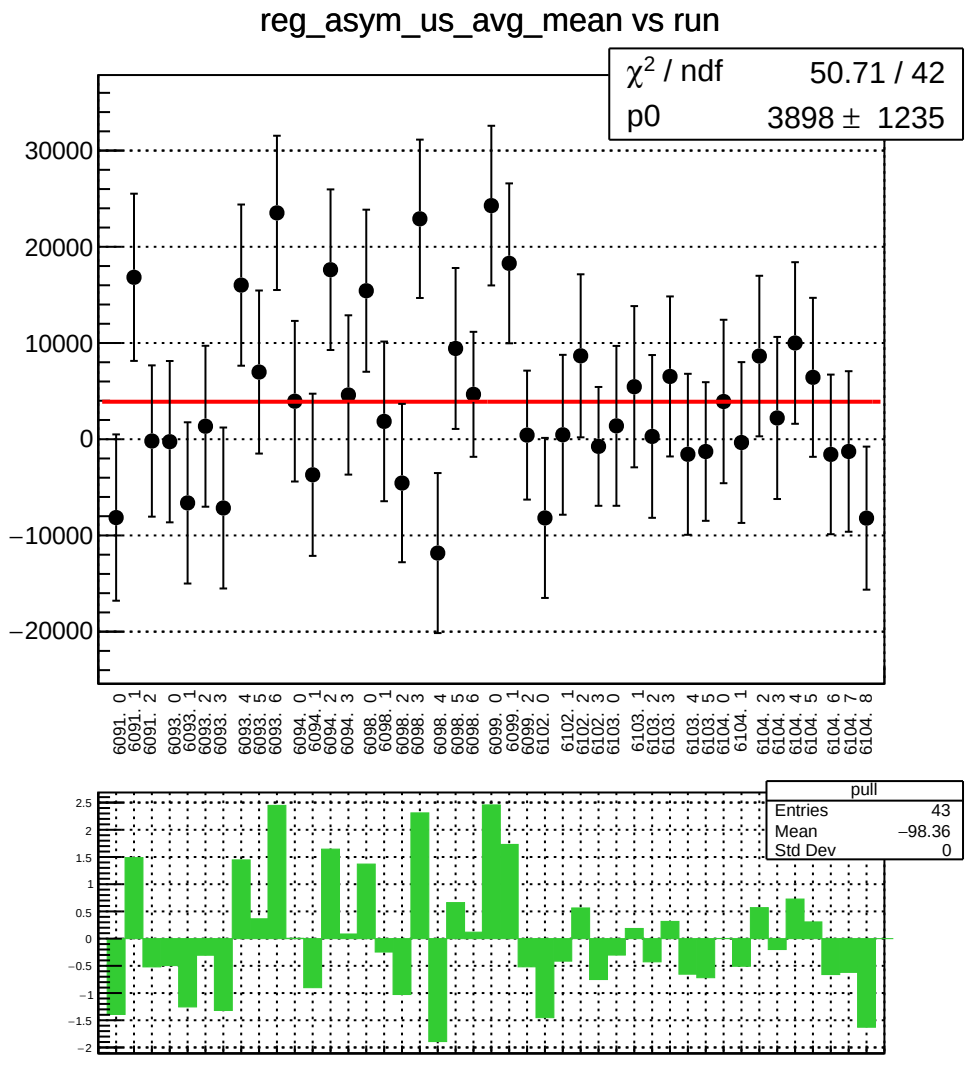
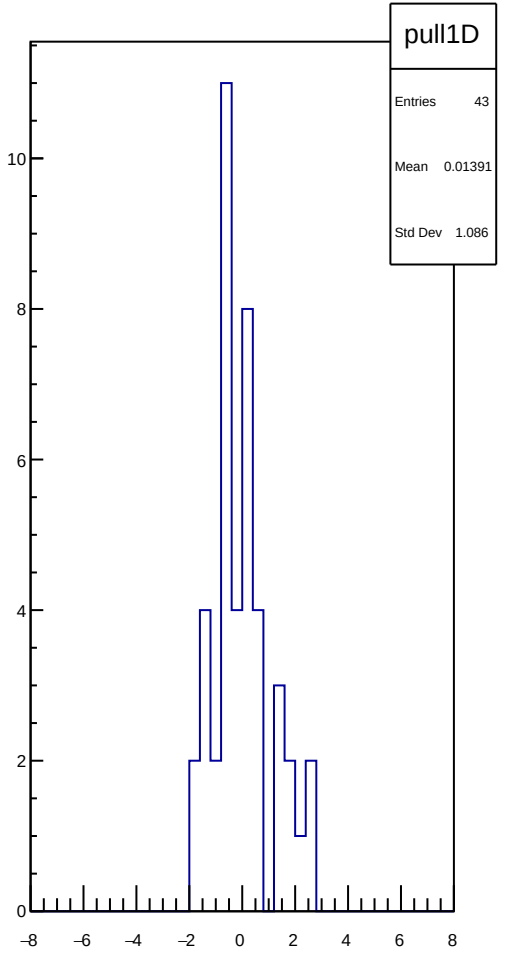
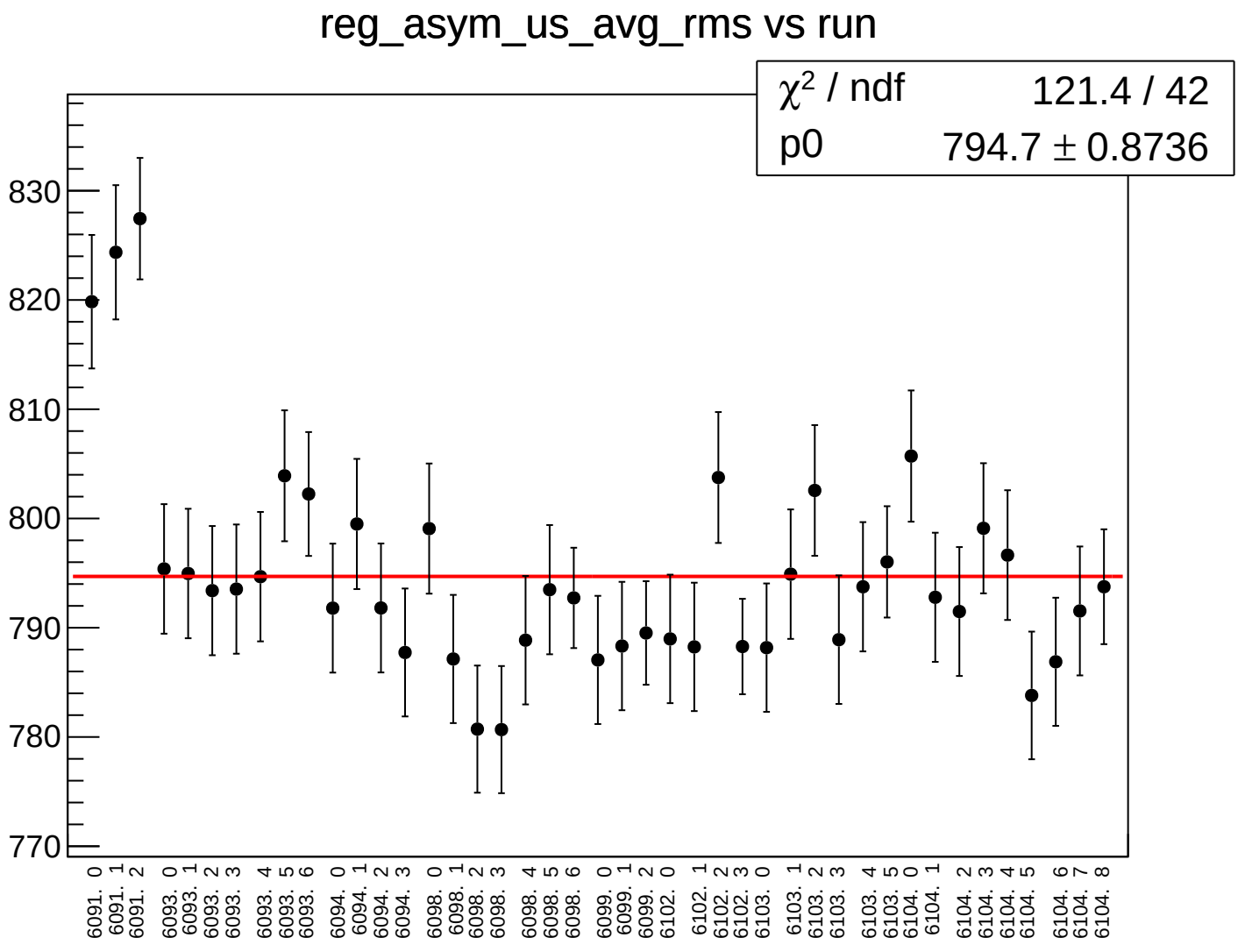
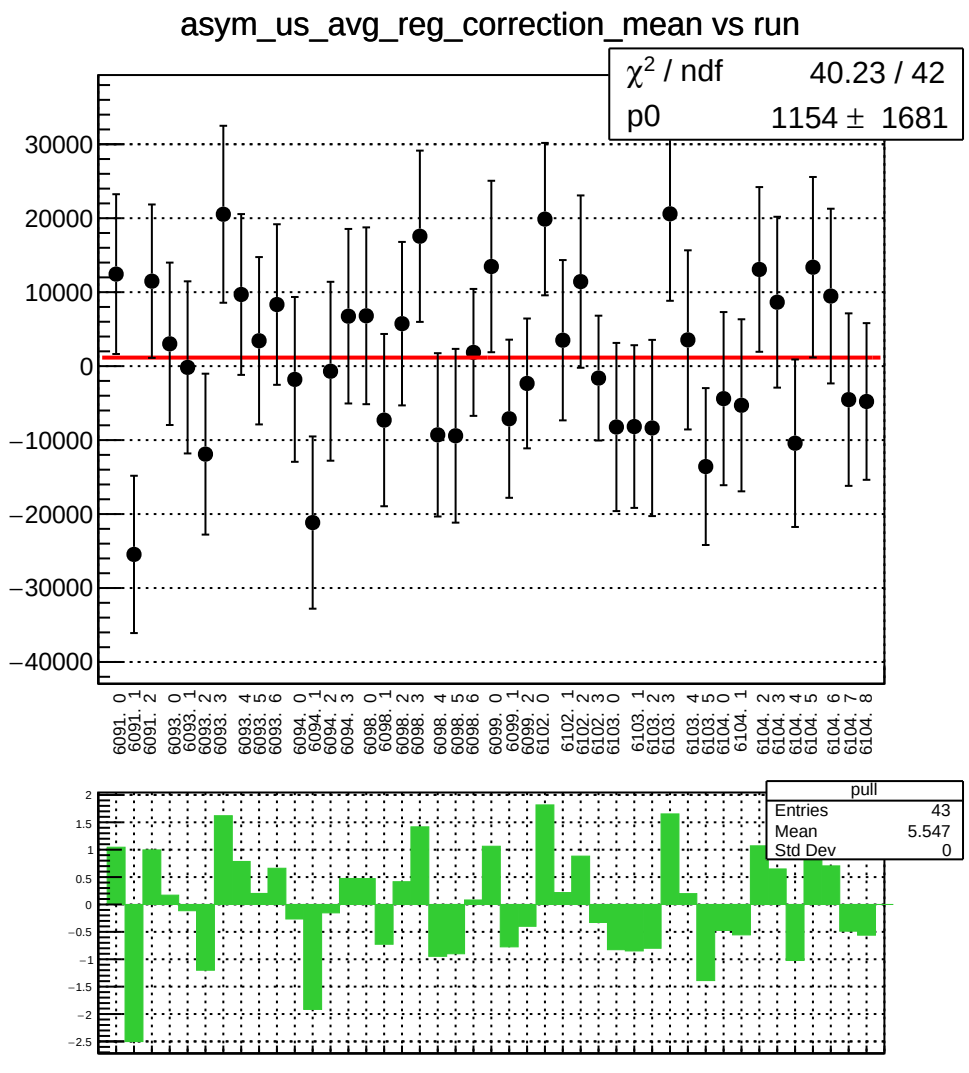
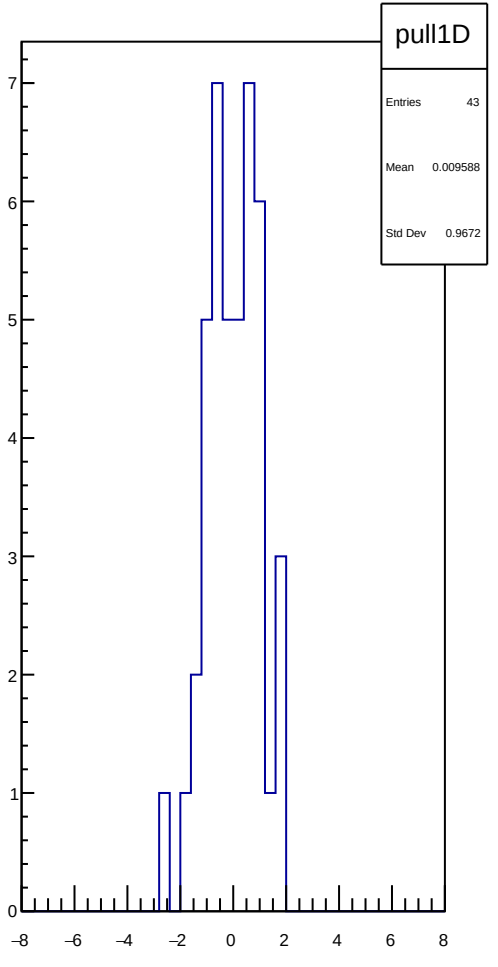

reg_asym_us_avg_mean vs run
χ² / ndf 50.71 / 42
p0 3898 ± 1235
30000
20000
10000
0
−10000
−20000
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean −98.36
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2


pull1D
Entries 43
Mean 0.01391
Std Dev 1.086
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


reg_asym_us_avg_rms vs run
χ^2 / ndf 121.4 / 42
p0 794.7 ± 0.8736
830
820
810
800
790
780
770
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8


asym_us_avg_reg_correction_mean vs run
χ² / ndf 40.23 / 42
p0 1154 ± 1681
30000
20000
10000
0
−10000
−20000
−30000
−40000
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 5.547
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5


pull1D
Entries 43
Mean 0.009588
Std Dev 0.9672
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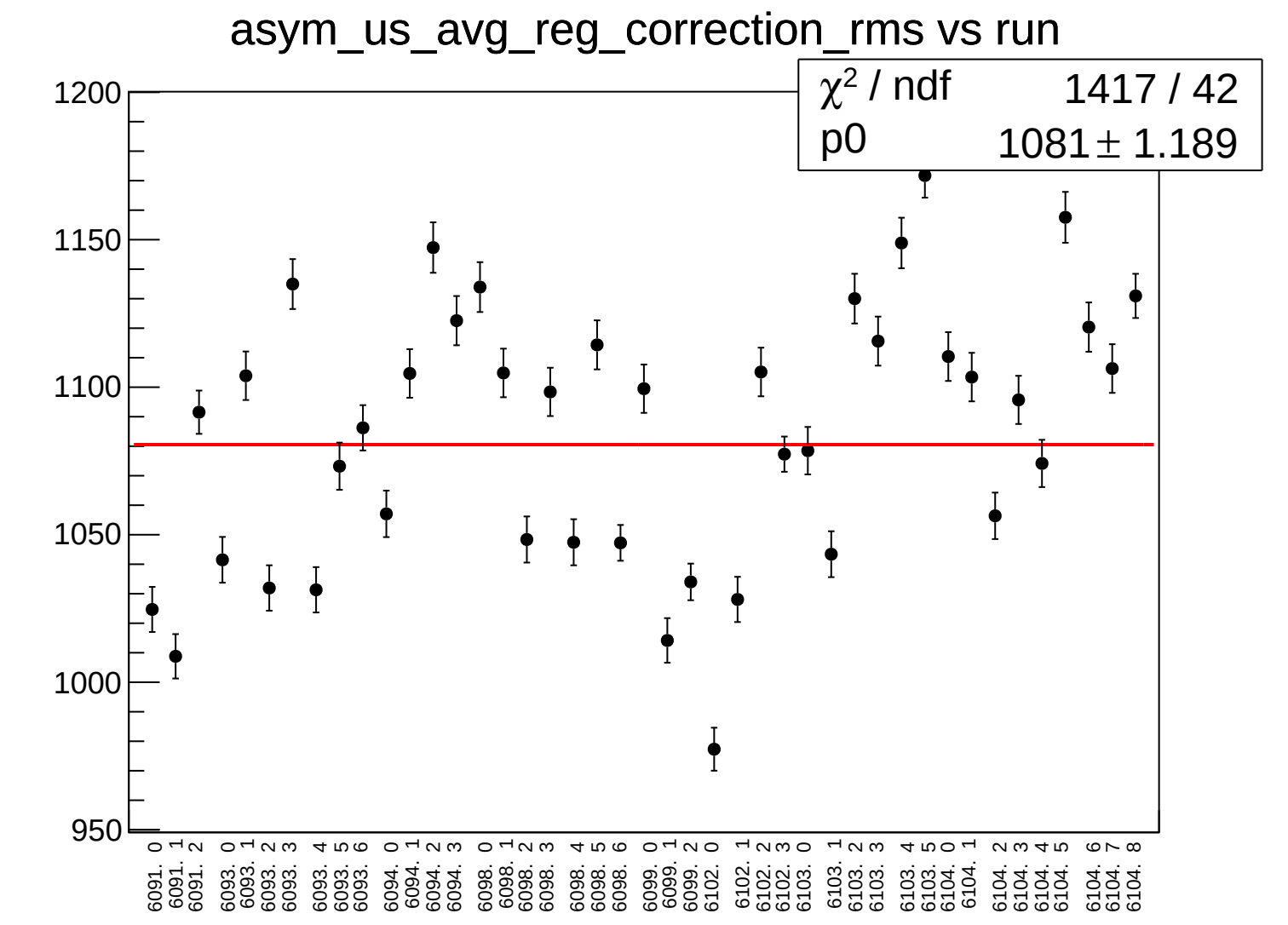
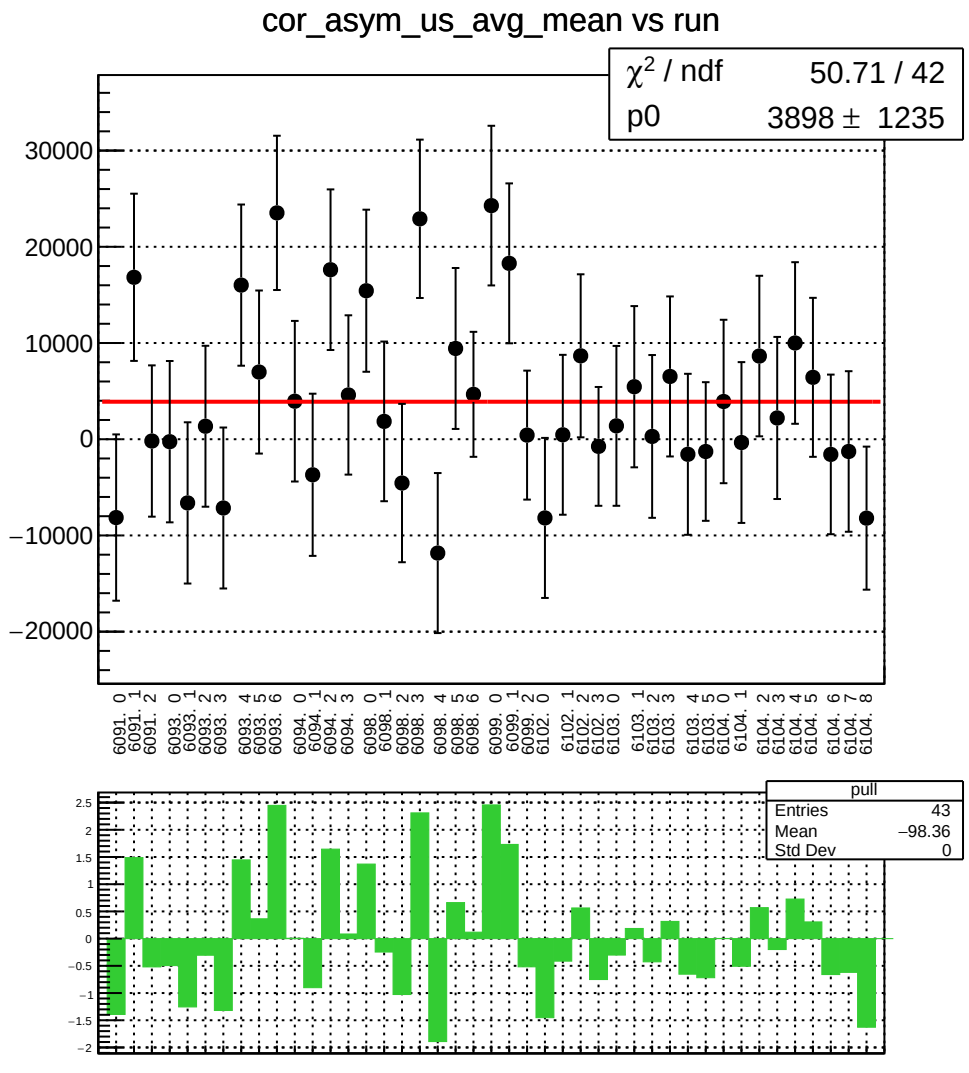
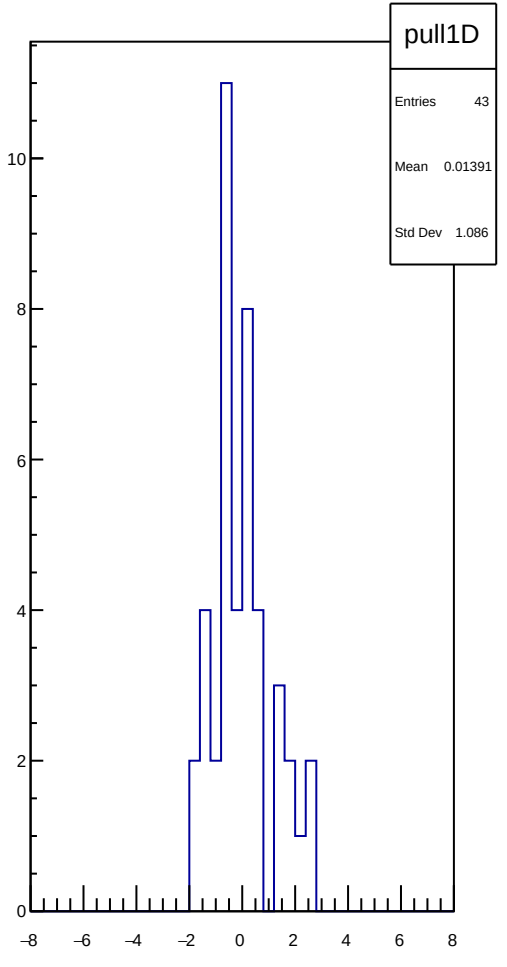
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


asym_us_avg_reg_correction_rms vs run
χ² / ndf 1417 / 42
p0 1081 ± 1.189
1200
1150
1100
1050
1000
950
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8


cor_asym_us_avg_mean vs run
χ² / ndf 50.71 / 42
p0 3898 ± 1235
30000
20000
10000
0
−10000
−20000
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean −98.36
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2


pull1D
Entries 43
Mean 0.01391
Std Dev 1.086
10
8
6
4
2
0
−8
−6
−4
−2
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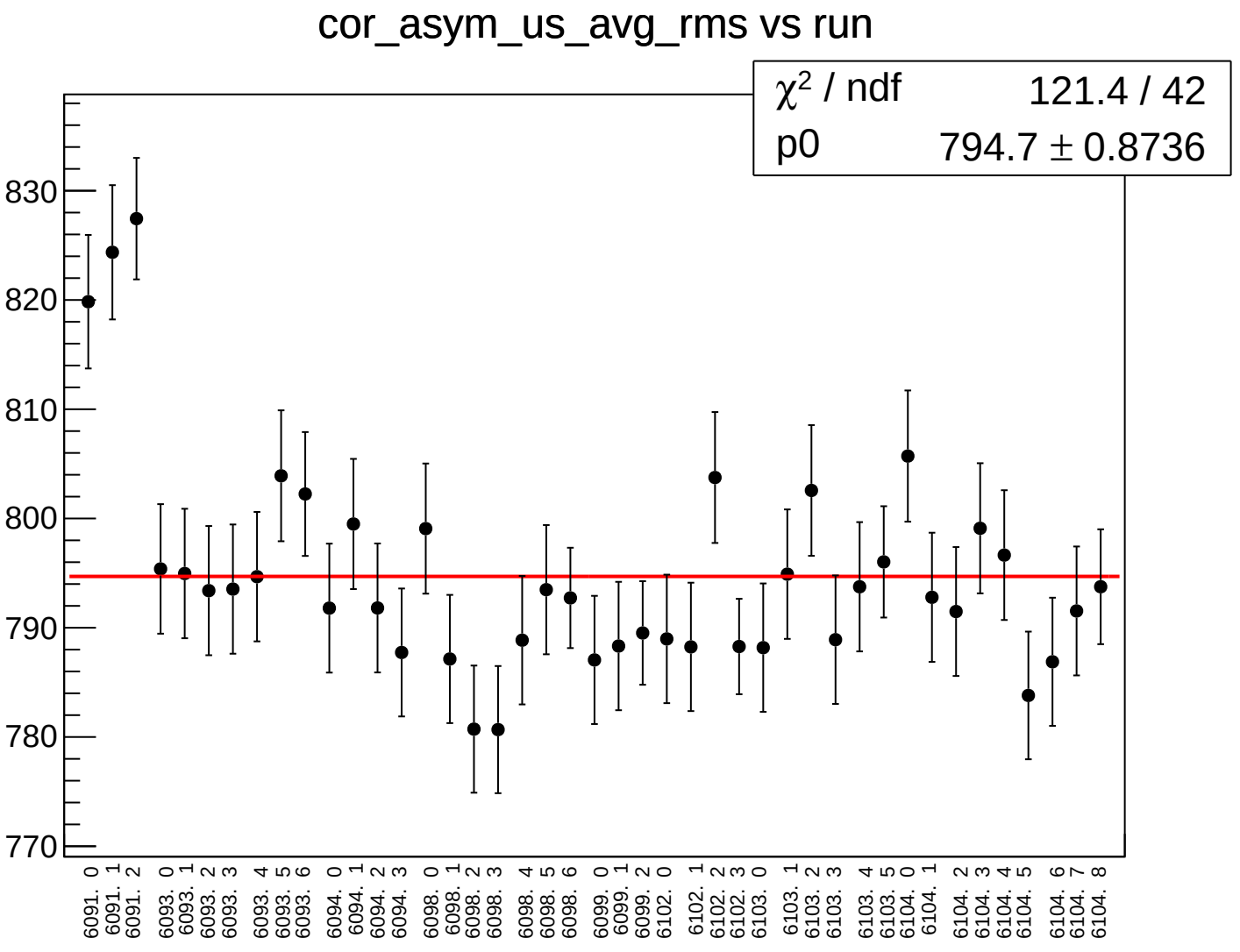
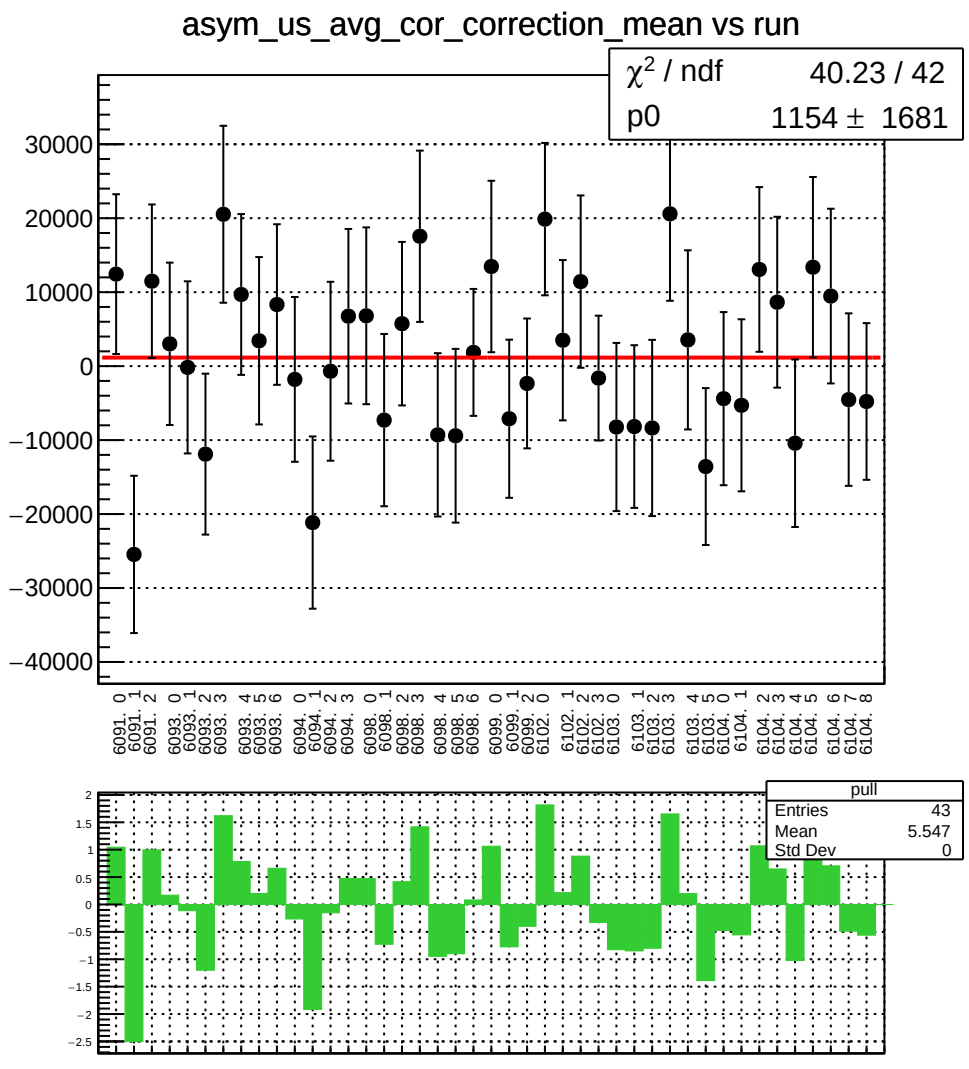
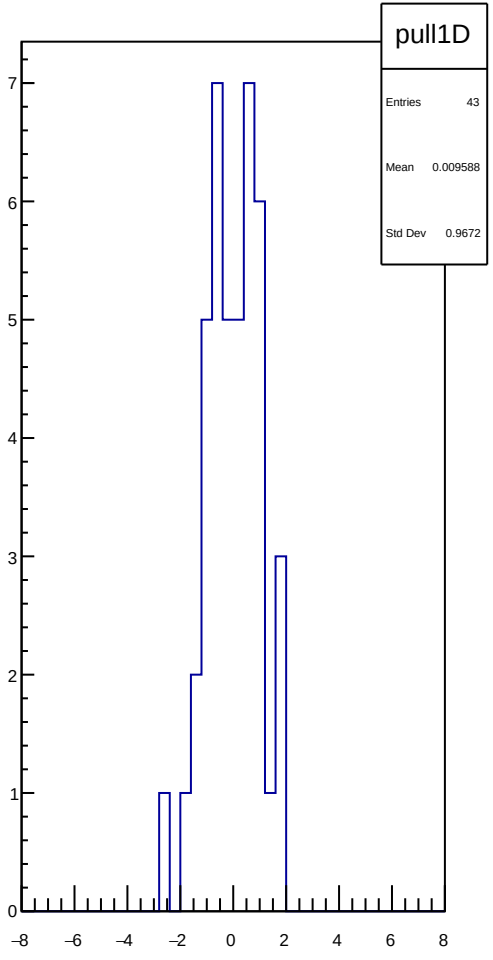
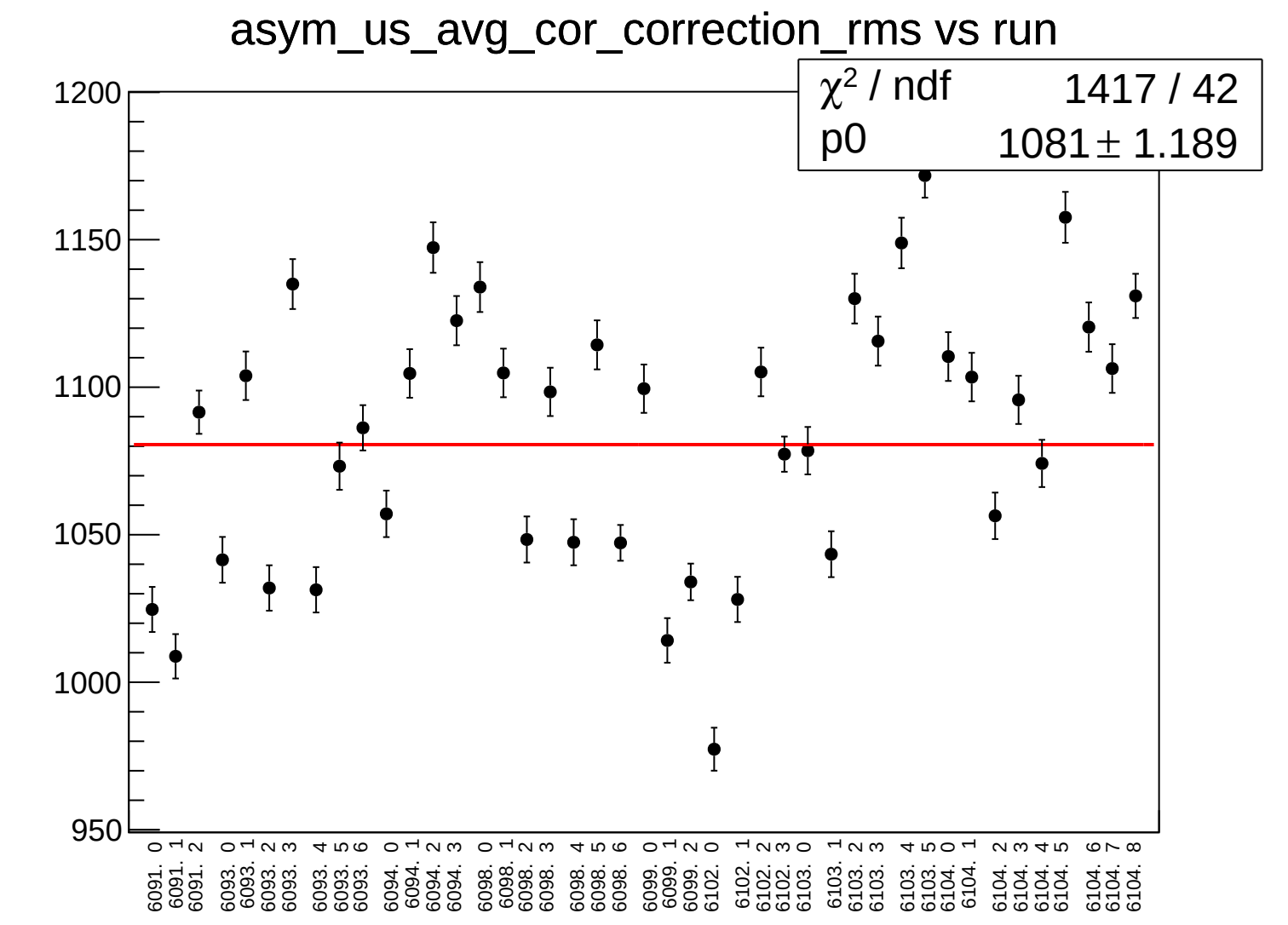
2
4
6
8


cor_asym_us_avg_rms vs run
χ^2 / ndf 121.4 / 42
p0 794.7 ± 0.8736
830
820
810
800
790
780
770
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8


asym_us_avg_cor_correction_mean vs run
χ² / ndf 40.23 / 42
p0 1154 ± 1681
30000
20000
10000
0
−10000
−20000
−30000
−40000
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 5.547
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5


pull1D
Entries 43
Mean 0.009588
Std Dev 0.9672
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


asym_us_avg_cor_correction_rms vs run
χ² / ndf 1417 / 42
p0 1081 ± 1.189
1200
1150
1100
1050
1000
950
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
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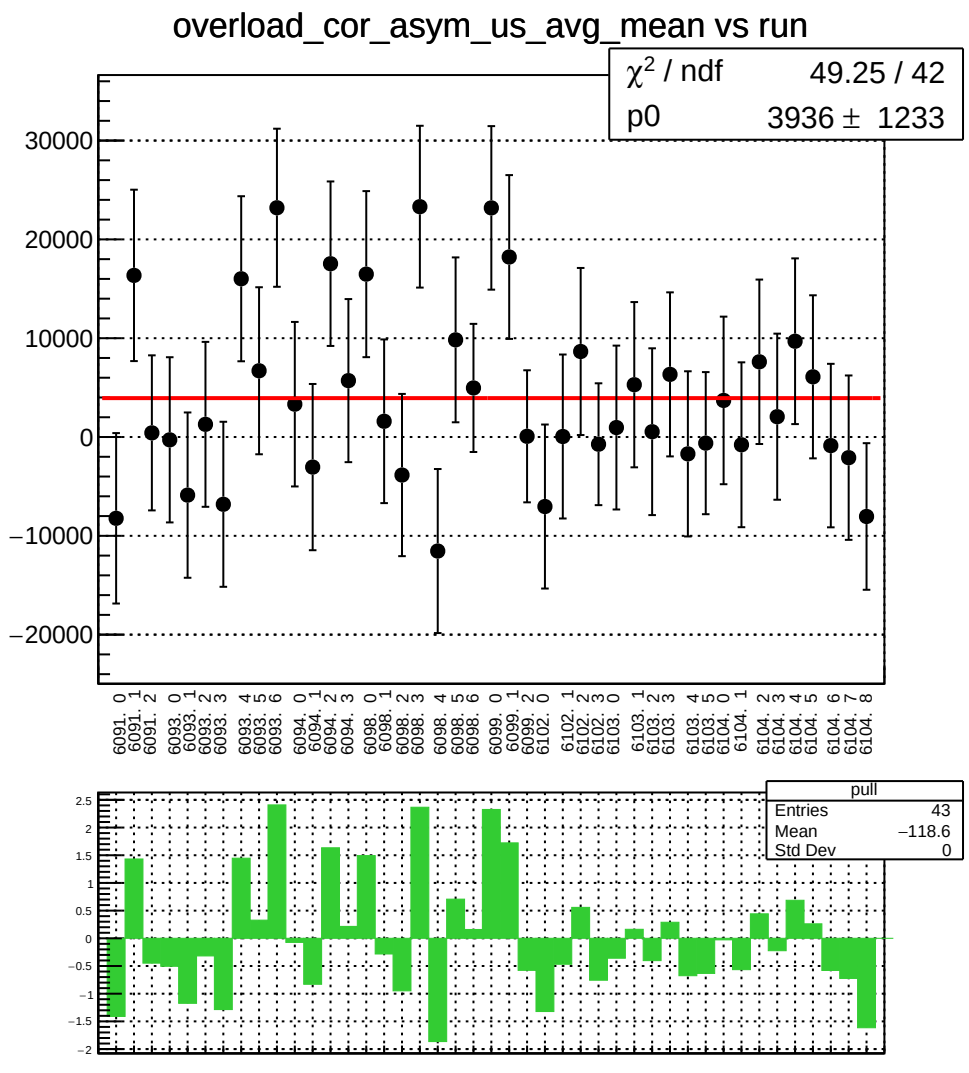
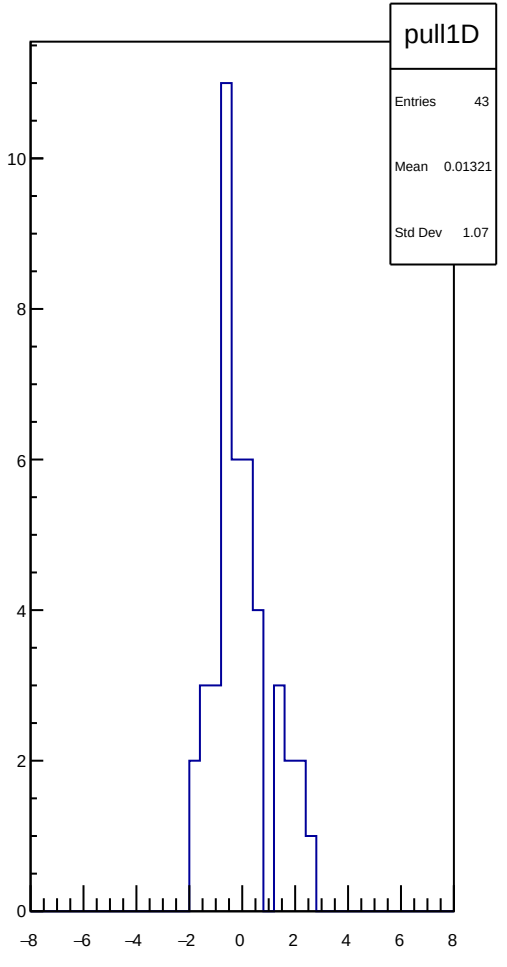
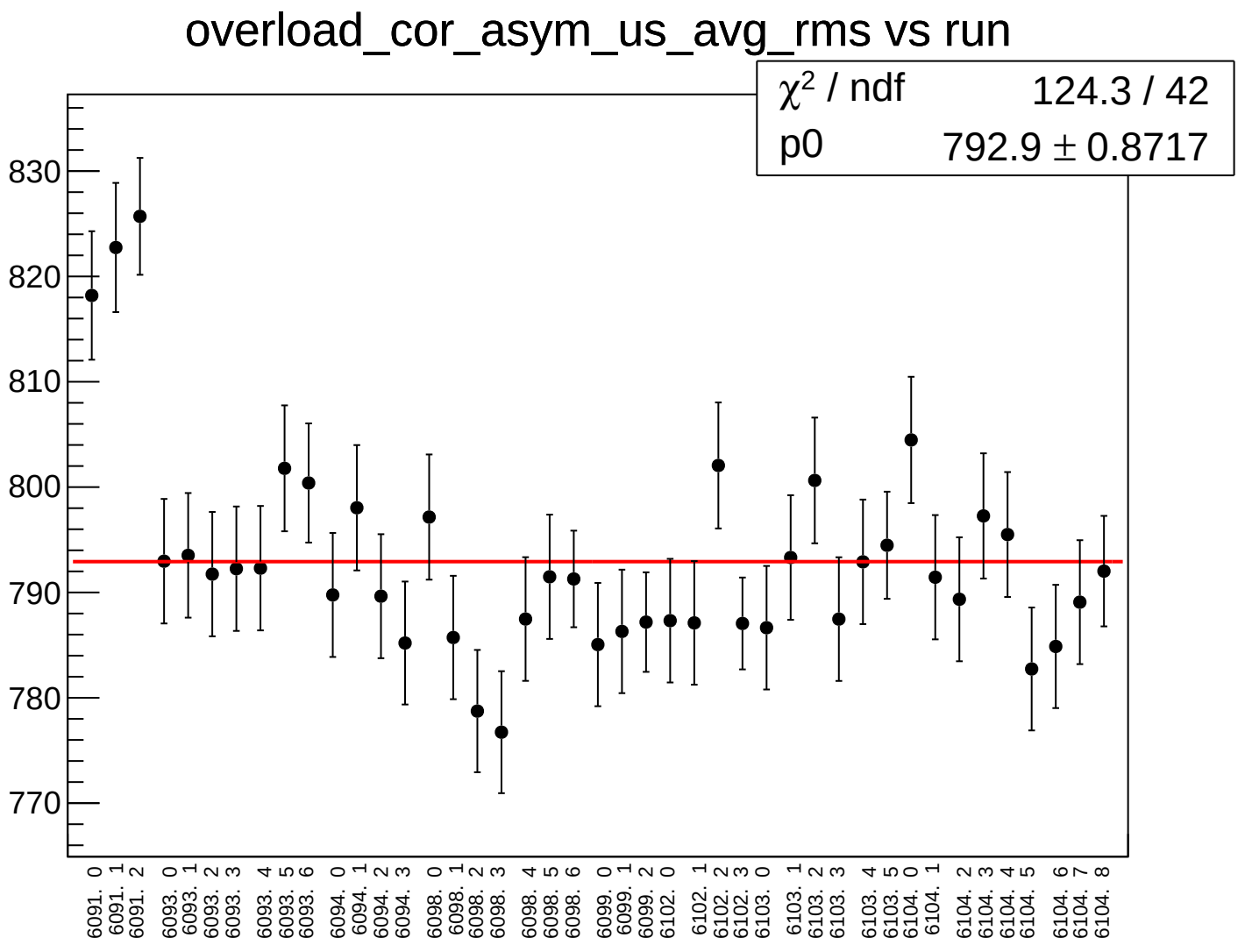
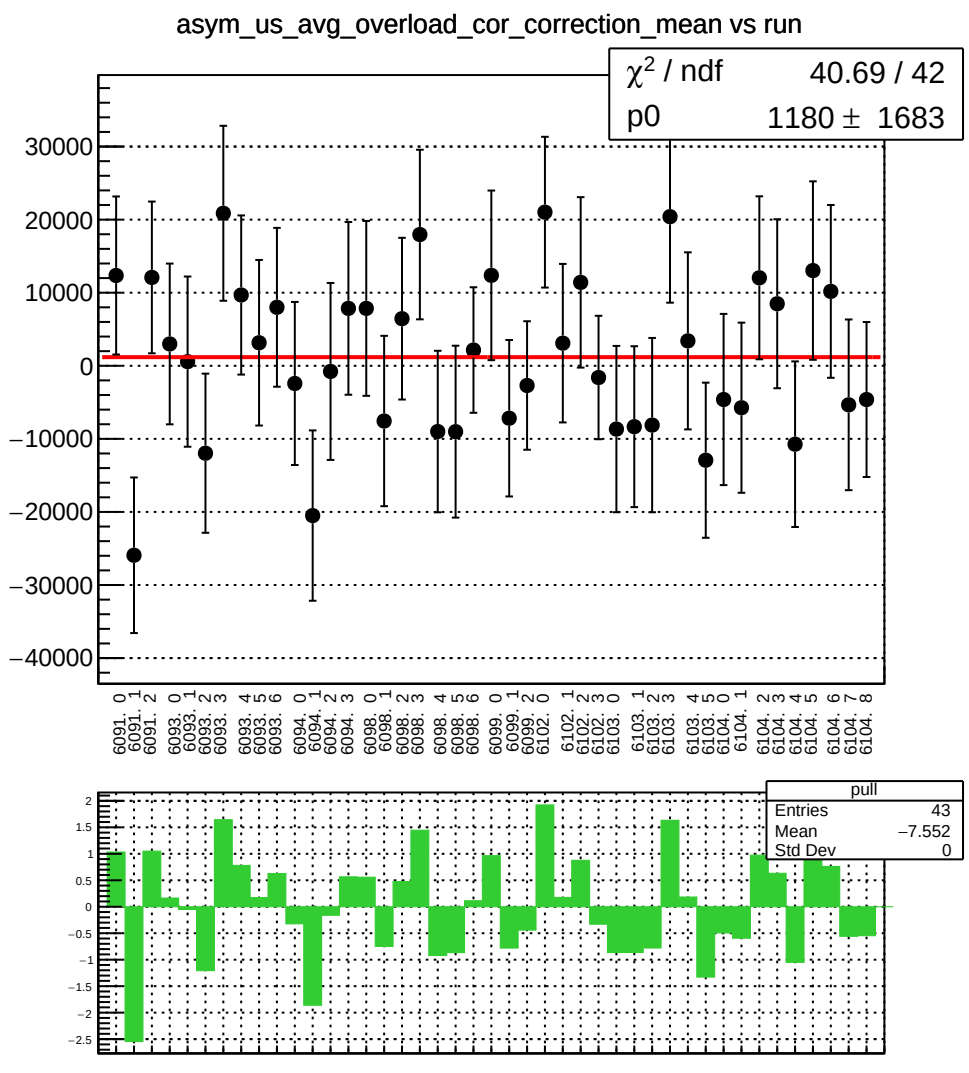
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8


overload_cor_asym_us_avg_mean vs run
χ² / ndf 49.25 / 42
p0 3936 ± 1233
30000
20000
10000
0
−10000
−20000
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean −118.6
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2


pull1D
Entries 43
Mean 0.01321
Std Dev 1.07
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


overload_cor_asym_us_avg_rms vs run
χ^2 / ndf 124.3 / 42
p0 792.9 ± 0.8717
830
820
810
800
790
780
770
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8


asym_us_avg_overload_cor_correction_mean vs run
χ² / ndf 40.69 / 42
p0 1180 ± 1683
30000
20000
10000
0
−10000
−20000
−30000
−40000
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
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6098. 6
6099. 0
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6099. 2
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6102. 1
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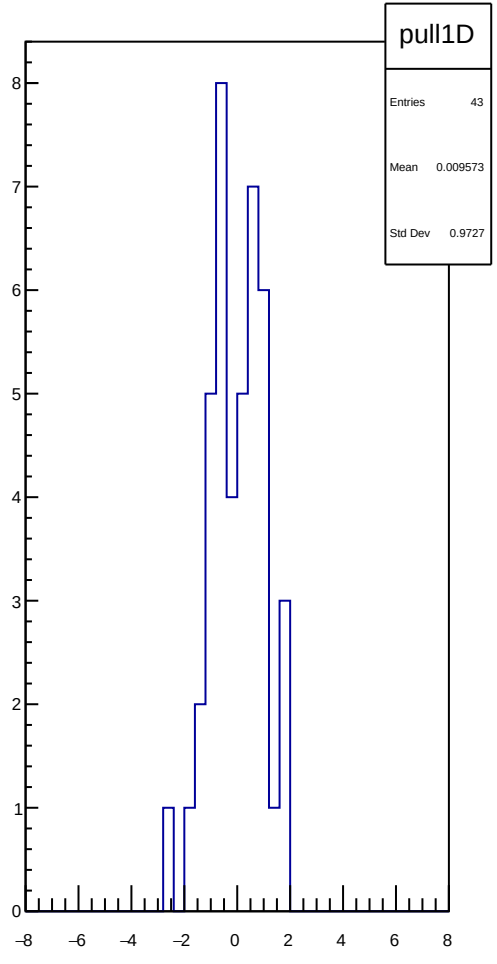
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean −7.552
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5


pull1D
Entries 43
Mean 0.009573
Std Dev 0.9727
8
7
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5
4
3
2
1
0
−8
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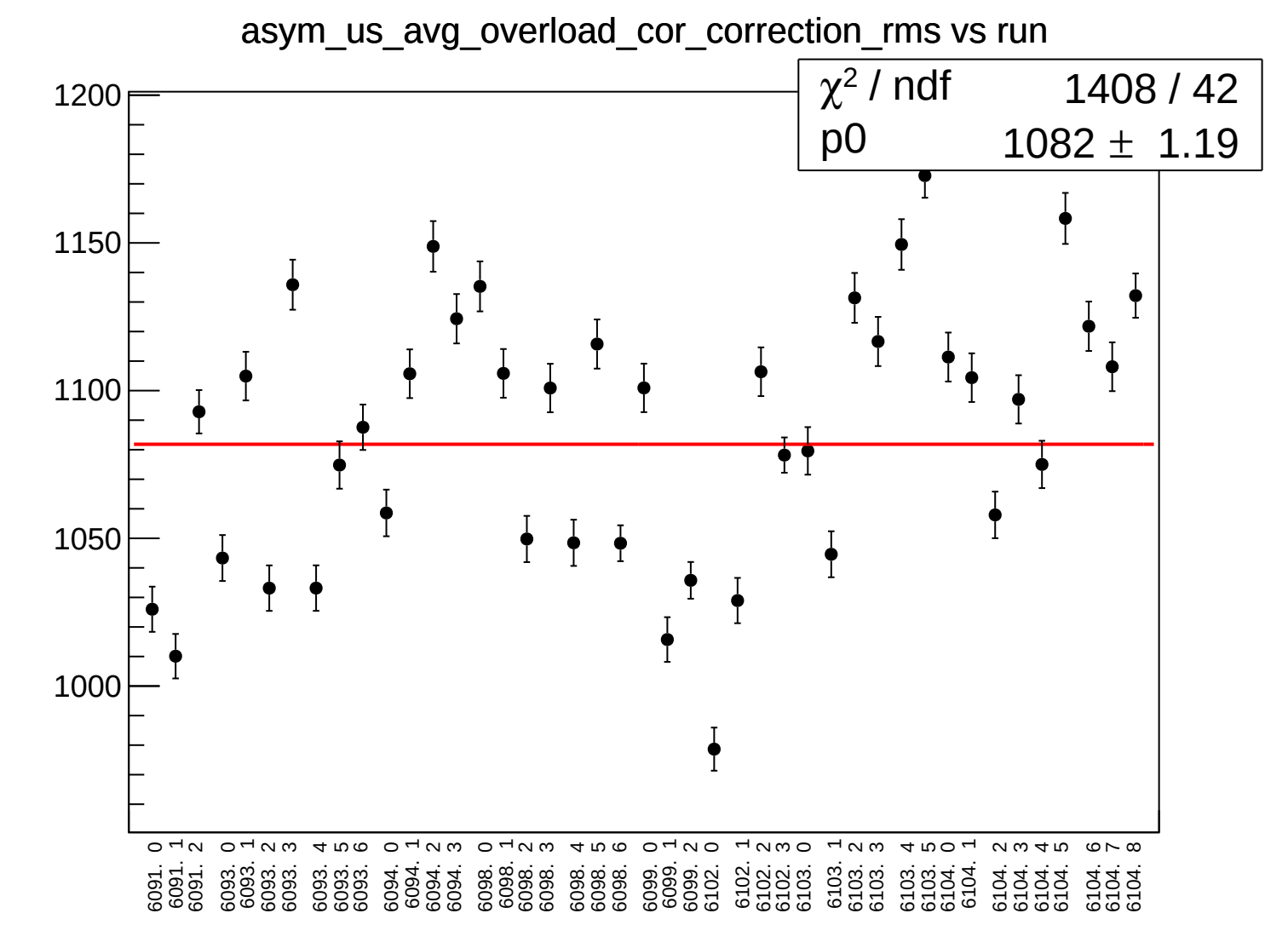
−4
−2
0
2
4
6
8


asym_us_avg_overload_cor_correction_rms vs run
χ² / ndf 1408 / 42
p0 1082 ± 1.19
1200
1150
1100
1050
1000
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
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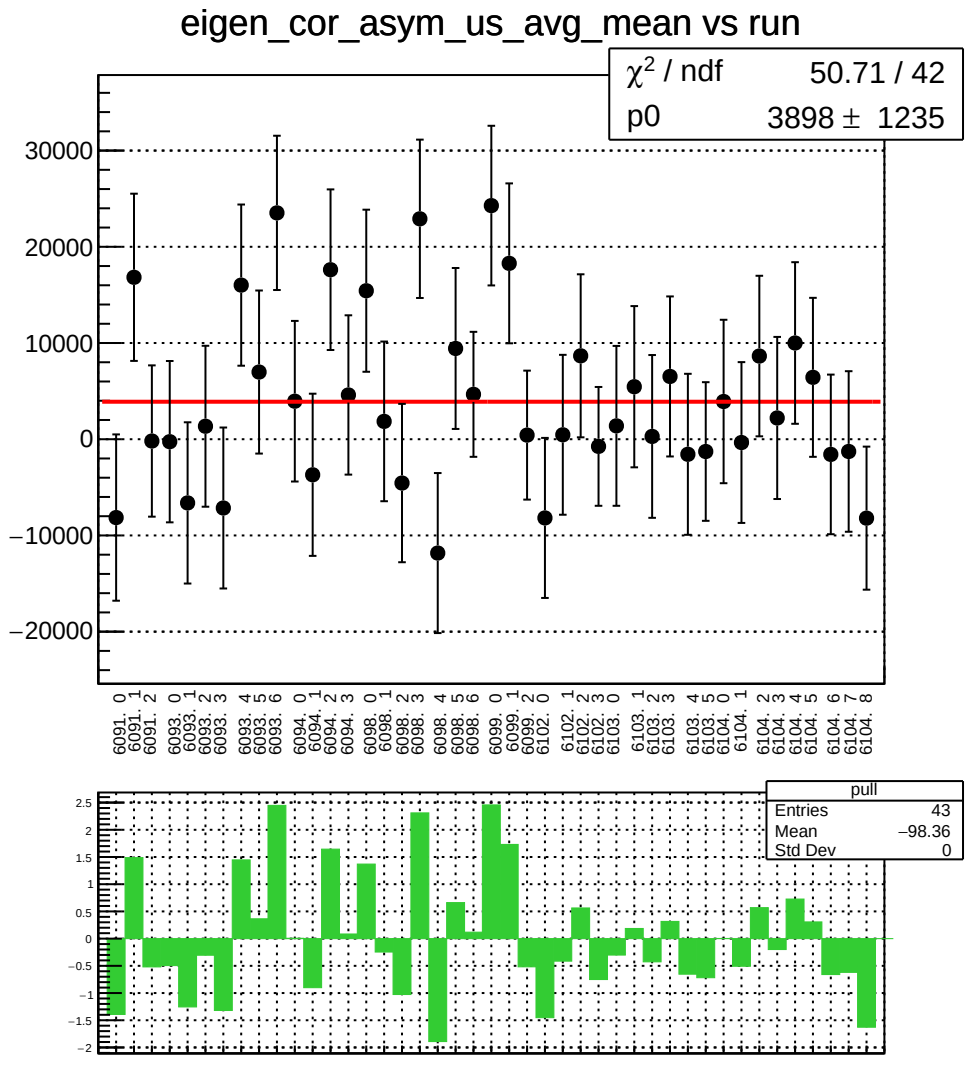
eigen_cor_asym_us_avg_mean vs run
χ² / ndf 50.71 / 42
p0 3898 ± 1235
30000
20000
10000
0
−10000
−20000
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
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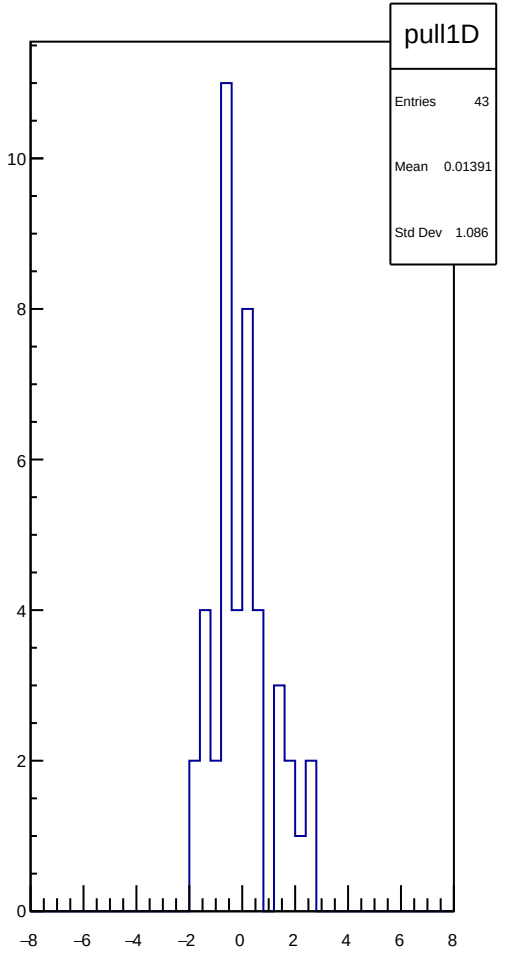
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean −98.36
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2


pull1D
Entries 43
Mean 0.01391
Std Dev 1.086
10
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6
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−8
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−4
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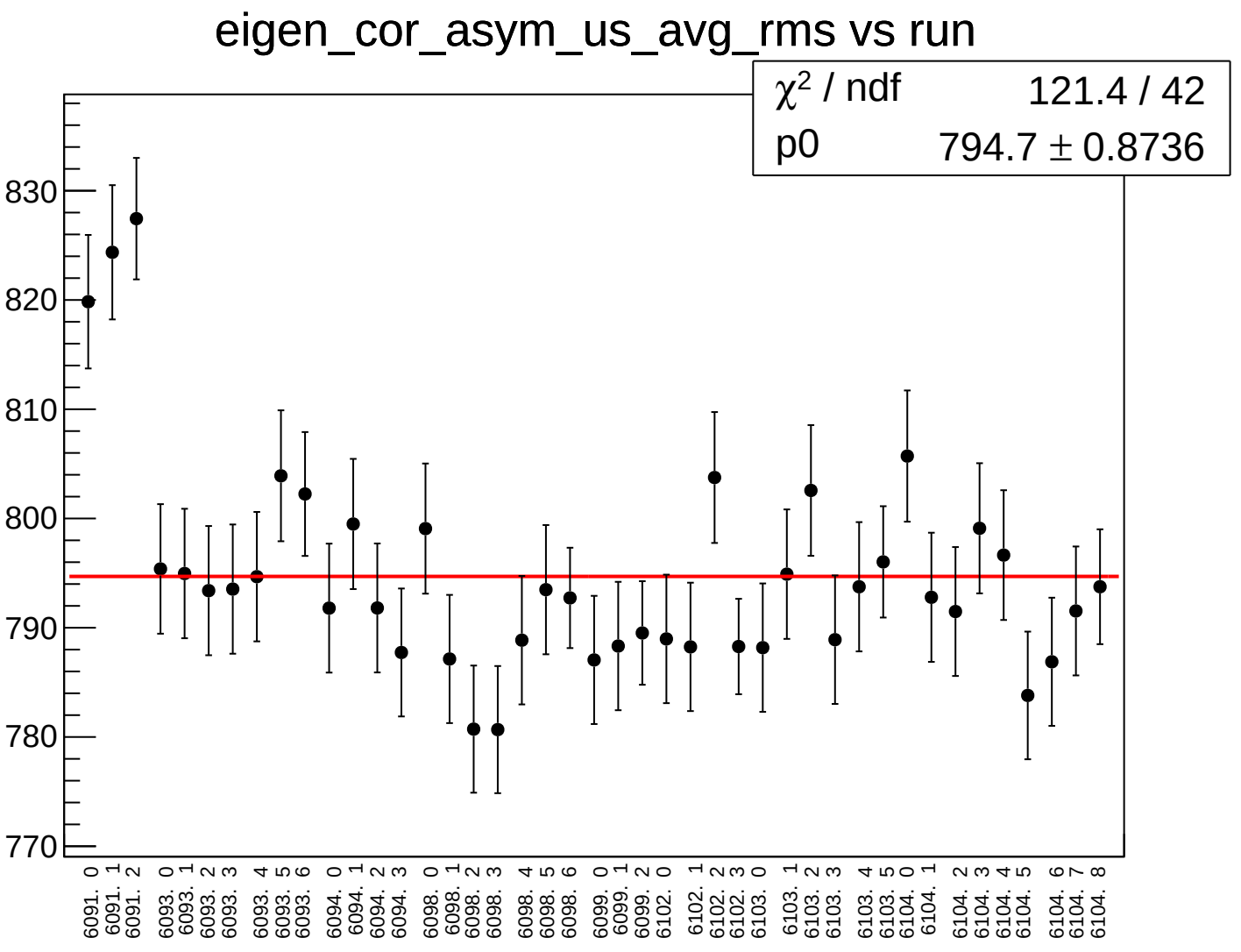
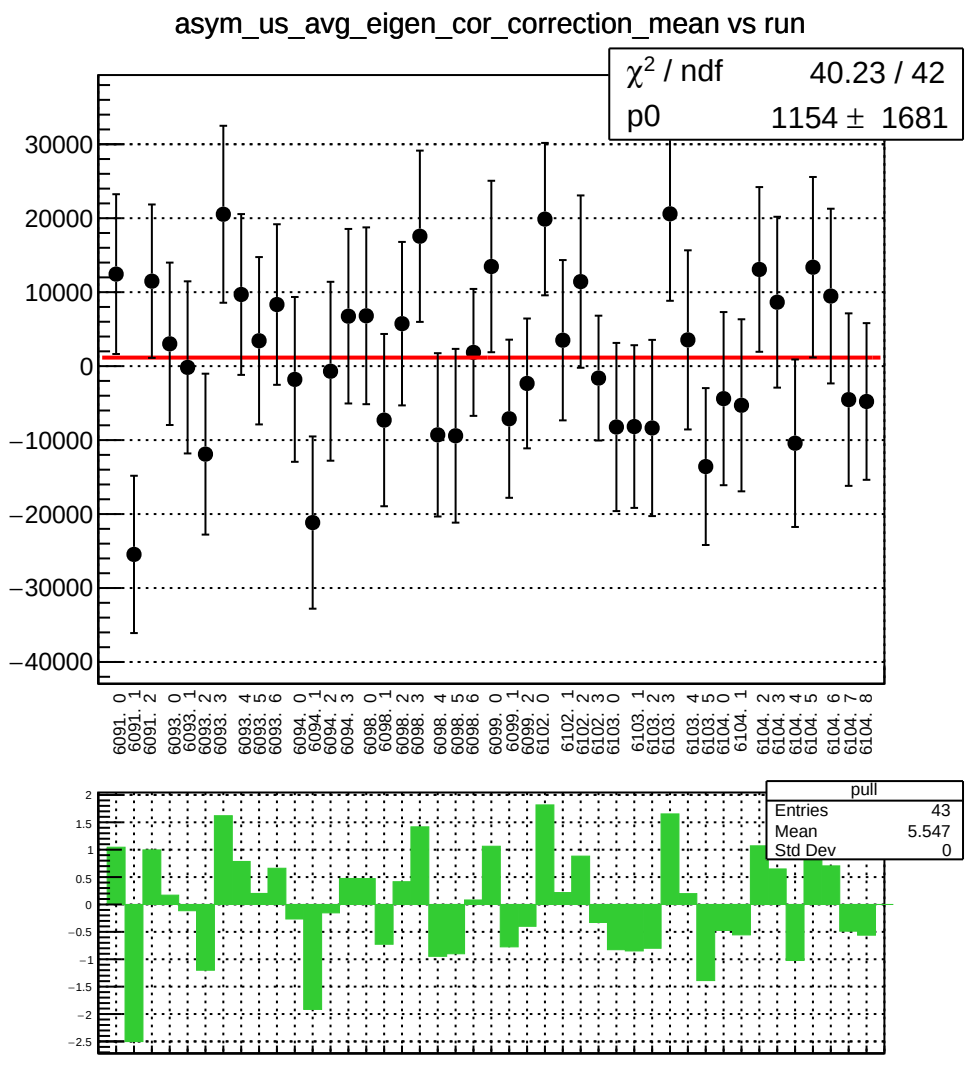
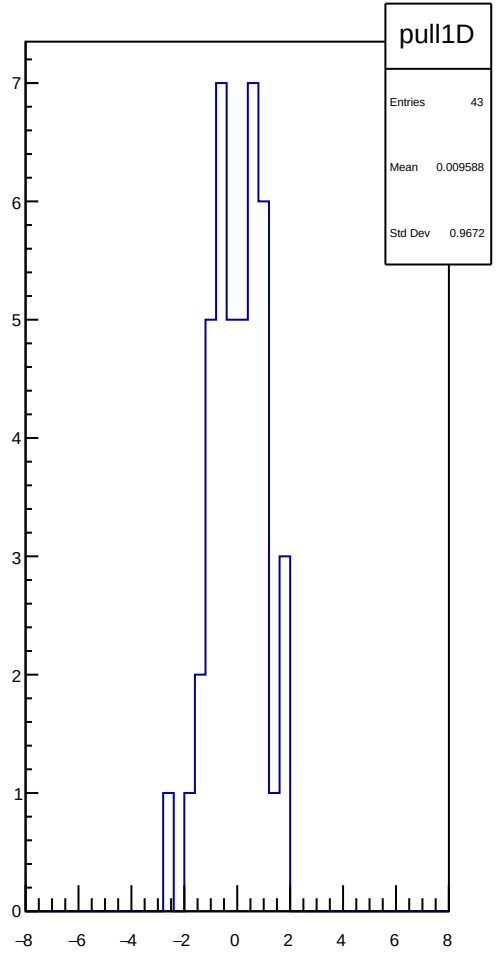
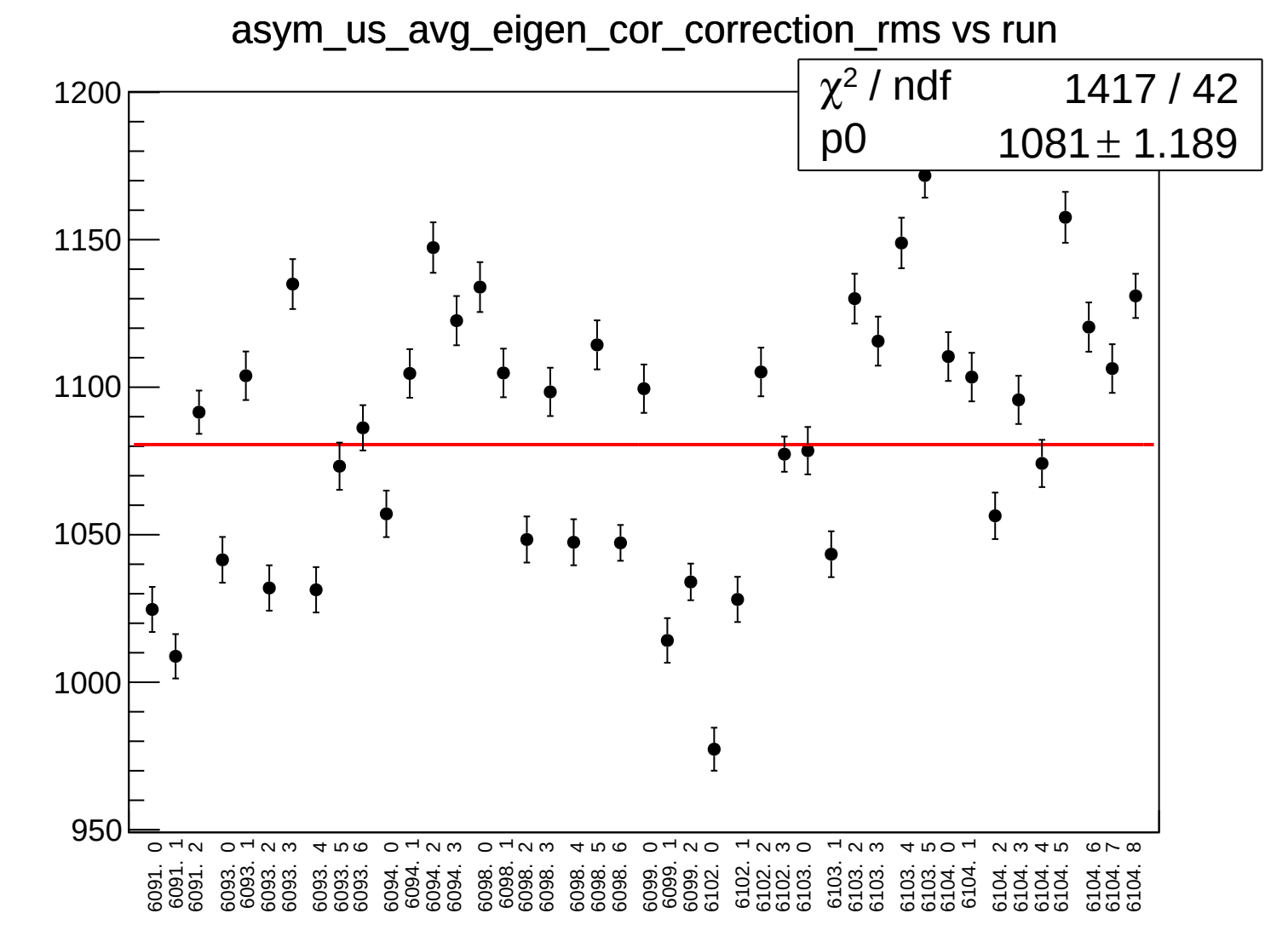
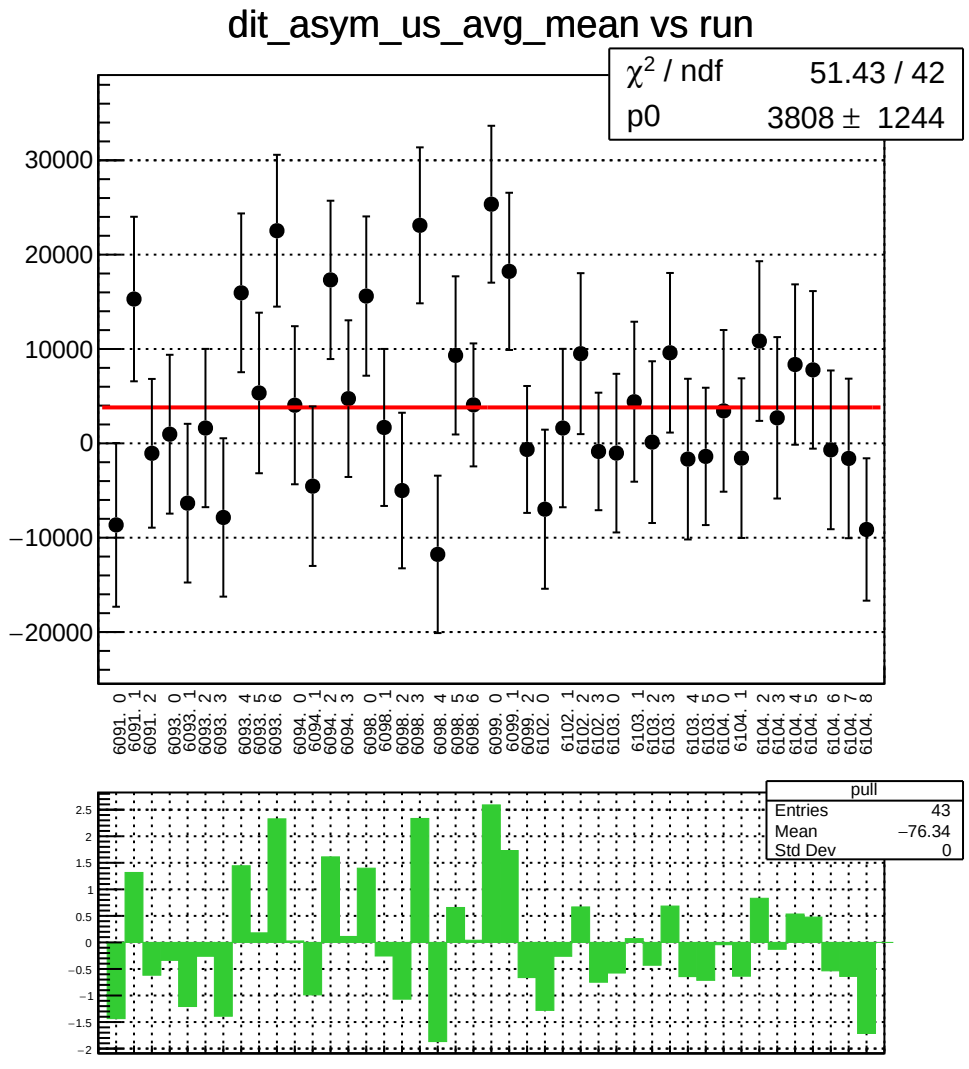
2
4
6
8

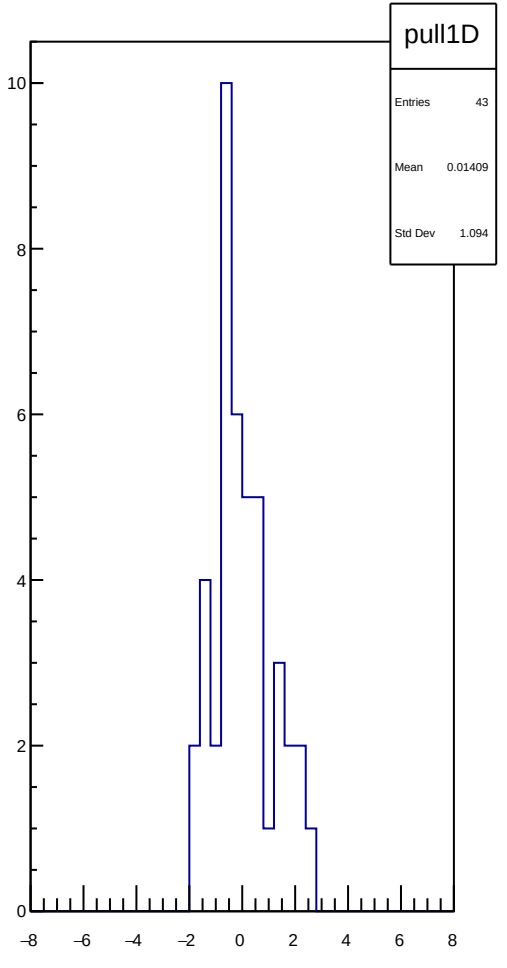

eigen_cor_asym_us_avg_rms vs run
χ² / ndf 121.4 / 42
p0 794.7 ± 0.8736
830
820
810
800
790
780
770
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

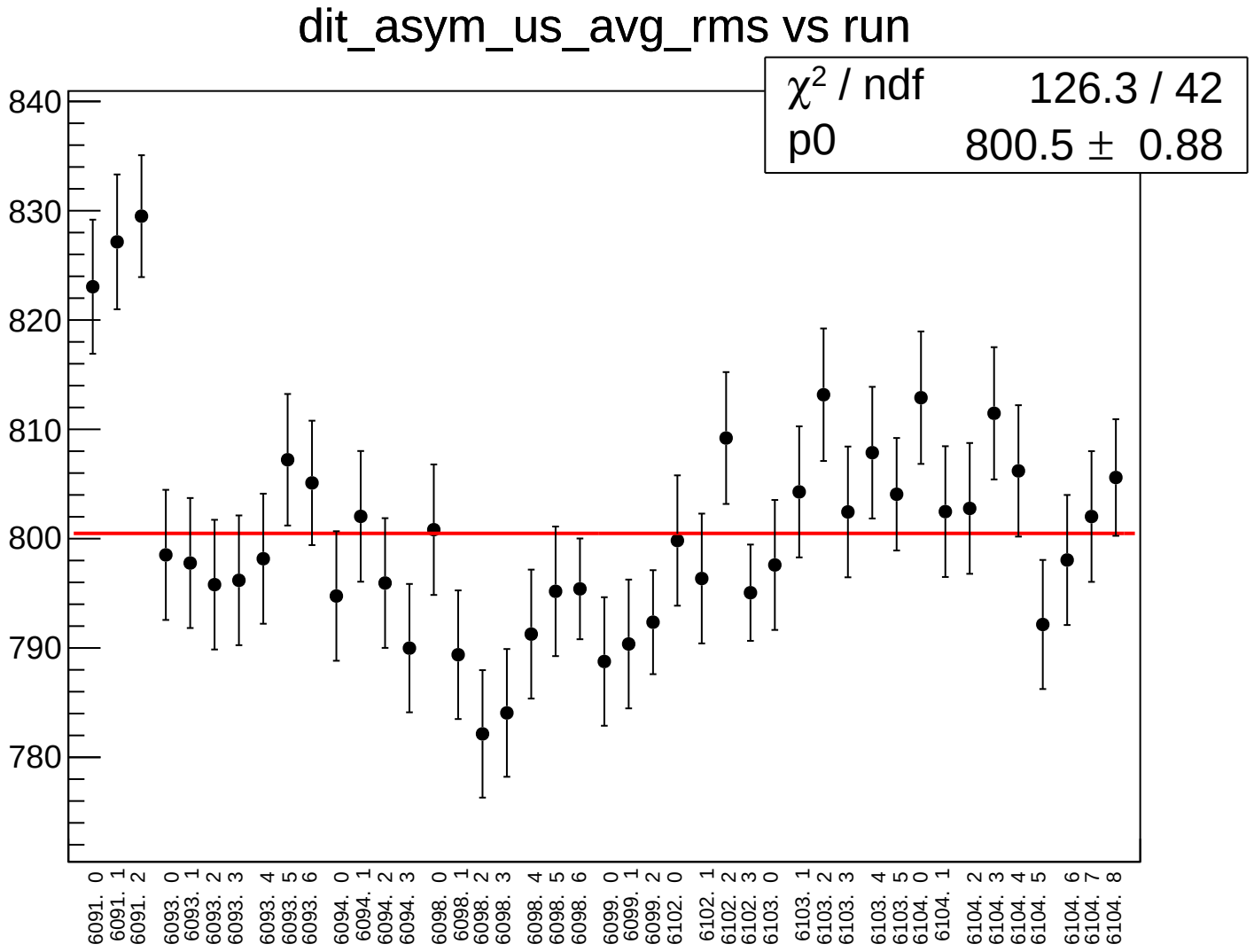

asym_us_avg_eigen_cor_correction_mean vs run
χ² / ndf 40.23 / 42
p0 1154 ± 1681
30000
20000
10000
0
−10000
−20000
−30000
−40000
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 5.547
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

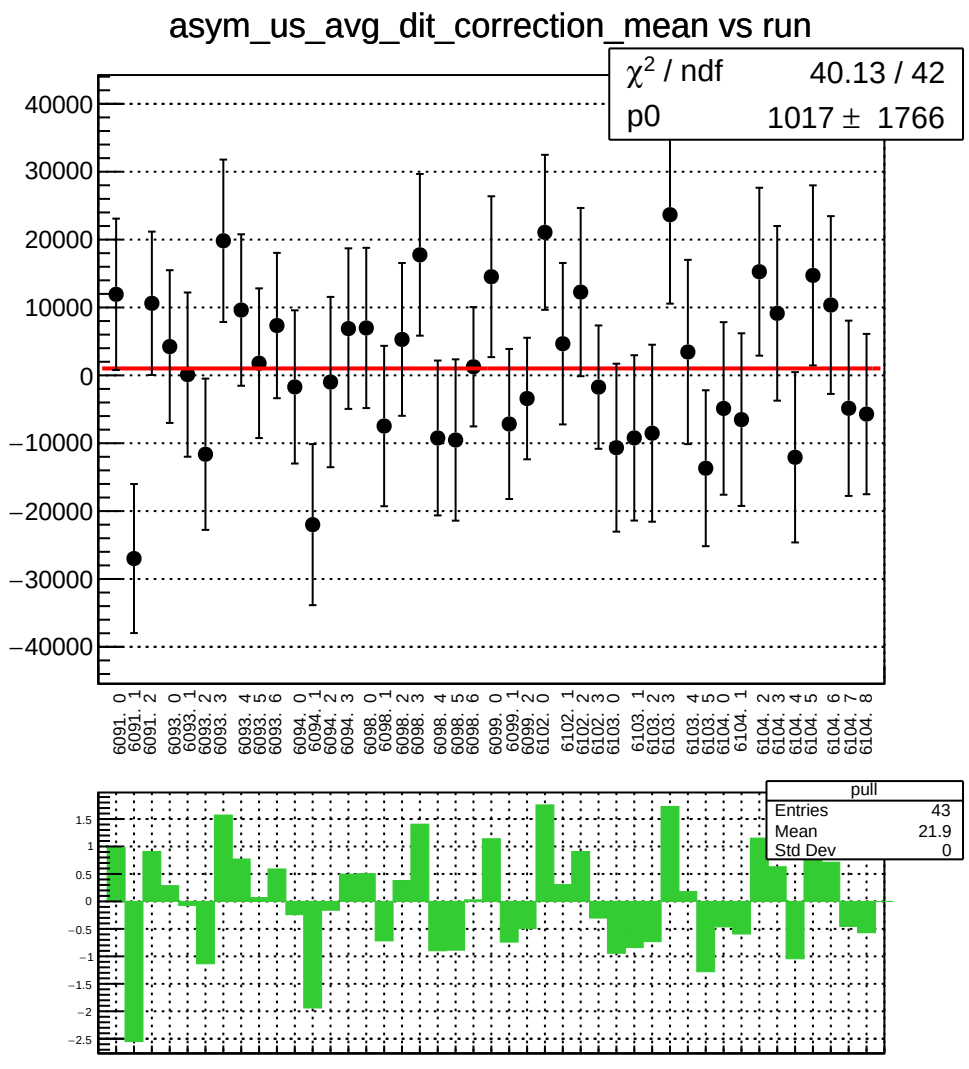

pull1D
Entries 43
Mean 0.009588
Std Dev 0.9672
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

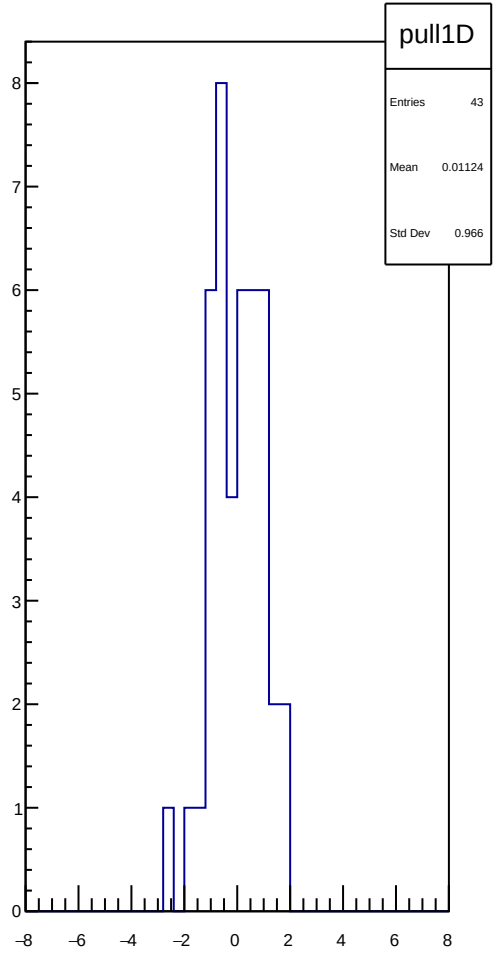

asym_us_avg_eigen_cor_correction_rms vs run
χ² / ndf 1417 / 42
p0 1081 ± 1.189
1200
1150
1100
1050
1000
950
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

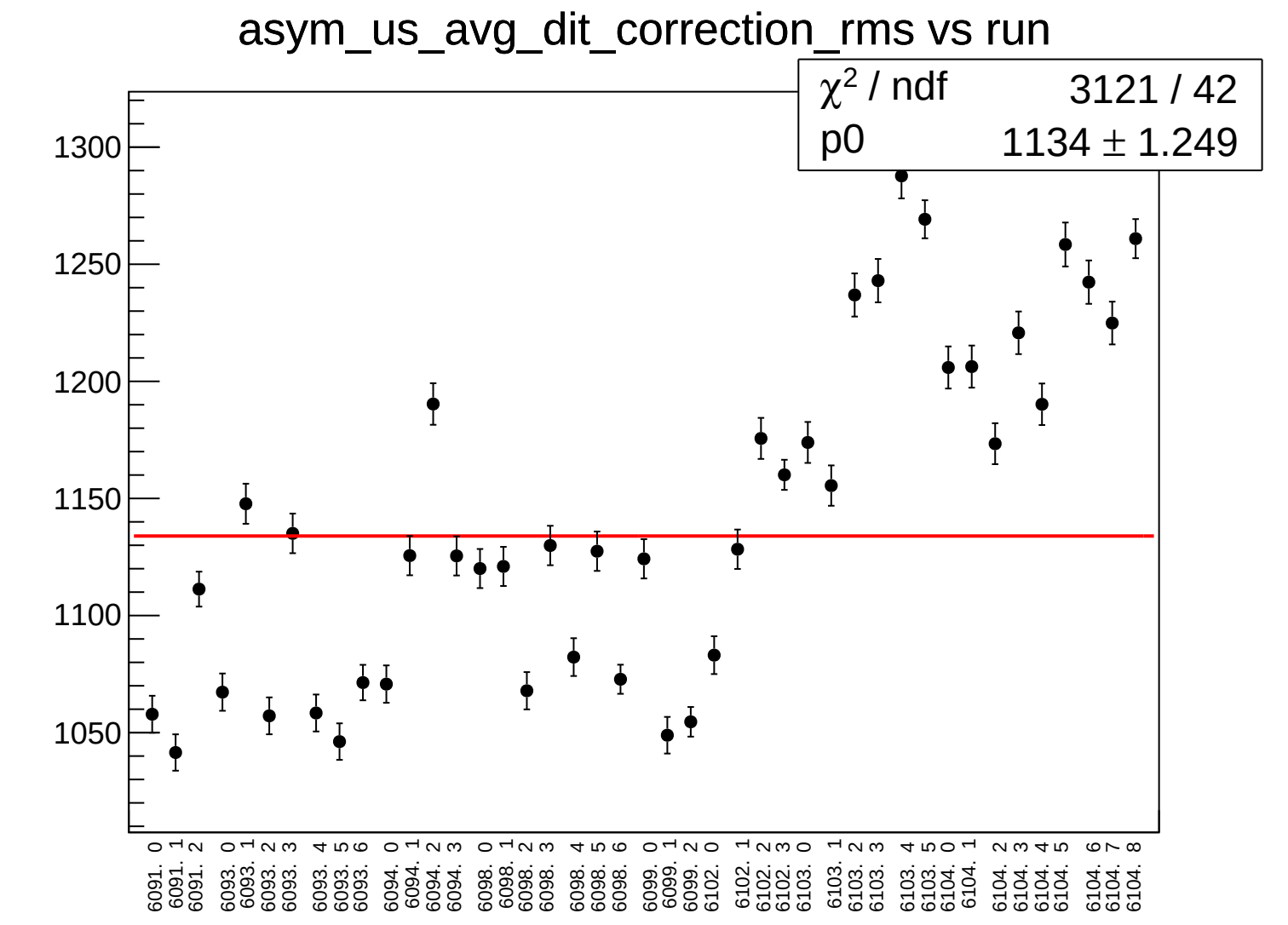

dit_asym_us_avg_mean vs run
χ² / ndf 51.43 / 42
p0 3808 ± 1244
30000
20000
10000
0
−10000
−20000
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean −76.34
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

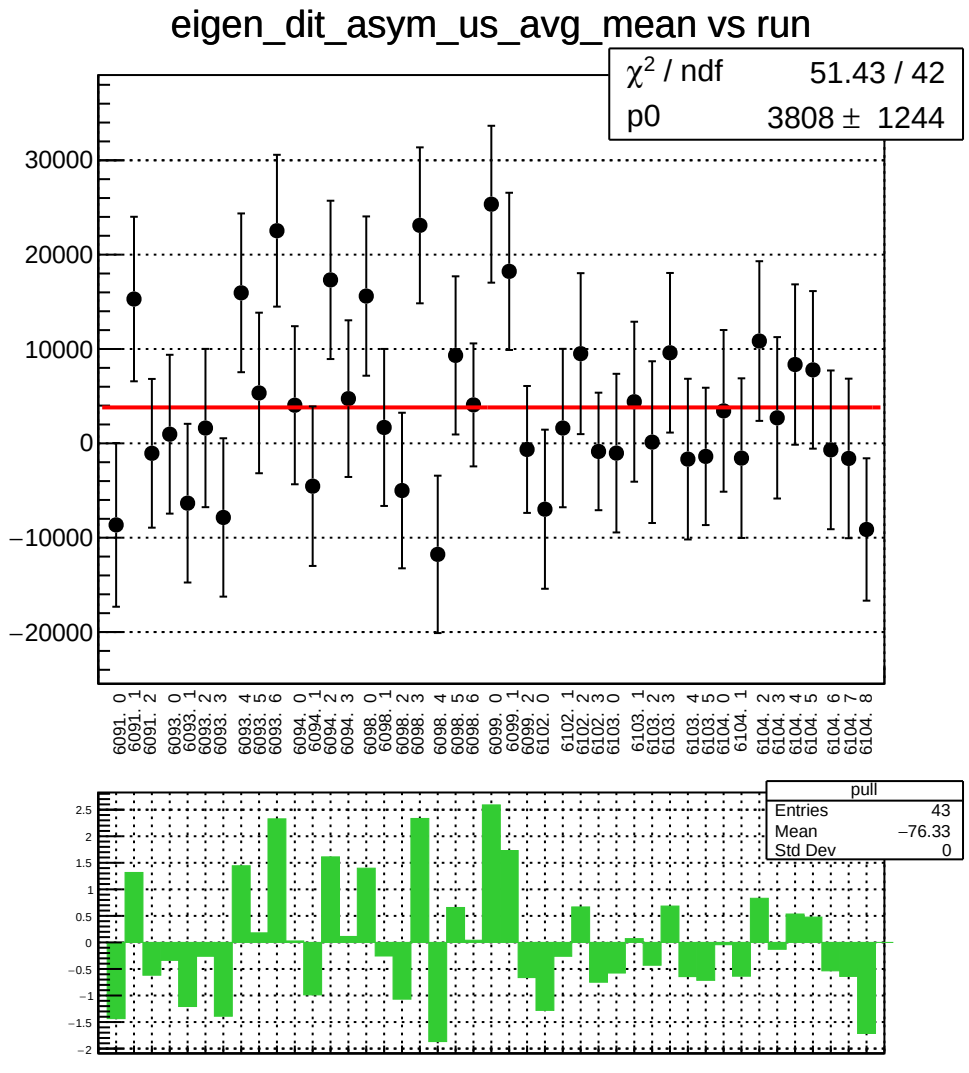

pull1D
Entries 43
Mean 0.01409
Std Dev 1.094
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

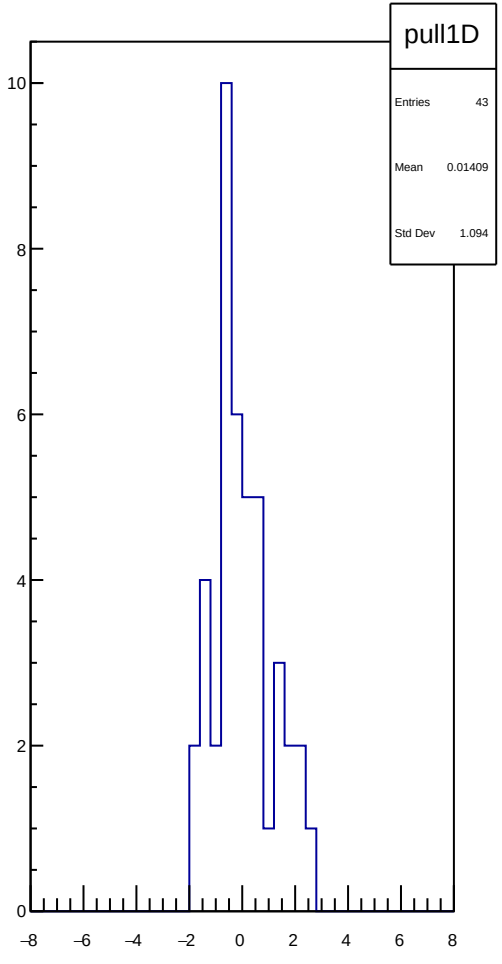

dit_asym_us_avg_rms vs run
χ² / ndf 126.3 / 42
p0 800.5 ± 0.88
840
830
820
810
800
790
780
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

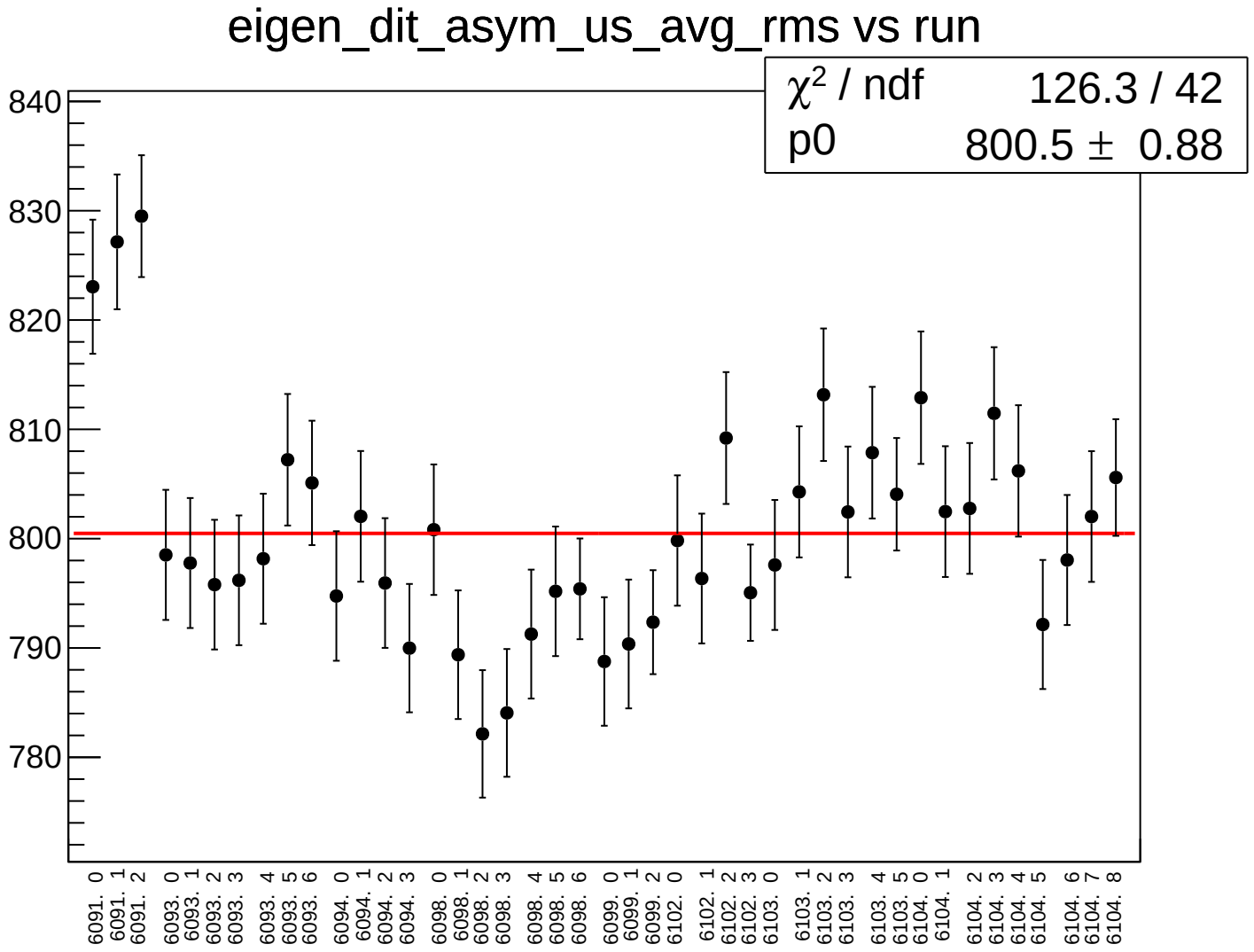

asym_us_avg_dit_correction_mean vs run
χ² / ndf 40.13 / 42
p0 1017 ± 1766
40000
30000
20000
10000
0
−10000
−20000
−30000
−40000
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 21.9
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

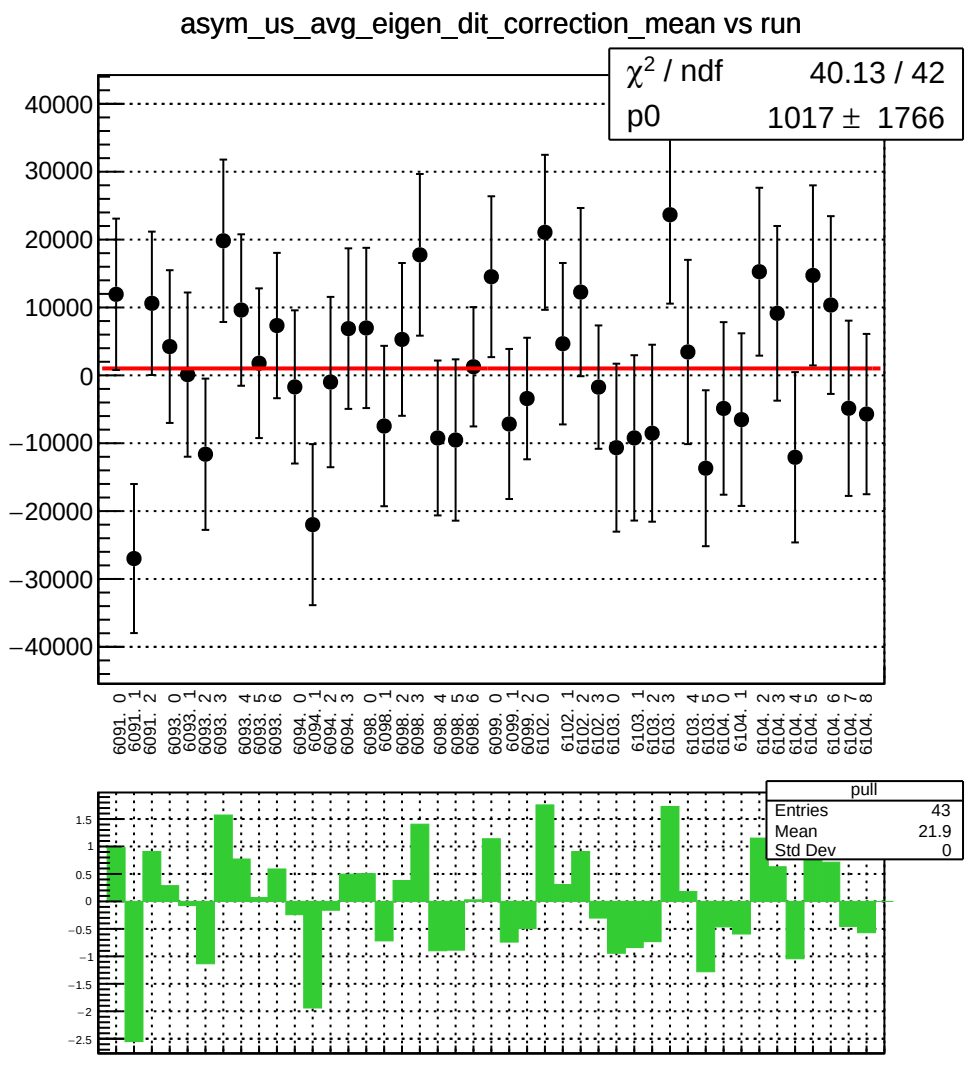

pull1D
Entries 43
Mean 0.01124
Std Dev 0.966
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

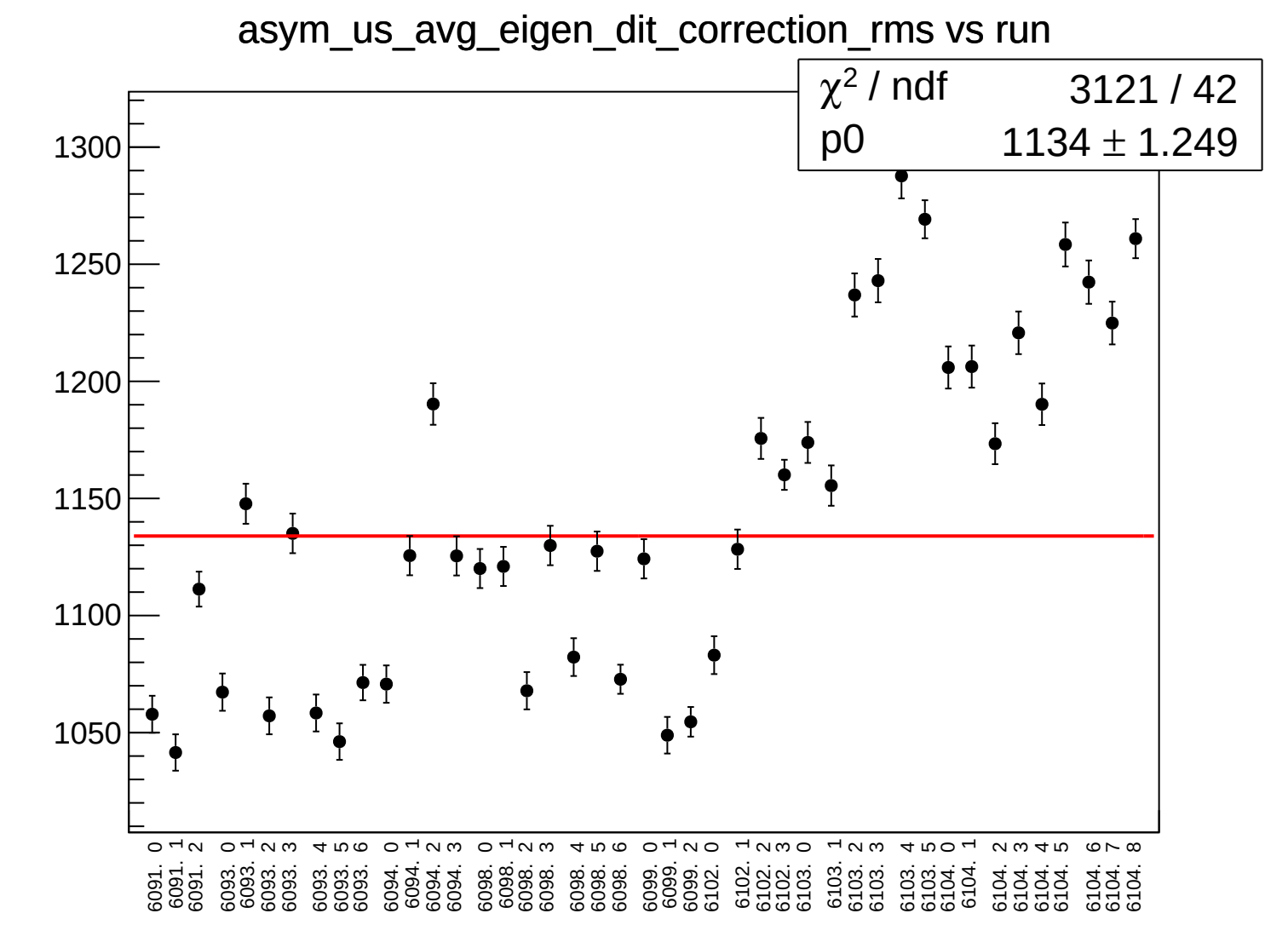

asym_us_avg_dit_correction_rms vs run
χ² / ndf 3121 / 42
p0 1134 ± 1.249
1300
1250
1200
1150
1100
1050
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

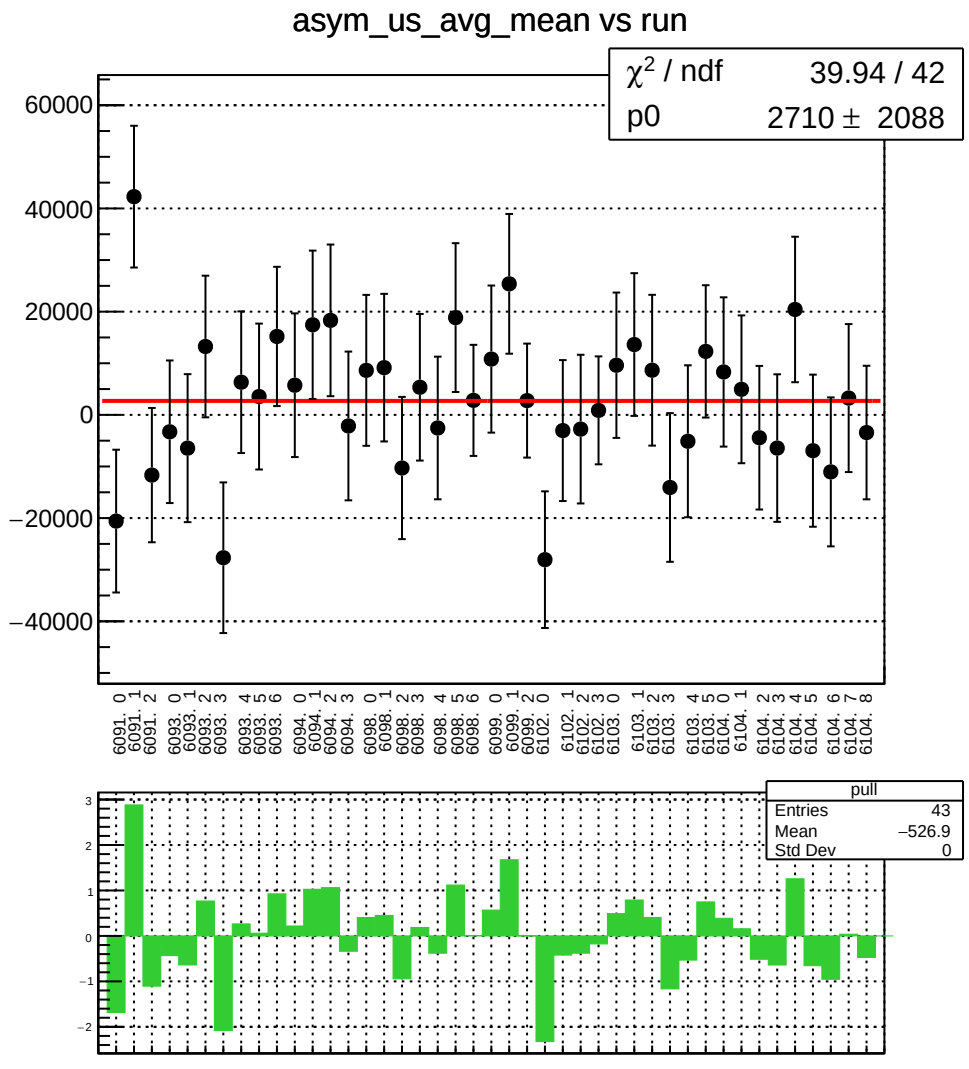

eigen_dit_asym_us_avg_mean vs run
χ² / ndf 51.43 / 42
p0 3808 ± 1244
30000
20000
10000
0
−10000
−20000
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean −76.33
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

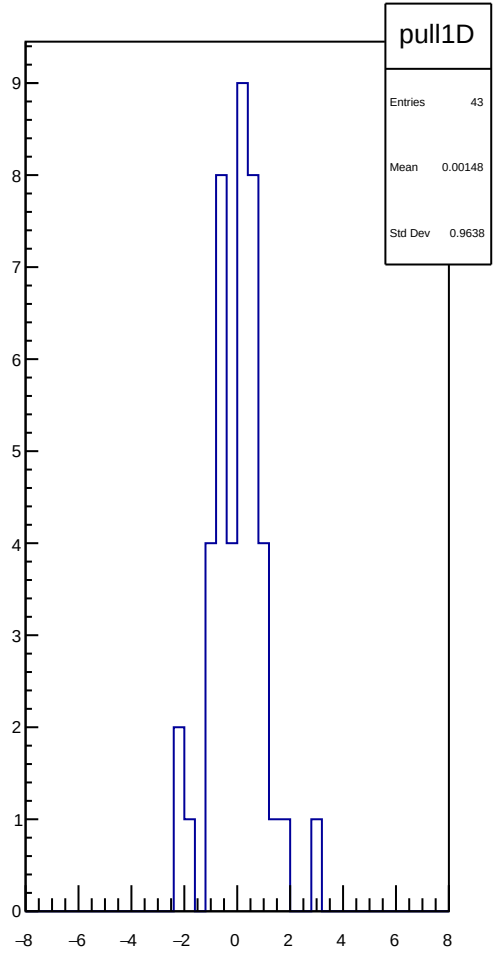

pull1D
Entries 43
Mean 0.01409
Std Dev 1.094
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

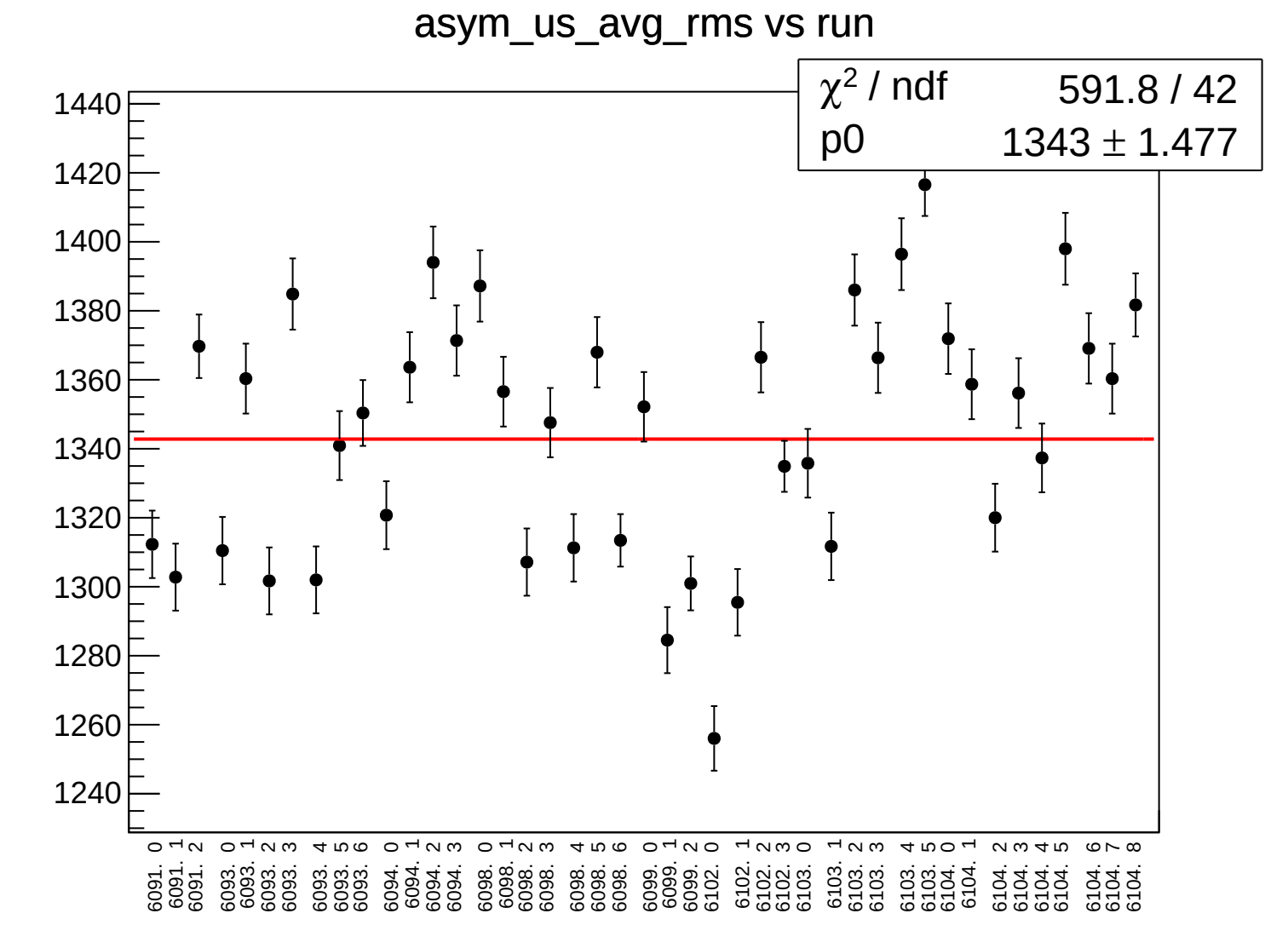

eigen_dit_asym_us_avg_rms vs run
χ² / ndf 126.3 / 42
p0 800.5 ± 0.88
840
830
820
810
800
790
780
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

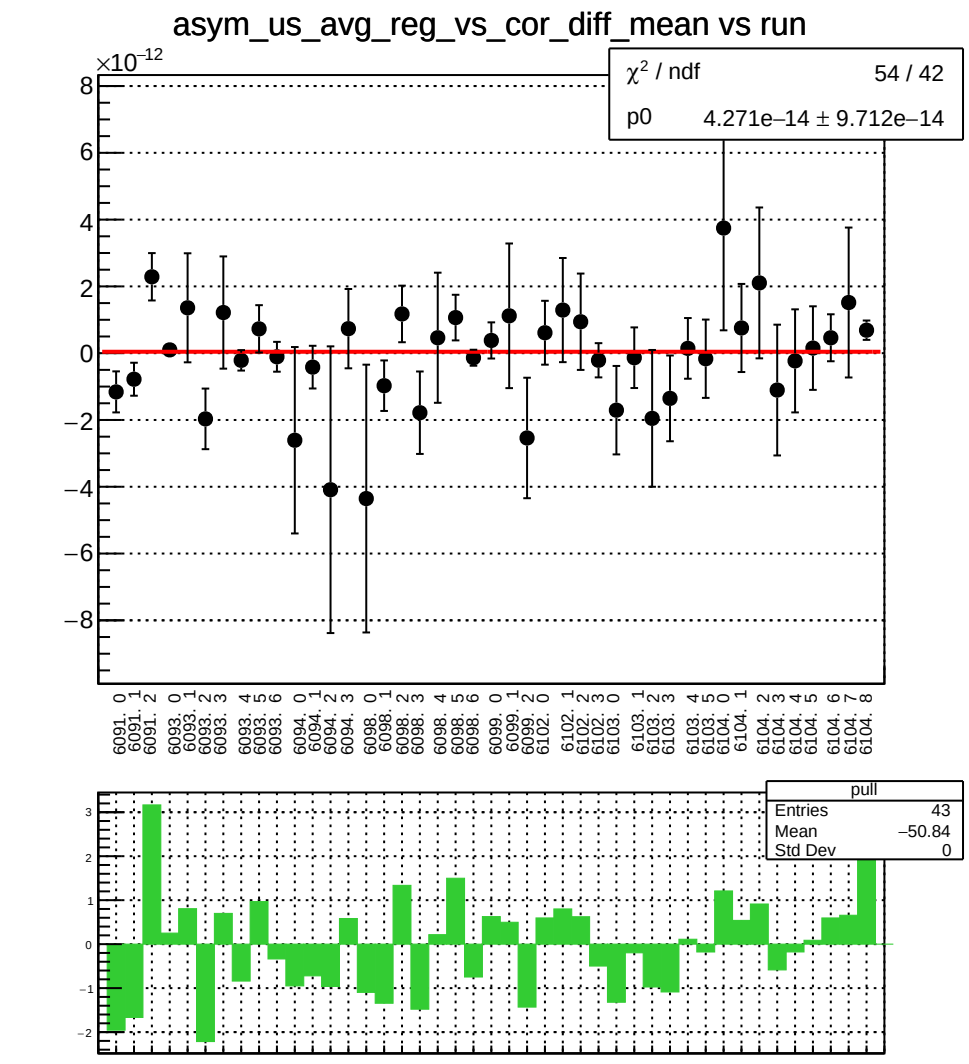

asym_us_avg_eigen_dit_correction_mean vs run
χ² / ndf 40.13 / 42
p0 1017 ± 1766
40000
30000
20000
10000
0
−10000
−20000
−30000
−40000
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 21.9
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5
pull1D
Entries 43
Mean 0.01124
Std Dev 0.966
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

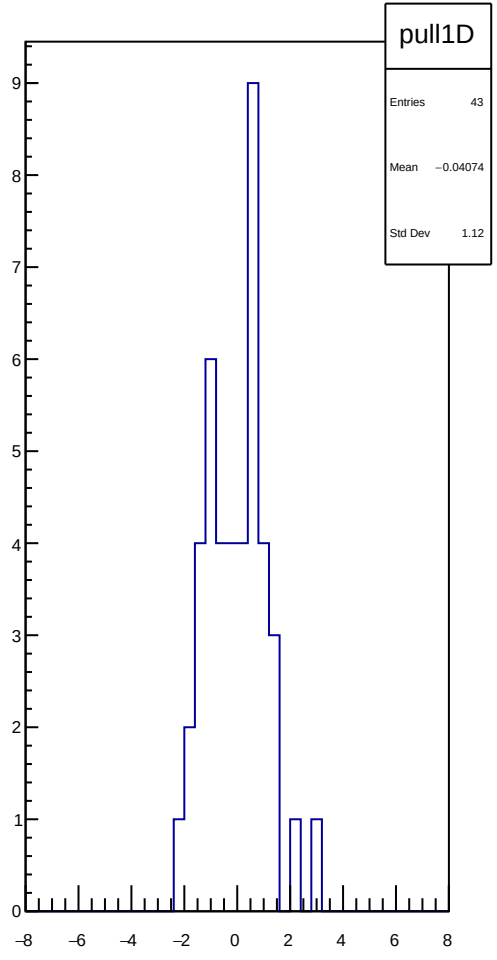

asym_us_avg_eigen_dit_correction_rms vs run
χ² / ndf 3121 / 42
p0 1134 ± 1.249
1300
1250
1200
1150
1100
1050
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

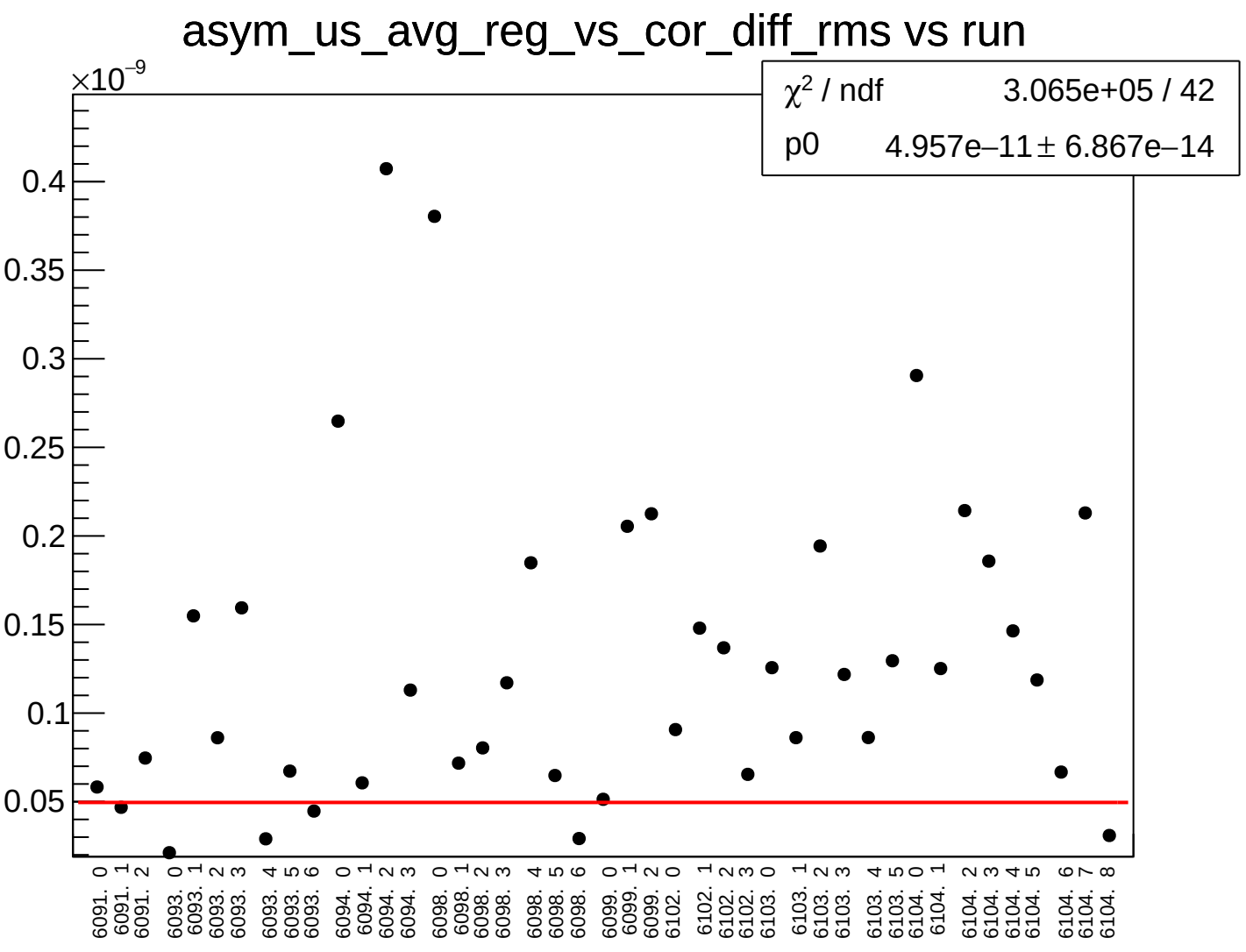

asym_us_avg_mean vs run
χ² / ndf 39.94 / 42
p0 2710 ± 2088
60000
40000
20000
0
−20000
−40000
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean −526.9
Std Dev 0
3
2
1
0
−1
−2

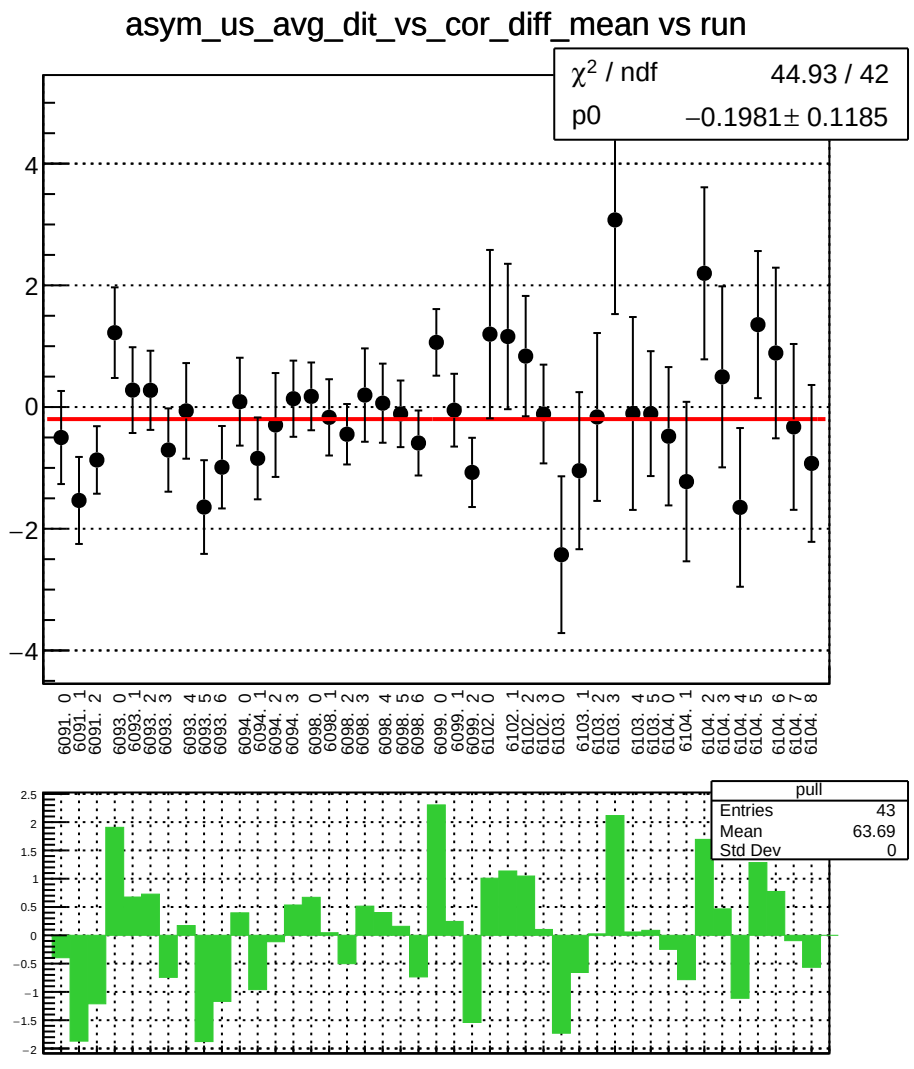

pull1D
Entries 43
Mean 0.00148
Std Dev 0.9638
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

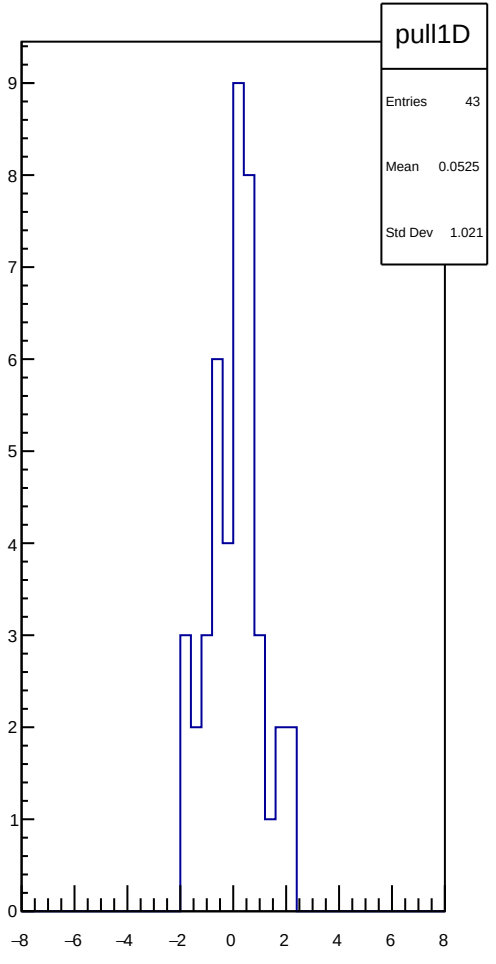

asym_us_avg_rms vs run
χ² / ndf 591.8 / 42
p0 1343 ± 1.477
1440
1420
1400
1380
1360
1340
1320
1300
1280
1260
1240
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

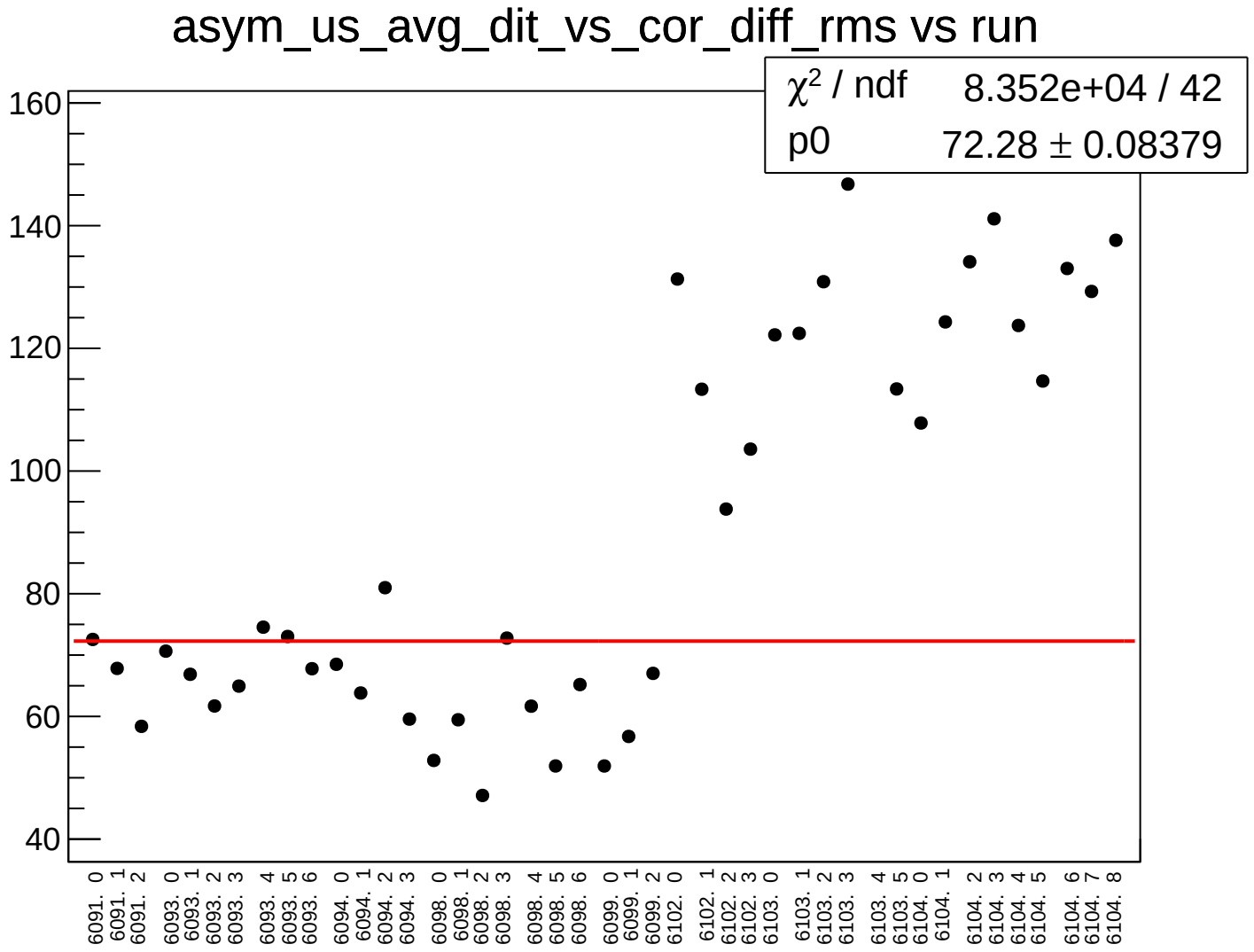

asym_us_avg_reg_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 54 / 42
p0 4.271e−14 ± 9.712e−14
pull
Entries 43
Mean −50.84
Std Dev 0

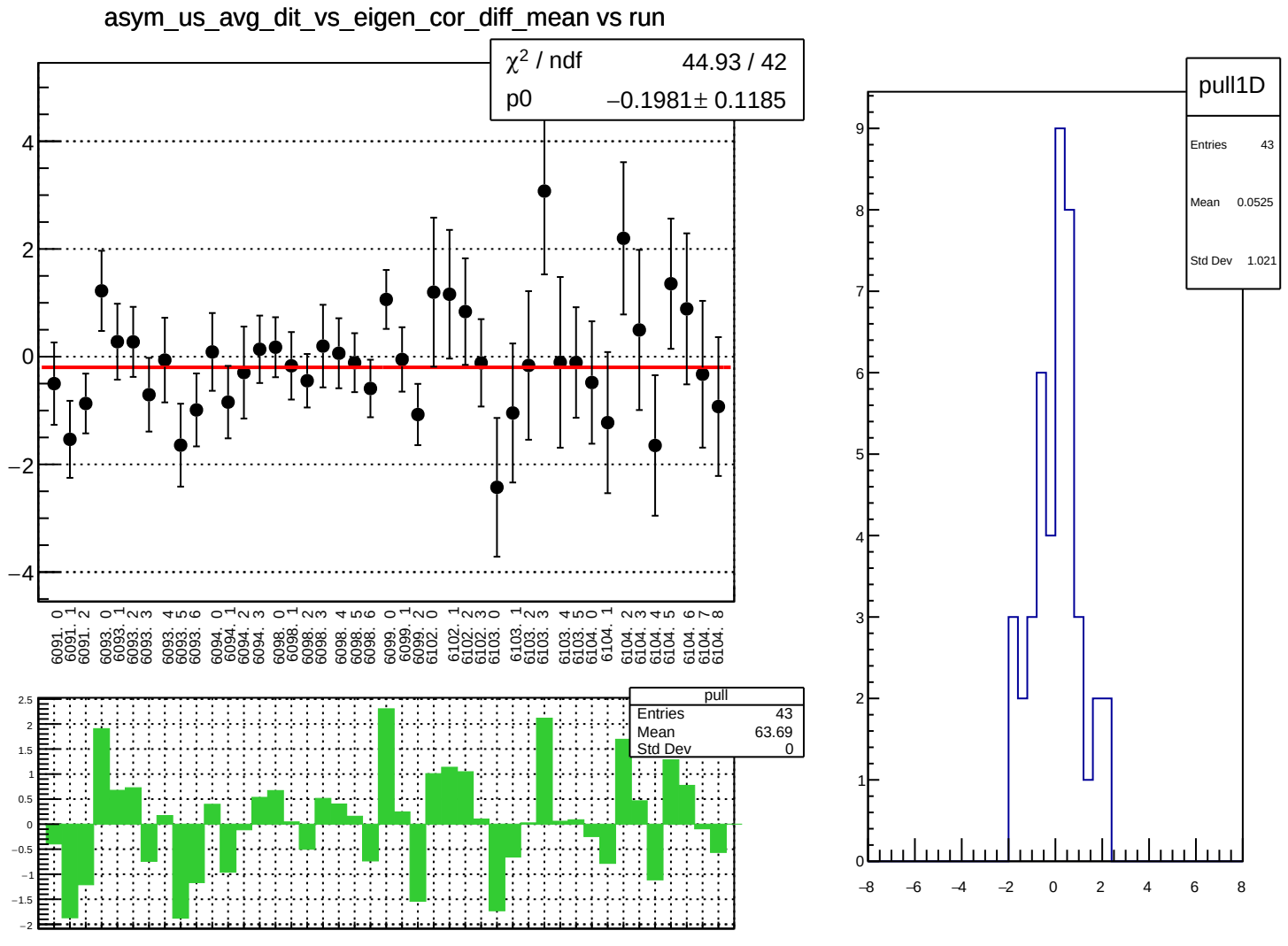

pull1D
Entries 43
Mean −0.04074
Std Dev 1.12

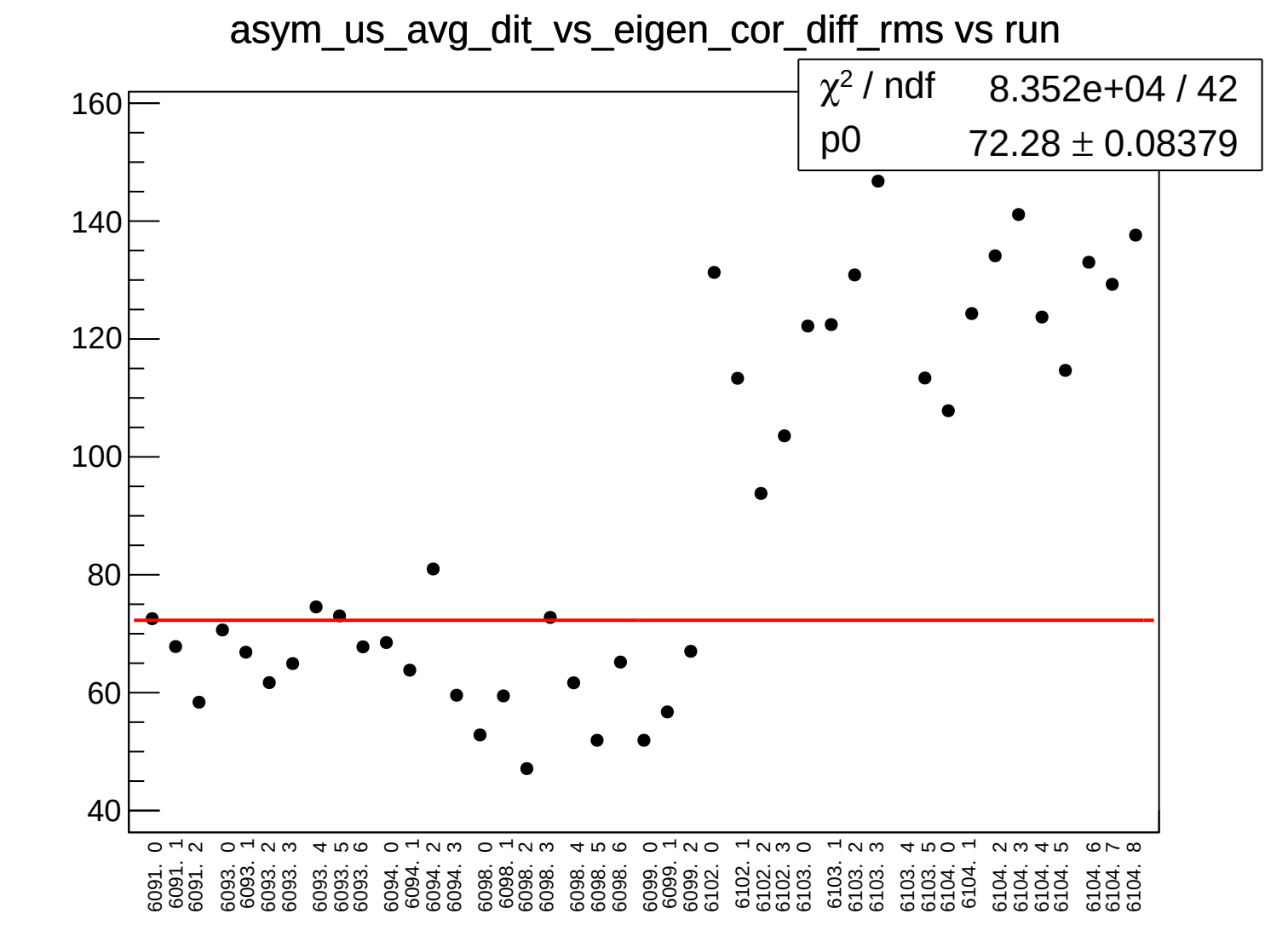

asym_us_avg_reg_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 3.065e+05 / 42
p0 4.957e−11 ± 6.867e−14
0.4
0.35
0.3
0.25
0.2
0.15
0.1
0.05
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

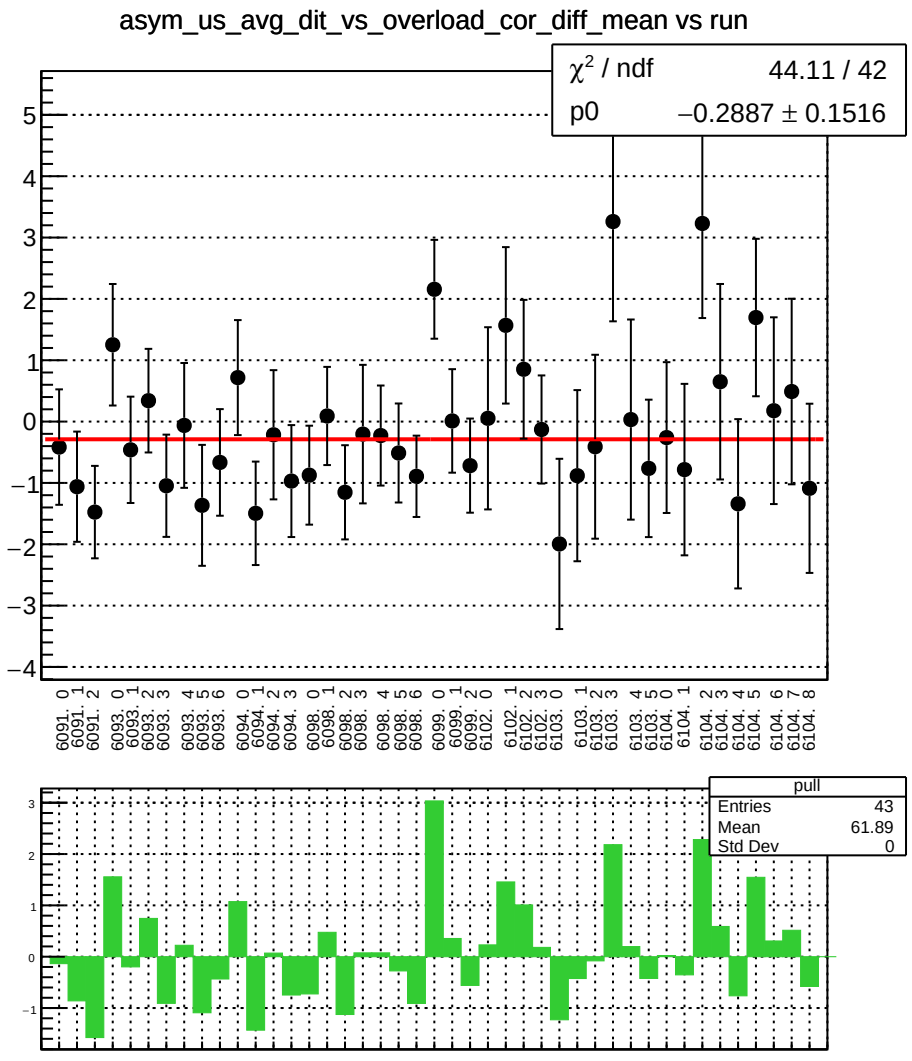

asym_us_avg_dit_vs_cor_diff_mean vs run
χ² / ndf 44.93 / 42
p0 −0.1981± 0.1185
pull
Entries 43
Mean 63.69
Std Dev 0

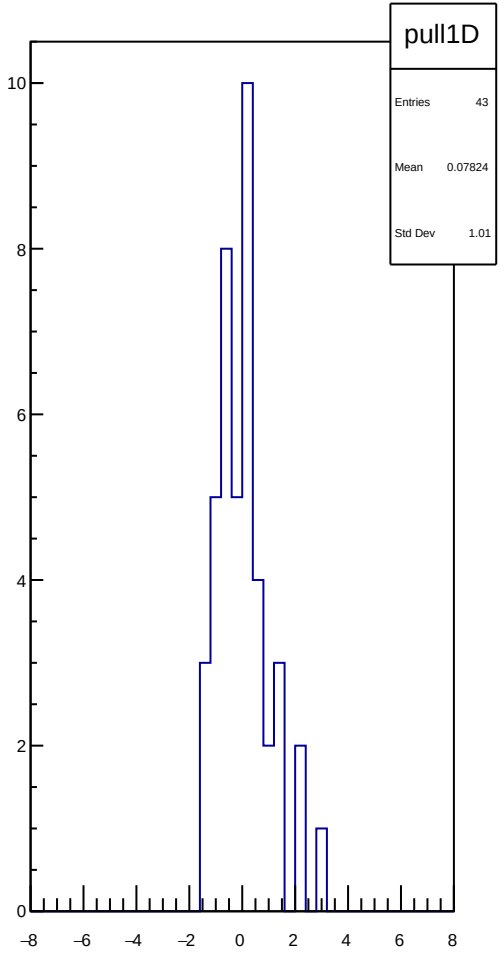

pull1D
Entries 43
Mean 0.0525
Std Dev 1.021

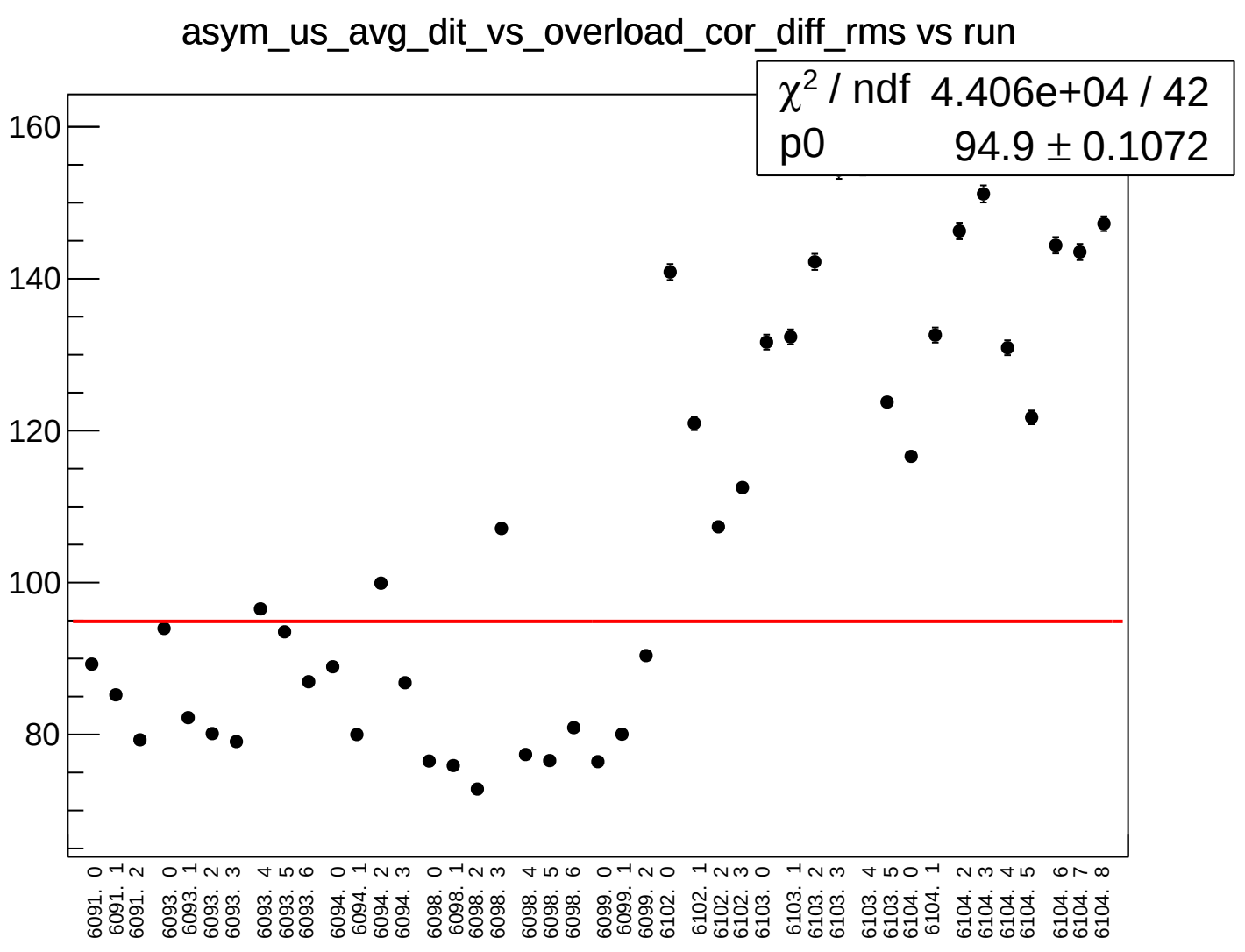

asym_us_avg_dit_vs_cor_diff_rms vs run
χ² / ndf 8.352e+04 / 42
p0 72.28 ± 0.08379
160
140
120
100
80
60
40
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

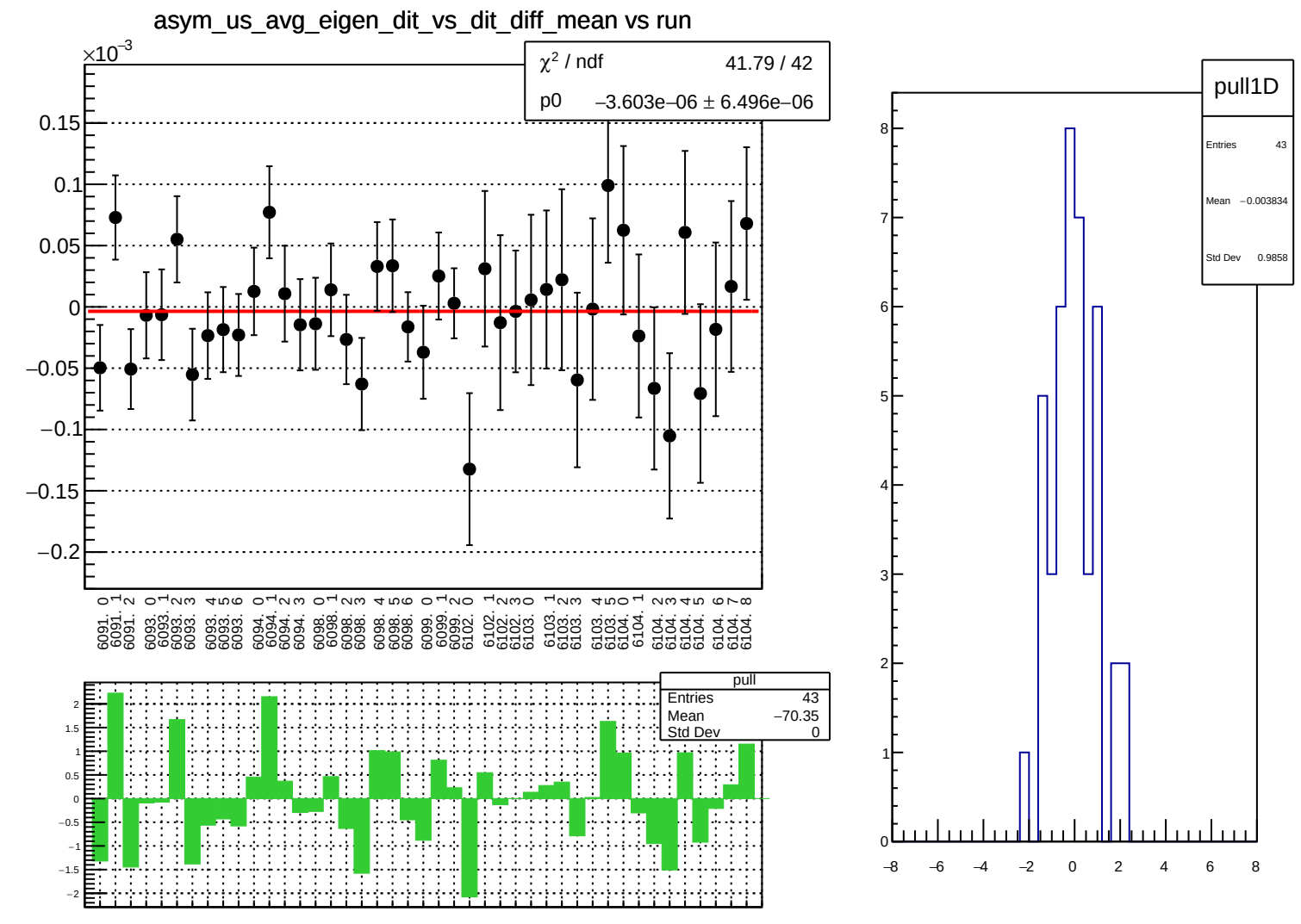

asym_us_avg_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 44.93 / 42
p0 −0.1981± 0.1185
pull
Entries 43
Mean 63.69
Std Dev 0
pull1D
Entries 43
Mean 0.0525
Std Dev 1.021

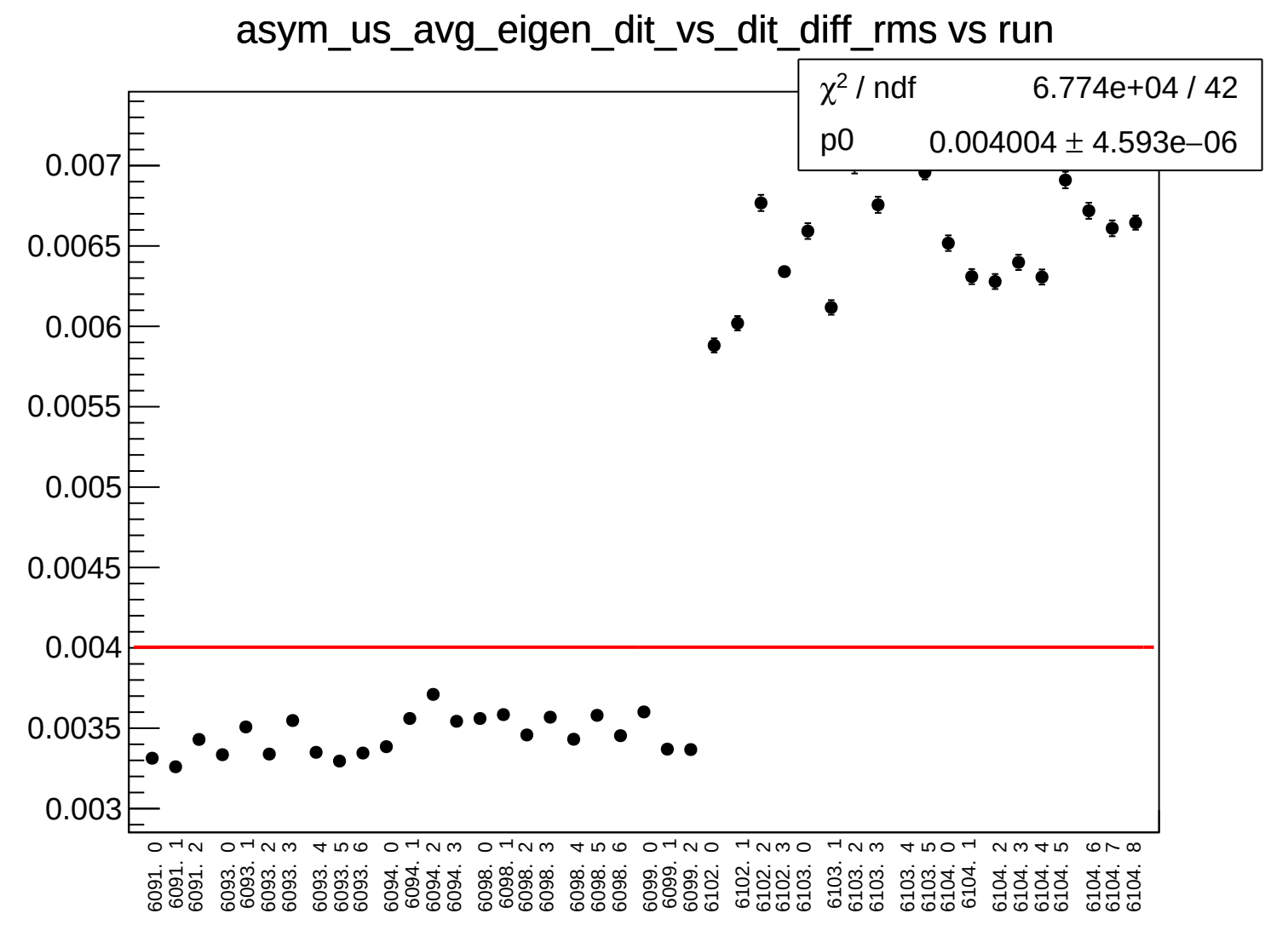

asym_us_avg_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 8.352e+04 / 42
p0 72.28 ± 0.08379
160
140
120
100
80
60
40
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

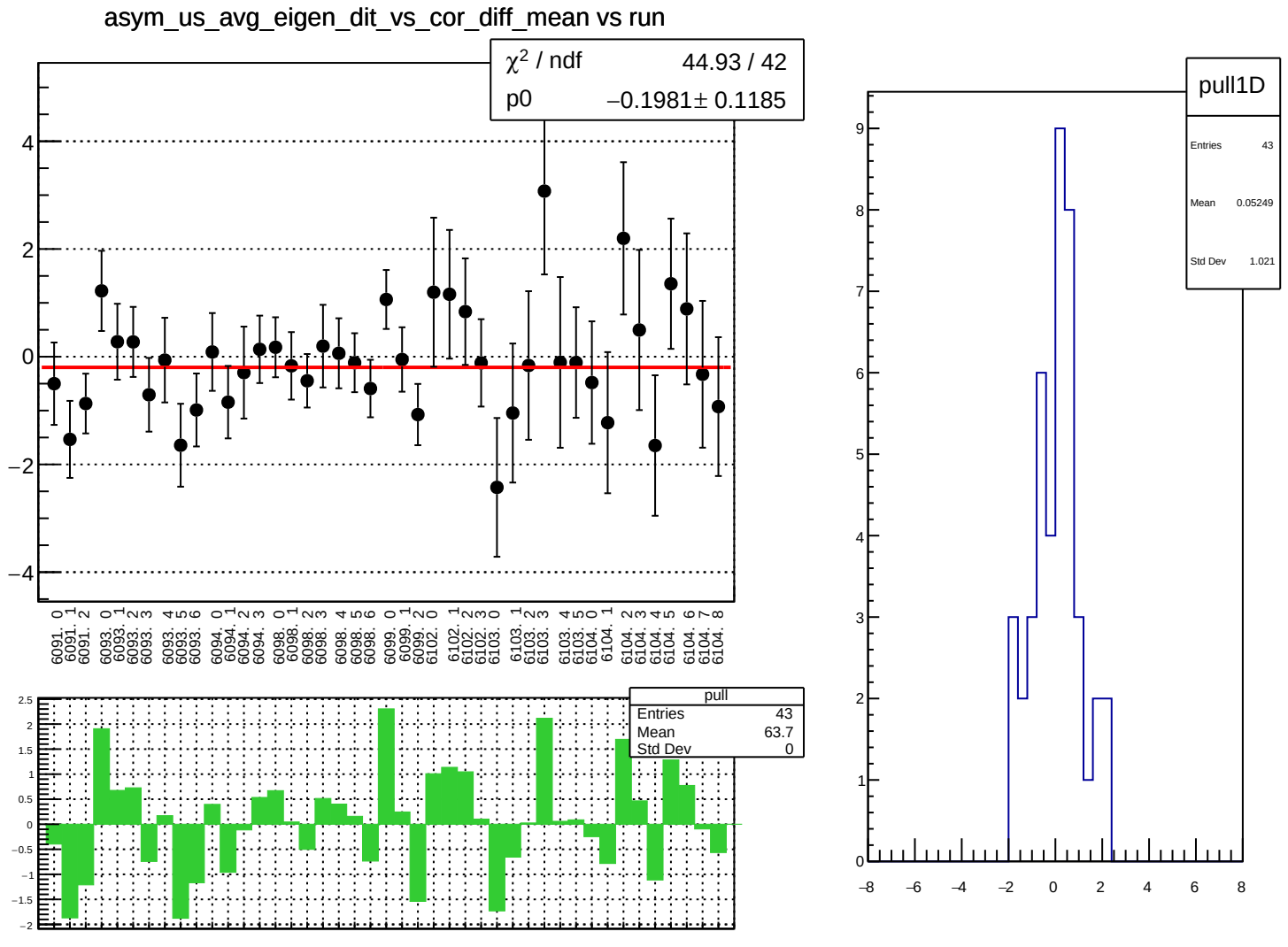

asym_us_avg_dit_vs_overload_cor_diff_mean vs run
χ² / ndf 44.11 / 42
p0 −0.2887 ± 0.1516
pull
Entries 43
Mean 61.89
Std Dev 0

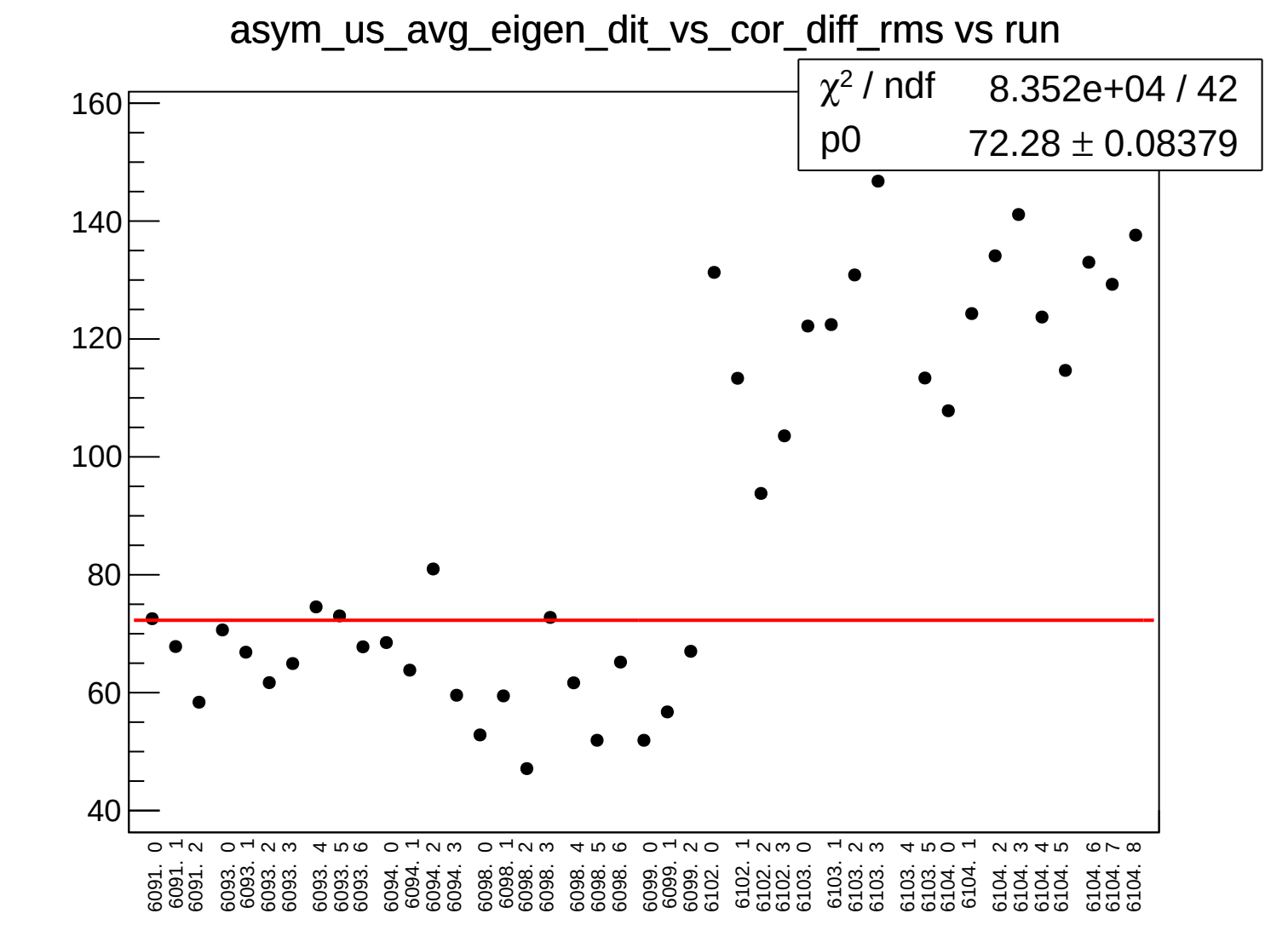

pull1D
Entries 43
Mean 0.07824
Std Dev 1.01

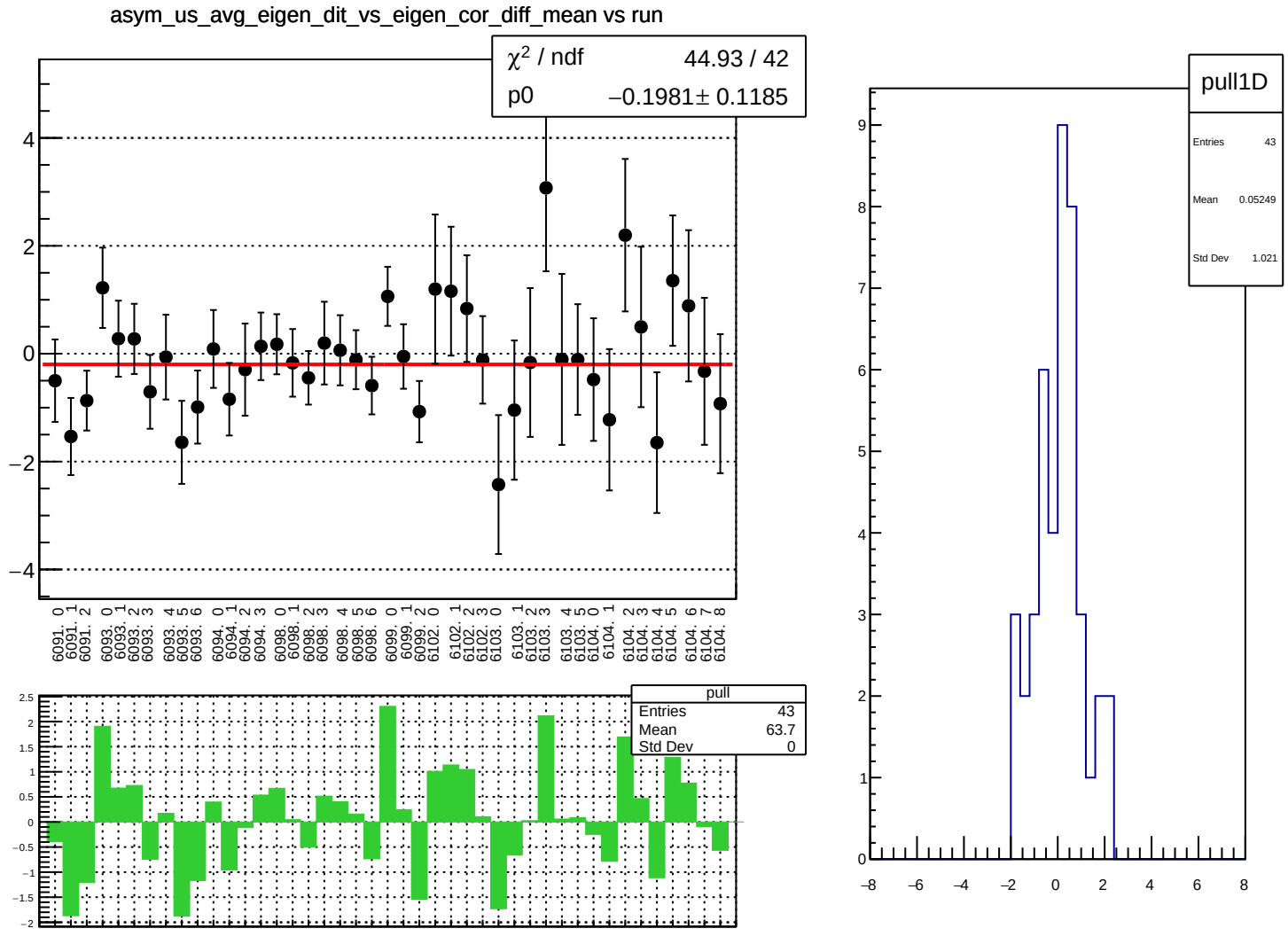

asym_us_avg_dit_vs_overload_cor_diff_rms vs run
χ² / ndf 4.406e+04 / 42
p0 94.9 ± 0.1072
160
140
120
100
80
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

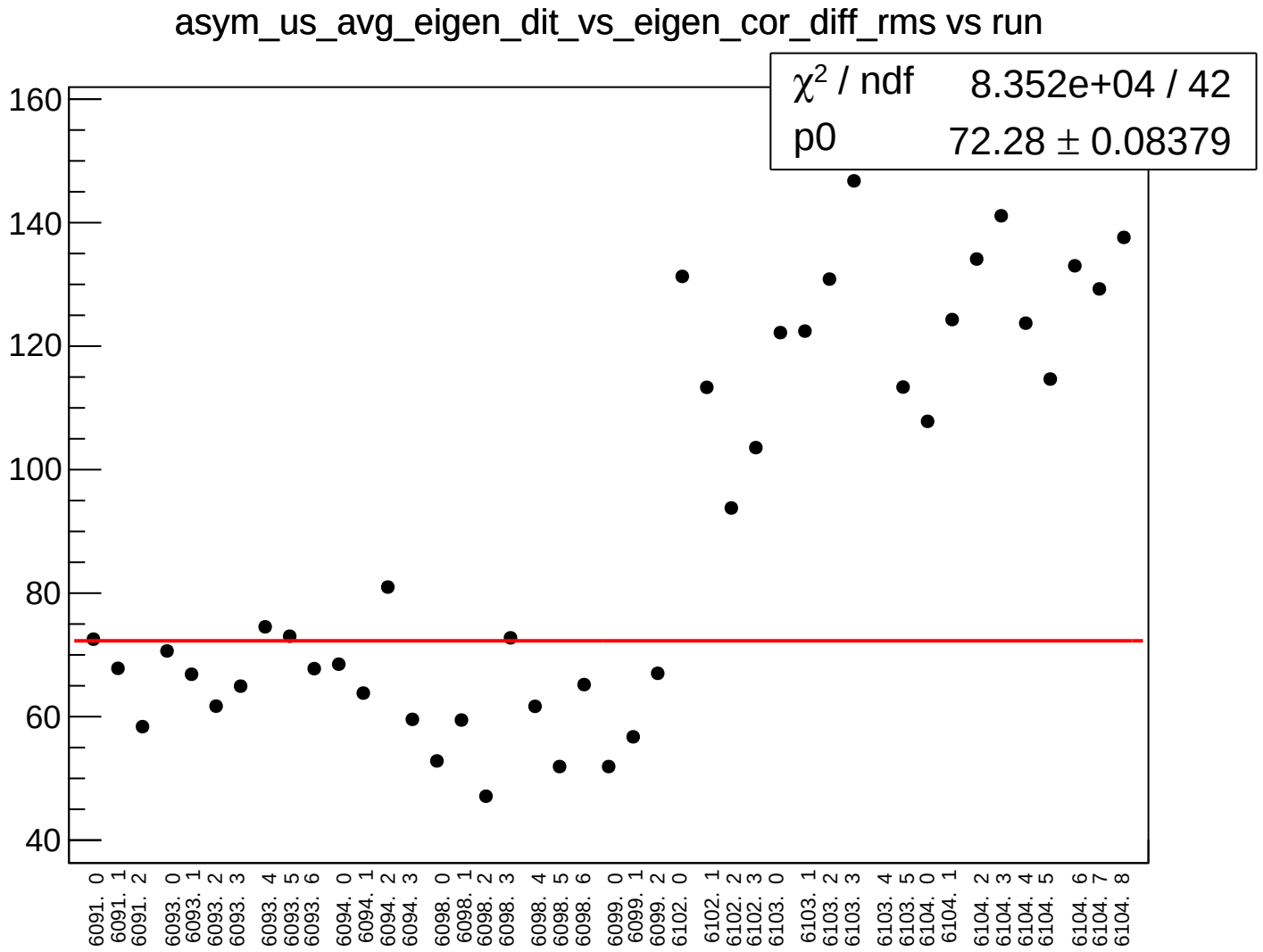

asym_us_avg_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 41.79 / 42
p0 −3.603e−06 ± 6.496e−06
0.15
0.1
0.05
0
−0.05
−0.1
−0.15
−0.2
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean −70.35
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 43
Mean −0.003834
Std Dev 0.9858
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

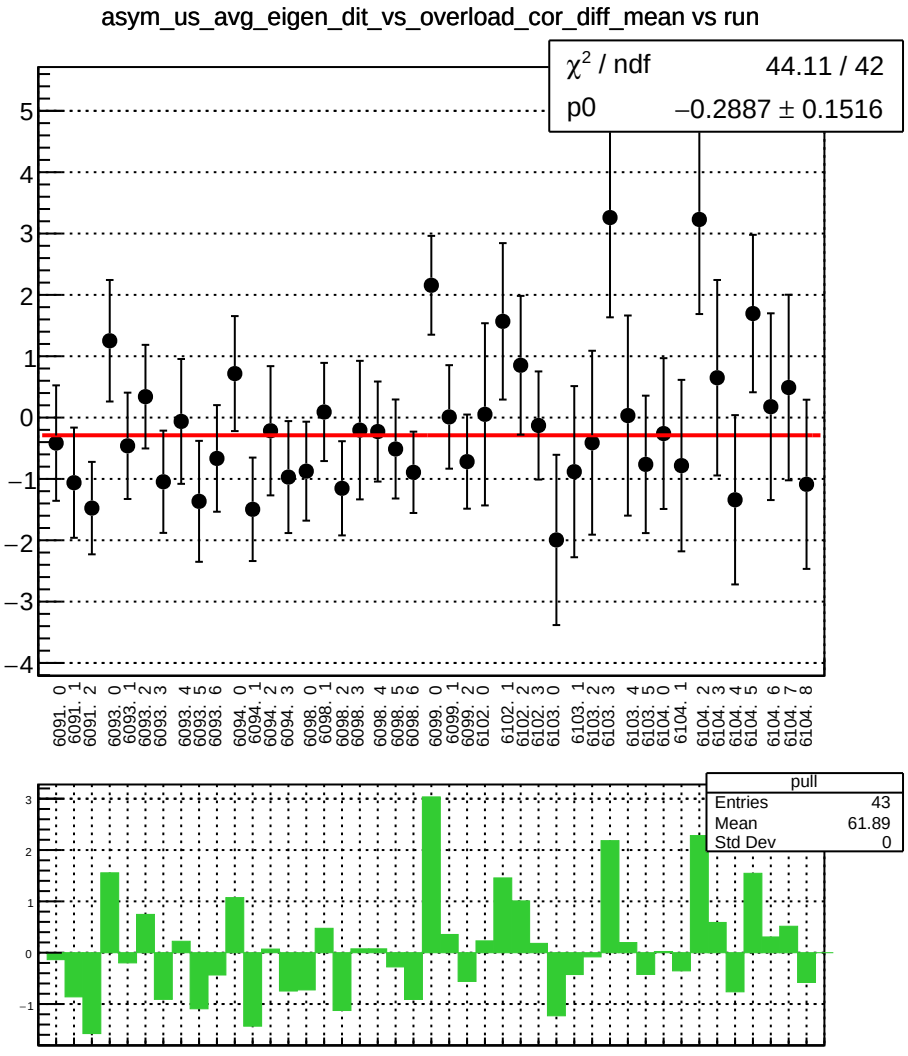

asym_us_avg_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 6.774e+04 / 42
p0 0.004004 ± 4.593e−06
0.007
0.0065
0.006
0.0055
0.005
0.0045
0.004
0.0035
0.003
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

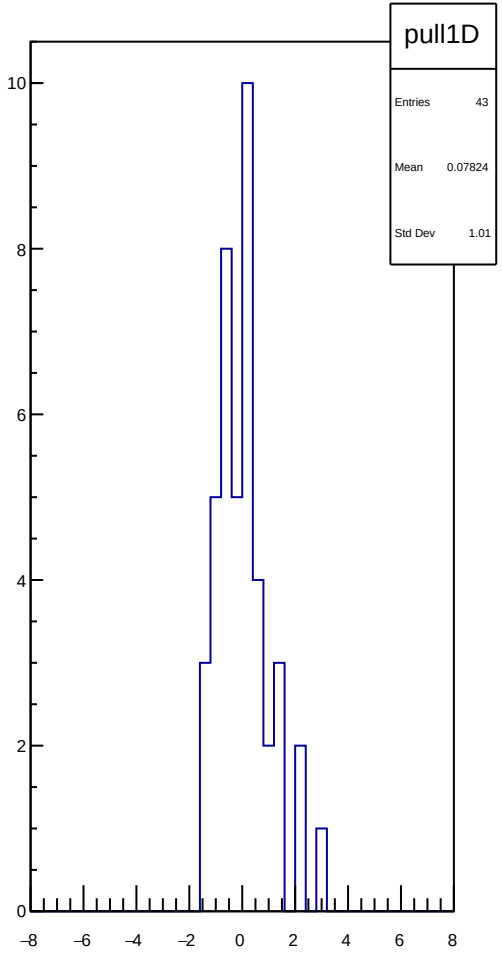

asym_us_avg_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 44.93 / 42
p0 −0.1981± 0.1185
pull
Entries 43
Mean 63.7
Std Dev 0
pull1D
Entries 43
Mean 0.05249
Std Dev 1.021

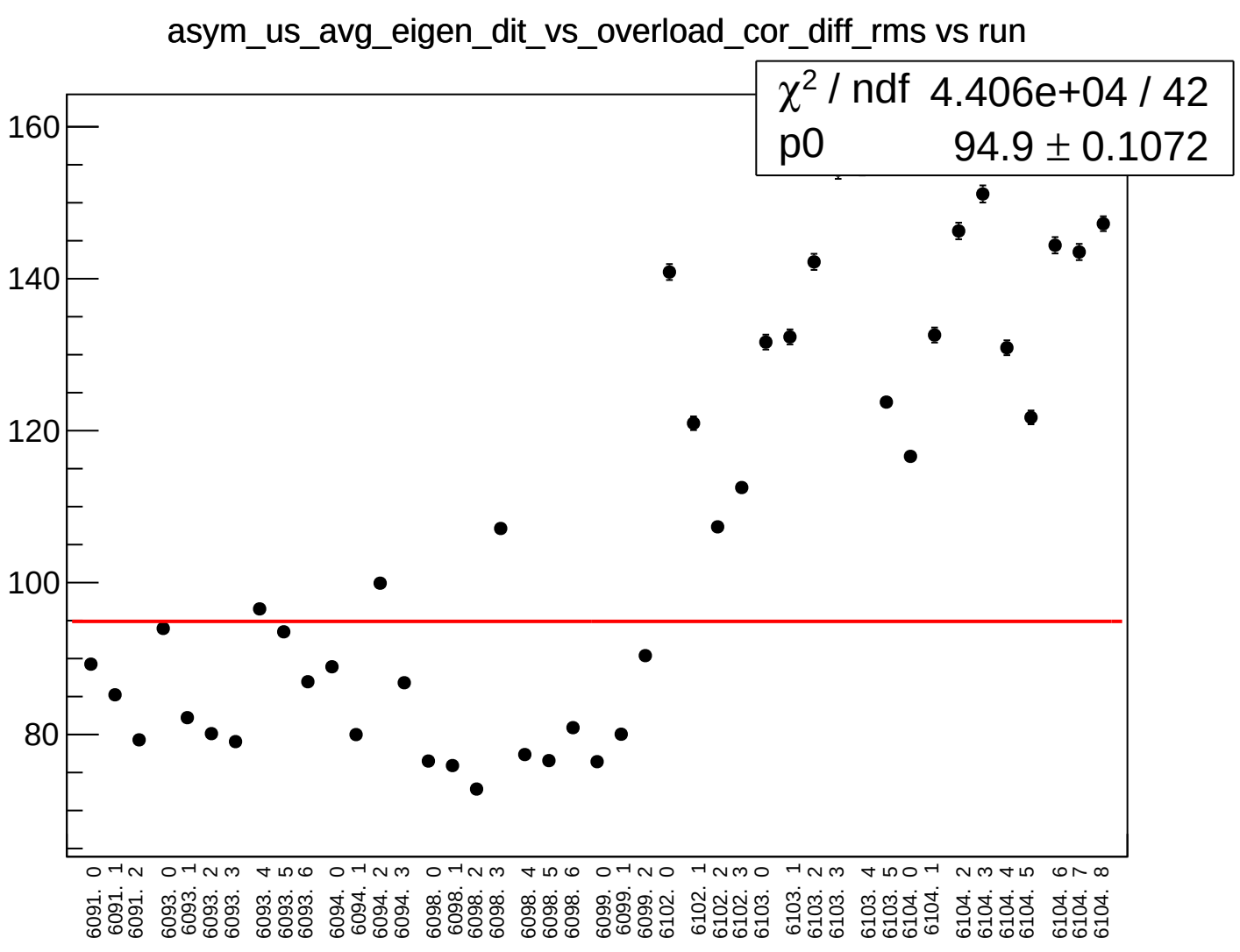

asym_us_avg_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 8.352e+04 / 42
p0 72.28 ± 0.08379
160
140
120
100
80
60
40
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

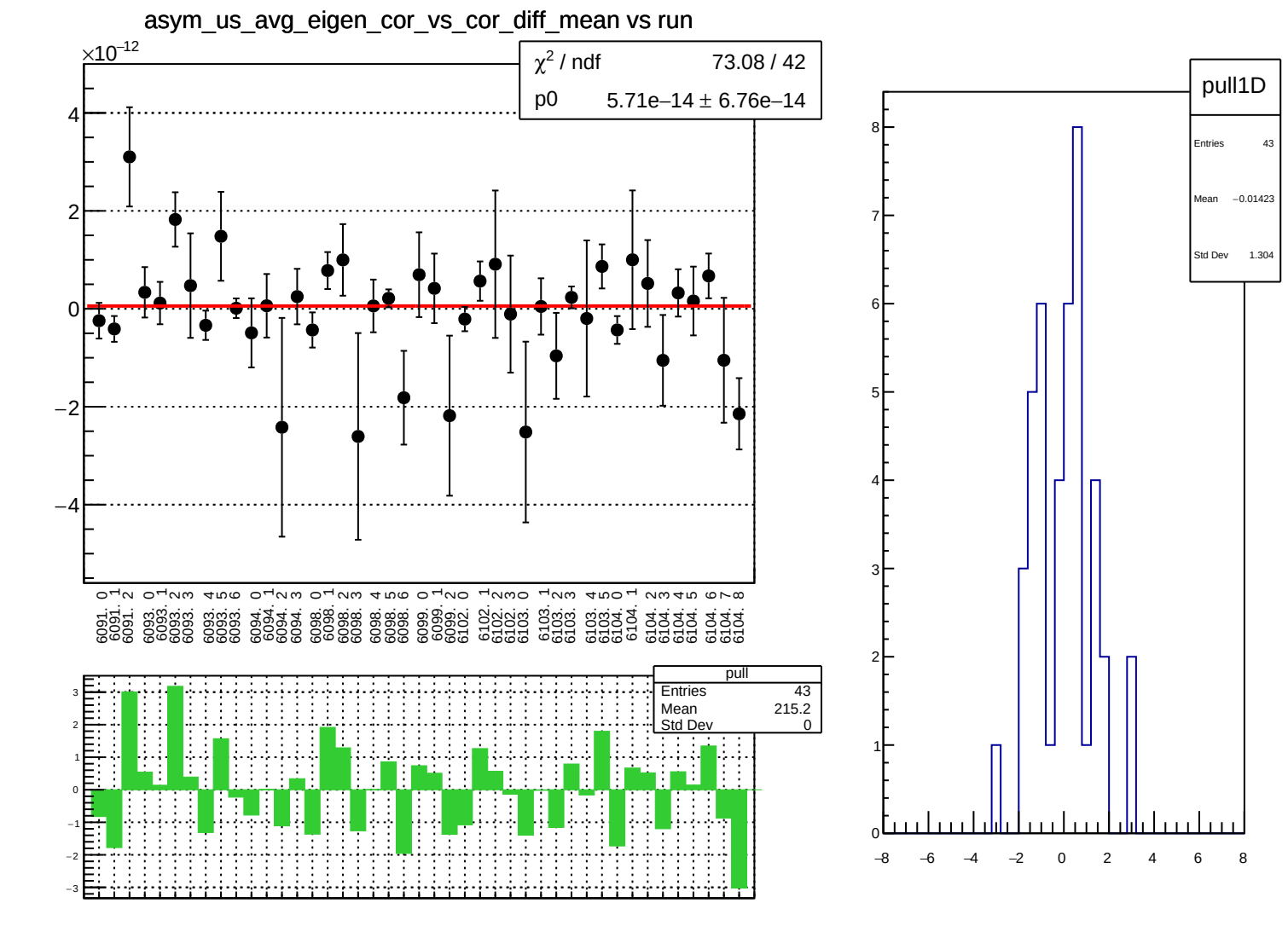

asym_us_avg_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 44.93 / 42
p0 −0.1981± 0.1185
pull
Entries 43
Mean 63.7
Std Dev 0
pull1D
Entries 43
Mean 0.05249
Std Dev 1.021

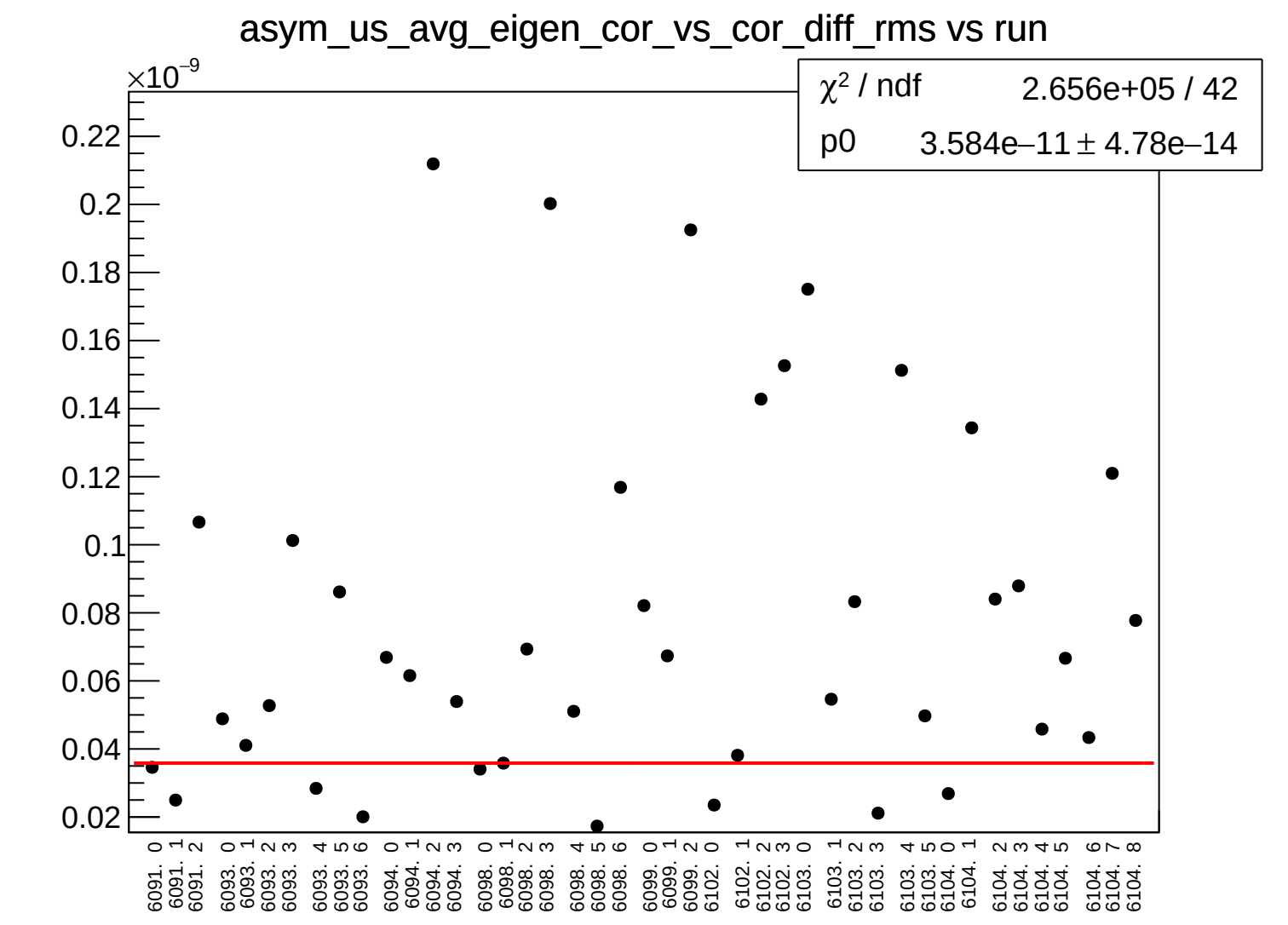

asym_us_avg_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 8.352e+04 / 42
p0 72.28 ± 0.08379
160
140
120
100
80
60
40
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

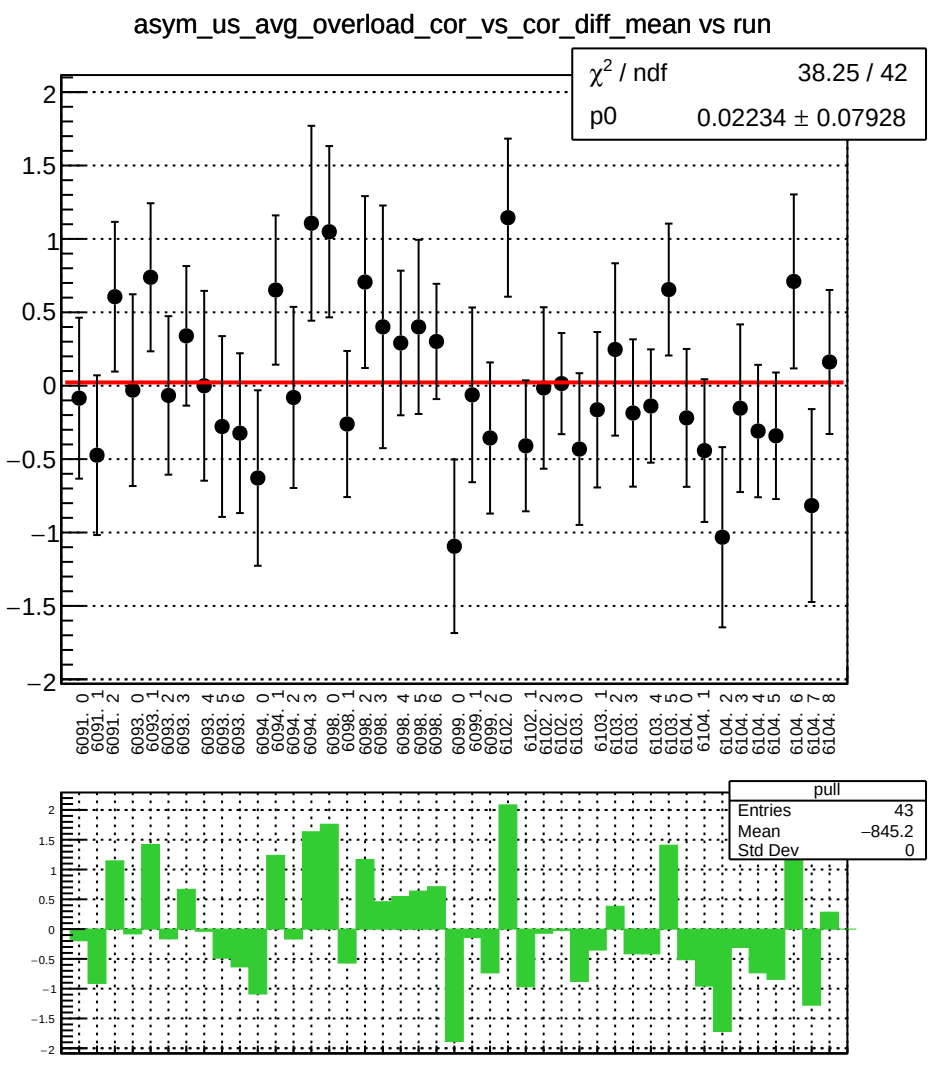

asym_us_avg_eigen_dit_vs_overload_cor_diff_mean vs run
χ² / ndf 44.11 / 42
p0 −0.2887 ± 0.1516
pull
Entries 43
Mean 61.89
Std Dev 0

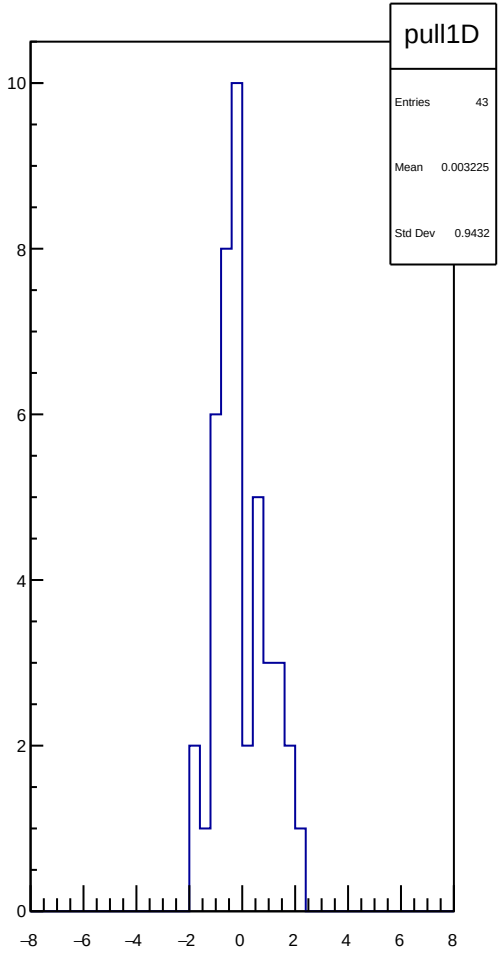

pull1D
Entries 43
Mean 0.07824
Std Dev 1.01

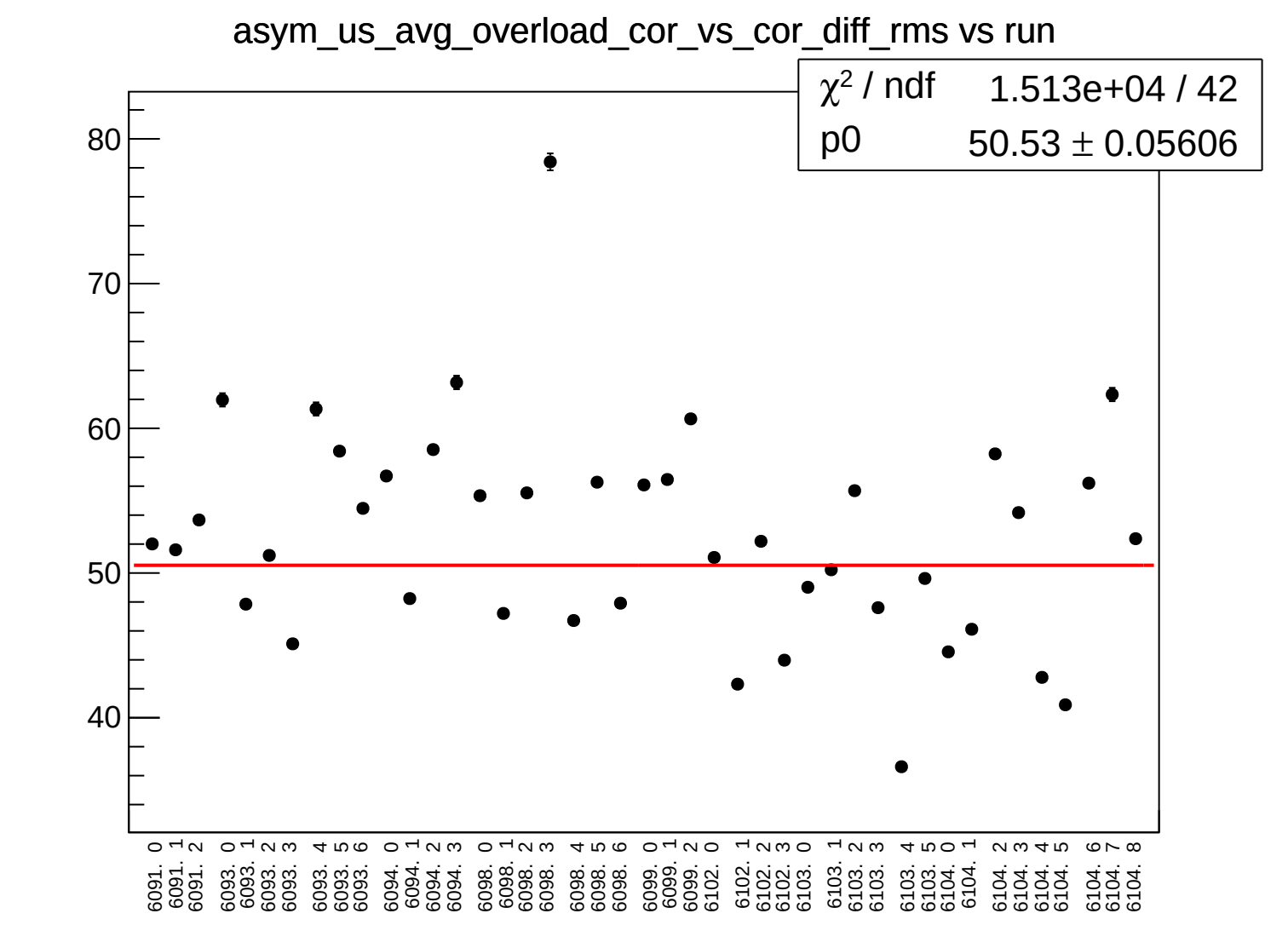

asym_us_avg_eigen_dit_vs_overload_cor_diff_rms vs run
χ² / ndf 4.406e+04 / 42
p0 94.9 ± 0.1072
160
140
120
100
80
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8


asym_us_avg_eigen_cor_vs_cor_diff_mean vs run
×10−12
χ2 / ndf 73.08 / 42
p0 5.71e−14 ± 6.76e−14
4
2
0
−2
−4
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 215.2
Std Dev 0
3
2
1
0
−1
−2
−3
pull1D
Entries 43
Mean −0.01423
Std Dev 1.304
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

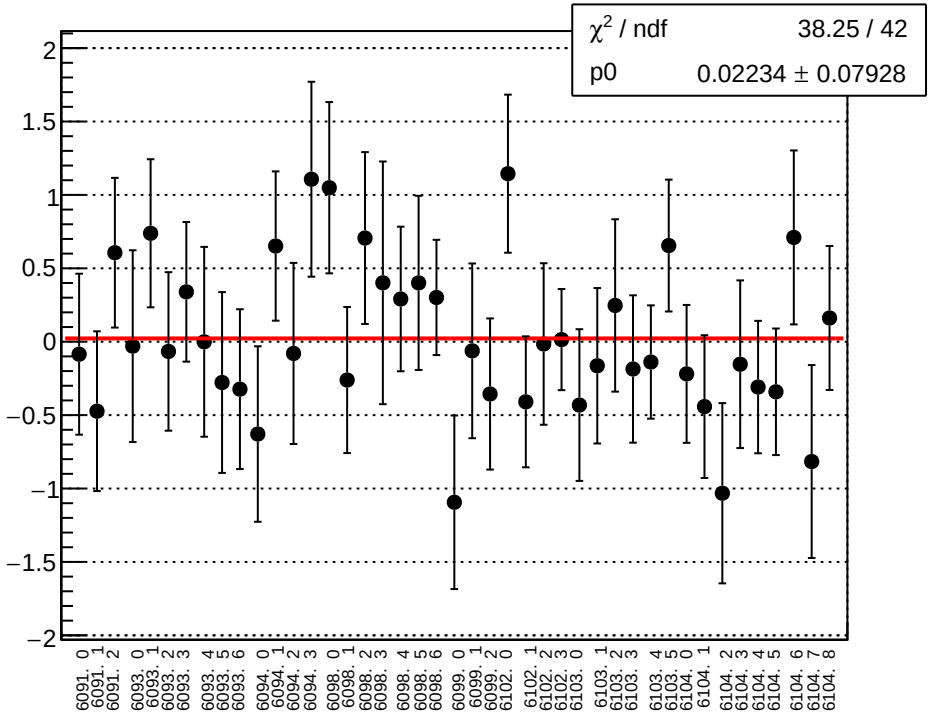

asym_us_avg_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 2.656e+05 / 42
p0 3.584e−11 ± 4.78e−14
0.22
0.2
0.18
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

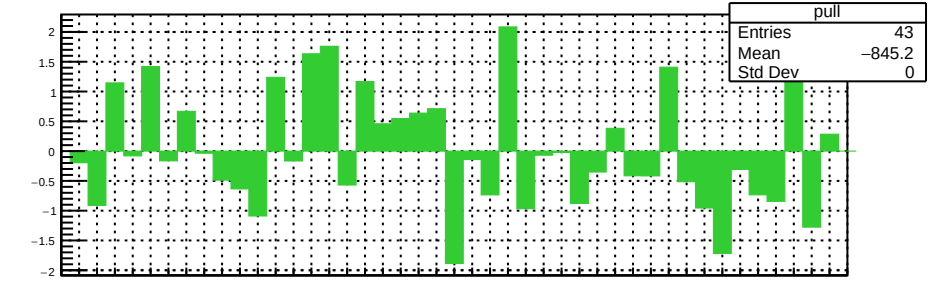

asym_us_avg_overload_cor_vs_cor_diff_mean vs run
χ² / ndf 38.25 / 42
p0 0.02234 ± 0.07928
pull
Entries 43
Mean −845.2
Std Dev 0

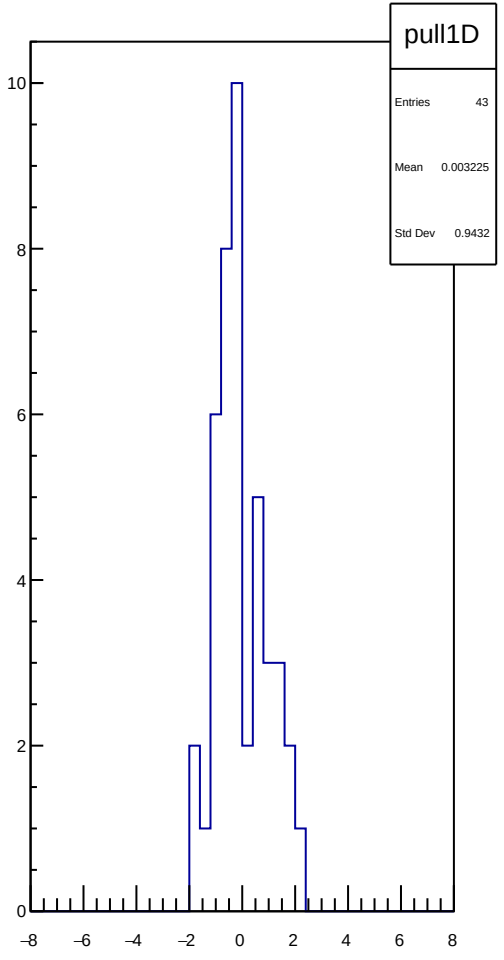

pull1D
Entries 43
Mean 0.003225
Std Dev 0.9432

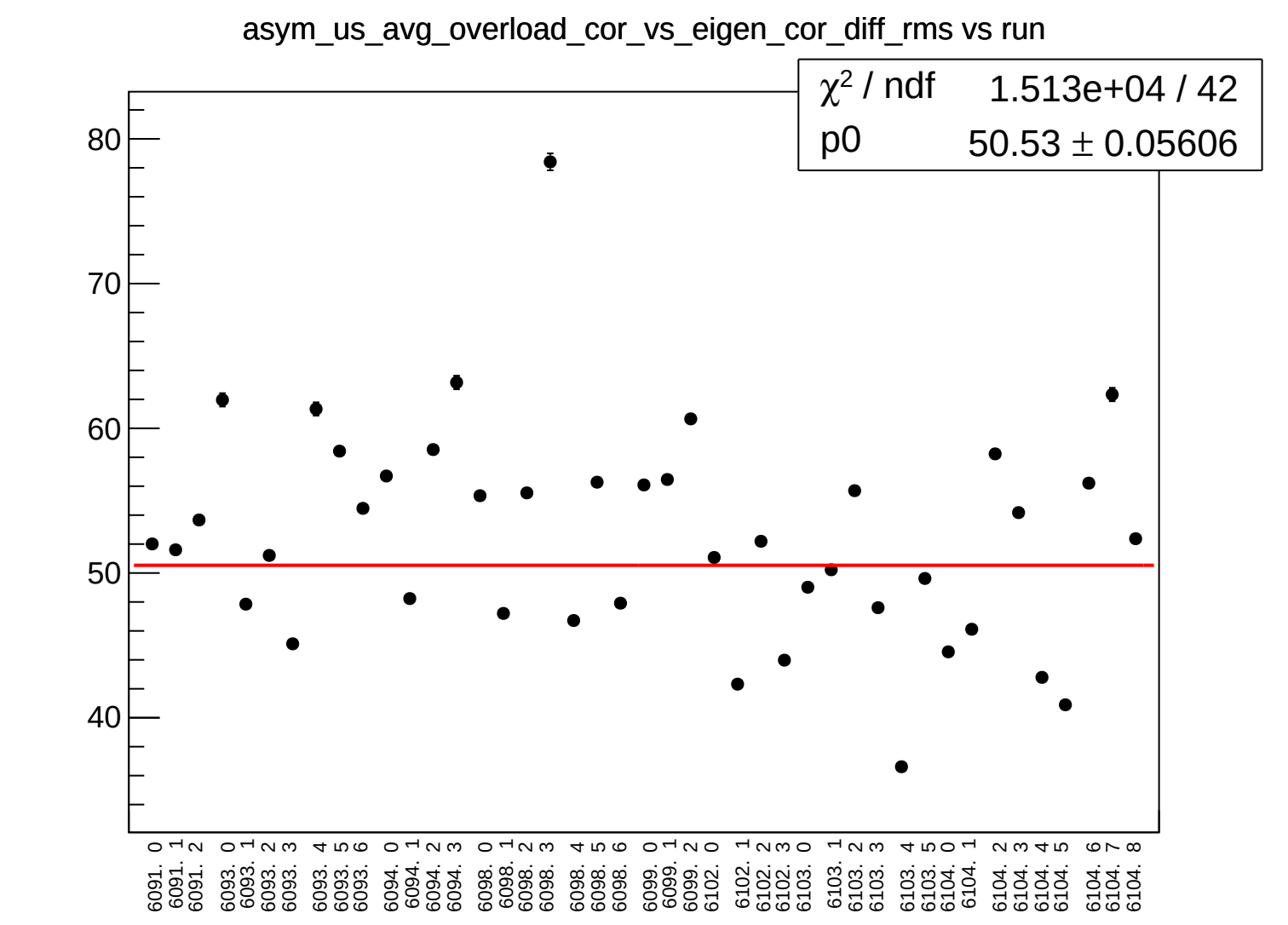

asym_us_avg_overload_cor_vs_cor_diff_rms vs run
χ² / ndf 1.513e+04 / 42
p0 50.53 ± 0.05606
80
70
60
50
40
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

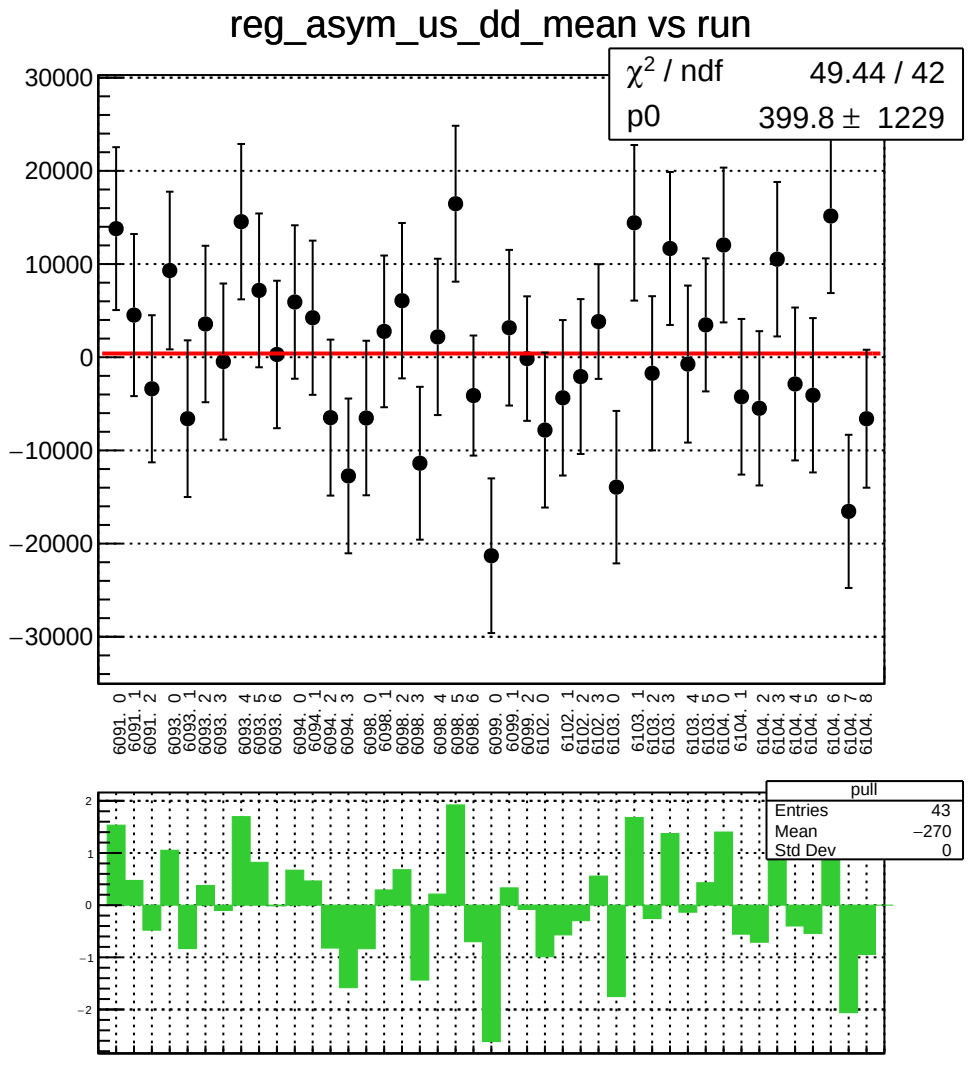
asym_us_avg_overload_cor_vs_eigen_cor_diff_mean vs run

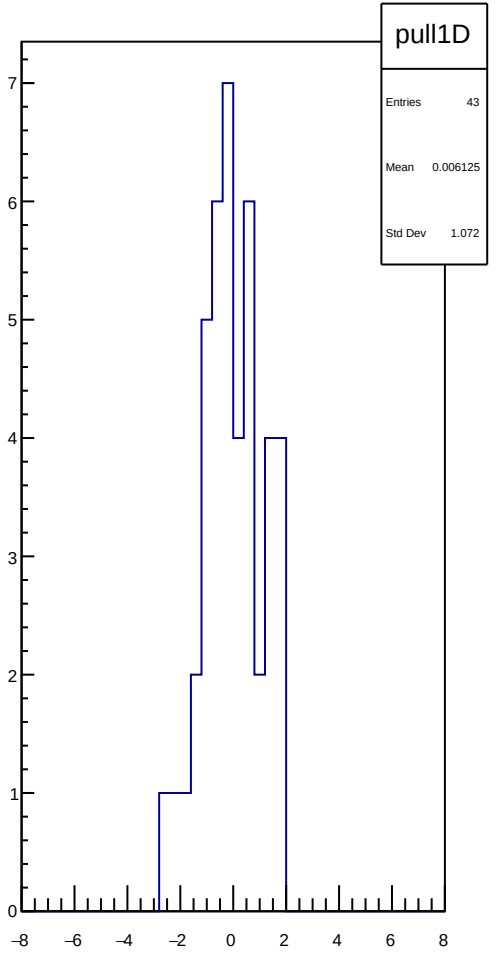


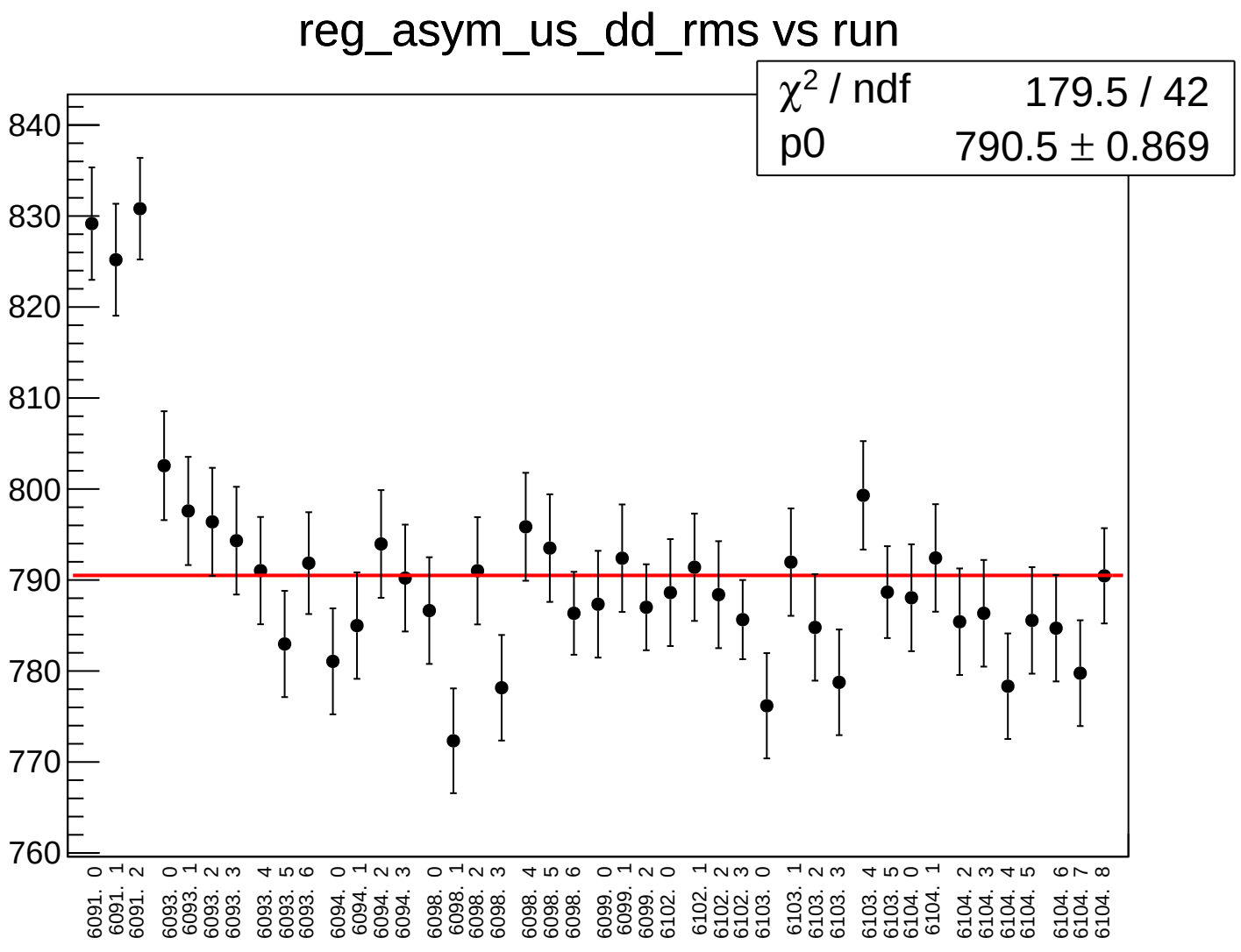


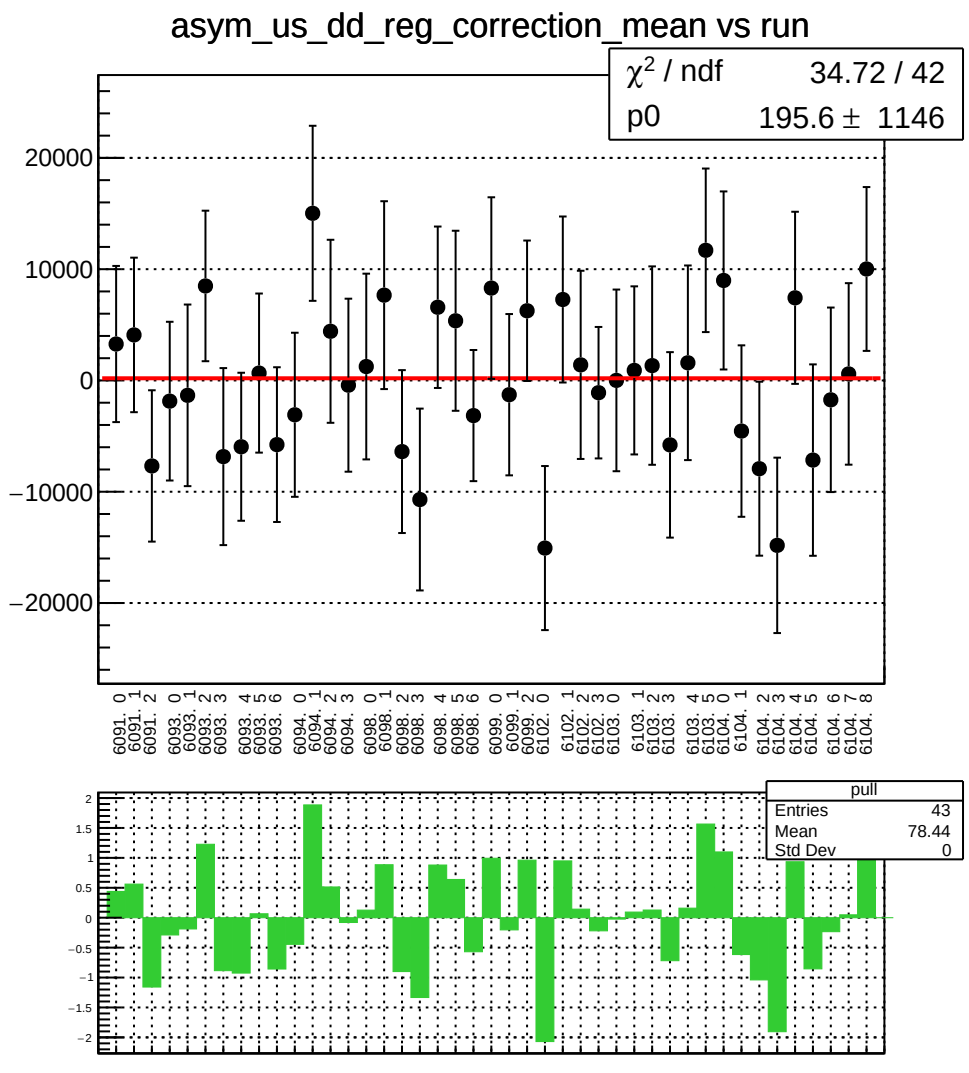


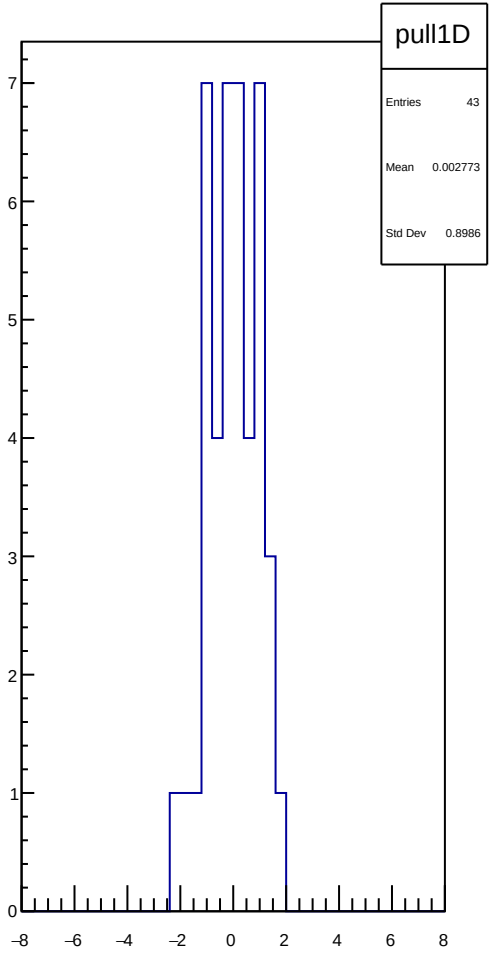

asym_us_avg_overload_cor_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.513e+04 / 42
p0 50.53 ± 0.05606
80
70
60
50
40
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

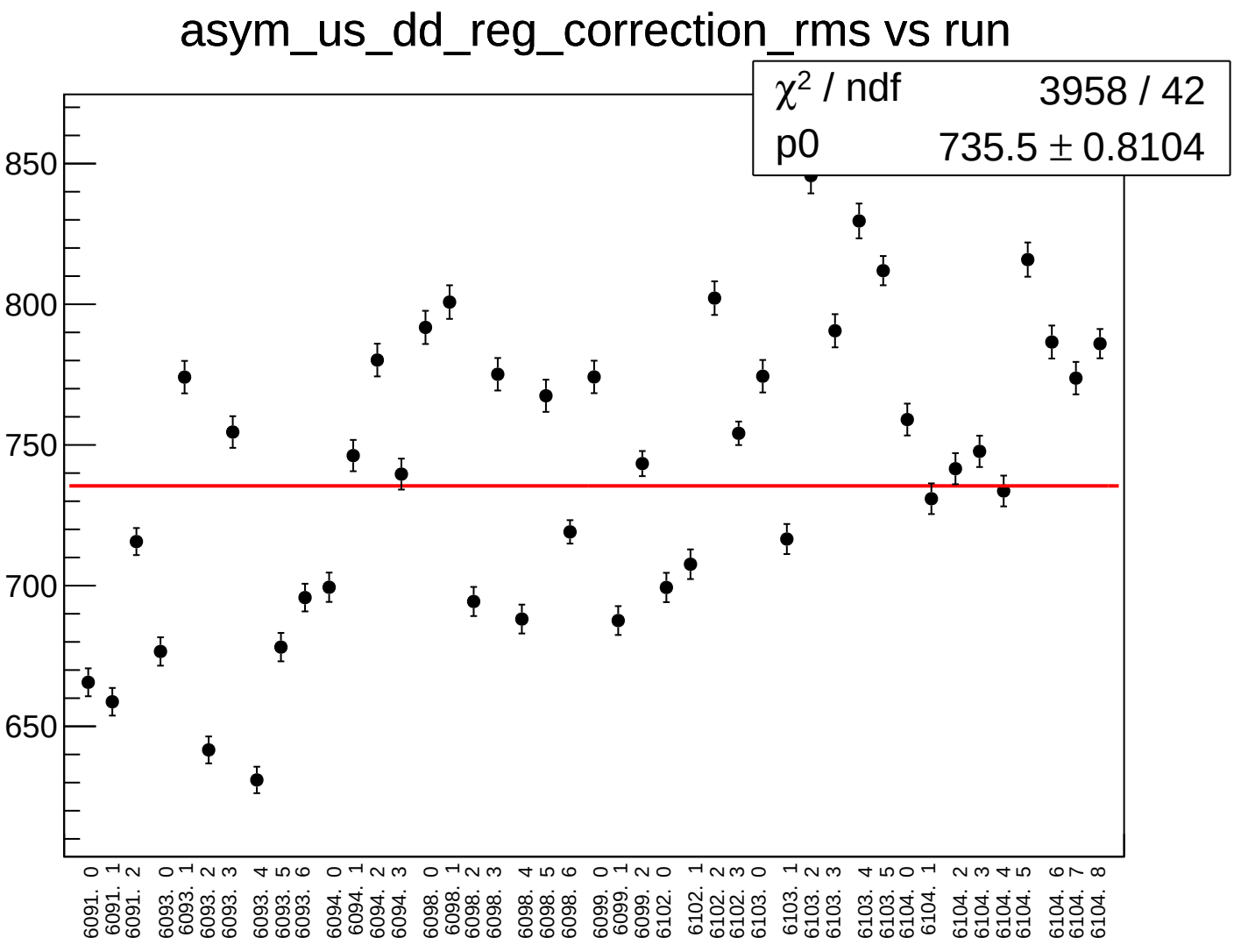

reg_asym_us_dd_mean vs run
χ² / ndf 49.44 / 42
p0 399.8 ± 1229
30000
20000
10000
0
−10000
−20000
−30000
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean −270
Std Dev 0
2
1
0
−1
−2

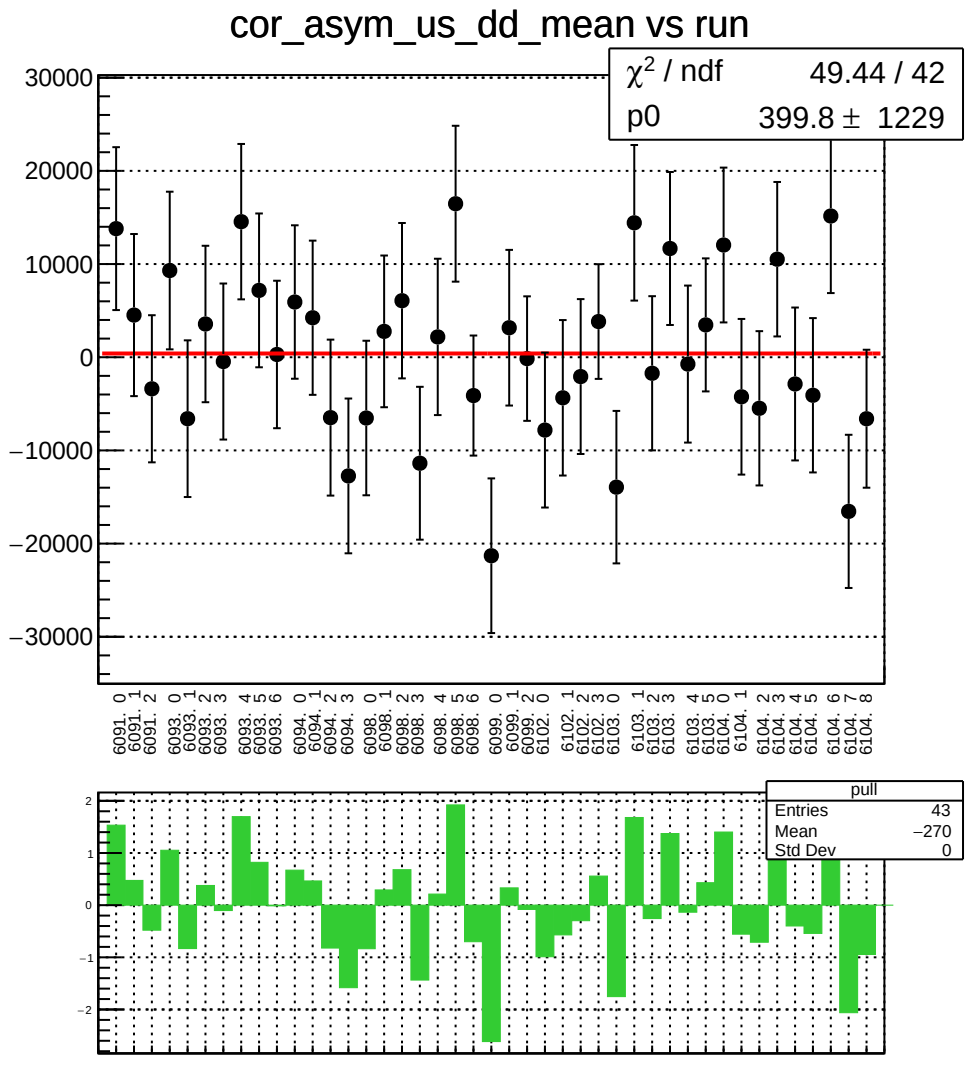

pull1D
Entries 43
Mean 0.006125
Std Dev 1.072
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

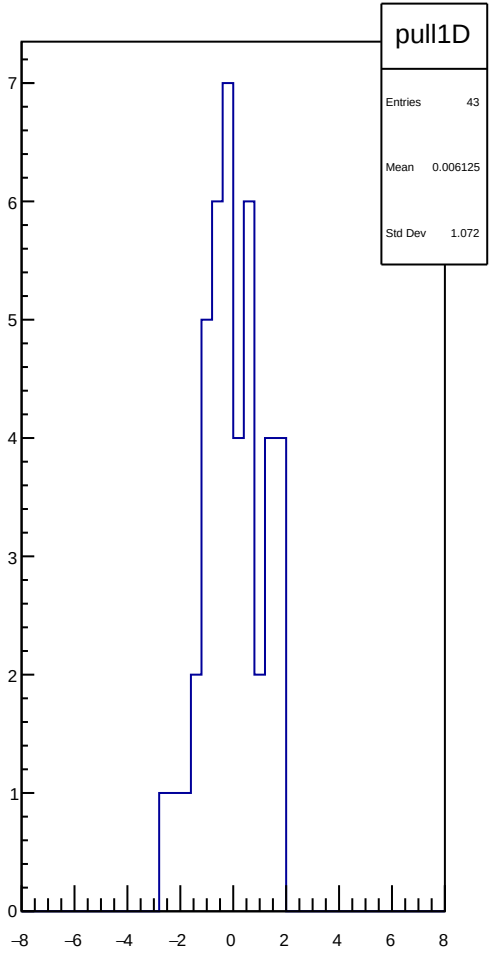

reg_asym_us_dd_rms vs run
χ² / ndf 179.5 / 42
p0 790.5 ± 0.869
840
830
820
810
800
790
780
770
760
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

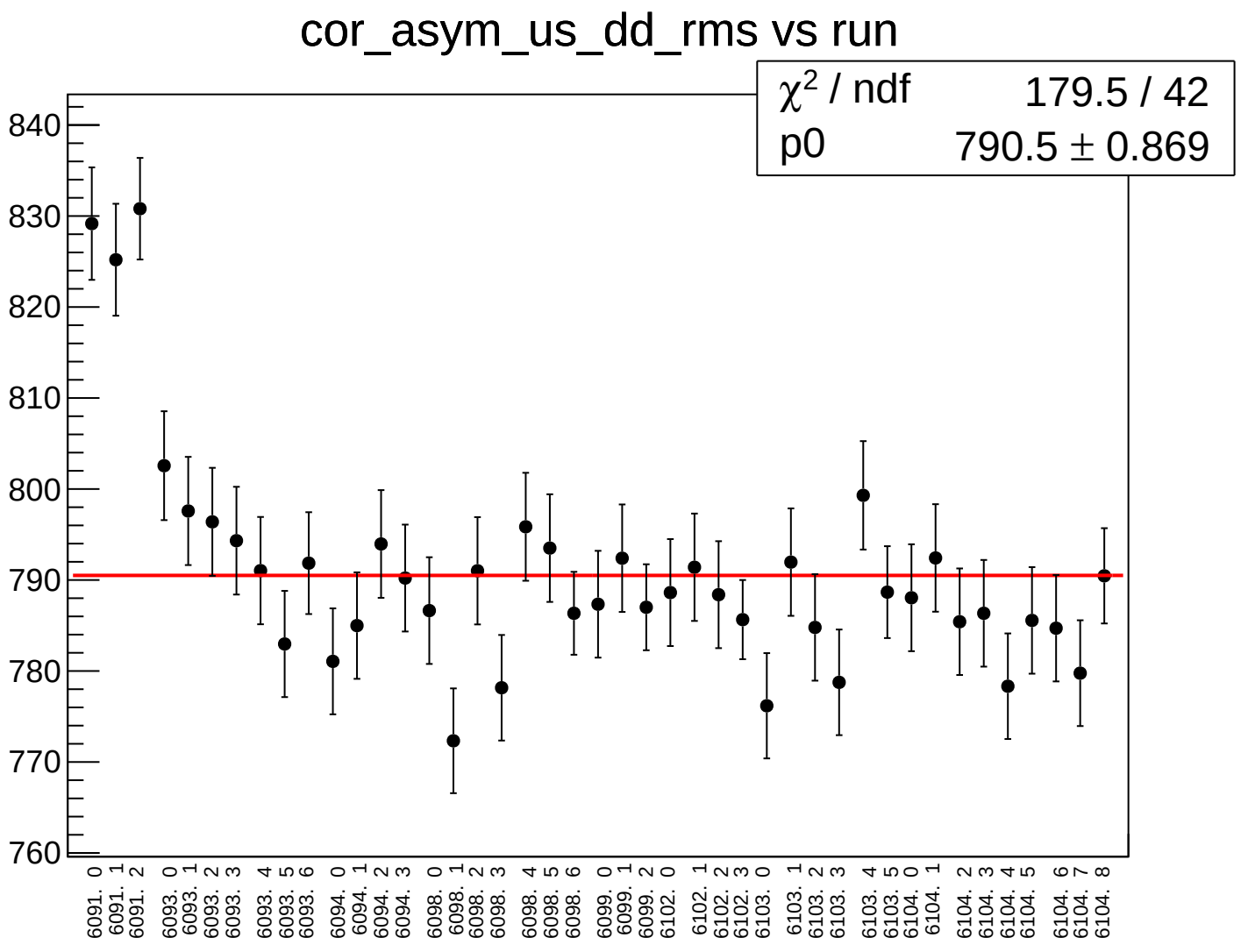

asym_us_dd_reg_correction_mean vs run
χ² / ndf 34.72 / 42
p0 195.6 ± 1146
20000
10000
0
−10000
−20000
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 78.44
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

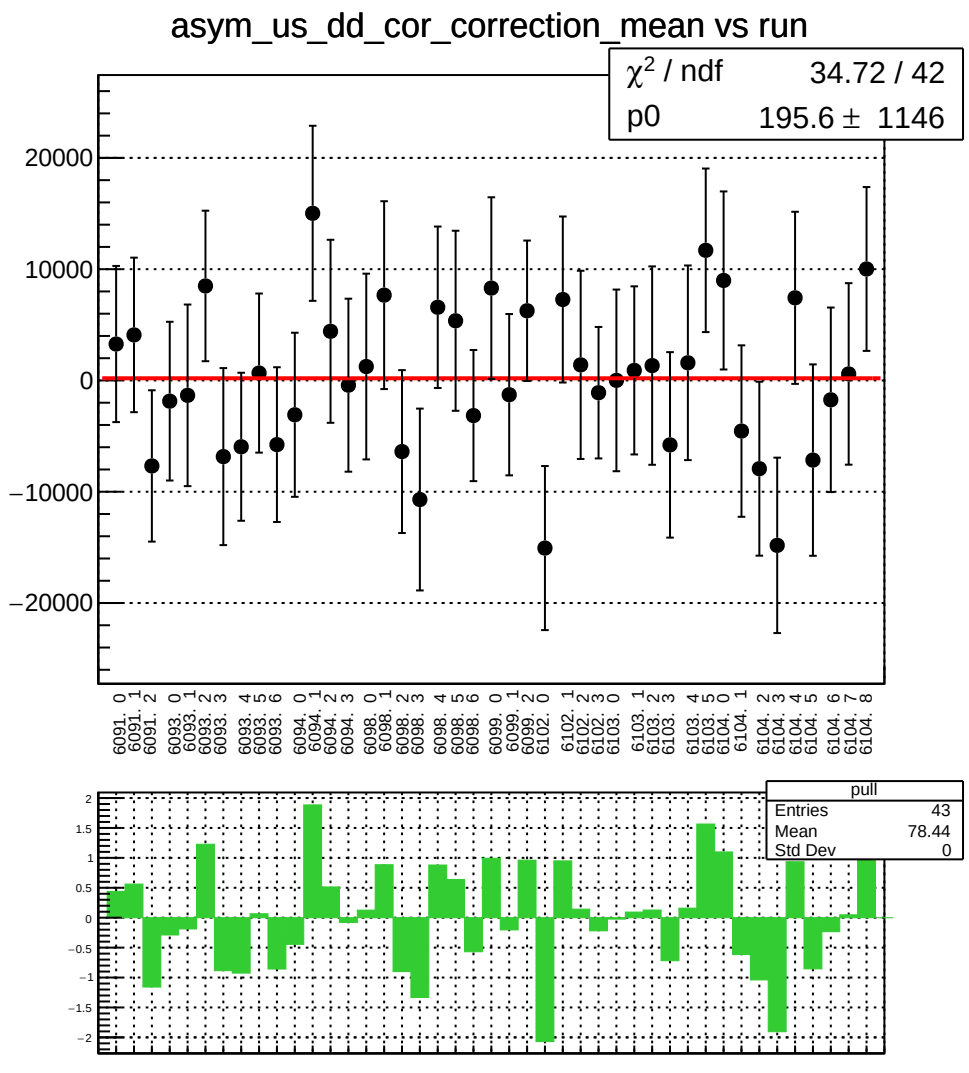

pull1D
Entries 43
Mean 0.002773
Std Dev 0.8986
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

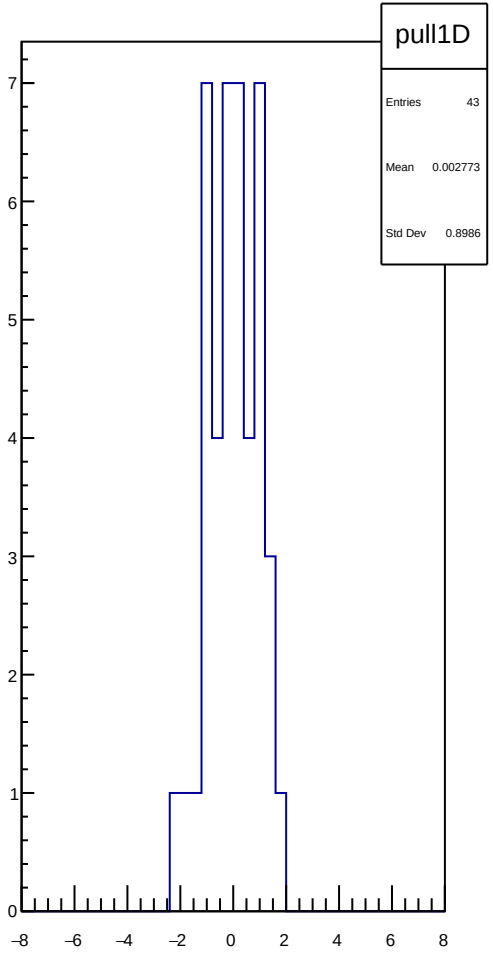

asym_us_dd_reg_correction_rms vs run
χ² / ndf 3958 / 42
p0 735.5 ± 0.8104
850
800
750
700
650
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

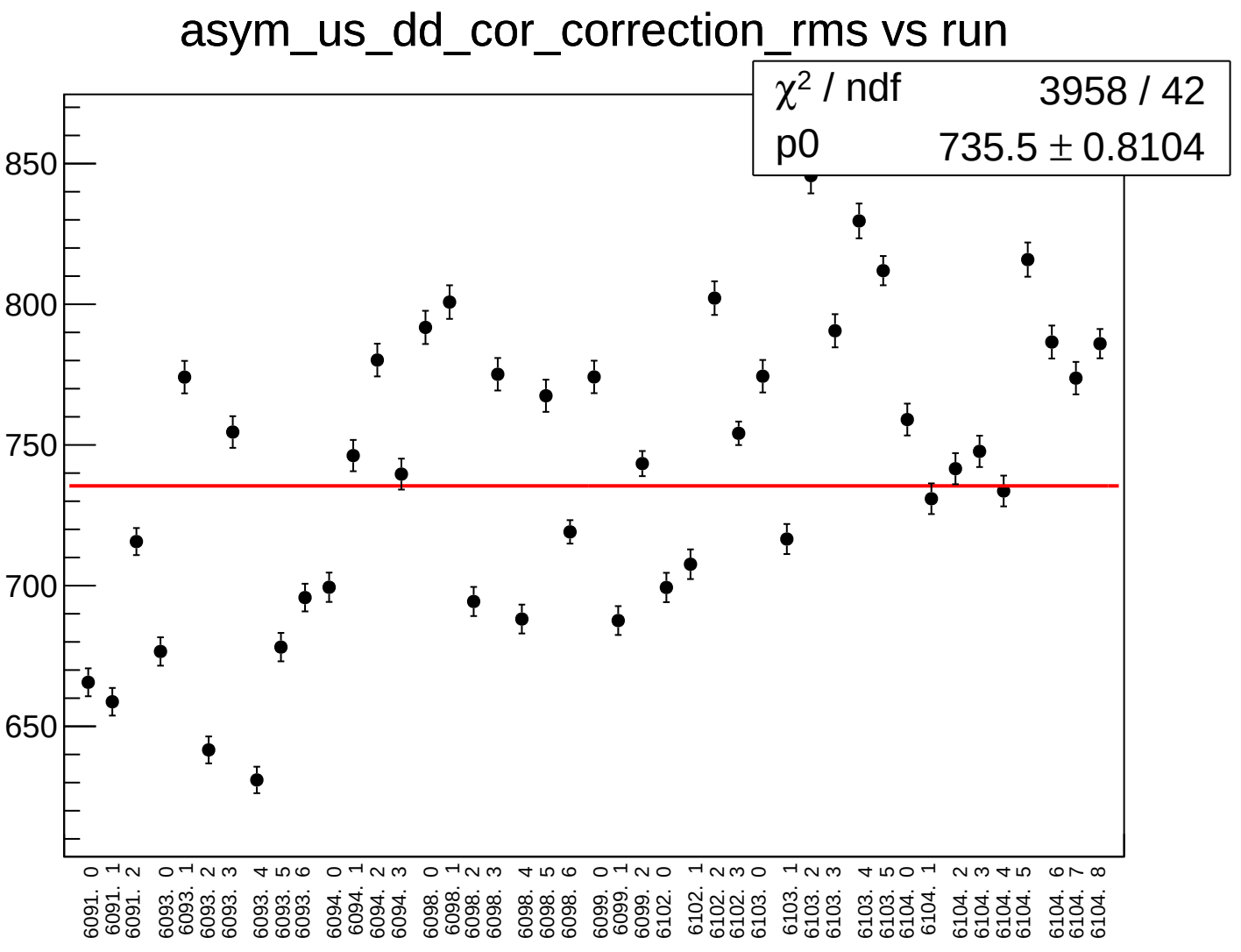

cor_asym_us_dd_mean vs run
χ² / ndf 49.44 / 42
p0 399.8 ± 1229
30000
20000
10000
0
−10000
−20000
−30000
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean −270
Std Dev 0
2
1
0
−1
−2

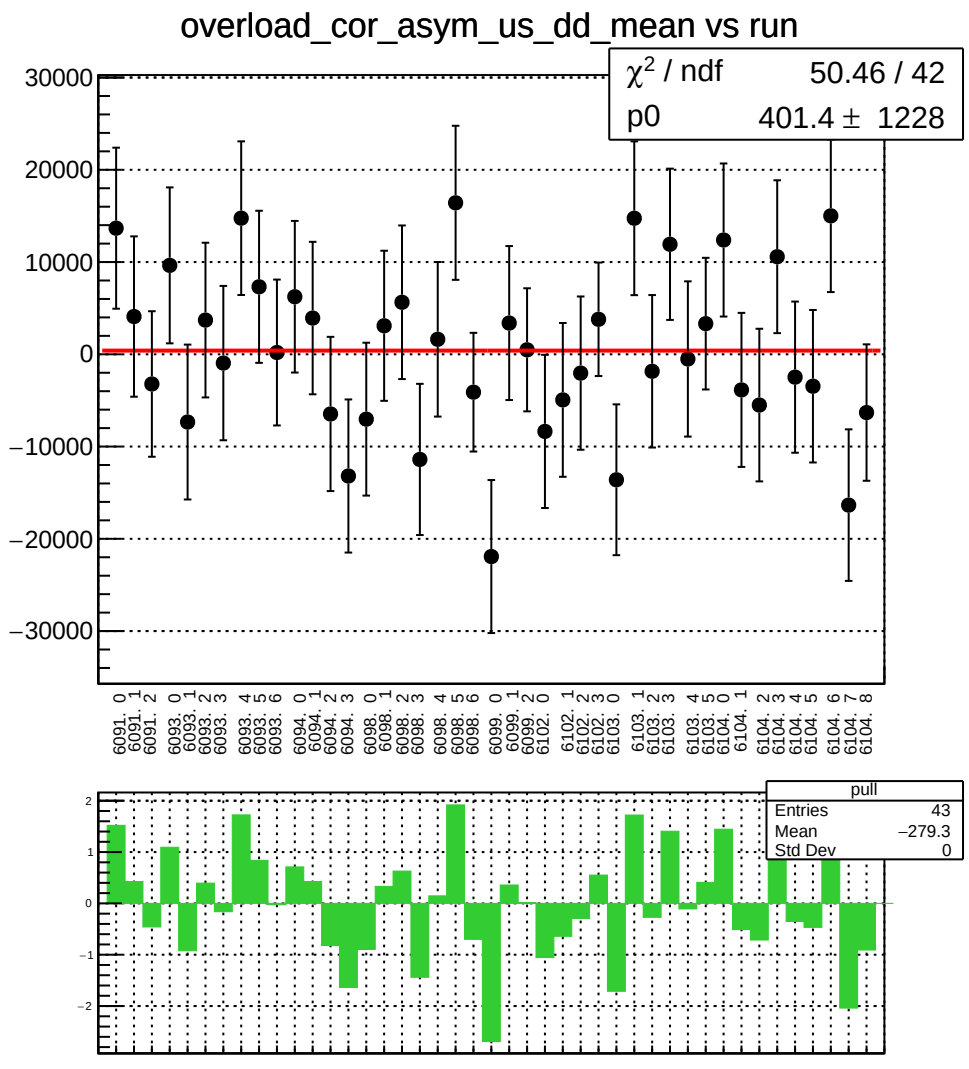

pull1D
Entries 43
Mean 0.006125
Std Dev 1.072
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


cor_asym_us_dd_rms vs run
χ² / ndf 179.5 / 42
p0 790.5 ± 0.869
840
830
820
810
800
790
780
770
760
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8


asym_us_dd_cor_correction_mean vs run
χ² / ndf 34.72 / 42
p0 195.6 ± 1146
20000
10000
0
−10000
−20000
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 78.44
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2


pull1D
Entries 43
Mean 0.002773
Std Dev 0.8986
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


asym_us_dd_cor_correction_rms vs run
χ² / ndf 3958 / 42
p0 735.5 ± 0.8104
850
800
750
700
650
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8


overload_cor_asym_us_dd_mean vs run
χ² / ndf 50.46 / 42
p0 401.4 ± 1228
30000
20000
10000
0
−10000
−20000
−30000
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
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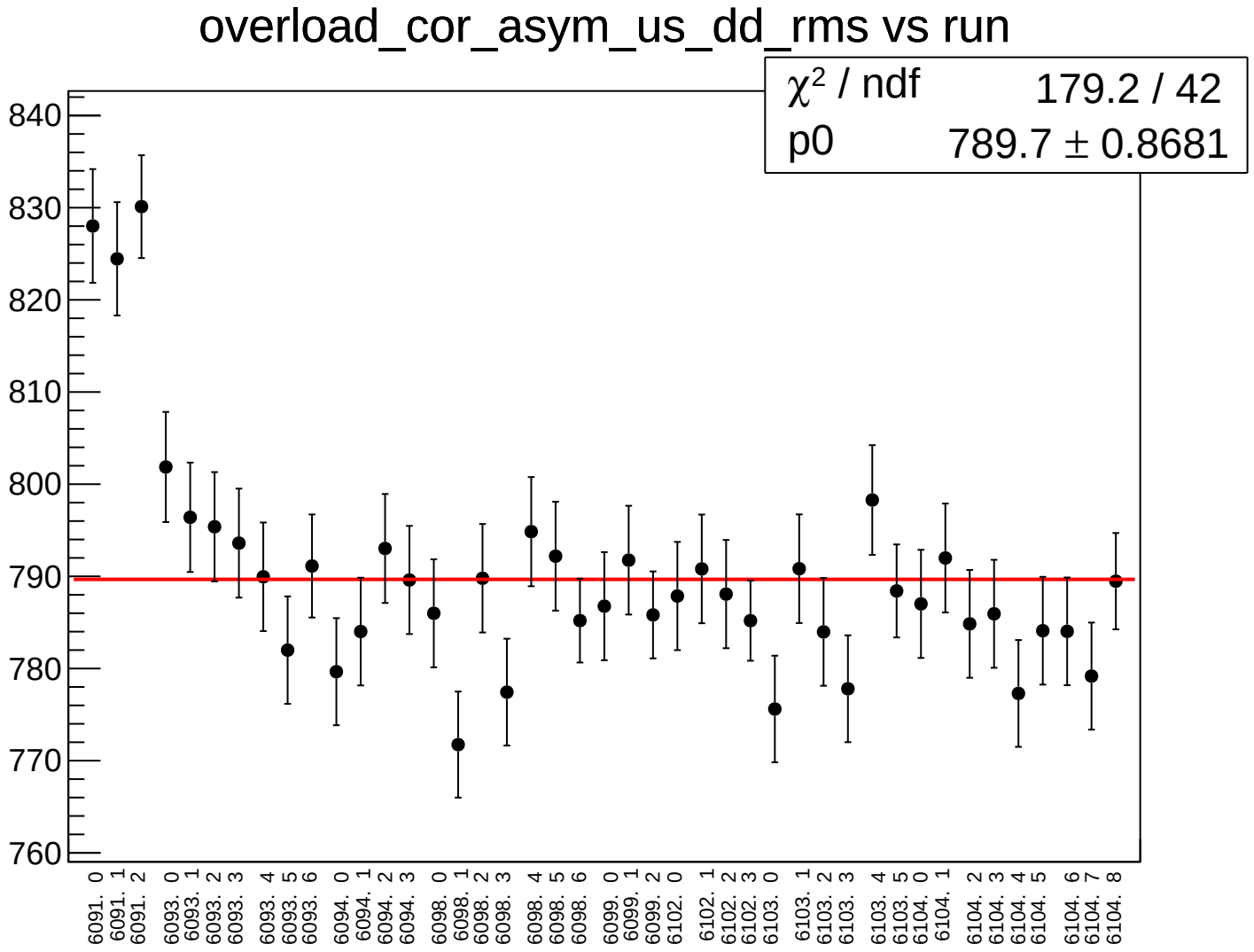
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean −279.3
Std Dev 0
2
1
0
−1
−2
pull1D
Entries 43
Mean 0.005335
Std Dev 1.083
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


overload_cor_asym_us_dd_rms vs run
χ² / ndf 179.2 / 42
p0 789.7 ± 0.8681
840
830
820
810
800
790
780
770
760
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
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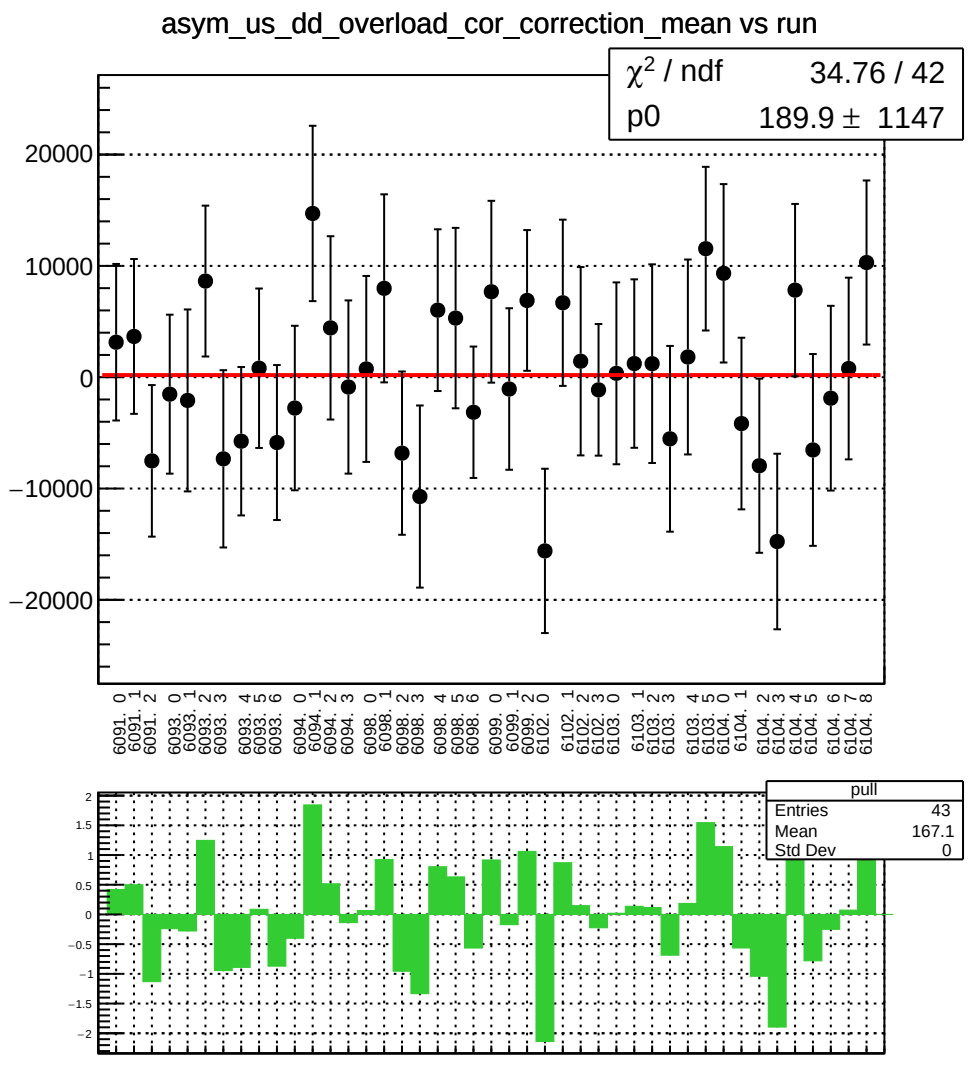
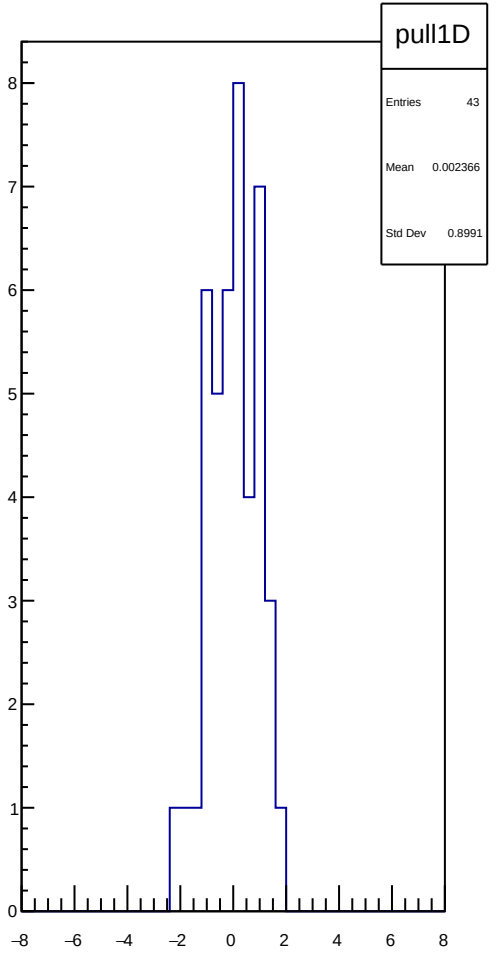
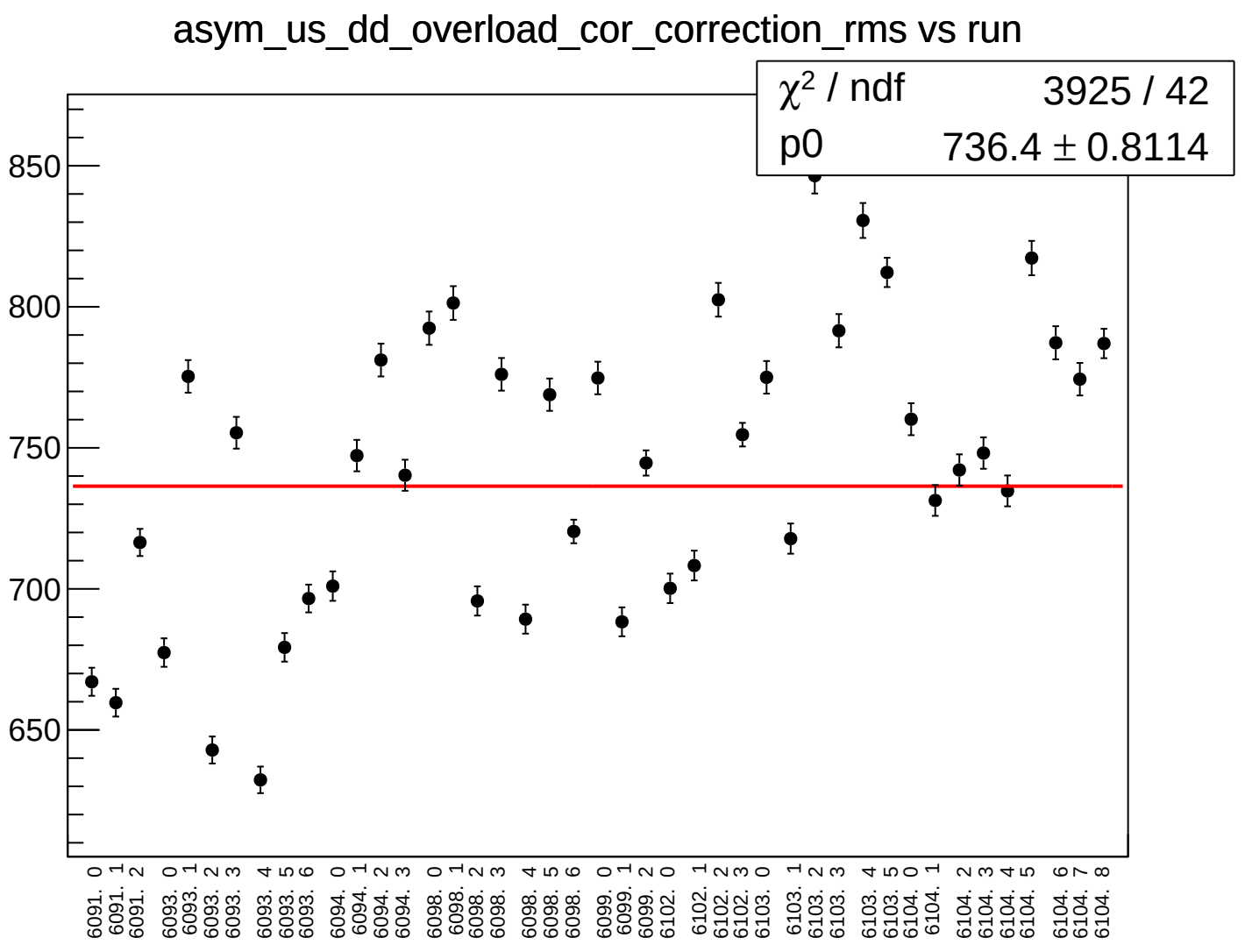
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8


asym_us_dd_overload_cor_correction_mean vs run
χ² / ndf 34.76 / 42
p0 189.9 ± 1147
20000
10000
0
−10000
−20000
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 167.1
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2


pull1D
Entries 43
Mean 0.002366
Std Dev 0.8991
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


asym_us_dd_overload_cor_correction_rms vs run
χ² / ndf 3925 / 42
p0 736.4 ± 0.8114
850
800
750
700
650
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
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6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
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6098. 6
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6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
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6104. 1
6104. 2
6104. 3
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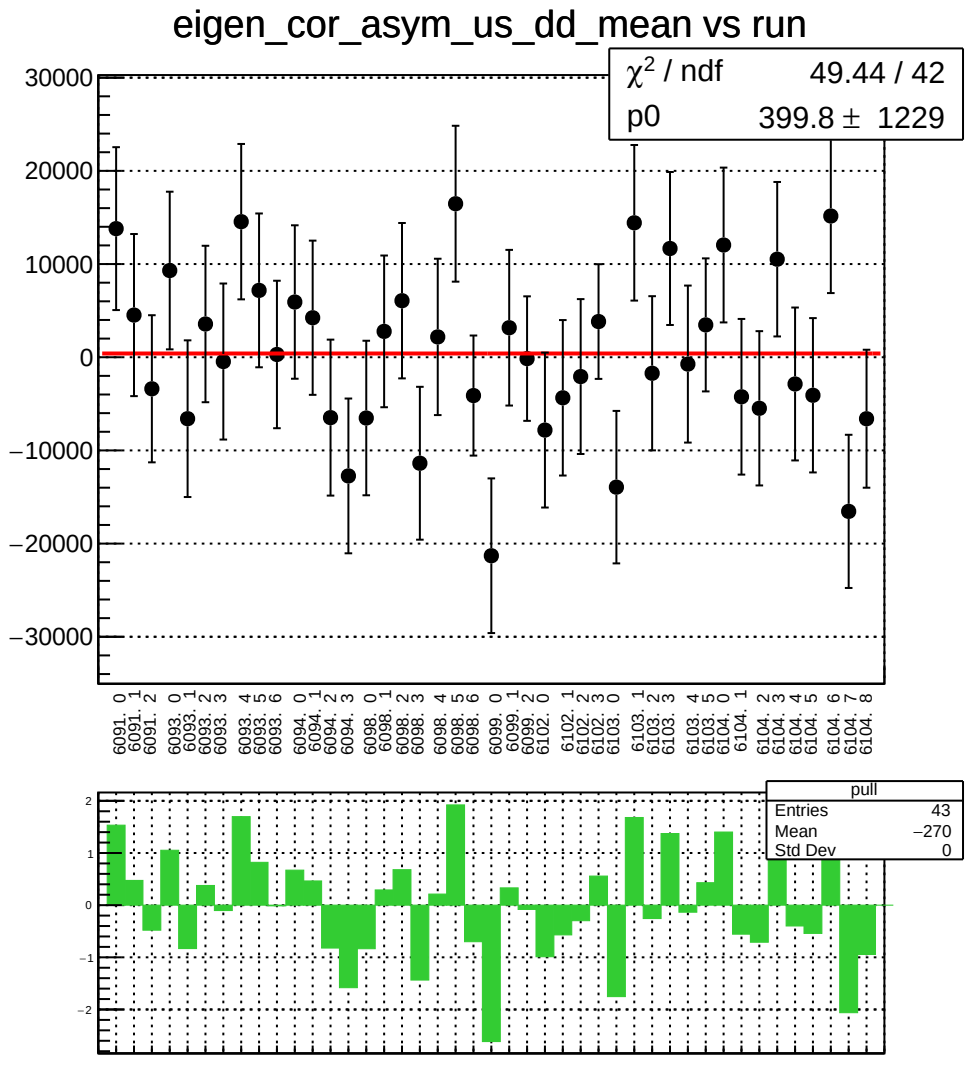
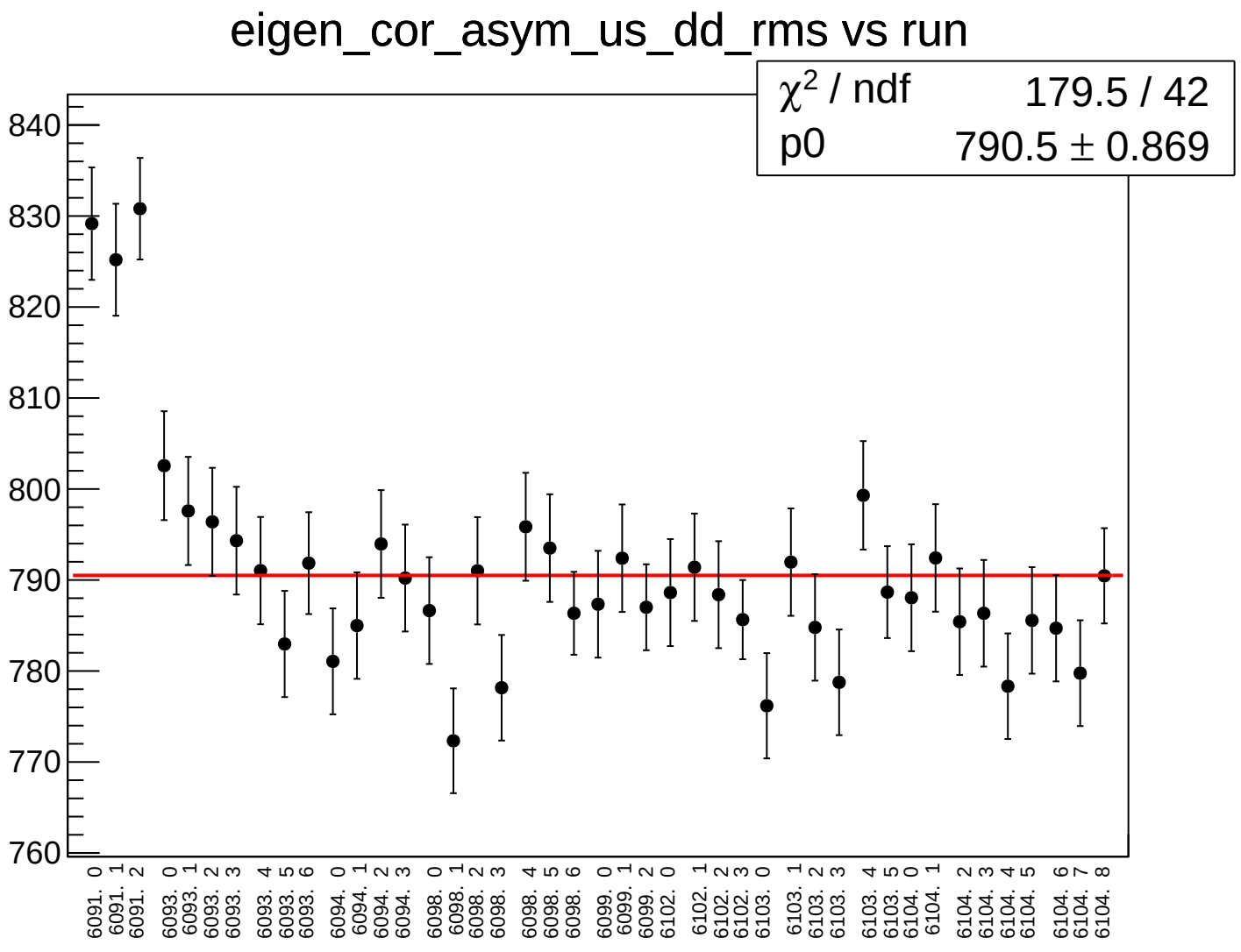
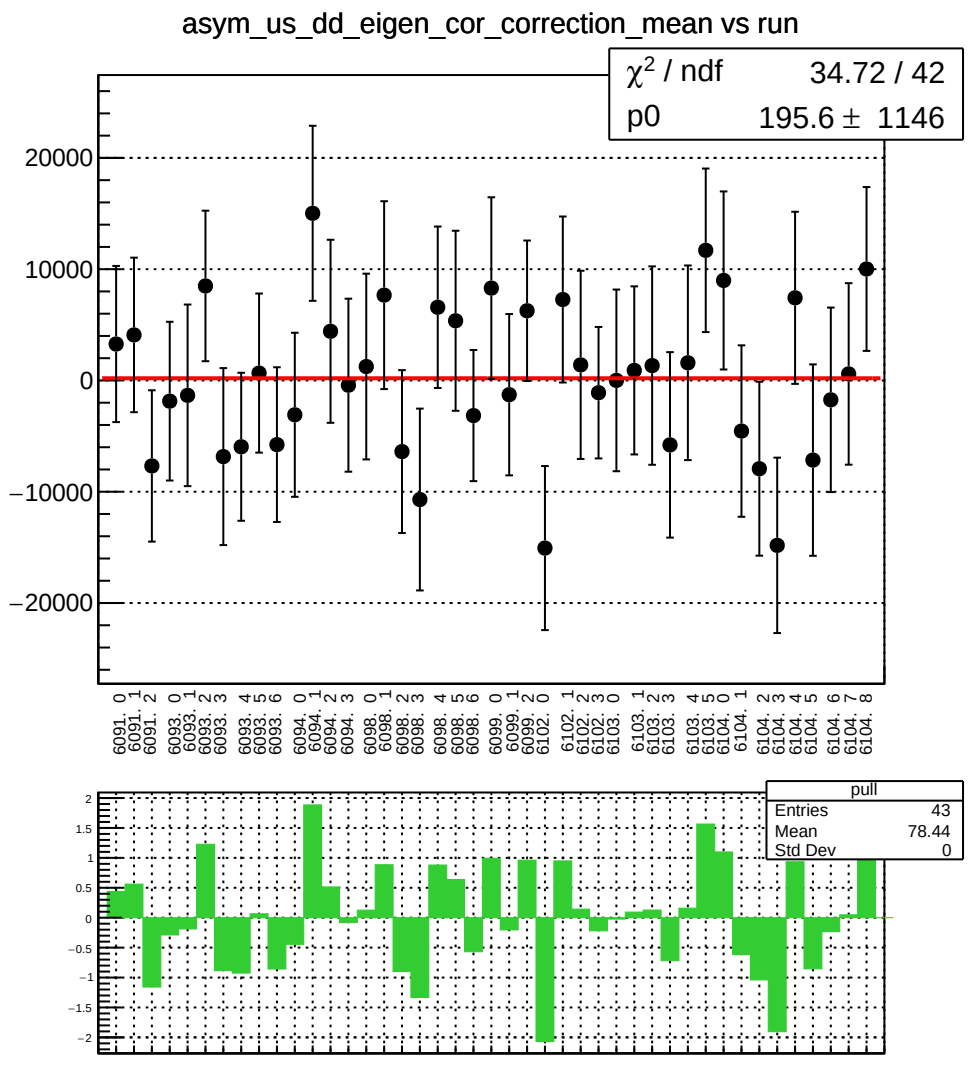
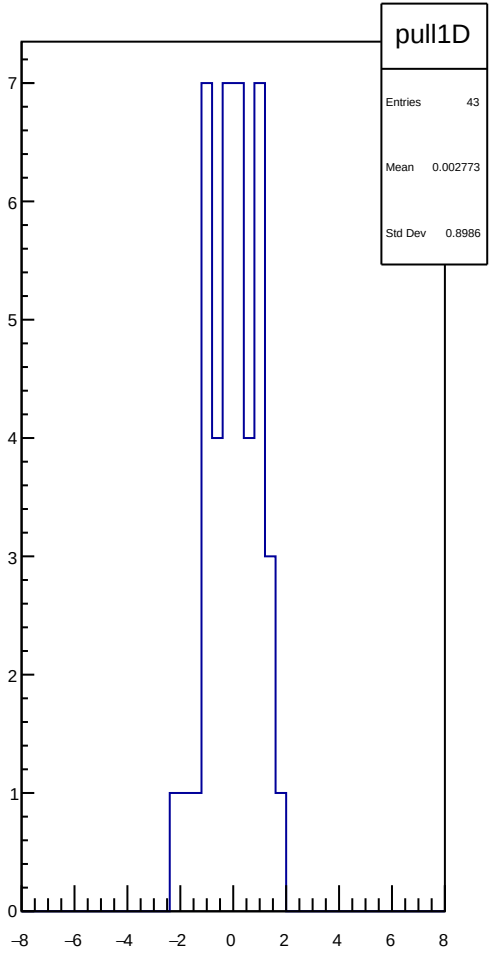
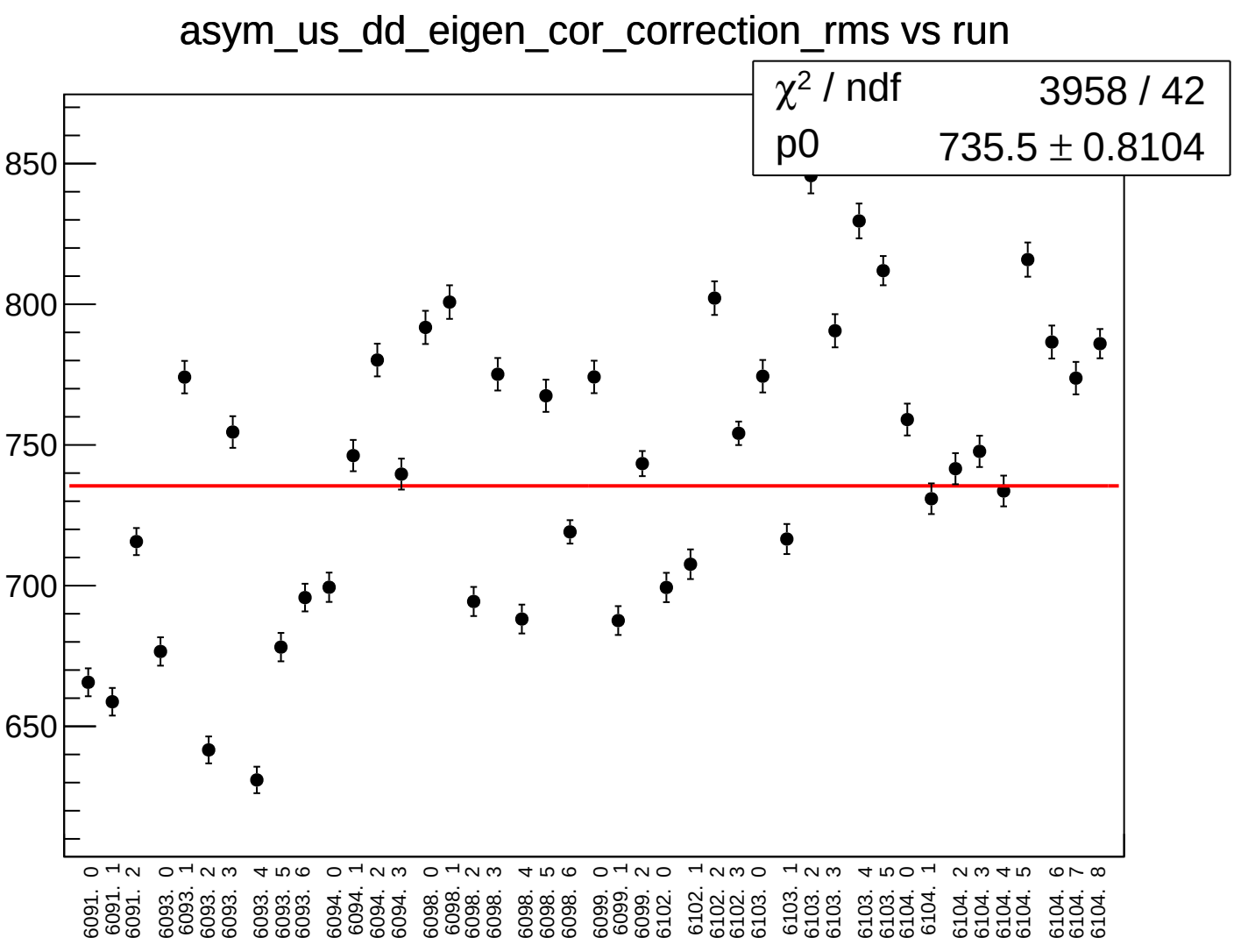
6104. 5
6104. 6
6104. 7
6104. 8

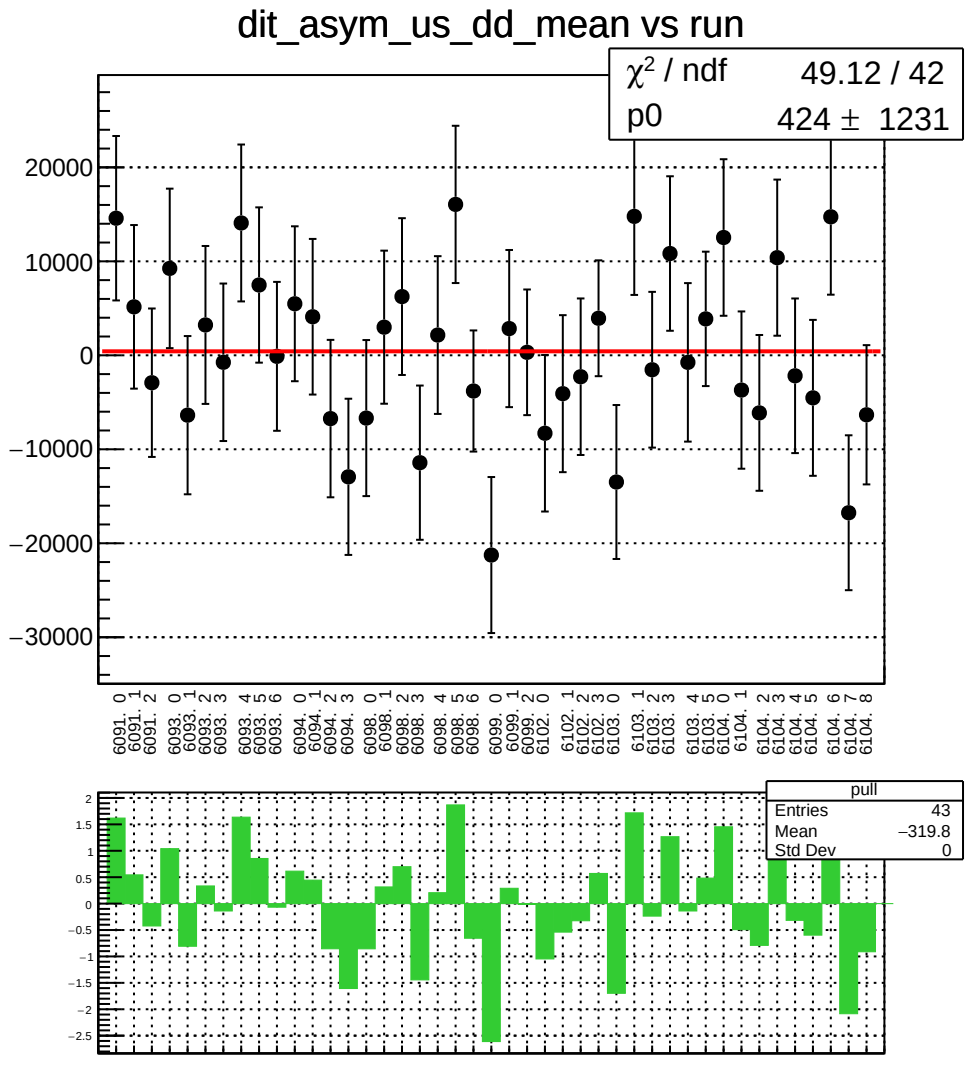

eigen_cor_asym_us_dd_mean vs run
χ² / ndf 49.44 / 42
p0 399.8 ± 1229
30000
20000
10000
0
−10000
−20000
−30000
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean −270
Std Dev 0
2
1
0
−1
−2
pull1D
Entries 43
Mean 0.006125
Std Dev 1.072
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

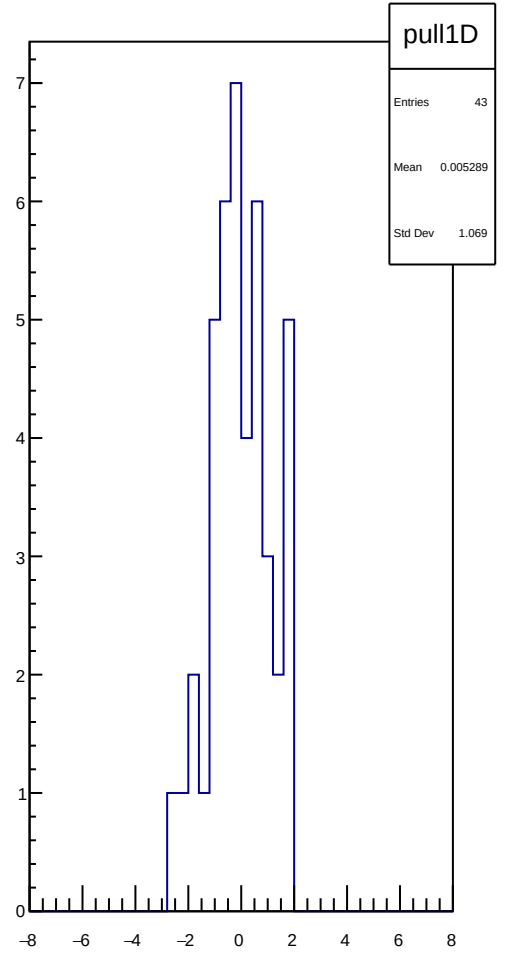

eigen_cor_asym_us_dd_rms vs run
χ² / ndf 179.5 / 42
p0 790.5 ± 0.869
840
830
820
810
800
790
780
770
760
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

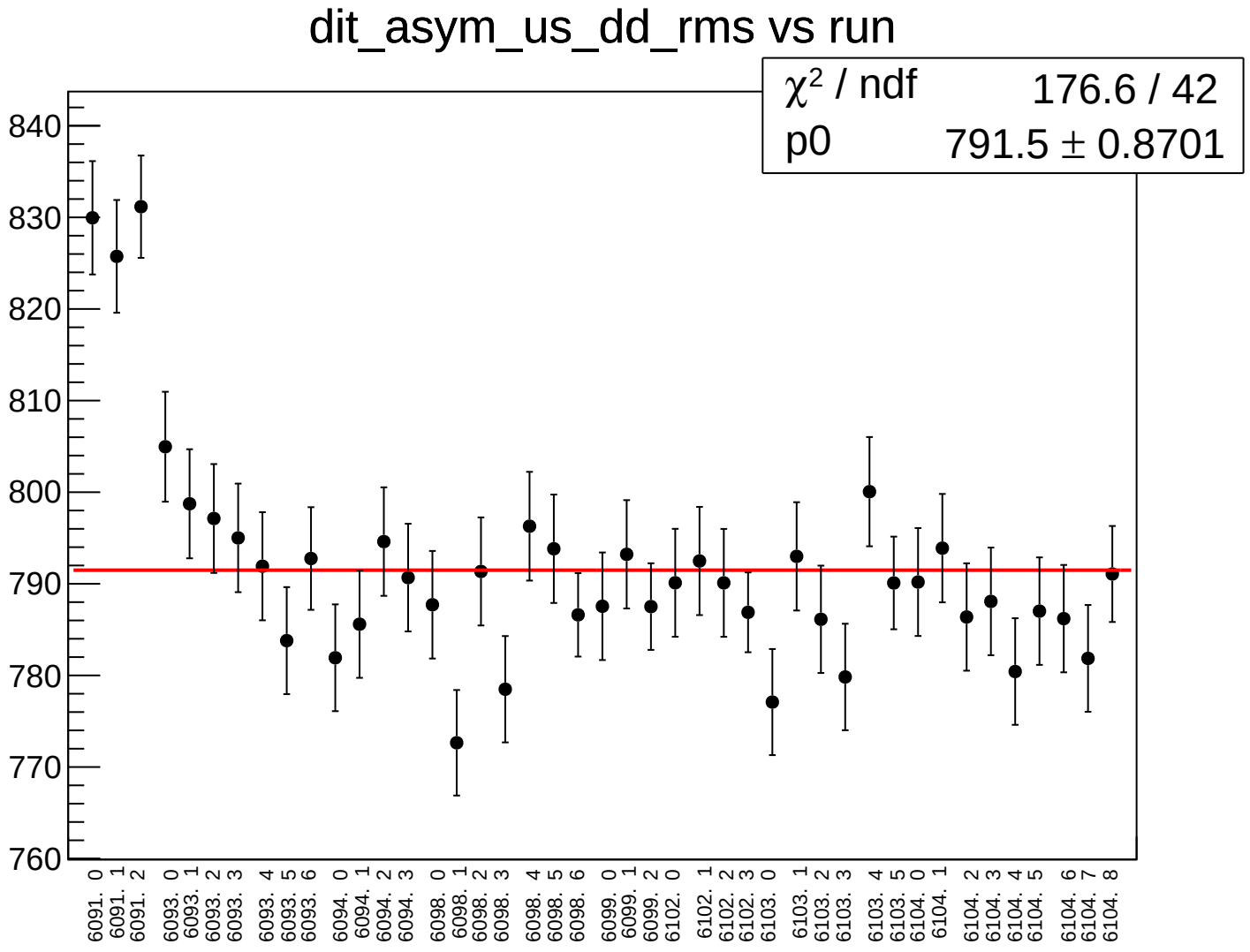

asym_us_dd_eigen_cor_correction_mean vs run
χ² / ndf 34.72 / 42
p0 195.6 ± 1146
20000
10000
0
−10000
−20000
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 78.44
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2


pull1D
Entries 43
Mean 0.002773
Std Dev 0.8986
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


asym_us_dd_eigen_cor_correction_rms vs run
χ² / ndf 3958 / 42
p0 735.5 ± 0.8104
850
800
750
700
650
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8


dit_asym_us_dd_mean vs run
χ² / ndf 49.12 / 42
p0 424 ± 1231
20000
10000
0
−10000
−20000
−30000
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean −319.8
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5


pull1D
Entries 43
Mean 0.005289
Std Dev 1.069
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


dit_asym_us_dd_rms vs run
χ² / ndf 176.6 / 42
p0 791.5 ± 0.8701
840
830
820
810
800
790
780
770
760
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
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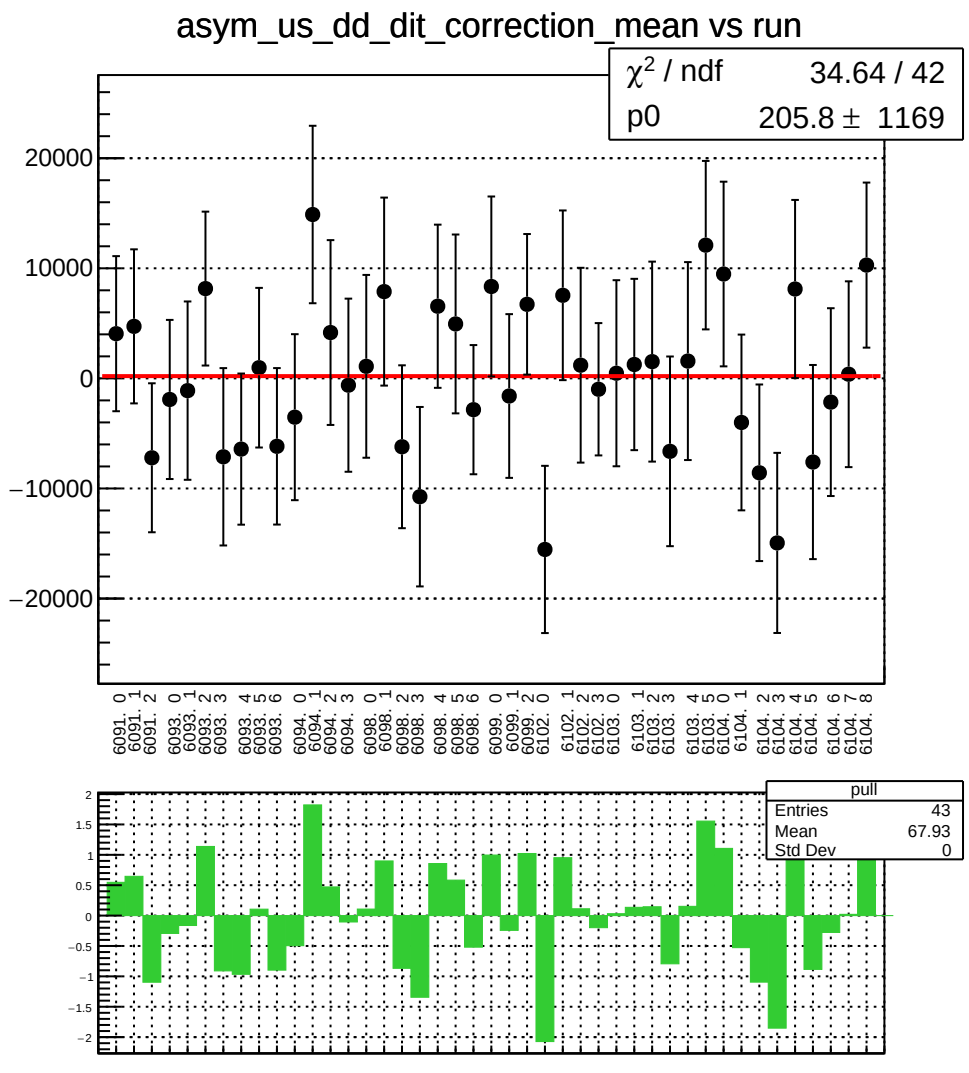
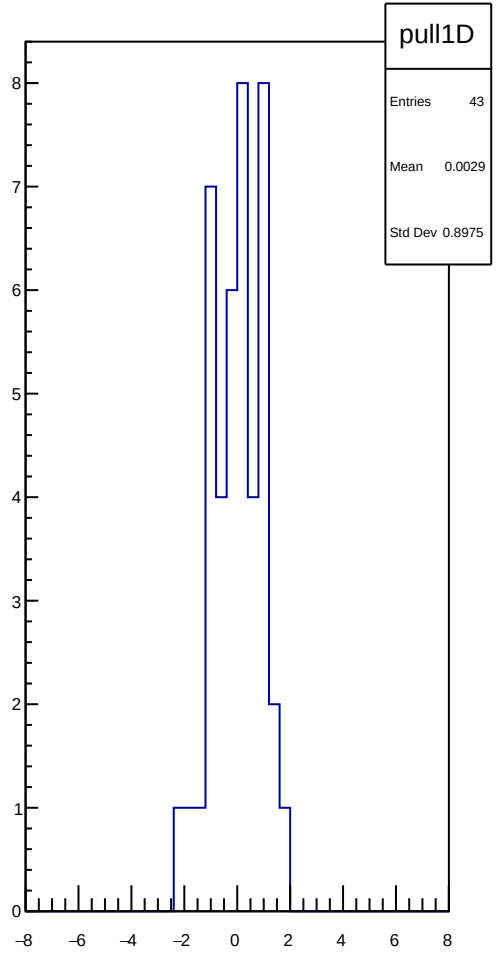
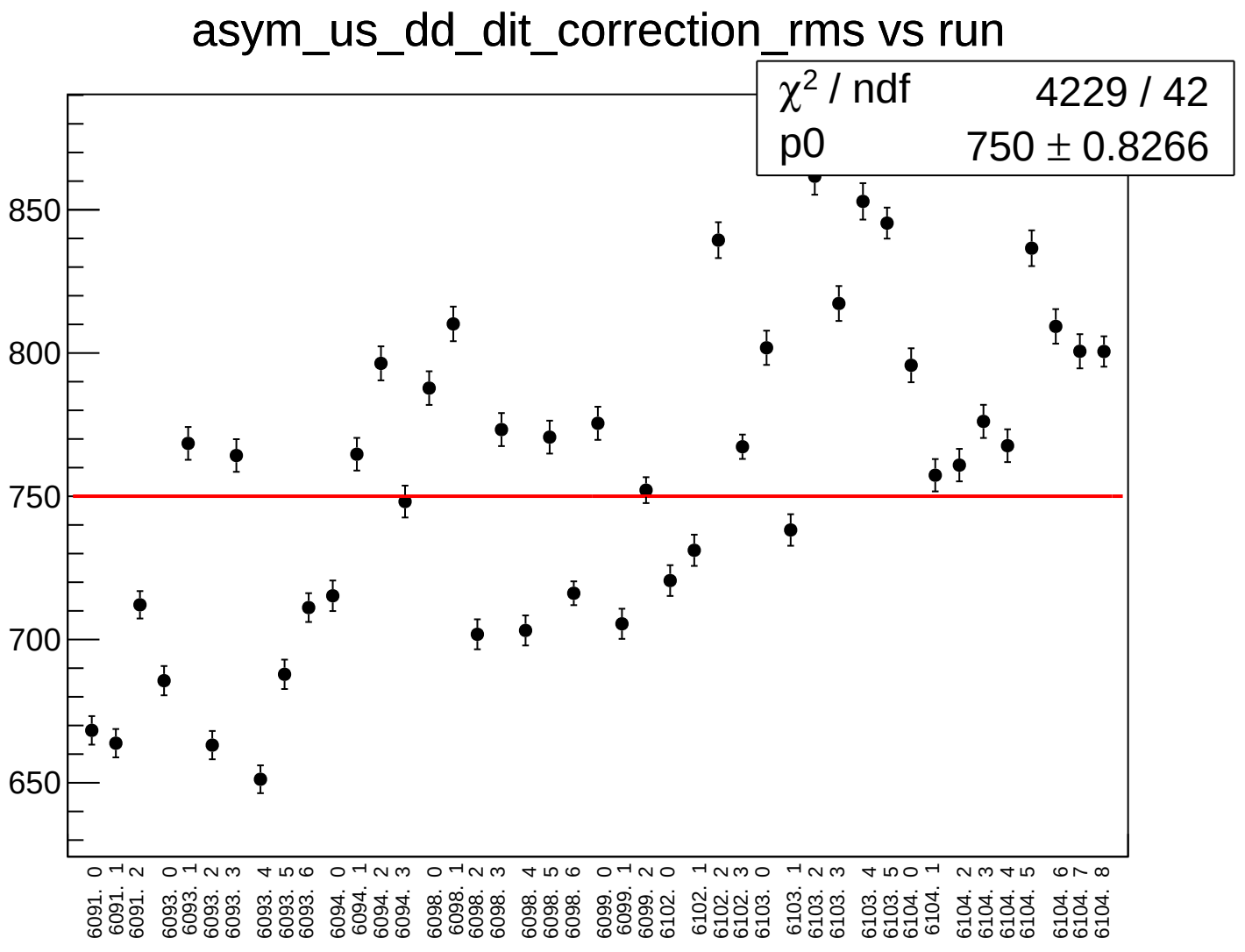
6104. 7
6104. 8


asym_us_dd_dit_correction_mean vs run
χ² / ndf 34.64 / 42
p0 205.8 ± 1169
20000
10000
0
−10000
−20000
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 67.93
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2


pull1D
Entries 43
Mean 0.0029
Std Dev 0.8975
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


asym_us_dd_dit_correction_rms vs run
χ² / ndf 4229 / 42
p0 750 ± 0.8266
850
800
750
700
650
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
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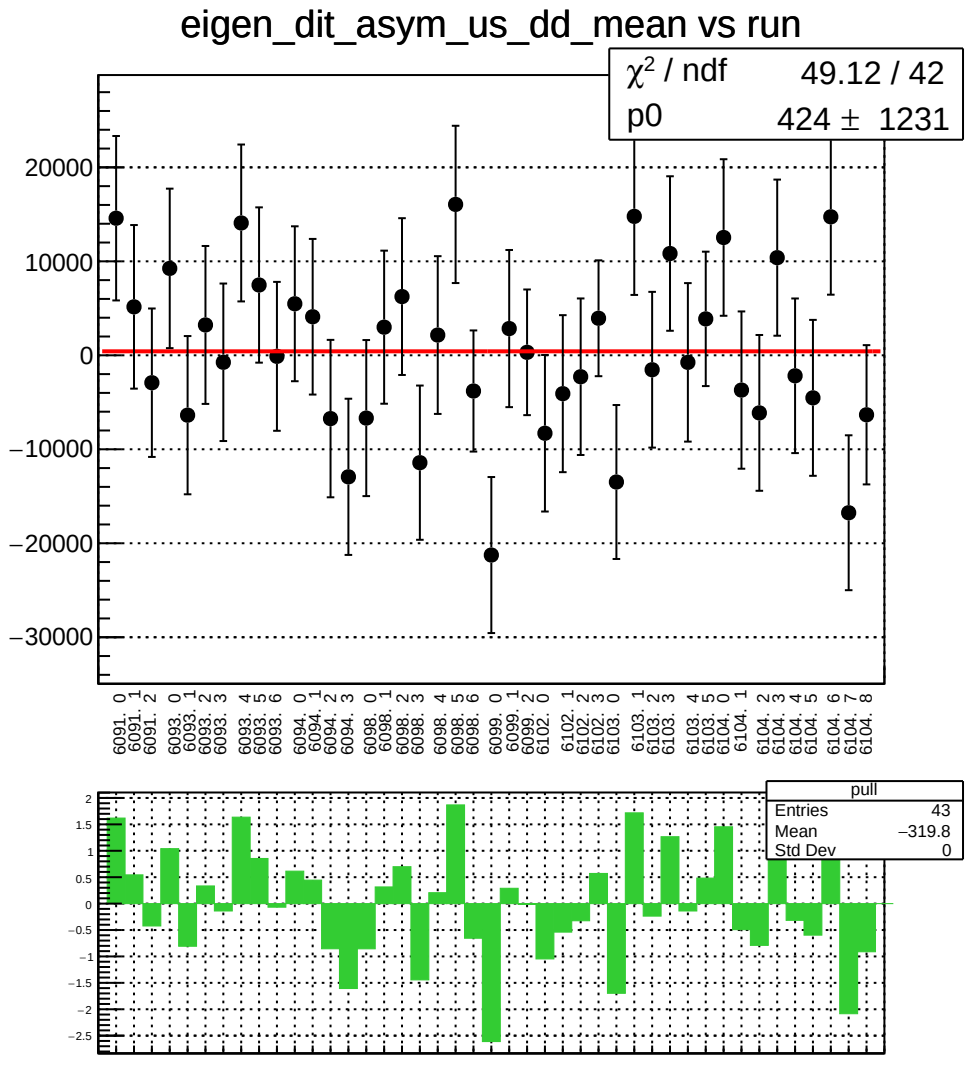
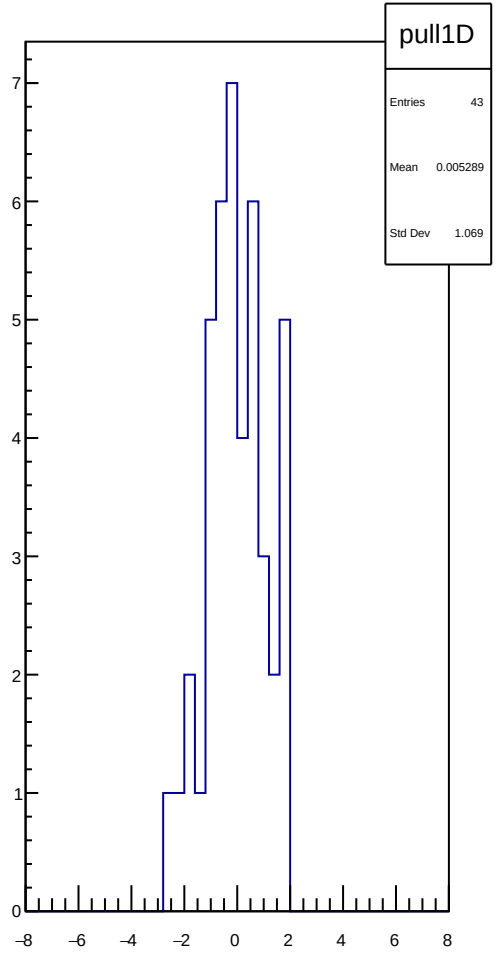
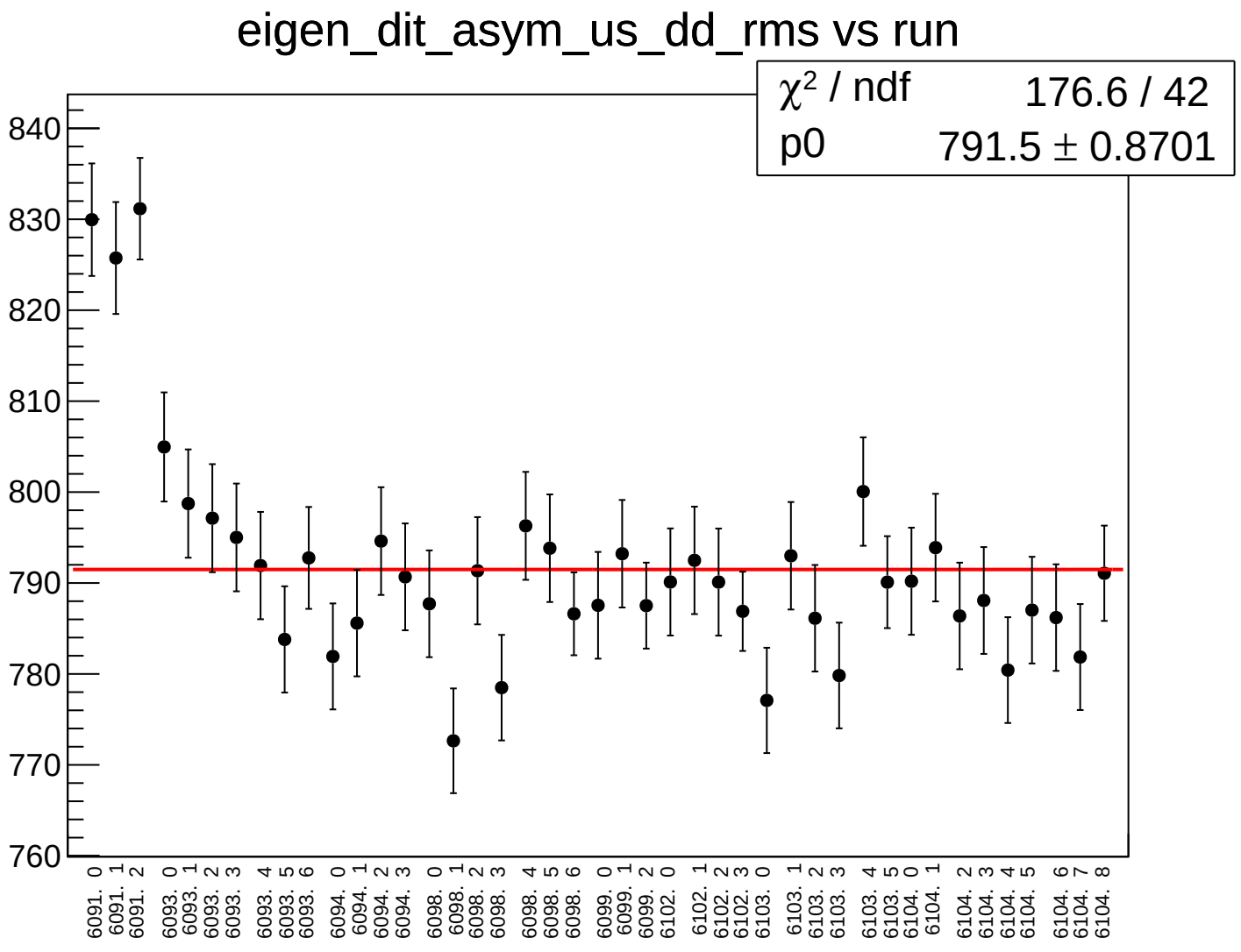
6104. 6
6104. 7
6104. 8


eigen_dit_asym_us_dd_mean vs run
χ² / ndf 49.12 / 42
p0 424 ± 1231
20000
10000
0
−10000
−20000
−30000
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean −319.8
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5


pull1D
Entries 43
Mean 0.005289
Std Dev 1.069
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


eigen_dit_asym_us_dd_rms vs run
χ² / ndf 176.6 / 42
p0 791.5 ± 0.8701
840
830
820
810
800
790
780
770
760
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
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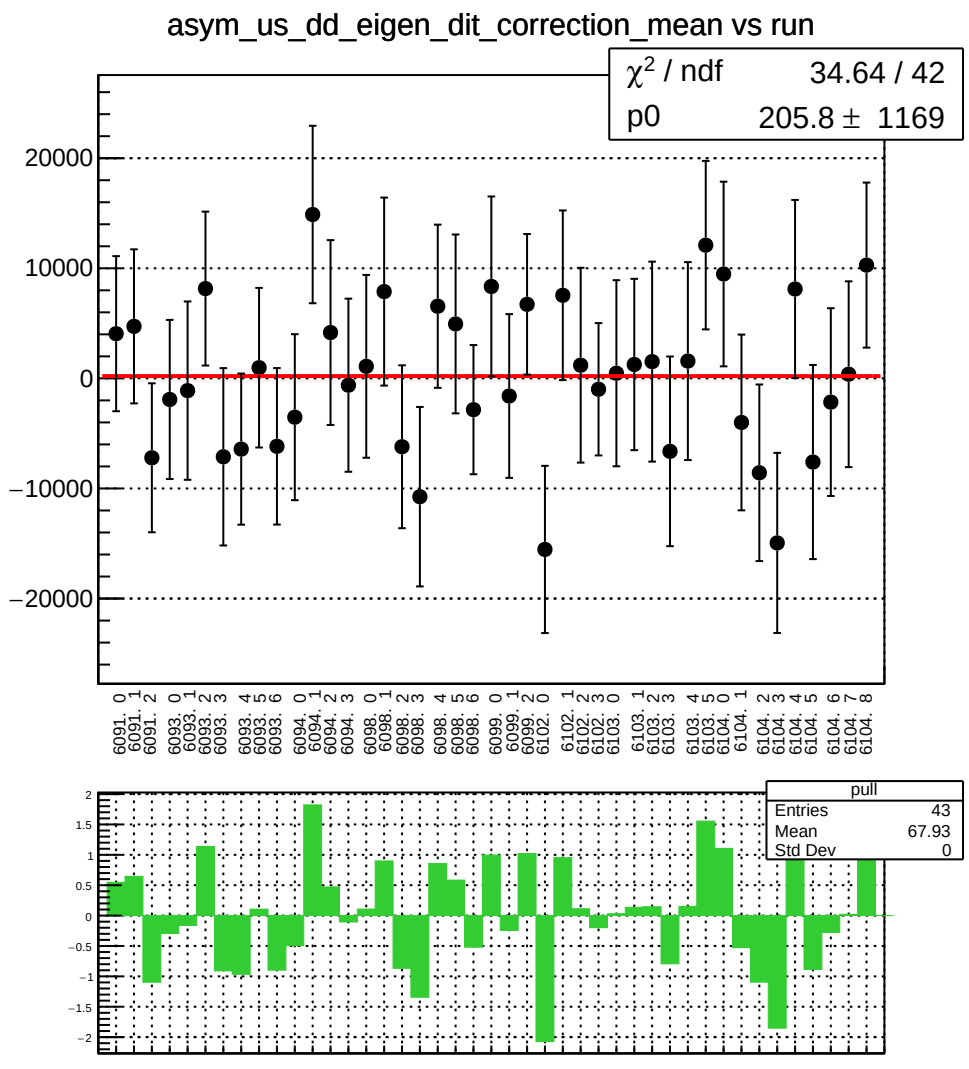
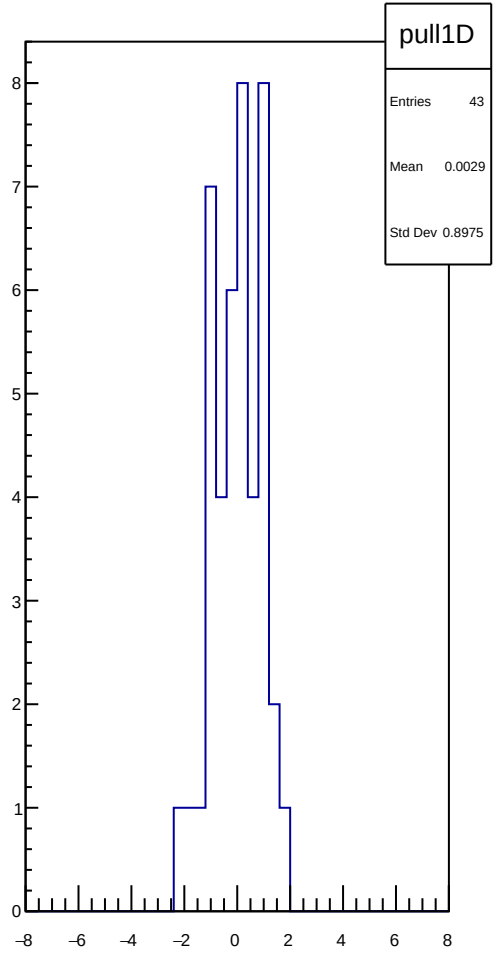
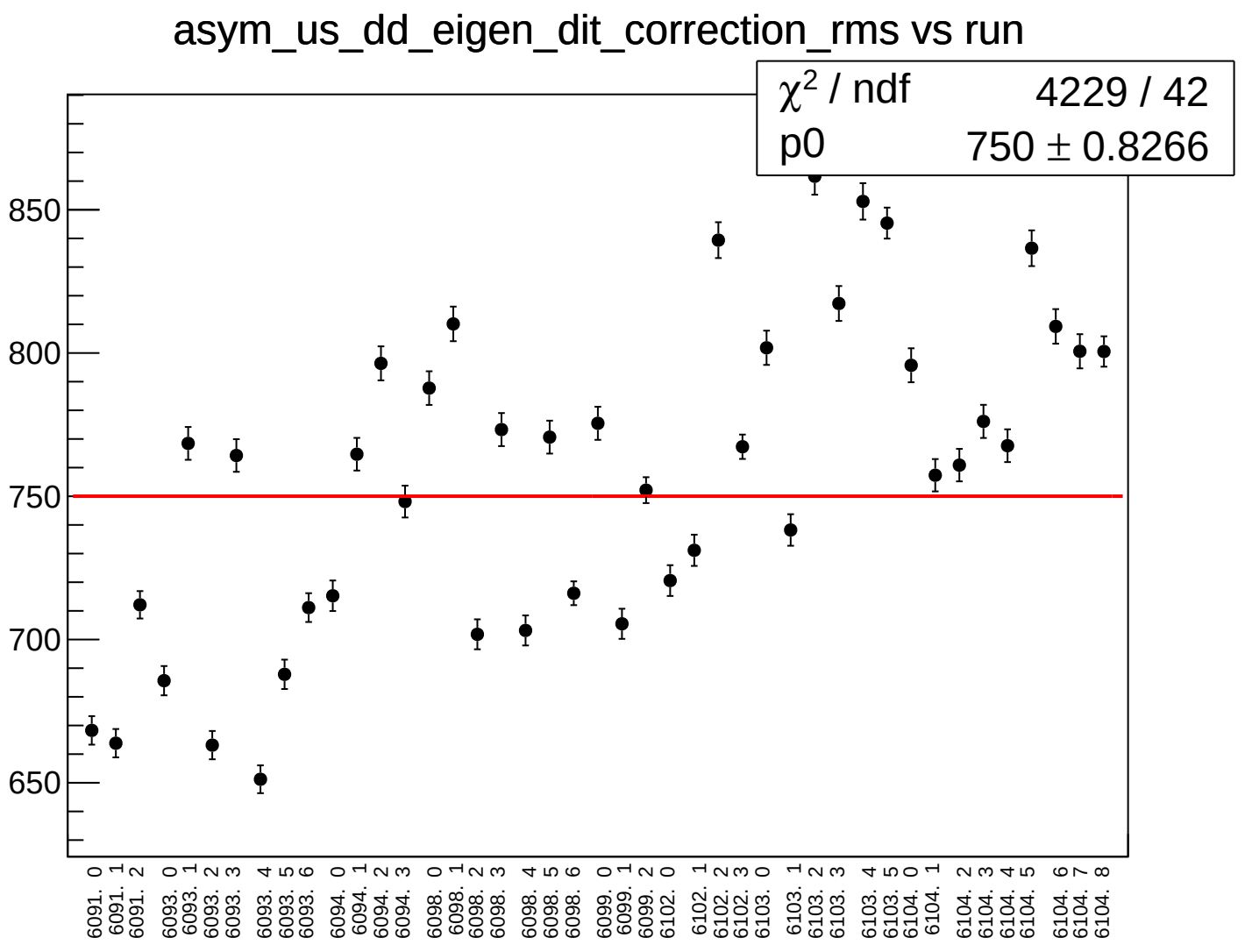
6104. 5
6104. 6
6104. 7
6104. 8


asym_us_dd_eigen_dit_correction_mean vs run
χ² / ndf 34.64 / 42
p0 205.8 ± 1169
20000
10000
0
−10000
−20000
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 67.93
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2


pull1D
Entries 43
Mean 0.0029
Std Dev 0.8975
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


asym_us_dd_eigen_dit_correction_rms vs run
χ² / ndf 4229 / 42
p0 750 ± 0.8266
850
800
750
700
650
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
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6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
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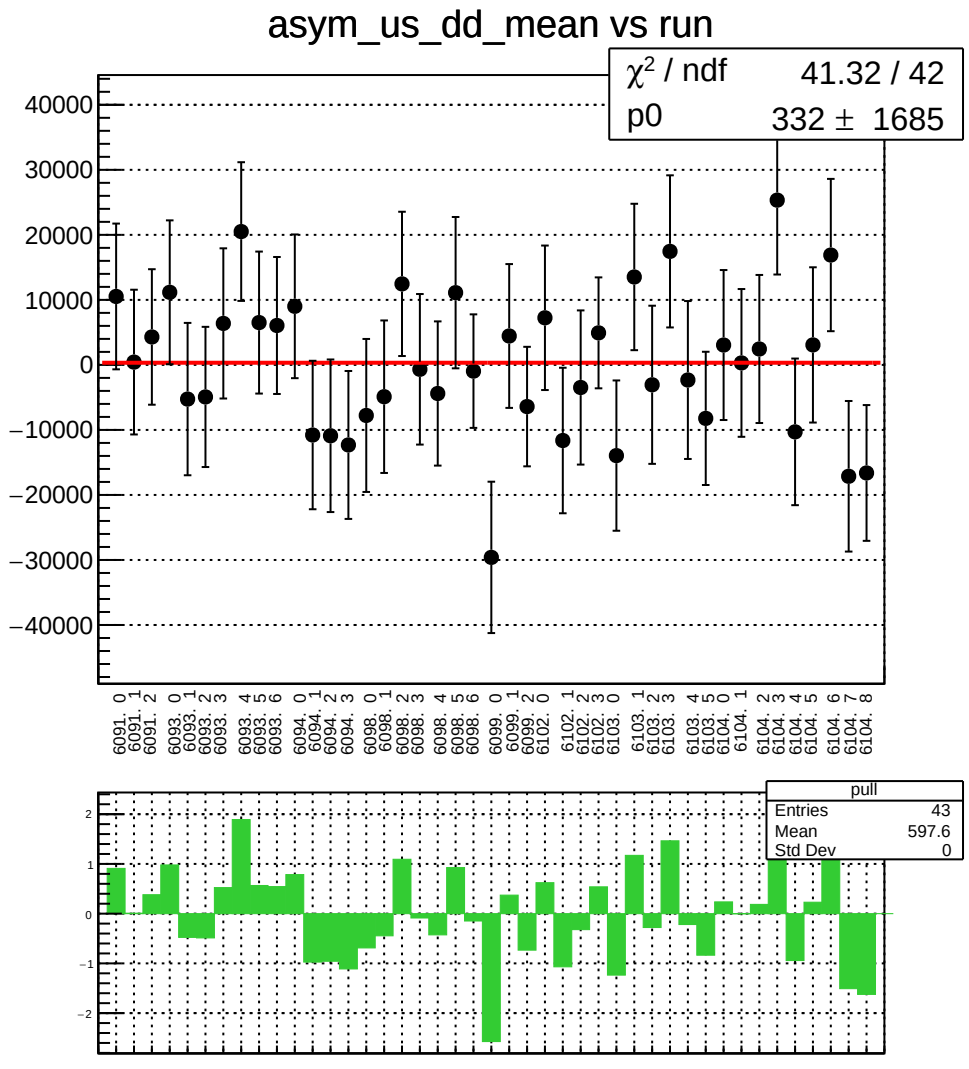
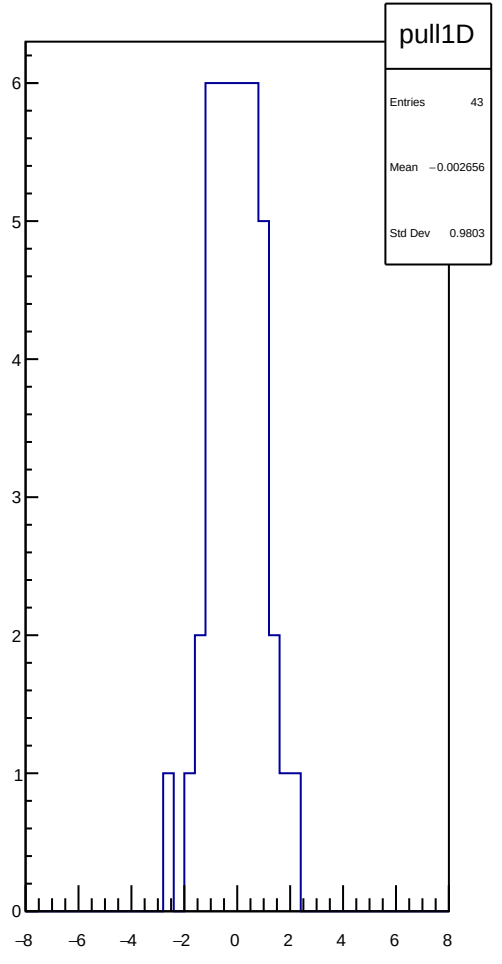
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8


asym_us_dd_mean vs run
χ² / ndf 41.32 / 42
p0 332 ± 1685
40000
30000
20000
10000
0
−10000
−20000
−30000
−40000
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 597.6
Std Dev 0
2
1
0
−1
−2


pull1D
Entries 43
Mean −0.002656
Std Dev 0.9803
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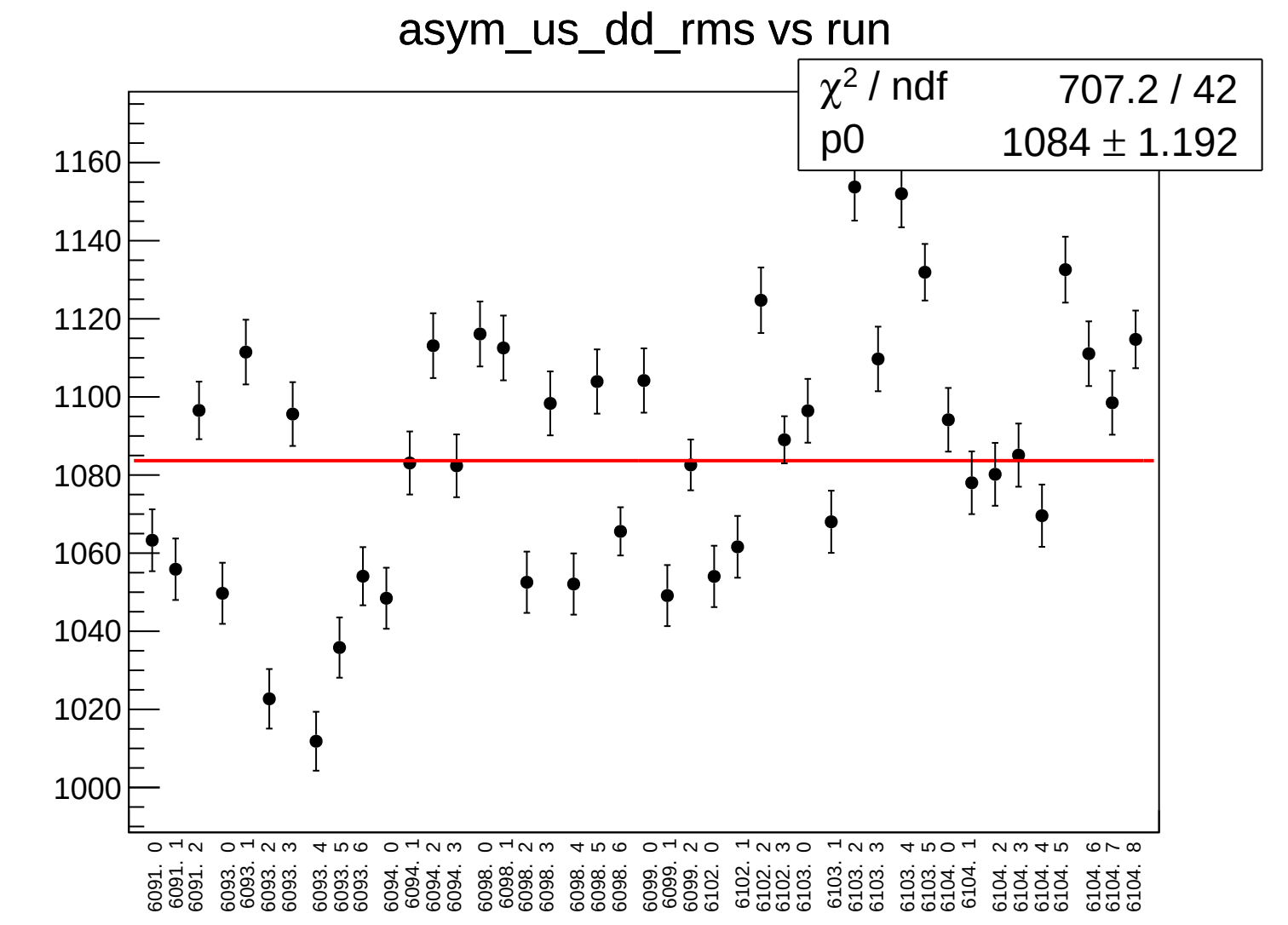
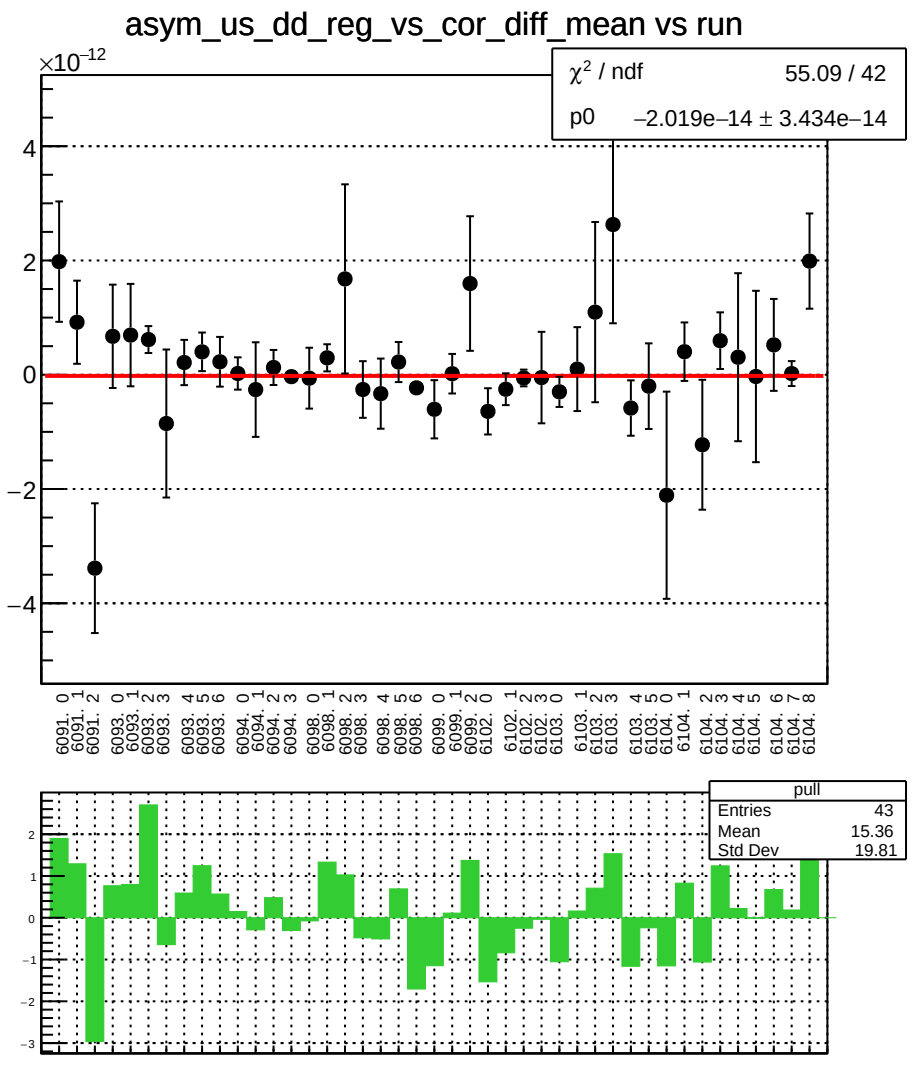
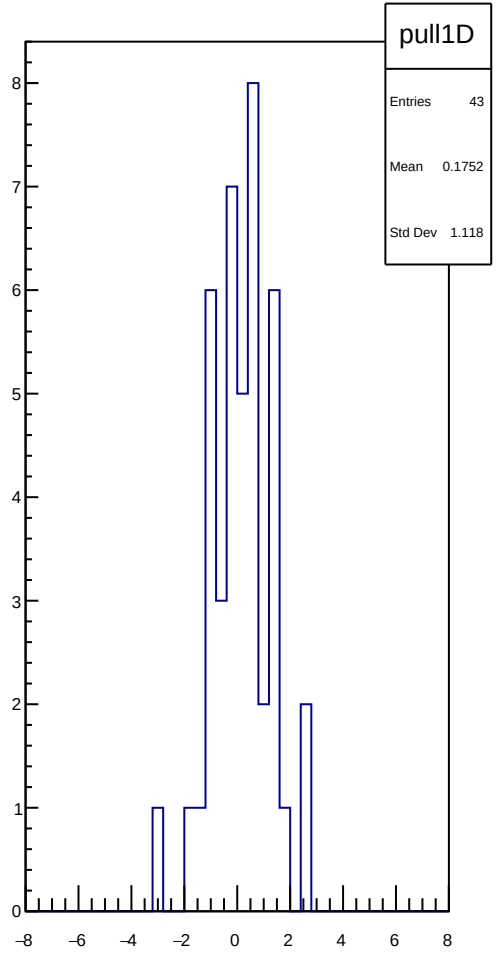
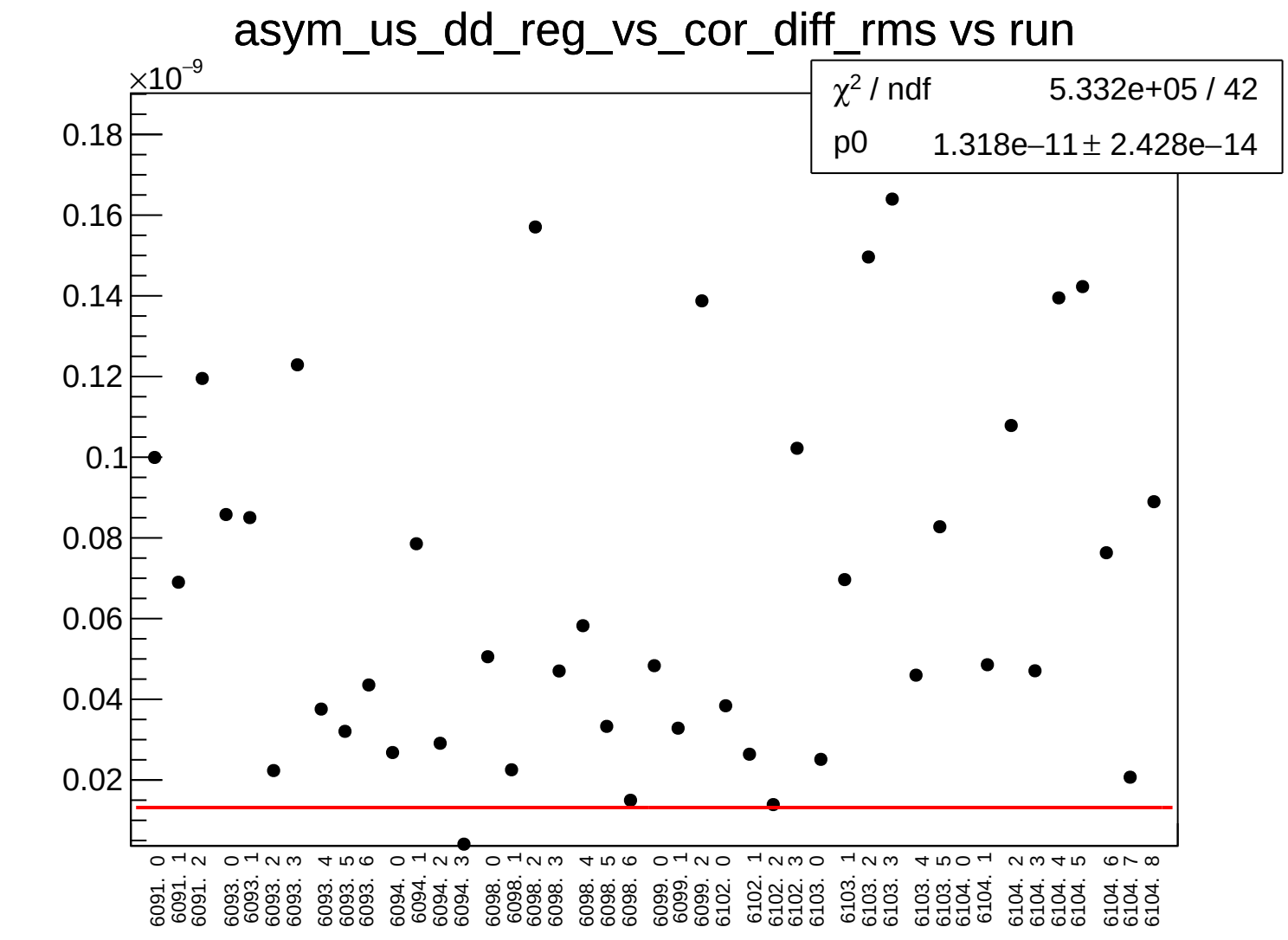
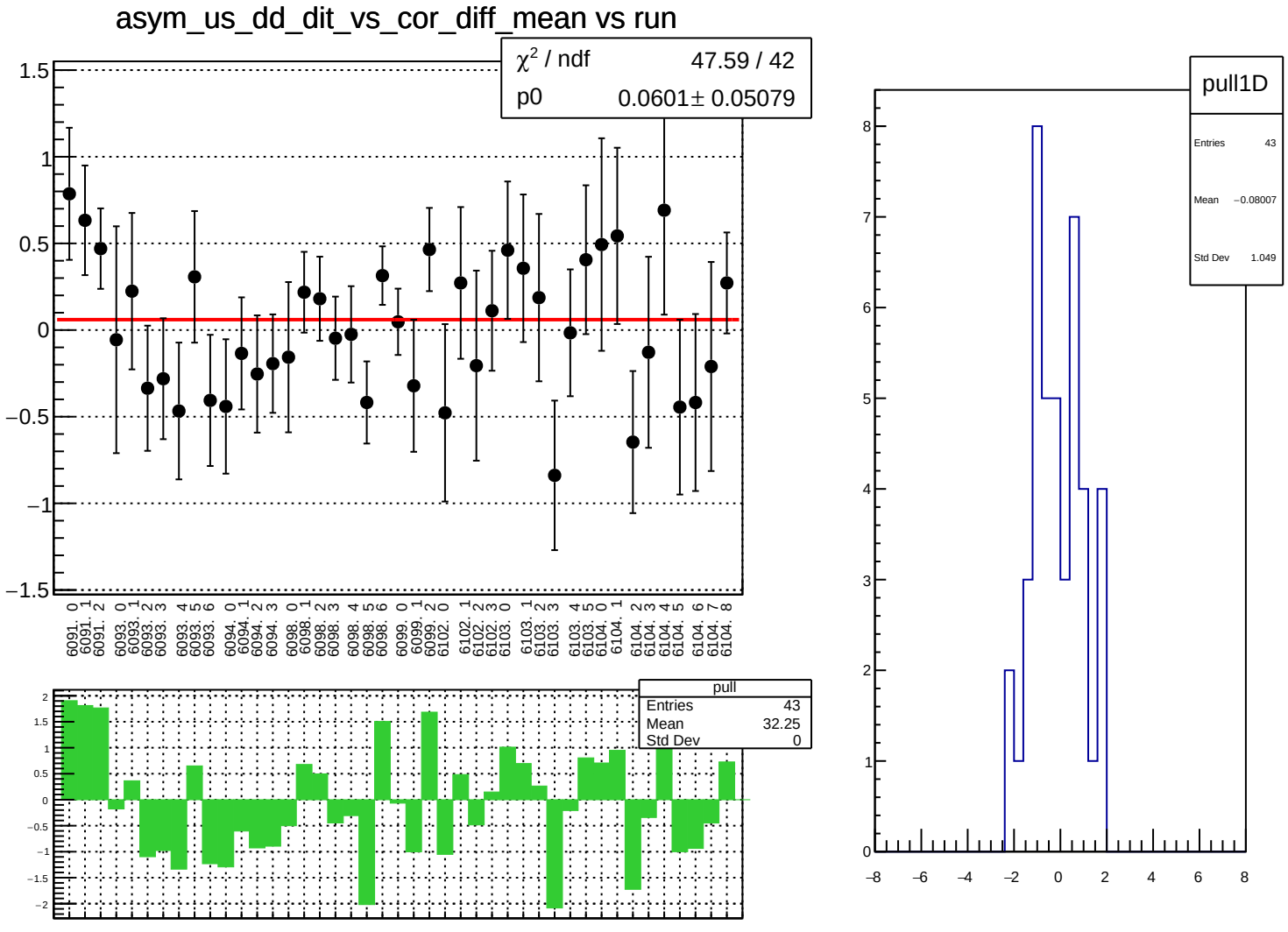
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

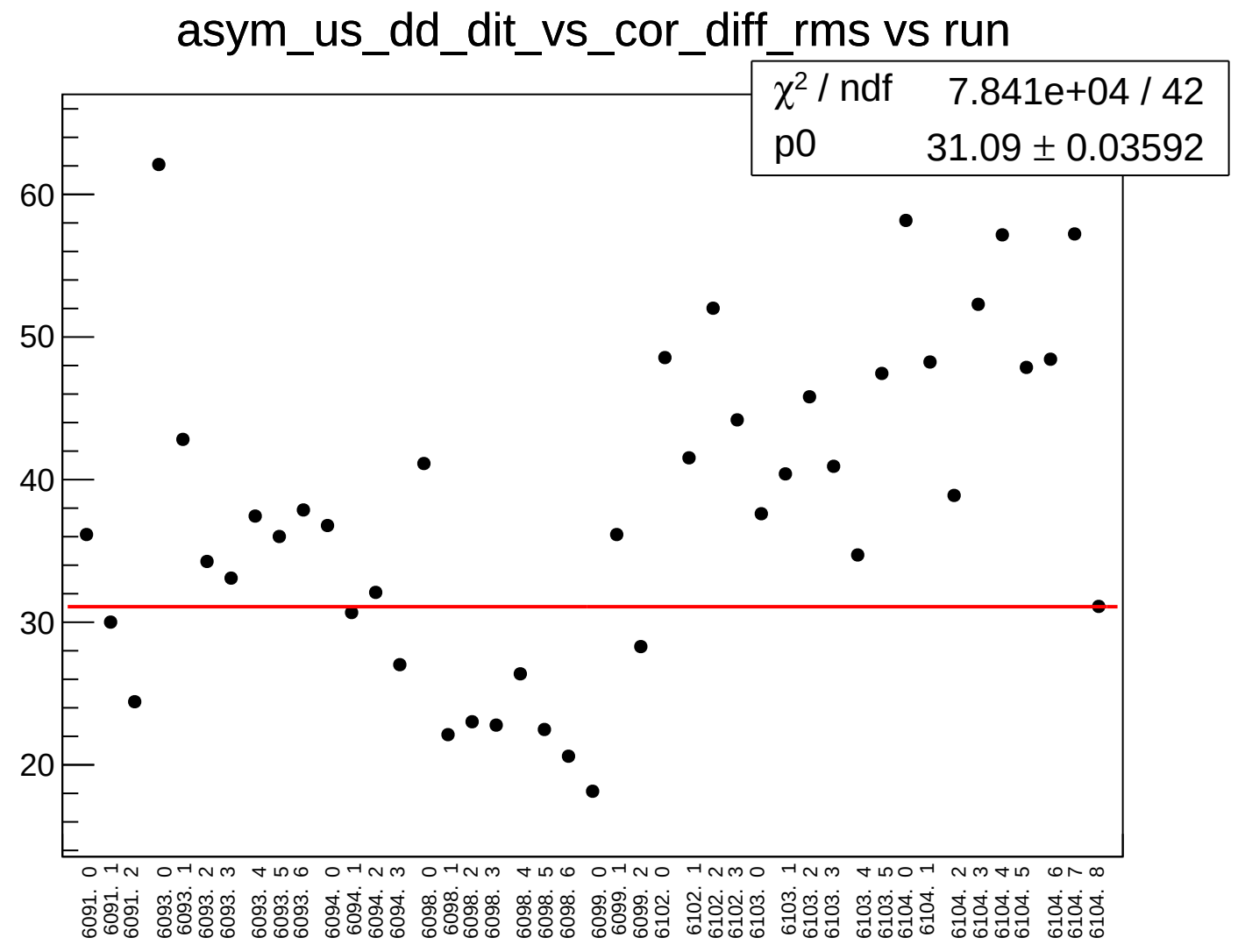

asym_us_dd_rms vs run
χ² / ndf 707.2 / 42
p0 1084 ± 1.192
1160
1140
1120
1100
1080
1060
1040
1020
1000
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

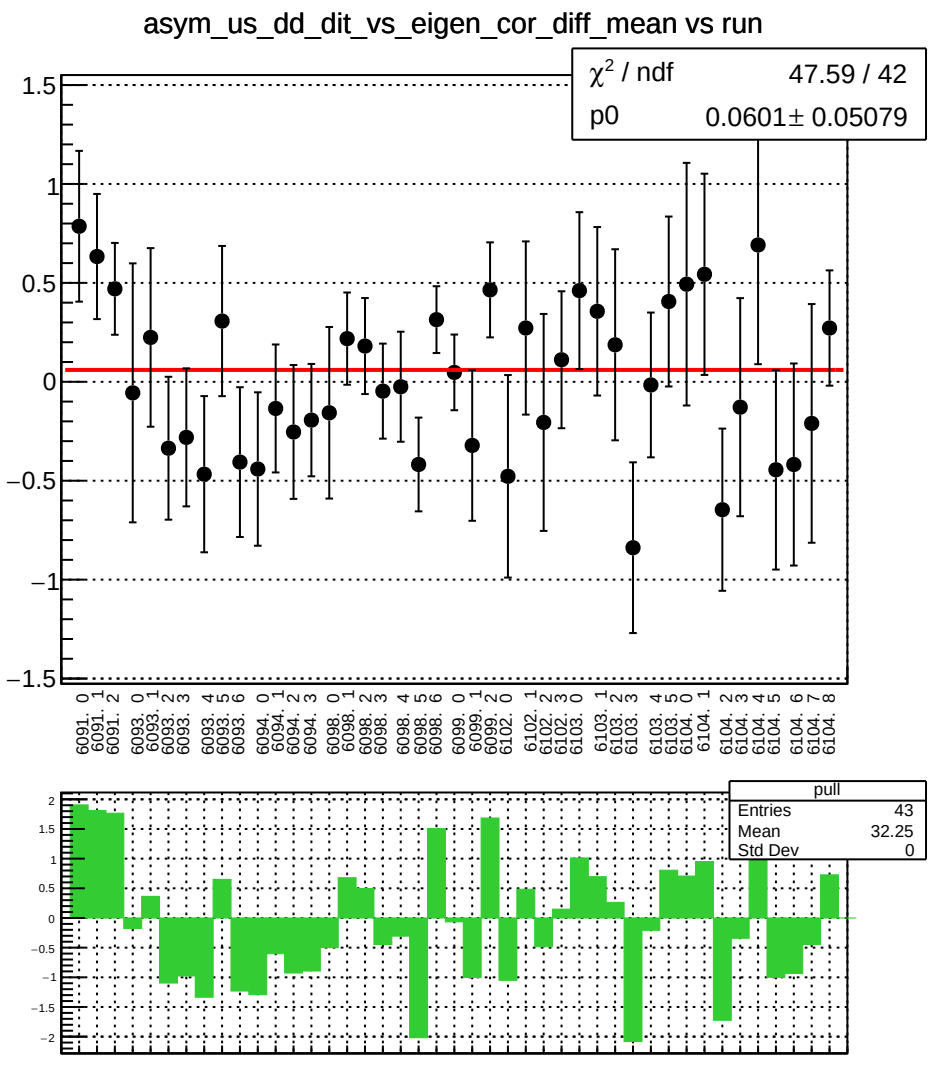

asym_us_dd_reg_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 55.09 / 42
p0 −2.019e−14 ± 3.434e−14
4
2
0
−2
−4
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 15.36
Std Dev 19.81
2
1
0
−1
−2
−3

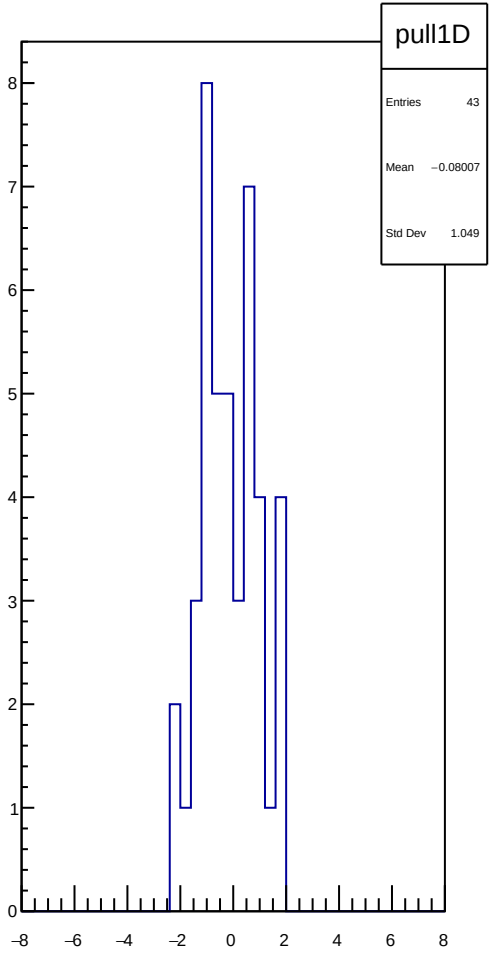

pull1D
Entries 43
Mean 0.1752
Std Dev 1.118
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

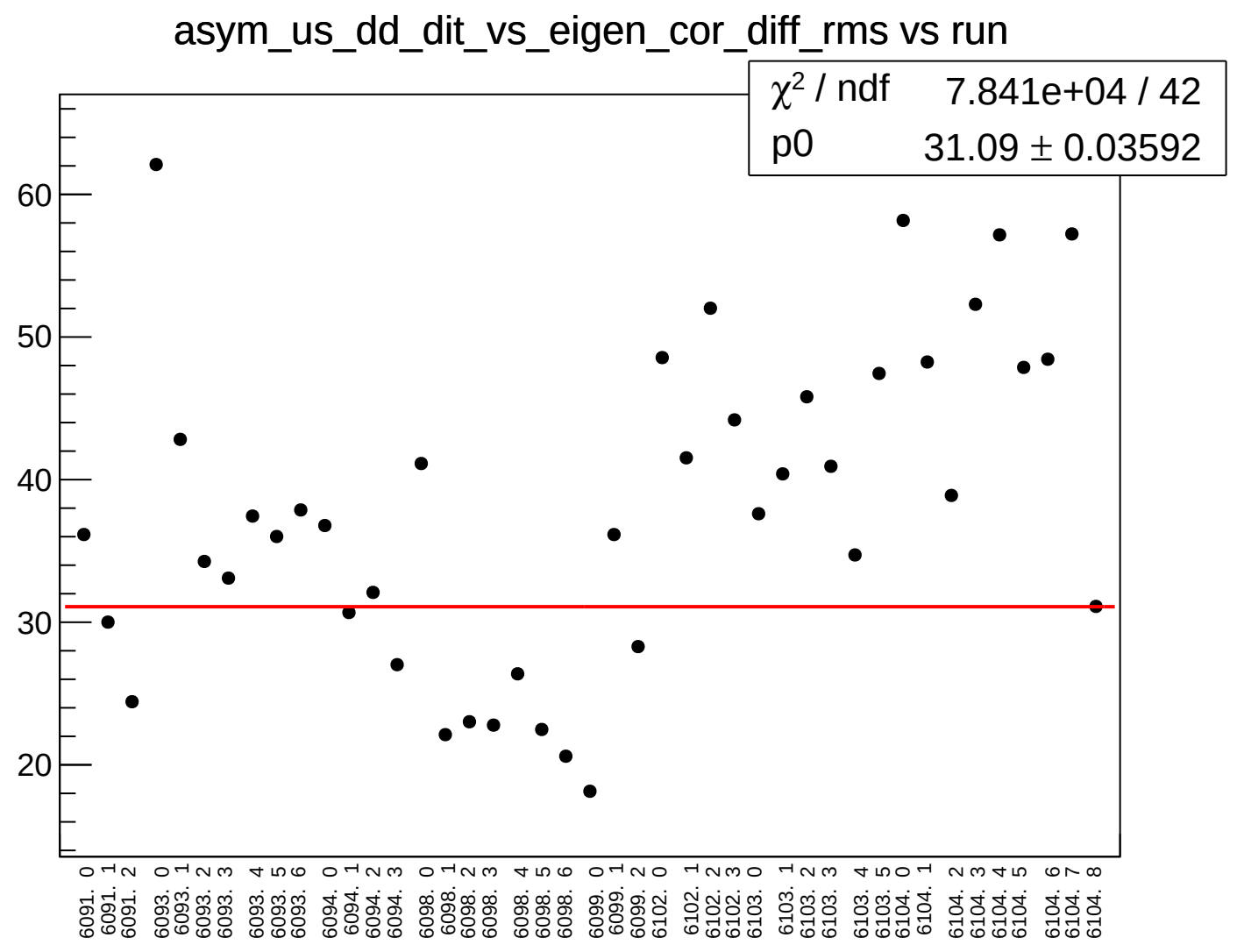

asym_us_dd_reg_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 5.332e+05 / 42
p0 1.318e−11 ± 2.428e−14
0.18
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

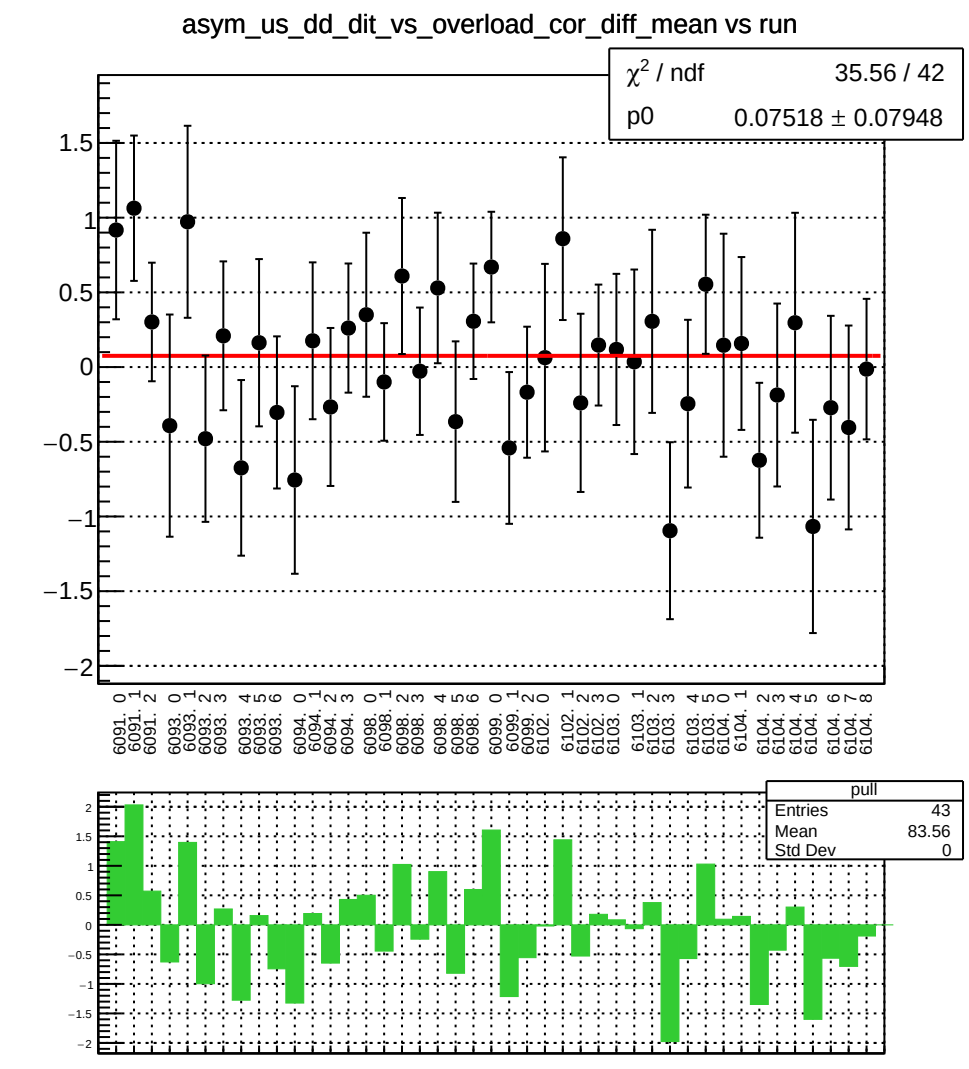

asym_us_dd_dit_vs_cor_diff_mean vs run
χ² / ndf 47.59 / 42
p0 0.0601± 0.05079
1.5
1
0.5
0
−0.5
−1
−1.5
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 32.25
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 43
Mean −0.08007
Std Dev 1.049
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

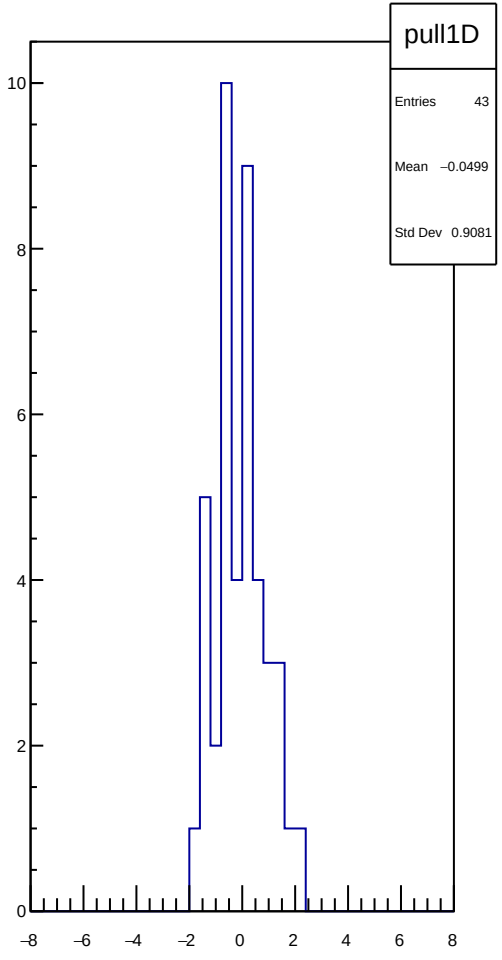

asym_us_dd_dit_vs_cor_diff_rms vs run
χ² / ndf 7.841e+04 / 42
p0 31.09 ± 0.03592
60
50
40
30
20
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

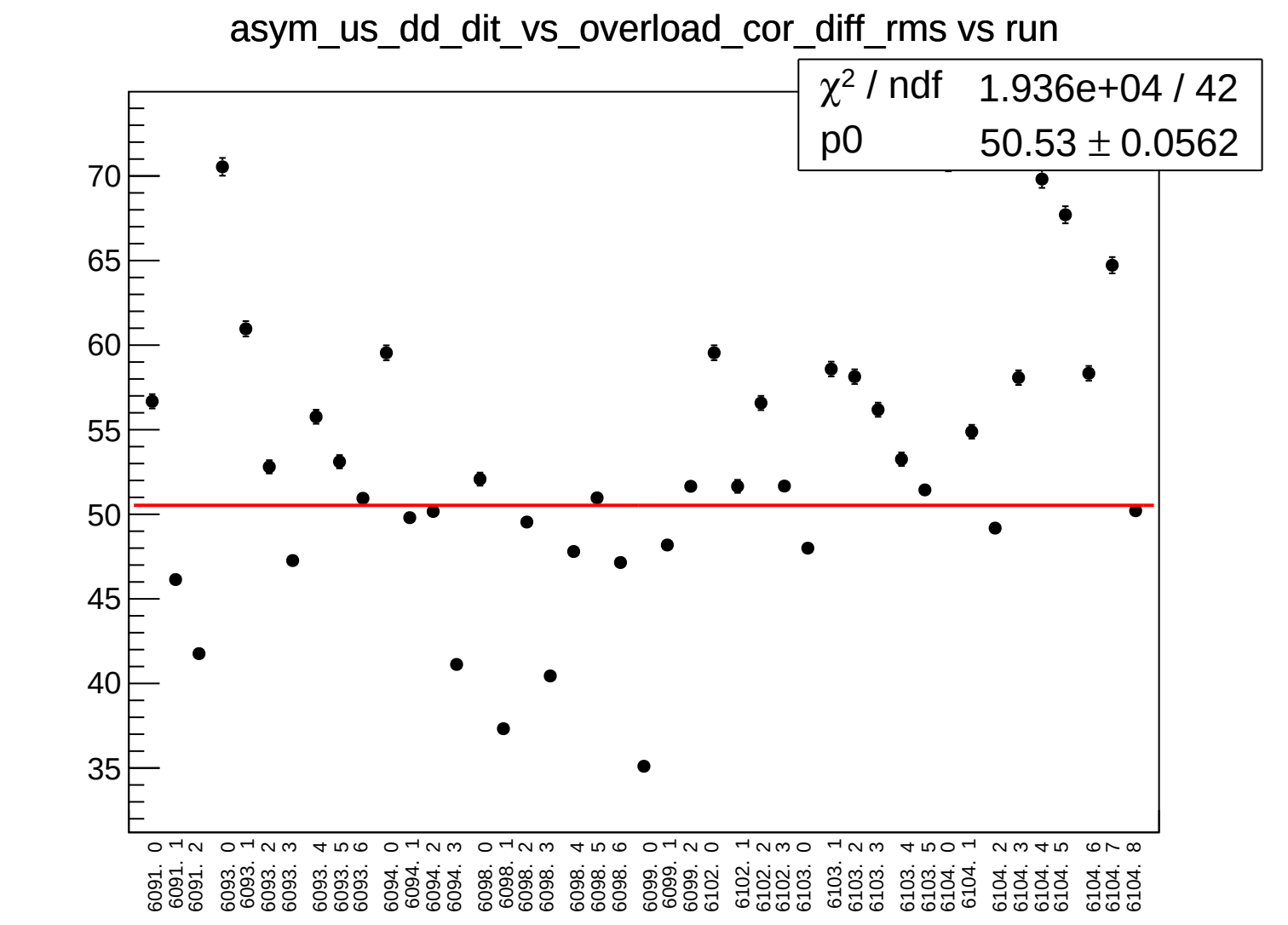

asym_us_dd_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 47.59 / 42
p0 0.0601± 0.05079
1.5
1
0.5
0
−0.5
−1
−1.5
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 32.25
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

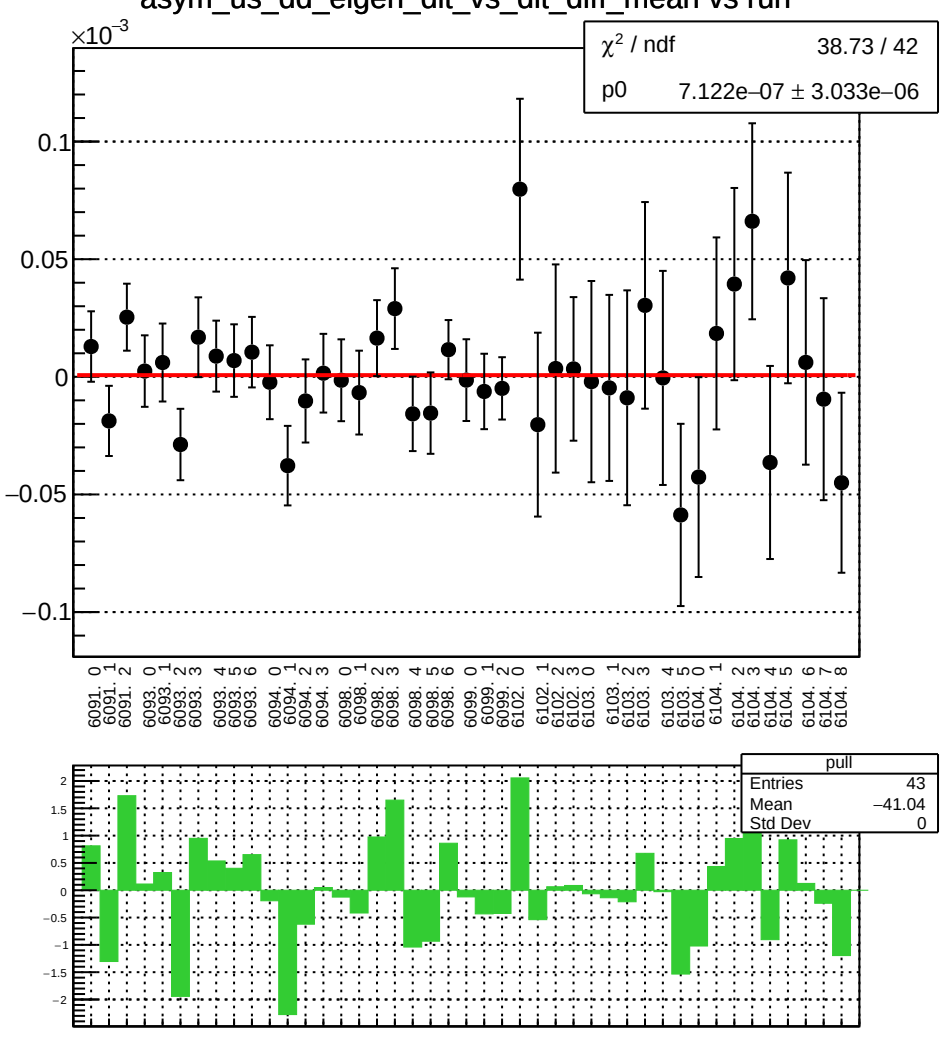

pull1D
Entries 43
Mean −0.08007
Std Dev 1.049
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

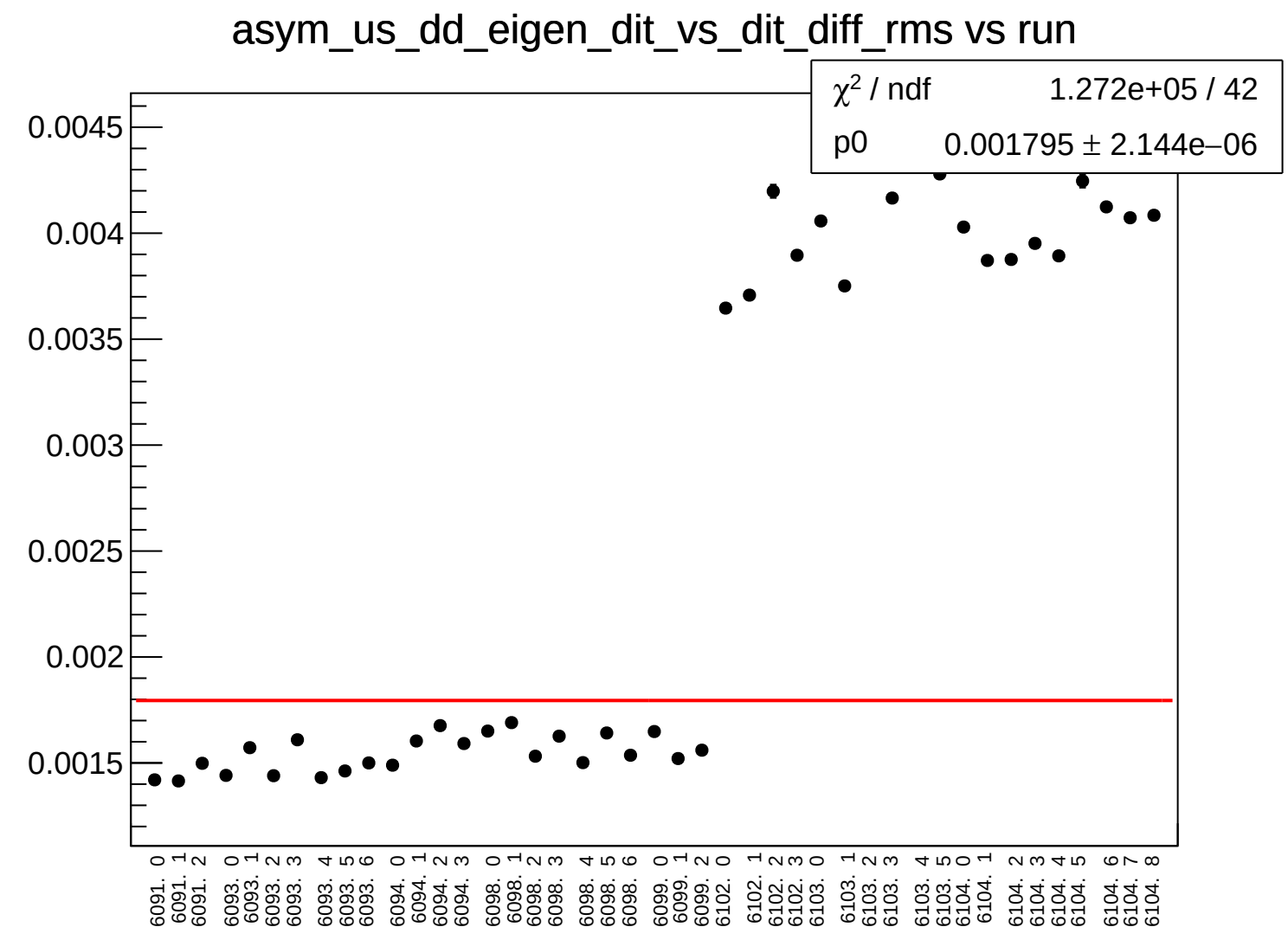

asym_us_dd_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 7.841e+04 / 42
p0 31.09 ± 0.03592
60
50
40
30
20
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

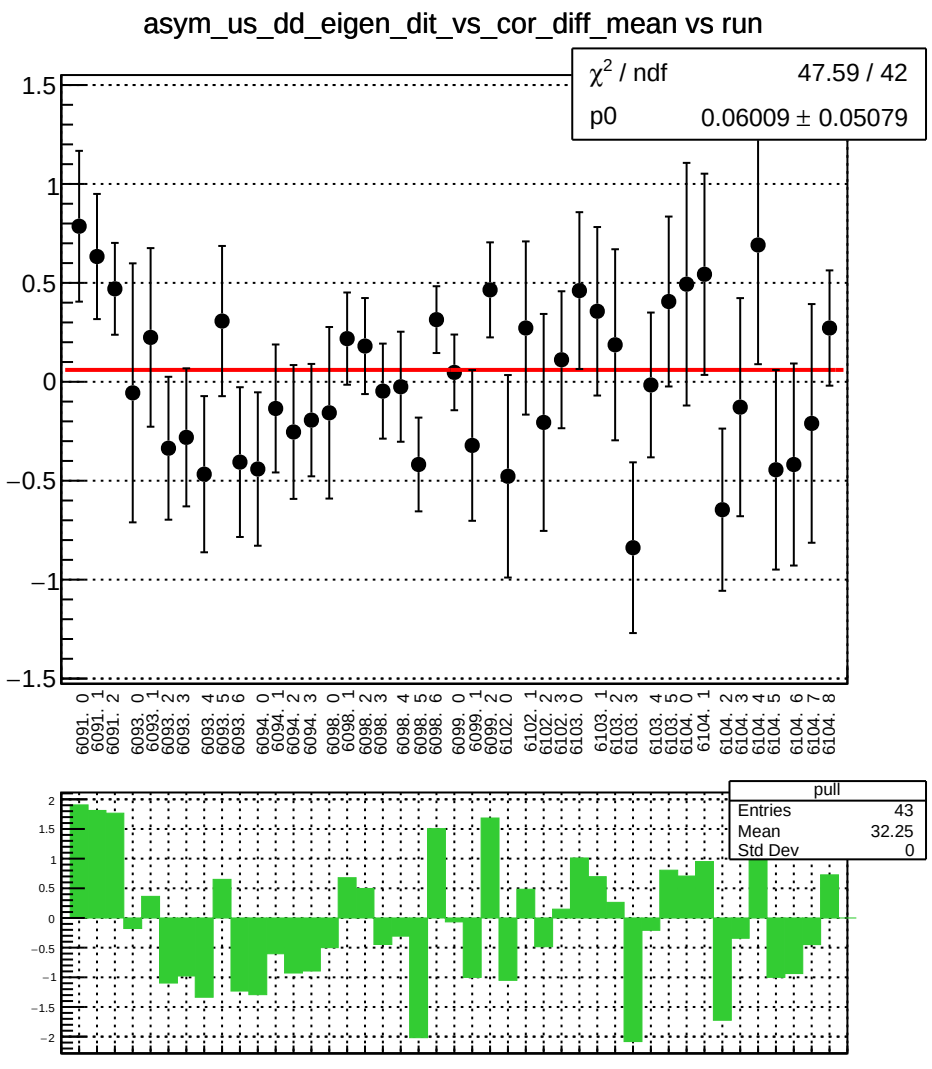

asym_us_dd_dit_vs_overload_cor_diff_mean vs run
χ² / ndf 35.56 / 42
p0 0.07518 ± 0.07948
pull
Entries 43
Mean 83.56
Std Dev 0

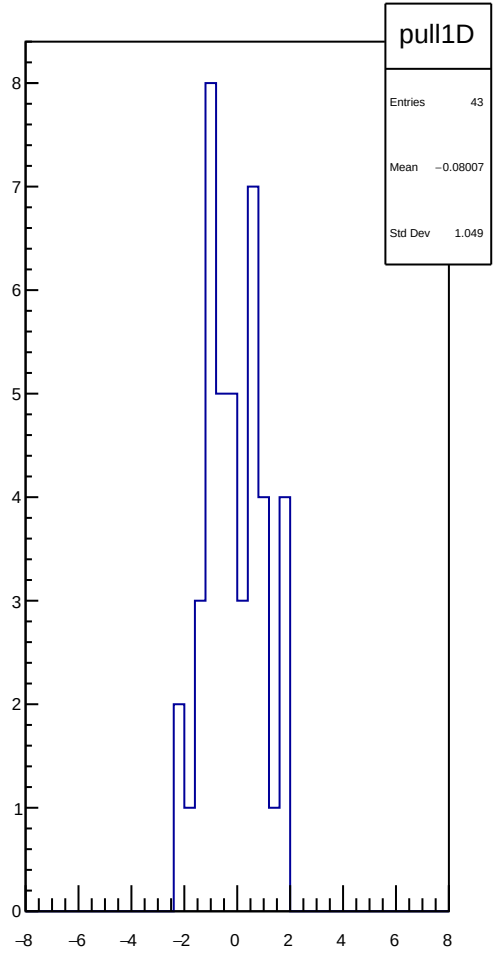

pull1D
Entries 43
Mean −0.0499
Std Dev 0.9081

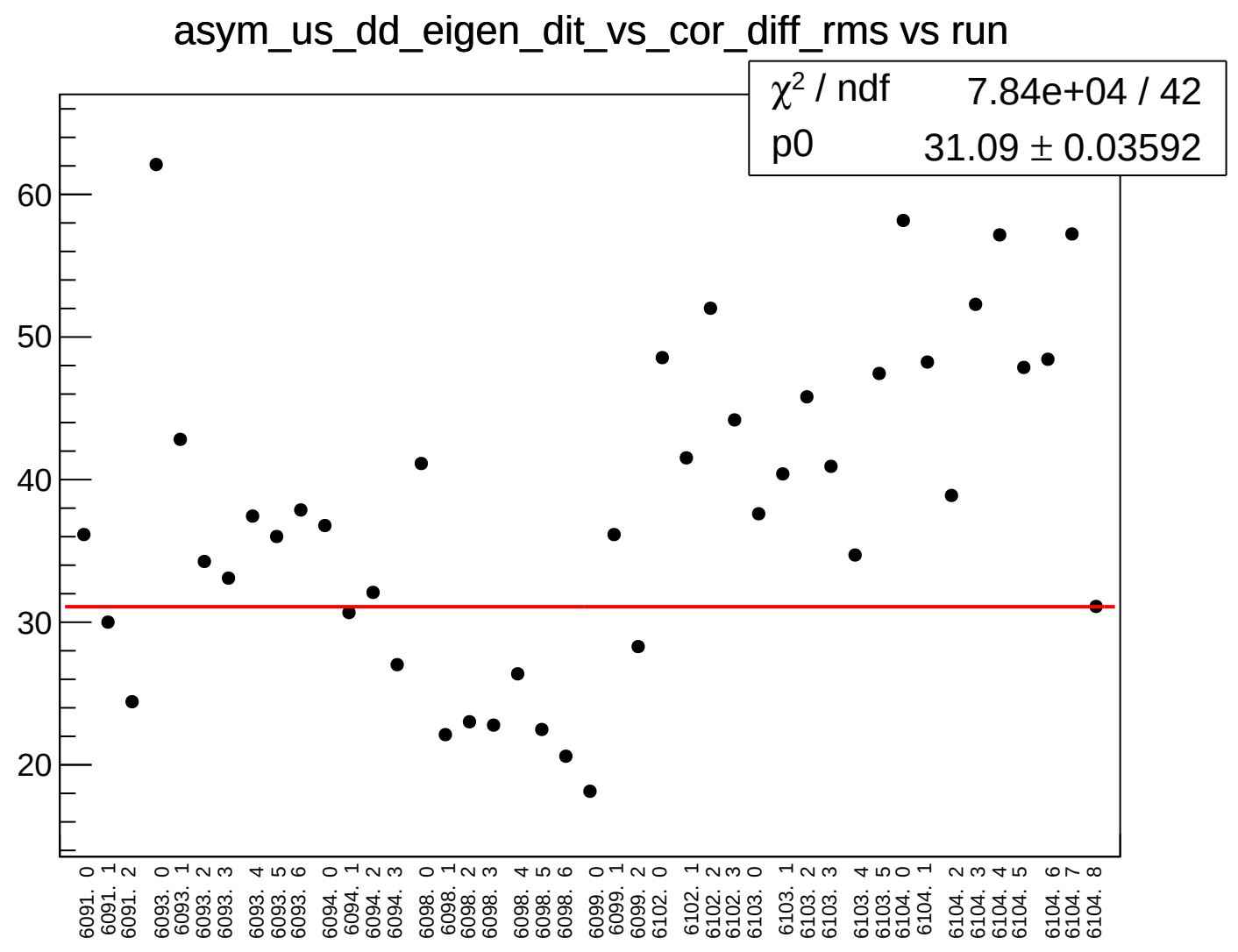

asym_us_dd_dit_vs_overload_cor_diff_rms vs run
χ² / ndf 1.936e+04 / 42
p0 50.53 ± 0.0562
70
65
60
55
50
45
40
35
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

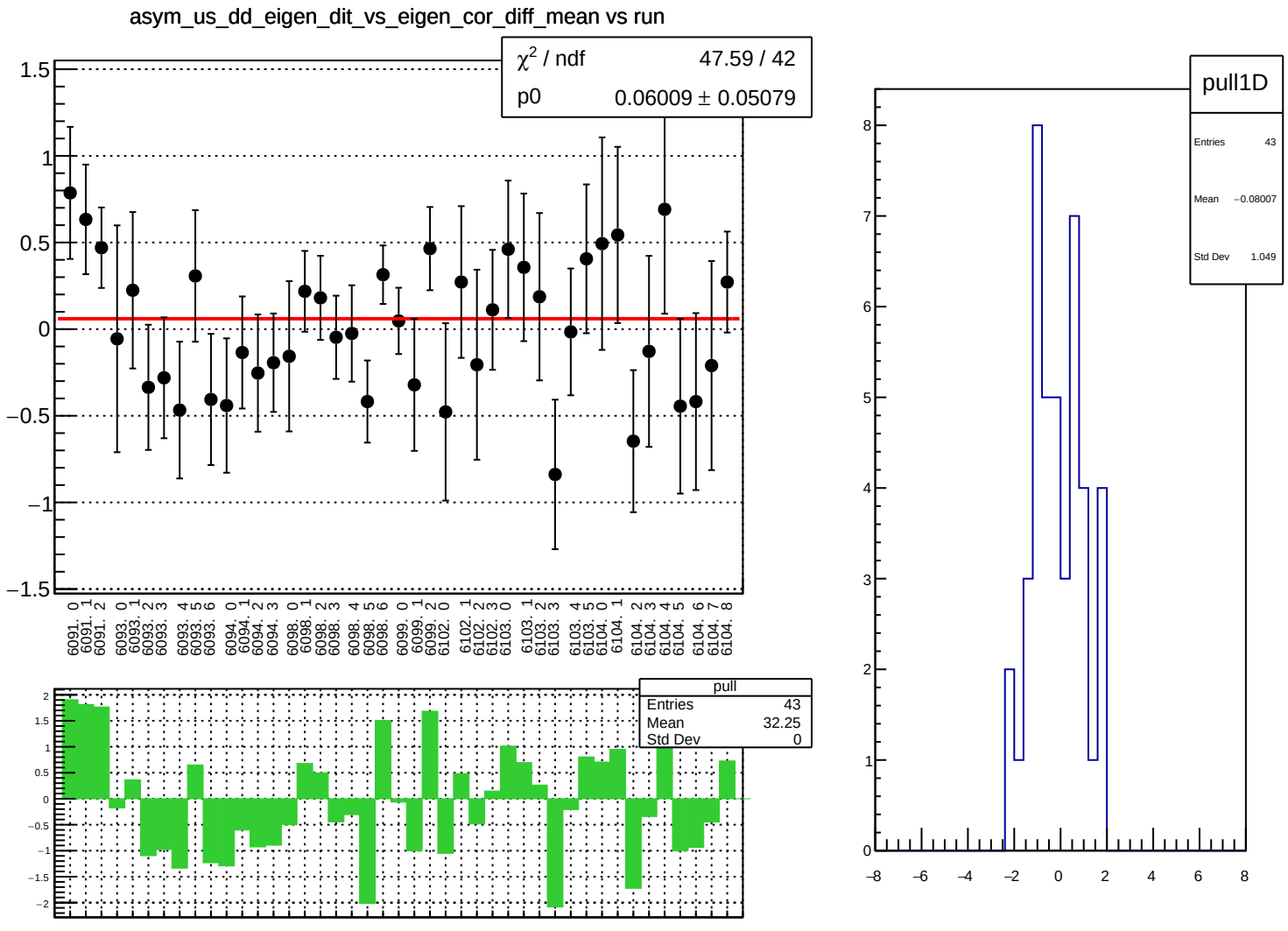

asym_us_dd_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 38.73 / 42
p0 7.122e−07 ± 3.033e−06
0.1
0.05
0
−0.05
−0.1
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean −41.04
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 43
Mean 0.005565
Std Dev 0.9491
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

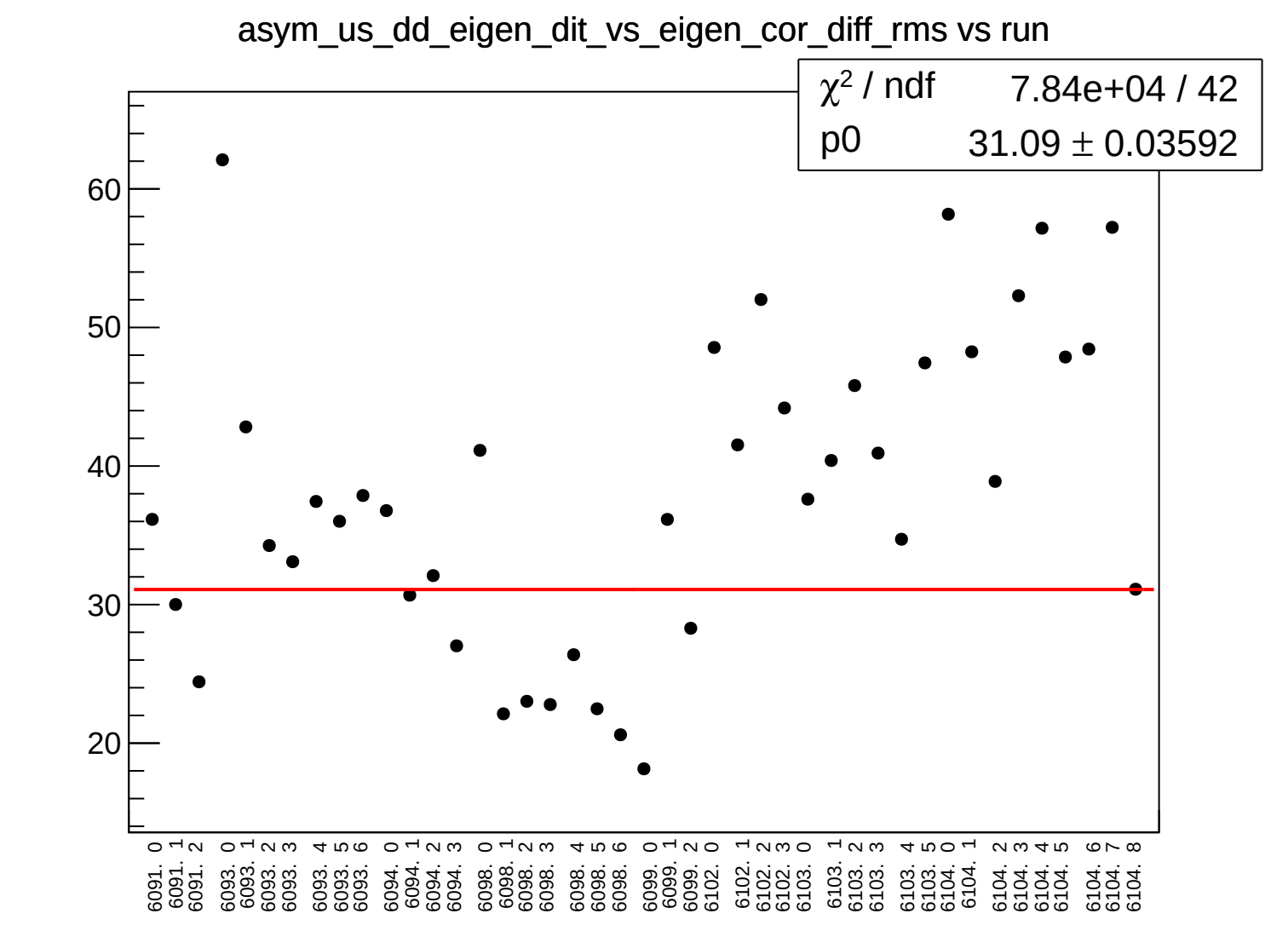

asym_us_dd_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 1.272e+05 / 42
p0 0.001795 ± 2.144e−06
0.0045
0.004
0.0035
0.003
0.0025
0.002
0.0015
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

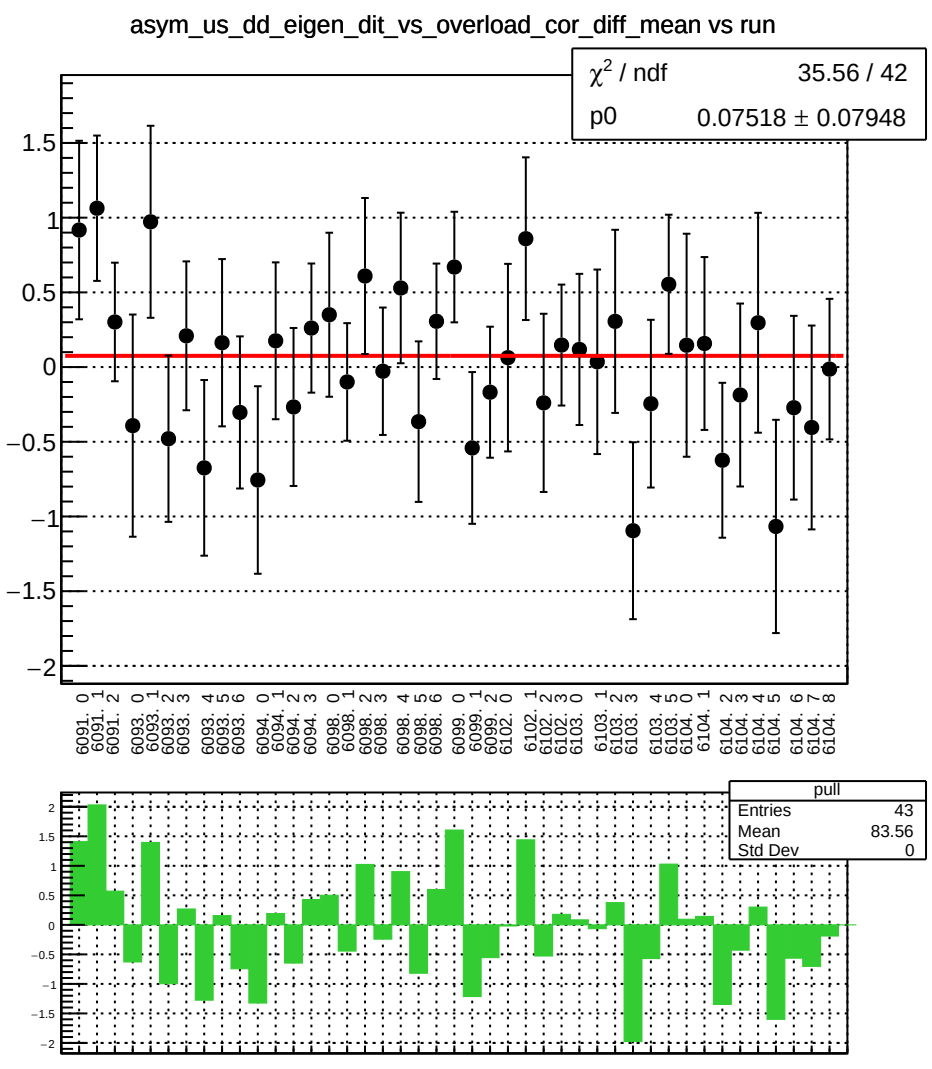

asym_us_dd_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 47.59 / 42
p0 0.06009 ± 0.05079
pull
Entries 43
Mean 32.25
Std Dev 0

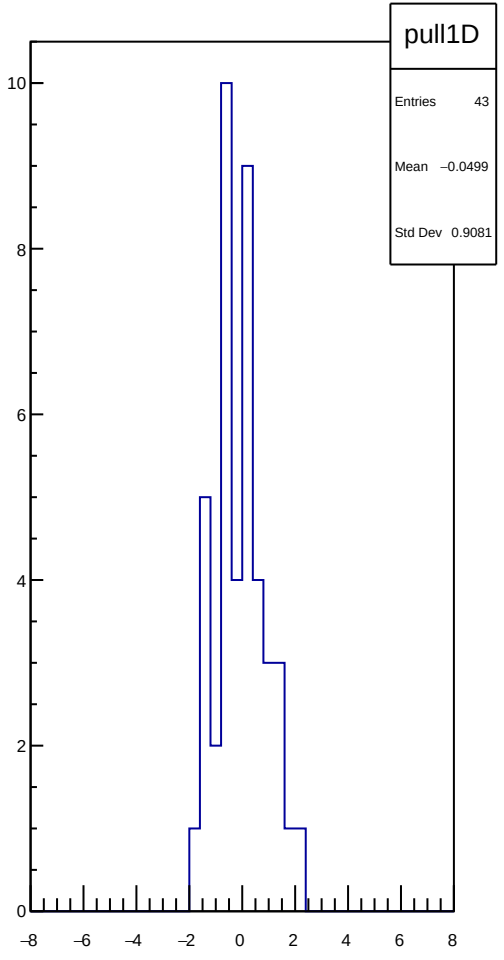

pull1D
Entries 43
Mean −0.08007
Std Dev 1.049

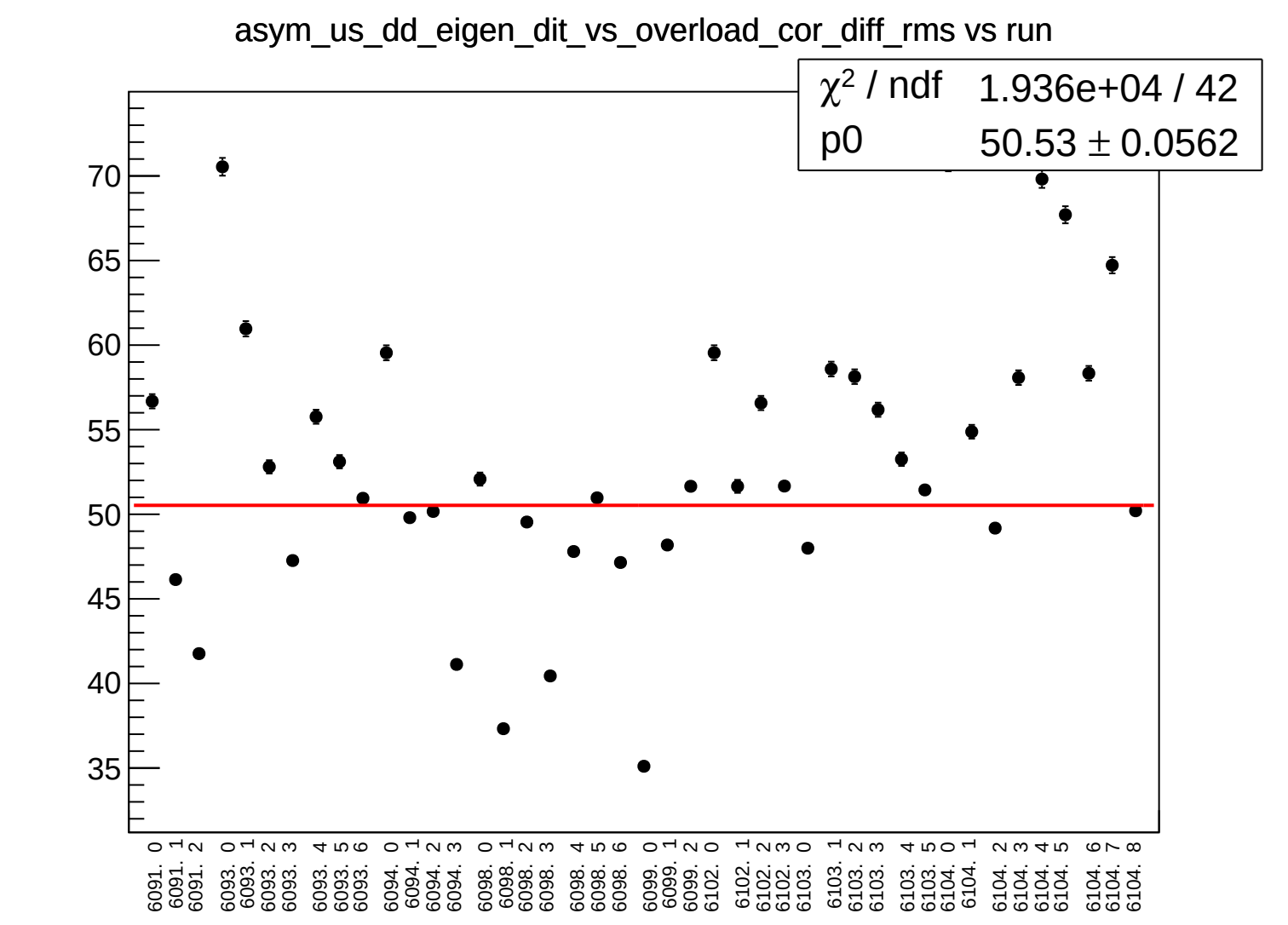

asym_us_dd_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 7.84e+04 / 42
p0 31.09 ± 0.03592
60
50
40
30
20
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8


asym_us_dd_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 47.59 / 42
p0 0.06009 ± 0.05079
1.5
1
0.5
0
−0.5
−1
−1.5
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 32.25
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 43
Mean −0.08007
Std Dev 1.049
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


asym_us_dd_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 7.84e+04 / 42
p0 31.09 ± 0.03592
60
50
40
30
20
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8


asym_us_dd_eigen_dit_vs_overload_cor_diff_mean vs run
χ² / ndf 35.56 / 42
p0 0.07518 ± 0.07948
pull
Entries 43
Mean 83.56
Std Dev 0


pull1D
Entries 43
Mean −0.0499
Std Dev 0.9081


asym_us_dd_eigen_dit_vs_overload_cor_diff_rms vs run
χ² / ndf 1.936e+04 / 42
p0 50.53 ± 0.0562
70
65
60
55
50
45
40
35
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
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6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
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6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
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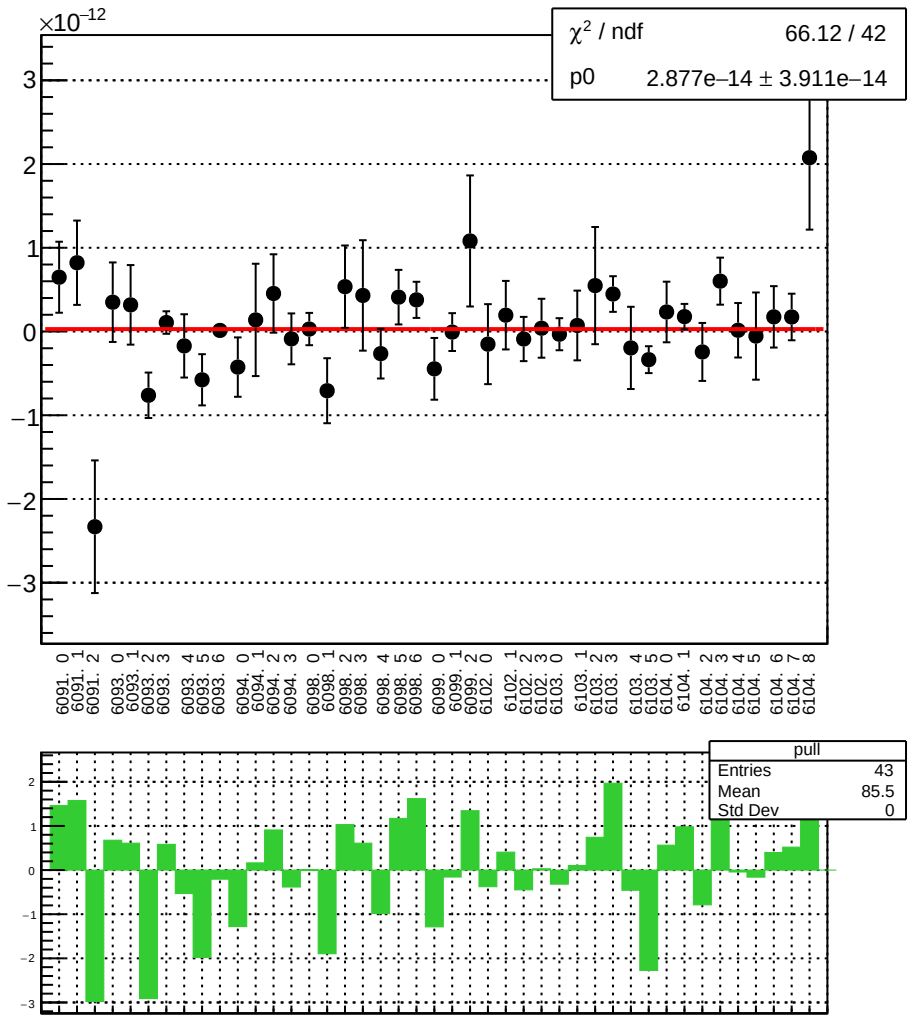
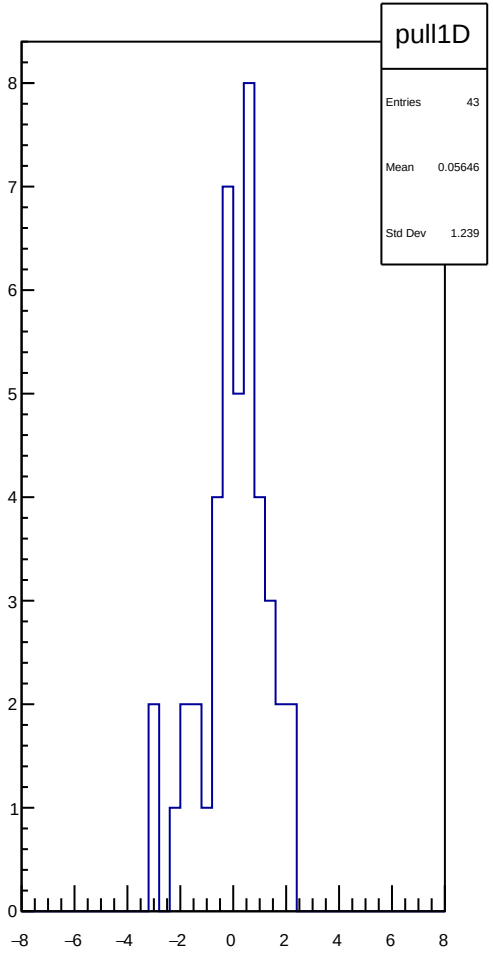
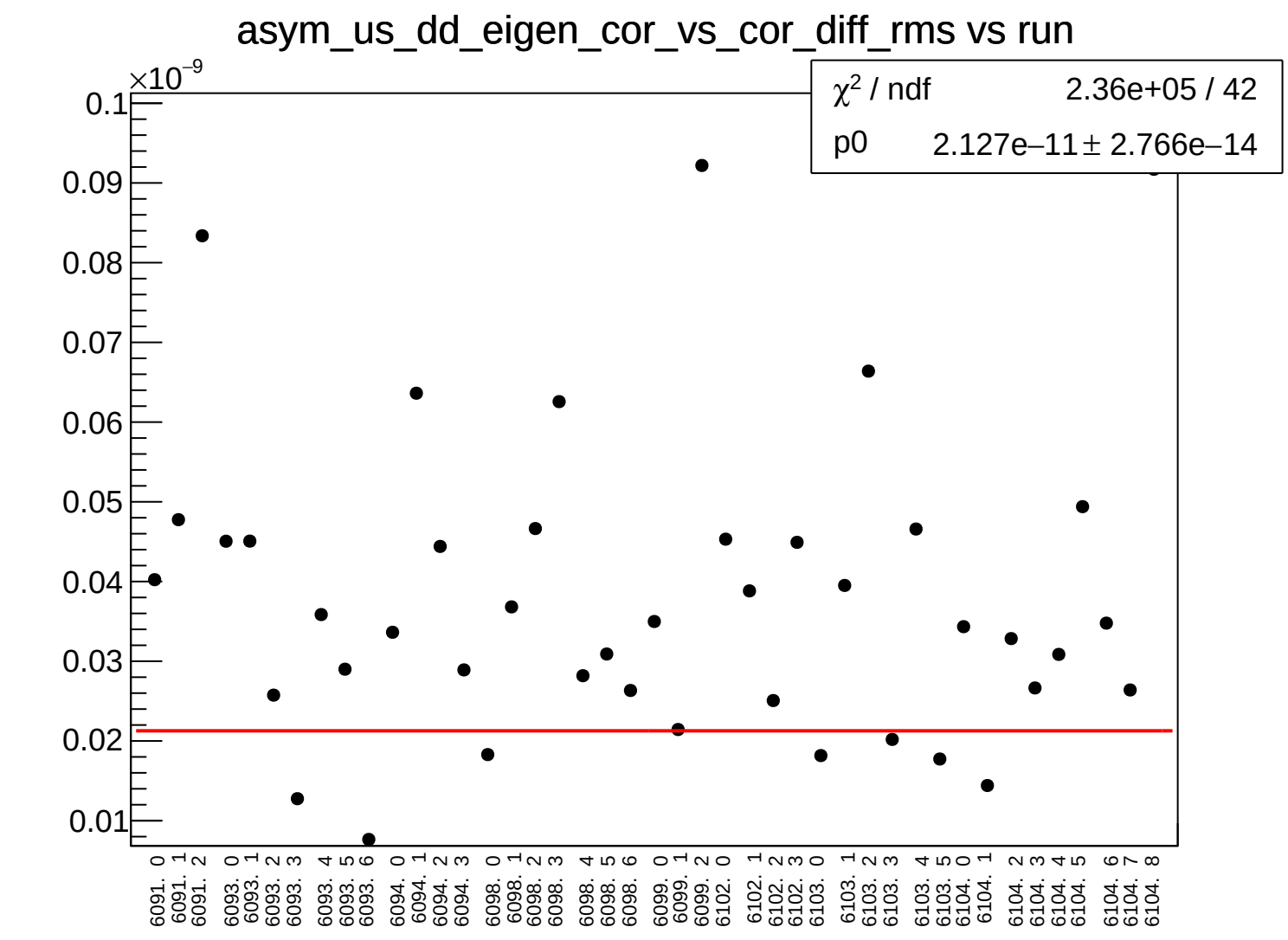
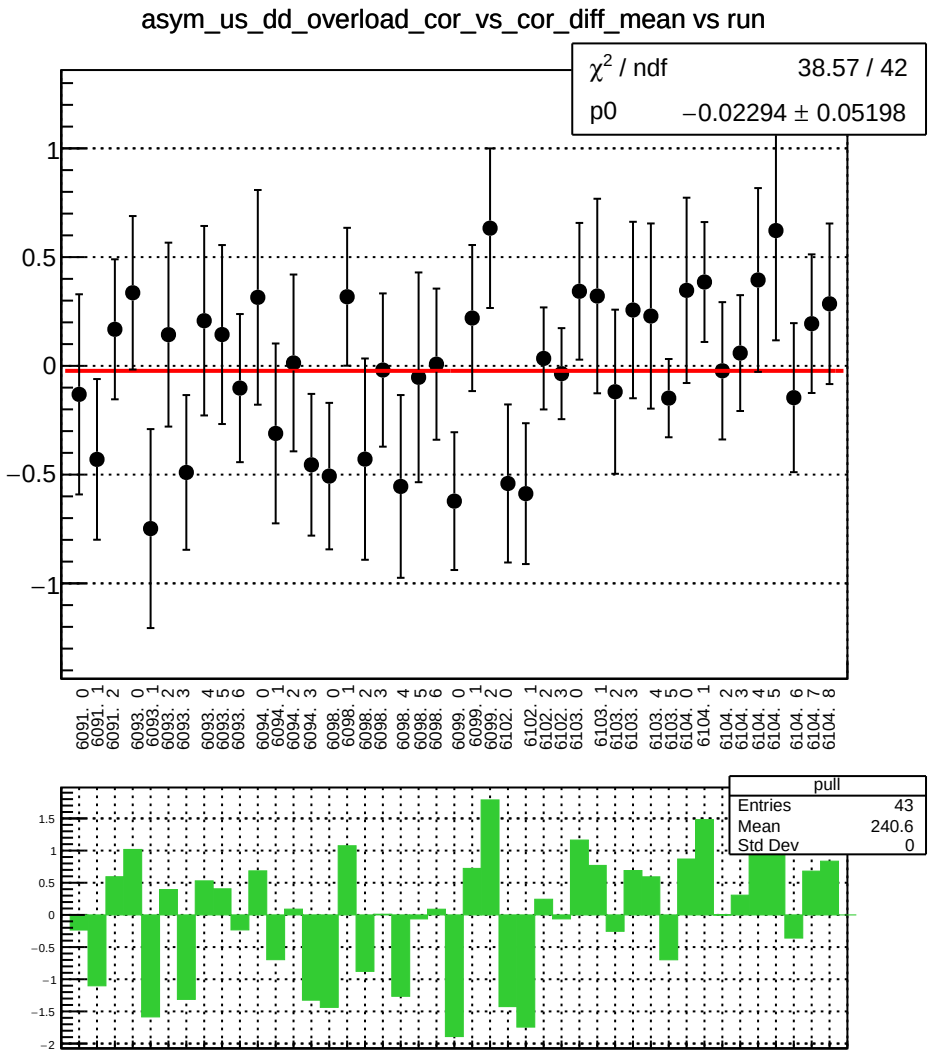
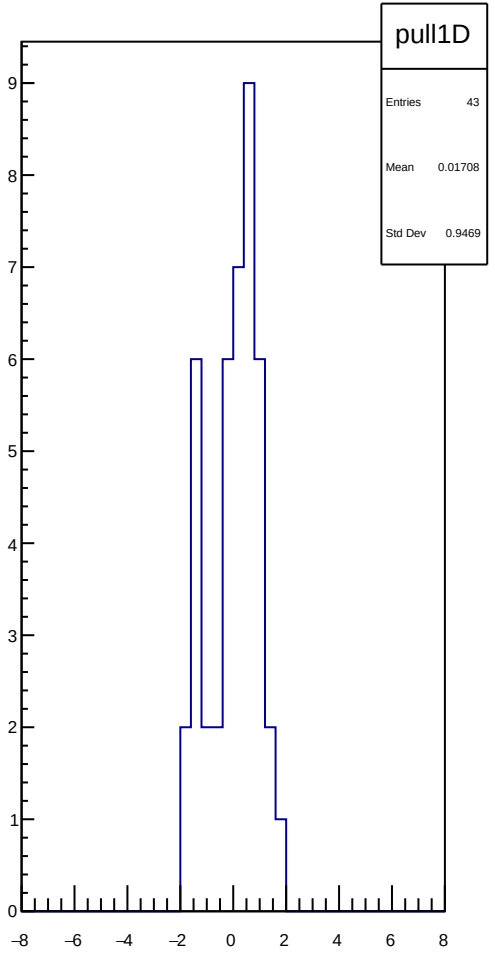
6104. 7
6104. 8

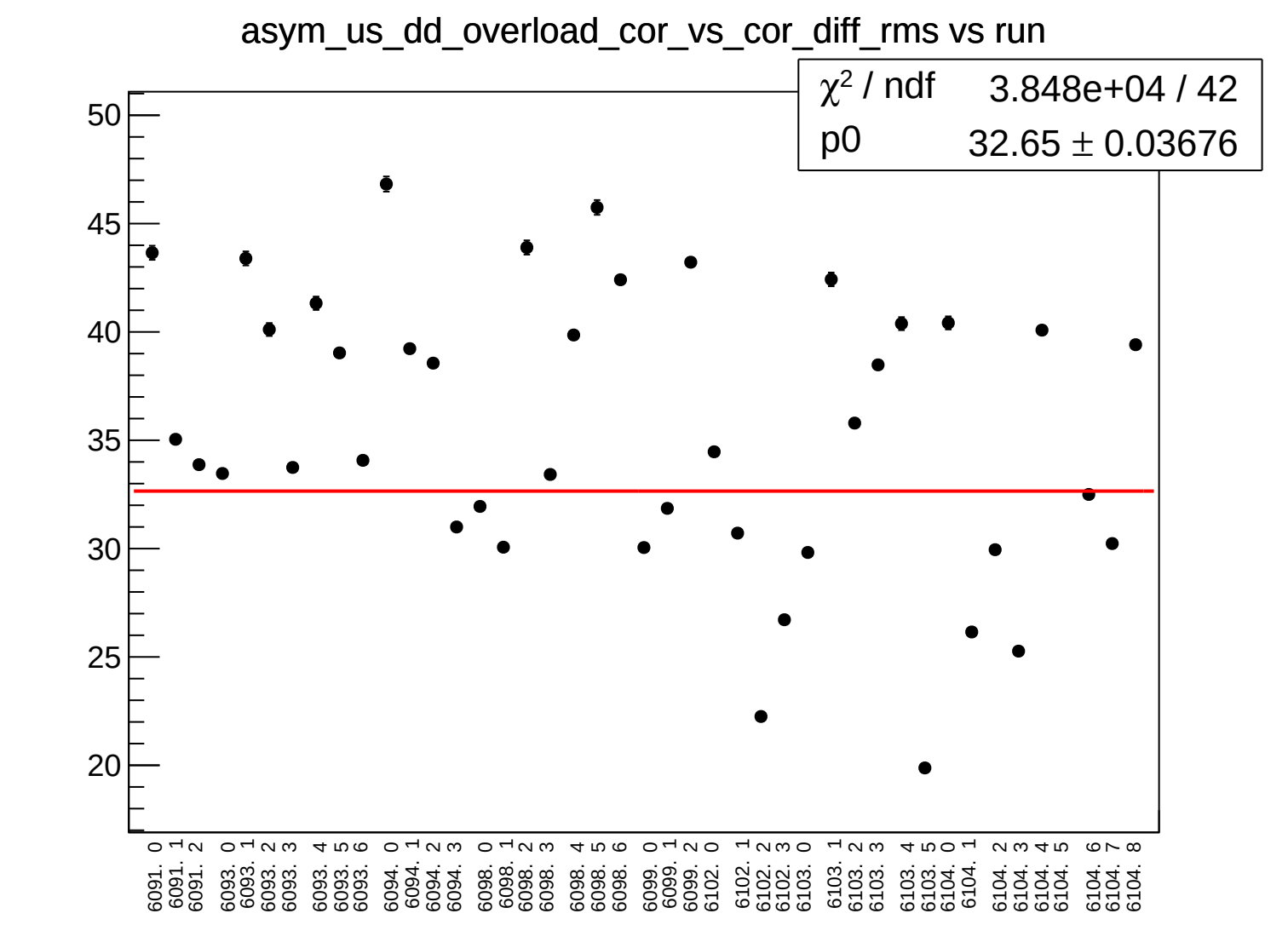

asym_us_dd_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 66.12 / 42
p0 2.877e−14 ± 3.911e−14
pull
Entries 43
Mean 85.5
Std Dev 0

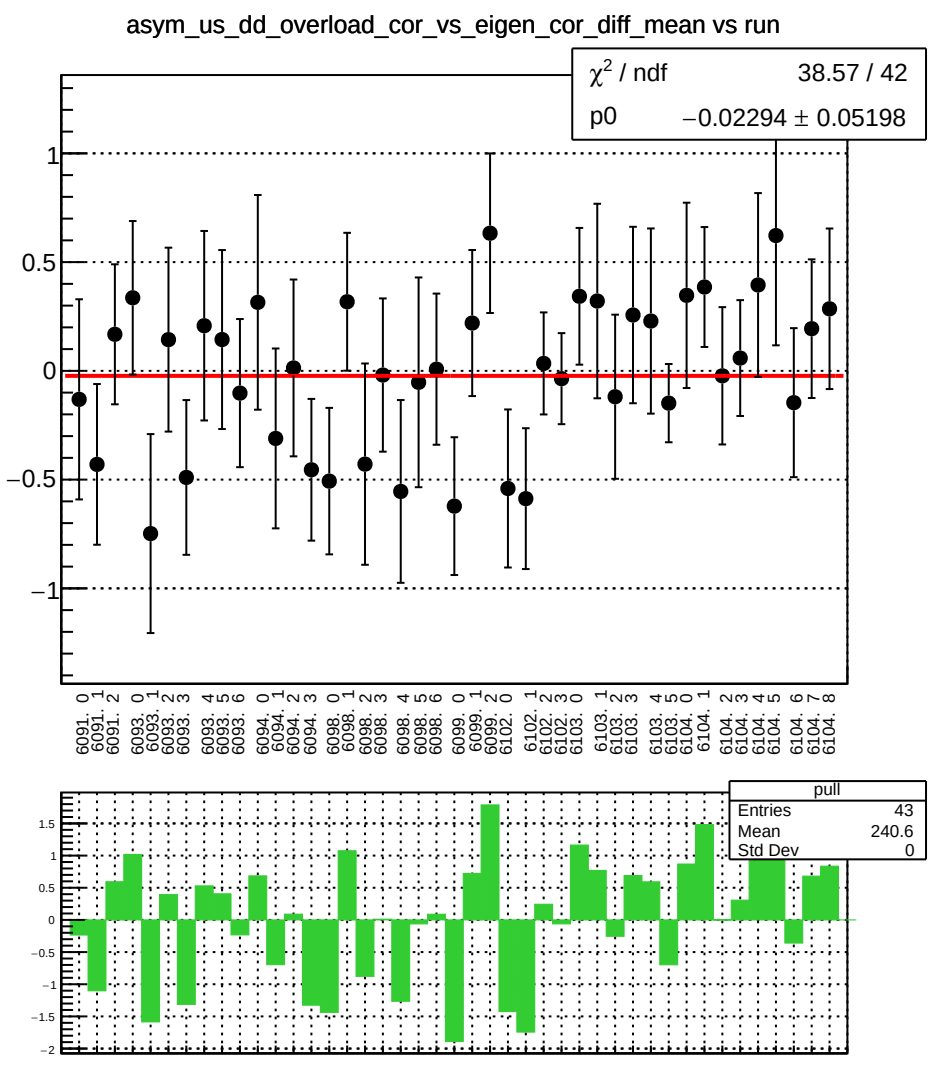

pull1D
Entries 43
Mean 0.05646
Std Dev 1.239

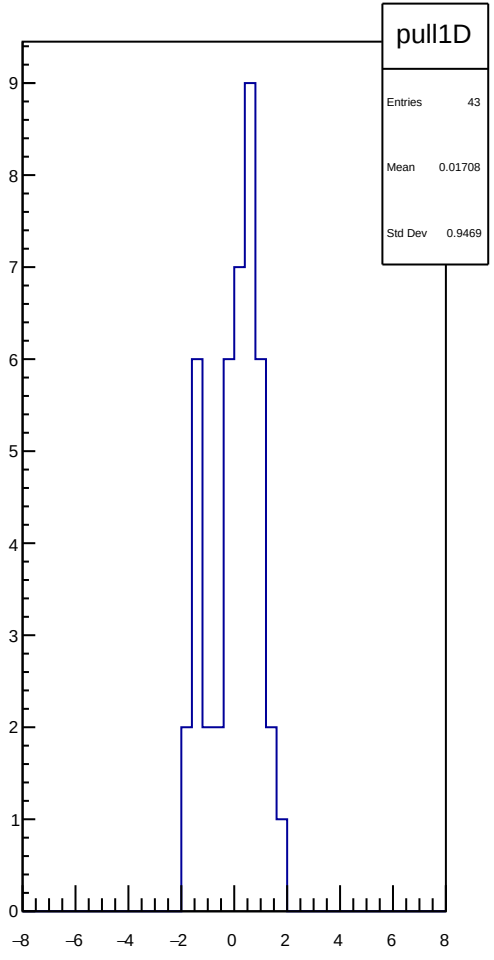

asym_us_dd_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 2.36e+05 / 42
p0 2.127e−11 ± 2.766e−14
0.1
0.09
0.08
0.07
0.06
0.05
0.04
0.03
0.02
0.01
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

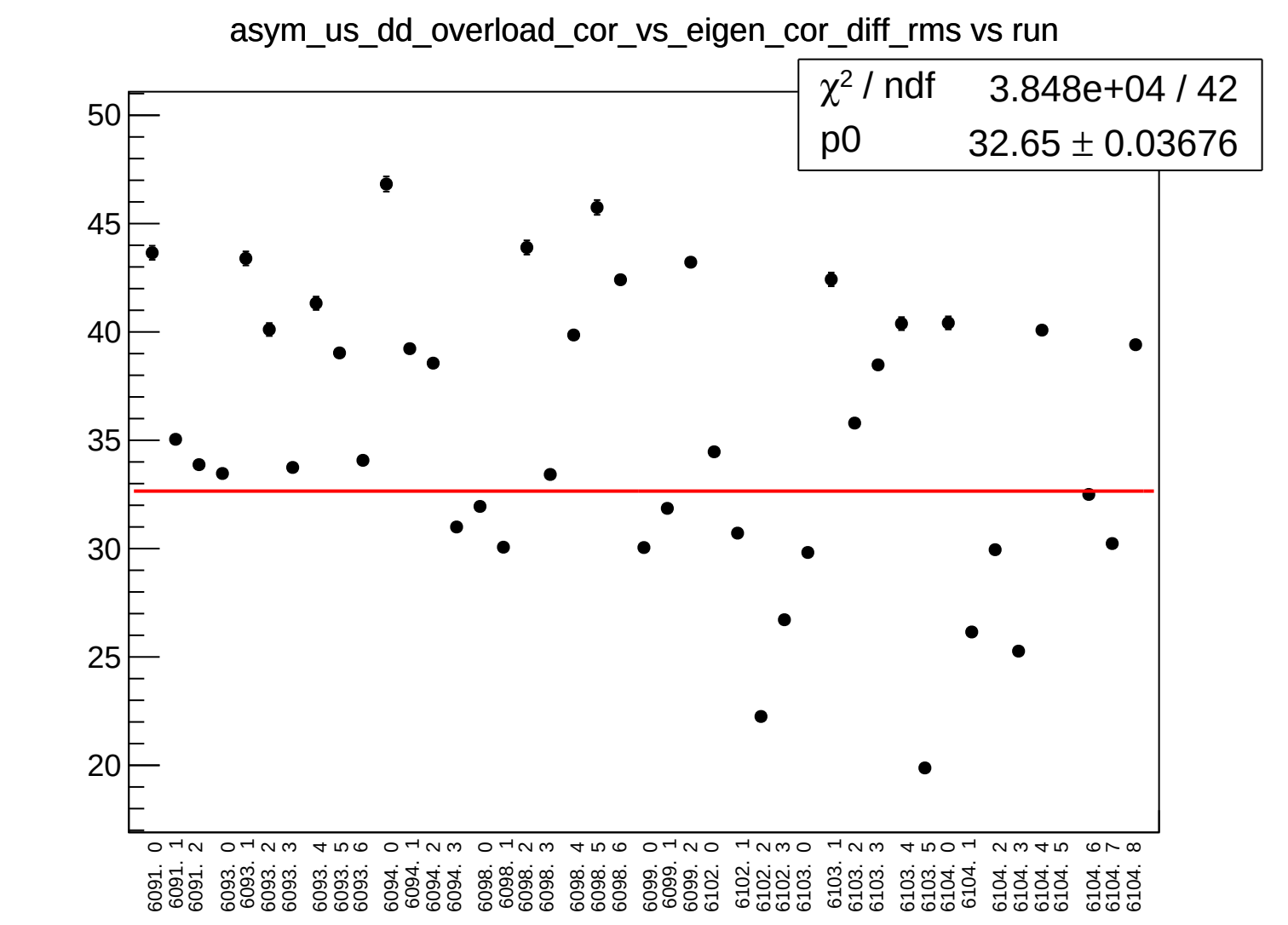

asym_us_dd_overload_cor_vs_cor_diff_mean vs run
χ² / ndf 38.57 / 42
p0 −0.02294 ± 0.05198
pull
Entries 43
Mean 240.6
Std Dev 0

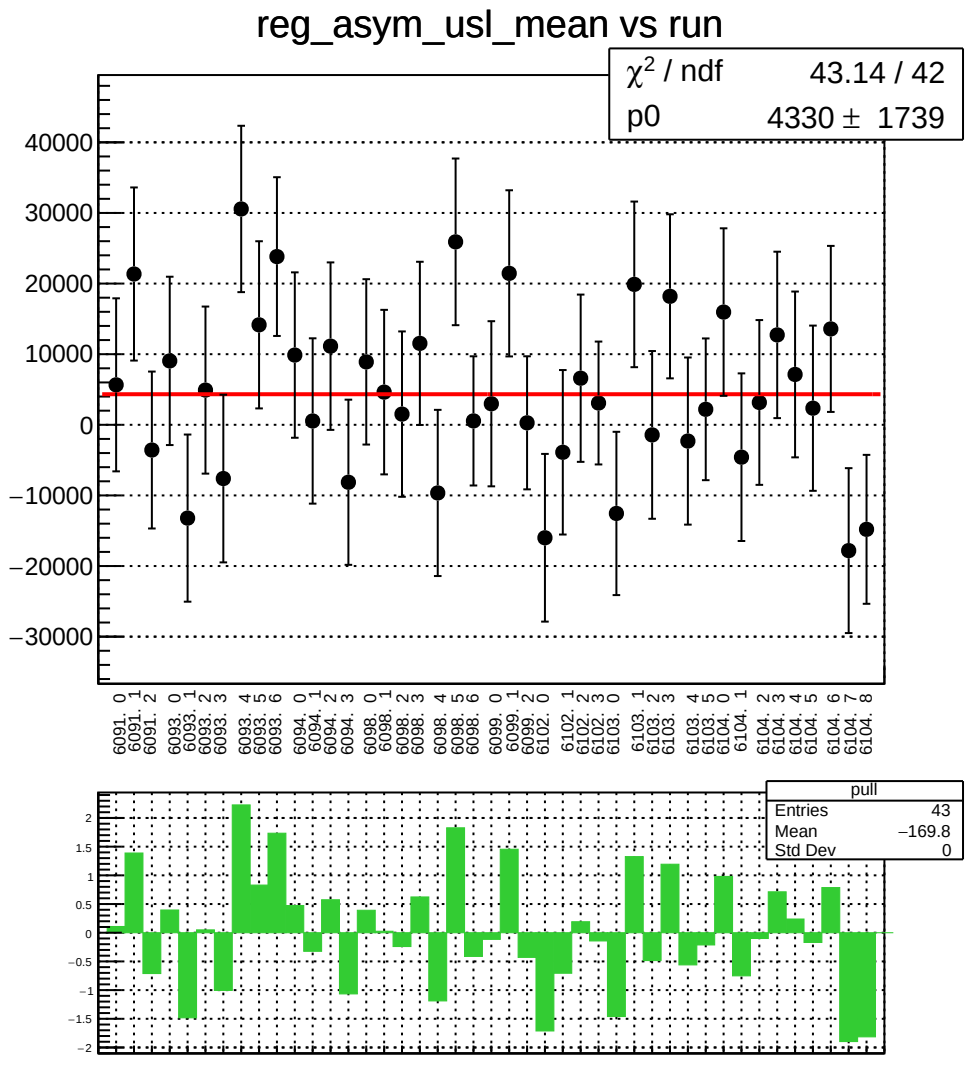

pull1D
Entries 43
Mean 0.01708
Std Dev 0.9469

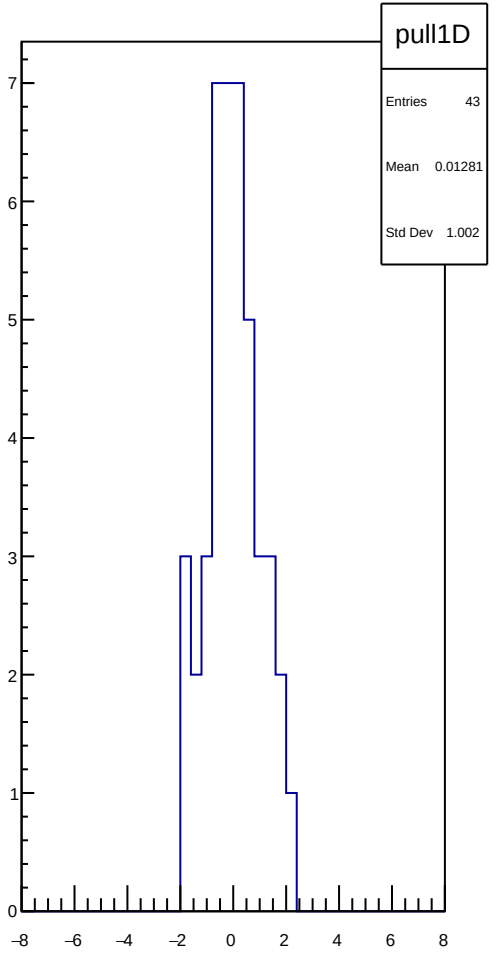

asym_us_dd_overload_cor_vs_cor_diff_rms vs run
χ² / ndf 3.848e+04 / 42
p0 32.65 ± 0.03676
50
45
40
35
30
25
20
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

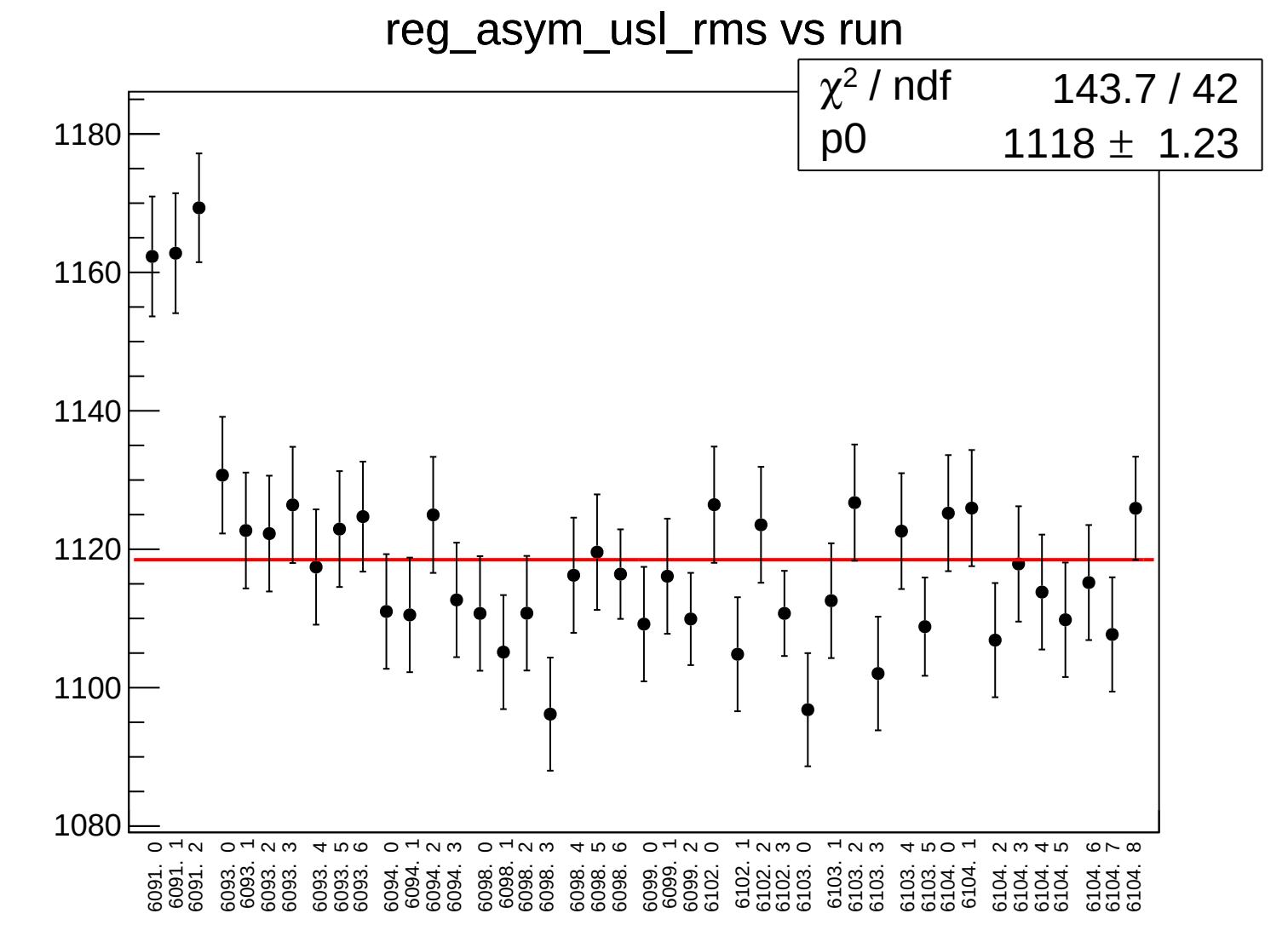

asym_us_dd_overload_cor_vs_eigen_cor_diff_mean vs run
χ² / ndf 38.57 / 42
p0 −0.02294 ± 0.05198
pull
Entries 43
Mean 240.6
Std Dev 0

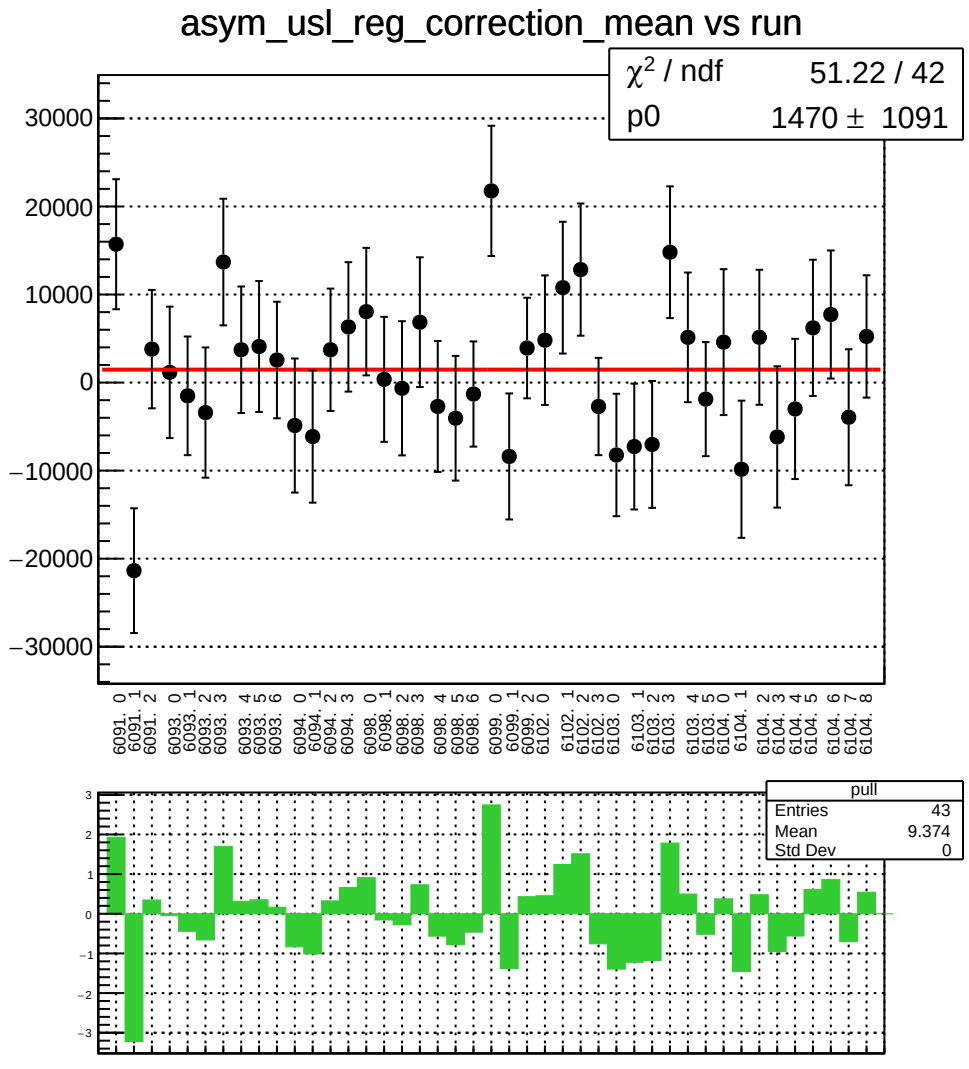

pull1D
Entries 43
Mean 0.01708
Std Dev 0.9469

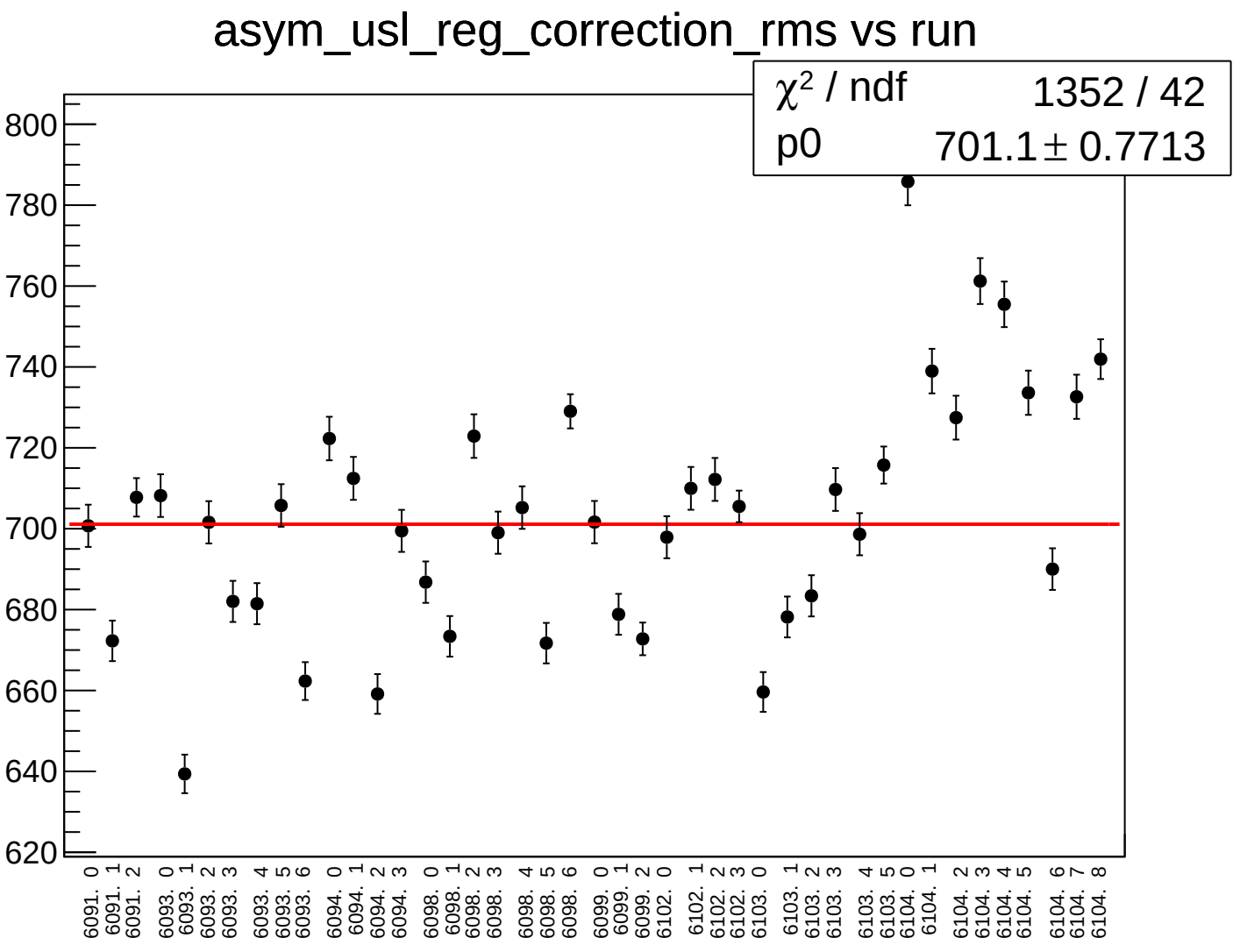

asym_us_dd_overload_cor_vs_eigen_cor_diff_rms vs run
χ² / ndf 3.848e+04 / 42
p0 32.65 ± 0.03676
50
45
40
35
30
25
20
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

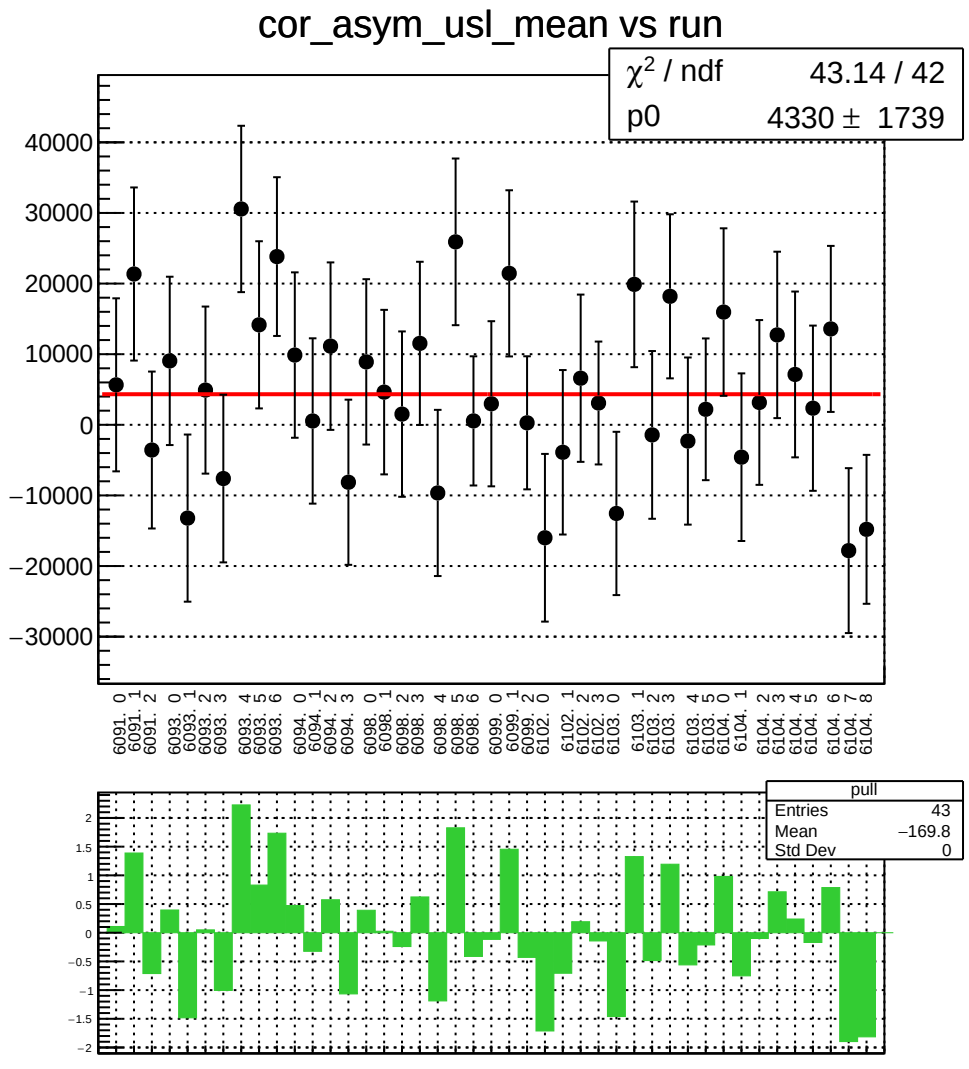

reg_asym_usl_mean vs run
χ² / ndf 43.14 / 42
p0 4330 ± 1739
40000
30000
20000
10000
0
−10000
−20000
−30000
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean −169.8
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

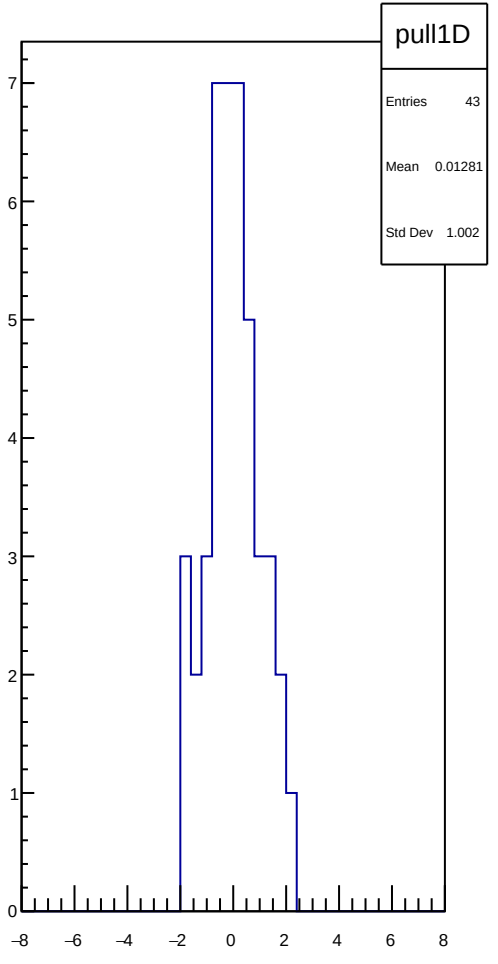

pull1D
Entries 43
Mean 0.01281
Std Dev 1.002
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

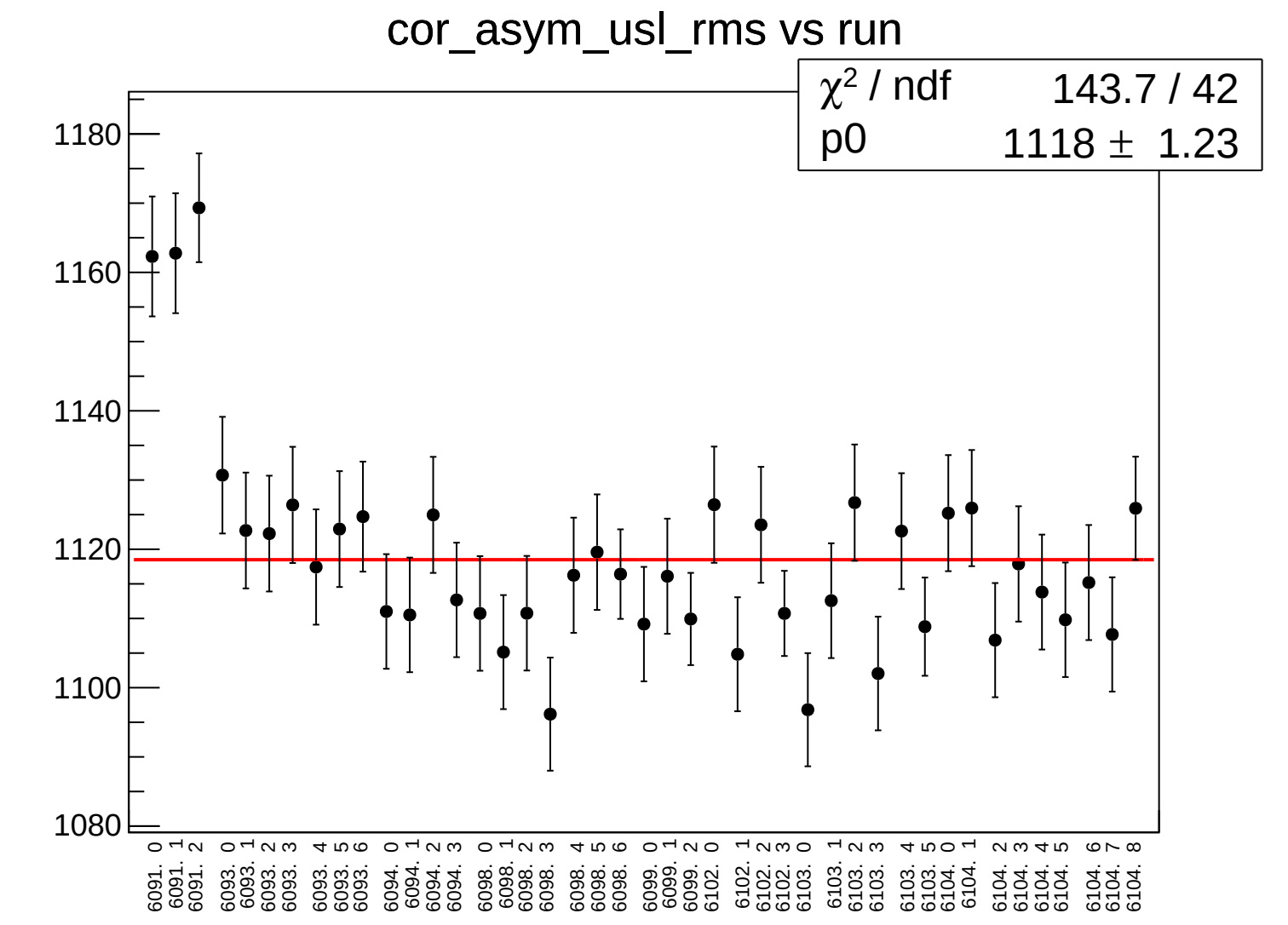

reg_asym_usl_rms vs run
χ² / ndf 143.7 / 42
p0 1118 ± 1.23
1180
1160
1140
1120
1100
1080
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

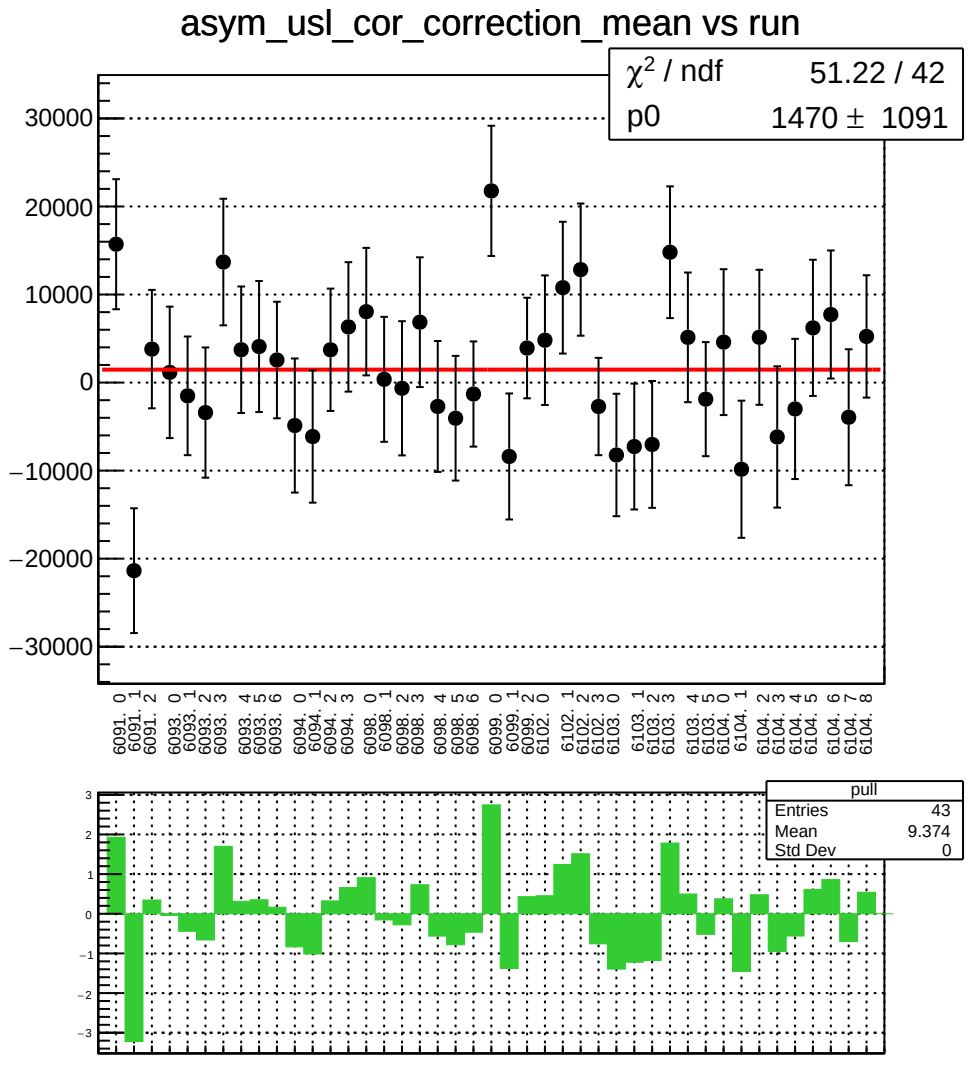

asym_usl_reg_correction_mean vs run
χ² / ndf 51.22 / 42
p0 1470 ± 1091
30000
20000
10000
0
−10000
−20000
−30000
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 9.374
Std Dev 0
3
2
1
0
−1
−2
−3
pull1D
Entries 43
Mean 0.009453
Std Dev 1.091
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

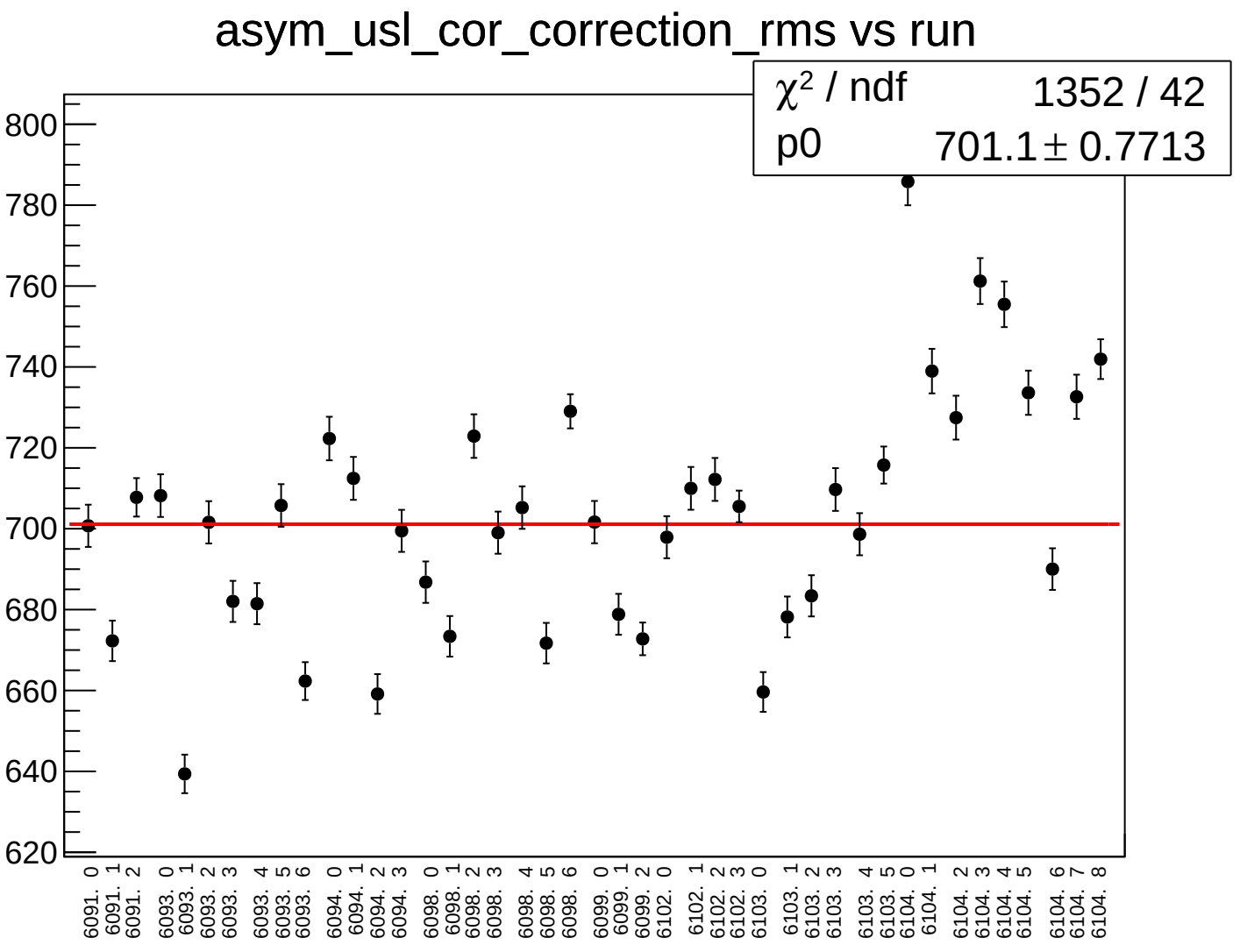

asym_usl_reg_correction_rms vs run
χ² / ndf 1352 / 42
p0 701.1 ± 0.7713
800
780
760
740
720
700
680
660
640
620
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

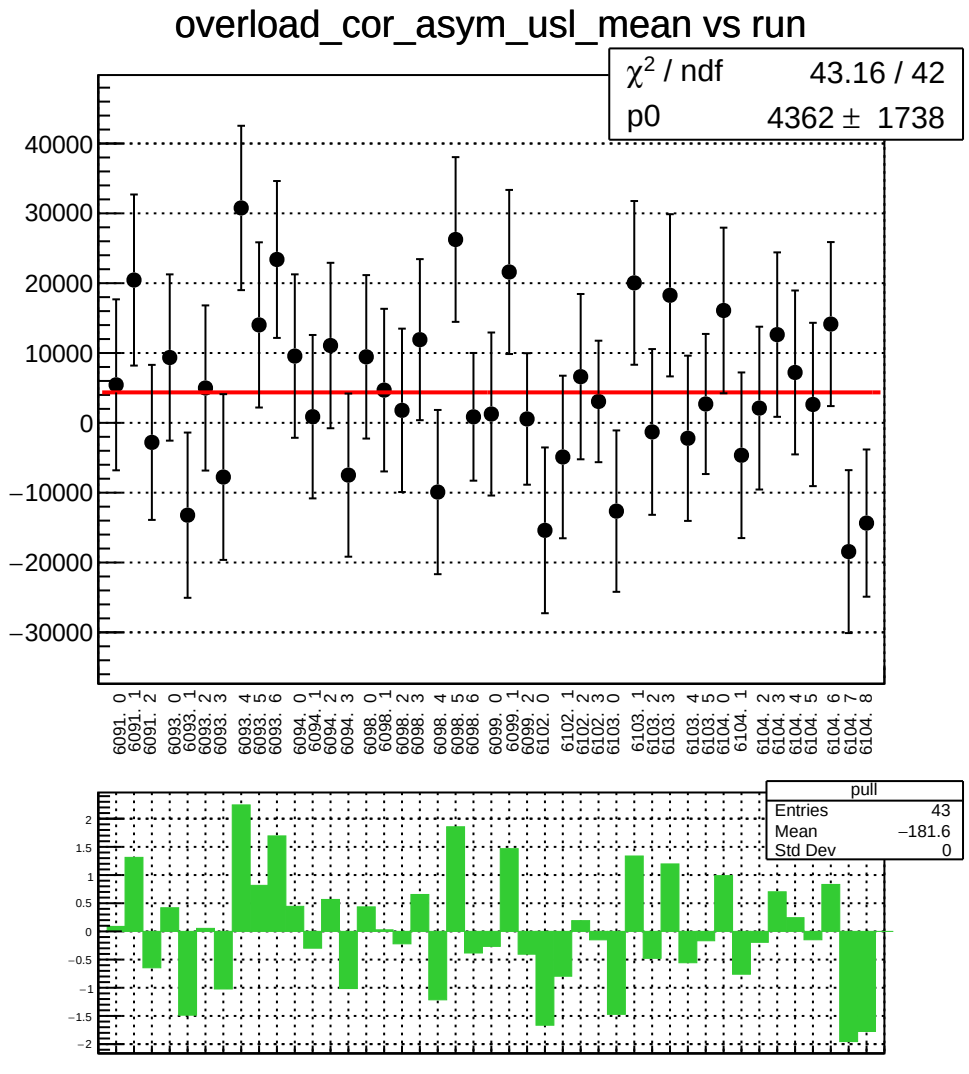

cor_asym_usl_mean vs run
χ² / ndf 43.14 / 42
p0 4330 ± 1739
40000
30000
20000
10000
0
−10000
−20000
−30000
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean −169.8
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

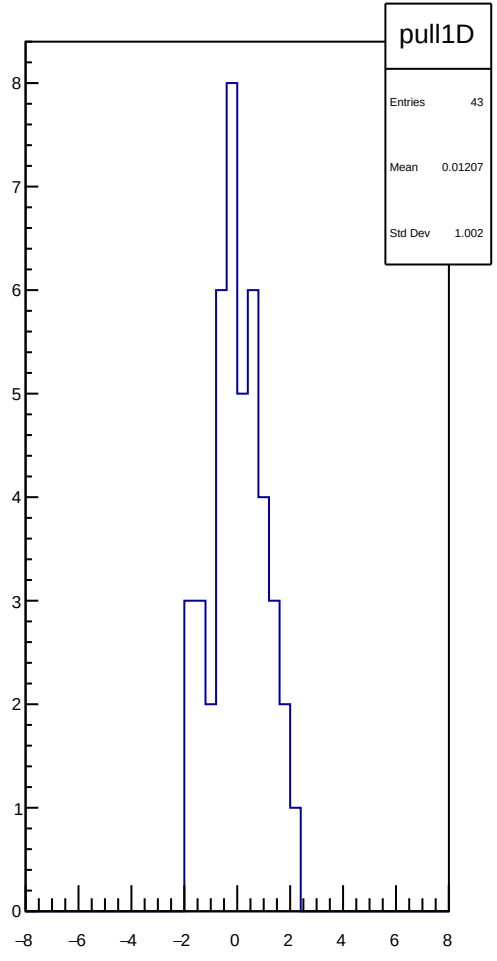

pull1D
Entries 43
Mean 0.01281
Std Dev 1.002
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

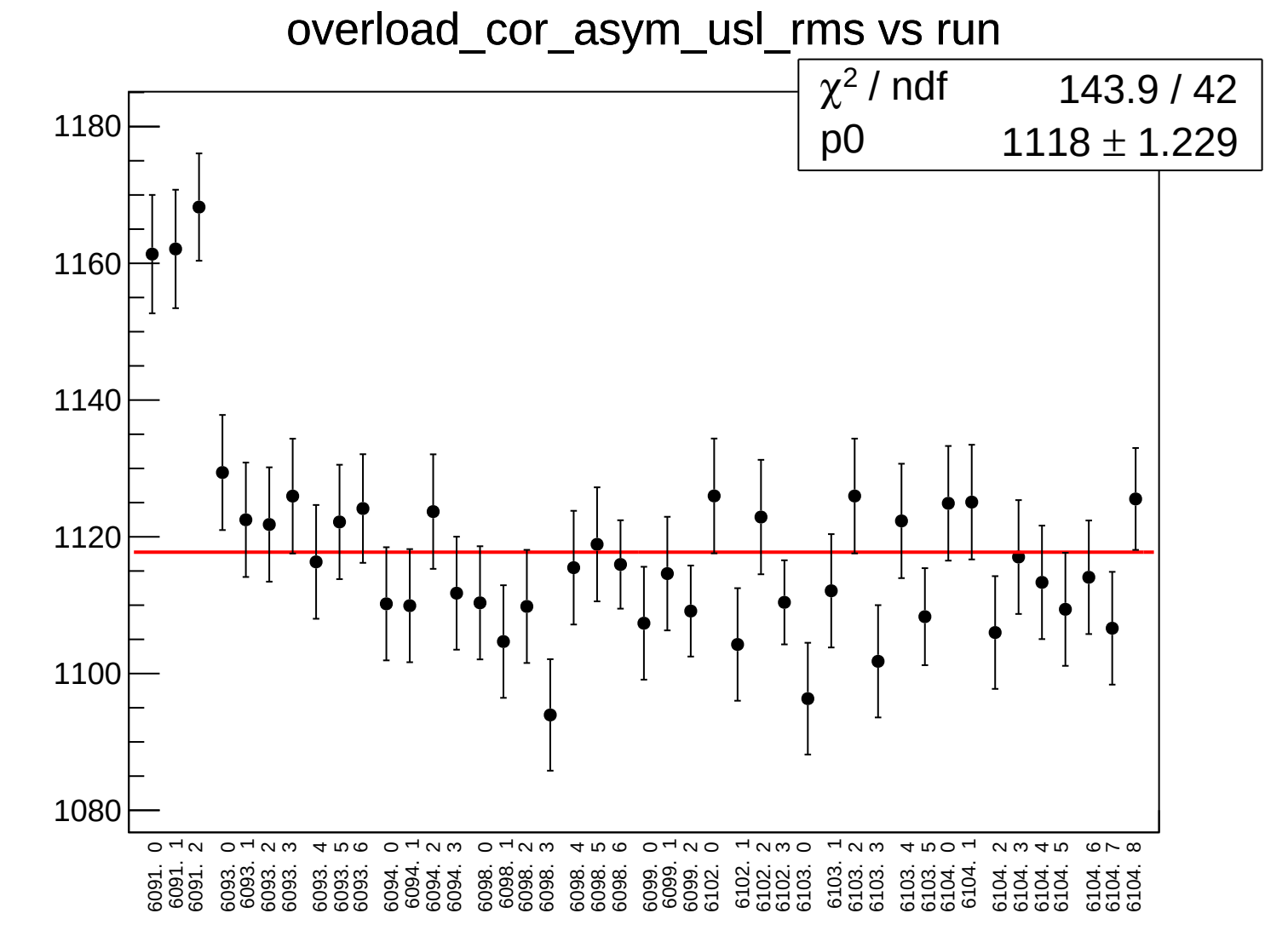

cor_asym_usl_rms vs run
χ² / ndf 143.7 / 42
p0 1118 ± 1.23
1180
1160
1140
1120
1100
1080
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

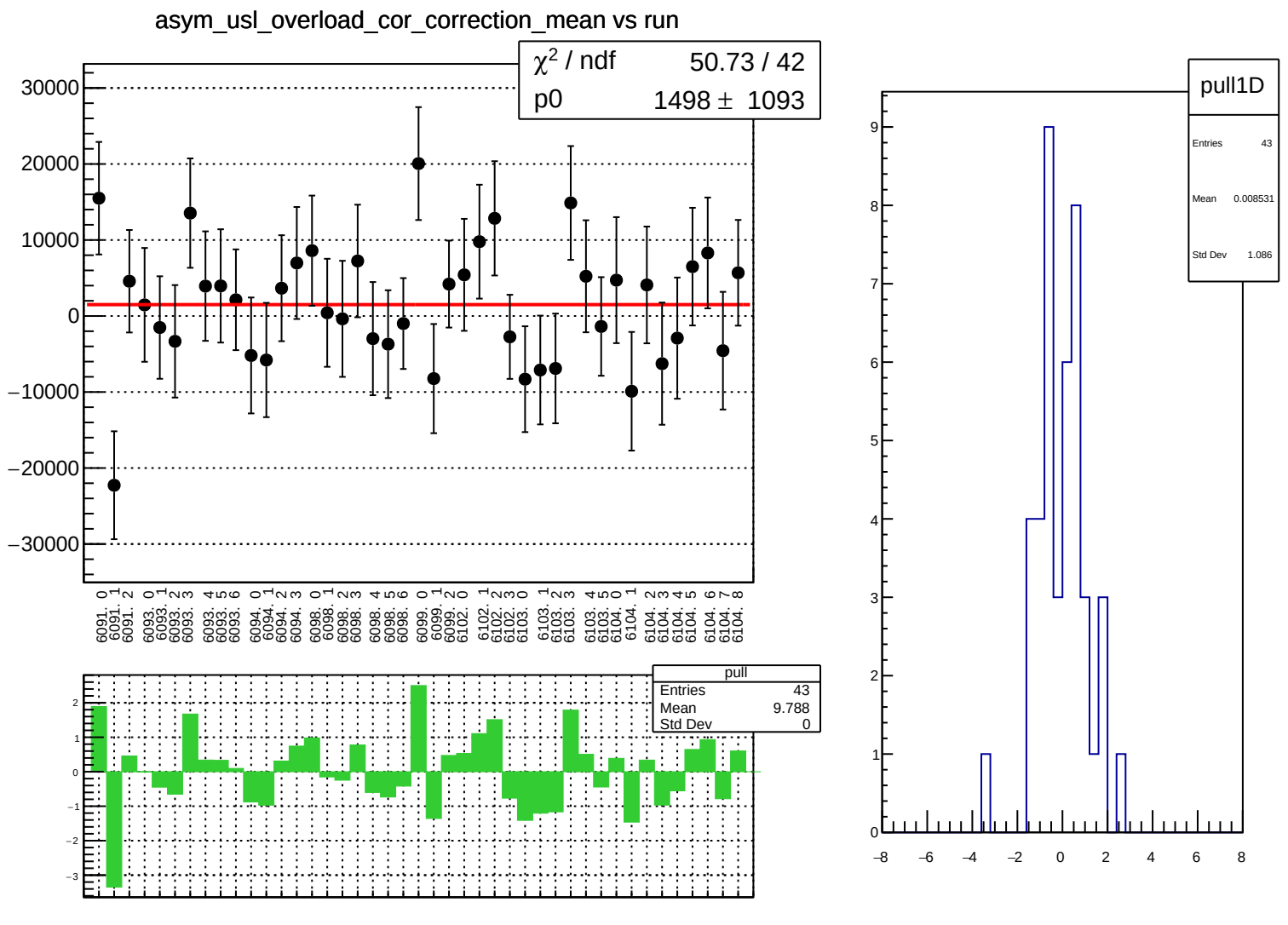

asym_usl_cor_correction_mean vs run
χ² / ndf 51.22 / 42
p0 1470 ± 1091
30000
20000
10000
0
−10000
−20000
−30000
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 9.374
Std Dev 0
3
2
1
0
−1
−2
−3
pull1D
Entries 43
Mean 0.009453
Std Dev 1.091
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

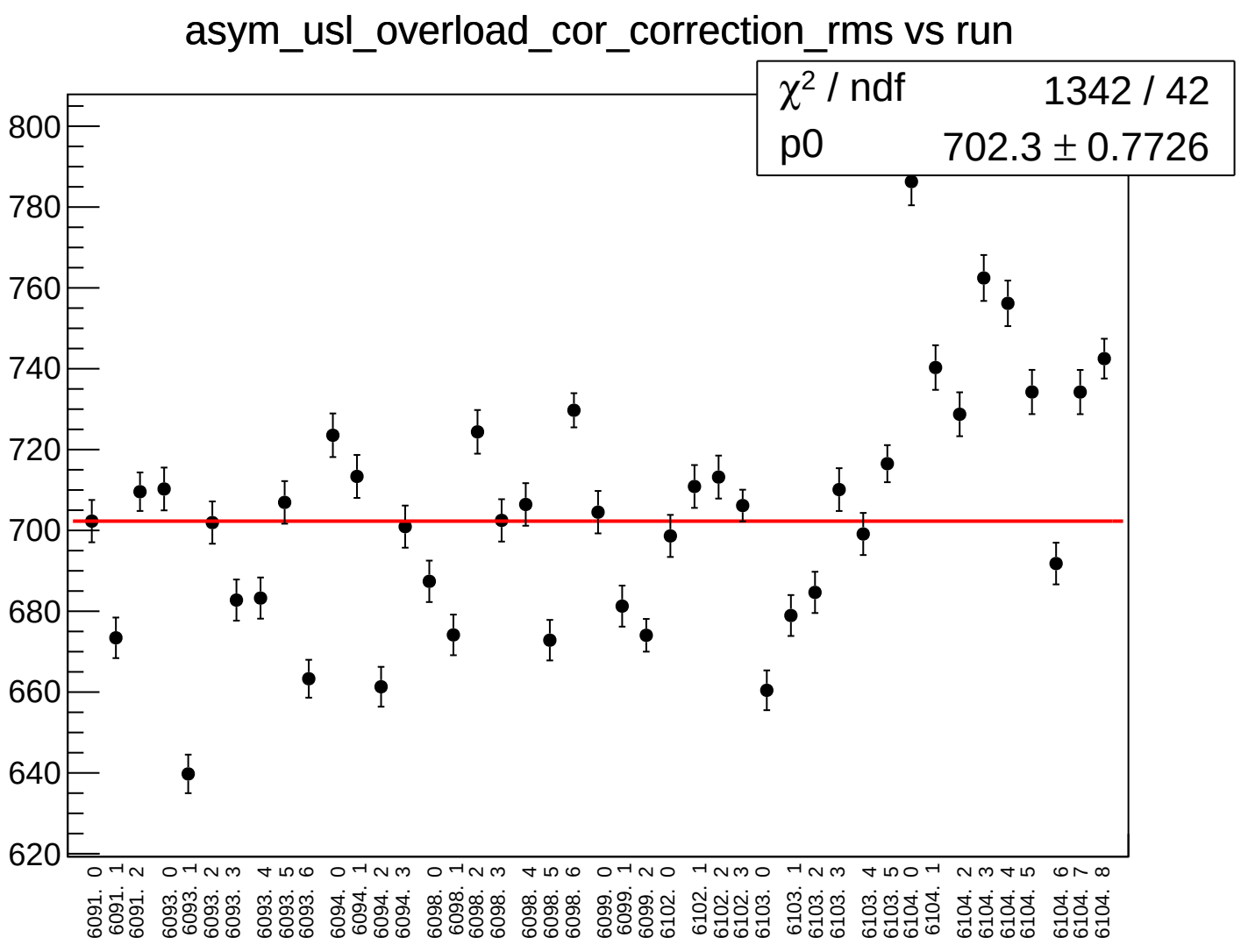

asym_usl_cor_correction_rms vs run
χ² / ndf 1352 / 42
p0 701.1 ± 0.7713
800
780
760
740
720
700
680
660
640
620
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

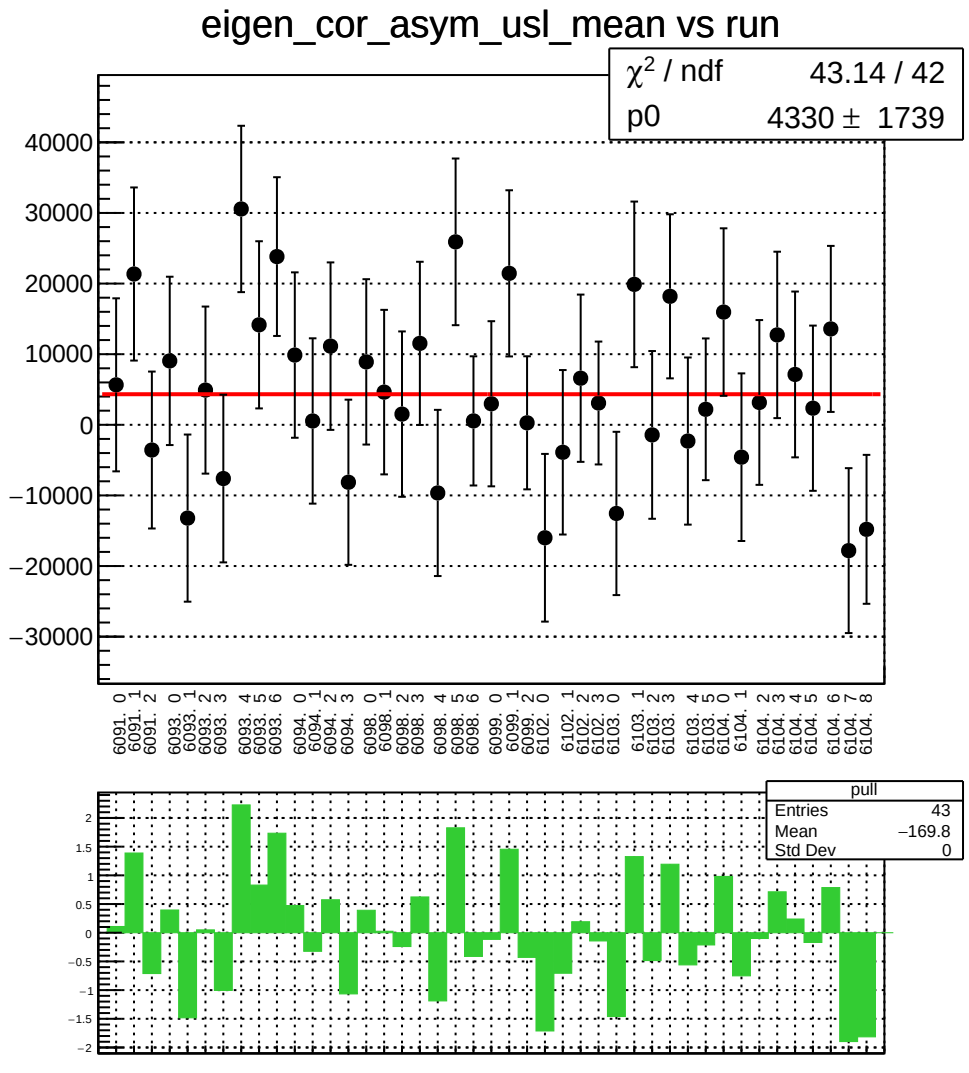

overload_cor_asym_usl_mean vs run
χ² / ndf 43.16 / 42
p0 4362 ± 1738
40000
30000
20000
10000
0
−10000
−20000
−30000
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean −181.6
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

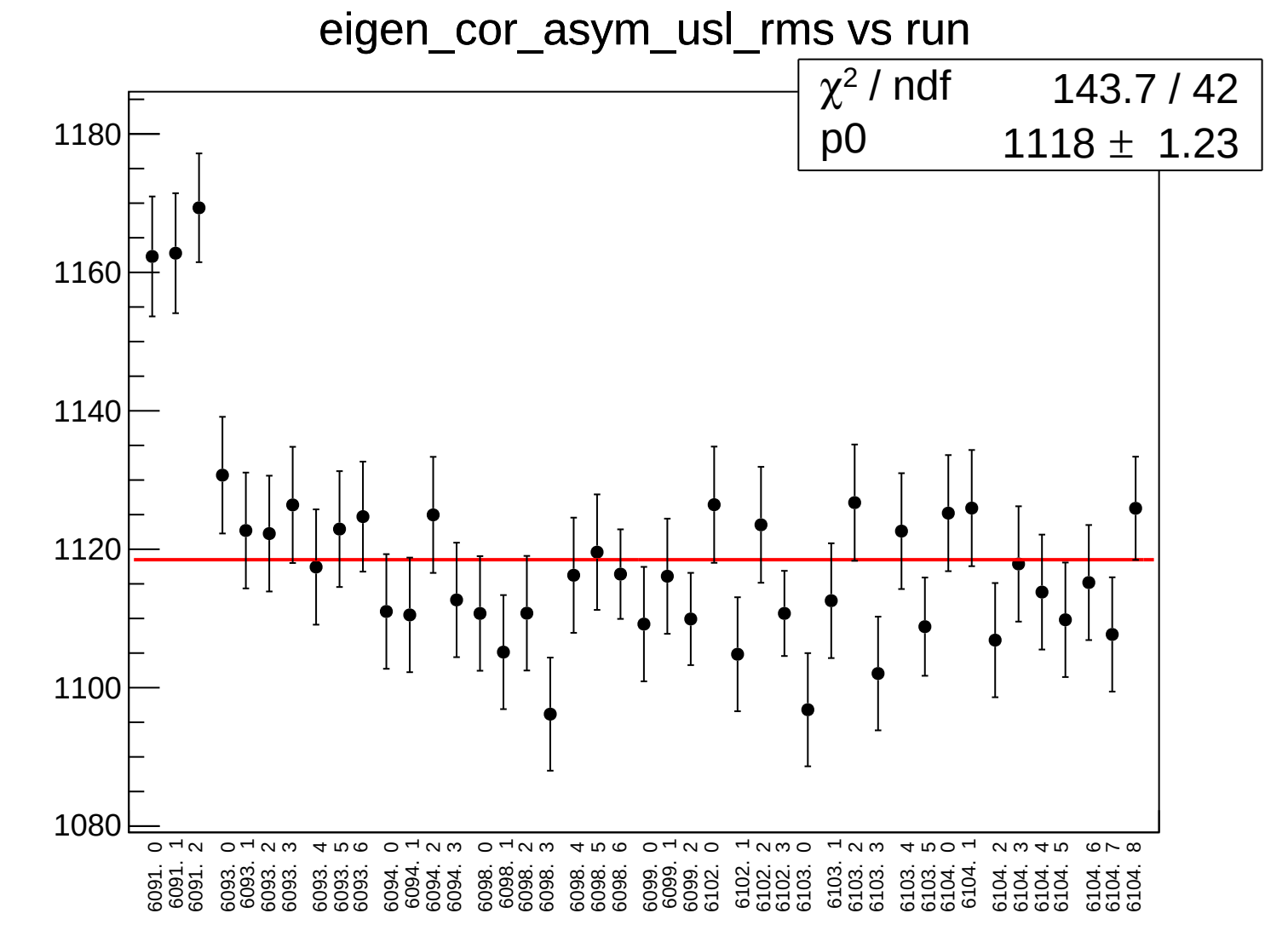

pull1D
Entries 43
Mean 0.01207
Std Dev 1.002
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

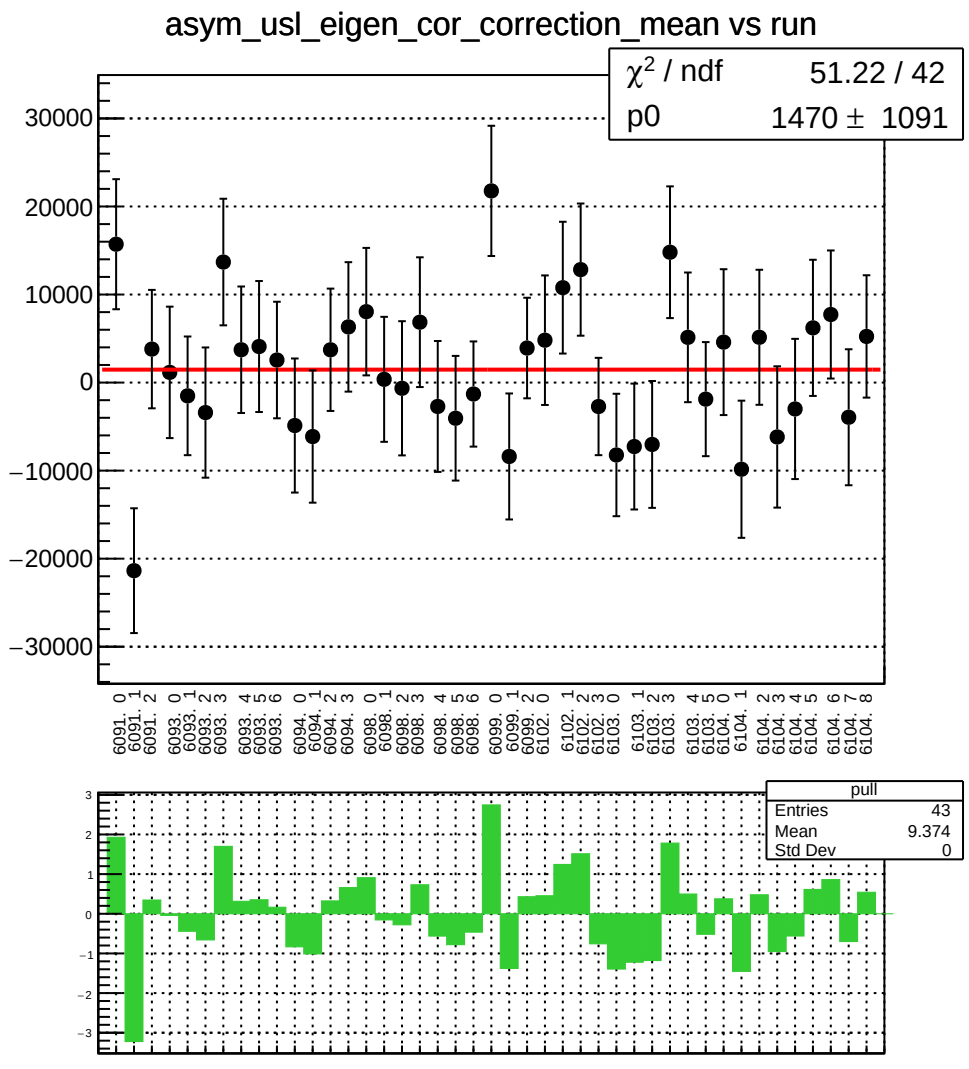

overload_cor_asym_usl_rms vs run
χ² / ndf 143.9 / 42
p0 1118 ± 1.229
1180
1160
1140
1120
1100
1080
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

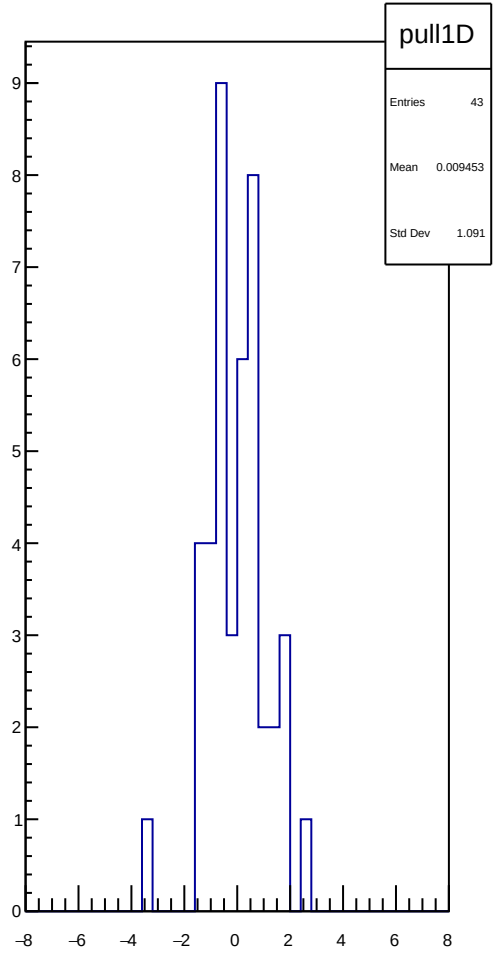

asym_usl_overload_cor_correction_mean vs run
χ² / ndf 50.73 / 42
p0 1498 ± 1093
30000
20000
10000
0
−10000
−20000
−30000
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 9.788
Std Dev 0
2
1
0
−1
−2
−3
pull1D
Entries 43
Mean 0.008531
Std Dev 1.086
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

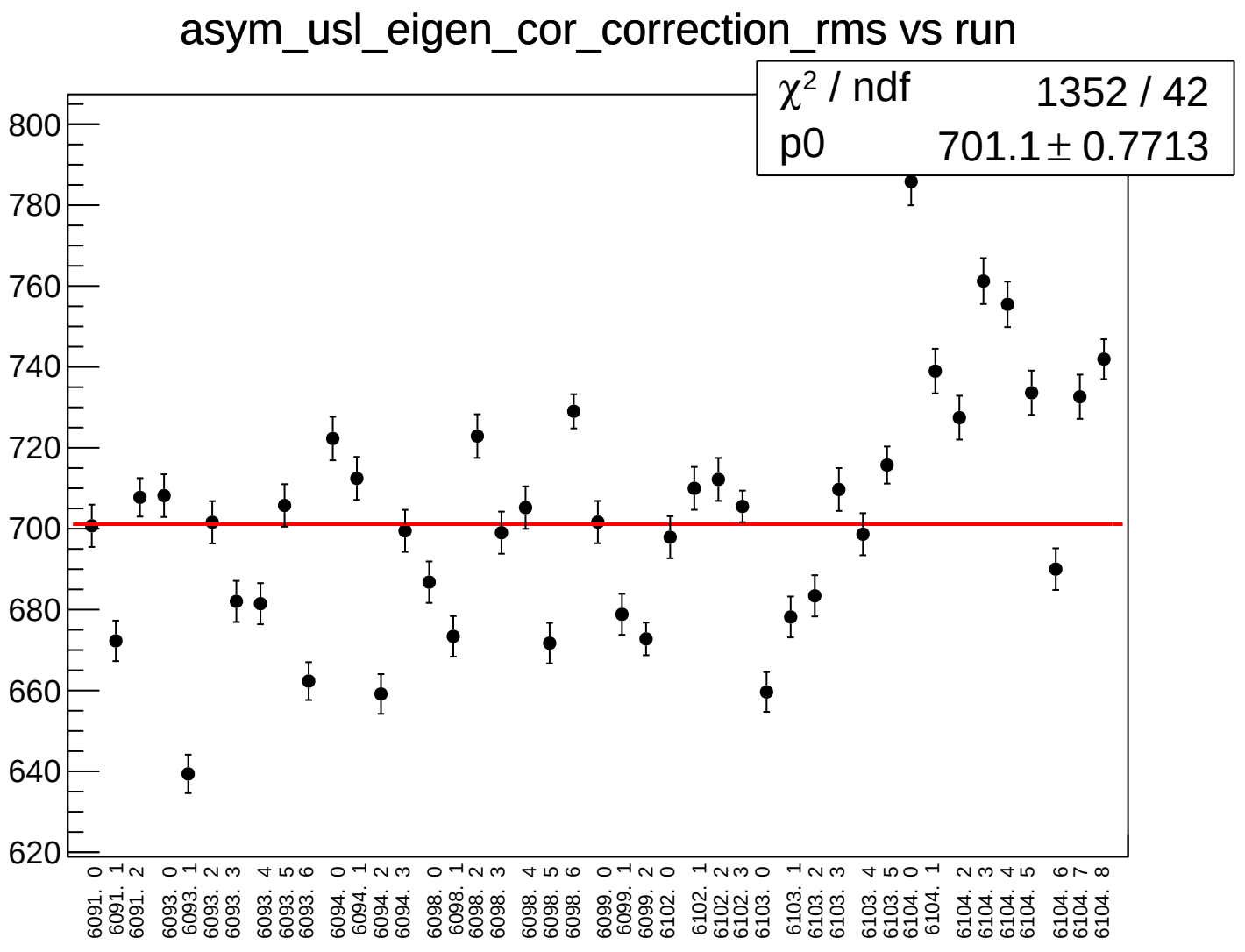

asym_usl_overload_cor_correction_rms vs run
χ² / ndf 1342 / 42
p0 702.3 ± 0.7726
800
780
760
740
720
700
680
660
640
620
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

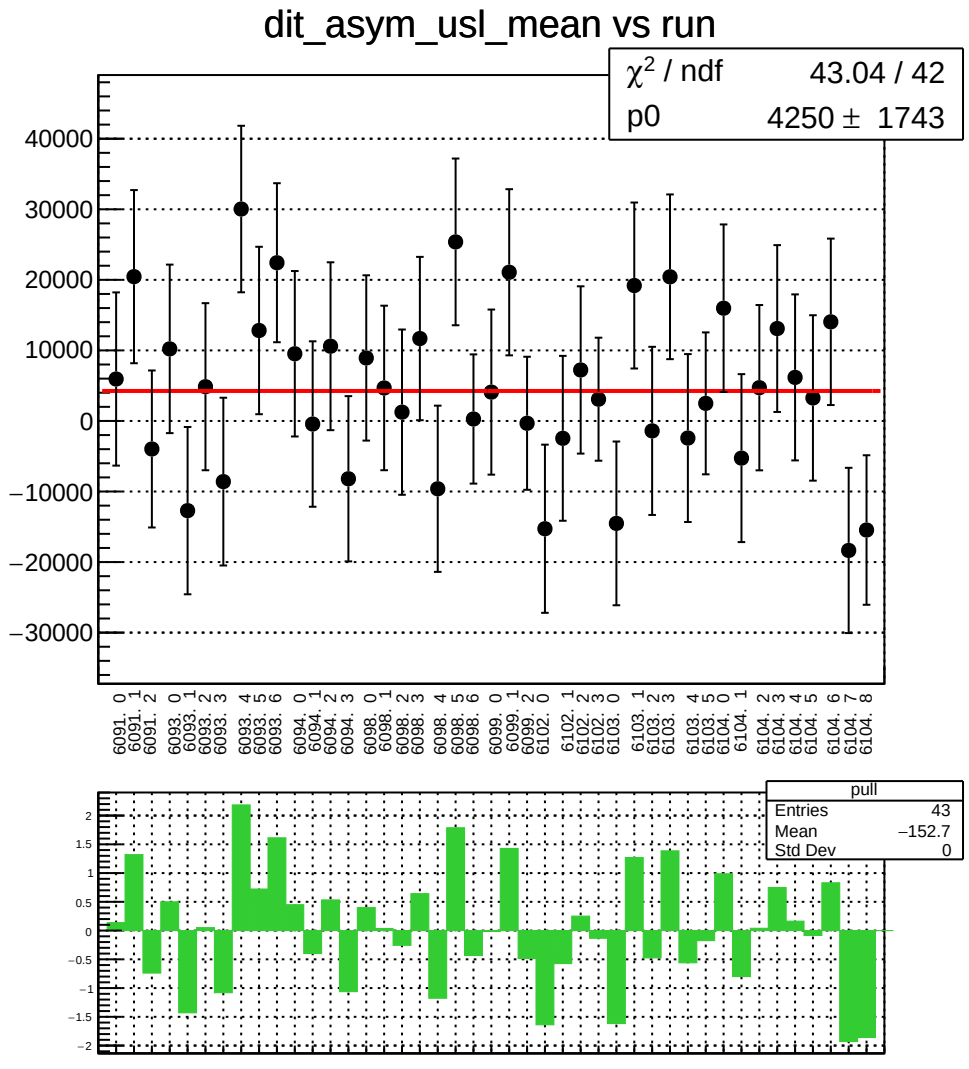

eigen_cor_asym_usl_mean vs run
χ² / ndf 43.14 / 42
p0 4330 ± 1739
40000
30000
20000
10000
0
−10000
−20000
−30000
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean −169.8
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 43
Mean 0.01281
Std Dev 1.002
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

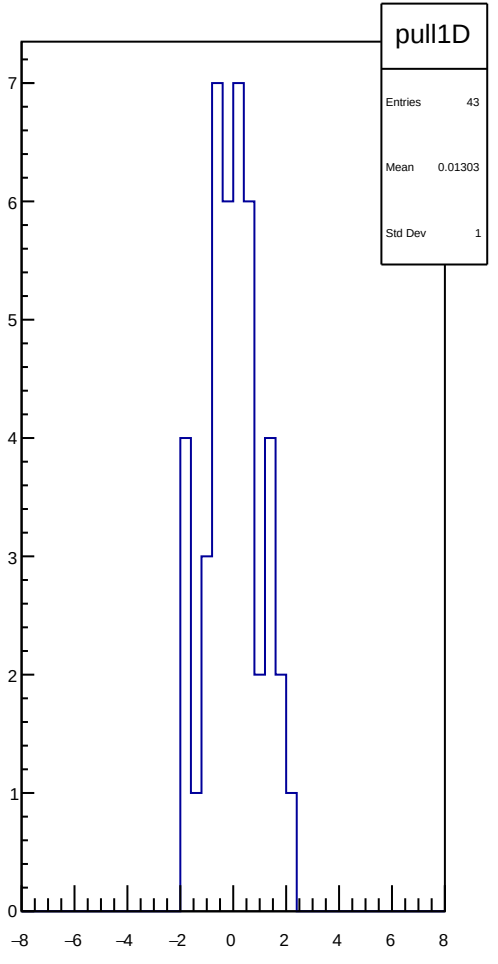

eigen_cor_asym_usl_rms vs run
χ² / ndf 143.7 / 42
p0 1118 ± 1.23
1180
1160
1140
1120
1100
1080
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

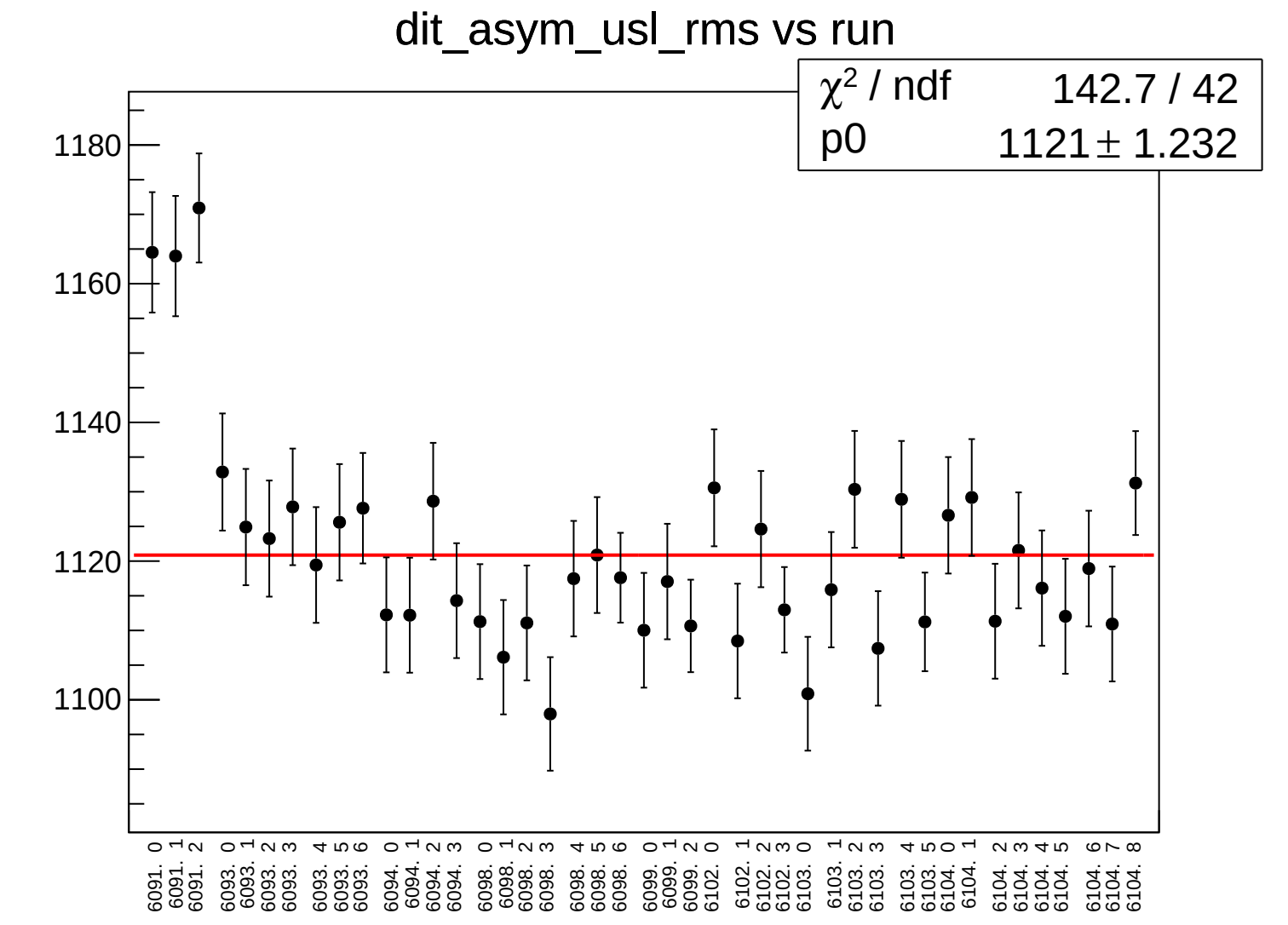

asym_usl_eigen_cor_correction_mean vs run
χ² / ndf 51.22 / 42
p0 1470 ± 1091
30000
20000
10000
0
−10000
−20000
−30000
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 9.374
Std Dev 0
3
2
1
0
−1
−2
−3

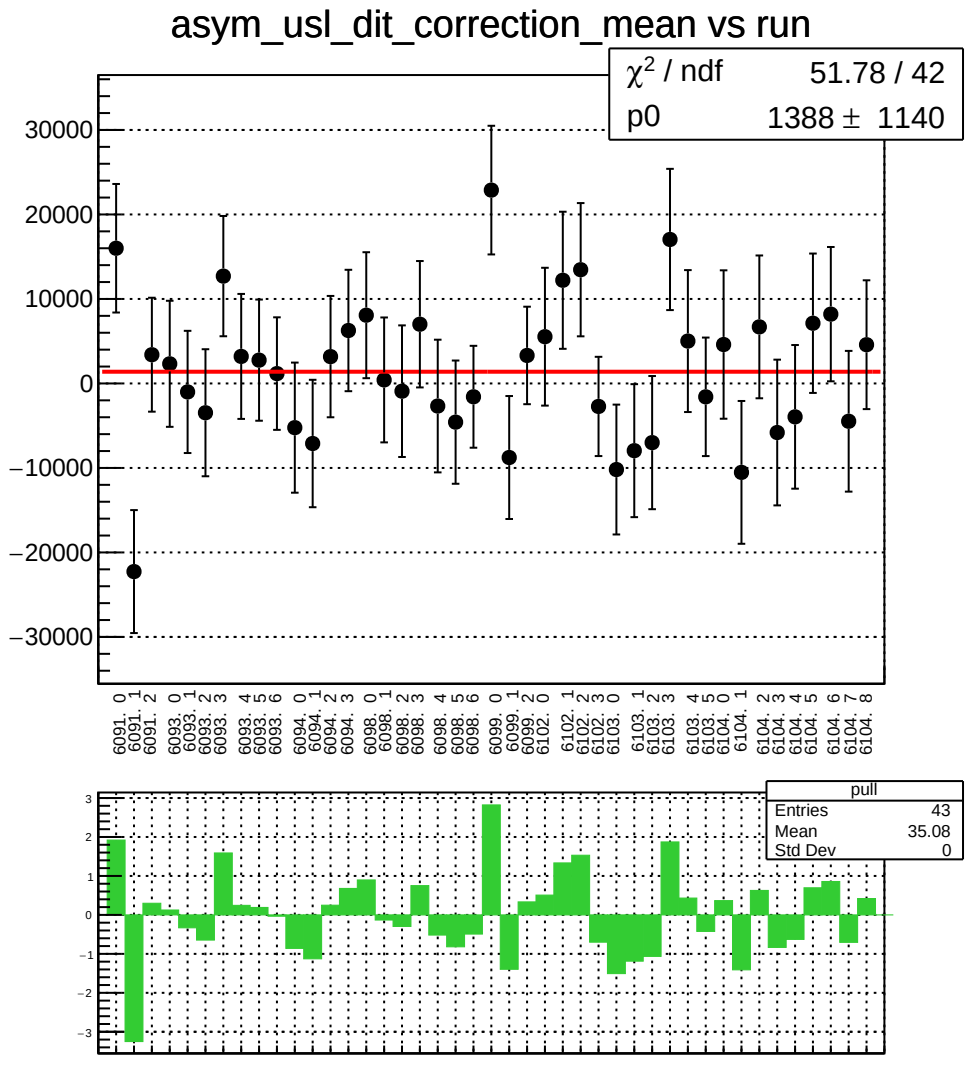

pull1D
Entries 43
Mean 0.009453
Std Dev 1.091
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

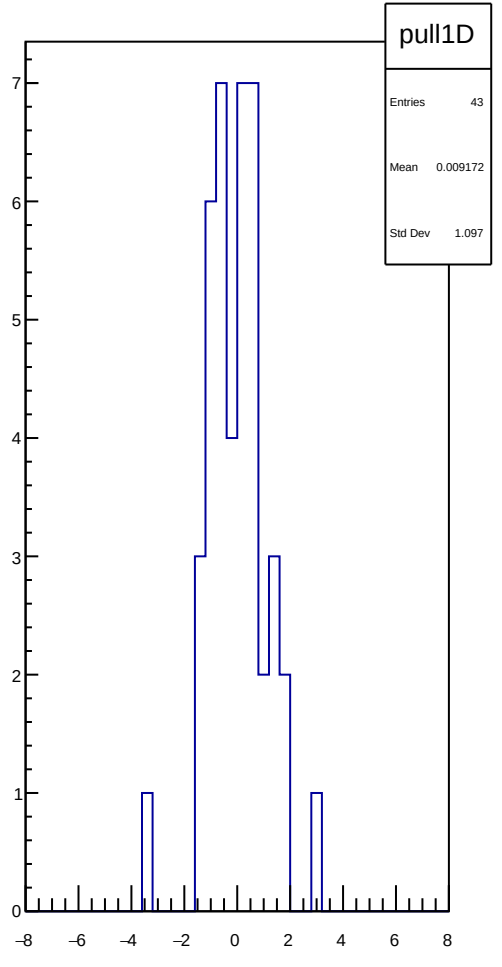

asym_usl_eigen_cor_correction_rms vs run
χ² / ndf 1352 / 42
p0 701.1 ± 0.7713
800
780
760
740
720
700
680
660
640
620
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

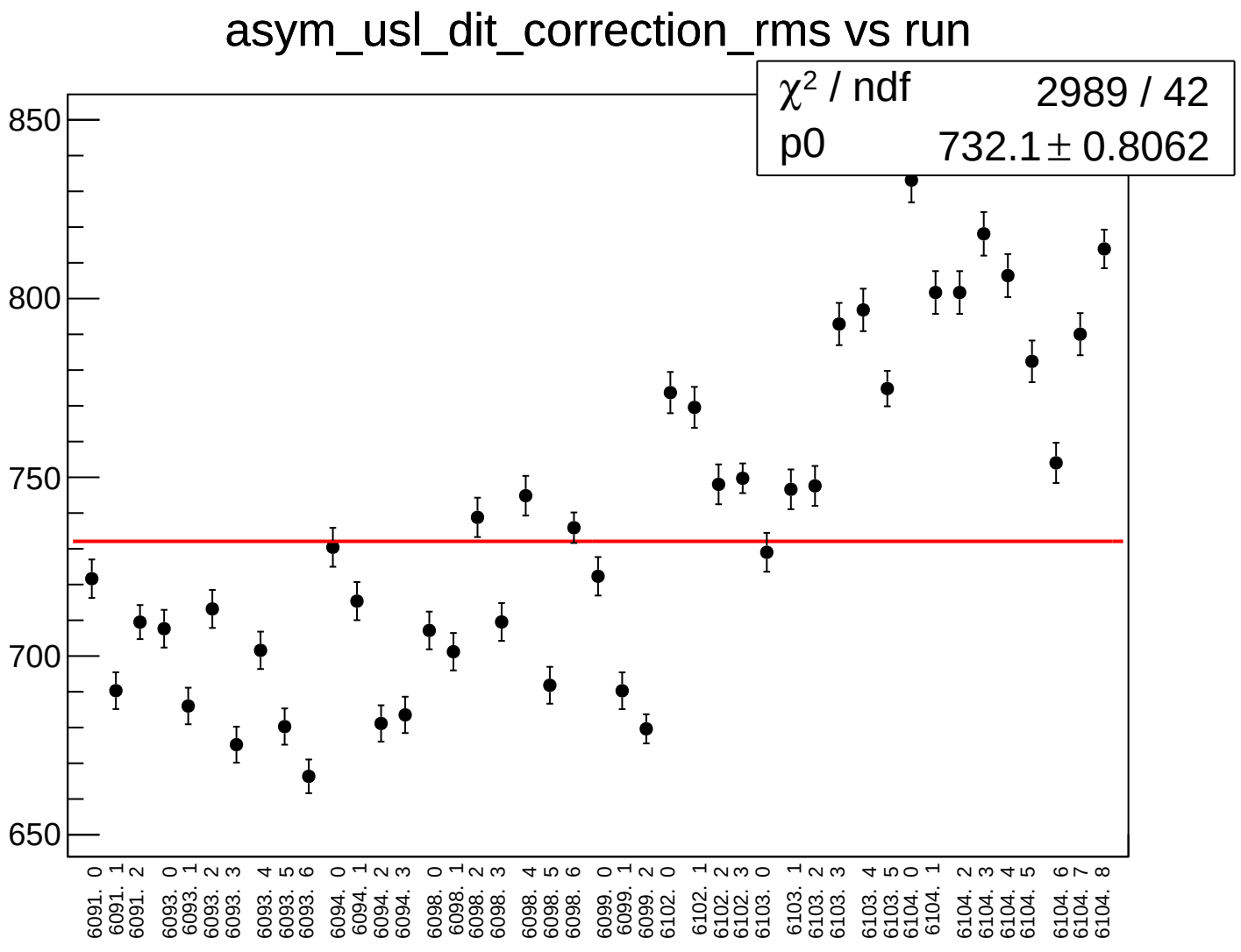

dit_asym_usl_mean vs run
χ² / ndf 43.04 / 42
p0 4250 ± 1743
40000
30000
20000
10000
0
−10000
−20000
−30000
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean −152.7
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

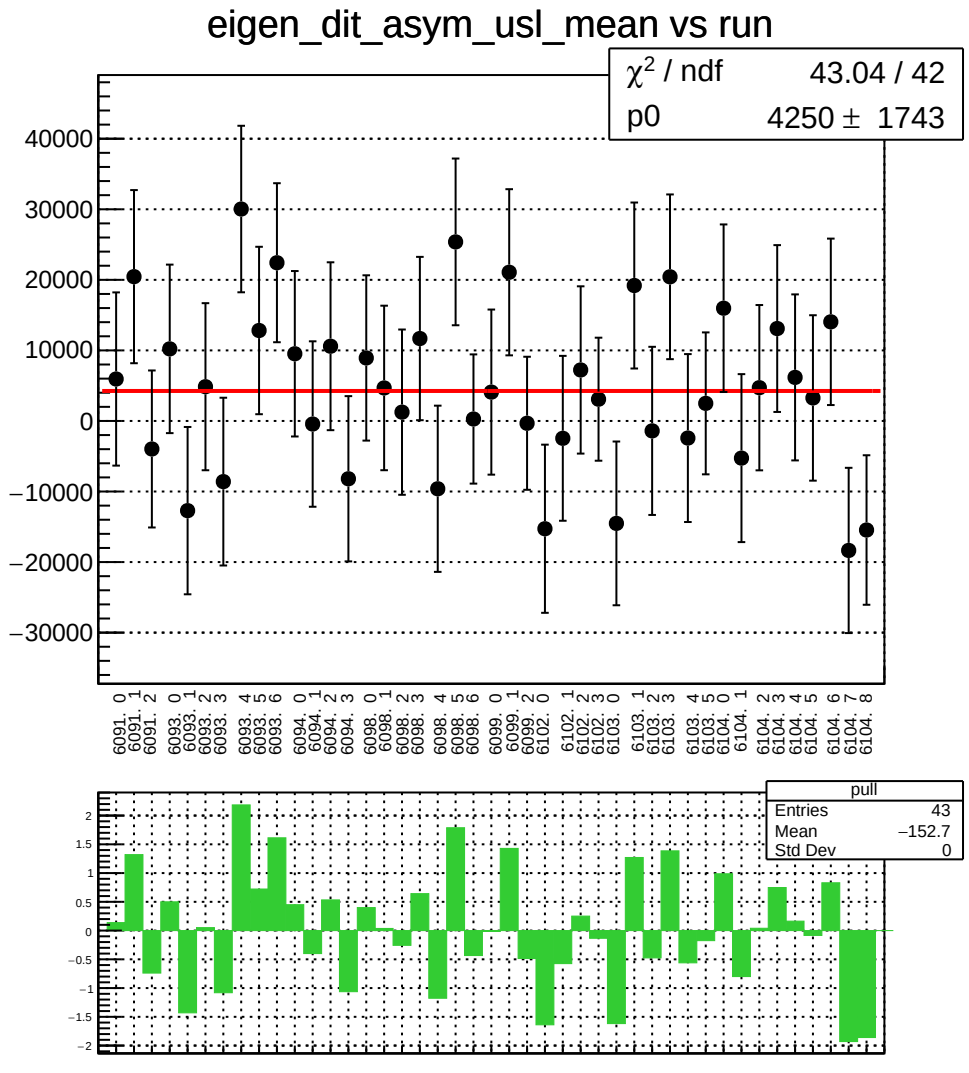

pull1D
Entries 43
Mean 0.01303
Std Dev 1
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

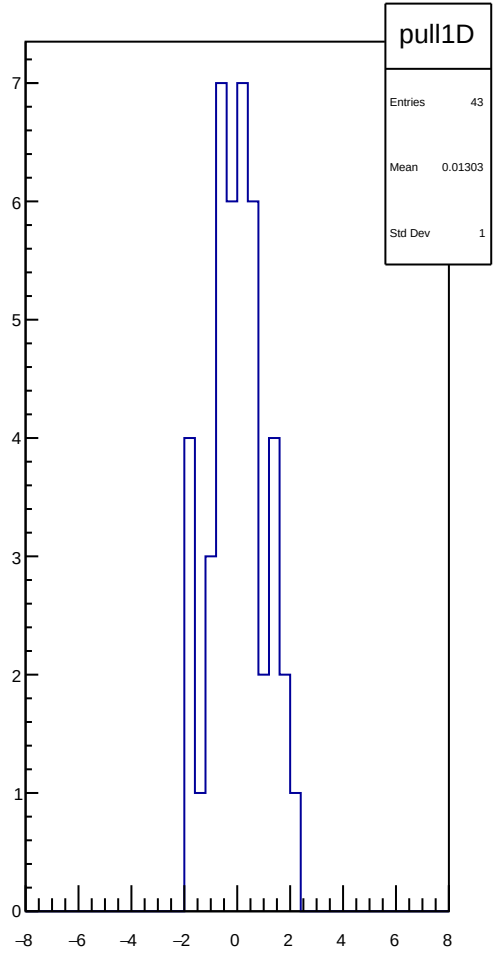

dit_asym_usl_rms vs run
χ² / ndf 142.7 / 42
p0 1121 ± 1.232
1180
1160
1140
1120
1100
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

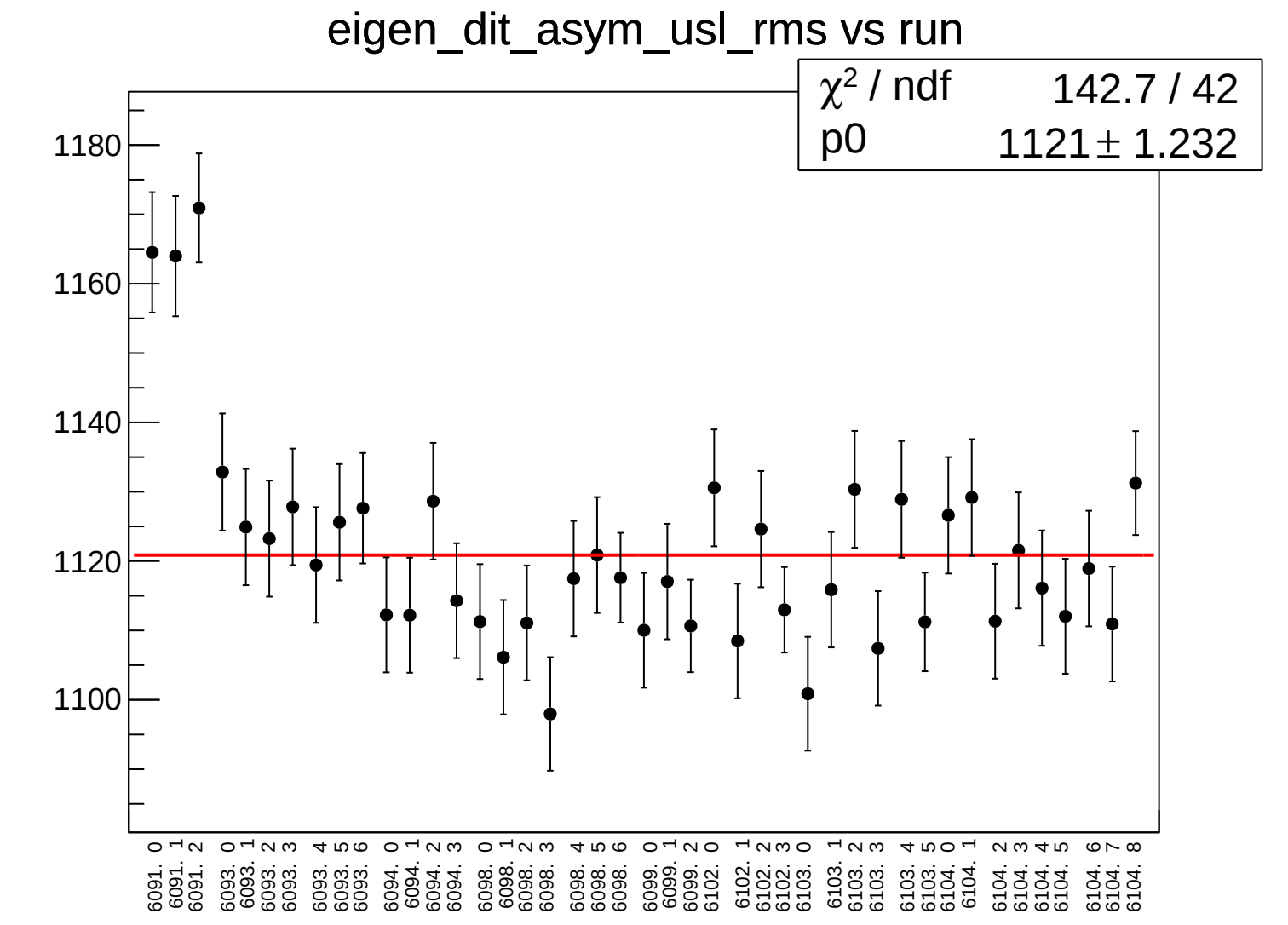

asym_usl_dit_correction_mean vs run
χ² / ndf 51.78 / 42
p0 1388 ± 1140
30000
20000
10000
0
−10000
−20000
−30000
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 35.08
Std Dev 0
3
2
1
0
−1
−2
−3


pull1D
Entries 43
Mean 0.009172
Std Dev 1.097
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


asym_usl_dit_correction_rms vs run
χ² / ndf 2989 / 42
p0 732.1 ± 0.8062
850
800
750
700
650
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8


eigen_dit_asym_usl_mean vs run
χ² / ndf 43.04 / 42
p0 4250 ± 1743
40000
30000
20000
10000
0
−10000
−20000
−30000
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean −152.7
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2


pull1D
Entries 43
Mean 0.01303
Std Dev 1
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


eigen_dit_asym_usl_rms vs run
χ² / ndf 142.7 / 42
p0 1121 ± 1.232
1180
1160
1140
1120
1100
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
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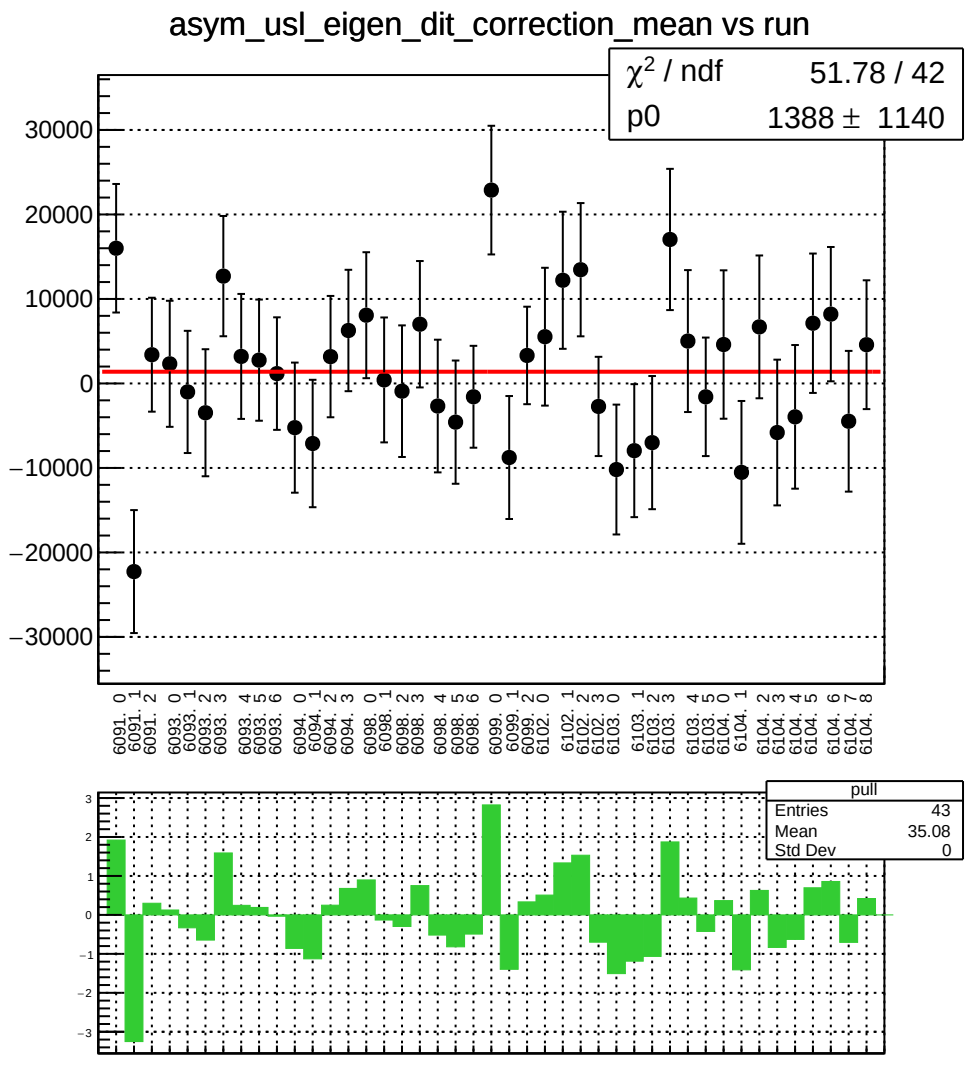
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8


asym_usl_eigen_dit_correction_mean vs run
χ² / ndf 51.78 / 42
p0 1388 ± 1140
30000
20000
10000
0
−10000
−20000
−30000
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
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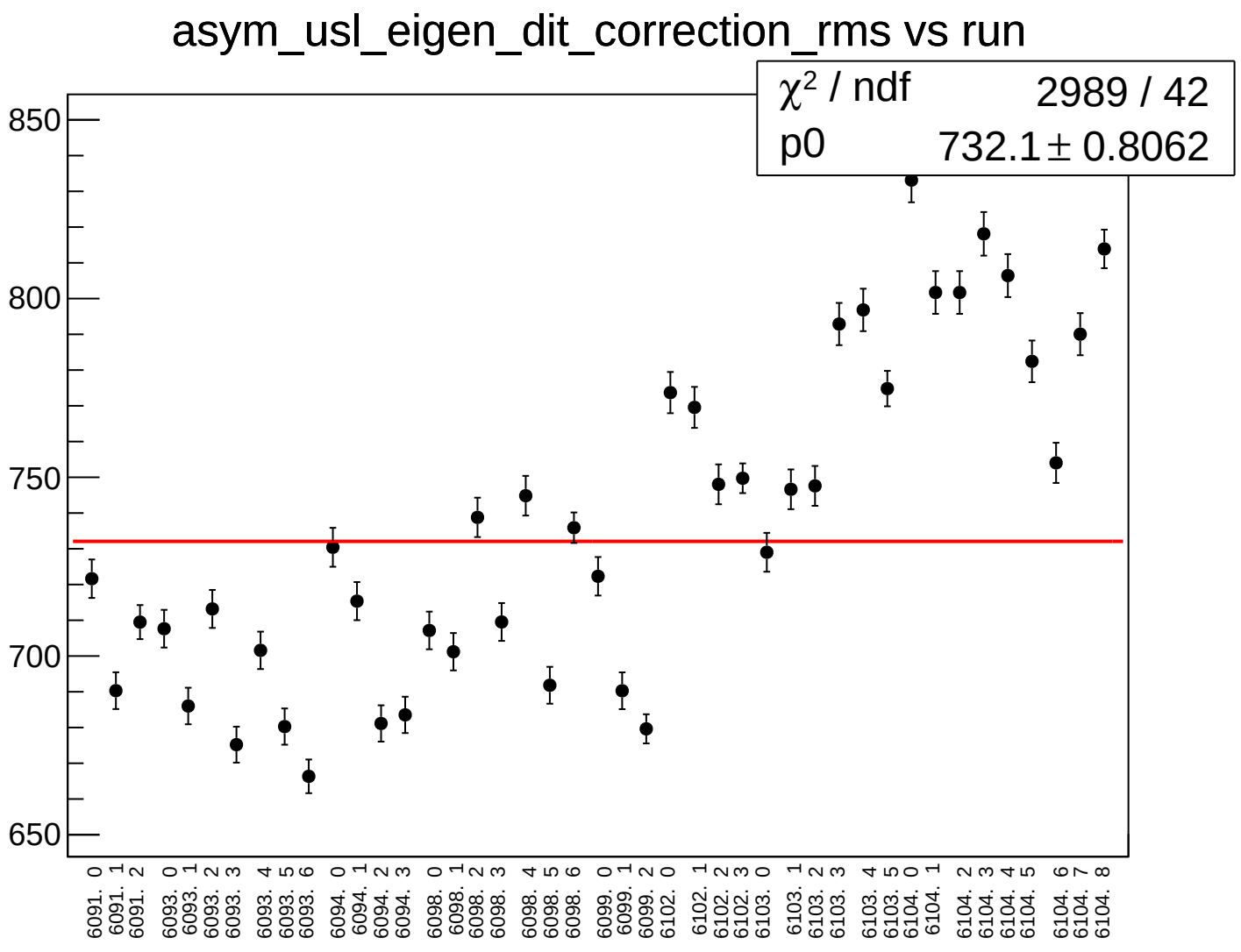
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 35.08
Std Dev 0
3
2
1
0
−1
−2
−3
pull1D
Entries 43
Mean 0.009172
Std Dev 1.097
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


asym_usl_eigen_dit_correction_rms vs run
χ² / ndf 2989 / 42
p0 732.1 ± 0.8062
850
800
750
700
650
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
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6104. 2
6104. 3
6104. 4
6104. 5
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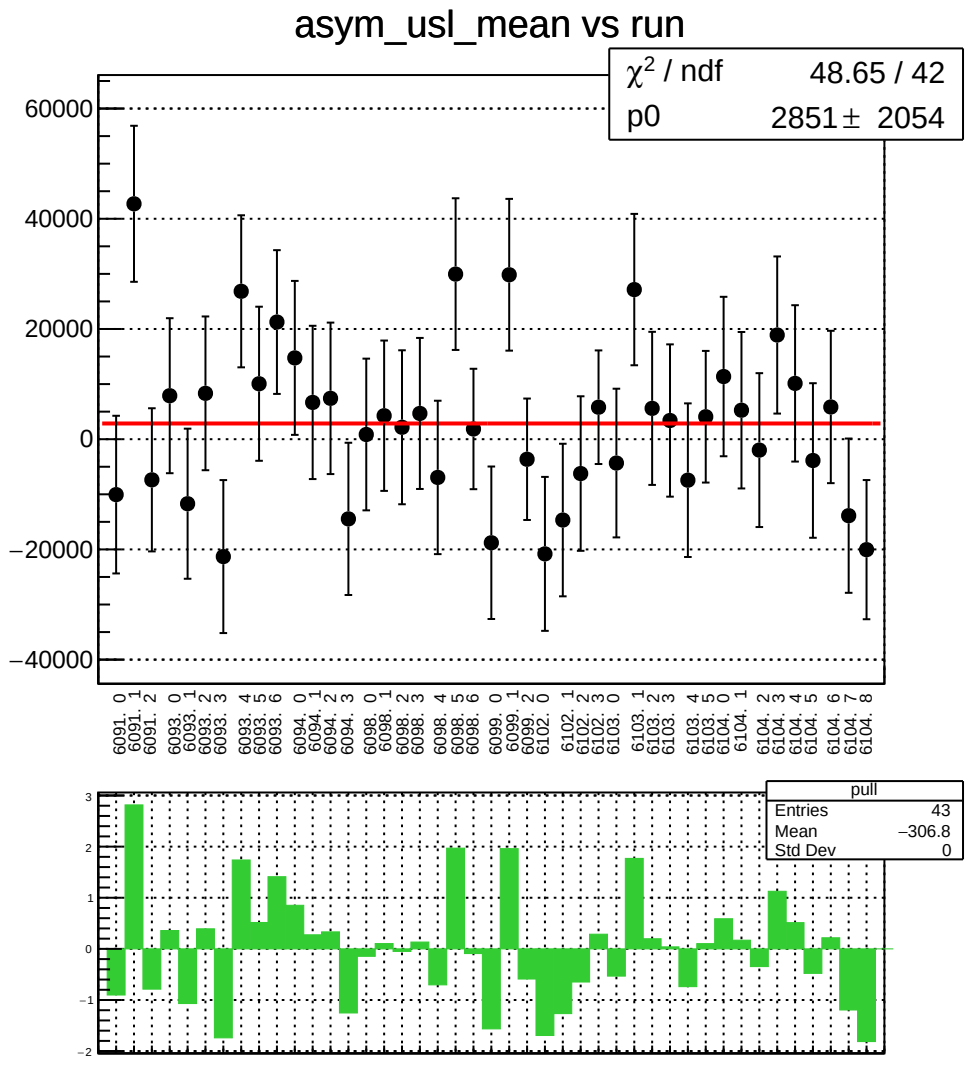
6104. 7
6104. 8


asym_usl_mean vs run
χ² / ndf 48.65 / 42
p0 2851 ± 2054
60000
40000
20000
0
−20000
−40000
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
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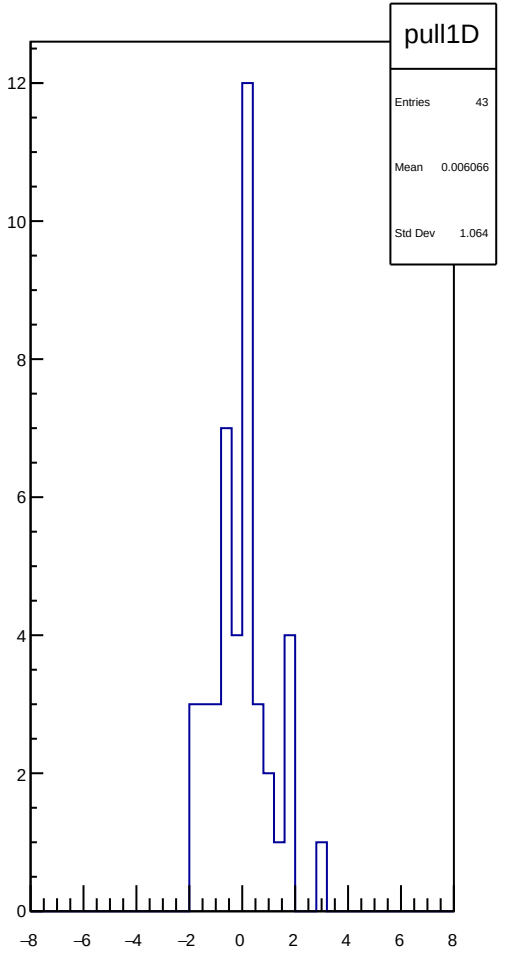
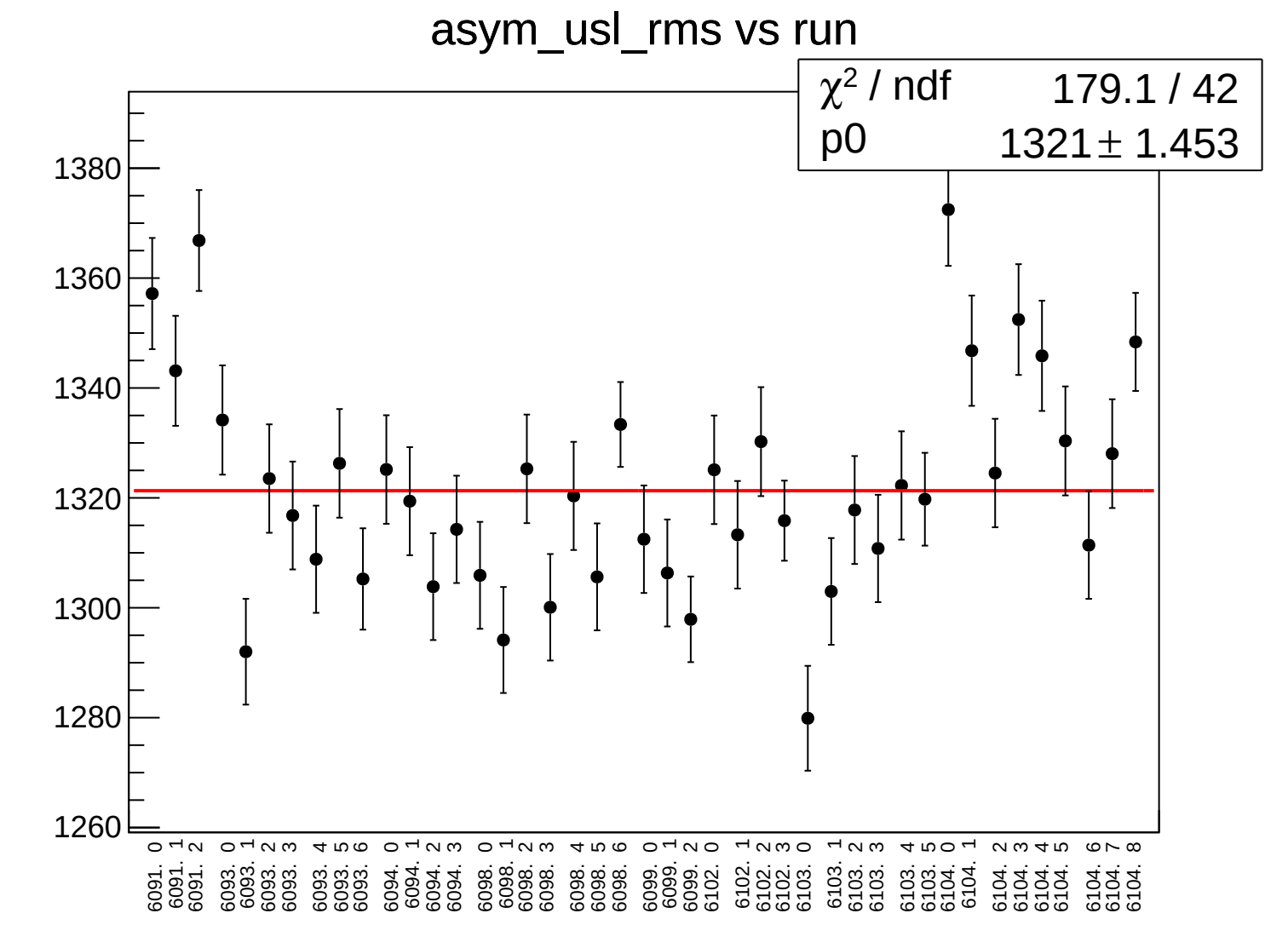
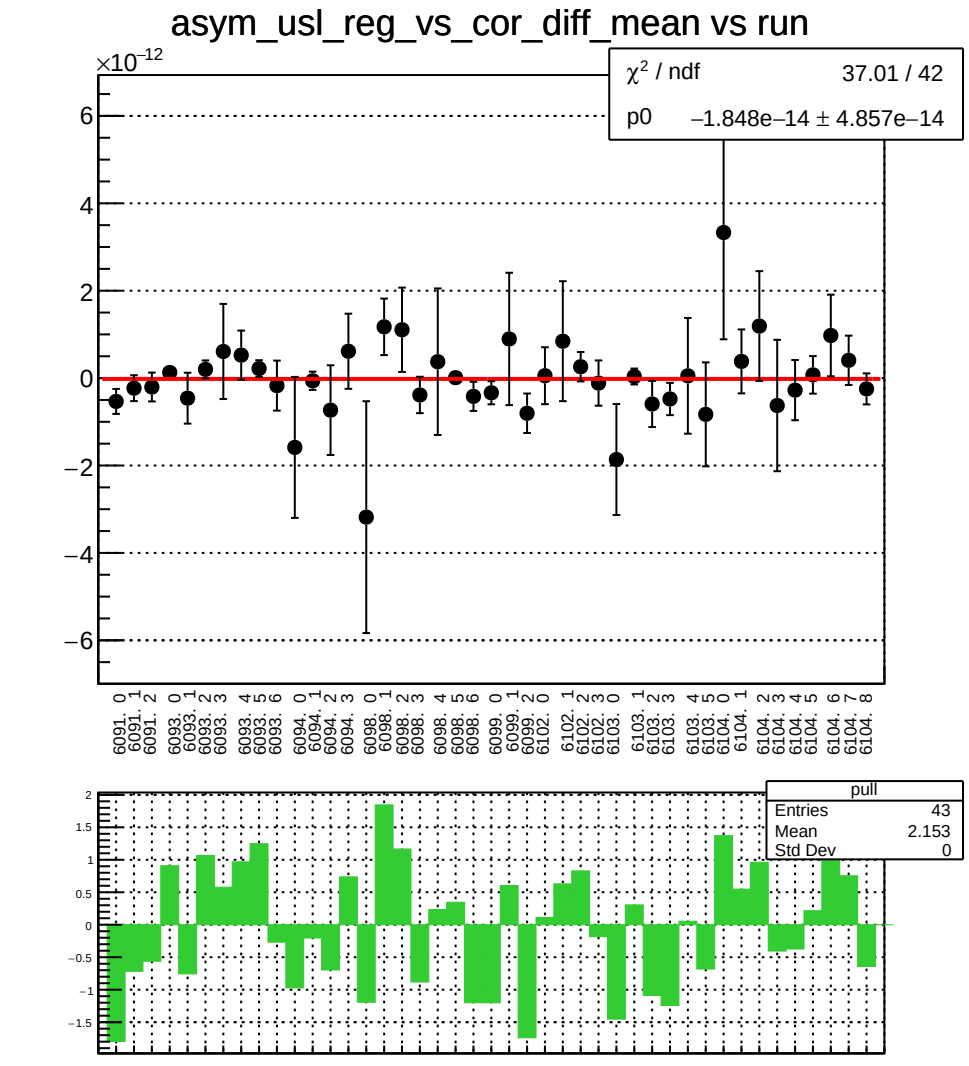
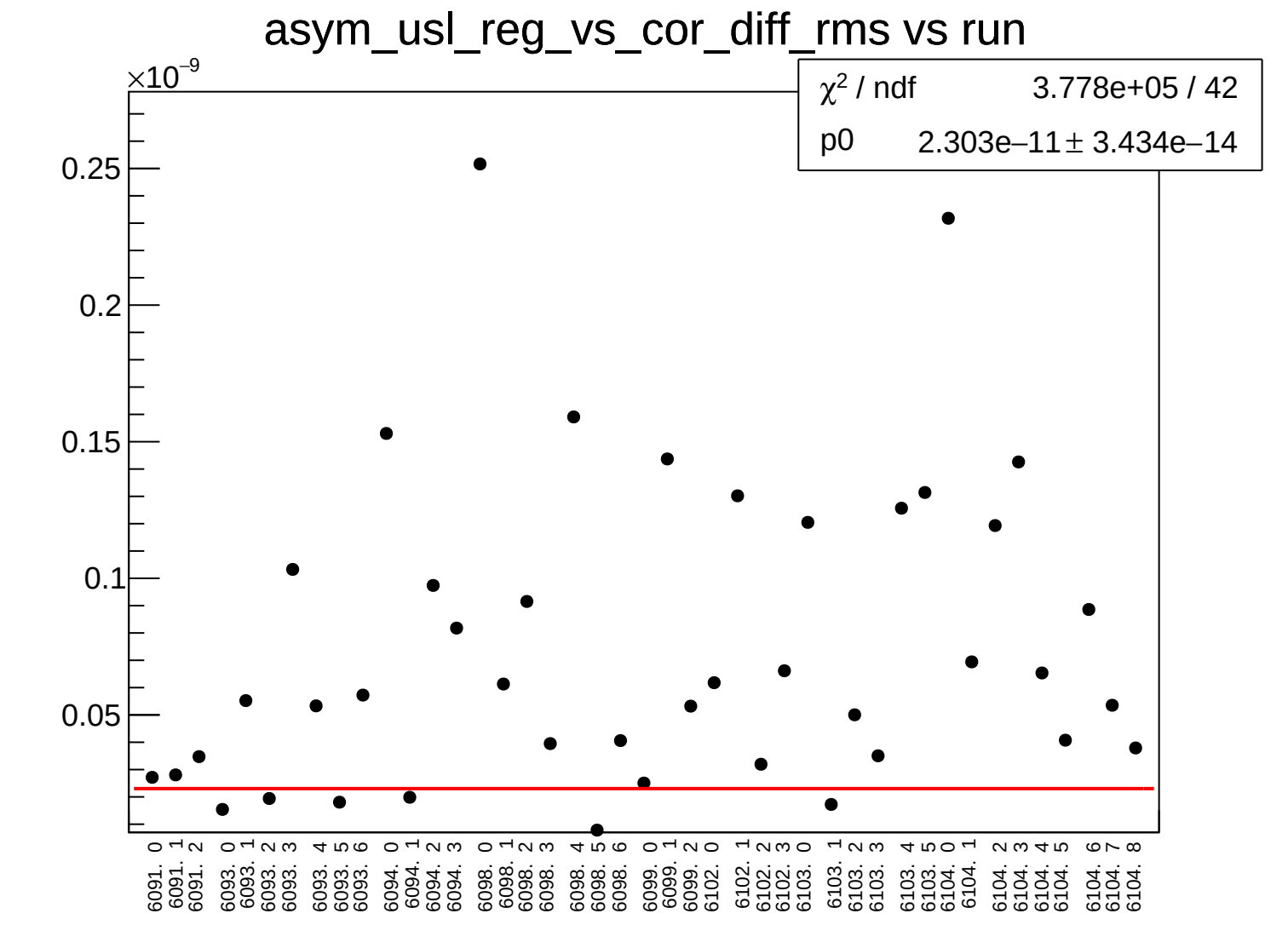
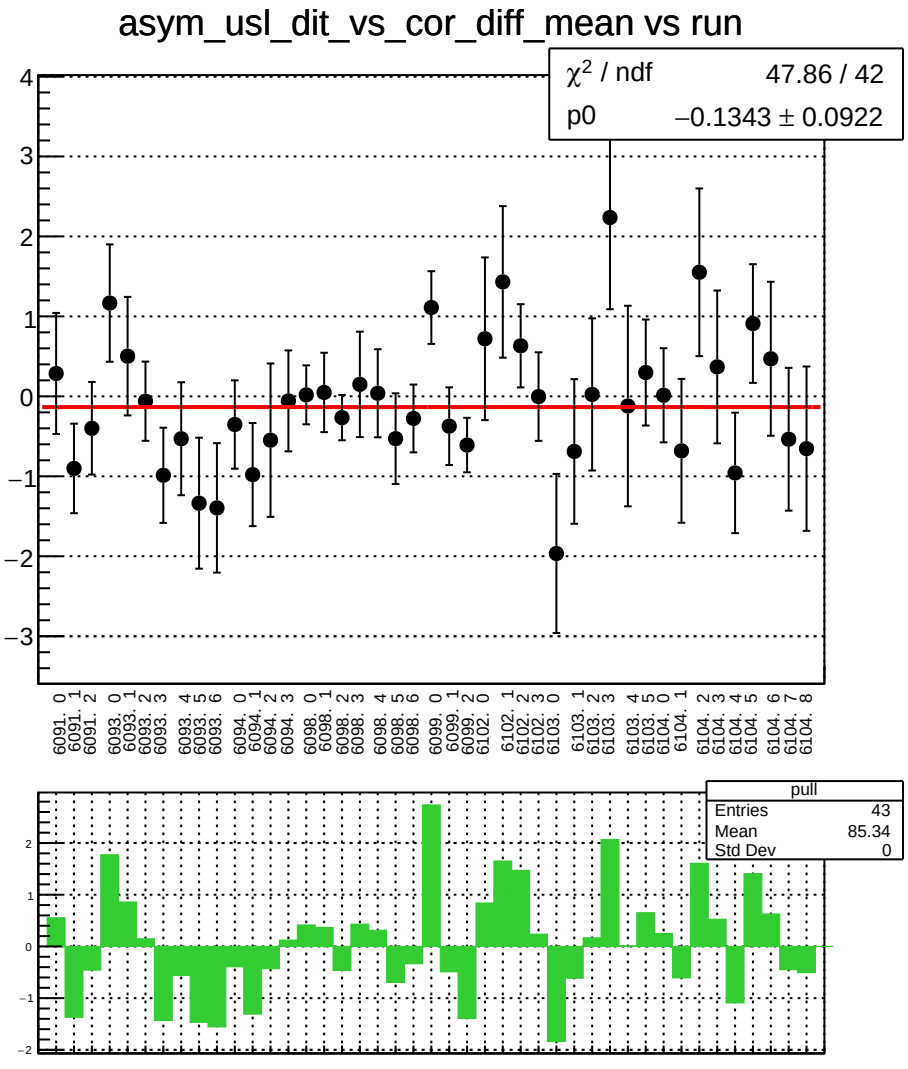
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean −306.8
Std Dev 0
3
2
1
0
−1
−2

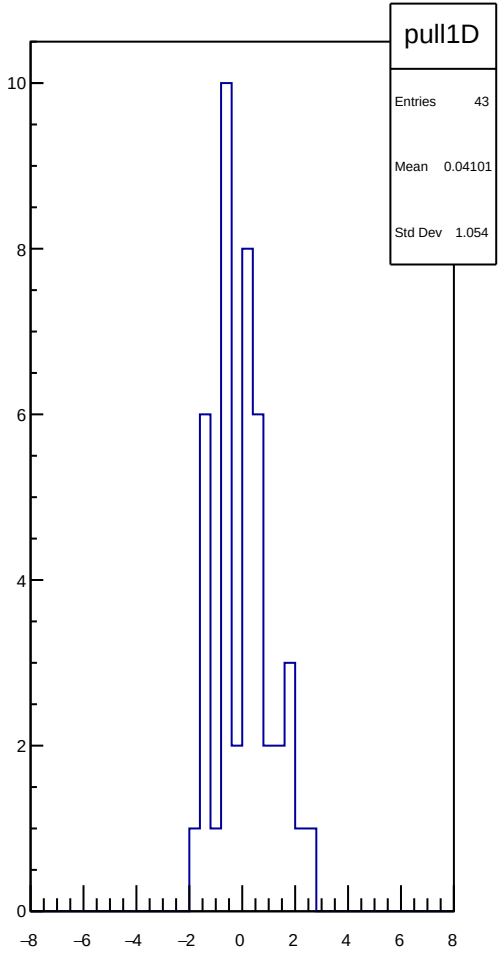

pull1D
Entries 43
Mean 0.006066
Std Dev 1.064
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

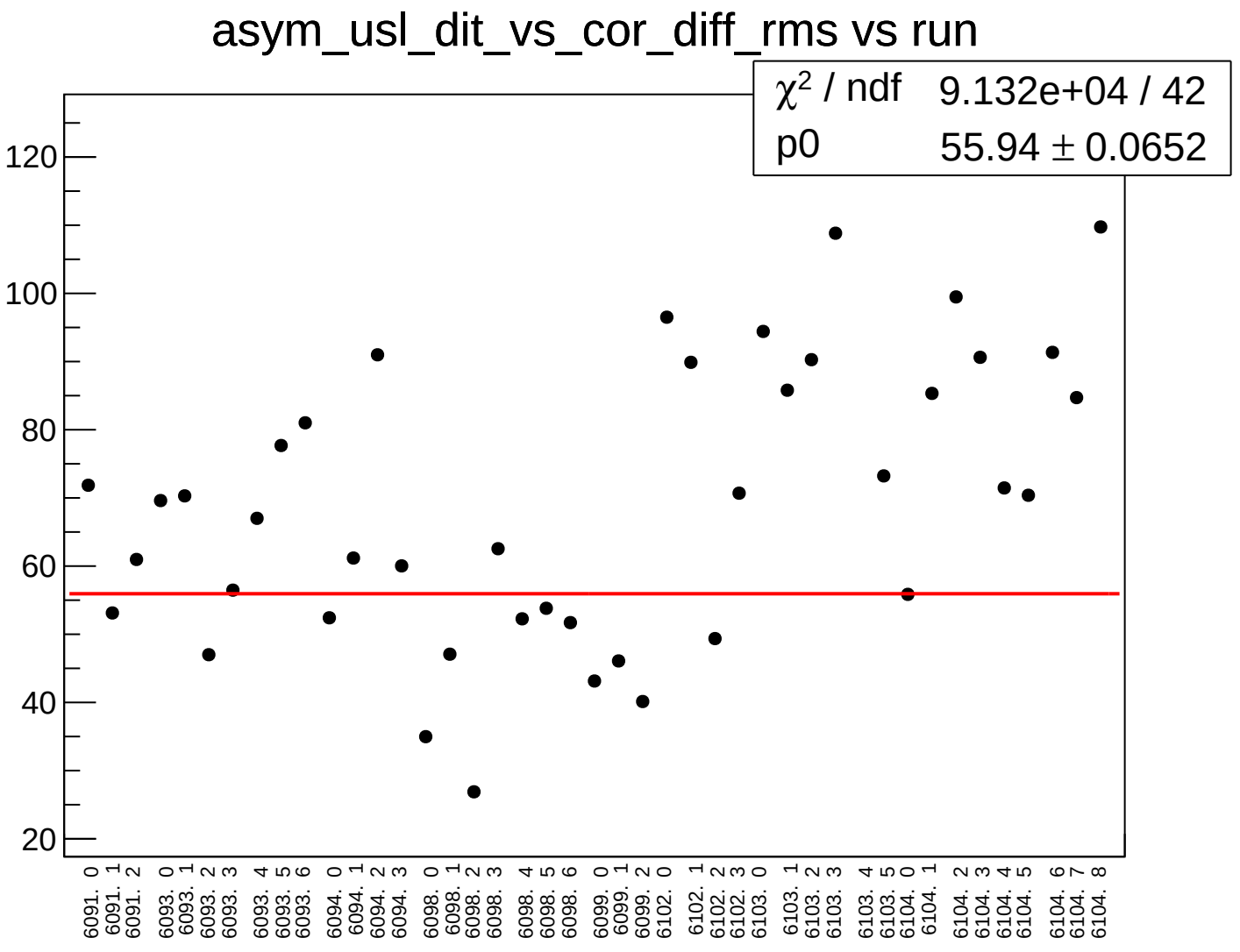

asym_usl_rms vs run
χ² / ndf 179.1 / 42
p0 1321 ± 1.453
1380
1360
1340
1320
1300
1280
1260
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

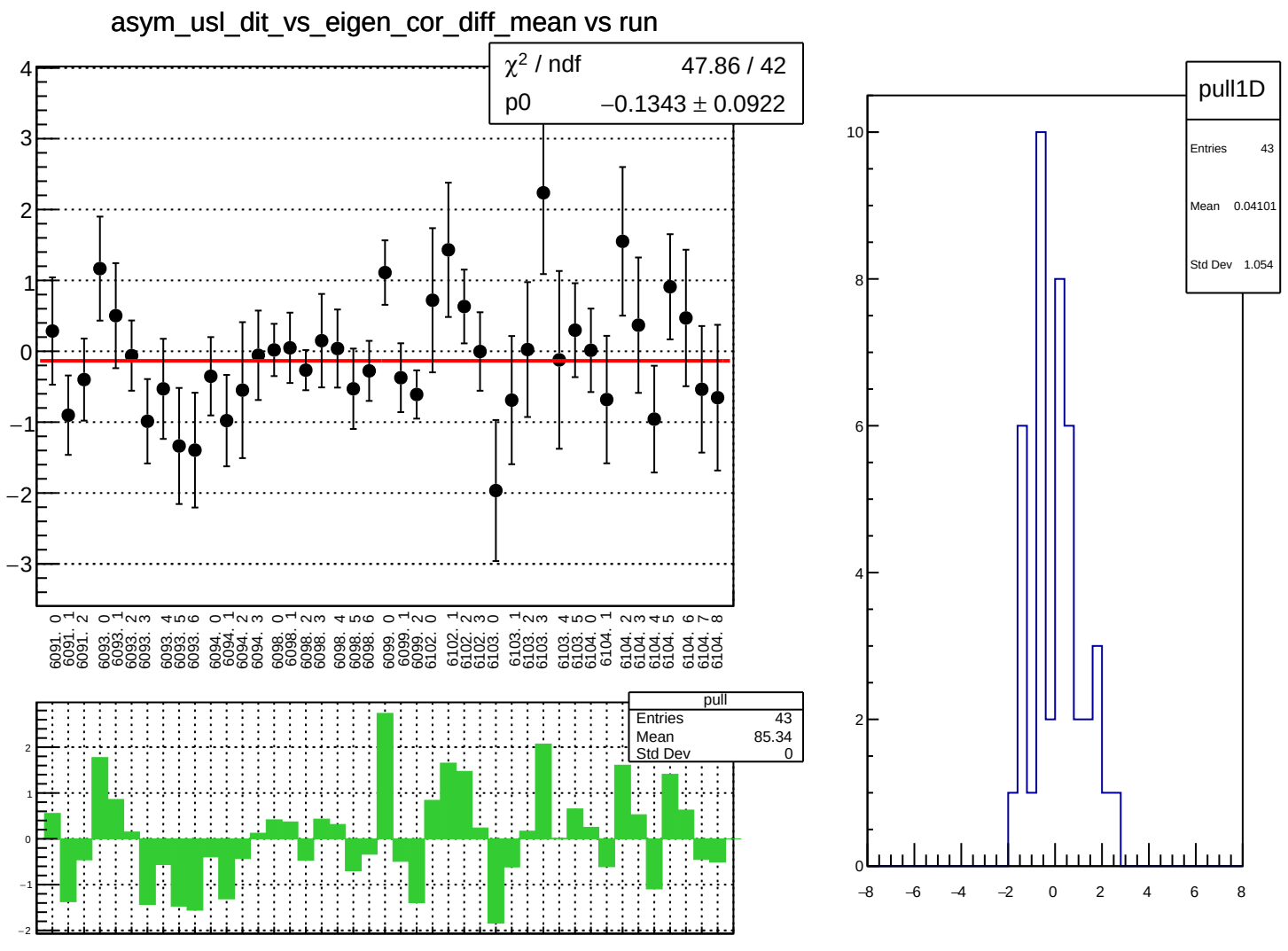

asym_usl_reg_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 37.01 / 42
p0 −1.848e−14 ± 4.857e−14
6
4
2
0
−2
−4
−6
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 2.153
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 43
Mean −0.03989
Std Dev 0.9269
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

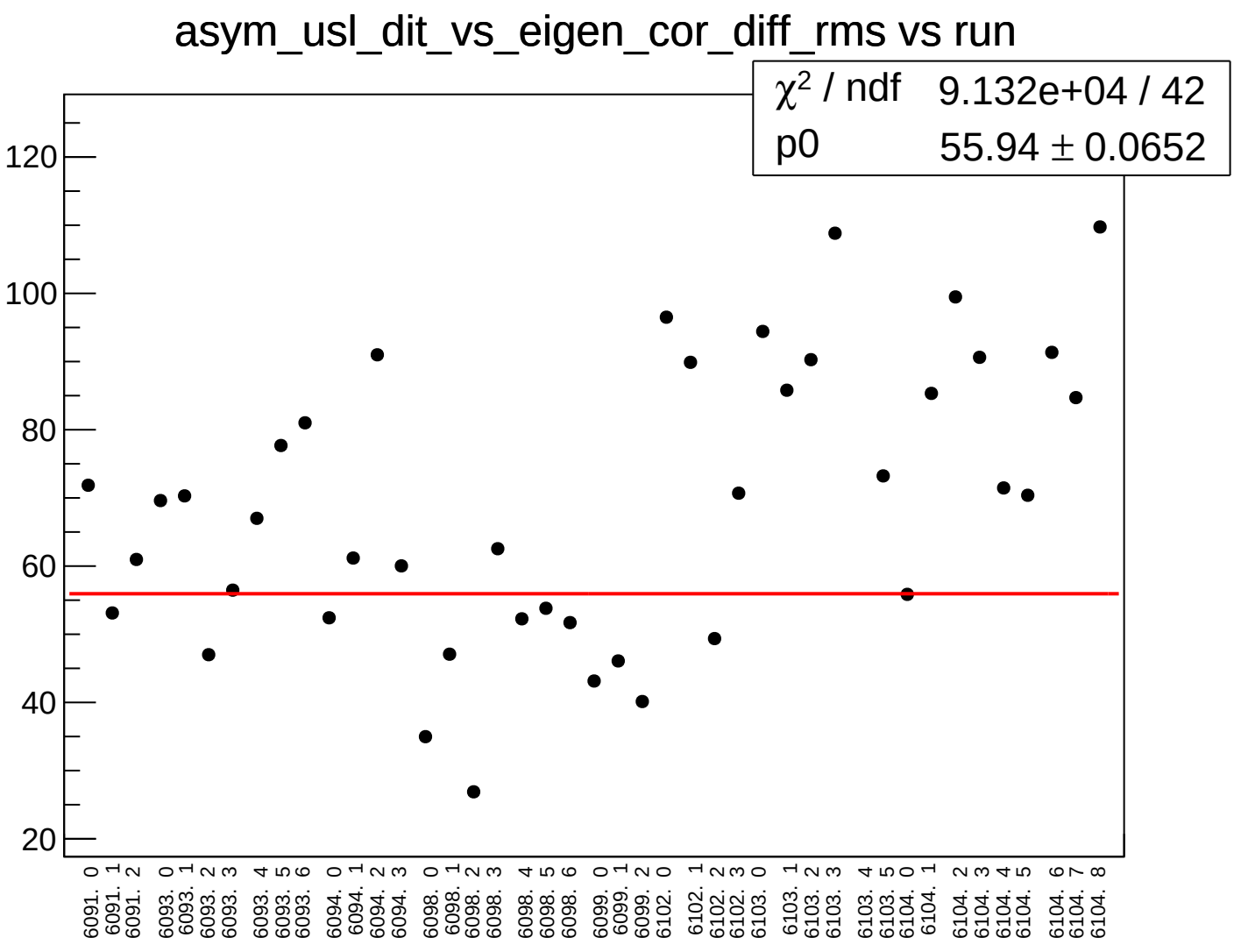

asym_usl_reg_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 3.778e+05 / 42
p0 2.303e−11 ± 3.434e−14
0.25
0.2
0.15
0.1
0.05
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

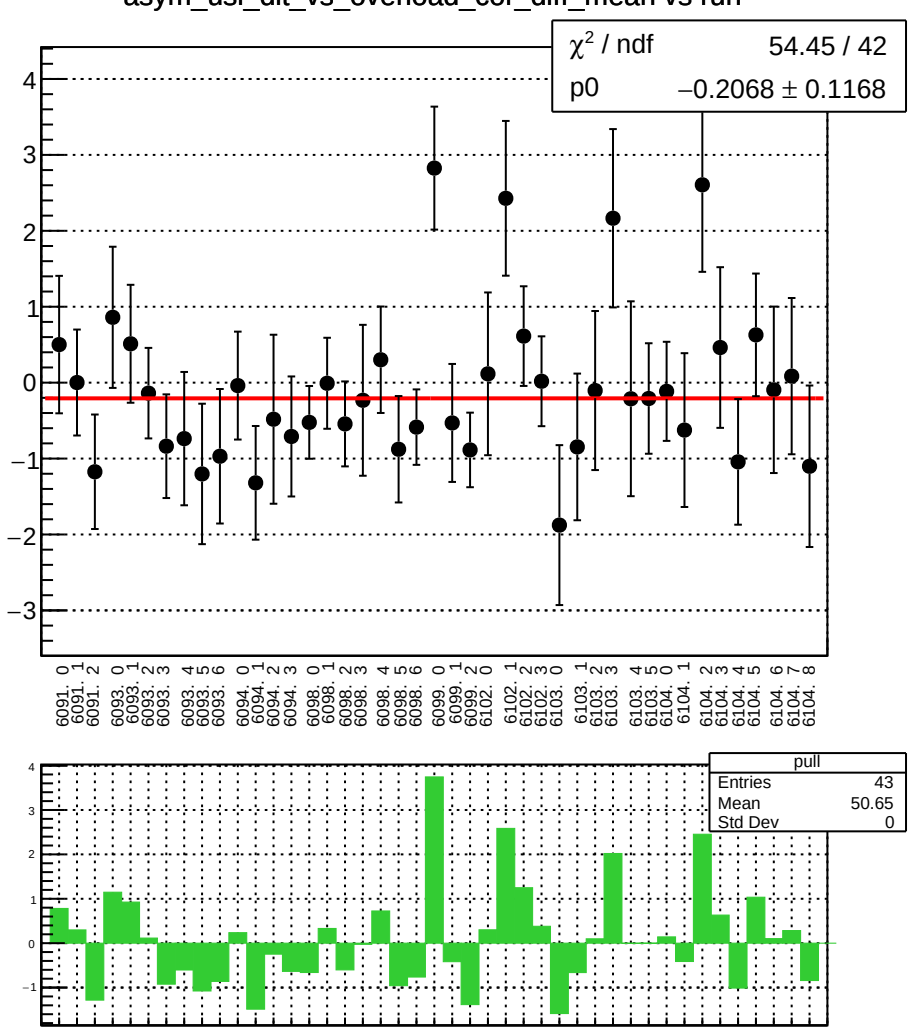

asym_usl_dit_vs_cor_diff_mean vs run
χ² / ndf 47.86 / 42
p0 −0.1343 ± 0.0922
pull
Entries 43
Mean 85.34
Std Dev 0

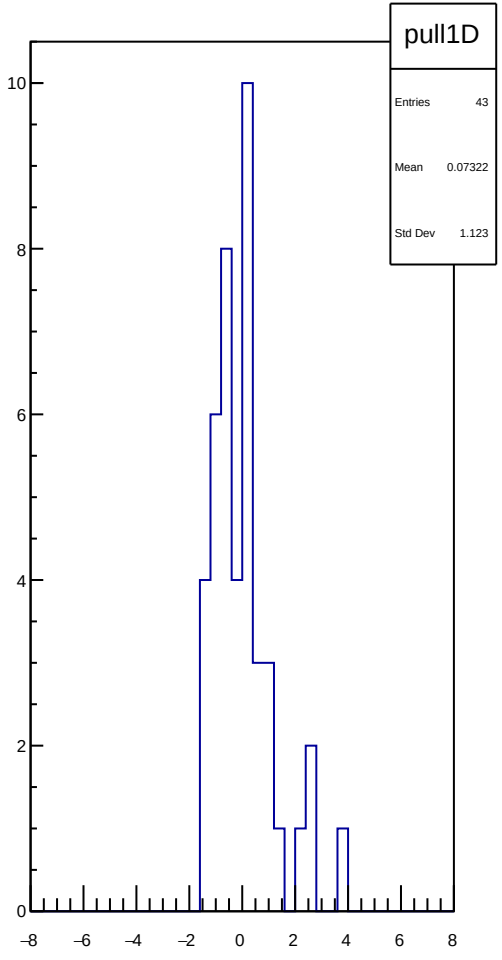

pull1D
Entries 43
Mean 0.04101
Std Dev 1.054

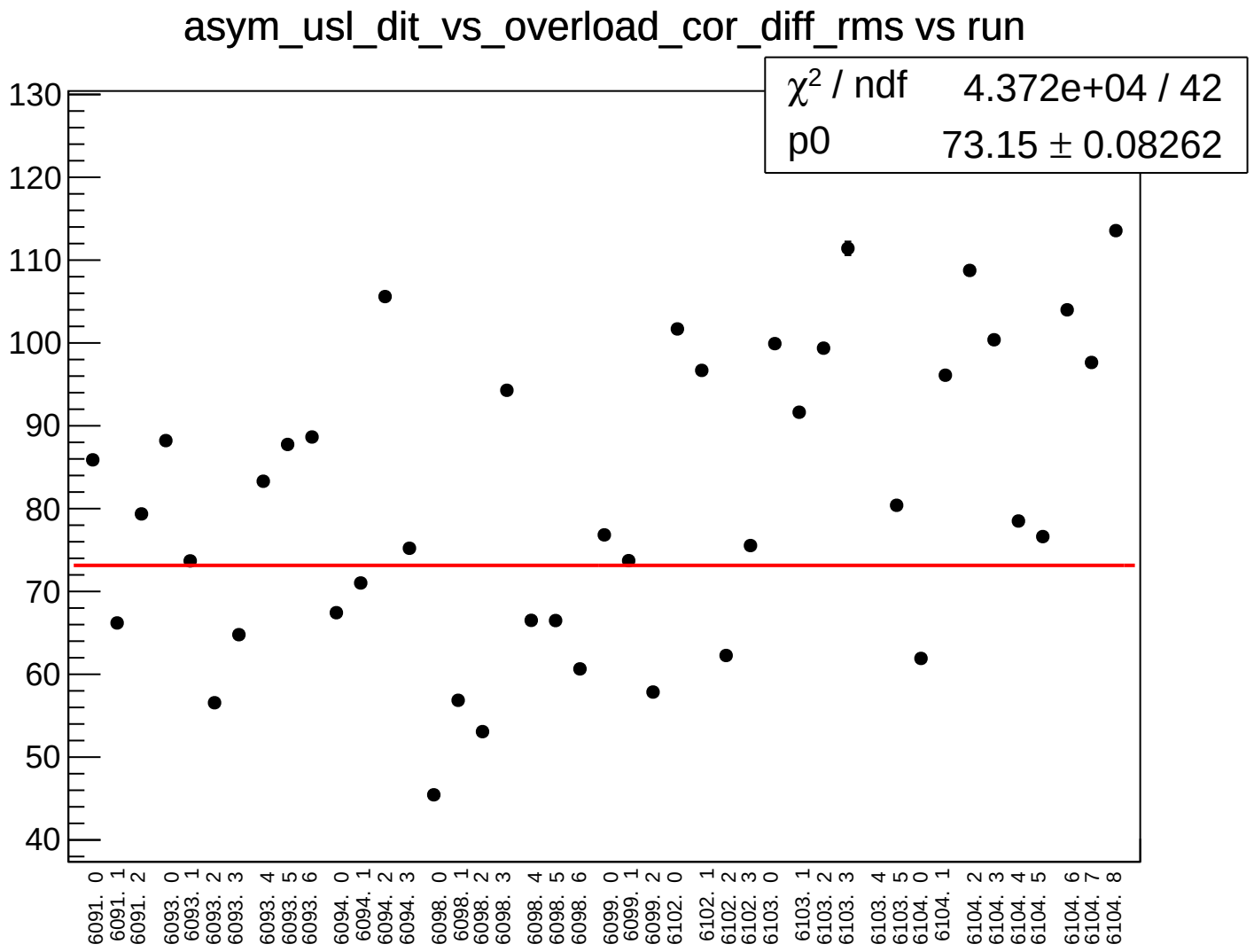

asym_usl_dit_vs_cor_diff_rms vs run
χ^2 / ndf 9.132e+04 / 42
p0 55.94 ± 0.0652
120
100
80
60
40
20
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

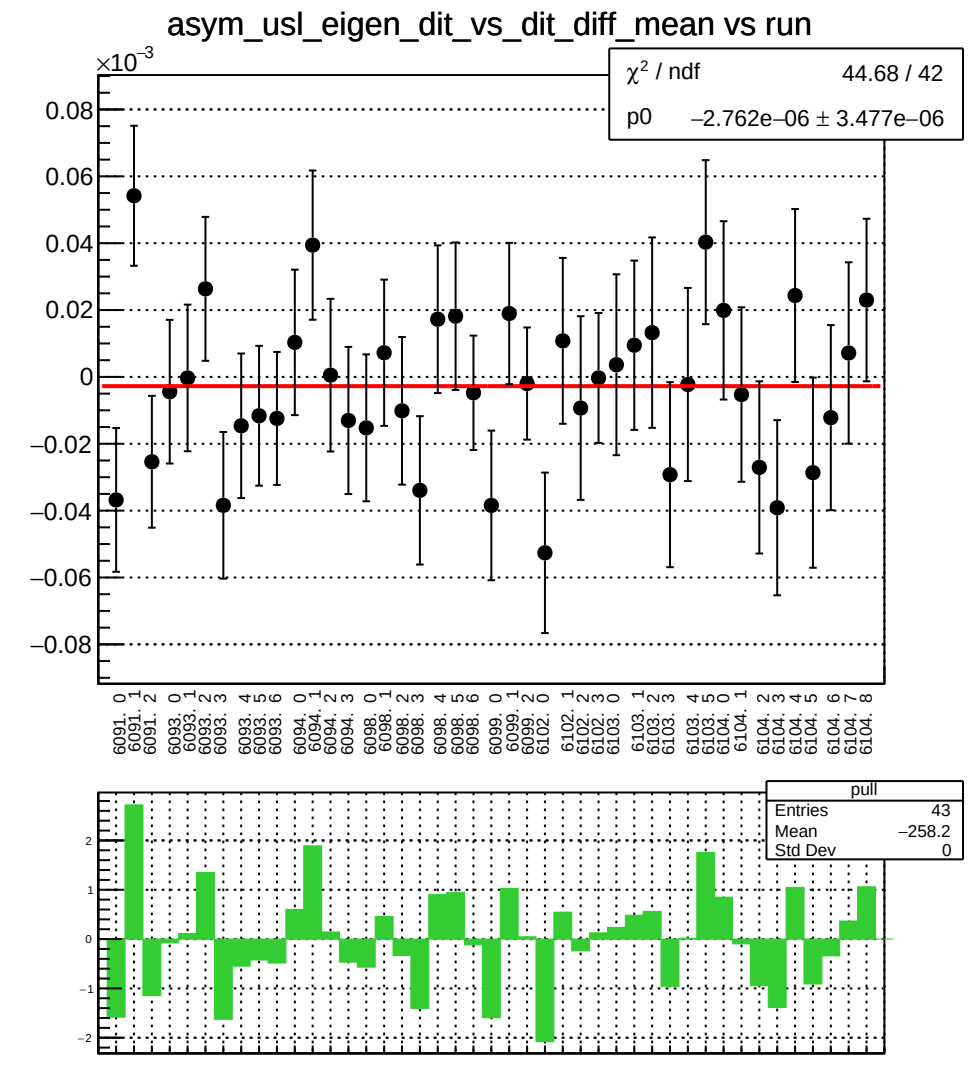

asym_usl_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 47.86 / 42
p0 −0.1343 ± 0.0922
pull
Entries 43
Mean 85.34
Std Dev 0
pull1D
Entries 43
Mean 0.04101
Std Dev 1.054

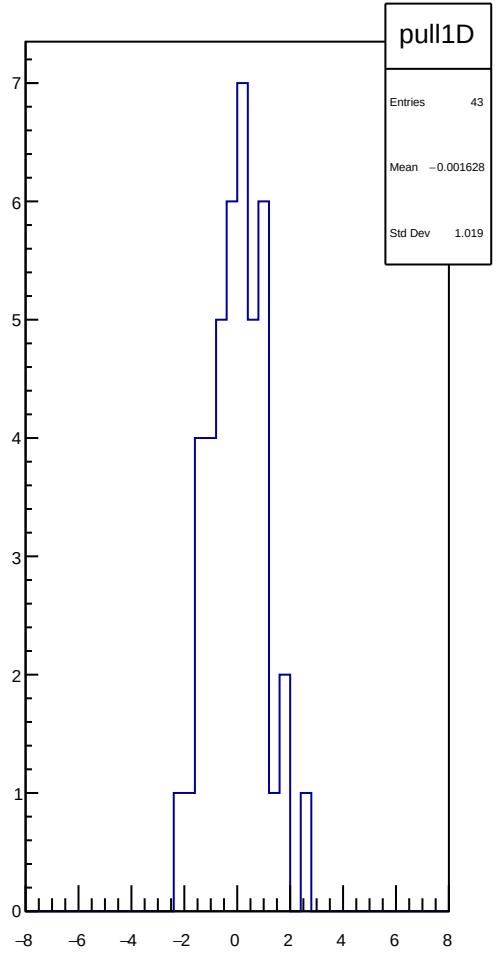

asym_usl_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 9.132e+04 / 42
p0 55.94 ± 0.0652
120
100
80
60
40
20
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

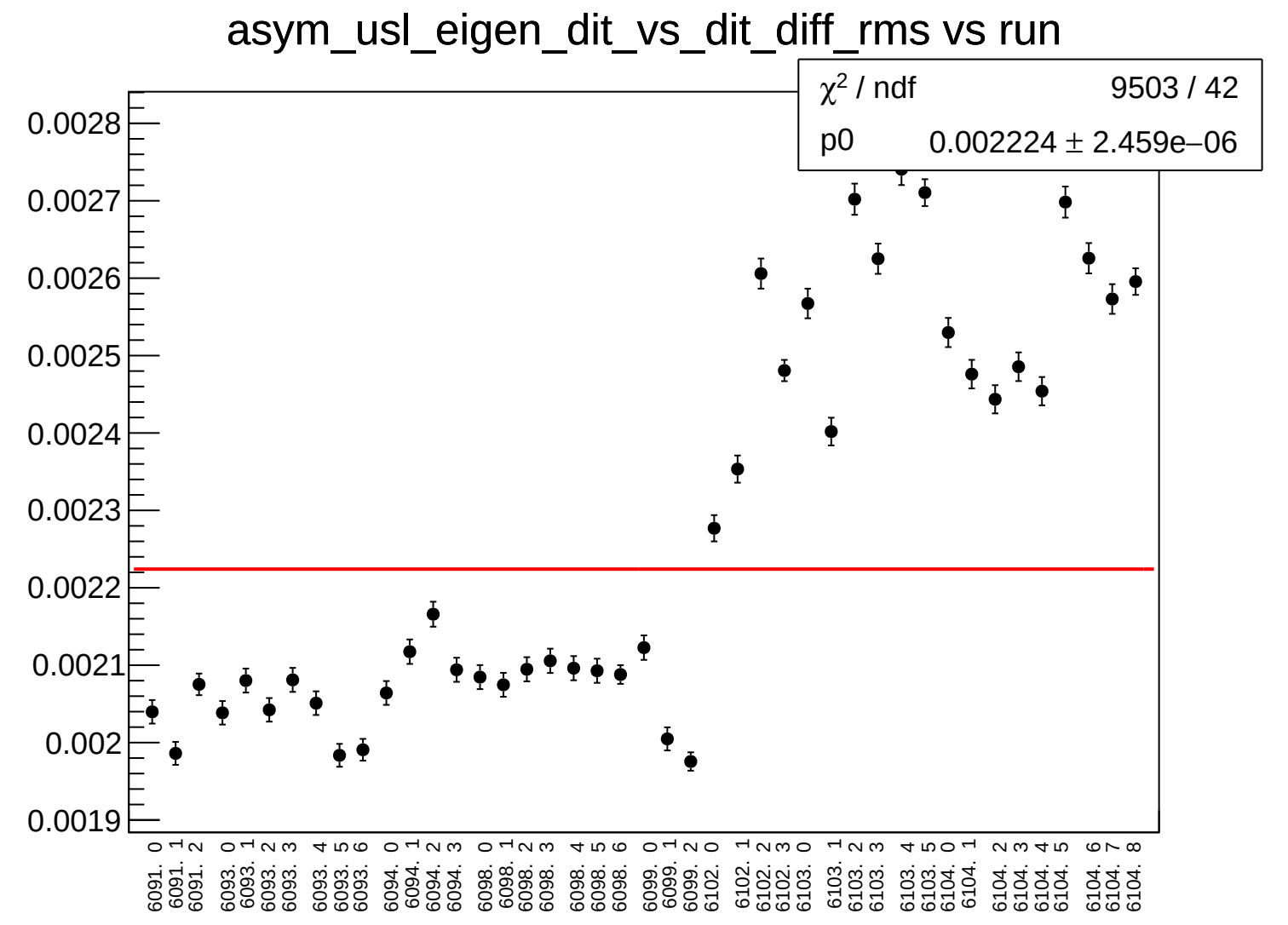

asym_usl_dit_vs_overload_cor_diff_mean vs run
χ² / ndf 54.45 / 42
p0 −0.2068 ± 0.1168
pull
Entries 43
Mean 50.65
Std Dev 0

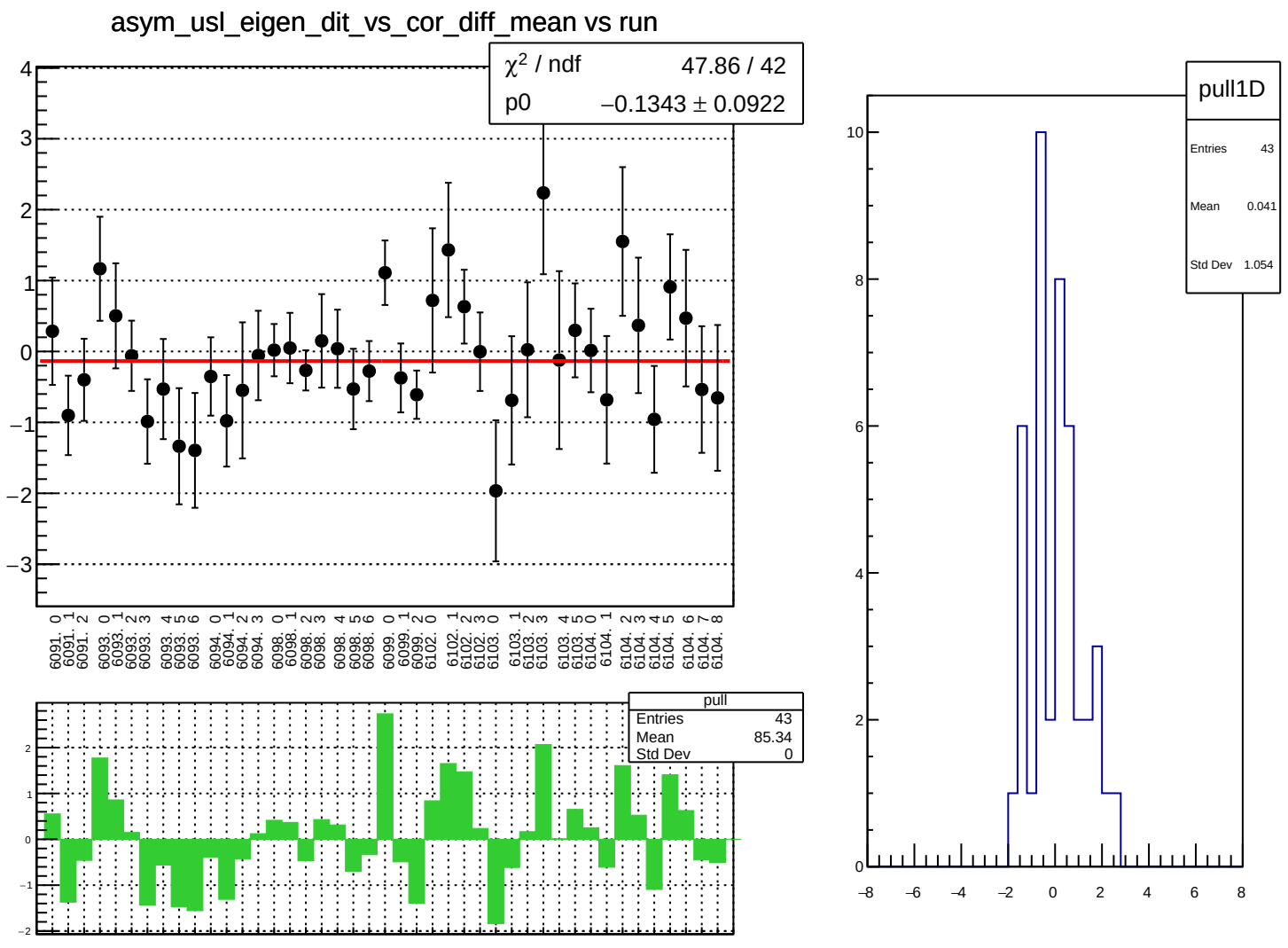

pull1D
Entries 43
Mean 0.07322
Std Dev 1.123

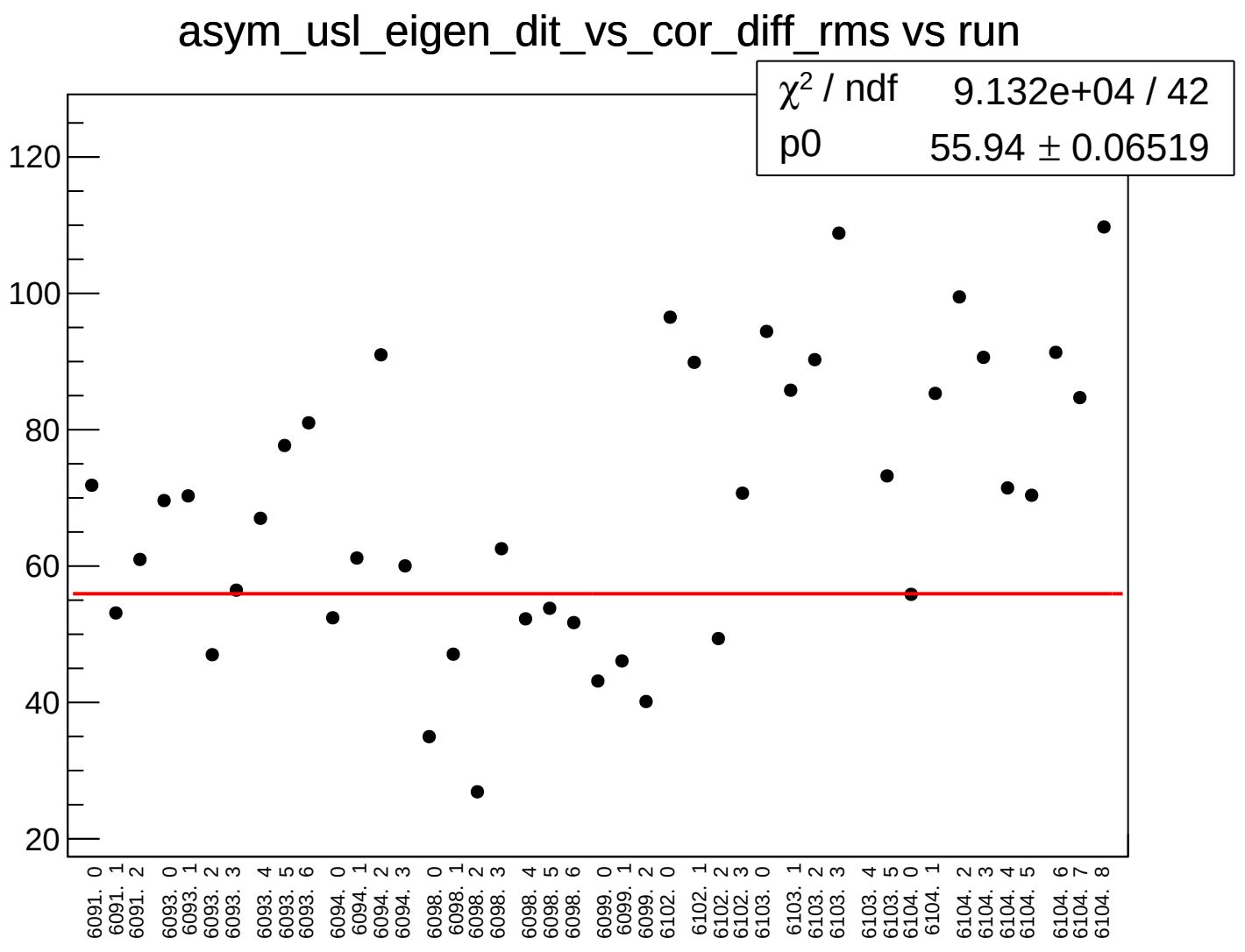

asym_usl_dit_vs_overload_cor_diff_rms vs run
χ² / ndf 4.372e+04 / 42
p0 73.15 ± 0.08262
130
120
110
100
90
80
70
60
50
40
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

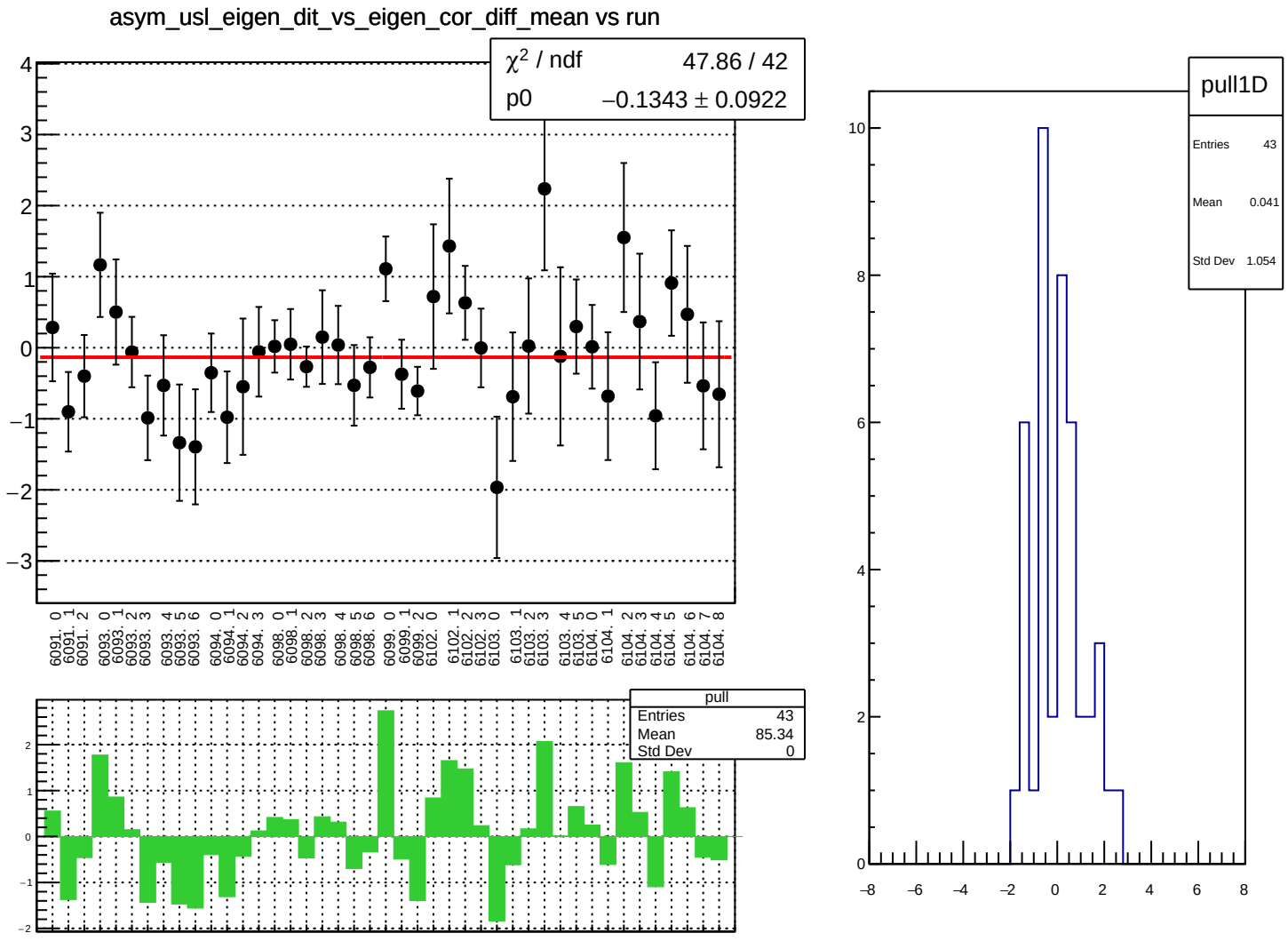

asym_usl_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 44.68 / 42
p0 −2.762e−06 ± 3.477e−06
0.08
0.06
0.04
0.02
0
−0.02
−0.04
−0.06
−0.08
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean −258.2
Std Dev 0
2
1
0
−1
−2

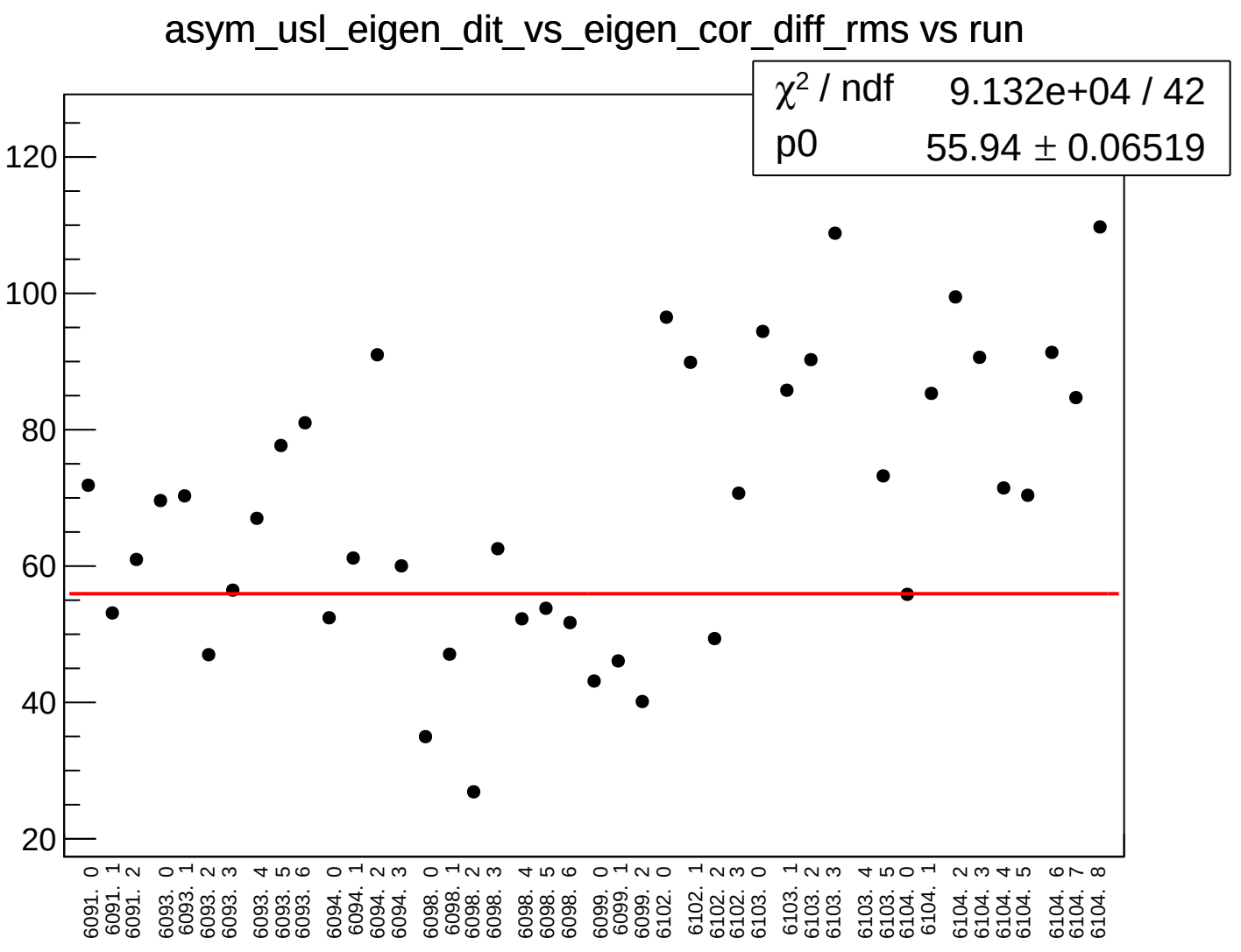

pull1D
Entries 43
Mean −0.001628
Std Dev 1.019
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

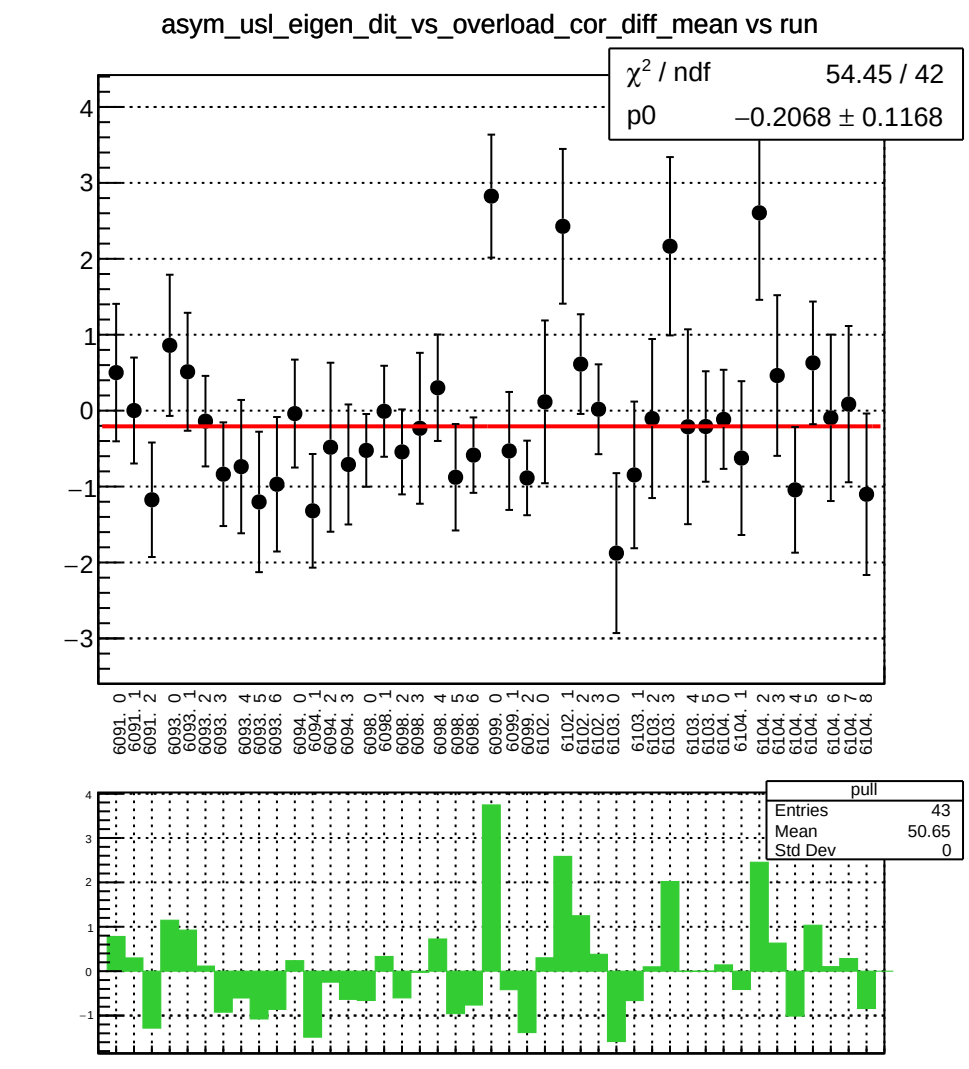

asym_usl_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 9503 / 42
p0 0.002224 ± 2.459e−06
0.0028
0.0027
0.0026
0.0025
0.0024
0.0023
0.0022
0.0021
0.002
0.0019
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

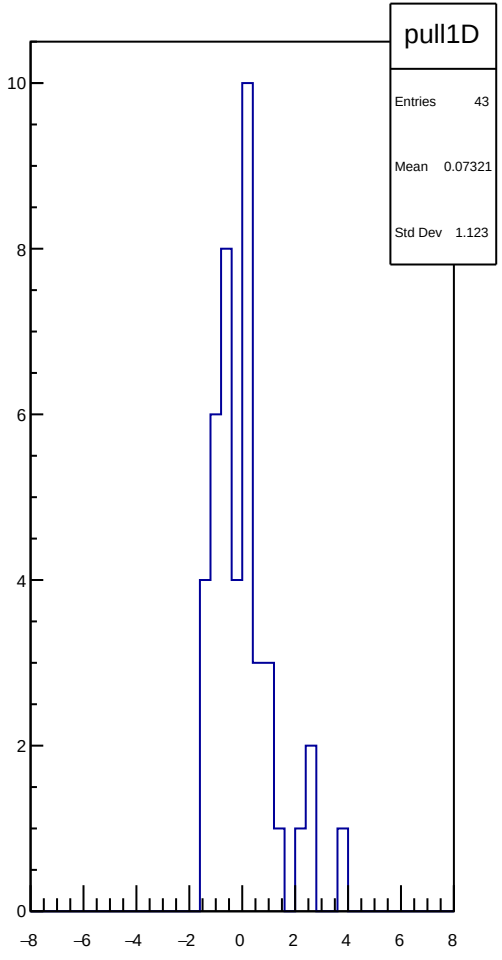

asym_usl_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 47.86 / 42
p0 −0.1343 ± 0.0922
pull
Entries 43
Mean 85.34
Std Dev 0
pull1D
Entries 43
Mean 0.041
Std Dev 1.054

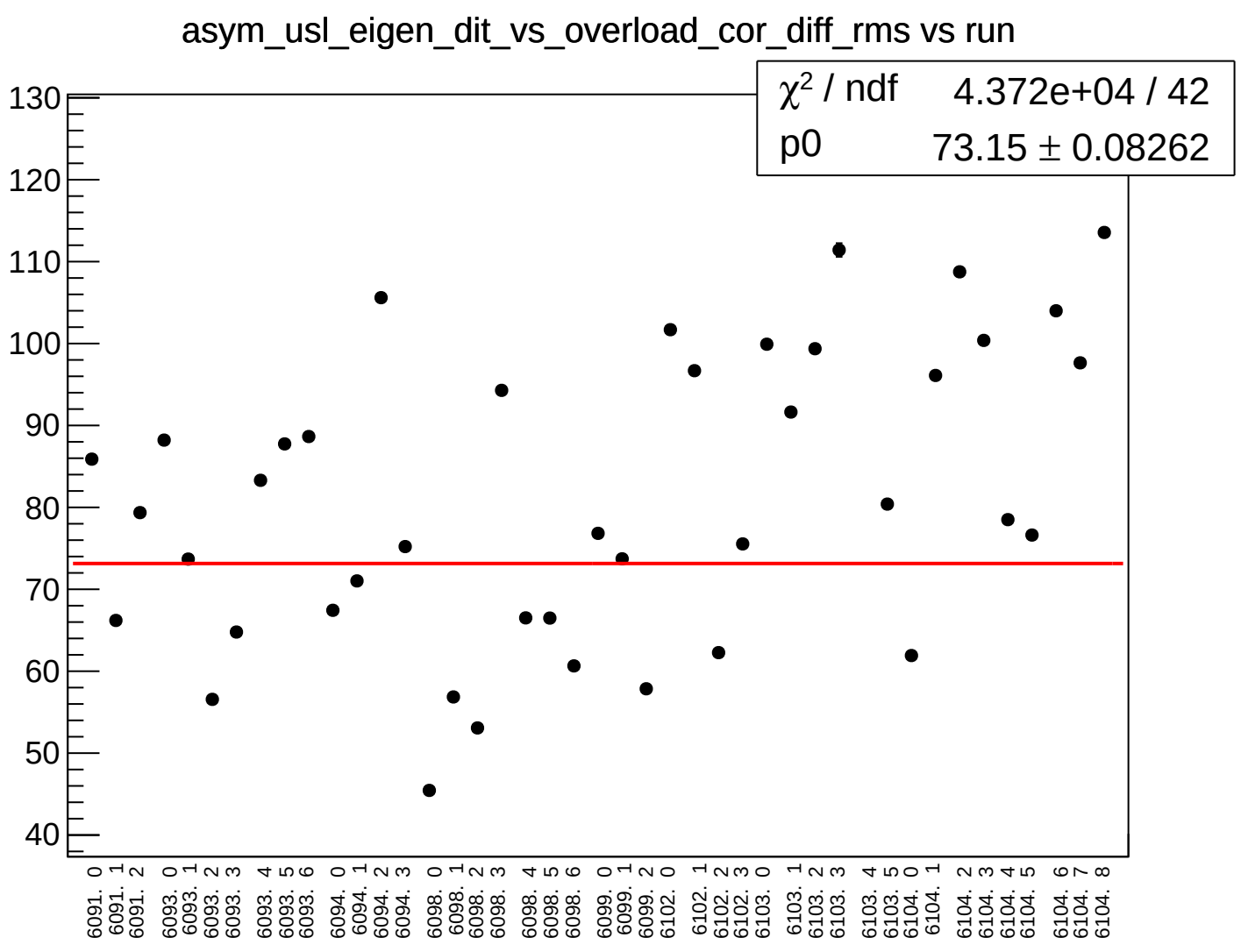

asym_usl_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 9.132e+04 / 42
p0 55.94 ± 0.06519
120
100
80
60
40
20
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

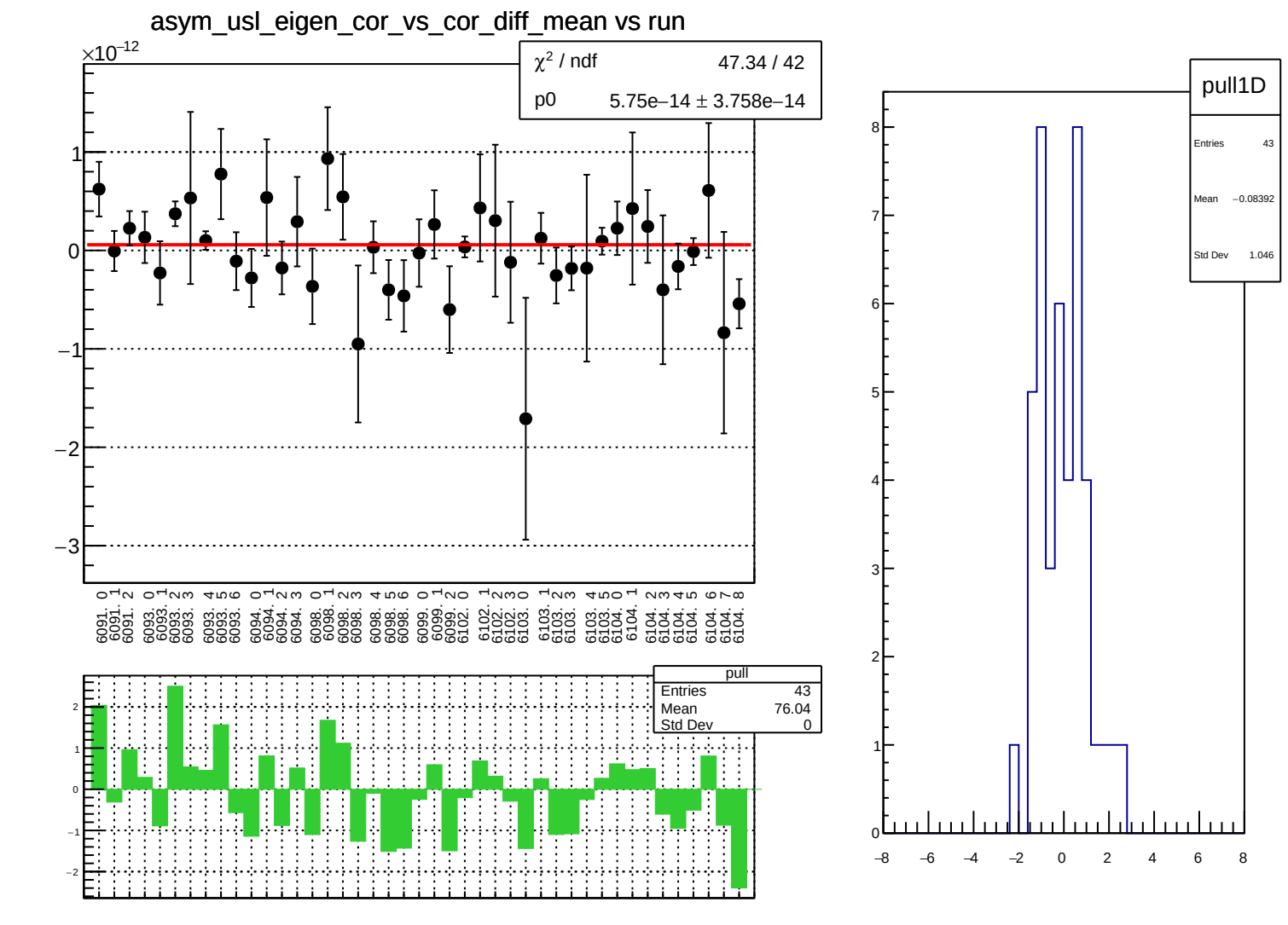

asym_usl_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 47.86 / 42
p0 −0.1343 ± 0.0922
pull
Entries 43
Mean 85.34
Std Dev 0
pull1D
Entries 43
Mean 0.041
Std Dev 1.054

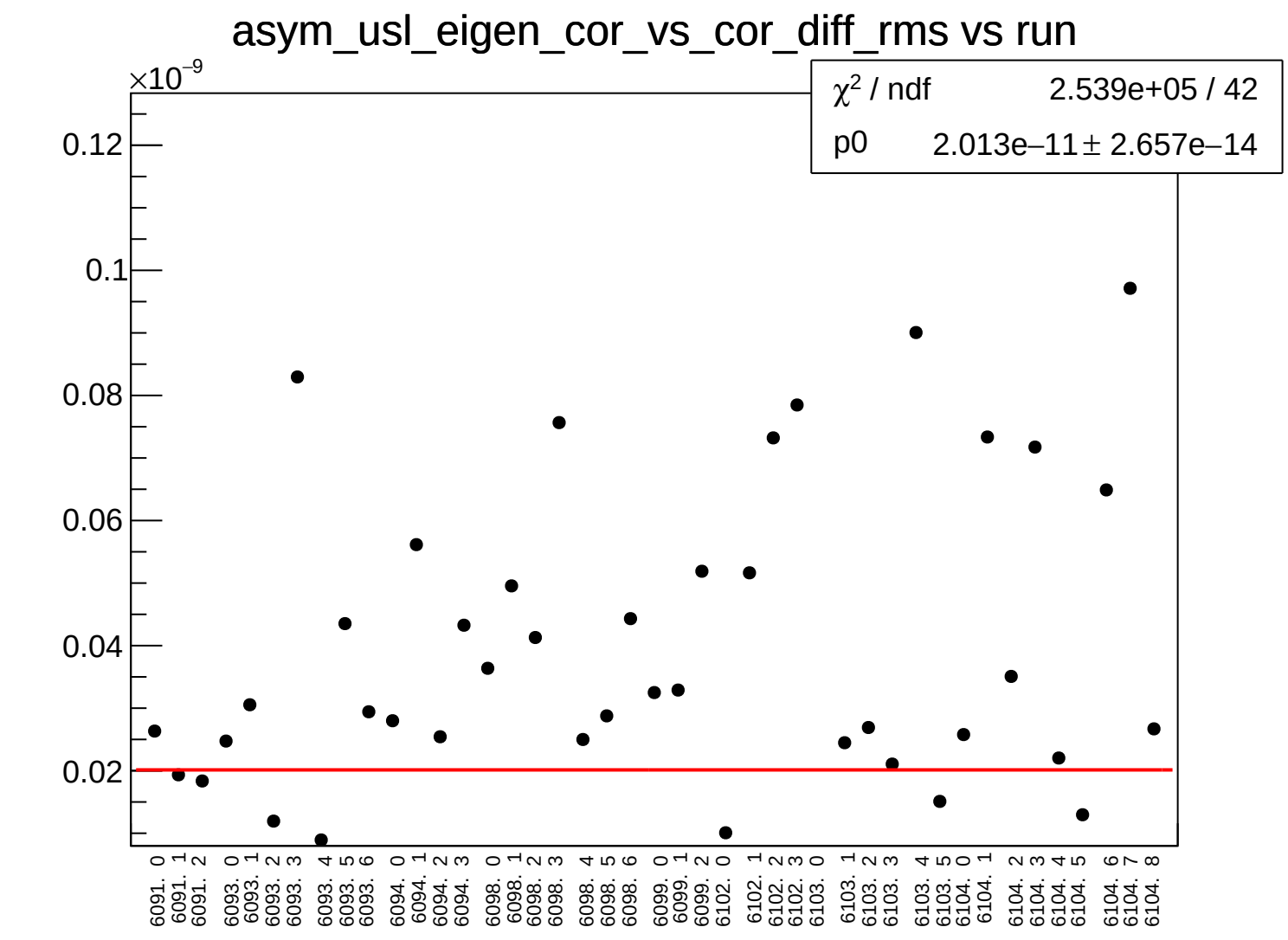

asym_usl_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 9.132e+04 / 42
p0 55.94 ± 0.06519
120
100
80
60
40
20
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

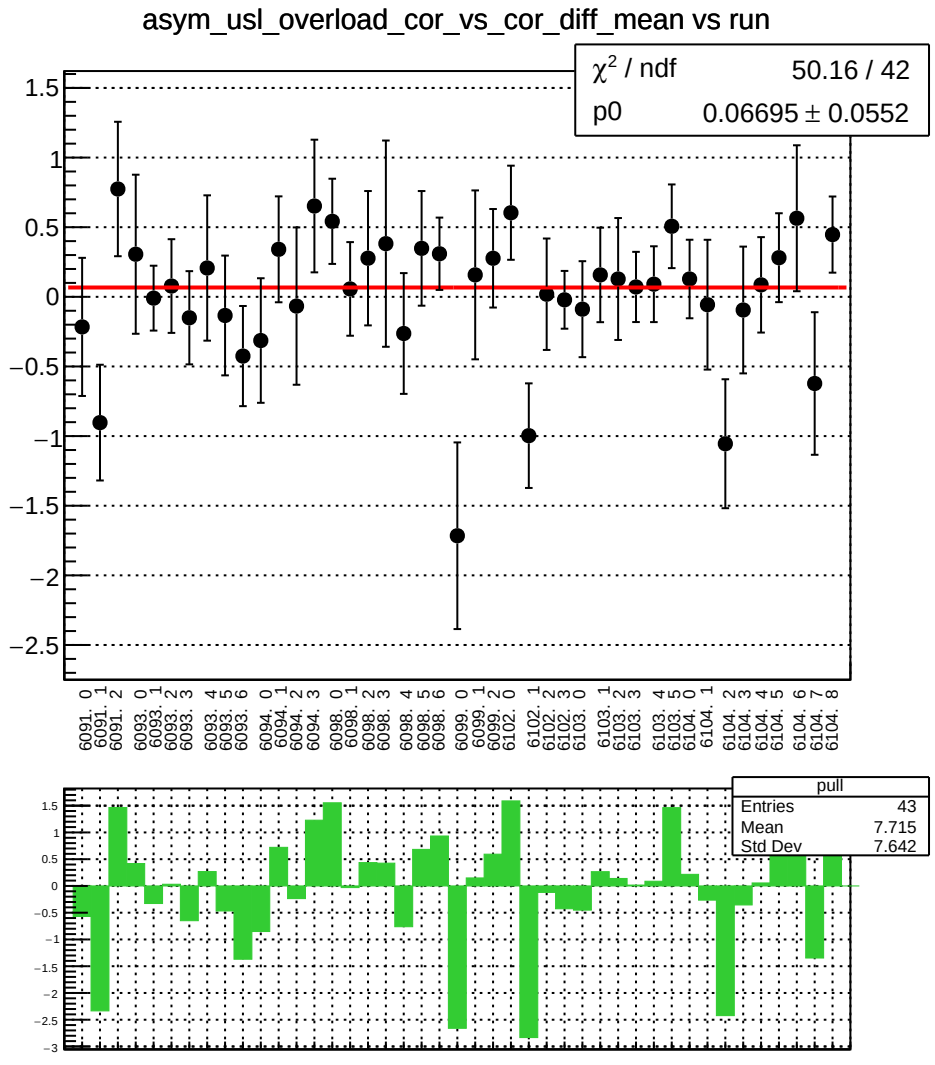

asym_usl_eigen_dit_vs_overload_cor_diff_mean vs run
χ² / ndf 54.45 / 42
p0 −0.2068 ± 0.1168
pull
Entries 43
Mean 50.65
Std Dev 0

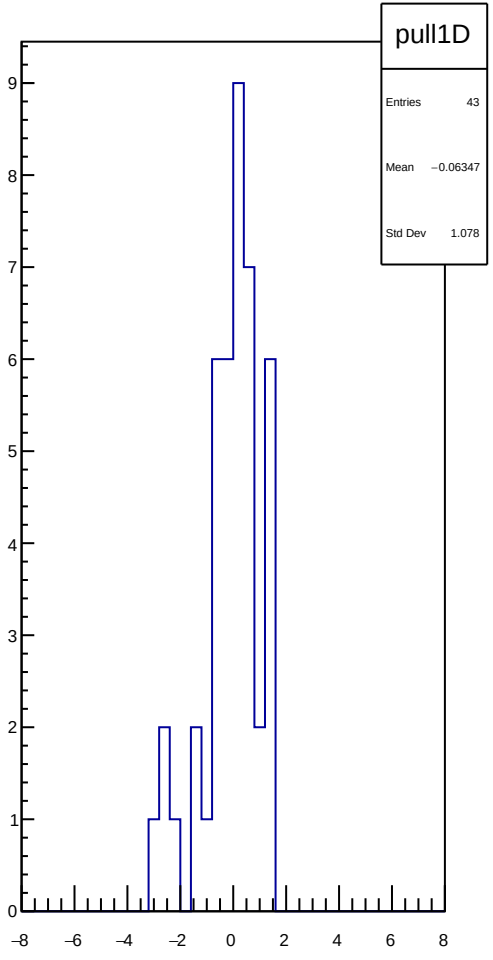

pull1D
Entries 43
Mean 0.07321
Std Dev 1.123

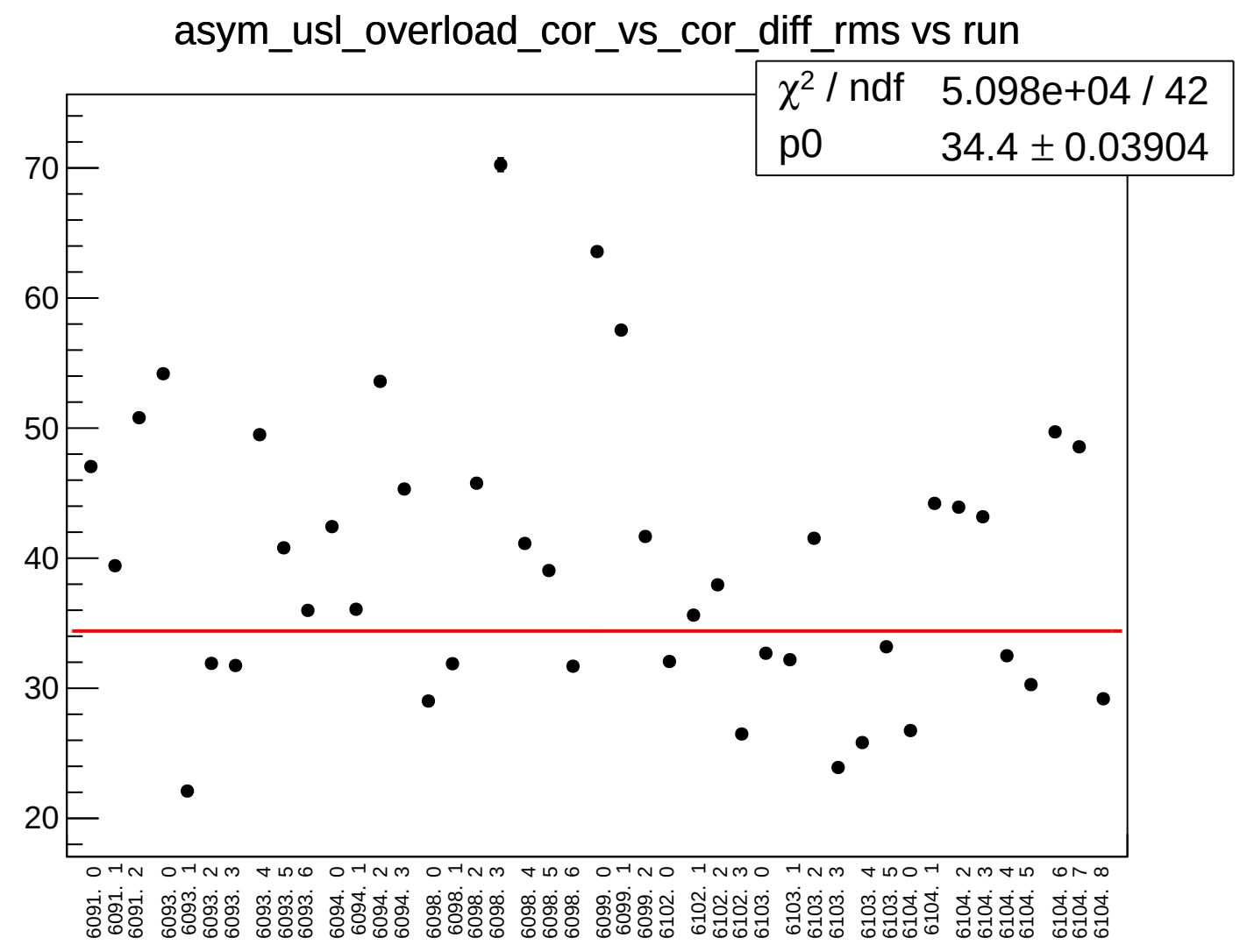

asym_usl_eigen_dit_vs_overload_cor_diff_rms vs run
χ² / ndf 4.372e+04 / 42
p0 73.15 ± 0.08262
130
120
110
100
90
80
70
60
50
40
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

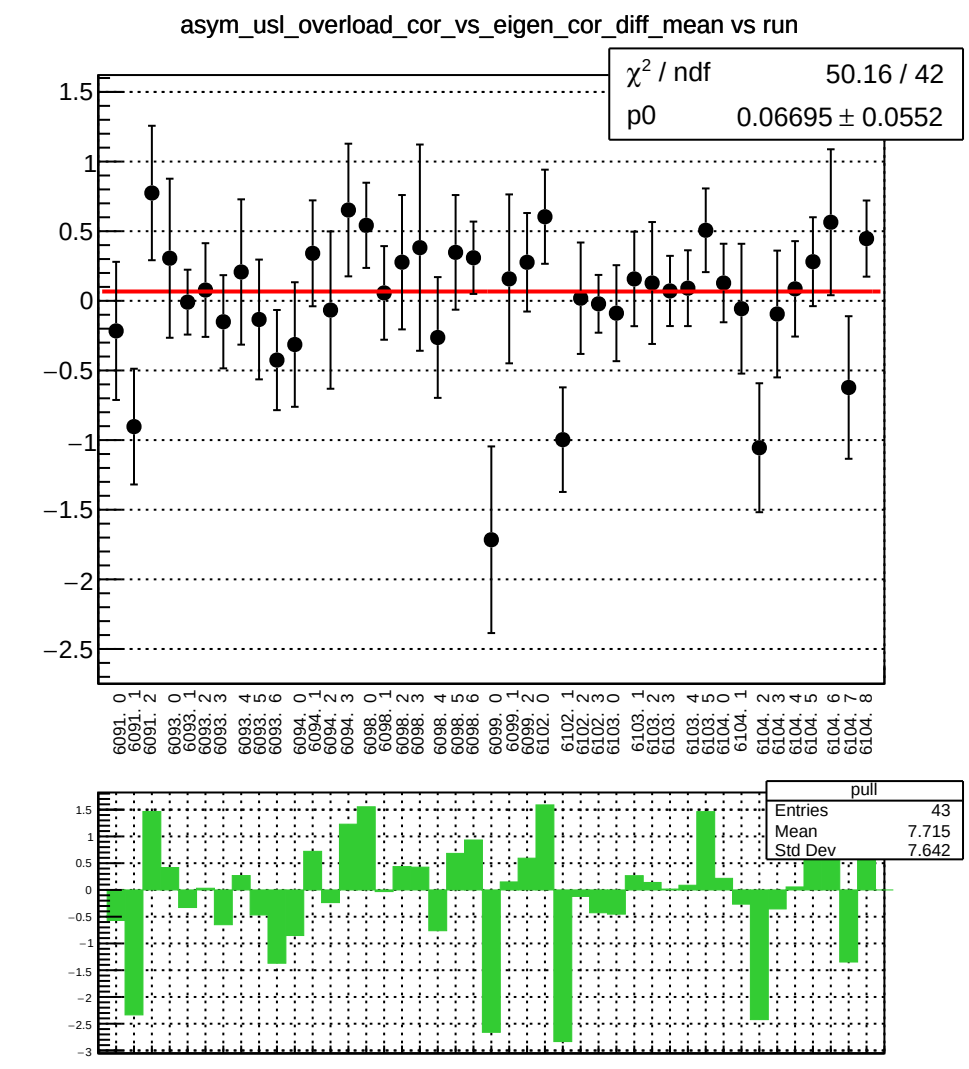

asym_usl_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 47.34 / 42
p0 5.75e−14 ± 3.758e−14
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 76.04
Std Dev 0
pull1D
Entries 43
Mean −0.08392
Std Dev 1.046

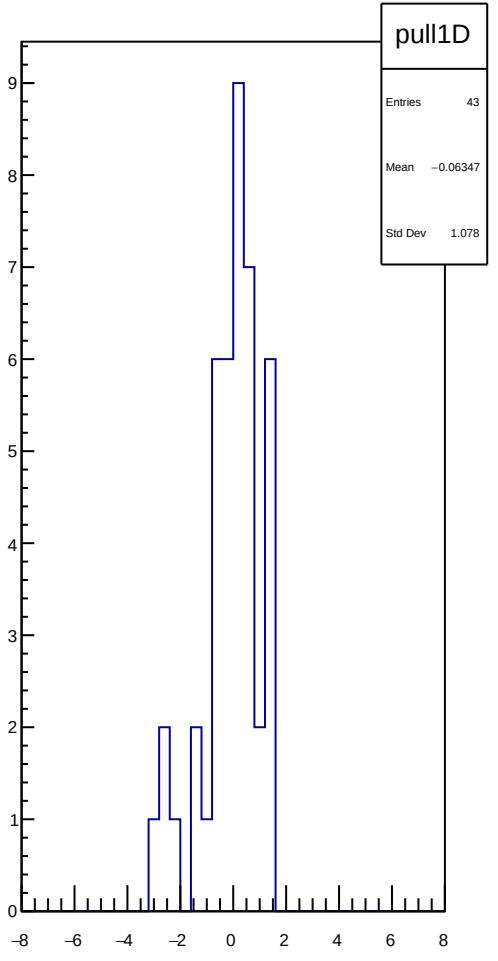

asym_usl_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 2.539e+05 / 42
p0 2.013e−11 ± 2.657e−14
0.12
0.1
0.08
0.06
0.04
0.02
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

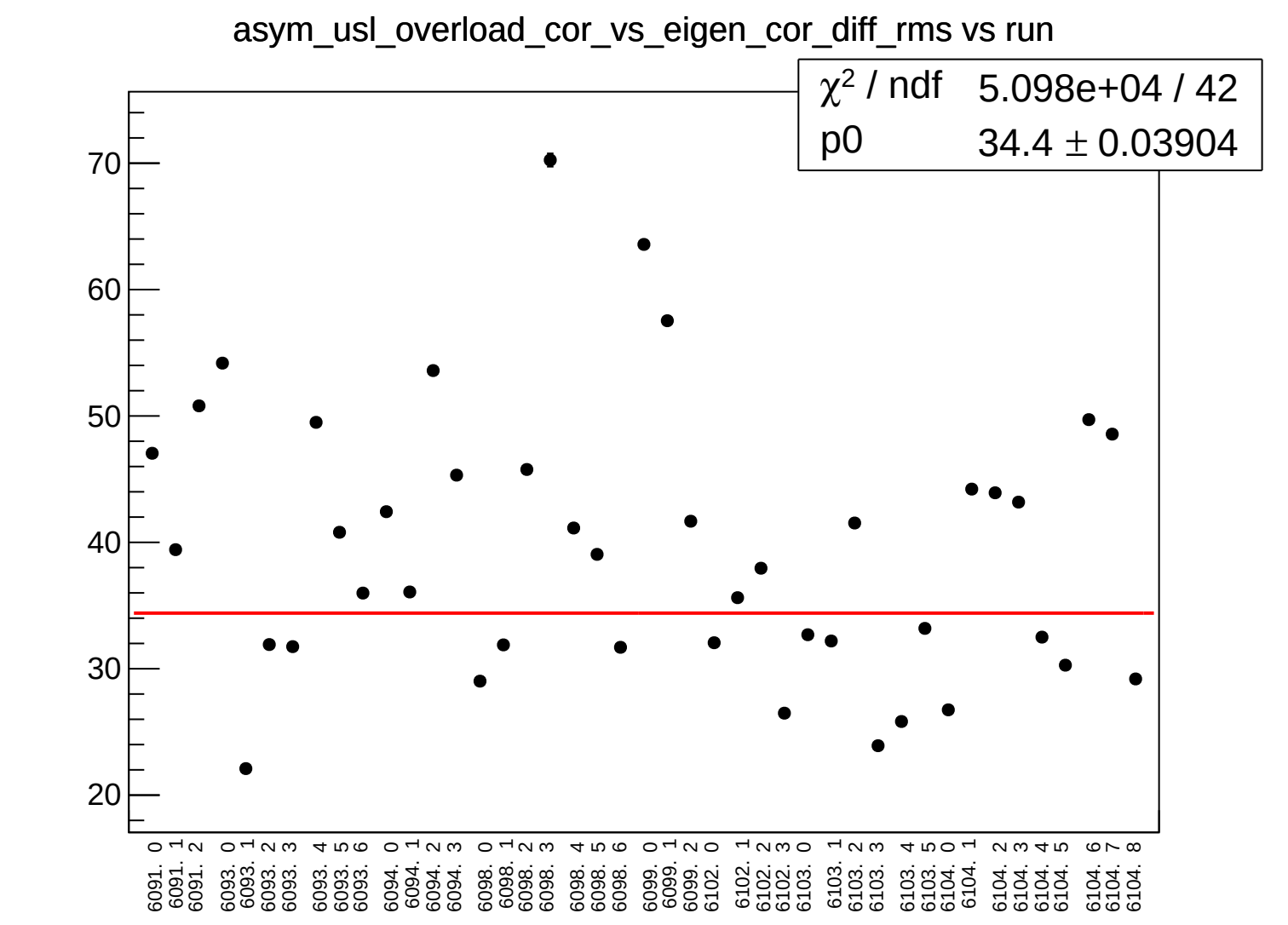

asym_usl_overload_cor_vs_cor_diff_mean vs run
χ² / ndf 50.16 / 42
p0 0.06695 ± 0.0552
pull
Entries 43
Mean 7.715
Std Dev 7.642

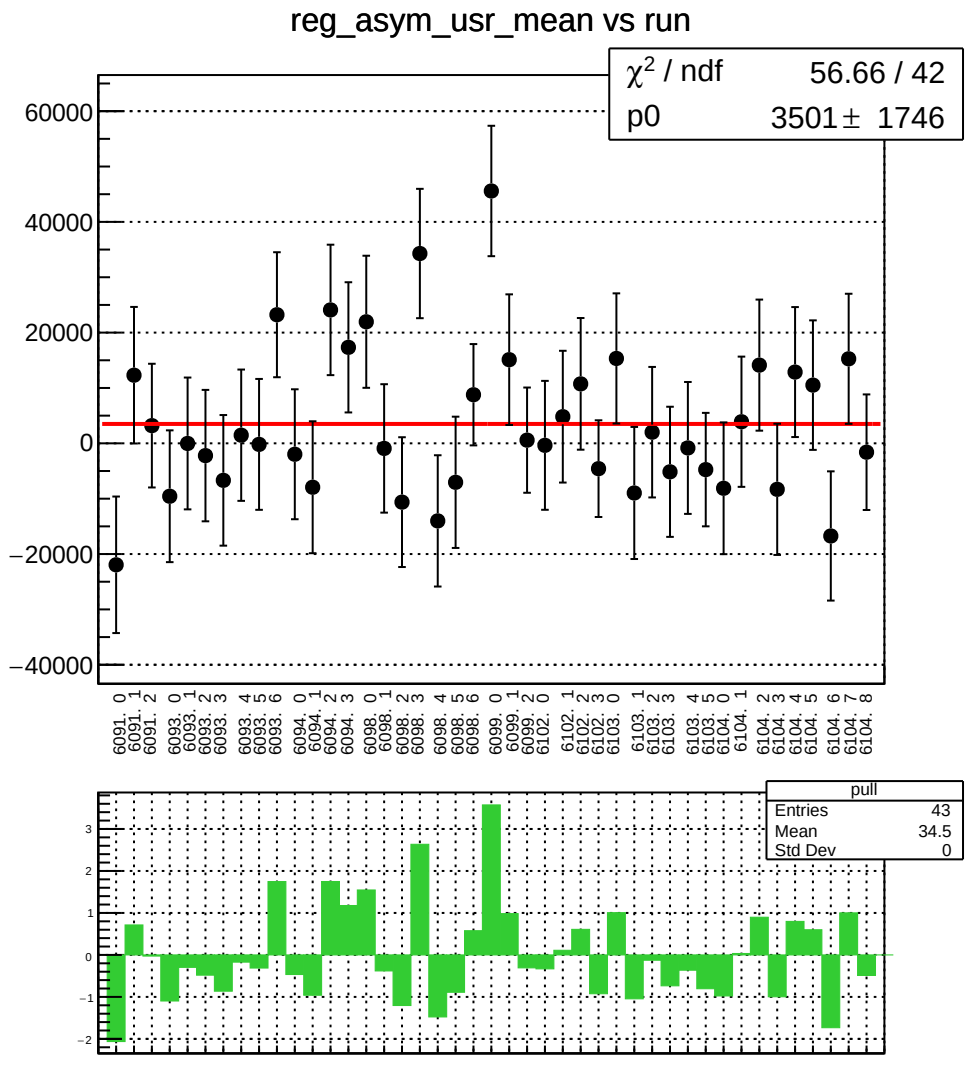

pull1D
Entries 43
Mean −0.06347
Std Dev 1.078

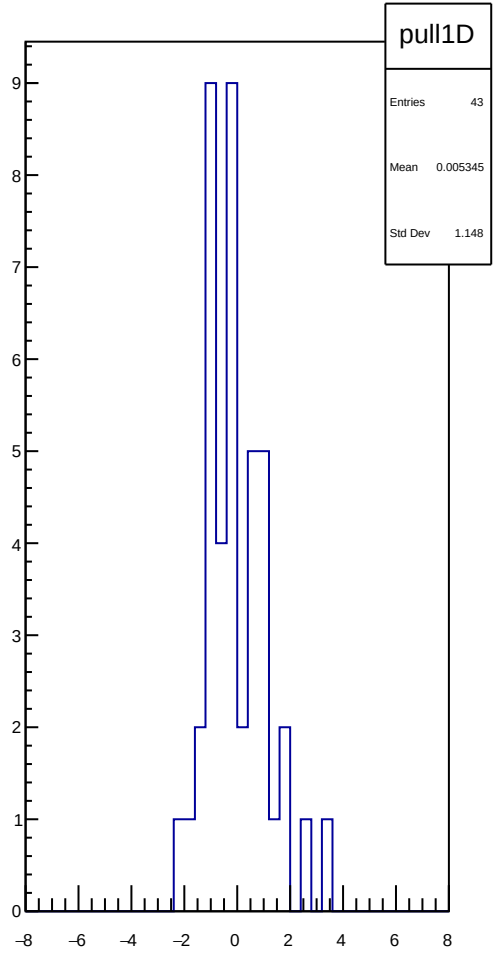

asym_usl_overload_cor_vs_cor_diff_rms vs run
χ² / ndf 5.098e+04 / 42
p0 34.4 ± 0.03904
70
60
50
40
30
20
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

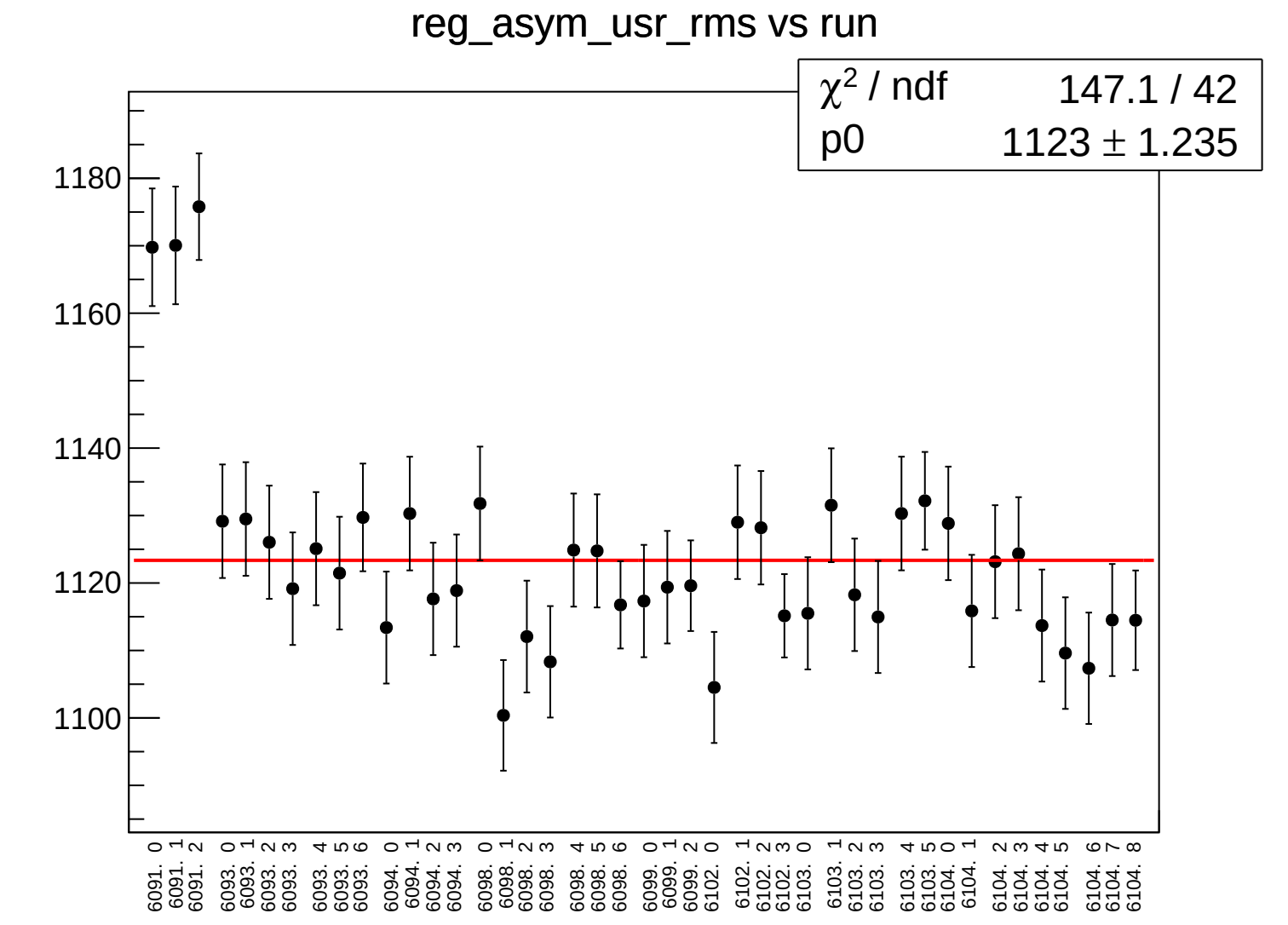

asym_usl_overload_cor_vs_eigen_cor_diff_mean vs run
χ² / ndf 50.16 / 42
p0 0.06695 ± 0.0552
pull
Entries 43
Mean 7.715
Std Dev 7.642

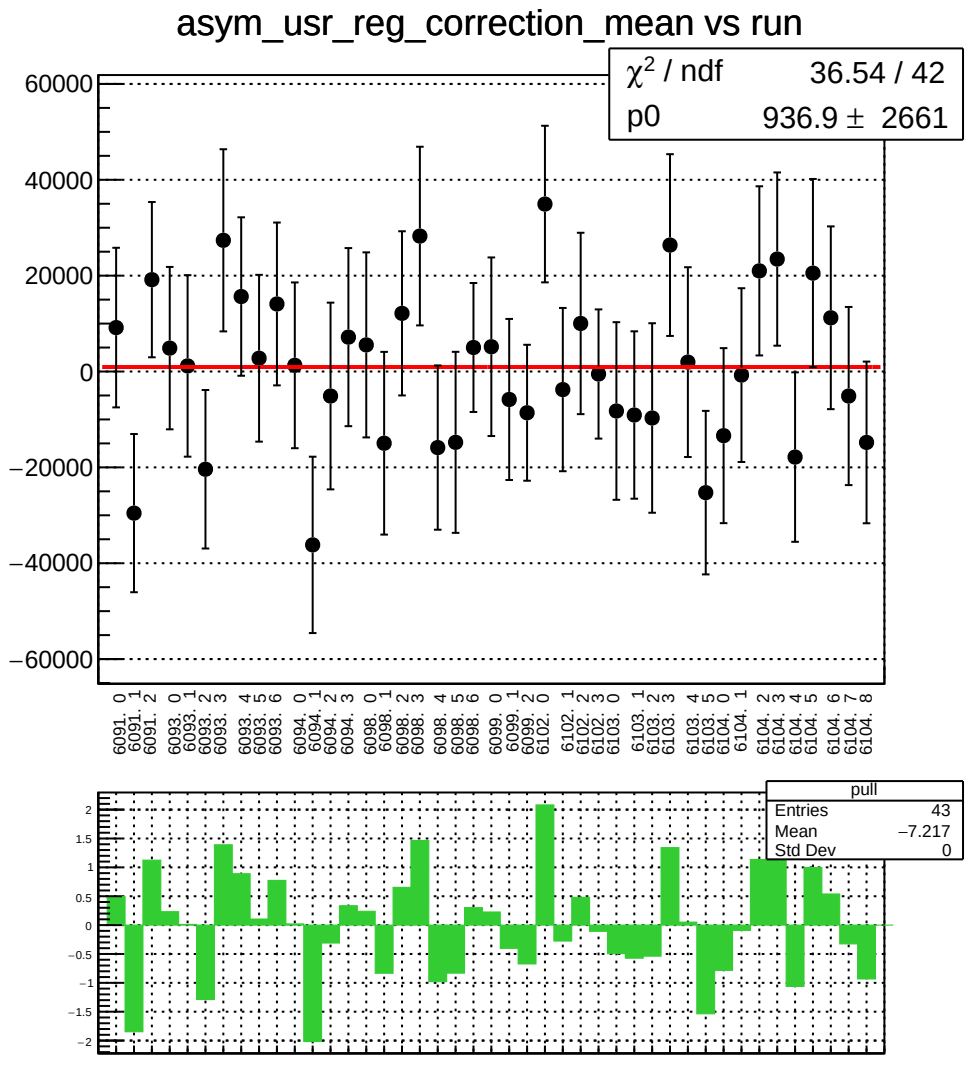

pull1D
Entries 43
Mean −0.06347
Std Dev 1.078

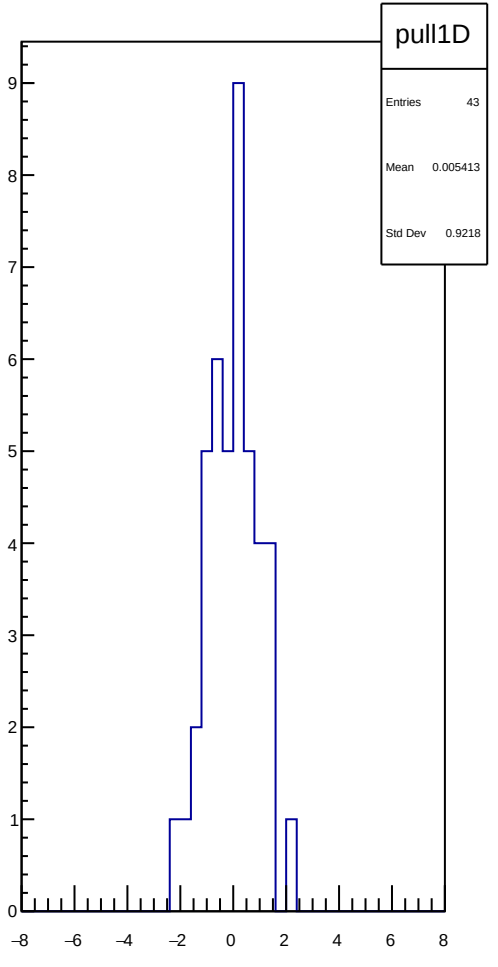

asym_usl_overload_cor_vs_eigen_cor_diff_rms vs run
χ² / ndf 5.098e+04 / 42
p0 34.4 ± 0.03904
70
60
50
40
30
20
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

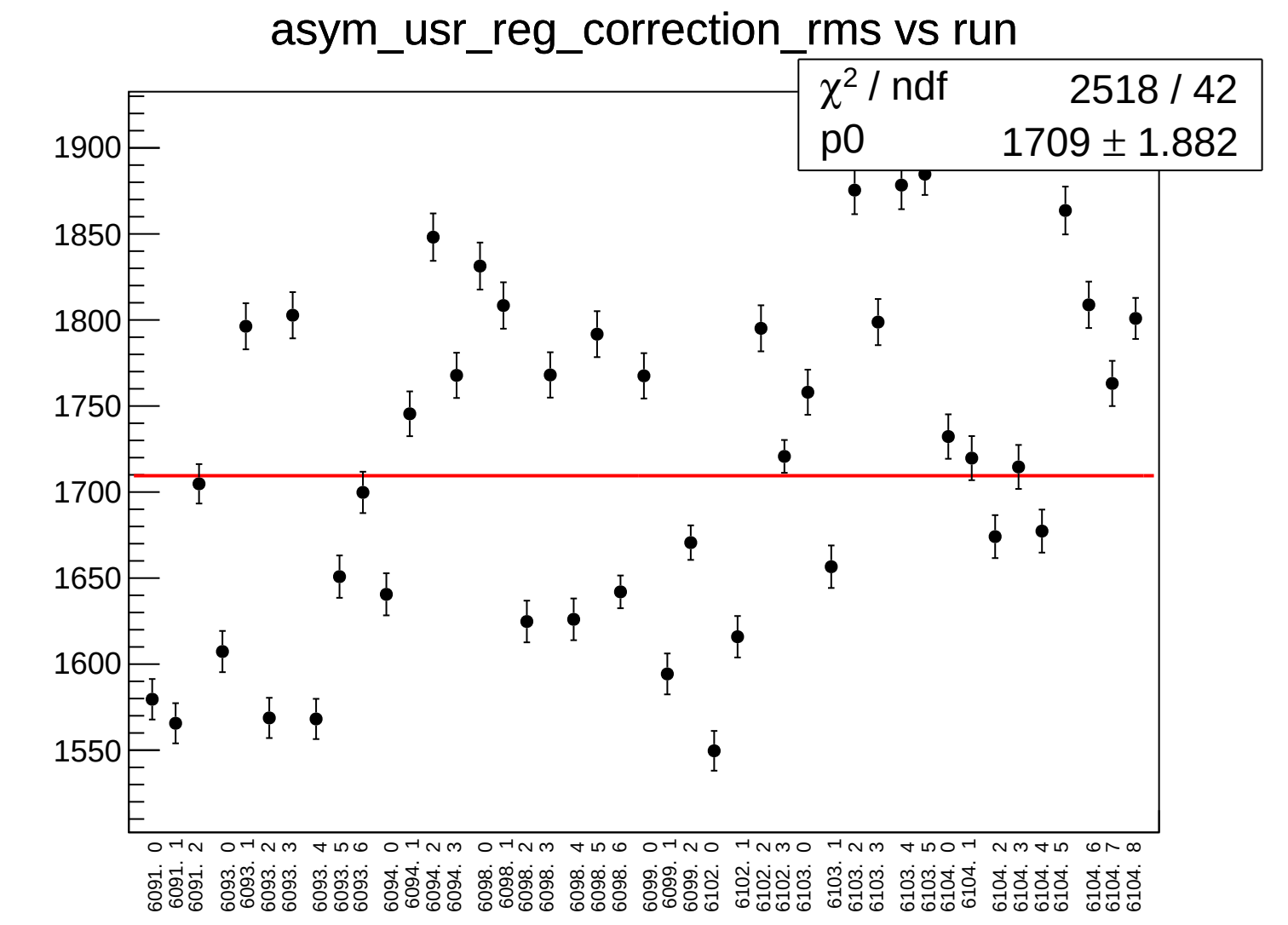

reg_asym_usr_mean vs run
χ² / ndf 56.66 / 42
p0 3501 ± 1746
60000
40000
20000
0
−20000
−40000
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 34.5
Std Dev 0
3
2
1
0
−1
−2

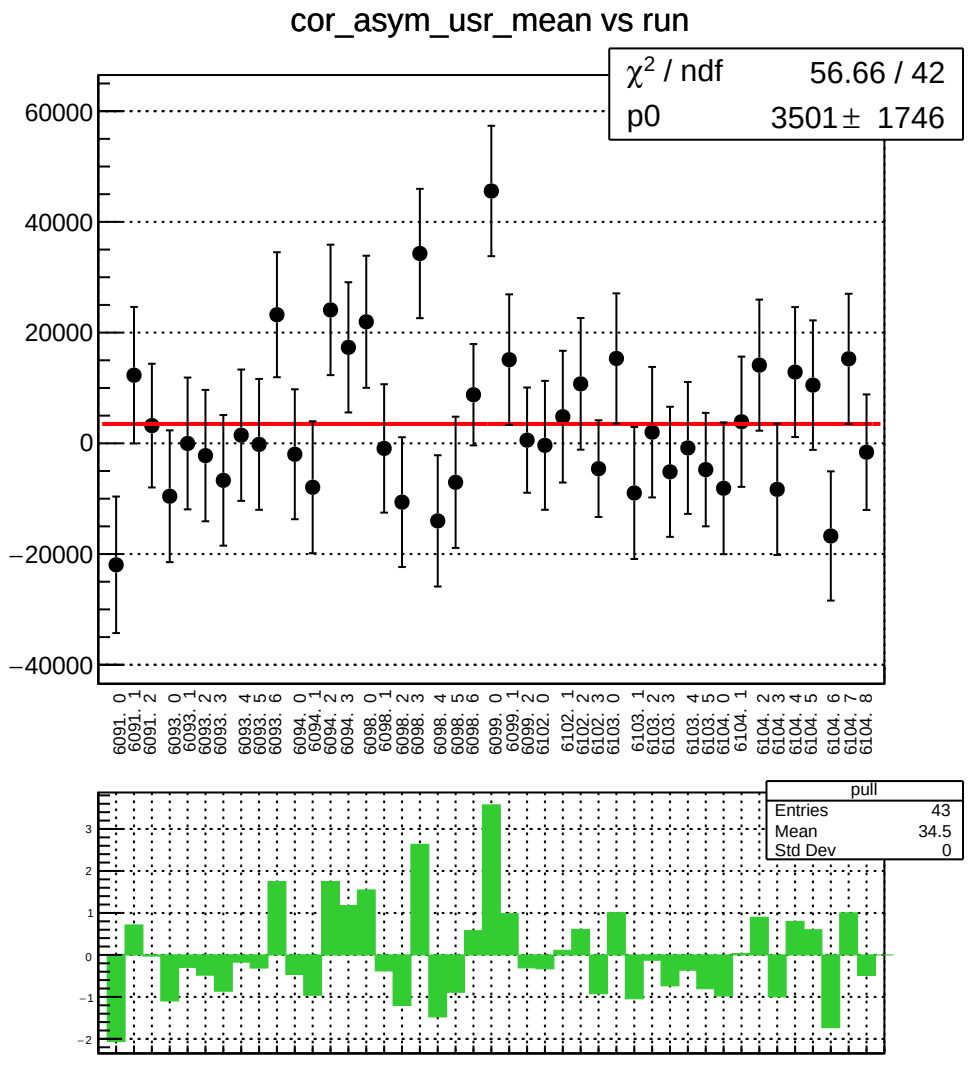

pull1D
Entries 43
Mean 0.005345
Std Dev 1.148
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

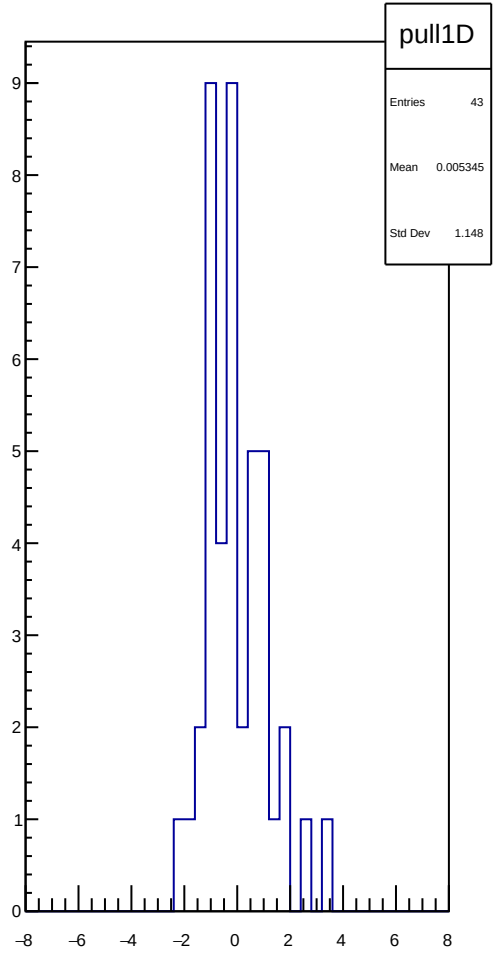

reg_asym_usr_rms vs run
χ² / ndf 147.1 / 42
p0 1123 ± 1.235
1180
1160
1140
1120
1100
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

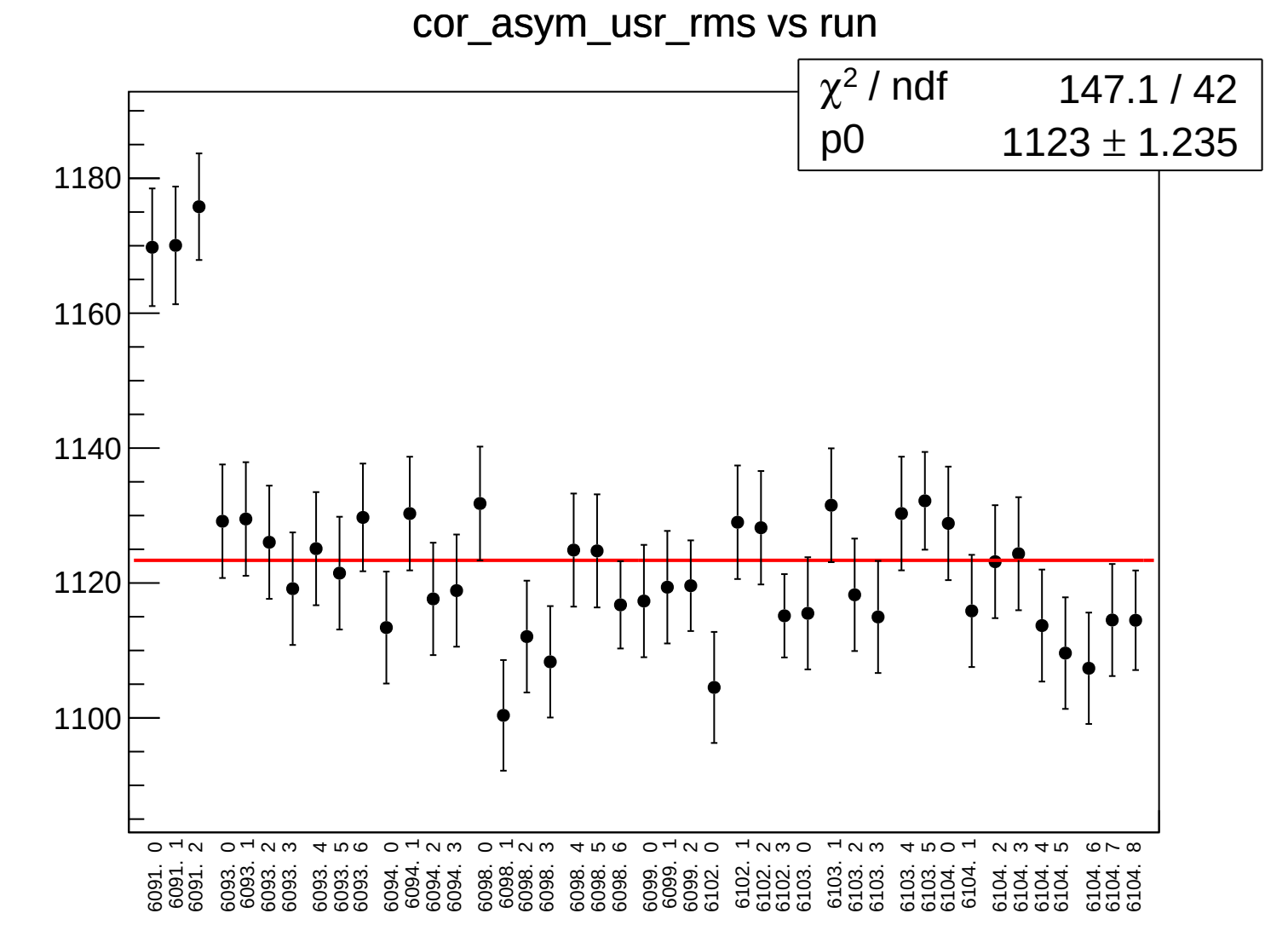

asym_usr_reg_correction_mean vs run
χ² / ndf 36.54 / 42
p0 936.9 ± 2661
60000
40000
20000
0
−20000
−40000
−60000
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean −7.217
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

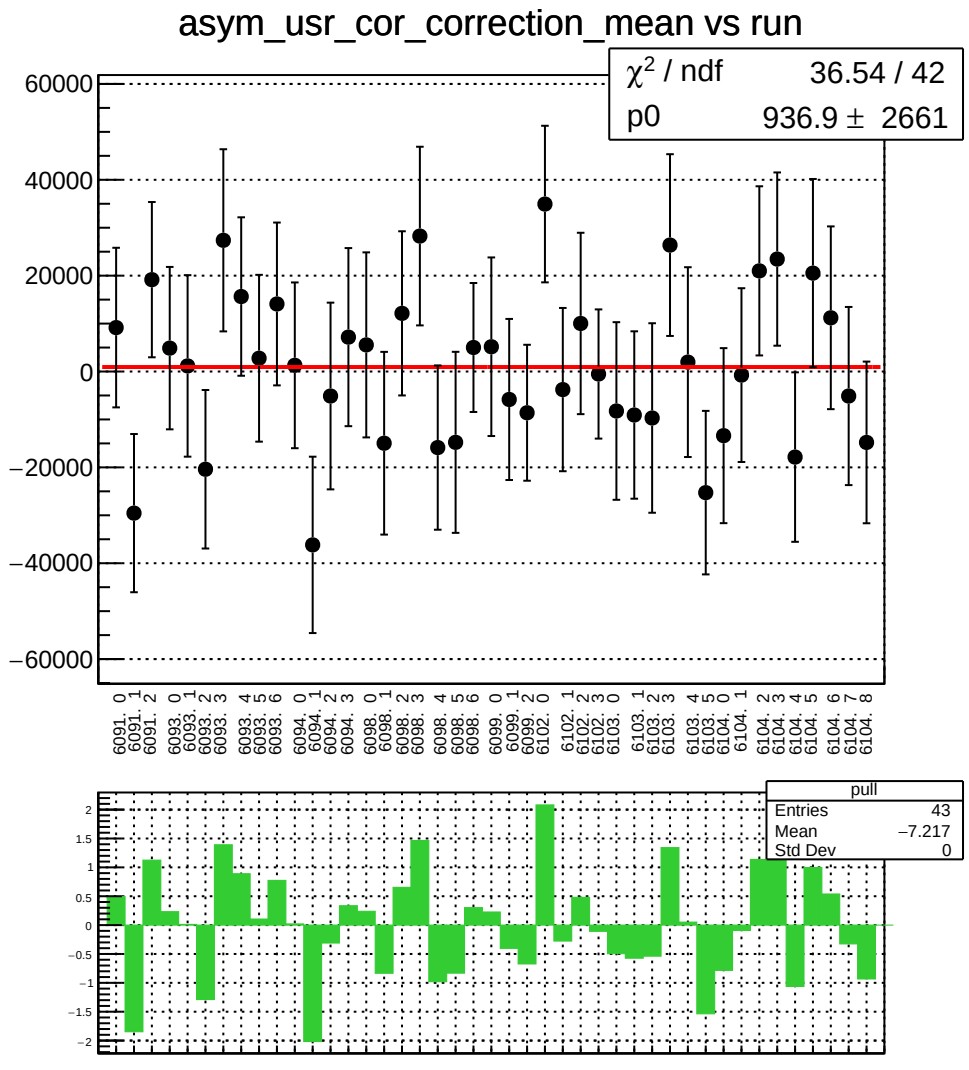

pull1D
Entries 43
Mean 0.005413
Std Dev 0.9218
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

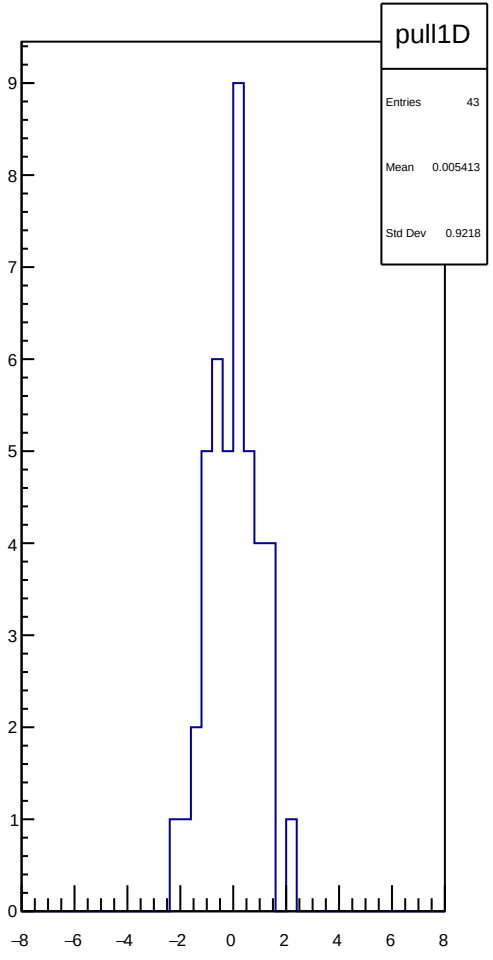

asym_usr_reg_correction_rms vs run
χ² / ndf 2518 / 42
p0 1709 ± 1.882
1900
1850
1800
1750
1700
1650
1600
1550
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

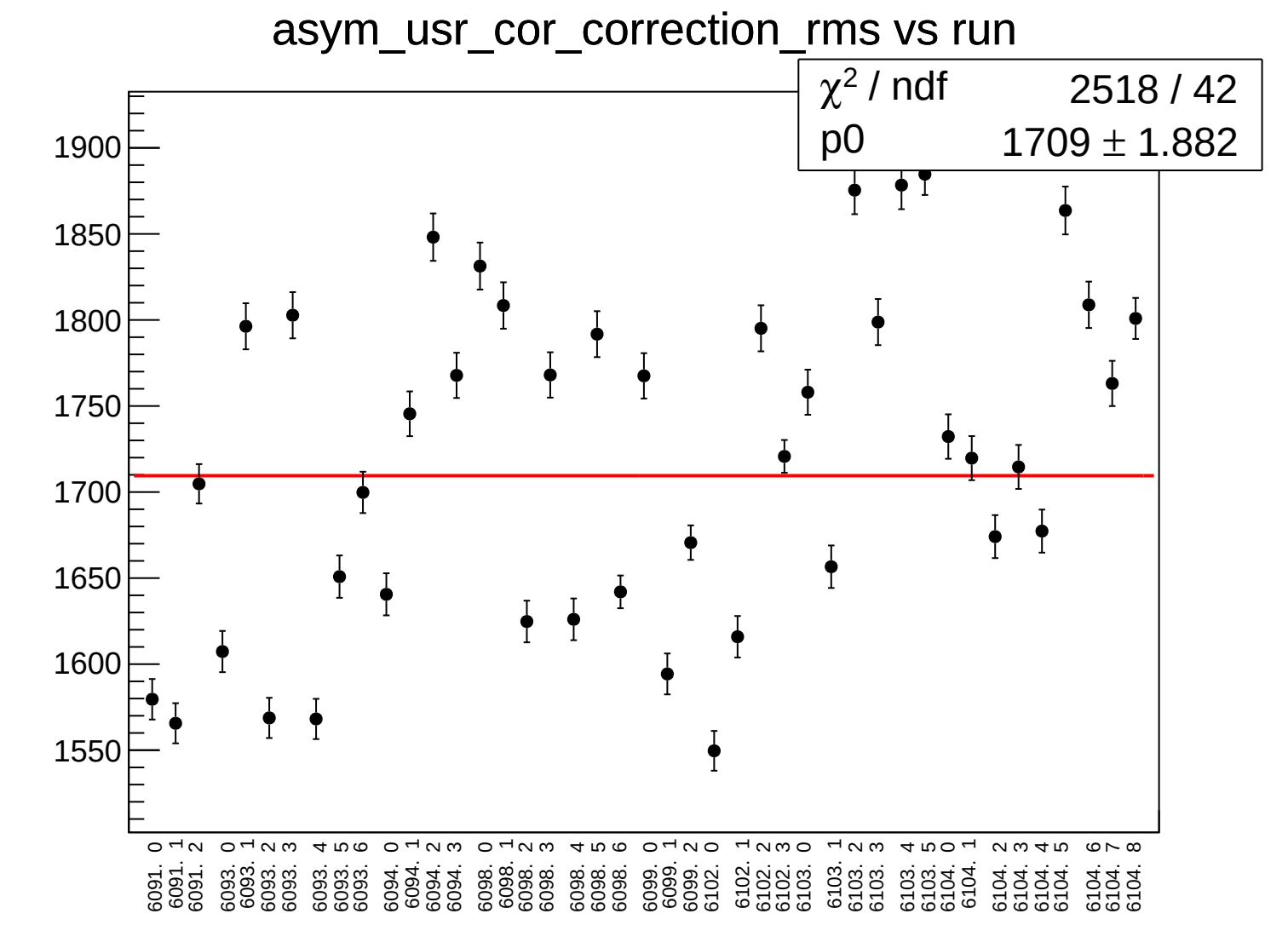

cor_asym_usr_mean vs run
χ² / ndf 56.66 / 42
p0 3501 ± 1746
60000
40000
20000
0
−20000
−40000
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 34.5
Std Dev 0
3
2
1
0
−1
−2

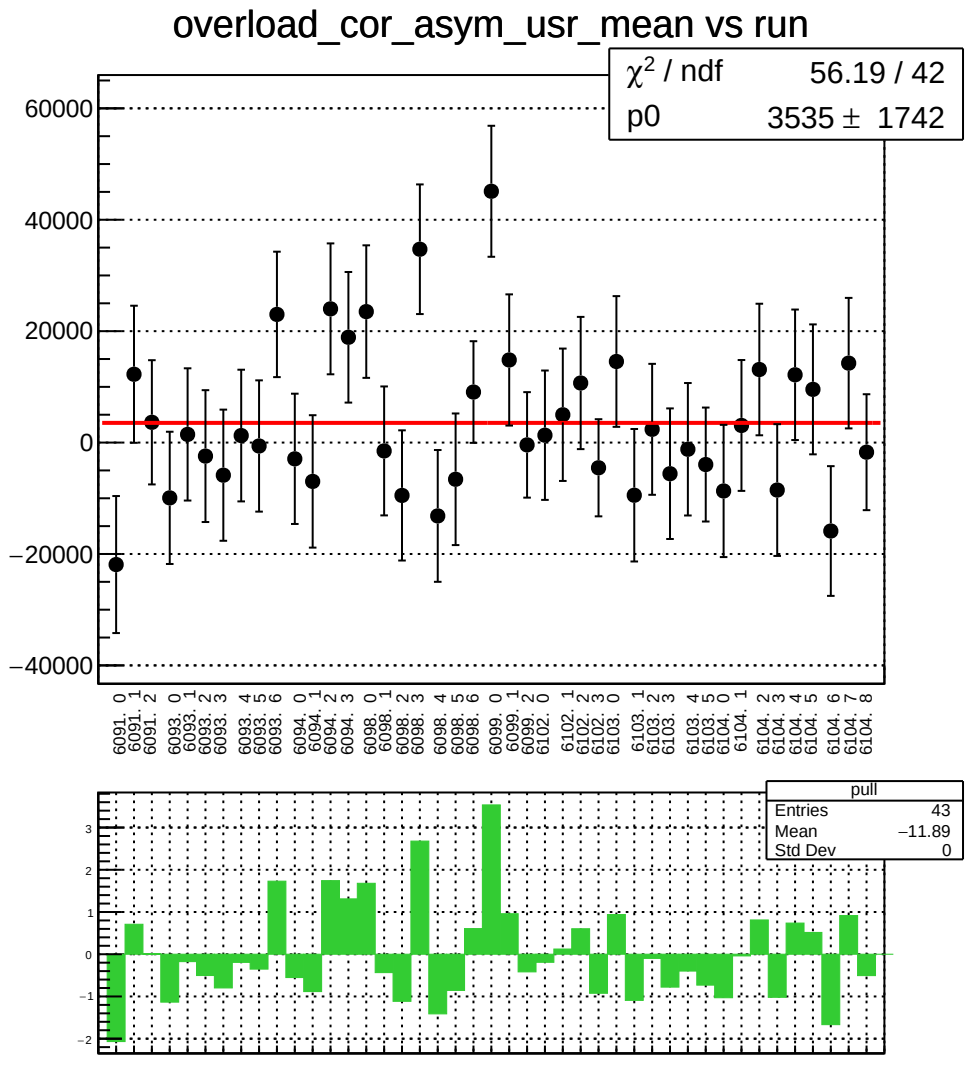

pull1D
Entries 43
Mean 0.005345
Std Dev 1.148
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

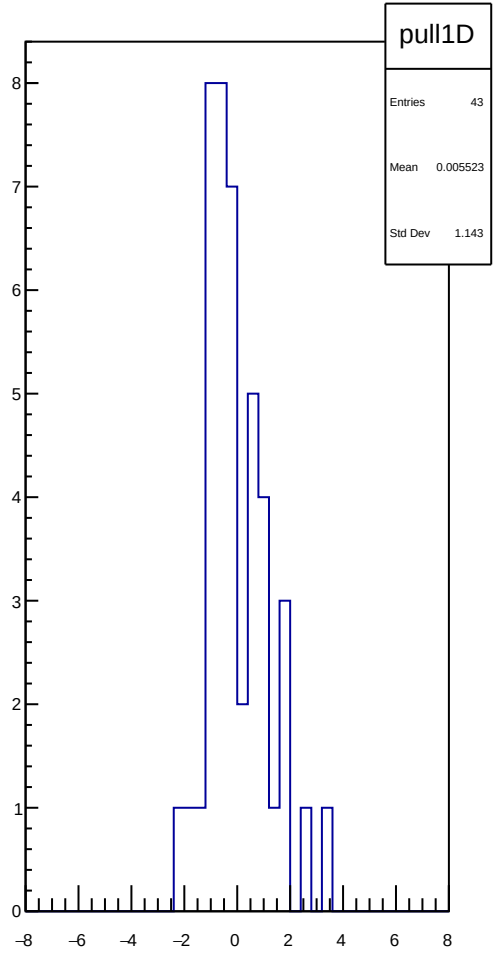

cor_asym_usr_rms vs run
χ² / ndf 147.1 / 42
p0 1123 ± 1.235
1180
1160
1140
1120
1100
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

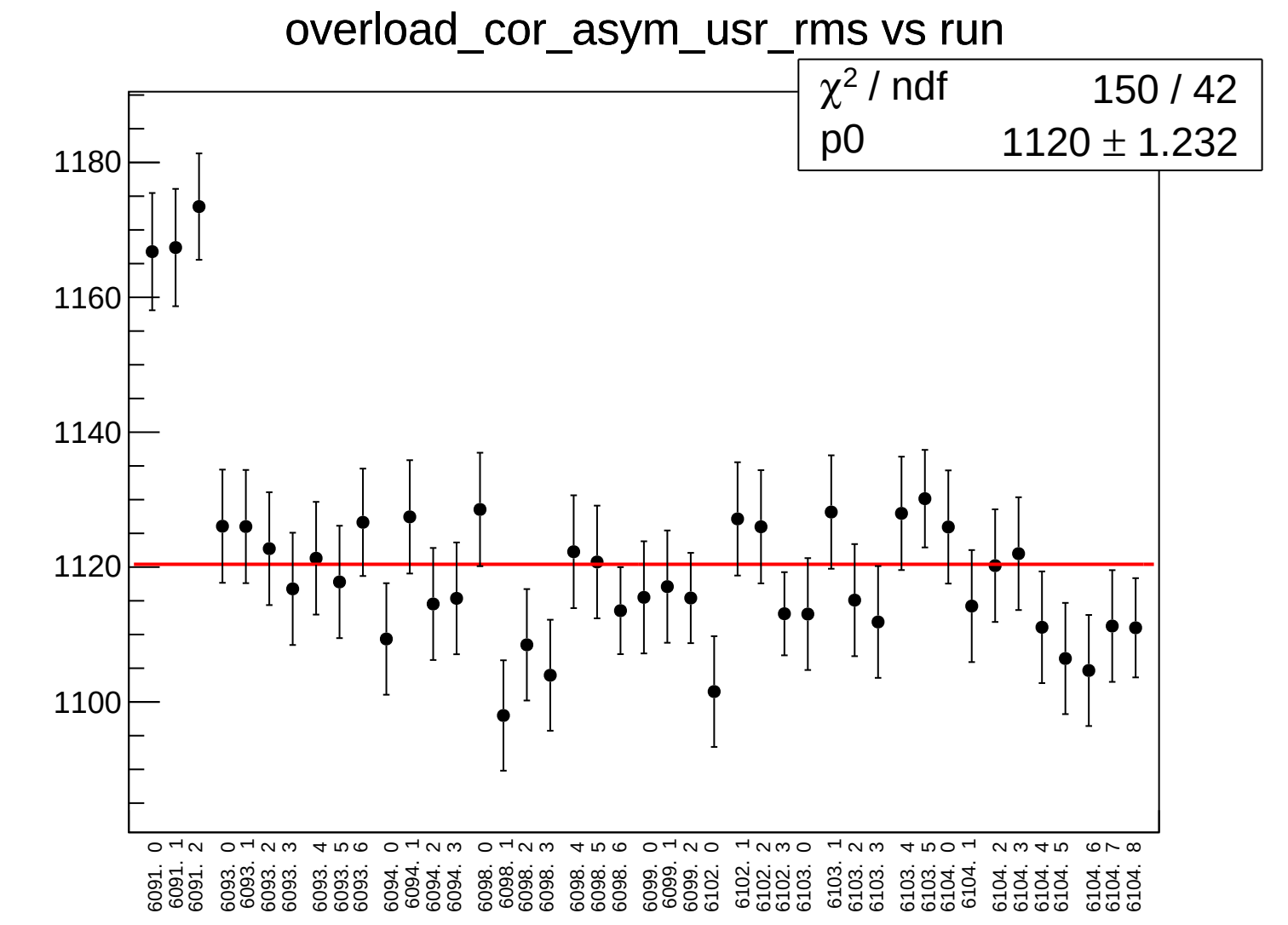

asym_usr_cor_correction_mean vs run
χ² / ndf 36.54 / 42
p0 936.9 ± 2661
60000
40000
20000
0
−20000
−40000
−60000
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean −7.217
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

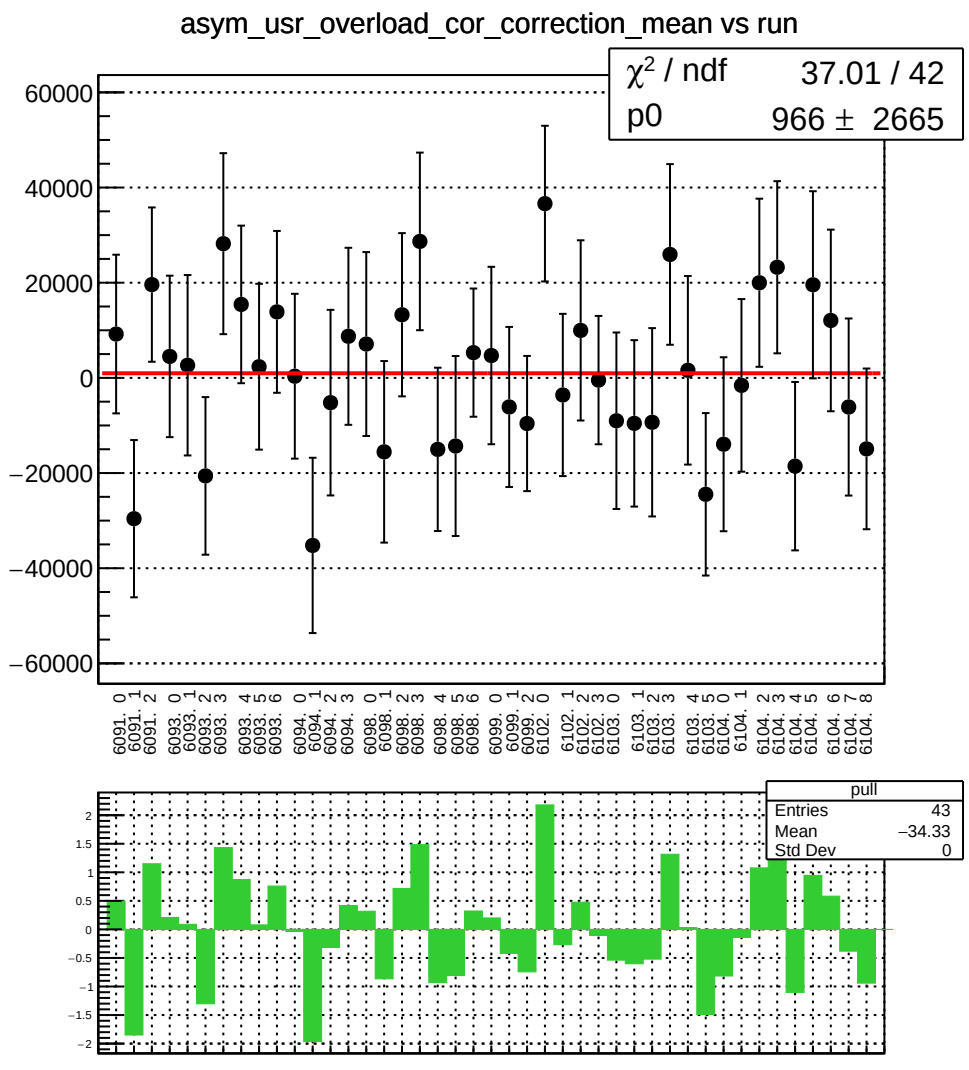

pull1D
Entries 43
Mean 0.005413
Std Dev 0.9218
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

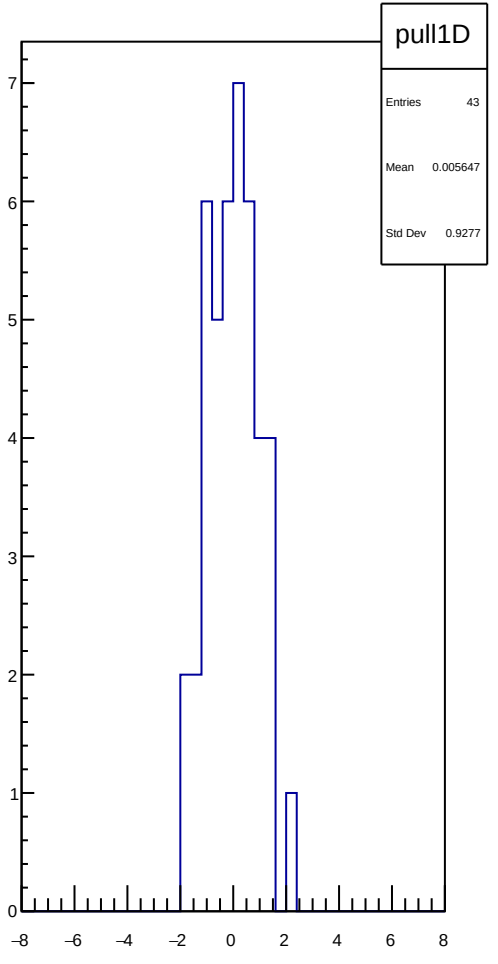

asym_usr_cor_correction_rms vs run
χ² / ndf 2518 / 42
p0 1709 ± 1.882
1900
1850
1800
1750
1700
1650
1600
1550
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

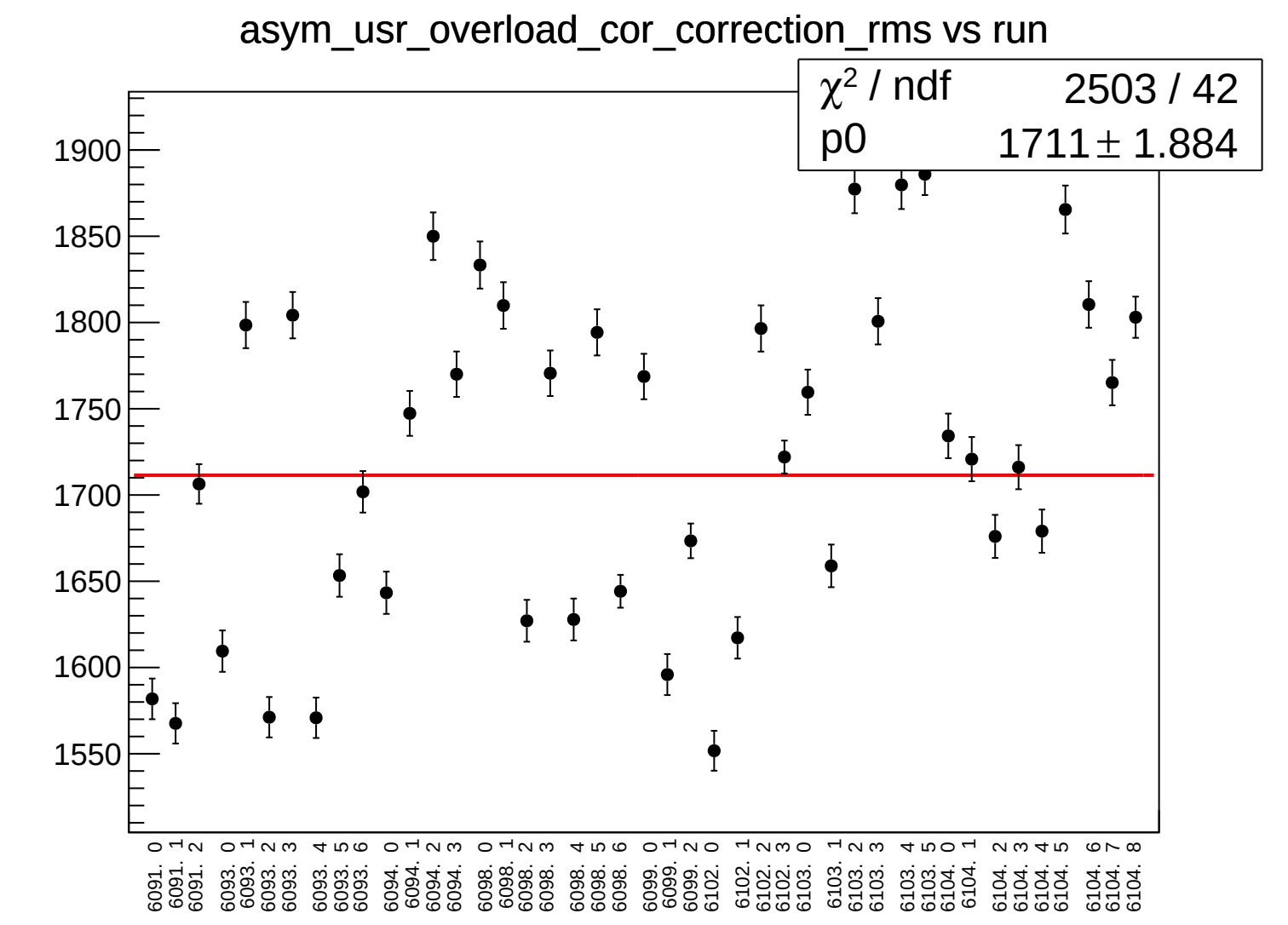

overload_cor_asym_usr_mean vs run
χ² / ndf 56.19 / 42
p0 3535 ± 1742
60000
40000
20000
0
−20000
−40000
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean −11.89
Std Dev 0
3
2
1
0
−1
−2

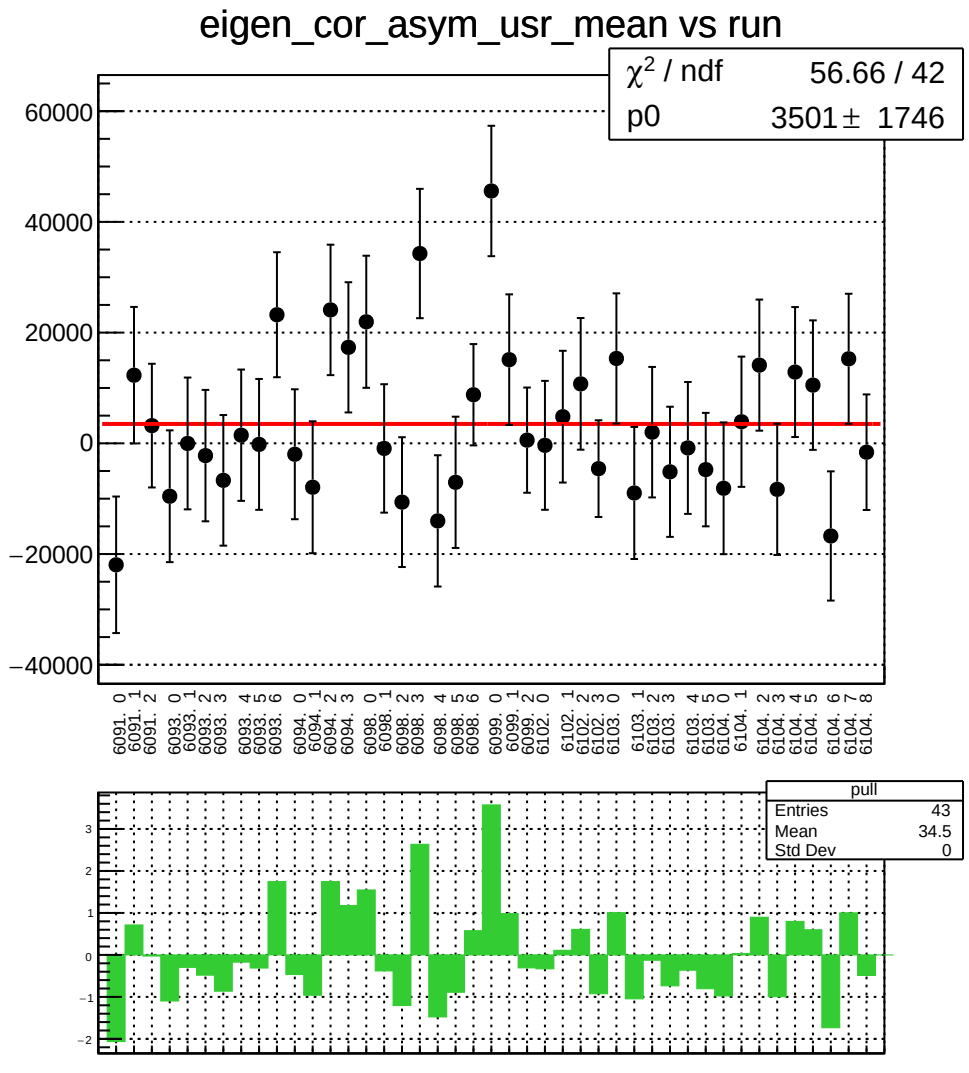

pull1D
Entries 43
Mean 0.005523
Std Dev 1.143
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

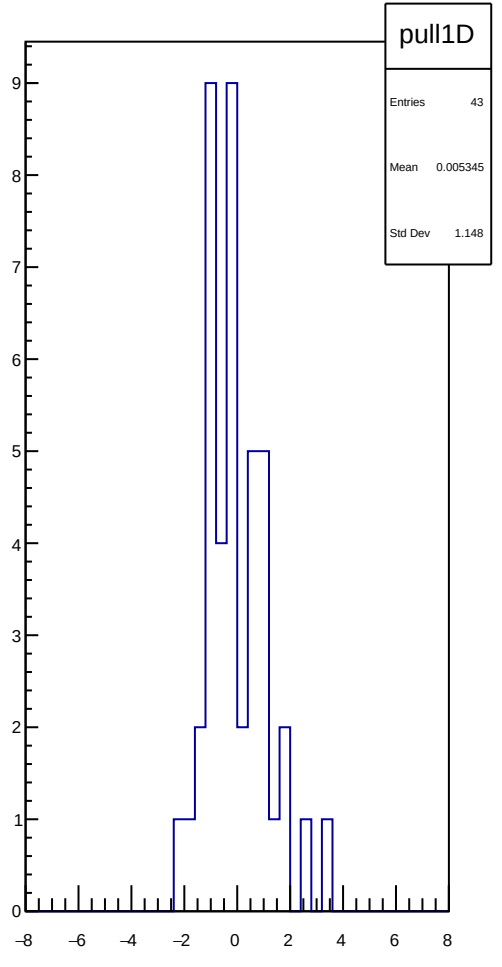

overload_cor_asym_usr_rms vs run
χ² / ndf 150 / 42
p0 1120 ± 1.232
1180
1160
1140
1120
1100
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

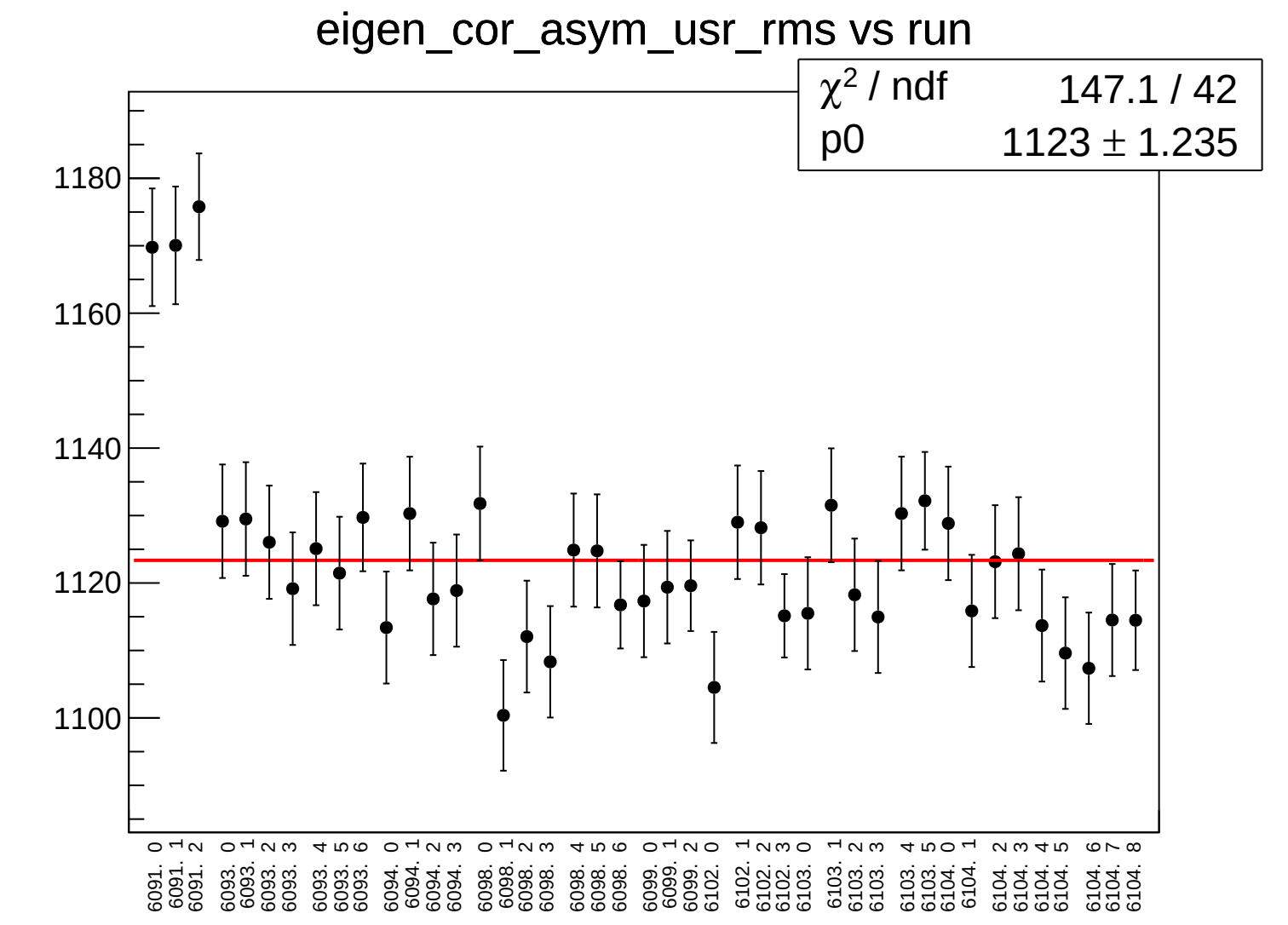

asym_usr_overload_cor_correction_mean vs run
χ² / ndf 37.01 / 42
p0 966 ± 2665
60000
40000
20000
0
−20000
−40000
−60000
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean −34.33
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

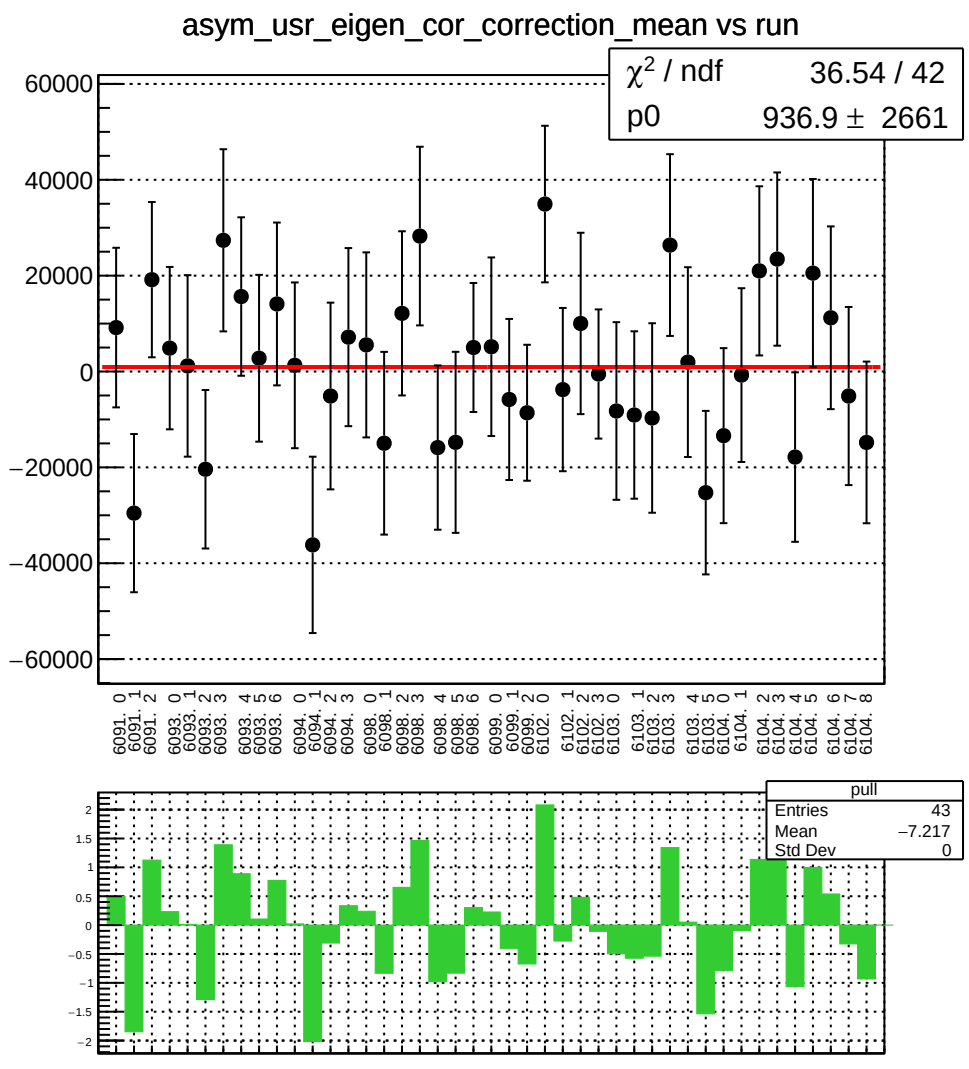

pull1D
Entries 43
Mean 0.005647
Std Dev 0.9277
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

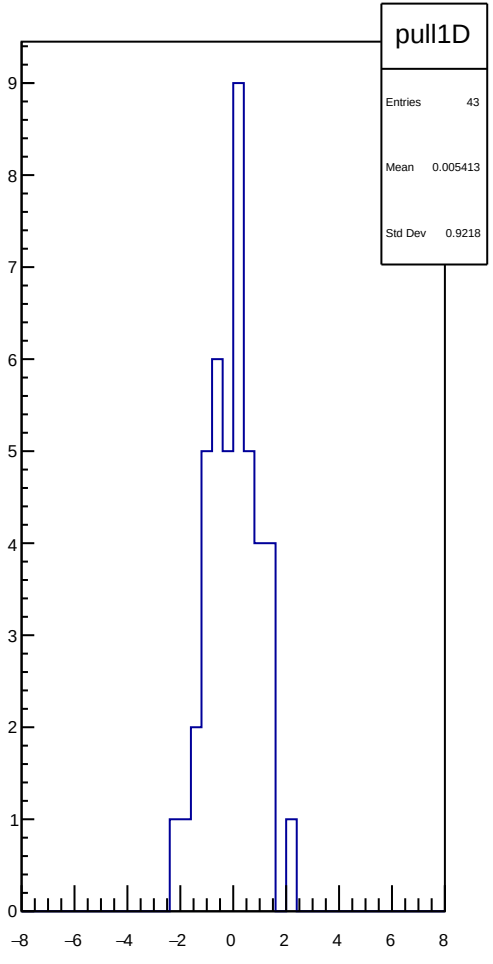

asym_usr_overload_cor_correction_rms vs run
χ² / ndf 2503 / 42
p0 1711 ± 1.884
1900
1850
1800
1750
1700
1650
1600
1550
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

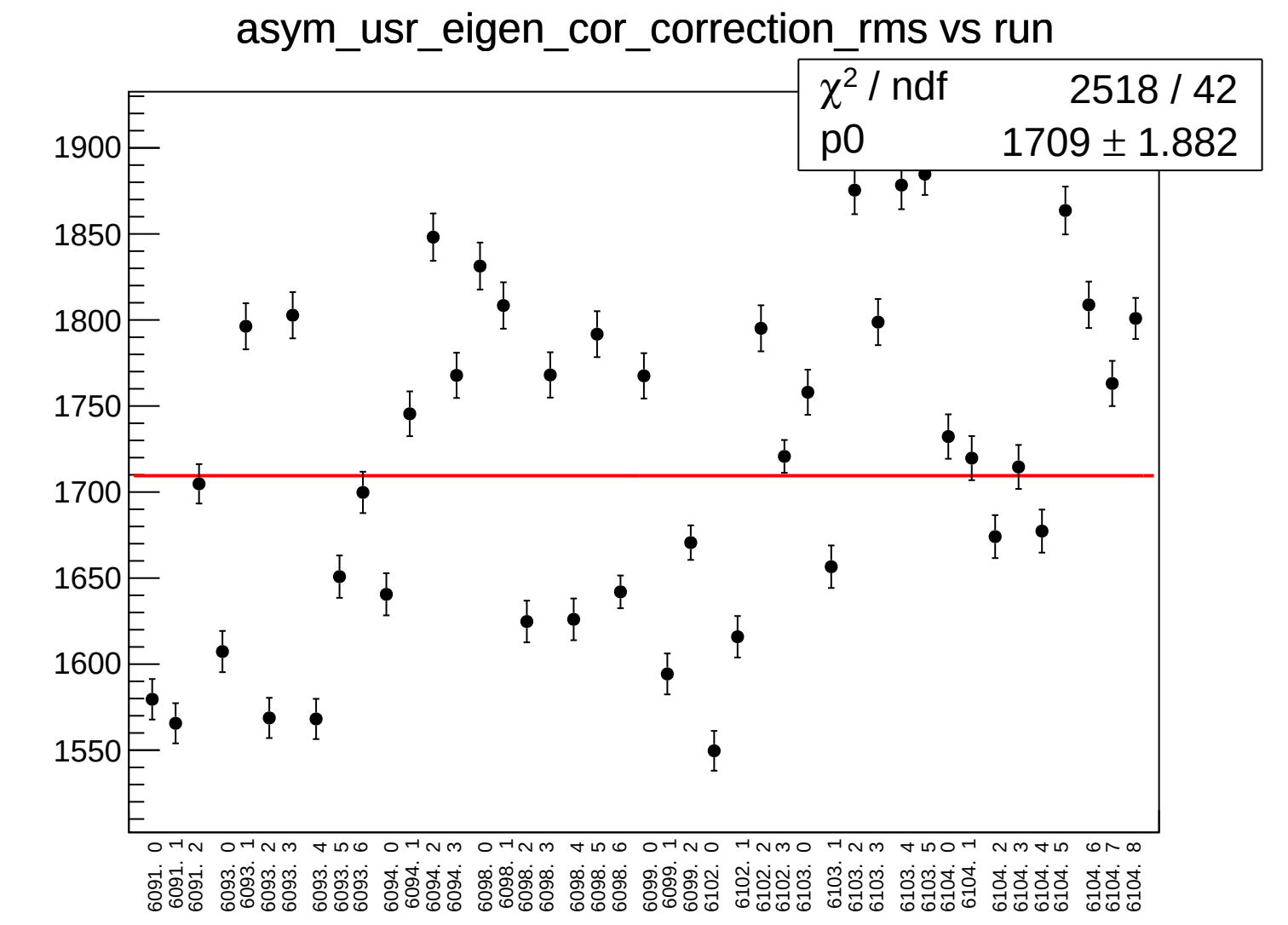

eigen_cor_asym_usr_mean vs run
χ² / ndf 56.66 / 42
p0 3501 ± 1746
60000
40000
20000
0
−20000
−40000
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 34.5
Std Dev 0
3
2
1
0
−1
−2

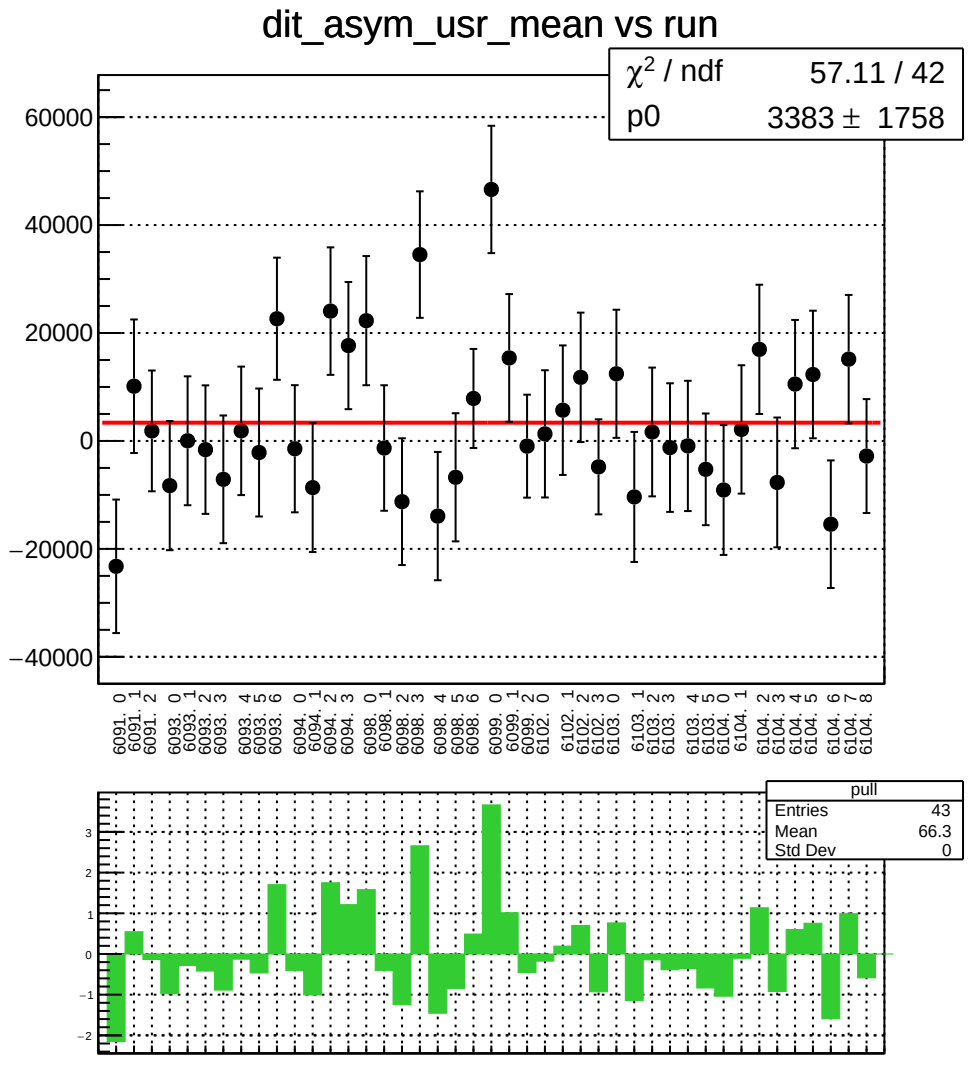

pull1D
Entries 43
Mean 0.005345
Std Dev 1.148
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

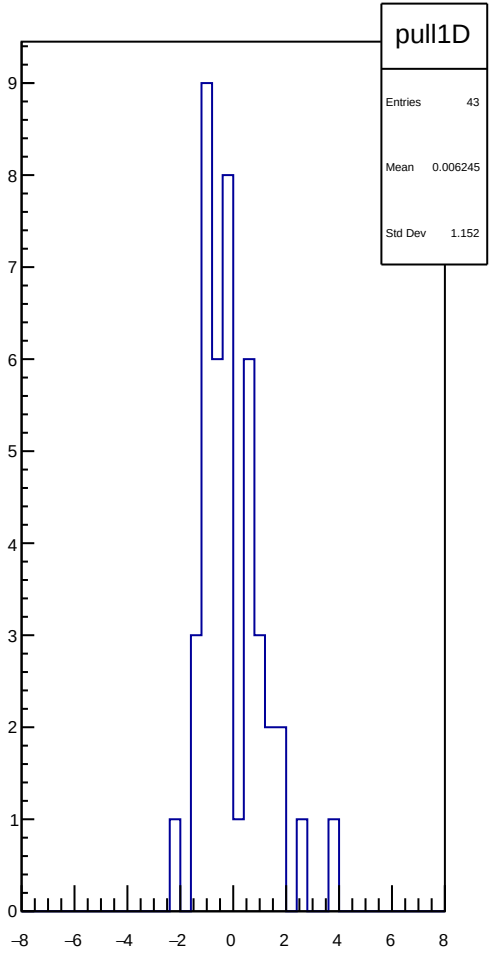

eigen_cor_asym_usr_rms vs run
χ^2 / ndf 147.1 / 42
p0 1123 ± 1.235
1180
1160
1140
1120
1100
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

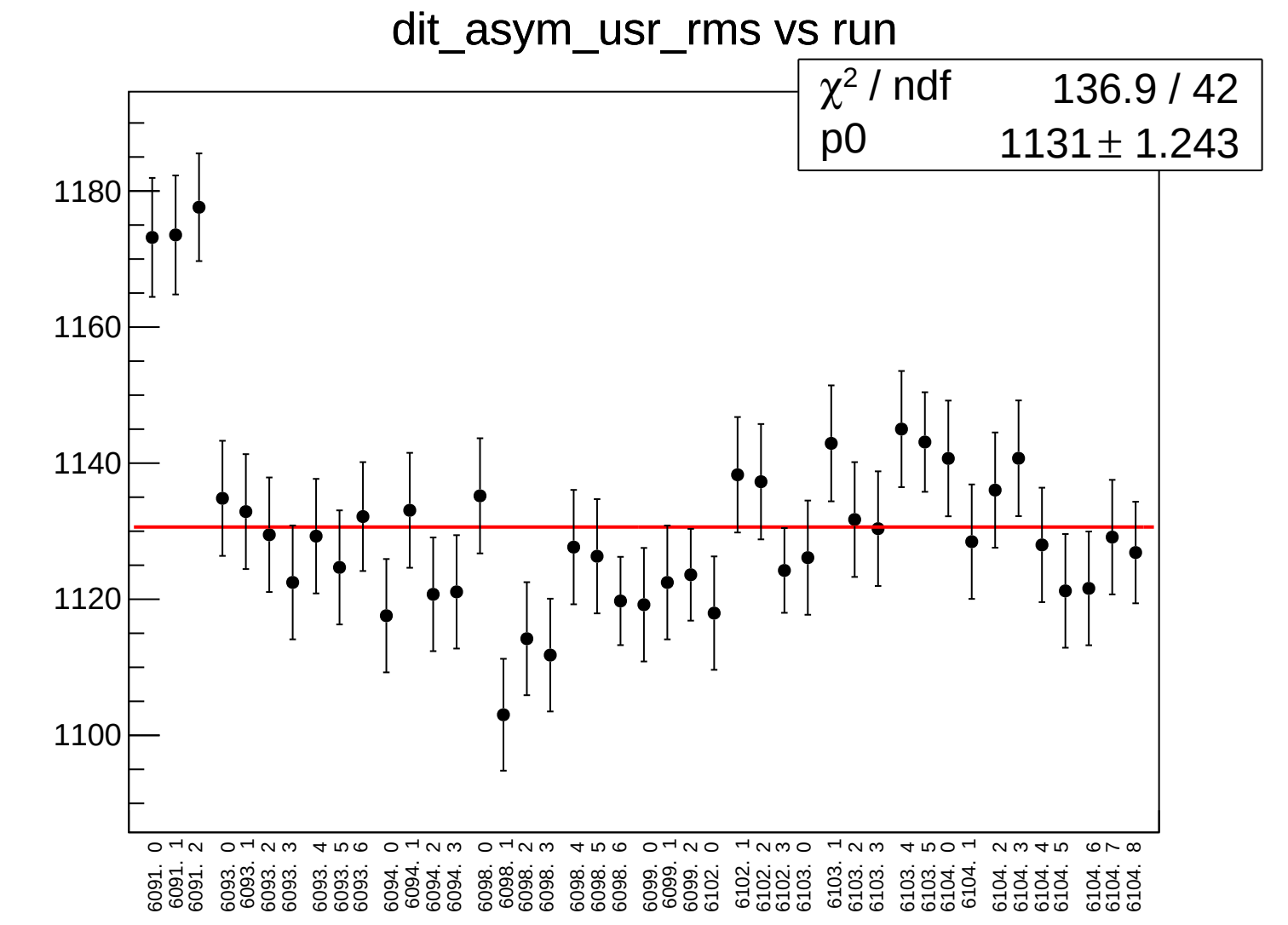

asym_usr_eigen_cor_correction_mean vs run
χ² / ndf 36.54 / 42
p0 936.9 ± 2661
60000
40000
20000
0
−20000
−40000
−60000
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean −7.217
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

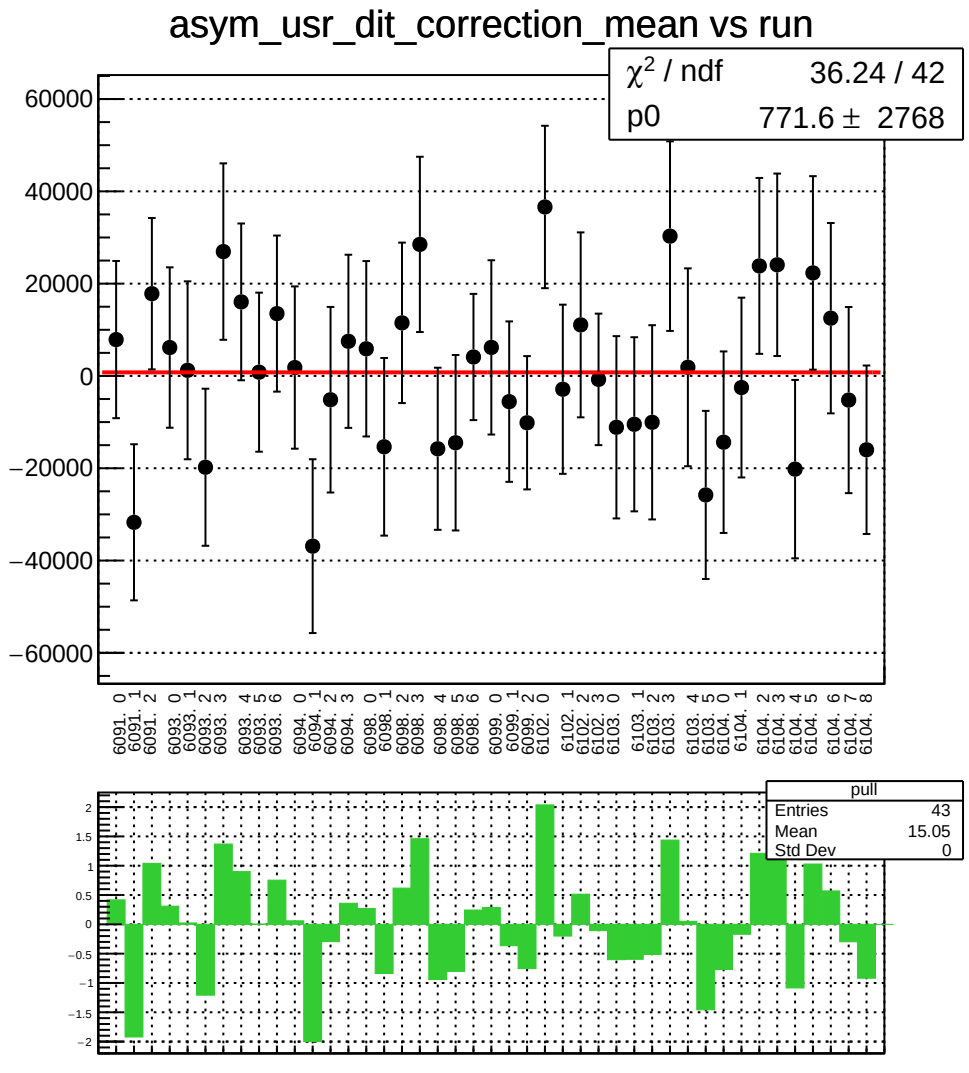

pull1D
Entries 43
Mean 0.005413
Std Dev 0.9218
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

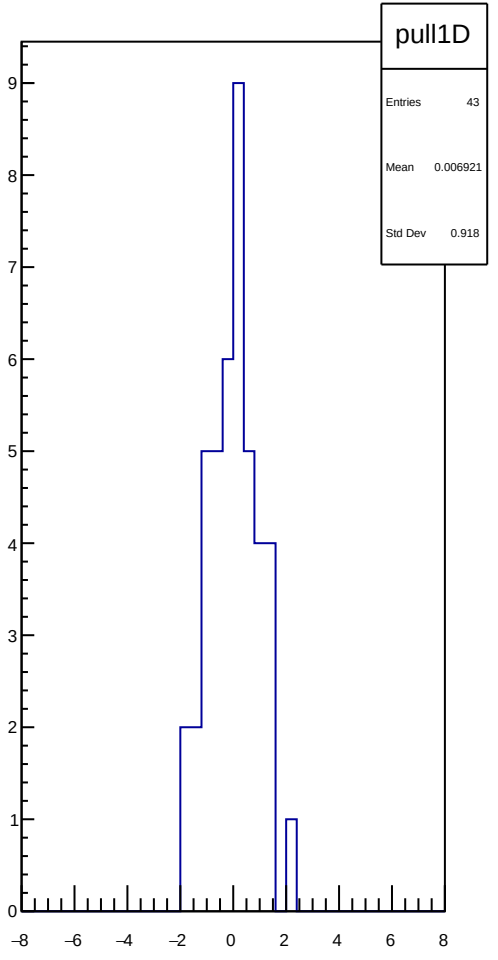

asym_usr_eigen_cor_correction_rms vs run
χ² / ndf 2518 / 42
p0 1709 ± 1.882
1900
1850
1800
1750
1700
1650
1600
1550
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

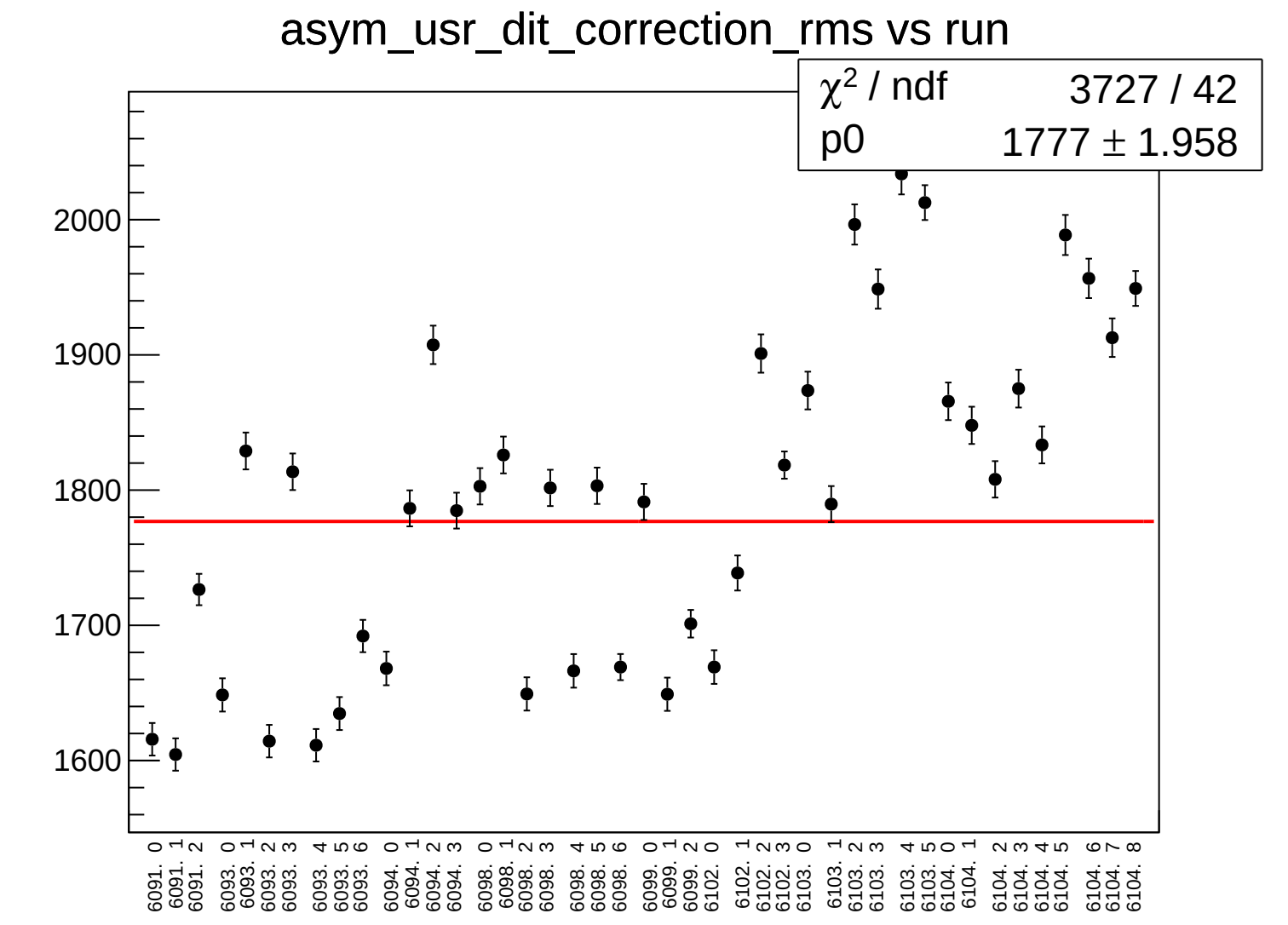

dit_asym_usr_mean vs run
χ² / ndf 57.11 / 42
p0 3383 ± 1758
60000
40000
20000
0
−20000
−40000
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 66.3
Std Dev 0
3
2
1
0
−1
−2

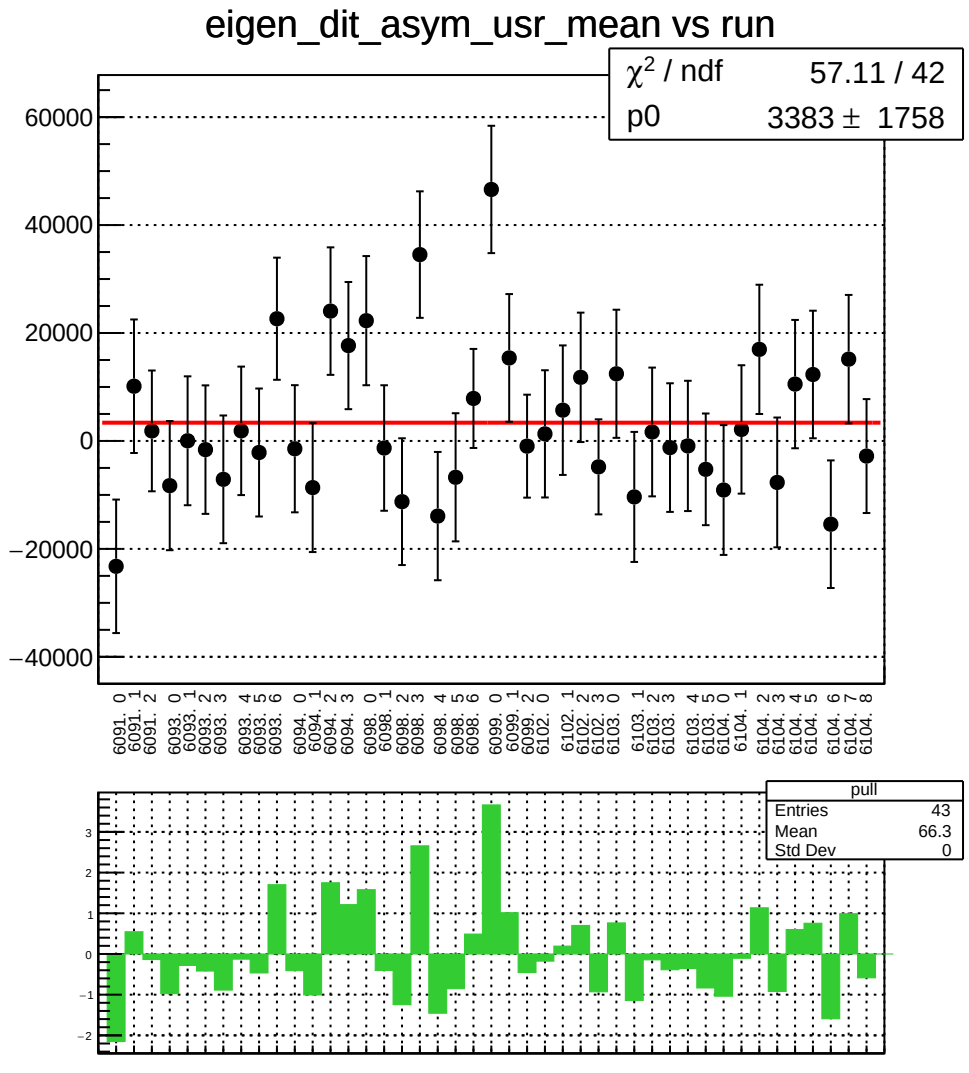

pull1D
Entries 43
Mean 0.006245
Std Dev 1.152
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

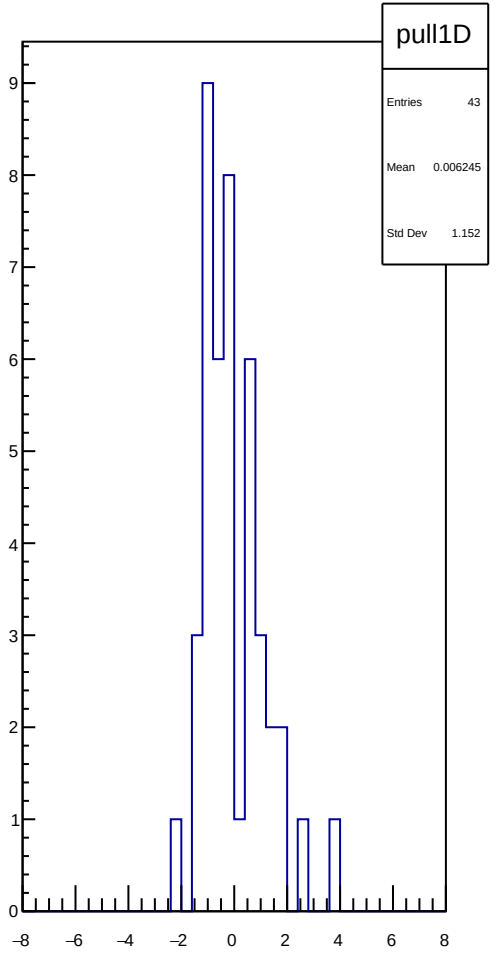

dit_asym_usr_rms vs run
χ² / ndf 136.9 / 42
p0 1131 ± 1.243
1180
1160
1140
1120
1100
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

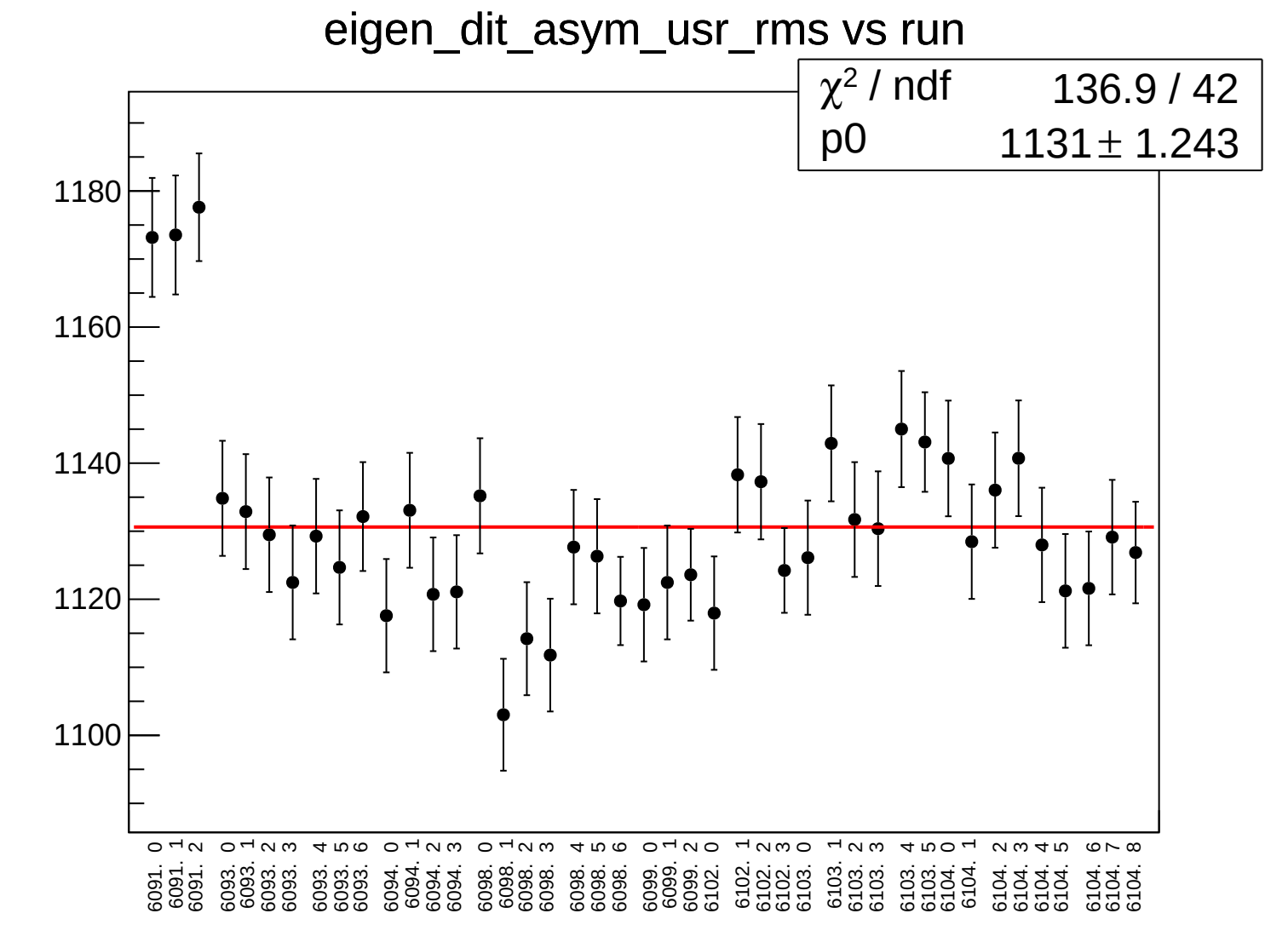

asym_usr_dit_correction_mean vs run
χ² / ndf 36.24 / 42
p0 771.6 ± 2768
60000
40000
20000
0
−20000
−40000
−60000
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 15.05
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

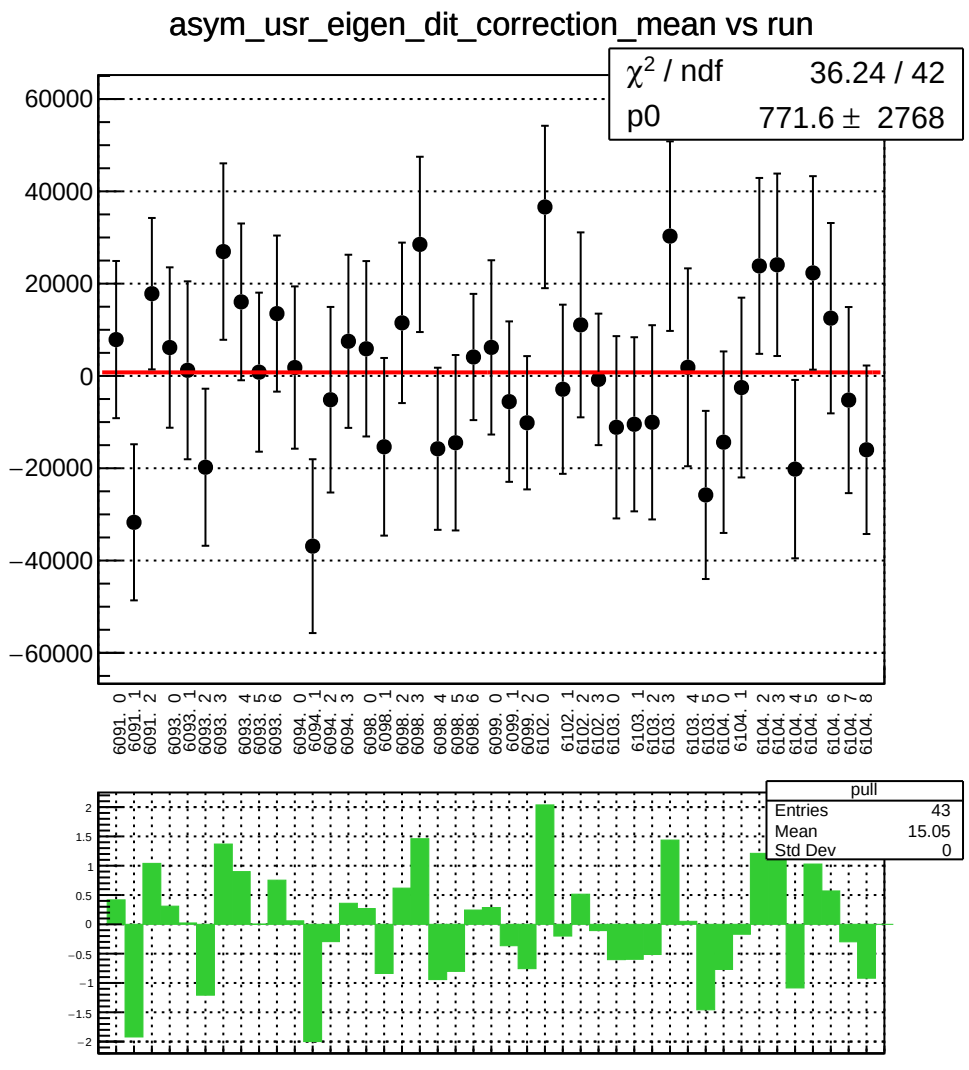

pull1D
Entries 43
Mean 0.006921
Std Dev 0.918
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

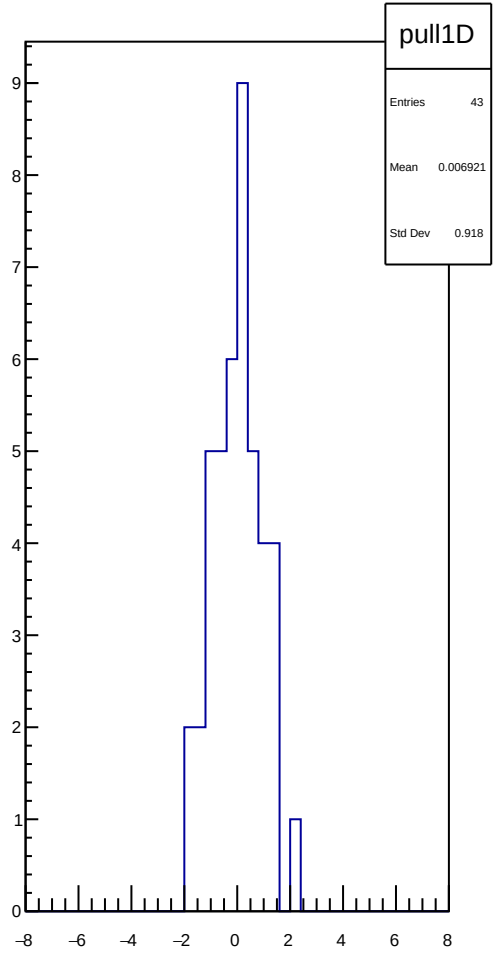

asym_usr_dit_correction_rms vs run
χ² / ndf 3727 / 42
p0 1777 ± 1.958
2000
1900
1800
1700
1600
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

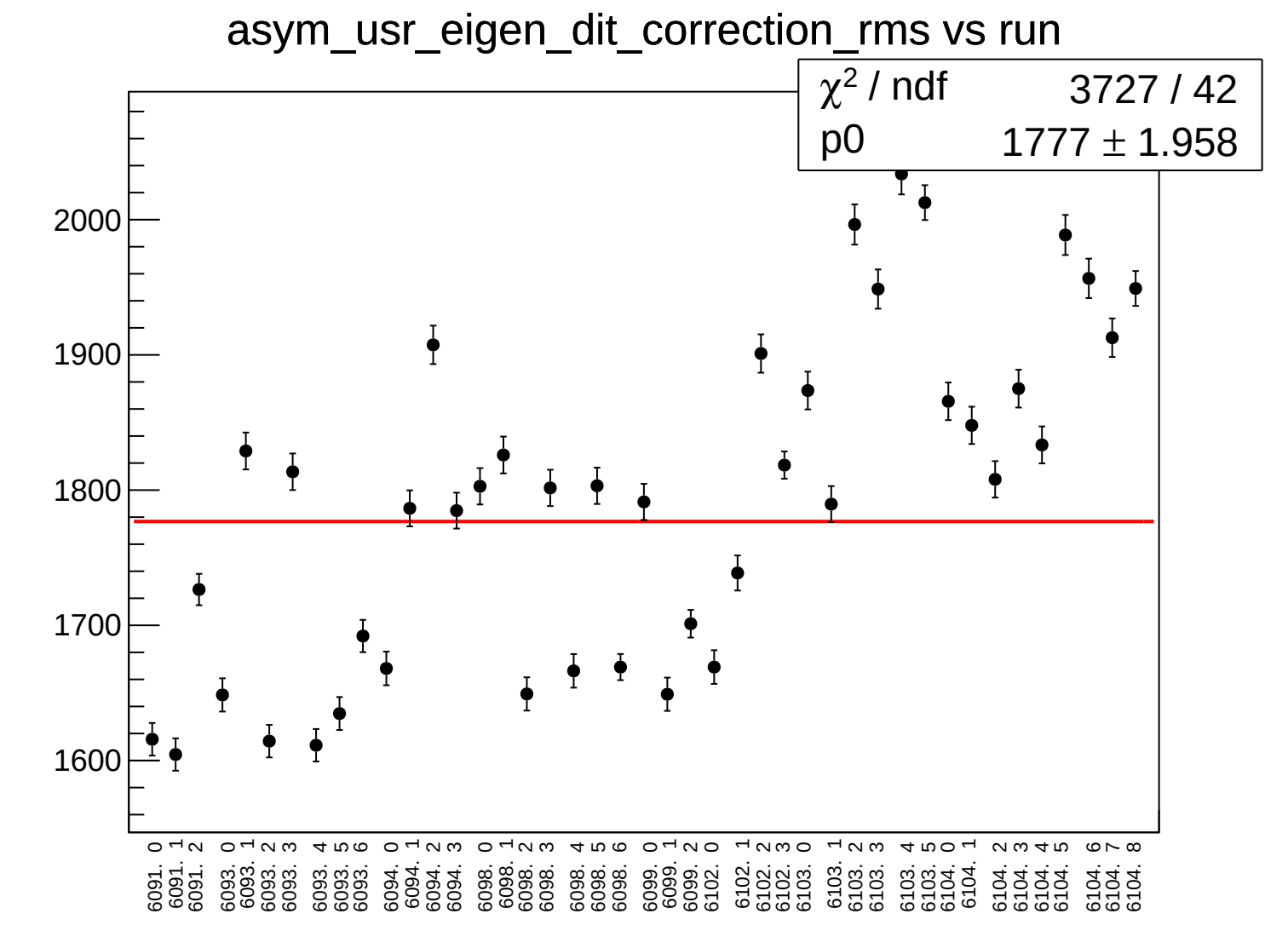

eigen_dit_asym_usr_mean vs run
χ² / ndf 57.11 / 42
p0 3383 ± 1758
60000
40000
20000
0
−20000
−40000
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 66.3
Std Dev 0
3
2
1
0
−1
−2

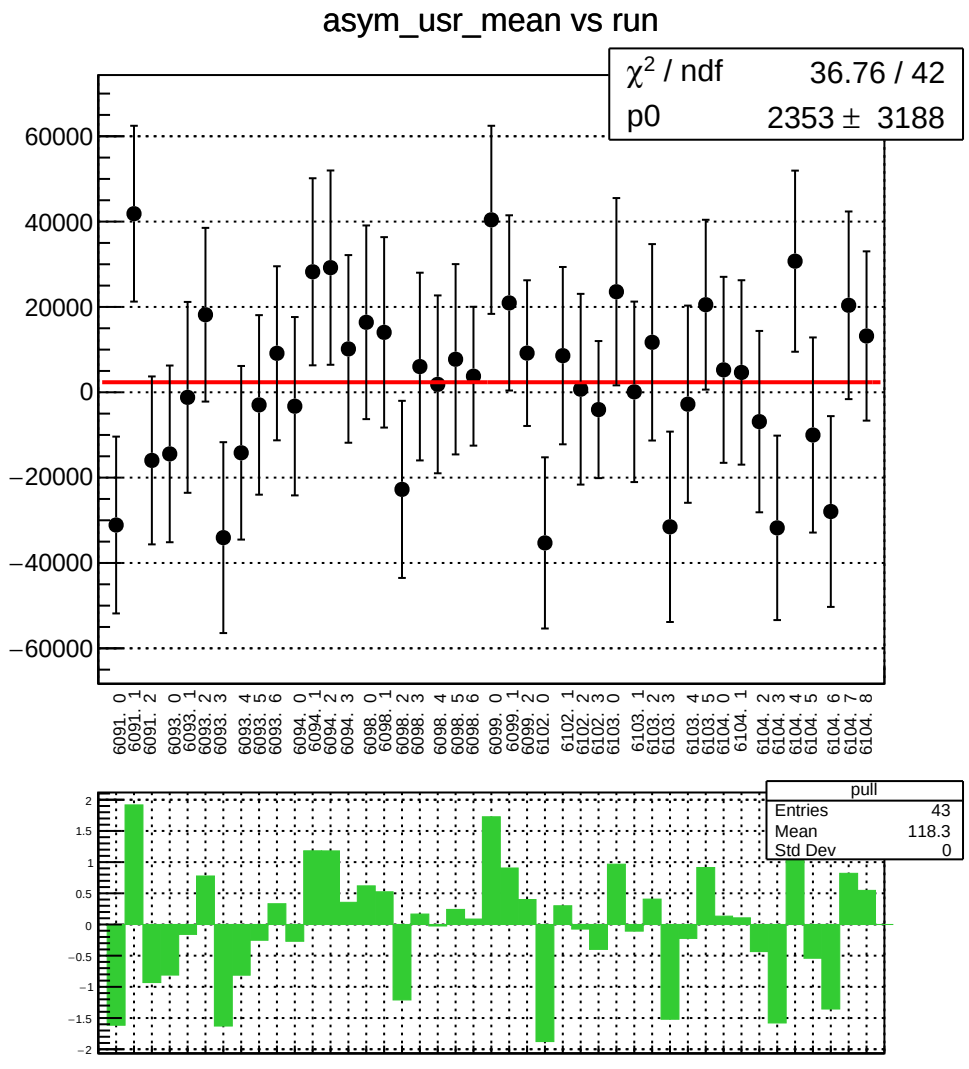

pull1D
Entries 43
Mean 0.006245
Std Dev 1.152
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

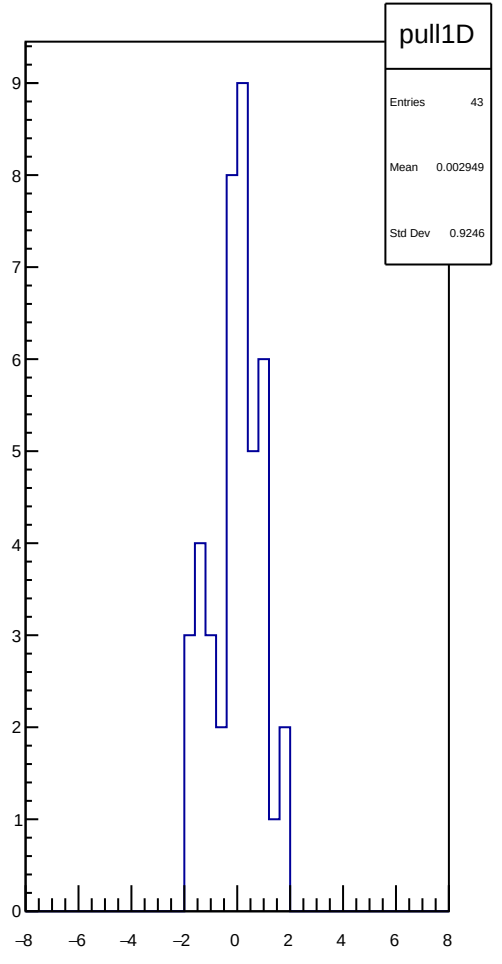

eigen_dit_asym_usr_rms vs run
χ² / ndf 136.9 / 42
p0 1131 ± 1.243
1180
1160
1140
1120
1100
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

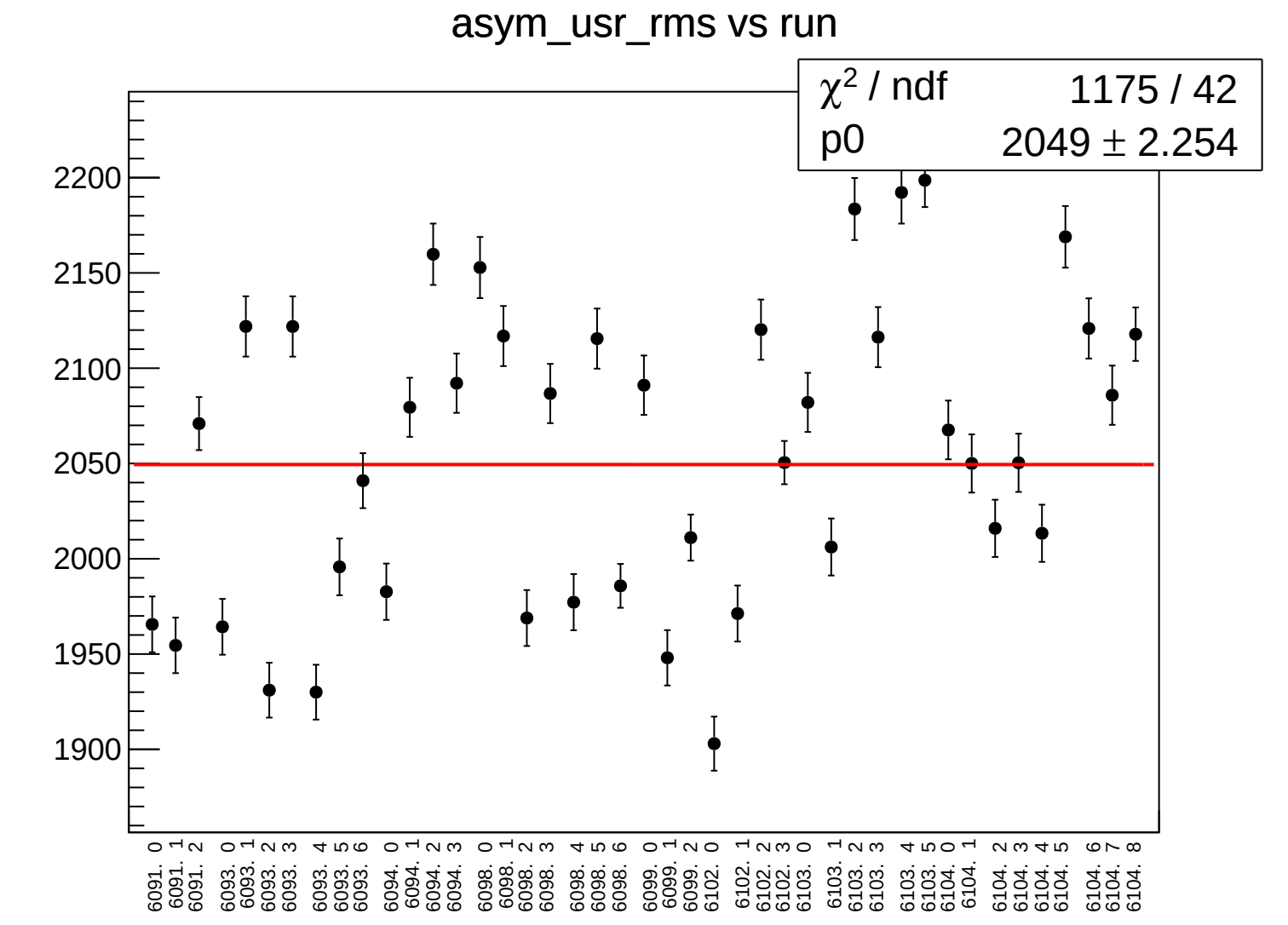

asym_usr_eigen_dit_correction_mean vs run
χ² / ndf 36.24 / 42
p0 771.6 ± 2768
60000
40000
20000
0
−20000
−40000
−60000
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 15.05
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

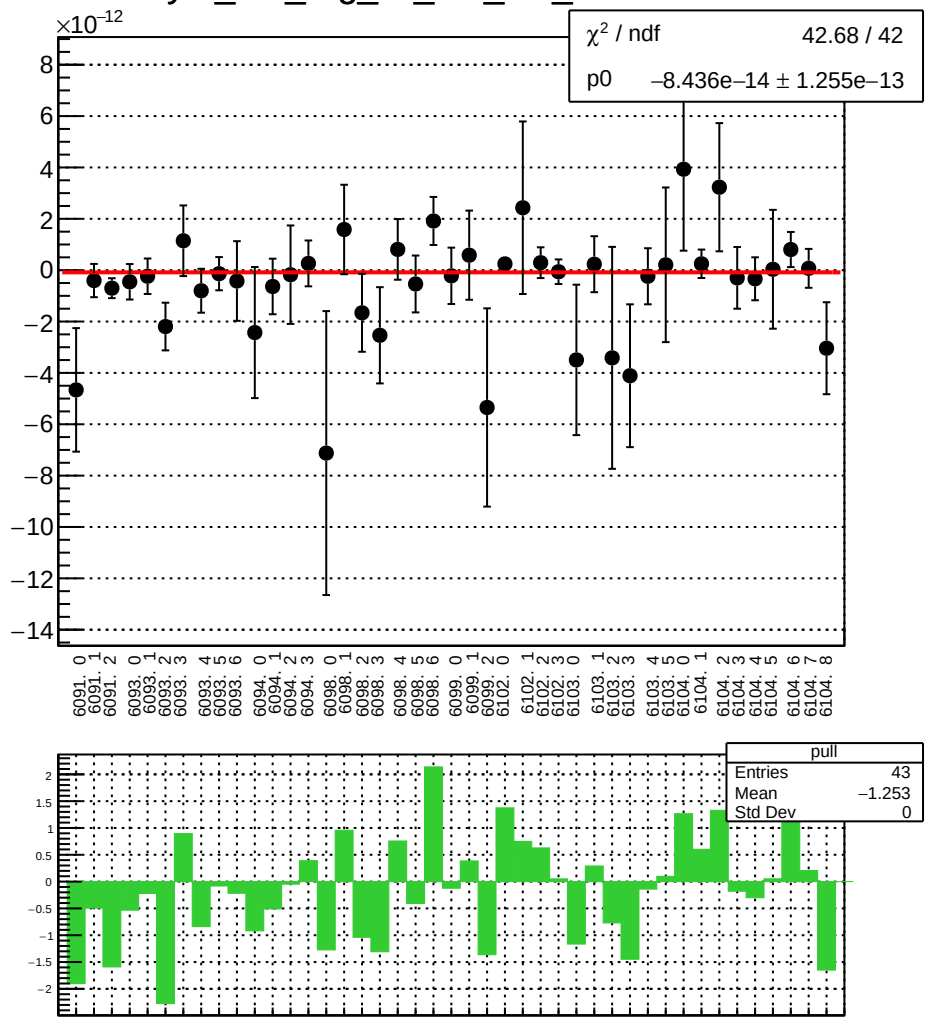

pull1D
Entries 43
Mean 0.006921
Std Dev 0.918
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

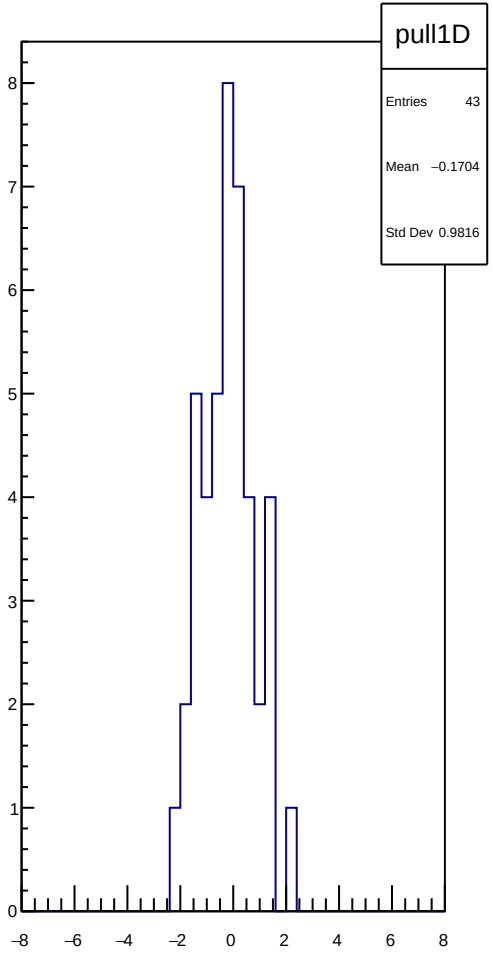

asym_usr_eigen_dit_correction_rms vs run
χ² / ndf 3727 / 42
p0 1777 ± 1.958
2000
1900
1800
1700
1600
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

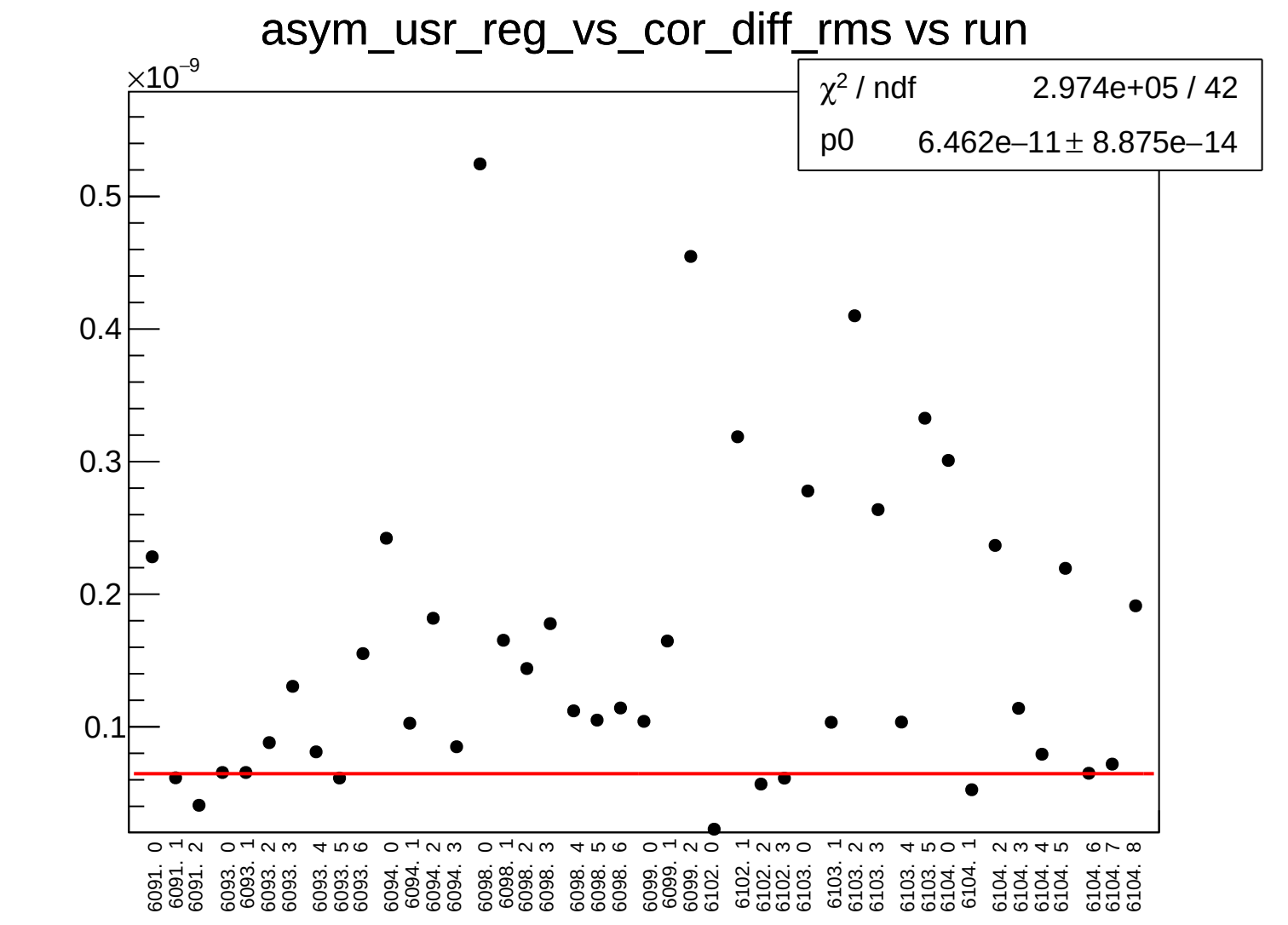

asym_usr_mean vs run
χ² / ndf 36.76 / 42
p0 2353 ± 3188
60000
40000
20000
0
−20000
−40000
−60000
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 118.3
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

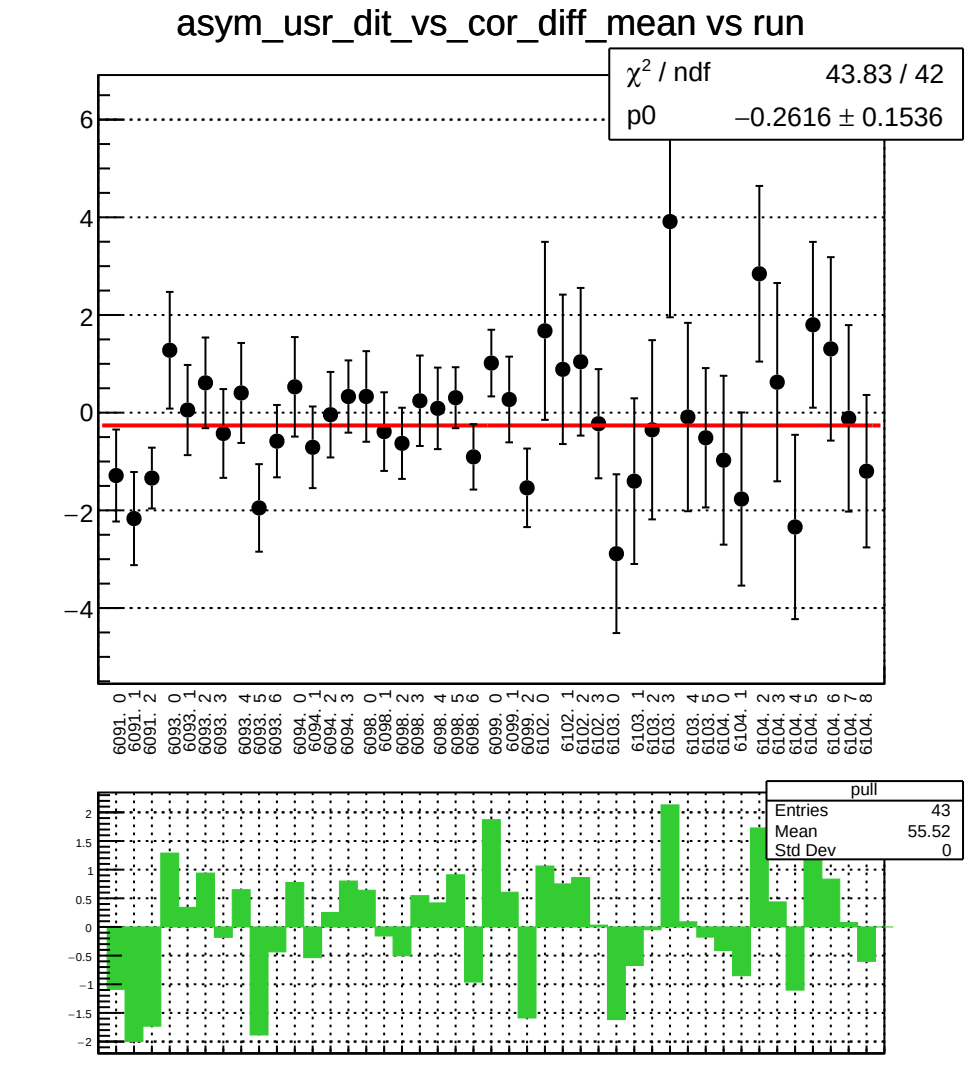

pull1D
Entries 43
Mean 0.002949
Std Dev 0.9246
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

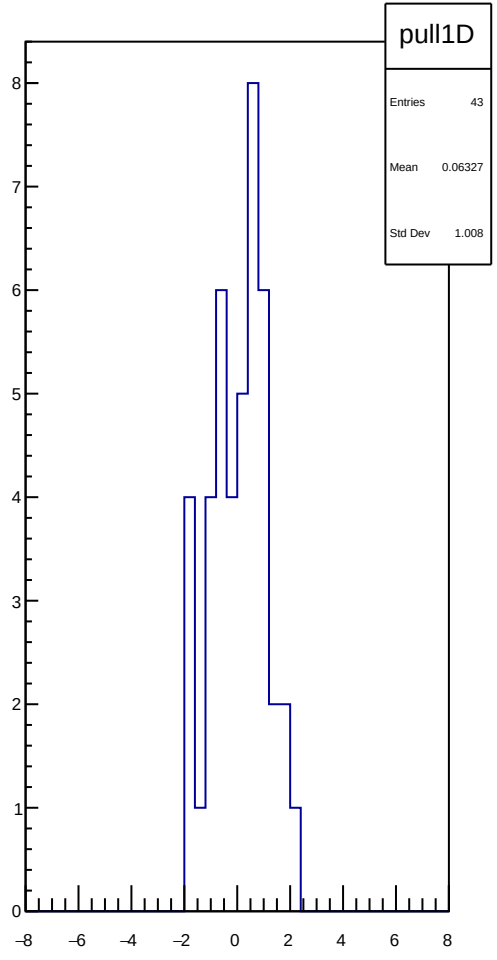

asym_usr_rms vs run
χ² / ndf 1175 / 42
p0 2049 ± 2.254
2200
2150
2100
2050
2000
1950
1900
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

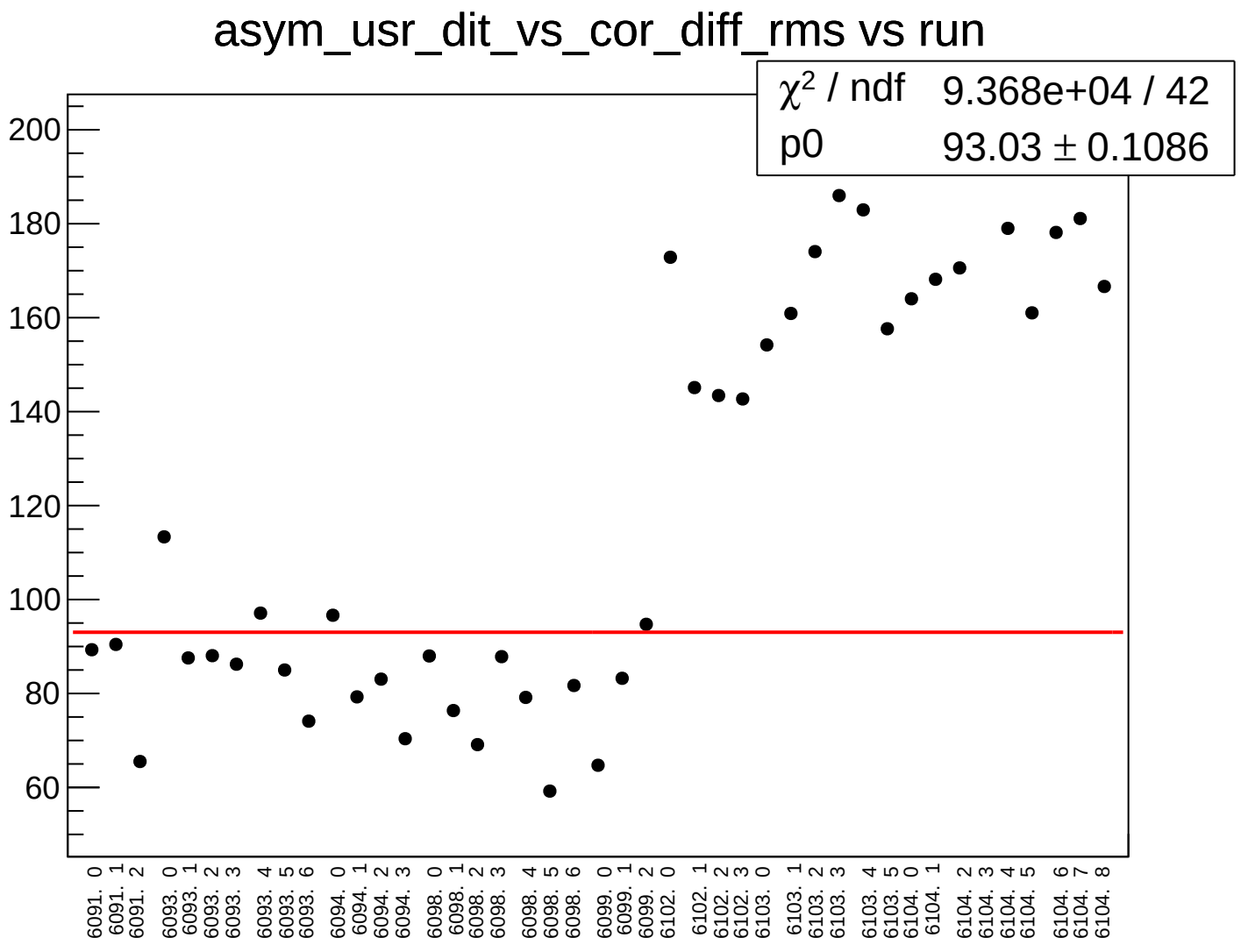

asym_usr_reg_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 42.68 / 42
p0 −8.436e−14 ± 1.255e−13
pull
Entries 43
Mean −1.253
Std Dev 0

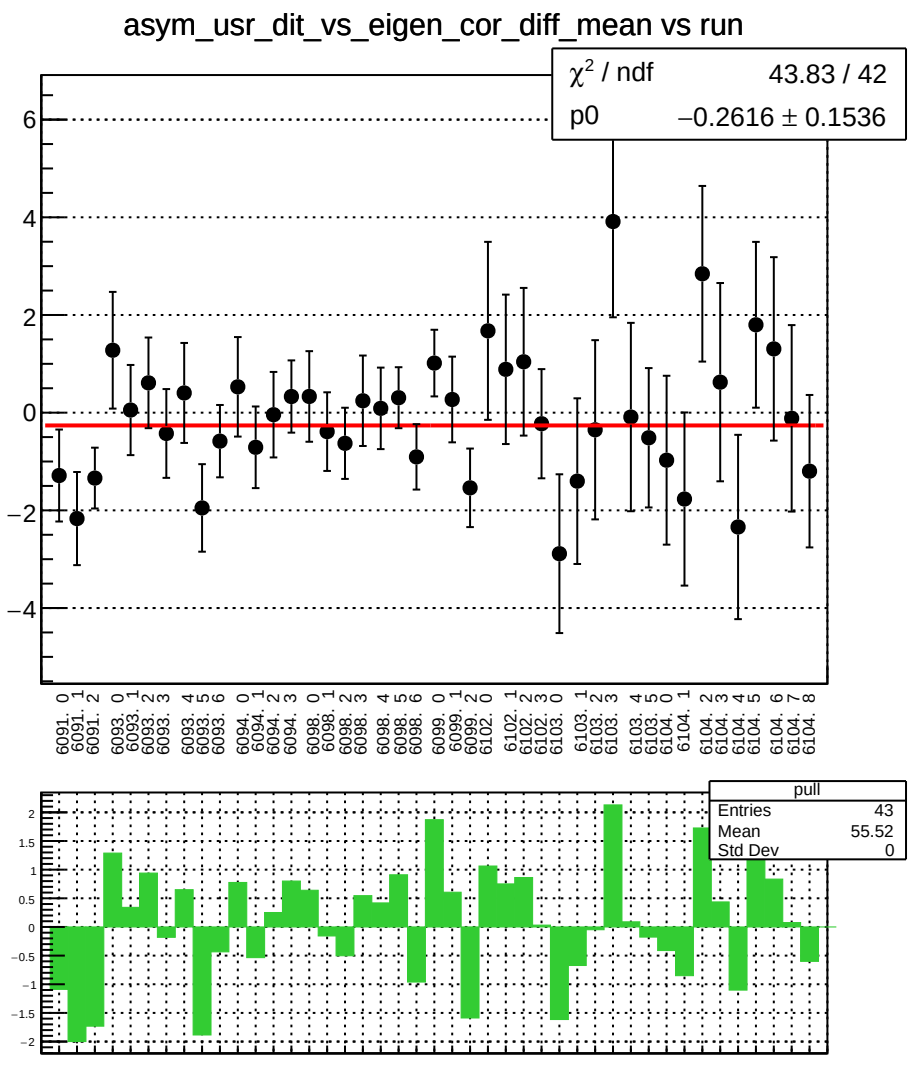

pull1D
Entries 43
Mean −0.1704
Std Dev 0.9816

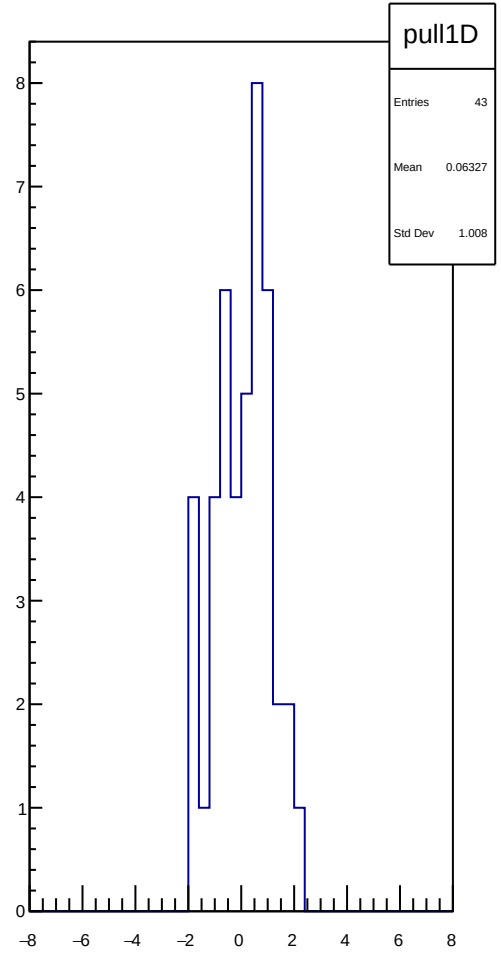

asym_usr_reg_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 2.974e+05 / 42
p0 6.462e−11 ± 8.875e−14
0.5
0.4
0.3
0.2
0.1
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

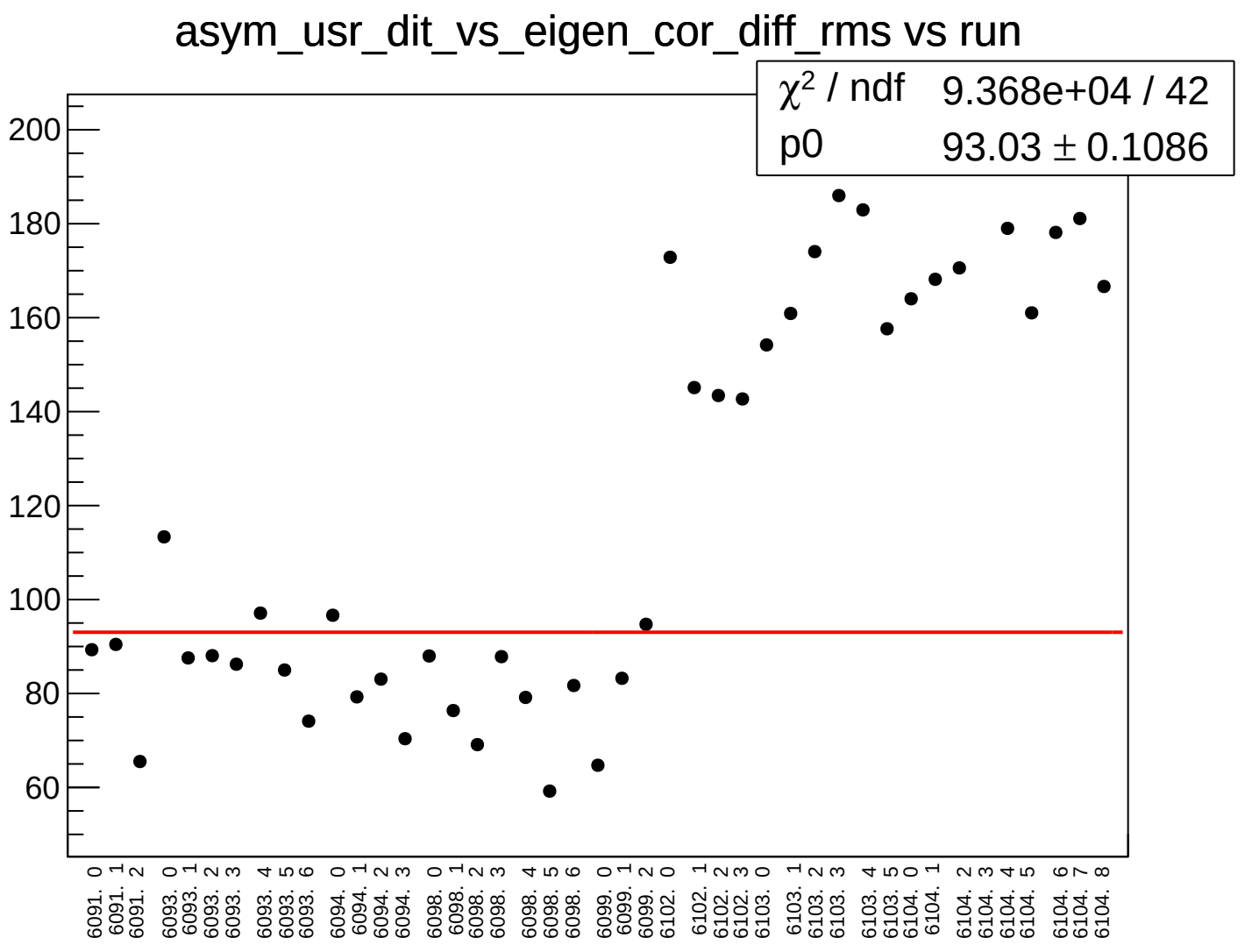

asym_usr_dit_vs_cor_diff_mean vs run
χ² / ndf 43.83 / 42
p0 −0.2616 ± 0.1536
pull
Entries 43
Mean 55.52
Std Dev 0

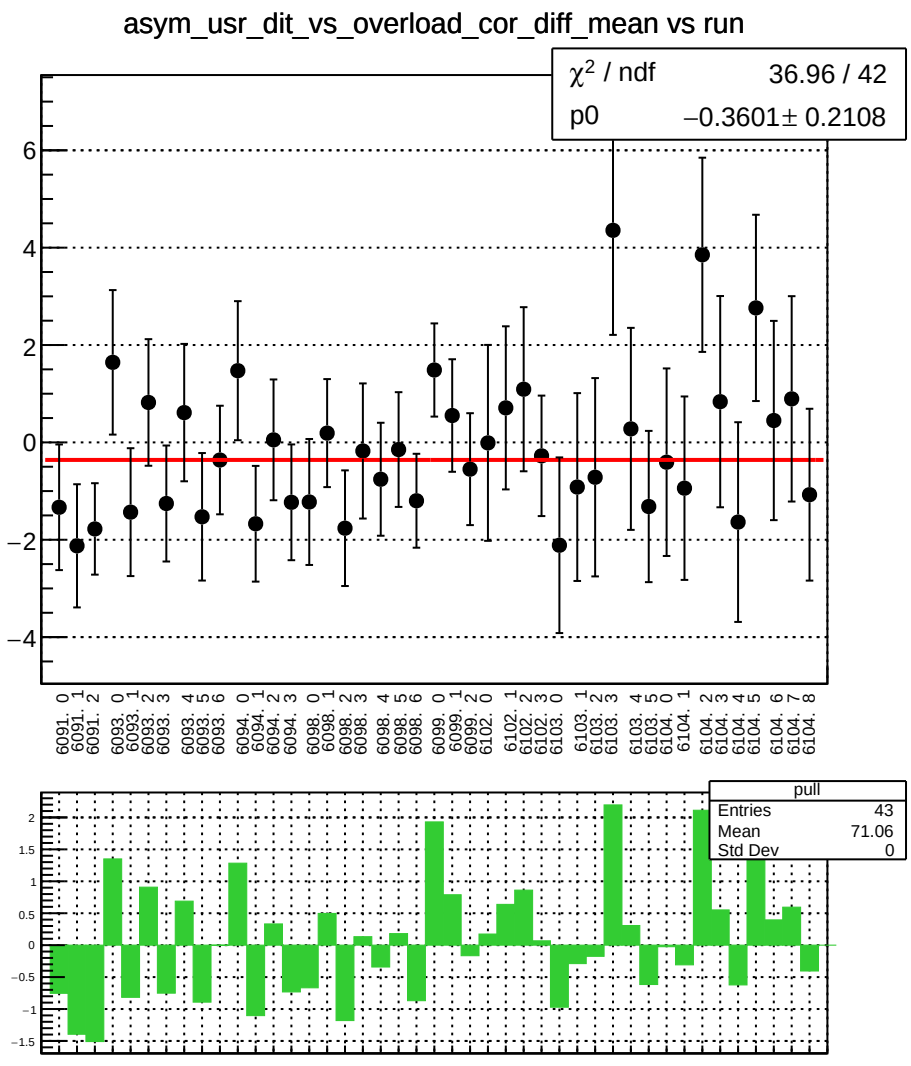

pull1D
Entries 43
Mean 0.06327
Std Dev 1.008

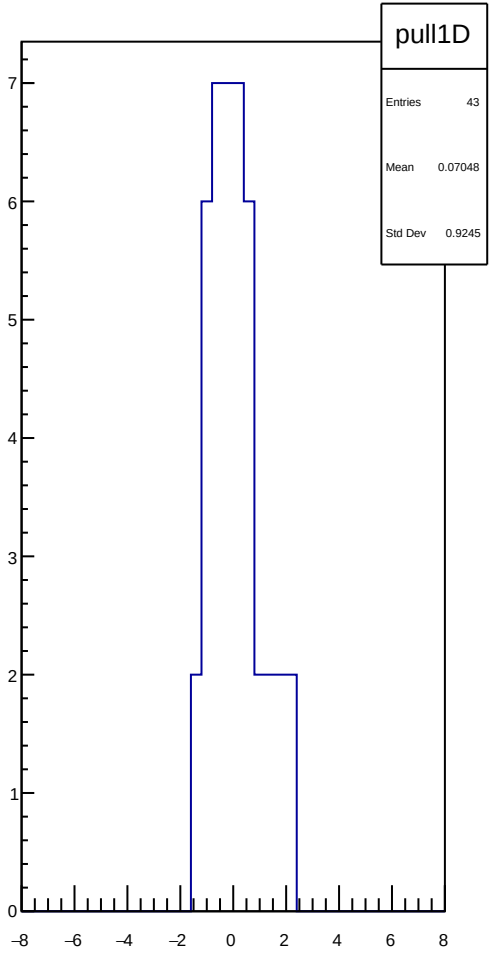

asym_usr_dit_vs_cor_diff_rms vs run
χ² / ndf 9.368e+04 / 42
p0 93.03 ± 0.1086
200
180
160
140
120
100
80
60
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

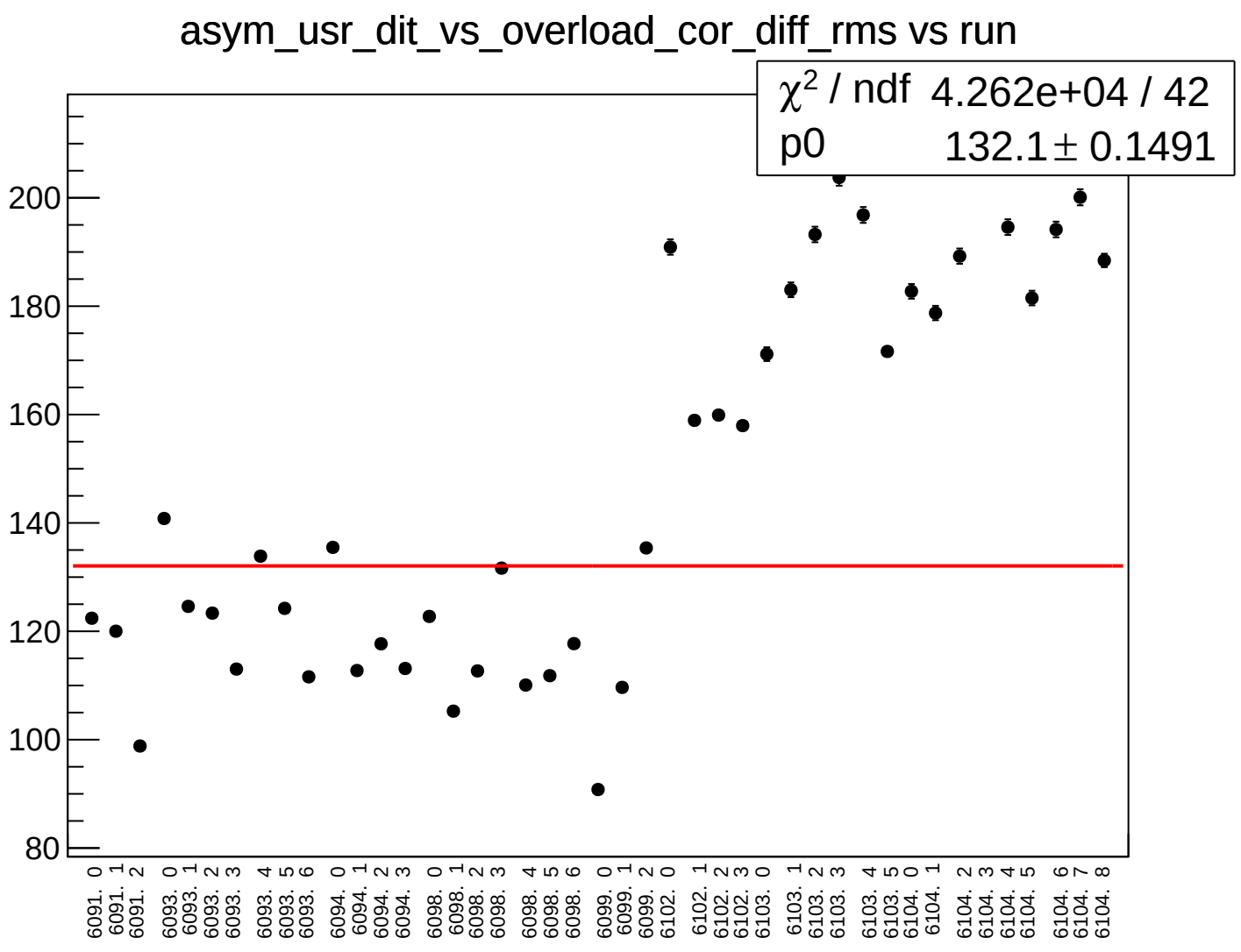

asym_usr_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 43.83 / 42
p0 −0.2616 ± 0.1536
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 55.52
Std Dev 0

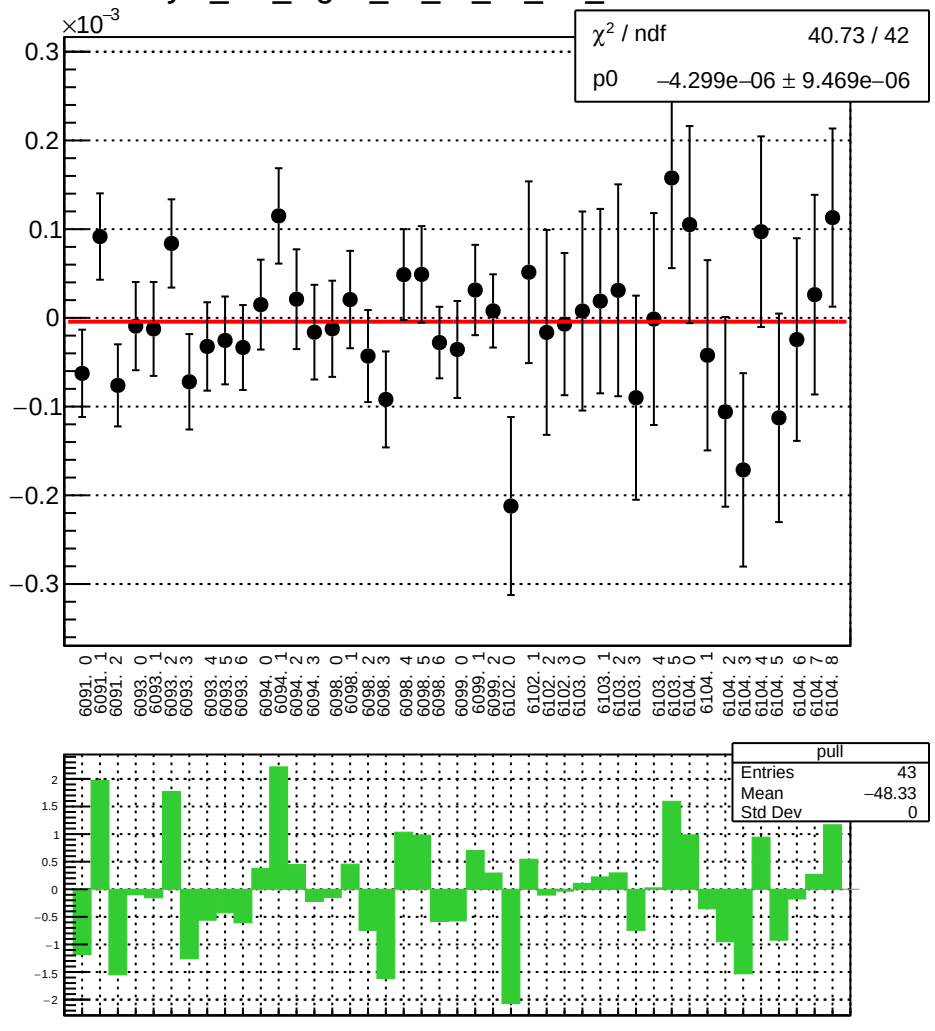

pull1D
Entries 43
Mean 0.06327
Std Dev 1.008

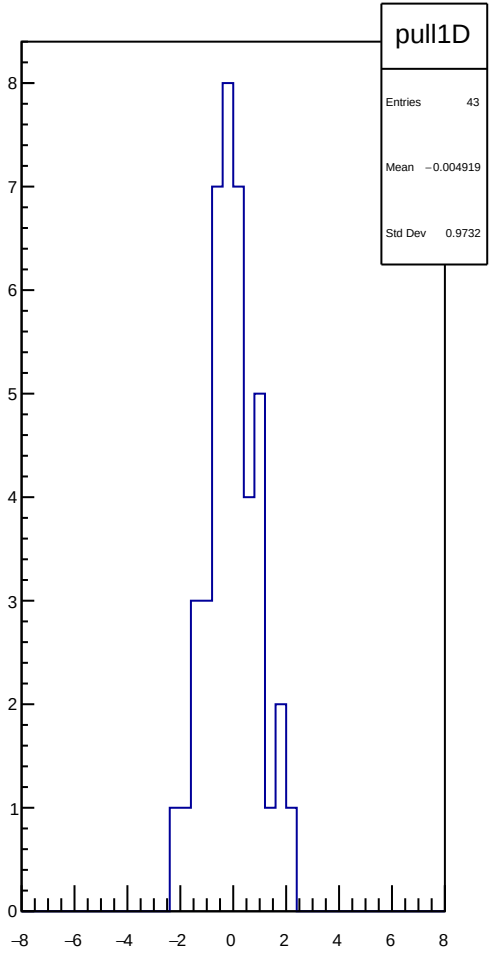

asym_usr_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 9.368e+04 / 42
p0 93.03 ± 0.1086
200
180
160
140
120
100
80
60
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

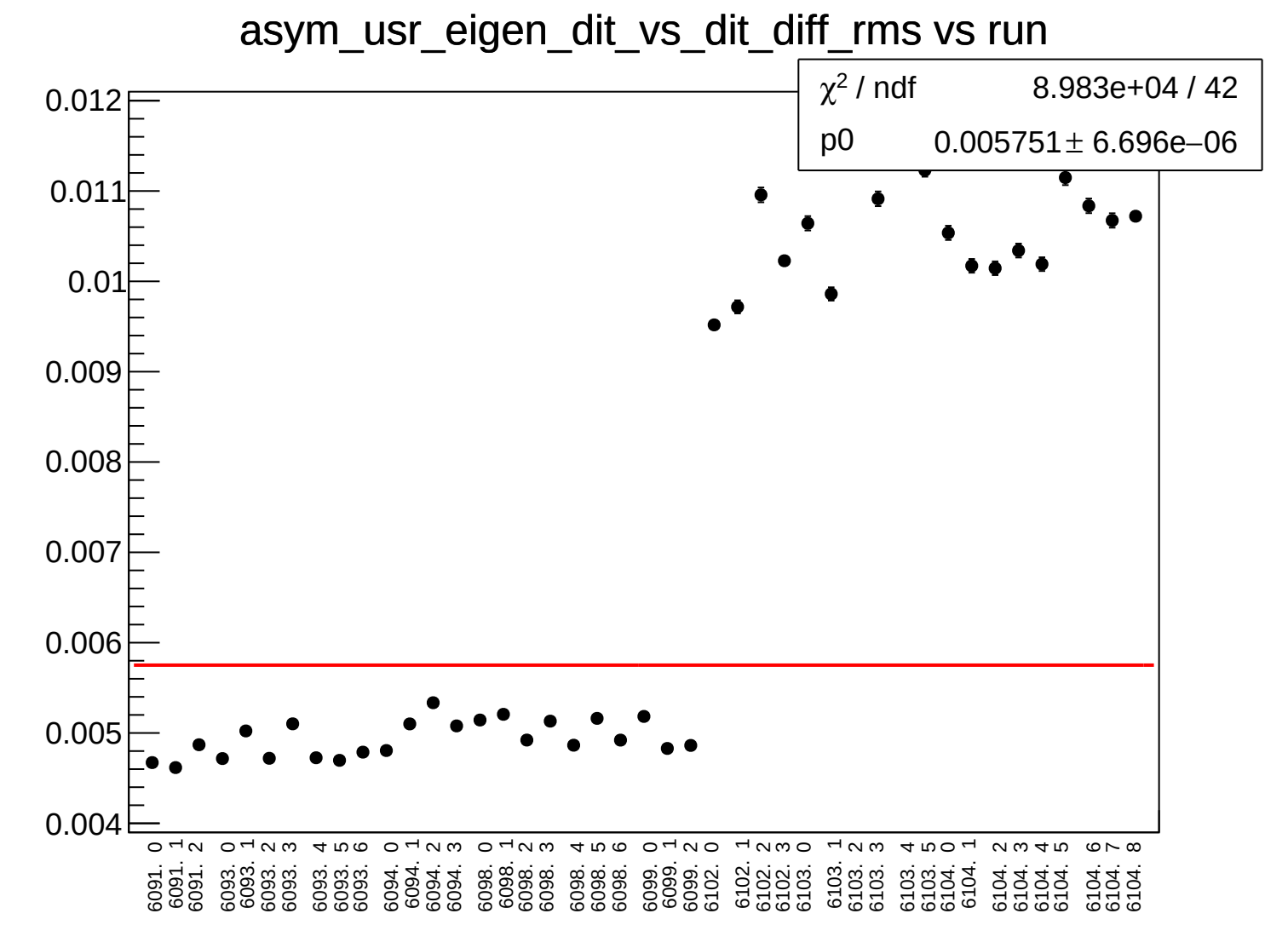

asym_usr_dit_vs_overload_cor_diff_mean vs run
χ² / ndf 36.96 / 42
p0 −0.3601± 0.2108
6
4
2
0
−2
−4
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 71.06
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5

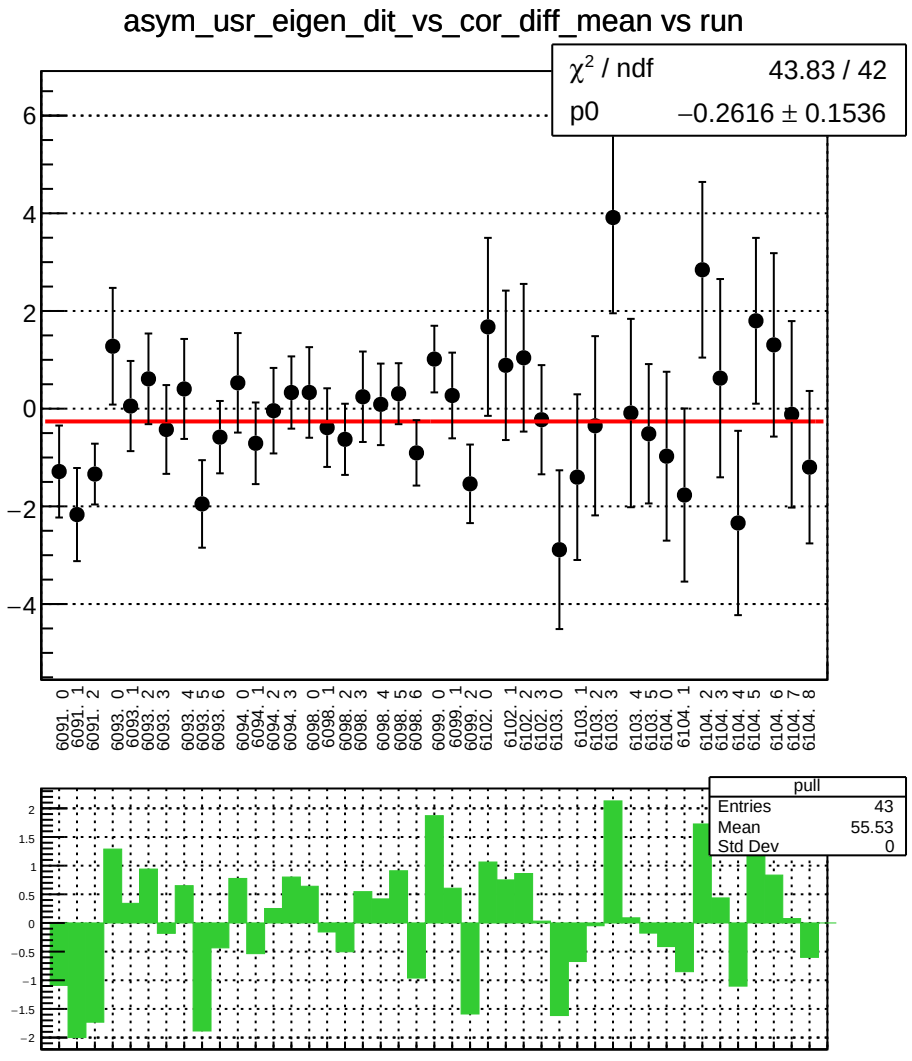

pull1D
Entries 43
Mean 0.07048
Std Dev 0.9245
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

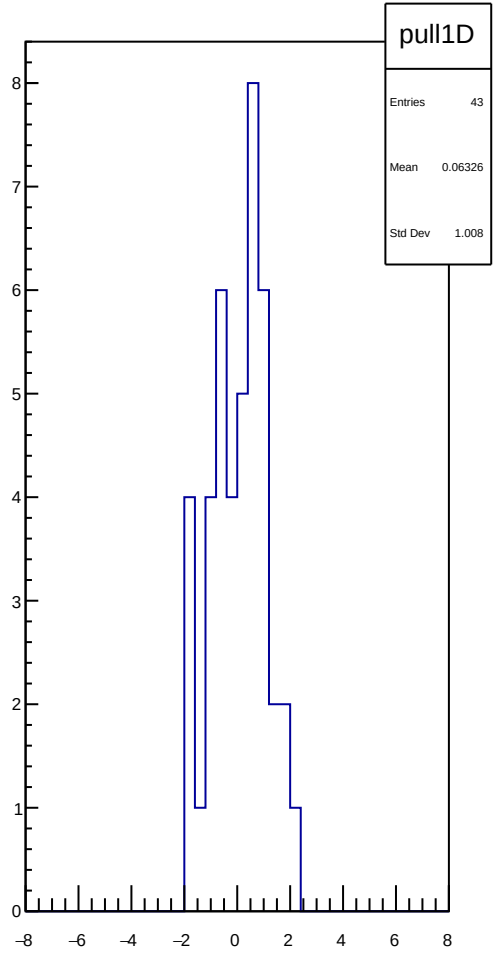

asym_usr_dit_vs_overload_cor_diff_rms vs run
χ² / ndf 4.262e+04 / 42
p0 132.1 ± 0.1491
200
180
160
140
120
100
80
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

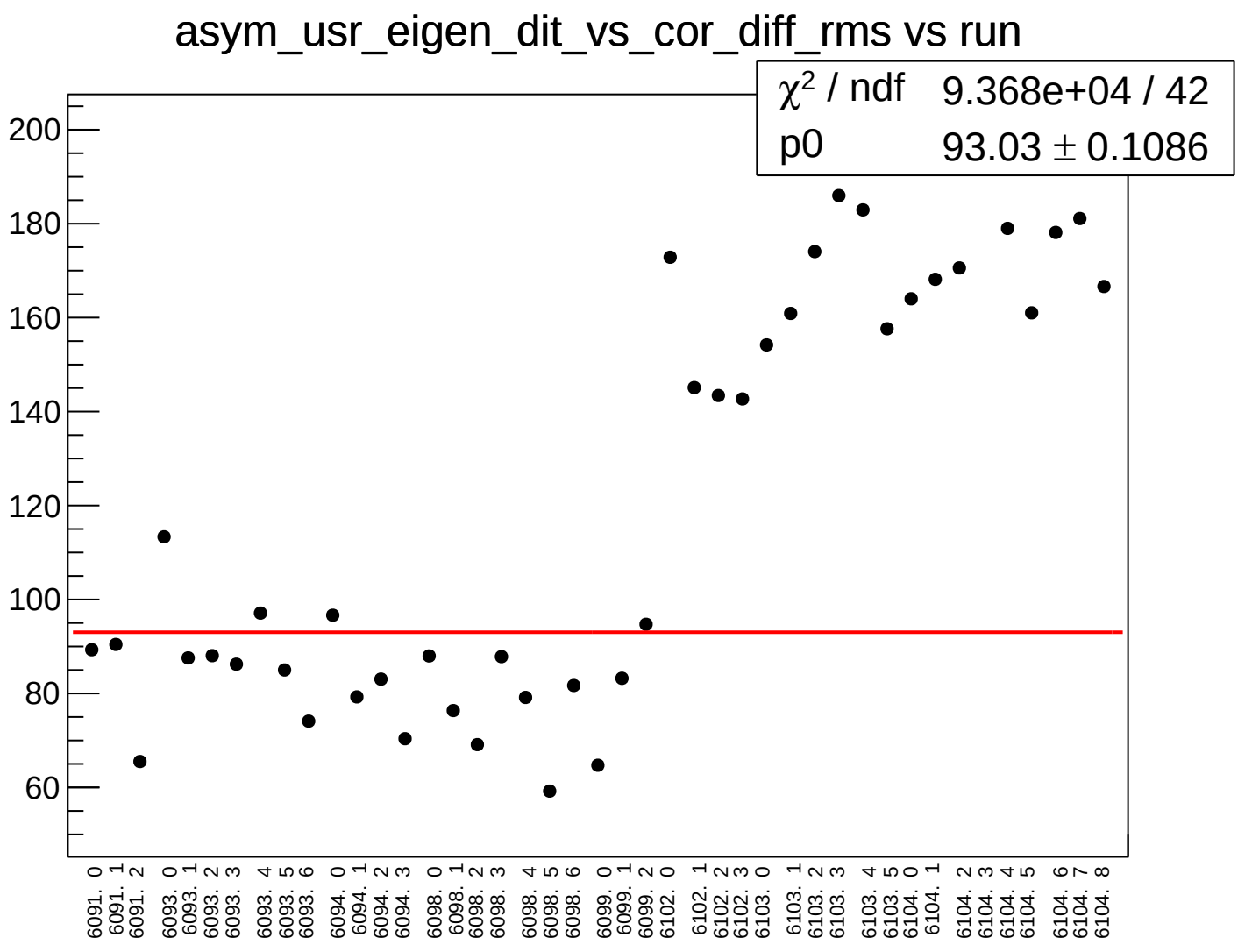

asym_usr_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 40.73 / 42
p0 −4.299e−06 ± 9.469e−06
0.3
0.2
0.1
0
−0.1
−0.2
−0.3
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean −48.33
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

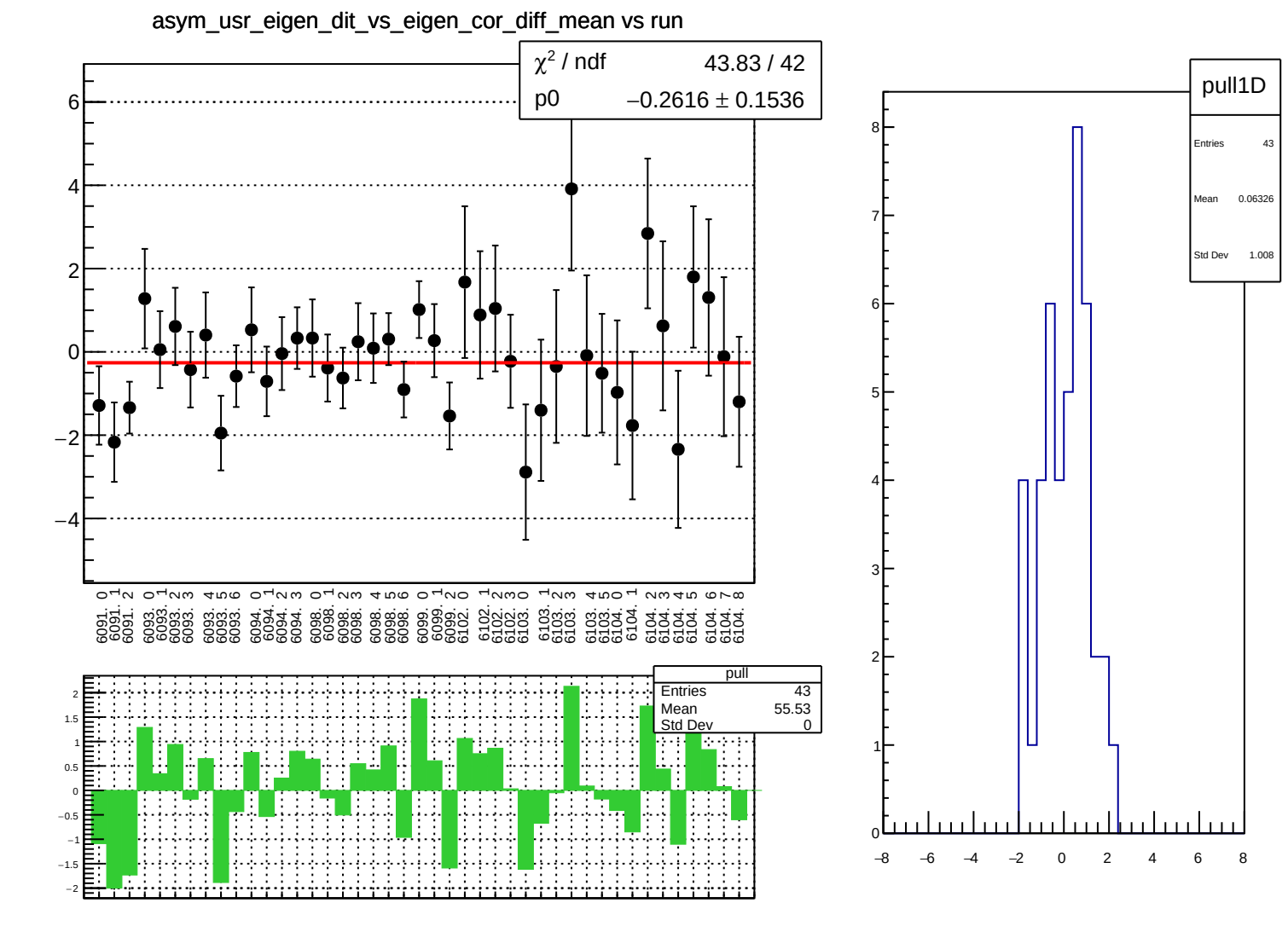

pull1D
Entries 43
Mean −0.004919
Std Dev 0.9732
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

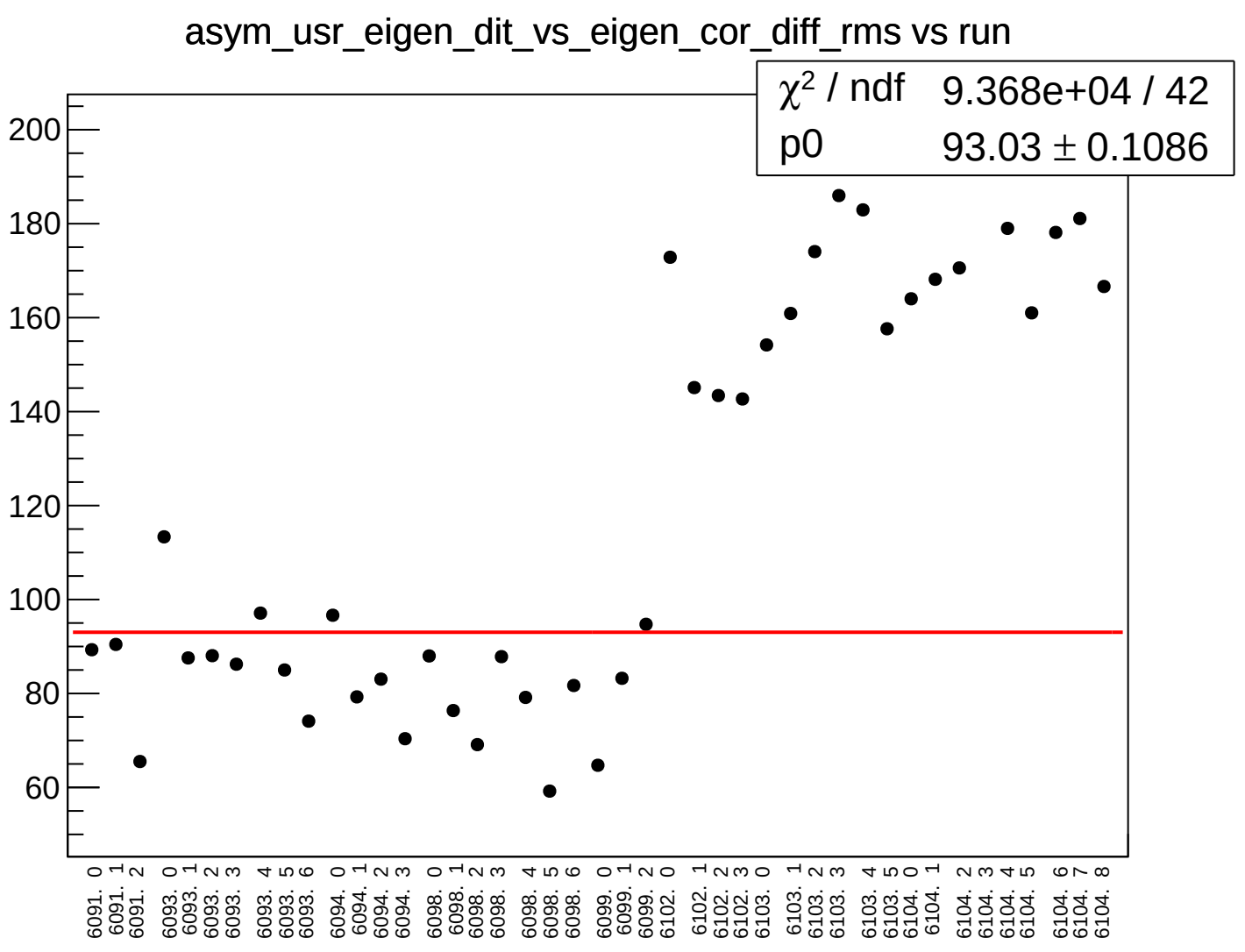

asym_usr_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 8.983e+04 / 42
p0 0.005751 ± 6.696e−06
0.012
0.011
0.01
0.009
0.008
0.007
0.006
0.005
0.004
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

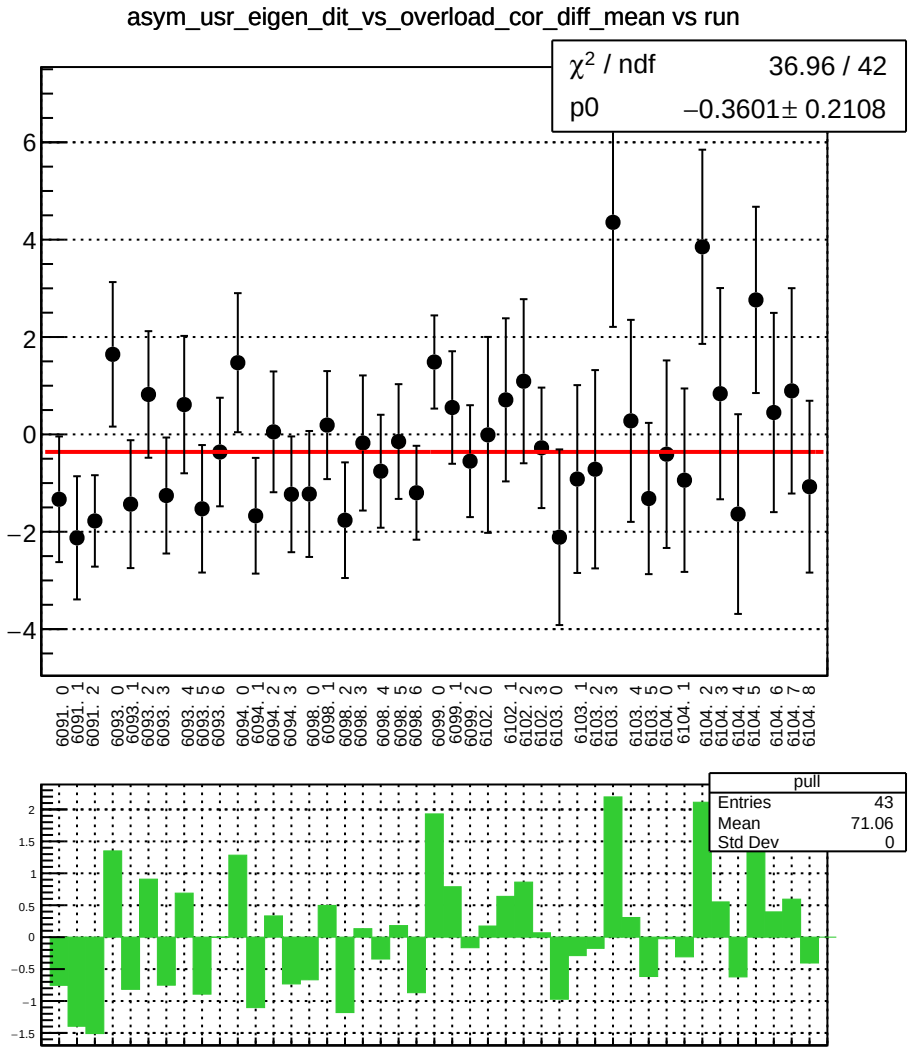

asym_usr_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 43.83 / 42
p0 −0.2616 ± 0.1536
pull
Entries 43
Mean 55.53
Std Dev 0
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

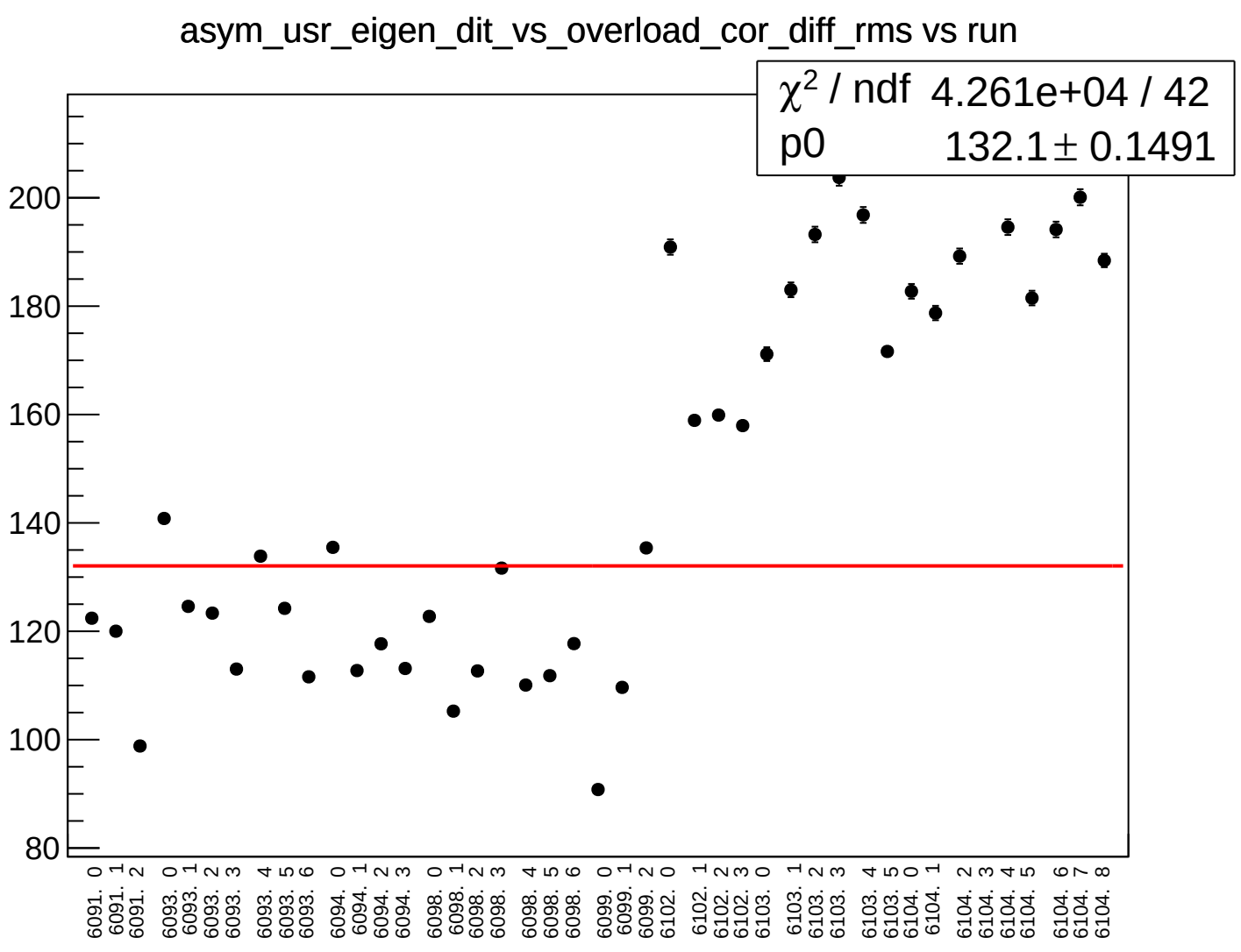

pull1D
Entries 43
Mean 0.06326
Std Dev 1.008

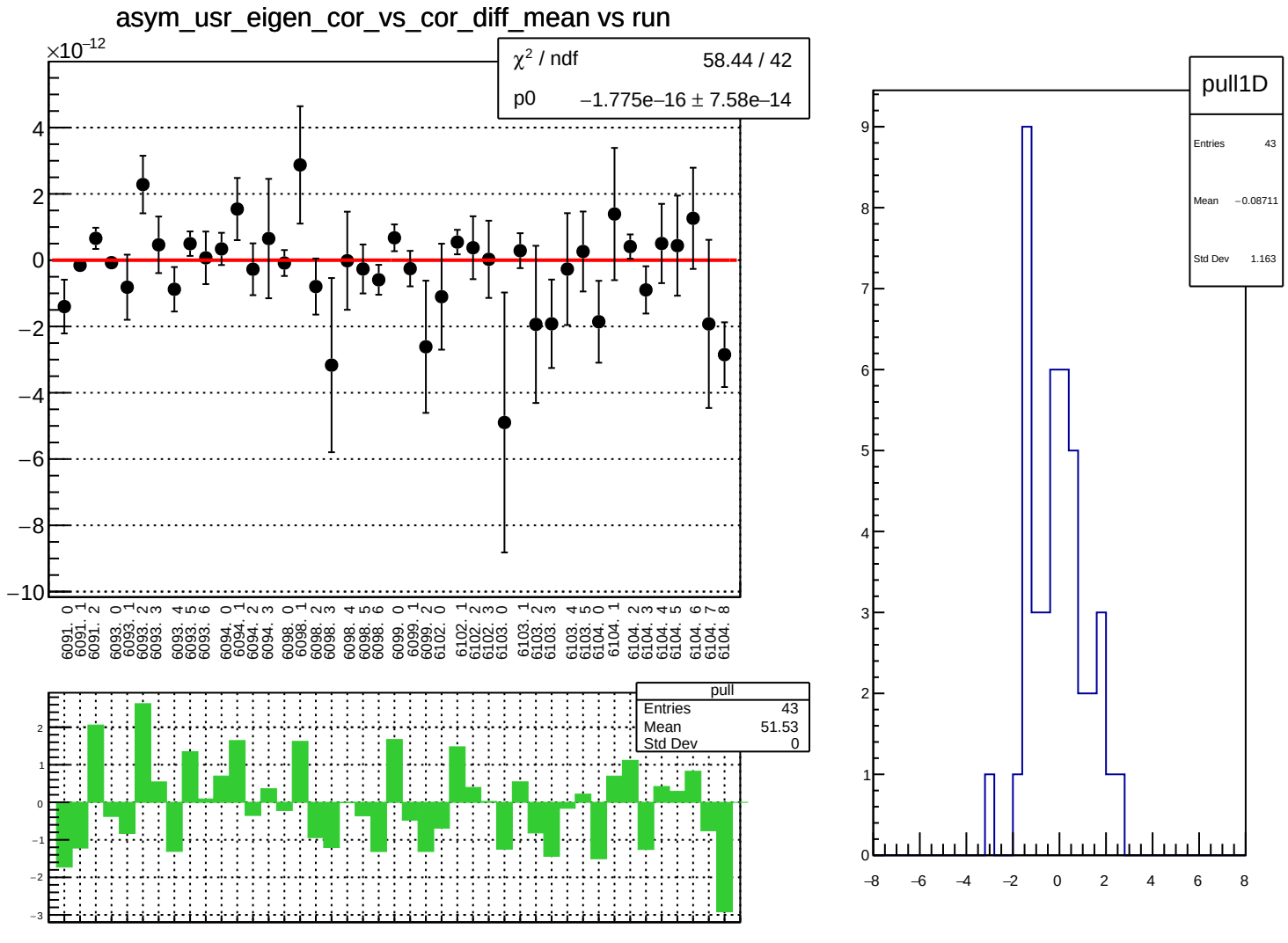

asym_usr_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 9.368e+04 / 42
p0 93.03 ± 0.1086
200
180
160
140
120
100
80
60
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

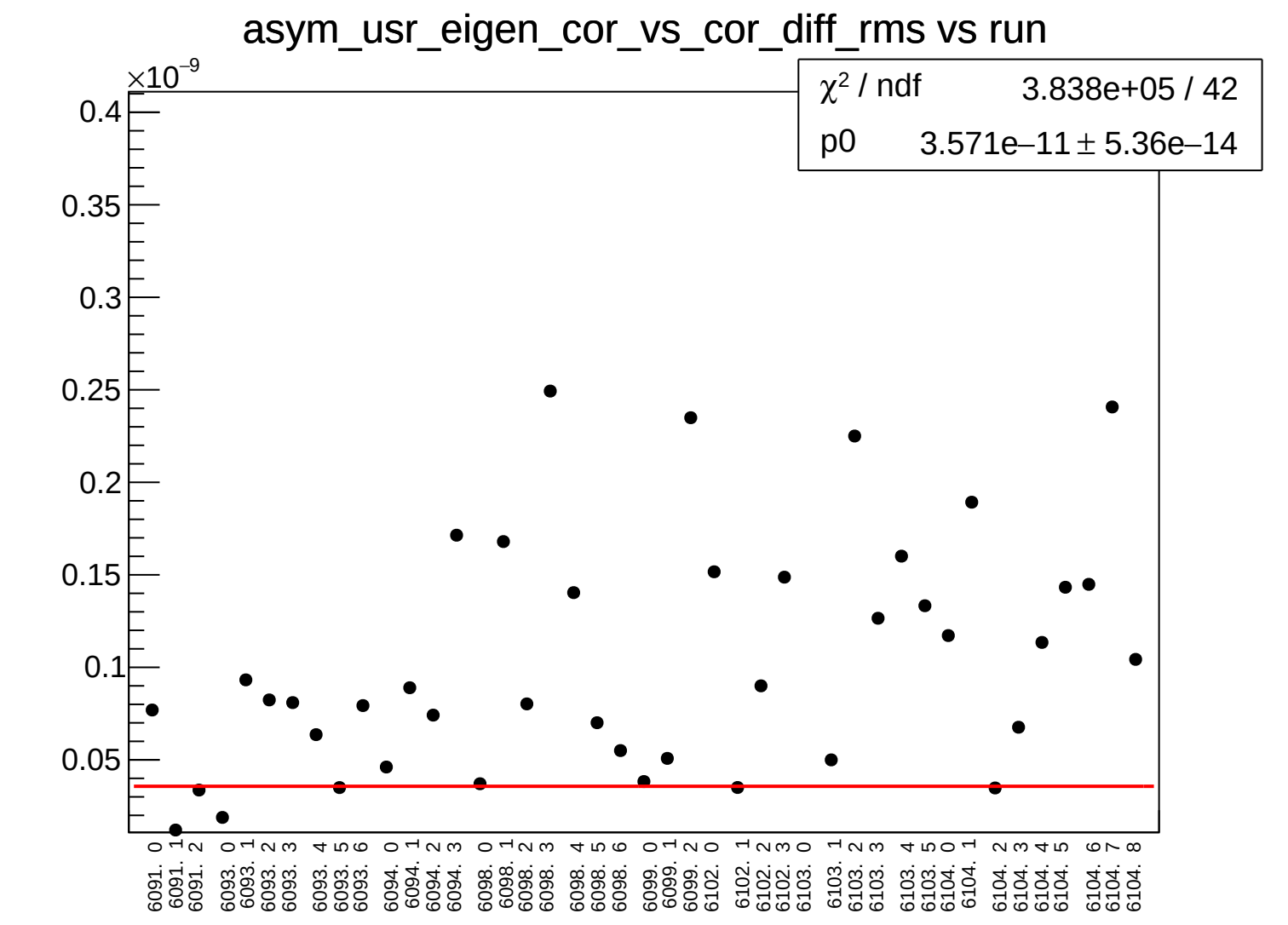

asym_usr_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 43.83 / 42
p0 −0.2616 ± 0.1536
6
4
2
0
−2
−4
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 55.53
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 43
Mean 0.06326
Std Dev 1.008
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


asym_usr_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 9.368e+04 / 42
p0 93.03 ± 0.1086
200
180
160
140
120
100
80
60
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

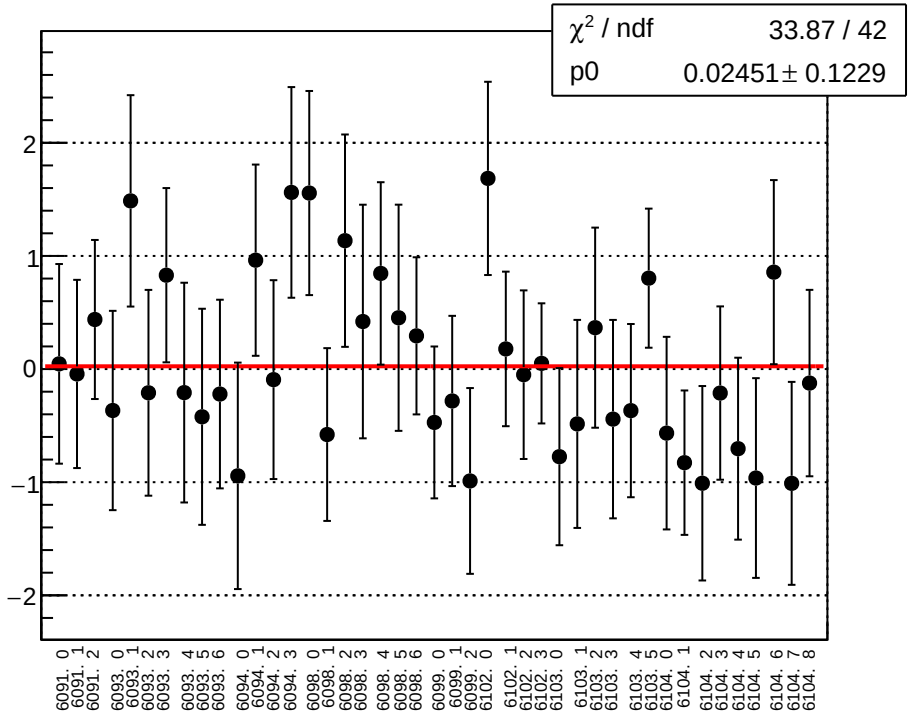

asym_usr_eigen_dit_vs_overload_cor_diff_mean vs run
χ² / ndf 36.96 / 42
p0 −0.3601± 0.2108
pull
Entries 43
Mean 71.06
Std Dev 0
pull1D
Entries 43
Mean 0.07048
Std Dev 0.9245

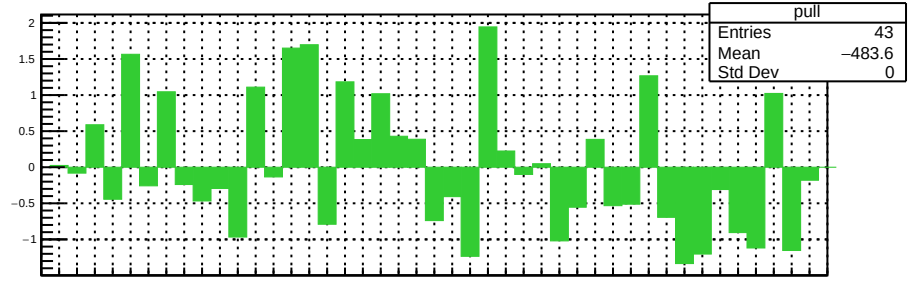

asym_usr_eigen_dit_vs_overload_cor_diff_rms vs run
χ² / ndf 4.261e+04 / 42
p0 132.1 ± 0.1491
200
180
160
140
120
100
80
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

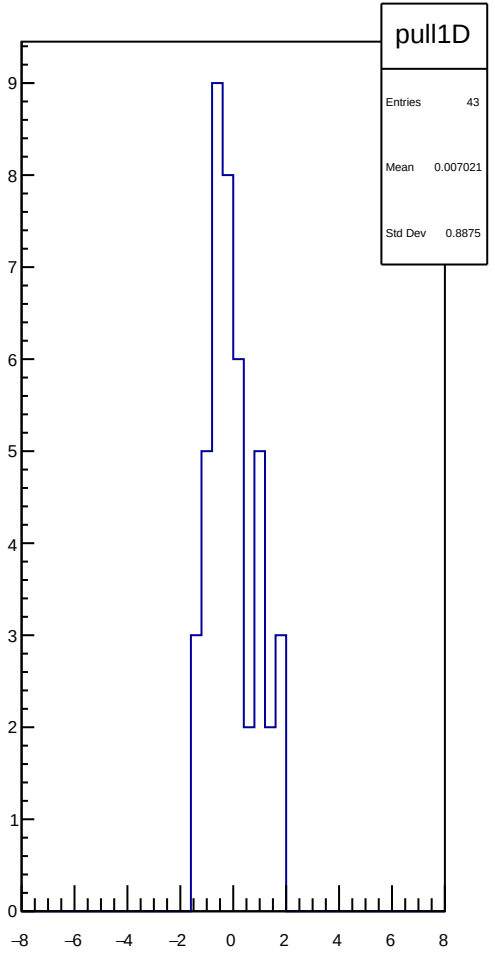

asym_usr_eigen_cor_vs_cor_diff_mean vs run
×10−12
χ2 / ndf 58.44 / 42
p0 −1.775e−16 ± 7.58e−14
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 51.53
Std Dev 0
pull1D
Entries 43
Mean −0.08711
Std Dev 1.163

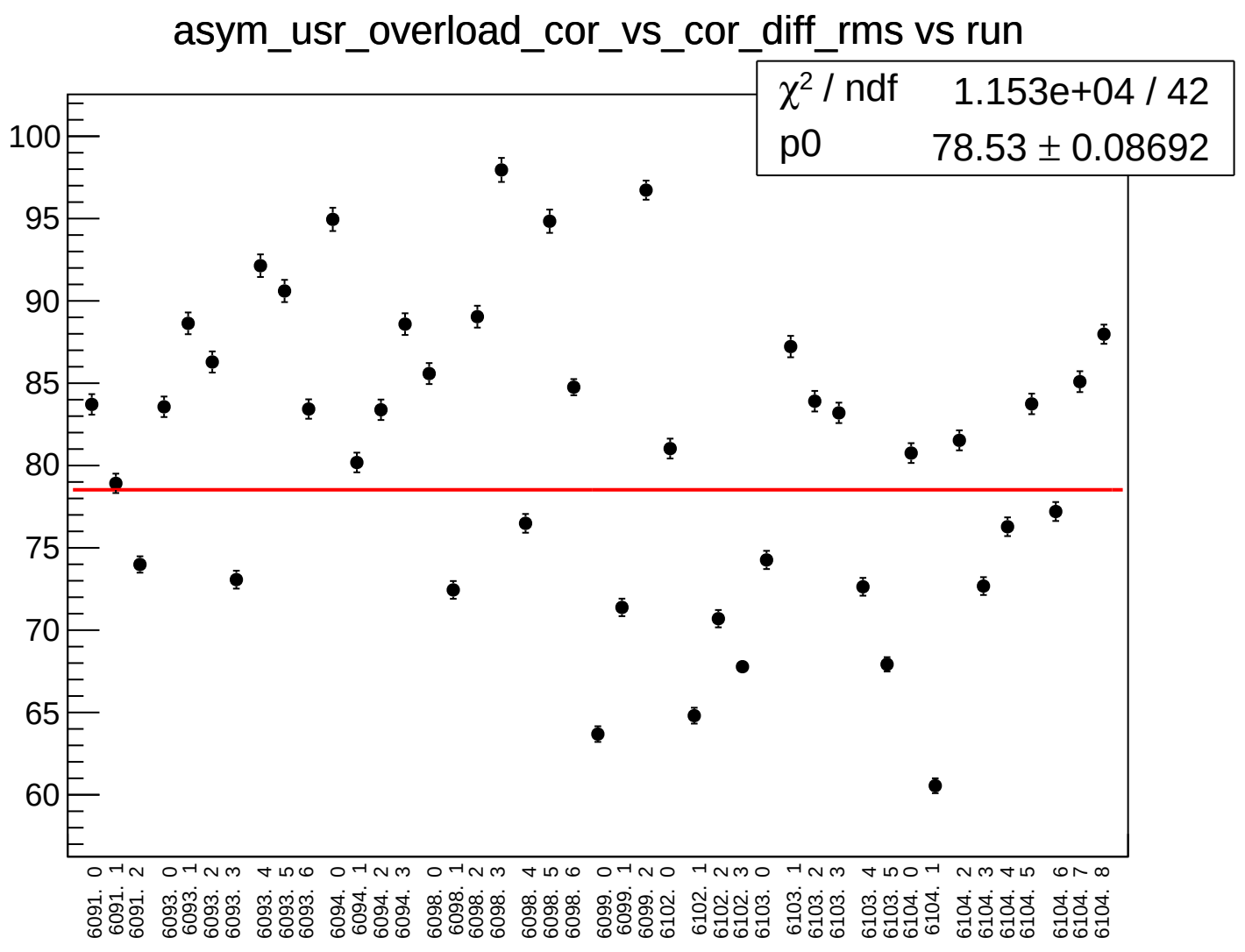

asym_usr_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 3.838e+05 / 42
p0 3.571e−11 ± 5.36e−14
0.4
0.35
0.3
0.25
0.2
0.15
0.1
0.05
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

asym_usr_overload_cor_vs_cor_diff_mean vs run

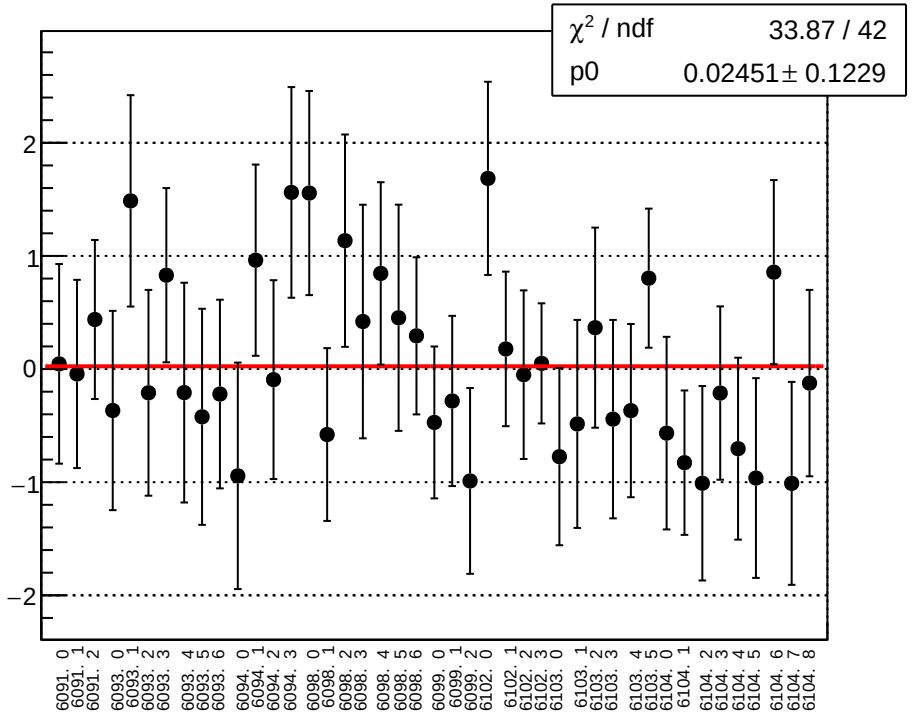


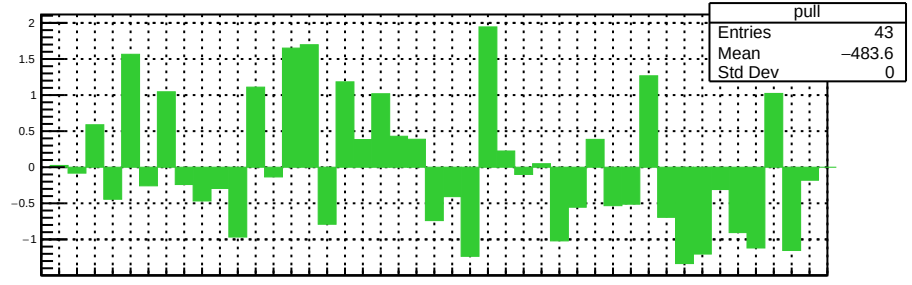


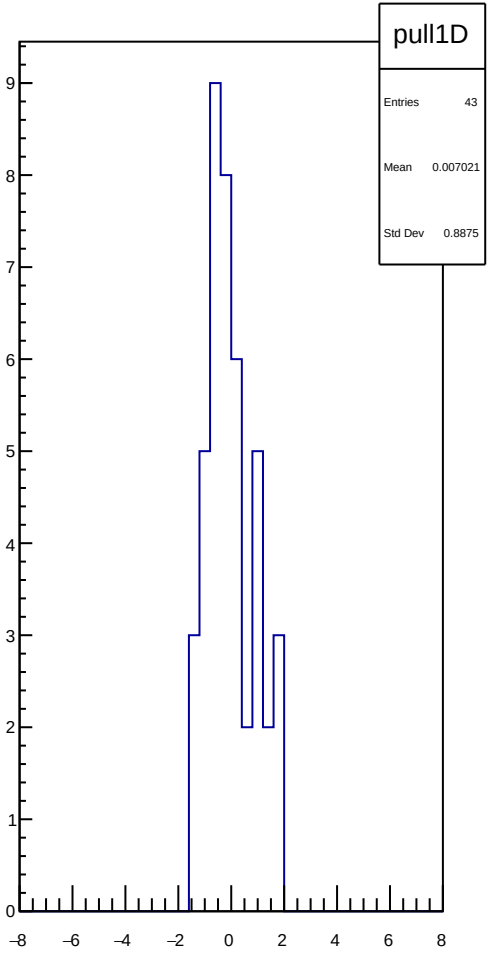


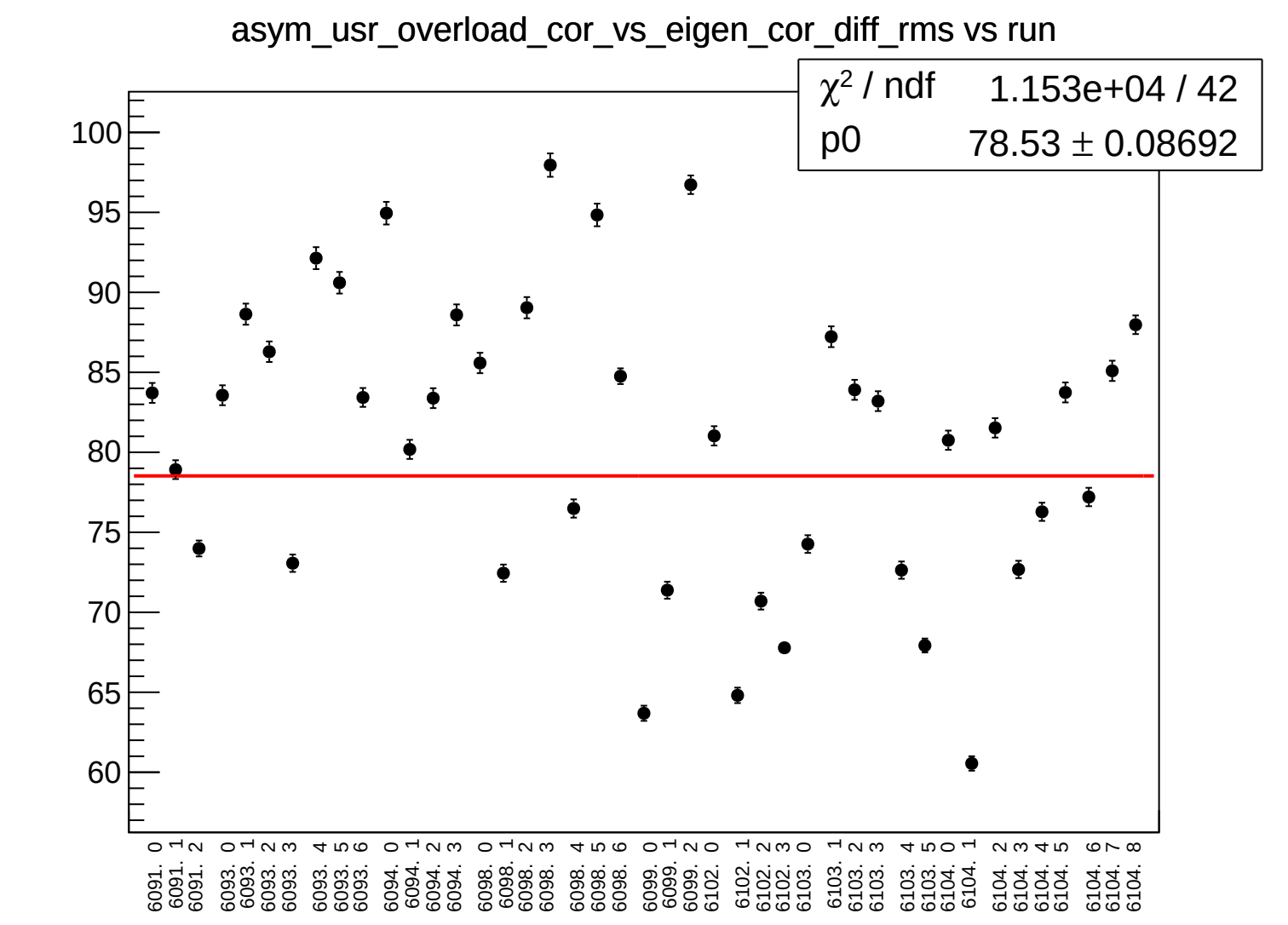

asym_usr_overload_cor_vs_cor_diff_rms vs run
χ² / ndf 1.153e+04 / 42
p0 78.53 ± 0.08692
100
95
90
85
80
75
70
65
60
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

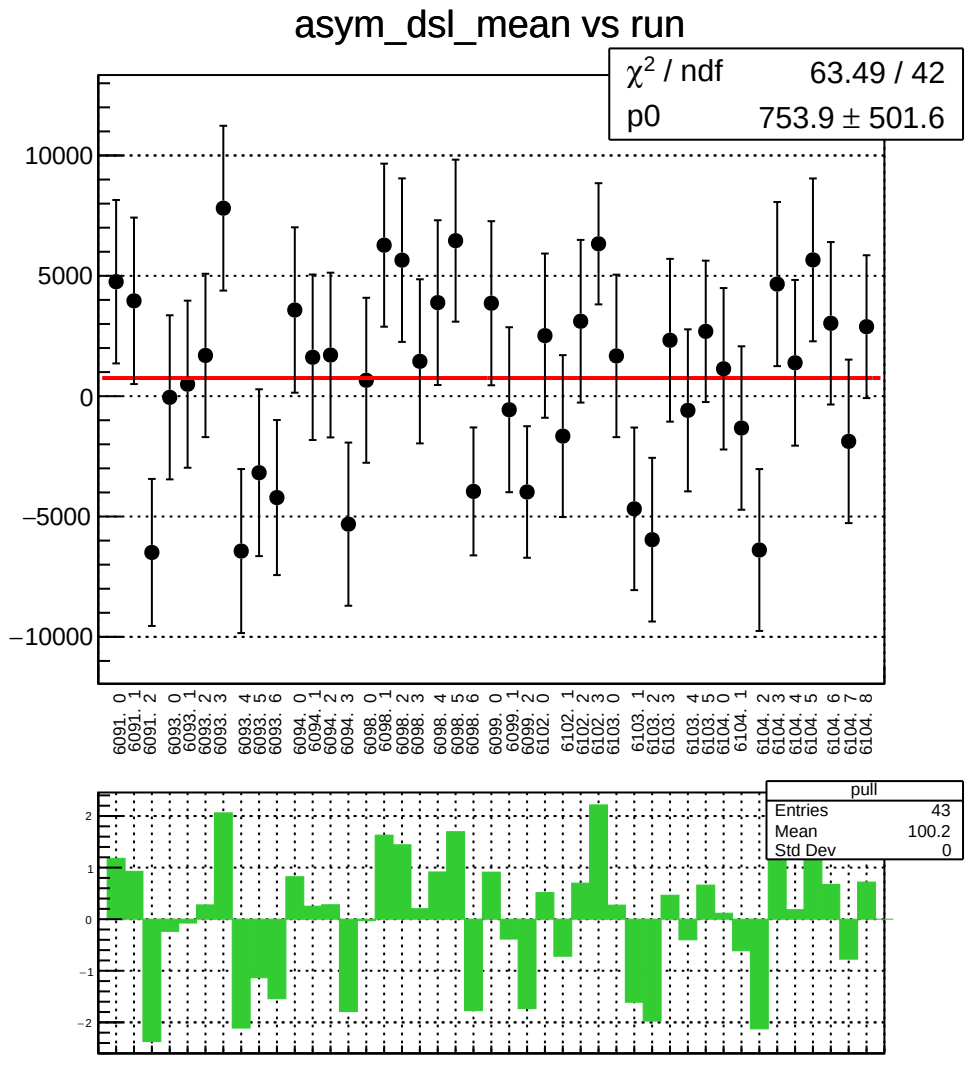
asym_usr_overload_cor_vs_eigen_cor_diff_mean vs run

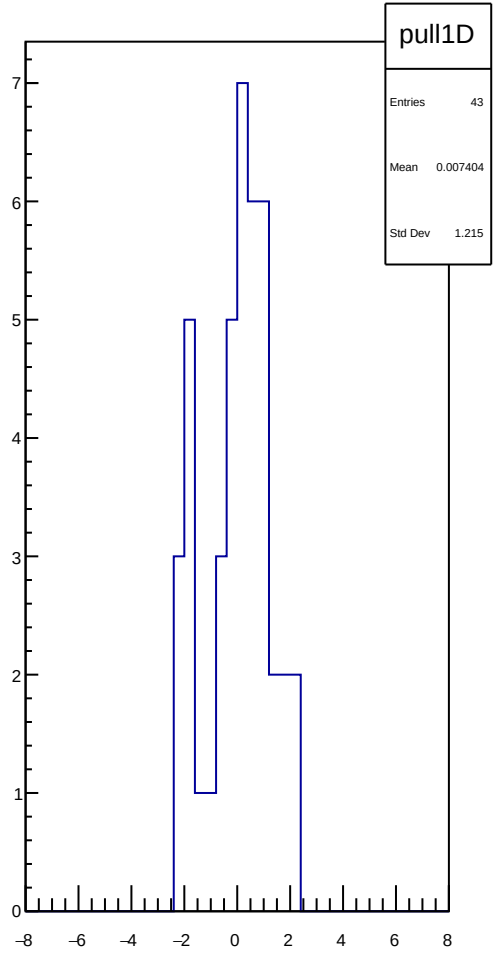


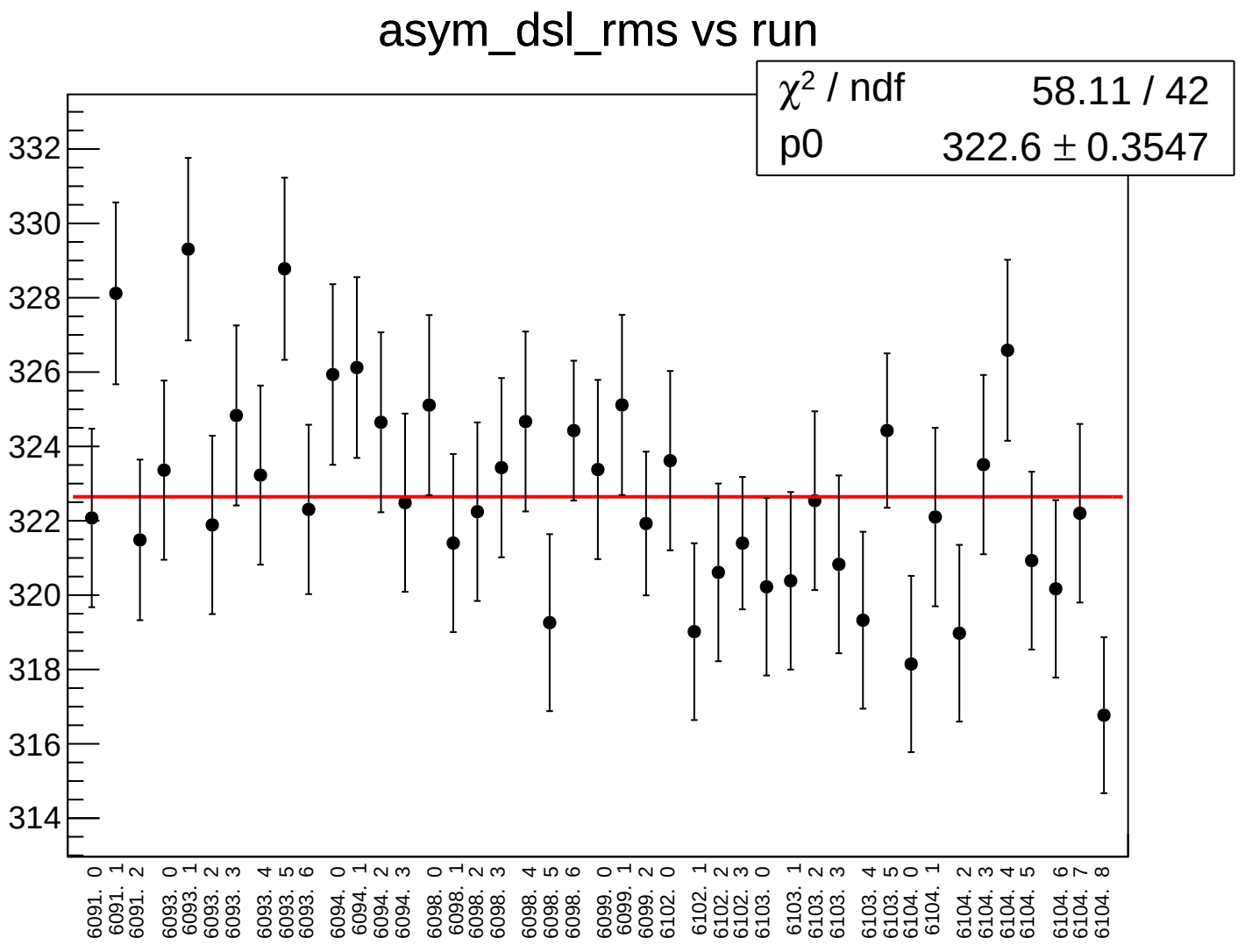


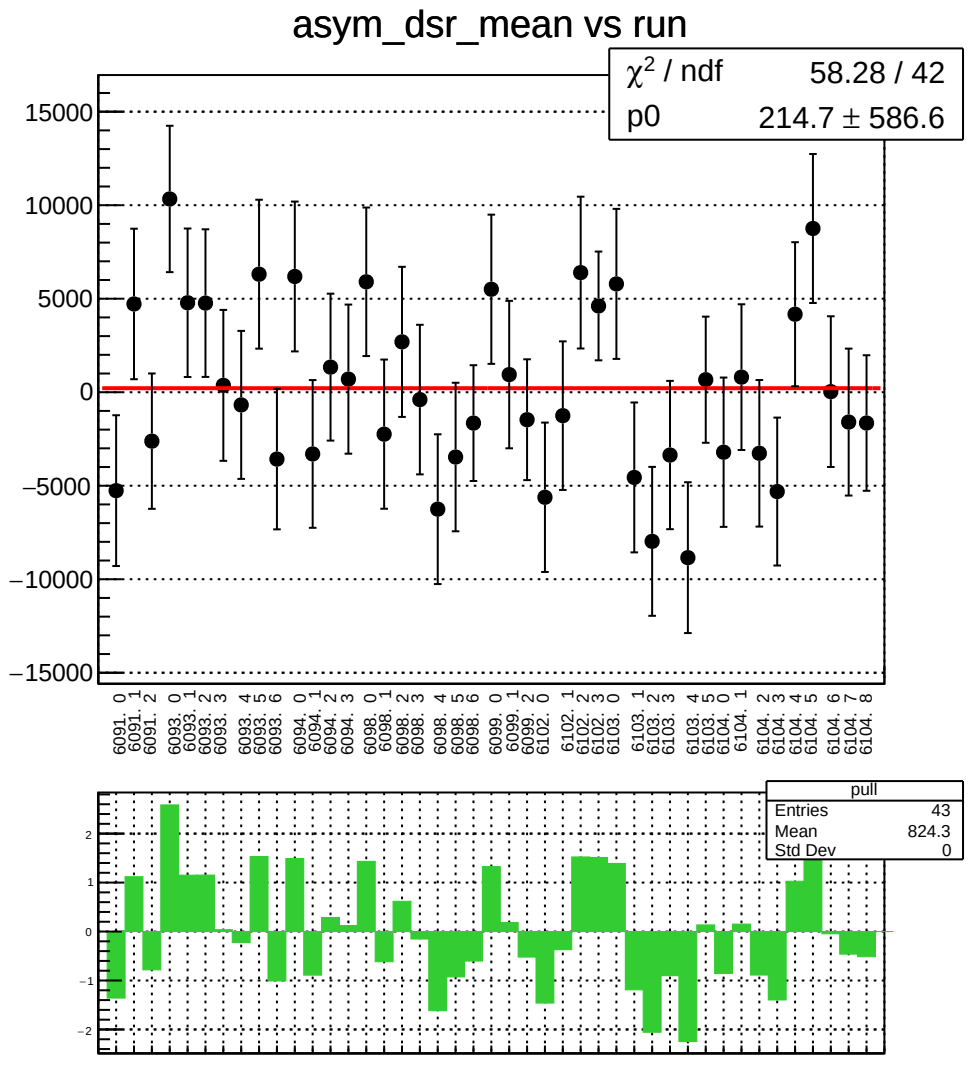


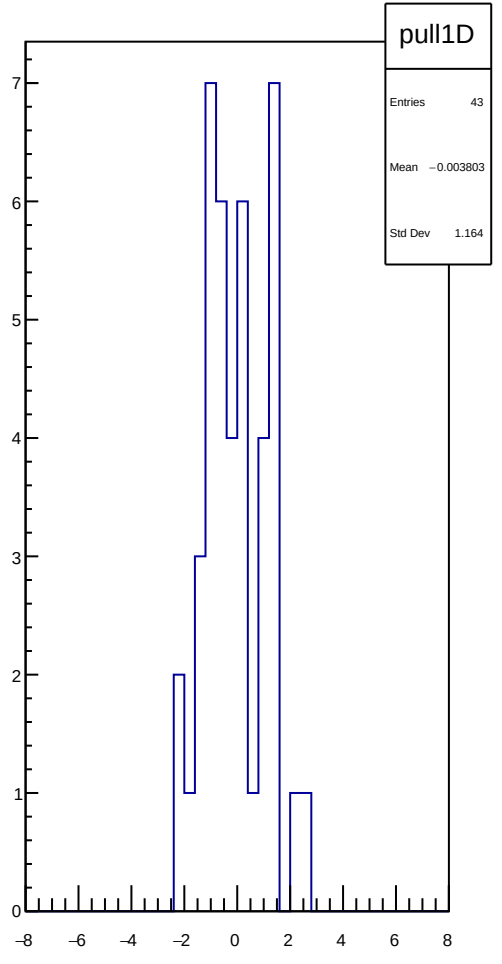

asym_usr_overload_cor_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.153e+04 / 42
p0 78.53 ± 0.08692
100
95
90
85
80
75
70
65
60
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

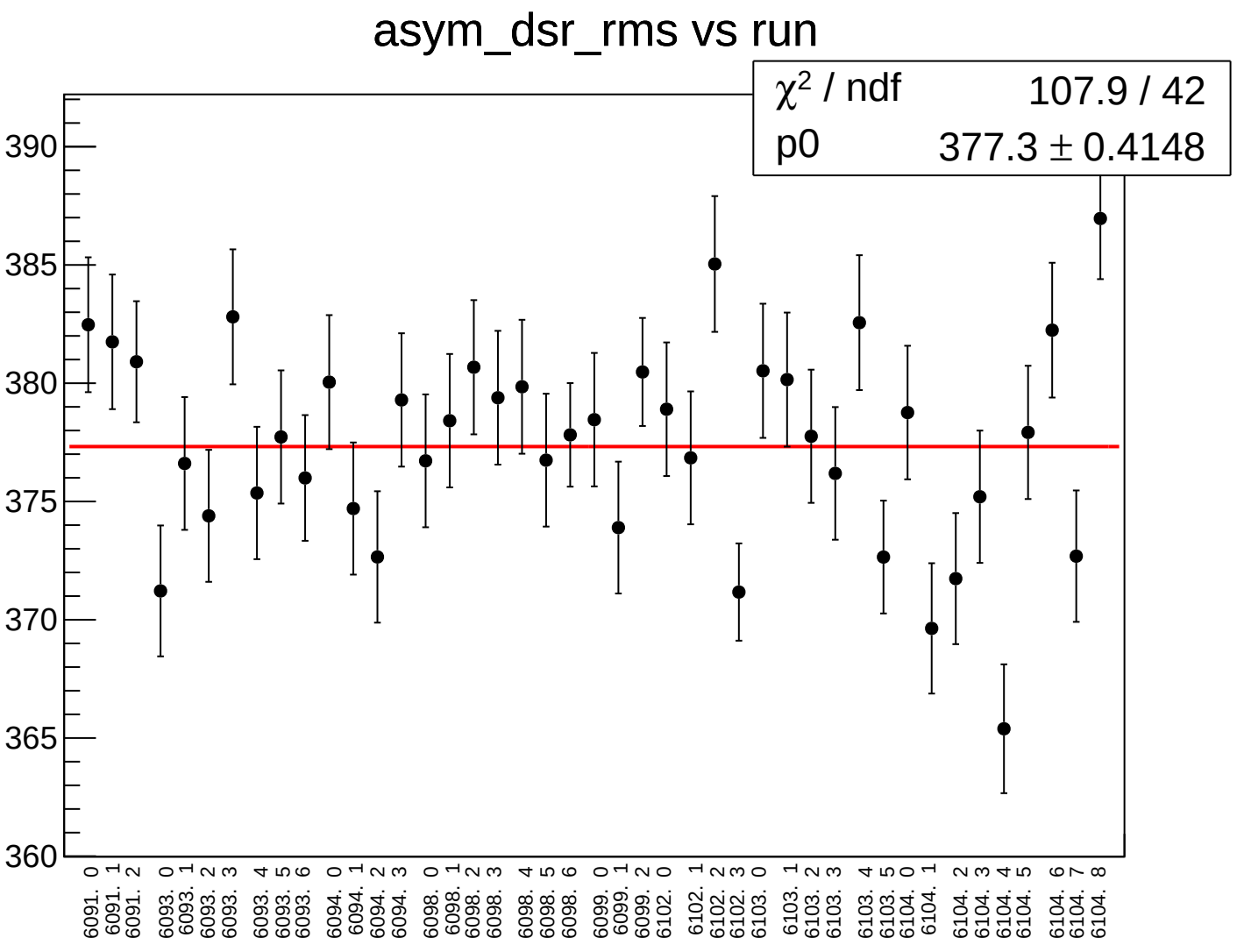

asym_dsl_mean vs run
χ^2 / ndf 63.49 / 42
p0 753.9 ± 501.6
10000
5000
0
−5000
−10000
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 100.2
Std Dev 0
2
1
0
−1
−2

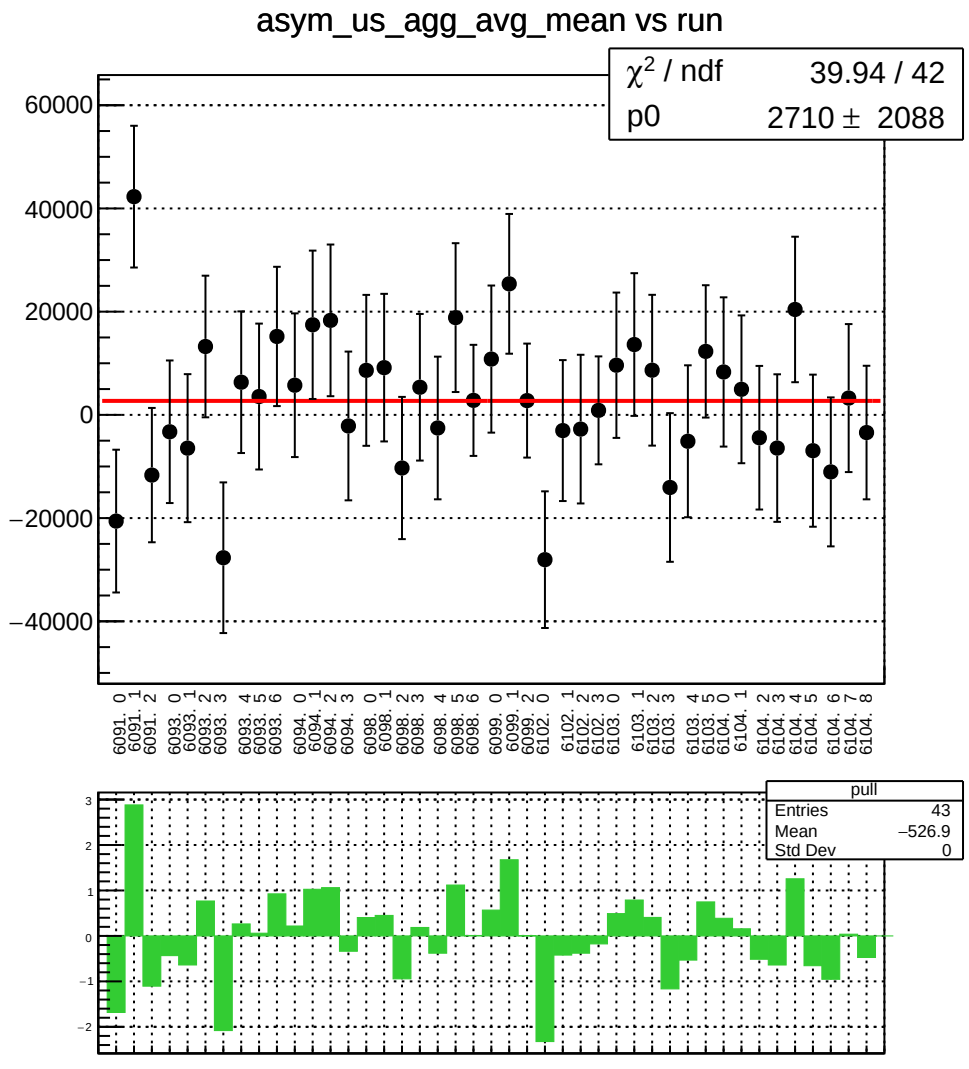

pull1D
Entries 43
Mean 0.007404
Std Dev 1.215
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

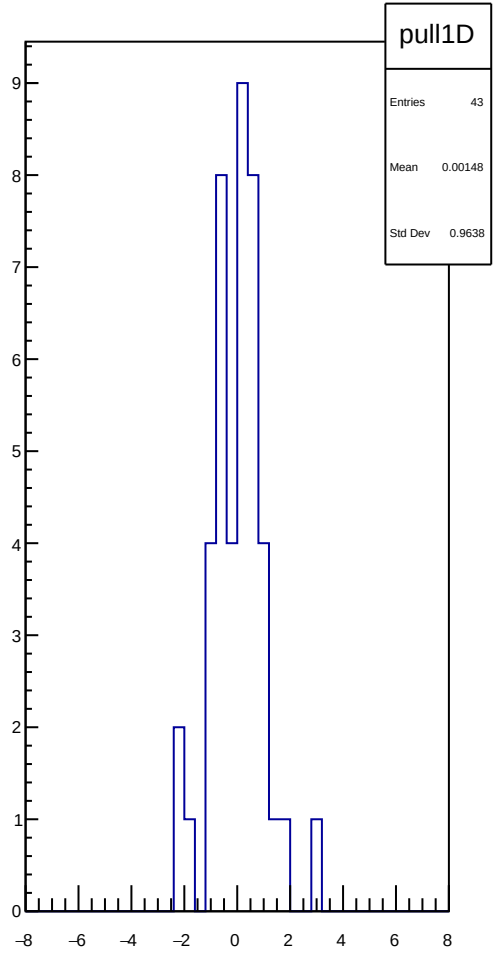

asym_dsl_rms vs run
χ² / ndf 58.11 / 42
p0 322.6 ± 0.3547
332
330
328
326
324
322
320
318
316
314
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

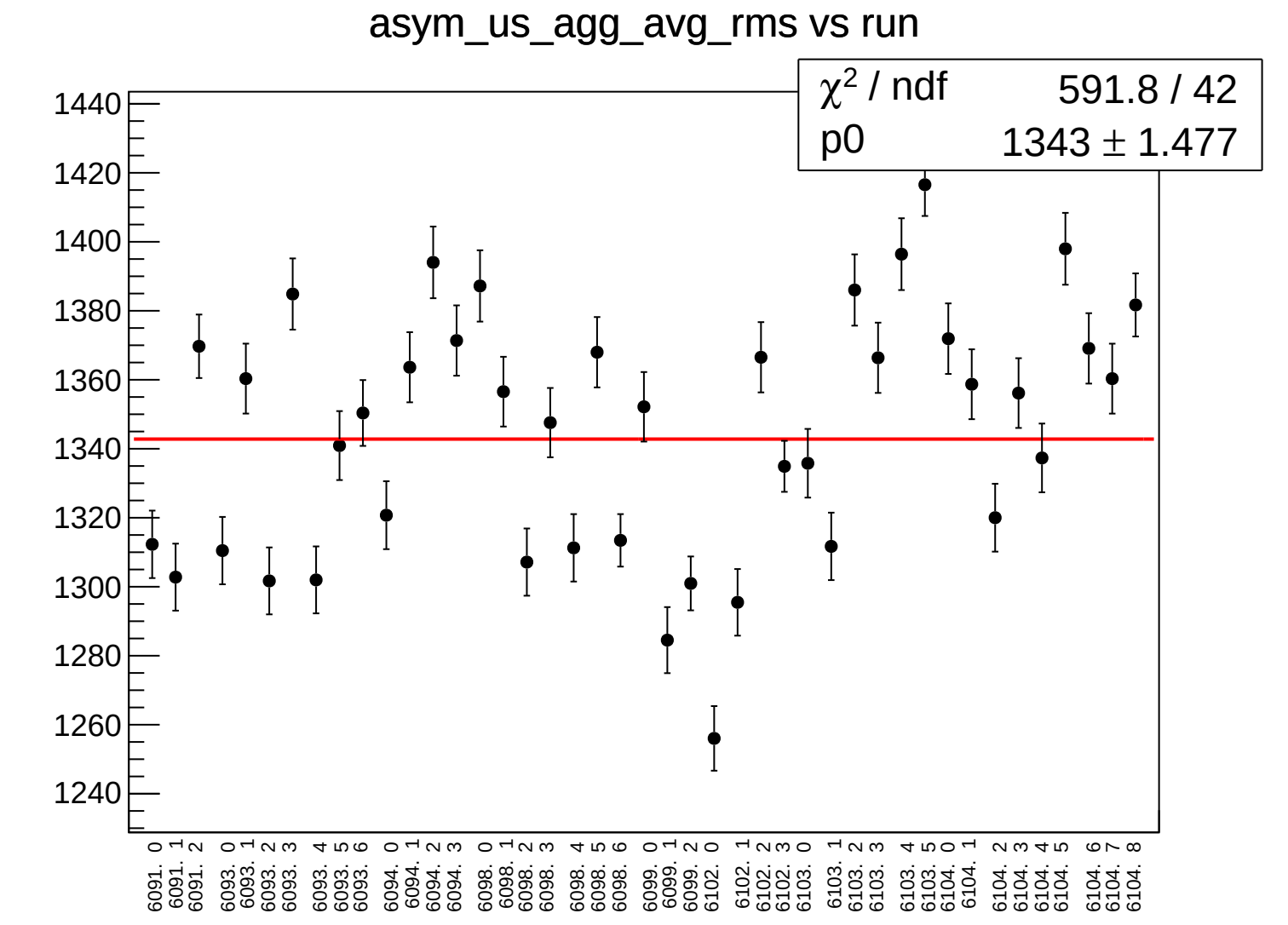

asym_dsr_mean vs run
χ² / ndf 58.28 / 42
p0 214.7 ± 586.6
15000
10000
5000
0
−5000
−10000
−15000
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 824.3
Std Dev 0
2
1
0
−1
−2

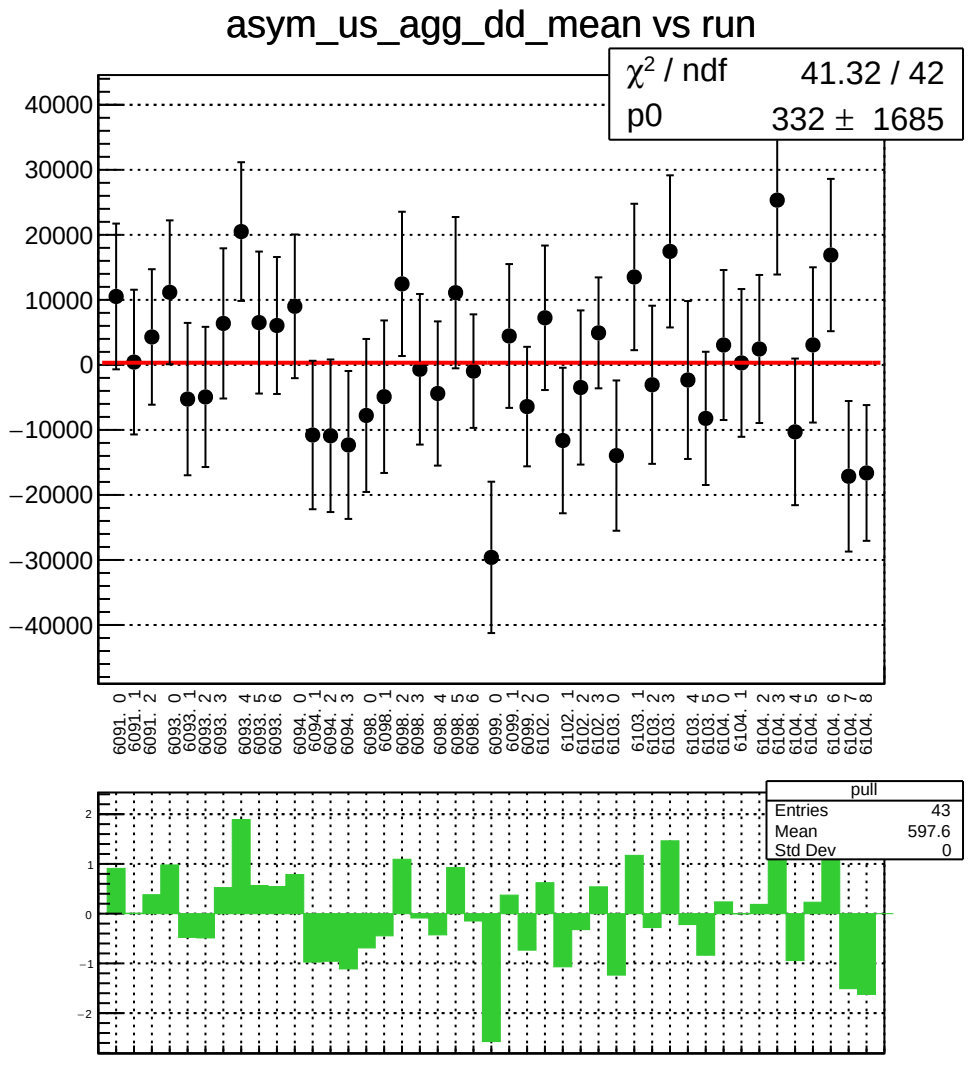

pull1D
Entries 43
Mean −0.003803
Std Dev 1.164
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

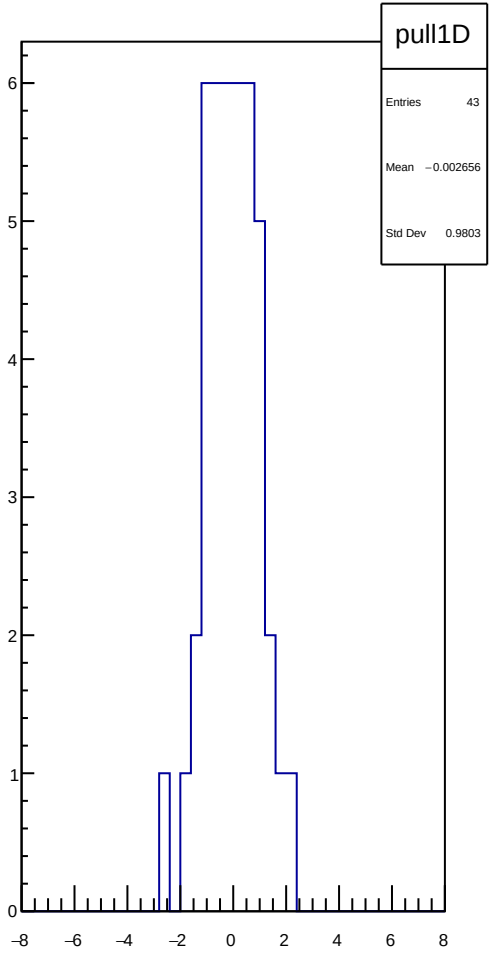

asym_dsr_rms vs run
χ² / ndf 107.9 / 42
p0 377.3 ± 0.4148
390
385
380
375
370
365
360
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

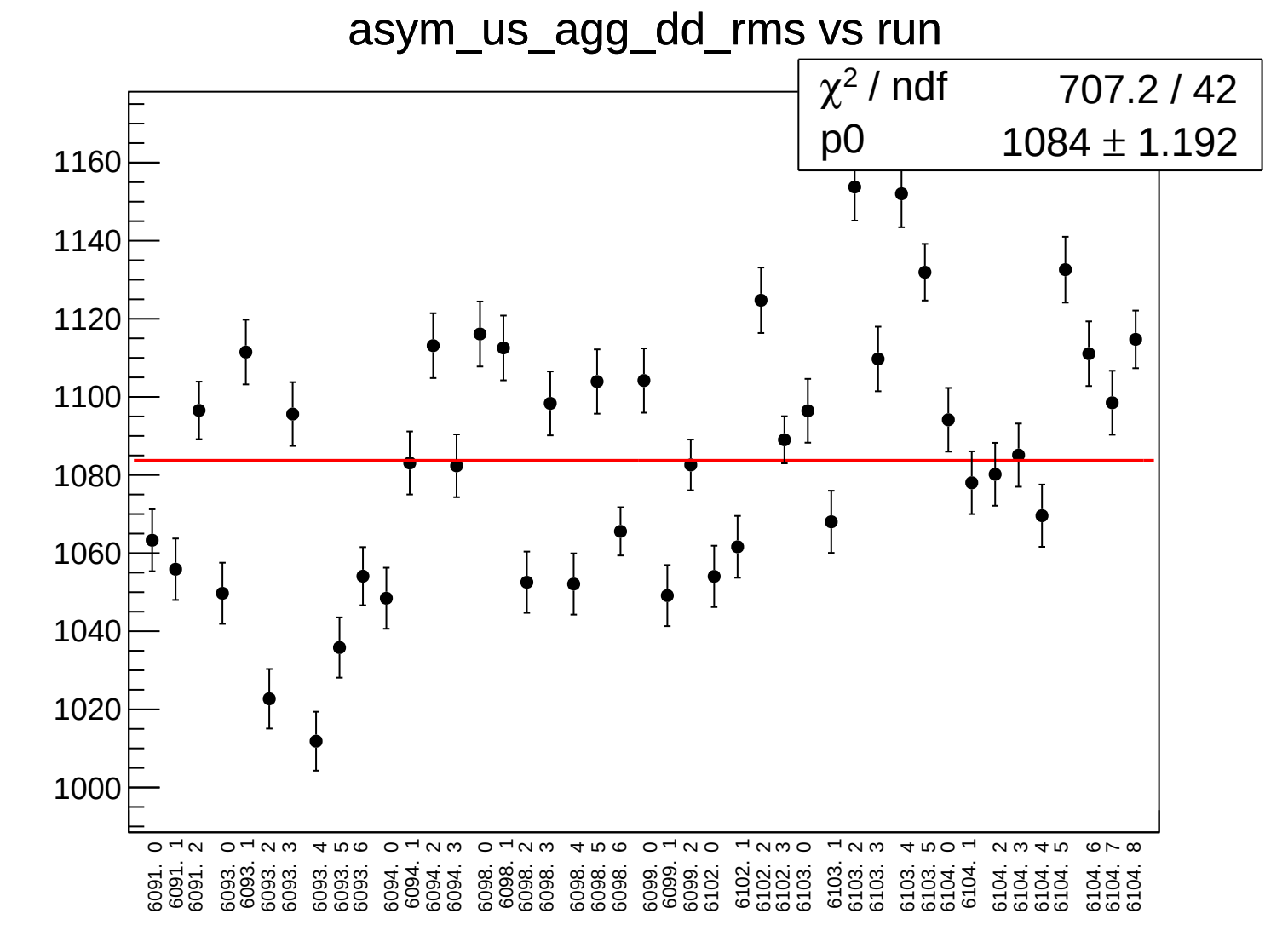

asym_us_agg_avg_mean vs run
χ² / ndf 39.94 / 42
p0 2710 ± 2088
60000
40000
20000
0
−20000
−40000
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean −526.9
Std Dev 0
3
2
1
0
−1
−2


pull1D
Entries 43
Mean 0.00148
Std Dev 0.9638
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
χ^2 / ndf 591.8 / 42
p0 1343 ± 1.477
1440
1420
1400
1380
1360
1340
1320
1300
1280
1260
1240
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8


asym_us_agg_dd_mean vs run
χ² / ndf 41.32 / 42
p0 332 ± 1685
pull
Entries 43
Mean 597.6
Std Dev 0


pull1D
Entries 43
Mean −0.002656
Std Dev 0.9803


asym_us_agg_dd_rms vs run
χ² / ndf 707.2 / 42
p0 1084 ± 1.192
1160
1140
1120
1100
1080
1060
1040
1020
1000
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
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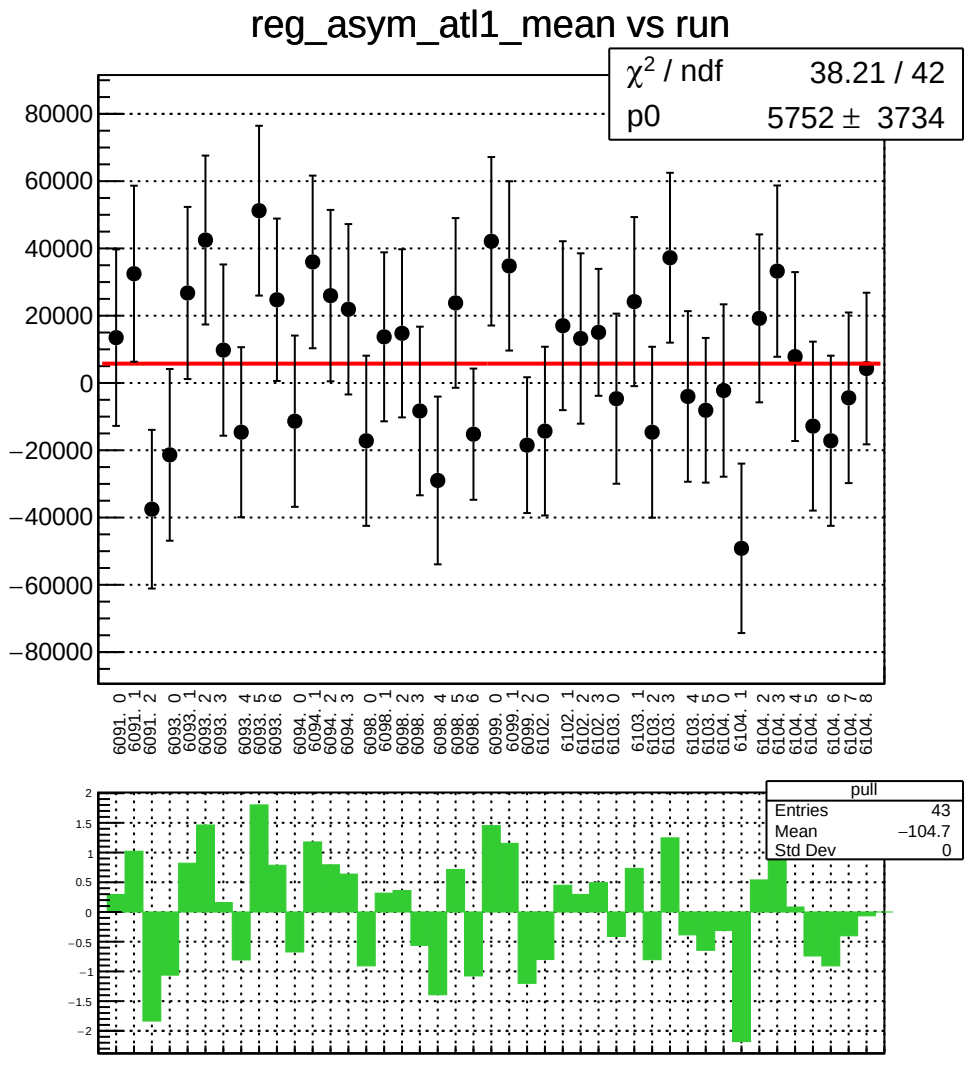
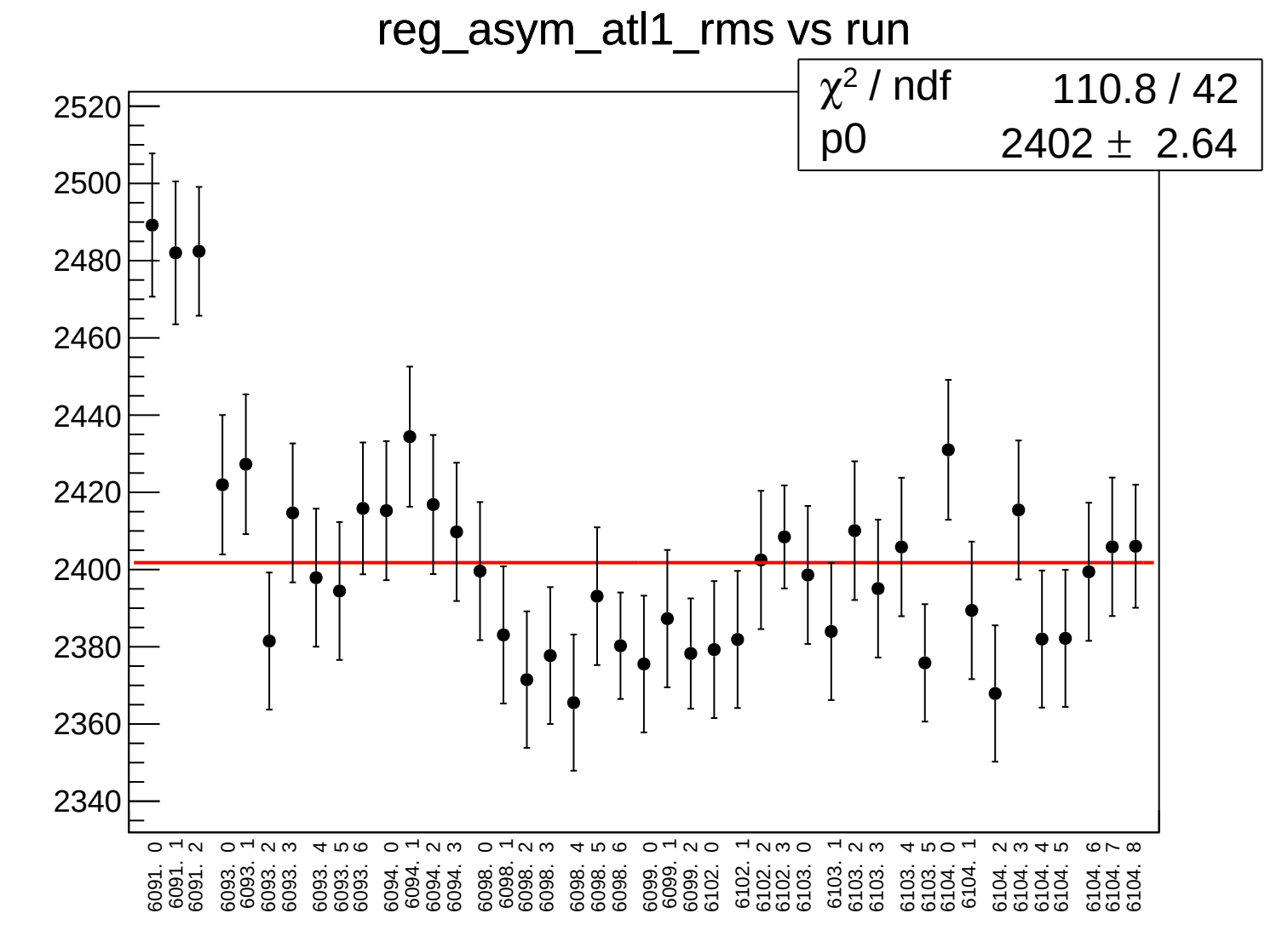
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8


reg_asym_atl1_mean vs run
χ² / ndf 38.21 / 42
p0 5752 ± 3734
pull
Entries 43
Mean −104.7
Std Dev 0
pull1D
Entries 43
Mean 0.01671
Std Dev 0.9425


reg_asym_atl1_rms vs run
χ² / ndf 110.8 / 42
p0 2402 ± 2.64
2520
2500
2480
2460
2440
2420
2400
2380
2360
2340
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
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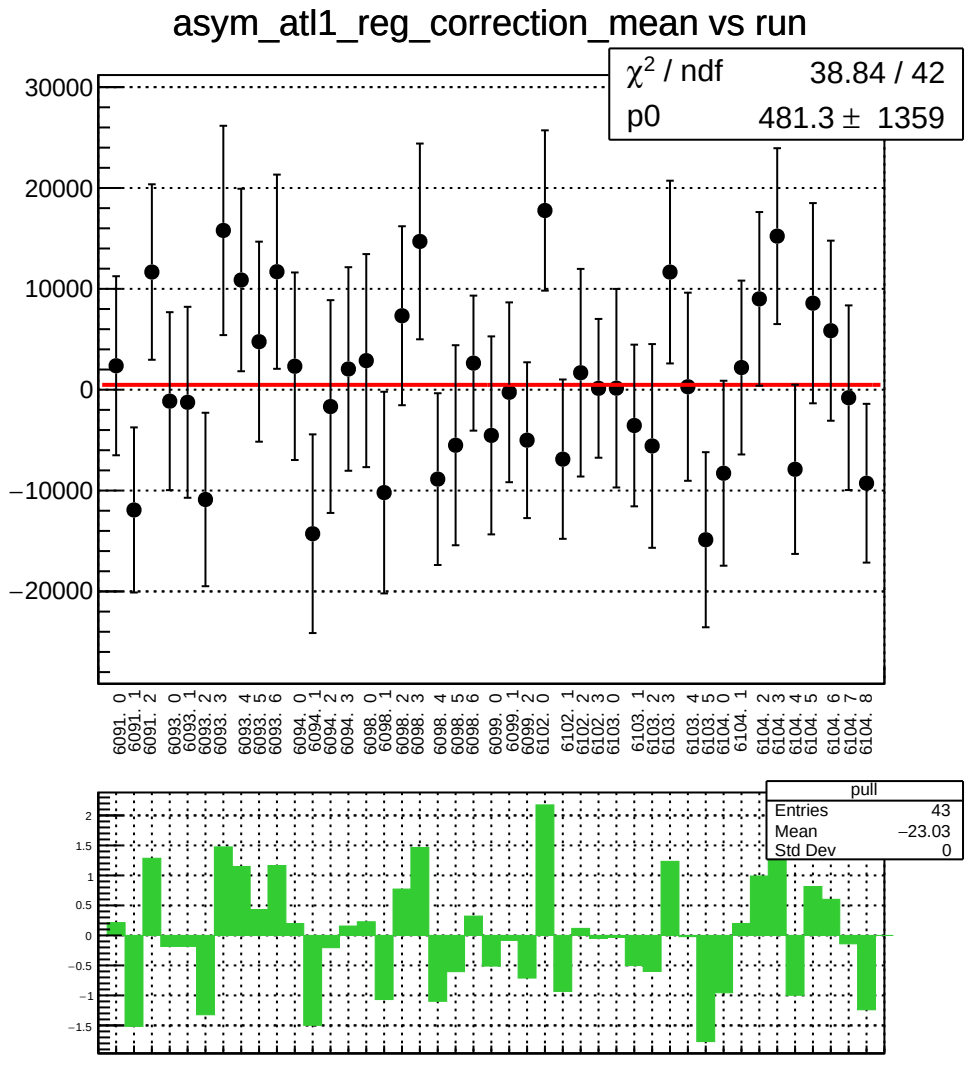
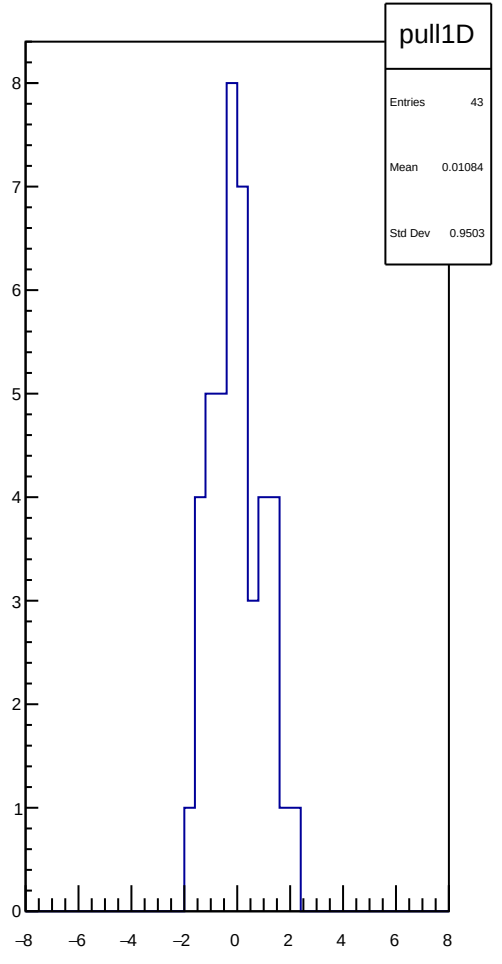
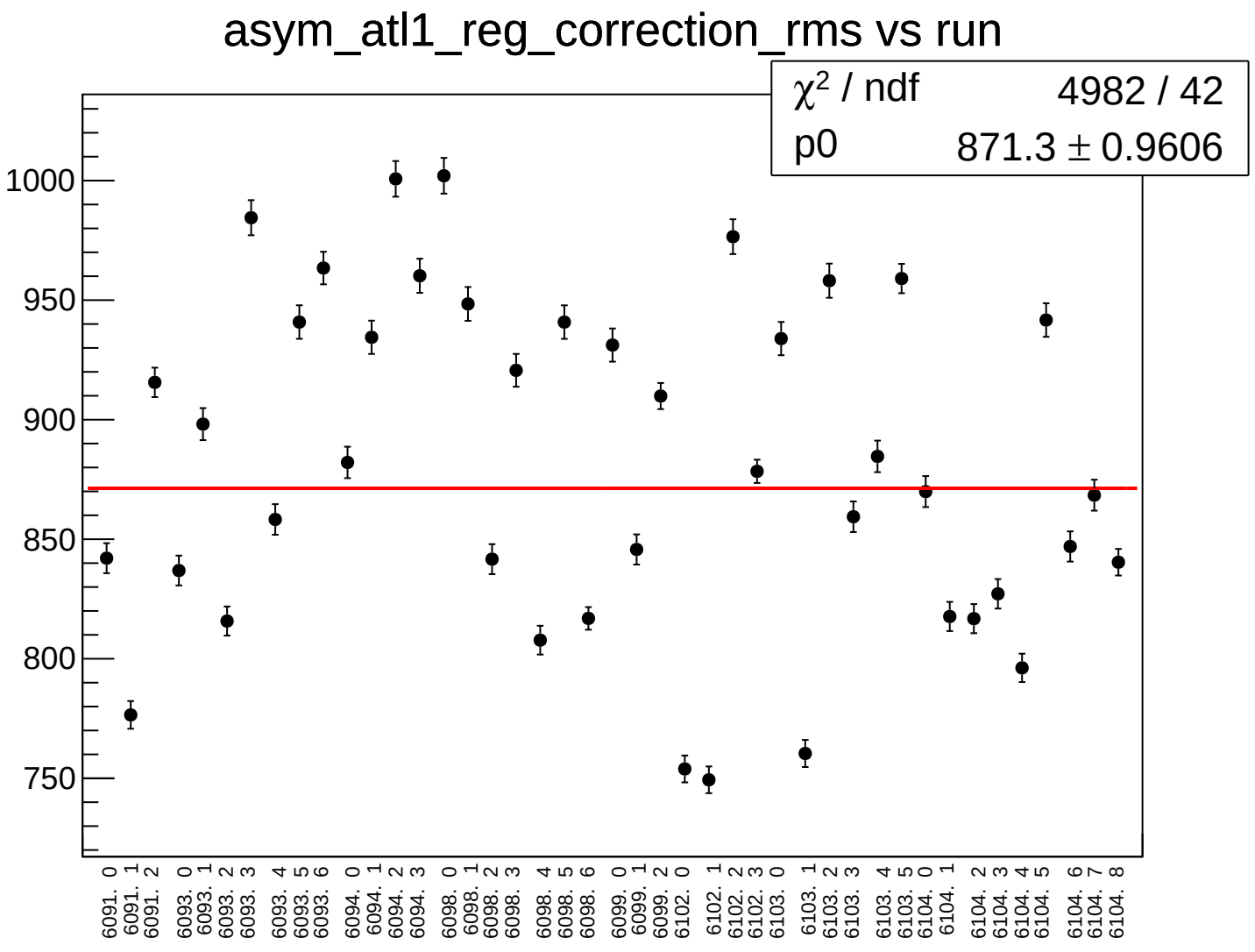
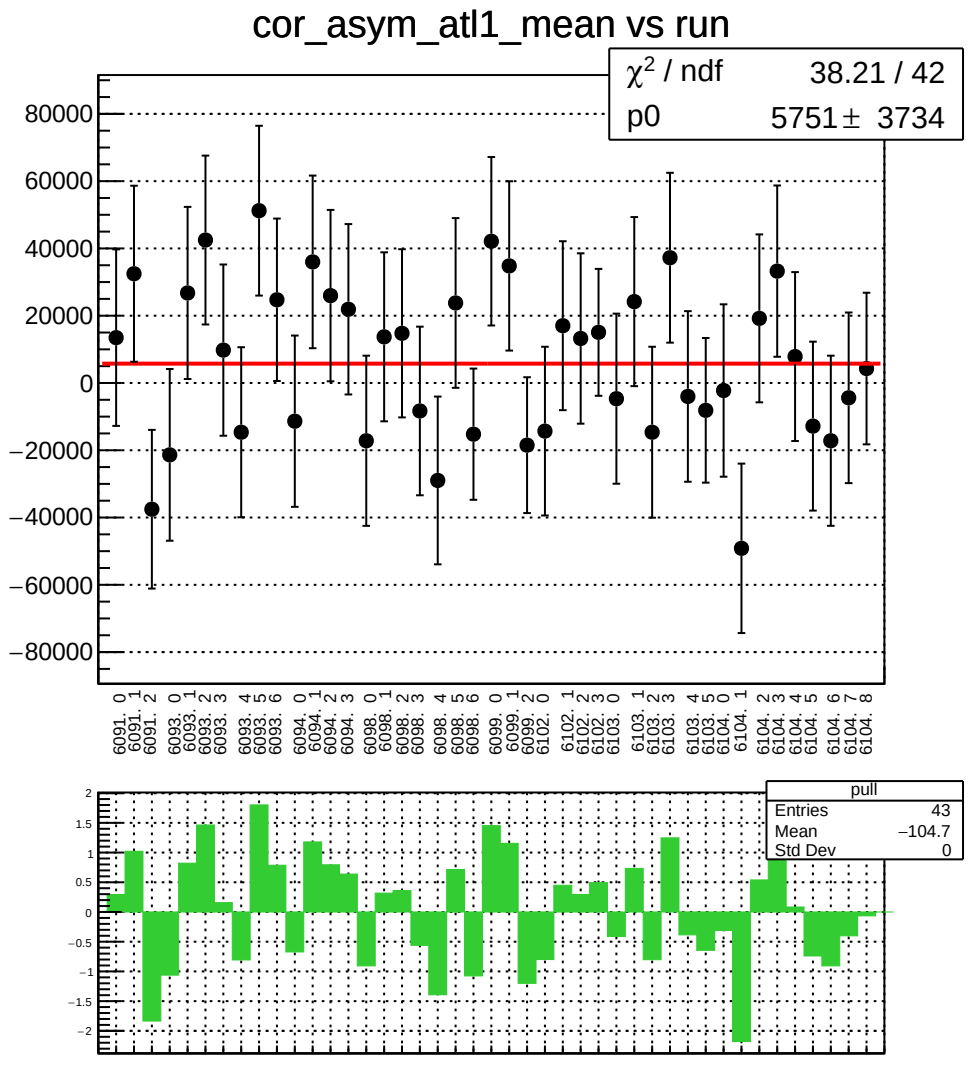
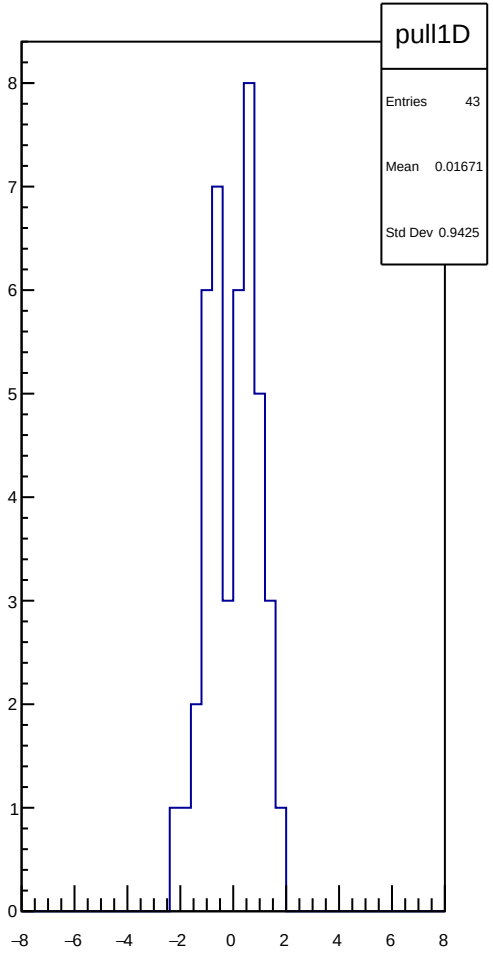
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

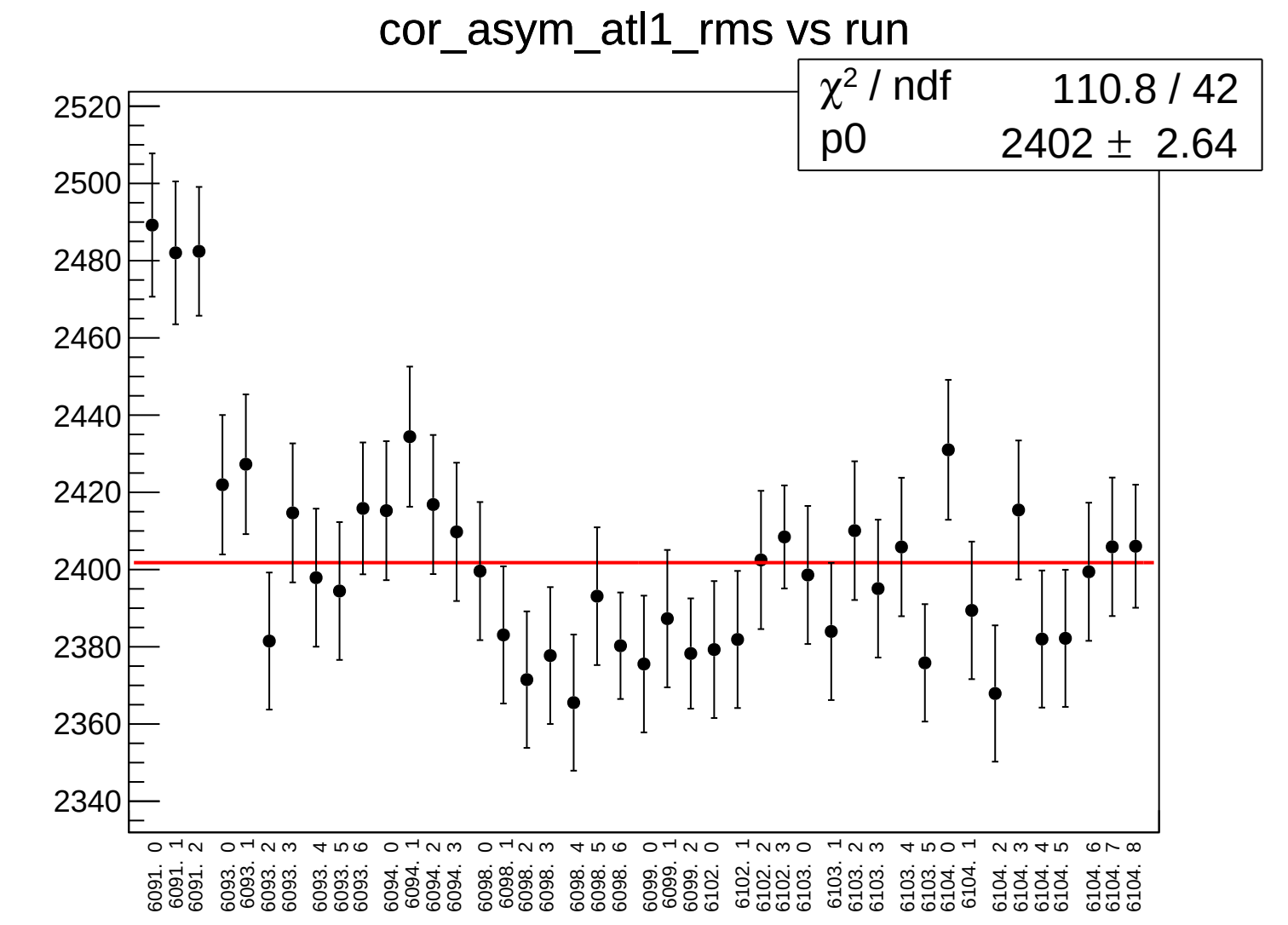

asym_atl1_reg_correction_mean vs run
χ² / ndf 38.84 / 42
p0 481.3 ± 1359
30000
20000
10000
0
−10000
−20000
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean −23.03
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5

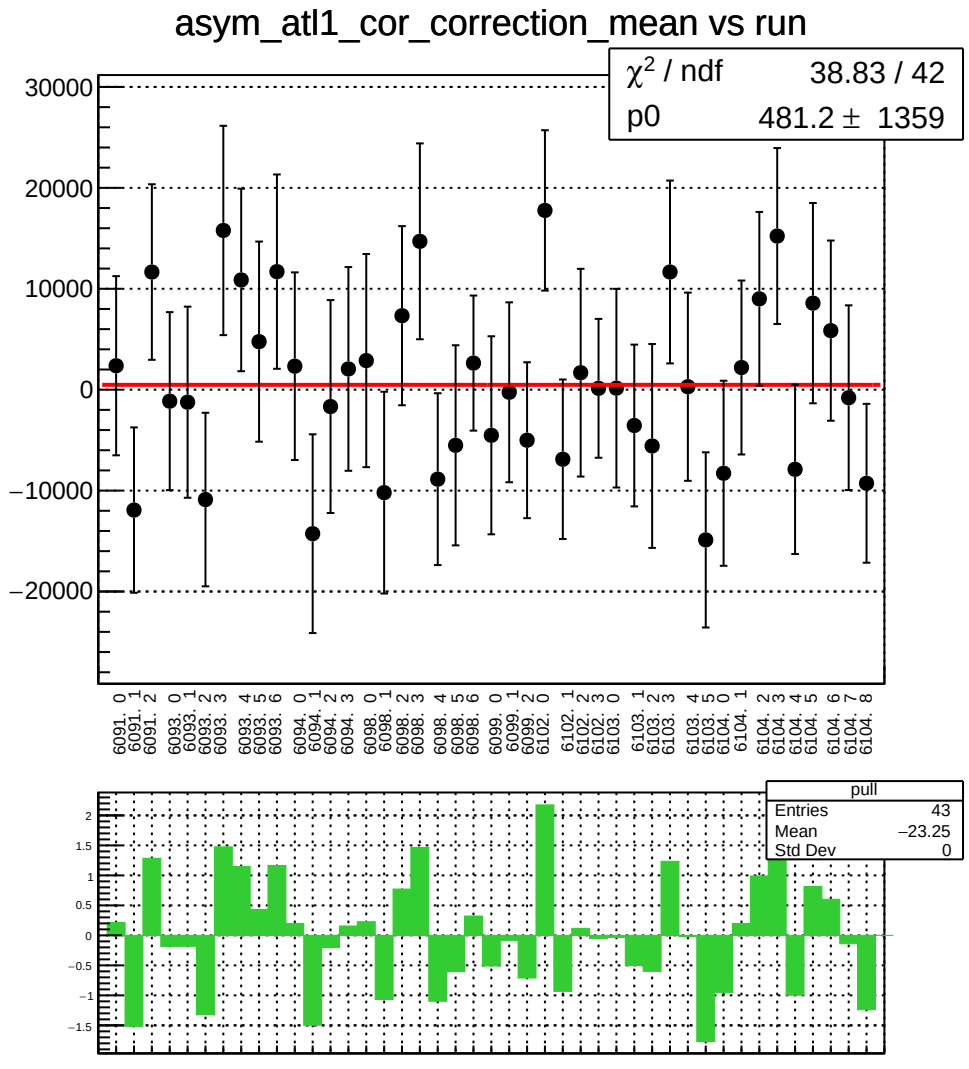

pull1D
Entries 43
Mean 0.01084
Std Dev 0.9503
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

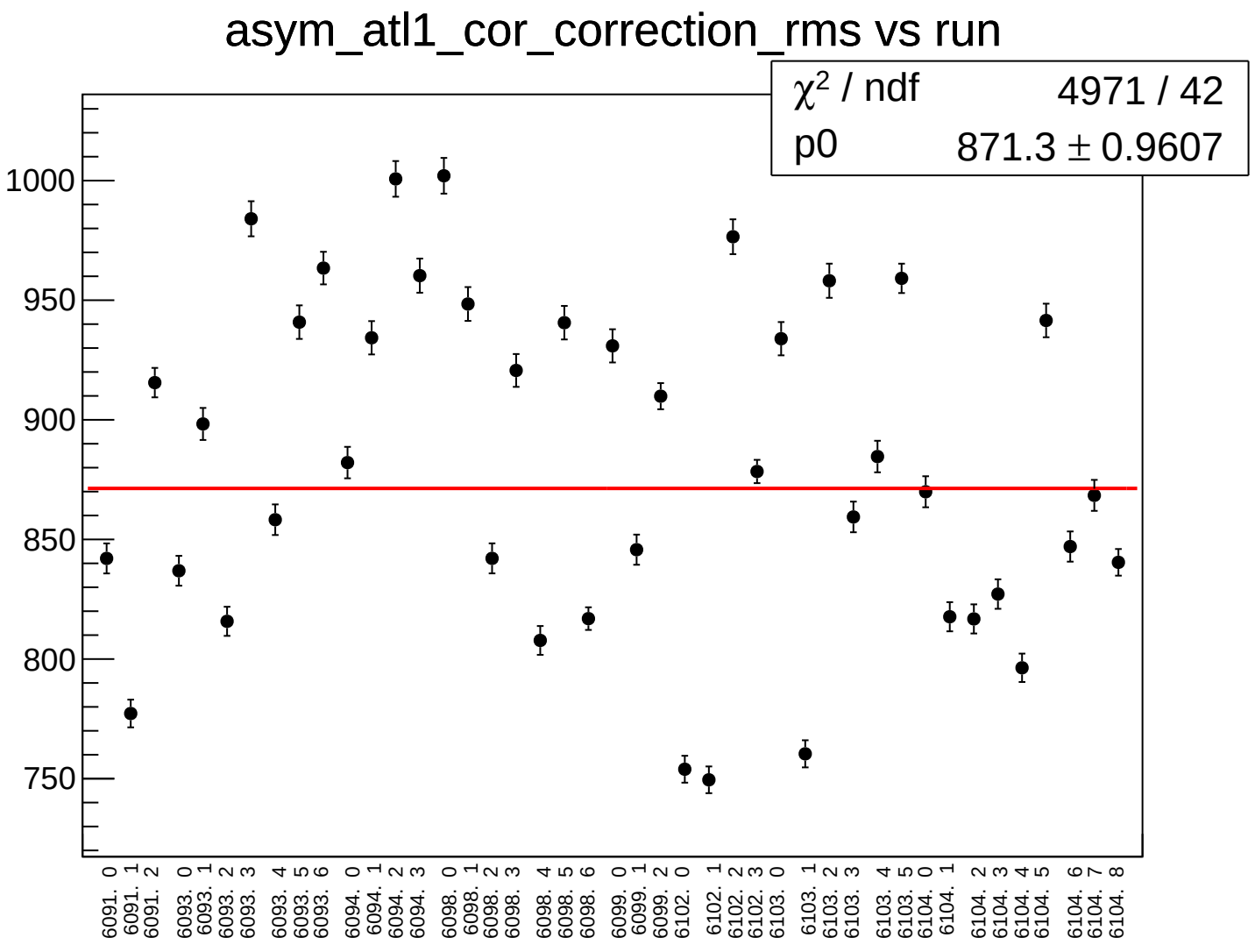

asym_atl1_reg_correction_rms vs run
χ² / ndf 4982 / 42
p0 871.3 ± 0.9606
1000
950
900
850
800
750
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

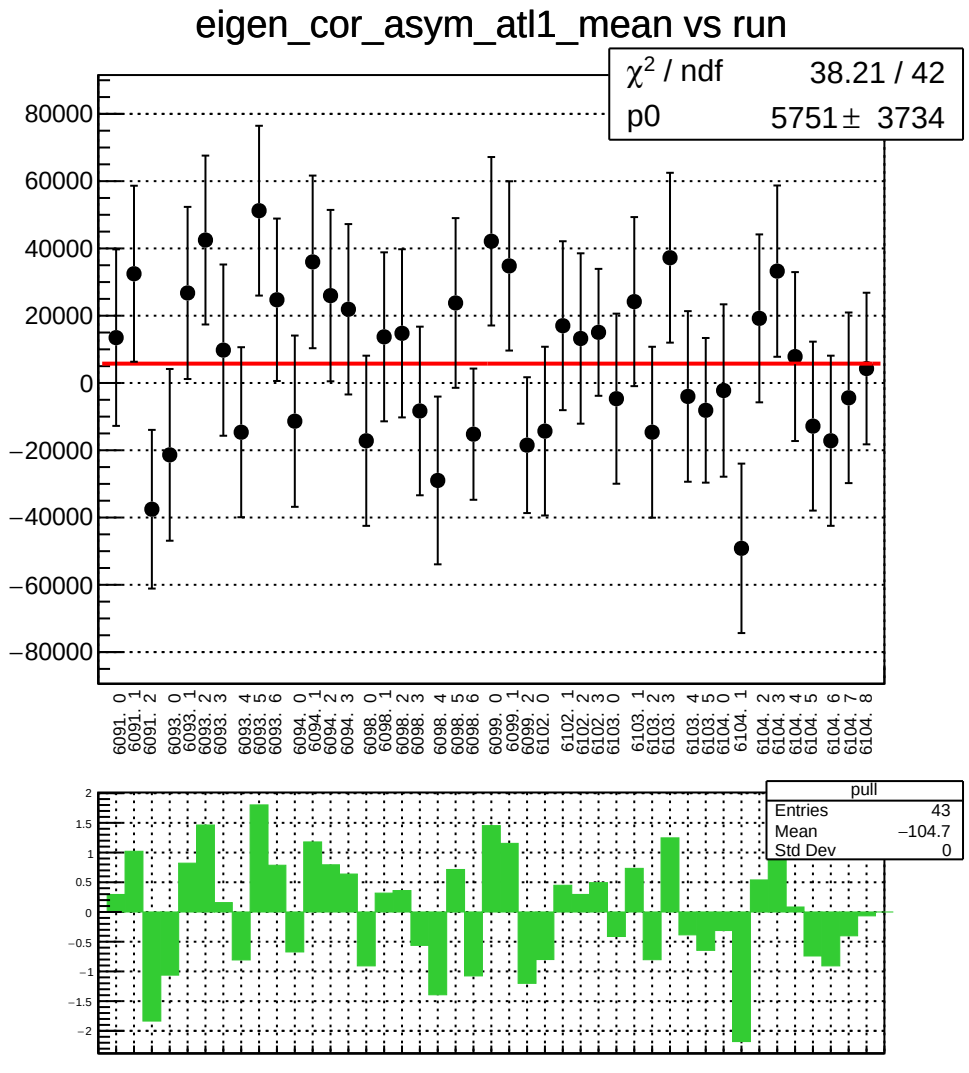

cor_asym_atl1_mean vs run
χ² / ndf 38.21 / 42
p0 5751 ± 3734
pull
Entries 43
Mean −104.7
Std Dev 0

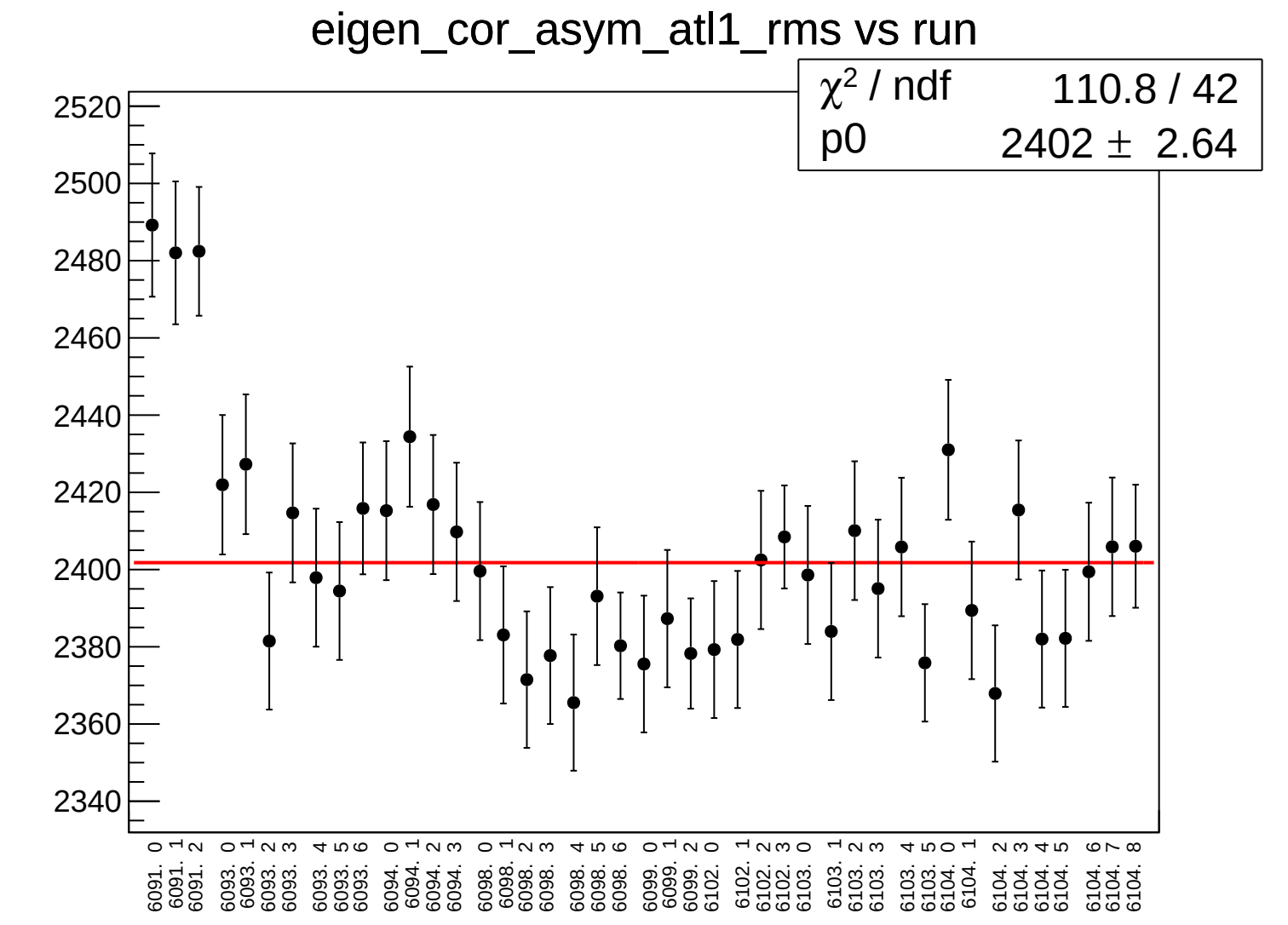

pull1D
Entries 43
Mean 0.01671
Std Dev 0.9425

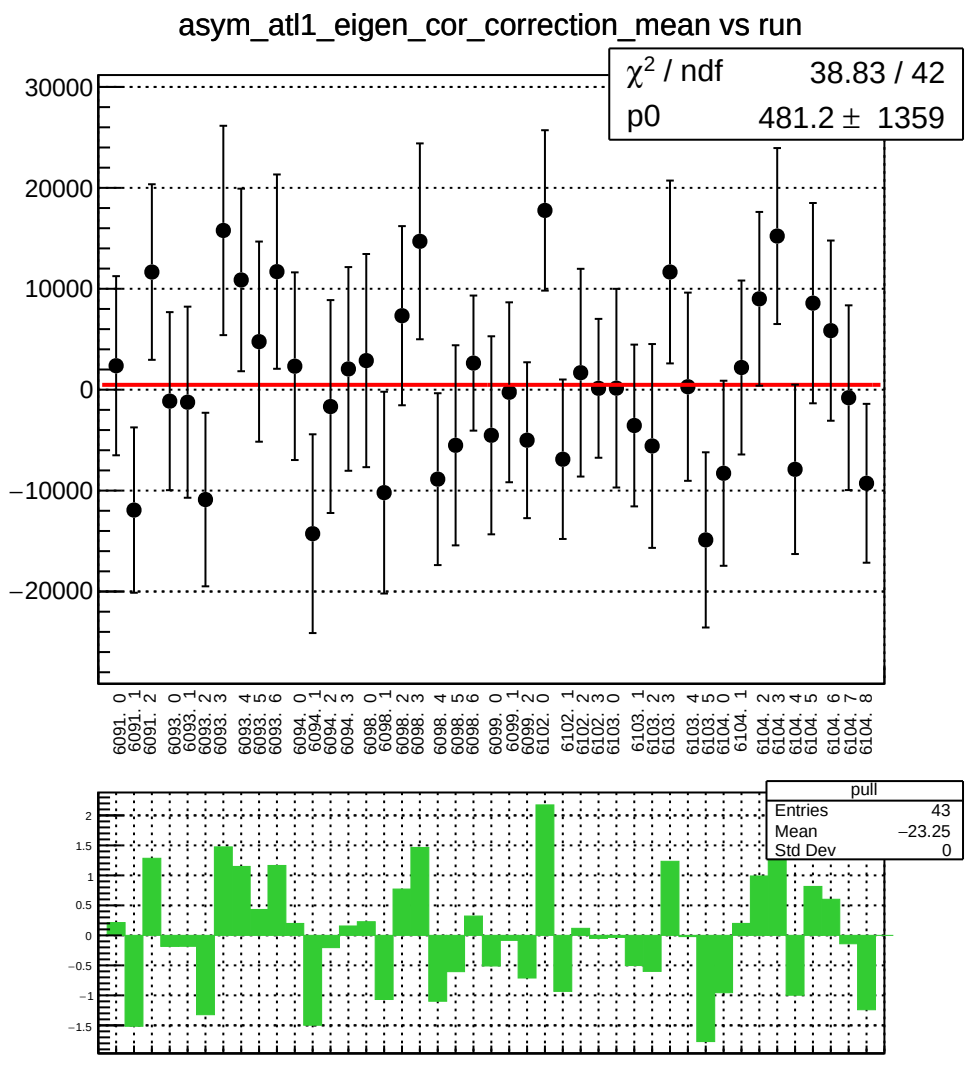

cor_asym_atl1_rms vs run
χ² / ndf 110.8 / 42
p0 2402 ± 2.64
2520
2500
2480
2460
2440
2420
2400
2380
2360
2340
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

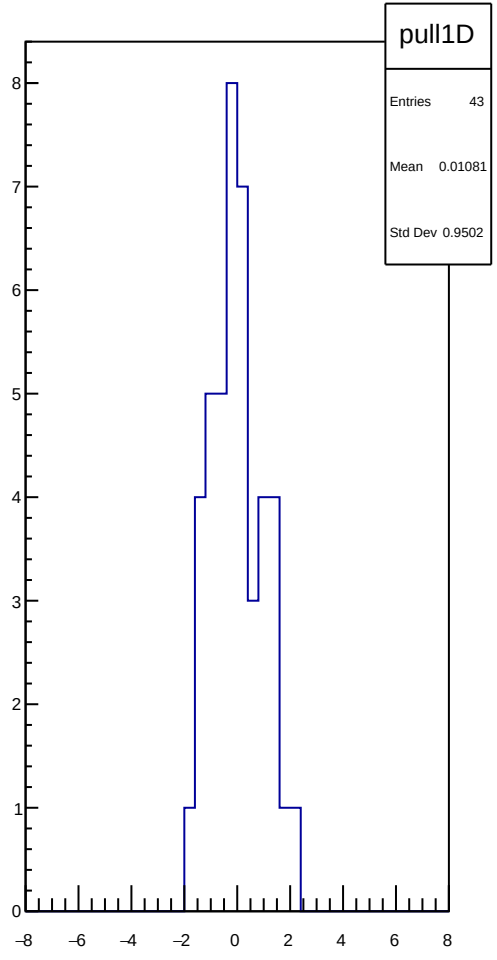

asym_atl1_cor_correction_mean vs run
χ² / ndf 38.83 / 42
p0 481.2 ± 1359
30000
20000
10000
0
−10000
−20000
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean −23.25
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 43
Mean 0.01081
Std Dev 0.9502
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

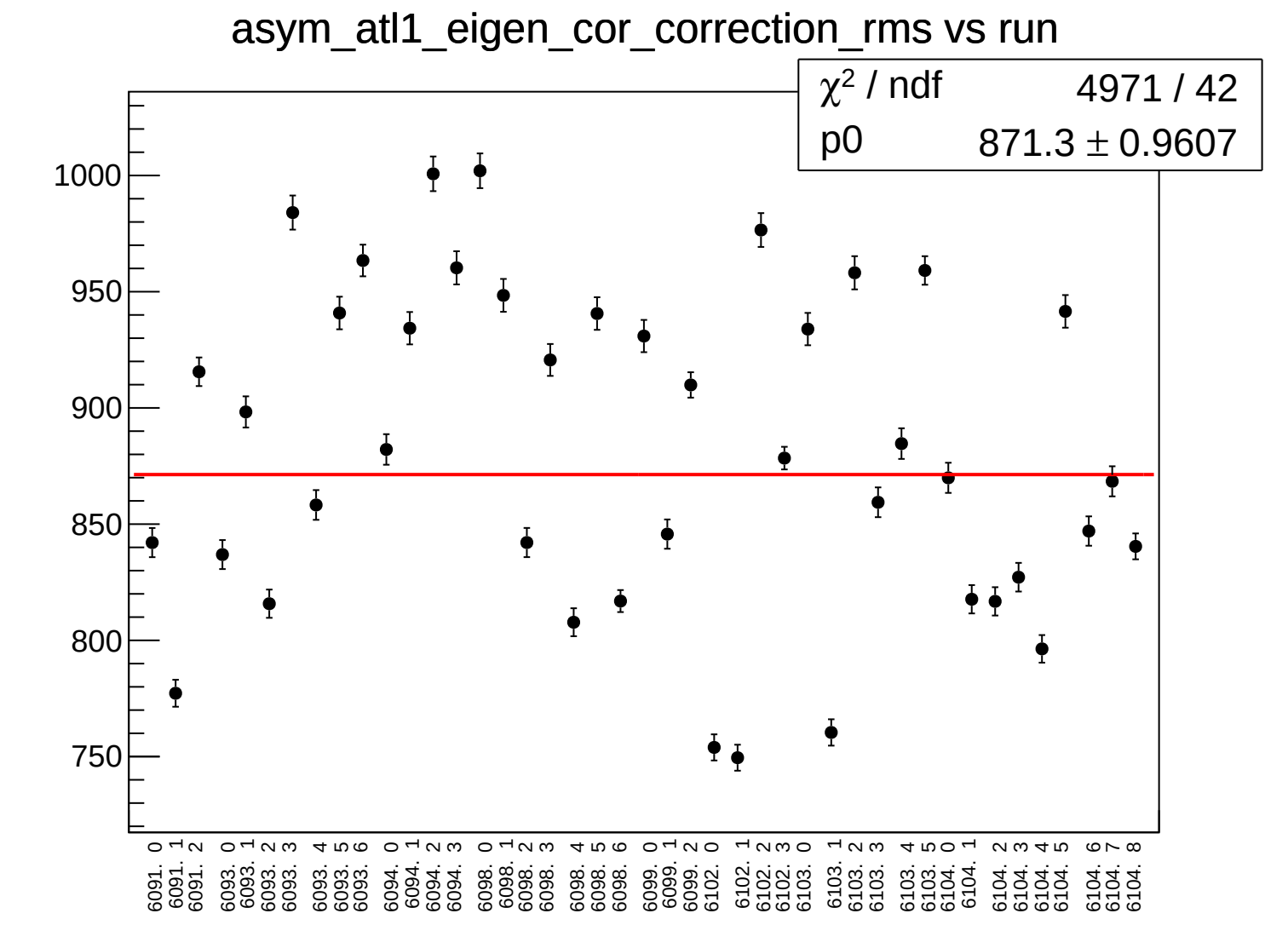

asym_atl1_cor_correction_rms vs run
χ² / ndf 4971 / 42
p0 871.3 ± 0.9607
1000
950
900
850
800
750
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

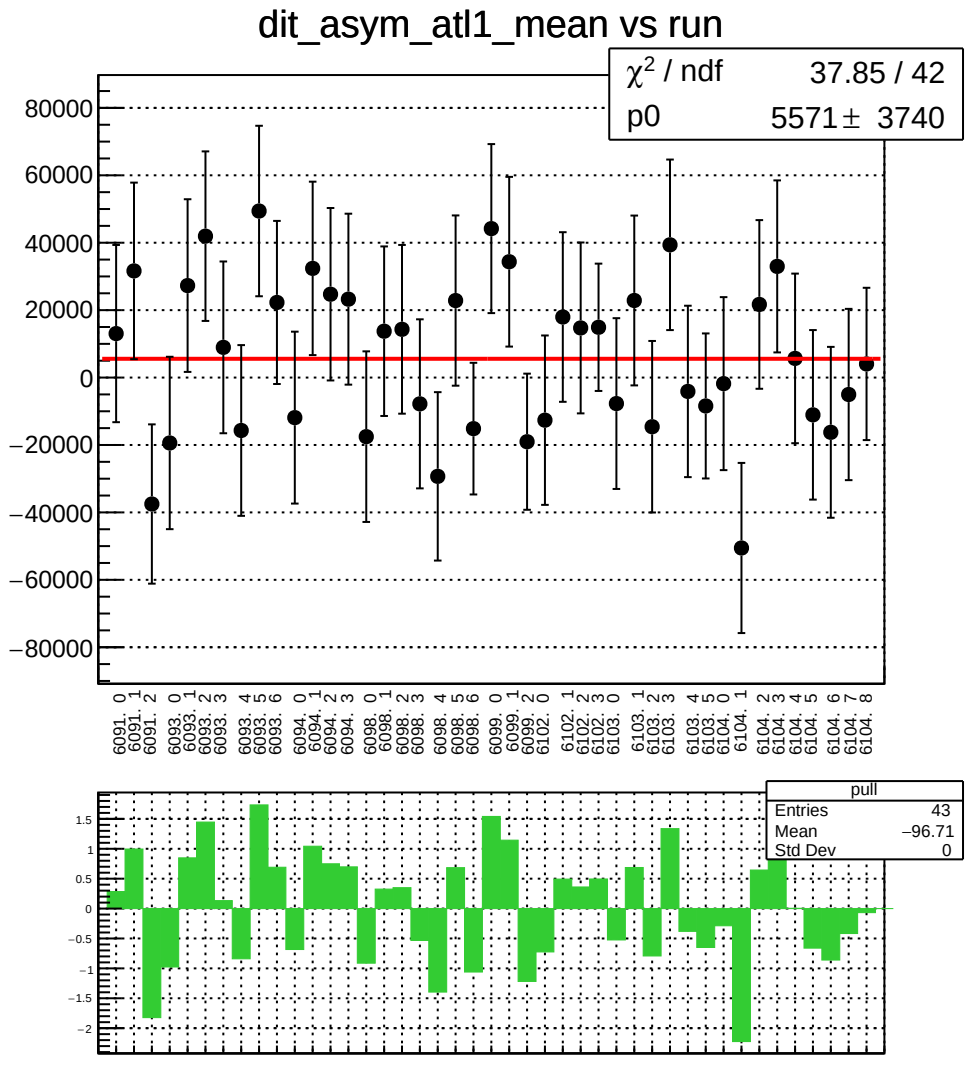

eigen_cor_asym_atl1_mean vs run
χ² / ndf 38.21 / 42
p0 5751 ± 3734
pull
Entries 43
Mean −104.7
Std Dev 0
pull1D
Entries 43
Mean 0.01671
Std Dev 0.9425

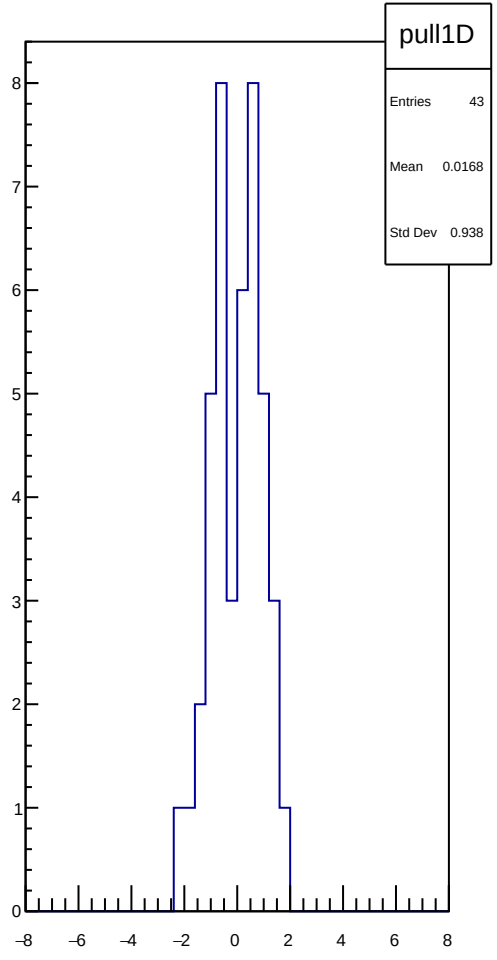

eigen_cor_asym_atl1_rms vs run
χ² / ndf 110.8 / 42
p0 2402 ± 2.64
2520
2500
2480
2460
2440
2420
2400
2380
2360
2340
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

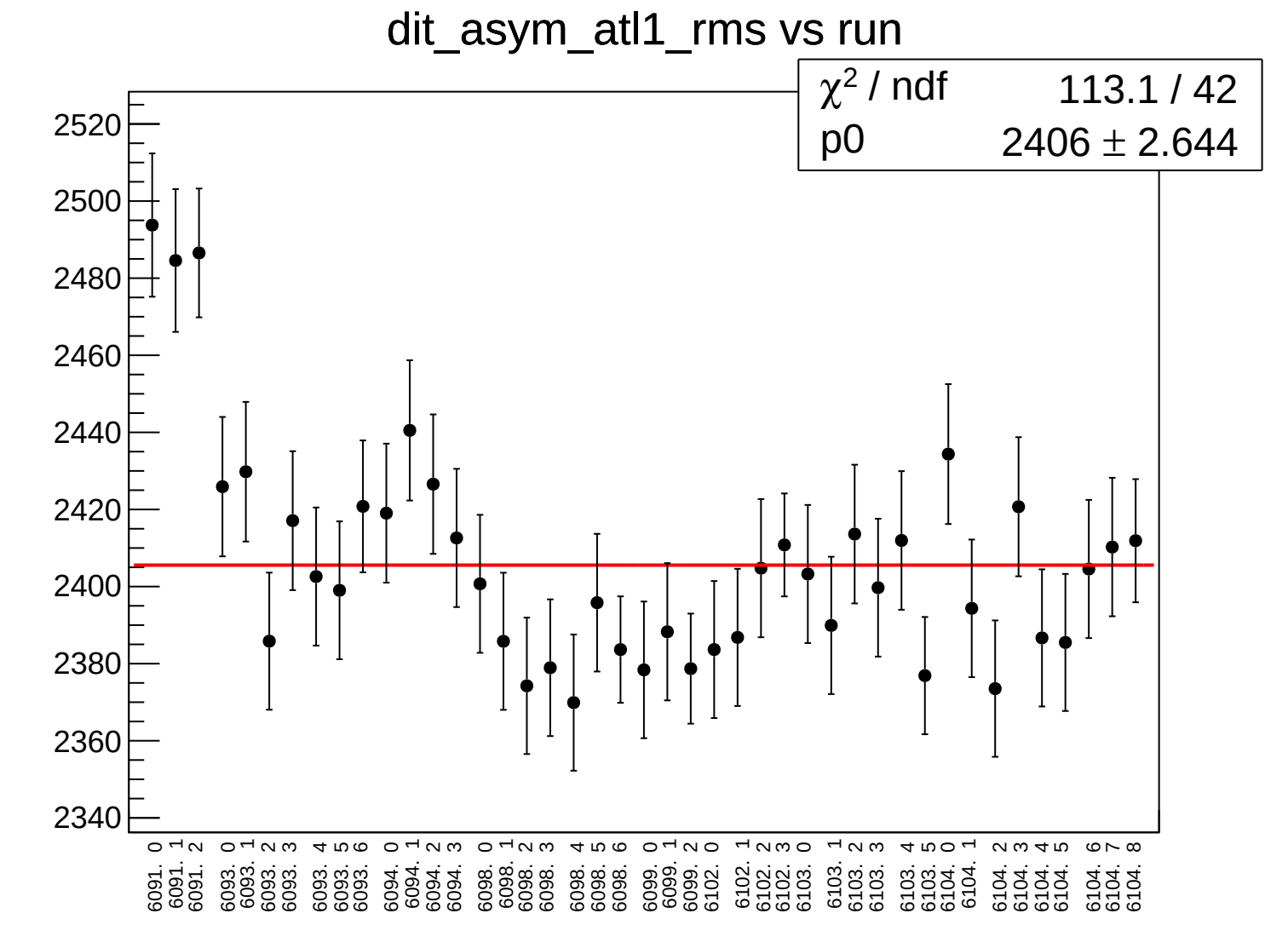

asym_atl1_eigen_cor_correction_mean vs run
χ² / ndf 38.83 / 42
p0 481.2 ± 1359
30000
20000
10000
0
−10000
−20000
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean −23.25
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5

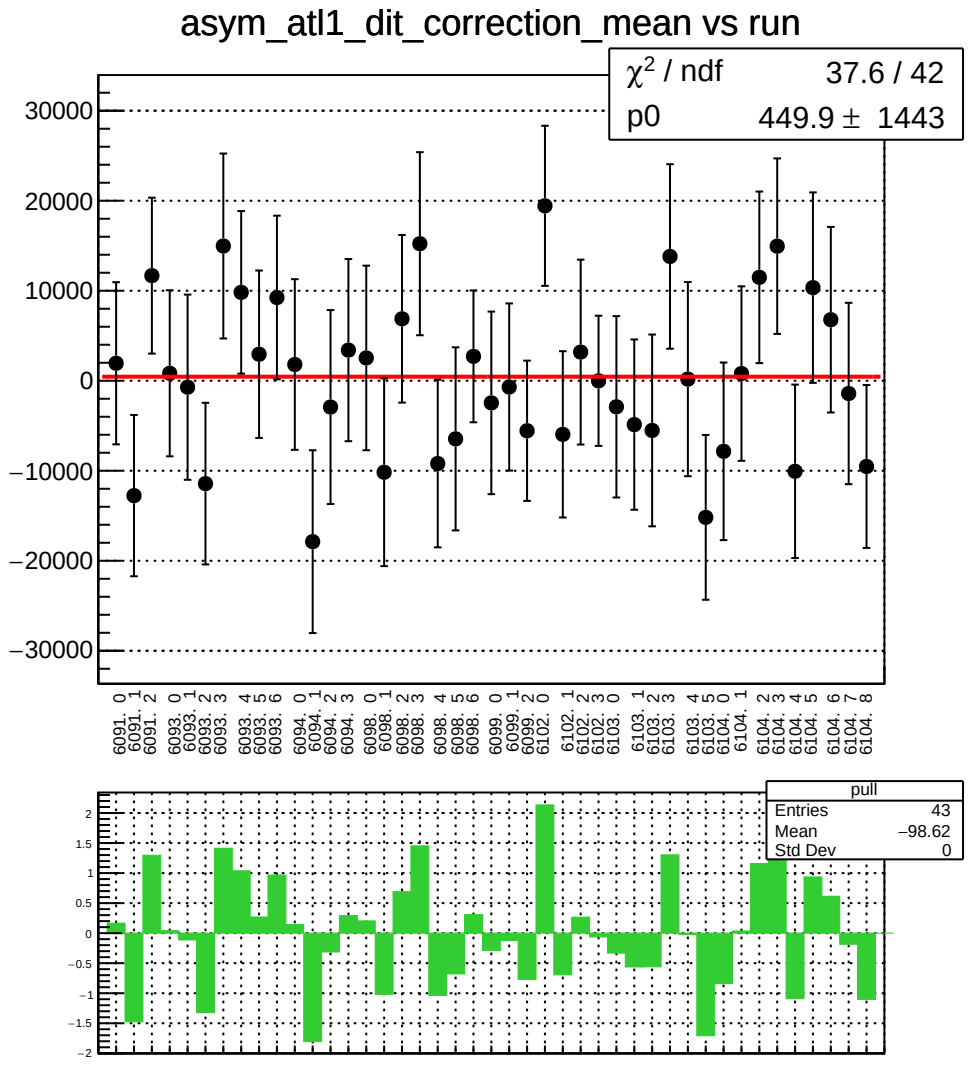

pull1D
Entries 43
Mean 0.01081
Std Dev 0.9502
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

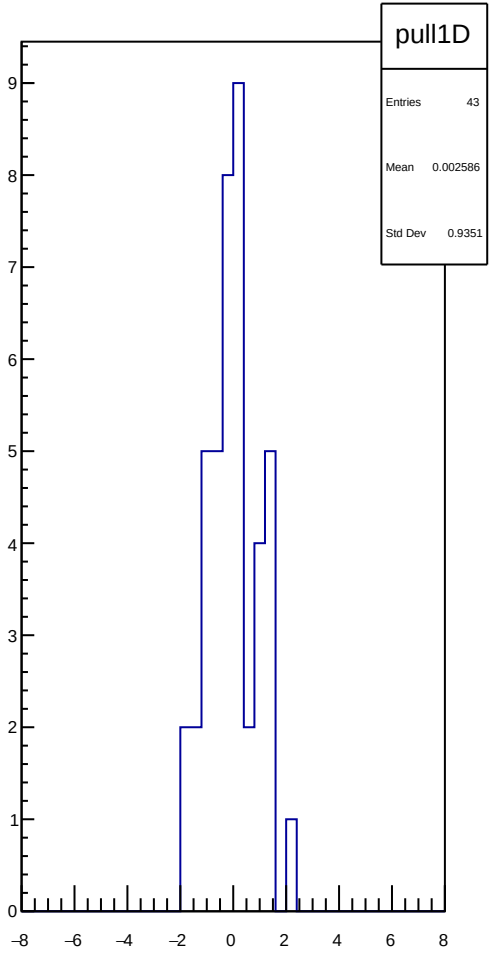

asym_atl1_eigen_cor_correction_rms vs run
χ² / ndf 4971 / 42
p0 871.3 ± 0.9607
1000
950
900
850
800
750
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

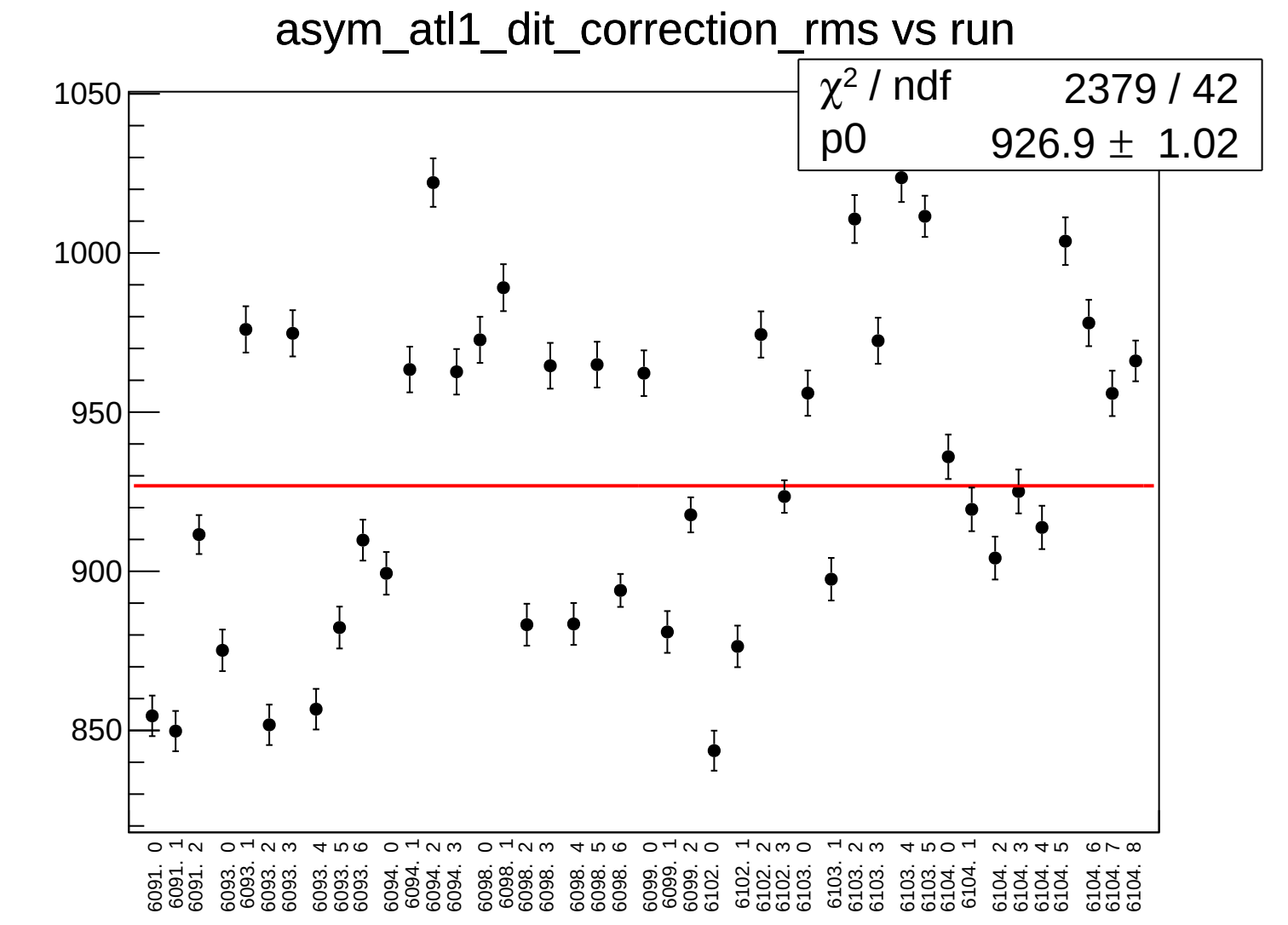

dit_asym_atl1_mean vs run
χ² / ndf 37.85 / 42
p0 5571 ± 3740
80000
60000
40000
20000
0
−20000
−40000
−60000
−80000
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean −96.71
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2

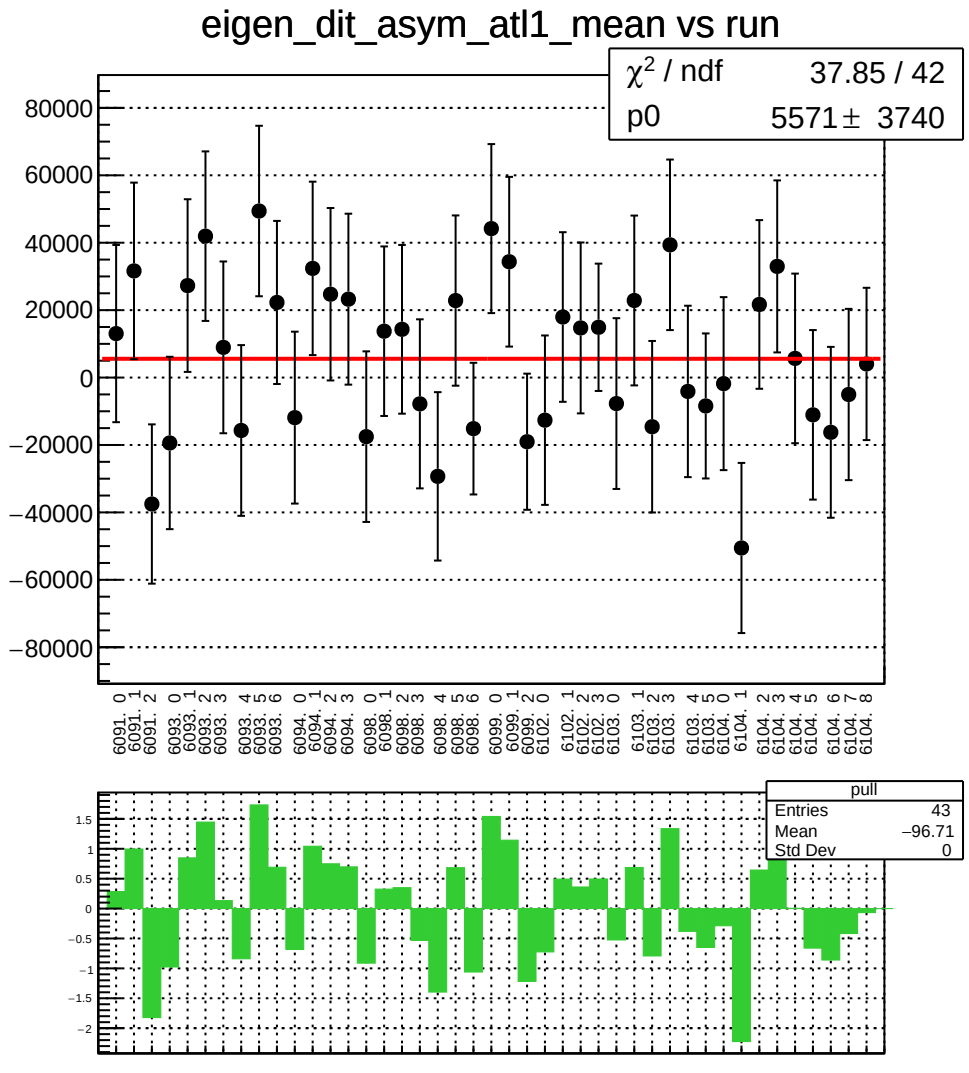

pull1D
Entries 43
Mean 0.0168
Std Dev 0.938
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

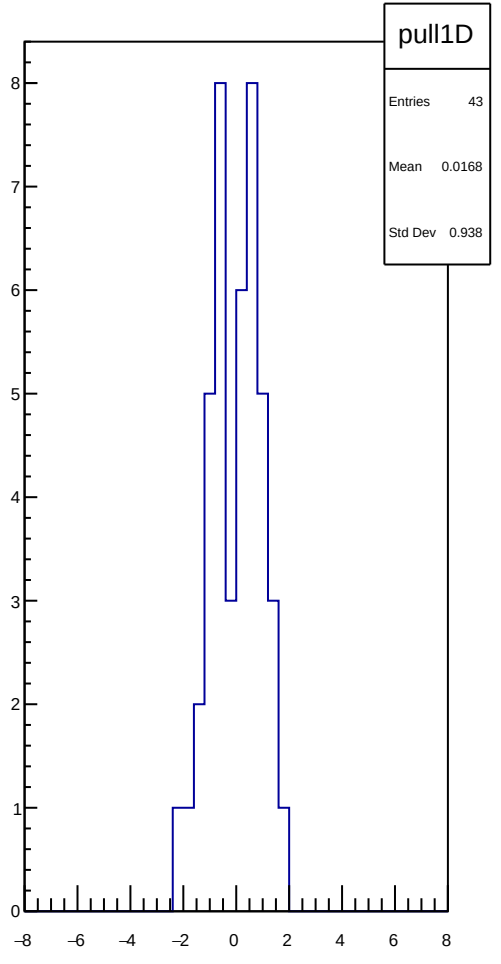

dit_asym_atl1_rms vs run
χ² / ndf 113.1 / 42
p0 2406 ± 2.644
2520
2500
2480
2460
2440
2420
2400
2380
2360
2340
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

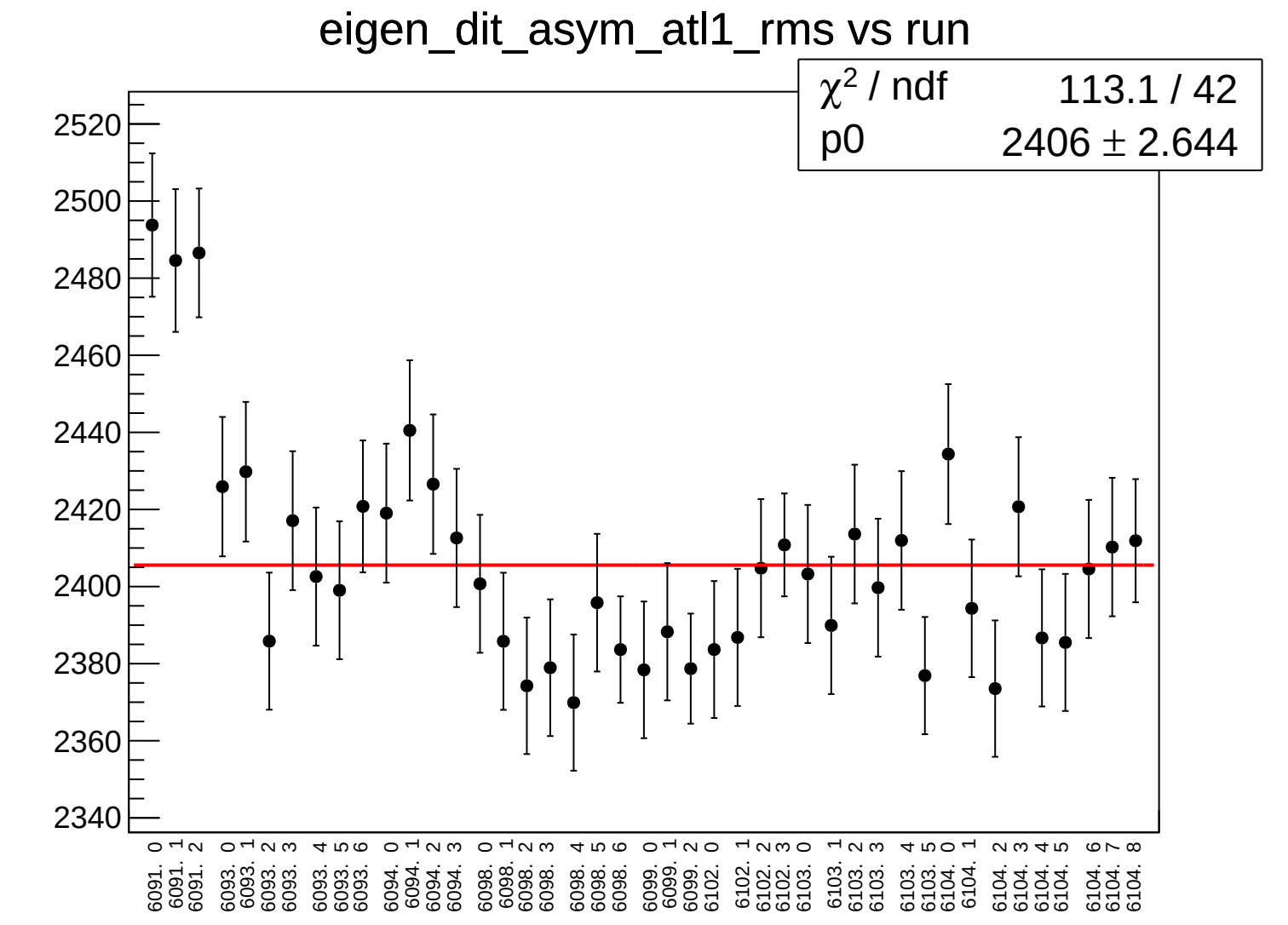

asym_atl1_dit_correction_mean vs run
χ² / ndf 37.6 / 42
p0 449.9 ± 1443
30000
20000
10000
0
−10000
−20000
−30000
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean −98.62
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

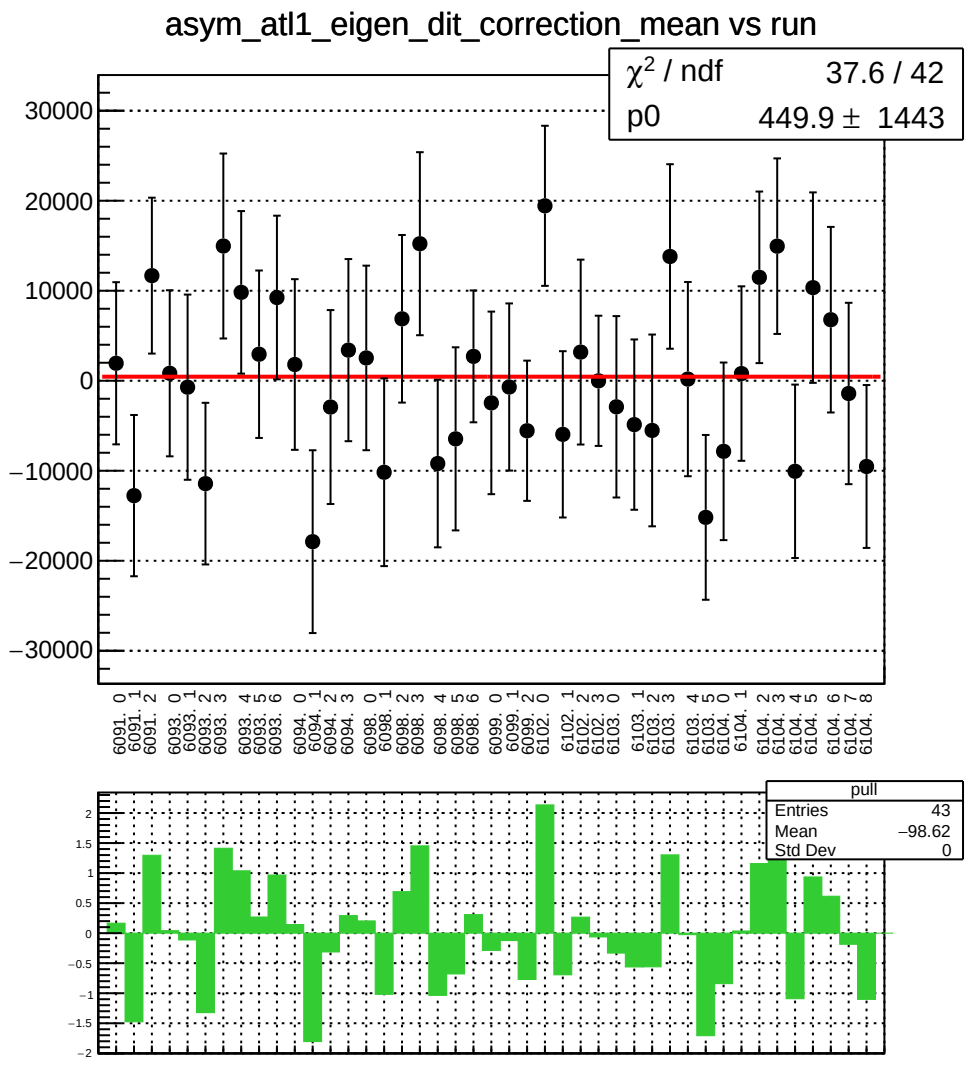

pull1D
Entries 43
Mean 0.002586
Std Dev 0.9351
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

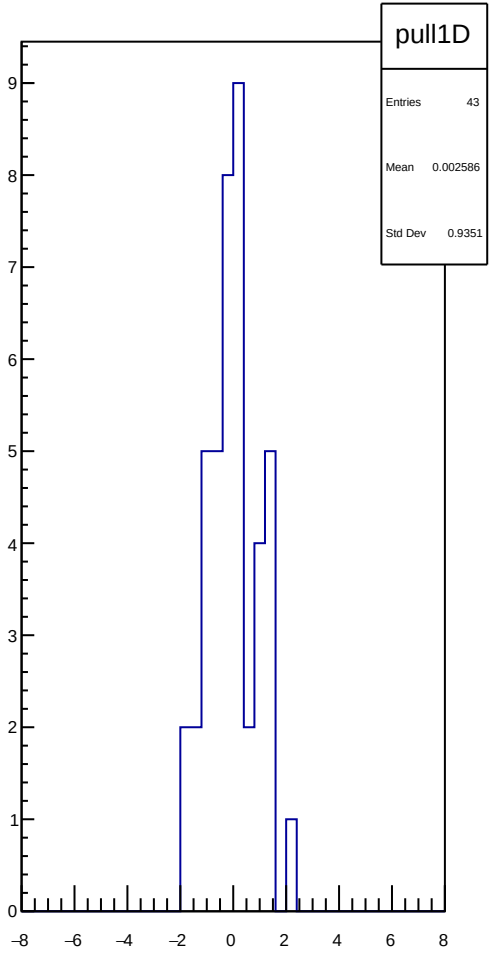

asym_atl1_dit_correction_rms vs run
χ² / ndf 2379 / 42
p0 926.9 ± 1.02
1050
1000
950
900
850
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

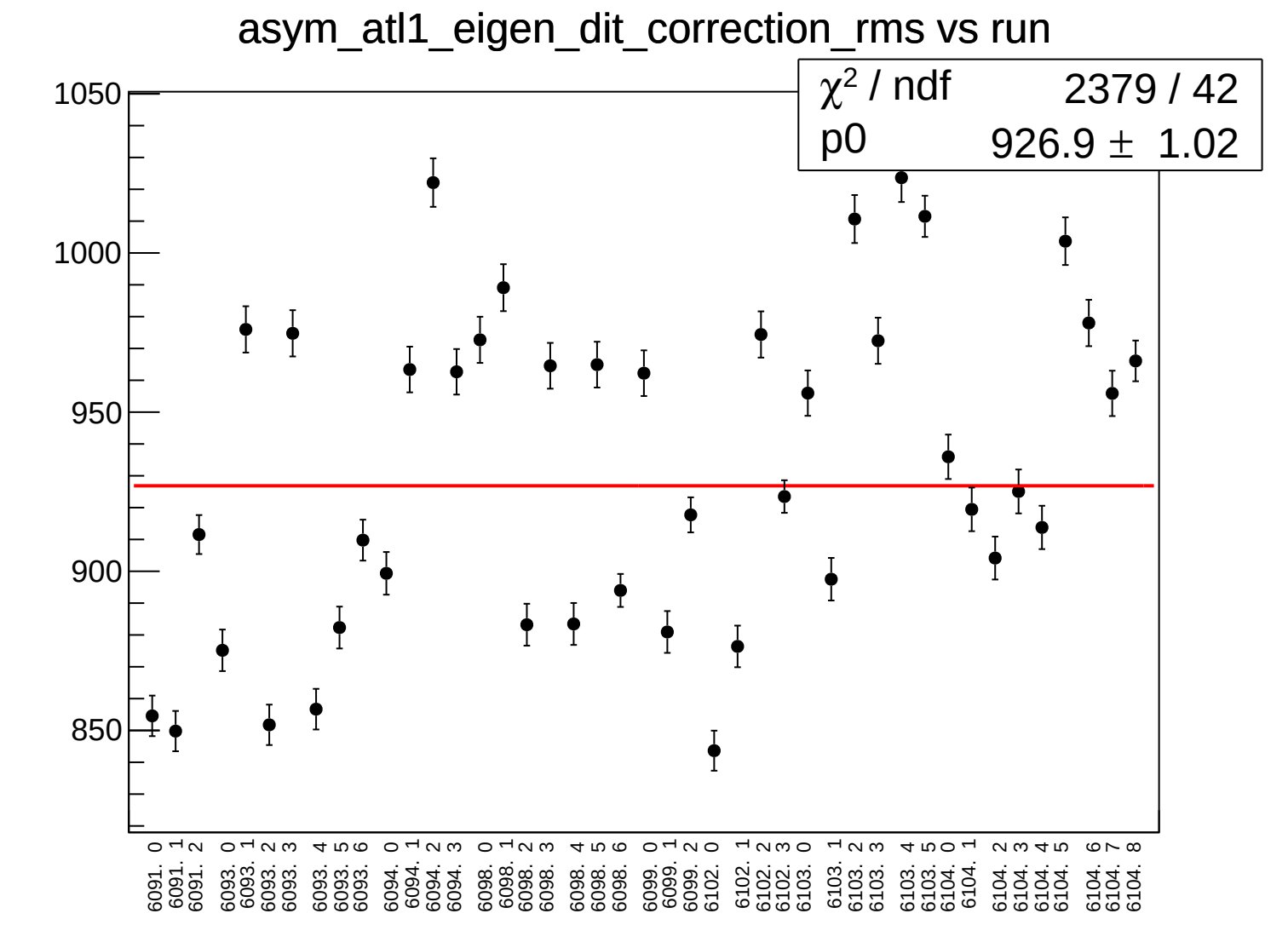

eigen_dit_asym_atl1_mean vs run
χ² / ndf 37.85 / 42
p0 5571 ± 3740
pull
Entries 43
Mean −96.71
Std Dev 0

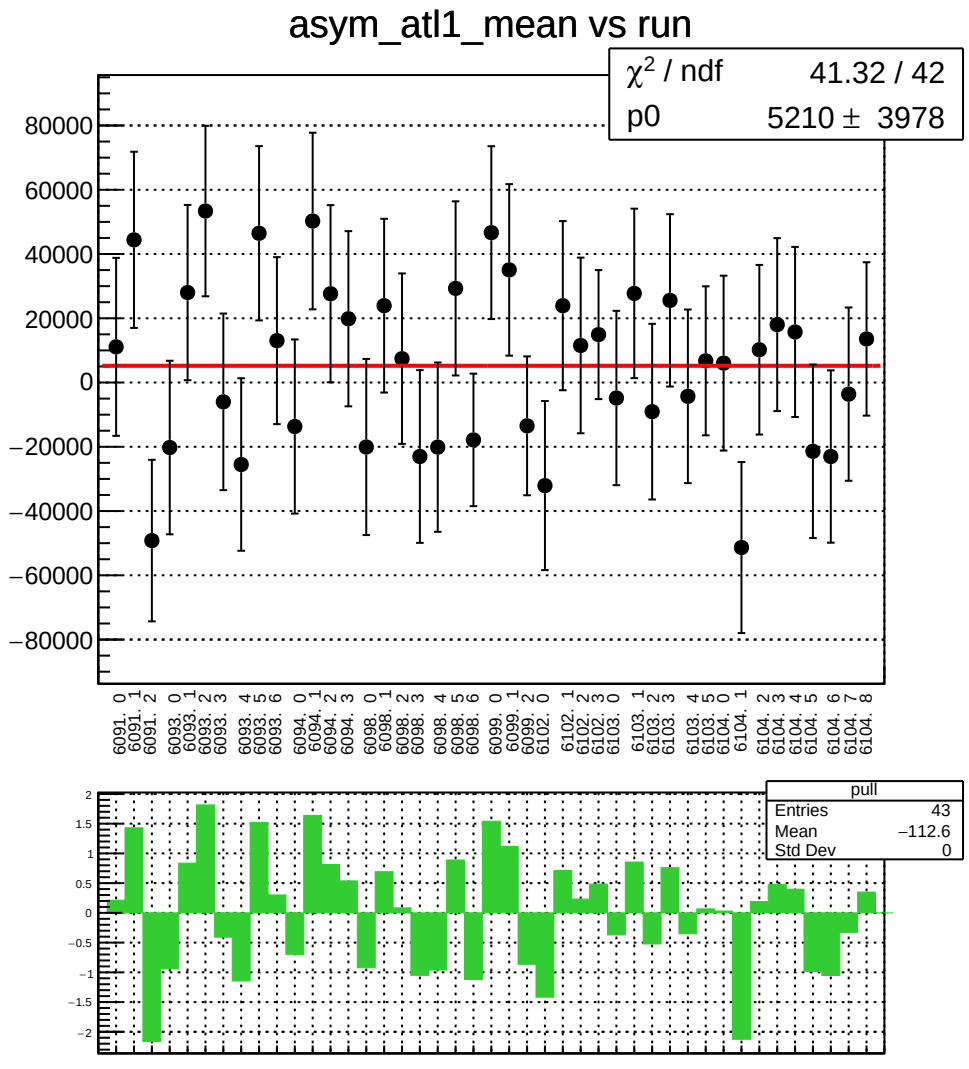

pull1D
Entries 43
Mean 0.0168
Std Dev 0.938

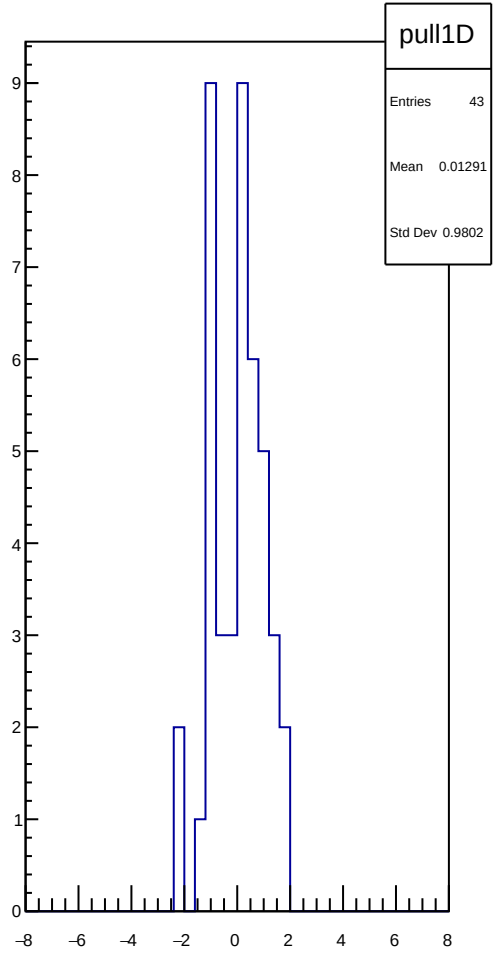

eigen_dit_asym_atl1_rms vs run
χ² / ndf 113.1 / 42
p0 2406 ± 2.644
2520
2500
2480
2460
2440
2420
2400
2380
2360
2340
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

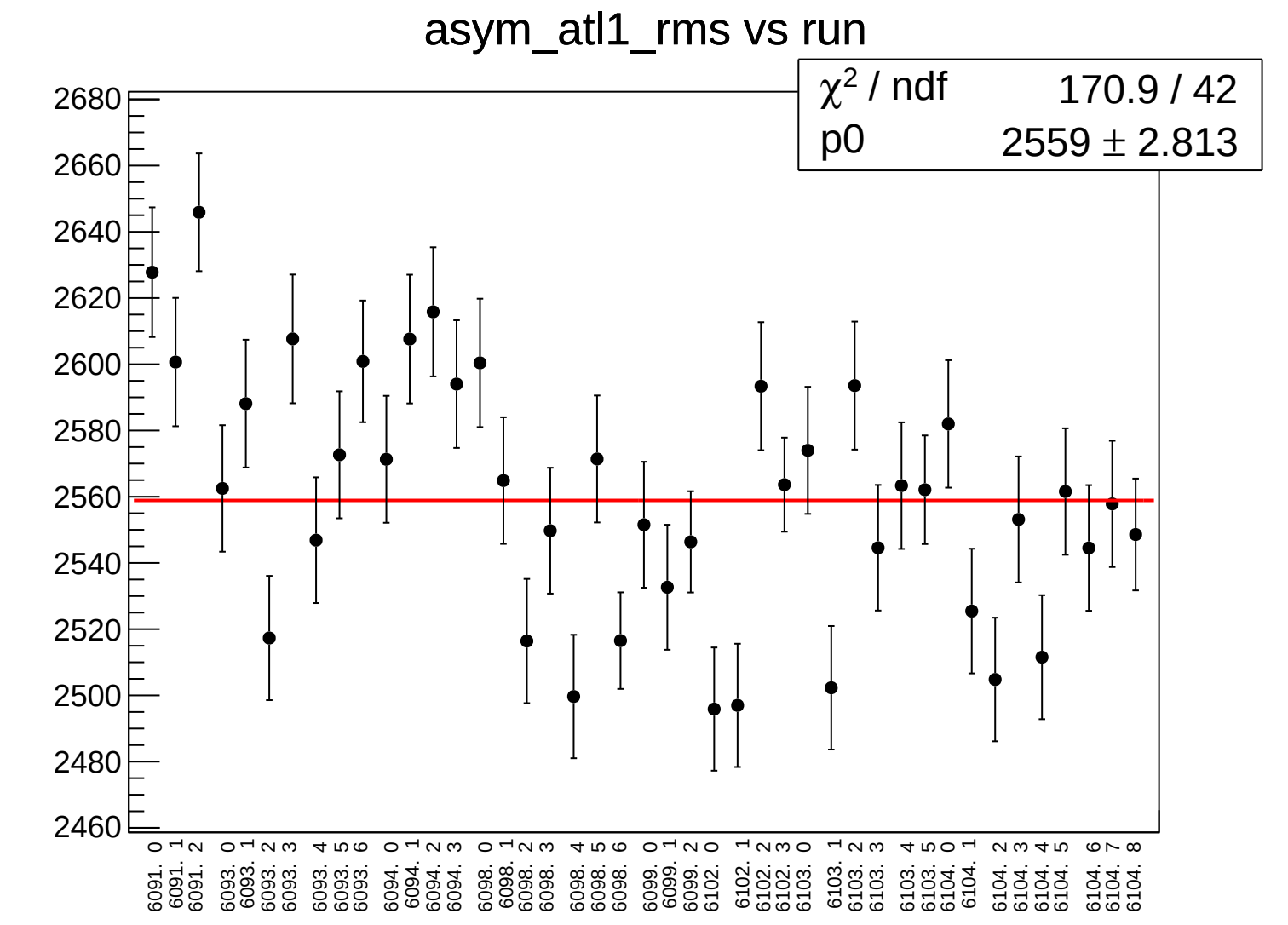

asym_atl1_eigen_dit_correction_mean vs run
χ² / ndf 37.6 / 42
p0 449.9 ± 1443
30000
20000
10000
0
−10000
−20000
−30000
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean −98.62
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

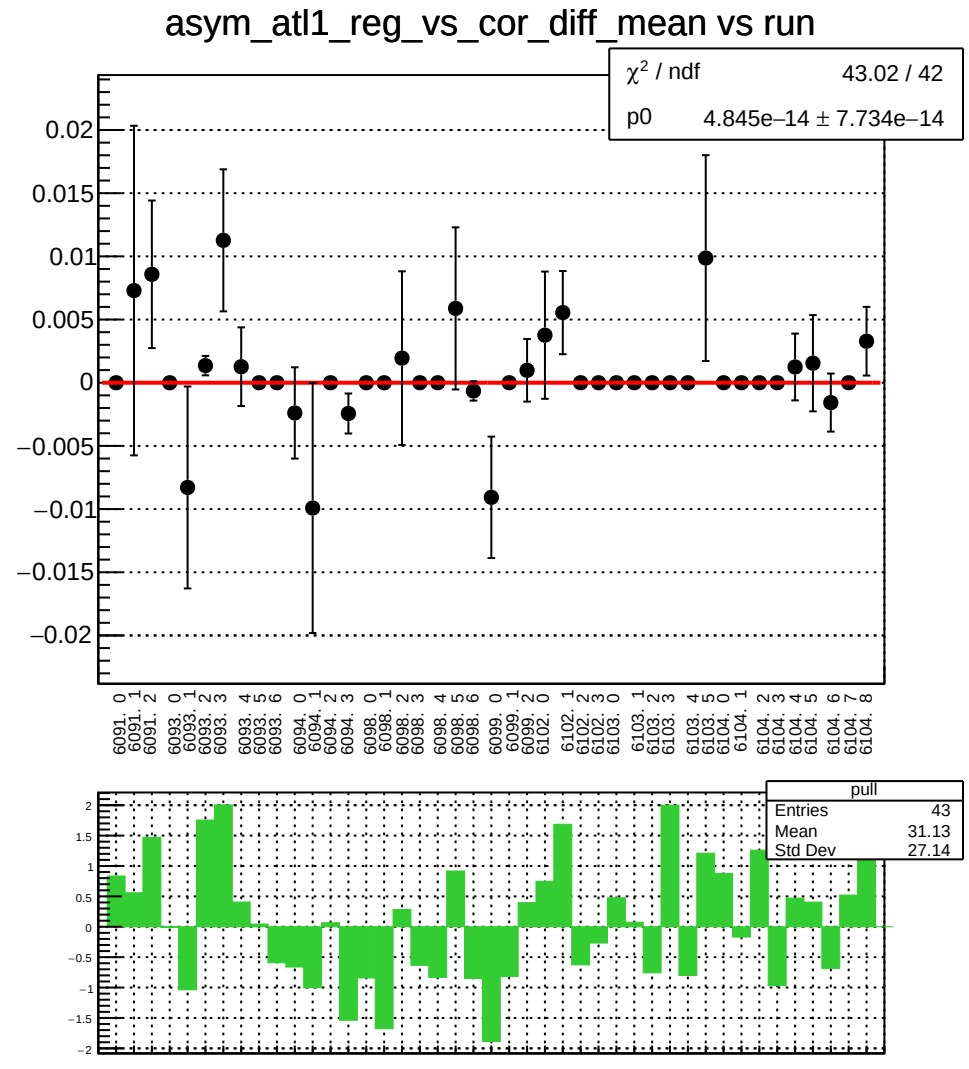

pull1D
Entries 43
Mean 0.002586
Std Dev 0.9351
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

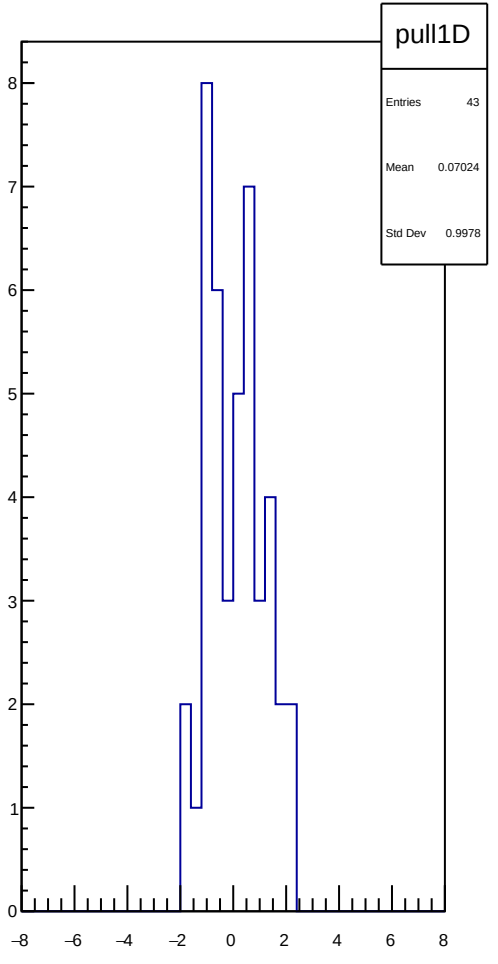

asym_atl1_eigen_dit_correction_rms vs run
χ² / ndf 2379 / 42
p0 926.9 ± 1.02
1050
1000
950
900
850
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

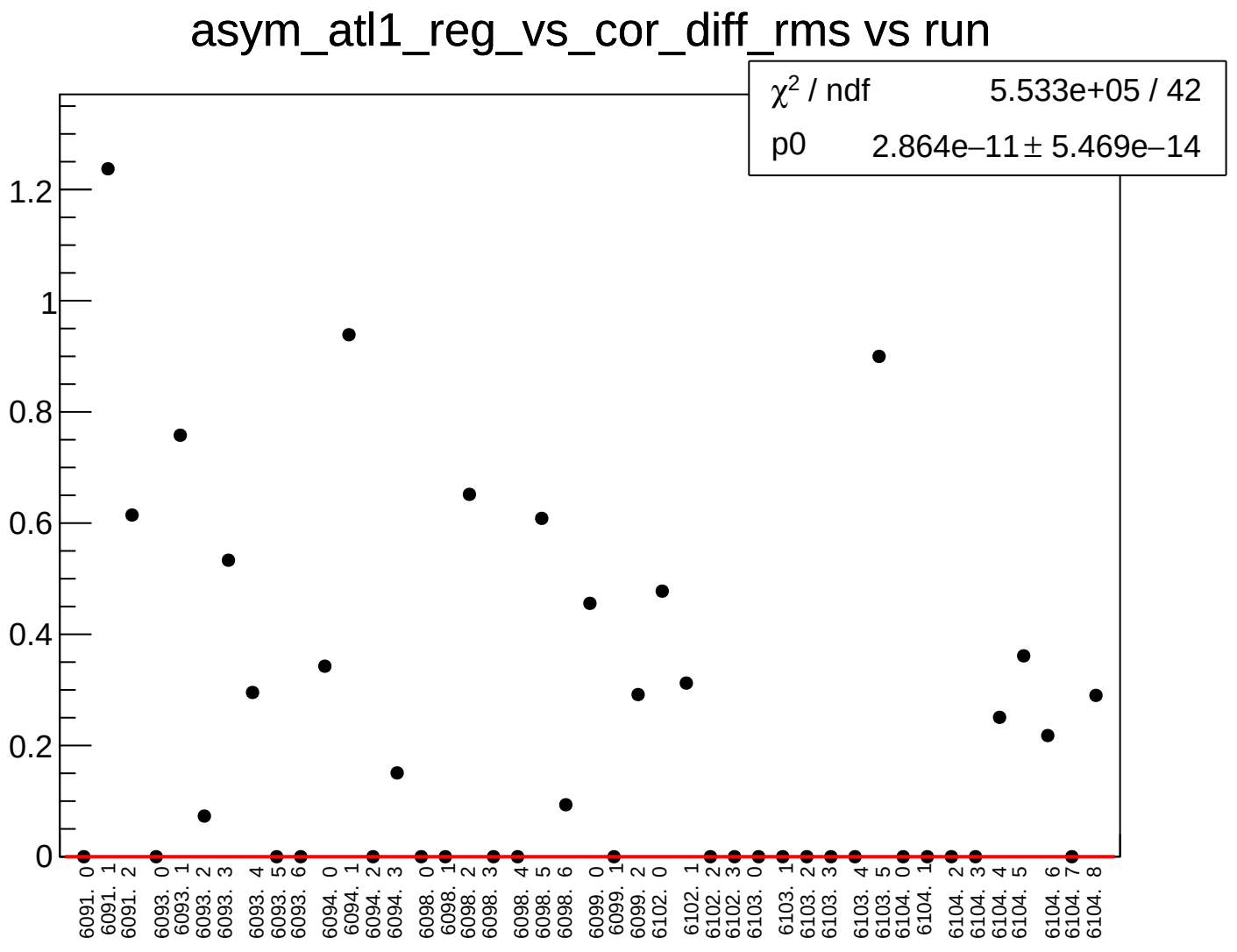

asym_atl1_mean vs run
χ² / ndf 41.32 / 42
p0 5210 ± 3978
80000
60000
40000
20000
0
−20000
−40000
−60000
−80000
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean −112.6
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

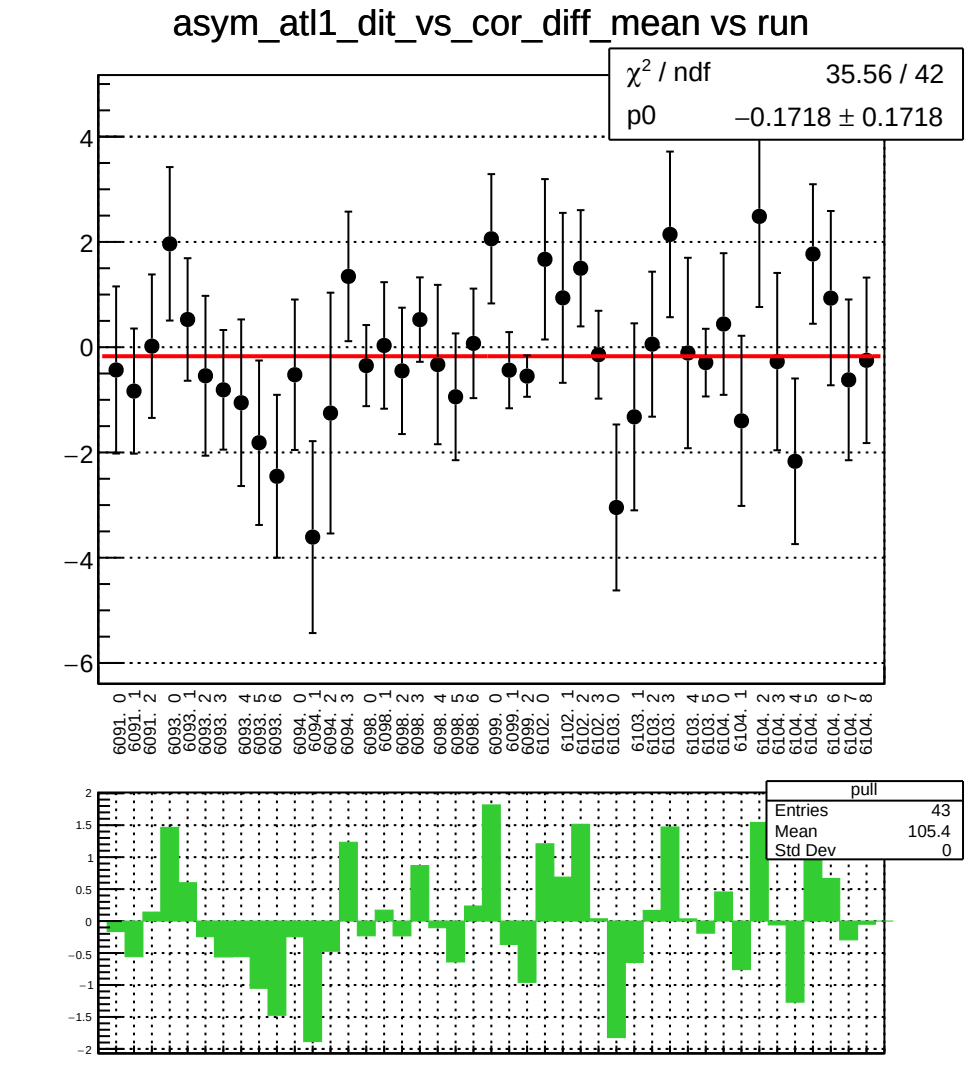

pull1D
Entries 43
Mean 0.01291
Std Dev 0.9802
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

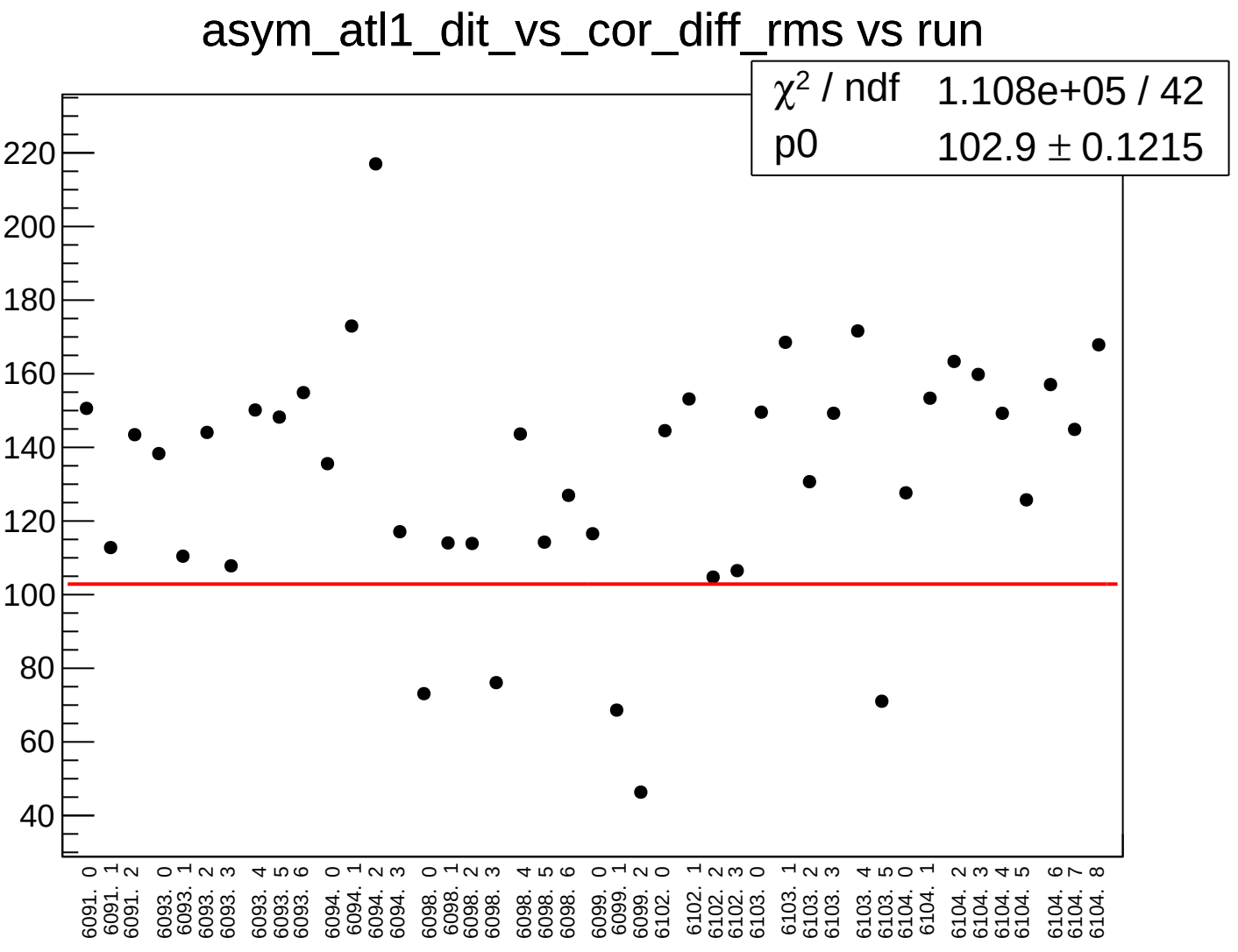

asym_atl1_rms vs run
χ² / ndf 170.9 / 42
p0 2559 ± 2.813
2680
2660
2640
2620
2600
2580
2560
2540
2520
2500
2480
2460
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

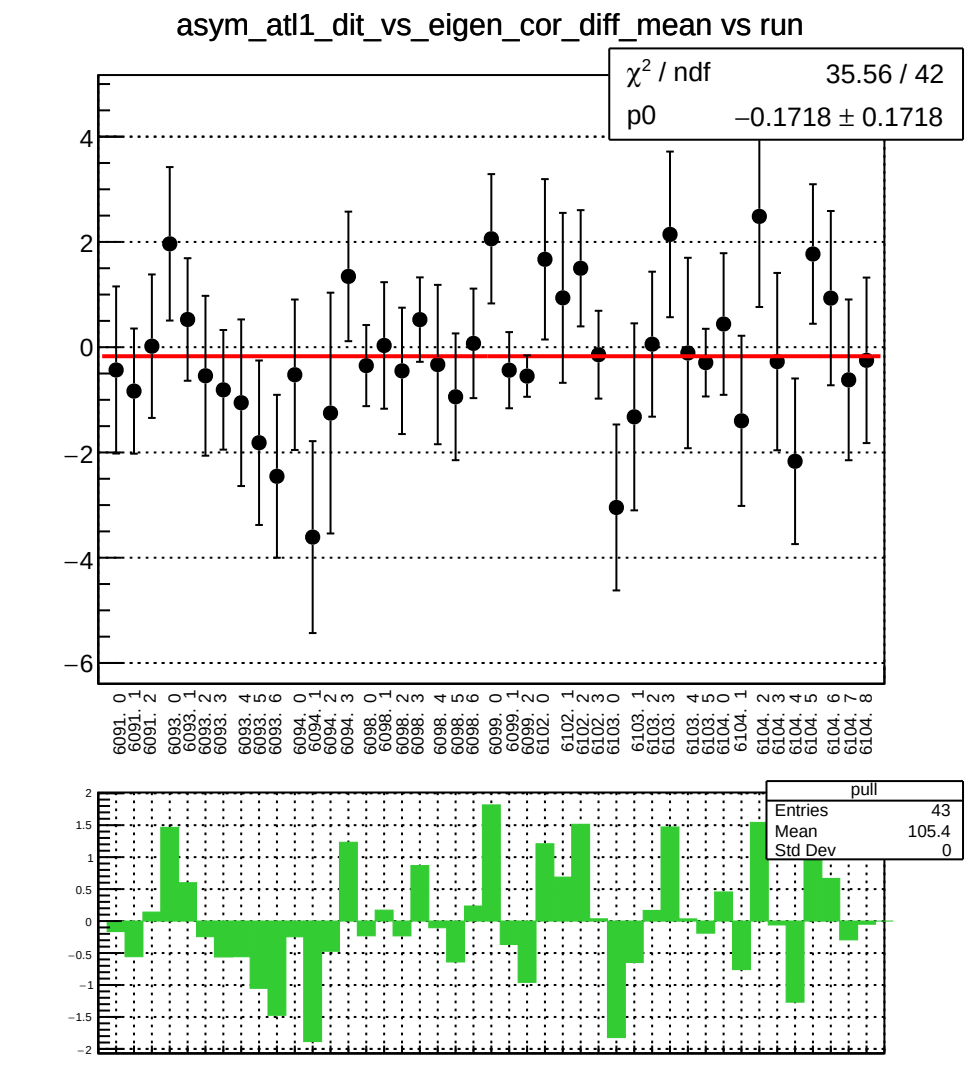

asym_atl1_reg_vs_cor_diff_mean vs run
χ² / ndf 43.02 / 42
p0 4.845e−14 ± 7.734e−14
0.02
0.015
0.01
0.005
0
−0.005
−0.01
−0.015
−0.02
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 31.13
Std Dev 27.14
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

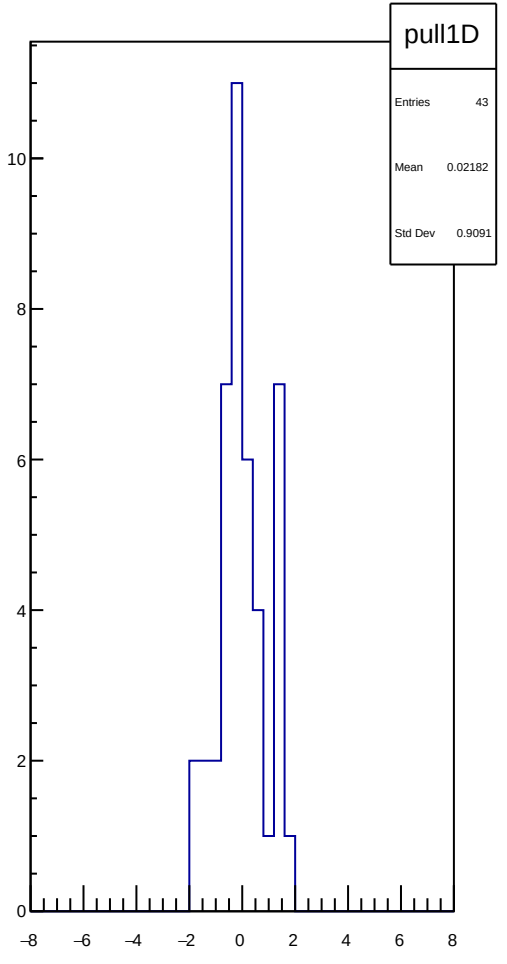

pull1D
Entries 43
Mean 0.07024
Std Dev 0.9978
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

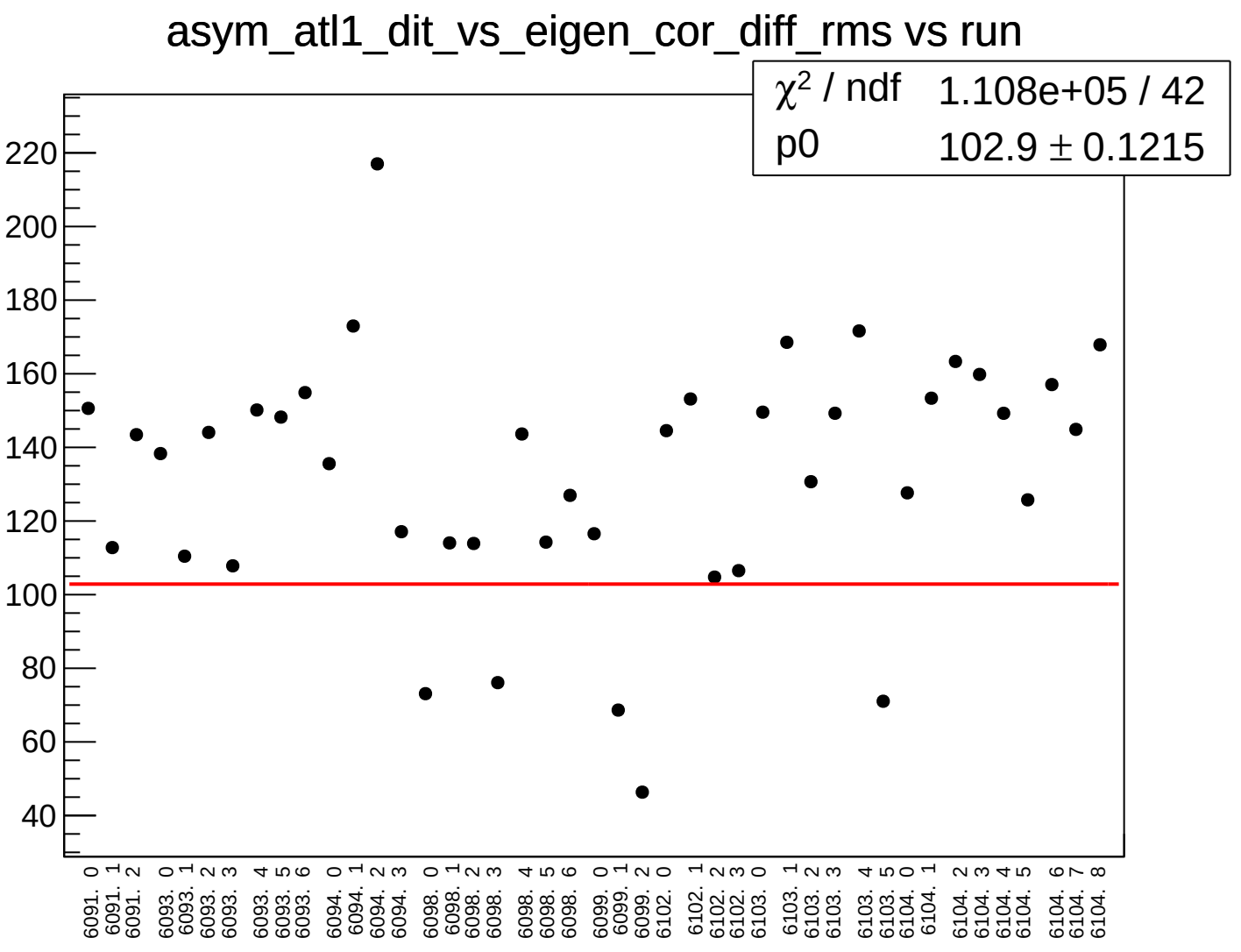

asym_atl1_reg_vs_cor_diff_rms vs run
χ² / ndf 5.533e+05 / 42
p0 2.864e−11 ± 5.469e−14
1.2
1
0.8
0.6
0.4
0.2
0
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

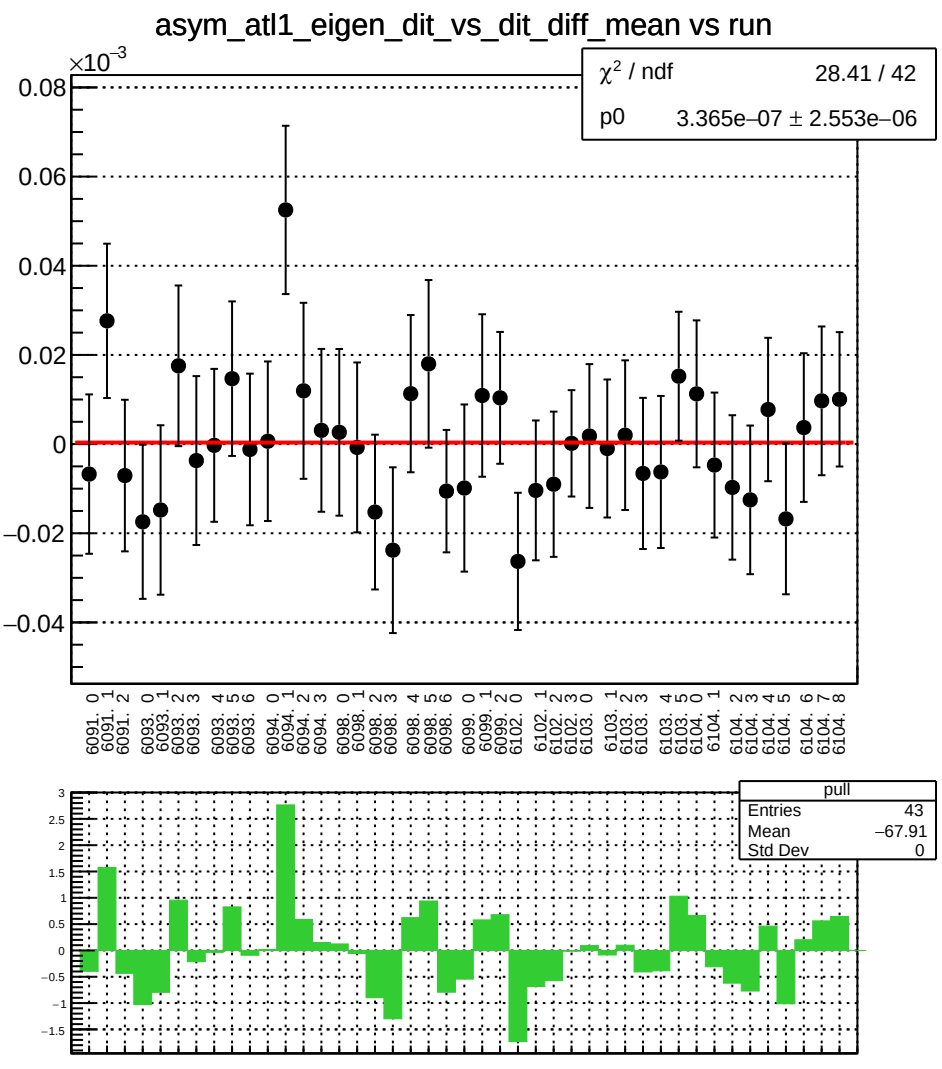

asym_atl1_dit_vs_cor_diff_mean vs run
χ² / ndf 35.56 / 42
p0 −0.1718 ± 0.1718
pull
Entries 43
Mean 105.4
Std Dev 0
pull1D
Entries 43
Mean 0.02182
Std Dev 0.9091

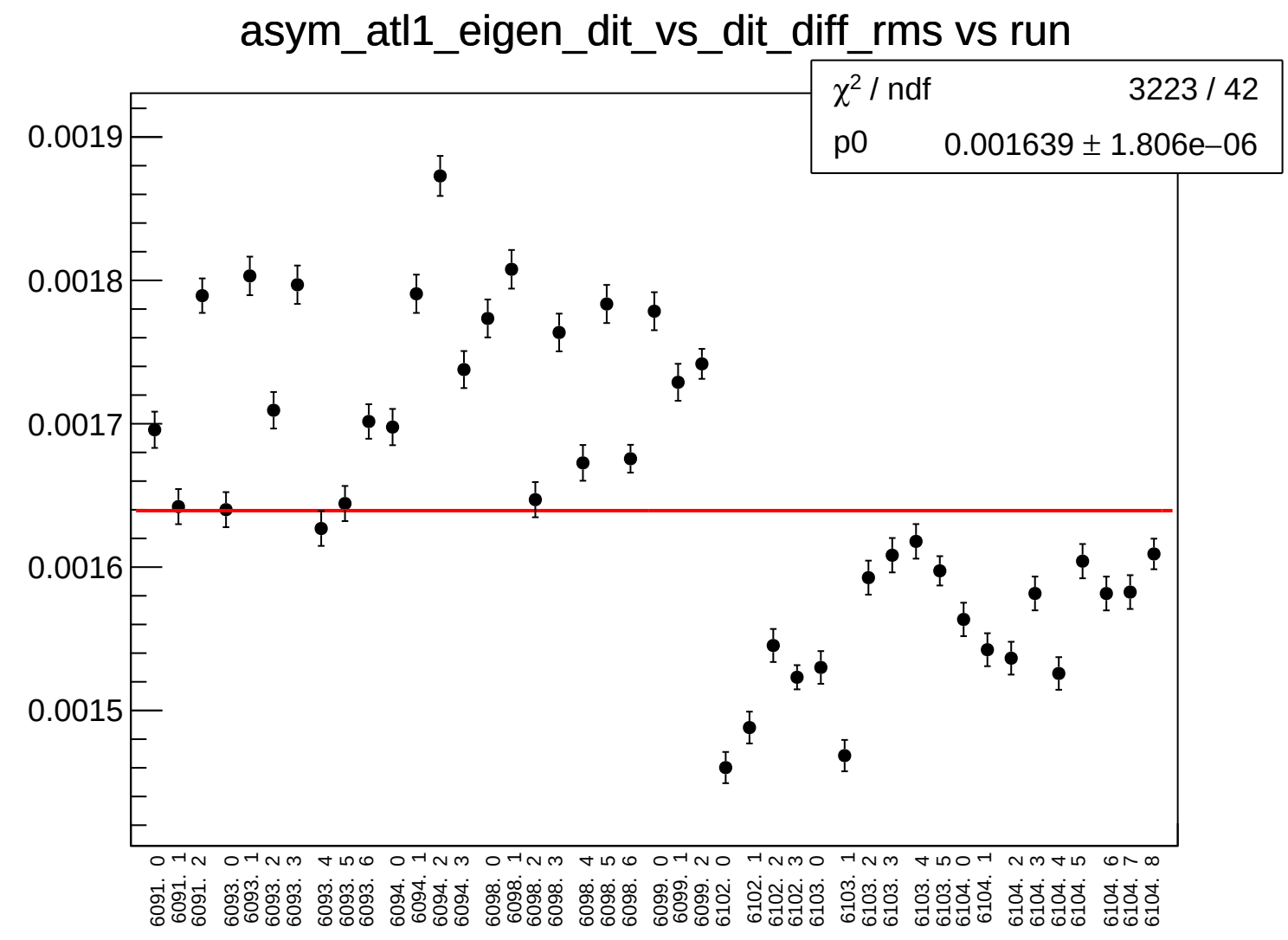

asym_atl1_dit_vs_cor_diff_rms vs run
χ² / ndf 1.108e+05 / 42
p0 102.9 ± 0.1215
220
200
180
160
140
120
100
80
60
40
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

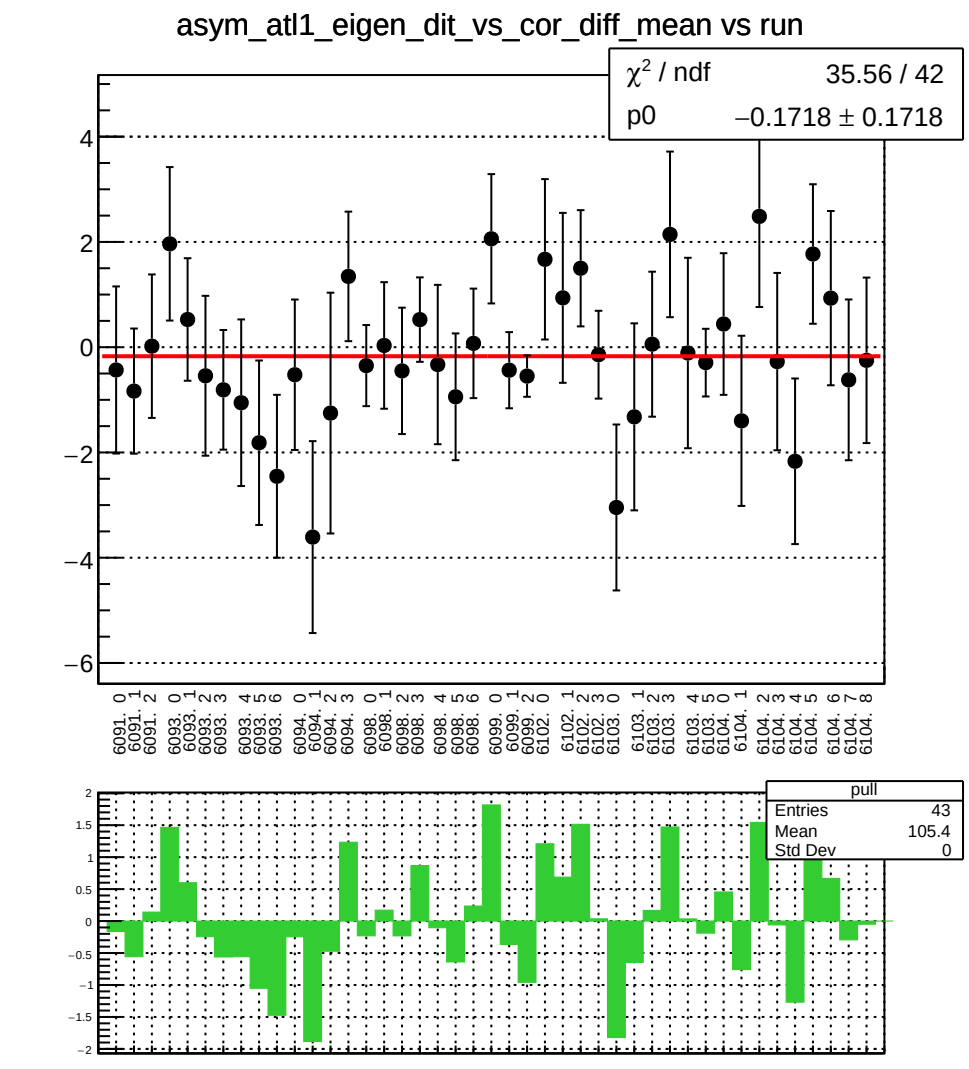

asym_atl1_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 35.56 / 42
p0 −0.1718 ± 0.1718
4
2
0
−2
−4
−6
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 105.4
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

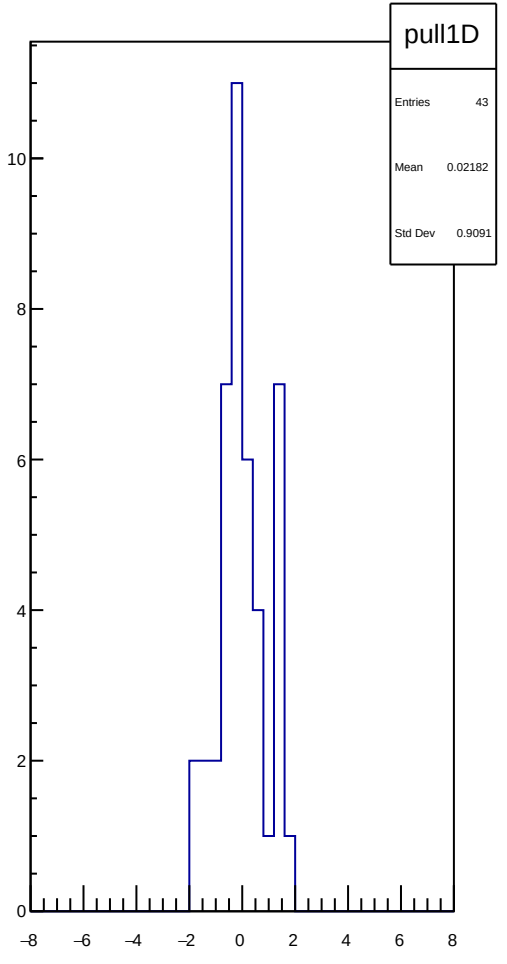

pull1D
Entries 43
Mean 0.02182
Std Dev 0.9091
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

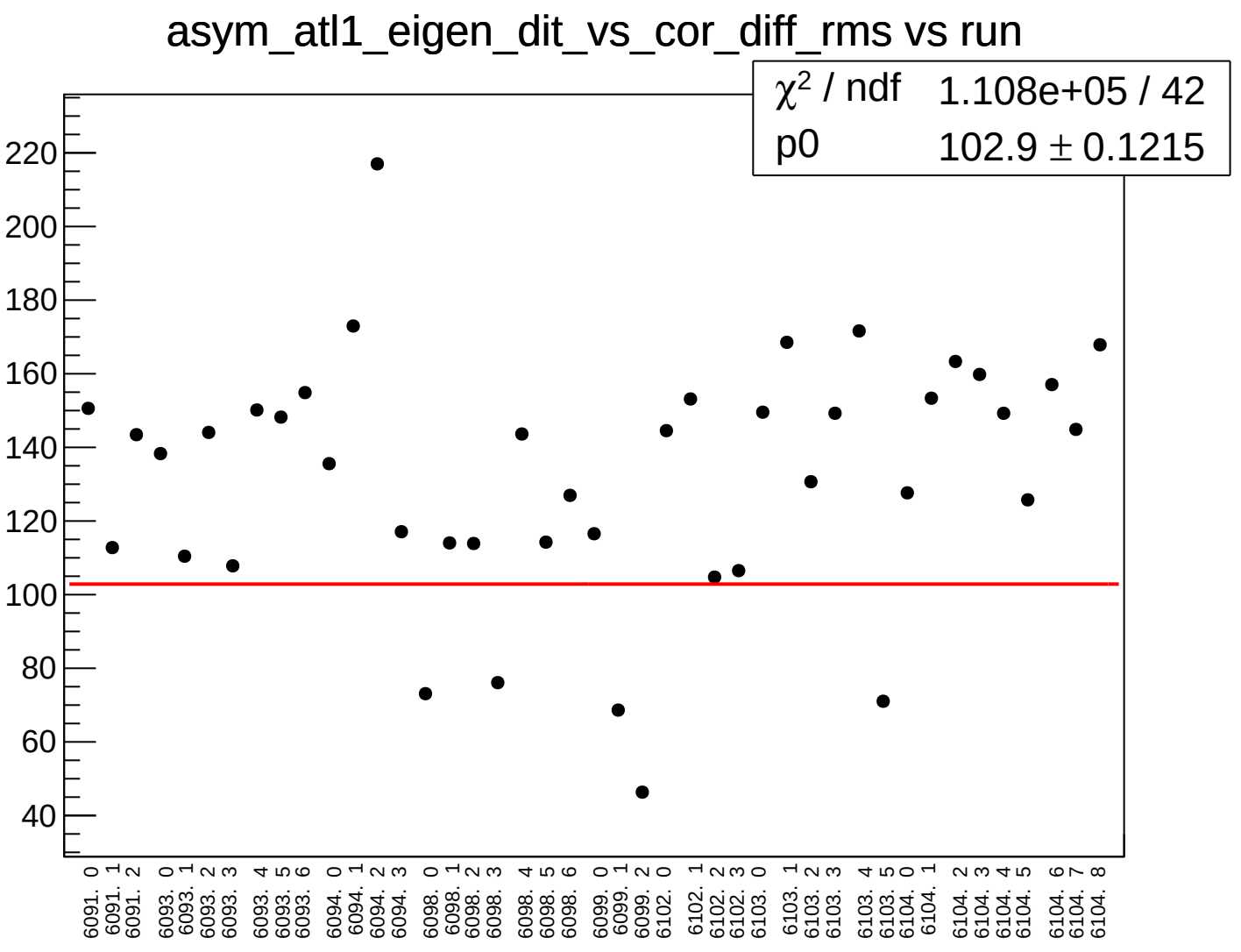

asym_atl1_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.108e+05 / 42
p0 102.9 ± 0.1215
220
200
180
160
140
120
100
80
60
40
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

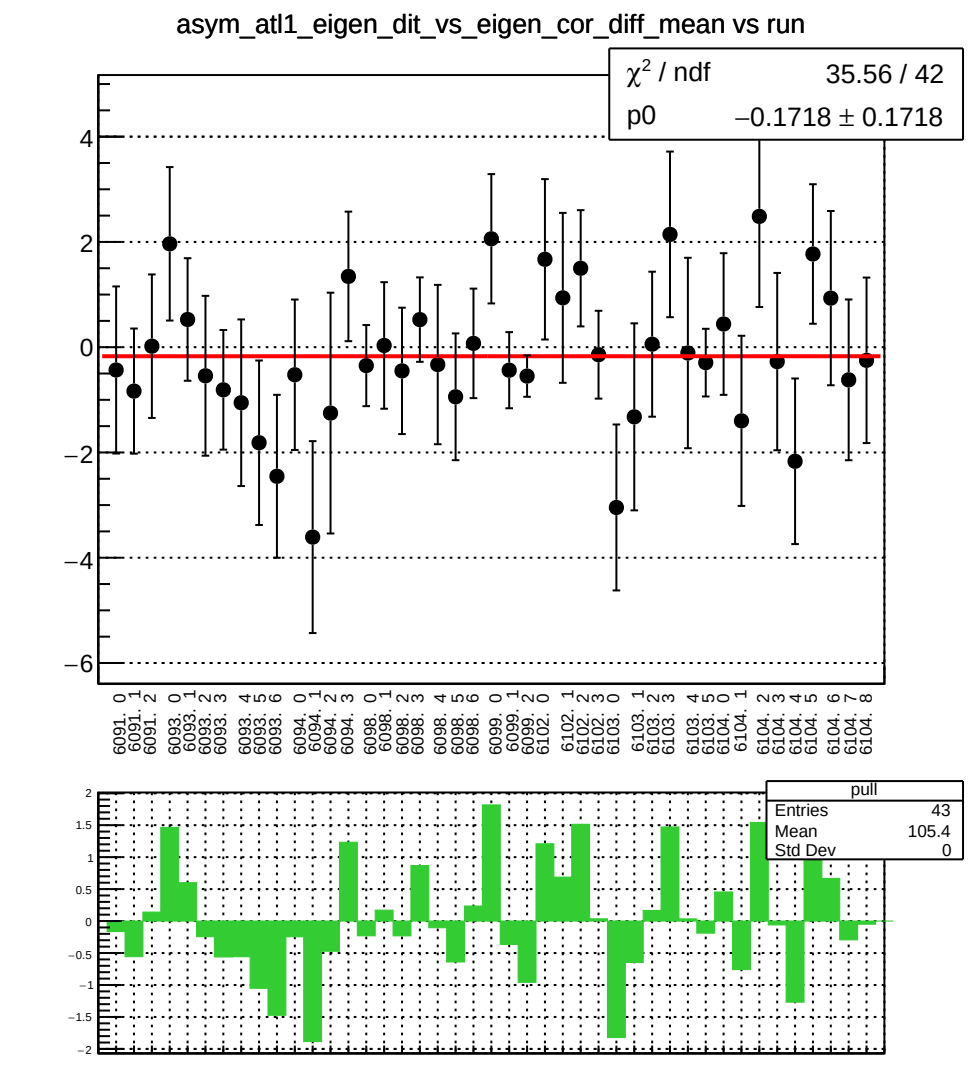

asym_atl1_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 28.41 / 42
p0 3.365e−07 ± 2.553e−06
0.08
0.06
0.04
0.02
0
−0.02
−0.04
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean −67.91
Std Dev 0
3
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 43
Mean 0.009254
Std Dev 0.8128
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

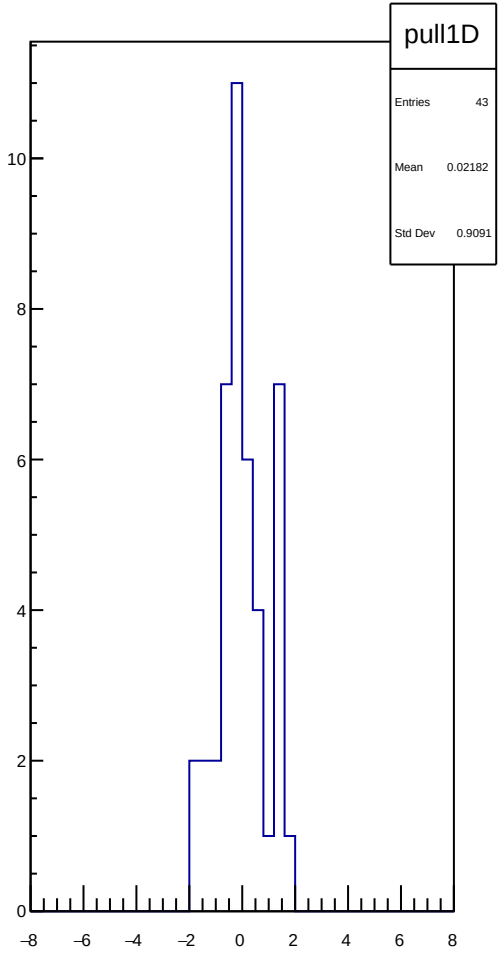

asym_atl1_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 3223 / 42
p0 0.001639 ± 1.806e−06
0.0019
0.0018
0.0017
0.0016
0.0015
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

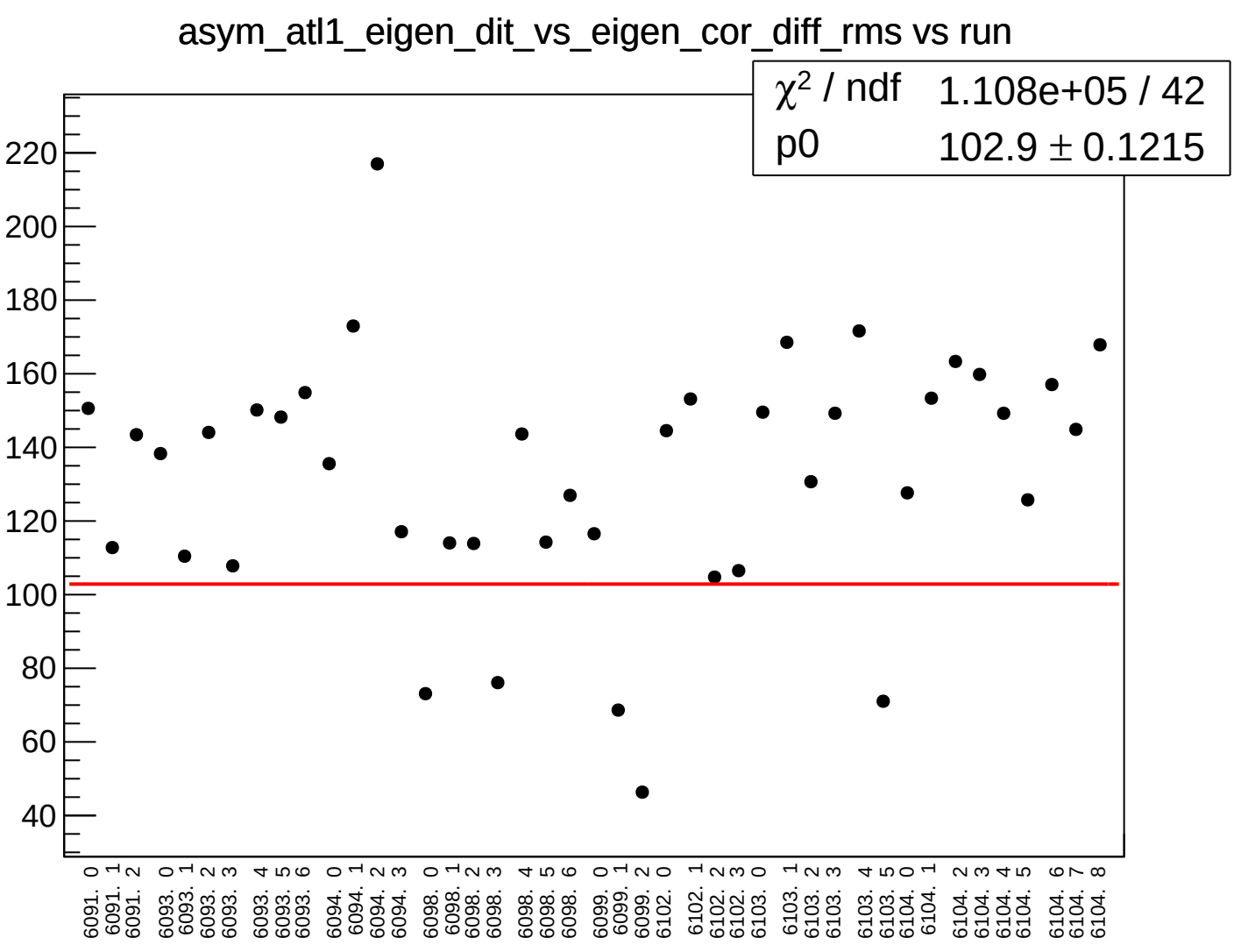

asym_atl1_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 35.56 / 42
p0 −0.1718 ± 0.1718
pull
Entries 43
Mean 105.4
Std Dev 0
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

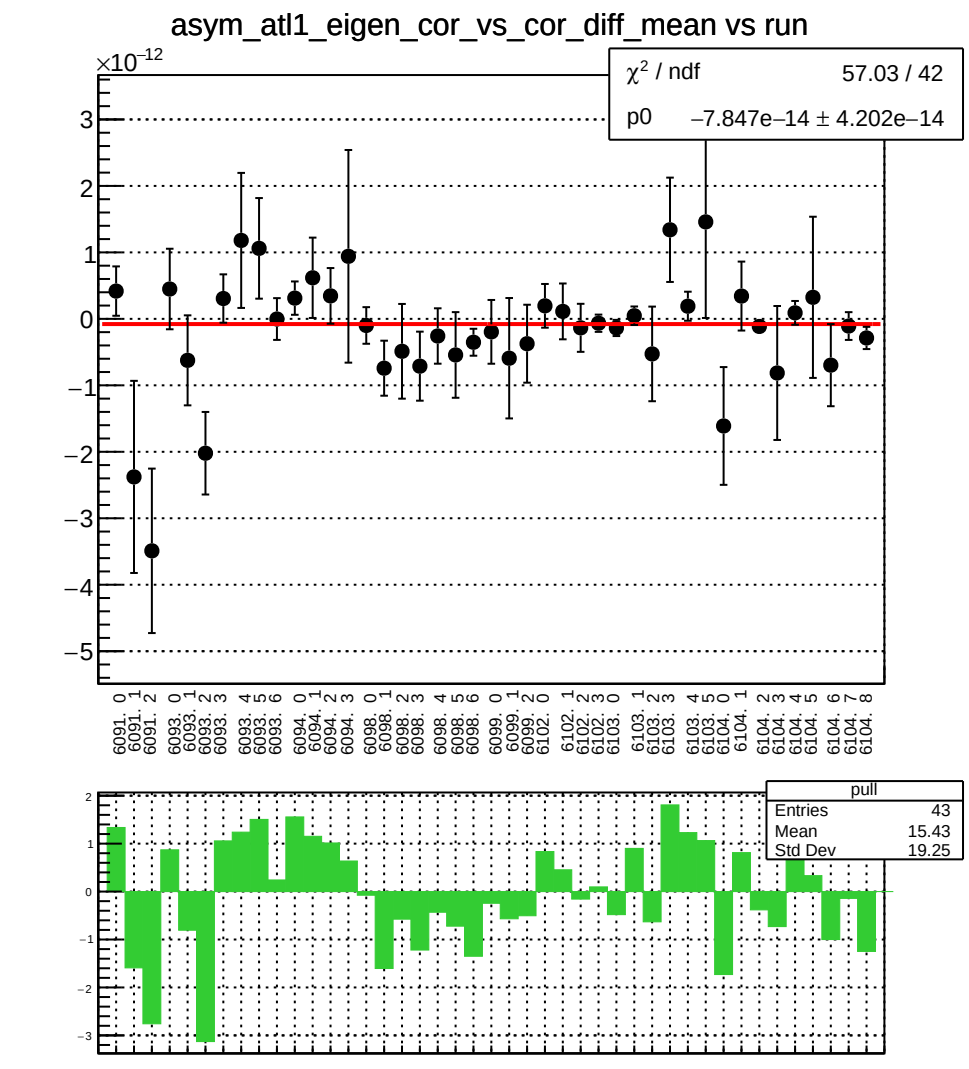

pull1D
Entries 43
Mean 0.02182
Std Dev 0.9091

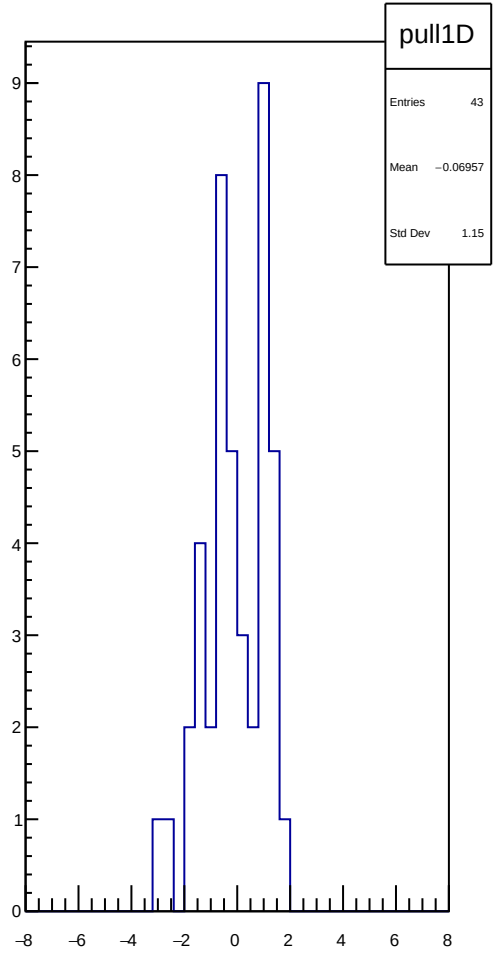

asym_atl1_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 1.108e+05 / 42
p0 102.9 ± 0.1215
220
200
180
160
140
120
100
80
60
40
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

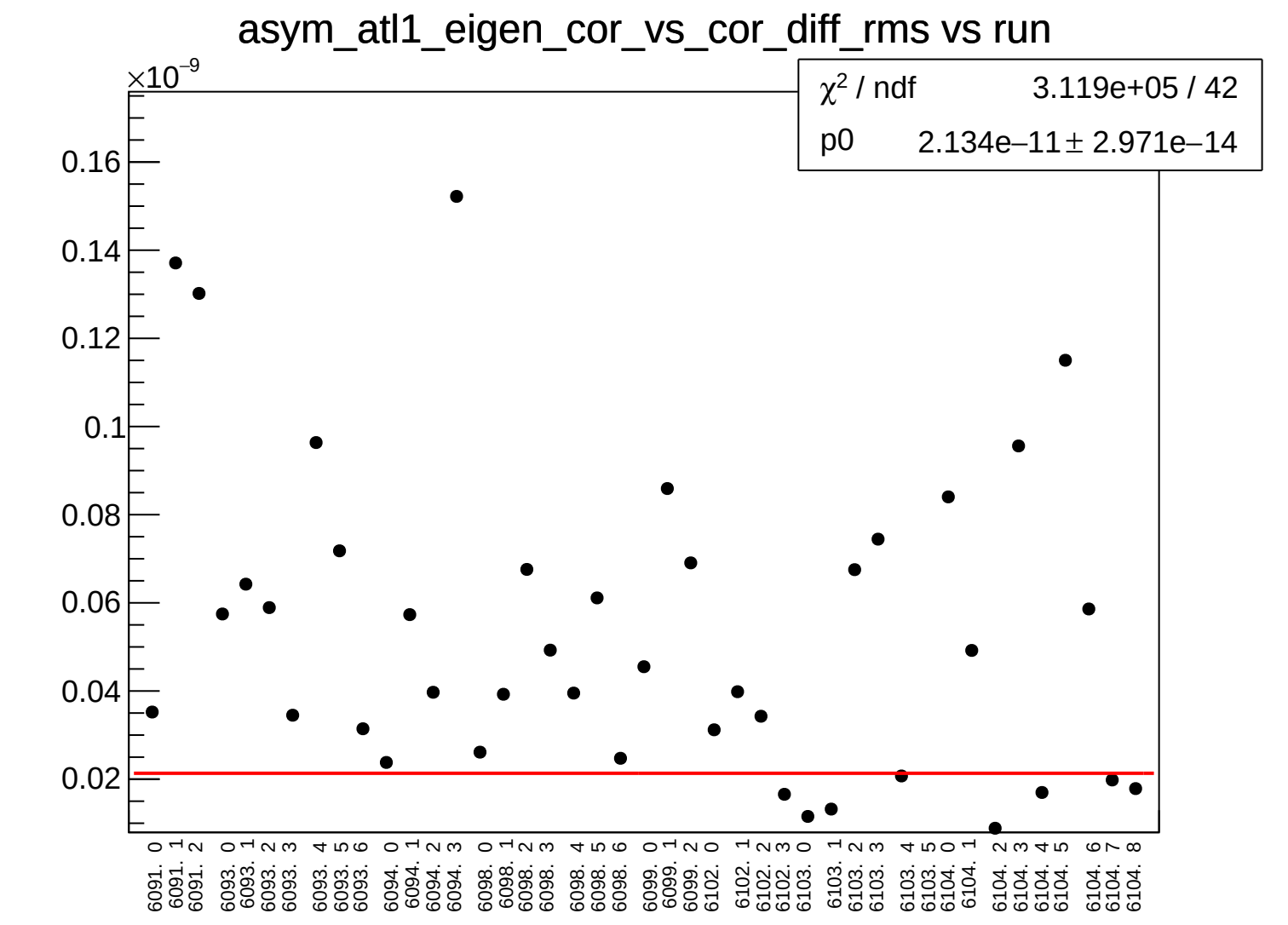

asym_atl1_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 35.56 / 42
p0 −0.1718 ± 0.1718
pull
Entries 43
Mean 105.4
Std Dev 0

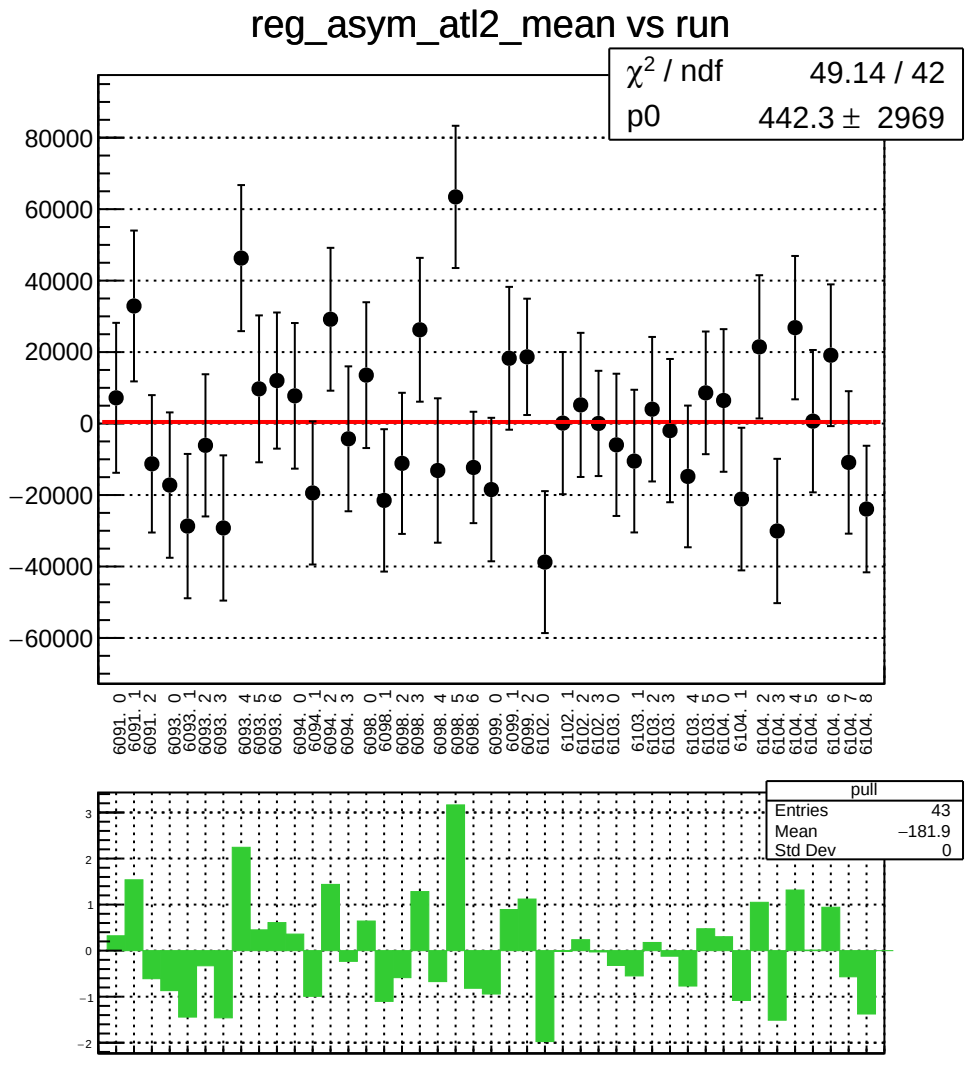

pull1D
Entries 43
Mean 0.02182
Std Dev 0.9091

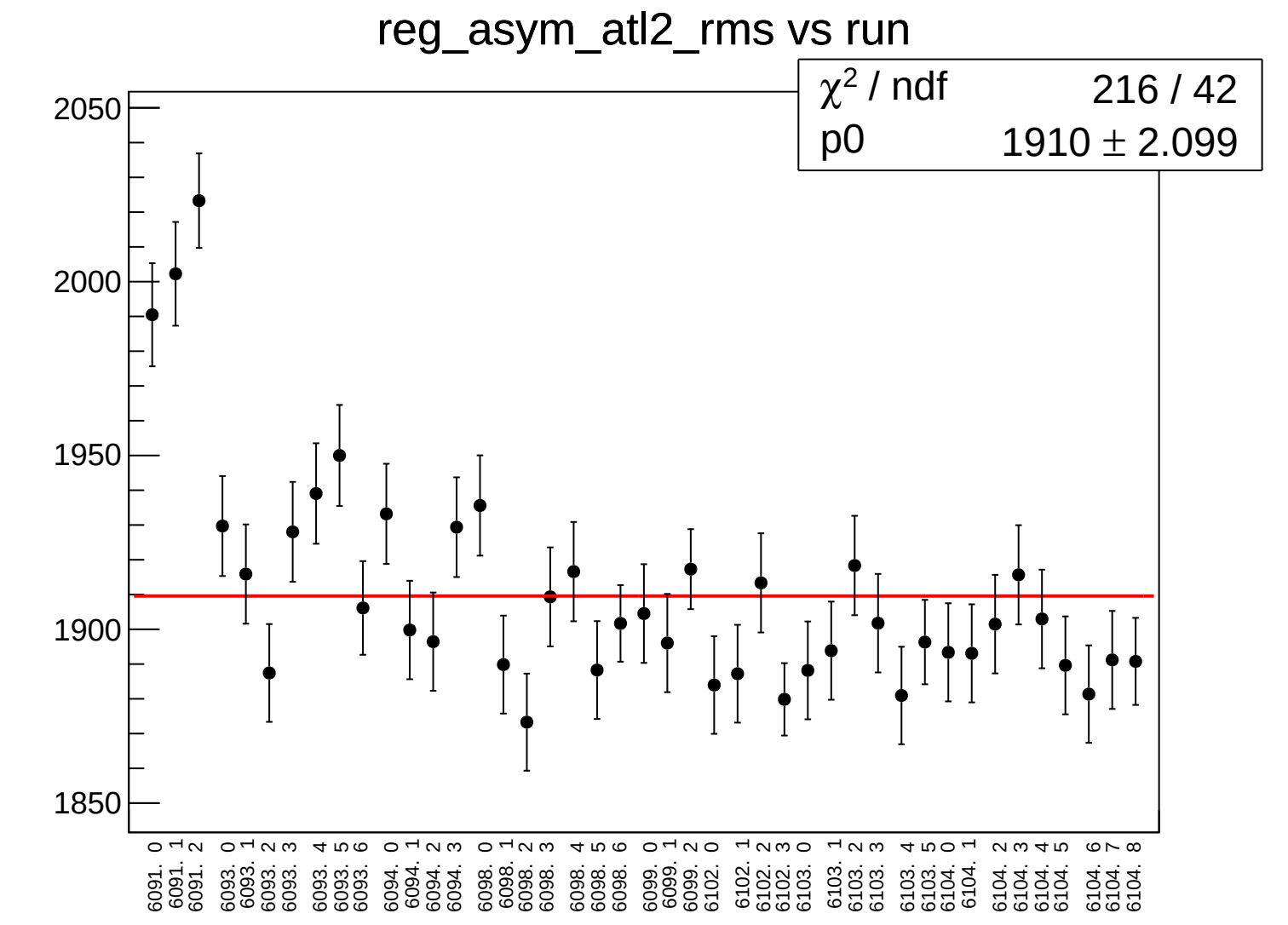

asym_atl1_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.108e+05 / 42
p0 102.9 ± 0.1215
220
200
180
160
140
120
100
80
60
40
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

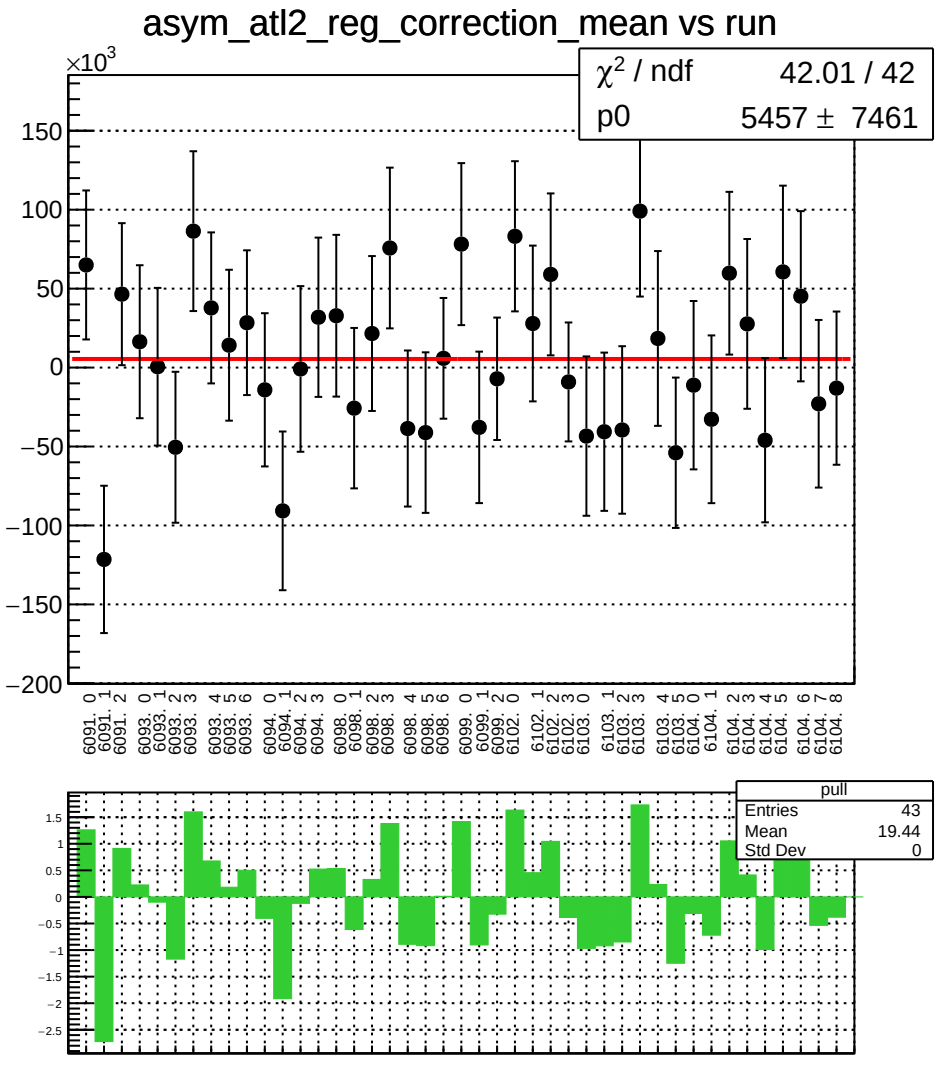

asym_atl1_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 57.03 / 42
p0 −7.847e−14 ± 4.202e−14
pull
Entries 43
Mean 15.43
Std Dev 19.25

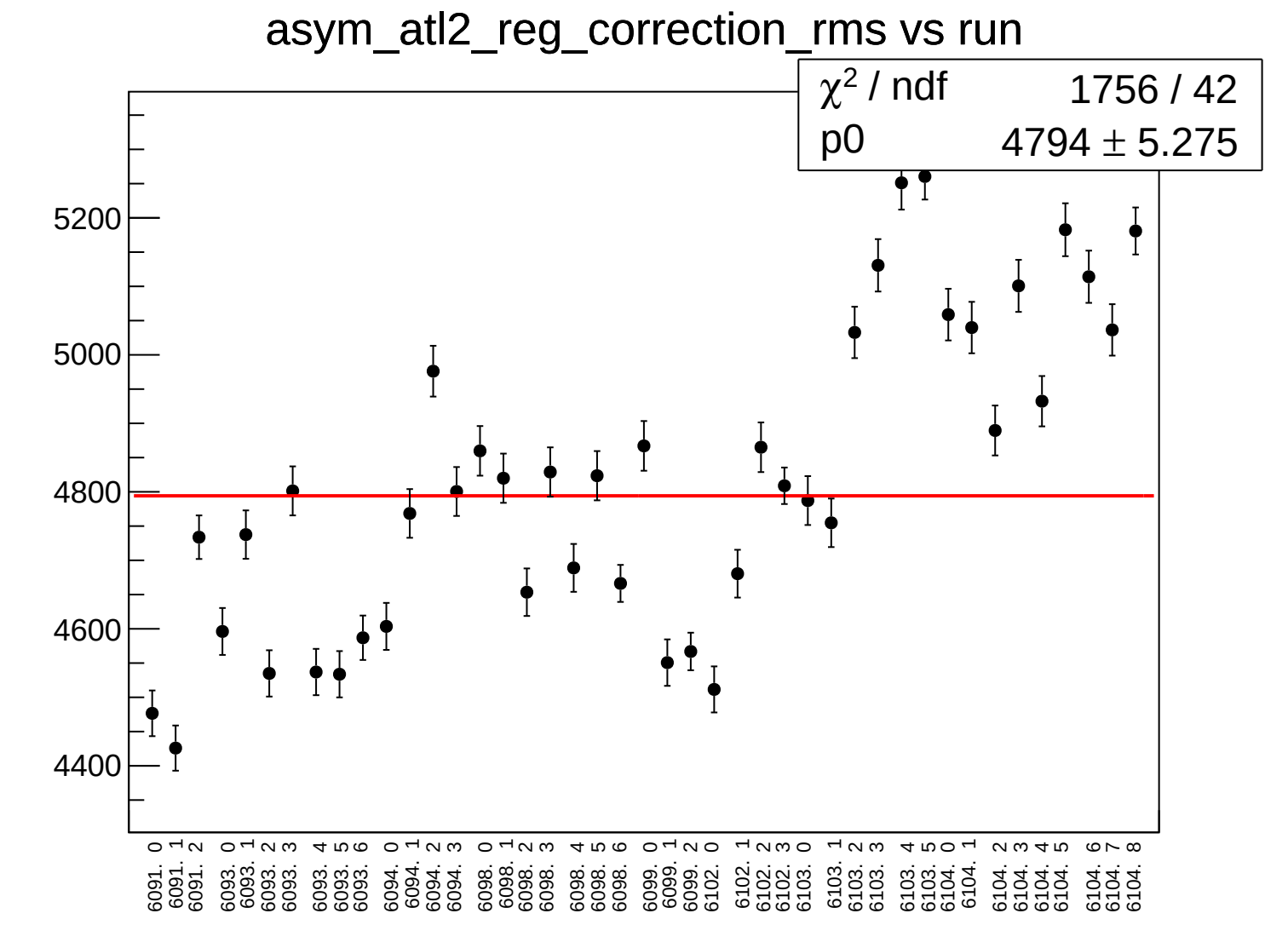

pull1D
Entries 43
Mean −0.06957
Std Dev 1.15

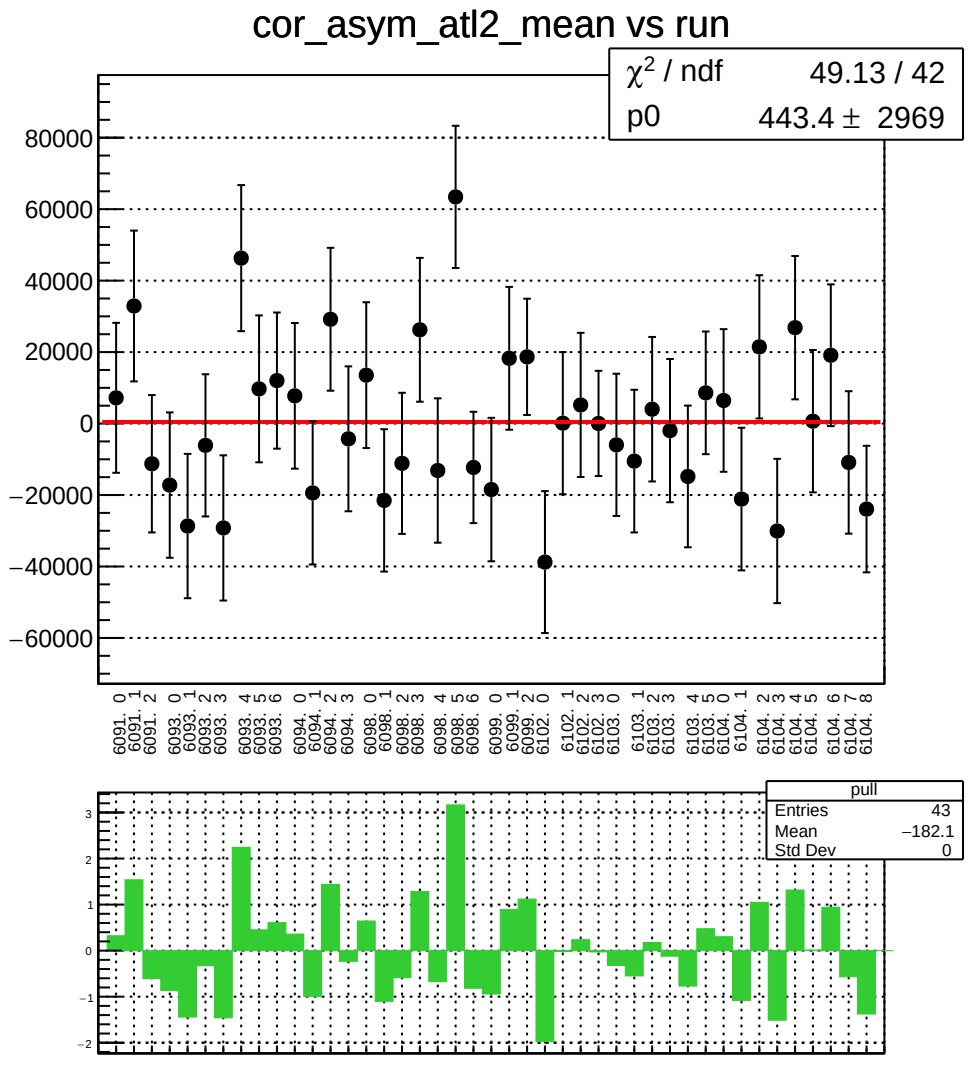

asym_atl1_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 3.119e+05 / 42
p0 2.134e−11 ± 2.971e−14
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

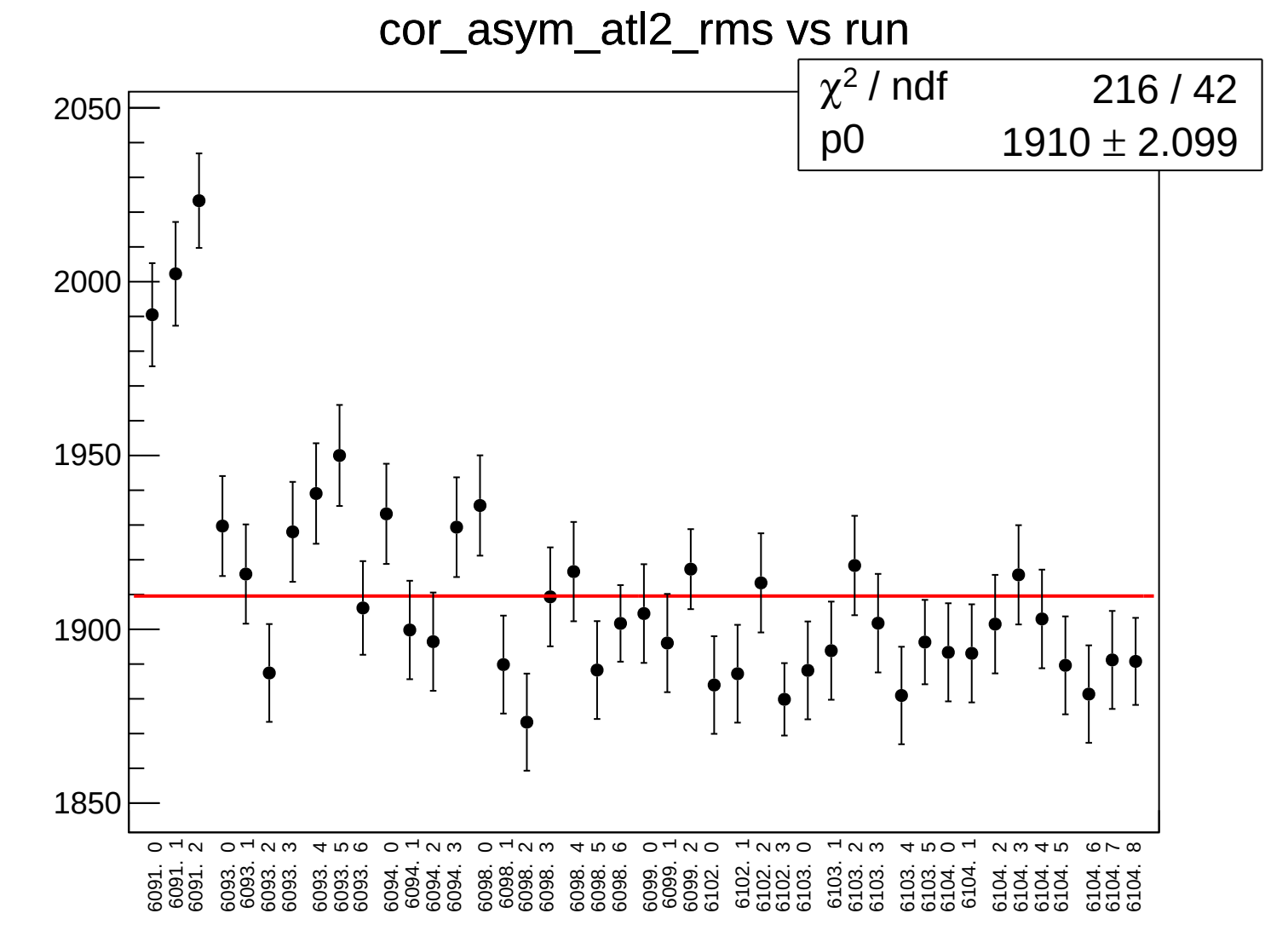

reg_asym_atl2_mean vs run
χ² / ndf 49.14 / 42
p0 442.3 ± 2969
80000
60000
40000
20000
0
−20000
−40000
−60000
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean −181.9
Std Dev 0
3
2
1
0
−1
−2
pull1D
Entries 43
Mean 0.004822
Std Dev 1.069
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

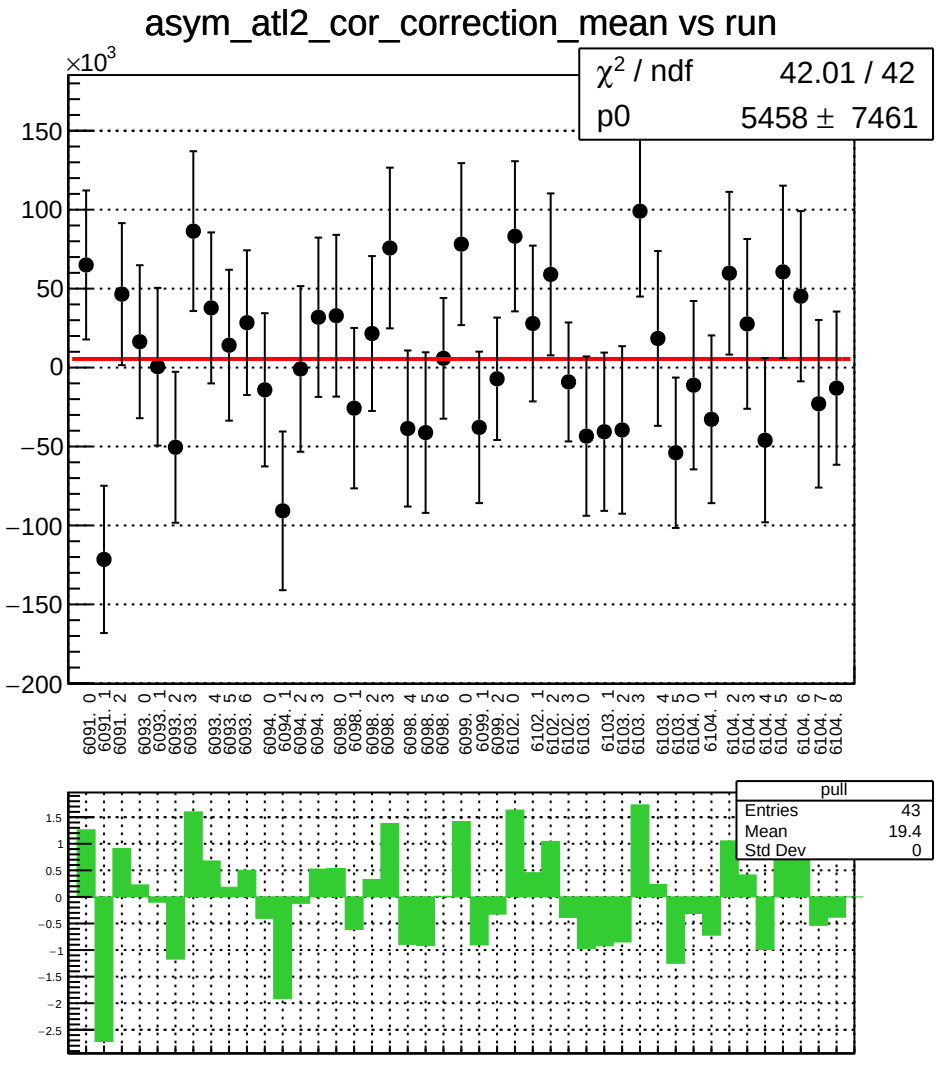

reg_asym_atl2_rms vs run
χ² / ndf 216 / 42
p0 1910 ± 2.099
2050
2000
1950
1900
1850
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

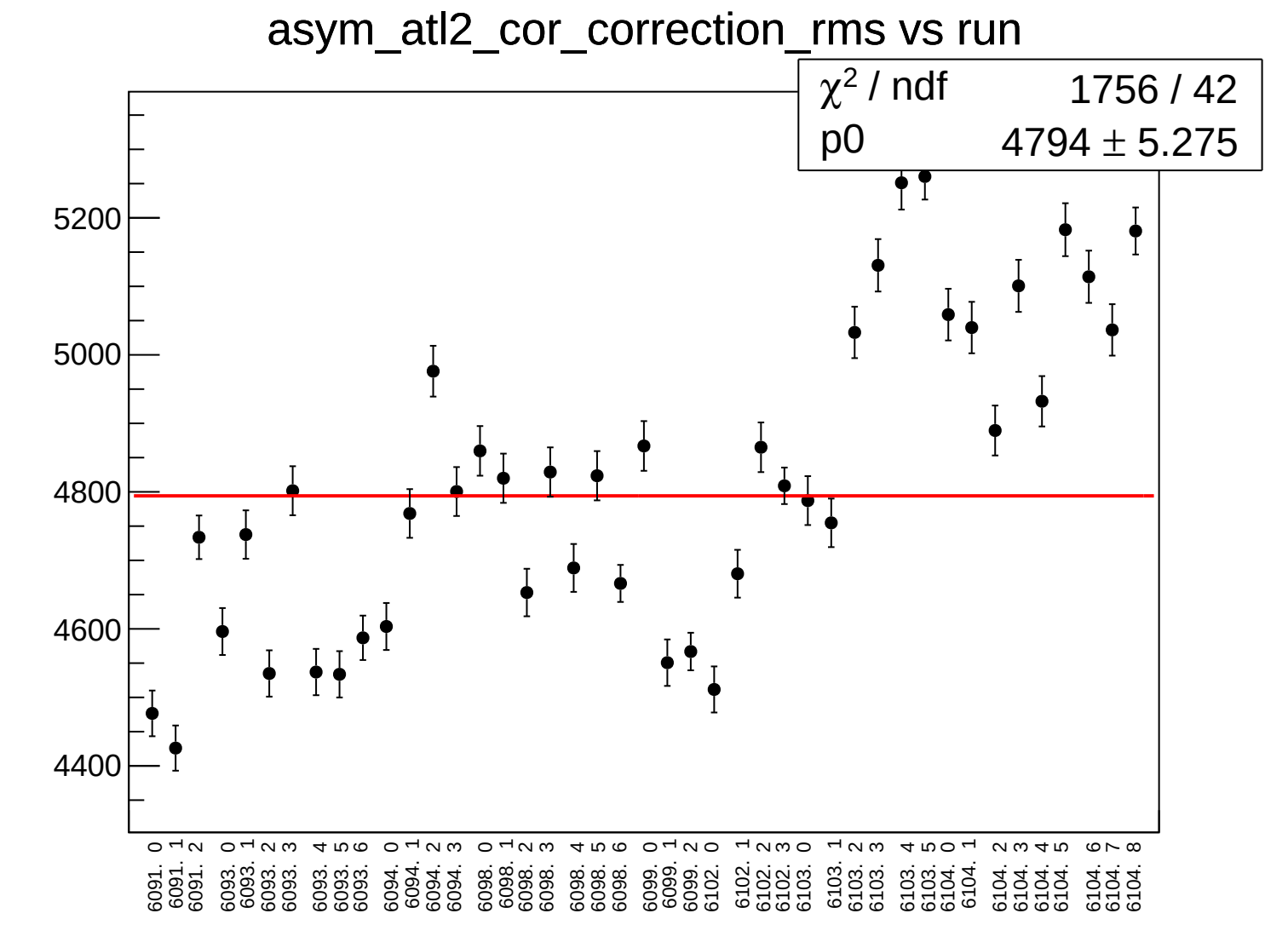

asym_atl2_reg_correction_mean vs run
×10^3
χ² / ndf 42.01 / 42
p0 5457 ± 7461
150
100
50
0
−50
−100
−150
−200
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 19.44
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5
pull1D
Entries 43
Mean 0.01119
Std Dev 0.9884
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

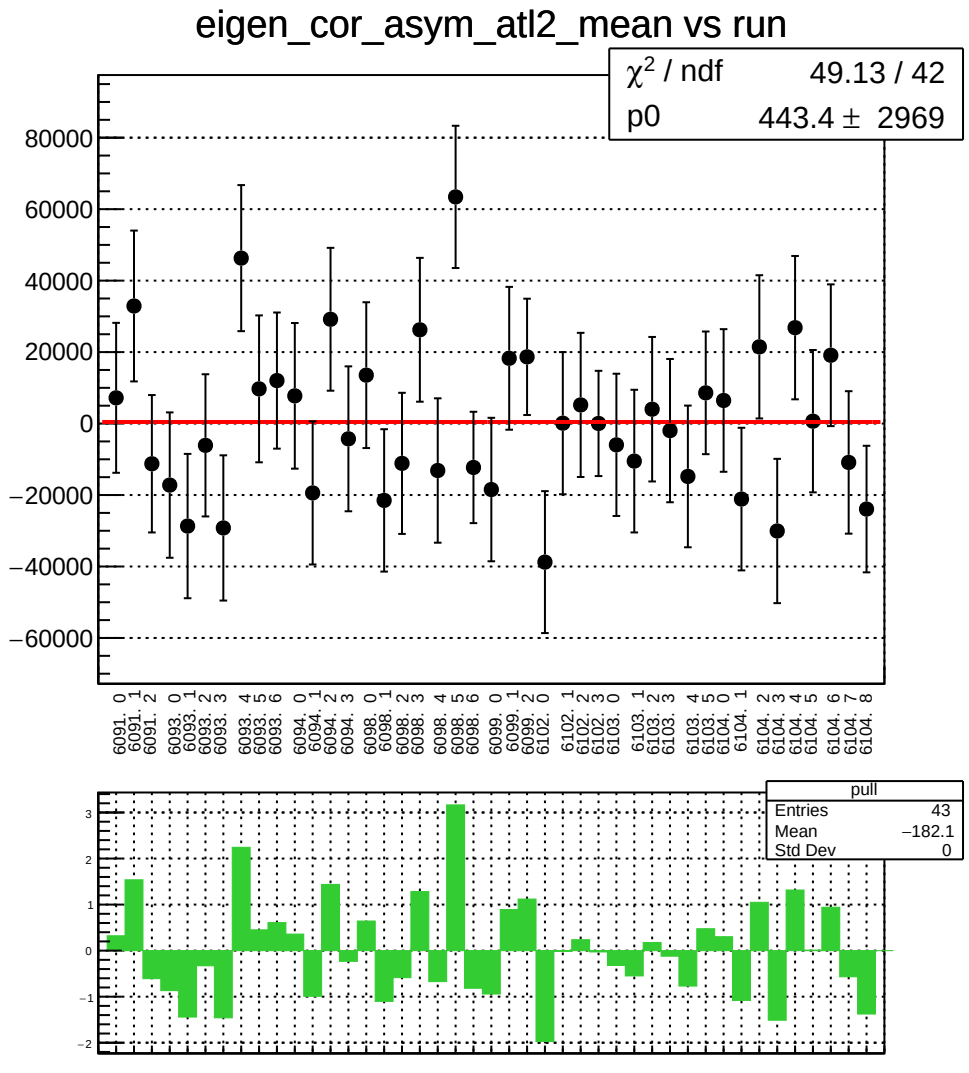

asym_atl2_reg_correction_rms vs run
χ² / ndf 1756 / 42
p0 4794 ± 5.275
5200
5000
4800
4600
4400
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

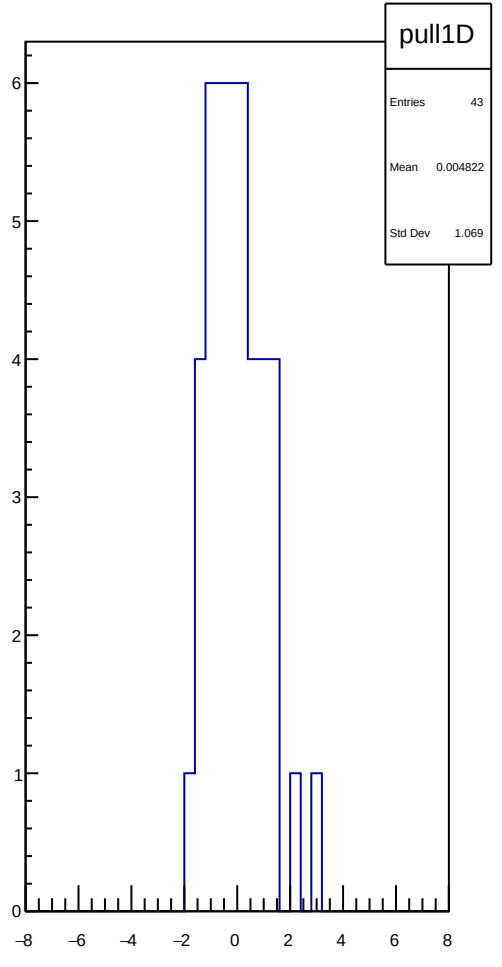

cor_asym_atl2_mean vs run
χ² / ndf 49.13 / 42
p0 443.4 ± 2969
80000
60000
40000
20000
0
−20000
−40000
−60000
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean −182.1
Std Dev 0
3
2
1
0
−1
−2
pull1D
Entries 43
Mean 0.004822
Std Dev 1.069
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

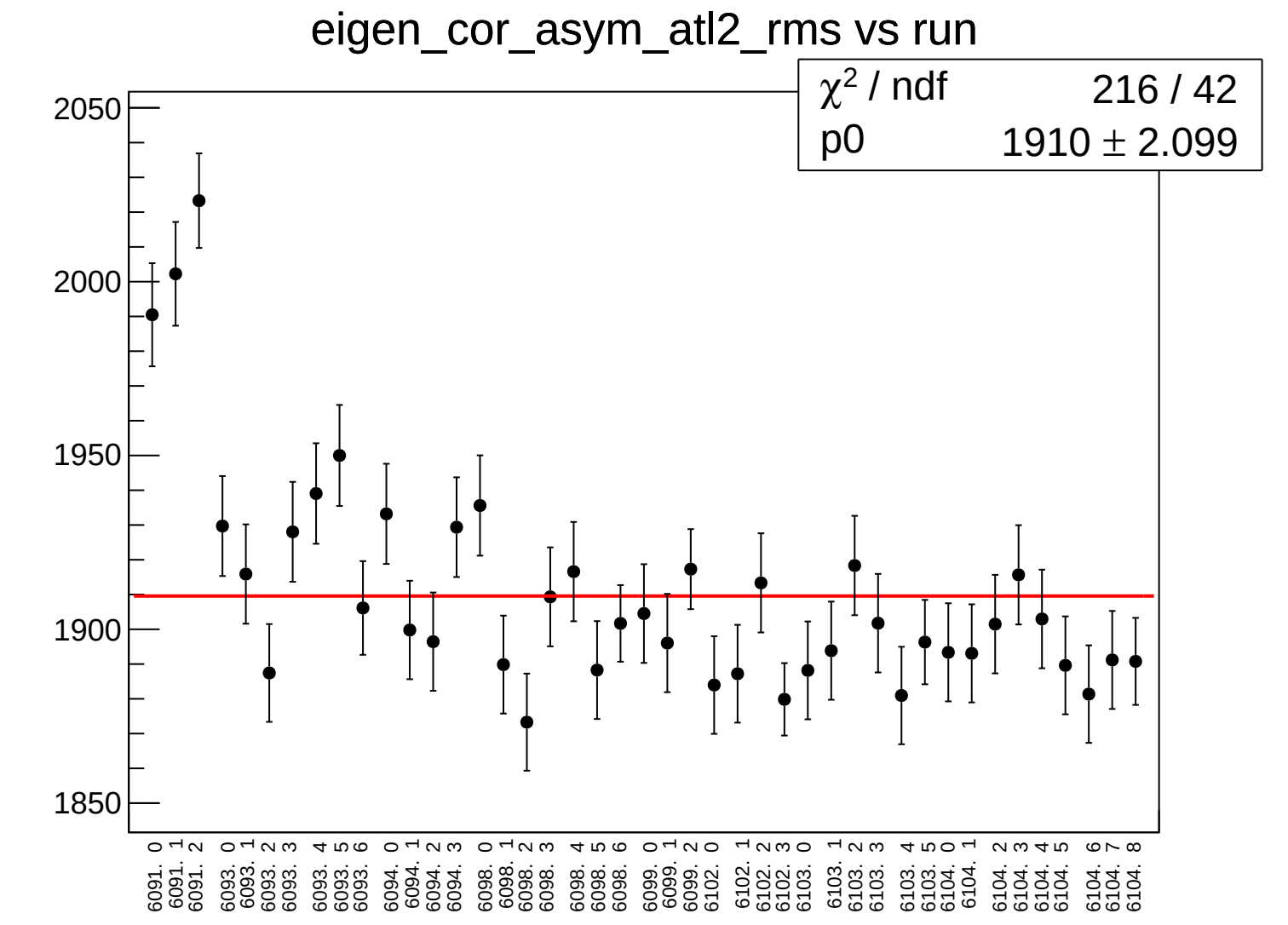

cor_asym_atl2_rms vs run
χ² / ndf 216 / 42
p0 1910 ± 2.099
2050
2000
1950
1900
1850
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

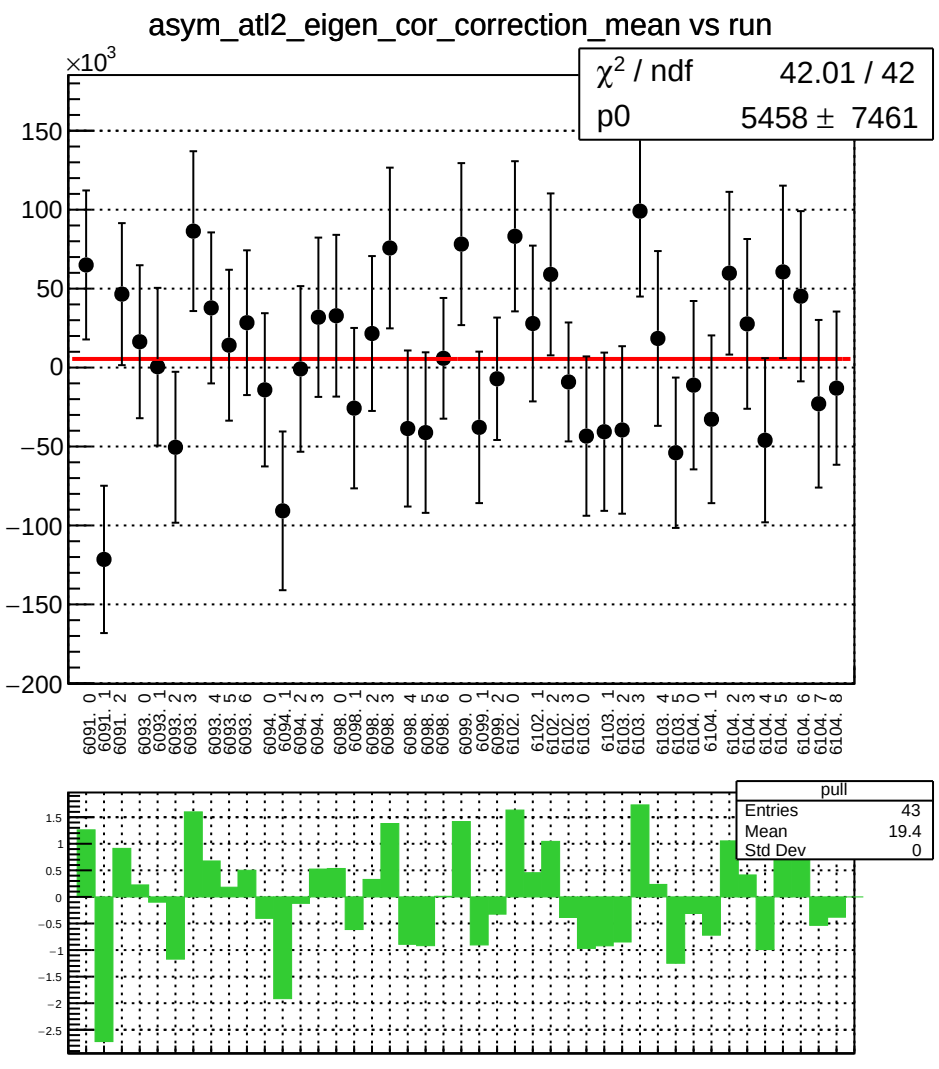

asym_atl2_cor_correction_mean vs run
×10^3
χ² / ndf 42.01 / 42
p0 5458 ± 7461
150
100
50
0
−50
−100
−150
−200
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 19.4
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5
pull1D
Entries 43
Mean 0.01118
Std Dev 0.9884
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


asym_atl2_cor_correction_rms vs run
χ² / ndf 1756 / 42
p0 4794 ± 5.275
5200
5000
4800
4600
4400
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8


eigen_cor_asym_atl2_mean vs run
χ² / ndf 49.13 / 42
p0 443.4 ± 2969
80000
60000
40000
20000
0
−20000
−40000
−60000
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean −182.1
Std Dev 0
3
2
1
0
−1
−2


pull1D
Entries 43
Mean 0.004822
Std Dev 1.069
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


eigen_cor_asym_atl2_rms vs run
χ² / ndf 216 / 42
p0 1910 ± 2.099
2050
2000
1950
1900
1850
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8


asym_atl2_eigen_cor_correction_mean vs run
×10^3
χ^2 / ndf 42.01 / 42
p0 5458 ± 7461
150
100
50
0
−50
−100
−150
−200
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
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6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
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6104. 2
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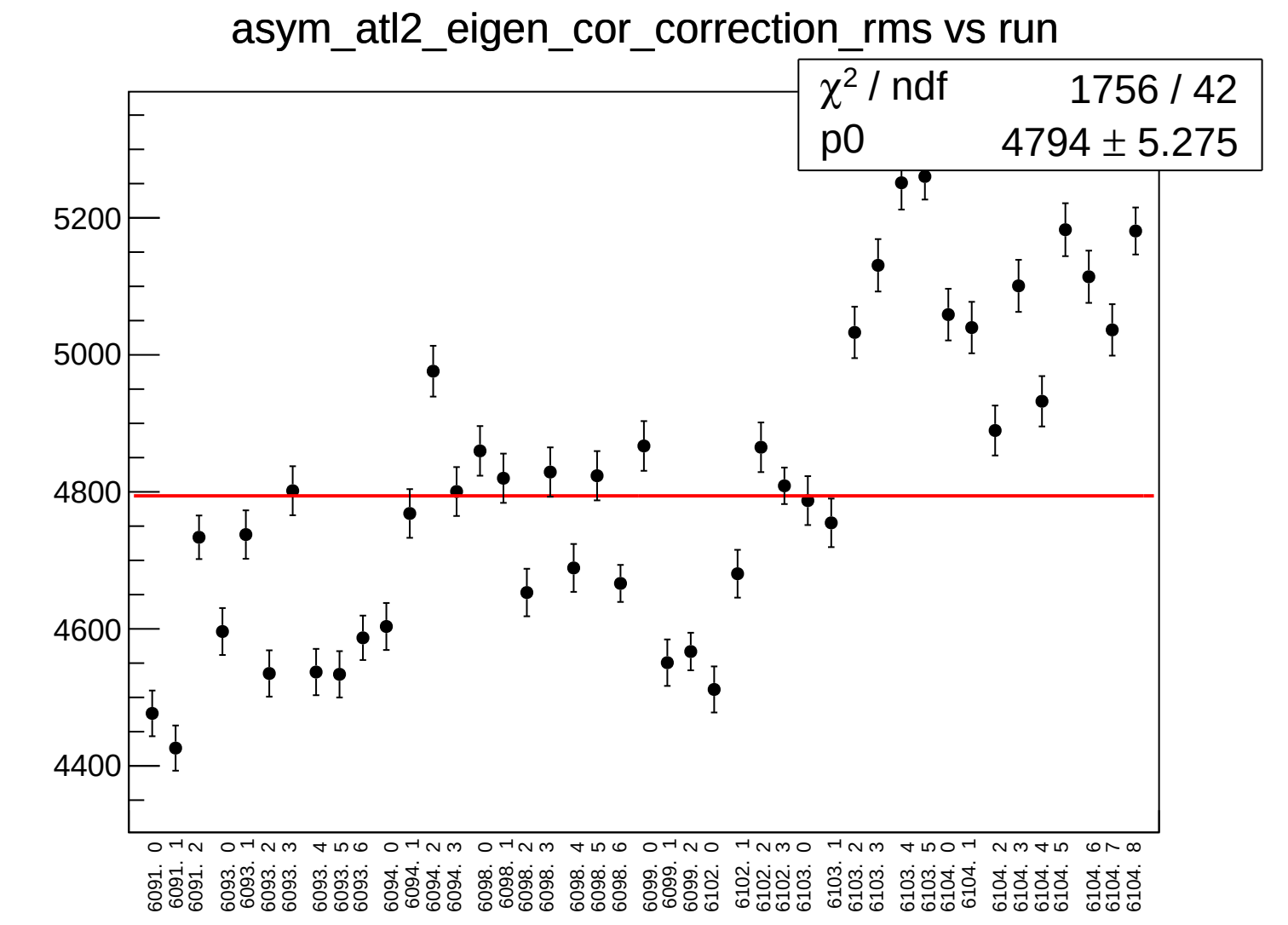
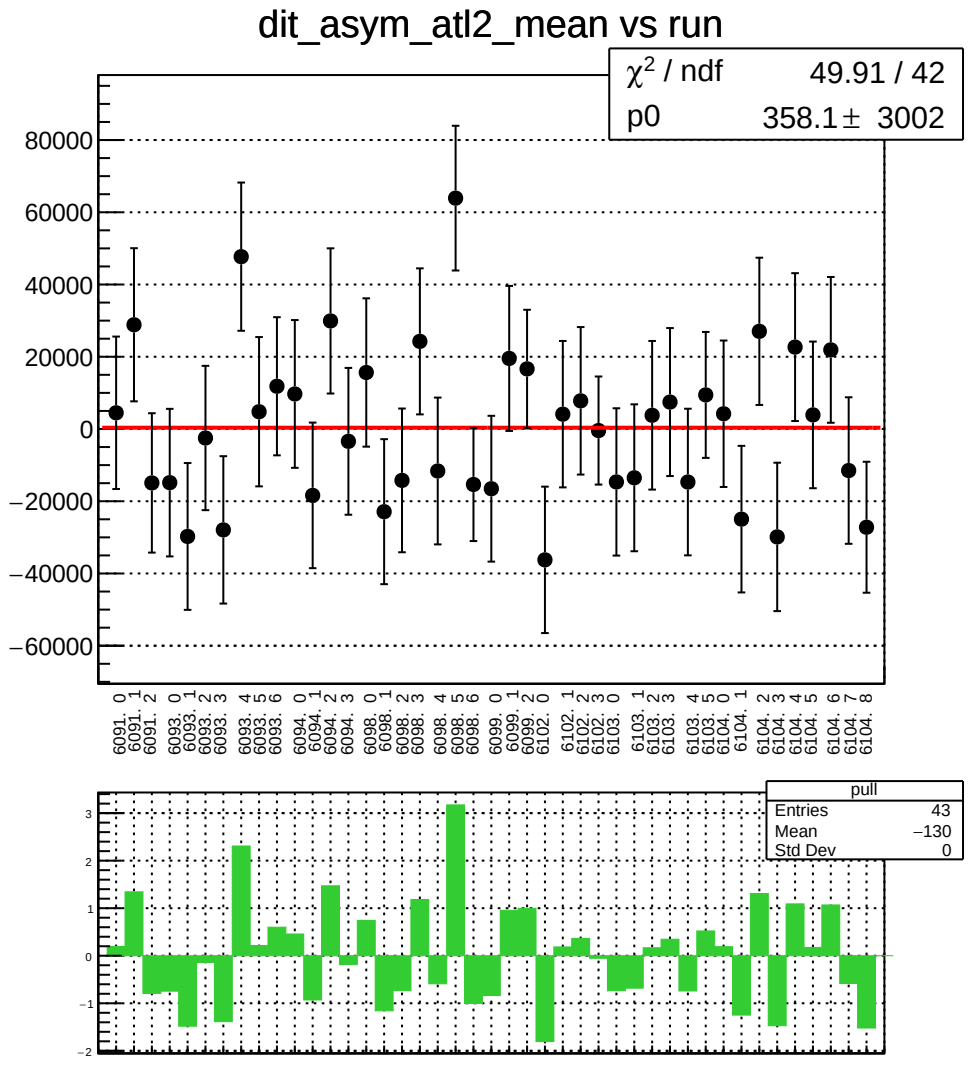
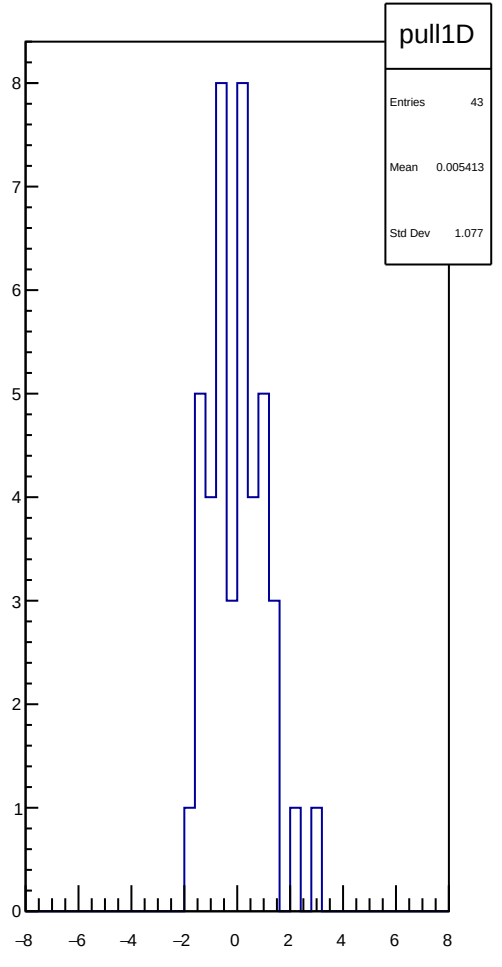
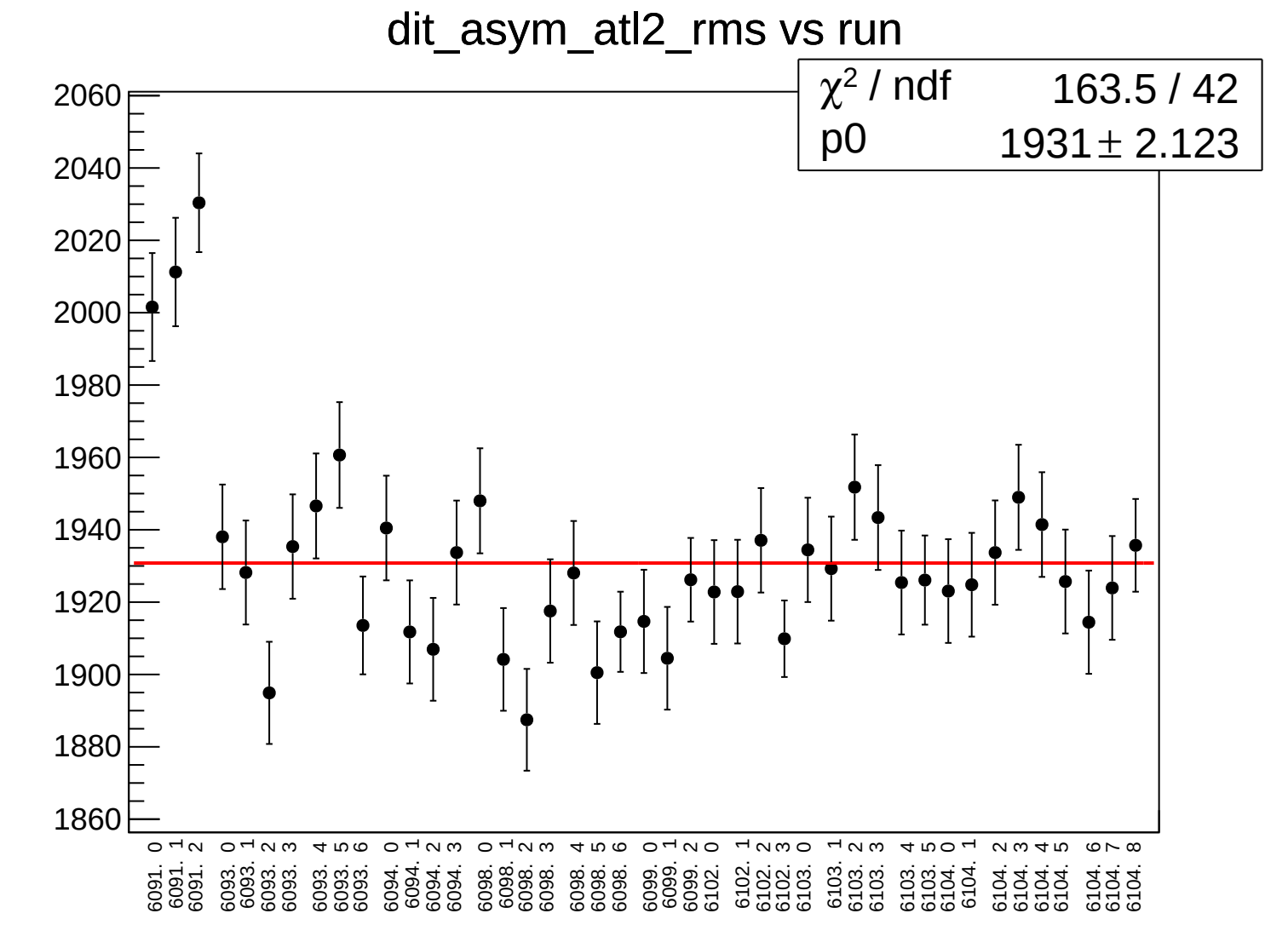
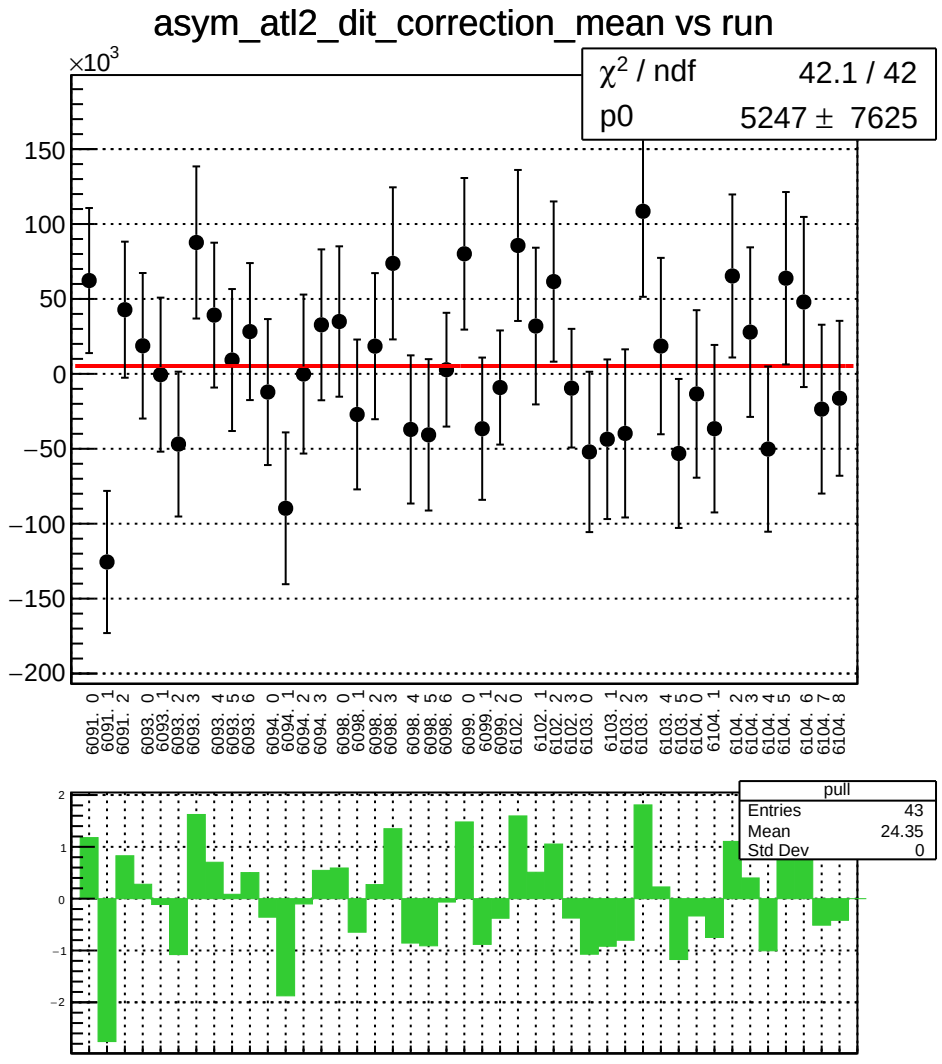
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 19.4
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5
pull1D
Entries 43
Mean 0.01118
Std Dev 0.9884
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

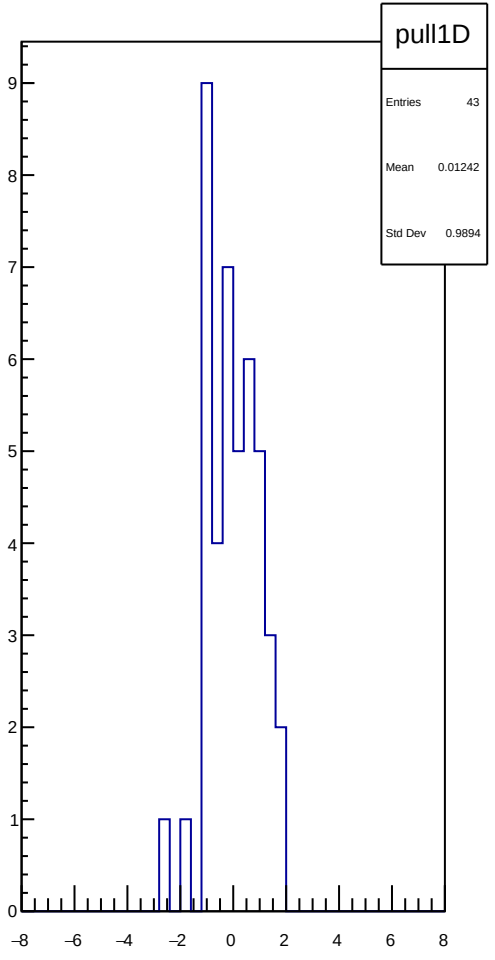

asym_atl2_eigen_cor_correction_rms vs run
χ² / ndf 1756 / 42
p0 4794 ± 5.275
5200
5000
4800
4600
4400
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

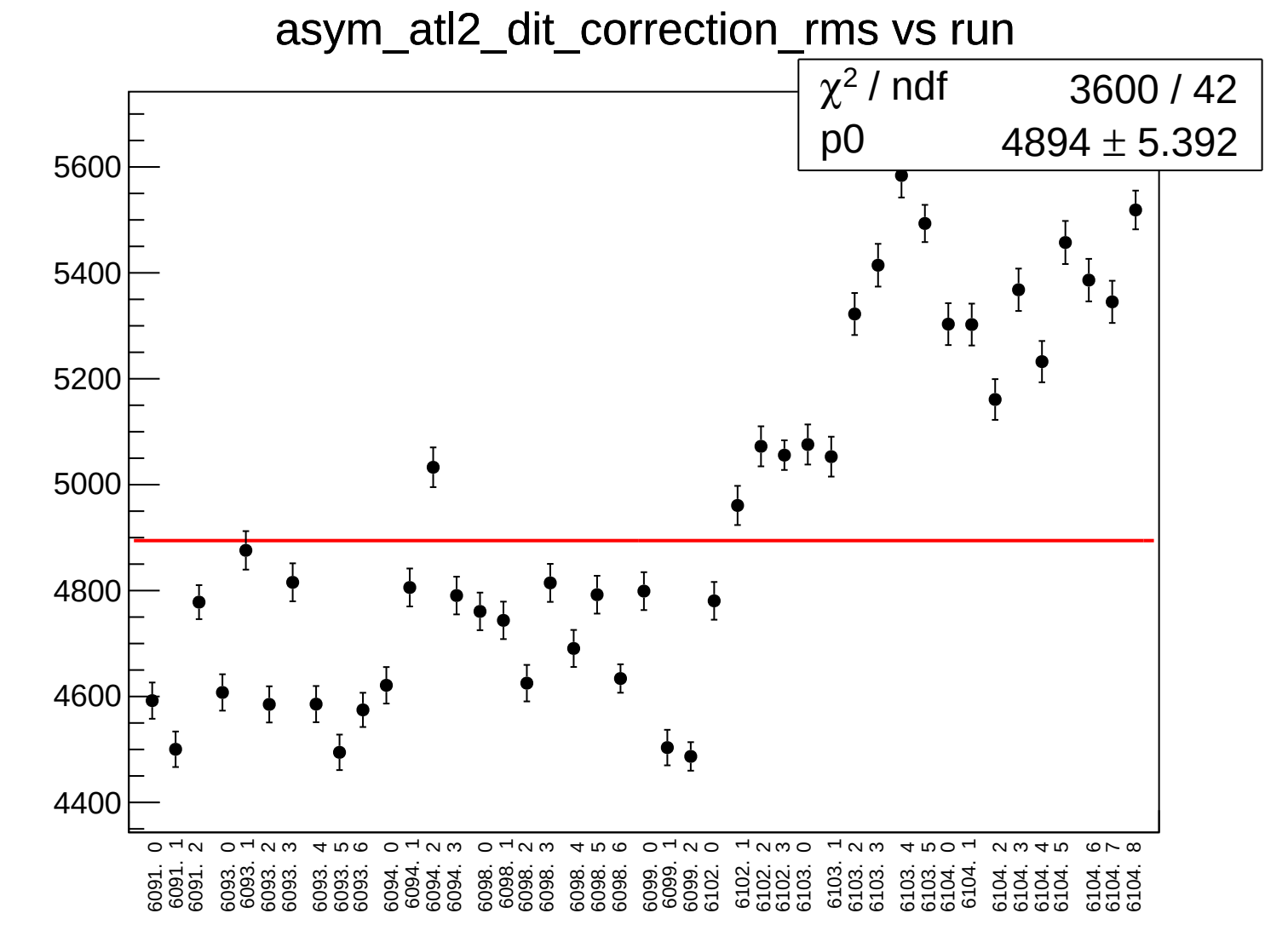

dit_asym_atl2_mean vs run
χ² / ndf 49.91 / 42
p0 358.1 ± 3002
80000
60000
40000
20000
0
−20000
−40000
−60000
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean −130
Std Dev 0
3
2
1
0
−1
−2

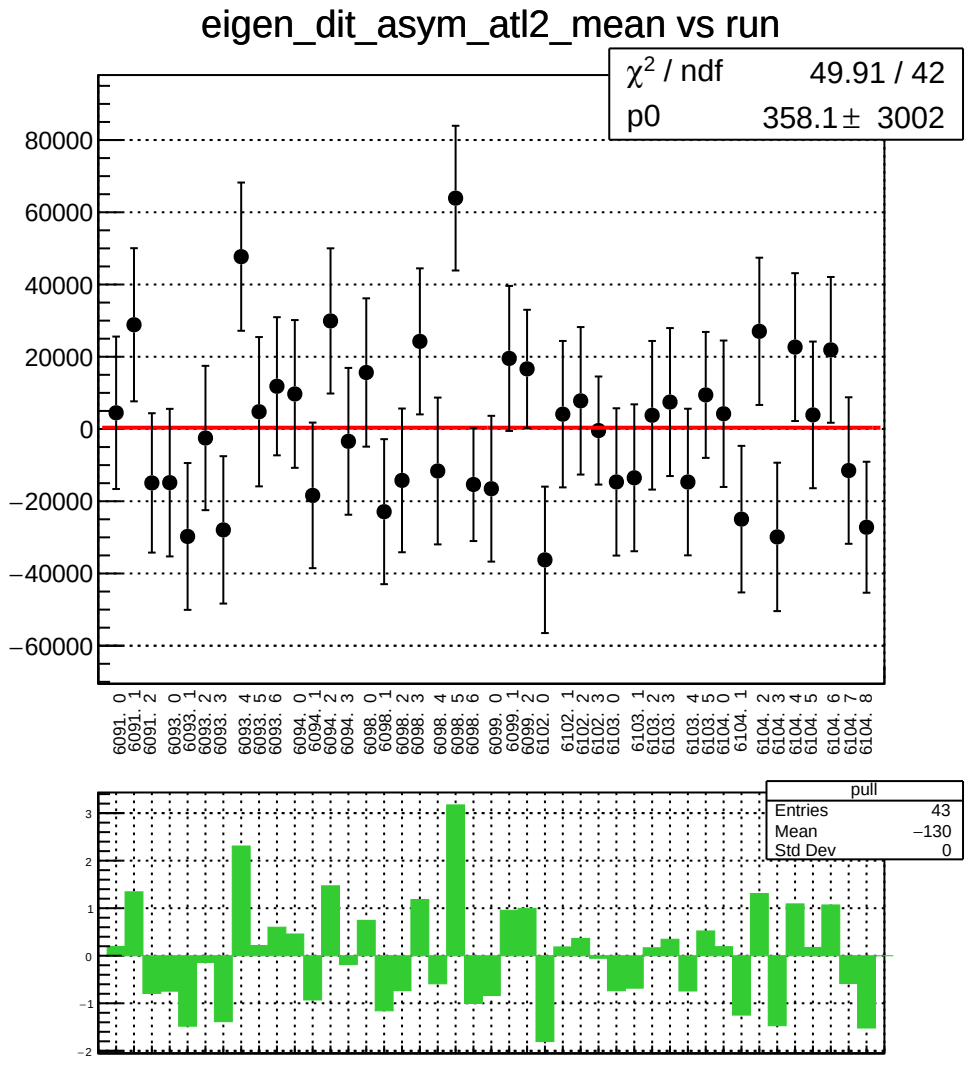

pull1D
Entries 43
Mean 0.005413
Std Dev 1.077
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

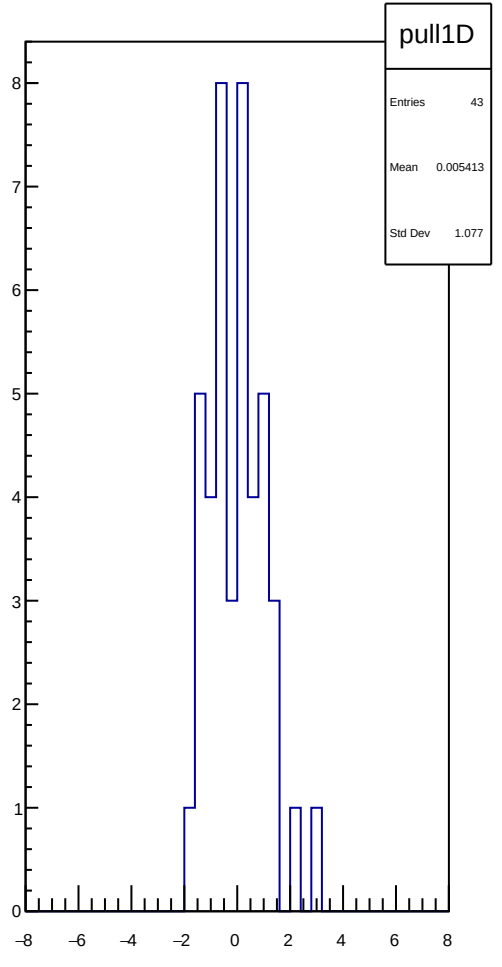

dit_asym_atl2_rms vs run
χ² / ndf 163.5 / 42
p0 1931 ± 2.123
2060
2040
2020
2000
1980
1960
1940
1920
1900
1880
1860
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

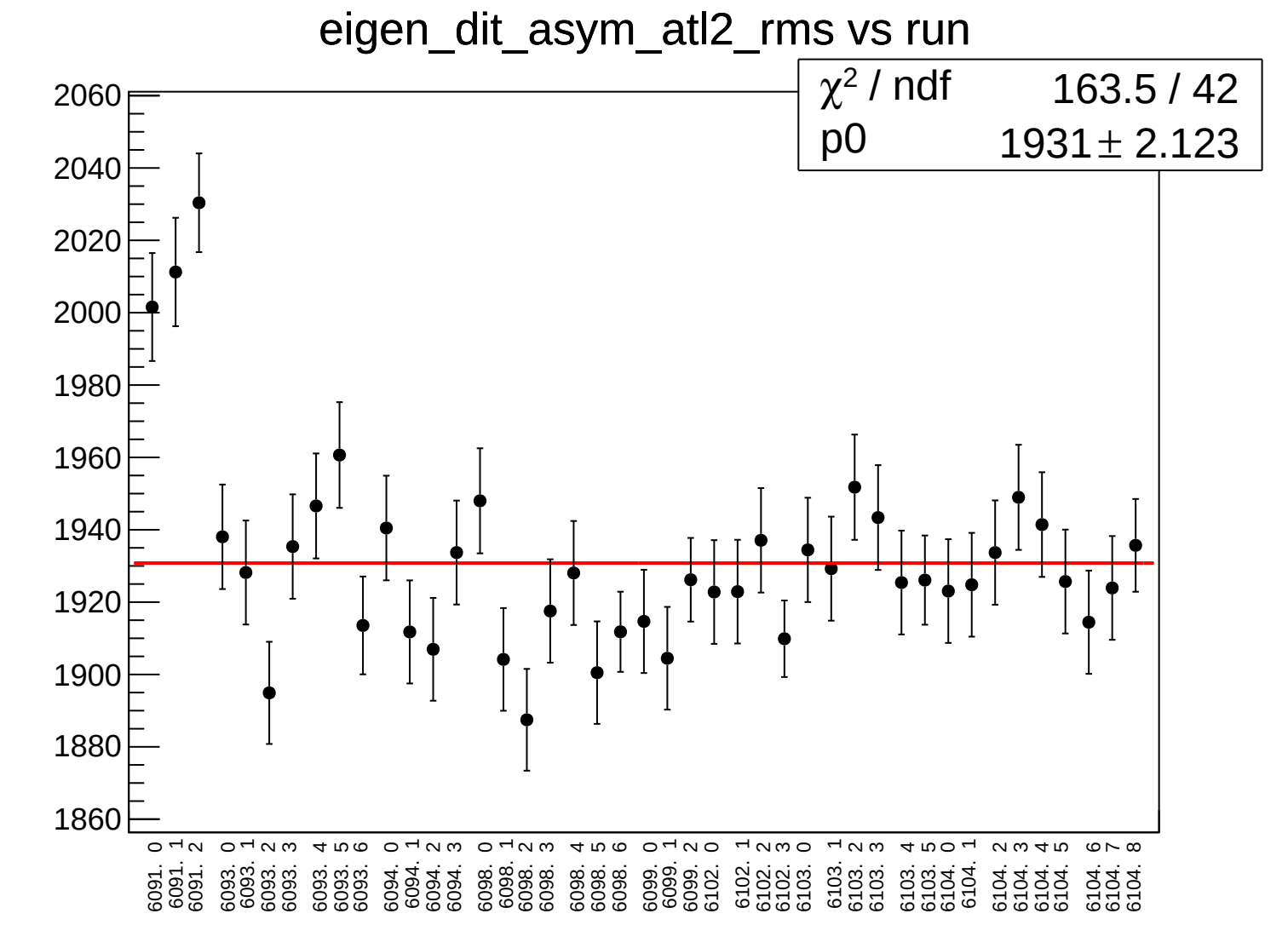

asym_atl2_dit_correction_mean vs run
χ² / ndf 42.1 / 42
p0 5247 ± 7625
×10³
pull
Entries 43
Mean 24.35
Std Dev 0

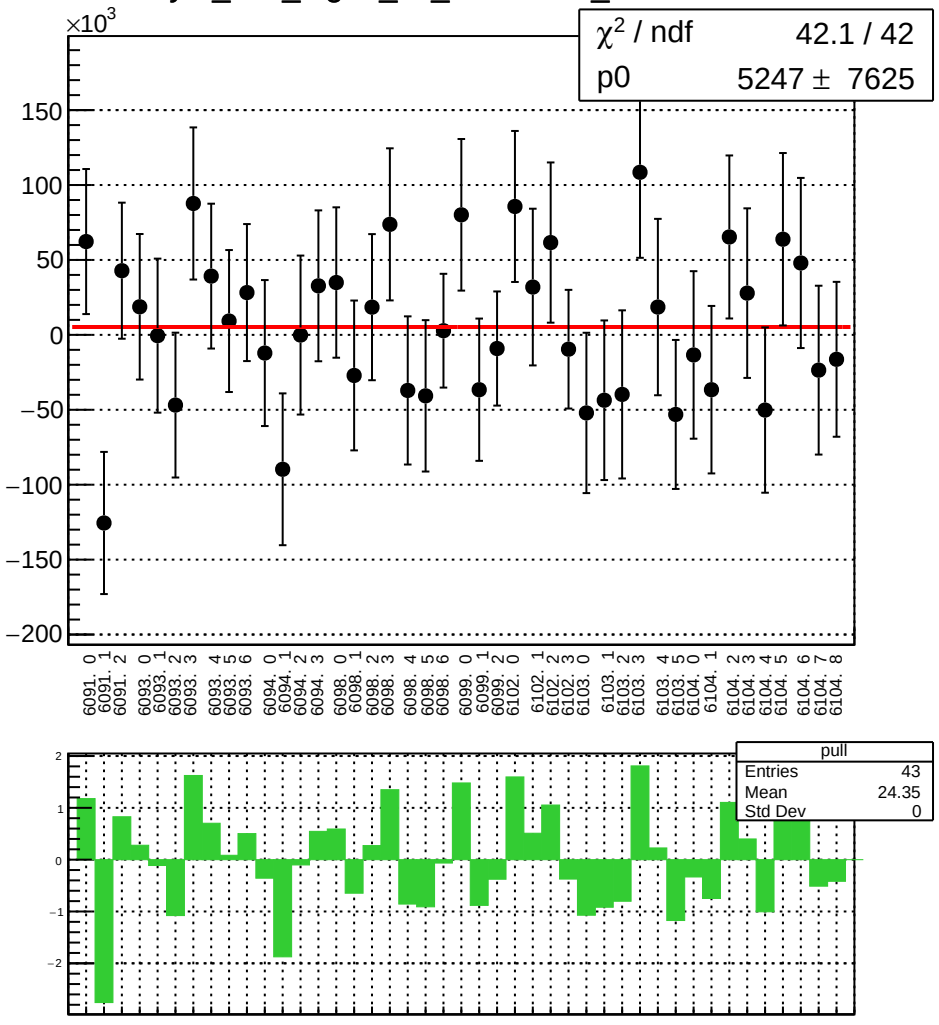

pull1D
Entries 43
Mean 0.01242
Std Dev 0.9894

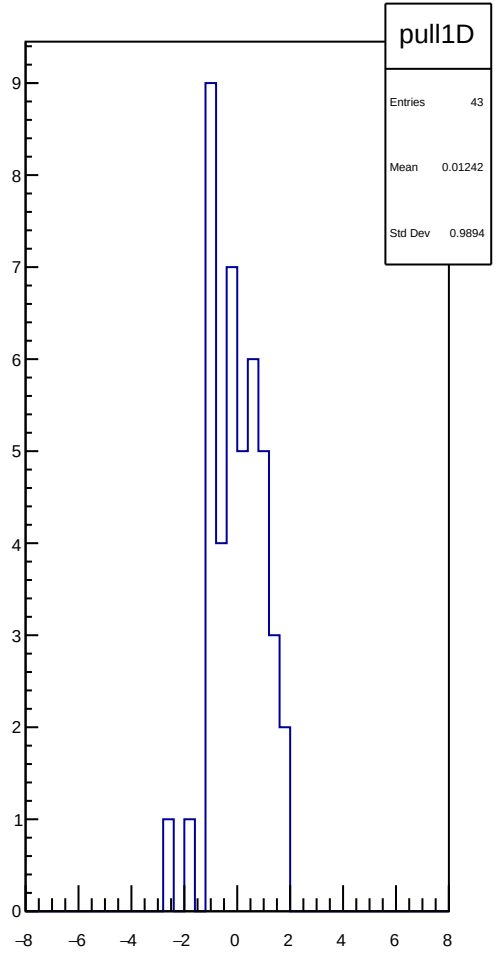

asym_atl2_dit_correction_rms vs run
χ² / ndf 3600 / 42
p0 4894 ± 5.392
5600
5400
5200
5000
4800
4600
4400
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

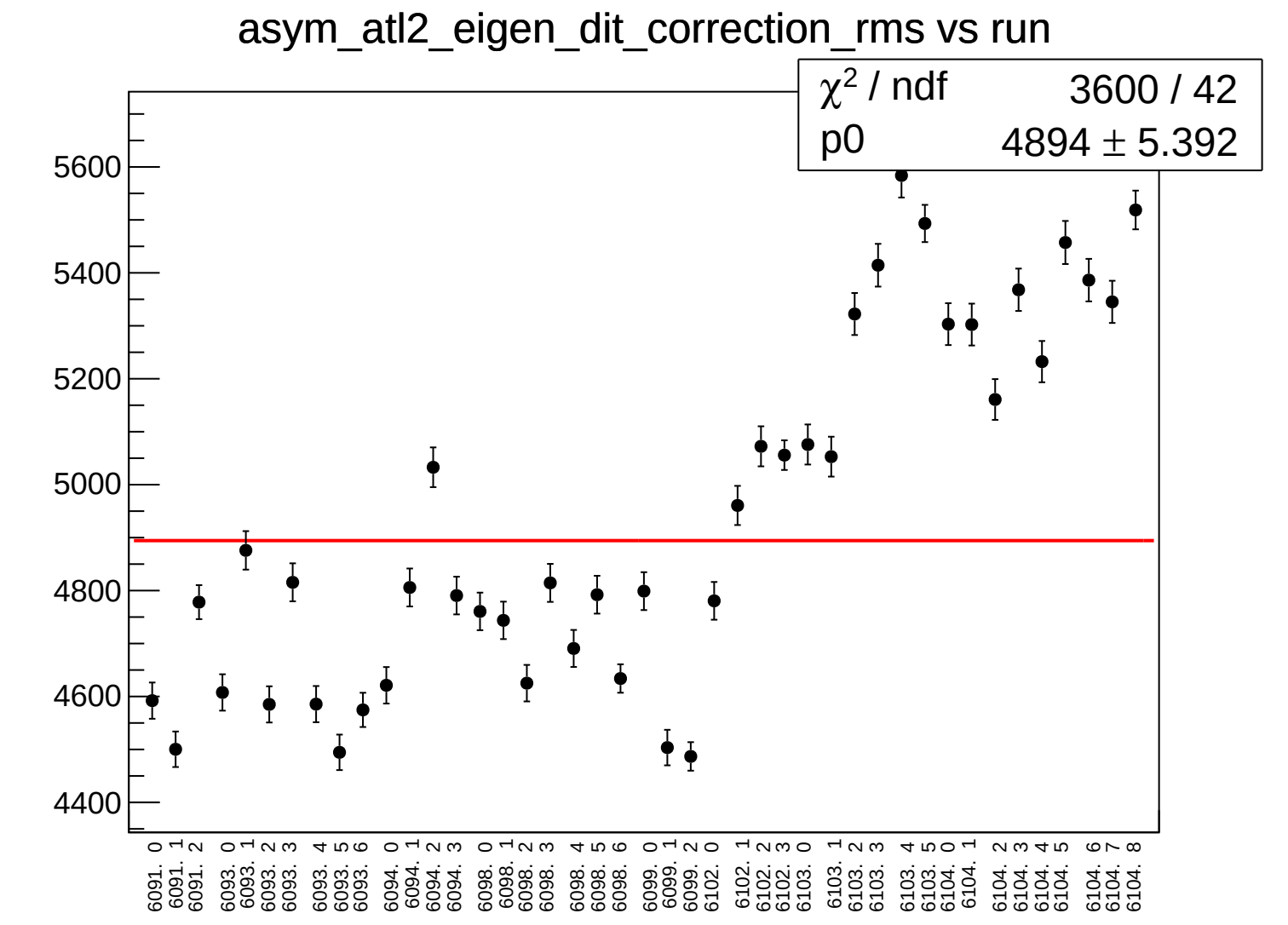

eigen_dit_asym_atl2_mean vs run
χ² / ndf 49.91 / 42
p0 358.1 ± 3002
80000
60000
40000
20000
0
−20000
−40000
−60000
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean −130
Std Dev 0
3
2
1
0
−1
−2

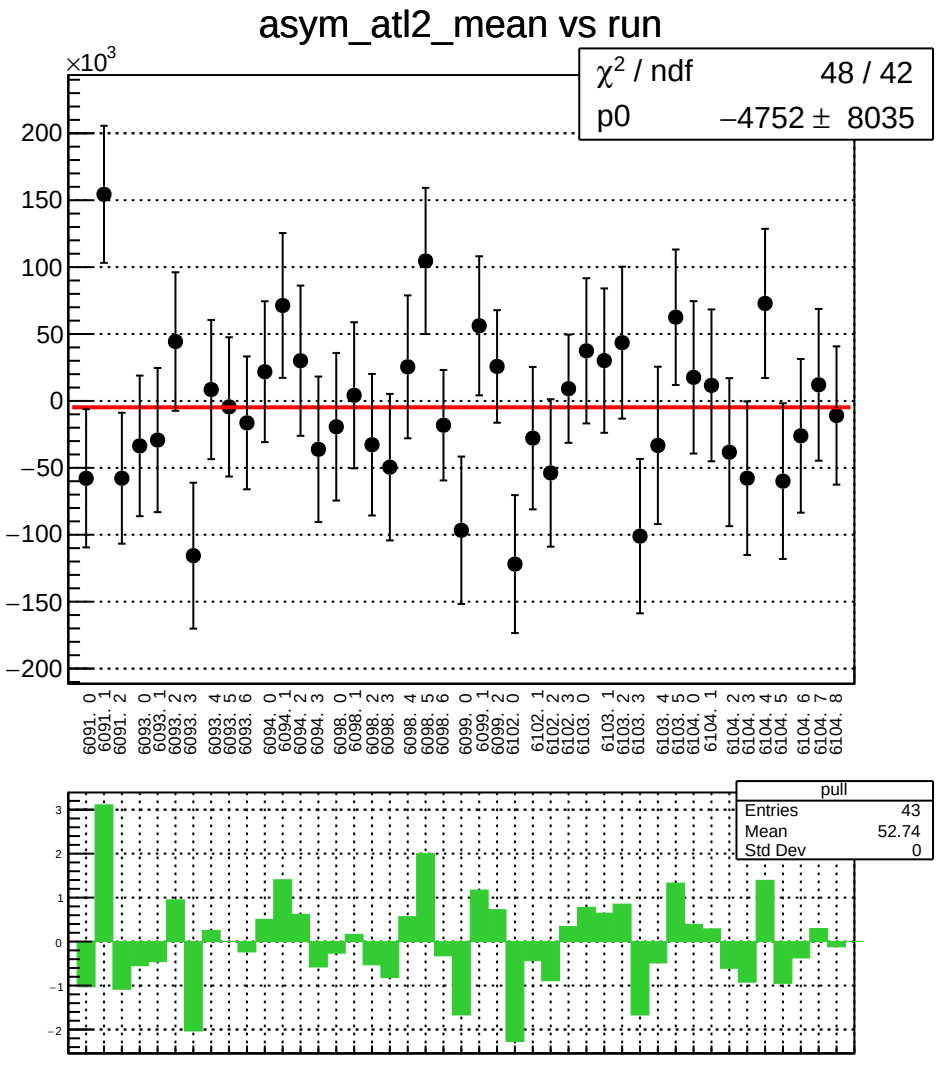

pull1D
Entries 43
Mean 0.005413
Std Dev 1.077
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

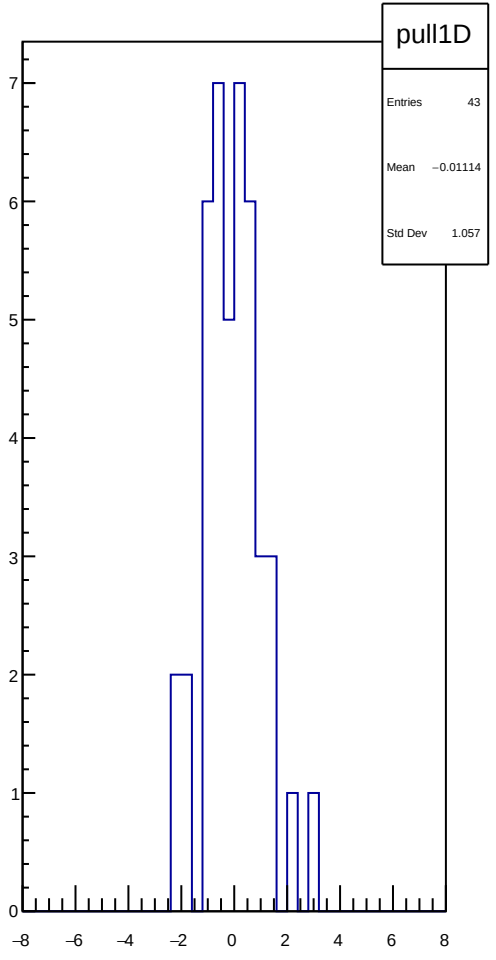

eigen_dit_asym_atl2_rms vs run
χ² / ndf 163.5 / 42
p0 1931 ± 2.123
2060
2040
2020
2000
1980
1960
1940
1920
1900
1880
1860
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

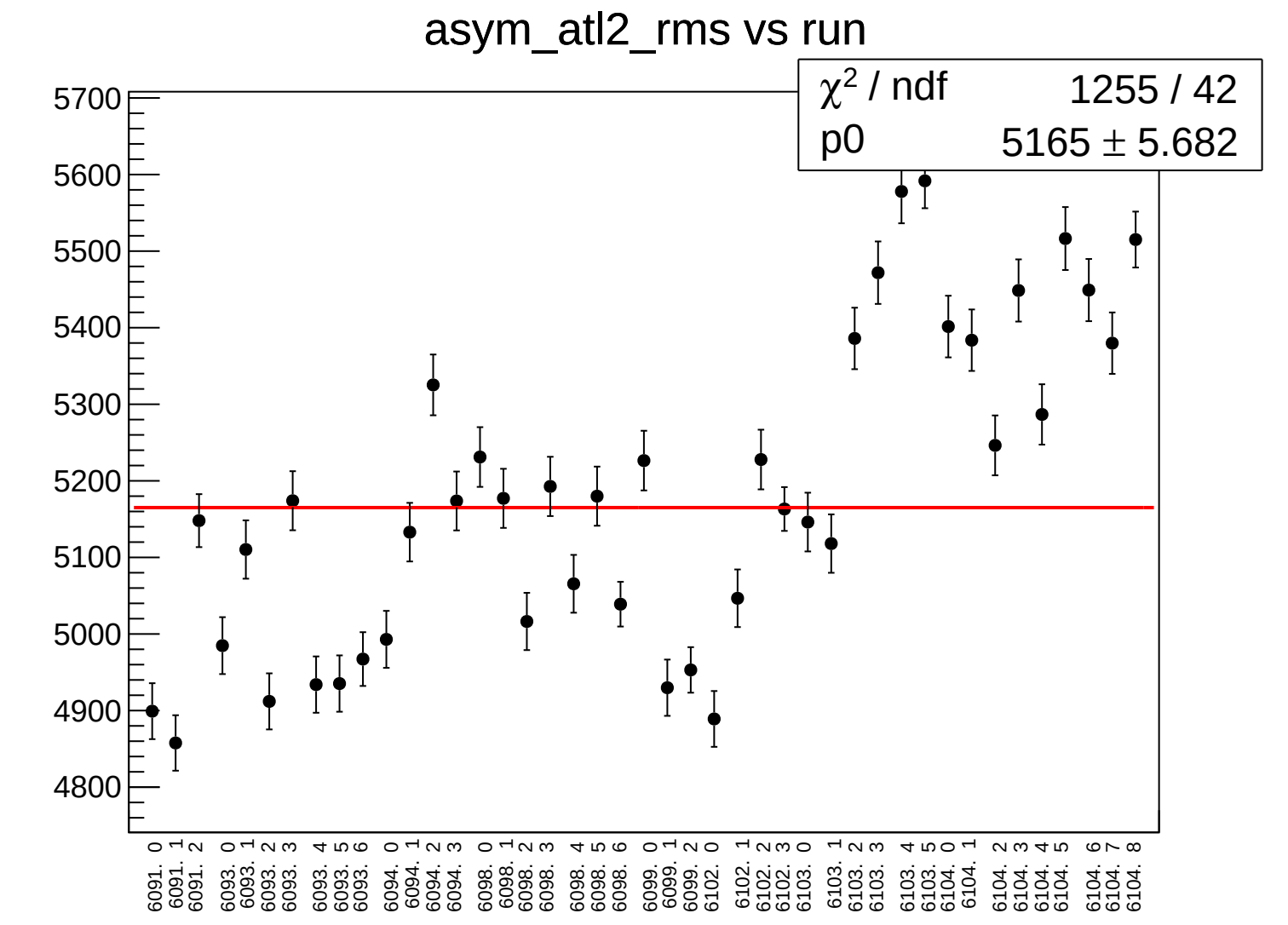

asym_atl2_eigen_dit_correction_mean vs run
×10^3
χ² / ndf 42.1 / 42
p0 5247 ± 7625
150
100
50
0
−50
−100
−150
−200
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 24.35
Std Dev 0
2
1
0
−1
−2

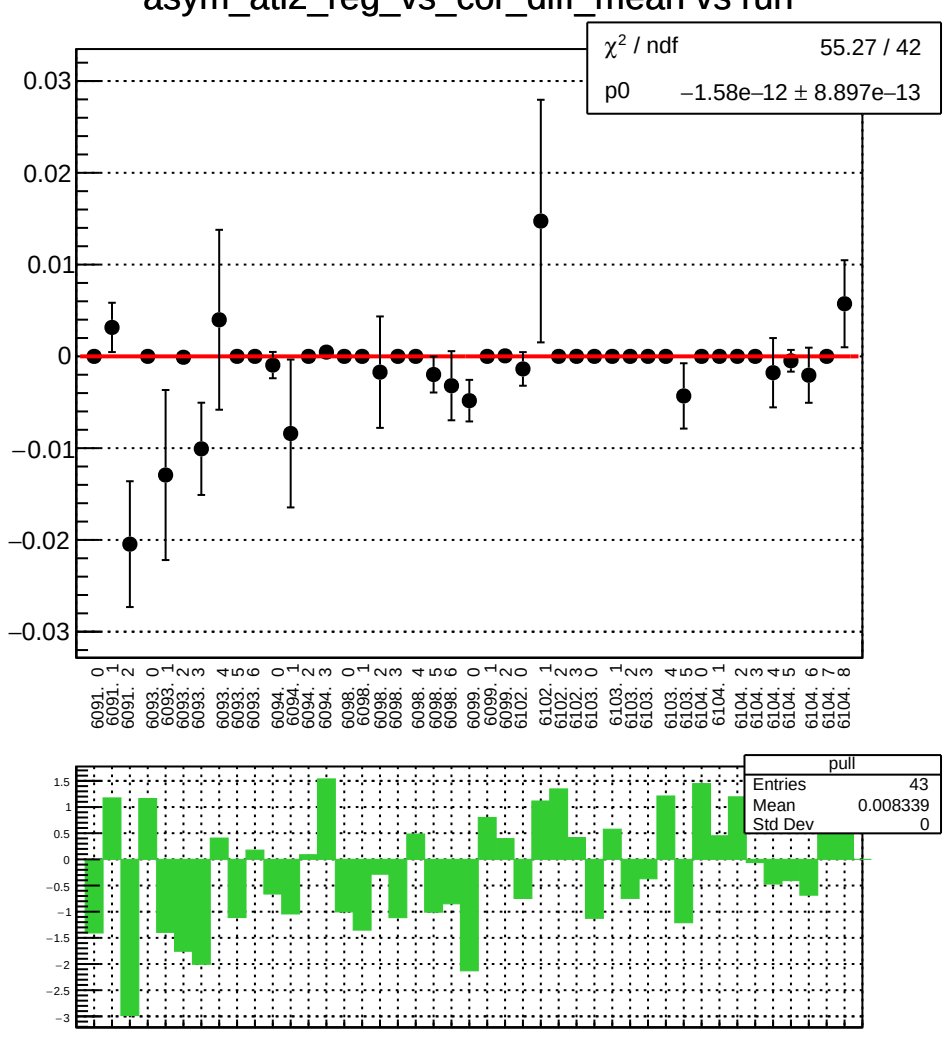

pull1D
Entries 43
Mean 0.01242
Std Dev 0.9894
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

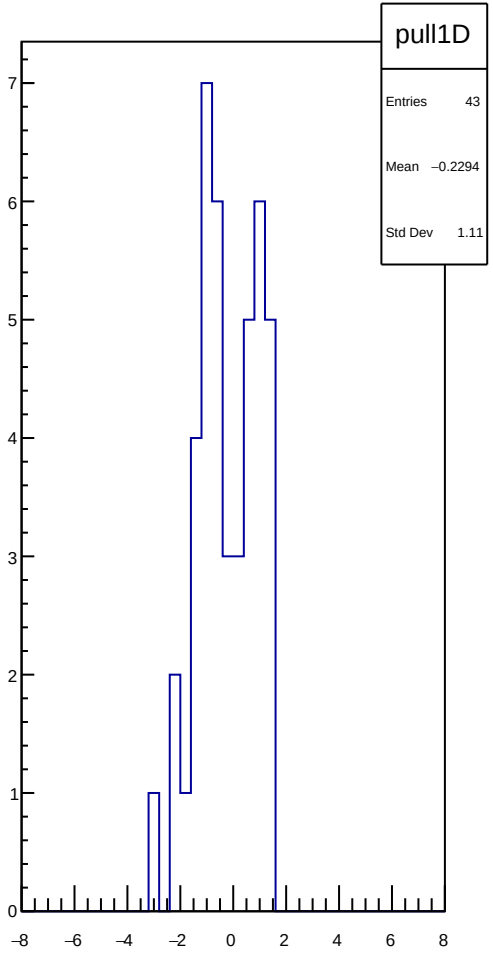

asym_atl2_eigen_dit_correction_rms vs run
χ² / ndf 3600 / 42
p0 4894 ± 5.392
5600
5400
5200
5000
4800
4600
4400
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

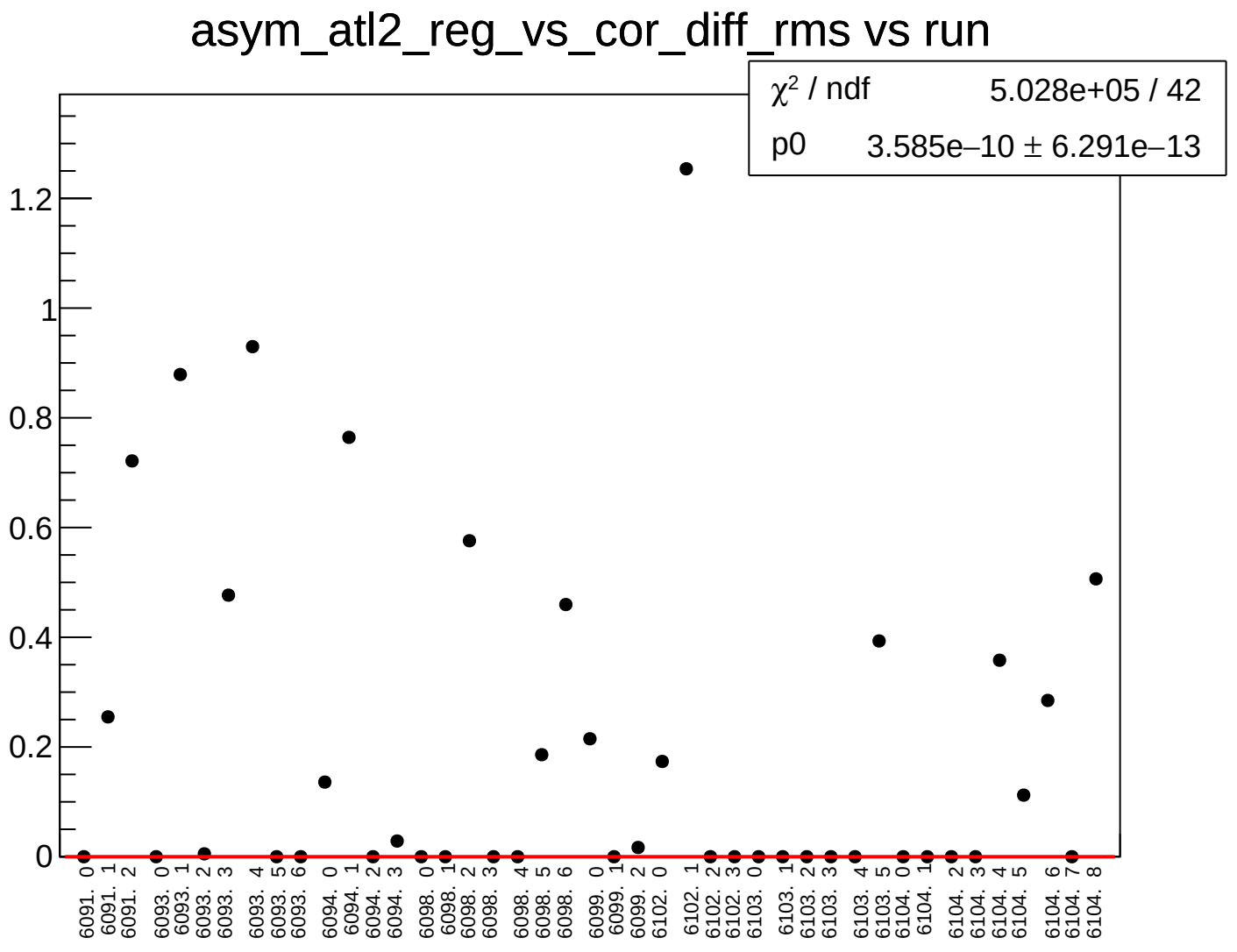

asym_atl2_mean vs run
×10^3
χ^2 / ndf 48 / 42
p0 −4752 ± 8035
200
150
100
50
0
−50
−100
−150
−200
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 52.74
Std Dev 0
3
2
1
0
−1
−2

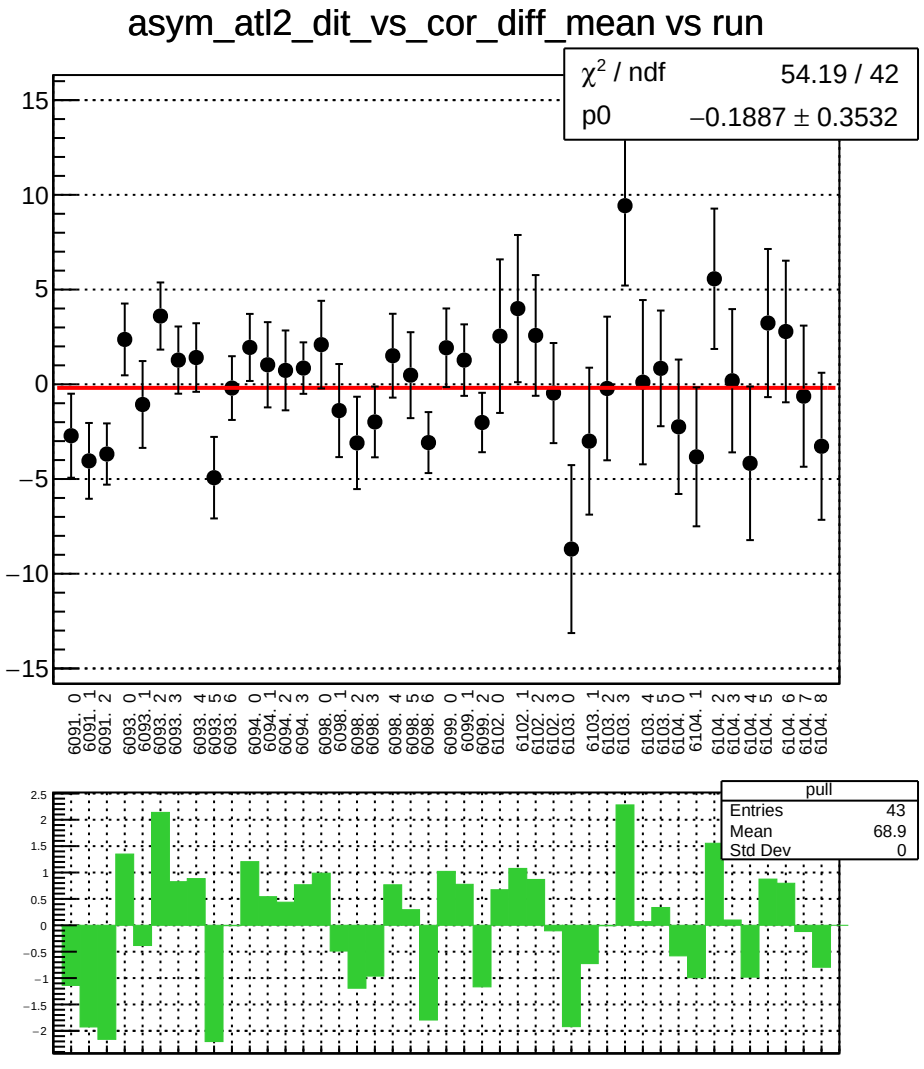

pull1D
Entries 43
Mean −0.01114
Std Dev 1.057
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

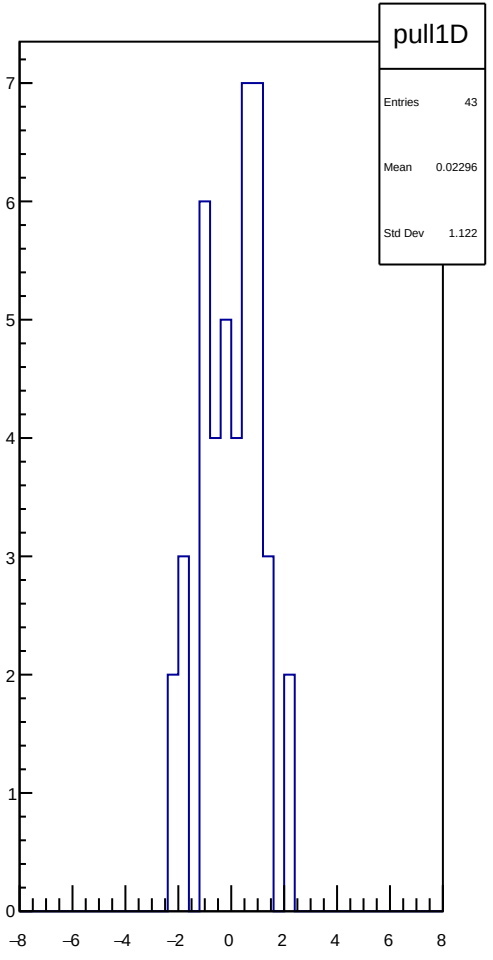

asym_atl2_rms vs run
χ² / ndf 1255 / 42
p0 5165 ± 5.682
5700
5600
5500
5400
5300
5200
5100
5000
4900
4800
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

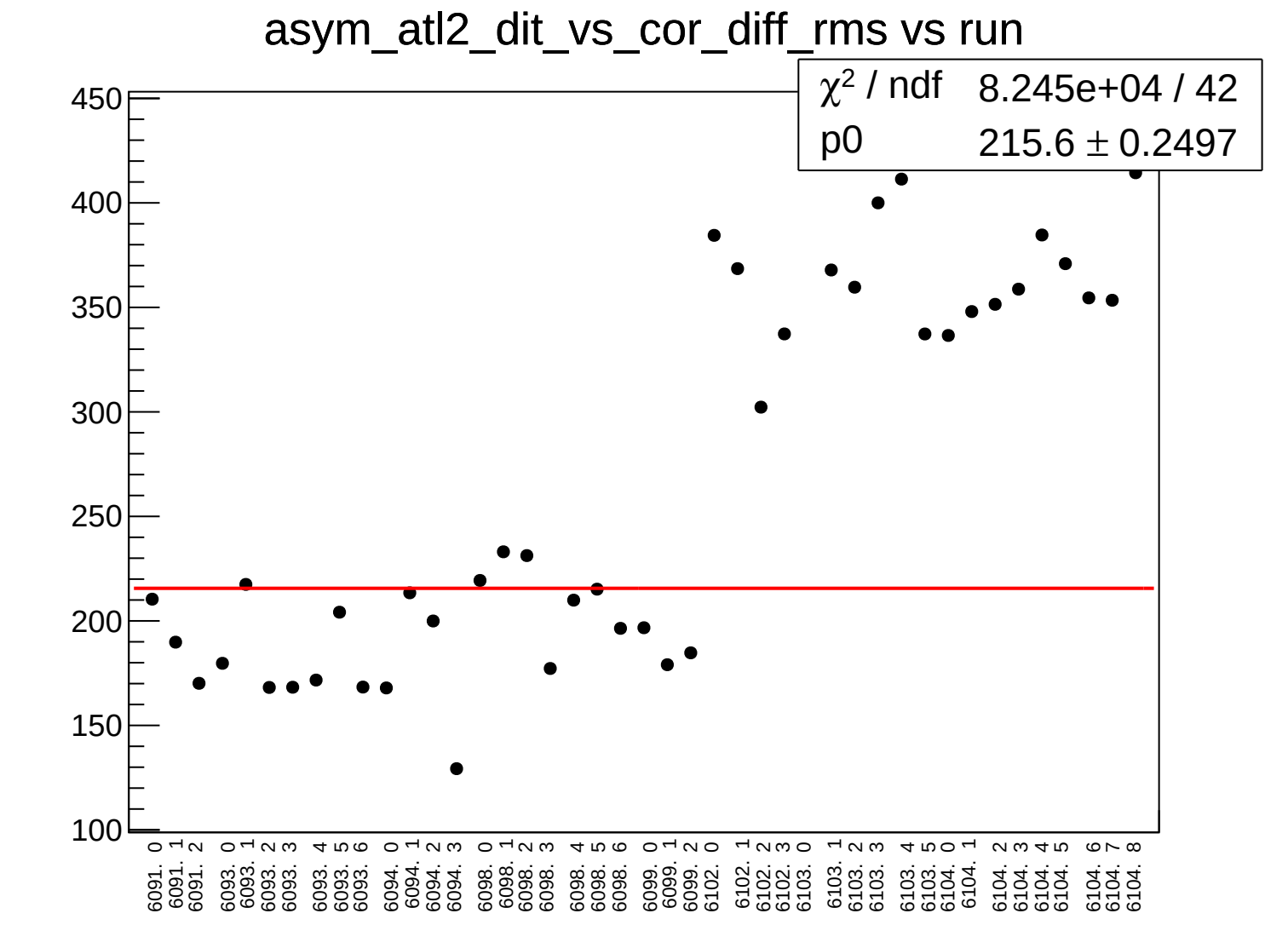

asym_atl2_reg_vs_cor_diff_mean vs run
χ² / ndf 55.27 / 42
p0 −1.58e−12 ± 8.897e−13
pull
Entries 43
Mean 0.008339
Std Dev 0

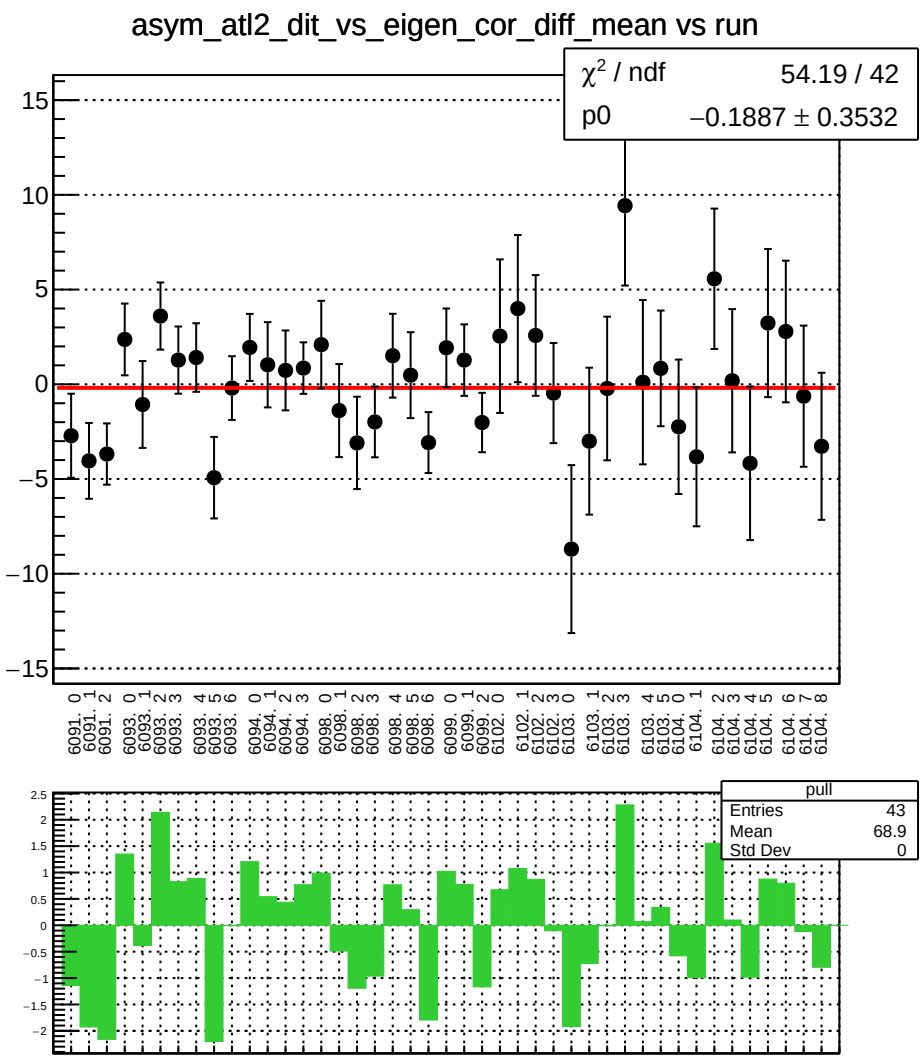

pull1D
Entries 43
Mean −0.2294
Std Dev 1.11

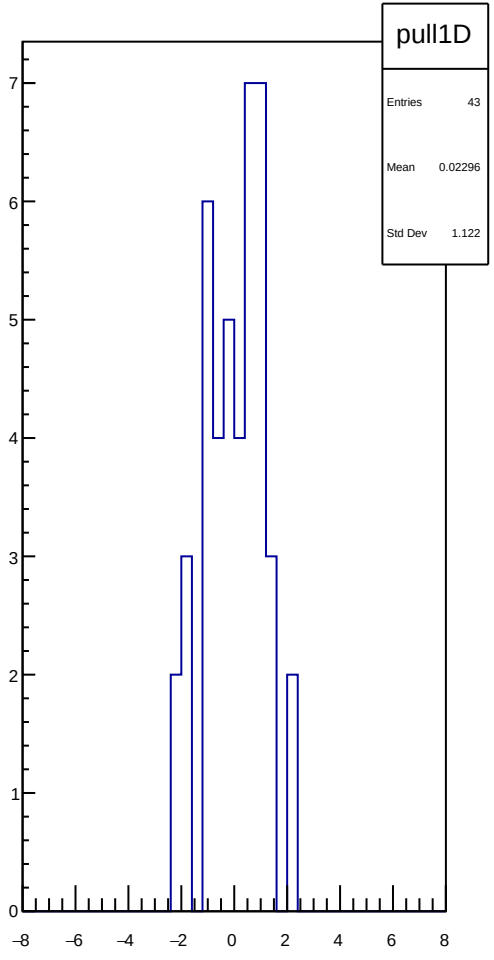

asym_atl2_reg_vs_cor_diff_rms vs run
χ² / ndf 5.028e+05 / 42
p0 3.585e−10 ± 6.291e−13
1.2
1
0.8
0.6
0.4
0.2
0
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

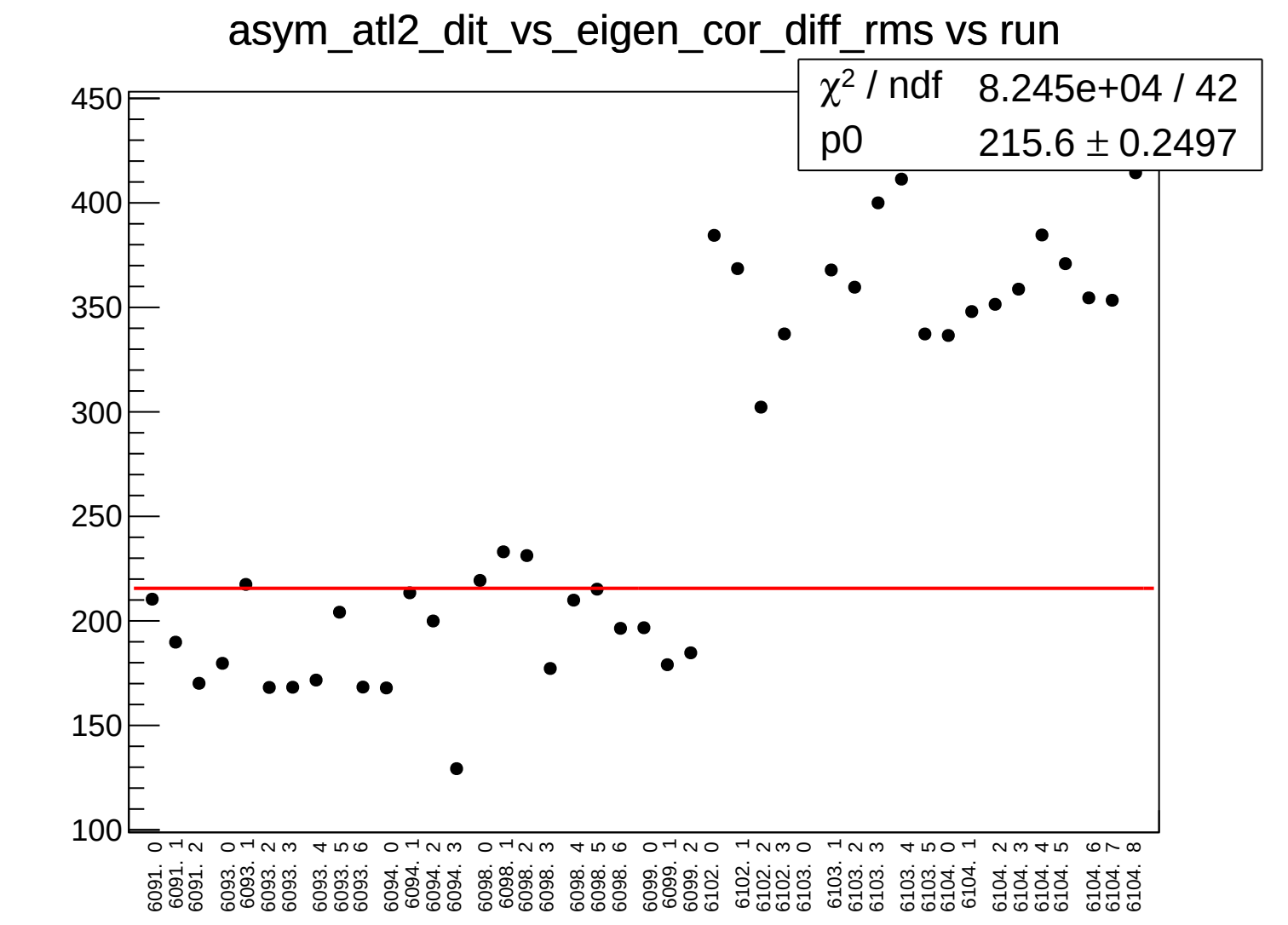

asym_atl2_dit_vs_cor_diff_mean vs run
χ² / ndf 54.19 / 42
p0 −0.1887 ± 0.3532
pull
Entries 43
Mean 68.9
Std Dev 0

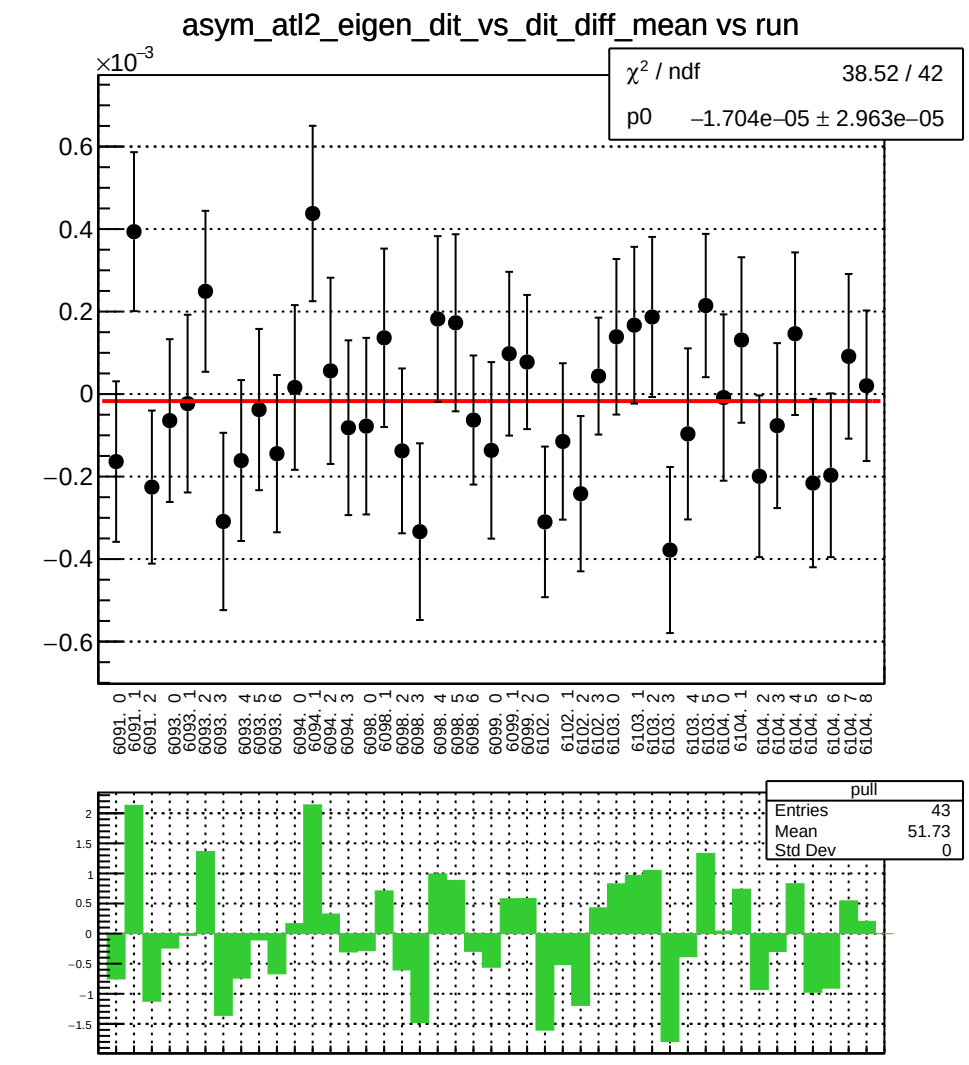

pull1D
Entries 43
Mean 0.02296
Std Dev 1.122

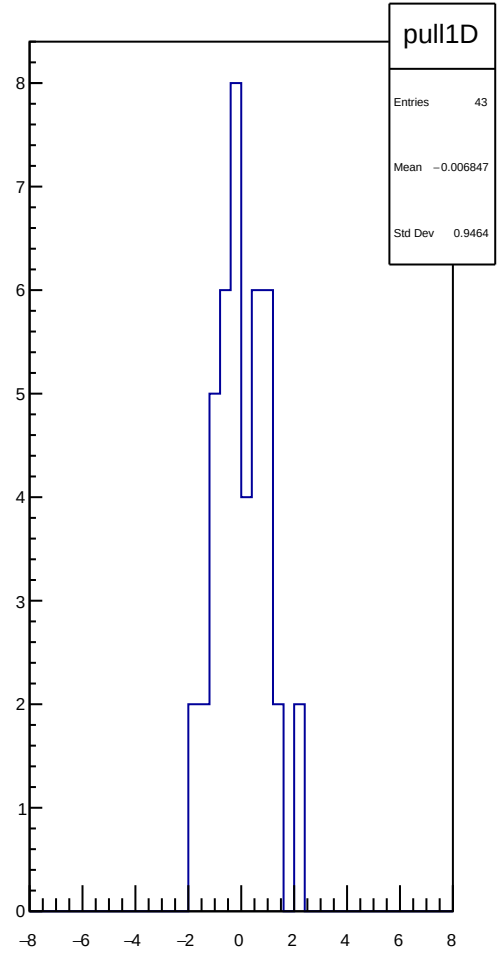

asym_atl2_dit_vs_cor_diff_rms vs run
χ² / ndf 8.245e+04 / 42
p0 215.6 ± 0.2497
450
400
350
300
250
200
150
100
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

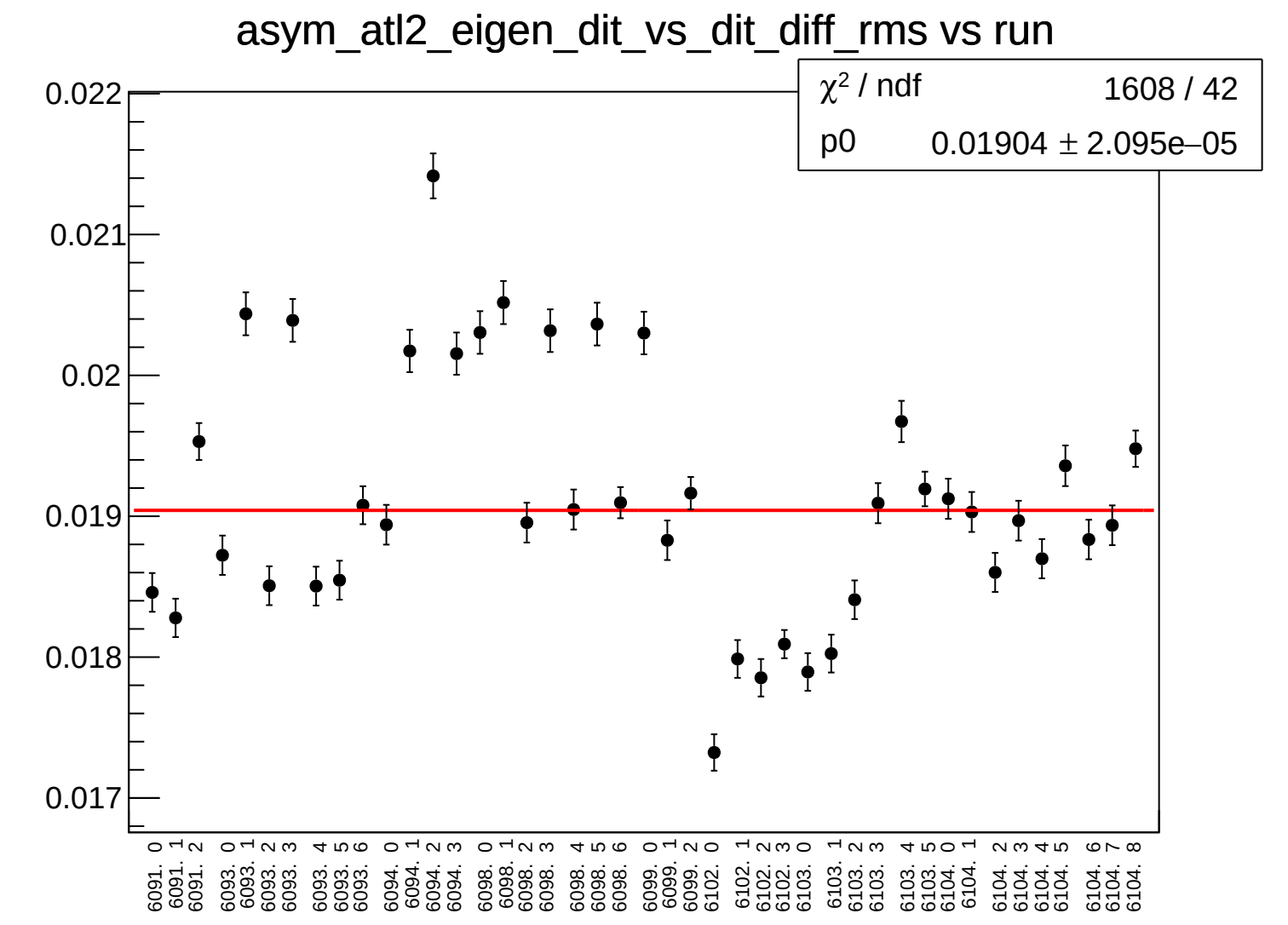

asym_atl2_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 54.19 / 42
p0 −0.1887 ± 0.3532
pull
Entries 43
Mean 68.9
Std Dev 0

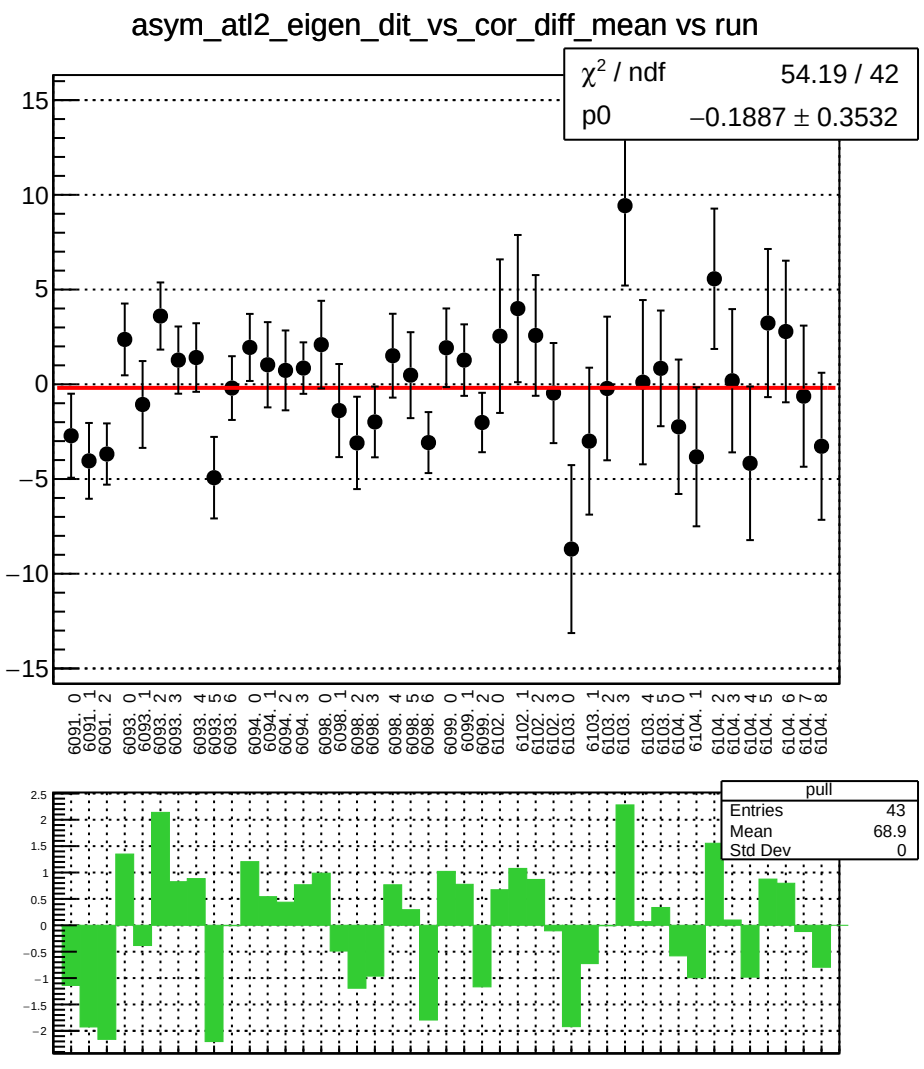

pull1D
Entries 43
Mean 0.02296
Std Dev 1.122

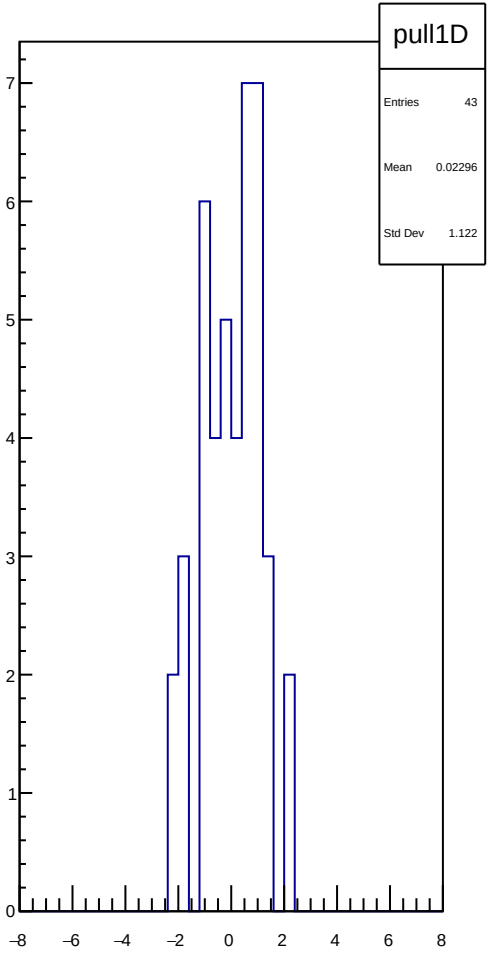

asym_atl2_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 8.245e+04 / 42
p0 215.6 ± 0.2497
450
400
350
300
250
200
150
100
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

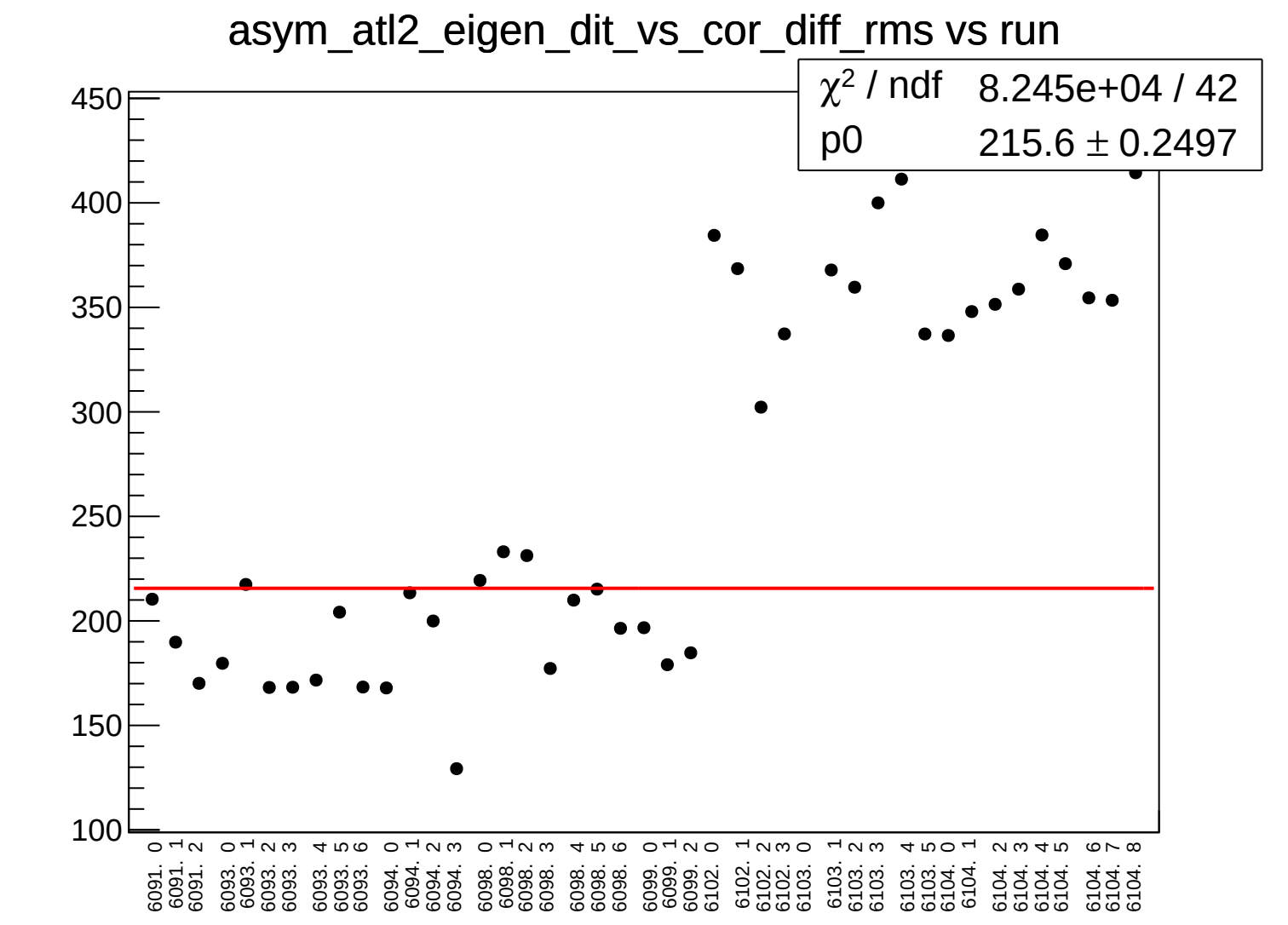

asym_atl2_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 38.52 / 42
p0 −1.704e−05 ± 2.963e−05
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 51.73
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5

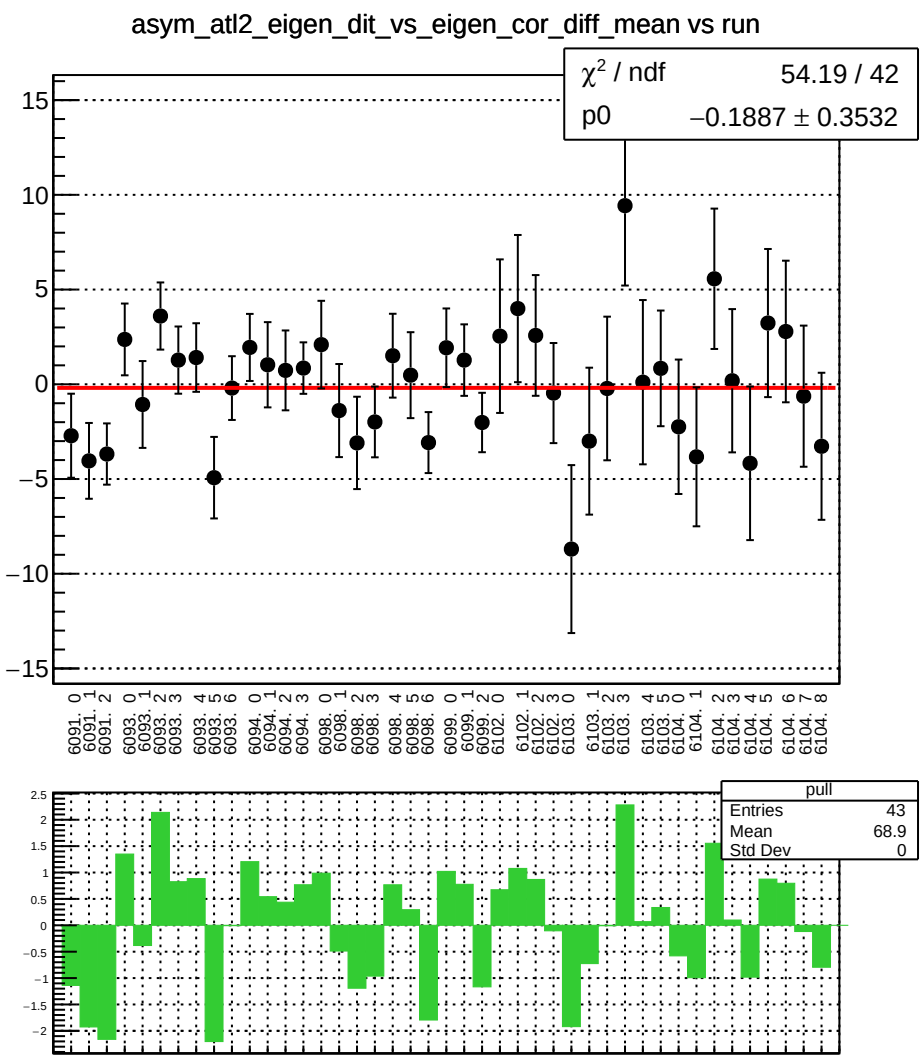

pull1D
Entries 43
Mean −0.006847
Std Dev 0.9464
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

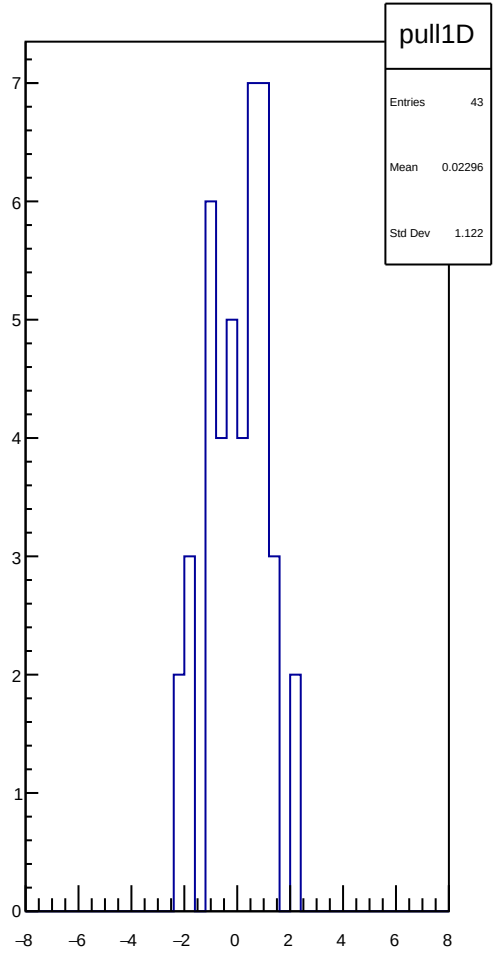

asym_atl2_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 1608 / 42
p0 0.01904 ± 2.095e−05
0.022
0.021
0.02
0.019
0.018
0.017
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

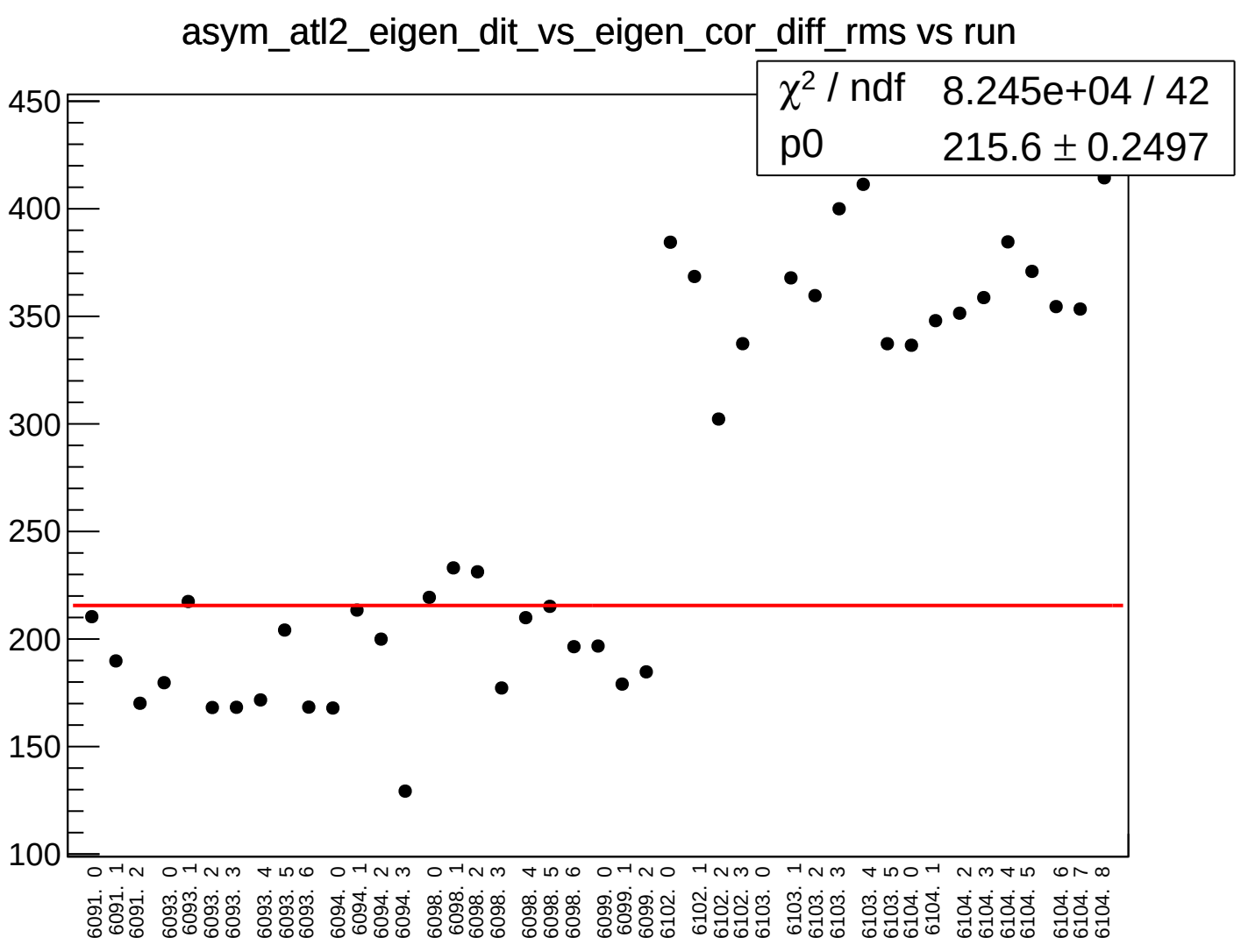

asym_atl2_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 54.19 / 42
p0 −0.1887 ± 0.3532
15
10
5
0
−5
−10
−15
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 68.9
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

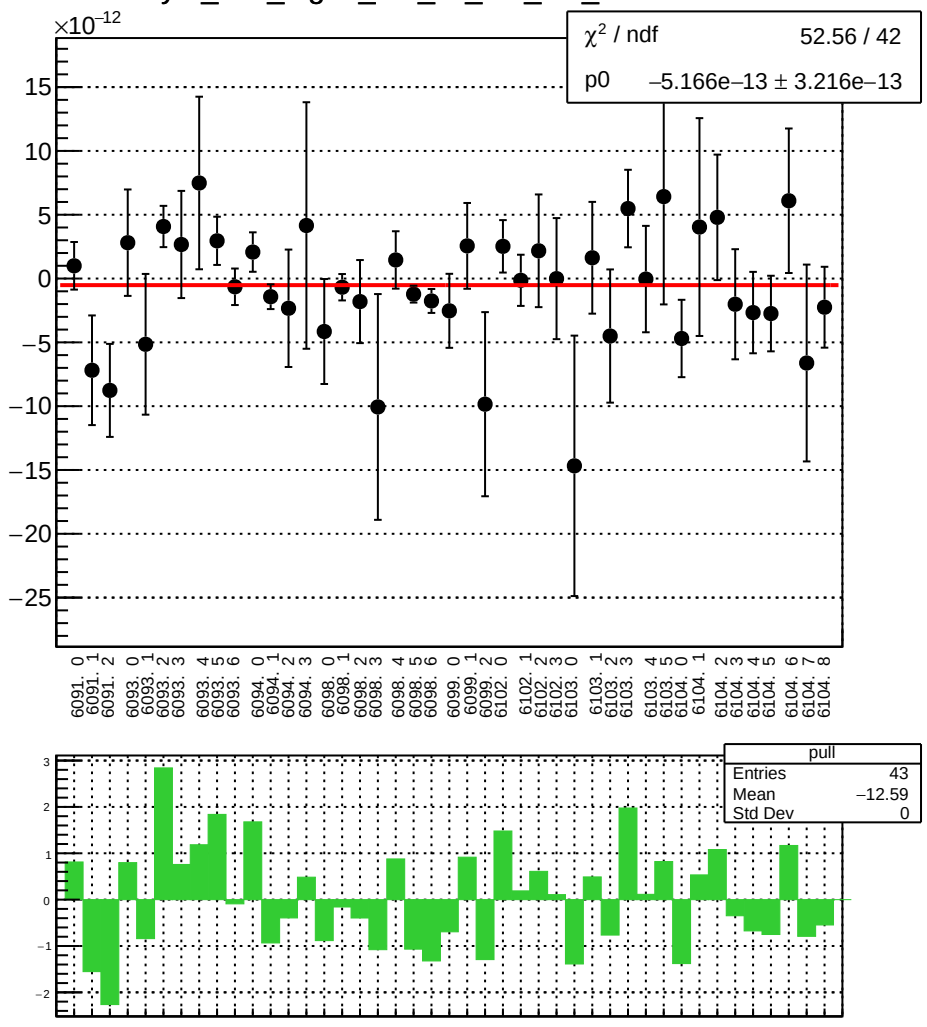

pull1D
Entries 43
Mean 0.02296
Std Dev 1.122
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

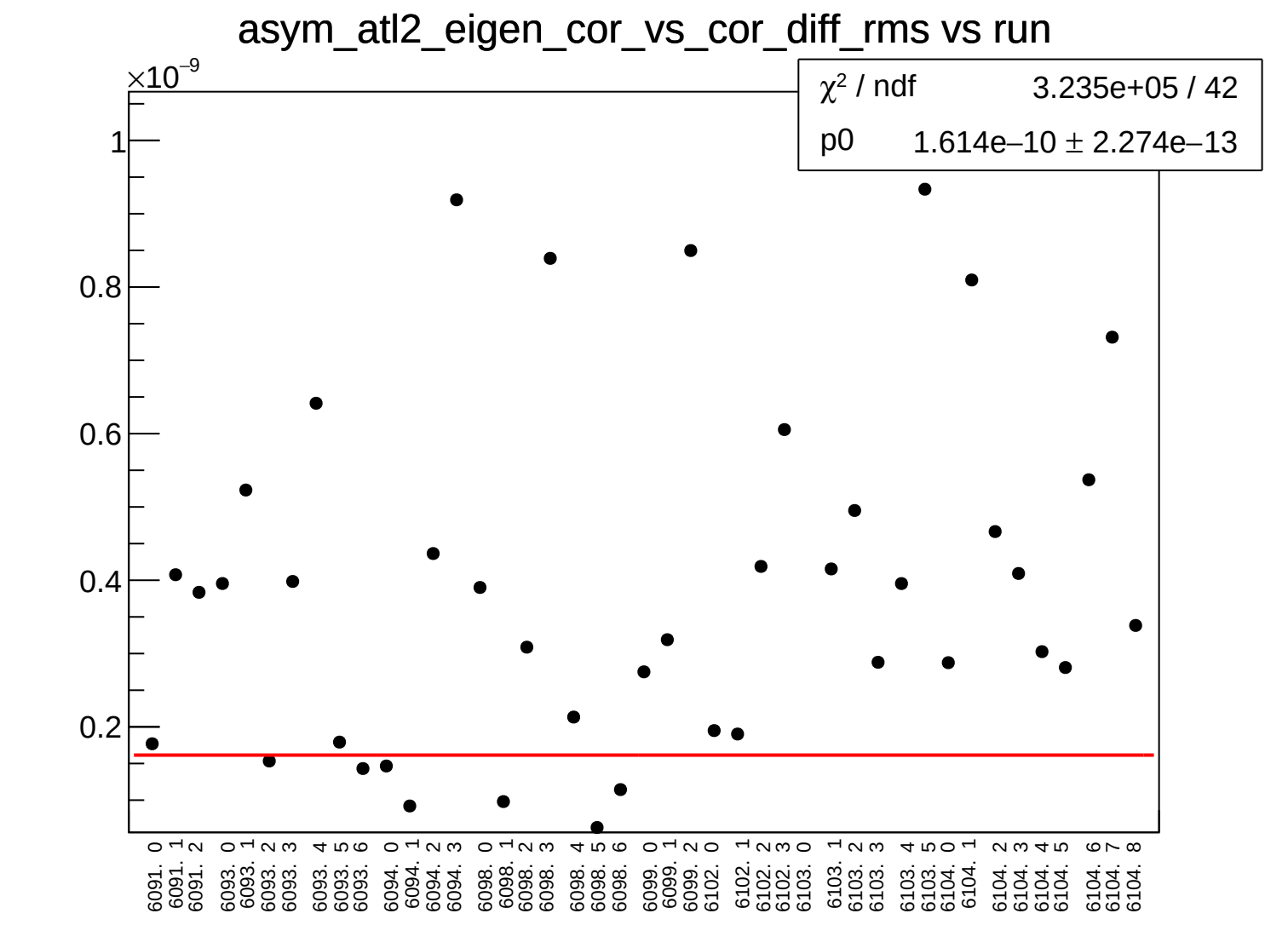

asym_atl2_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 8.245e+04 / 42
p0 215.6 ± 0.2497
450
400
350
300
250
200
150
100
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

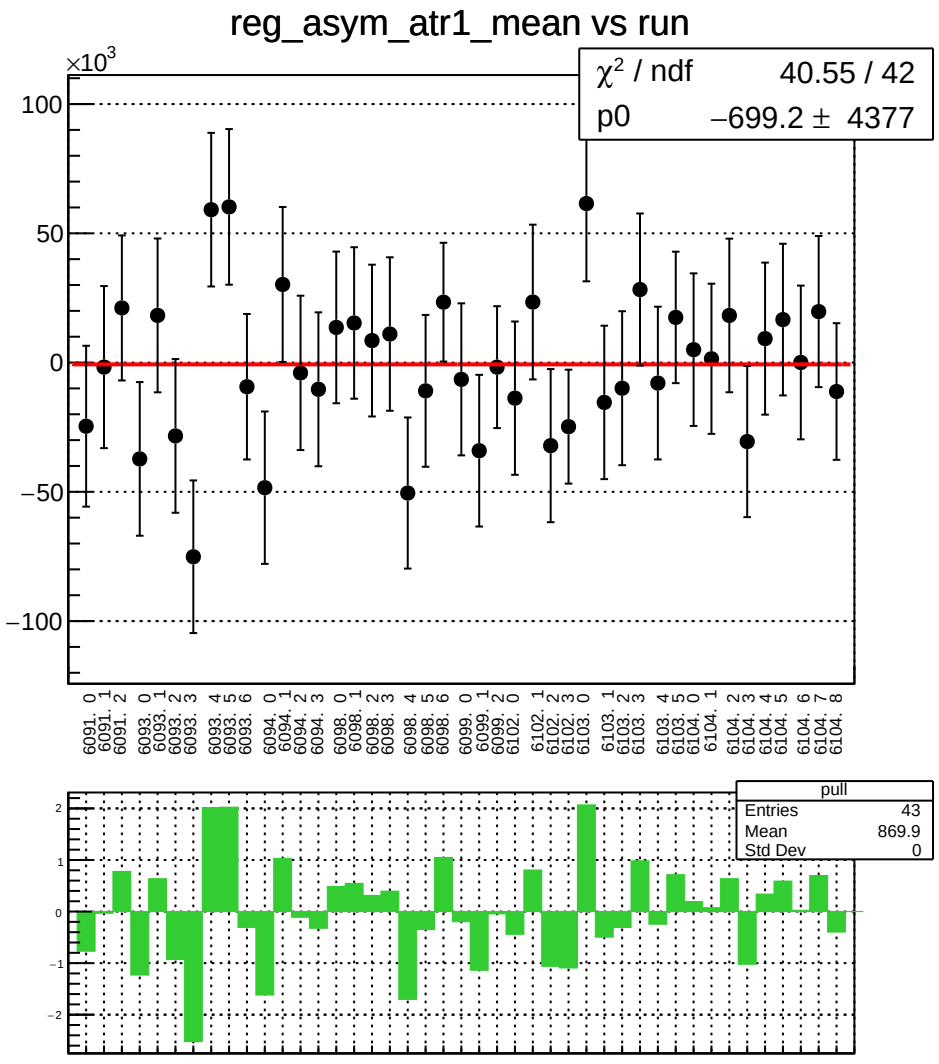

asym_atl2_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 54.19 / 42
p0 −0.1887 ± 0.3532
pull
Entries 43
Mean 68.9
Std Dev 0

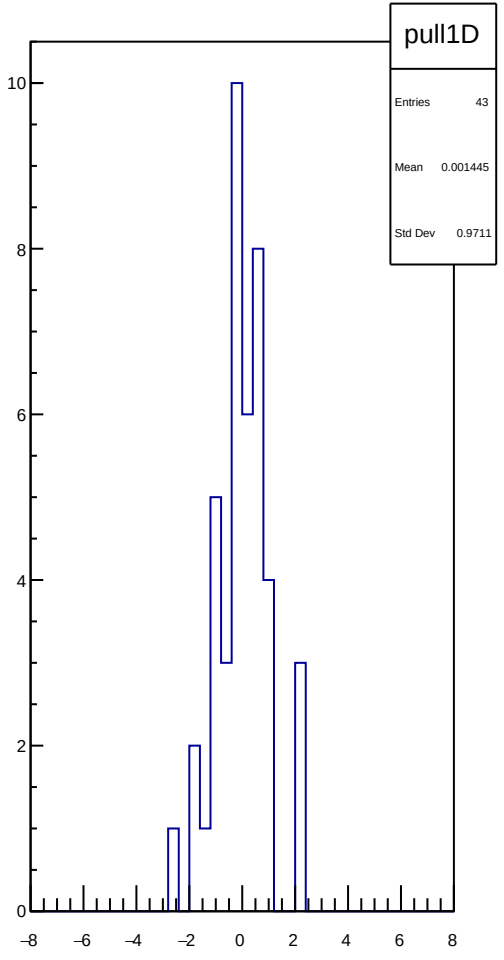

pull1D
Entries 43
Mean 0.02296
Std Dev 1.122

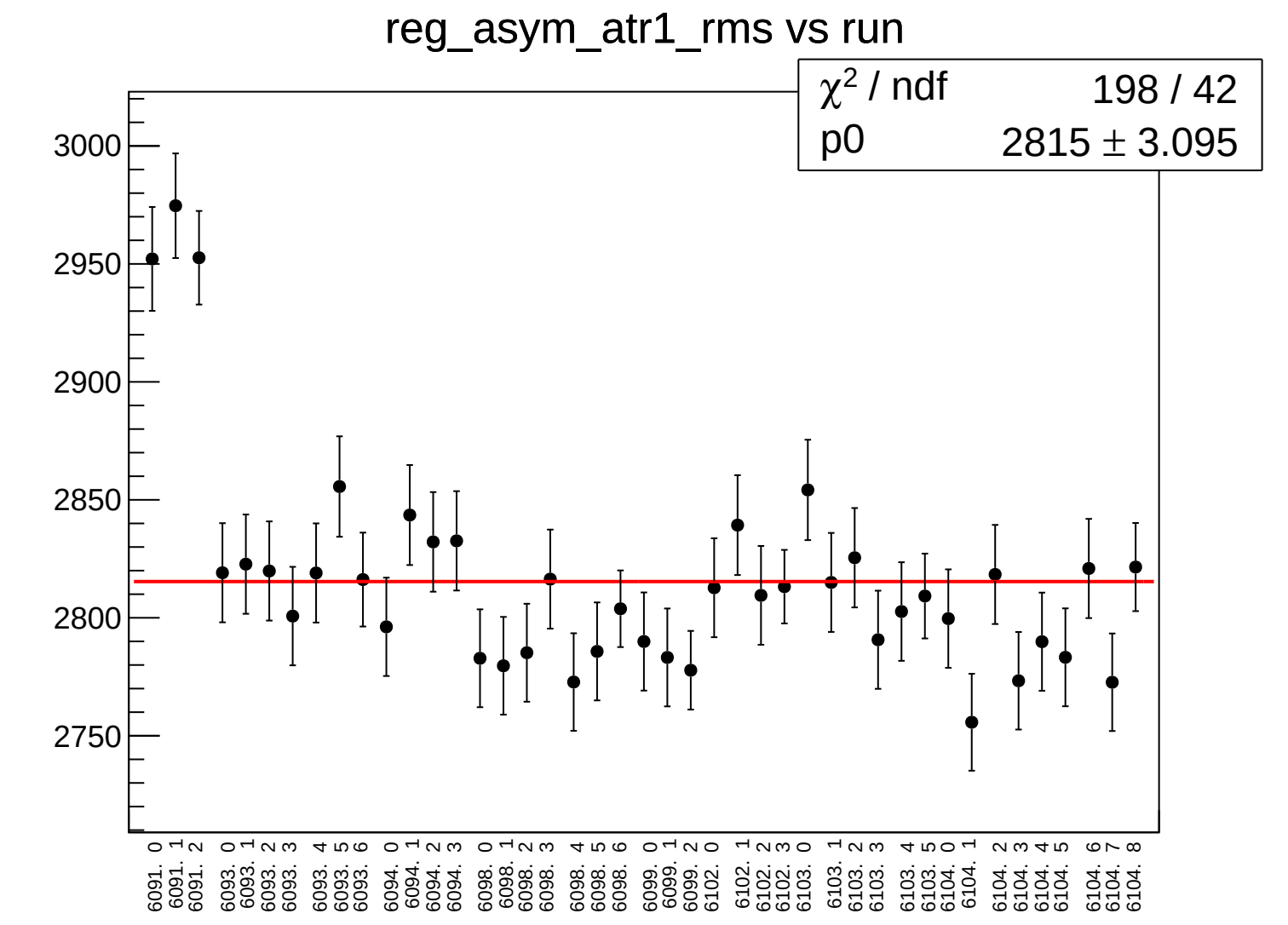

asym_atl2_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 8.245e+04 / 42
p0 215.6 ± 0.2497
450
400
350
300
250
200
150
100
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

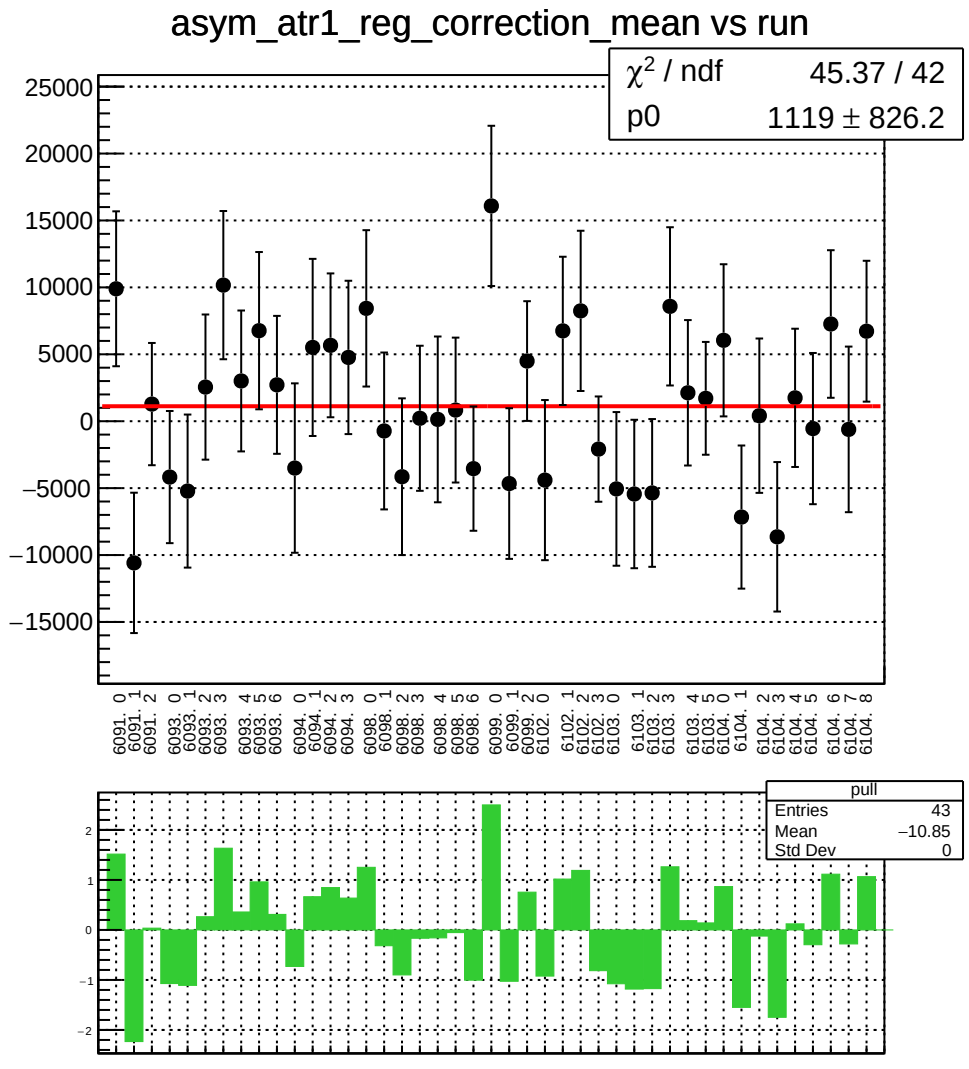

asym_atl2_eigen_cor_vs_cor_diff_mean vs run
×10−12
χ2 / ndf 52.56 / 42
p0 −5.166e−13 ± 3.216e−13
pull
Entries 43
Mean −12.59
Std Dev 0
pull1D
Entries 43
Mean 0.02659
Std Dev 1.105

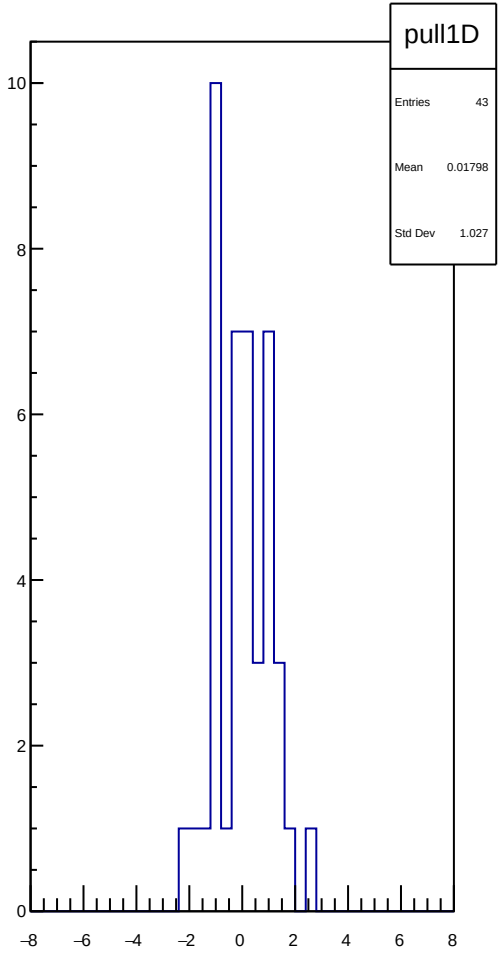

asym_atl2_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 3.235e+05 / 42
p0 1.614e−10 ± 2.274e−13
1
0.8
0.6
0.4
0.2
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

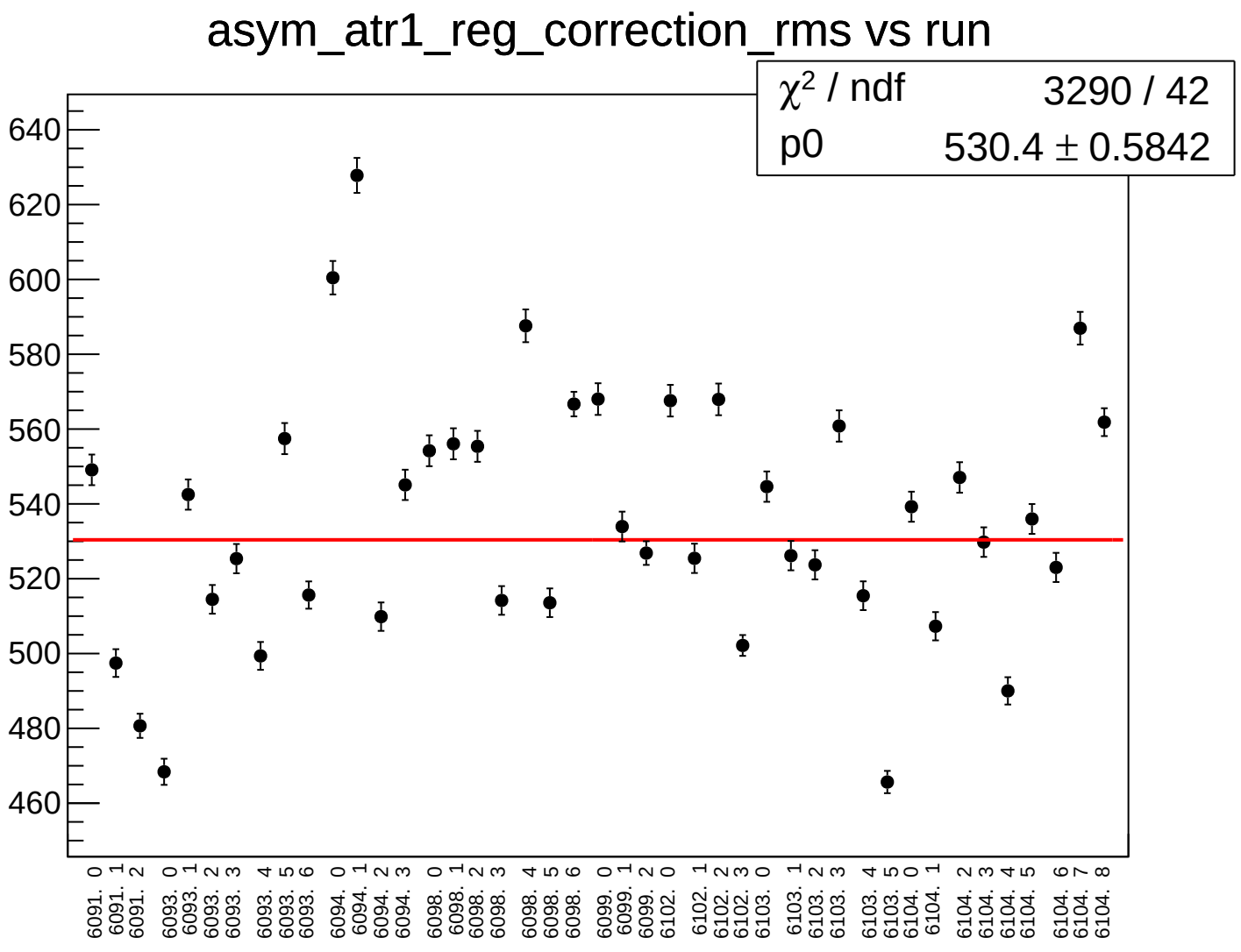

reg_asym_atr1_mean vs run
×10^3
χ² / ndf 40.55 / 42
p0 −699.2 ± 4377
100
50
0
−50
−100
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 869.9
Std Dev 0
2
1
0
−1
−2

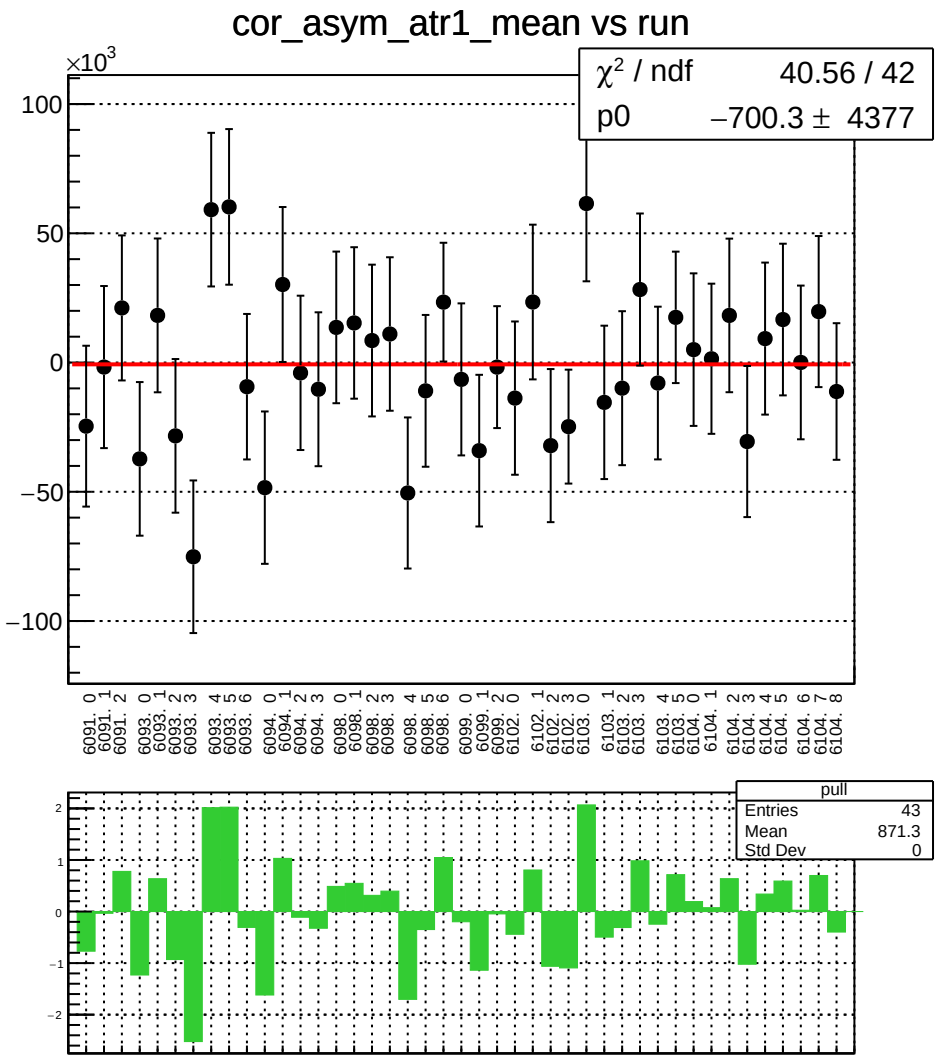

pull1D
Entries 43
Mean 0.001445
Std Dev 0.9711
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

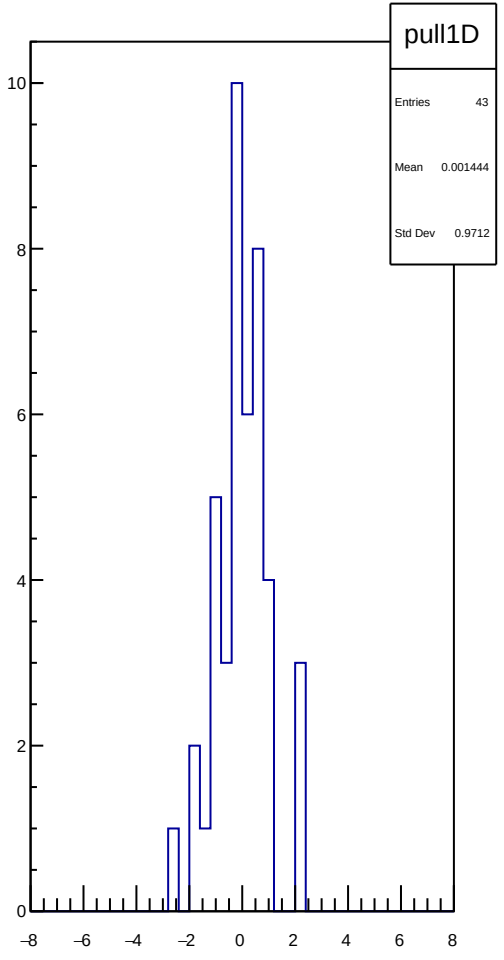

reg_asym_atr1_rms vs run
χ² / ndf 198 / 42
p0 2815 ± 3.095
3000
2950
2900
2850
2800
2750
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

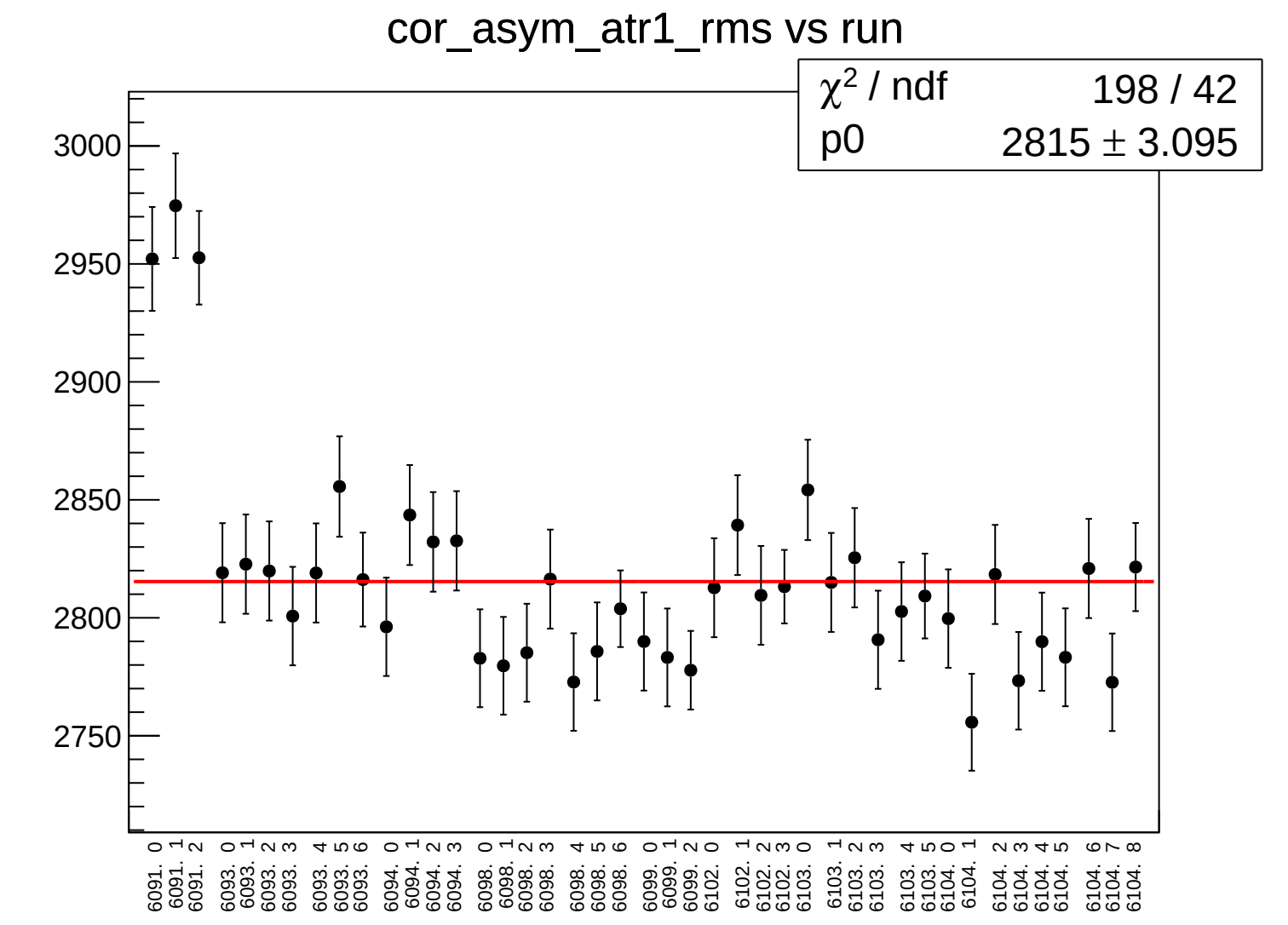

asym_atr1_reg_correction_mean vs run
χ² / ndf 45.37 / 42
p0 1119 ± 826.2
25000
20000
15000
10000
5000
0
−5000
−10000
−15000
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean −10.85
Std Dev 0
2
1
0
−1
−2

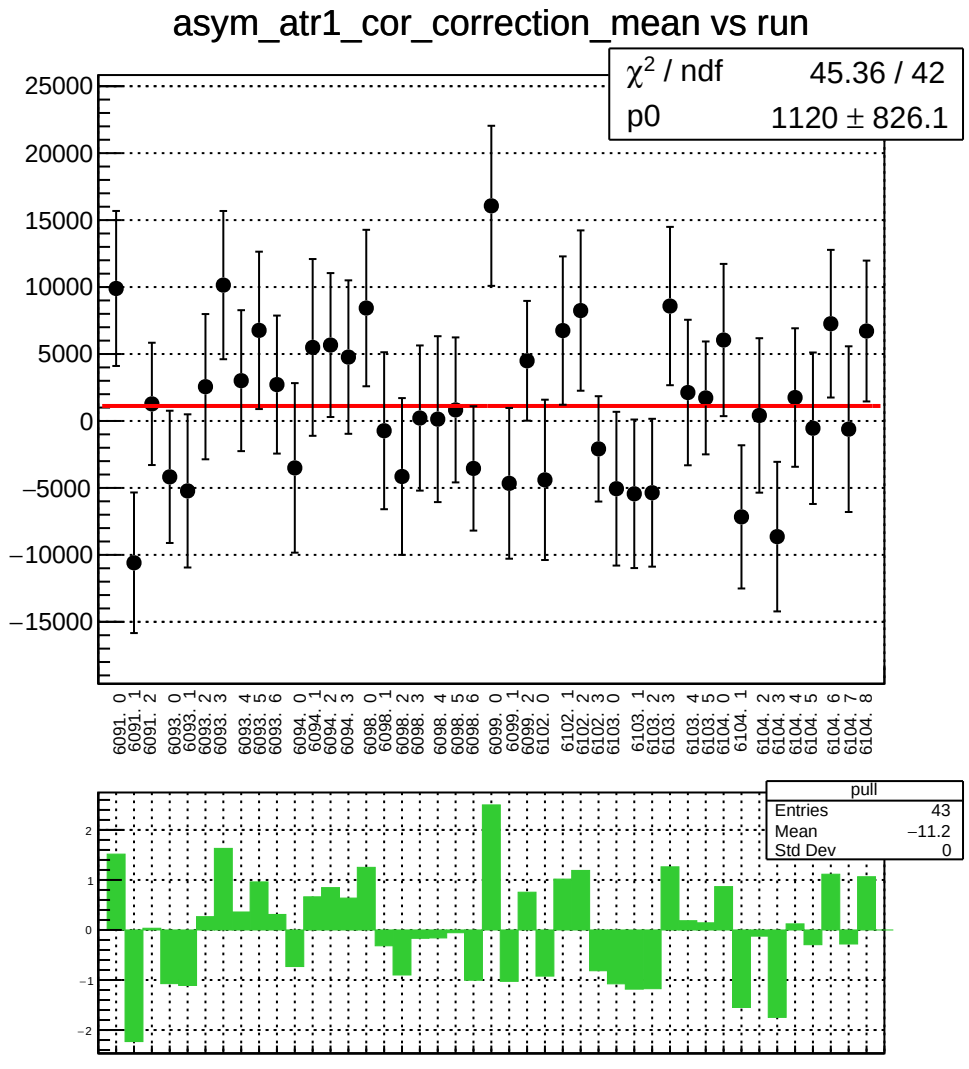

pull1D
Entries 43
Mean 0.01798
Std Dev 1.027
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

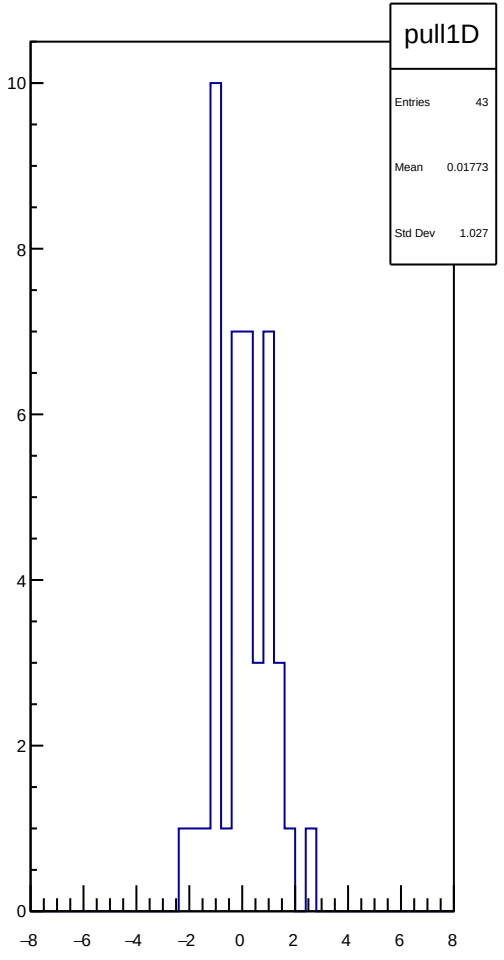

asym_atr1_reg_correction_rms vs run
χ² / ndf 3290 / 42
p0 530.4 ± 0.5842
640
620
600
580
560
540
520
500
480
460
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

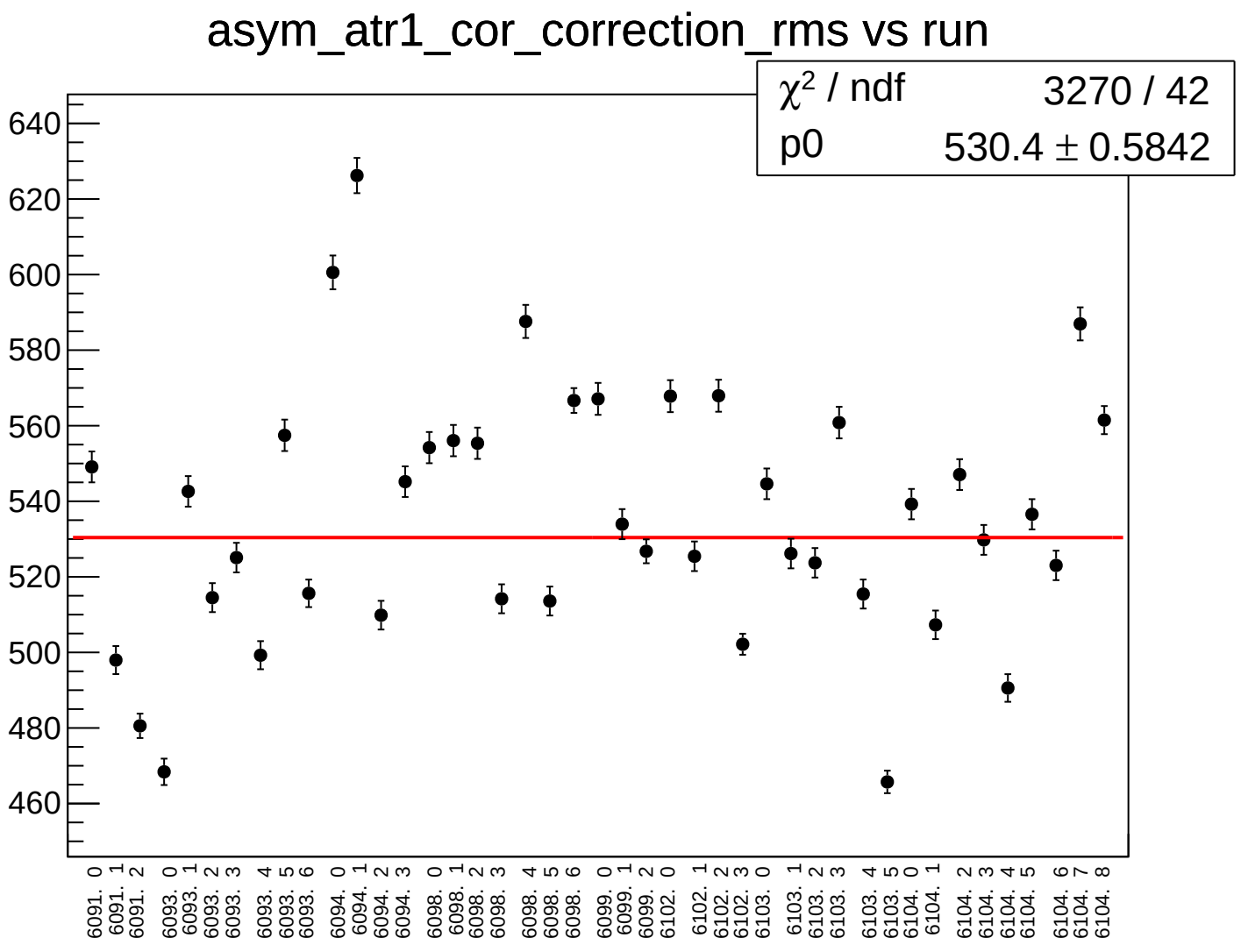

cor_asym_atr1_mean vs run
×10^3
χ² / ndf 40.56 / 42
p0 −700.3 ± 4377
100
50
0
−50
−100
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 871.3
Std Dev 0
2
1
0
−1
−2

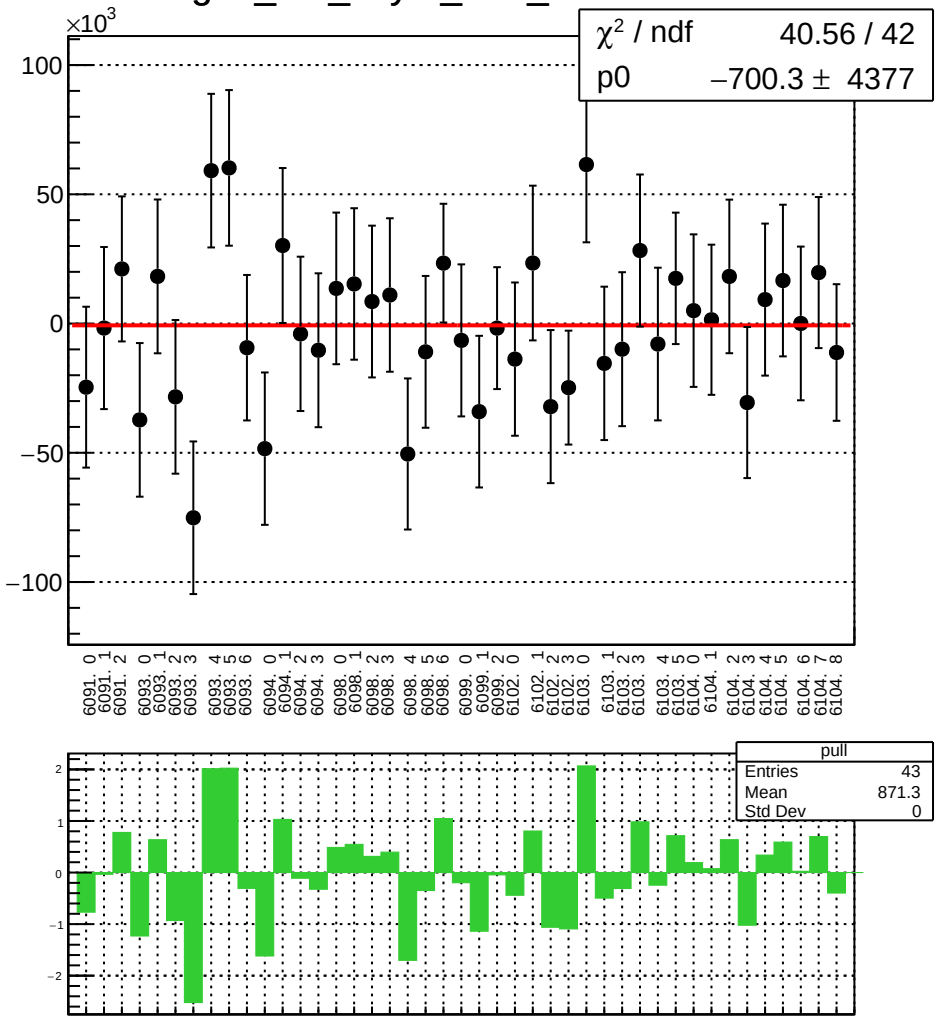

pull1D
Entries 43
Mean 0.001444
Std Dev 0.9712
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

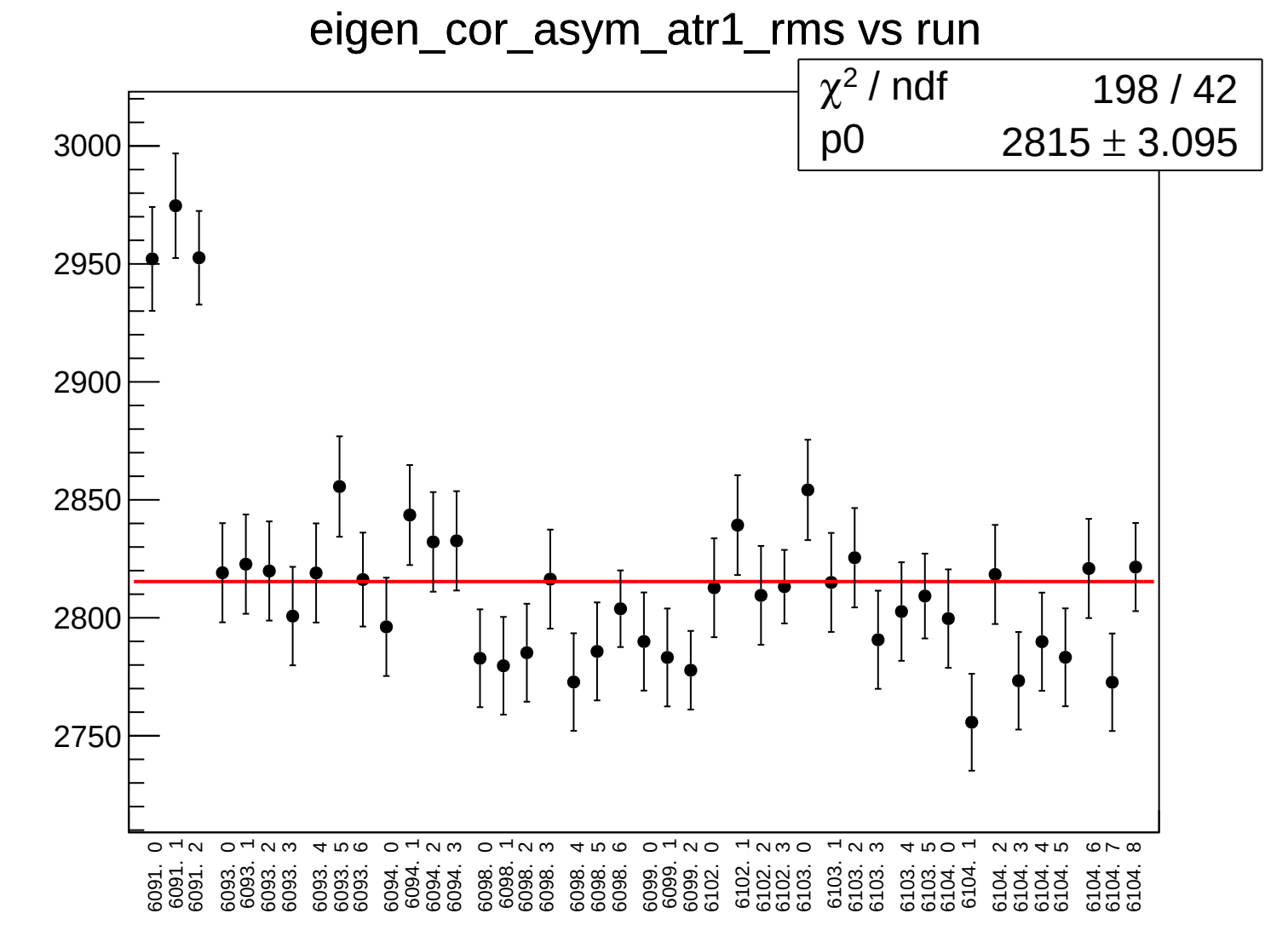

cor_asym_atr1_rms vs run
χ² / ndf 198 / 42
p0 2815 ± 3.095
3000
2950
2900
2850
2800
2750
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

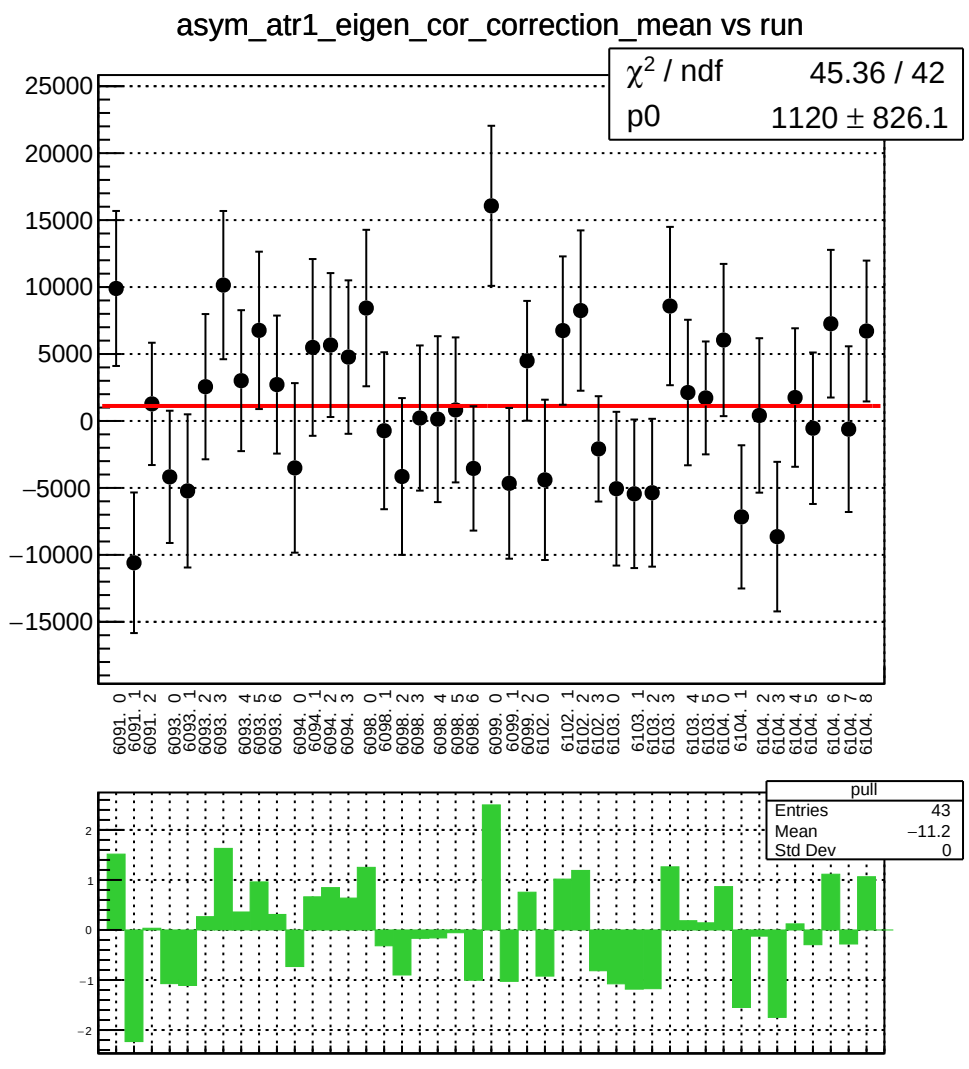

asym_atr1_cor_correction_mean vs run
χ² / ndf 45.36 / 42
p0 1120 ± 826.1
pull
Entries 43
Mean −11.2
Std Dev 0

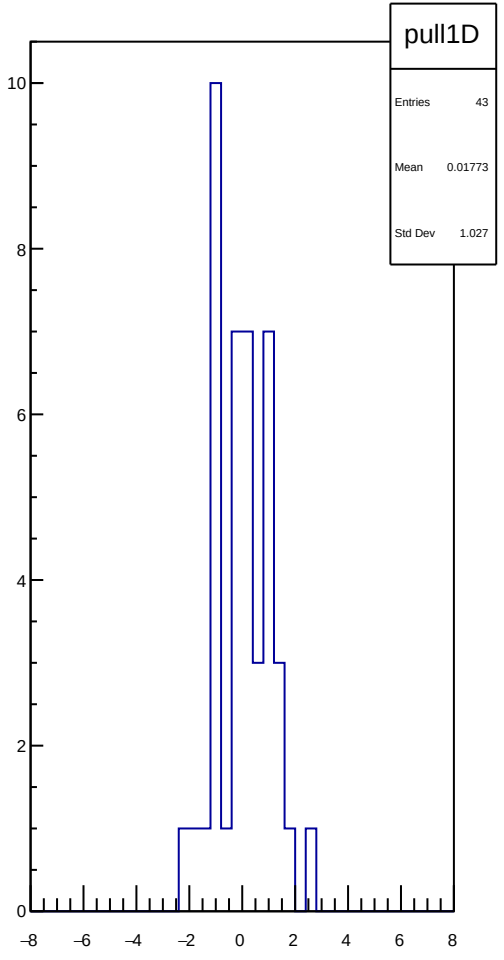

pull1D
Entries 43
Mean 0.01773
Std Dev 1.027

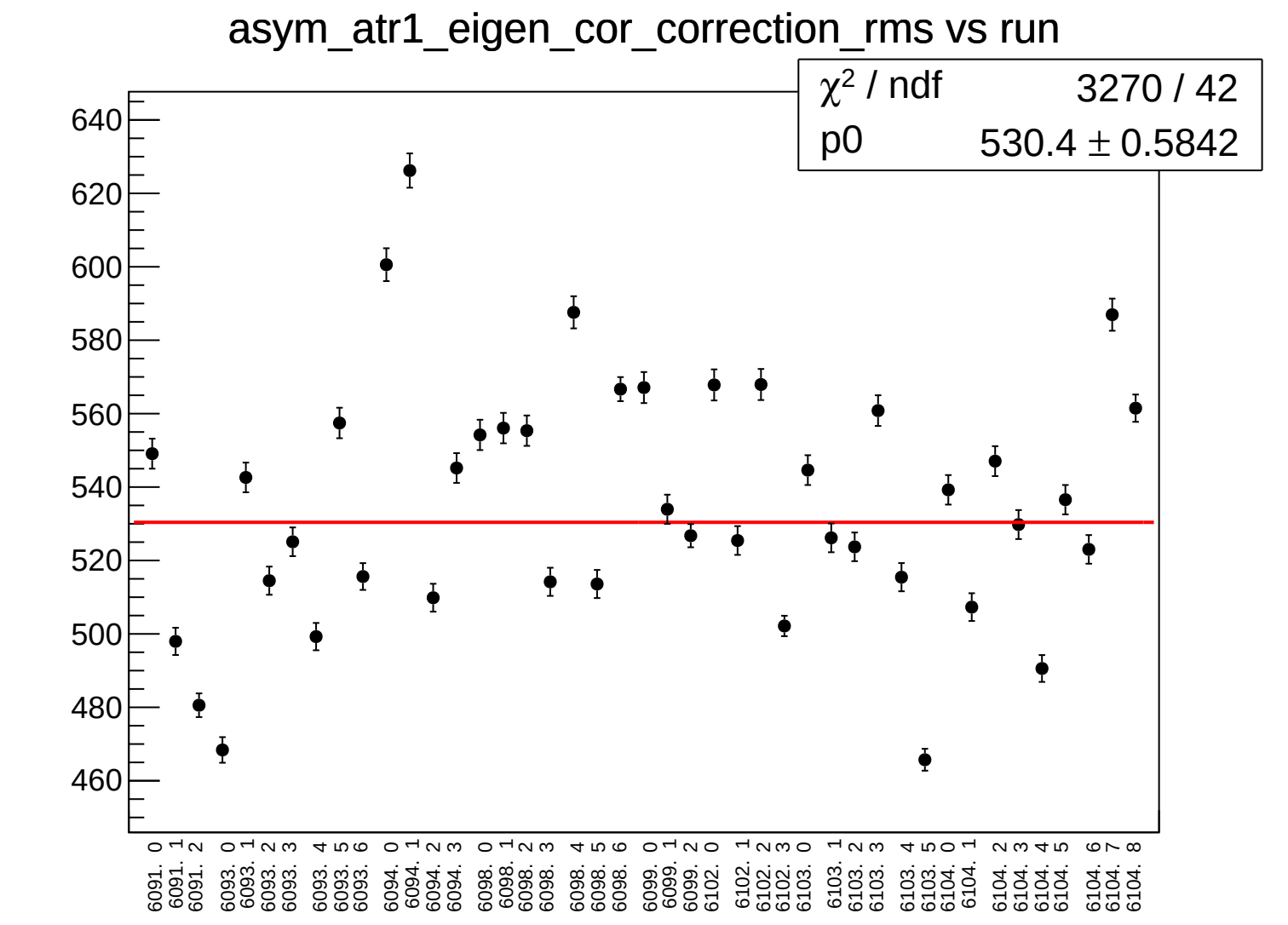

asym_atr1_cor_correction_rms vs run
χ² / ndf 3270 / 42
p0 530.4 ± 0.5842
640
620
600
580
560
540
520
500
480
460
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

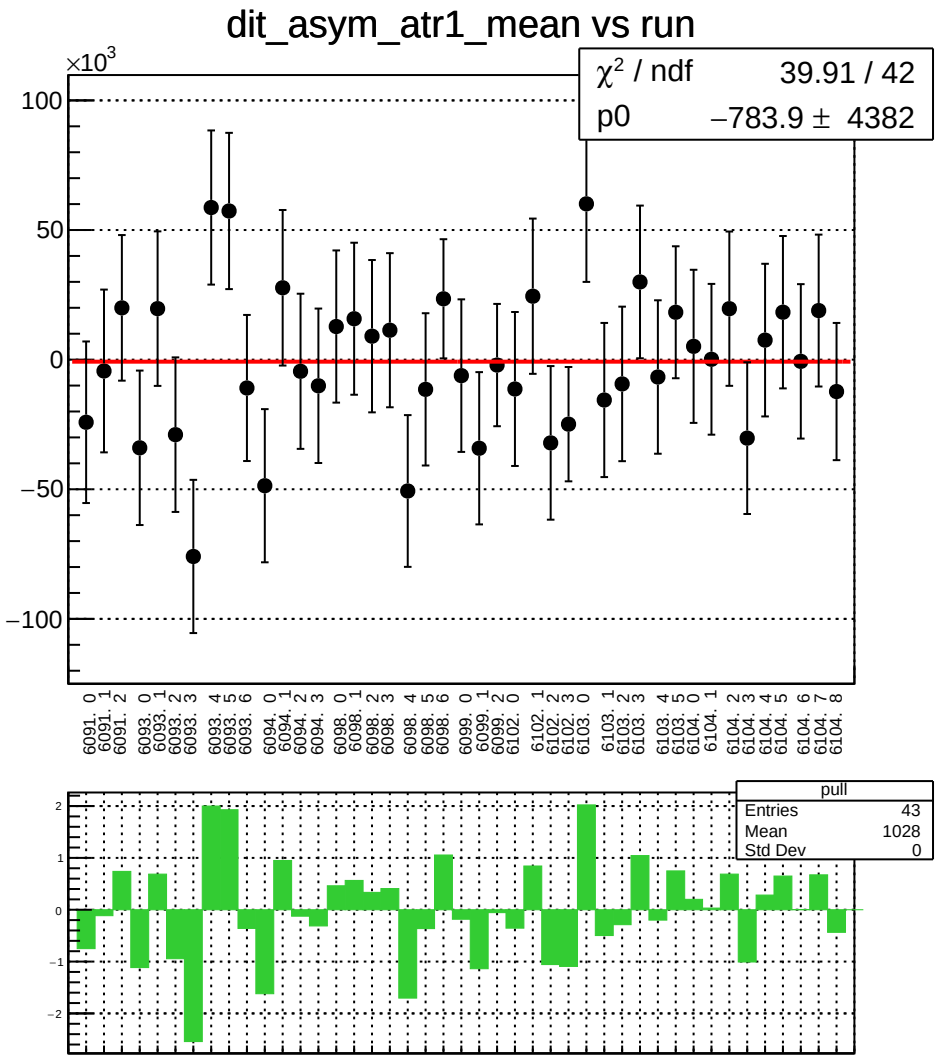

eigen_cor_asym_atr1_mean vs run
×10^3
χ² / ndf 40.56 / 42
p0 −700.3 ± 4377
100
50
0
−50
−100
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 871.3
Std Dev 0
2
1
0
−1
−2
pull1D
Entries 43
Mean 0.001444
Std Dev 0.9712
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

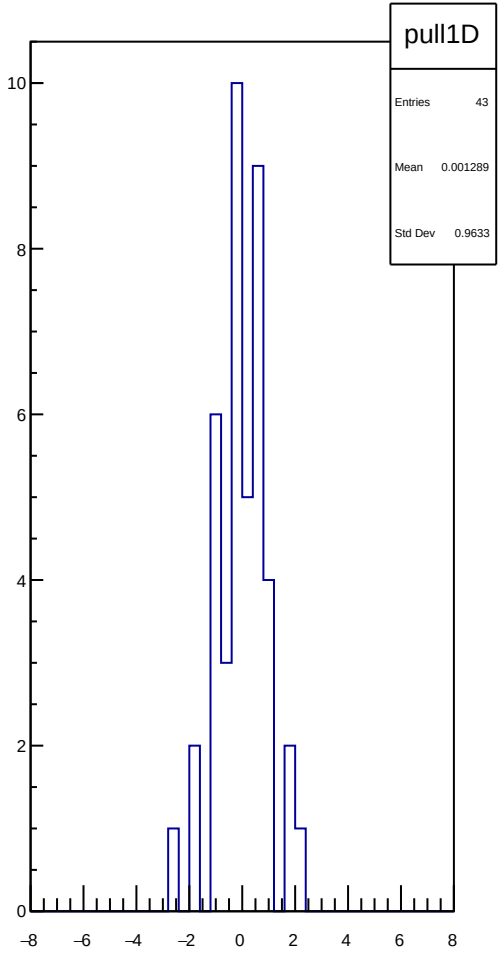

eigen_cor_asym_atr1_rms vs run
χ² / ndf 198 / 42
p0 2815 ± 3.095
3000
2950
2900
2850
2800
2750
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

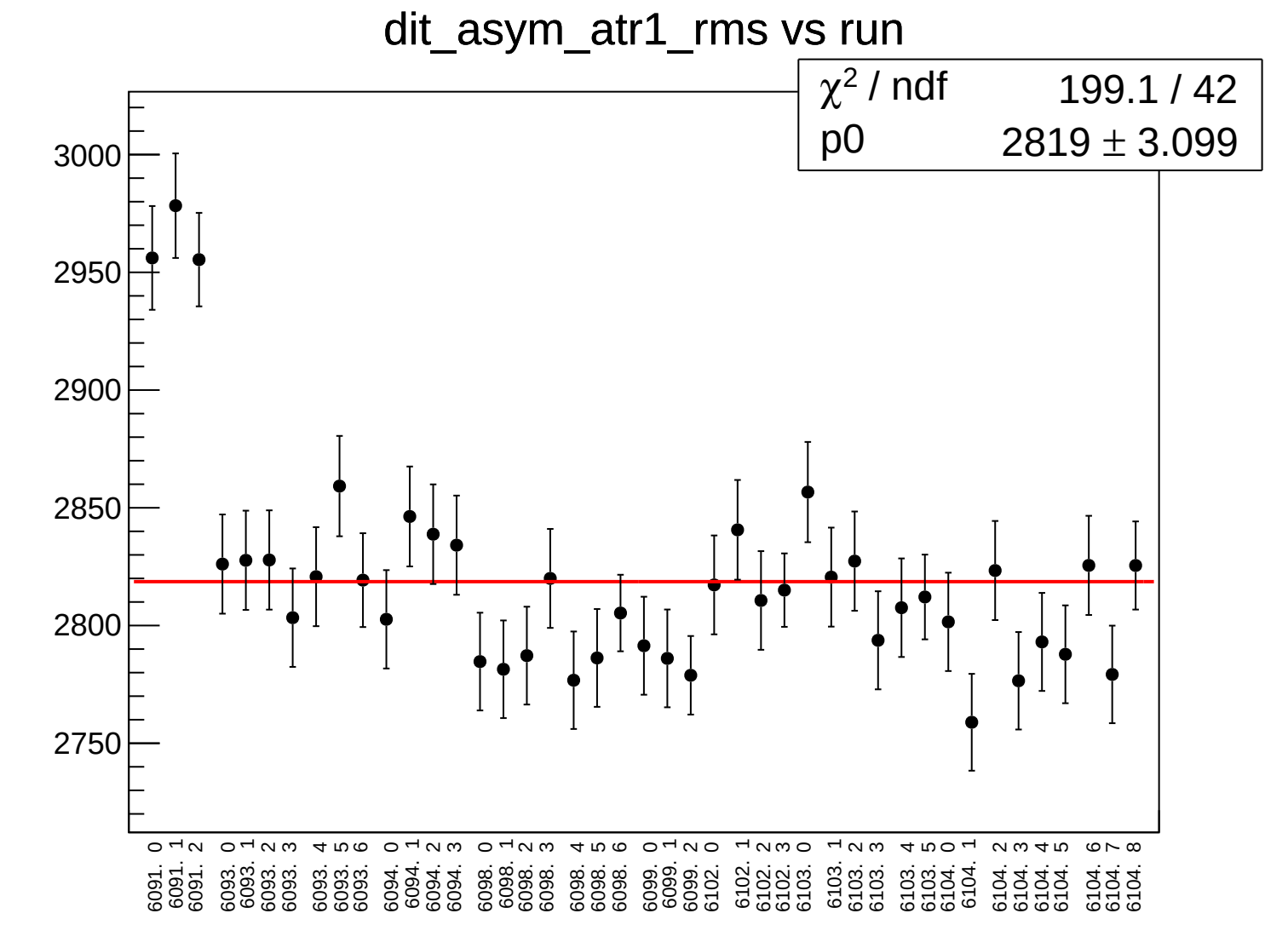

asym_atr1_eigen_cor_correction_mean vs run
χ² / ndf 45.36 / 42
p0 1120 ± 826.1
25000
20000
15000
10000
5000
0
−5000
−10000
−15000
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean −11.2
Std Dev 0
2
1
0
−1
−2

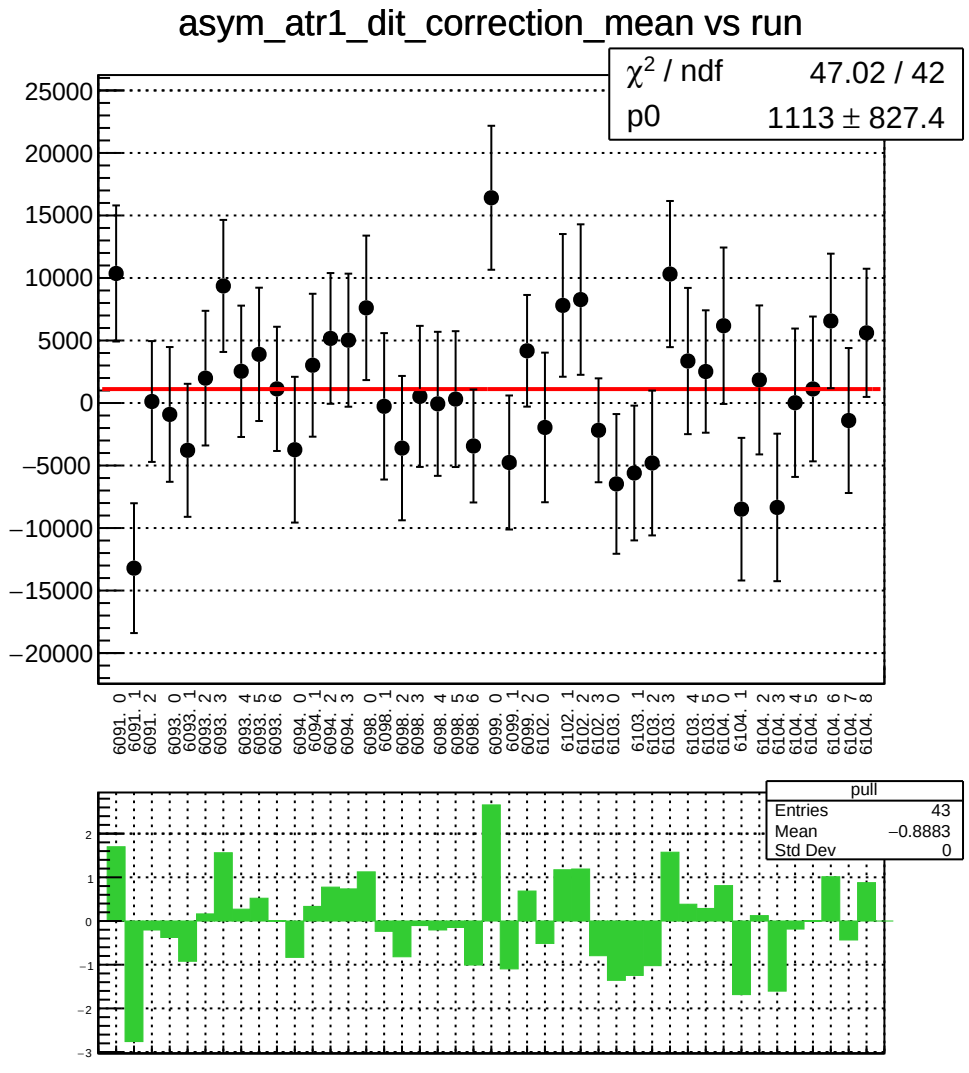

pull1D
Entries 43
Mean 0.01773
Std Dev 1.027
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

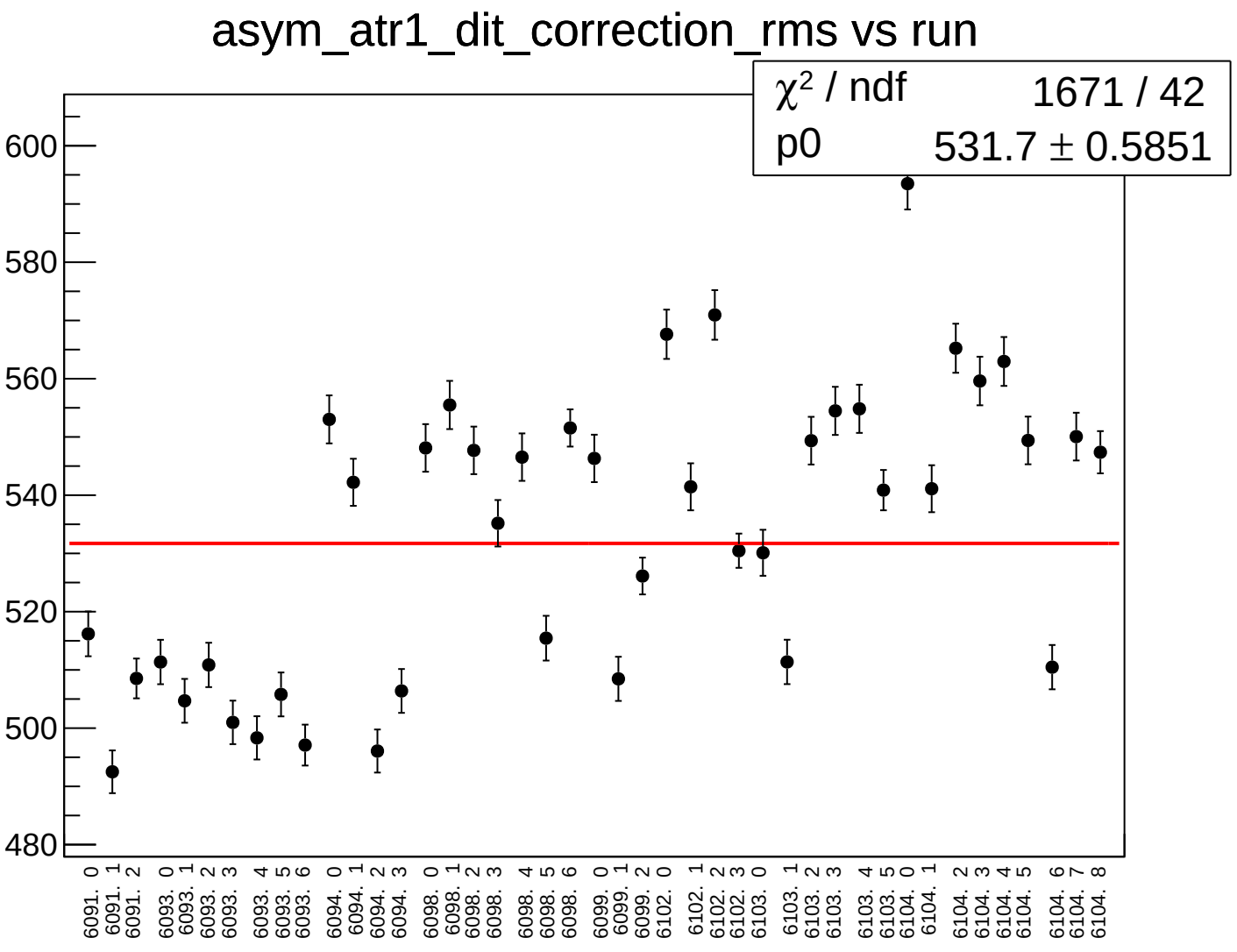

asym_atr1_eigen_cor_correction_rms vs run
χ² / ndf 3270 / 42
p0 530.4 ± 0.5842
640
620
600
580
560
540
520
500
480
460
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

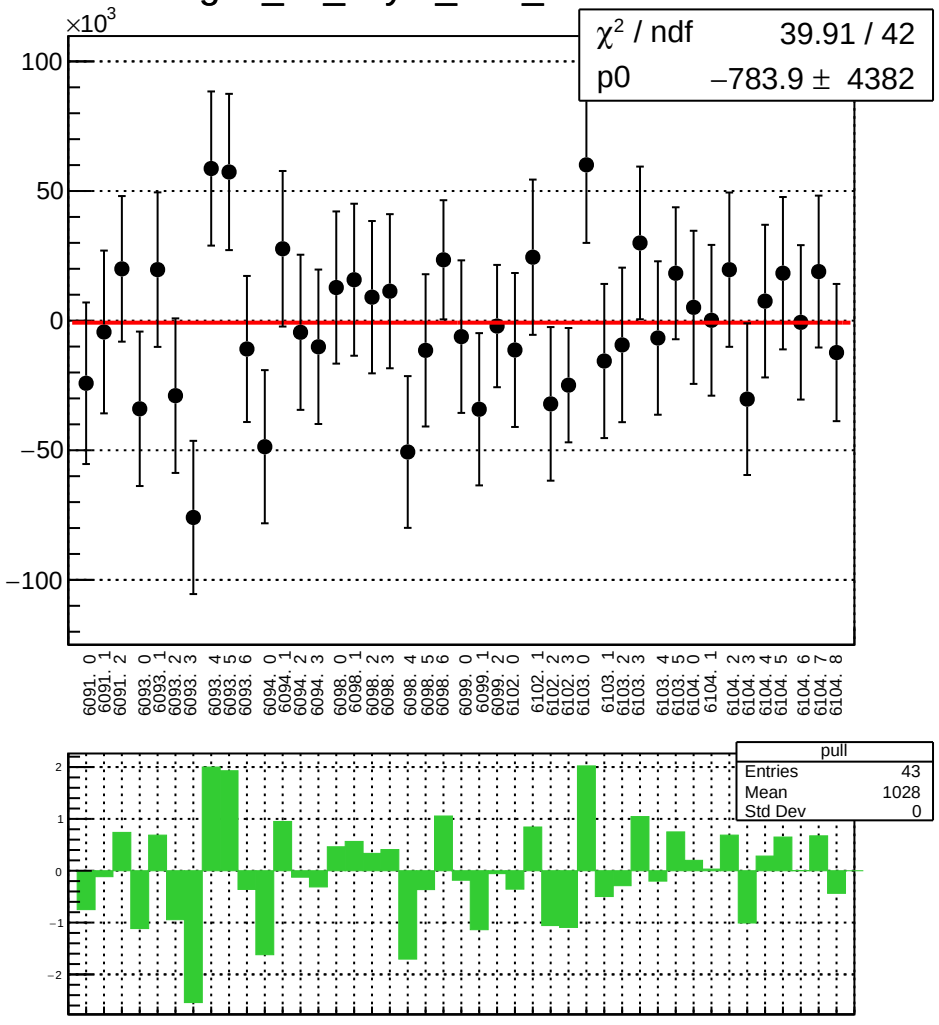

dit_asym_atr1_mean vs run
×10^3
χ² / ndf 39.91 / 42
p0 −783.9 ± 4382
100
50
0
−50
−100
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 1028
Std Dev 0
2
1
0
−1
−2

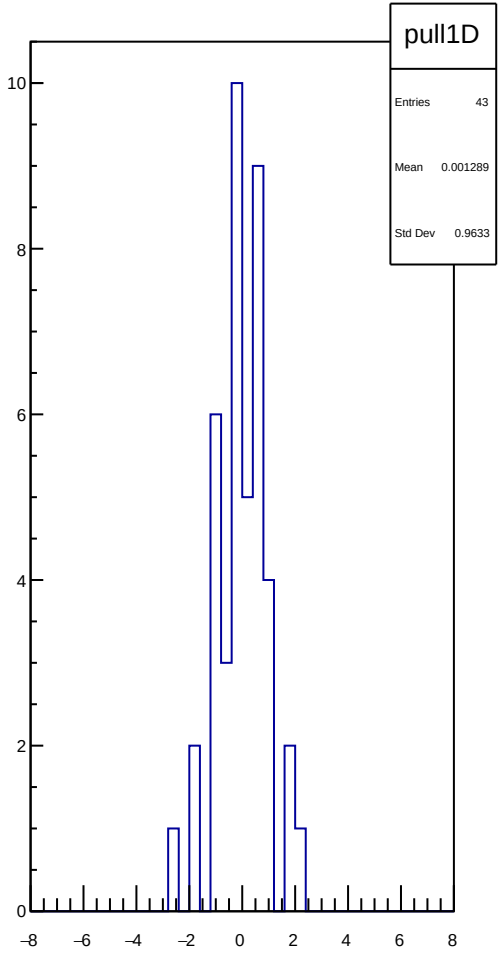

pull1D
Entries 43
Mean 0.001289
Std Dev 0.9633
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

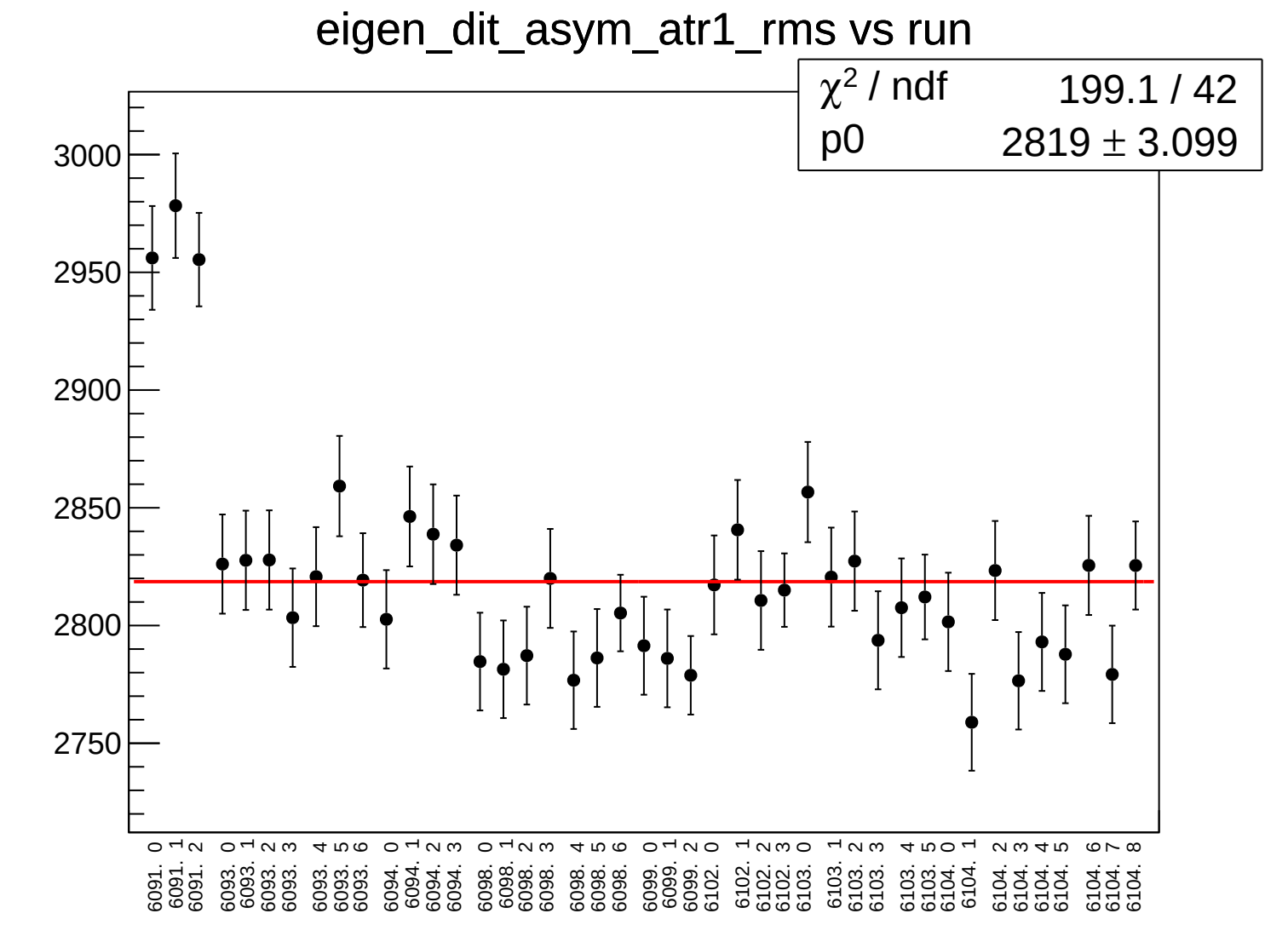

dit_asym_atr1_rms vs run
χ^2 / ndf 199.1 / 42
p0 2819 ± 3.099
3000
2950
2900
2850
2800
2750
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

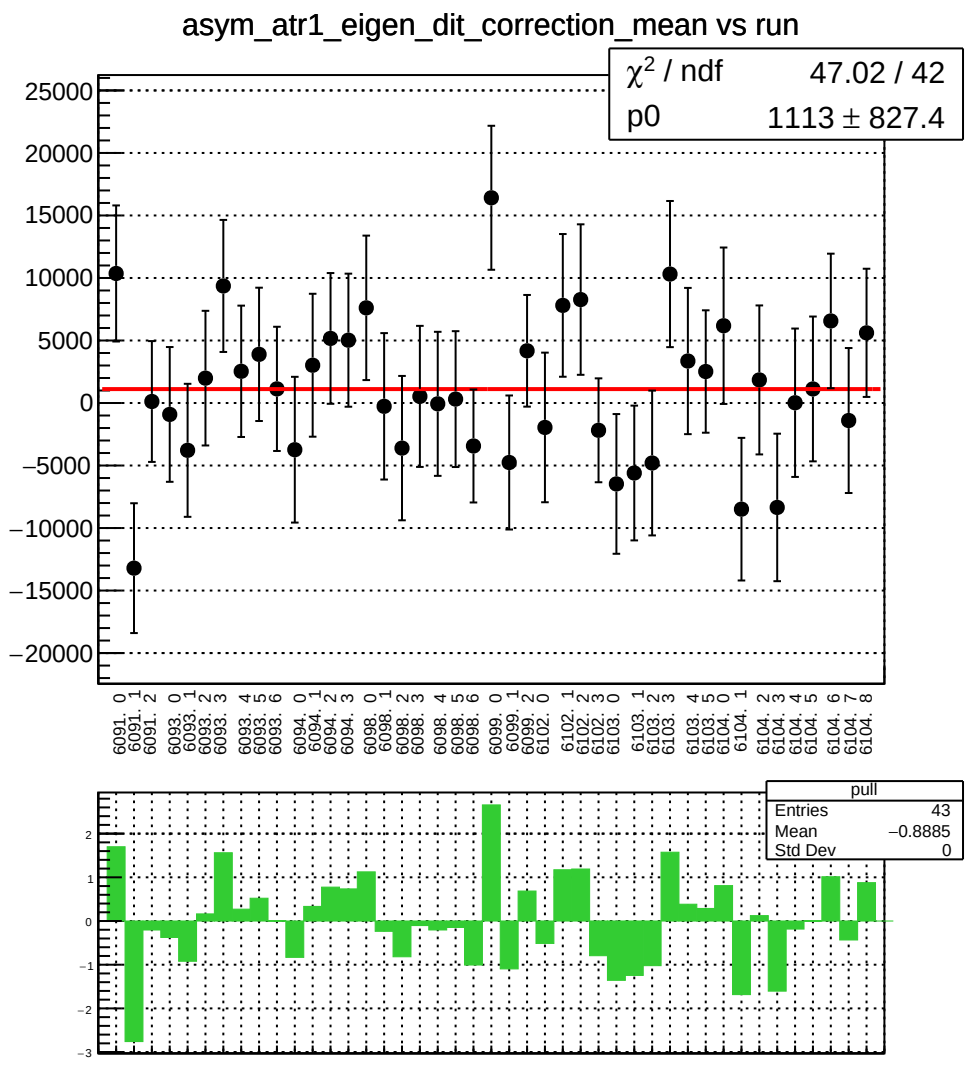

asym_atr1_dit_correction_mean vs run
χ² / ndf 47.02 / 42
p0 1113 ± 827.4
pull
Entries 43
Mean −0.8883
Std Dev 0
pull1D
Entries 43
Mean 0.009875
Std Dev 1.046

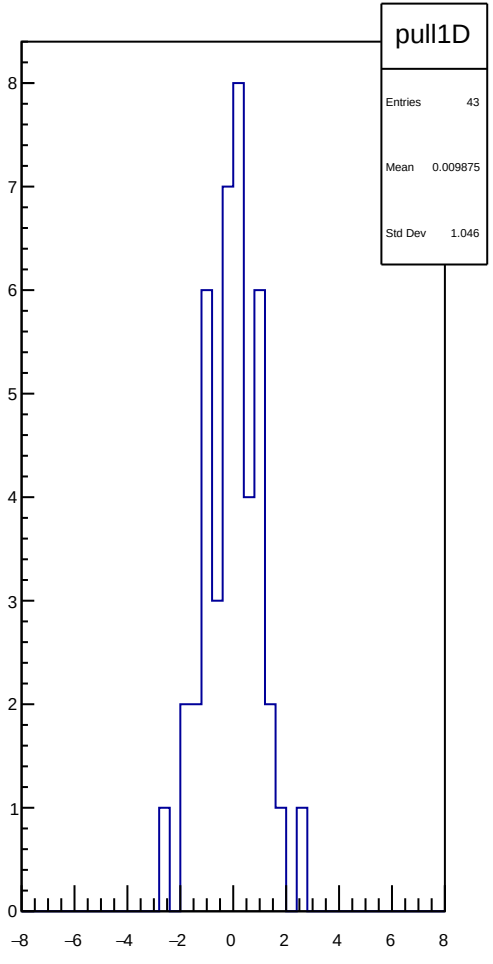

asym_atr1_dit_correction_rms vs run
χ² / ndf 1671 / 42
p0 531.7 ± 0.5851
600
580
560
540
520
500
480
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

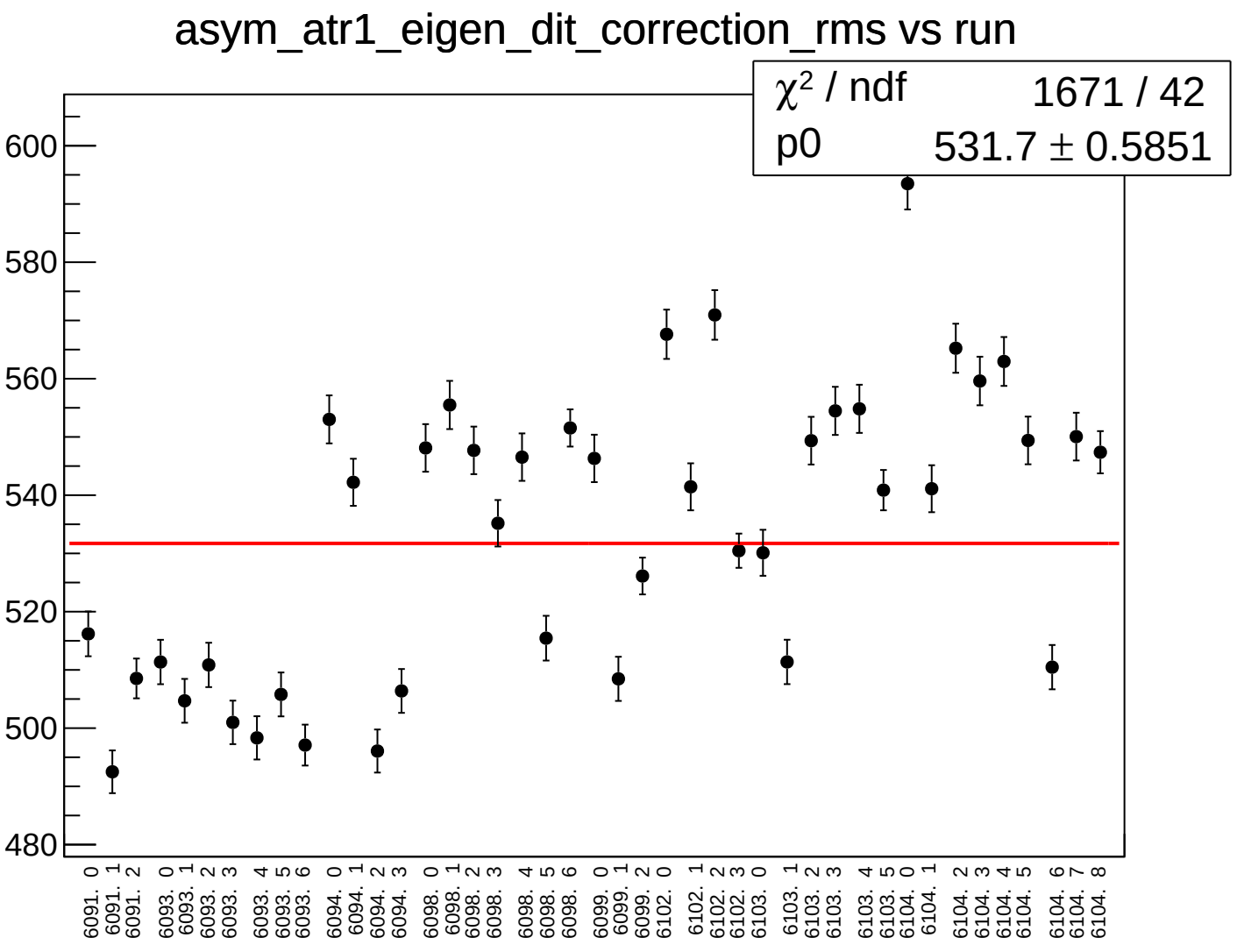

eigen_dit_asym_atr1_mean vs run
×10^3
χ² / ndf 39.91 / 42
p0 −783.9 ± 4382
100
50
0
−50
−100
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 1028
Std Dev 0
2
1
0
−1
−2


pull1D
Entries 43
Mean 0.001289
Std Dev 0.9633
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


eigen_dit_asym_atr1_rms vs run
χ² / ndf 199.1 / 42
p0 2819 ± 3.099
3000
2950
2900
2850
2800
2750
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8


asym_atr1_eigen_dit_correction_mean vs run
χ² / ndf 47.02 / 42
p0 1113 ± 827.4
pull
Entries 43
Mean −0.8885
Std Dev 0


pull1D
Entries 43
Mean 0.009875
Std Dev 1.046


asym_atr1_eigen_dit_correction_rms vs run
χ² / ndf 1671 / 42
p0 531.7 ± 0.5851
600
580
560
540
520
500
480
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
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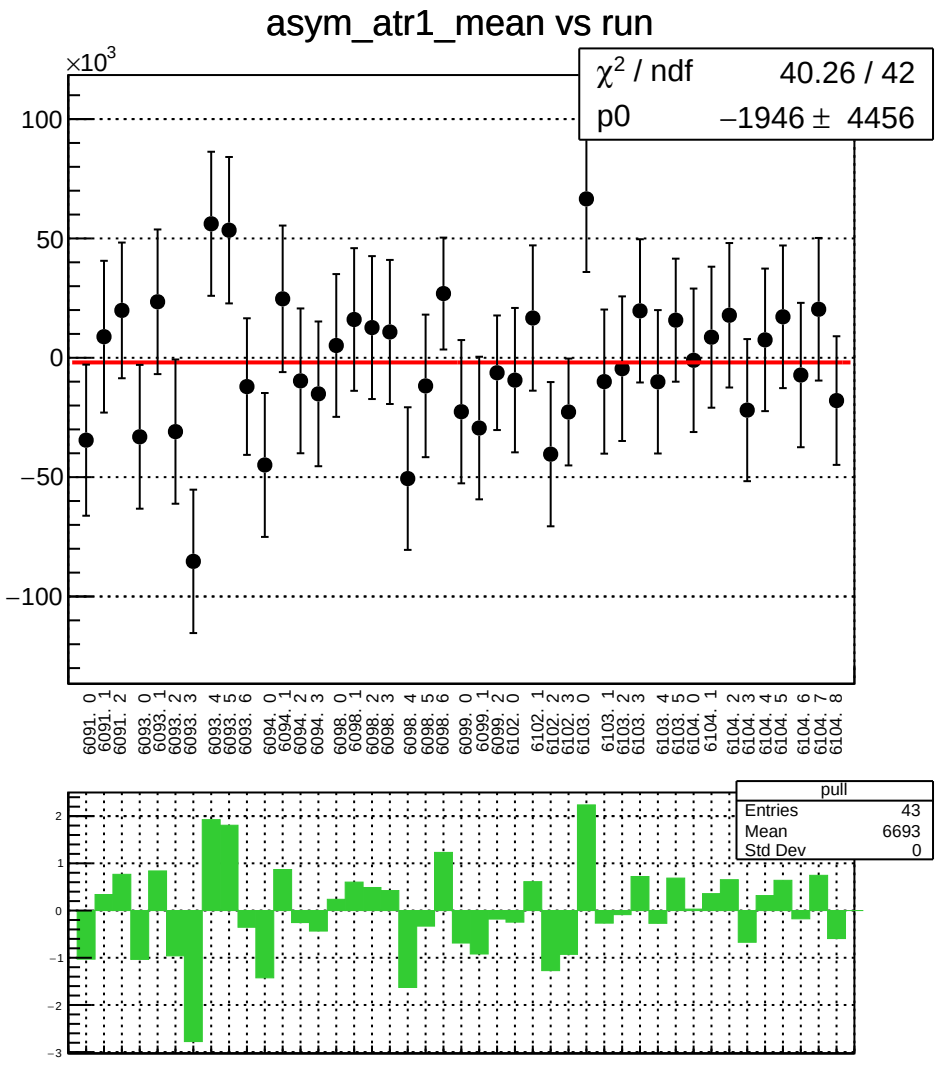
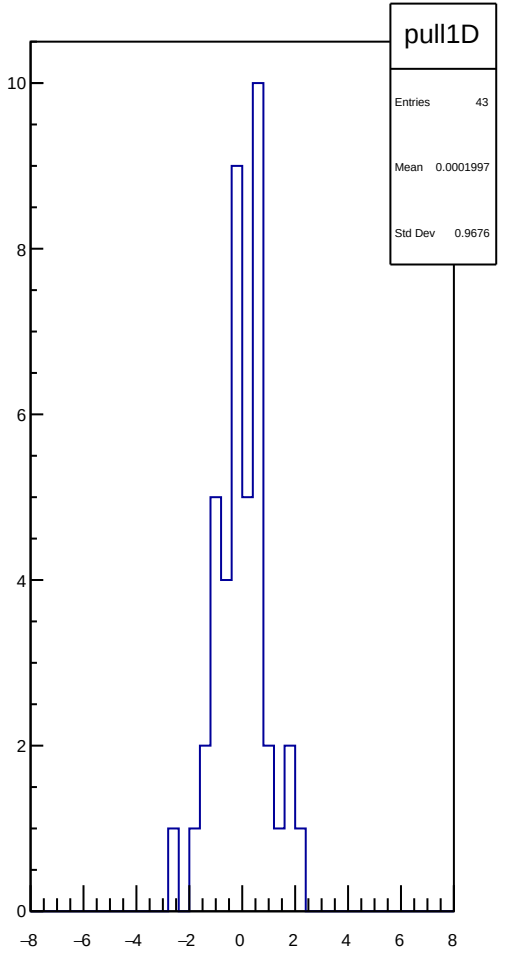
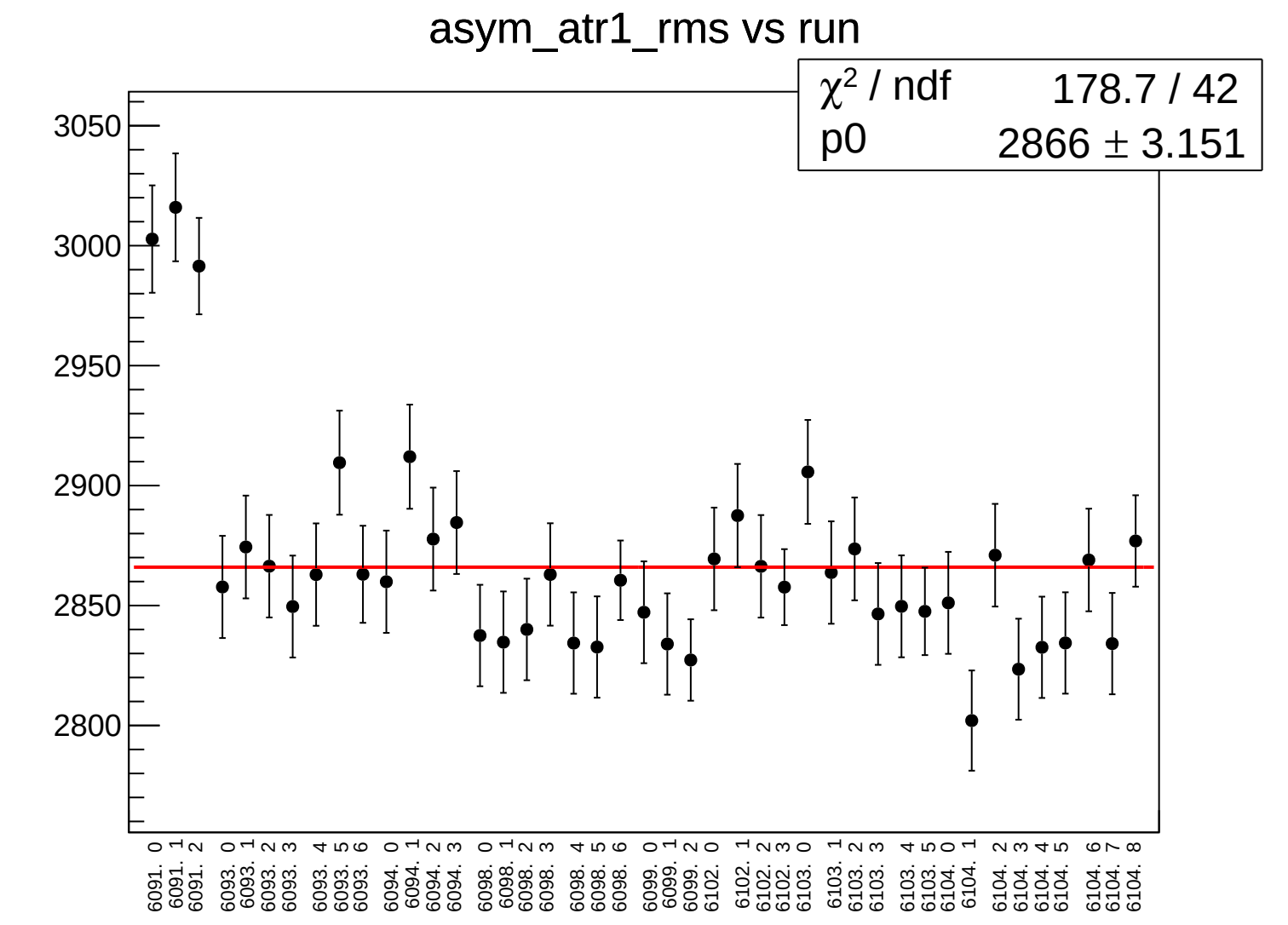
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8


asym_atr1_mean vs run
×10^3
χ² / ndf 40.26 / 42
p0 −1946 ± 4456
100
50
0
−50
−100
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 6693
Std Dev 0
2
1
0
−1
−2
−3


pull1D
Entries 43
Mean 0.0001997
Std Dev 0.9676
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


asym_atr1_rms vs run
χ² / ndf 178.7 / 42
p0 2866 ± 3.151
3050
3000
2950
2900
2850
2800
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
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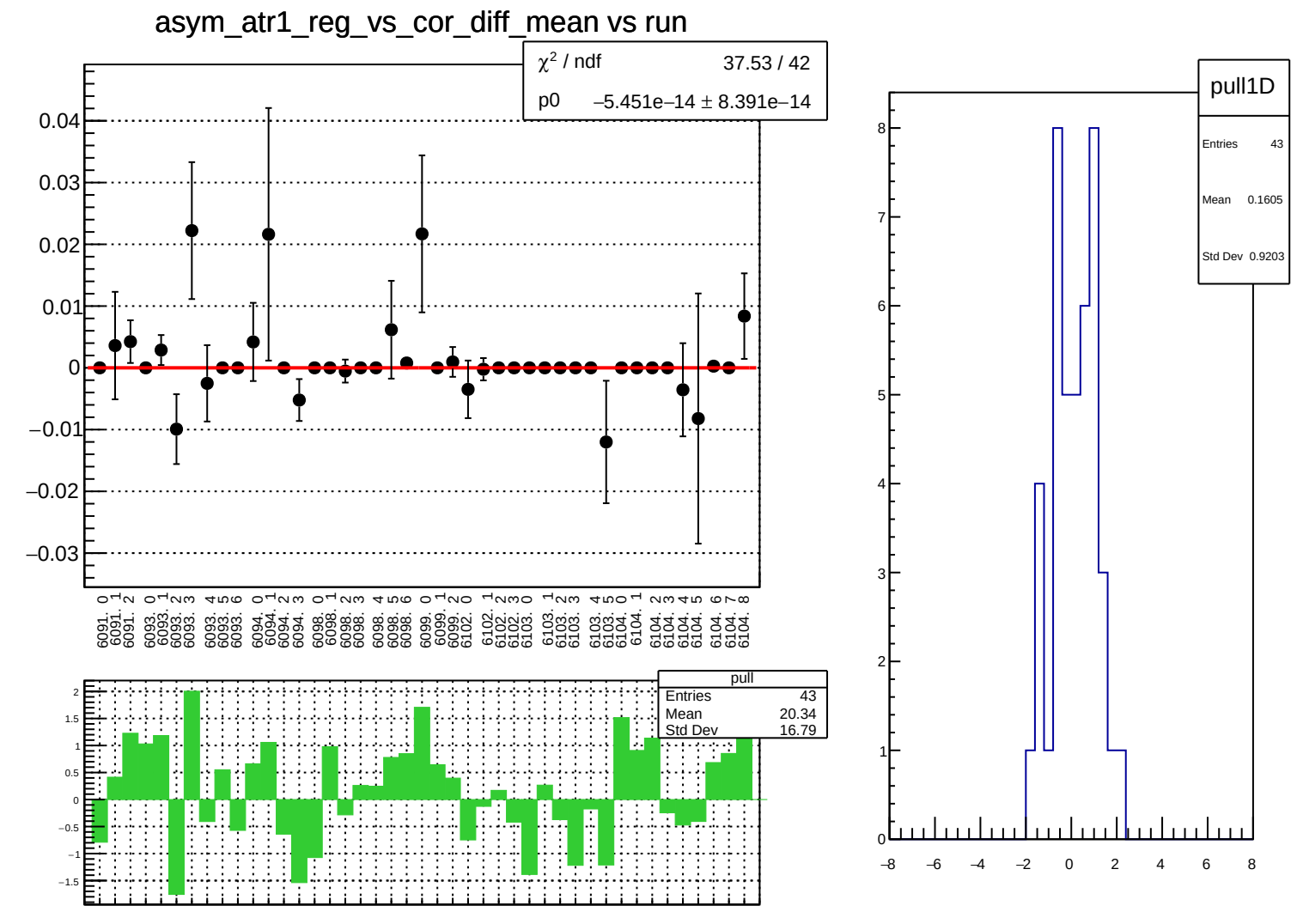
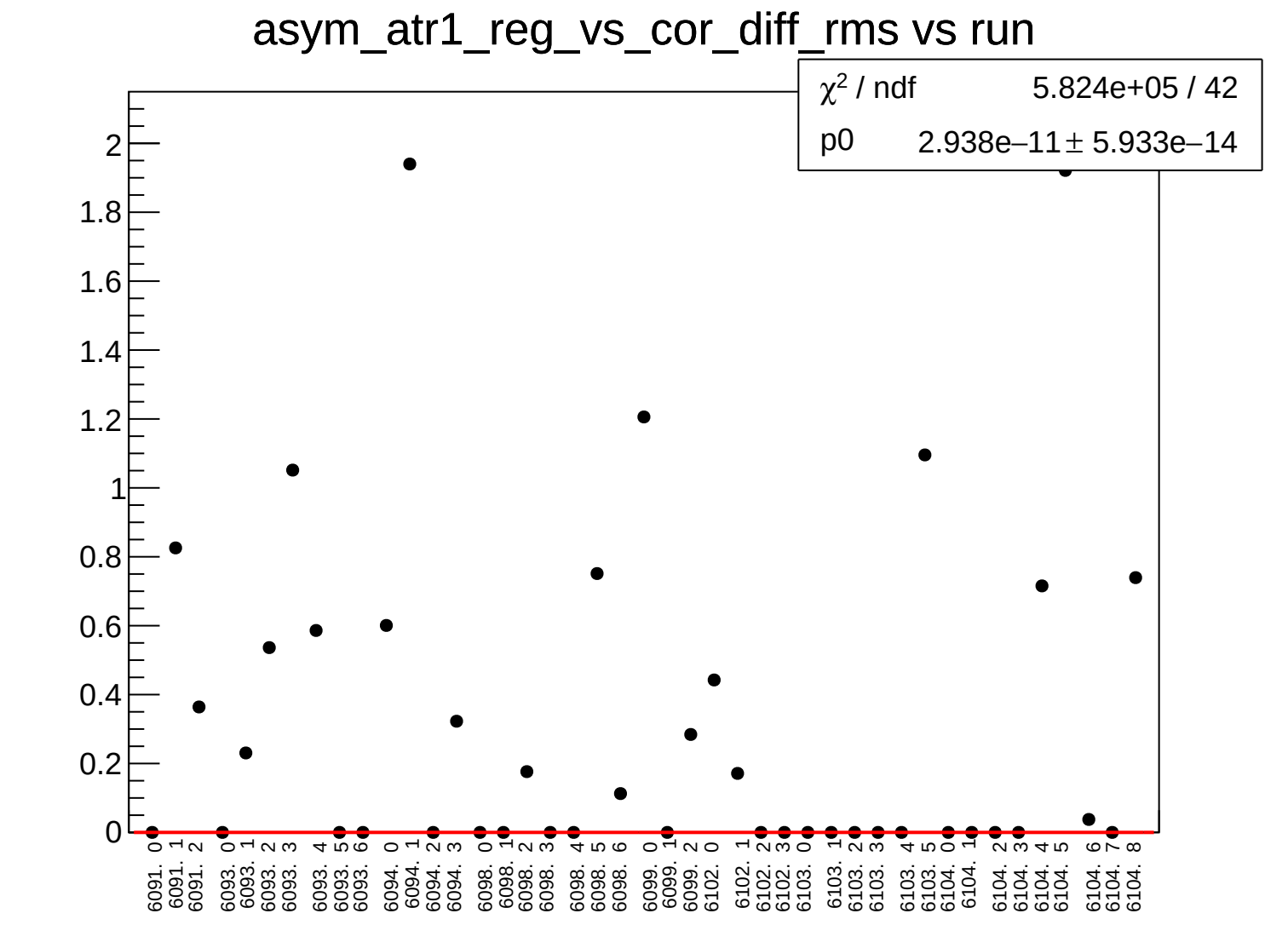
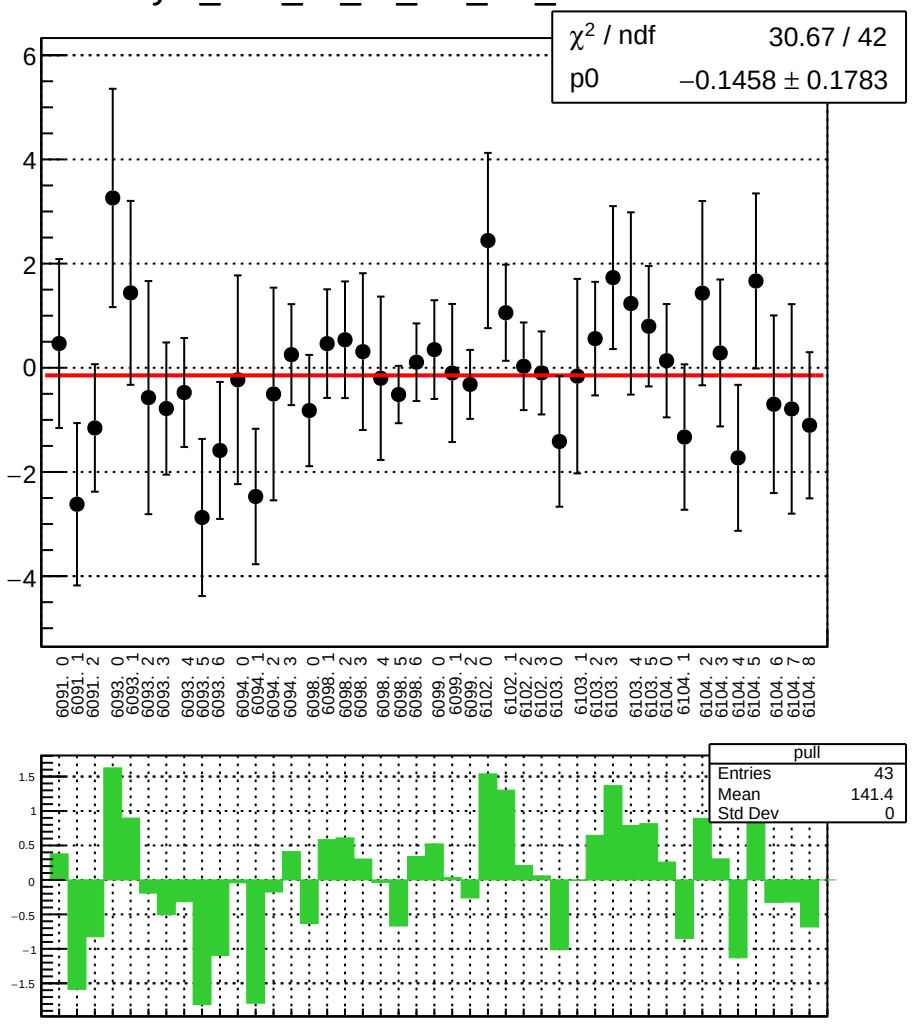
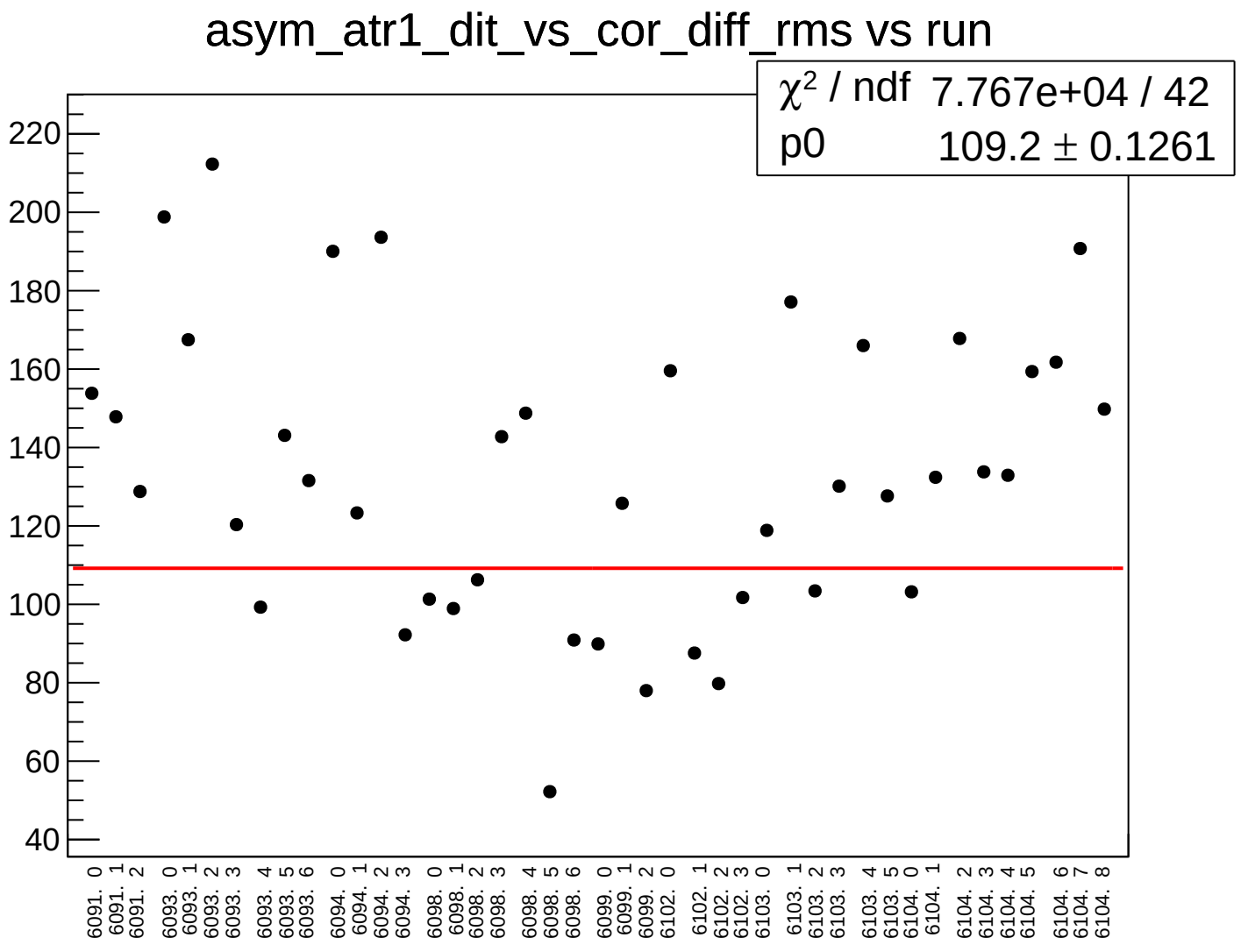
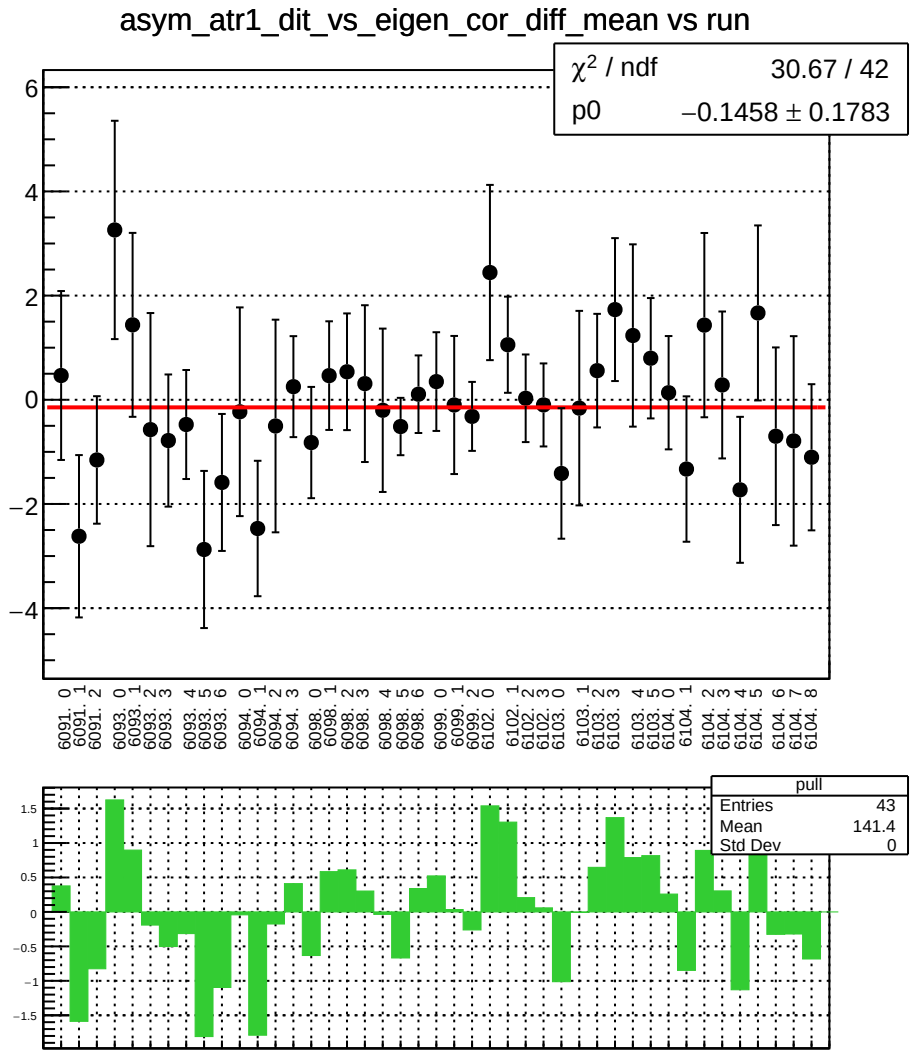
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

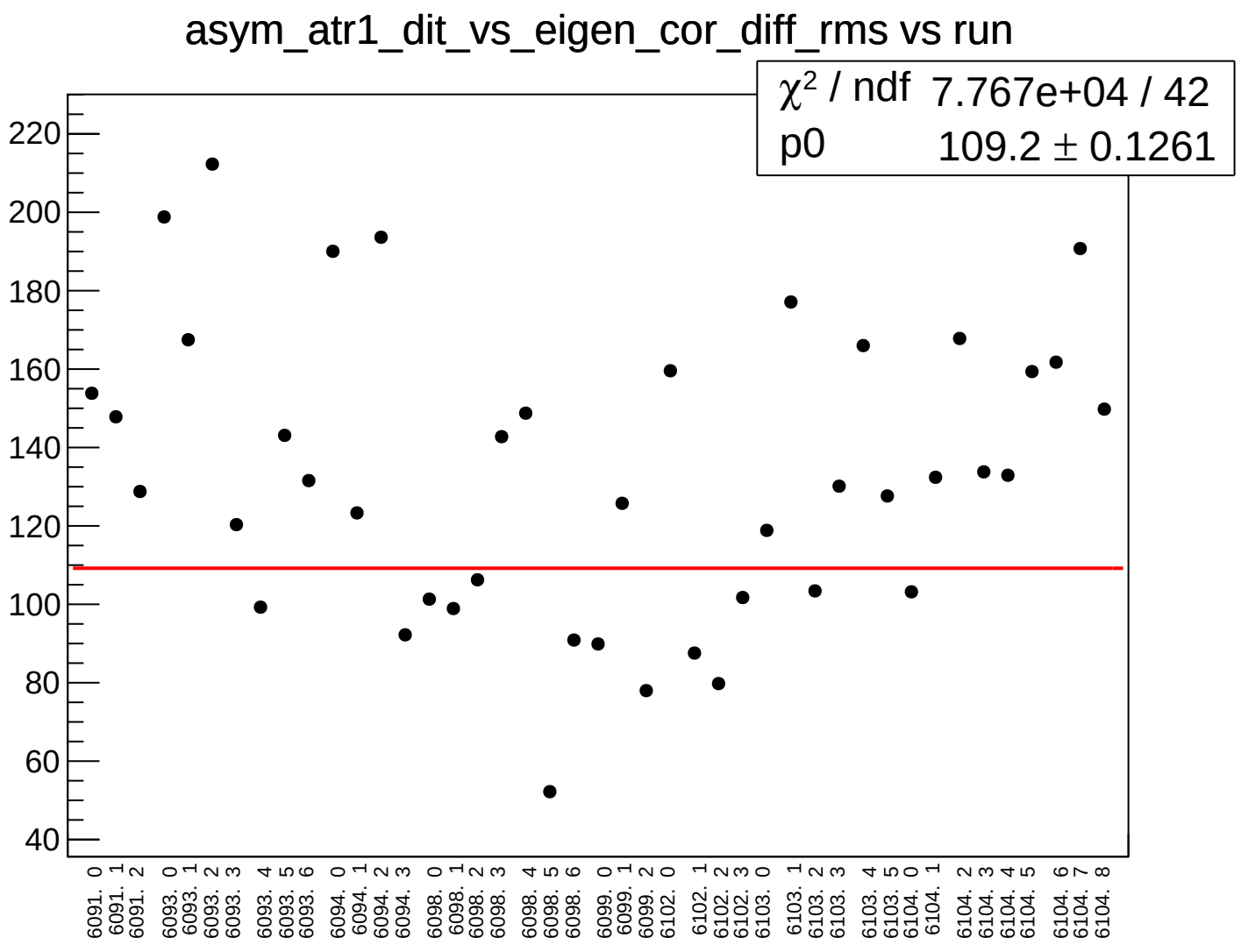

asym_atr1_reg_vs_cor_diff_mean vs run
χ² / ndf 37.53 / 42
p0 −5.451e−14 ± 8.391e−14
0.04
0.03
0.02
0.01
0
−0.01
−0.02
−0.03
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 20.34
Std Dev 16.79
2
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 43
Mean 0.1605
Std Dev 0.9203
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

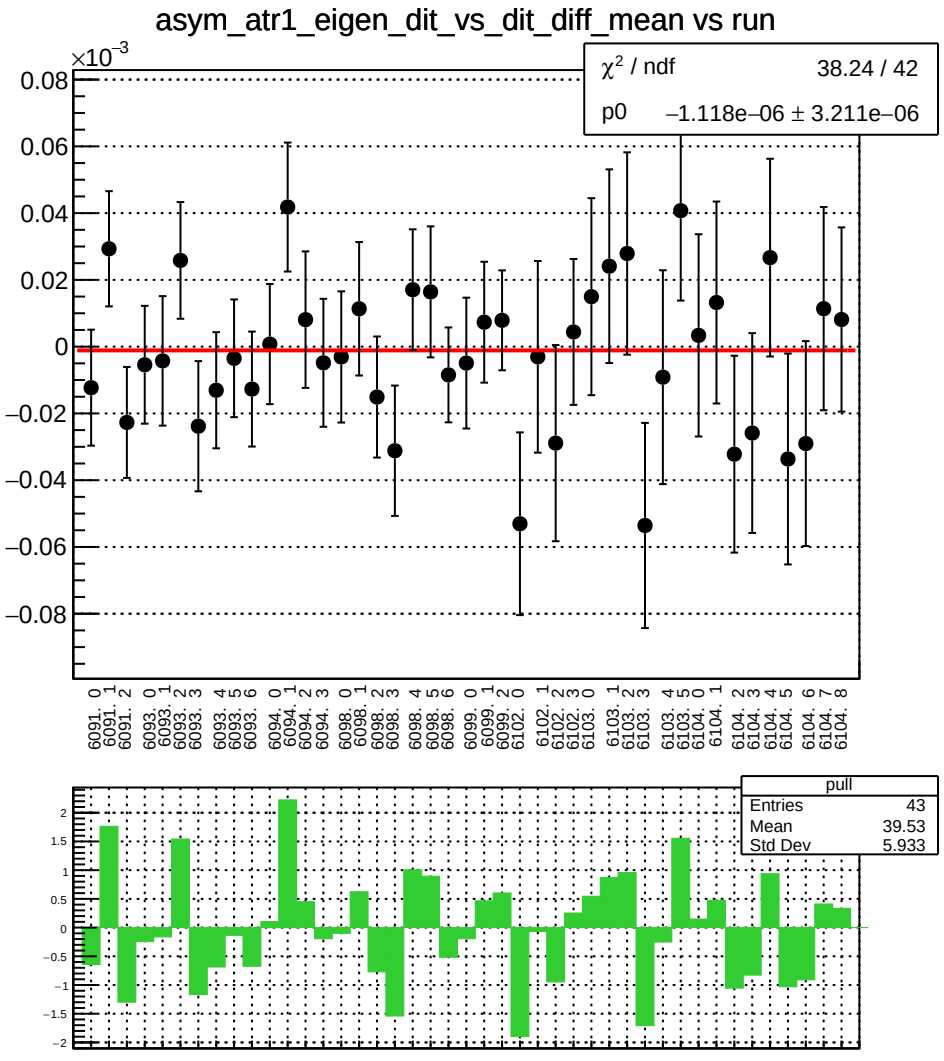

asym_atr1_reg_vs_cor_diff_rms vs run
χ² / ndf 5.824e+05 / 42
p0 2.938e−11 ± 5.933e−14
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

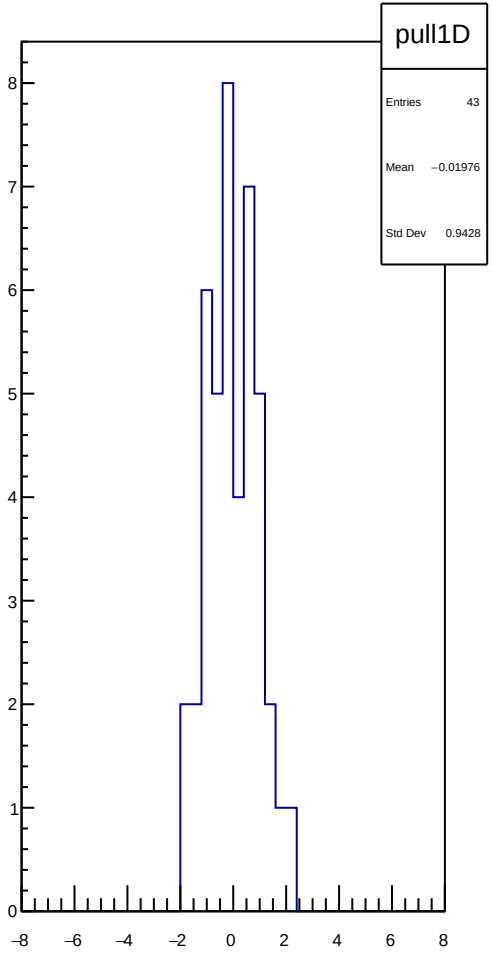

asym_atr1_dit_vs_cor_diff_mean vs run
χ² / ndf 30.67 / 42
p0 −0.1458 ± 0.1783
6
4
2
0
−2
−4
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 141.4
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 43
Mean 0.01661
Std Dev 0.8444
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

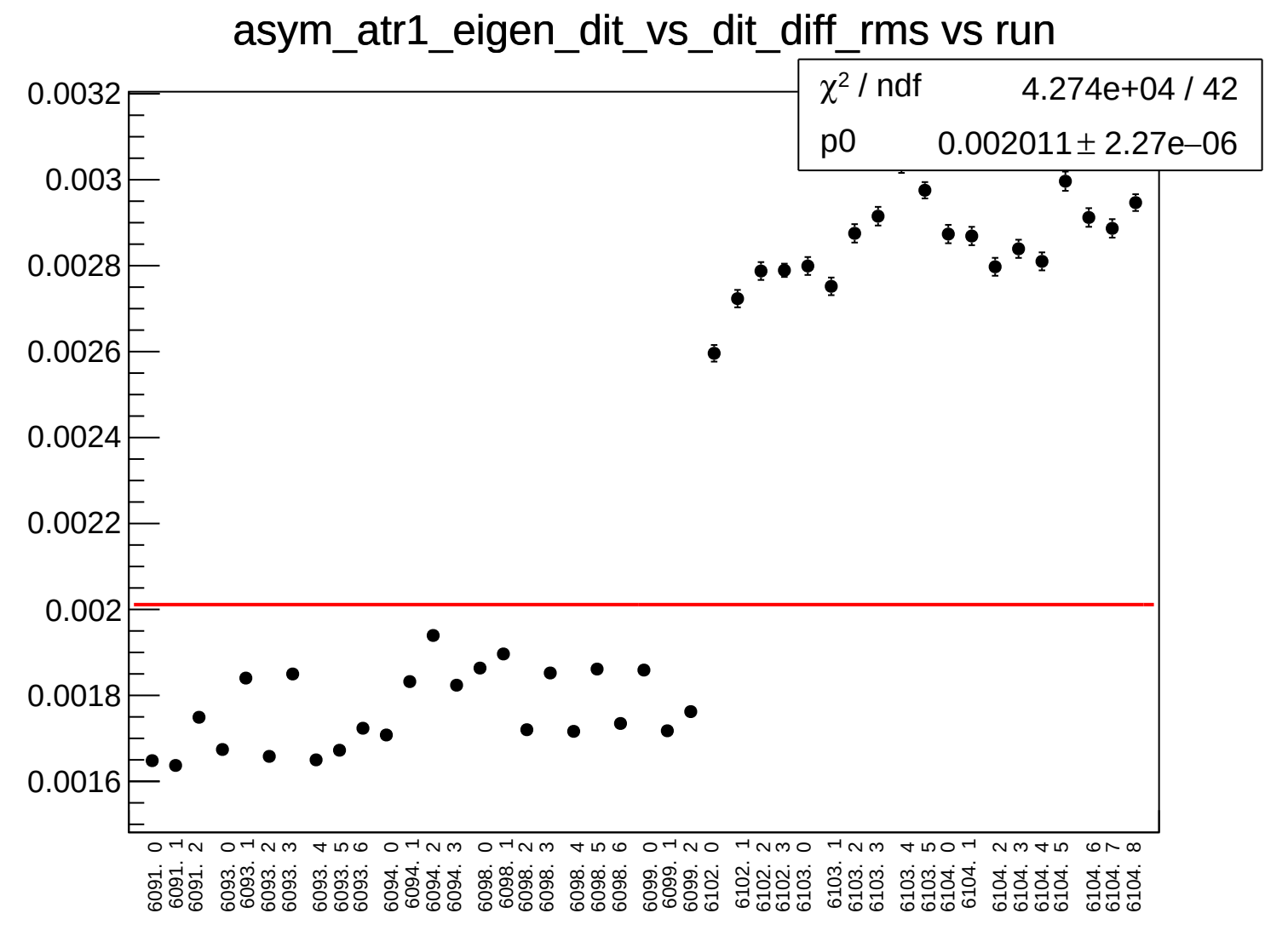

asym_atr1_dit_vs_cor_diff_rms vs run
χ² / ndf 7.767e+04 / 42
p0 109.2 ± 0.1261
220
200
180
160
140
120
100
80
60
40
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

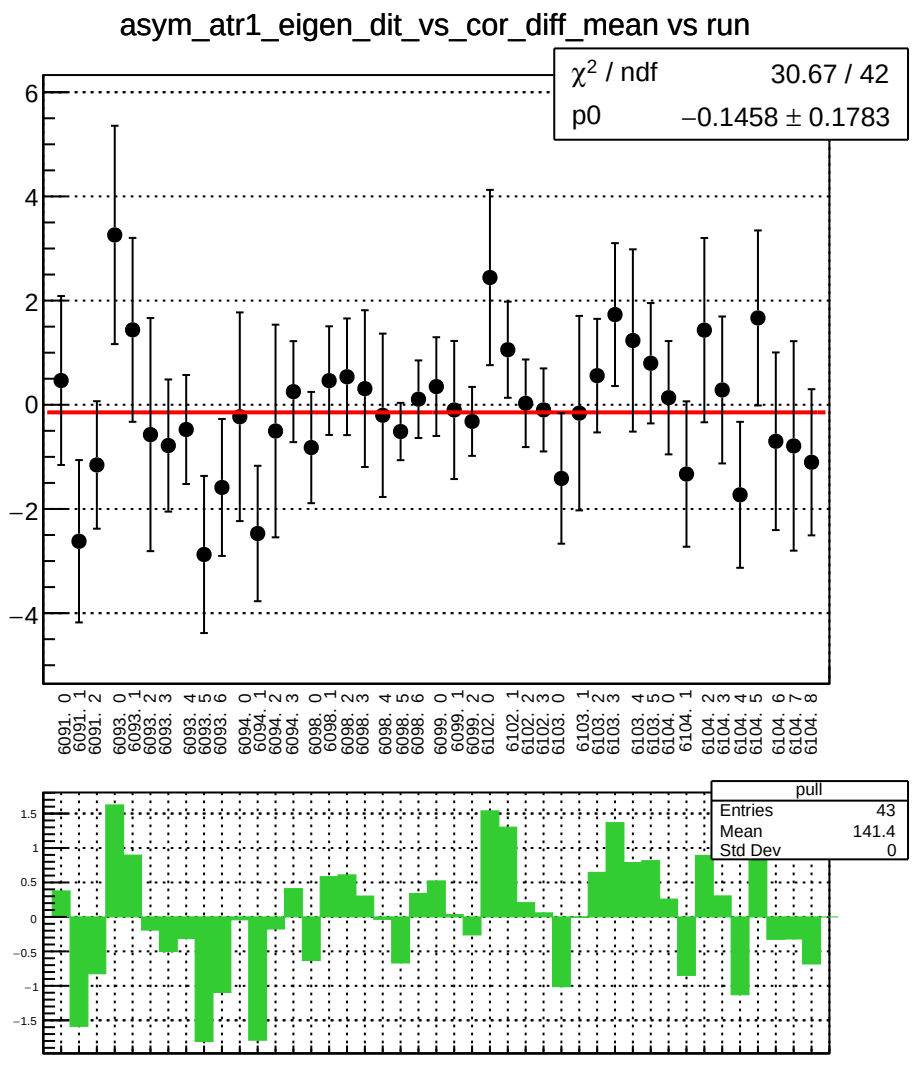

asym_atr1_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 30.67 / 42
p0 −0.1458 ± 0.1783
6
4
2
0
−2
−4
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 141.4
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 43
Mean 0.01661
Std Dev 0.8444
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

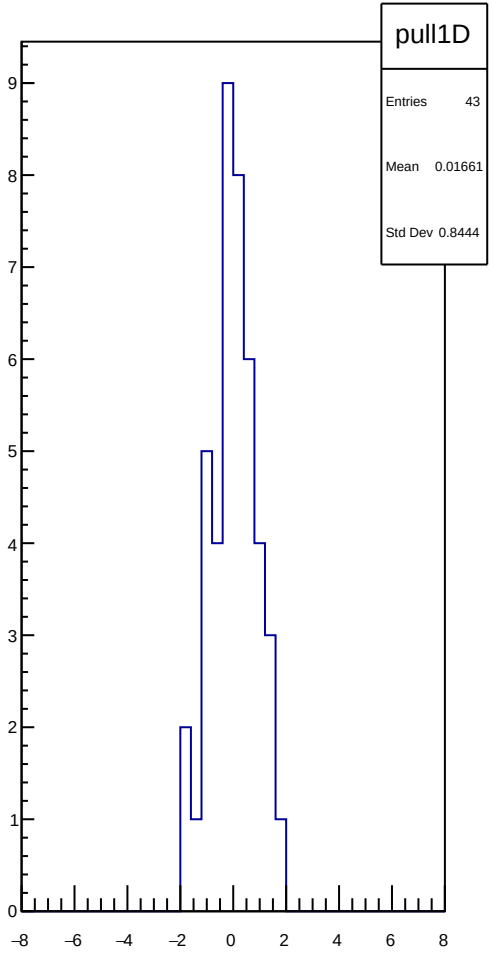

asym_atr1_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 7.767e+04 / 42
p0 109.2 ± 0.1261
220
200
180
160
140
120
100
80
60
40
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

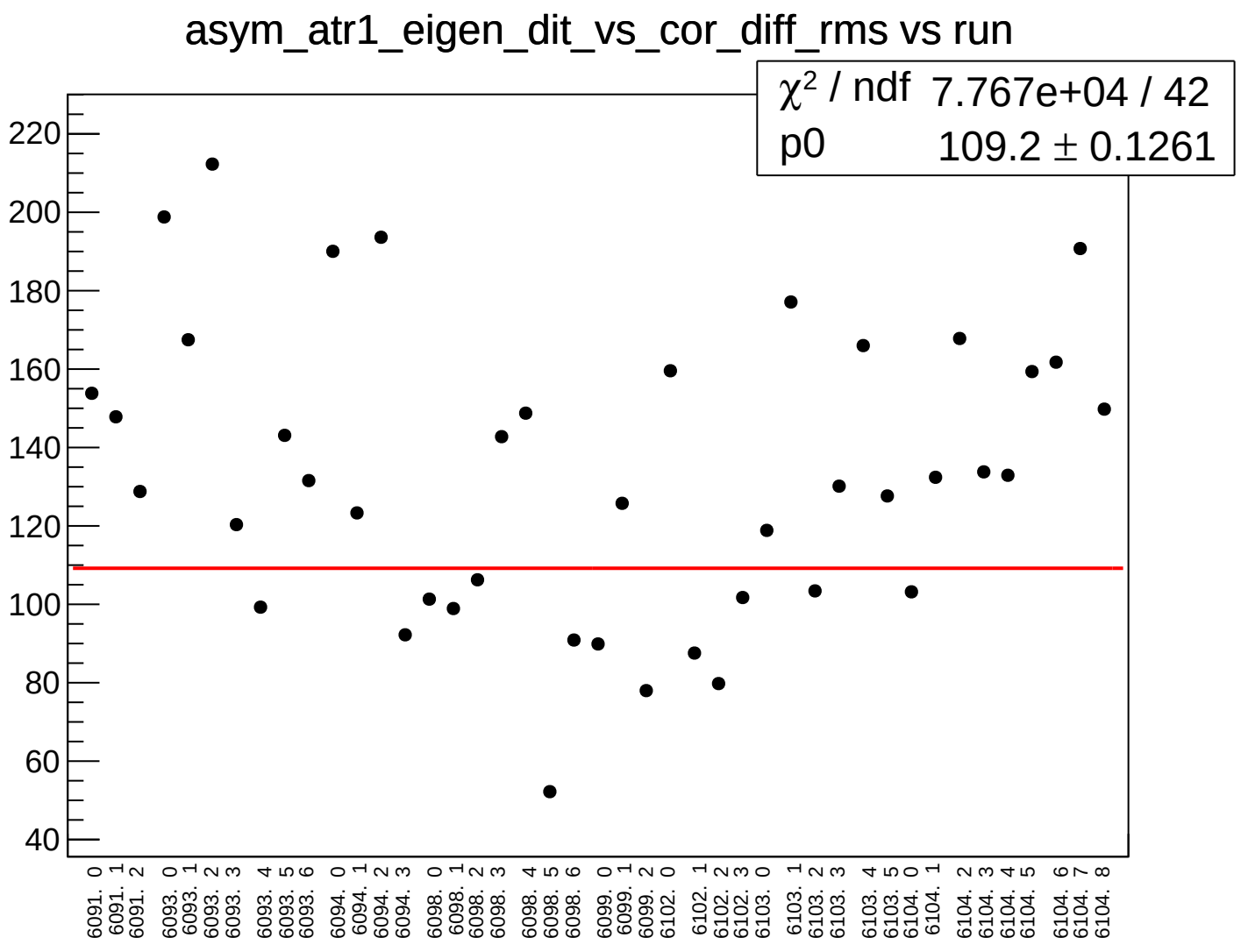

asym_atr1_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 38.24 / 42
p0 −1.118e−06 ± 3.211e−06
0.08
0.06
0.04
0.02
0
−0.02
−0.04
−0.06
−0.08
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 39.53
Std Dev 5.933
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

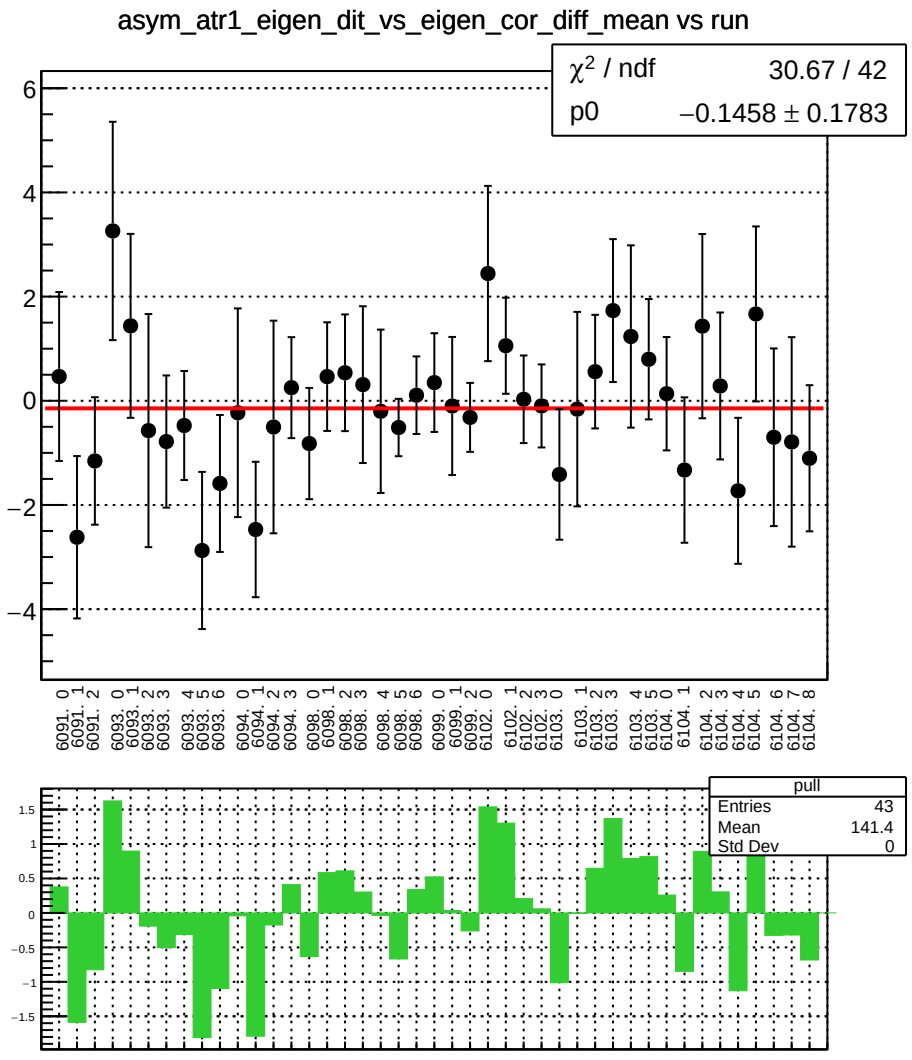

pull1D
Entries 43
Mean −0.01976
Std Dev 0.9428
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

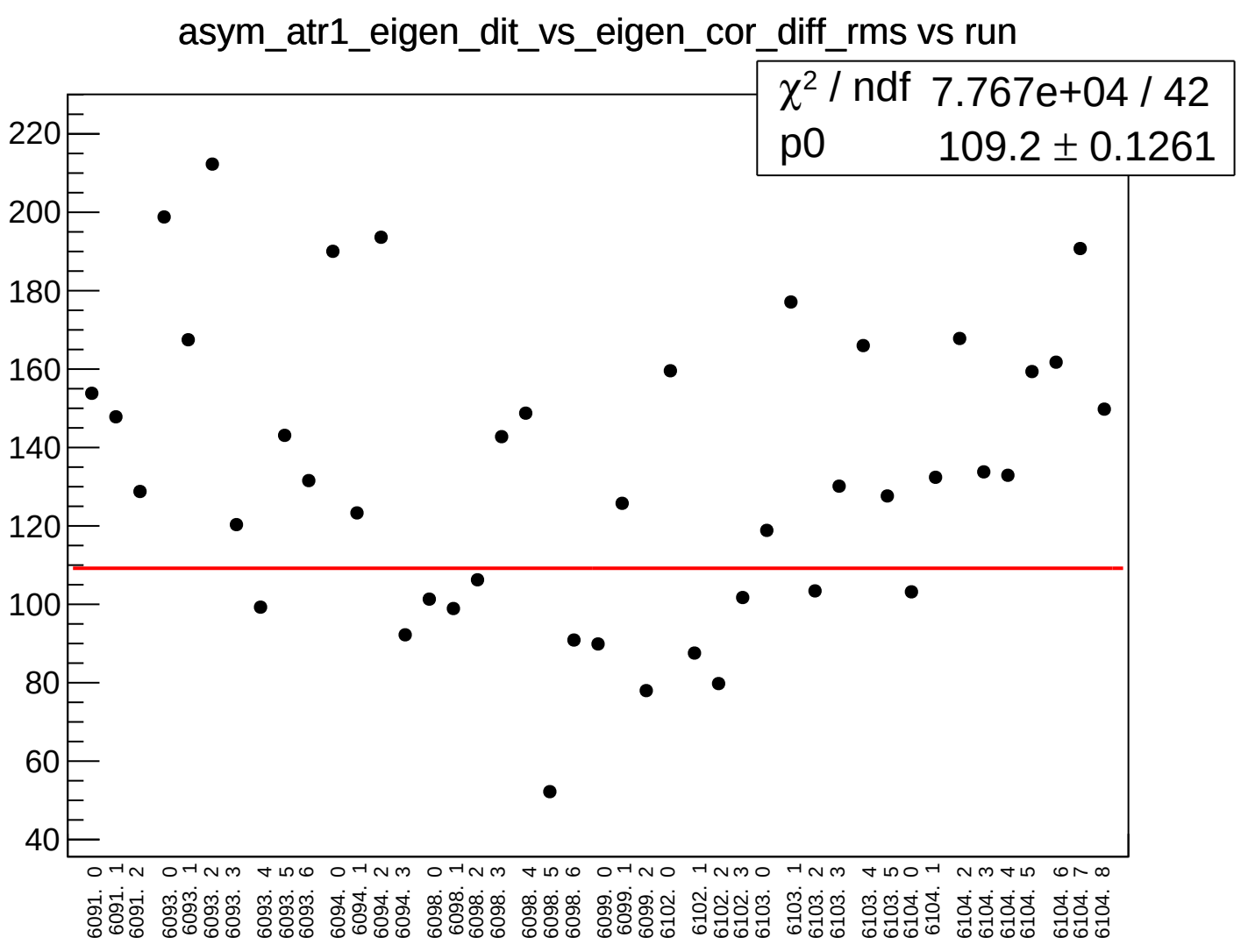

asym_atr1_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 4.274e+04 / 42
p0 0.002011 ± 2.27e–06
0.0032
0.003
0.0028
0.0026
0.0024
0.0022
0.002
0.0018
0.0016
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

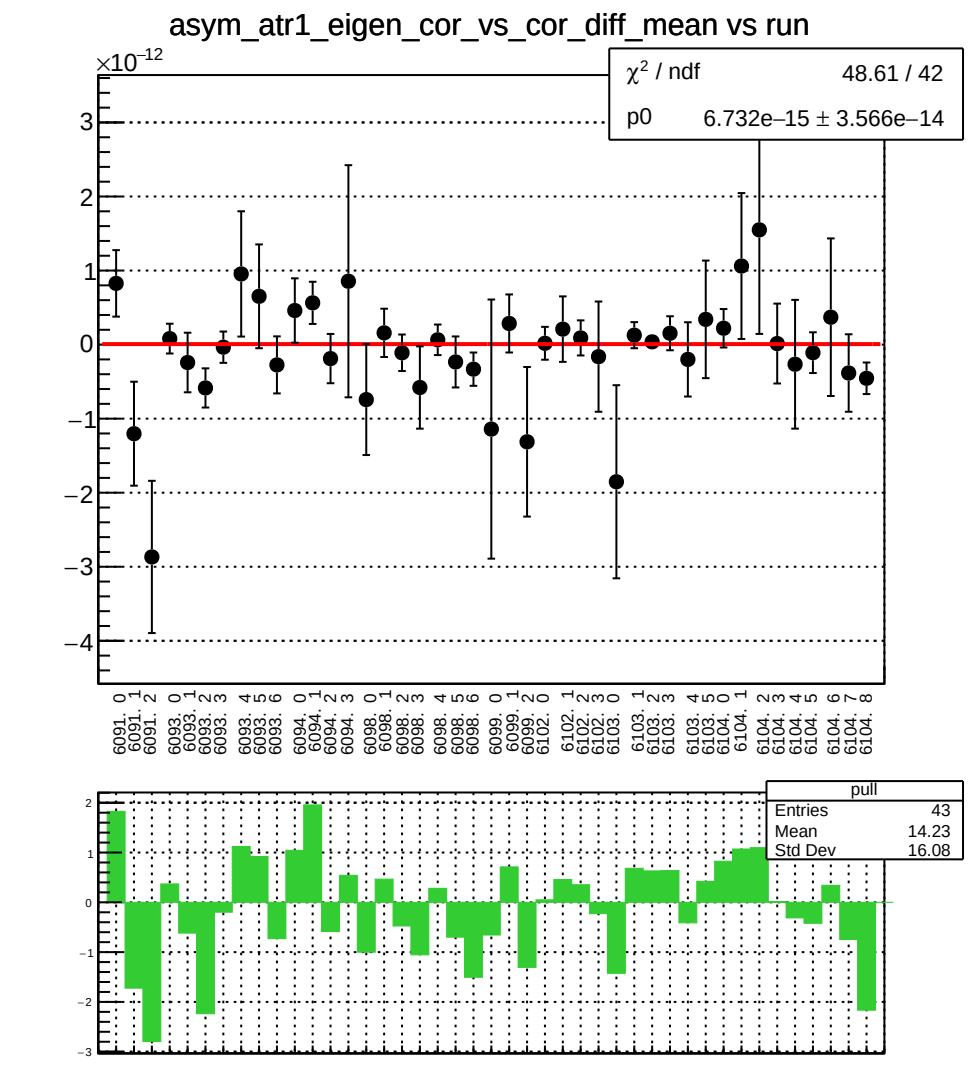

asym_atr1_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 30.67 / 42
p0 −0.1458 ± 0.1783
6
4
2
0
−2
−4
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 141.4
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5

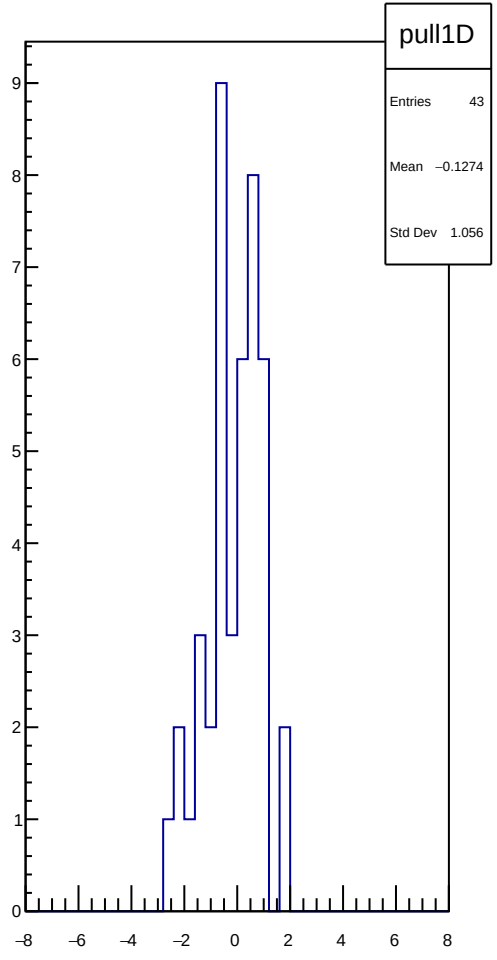

pull1D
Entries 43
Mean 0.01661
Std Dev 0.8444
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

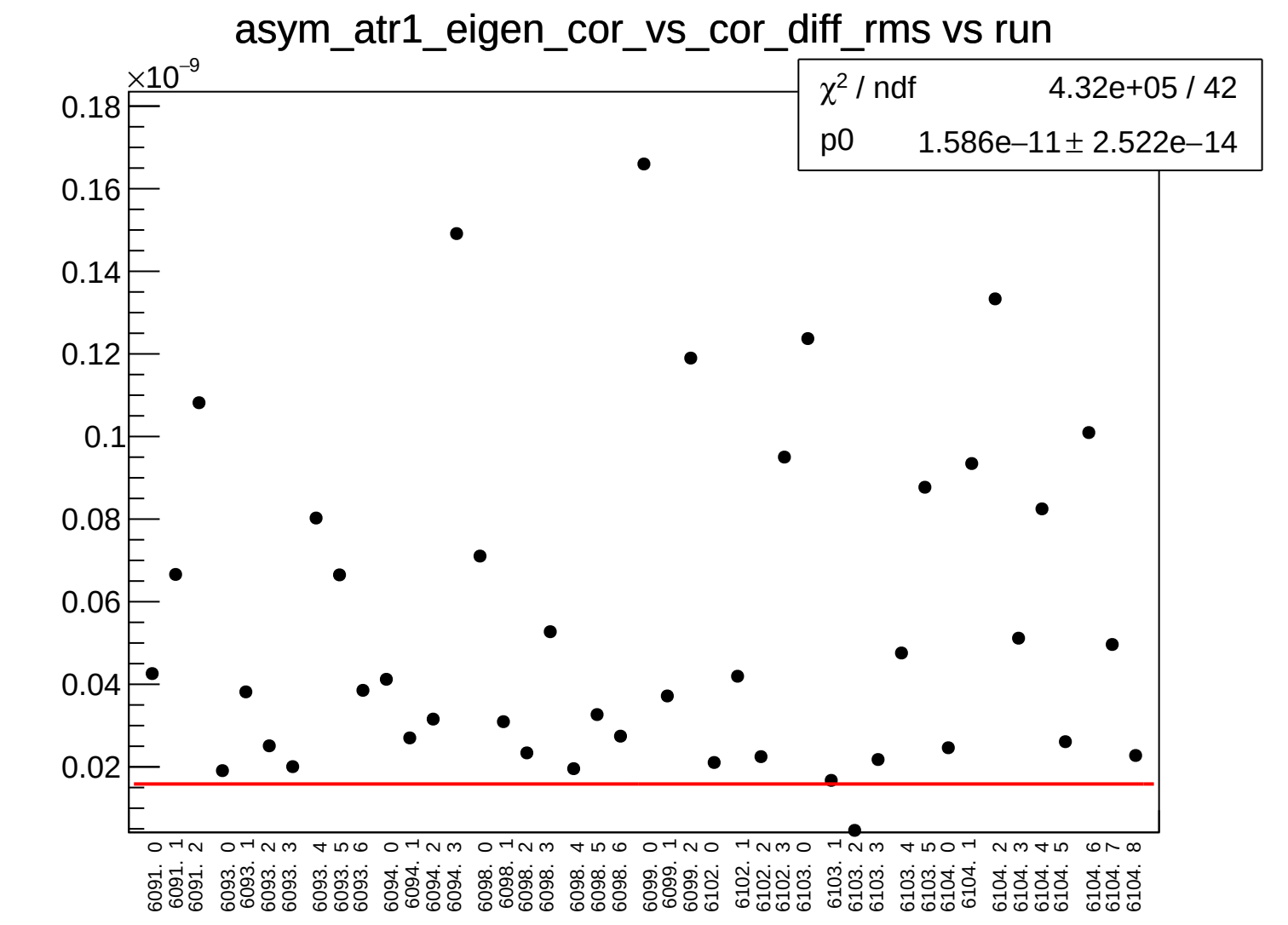

asym_atr1_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 7.767e+04 / 42
p0 109.2 ± 0.1261
220
200
180
160
140
120
100
80
60
40
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

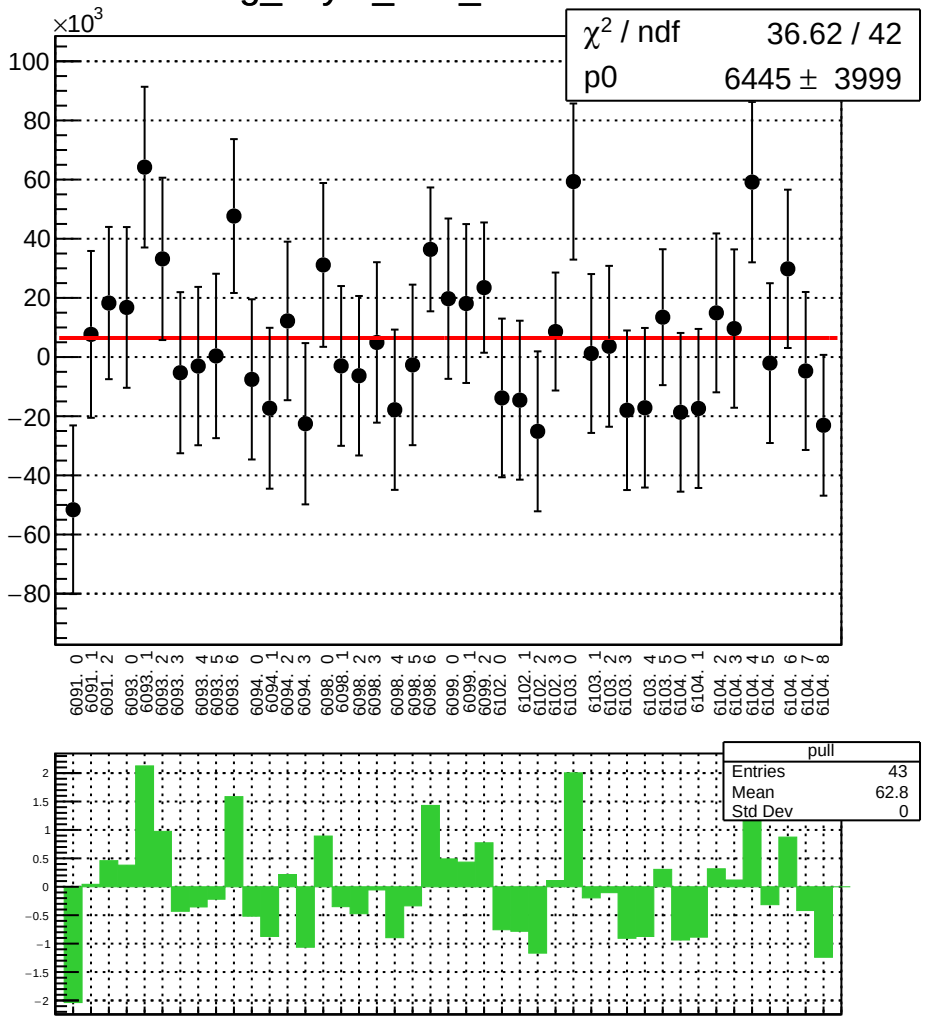

asym_atr1_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 30.67 / 42
p0 −0.1458 ± 0.1783
6
4
2
0
−2
−4
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 141.4
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 43
Mean 0.01661
Std Dev 0.8444
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


asym_atr1_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 7.767e+04 / 42
p0 109.2 ± 0.1261
220
200
180
160
140
120
100
80
60
40
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8


asym_atr1_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 48.61 / 42
p0 6.732e−15 ± 3.566e−14
pull
Entries 43
Mean 14.23
Std Dev 16.08


pull1D
Entries 43
Mean −0.1274
Std Dev 1.056


asym_atr1_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 4.32e+05 / 42
p0 1.586e−11 ± 2.522e−14
0.18
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8


reg_asym_atr2_mean vs run
×10^3
χ² / ndf 36.62 / 42
p0 6445 ± 3999
100
80
60
40
20
0
−20
−40
−60
−80
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
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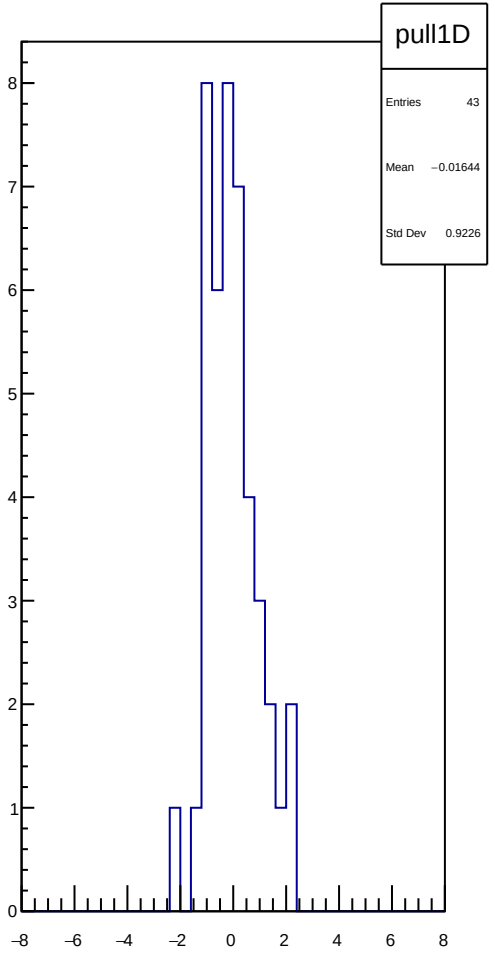
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 62.8
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2


pull1D
Entries 43
Mean −0.01644
Std Dev 0.9226
8
7
6
5
4
3
2
1
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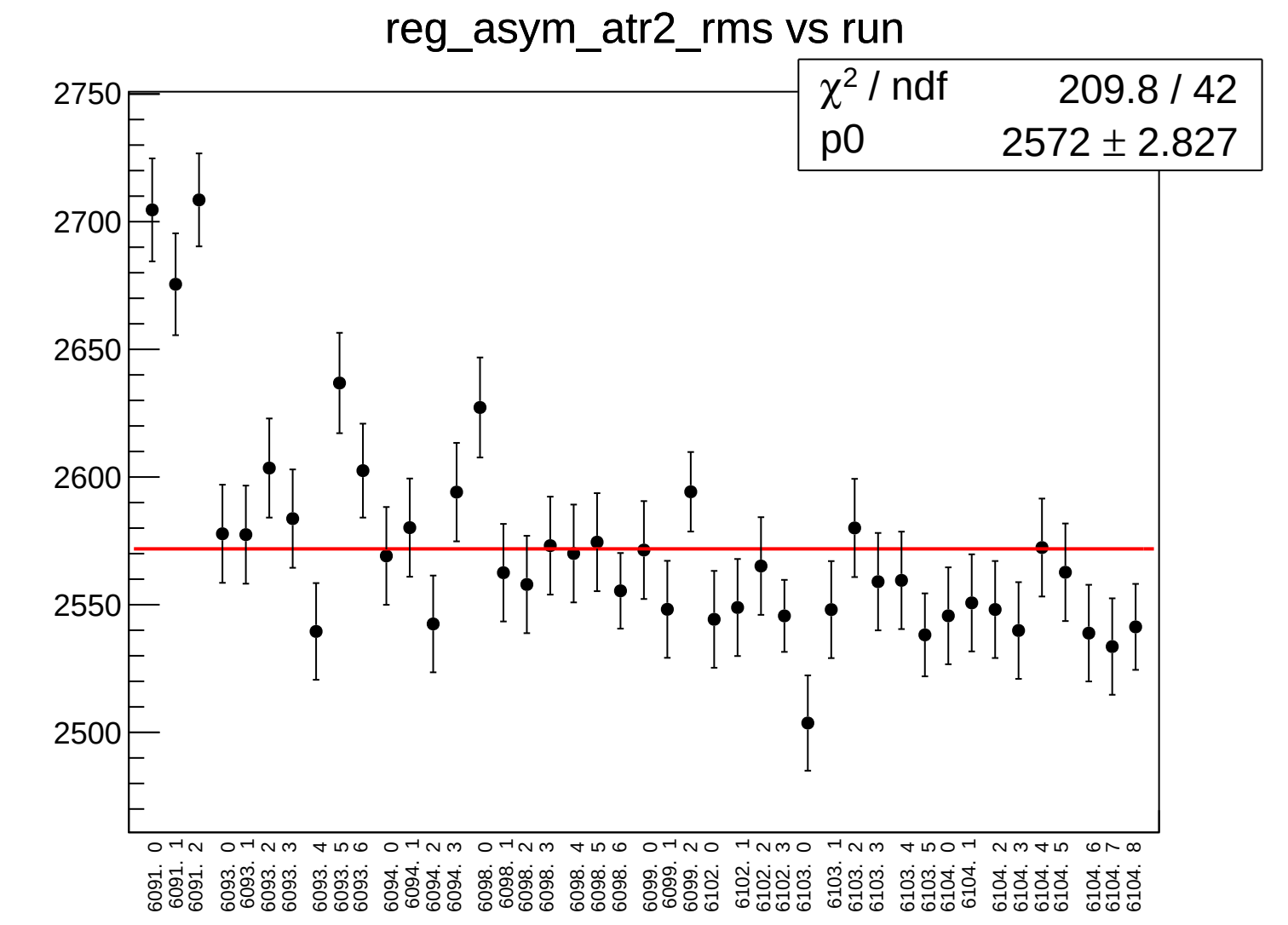
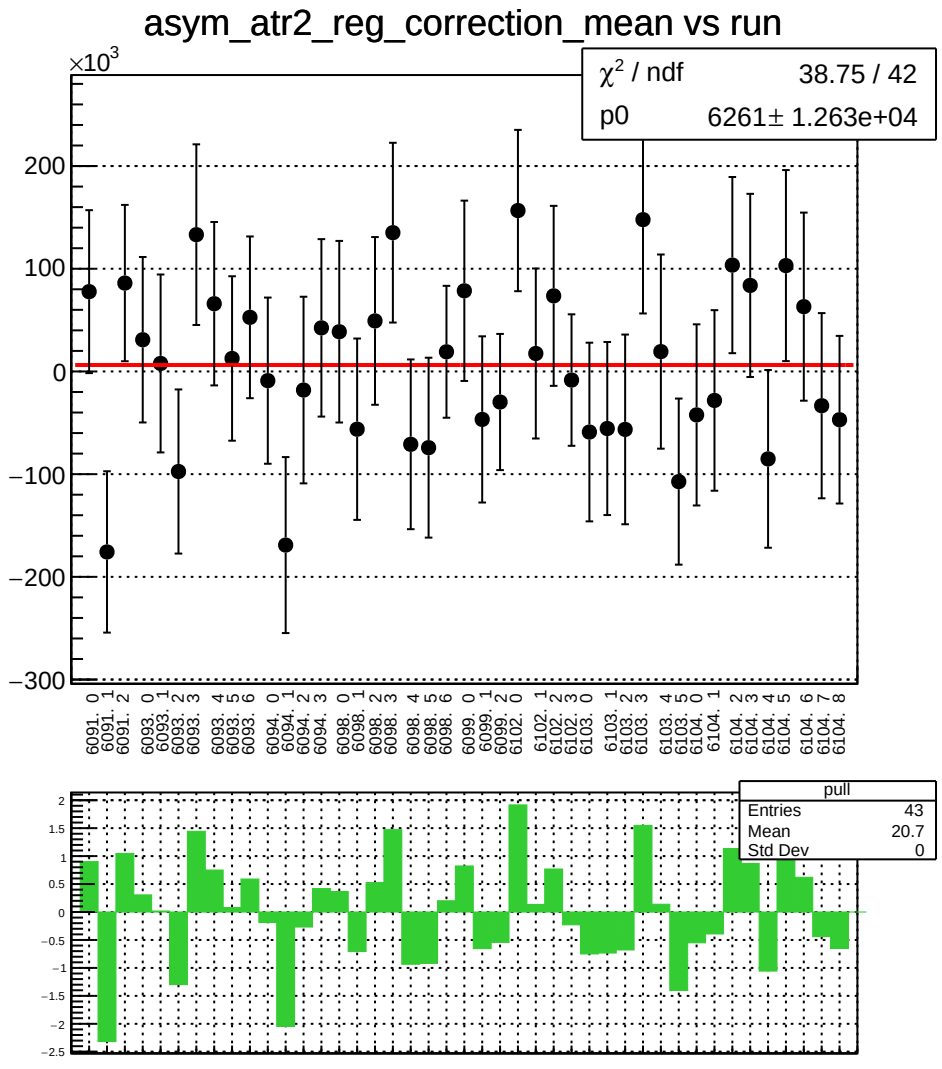
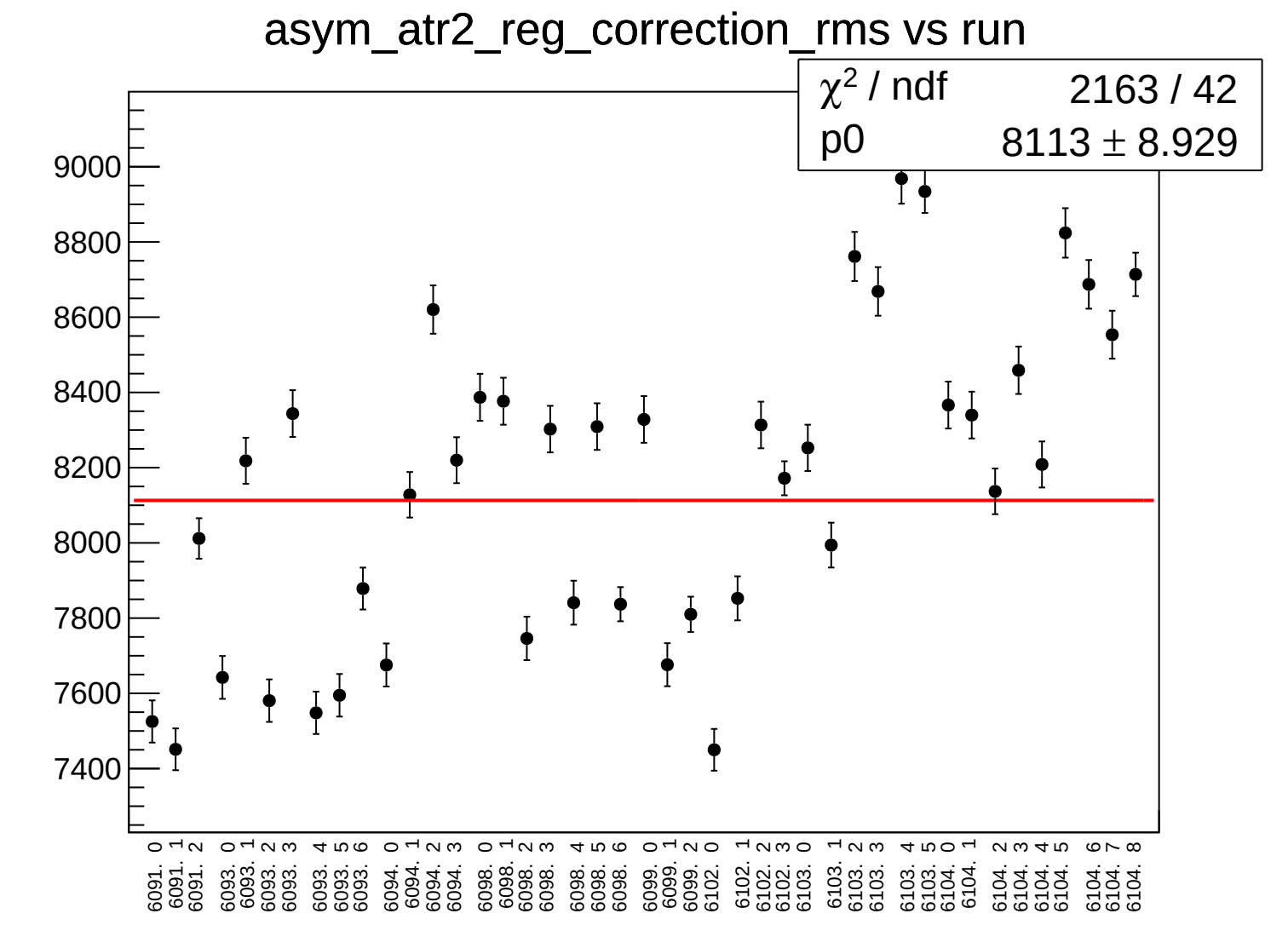
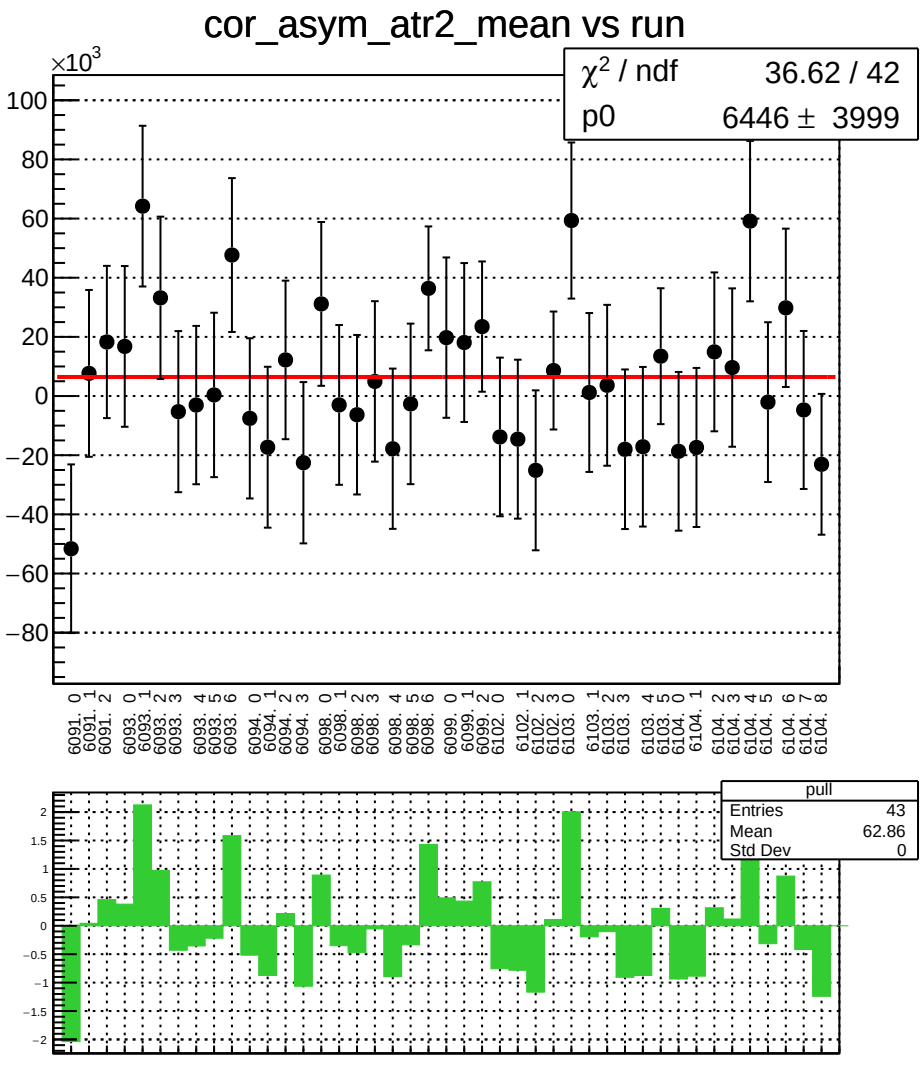
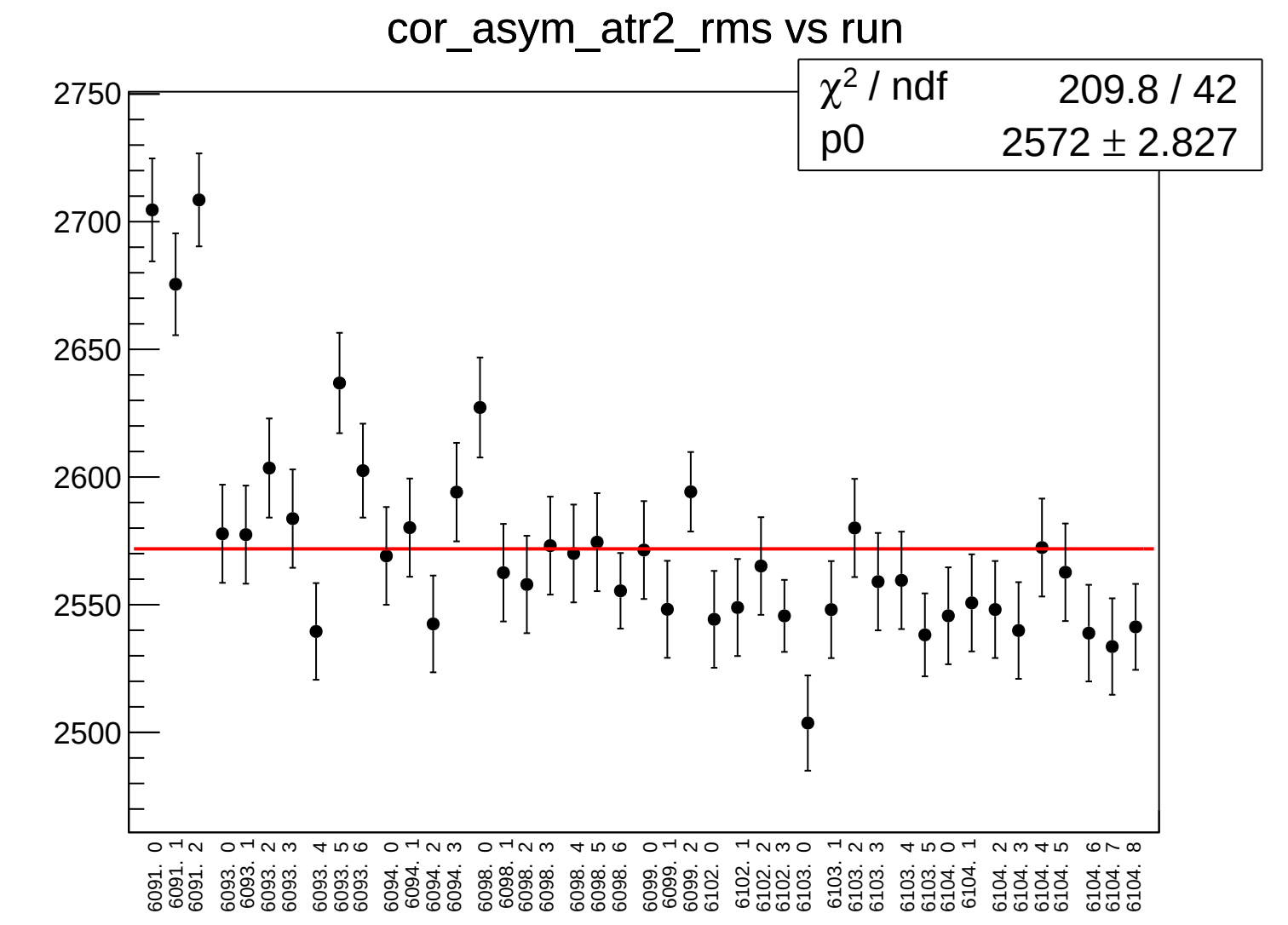
−8
−6
−4
−2
0
2
4
6
8

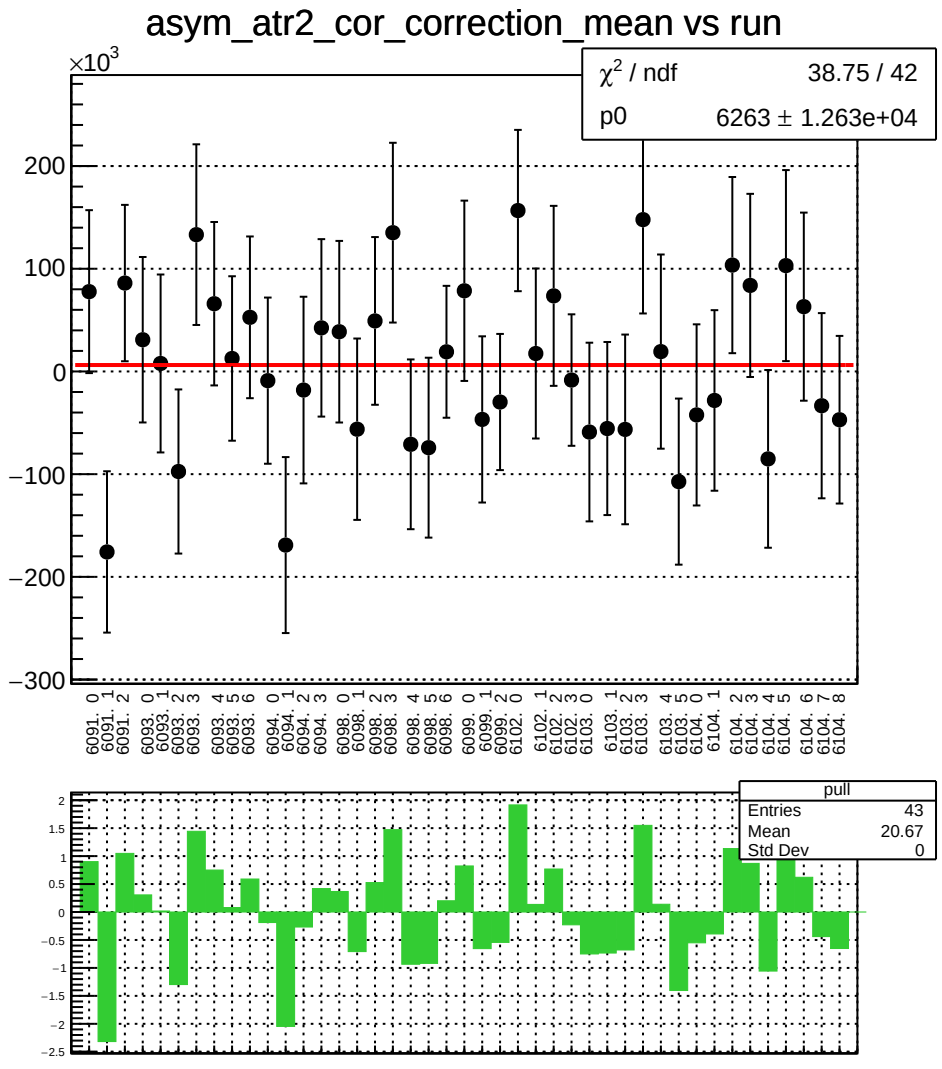

reg_asym_atr2_rms vs run
χ² / ndf 209.8 / 42
p0 2572 ± 2.827
2750
2700
2650
2600
2550
2500
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

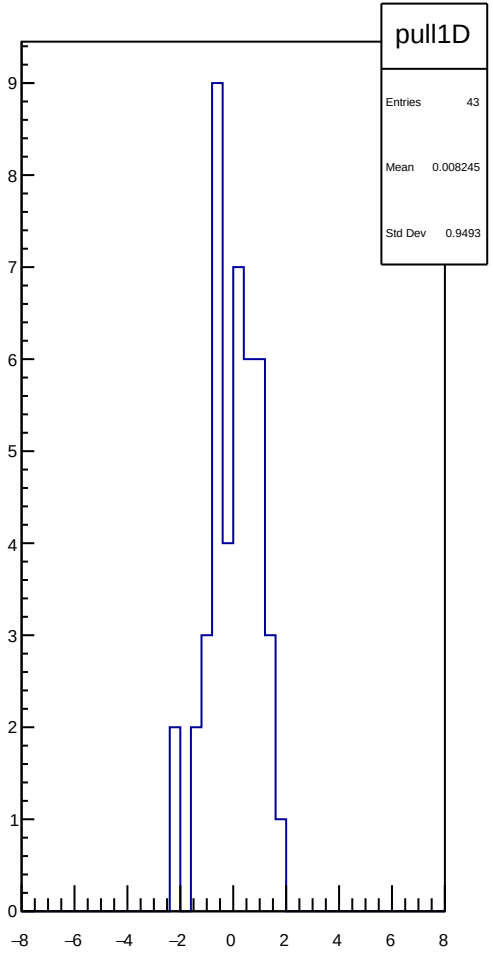

asym_atr2_reg_correction_mean vs run
×10^3
χ² / ndf 38.75 / 42
p0 6261± 1.263e+04
200
100
0
−100
−200
−300
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 20.7
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5
pull1D
Entries 43
Mean 0.008246
Std Dev 0.9493
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

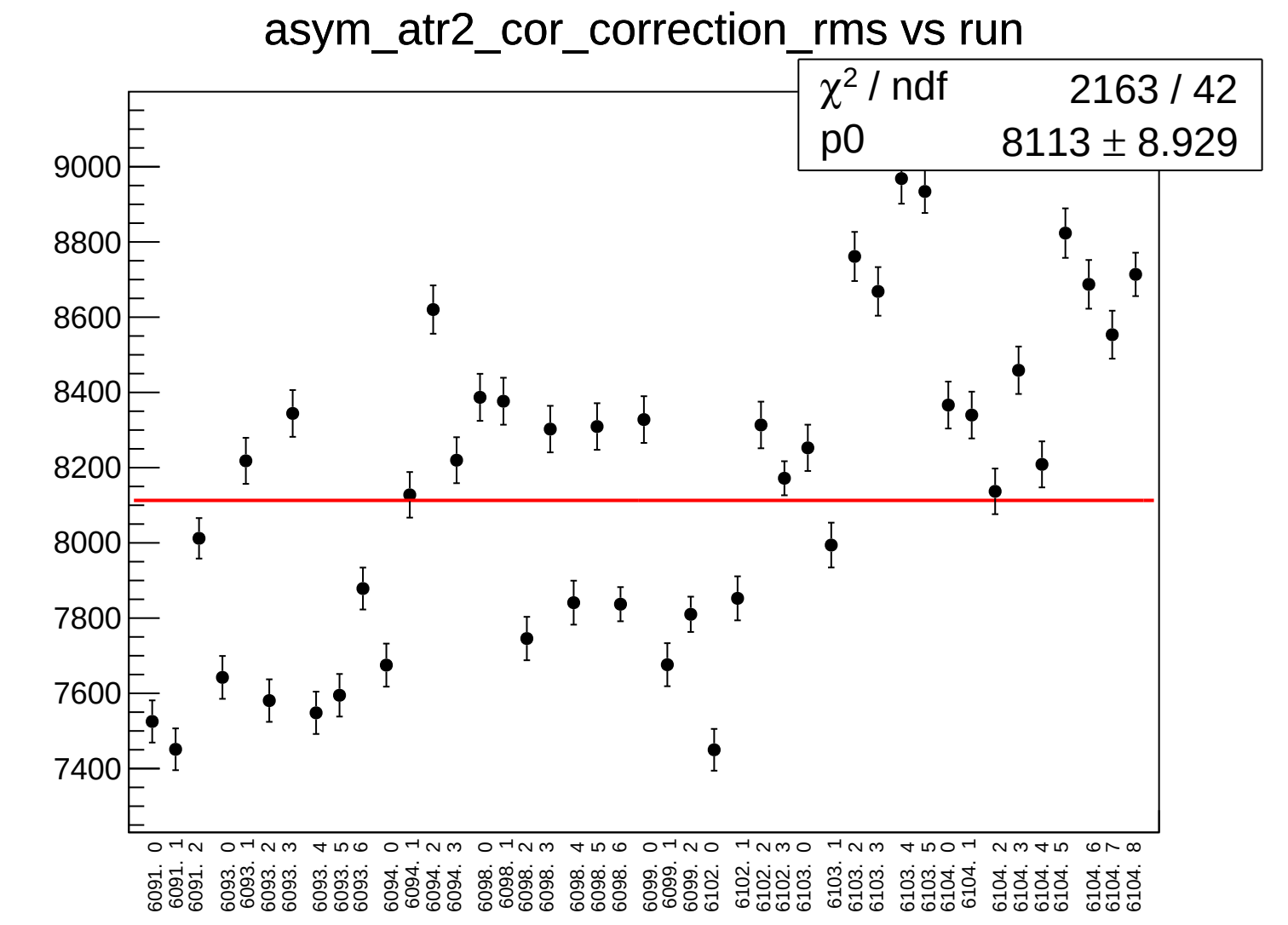

asym_atr2_reg_correction_rms vs run
χ² / ndf 2163 / 42
p0 8113 ± 8.929
9000
8800
8600
8400
8200
8000
7800
7600
7400
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8


cor_asym_atr2_mean vs run
×10^3
χ^2 / ndf 36.62 / 42
p0 6446 ± 3999
100
80
60
40
20
0
−20
−40
−60
−80
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 62.86
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 43
Mean −0.01644
Std Dev 0.9226
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


cor_asym_atr2_rms vs run
χ² / ndf 209.8 / 42
p0 2572 ± 2.827
2750
2700
2650
2600
2550
2500
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8


asym_atr2_cor_correction_mean vs run
×10^3
χ² / ndf 38.75 / 42
p0 6263 ± 1.263e+04
200
100
0
−100
−200
−300
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 20.67
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5


pull1D
Entries 43
Mean 0.008245
Std Dev 0.9493
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


asym_atr2_cor_correction_rms vs run
χ² / ndf 2163 / 42
p0 8113 ± 8.929
9000
8800
8600
8400
8200
8000
7800
7600
7400
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
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6098. 4
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6098. 6
6099. 0
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6099. 2
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6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
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6104. 0
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6104. 2
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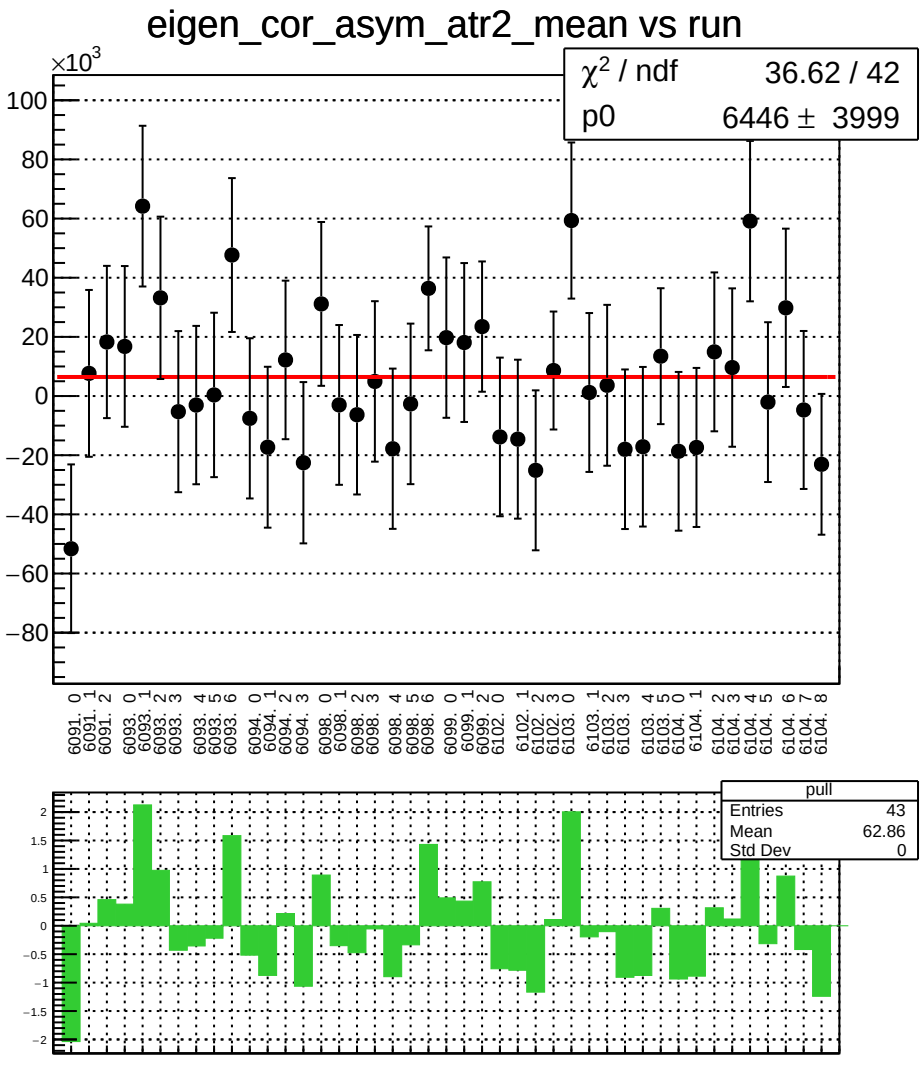
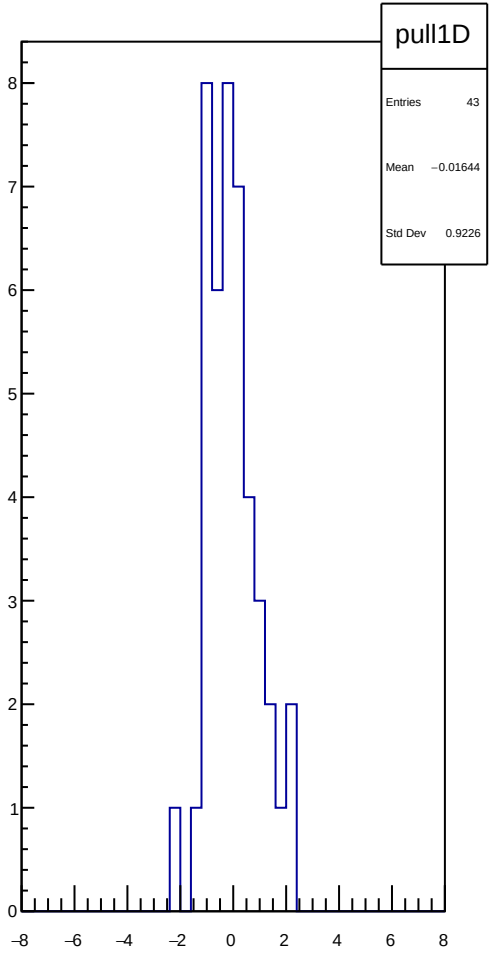
6104. 7
6104. 8


eigen_cor_asym_atr2_mean vs run
×10^3
χ^2 / ndf 36.62 / 42
p0 6446 ± 3999
100
80
60
40
20
0
−20
−40
−60
−80
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 62.86
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2


pull1D
Entries 43
Mean −0.01644
Std Dev 0.9226
8
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1
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−4
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2
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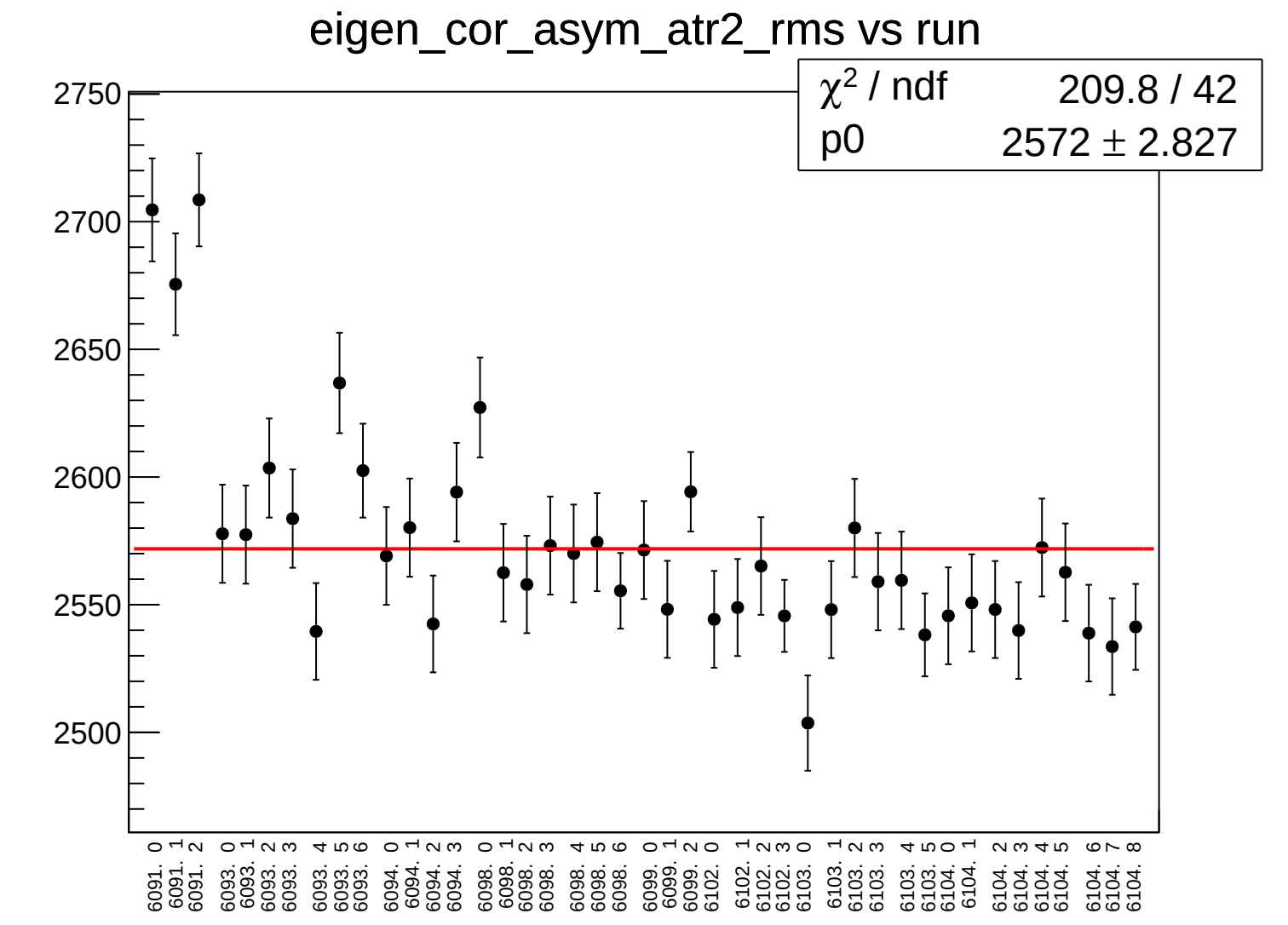
6
8


eigen_cor_asym_atr2_rms vs run
χ² / ndf 209.8 / 42
p0 2572 ± 2.827
2750
2700
2650
2600
2550
2500
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
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6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
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6104. 1
6104. 2
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6104. 5
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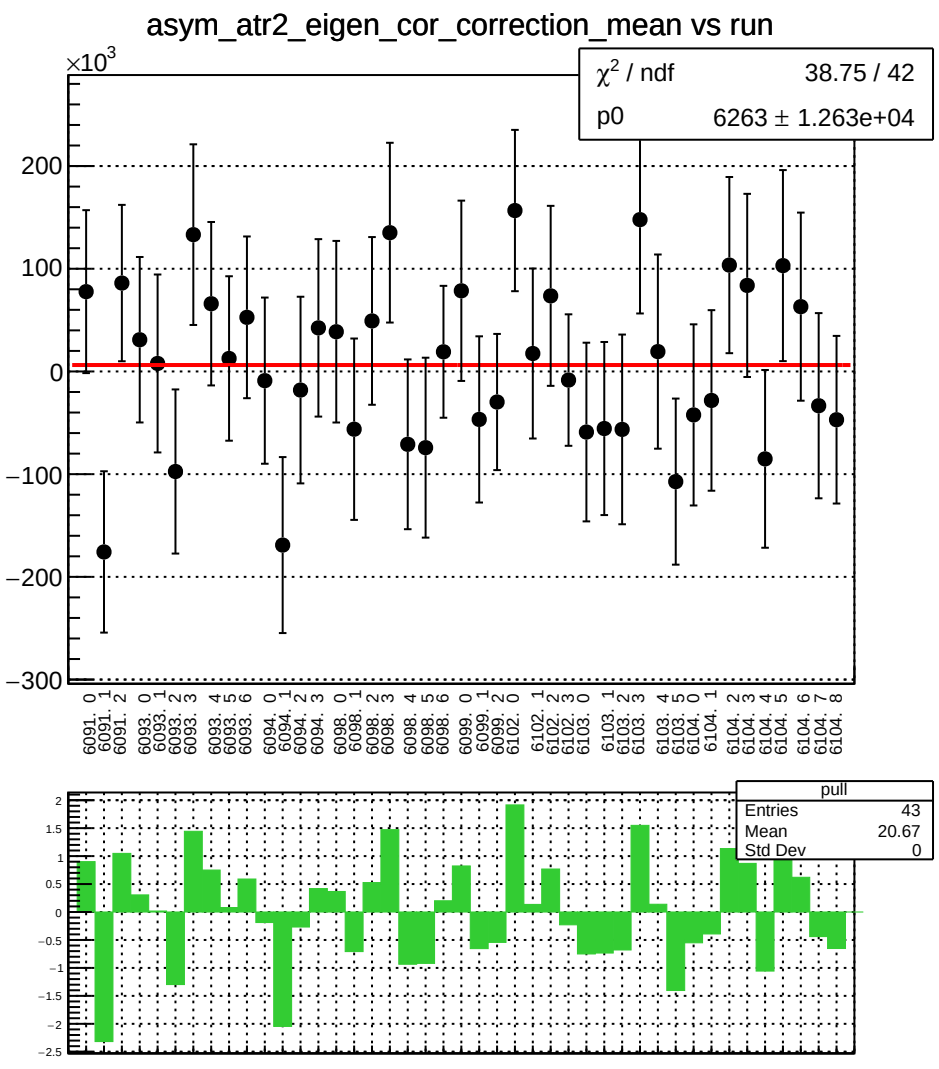
asym_atr2_eigen_cor_correction_mean vs run
×10^3
χ² / ndf 38.75 / 42
p0 6263 ± 1.263e+04
200
100
0
−100
−200
−300
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
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6098. 4
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6099. 0
6099. 1
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6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
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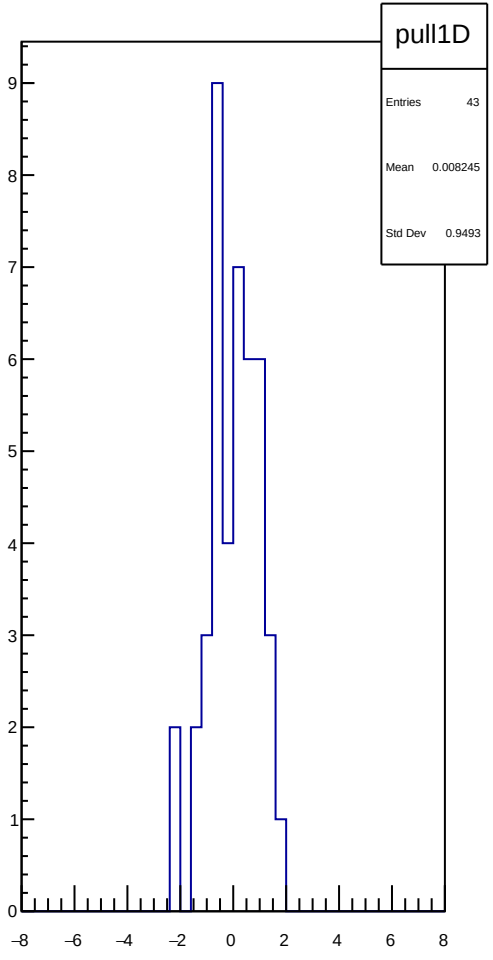
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 20.67
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5


pull1D
Entries 43
Mean 0.008245
Std Dev 0.9493
9
8
7
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5
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3
2
1
0
−8
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−4
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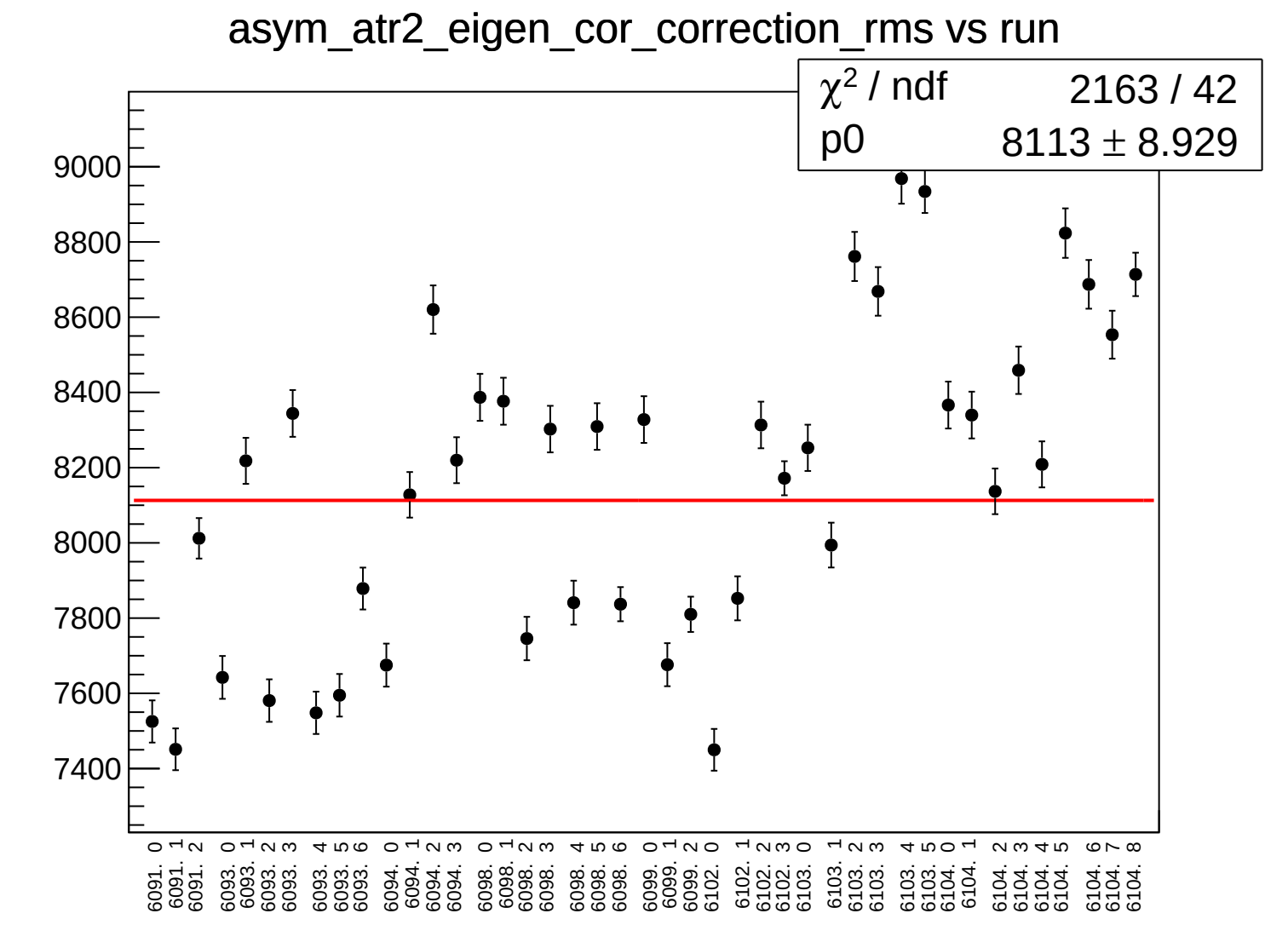
2
4
6
8


asym_atr2_eigen_cor_correction_rms vs run
χ² / ndf 2163 / 42
p0 8113 ± 8.929
9000
8800
8600
8400
8200
8000
7800
7600
7400
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
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6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
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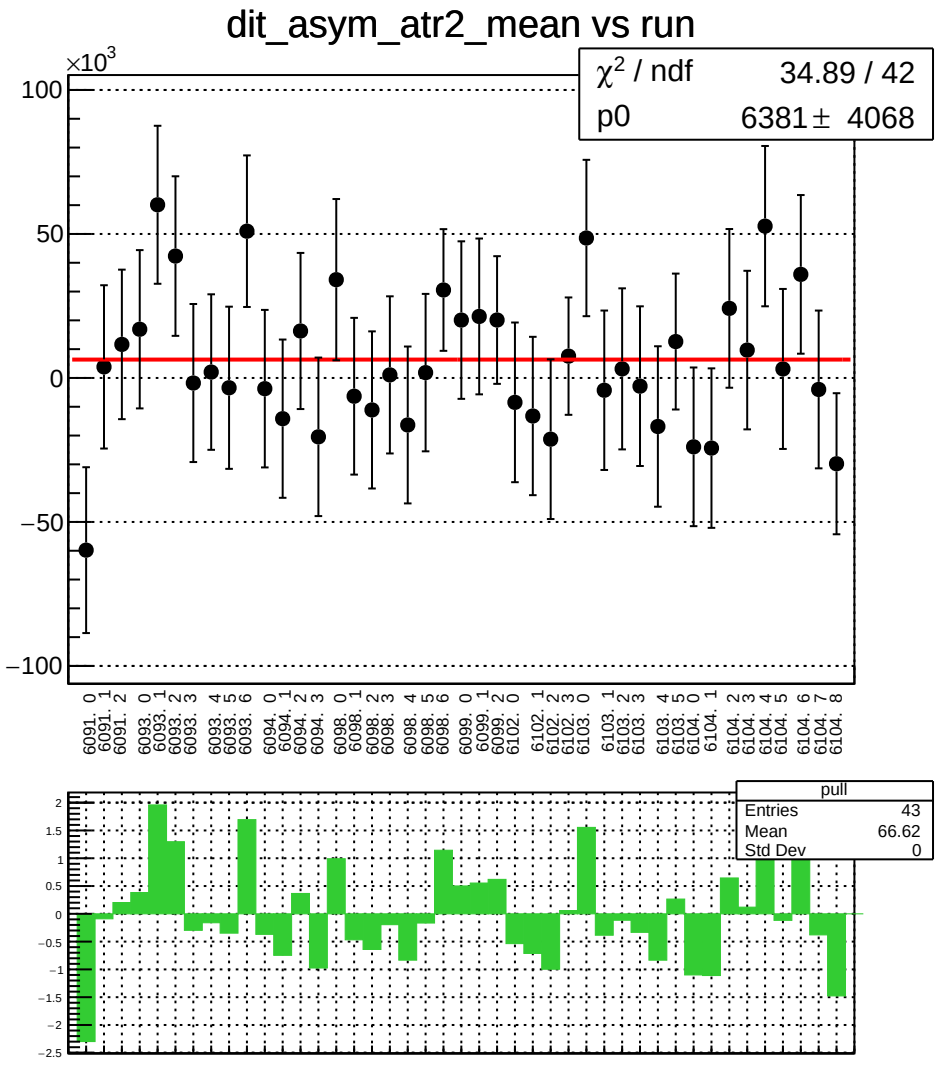
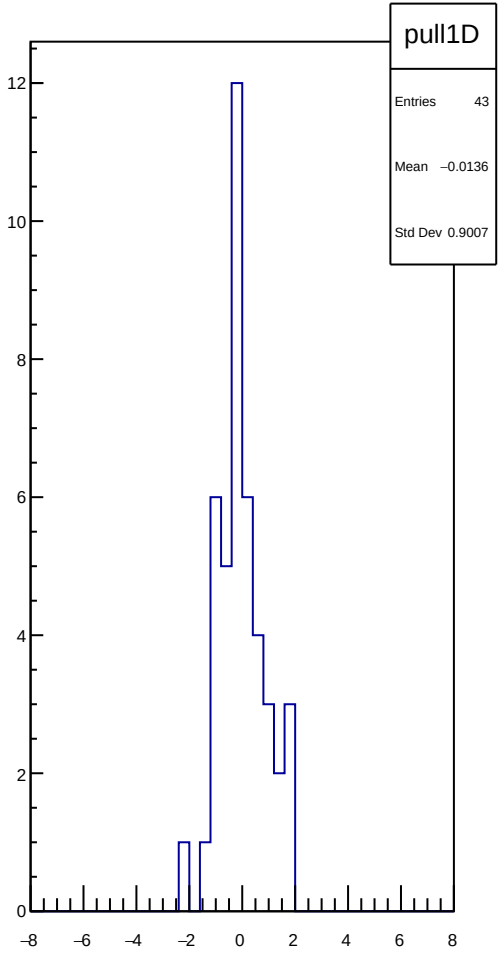
6104. 6
6104. 7
6104. 8


dit_asym_atr2_mean vs run
×10^3
χ^2 / ndf 34.89 / 42
p0 6381 ± 4068
100
50
0
−50
−100
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 66.62
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5


pull1D
Entries 43
Mean −0.0136
Std Dev 0.9007
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10
8
6
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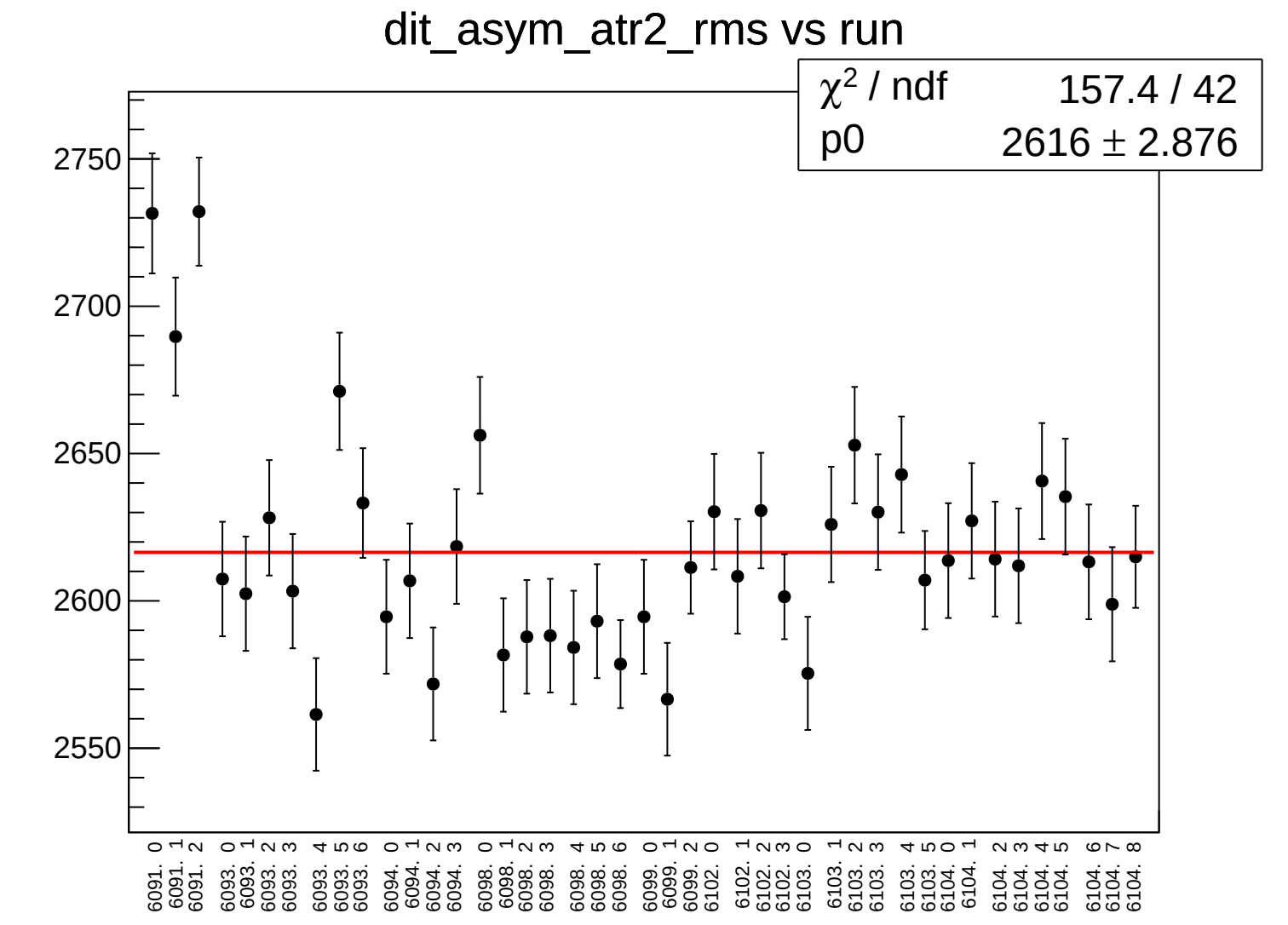
2
0
−8
−6
−4
−2
0
2
4
6
8


dit_asym_atr2_rms vs run
χ² / ndf 157.4 / 42
p0 2616 ± 2.876
2750
2700
2650
2600
2550
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
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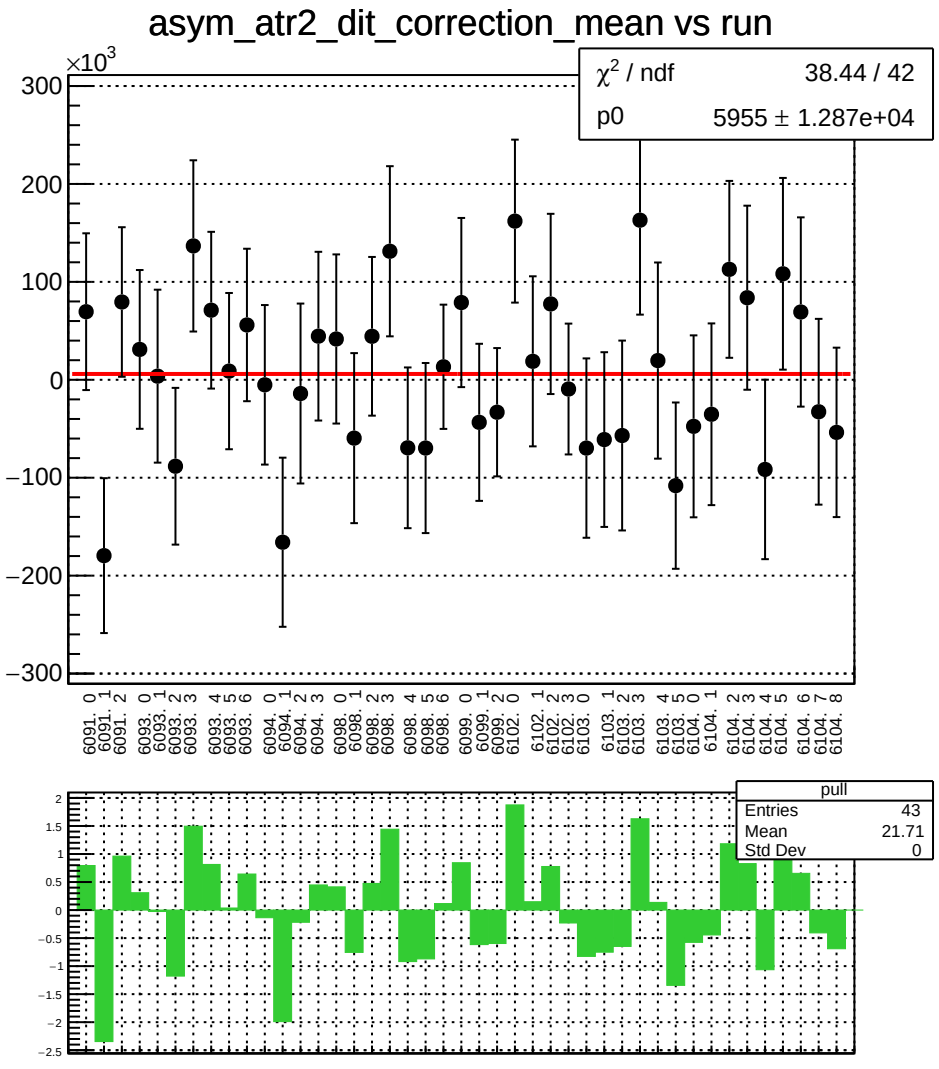
6104. 8


asym_atr2_dit_correction_mean vs run
×10^3
χ² / ndf 38.44 / 42
p0 5955 ± 1.287e+04
300
200
100
0
−100
−200
−300
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
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6098. 0
6098. 1
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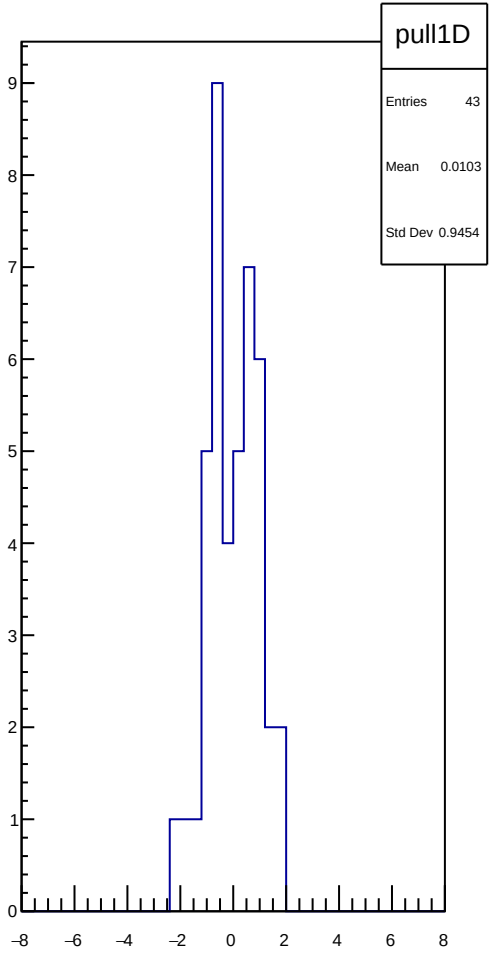
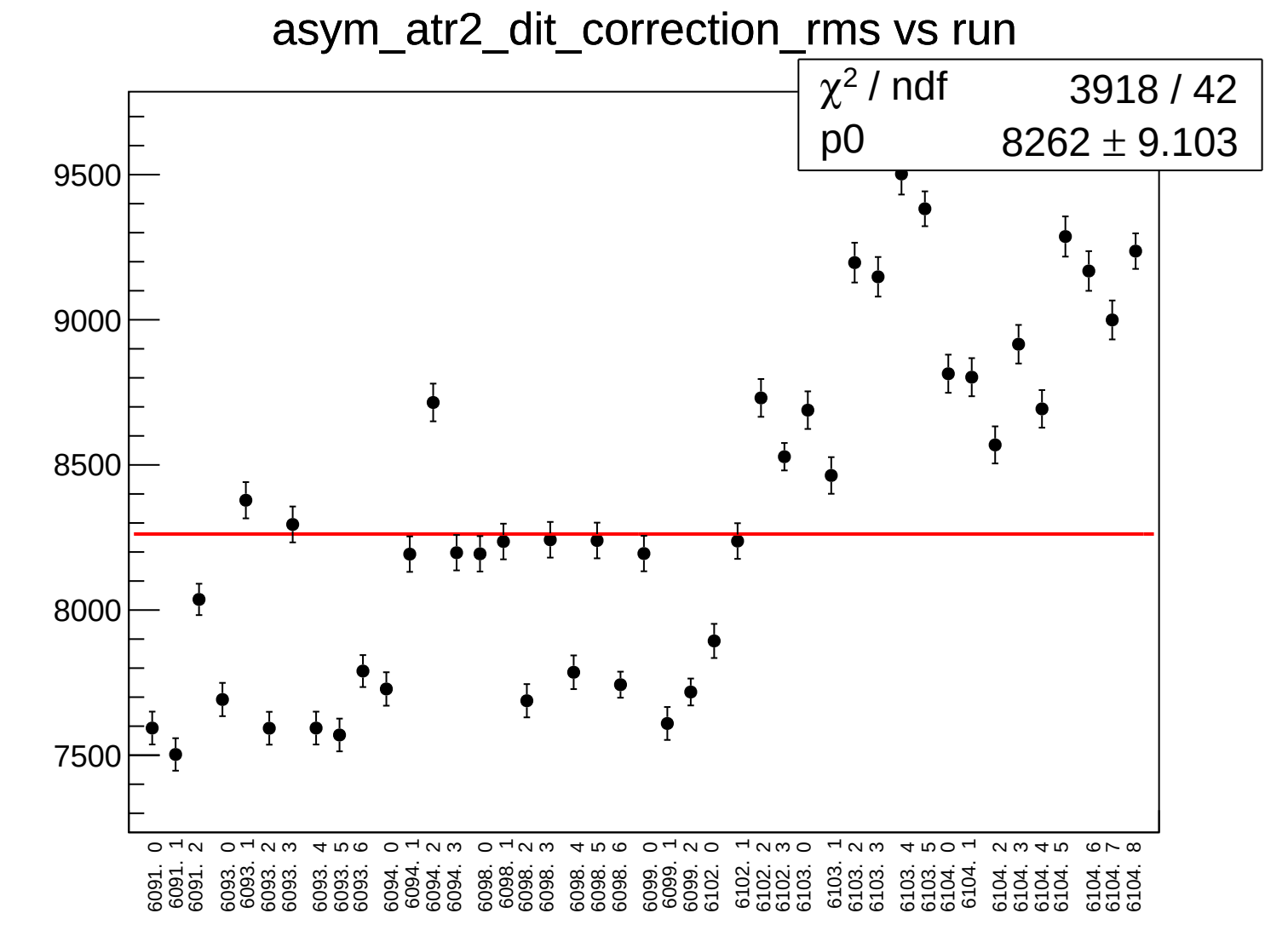
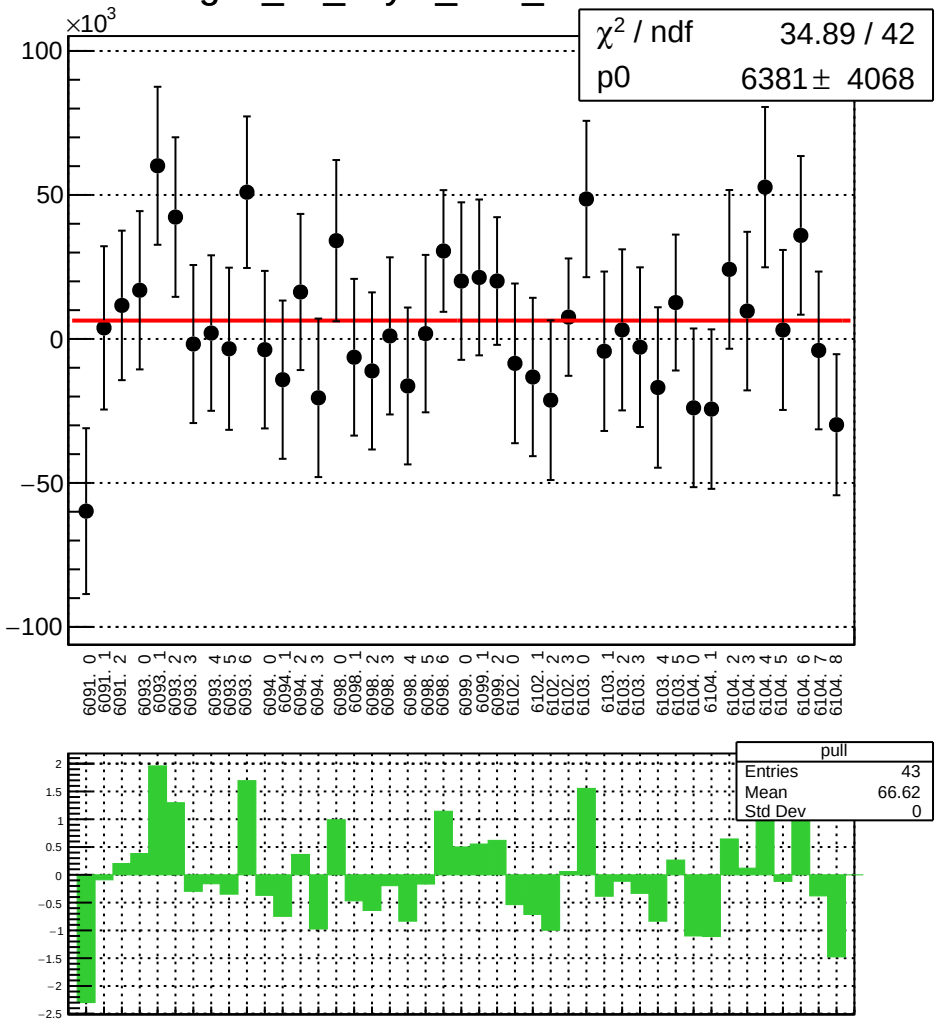
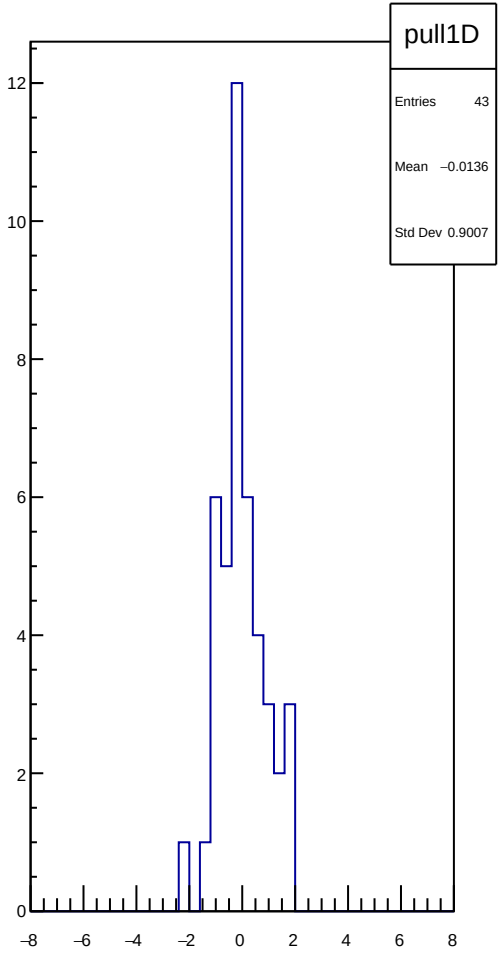
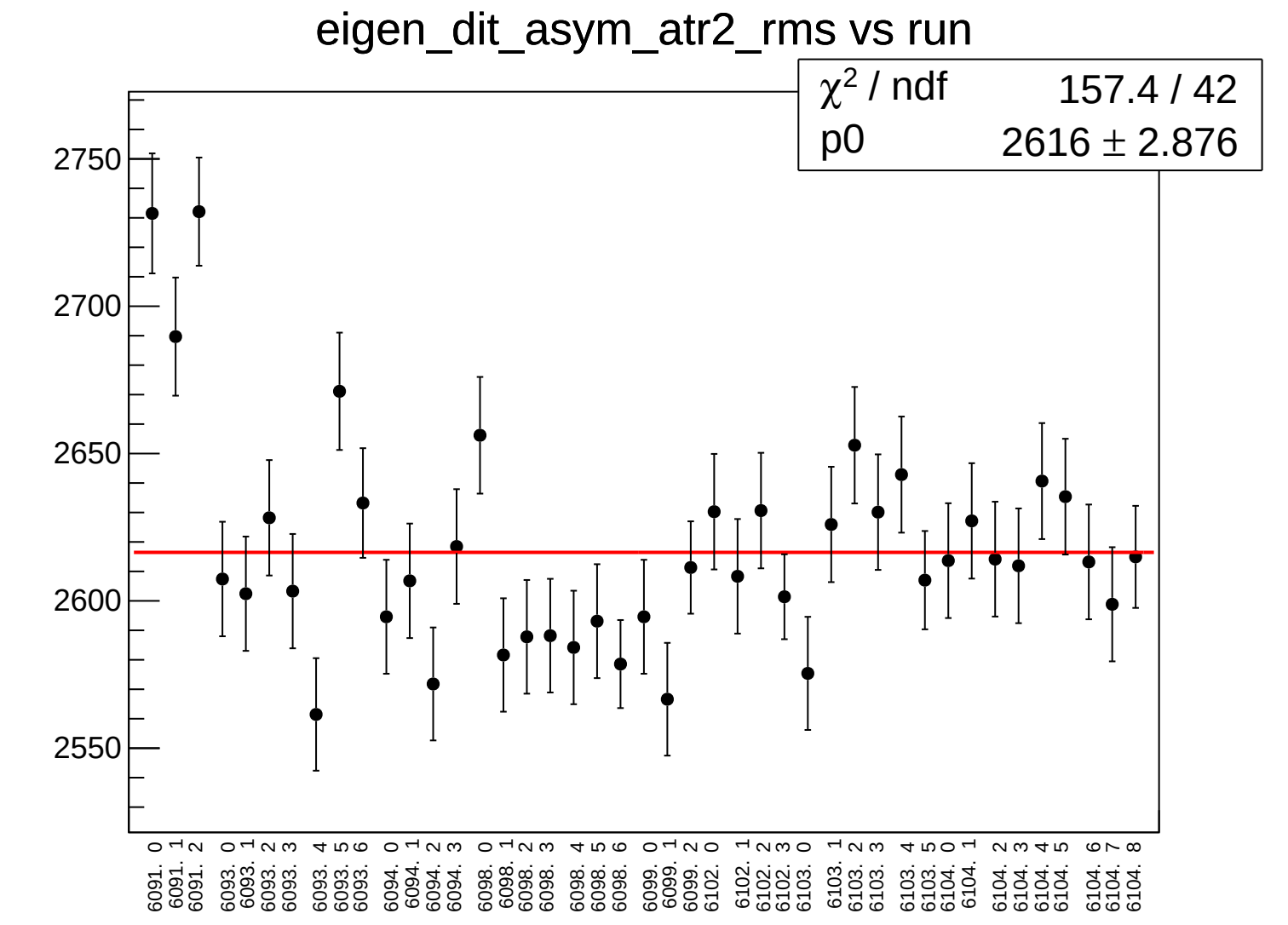
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 21.71
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

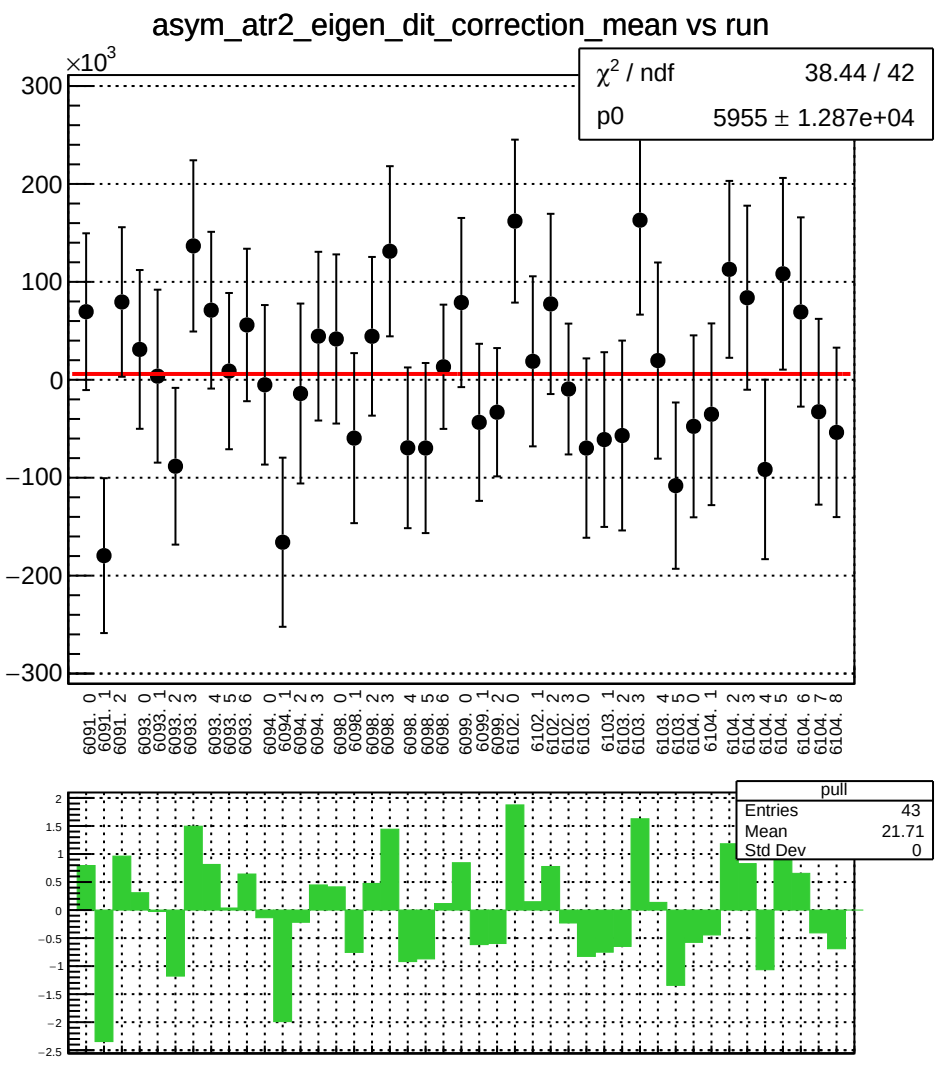

pull1D
Entries 43
Mean 0.0103
Std Dev 0.9454
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

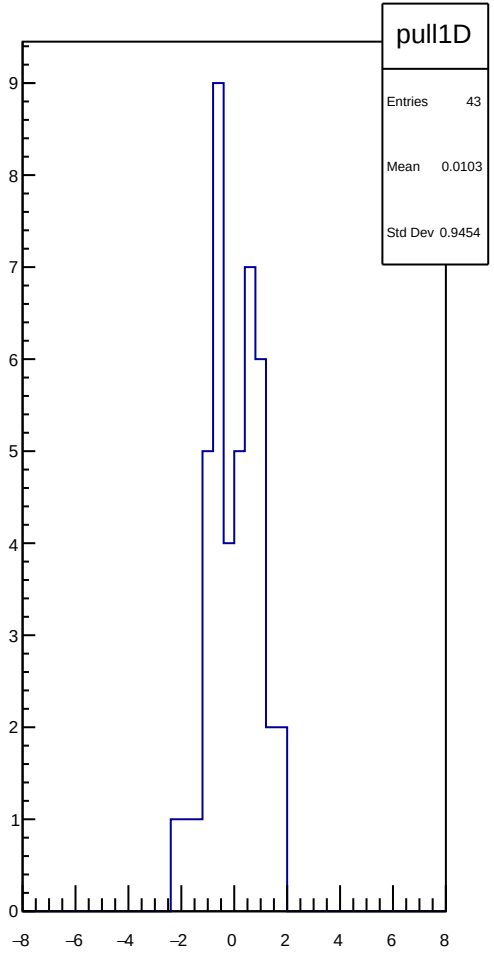

asym_atr2_dit_correction_rms vs run
χ² / ndf 3918 / 42
p0 8262 ± 9.103
9500
9000
8500
8000
7500
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

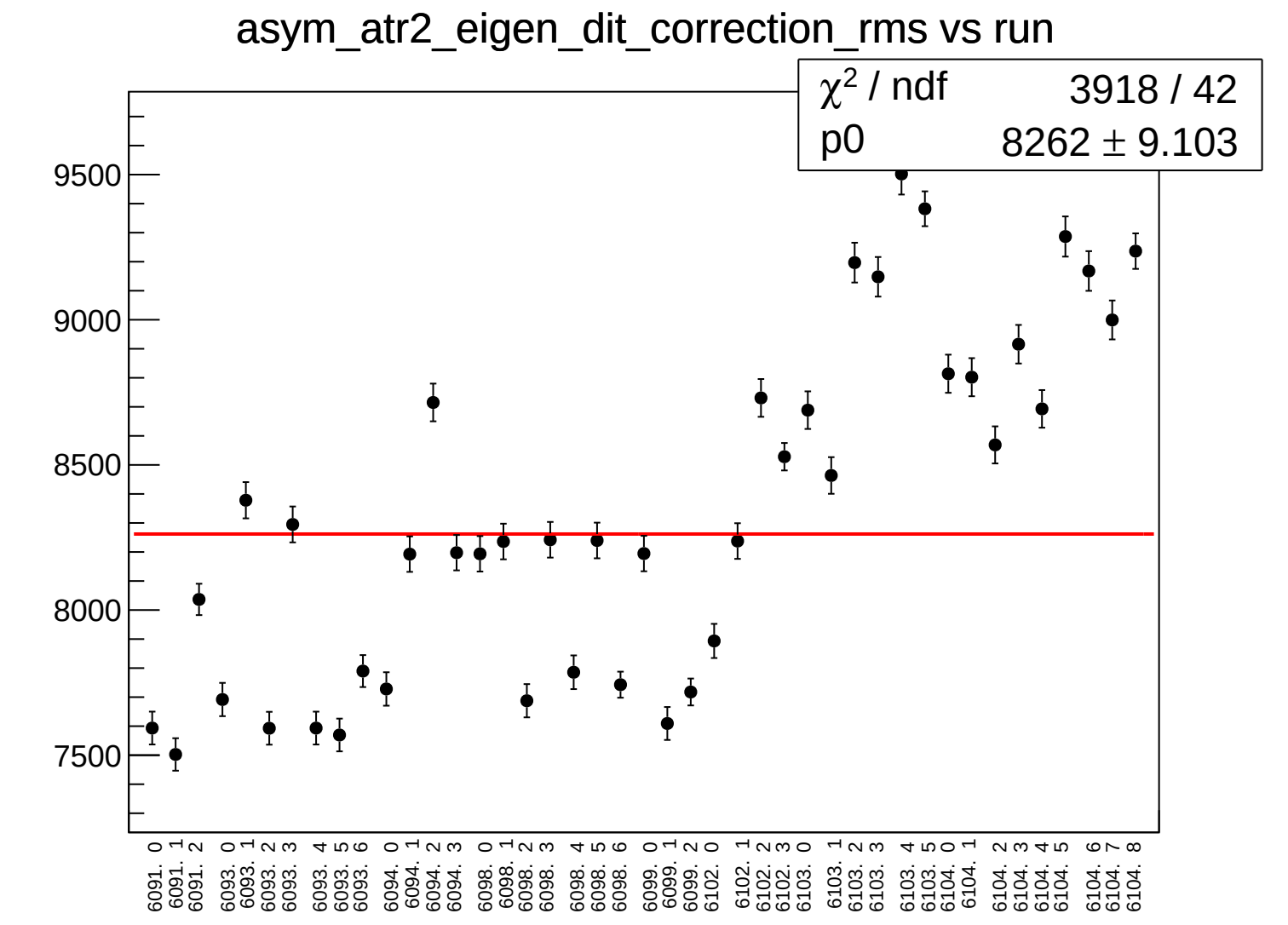

eigen_dit_asym_atr2_mean vs run
×10^3
χ^2 / ndf 34.89 / 42
p0 6381 ± 4068
100
50
0
−50
−100
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 66.62
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

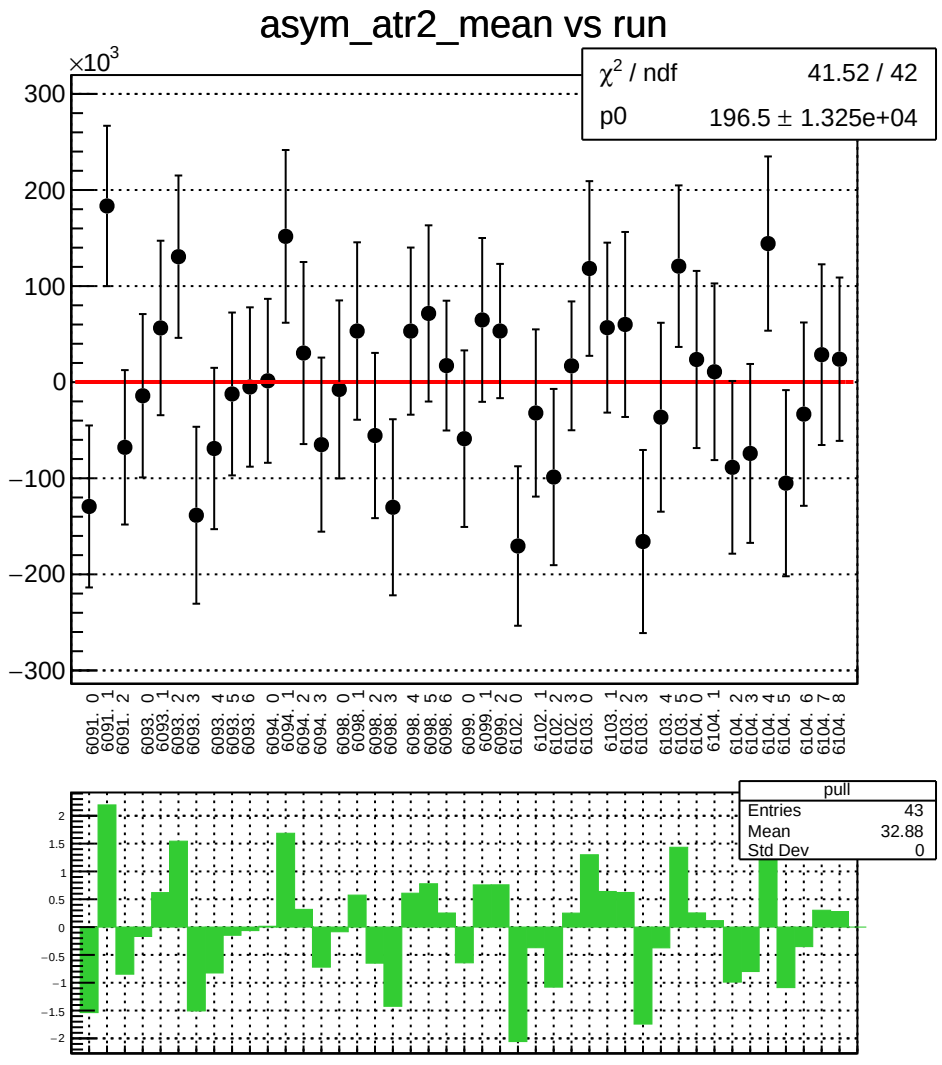

pull1D
Entries 43
Mean −0.0136
Std Dev 0.9007
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

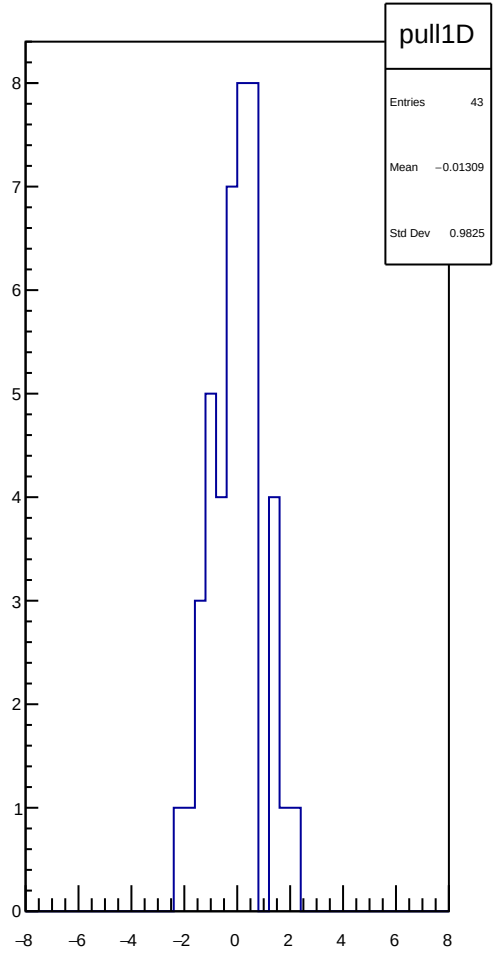

eigen_dit_asym_atr2_rms vs run
χ² / ndf 157.4 / 42
p0 2616 ± 2.876
2750
2700
2650
2600
2550
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

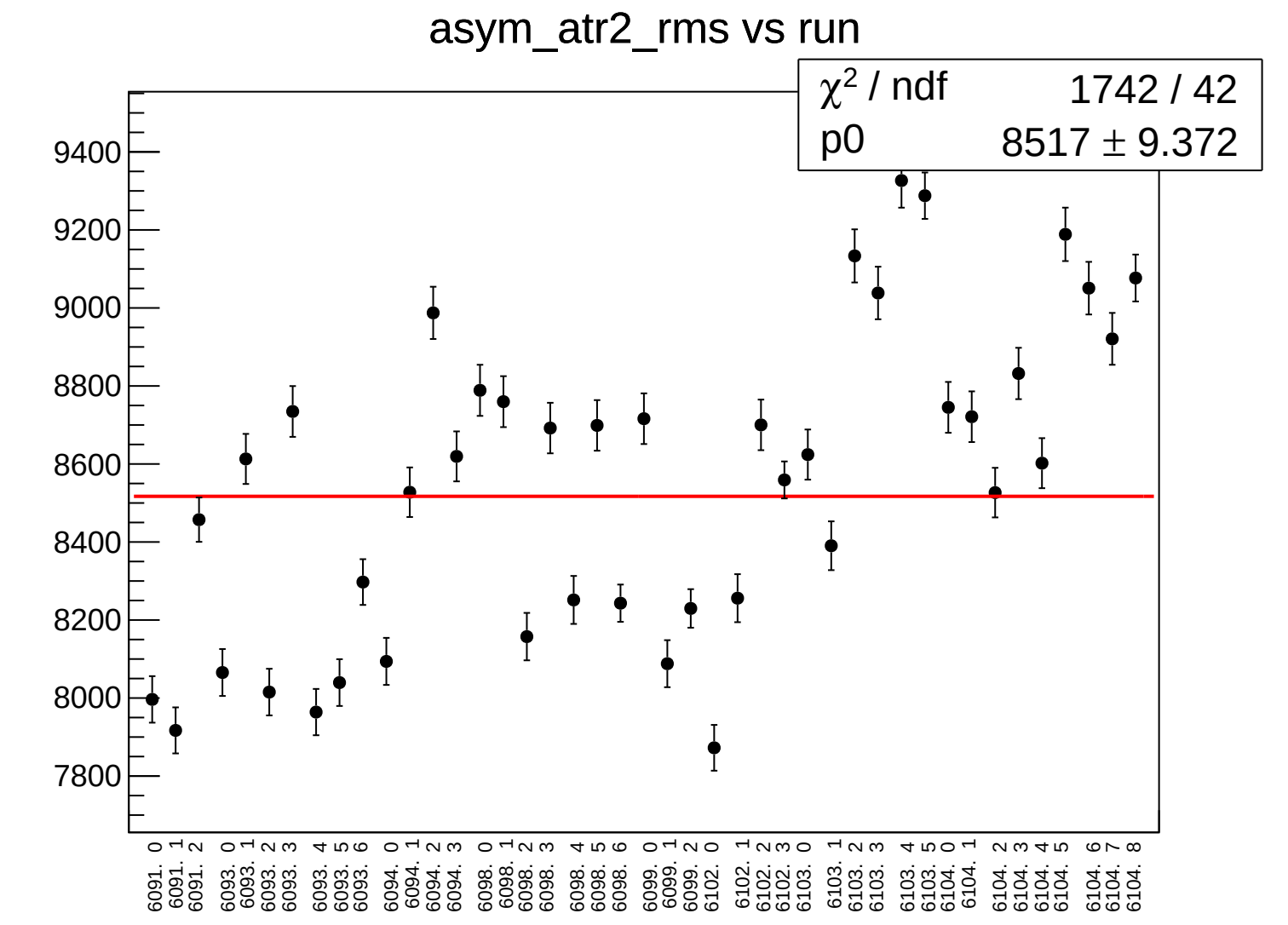

asym_atr2_eigen_dit_correction_mean vs run
×10^3
χ² / ndf 38.44 / 42
p0 5955 ± 1.287e+04
pull
Entries 43
Mean 21.71
Std Dev 0

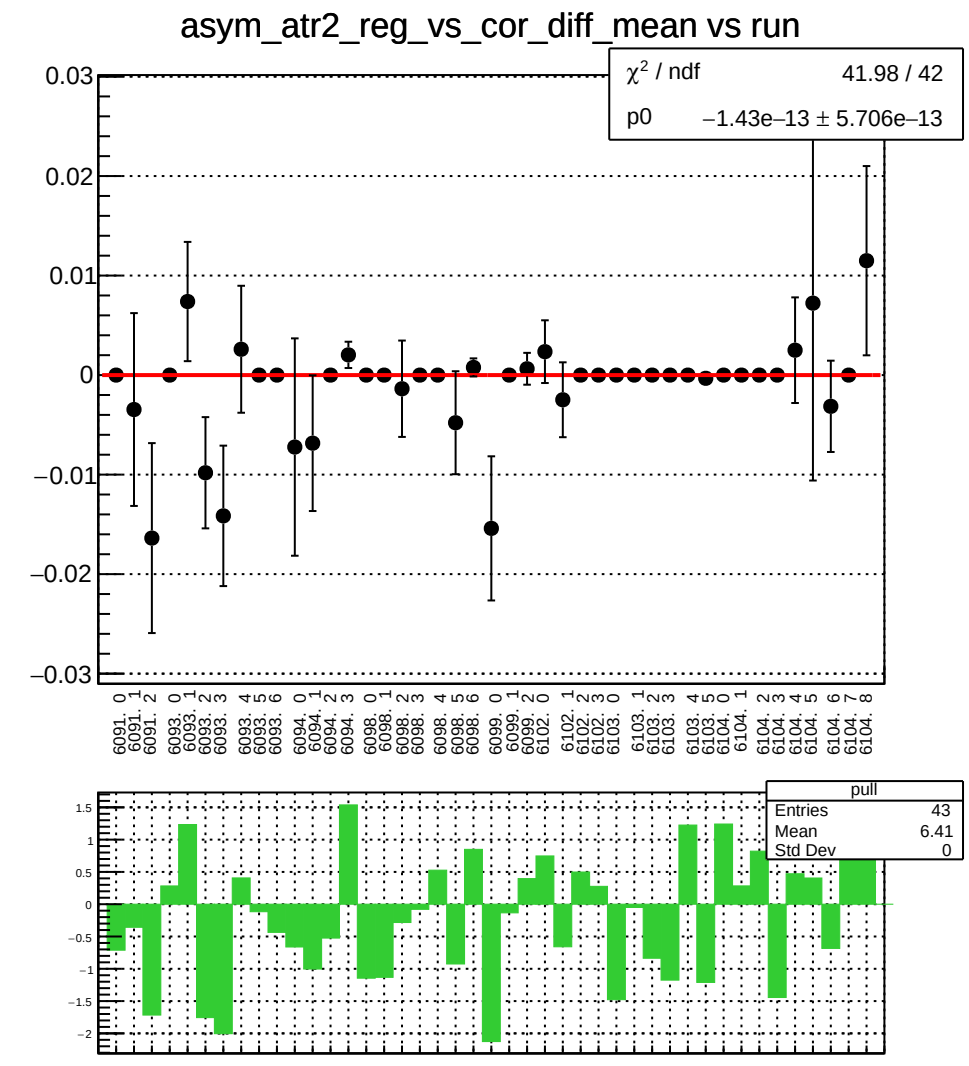

pull1D
Entries 43
Mean 0.0103
Std Dev 0.9454

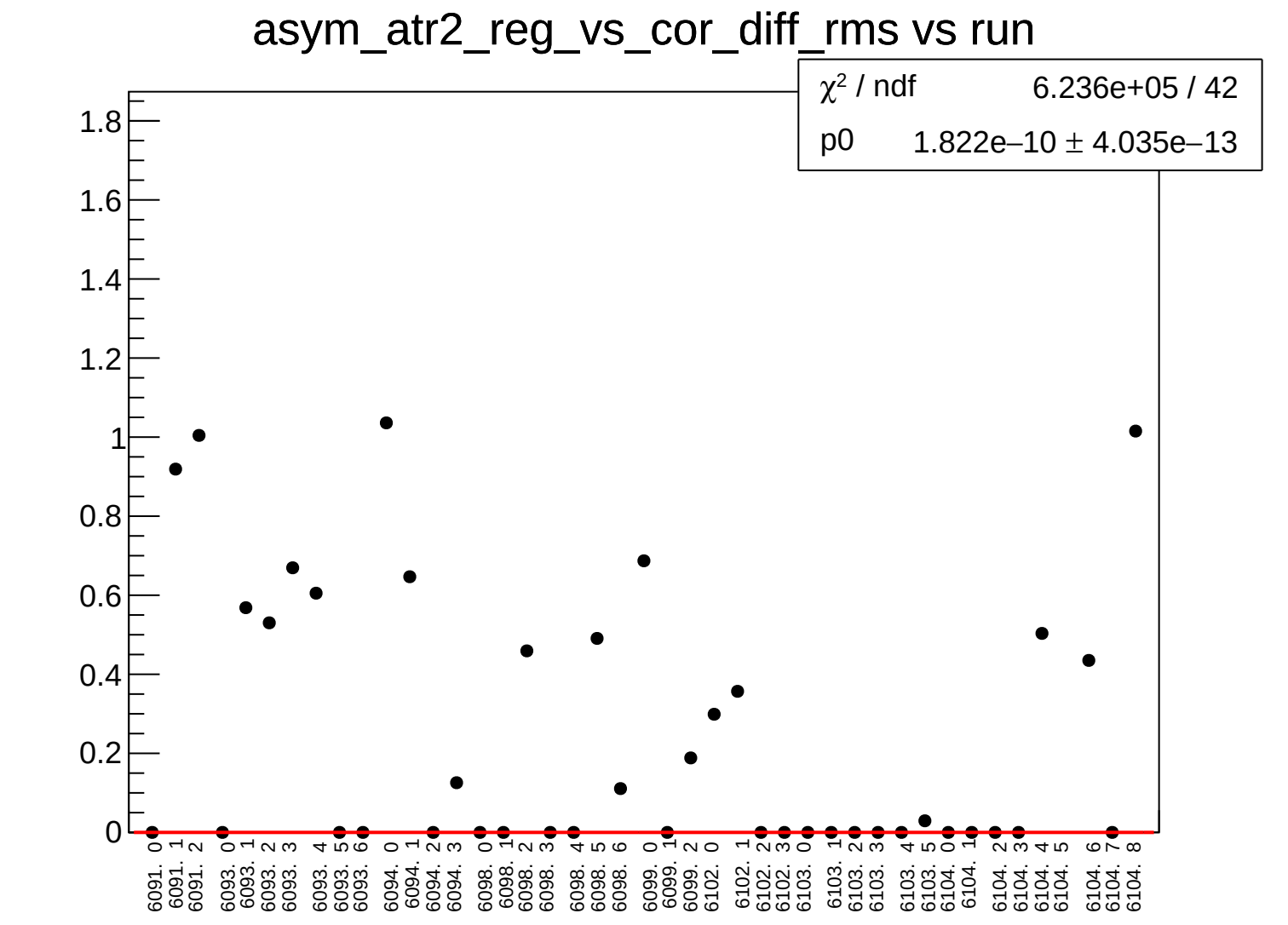

asym_atr2_eigen_dit_correction_rms vs run
χ² / ndf 3918 / 42
p0 8262 ± 9.103
9500
9000
8500
8000
7500
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

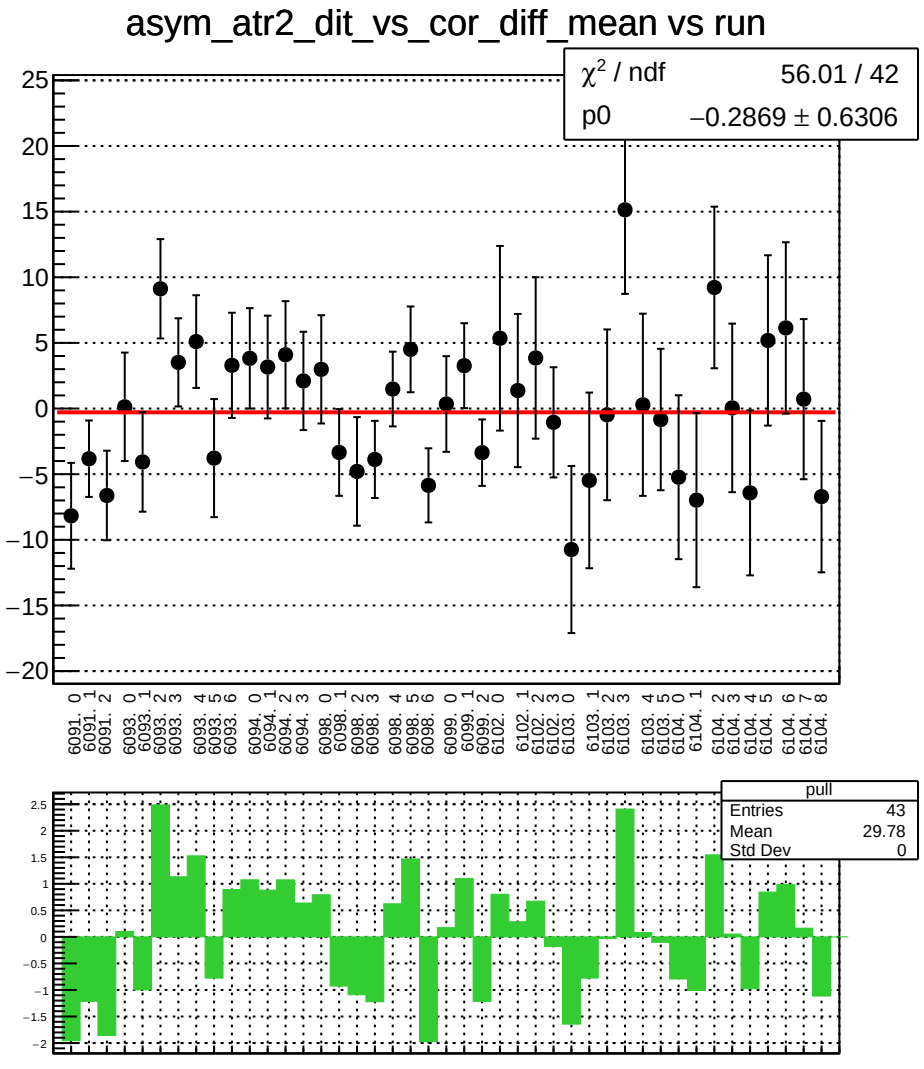

asym_atr2_mean vs run
×10^3
χ² / ndf 41.52 / 42
p0 196.5 ± 1.325e+04
pull
Entries 43
Mean 32.88
Std Dev 0

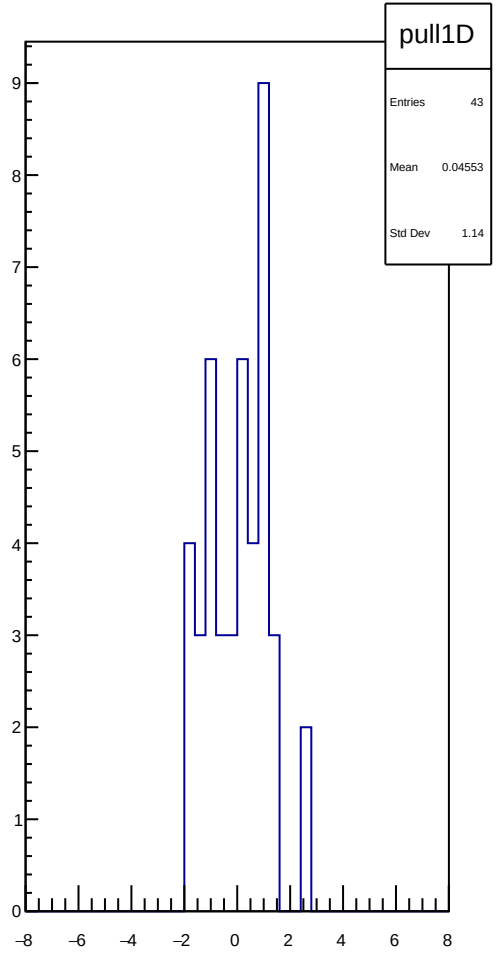

pull1D
Entries 43
Mean −0.01309
Std Dev 0.9825

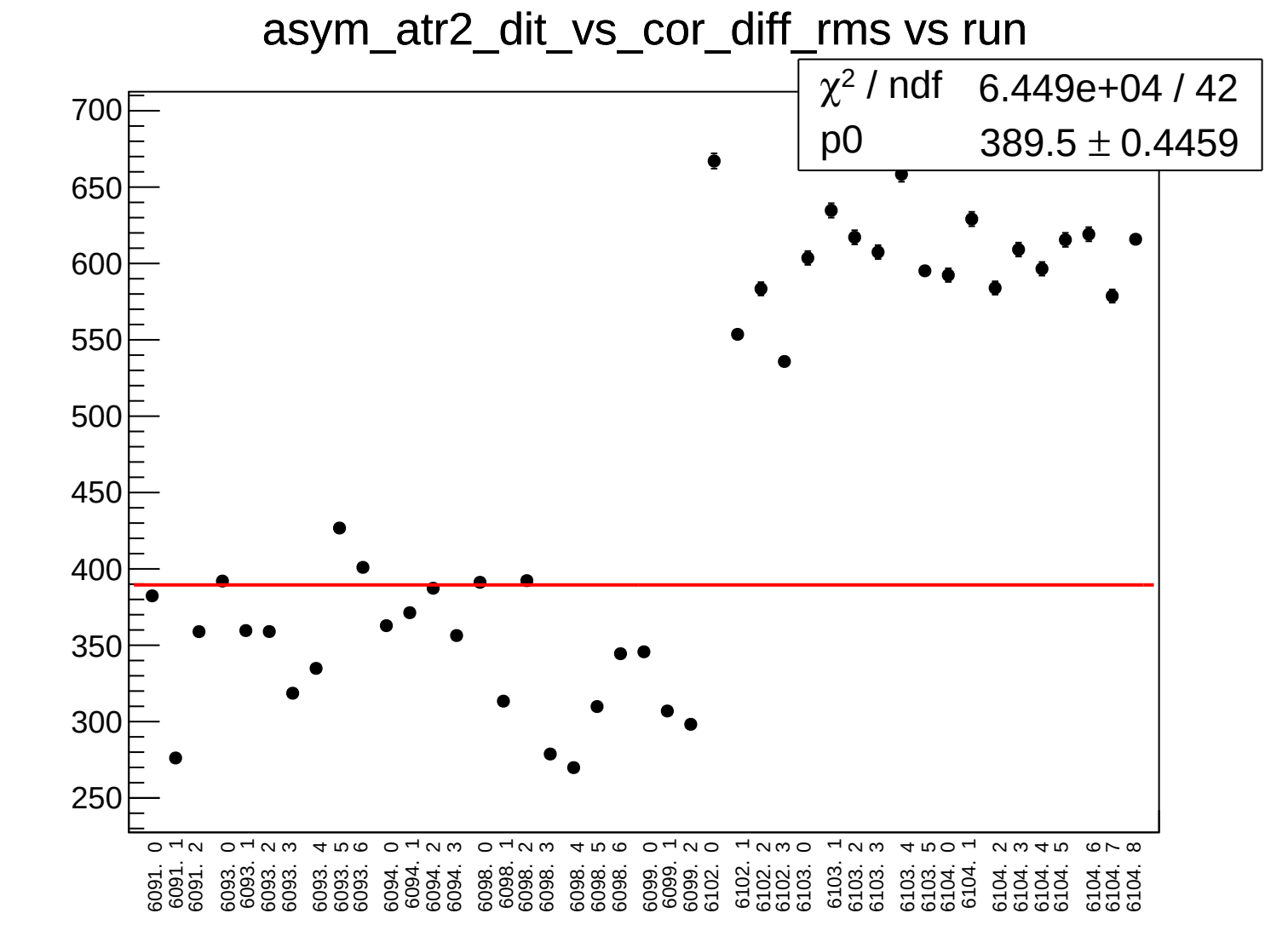

asym_atr2_rms vs run
χ² / ndf 1742 / 42
p0 8517 ± 9.372
9400
9200
9000
8800
8600
8400
8200
8000
7800
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

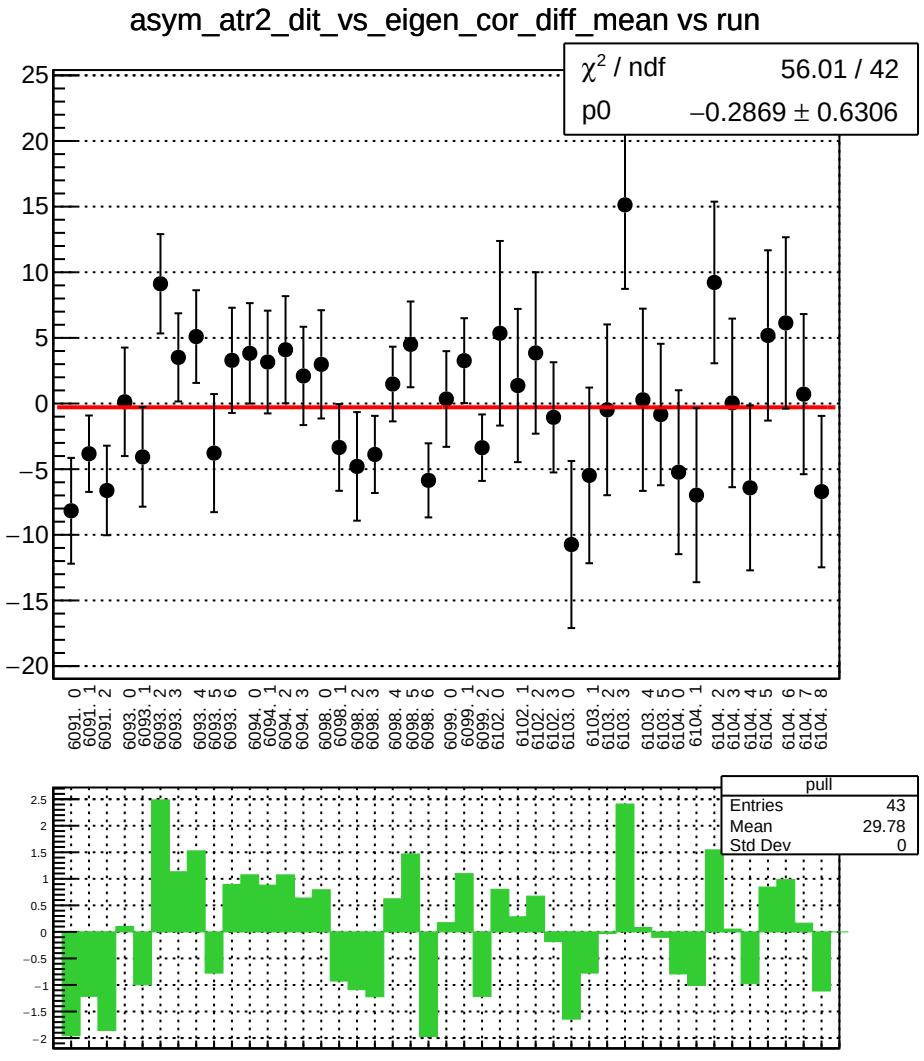

asym_atr2_reg_vs_cor_diff_mean vs run
χ² / ndf 41.98 / 42
p0 −1.43e−13 ± 5.706e−13
0.03
0.02
0.01
0
−0.01
−0.02
−0.03
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 6.41
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 43
Mean −0.2178
Std Dev 0.9638
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

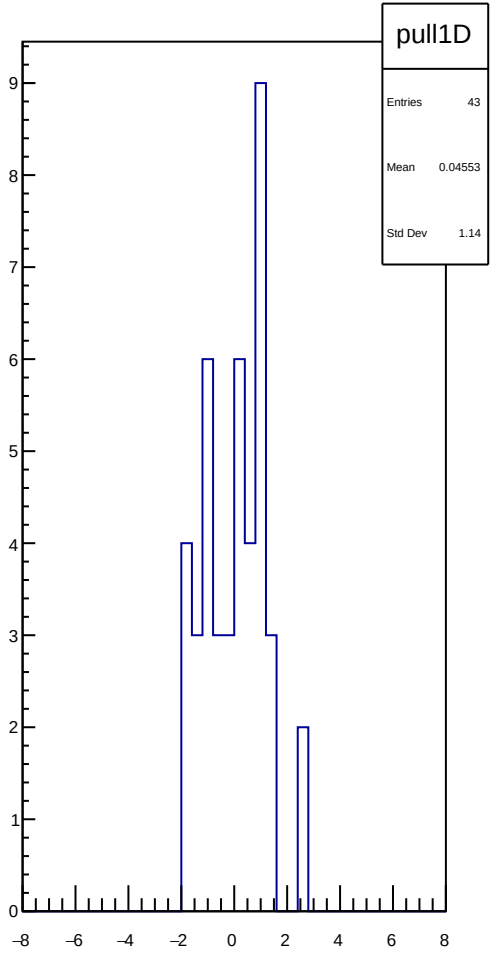

asym_atr2_reg_vs_cor_diff_rms vs run
χ² / ndf 6.236e+05 / 42
p0 1.822e−10 ± 4.035e−13
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

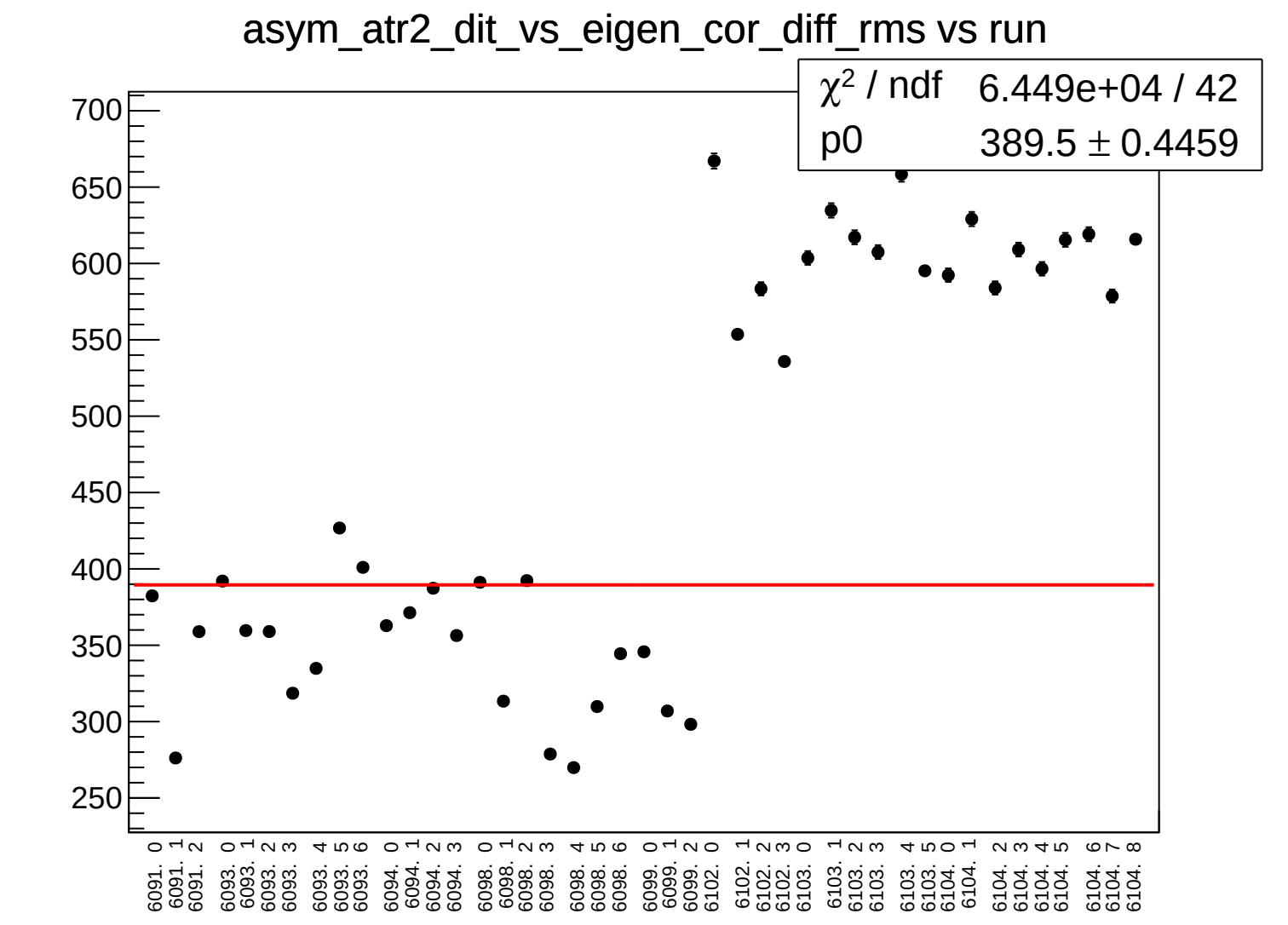

asym_atr2_dit_vs_cor_diff_mean vs run
χ² / ndf 56.01 / 42
p0 −0.2869 ± 0.6306
pull
Entries 43
Mean 29.78
Std Dev 0

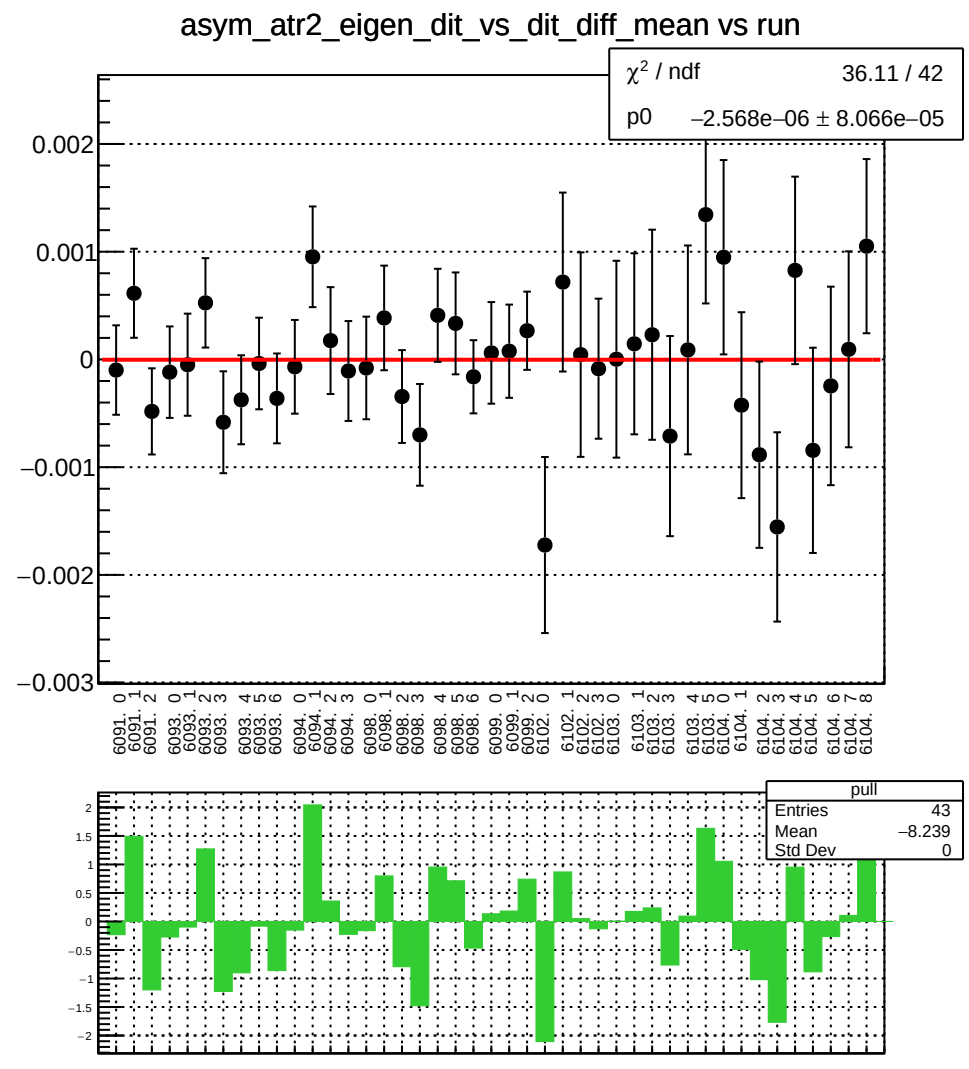

pull1D
Entries 43
Mean 0.04553
Std Dev 1.14

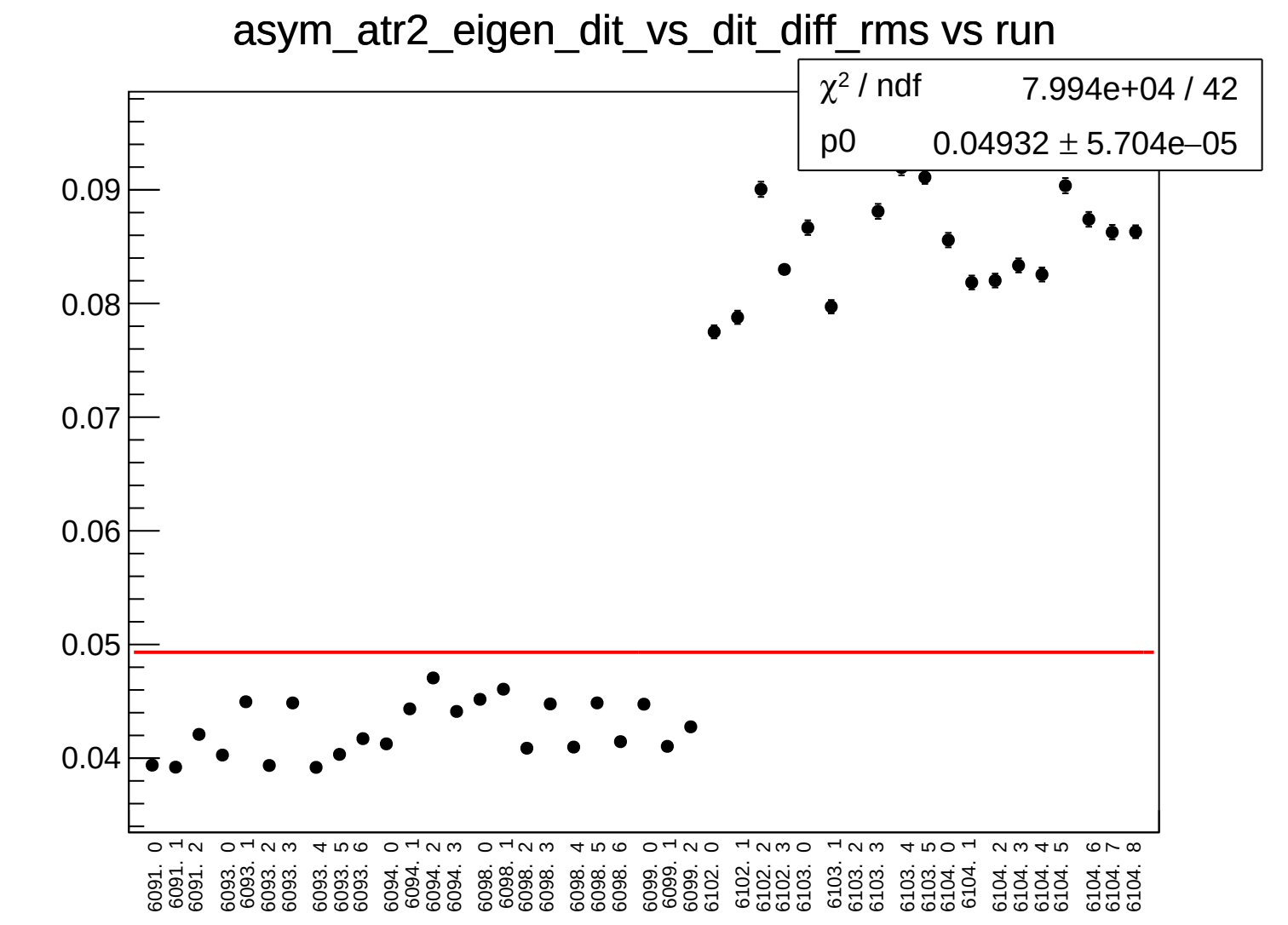

asym_atr2_dit_vs_cor_diff_rms vs run
χ² / ndf 6.449e+04 / 42
p0 389.5 ± 0.4459
700
650
600
550
500
450
400
350
300
250
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8


asym_atr2_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 56.01 / 42
p0 −0.2869 ± 0.6306
pull
Entries 43
Mean 29.78
Std Dev 0

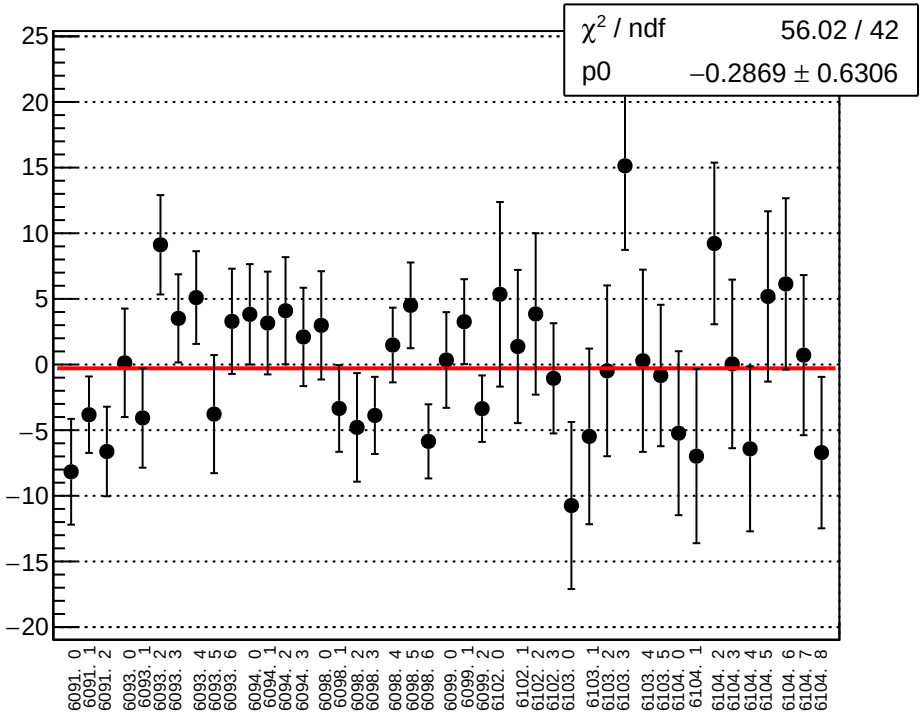

pull1D
Entries 43
Mean 0.04553
Std Dev 1.14

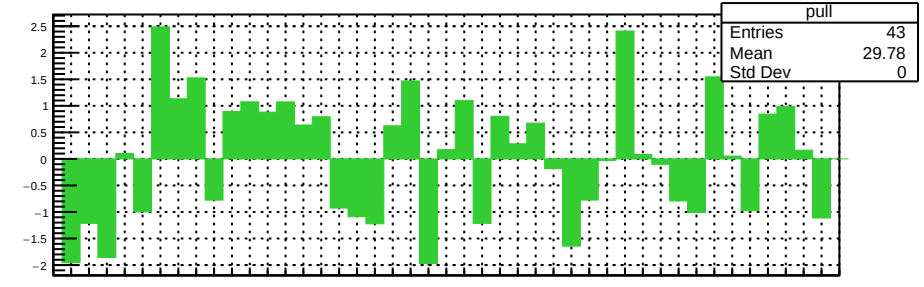

asym_atr2_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 6.449e+04 / 42
p0 389.5 ± 0.4459
700
650
600
550
500
450
400
350
300
250
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

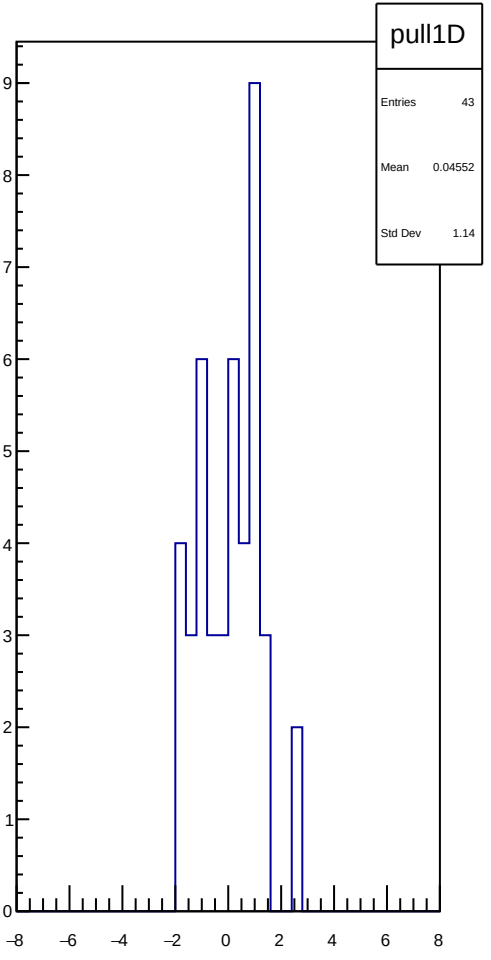

asym_atr2_eigen_dit_vs_dit_diff_mean vs run
χ² / ndf 36.11 / 42
p0 −2.568e−06 ± 8.066e−05
0.002
0.001
0
−0.001
−0.002
−0.003
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean −8.239
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 43
Mean −0.009045
Std Dev 0.9164
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

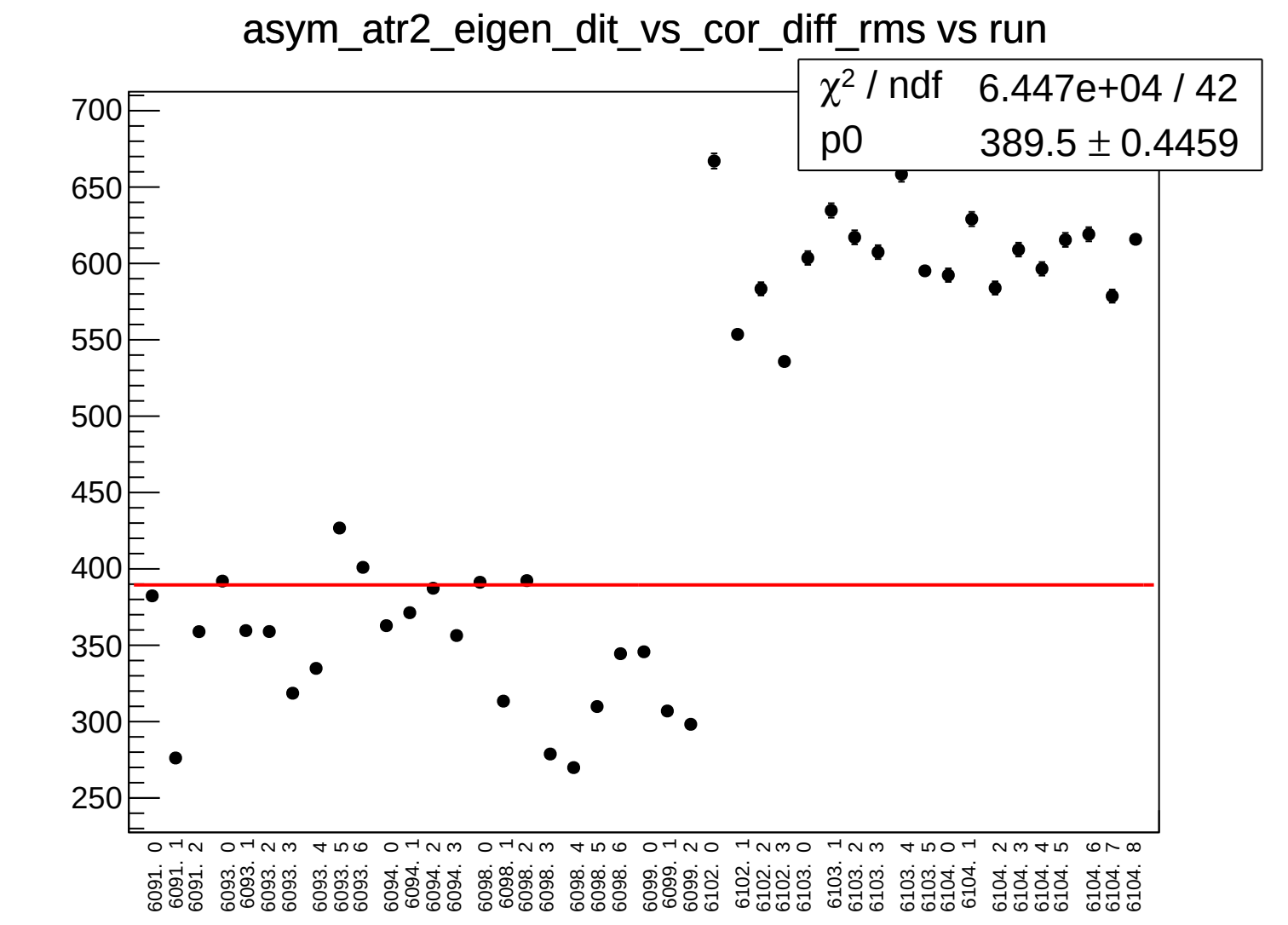

asym_atr2_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 7.994e+04 / 42
p0 0.04932 ± 5.704e−05
0.09
0.08
0.07
0.06
0.05
0.04
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

asym_atr2_eigen_dit_vs_cor_diff_mean vs run

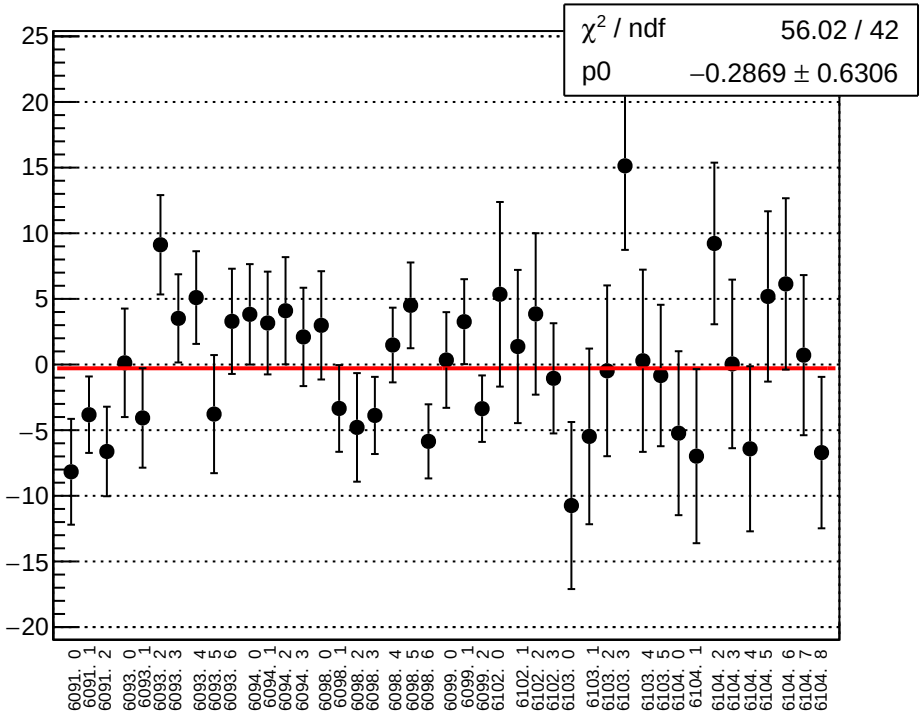


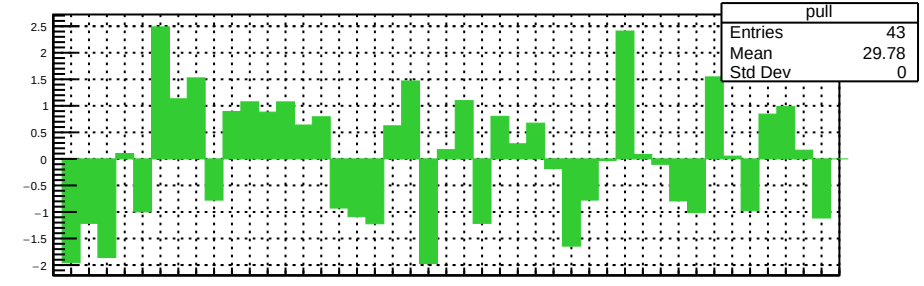


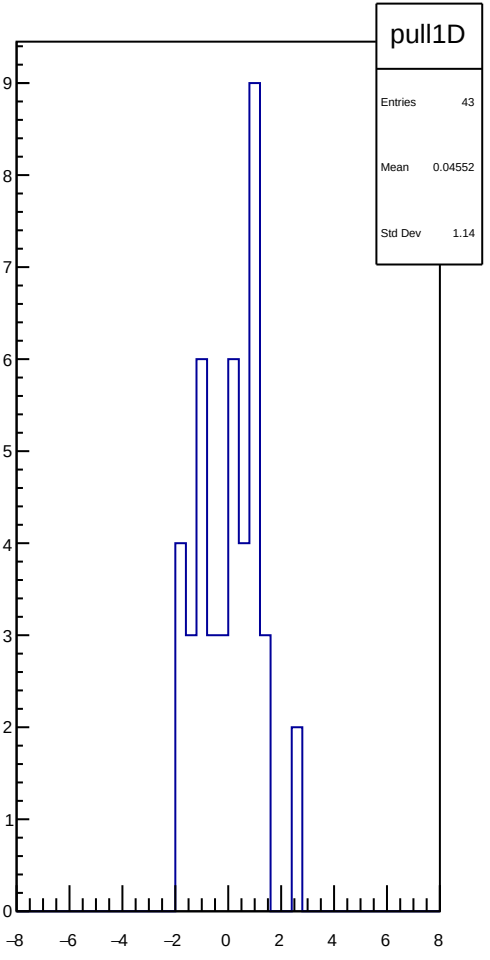


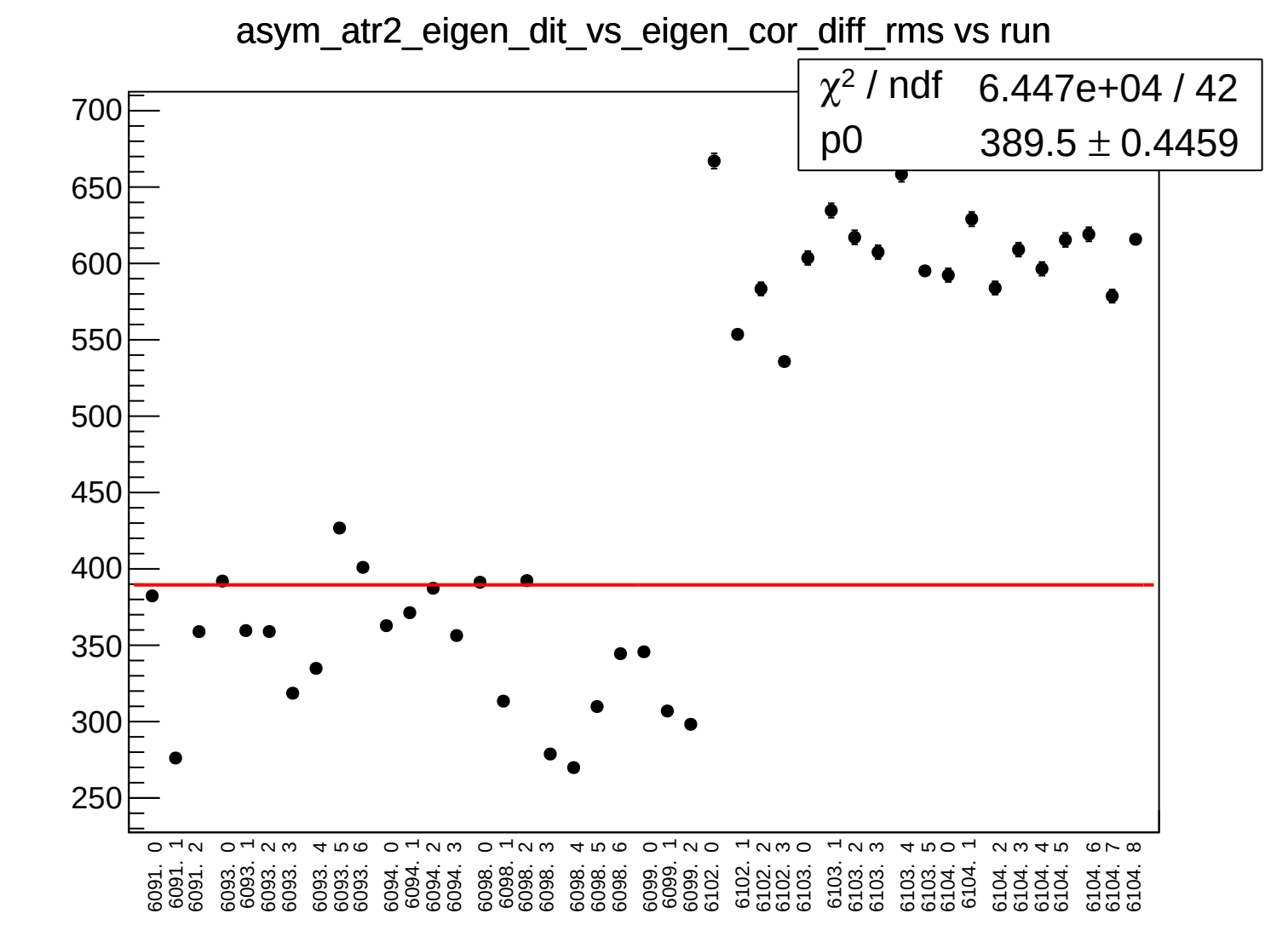

asym_atr2_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 6.447e+04 / 42
p0 389.5 ± 0.4459
700
650
600
550
500
450
400
350
300
250
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

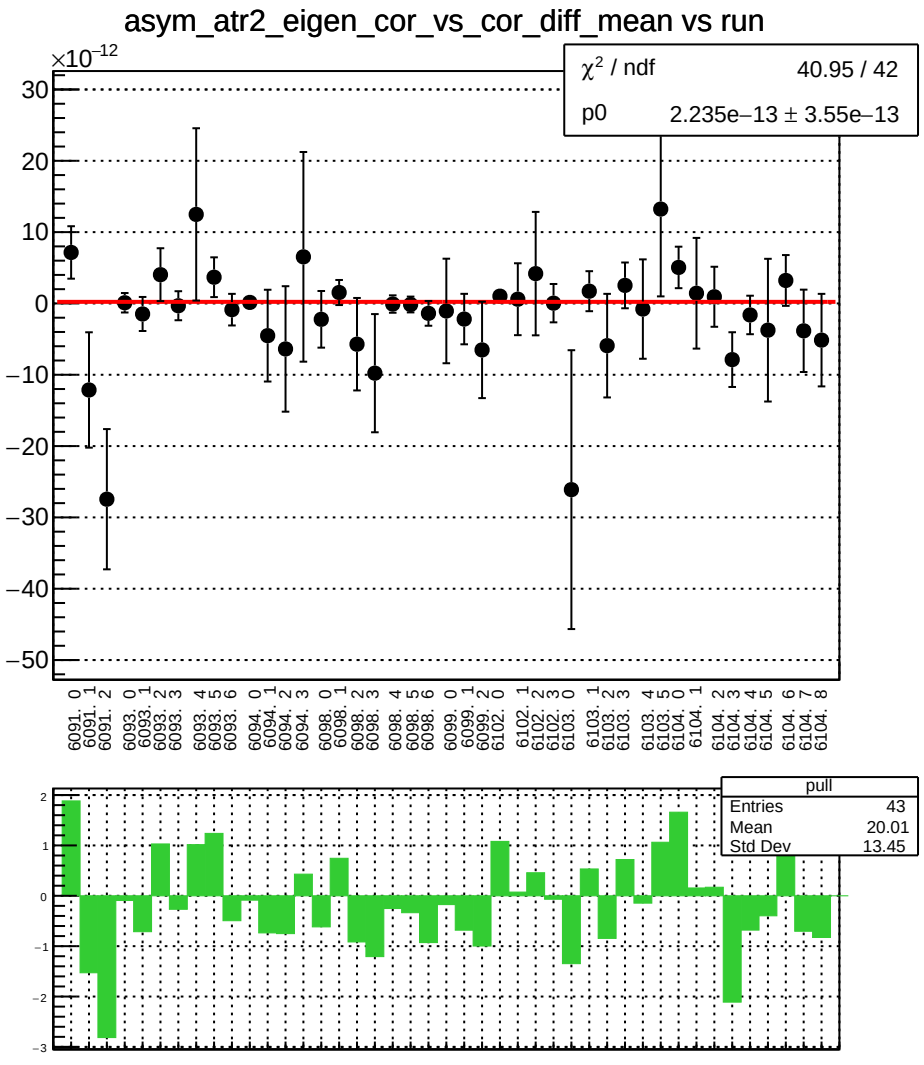
asym_atr2_eigen_dit_vs_eigen_cor_diff_mean vs run

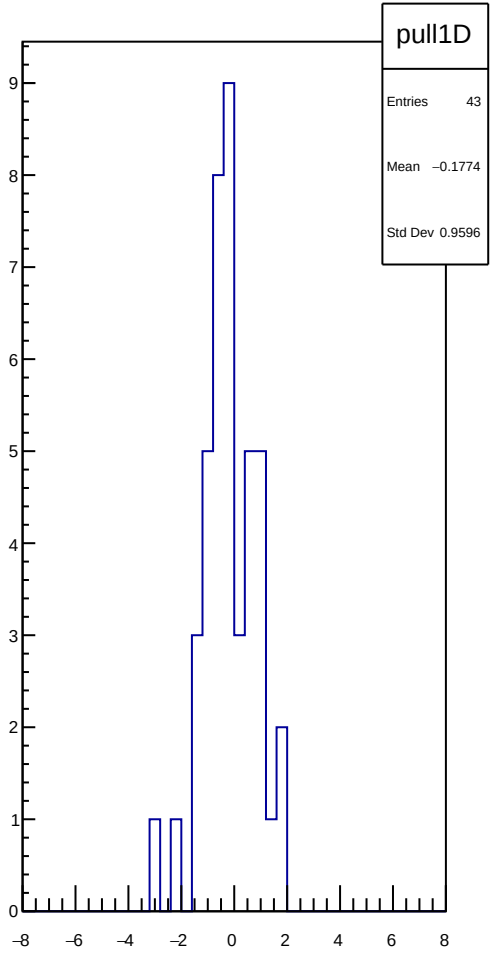


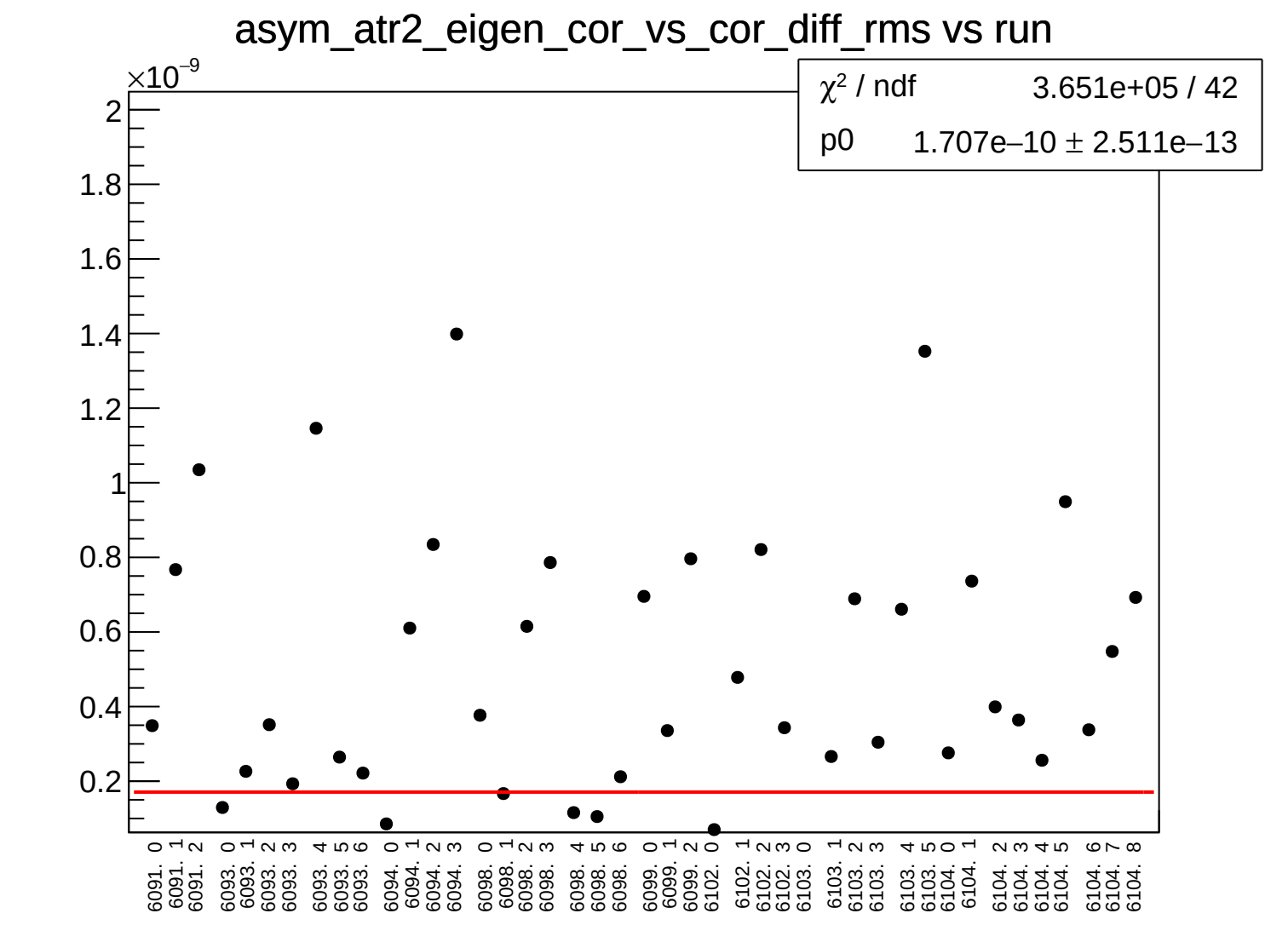


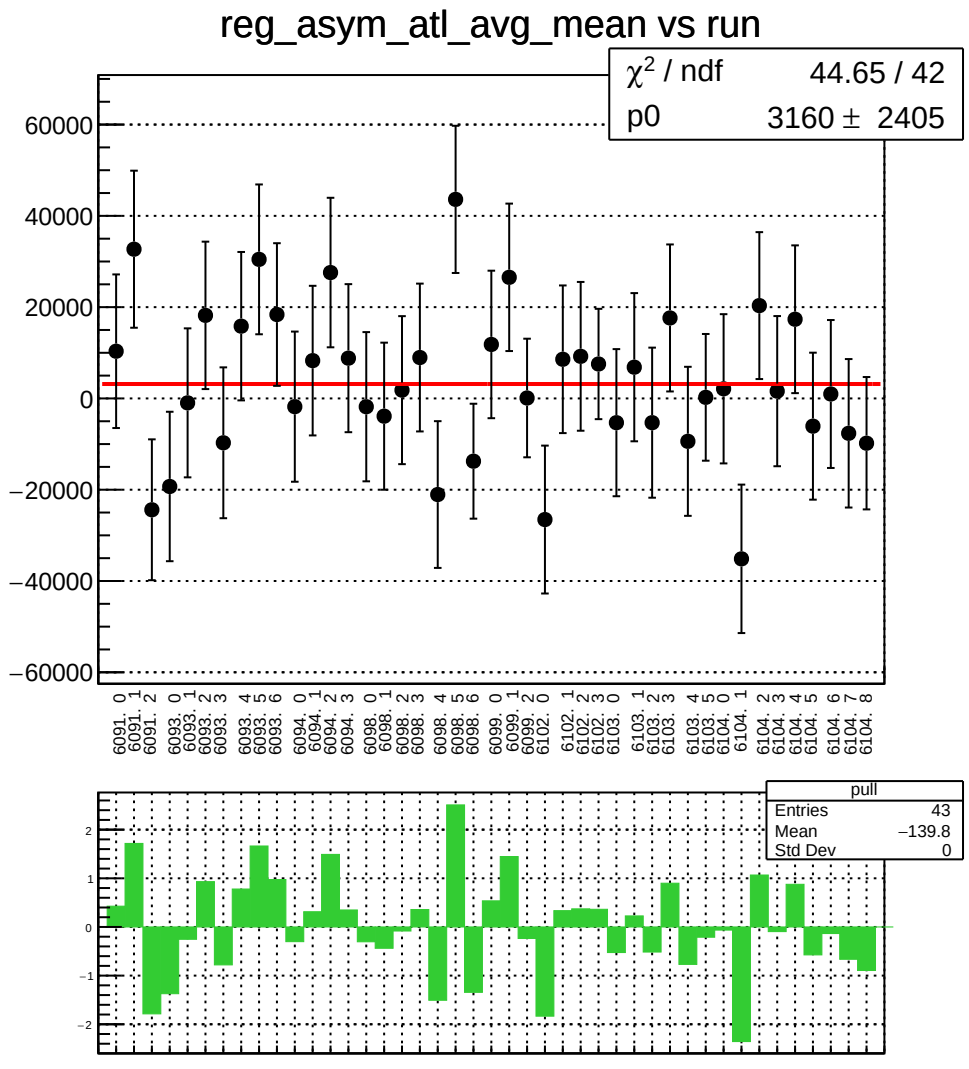


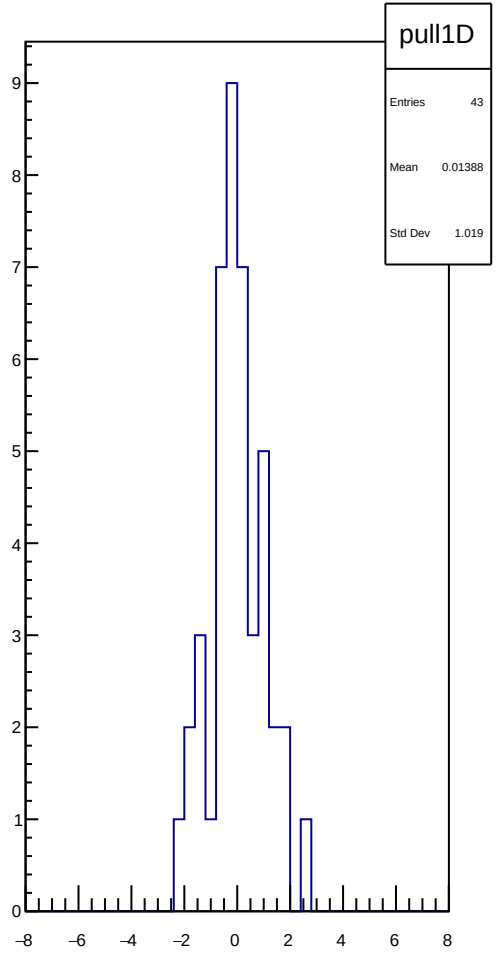

asym_atr2_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 6.447e+04 / 42
p0 389.5 ± 0.4459
700
650
600
550
500
450
400
350
300
250
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

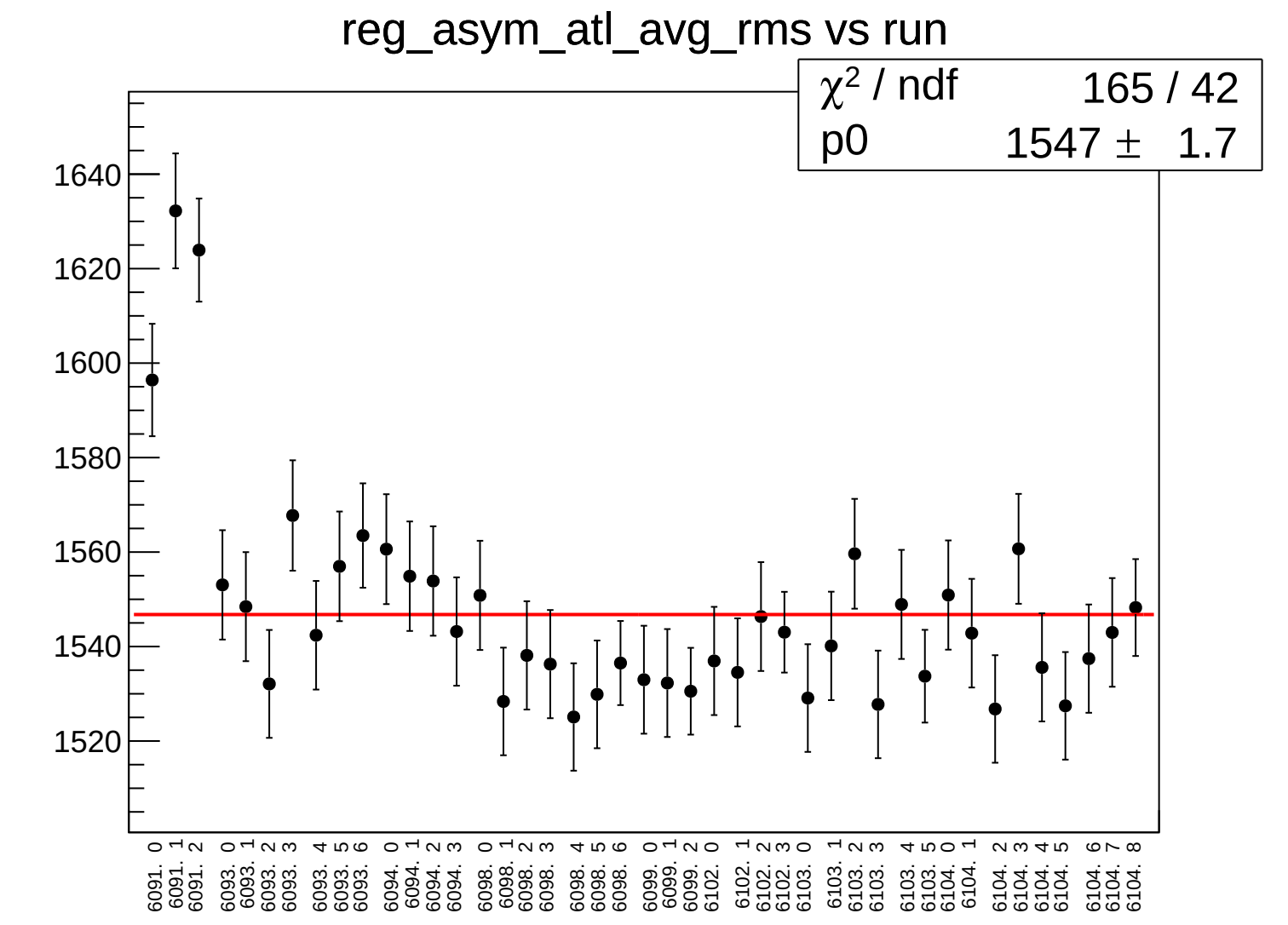

asym_atr2_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 40.95 / 42
p0 2.235e−13 ± 3.55e−13
30
20
10
0
−10
−20
−30
−40
−50
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 20.01
Std Dev 13.45
2
1
0
−1
−2
−3

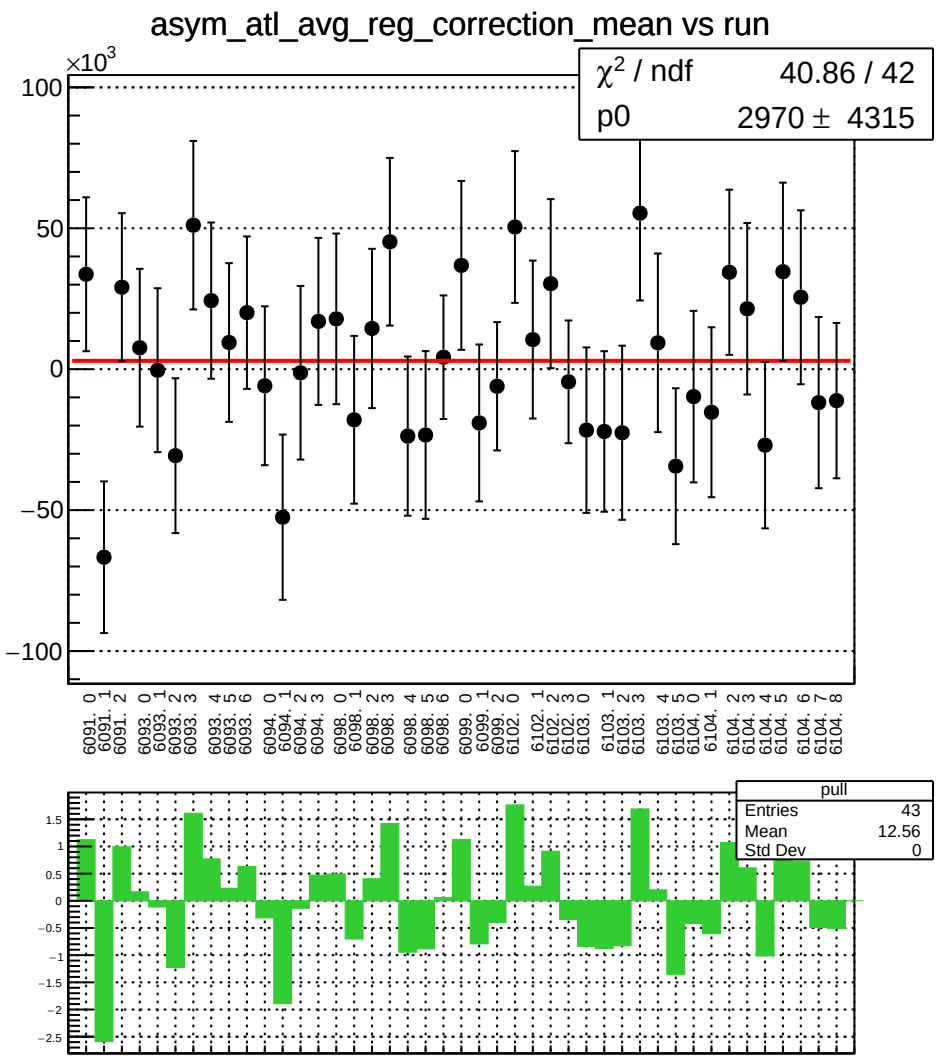

pull1D
Entries 43
Mean −0.1774
Std Dev 0.9596
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

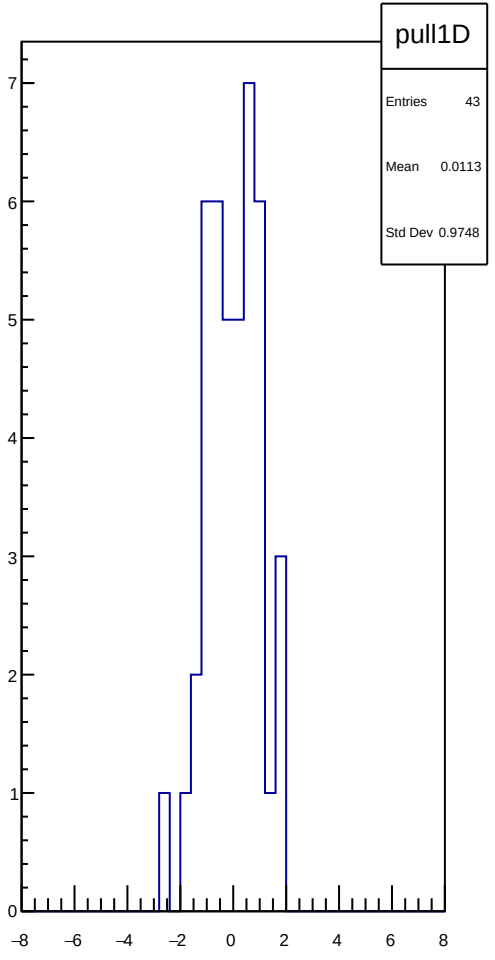

asym_atr2_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 3.651e+05 / 42
p0 1.707e−10 ± 2.511e−13
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

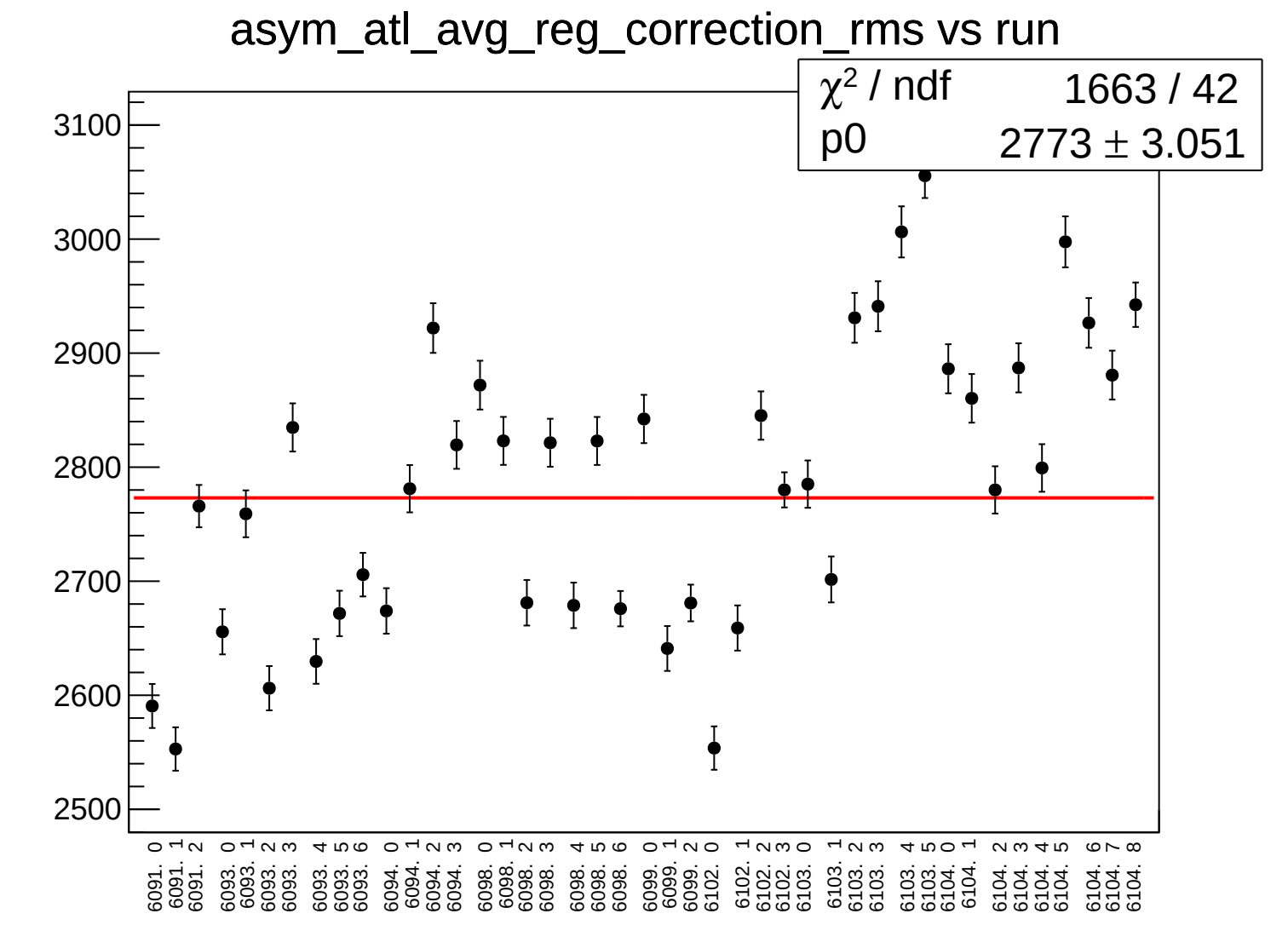

reg_asym_atl_avg_mean vs run
χ² / ndf 44.65 / 42
p0 3160 ± 2405
60000
40000
20000
0
−20000
−40000
−60000
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean −139.8
Std Dev 0
2
1
0
−1
−2

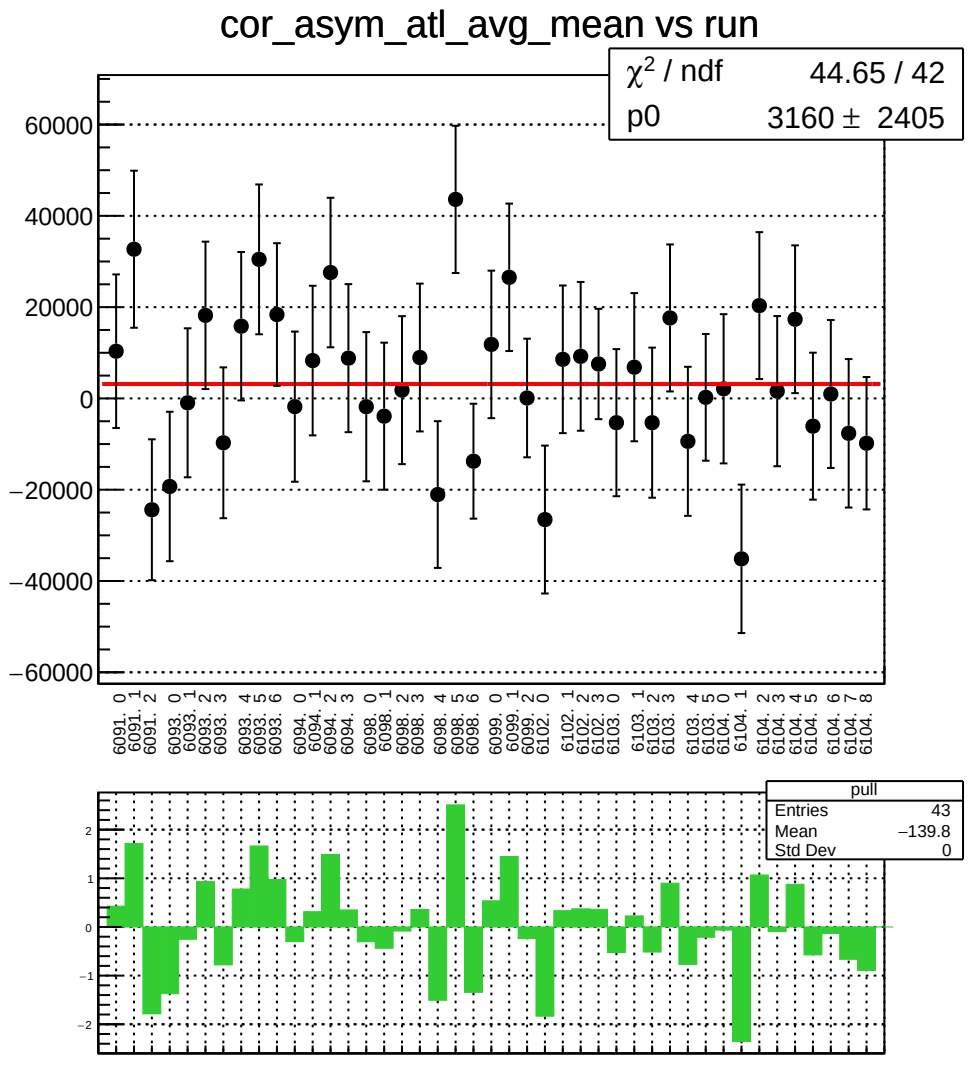

pull1D
Entries 43
Mean 0.01388
Std Dev 1.019
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

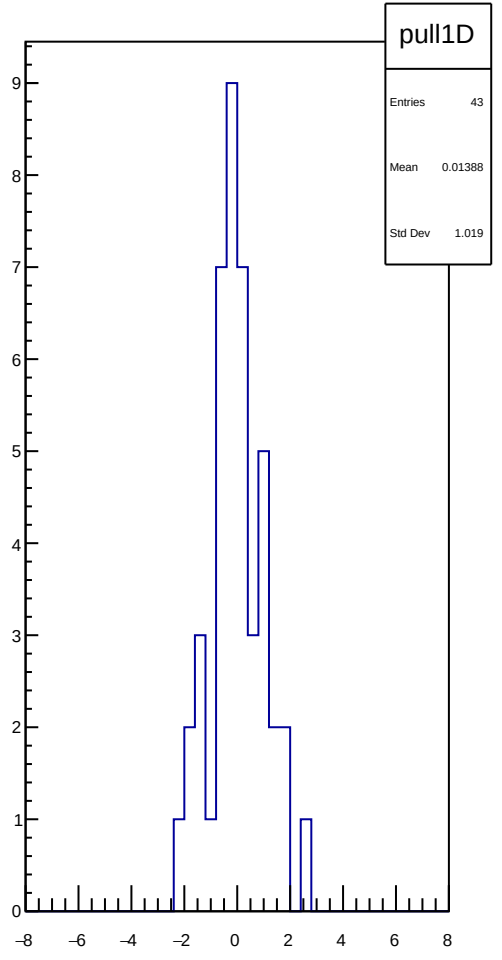

reg_asym_atl_avg_rms vs run
χ² / ndf 165 / 42
p0 1547 ± 1.7
1640
1620
1600
1580
1560
1540
1520
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

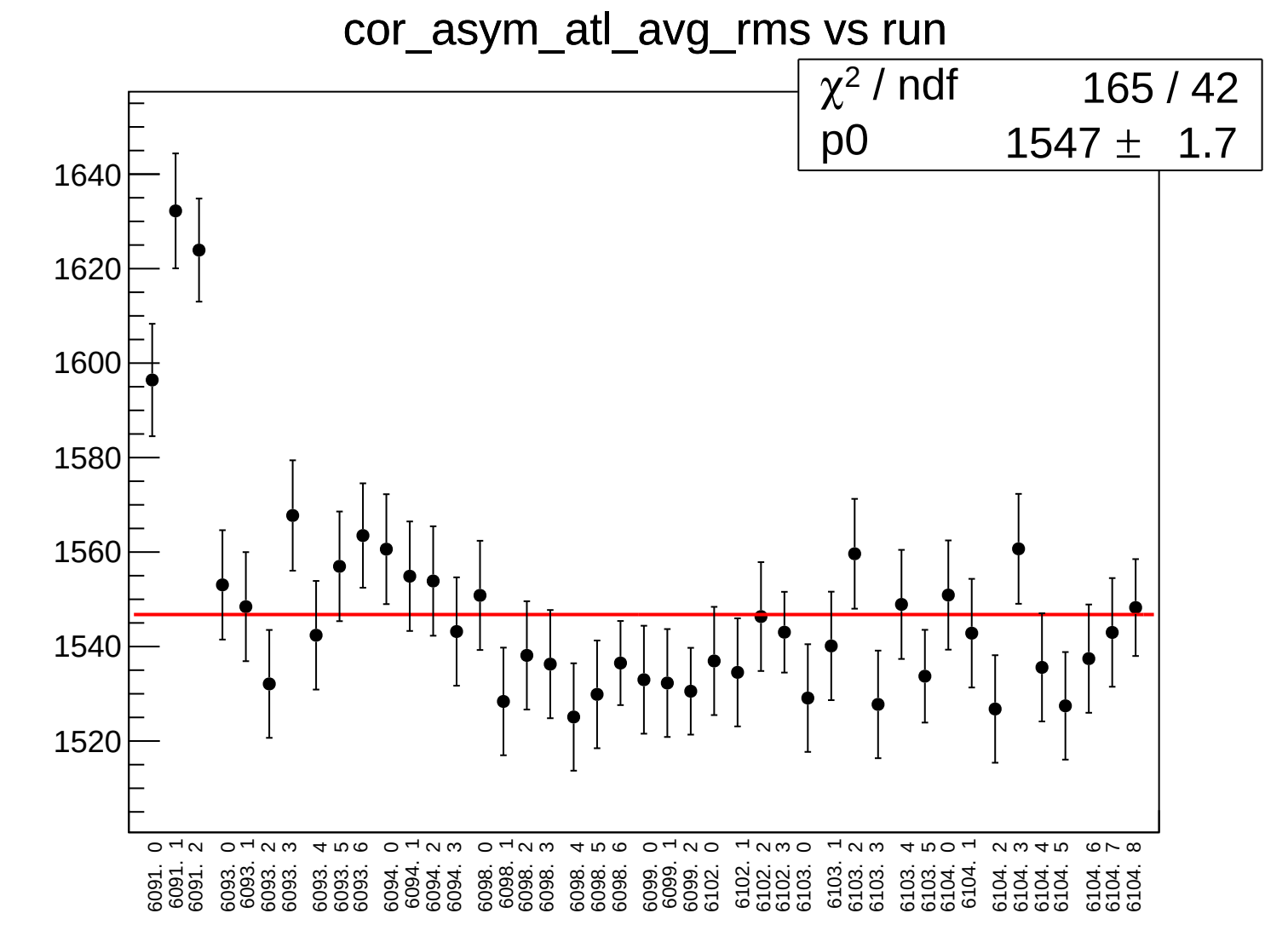

asym_atl_avg_reg_correction_mean vs run
×10^3
χ² / ndf 40.86 / 42
p0 2970 ± 4315
100
50
0
−50
−100
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 12.56
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

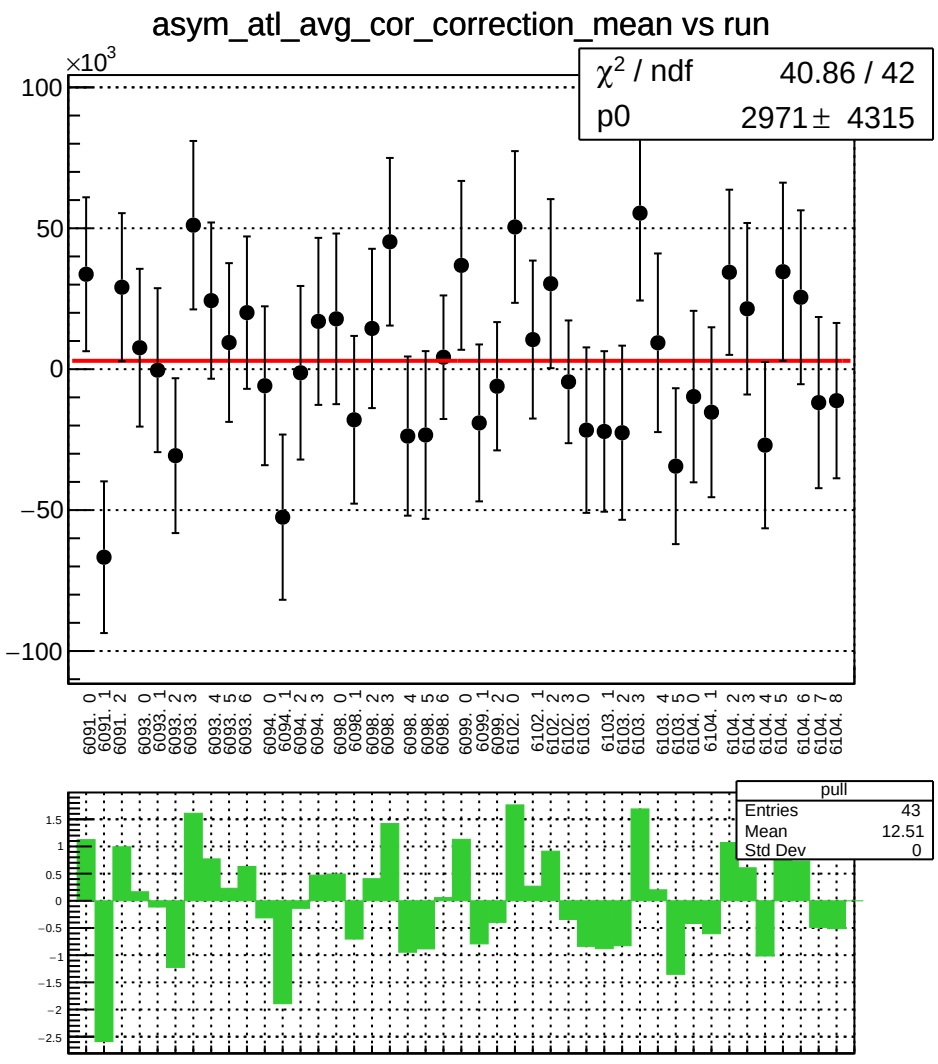

pull1D
Entries 43
Mean 0.0113
Std Dev 0.9748
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

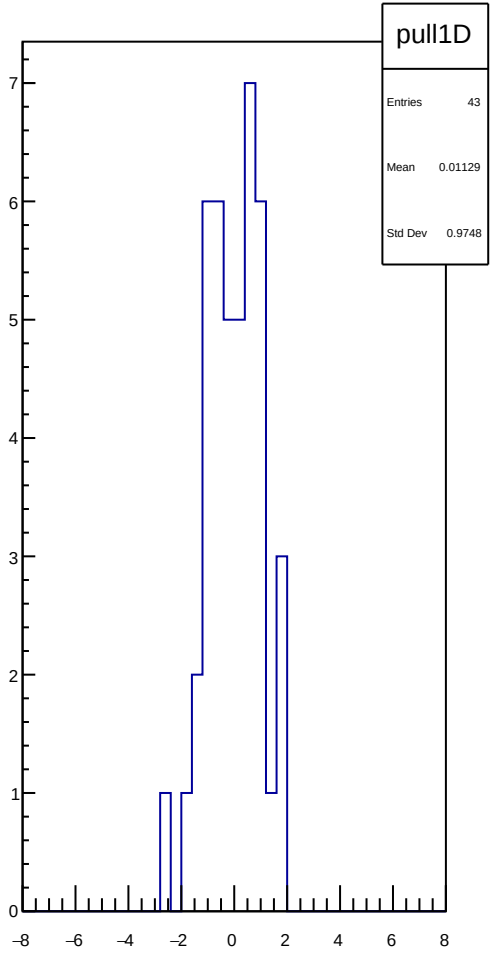

asym_atl_avg_reg_correction_rms vs run
χ² / ndf 1663 / 42
p0 2773 ± 3.051
3100
3000
2900
2800
2700
2600
2500
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

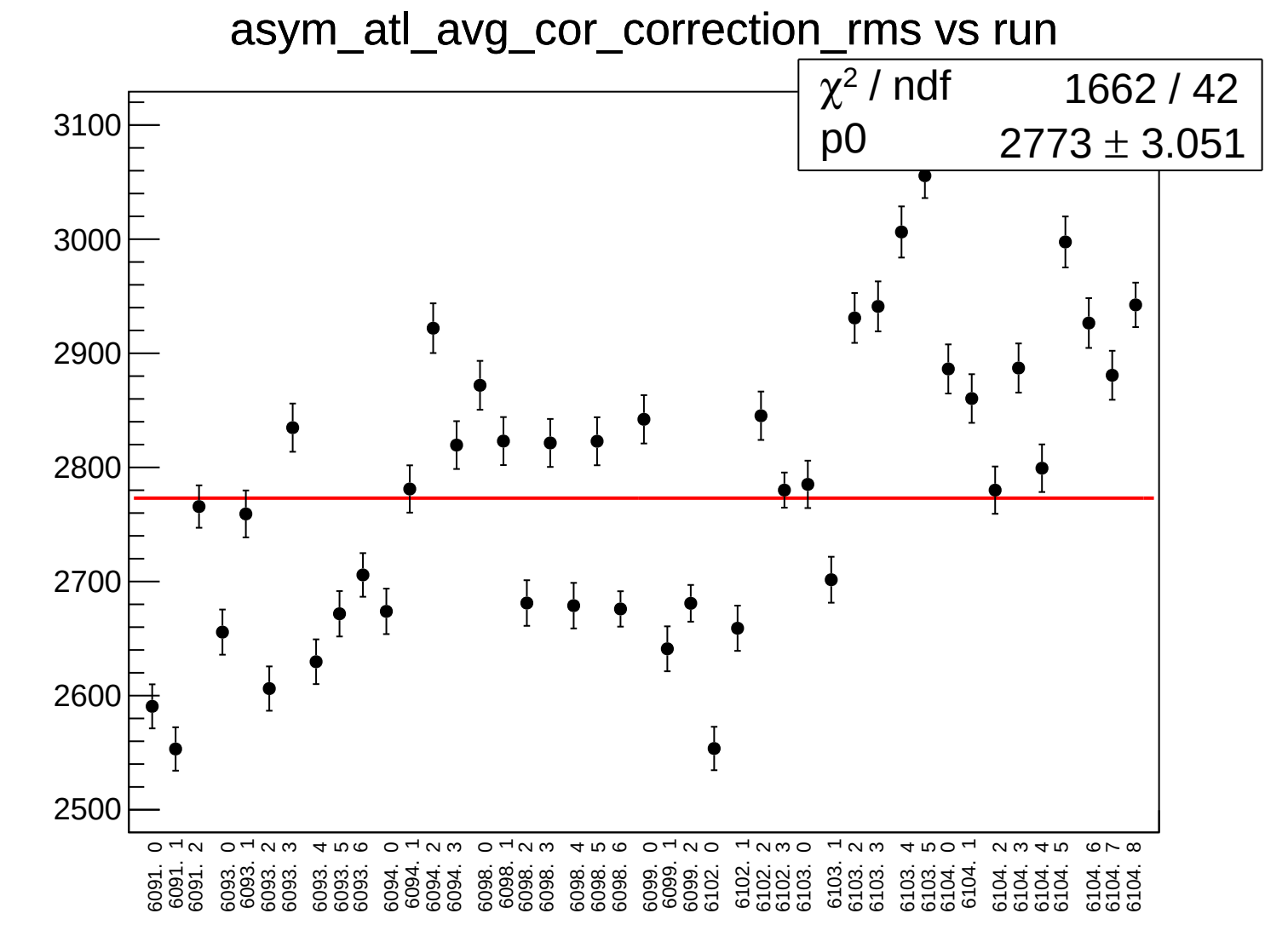

cor_asym_atl_avg_mean vs run
χ² / ndf 44.65 / 42
p0 3160 ± 2405
60000
40000
20000
0
−20000
−40000
−60000
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean −139.8
Std Dev 0
2
1
0
−1
−2

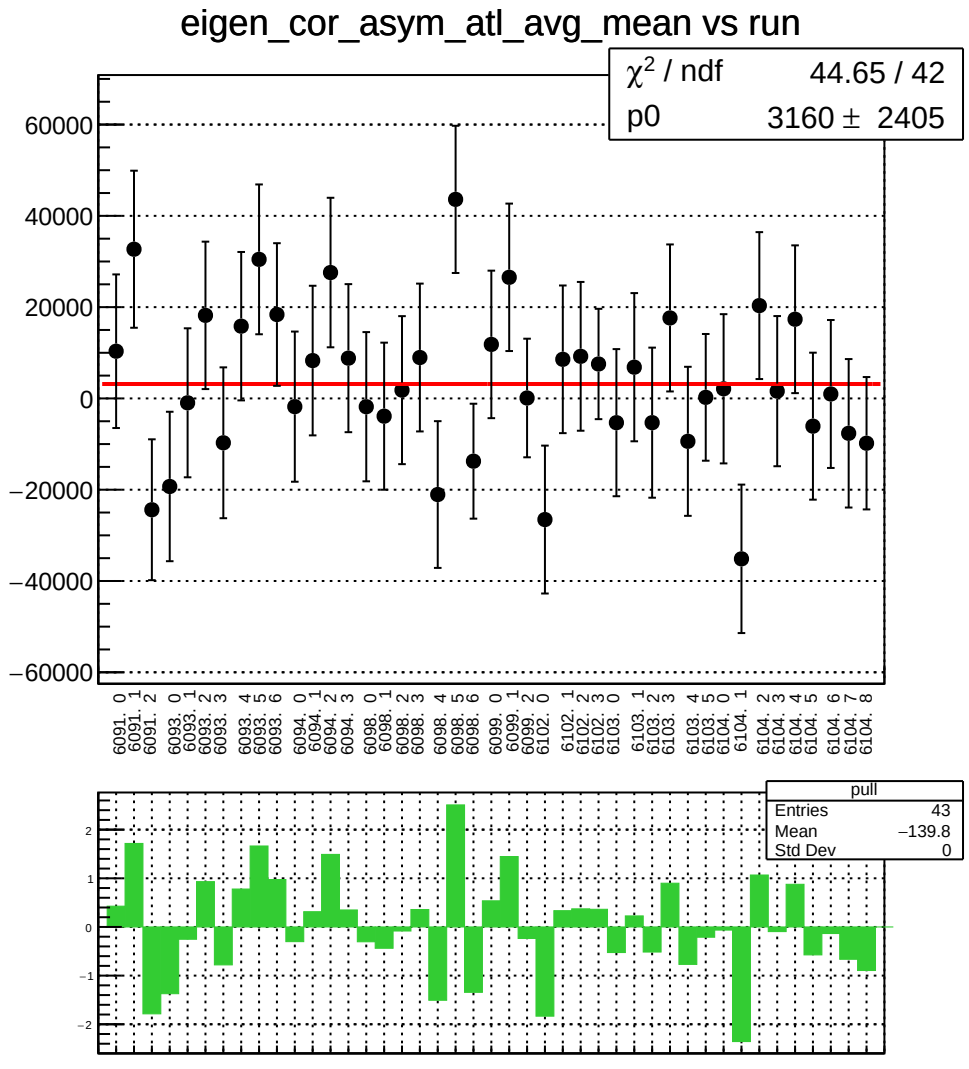

pull1D
Entries 43
Mean 0.01388
Std Dev 1.019
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

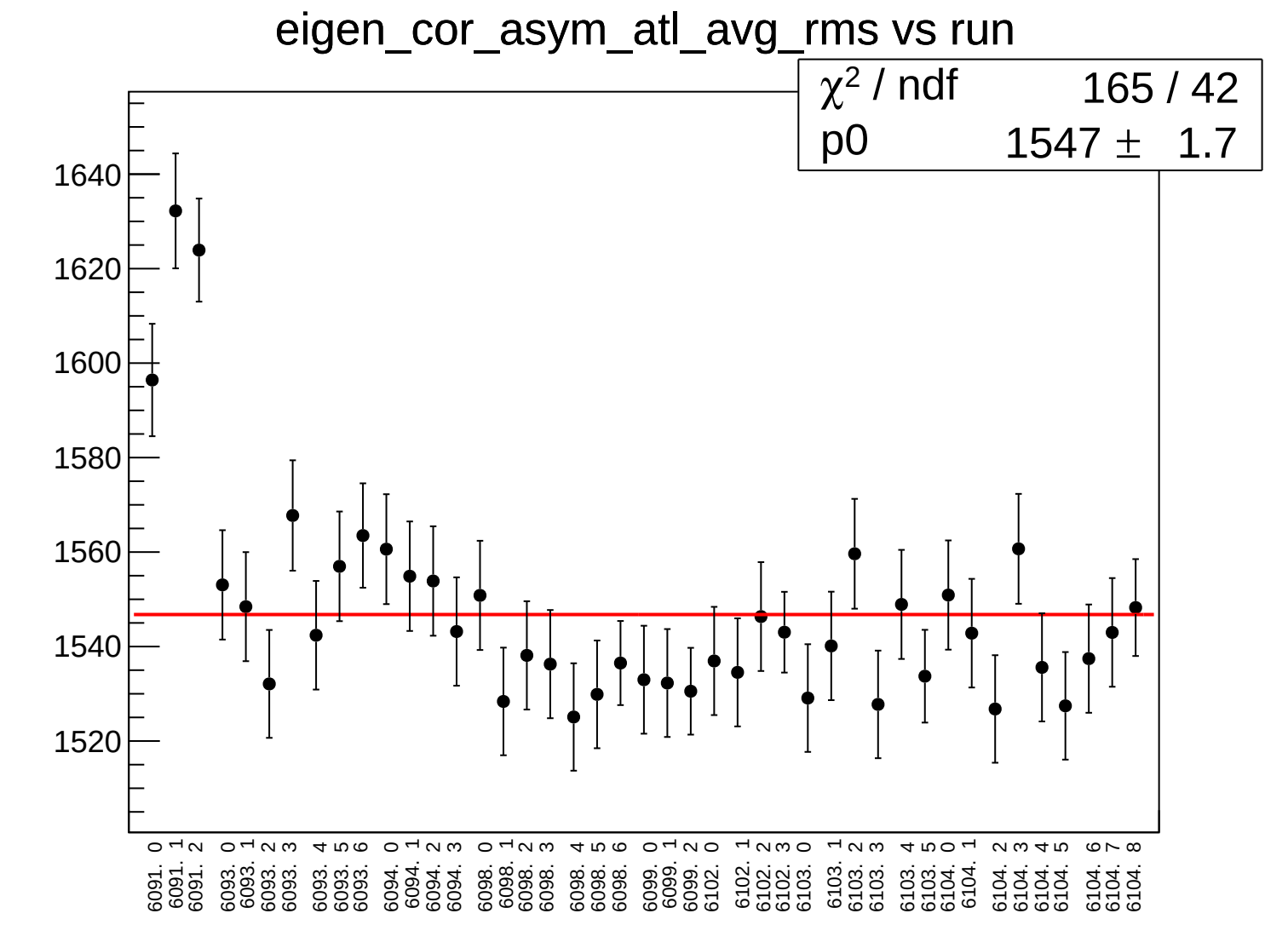

cor_asym_atl_avg_rms vs run
χ² / ndf 165 / 42
p0 1547 ± 1.7
1640
1620
1600
1580
1560
1540
1520
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

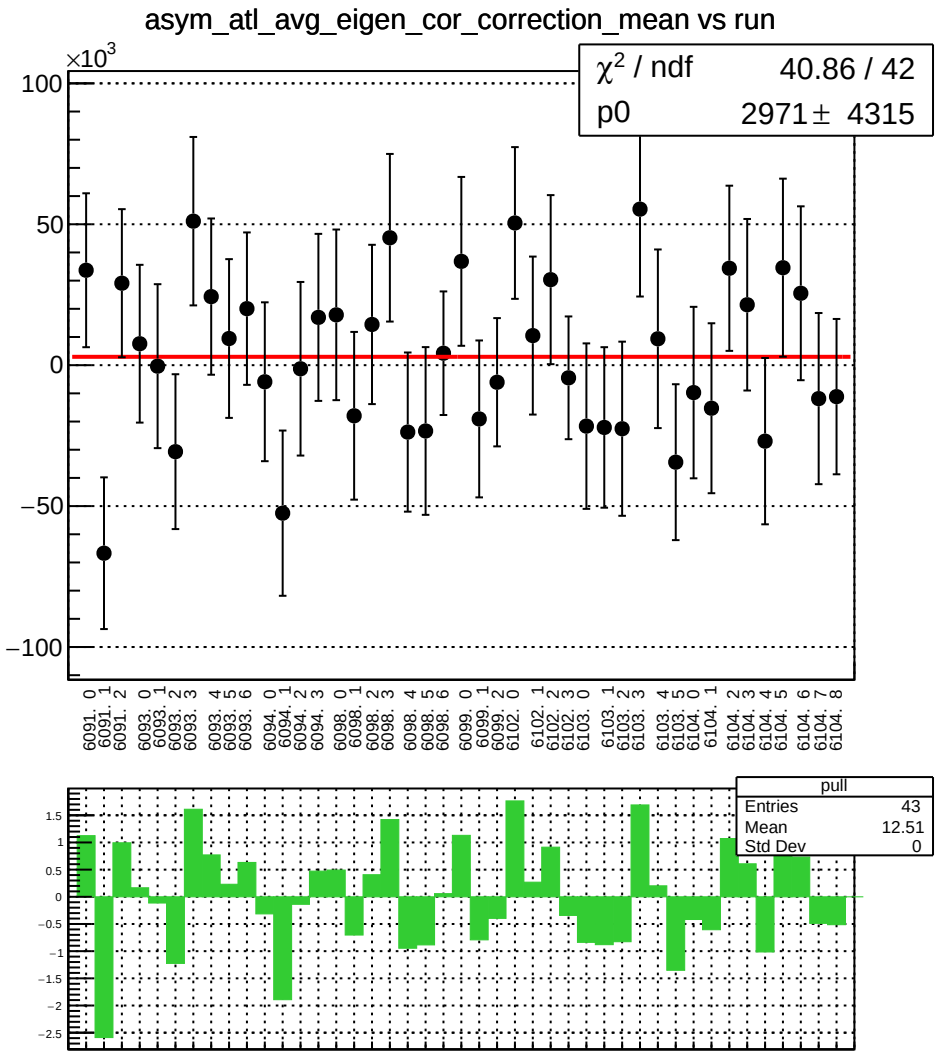

asym_atl_avg_cor_correction_mean vs run
×10^3
χ² / ndf 40.86 / 42
p0 2971 ± 4315
100
50
0
−50
−100
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 12.51
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

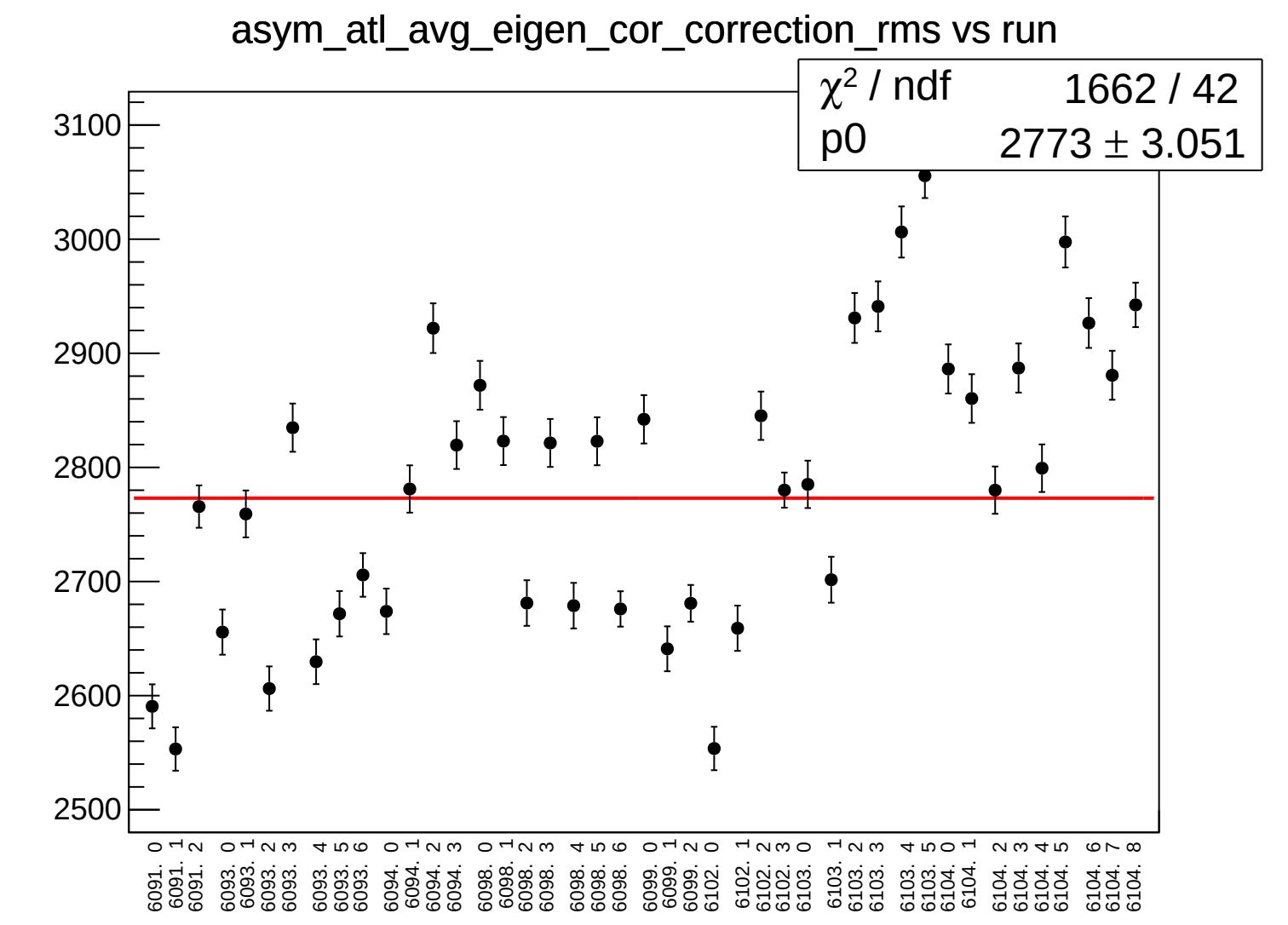

pull1D
Entries 43
Mean 0.01129
Std Dev 0.9748
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

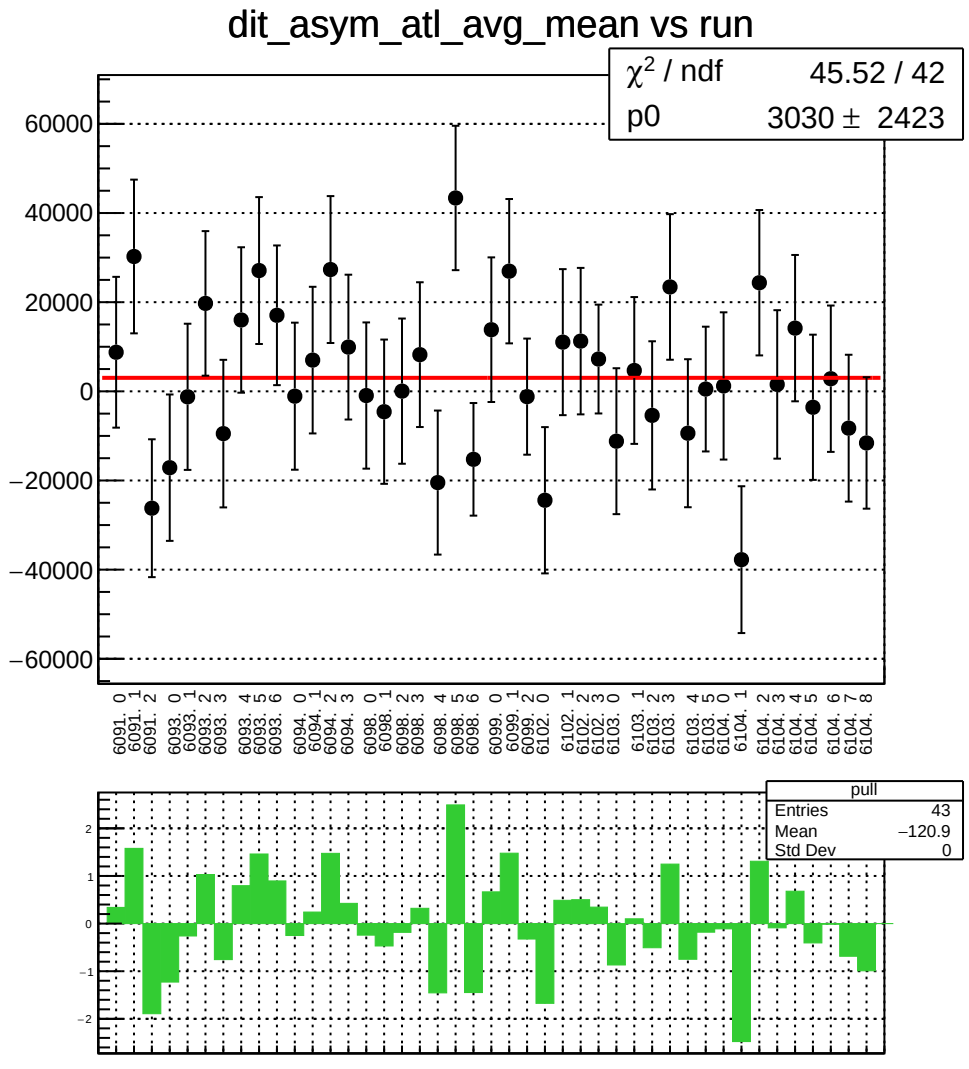

asym_atl_avg_cor_correction_rms vs run
χ² / ndf 1662 / 42
p0 2773 ± 3.051
3100
3000
2900
2800
2700
2600
2500
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

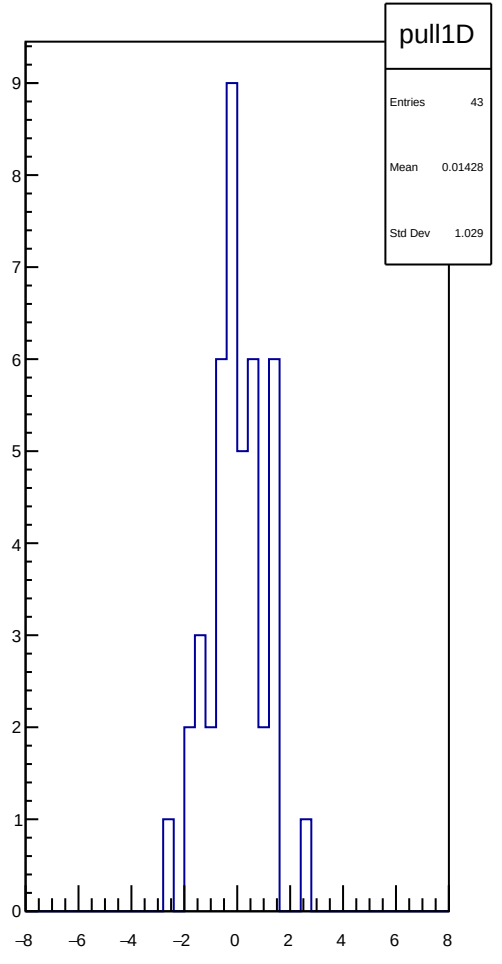

eigen_cor_asym_atl_avg_mean vs run
χ² / ndf 44.65 / 42
p0 3160 ± 2405
60000
40000
20000
0
−20000
−40000
−60000
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean −139.8
Std Dev 0
2
1
0
−1
−2
pull1D
Entries 43
Mean 0.01388
Std Dev 1.019
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

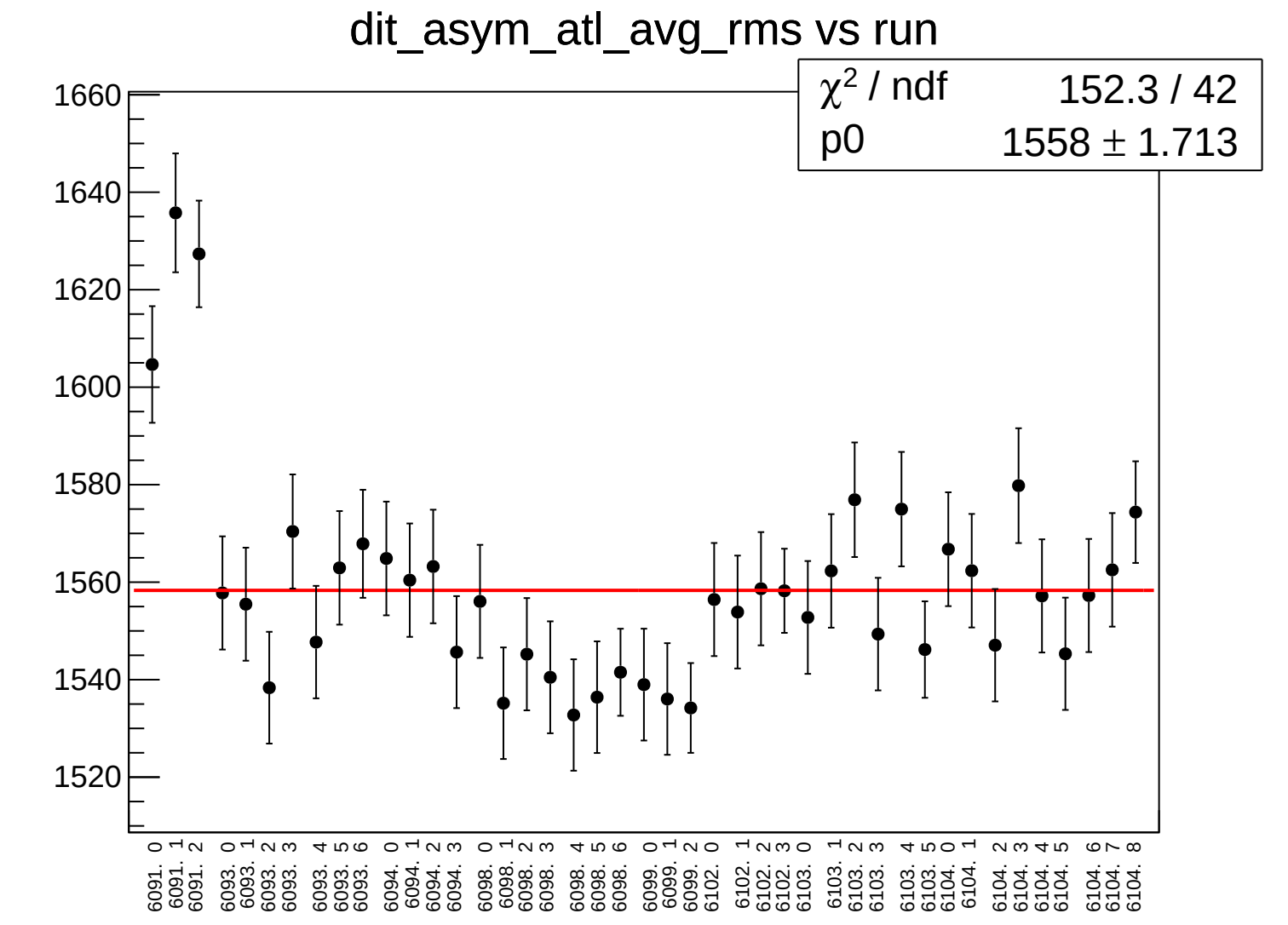

eigen_cor_asym_atl_avg_rms vs run
χ² / ndf 165 / 42
p0 1547 ± 1.7
1640
1620
1600
1580
1560
1540
1520
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

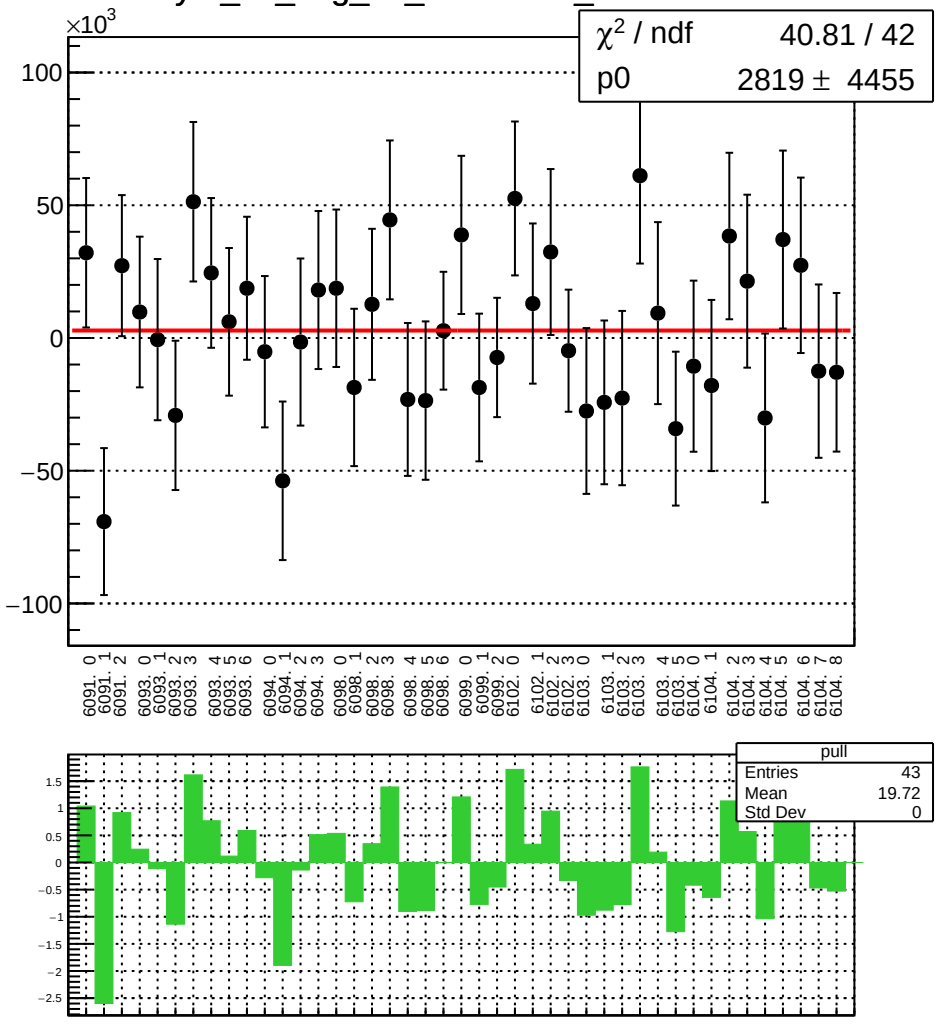

asym_atl_avg_eigen_cor_correction_mean vs run
×10^3
χ² / ndf 40.86 / 42
p0 2971 ± 4315
100
50
0
−50
−100
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 12.51
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5
pull1D
Entries 43
Mean 0.01129
Std Dev 0.9748
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

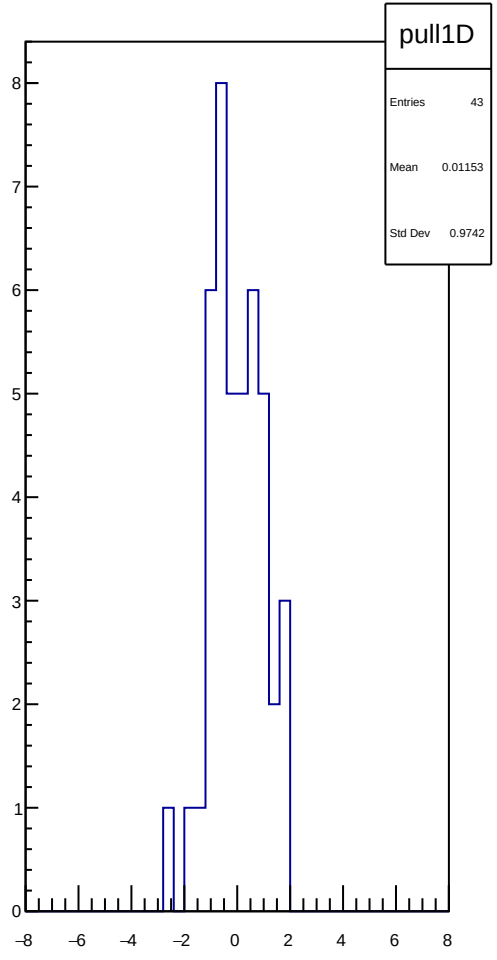

asym_atl_avg_eigen_cor_correction_rms vs run
χ² / ndf 1662 / 42
p0 2773 ± 3.051
3100
3000
2900
2800
2700
2600
2500
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

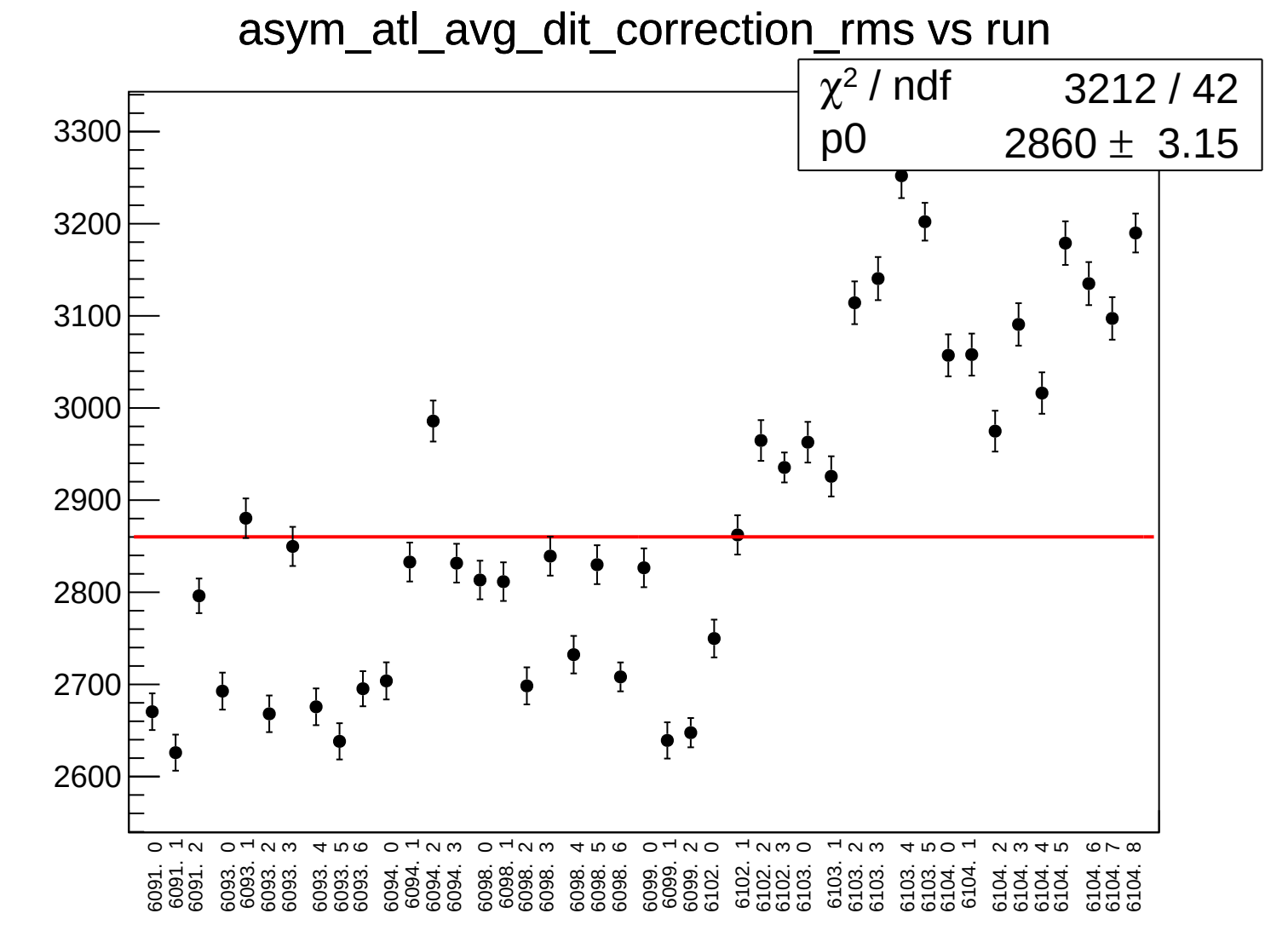

dit_asym_atl_avg_mean vs run
χ² / ndf 45.52 / 42
p0 3030 ± 2423
60000
40000
20000
0
−20000
−40000
−60000
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean −120.9
Std Dev 0
2
1
0
−1
−2

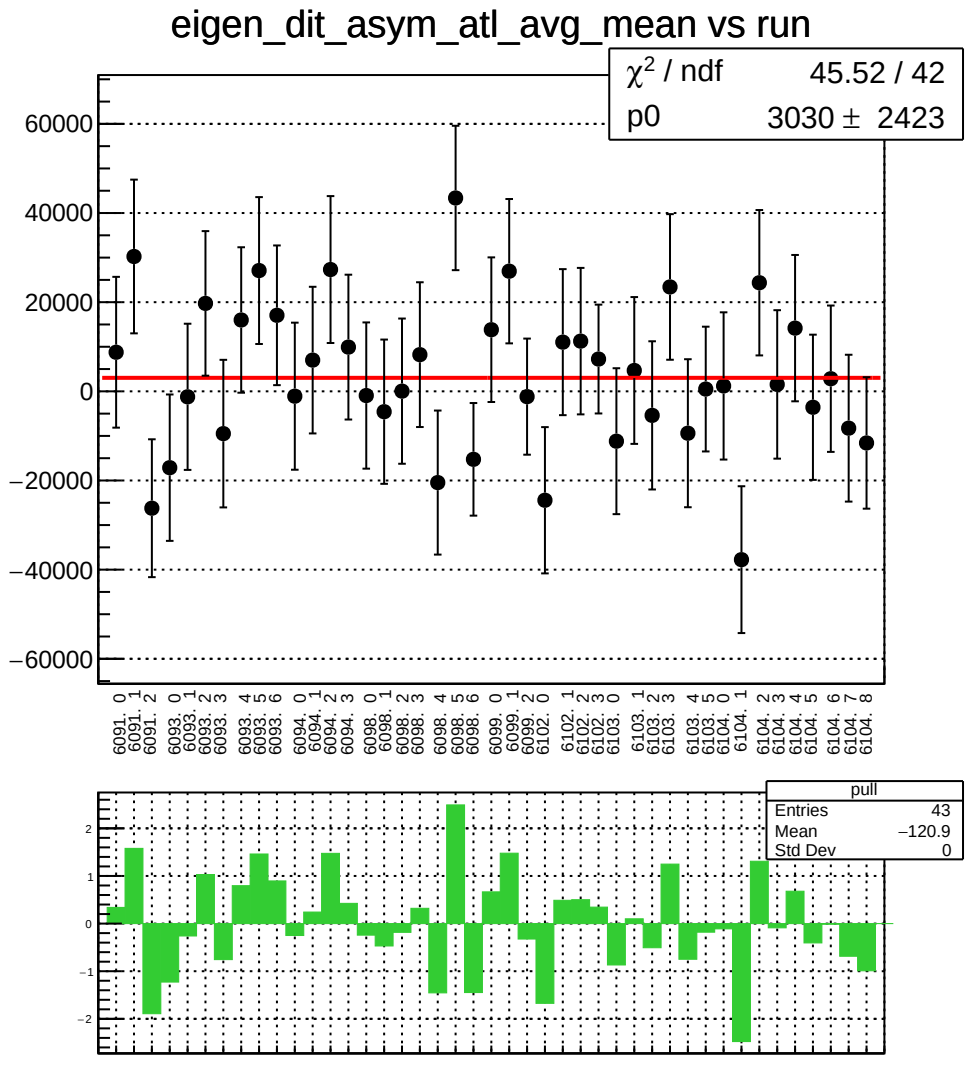

pull1D
Entries 43
Mean 0.01428
Std Dev 1.029
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

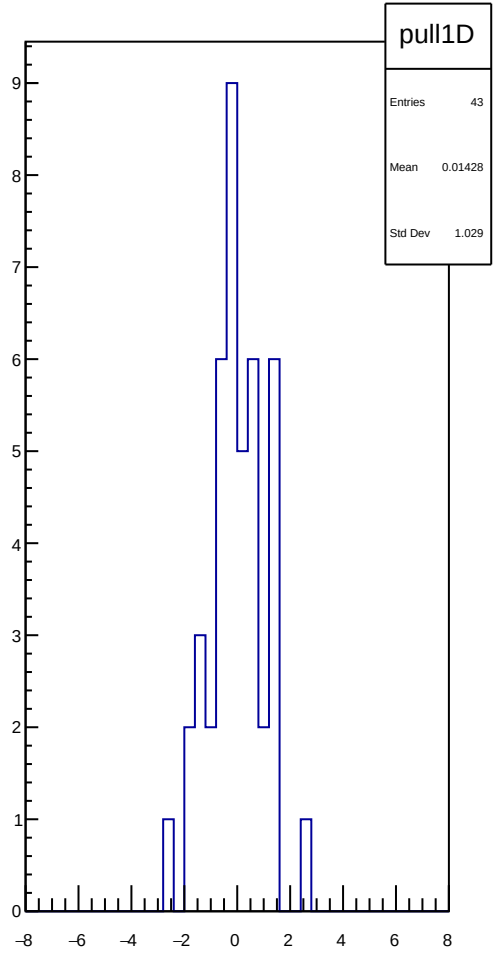

dit_asym_atl_avg_rms vs run
χ² / ndf 152.3 / 42
p0 1558 ± 1.713
1660
1640
1620
1600
1580
1560
1540
1520
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

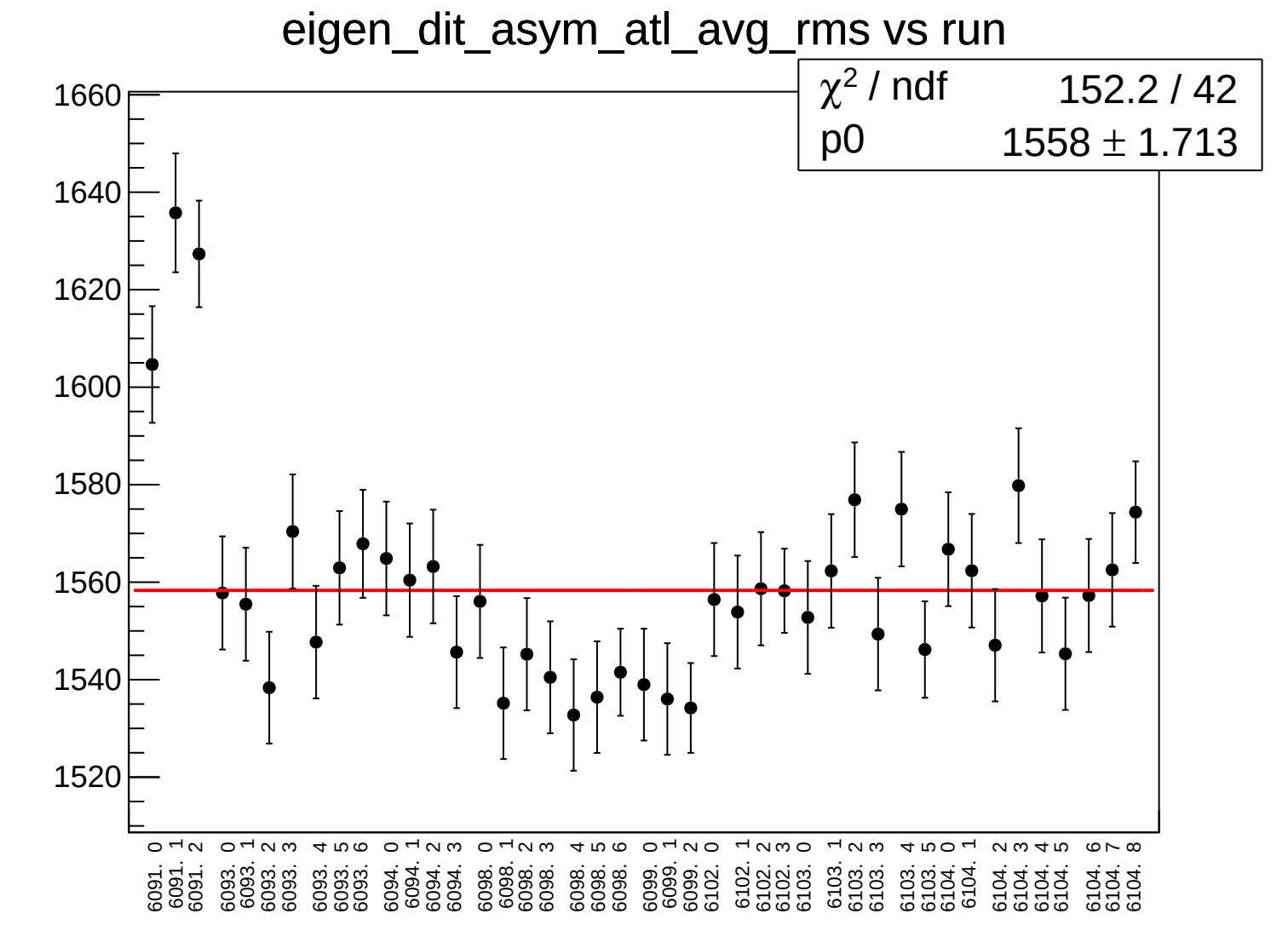

asym_atl_avg_dit_correction_mean vs run
×10^3
χ² / ndf 40.81 / 42
p0 2819 ± 4455
100
50
0
−50
−100
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 19.72
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

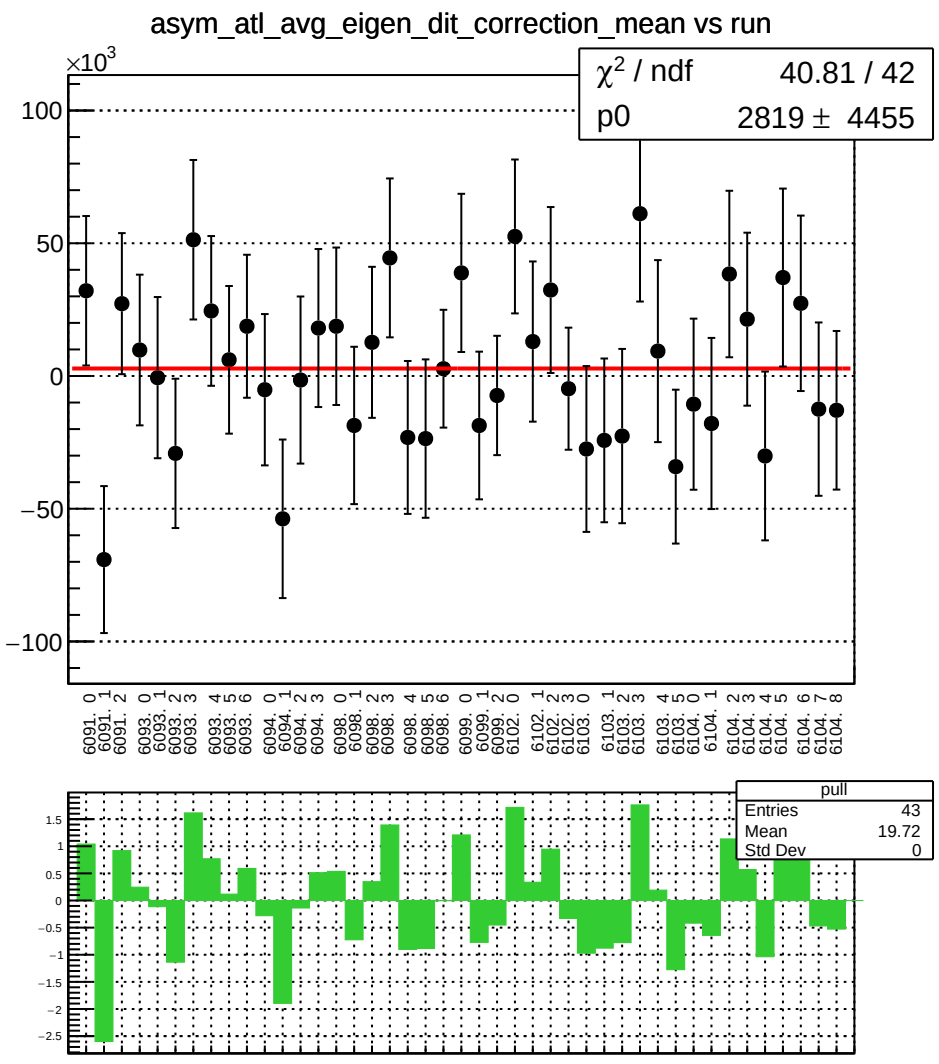

pull1D
Entries 43
Mean 0.01153
Std Dev 0.9742
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

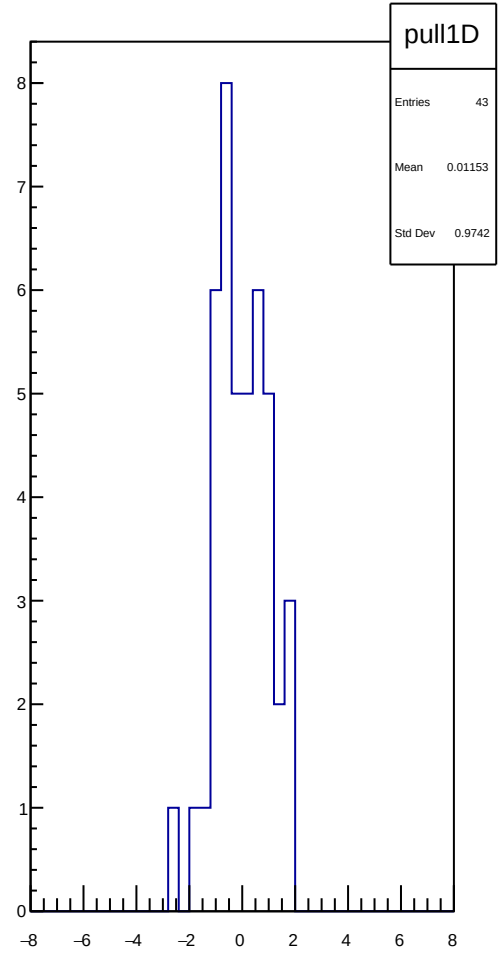

asym_atl_avg_dit_correction_rms vs run
χ² / ndf 3212 / 42
p0 2860 ± 3.15
3300
3200
3100
3000
2900
2800
2700
2600
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

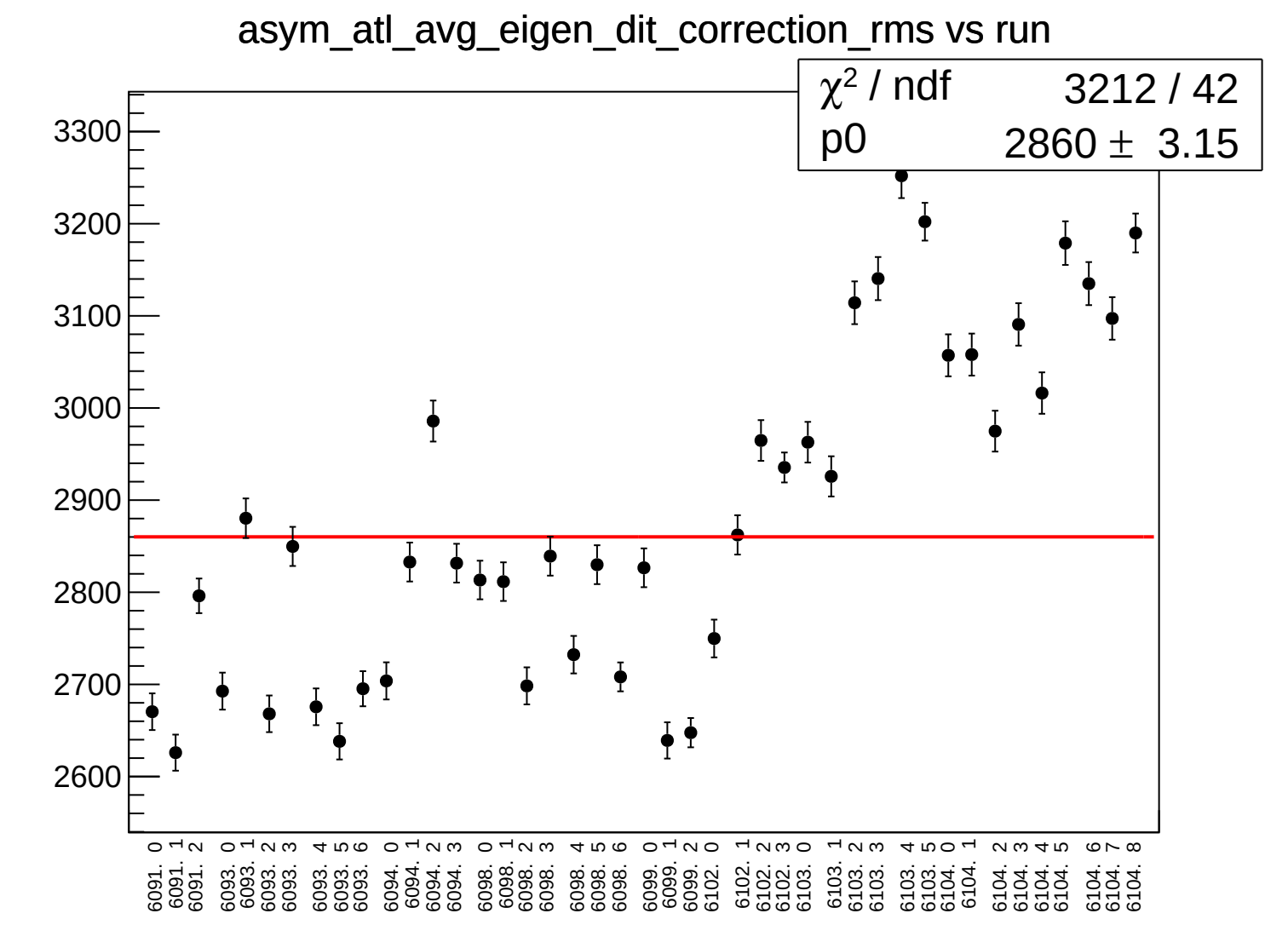

eigen_dit_asym_atl_avg_mean vs run
χ² / ndf 45.52 / 42
p0 3030 ± 2423
60000
40000
20000
0
−20000
−40000
−60000
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean −120.9
Std Dev 0
2
1
0
−1
−2

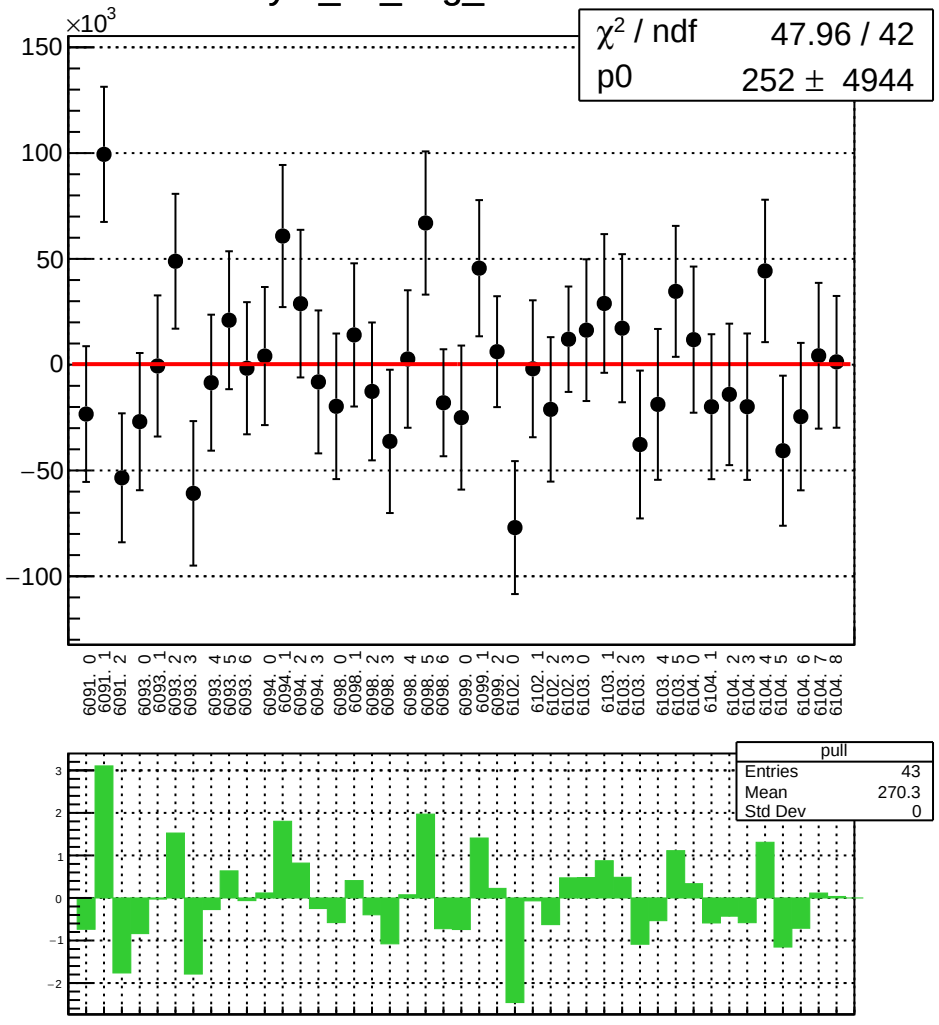

pull1D
Entries 43
Mean 0.01428
Std Dev 1.029
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

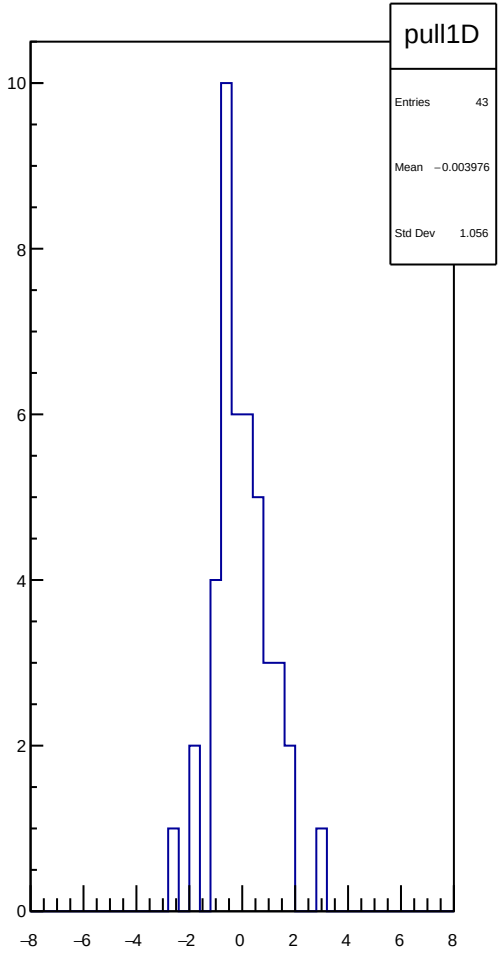

eigen_dit_asym_atl_avg_rms vs run
χ² / ndf 152.2 / 42
p0 1558 ± 1.713
1660
1640
1620
1600
1580
1560
1540
1520
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

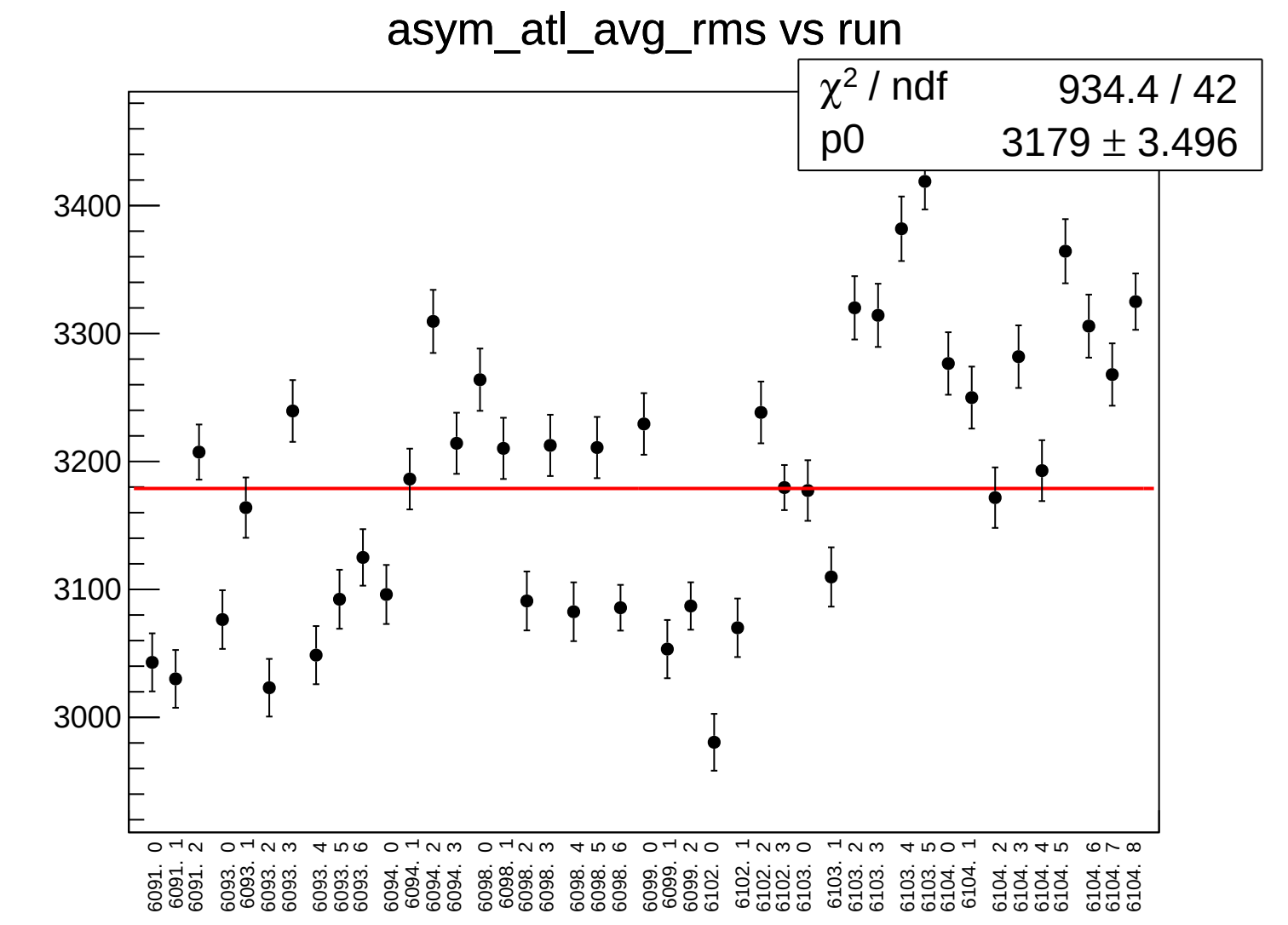

asym_atl_avg_eigen_dit_correction_mean vs run
×10^3
χ² / ndf 40.81 / 42
p0 2819 ± 4455
100
50
0
−50
−100
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 19.72
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

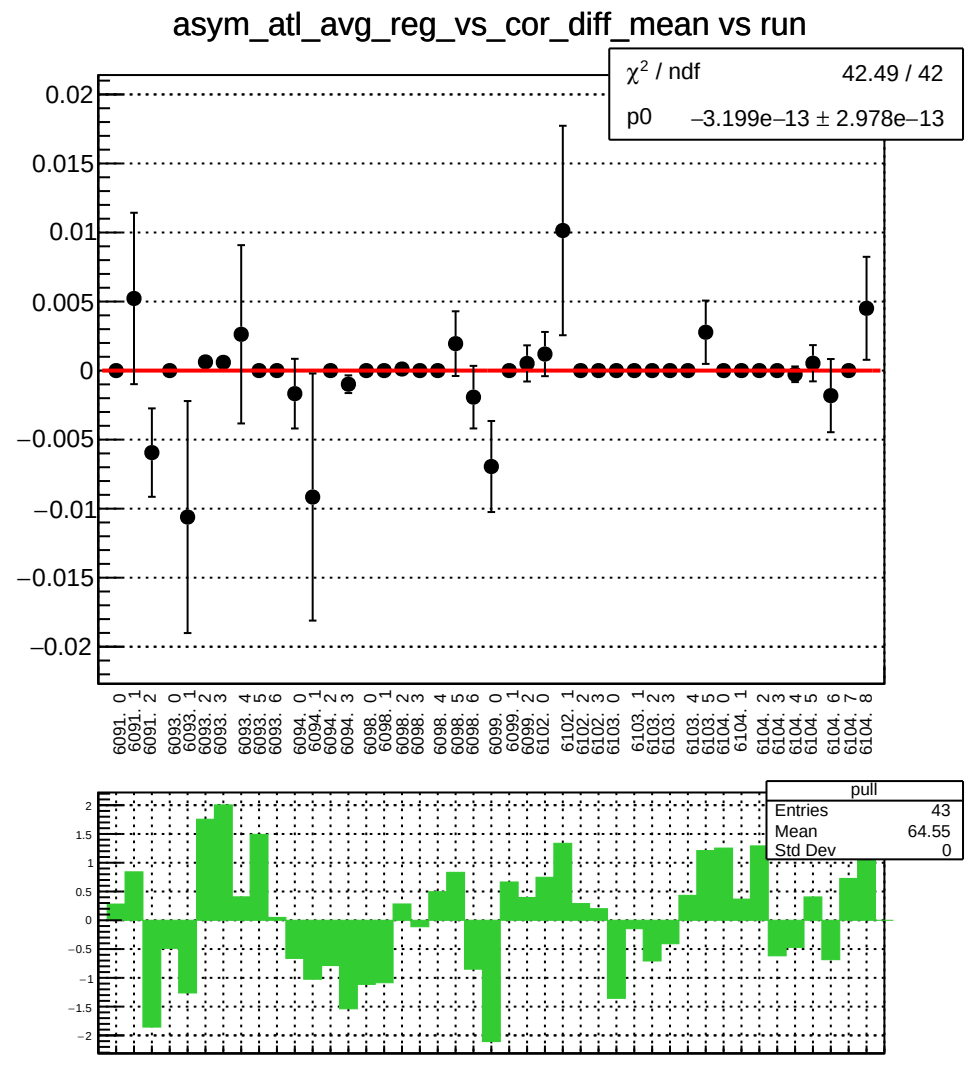

pull1D
Entries 43
Mean 0.01153
Std Dev 0.9742
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

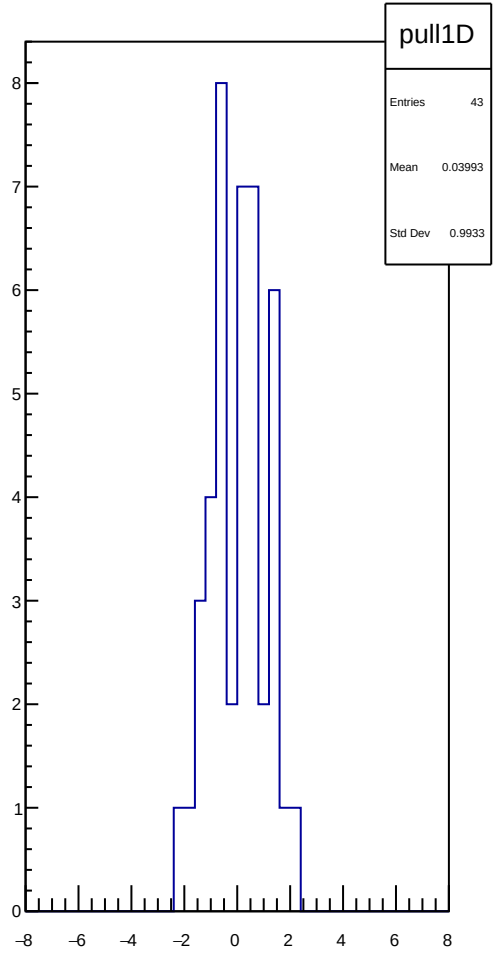

asym_atl_avg_eigen_dit_correction_rms vs run
χ² / ndf 3212 / 42
p0 2860 ± 3.15
3300
3200
3100
3000
2900
2800
2700
2600
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

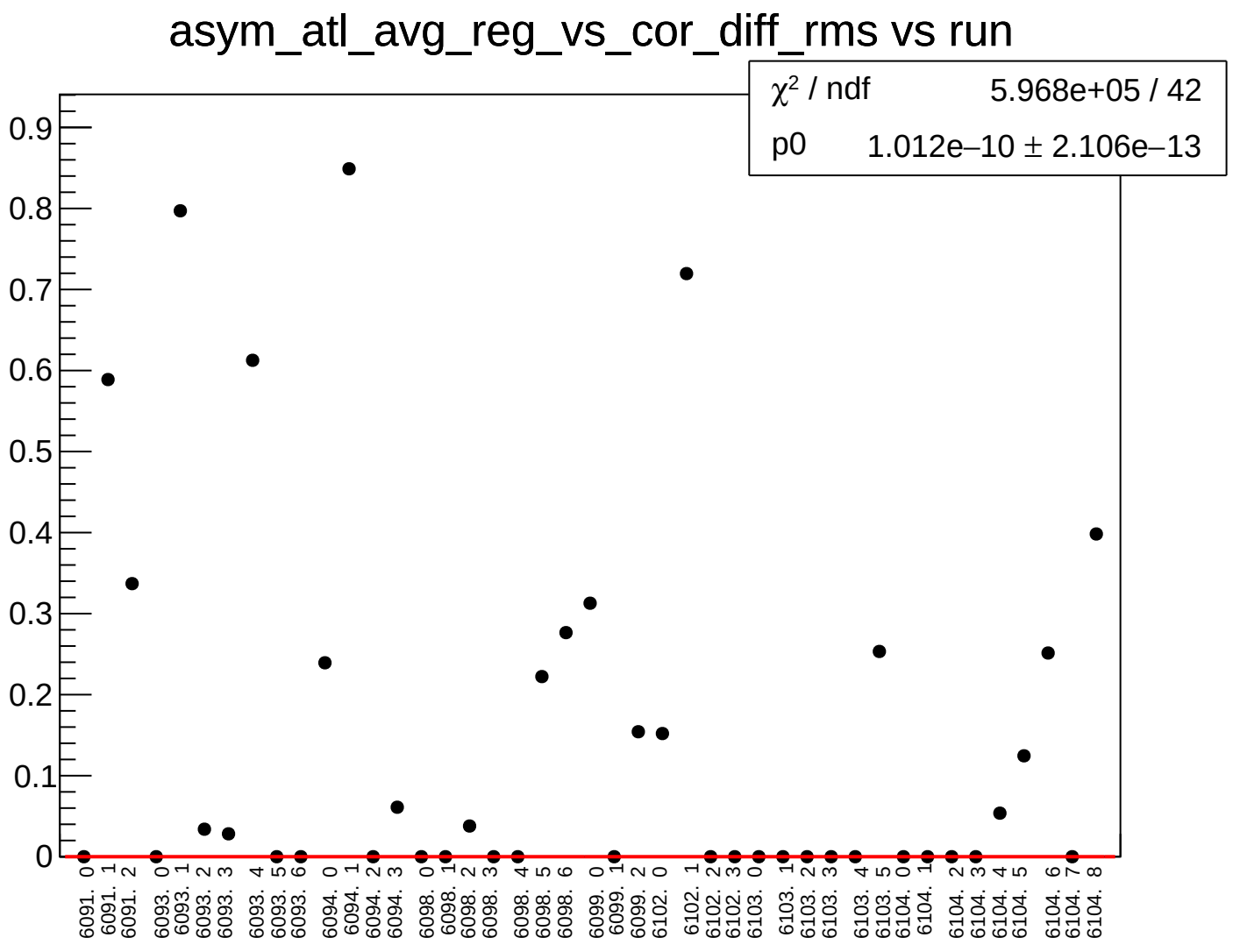

asym_atl_avg_mean vs run
×10^3
χ² / ndf 47.96 / 42
p0 252 ± 4944
150
100
50
0
−50
−100
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 270.3
Std Dev 0
3
2
1
0
−1
−2

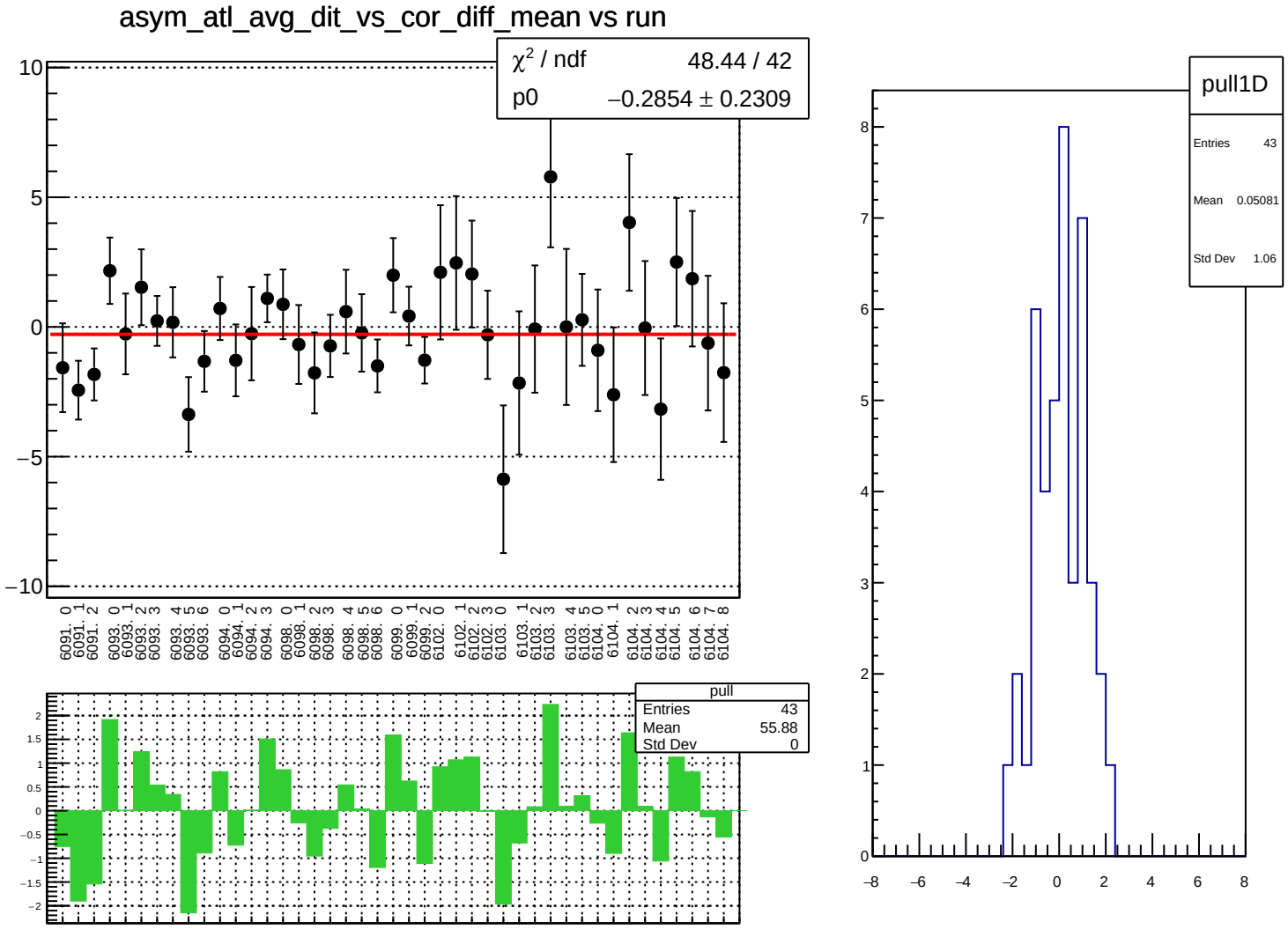

pull1D
Entries 43
Mean −0.003976
Std Dev 1.056
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

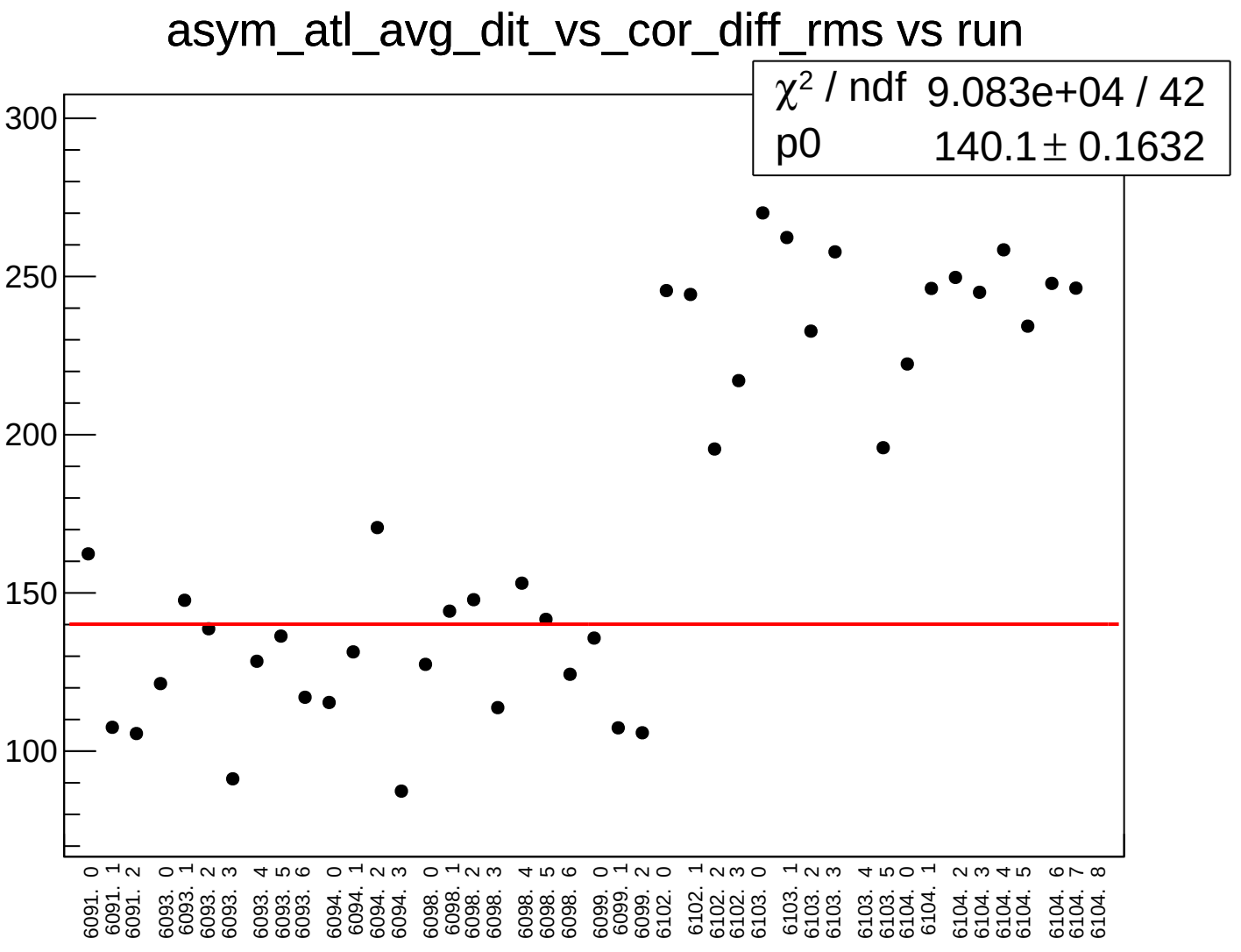

asym_atl_avg_rms vs run
χ^2 / ndf 934.4 / 42
p0 3179 ± 3.496
3400
3300
3200
3100
3000
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

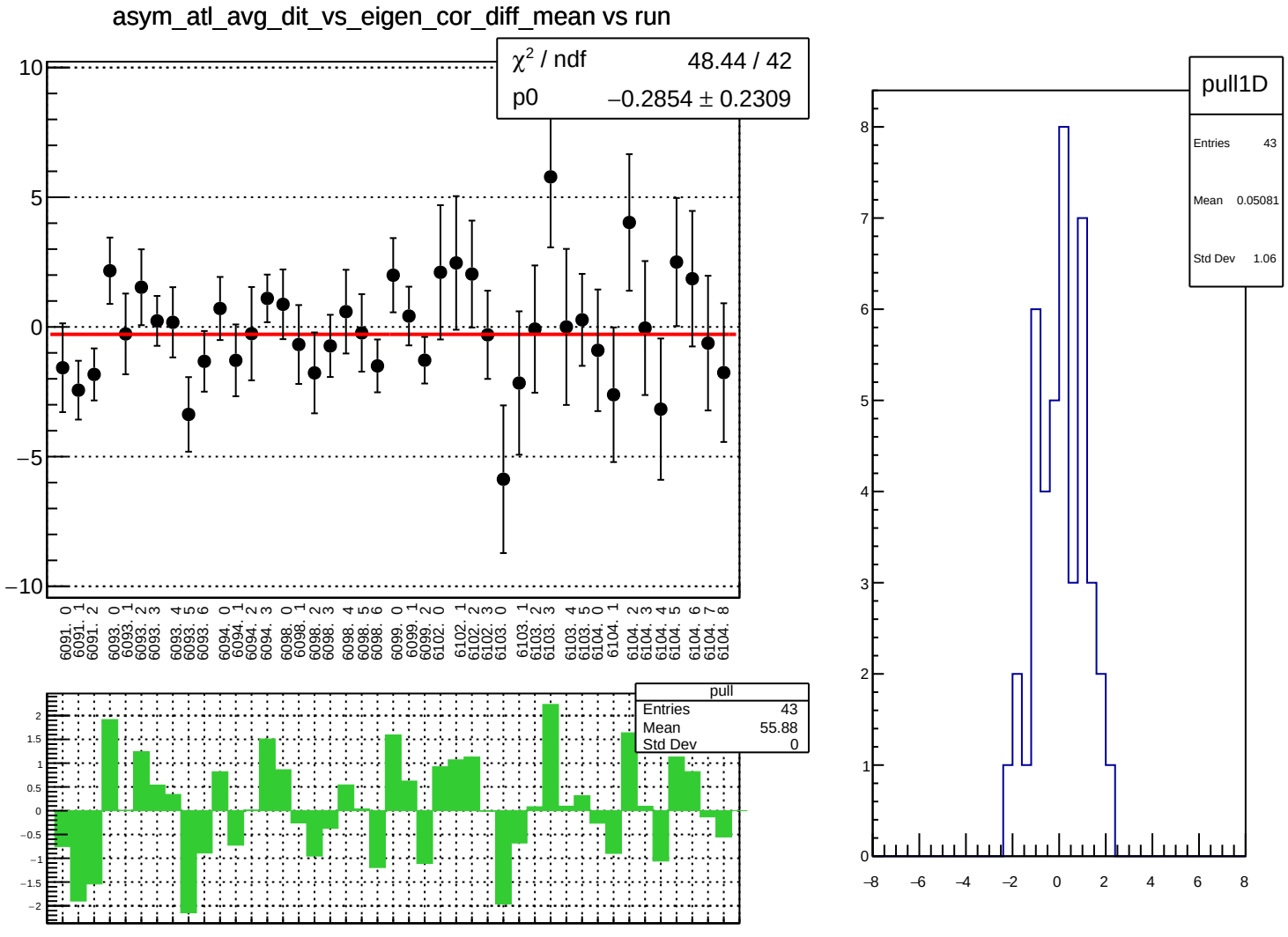

asym_atl_avg_reg_vs_cor_diff_mean vs run
χ² / ndf 42.49 / 42
p0 −3.199e−13 ± 2.978e−13
pull
Entries 43
Mean 64.55
Std Dev 0

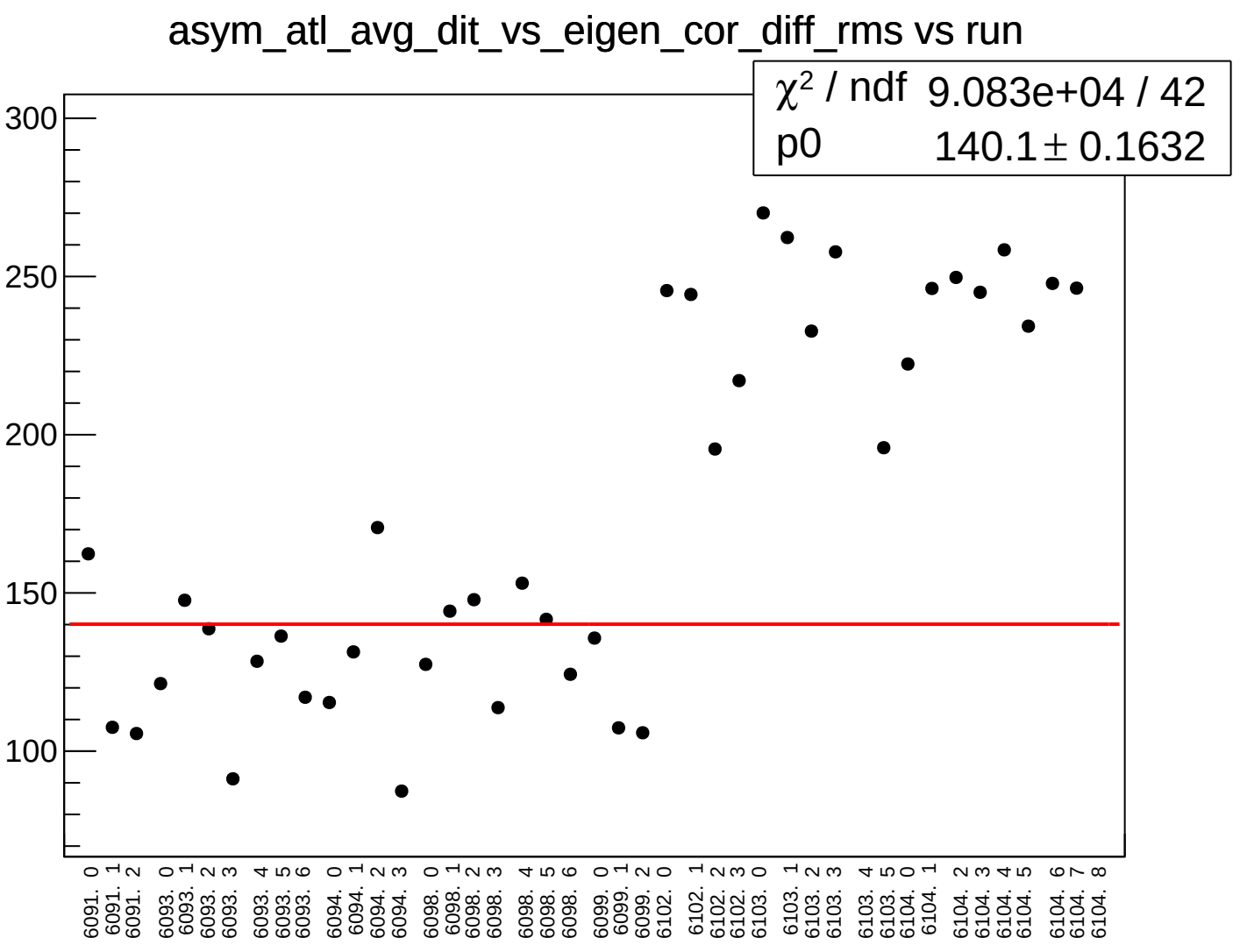

pull1D
Entries 43
Mean 0.03993
Std Dev 0.9933


asym_atl_avg_reg_vs_cor_diff_rms vs run
χ² / ndf 5.968e+05 / 42
p0 1.012e−10 ± 2.106e−13
0.9
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8


asym_atl_avg_dit_vs_cor_diff_mean vs run
χ² / ndf 48.44 / 42
p0 −0.2854 ± 0.2309
pull
Entries 43
Mean 55.88
Std Dev 0
pull1D
Entries 43
Mean 0.05081
Std Dev 1.06


asym_atl_avg_dit_vs_cor_diff_rms vs run
χ² / ndf 9.083e+04 / 42
p0 140.1 ± 0.1632
300
250
200
150
100
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8


asym_atl_avg_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 48.44 / 42
p0 −0.2854 ± 0.2309
10
5
0
−5
−10
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 55.88
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 43
Mean 0.05081
Std Dev 1.06
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


asym_atl_avg_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 9.083e+04 / 42
p0 140.1 ± 0.1632
300
250
200
150
100
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
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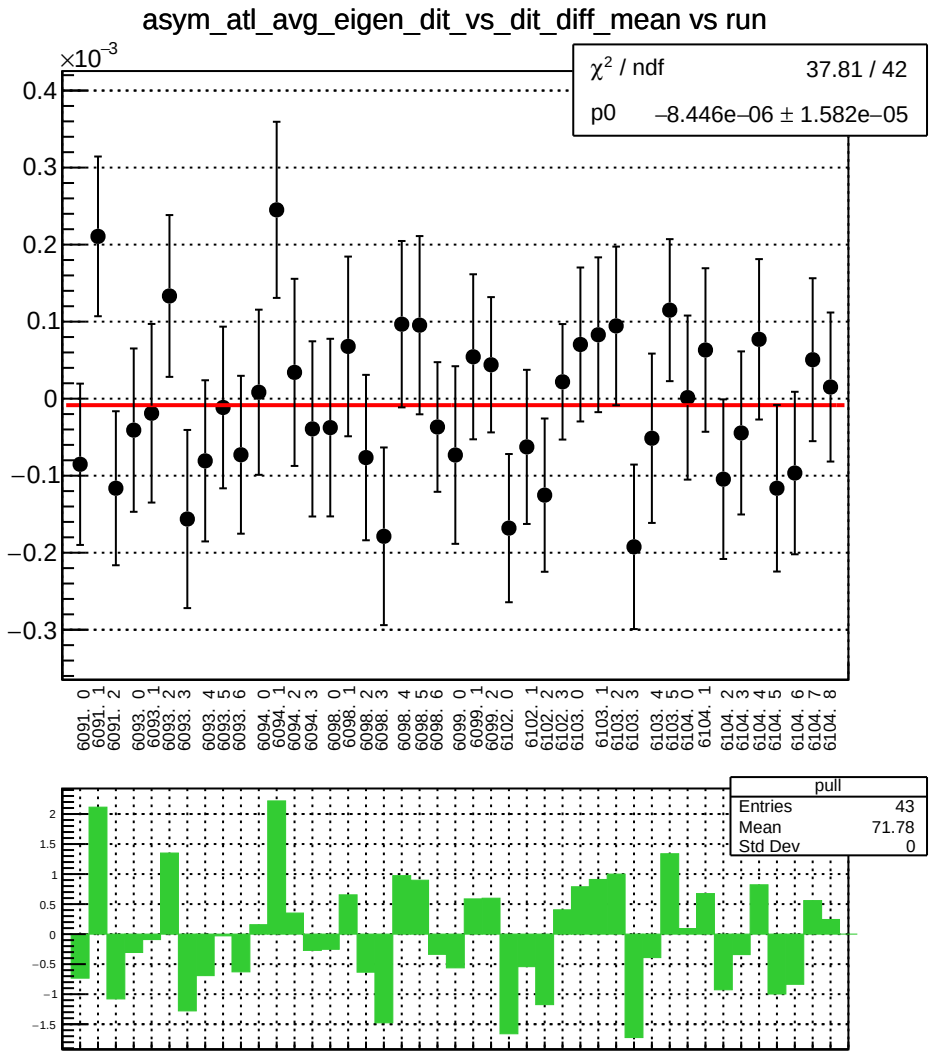
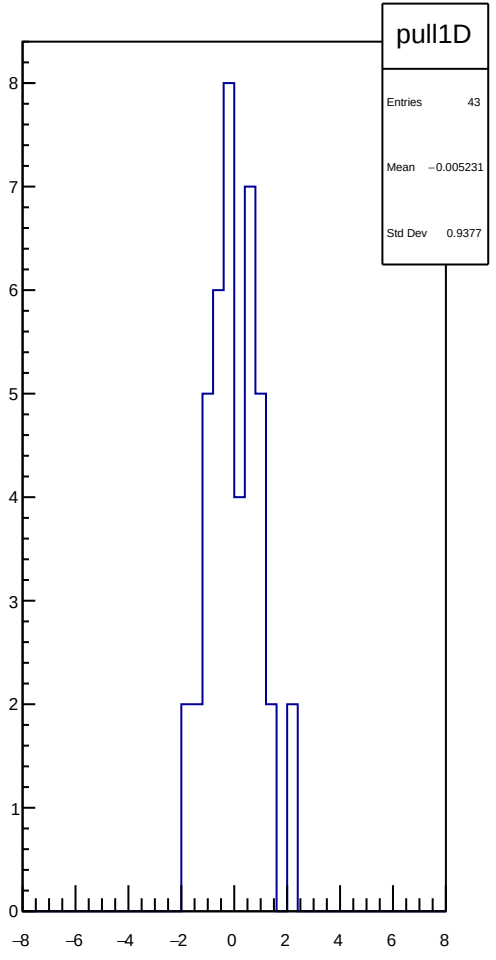
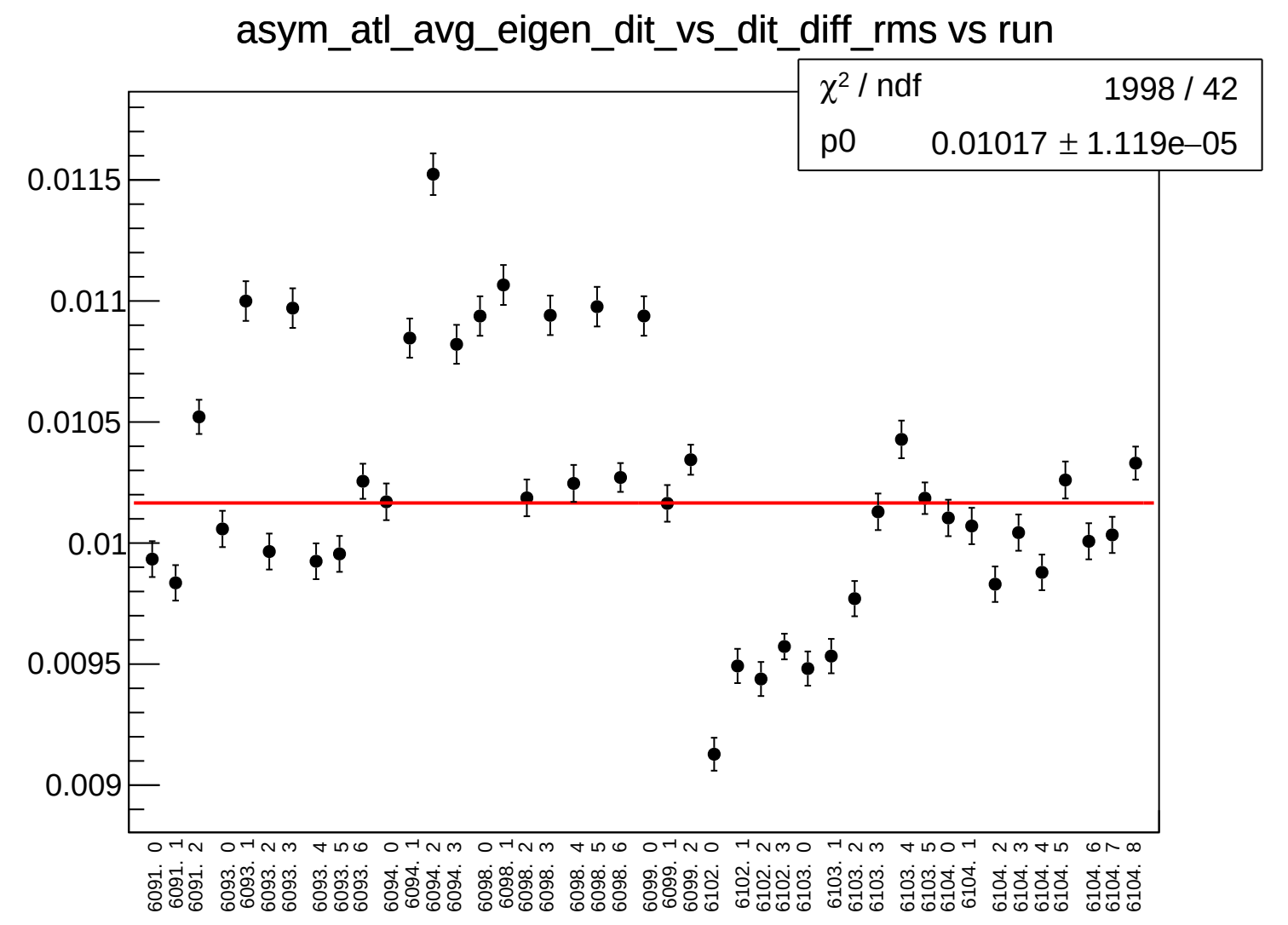
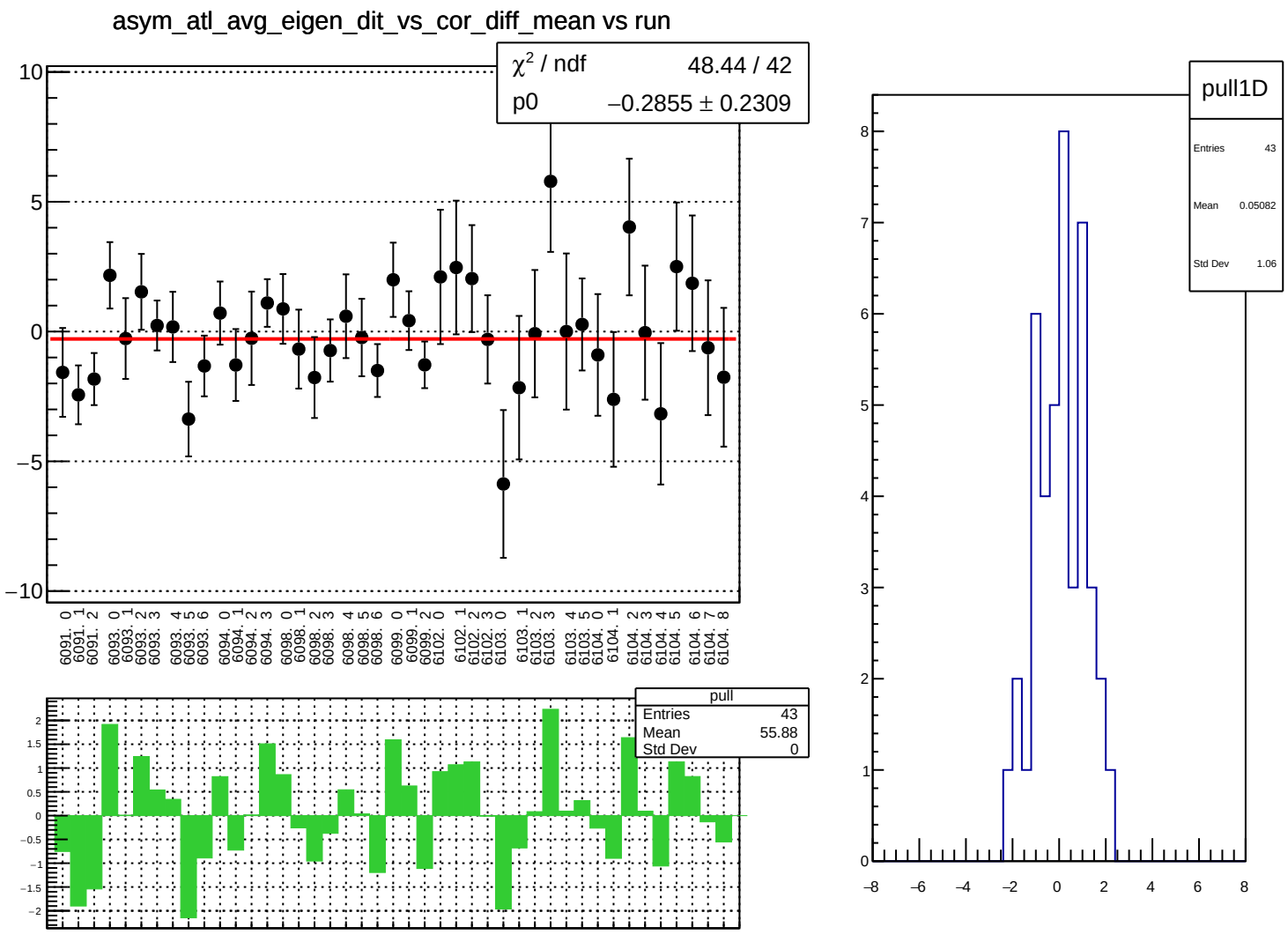
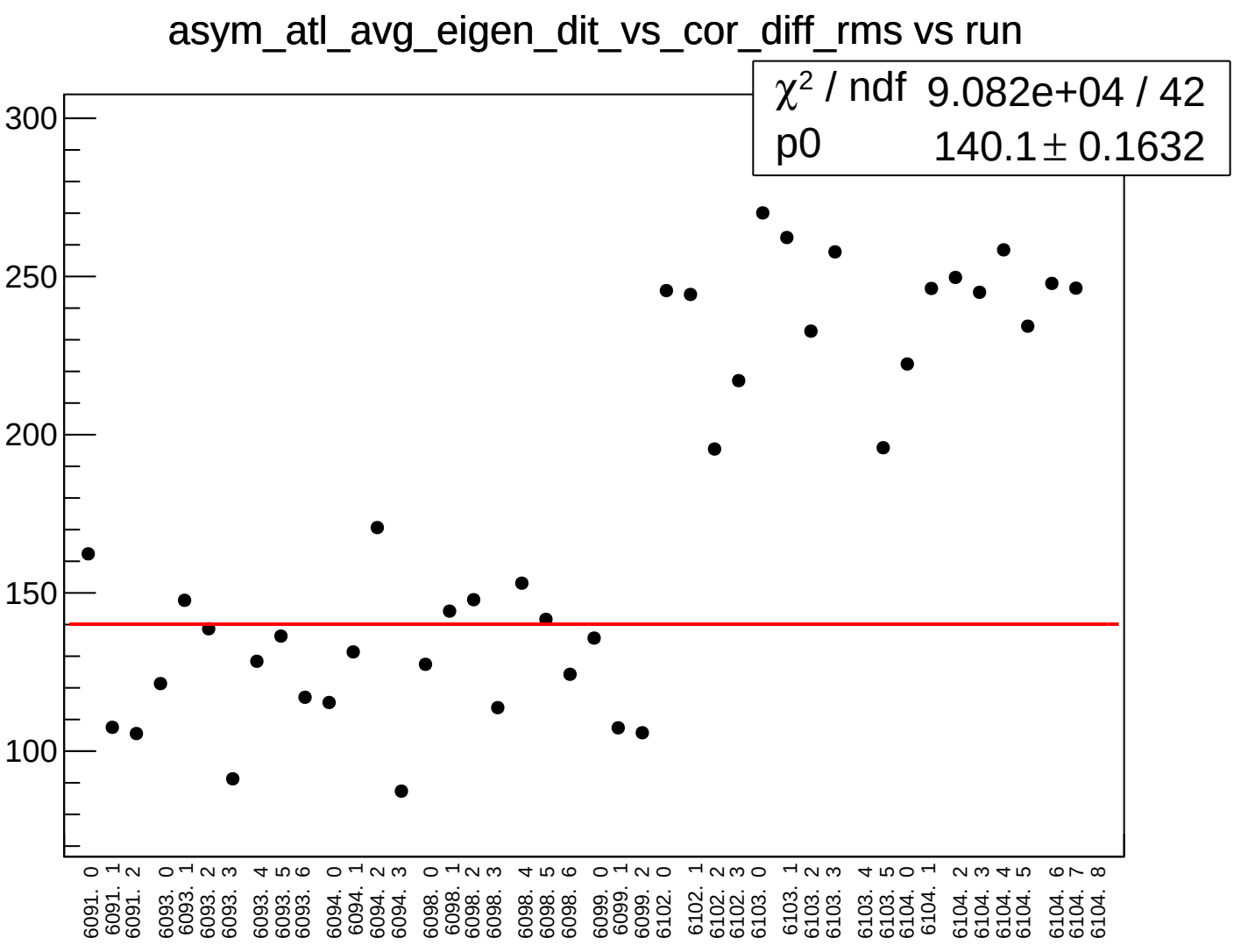
6104. 7
6104. 8

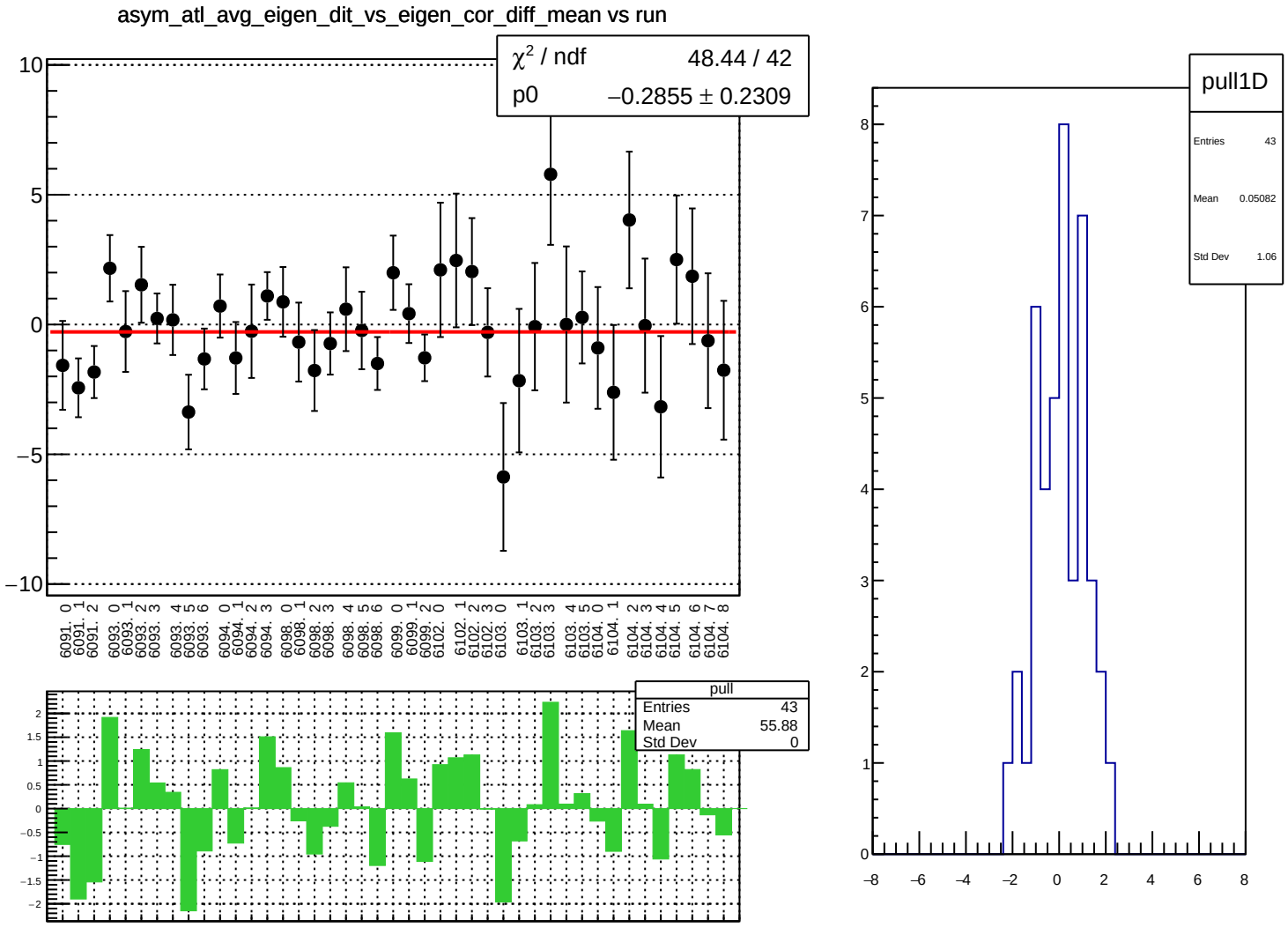

asym_atl_avg_eigen_dit_vs_dit_diff_mean vs run
×10^−3
χ² / ndf 37.81 / 42
p0 −8.446e−06 ± 1.582e−05
pull
Entries 43
Mean 71.78
Std Dev 0

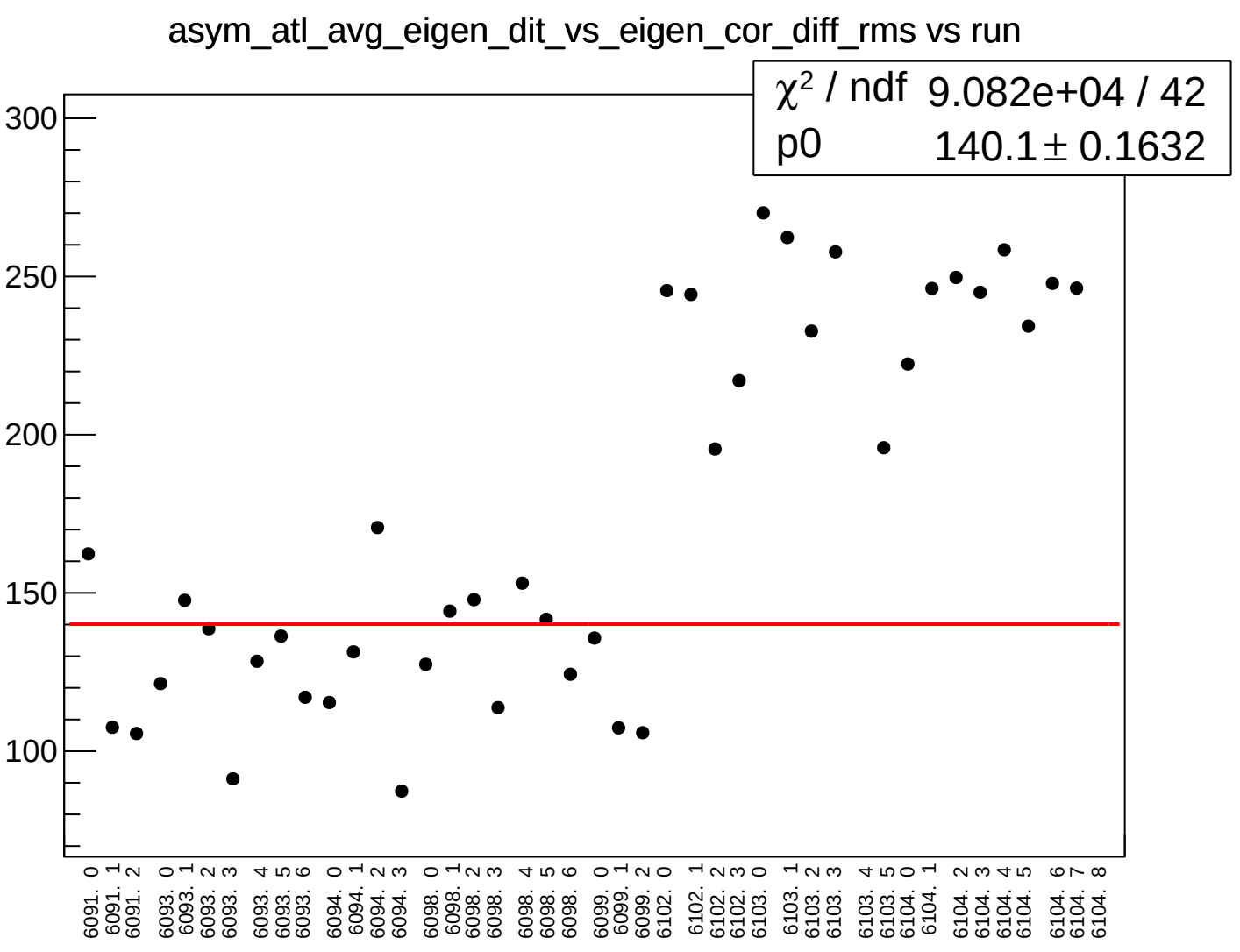

pull1D
Entries 43
Mean −0.005231
Std Dev 0.9377

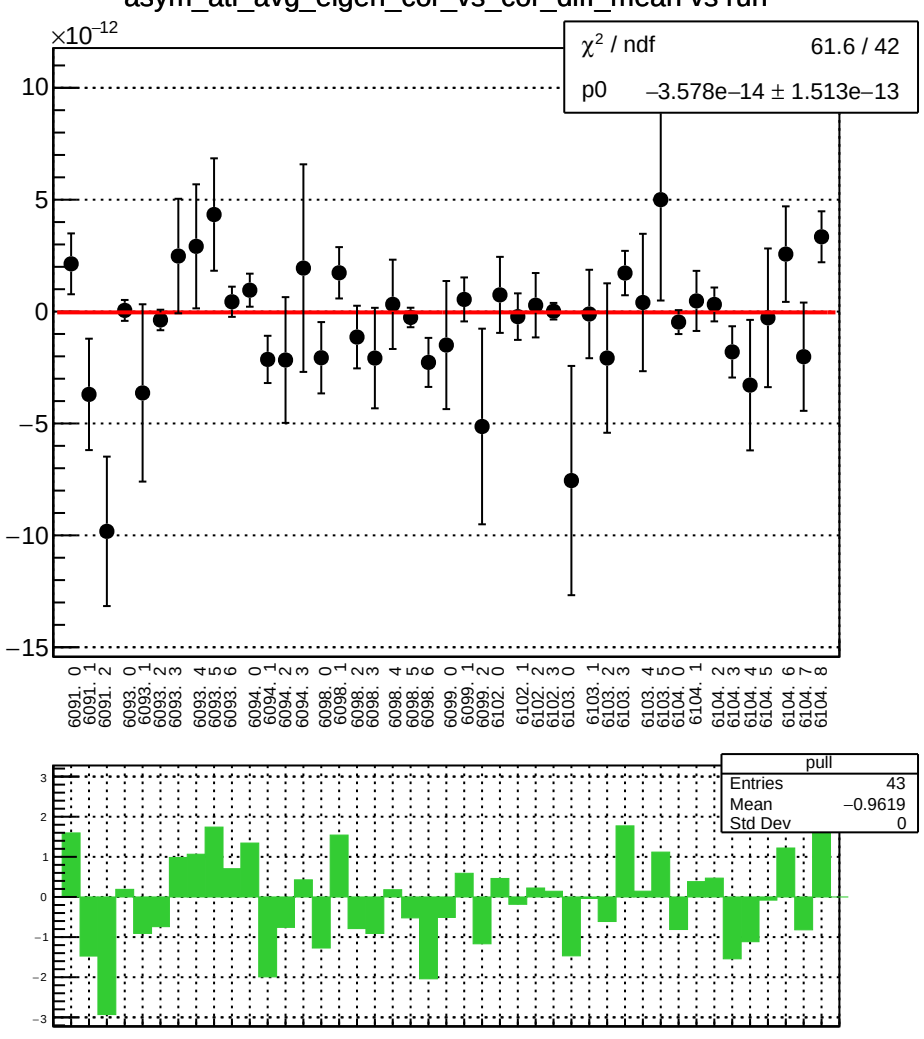

asym_atl_avg_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 1998 / 42
p0 0.01017 ± 1.119e–05
0.0115
0.011
0.0105
0.01
0.0095
0.009
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

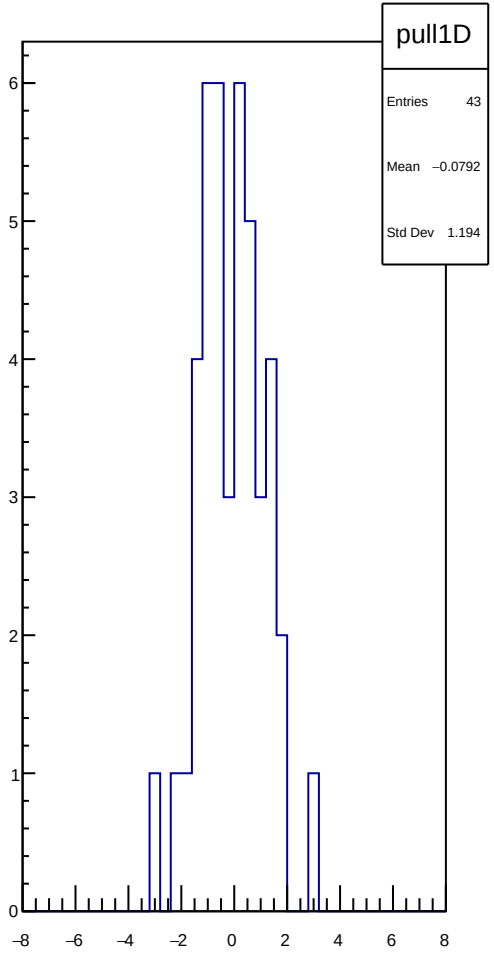

asym_atl_avg_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 48.44 / 42
p0 −0.2855 ± 0.2309
10
5
0
−5
−10
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 55.88
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 43
Mean 0.05082
Std Dev 1.06
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

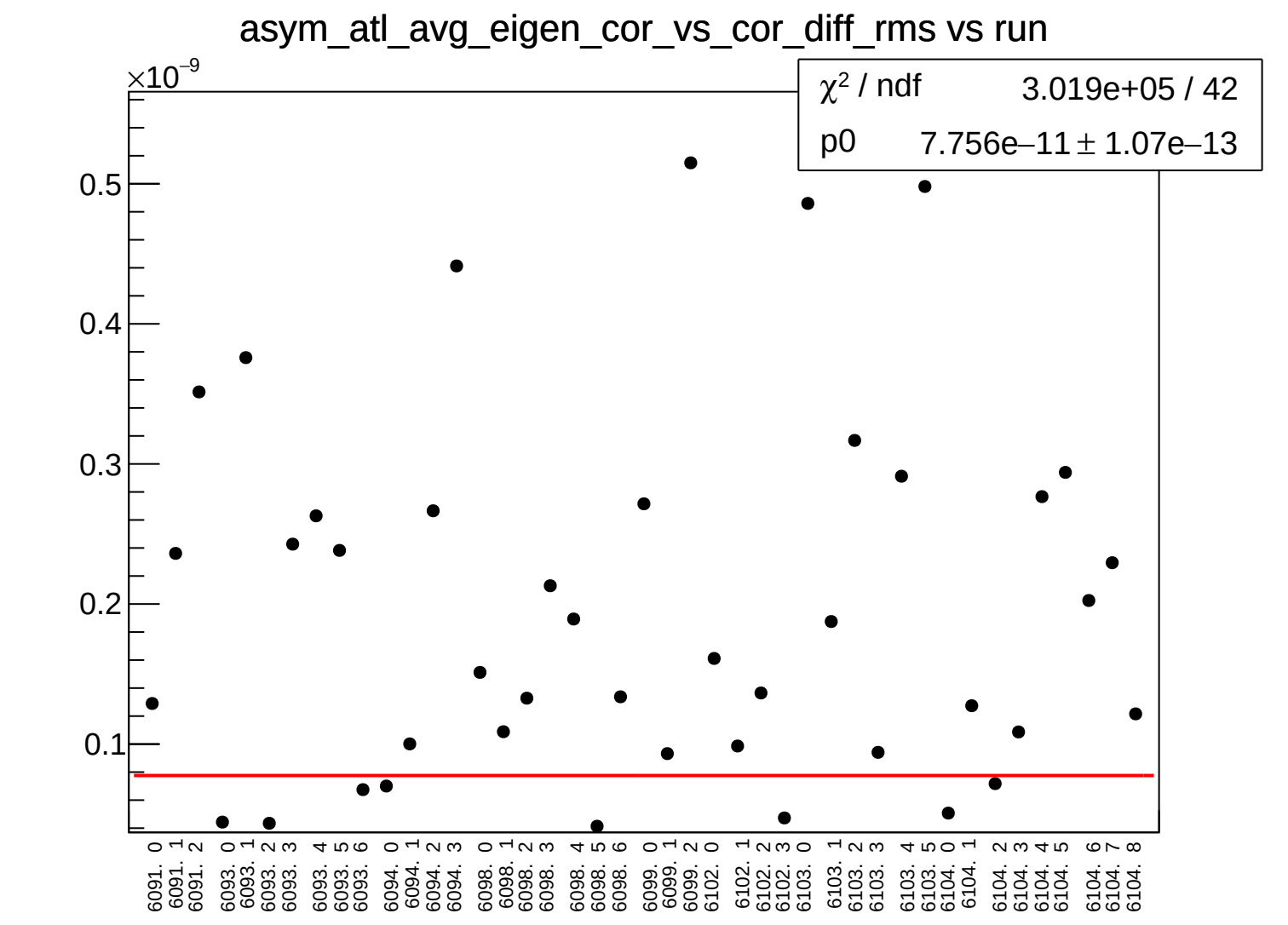

asym_atl_avg_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 9.082e+04 / 42
p0 140.1 ± 0.1632
300
250
200
150
100
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

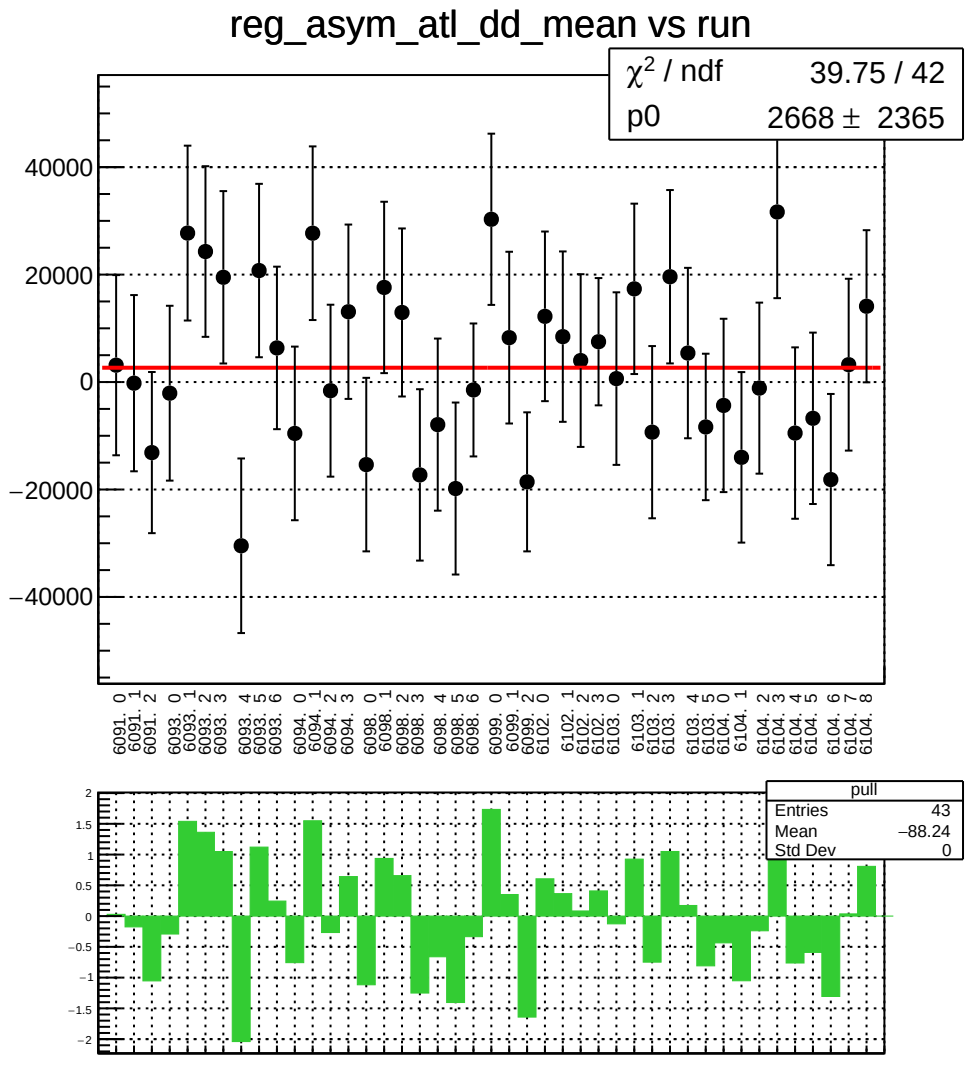

asym_atl_avg_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 48.44 / 42
p0 −0.2855 ± 0.2309
10
5
0
−5
−10
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 55.88
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 43
Mean 0.05082
Std Dev 1.06
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

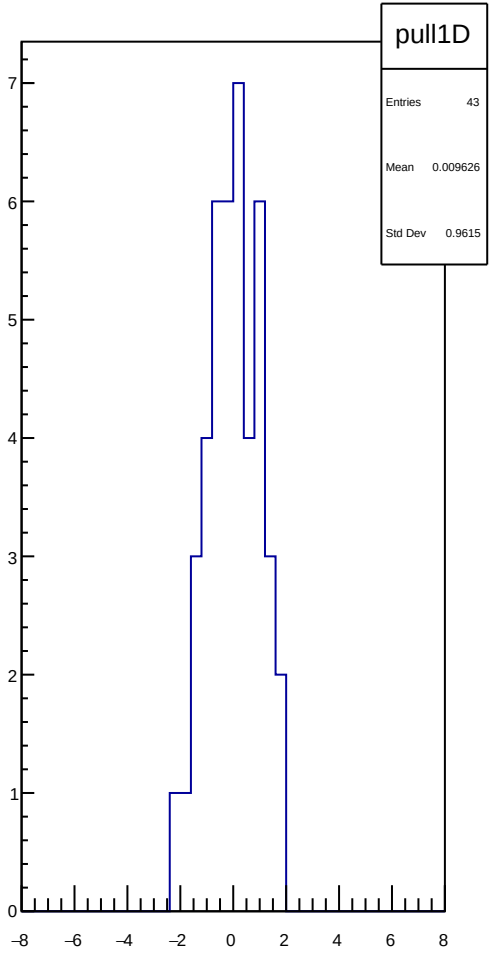

asym_atl_avg_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 9.082e+04 / 42
p0 140.1 ± 0.1632
300
250
200
150
100
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

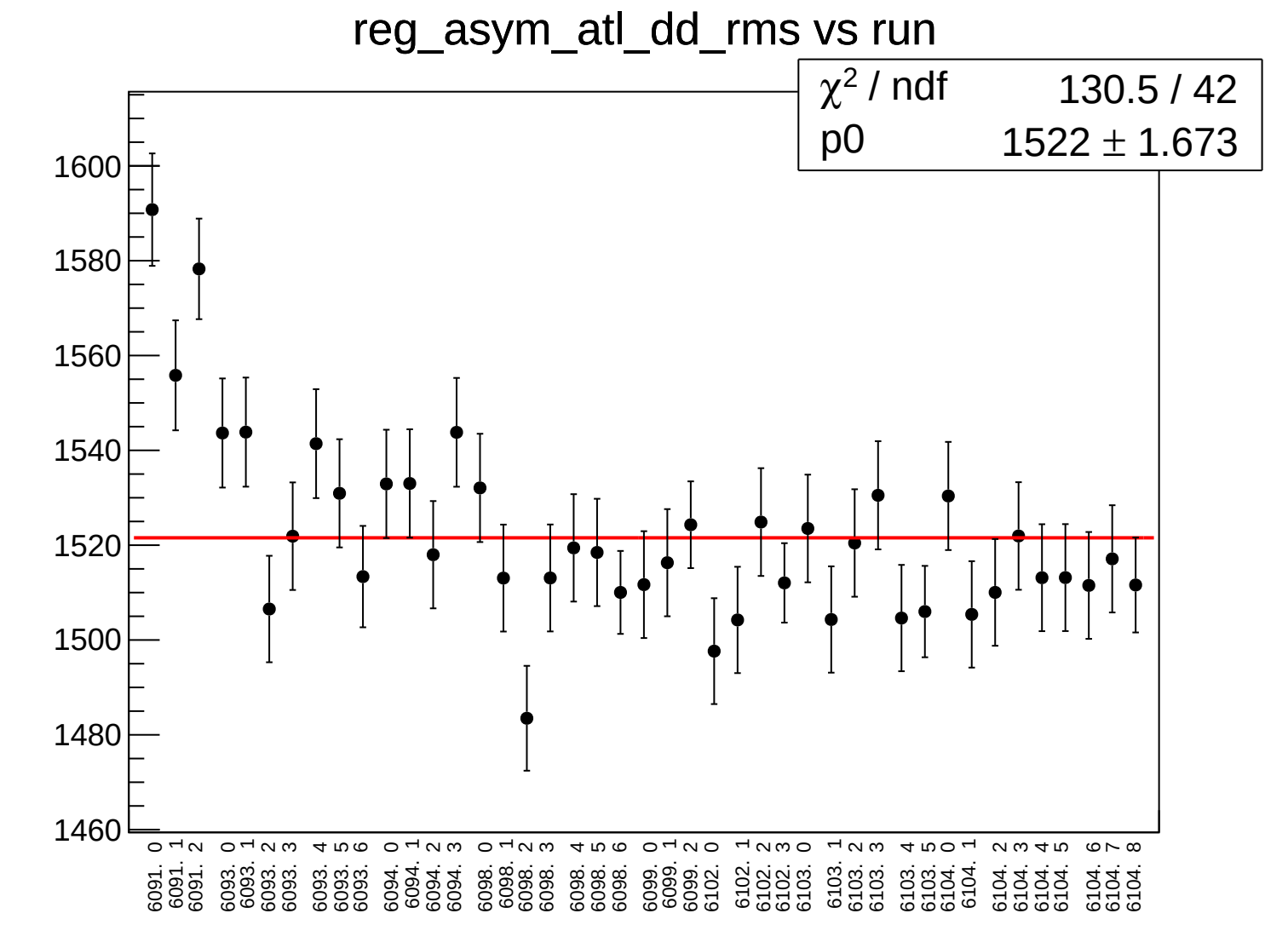

asym_atl_avg_eigen_cor_vs_cor_diff_mean vs run
×10−12
χ2 / ndf 61.6 / 42
p0 −3.578e−14 ± 1.513e−13
pull
Entries 43
Mean −0.9619
Std Dev 0

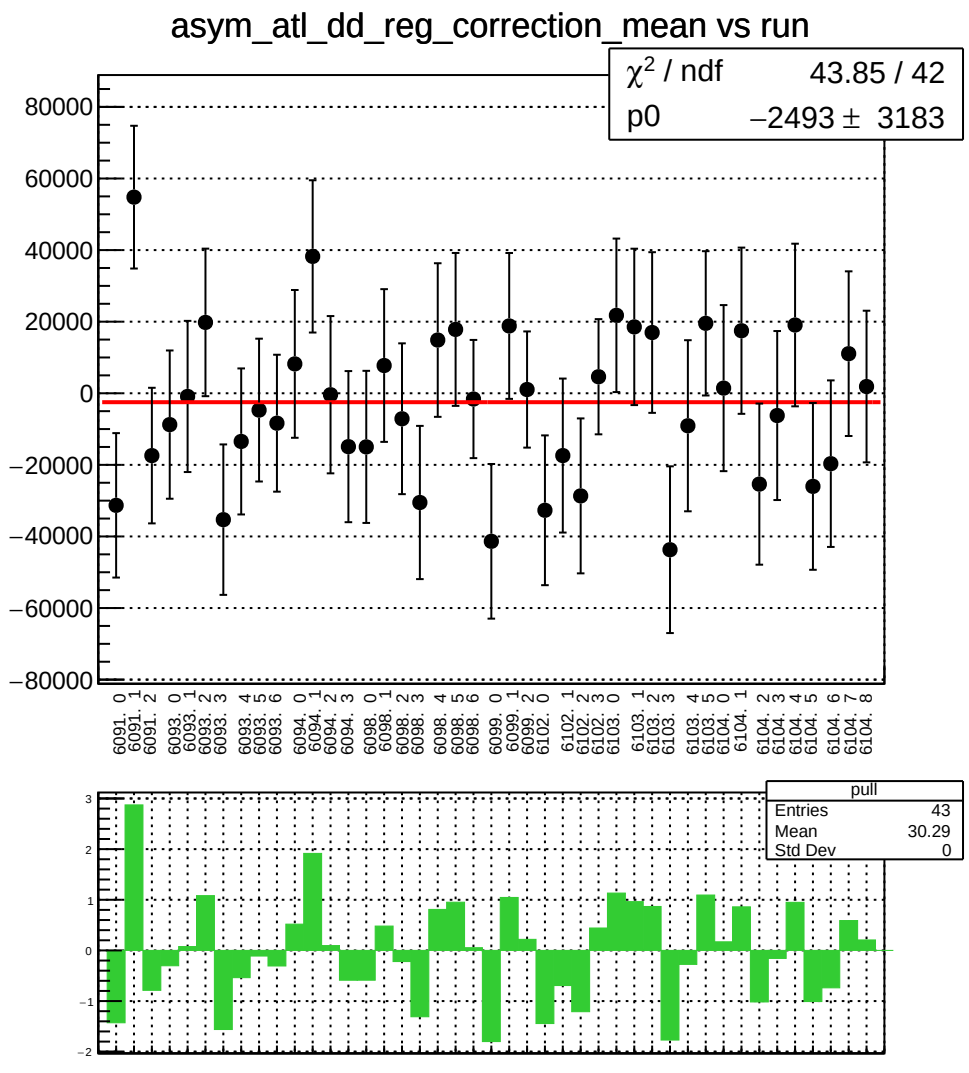

pull1D
Entries 43
Mean −0.0792
Std Dev 1.194

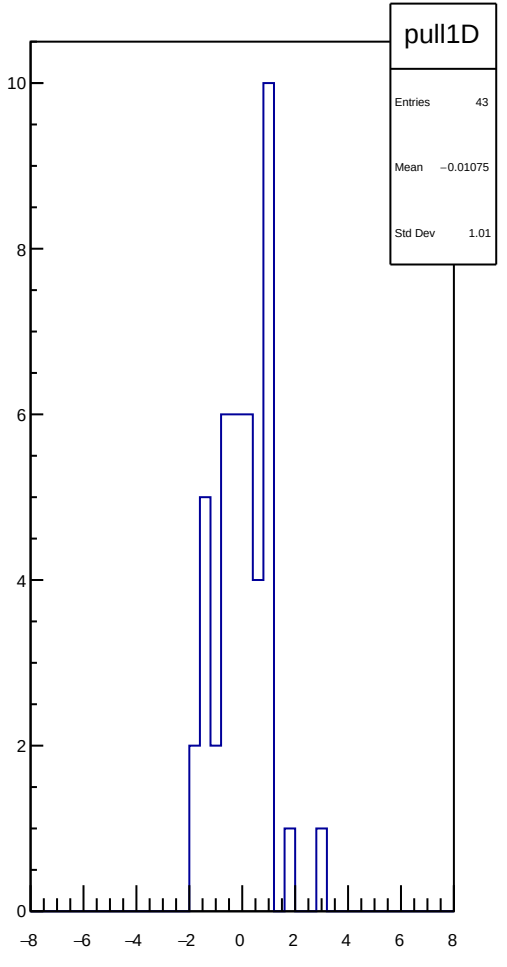

asym_atl_avg_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 3.019e+05 / 42
p0 7.756e−11 ± 1.07e−13
0.5
0.4
0.3
0.2
0.1
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

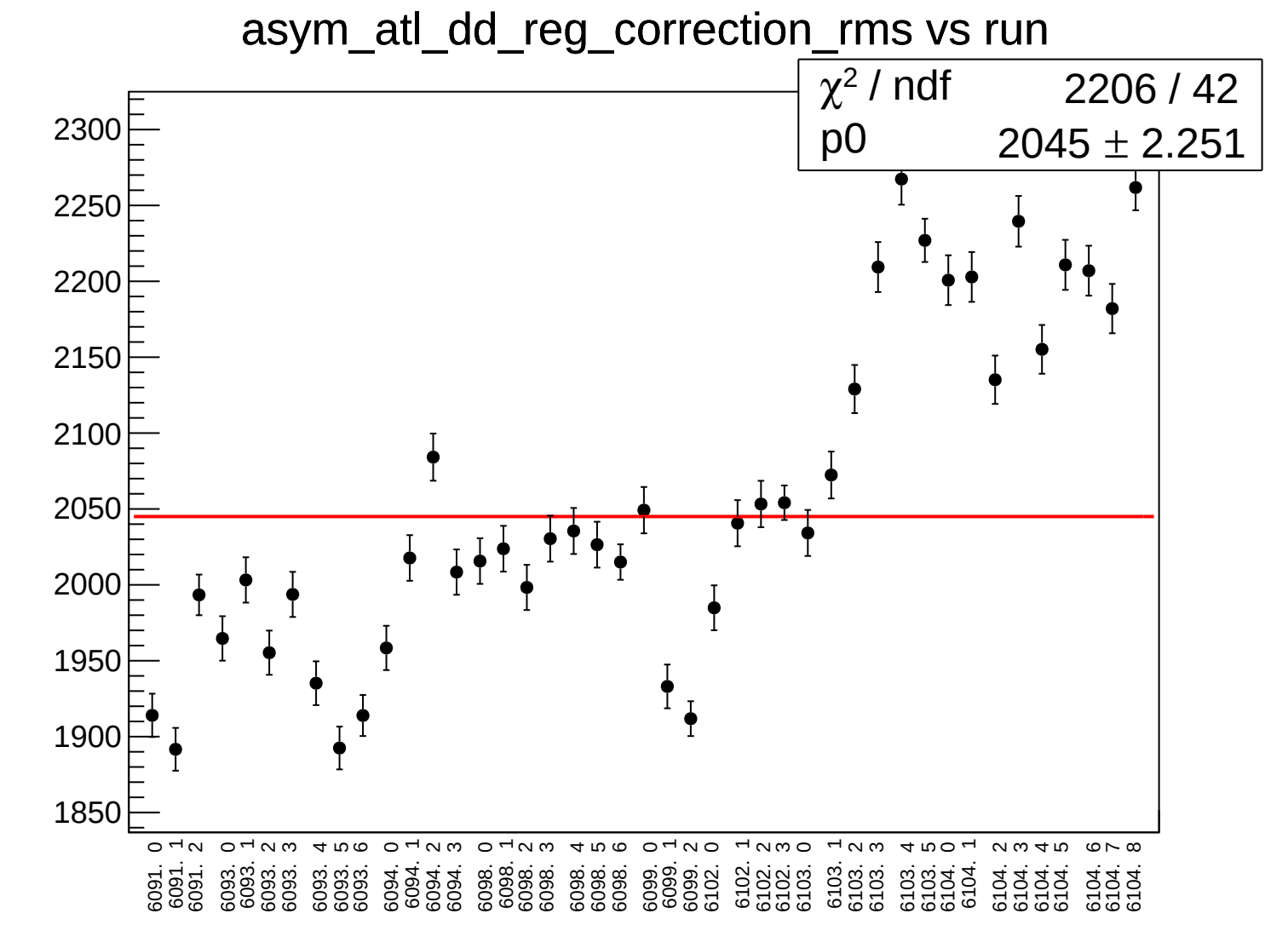

reg_asym_atl_dd_mean vs run
χ² / ndf 39.75 / 42
p0 2668 ± 2365
40000
20000
0
−20000
−40000
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean −88.24
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

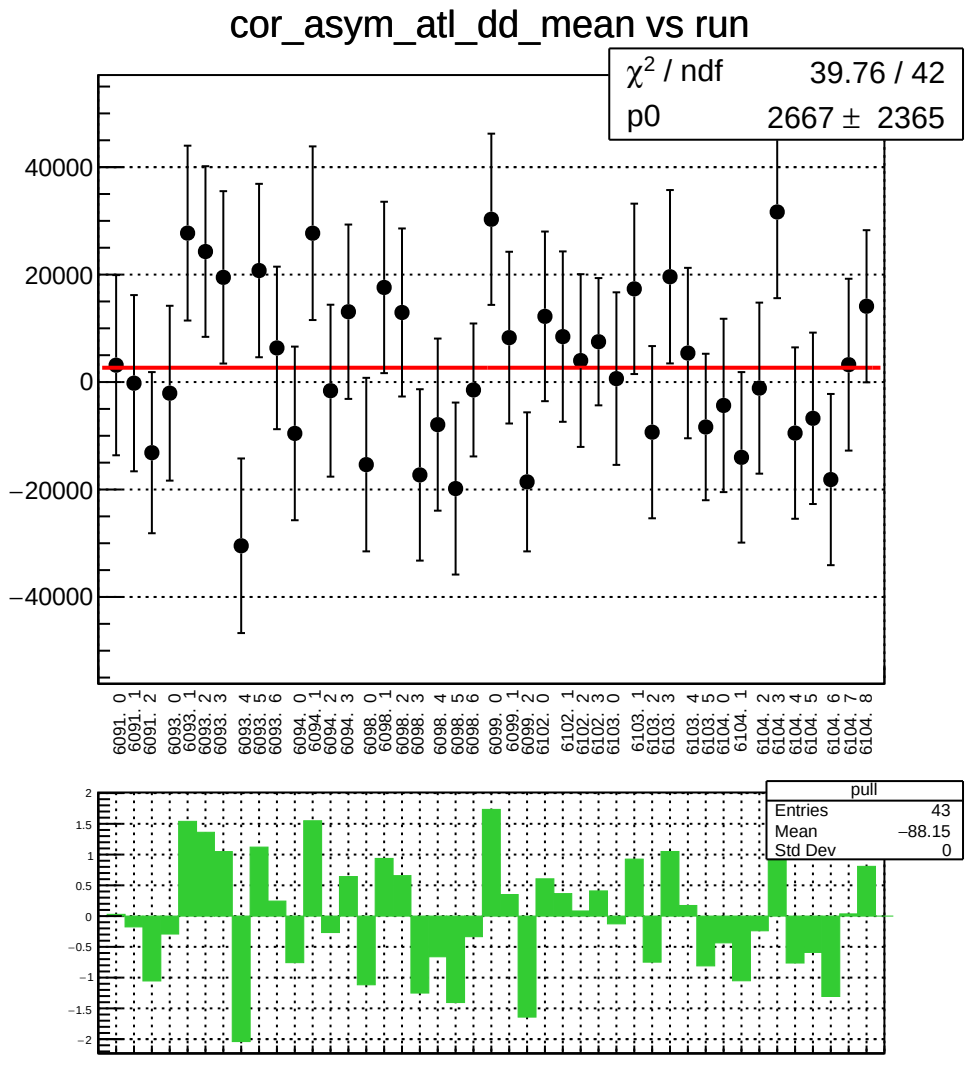

pull1D
Entries 43
Mean 0.009626
Std Dev 0.9615
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

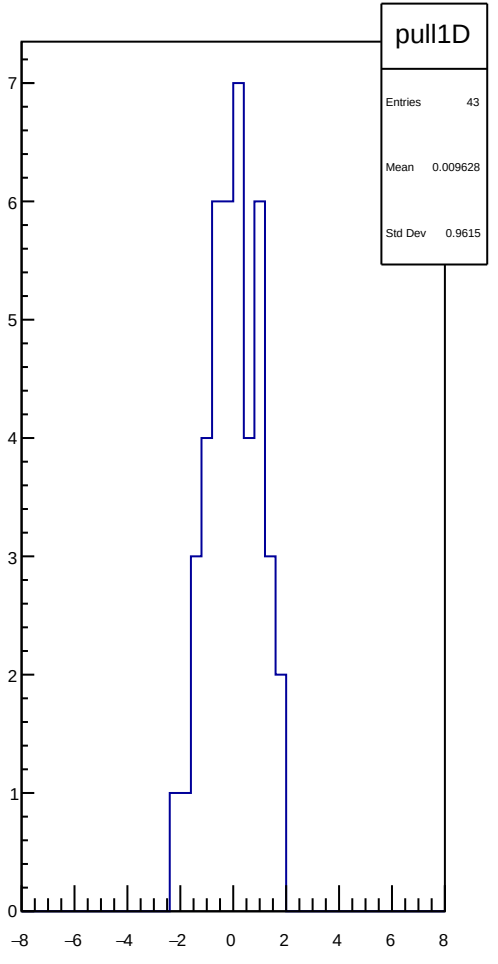

reg_asym_atl_dd_rms vs run
χ² / ndf 130.5 / 42
p0 1522 ± 1.673
1600
1580
1560
1540
1520
1500
1480
1460
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

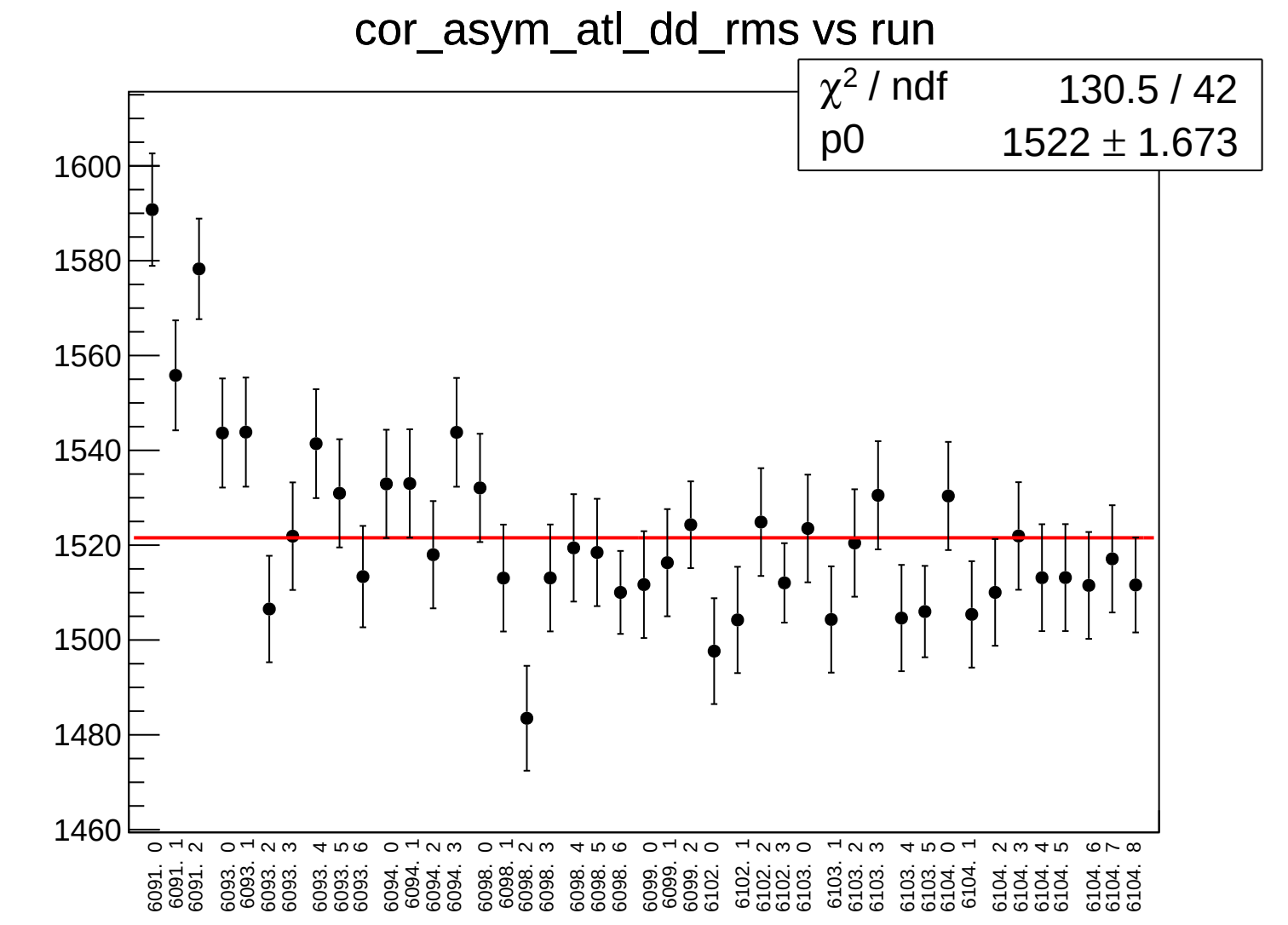

asym_atl_dd_reg_correction_mean vs run
χ² / ndf 43.85 / 42
p0 −2493 ± 3183
80000
60000
40000
20000
0
−20000
−40000
−60000
−80000
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 30.29
Std Dev 0
3
2
1
0
−1
−2

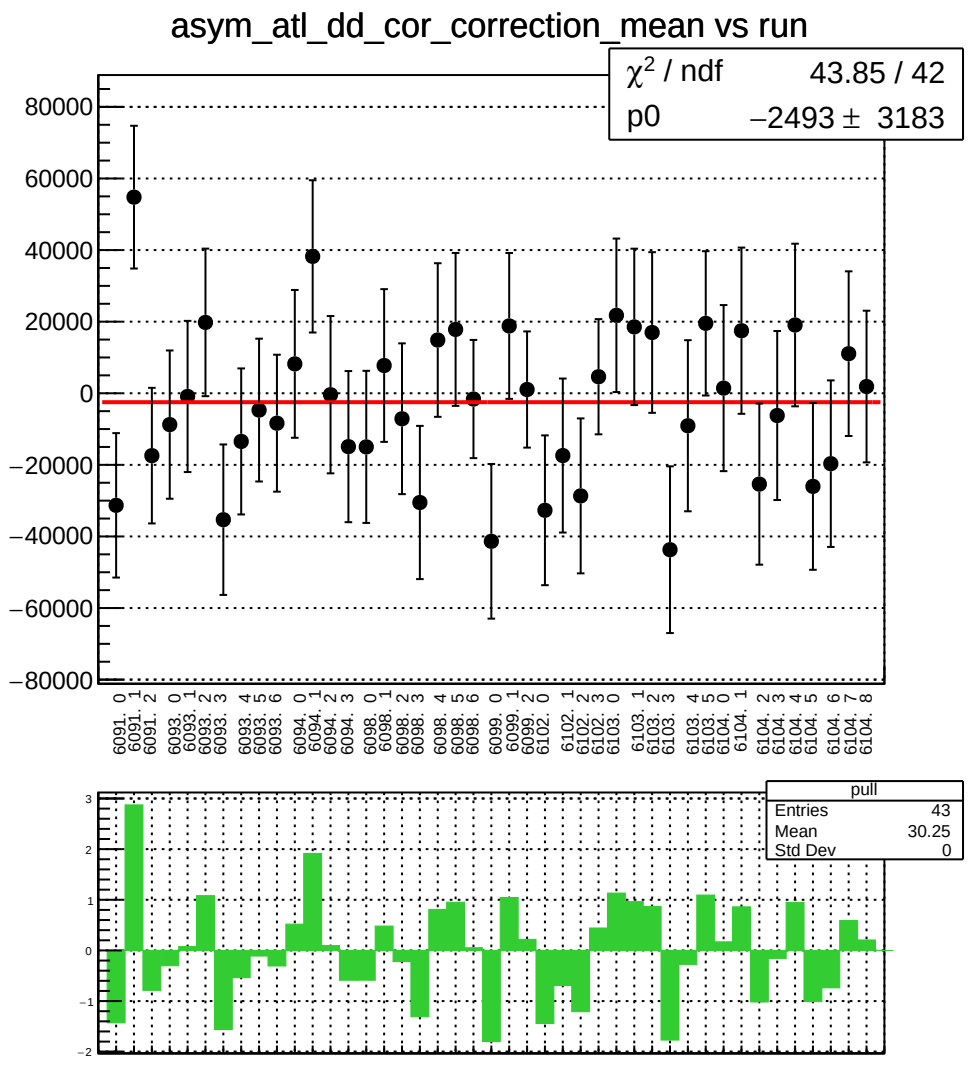

pull1D
Entries 43
Mean −0.01075
Std Dev 1.01
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

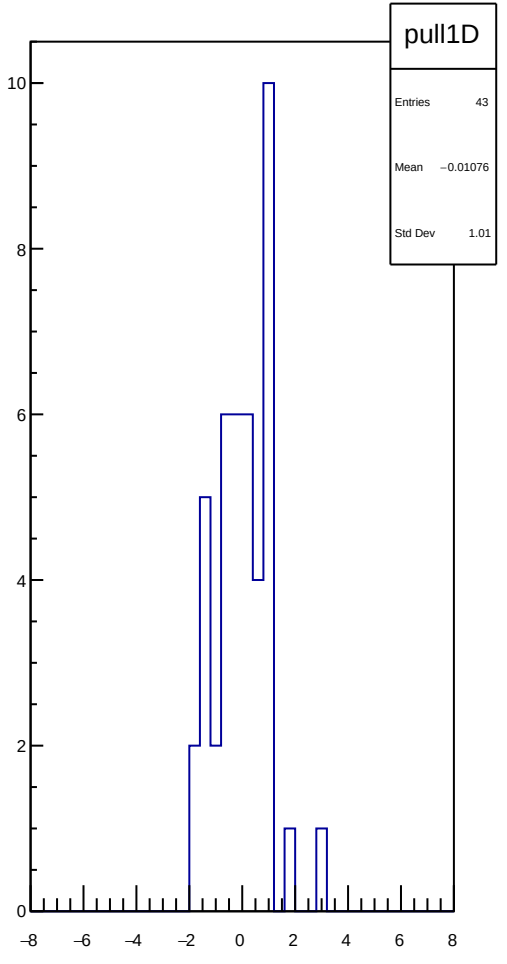

asym_atl_dd_reg_correction_rms vs run
χ² / ndf 2206 / 42
p0 2045 ± 2.251
2300
2250
2200
2150
2100
2050
2000
1950
1900
1850
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

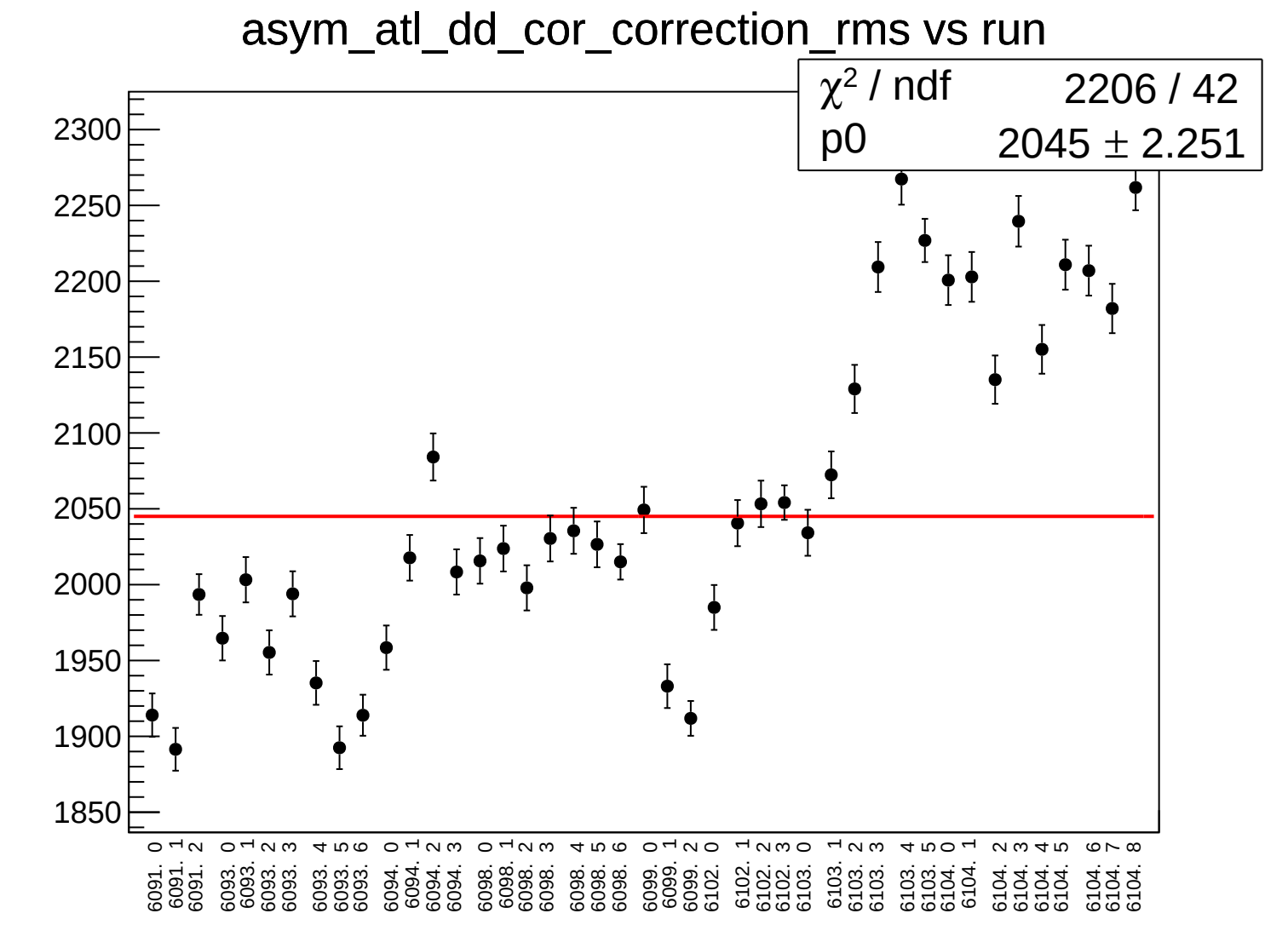

cor_asym_atl_dd_mean vs run
χ² / ndf 39.76 / 42
p0 2667 ± 2365
40000
20000
0
−20000
−40000
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean −88.15
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

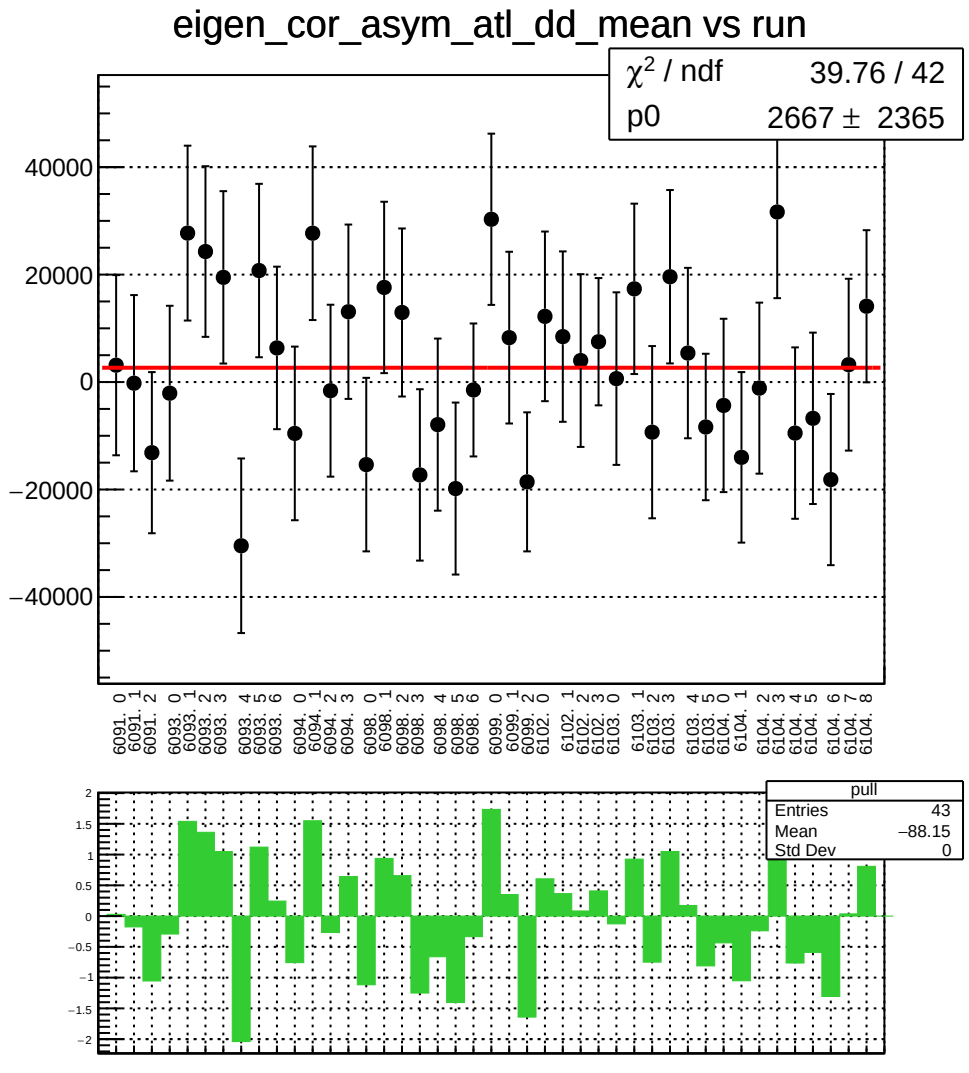

pull1D
Entries 43
Mean 0.009628
Std Dev 0.9615
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

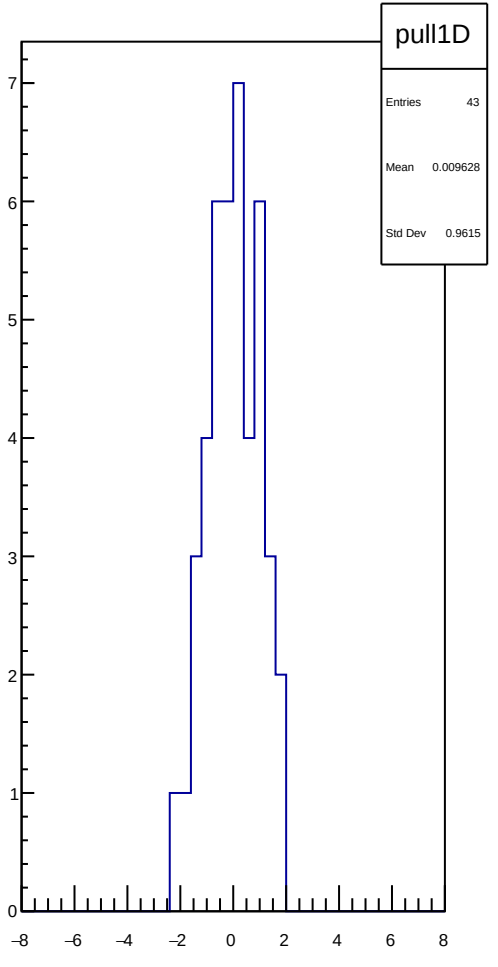

cor_asym_atl_dd_rms vs run
χ² / ndf 130.5 / 42
p0 1522 ± 1.673
1600
1580
1560
1540
1520
1500
1480
1460
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

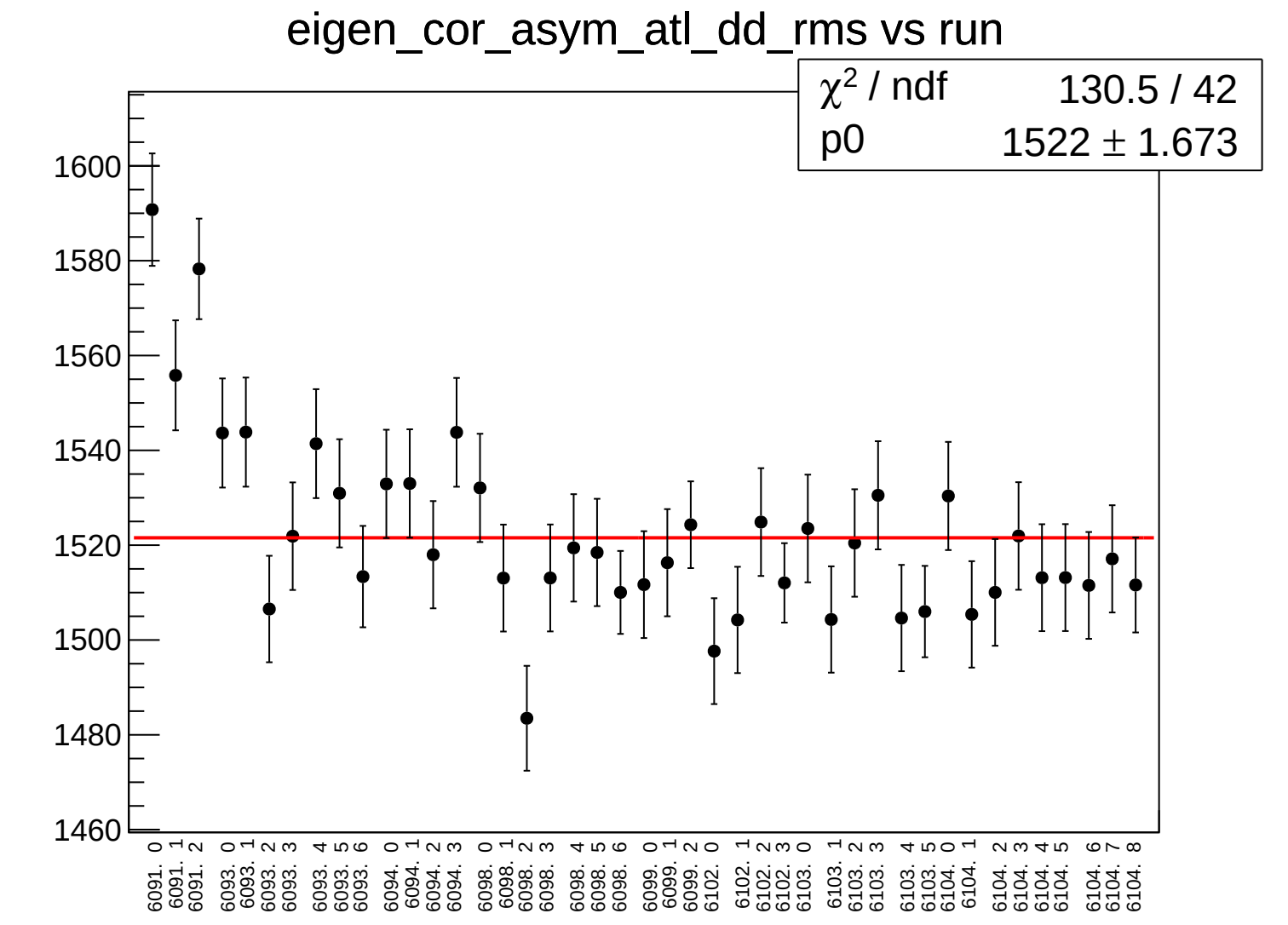

asym_atl_dd_cor_correction_mean vs run
χ² / ndf 43.85 / 42
p0 −2493 ± 3183
80000
60000
40000
20000
0
−20000
−40000
−60000
−80000
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 30.25
Std Dev 0
3
2
1
0
−1
−2


pull1D
Entries 43
Mean −0.01076
Std Dev 1.01
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

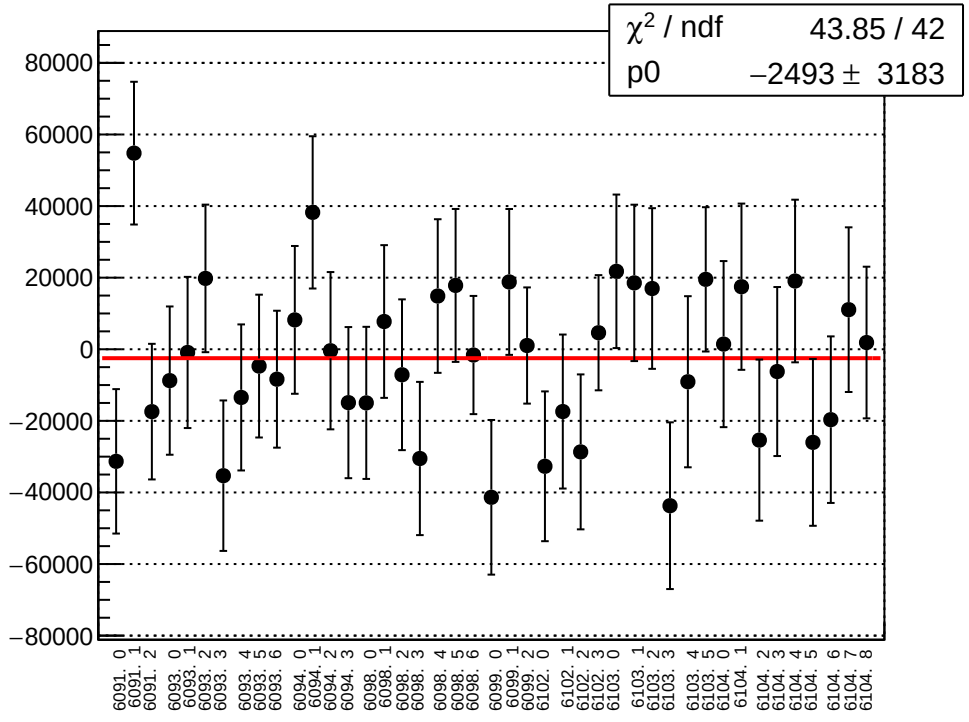

asym_atl_dd_cor_correction_rms vs run
χ² / ndf 2206 / 42
p0 2045 ± 2.251
2300
2250
2200
2150
2100
2050
2000
1950
1900
1850
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

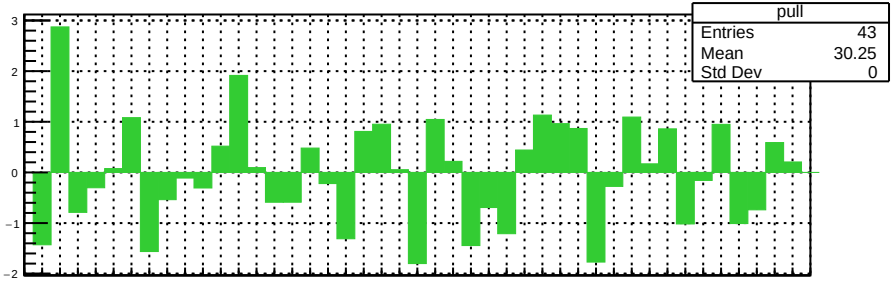

eigen_cor_asym_atl_dd_mean vs run
χ² / ndf 39.76 / 42
p0 2667 ± 2365
40000
20000
0
−20000
−40000
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean −88.15
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

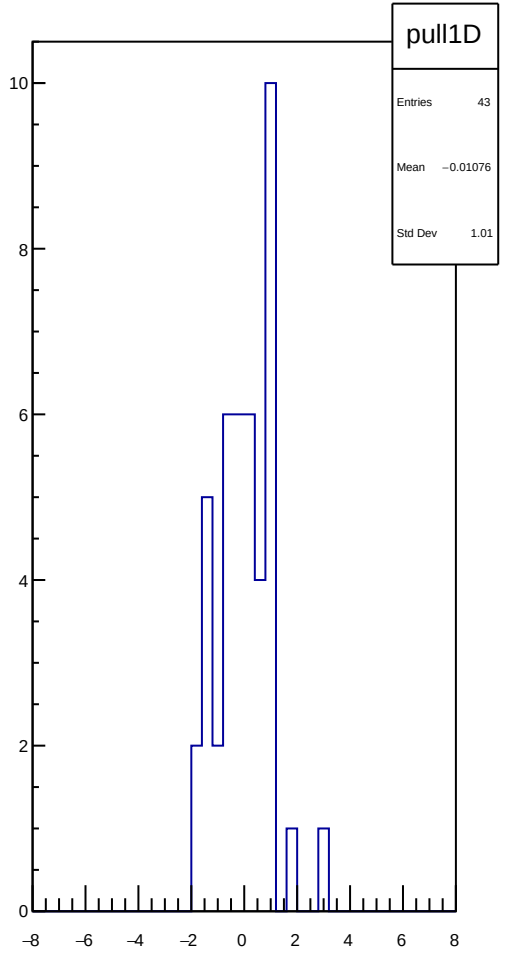

pull1D
Entries 43
Mean 0.009628
Std Dev 0.9615
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

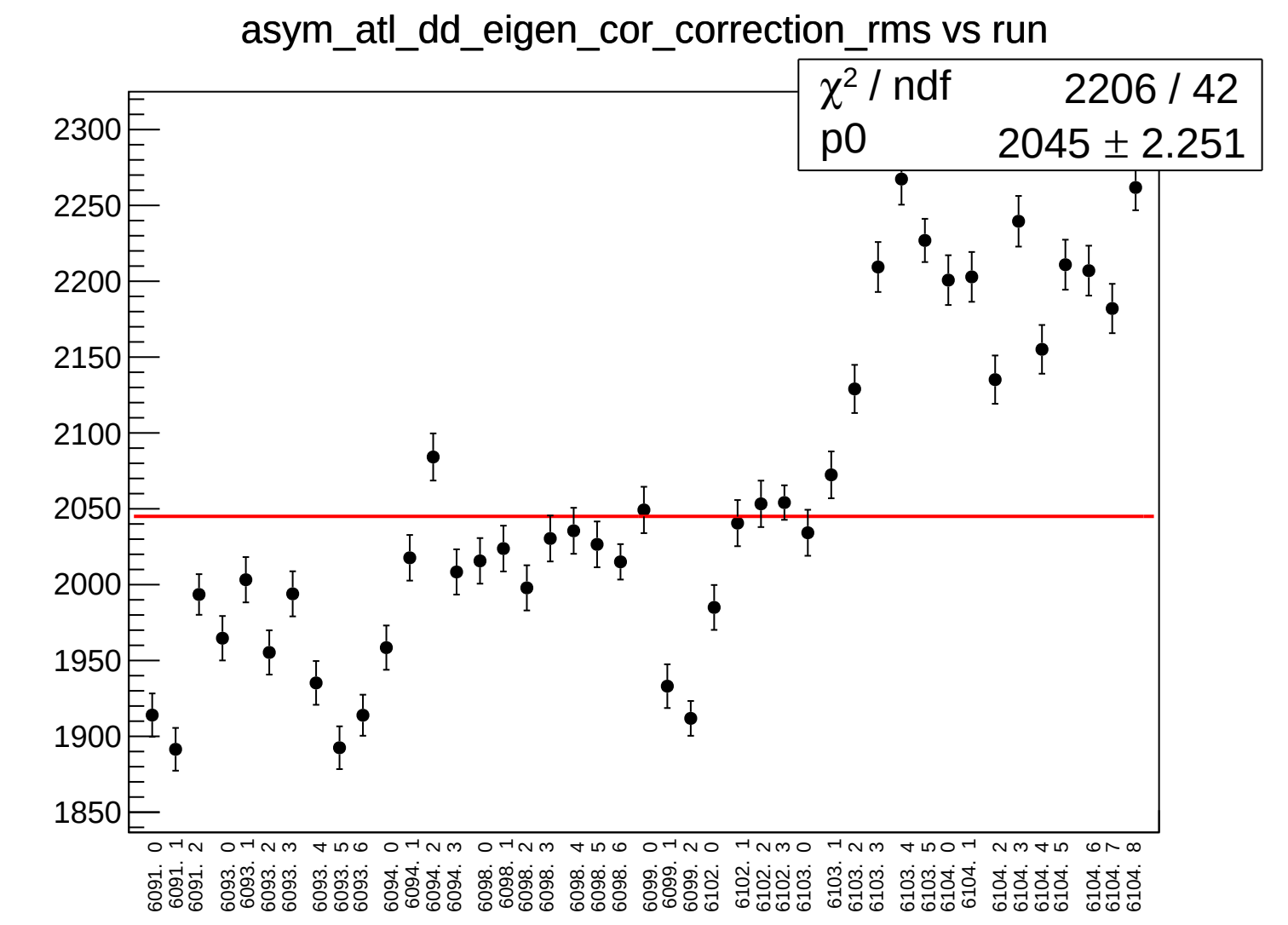

eigen_cor_asym_atl_dd_rms vs run
χ² / ndf 130.5 / 42
p0 1522 ± 1.673
1600
1580
1560
1540
1520
1500
1480
1460
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

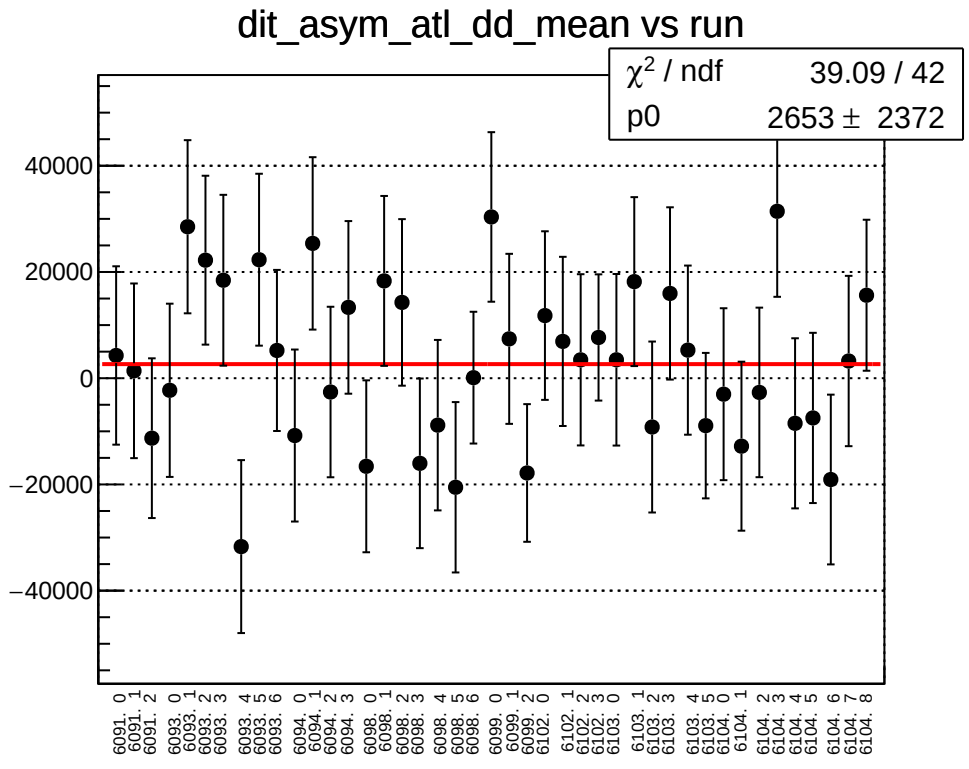
asym_atl_dd_eigen_cor_correction_mean vs run

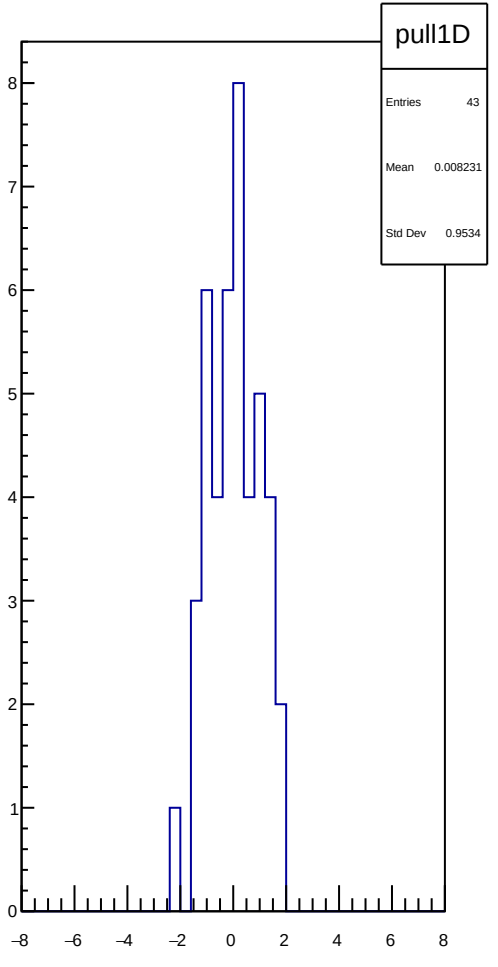


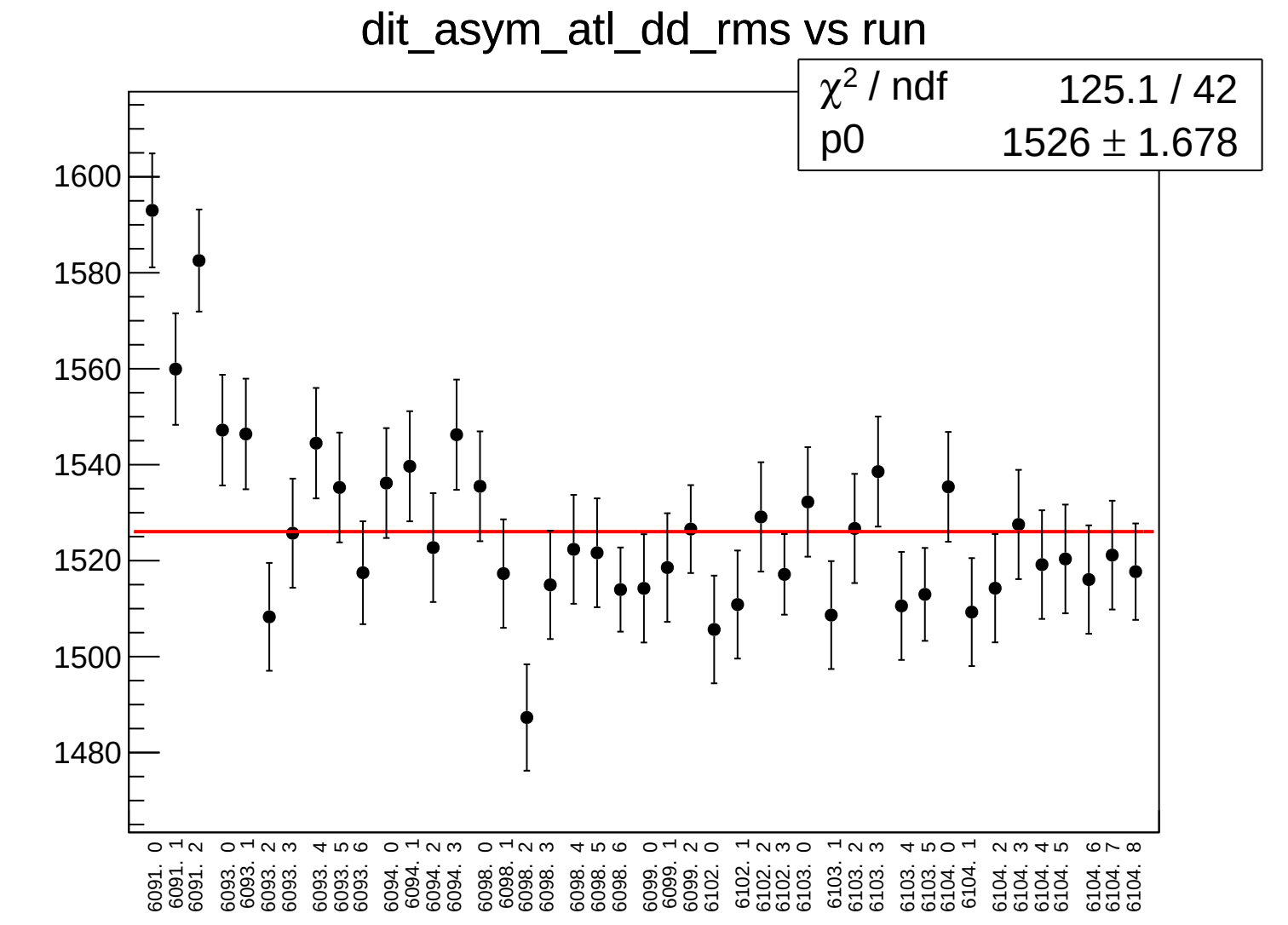


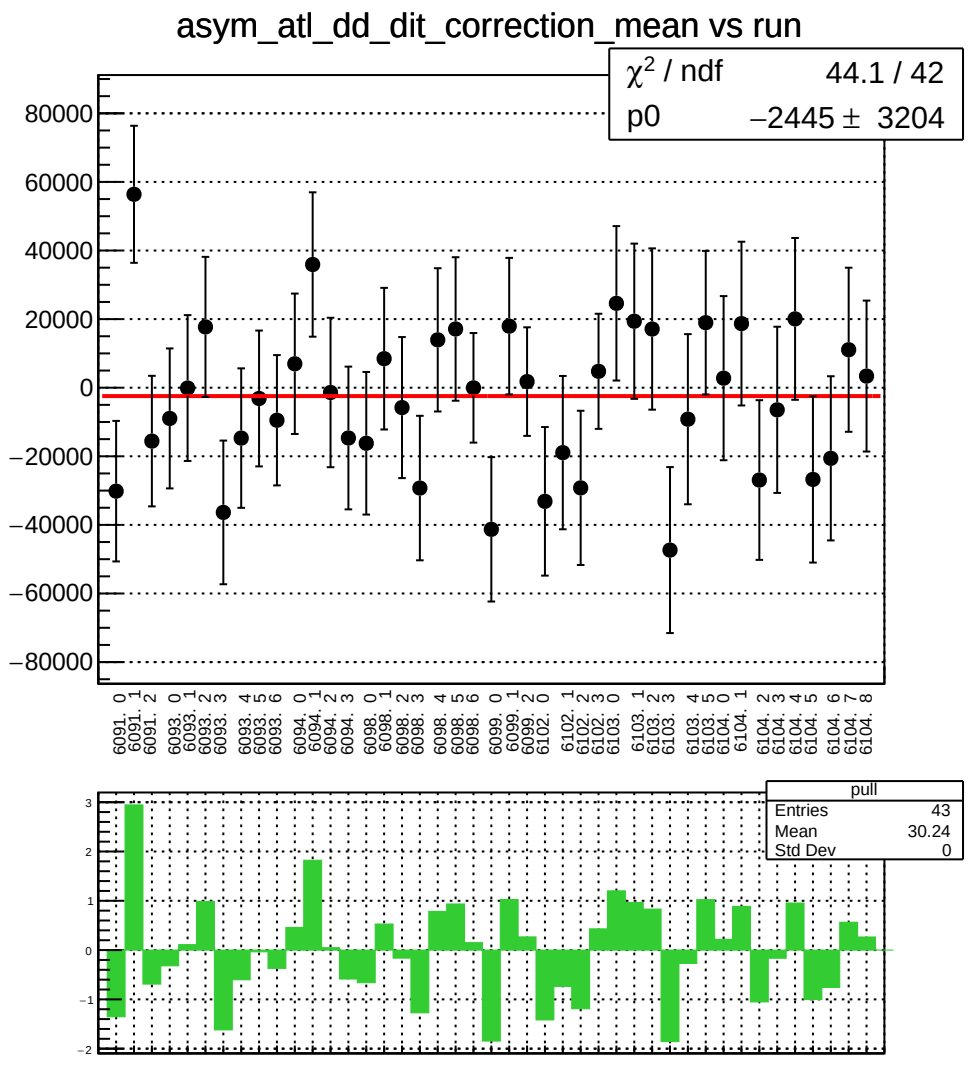


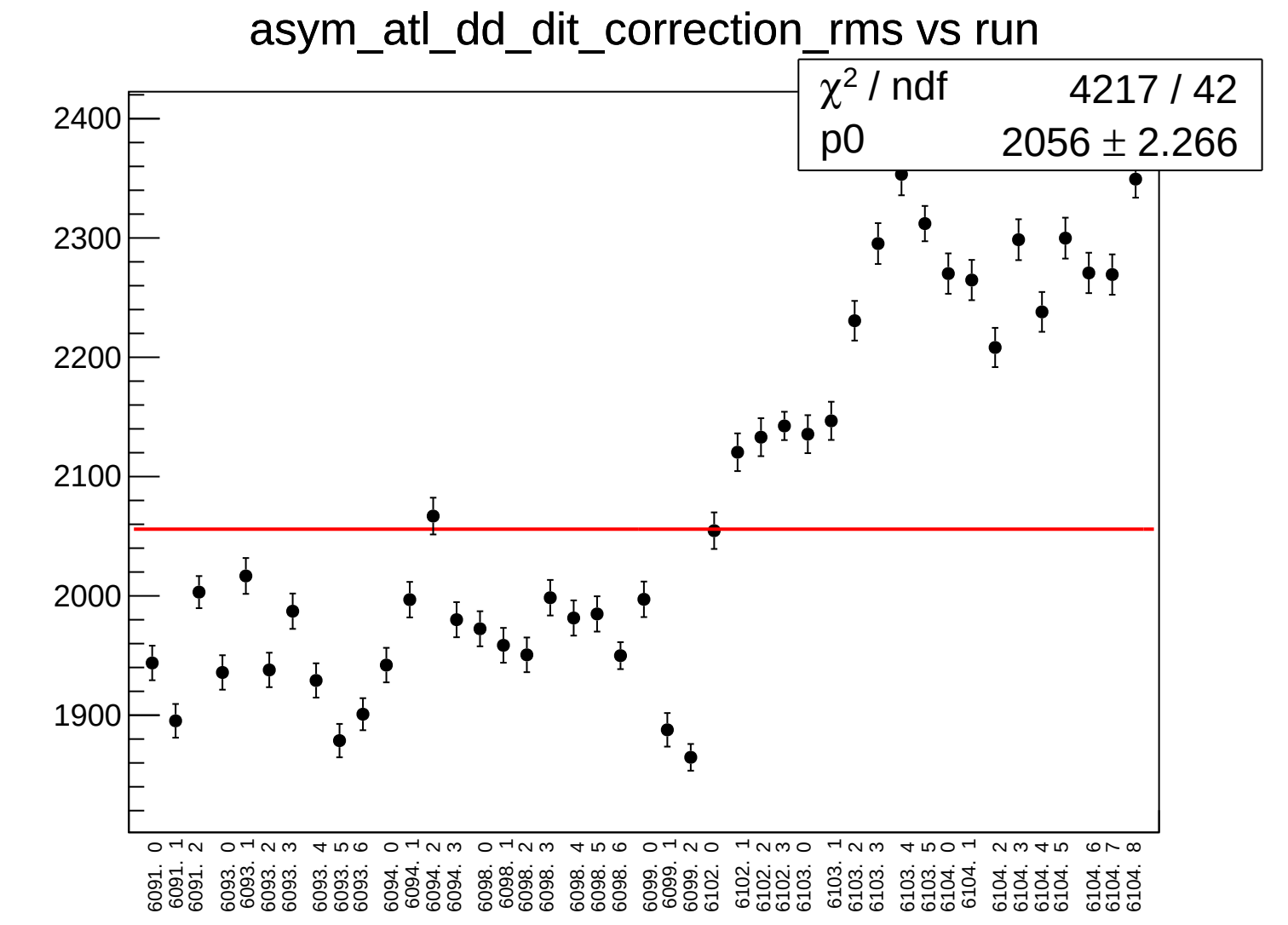

asym_atl_dd_eigen_cor_correction_rms vs run
χ² / ndf 2206 / 42
p0 2045 ± 2.251
2300
2250
2200
2150
2100
2050
2000
1950
1900
1850
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

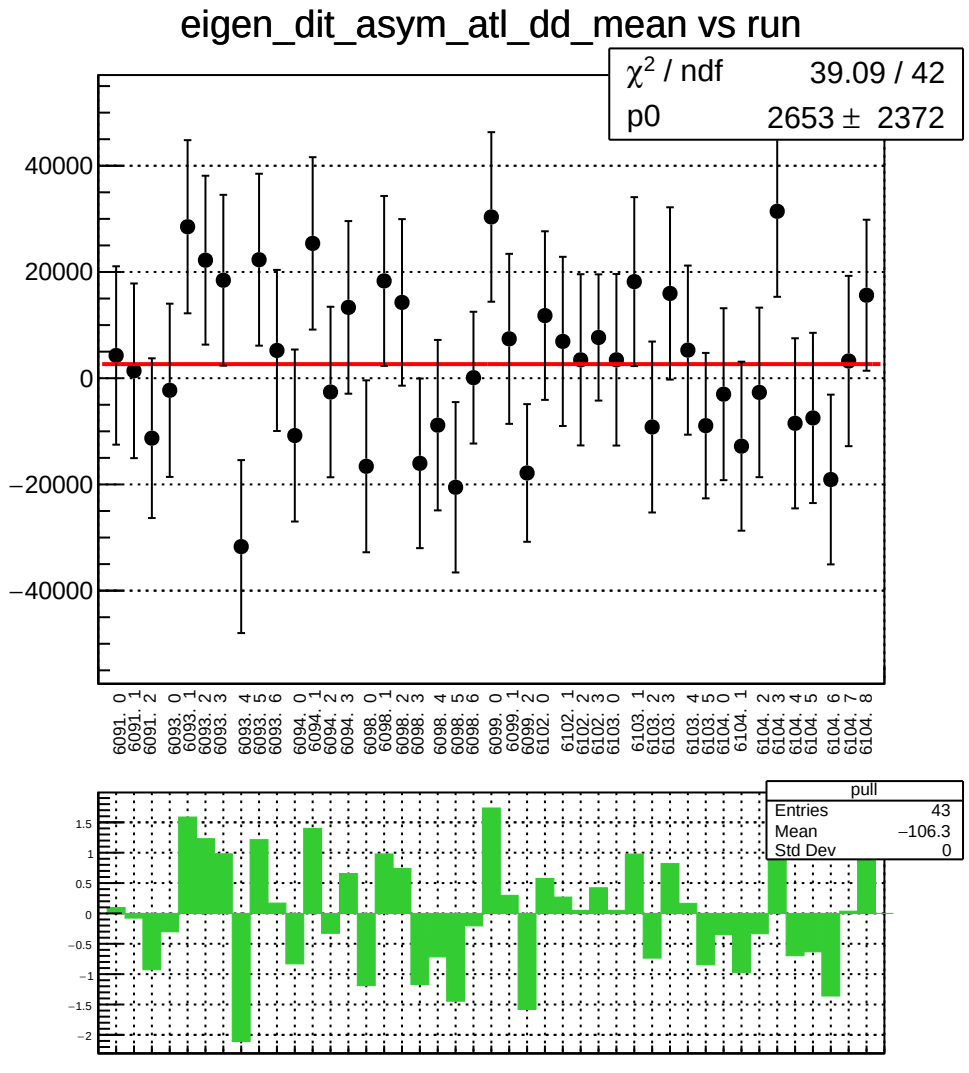

dit_asym_atl_dd_mean vs run
χ² / ndf 39.09 / 42
p0 2653 ± 2372
40000
20000
0
−20000
−40000
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean −106.3
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2

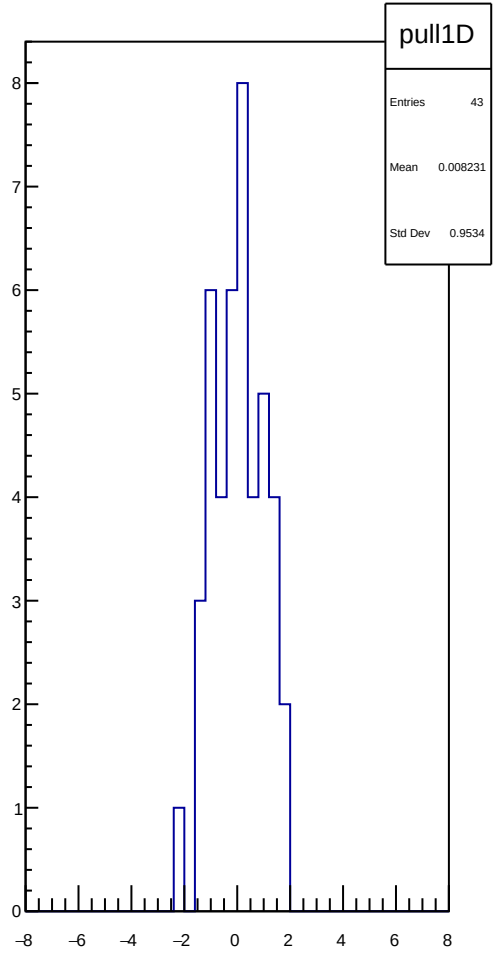

pull1D
Entries 43
Mean 0.008231
Std Dev 0.9534
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

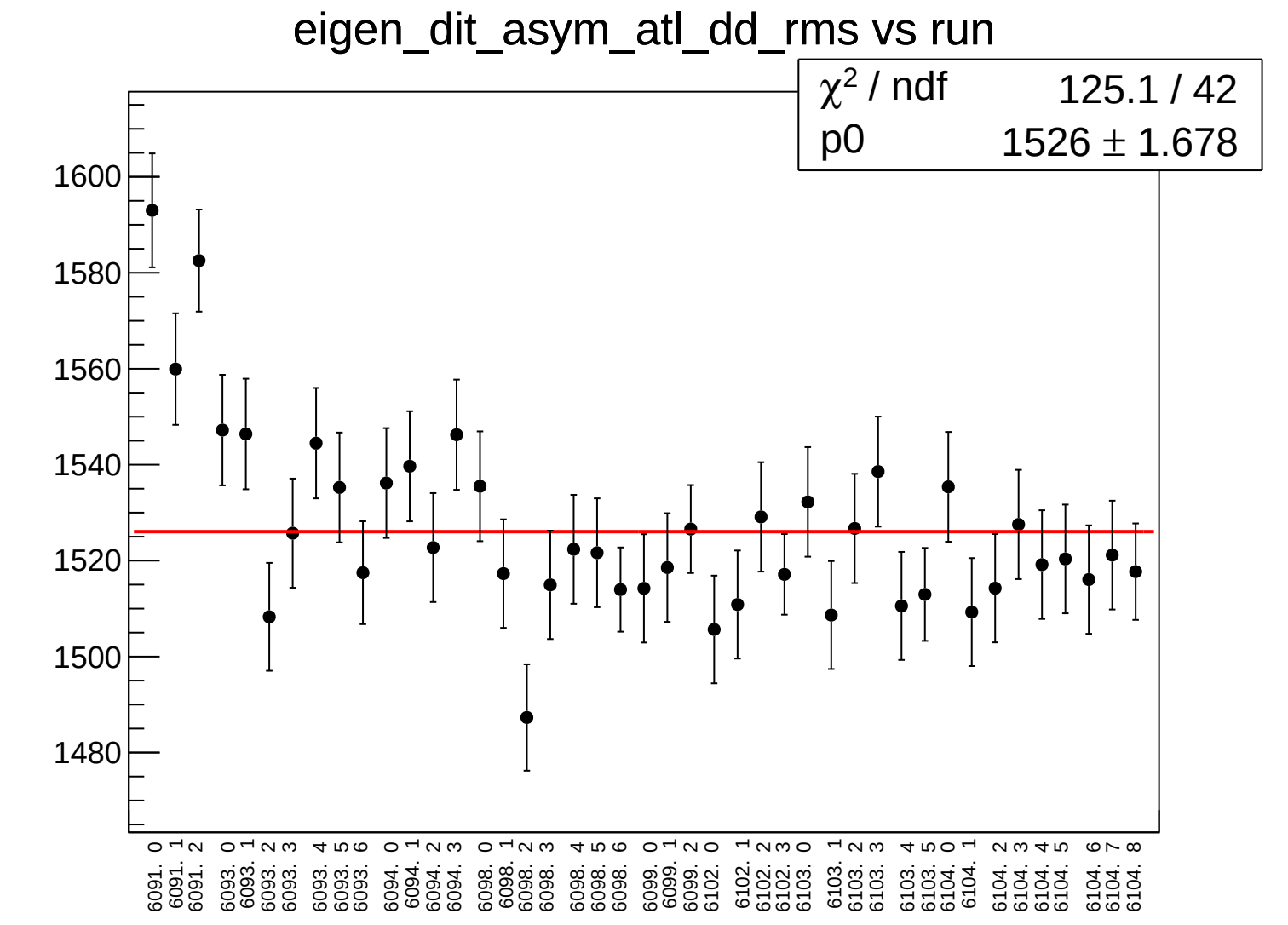

dit_asym_atl_dd_rms vs run
χ² / ndf 125.1 / 42
p0 1526 ± 1.678
1600
1580
1560
1540
1520
1500
1480
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8


asym_atl_dd_dit_correction_mean vs run
χ² / ndf 44.1 / 42
p0 −2445 ± 3204
80000
60000
40000
20000
0
−20000
−40000
−60000
−80000
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 30.24
Std Dev 0
3
2
1
0
−1
−2
pull1D
Entries 43
Mean −0.0131
Std Dev 1.013
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


asym_atl_dd_dit_correction_rms vs run
χ² / ndf 4217 / 42
p0 2056 ± 2.266
2400
2300
2200
2100
2000
1900
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8


eigen_dit_asym_atl_dd_mean vs run
χ² / ndf 39.09 / 42
p0 2653 ± 2372
40000
20000
0
−20000
−40000
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean −106.3
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2


pull1D
Entries 43
Mean 0.008231
Std Dev 0.9534
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


eigen_dit_asym_atl_dd_rms vs run
χ² / ndf 125.1 / 42
p0 1526 ± 1.678
1600
1580
1560
1540
1520
1500
1480
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
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6104. 2
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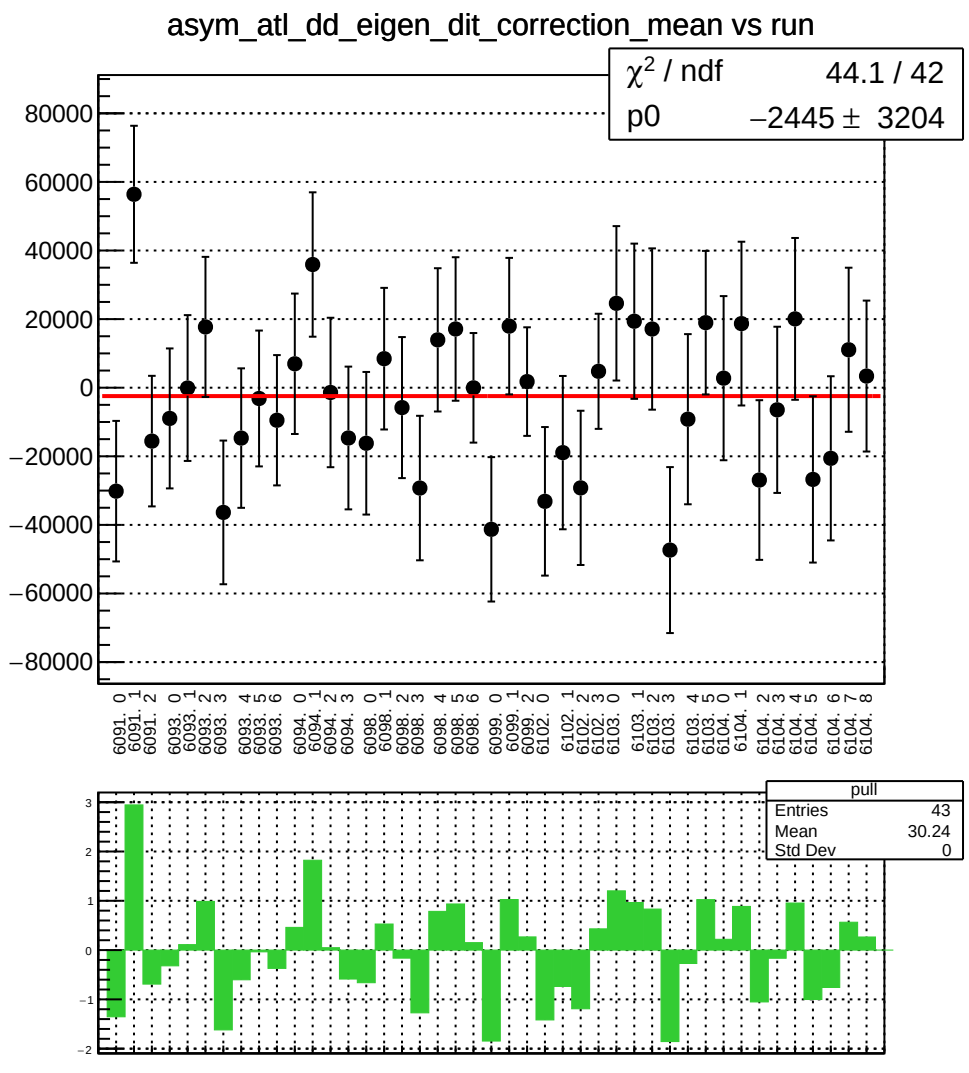
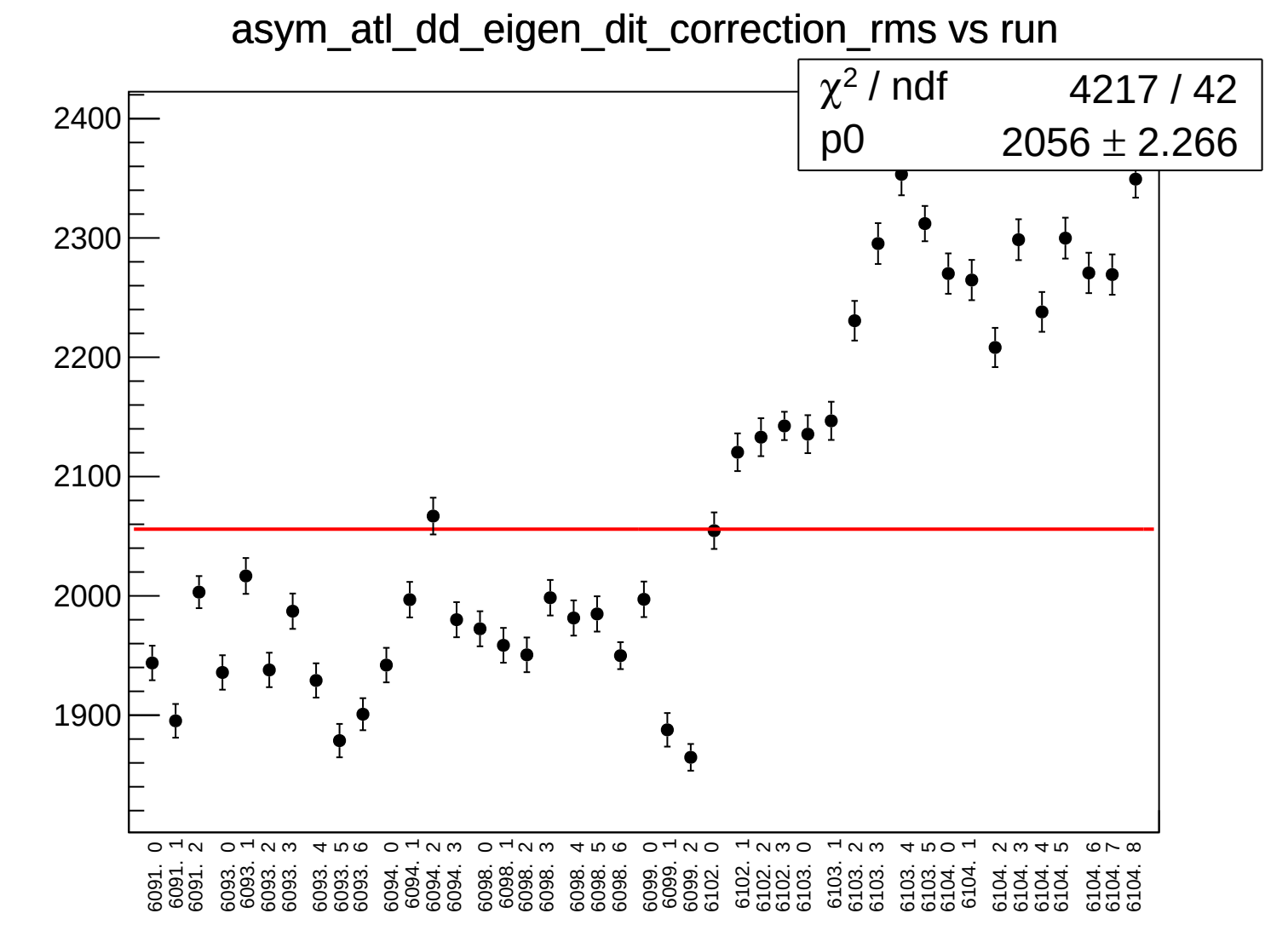
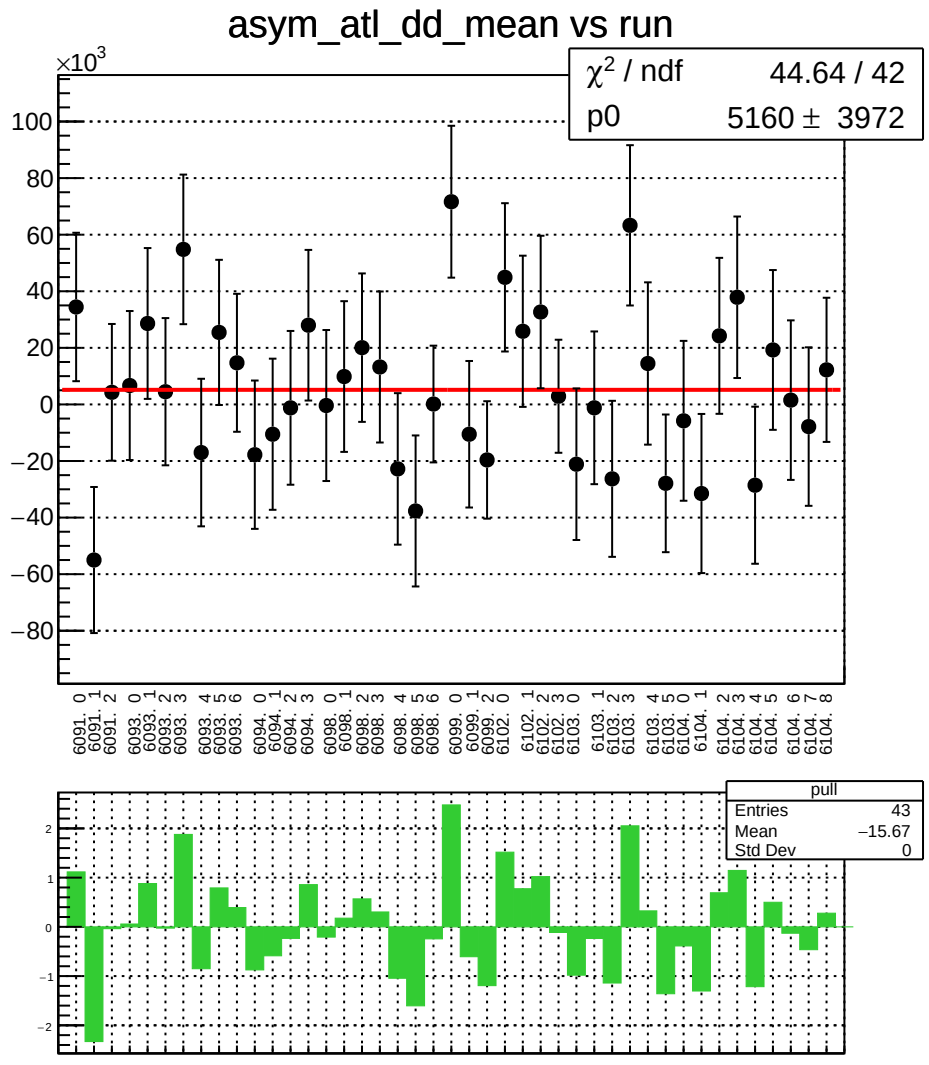
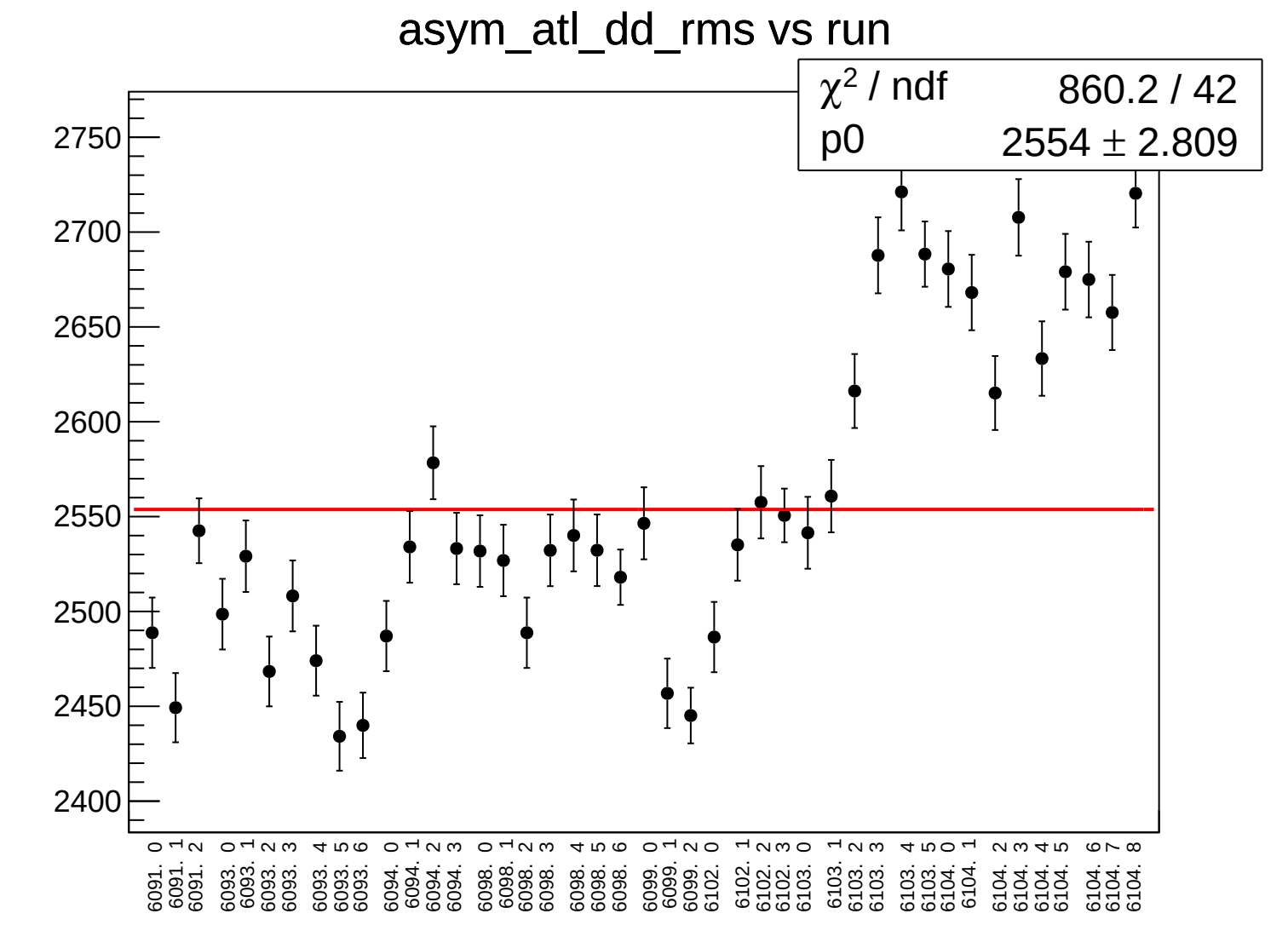
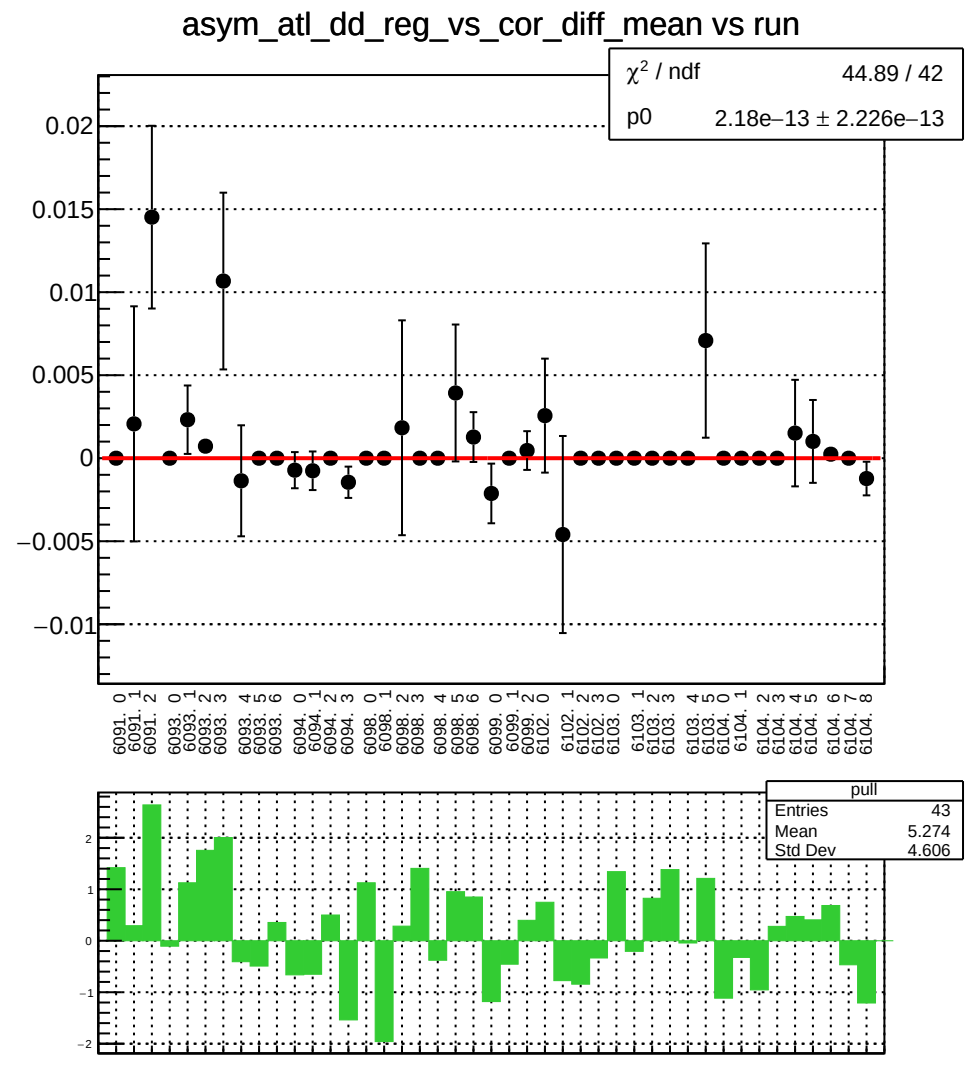
6104. 6
6104. 7
6104. 8

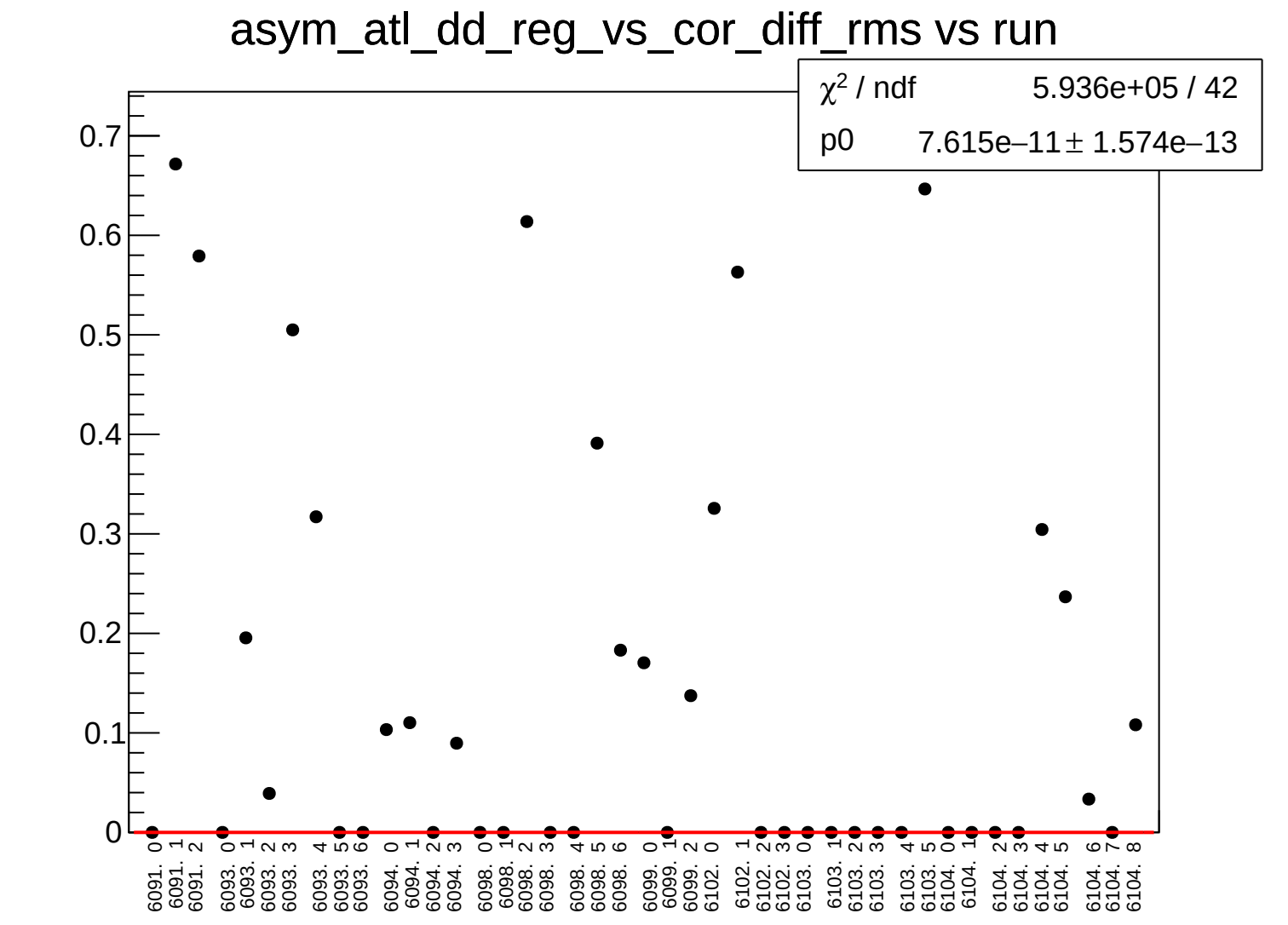

asym_atl_dd_eigen_dit_correction_mean vs run
χ² / ndf 44.1 / 42
p0 −2445 ± 3204
80000
60000
40000
20000
0
−20000
−40000
−60000
−80000
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 30.24
Std Dev 0
3
2
1
0
−1
−2
pull1D
Entries 43
Mean −0.0131
Std Dev 1.013
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

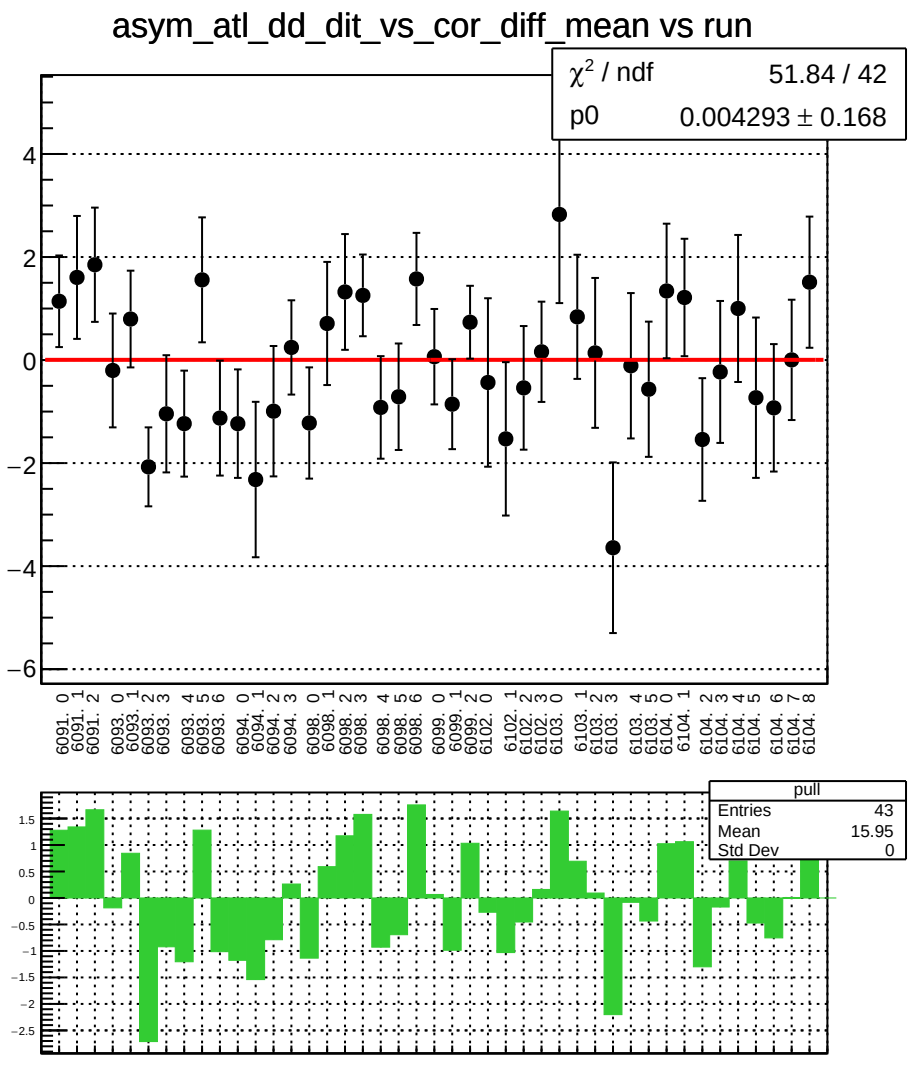

asym_atl_dd_eigen_dit_correction_rms vs run
χ² / ndf 4217 / 42
p0 2056 ± 2.266
2400
2300
2200
2100
2000
1900
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

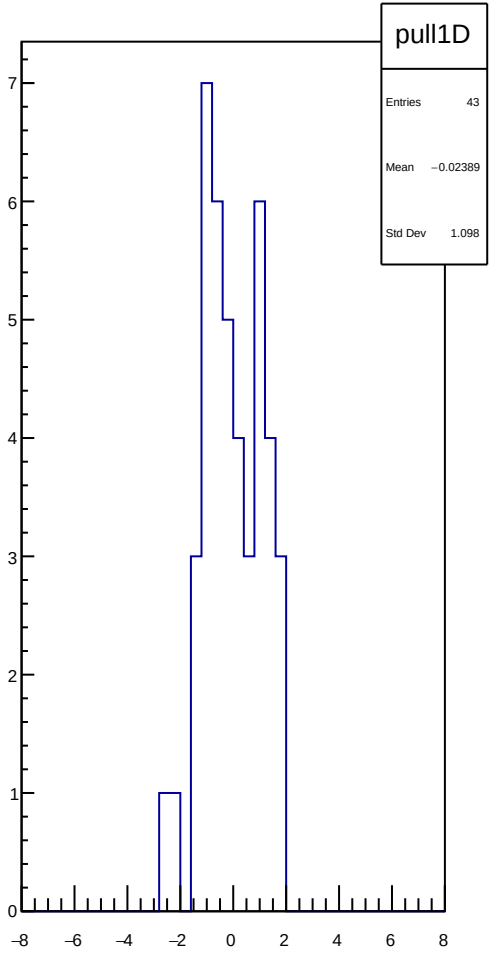

asym_atl_dd_mean vs run
×10^3
χ² / ndf 44.64 / 42
p0 5160 ± 3972
100
80
60
40
20
0
−20
−40
−60
−80
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean −15.67
Std Dev 0
2
1
0
−1
−2
pull1D
Entries 43
Mean 0.01476
Std Dev 1.019
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

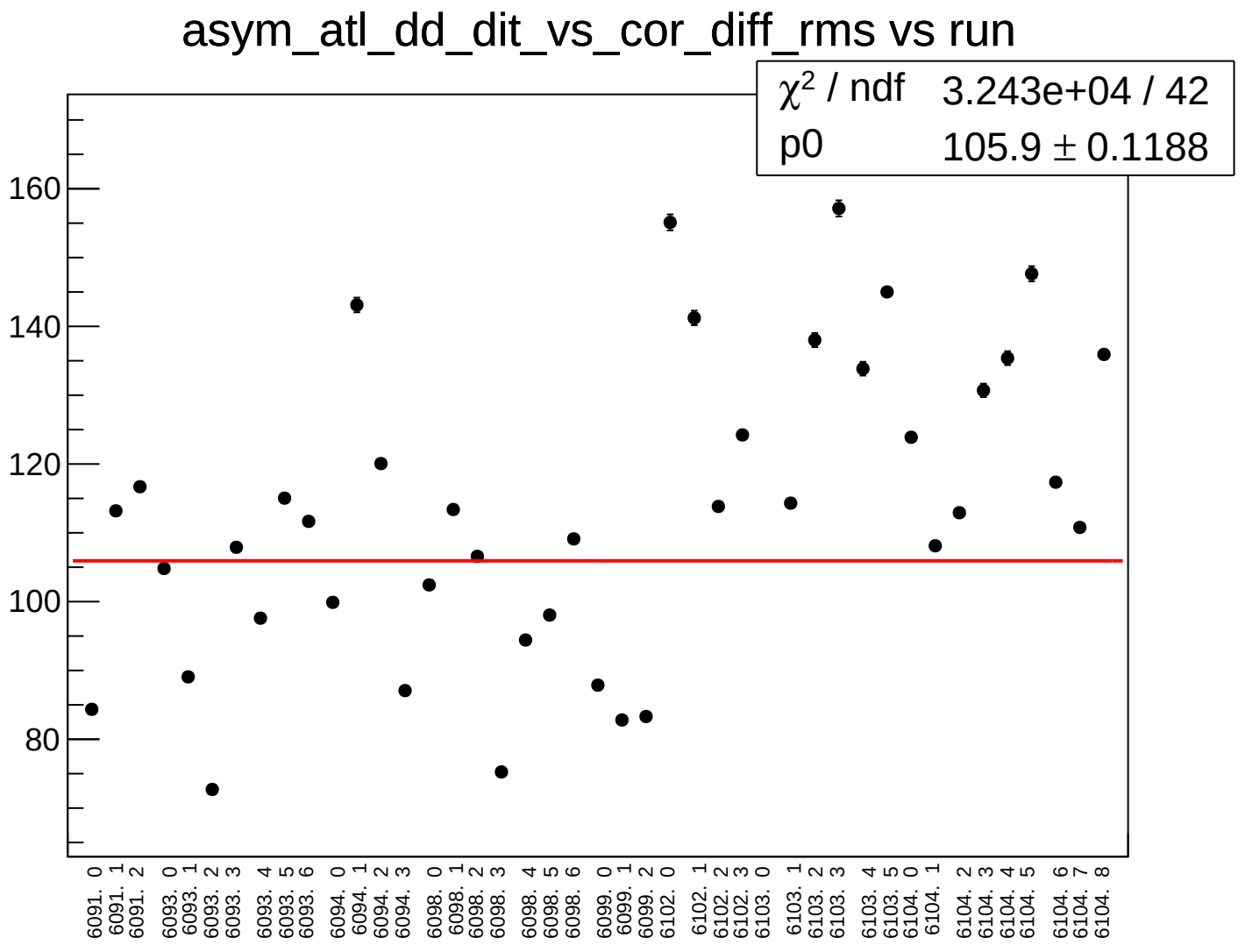

asym_atl_dd_rms vs run
χ² / ndf 860.2 / 42
p0 2554 ± 2.809
2750
2700
2650
2600
2550
2500
2450
2400
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

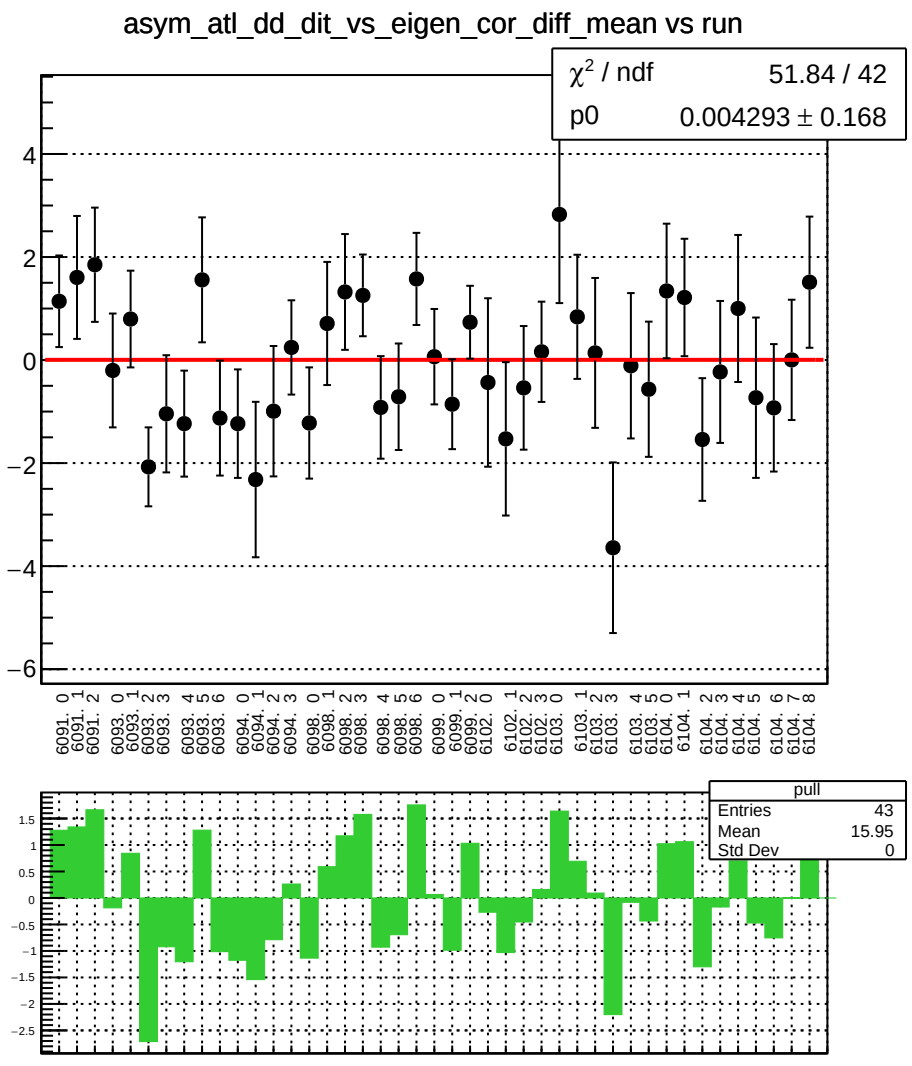

asym_atl_dd_reg_vs_cor_diff_mean vs run
χ² / ndf 44.89 / 42
p0 2.18e−13 ± 2.226e−13
0.02
0.015
0.01
0.005
0
−0.005
−0.01
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 5.274
Std Dev 4.606
2
1
0
−1
−2
pull1D
Entries 43
Mean 0.1942
Std Dev 1.003
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

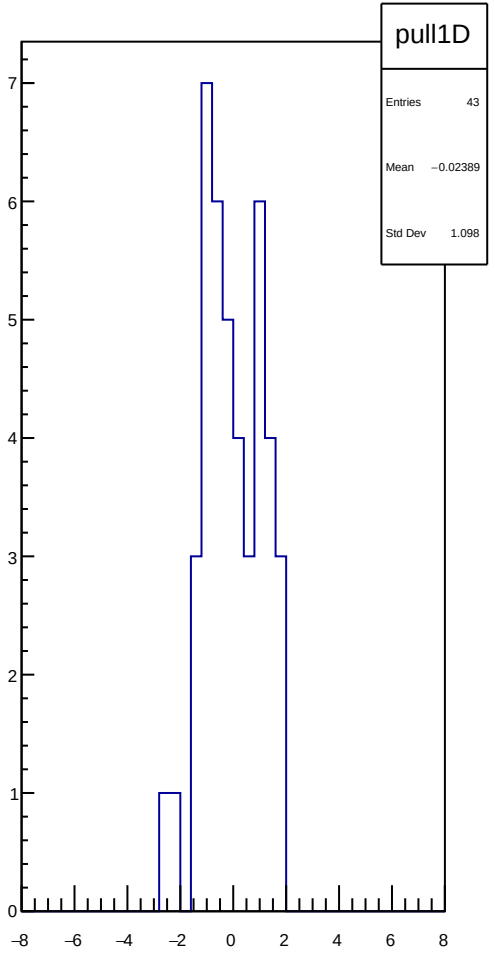

asym_atl_dd_reg_vs_cor_diff_rms vs run
χ² / ndf 5.936e+05 / 42
p0 7.615e−11 ± 1.574e−13
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

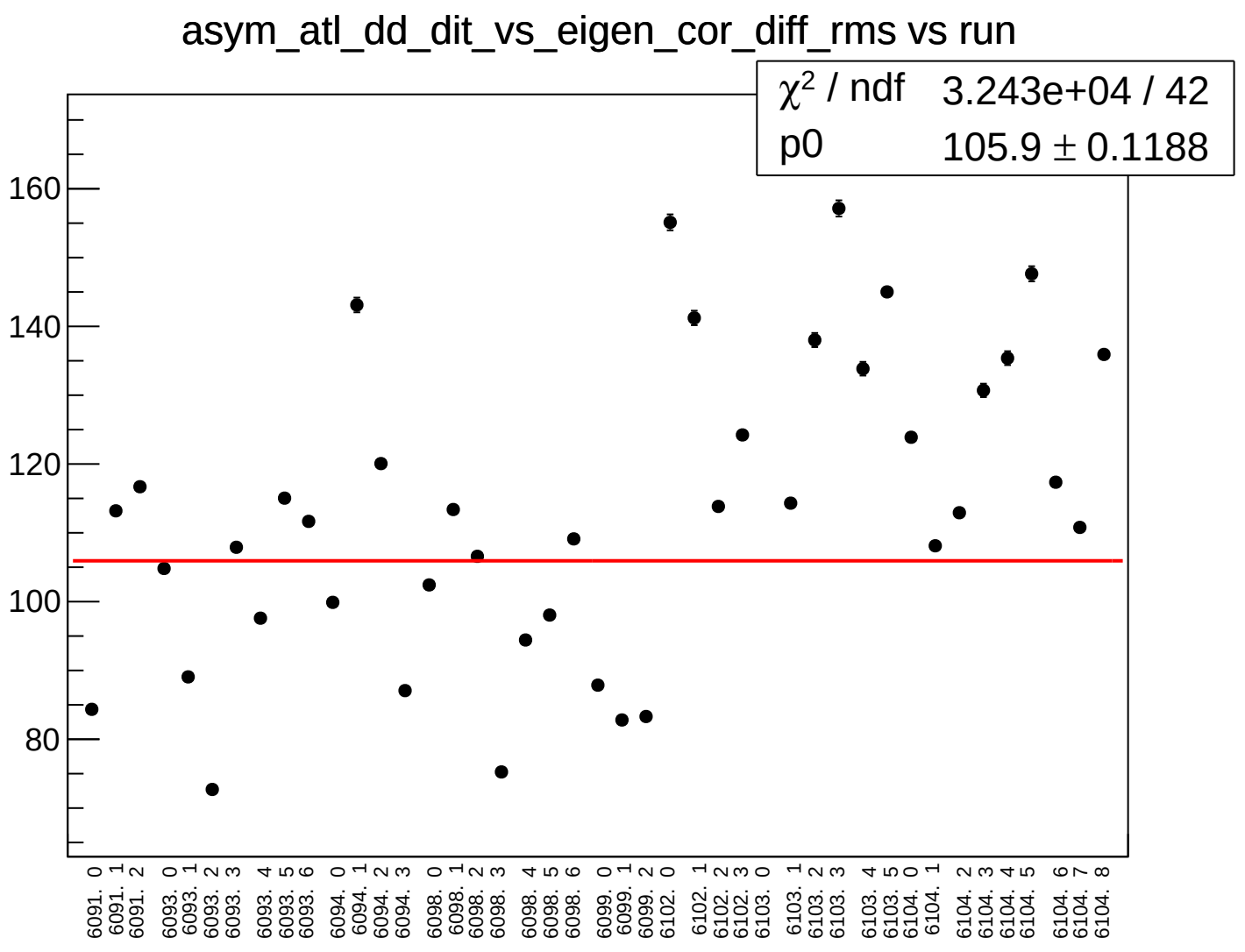

asym_atl_dd_dit_vs_cor_diff_mean vs run
χ² / ndf 51.84 / 42
p0 0.004293 ± 0.168
pull
Entries 43
Mean 15.95
Std Dev 0

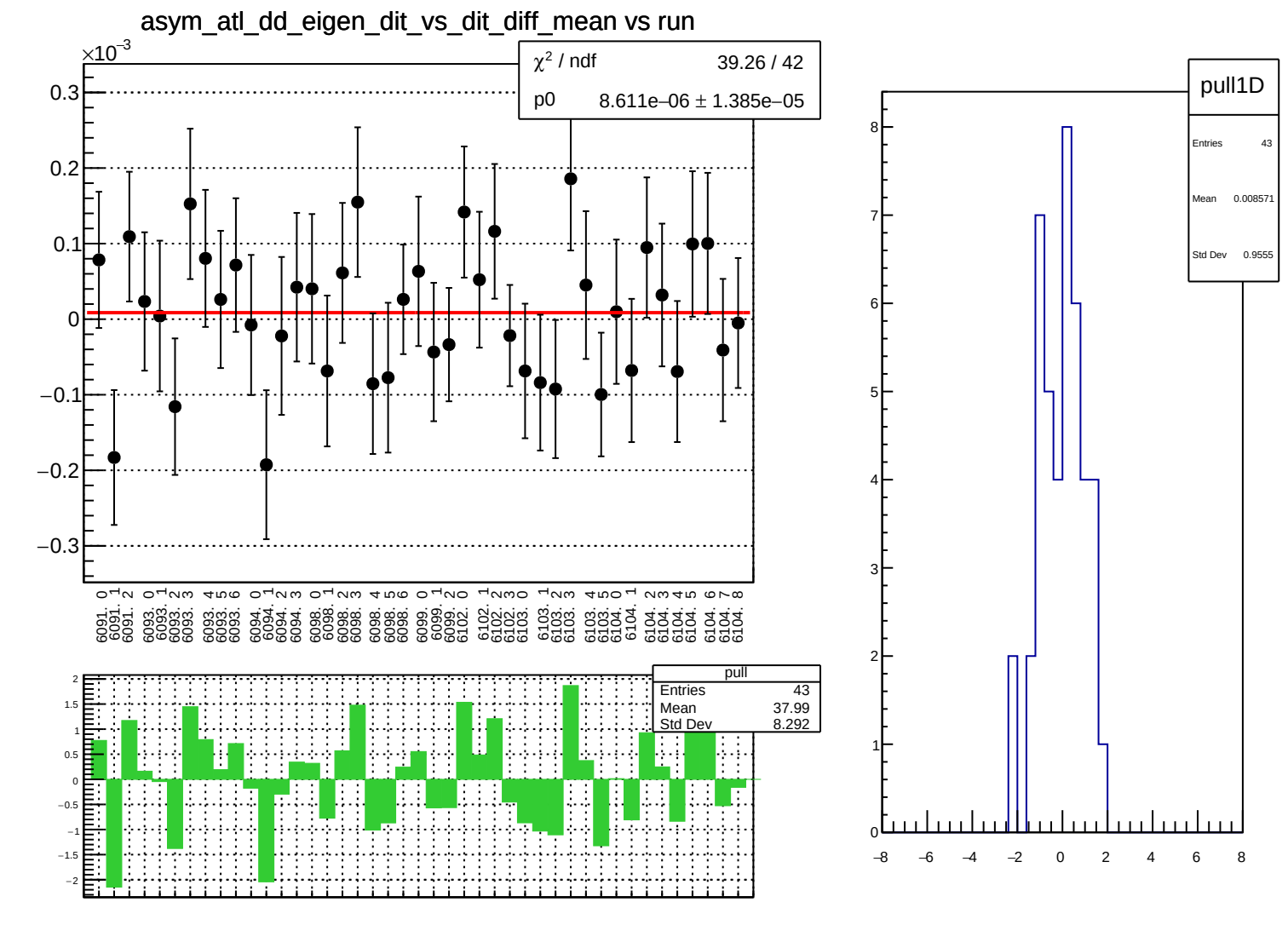

pull1D
Entries 43
Mean −0.02389
Std Dev 1.098

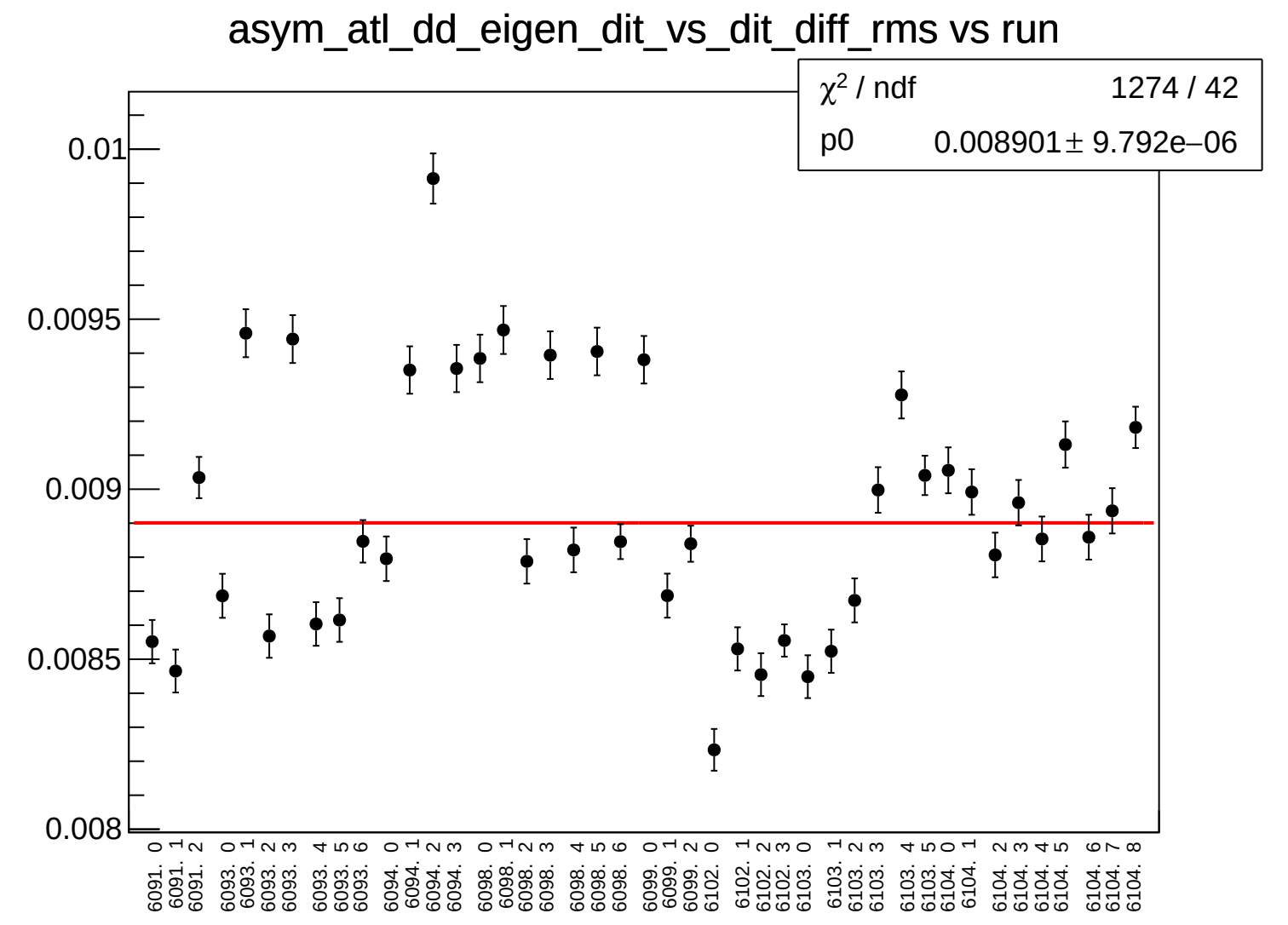

asym_atl_dd_dit_vs_cor_diff_rms vs run
χ² / ndf 3.243e+04 / 42
p0 105.9 ± 0.1188
160
140
120
100
80
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

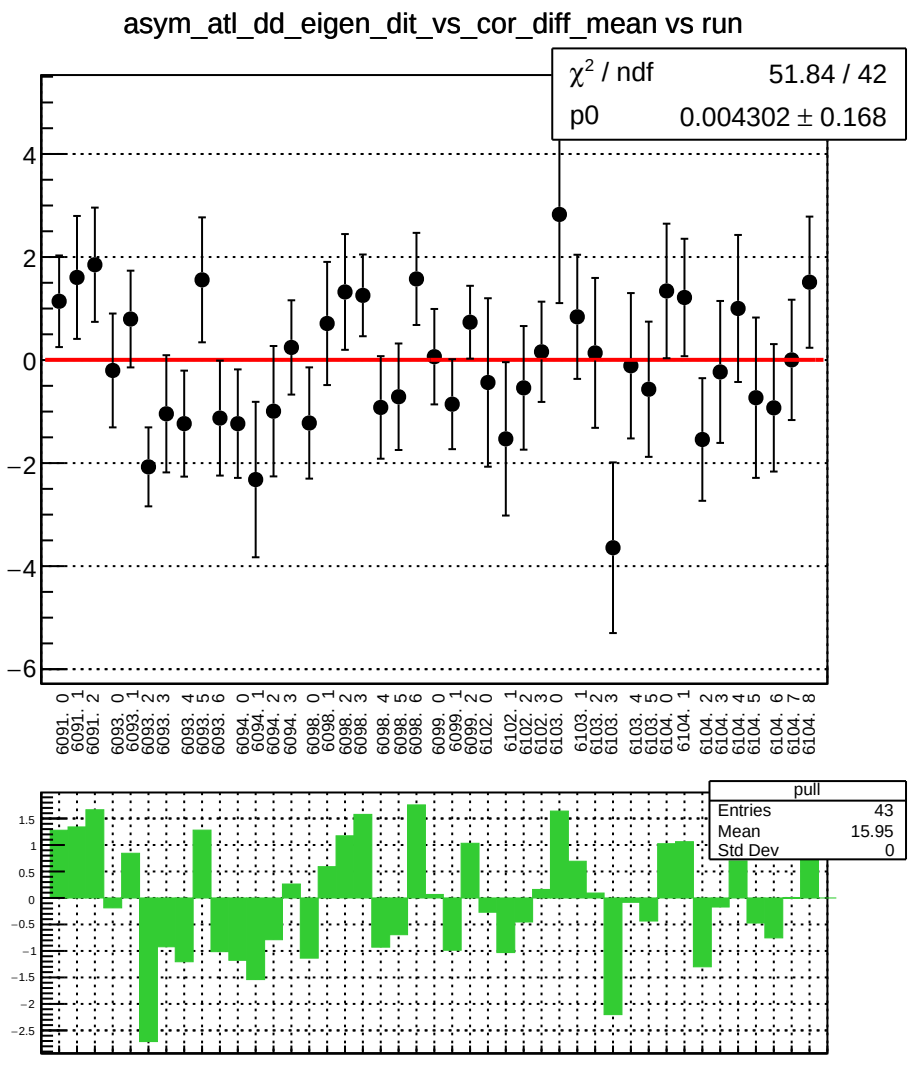

asym_atl_dd_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 51.84 / 42
p0 0.004293 ± 0.168
pull
Entries 43
Mean 15.95
Std Dev 0

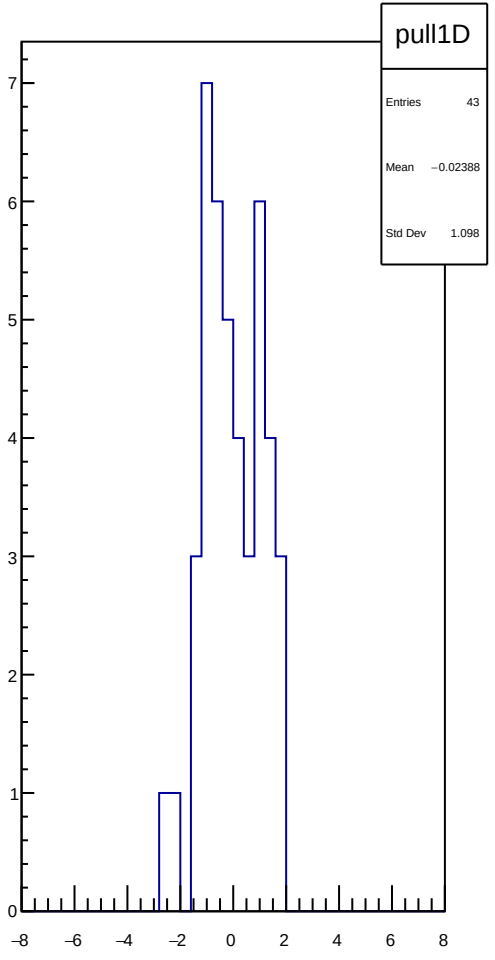

pull1D
Entries 43
Mean −0.02389
Std Dev 1.098

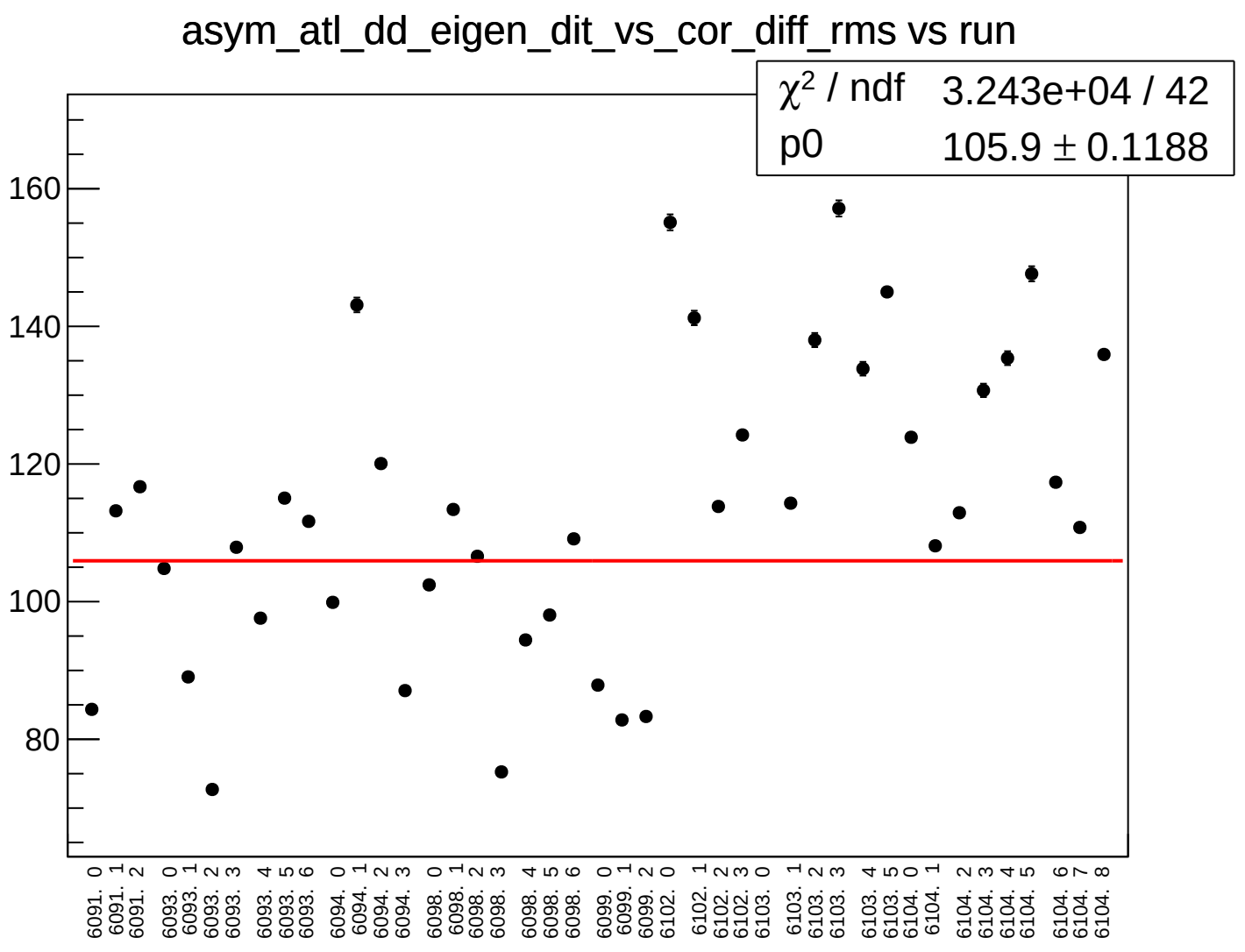

asym_atl_dd_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 3.243e+04 / 42
p0 105.9 ± 0.1188
160
140
120
100
80
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

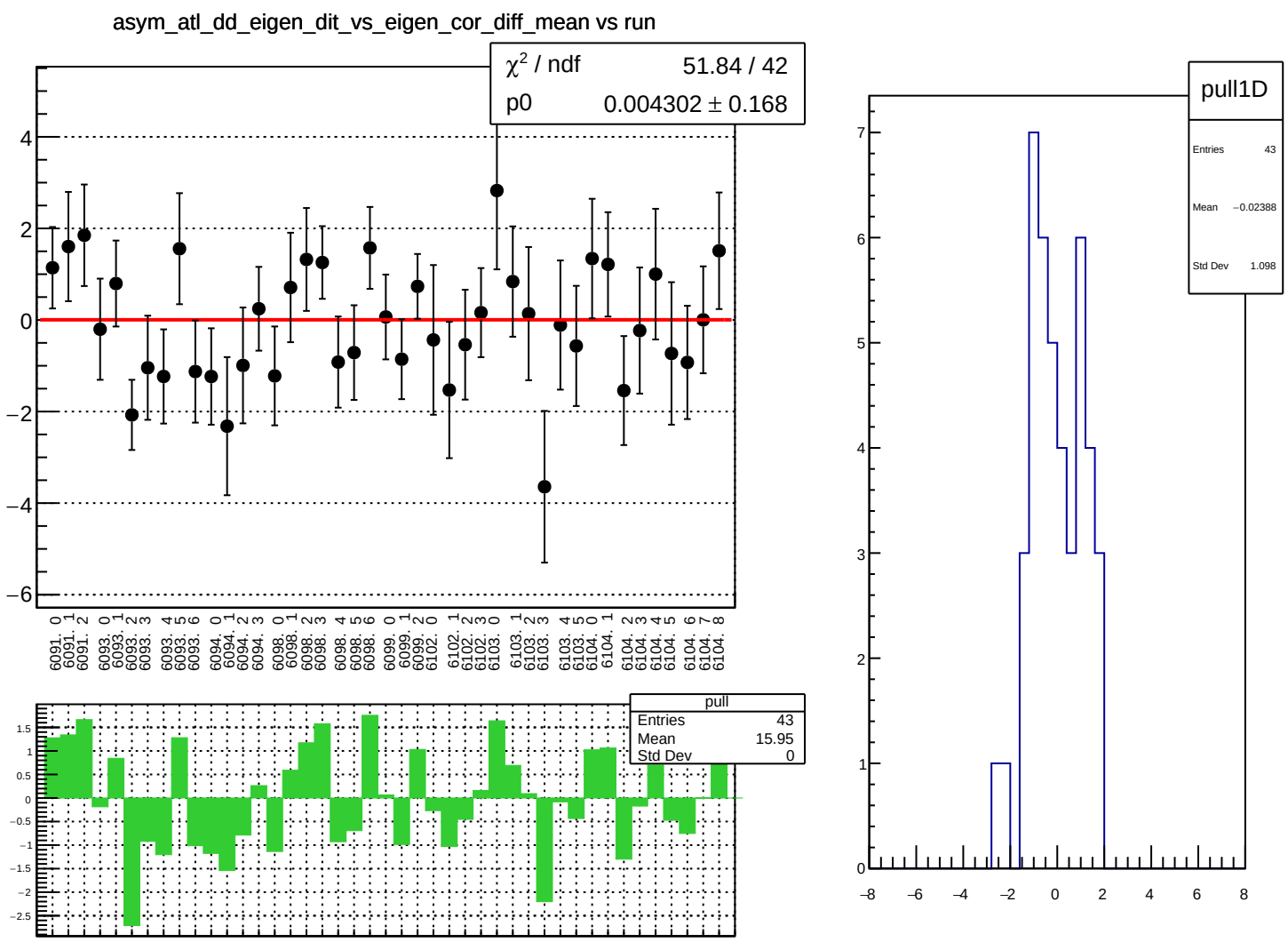

asym_atl_dd_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 39.26 / 42
p0 8.611e−06 ± 1.385e−05
0.3
0.2
0.1
0
−0.1
−0.2
−0.3
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 37.99
Std Dev 8.292
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 43
Mean 0.008571
Std Dev 0.9555
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

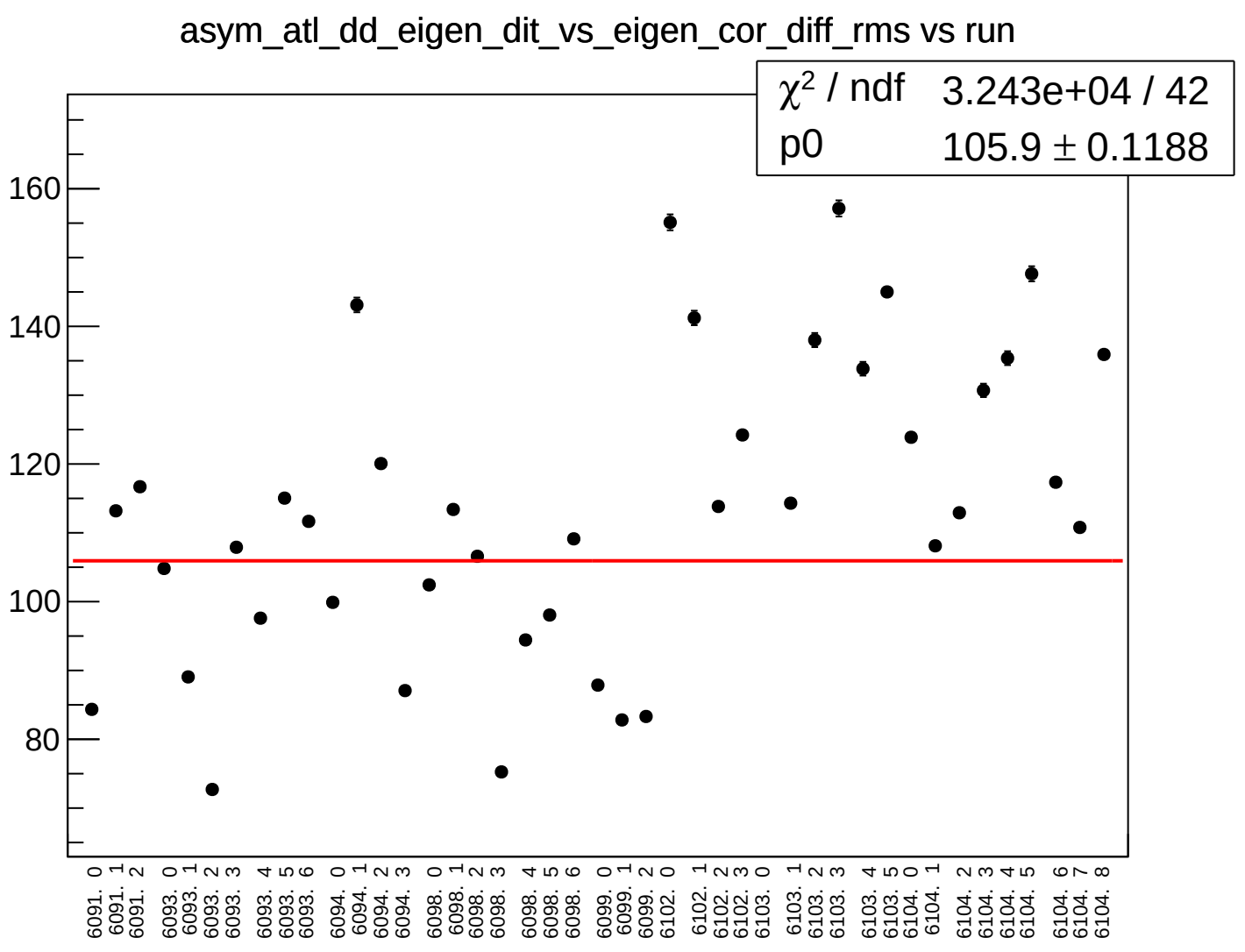

asym_atl_dd_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 1274 / 42
p0 0.008901 ± 9.792e−06
0.01
0.0095
0.009
0.0085
0.008
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8


asym_atl_dd_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 51.84 / 42
p0 0.004302 ± 0.168
pull
Entries 43
Mean 15.95
Std Dev 0

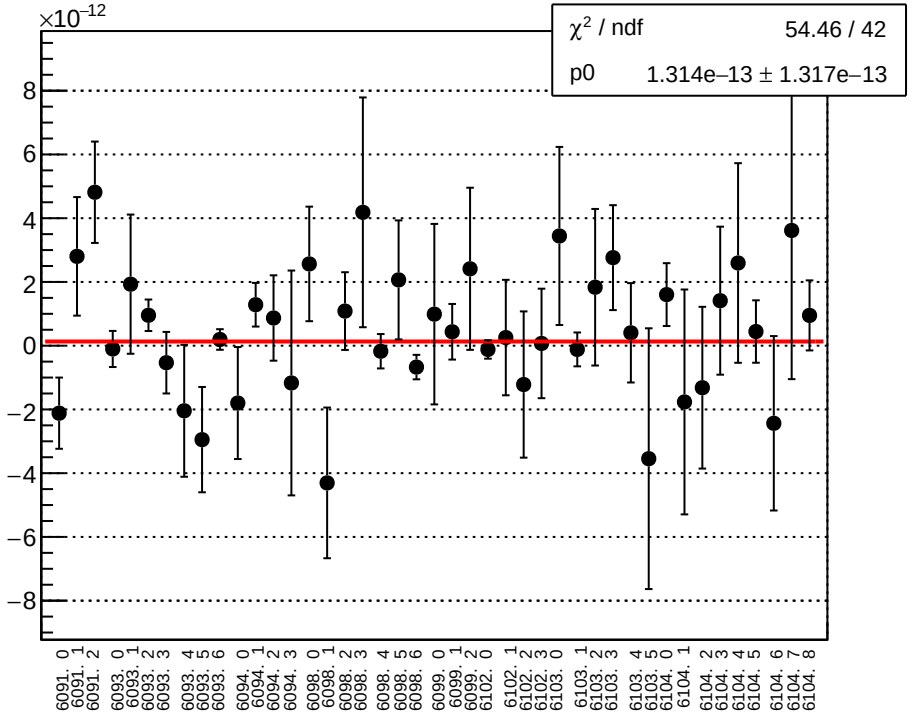

pull1D
Entries 43
Mean −0.02388
Std Dev 1.098

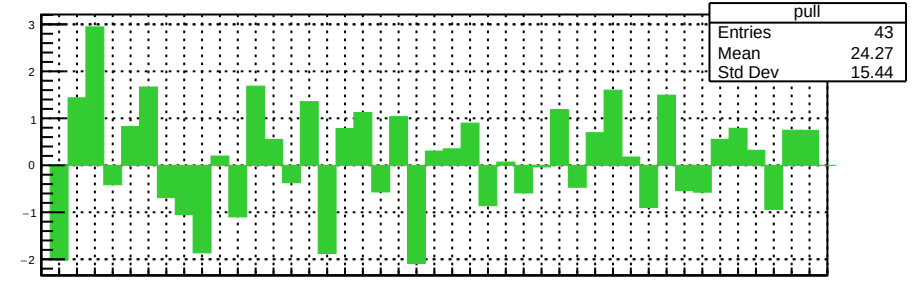

asym_atl_dd_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 3.243e+04 / 42
p0 105.9 ± 0.1188
160
140
120
100
80
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

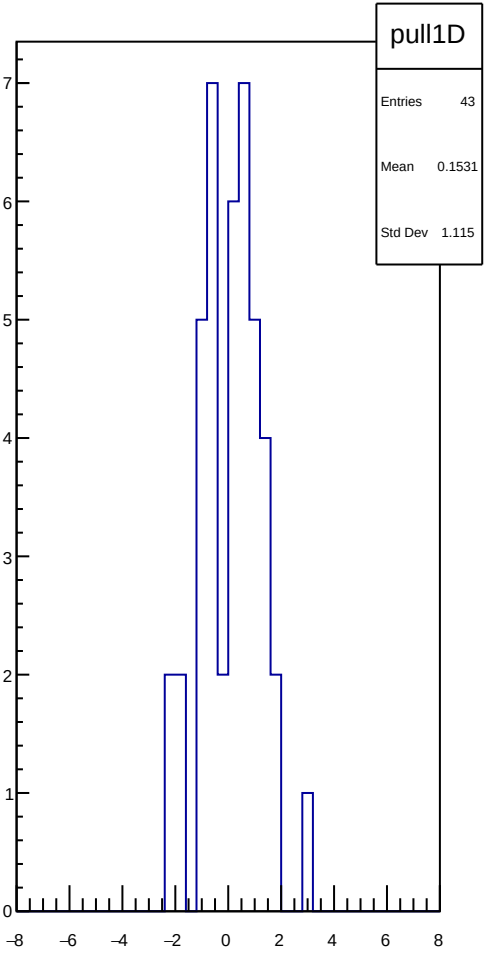

asym_atl_dd_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 51.84 / 42
p0 0.004302 ± 0.168
pull
Entries 43
Mean 15.95
Std Dev 0
pull1D
Entries 43
Mean −0.02388
Std Dev 1.098

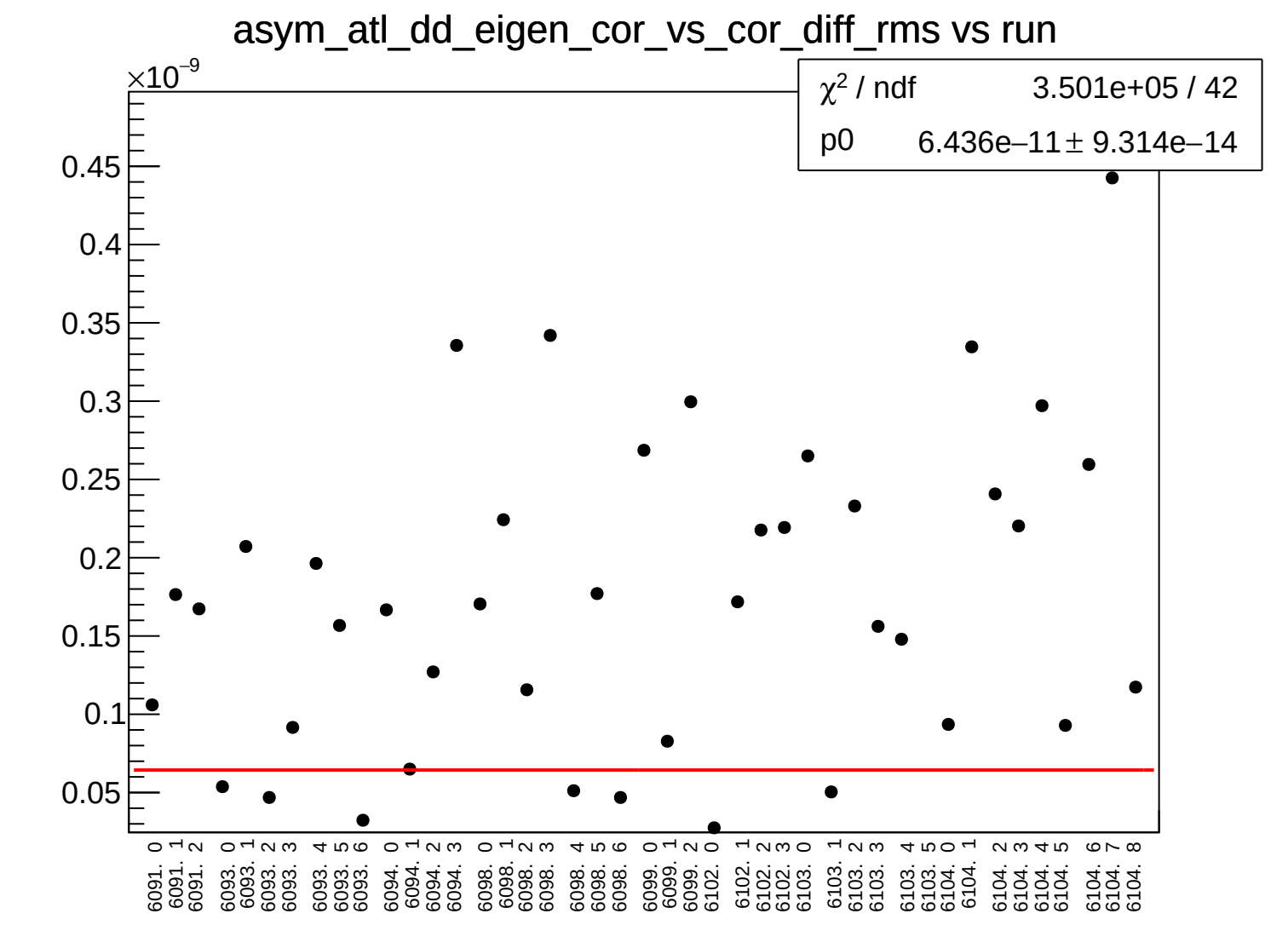

asym_atl_dd_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 3.243e+04 / 42
p0 105.9 ± 0.1188
160
140
120
100
80
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

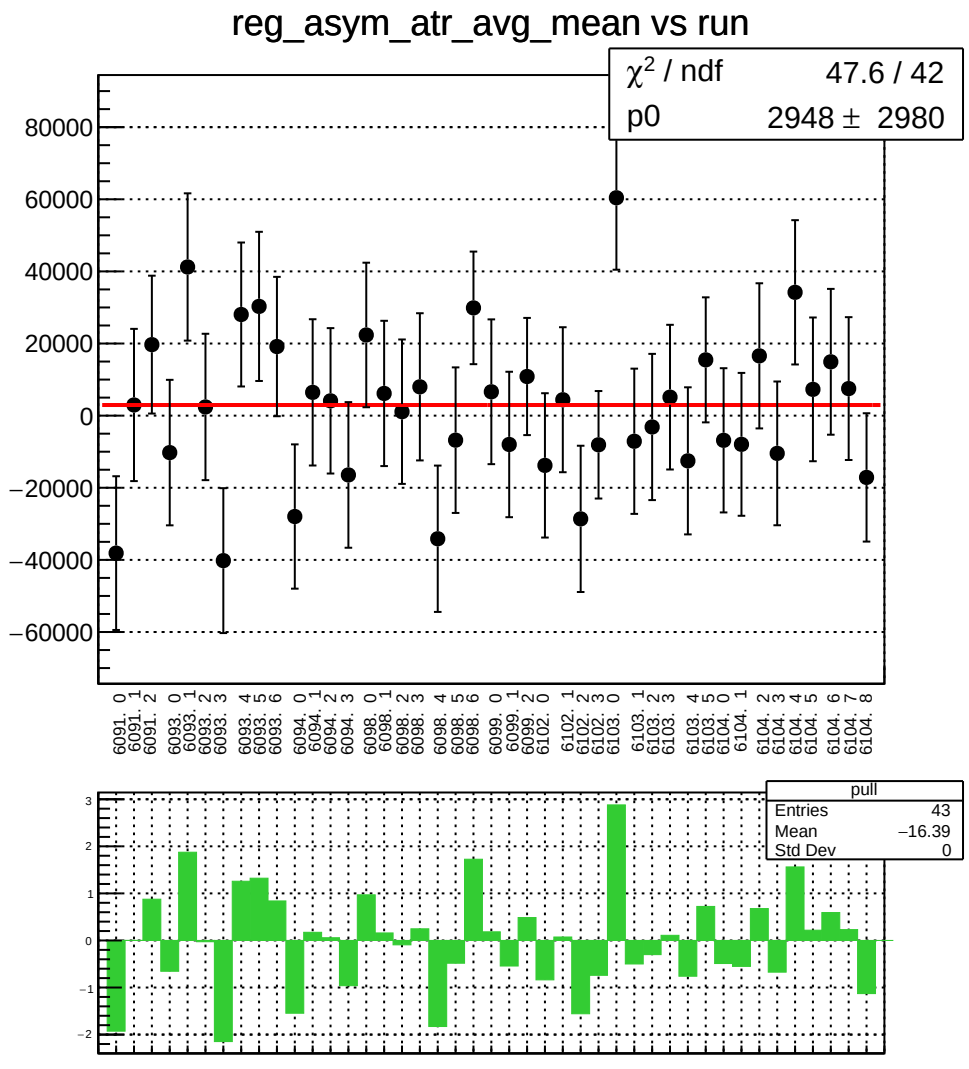
asym_atl_dd_eigen_cor_vs_cor_diff_mean vs run

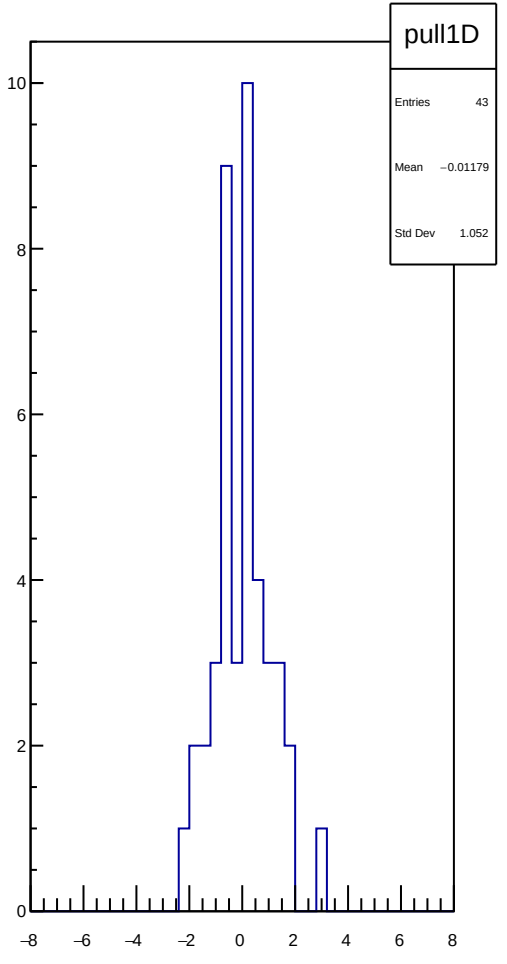


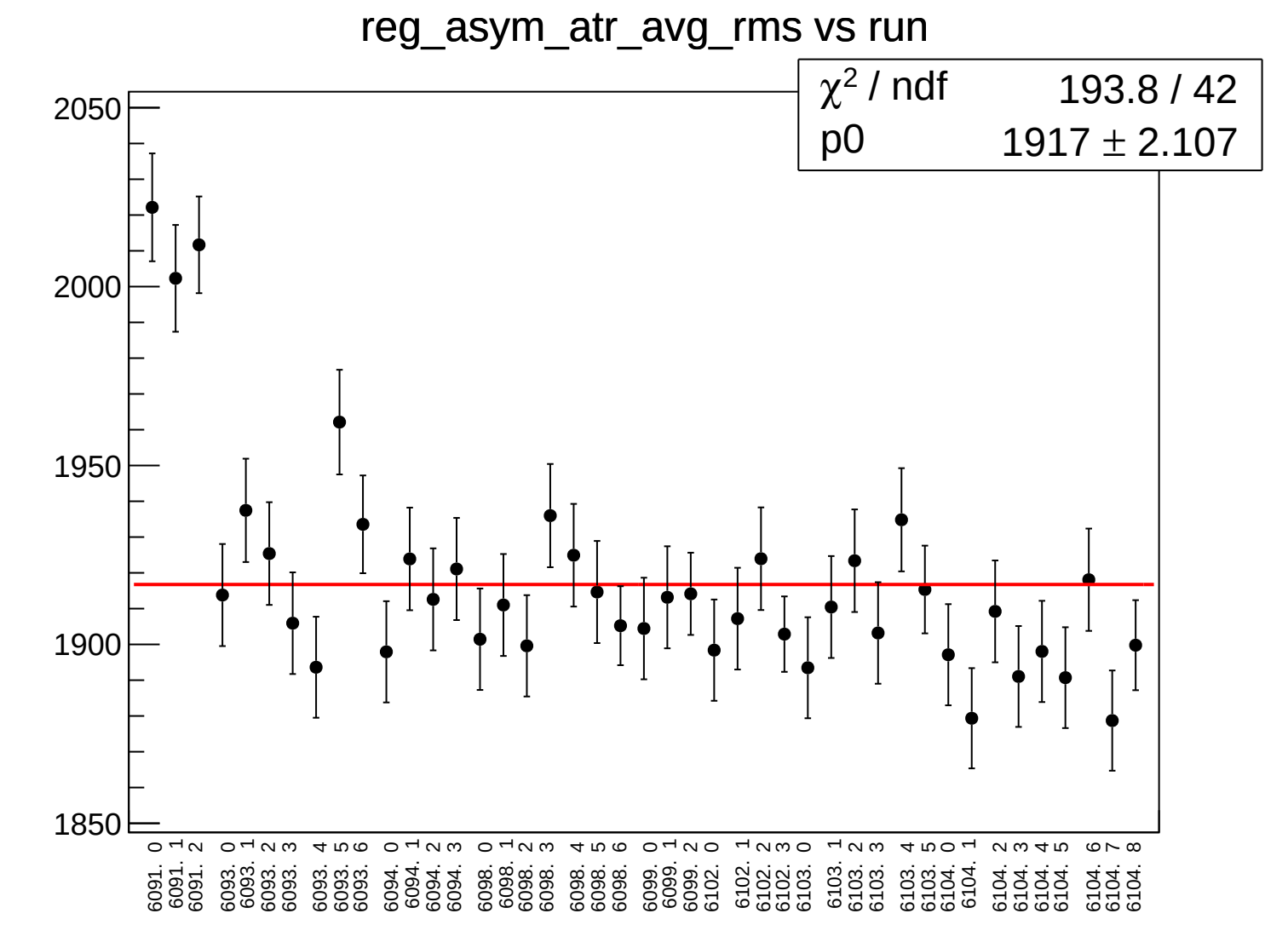


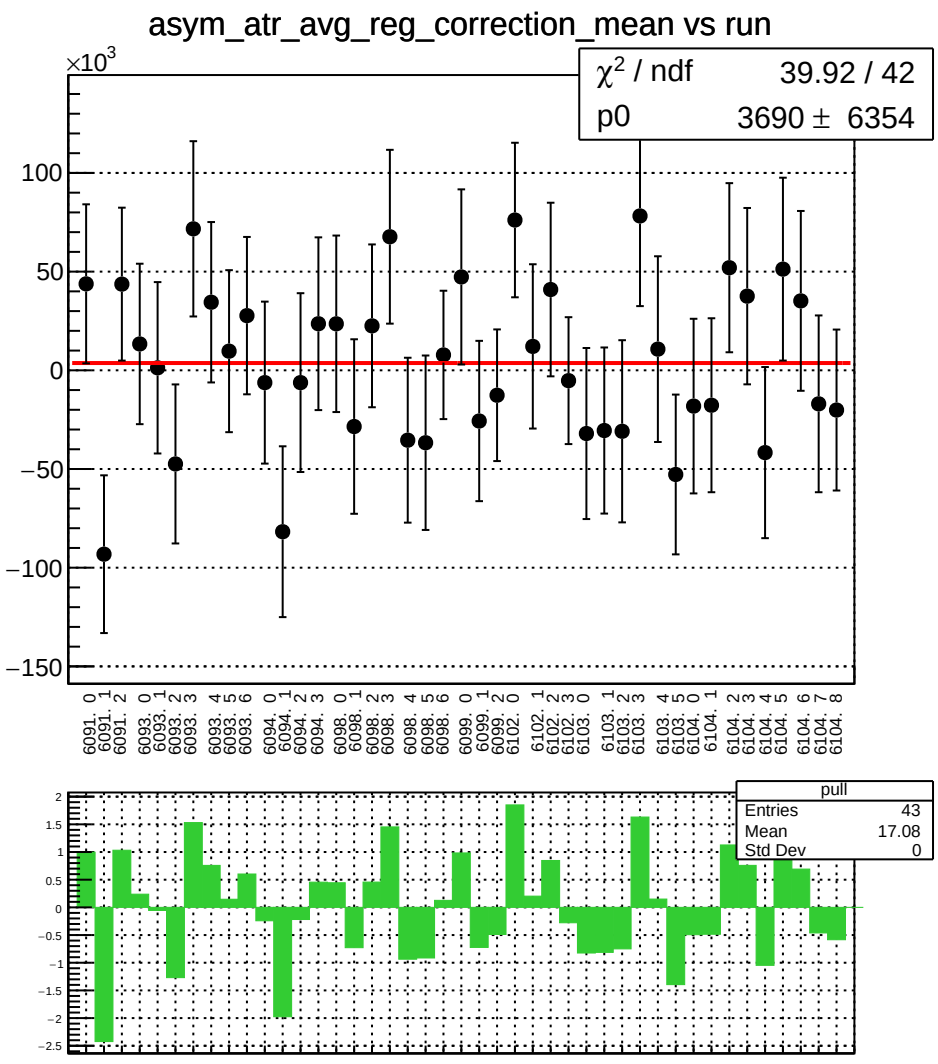


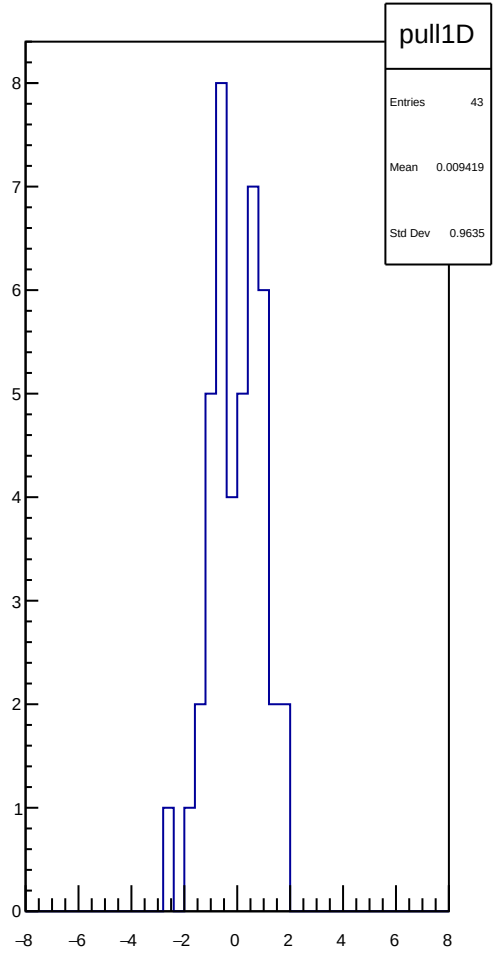

asym_atl_dd_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 3.501e+05 / 42
p0 6.436e−11 ± 9.314e−14
0.45
0.4
0.35
0.3
0.25
0.2
0.15
0.1
0.05
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

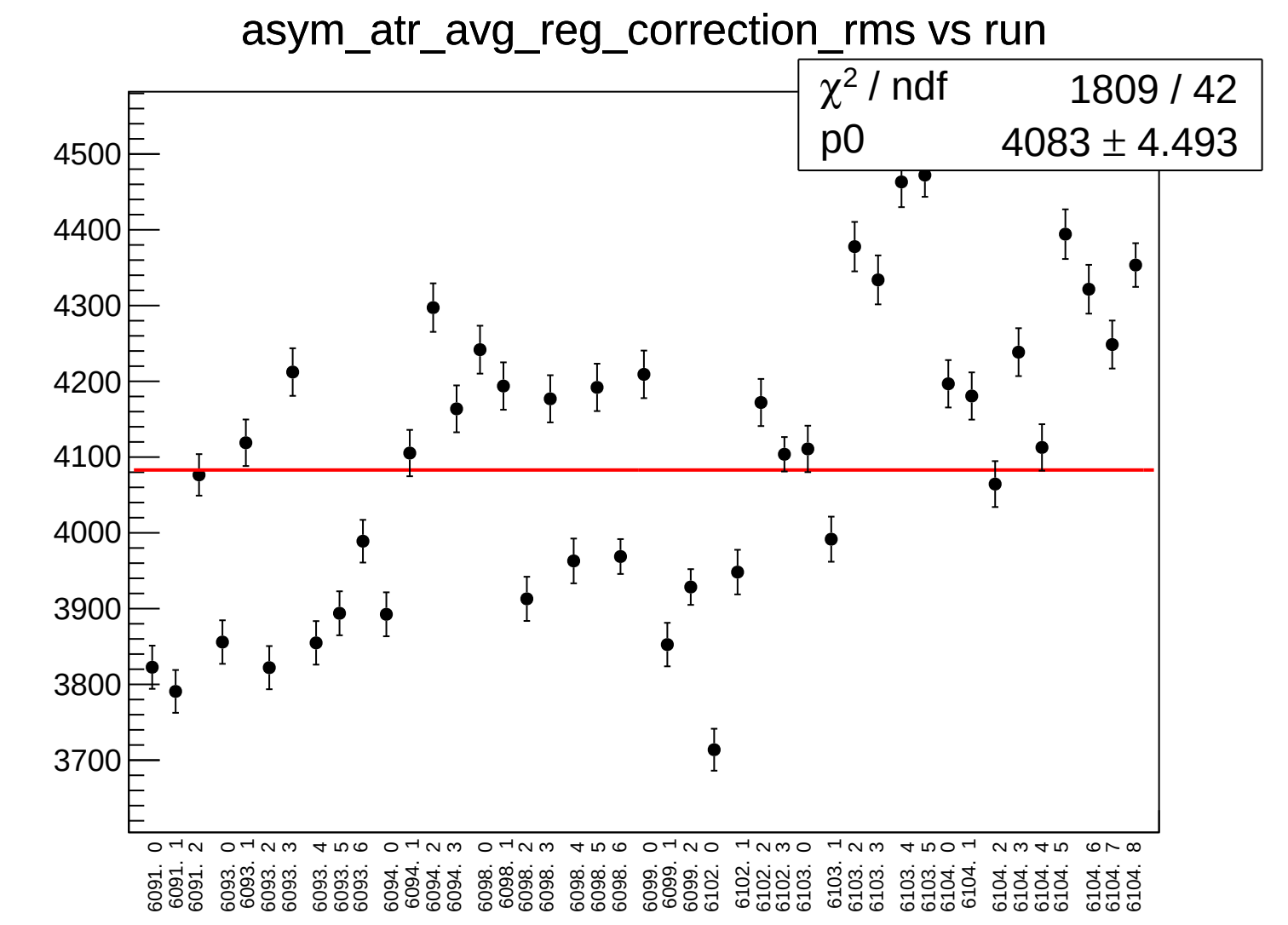

reg_asym_atr_avg_mean vs run
χ² / ndf 47.6 / 42
p0 2948 ± 2980
80000
60000
40000
20000
0
−20000
−40000
−60000
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean −16.39
Std Dev 0
3
2
1
0
−1
−2

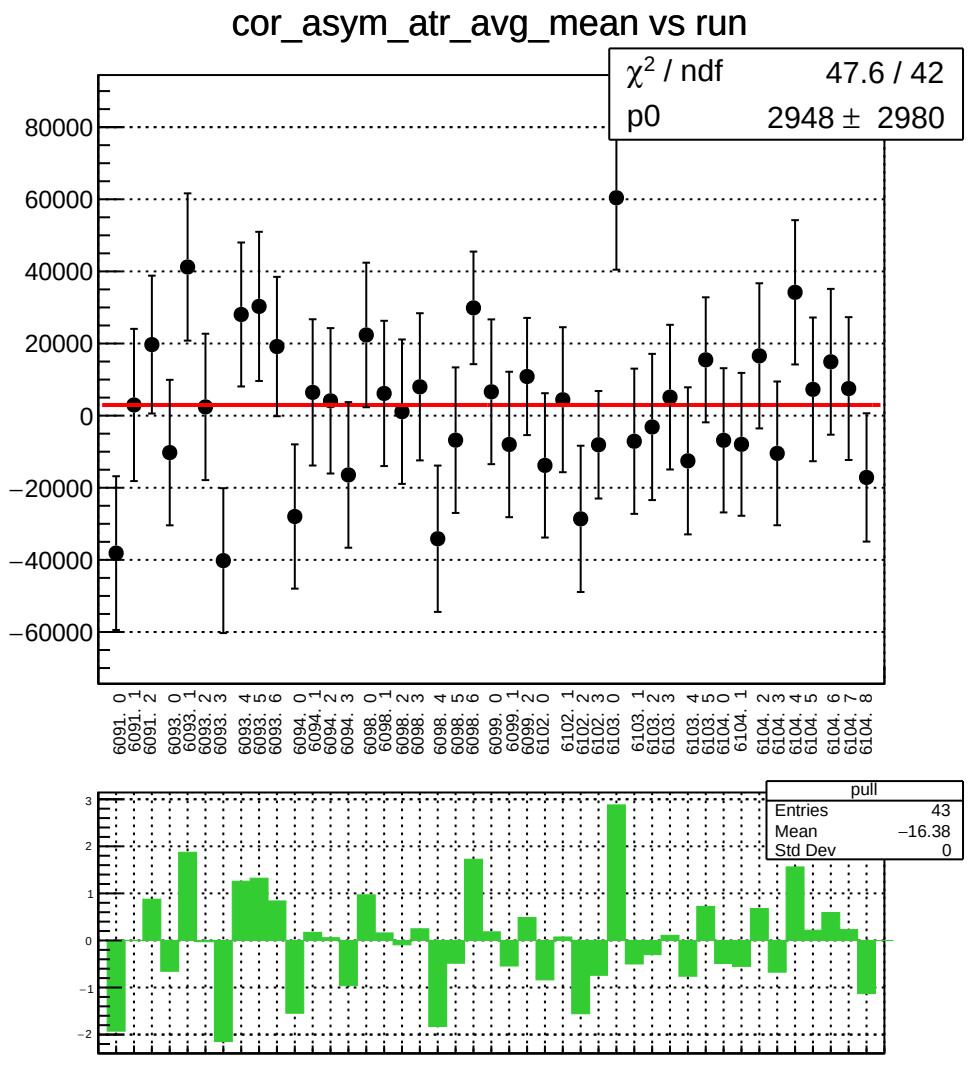

pull1D
Entries 43
Mean −0.01179
Std Dev 1.052
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

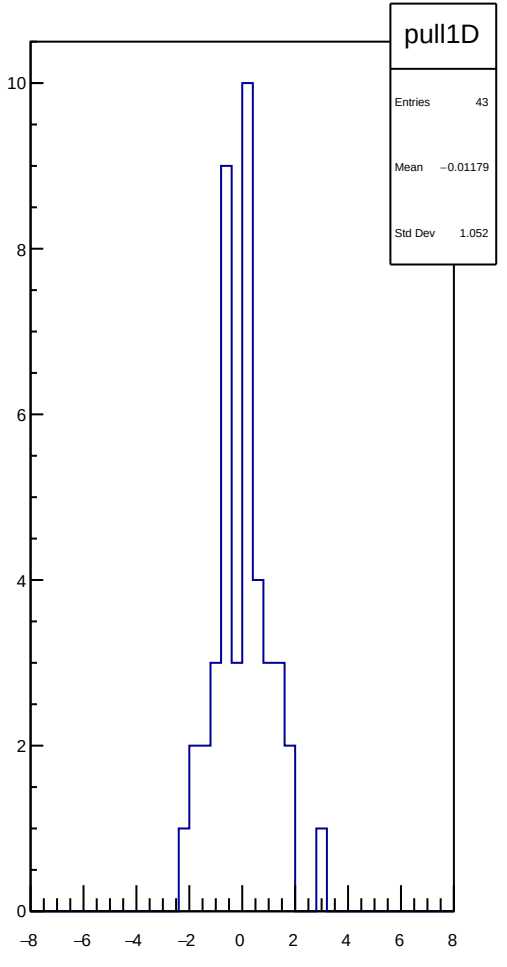

reg_asym_atr_avg_rms vs run
χ² / ndf 193.8 / 42
p0 1917 ± 2.107
2050
2000
1950
1900
1850
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

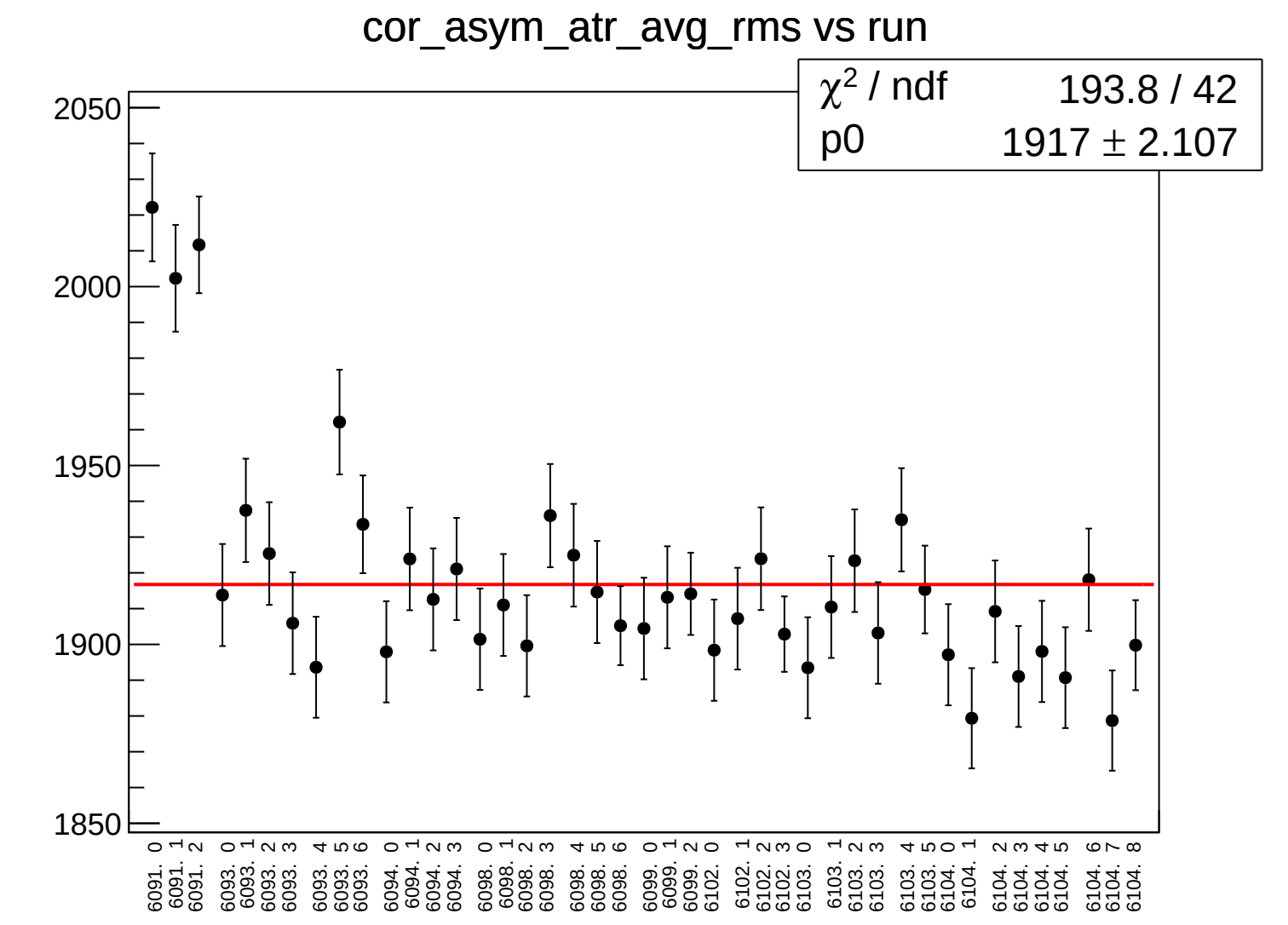

asym_atr_avg_reg_correction_mean vs run
×10^3
χ² / ndf 39.92 / 42
p0 3690 ± 6354
100
50
0
−50
−100
−150
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 17.08
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

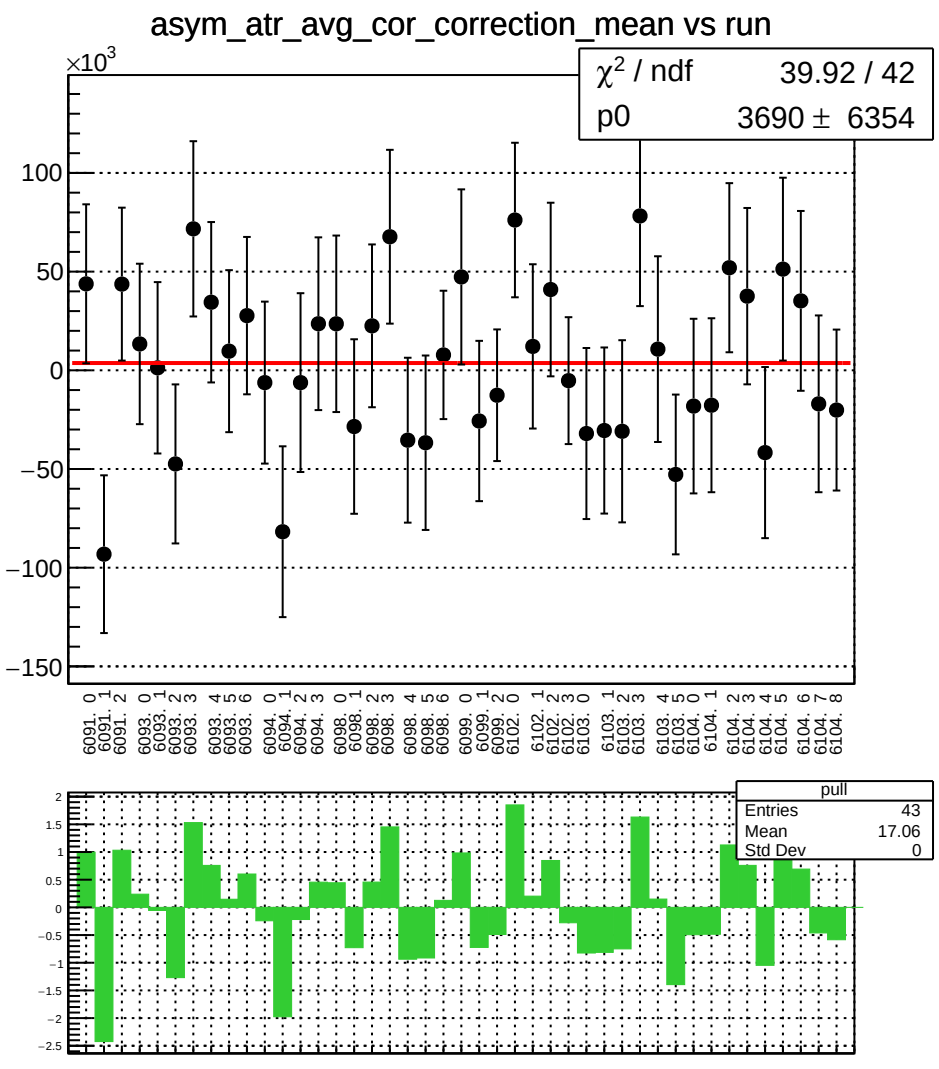

pull1D
Entries 43
Mean 0.009419
Std Dev 0.9635
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

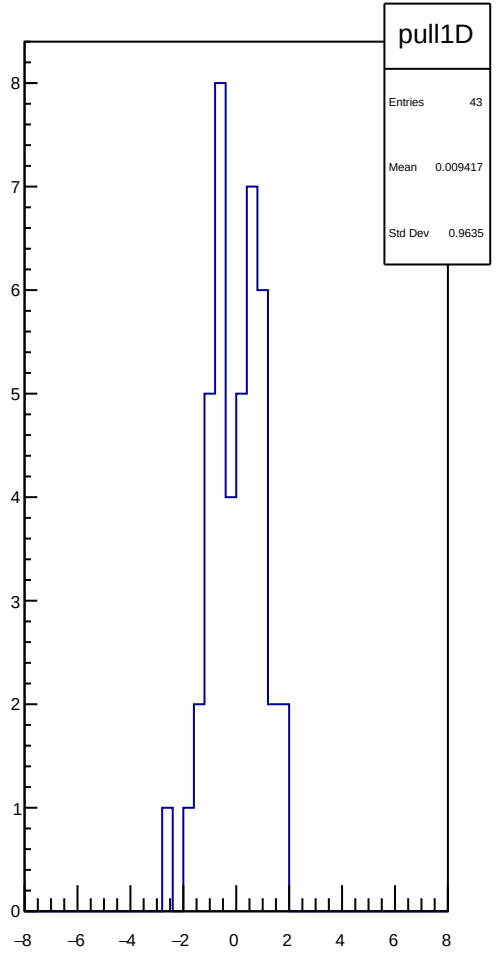

asym_atr_avg_reg_correction_rms vs run
χ² / ndf 1809 / 42
p0 4083 ± 4.493
4500
4400
4300
4200
4100
4000
3900
3800
3700
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

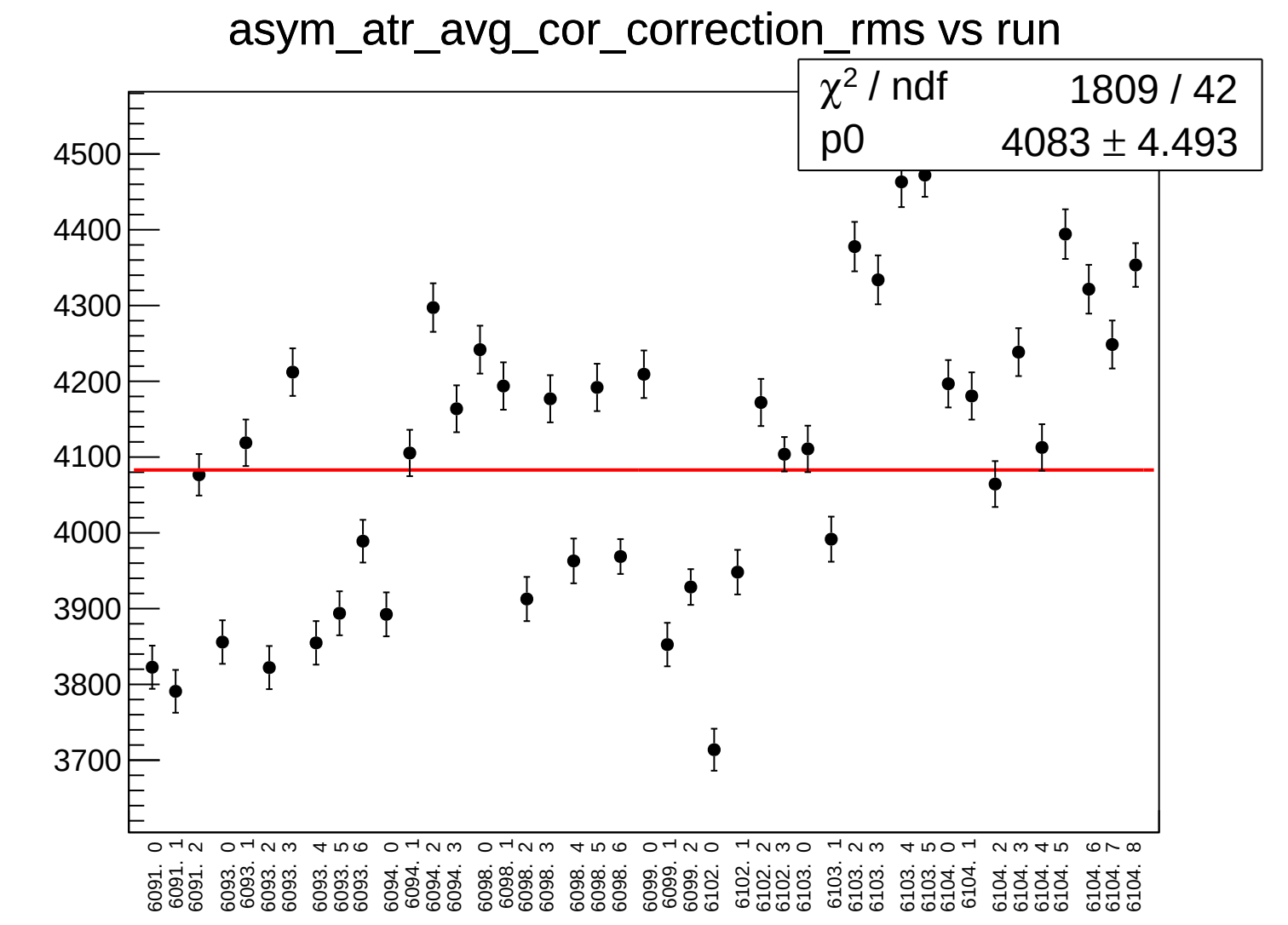

cor_asym_atr_avg_mean vs run
χ² / ndf 47.6 / 42
p0 2948 ± 2980
80000
60000
40000
20000
0
−20000
−40000
−60000
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean −16.38
Std Dev 0
3
2
1
0
−1
−2

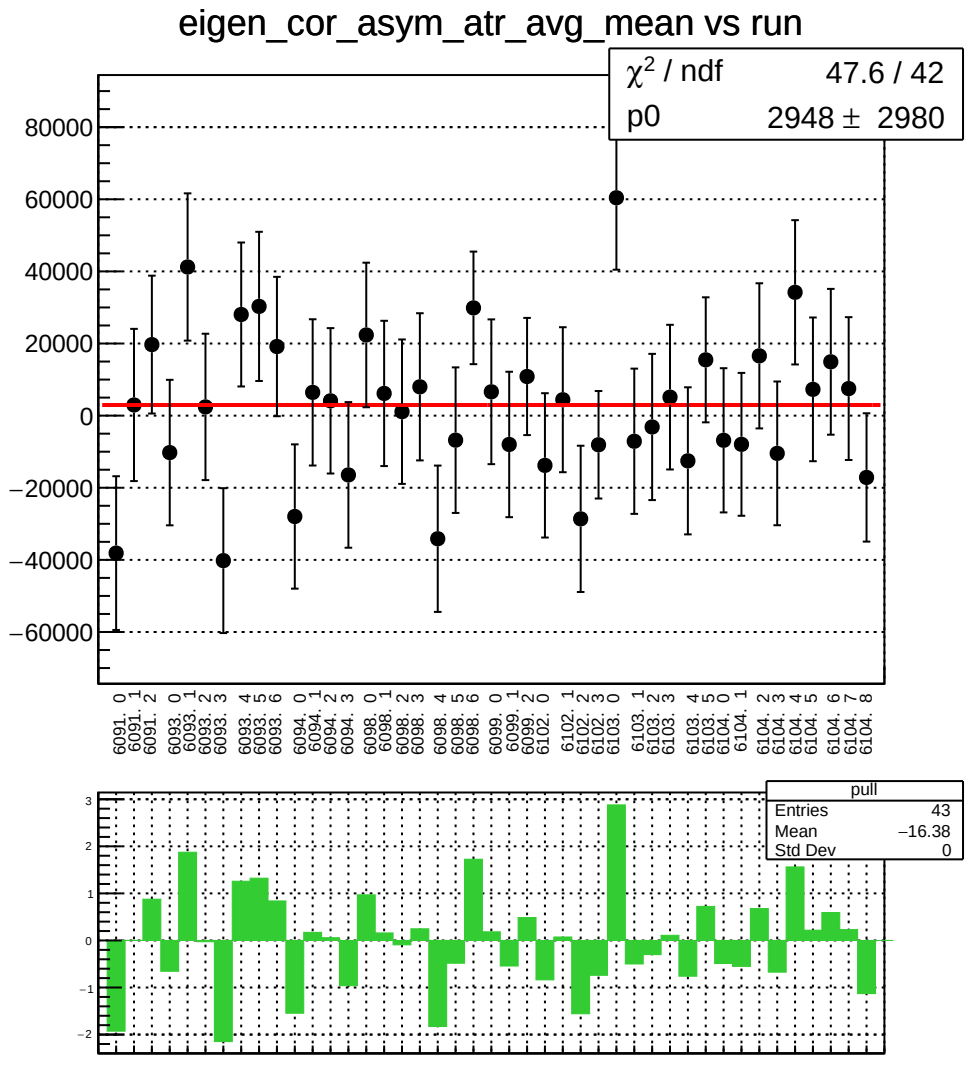

pull1D
Entries 43
Mean −0.01179
Std Dev 1.052
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


cor_asym_atr_avg_rms vs run
χ² / ndf 193.8 / 42
p0 1917 ± 2.107
2050
2000
1950
1900
1850
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8


asym_atr_avg_cor_correction_mean vs run
χ² / ndf 39.92 / 42
p0 3690 ± 6354
×10³
100
50
0
−50
−100
−150
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 17.06
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5


pull1D
Entries 43
Mean 0.009417
Std Dev 0.9635
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


asym_atr_avg_cor_correction_rms vs run
χ² / ndf 1809 / 42
p0 4083 ± 4.493
4500
4400
4300
4200
4100
4000
3900
3800
3700
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8


eigen_cor_asym_atr_avg_mean vs run
χ² / ndf 47.6 / 42
p0 2948 ± 2980
80000
60000
40000
20000
0
−20000
−40000
−60000
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
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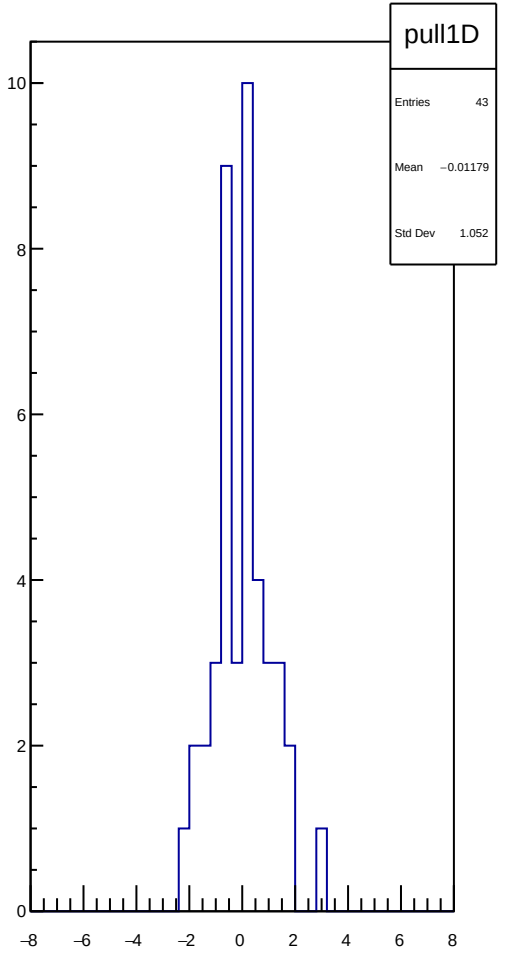
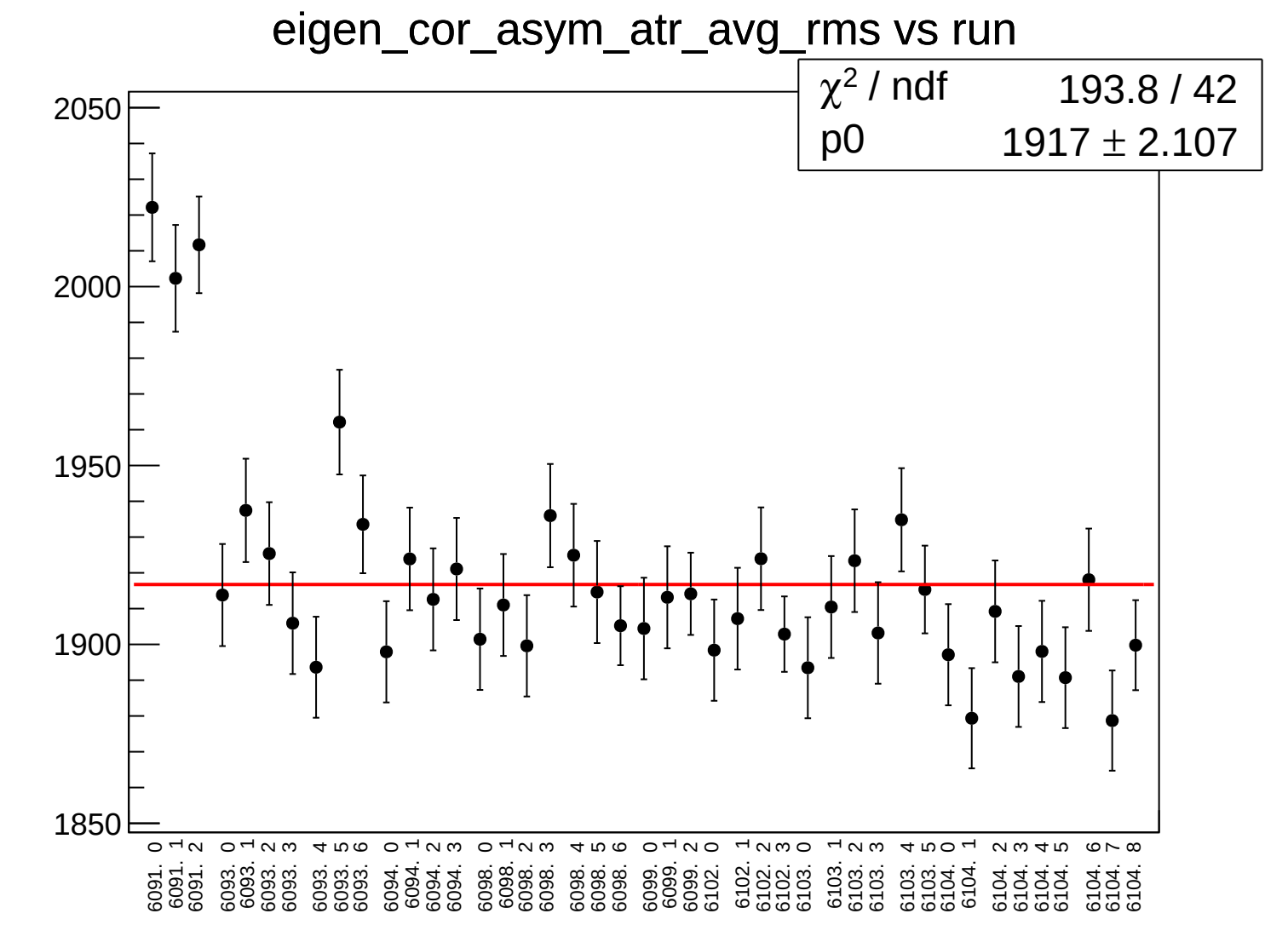
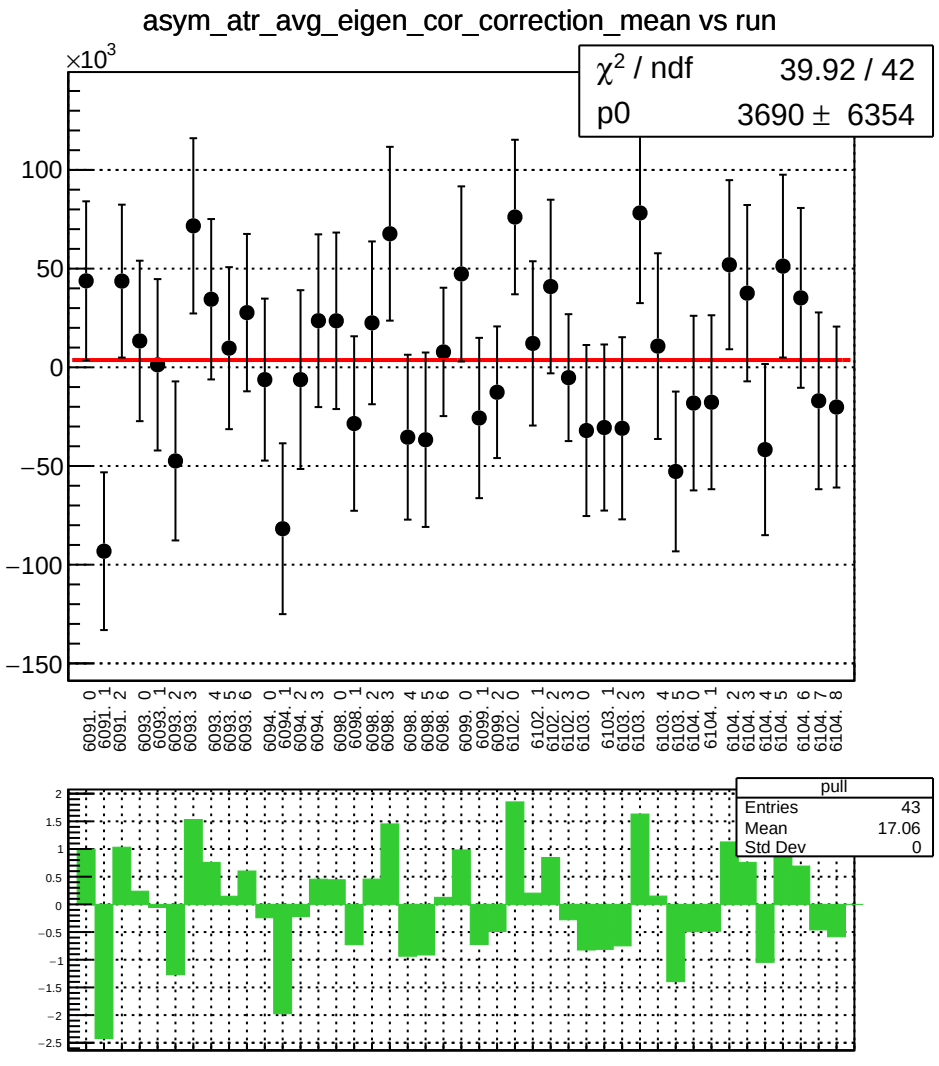
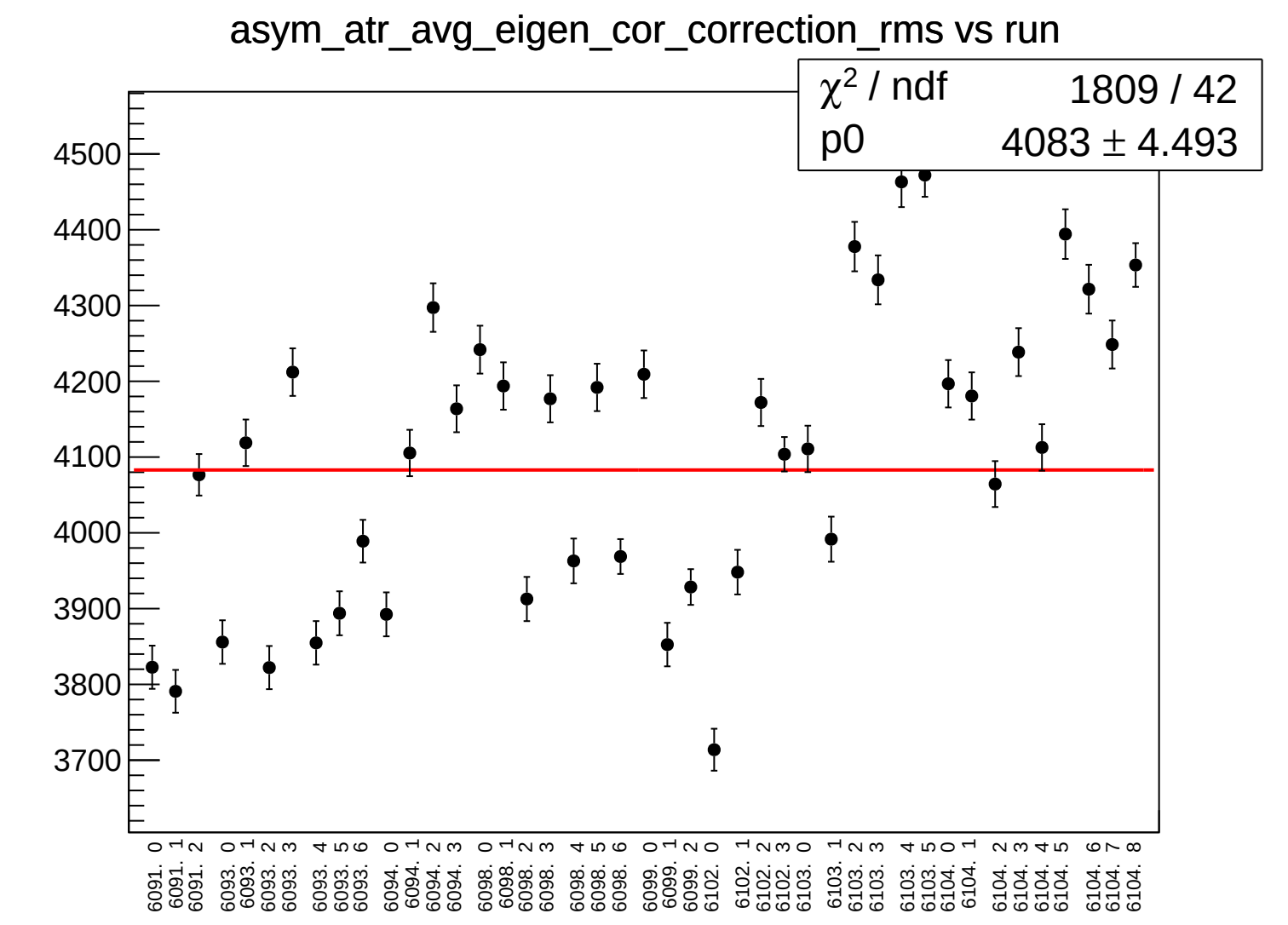
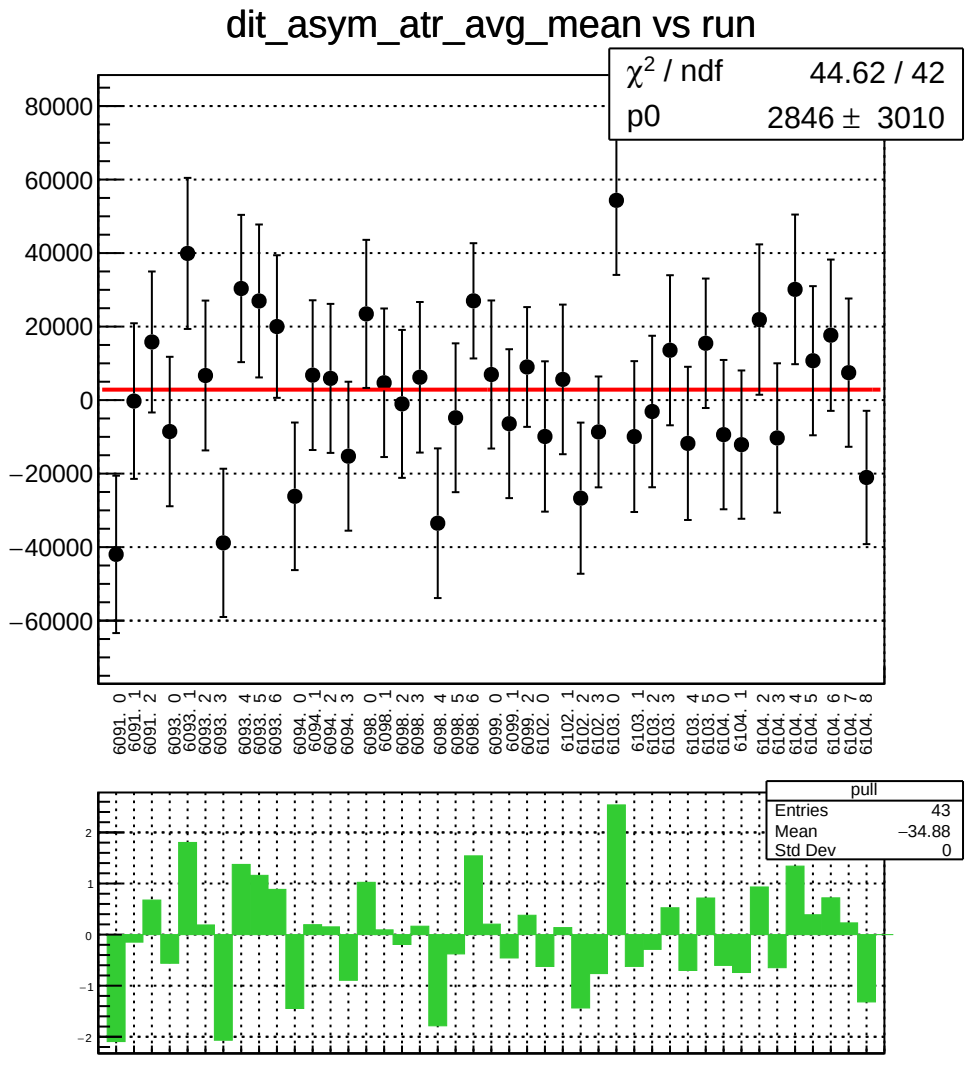
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean −16.38
Std Dev 0
3
2
1
0
−1
−2

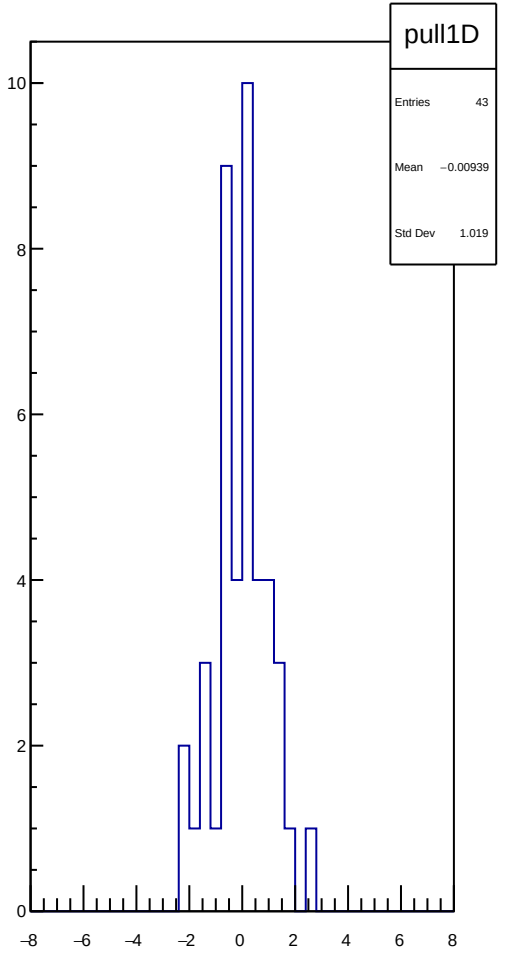

pull1D
Entries 43
Mean −0.01179
Std Dev 1.052
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

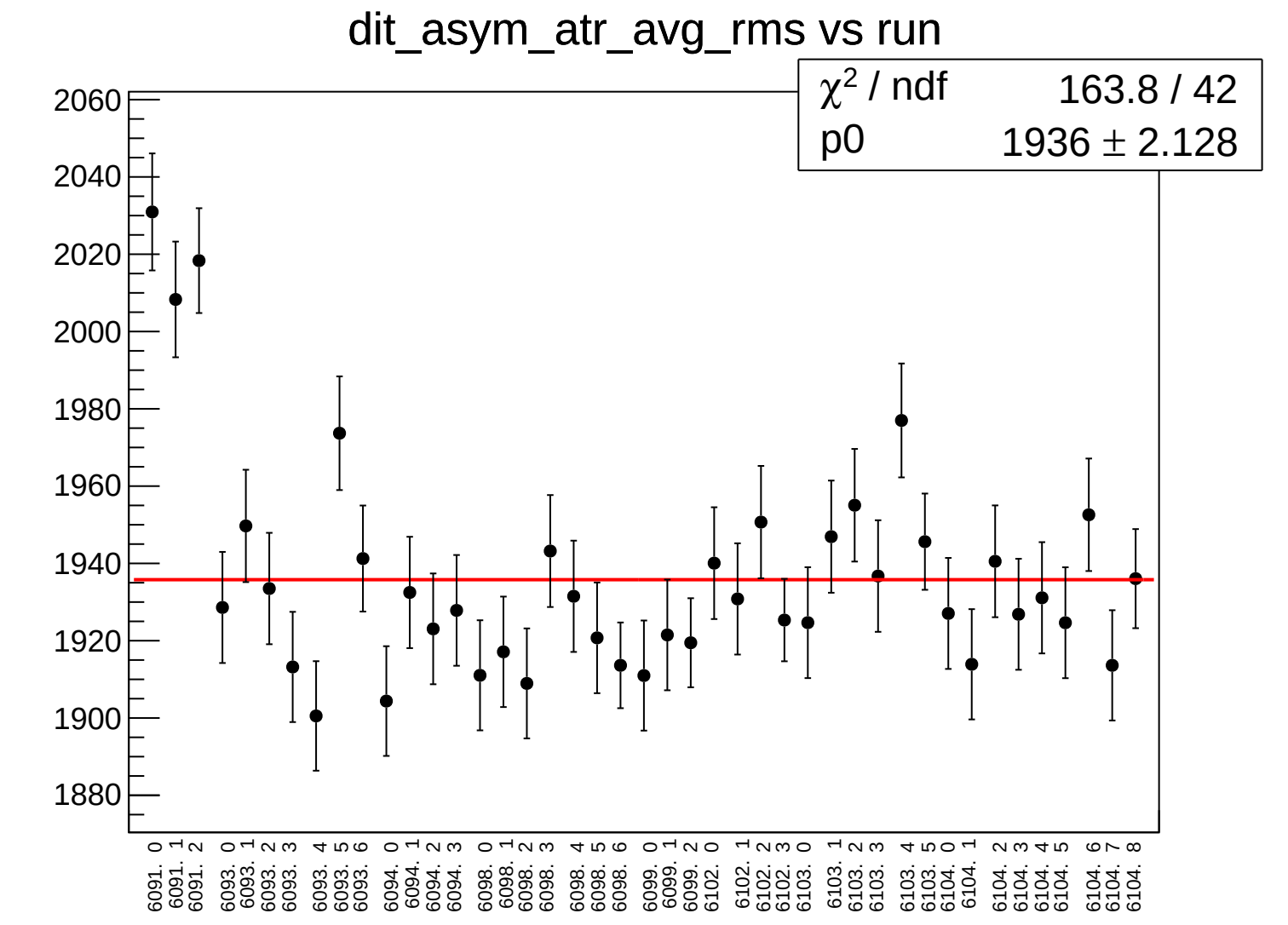

eigen_cor_asym_atr_avg_rms vs run
χ² / ndf 193.8 / 42
p0 1917 ± 2.107
2050
2000
1950
1900
1850
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

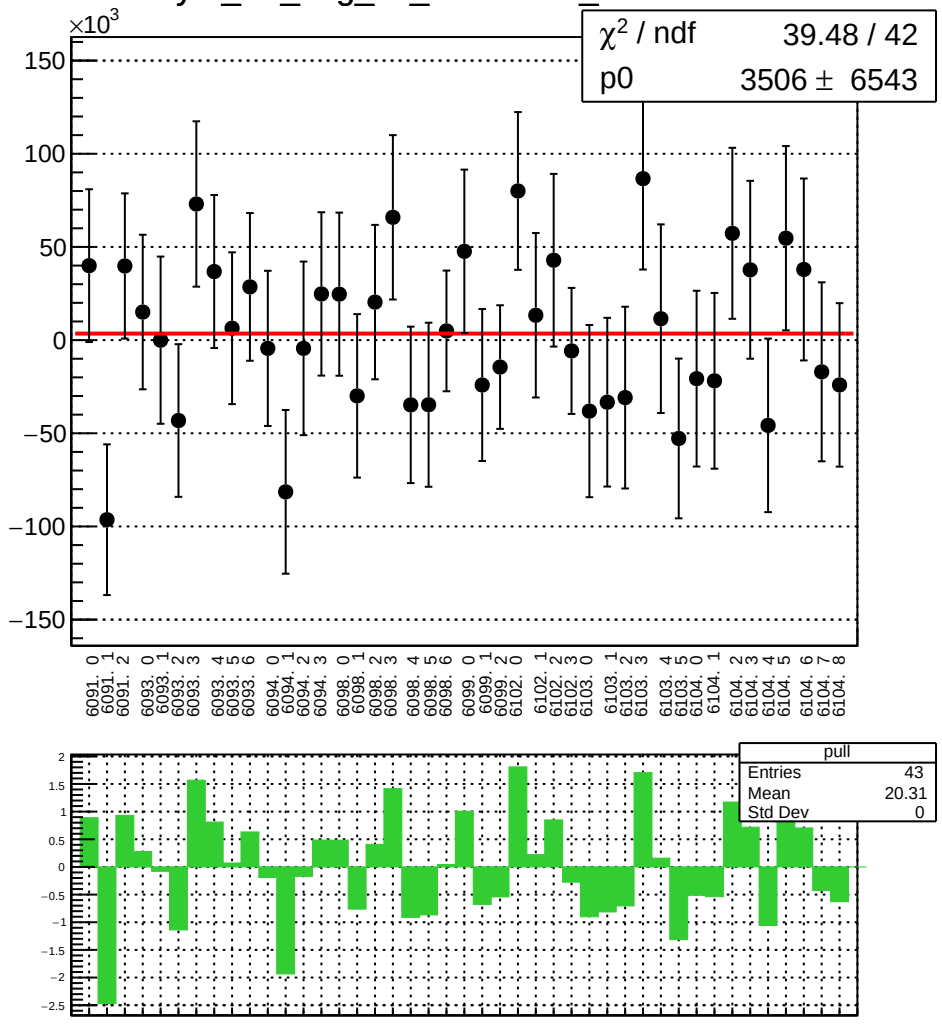

asym_atr_avg_eigen_cor_correction_mean vs run
χ² / ndf 39.92 / 42
p0 3690 ± 6354
pull
Entries 43
Mean 17.06
Std Dev 0
pull1D
Entries 43
Mean 0.009417
Std Dev 0.9635

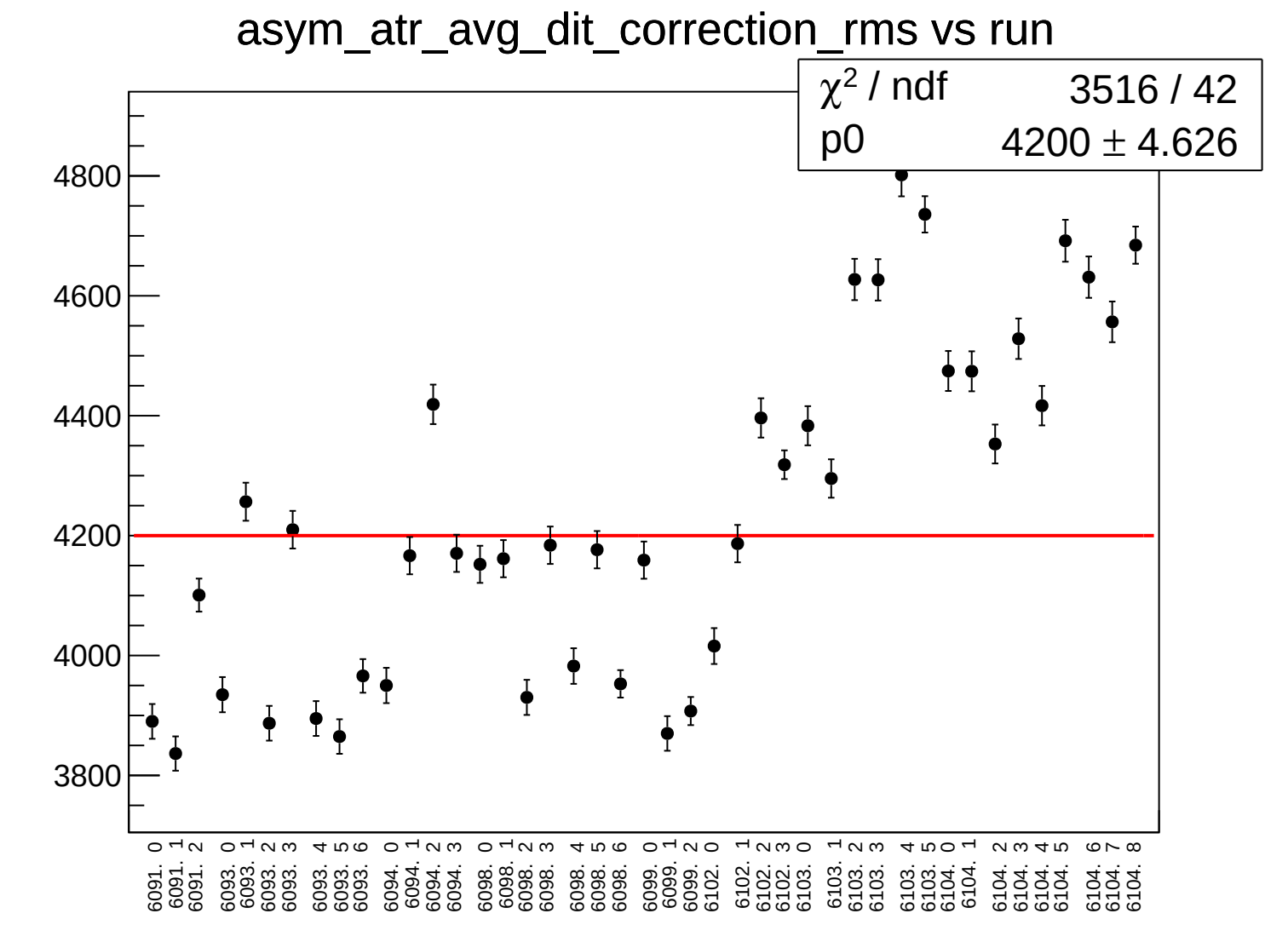

asym_atr_avg_eigen_cor_correction_rms vs run
χ² / ndf 1809 / 42
p0 4083 ± 4.493
4500
4400
4300
4200
4100
4000
3900
3800
3700
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

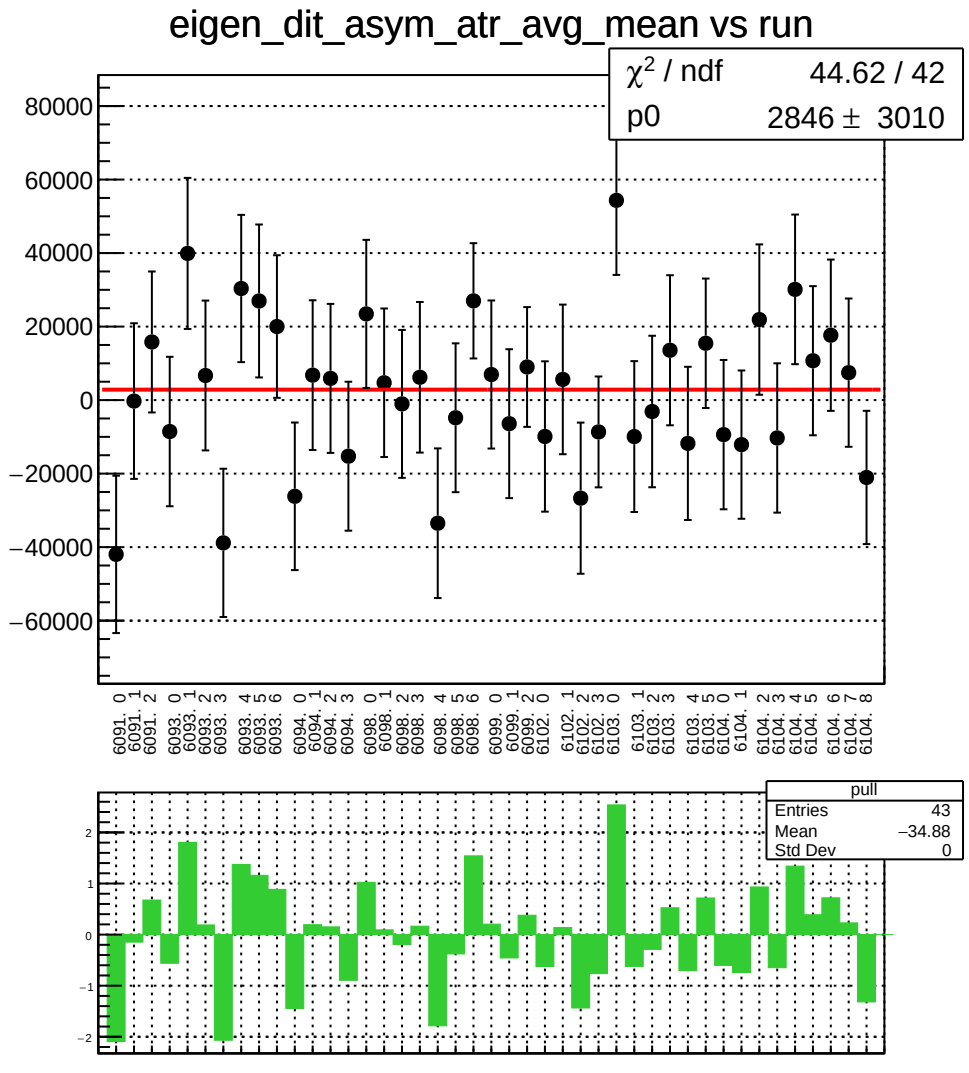

dit_asym_atr_avg_mean vs run
χ² / ndf 44.62 / 42
p0 2846 ± 3010
80000
60000
40000
20000
0
−20000
−40000
−60000
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean −34.88
Std Dev 0
2
1
0
−1
−2

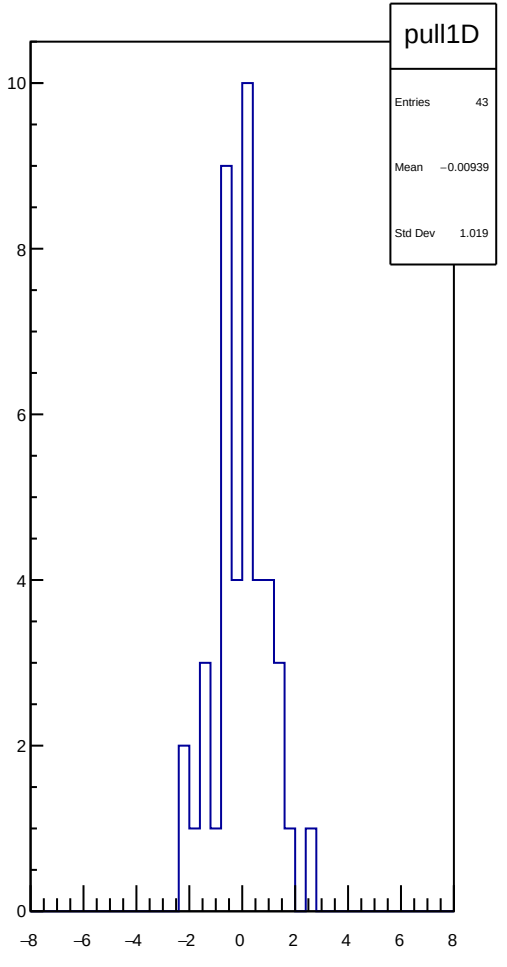

pull1D
Entries 43
Mean −0.00939
Std Dev 1.019
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

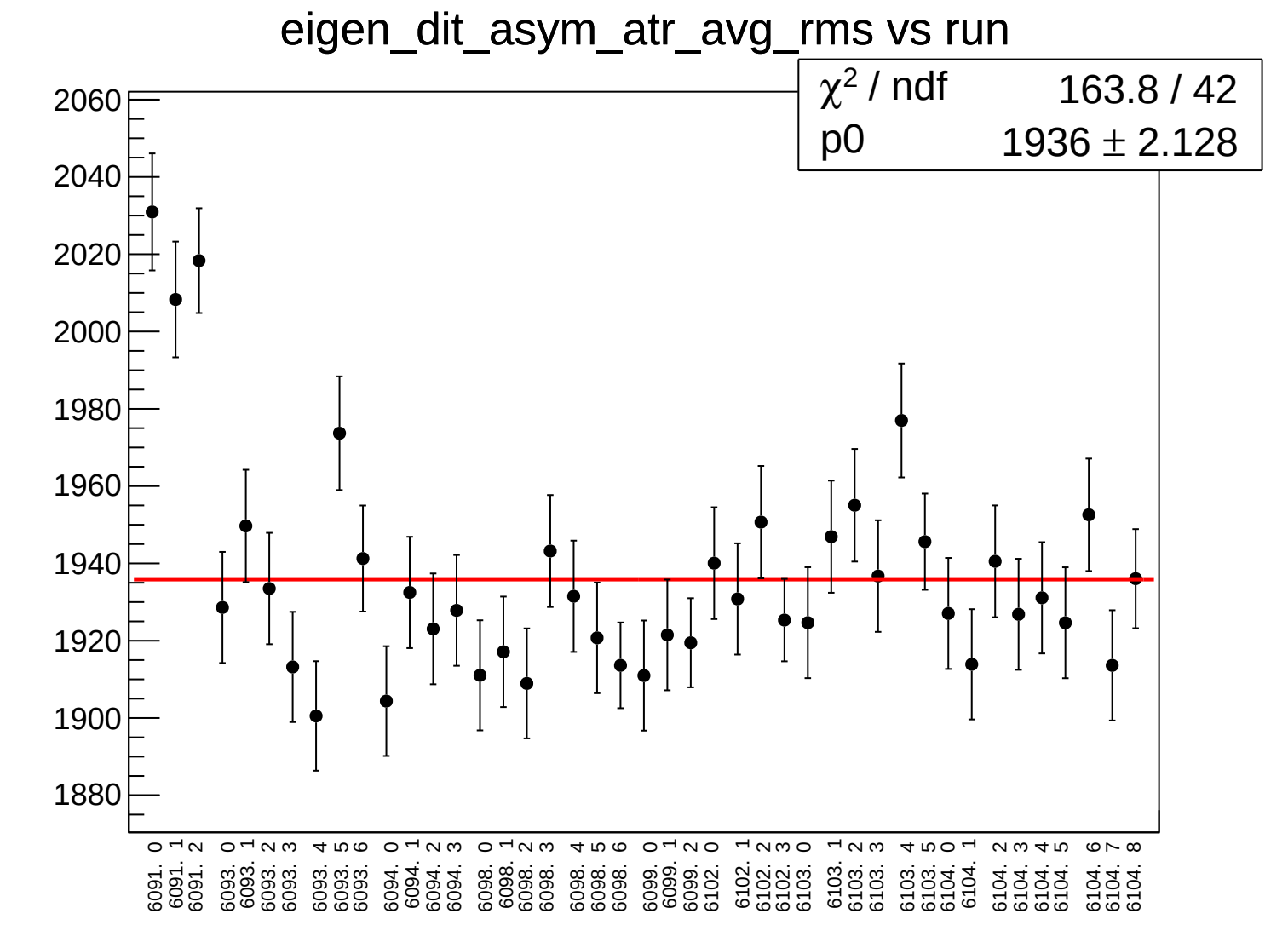

dit_asym_atr_avg_rms vs run
χ² / ndf 163.8 / 42
p0 1936 ± 2.128
2060
2040
2020
2000
1980
1960
1940
1920
1900
1880
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

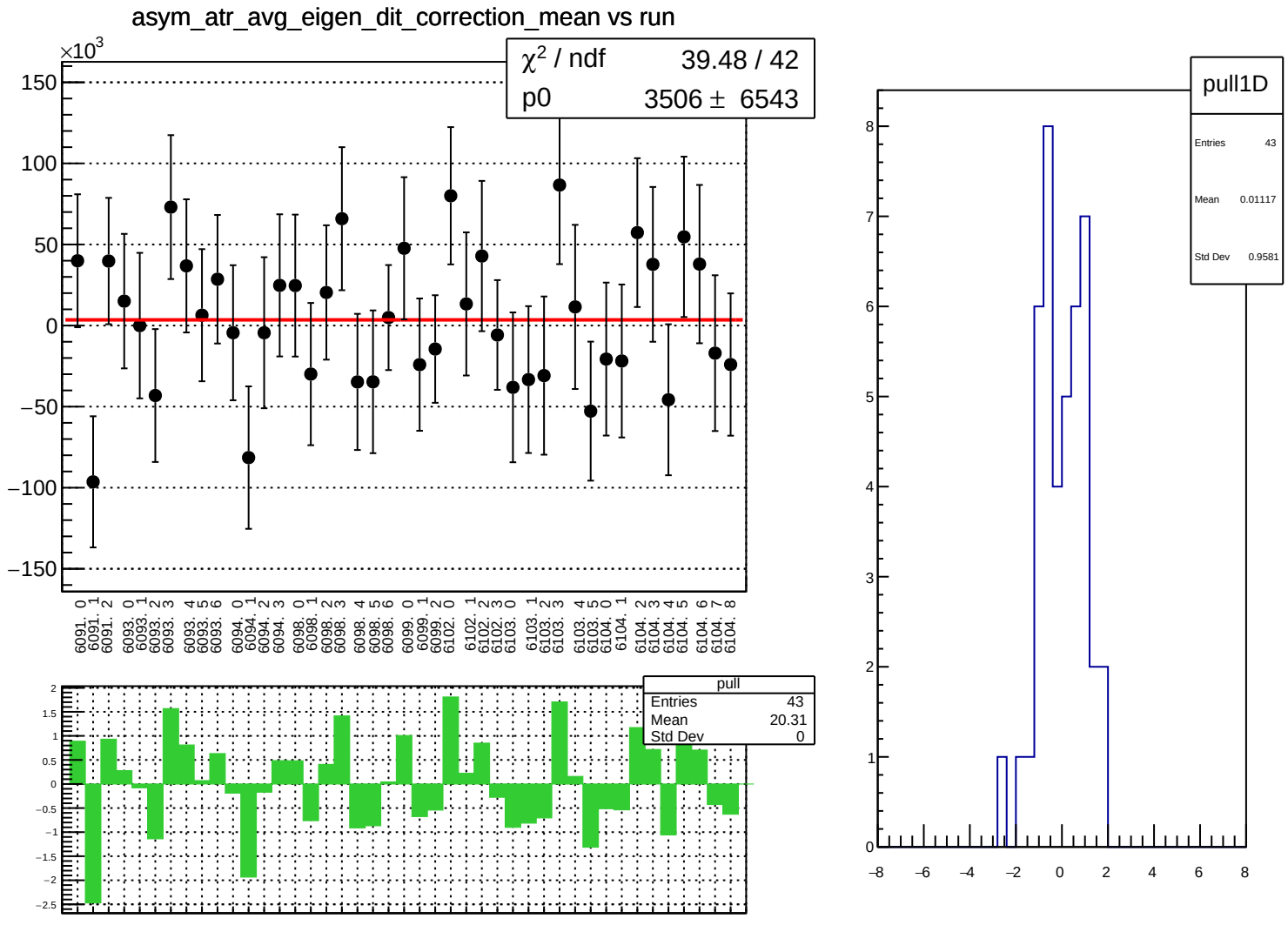

asym_atr_avg_dit_correction_mean vs run
×10^3
χ² / ndf 39.48 / 42
p0 3506 ± 6543
150
100
50
0
−50
−100
−150
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 20.31
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5
pull1D
Entries 43
Mean 0.01117
Std Dev 0.9581
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

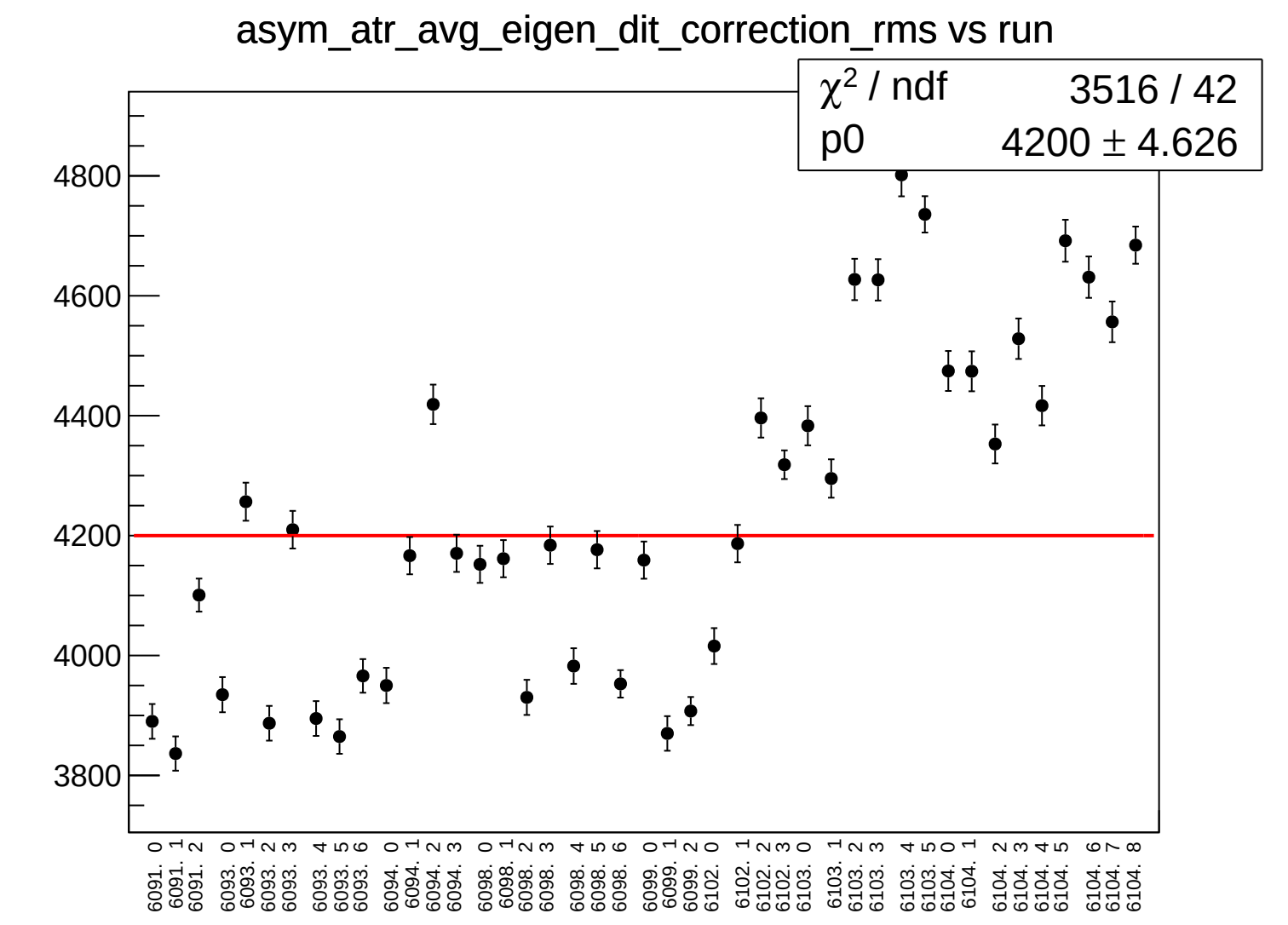

asym_atr_avg_dit_correction_rms vs run
χ² / ndf 3516 / 42
p0 4200 ± 4.626
4800
4600
4400
4200
4000
3800
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

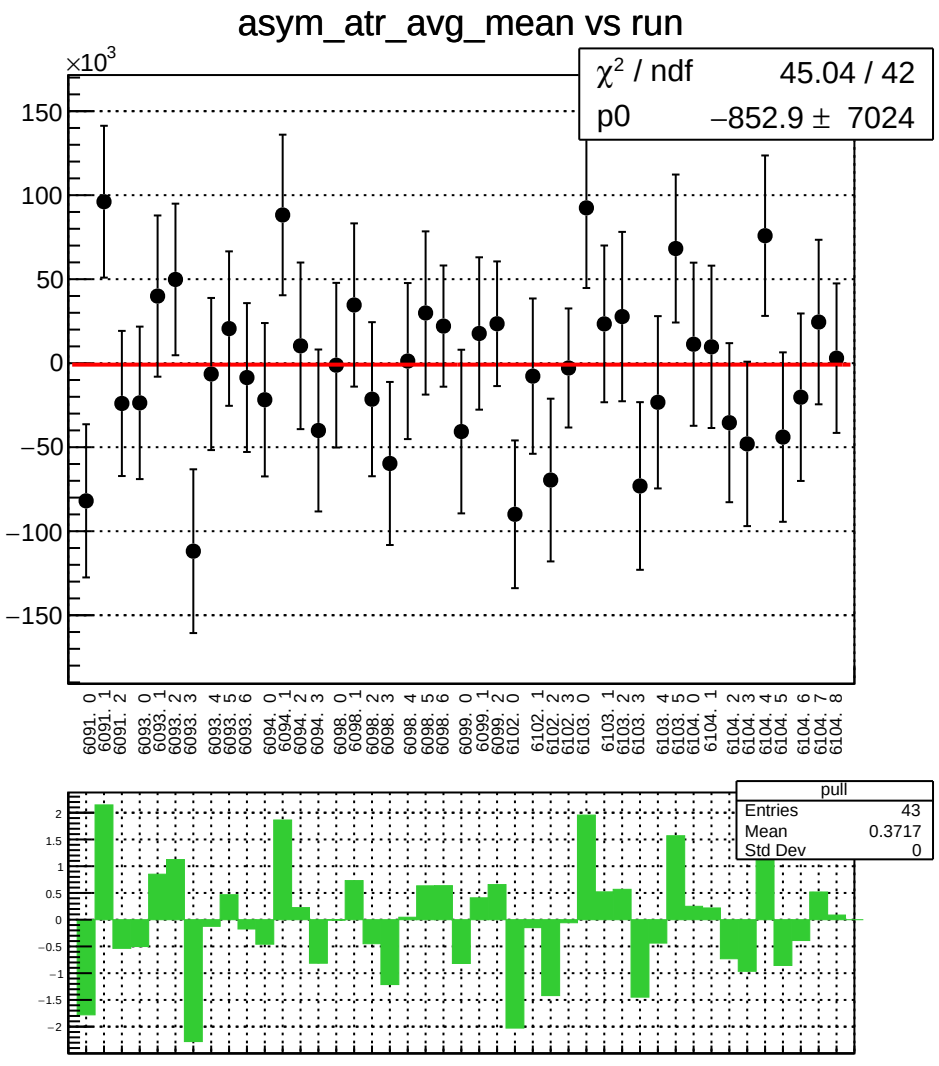

eigen_dit_asym_atr_avg_mean vs run
χ² / ndf 44.62 / 42
p0 2846 ± 3010
80000
60000
40000
20000
0
−20000
−40000
−60000
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean −34.88
Std Dev 0
2
1
0
−1
−2

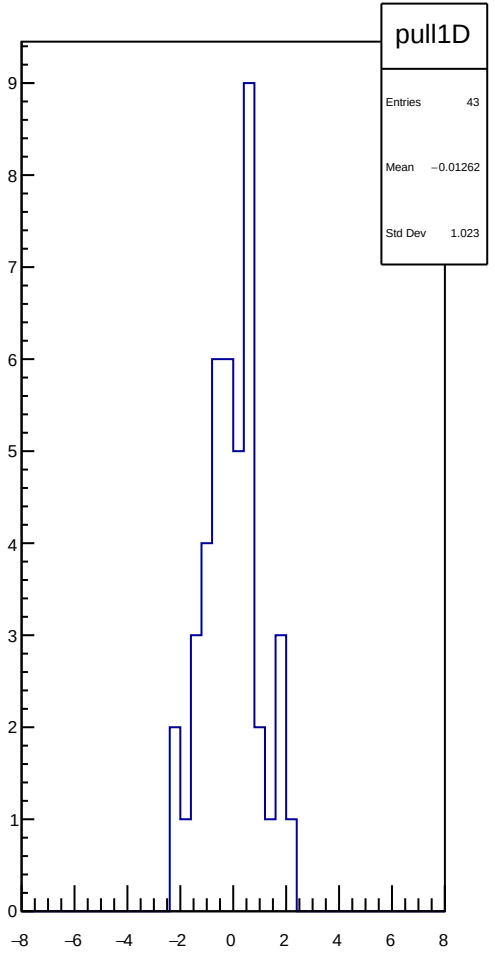

pull1D
Entries 43
Mean −0.00939
Std Dev 1.019
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

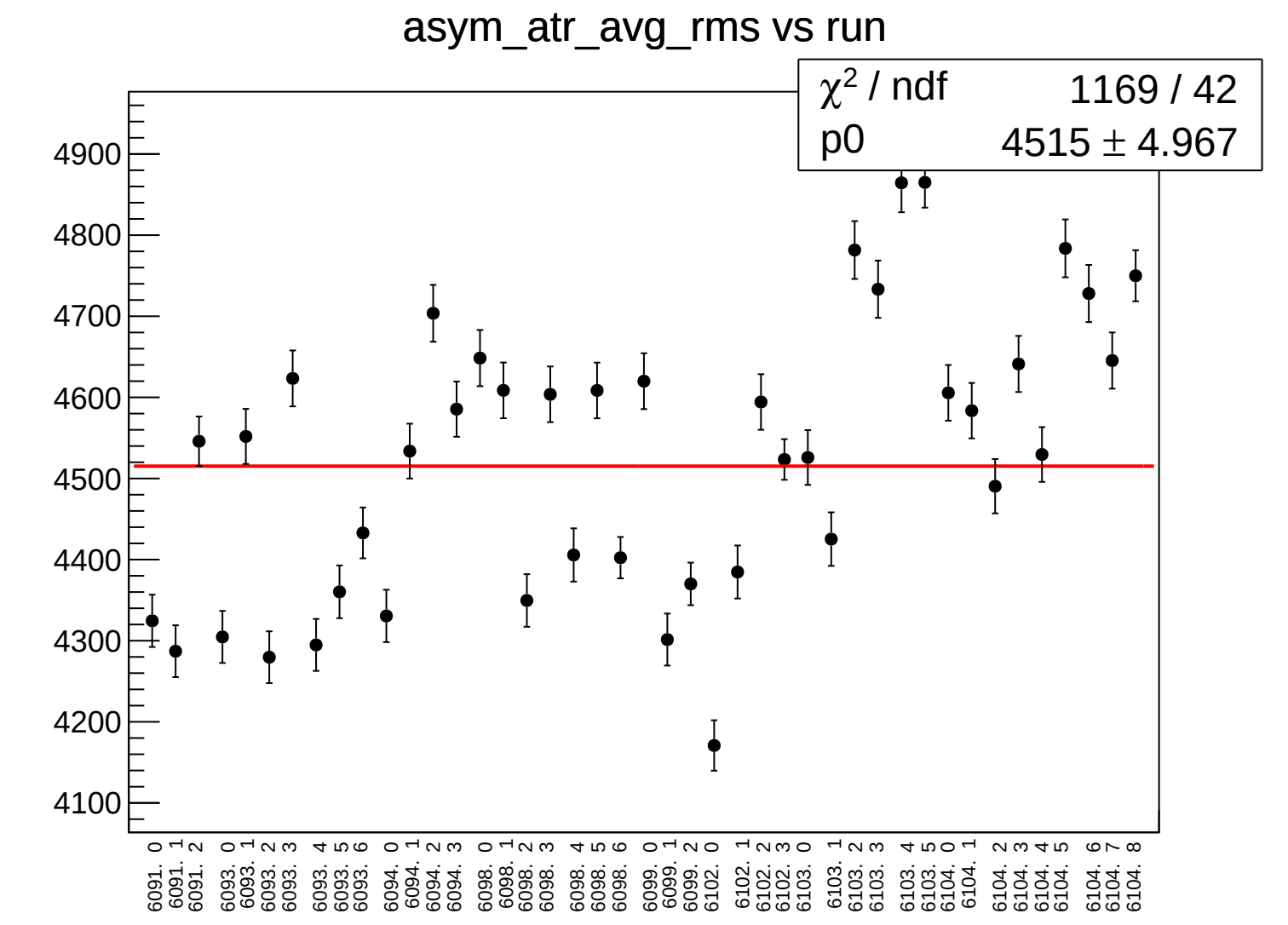

eigen_dit_asym_atr_avg_rms vs run
χ^2 / ndf 163.8 / 42
p0 1936 ± 2.128
2060
2040
2020
2000
1980
1960
1940
1920
1900
1880
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

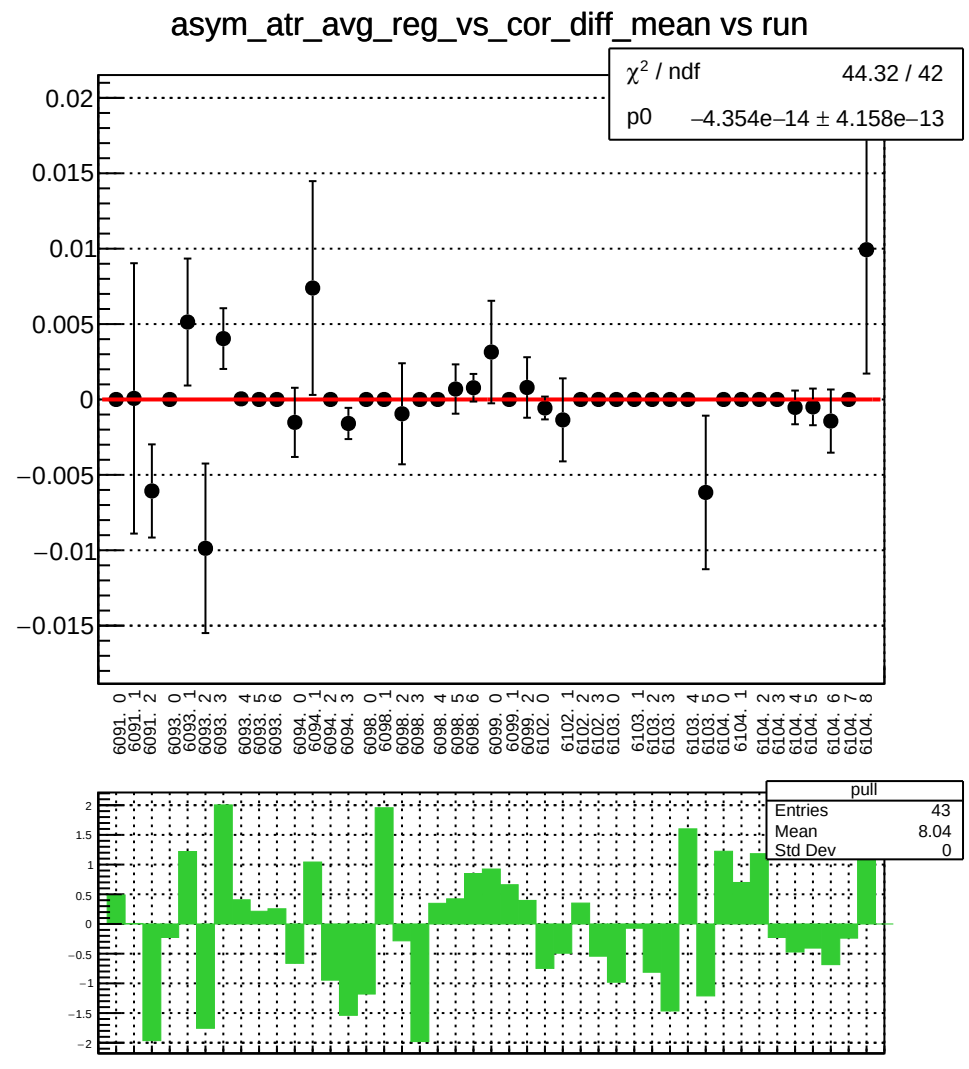

asym_atr_avg_eigen_dit_correction_mean vs run
×10^3
χ² / ndf 39.48 / 42
p0 3506 ± 6543
150
100
50
0
−50
−100
−150
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 20.31
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5
pull1D
Entries 43
Mean 0.01117
Std Dev 0.9581
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

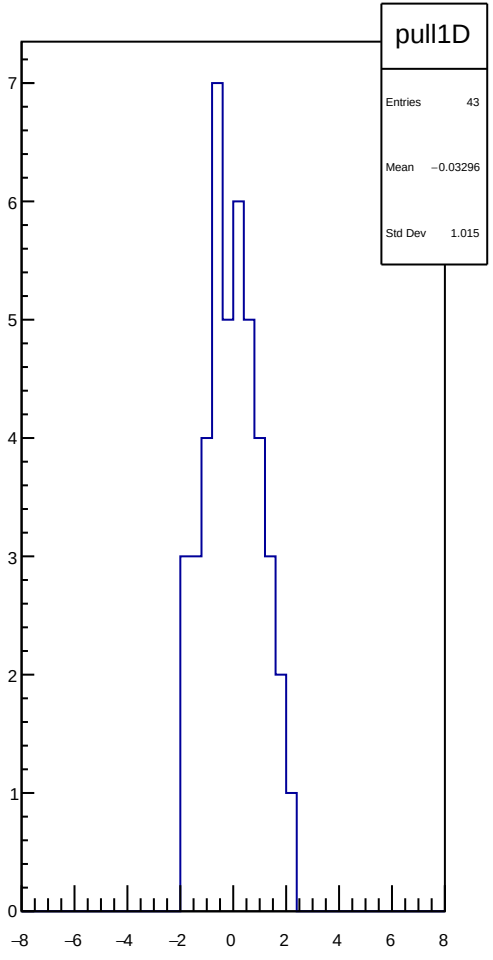

asym_atr_avg_eigen_dit_correction_rms vs run
χ² / ndf 3516 / 42
p0 4200 ± 4.626
4800
4600
4400
4200
4000
3800
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

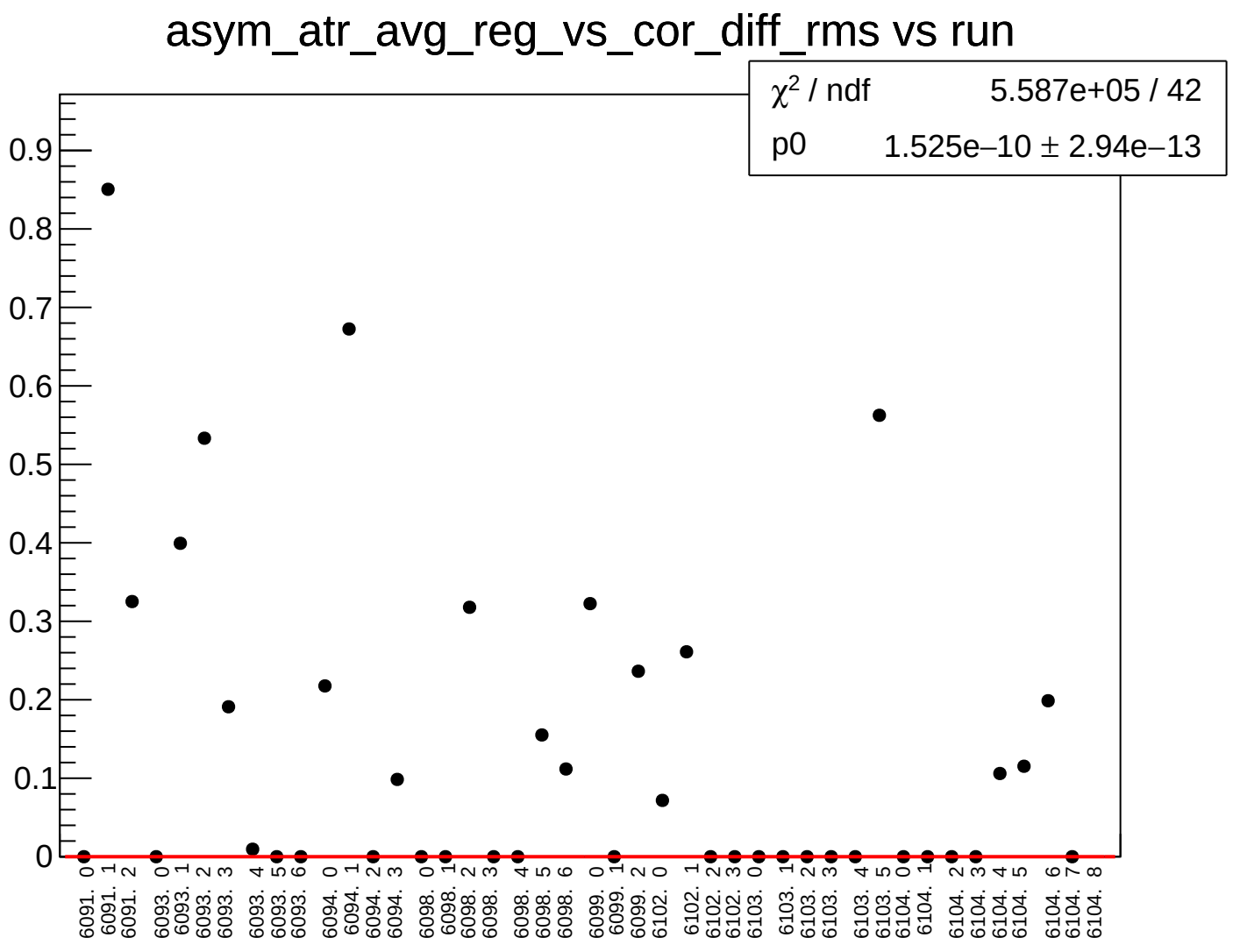

asym_atr_avg_mean vs run
×10^3
χ² / ndf 45.04 / 42
p0 −852.9 ± 7024
150
100
50
0
−50
−100
−150
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 0.3717
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

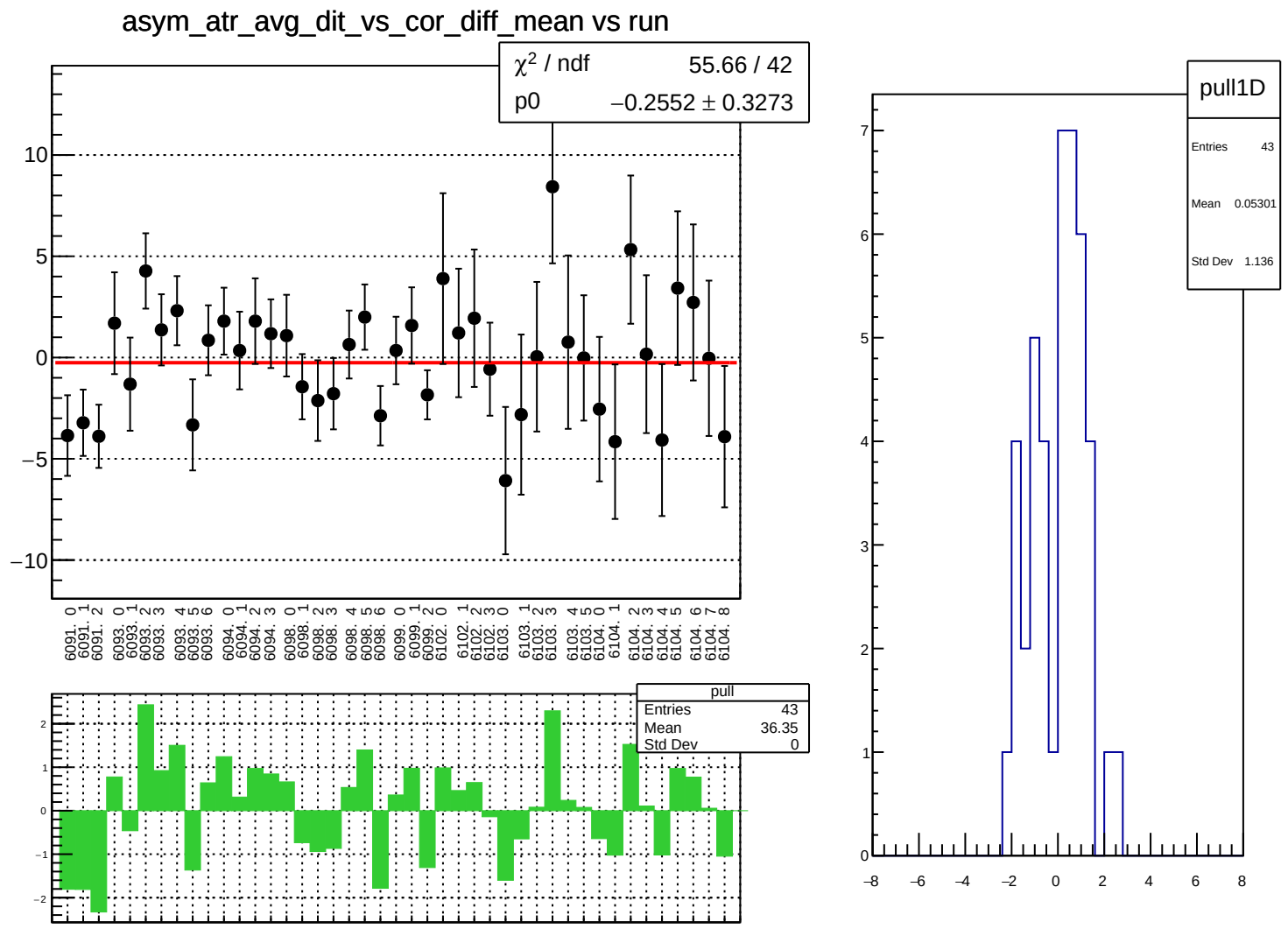

pull1D
Entries 43
Mean −0.01262
Std Dev 1.023
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

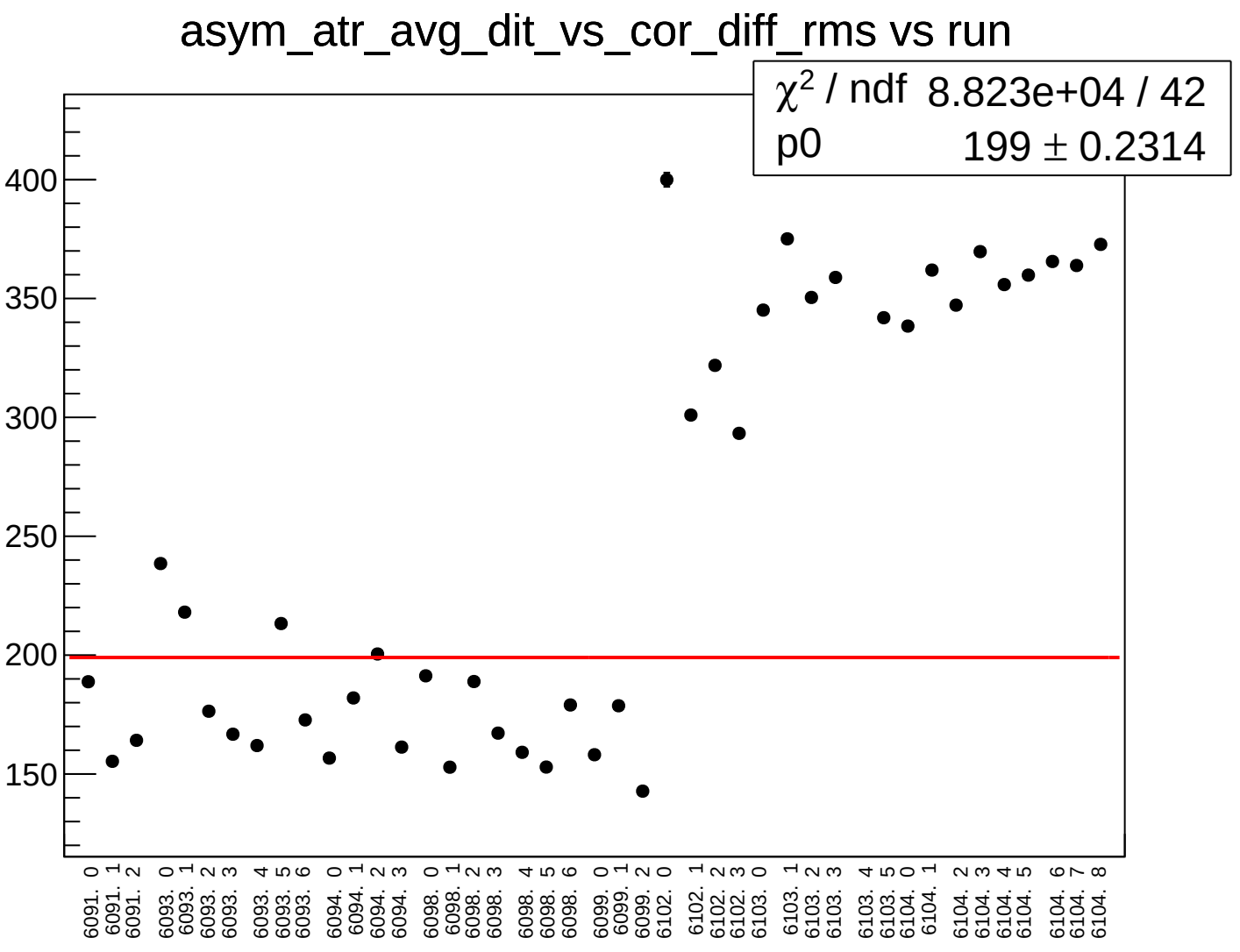

asym_atr_avg_rms vs run
χ^2 / ndf 1169 / 42
p0 4515 ± 4.967
4900
4800
4700
4600
4500
4400
4300
4200
4100
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

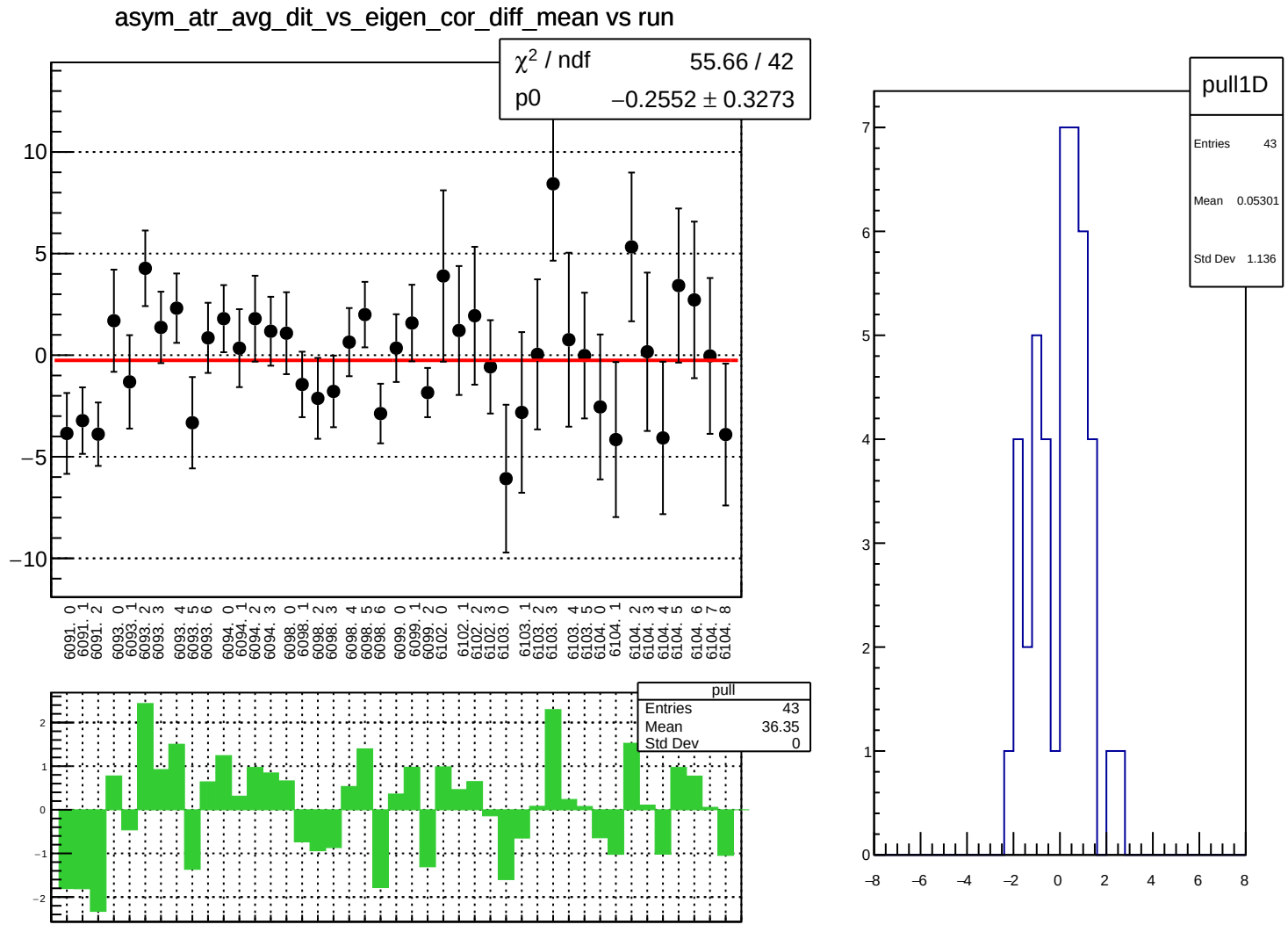

asym_atr_avg_reg_vs_cor_diff_mean vs run
χ² / ndf 44.32 / 42
p0 −4.354e−14 ± 4.158e−13
0.02
0.015
0.01
0.005
0
−0.005
−0.01
−0.015
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 8.04
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

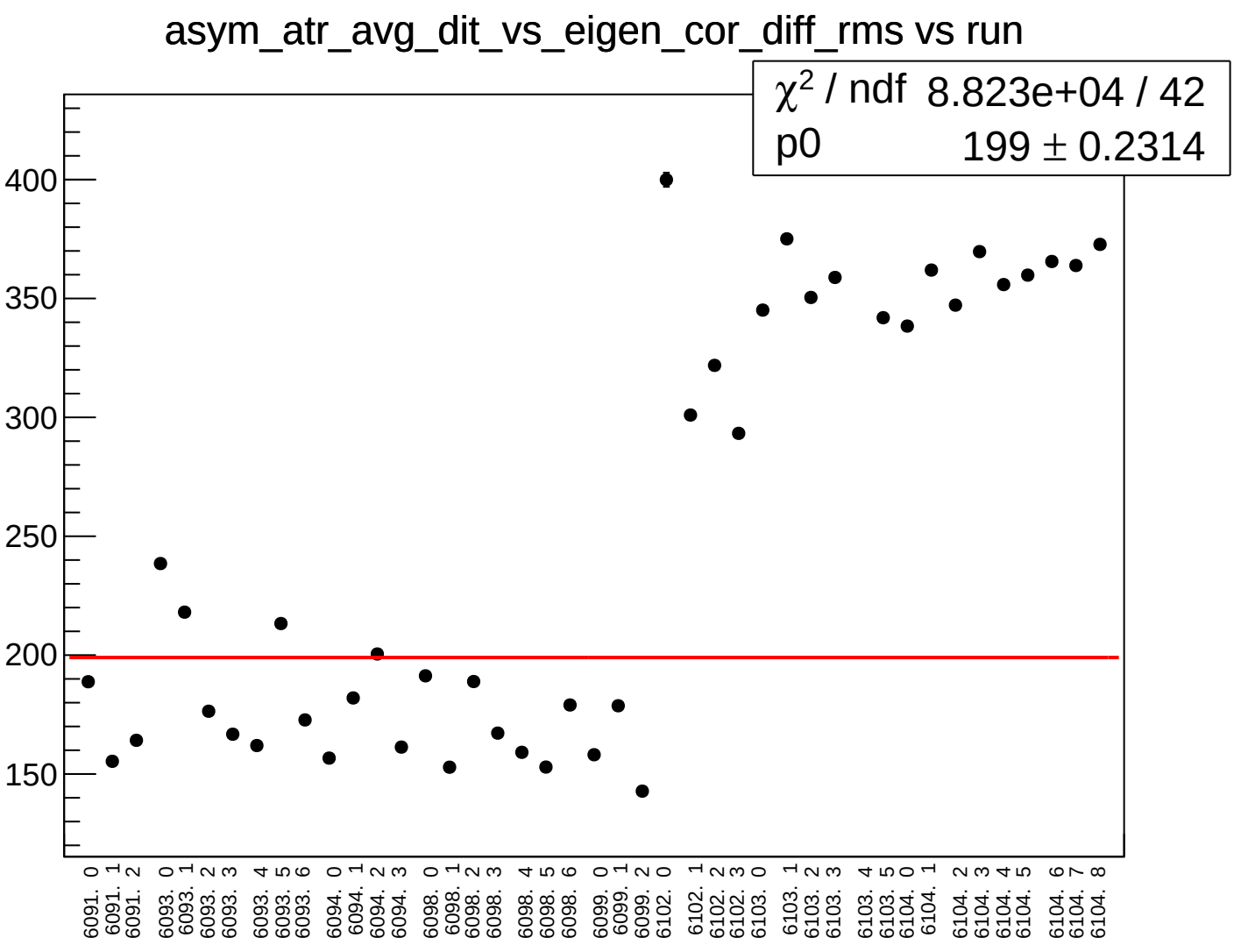

pull1D
Entries 43
Mean −0.03296
Std Dev 1.015
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

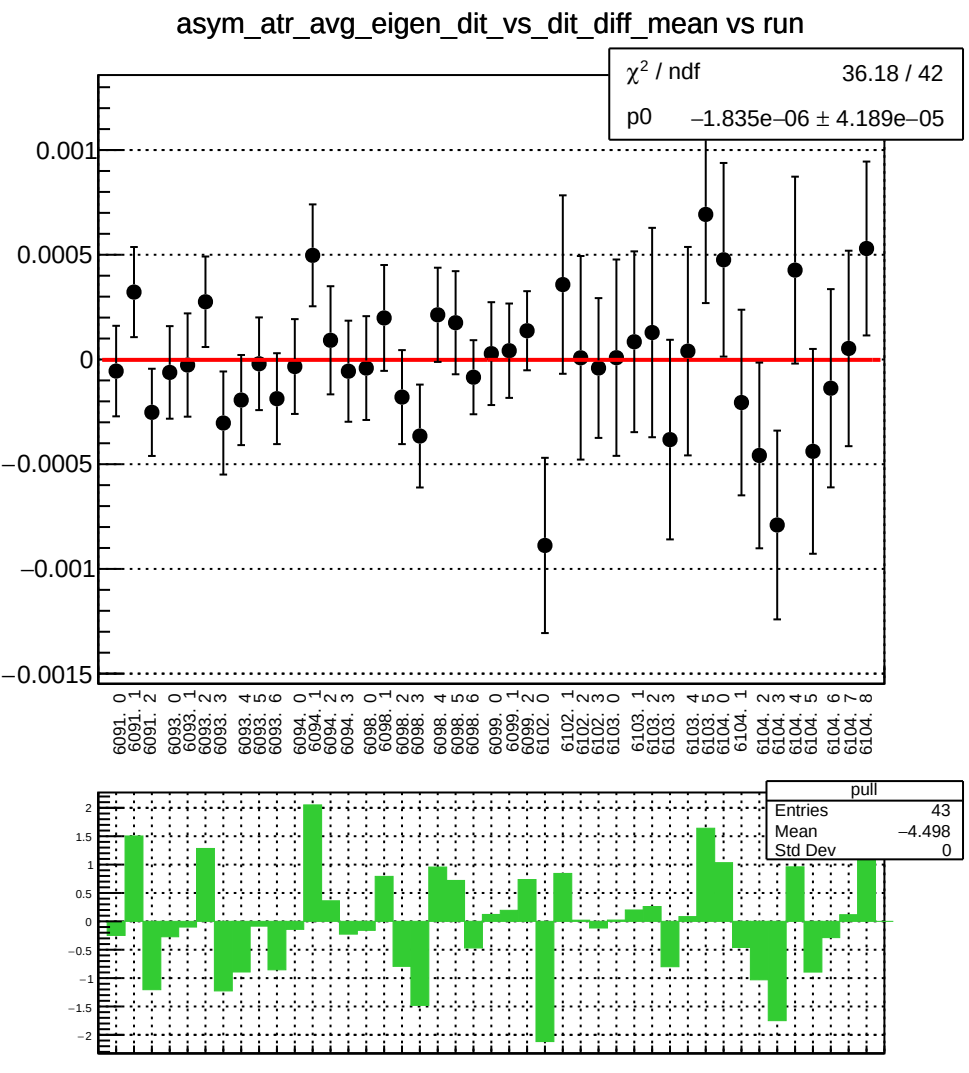

asym_atr_avg_reg_vs_cor_diff_rms vs run
χ² / ndf 5.587e+05 / 42
p0 1.525e−10 ± 2.94e−13
0
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
0.9
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

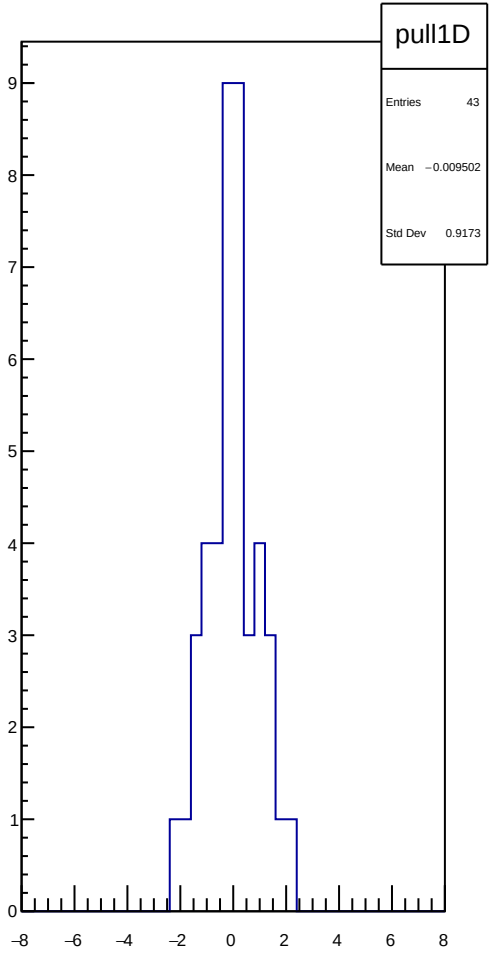

asym_atr_avg_dit_vs_cor_diff_mean vs run
χ² / ndf 55.66 / 42
p0 −0.2552 ± 0.3273
10
5
0
−5
−10
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 36.35
Std Dev 0
2
1
0
−1
−2
pull1D
Entries 43
Mean 0.05301
Std Dev 1.136
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

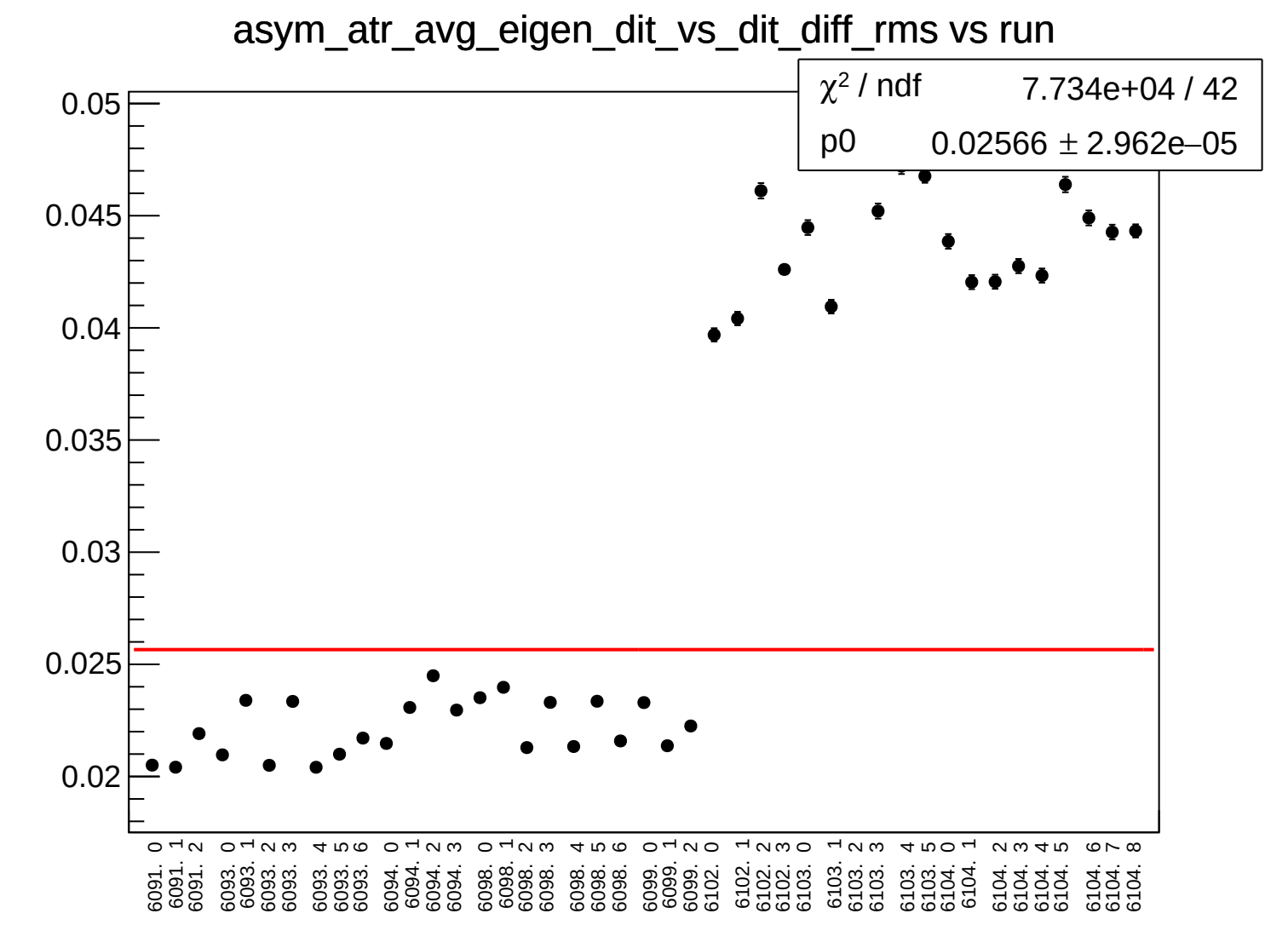

asym_atr_avg_dit_vs_cor_diff_rms vs run
χ² / ndf 8.823e+04 / 42
p0 199 ± 0.2314
400
350
300
250
200
150
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

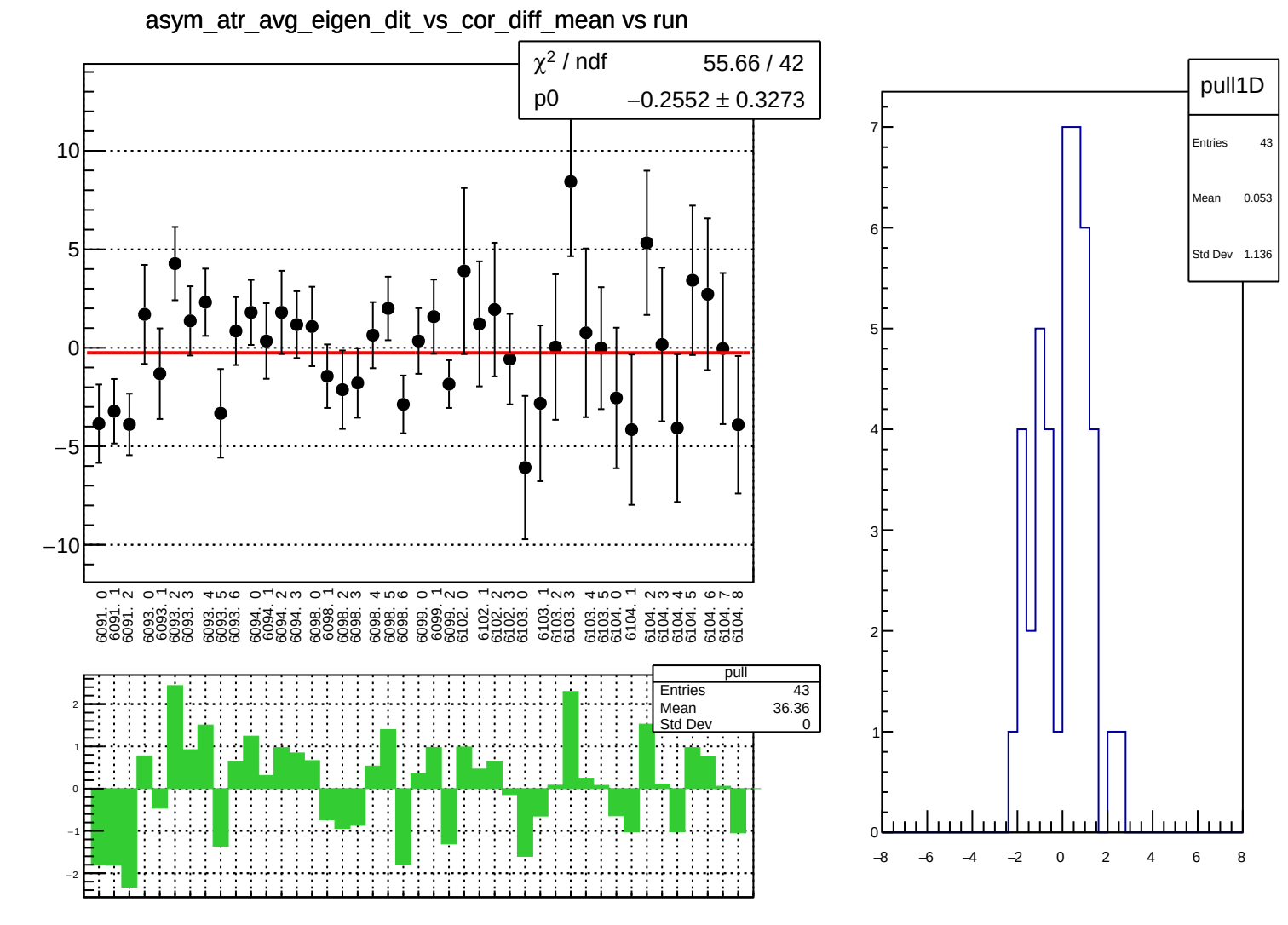

asym_atr_avg_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 55.66 / 42
p0 −0.2552 ± 0.3273
10
5
0
−5
−10
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 36.35
Std Dev 0
2
1
0
−1
−2
pull1D
Entries 43
Mean 0.05301
Std Dev 1.136
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

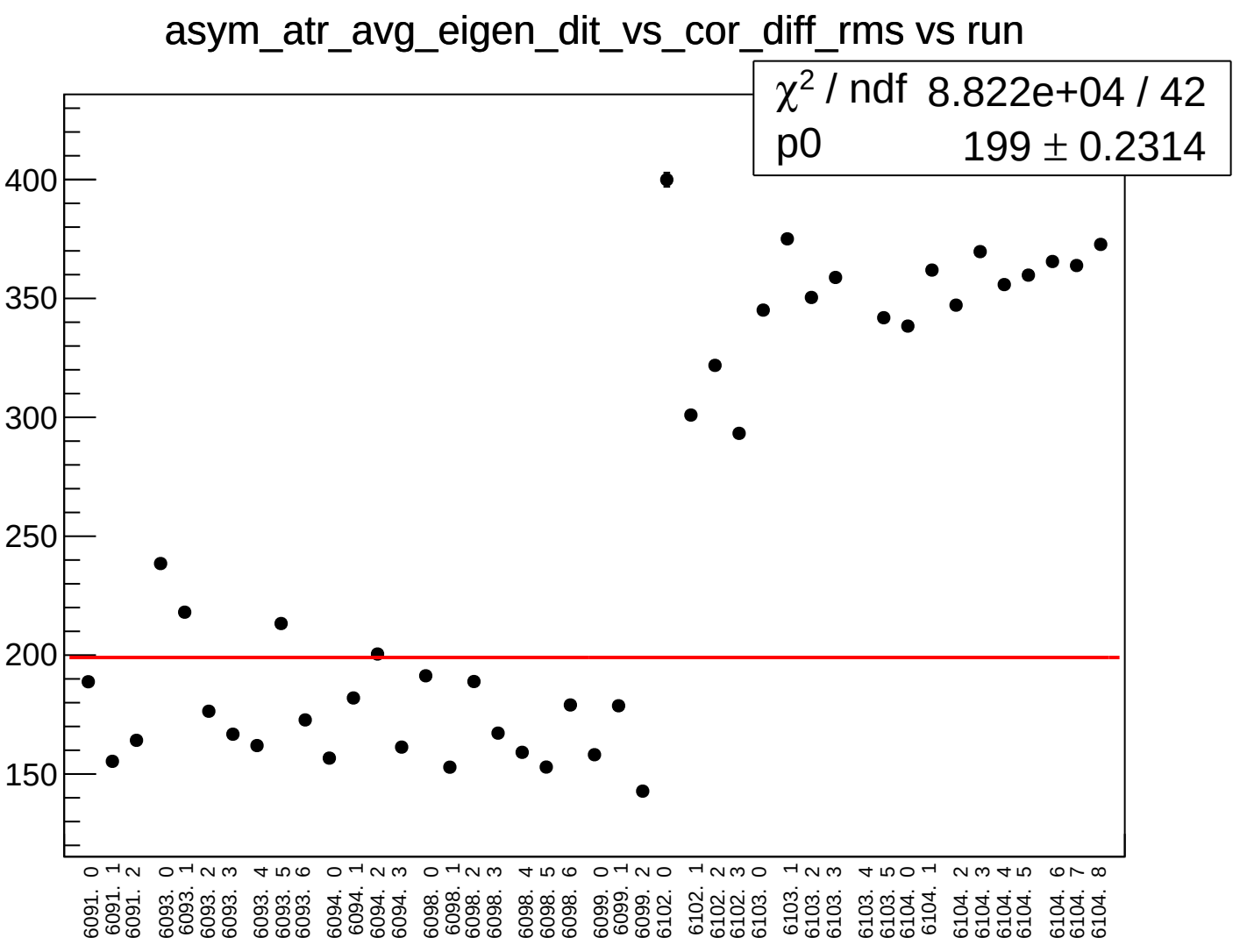

asym_atr_avg_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 8.823e+04 / 42
p0 199 ± 0.2314
400
350
300
250
200
150
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

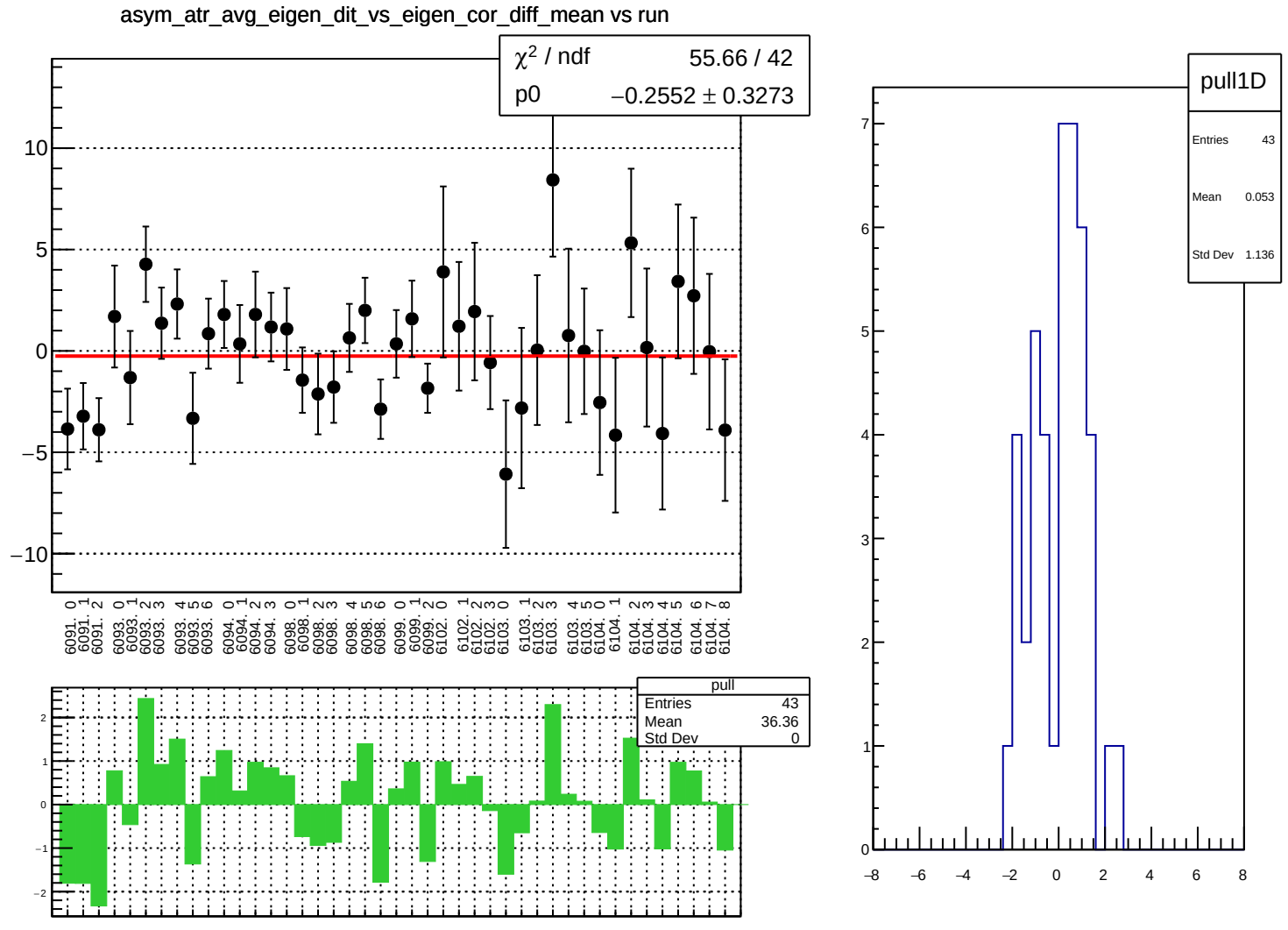

asym_atr_avg_eigen_dit_vs_dit_diff_mean vs run
χ² / ndf 36.18 / 42
p0 −1.835e−06 ± 4.189e−05
0.001
0.0005
0
−0.0005
−0.001
−0.0015
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean −4.498
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

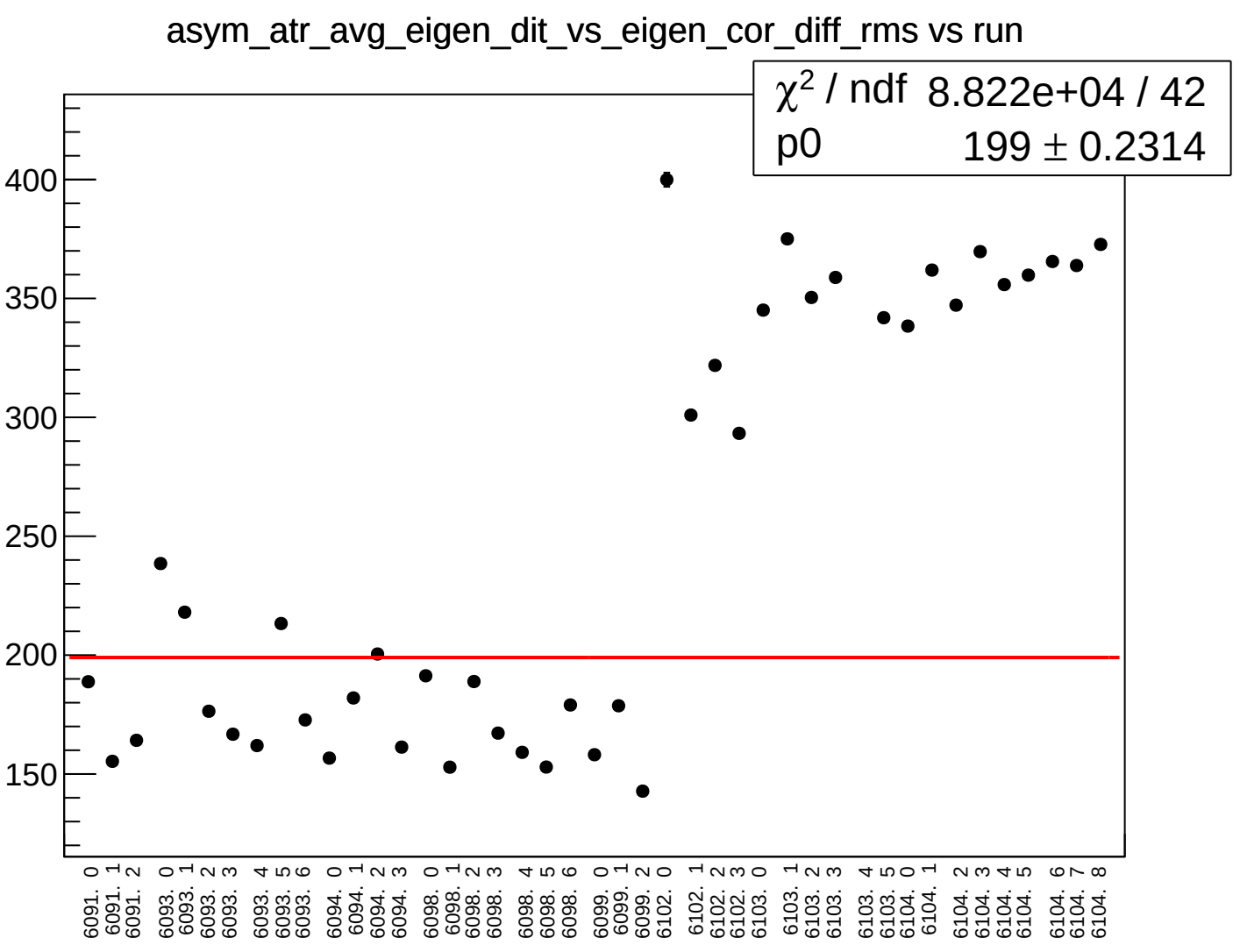

pull1D
Entries 43
Mean −0.009502
Std Dev 0.9173
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

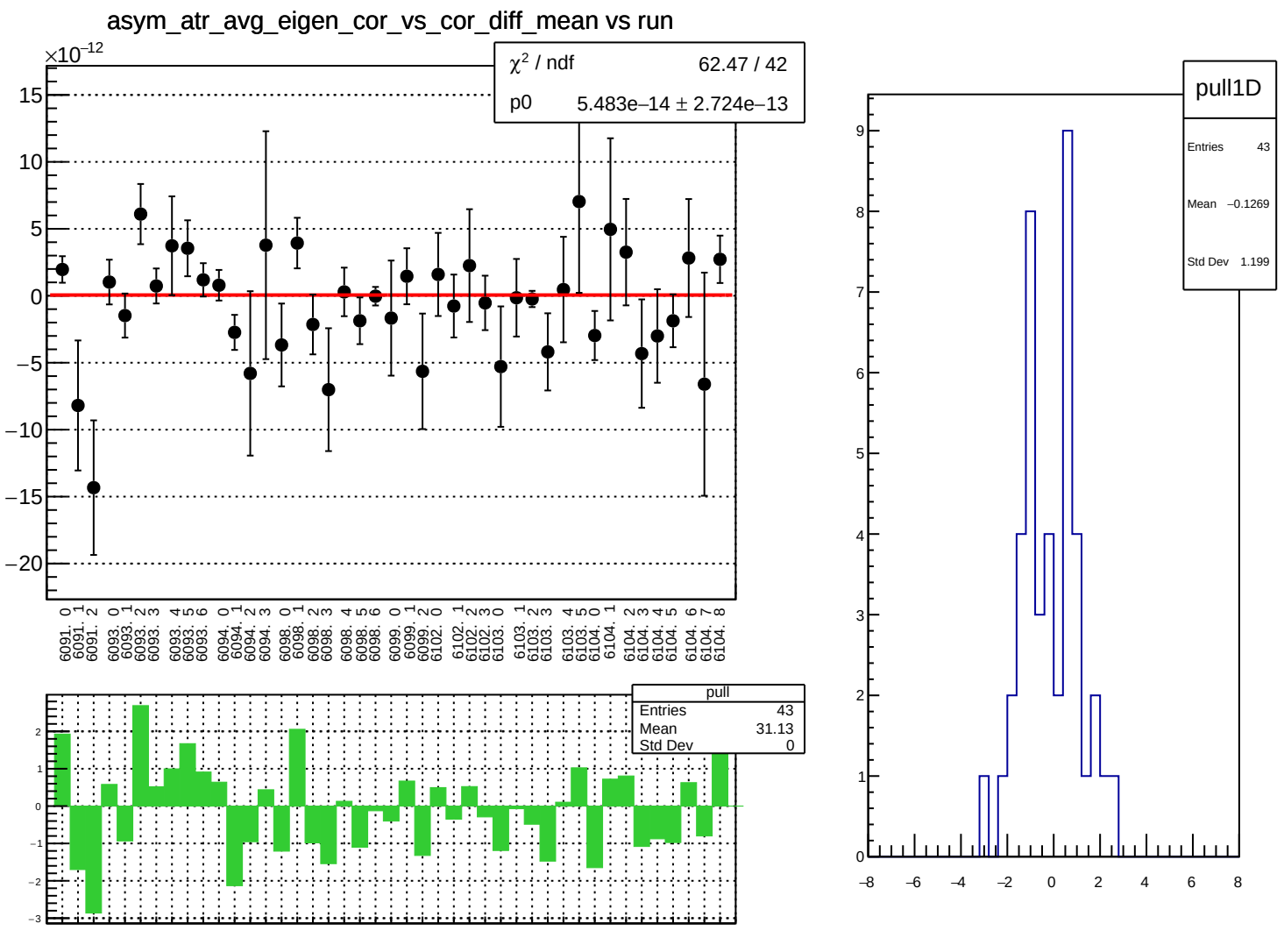

asym_atr_avg_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 7.734e+04 / 42
p0 0.02566 ± 2.962e−05
0.05
0.045
0.04
0.035
0.03
0.025
0.02
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

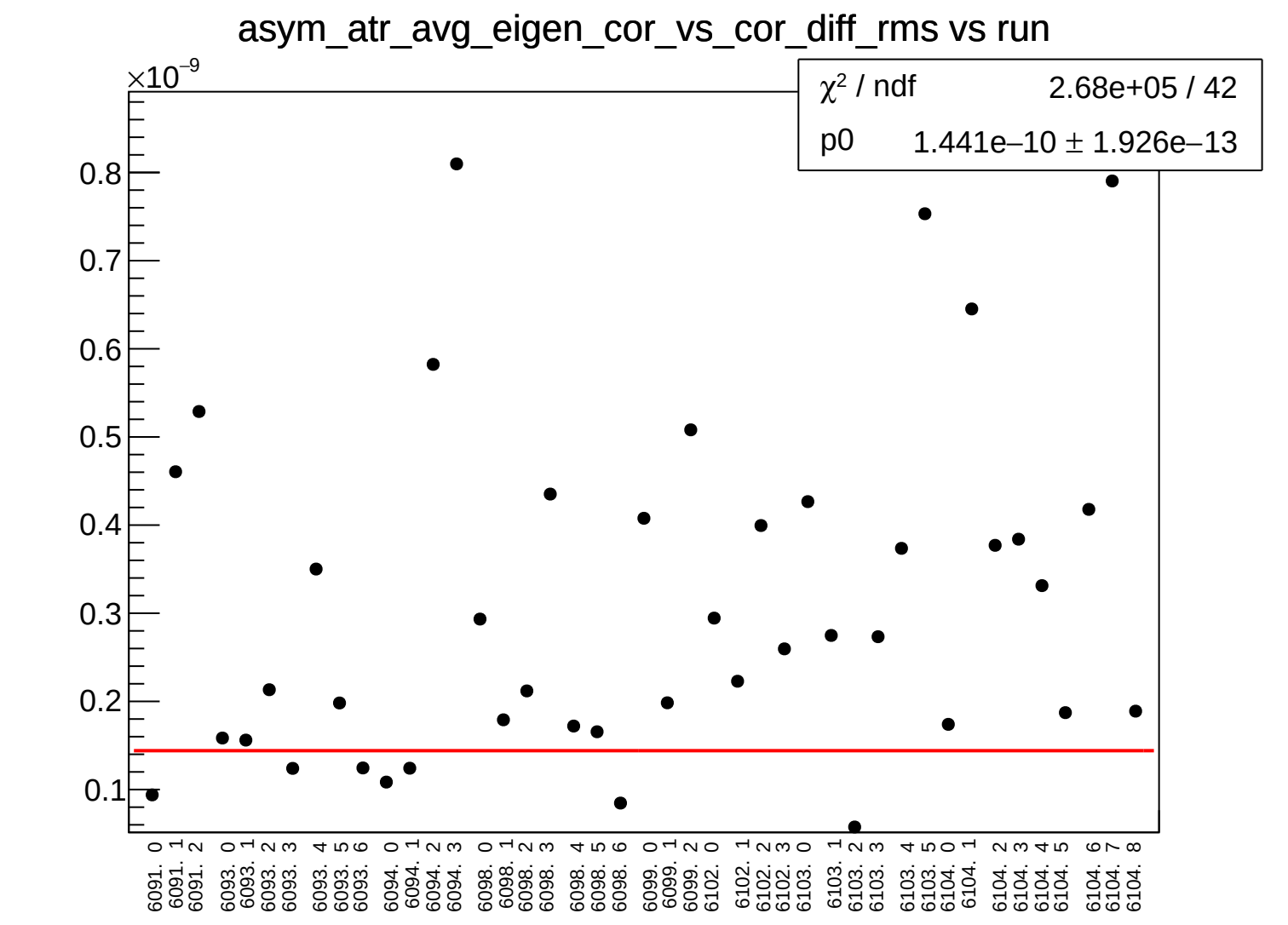

asym_atr_avg_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 55.66 / 42
p0 −0.2552 ± 0.3273
10
5
0
−5
−10
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 36.36
Std Dev 0
2
1
0
−1
−2
pull1D
Entries 43
Mean 0.053
Std Dev 1.136
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

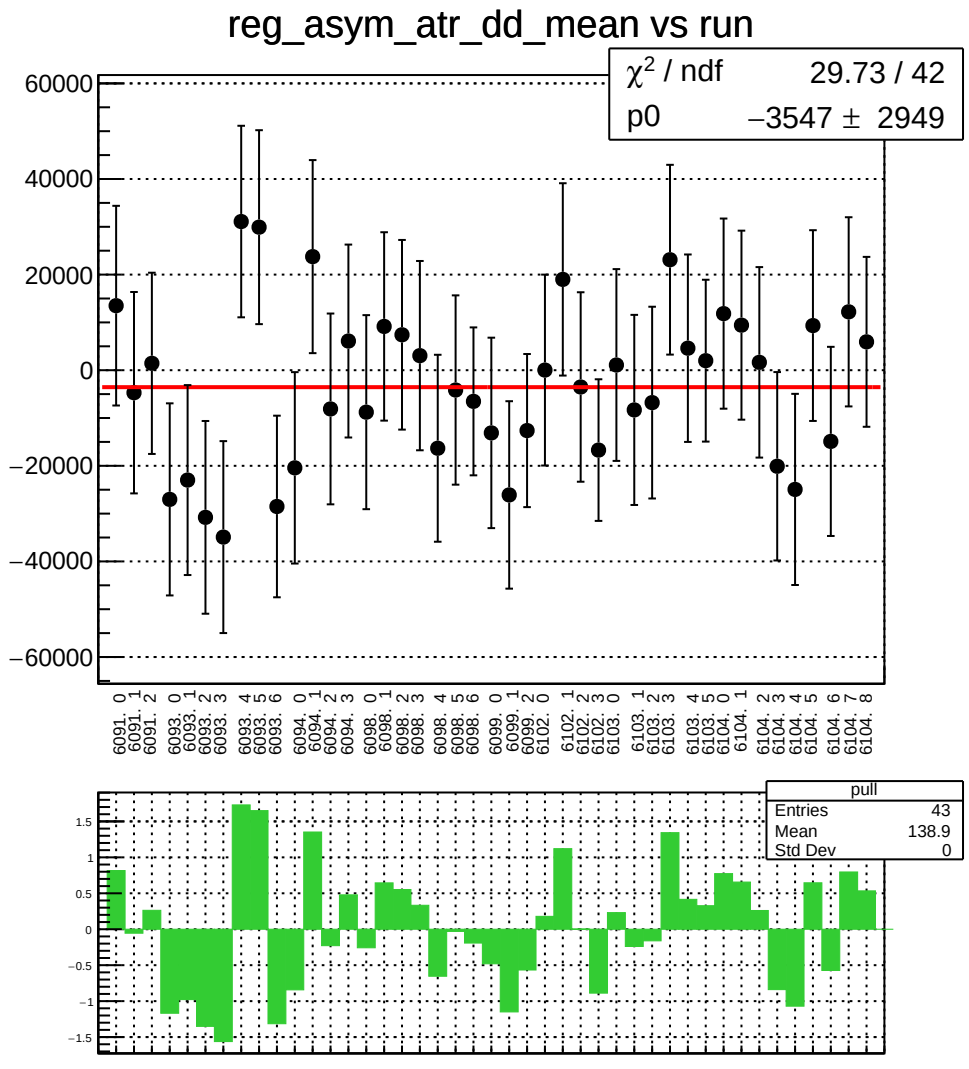

asym_atr_avg_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 8.822e+04 / 42
p0 199 ± 0.2314
400
350
300
250
200
150
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

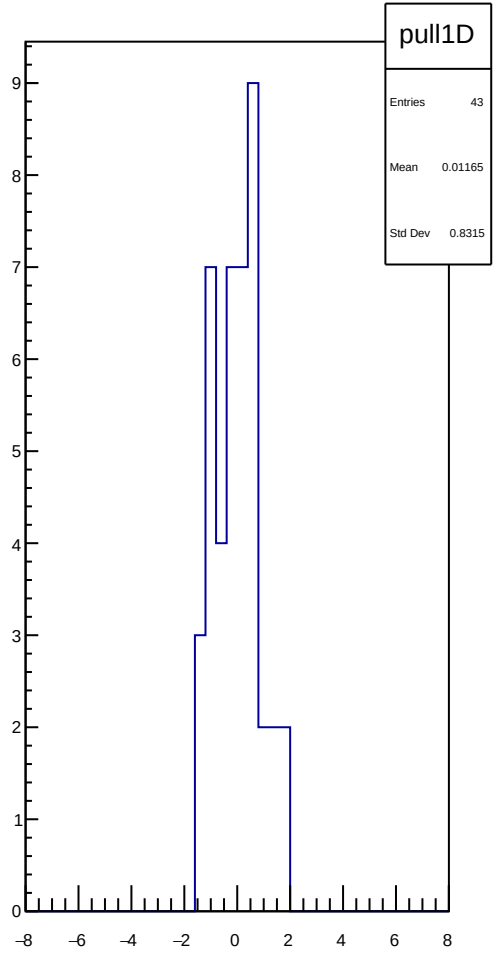

asym_atr_avg_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 55.66 / 42
p0 −0.2552 ± 0.3273
10
5
0
−5
−10
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 36.36
Std Dev 0
2
1
0
−1
−2
pull1D
Entries 43
Mean 0.053
Std Dev 1.136
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

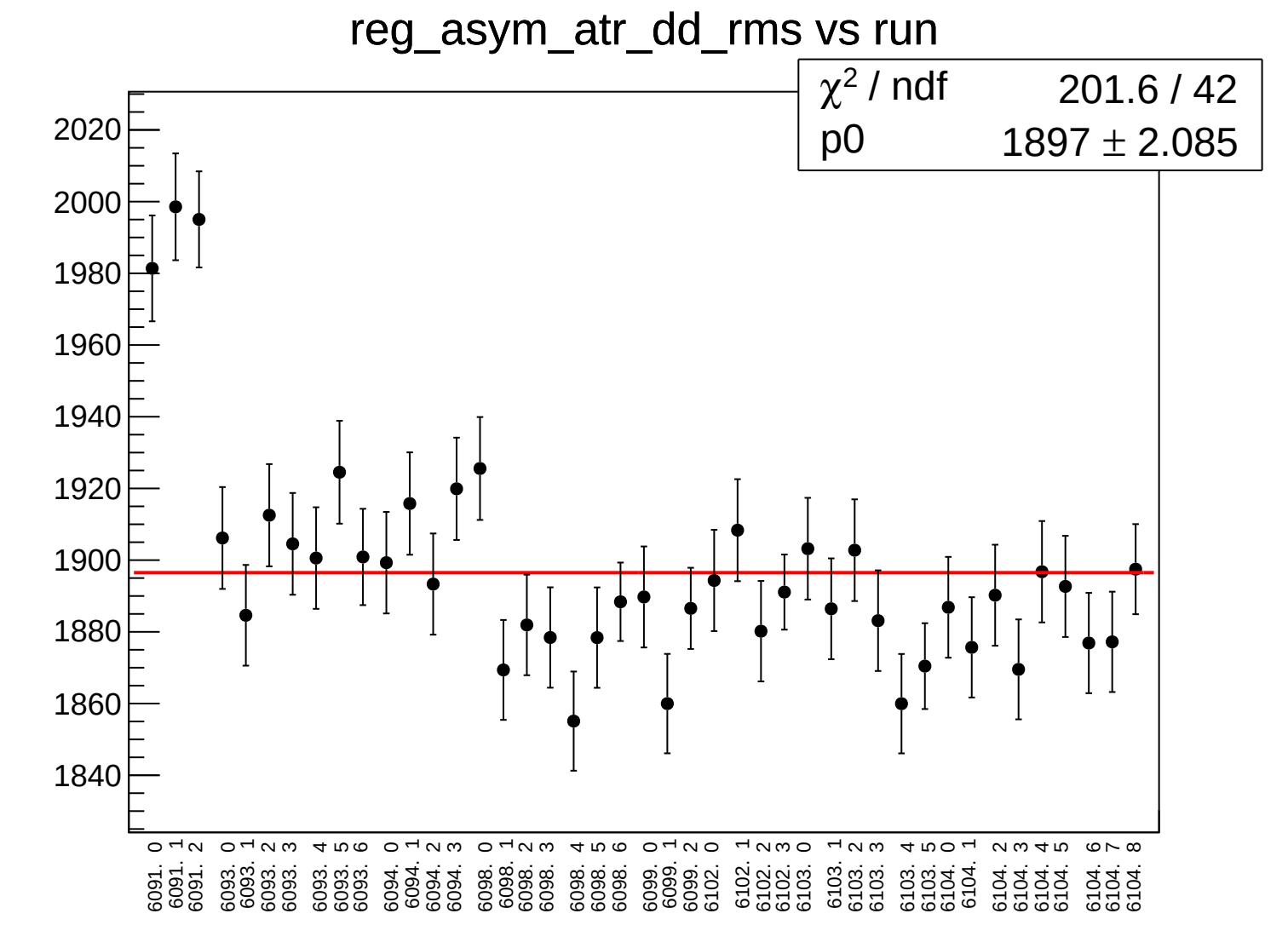

asym_atr_avg_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 8.822e+04 / 42
p0 199 ± 0.2314
400
350
300
250
200
150
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

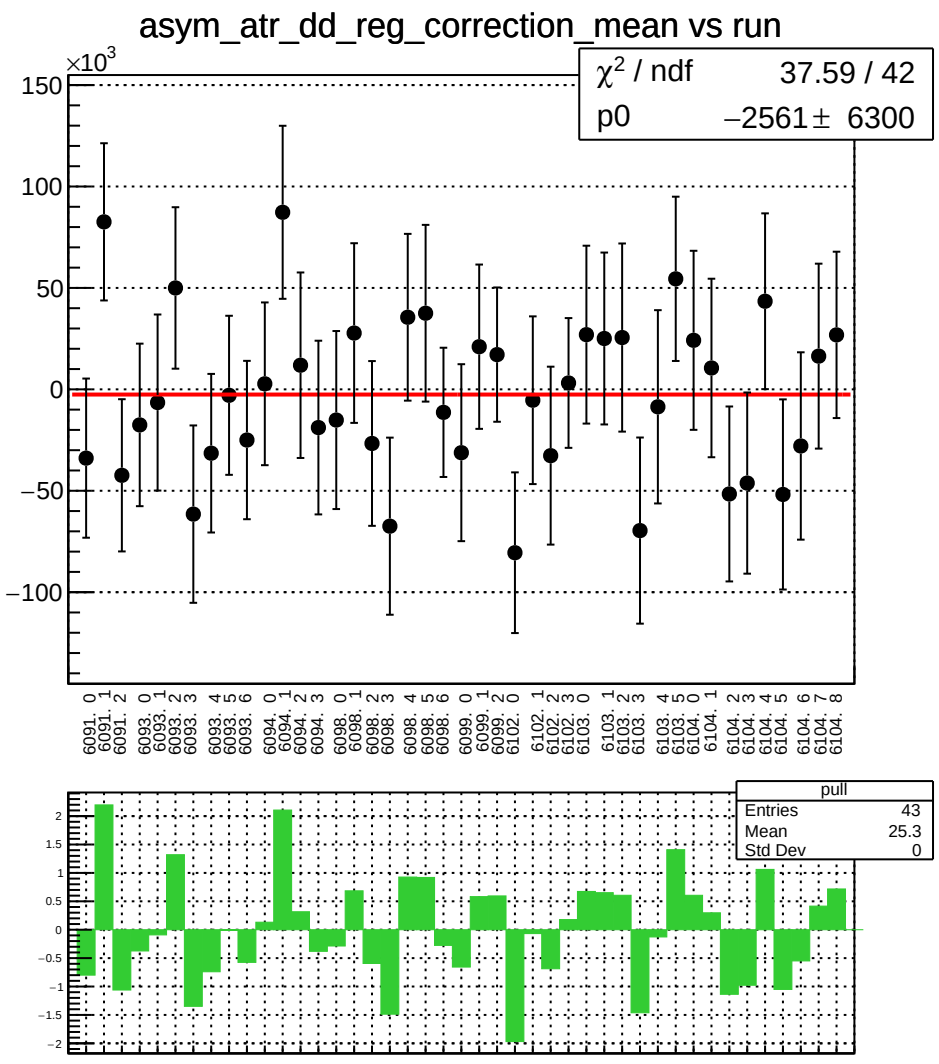

asym_atr_avg_eigen_cor_vs_cor_diff_mean vs run
×10−12
χ2 / ndf 62.47 / 42
p0 5.483e−14 ± 2.724e−13
pull
Entries 43
Mean 31.13
Std Dev 0
pull1D
Entries 43
Mean −0.1269
Std Dev 1.199

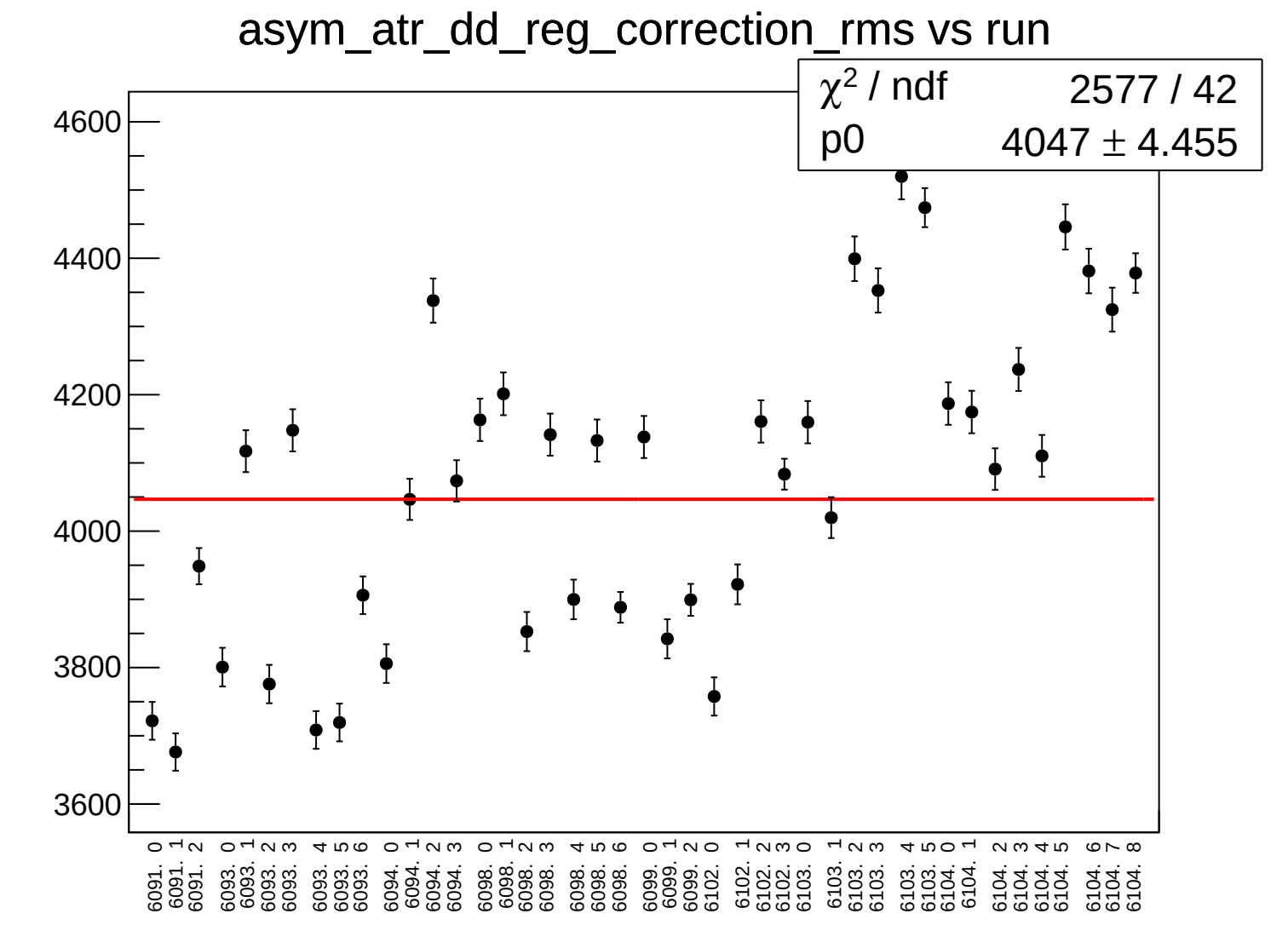

asym_atr_avg_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 2.68e+05 / 42
p0 1.441e−10 ± 1.926e−13
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

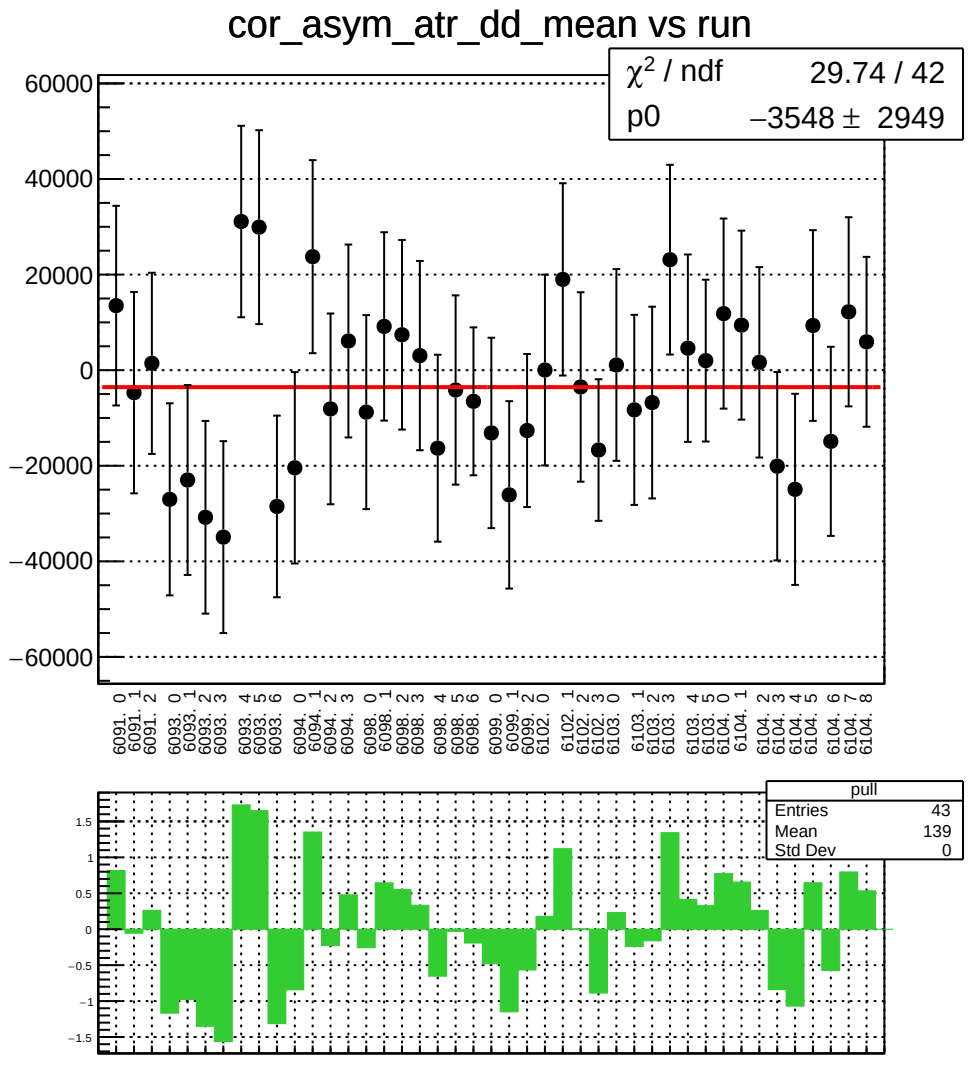

reg_asym_atr_dd_mean vs run
χ² / ndf 29.73 / 42
p0 −3547 ± 2949
60000
40000
20000
0
−20000
−40000
−60000
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 138.9
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5

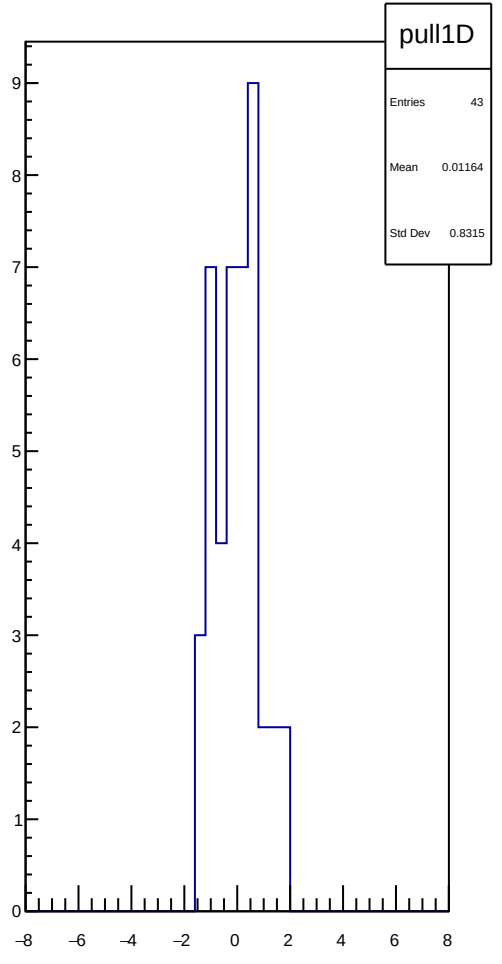

pull1D
Entries 43
Mean 0.01165
Std Dev 0.8315
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

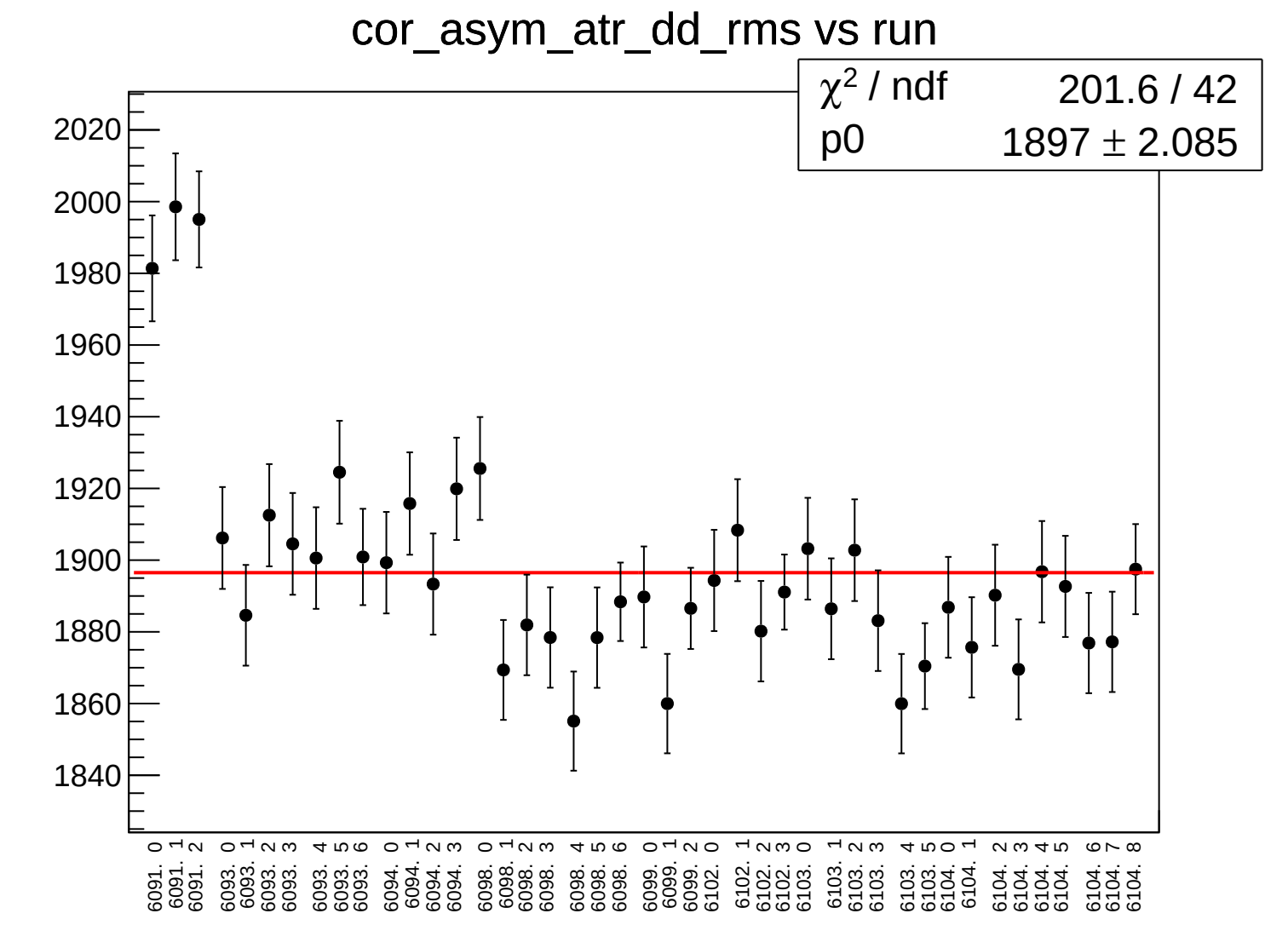

reg_asym_atr_dd_rms vs run
χ² / ndf 201.6 / 42
p0 1897 ± 2.085
2020
2000
1980
1960
1940
1920
1900
1880
1860
1840
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

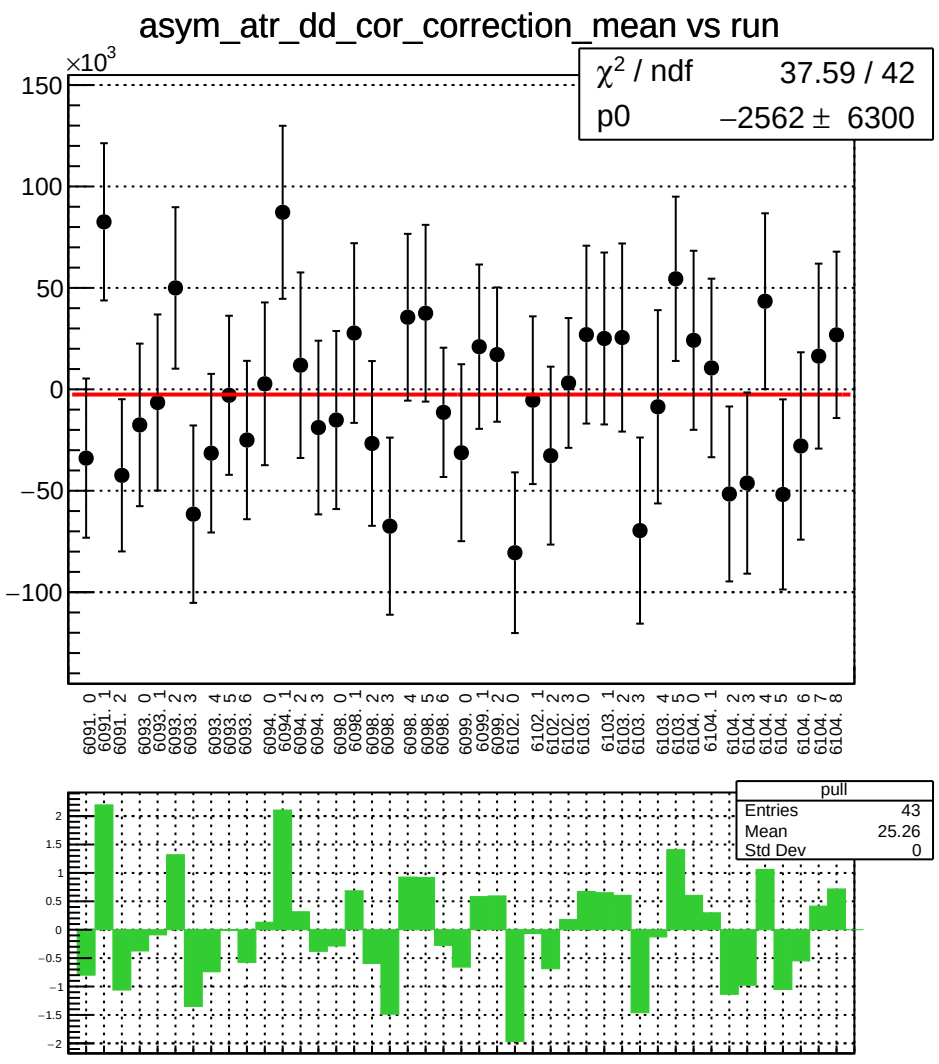

asym_atr_dd_reg_correction_mean vs run
×10^3
χ² / ndf 37.59 / 42
p0 −2561 ± 6300
150
100
50
0
−50
−100
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 25.3
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 43
Mean −0.007139
Std Dev 0.9349
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

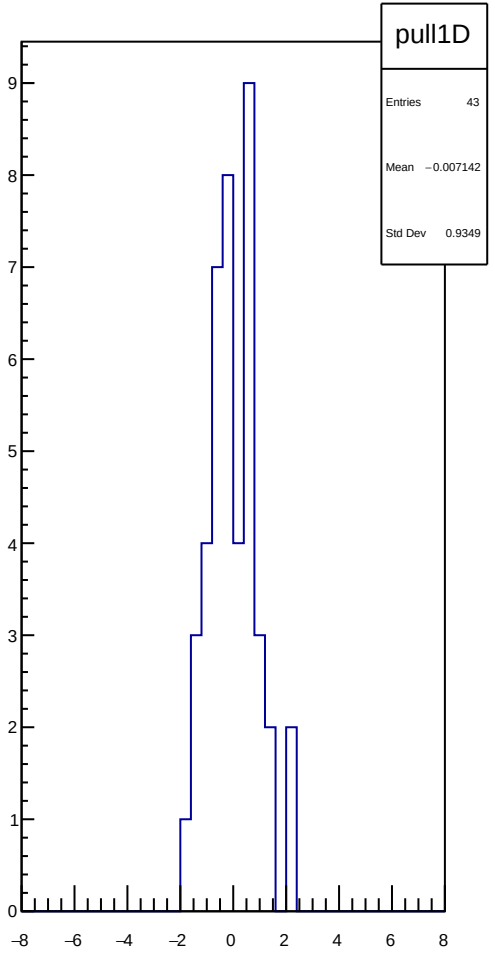

asym_atr_dd_reg_correction_rms vs run
χ² / ndf 2577 / 42
p0 4047 ± 4.455
4600
4400
4200
4000
3800
3600
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

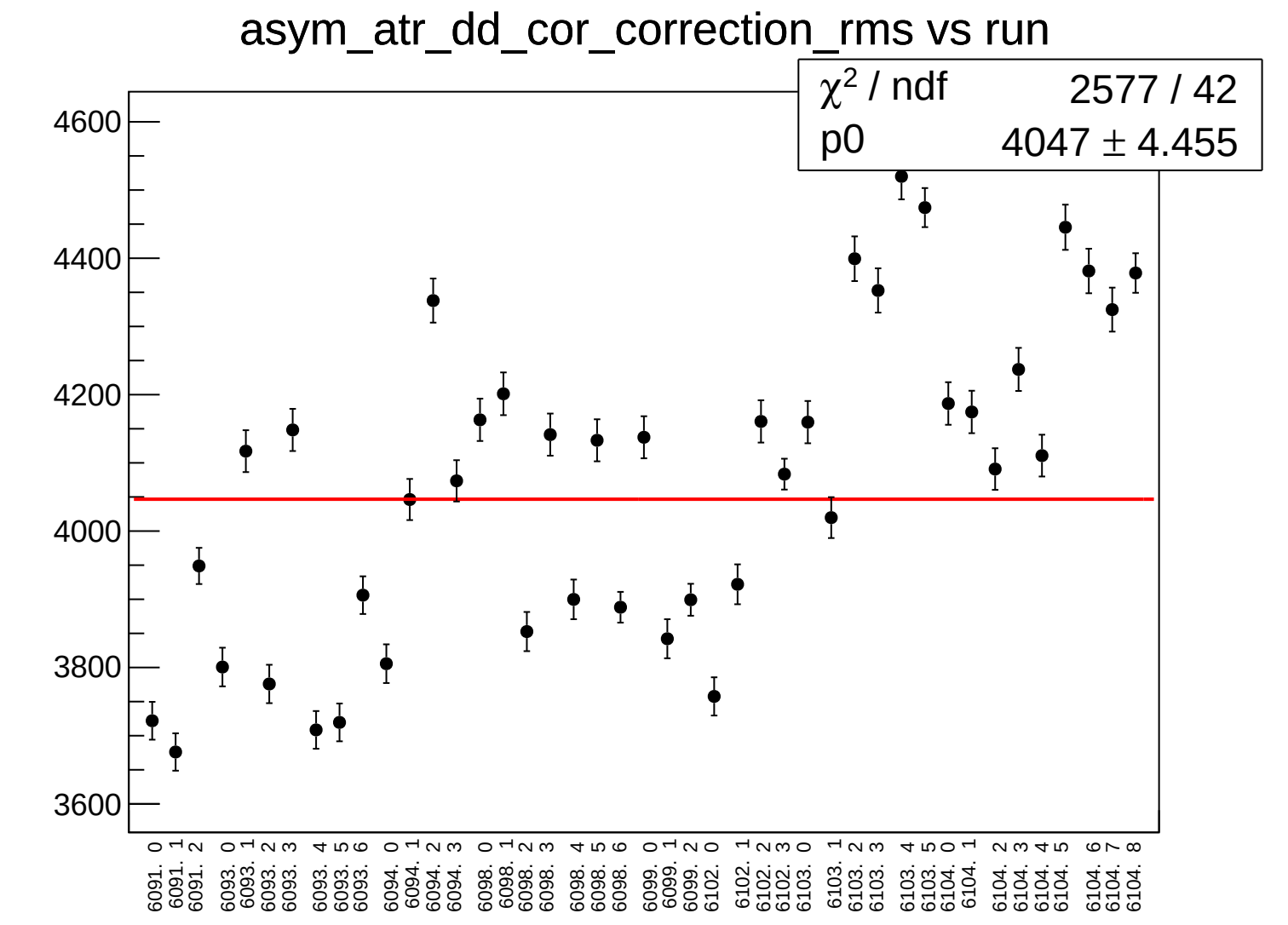

cor_asym_atr_dd_mean vs run
χ² / ndf 29.74 / 42
p0 −3548 ± 2949
60000
40000
20000
0
−20000
−40000
−60000
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 139
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5

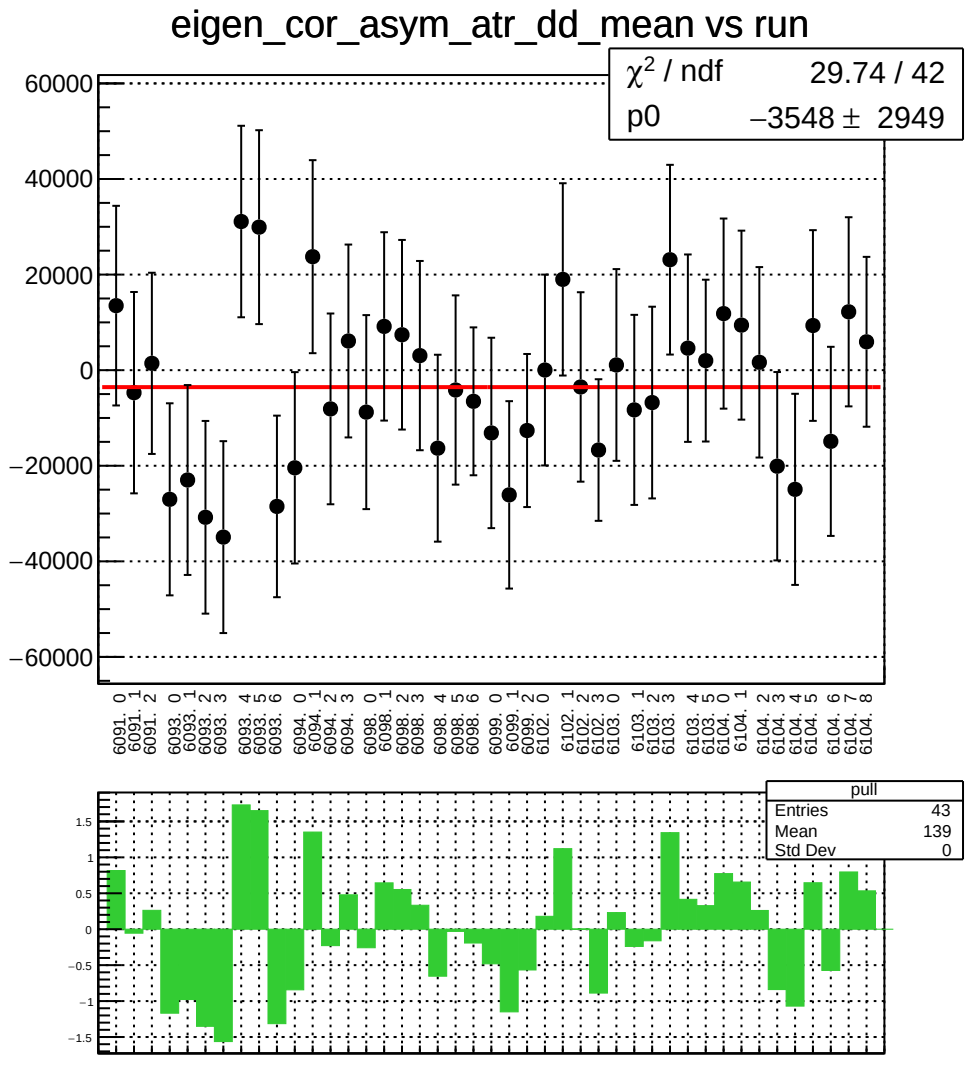

pull1D
Entries 43
Mean 0.01164
Std Dev 0.8315
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

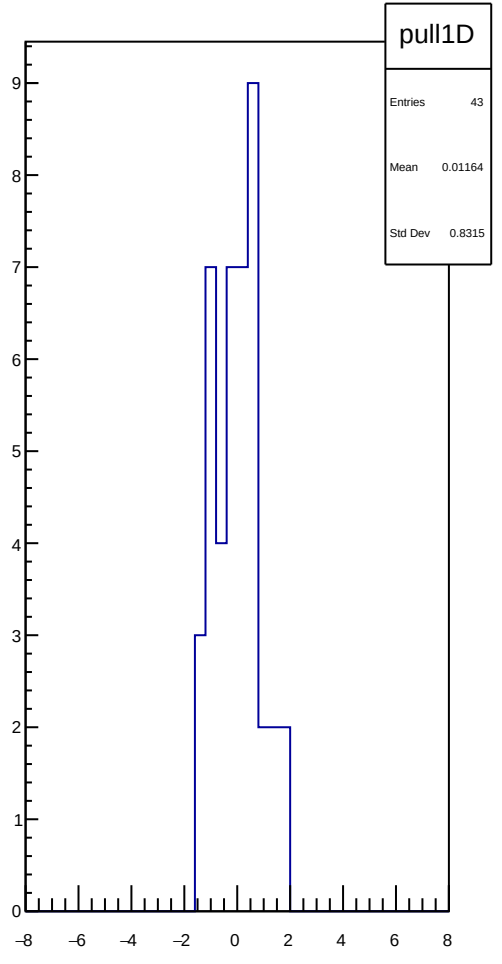

cor_asym_atr_dd_rms vs run
χ² / ndf 201.6 / 42
p0 1897 ± 2.085
2020
2000
1980
1960
1940
1920
1900
1880
1860
1840
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

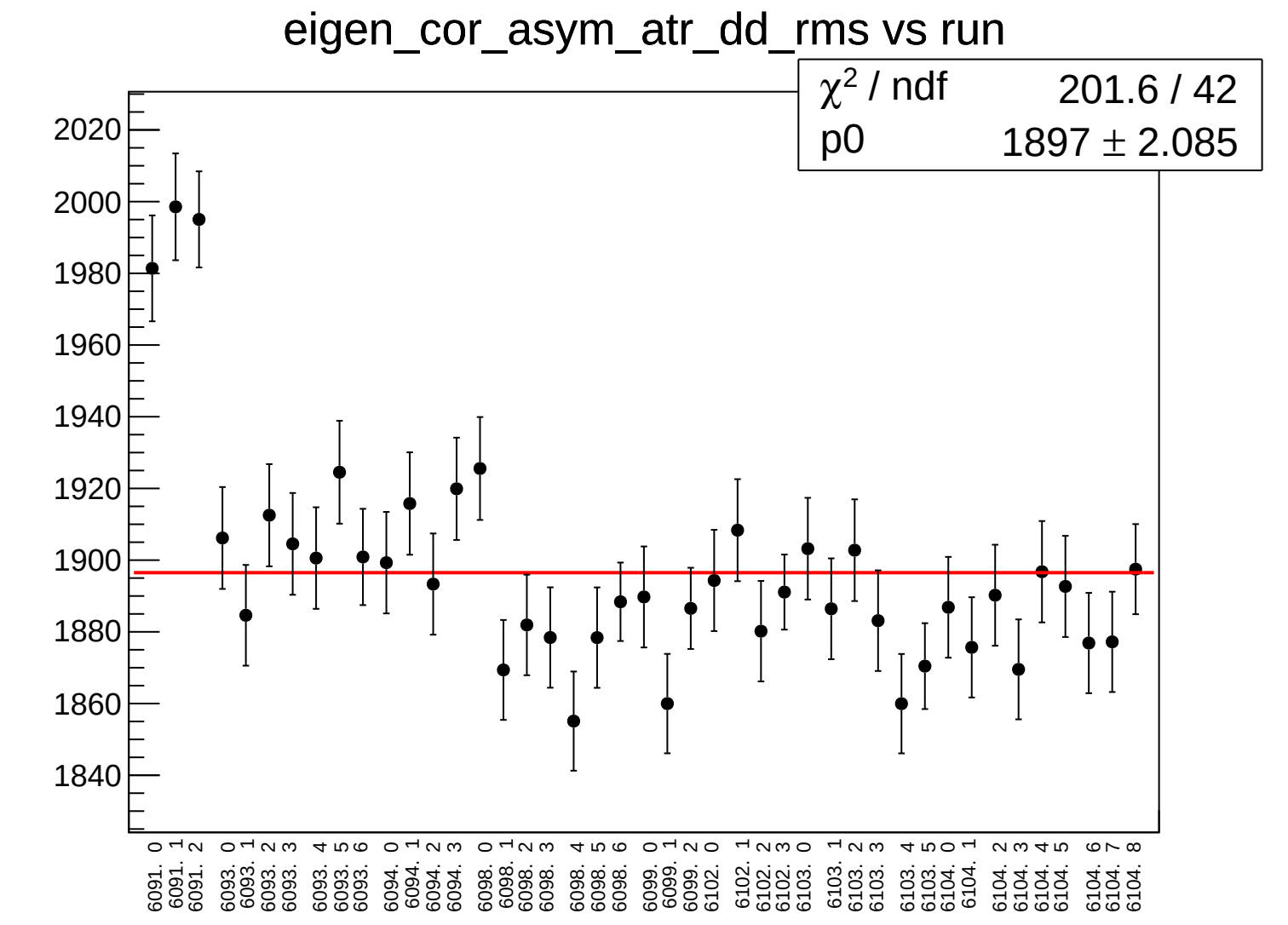

asym_atr_dd_cor_correction_mean vs run
×10^3
χ² / ndf 37.59 / 42
p0 −2562 ± 6300
150
100
50
0
−50
−100
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 25.26
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

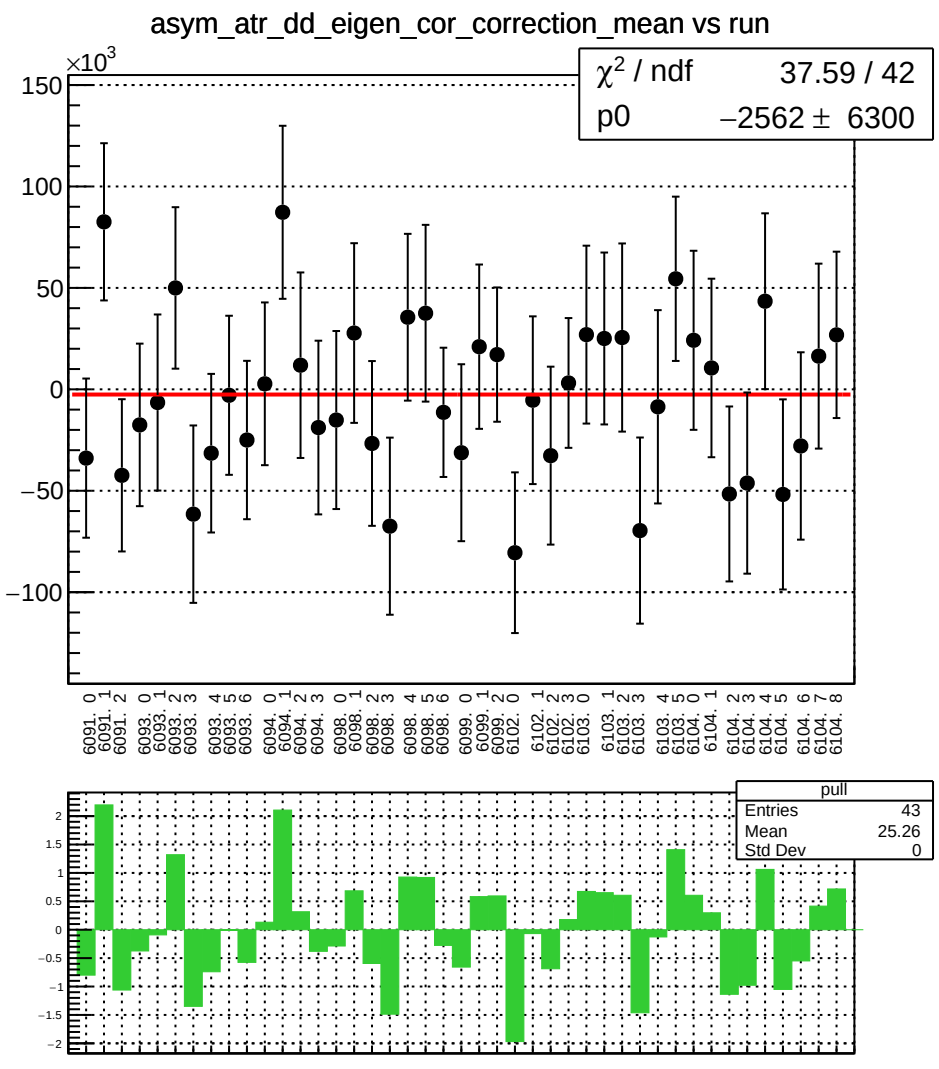

pull1D
Entries 43
Mean −0.007142
Std Dev 0.9349
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

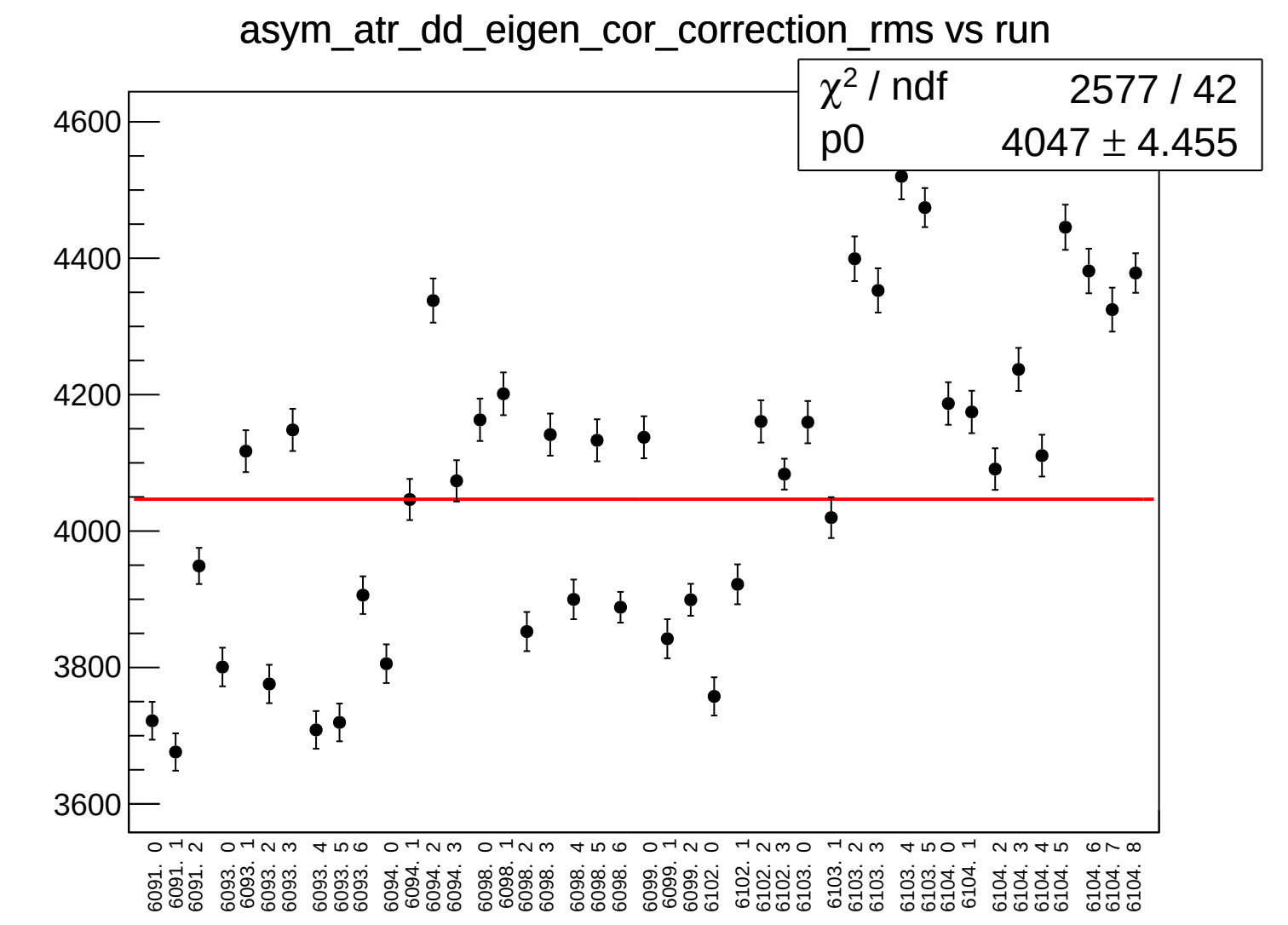

asym_atr_dd_cor_correction_rms vs run
χ² / ndf 2577 / 42
p0 4047 ± 4.455
4600
4400
4200
4000
3800
3600
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

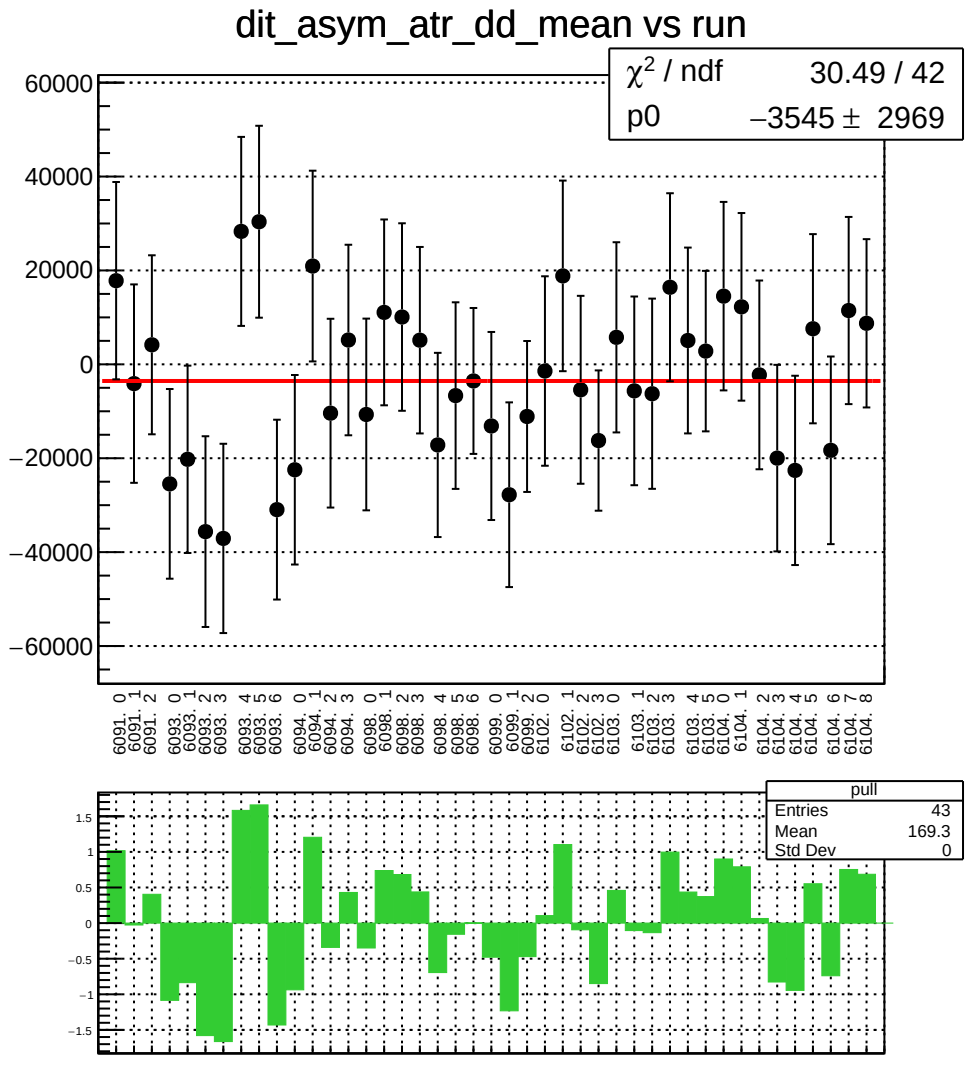

eigen_cor_asym_atr_dd_mean vs run
χ² / ndf 29.74 / 42
p0 −3548 ± 2949
60000
40000
20000
0
−20000
−40000
−60000
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 139
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5

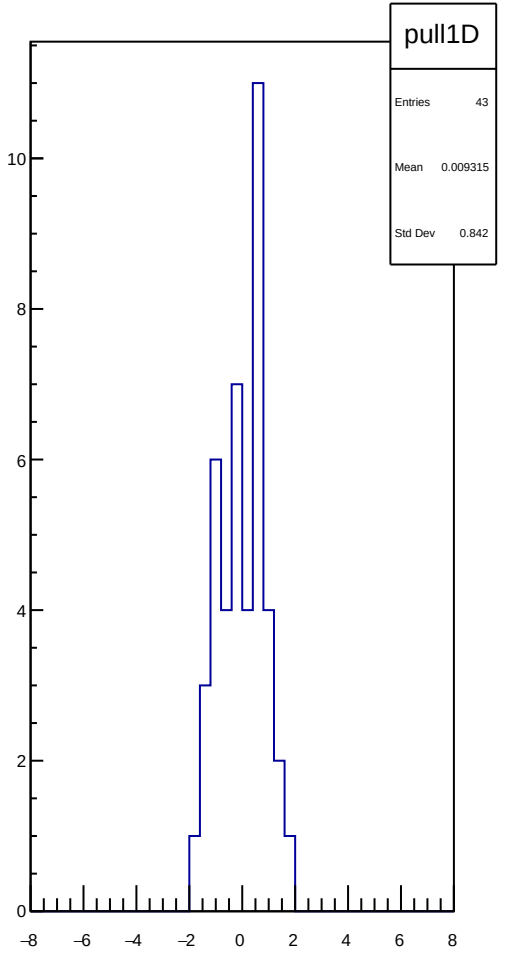

pull1D
Entries 43
Mean 0.01164
Std Dev 0.8315
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

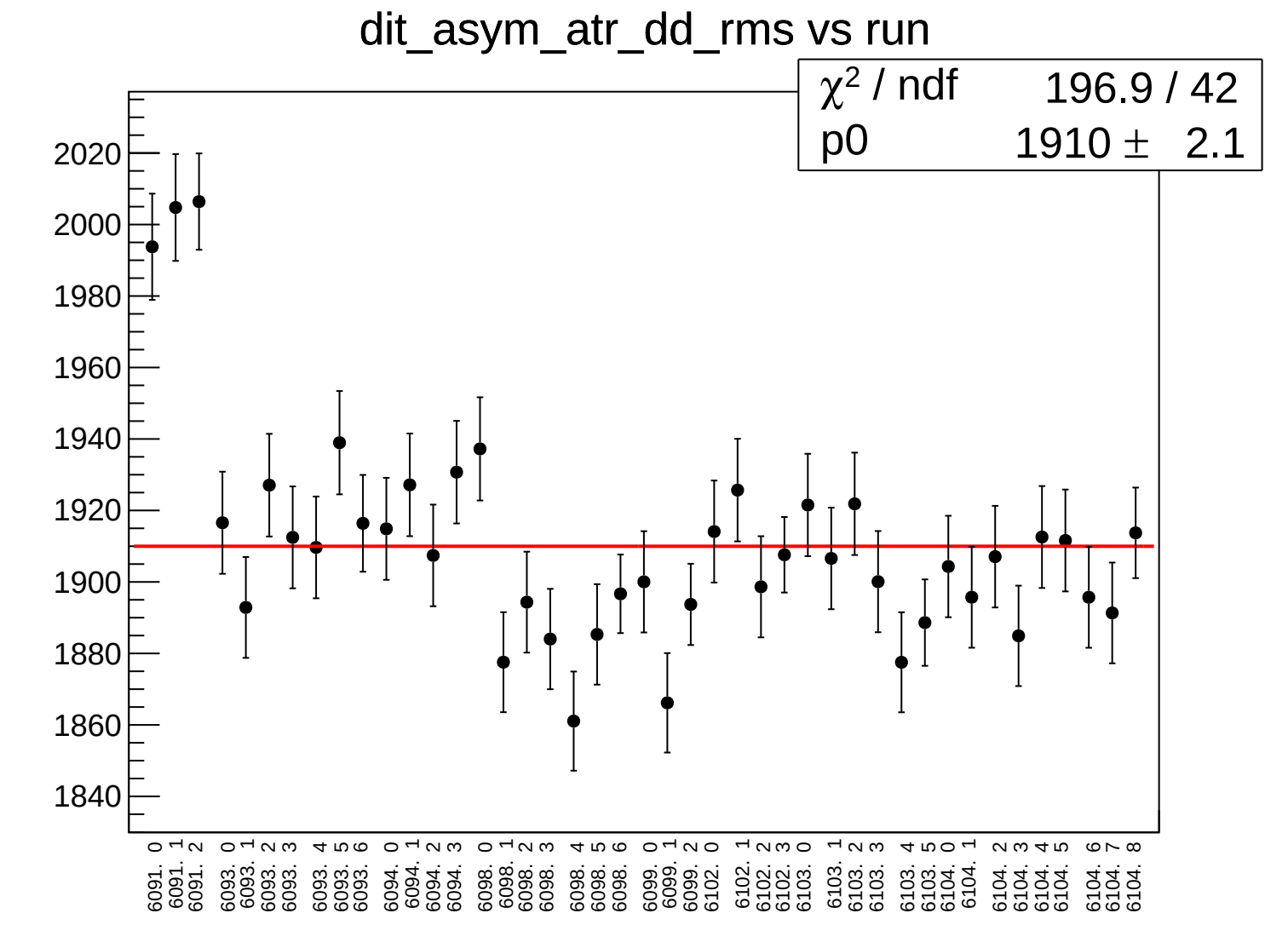

eigen_cor_asym_atr_dd_rms vs run
χ² / ndf 201.6 / 42
p0 1897 ± 2.085
2020
2000
1980
1960
1940
1920
1900
1880
1860
1840
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

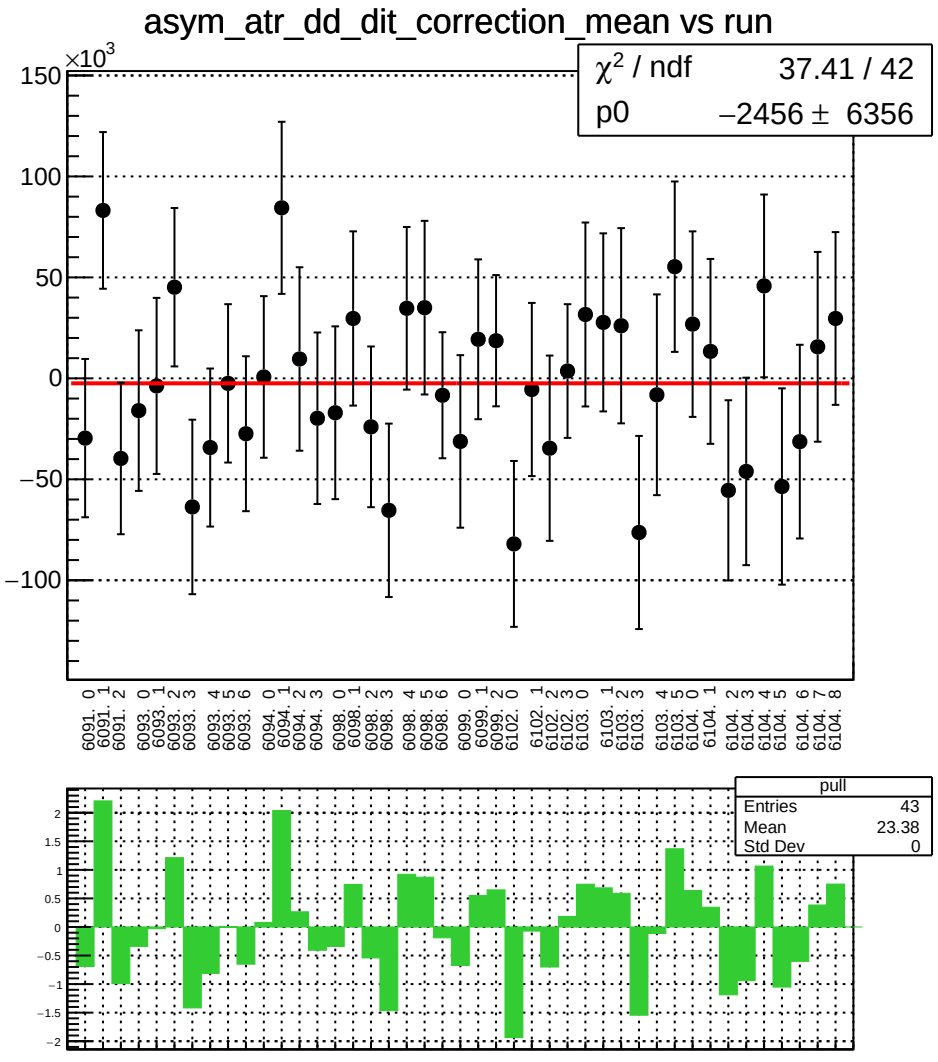

asym_atr_dd_eigen_cor_correction_mean vs run
×10^3
χ² / ndf 37.59 / 42
p0 −2562 ± 6300
150
100
50
0
−50
−100
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 25.26
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 43
Mean −0.007142
Std Dev 0.9349
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

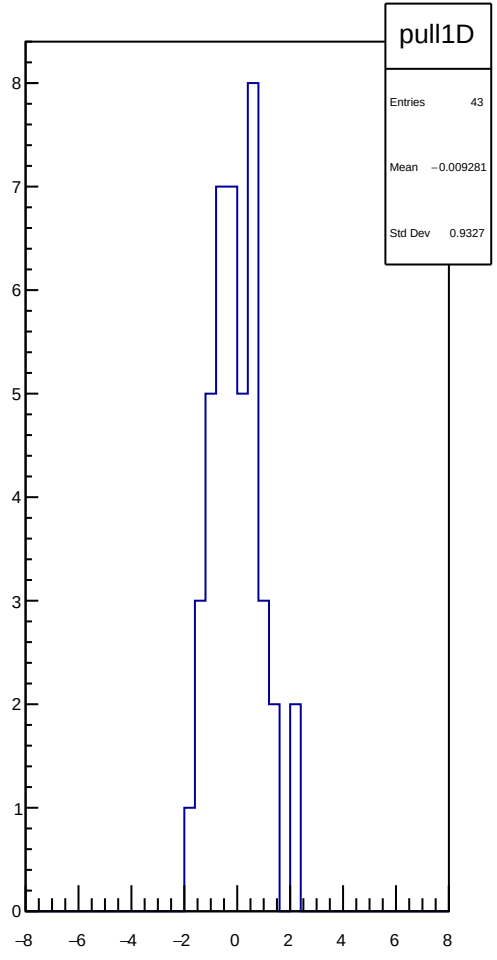

asym_atr_dd_eigen_cor_correction_rms vs run
χ² / ndf 2577 / 42
p0 4047 ± 4.455
4600
4400
4200
4000
3800
3600
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

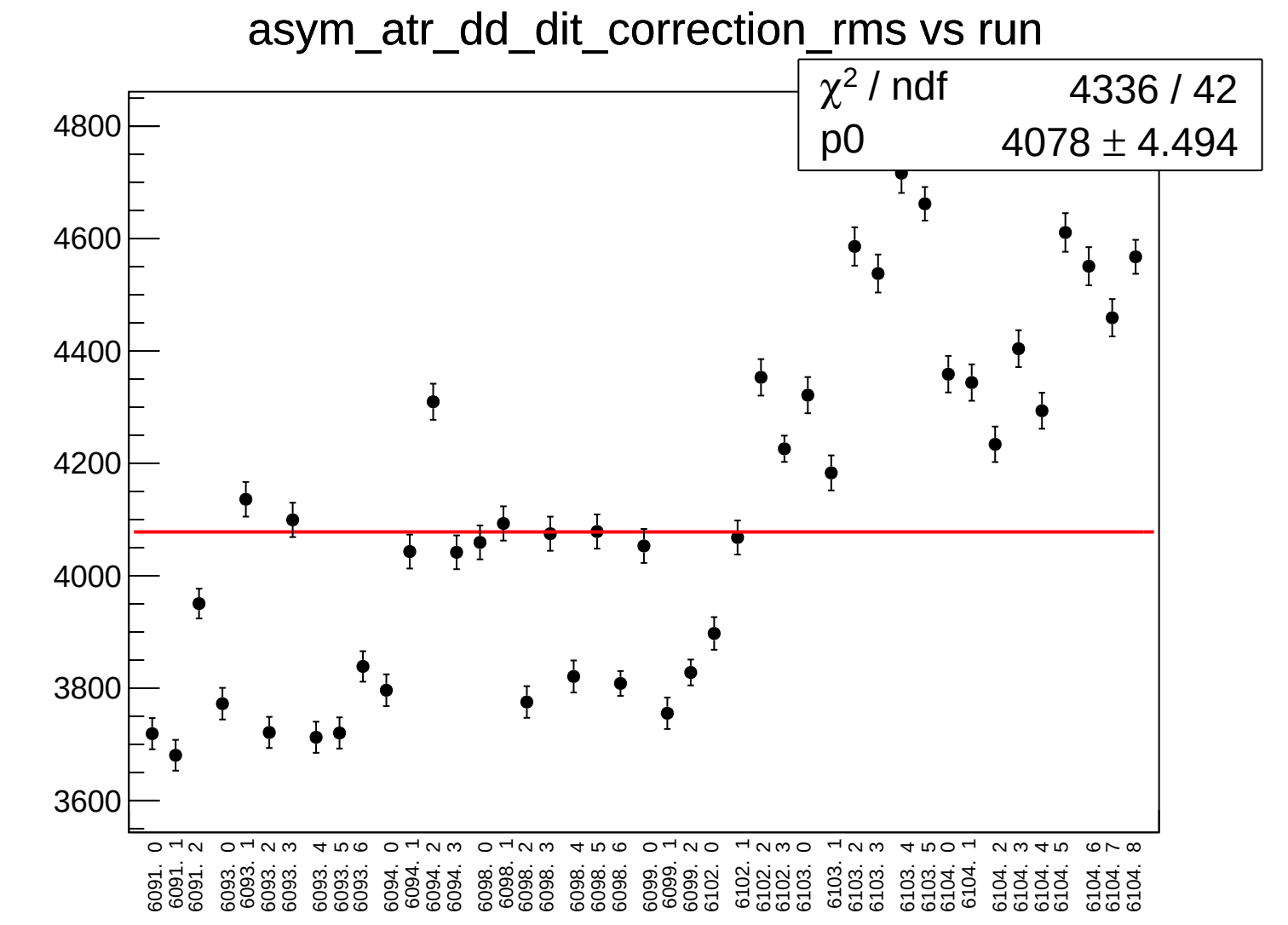

dit_asym_atr_dd_mean vs run
χ² / ndf 30.49 / 42
p0 −3545 ± 2969
60000
40000
20000
0
−20000
−40000
−60000
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 169.3
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5

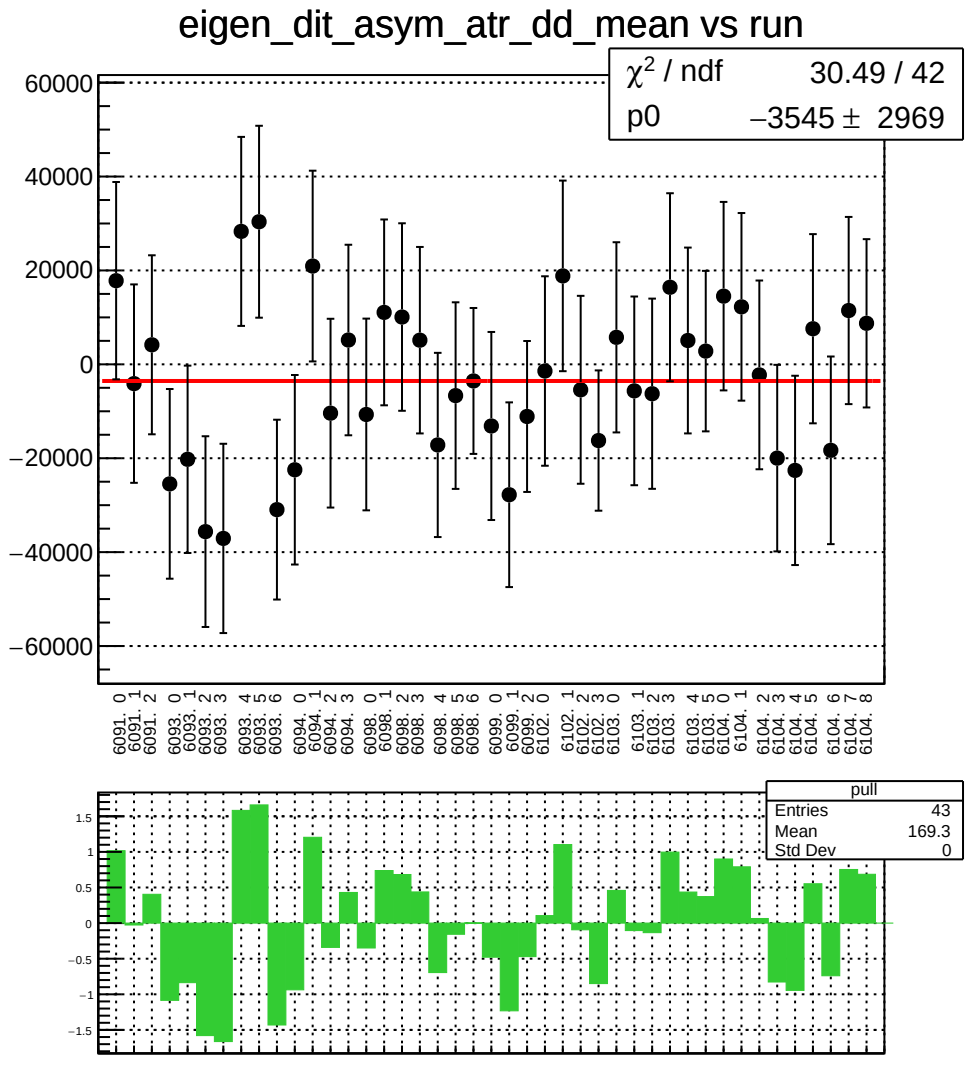

pull1D
Entries 43
Mean 0.009315
Std Dev 0.842
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

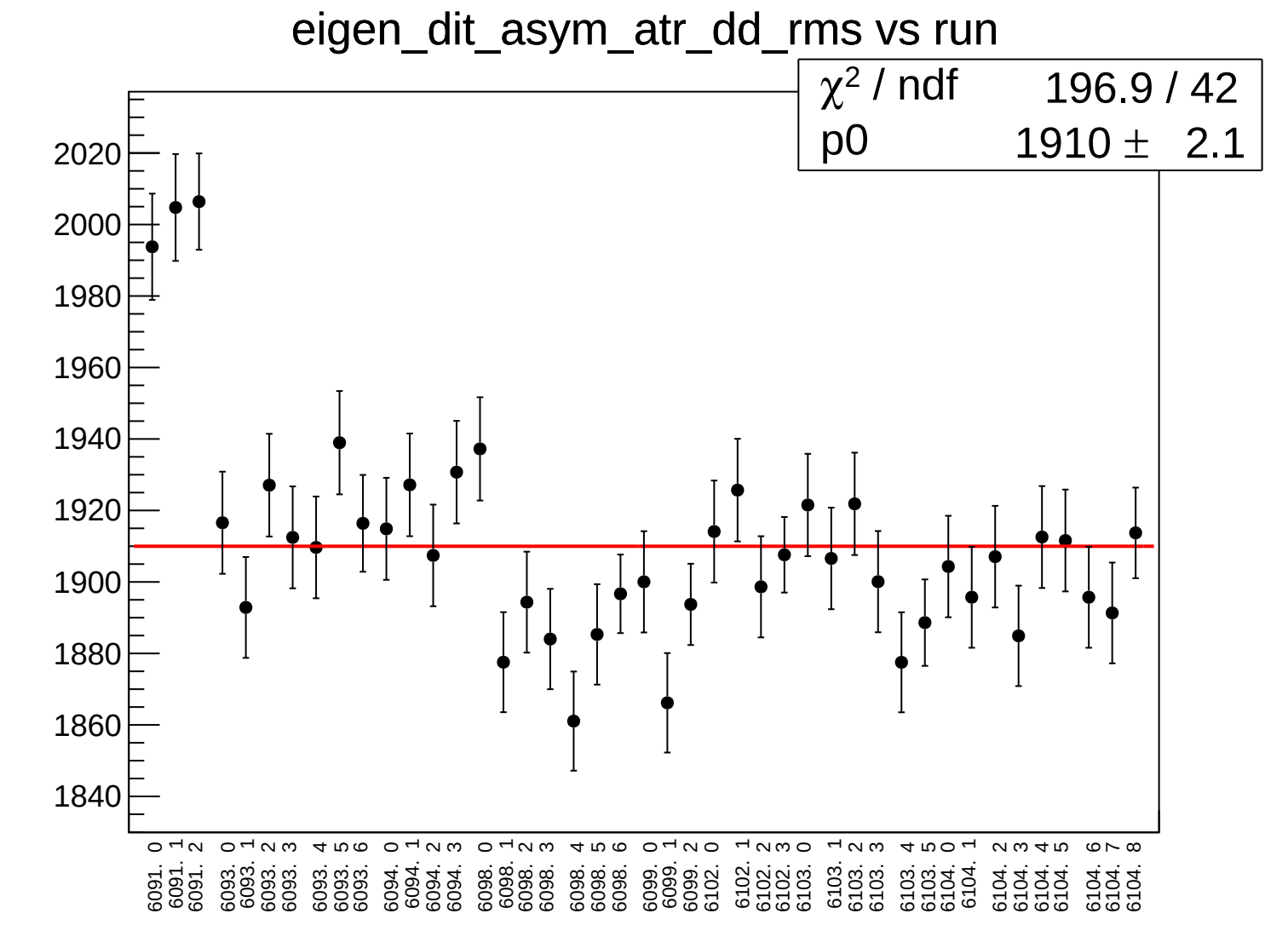

dit_asym_atr_dd_rms vs run
χ² / ndf 196.9 / 42
p0 1910 ± 2.1
2020
2000
1980
1960
1940
1920
1900
1880
1860
1840
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

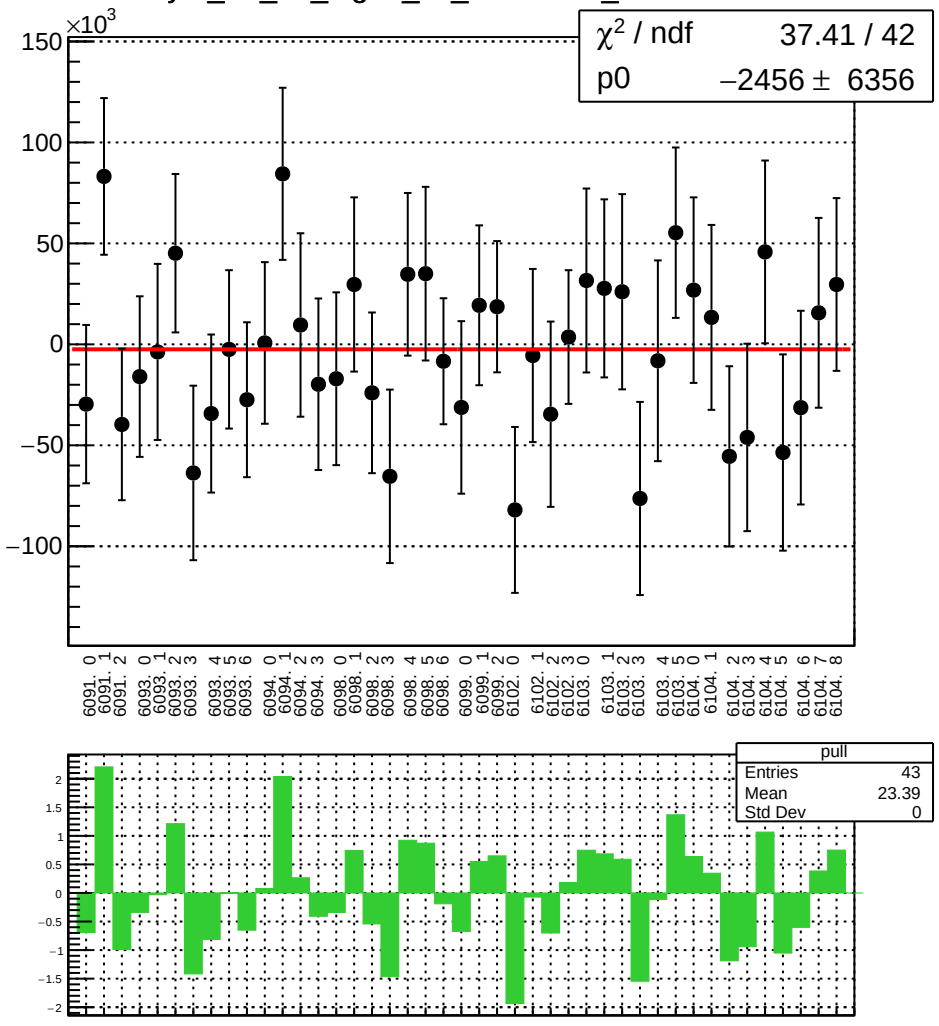

asym_atr_dd_dit_correction_mean vs run
×10^3
χ² / ndf 37.41 / 42
p0 −2456 ± 6356
150
100
50
0
−50
−100
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 23.38
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

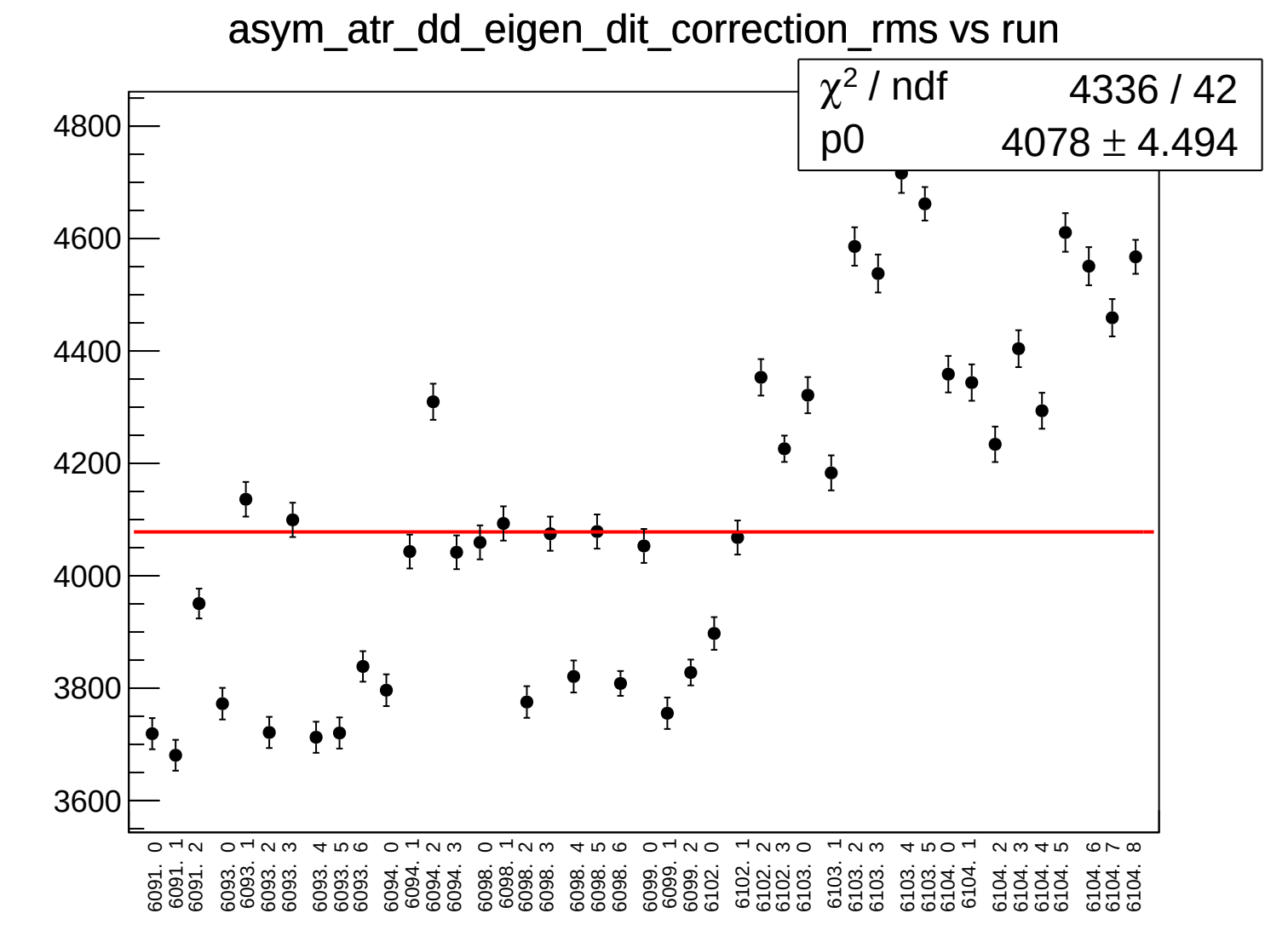

pull1D
Entries 43
Mean −0.009281
Std Dev 0.9327
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

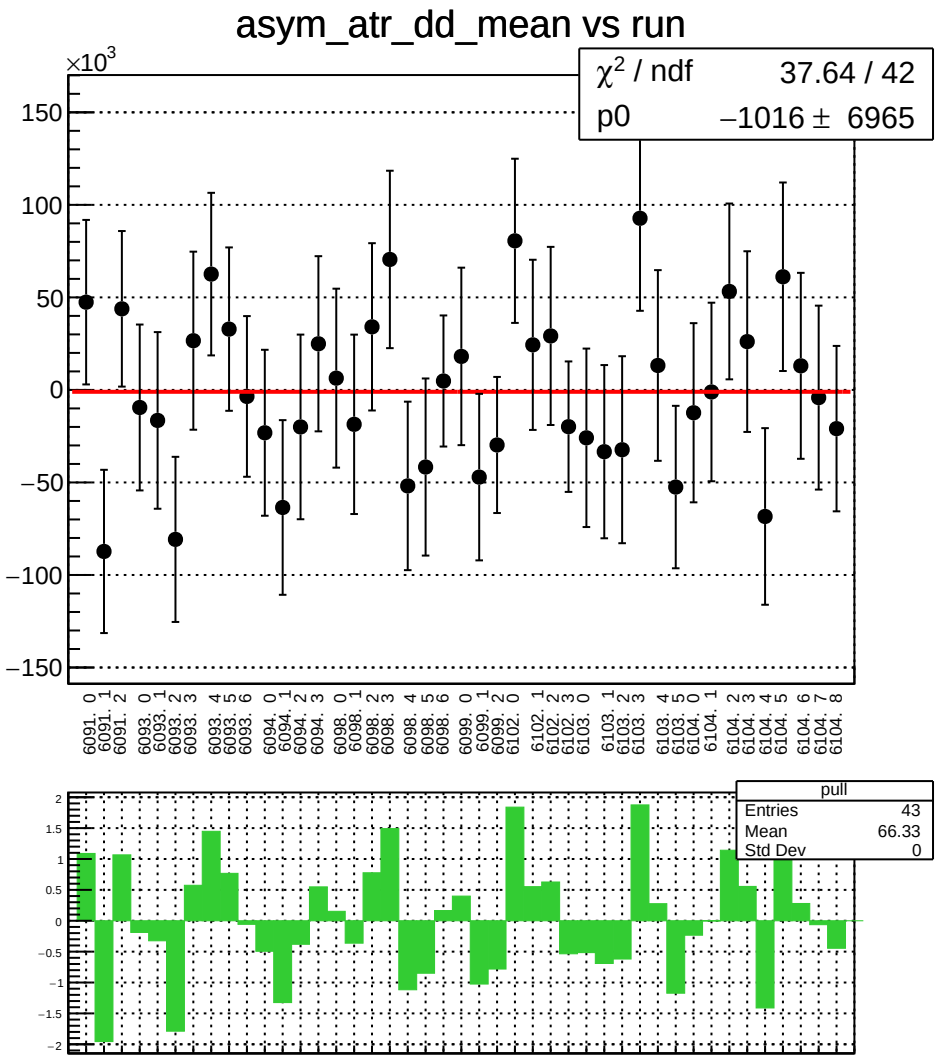

asym_atr_dd_dit_correction_rms vs run
χ² / ndf 4336 / 42
p0 4078 ± 4.494
4800
4600
4400
4200
4000
3800
3600
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

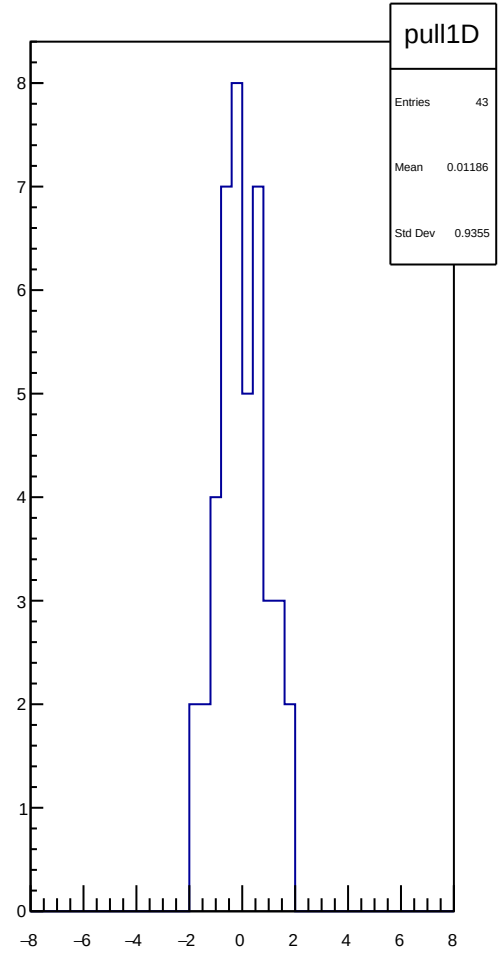

eigen_dit_asym_atr_dd_mean vs run
χ² / ndf 30.49 / 42
p0 −3545 ± 2969
60000
40000
20000
0
−20000
−40000
−60000
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 169.3
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 43
Mean 0.009315
Std Dev 0.842
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

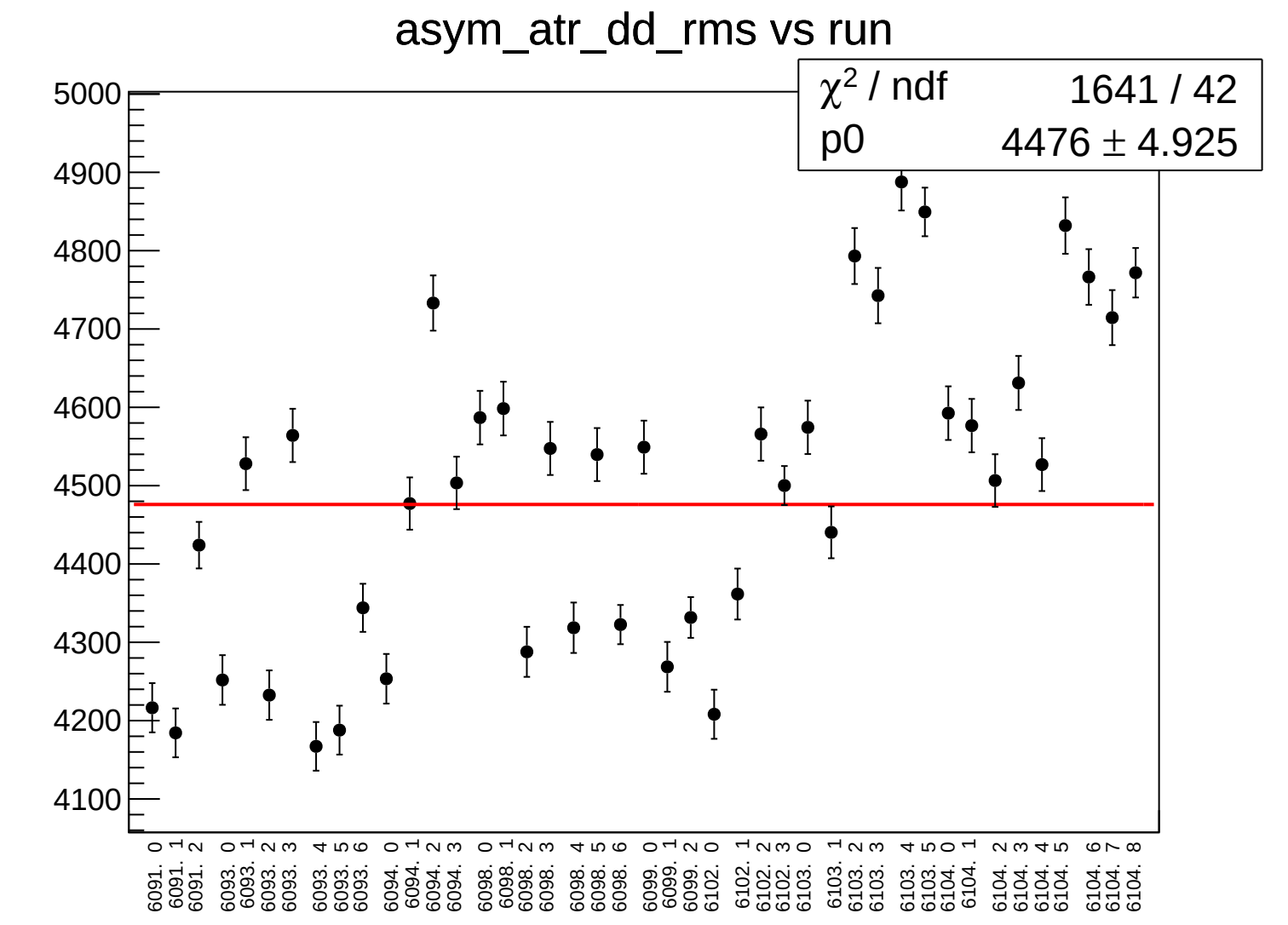

eigen_dit_asym_atr_dd_rms vs run
χ² / ndf 196.9 / 42
p0 1910 ± 2.1
2020
2000
1980
1960
1940
1920
1900
1880
1860
1840
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

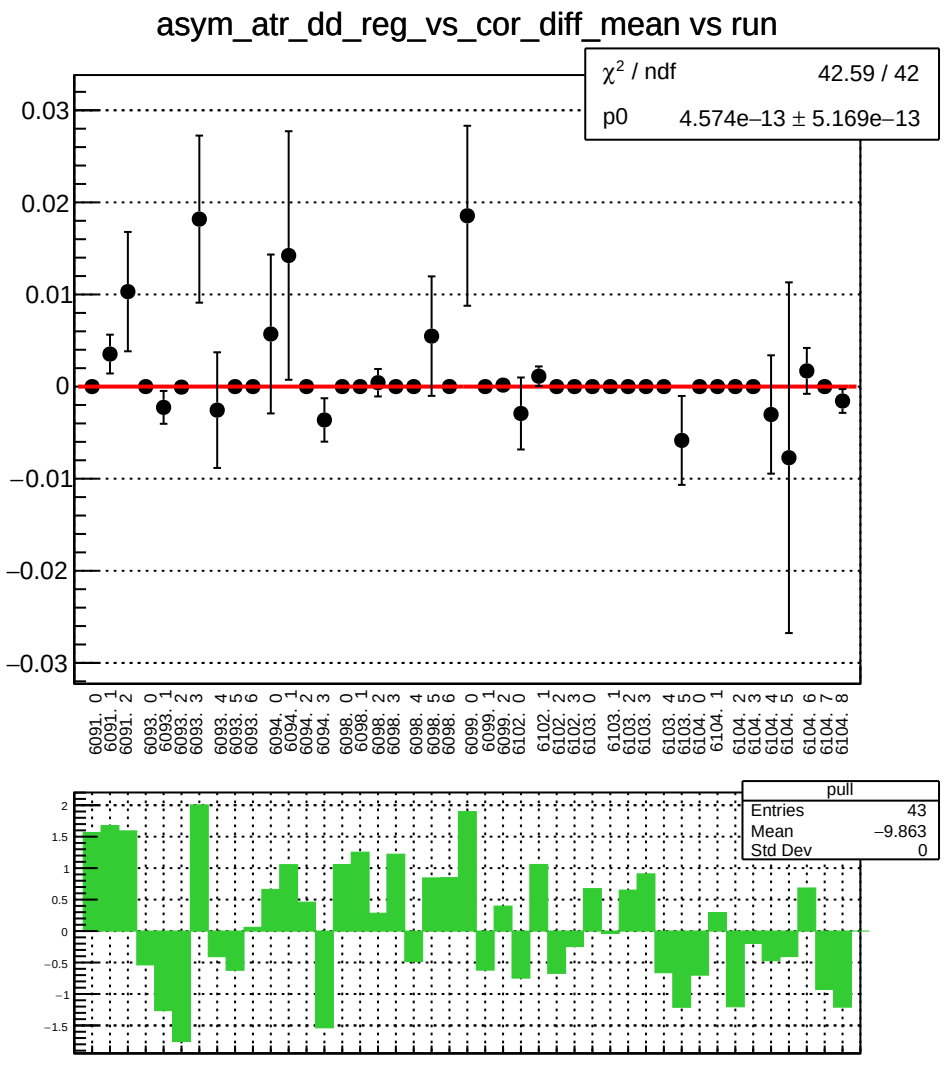

asym_atr_dd_eigen_dit_correction_mean vs run
×10^3
χ² / ndf 37.41 / 42
p0 −2456 ± 6356
150
100
50
0
−50
−100
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 23.39
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 43
Mean −0.009281
Std Dev 0.9327
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

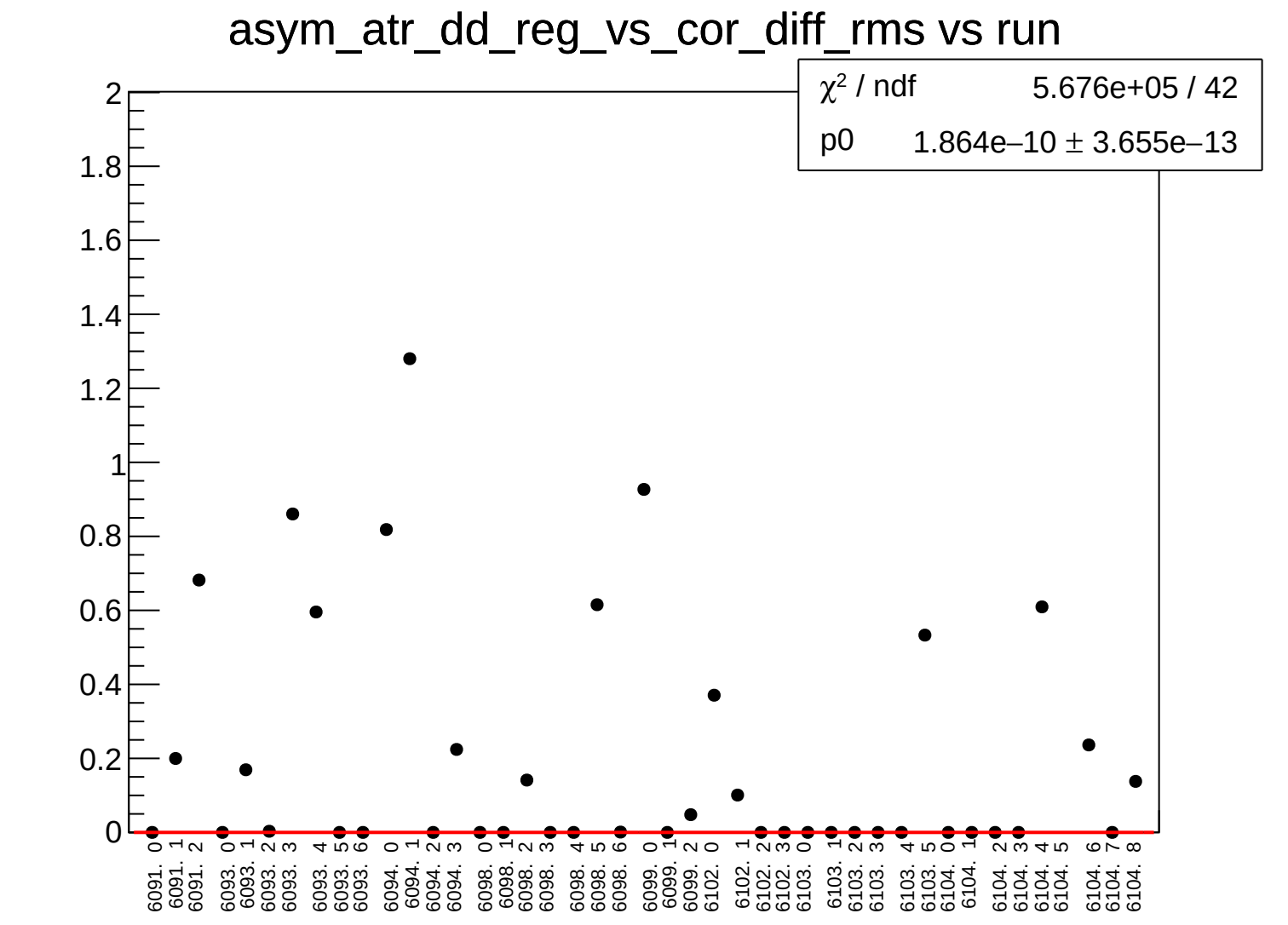

asym_atr_dd_eigen_dit_correction_rms vs run
χ² / ndf 4336 / 42
p0 4078 ± 4.494
4800
4600
4400
4200
4000
3800
3600
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

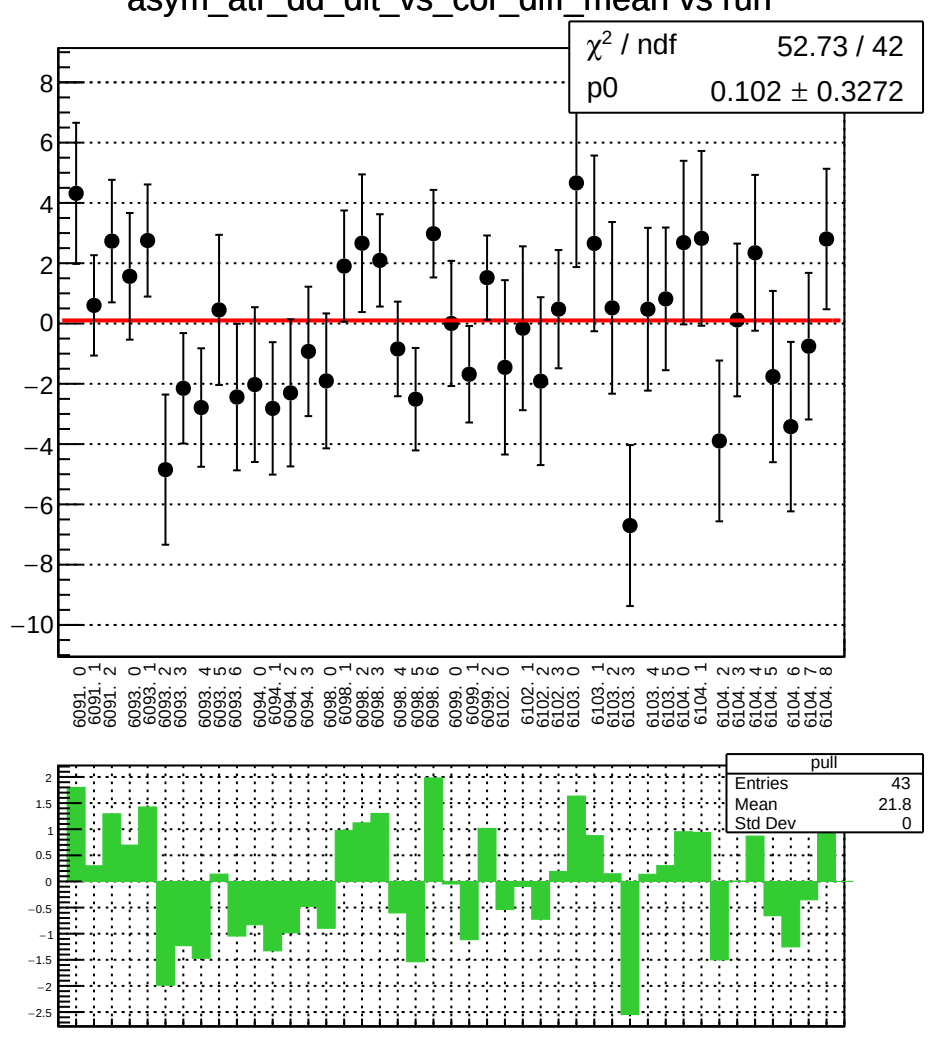

asym_atr_dd_mean vs run
×10^3
χ² / ndf 37.64 / 42
p0 −1016 ± 6965
150
100
50
0
−50
−100
−150
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 66.33
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

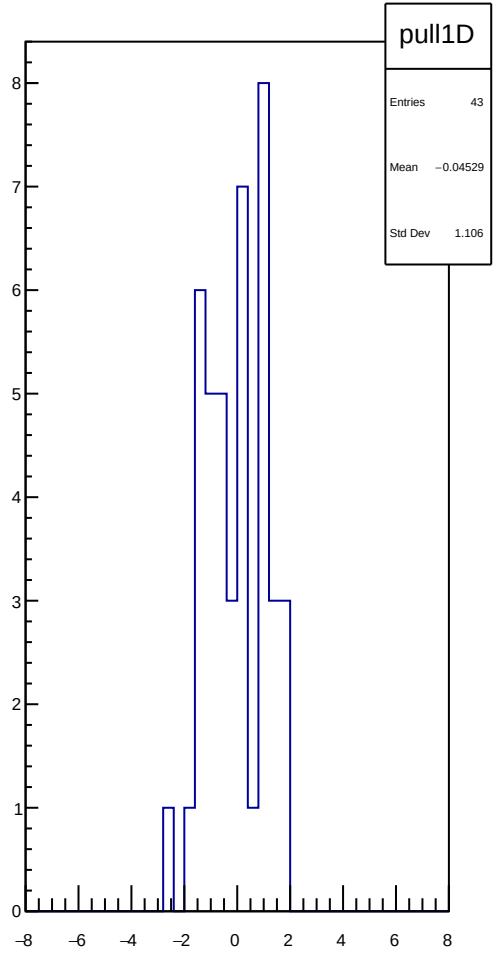

pull1D
Entries 43
Mean 0.01186
Std Dev 0.9355
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

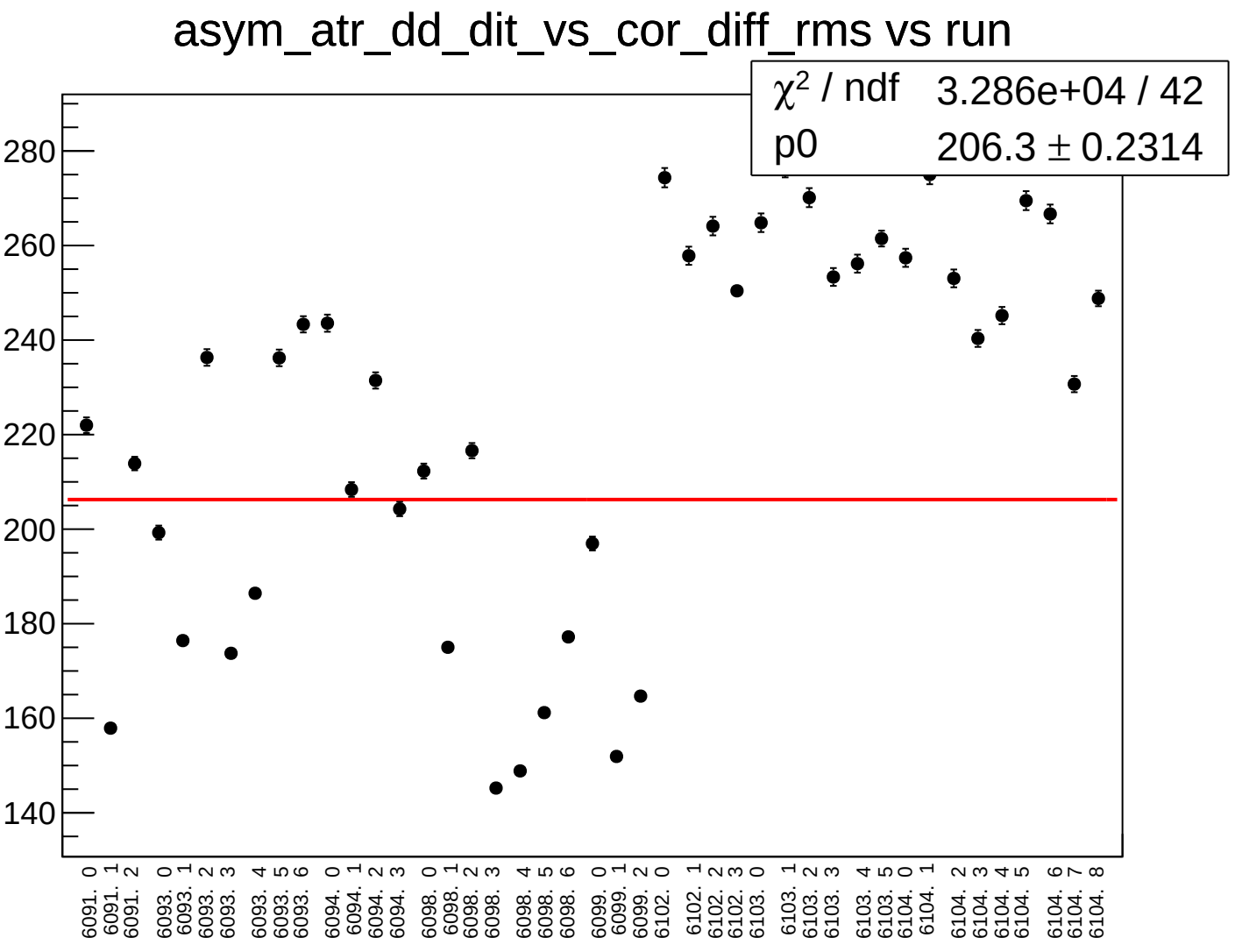

asym_atr_dd_rms vs run
χ² / ndf 1641 / 42
p0 4476 ± 4.925
5000
4900
4800
4700
4600
4500
4400
4300
4200
4100
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

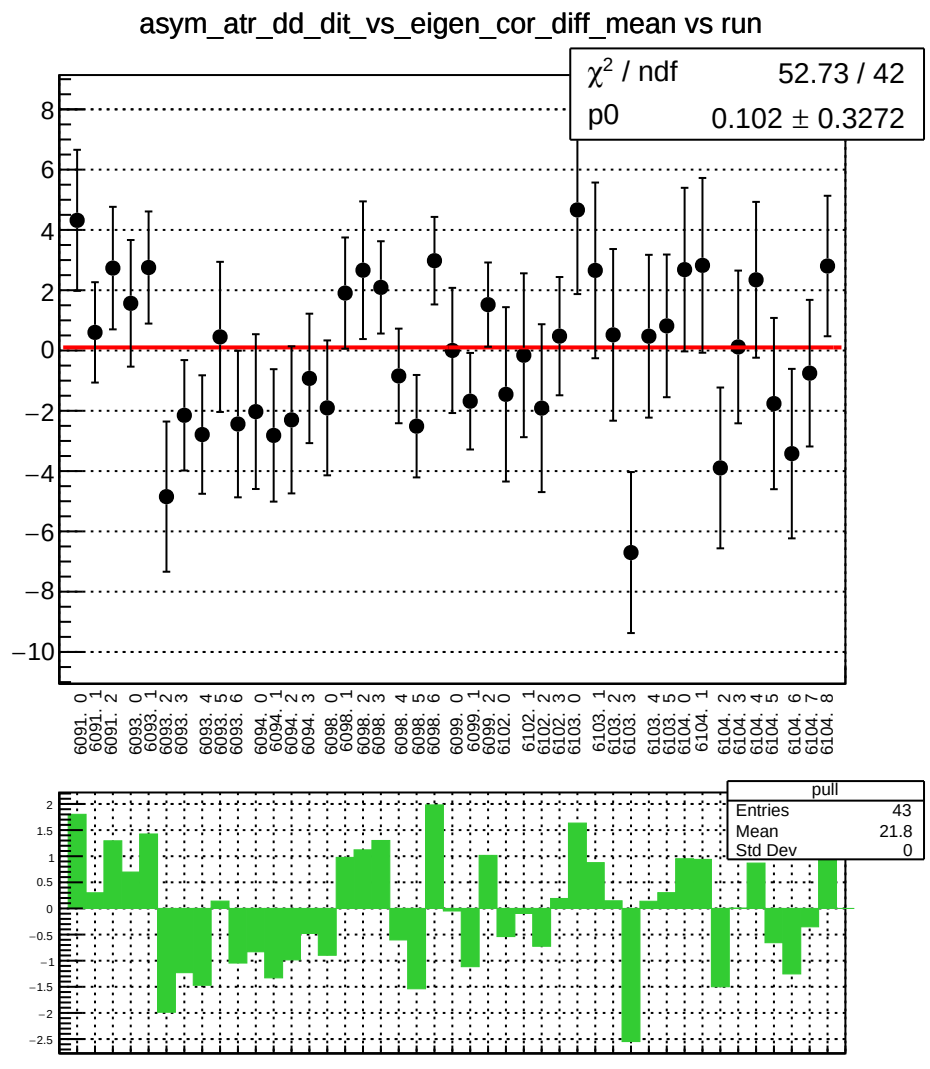

asym_atr_dd_reg_vs_cor_diff_mean vs run
χ² / ndf 42.59 / 42
p0 4.574e−13 ± 5.169e−13
0.03
0.02
0.01
0
−0.01
−0.02
−0.03
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean −9.863
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 43
Mean 0.1216
Std Dev 0.9878
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

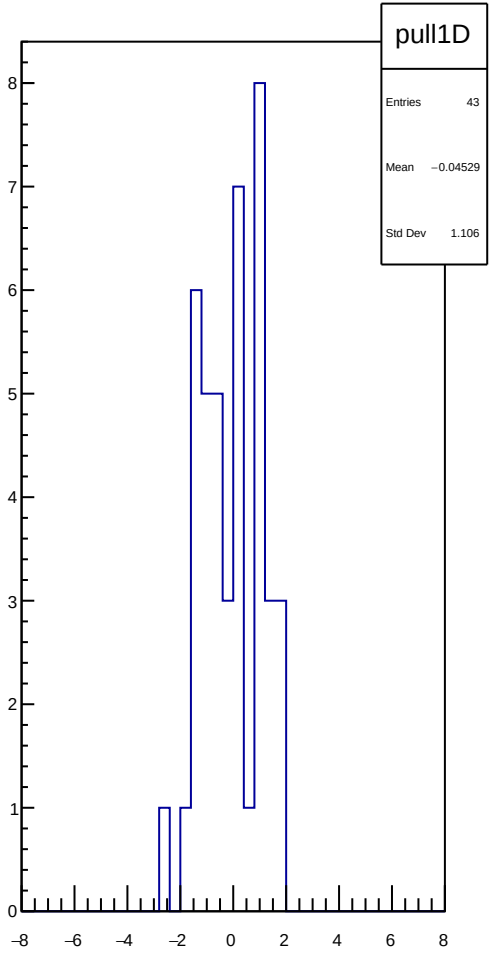

asym_atr_dd_reg_vs_cor_diff_rms vs run
χ² / ndf 5.676e+05 / 42
p0 1.864e−10 ± 3.655e−13
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

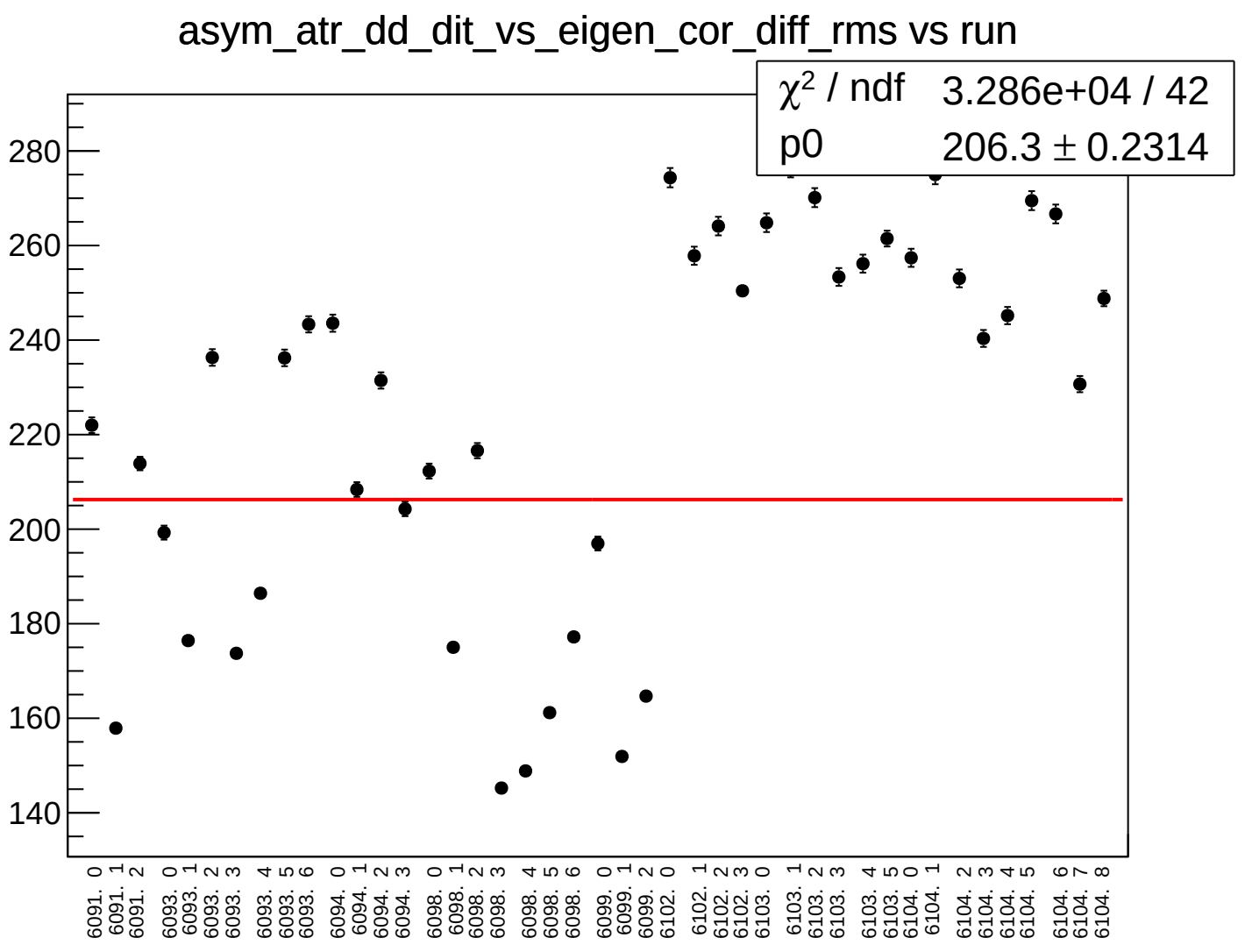

asym_atr_dd_dit_vs_cor_diff_mean vs run
χ² / ndf 52.73 / 42
p0 0.102 ± 0.3272
pull
Entries 43
Mean 21.8
Std Dev 0

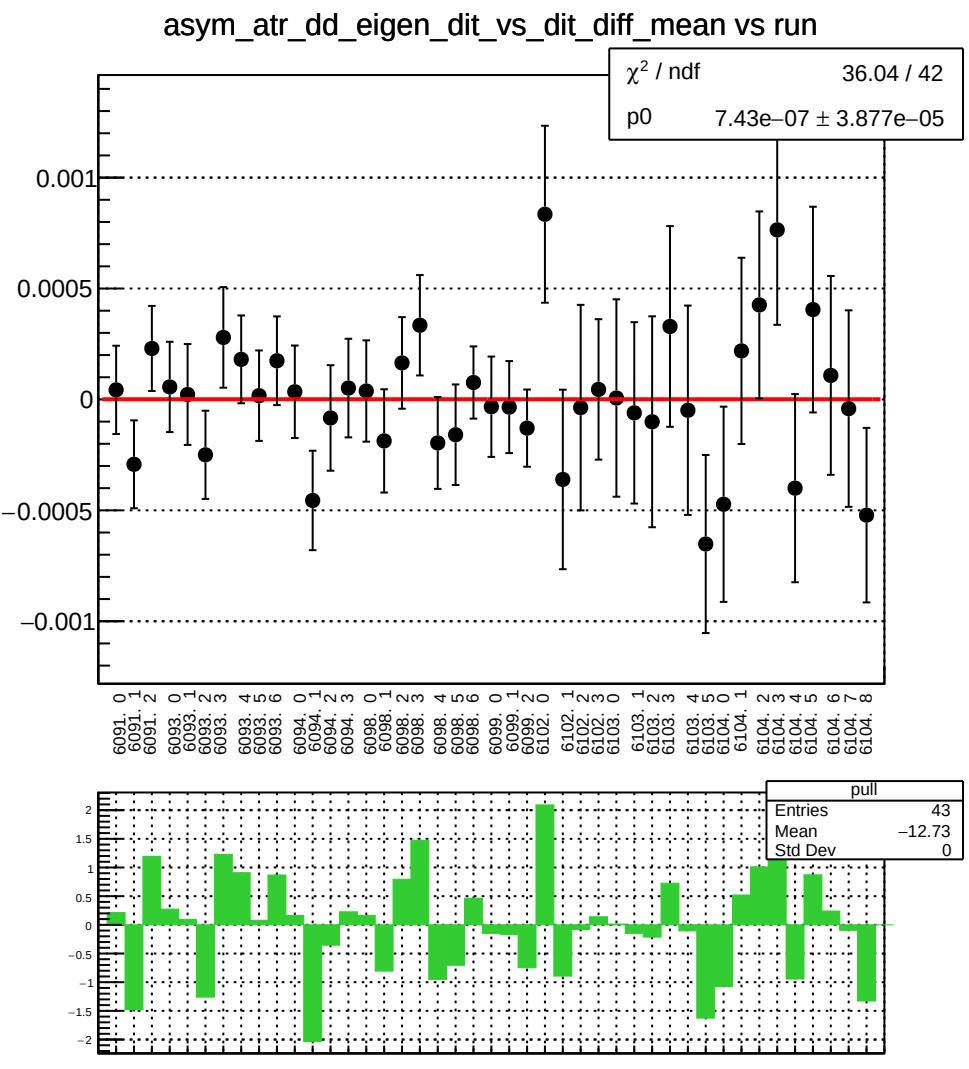

pull1D
Entries 43
Mean −0.04529
Std Dev 1.106

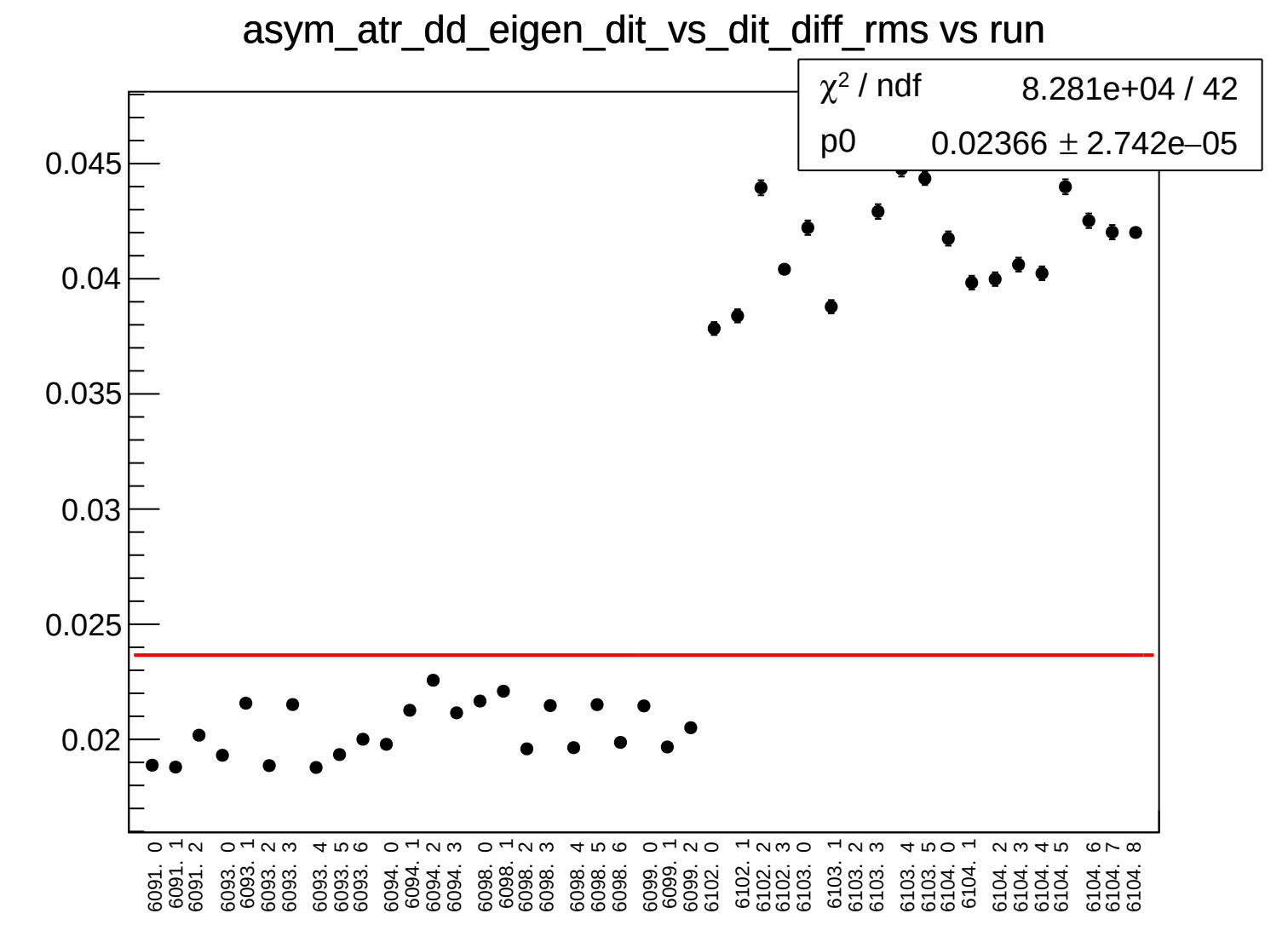

asym_atr_dd_dit_vs_cor_diff_rms vs run
χ² / ndf 3.286e+04 / 42
p0 206.3 ± 0.2314
280
260
240
220
200
180
160
140
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

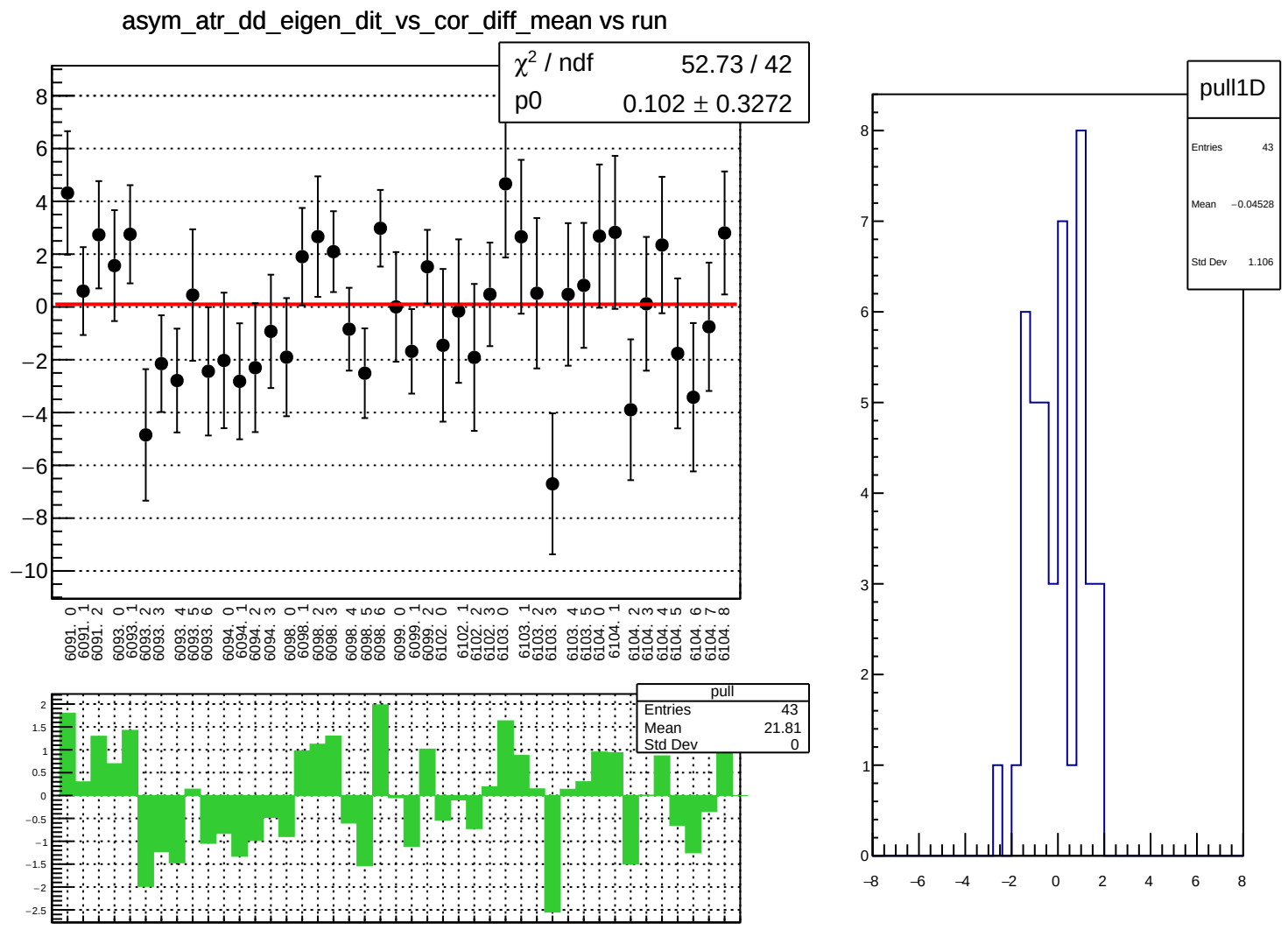

asym_atr_dd_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 52.73 / 42
p0 0.102 ± 0.3272
pull
Entries 43
Mean 21.8
Std Dev 0

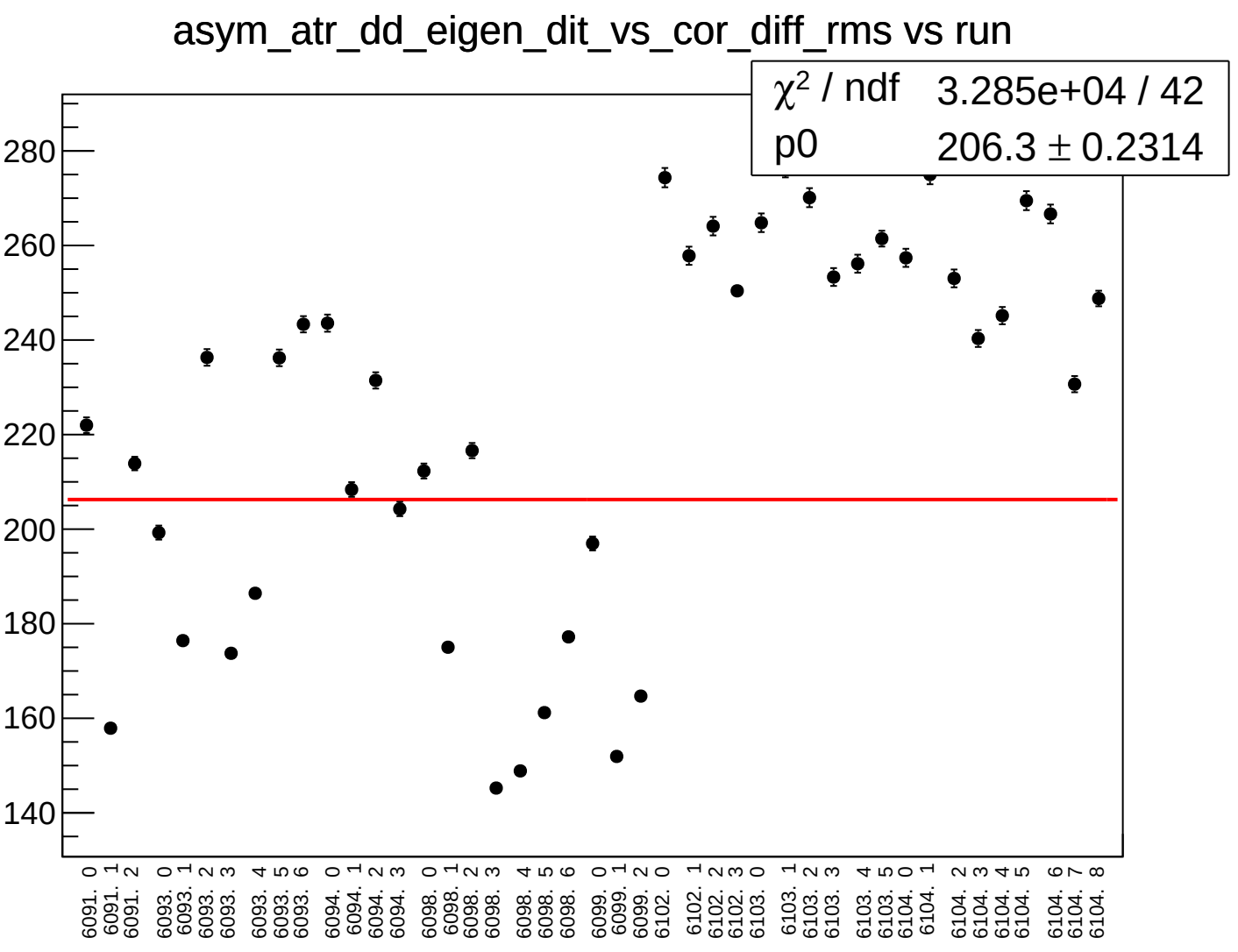

pull1D
Entries 43
Mean −0.04529
Std Dev 1.106

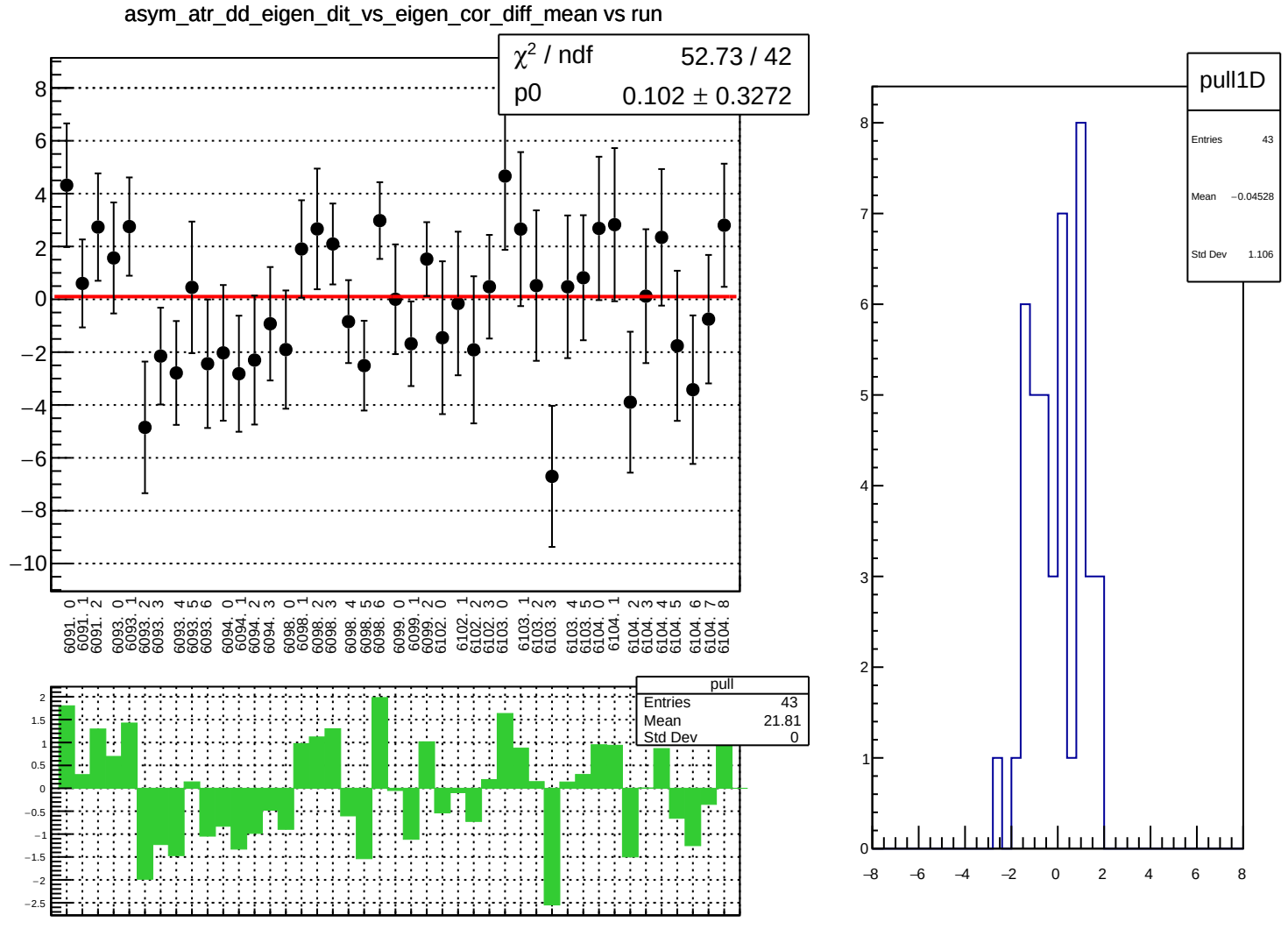

asym_atr_dd_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 3.286e+04 / 42
p0 206.3 ± 0.2314
280
260
240
220
200
180
160
140
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

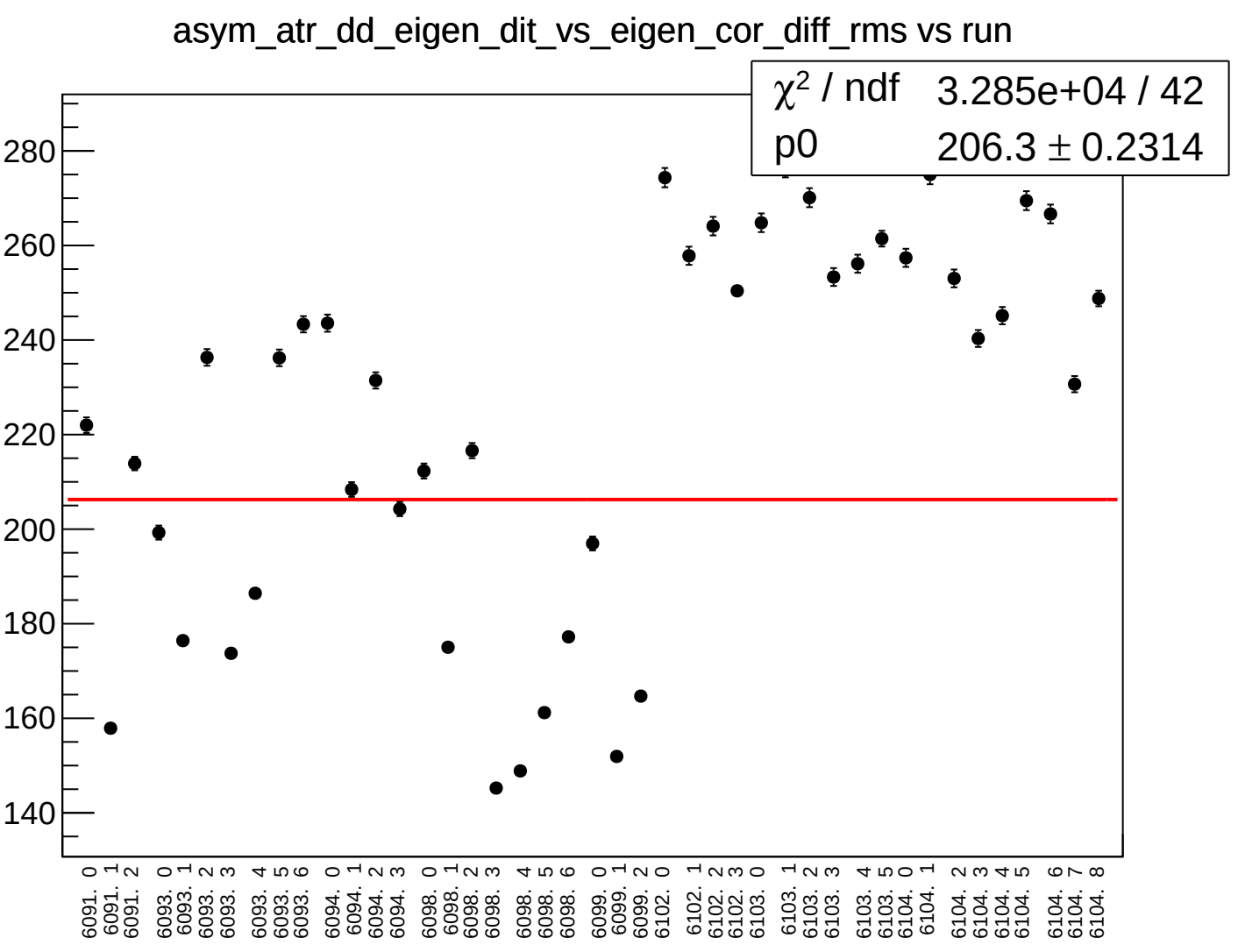

asym_atr_dd_eigen_dit_vs_dit_diff_mean vs run
χ² / ndf 36.04 / 42
p0 7.43e−07 ± 3.877e−05
0.001
0.0005
0
−0.0005
−0.001
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean −12.73
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 43
Mean 0.008539
Std Dev 0.9155
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

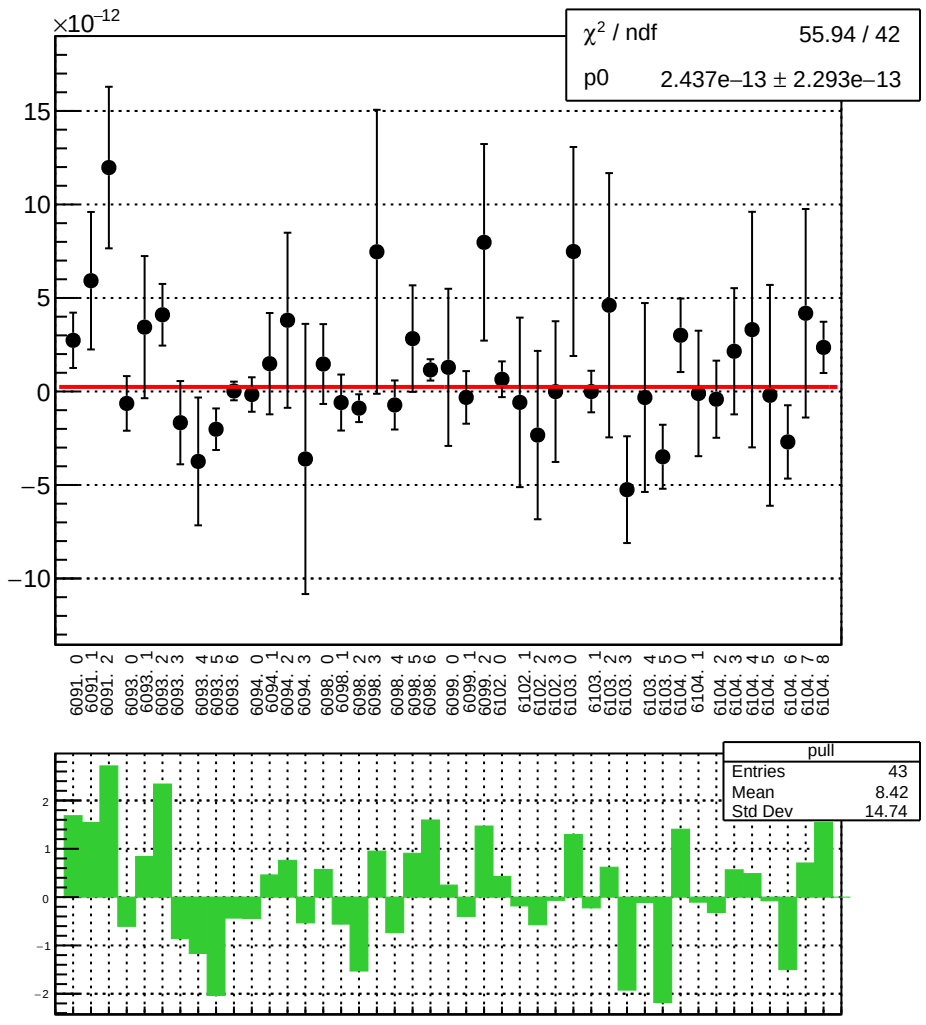

asym_atr_dd_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 8.281e+04 / 42
p0 0.02366 ± 2.742e−05
0.045
0.04
0.035
0.03
0.025
0.02
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

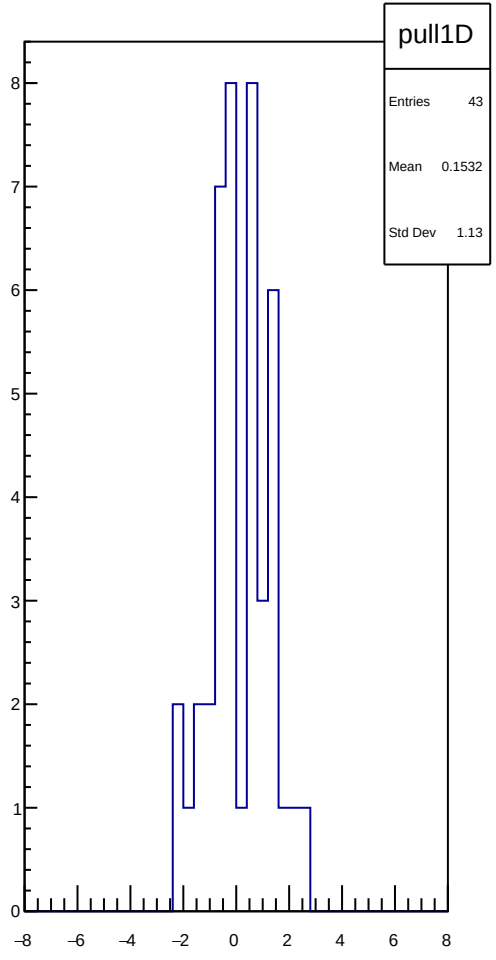

asym_atr_dd_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 52.73 / 42
p0 0.102 ± 0.3272
pull
Entries 43
Mean 21.81
Std Dev 0
pull1D
Entries 43
Mean −0.04528
Std Dev 1.106

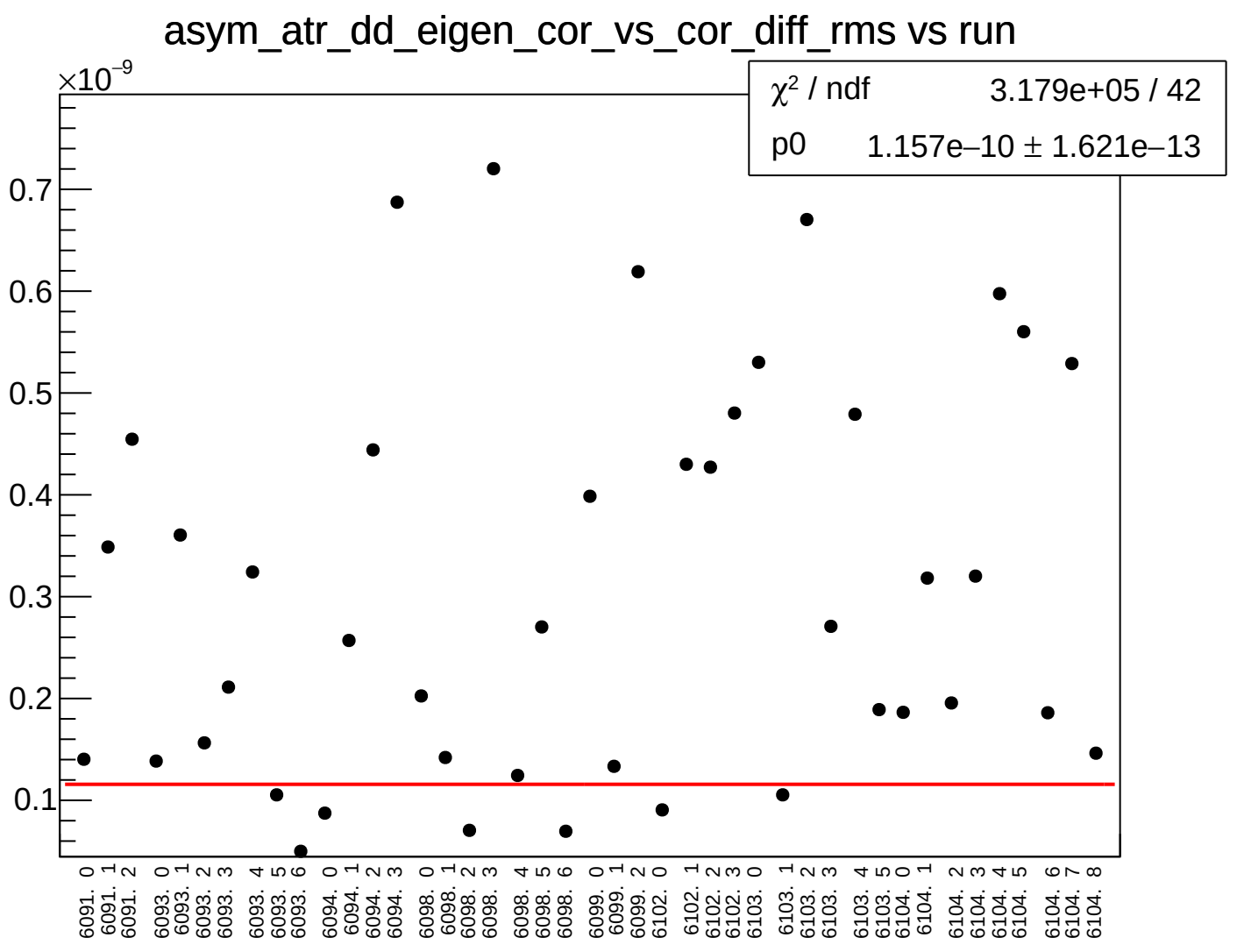

asym_atr_dd_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 3.285e+04 / 42
p0 206.3 ± 0.2314
280
260
240
220
200
180
160
140
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

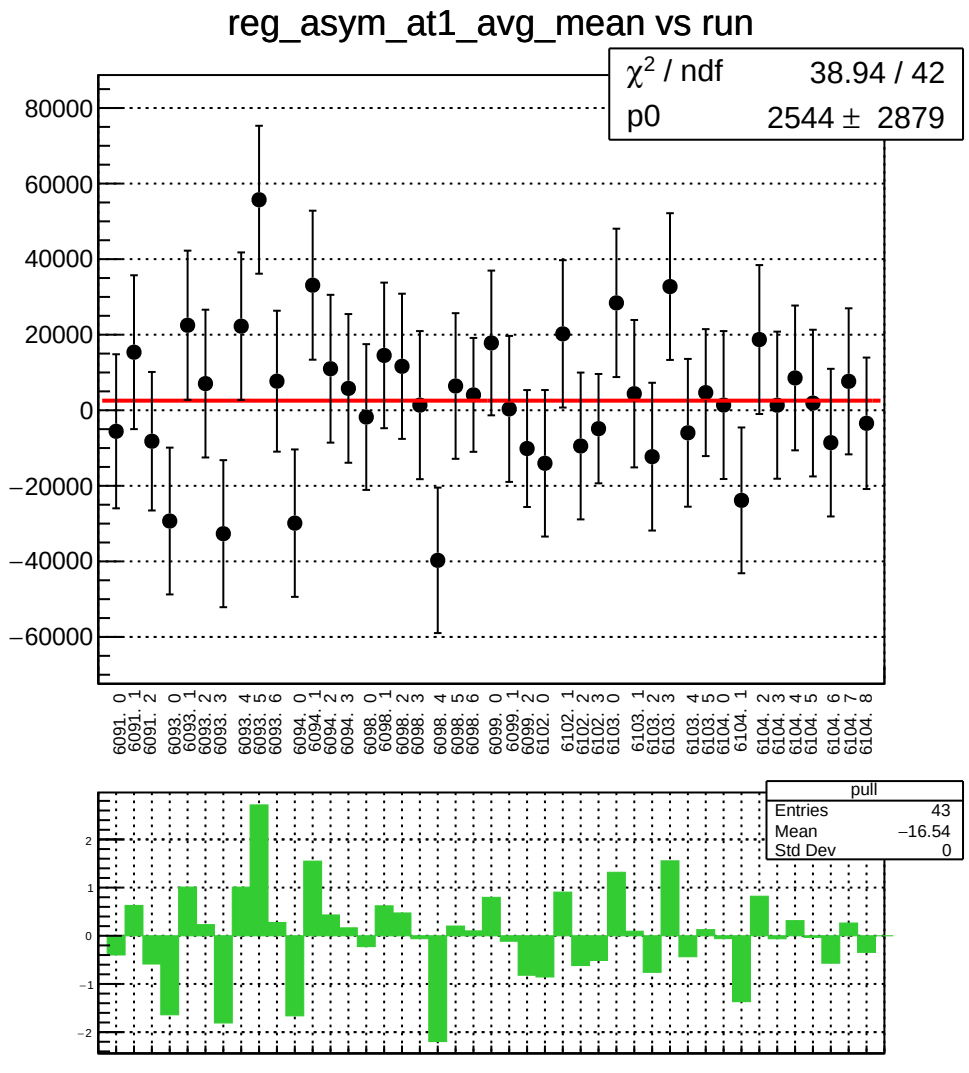

asym_atr_dd_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 52.73 / 42
p0 0.102 ± 0.3272
pull
Entries 43
Mean 21.81
Std Dev 0
pull1D
Entries 43
Mean −0.04528
Std Dev 1.106

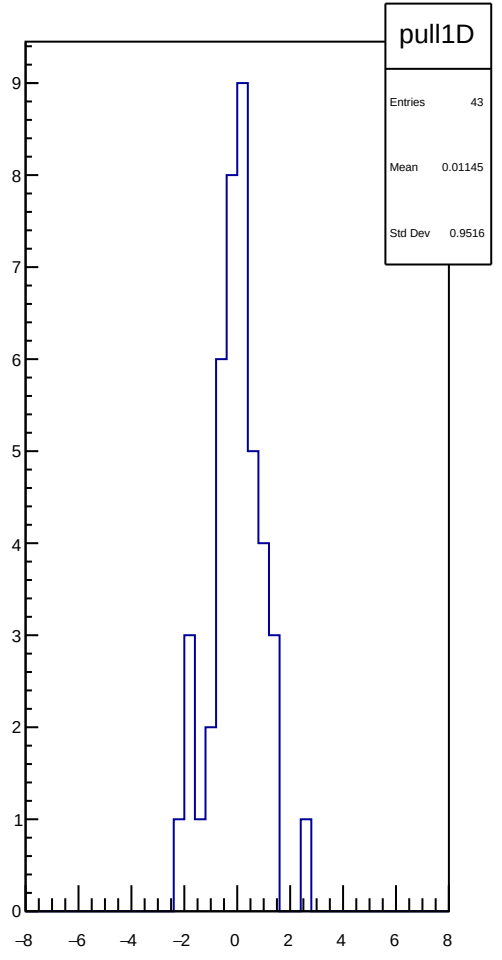

asym_atr_dd_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 3.285e+04 / 42
p0 206.3 ± 0.2314
280
260
240
220
200
180
160
140
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

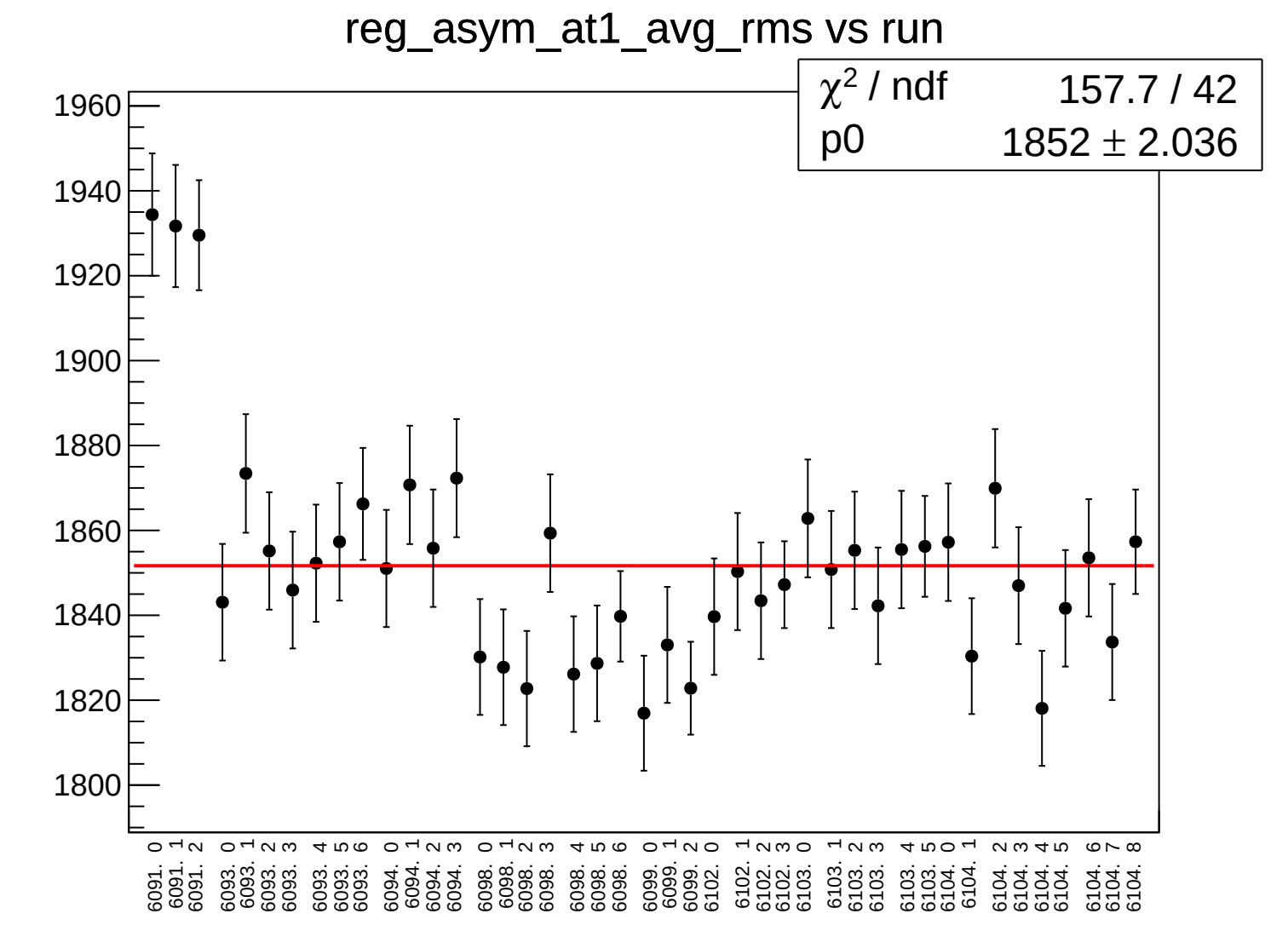

asym_atr_dd_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 55.94 / 42
p0 2.437e−13 ± 2.293e−13
15
10
5
0
−5
−10
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 8.42
Std Dev 14.74
2
1
0
−1
−2

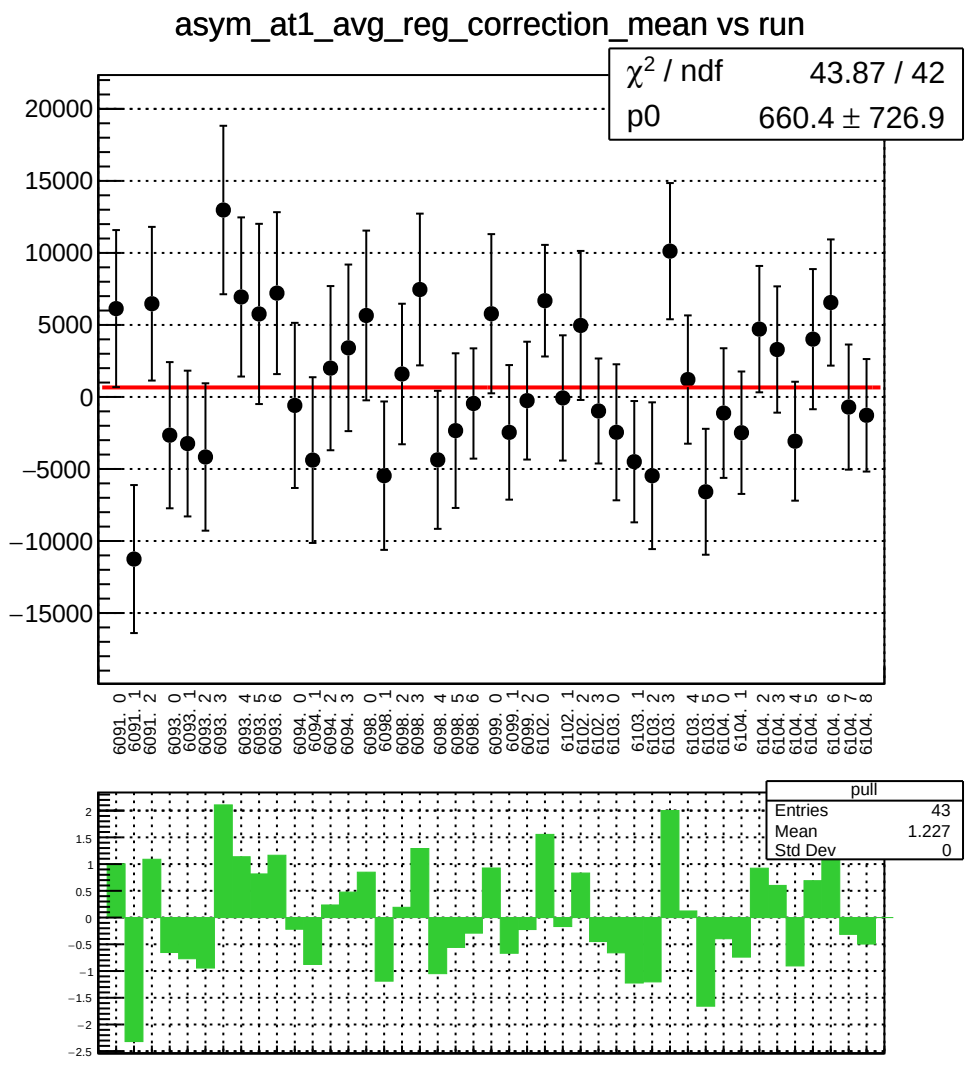

pull1D
Entries 43
Mean 0.1532
Std Dev 1.13
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

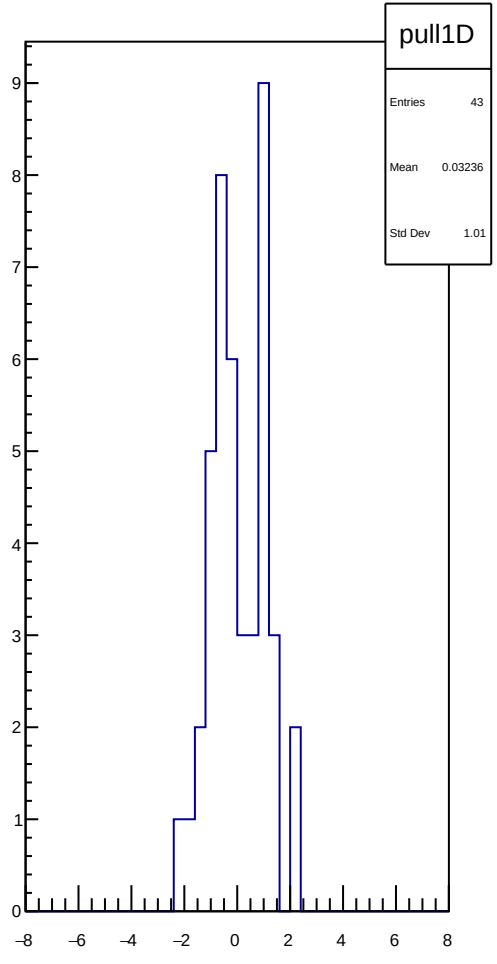

asym_atr_dd_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 3.179e+05 / 42
p0 1.157e−10 ± 1.621e−13
0.7
0.6
0.5
0.4
0.3
0.2
0.1
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

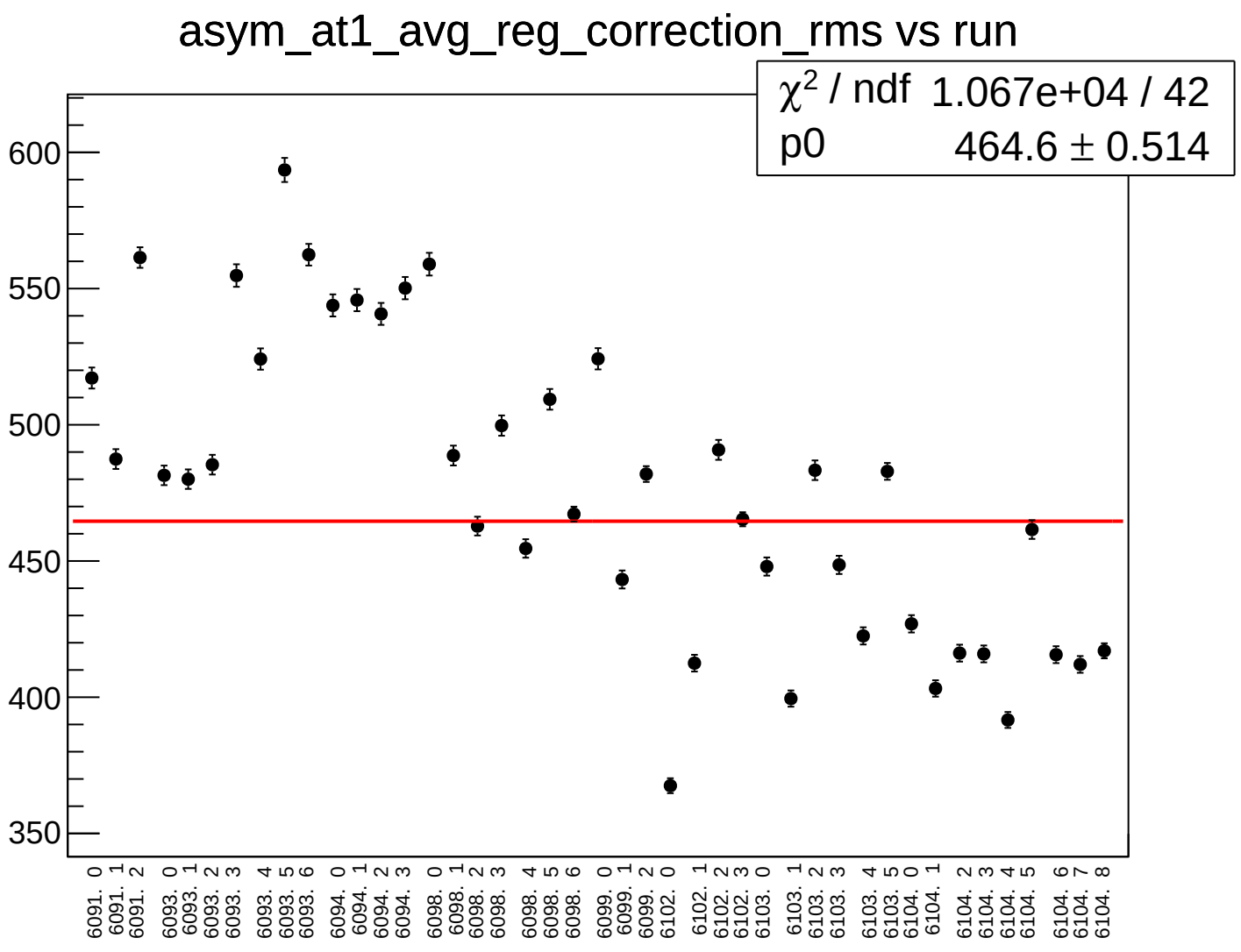

reg_asym_at1_avg_mean vs run
χ² / ndf 38.94 / 42
p0 2544 ± 2879
80000
60000
40000
20000
0
−20000
−40000
−60000
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean −16.54
Std Dev 0
2
1
0
−1
−2

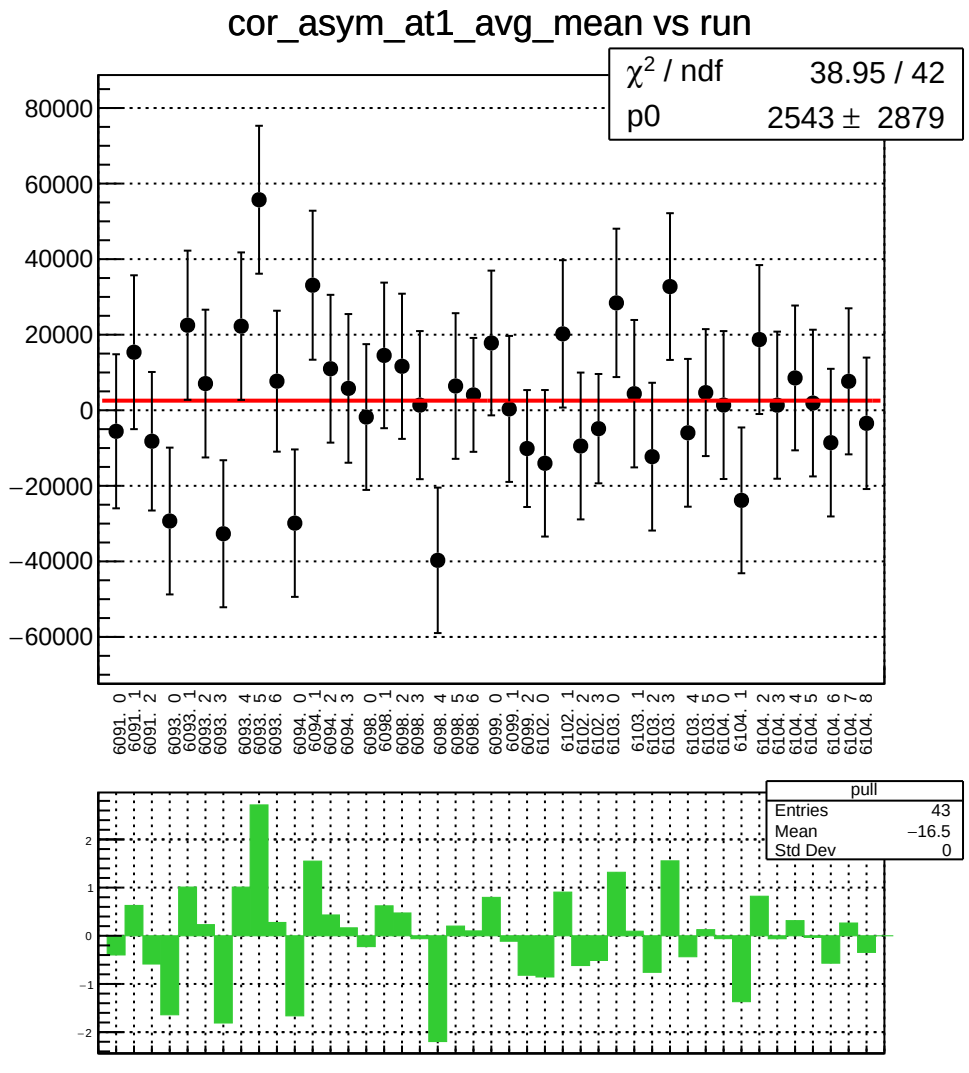

pull1D
Entries 43
Mean 0.01145
Std Dev 0.9516
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

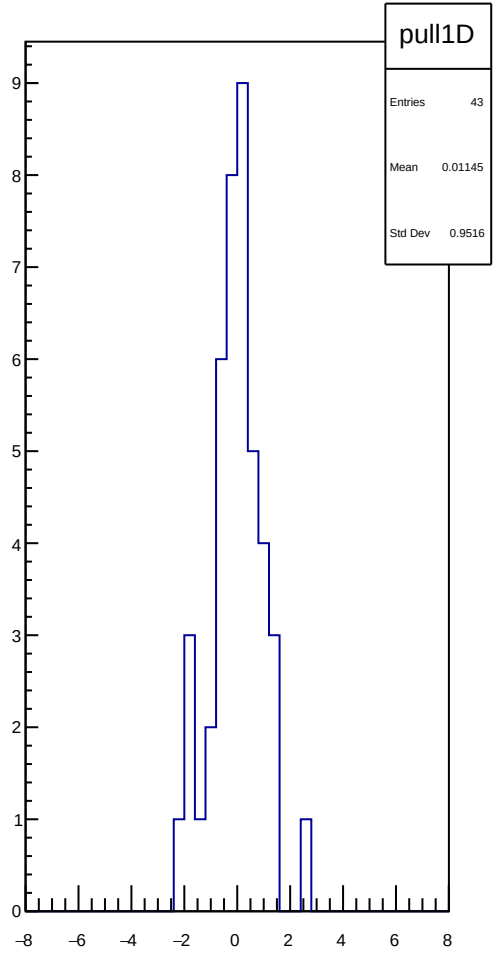

reg_asym_at1_avg_rms vs run
χ^2 / ndf 157.7 / 42
p0 1852 ± 2.036
1960
1940
1920
1900
1880
1860
1840
1820
1800
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

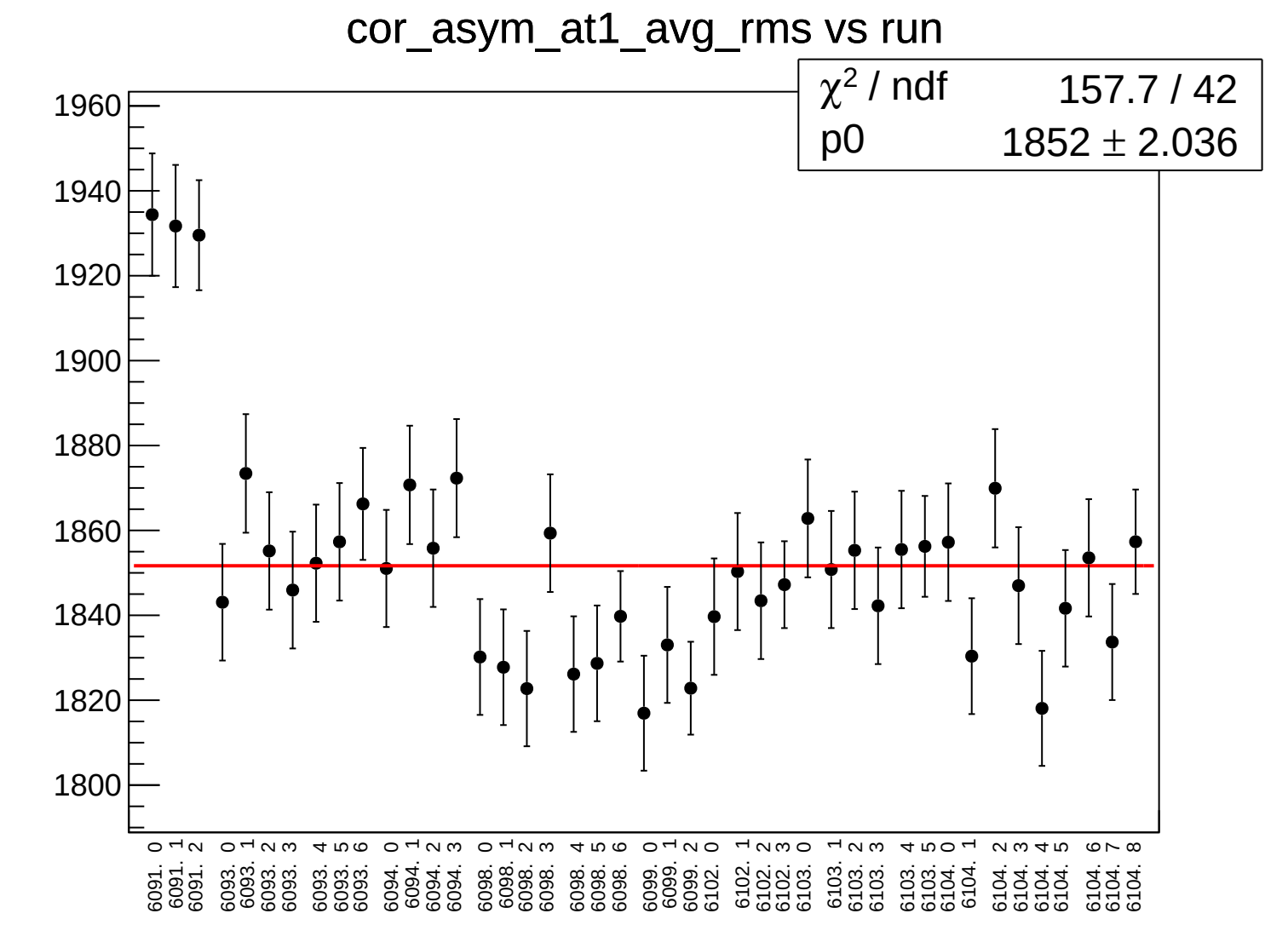

asym_at1_avg_reg_correction_mean vs run
χ² / ndf 43.87 / 42
p0 660.4 ± 726.9
20000
15000
10000
5000
0
−5000
−10000
−15000
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 1.227
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

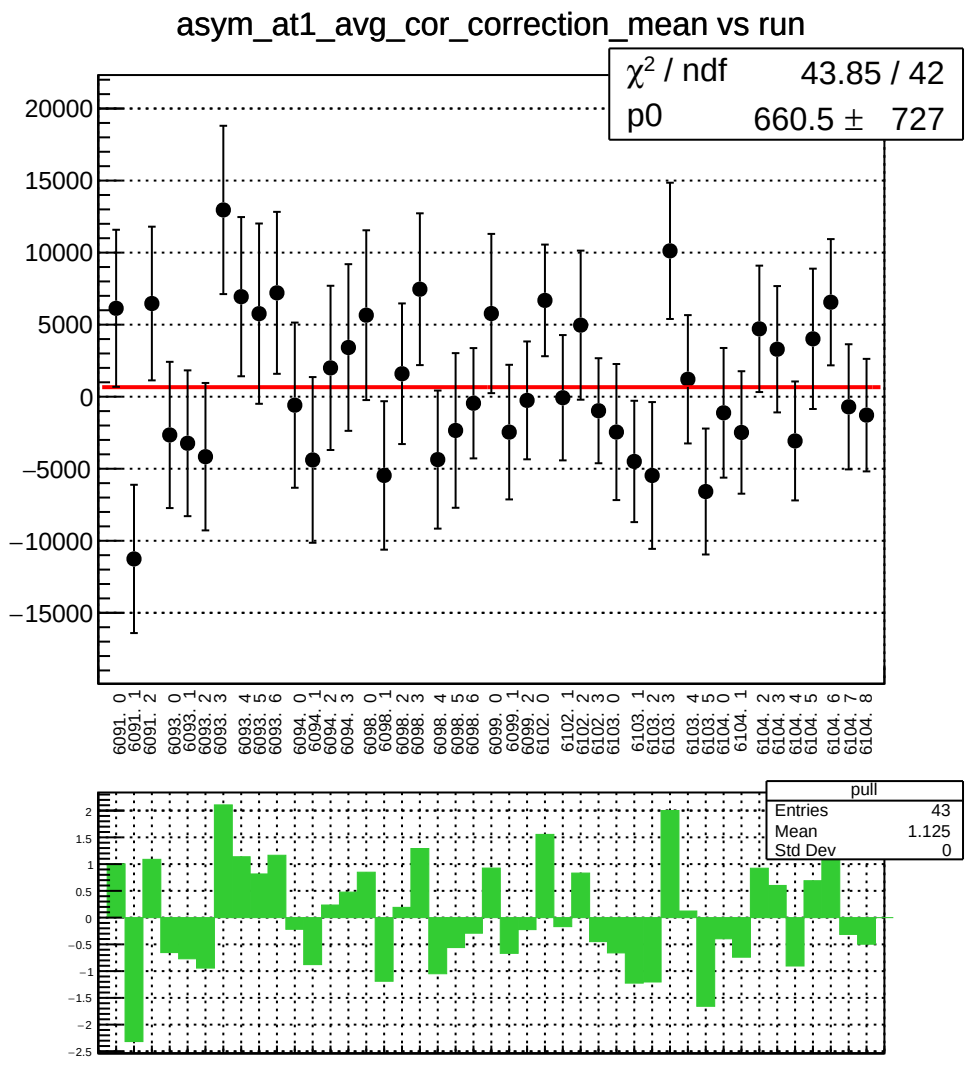

pull1D
Entries 43
Mean 0.03236
Std Dev 1.01
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

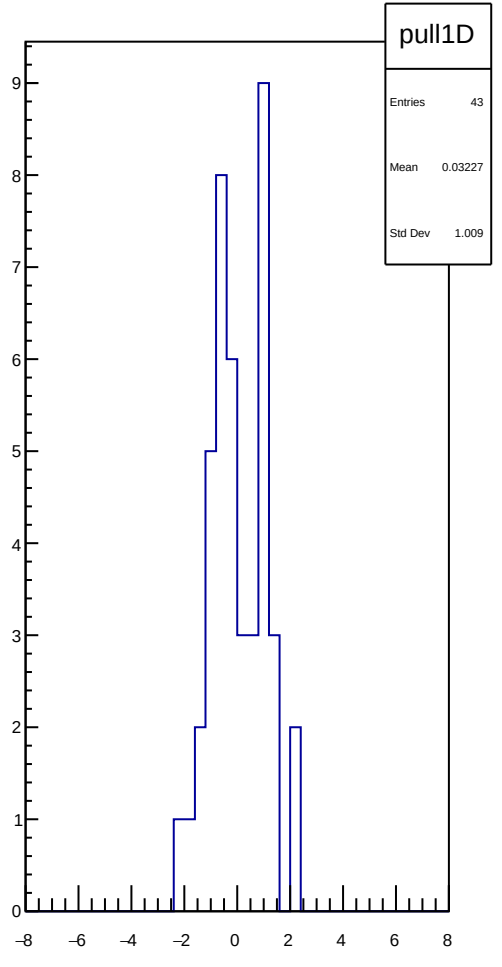

asym_at1_avg_reg_correction_rms vs run
χ² / ndf 1.067e+04 / 42
p0 464.6 ± 0.514
600
550
500
450
400
350
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

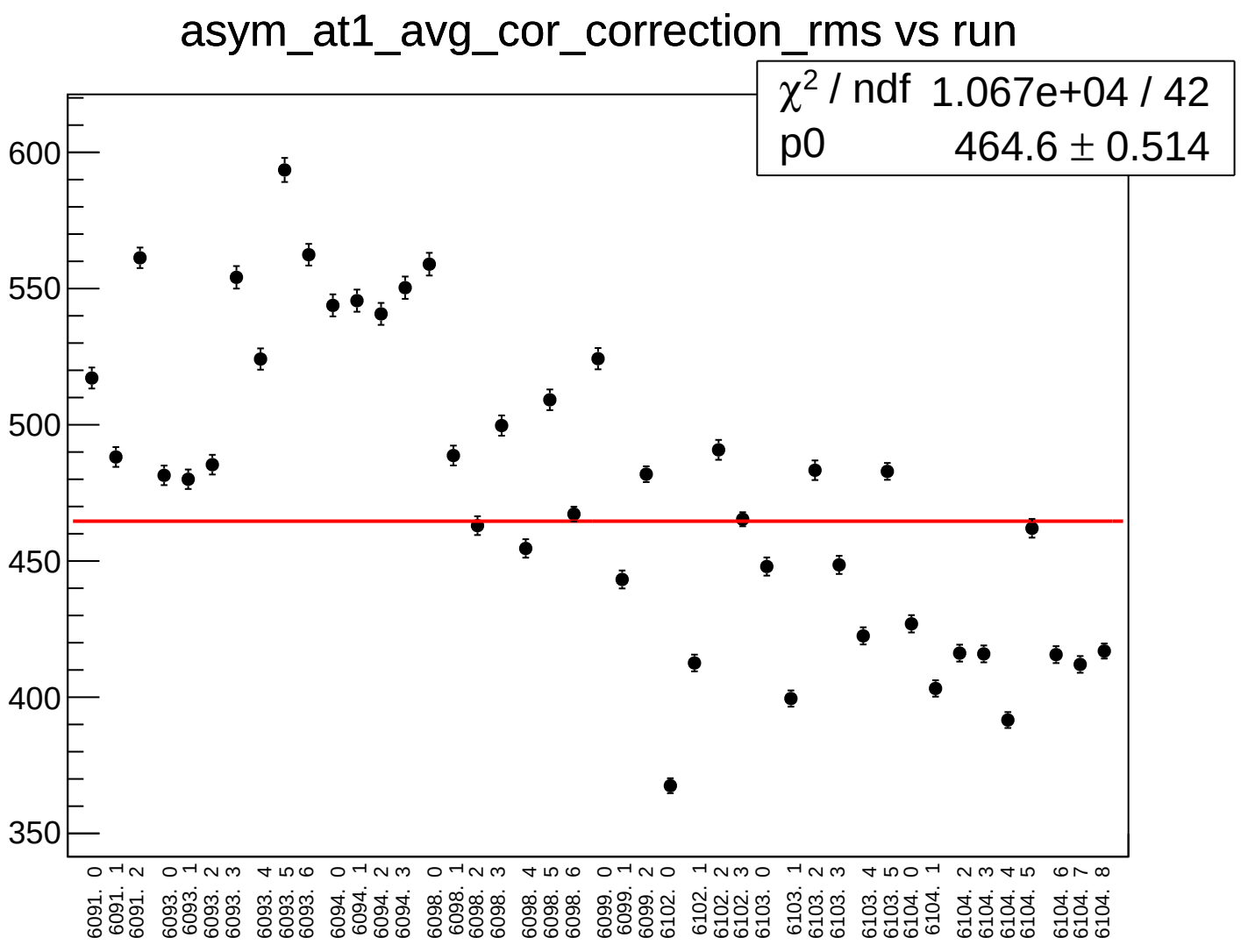

cor_asym_at1_avg_mean vs run
χ² / ndf 38.95 / 42
p0 2543 ± 2879
80000
60000
40000
20000
0
−20000
−40000
−60000
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean −16.5
Std Dev 0
2
1
0
−1
−2

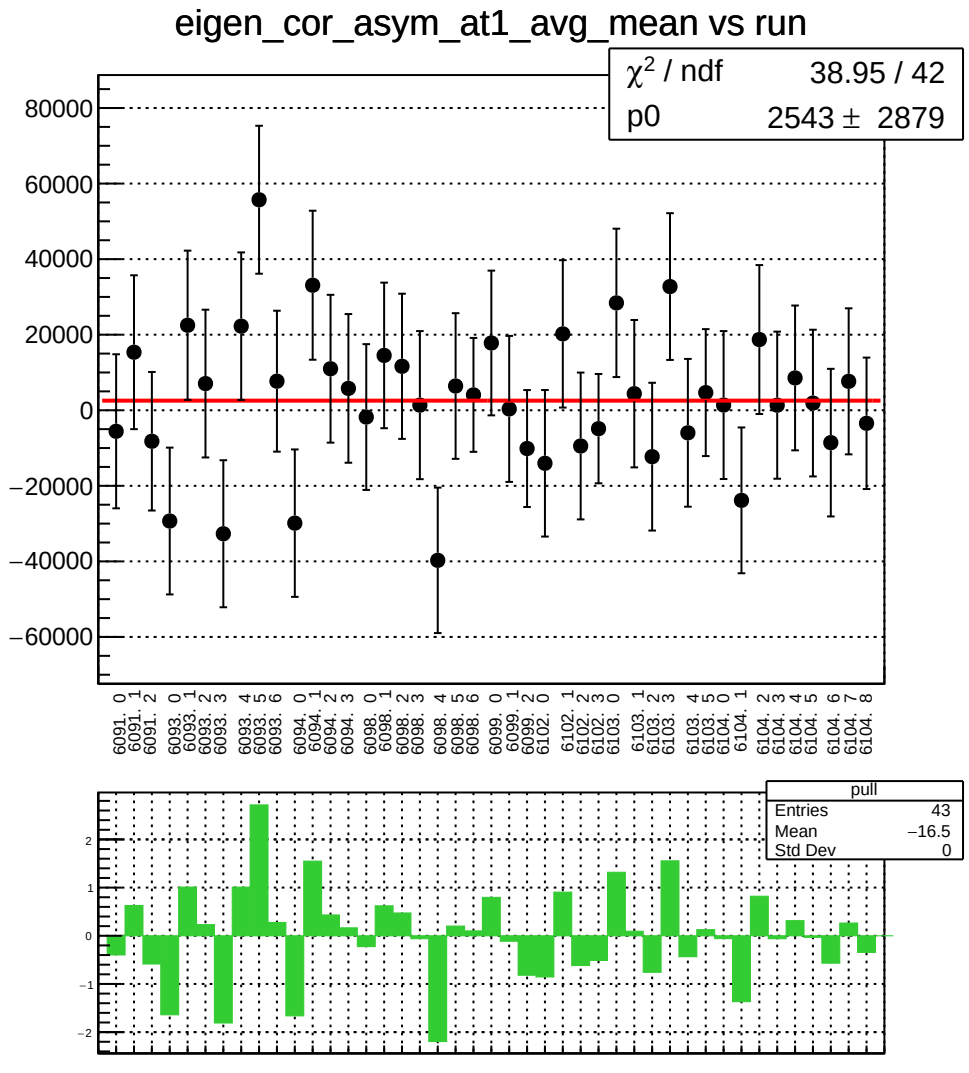

pull1D
Entries 43
Mean 0.01145
Std Dev 0.9516
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

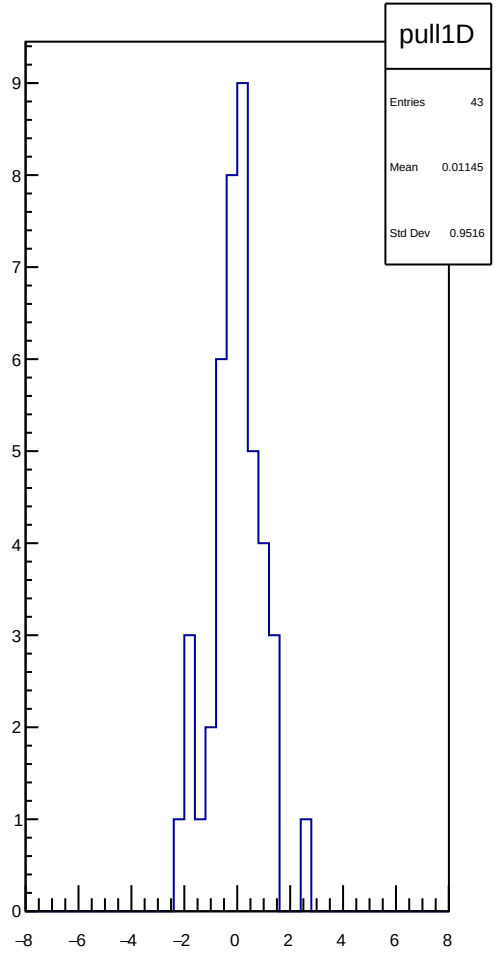

cor_asym_at1_avg_rms vs run
χ² / ndf 157.7 / 42
p0 1852 ± 2.036
1960
1940
1920
1900
1880
1860
1840
1820
1800
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

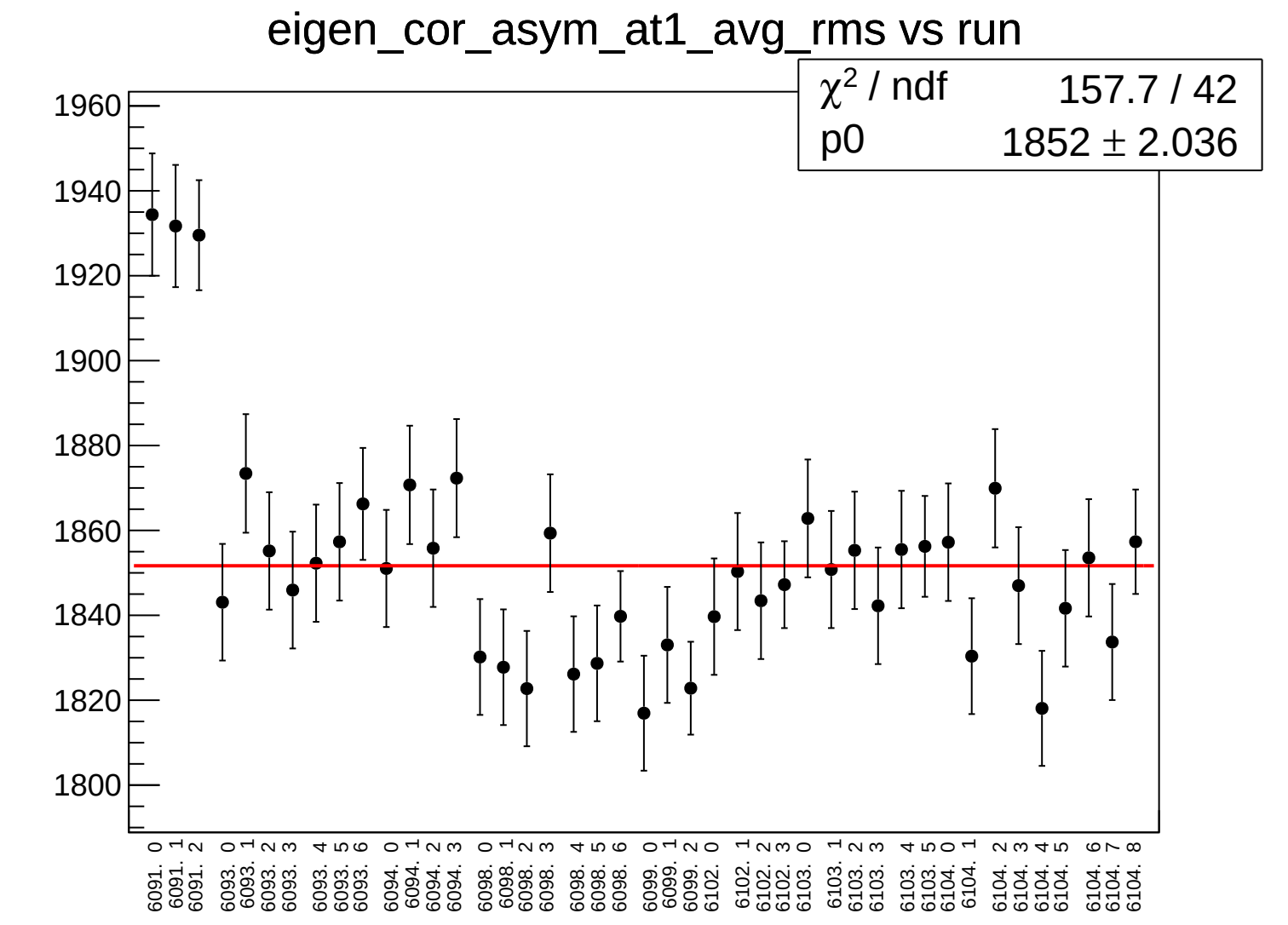

asym_at1_avg_cor_correction_mean vs run
χ² / ndf 43.85 / 42
p0 660.5 ± 727
20000
15000
10000
5000
0
−5000
−10000
−15000
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 1.125
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

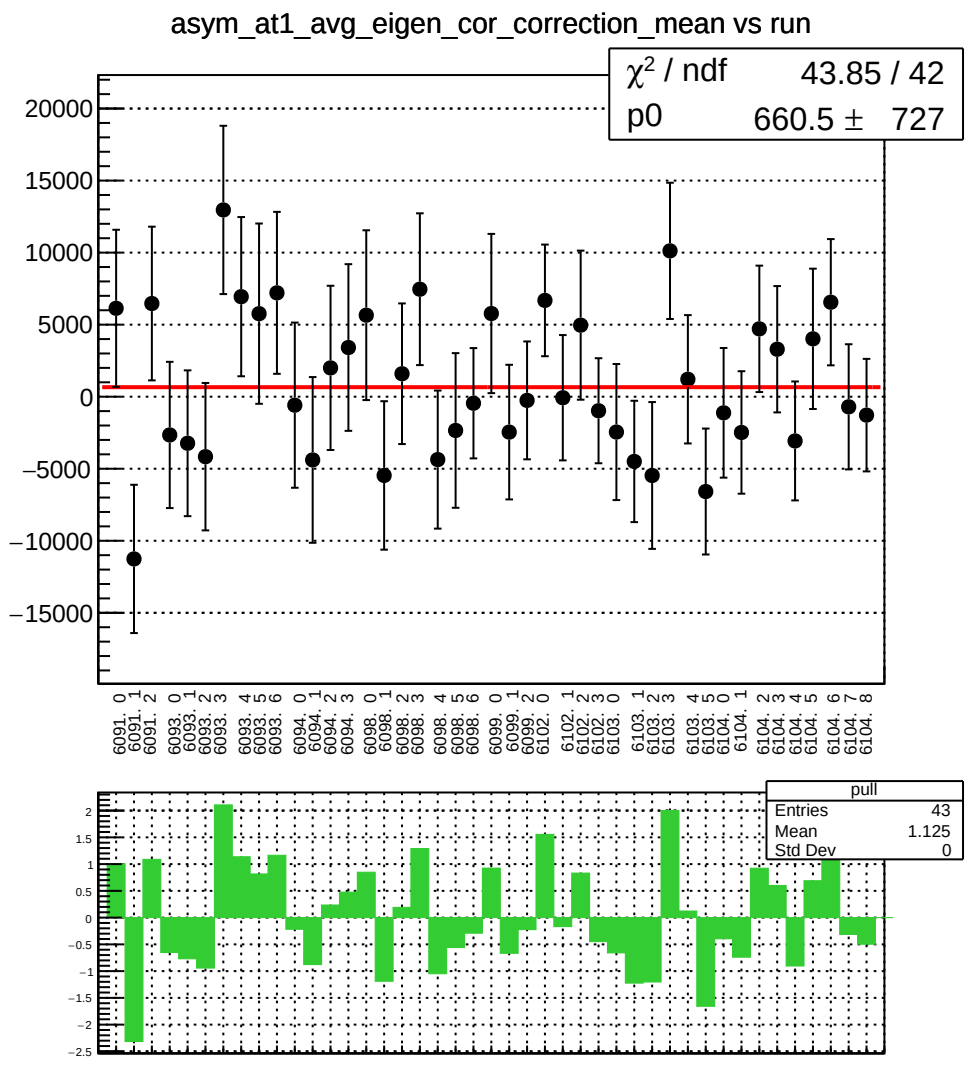

pull1D
Entries 43
Mean 0.03227
Std Dev 1.009
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

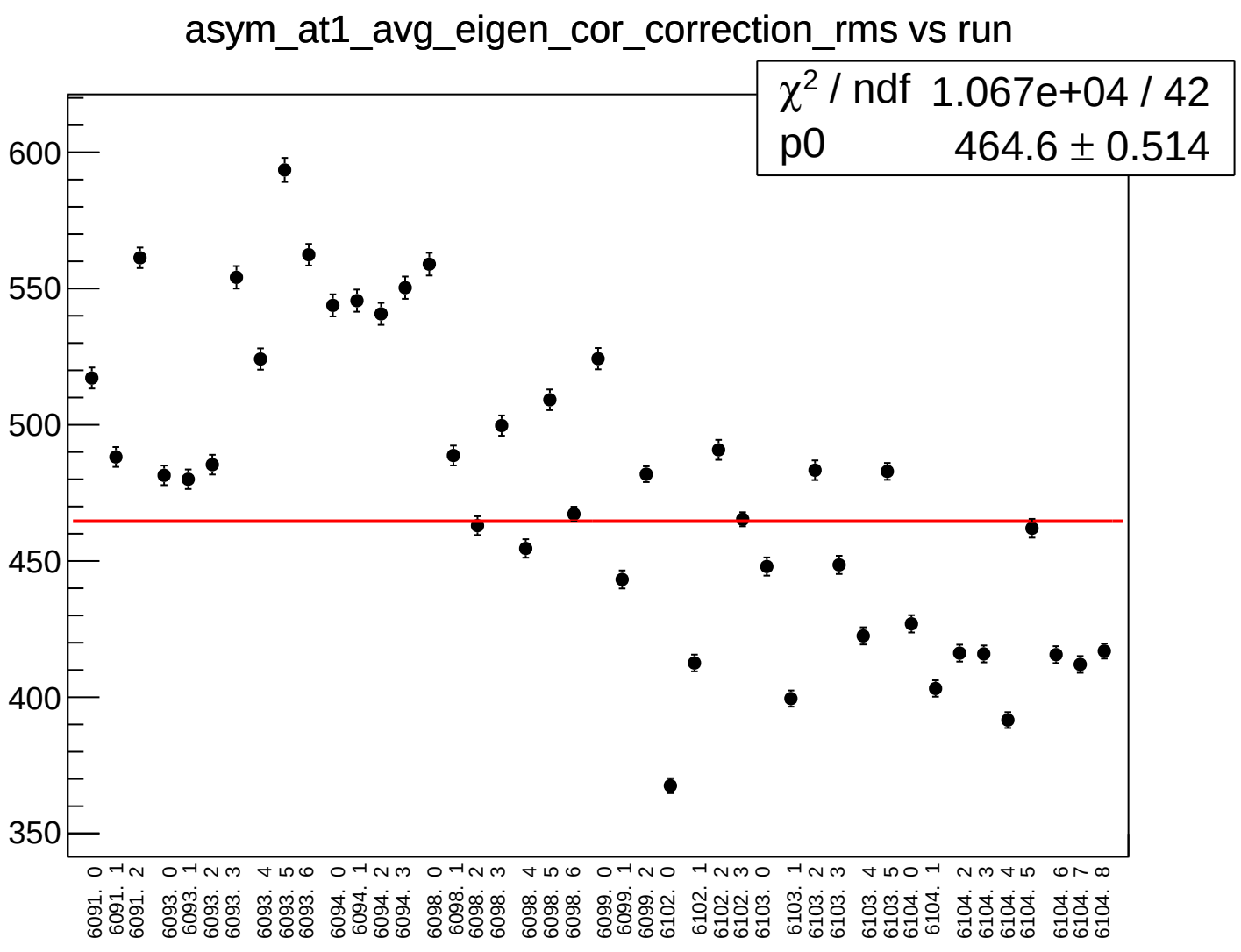

asym_at1_avg_cor_correction_rms vs run
χ² / ndf 1.067e+04 / 42
p0 464.6 ± 0.514
600
550
500
450
400
350
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

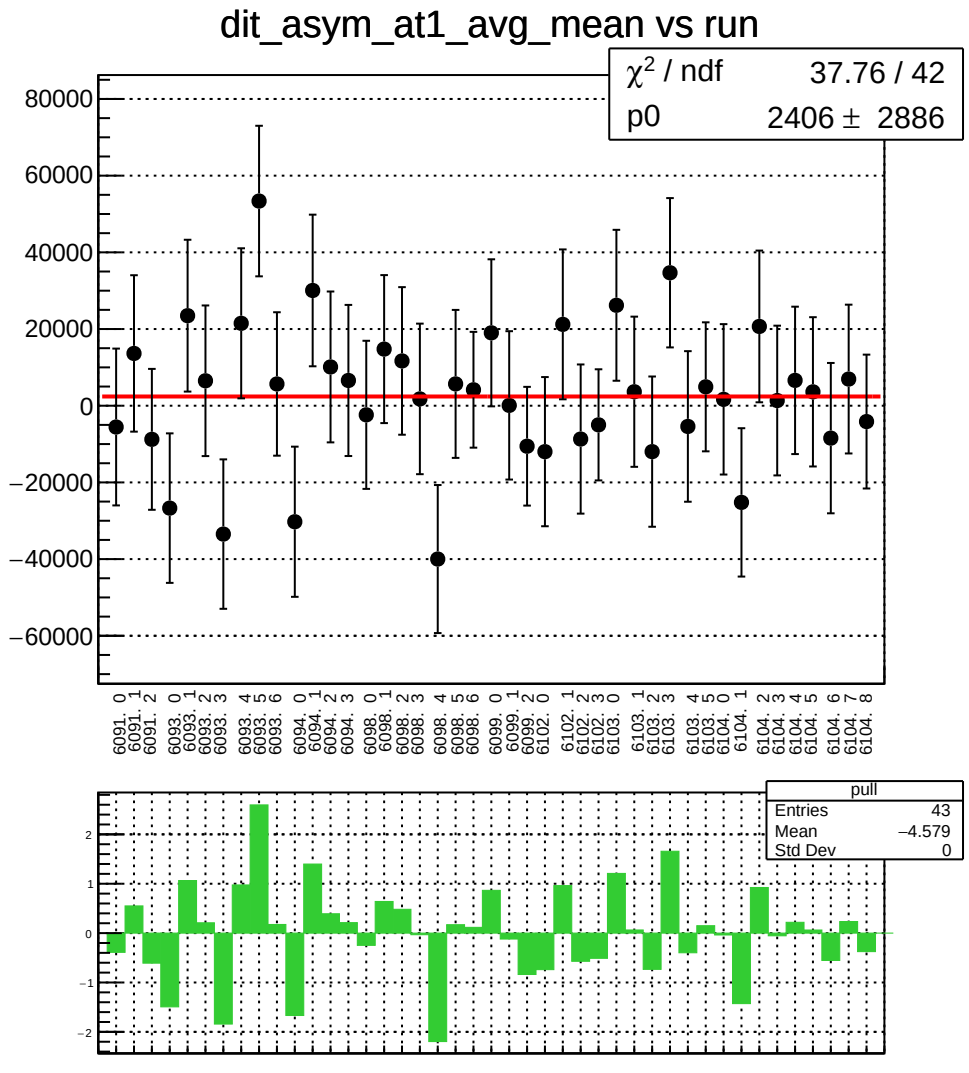

eigen_cor_asym_at1_avg_mean vs run
χ² / ndf 38.95 / 42
p0 2543 ± 2879
80000
60000
40000
20000
0
−20000
−40000
−60000
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean −16.5
Std Dev 0
2
1
0
−1
−2

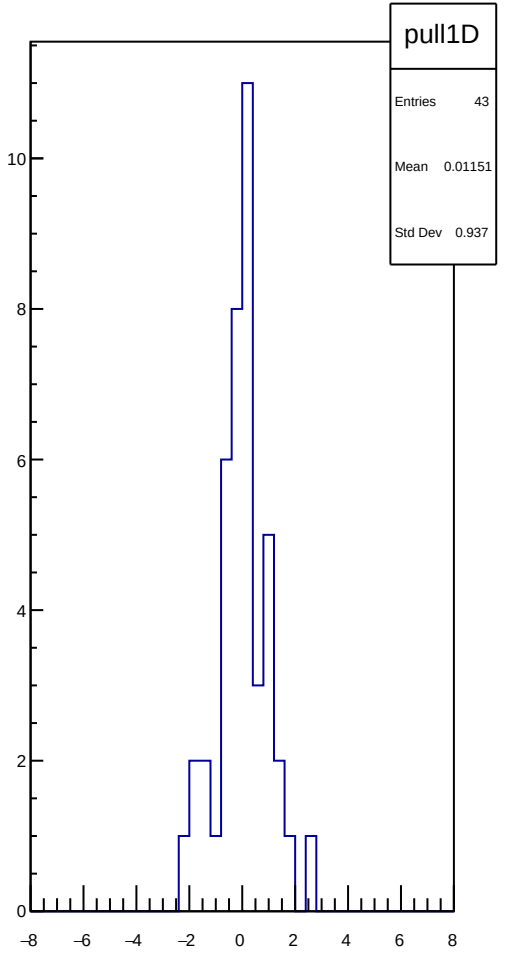

pull1D
Entries 43
Mean 0.01145
Std Dev 0.9516
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

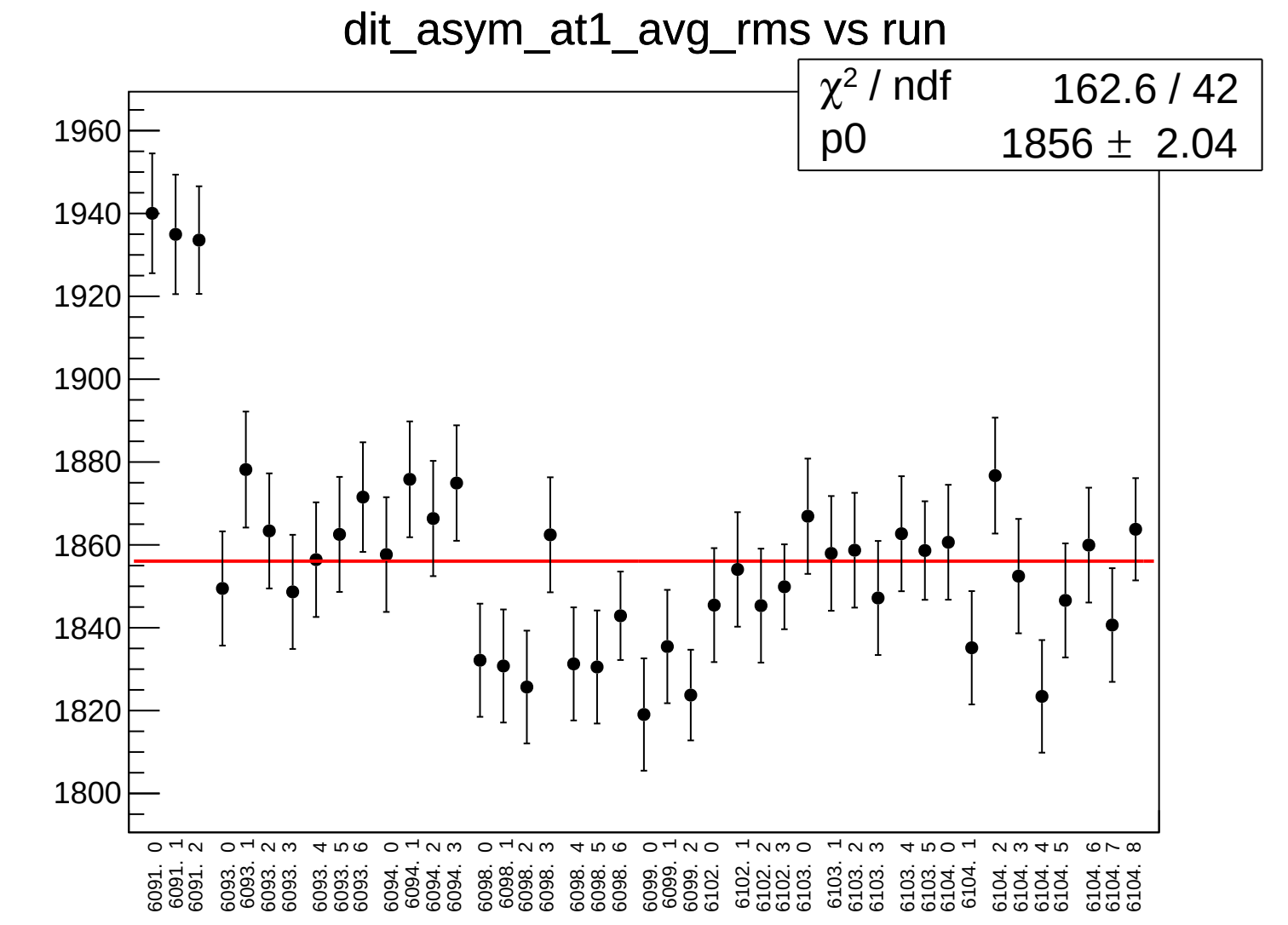

eigen_cor_asym_at1_avg_rms vs run
χ² / ndf 157.7 / 42
p0 1852 ± 2.036
1960
1940
1920
1900
1880
1860
1840
1820
1800
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

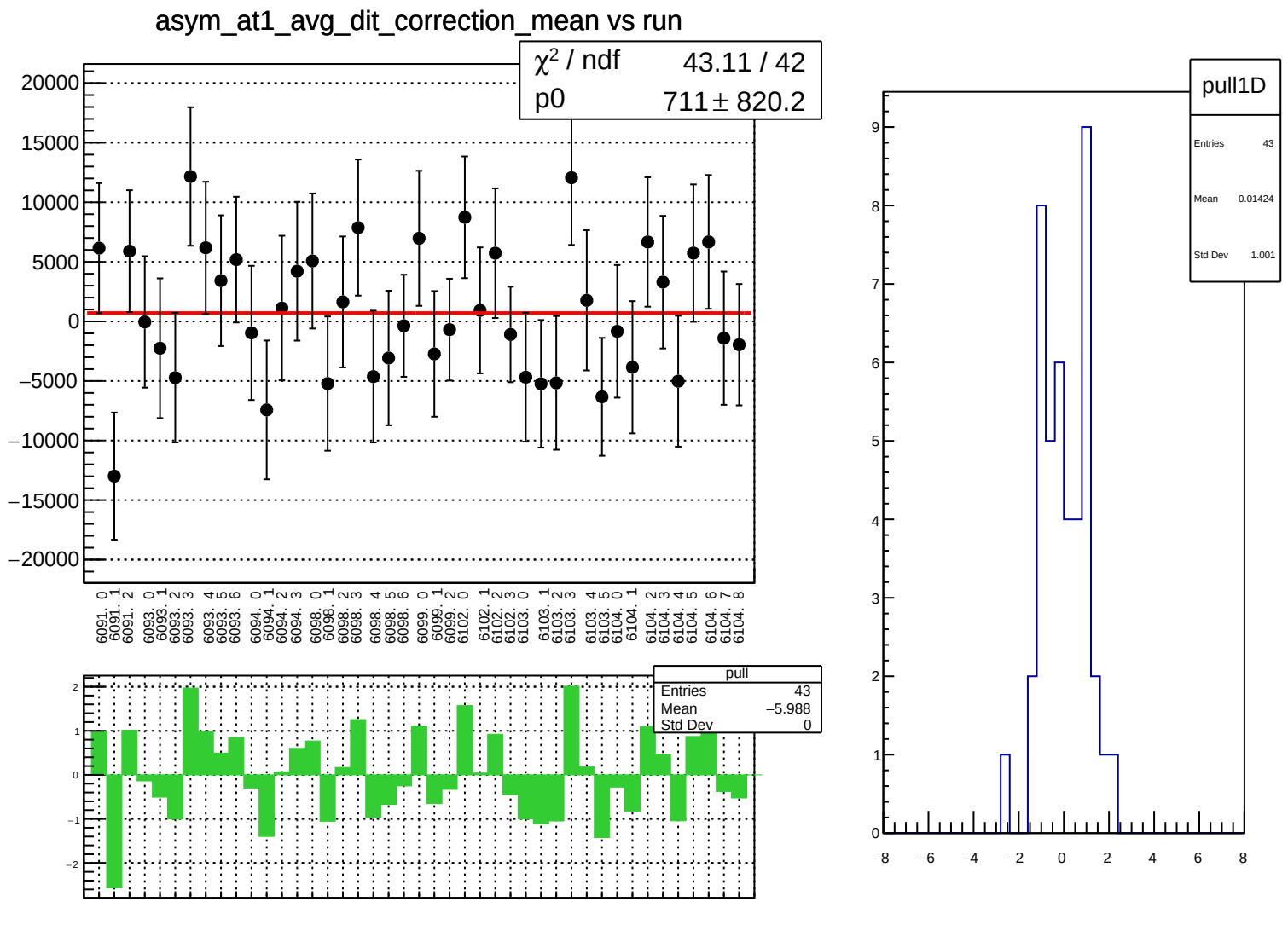

asym_at1_avg_eigen_cor_correction_mean vs run
χ² / ndf 43.85 / 42
p0 660.5 ± 727
20000
15000
10000
5000
0
−5000
−10000
−15000
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 1.125
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5
pull1D
Entries 43
Mean 0.03227
Std Dev 1.009
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

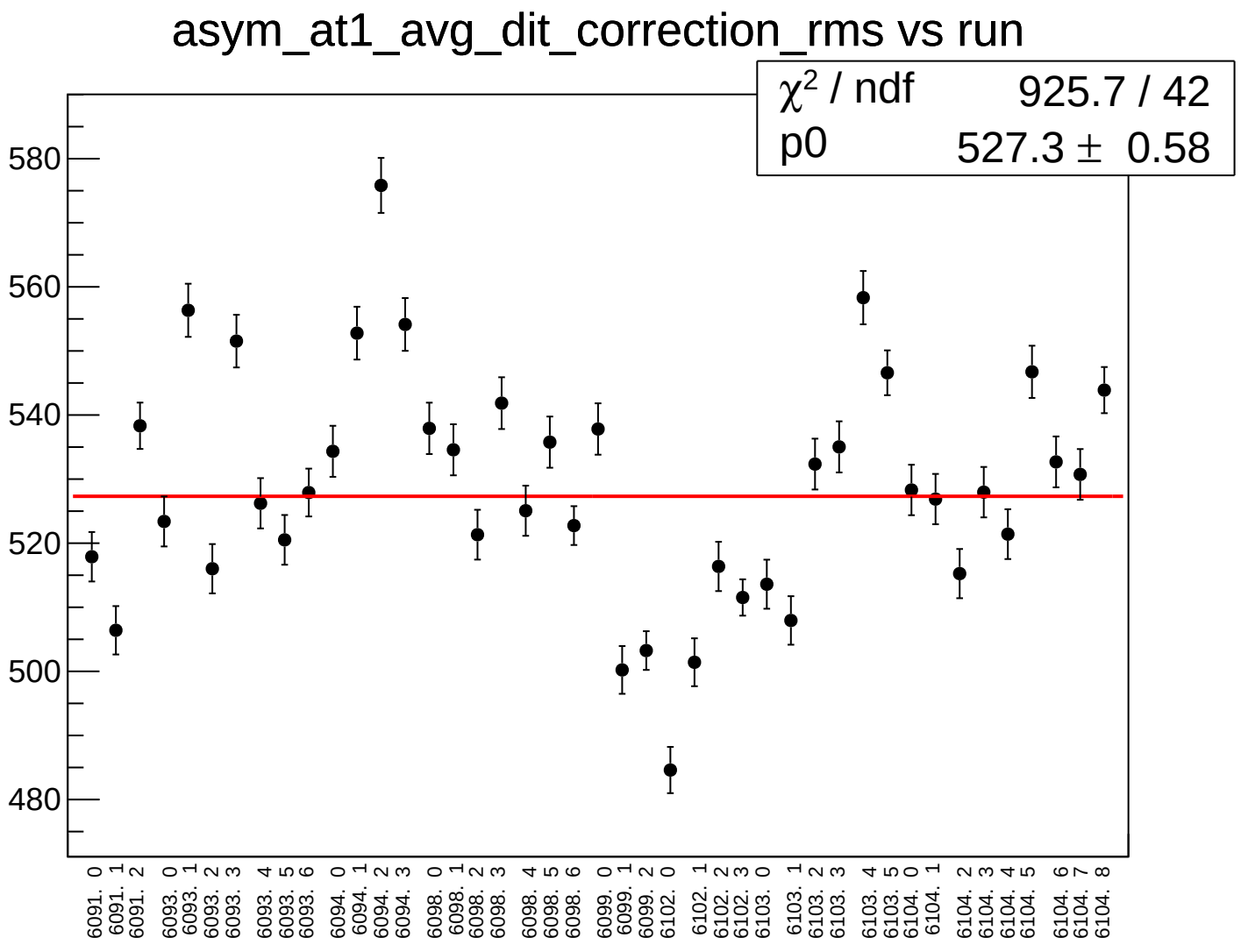

asym_at1_avg_eigen_cor_correction_rms vs run
χ² / ndf 1.067e+04 / 42
p0 464.6 ± 0.514
600
550
500
450
400
350
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

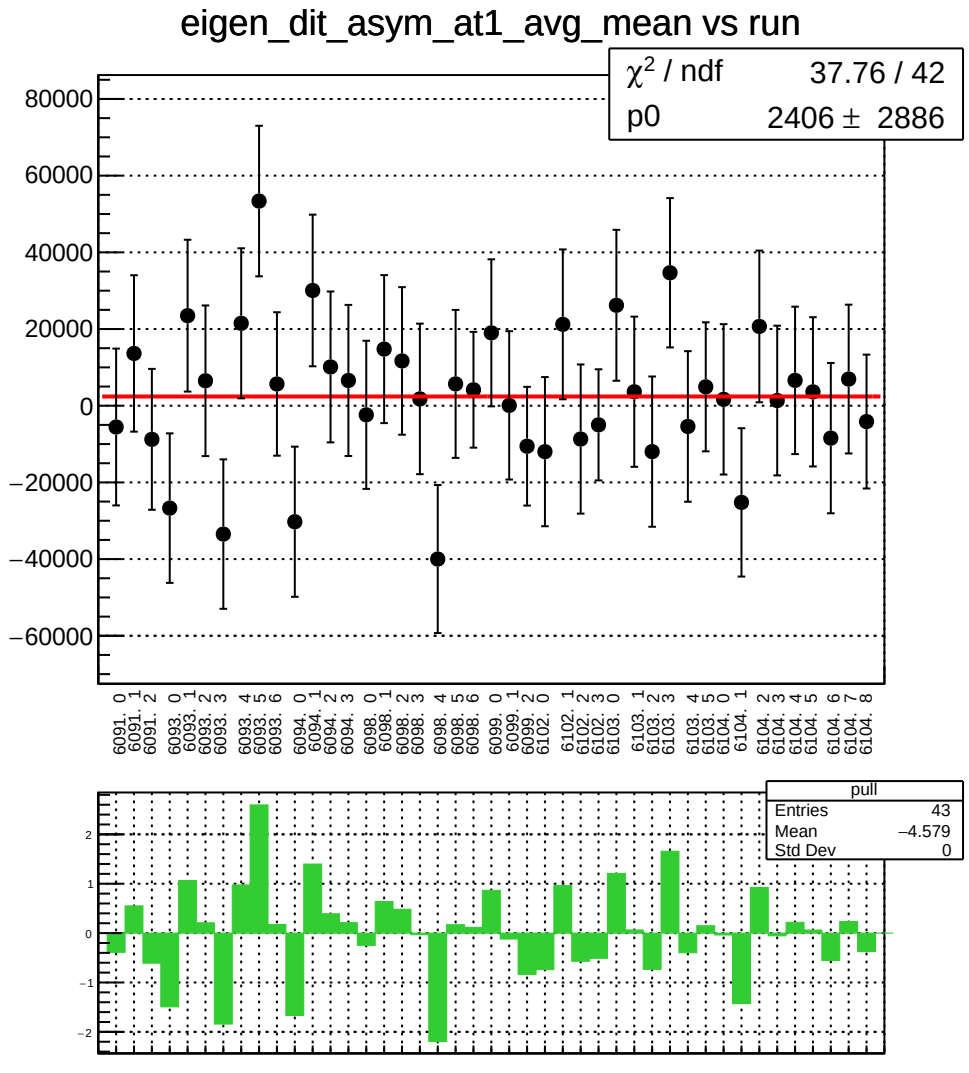

dit_asym_at1_avg_mean vs run
χ² / ndf 37.76 / 42
p0 2406 ± 2886
80000
60000
40000
20000
0
−20000
−40000
−60000
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean −4.579
Std Dev 0
2
1
0
−1
−2

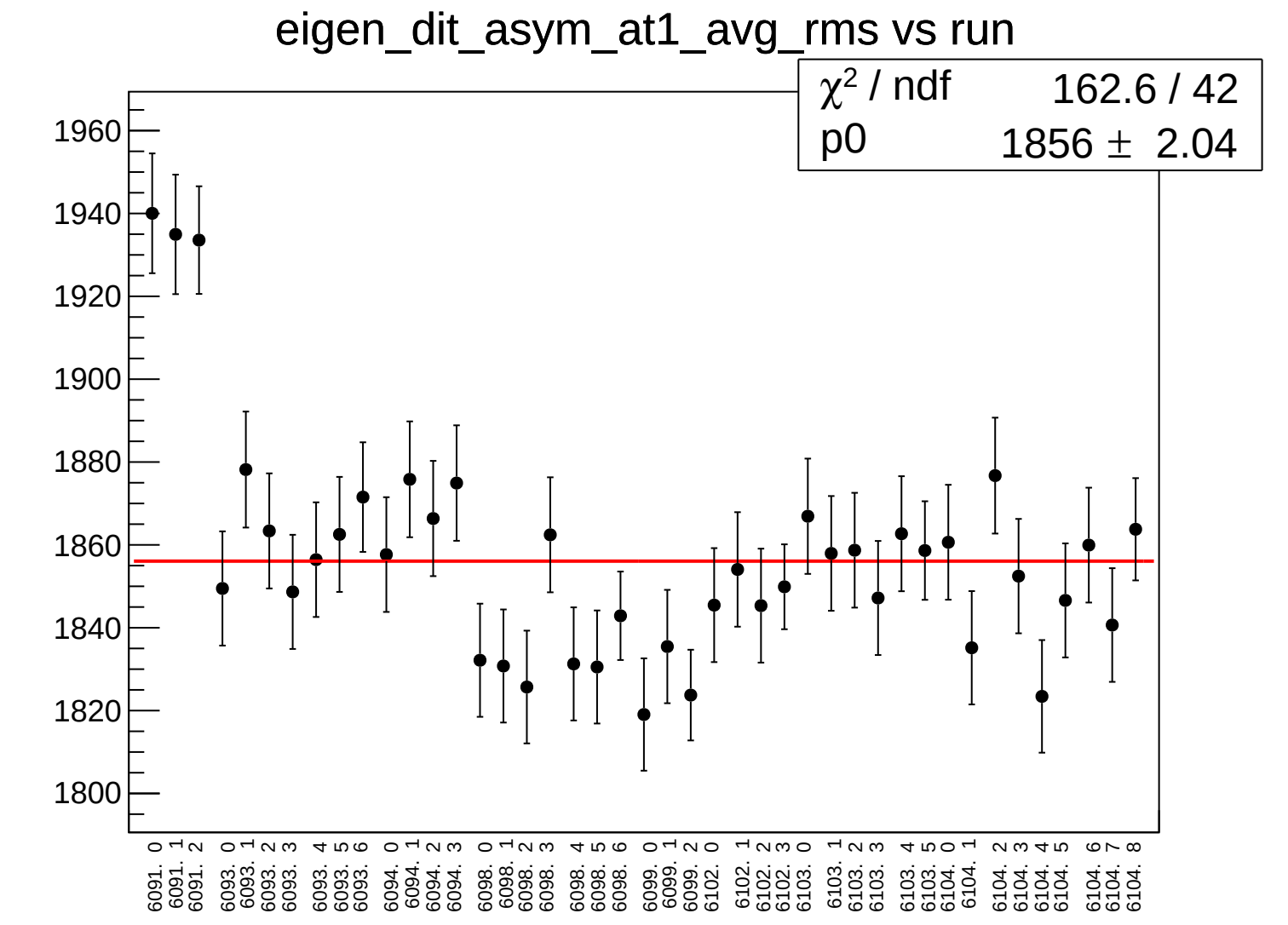

pull1D
Entries 43
Mean 0.01151
Std Dev 0.937
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

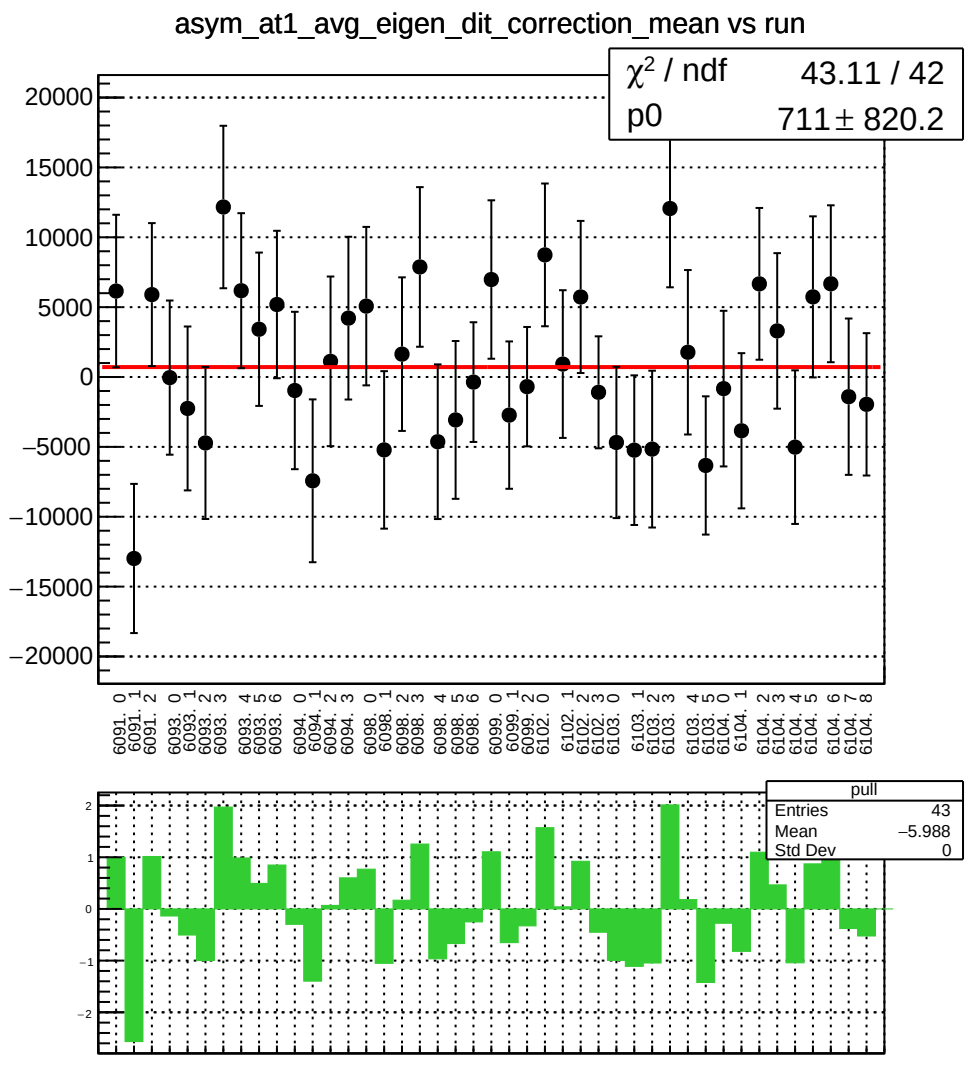

dit_asym_at1_avg_rms vs run
χ² / ndf 162.6 / 42
p0 1856 ± 2.04
1960
1940
1920
1900
1880
1860
1840
1820
1800
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

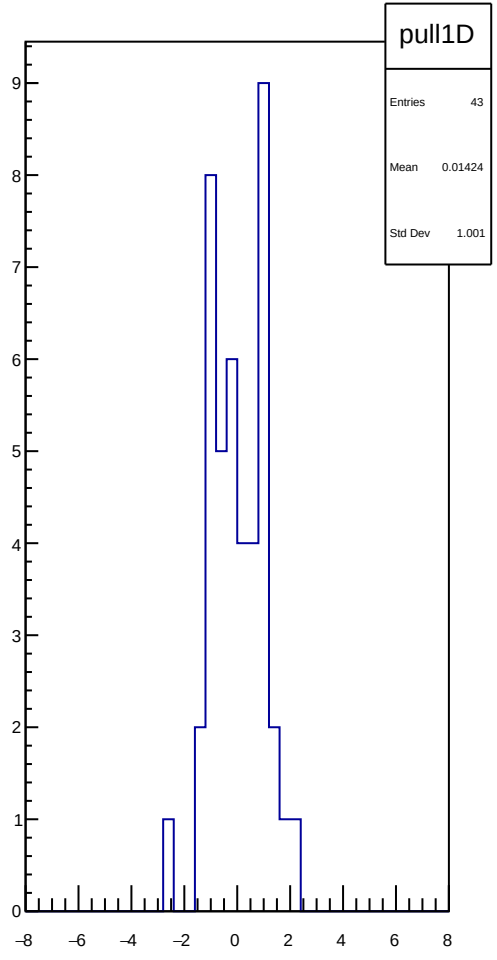

asym_at1_avg_dit_correction_mean vs run
χ² / ndf 43.11 / 42
p0 711 ± 820.2
20000
15000
10000
5000
0
−5000
−10000
−15000
−20000
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean −5.988
Std Dev 0
2
1
0
−1
−2
pull1D
Entries 43
Mean 0.01424
Std Dev 1.001
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

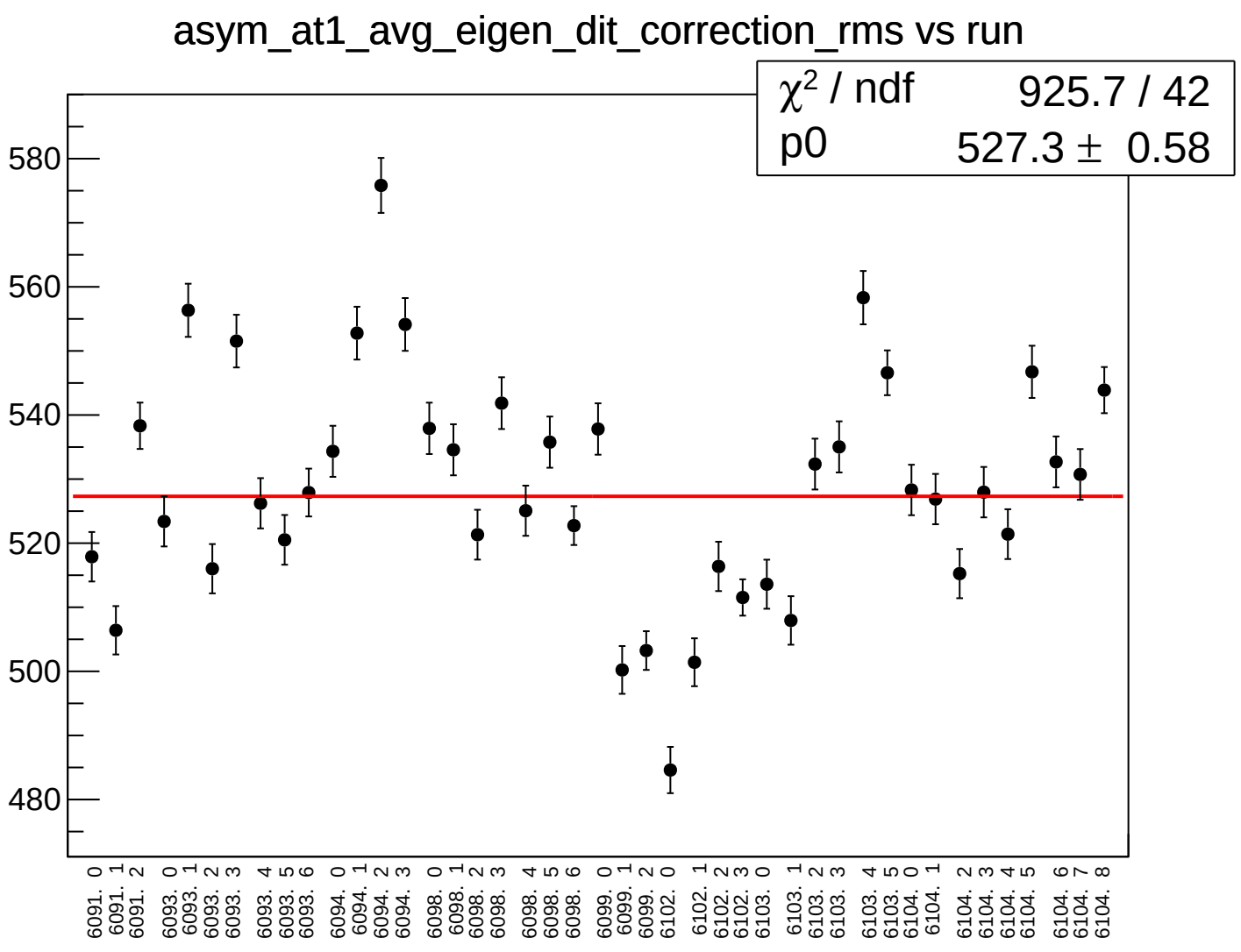

asym_at1_avg_dit_correction_rms vs run
χ² / ndf 925.7 / 42
p0 527.3 ± 0.58
580
560
540
520
500
480
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

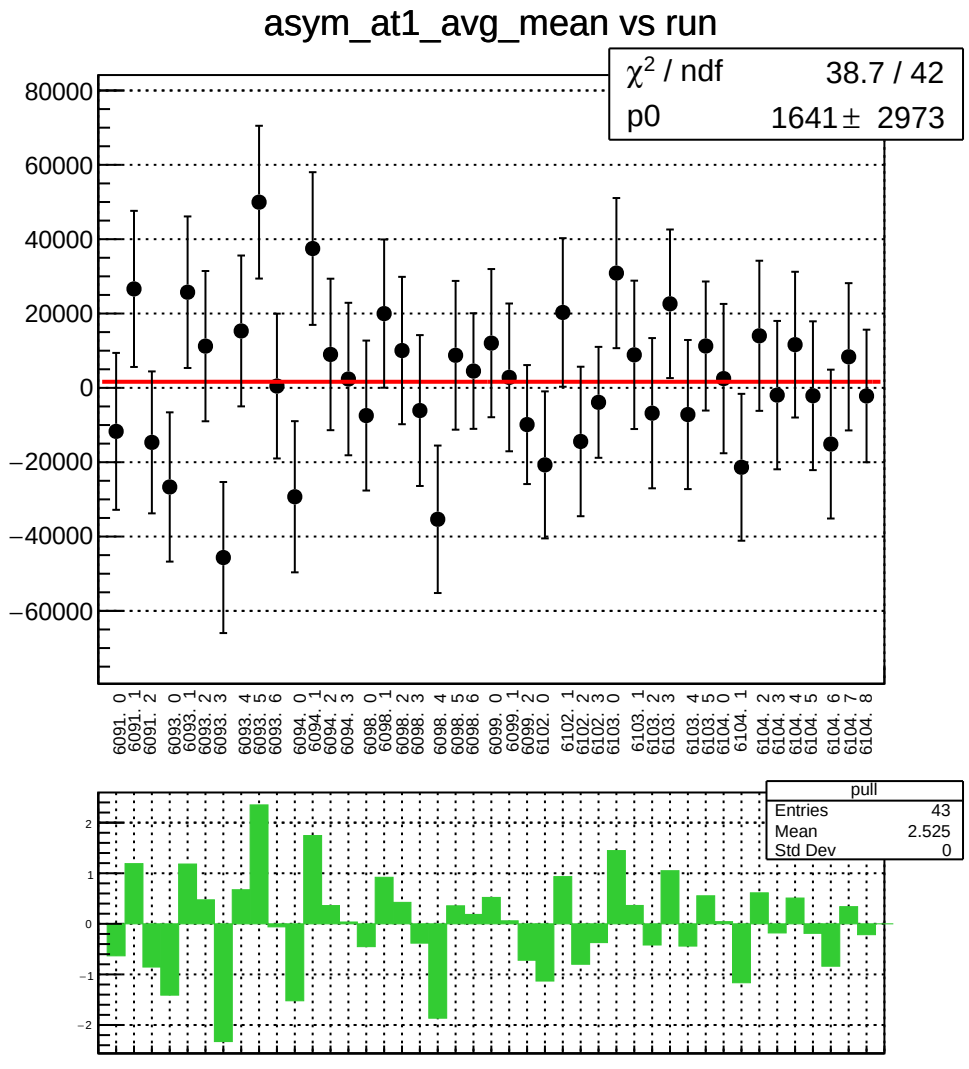

eigen_dit_asym_at1_avg_mean vs run
χ² / ndf 37.76 / 42
p0 2406 ± 2886
80000
60000
40000
20000
0
−20000
−40000
−60000
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean −4.579
Std Dev 0
2
1
0
−1
−2
pull1D
Entries 43
Mean 0.01151
Std Dev 0.937
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

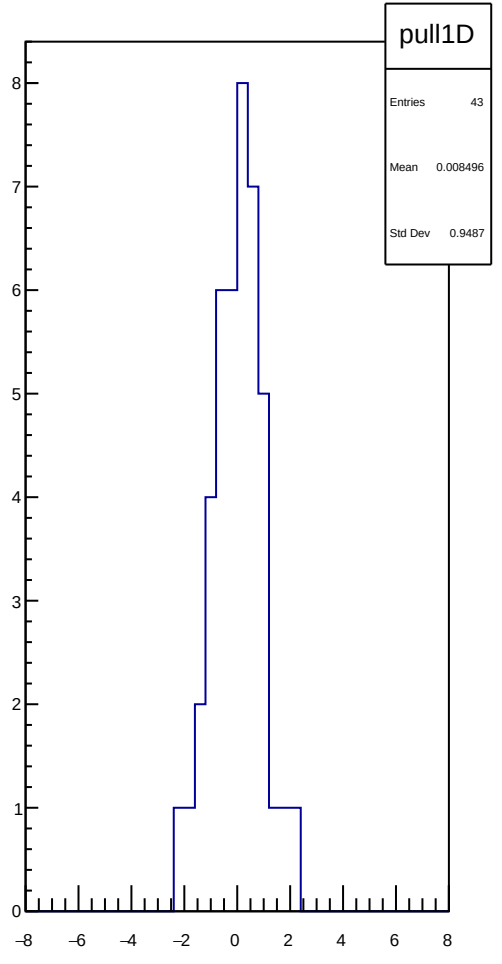

eigen_dit_asym_at1_avg_rms vs run
χ² / ndf 162.6 / 42
p0 1856 ± 2.04
1960
1940
1920
1900
1880
1860
1840
1820
1800
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

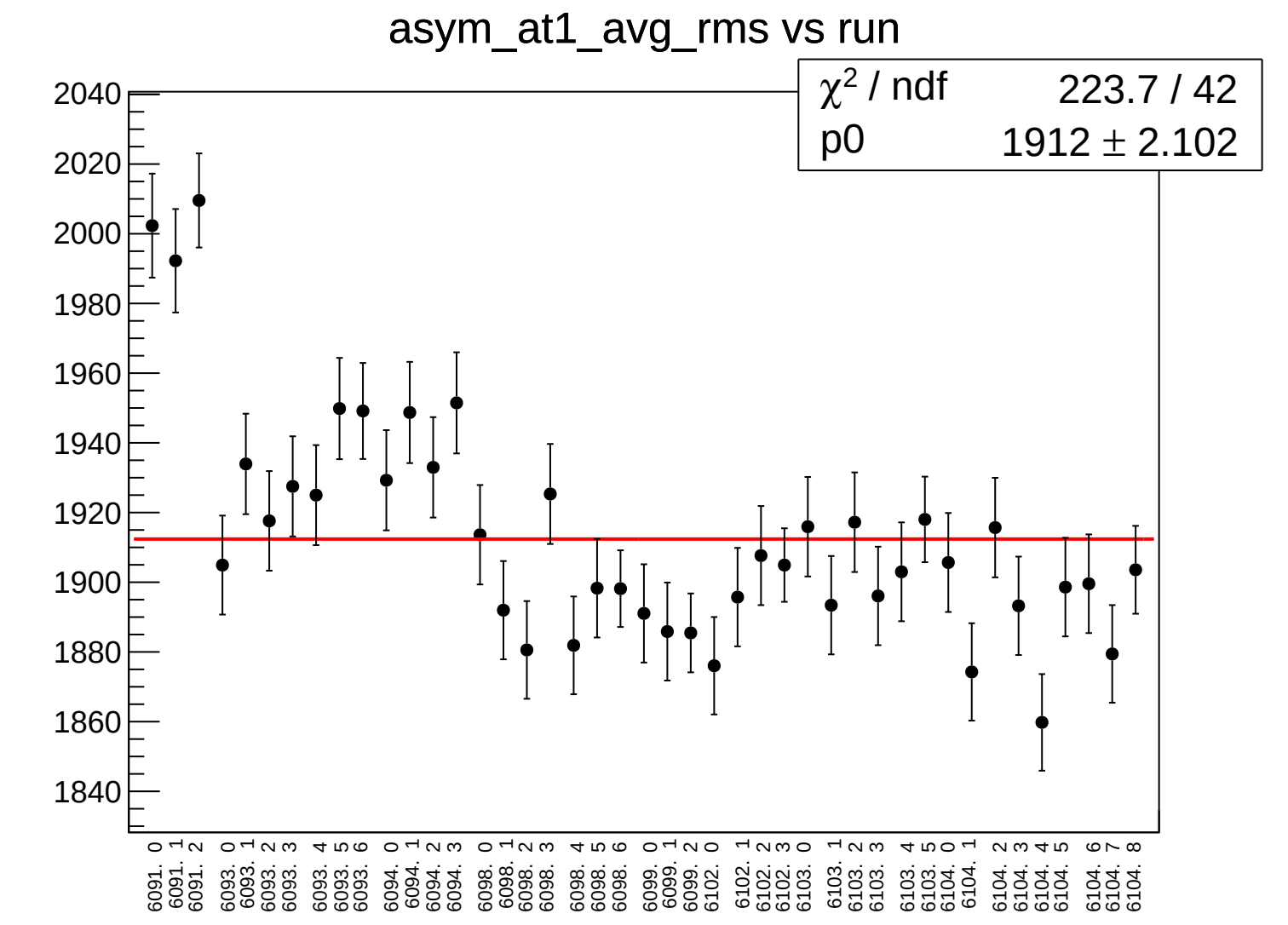

asym_at1_avg_eigen_dit_correction_mean vs run
χ² / ndf 43.11 / 42
p0 711 ± 820.2
pull
Entries 43
Mean −5.988
Std Dev 0

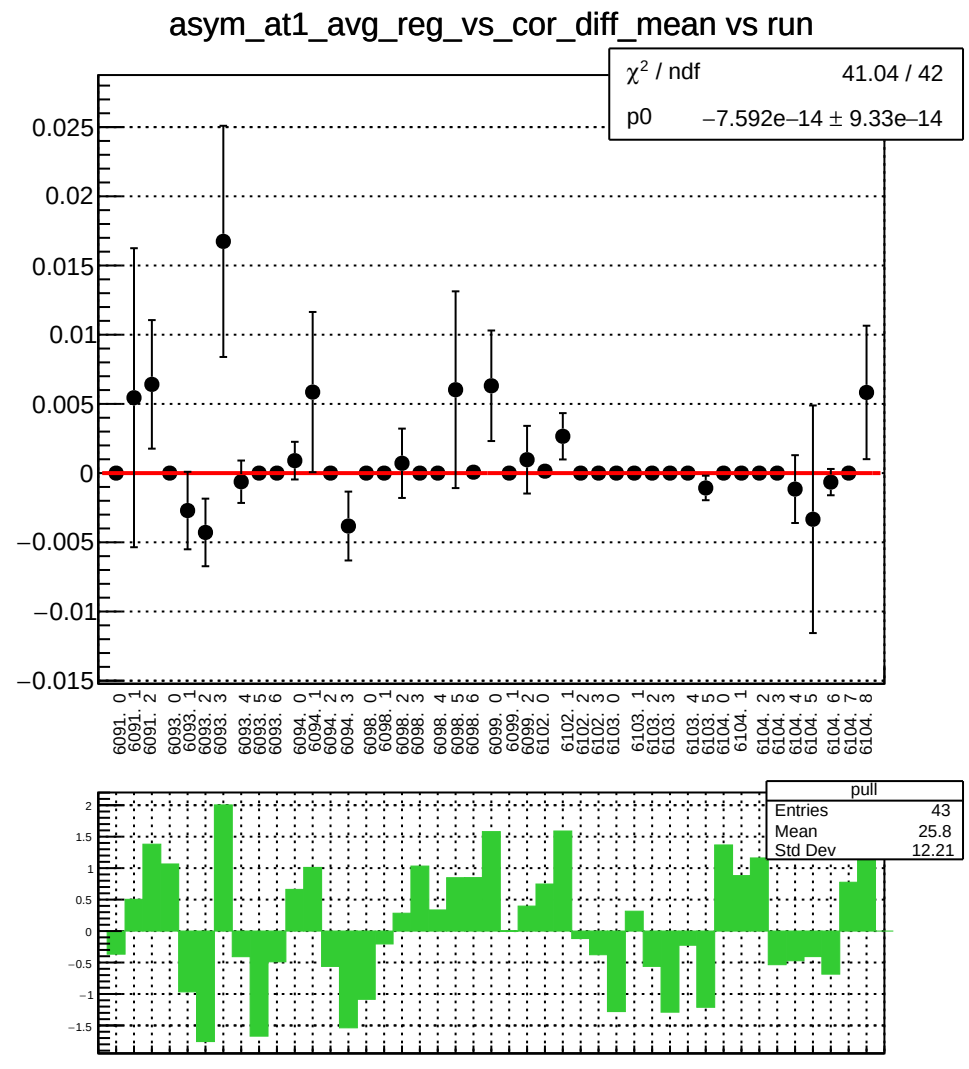

pull1D
Entries 43
Mean 0.01424
Std Dev 1.001

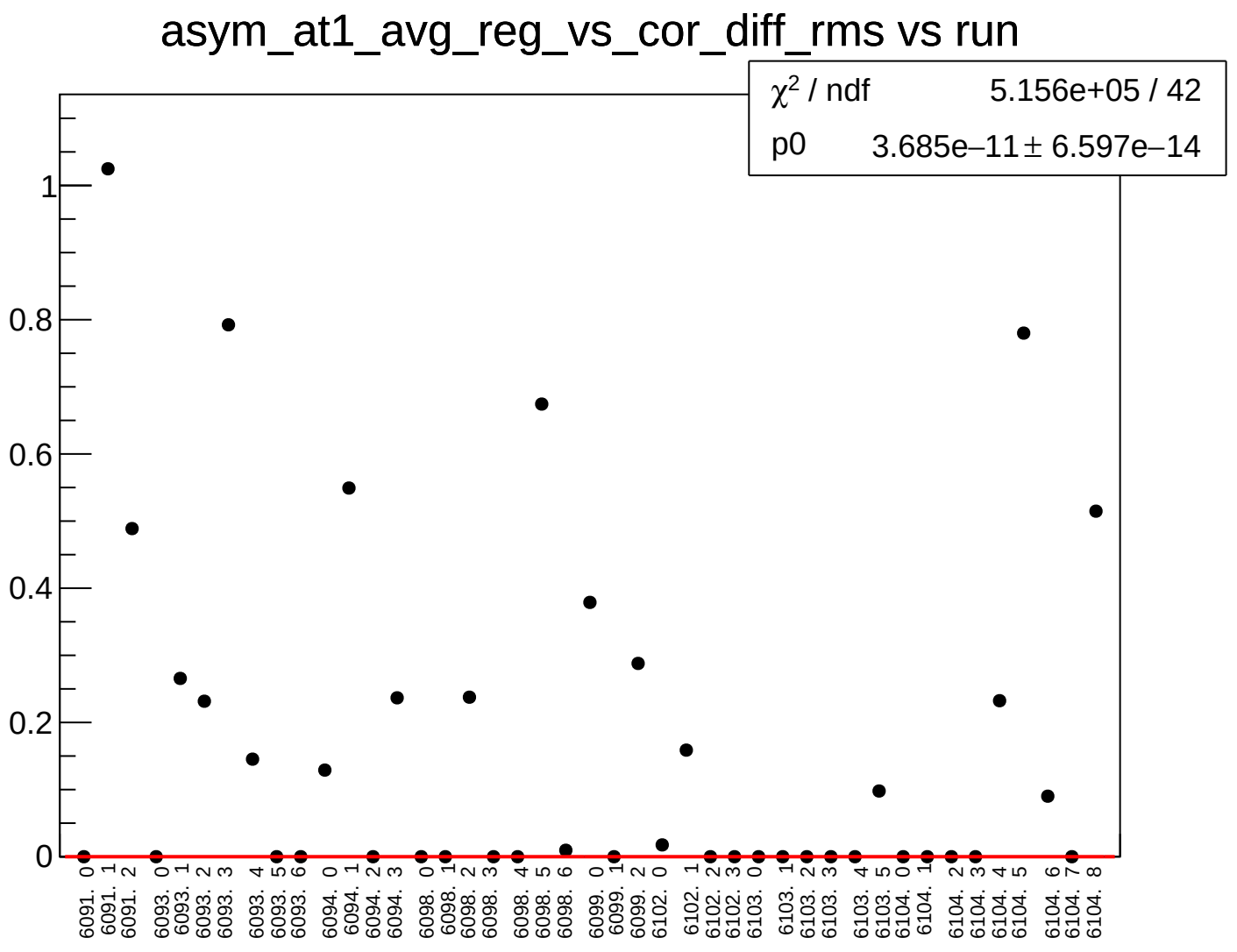

asym_at1_avg_eigen_dit_correction_rms vs run
χ² / ndf 925.7 / 42
p0 527.3 ± 0.58
580
560
540
520
500
480
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8


asym_at1_avg_mean vs run
χ² / ndf 38.7 / 42
p0 1641 ± 2973
80000
60000
40000
20000
0
−20000
−40000
−60000
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 2.525
Std Dev 0
2
1
0
−1
−2

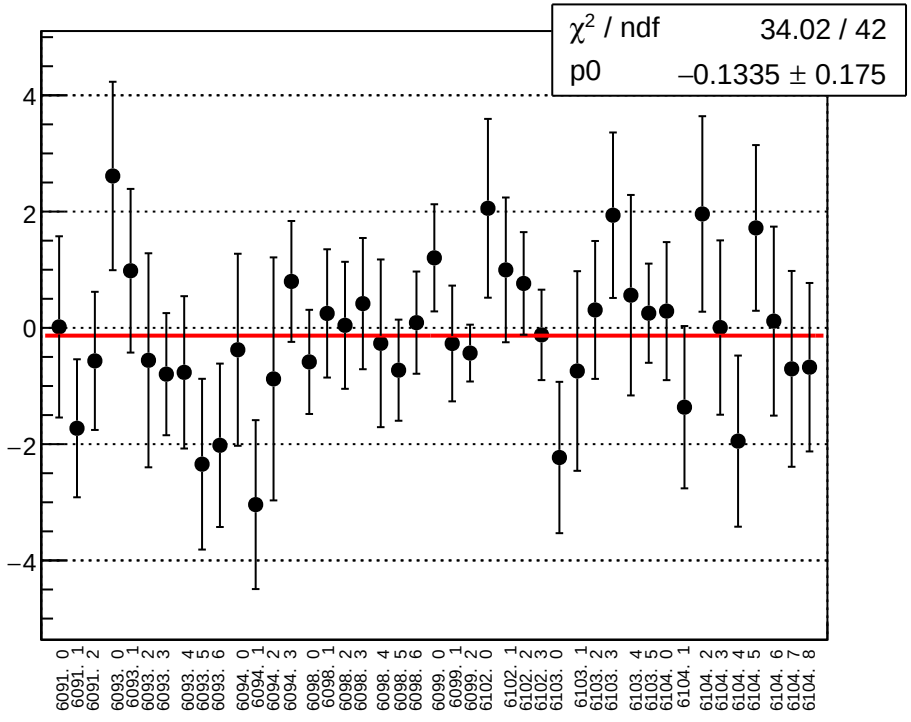

pull1D
Entries 43
Mean 0.008496
Std Dev 0.9487
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

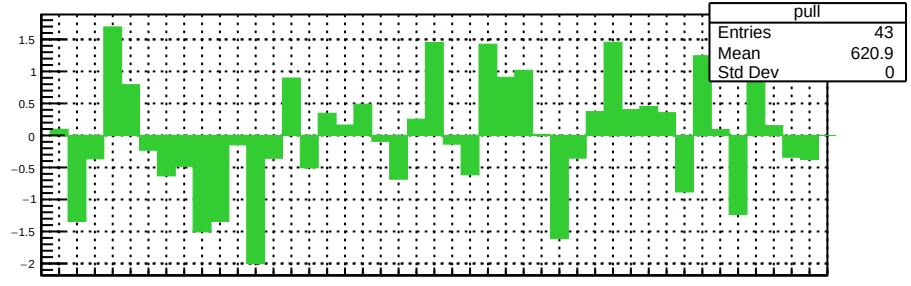

asym_at1_avg_rms vs run
χ^2 / ndf 223.7 / 42
p0 1912 ± 2.102
2040
2020
2000
1980
1960
1940
1920
1900
1880
1860
1840
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

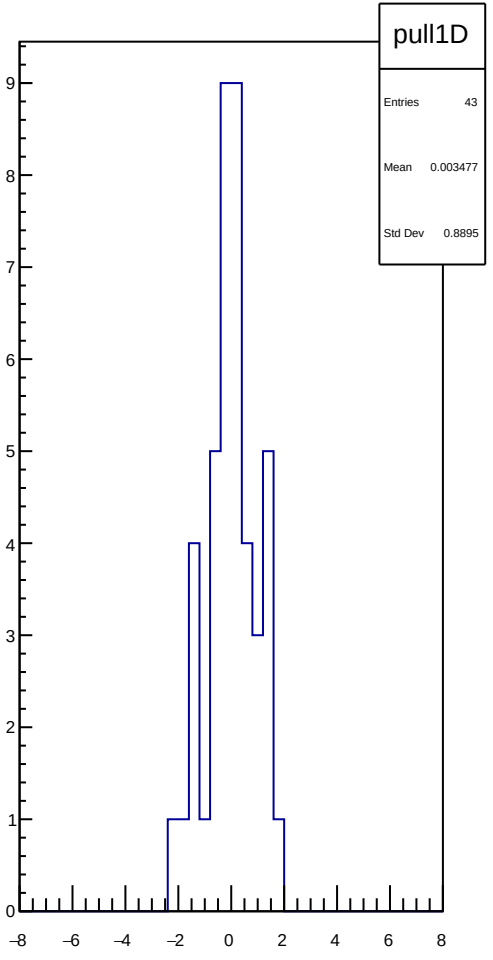

asym_at1_avg_reg_vs_cor_diff_mean vs run
χ² / ndf 41.04 / 42
p0 −7.592e−14 ± 9.33e−14
0.025
0.02
0.015
0.01
0.005
0
−0.005
−0.01
−0.015
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 25.8
Std Dev 12.21
2
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 43
Mean 0.08846
Std Dev 0.9729
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

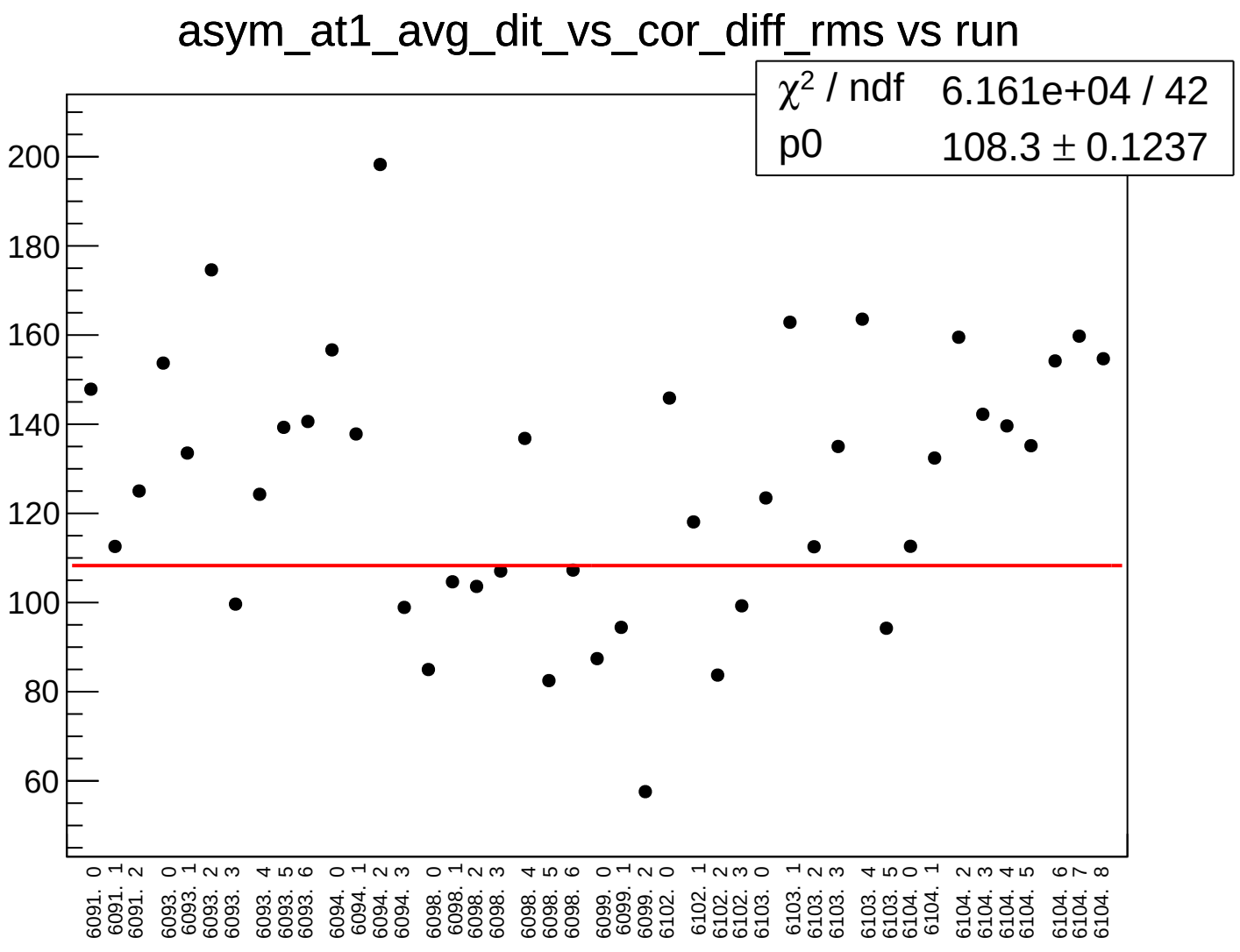

asym_at1_avg_reg_vs_cor_diff_rms vs run
χ² / ndf 5.156e+05 / 42
p0 3.685e−11 ± 6.597e−14
1
0.8
0.6
0.4
0.2
0
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

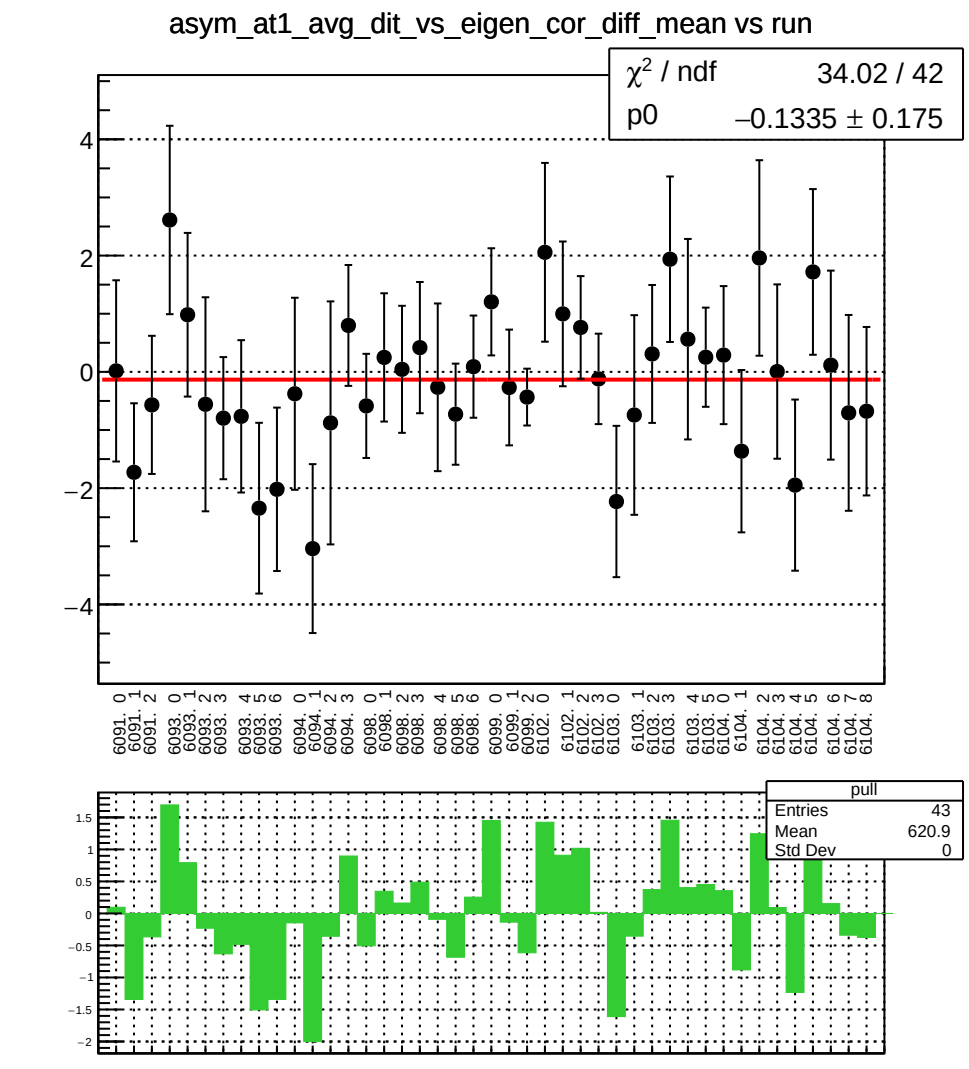
asym_at1_avg_dit_vs_cor_diff_mean vs run

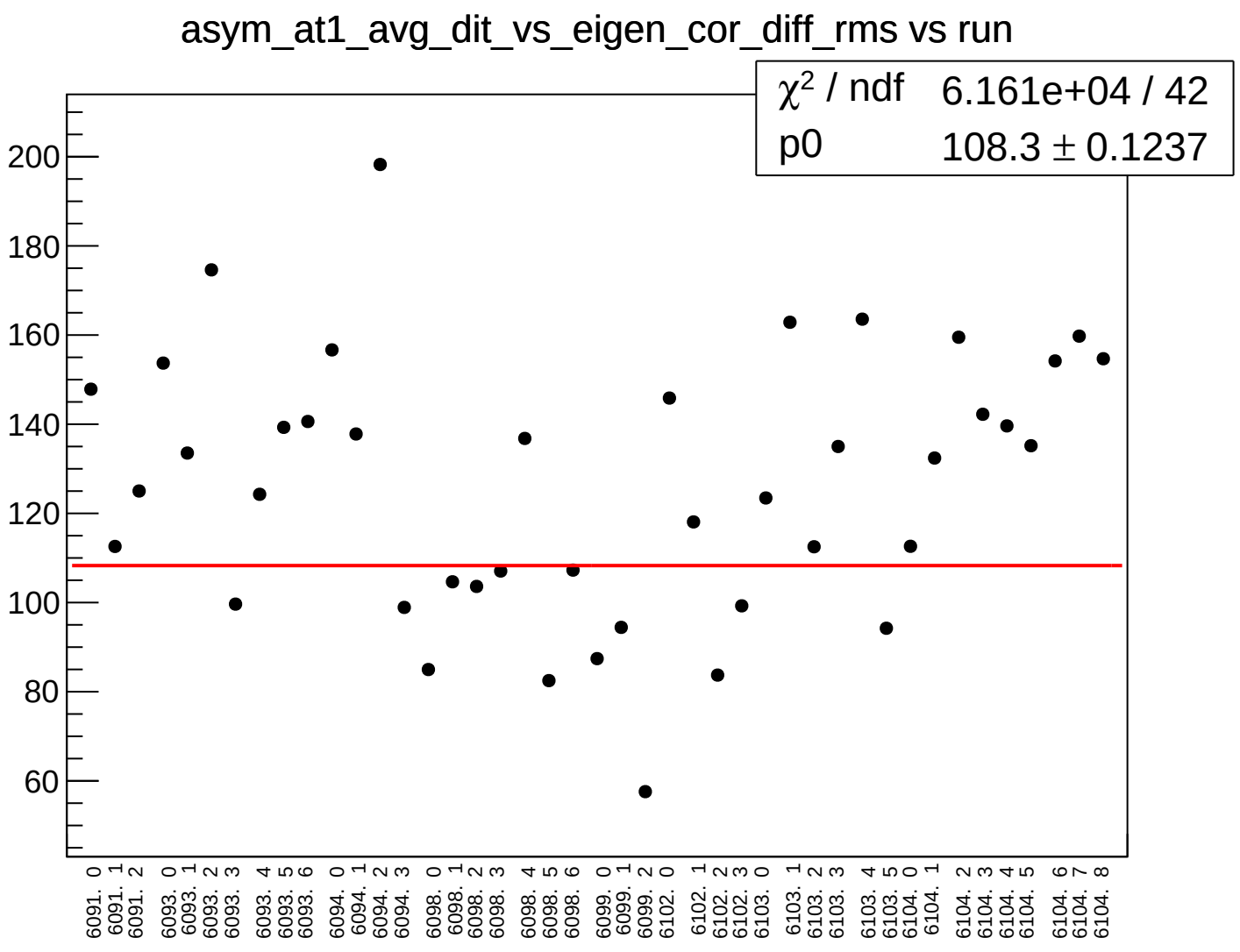


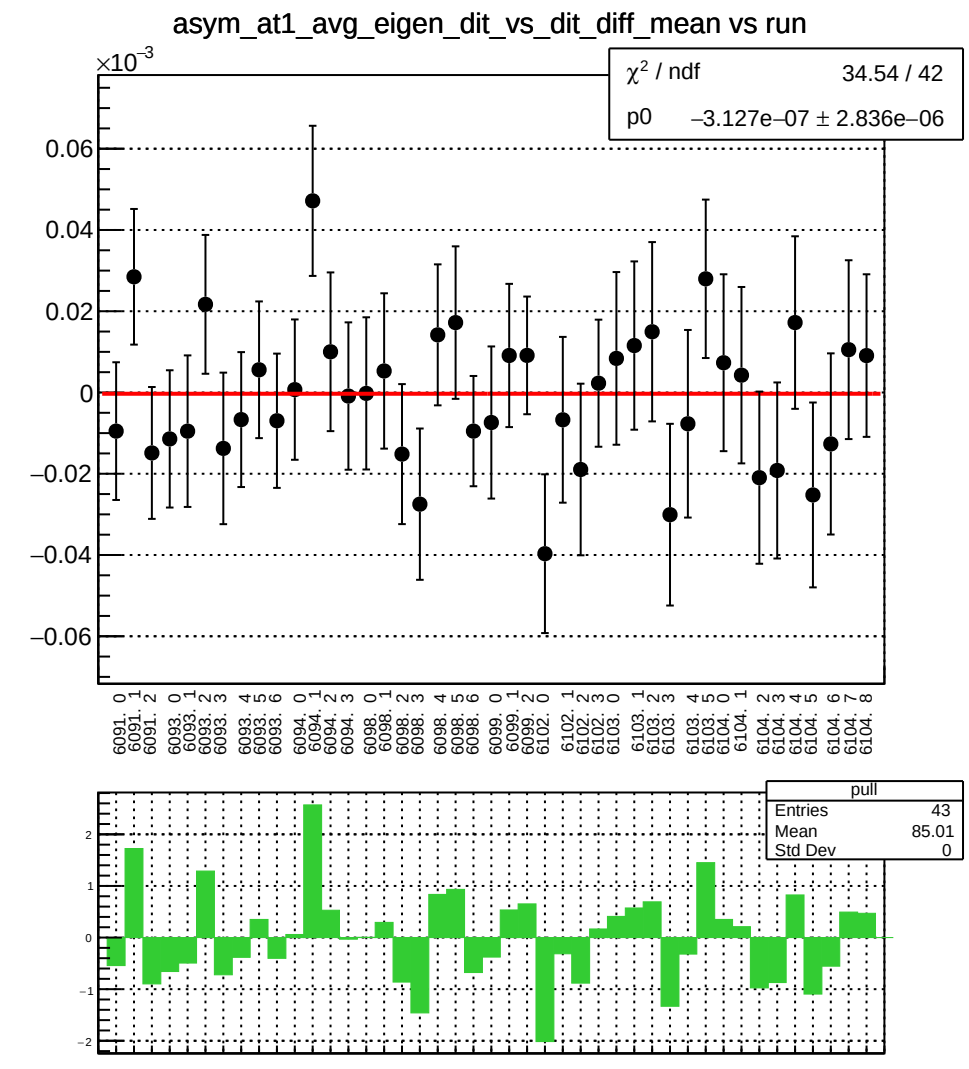


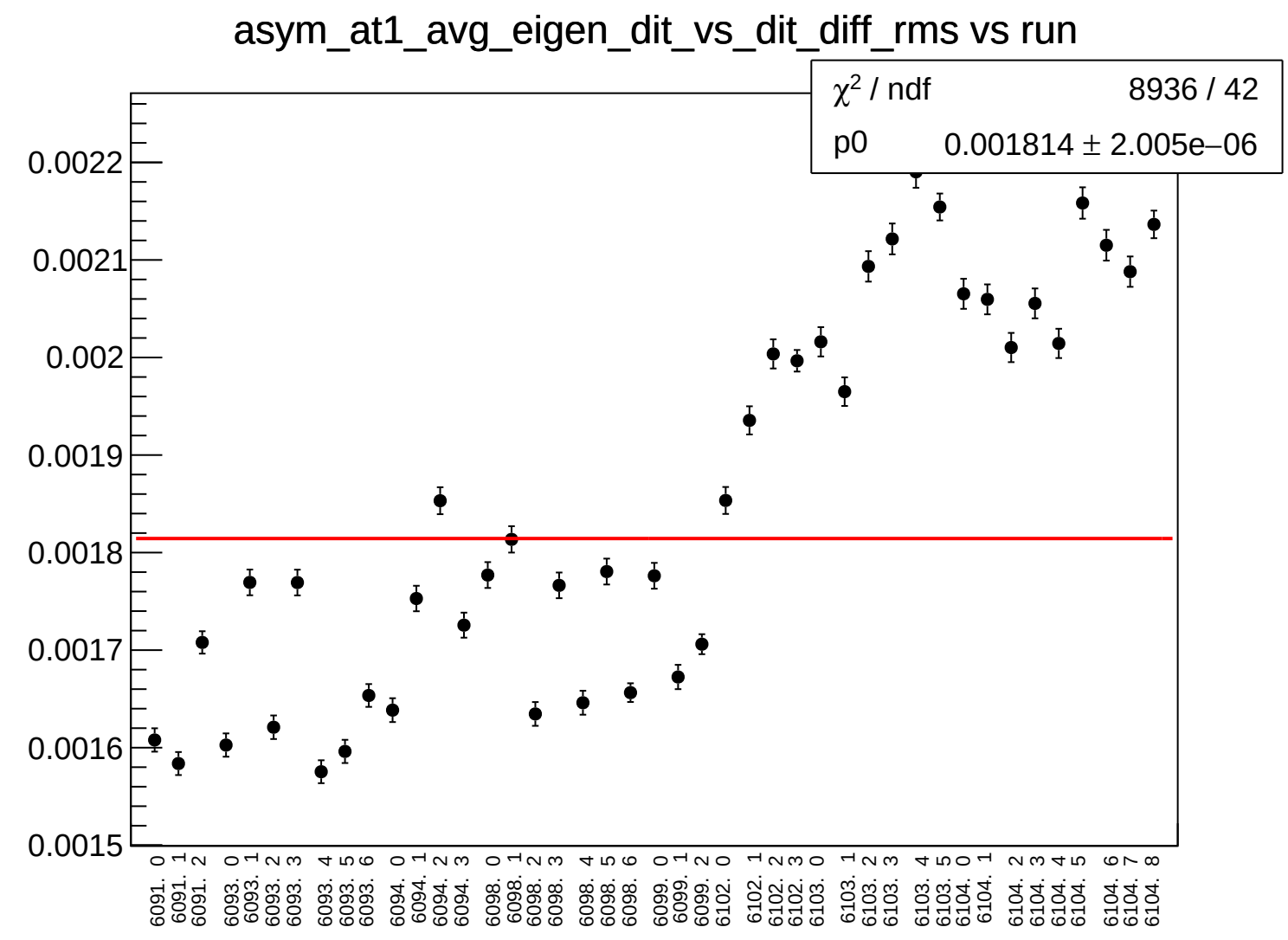



asym_at1_avg_dit_vs_cor_diff_rms vs run
χ² / ndf 6.161e+04 / 42
p0 108.3 ± 0.1237
200
180
160
140
120
100
80
60
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

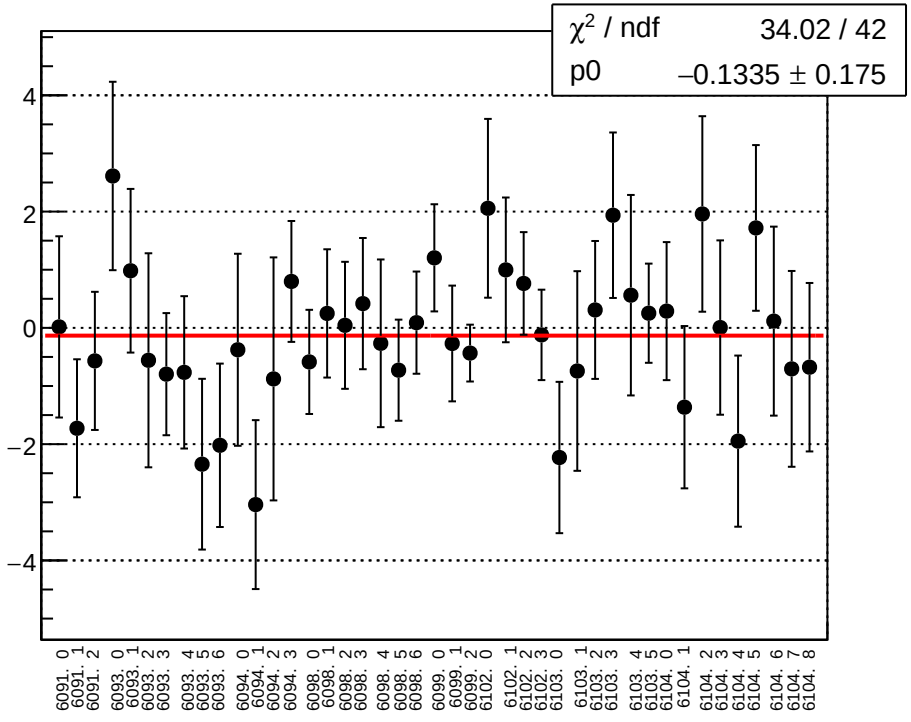

asym_at1_avg_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 34.02 / 42
p0 −0.1335 ± 0.175
4
2
0
−2
−4
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 620.9
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 43
Mean 0.003477
Std Dev 0.8895
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

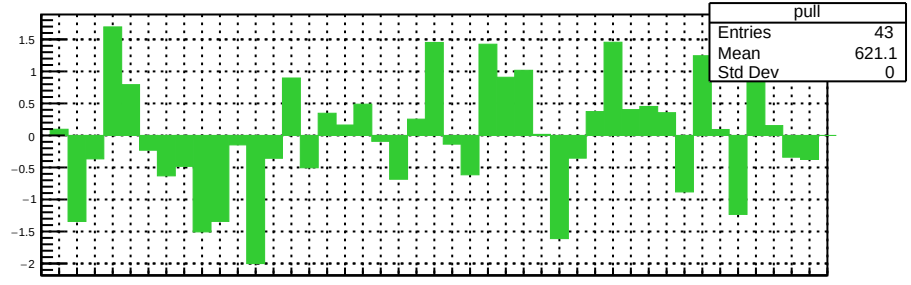

asym_at1_avg_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 6.161e+04 / 42
p0 108.3 ± 0.1237
200
180
160
140
120
100
80
60
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

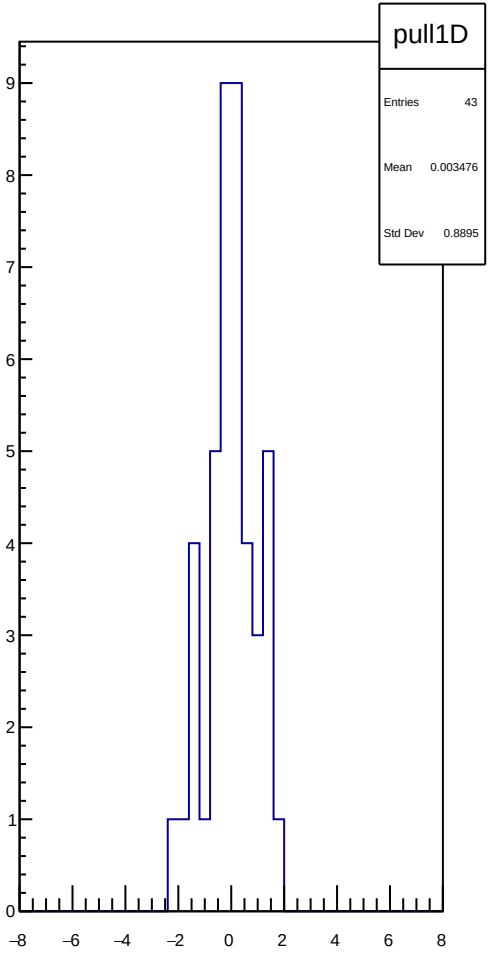

asym_at1_avg_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 34.54 / 42
p0 −3.127e−07 ± 2.836e−06
0.06
0.04
0.02
0
−0.02
−0.04
−0.06
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 85.01
Std Dev 0
2
1
0
−1
−2
pull1D
Entries 43
Mean −0.01037
Std Dev 0.8961
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

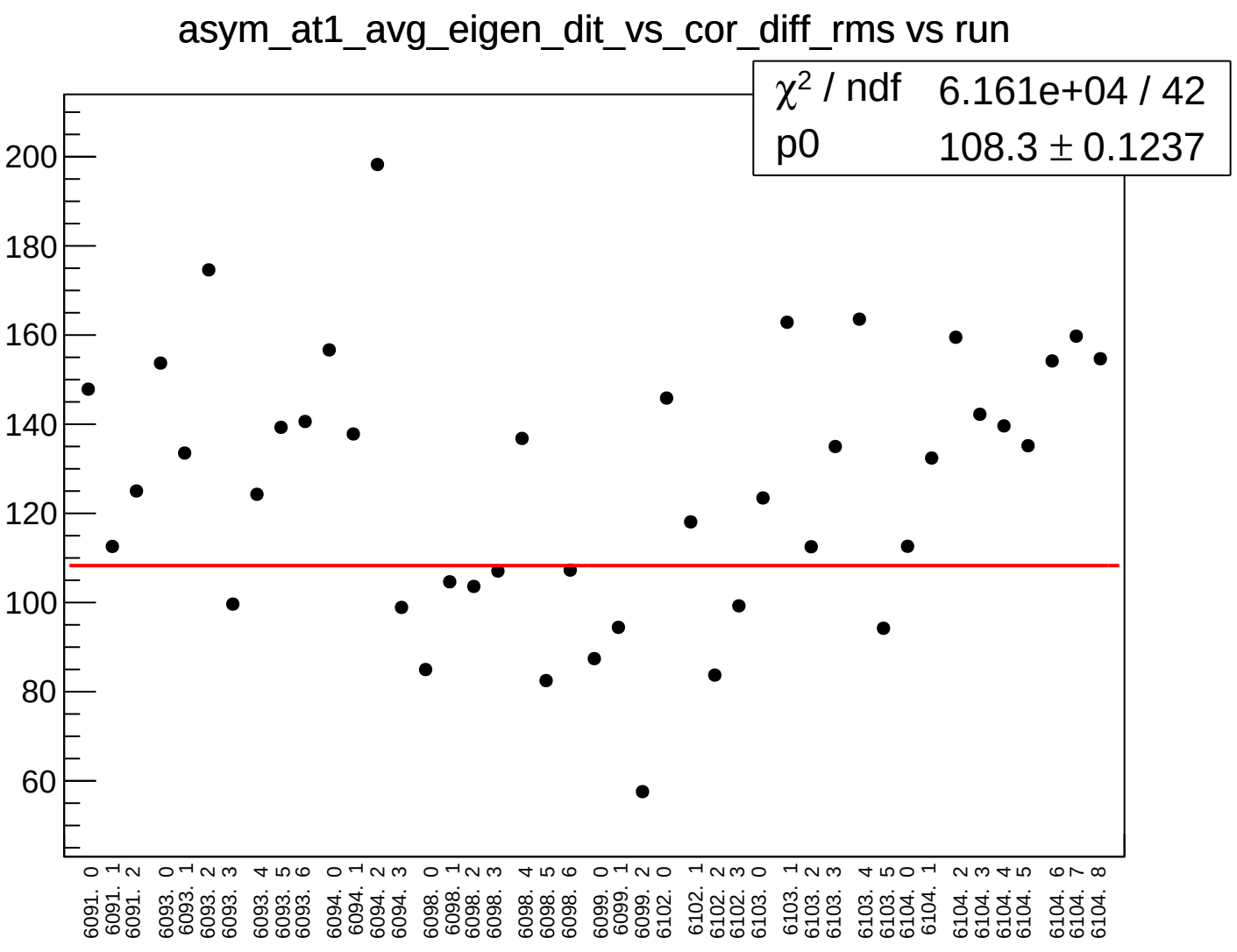

asym_at1_avg_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 8936 / 42
p0 0.001814 ± 2.005e−06
0.0022
0.0021
0.002
0.0019
0.0018
0.0017
0.0016
0.0015
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

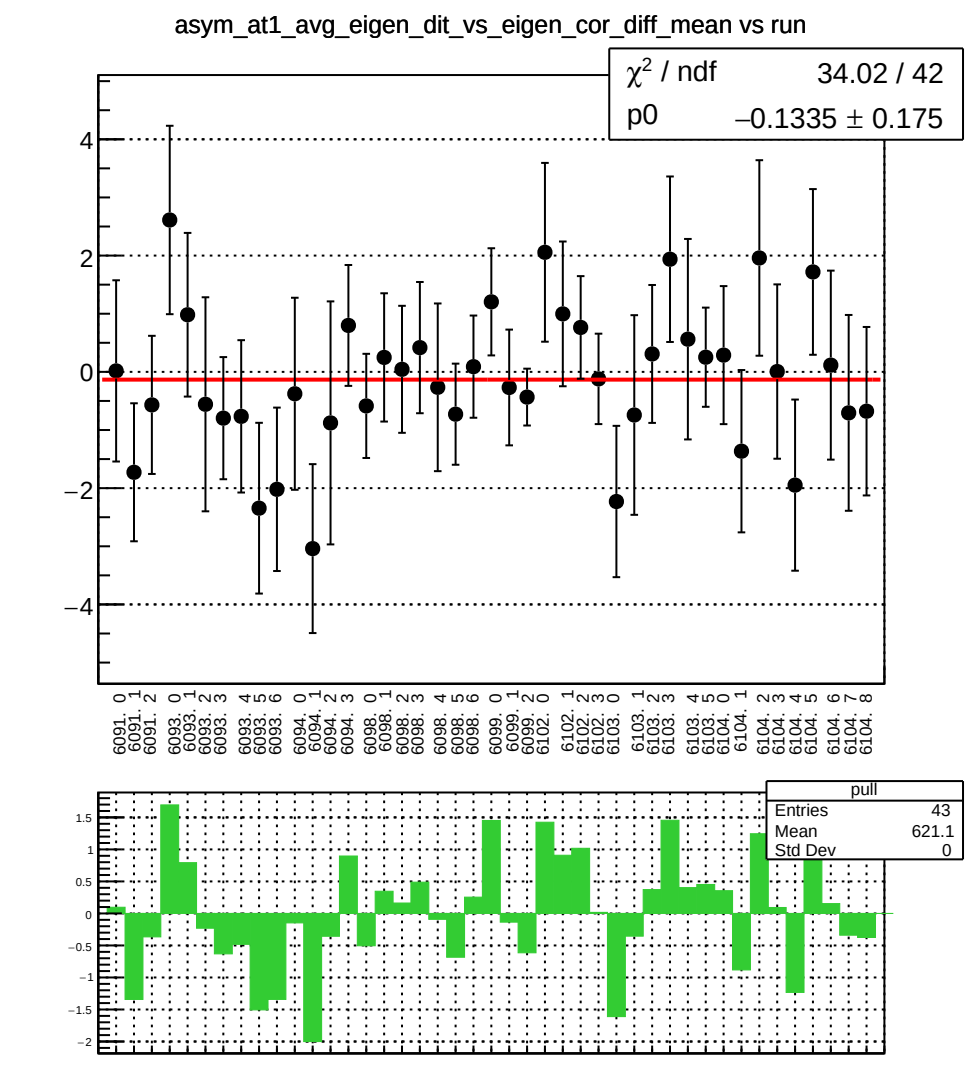
asym_at1_avg_eigen_dit_vs_cor_diff_mean vs run

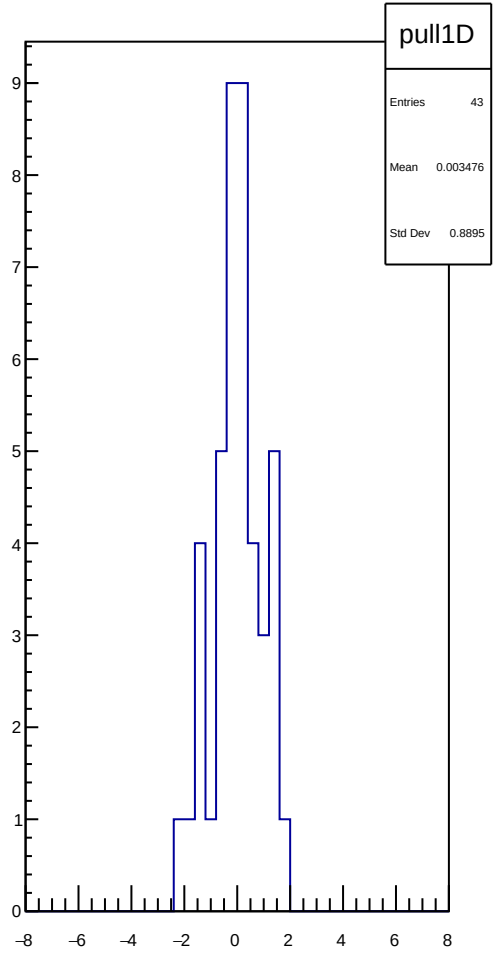


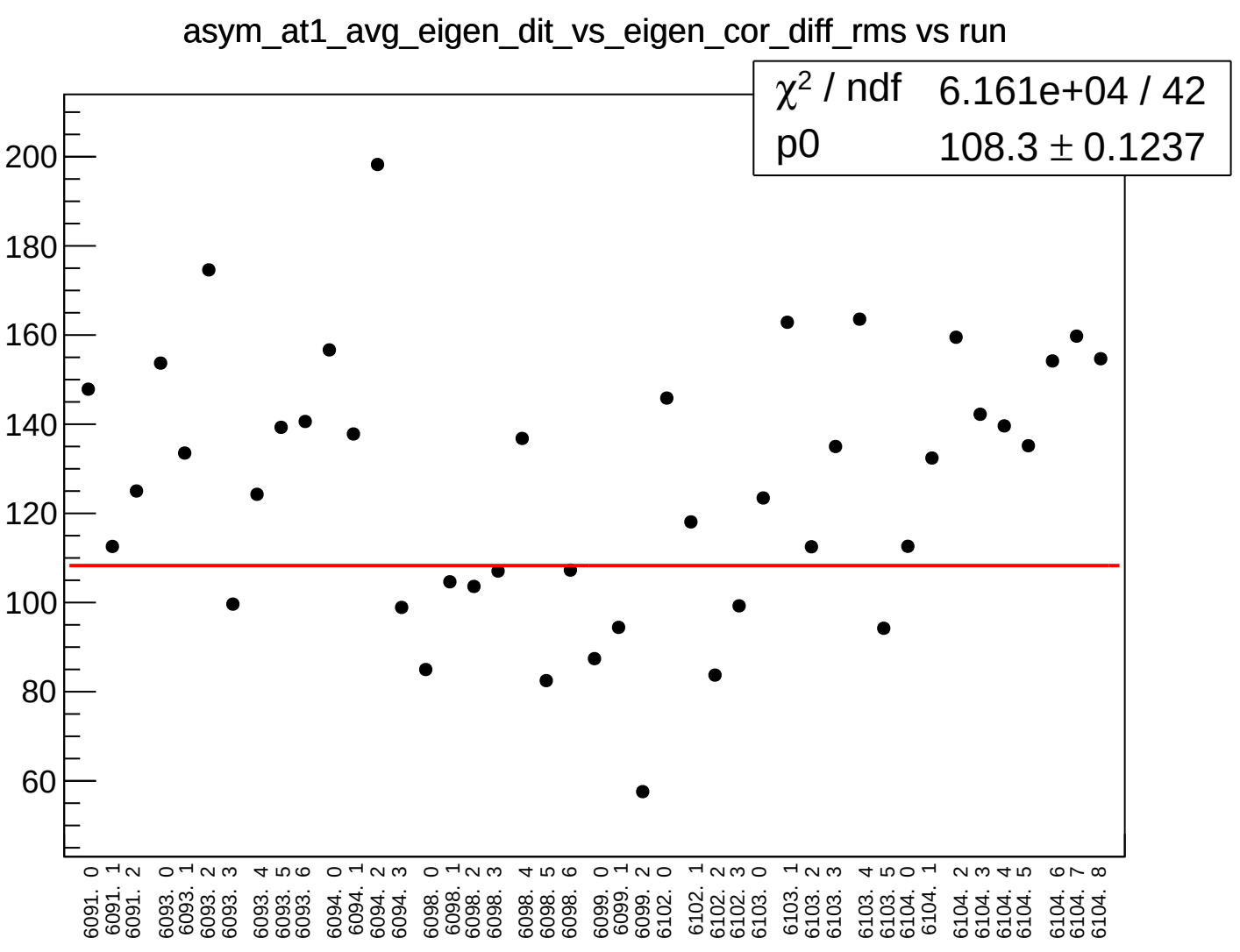


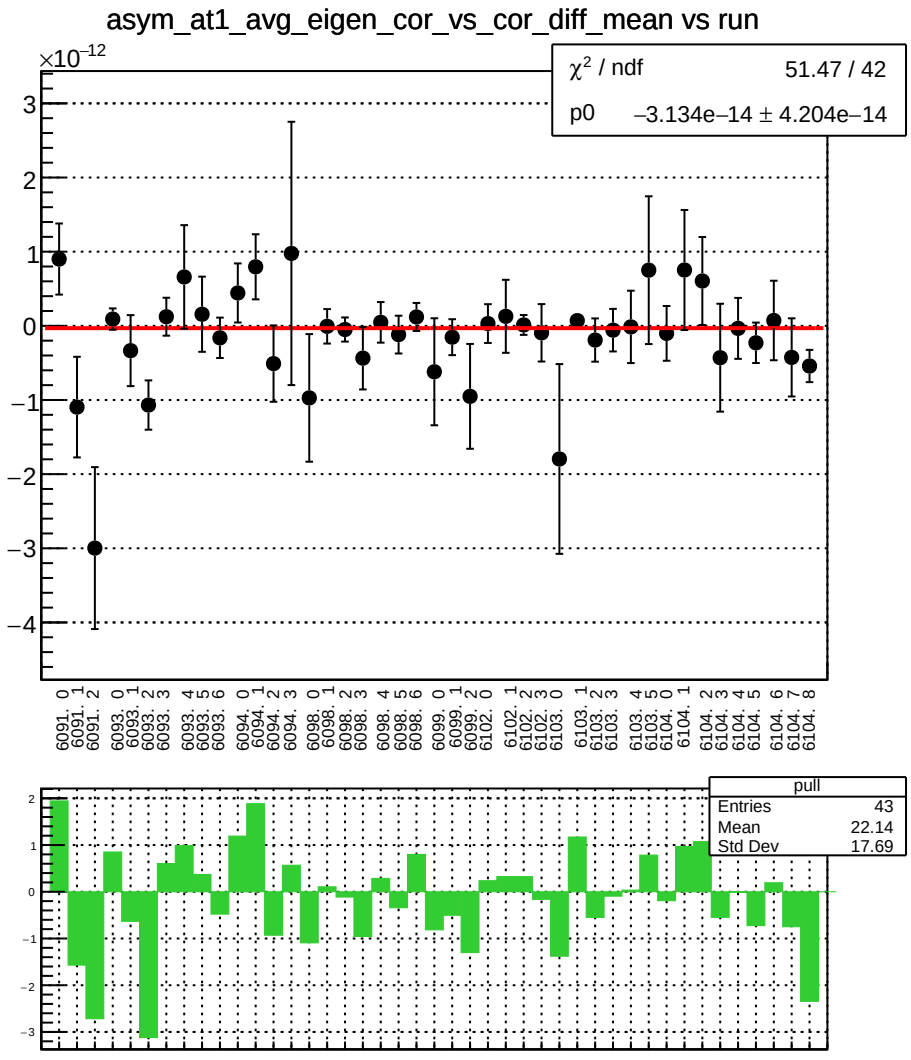


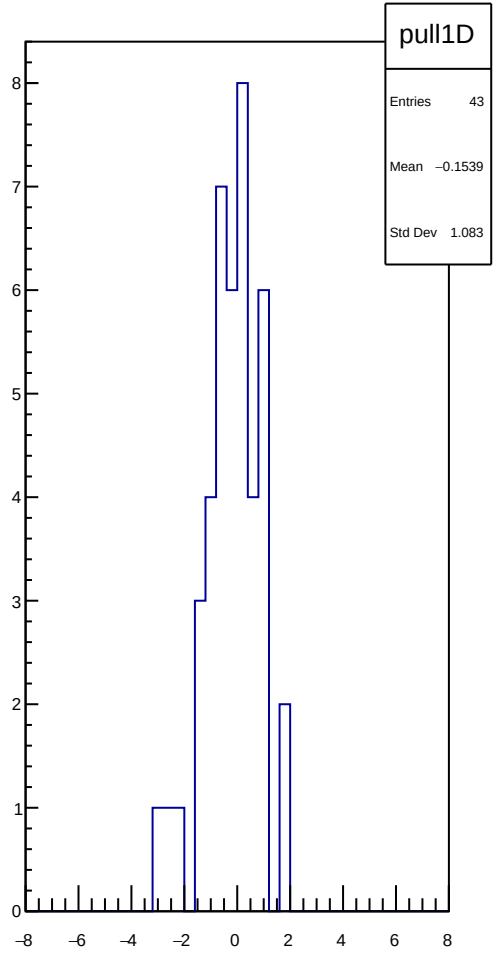

asym_at1_avg_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 6.161e+04 / 42
p0 108.3 ± 0.1237
200
180
160
140
120
100
80
60
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

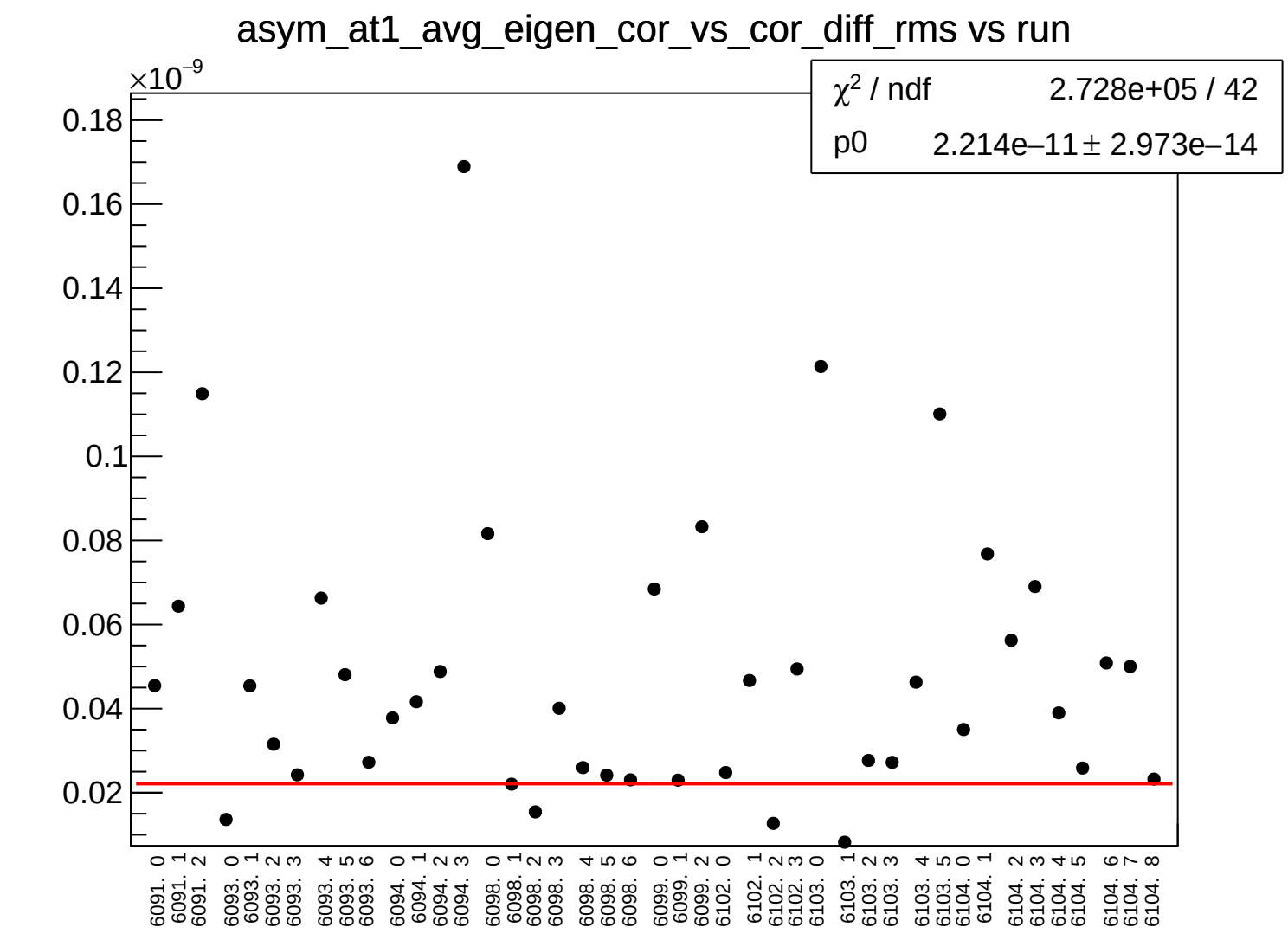

asym_at1_avg_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 34.02 / 42
p0 −0.1335 ± 0.175
4
2
0
−2
−4
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 621.1
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2

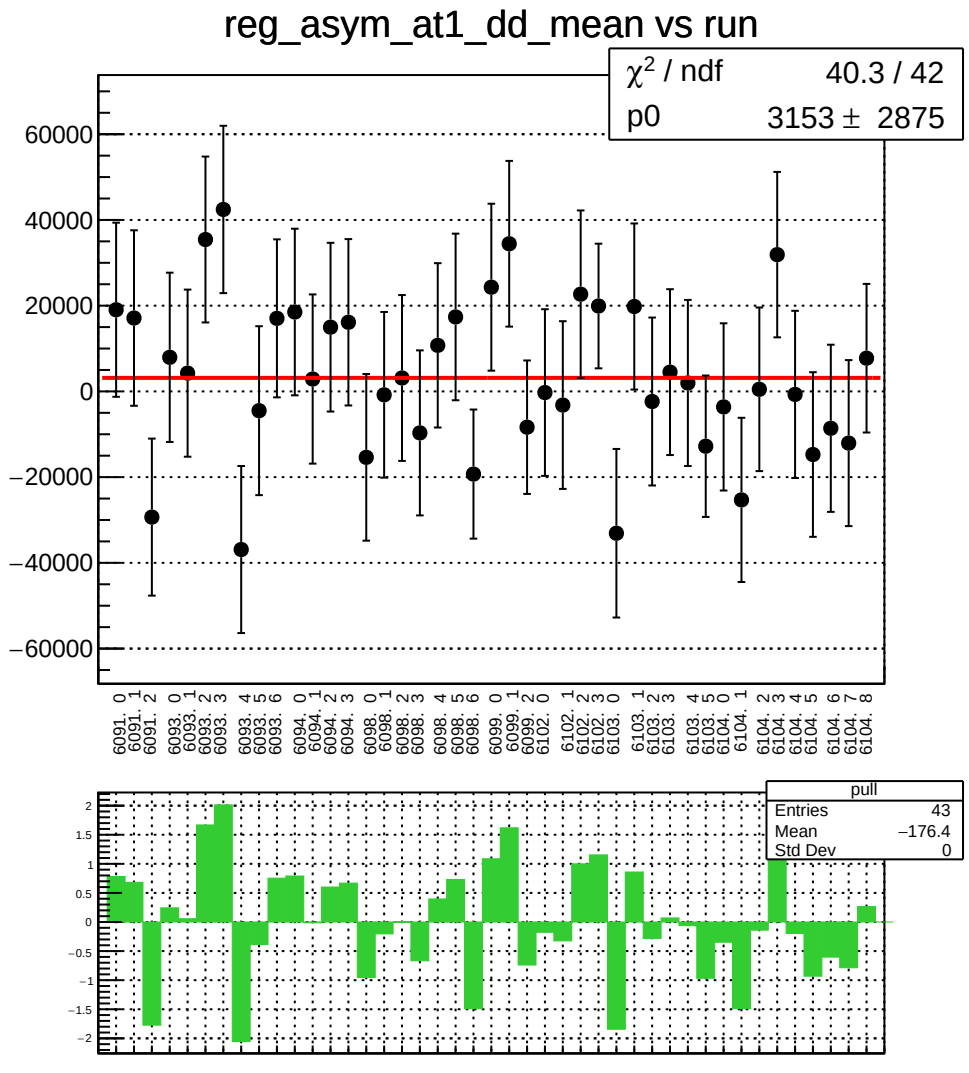

pull1D
Entries 43
Mean 0.003476
Std Dev 0.8895
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

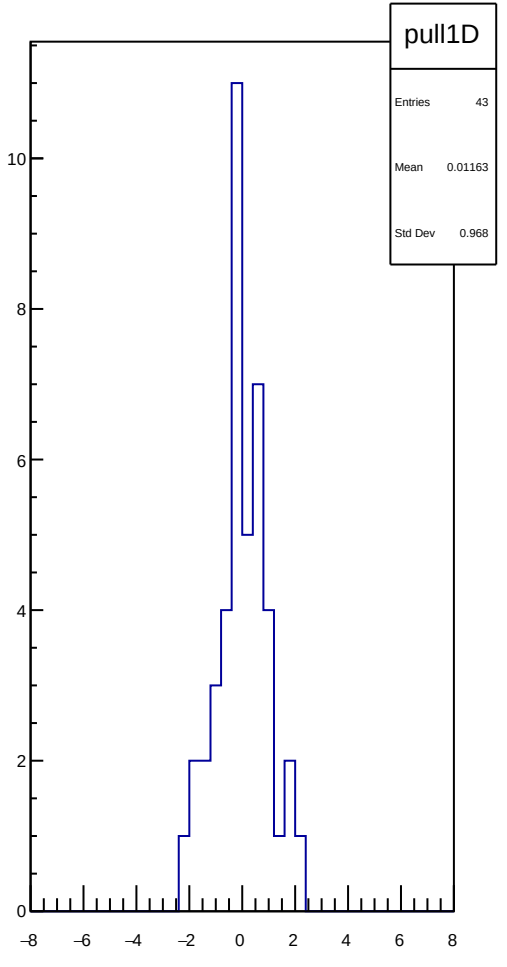

asym_at1_avg_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 6.161e+04 / 42
p0 108.3 ± 0.1237
200
180
160
140
120
100
80
60
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

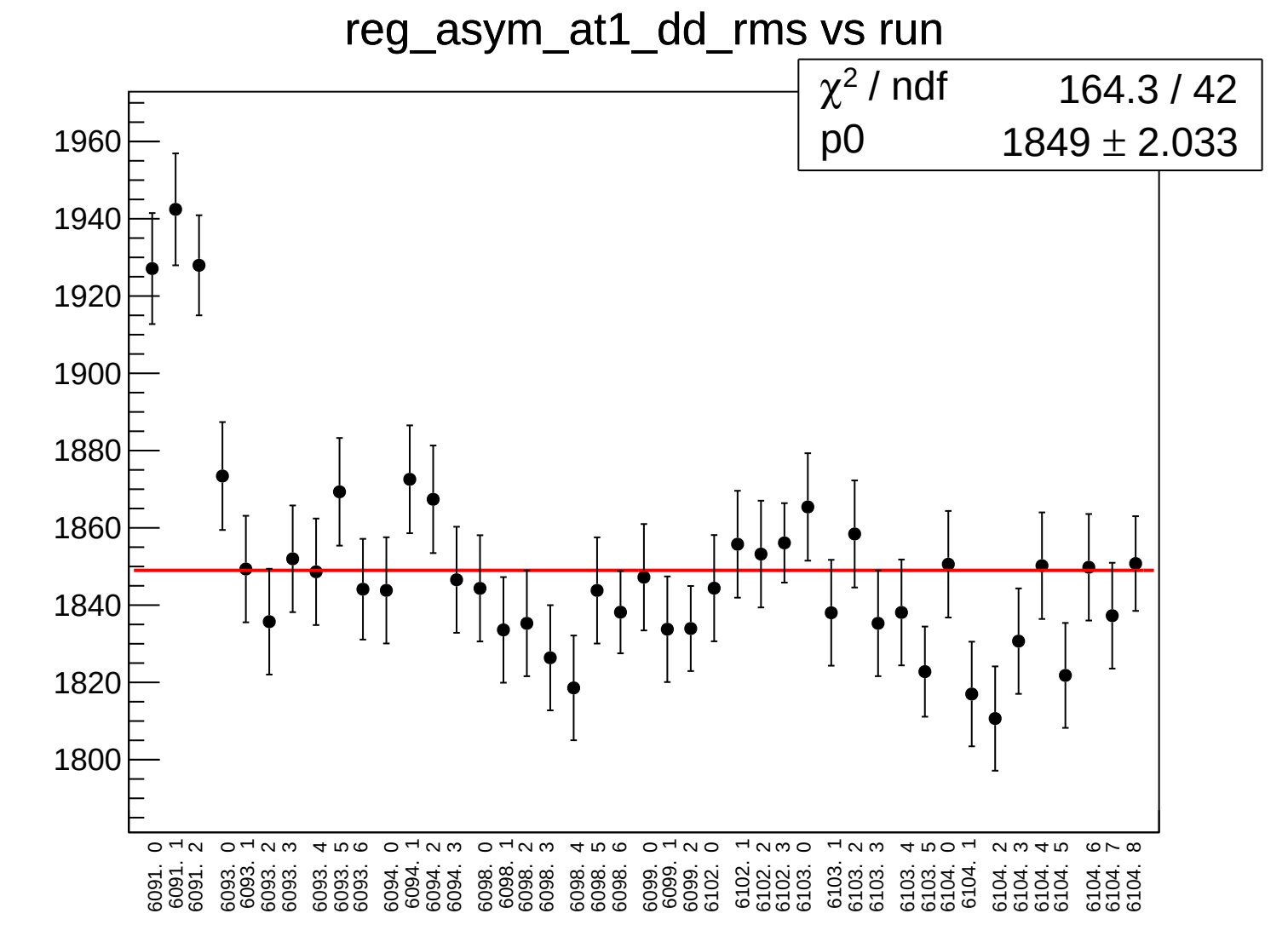

asym_at1_avg_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 51.47 / 42
p0 −3.134e−14 ± 4.204e−14
pull
Entries 43
Mean 22.14
Std Dev 17.69

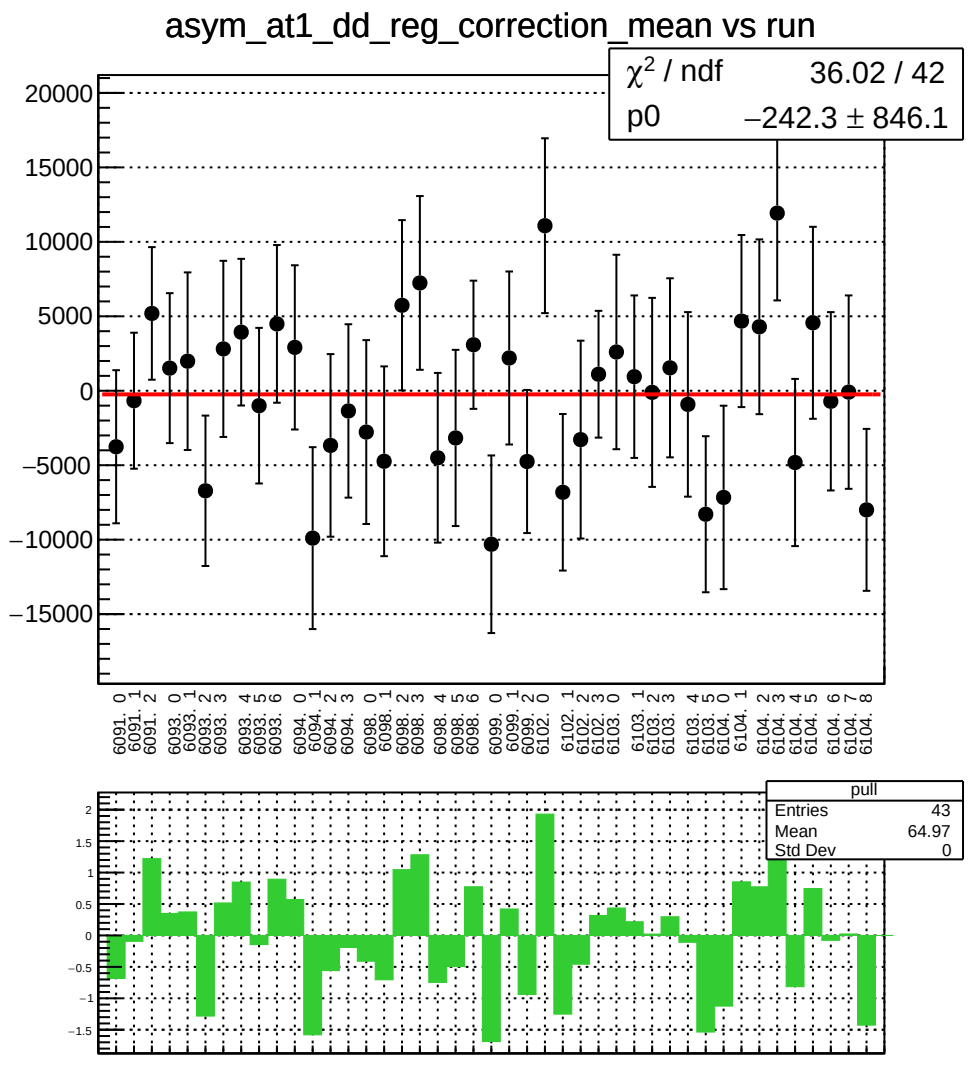

pull1D
Entries 43
Mean −0.1539
Std Dev 1.083

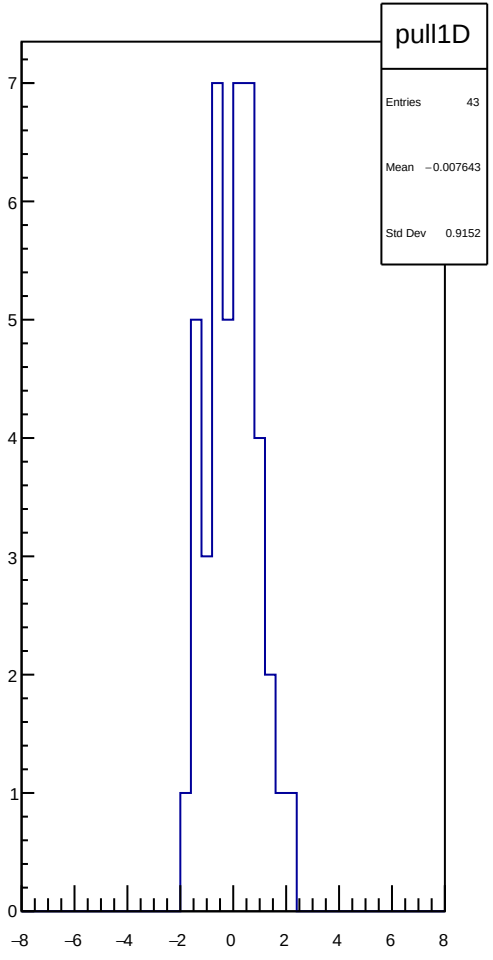

asym_at1_avg_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 2.728e+05 / 42
p0 2.214e−11 ± 2.973e−14
0.18
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

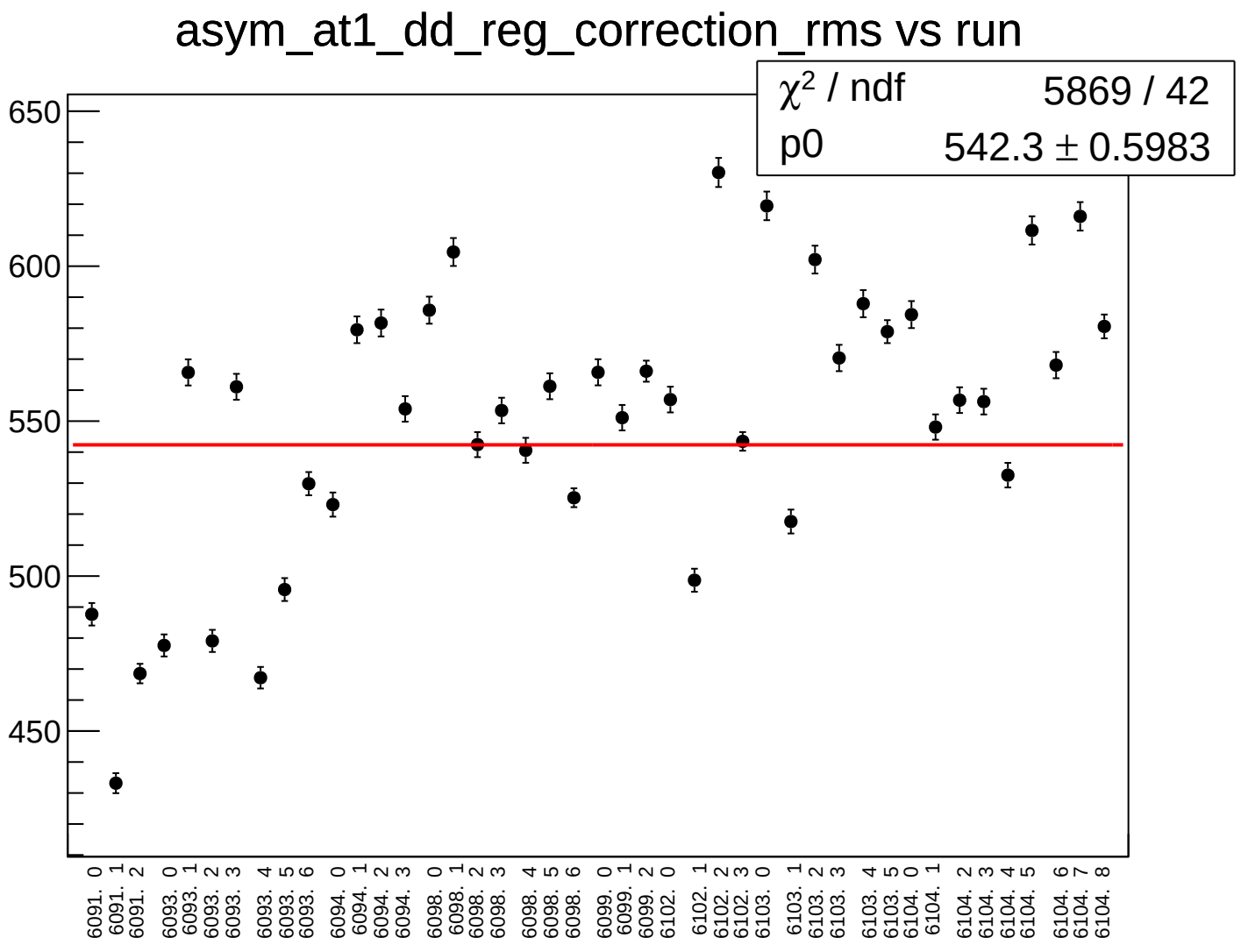

reg_asym_at1_dd_mean vs run
χ² / ndf 40.3 / 42
p0 3153 ± 2875
60000
40000
20000
0
−20000
−40000
−60000
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean −176.4
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

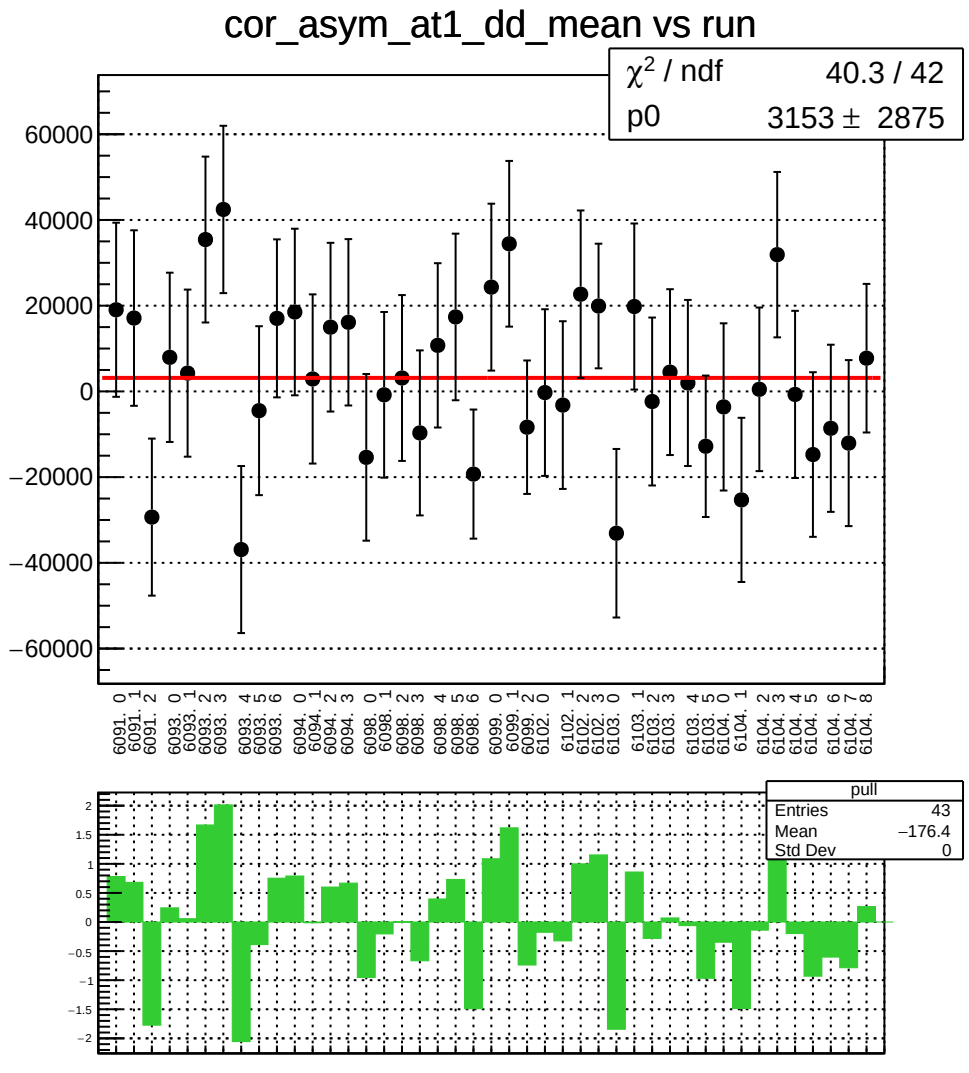

pull1D
Entries 43
Mean 0.01163
Std Dev 0.968
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

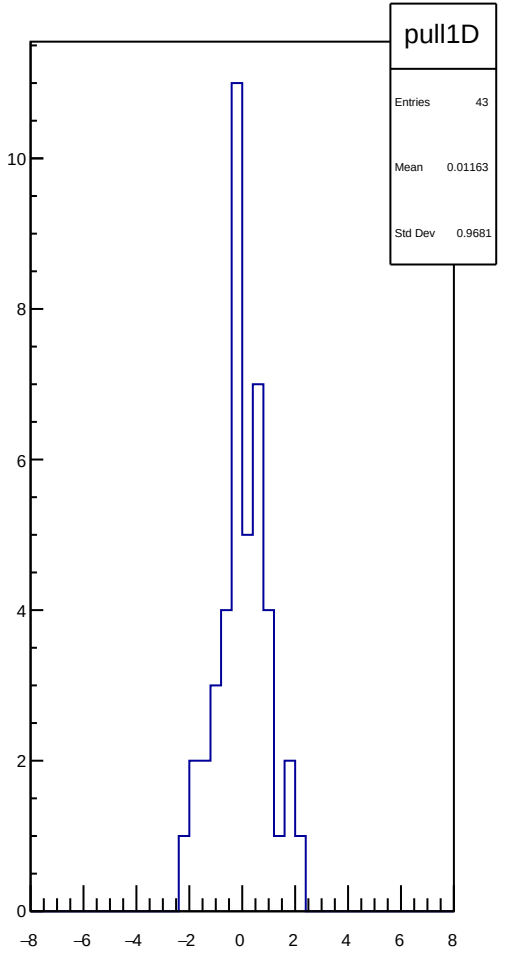

reg_asym_at1_dd_rms vs run
χ² / ndf 164.3 / 42
p0 1849 ± 2.033
1960
1940
1920
1900
1880
1860
1840
1820
1800
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

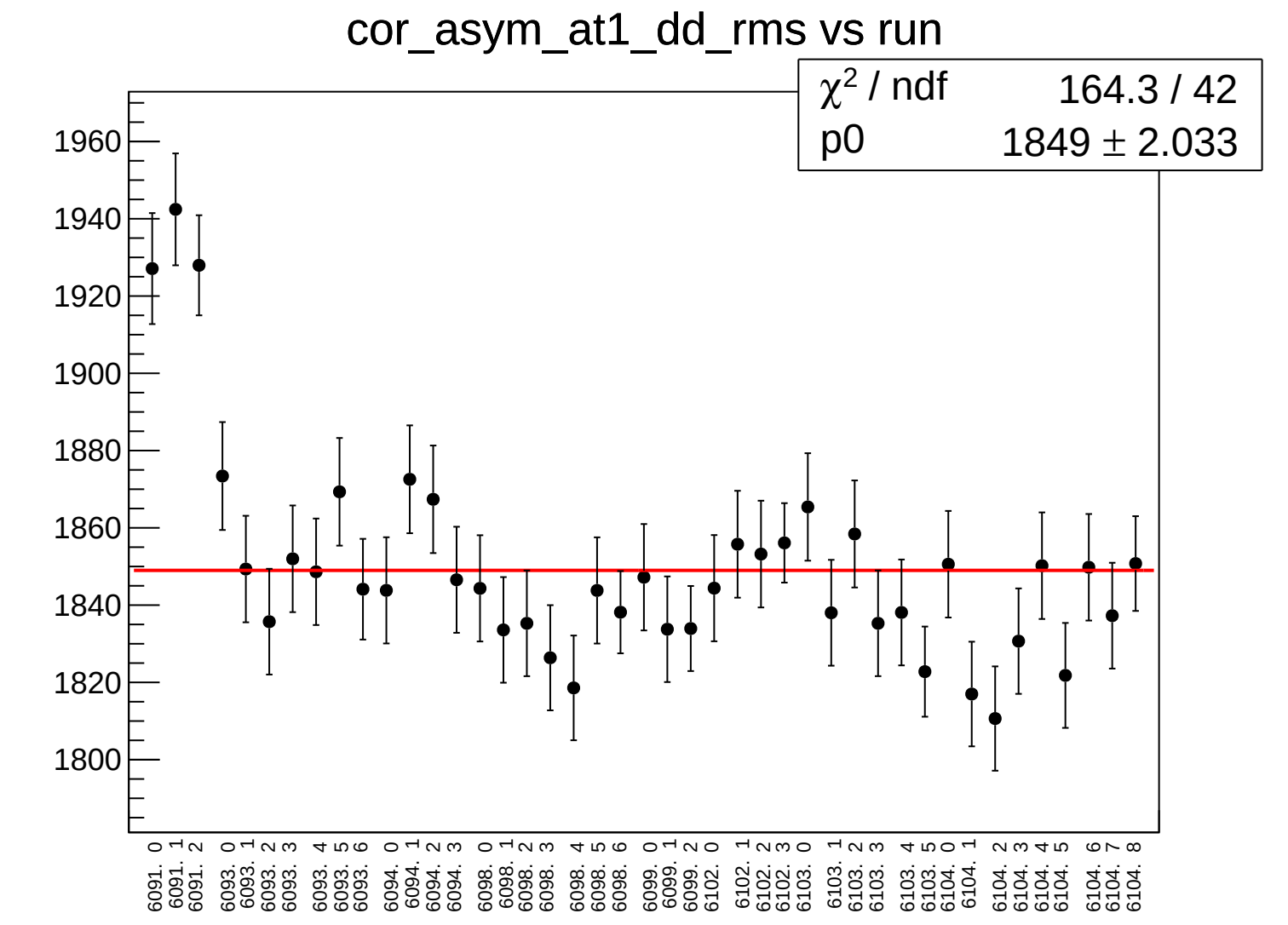

asym_at1_dd_reg_correction_mean vs run
χ² / ndf 36.02 / 42
p0 −242.3 ± 846.1
20000
15000
10000
5000
0
−5000
−10000
−15000
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 64.97
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5

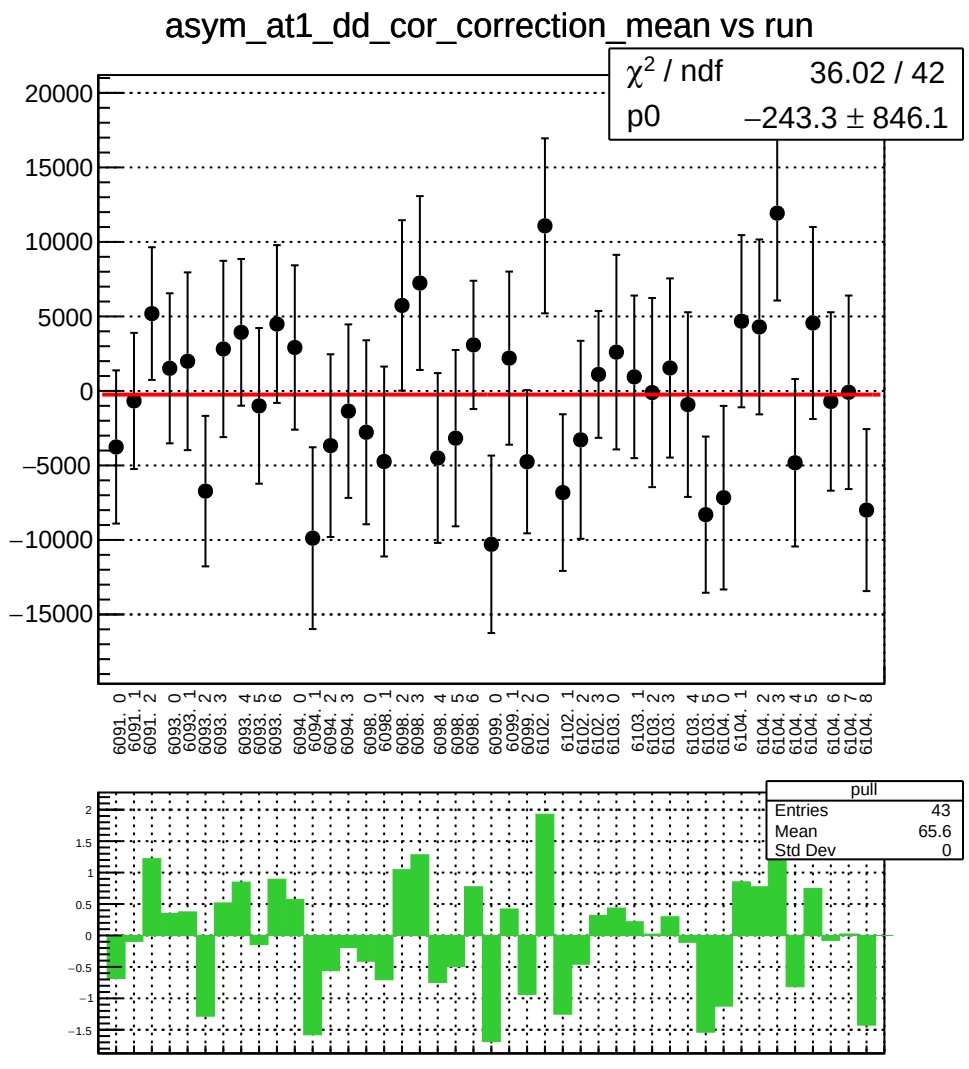

pull1D
Entries 43
Mean −0.007643
Std Dev 0.9152
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

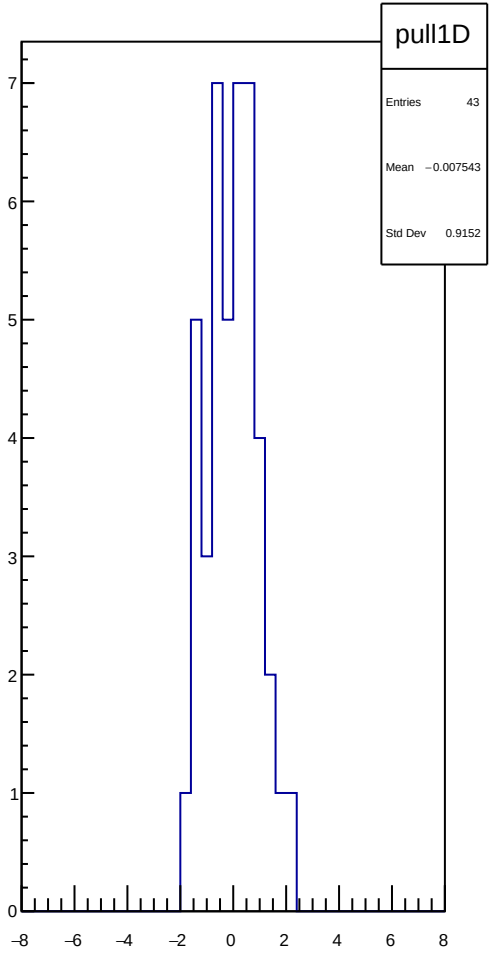

asym_at1_dd_reg_correction_rms vs run
χ² / ndf 5869 / 42
p0 542.3 ± 0.5983
650
600
550
500
450
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

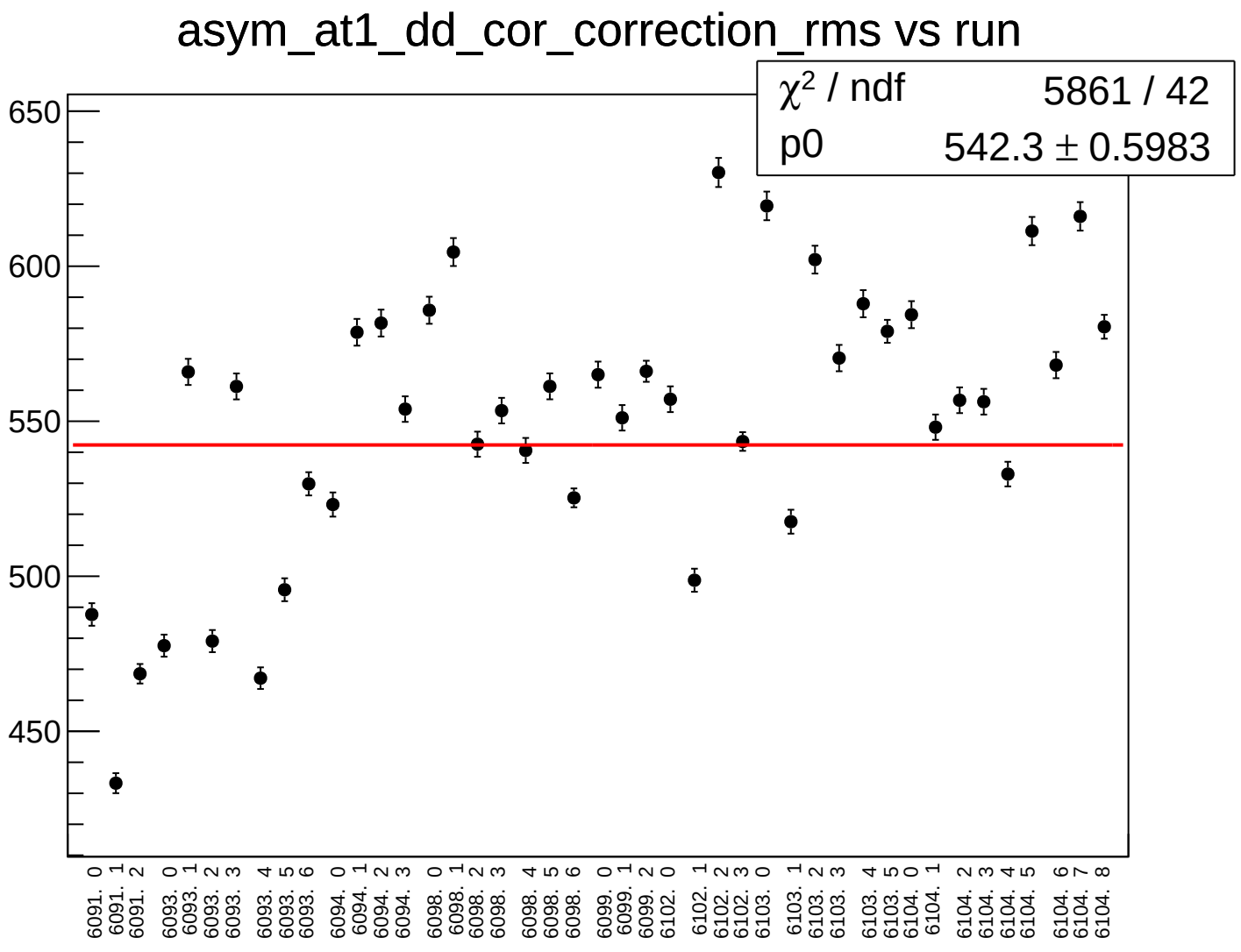

cor_asym_at1_dd_mean vs run
χ² / ndf 40.3 / 42
p0 3153 ± 2875
60000
40000
20000
0
−20000
−40000
−60000
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean −176.4
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

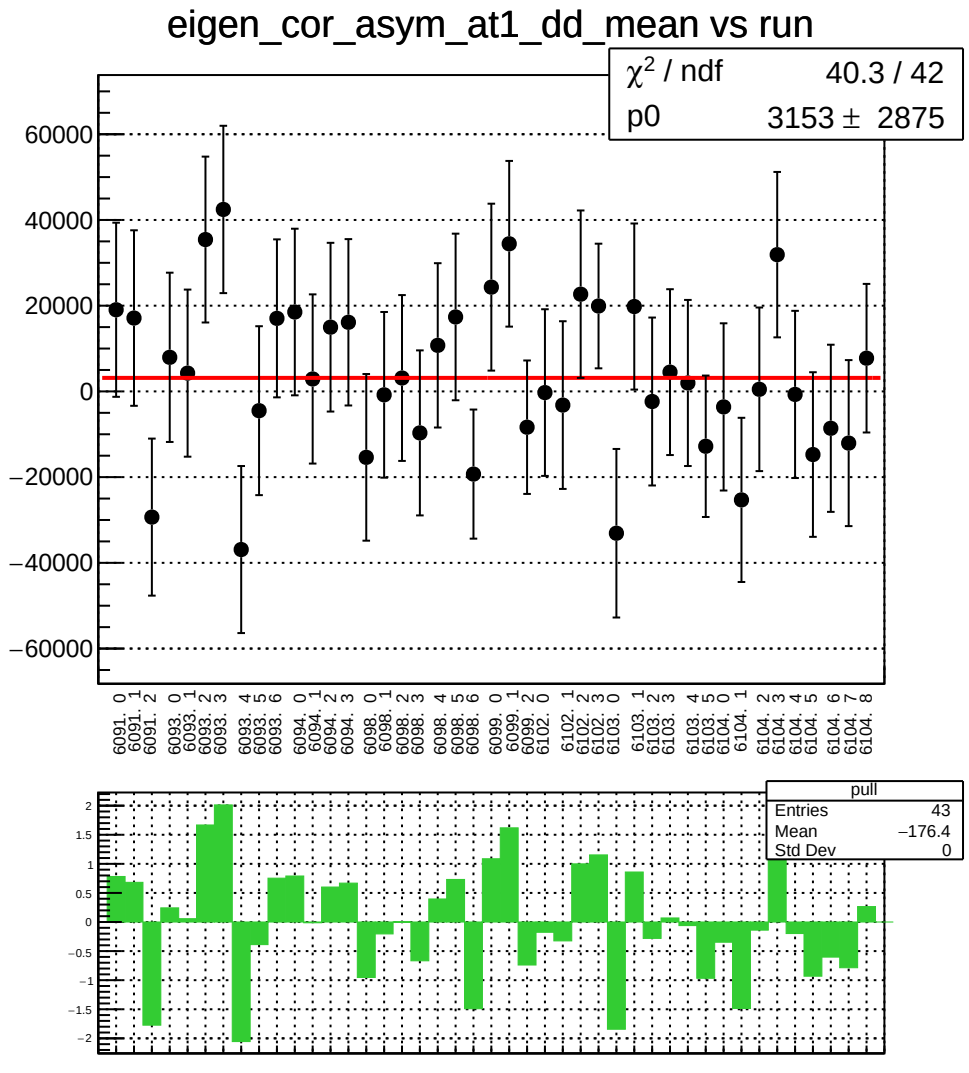

pull1D
Entries 43
Mean 0.01163
Std Dev 0.9681
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

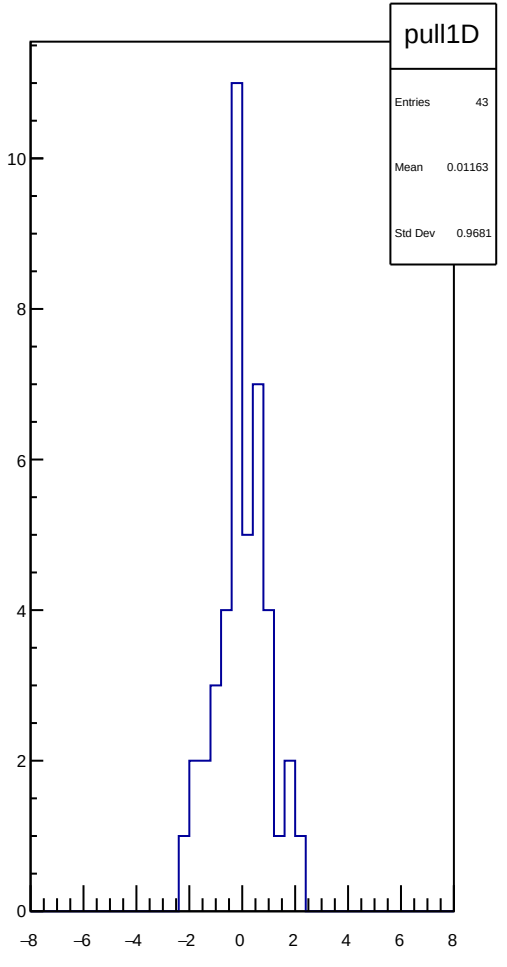

cor_asym_at1_dd_rms vs run
χ² / ndf 164.3 / 42
p0 1849 ± 2.033
1960
1940
1920
1900
1880
1860
1840
1820
1800
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

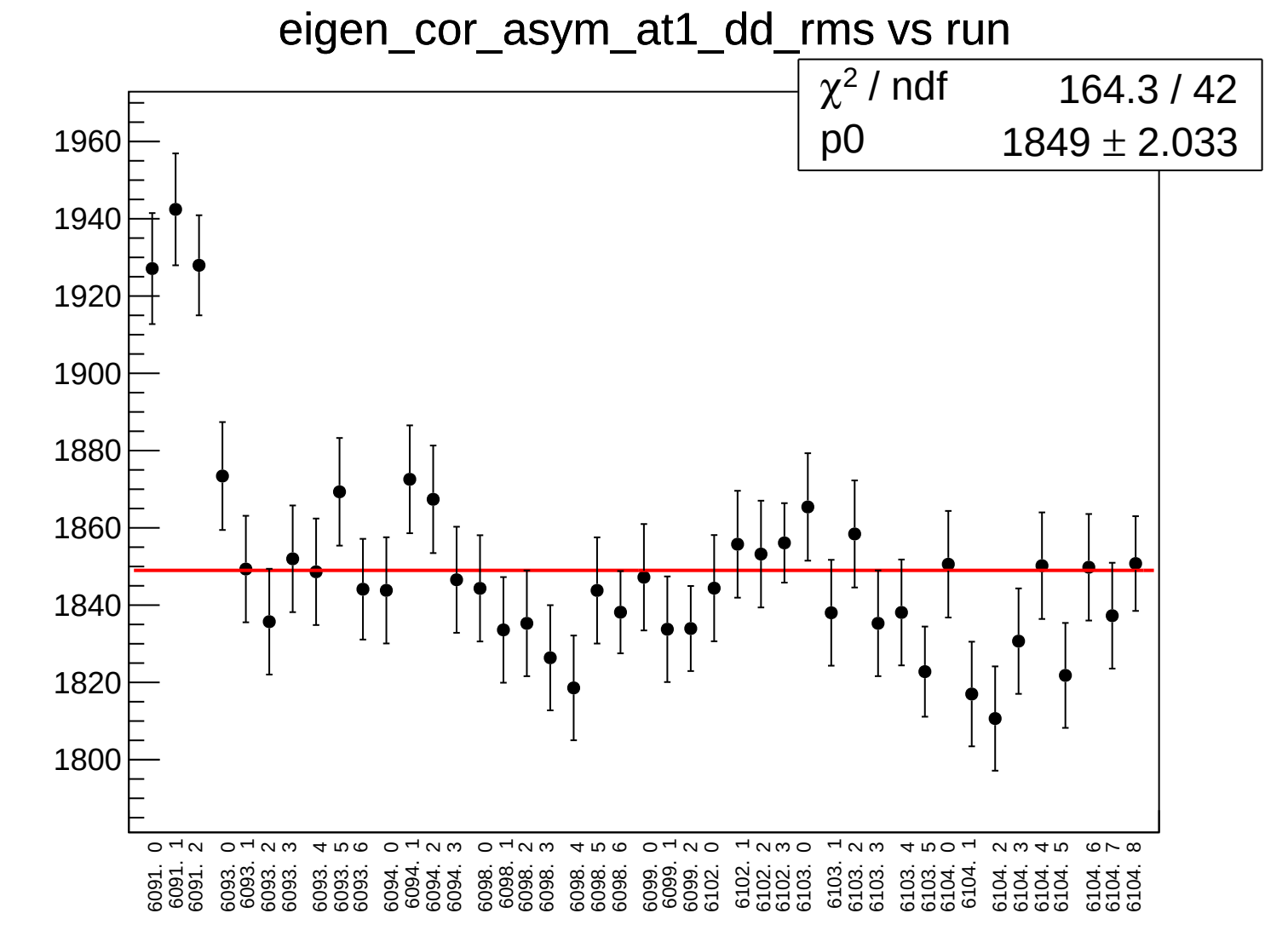

asym_at1_dd_cor_correction_mean vs run
χ² / ndf 36.02 / 42
p0 −243.3 ± 846.1
20000
15000
10000
5000
0
−5000
−10000
−15000
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 65.6
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5

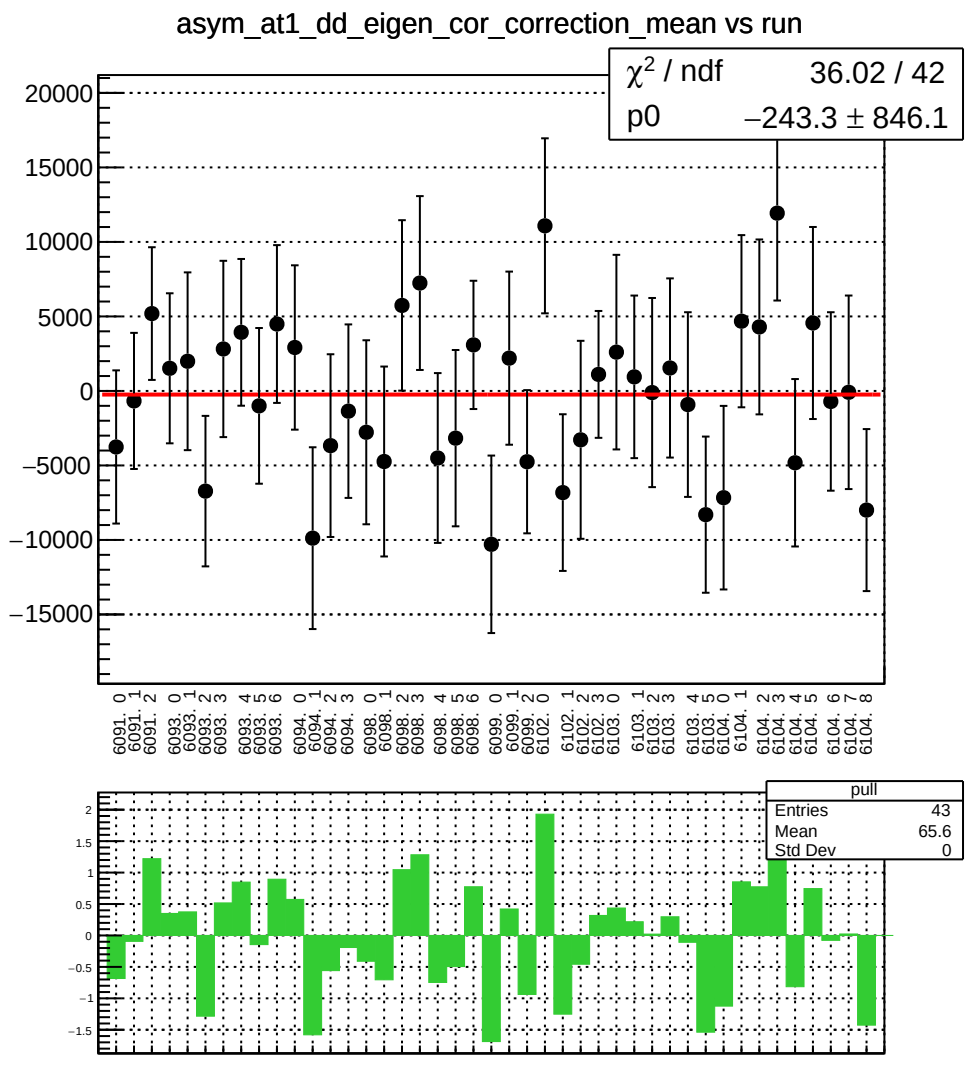

pull1D
Entries 43
Mean −0.007543
Std Dev 0.9152
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

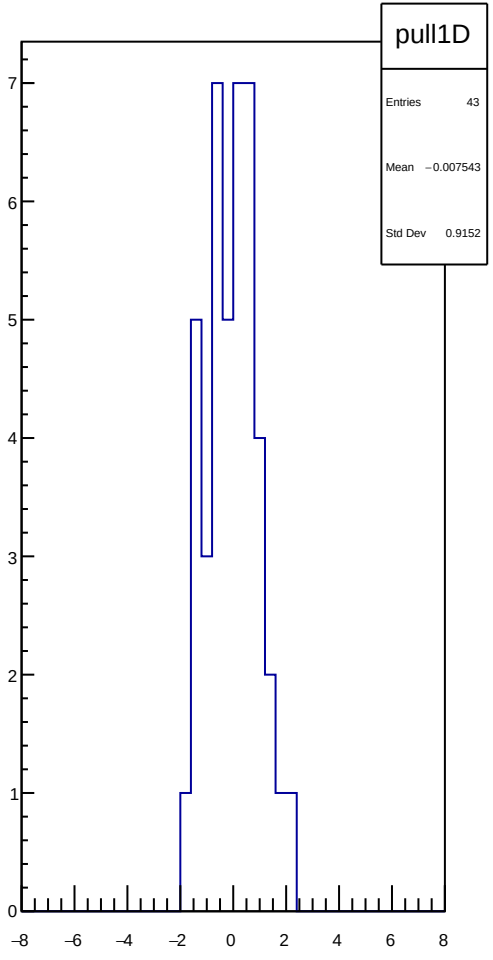

asym_at1_dd_cor_correction_rms vs run
χ² / ndf 5861 / 42
p0 542.3 ± 0.5983
650
600
550
500
450
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

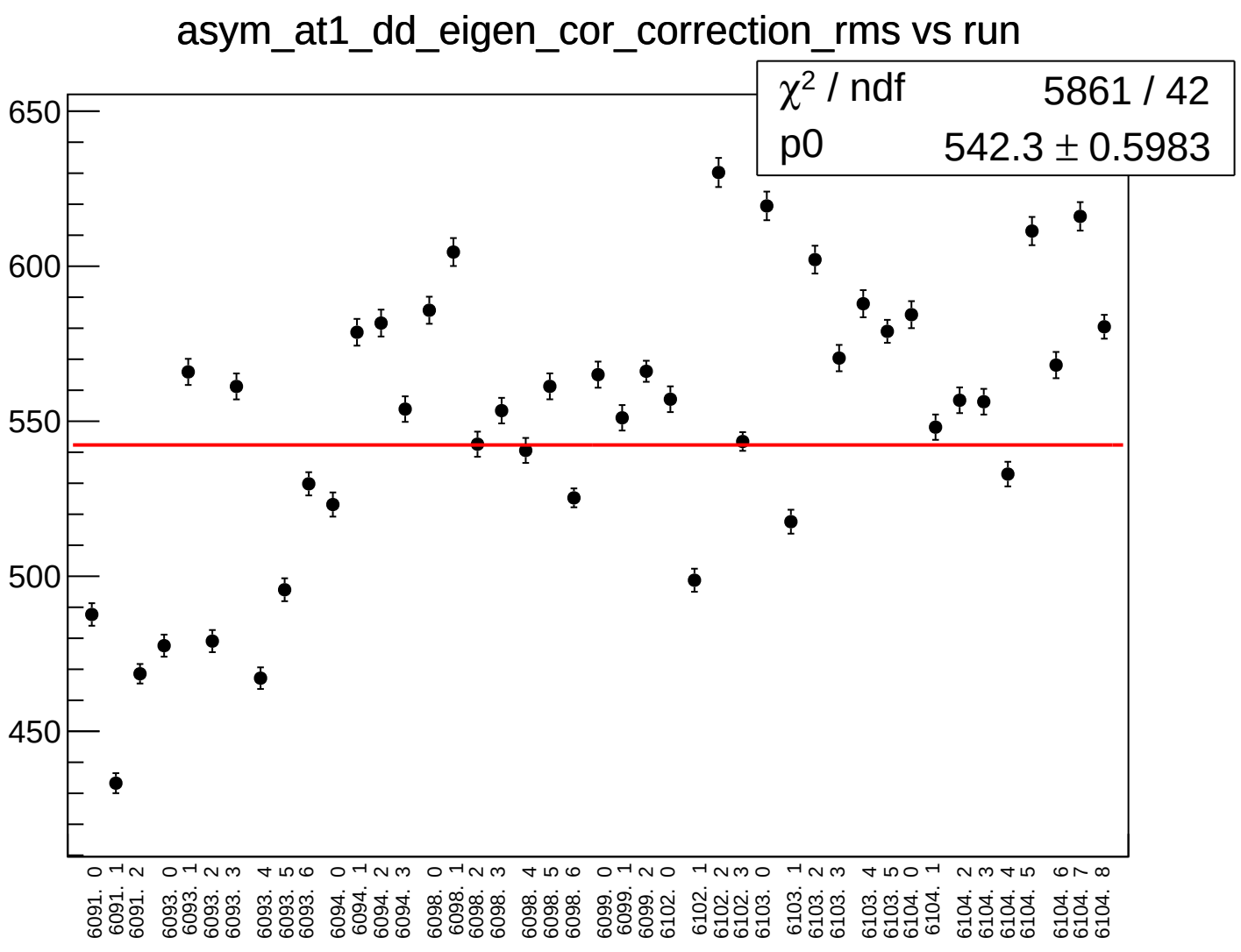

eigen_cor_asym_at1_dd_mean vs run
χ² / ndf 40.3 / 42
p0 3153 ± 2875
60000
40000
20000
0
−20000
−40000
−60000
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean −176.4
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

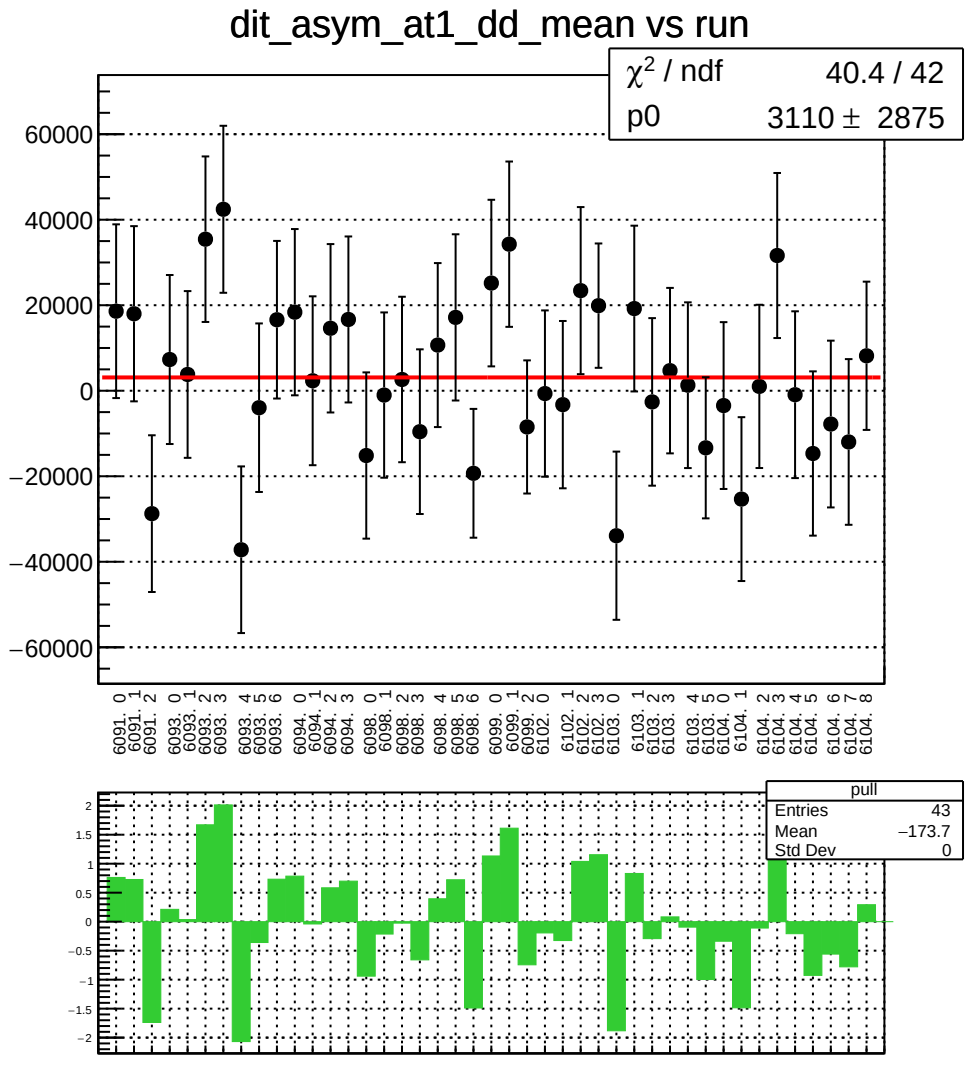

pull1D
Entries 43
Mean 0.01163
Std Dev 0.9681
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

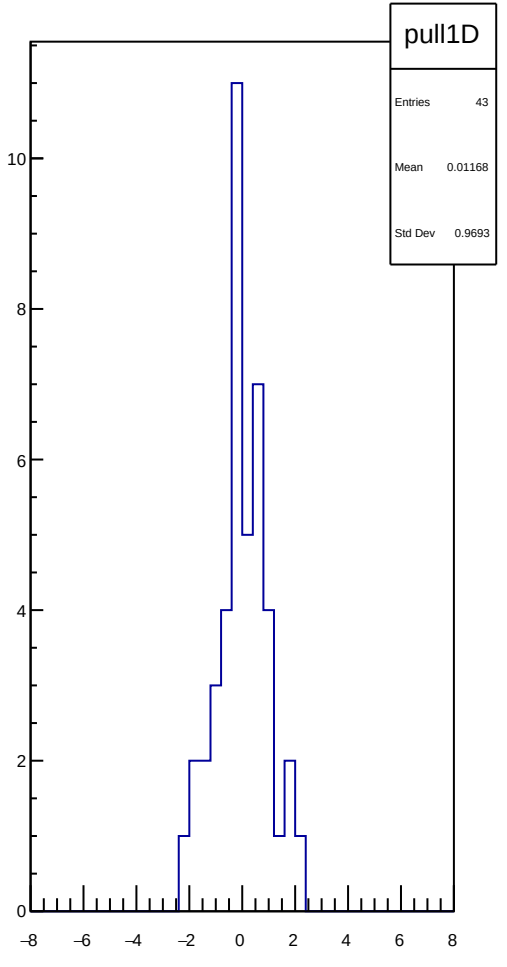

eigen_cor_asym_at1_dd_rms vs run
χ² / ndf 164.3 / 42
p0 1849 ± 2.033
1960
1940
1920
1900
1880
1860
1840
1820
1800
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

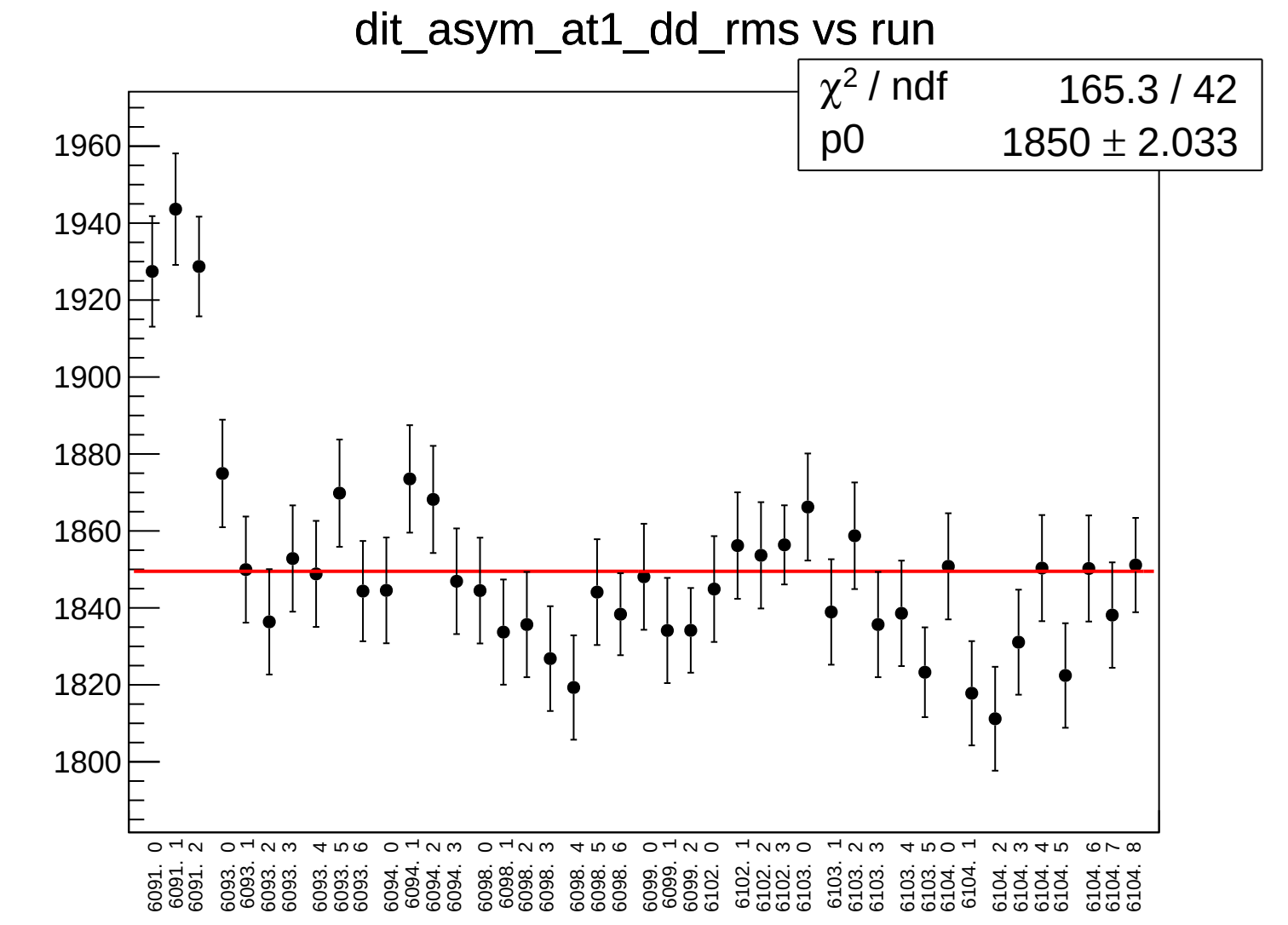

asym_at1_dd_eigen_cor_correction_mean vs run
χ² / ndf 36.02 / 42
p0 −243.3 ± 846.1
20000
15000
10000
5000
0
−5000
−10000
−15000
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 65.6
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5

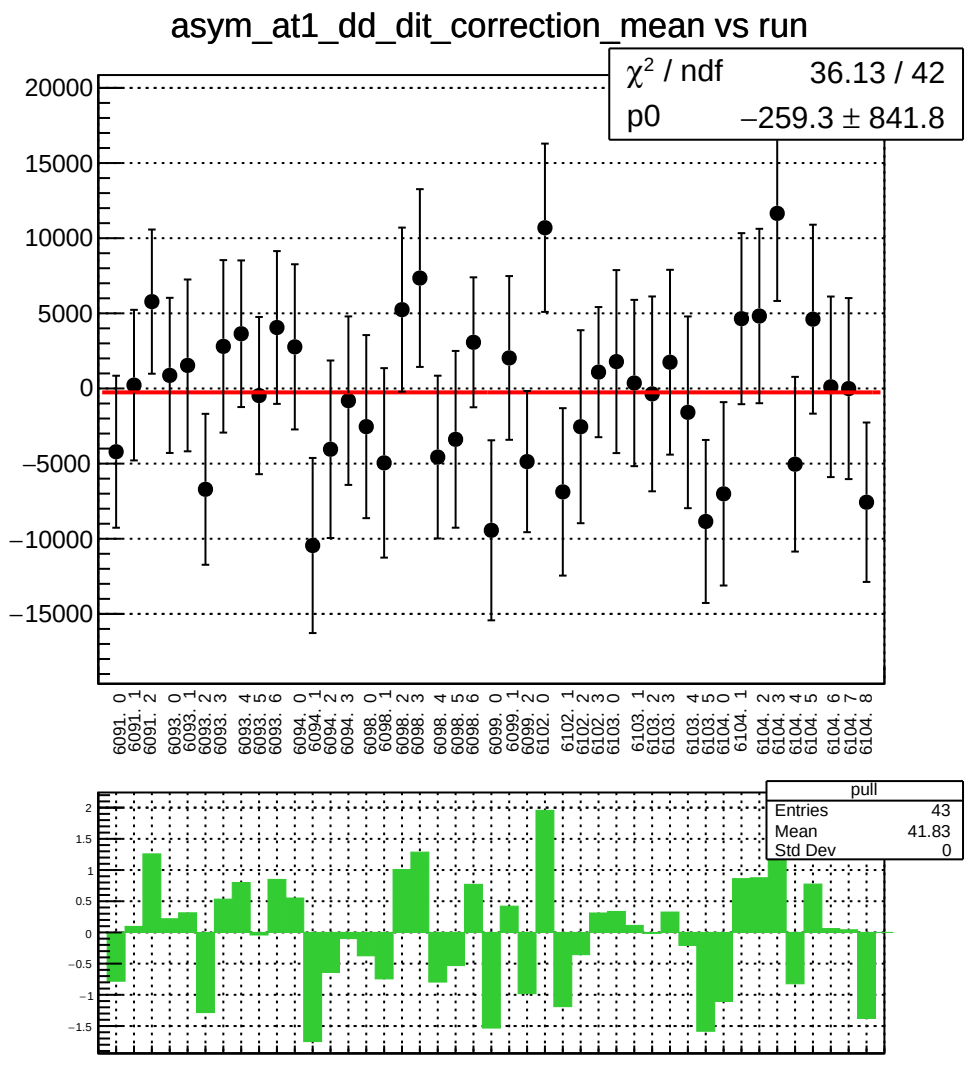

pull1D
Entries 43
Mean −0.007543
Std Dev 0.9152
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

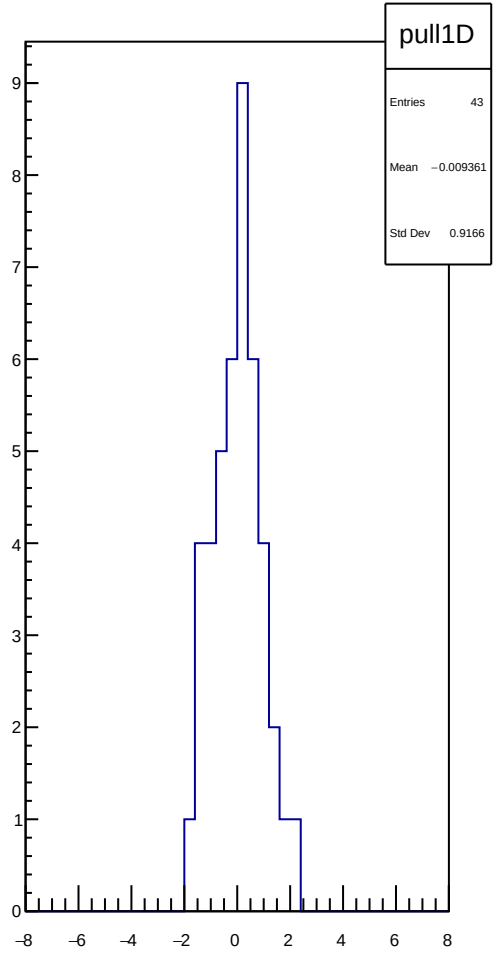

asym_at1_dd_eigen_cor_correction_rms vs run
χ² / ndf 5861 / 42
p0 542.3 ± 0.5983
650
600
550
500
450
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

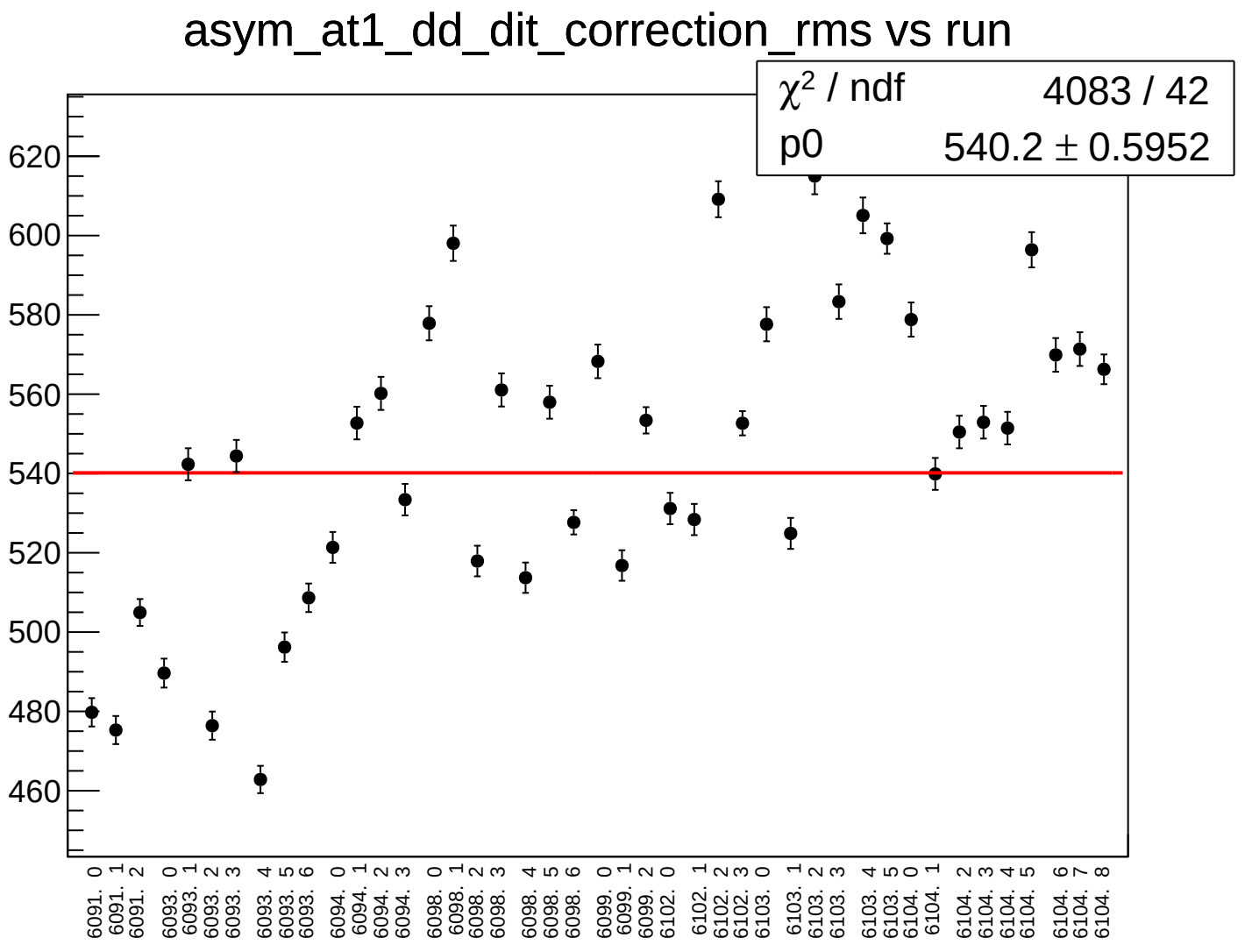

dit_asym_at1_dd_mean vs run
χ² / ndf 40.4 / 42
p0 3110 ± 2875
60000
40000
20000
0
−20000
−40000
−60000
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean −173.7
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

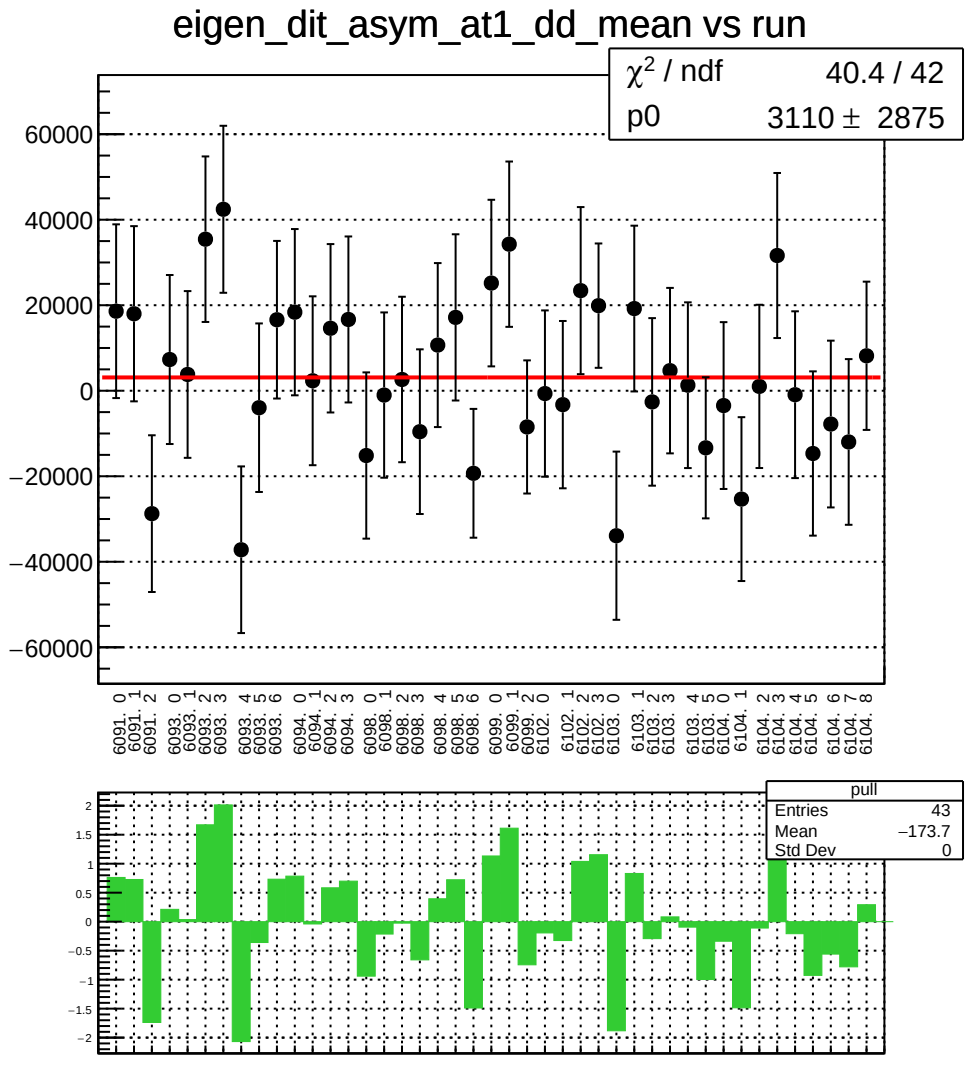

pull1D
Entries 43
Mean 0.01168
Std Dev 0.9693
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

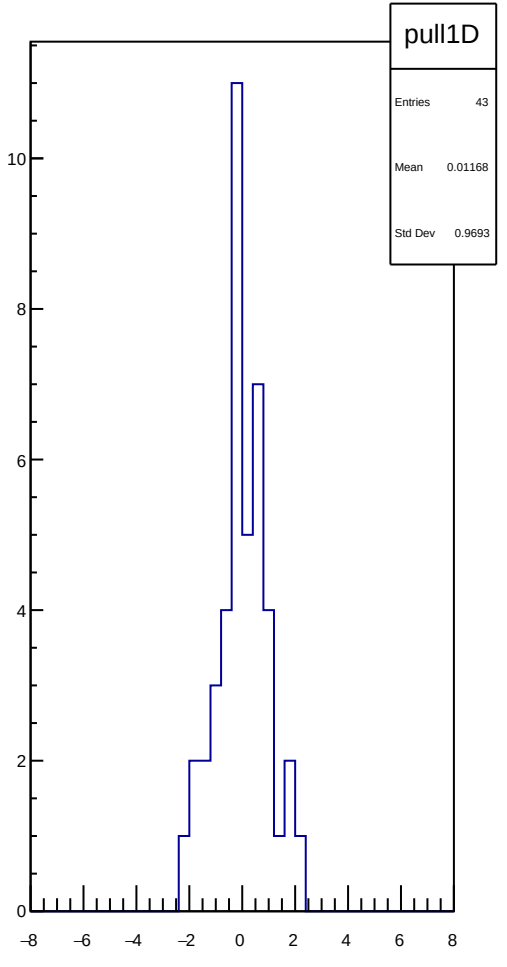

dit_asym_at1_dd_rms vs run
χ² / ndf 165.3 / 42
p0 1850 ± 2.033
1960
1940
1920
1900
1880
1860
1840
1820
1800
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

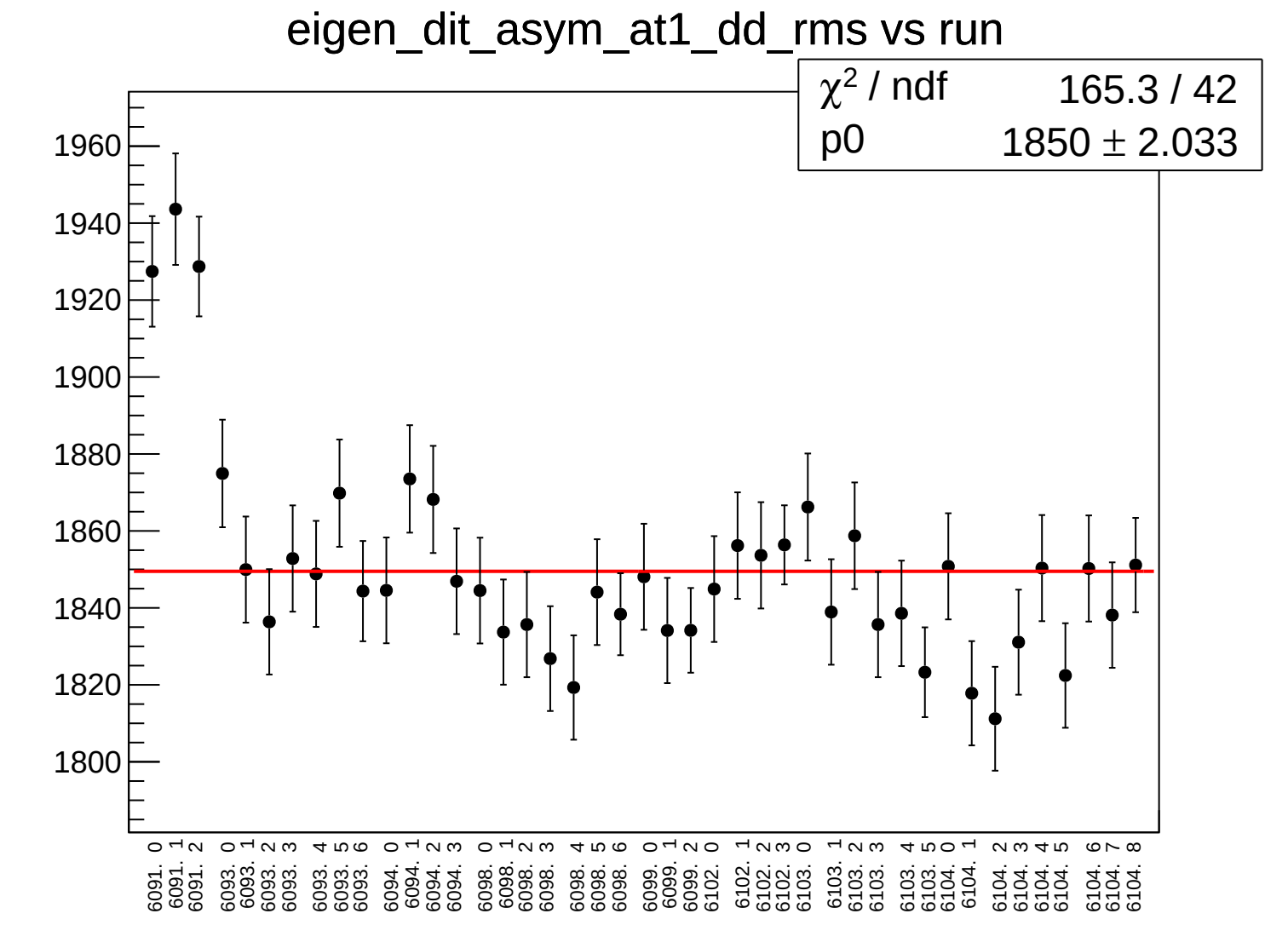

asym_at1_dd_dit_correction_mean vs run
χ² / ndf 36.13 / 42
p0 −259.3 ± 841.8
20000
15000
10000
5000
0
−5000
−10000
−15000
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 41.83
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5

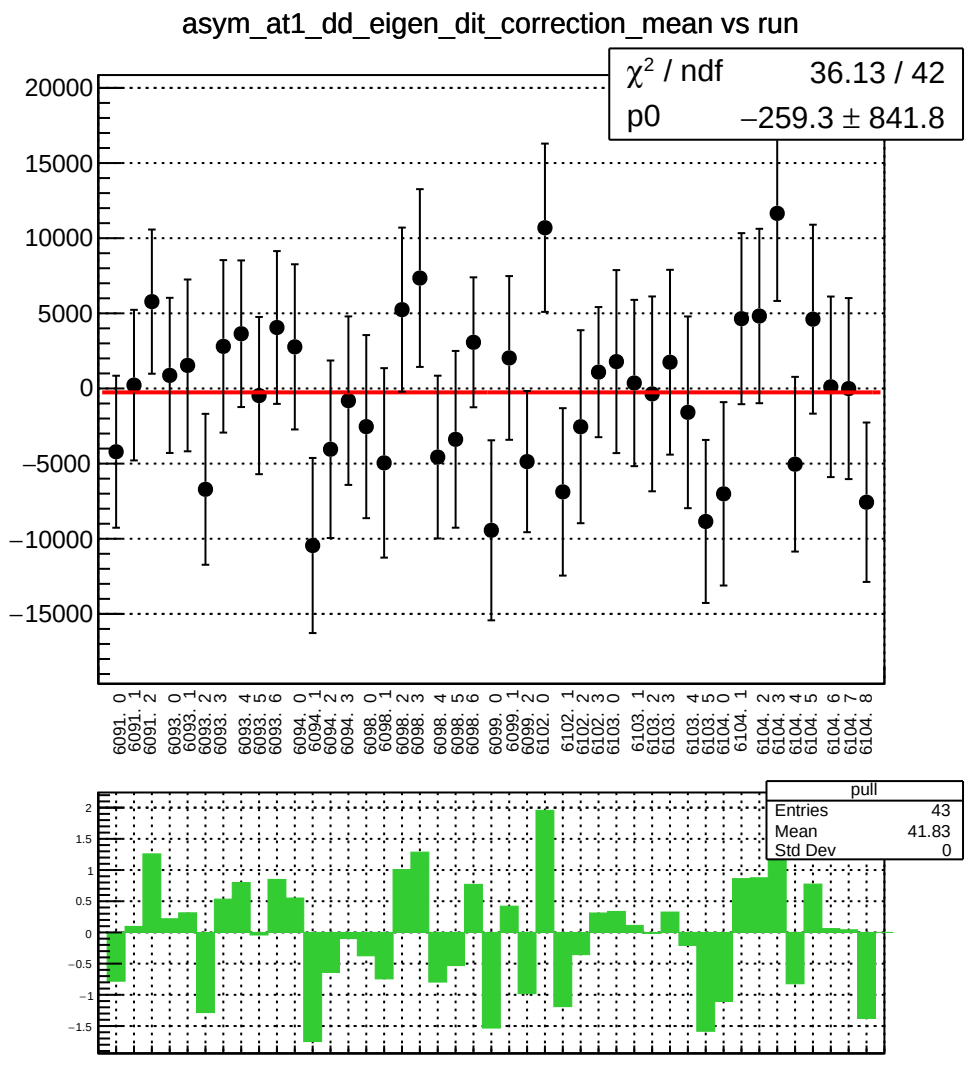

pull1D
Entries 43
Mean −0.009361
Std Dev 0.9166
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

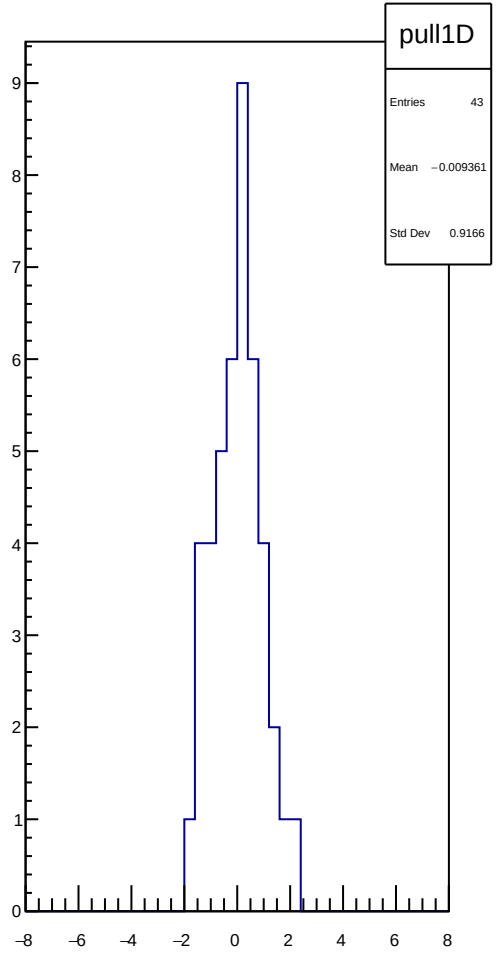

asym_at1_dd_dit_correction_rms vs run
χ² / ndf 4083 / 42
p0 540.2 ± 0.5952
620
600
580
560
540
520
500
480
460
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

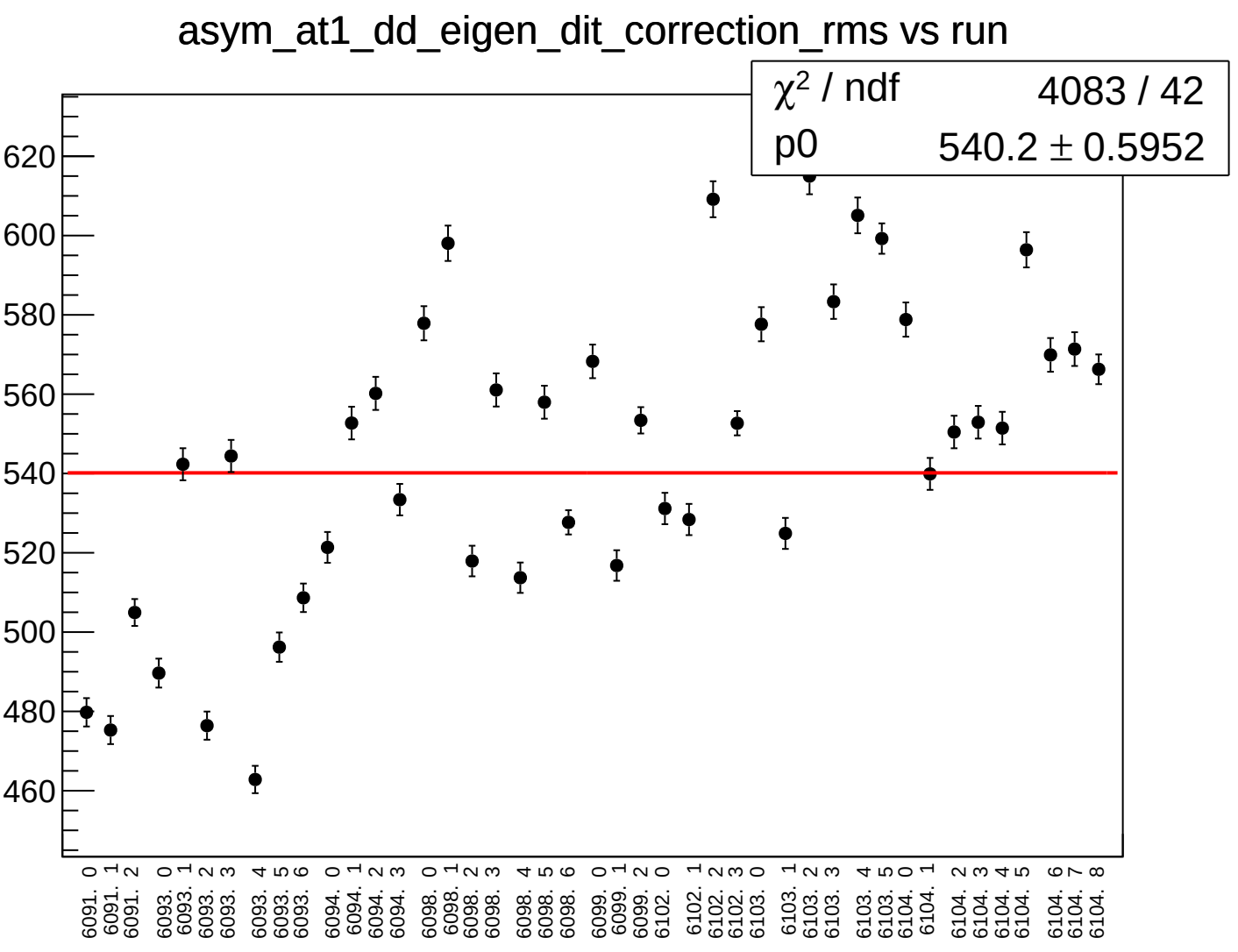

eigen_dit_asym_at1_dd_mean vs run
χ² / ndf 40.4 / 42
p0 3110 ± 2875
60000
40000
20000
0
−20000
−40000
−60000
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean −173.7
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

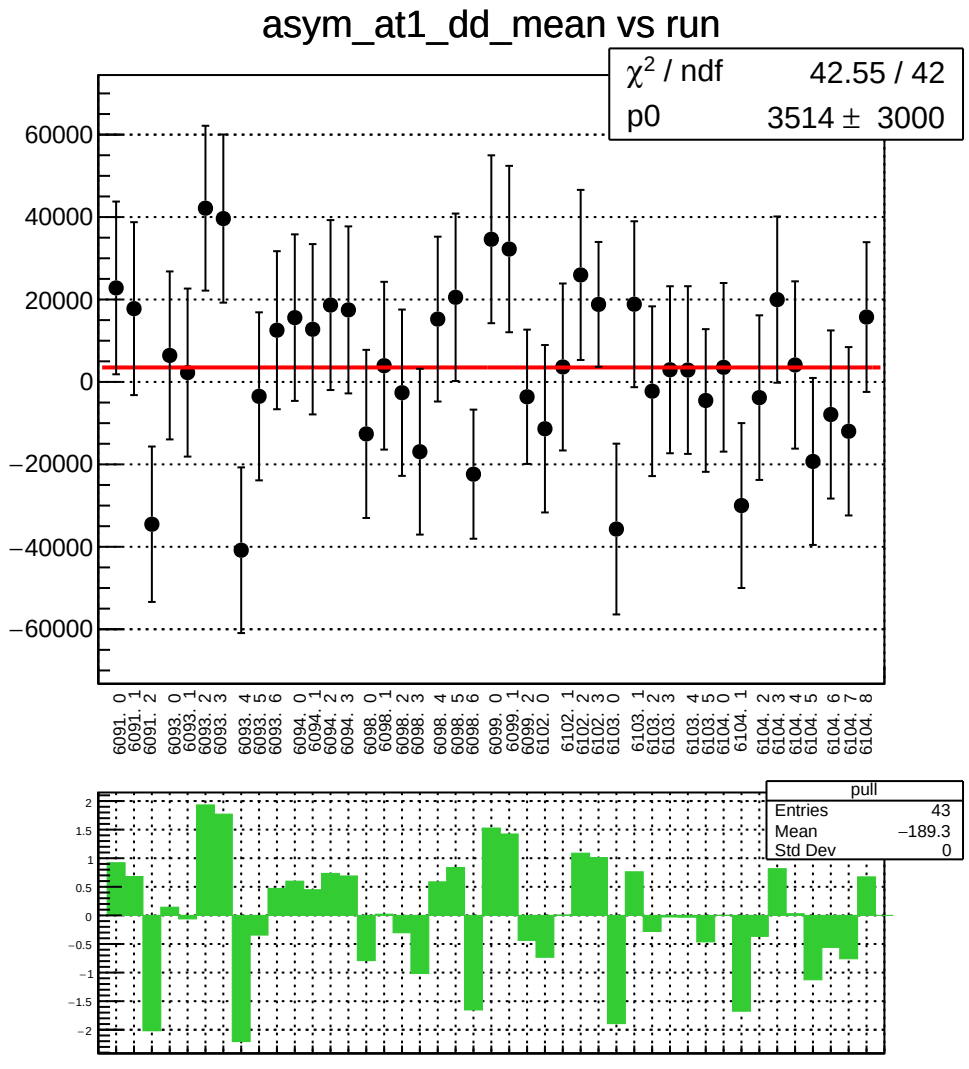

pull1D
Entries 43
Mean 0.01168
Std Dev 0.9693
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

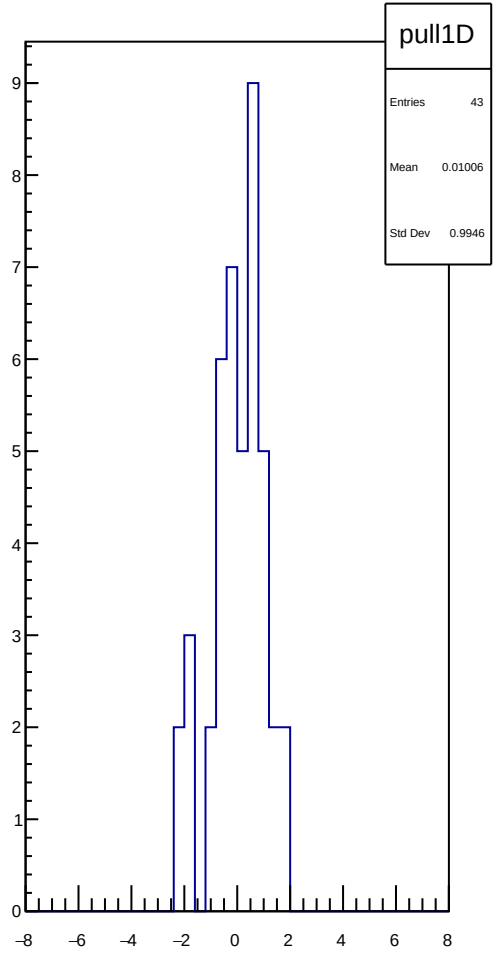

eigen_dit_asym_at1_dd_rms vs run
χ² / ndf 165.3 / 42
p0 1850 ± 2.033
1960
1940
1920
1900
1880
1860
1840
1820
1800
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

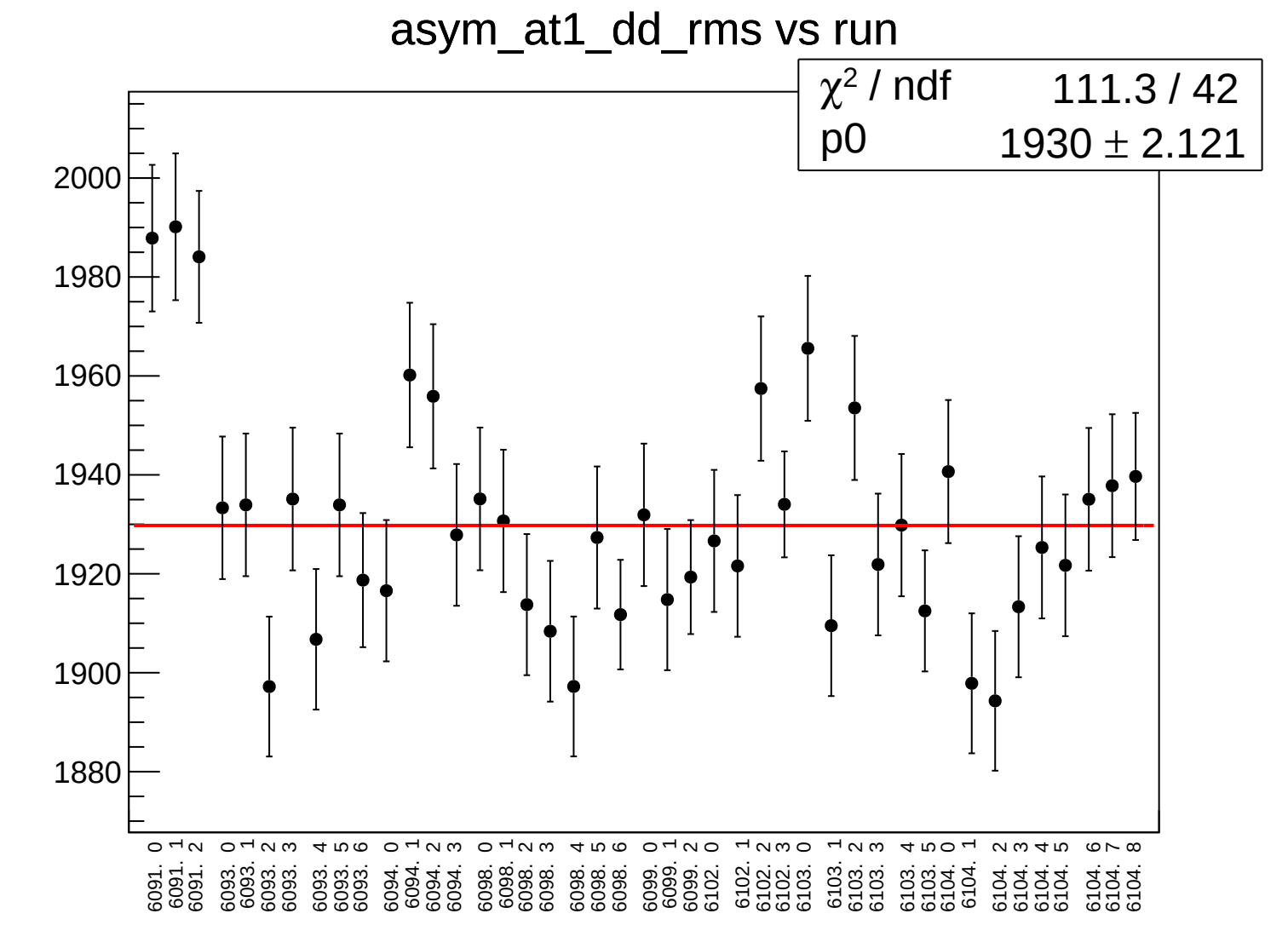

asym_at1_dd_eigen_dit_correction_mean vs run
χ² / ndf 36.13 / 42
p0 −259.3 ± 841.8
20000
15000
10000
5000
0
−5000
−10000
−15000
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 41.83
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5

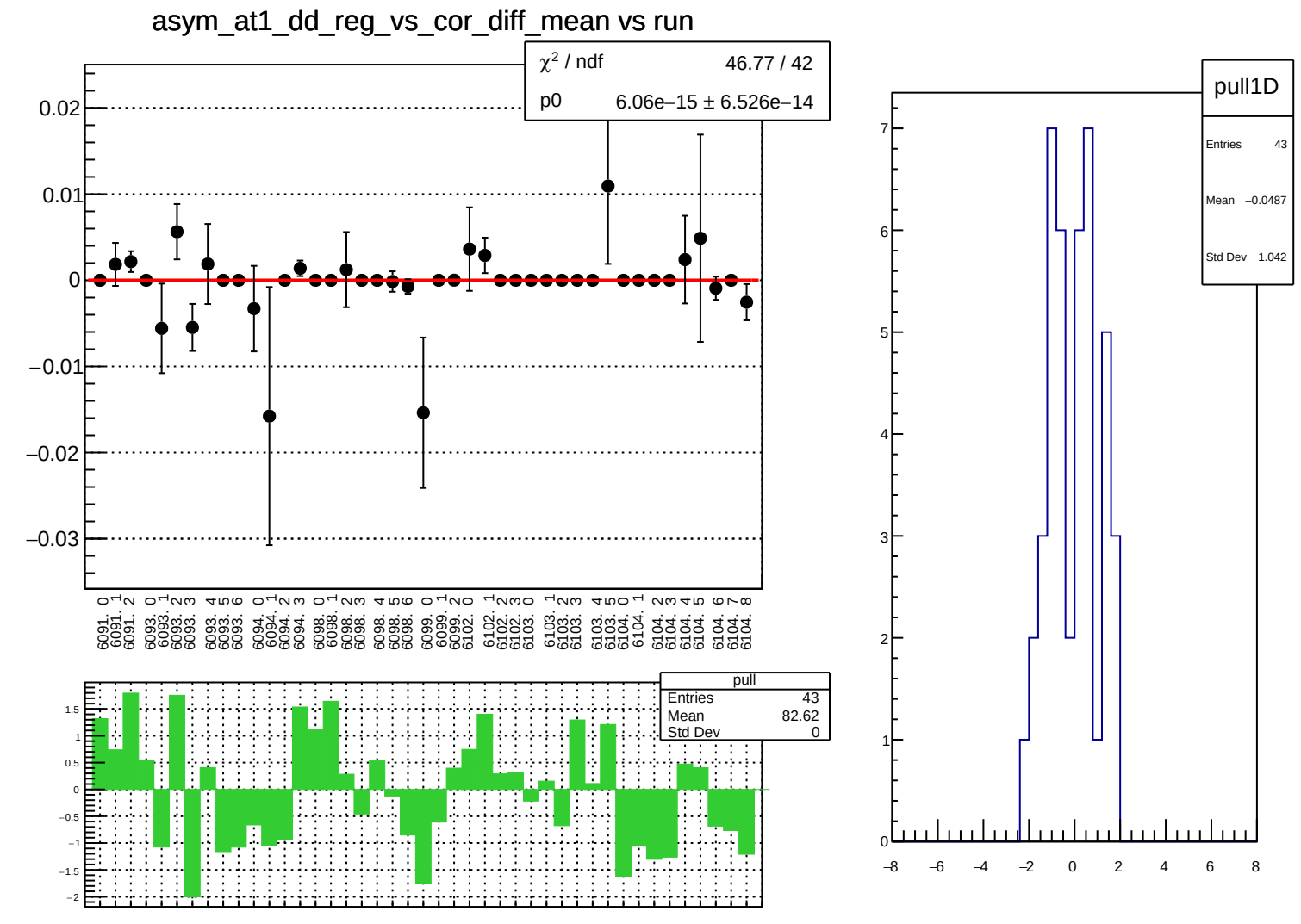

pull1D
Entries 43
Mean −0.009361
Std Dev 0.9166
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

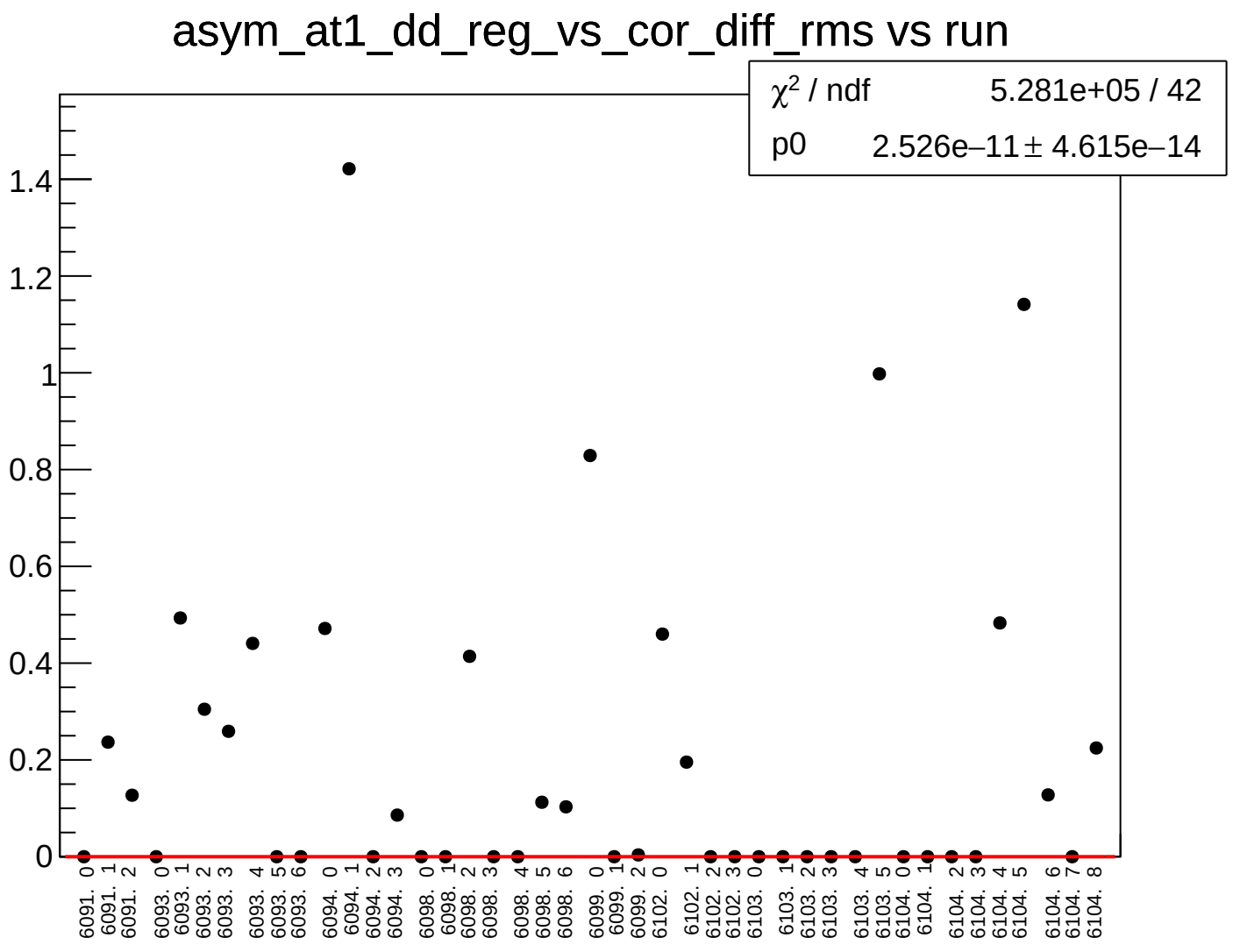

asym_at1_dd_eigen_dit_correction_rms vs run
χ² / ndf 4083 / 42
p0 540.2 ± 0.5952
620
600
580
560
540
520
500
480
460
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

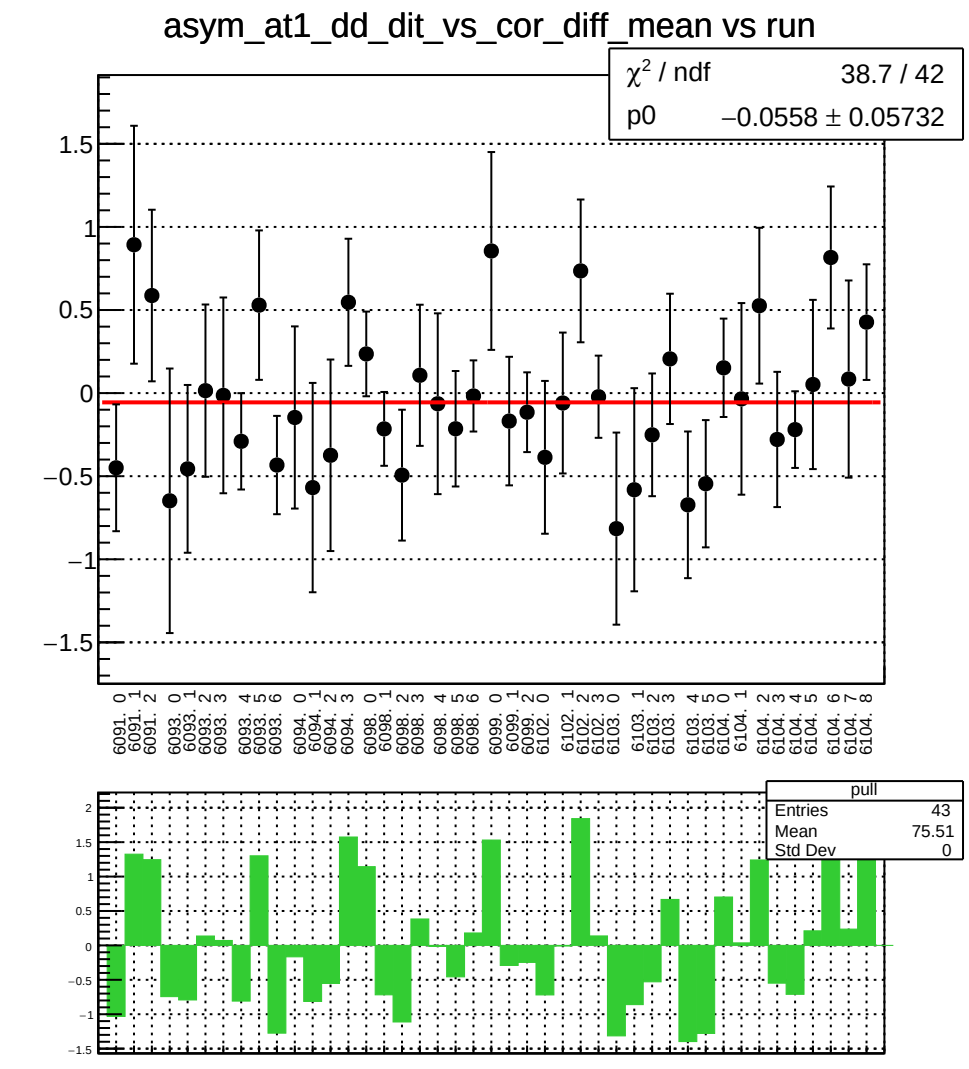

asym_at1_dd_mean vs run
χ² / ndf 42.55 / 42
p0 3514 ± 3000
60000
40000
20000
0
−20000
−40000
−60000
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean −189.3
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

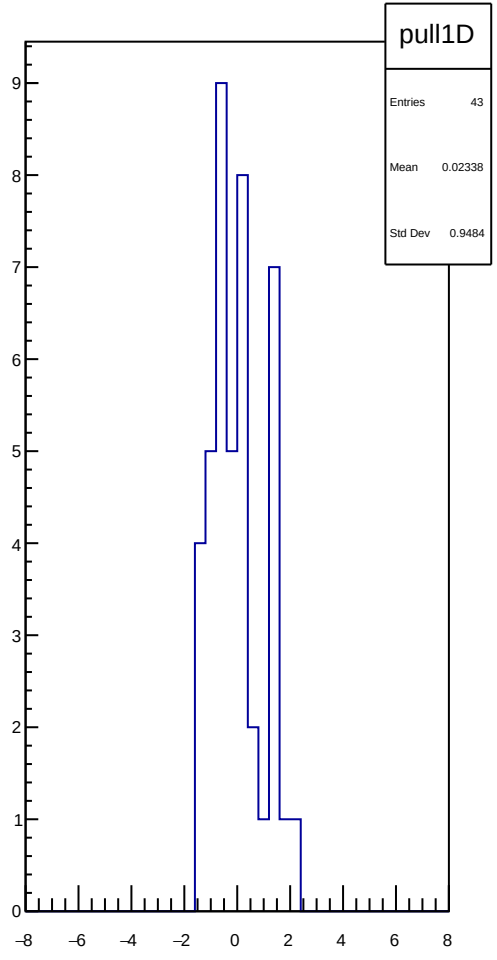

pull1D
Entries 43
Mean 0.01006
Std Dev 0.9946
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

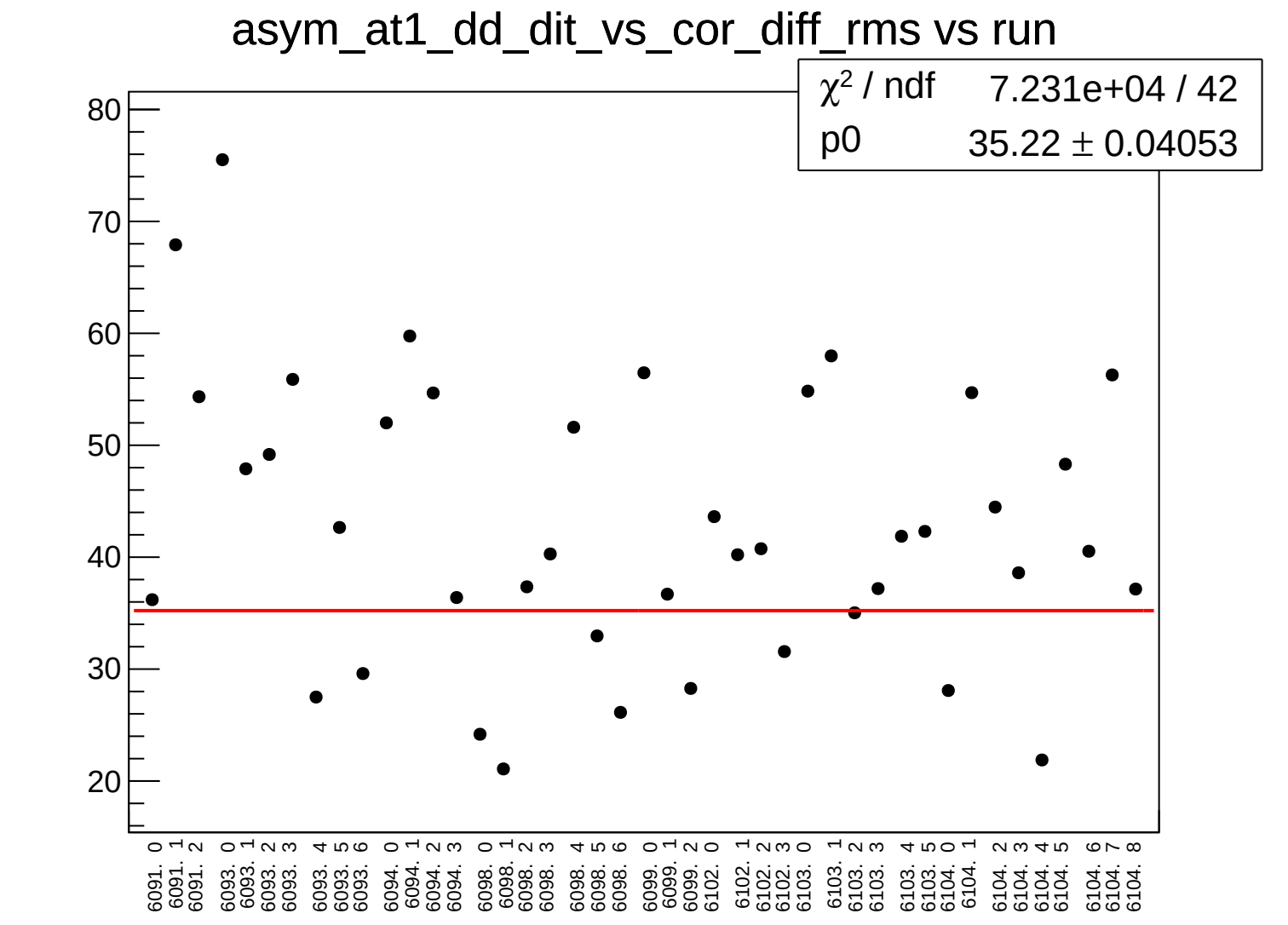

asym_at1_dd_rms vs run
χ² / ndf 111.3 / 42
p0 1930 ± 2.121
2000
1980
1960
1940
1920
1900
1880
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

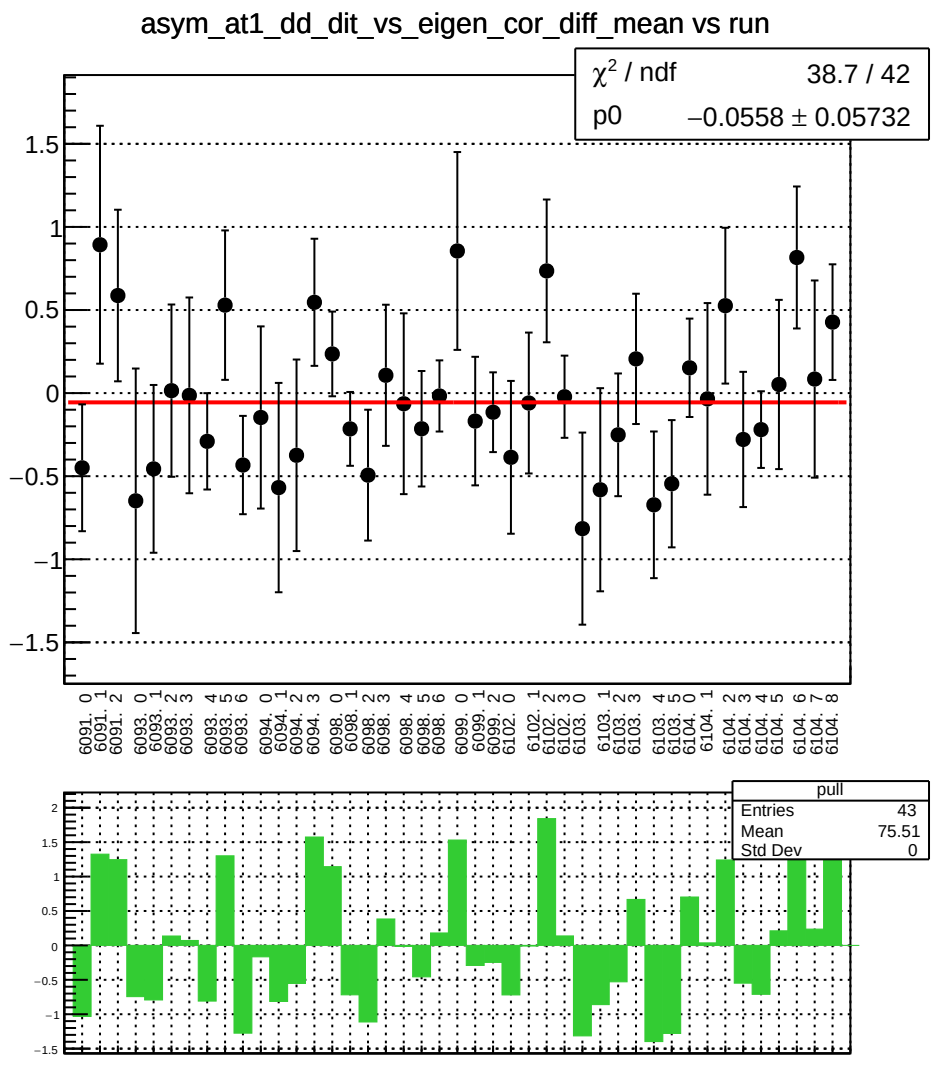

asym_at1_dd_reg_vs_cor_diff_mean vs run
χ² / ndf 46.77 / 42
p0 6.06e−15 ± 6.526e−14
0.02
0.01
0
−0.01
−0.02
−0.03
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 82.62
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 43
Mean −0.0487
Std Dev 1.042
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

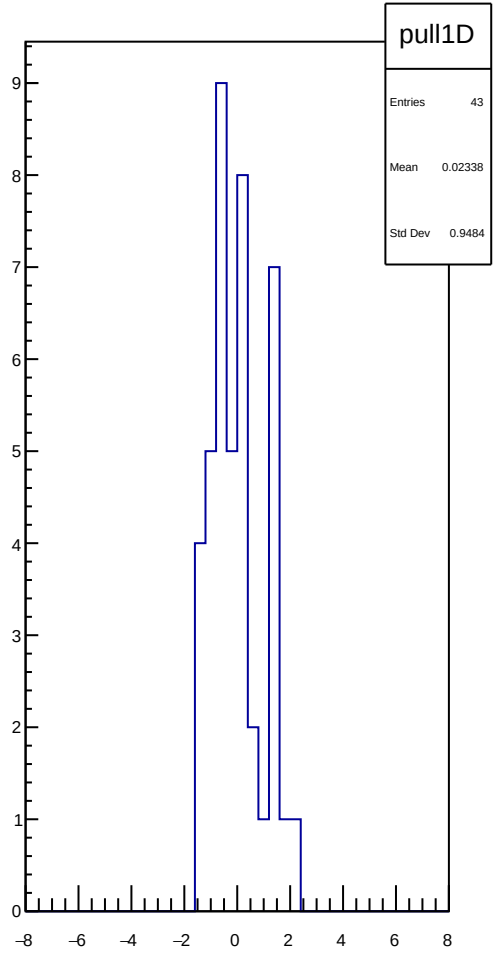

asym_at1_dd_reg_vs_cor_diff_rms vs run
χ² / ndf 5.281e+05 / 42
p0 2.526e−11 ± 4.615e−14
0
0.2
0.4
0.6
0.8
1
1.2
1.4
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

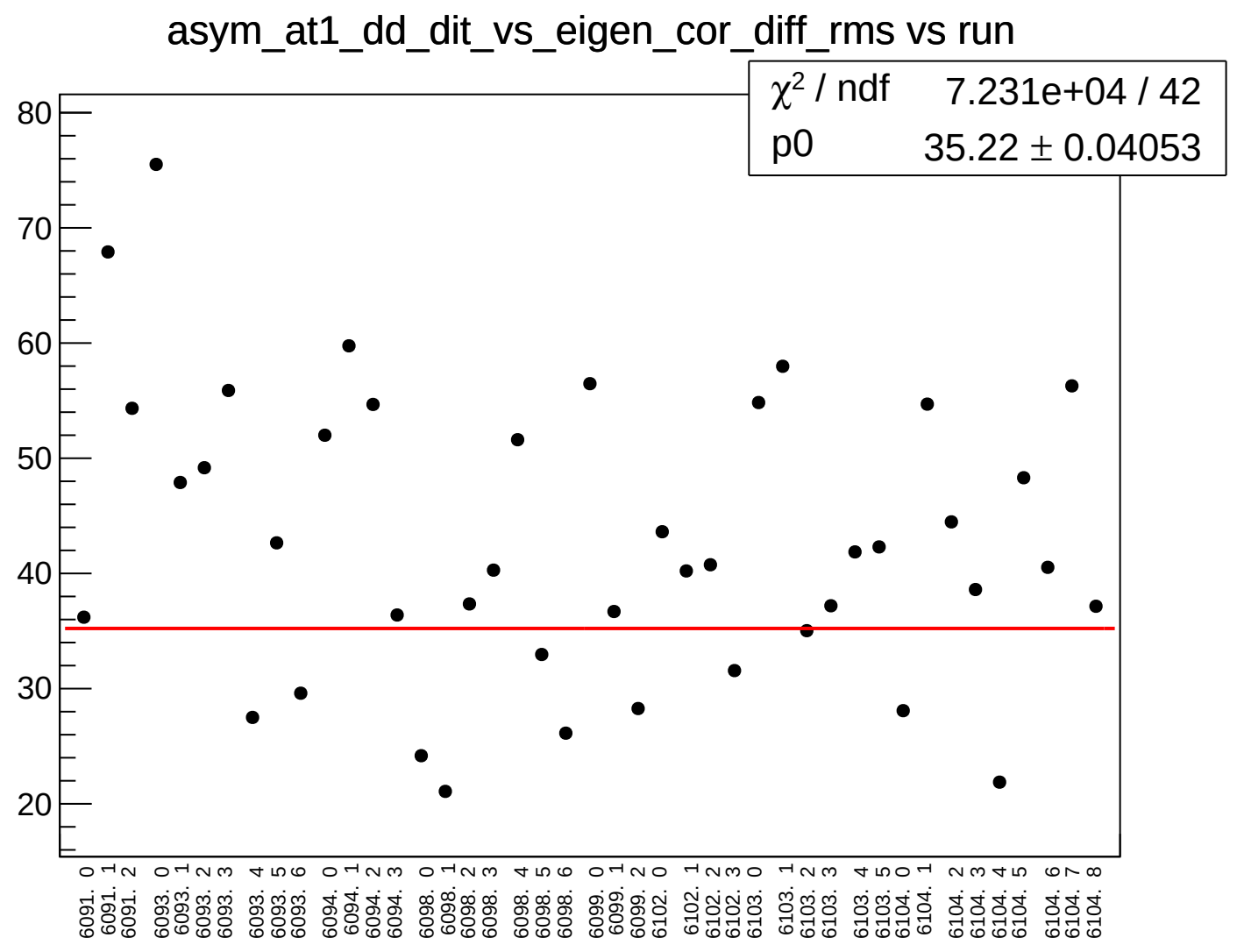

asym_at1_dd_dit_vs_cor_diff_mean vs run
χ² / ndf 38.7 / 42
p0 −0.0558 ± 0.05732
pull
Entries 43
Mean 75.51
Std Dev 0

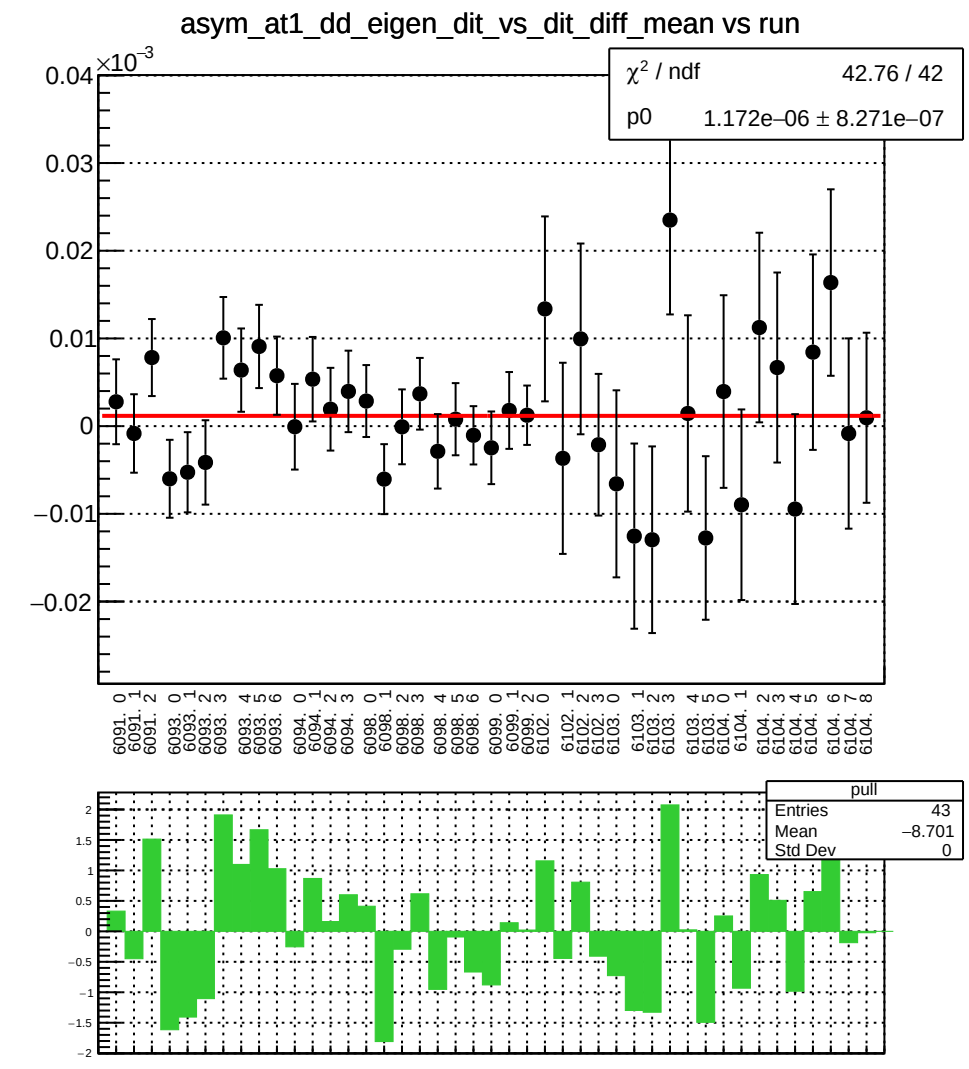

pull1D
Entries 43
Mean 0.02338
Std Dev 0.9484

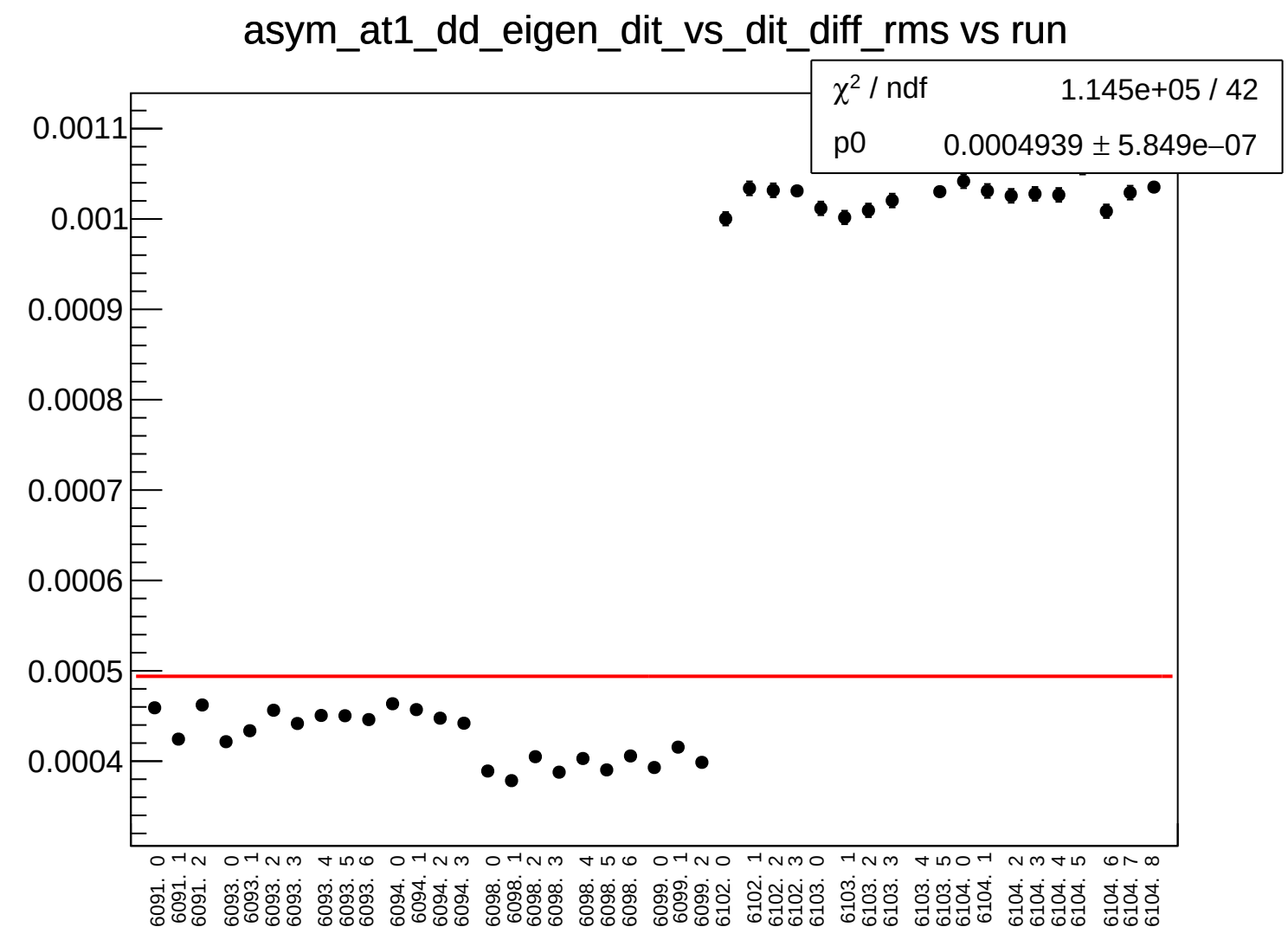

asym_at1_dd_dit_vs_cor_diff_rms vs run
χ² / ndf 7.231e+04 / 42
p0 35.22 ± 0.04053
80
70
60
50
40
30
20
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

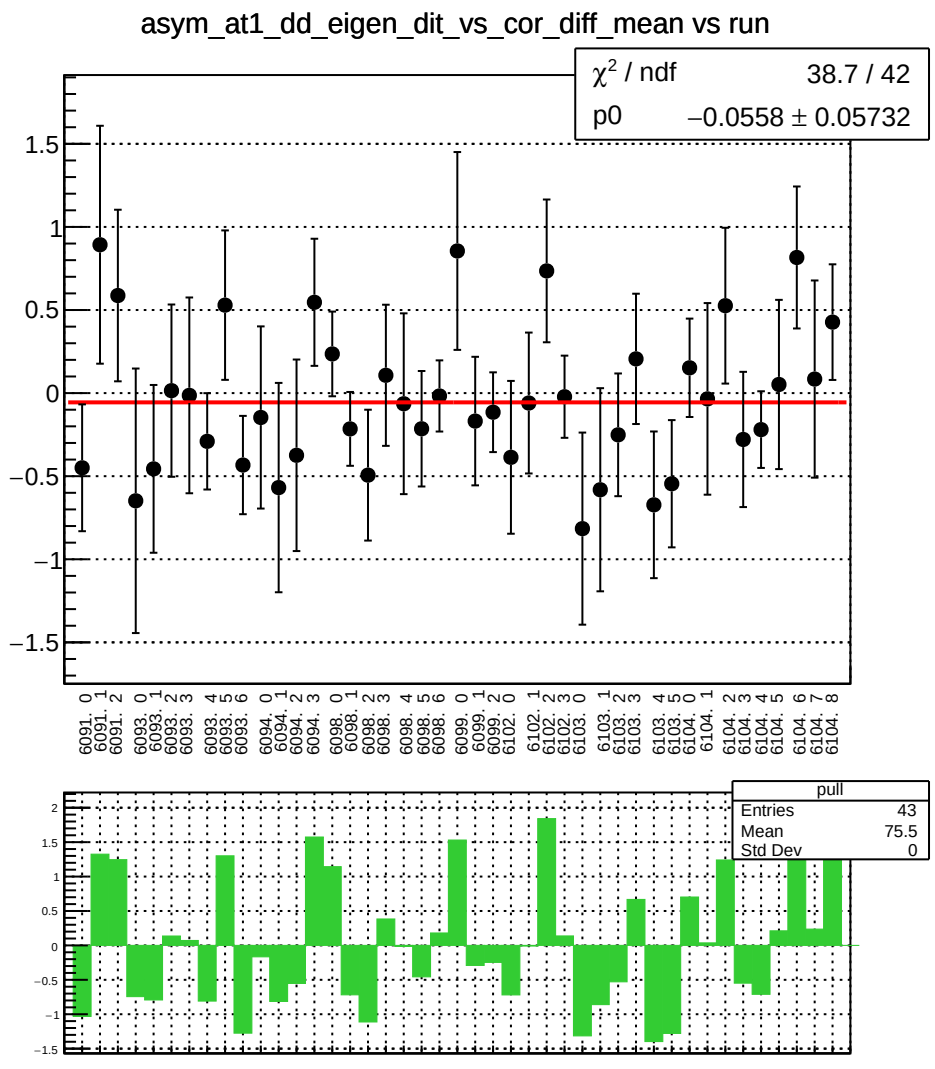

asym_at1_dd_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 38.7 / 42
p0 −0.0558 ± 0.05732
1.5
1
0.5
0
−0.5
−1
−1.5
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 75.51
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5

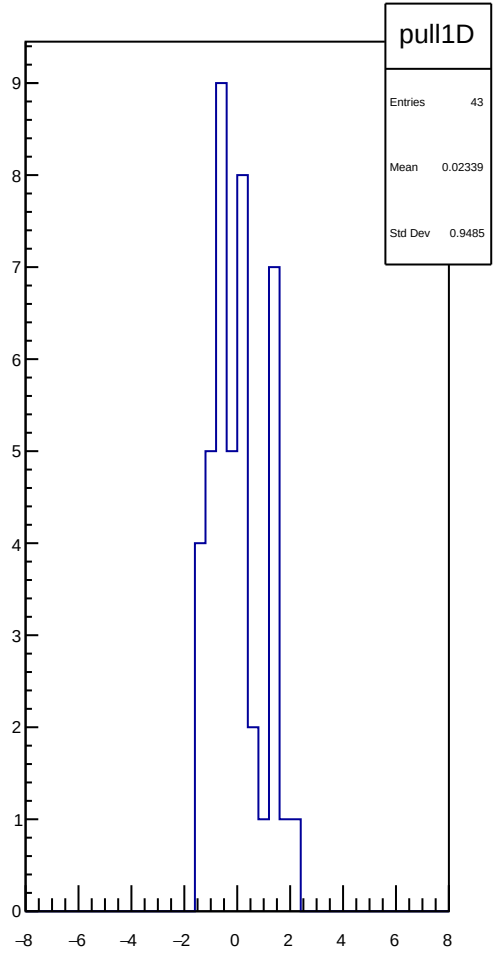

pull1D
Entries 43
Mean 0.02338
Std Dev 0.9484
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

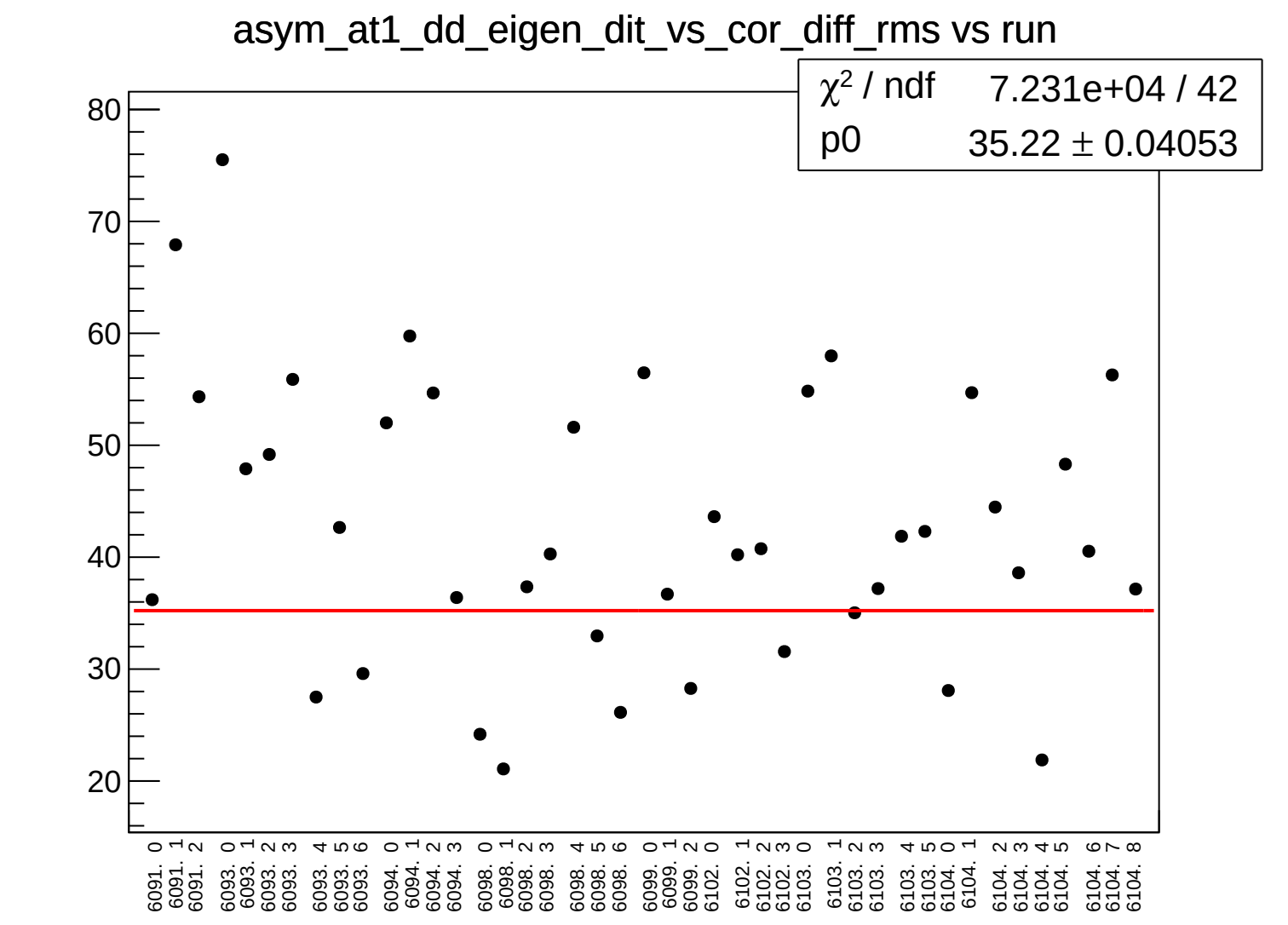

asym_at1_dd_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 7.231e+04 / 42
p0 35.22 ± 0.04053
80
70
60
50
40
30
20
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

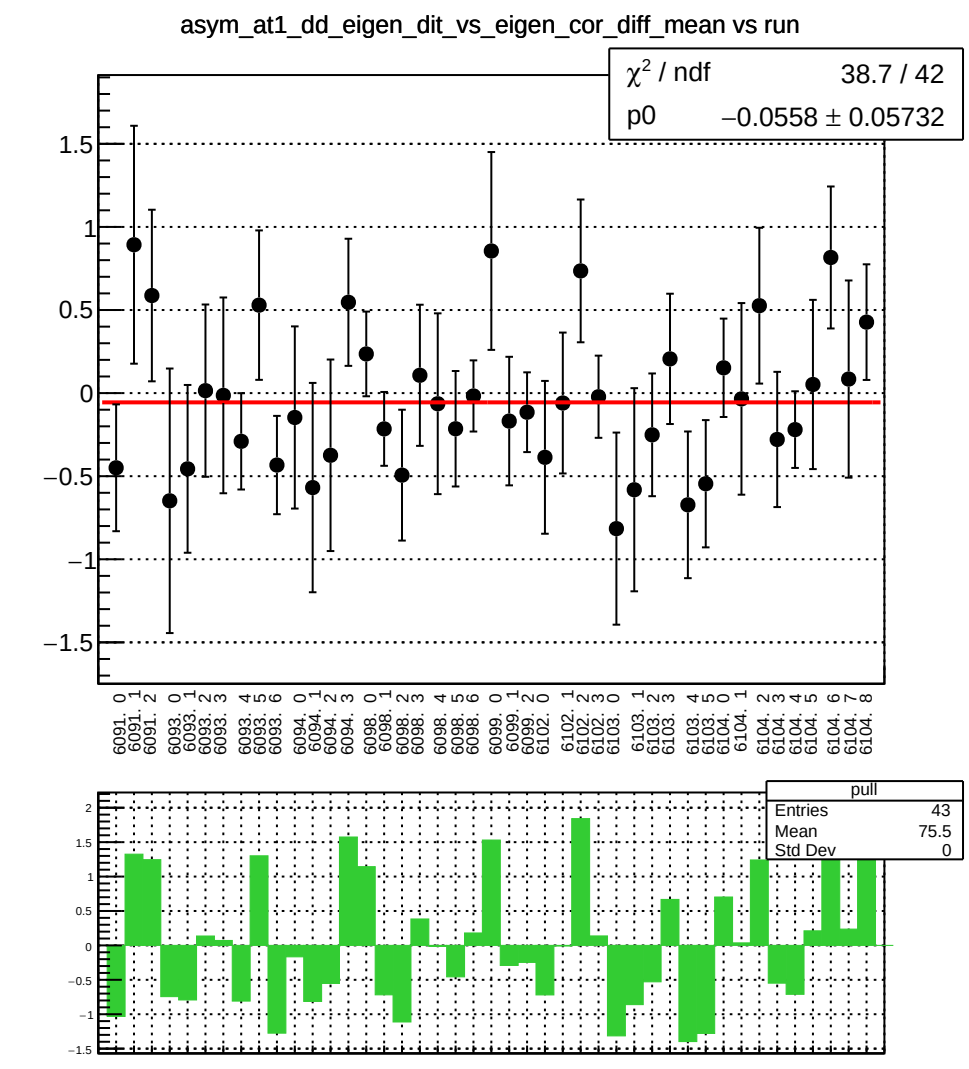

asym_at1_dd_eigen_dit_vs_dit_diff_mean vs run
χ² / ndf 42.76 / 42
p0 1.172e−06 ± 8.271e−07
×10⁻³
0.04
0.03
0.02
0.01
0
−0.01
−0.02
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean −8.701
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 43
Mean 0.0201
Std Dev 0.9971
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

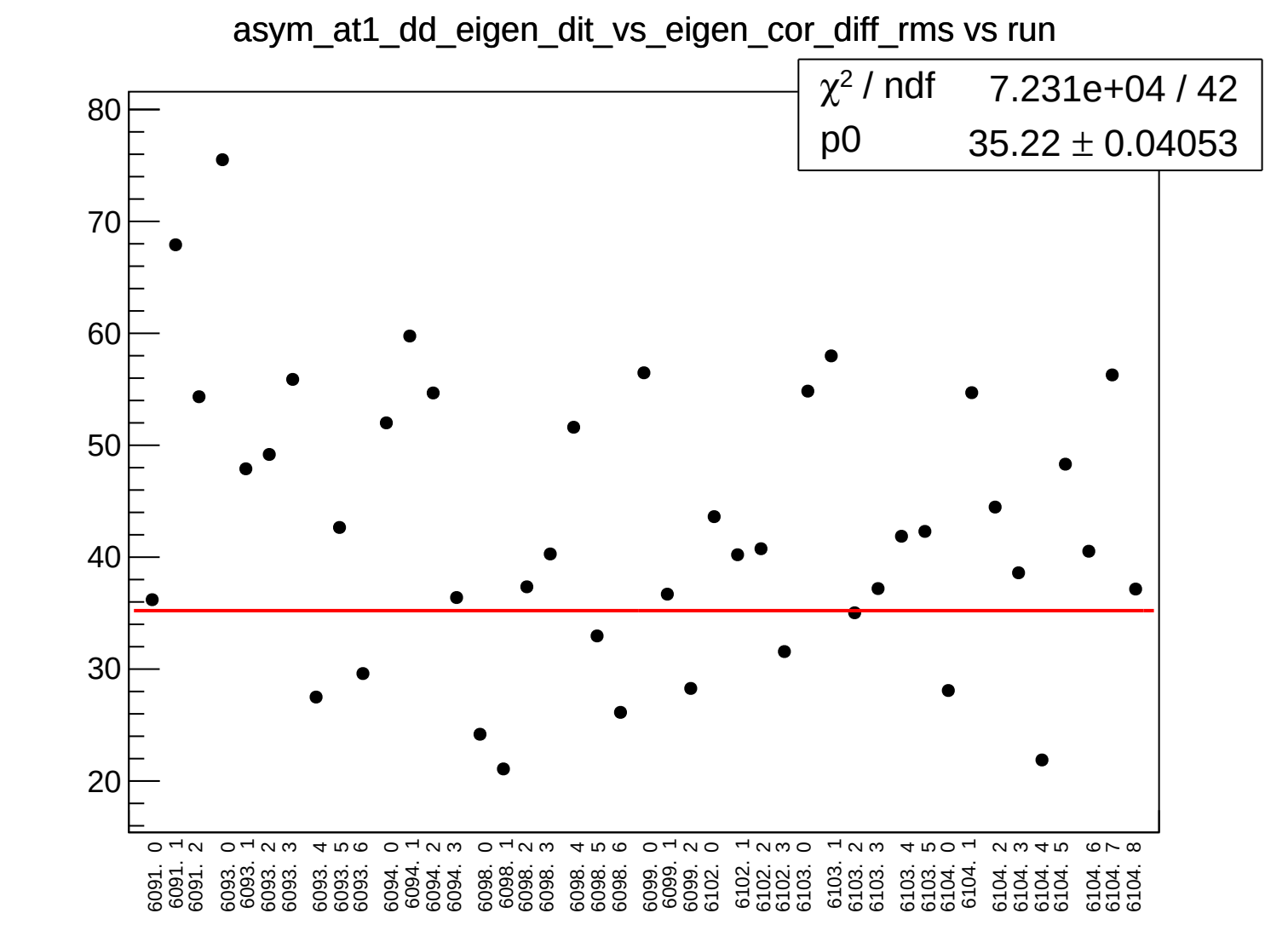

asym_at1_dd_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 1.145e+05 / 42
p0 0.0004939 ± 5.849e−07
0.0011
0.001
0.0009
0.0008
0.0007
0.0006
0.0005
0.0004
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

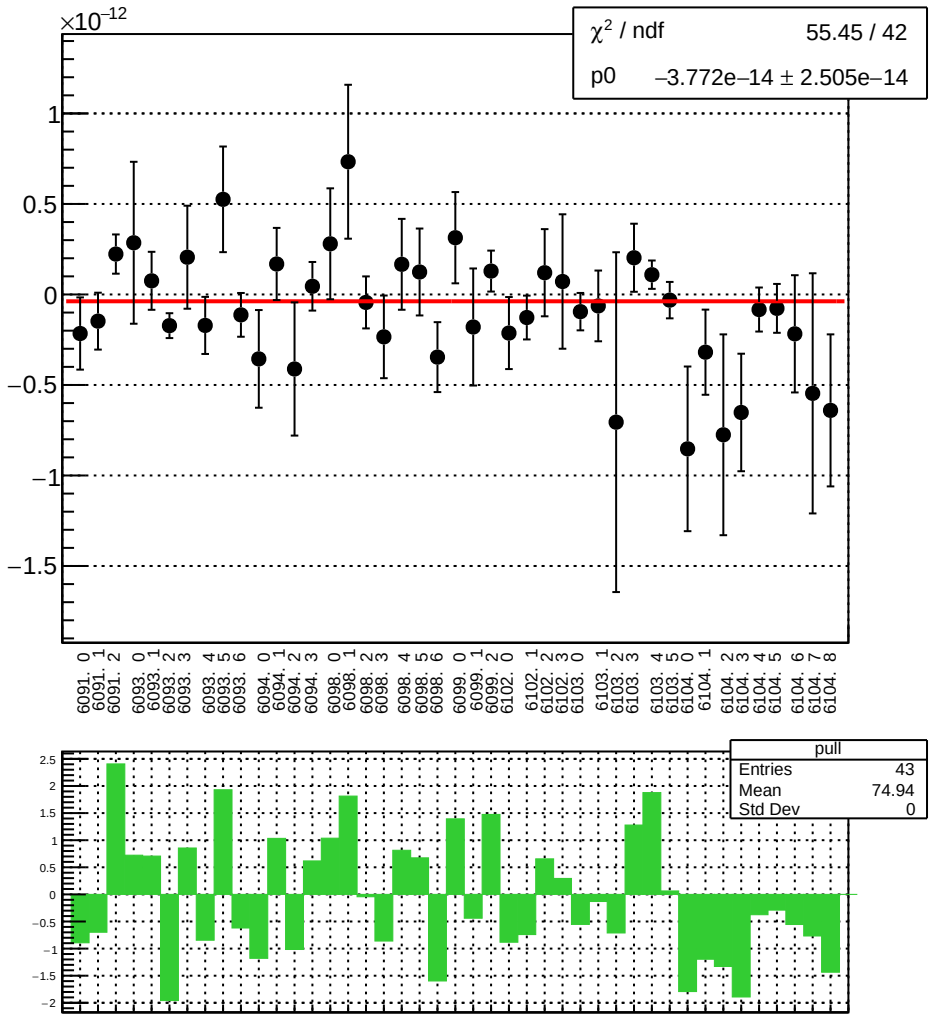

asym_at1_dd_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 38.7 / 42
p0 −0.0558 ± 0.05732
1.5
1
0.5
0
−0.5
−1
−1.5
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 75.5
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5

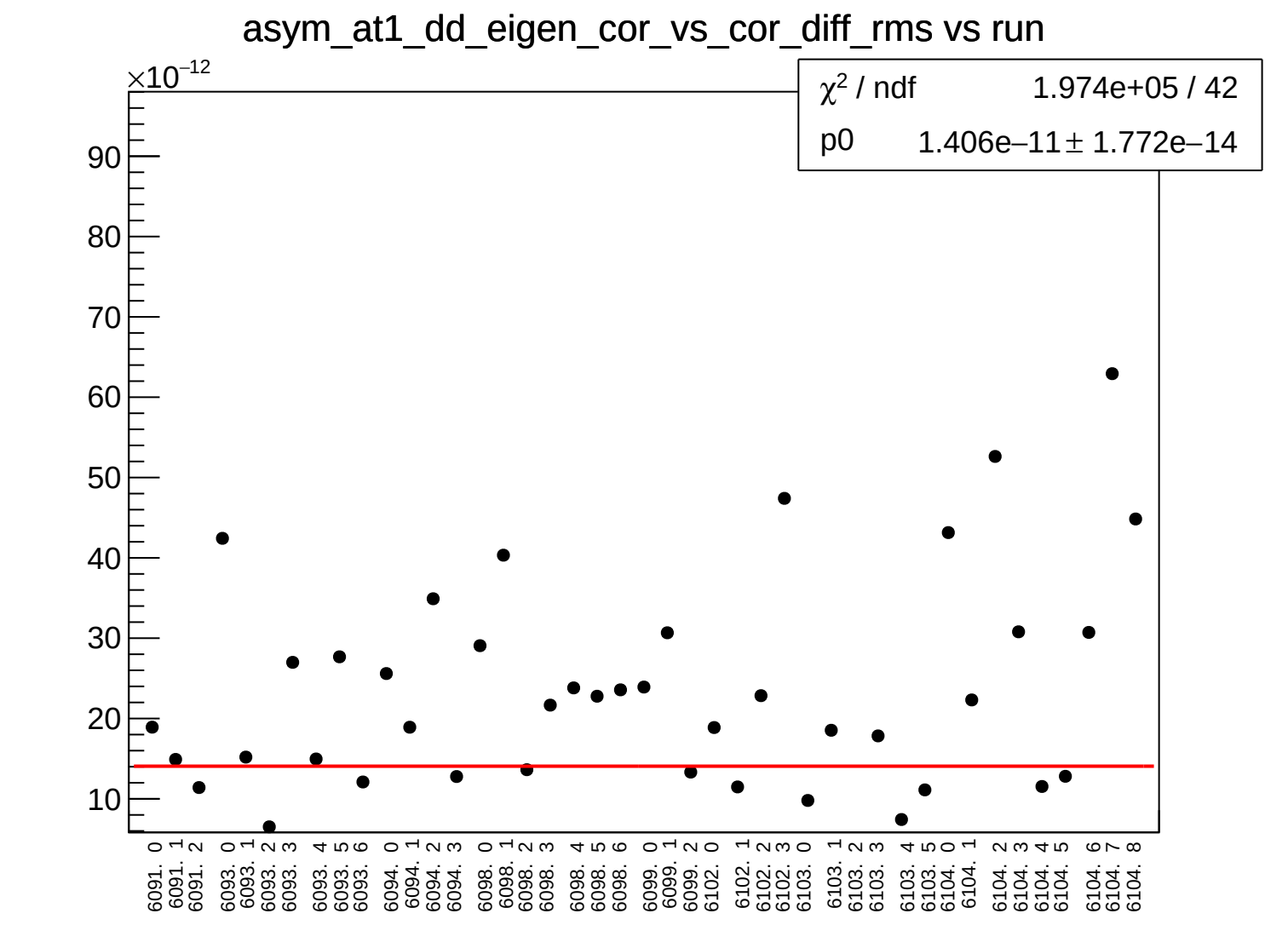

pull1D
Entries 43
Mean 0.02339
Std Dev 0.9485
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

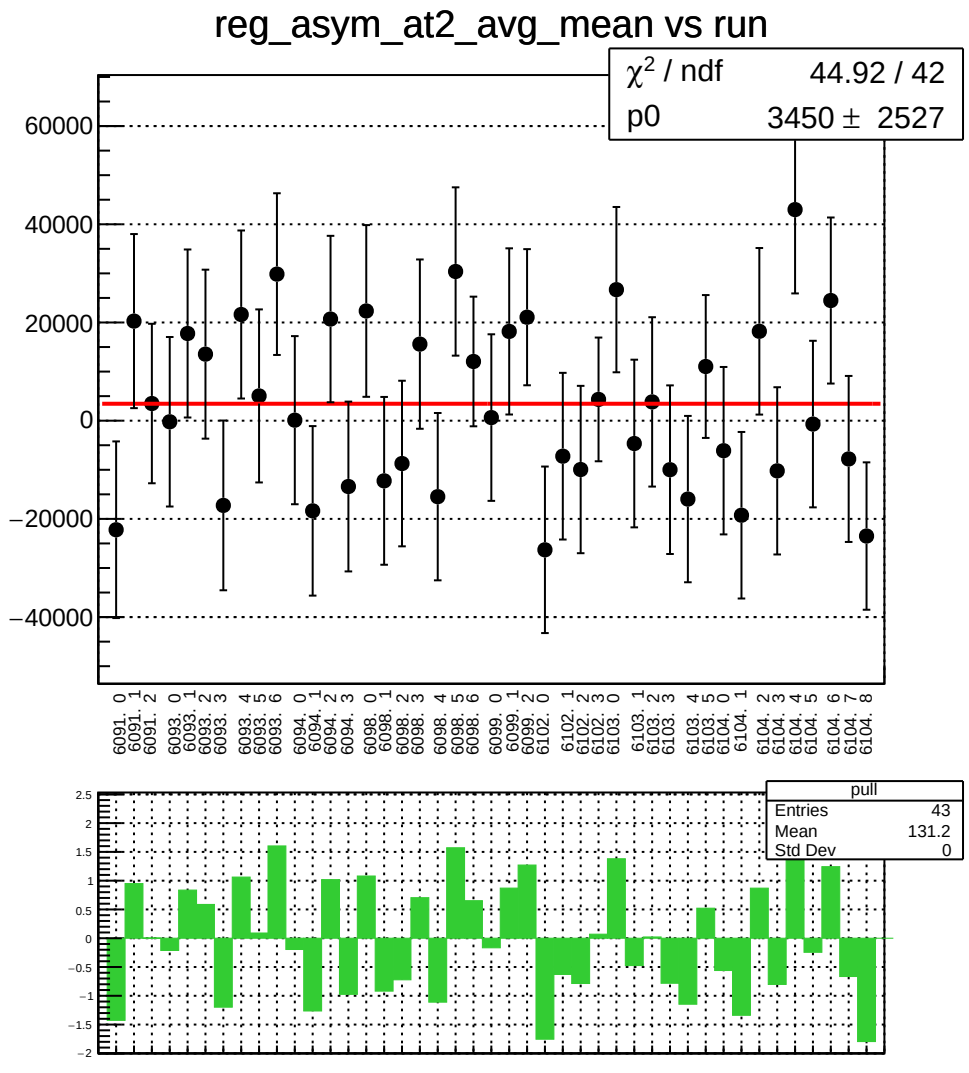

asym_at1_dd_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 7.231e+04 / 42
p0 35.22 ± 0.04053
80
70
60
50
40
30
20
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

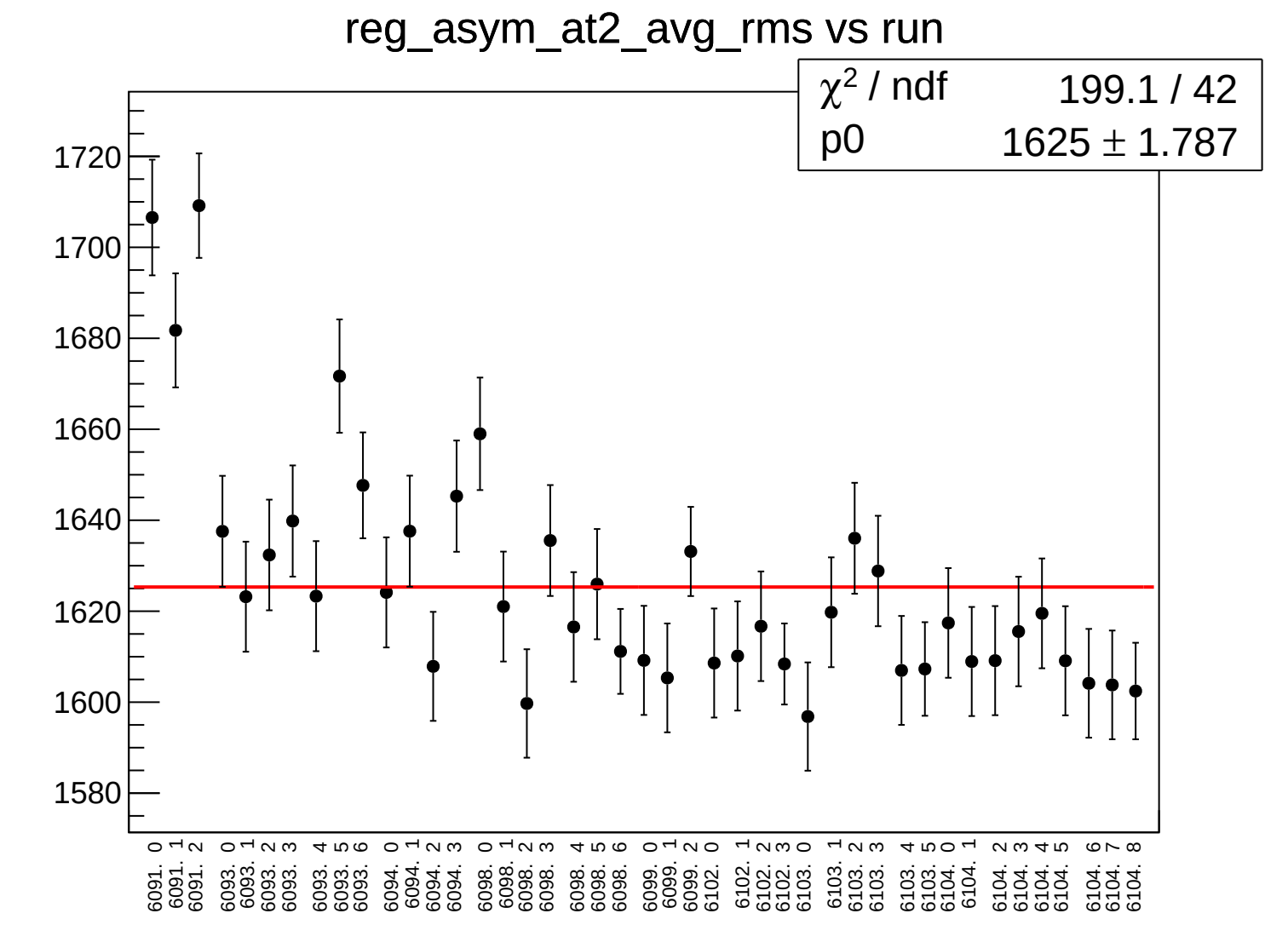

asym_at1_dd_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 38.7 / 42
p0 −0.0558 ± 0.05732
1.5
1
0.5
0
−0.5
−1
−1.5
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 75.5
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 43
Mean 0.02339
Std Dev 0.9485
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

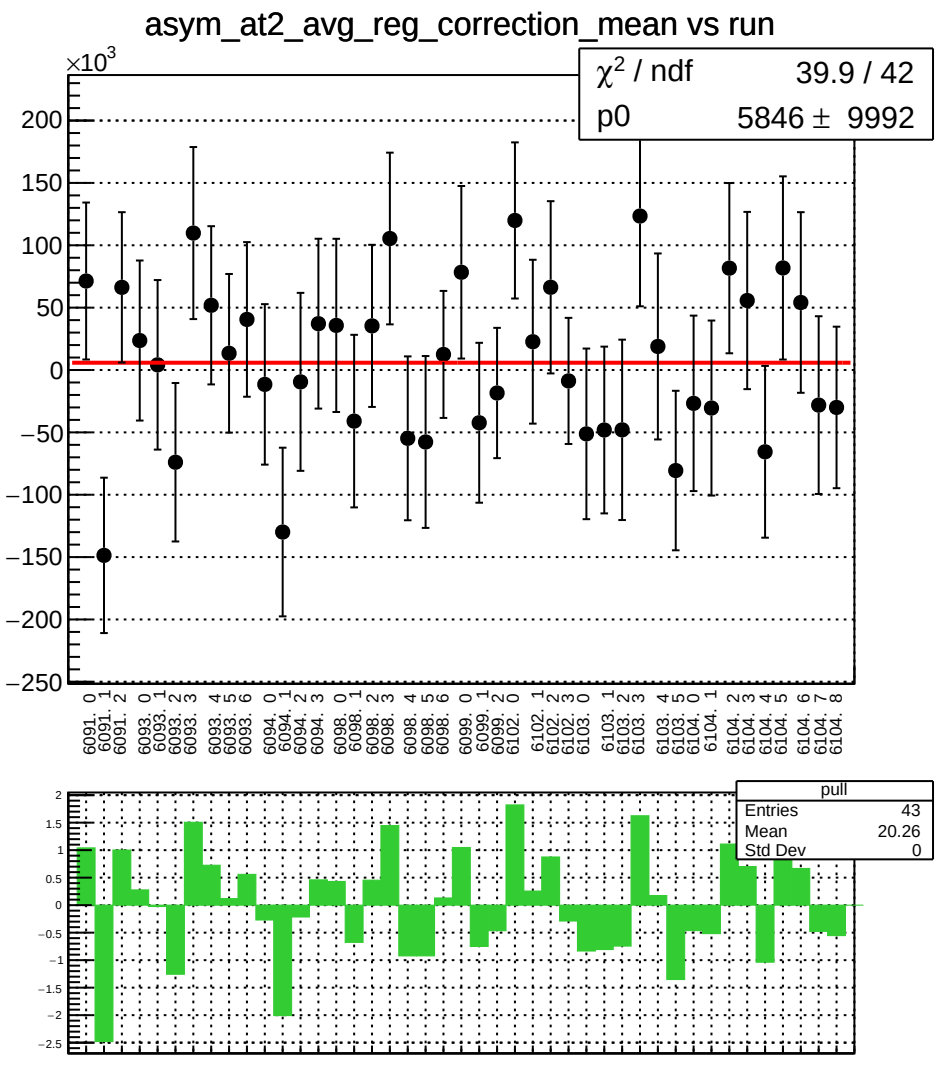

asym_at1_dd_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 7.231e+04 / 42
p0 35.22 ± 0.04053
80
70
60
50
40
30
20
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

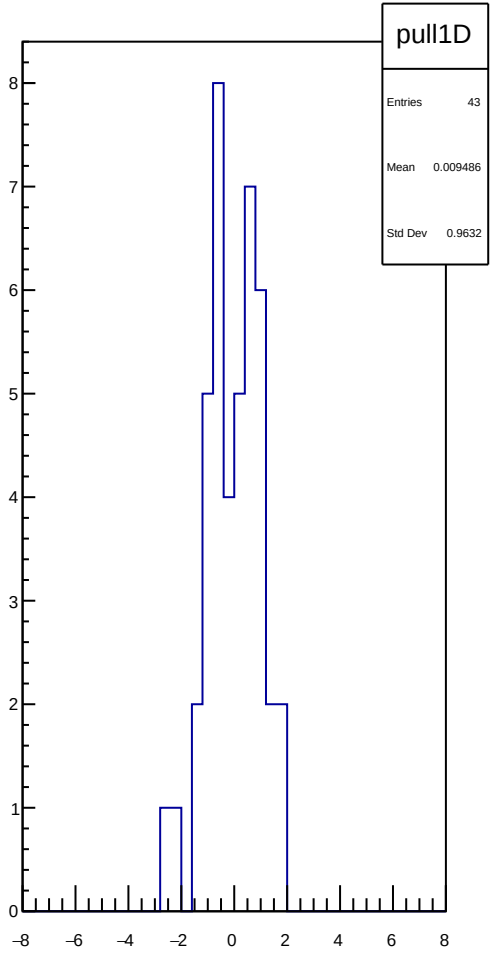

asym_at1_dd_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 55.45 / 42
p0 −3.772e−14 ± 2.505e−14
1
0.5
0
−0.5
−1
−1.5
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 74.94
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 43
Mean −0.07321
Std Dev 1.133
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

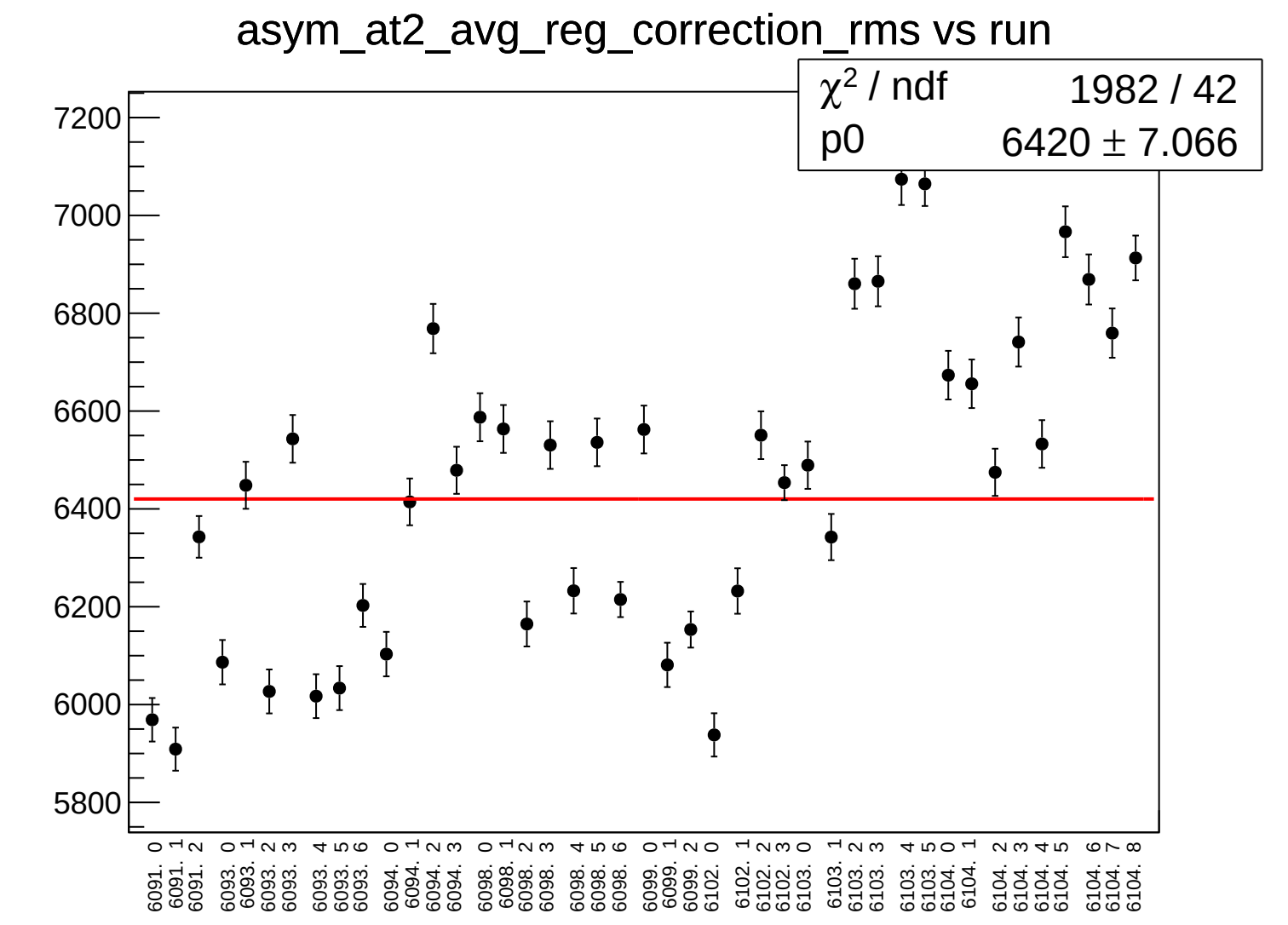

asym_at1_dd_eigen_cor_vs_cor_diff_rms vs run
×10⁻¹²
χ² / ndf 1.974e+05 / 42
p0 1.406e−11 ± 1.772e−14
90
80
70
60
50
40
30
20
10
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

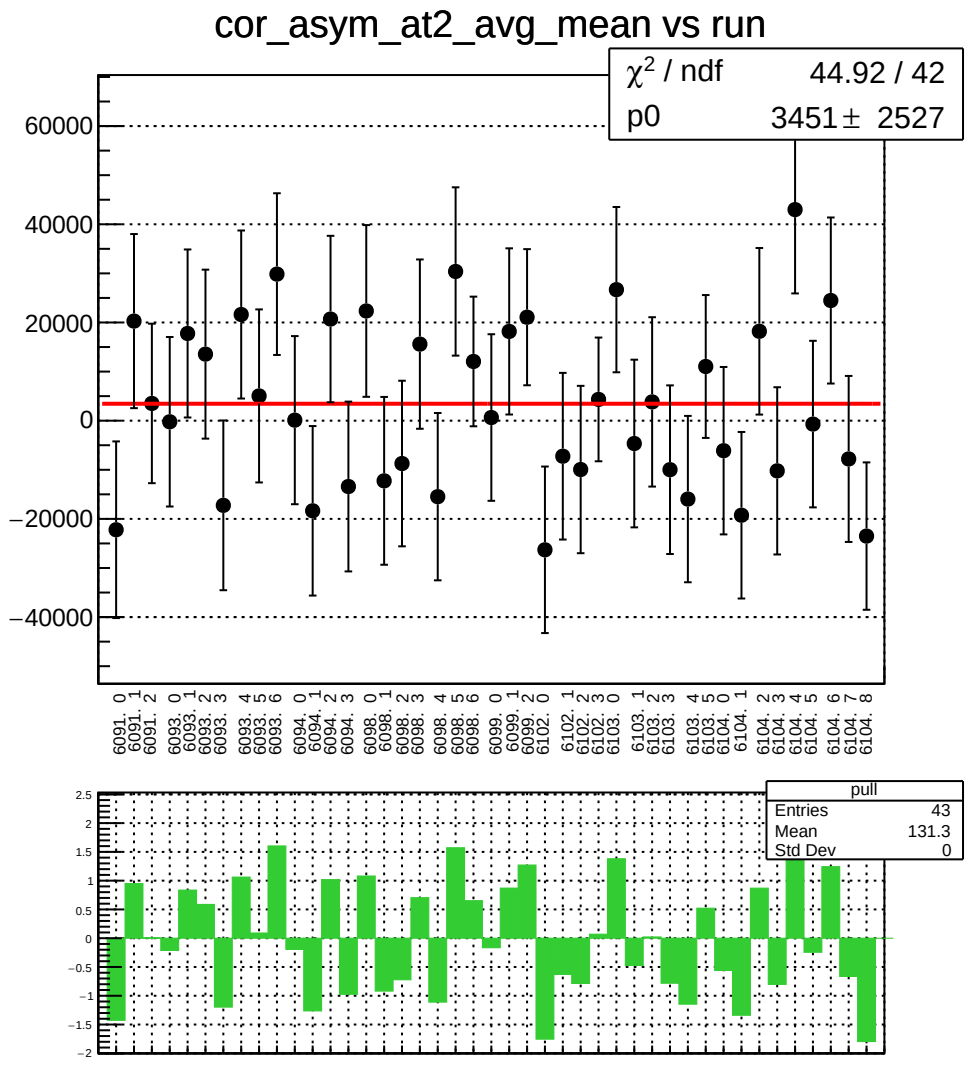

reg_asym_at2_avg_mean vs run
χ² / ndf 44.92 / 42
p0 3450 ± 2527
60000
40000
20000
0
−20000
−40000
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 131.2
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 43
Mean −0.01032
Std Dev 1.022
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

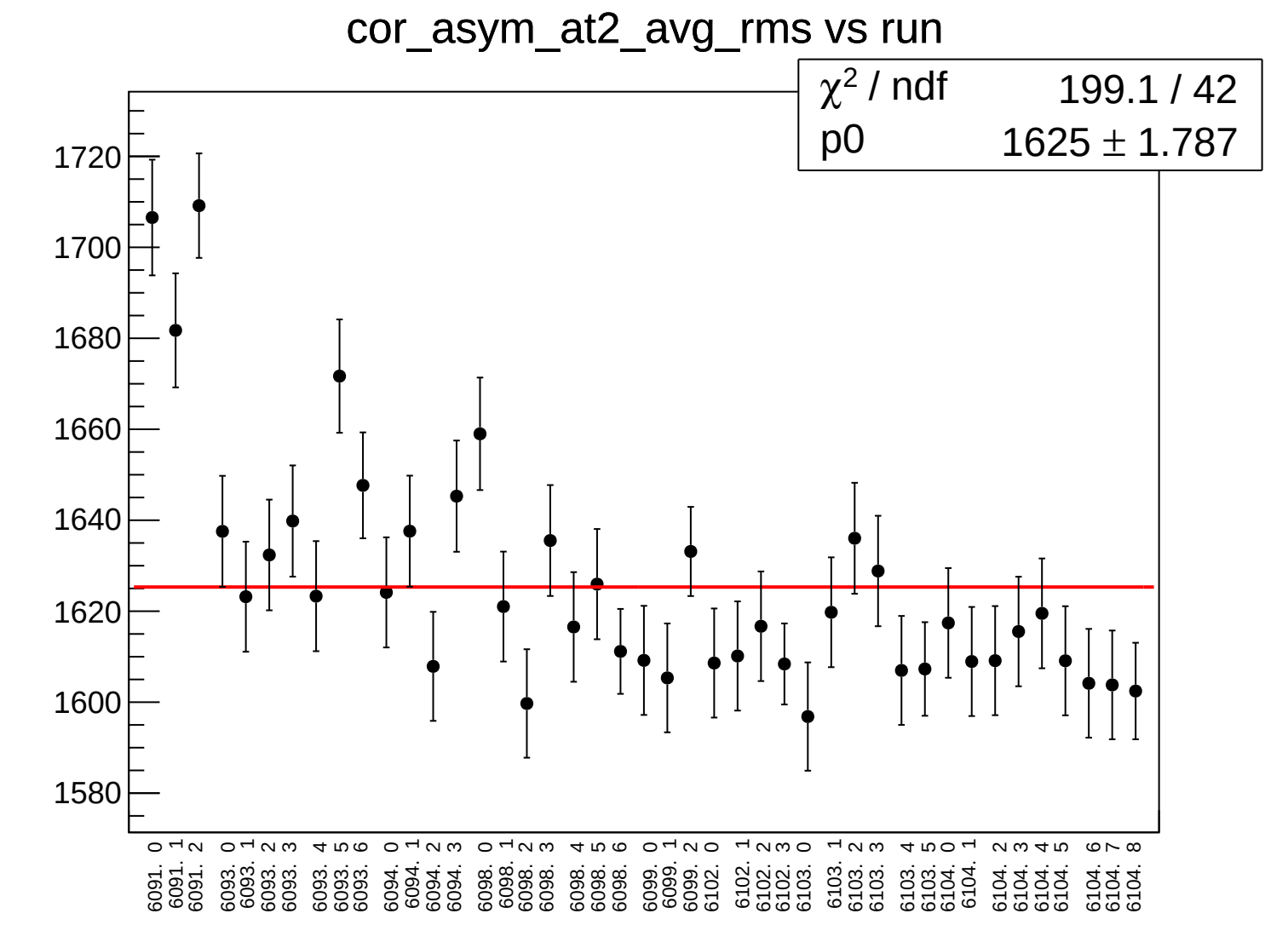

reg_asym_at2_avg_rms vs run
χ² / ndf 199.1 / 42
p0 1625 ± 1.787
1720
1700
1680
1660
1640
1620
1600
1580
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

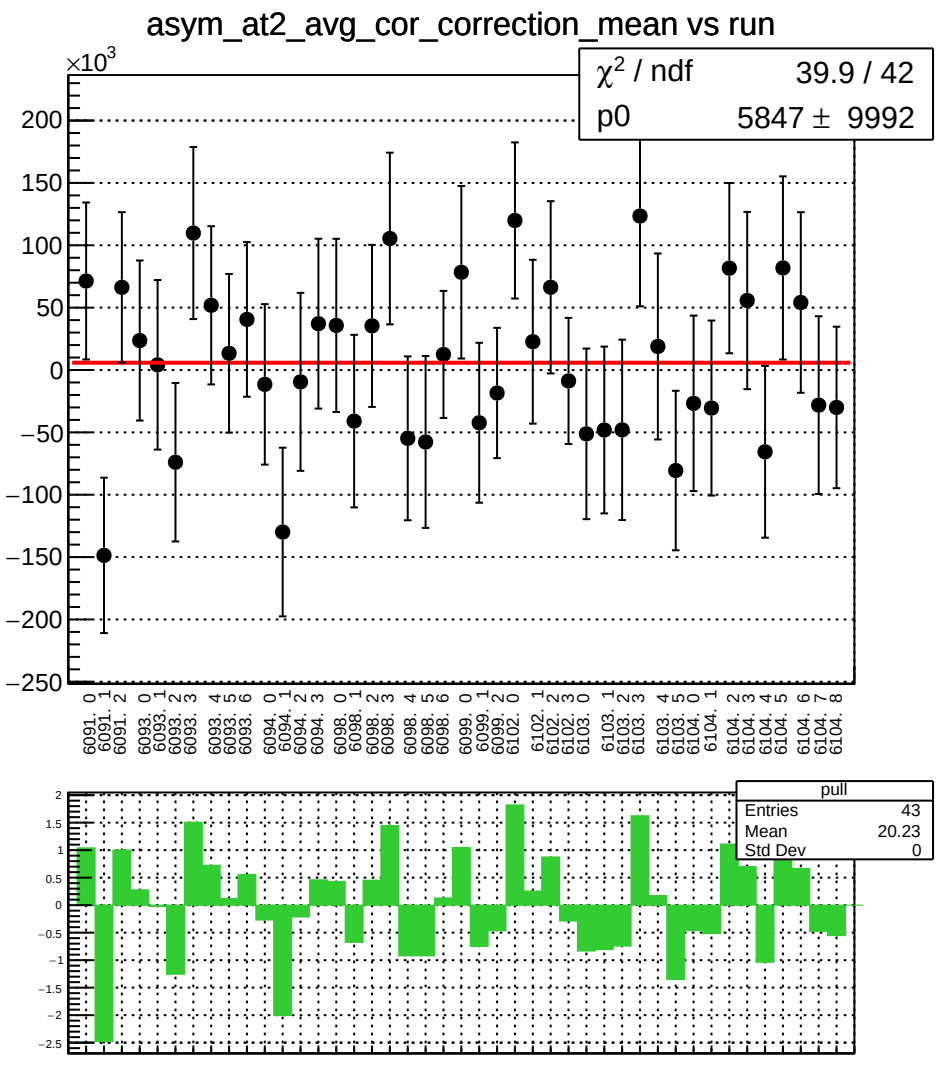

asym_at2_avg_reg_correction_mean vs run
χ² / ndf 39.9 / 42
p0 5846 ± 9992
×10³
pull
Entries 43
Mean 20.26
Std Dev 0

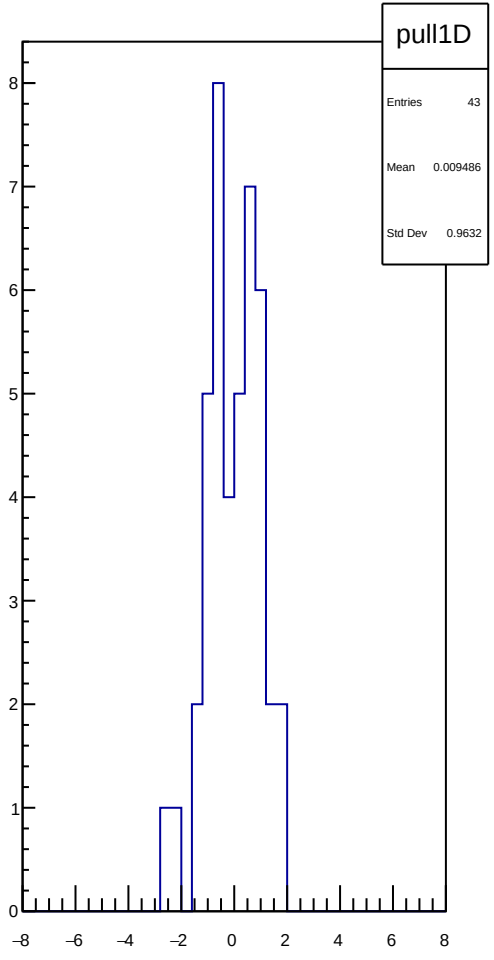

pull1D
Entries 43
Mean 0.009486
Std Dev 0.9632

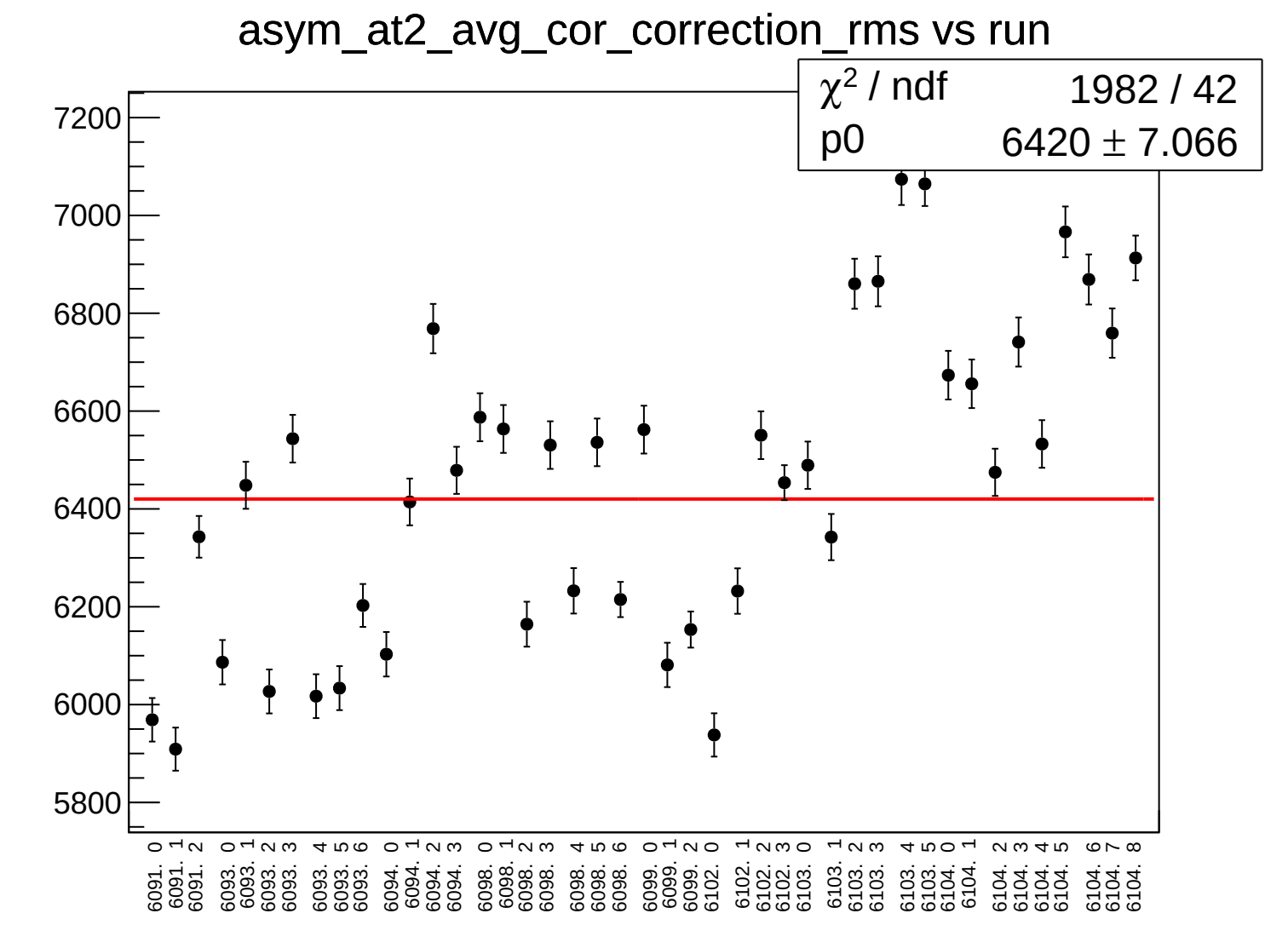

asym_at2_avg_reg_correction_rms vs run
χ² / ndf 1982 / 42
p0 6420 ± 7.066
7200
7000
6800
6600
6400
6200
6000
5800
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8


cor_asym_at2_avg_mean vs run
χ² / ndf 44.92 / 42
p0 3451 ± 2527
60000
40000
20000
0
−20000
−40000
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 131.3
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 43
Mean −0.01032
Std Dev 1.022
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


cor_asym_at2_avg_rms vs run
χ² / ndf 199.1 / 42
p0 1625 ± 1.787
1720
1700
1680
1660
1640
1620
1600
1580
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8


asym_at2_avg_cor_correction_mean vs run
χ² / ndf 39.9 / 42
p0 5847 ± 9992
×10³
pull
Entries 43
Mean 20.23
Std Dev 0


pull1D
Entries 43
Mean 0.009486
Std Dev 0.9632


asym_at2_avg_cor_correction_rms vs run
χ² / ndf 1982 / 42
p0 6420 ± 7.066
7200
7000
6800
6600
6400
6200
6000
5800
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
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6104. 2
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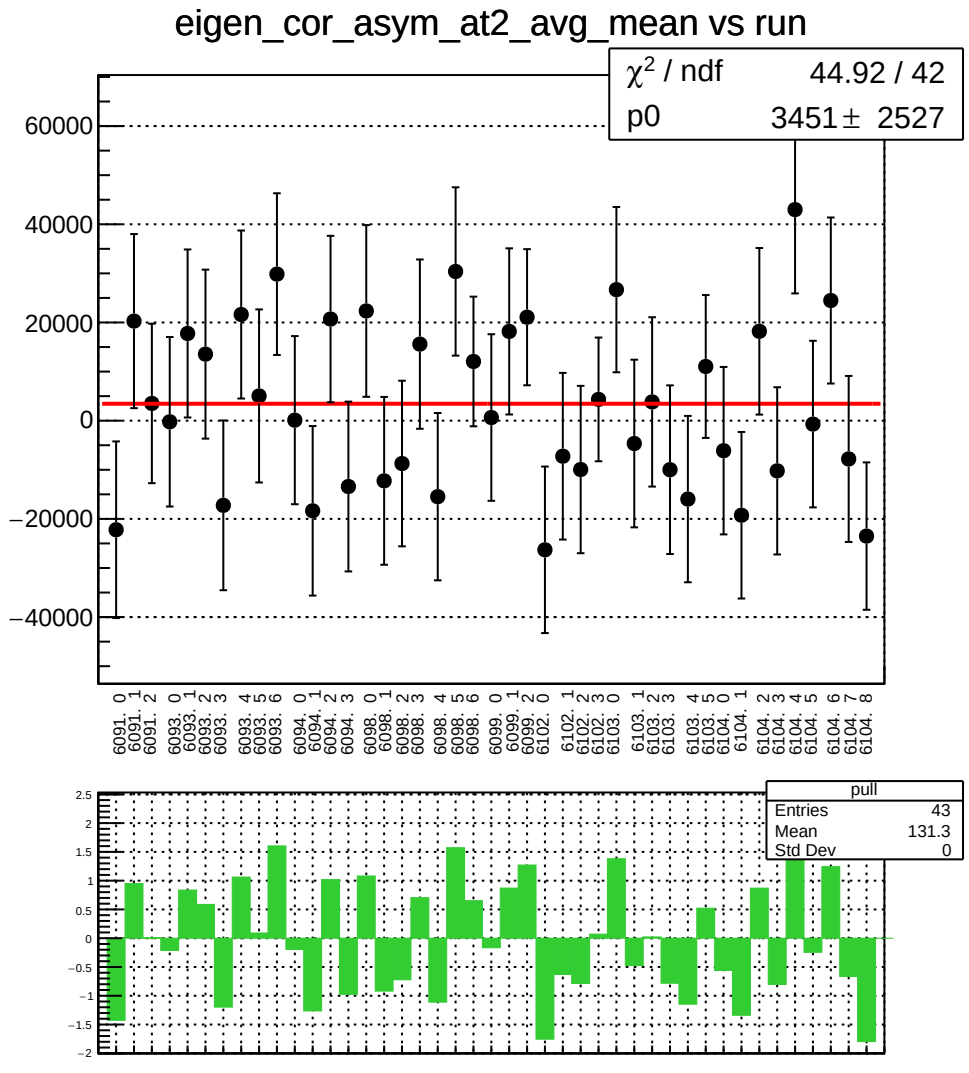
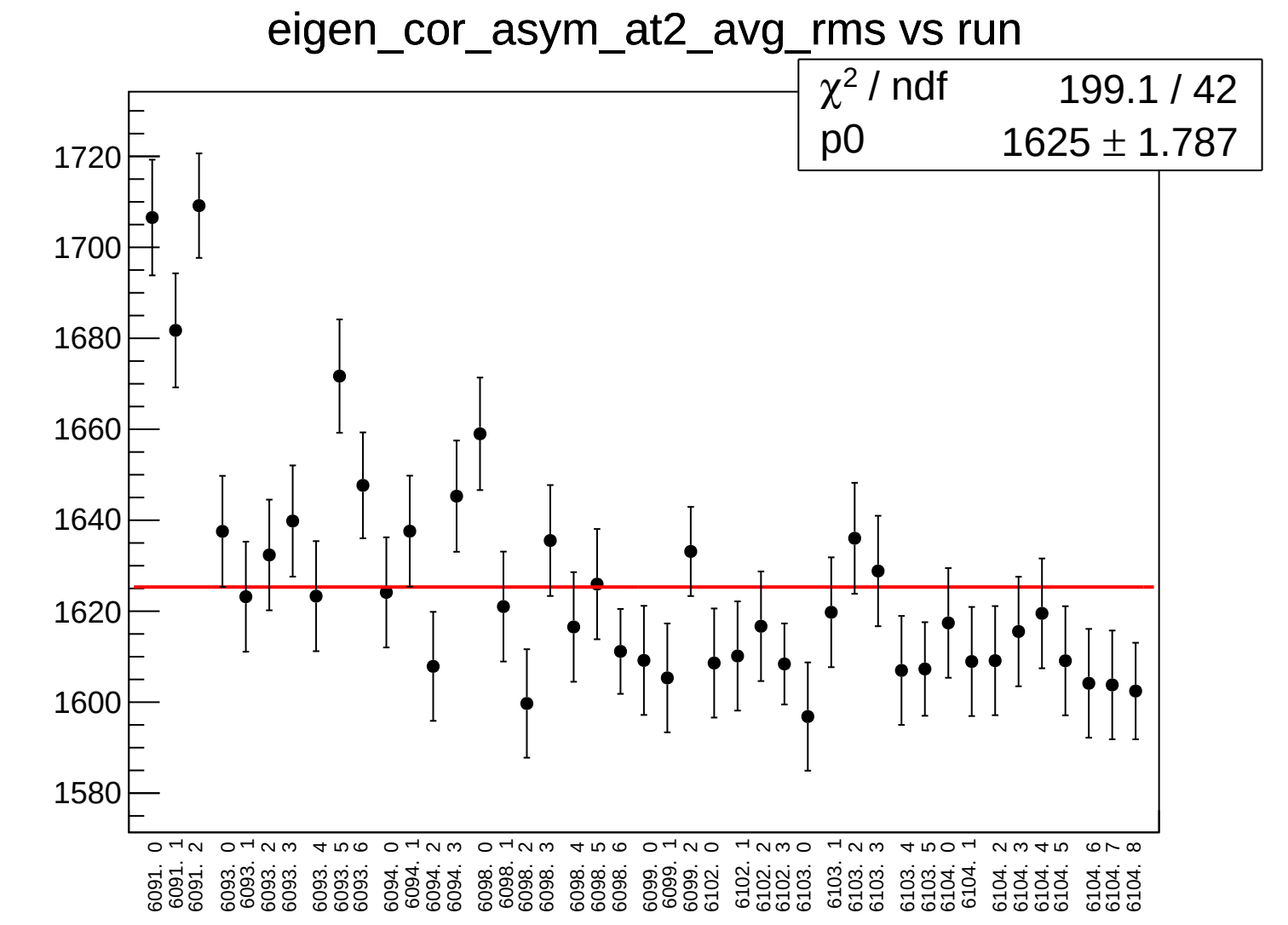
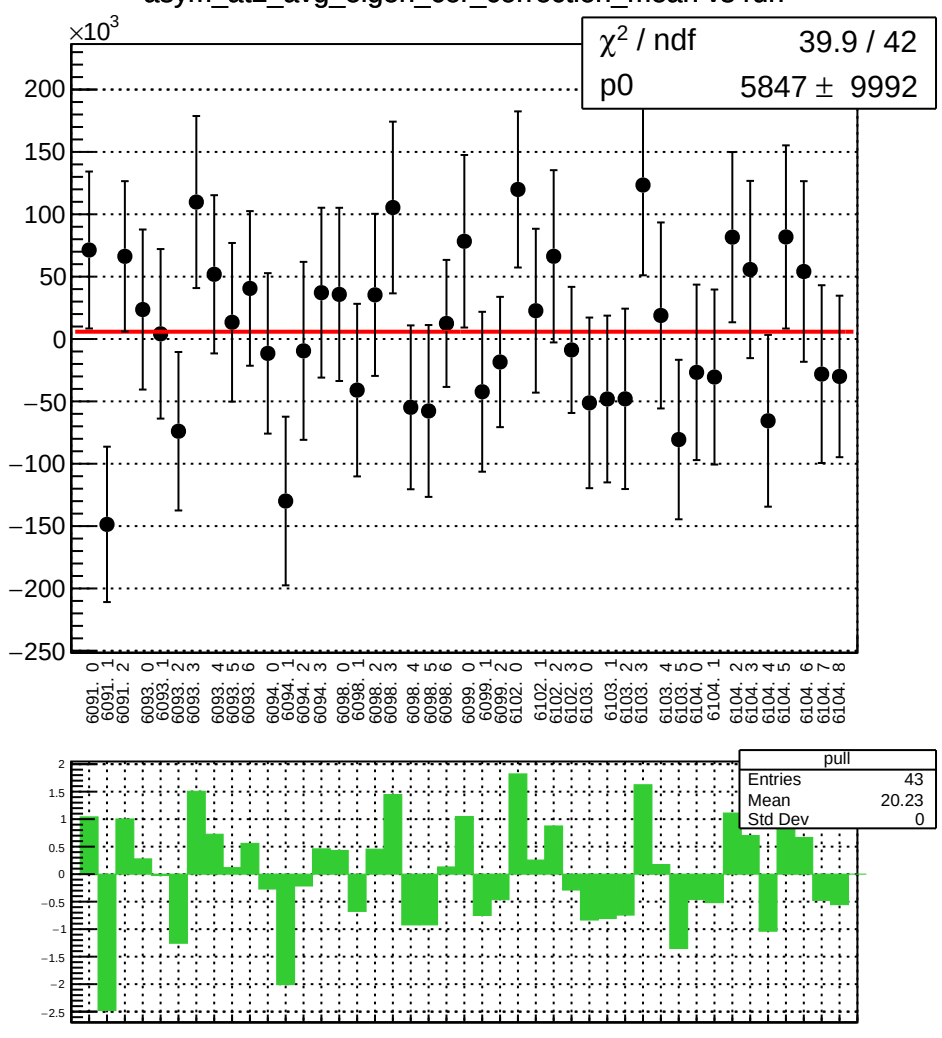
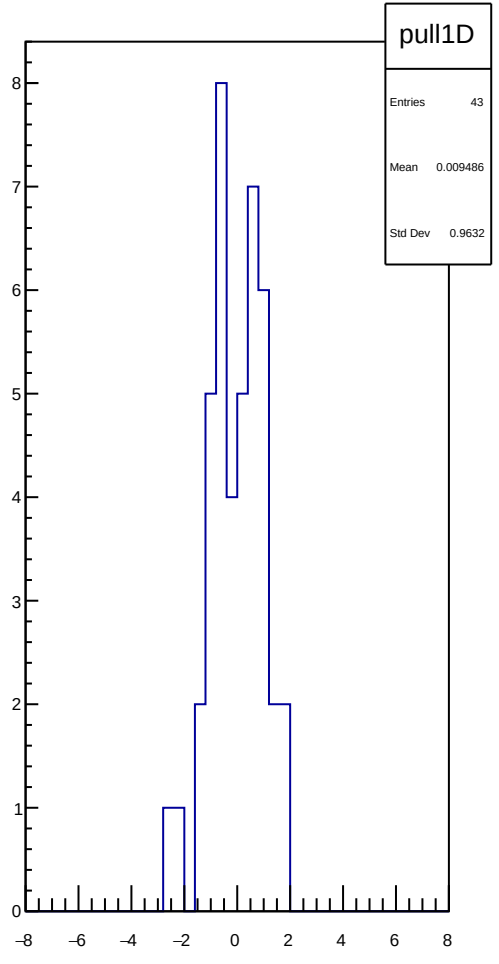
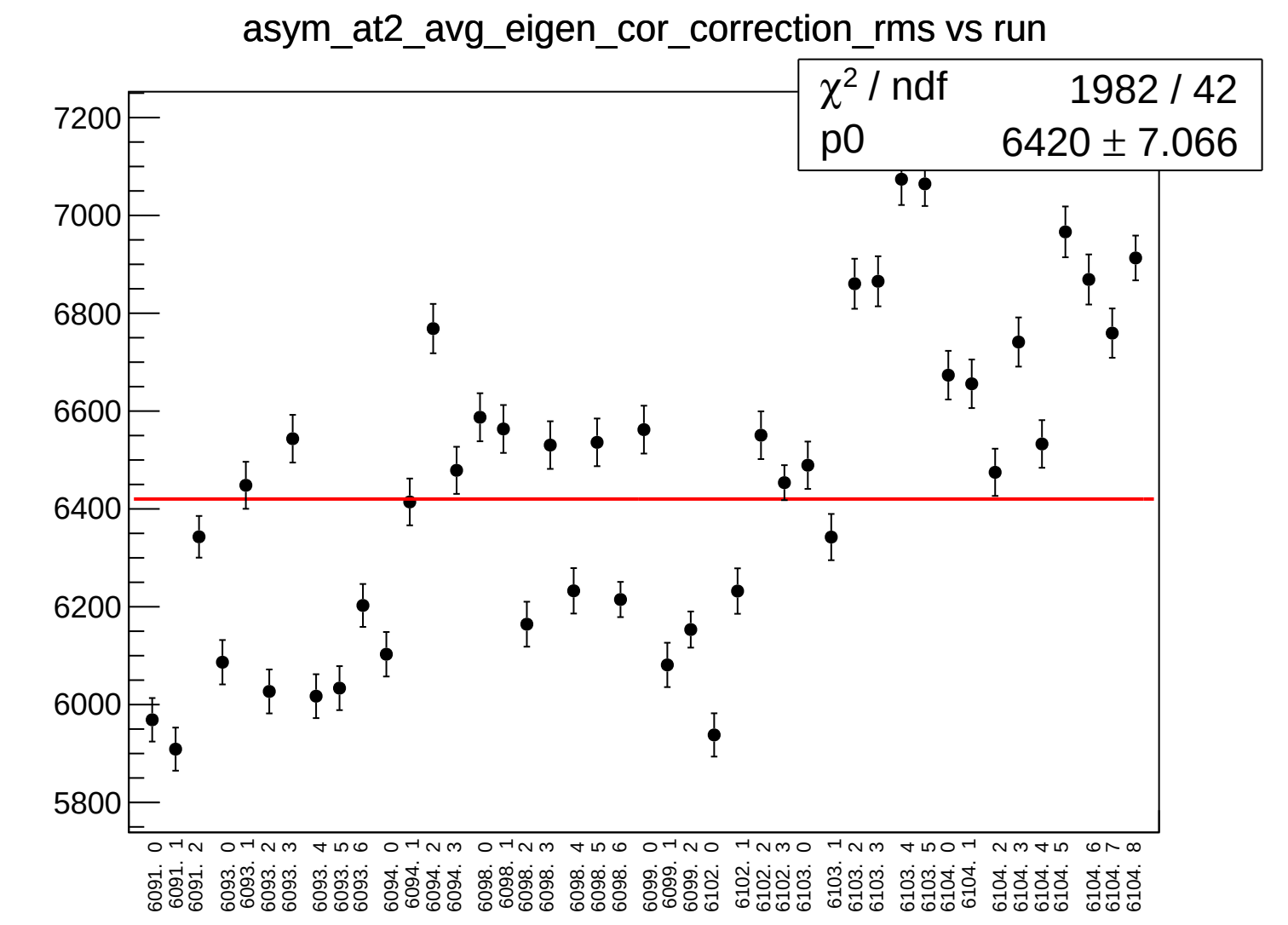
6104. 5
6104. 6
6104. 7
6104. 8

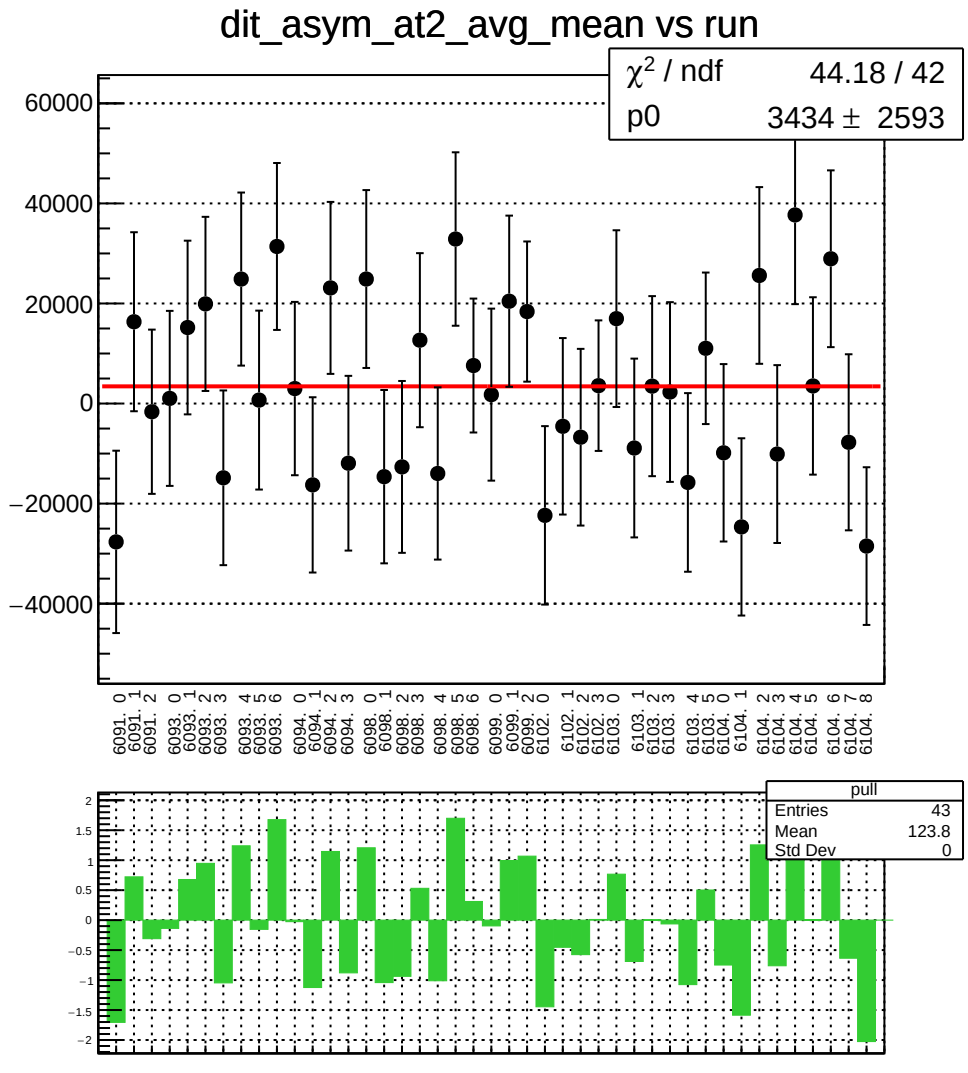

eigen_cor_asym_at2_avg_mean vs run
χ² / ndf 44.92 / 42
p0 3451 ± 2527
60000
40000
20000
0
−20000
−40000
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 131.3
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 43
Mean −0.01032
Std Dev 1.022
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

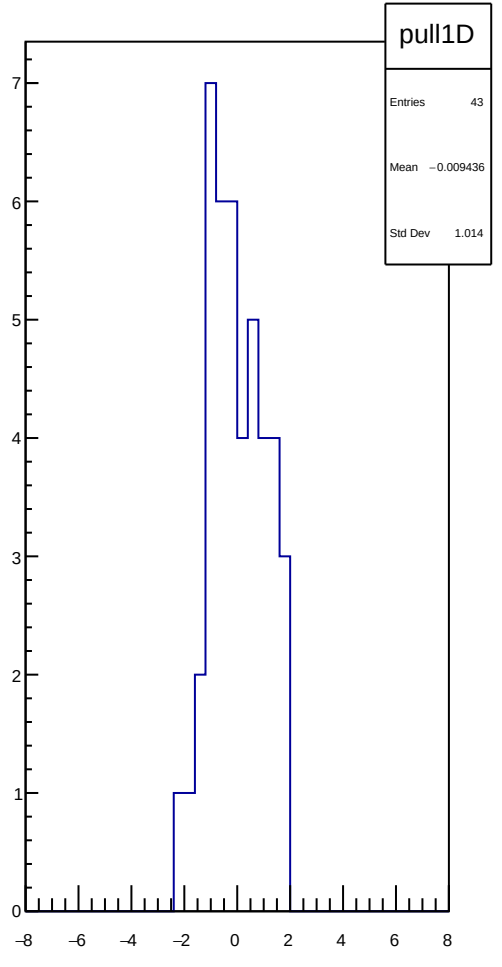

eigen_cor_asym_at2_avg_rms vs run
χ² / ndf 199.1 / 42
p0 1625 ± 1.787
1720
1700
1680
1660
1640
1620
1600
1580
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

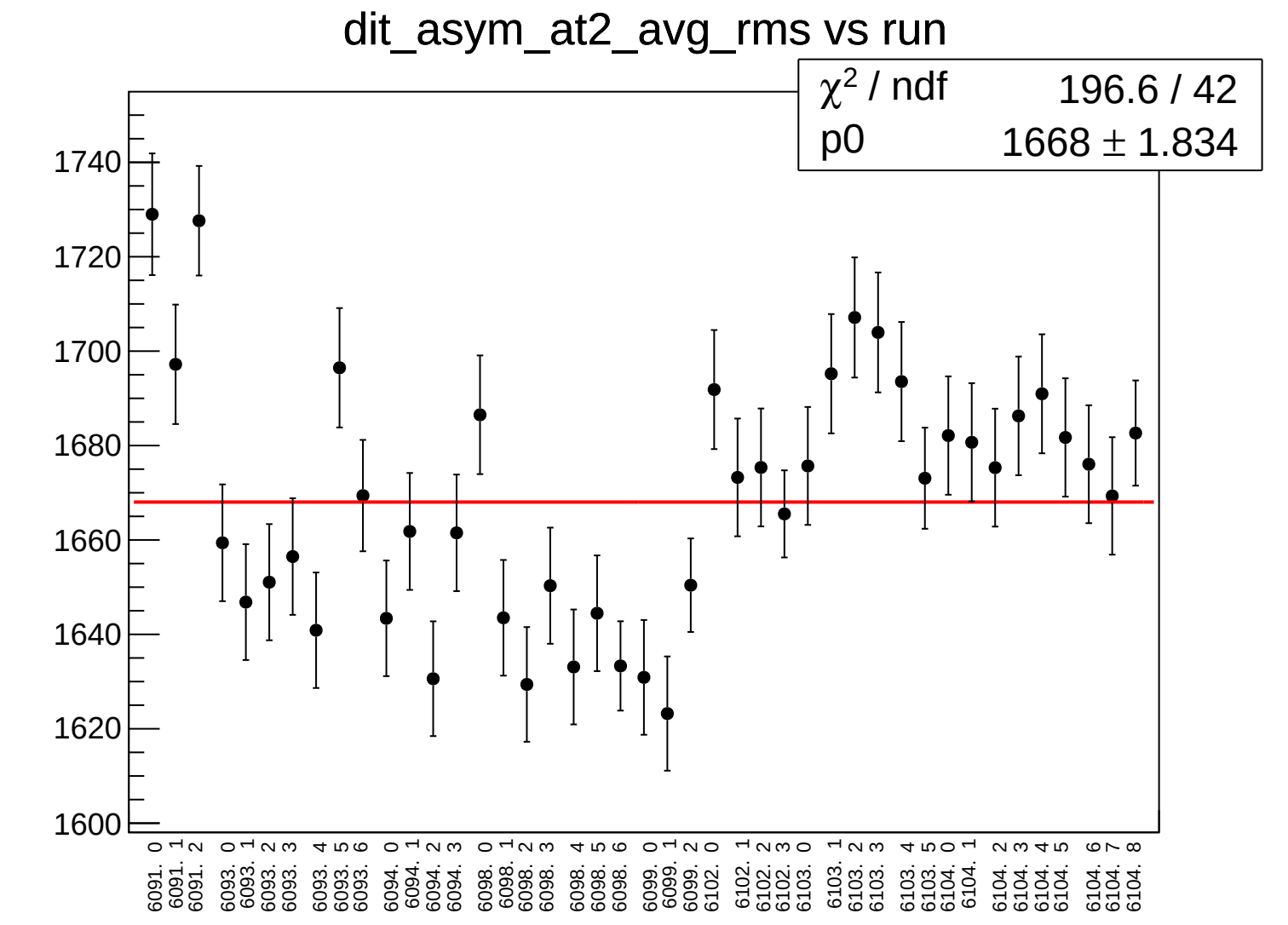

asym_at2_avg_eigen_cor_correction_mean vs run
×10^3
χ² / ndf 39.9 / 42
p0 5847 ± 9992
pull
Entries 43
Mean 20.23
Std Dev 0

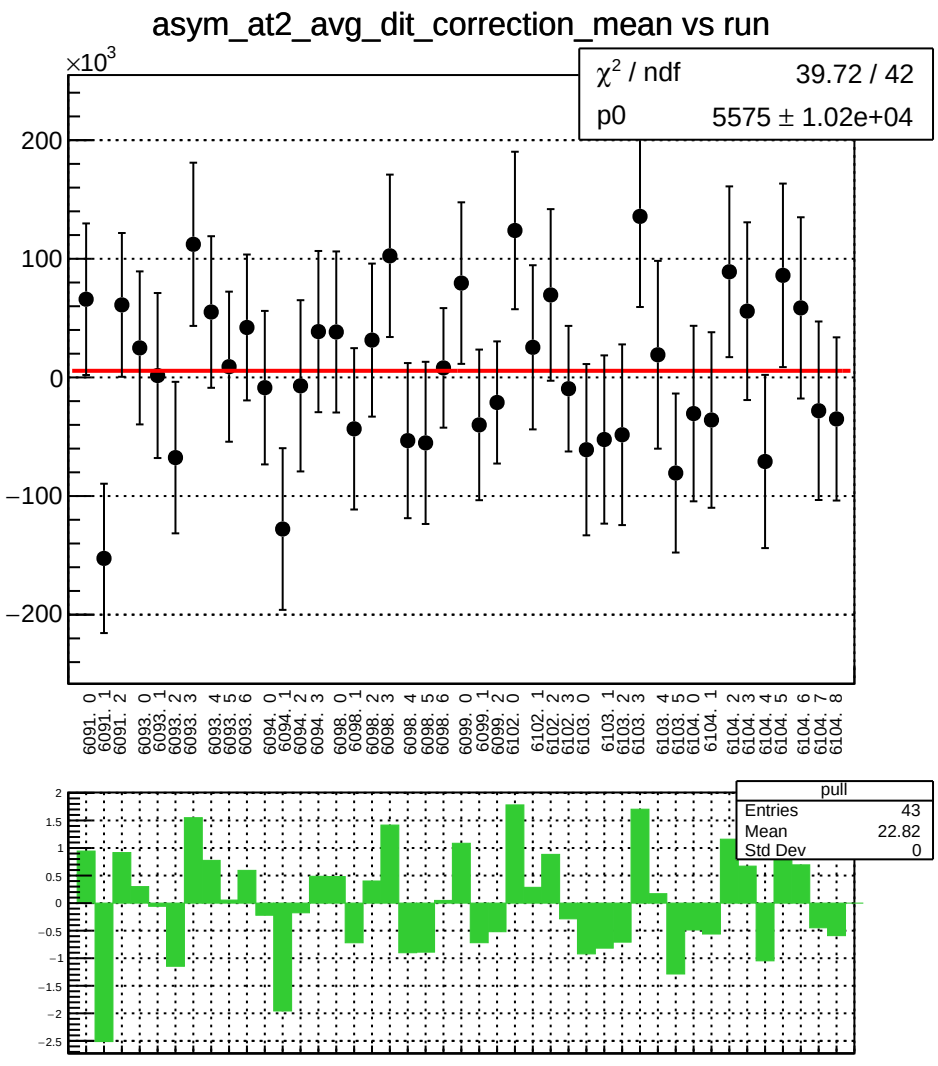

pull1D
Entries 43
Mean 0.009486
Std Dev 0.9632

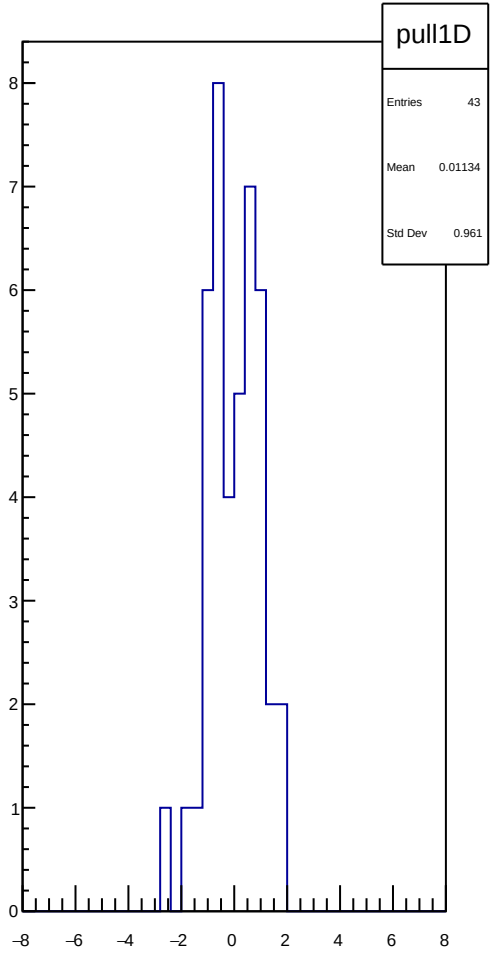

asym_at2_avg_eigen_cor_correction_rms vs run
χ² / ndf 1982 / 42
p0 6420 ± 7.066
7200
7000
6800
6600
6400
6200
6000
5800
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

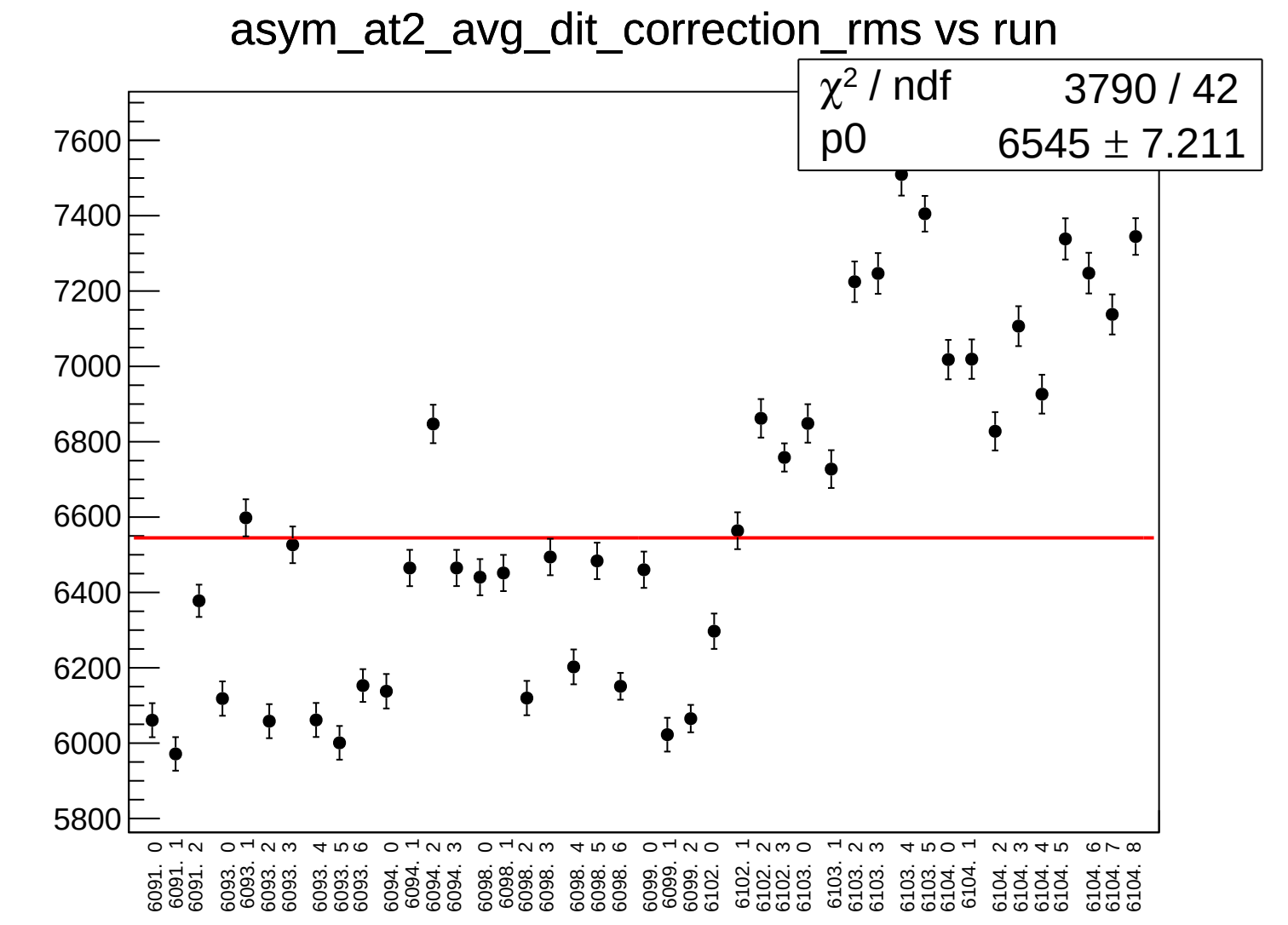

dit_asym_at2_avg_mean vs run
χ² / ndf 44.18 / 42
p0 3434 ± 2593
60000
40000
20000
0
−20000
−40000
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 123.8
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

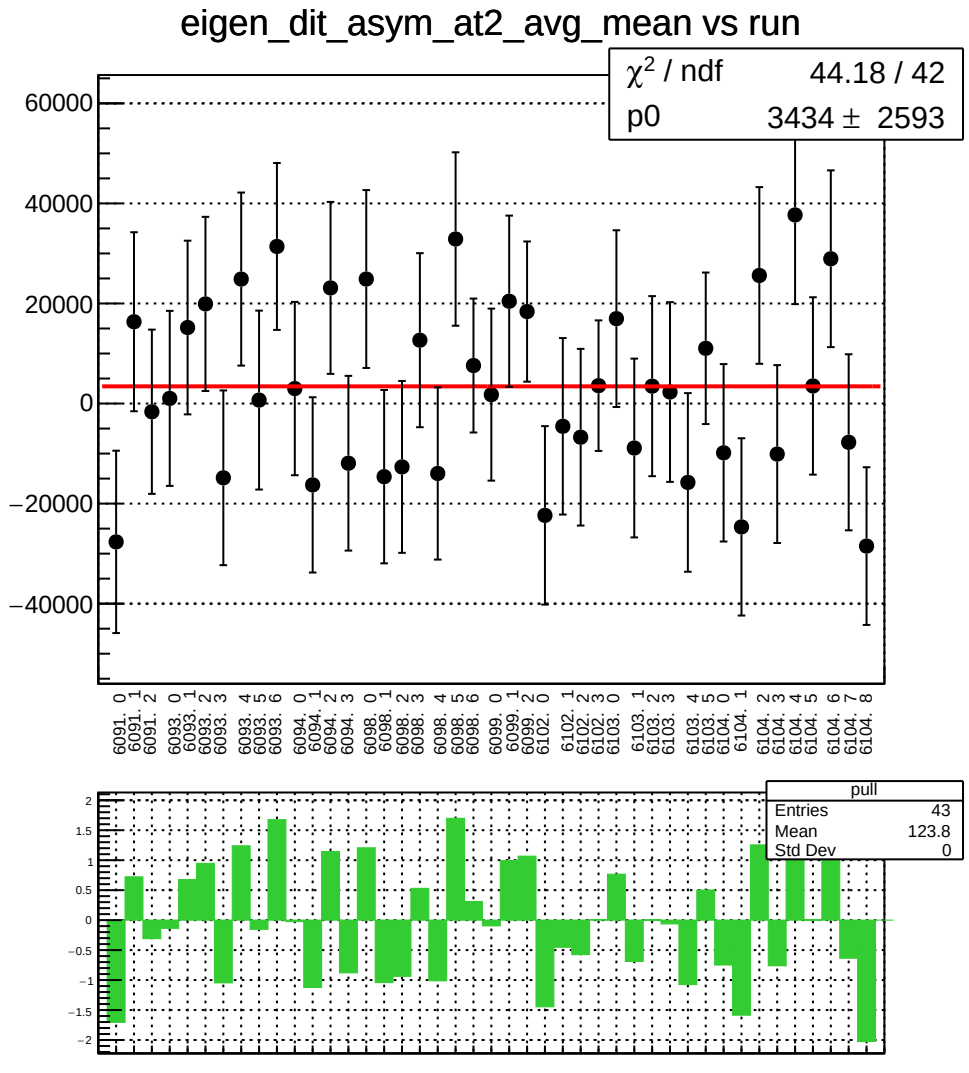

pull1D
Entries 43
Mean −0.009436
Std Dev 1.014
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

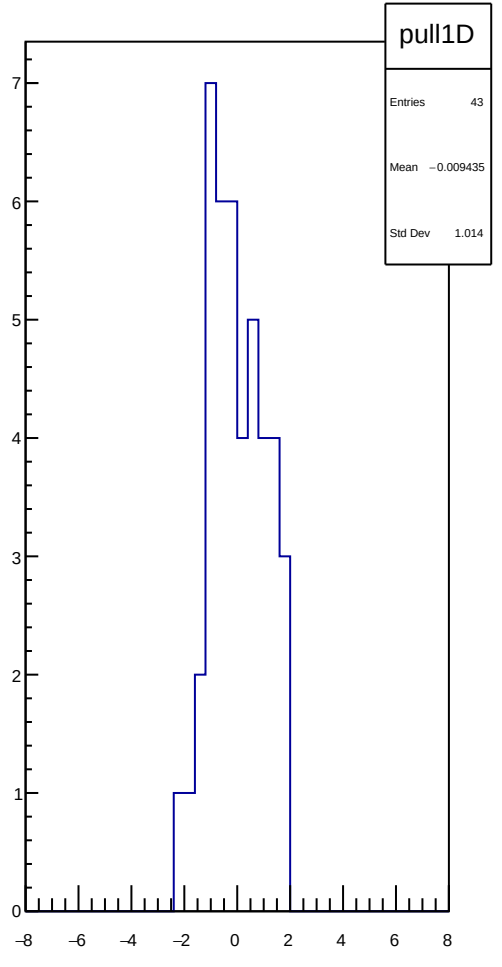

dit_asym_at2_avg_rms vs run
χ² / ndf 196.6 / 42
p0 1668 ± 1.834
1740
1720
1700
1680
1660
1640
1620
1600
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

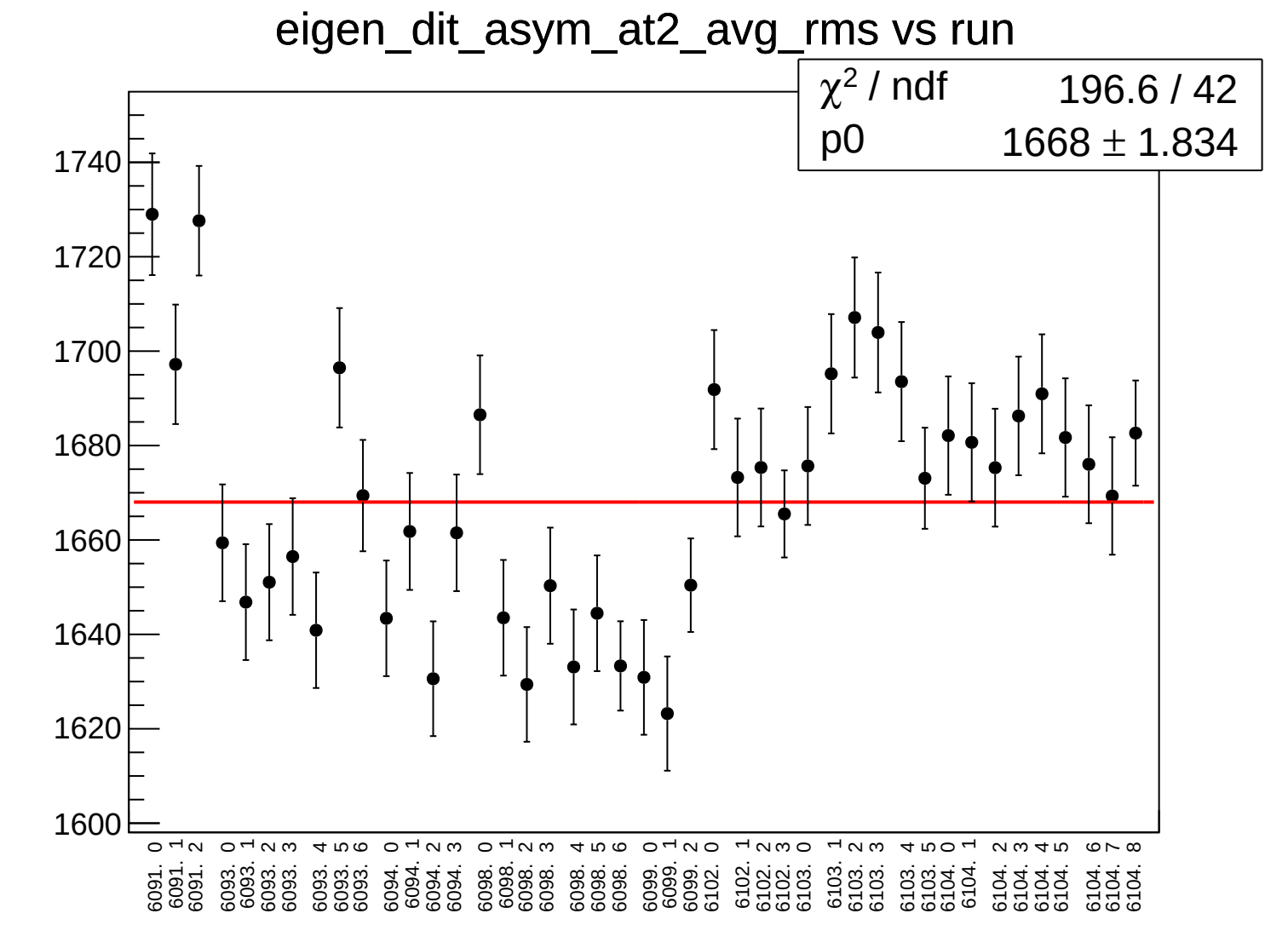

asym_at2_avg_dit_correction_mean vs run
×10^3
χ² / ndf 39.72 / 42
p0 5575 ± 1.02e+04
200
100
0
−100
−200
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 22.82
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5


pull1D
Entries 43
Mean 0.01134
Std Dev 0.961
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


asym_at2_avg_dit_correction_rms vs run
χ² / ndf 3790 / 42
p0 6545 ± 7.211
7600
7400
7200
7000
6800
6600
6400
6200
6000
5800
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8


eigen_dit_asym_at2_avg_mean vs run
χ² / ndf 44.18 / 42
p0 3434 ± 2593
60000
40000
20000
0
−20000
−40000
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 123.8
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2


pull1D
Entries 43
Mean −0.009435
Std Dev 1.014
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 196.6 / 42
p0 1668 ± 1.834
1740
1720
1700
1680
1660
1640
1620
1600
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
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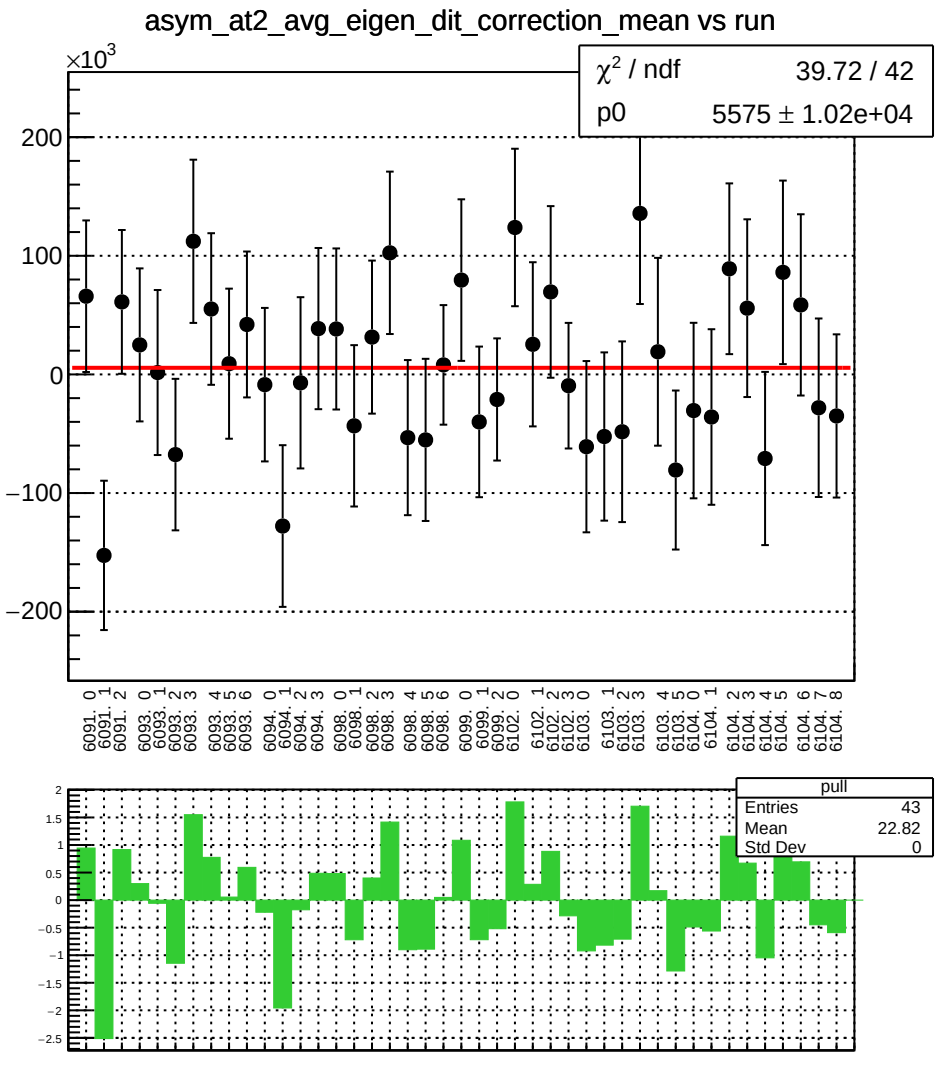
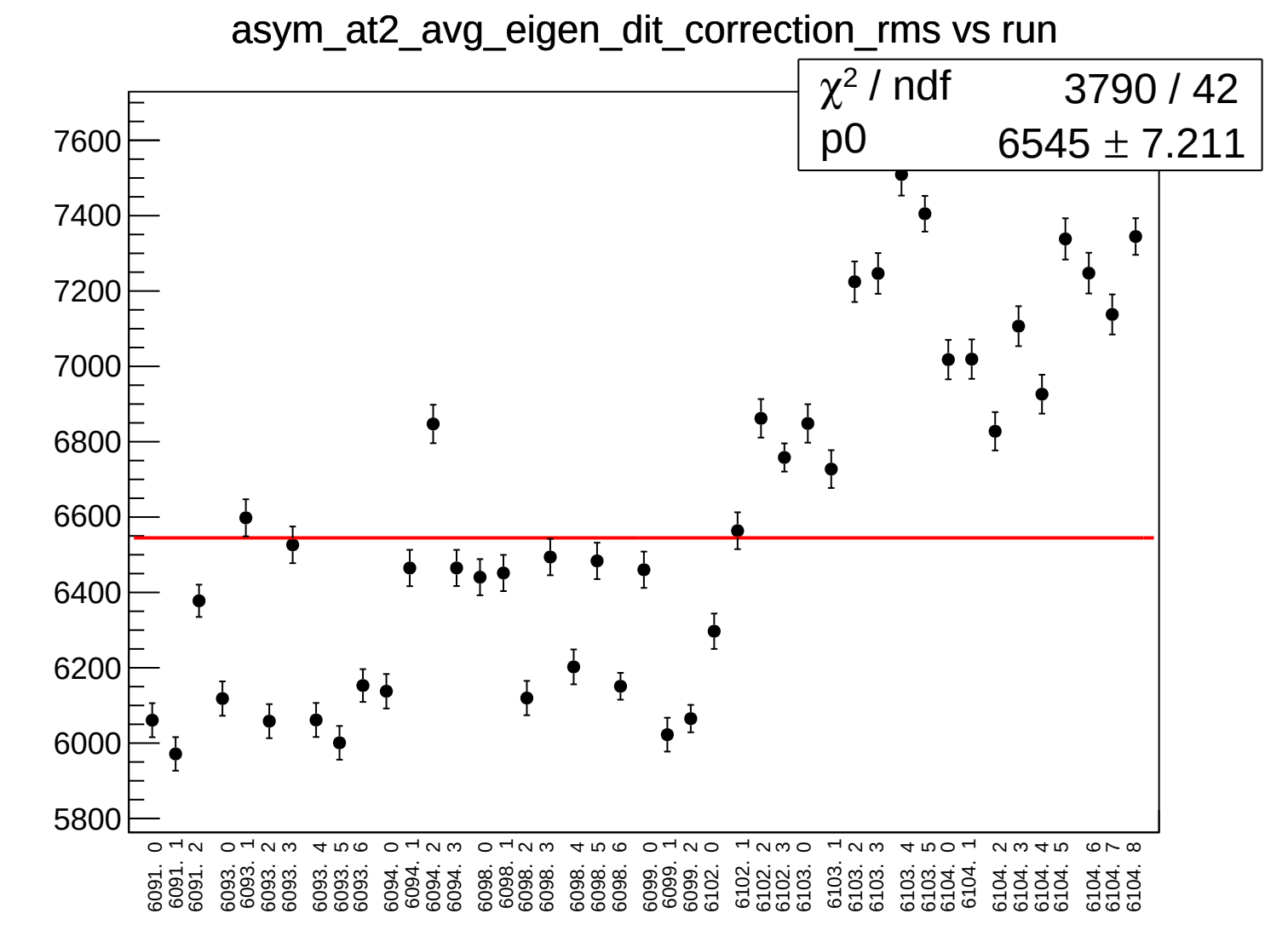
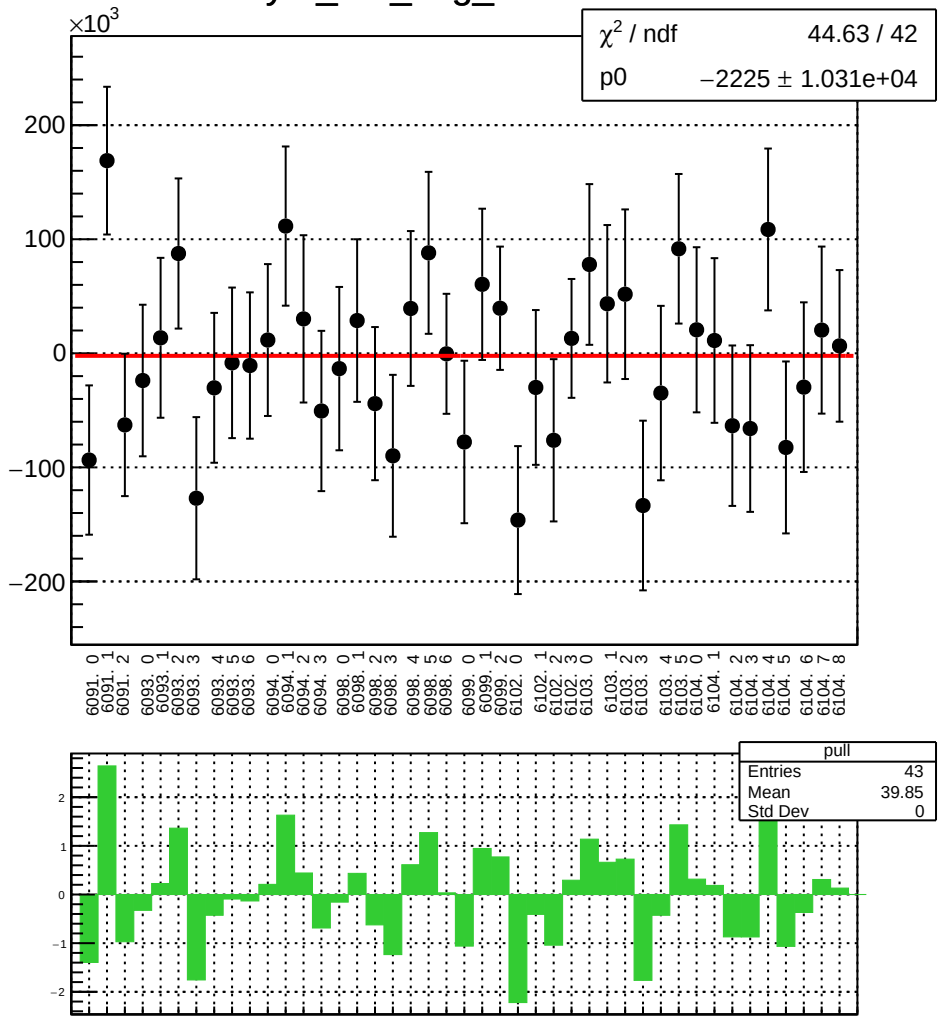
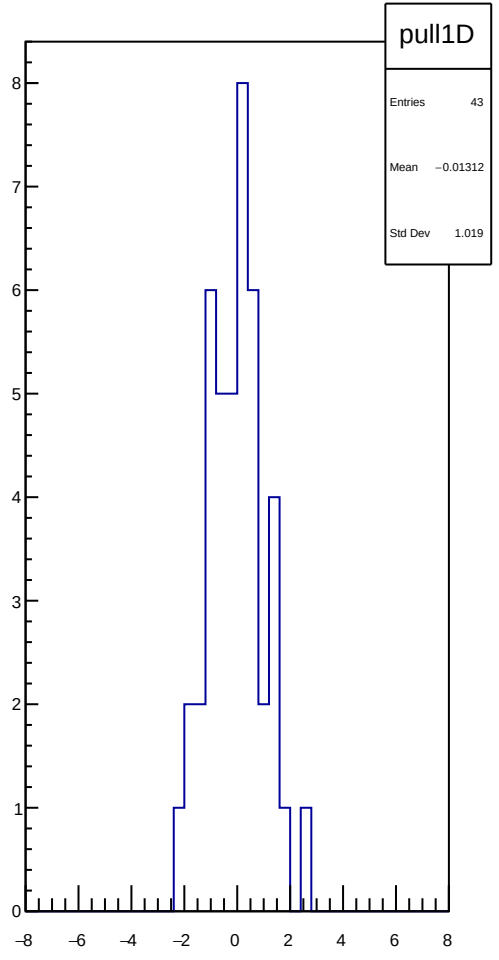
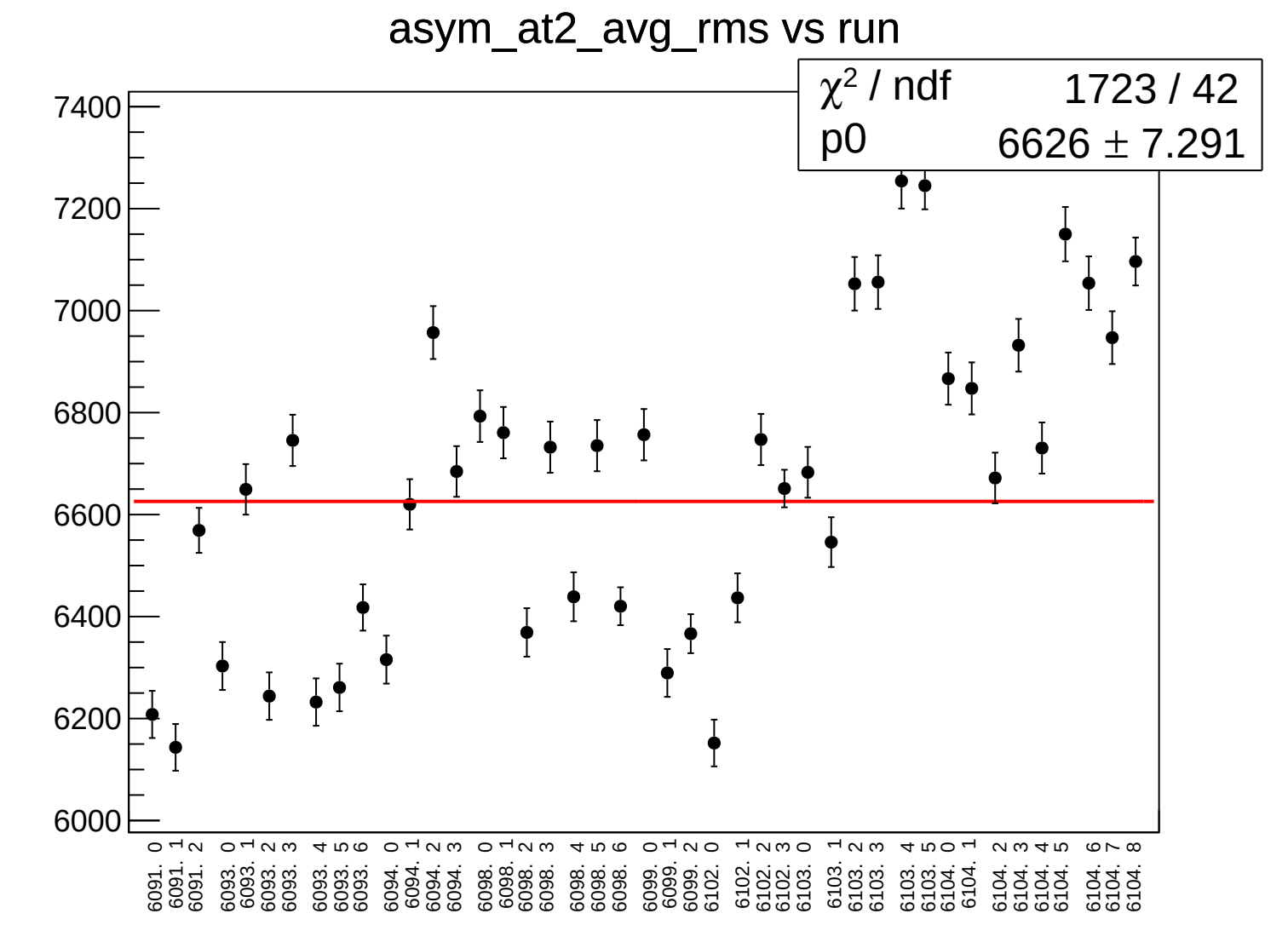
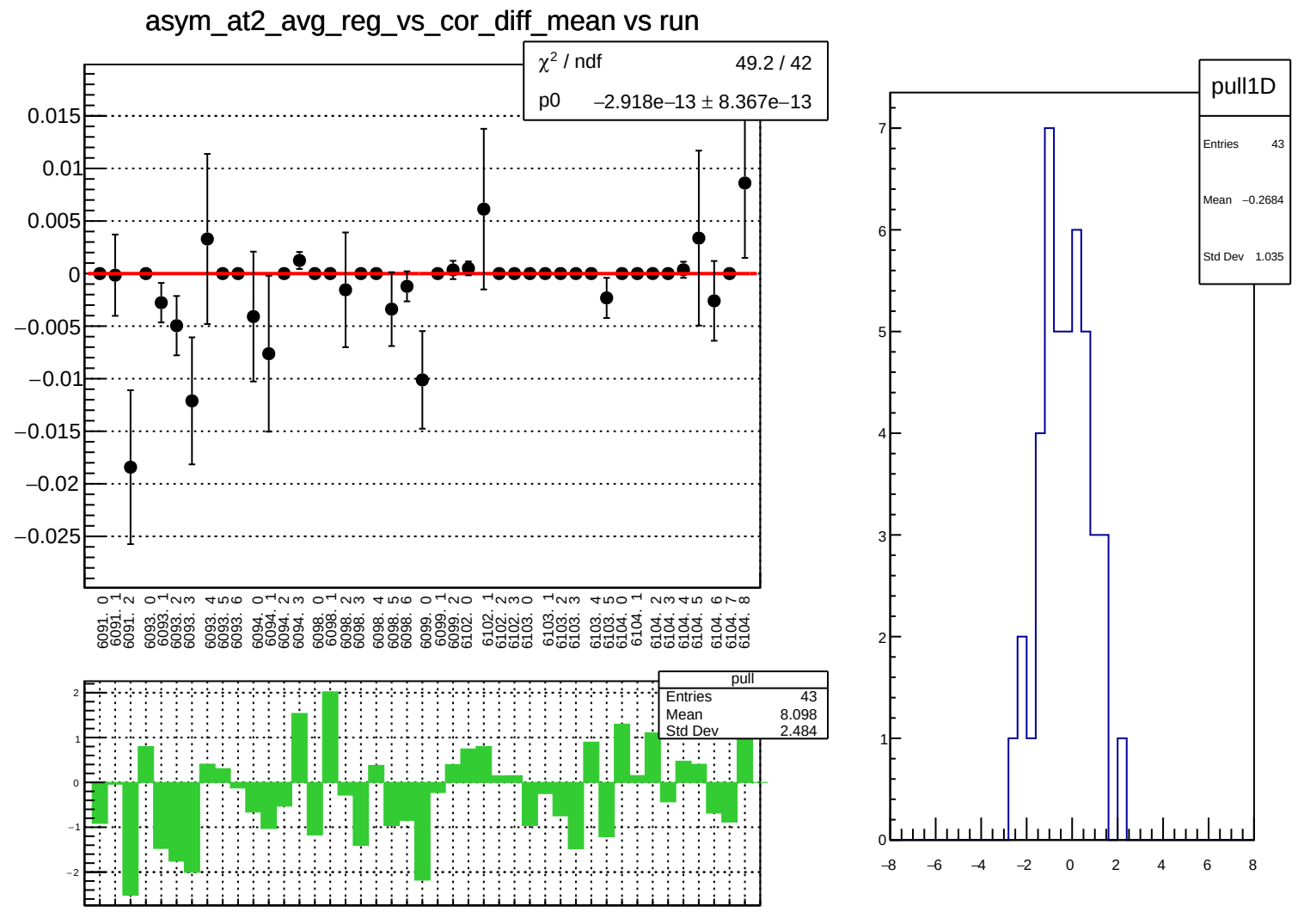

asym_at2_avg_eigen_dit_correction_mean vs run
×10^3
χ² / ndf 39.72 / 42
p0 5575 ± 1.02e+04
200
100
0
−100
−200
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 22.82
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5
pull1D
Entries 43
Mean 0.01134
Std Dev 0.961
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

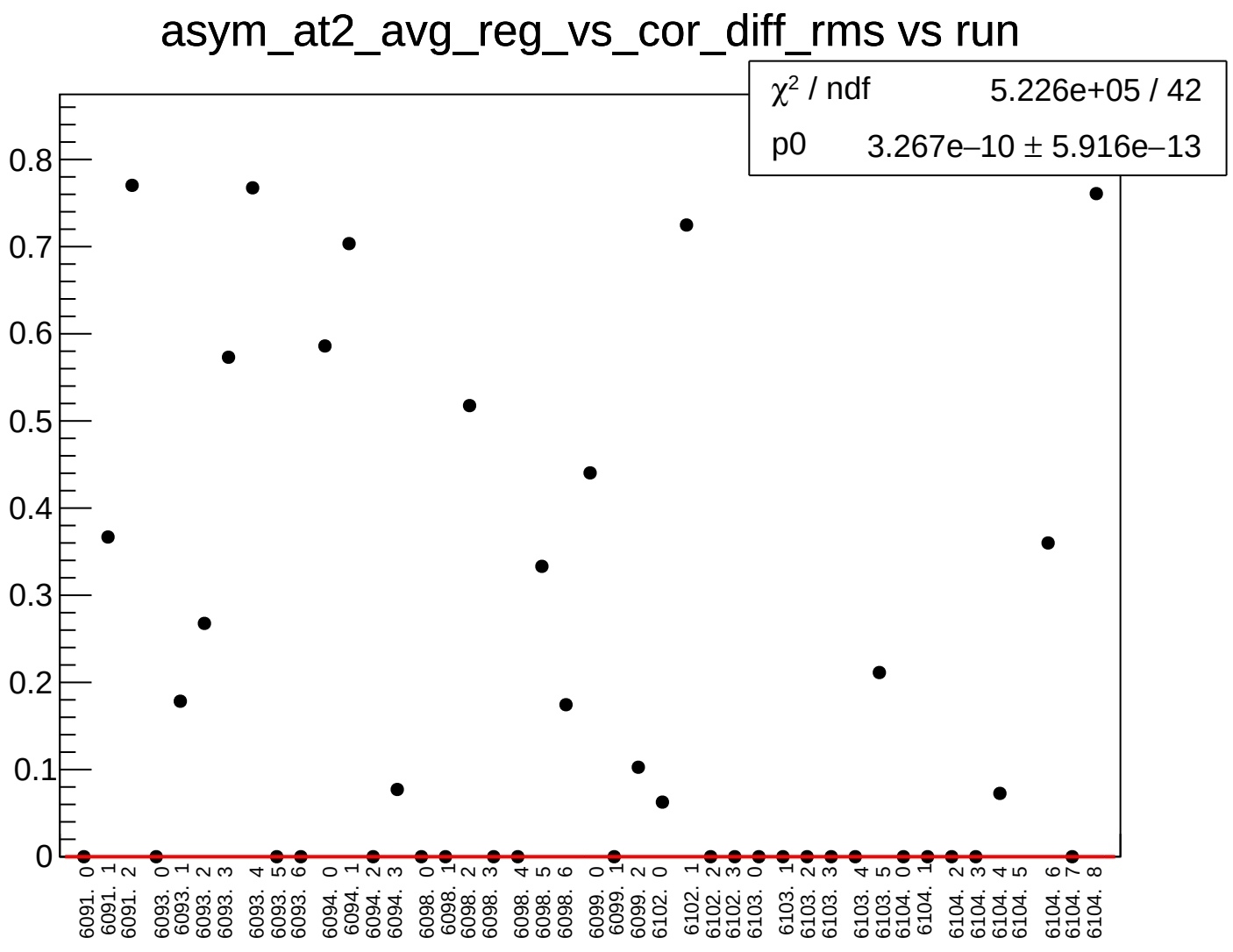

asym_at2_avg_eigen_dit_correction_rms vs run
χ² / ndf 3790 / 42
p0 6545 ± 7.211
7600
7400
7200
7000
6800
6600
6400
6200
6000
5800
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

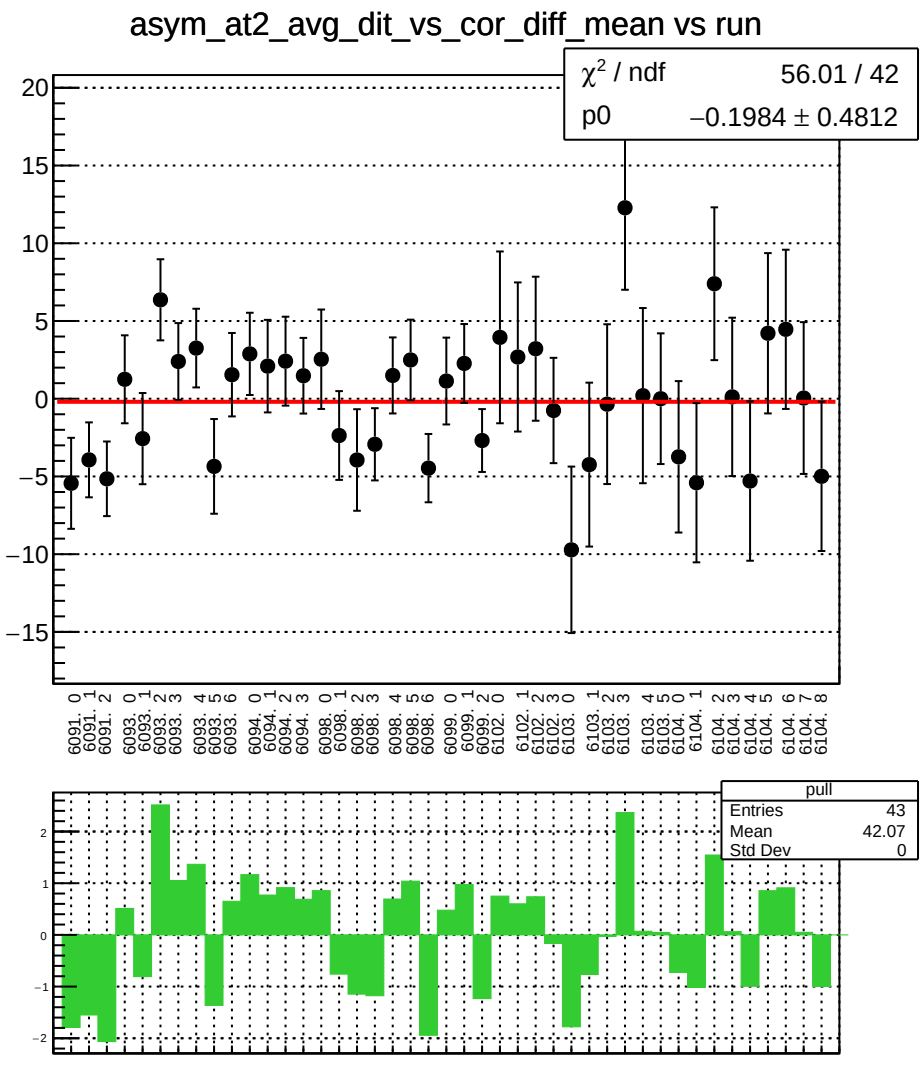

asym_at2_avg_mean vs run
×10^3
χ² / ndf 44.63 / 42
p0 −2225 ± 1.031e+04
200
100
0
−100
−200
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 39.85
Std Dev 0
2
1
0
−1
−2

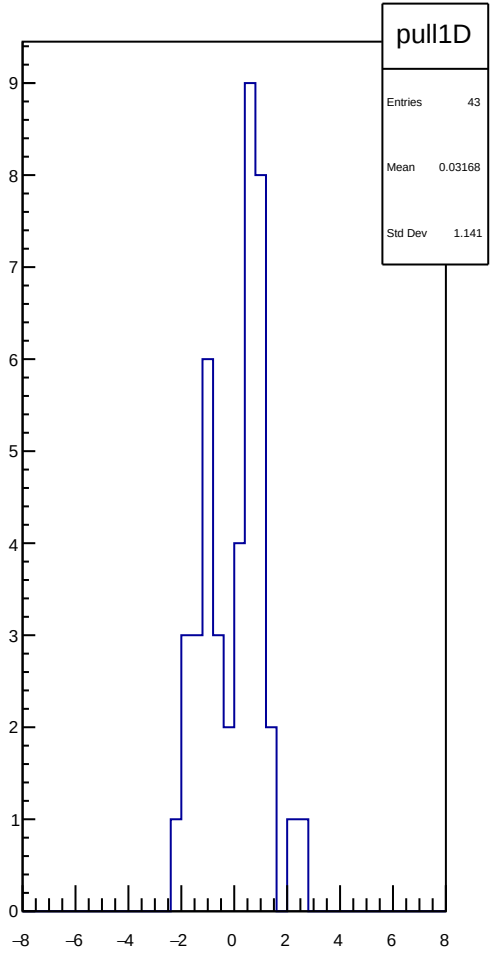

pull1D
Entries 43
Mean −0.01312
Std Dev 1.019
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

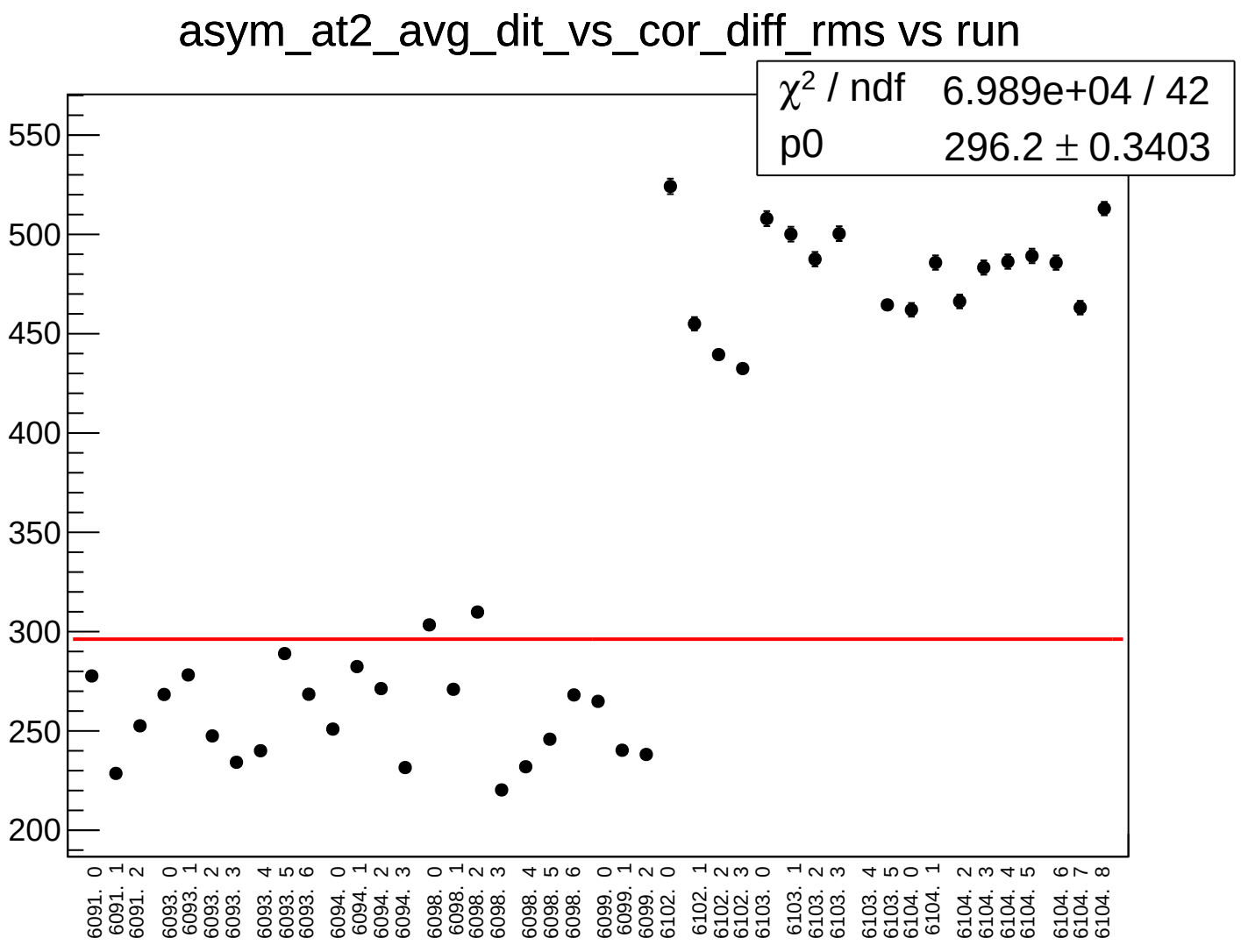

asym_at2_avg_rms vs run
χ² / ndf 1723 / 42
p0 6626 ± 7.291
7400
7200
7000
6800
6600
6400
6200
6000
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

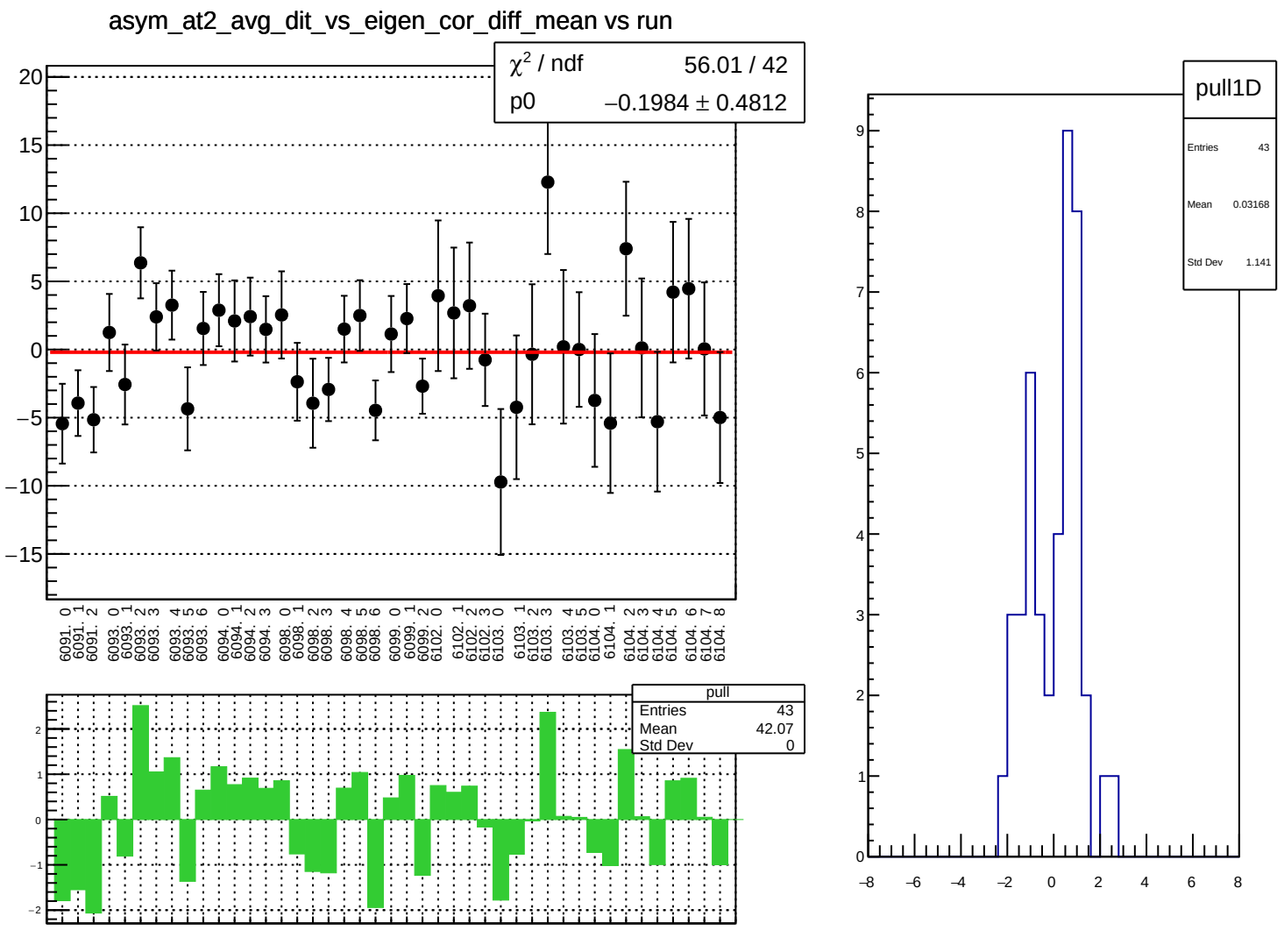

asym_at2_avg_reg_vs_cor_diff_mean vs run
χ² / ndf 49.2 / 42
p0 −2.918e−13 ± 8.367e−13
0.015
0.01
0.005
0
−0.005
−0.01
−0.015
−0.02
−0.025
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 8.098
Std Dev 2.484
2
1
0
−1
−2
pull1D
Entries 43
Mean −0.2684
Std Dev 1.035
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

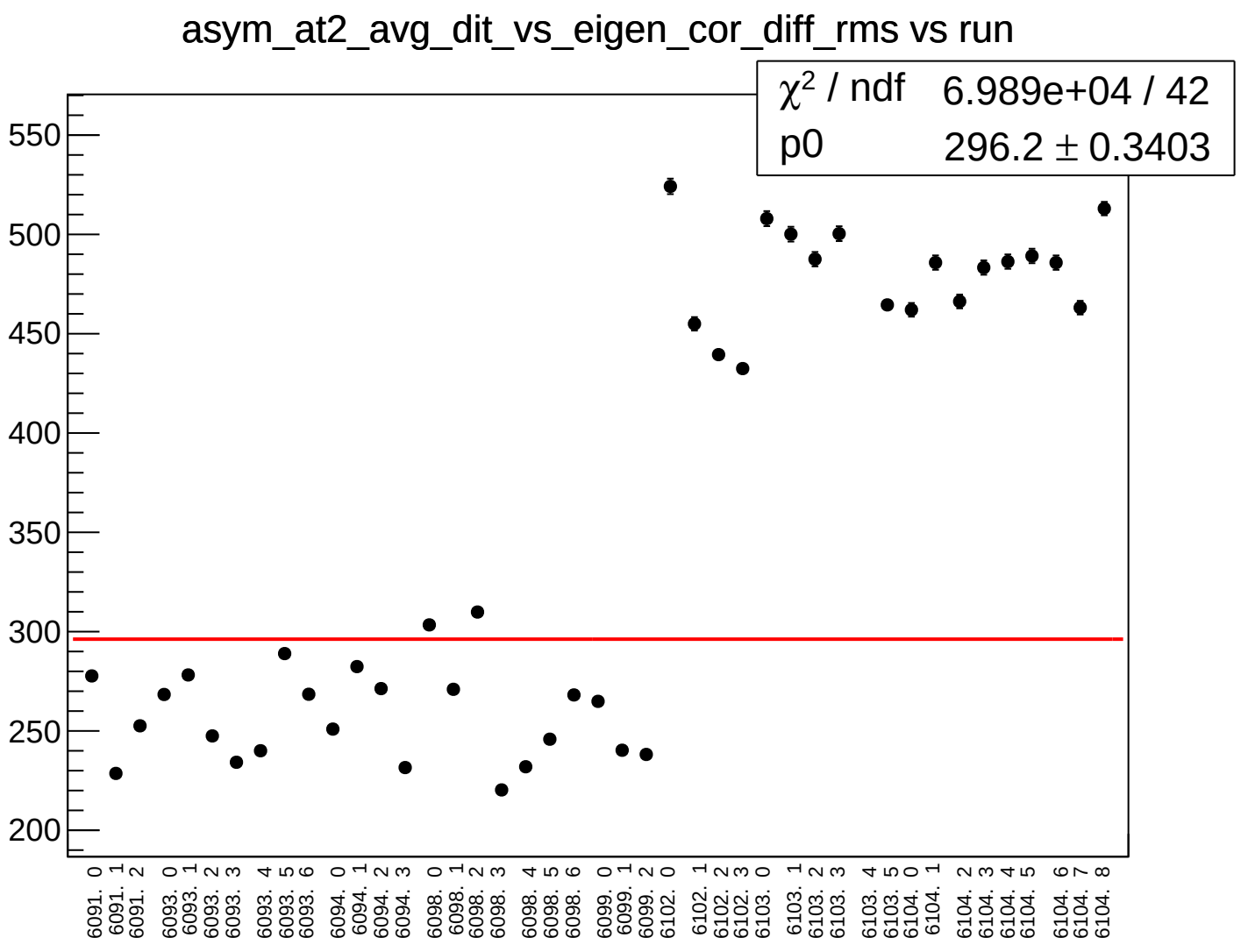

asym_at2_avg_reg_vs_cor_diff_rms vs run
χ² / ndf 5.226e+05 / 42
p0 3.267e−10 ± 5.916e−13
0
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

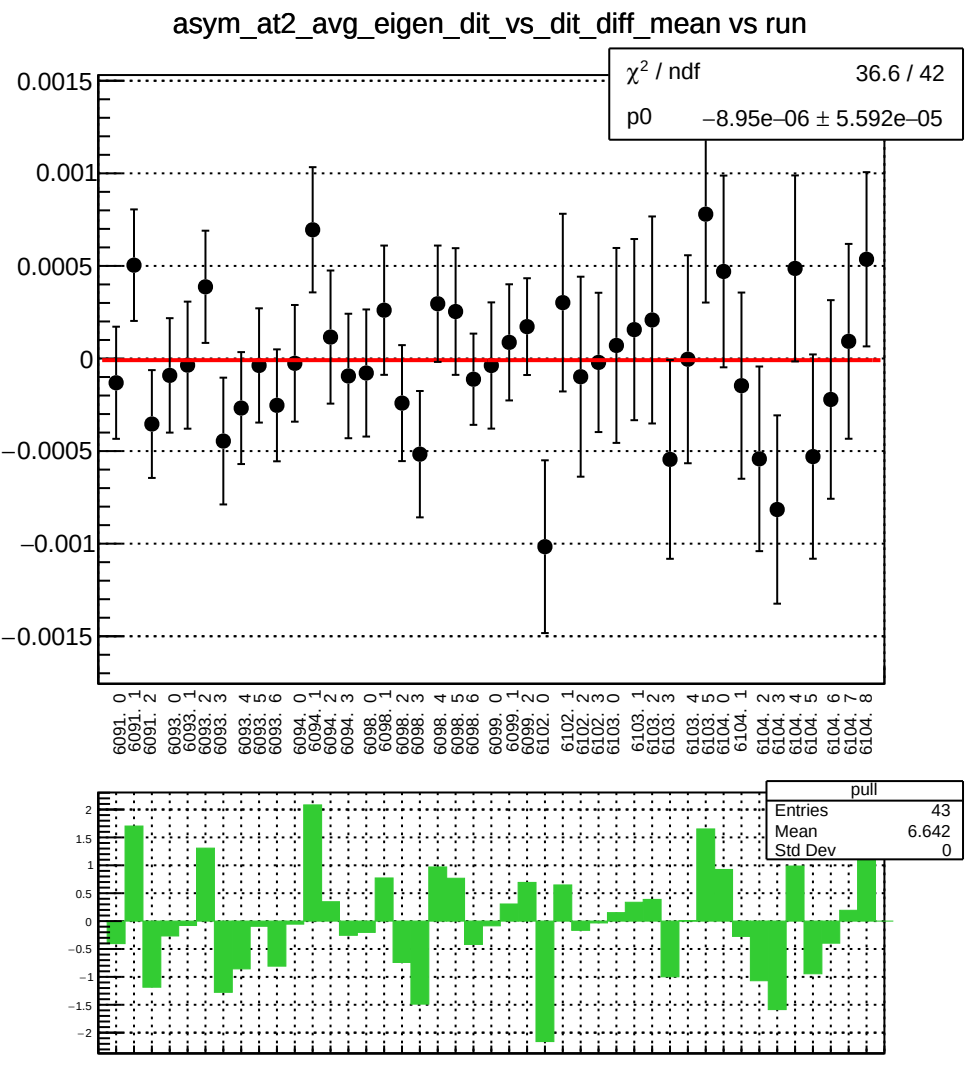

asym_at2_avg_dit_vs_cor_diff_mean vs run
χ² / ndf 56.01 / 42
p0 −0.1984 ± 0.4812
pull
Entries 43
Mean 42.07
Std Dev 0

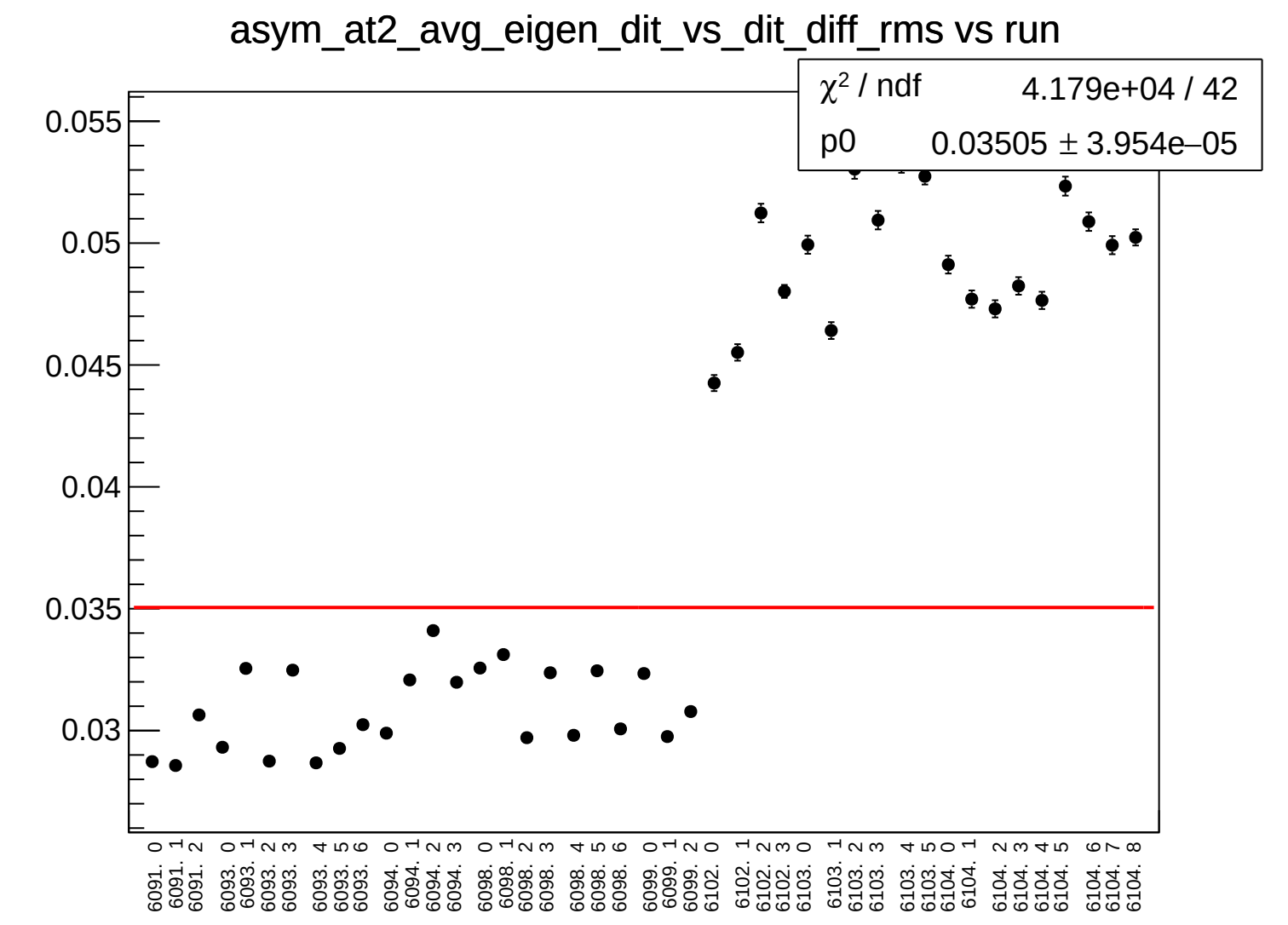

pull1D
Entries 43
Mean 0.03168
Std Dev 1.141

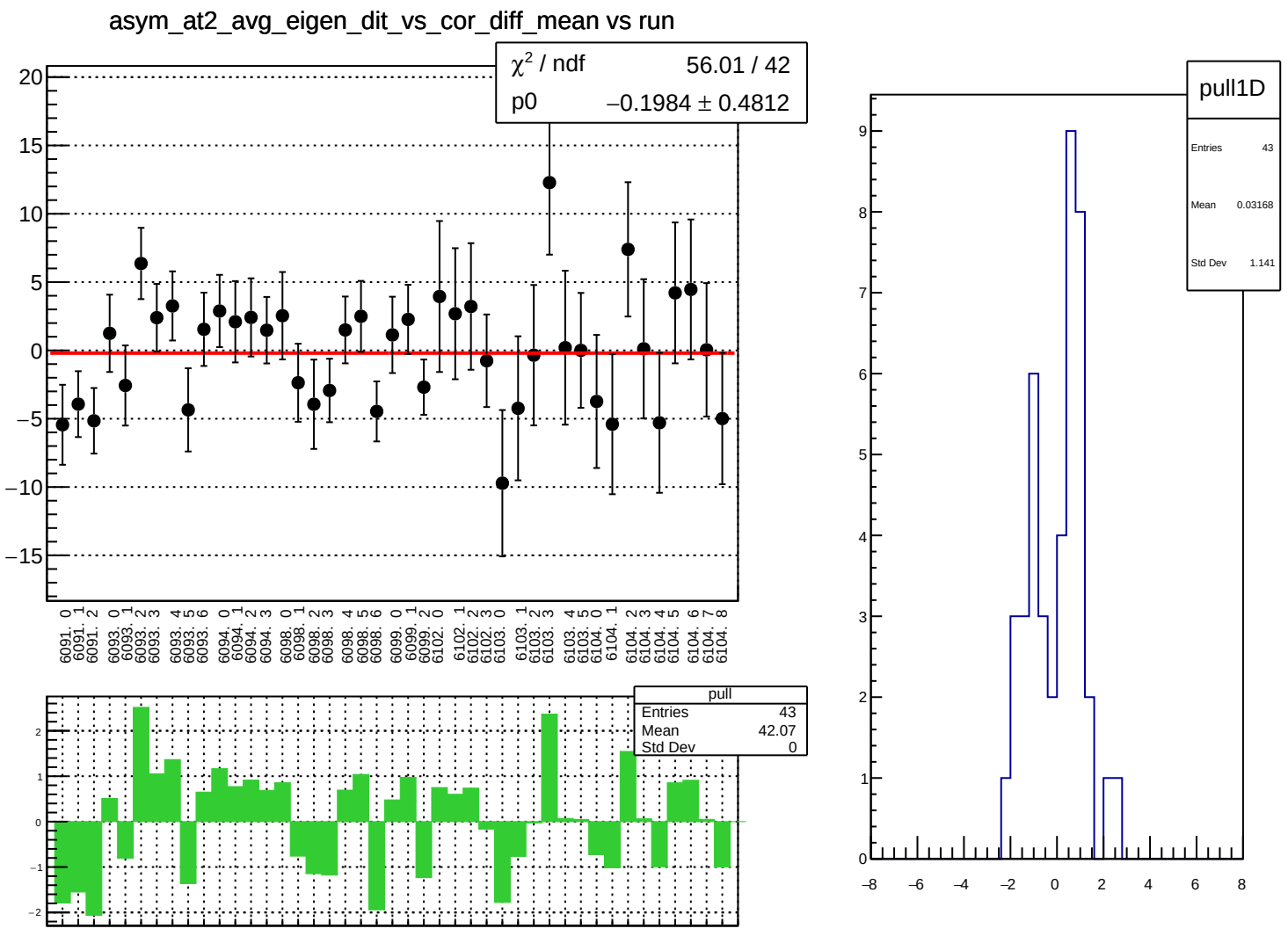

asym_at2_avg_dit_vs_cor_diff_rms vs run
χ² / ndf 6.989e+04 / 42
p0 296.2 ± 0.3403
550
500
450
400
350
300
250
200
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

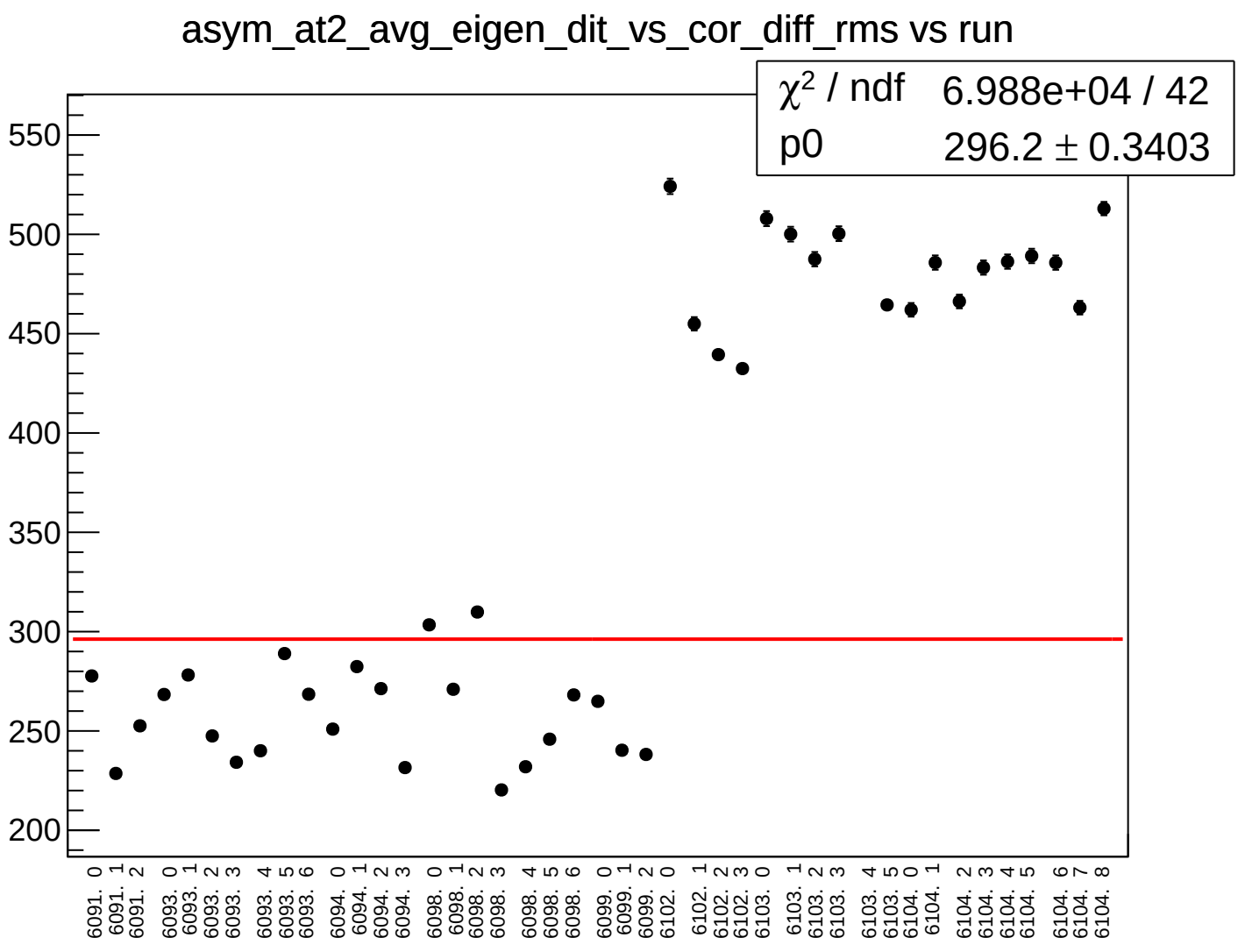

asym_at2_avg_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 56.01 / 42
p0 −0.1984 ± 0.4812
pull
Entries 43
Mean 42.07
Std Dev 0
pull1D
Entries 43
Mean 0.03168
Std Dev 1.141

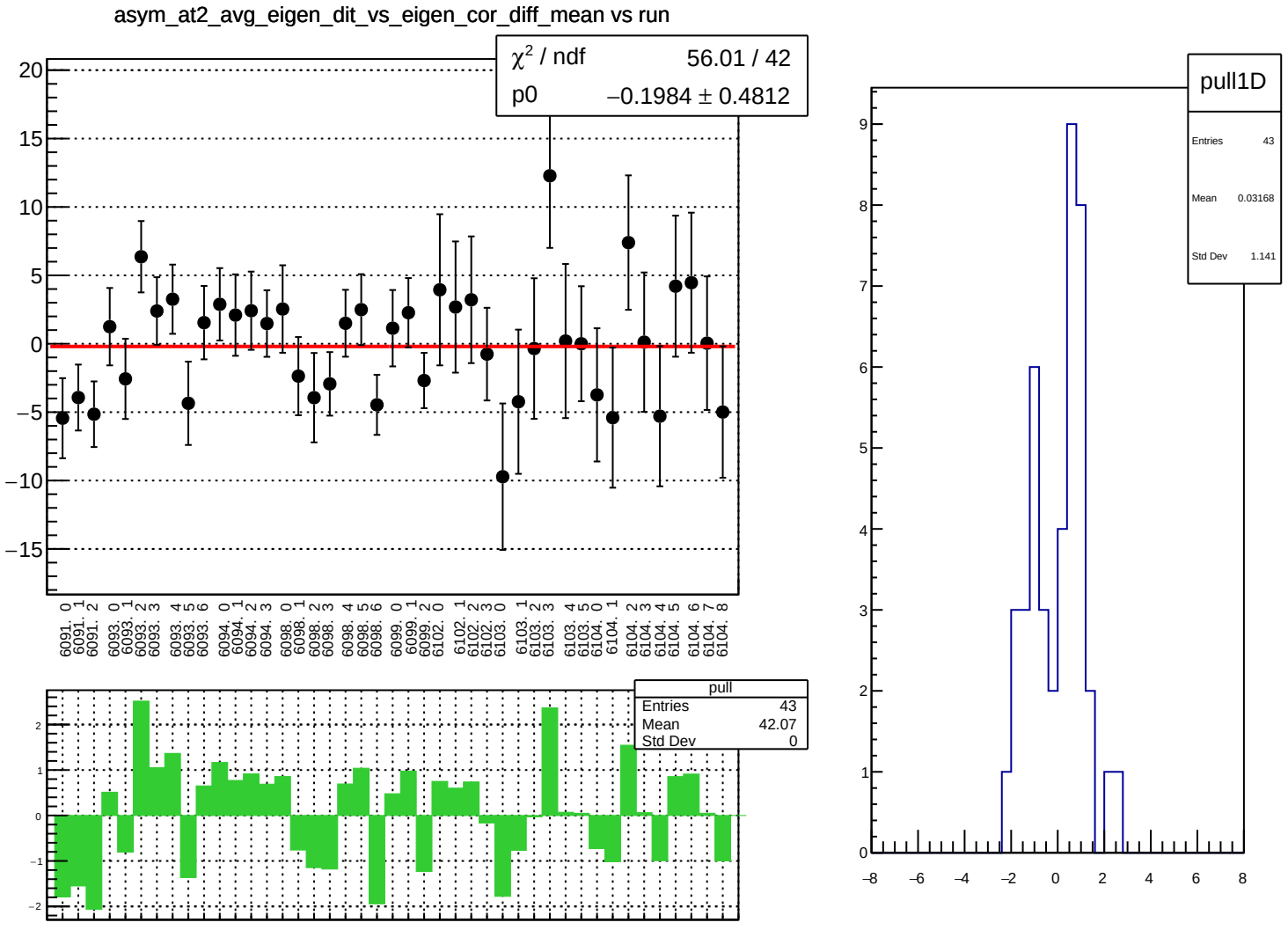

asym_at2_avg_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 6.989e+04 / 42
p0 296.2 ± 0.3403
550
500
450
400
350
300
250
200
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

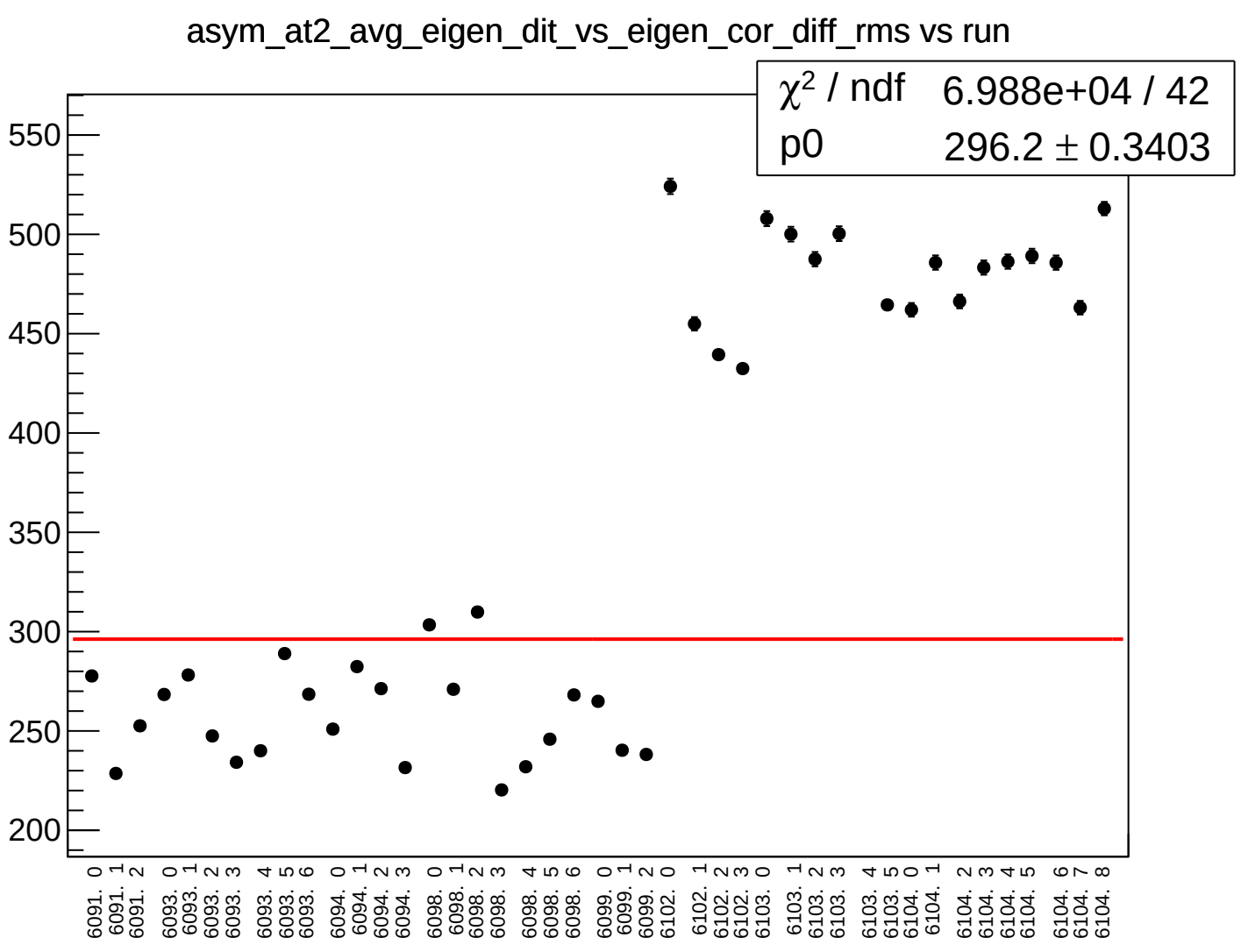

asym_at2_avg_eigen_dit_vs_dit_diff_mean vs run
χ² / ndf 36.6 / 42
p0 −8.95e−06 ± 5.592e−05
0.0015
0.001
0.0005
0
−0.0005
−0.001
−0.0015
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 6.642
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 43
Mean −0.01006
Std Dev 0.9225
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

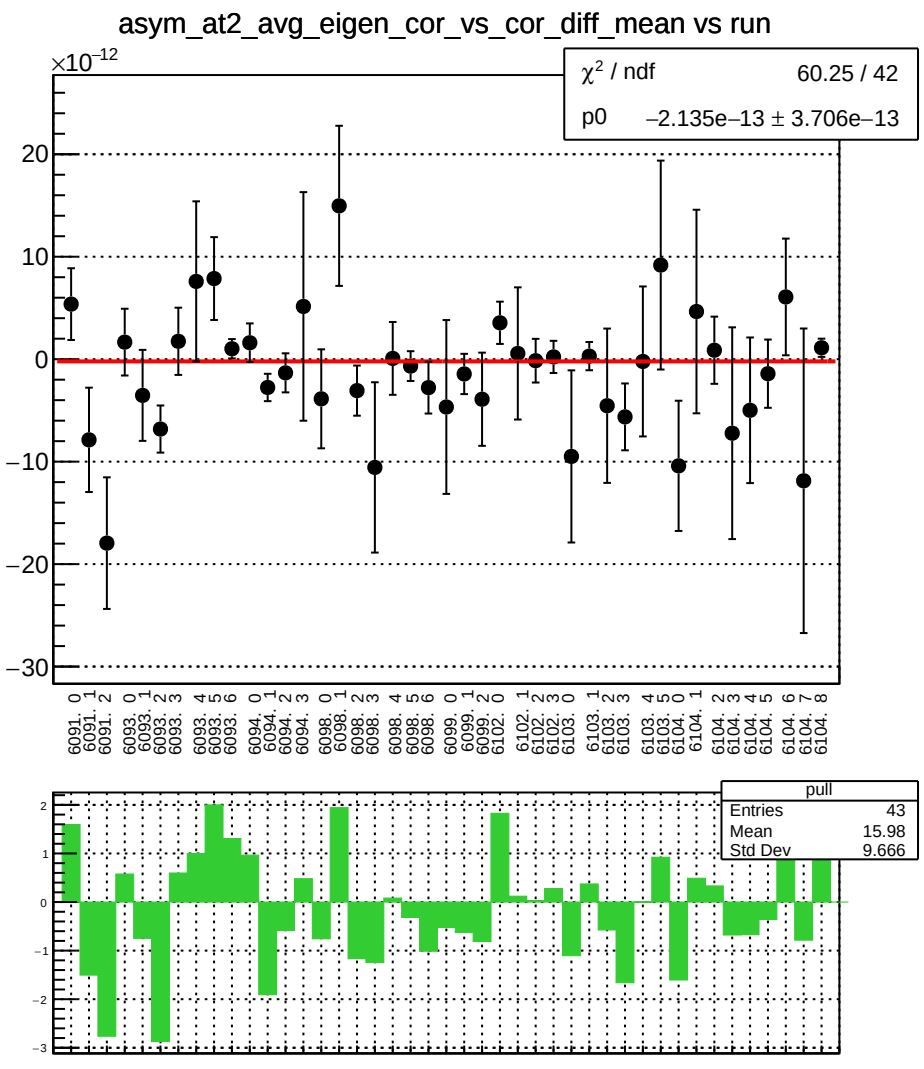

asym_at2_avg_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 4.179e+04 / 42
p0 0.03505 ± 3.954e−05
0.055
0.05
0.045
0.04
0.035
0.03
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

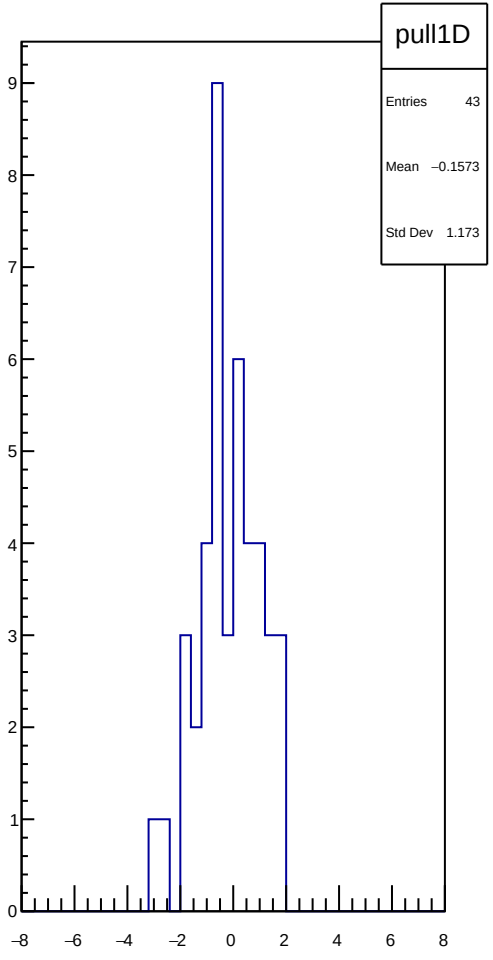

asym_at2_avg_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 56.01 / 42
p0 −0.1984 ± 0.4812
pull
Entries 43
Mean 42.07
Std Dev 0
pull1D
Entries 43
Mean 0.03168
Std Dev 1.141

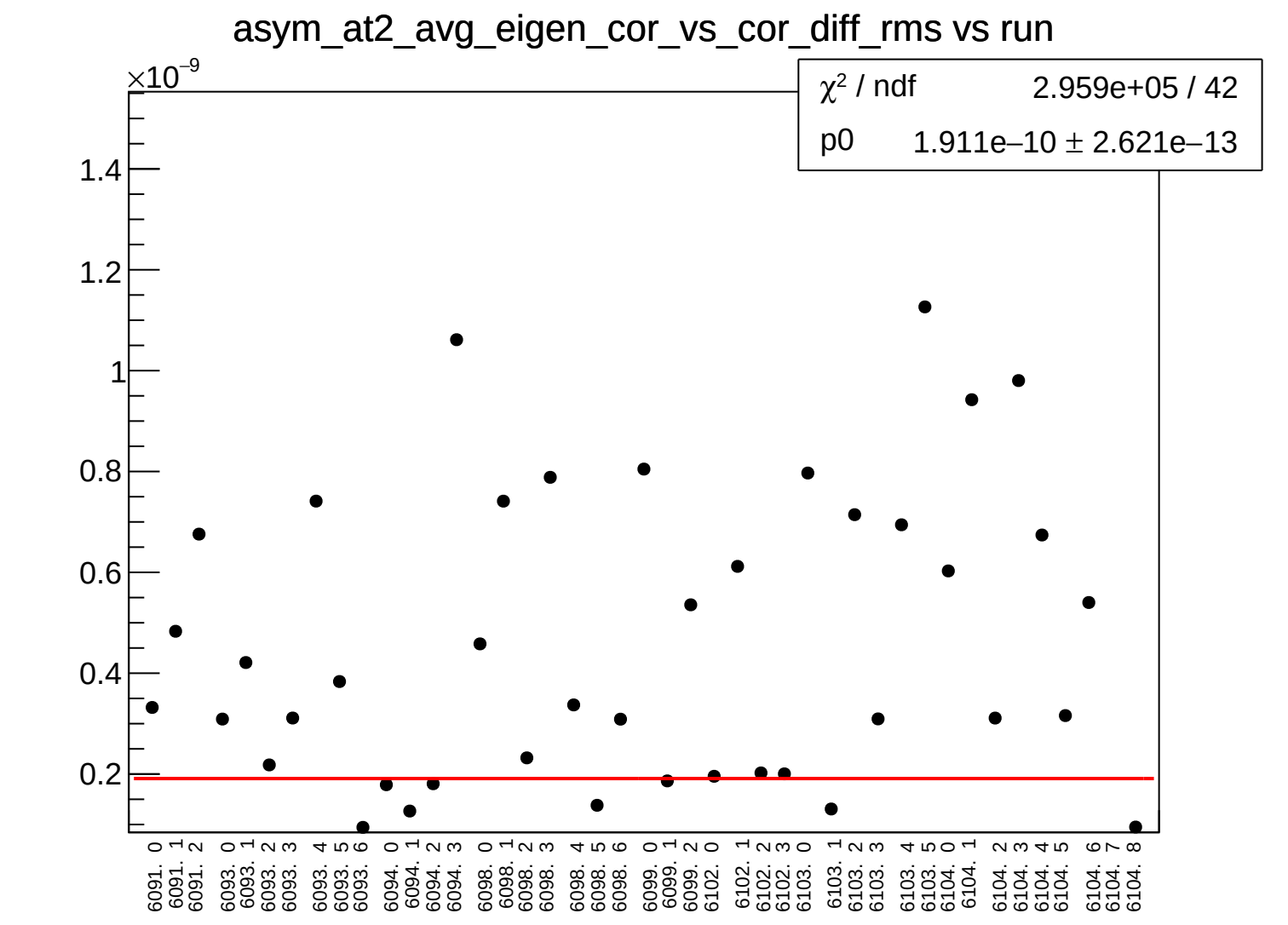

asym_at2_avg_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 6.988e+04 / 42
p0 296.2 ± 0.3403
550
500
450
400
350
300
250
200
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

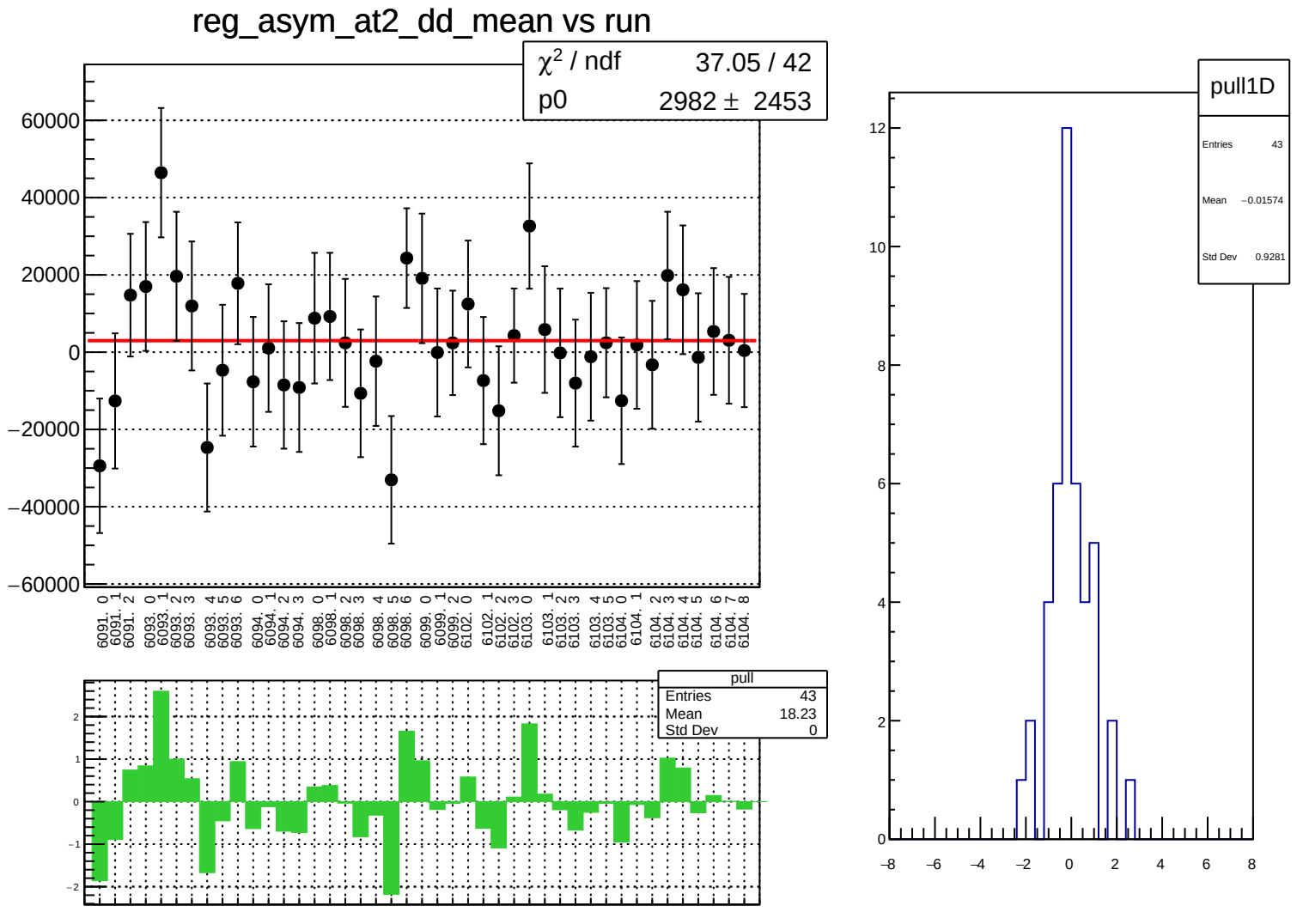

asym_at2_avg_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 56.01 / 42
p0 −0.1984 ± 0.4812
pull
Entries 43
Mean 42.07
Std Dev 0
pull1D
Entries 43
Mean 0.03168
Std Dev 1.141

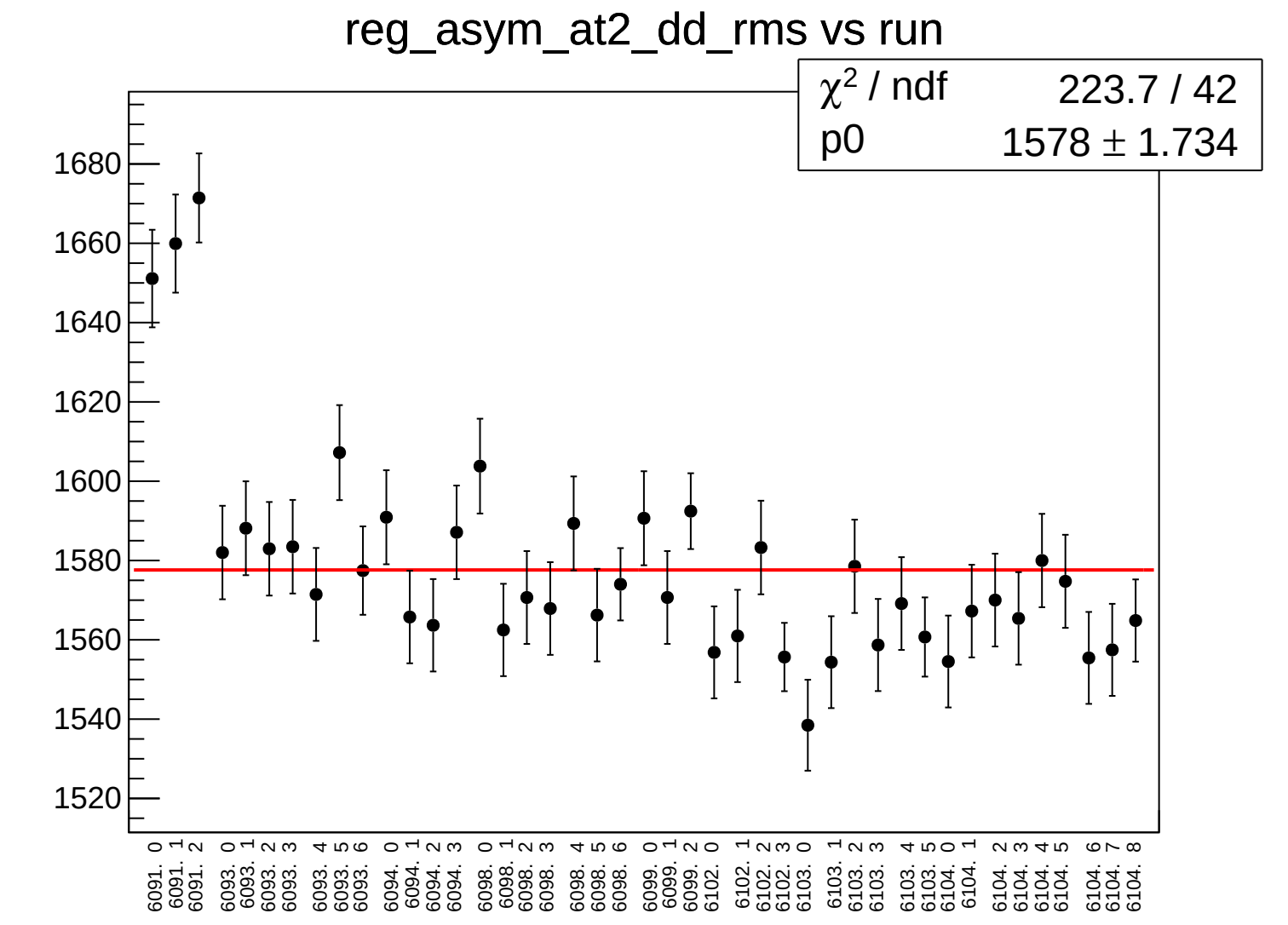

asym_at2_avg_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 6.988e+04 / 42
p0 296.2 ± 0.3403
550
500
450
400
350
300
250
200
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

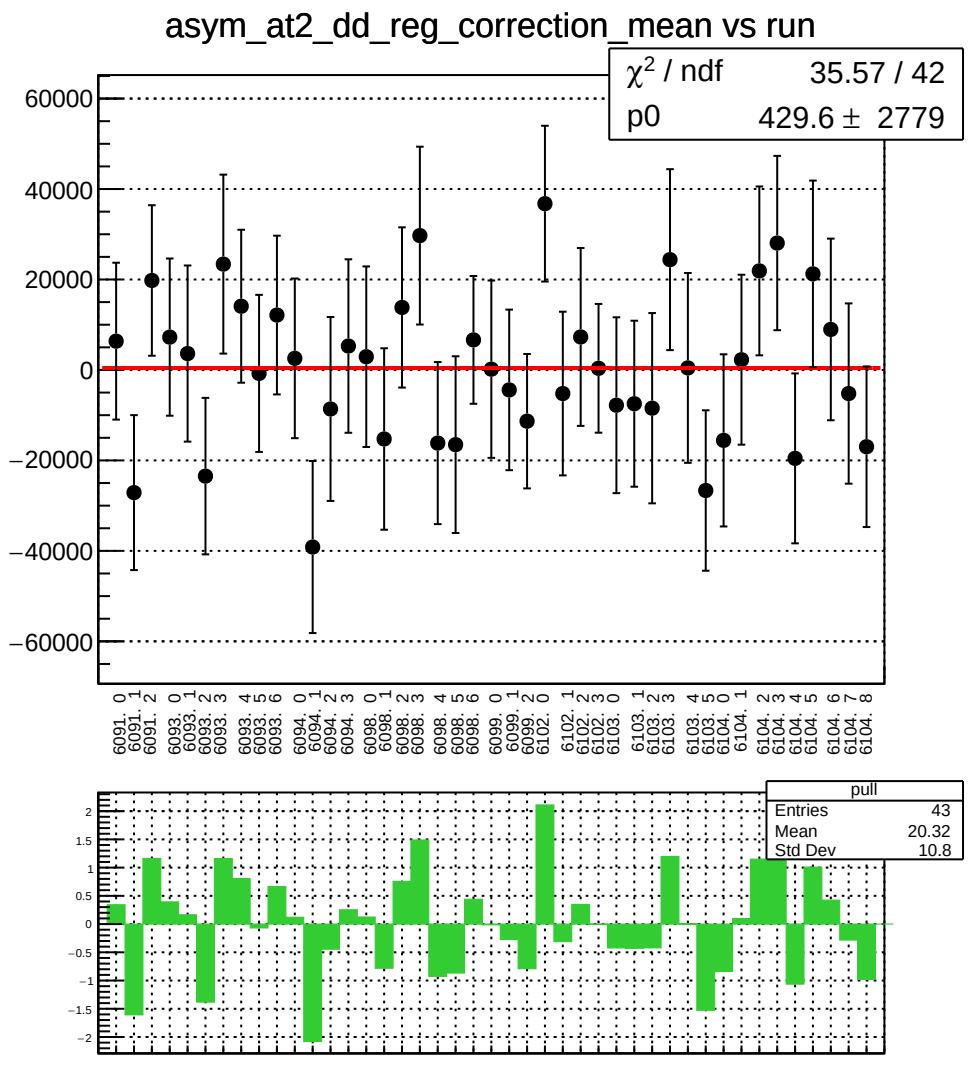

asym_at2_avg_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 60.25 / 42
p0 −2.135e−13 ± 3.706e−13
pull
Entries 43
Mean 15.98
Std Dev 9.666


pull1D
Entries 43
Mean −0.1573
Std Dev 1.173


asym_at2_avg_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 2.959e+05 / 42
p0 1.911e−10 ± 2.621e−13
1.4
1.2
1
0.8
0.6
0.4
0.2
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8


reg_asym_at2_dd_mean vs run
χ² / ndf 37.05 / 42
p0 2982 ± 2453
60000
40000
20000
0
−20000
−40000
−60000
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 18.23
Std Dev 0
2
1
0
−1
−2
pull1D
Entries 43
Mean −0.01574
Std Dev 0.9281
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


reg_asym_at2_dd_rms vs run
χ² / ndf 223.7 / 42
p0 1578 ± 1.734
1680
1660
1640
1620
1600
1580
1560
1540
1520
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8


asym_at2_dd_reg_correction_mean vs run
χ² / ndf 35.57 / 42
p0 429.6 ± 2779
60000
40000
20000
0
−20000
−40000
−60000
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
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6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 20.32
Std Dev 10.8
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 43
Mean 0.003052
Std Dev 0.9095
9
8
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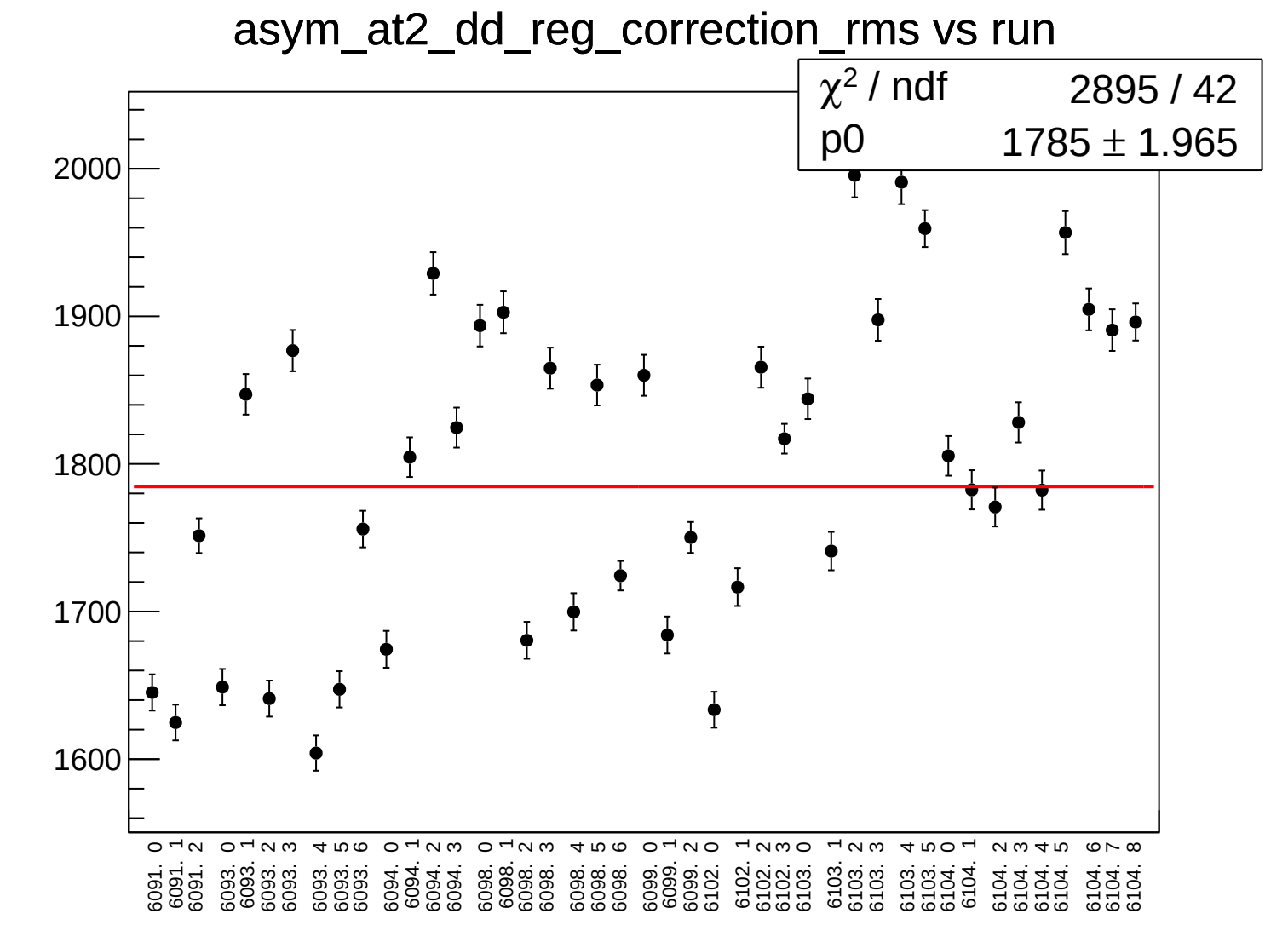
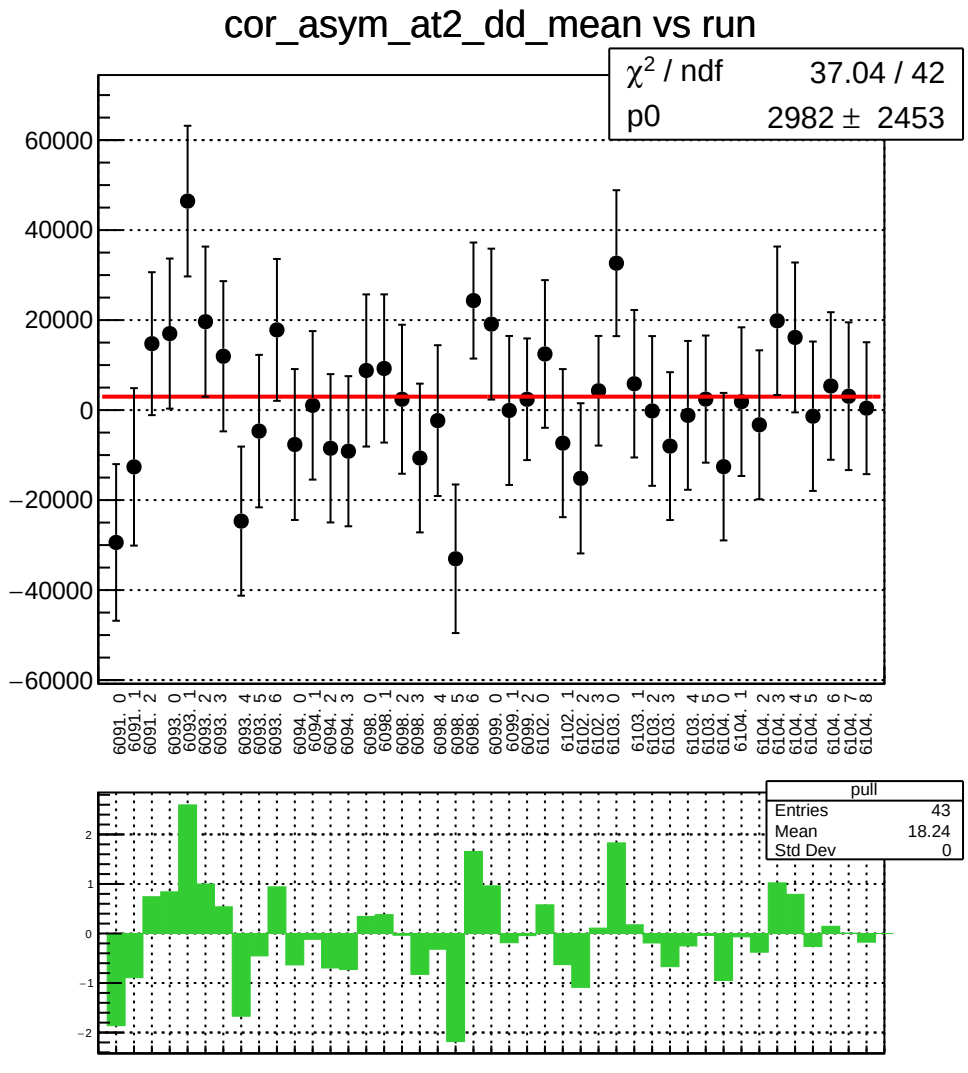
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


asym_at2_dd_reg_correction_rms vs run
χ² / ndf 2895 / 42
p0 1785 ± 1.965
2000
1900
1800
1700
1600
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8


cor_asym_at2_dd_mean vs run
χ² / ndf 37.04 / 42
p0 2982 ± 2453
60000
40000
20000
0
−20000
−40000
−60000
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
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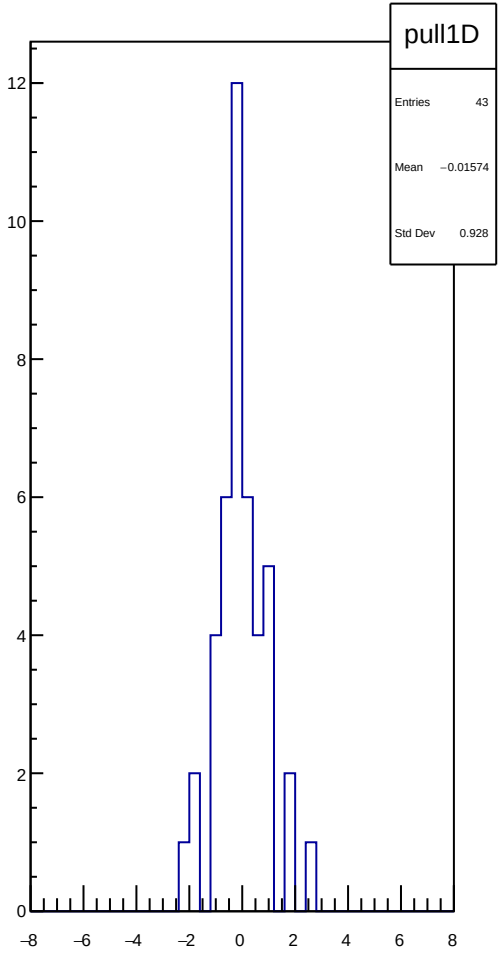
6104. 7
6104. 8
pull
Entries 43
Mean 18.24
Std Dev 0
2
1
0
−1
−2


pull1D
Entries 43
Mean −0.01574
Std Dev 0.928
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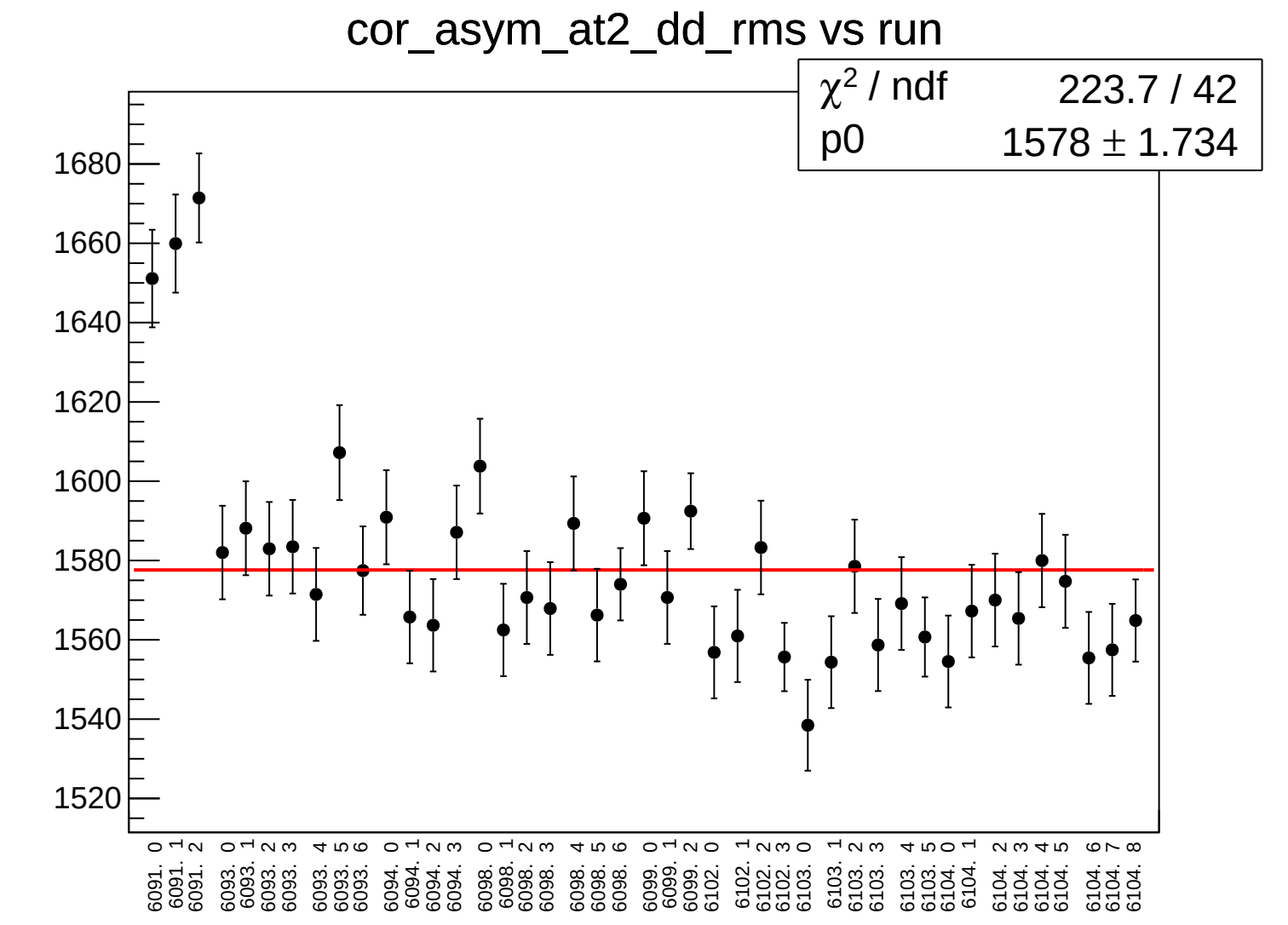
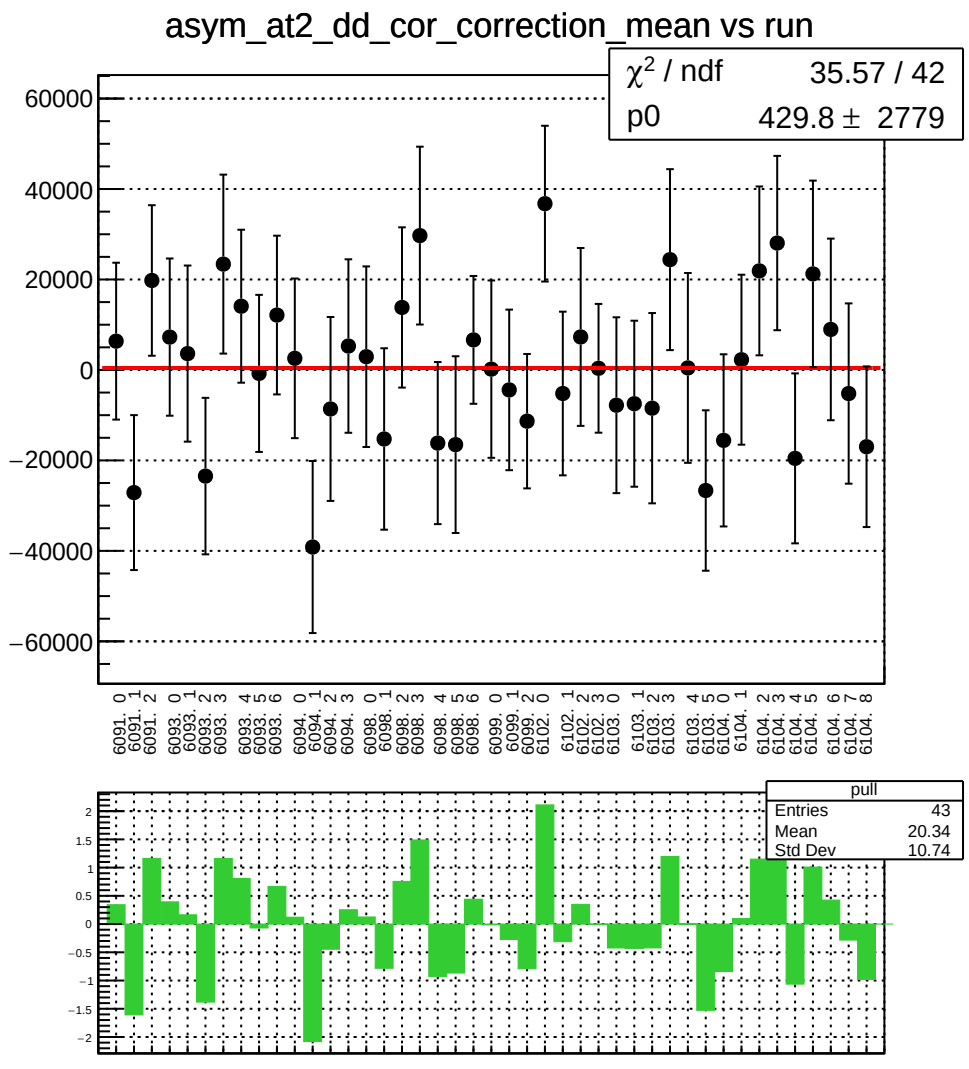
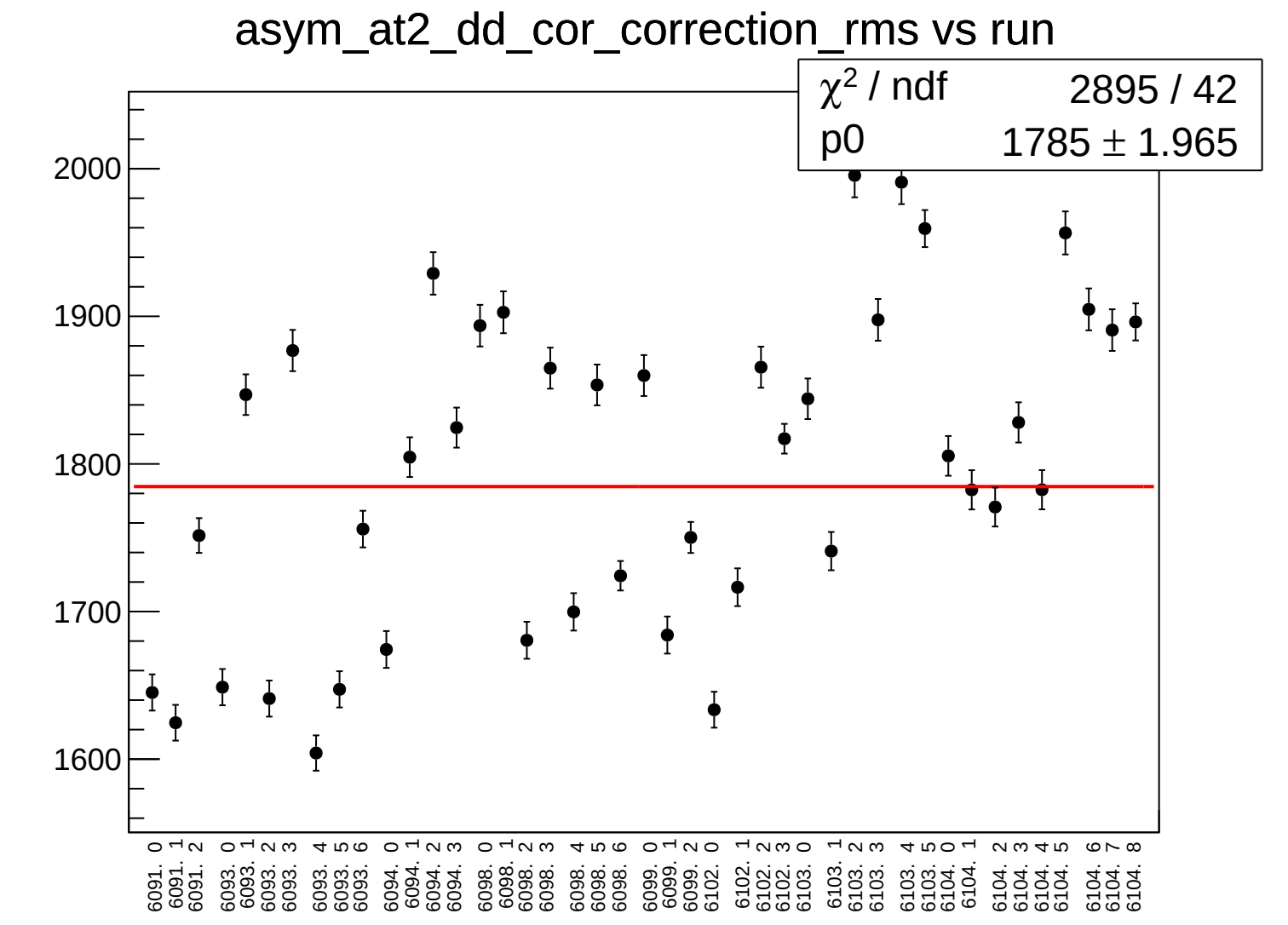
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


cor_asym_at2_dd_rms vs run
χ² / ndf 223.7 / 42
p0 1578 ± 1.734
1680
1660
1640
1620
1600
1580
1560
1540
1520
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8


asym_at2_dd_cor_correction_mean vs run
χ² / ndf 35.57 / 42
p0 429.8 ± 2779
60000
40000
20000
0
−20000
−40000
−60000
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 20.34
Std Dev 10.74
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 43
Mean 0.00305
Std Dev 0.9095
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


asym_at2_dd_cor_correction_rms vs run
χ² / ndf 2895 / 42
p0 1785 ± 1.965
2000
1900
1800
1700
1600
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
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6098. 2
6098. 3
6098. 4
6098. 5
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6099. 0
6099. 1
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6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
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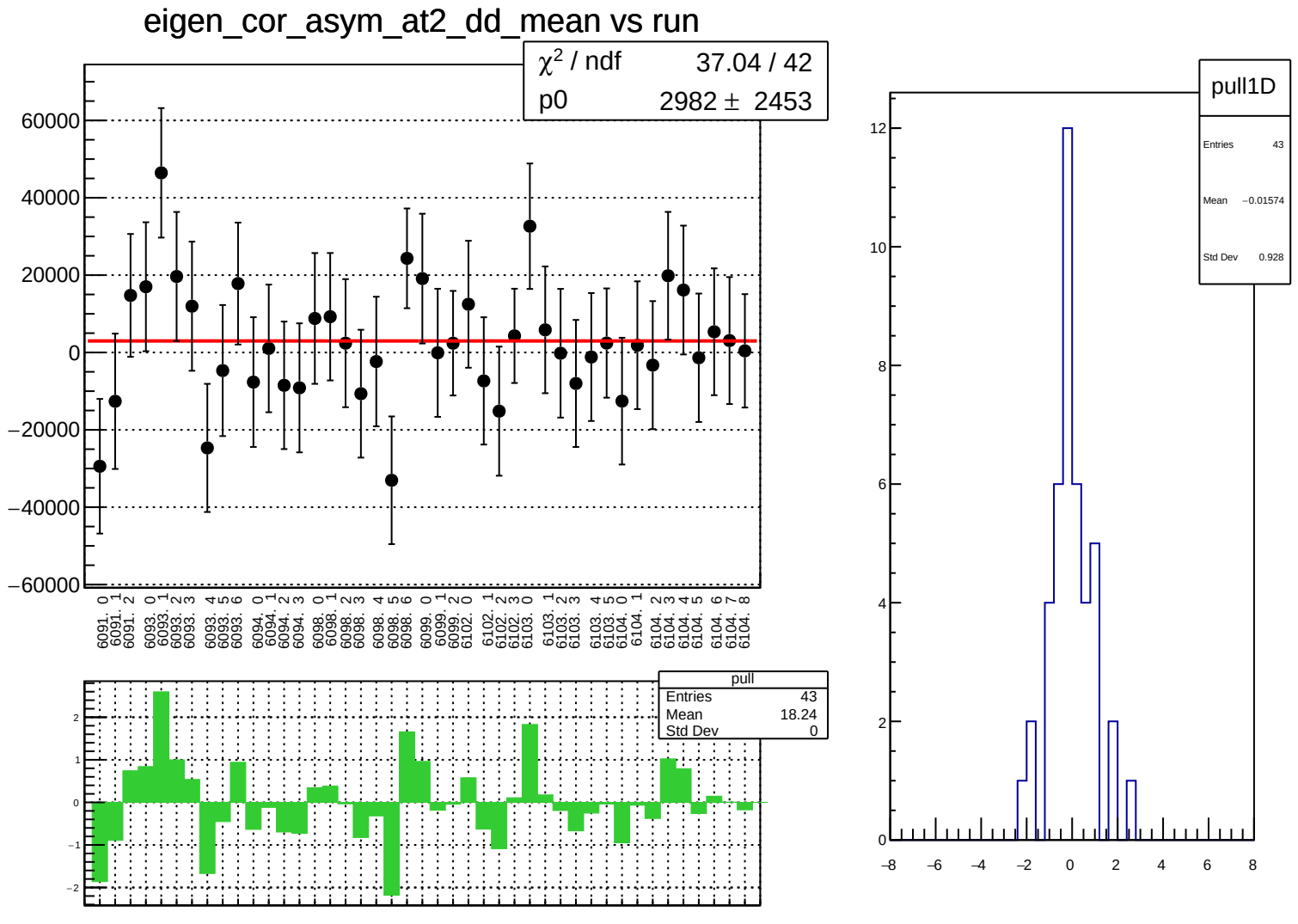
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8


eigen_cor_asym_at2_dd_mean vs run
χ² / ndf 37.04 / 42
p0 2982 ± 2453
60000
40000
20000
0
−20000
−40000
−60000
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 18.24
Std Dev 0
2
1
0
−1
−2
pull1D
Entries 43
Mean −0.01574
Std Dev 0.928
12
10
8
6
4
2
0
−8
−6
−4
−2
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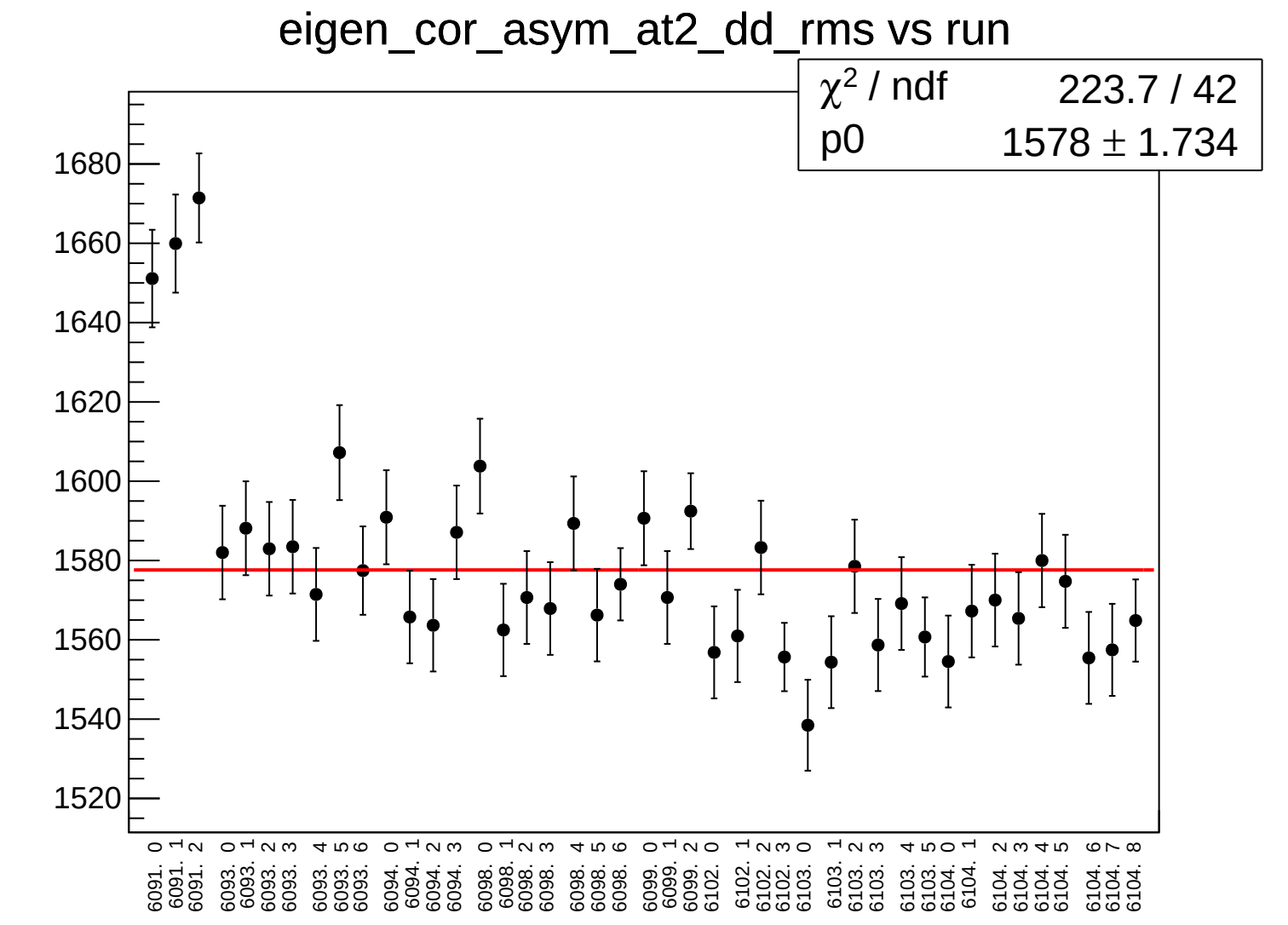
2
4
6
8


eigen_cor_asym_at2_dd_rms vs run
χ² / ndf 223.7 / 42
p0 1578 ± 1.734
1680
1660
1640
1620
1600
1580
1560
1540
1520
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
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6104. 1
6104. 2
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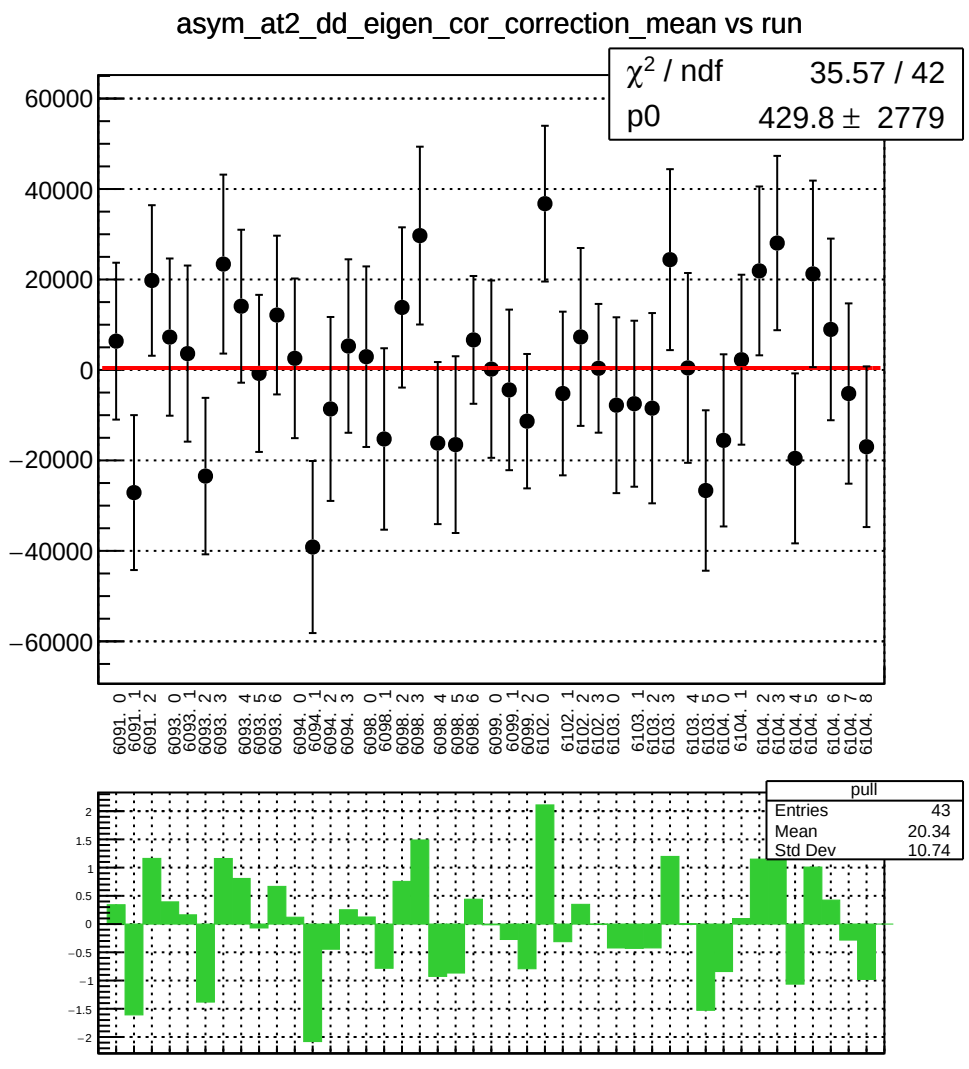
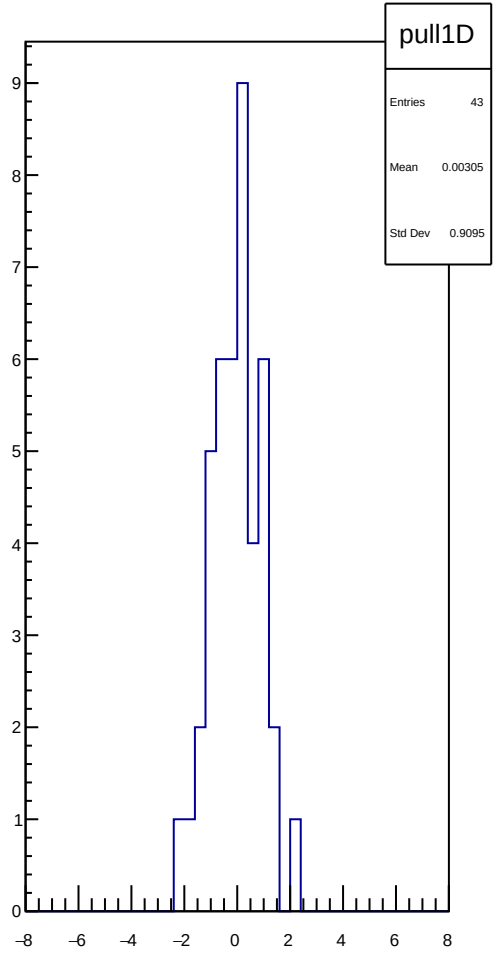
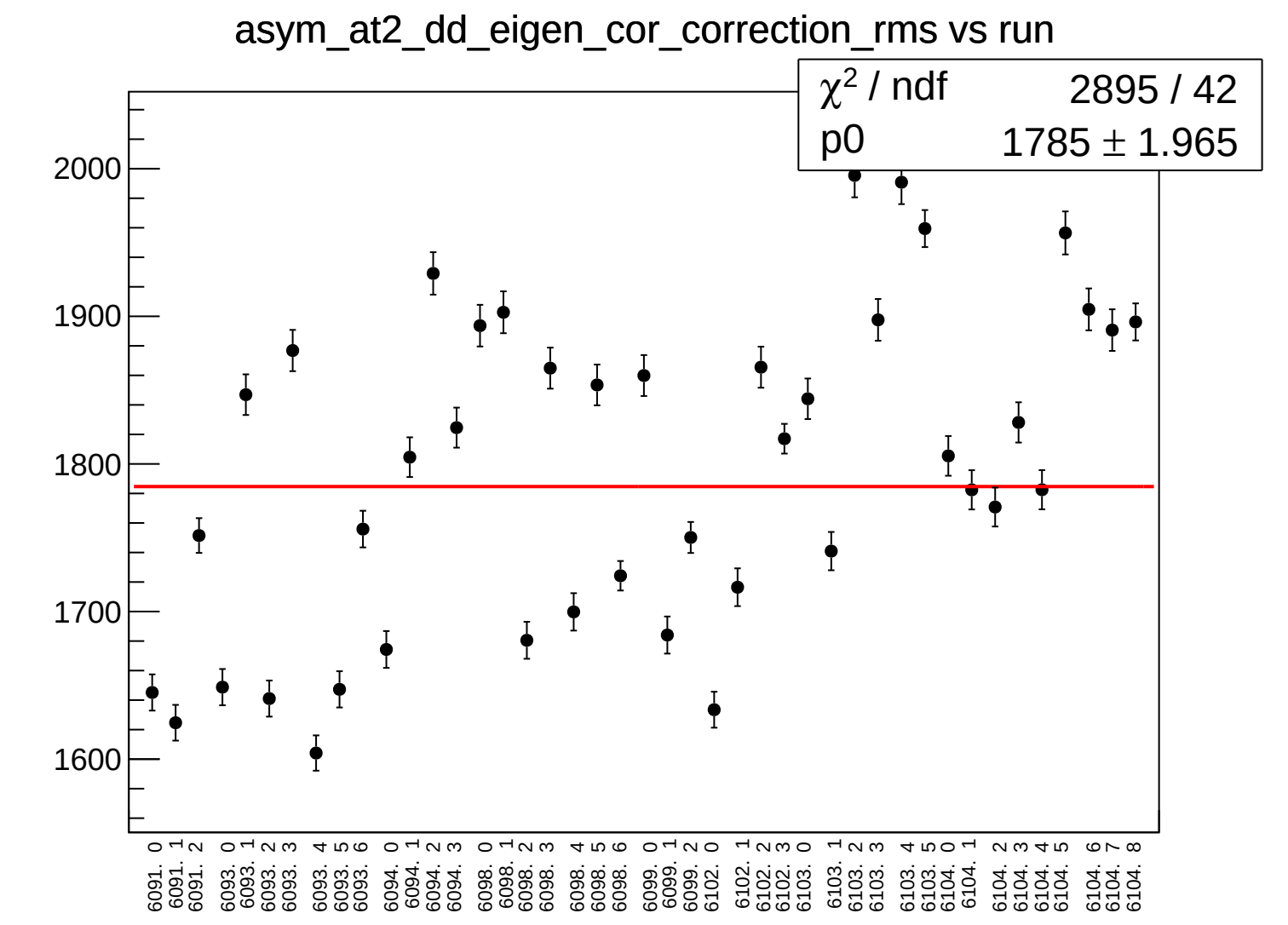
6104. 6
6104. 7
6104. 8


asym_at2_dd_eigen_cor_correction_mean vs run
χ² / ndf 35.57 / 42
p0 429.8 ± 2779
60000
40000
20000
0
−20000
−40000
−60000
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 20.34
Std Dev 10.74
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2


pull1D
Entries 43
Mean 0.00305
Std Dev 0.9095
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


asym_at2_dd_eigen_cor_correction_rms vs run
χ² / ndf 2895 / 42
p0 1785 ± 1.965
2000
1900
1800
1700
1600
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
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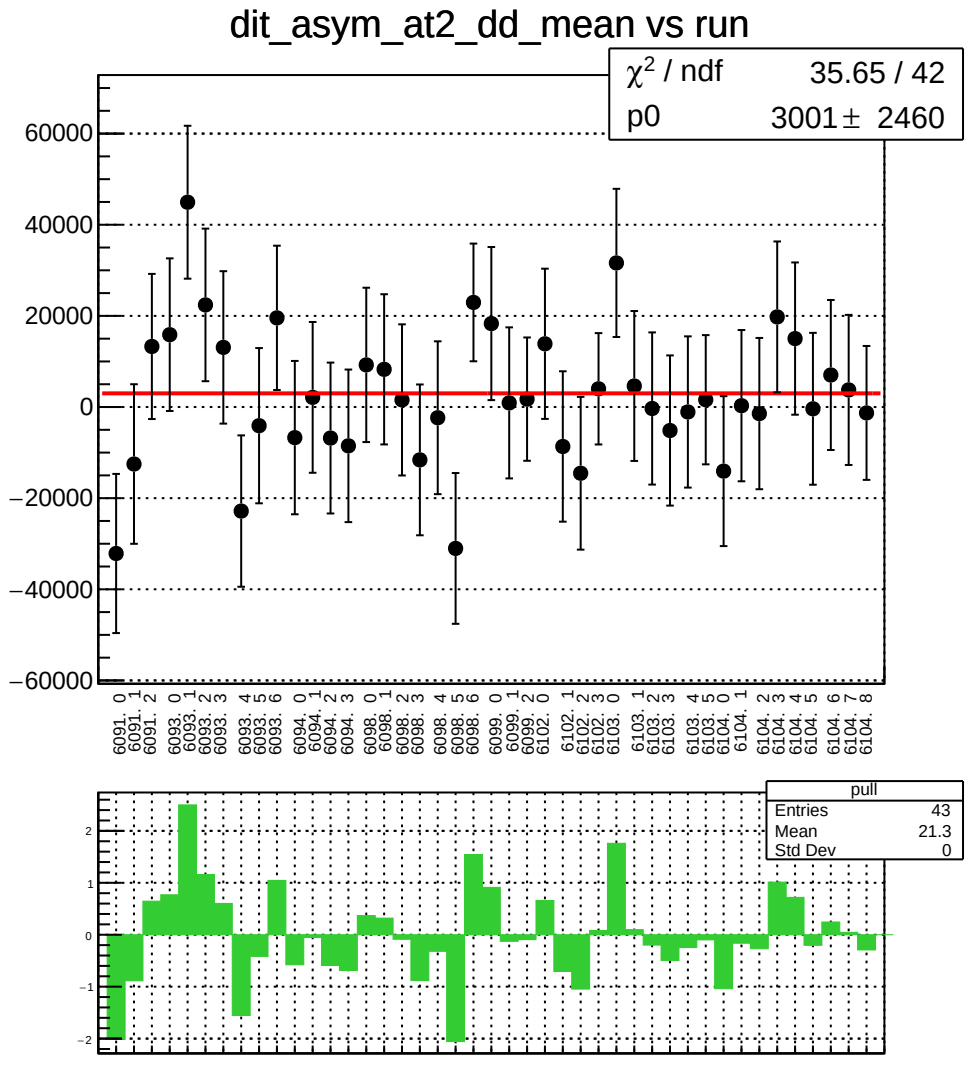
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8


dit_asym_at2_dd_mean vs run
χ² / ndf 35.65 / 42
p0 3001 ± 2460
60000
40000
20000
0
−20000
−40000
−60000
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
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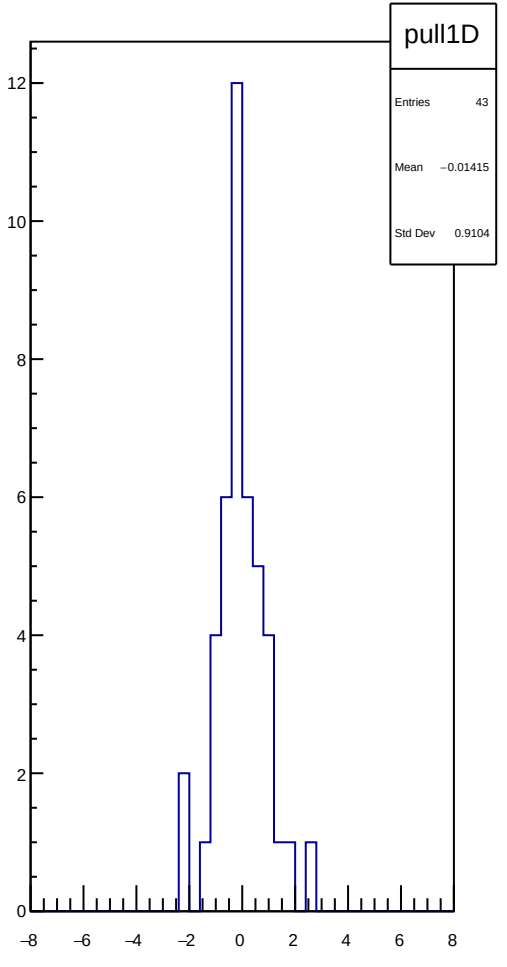
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 21.3
Std Dev 0
2
1
0
−1
−2


pull1D
Entries 43
Mean −0.01415
Std Dev 0.9104
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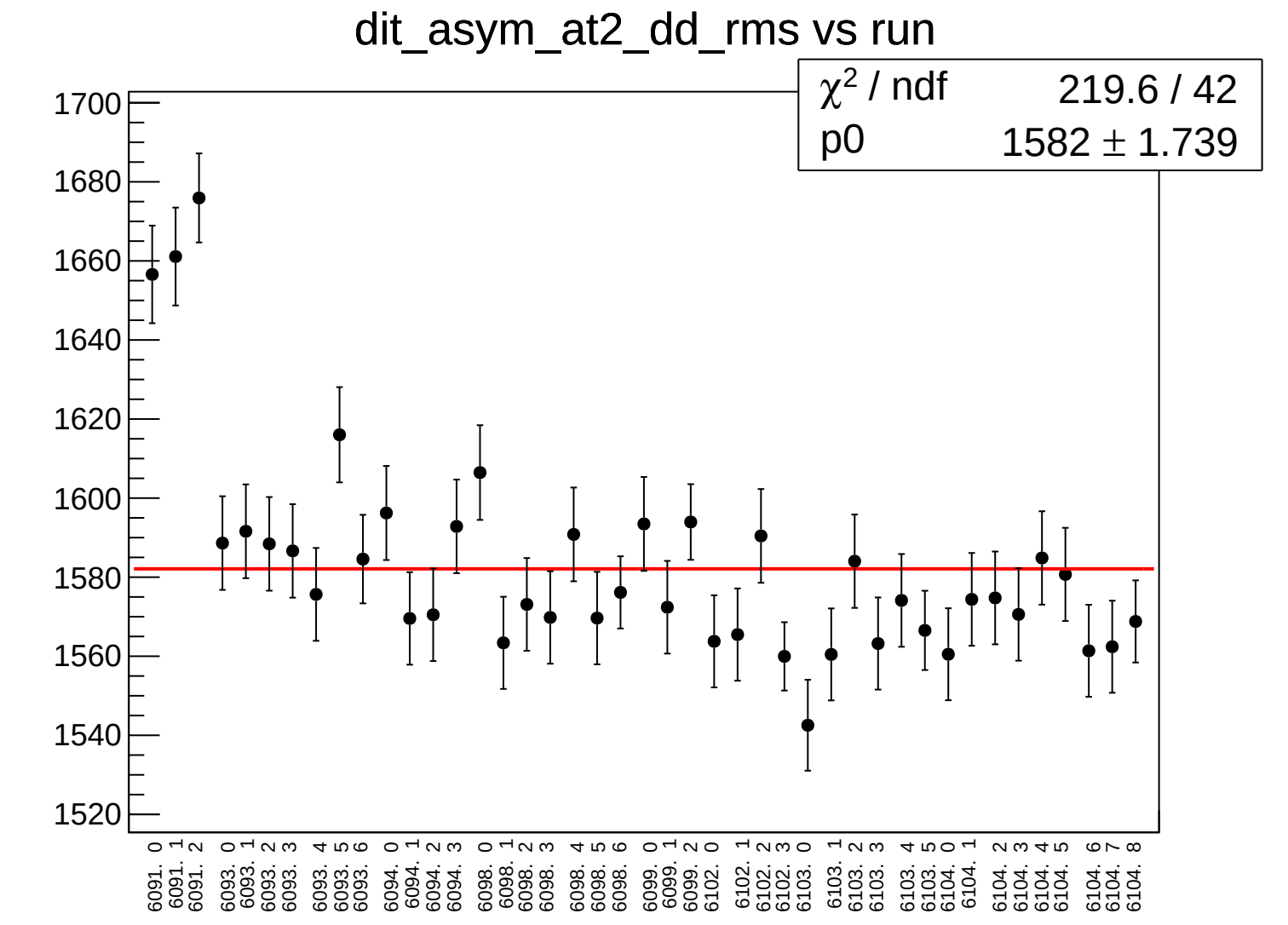
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


dit_asym_at2_dd_rms vs run
χ² / ndf 219.6 / 42
p0 1582 ± 1.739
1700
1680
1660
1640
1620
1600
1580
1560
1540
1520
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
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6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
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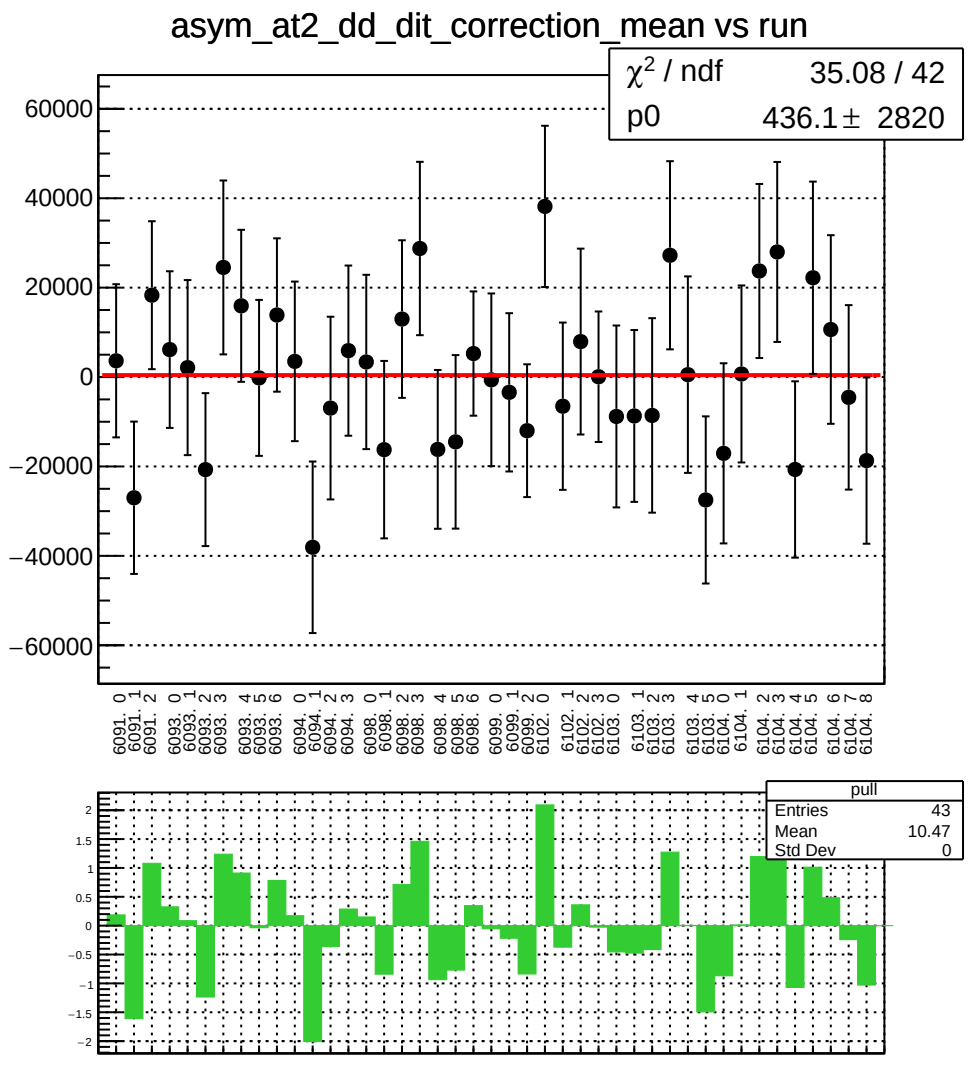
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8


asym_at2_dd_dit_correction_mean vs run
χ² / ndf 35.08 / 42
p0 436.1 ± 2820
60000
40000
20000
0
−20000
−40000
−60000
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
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6094. 2
6094. 3
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6098. 2
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6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
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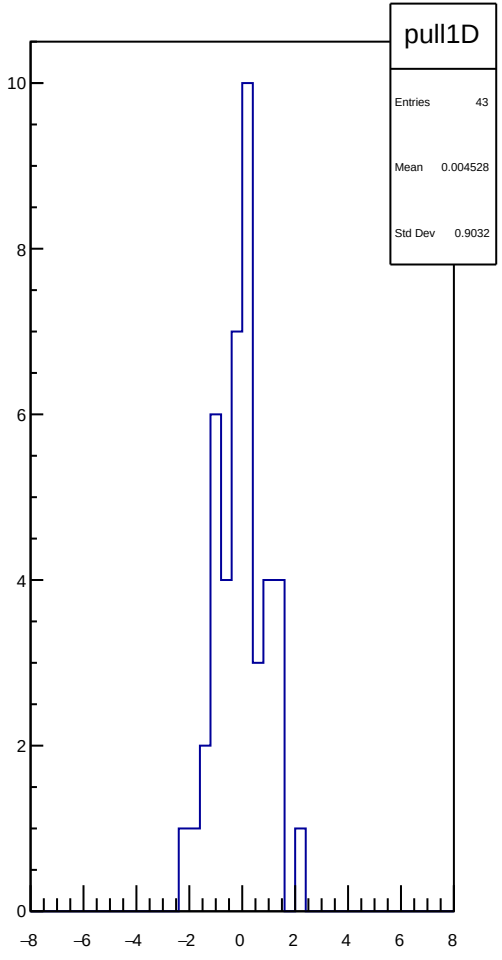
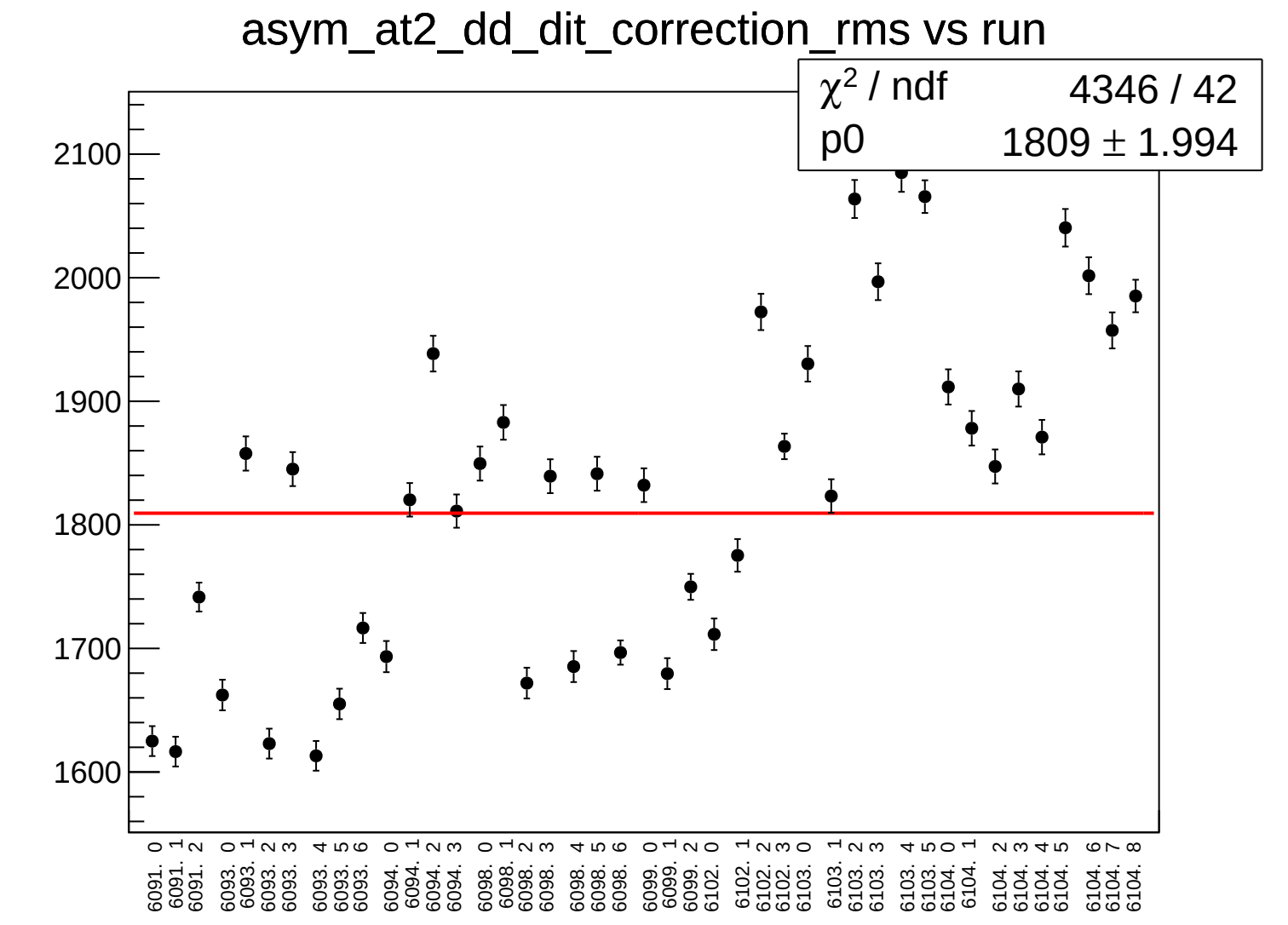
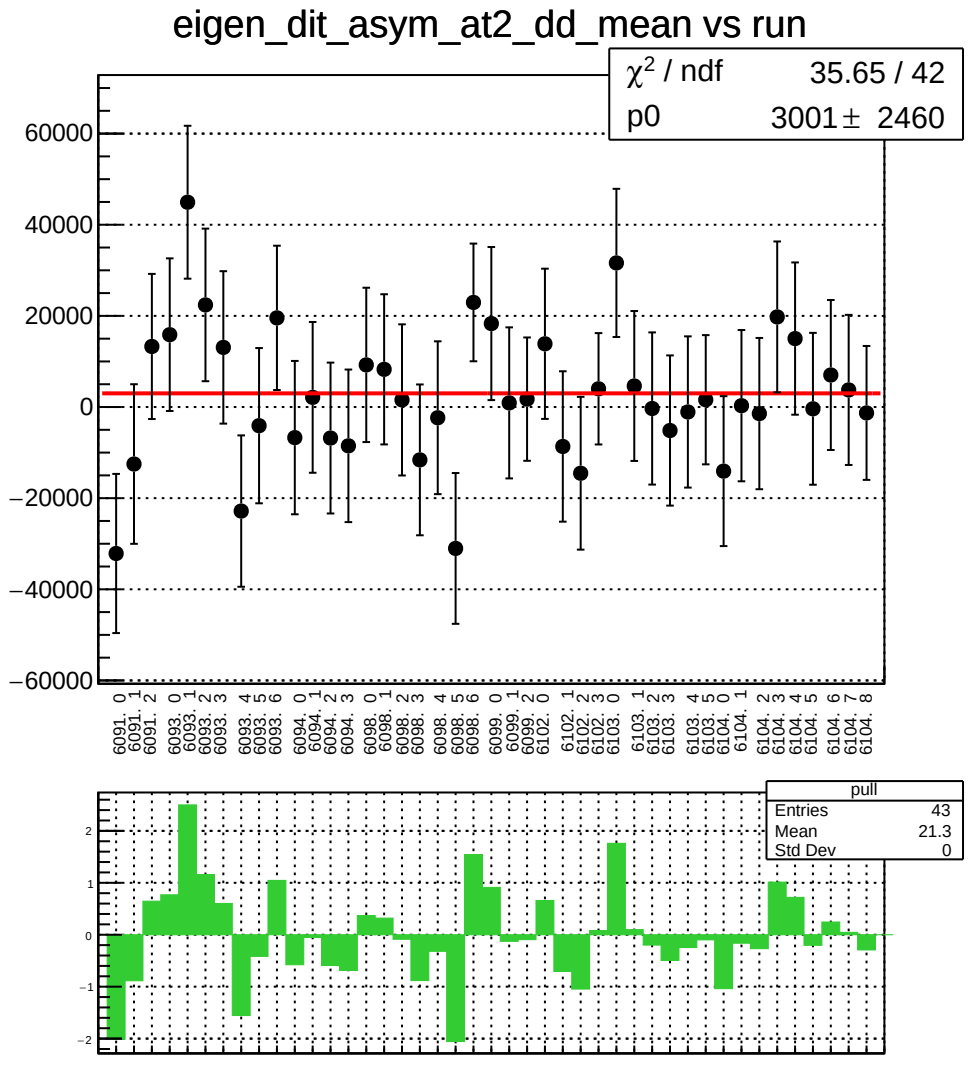
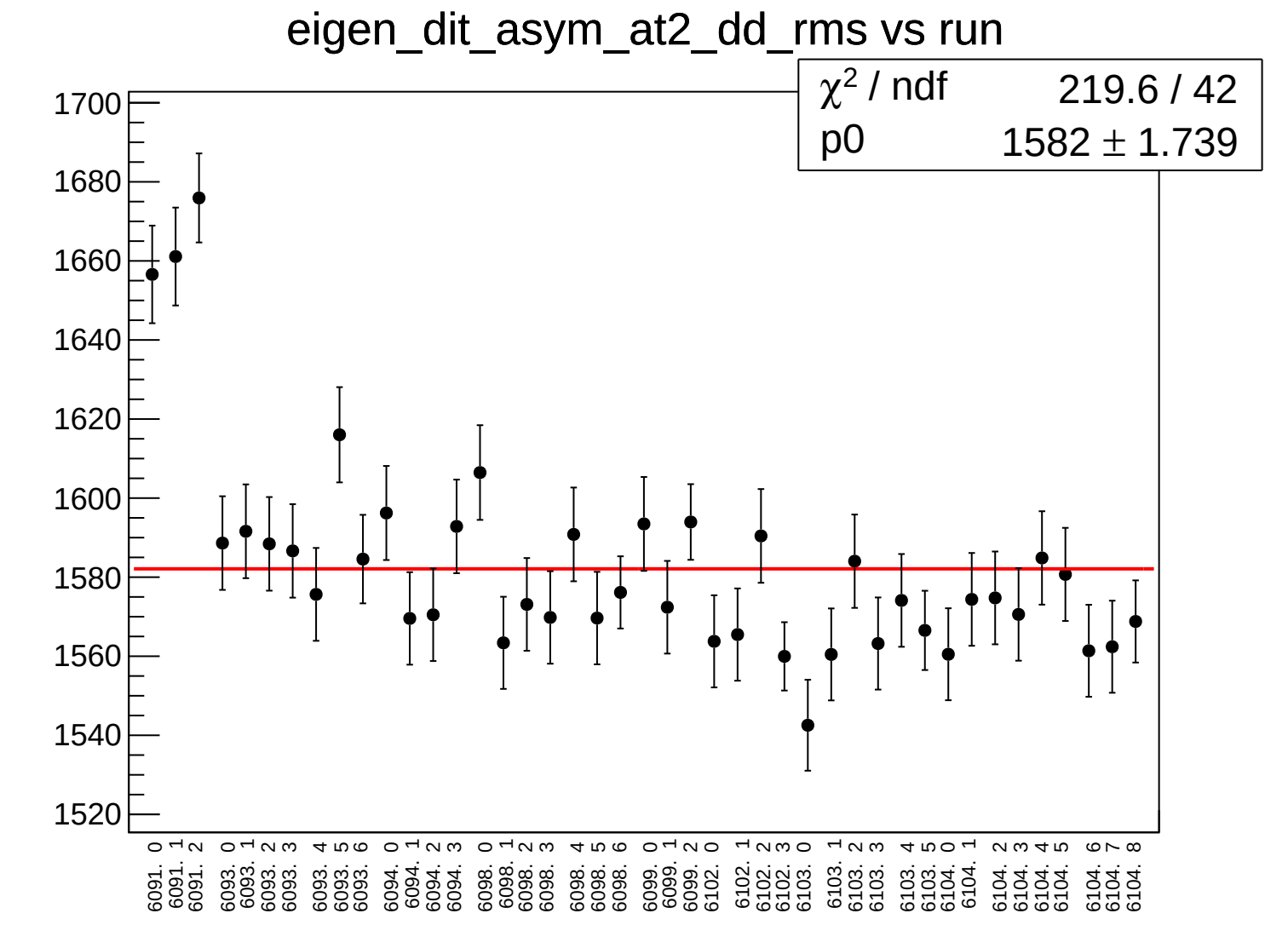
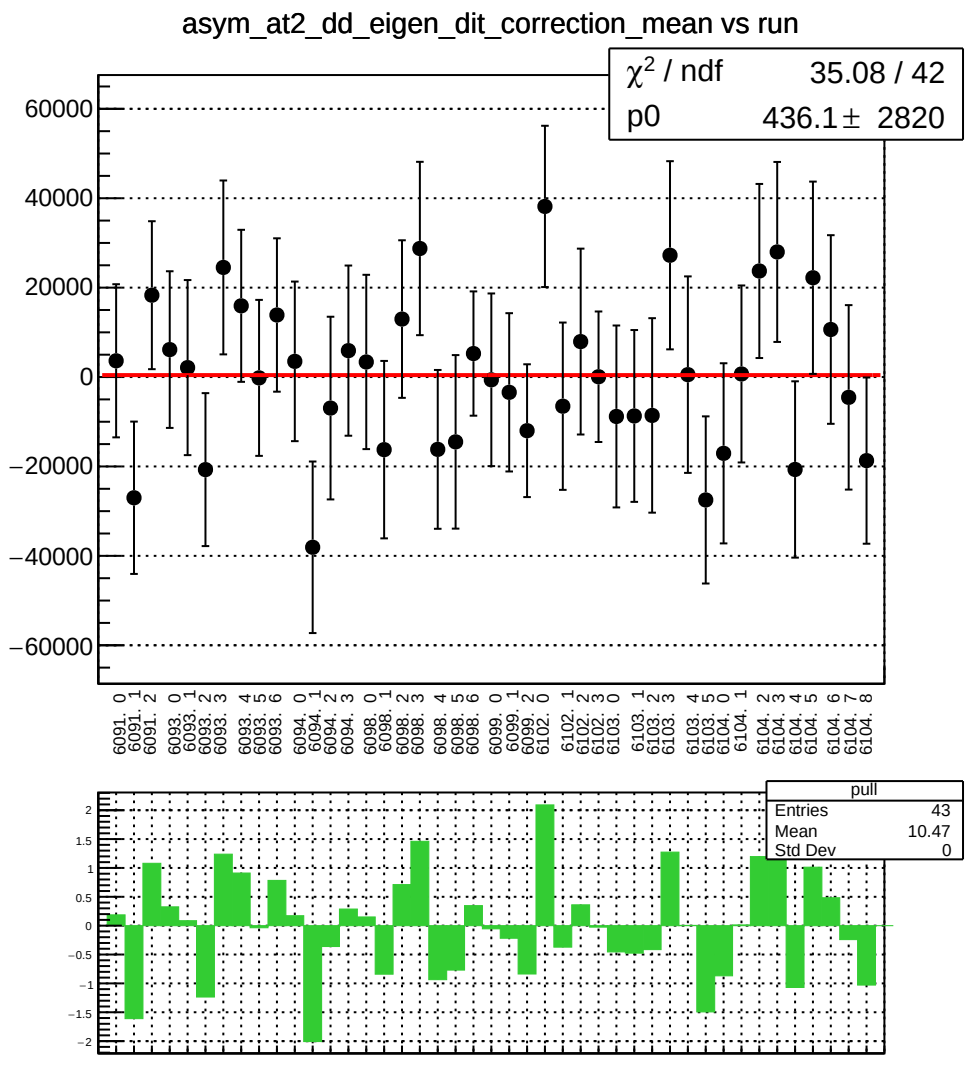
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 10.47
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

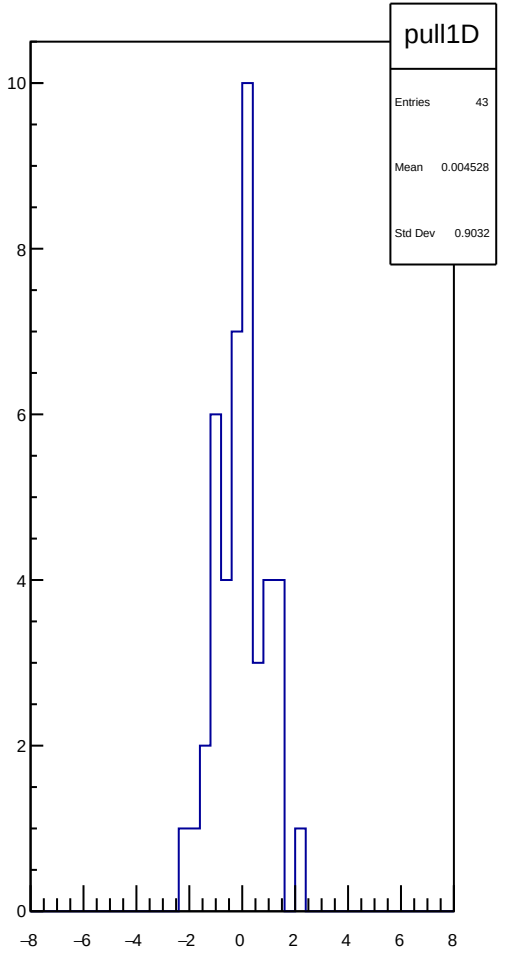

pull1D
Entries 43
Mean 0.004528
Std Dev 0.9032
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

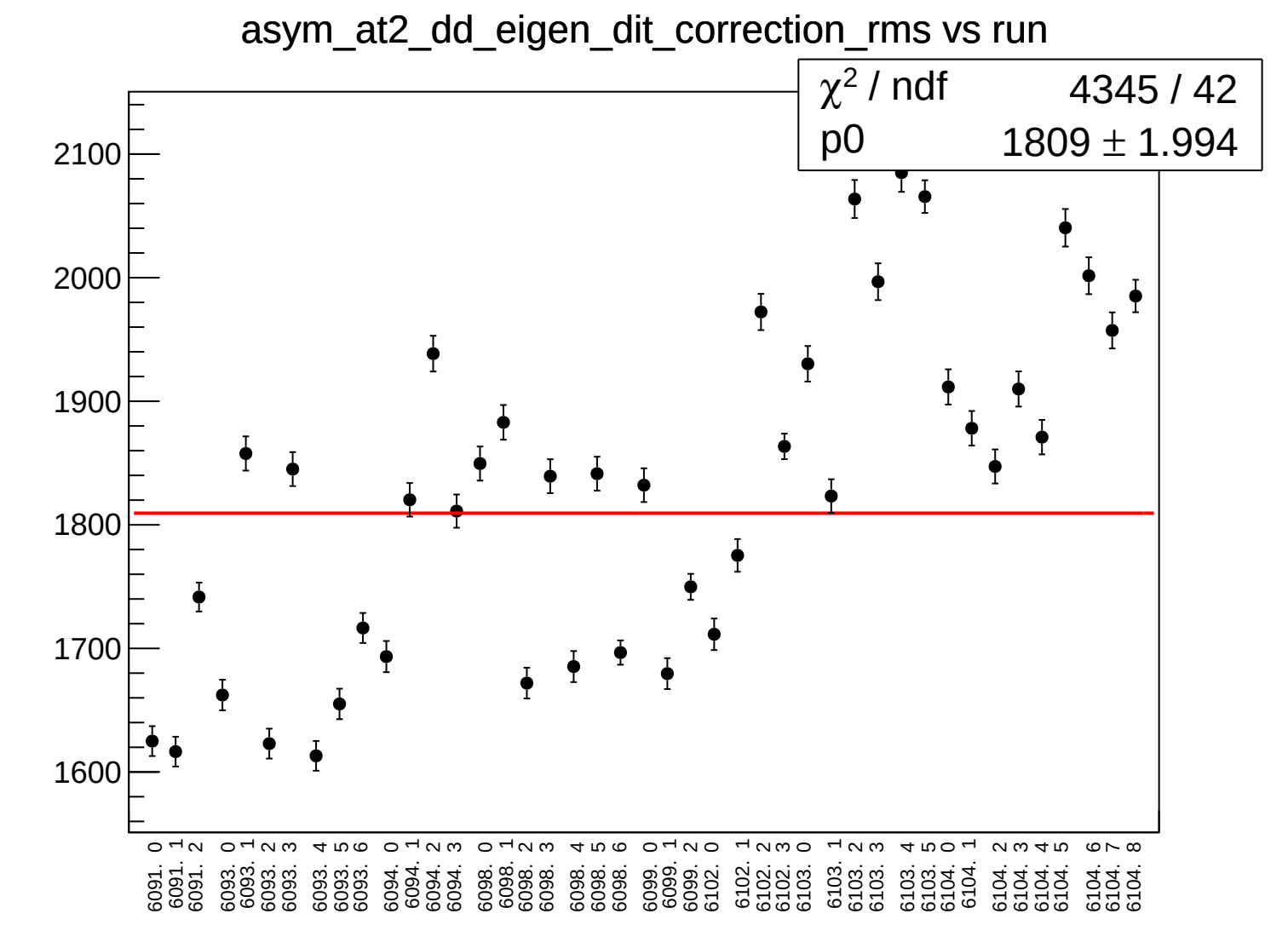

asym_at2_dd_dit_correction_rms vs run
χ² / ndf 4346 / 42
p0 1809 ± 1.994
2100
2000
1900
1800
1700
1600
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

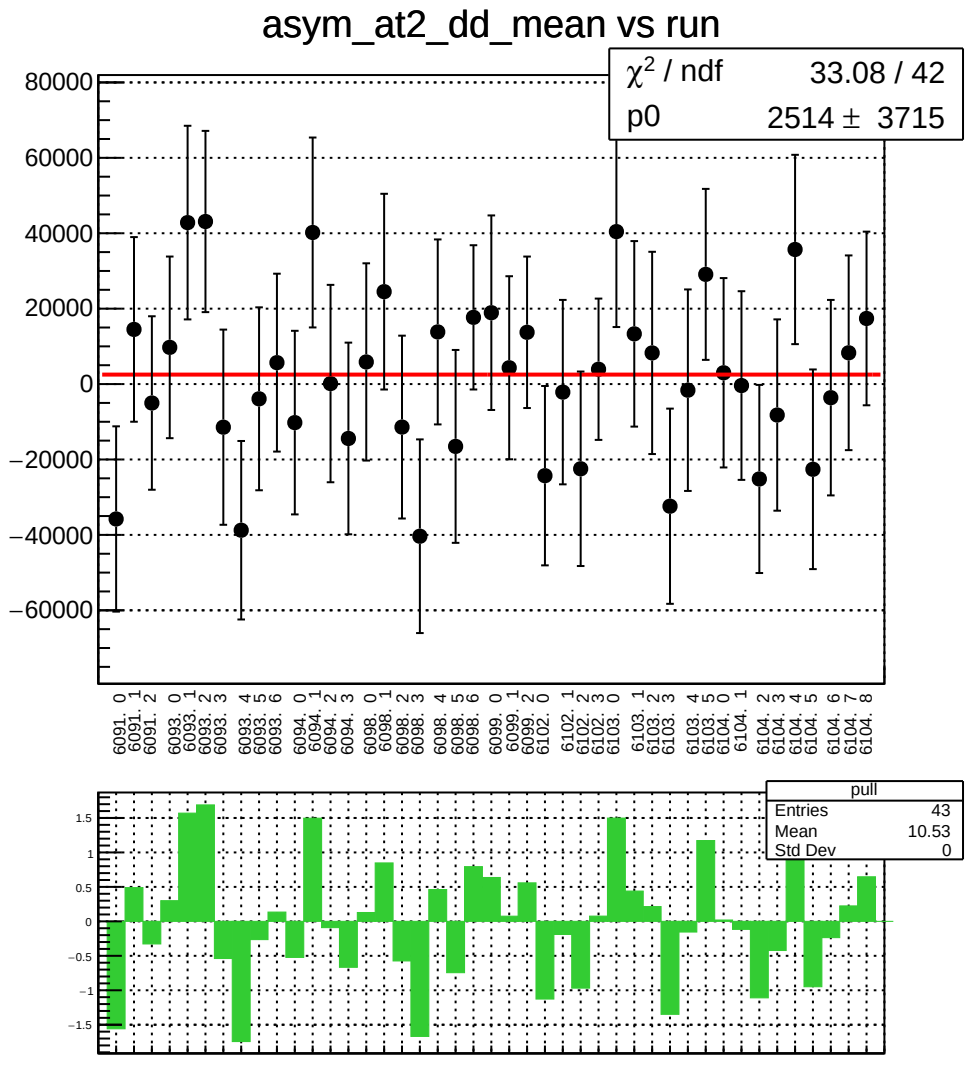

eigen_dit_asym_at2_dd_mean vs run
χ² / ndf 35.65 / 42
p0 3001 ± 2460
60000
40000
20000
0
−20000
−40000
−60000
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 21.3
Std Dev 0
2
1
0
−1
−2
pull1D
Entries 43
Mean −0.01415
Std Dev 0.9104
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

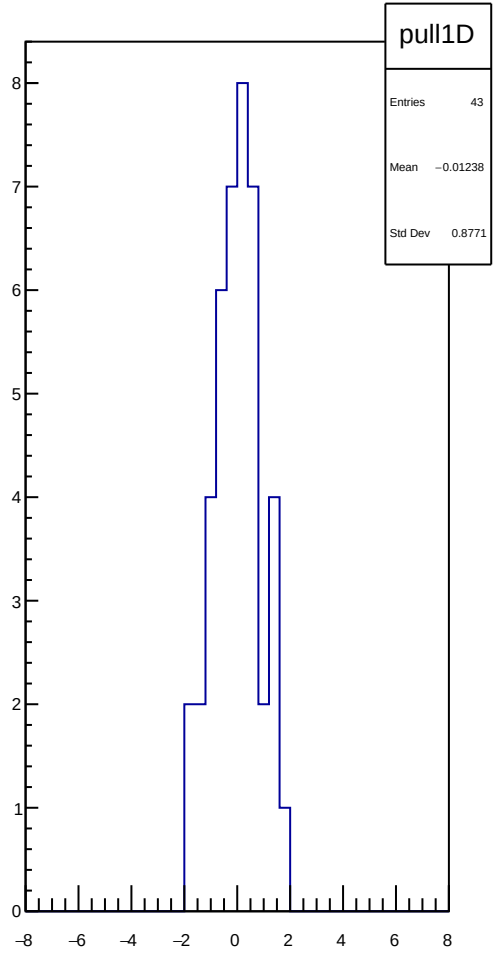

eigen_dit_asym_at2_dd_rms vs run
χ² / ndf 219.6 / 42
p0 1582 ± 1.739
1700
1680
1660
1640
1620
1600
1580
1560
1540
1520
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

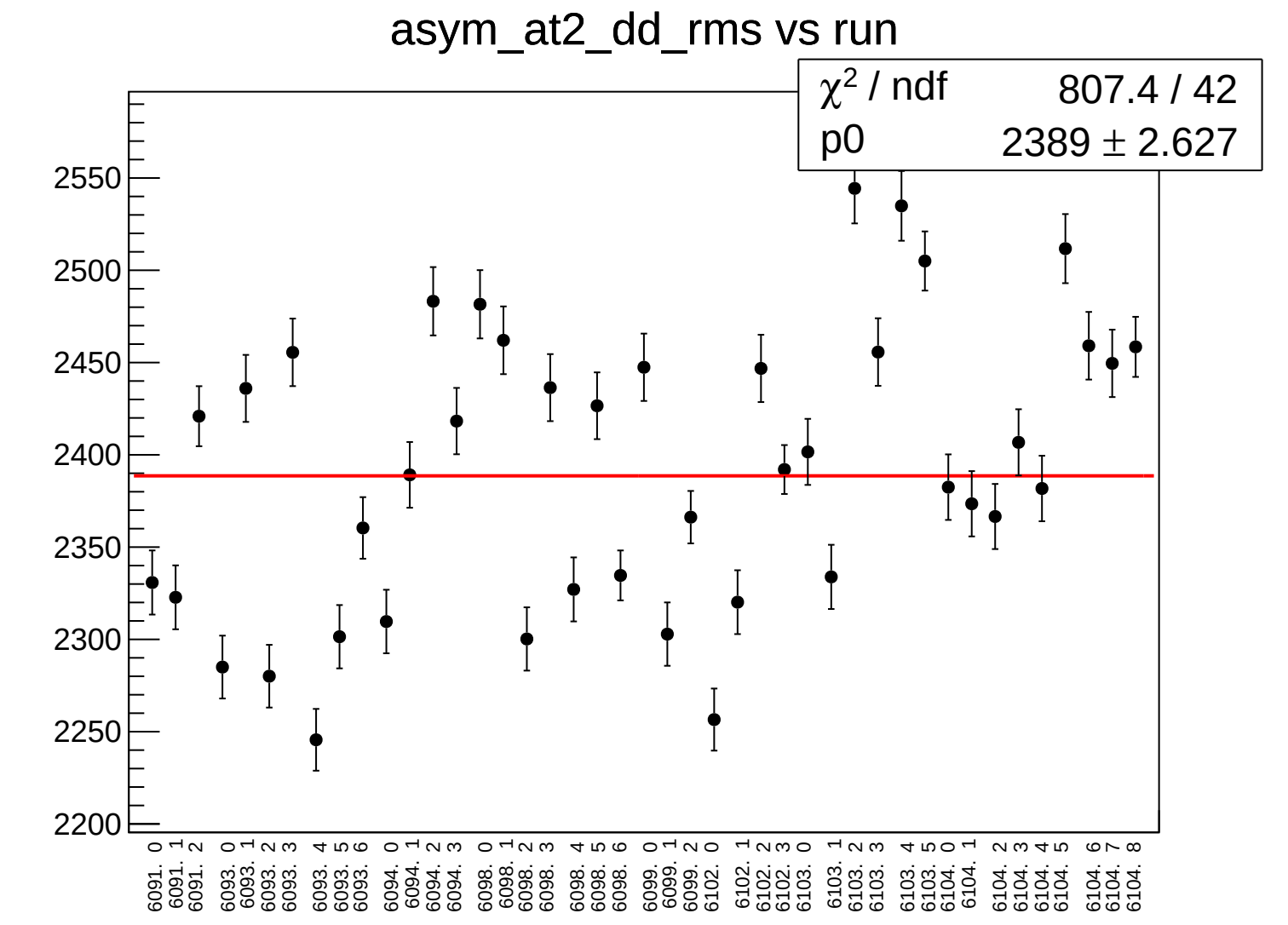

asym_at2_dd_eigen_dit_correction_mean vs run
χ² / ndf 35.08 / 42
p0 436.1 ± 2820
60000
40000
20000
0
−20000
−40000
−60000
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 10.47
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

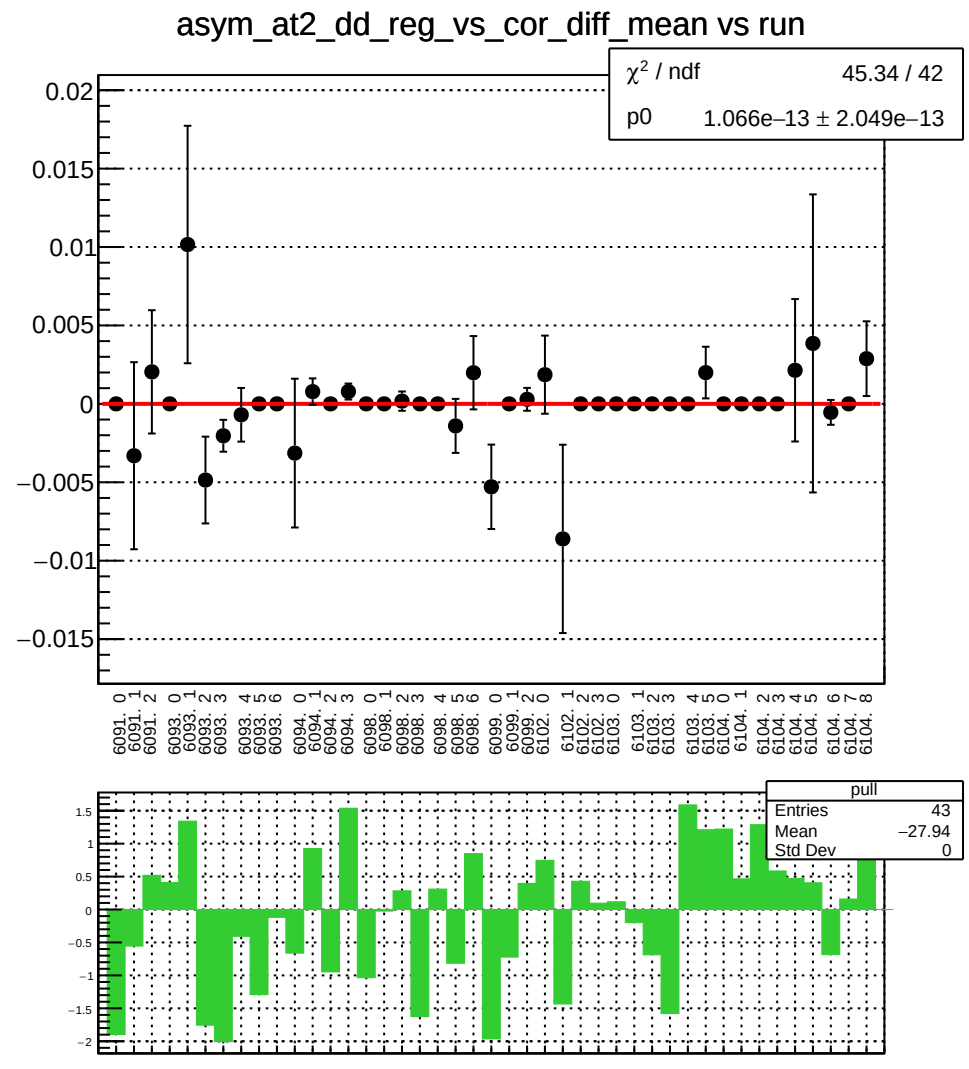

pull1D
Entries 43
Mean 0.004528
Std Dev 0.9032
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

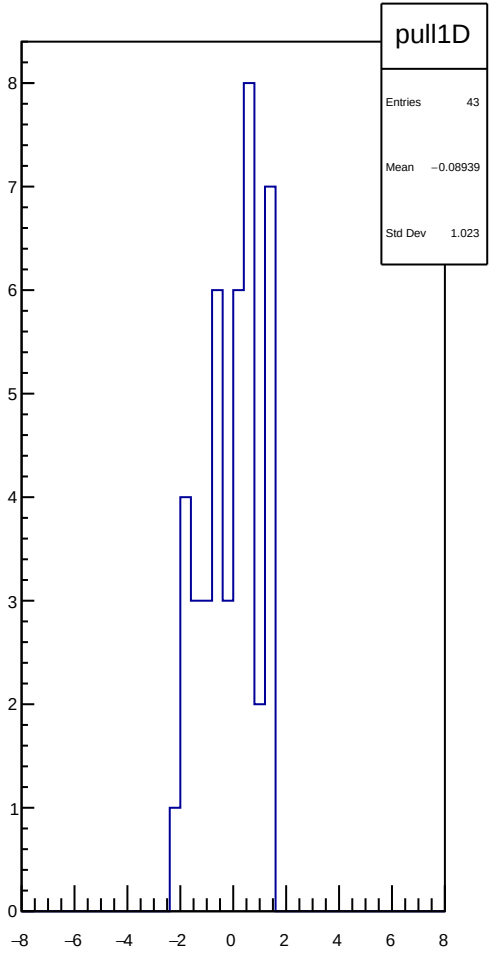

asym_at2_dd_eigen_dit_correction_rms vs run
χ² / ndf 4345 / 42
p0 1809 ± 1.994
2100
2000
1900
1800
1700
1600
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

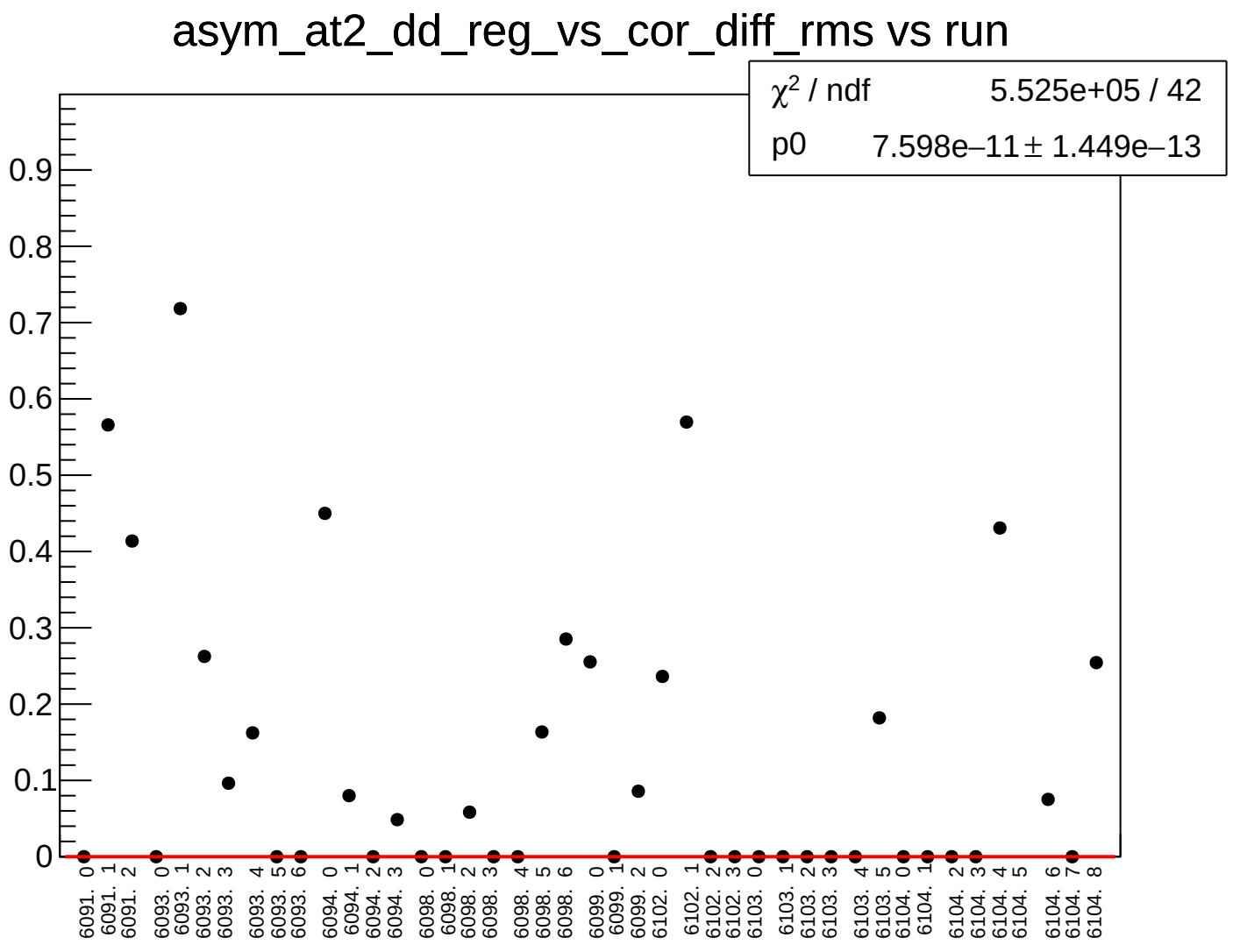

asym_at2_dd_mean vs run
χ² / ndf 33.08 / 42
p0 2514 ± 3715
80000
60000
40000
20000
0
−20000
−40000
−60000
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 10.53
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5

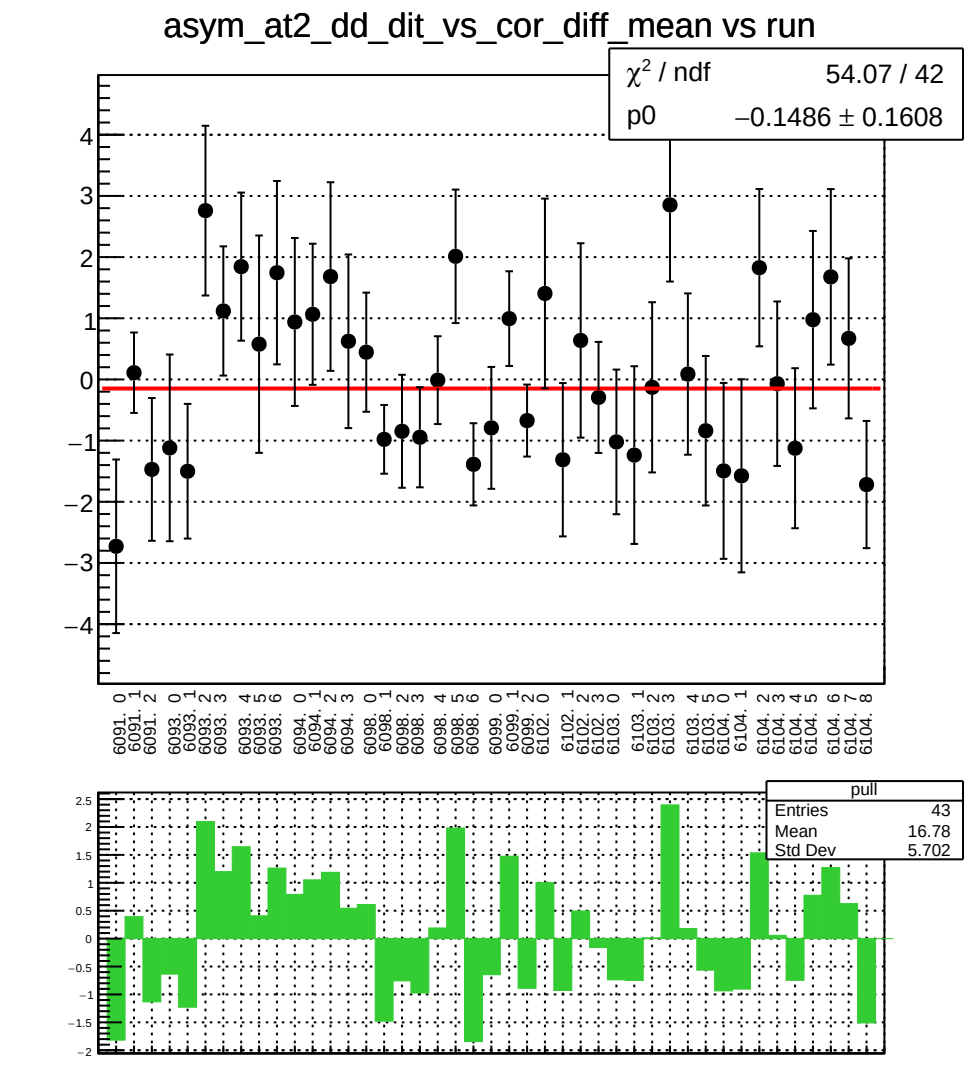

pull1D
Entries 43
Mean −0.01238
Std Dev 0.8771
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

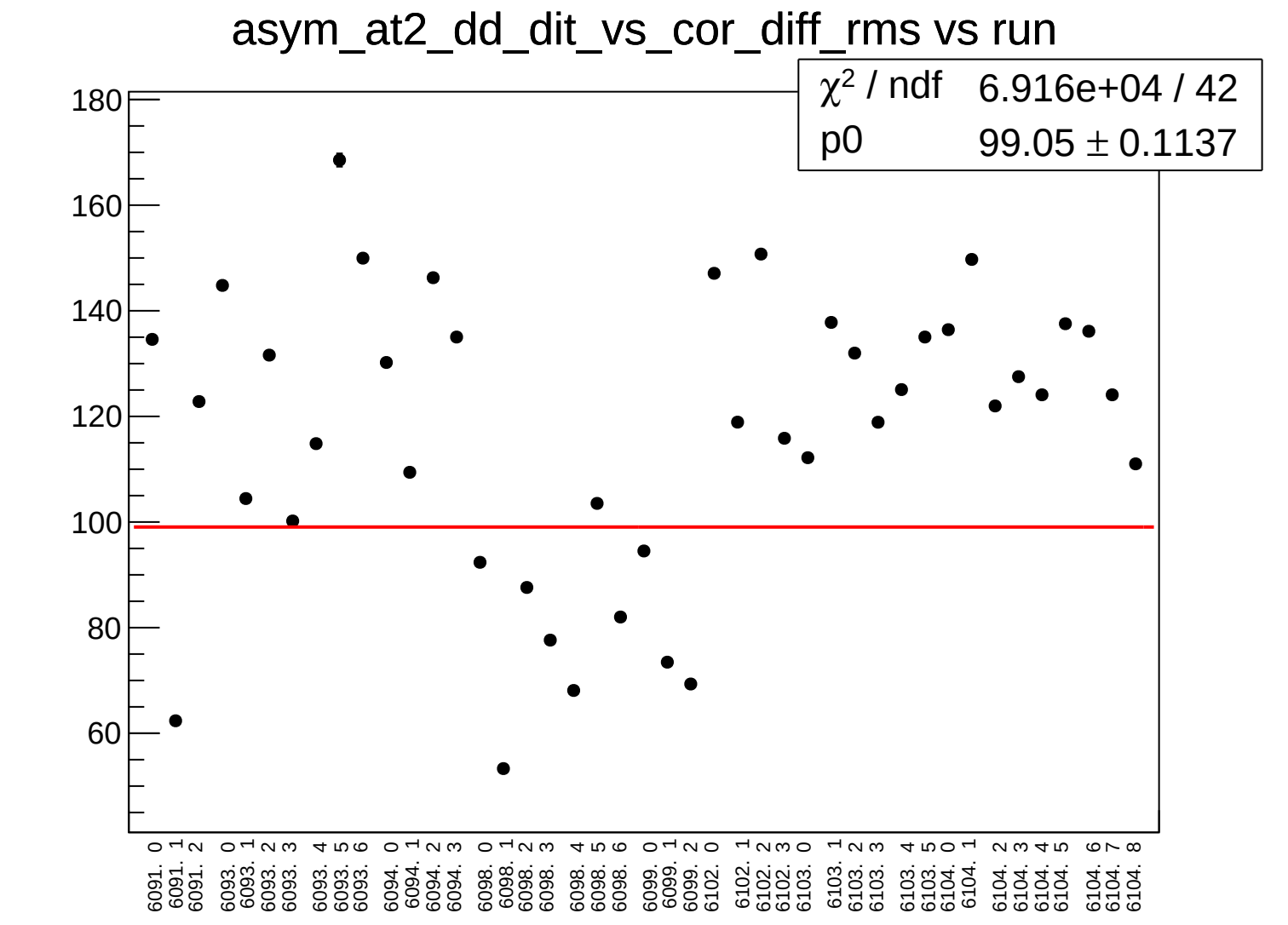

asym_at2_dd_rms vs run
χ² / ndf 807.4 / 42
p0 2389 ± 2.627
2550
2500
2450
2400
2350
2300
2250
2200
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8


asym_at2_dd_reg_vs_cor_diff_mean vs run
χ² / ndf 45.34 / 42
p0 1.066e−13 ± 2.049e−13
0.02
0.015
0.01
0.005
0
−0.005
−0.01
−0.015
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean −27.94
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2

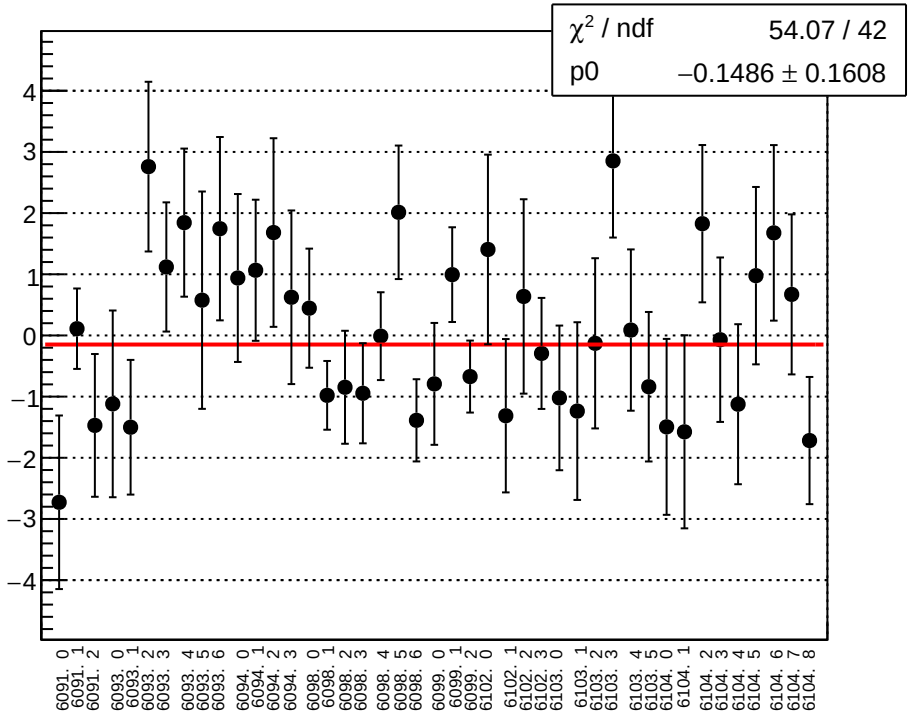

pull1D
Entries 43
Mean −0.08939
Std Dev 1.023
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

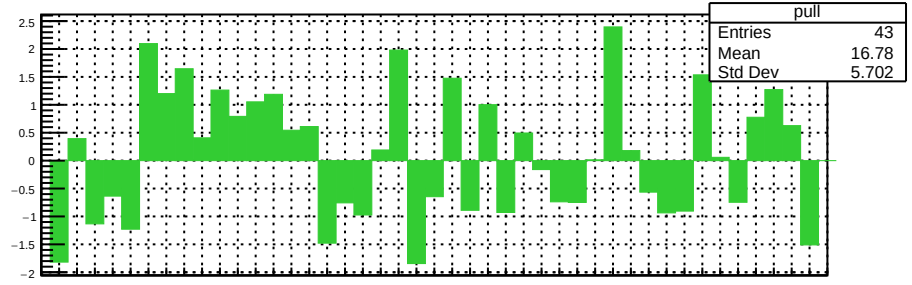

asym_at2_dd_reg_vs_cor_diff_rms vs run
χ² / ndf 5.525e+05 / 42
p0 7.598e−11 ± 1.449e−13
0
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
0.9
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

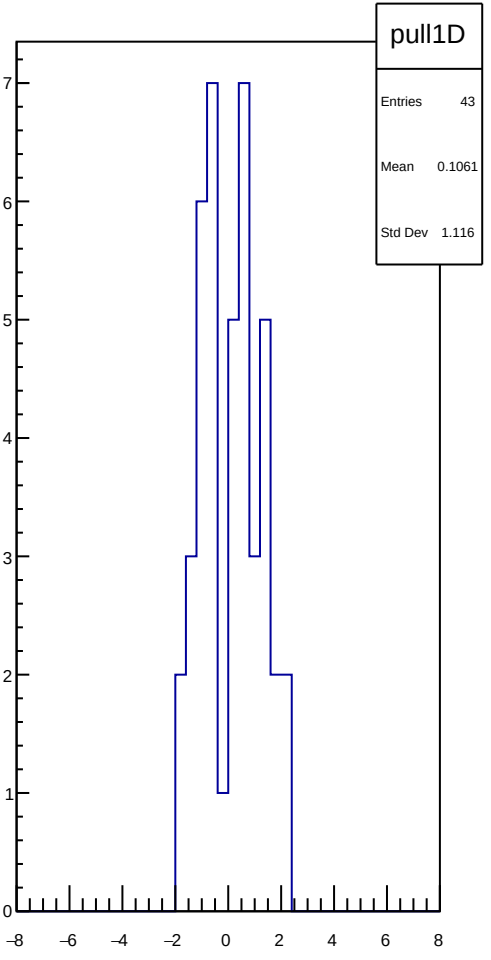

asym_at2_dd_dit_vs_cor_diff_mean vs run
χ² / ndf 54.07 / 42
p0 −0.1486 ± 0.1608
pull
Entries 43
Mean 16.78
Std Dev 5.702
pull1D
Entries 43
Mean 0.1061
Std Dev 1.116

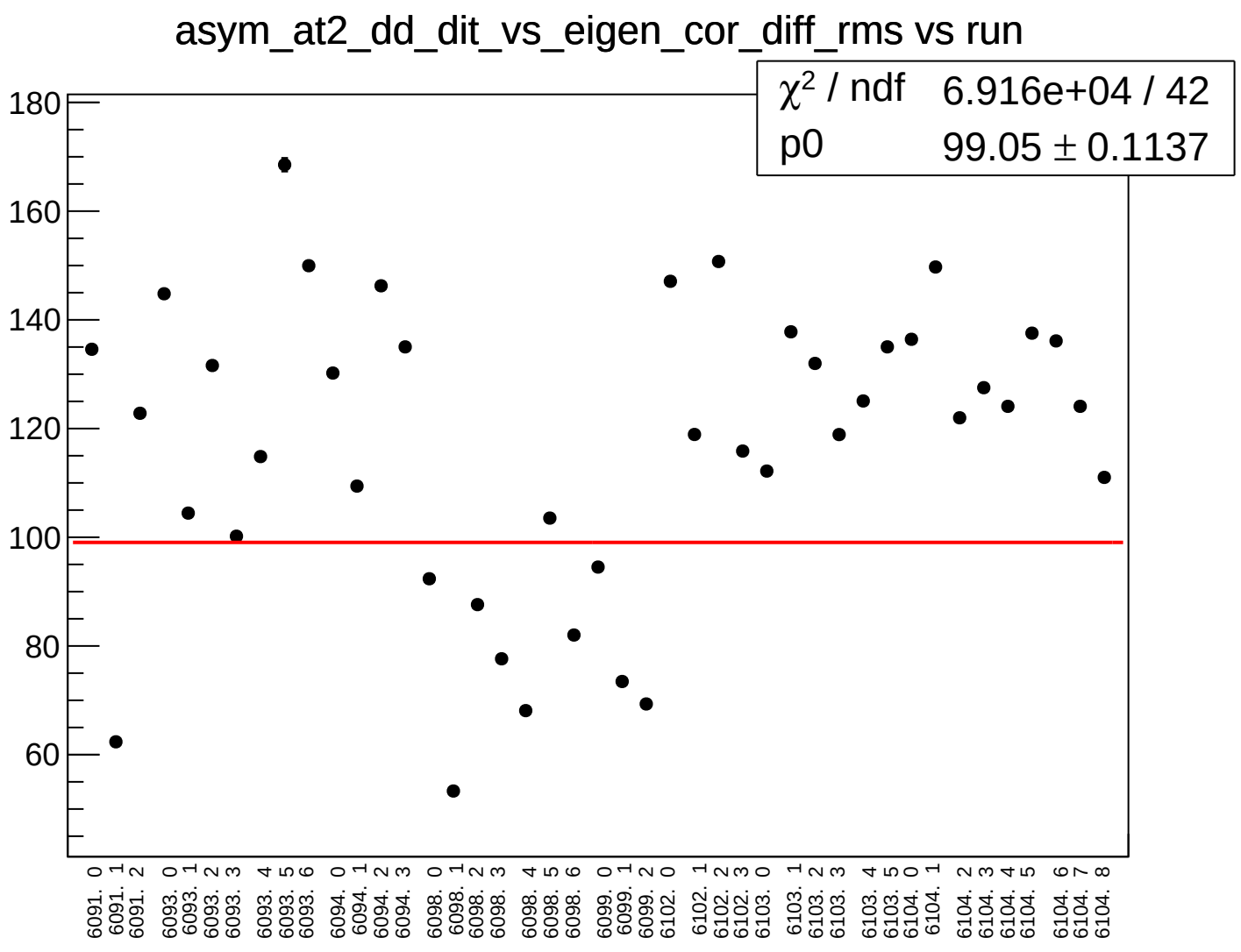

asym_at2_dd_dit_vs_cor_diff_rms vs run
χ² / ndf 6.916e+04 / 42
p0 99.05 ± 0.1137
180
160
140
120
100
80
60
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

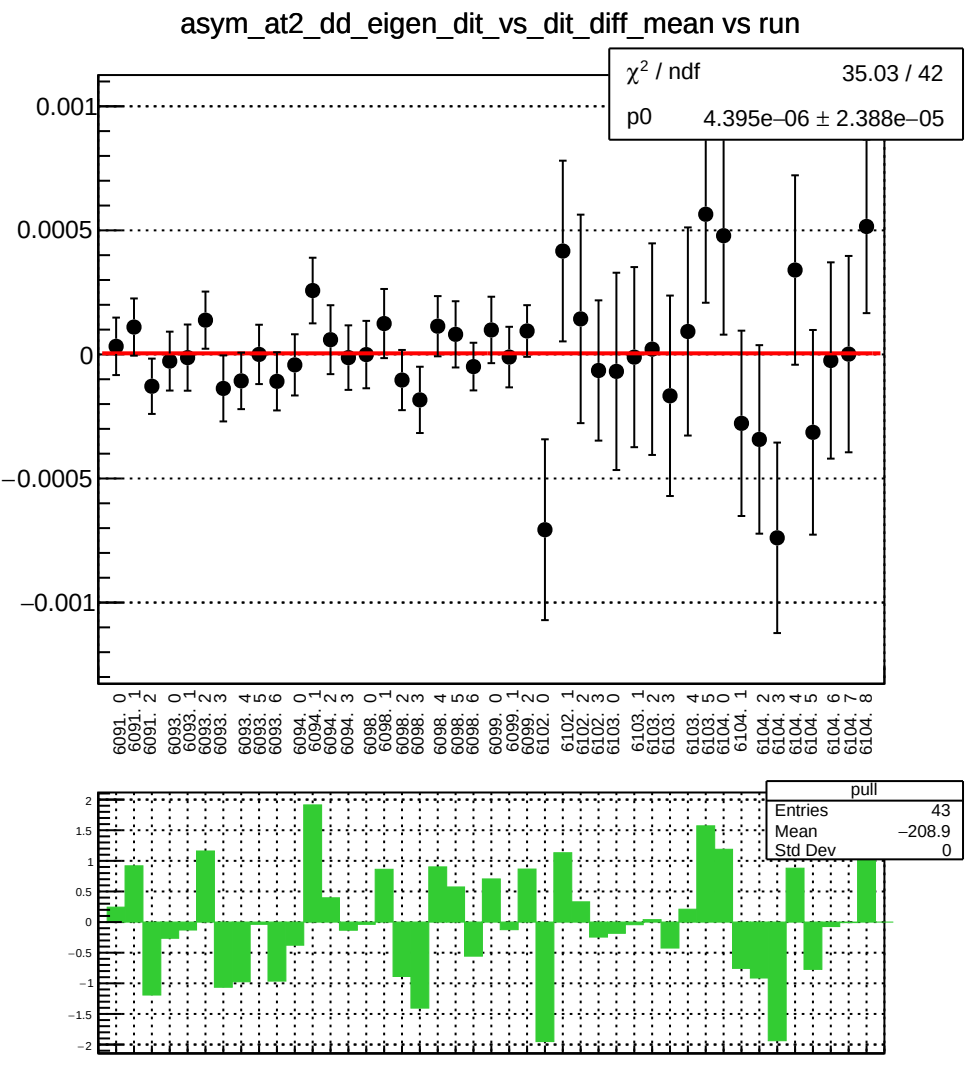
asym_at2_dd_dit_vs_eigen_cor_diff_mean vs run

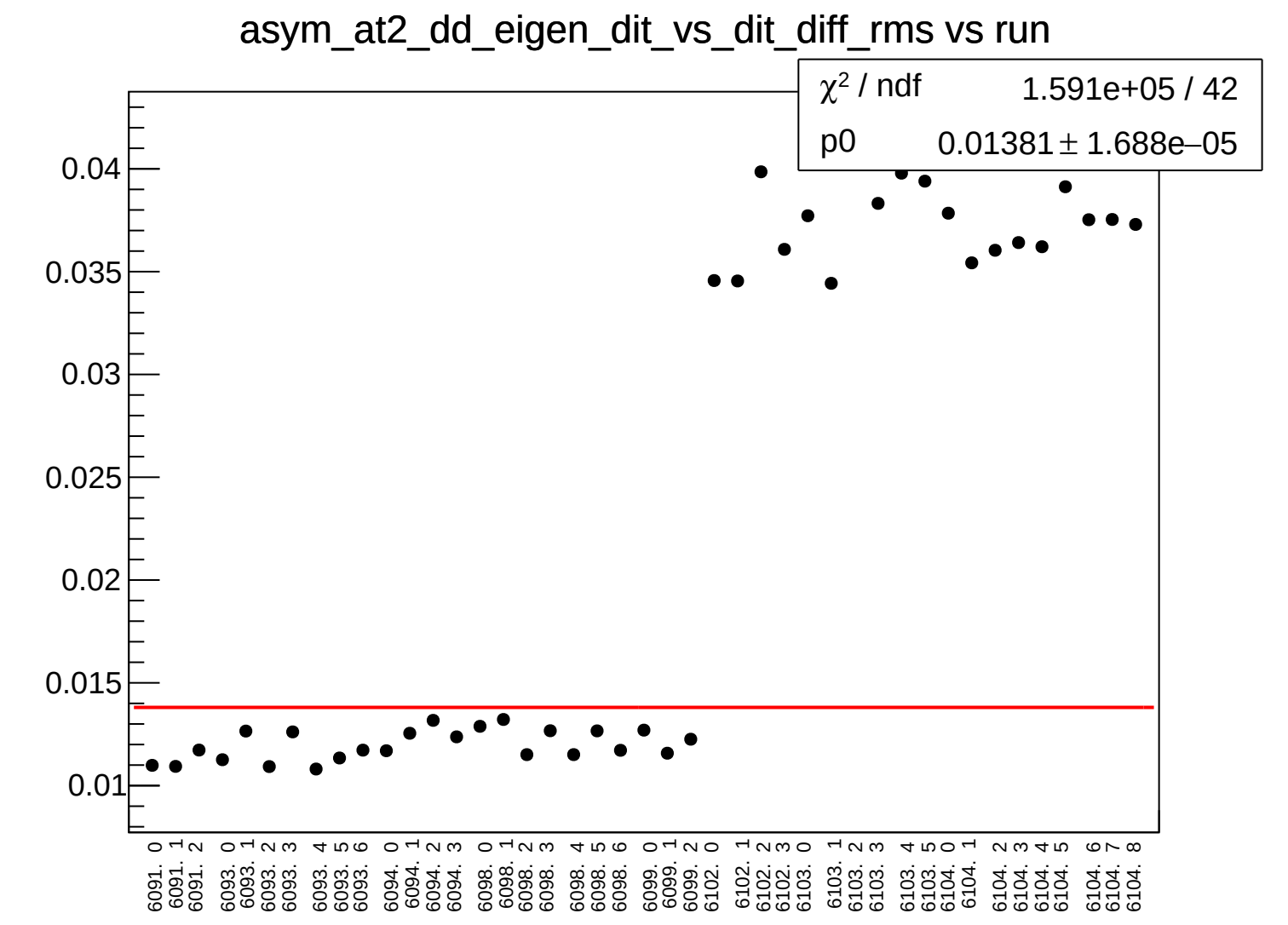




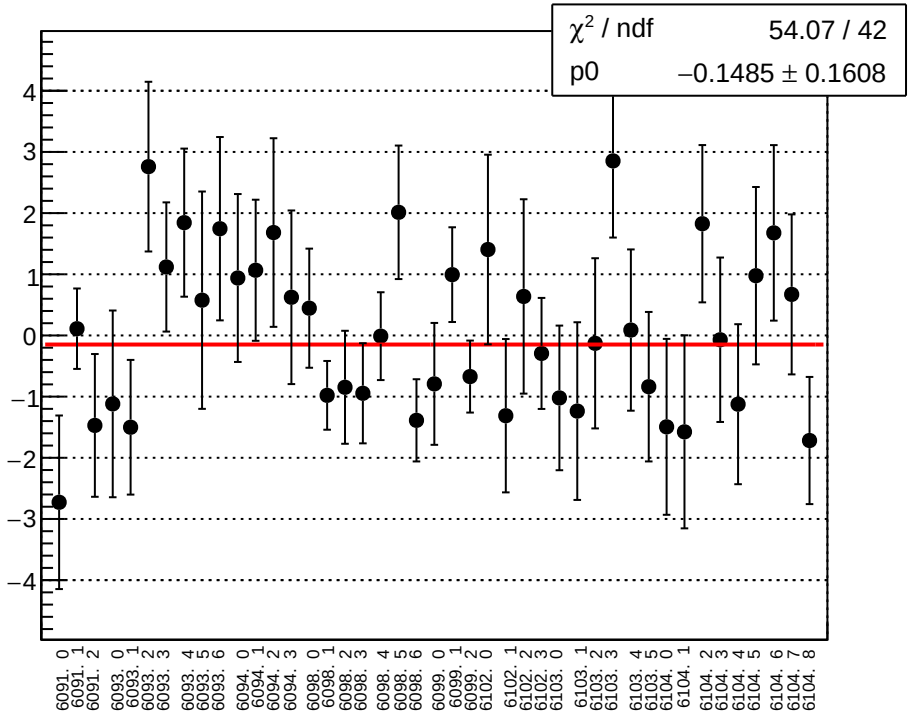


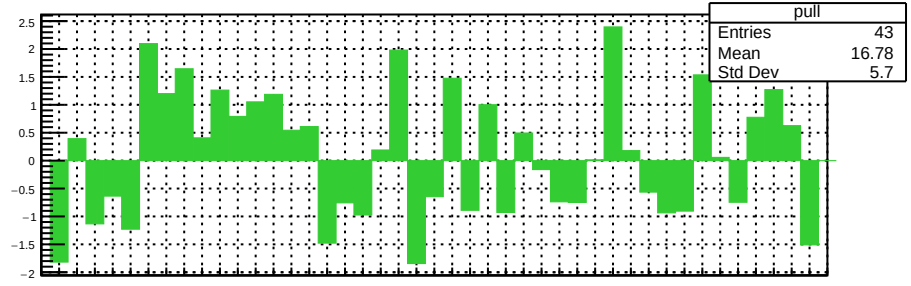

asym_at2_dd_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 6.916e+04 / 42
p0 99.05 ± 0.1137
180
160
140
120
100
80
60
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

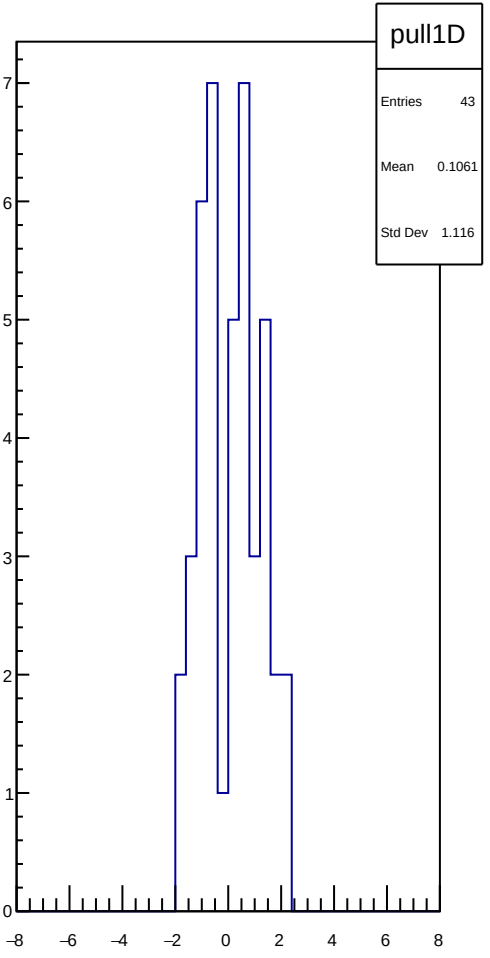

asym_at2_dd_eigen_dit_vs_dit_diff_mean vs run
χ² / ndf 35.03 / 42
p0 4.395e−06 ± 2.388e−05
0.001
0.0005
0
−0.0005
−0.001
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean −208.9
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 43
Mean −0.002027
Std Dev 0.9026
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

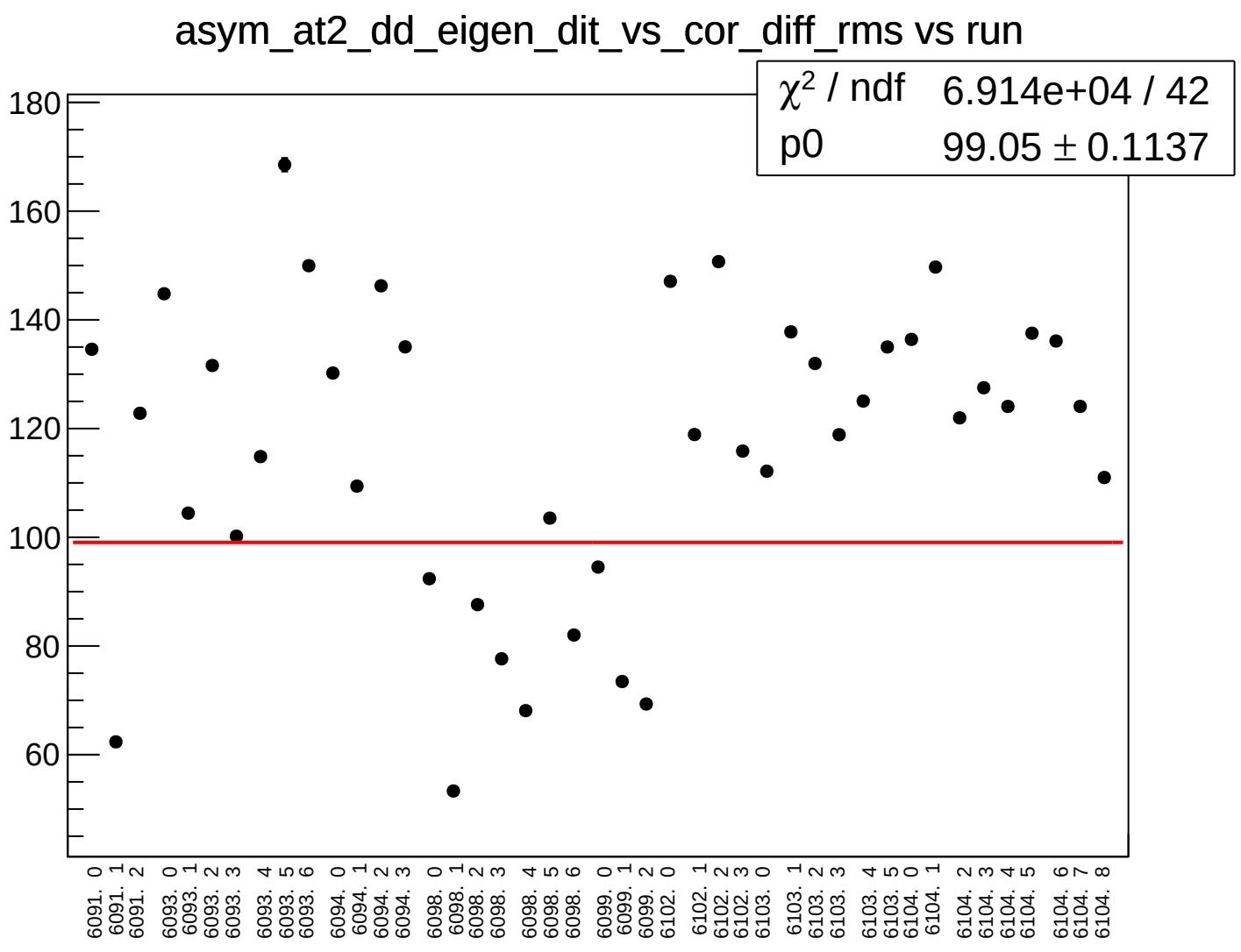

asym_at2_dd_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 1.591e+05 / 42
p0 0.01381 ± 1.688e–05
0.04
0.035
0.03
0.025
0.02
0.015
0.01
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

asym_at2_dd_eigen_dit_vs_cor_diff_mean vs run

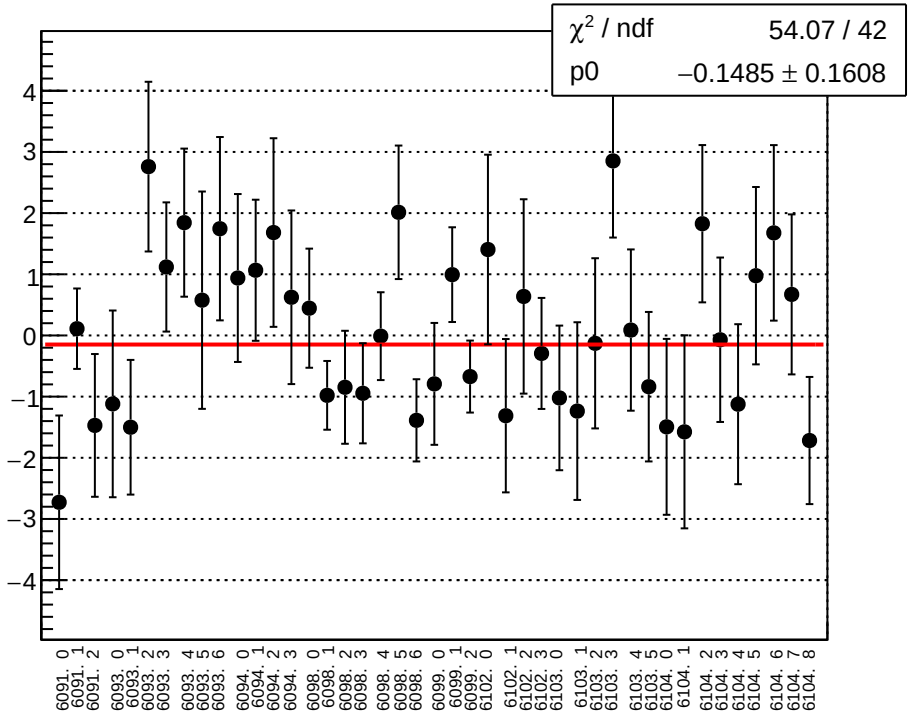


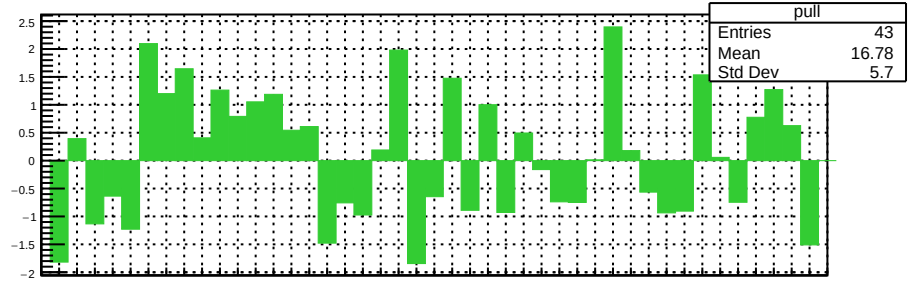


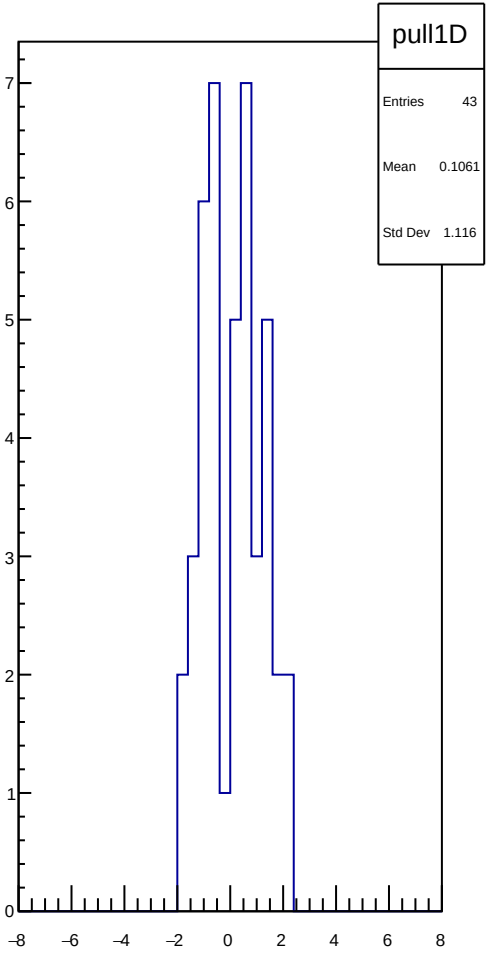


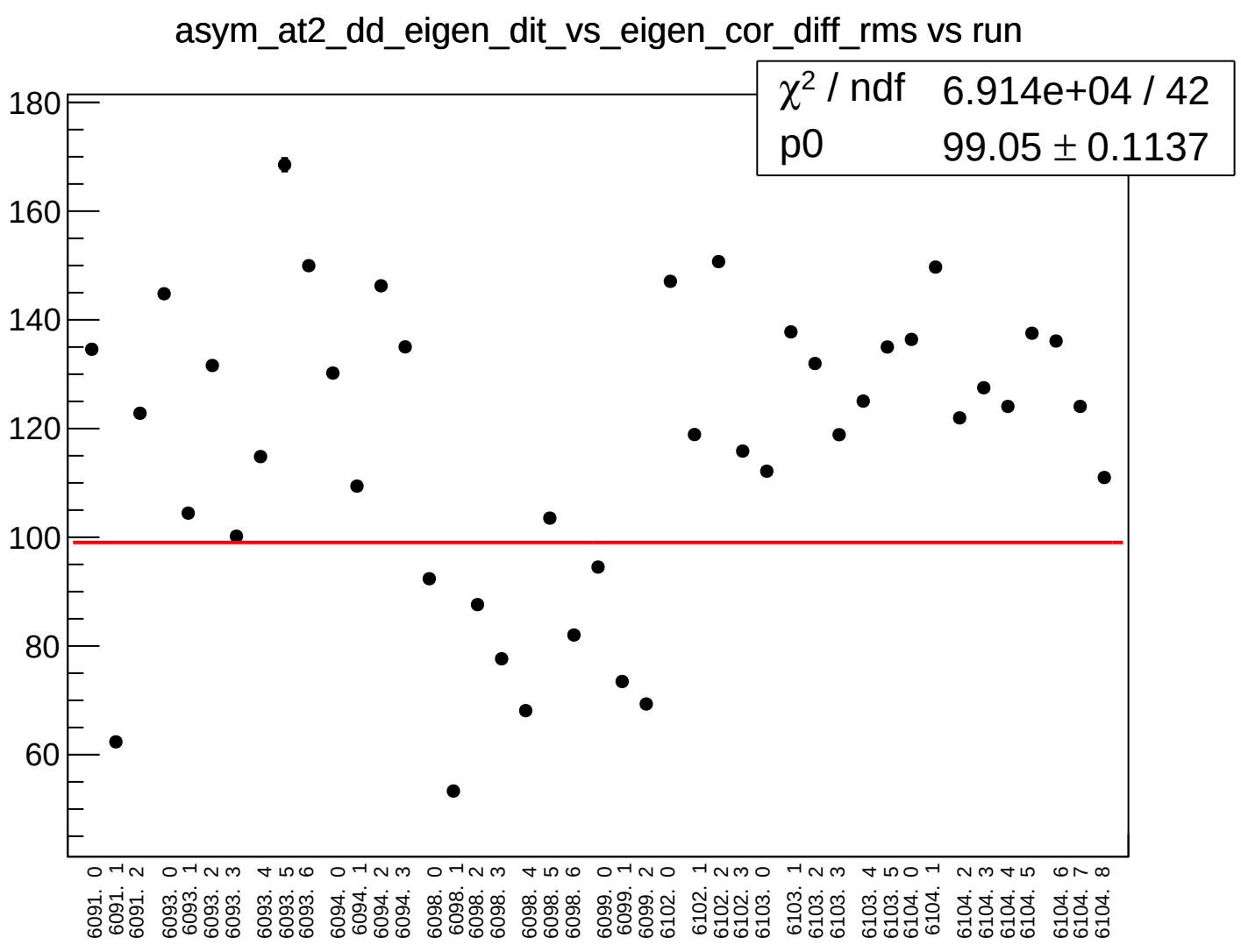

asym_at2_dd_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 6.914e+04 / 42
p0 99.05 ± 0.1137
180
160
140
120
100
80
60
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

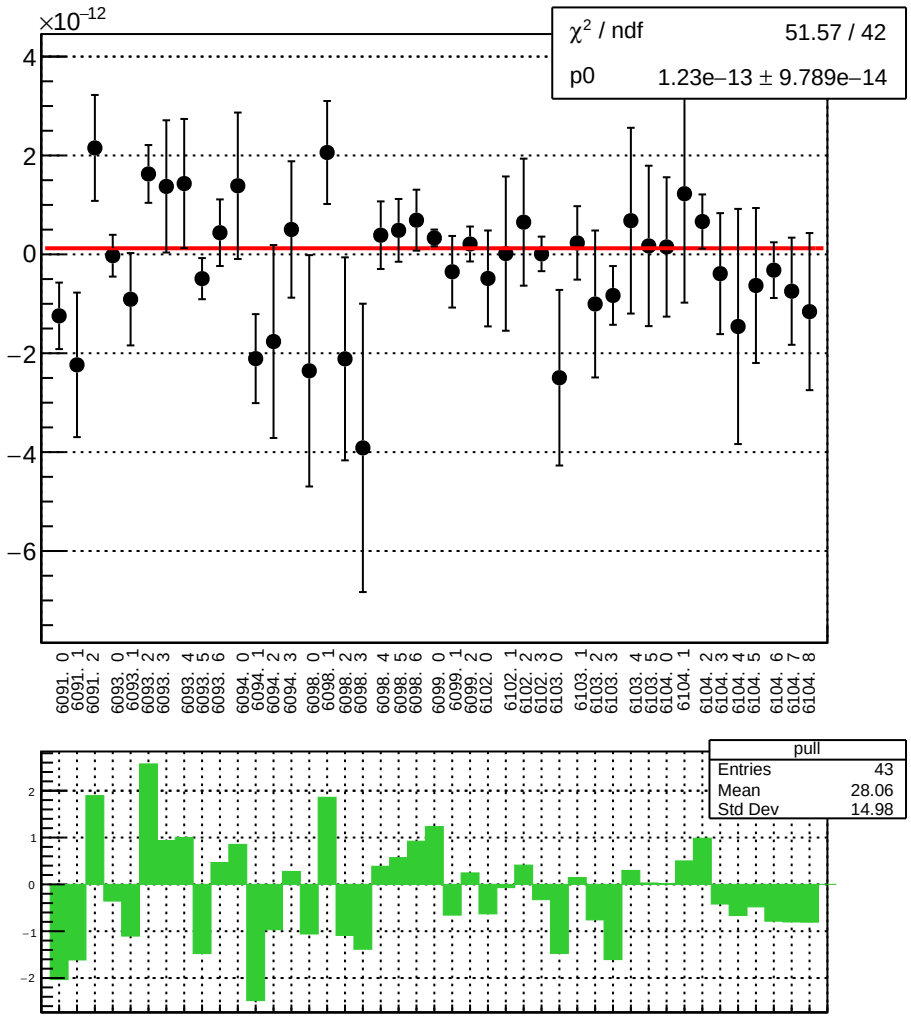
asym_at2_dd_eigen_dit_vs_eigen_cor_diff_mean vs run

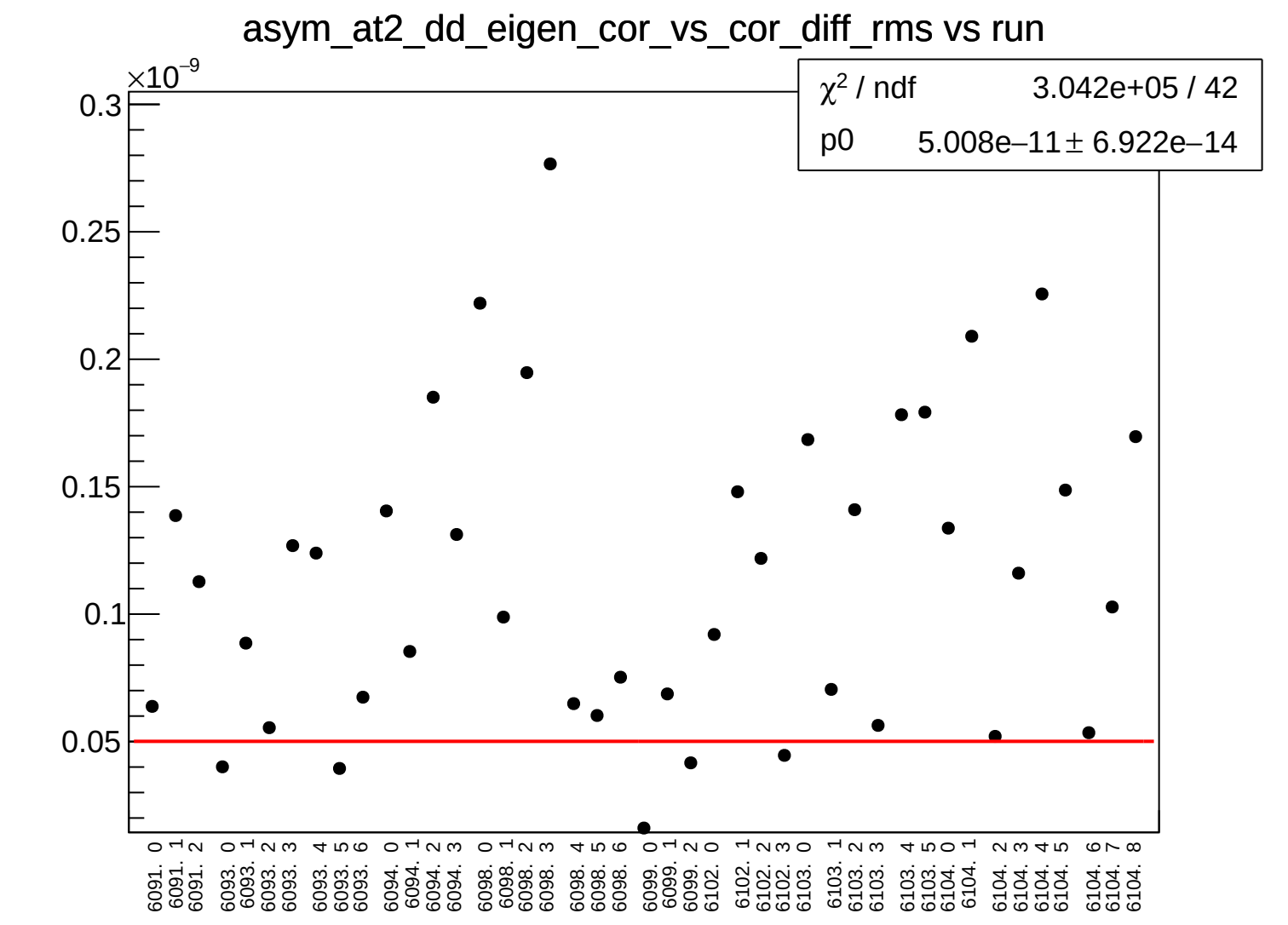


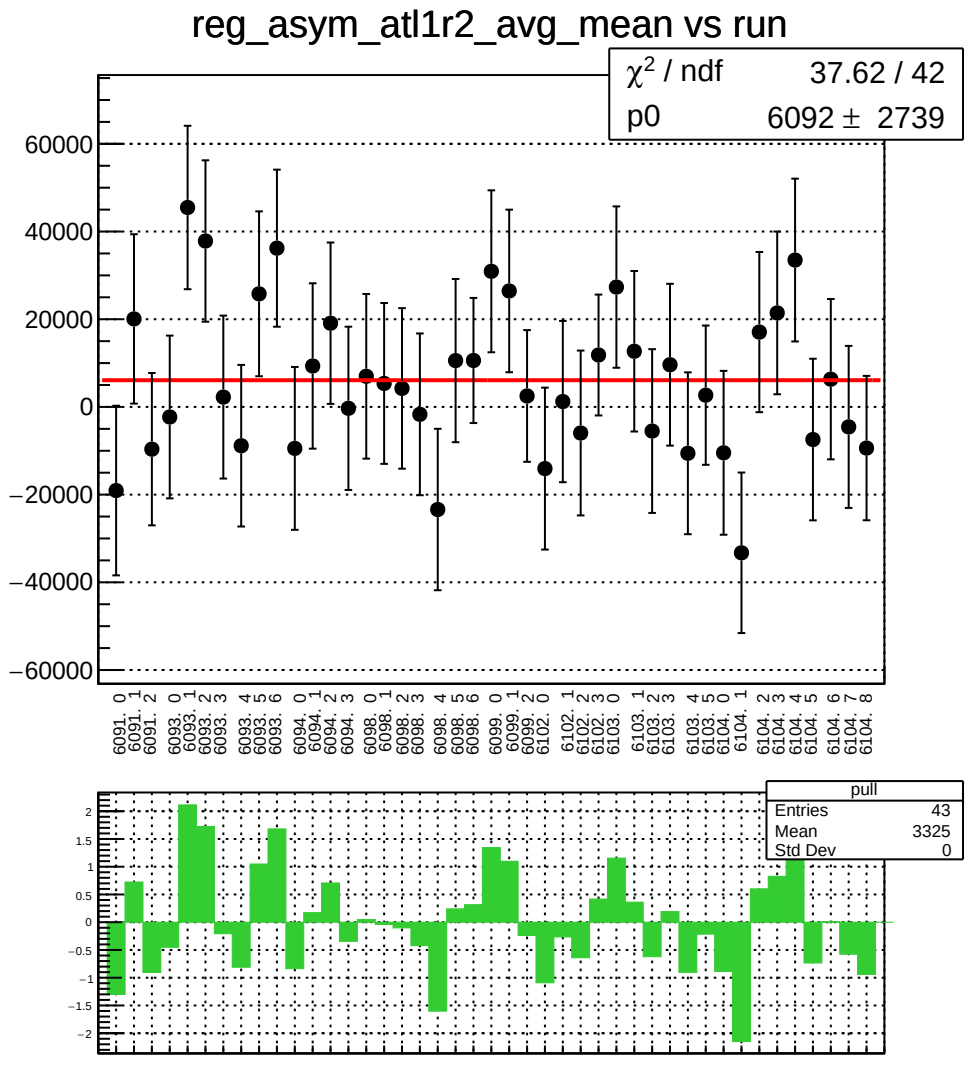


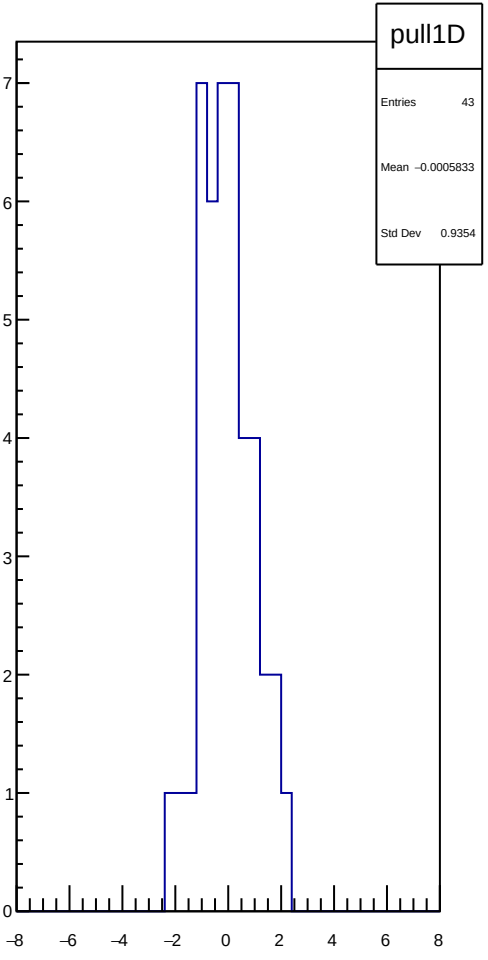


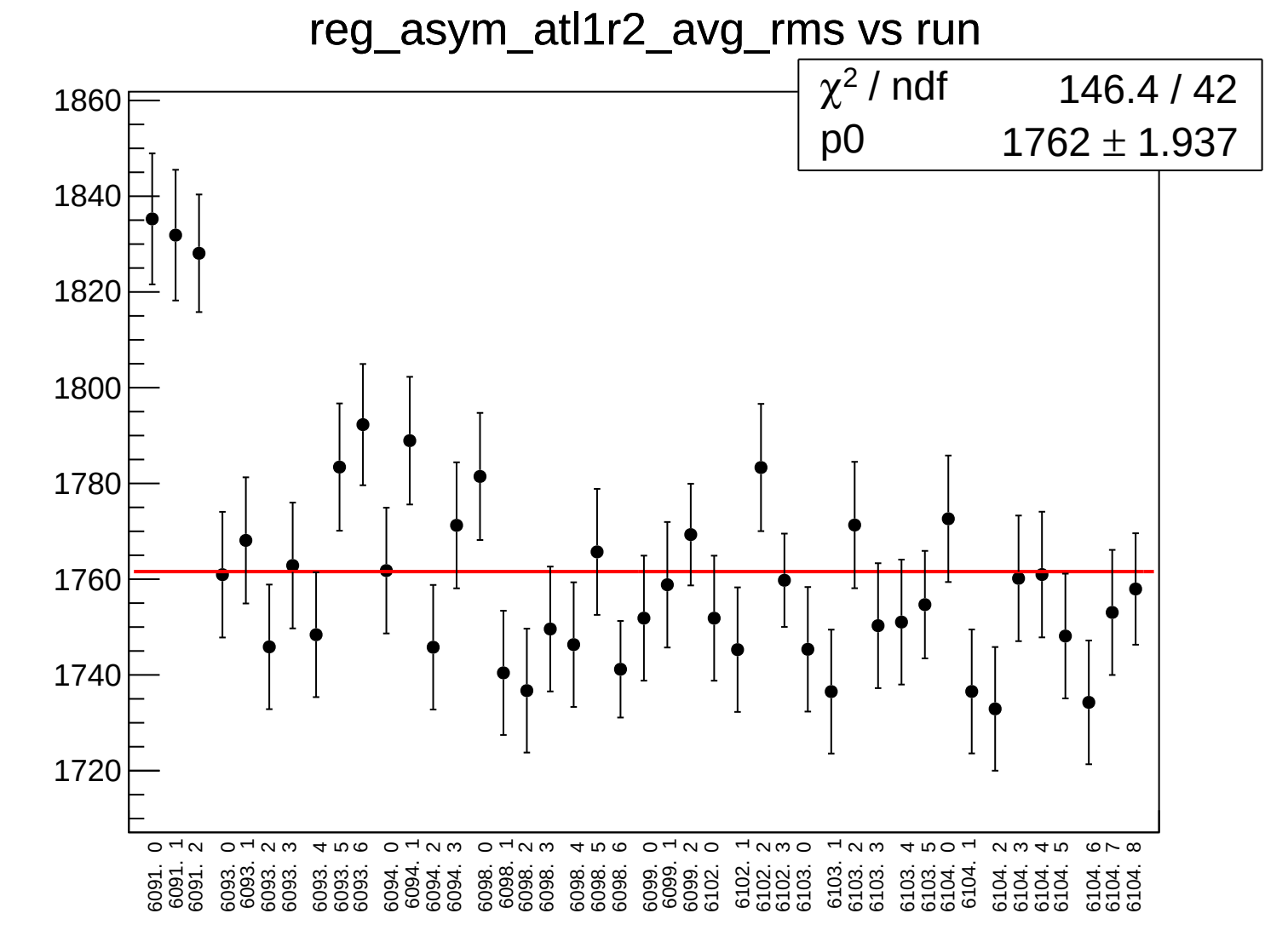

asym_at2_dd_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 6.914e+04 / 42
p0 99.05 ± 0.1137
180
160
140
120
100
80
60
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

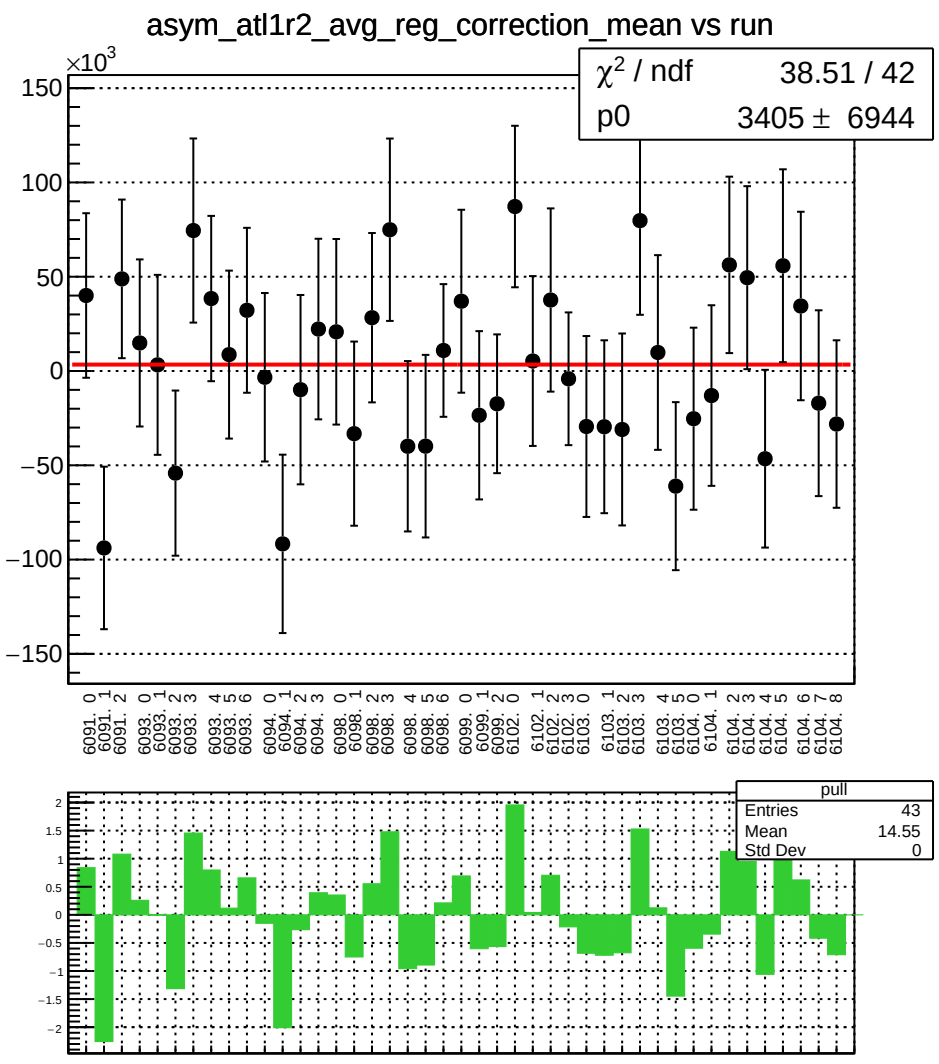

asym_at2_dd_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 51.57 / 42
p0 1.23e−13 ± 9.789e−14
4
2
0
−2
−4
−6
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 28.06
Std Dev 14.98
2
1
0
−1
−2
pull1D
Entries 43
Mean −0.1728
Std Dev 1.081
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

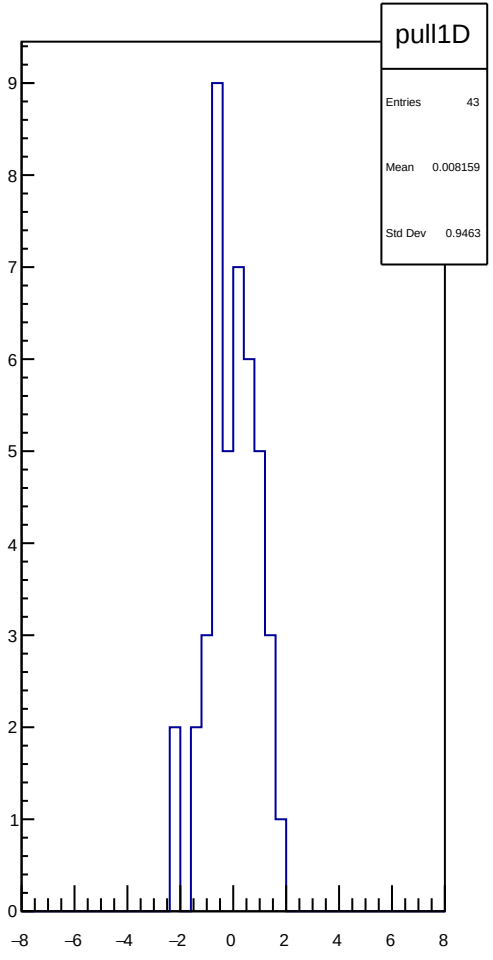

asym_at2_dd_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 3.042e+05 / 42
p0 5.008e−11 ± 6.922e−14
0.3
0.25
0.2
0.15
0.1
0.05
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

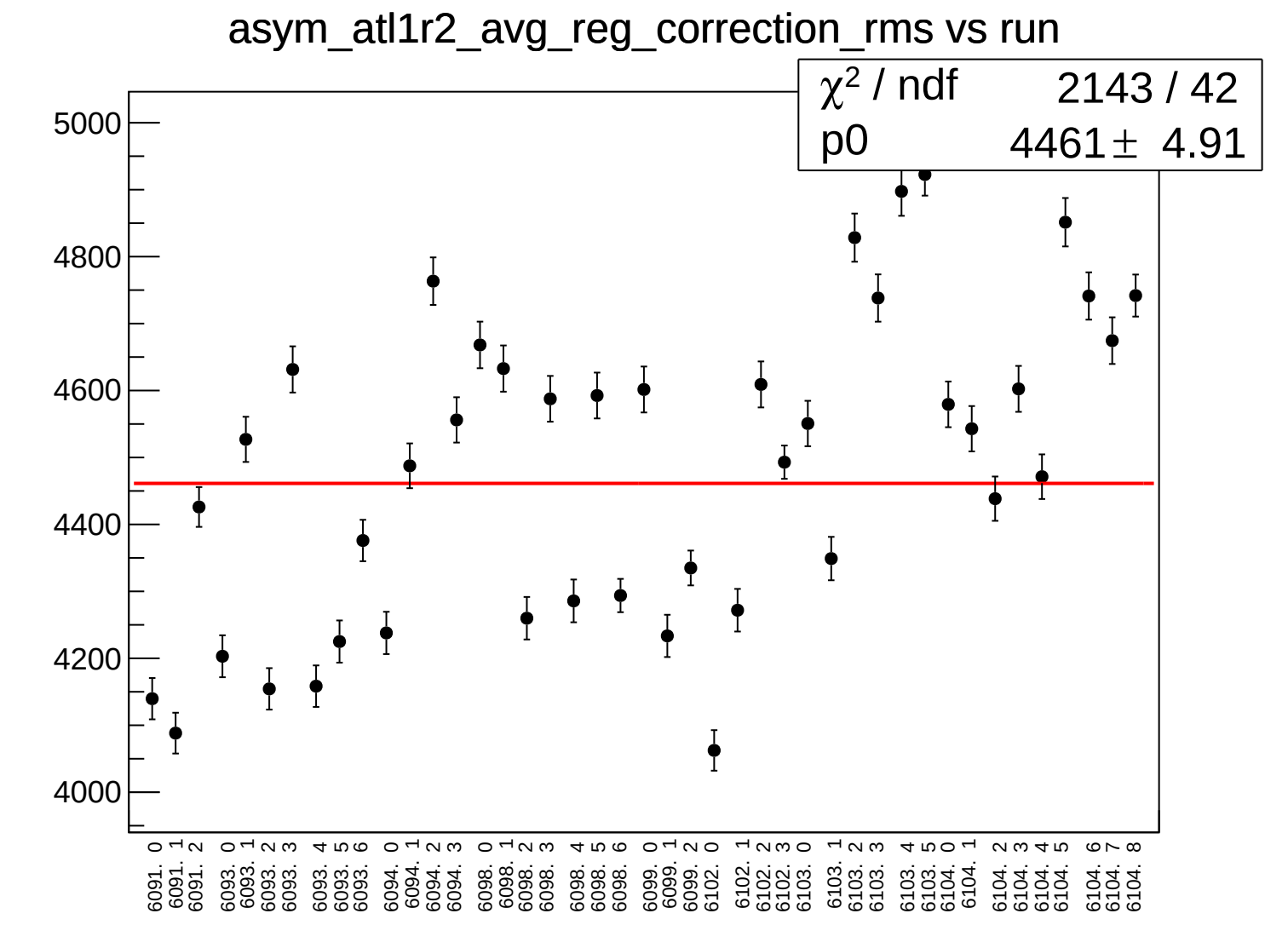

reg_asym_atl1r2_avg_mean vs run
χ² / ndf 37.62 / 42
p0 6092 ± 2739
60000
40000
20000
0
−20000
−40000
−60000
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 3325
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

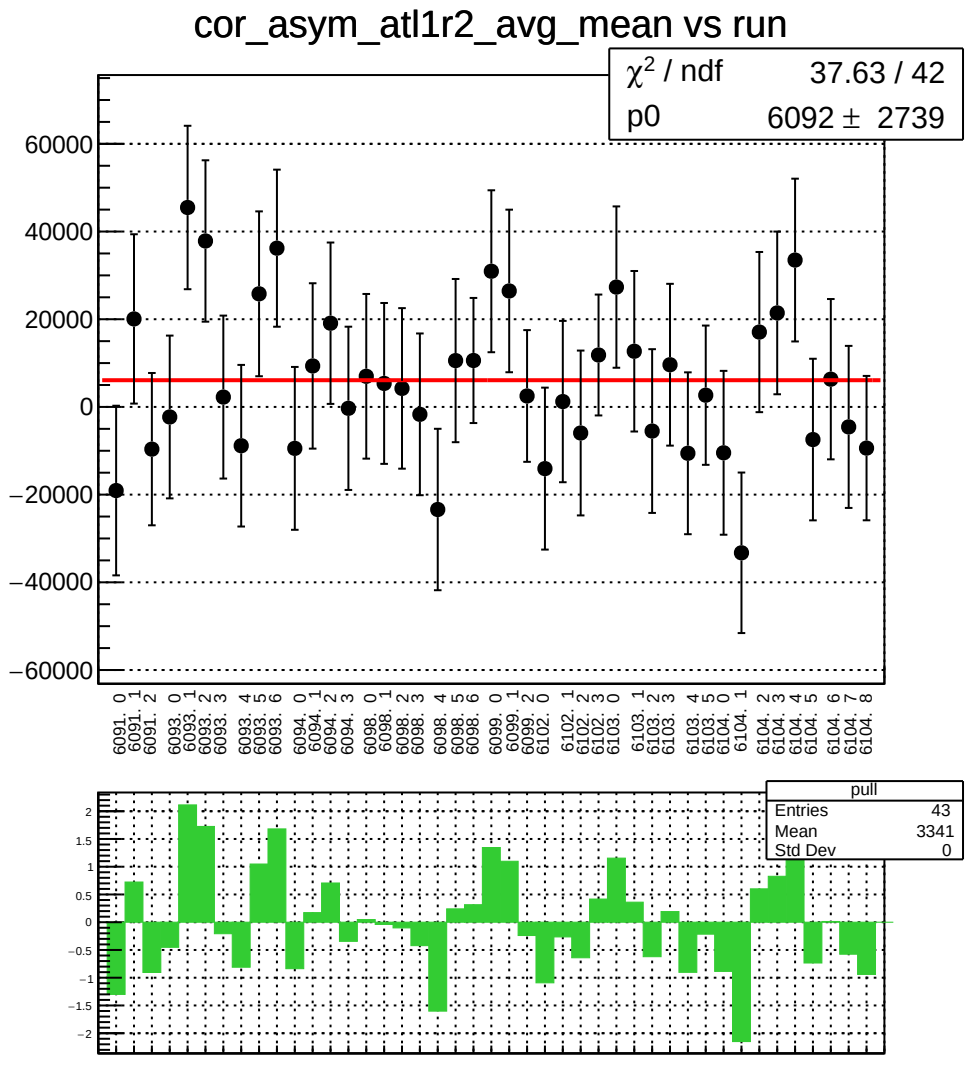

pull1D
Entries 43
Mean −0.0005833
Std Dev 0.9354
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

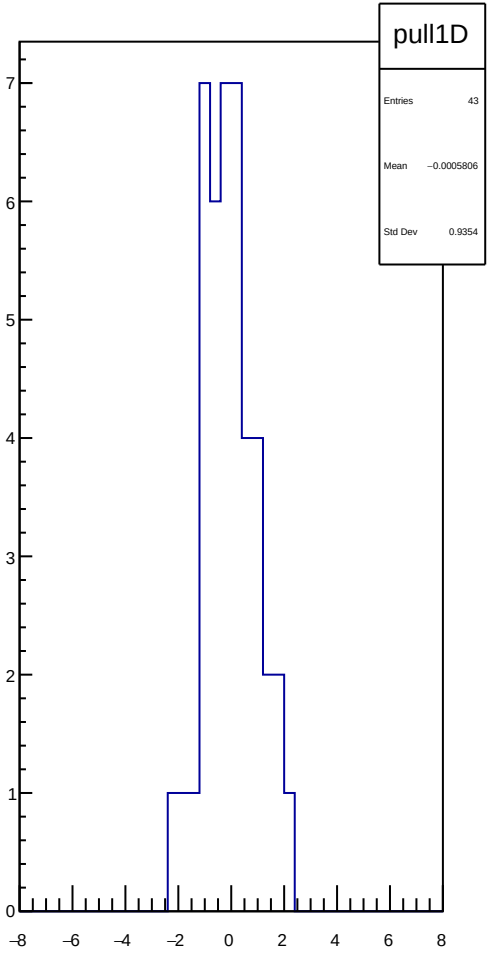

reg_asym_atl1r2_avg_rms vs run
χ² / ndf 146.4 / 42
p0 1762 ± 1.937
1860
1840
1820
1800
1780
1760
1740
1720
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

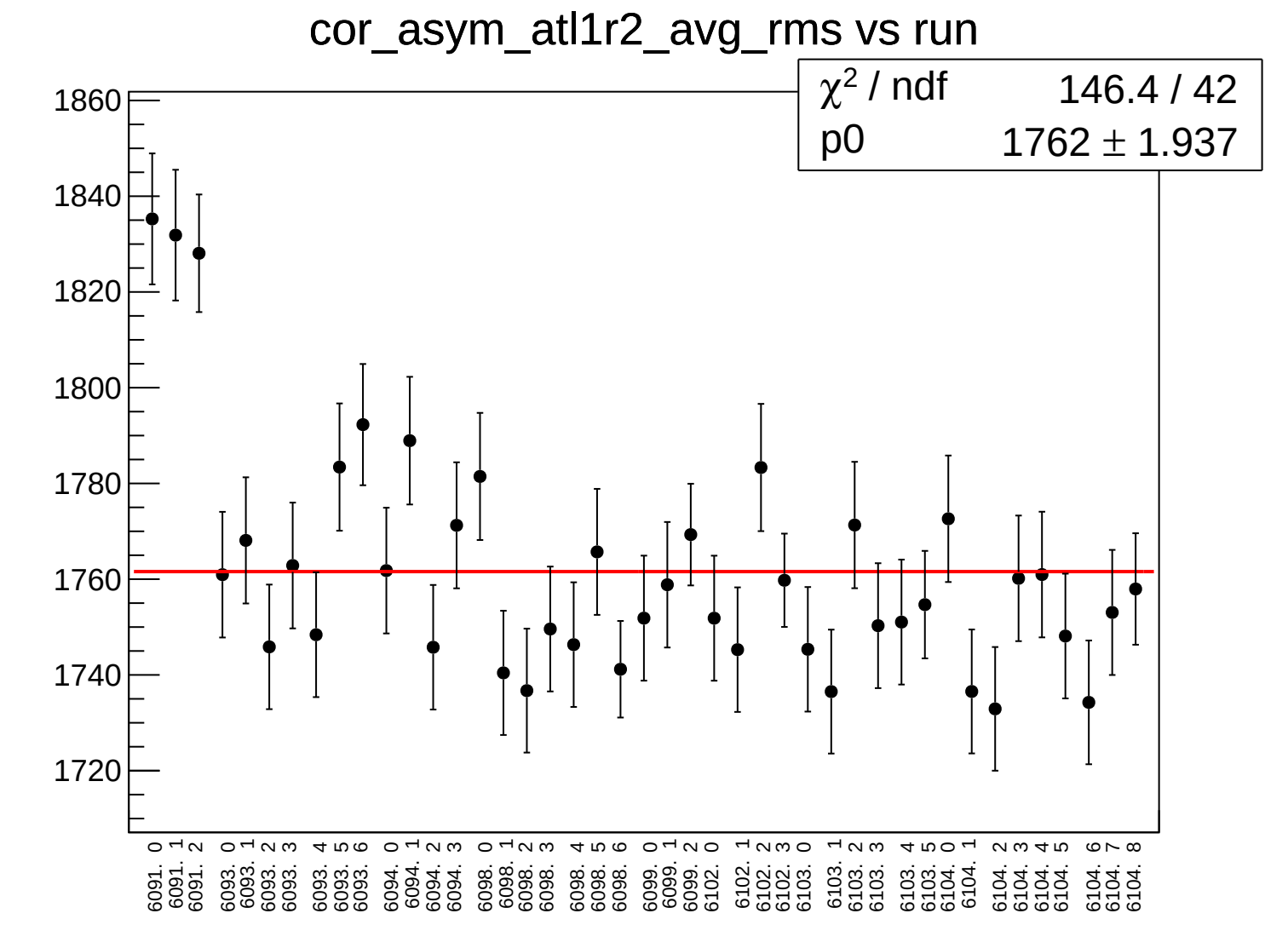

asym_atl1r2_avg_reg_correction_mean vs run
×10^3
χ² / ndf 38.51 / 42
p0 3405 ± 6944
150
100
50
0
−50
−100
−150
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 14.55
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

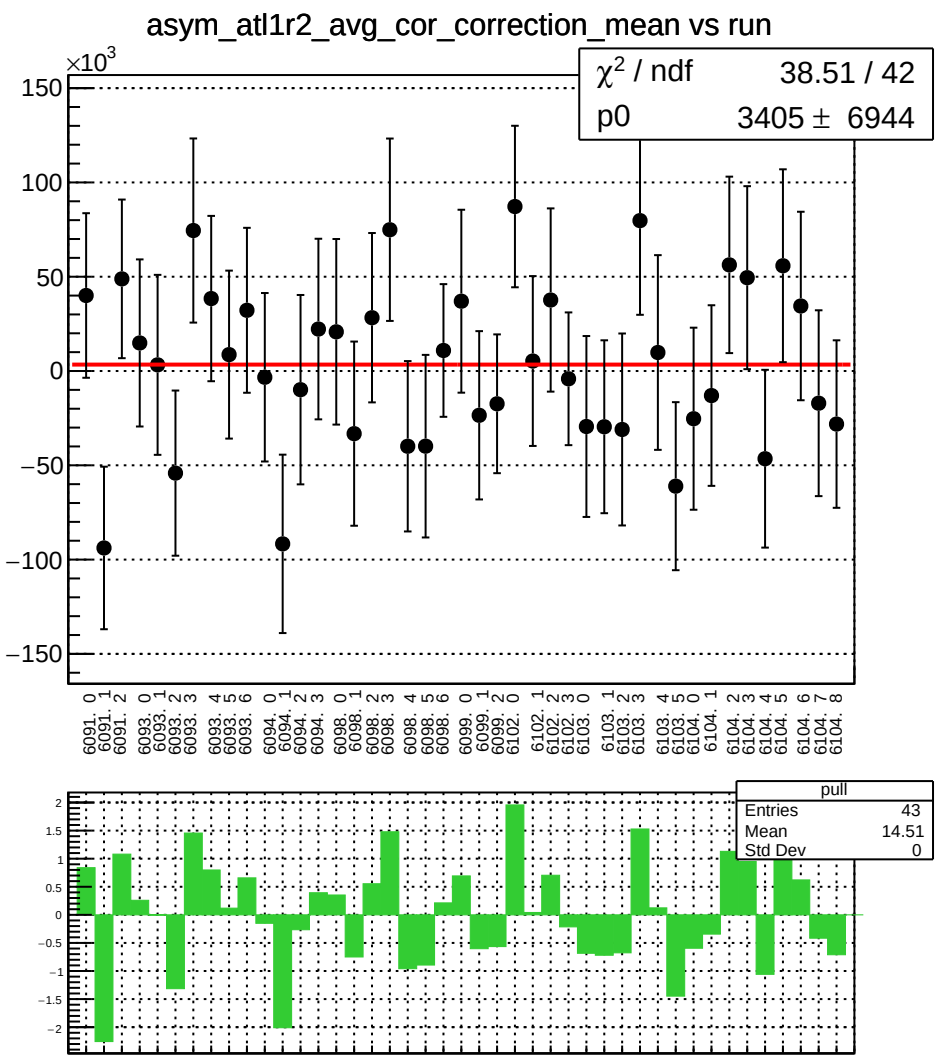

pull1D
Entries 43
Mean 0.008159
Std Dev 0.9463
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

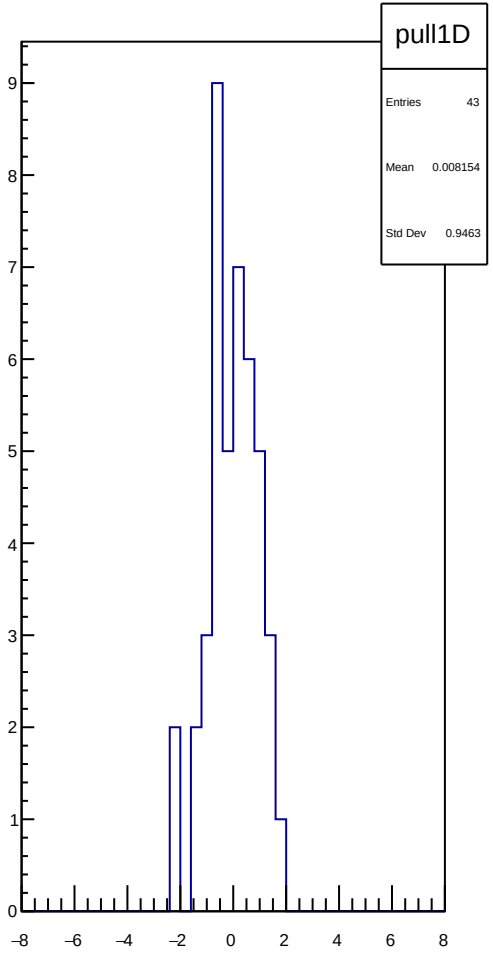

asym_atl1r2_avg_reg_correction_rms vs run
χ² / ndf 2143 / 42
p0 4461 ± 4.91
5000
4800
4600
4400
4200
4000
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

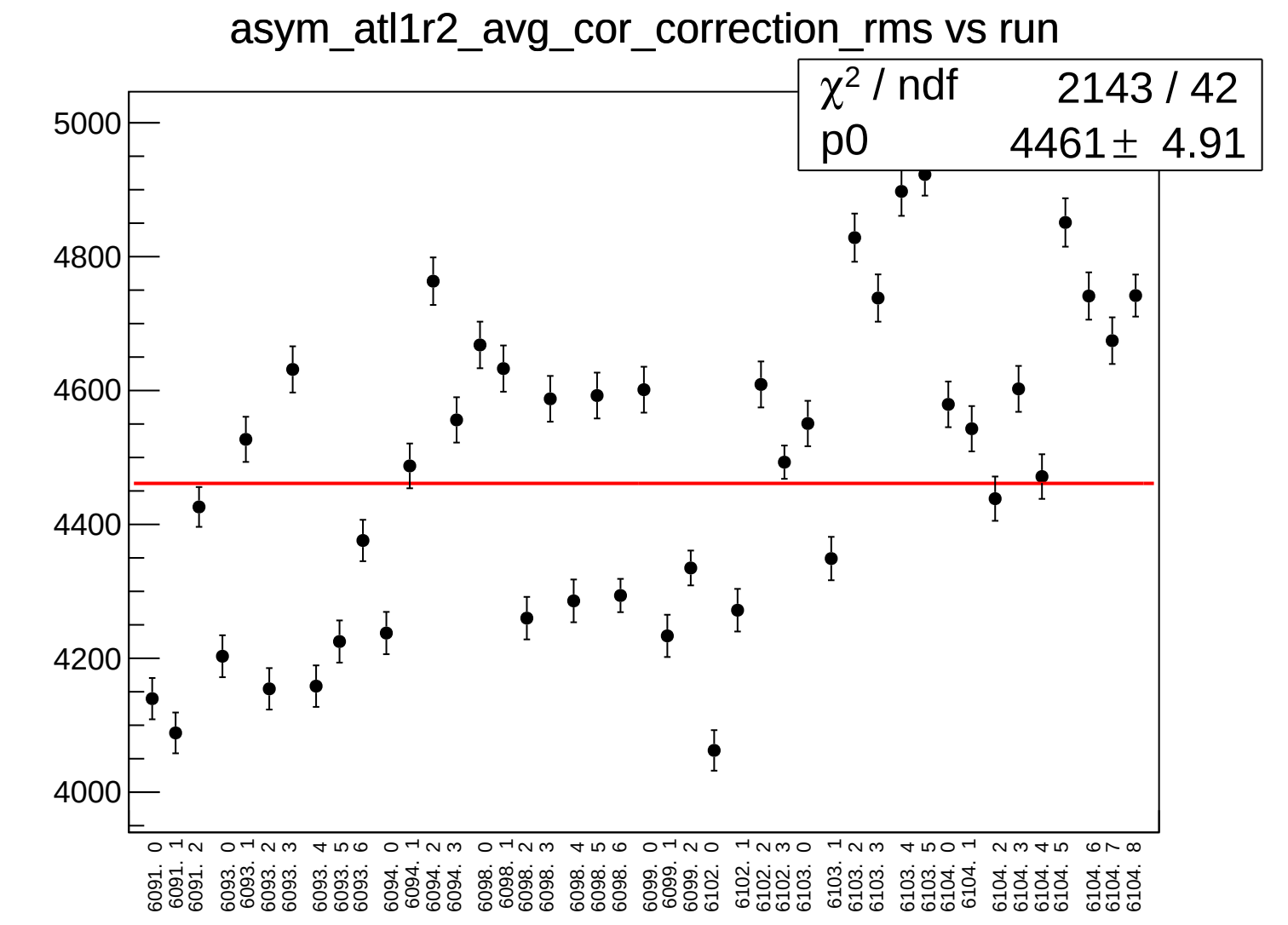

cor_asym_atl1r2_avg_mean vs run
χ² / ndf 37.63 / 42
p0 6092 ± 2739
60000
40000
20000
0
−20000
−40000
−60000
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 3341
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

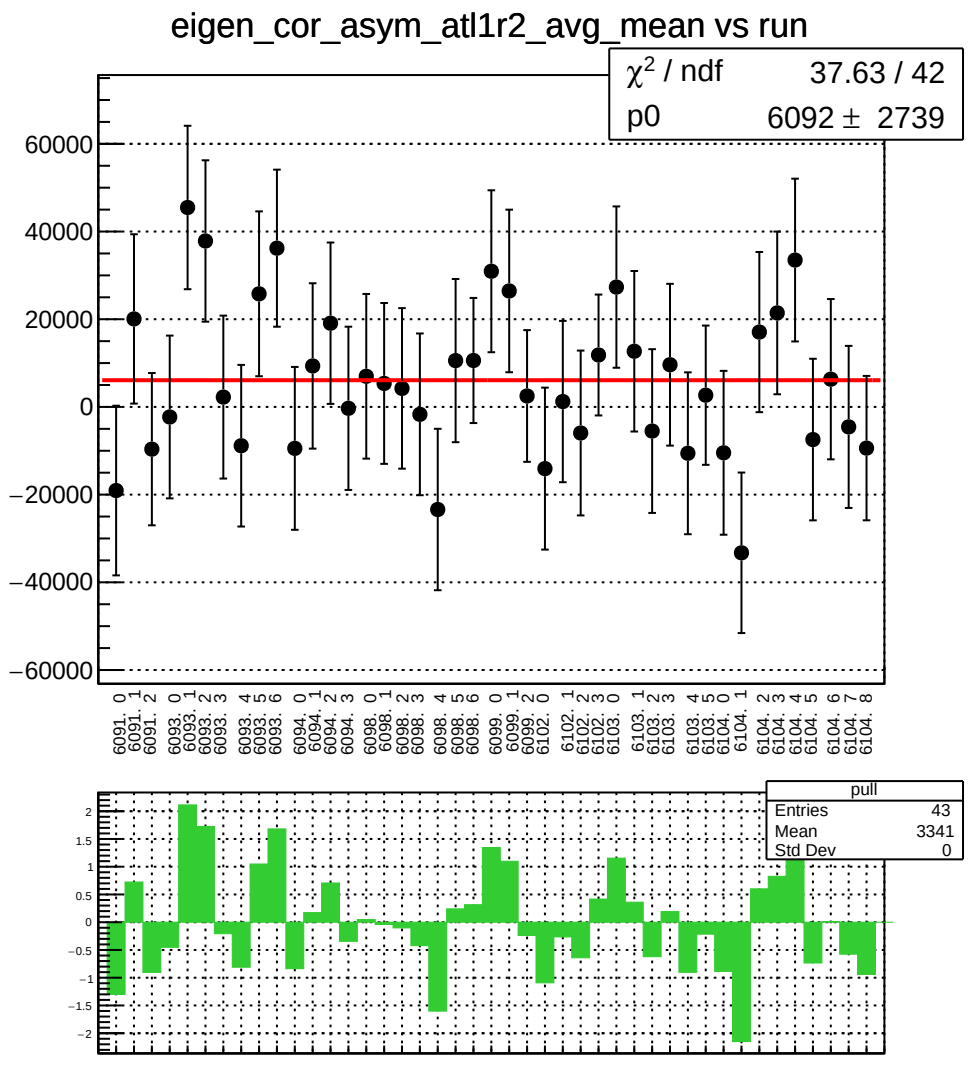

pull1D
Entries 43
Mean −0.0005806
Std Dev 0.9354
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

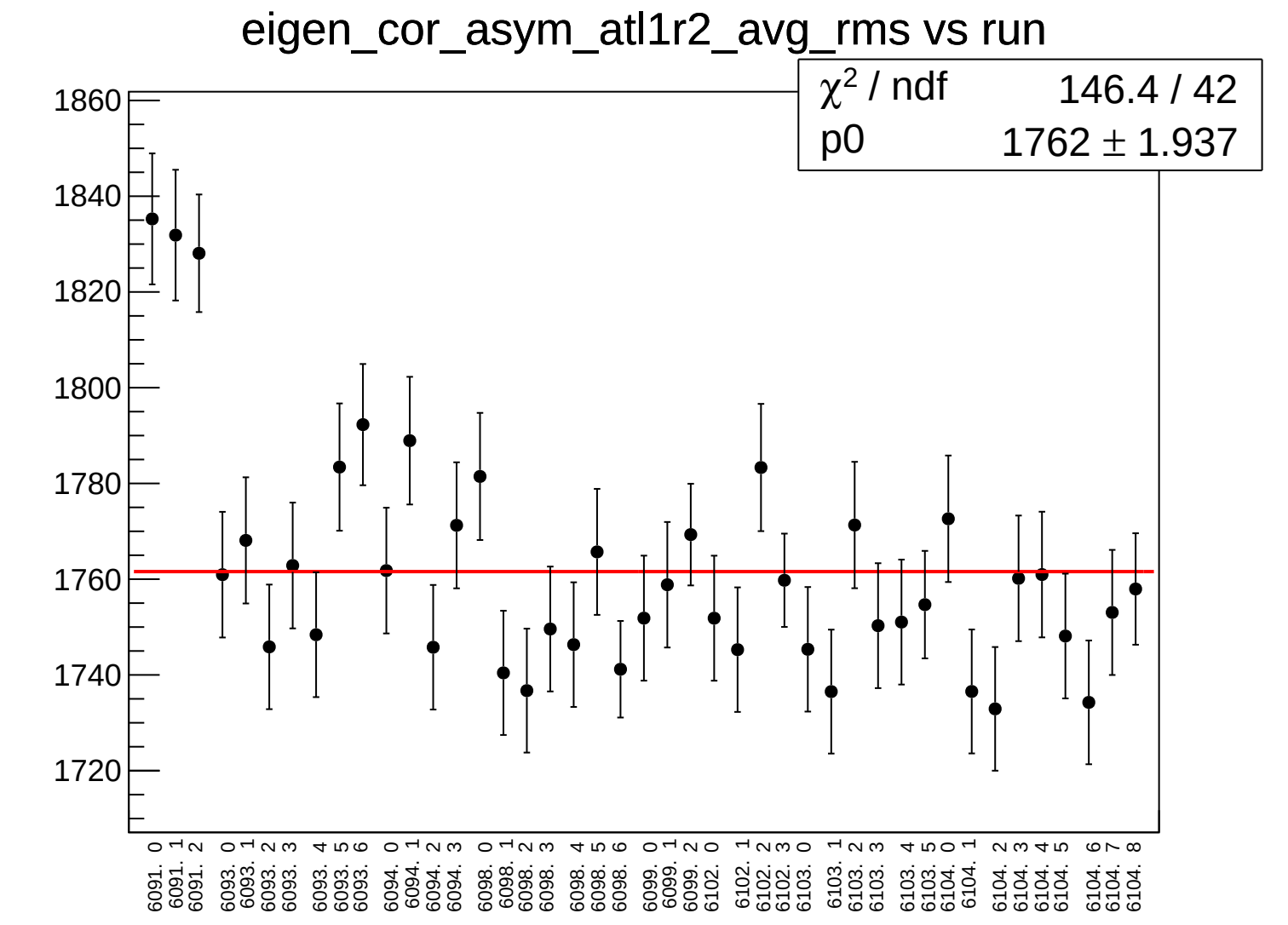

cor_asym_atl1r2_avg_rms vs run
χ² / ndf 146.4 / 42
p0 1762 ± 1.937
1860
1840
1820
1800
1780
1760
1740
1720
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

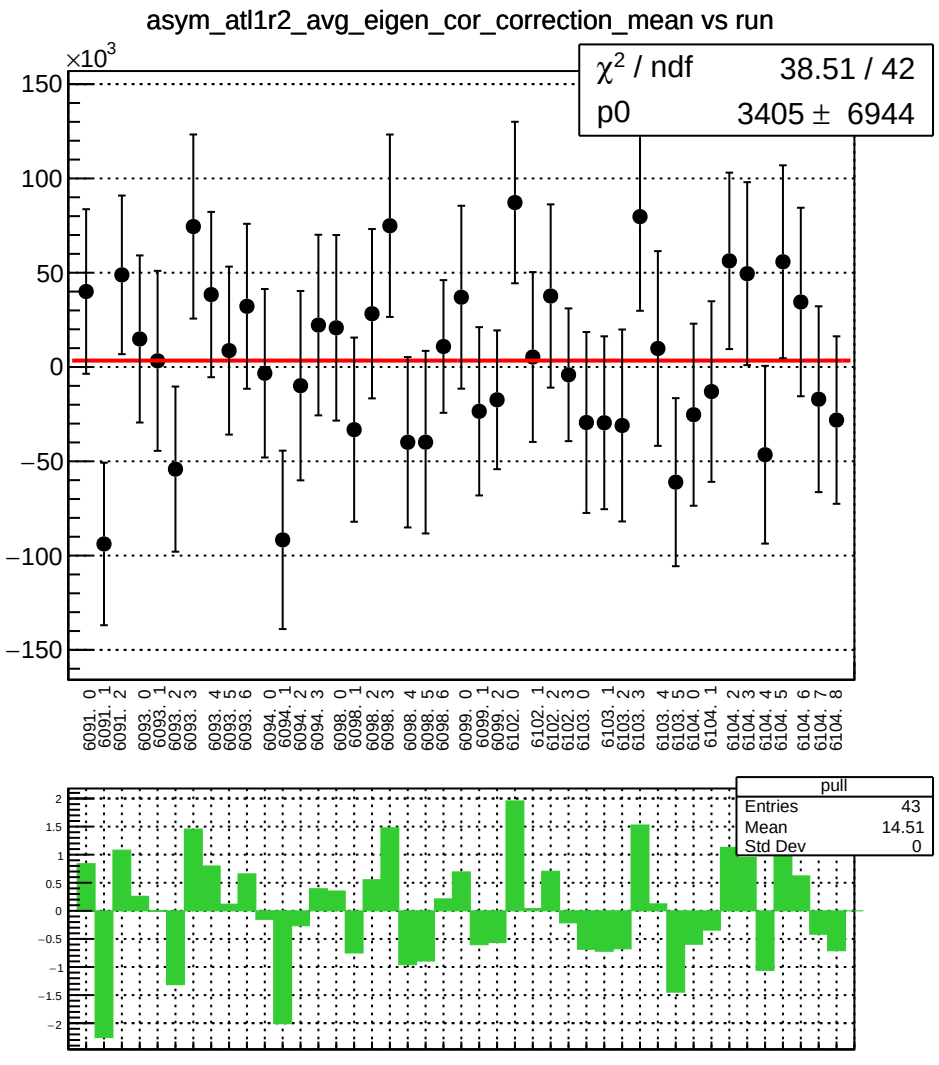

asym_atl1r2_avg_cor_correction_mean vs run
χ² / ndf 38.51 / 42
p0 3405 ± 6944
×10³
150
100
50
0
−50
−100
−150
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 14.51
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

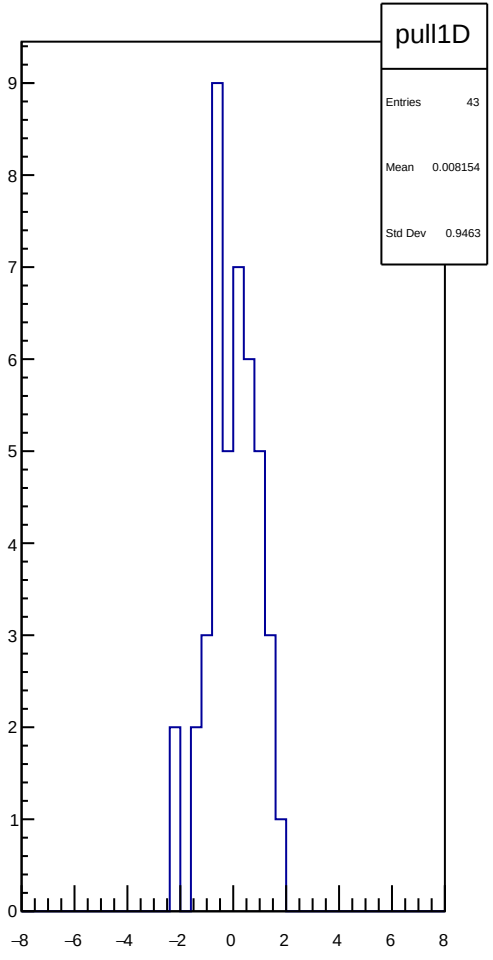

pull1D
Entries 43
Mean 0.008154
Std Dev 0.9463
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

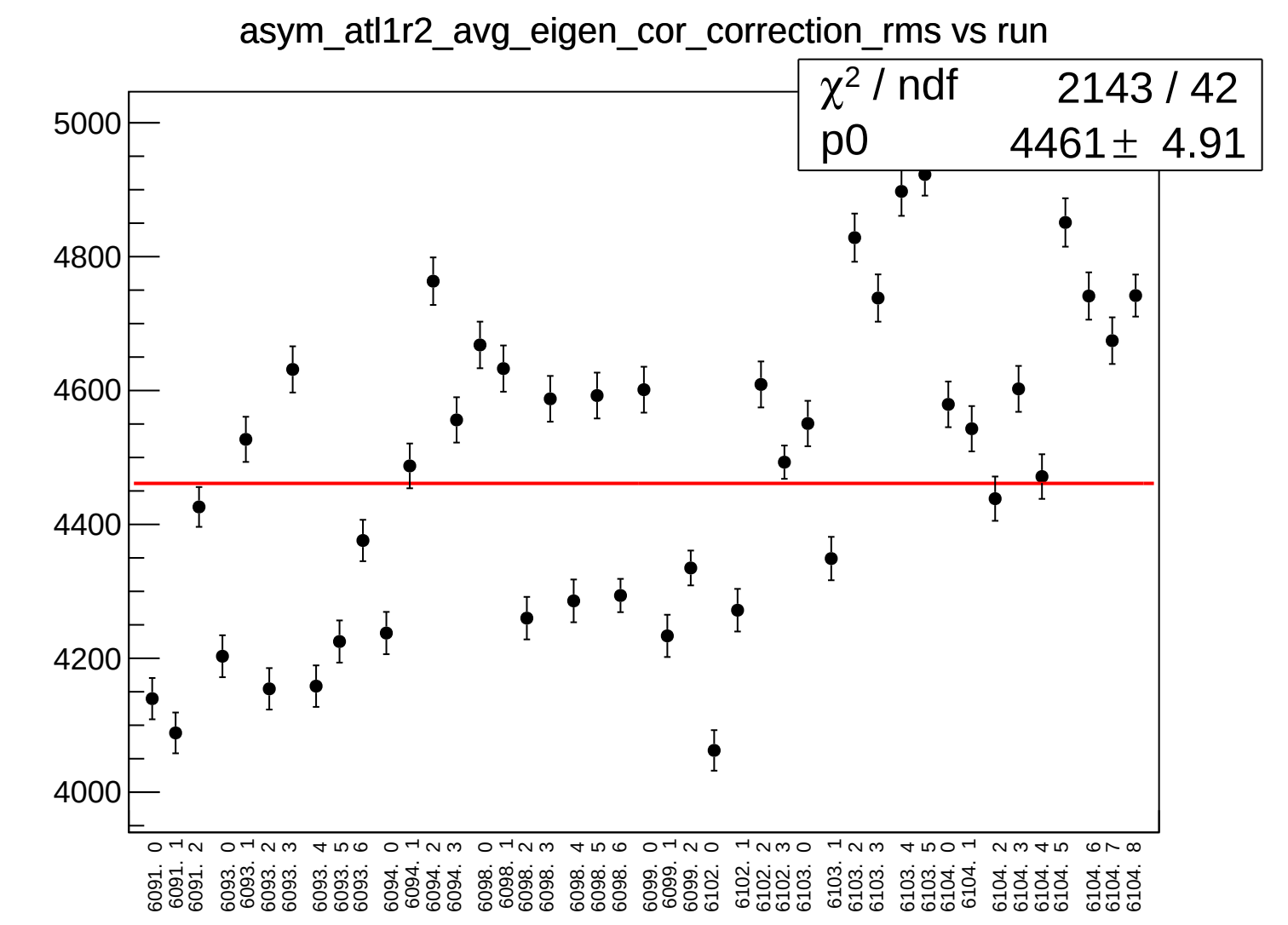

asym_atl1r2_avg_cor_correction_rms vs run
χ² / ndf 2143 / 42
p0 4461 ± 4.91
5000
4800
4600
4400
4200
4000
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

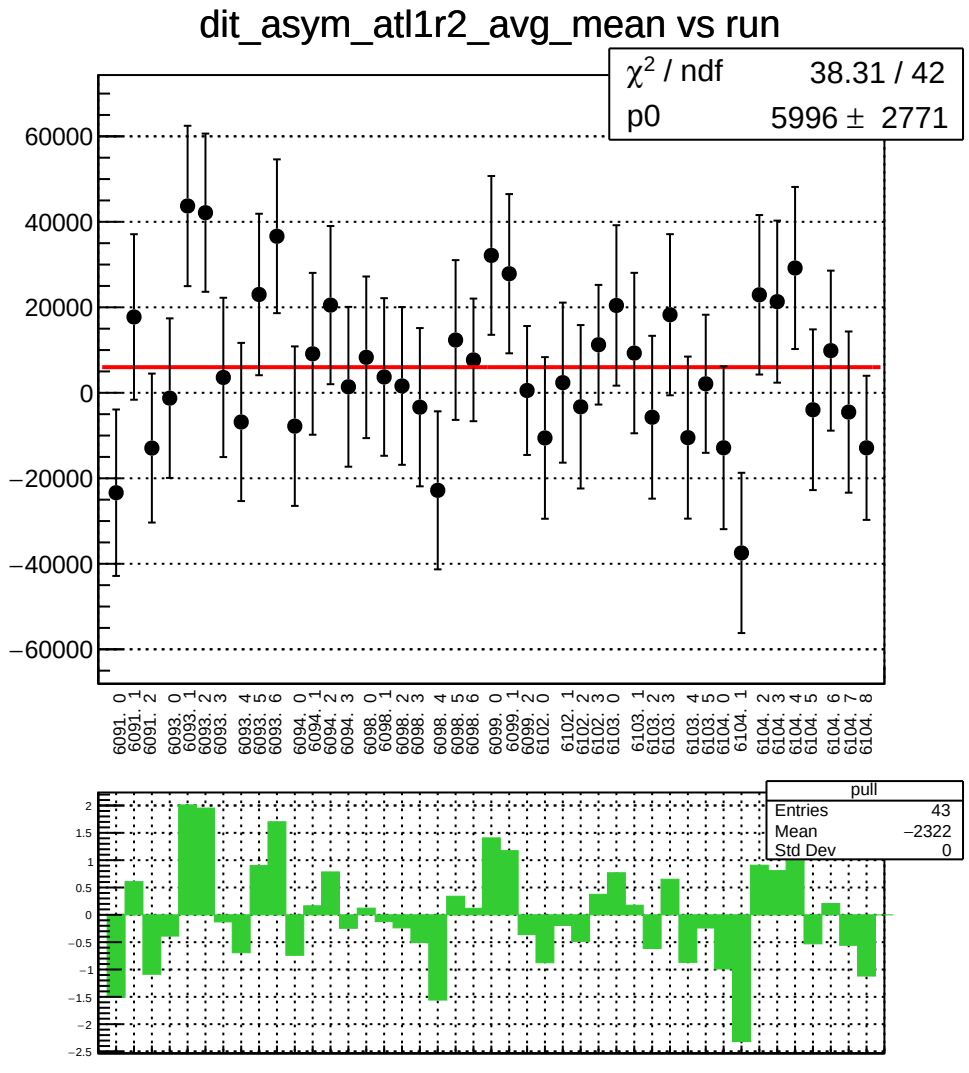

eigen_cor_asym_atl1r2_avg_mean vs run
χ² / ndf 37.63 / 42
p0 6092 ± 2739
60000
40000
20000
0
−20000
−40000
−60000
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 3341
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 43
Mean −0.0005806
Std Dev 0.9354
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

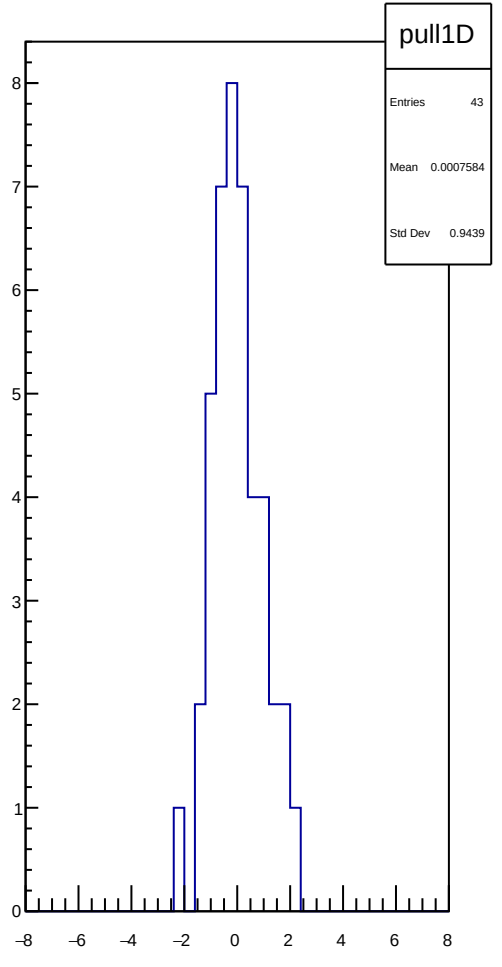

eigen_cor_asym_atl1r2_avg_rms vs run
χ² / ndf 146.4 / 42
p0 1762 ± 1.937
1860
1840
1820
1800
1780
1760
1740
1720
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

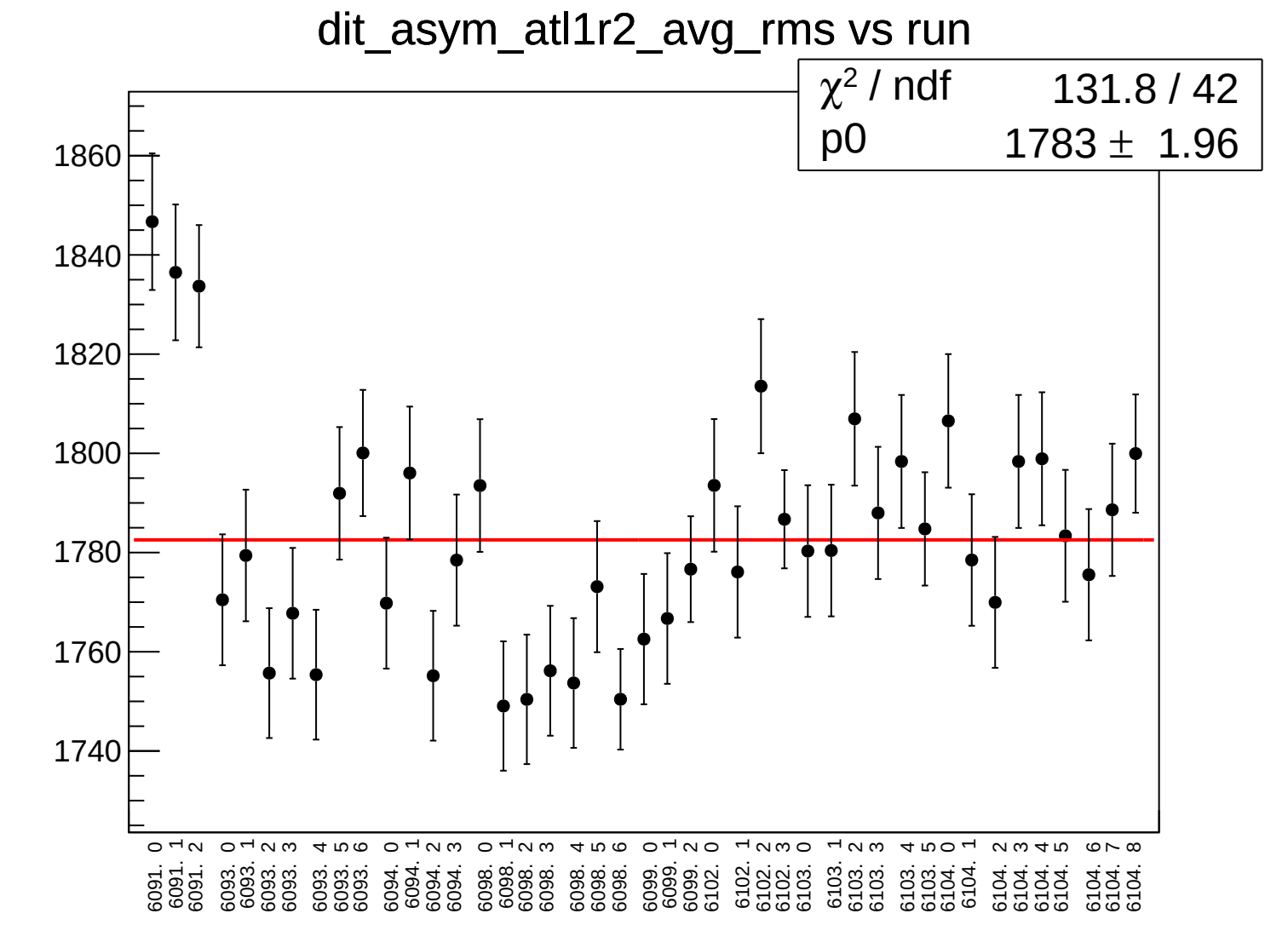

asym_atl1r2_avg_eigen_cor_correction_mean vs run
×10^3
χ² / ndf 38.51 / 42
p0 3405 ± 6944
150
100
50
0
−50
−100
−150
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 14.51
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

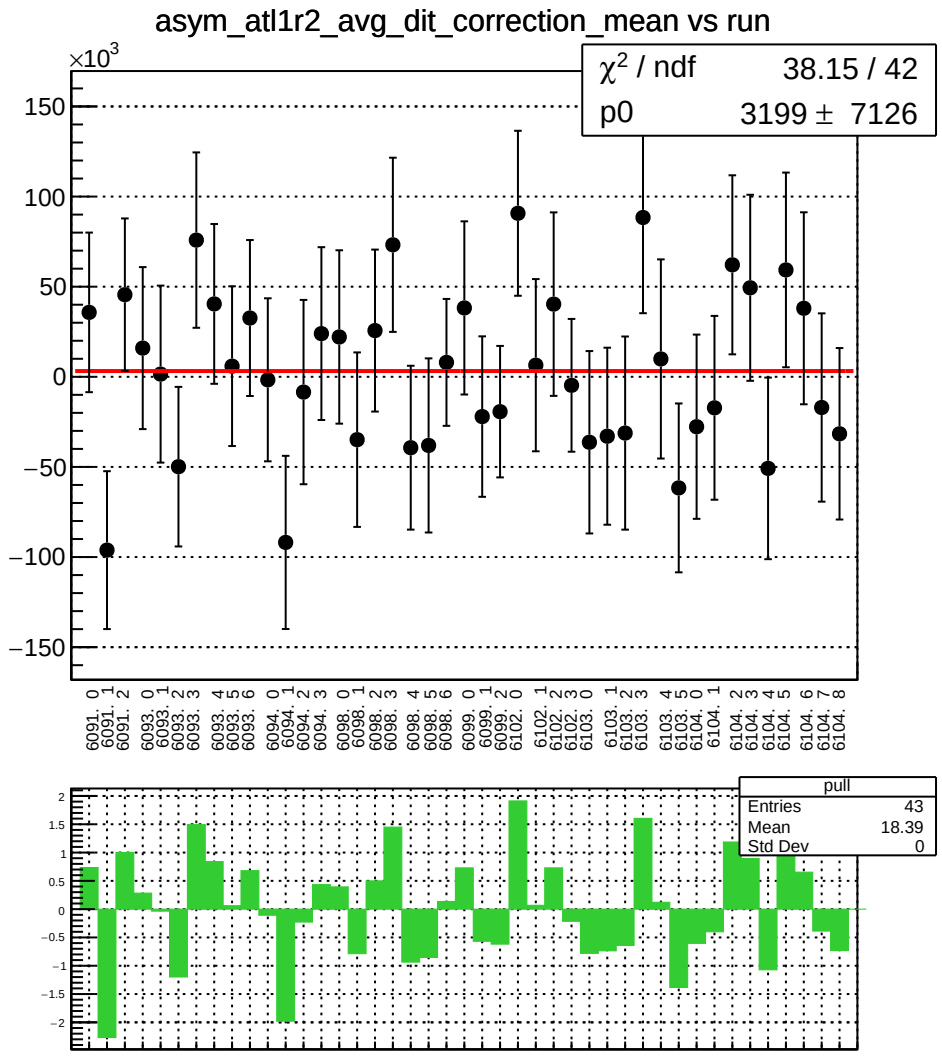

pull1D
Entries 43
Mean 0.008154
Std Dev 0.9463
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

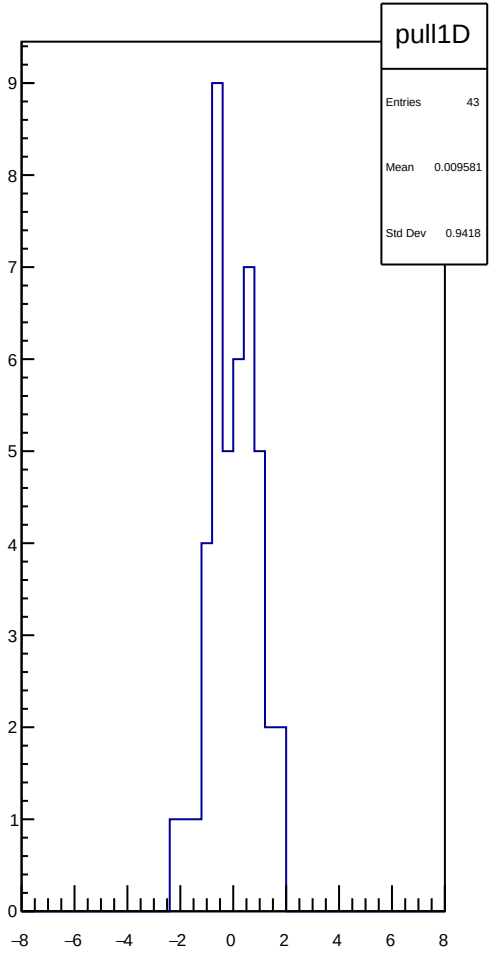

asym_atl1r2_avg_eigen_cor_correction_rms vs run
χ² / ndf 2143 / 42
p0 4461 ± 4.91
5000
4800
4600
4400
4200
4000
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

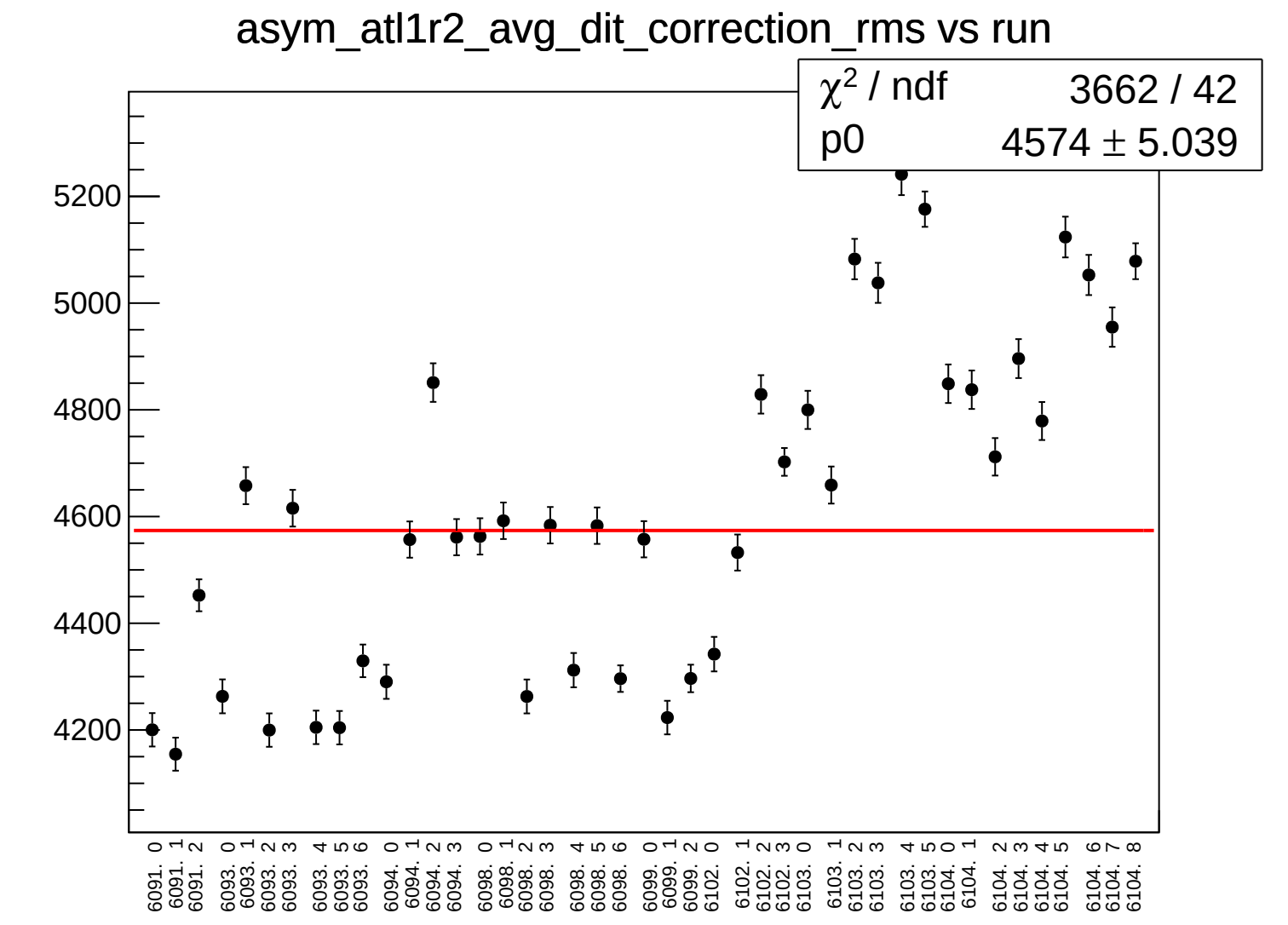

dit_asym_atl1r2_avg_mean vs run
χ² / ndf 38.31 / 42
p0 5996 ± 2771
60000
40000
20000
0
−20000
−40000
−60000
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean −2322
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

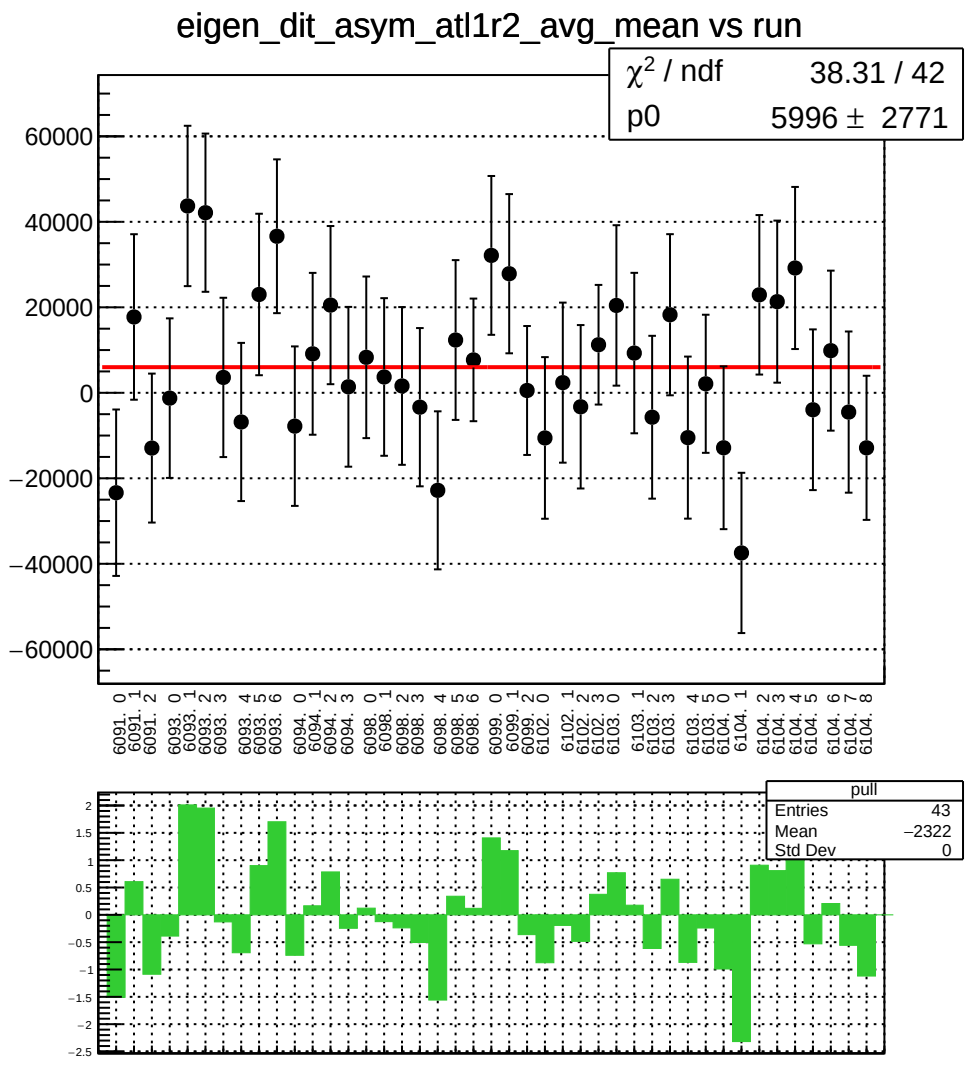

pull1D
Entries 43
Mean 0.0007584
Std Dev 0.9439
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

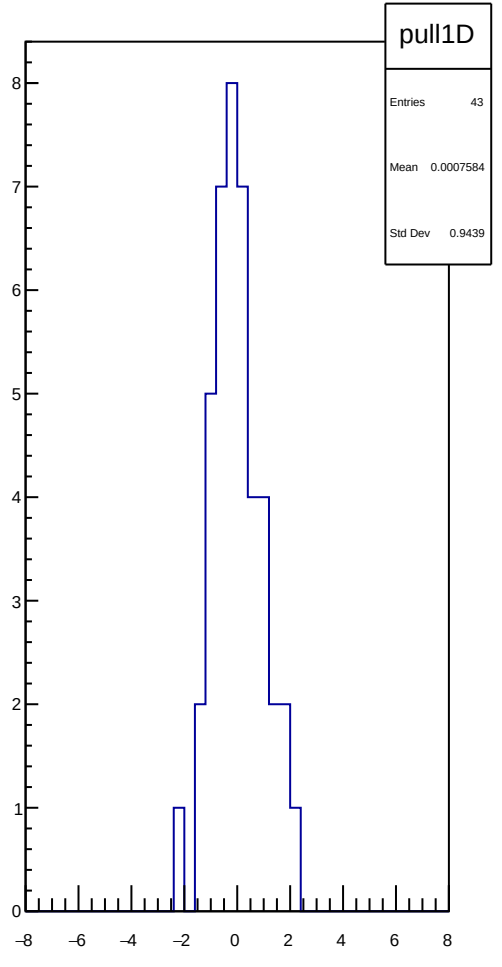

dit_asym_atl1r2_avg_rms vs run
χ² / ndf 131.8 / 42
p0 1783 ± 1.96
1860
1840
1820
1800
1780
1760
1740
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

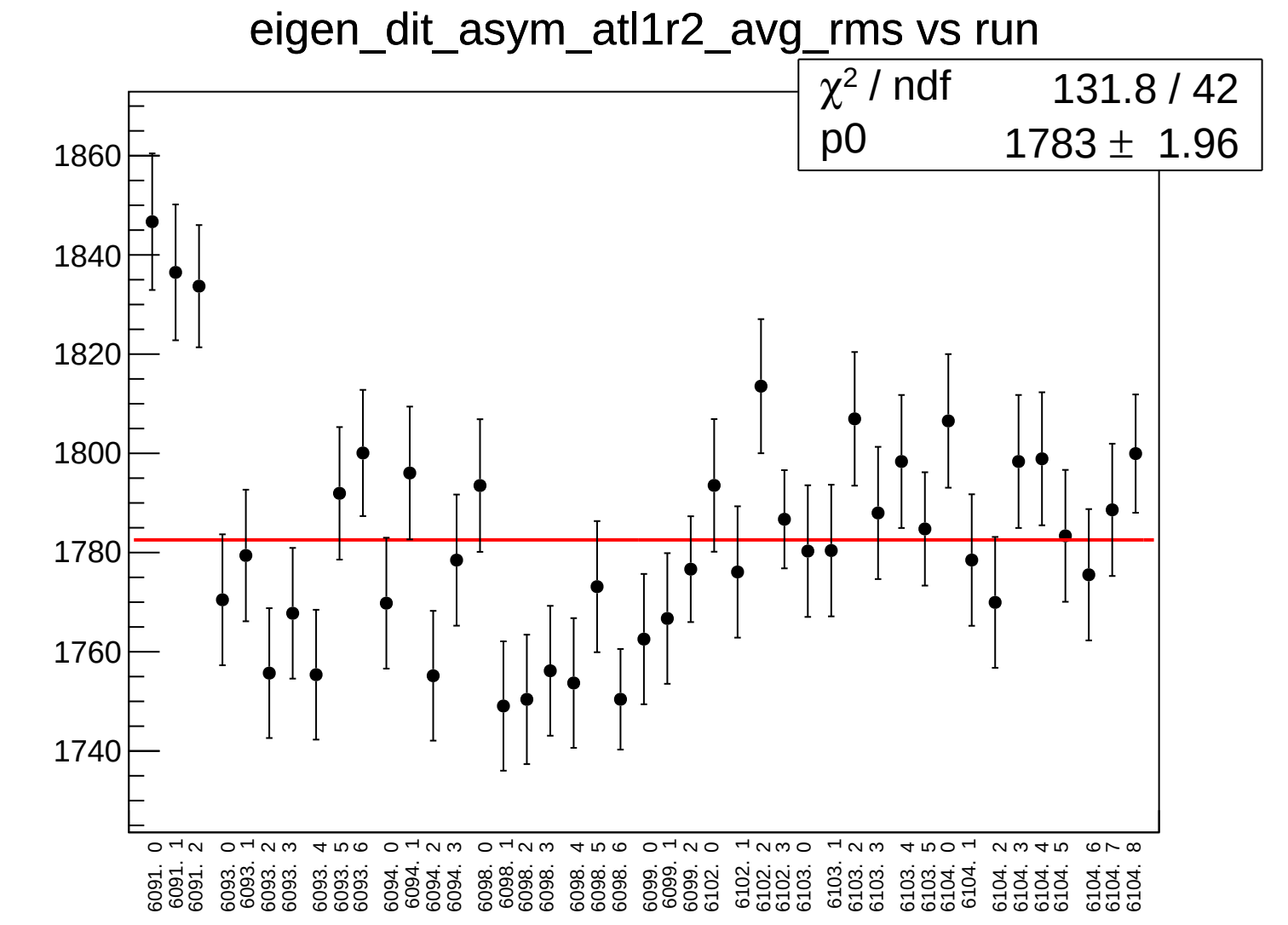

asym_atl1r2_avg_dit_correction_mean vs run
×10^3
χ² / ndf 38.15 / 42
p0 3199 ± 7126
150
100
50
0
−50
−100
−150
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 18.39
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

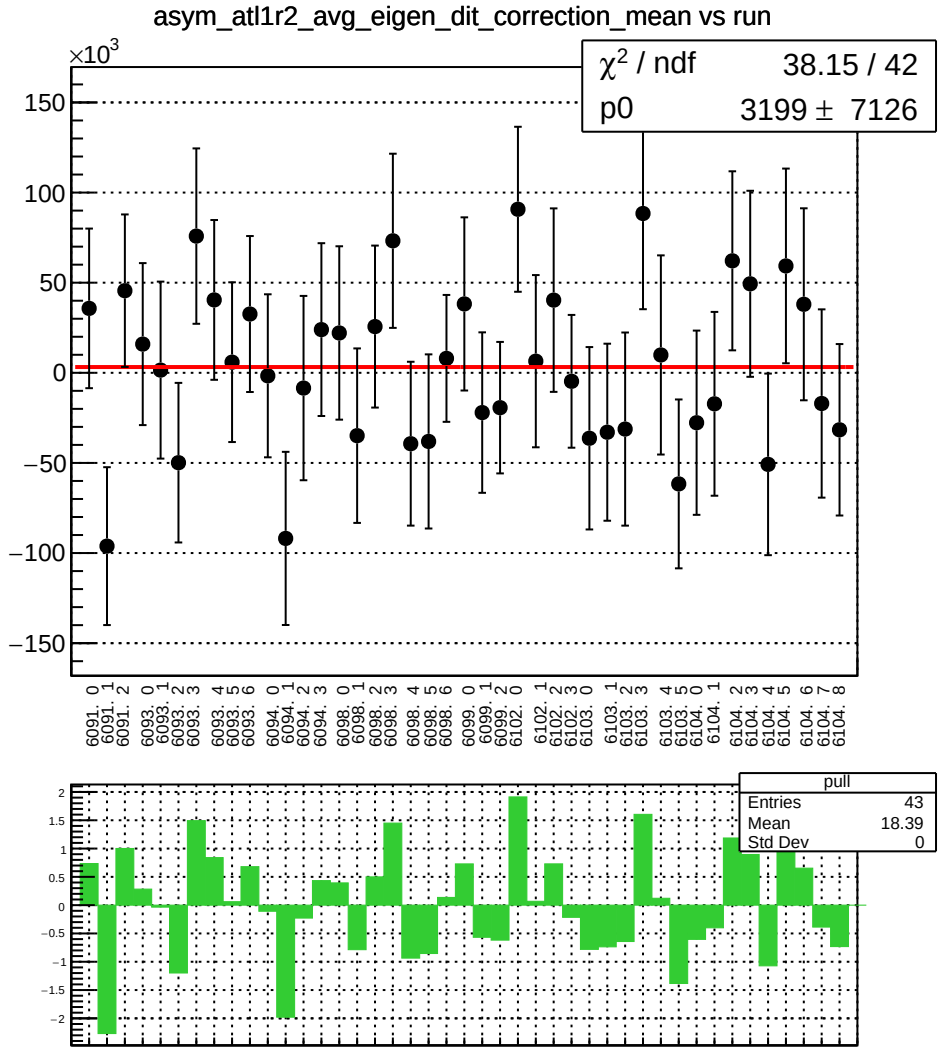

pull1D
Entries 43
Mean 0.009581
Std Dev 0.9418
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

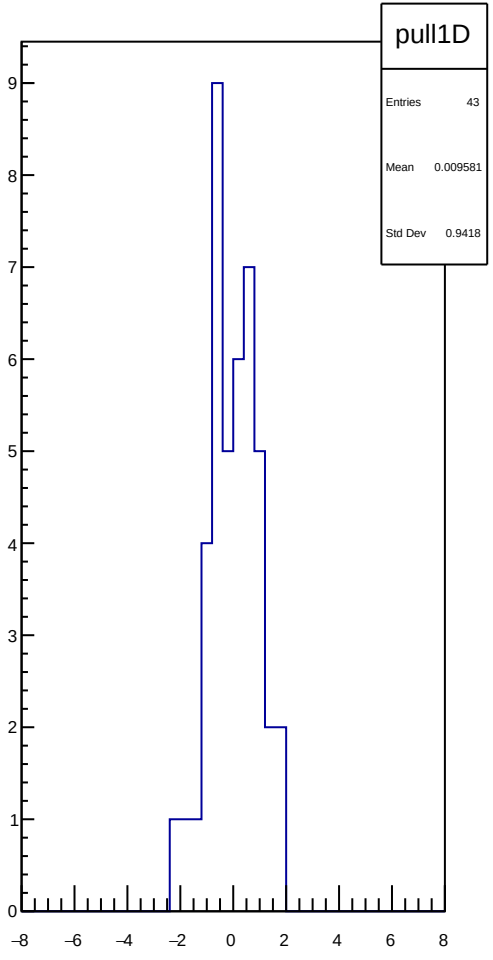

asym_atl1r2_avg_dit_correction_rms vs run
χ² / ndf 3662 / 42
p0 4574 ± 5.039
5200
5000
4800
4600
4400
4200
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

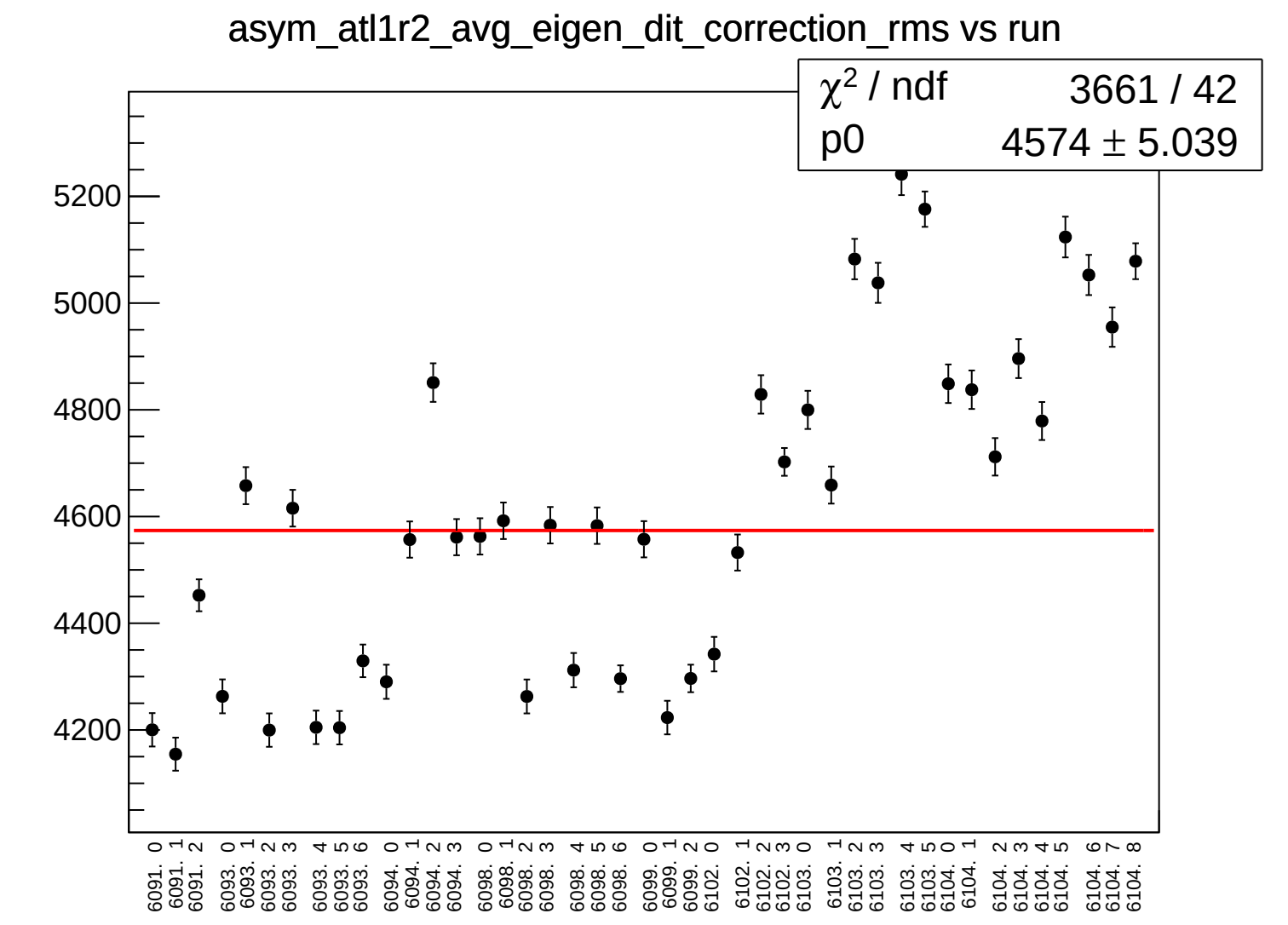

eigen_dit_asym_atl1r2_avg_mean vs run
χ² / ndf 38.31 / 42
p0 5996 ± 2771
60000
40000
20000
0
−20000
−40000
−60000
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean −2322
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

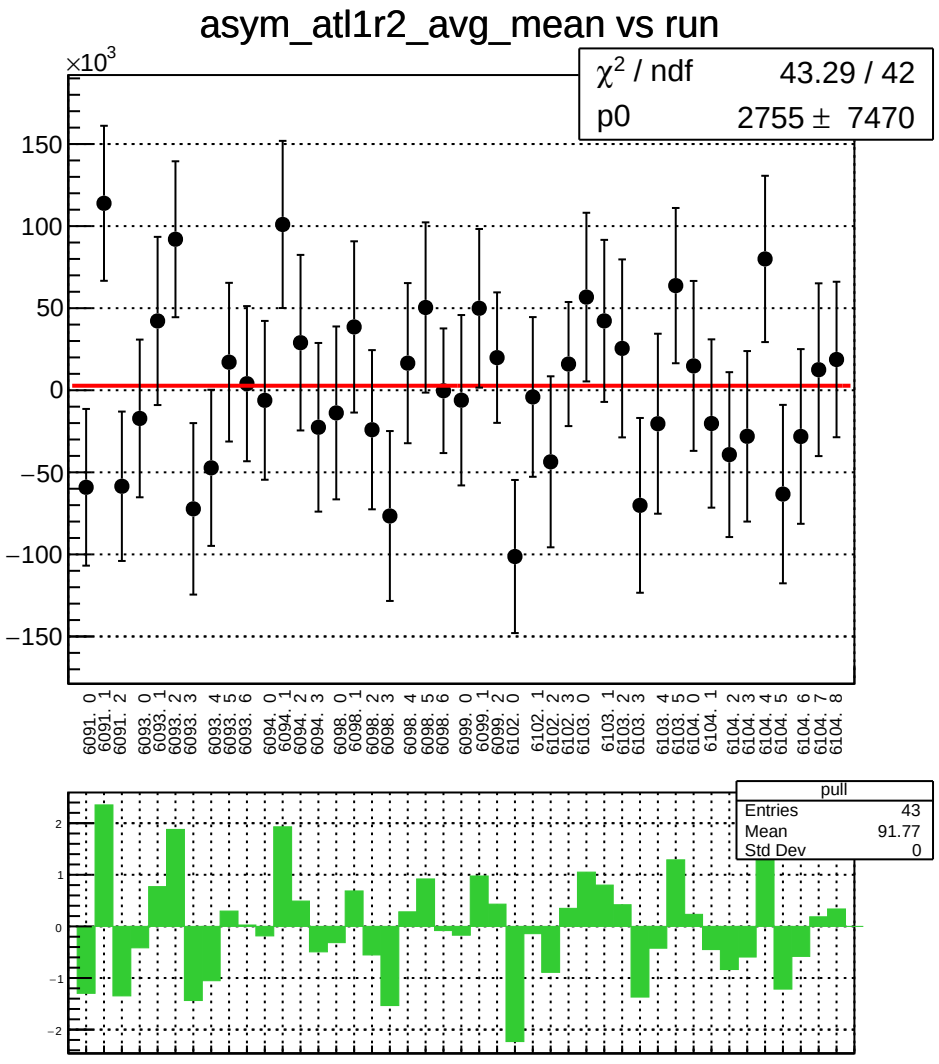

pull1D
Entries 43
Mean 0.0007584
Std Dev 0.9439
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

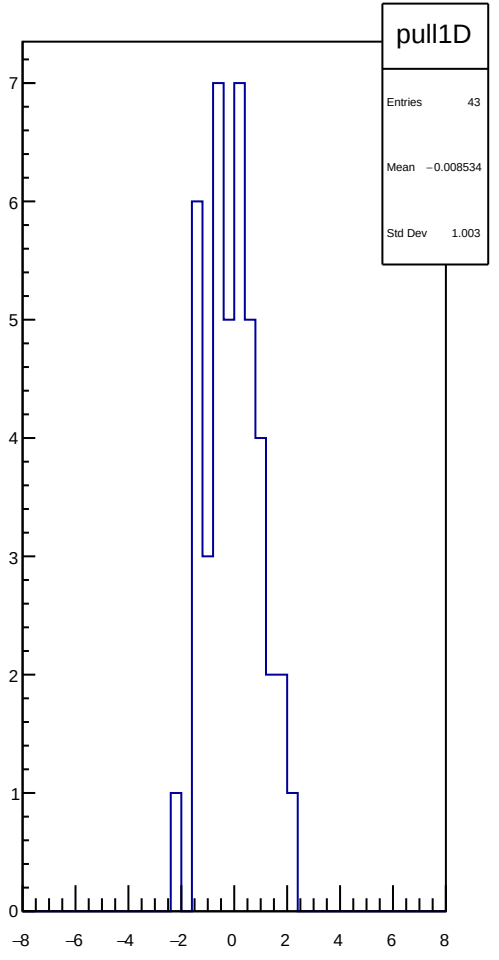

eigen_dit_asym_atl1r2_avg_rms vs run
χ² / ndf 131.8 / 42
p0 1783 ± 1.96
1860
1840
1820
1800
1780
1760
1740
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

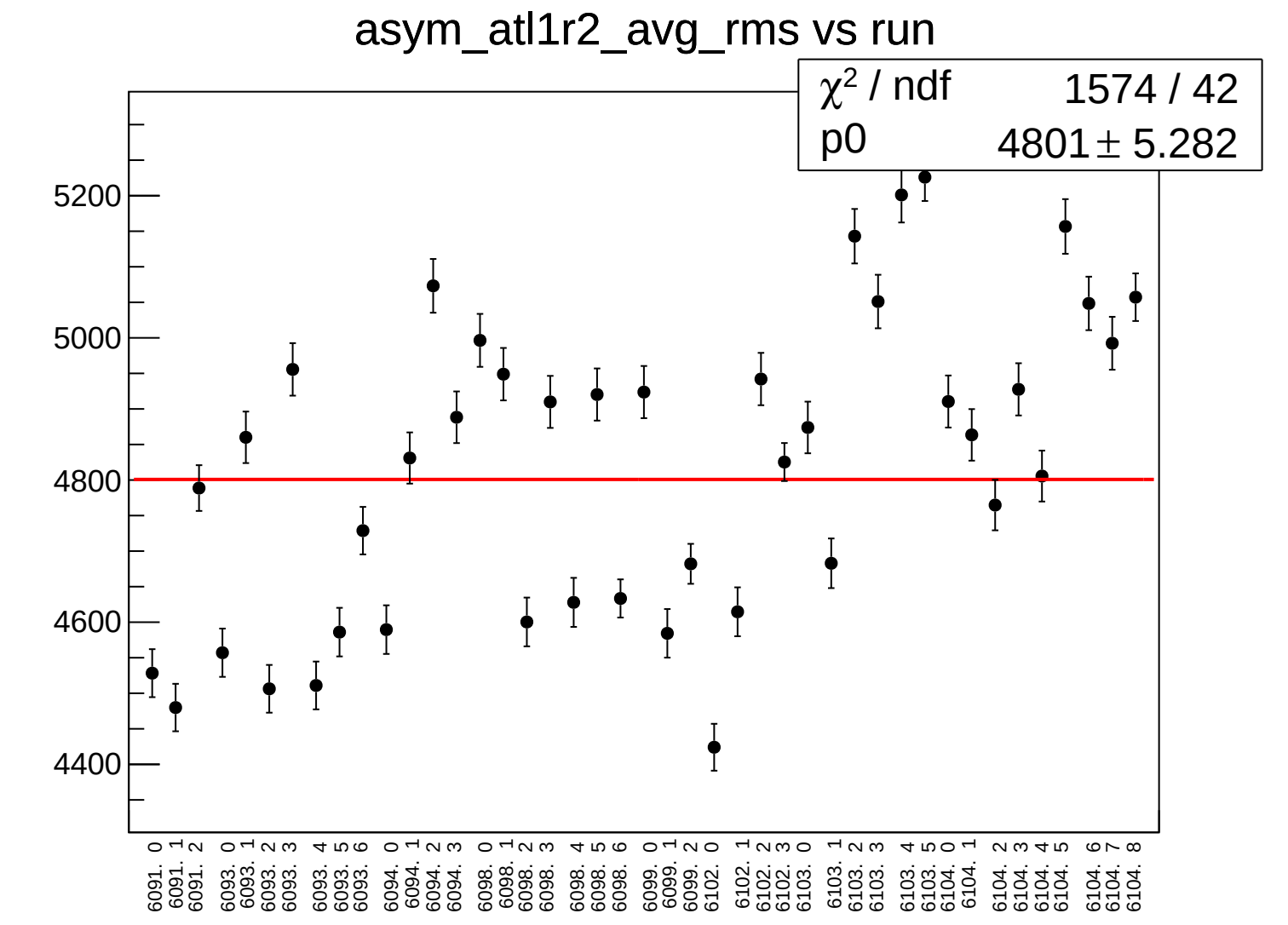

asym_atl1r2_avg_eigen_dit_correction_mean vs run
×10^3
χ² / ndf 38.15 / 42
p0 3199 ± 7126
150
100
50
0
−50
−100
−150
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 18.39
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

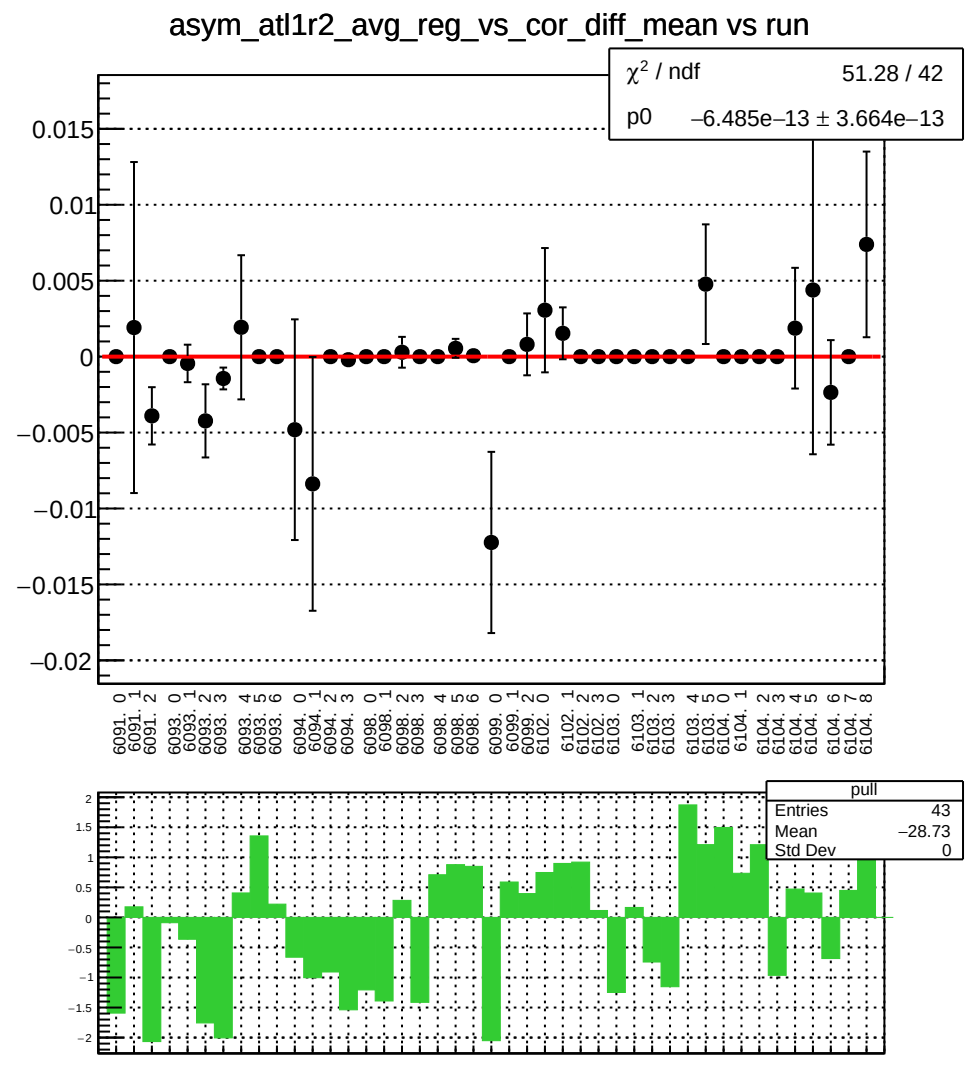

pull1D
Entries 43
Mean 0.009581
Std Dev 0.9418
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

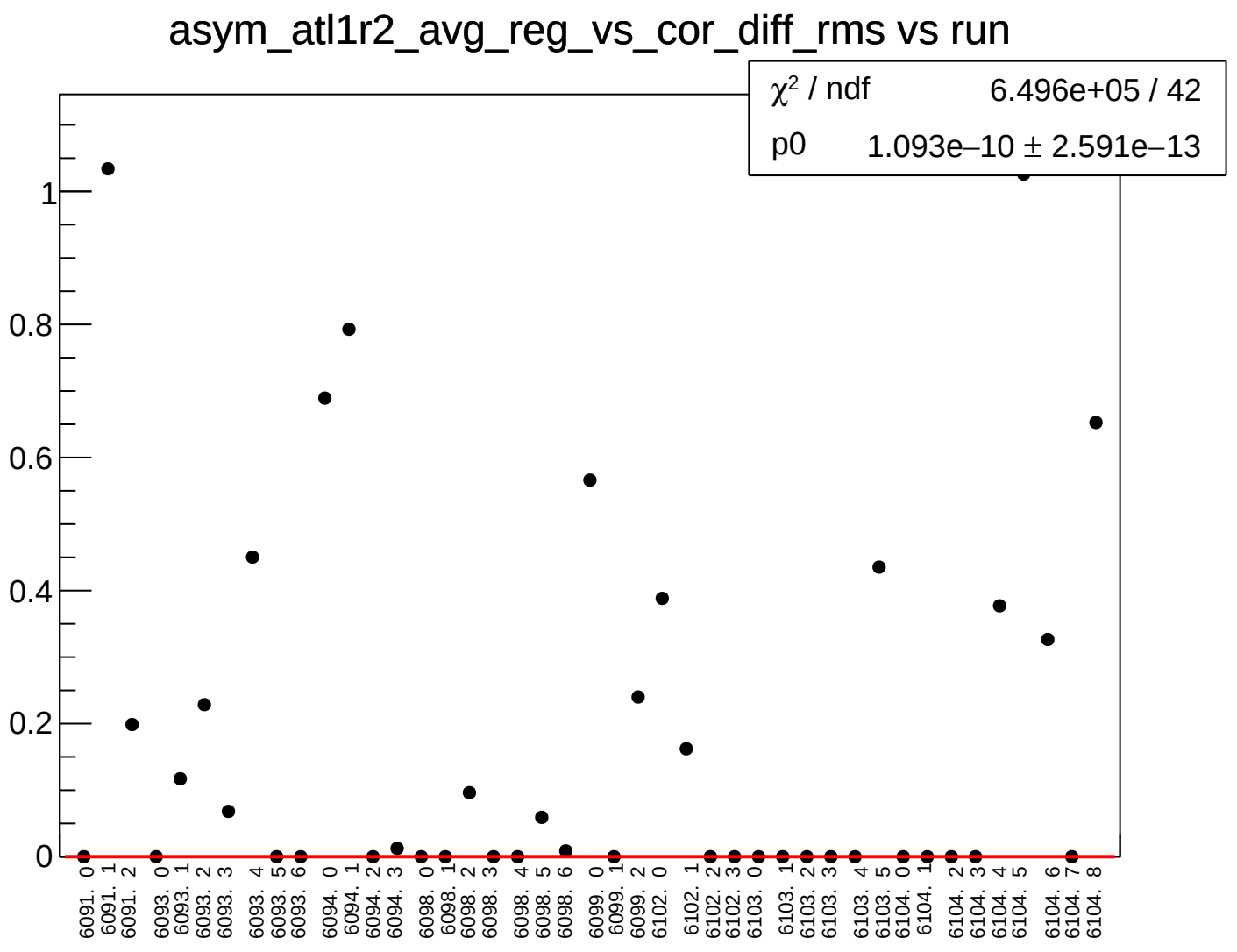

asym_atl1r2_avg_eigen_dit_correction_rms vs run
χ² / ndf 3661 / 42
p0 4574 ± 5.039
5200
5000
4800
4600
4400
4200
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

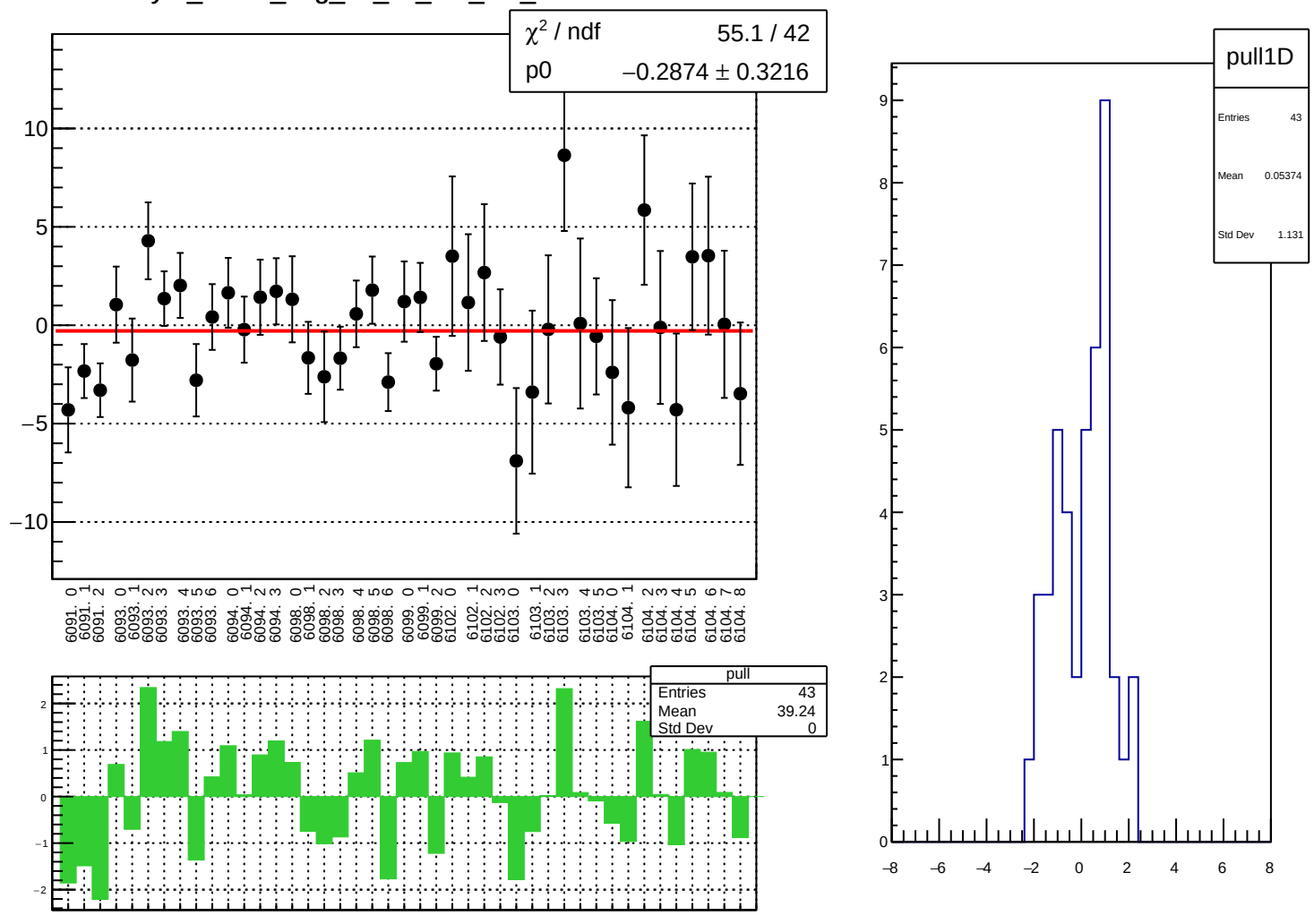

asym_atl1r2_avg_mean vs run
χ² / ndf 43.29 / 42
p0 2755 ± 7470
×10³
150
100
50
0
−50
−100
−150
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 91.77
Std Dev 0
2
1
0
−1
−2

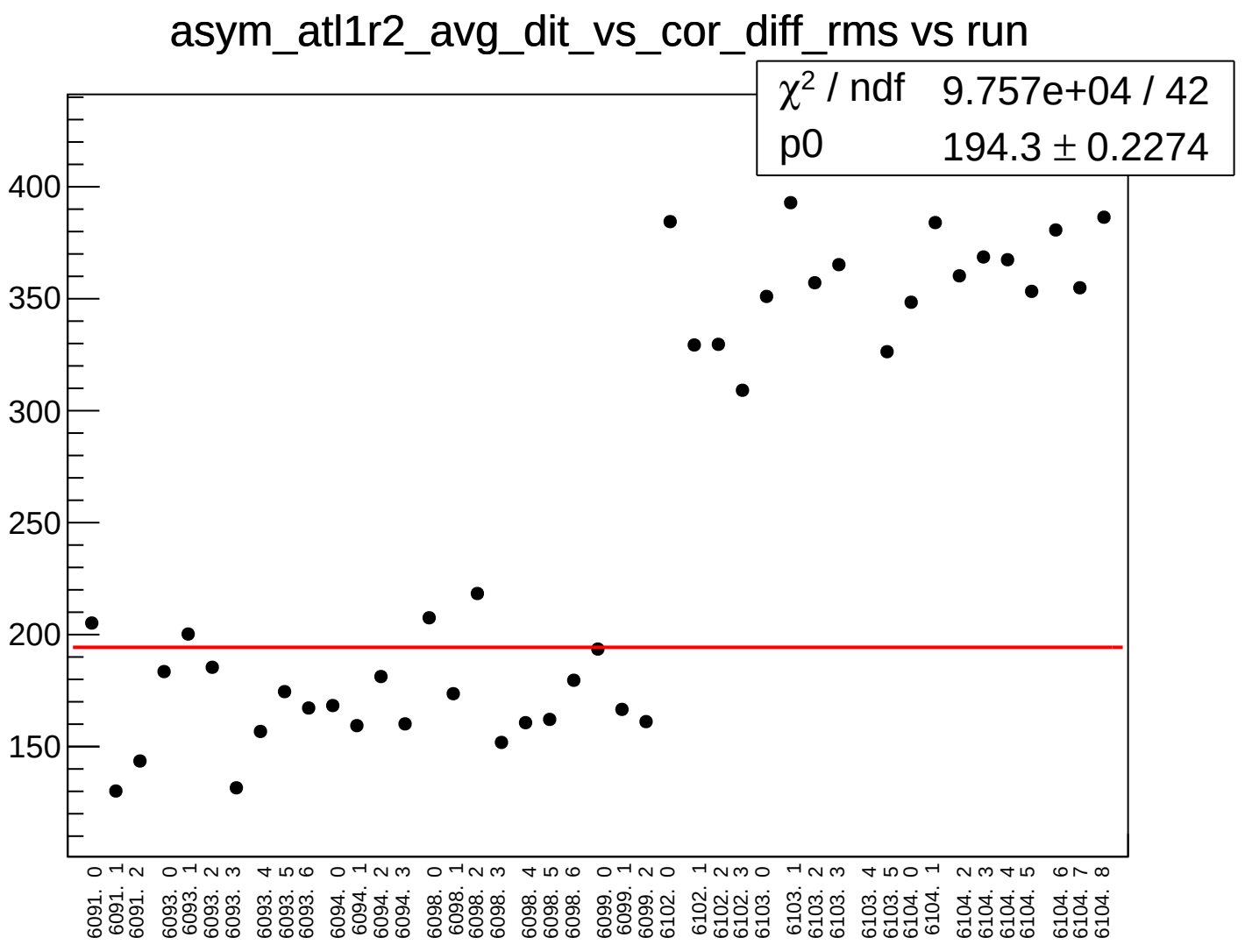

pull1D
Entries 43
Mean −0.008534
Std Dev 1.003
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

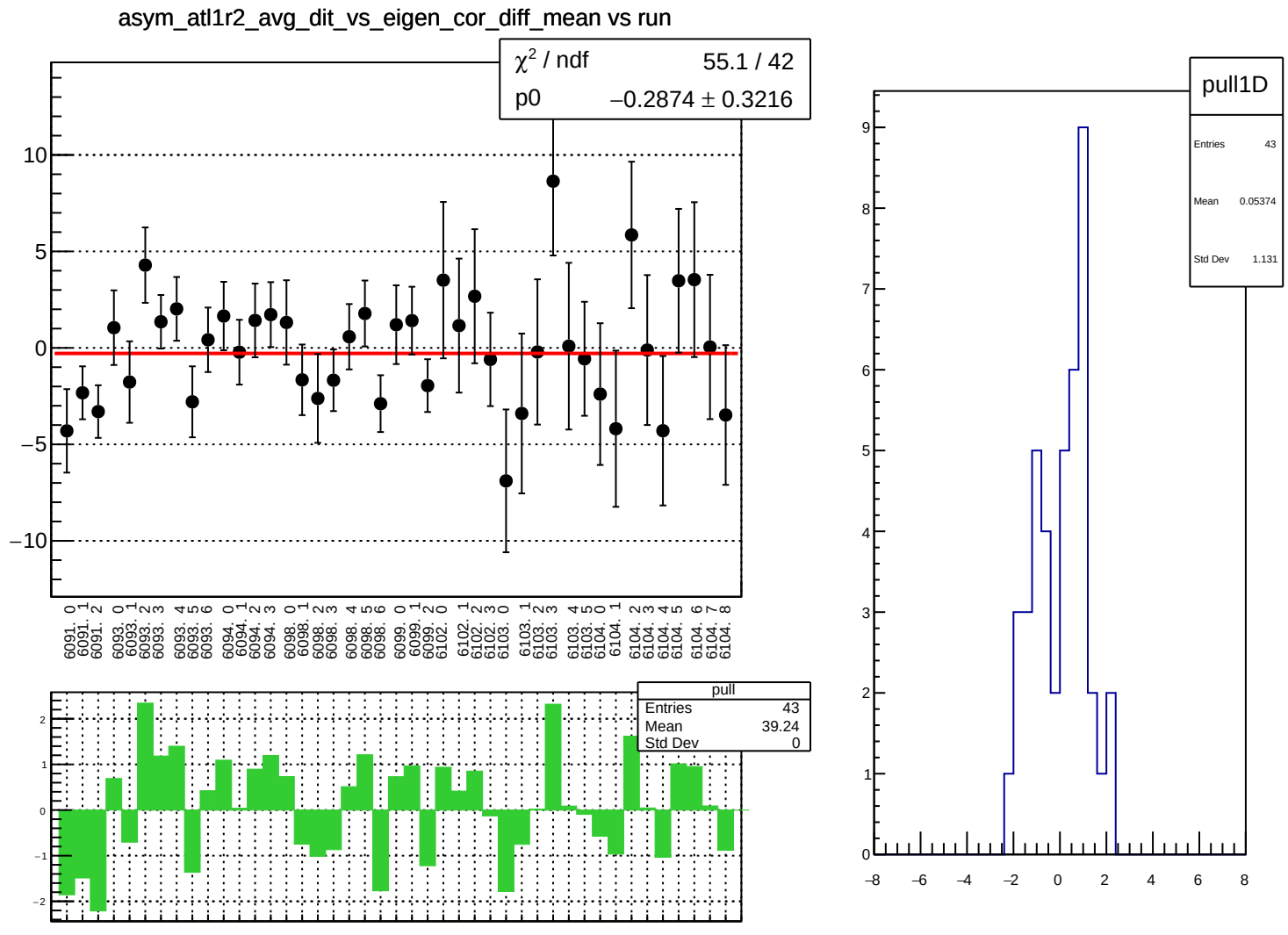

asym_atl1r2_avg_rms vs run
χ² / ndf 1574 / 42
p0 4801 ± 5.282
5200
5000
4800
4600
4400
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

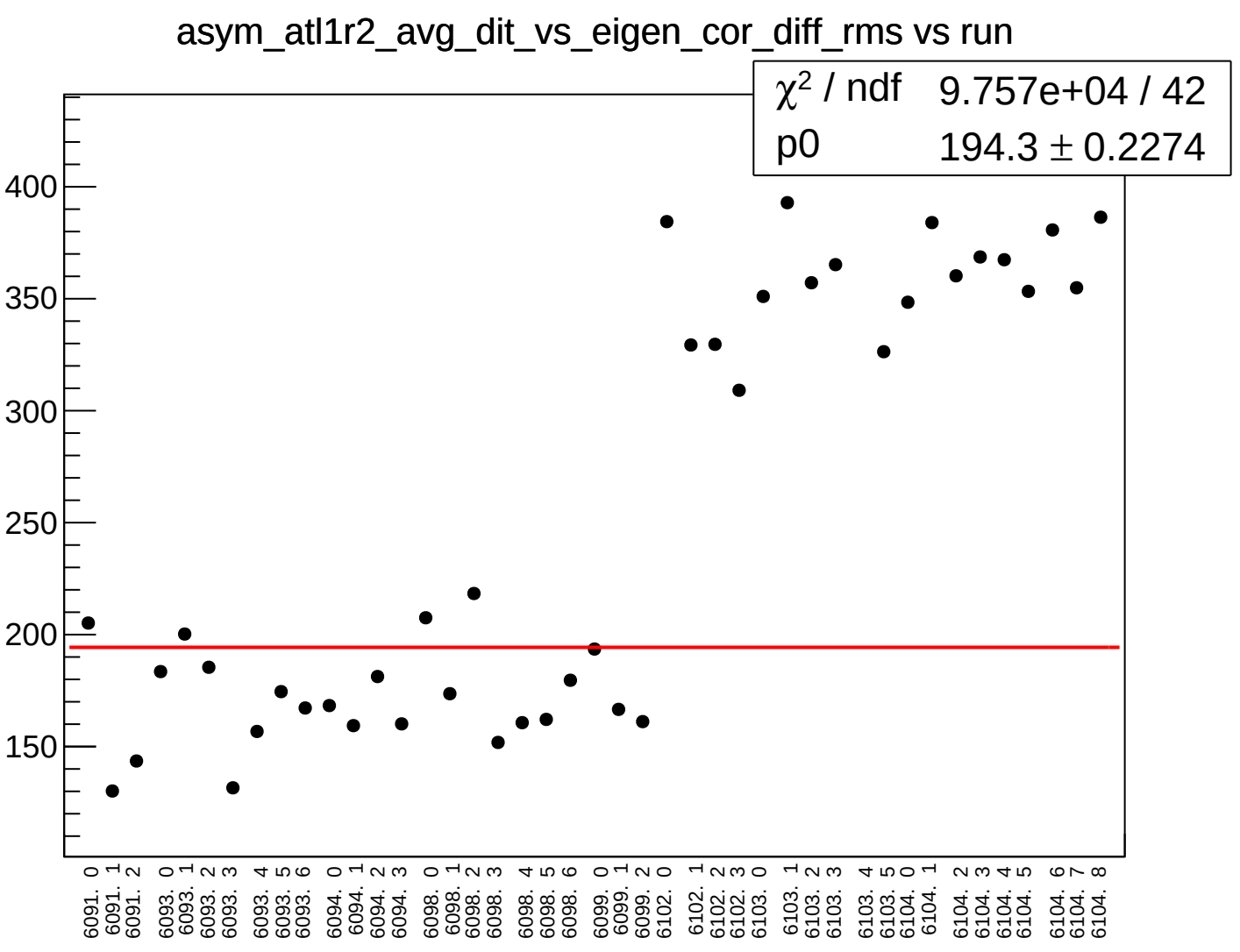

asym_atl1r2_avg_reg_vs_cor_diff_mean vs run
χ² / ndf 51.28 / 42
p0 −6.485e−13 ± 3.664e−13
0.015
0.01
0.005
0
−0.005
−0.01
−0.015
−0.02
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean −28.73
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 43
Mean −0.1178
Std Dev 1.086
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

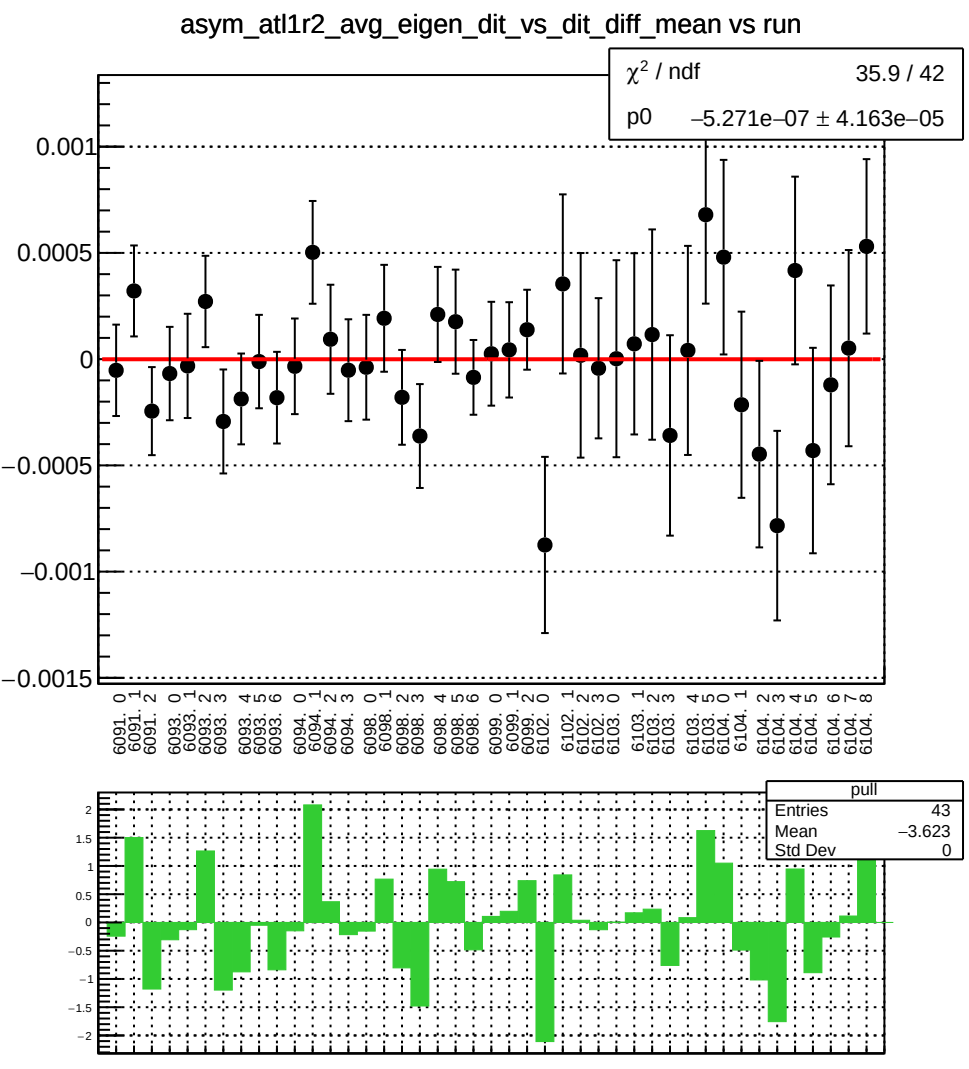

asym_atl1r2_avg_reg_vs_cor_diff_rms vs run
χ² / ndf 6.496e+05 / 42
p0 1.093e−10 ± 2.591e−13
1
0.8
0.6
0.4
0.2
0
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

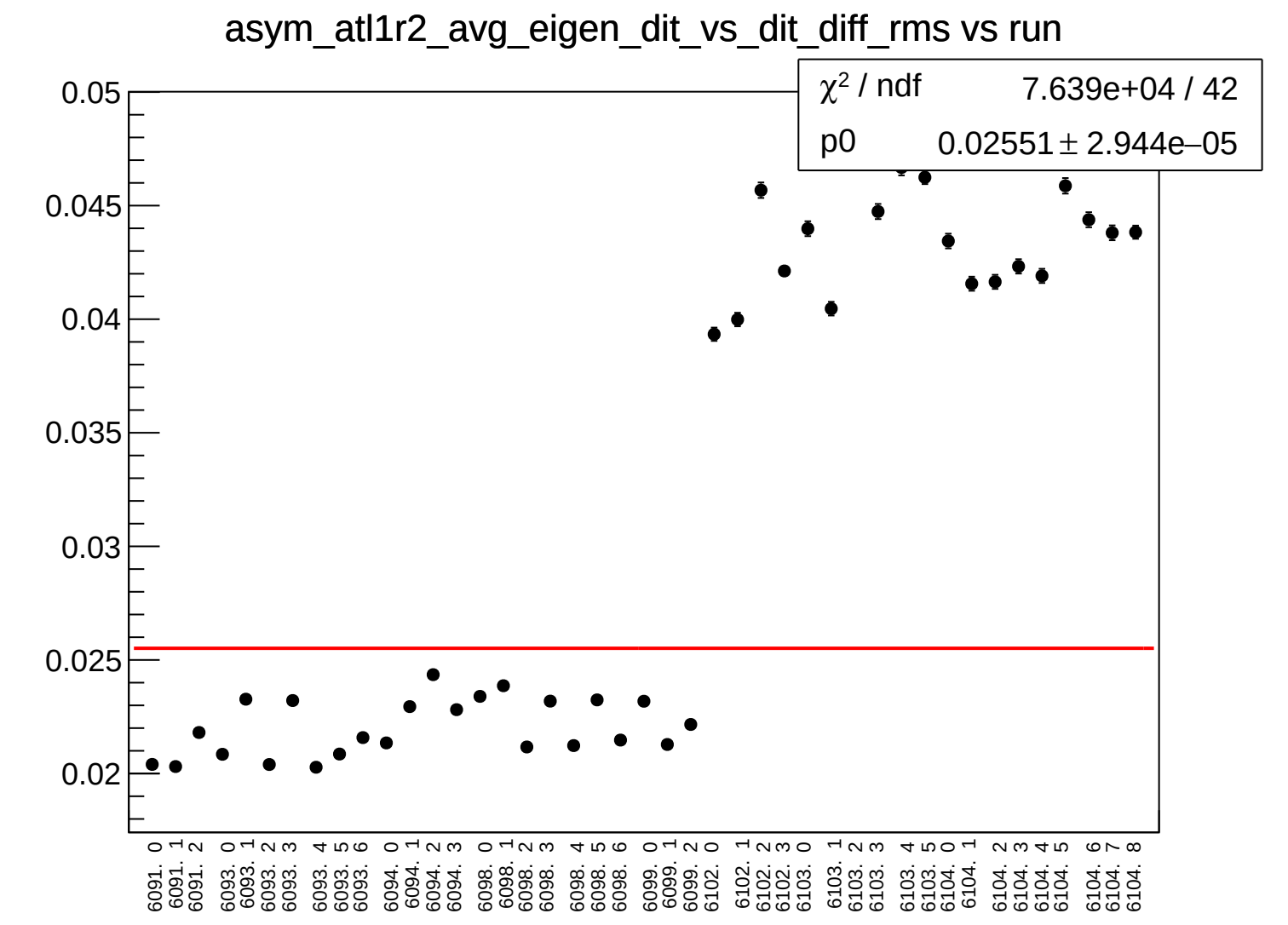

asym_atl1r2_avg_dit_vs_cor_diff_mean vs run
χ² / ndf 55.1 / 42
p0 −0.2874 ± 0.3216
10
5
0
−5
−10
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 39.24
Std Dev 0
2
1
0
−1
−2
pull1D
Entries 43
Mean 0.05374
Std Dev 1.131
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

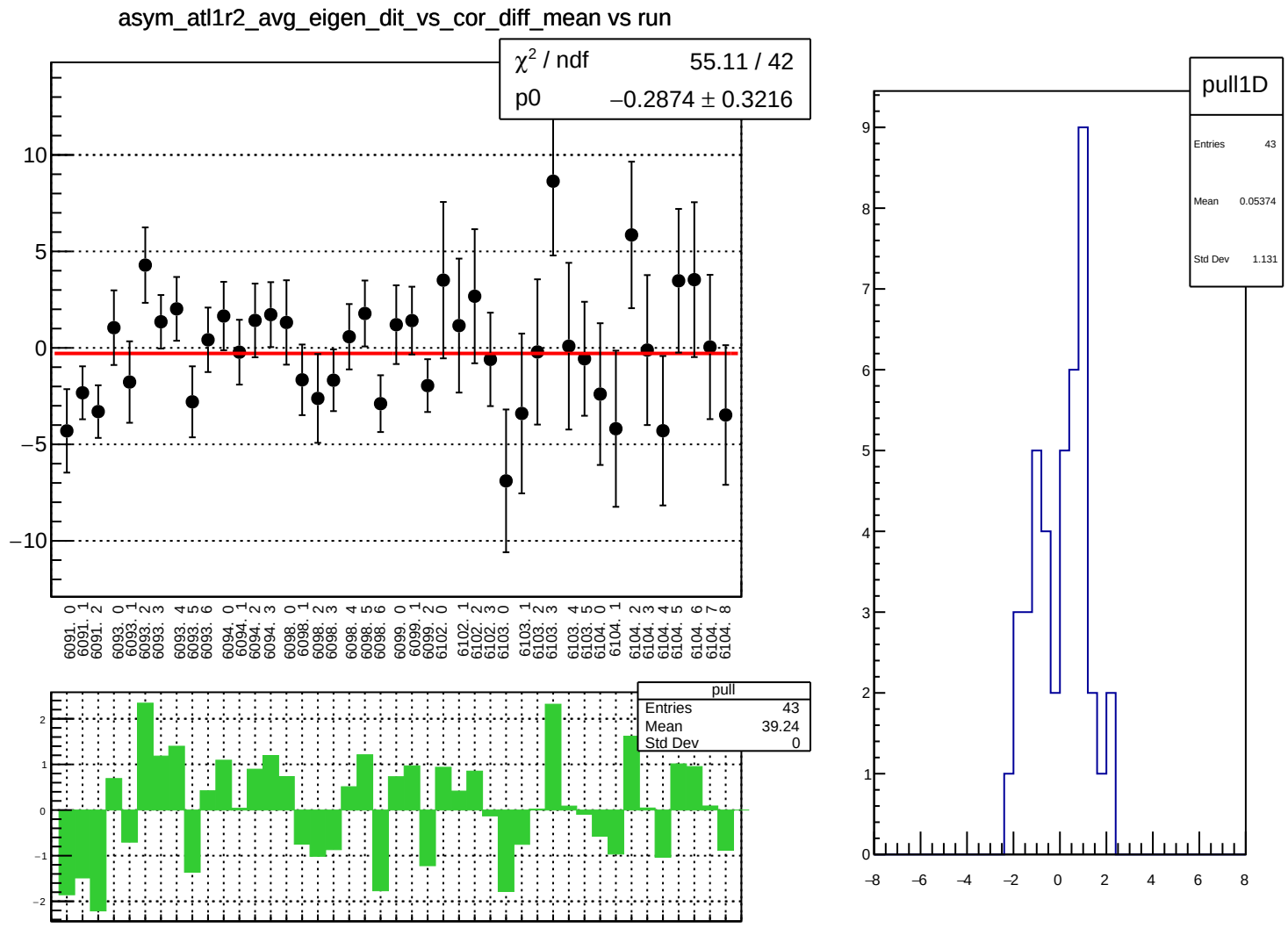

asym_atl1r2_avg_dit_vs_cor_diff_rms vs run
χ² / ndf 9.757e+04 / 42
p0 194.3 ± 0.2274
400
350
300
250
200
150
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

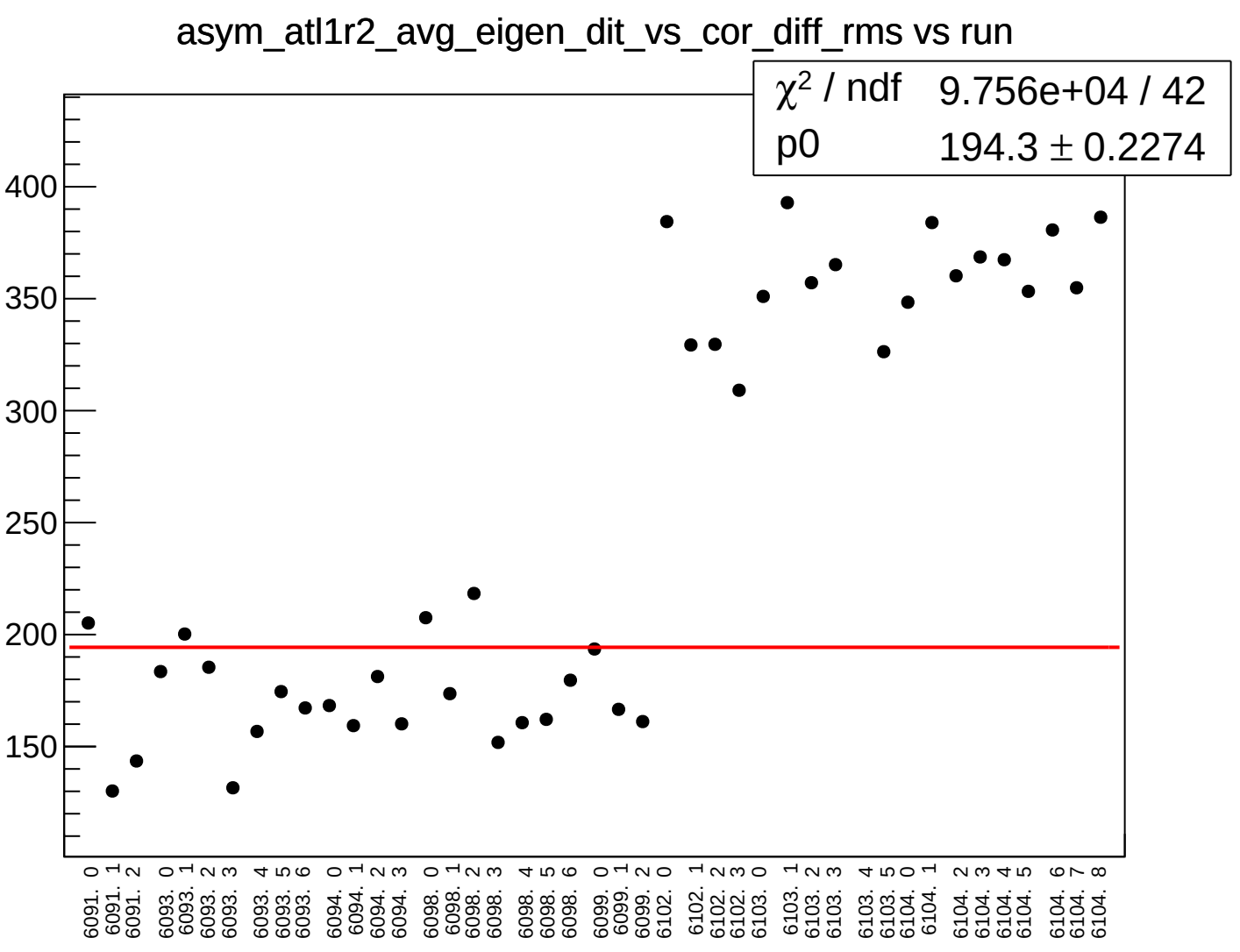

asym_atl1r2_avg_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 55.1 / 42
p0 −0.2874 ± 0.3216
10
5
0
−5
−10
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 39.24
Std Dev 0
2
1
0
−1
−2
pull1D
Entries 43
Mean 0.05374
Std Dev 1.131
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


asym_atl1r2_avg_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 9.757e+04 / 42
p0 194.3 ± 0.2274
400
350
300
250
200
150
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

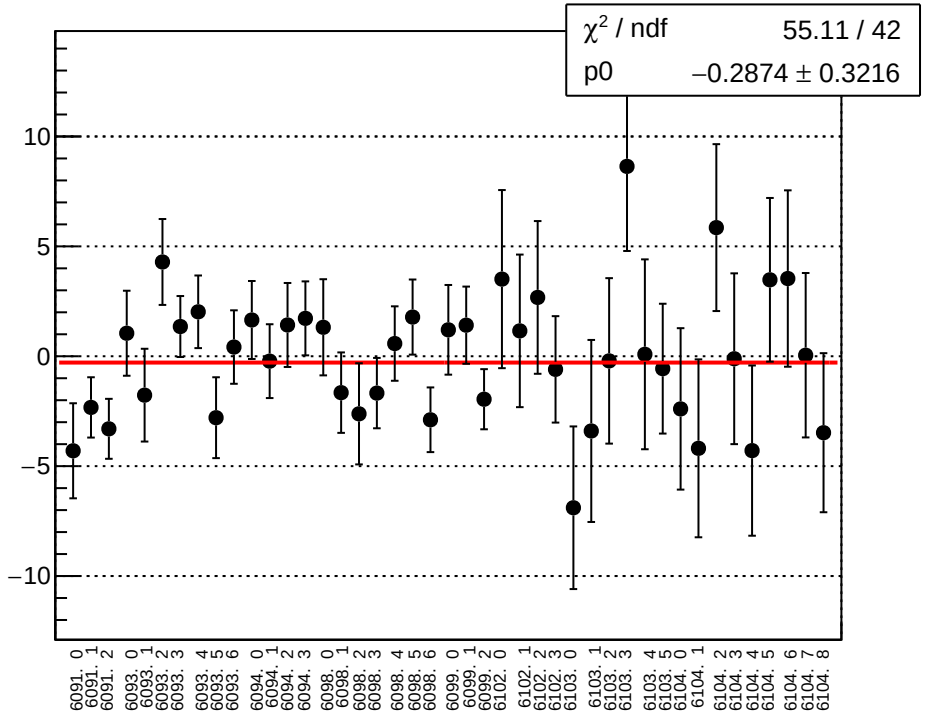

asym_atl1r2_avg_eigen_dit_vs_dit_diff_mean vs run
χ² / ndf 35.9 / 42
p0 −5.271e−07 ± 4.163e−05
0.001
0.0005
0
−0.0005
−0.001
−0.0015
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean −3.623
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 43
Mean −0.009437
Std Dev 0.9136
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

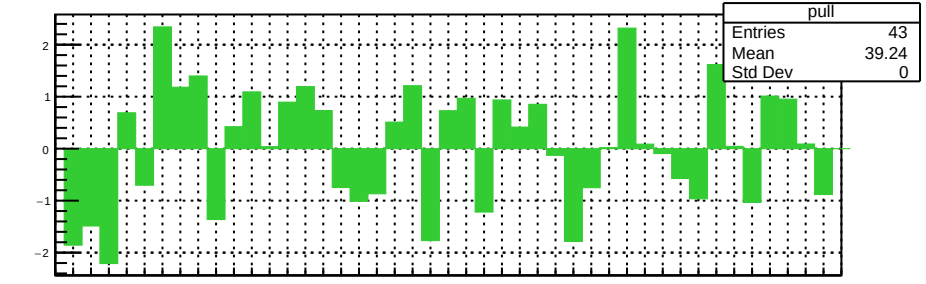

asym_atl1r2_avg_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 7.639e+04 / 42
p0 0.02551 ± 2.944e–05
0.05
0.045
0.04
0.035
0.03
0.025
0.02
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

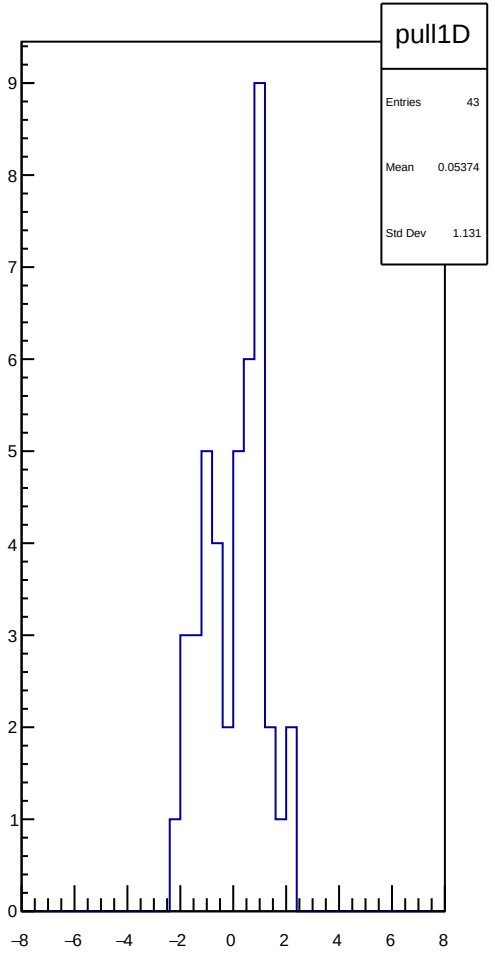

asym_atl1r2_avg_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 55.11 / 42
p0 −0.2874 ± 0.3216
10
5
0
−5
−10
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 39.24
Std Dev 0
2
1
0
−1
−2
pull1D
Entries 43
Mean 0.05374
Std Dev 1.131
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

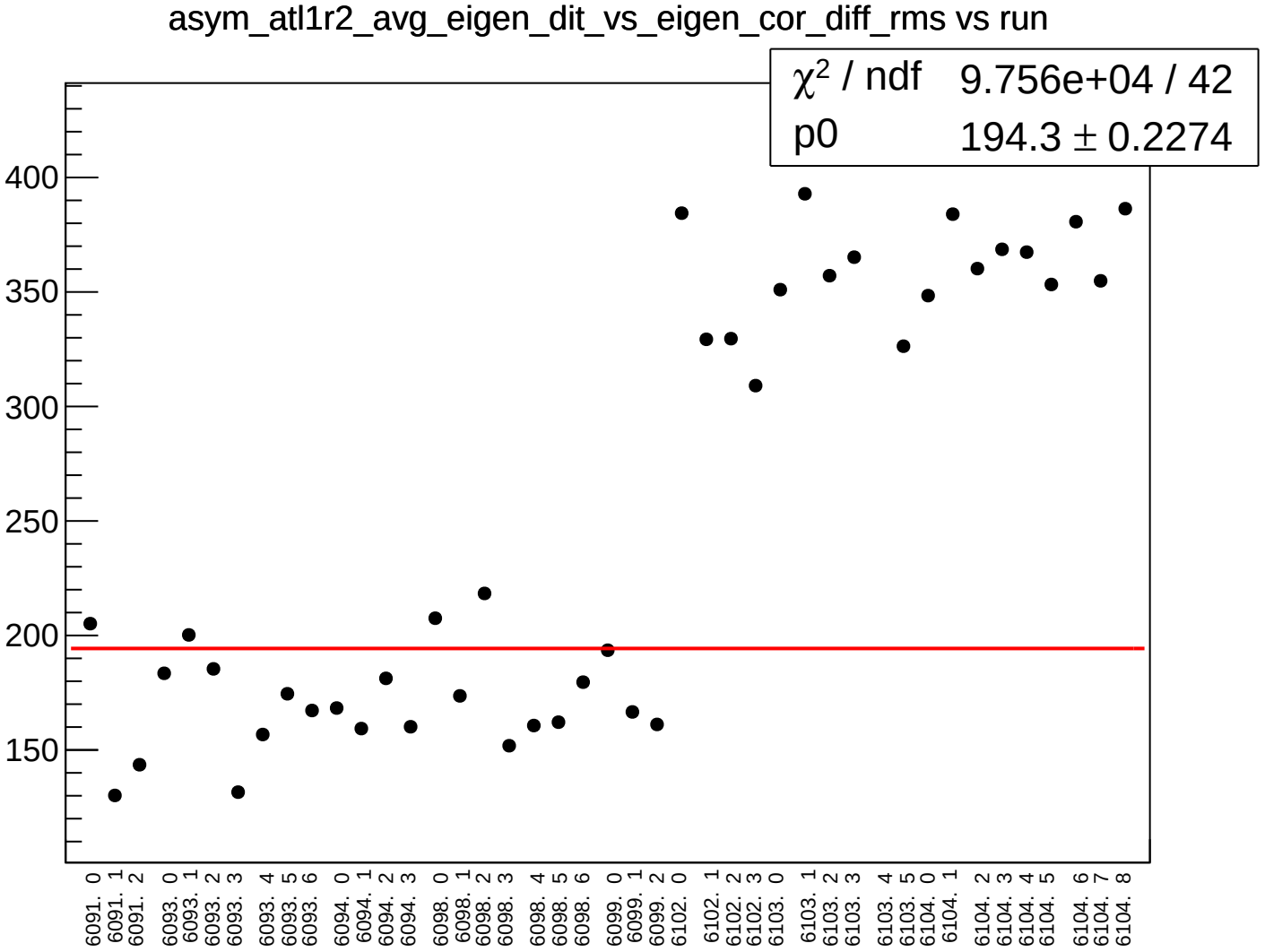

asym_atl1r2_avg_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 9.756e+04 / 42
p0 194.3 ± 0.2274
400
350
300
250
200
150
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

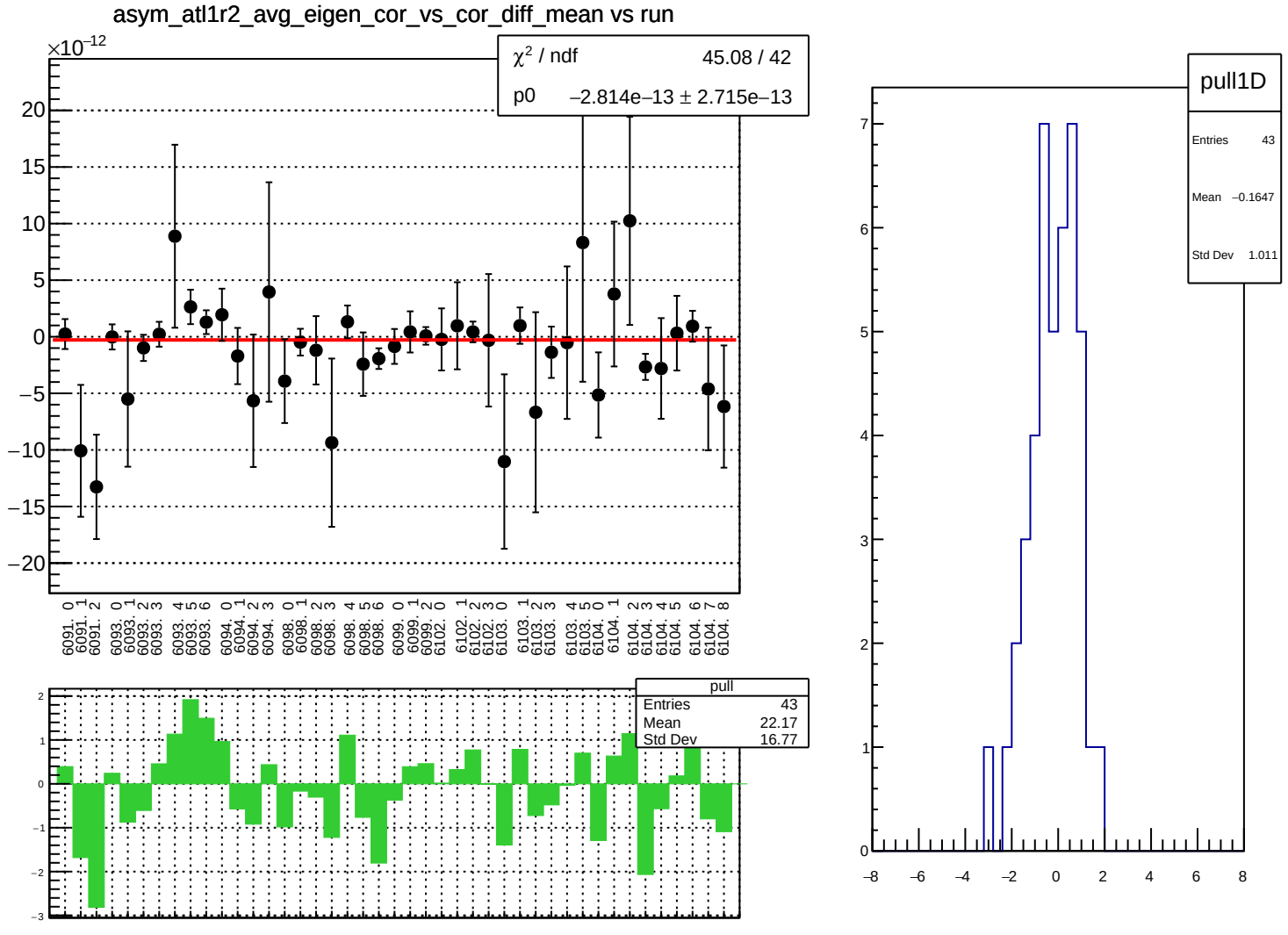
asym_atl1r2_avg_eigen_dit_vs_eigen_cor_diff_mean vs run

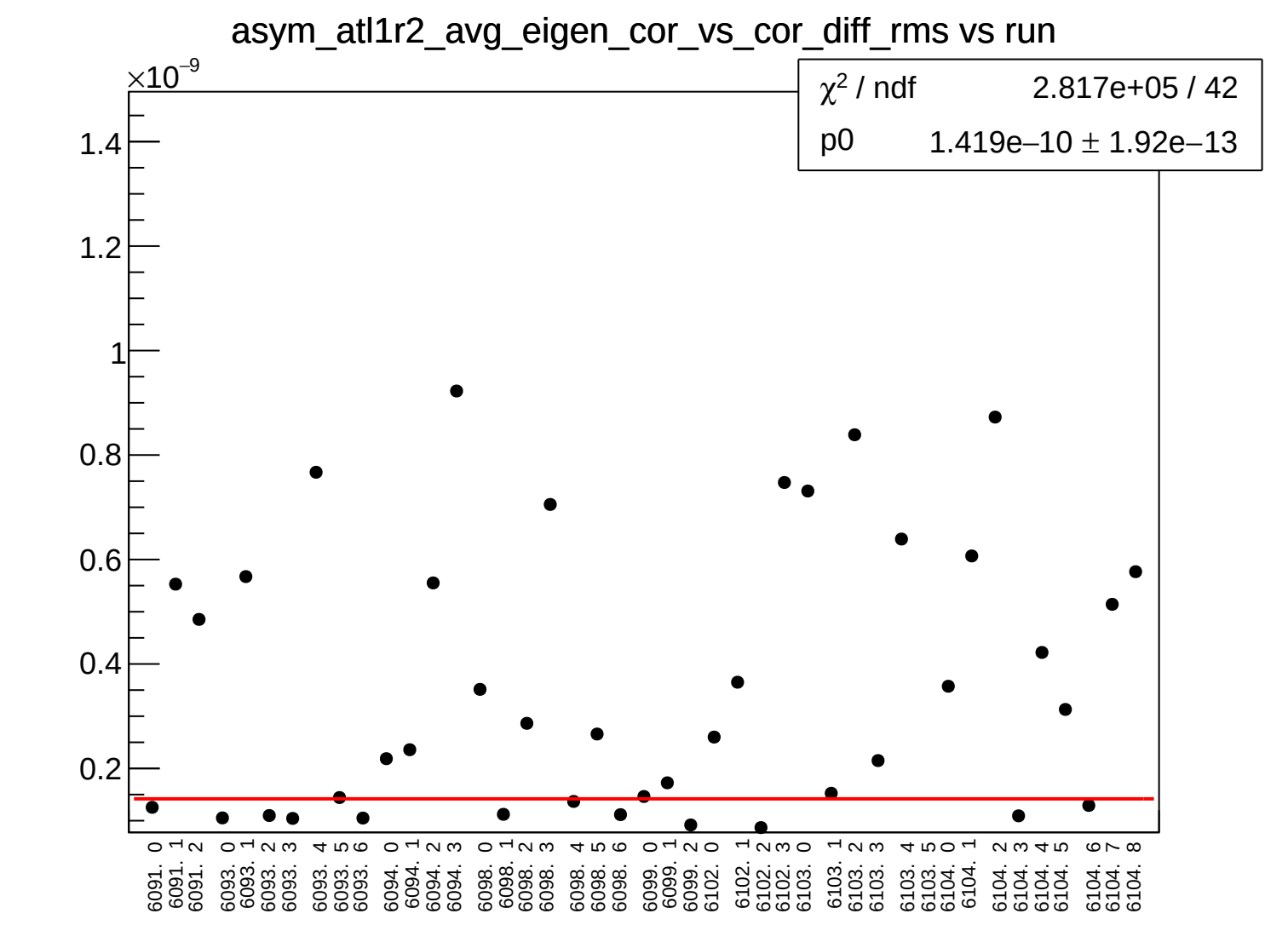


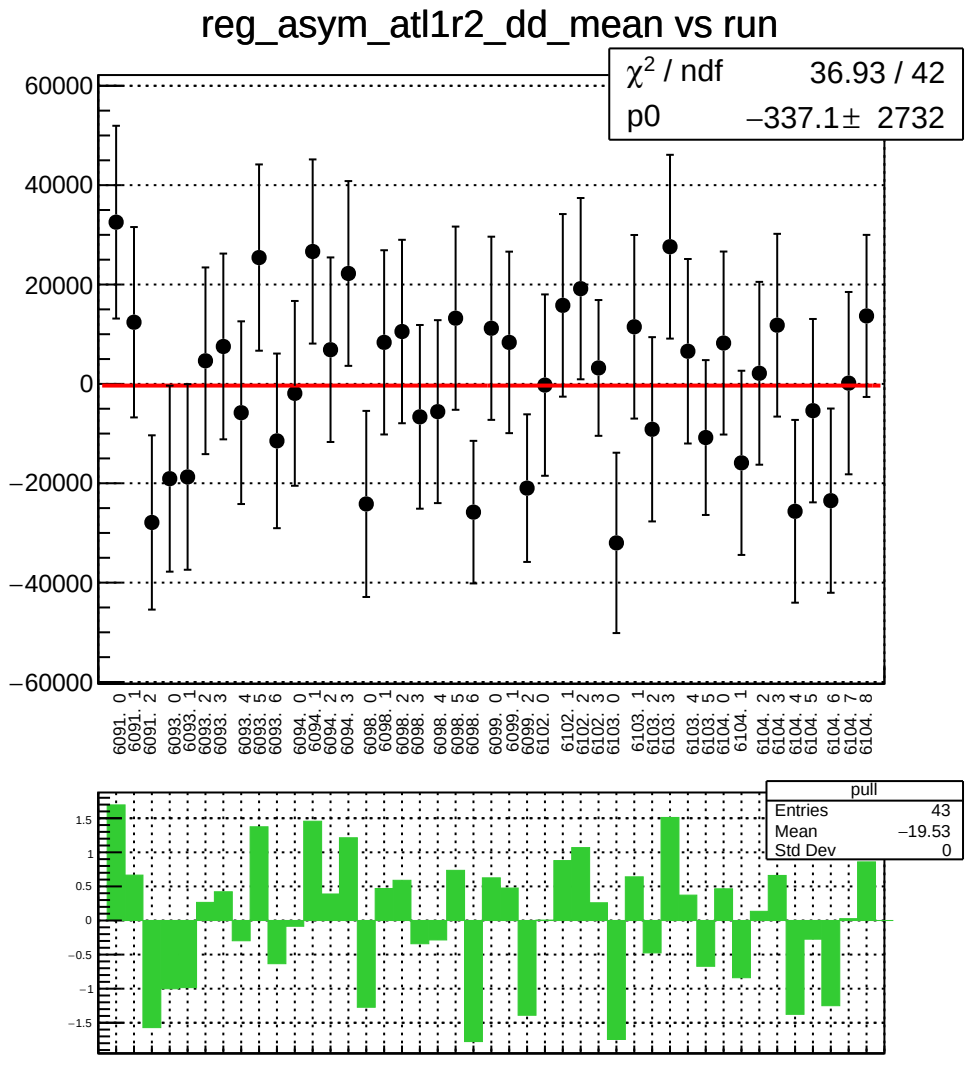


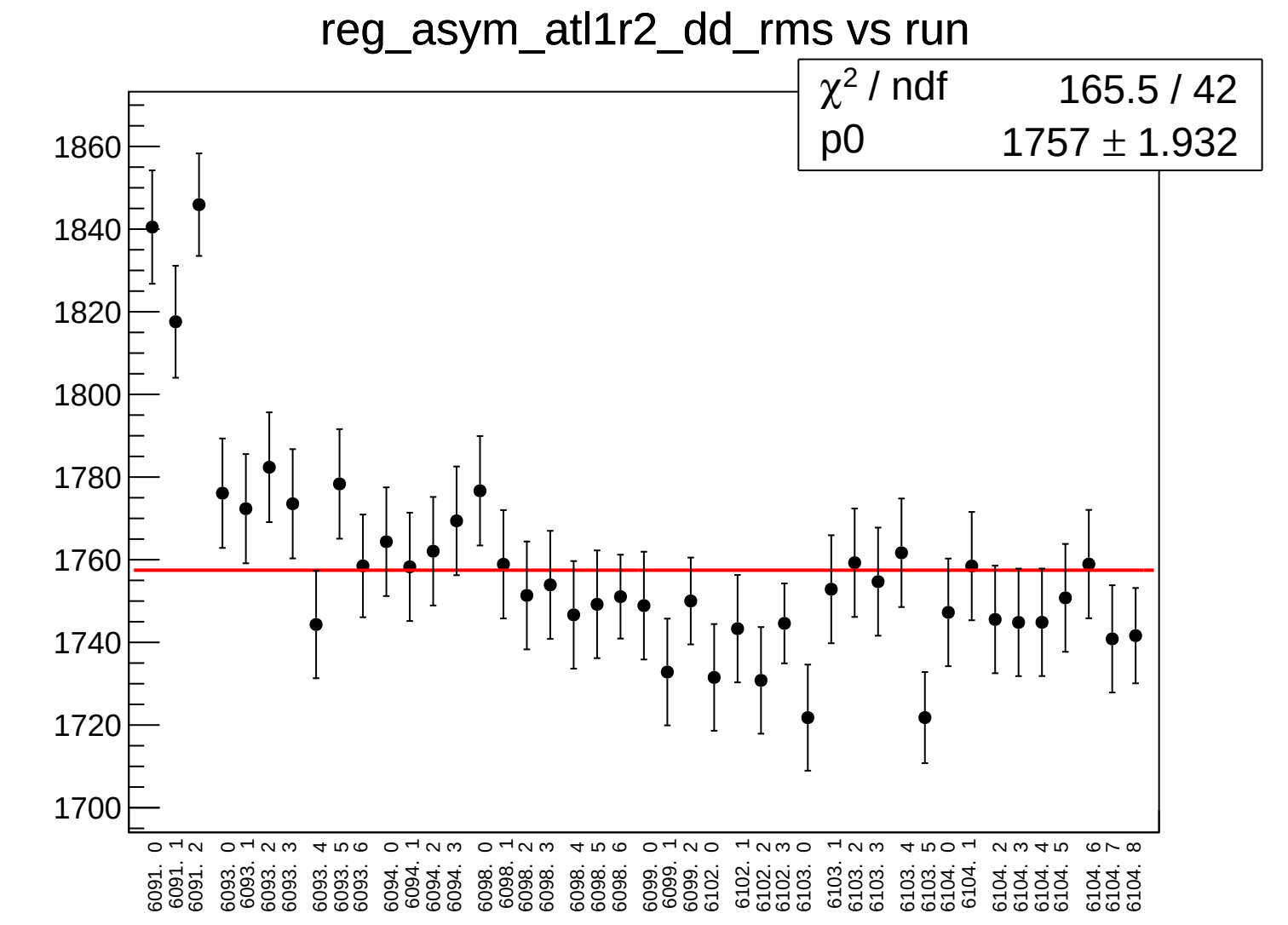


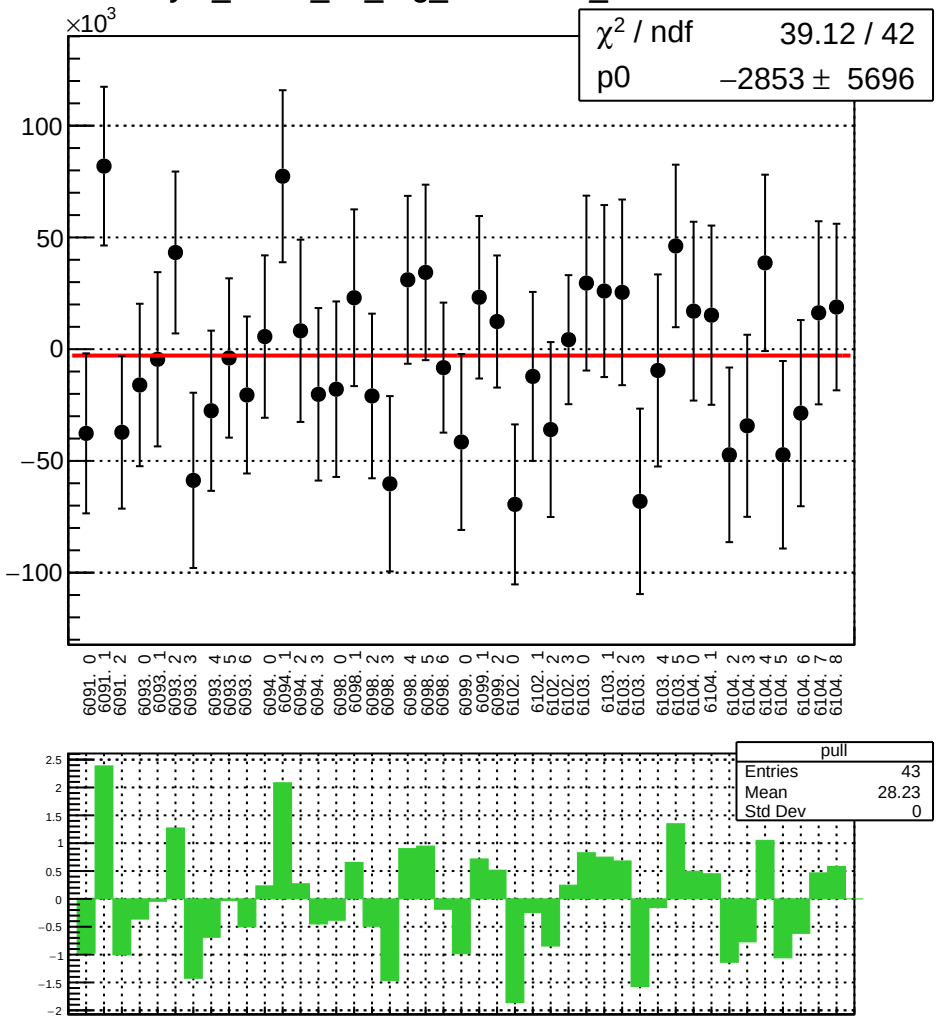

asym_atl1r2_avg_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 9.756e+04 / 42
p0 194.3 ± 0.2274
400
350
300
250
200
150
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

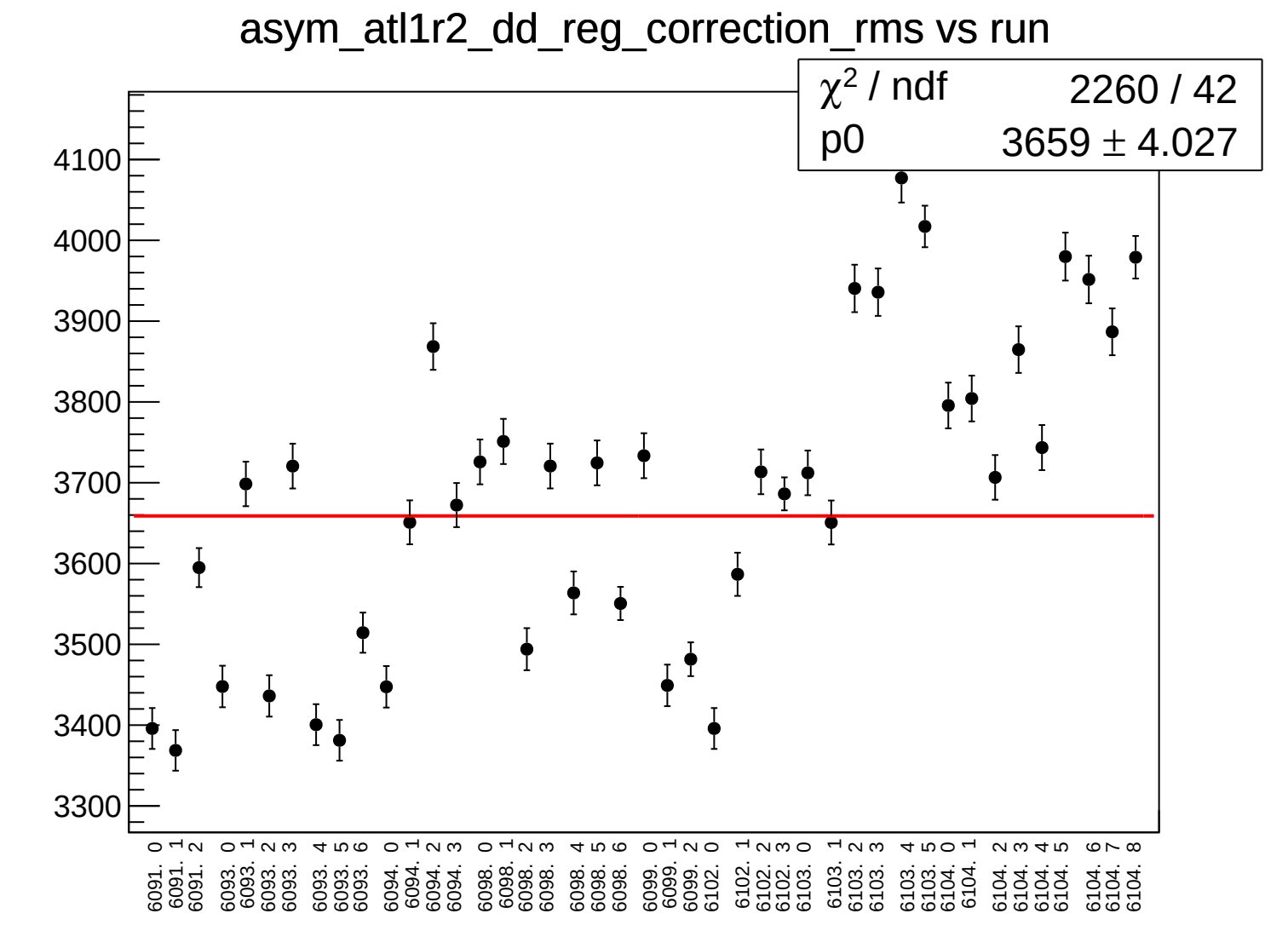

asym_atl1r2_avg_eigen_cor_vs_cor_diff_mean vs run
×10−12
χ2 / ndf 45.08 / 42
p0 −2.814e−13 ± 2.715e−13
pull
Entries 43
Mean 22.17
Std Dev 16.77
pull1D
Entries 43
Mean −0.1647
Std Dev 1.011

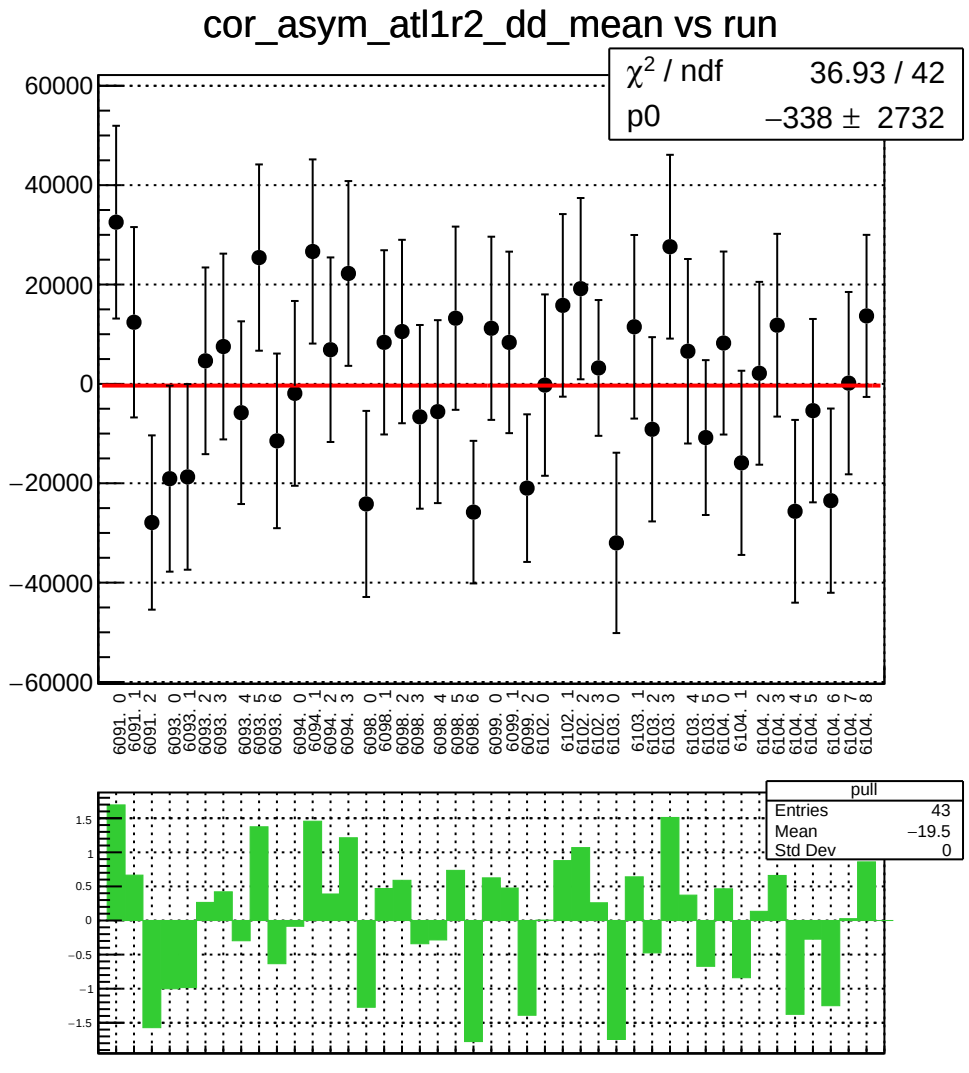

asym_atl1r2_avg_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 2.817e+05 / 42
p0 1.419e−10 ± 1.92e−13
1.4
1.2
1
0.8
0.6
0.4
0.2
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

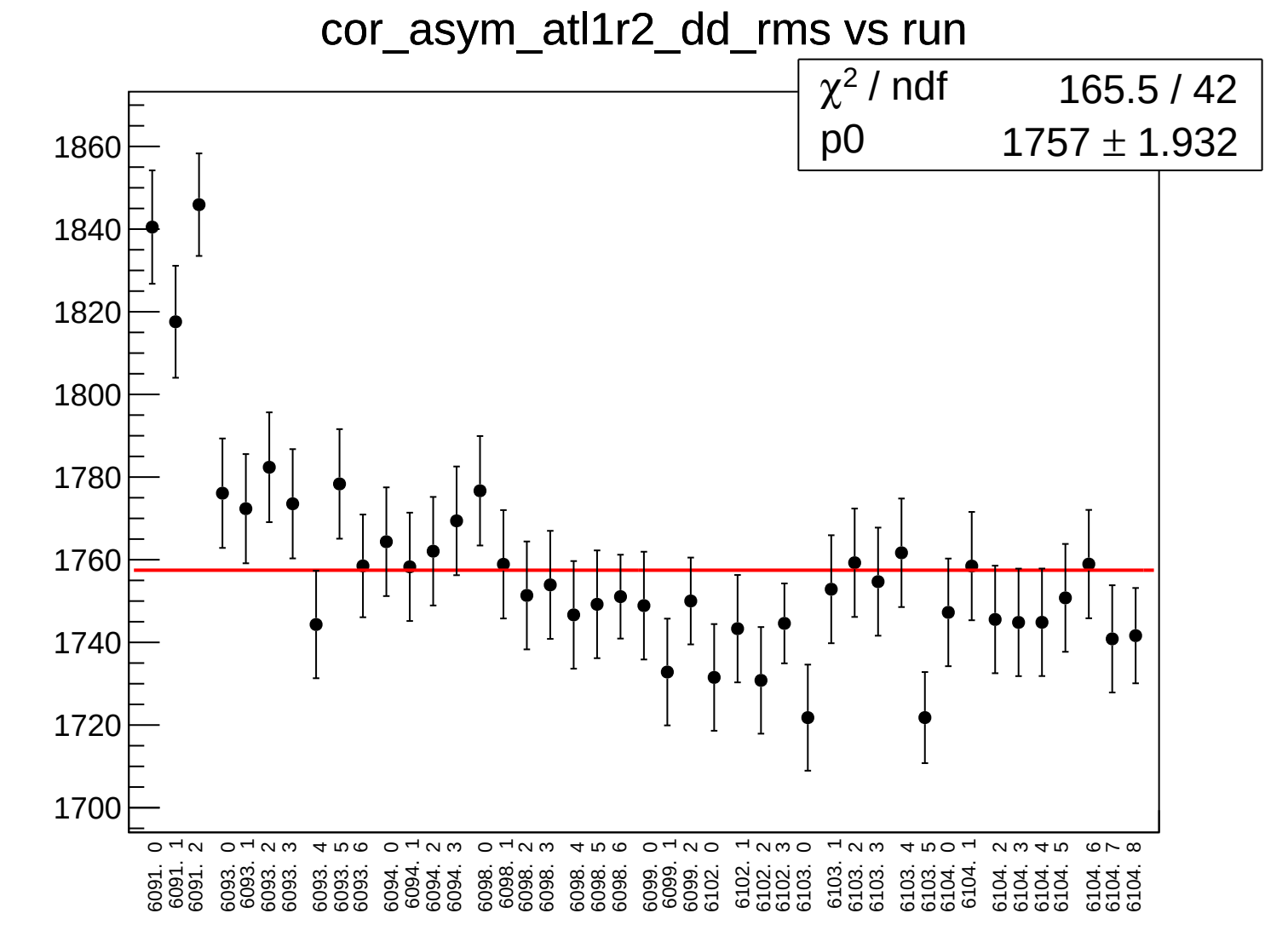

reg_asym_atl1r2_dd_mean vs run
χ² / ndf 36.93 / 42
p0 −337.1± 2732
pull
Entries 43
Mean −19.53
Std Dev 0
pull1D
Entries 43
Mean 0.02315
Std Dev 0.9265


reg_asym_atl1r2_dd_rms vs run
χ² / ndf 165.5 / 42
p0 1757 ± 1.932
1860
1840
1820
1800
1780
1760
1740
1720
1700
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8


asym_atl1r2_dd_reg_correction_mean vs run
×10^3
χ^2 / ndf 39.12 / 42
p0 −2853 ± 5696
100
50
0
−50
−100
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 28.23
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 43
Mean −0.008396
Std Dev 0.9538
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


asym_atl1r2_dd_reg_correction_rms vs run
χ² / ndf 2260 / 42
p0 3659 ± 4.027
4100
4000
3900
3800
3700
3600
3500
3400
3300
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8


cor_asym_atl1r2_dd_mean vs run
χ² / ndf 36.93 / 42
p0 −338 ± 2732
pull
Entries 43
Mean −19.5
Std Dev 0
pull1D
Entries 43
Mean 0.02315
Std Dev 0.9265


cor_asym_atl1r2_dd_rms vs run
χ² / ndf 165.5 / 42
p0 1757 ± 1.932
1860
1840
1820
1800
1780
1760
1740
1720
1700
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
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6104. 5
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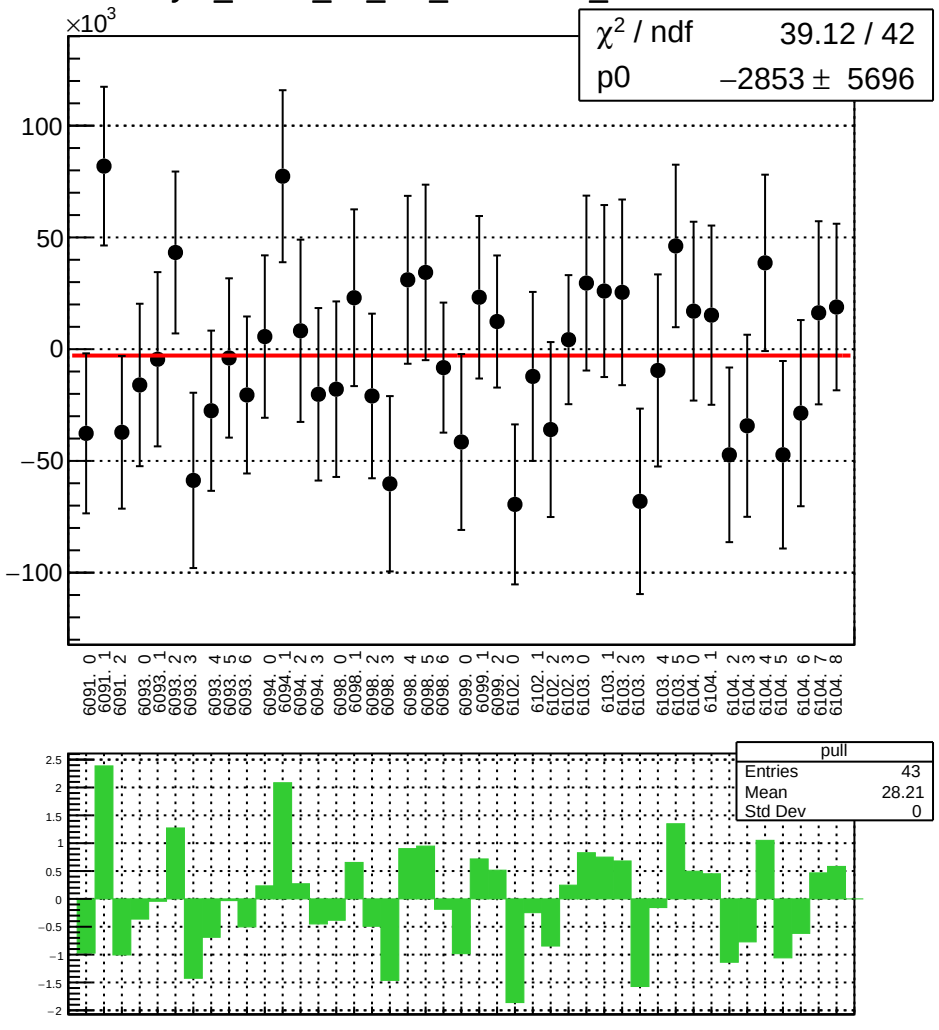
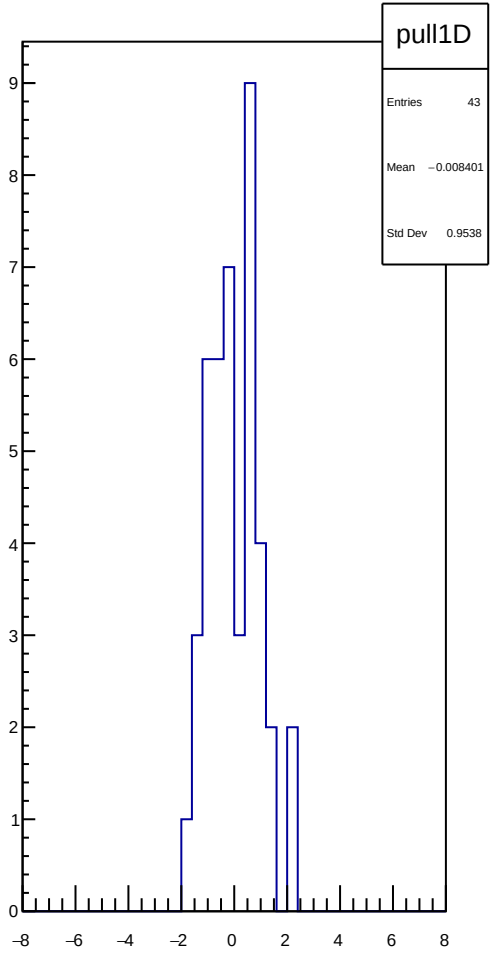
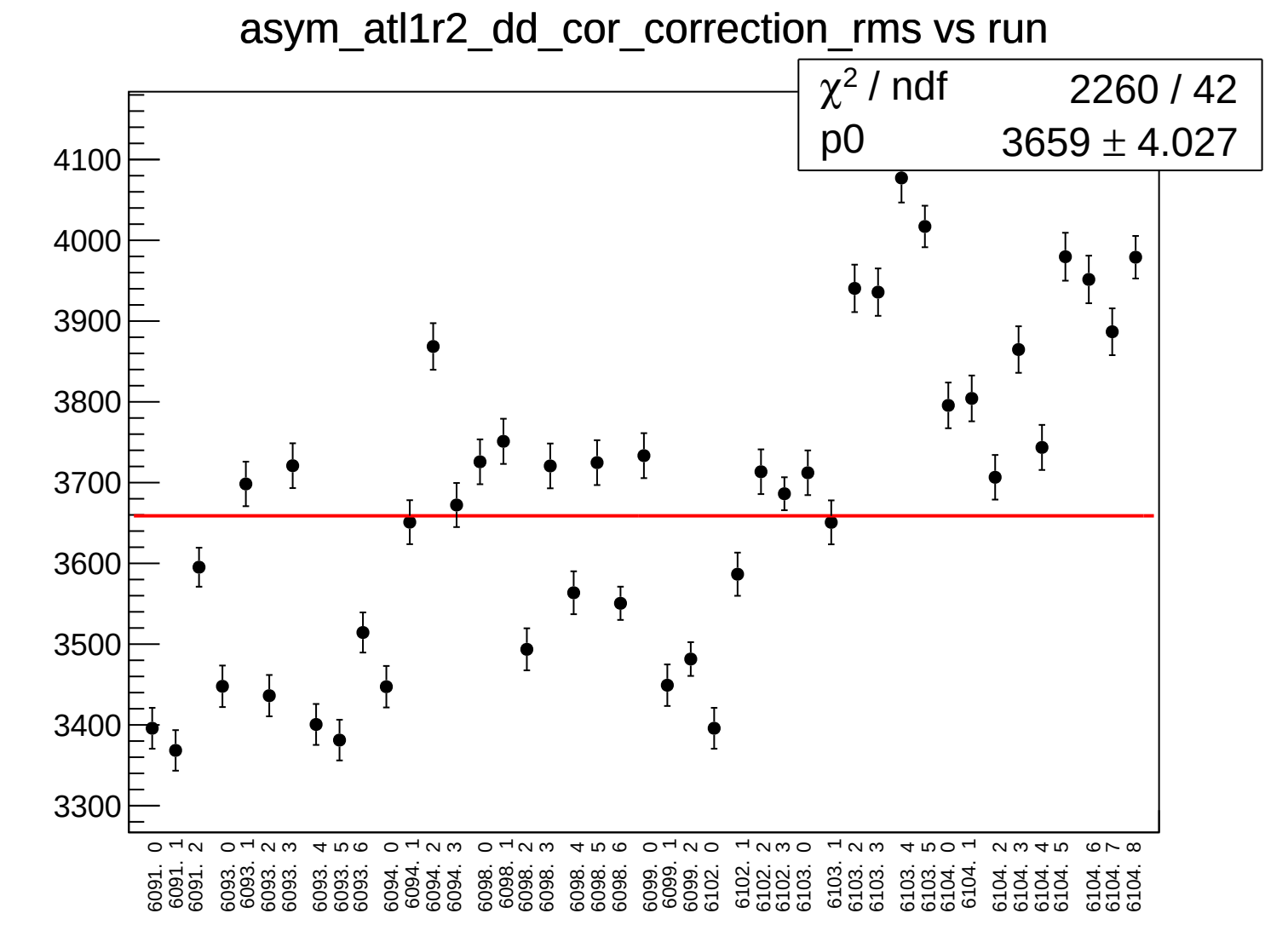
6104. 7
6104. 8


asym_atl1r2_dd_cor_correction_mean vs run
×10^3
χ² / ndf 39.12 / 42
p0 −2853 ± 5696
100
50
0
−50
−100
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 28.21
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2


pull1D
Entries 43
Mean −0.008401
Std Dev 0.9538
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


asym_atl1r2_dd_cor_correction_rms vs run
χ² / ndf 2260 / 42
p0 3659 ± 4.027
4100
4000
3900
3800
3700
3600
3500
3400
3300
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
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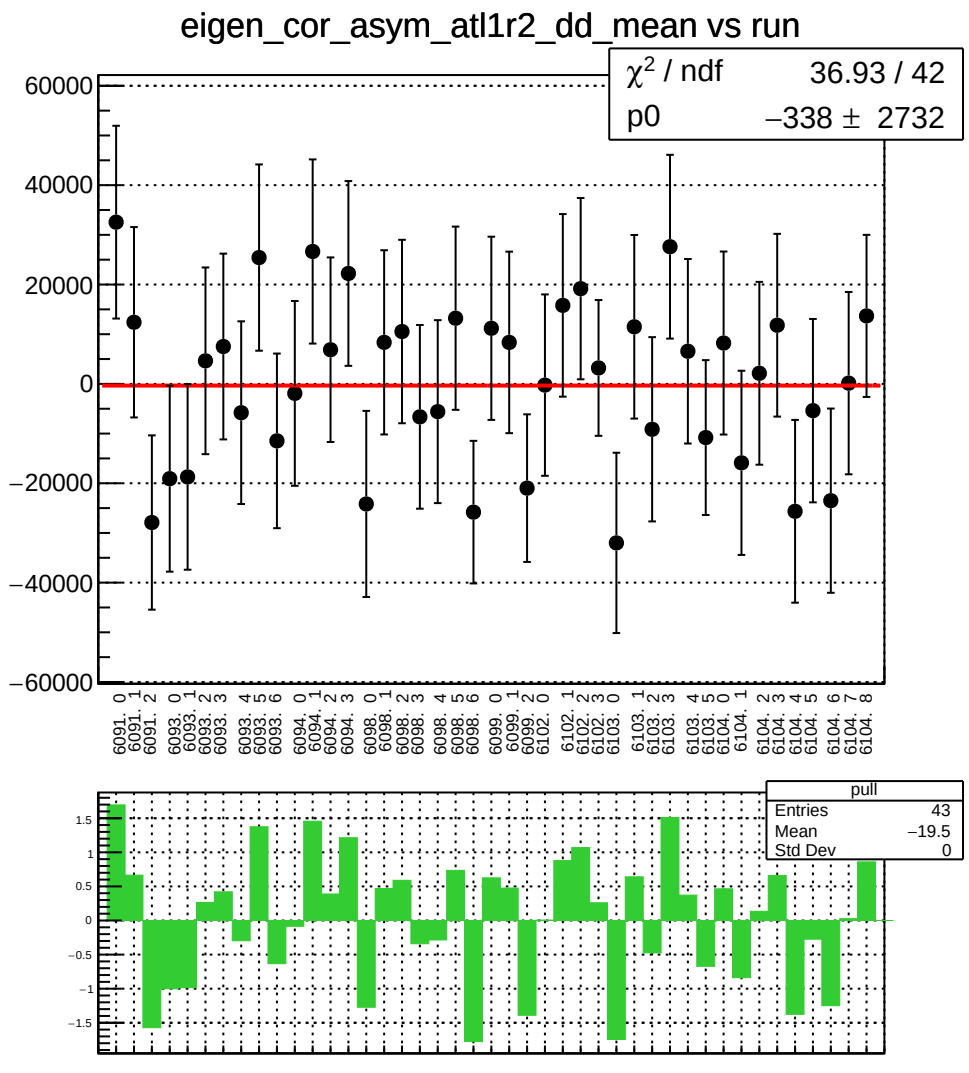
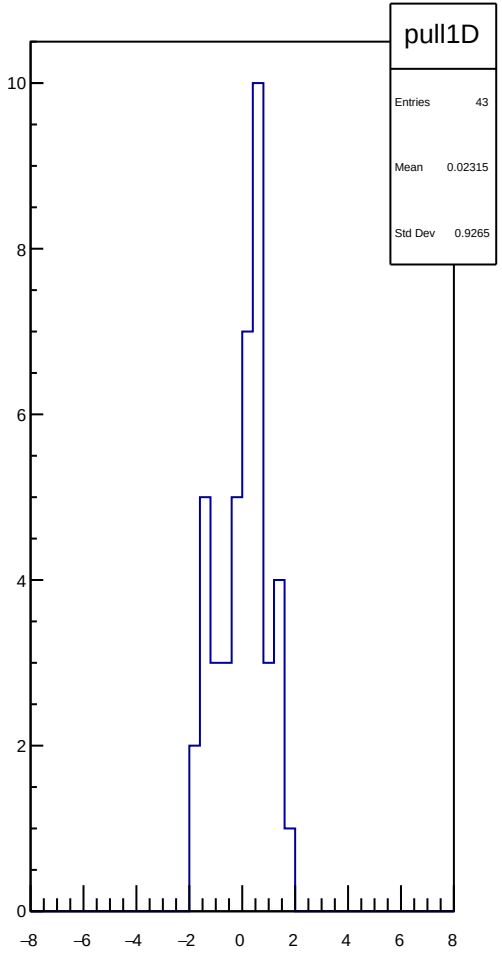
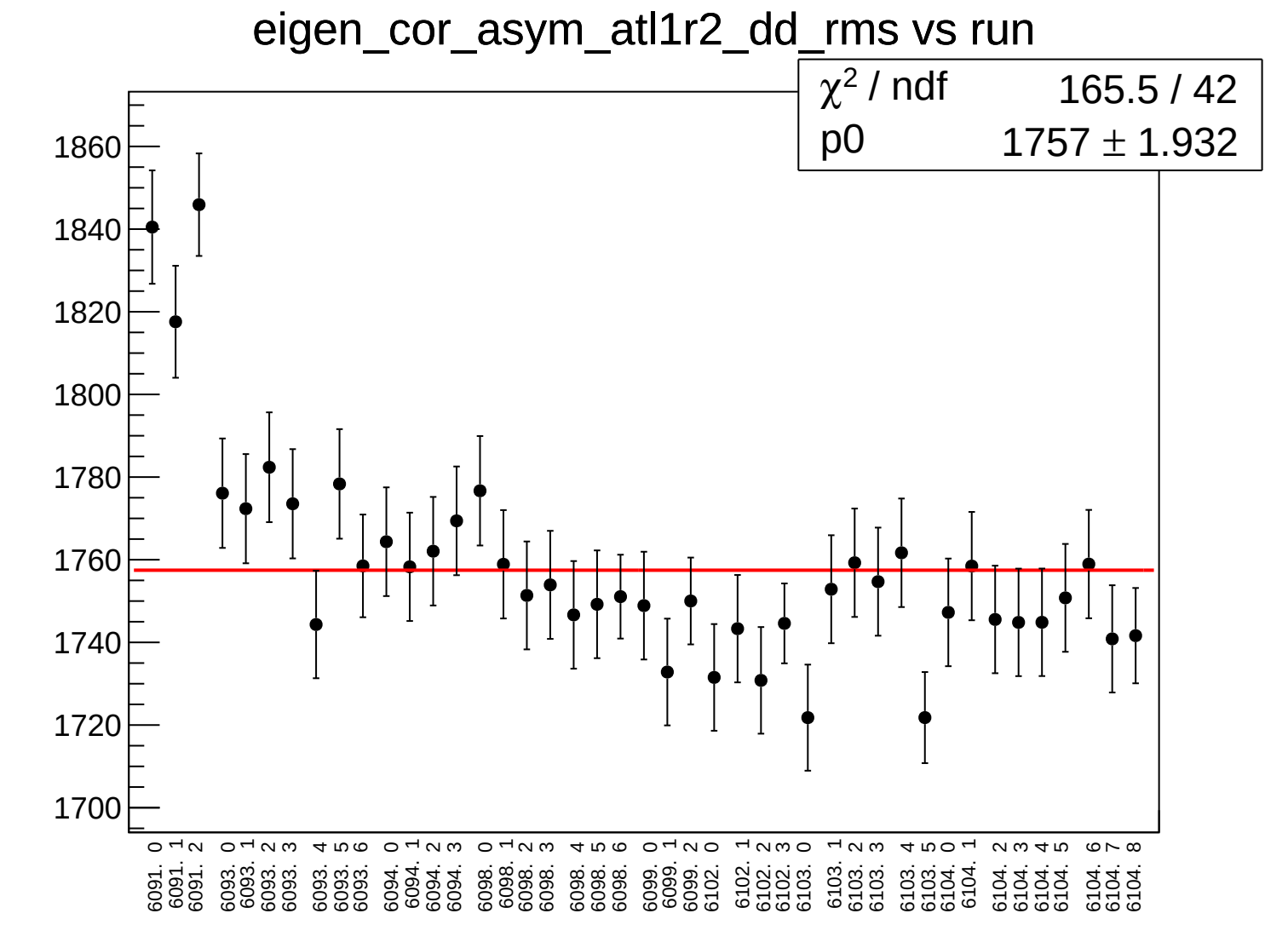
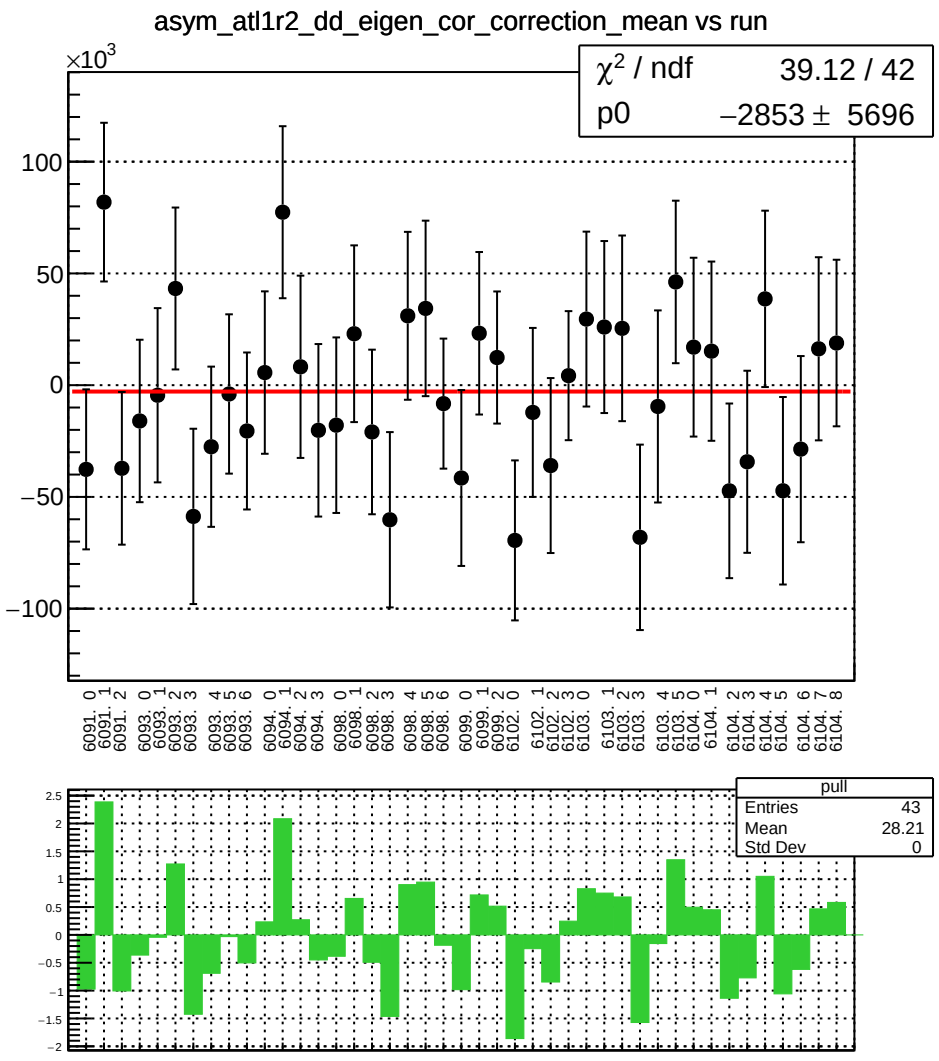
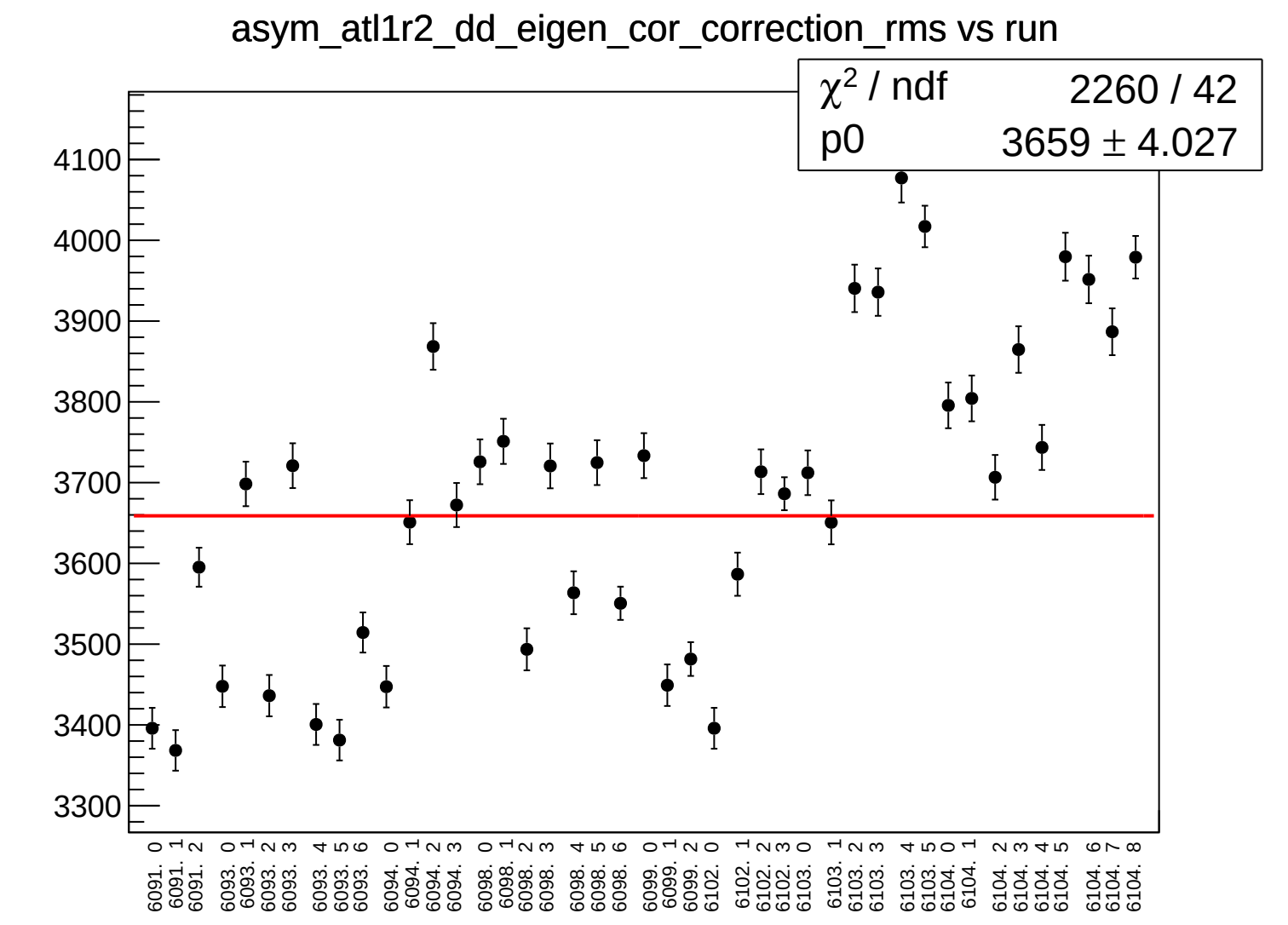
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8


eigen_cor_asym_atl1r2_dd_mean vs run
χ² / ndf 36.93 / 42
p0 −338 ± 2732
60000
40000
20000
0
−20000
−40000
−60000
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean −19.5
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5


pull1D
Entries 43
Mean 0.02315
Std Dev 0.9265
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


eigen_cor_asym_atl1r2_dd_rms vs run
χ² / ndf 165.5 / 42
p0 1757 ± 1.932
1860
1840
1820
1800
1780
1760
1740
1720
1700
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8


asym_atl1r2_dd_eigen_cor_correction_mean vs run
×10^3
χ² / ndf 39.12 / 42
p0 −2853 ± 5696
100
50
0
−50
−100
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 28.21
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 43
Mean −0.008401
Std Dev 0.9538
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


asym_atl1r2_dd_eigen_cor_correction_rms vs run
χ² / ndf 2260 / 42
p0 3659 ± 4.027
4100
4000
3900
3800
3700
3600
3500
3400
3300
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
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6104. 0
6104. 1
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6104. 3
6104. 4
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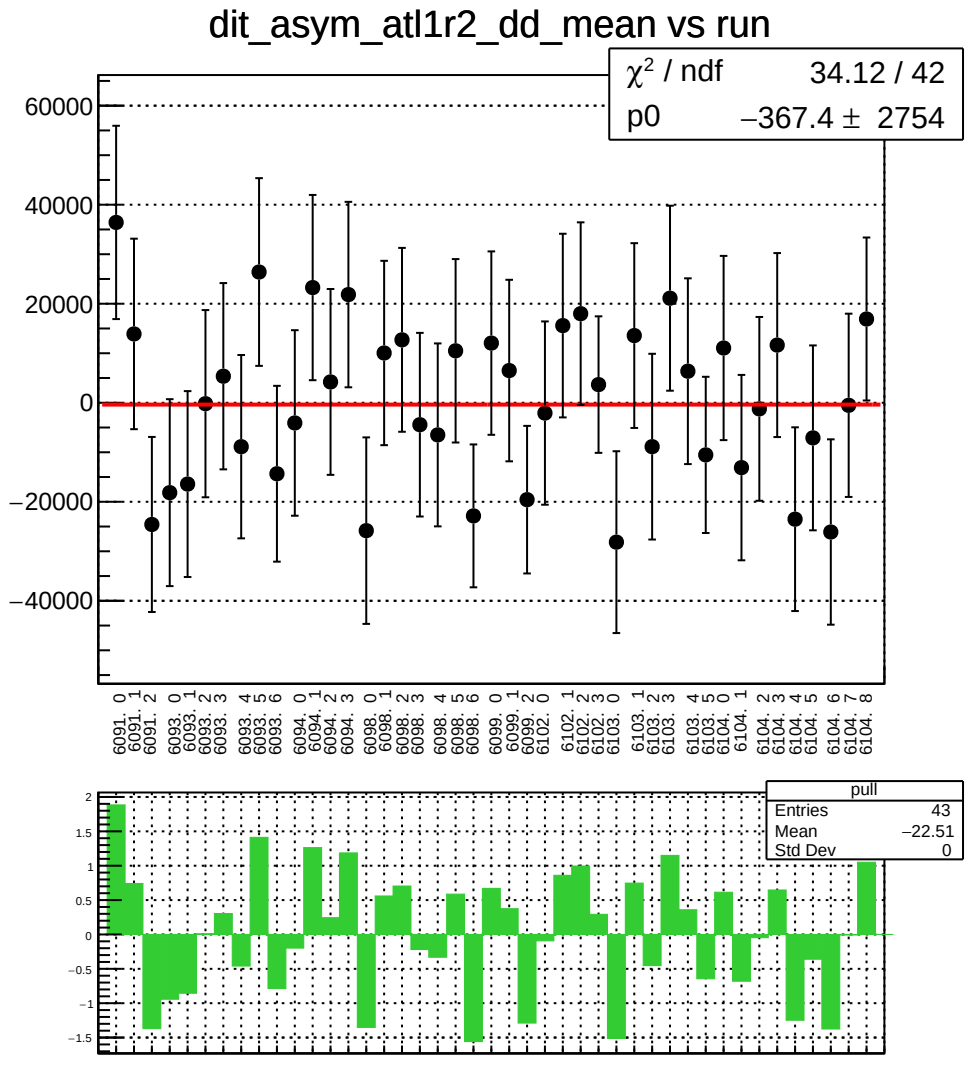
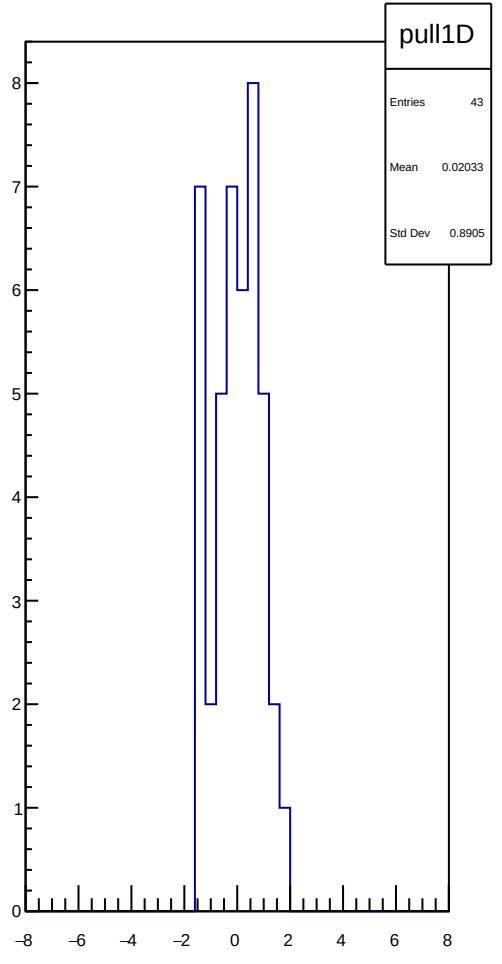
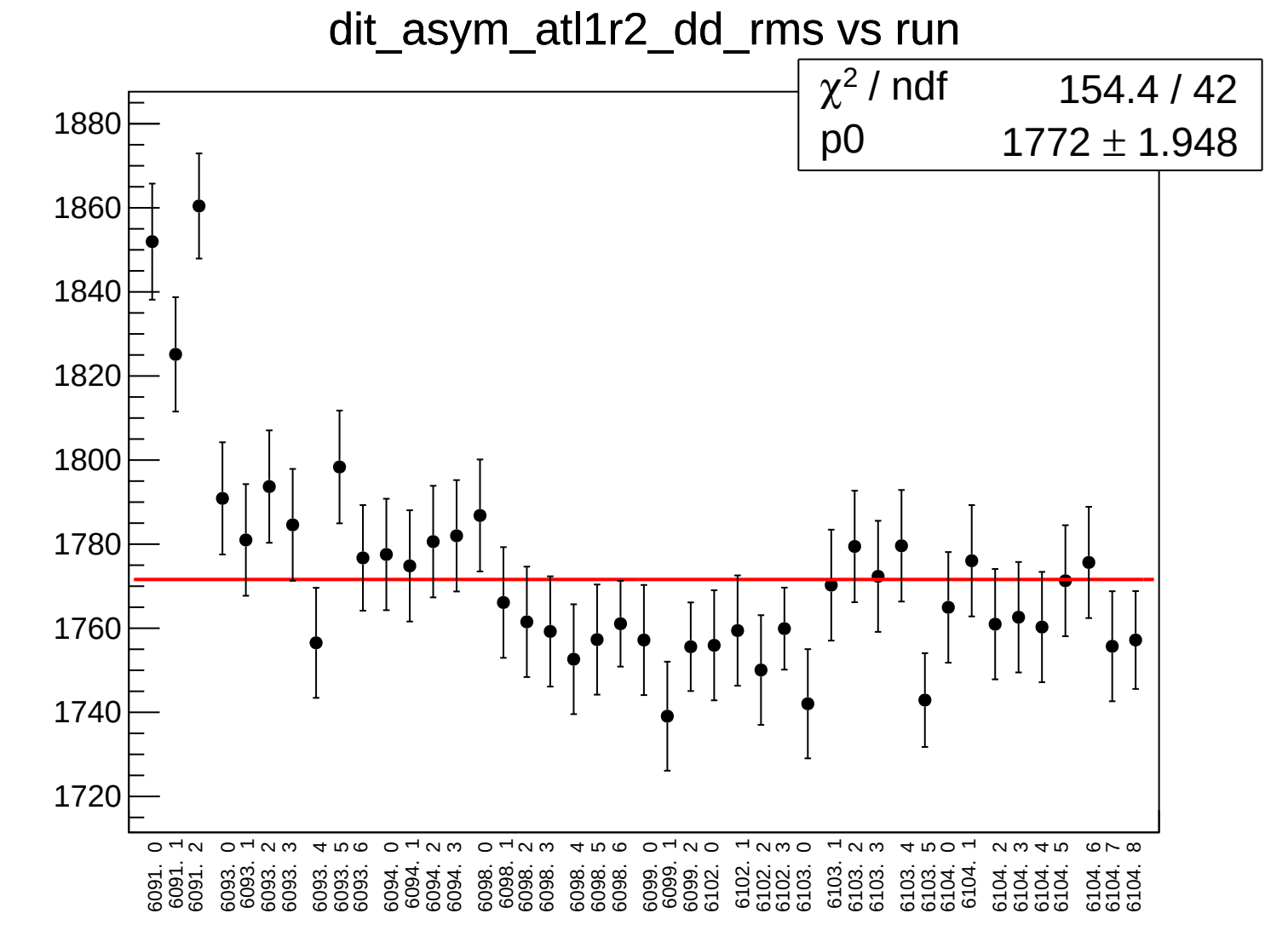
6104. 7
6104. 8


dit_asym_atl1r2_dd_mean vs run
χ² / ndf 34.12 / 42
p0 −367.4 ± 2754
60000
40000
20000
0
−20000
−40000
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean −22.51
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5


pull1D
Entries 43
Mean 0.02033
Std Dev 0.8905
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


dit_asym_atl1r2_dd_rms vs run
χ² / ndf 154.4 / 42
p0 1772 ± 1.948
1880
1860
1840
1820
1800
1780
1760
1740
1720
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
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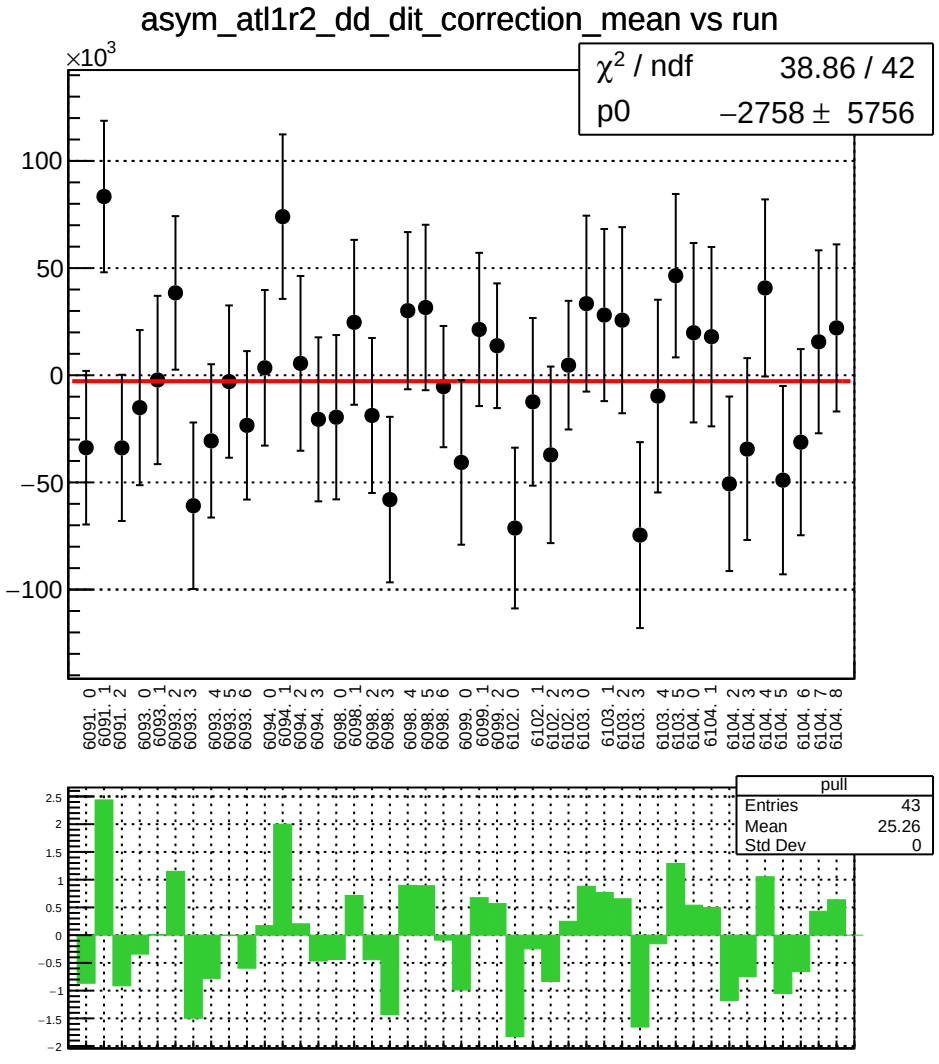
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8


asym_atl1r2_dd_dit_correction_mean vs run
×10^3
χ² / ndf 38.86 / 42
p0 −2758 ± 5756
100
50
0
−50
−100
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
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6098. 1
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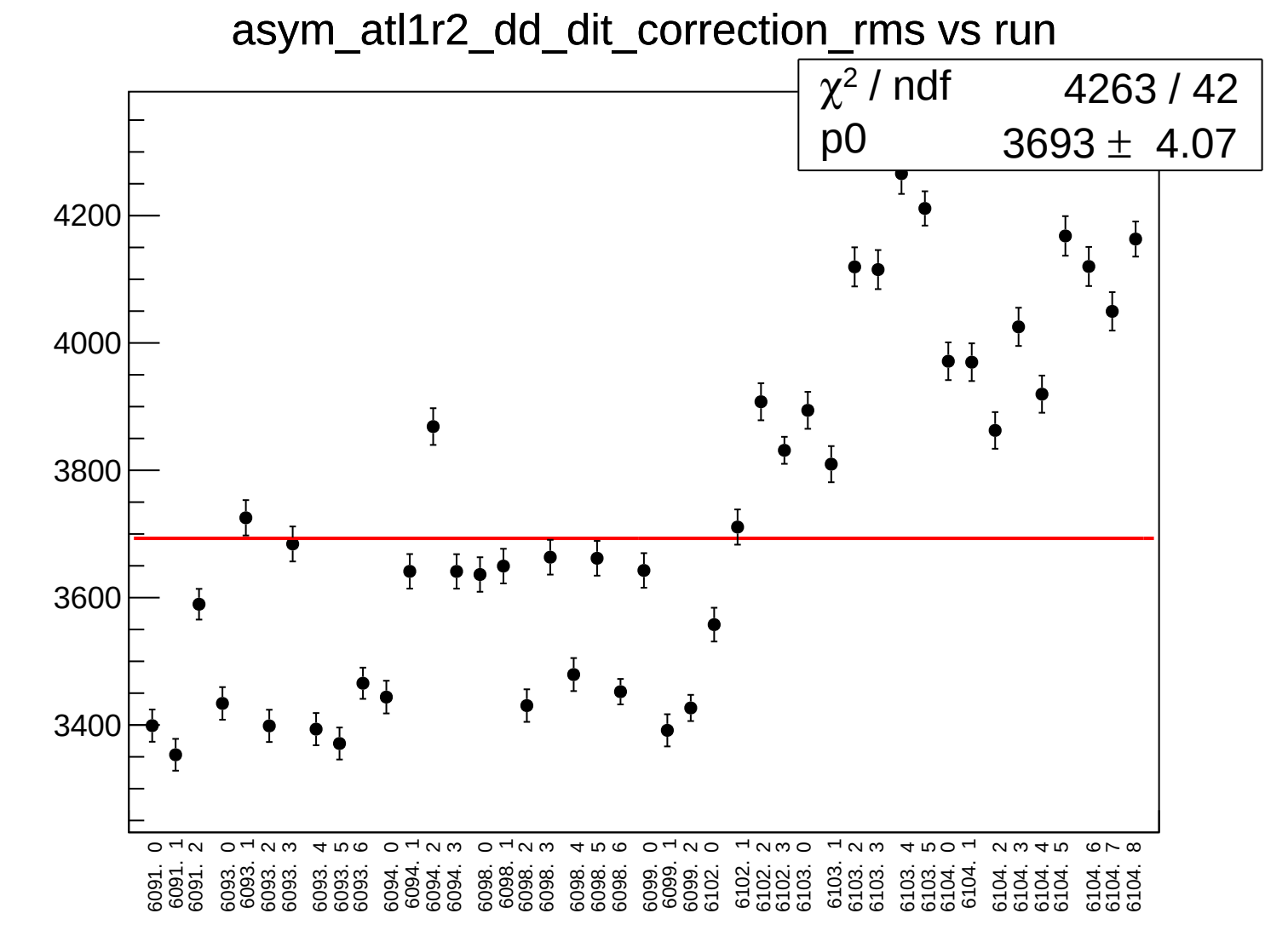
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 25.26
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 43
Mean −0.01114
Std Dev 0.9506
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


asym_atl1r2_dd_dit_correction_rms vs run
χ² / ndf 4263 / 42
p0 3693 ± 4.07
4200
4000
3800
3600
3400
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
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6093. 5
6093. 6
6094. 0
6094. 1
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6098. 4
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6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
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6104. 5
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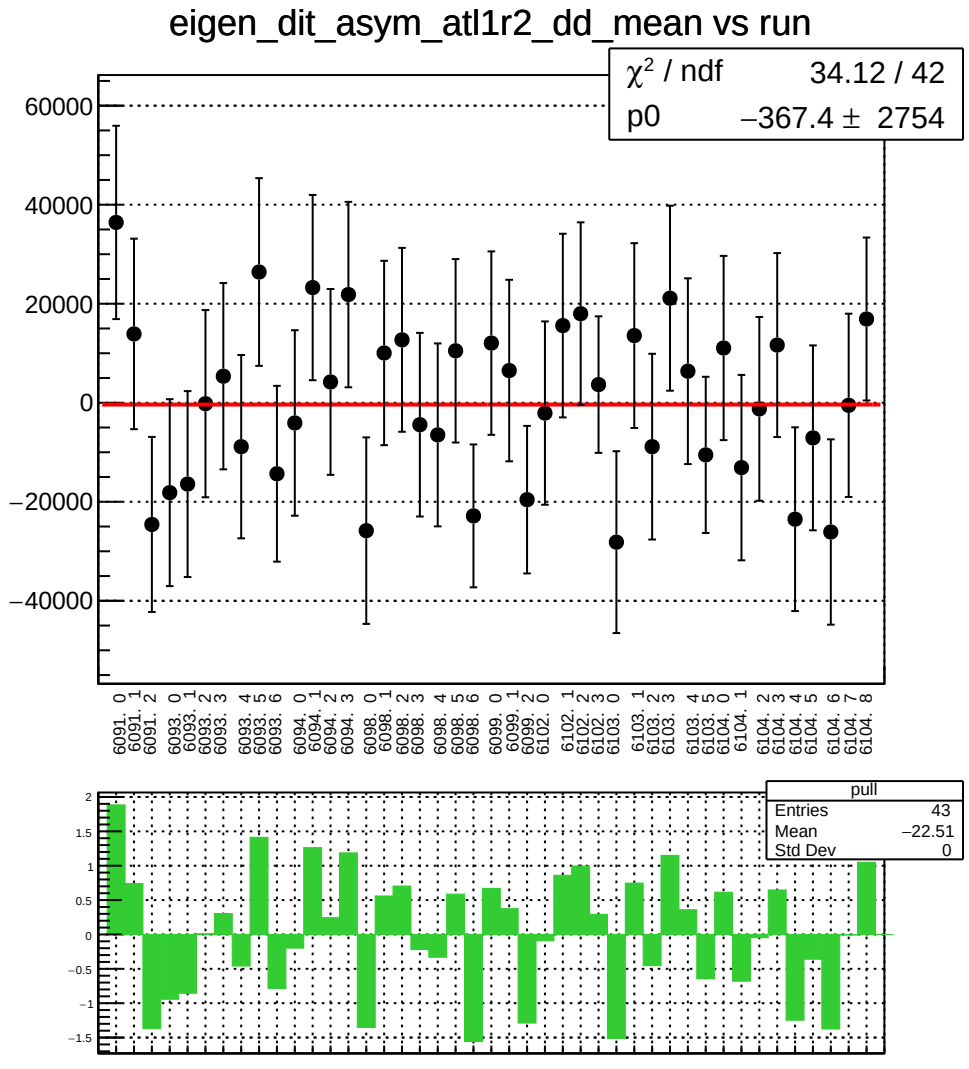
6104. 7
6104. 8


eigen_dit_asym_atl1r2_dd_mean vs run
χ² / ndf 34.12 / 42
p0 −367.4 ± 2754
60000
40000
20000
0
−20000
−40000
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
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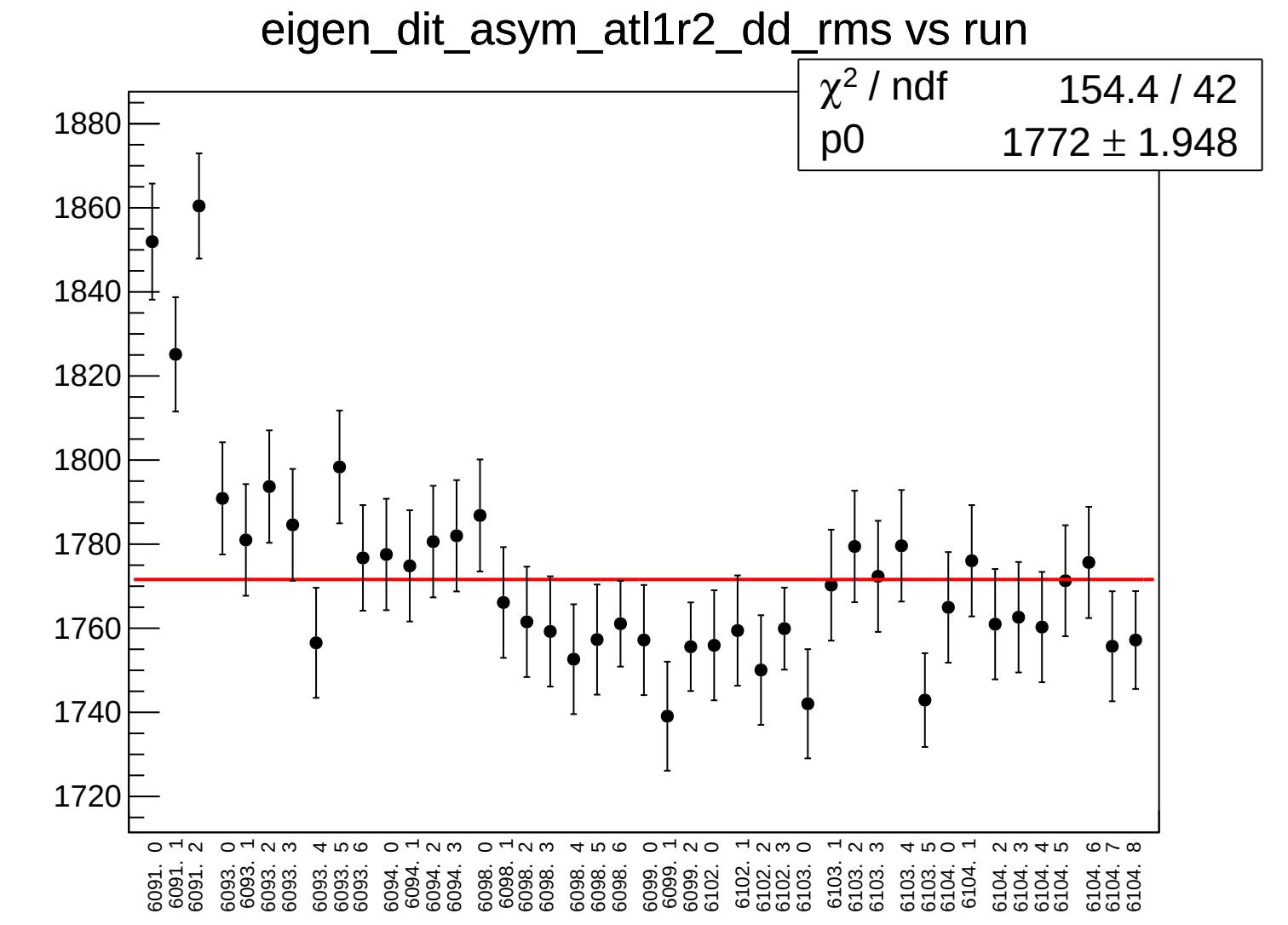
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean −22.51
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 43
Mean 0.02033
Std Dev 0.8905
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


eigen_dit_asym_atl1r2_dd_rms vs run
χ² / ndf 154.4 / 42
p0 1772 ± 1.948
1880
1860
1840
1820
1800
1780
1760
1740
1720
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
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6103. 1
6103. 2
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6103. 4
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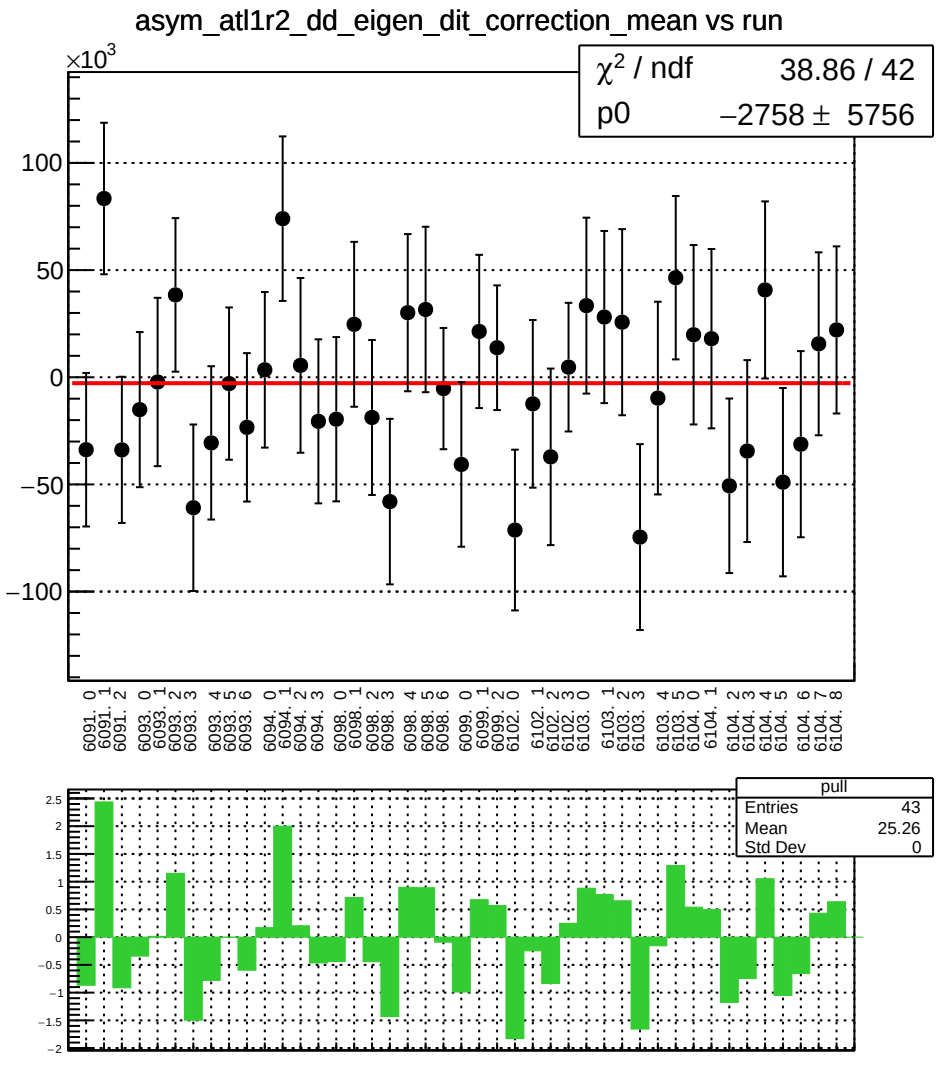
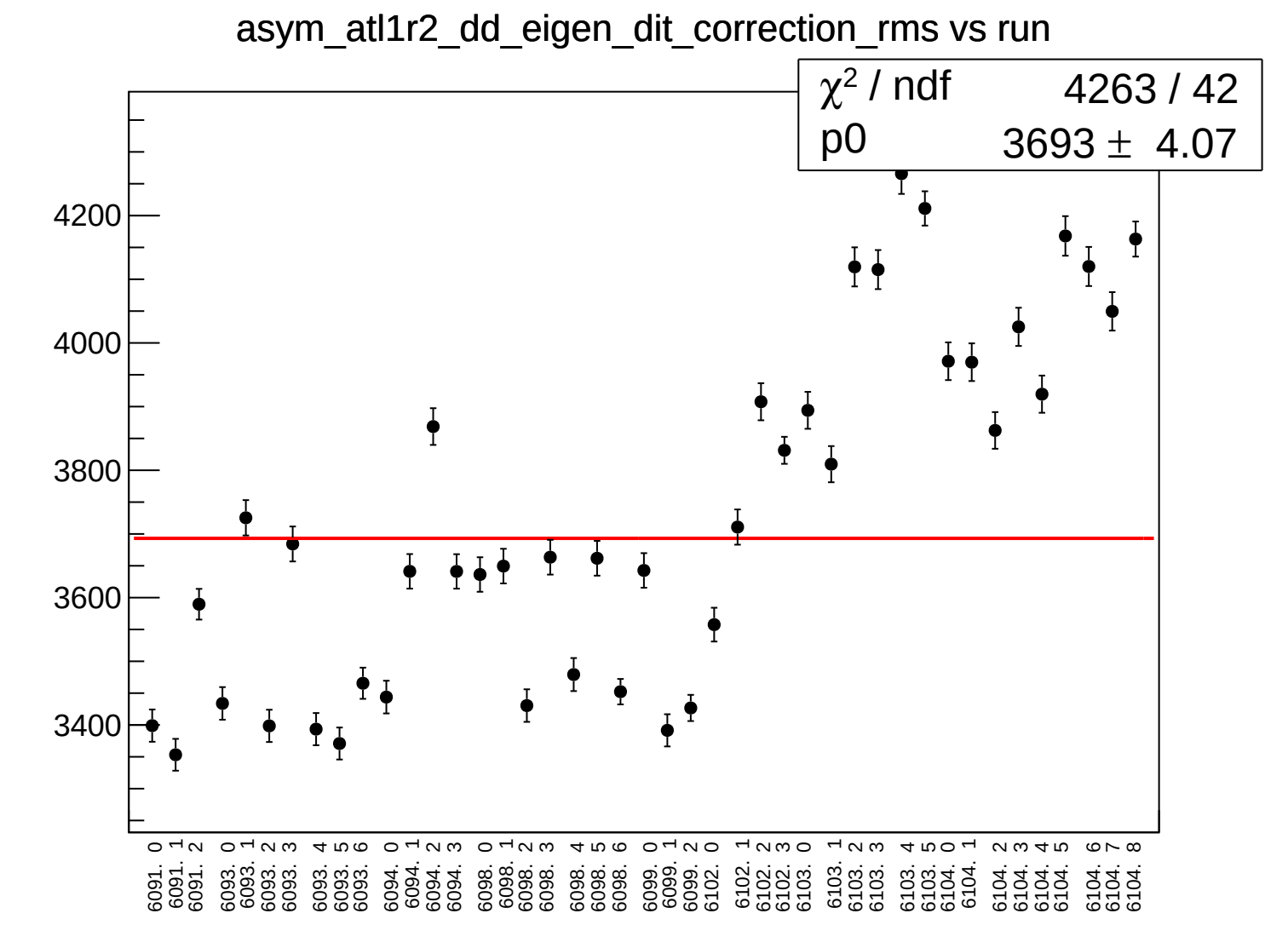
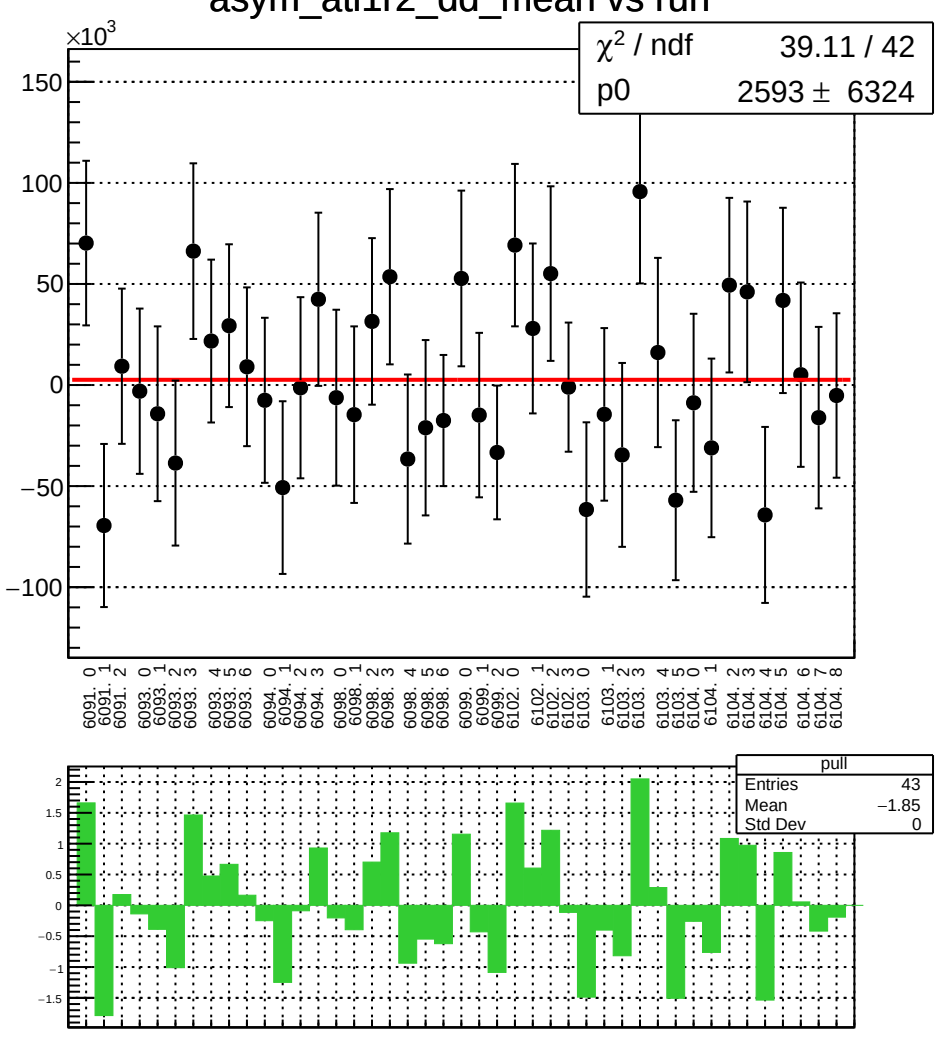
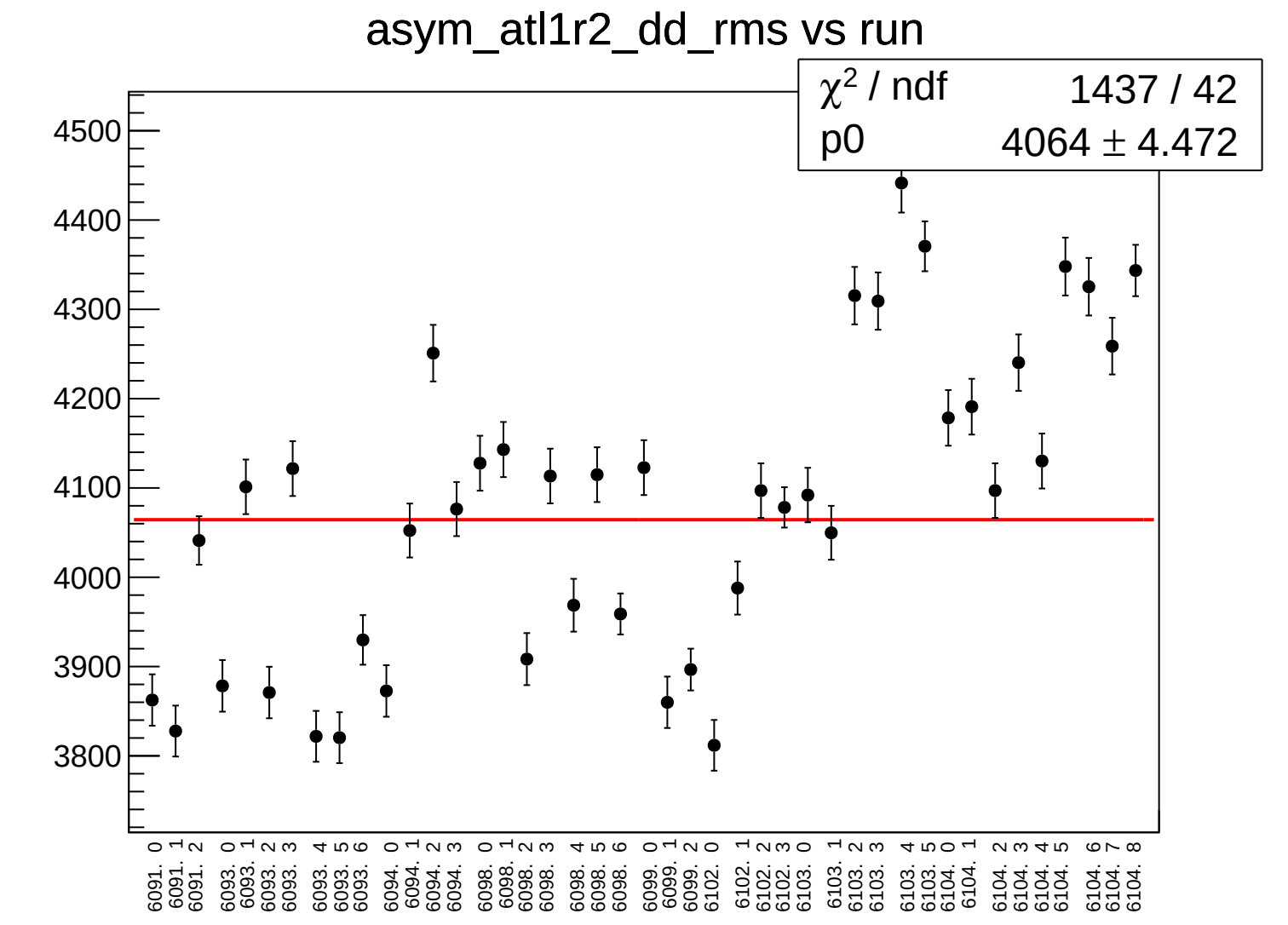
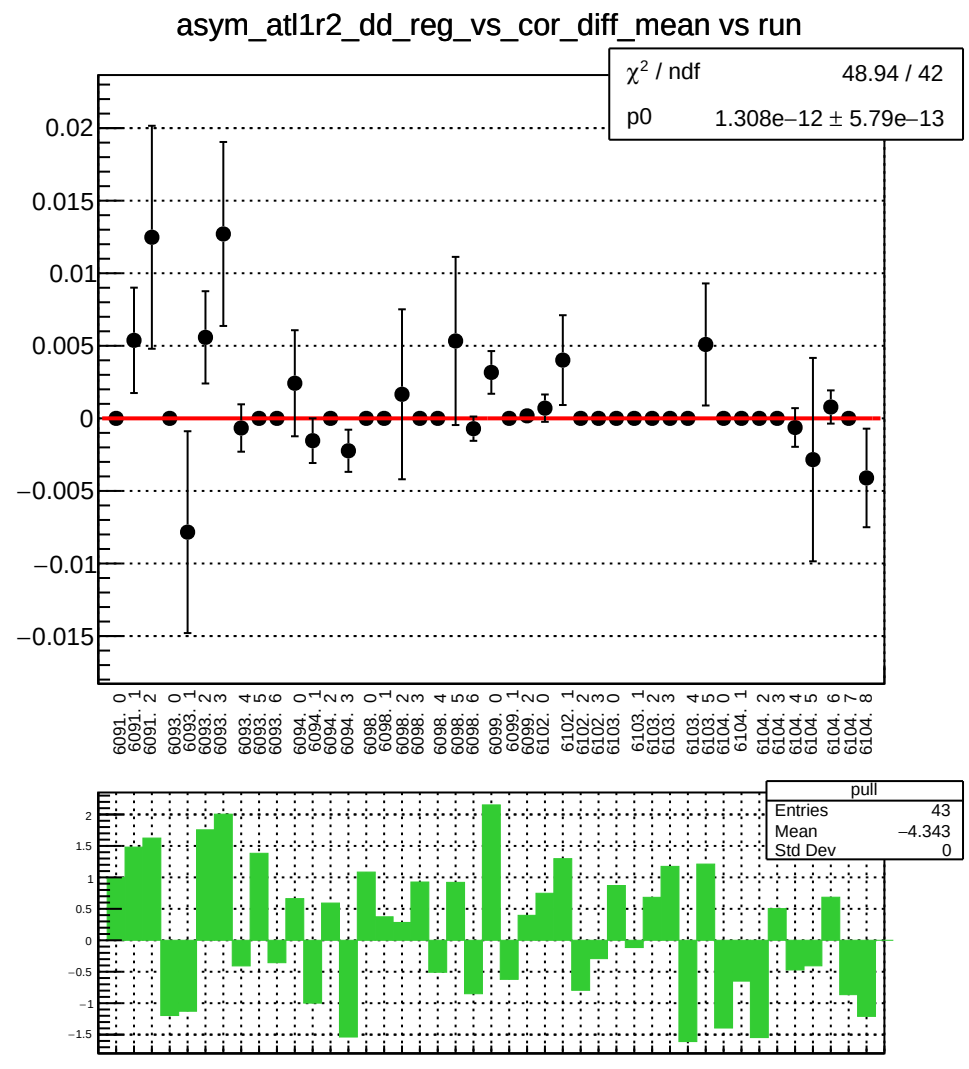
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

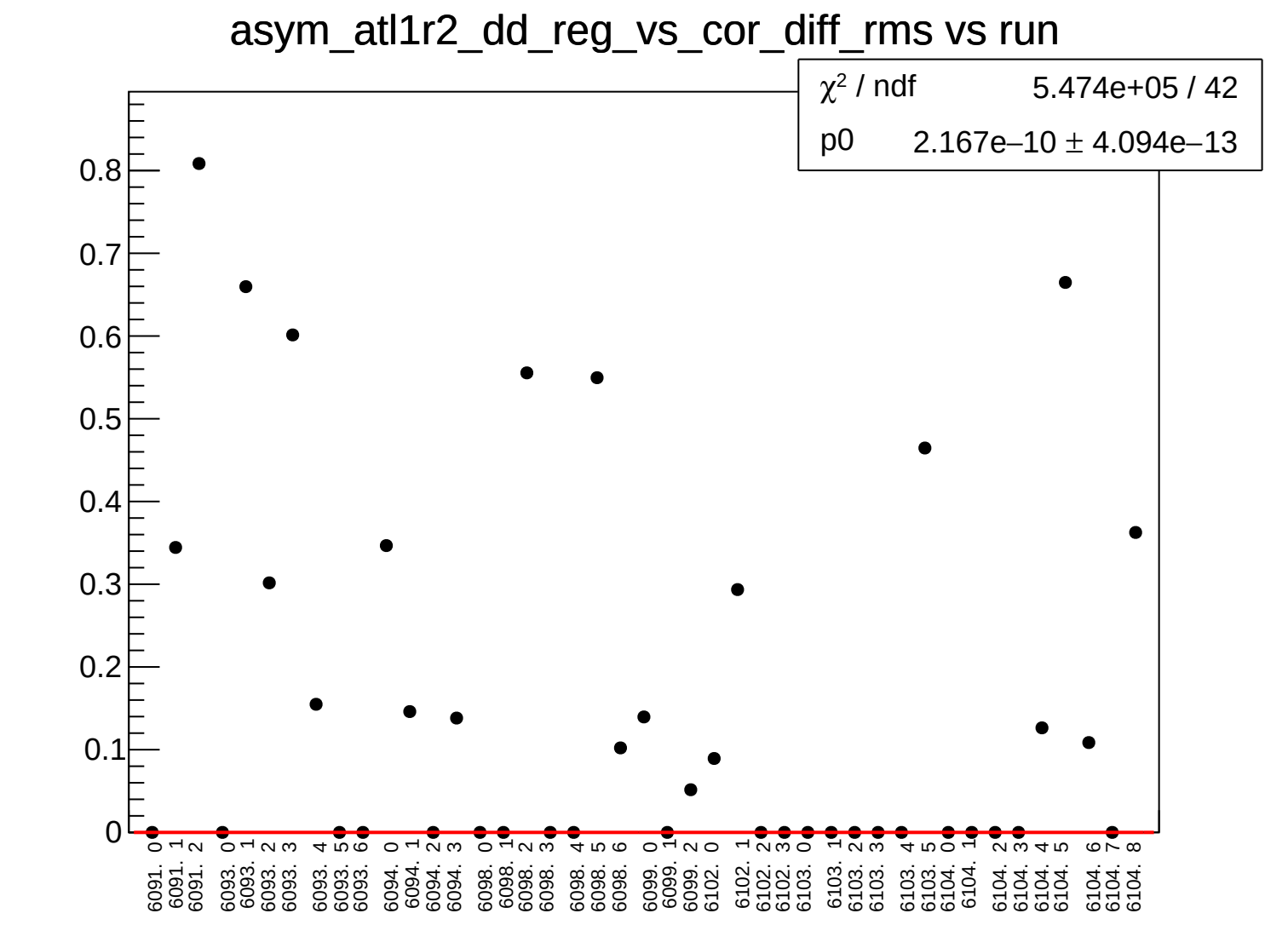

asym_atl1r2_dd_eigen_dit_correction_mean vs run
×10^3
χ² / ndf 38.86 / 42
p0 −2758 ± 5756
100
50
0
−50
−100
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 25.26
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 43
Mean −0.01114
Std Dev 0.9506
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

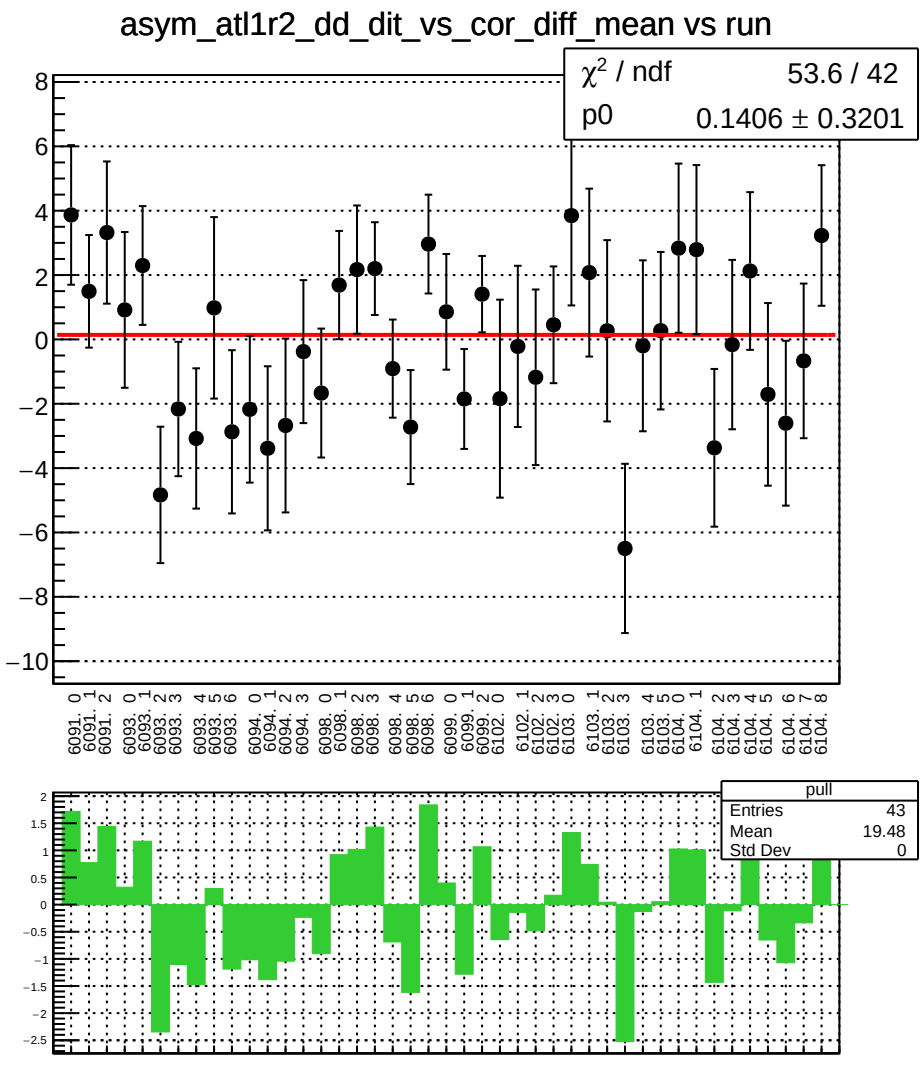

asym_atl1r2_dd_eigen_dit_correction_rms vs run
χ² / ndf 4263 / 42
p0 3693 ± 4.07
4200
4000
3800
3600
3400
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

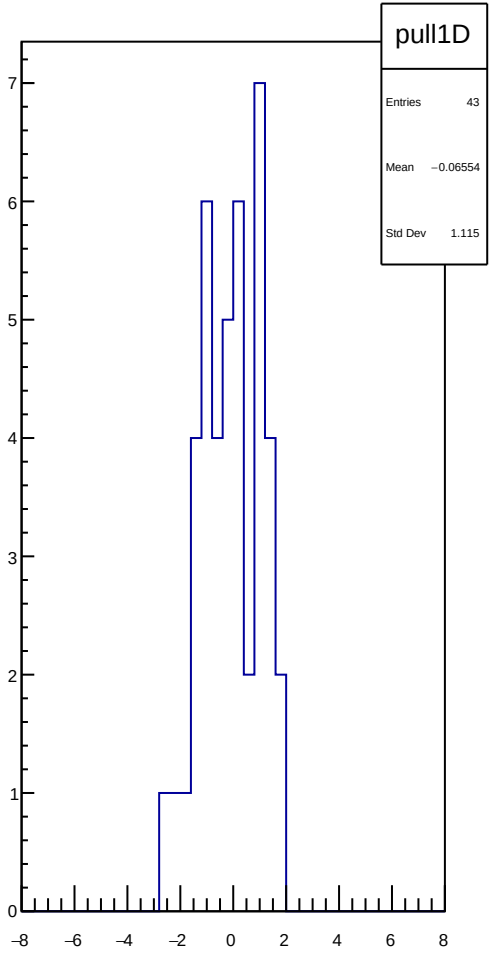

asym_atl1r2_dd_mean vs run
×10^3
χ² / ndf 39.11 / 42
p0 2593 ± 6324
150
100
50
0
−50
−100
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean −1.85
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 43
Mean 0.01707
Std Dev 0.9536
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

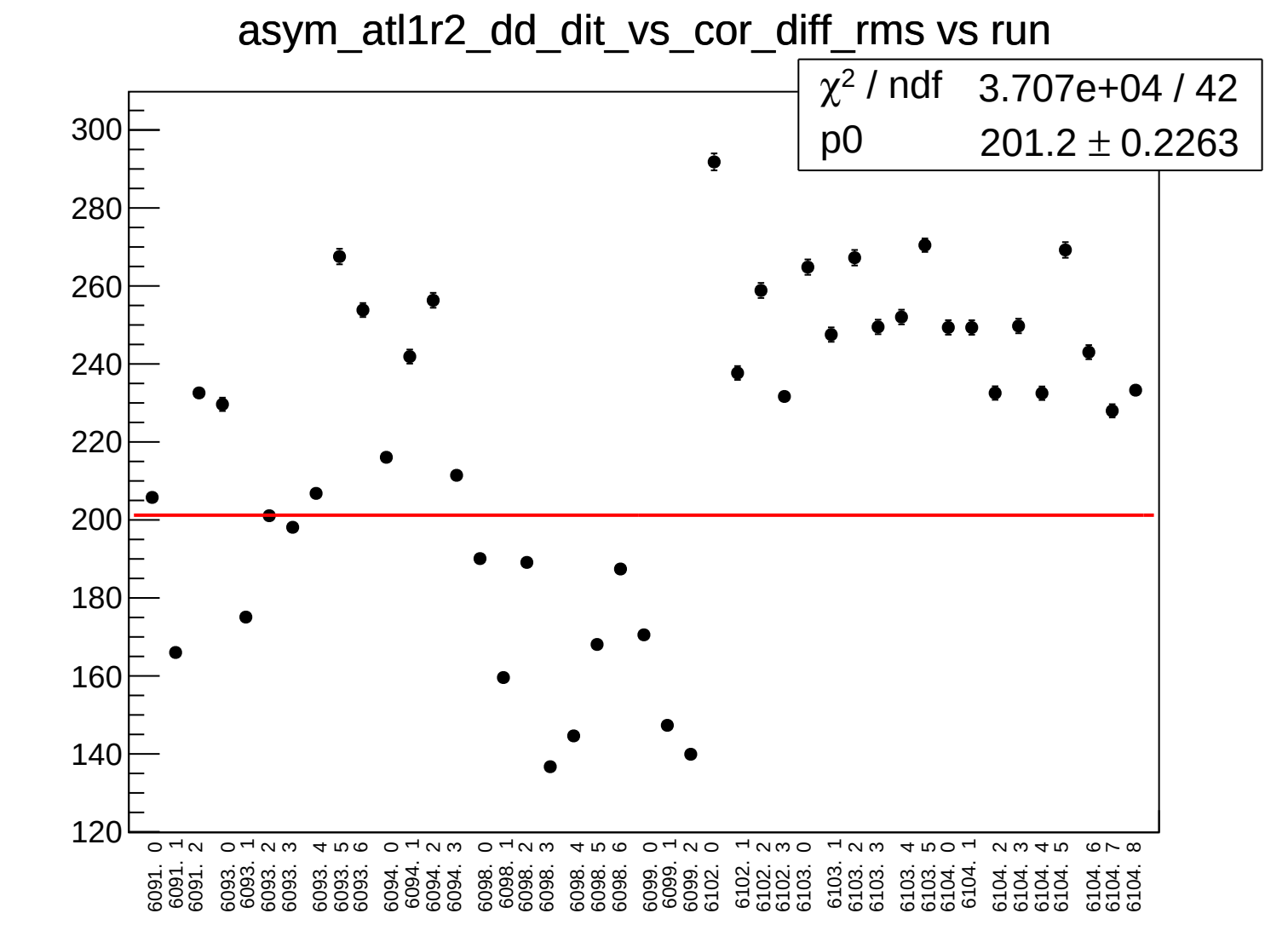

asym_atl1r2_dd_rms vs run
χ² / ndf 1437 / 42
p0 4064 ± 4.472
4500
4400
4300
4200
4100
4000
3900
3800
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8


asym_atl1r2_dd_reg_vs_cor_diff_mean vs run
χ² / ndf 48.94 / 42
p0 1.308e−12 ± 5.79e−13
0.02
0.015
0.01
0.005
0
−0.005
−0.01
−0.015
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean −4.343
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 43
Mean 0.1595
Std Dev 1.055
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

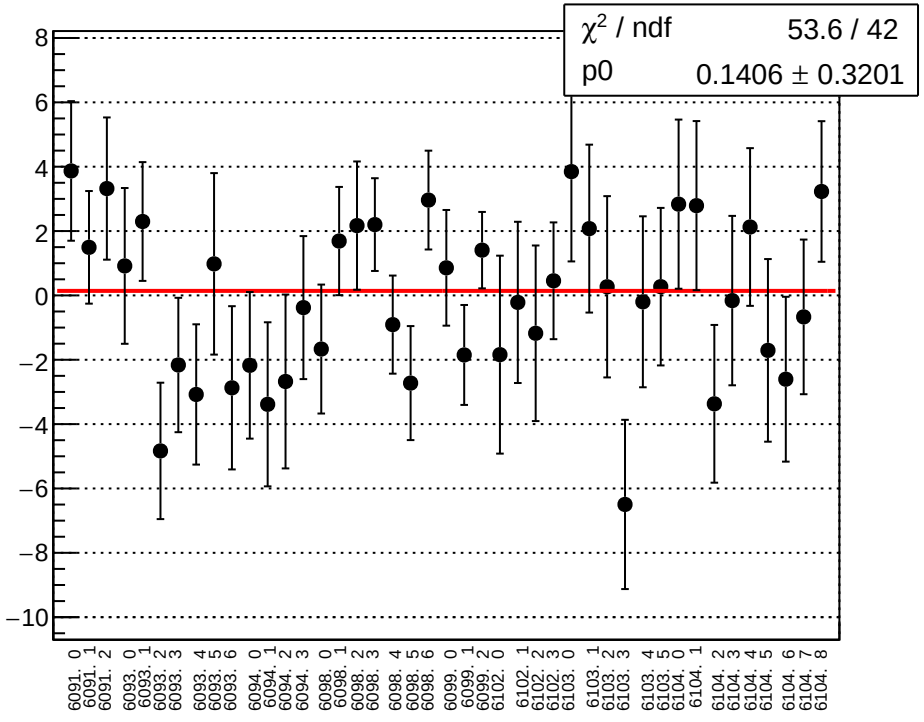

asym_atl1r2_dd_reg_vs_cor_diff_rms vs run
χ² / ndf 5.474e+05 / 42
p0 2.167e−10 ± 4.094e−13
0
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

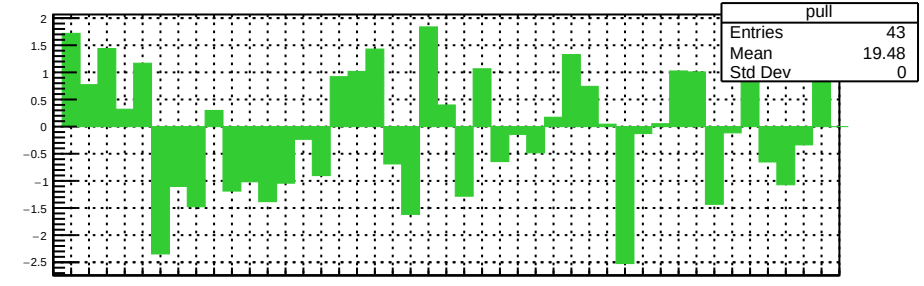

asym_atl1r2_dd_dit_vs_cor_diff_mean vs run
χ² / ndf 53.6 / 42
p0 0.1406 ± 0.3201
pull
Entries 43
Mean 19.48
Std Dev 0

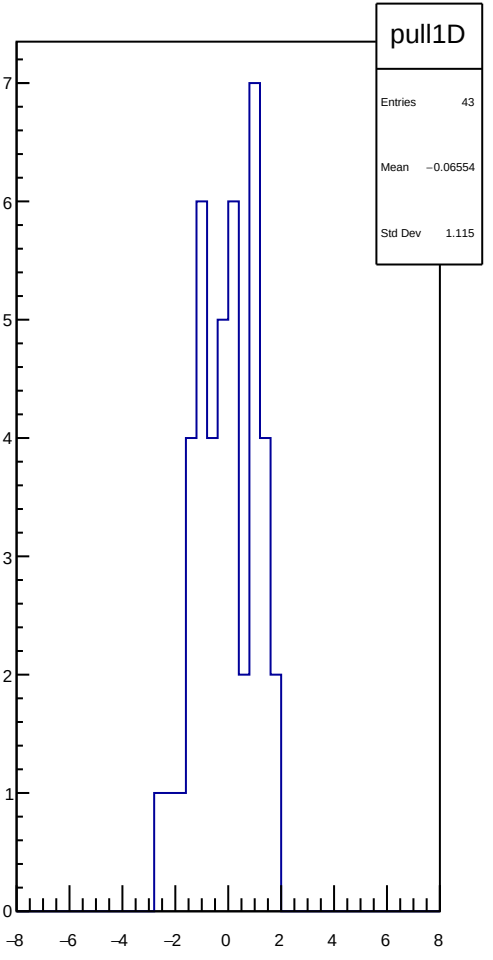

pull1D
Entries 43
Mean −0.06554
Std Dev 1.115

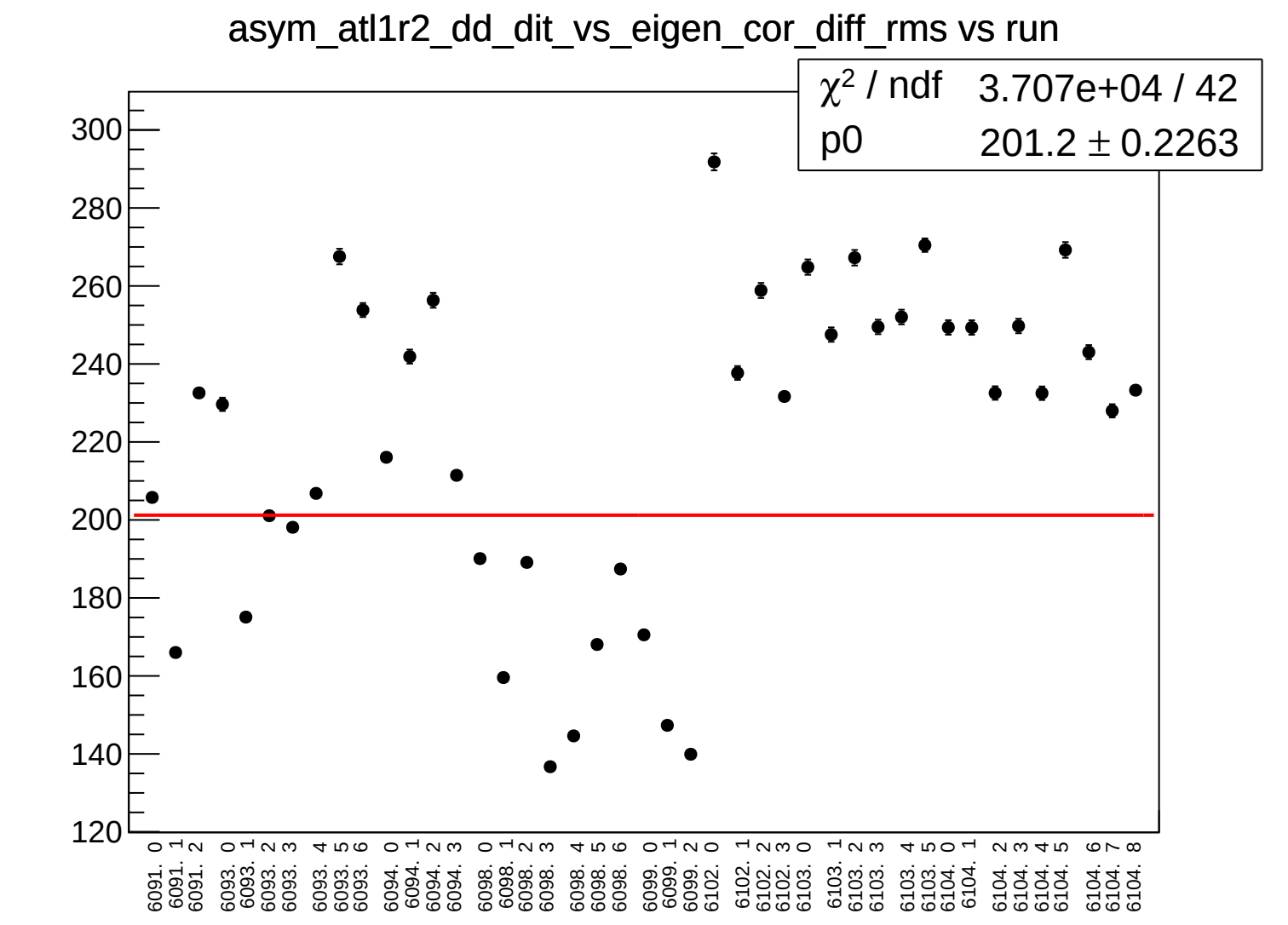

asym_atl1r2_dd_dit_vs_cor_diff_rms vs run
χ² / ndf 3.707e+04 / 42
p0 201.2 ± 0.2263
300
280
260
240
220
200
180
160
140
120
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

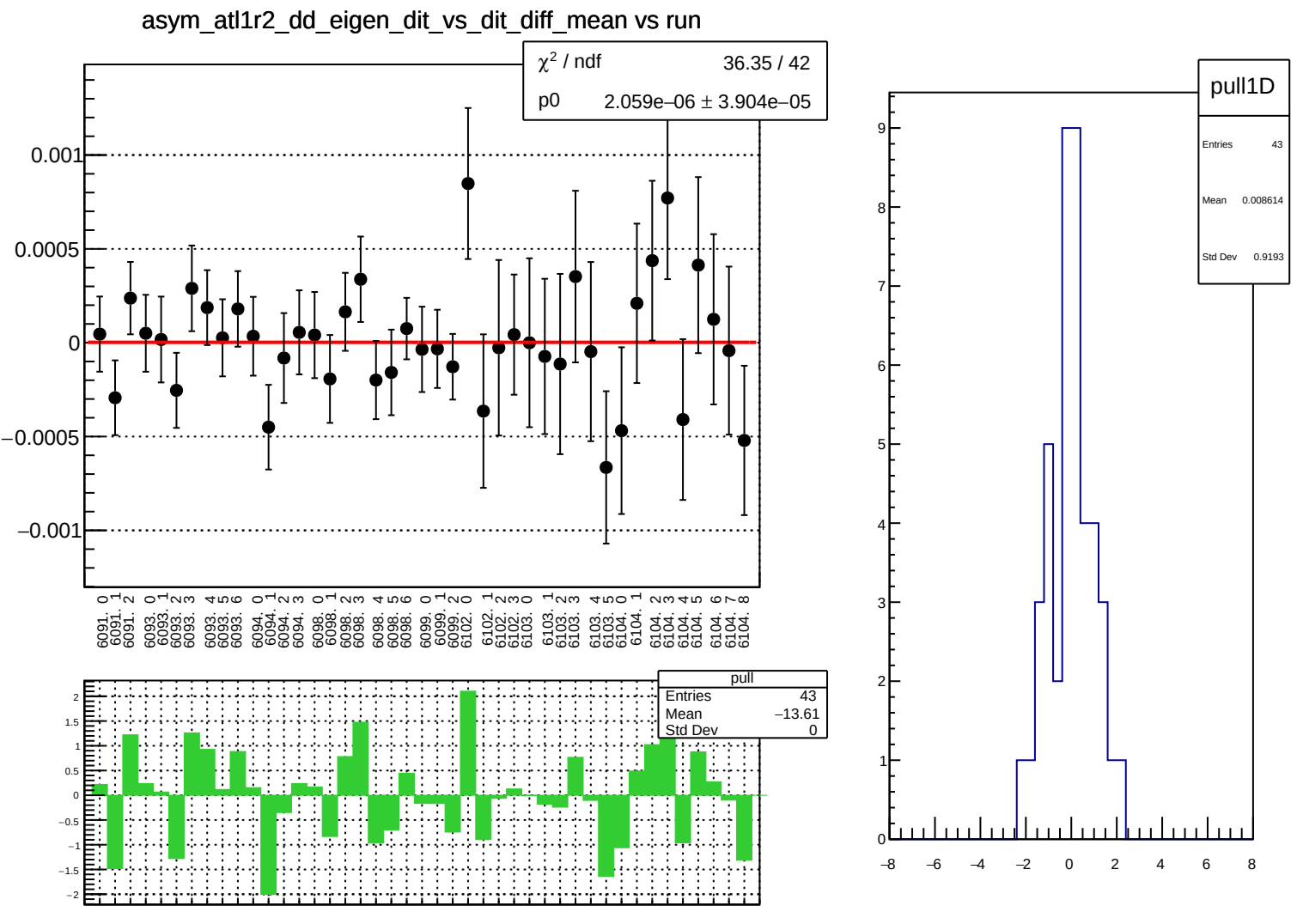
asym_atl1r2_dd_dit_vs_eigen_cor_diff_mean vs run

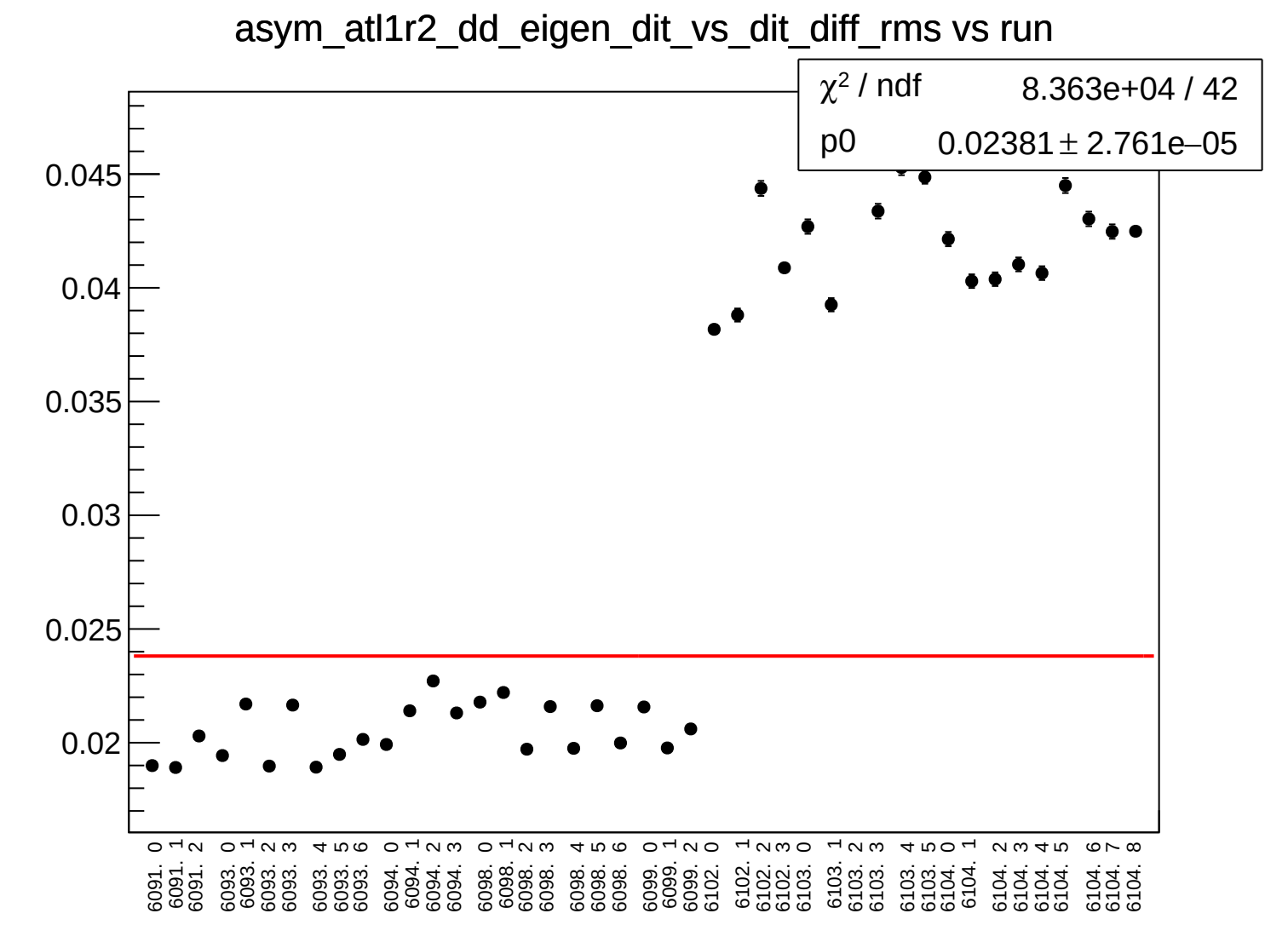


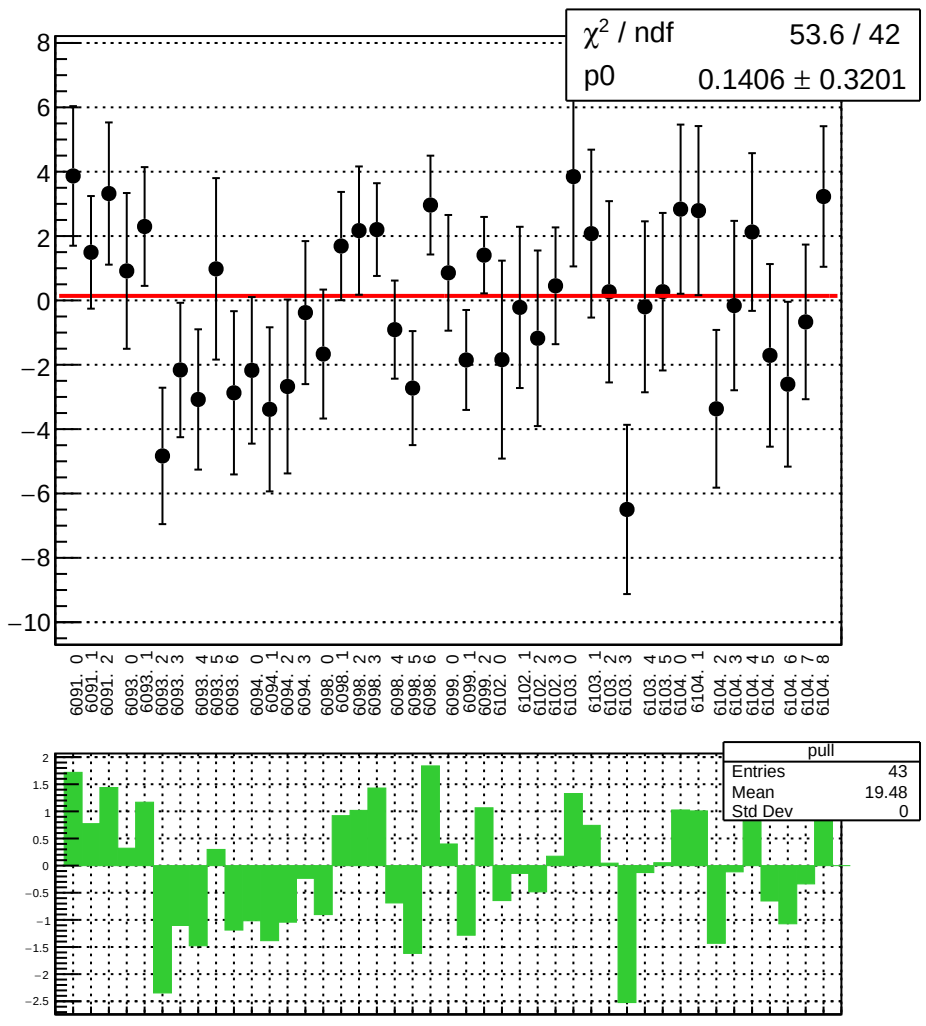


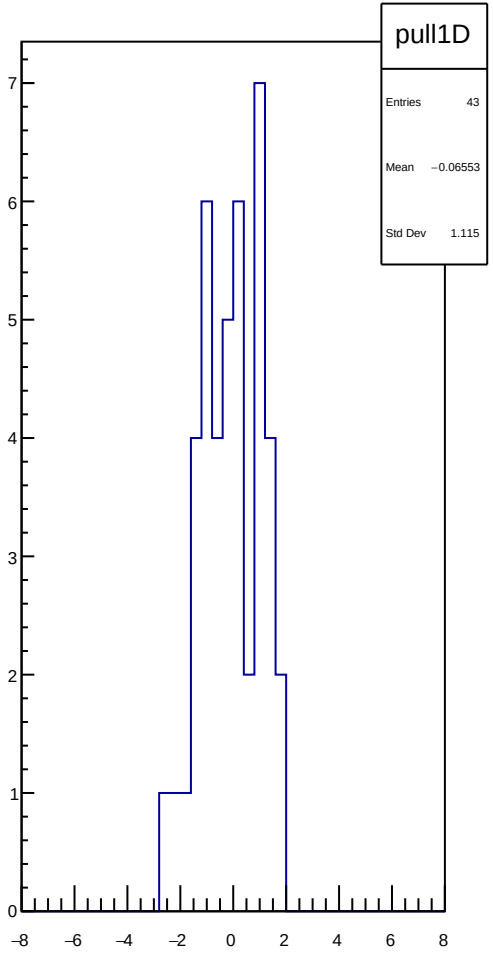


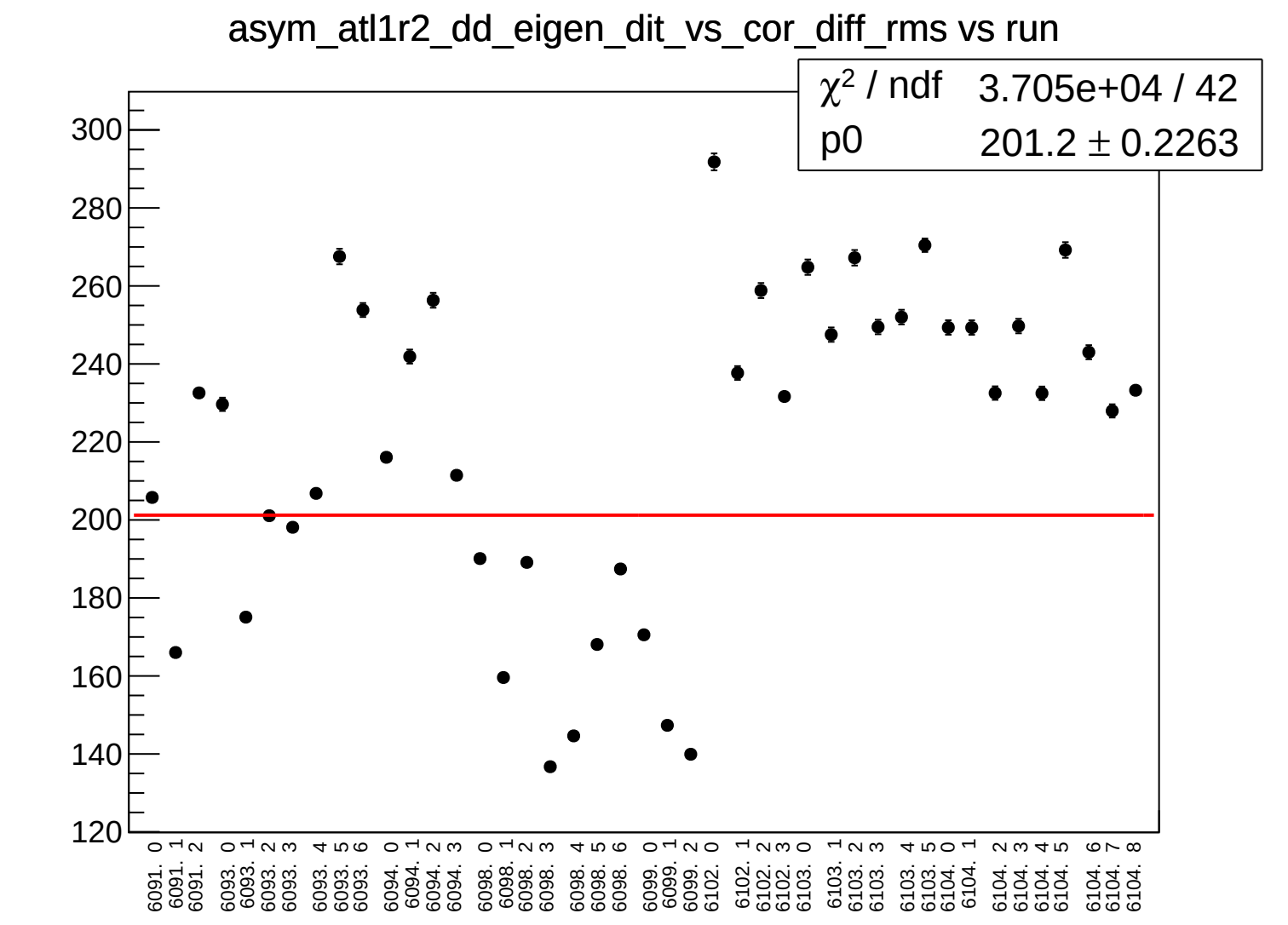

asym_atl1r2_dd_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 3.707e+04 / 42
p0 201.2 ± 0.2263
300
280
260
240
220
200
180
160
140
120
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

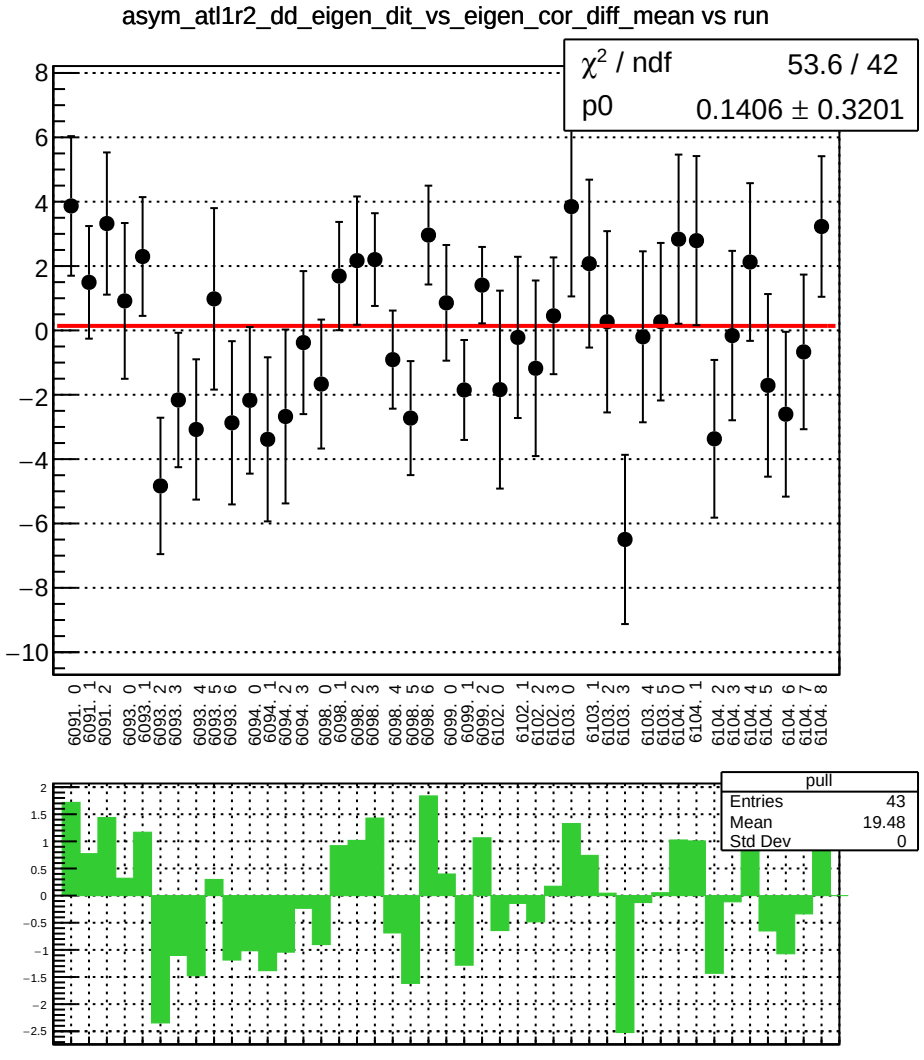

asym_atl1r2_dd_eigen_dit_vs_dit_diff_mean vs run
χ² / ndf 36.35 / 42
p0 2.059e−06 ± 3.904e−05
0.001
0.0005
0
−0.0005
−0.001
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean −13.61
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 43
Mean 0.008614
Std Dev 0.9193
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

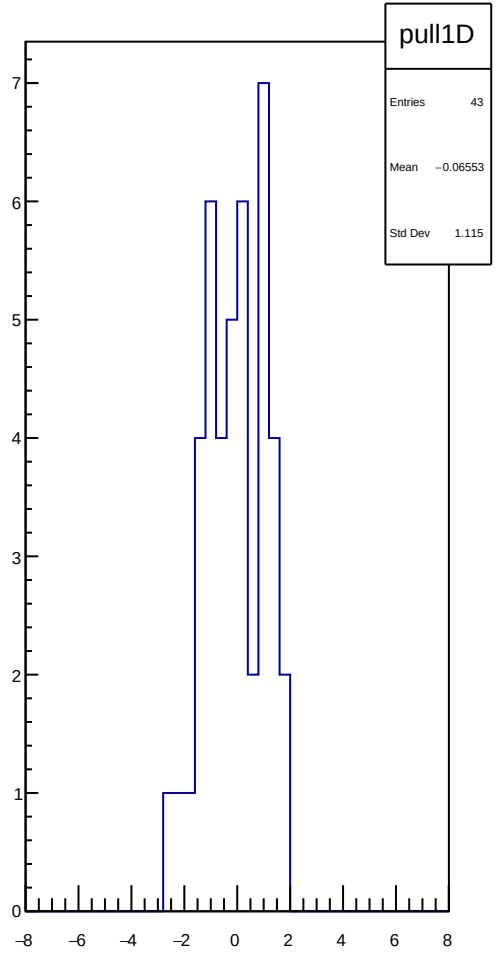

asym_atl1r2_dd_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 8.363e+04 / 42
p0 0.02381 ± 2.761e–05
0.045
0.04
0.035
0.03
0.025
0.02
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

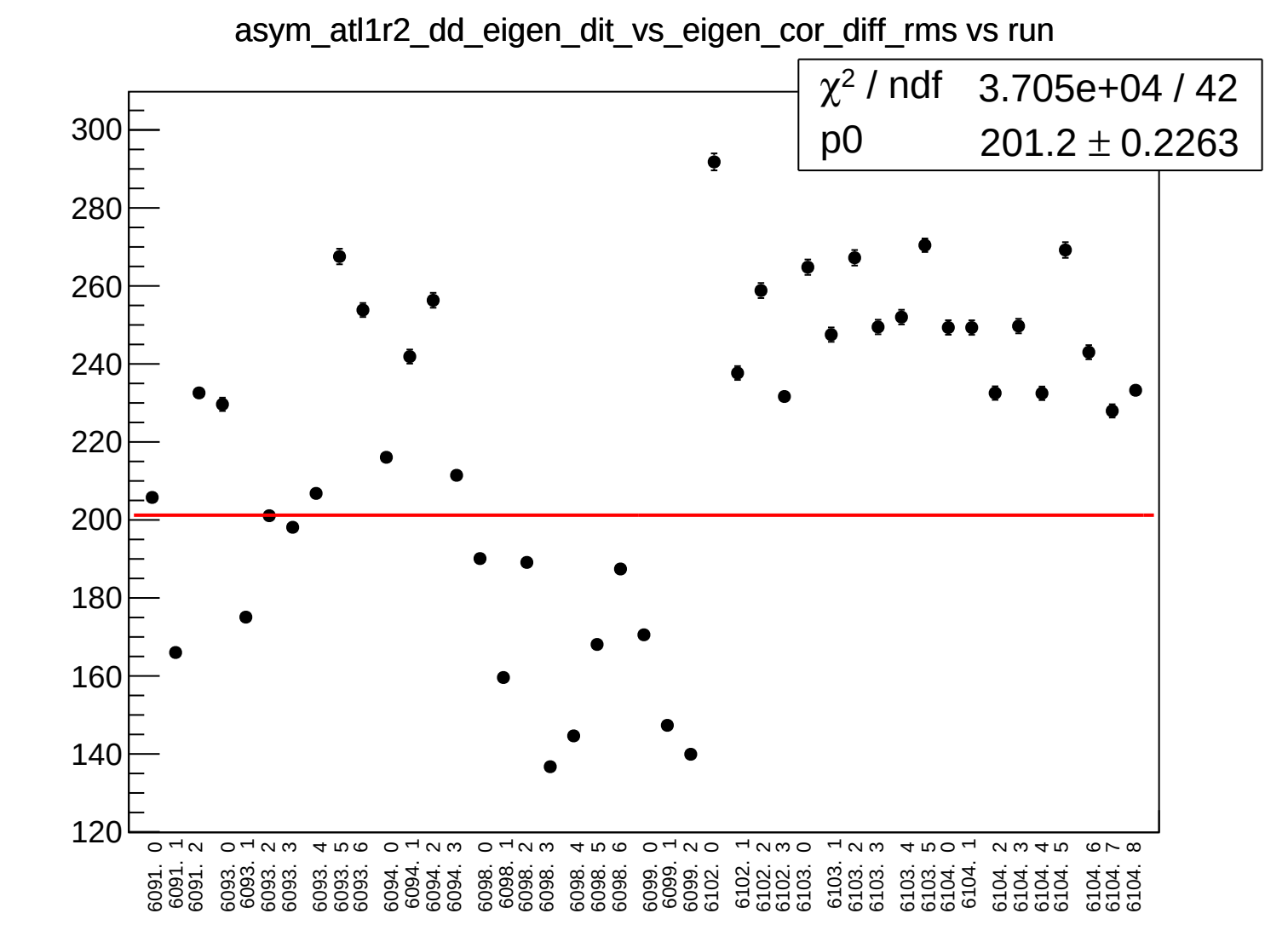

asym_atl1r2_dd_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 53.6 / 42
p0 0.1406 ± 0.3201
pull
Entries 43
Mean 19.48
Std Dev 0

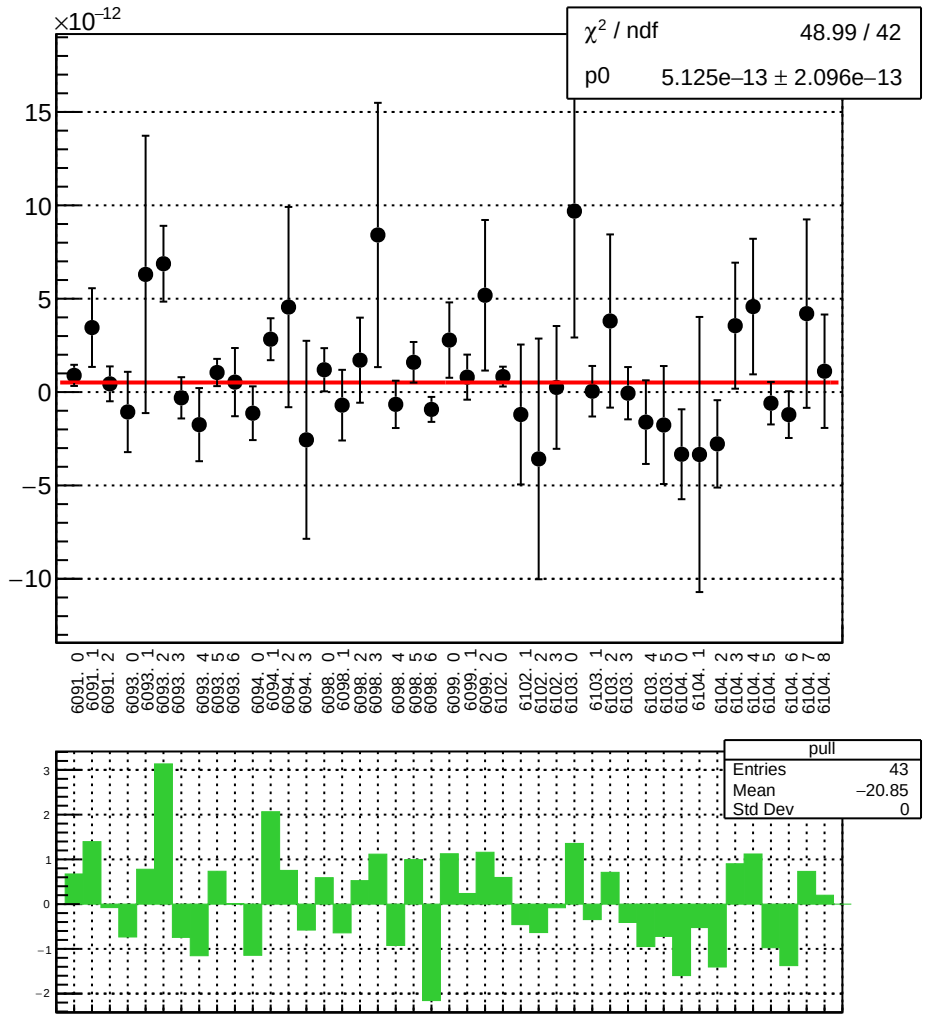

pull1D
Entries 43
Mean −0.06553
Std Dev 1.115

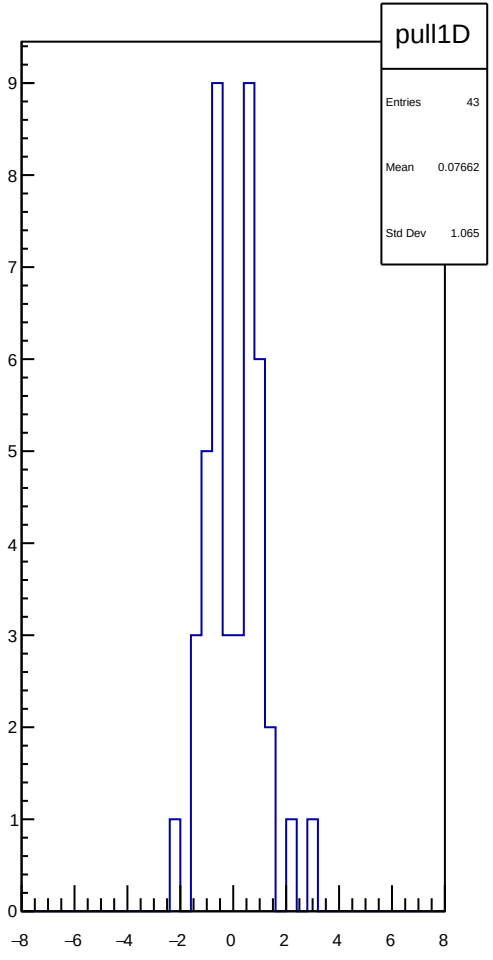

asym_atl1r2_dd_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 3.705e+04 / 42
p0 201.2 ± 0.2263
300
280
260
240
220
200
180
160
140
120
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

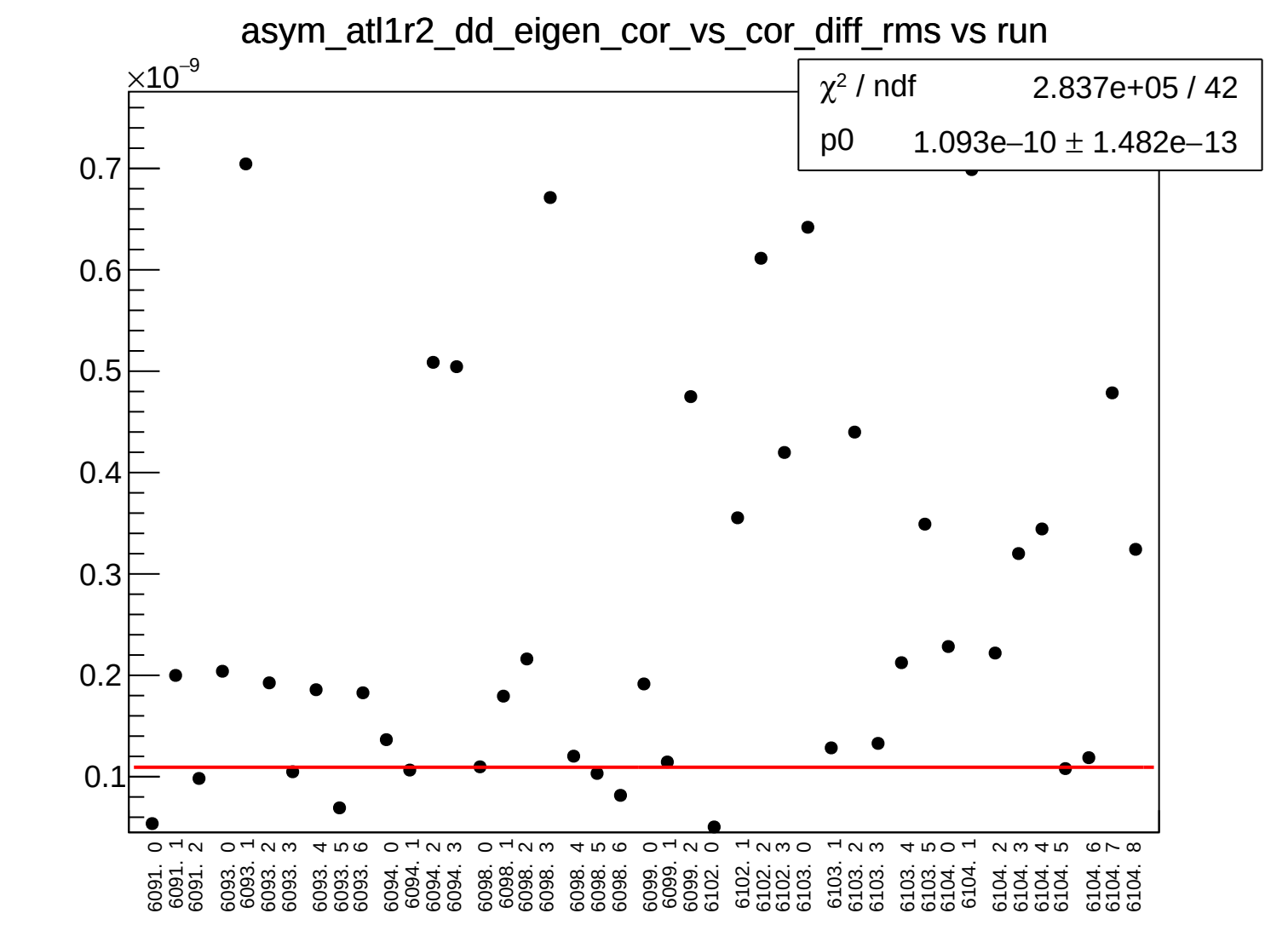

asym_atl1r2_dd_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 53.6 / 42
p0 0.1406 ± 0.3201
pull
Entries 43
Mean 19.48
Std Dev 0

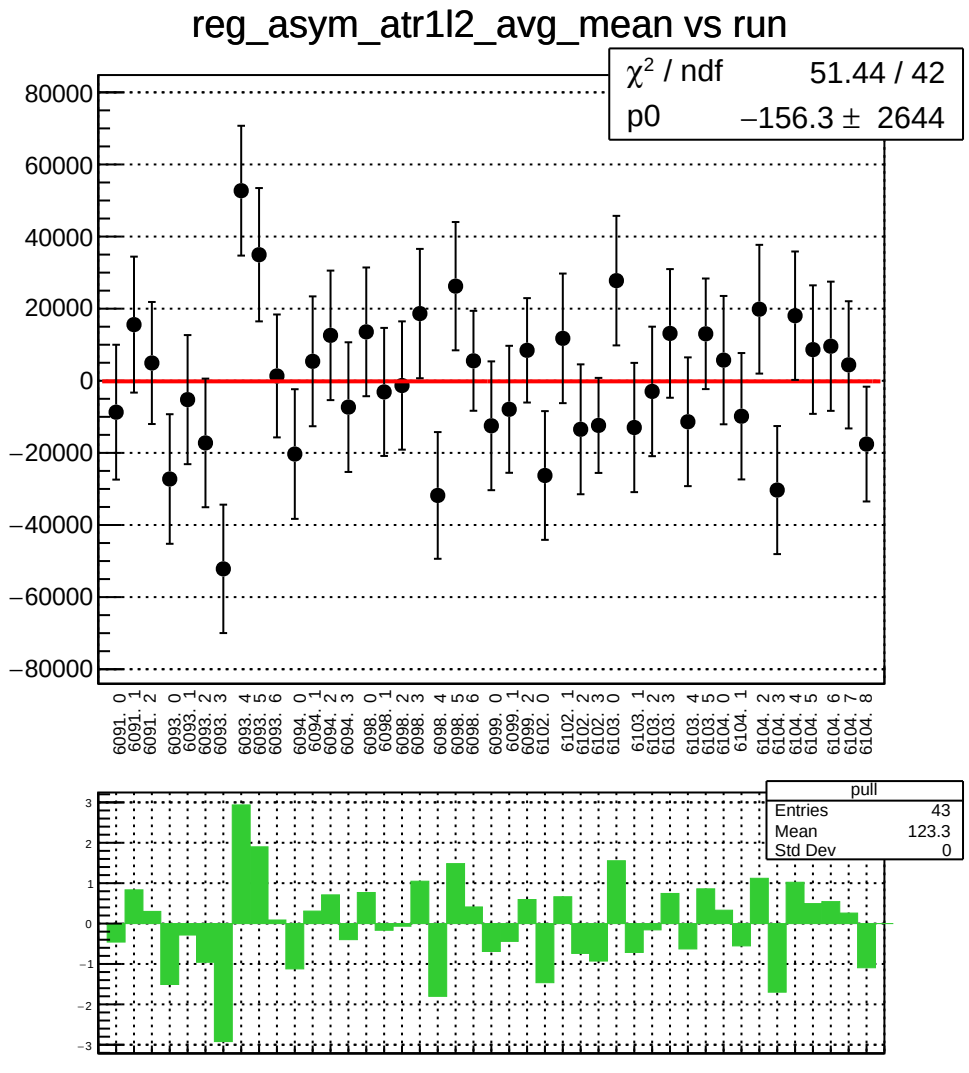

pull1D
Entries 43
Mean −0.06553
Std Dev 1.115

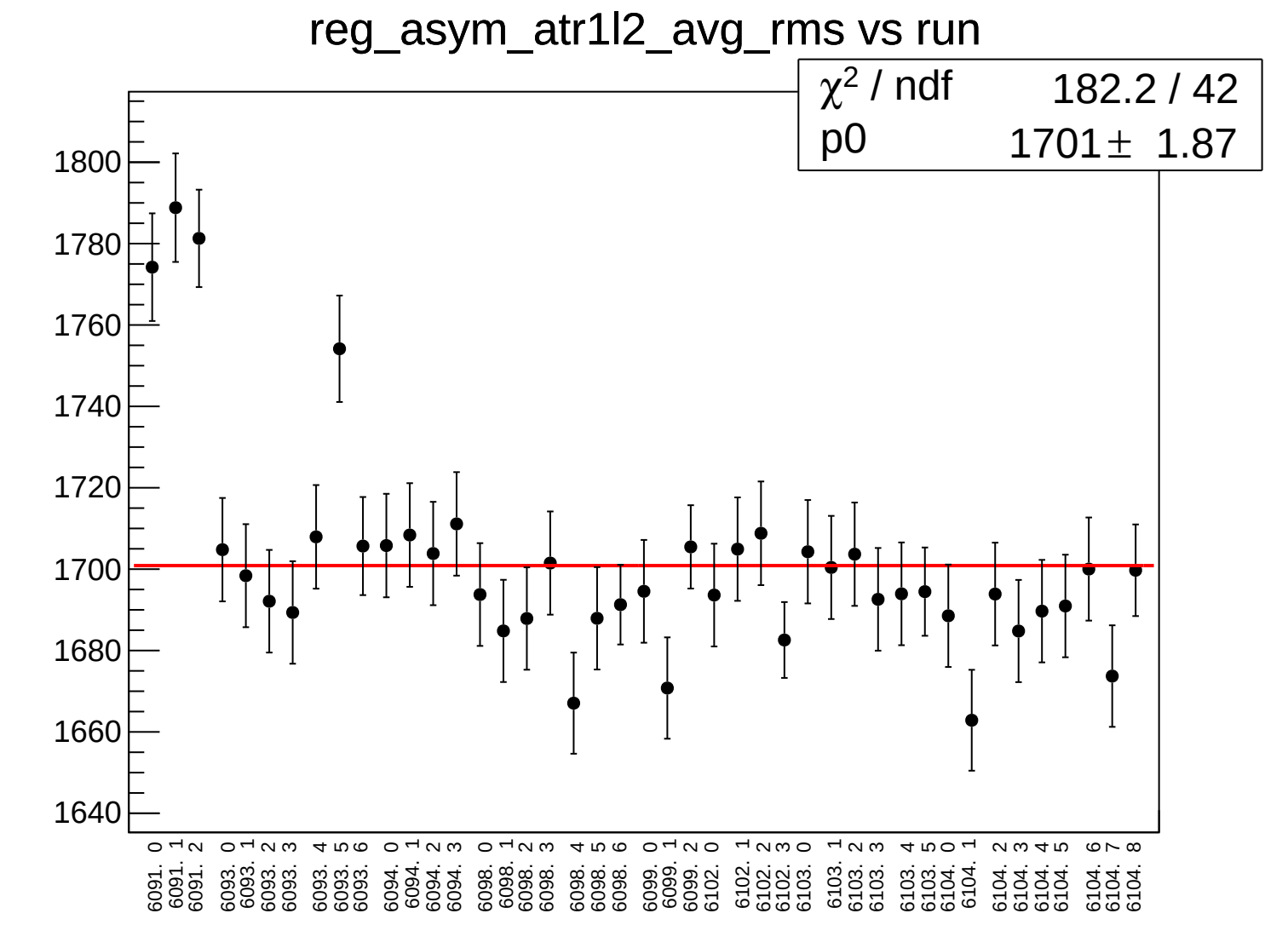

asym_atl1r2_dd_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 3.705e+04 / 42
p0 201.2 ± 0.2263
300
280
260
240
220
200
180
160
140
120
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

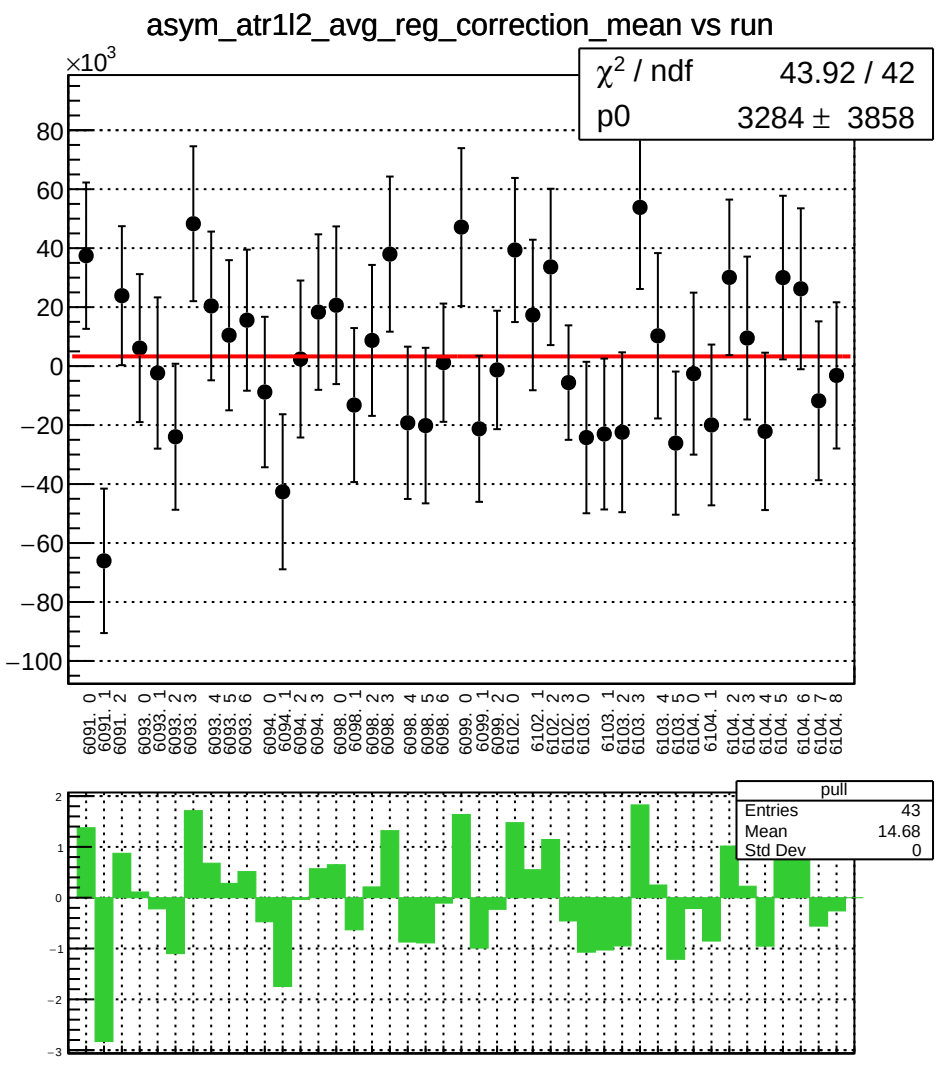

asym_atl1r2_dd_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 48.99 / 42
p0 5.125e−13 ± 2.096e−13
15
10
5
0
−5
−10
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean −20.85
Std Dev 0
3
2
1
0
−1
−2

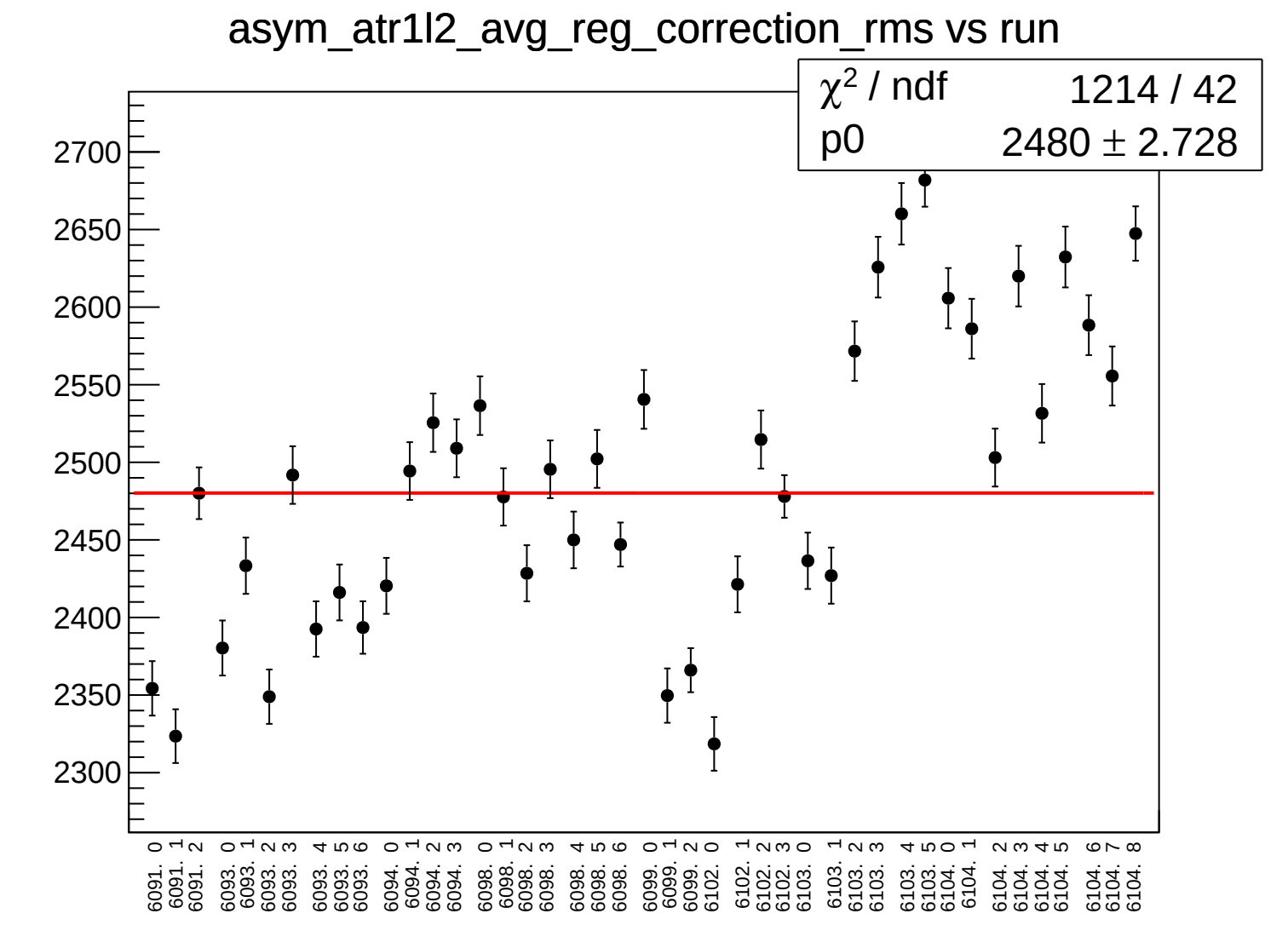

pull1D
Entries 43
Mean 0.07662
Std Dev 1.065
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

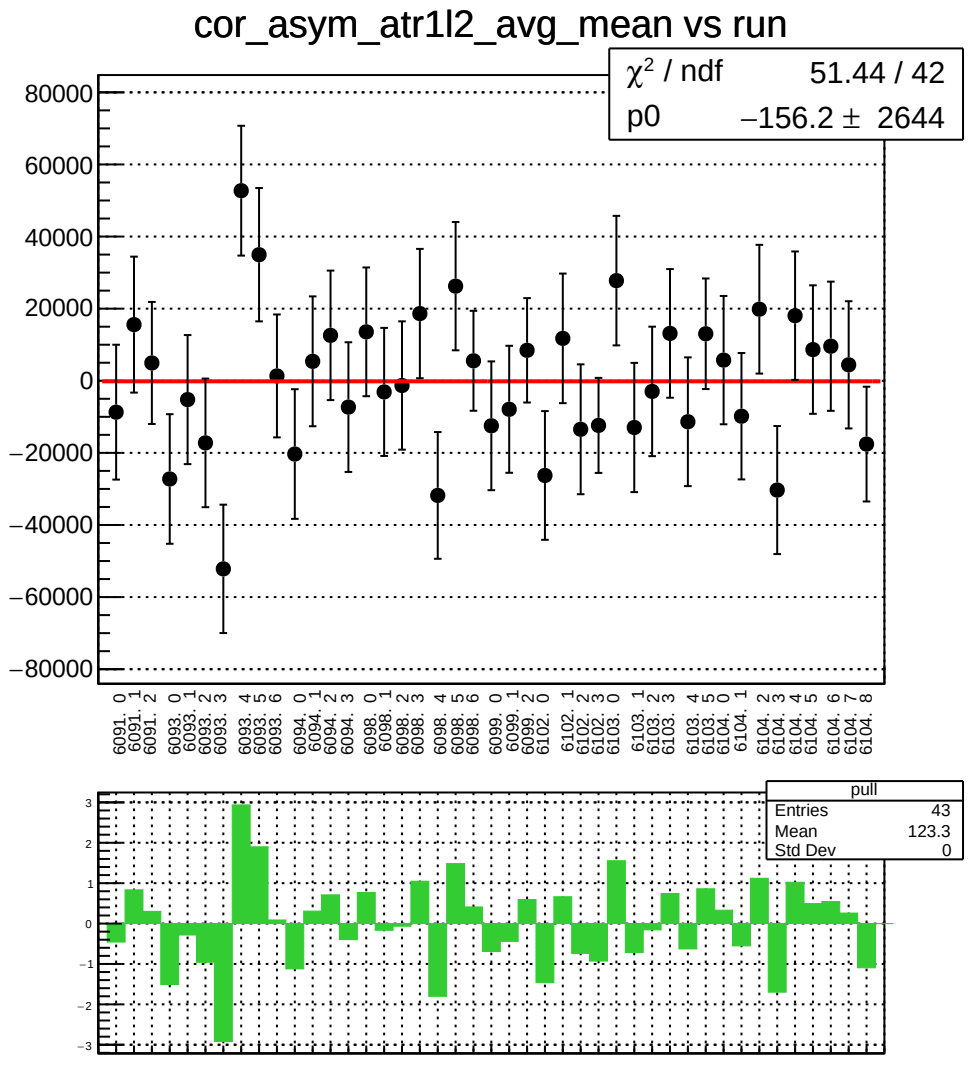

asym_atl1r2_dd_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 2.837e+05 / 42
p0 1.093e−10 ± 1.482e−13
0.7
0.6
0.5
0.4
0.3
0.2
0.1
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

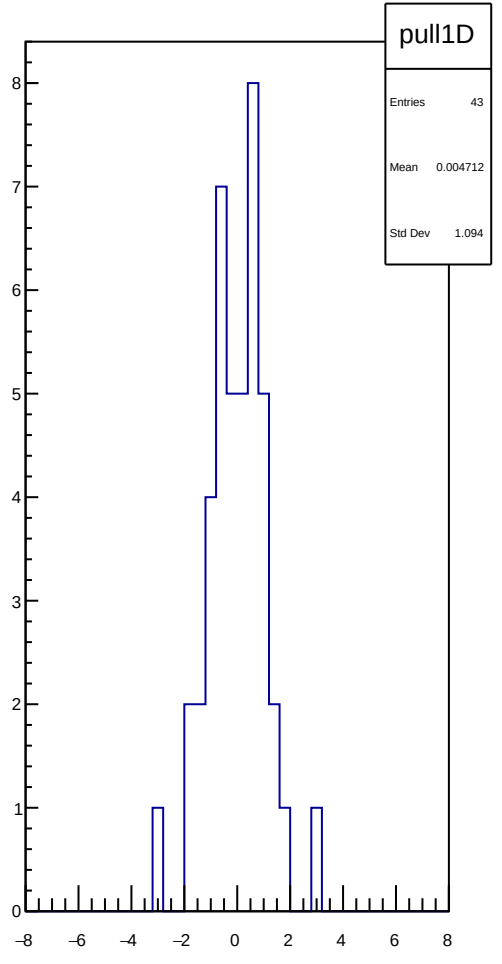

reg_asym_atr1l2_avg_mean vs run
χ² / ndf 51.44 / 42
p0 −156.3 ± 2644
80000
60000
40000
20000
0
−20000
−40000
−60000
−80000
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 123.3
Std Dev 0
3
2
1
0
−1
−2
−3
pull1D
Entries 43
Mean 0.004714
Std Dev 1.094
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

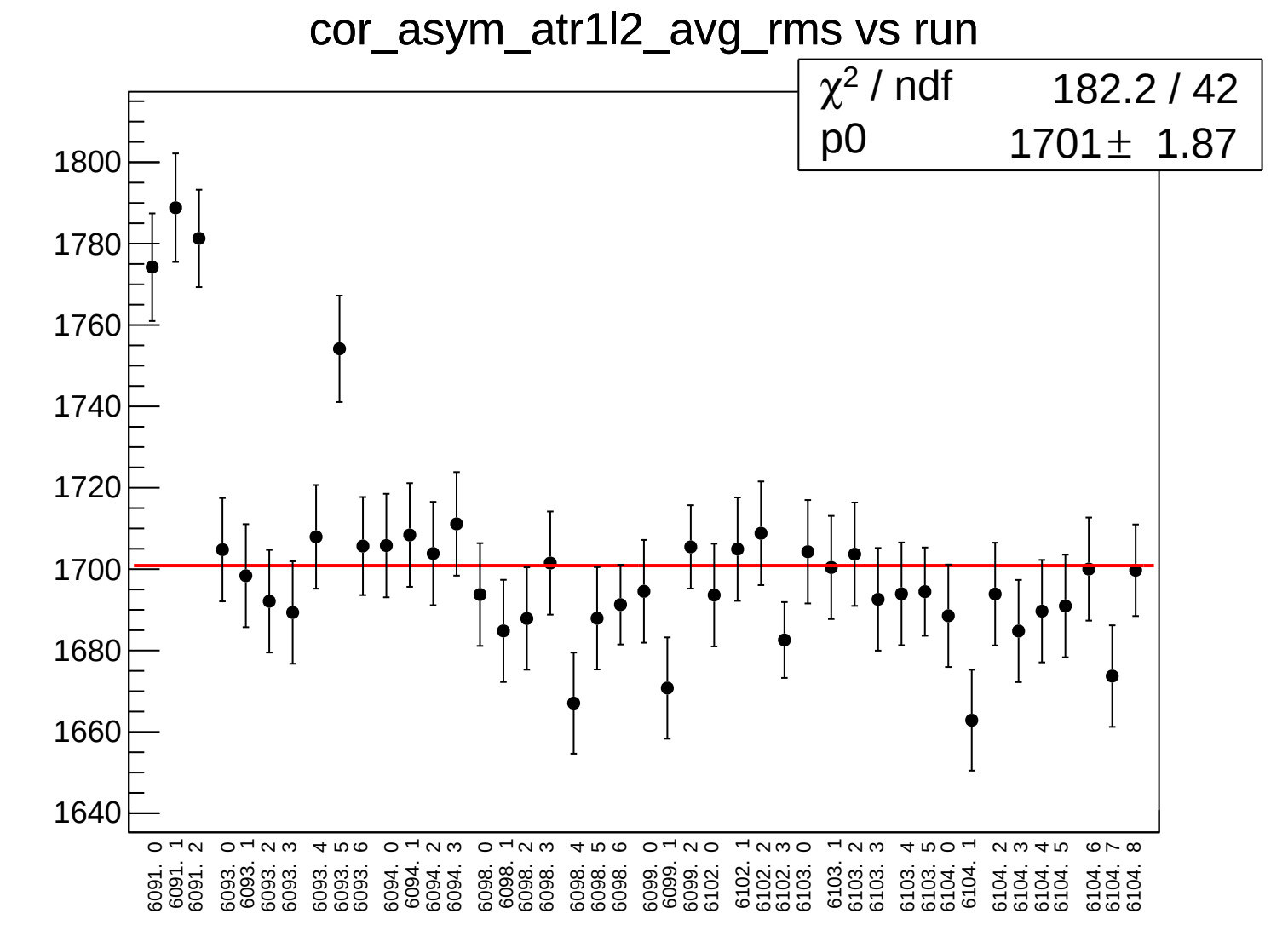

reg_asym_atr1l2_avg_rms vs run
χ² / ndf 182.2 / 42
p0 1701 ± 1.87
1800
1780
1760
1740
1720
1700
1680
1660
1640
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

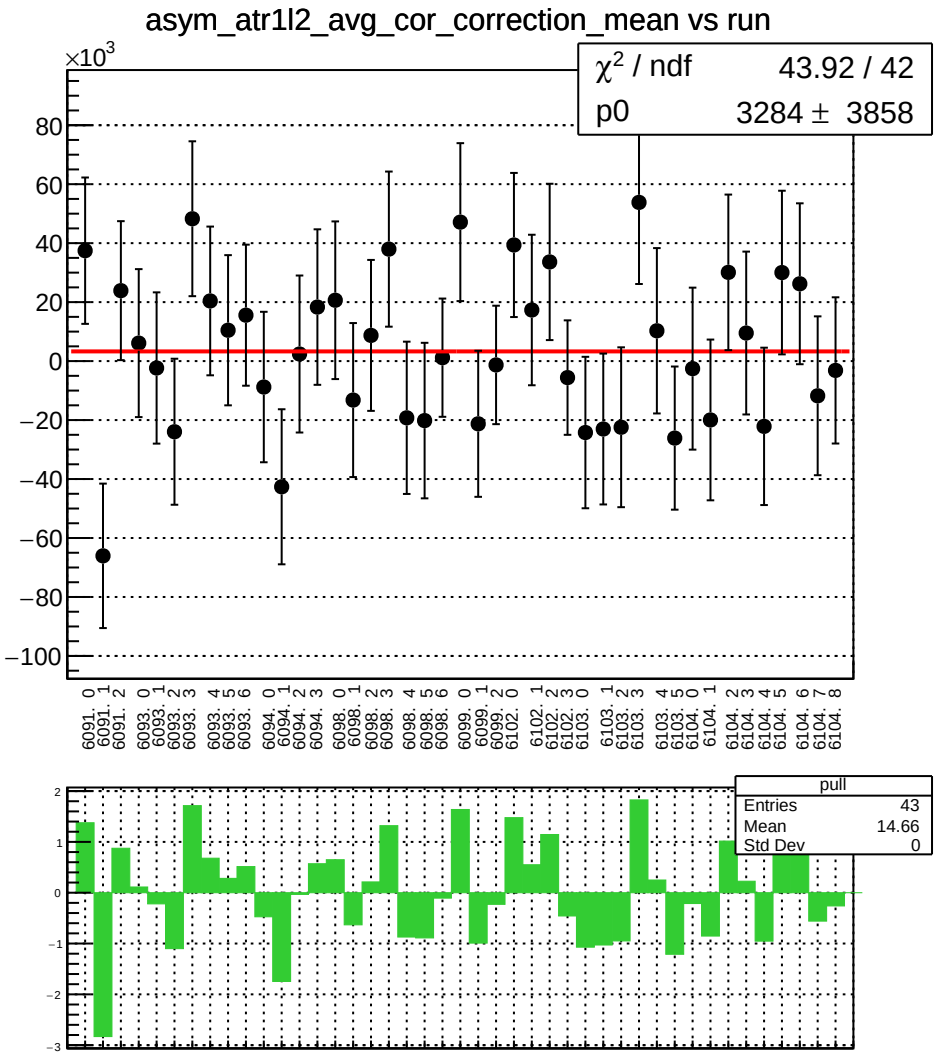

asym_atr1l2_avg_reg_correction_mean vs run
×10^3
χ² / ndf 43.92 / 42
p0 3284 ± 3858
80
60
40
20
0
−20
−40
−60
−80
−100
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 14.68
Std Dev 0
2
1
0
−1
−2
−3
pull1D
Entries 43
Mean 0.01293
Std Dev 1.011
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

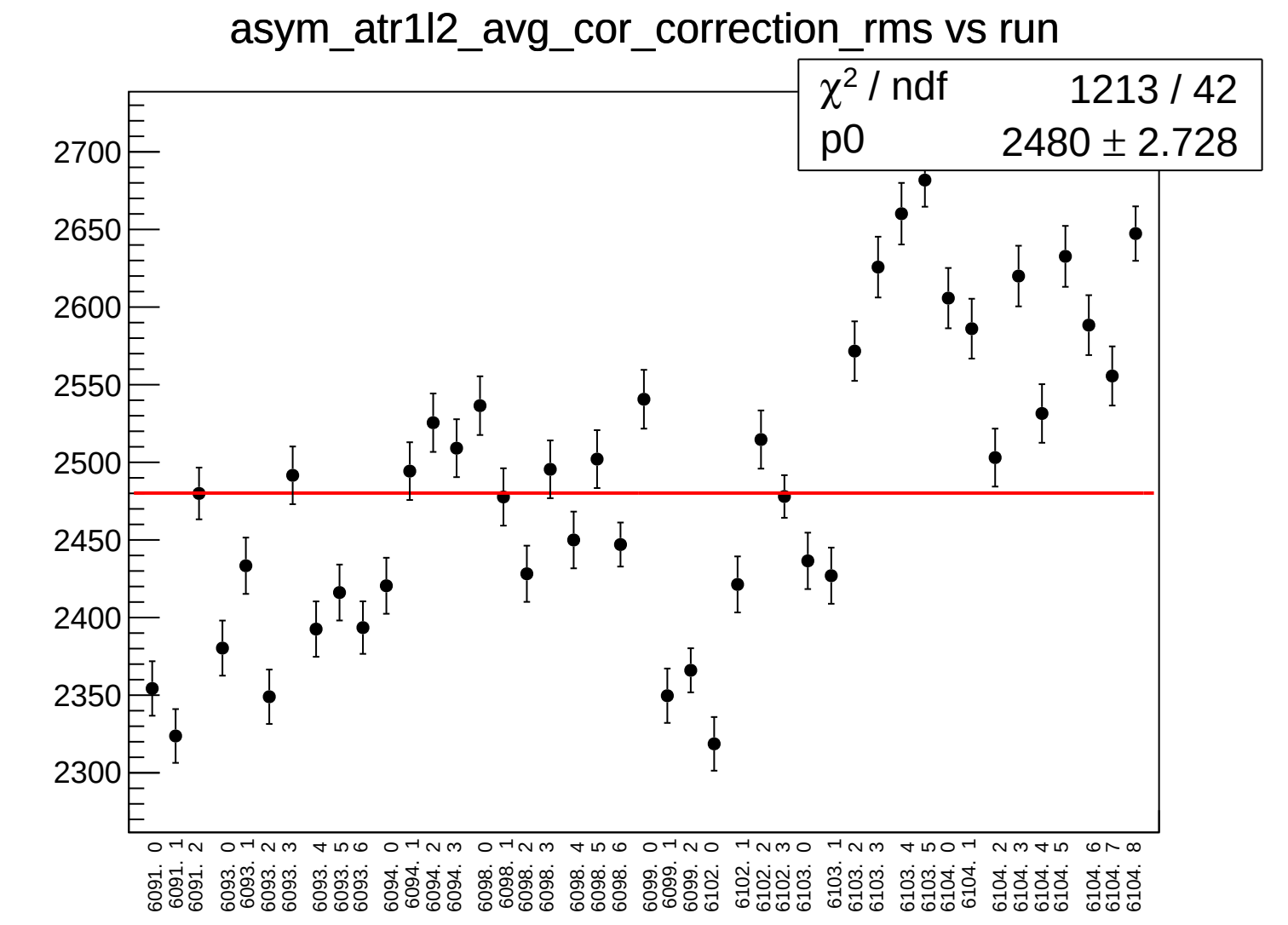

asym_atr1l2_avg_reg_correction_rms vs run
χ² / ndf 1214 / 42
p0 2480 ± 2.728
2700
2650
2600
2550
2500
2450
2400
2350
2300
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

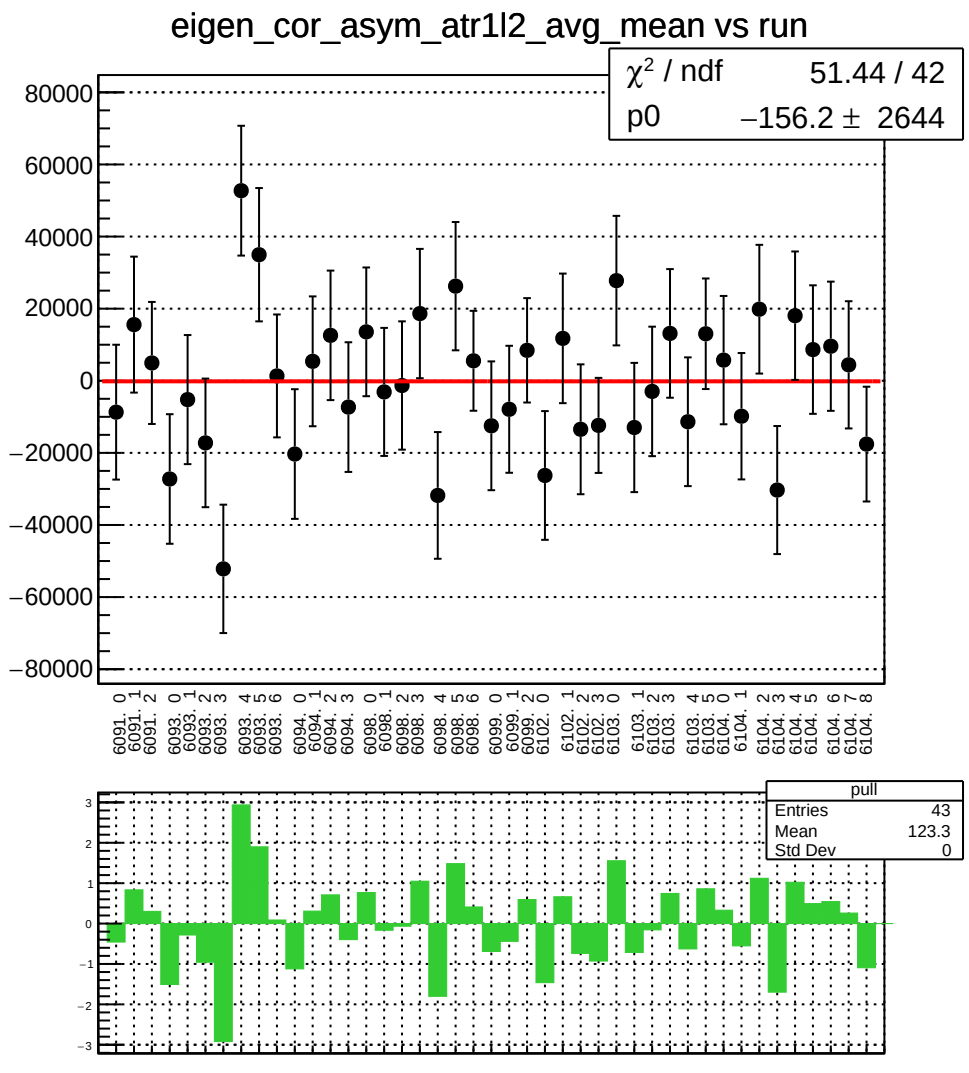

cor_asym_atr1l2_avg_mean vs run
χ² / ndf 51.44 / 42
p0 −156.2 ± 2644
80000
60000
40000
20000
0
−20000
−40000
−60000
−80000
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 123.3
Std Dev 0
3
2
1
0
−1
−2
−3

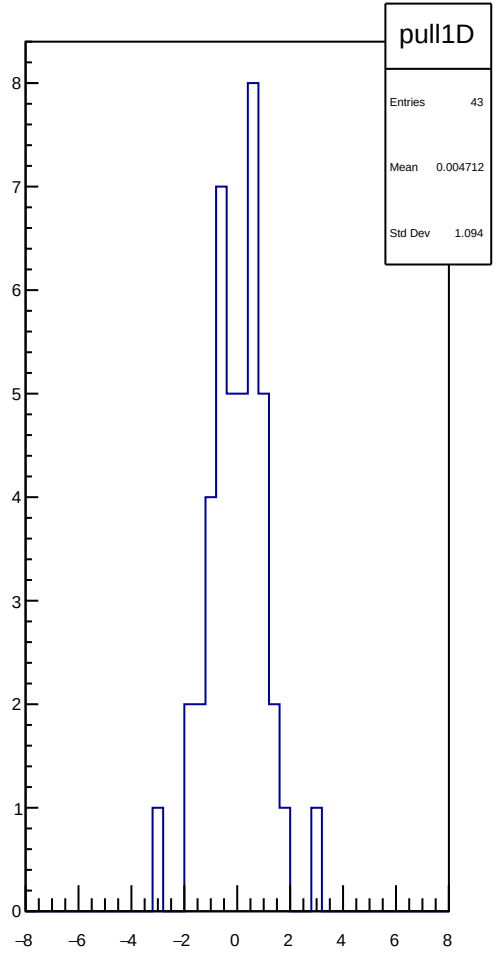

pull1D
Entries 43
Mean 0.004712
Std Dev 1.094
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

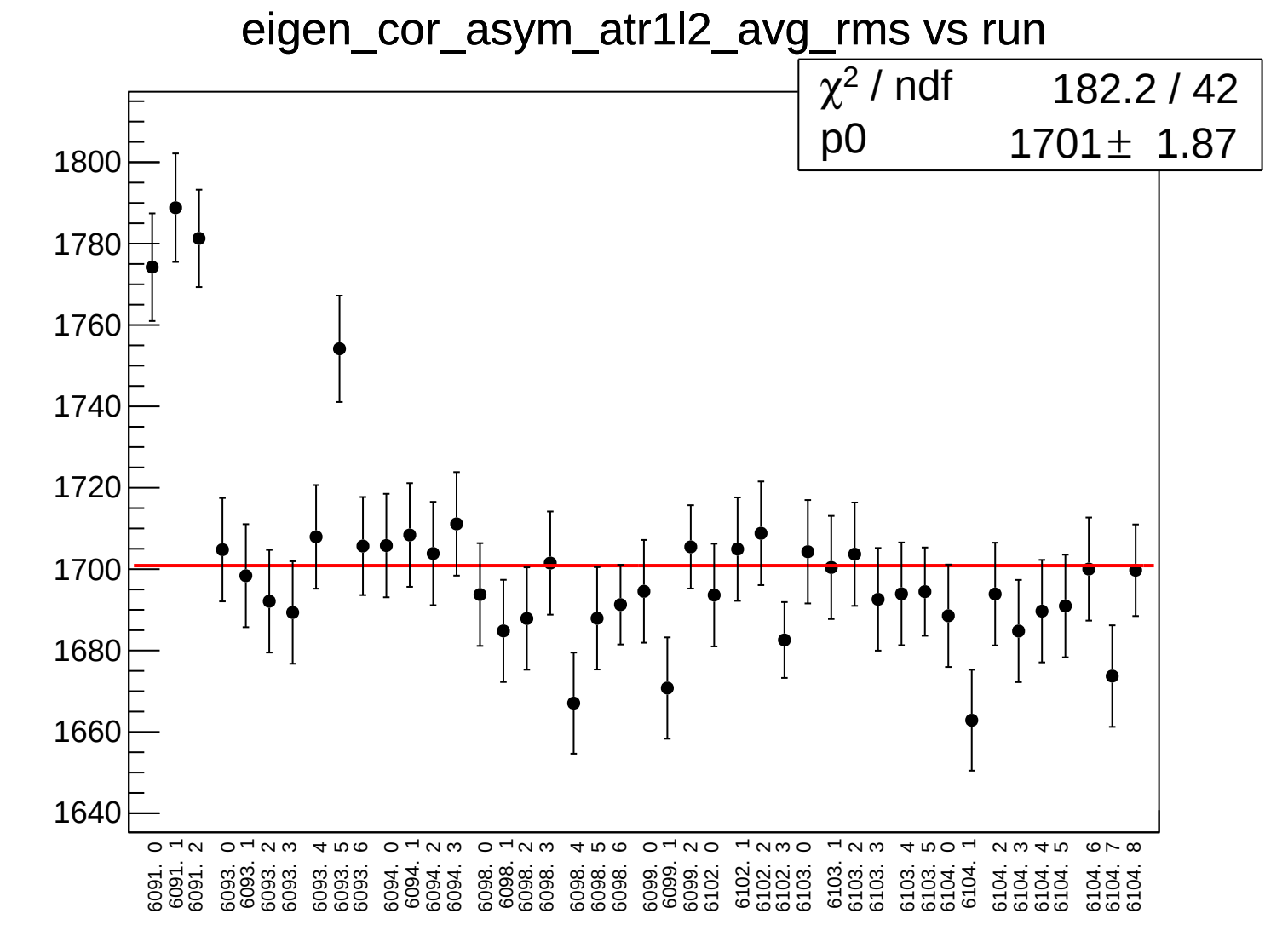

cor_asym_atr1l2_avg_rms vs run
χ² / ndf 182.2 / 42
p0 1701 ± 1.87
1800
1780
1760
1740
1720
1700
1680
1660
1640
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

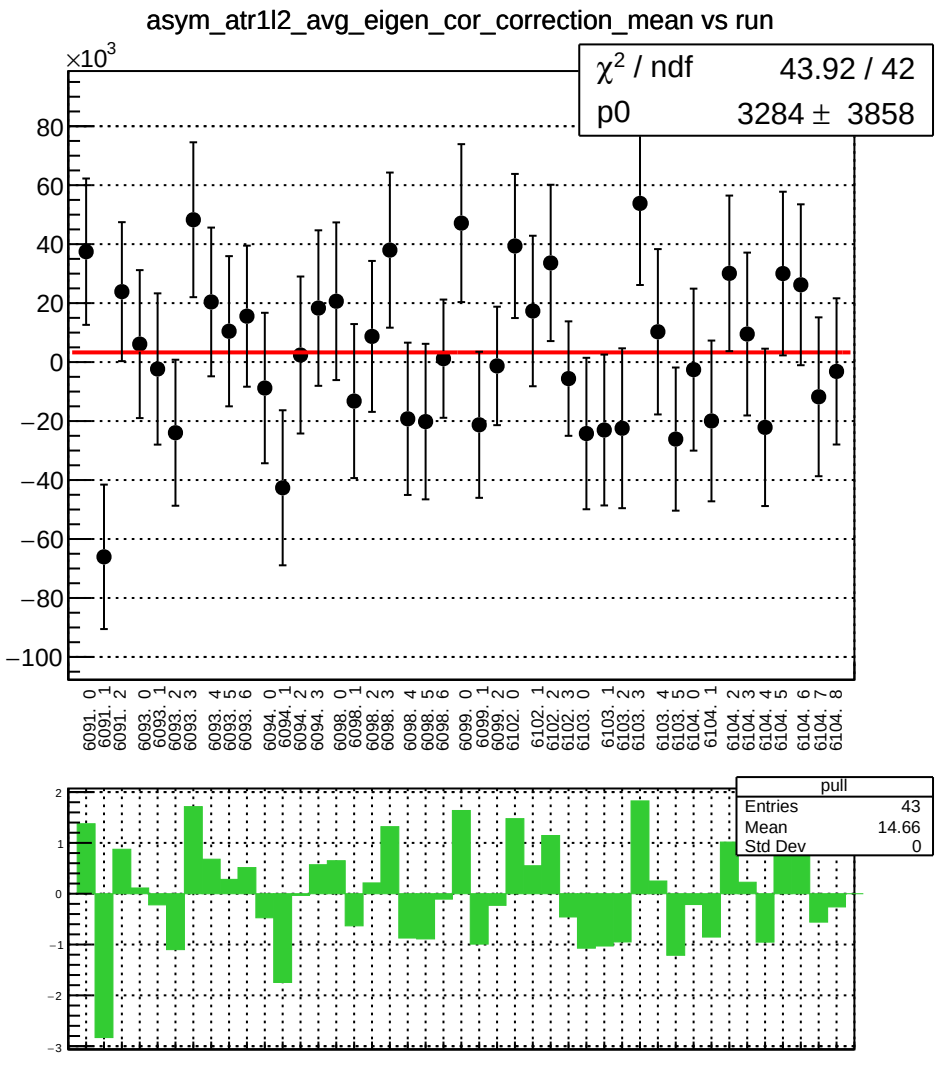

asym_atr1l2_avg_cor_correction_mean vs run
×10^3
χ² / ndf 43.92 / 42
p0 3284 ± 3858
80
60
40
20
0
−20
−40
−60
−80
−100
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 14.66
Std Dev 0
2
1
0
−1
−2
−3
pull1D
Entries 43
Mean 0.01293
Std Dev 1.011
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

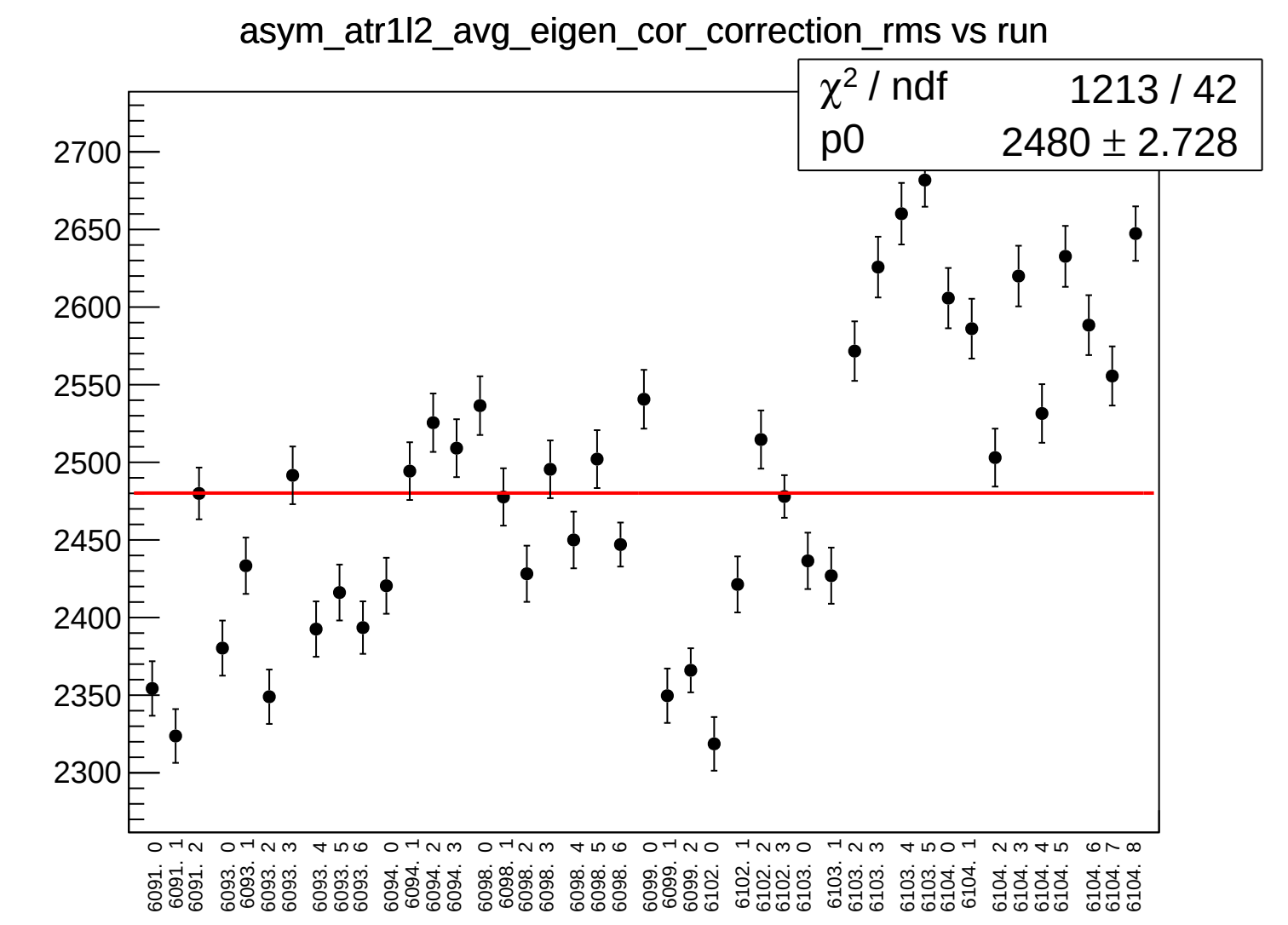

asym_atr1l2_avg_cor_correction_rms vs run
χ² / ndf 1213 / 42
p0 2480 ± 2.728
2700
2650
2600
2550
2500
2450
2400
2350
2300
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

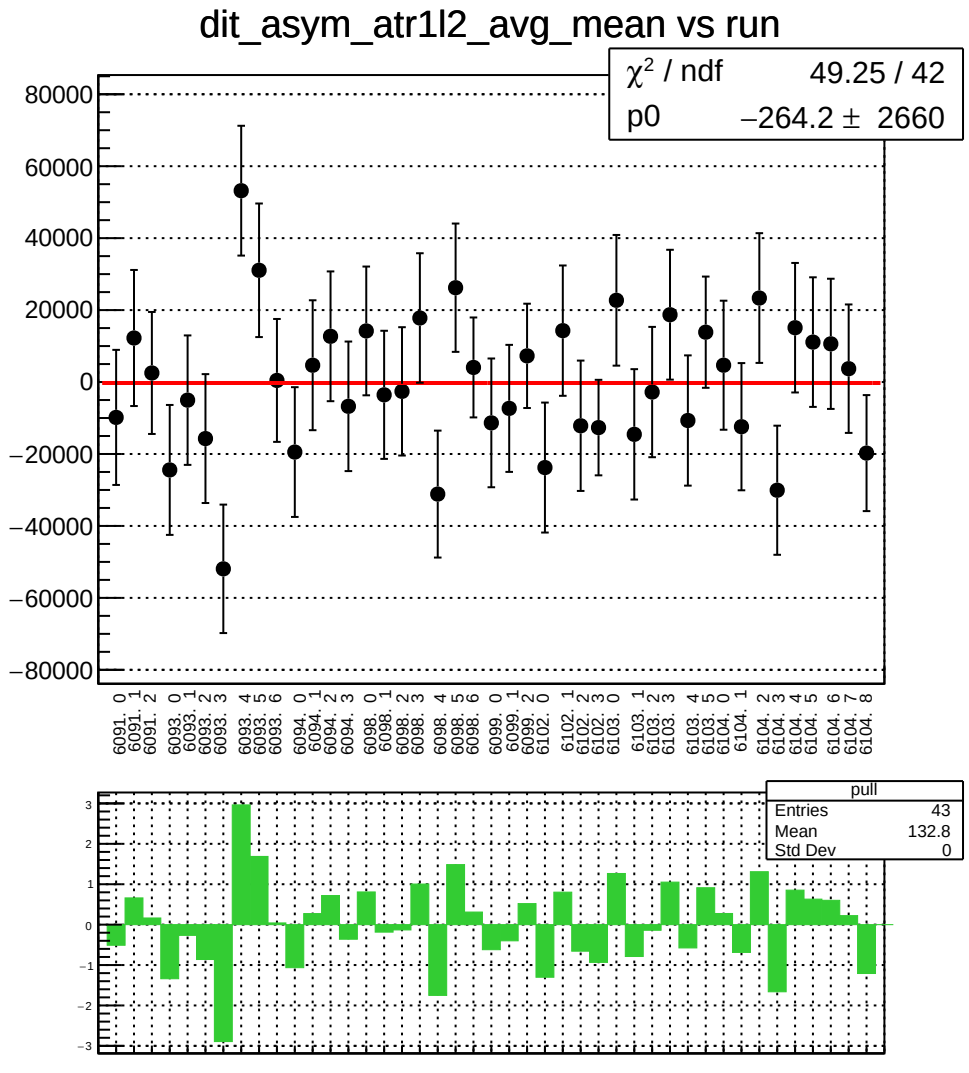

eigen_cor_asym_atr1l2_avg_mean vs run
χ² / ndf 51.44 / 42
p0 −156.2 ± 2644
80000
60000
40000
20000
0
−20000
−40000
−60000
−80000
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 123.3
Std Dev 0
3
2
1
0
−1
−2
−3

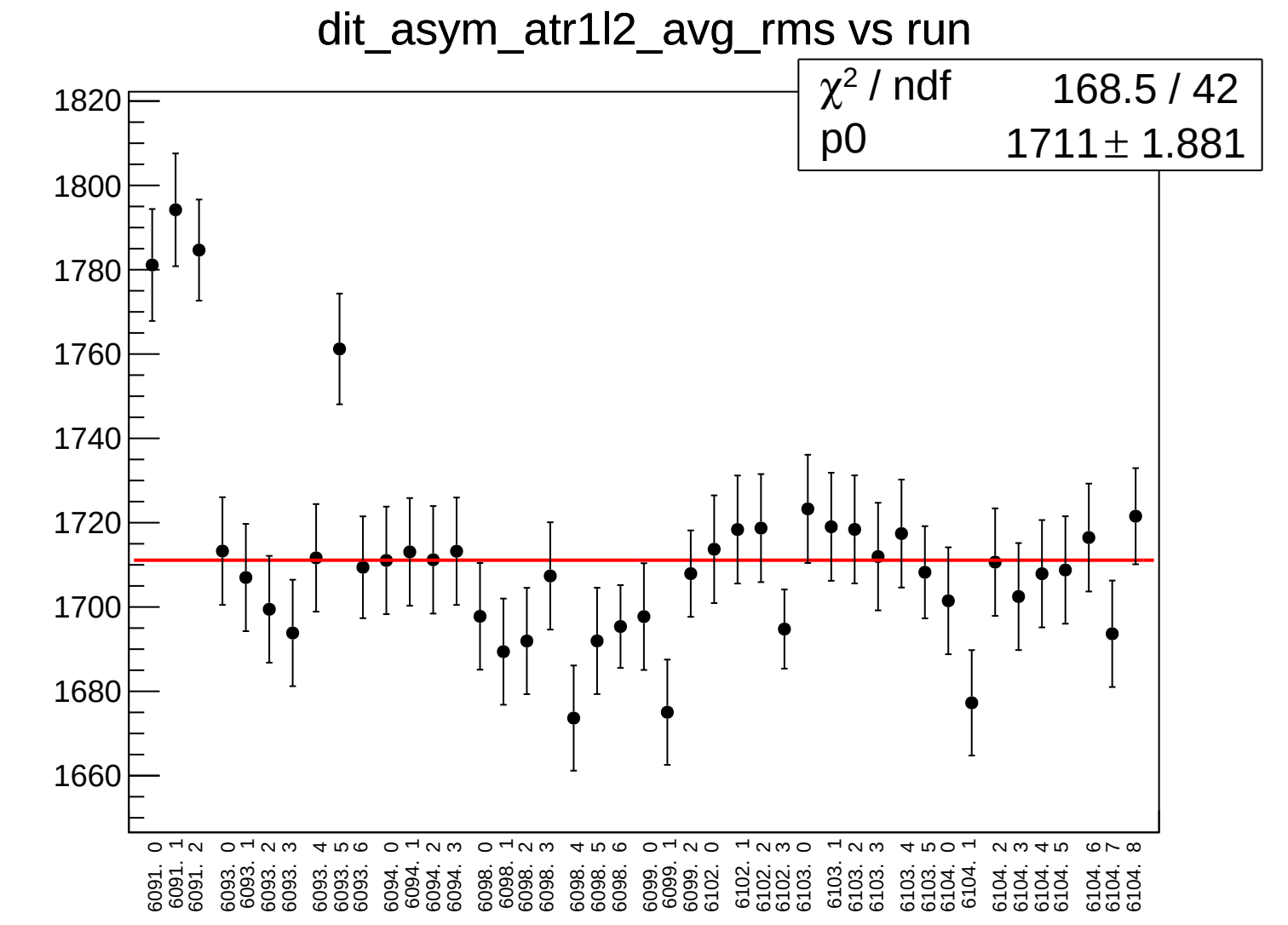

pull1D
Entries 43
Mean 0.004712
Std Dev 1.094
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

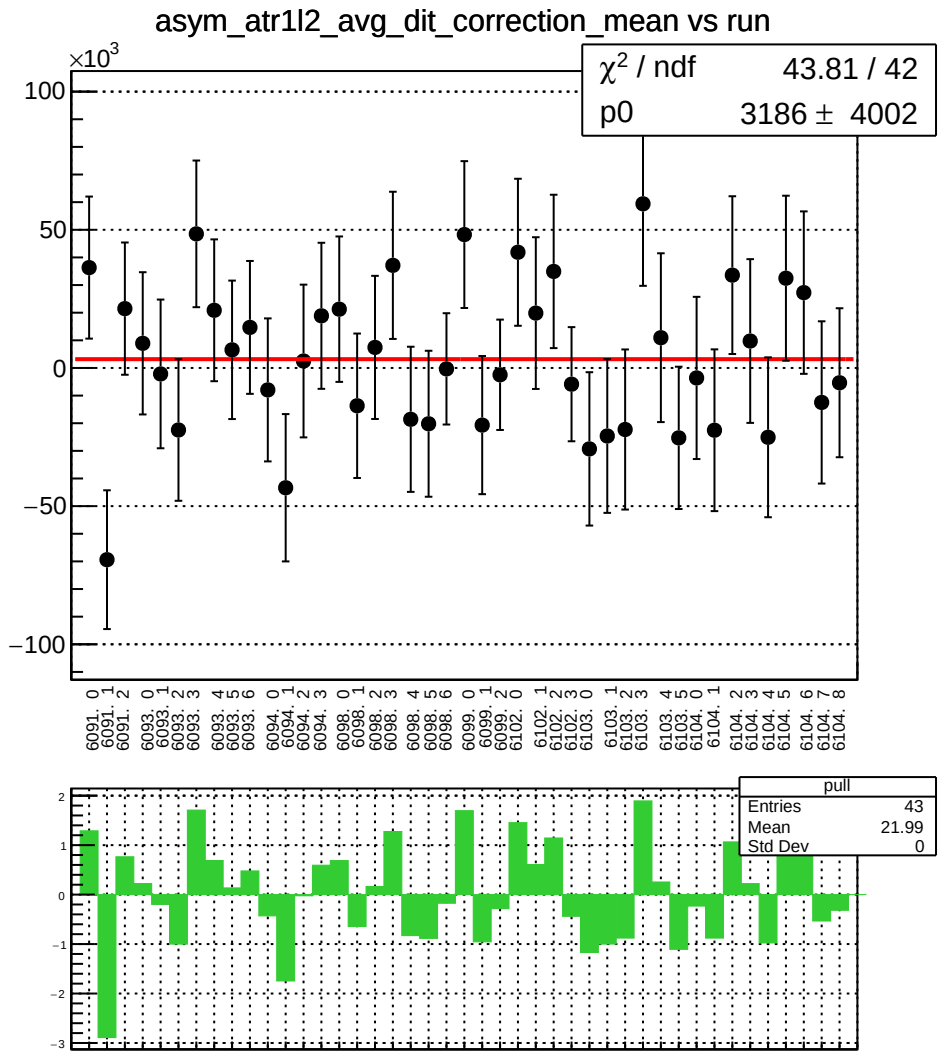

eigen_cor_asym_atr1l2_avg_rms vs run
χ² / ndf 182.2 / 42
p0 1701 ± 1.87
1800
1780
1760
1740
1720
1700
1680
1660
1640
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

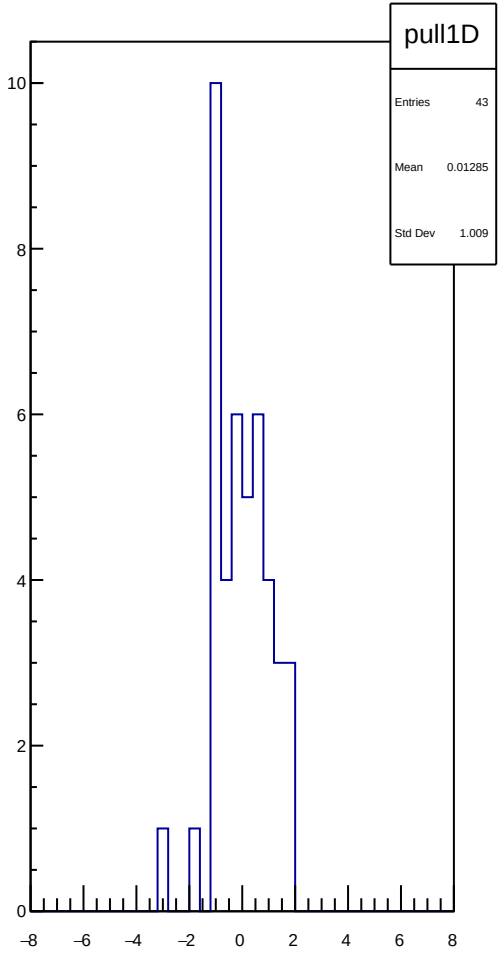

asym_atr1l2_avg_eigen_cor_correction_mean vs run
×10^3
χ² / ndf 43.92 / 42
p0 3284 ± 3858
pull
Entries 43
Mean 14.66
Std Dev 0
pull1D
Entries 43
Mean 0.01293
Std Dev 1.011

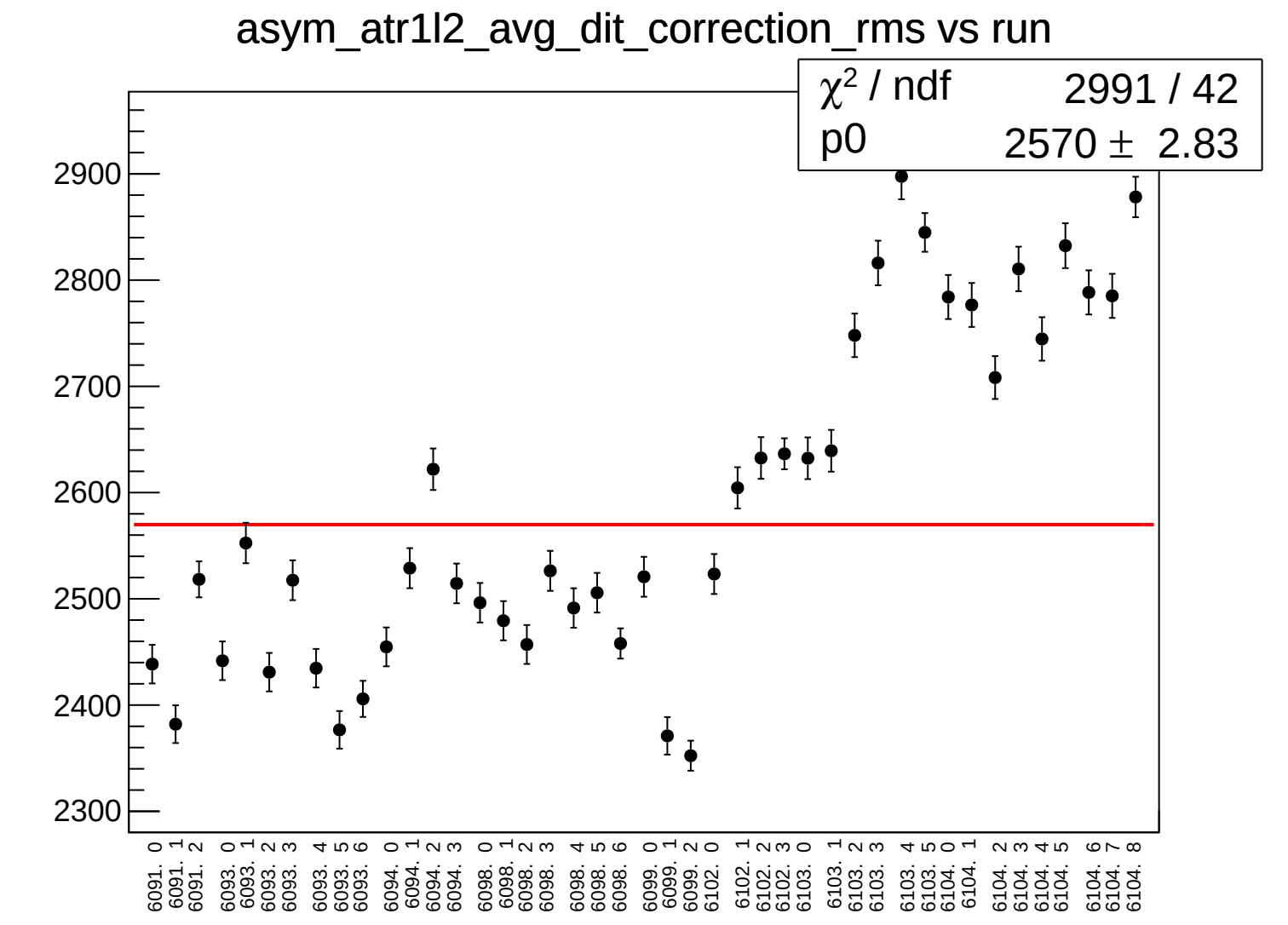

asym_atr1l2_avg_eigen_cor_correction_rms vs run
χ² / ndf 1213 / 42
p0 2480 ± 2.728
2700
2650
2600
2550
2500
2450
2400
2350
2300
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

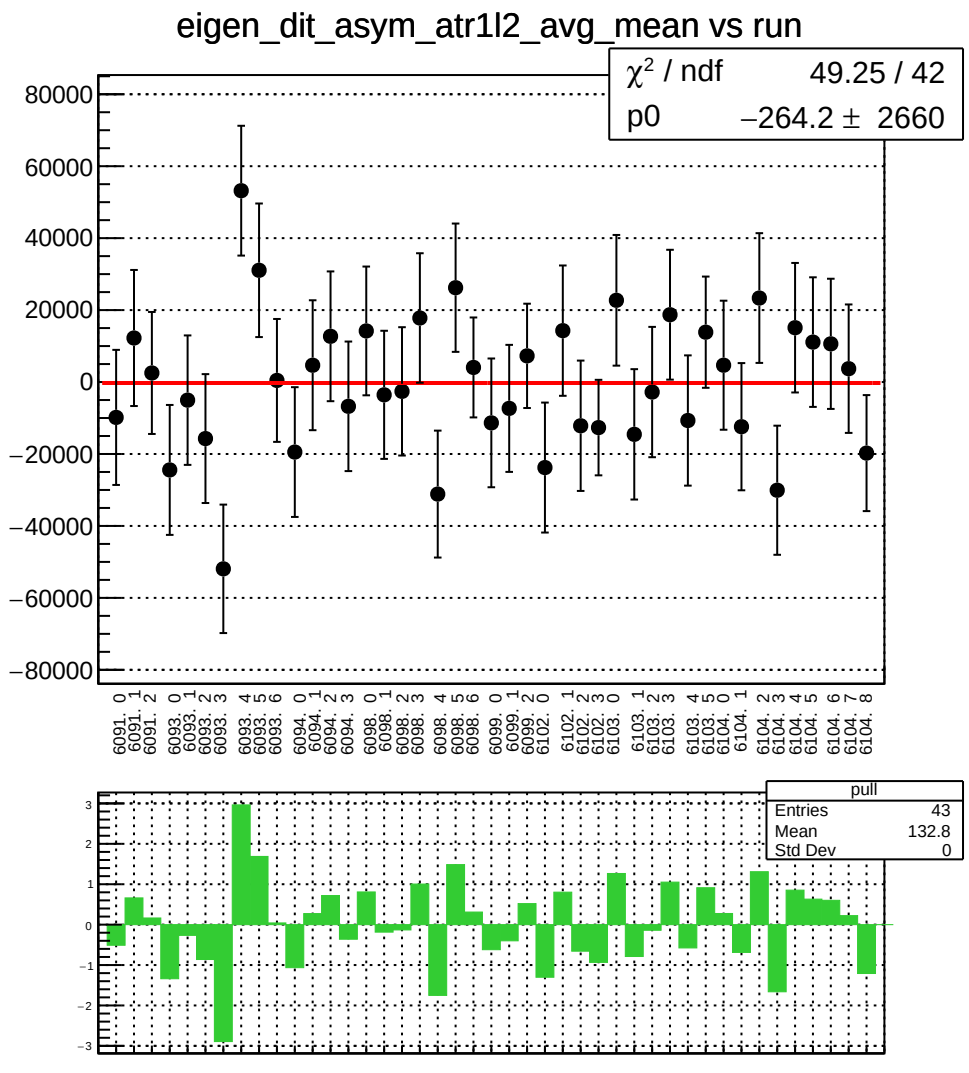

dit_asym_atr1l2_avg_mean vs run
χ² / ndf 49.25 / 42
p0 −264.2 ± 2660
80000
60000
40000
20000
0
−20000
−40000
−60000
−80000
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 132.8
Std Dev 0
3
2
1
0
−1
−2
−3
pull1D
Entries 43
Mean 0.005551
Std Dev 1.07
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

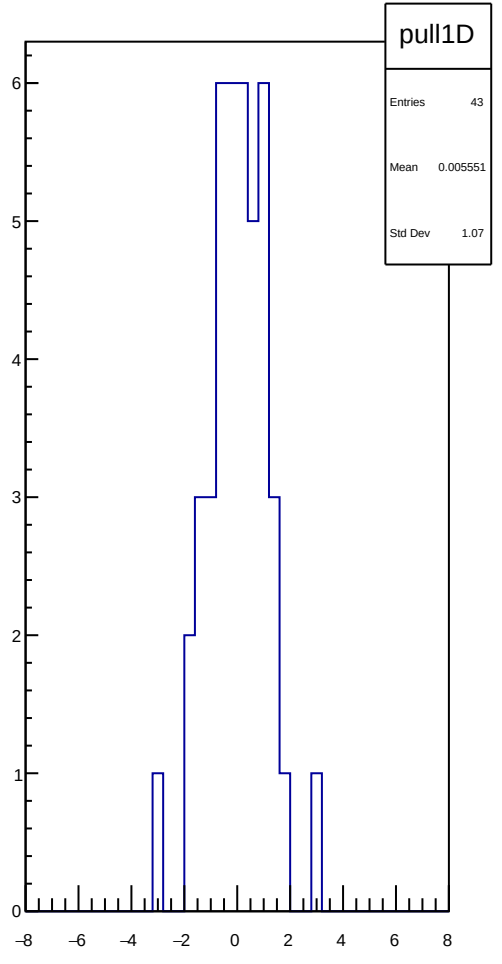

dit_asym_atr1l2_avg_rms vs run
χ² / ndf 168.5 / 42
p0 1711 ± 1.881
1820
1800
1780
1760
1740
1720
1700
1680
1660
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

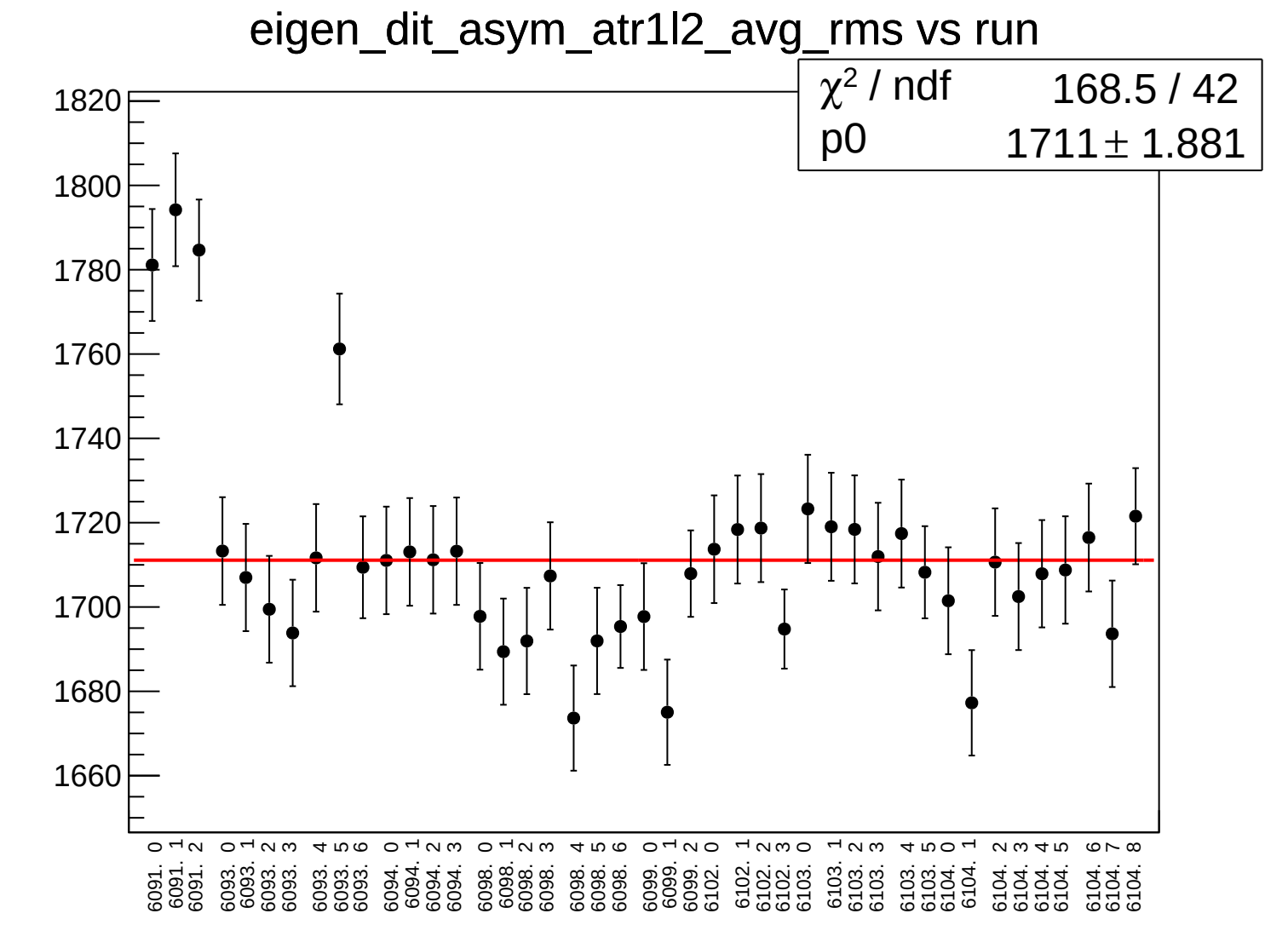

asym_atr1l2_avg_dit_correction_mean vs run
×10^3
χ² / ndf 43.81 / 42
p0 3186 ± 4002
100
50
0
−50
−100
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 21.99
Std Dev 0
2
1
0
−1
−2
−3

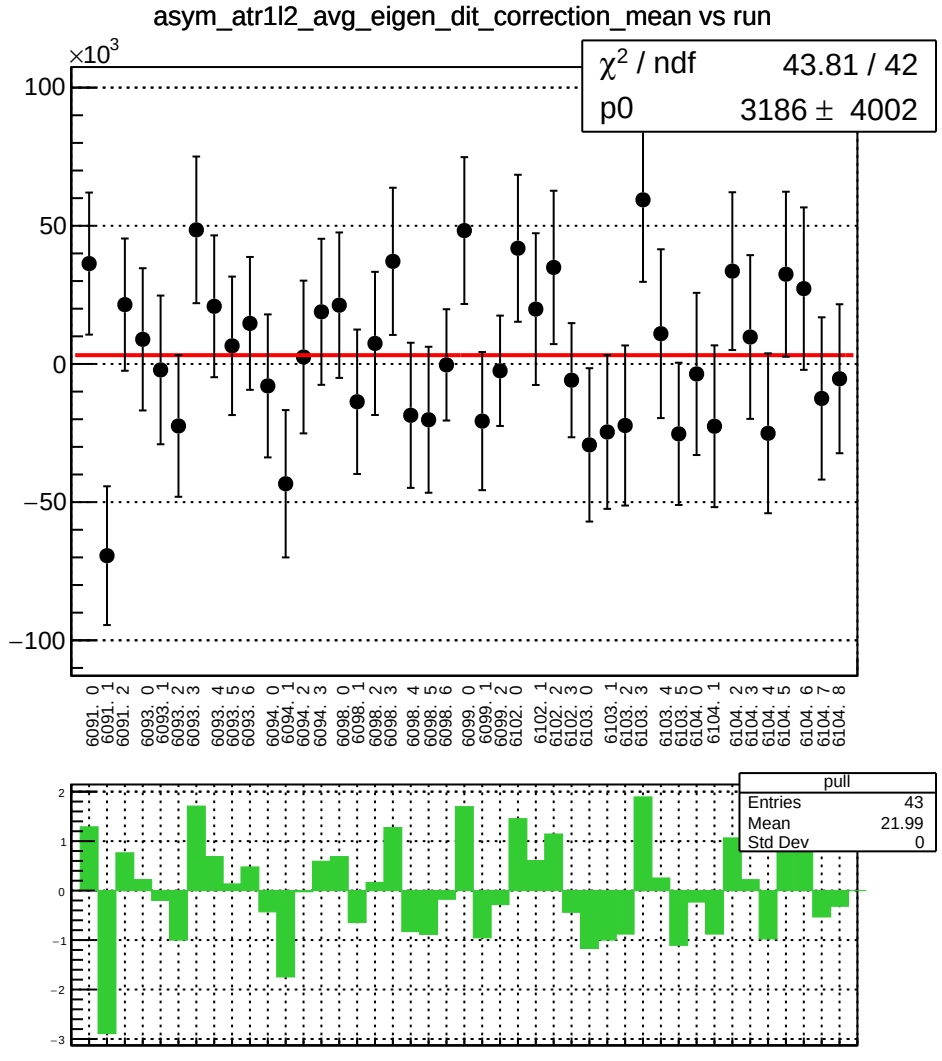

pull1D
Entries 43
Mean 0.01285
Std Dev 1.009
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

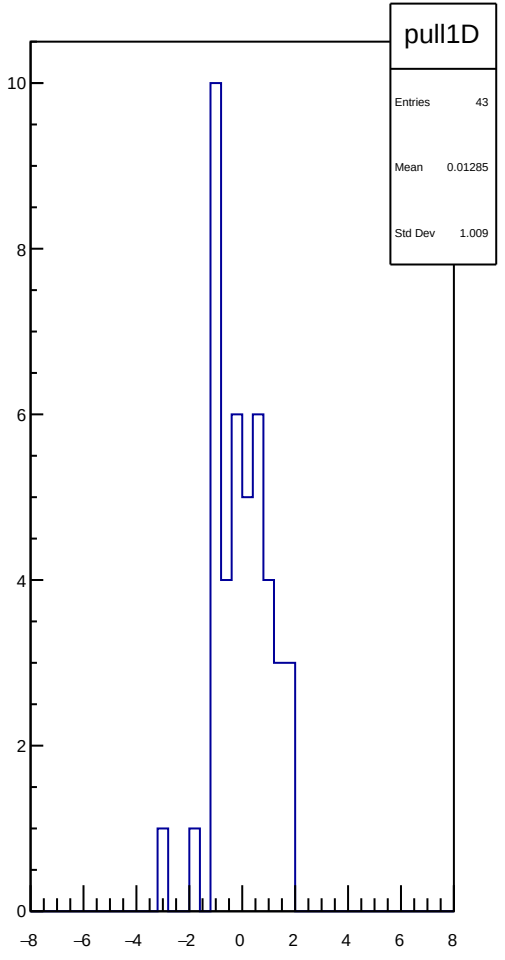

asym_atr1l2_avg_dit_correction_rms vs run
χ² / ndf 2991 / 42
p0 2570 ± 2.83
2900
2800
2700
2600
2500
2400
2300
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

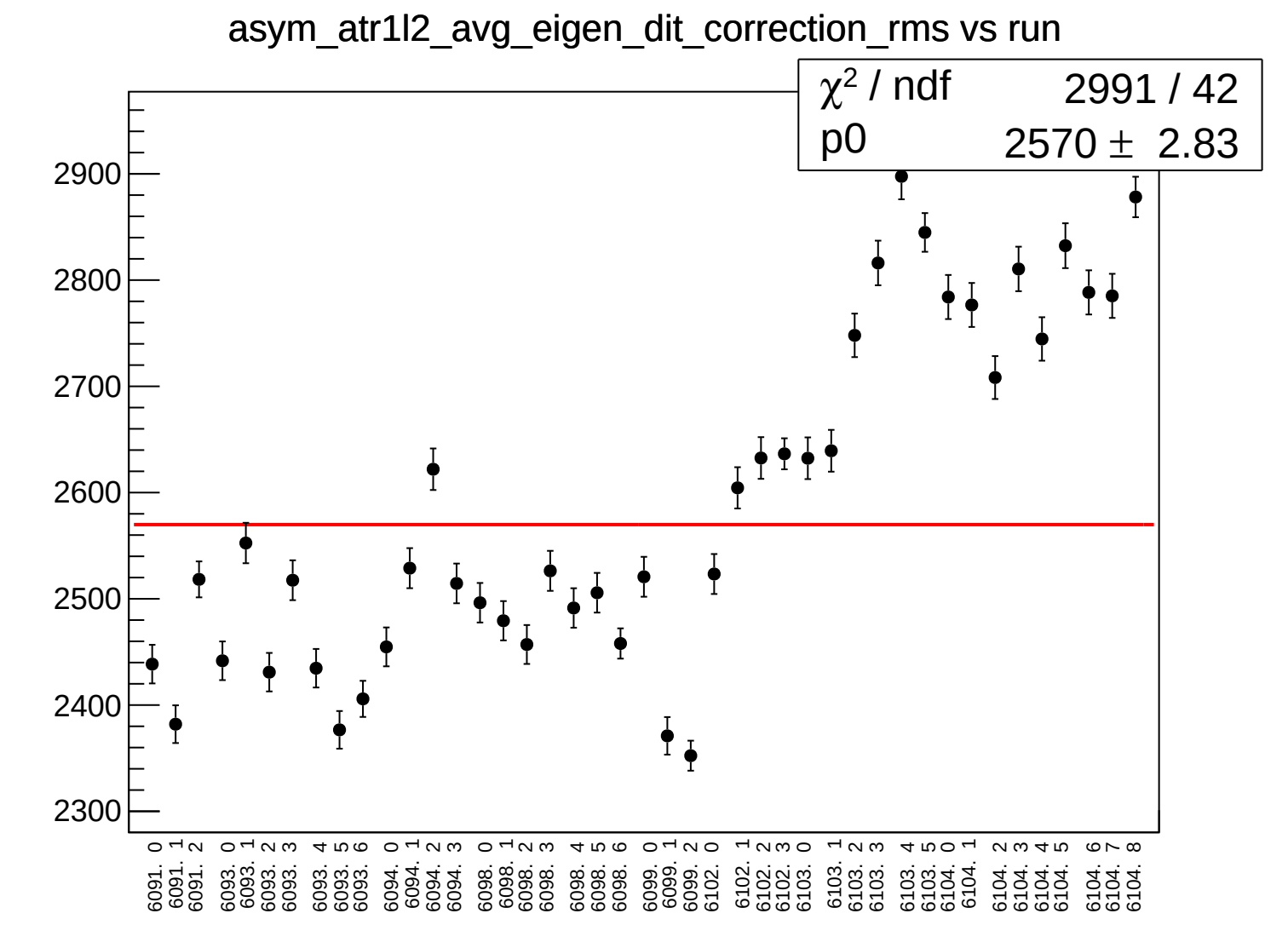

eigen_dit_asym_atr1l2_avg_mean vs run
χ² / ndf 49.25 / 42
p0 −264.2 ± 2660
80000
60000
40000
20000
0
−20000
−40000
−60000
−80000
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 132.8
Std Dev 0
3
2
1
0
−1
−2
−3

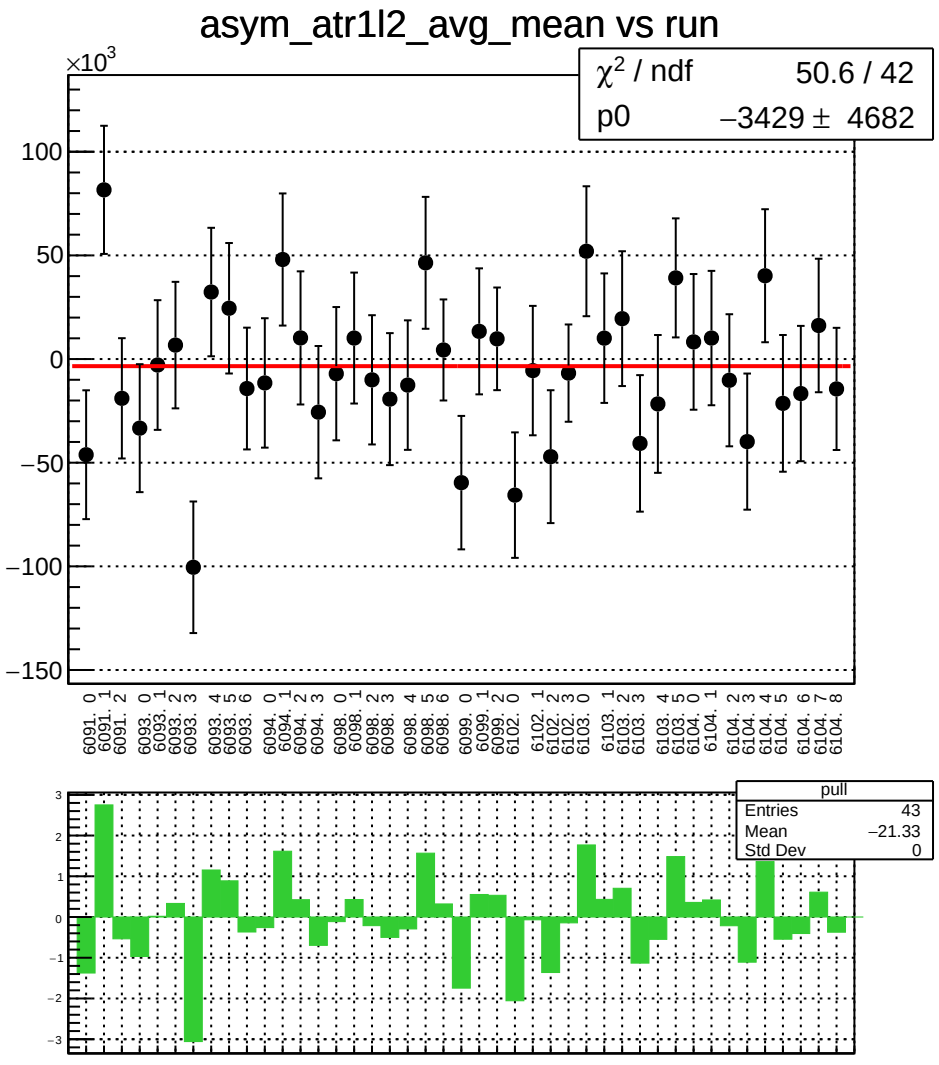

pull1D
Entries 43
Mean 0.005551
Std Dev 1.07
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

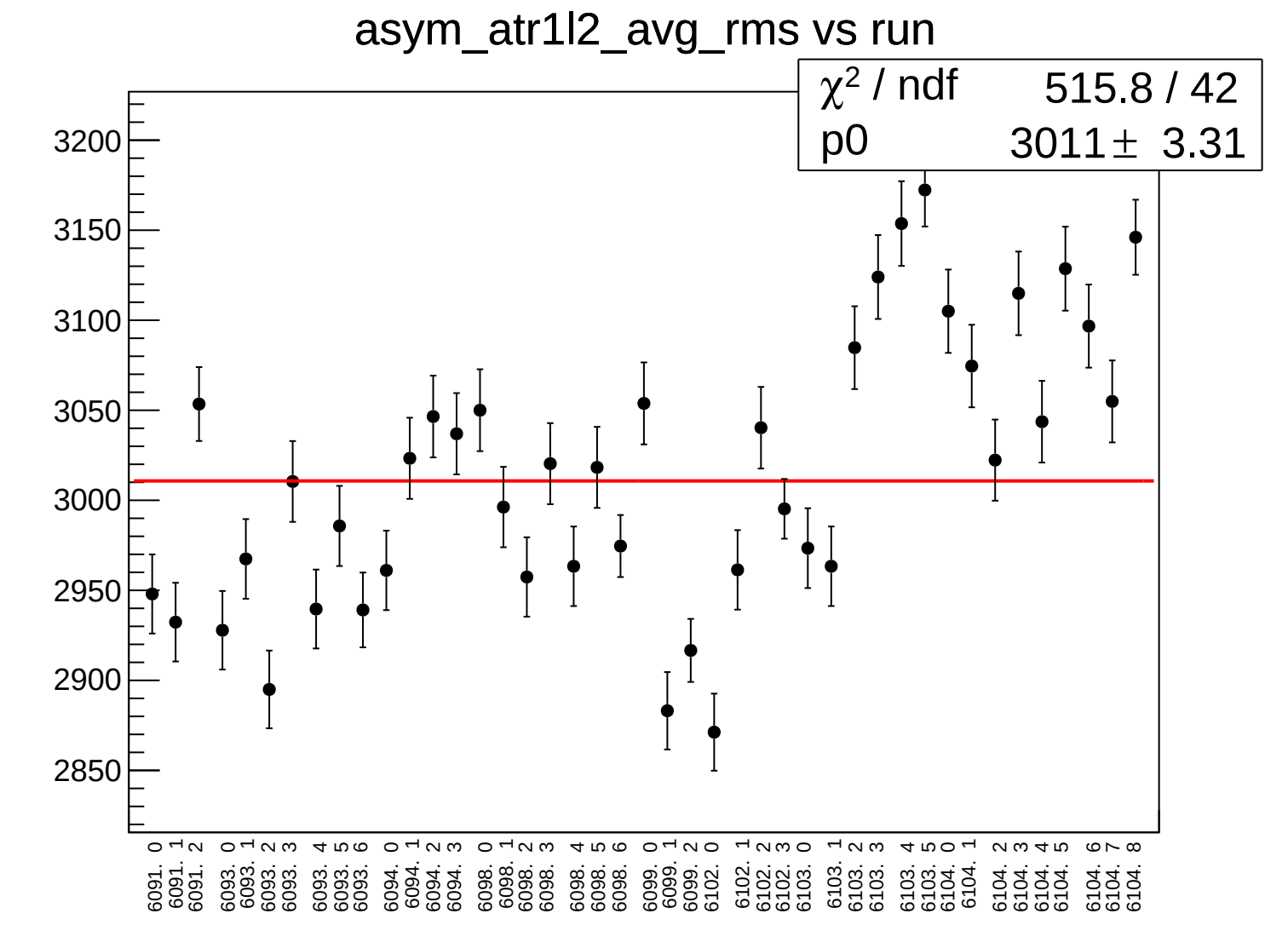

eigen_dit_asym_atr1l2_avg_rms vs run
χ² / ndf 168.5 / 42
p0 1711 ± 1.881
1820
1800
1780
1760
1740
1720
1700
1680
1660
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

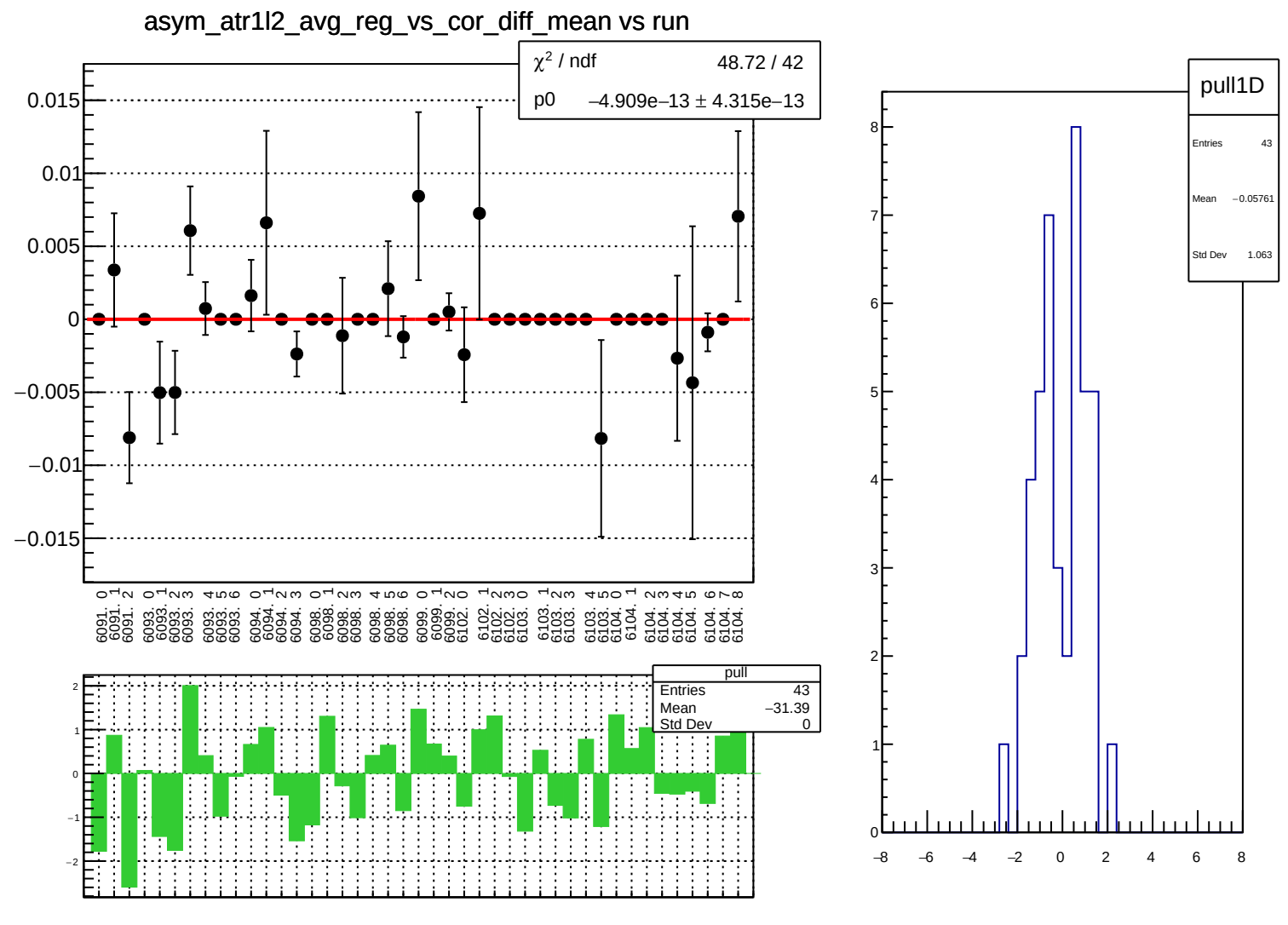

asym_atr1l2_avg_eigen_dit_correction_mean vs run
×10^3
χ² / ndf 43.81 / 42
p0 3186 ± 4002
100
50
0
−50
−100
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 21.99
Std Dev 0
2
1
0
−1
−2
−3

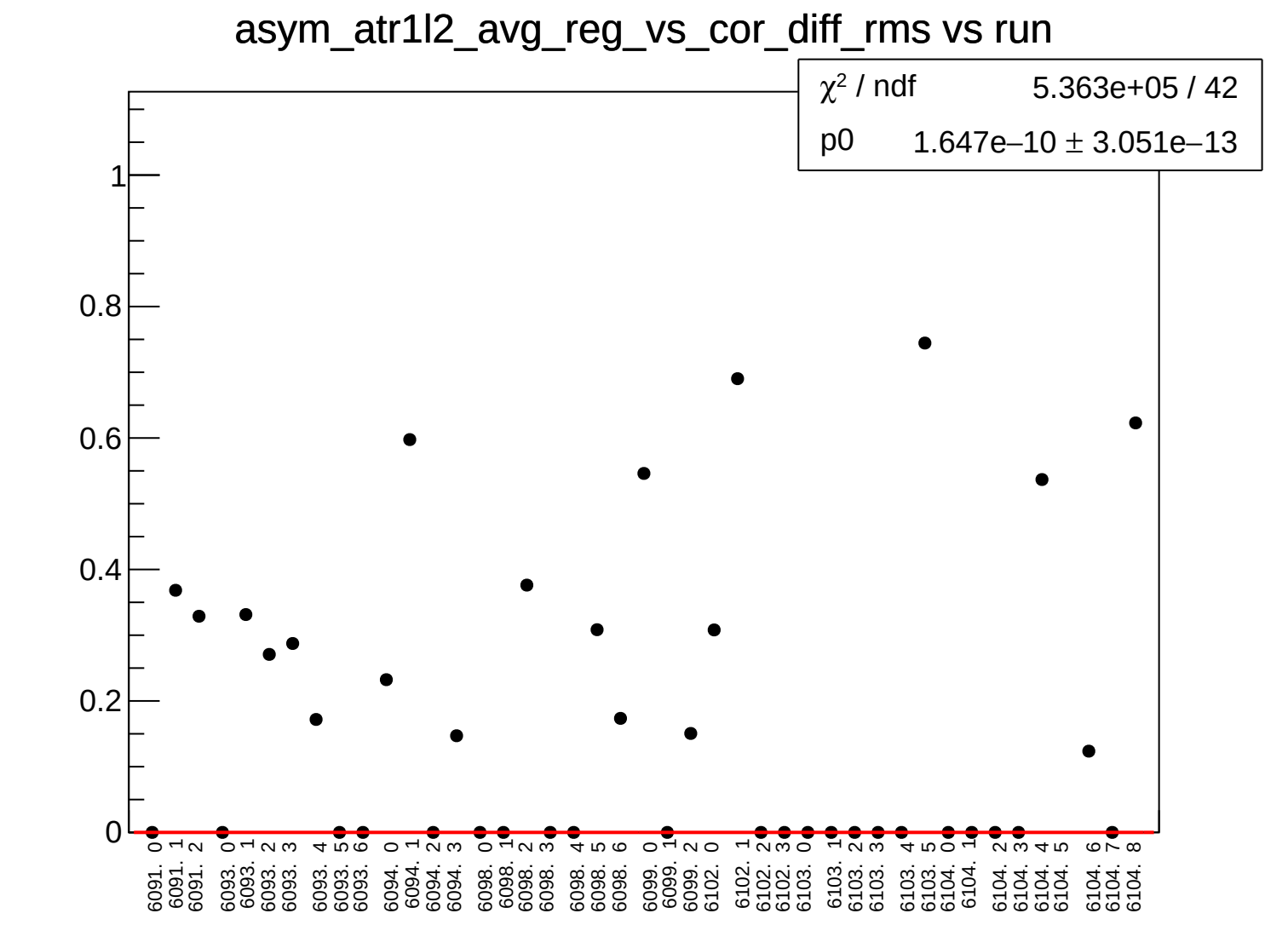

pull1D
Entries 43
Mean 0.01285
Std Dev 1.009
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


asym_atr1l2_avg_eigen_dit_correction_rms vs run
χ² / ndf 2991 / 42
p0 2570 ± 2.83
2900
2800
2700
2600
2500
2400
2300
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

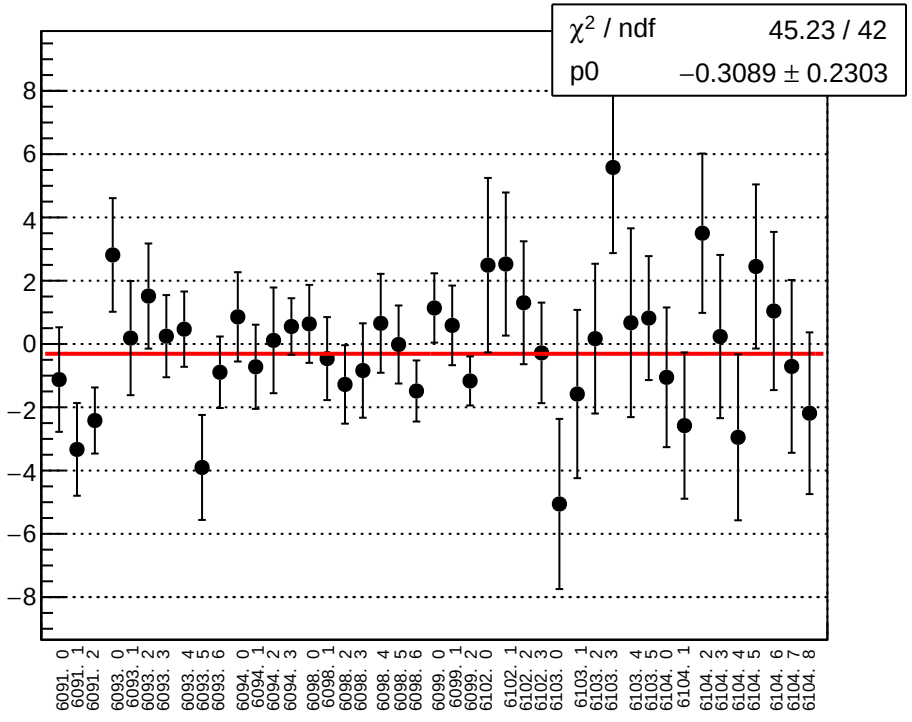

asym_atr1l2_avg_mean vs run
×10^3
χ² / ndf 50.6 / 42
p0 −3429 ± 4682
100
50
0
−50
−100
−150
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean −21.33
Std Dev 0
3
2
1
0
−1
−2
−3
pull1D
Entries 43
Mean −0.008283
Std Dev 1.085
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

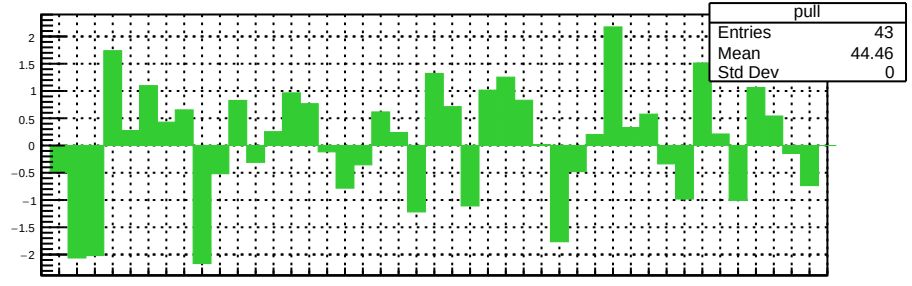

asym_atr1l2_avg_rms vs run
χ² / ndf 515.8 / 42
p0 3011 ± 3.31
3200
3150
3100
3050
3000
2950
2900
2850
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

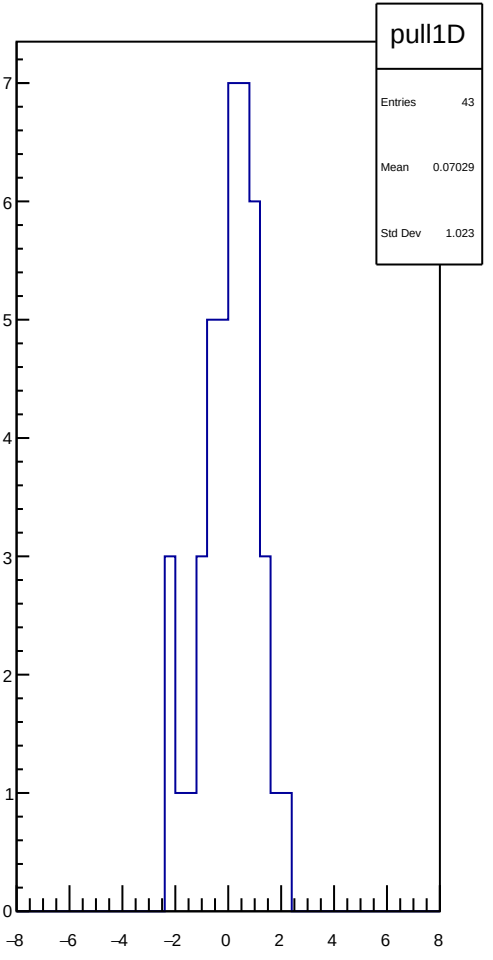

asym_atr1l2_avg_reg_vs_cor_diff_mean vs run
χ² / ndf 48.72 / 42
p0 −4.909e−13 ± 4.315e−13
0.015
0.01
0.005
0
−0.005
−0.01
−0.015
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean −31.39
Std Dev 0
2
1
0
−1
−2
pull1D
Entries 43
Mean −0.05761
Std Dev 1.063
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

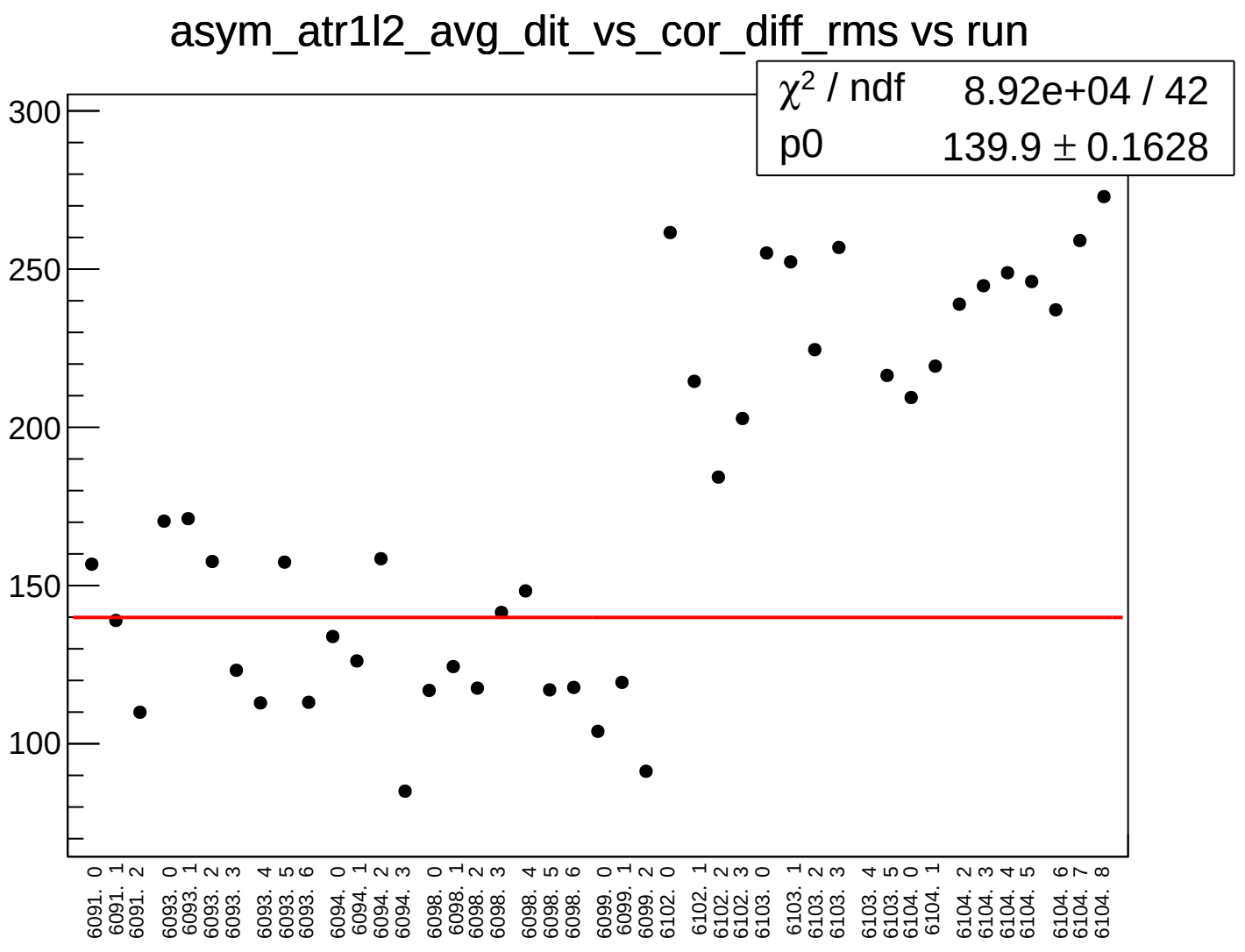

asym_atr1l2_avg_reg_vs_cor_diff_rms vs run
χ² / ndf 5.363e+05 / 42
p0 1.647e−10 ± 3.051e−13
1
0.8
0.6
0.4
0.2
0
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

asym_atr1l2_avg_dit_vs_cor_diff_mean vs run

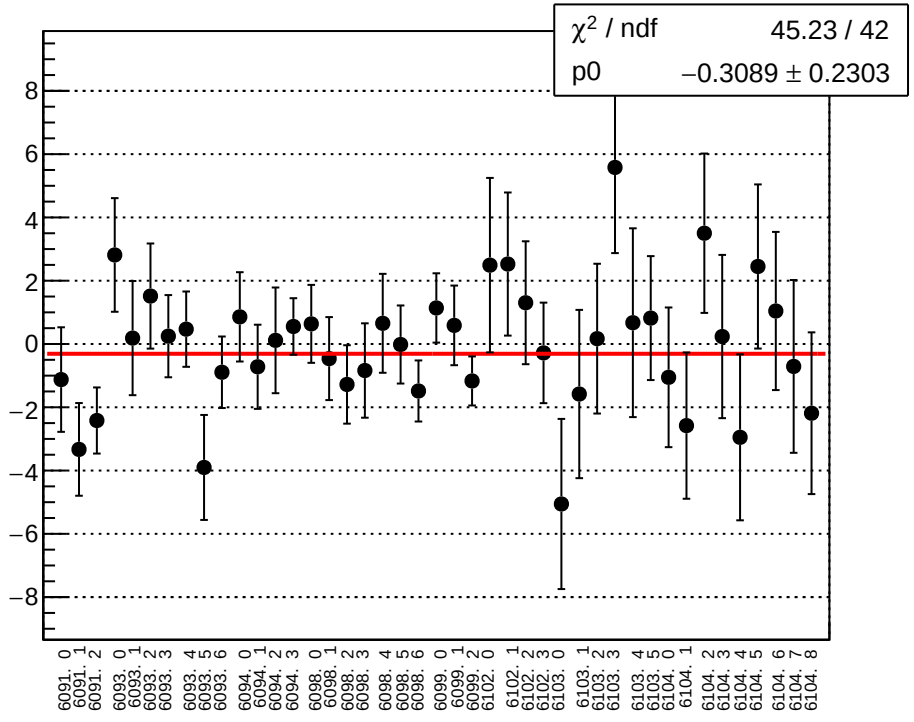


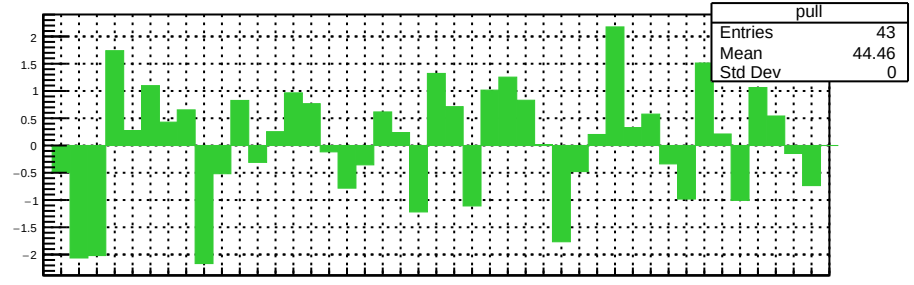


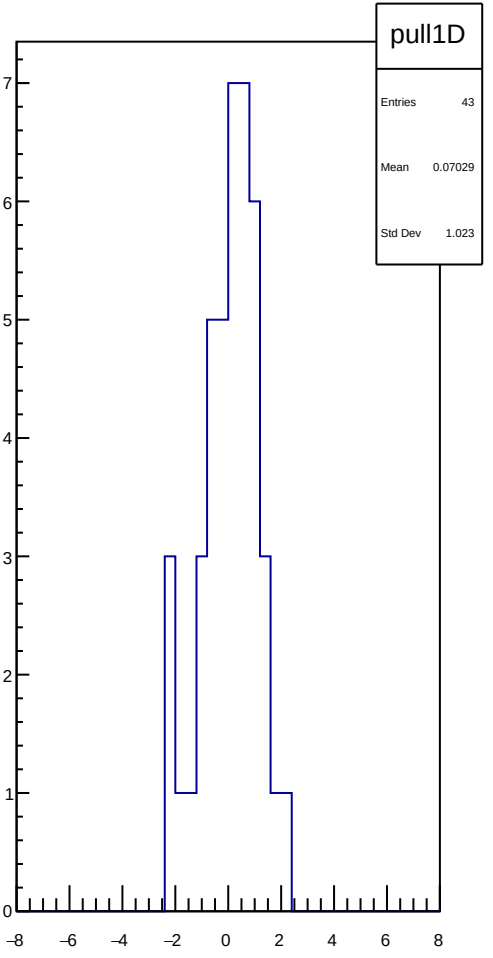


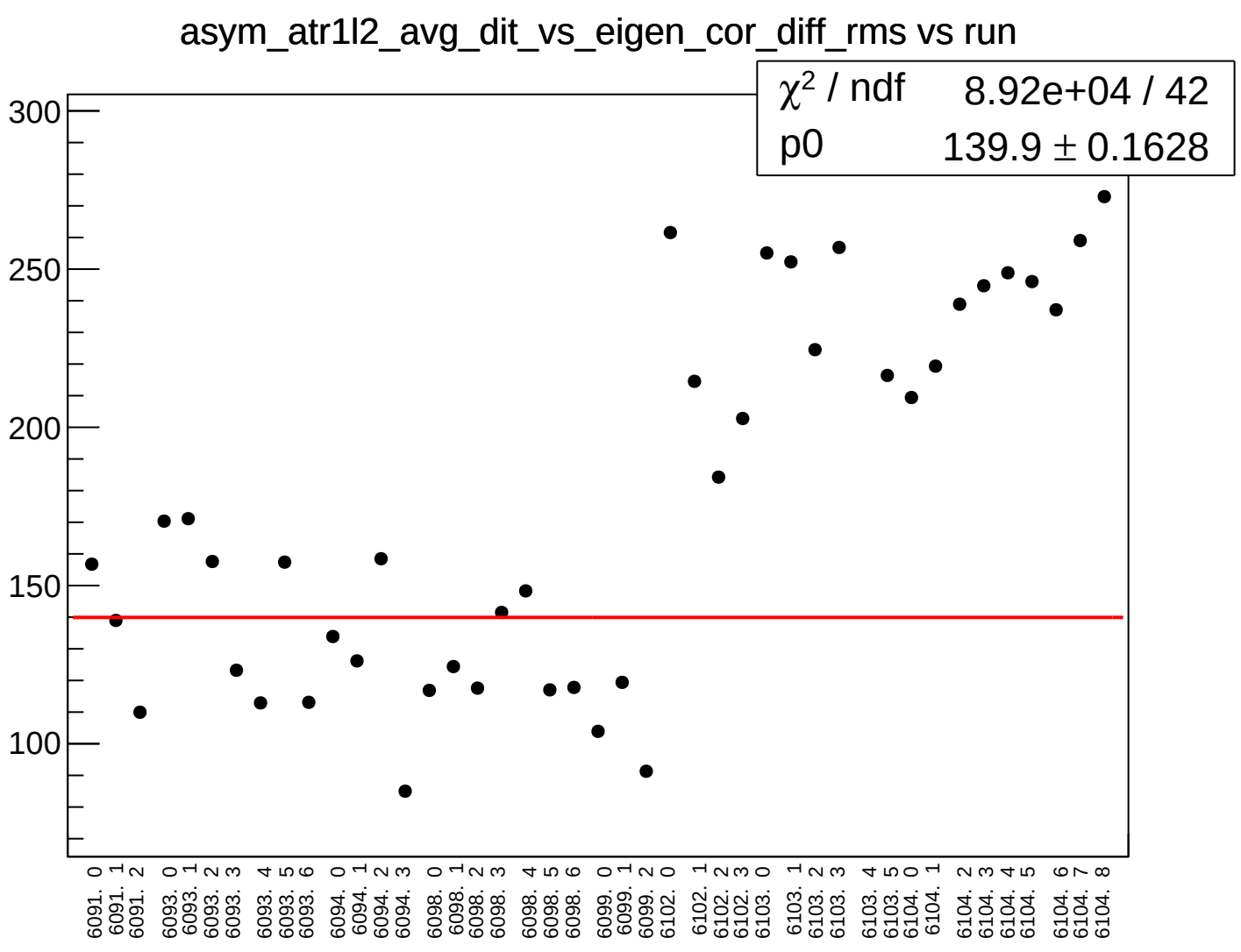

asym_atr1l2_avg_dit_vs_cor_diff_rms vs run
χ² / ndf 8.92e+04 / 42
p0 139.9 ± 0.1628
300
250
200
150
100
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

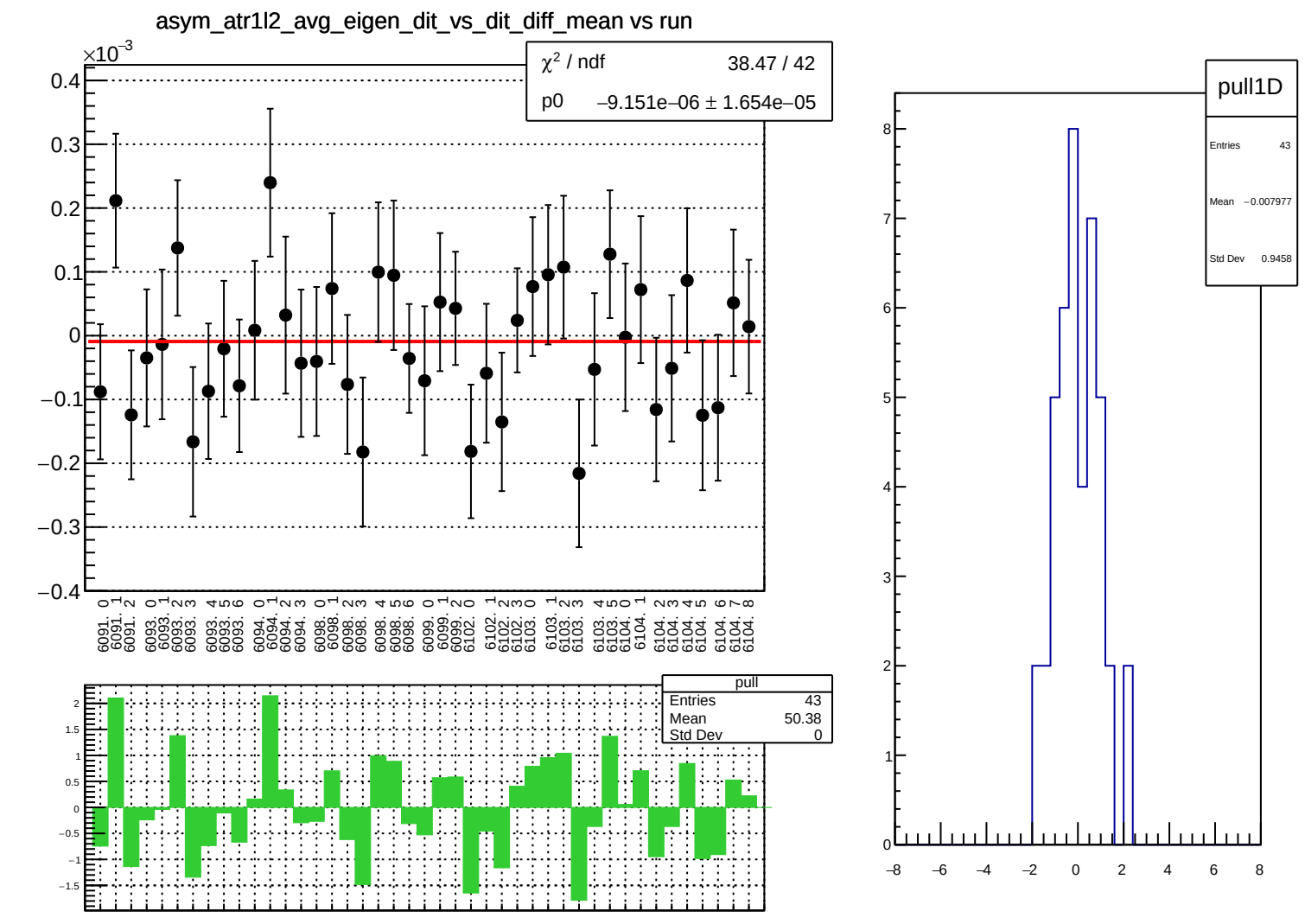
asym_atr1l2_avg_dit_vs_eigen_cor_diff_mean vs run








asym_atr1l2_avg_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 8.92e+04 / 42
p0 139.9 ± 0.1628
300
250
200
150
100
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8


asym_atr1l2_avg_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 38.47 / 42
p0 −9.151e−06 ± 1.654e−05
0.4
0.3
0.2
0.1
0
−0.1
−0.2
−0.3
−0.4
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
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6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
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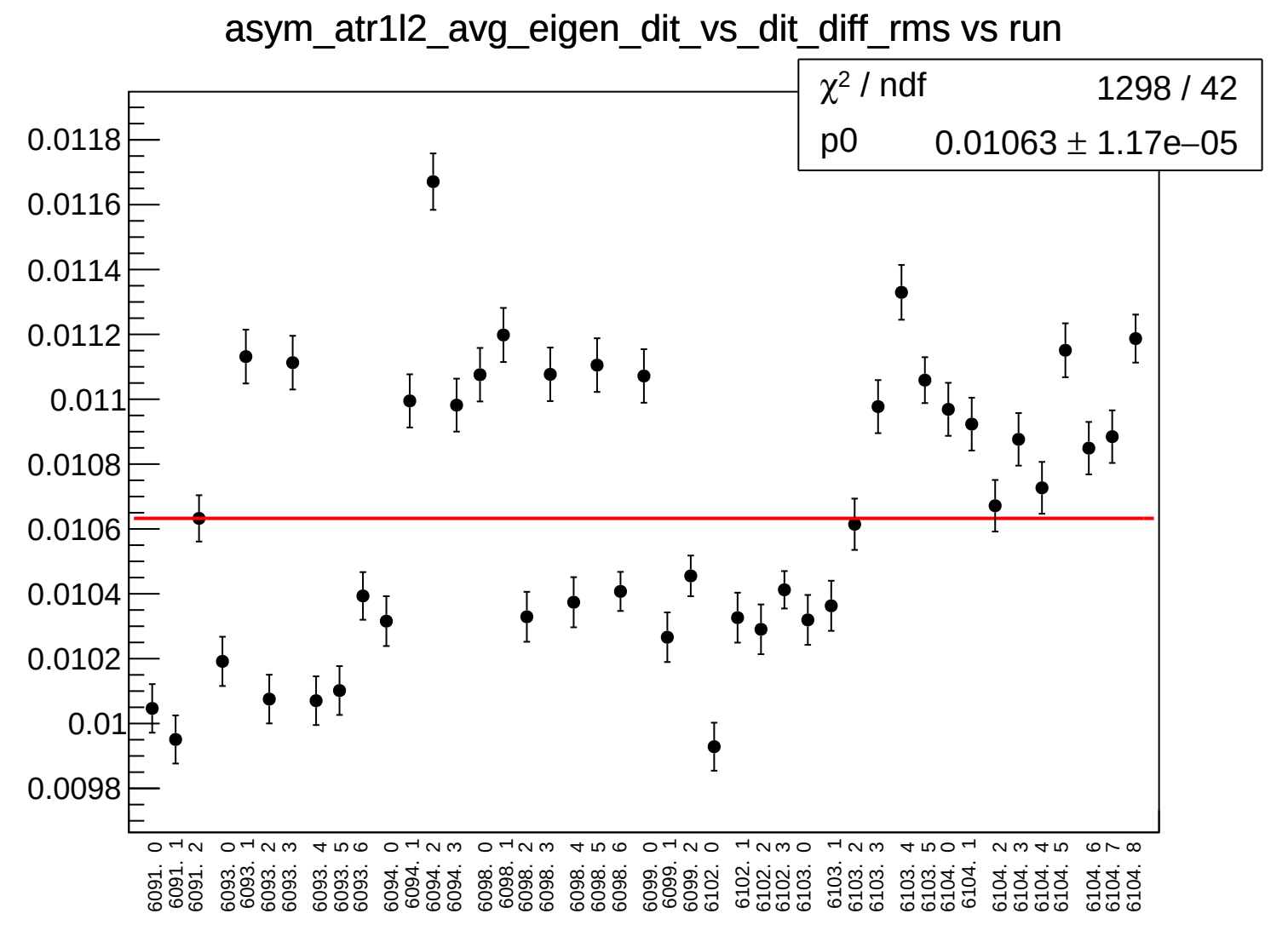
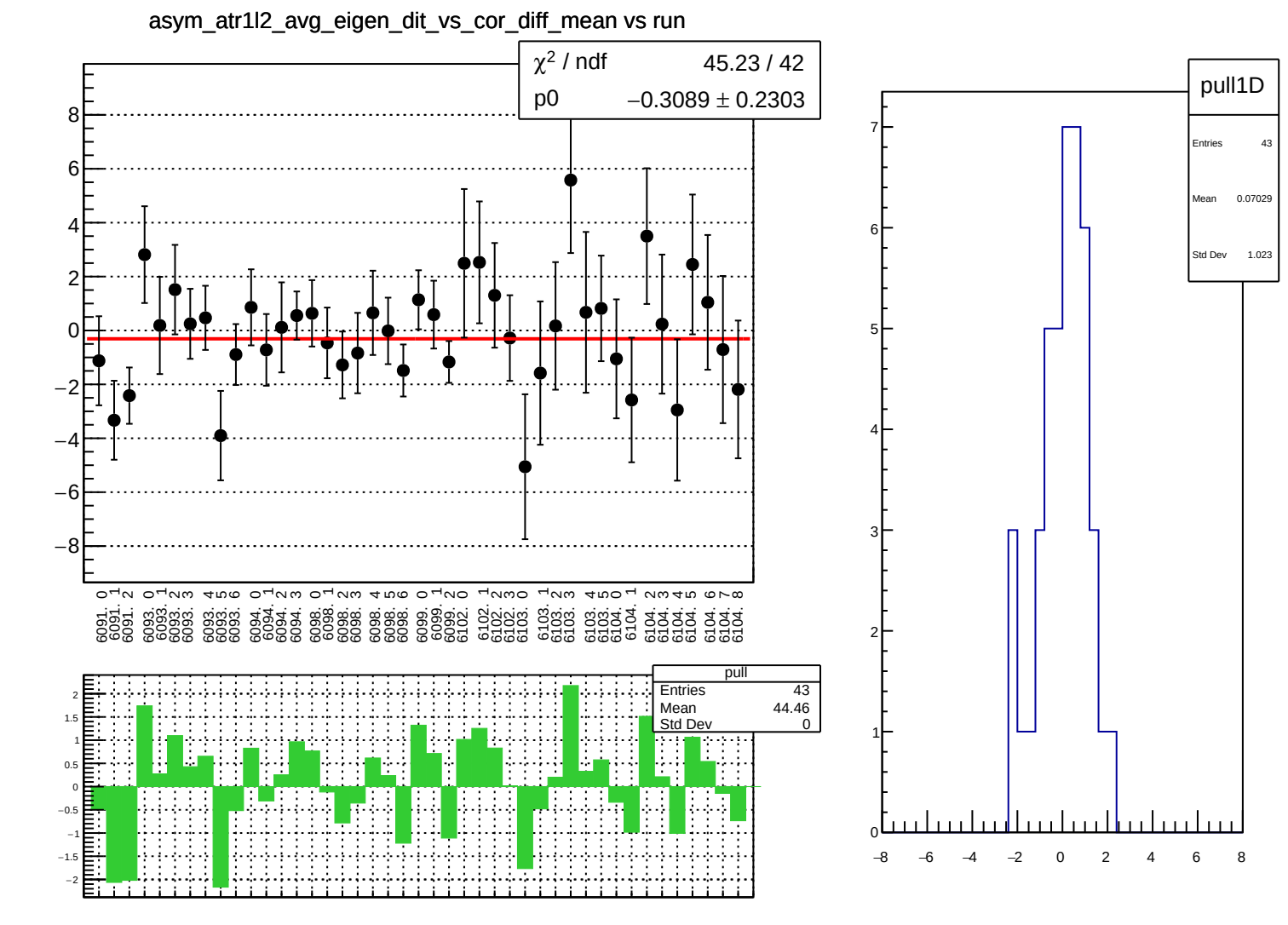
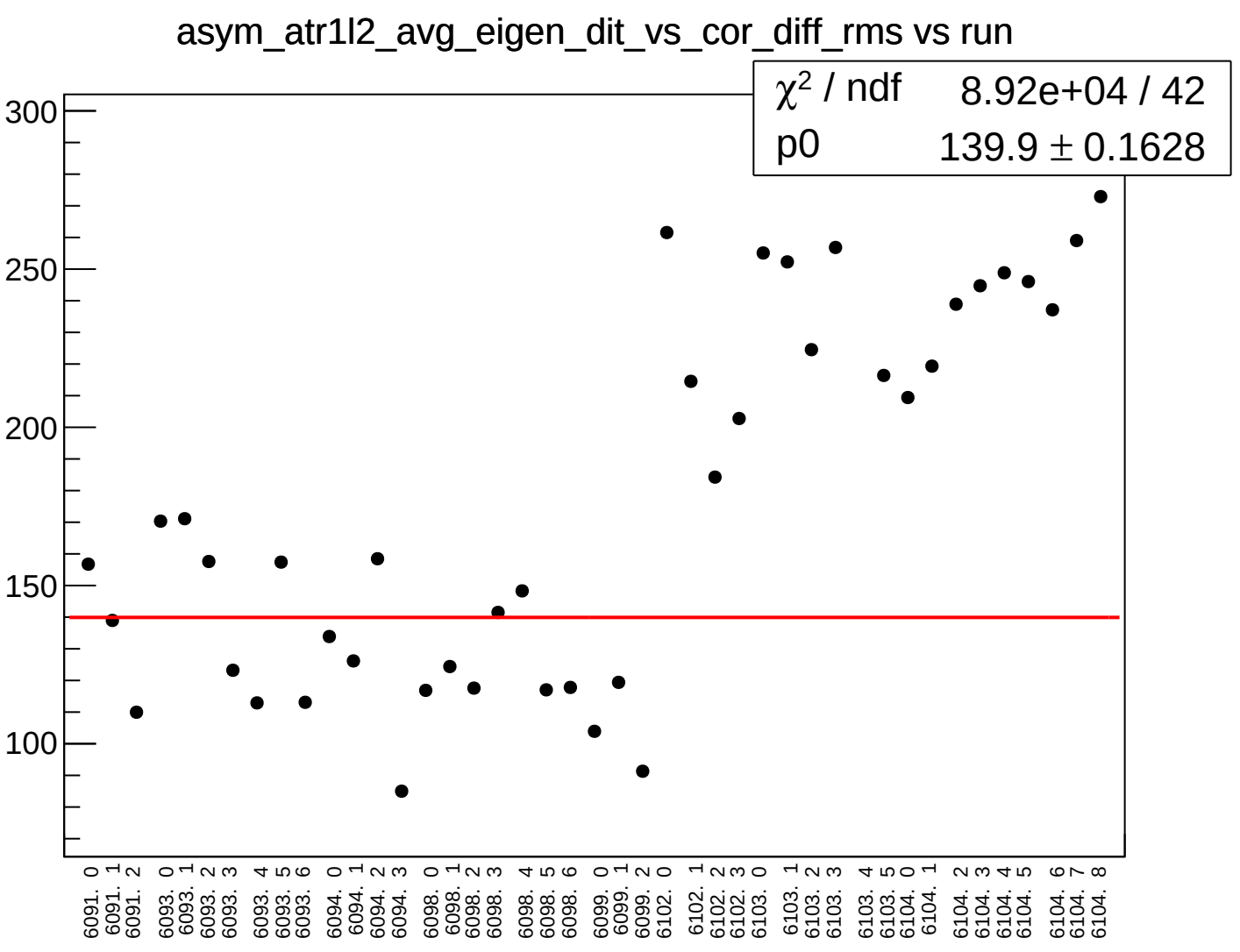
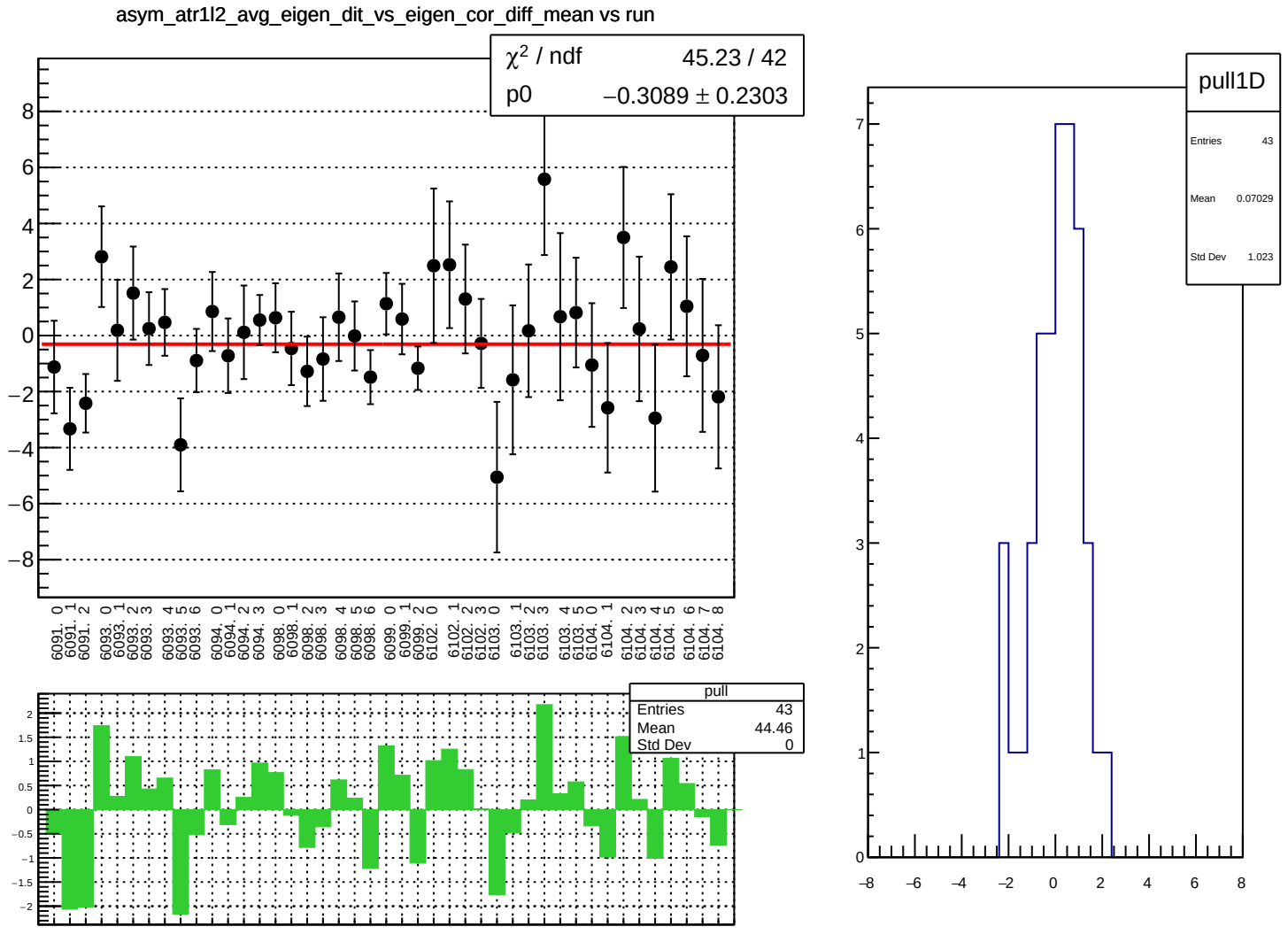
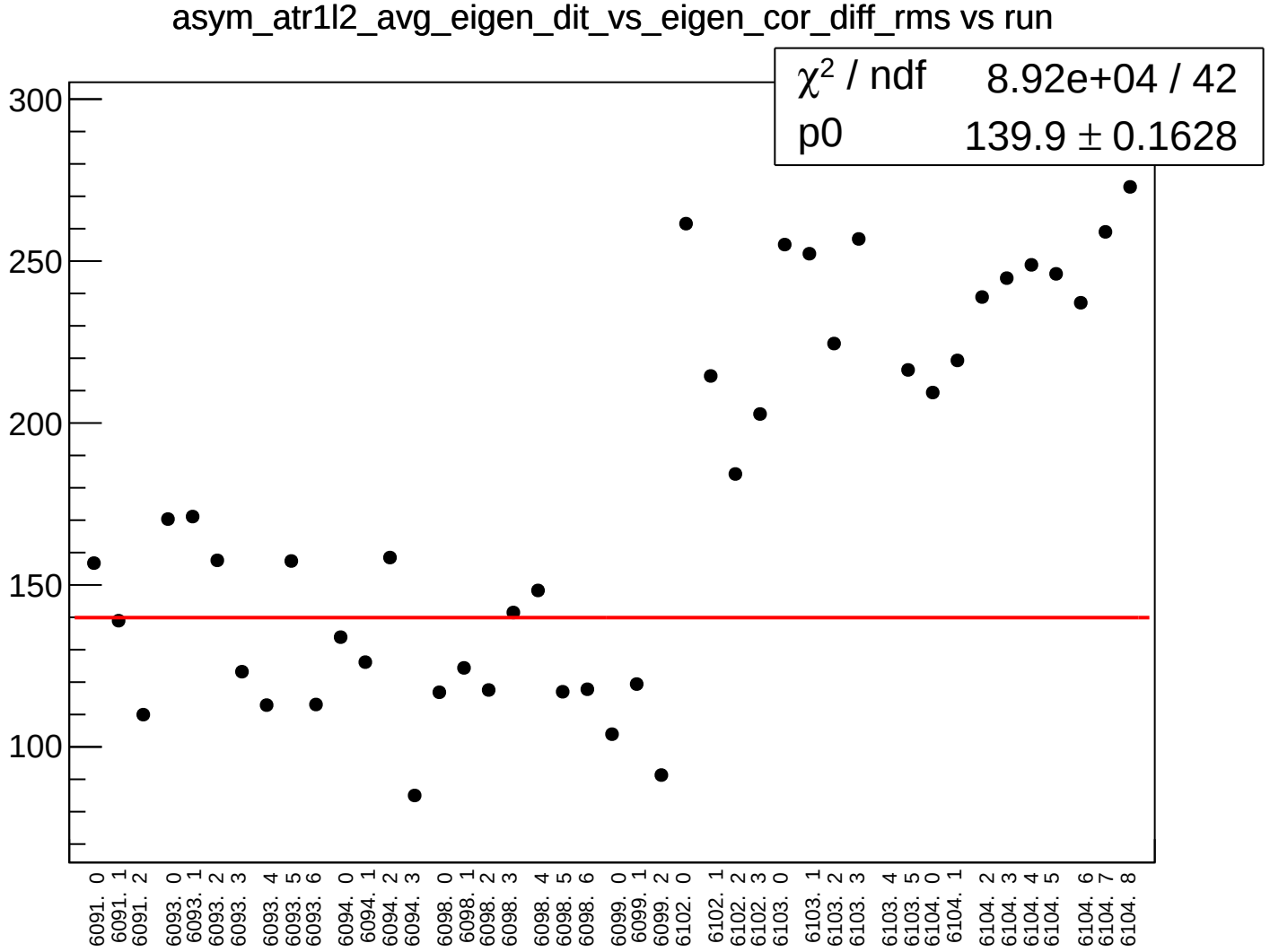
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 50.38
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 43
Mean −0.007977
Std Dev 0.9458
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

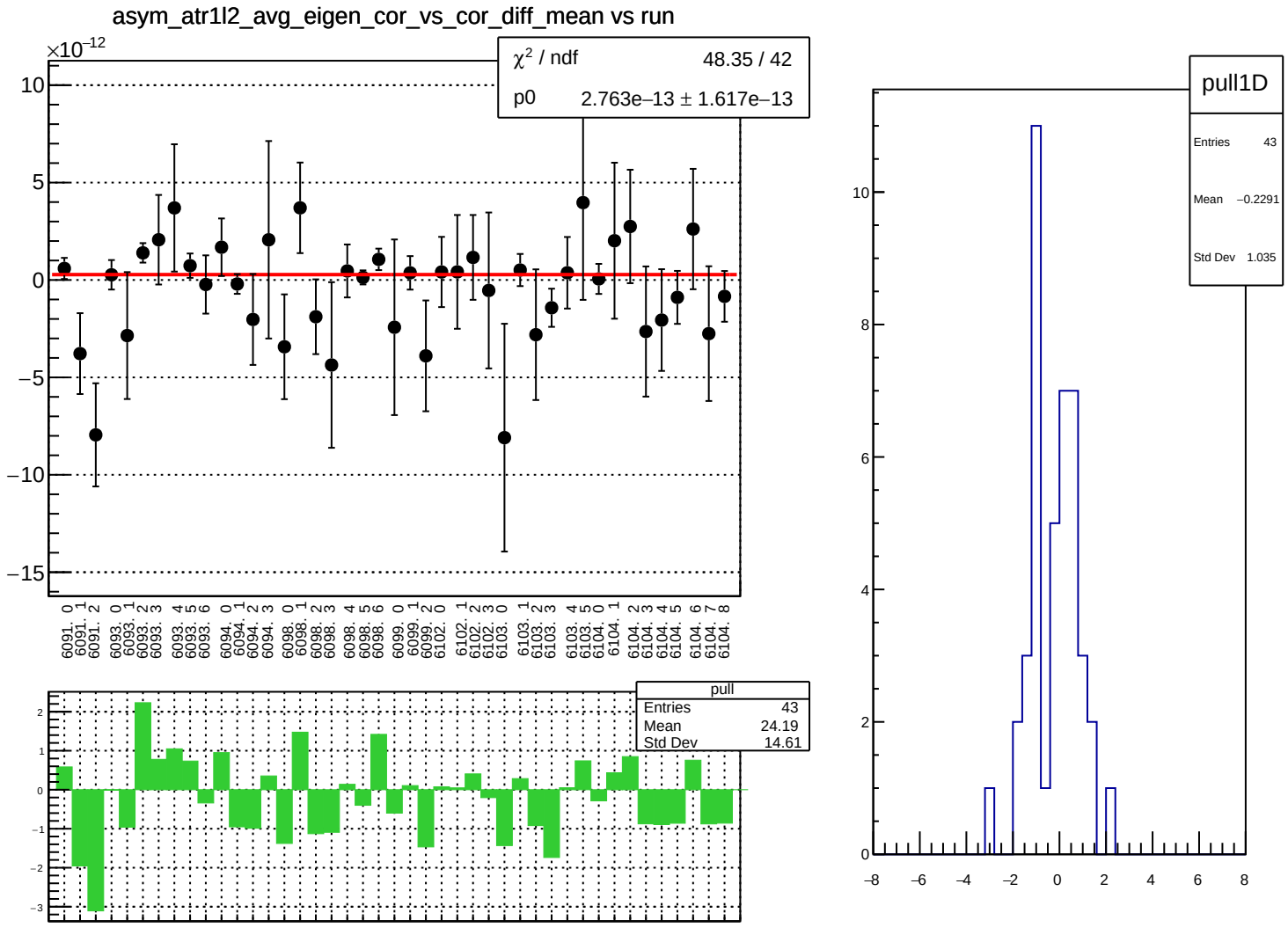

asym_atr1l2_avg_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 1298 / 42
p0 0.01063 ± 1.17e−05
0.0118
0.0116
0.0114
0.0112
0.011
0.0108
0.0106
0.0104
0.0102
0.01
0.0098
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

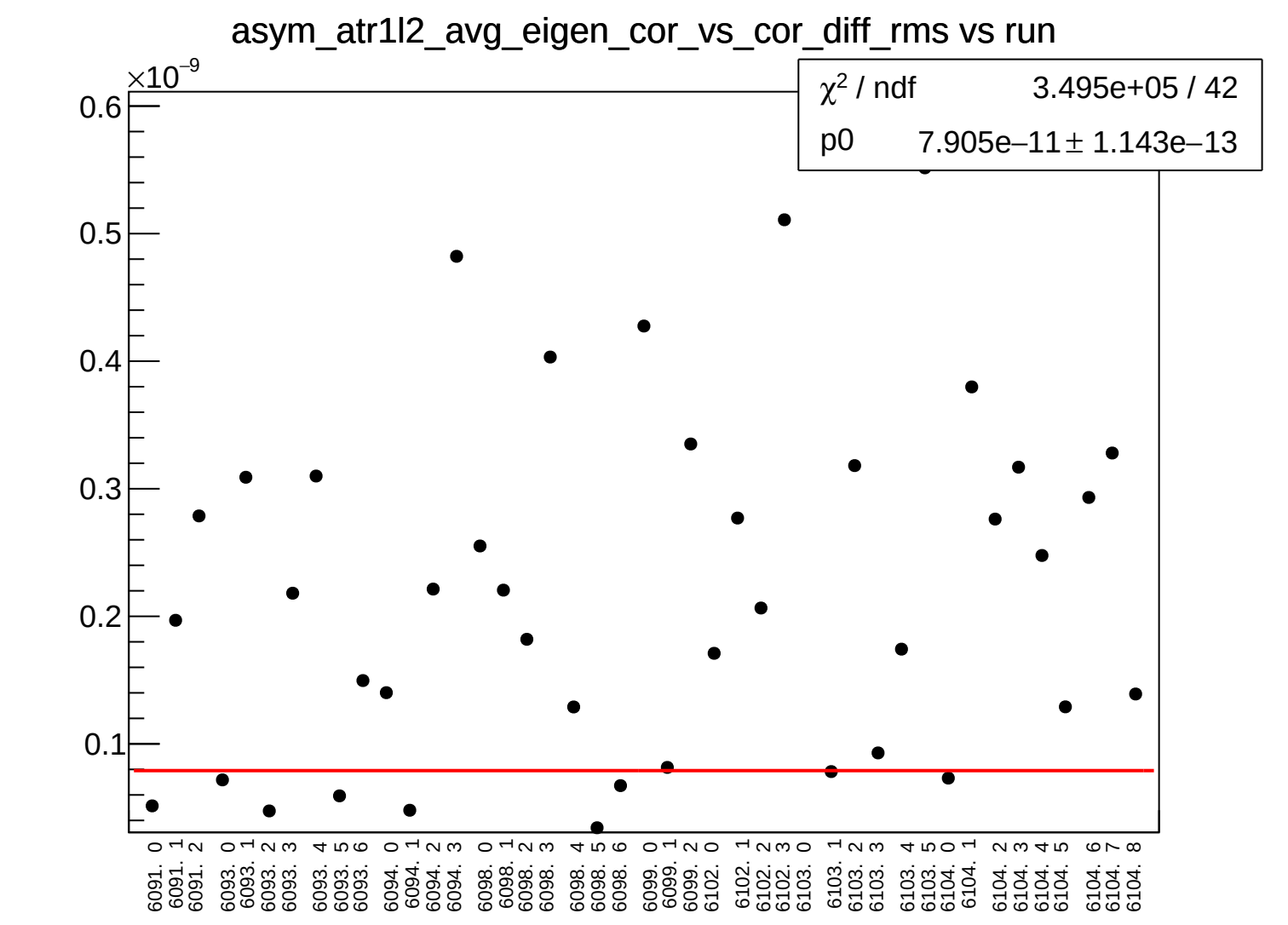

asym_atr1l2_avg_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 45.23 / 42
p0 −0.3089 ± 0.2303
pull
Entries 43
Mean 44.46
Std Dev 0
pull1D
Entries 43
Mean 0.07029
Std Dev 1.023

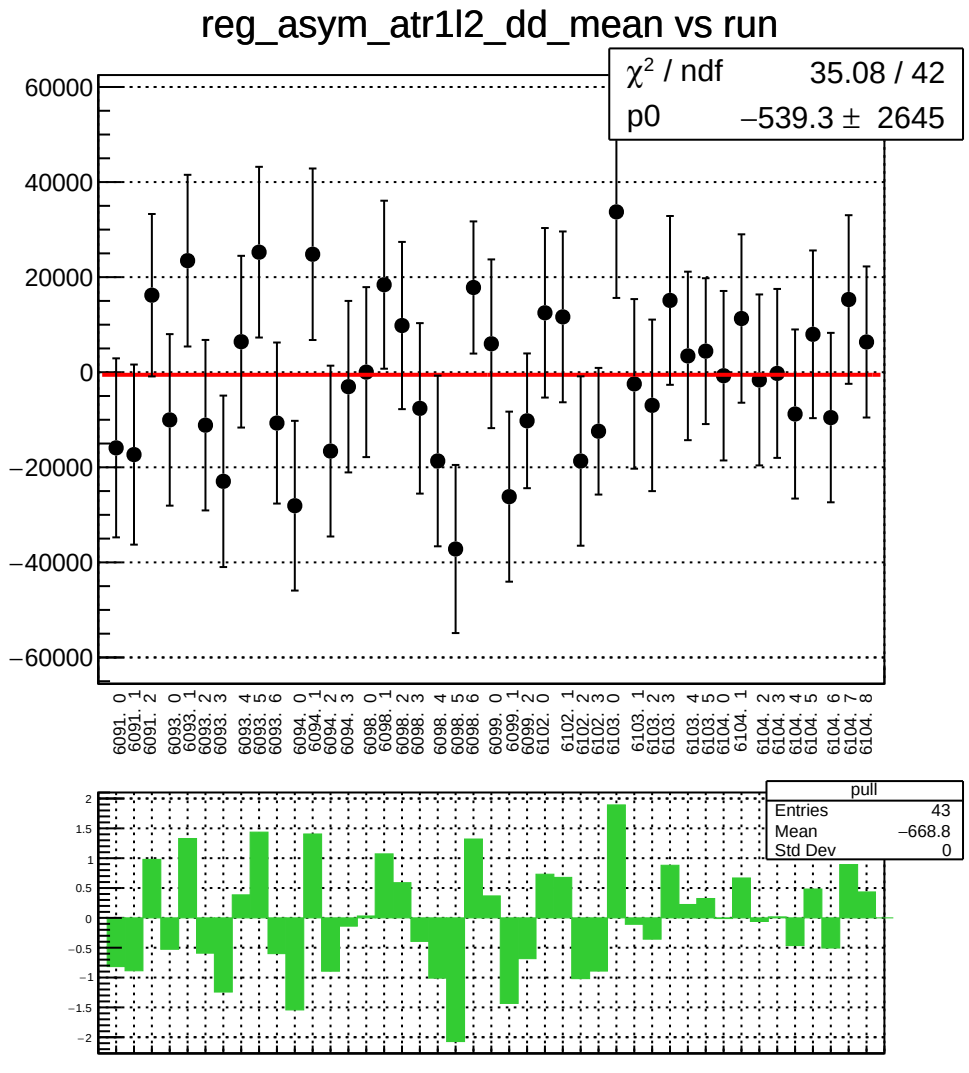

asym_atr1l2_avg_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 8.92e+04 / 42
p0 139.9 ± 0.1628
300
250
200
150
100
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

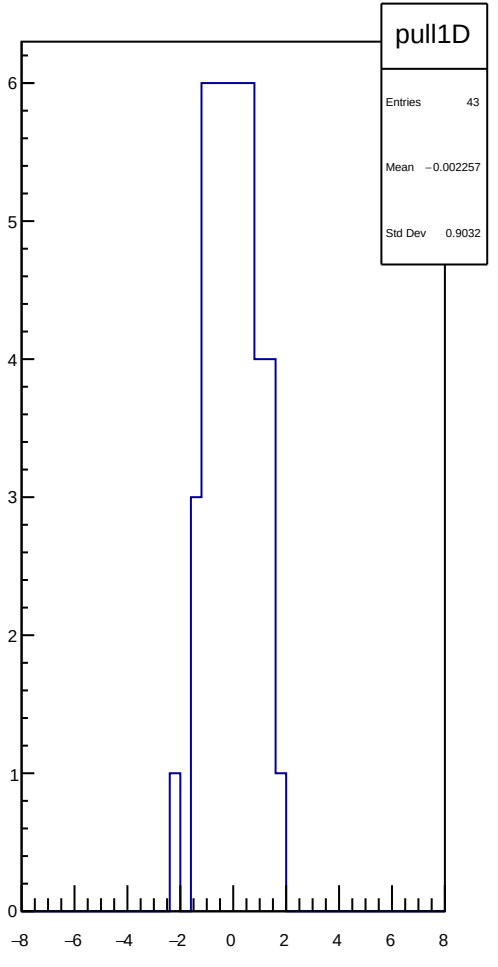

asym_atr1l2_avg_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 45.23 / 42
p0 −0.3089 ± 0.2303
pull
Entries 43
Mean 44.46
Std Dev 0
pull1D
Entries 43
Mean 0.07029
Std Dev 1.023

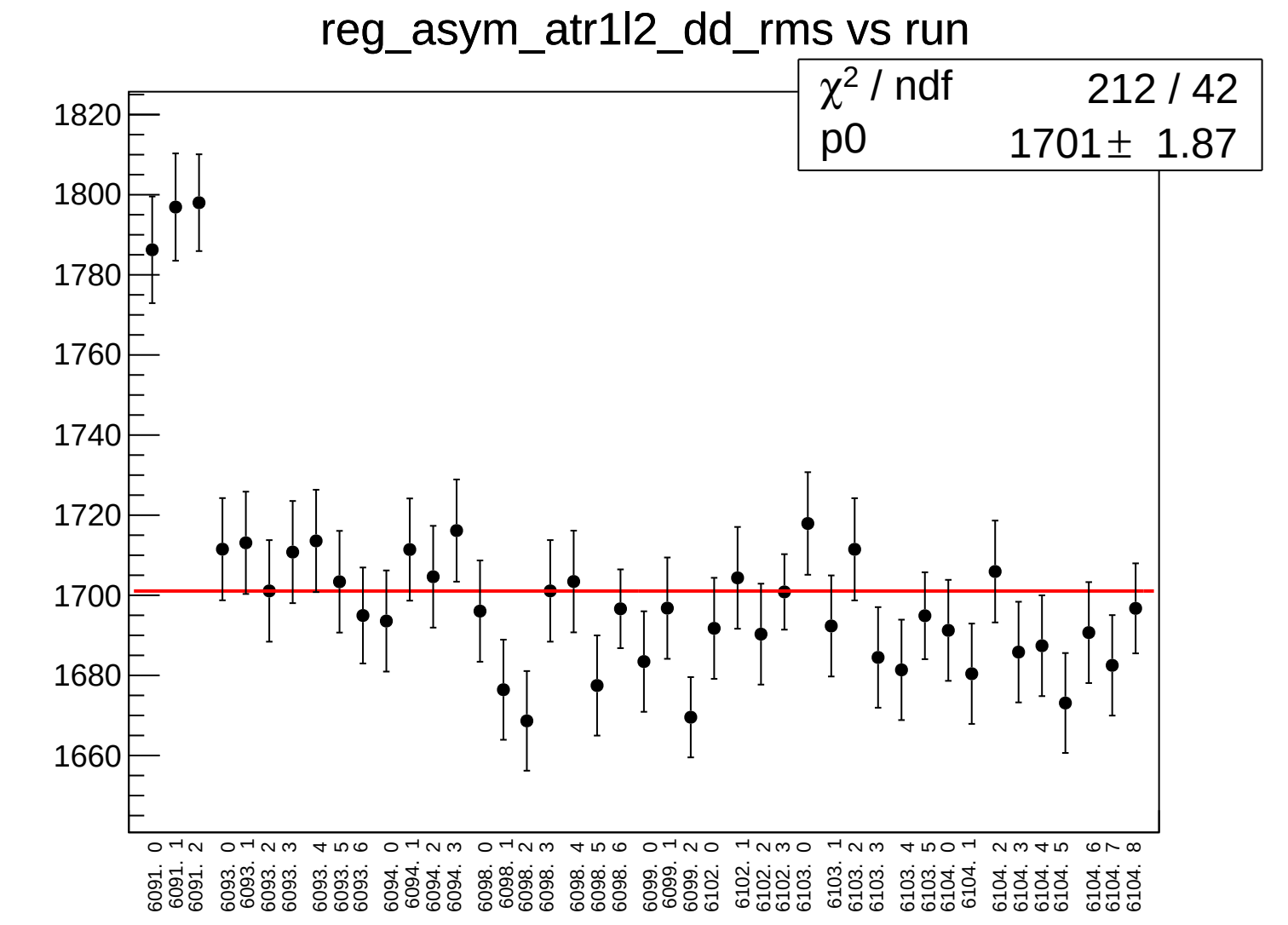

asym_atr1l2_avg_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 8.92e+04 / 42
p0 139.9 ± 0.1628
300
250
200
150
100
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

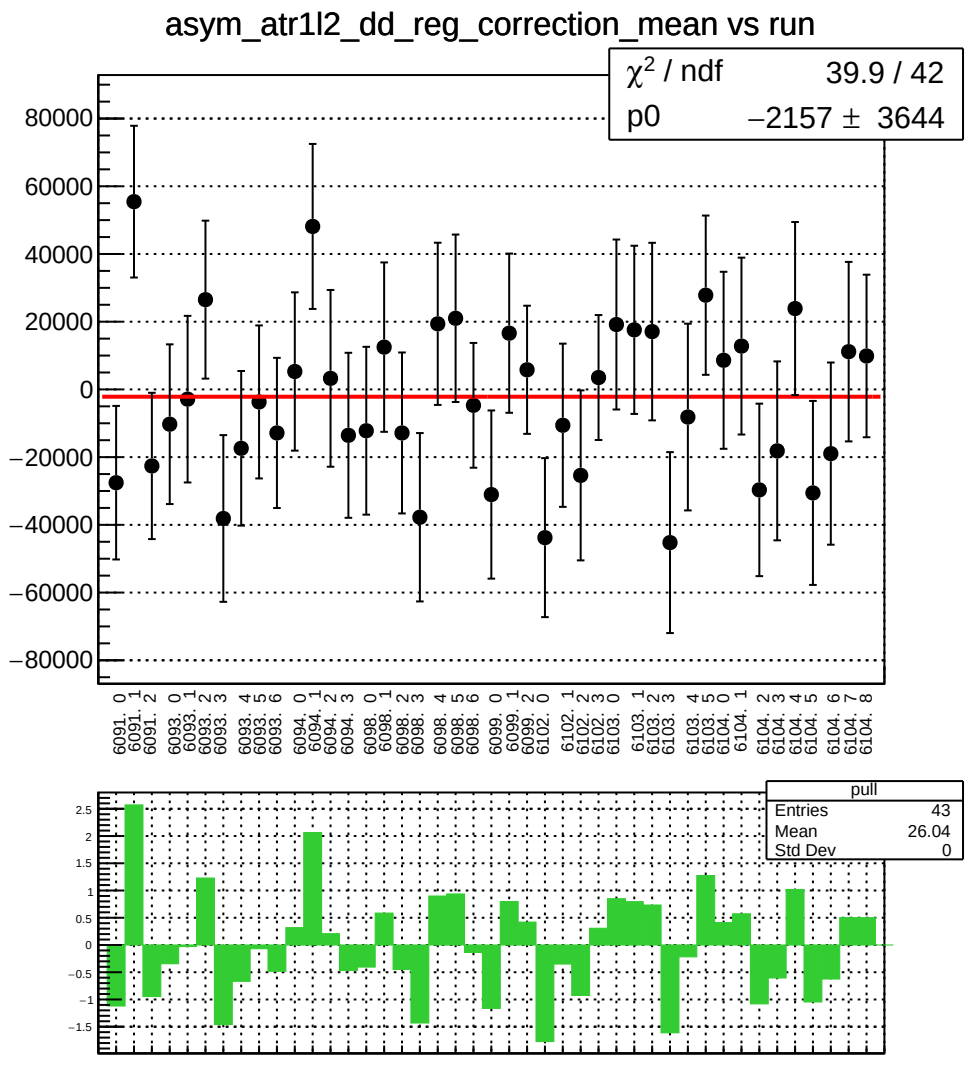

asym_atr1l2_avg_eigen_cor_vs_cor_diff_mean vs run
×10−12
χ2 / ndf 48.35 / 42
p0 2.763e−13 ± 1.617e−13
pull
Entries 43
Mean 24.19
Std Dev 14.61
pull1D
Entries 43
Mean −0.2291
Std Dev 1.035

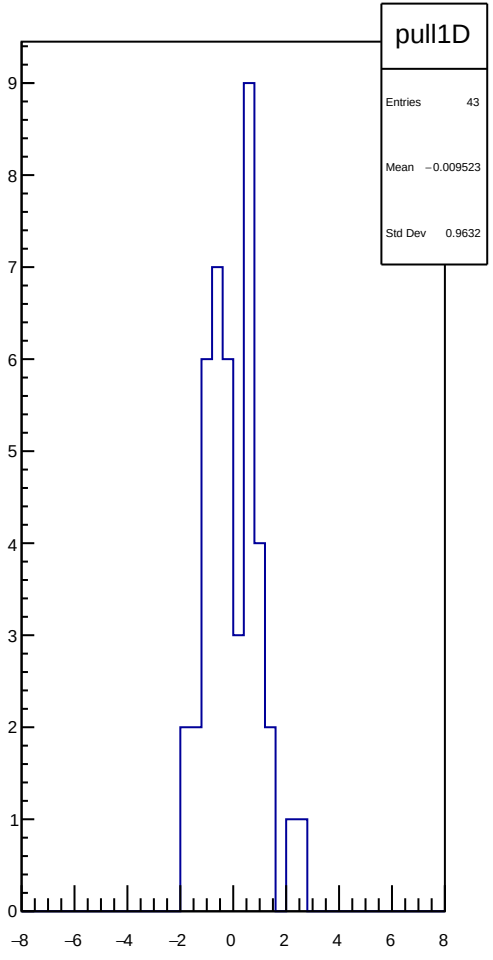

asym_atr1l2_avg_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 3.495e+05 / 42
p0 7.905e−11 ± 1.143e−13
0.6
0.5
0.4
0.3
0.2
0.1
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

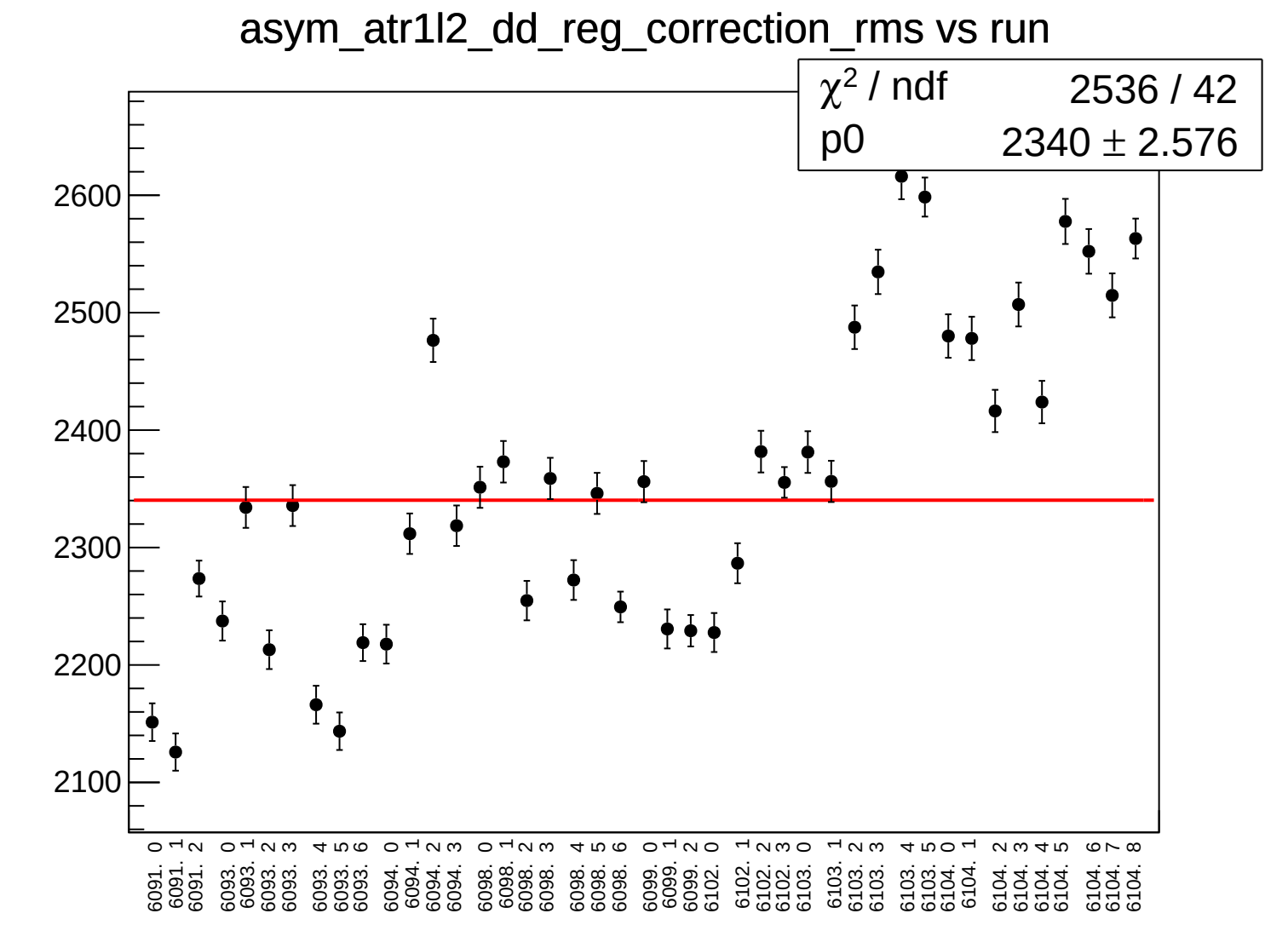

reg_asym_atr1l2_dd_mean vs run
χ² / ndf 35.08 / 42
p0 −539.3 ± 2645
60000
40000
20000
0
−20000
−40000
−60000
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean −668.8
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

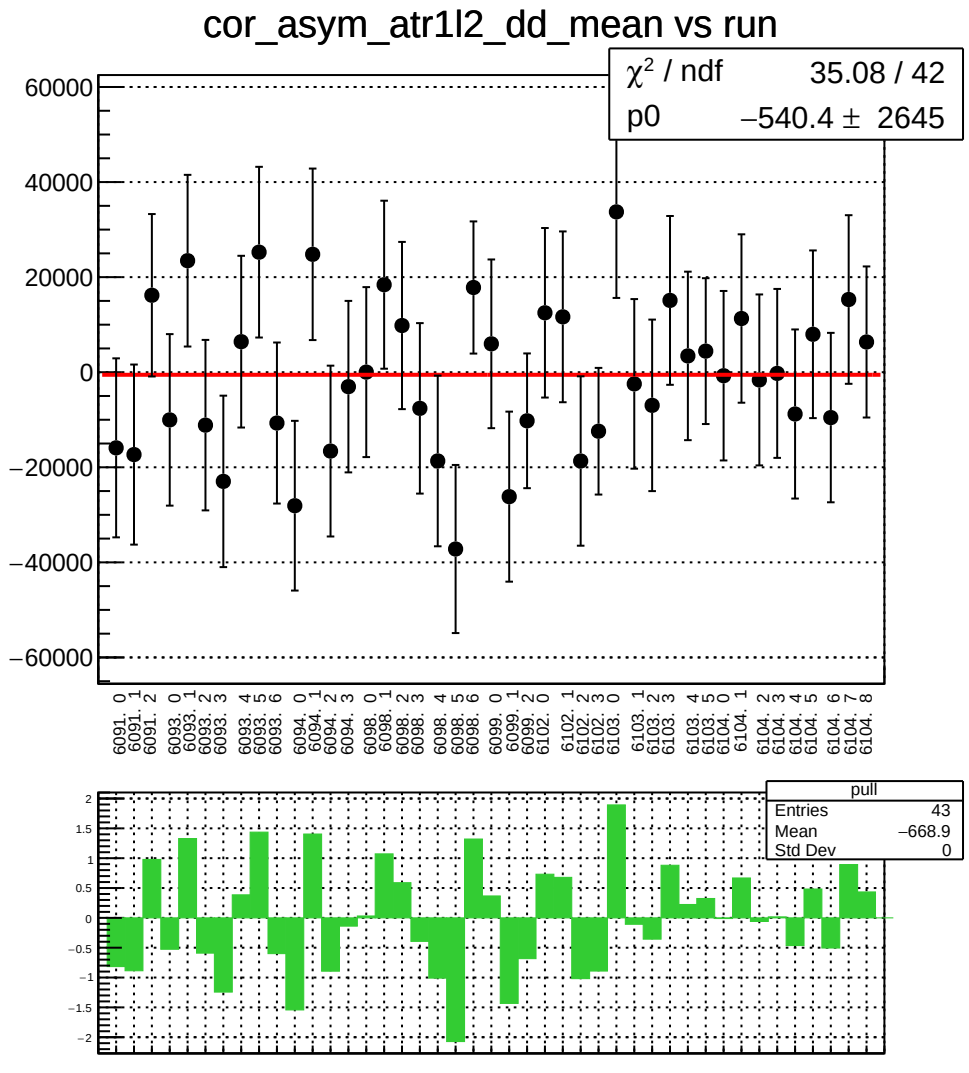

pull1D
Entries 43
Mean −0.002257
Std Dev 0.9032
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

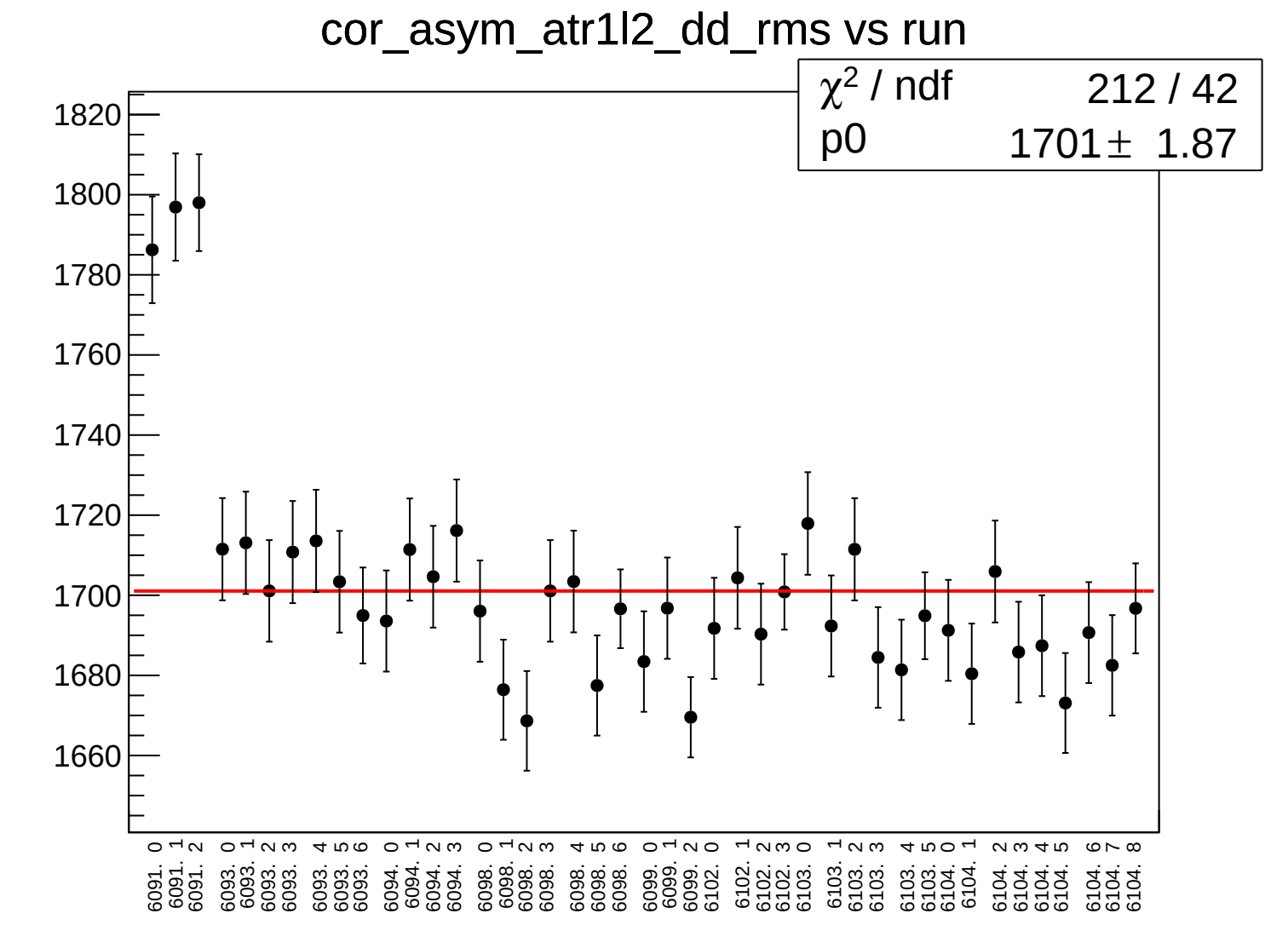

reg_asym_atr1l2_dd_rms vs run
χ² / ndf 212 / 42
p0 1701 ± 1.87
1820
1800
1780
1760
1740
1720
1700
1680
1660
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

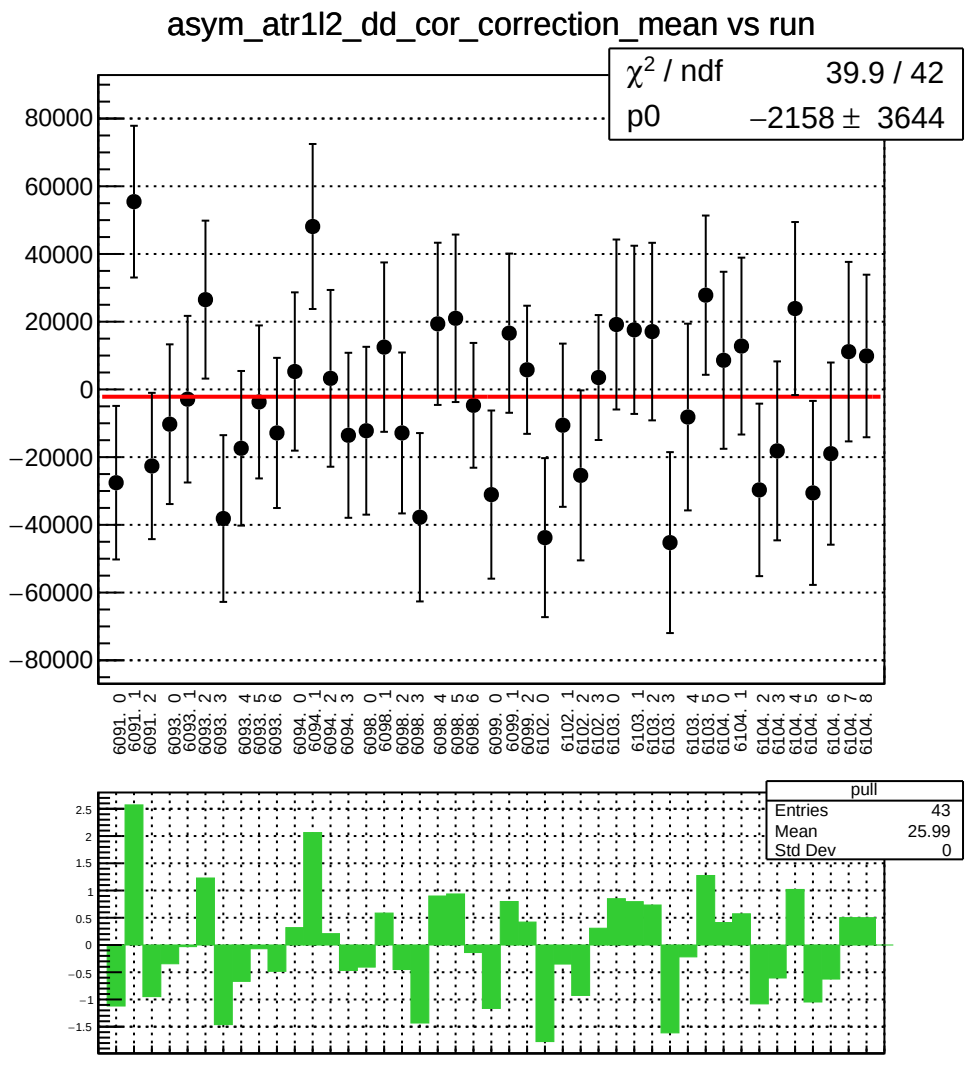

asym_atr1l2_dd_reg_correction_mean vs run
χ² / ndf 39.9 / 42
p0 −2157 ± 3644
80000
60000
40000
20000
0
−20000
−40000
−60000
−80000
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 26.04
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5

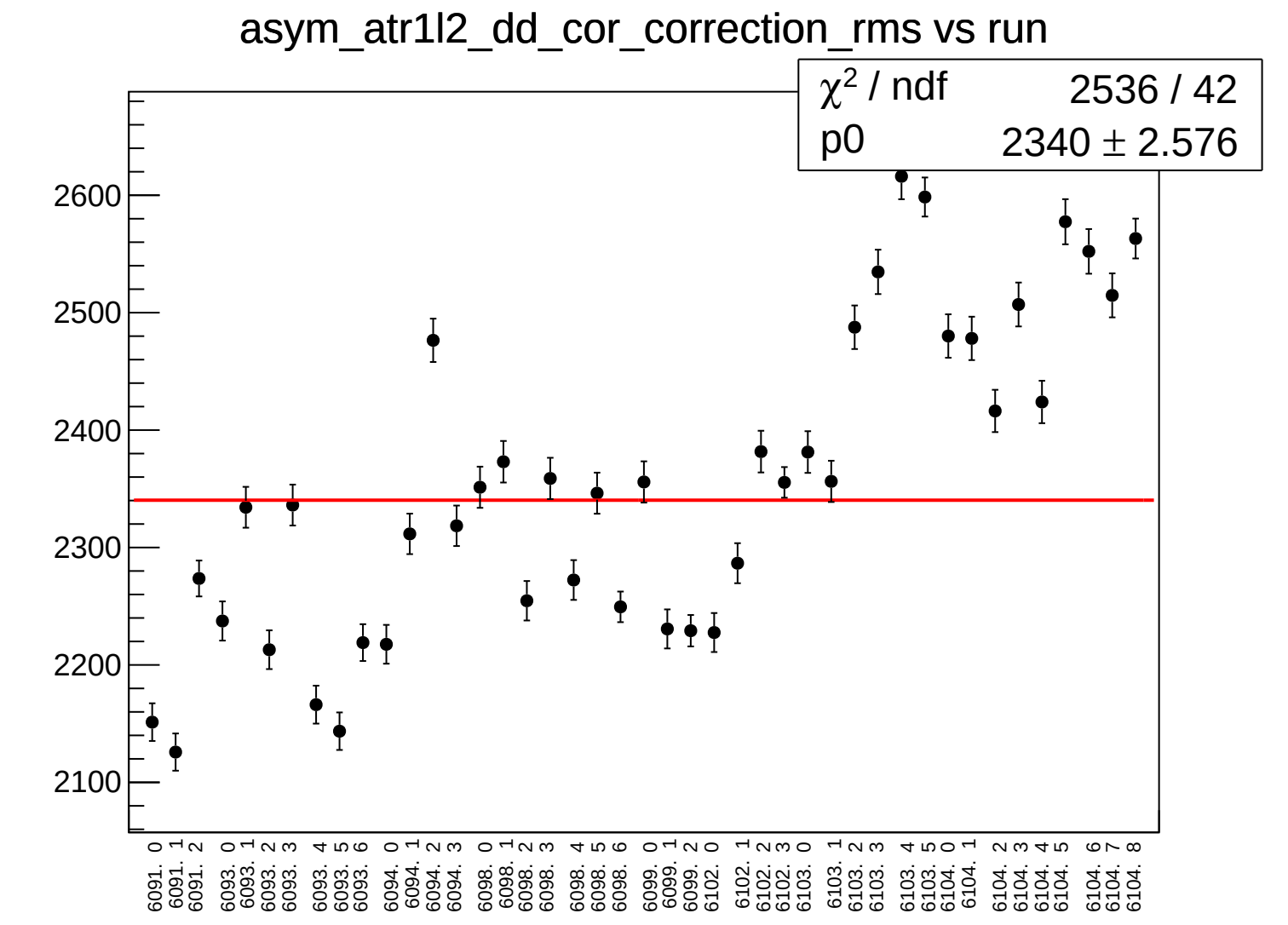

pull1D
Entries 43
Mean −0.009523
Std Dev 0.9632
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


asym_atr1l2_dd_reg_correction_rms vs run
χ² / ndf 2536 / 42
p0 2340 ± 2.576
2600
2500
2400
2300
2200
2100
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8


cor_asym_atr1l2_dd_mean vs run
χ² / ndf 35.08 / 42
p0 −540.4 ± 2645
60000
40000
20000
0
−20000
−40000
−60000
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean −668.9
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 43
Mean −0.002258
Std Dev 0.9032
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


cor_asym_atr1l2_dd_rms vs run
χ² / ndf 212 / 42
p0 1701 ± 1.87
1820
1800
1780
1760
1740
1720
1700
1680
1660
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8


asym_atr1l2_dd_cor_correction_mean vs run
χ² / ndf 39.9 / 42
p0 −2158 ± 3644
80000
60000
40000
20000
0
−20000
−40000
−60000
−80000
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 25.99
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 43
Mean −0.009526
Std Dev 0.9632
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 2536 / 42
p0 2340 ± 2.576
2600
2500
2400
2300
2200
2100
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
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6104. 2
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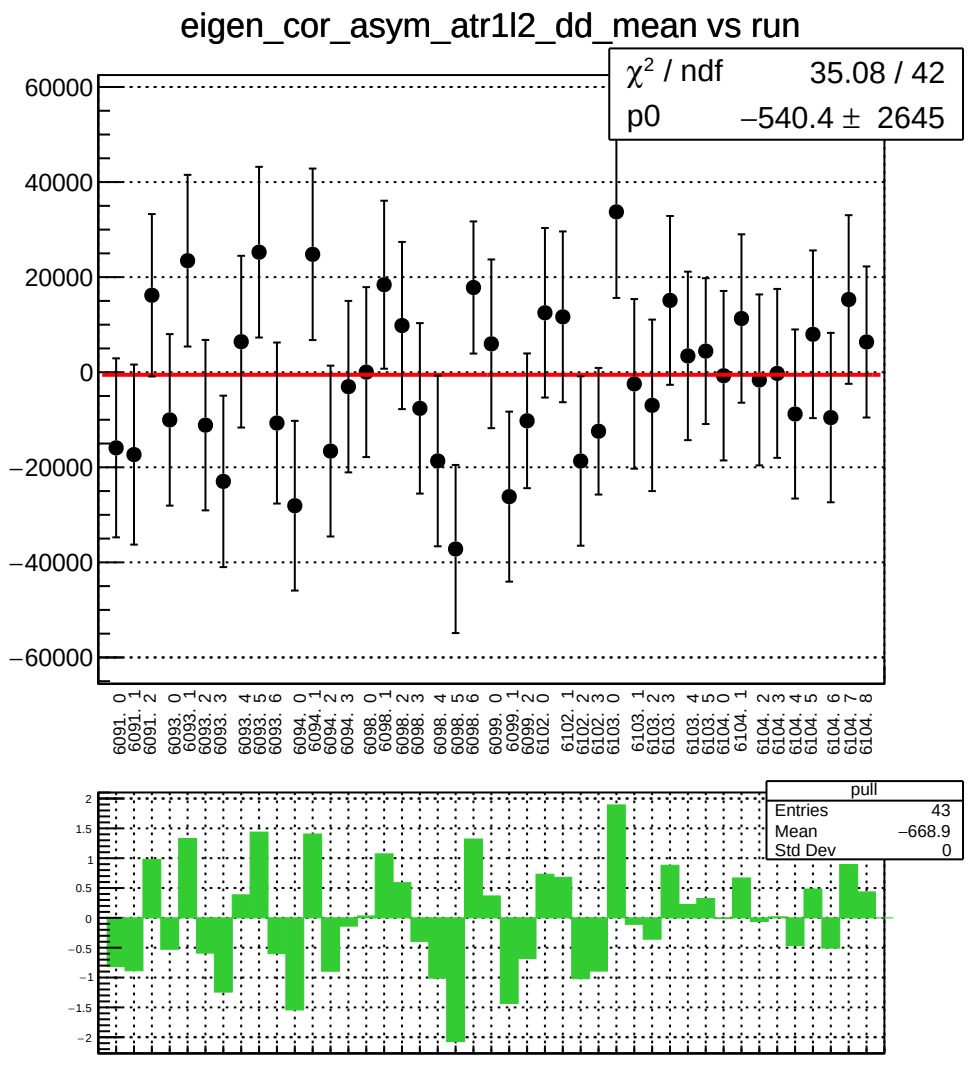
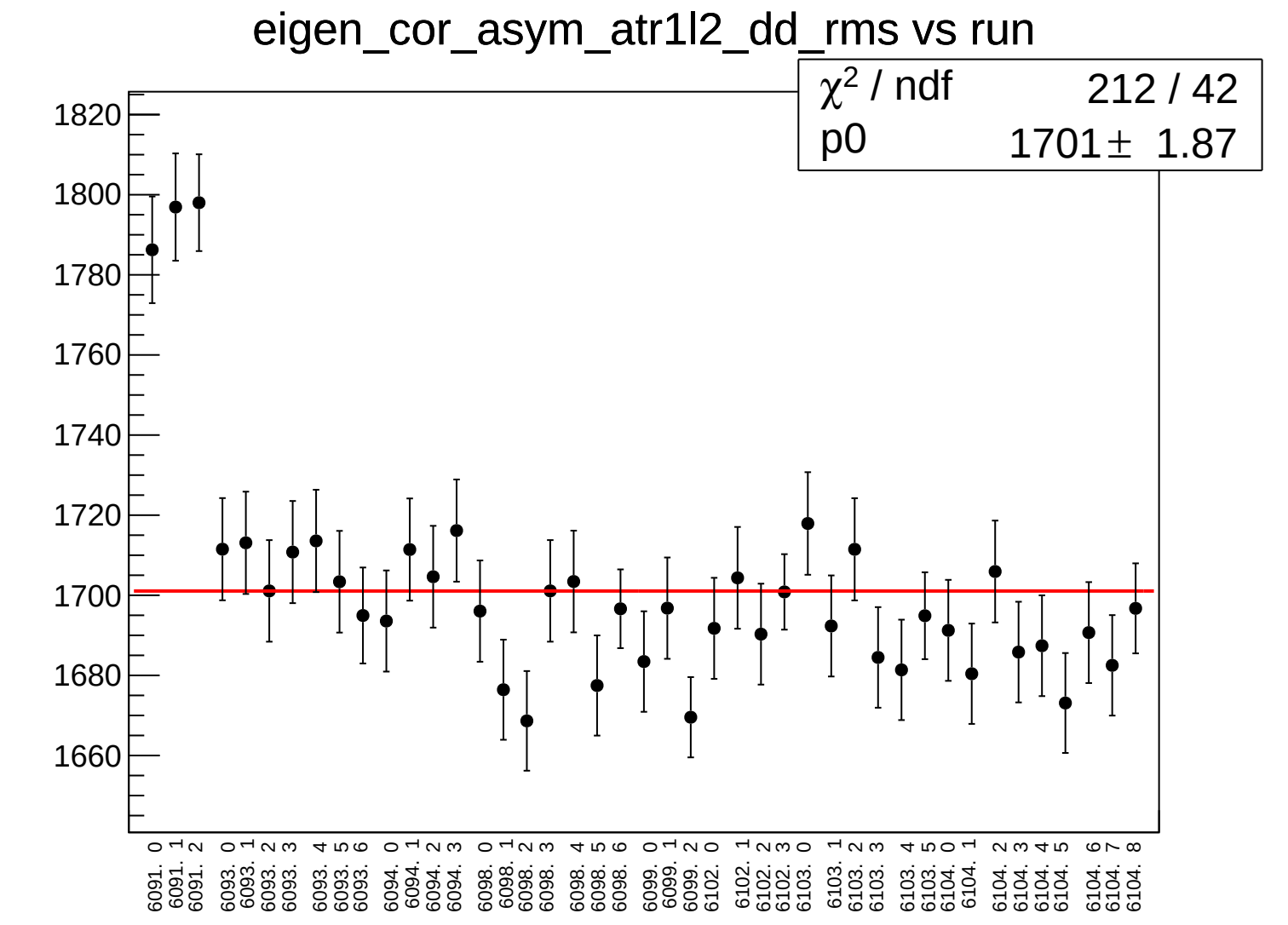
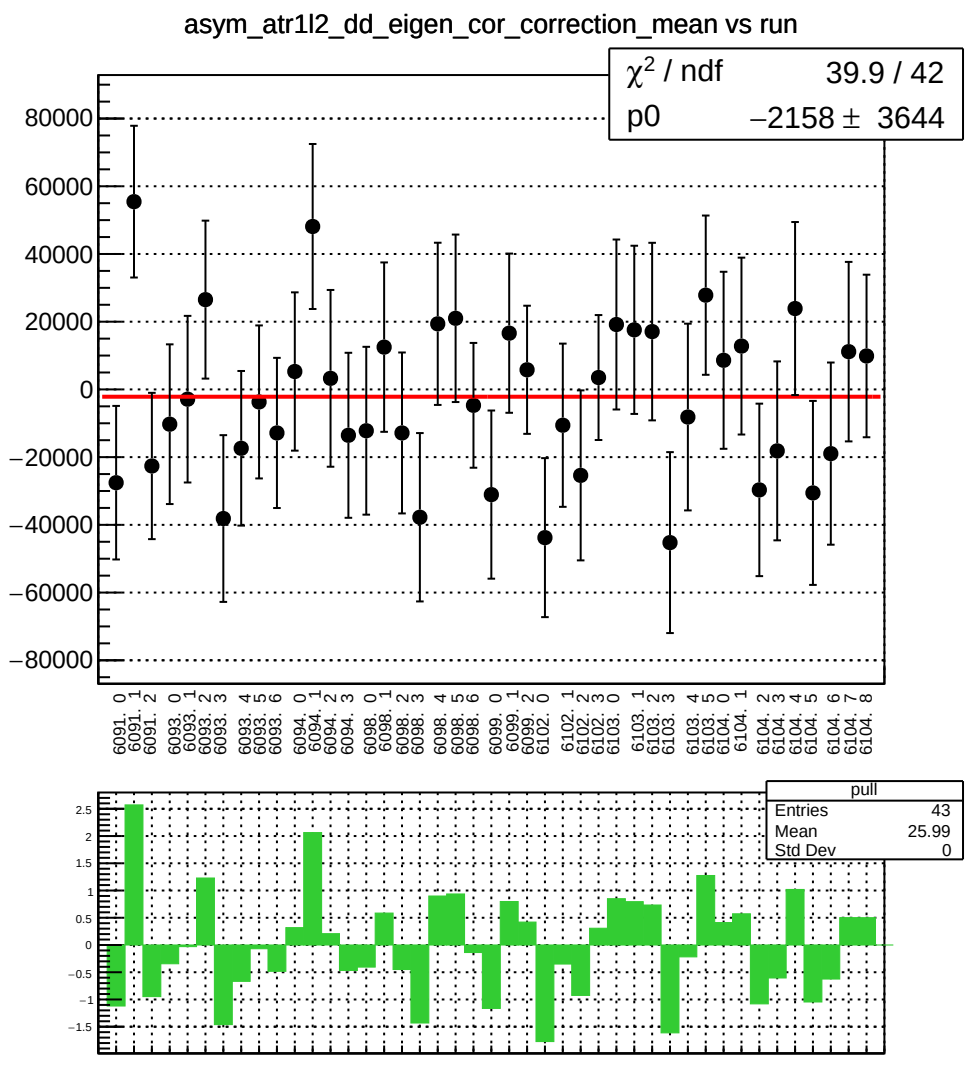
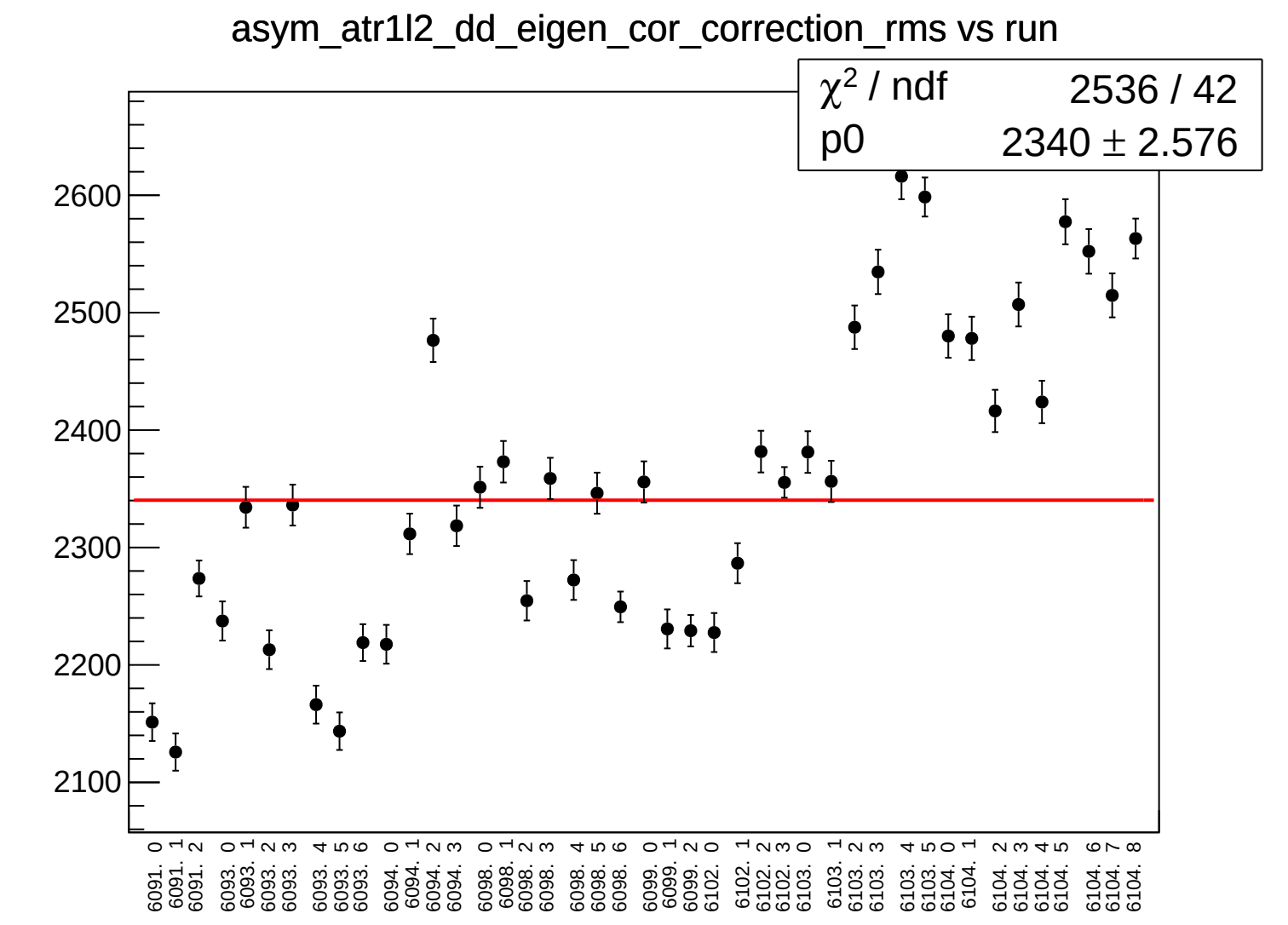
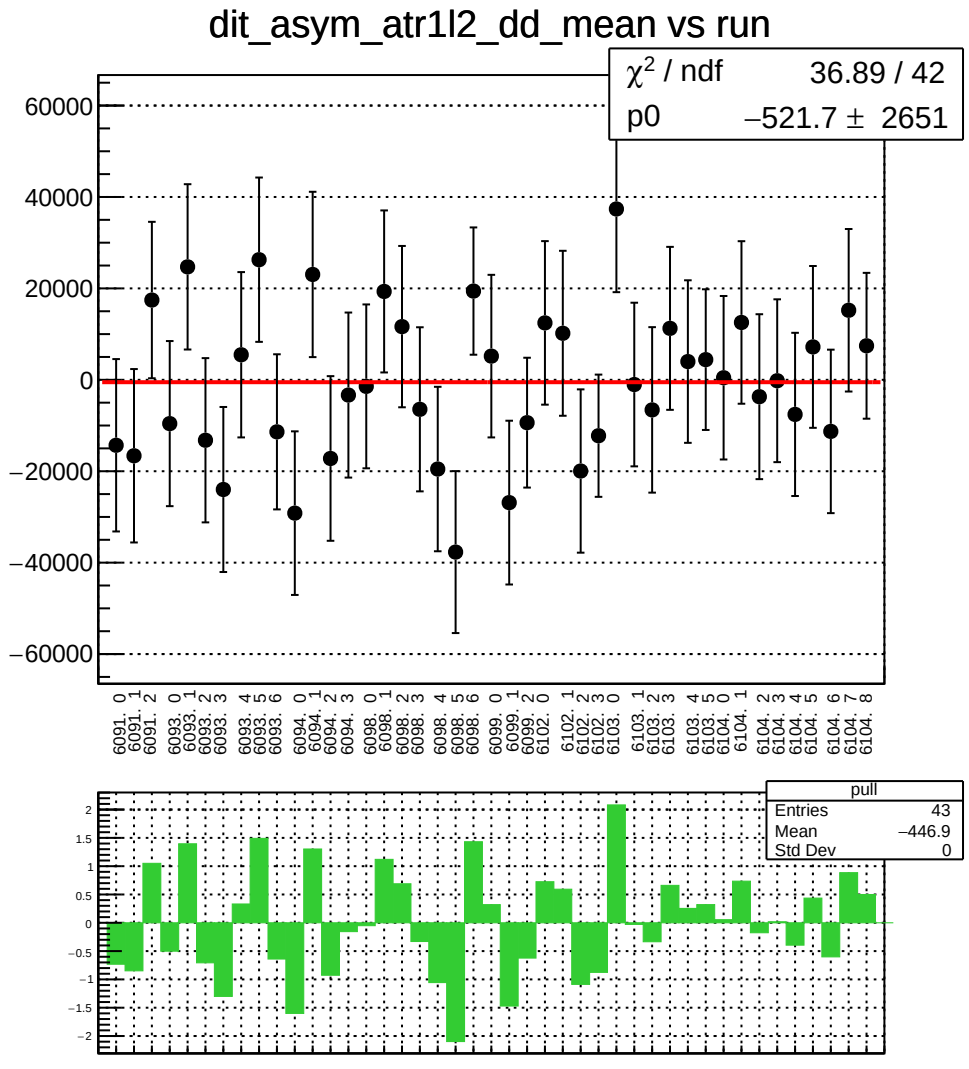
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

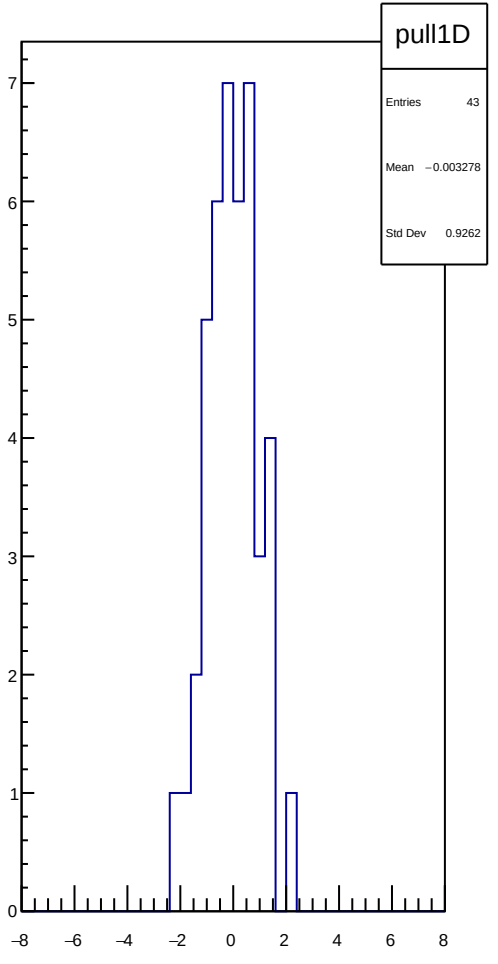

eigen_cor_asym_atr1l2_dd_mean vs run
χ² / ndf 35.08 / 42
p0 −540.4 ± 2645
60000
40000
20000
0
−20000
−40000
−60000
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean −668.9
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 43
Mean −0.002258
Std Dev 0.9032
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

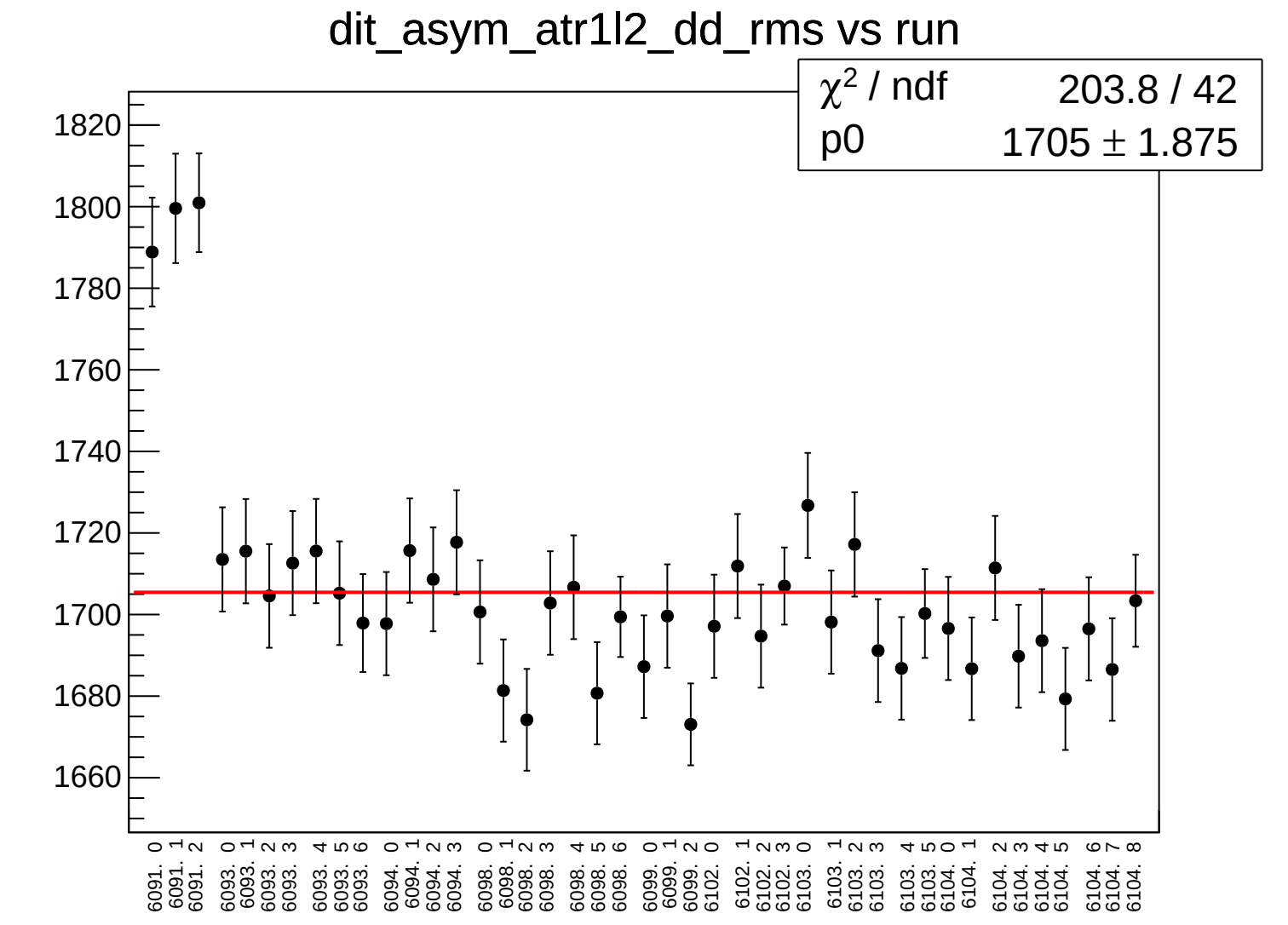

eigen_cor_asym_atr1l2_dd_rms vs run
χ² / ndf 212 / 42
p0 1701 ± 1.87
1820
1800
1780
1760
1740
1720
1700
1680
1660
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

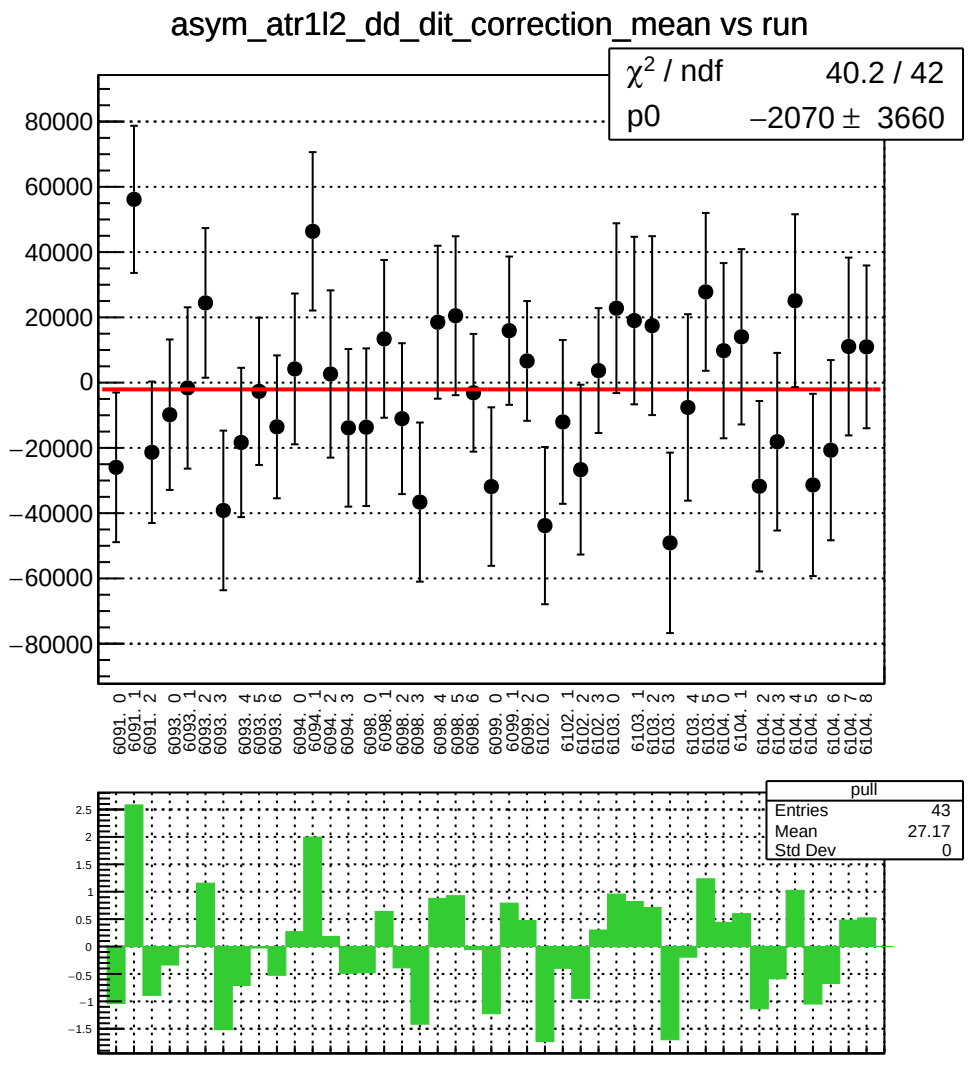

asym_atr1l2_dd_eigen_cor_correction_mean vs run
χ² / ndf 39.9 / 42
p0 −2158 ± 3644
80000
60000
40000
20000
0
−20000
−40000
−60000
−80000
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 25.99
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 43
Mean −0.009526
Std Dev 0.9632
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

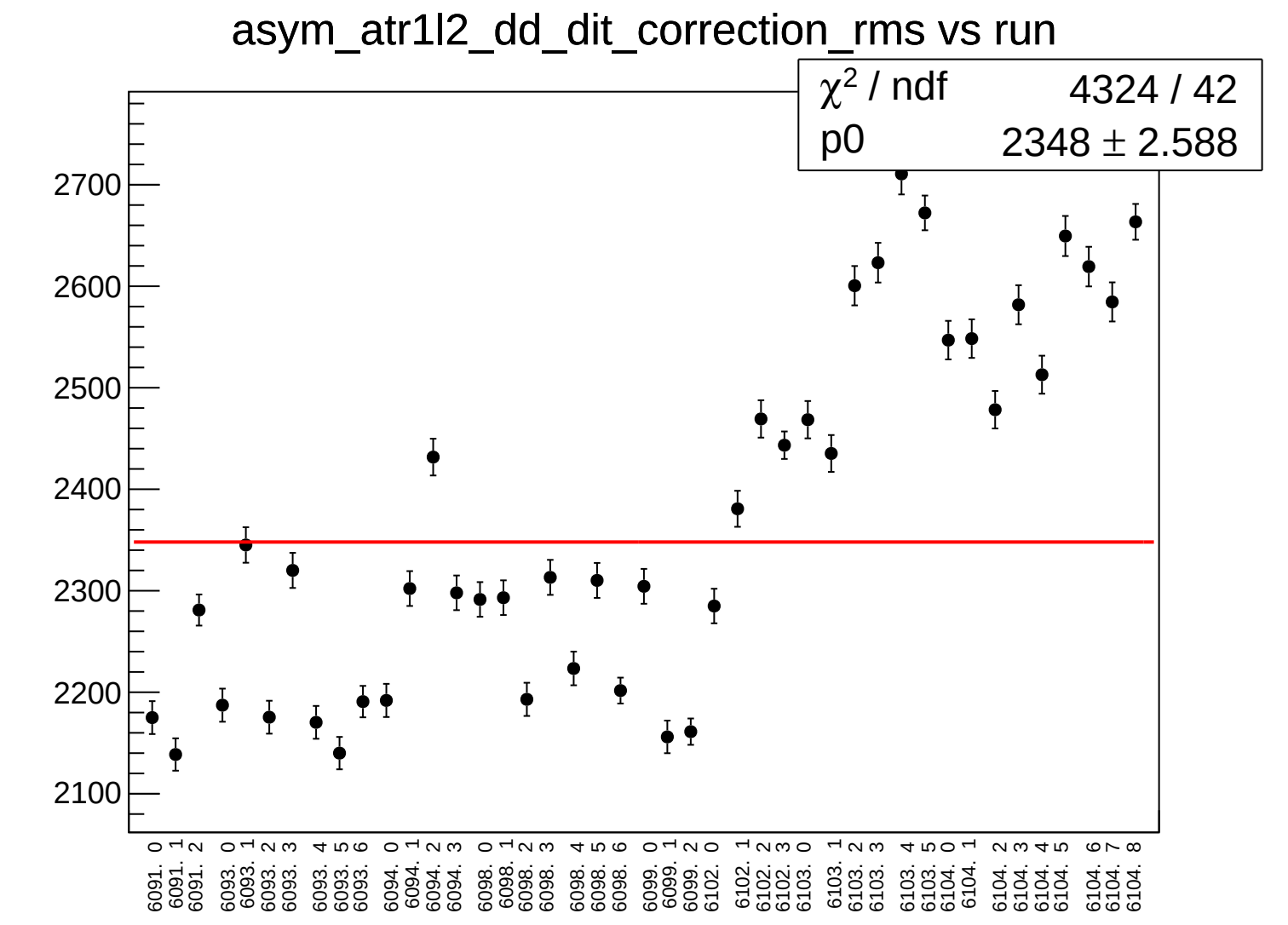

asym_atr1l2_dd_eigen_cor_correction_rms vs run
χ² / ndf 2536 / 42
p0 2340 ± 2.576
2600
2500
2400
2300
2200
2100
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

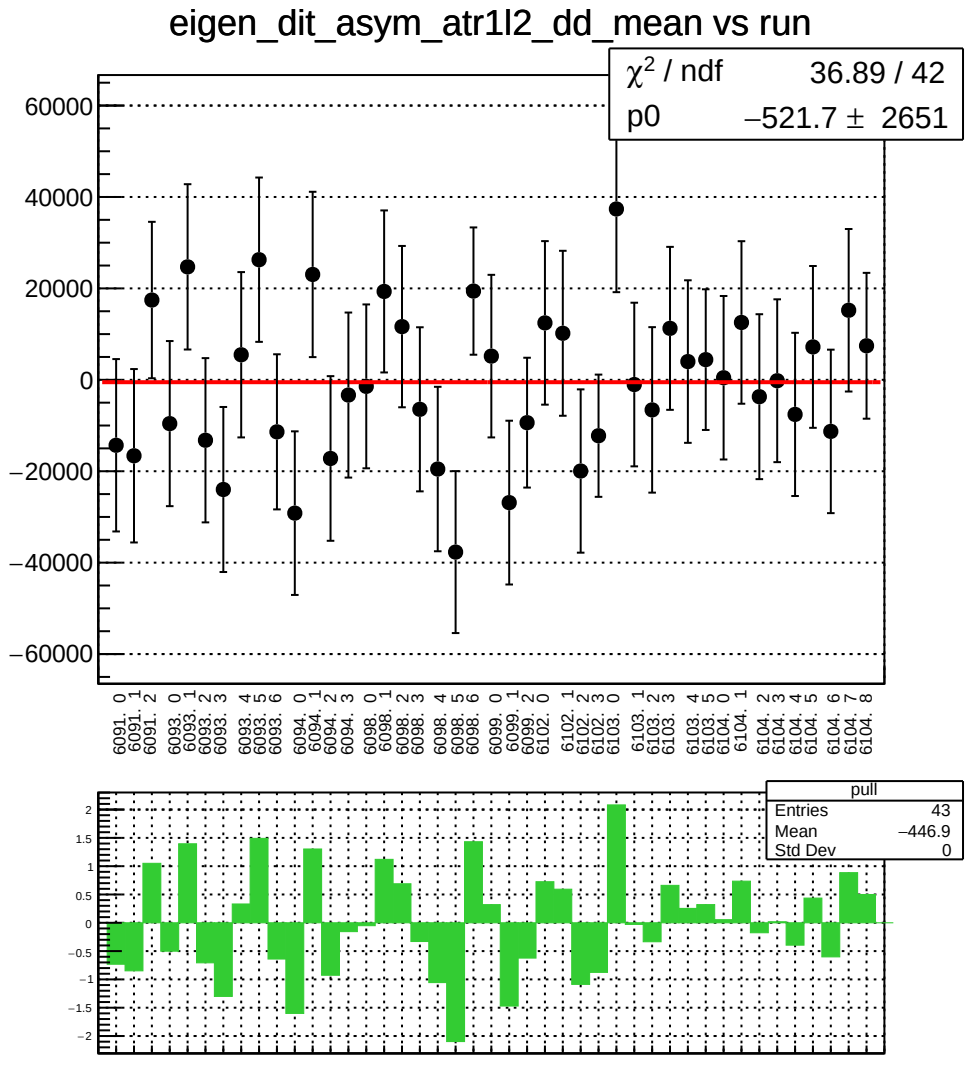

dit_asym_atr1l2_dd_mean vs run
χ² / ndf 36.89 / 42
p0 −521.7 ± 2651
60000
40000
20000
0
−20000
−40000
−60000
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean −446.9
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

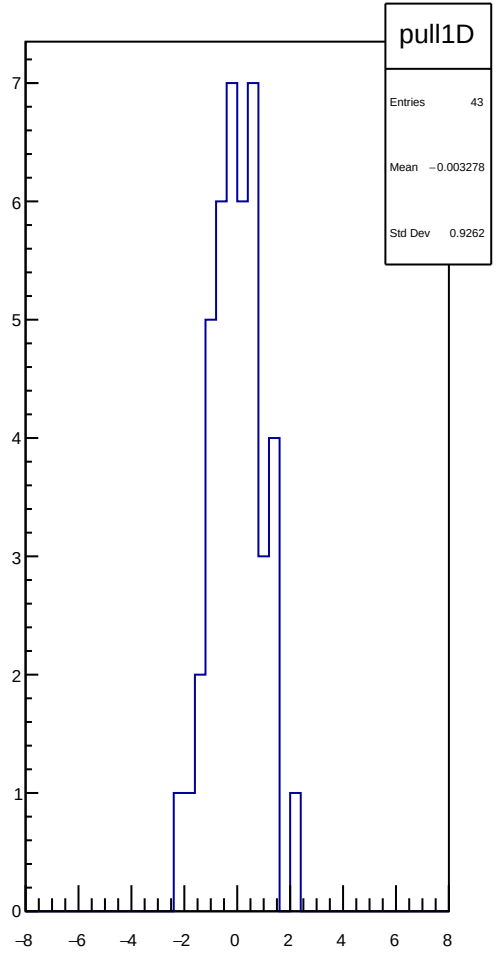

pull1D
Entries 43
Mean −0.003278
Std Dev 0.9262
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

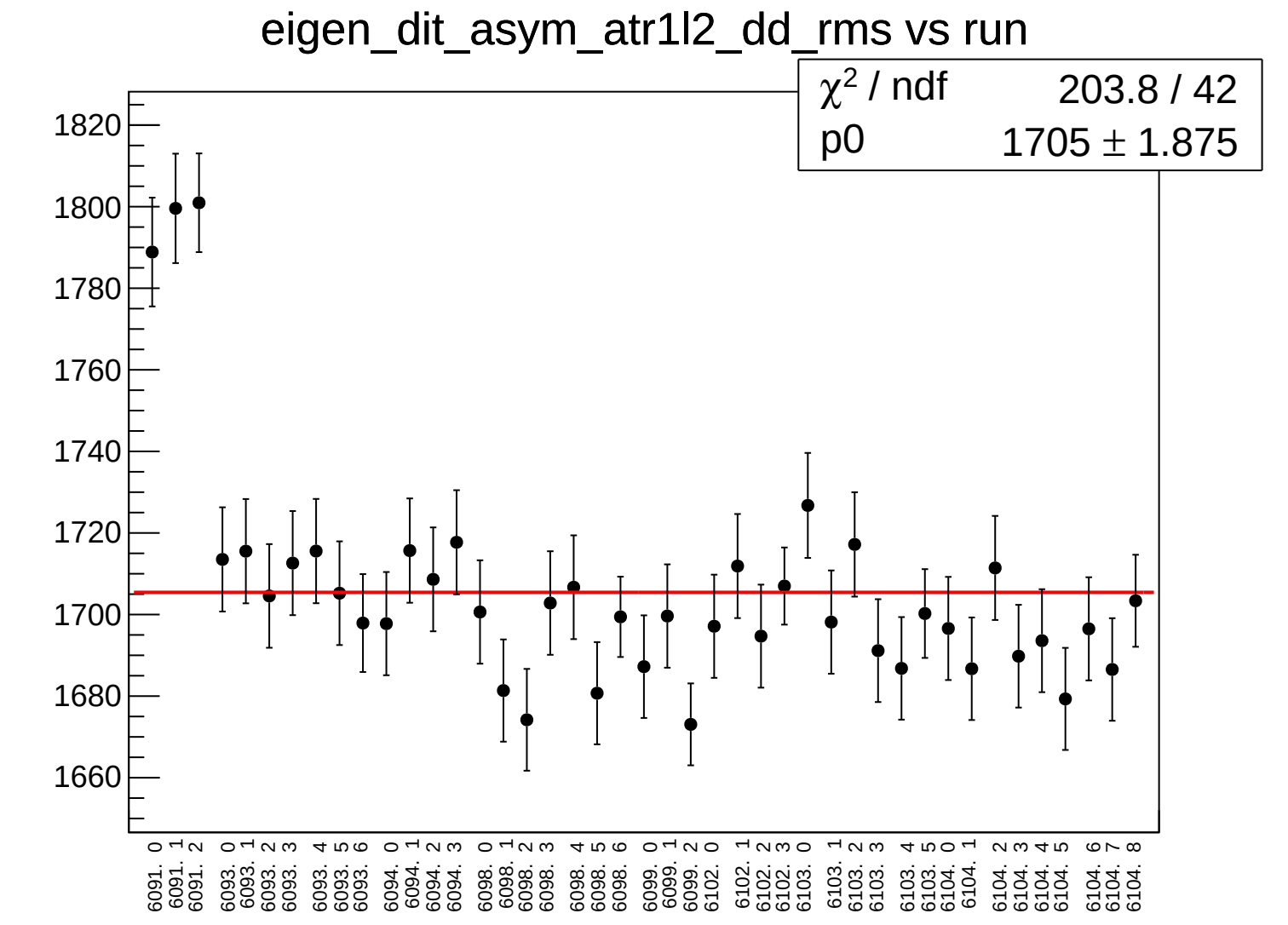

dit_asym_atr1l2_dd_rms vs run
χ² / ndf 203.8 / 42
p0 1705 ± 1.875
1820
1800
1780
1760
1740
1720
1700
1680
1660
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8


asym_atr1l2_dd_dit_correction_mean vs run
χ² / ndf 40.2 / 42
p0 −2070 ± 3660
80000
60000
40000
20000
0
−20000
−40000
−60000
−80000
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 27.17
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 43
Mean −0.01162
Std Dev 0.9669
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

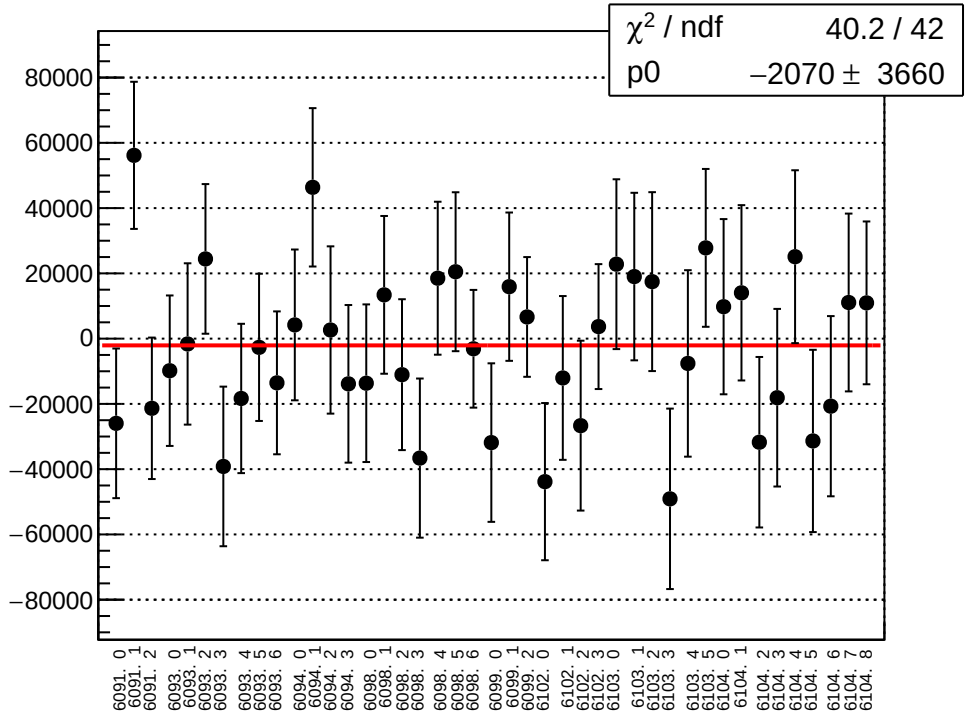

asym_atr1l2_dd_dit_correction_rms vs run
χ² / ndf 4324 / 42
p0 2348 ± 2.588
2700
2600
2500
2400
2300
2200
2100
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

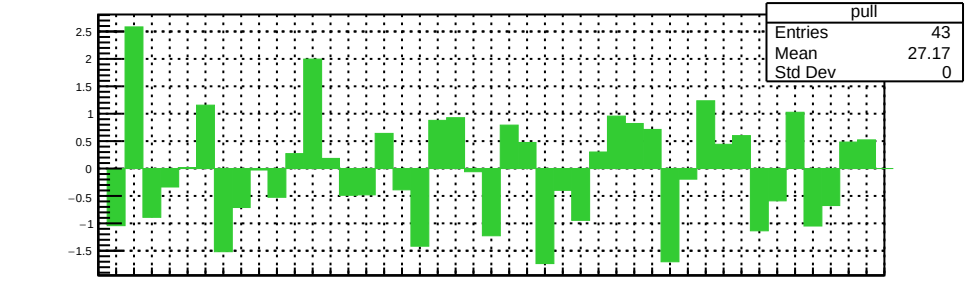

eigen_dit_asym_atr1l2_dd_mean vs run
χ² / ndf 36.89 / 42
p0 −521.7 ± 2651
60000
40000
20000
0
−20000
−40000
−60000
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean −446.9
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

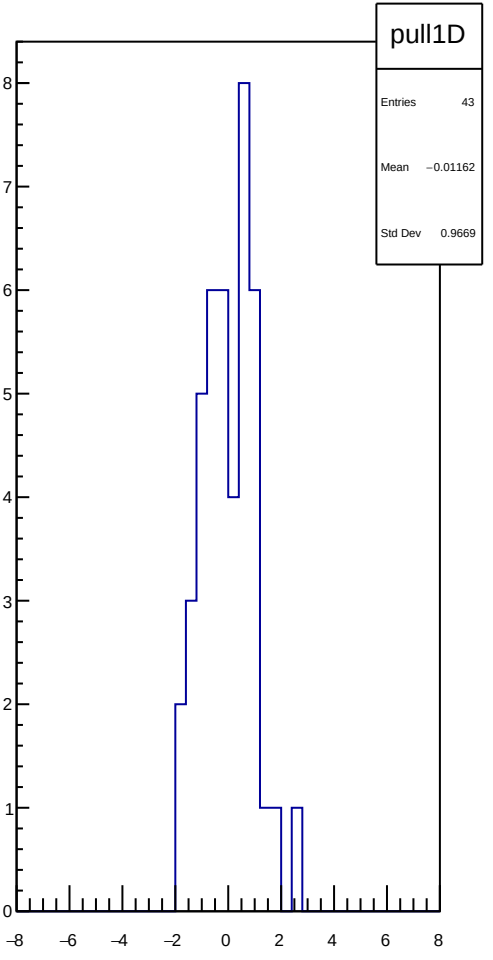

pull1D
Entries 43
Mean −0.003278
Std Dev 0.9262
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

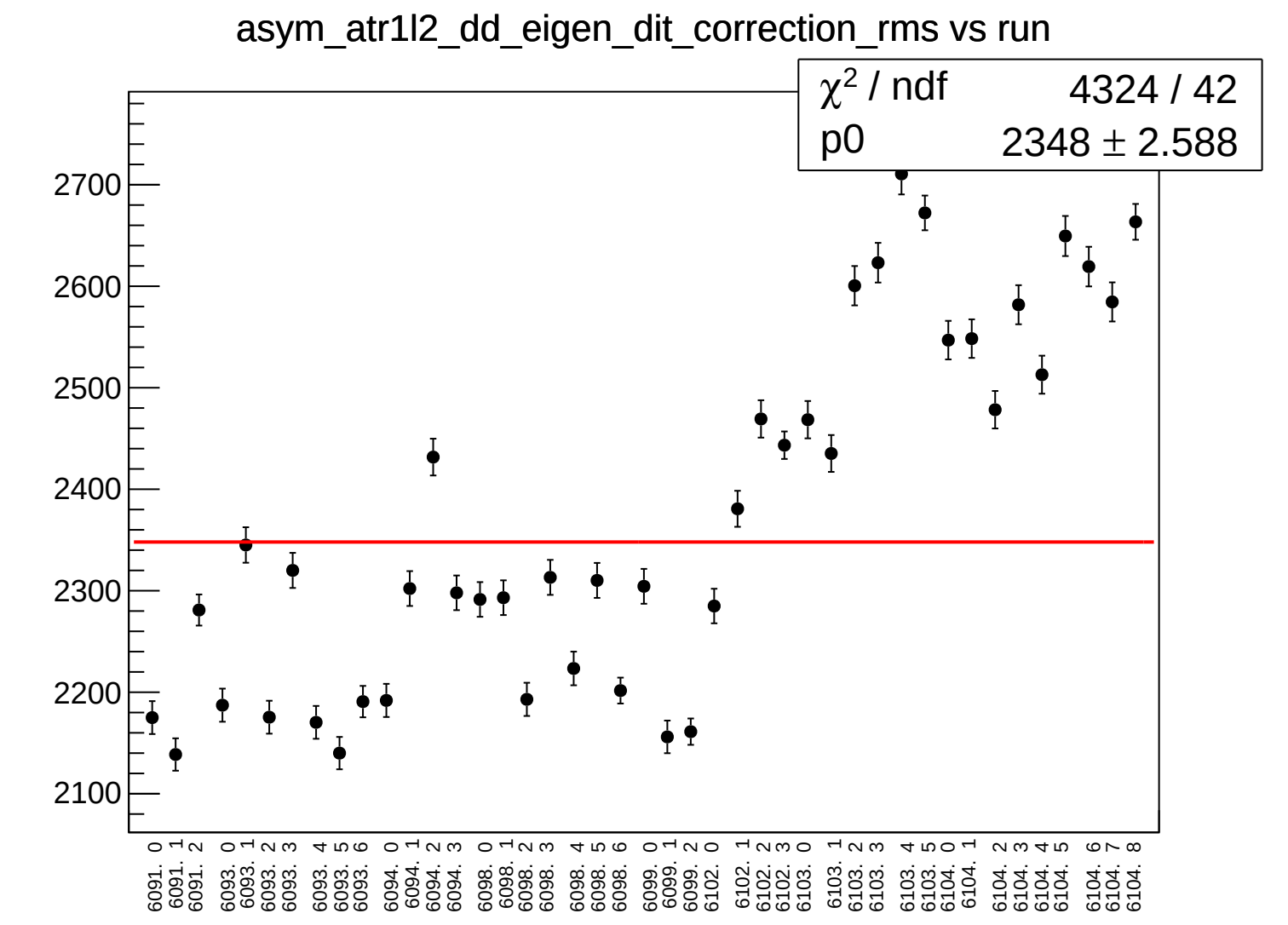

eigen_dit_asym_atr1l2_dd_rms vs run
χ² / ndf 203.8 / 42
p0 1705 ± 1.875
1820
1800
1780
1760
1740
1720
1700
1680
1660
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

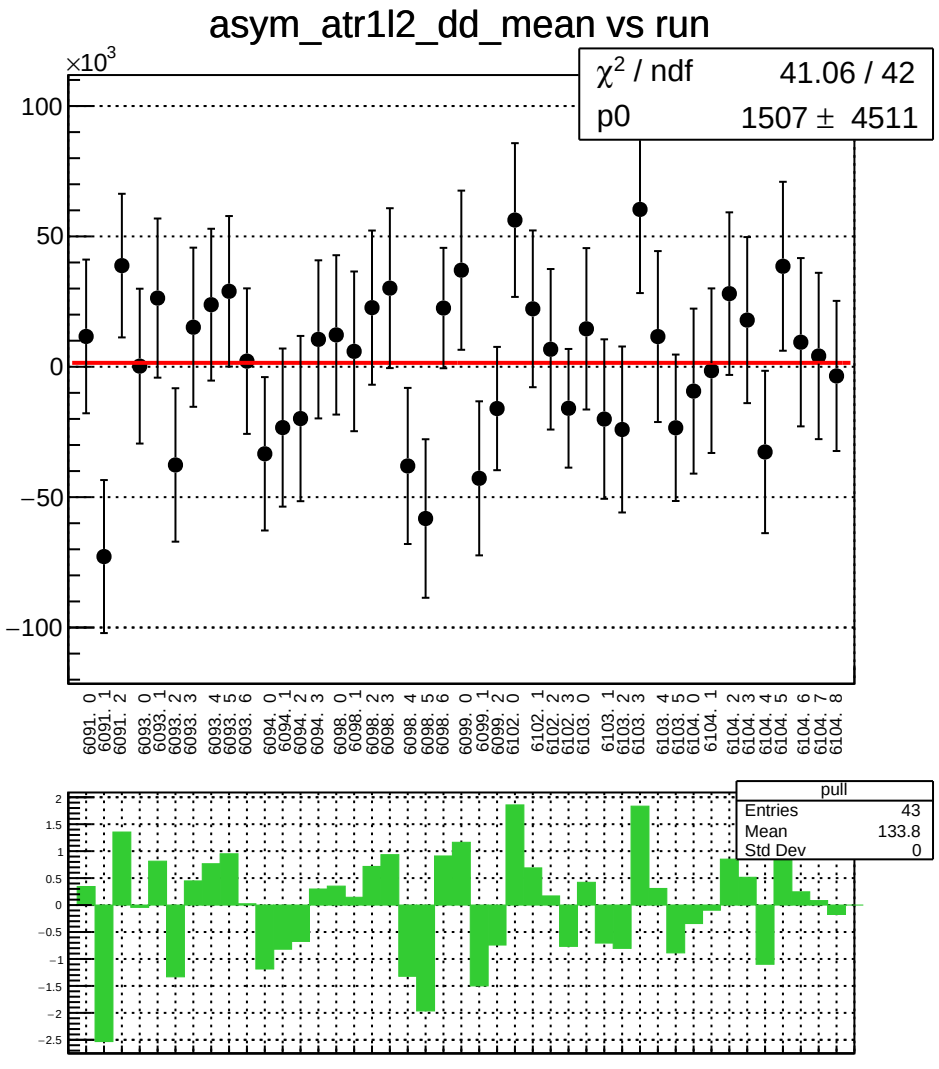
asym_atr1l2_dd_eigen_dit_correction_mean vs run

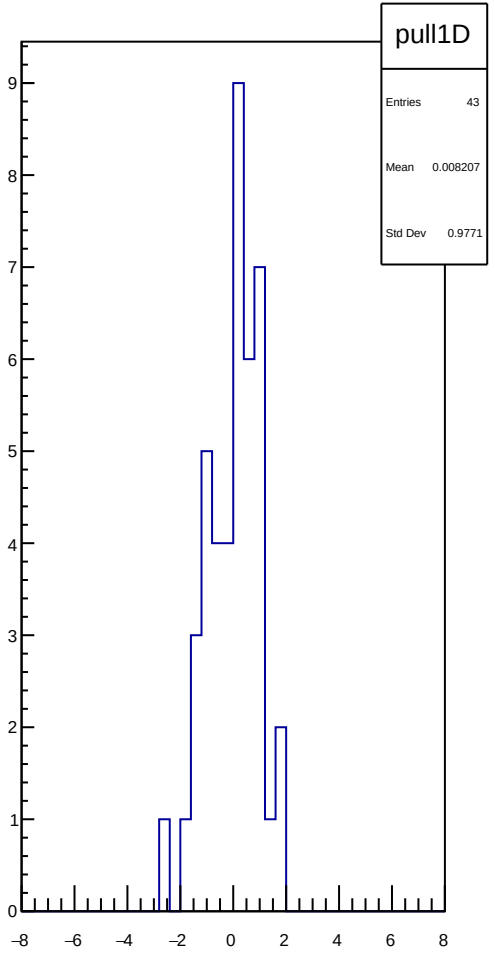


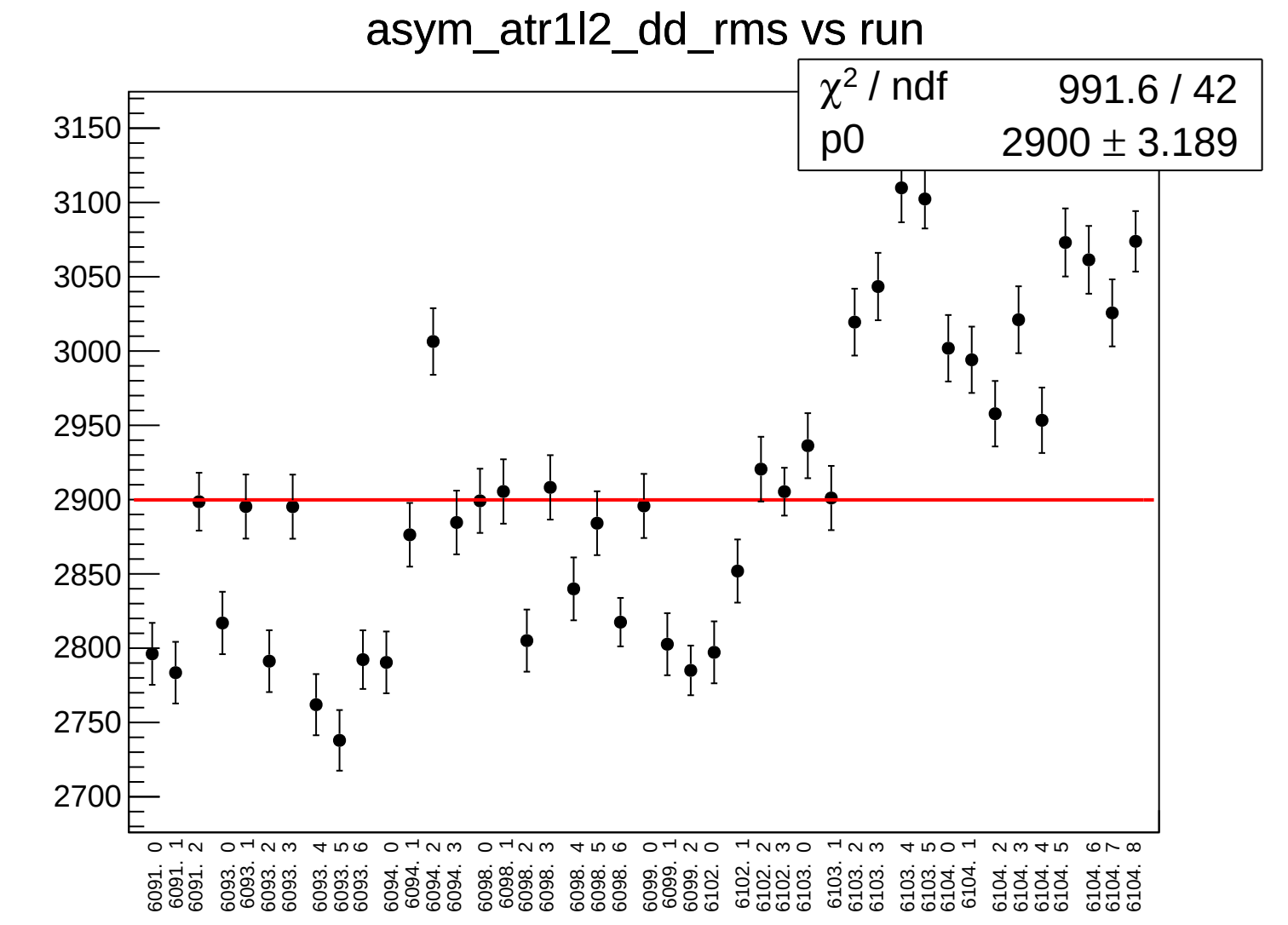


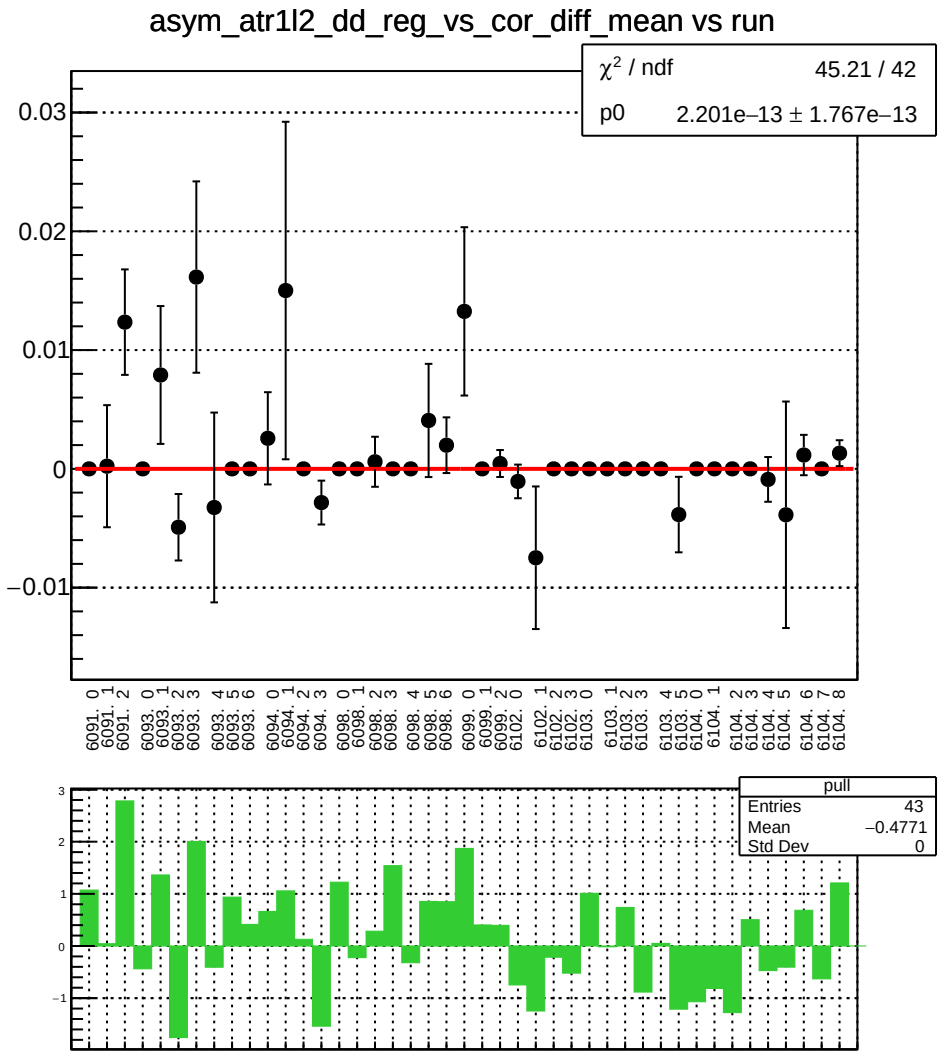


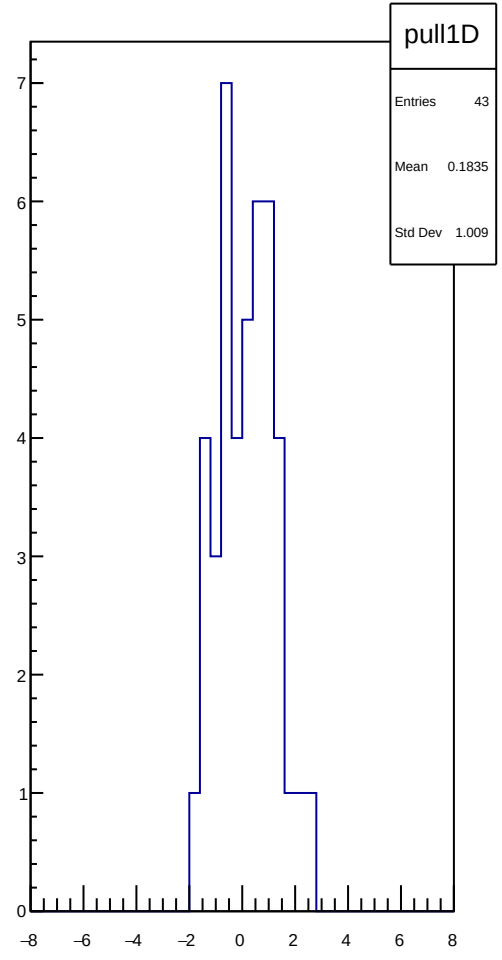

asym_atr1l2_dd_eigen_dit_correction_rms vs run
χ² / ndf 4324 / 42
p0 2348 ± 2.588
2700
2600
2500
2400
2300
2200
2100
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

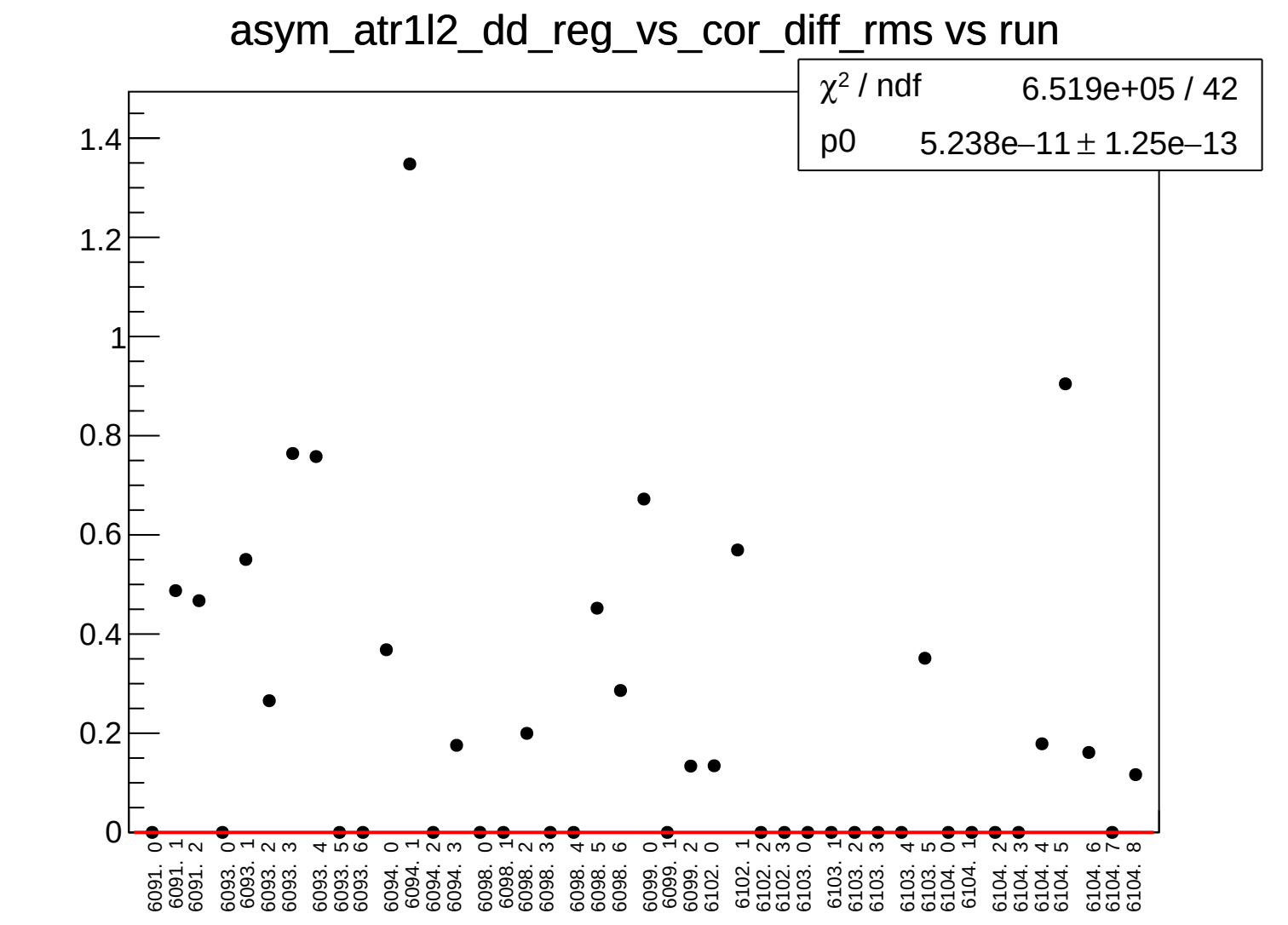

asym_atr1l2_dd_mean vs run
×10^3
χ² / ndf 41.06 / 42
p0 1507 ± 4511
100
50
0
−50
−100
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 133.8
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

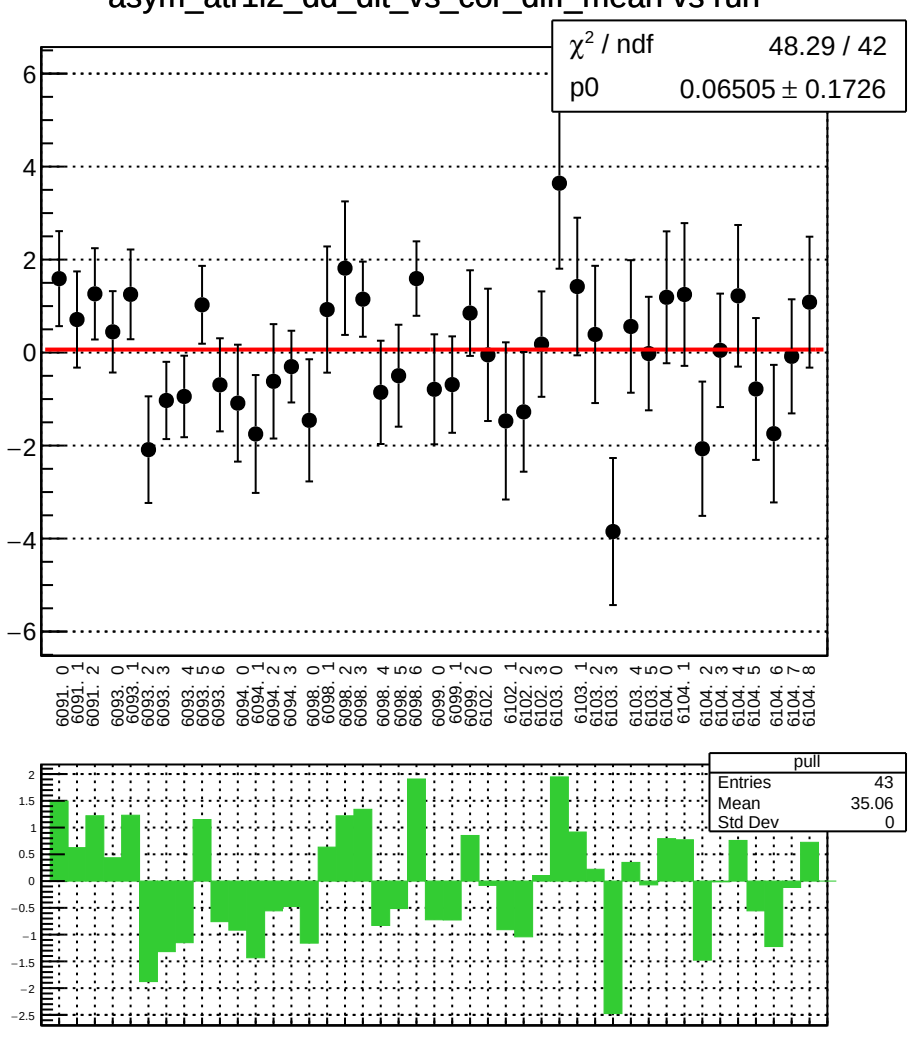

pull1D
Entries 43
Mean 0.008207
Std Dev 0.9771
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

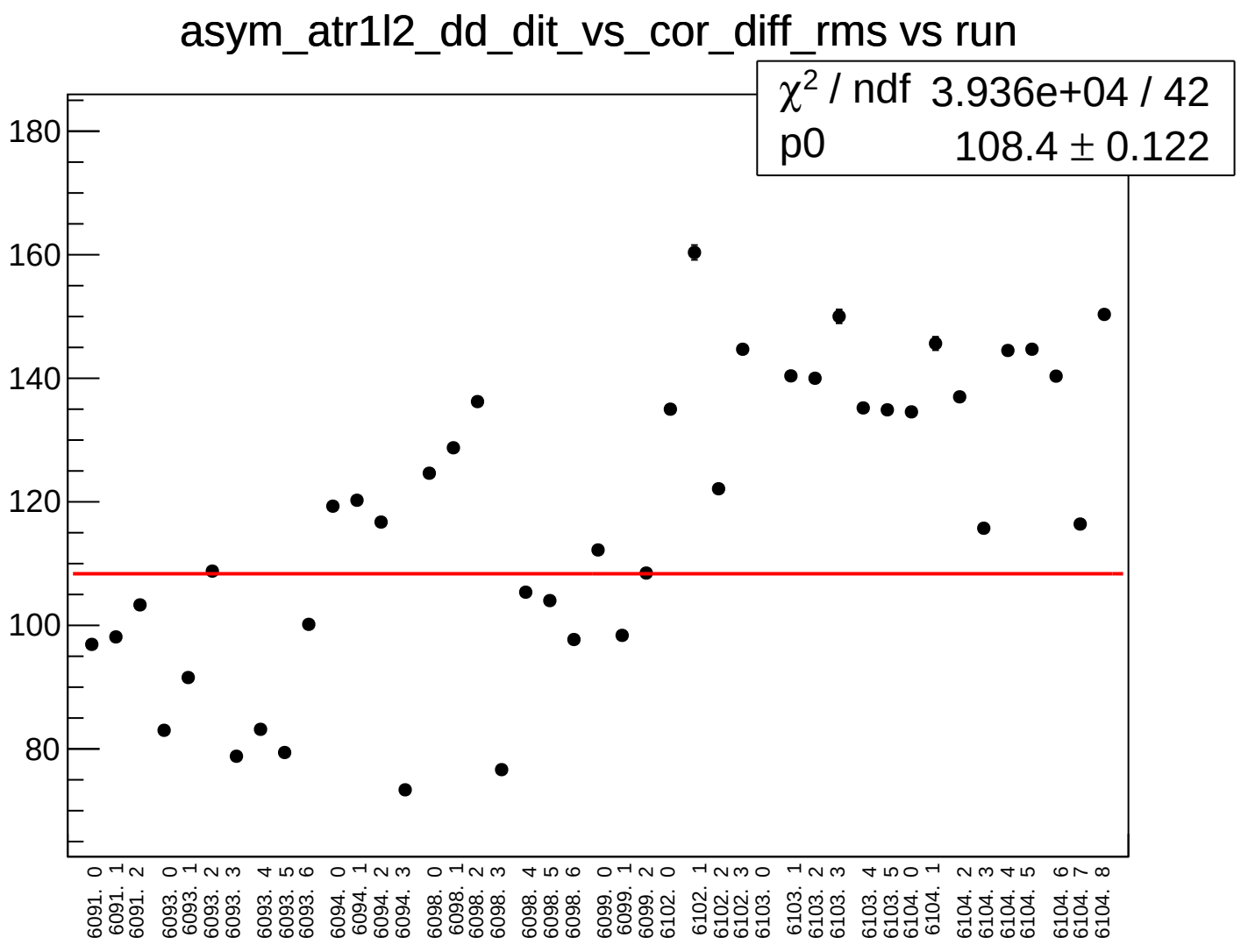

asym_atr1l2_dd_rms vs run
χ² / ndf 991.6 / 42
p0 2900 ± 3.189
3150
3100
3050
3000
2950
2900
2850
2800
2750
2700
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8


asym_atr1l2_dd_reg_vs_cor_diff_mean vs run
χ² / ndf 45.21 / 42
p0 2.201e−13 ± 1.767e−13
0.03
0.02
0.01
0
−0.01
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean −0.4771
Std Dev 0
3
2
1
0
−1

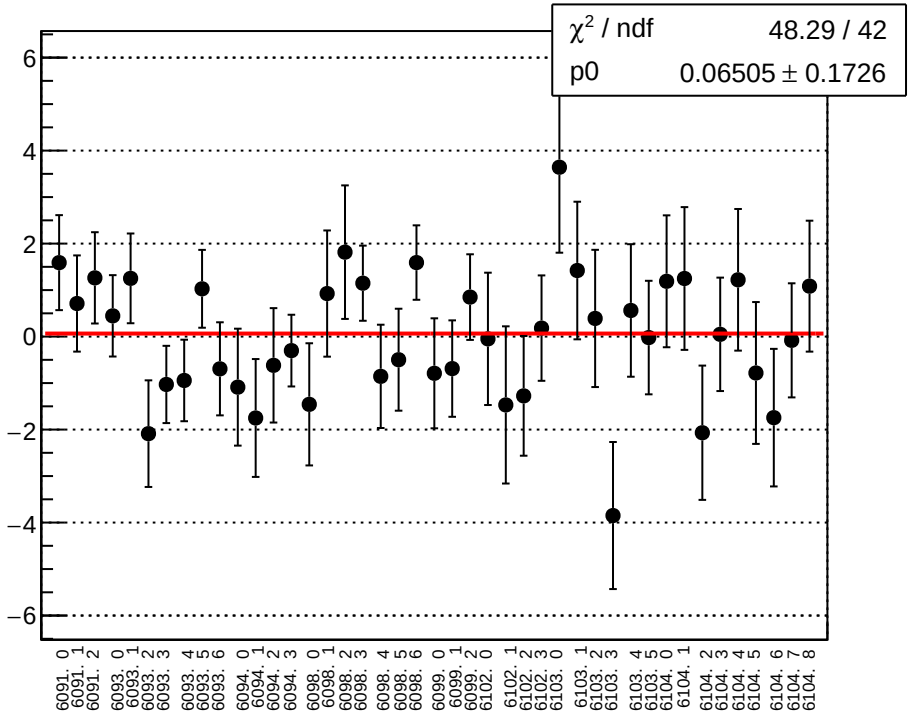

pull1D
Entries 43
Mean 0.1835
Std Dev 1.009
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

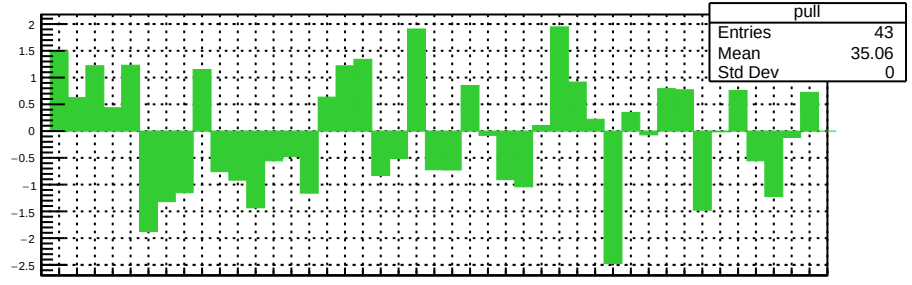

asym_atr1l2_dd_reg_vs_cor_diff_rms vs run
χ² / ndf 6.519e+05 / 42
p0 5.238e−11 ± 1.25e−13
1.4
1.2
1
0.8
0.6
0.4
0.2
0
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

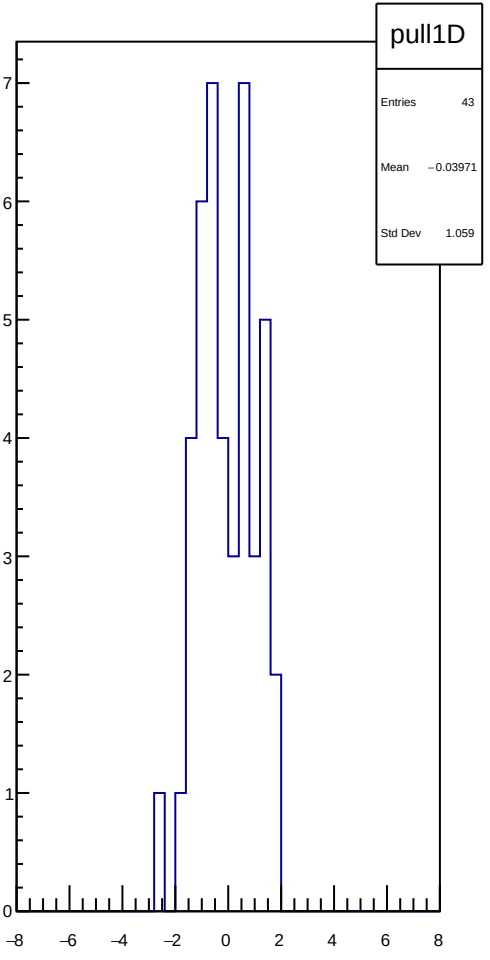

asym_atr1l2_dd_dit_vs_cor_diff_mean vs run
χ² / ndf 48.29 / 42
p0 0.06505 ± 0.1726
pull
Entries 43
Mean 35.06
Std Dev 0
pull1D
Entries 43
Mean −0.03971
Std Dev 1.059

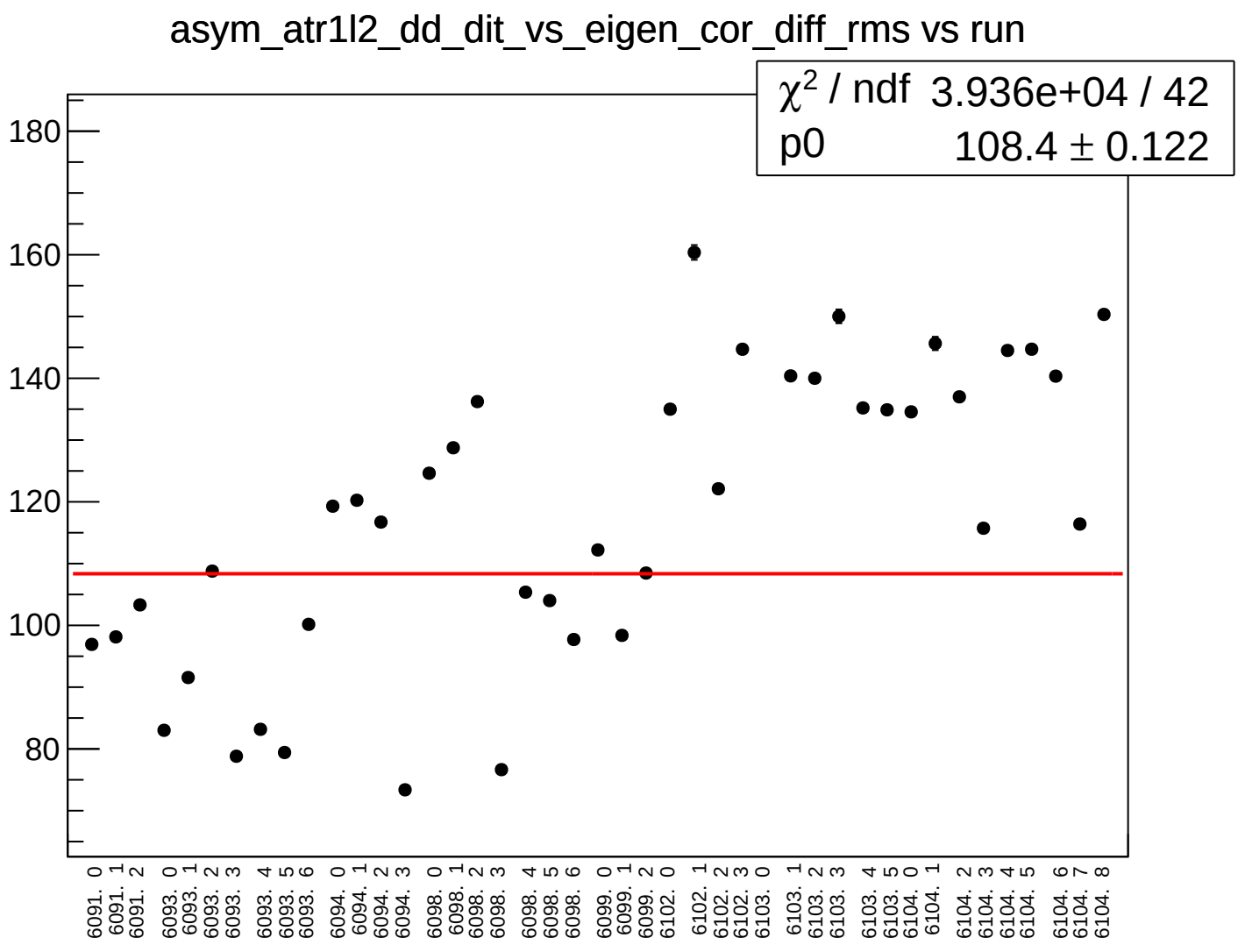

asym_atr1l2_dd_dit_vs_cor_diff_rms vs run
χ² / ndf 3.936e+04 / 42
p0 108.4 ± 0.122
180
160
140
120
100
80
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

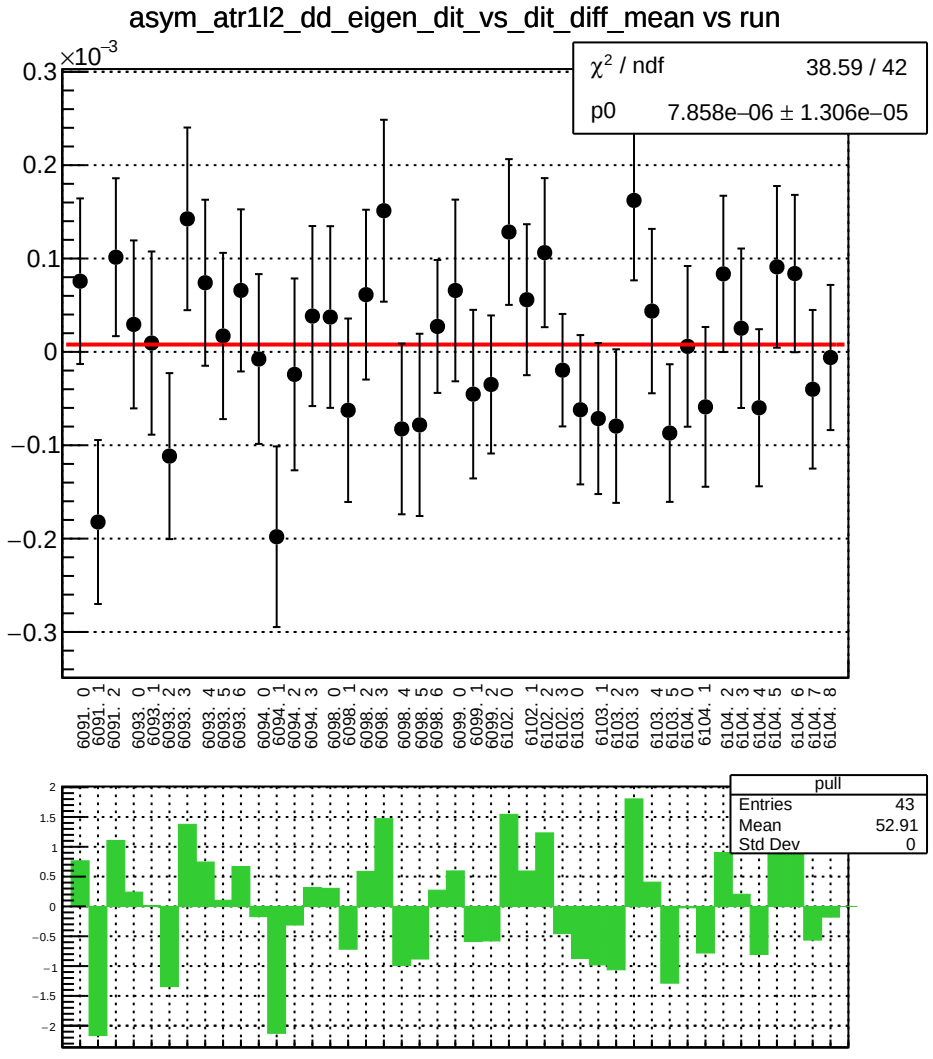
asym_atr1l2_dd_dit_vs_eigen_cor_diff_mean vs run

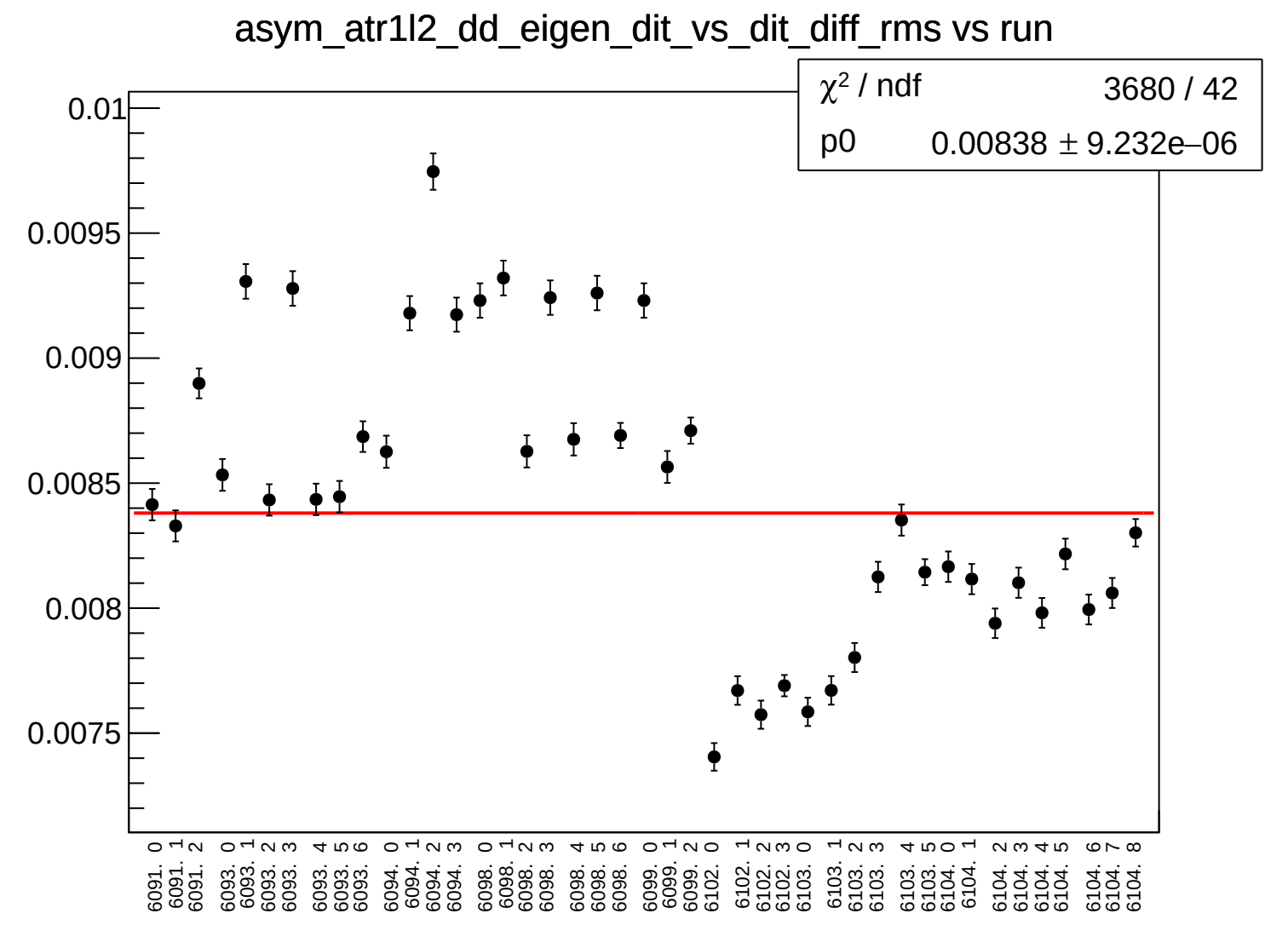




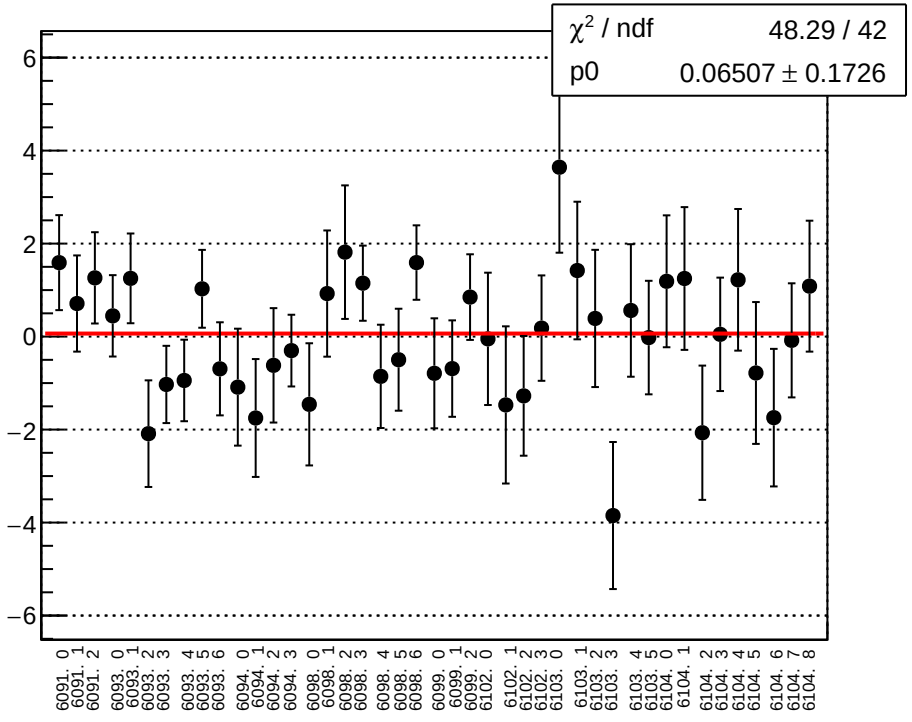


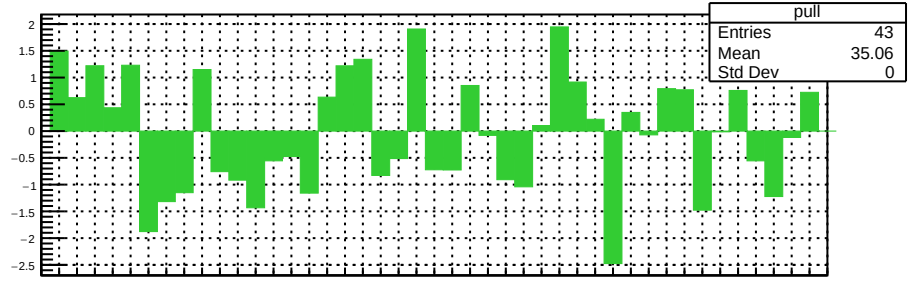

asym_atr1l2_dd_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 3.936e+04 / 42
p0 108.4 ± 0.122
180
160
140
120
100
80
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

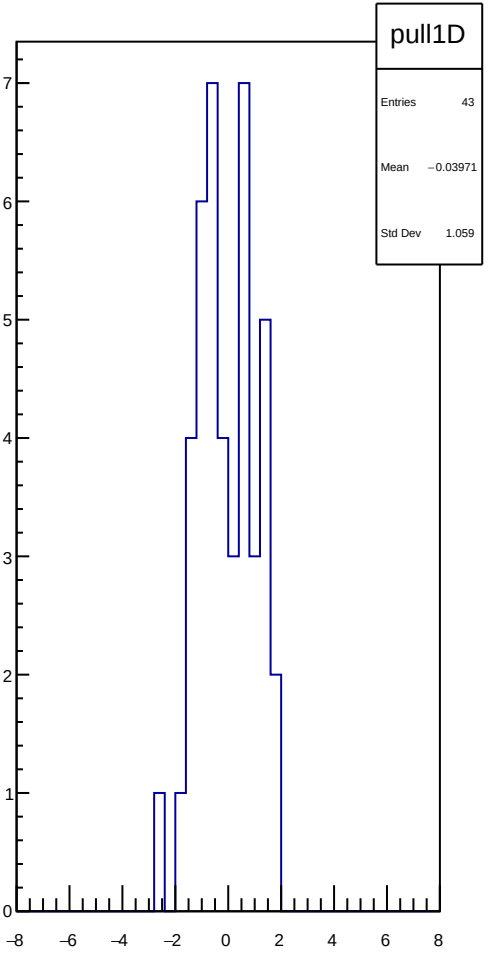

asym_atr1l2_dd_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 38.59 / 42
p0 7.858e−06 ± 1.306e−05
pull
Entries 43
Mean 52.91
Std Dev 0
pull1D
Entries 43
Mean 0.005577
Std Dev 0.9473

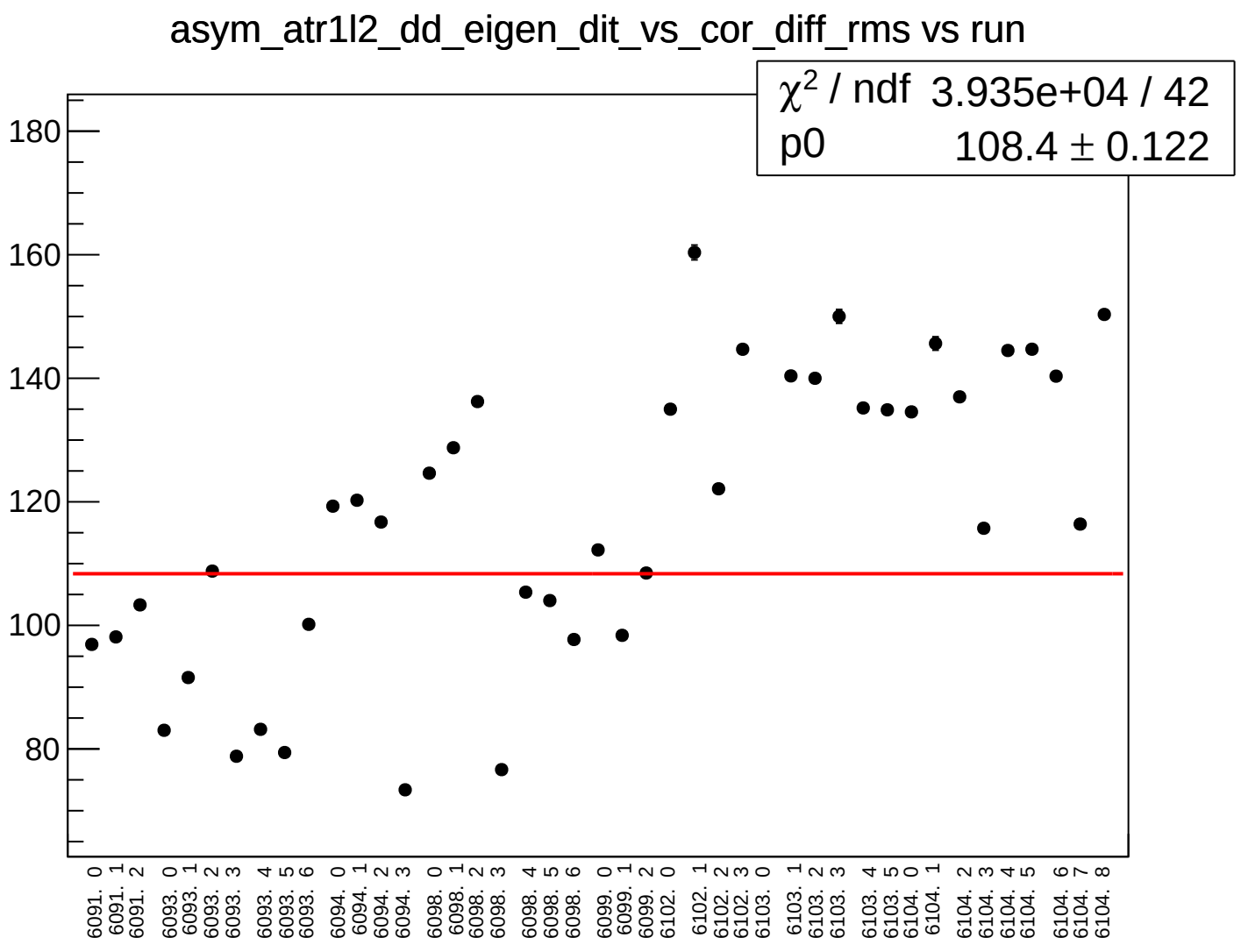

asym_atr1l2_dd_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 3680 / 42
p0 0.00838 ± 9.232e−06
0.01
0.0095
0.009
0.0085
0.008
0.0075
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

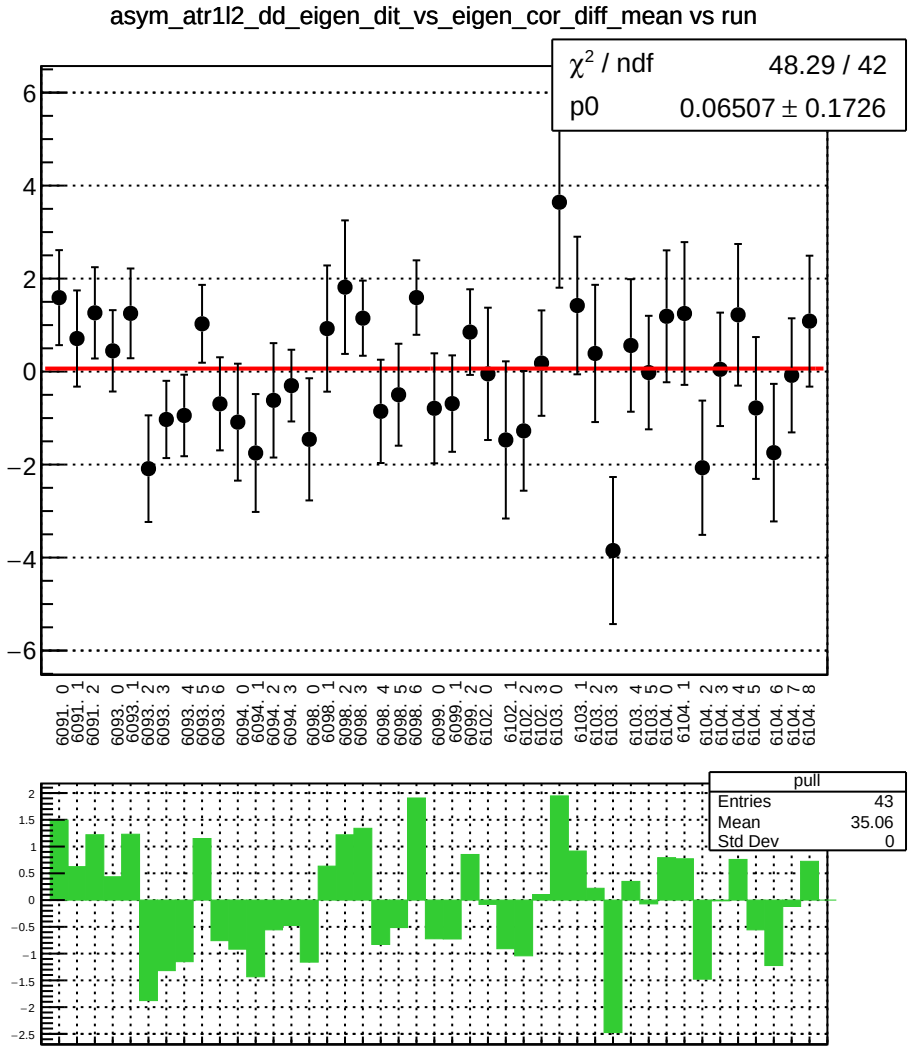
asym_atr1l2_dd_eigen_dit_vs_cor_diff_mean vs run

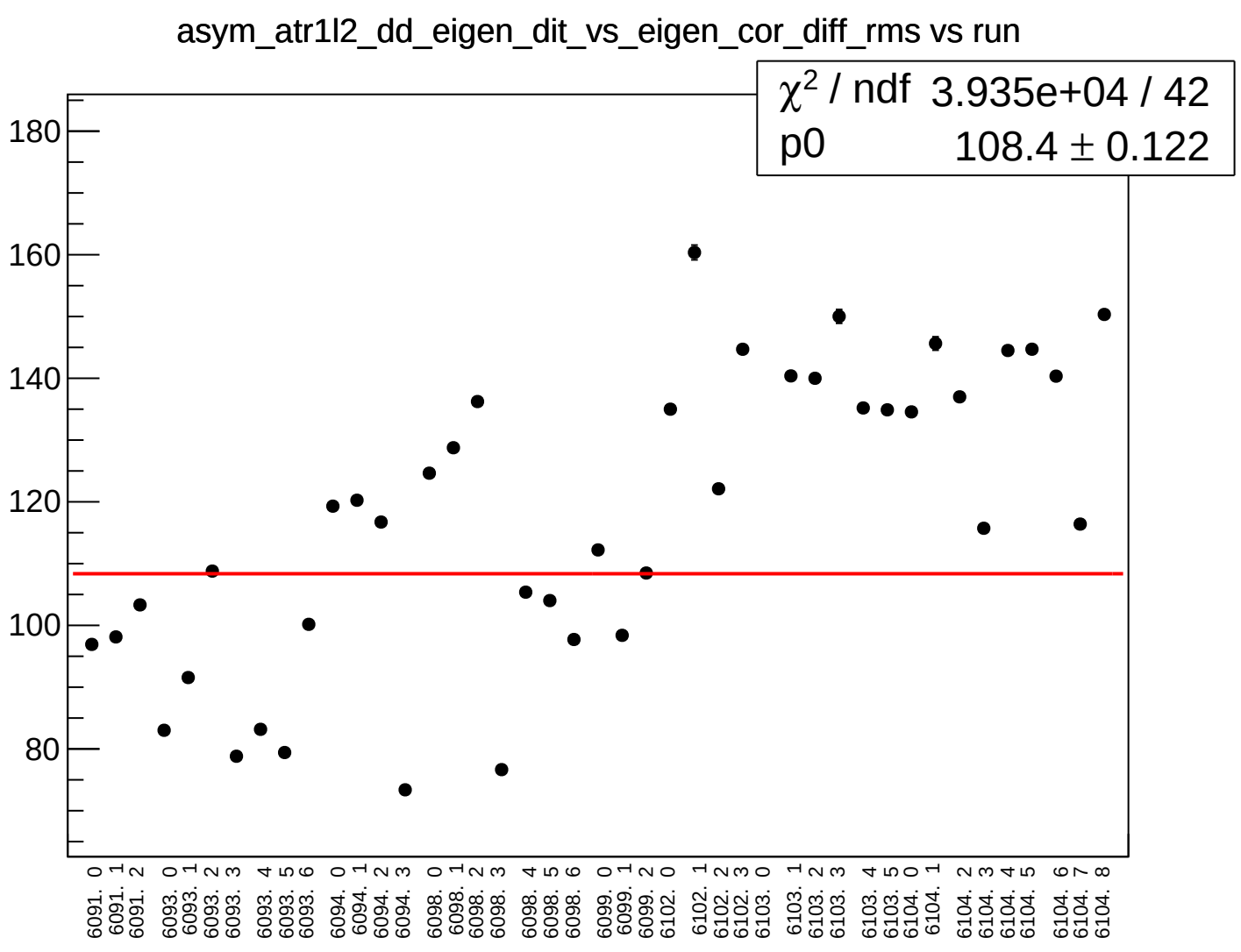


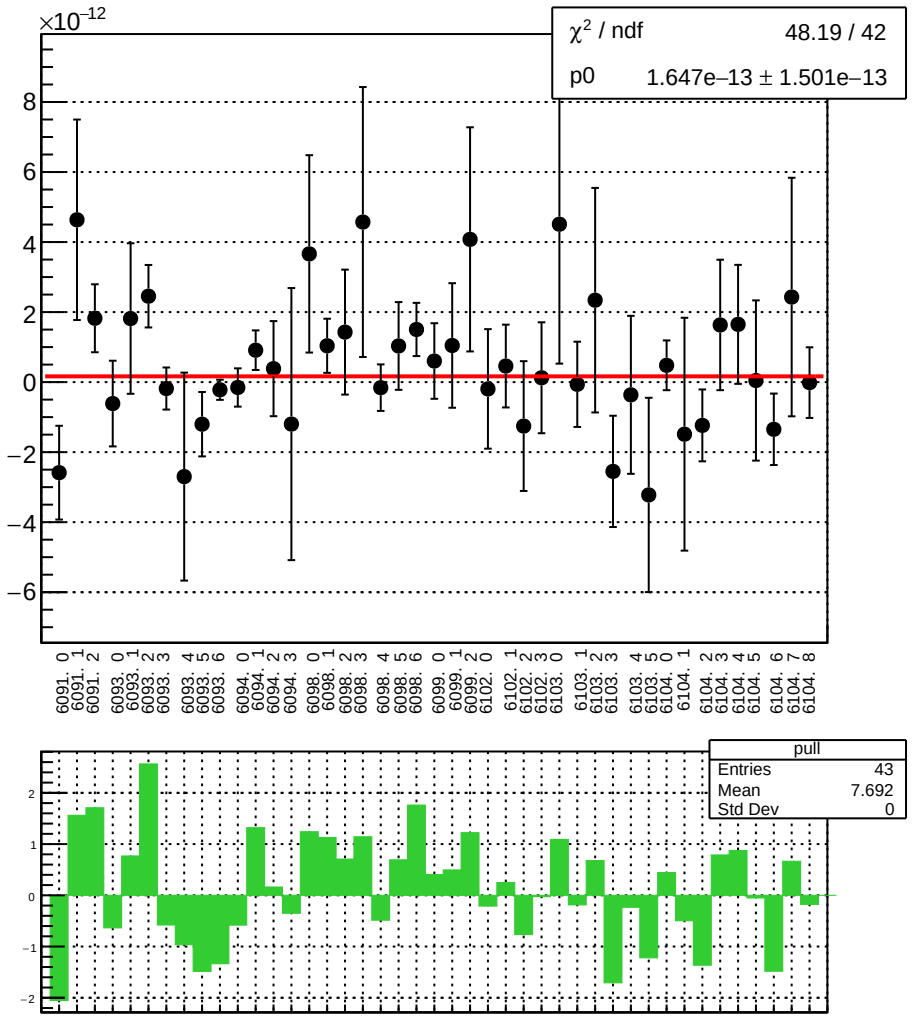


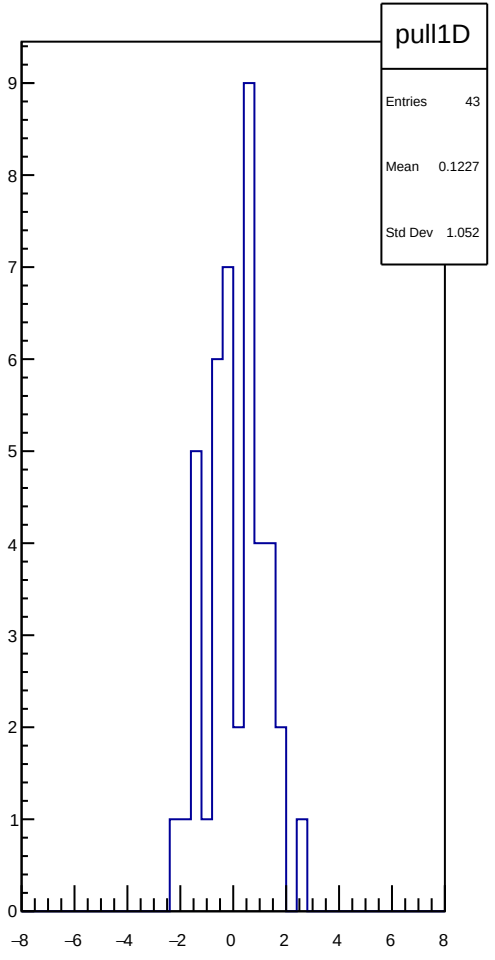


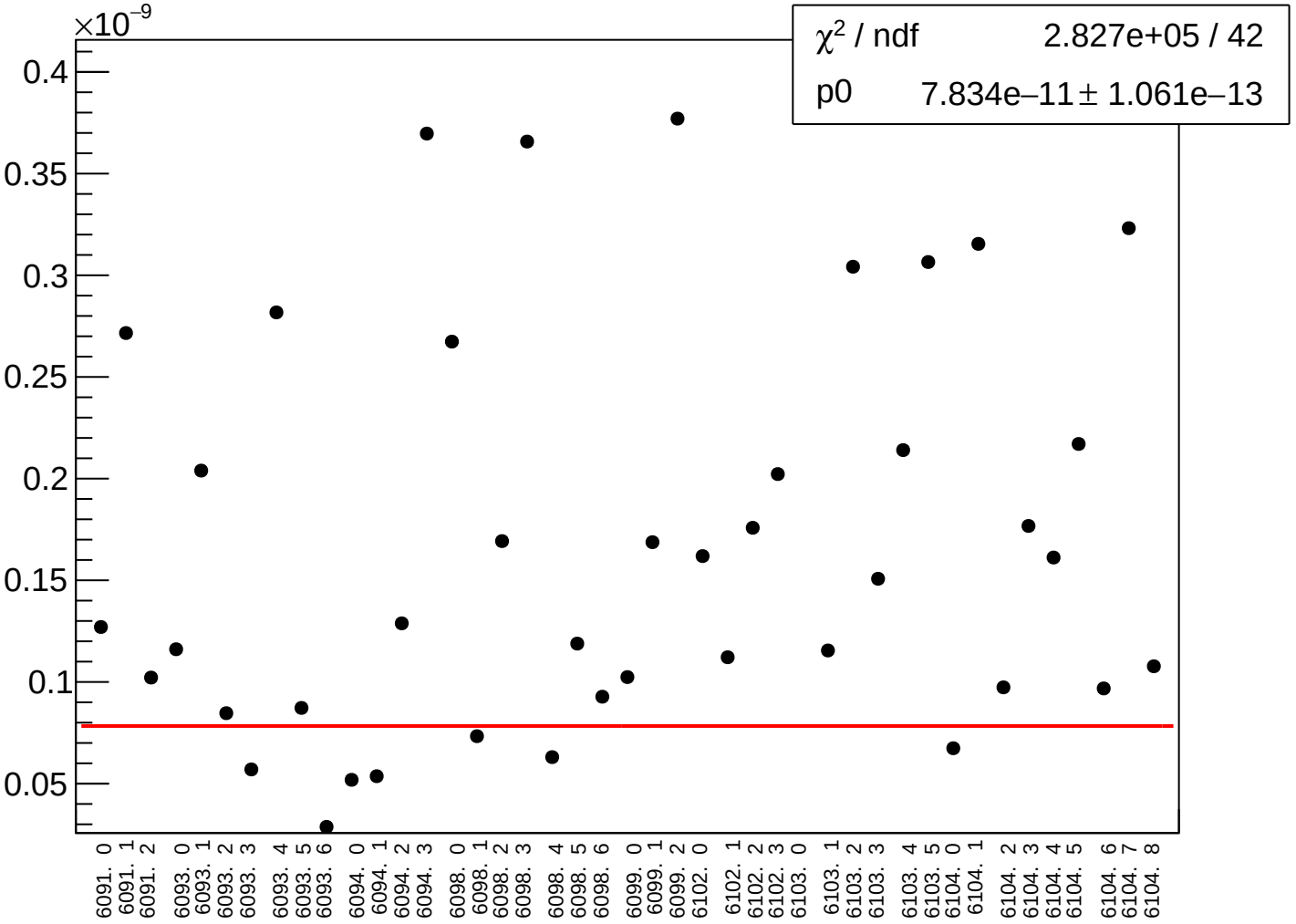

asym_atr1l2_dd_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 3.935e+04 / 42
p0 108.4 ± 0.122
180
160
140
120
100
80
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

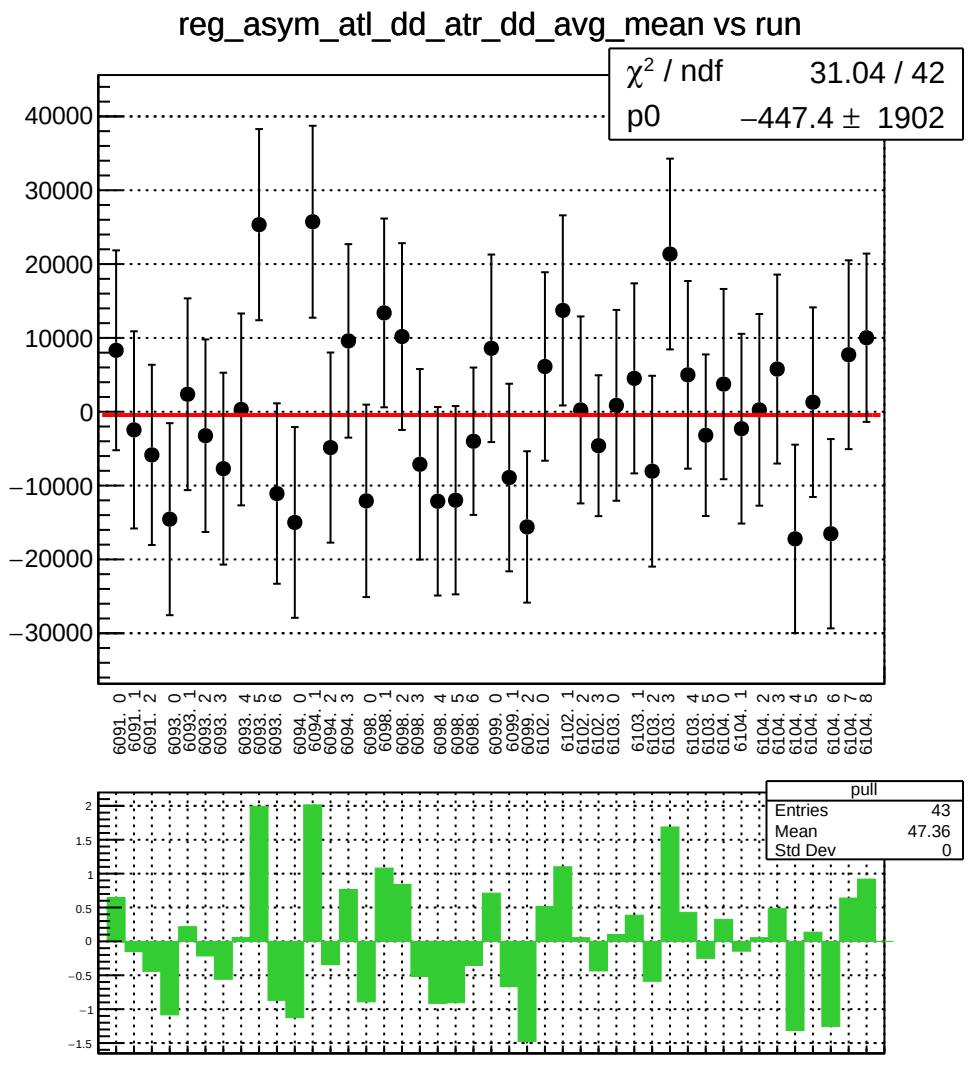

asym_atr1l2_dd_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 48.29 / 42
p0 0.06507 ± 0.1726
6
4
2
0
−2
−4
−6
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 35.06
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5
pull1D
Entries 43
Mean −0.03971
Std Dev 1.059
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

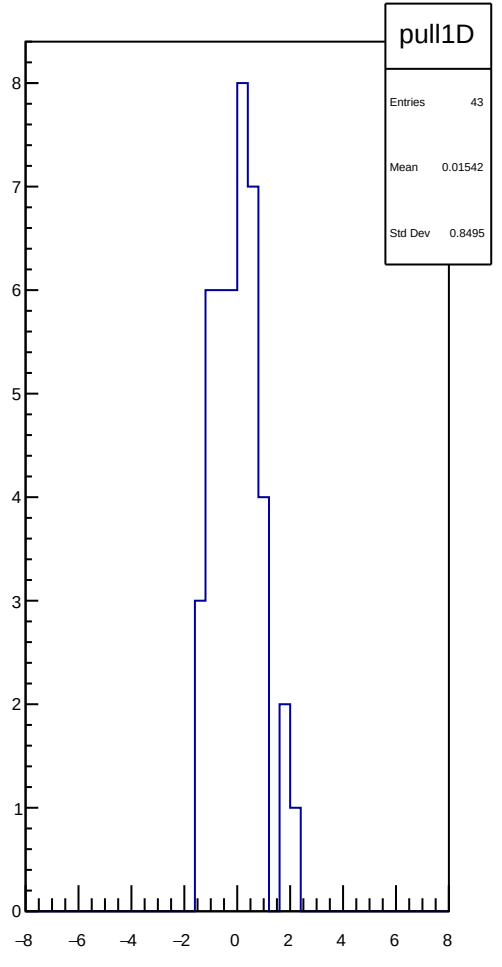

asym_atr1l2_dd_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 3.935e+04 / 42
p0 108.4 ± 0.122
180
160
140
120
100
80
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

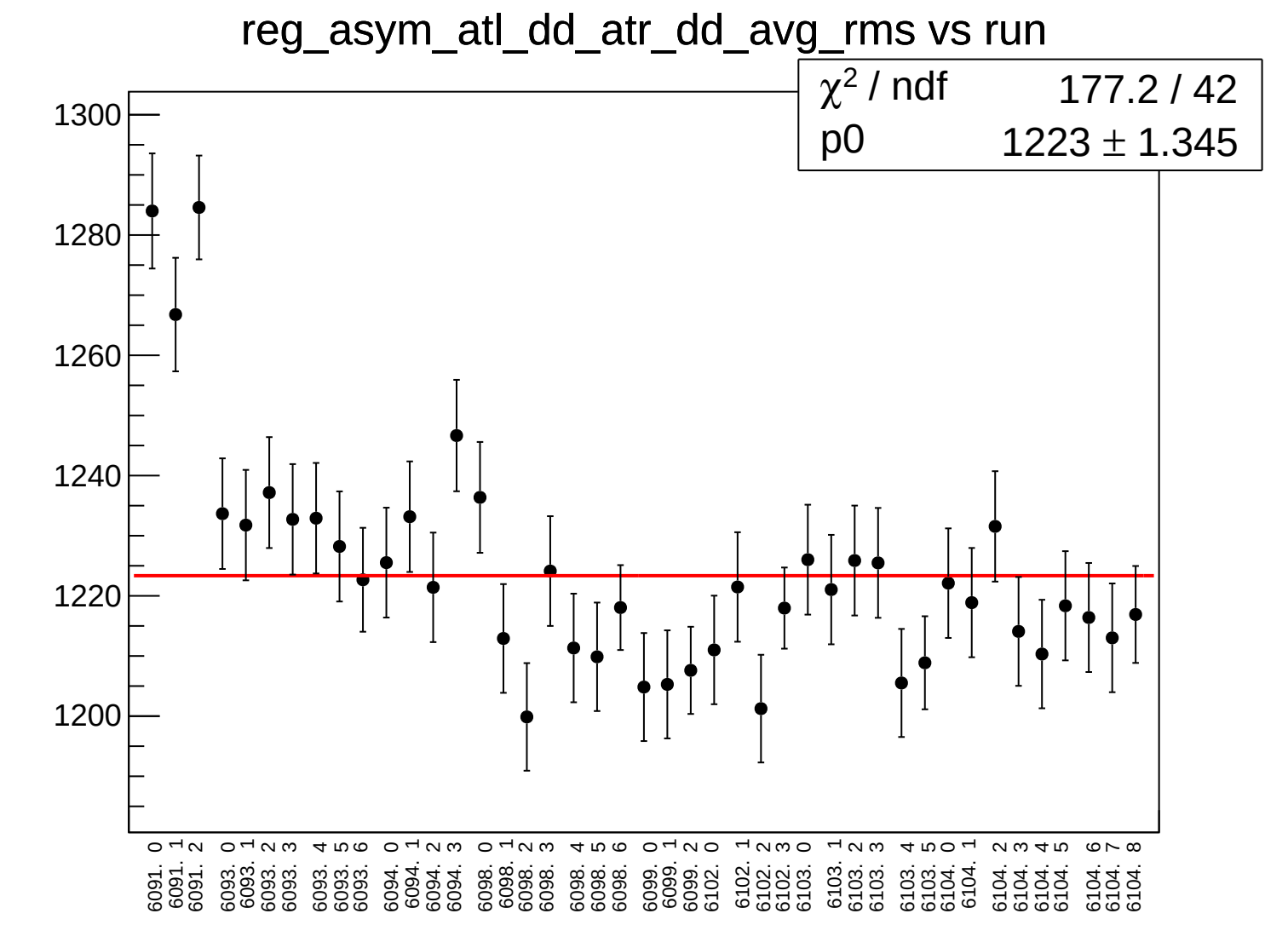

asym_atr1l2_dd_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 48.19 / 42
p0 1.647e−13 ± 1.501e−13
8
6
4
2
0
−2
−4
−6
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 7.692
Std Dev 0
2
1
0
−1
−2

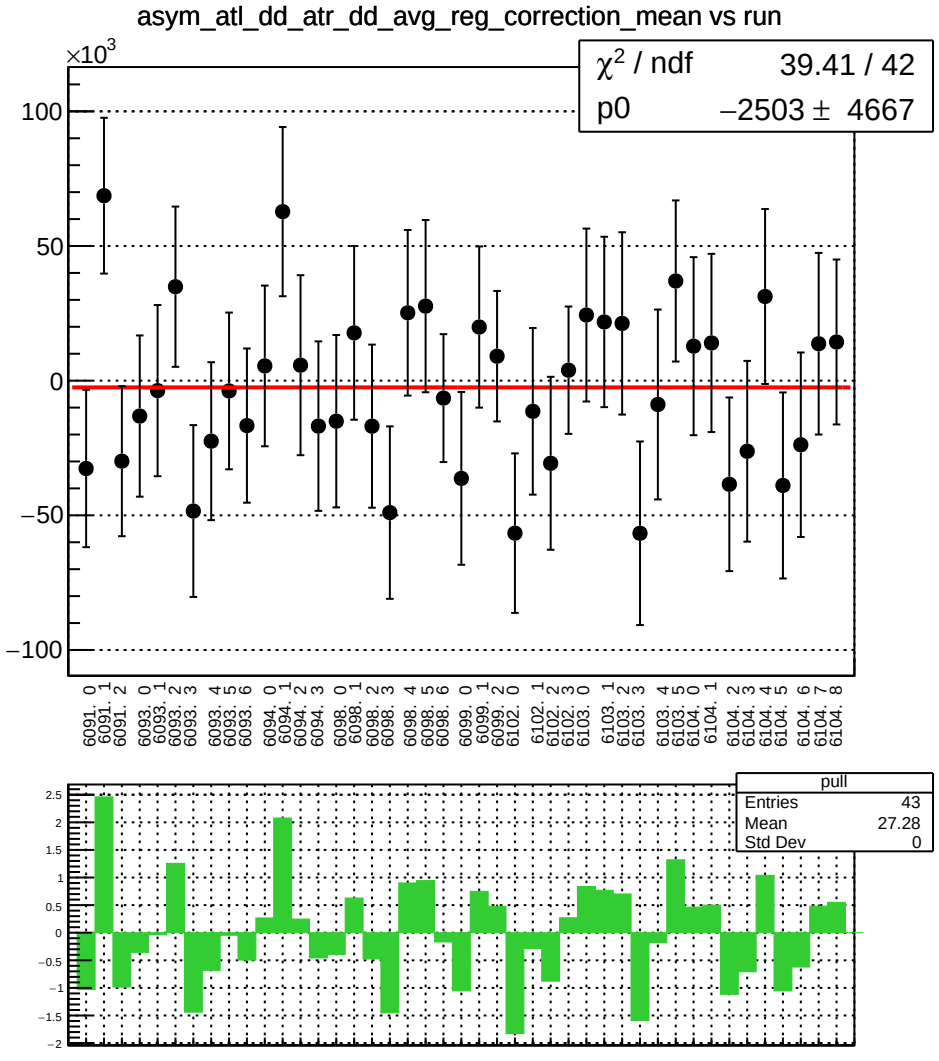

pull1D
Entries 43
Mean 0.1227
Std Dev 1.052
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

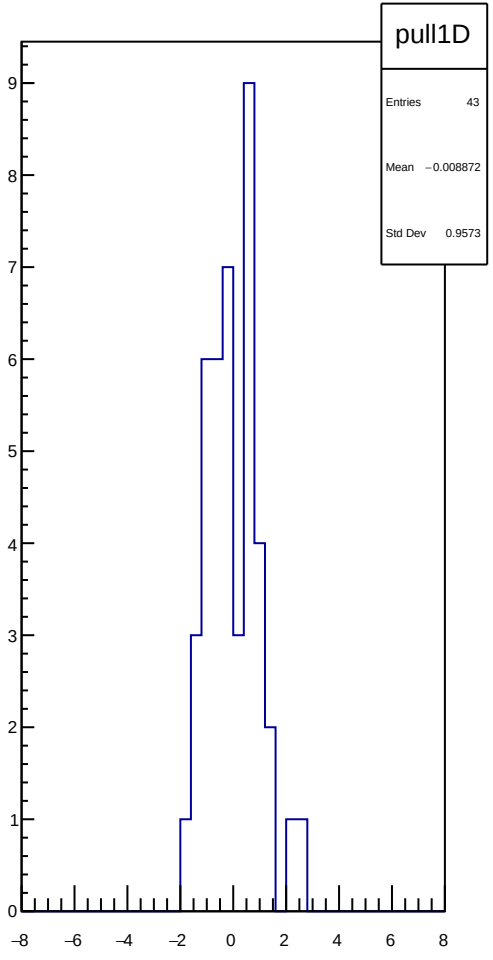

asym_atr1l2_dd_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 2.827e+05 / 42
p0 7.834e−11 ± 1.061e−13
0.4
0.35
0.3
0.25
0.2
0.15
0.1
0.05
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

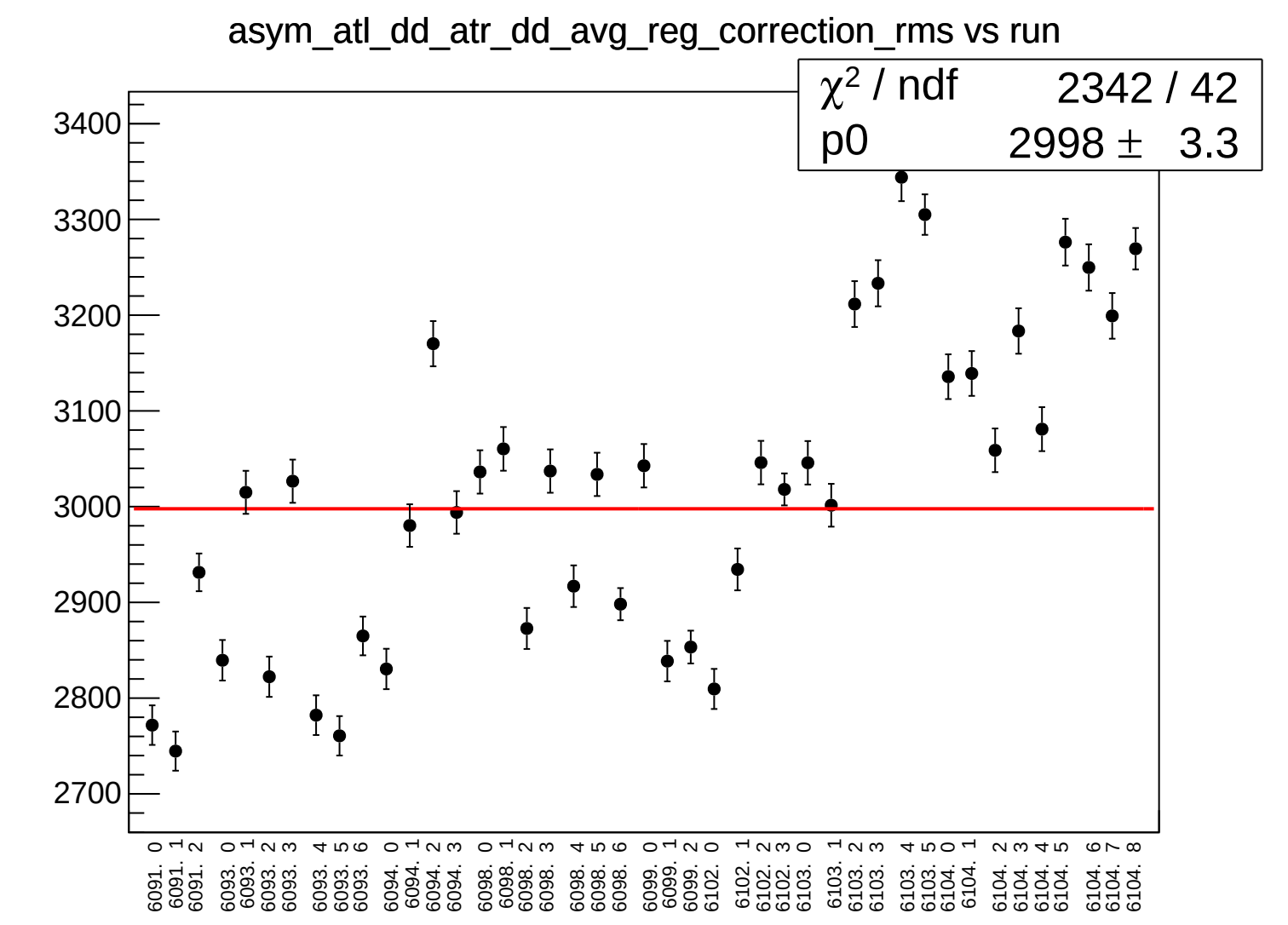

reg_asym_atl_dd_atr_dd_avg_mean vs run
χ² / ndf 31.04 / 42
p0 −447.4 ± 1902
40000
30000
20000
10000
0
−10000
−20000
−30000
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 47.36
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5


pull1D
Entries 43
Mean 0.01542
Std Dev 0.8495
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


reg_asym_atl_dd_atr_dd_avg_rms vs run
χ² / ndf 177.2 / 42
p0 1223 ± 1.345
1300
1280
1260
1240
1220
1200
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8


asym_atl_dd_atr_dd_avg_reg_correction_mean vs run
×10^3
χ² / ndf 39.41 / 42
p0 −2503 ± 4667
100
50
0
−50
−100
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 27.28
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2


pull1D
Entries 43
Mean −0.008872
Std Dev 0.9573
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


asym_atl_dd_atr_dd_avg_reg_correction_rms vs run
χ² / ndf 2342 / 42
p0 2998 ± 3.3
3400
3300
3200
3100
3000
2900
2800
2700
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
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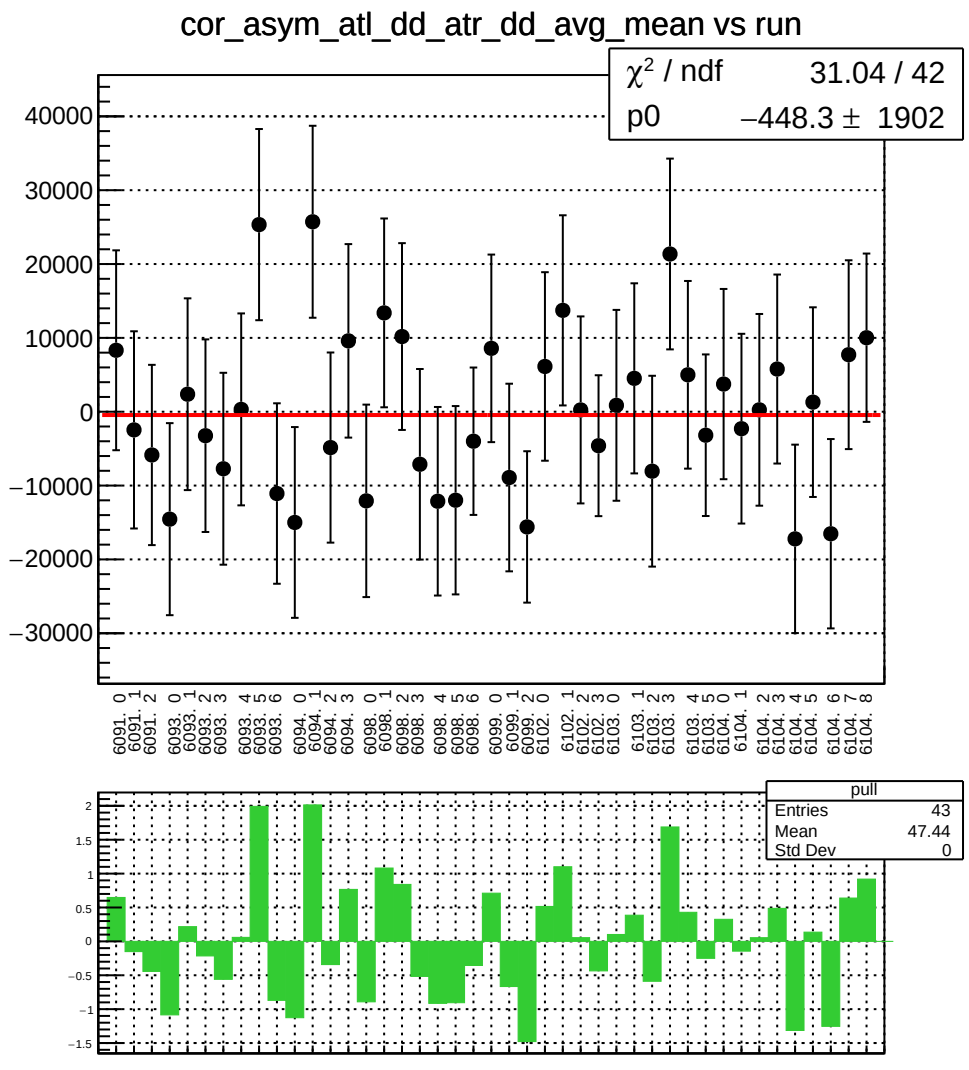
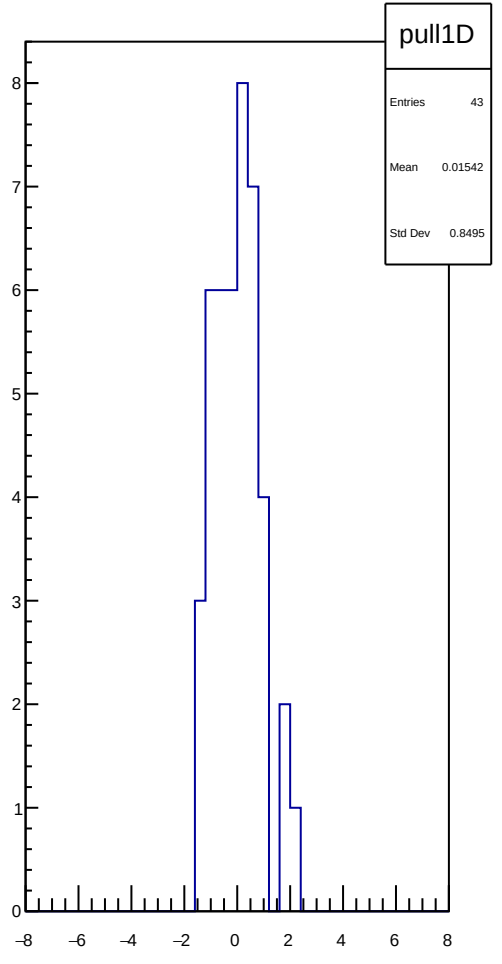
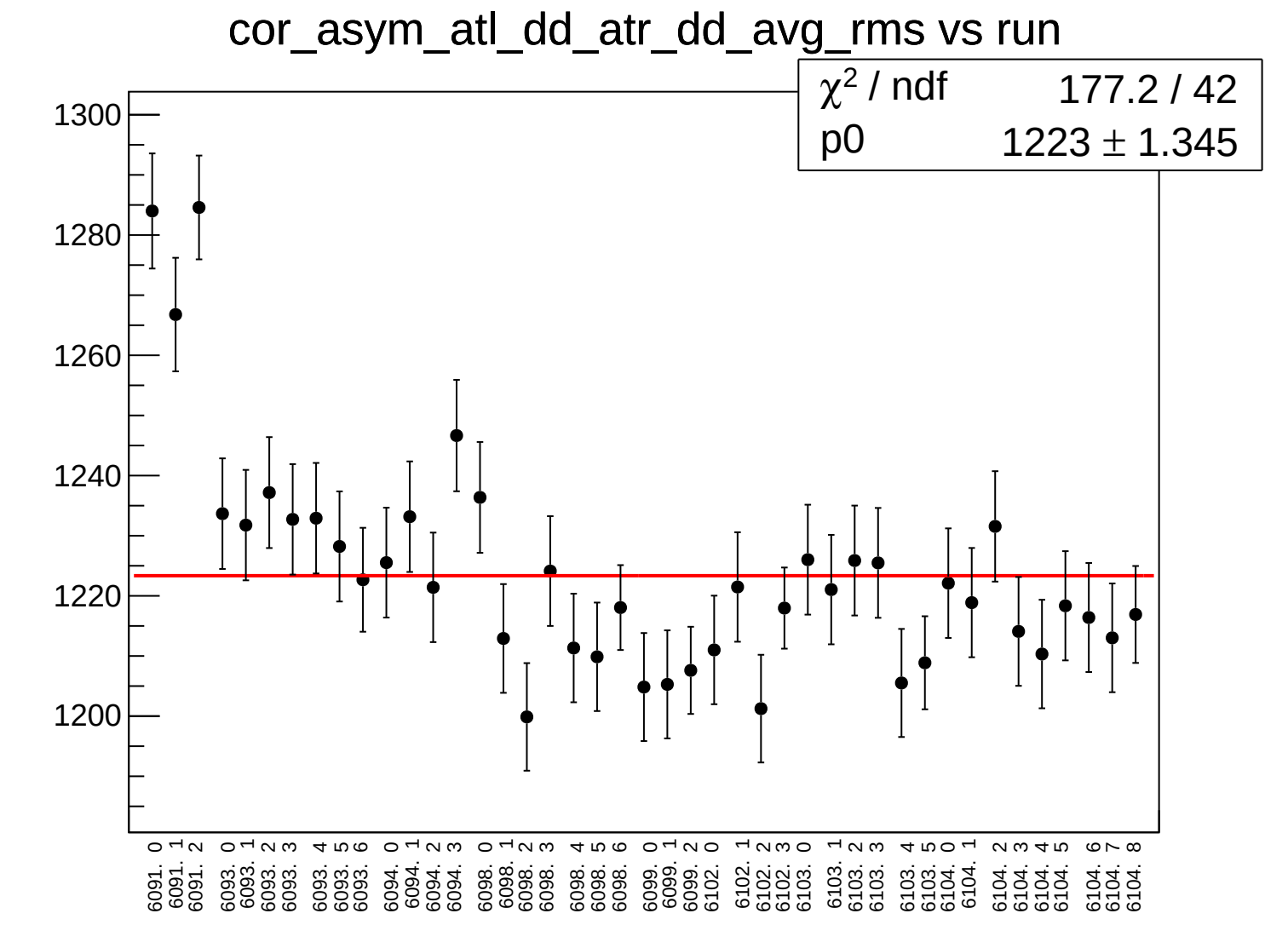
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8


cor_asym_atl_dd_atr_dd_avg_mean vs run
χ² / ndf 31.04 / 42
p0 −448.3 ± 1902
40000
30000
20000
10000
0
−10000
−20000
−30000
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 47.44
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5


pull1D
Entries 43
Mean 0.01542
Std Dev 0.8495
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


cor_asym_atl_dd_atr_dd_avg_rms vs run
χ² / ndf 177.2 / 42
p0 1223 ± 1.345
1300
1280
1260
1240
1220
1200
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
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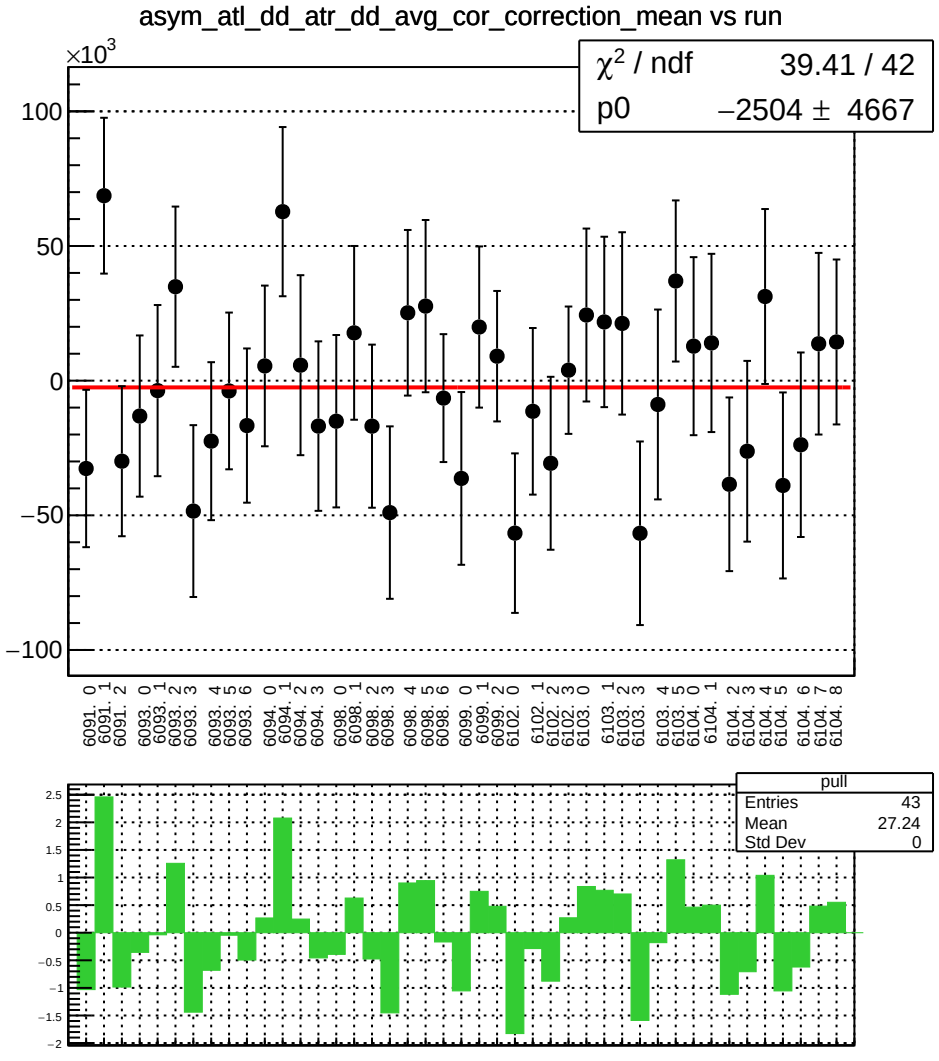
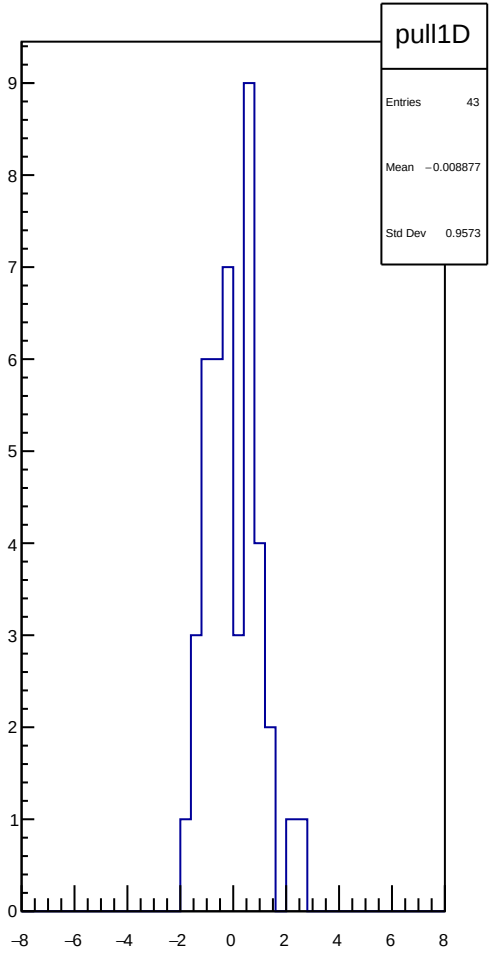
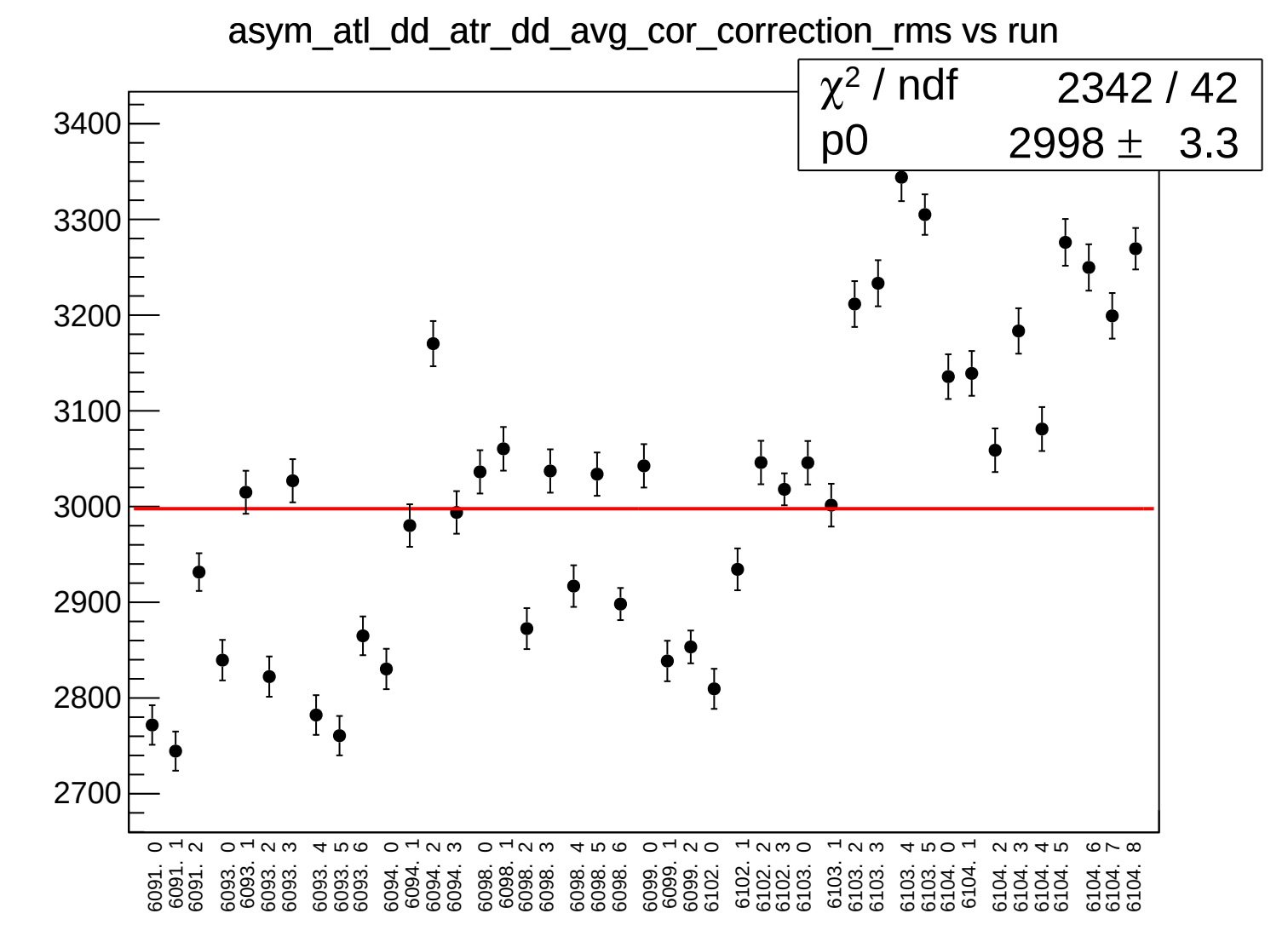
6104. 8


asym_atl_dd_atr_dd_avg_cor_correction_mean vs run
×10^3
χ² / ndf 39.41 / 42
p0 −2504 ± 4667
100
50
0
−50
−100
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 27.24
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2


pull1D
Entries 43
Mean −0.008877
Std Dev 0.9573
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


asym_atl_dd_atr_dd_avg_cor_correction_rms vs run
χ² / ndf 2342 / 42
p0 2998 ± 3.3
3400
3300
3200
3100
3000
2900
2800
2700
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
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6104. 0
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6104. 2
6104. 3
6104. 4
6104. 5
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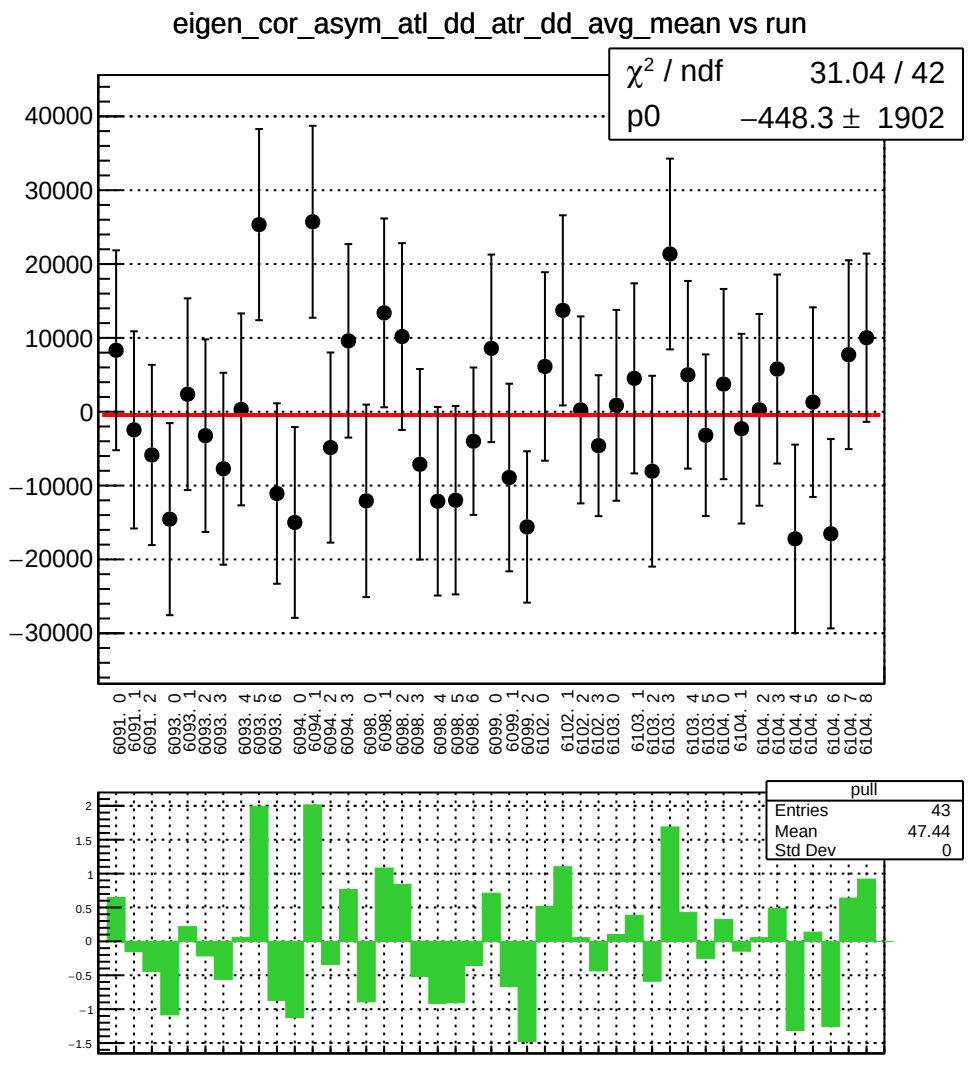
6104. 7
6104. 8


eigen_cor_asym_atl_dd_atr_dd_avg_mean vs run
χ² / ndf 31.04 / 42
p0 −448.3 ± 1902
40000
30000
20000
10000
0
−10000
−20000
−30000
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
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6094. 0
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6094. 2
6094. 3
6098. 0
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6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
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6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
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6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
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6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 47.44
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 43
Mean 0.01542
Std Dev 0.8495
8
7
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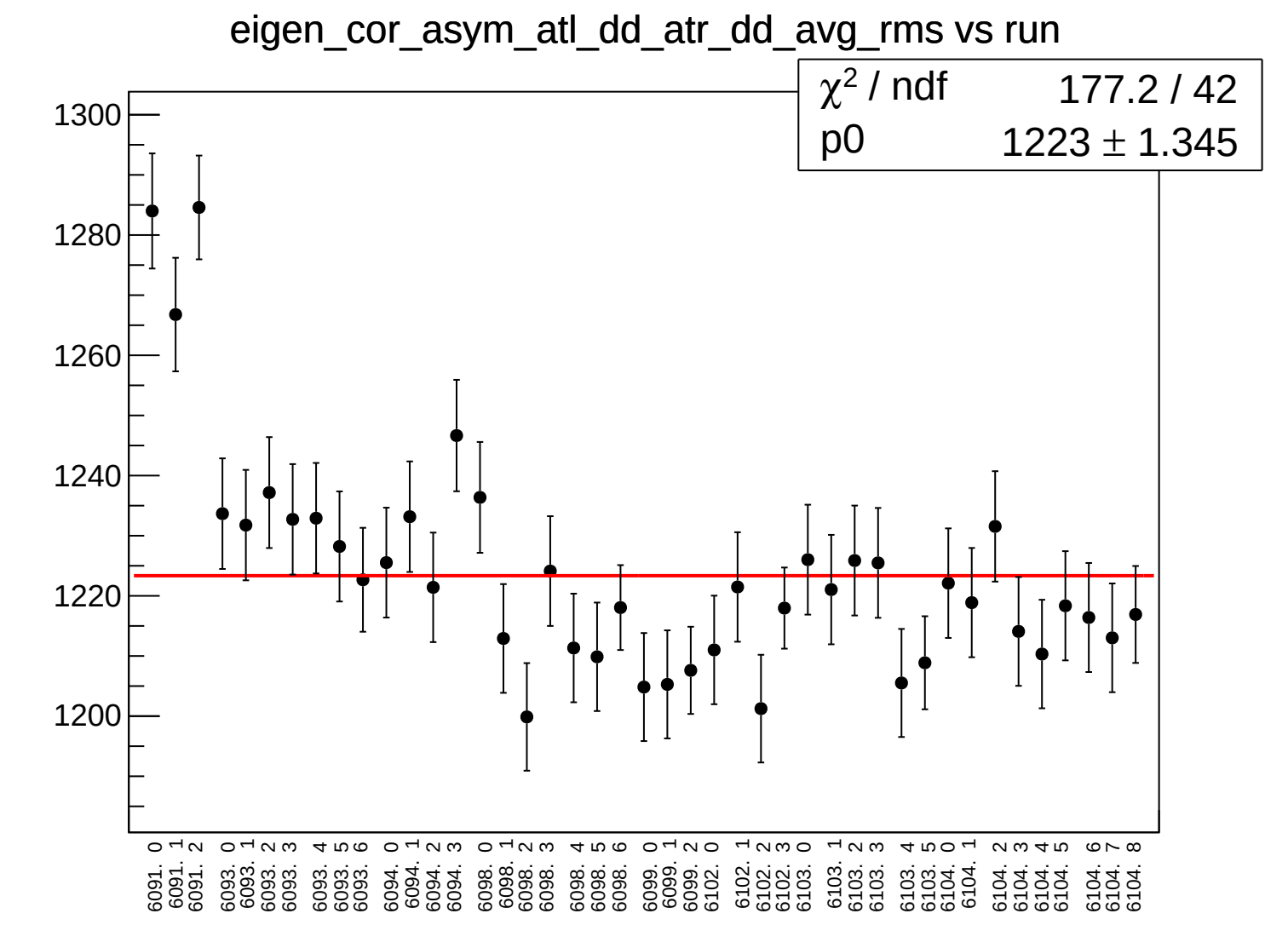
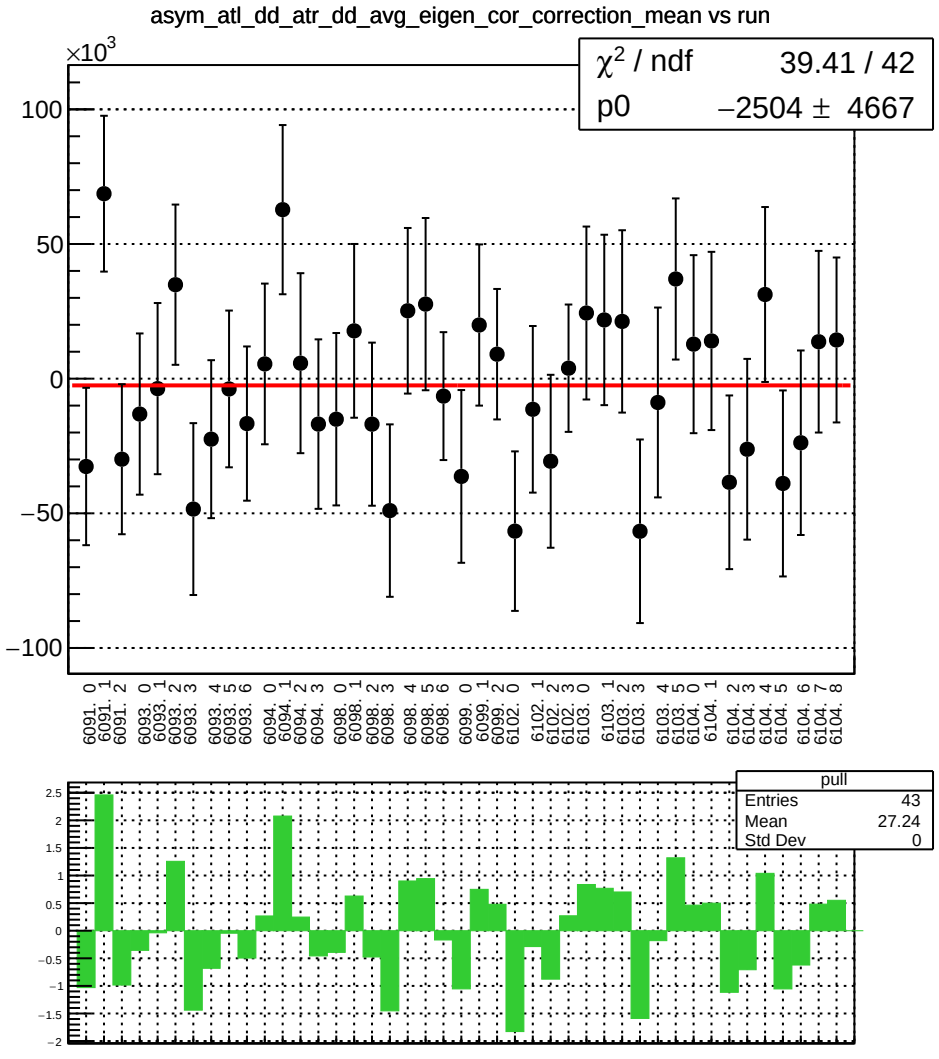
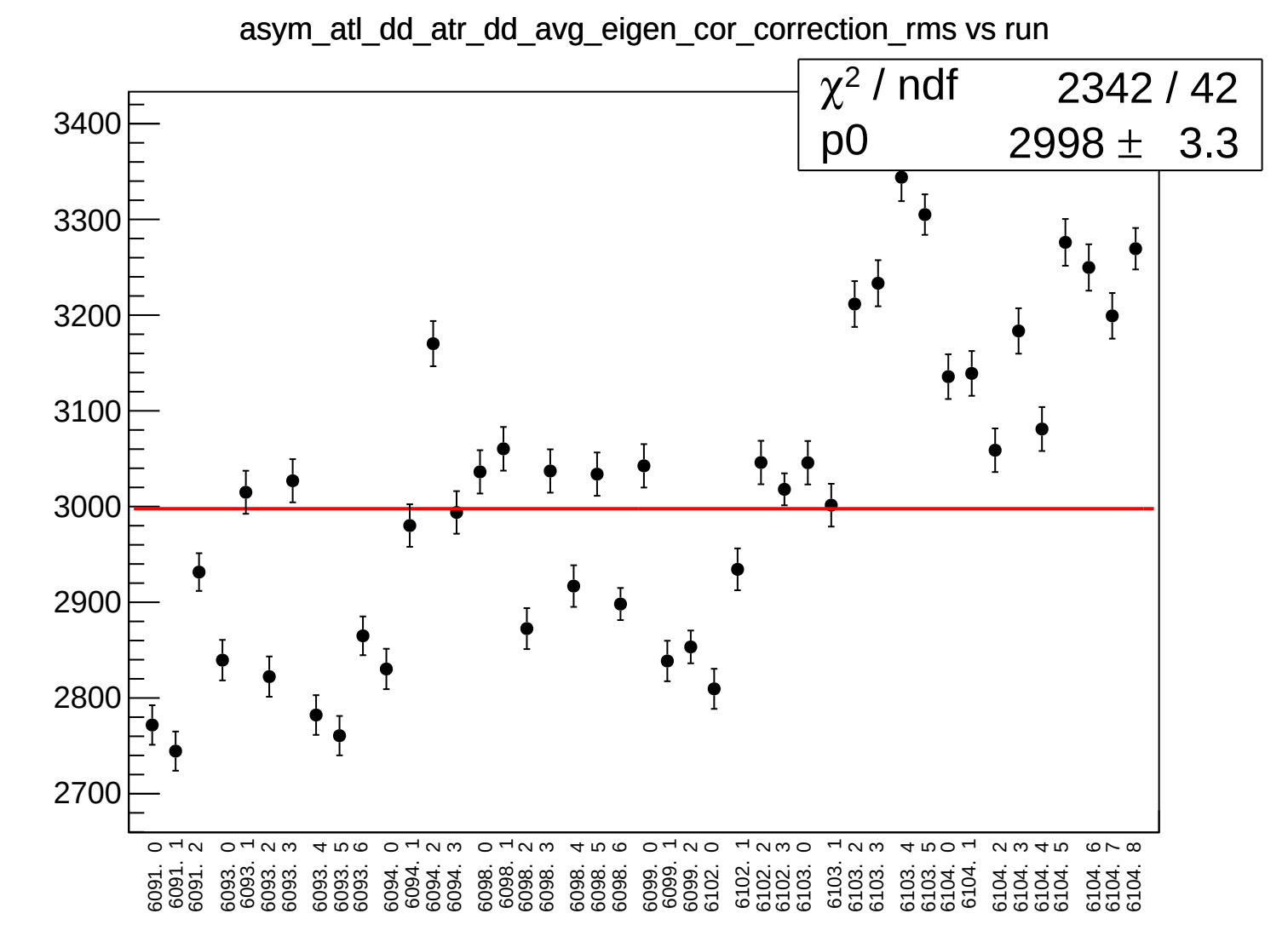
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


eigen_cor_asym_atl_dd_atr_dd_avg_rms vs run
χ² / ndf 177.2 / 42
p0 1223 ± 1.345
1300
1280
1260
1240
1220
1200
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8


asym_atl_dd_atr_dd_avg_eigen_cor_correction_mean vs run
×10^3
χ² / ndf 39.41 / 42
p0 −2504 ± 4667
100
50
0
−50
−100
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 27.24
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 43
Mean −0.008877
Std Dev 0.9573
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


asym_atl_dd_atr_dd_avg_eigen_cor_correction_rms vs run
χ² / ndf 2342 / 42
p0 2998 ± 3.3
3400
3300
3200
3100
3000
2900
2800
2700
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
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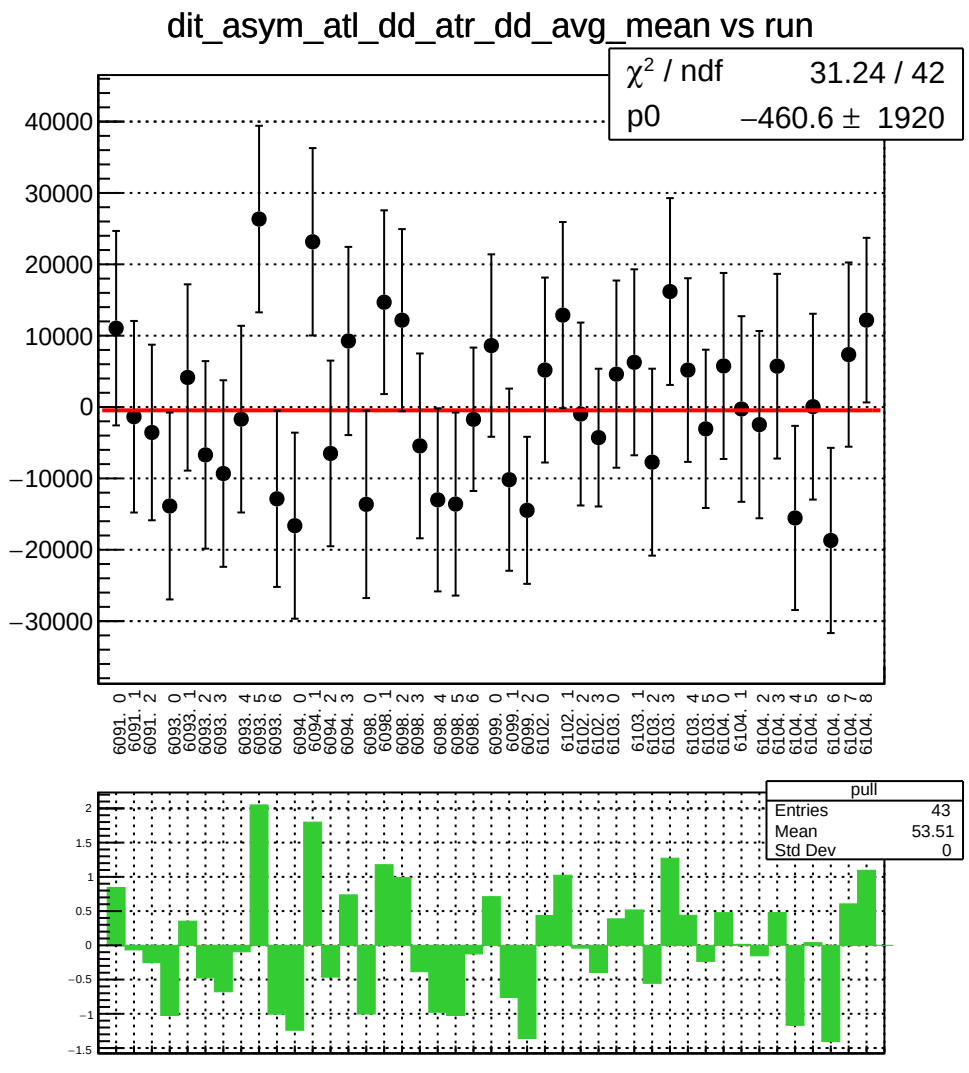
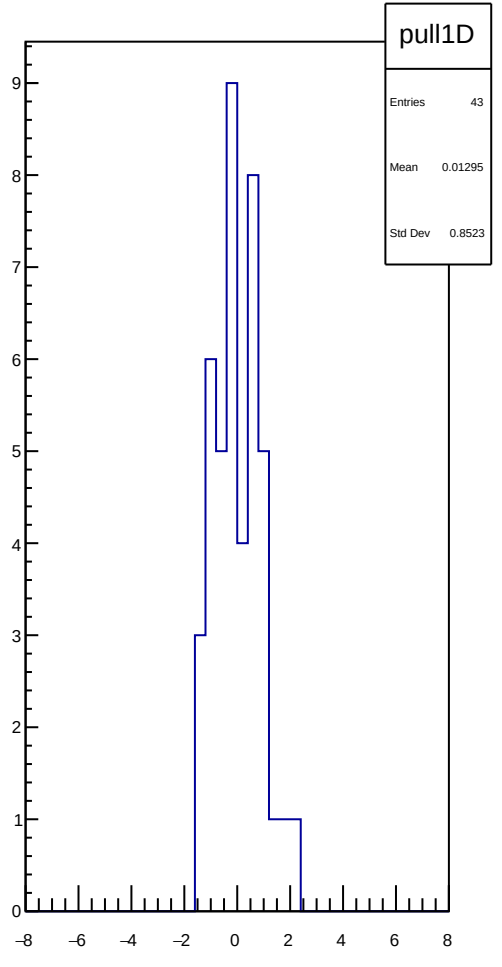
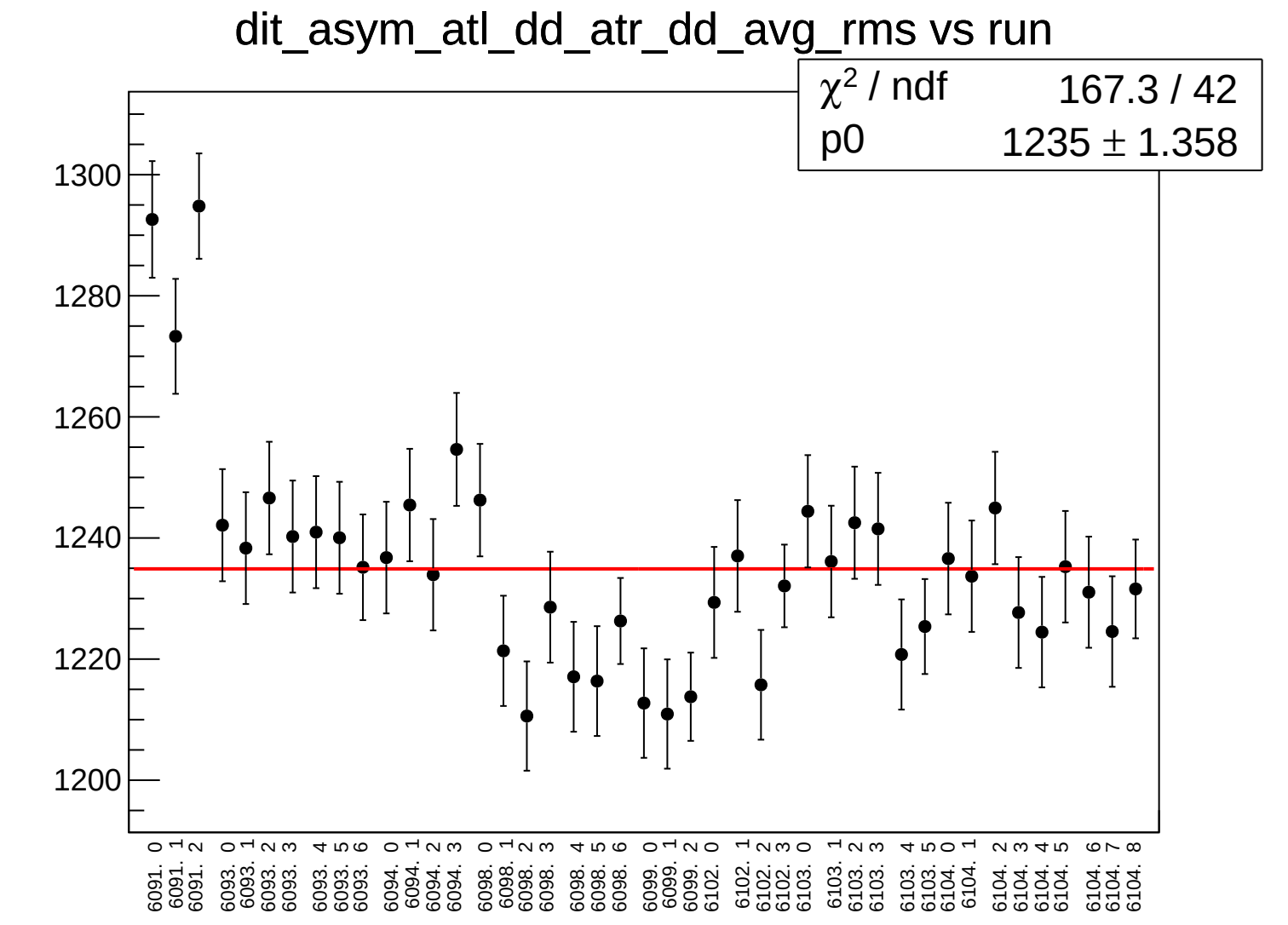
6104. 7
6104. 8


dit_asym_atl_dd_atr_dd_avg_mean vs run
χ² / ndf 31.24 / 42
p0 −460.6 ± 1920
40000
30000
20000
10000
0
−10000
−20000
−30000
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 53.51
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5


pull1D
Entries 43
Mean 0.01295
Std Dev 0.8523
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


dit_asym_atl_dd_atr_dd_avg_rms vs run
χ² / ndf 167.3 / 42
p0 1235 ± 1.358
1300
1280
1260
1240
1220
1200
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
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6104. 1
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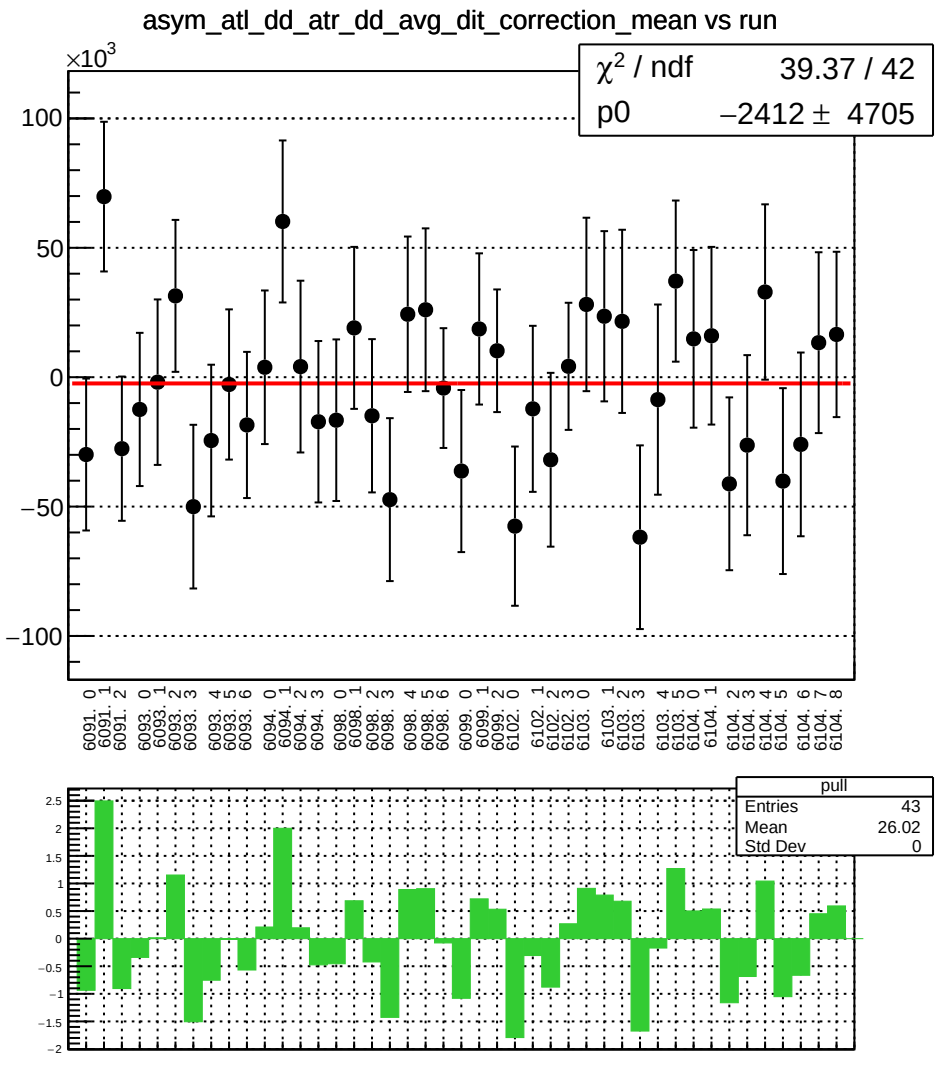
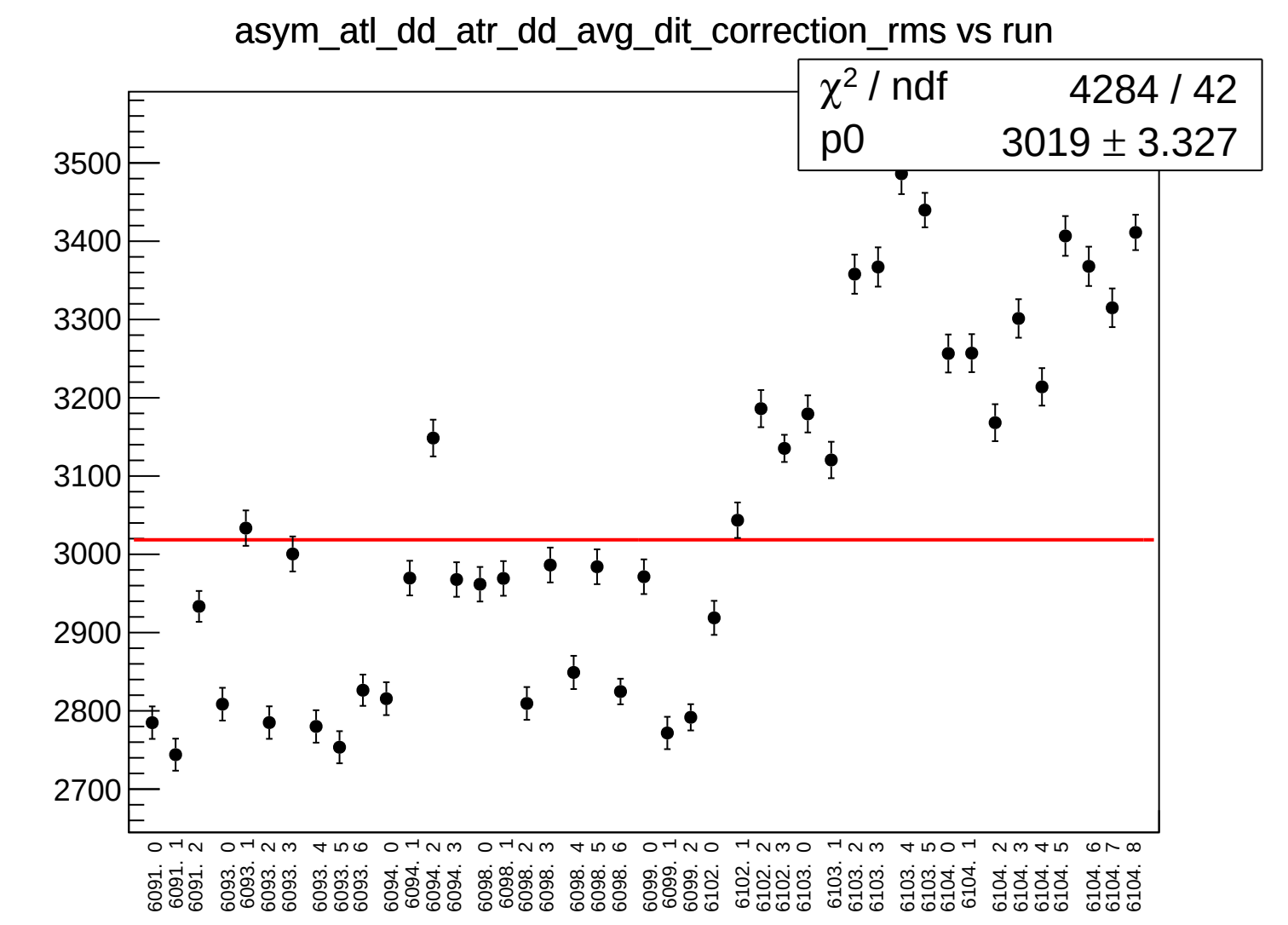
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8


asym_atl_dd_atr_dd_avg_dit_correction_mean vs run
×10^3
χ² / ndf 39.37 / 42
p0 −2412 ± 4705
100
50
0
−50
−100
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 26.02
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 43
Mean −0.01136
Std Dev 0.9567
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


asym_atl_dd_atr_dd_avg_dit_correction_rms vs run
χ² / ndf 4284 / 42
p0 3019 ± 3.327
3500
3400
3300
3200
3100
3000
2900
2800
2700
6091. 0
6091. 1
6091. 2
6093. 0
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6093. 2
6093. 3
6093. 4
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6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
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6104. 1
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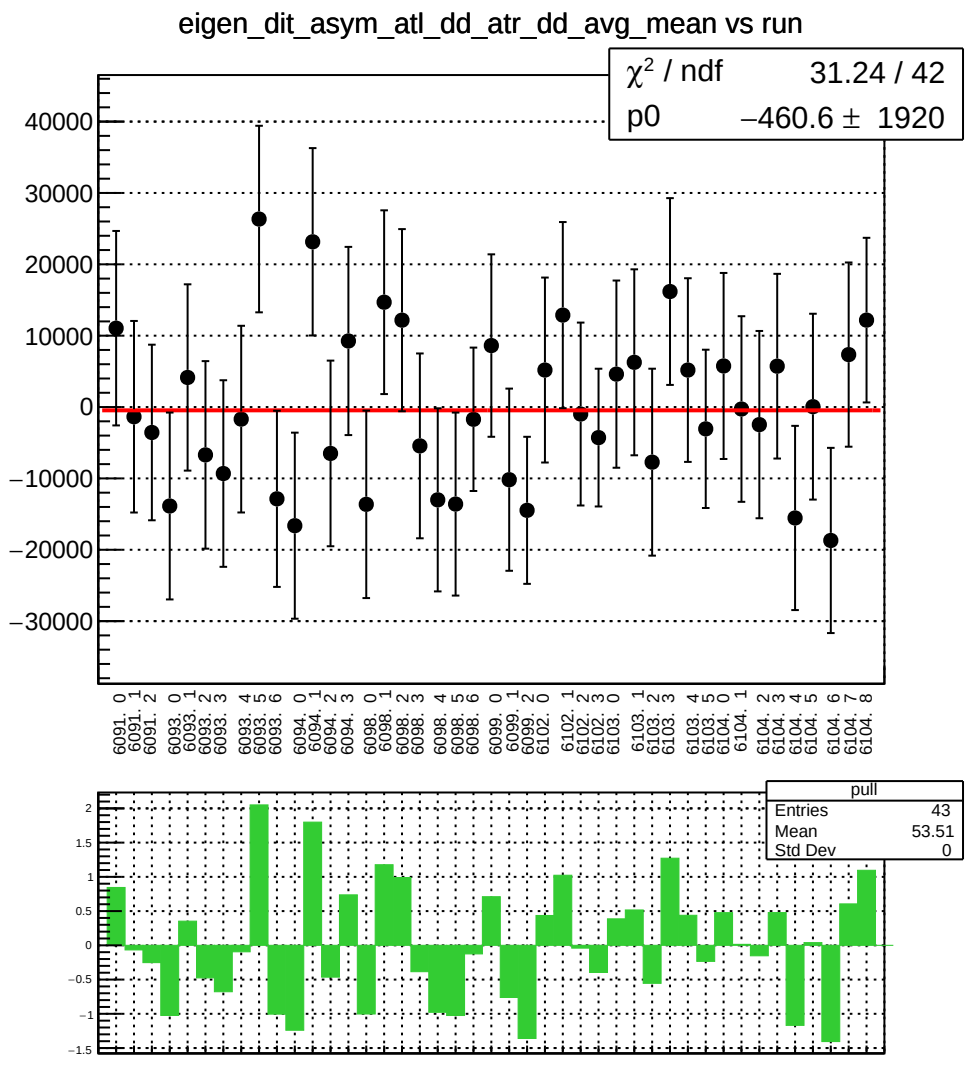
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8


eigen_dit_asym_atl_dd_atr_dd_avg_mean vs run
χ² / ndf 31.24 / 42
p0 −460.6 ± 1920
40000
30000
20000
10000
0
−10000
−20000
−30000
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
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6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
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6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 53.51
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 43
Mean 0.01295
Std Dev 0.8523
9
8
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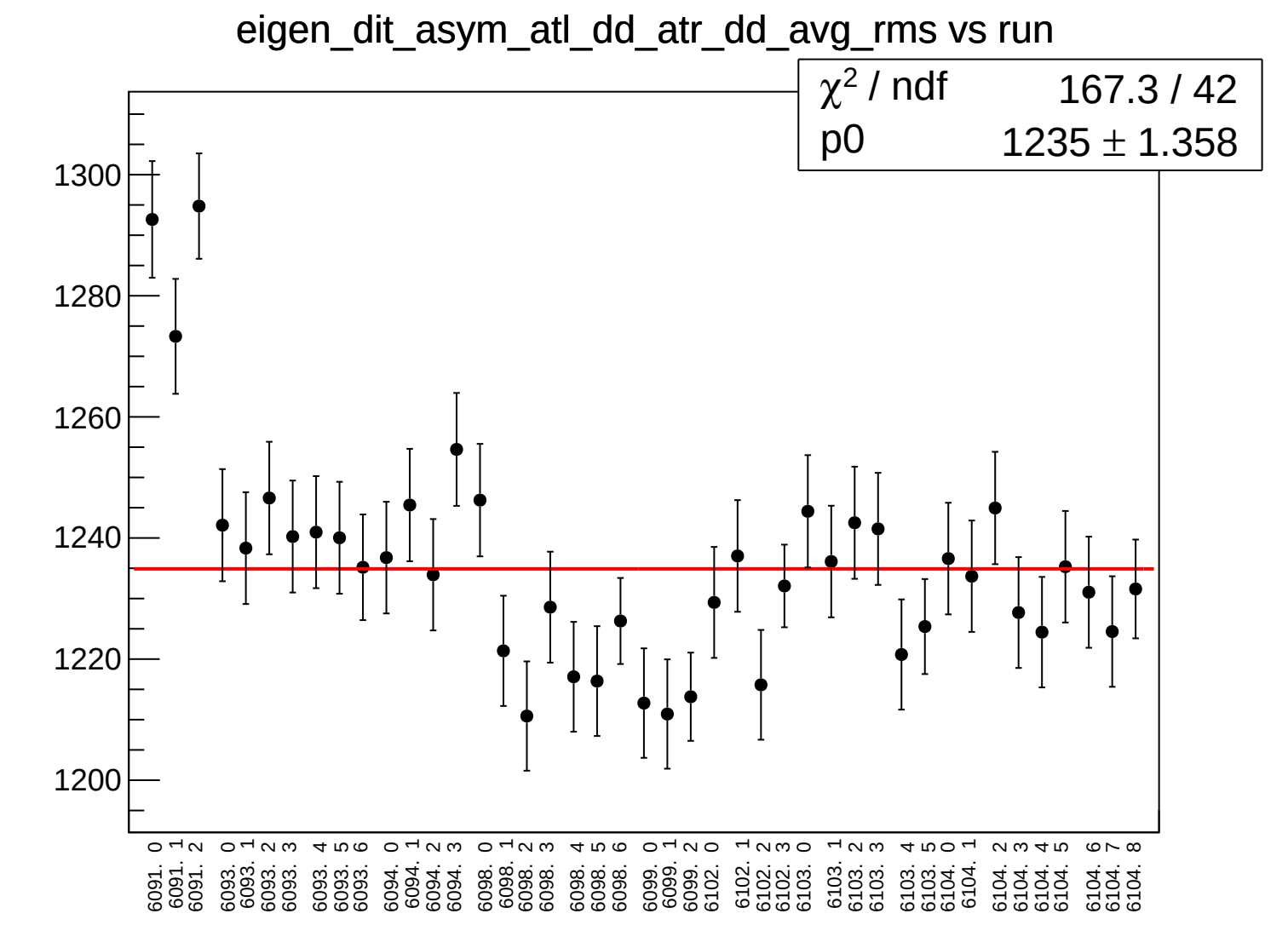
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


eigen_dit_asym_atl_dd_atr_dd_avg_rms vs run
χ² / ndf 167.3 / 42
p0 1235 ± 1.358
1300
1280
1260
1240
1220
1200
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
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6094. 0
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6102. 1
6102. 2
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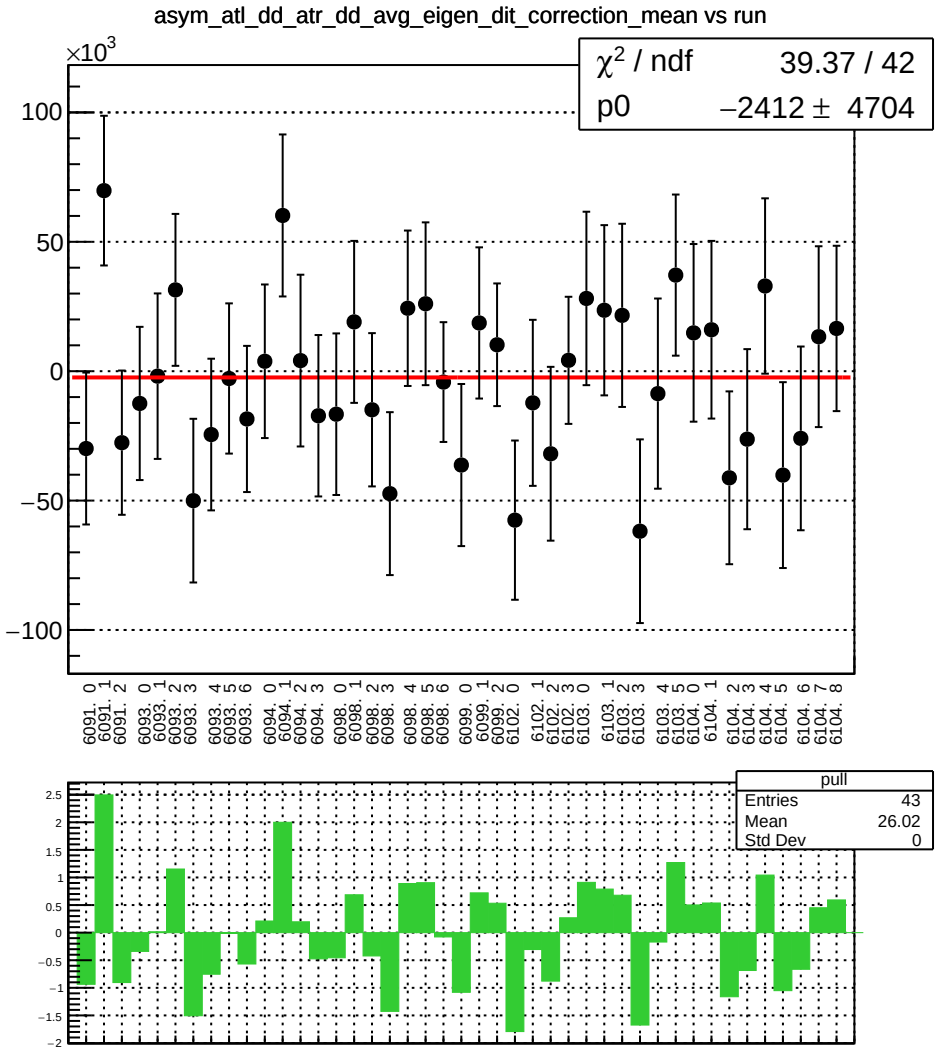
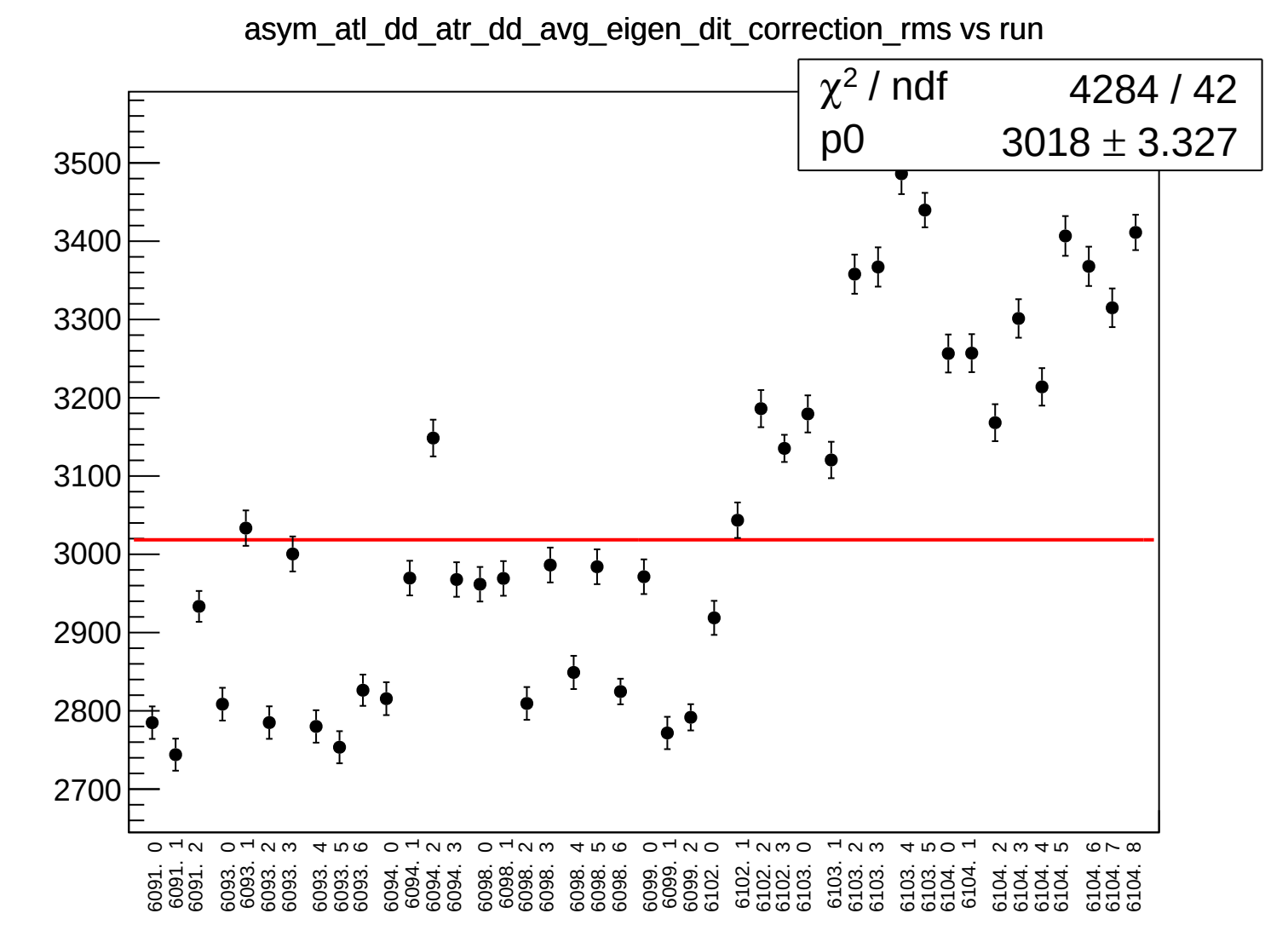
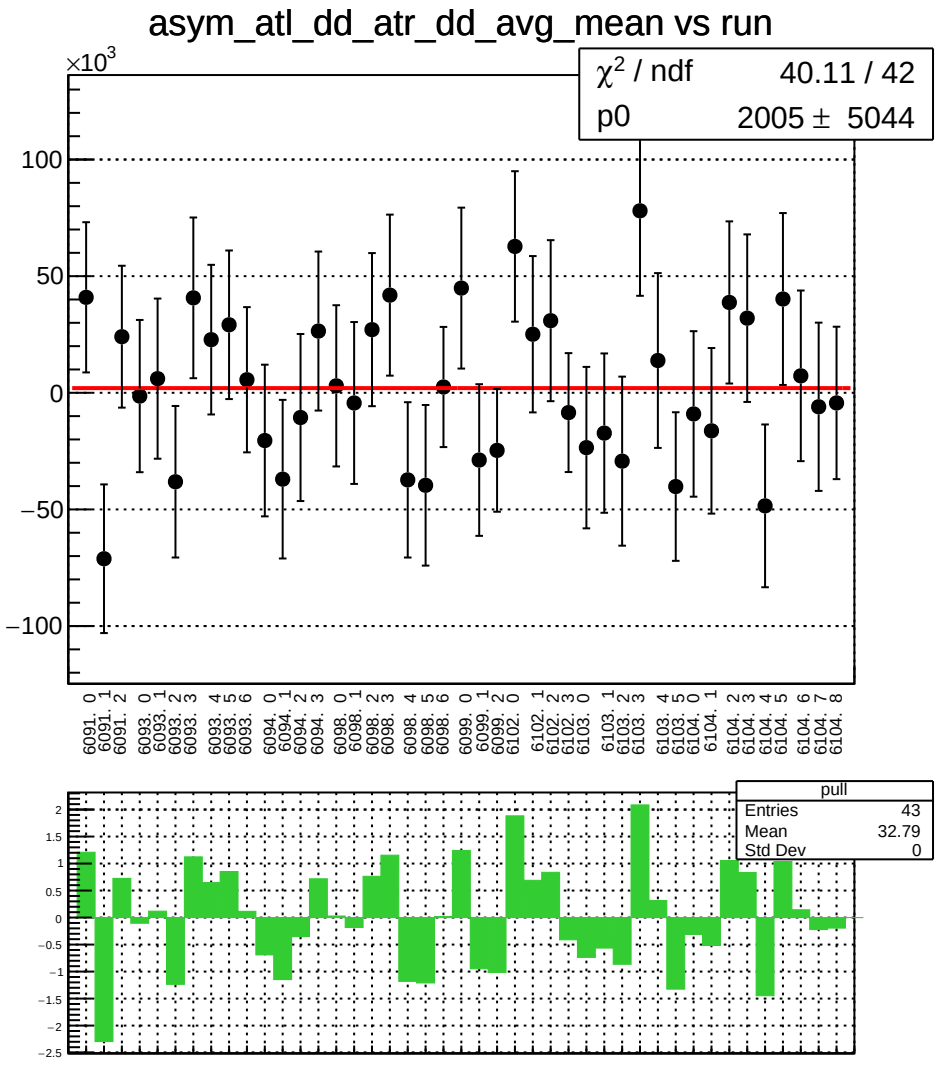
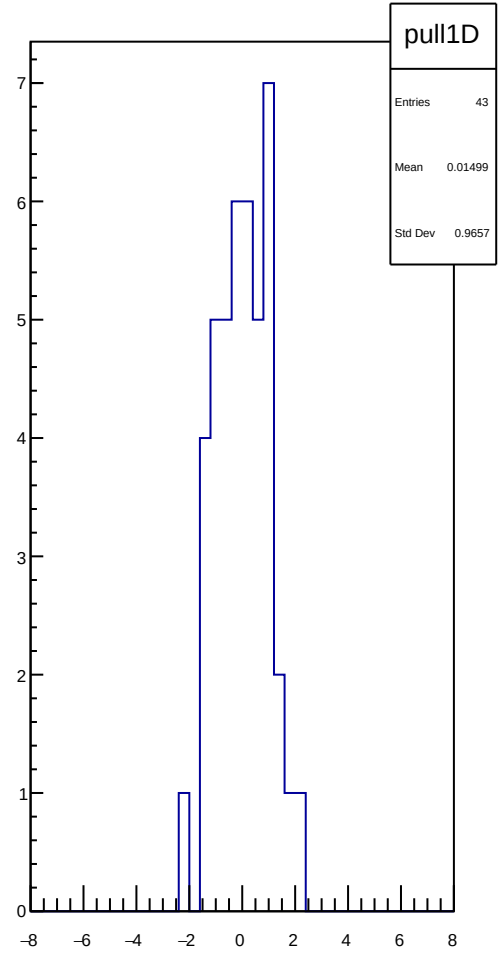
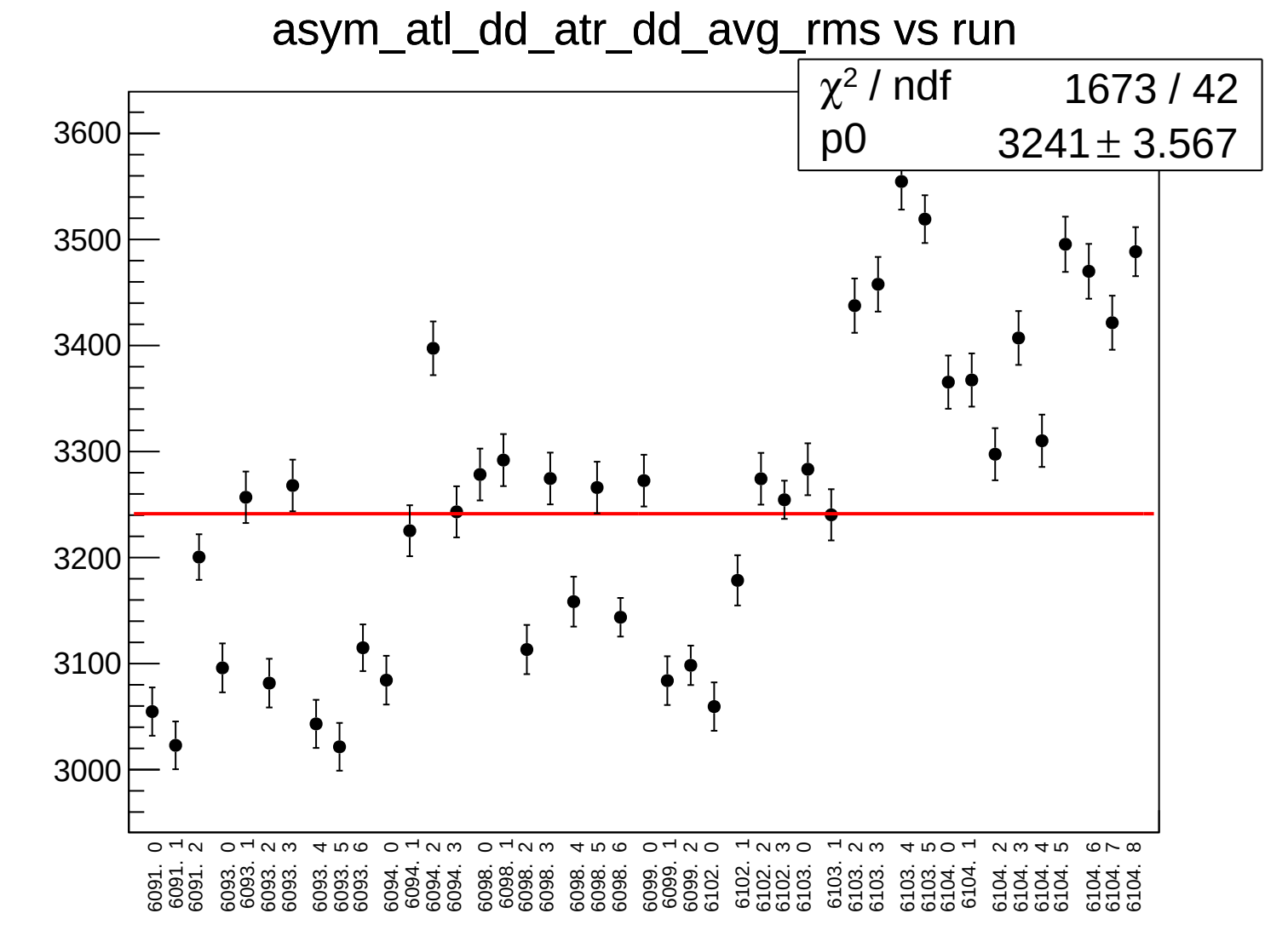
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

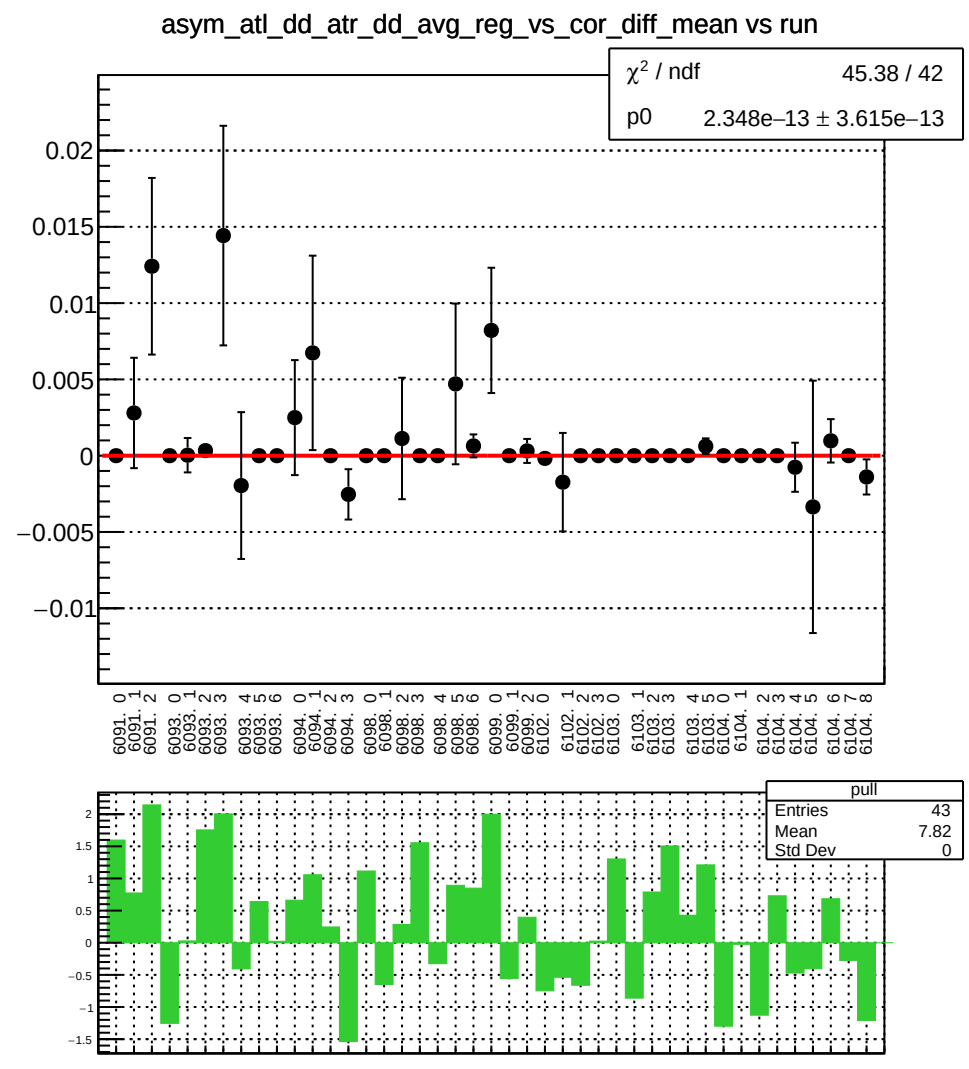

asym_atl_dd_atr_dd_avg_eigen_dit_correction_mean vs run
×10^3
χ² / ndf 39.37 / 42
p0 −2412 ± 4704
100
50
0
−50
−100
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 26.02
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 43
Mean −0.01136
Std Dev 0.9567
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

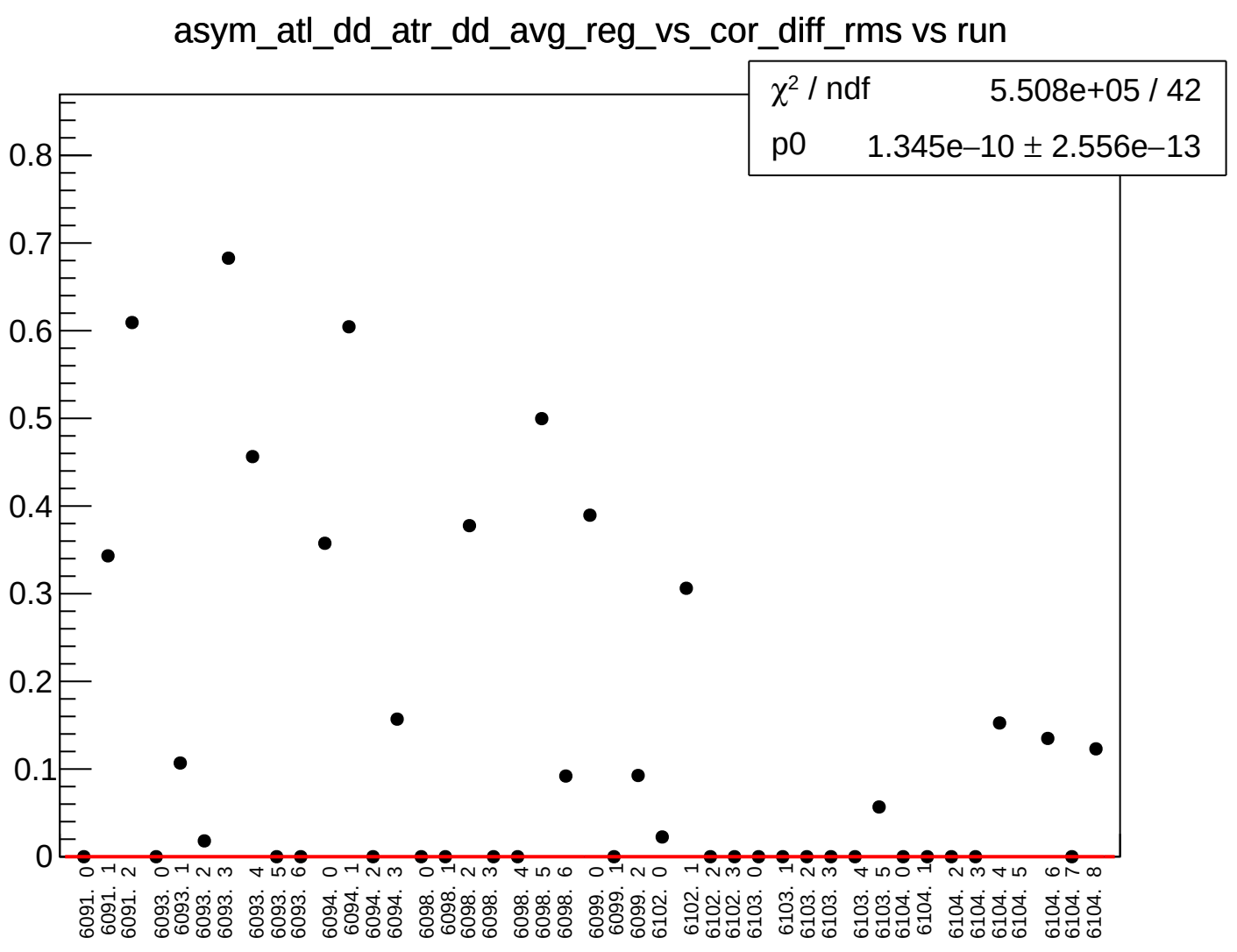

asym_atl_dd_atr_dd_avg_eigen_dit_correction_rms vs run
χ² / ndf 4284 / 42
p0 3018 ± 3.327
3500
3400
3300
3200
3100
3000
2900
2800
2700
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

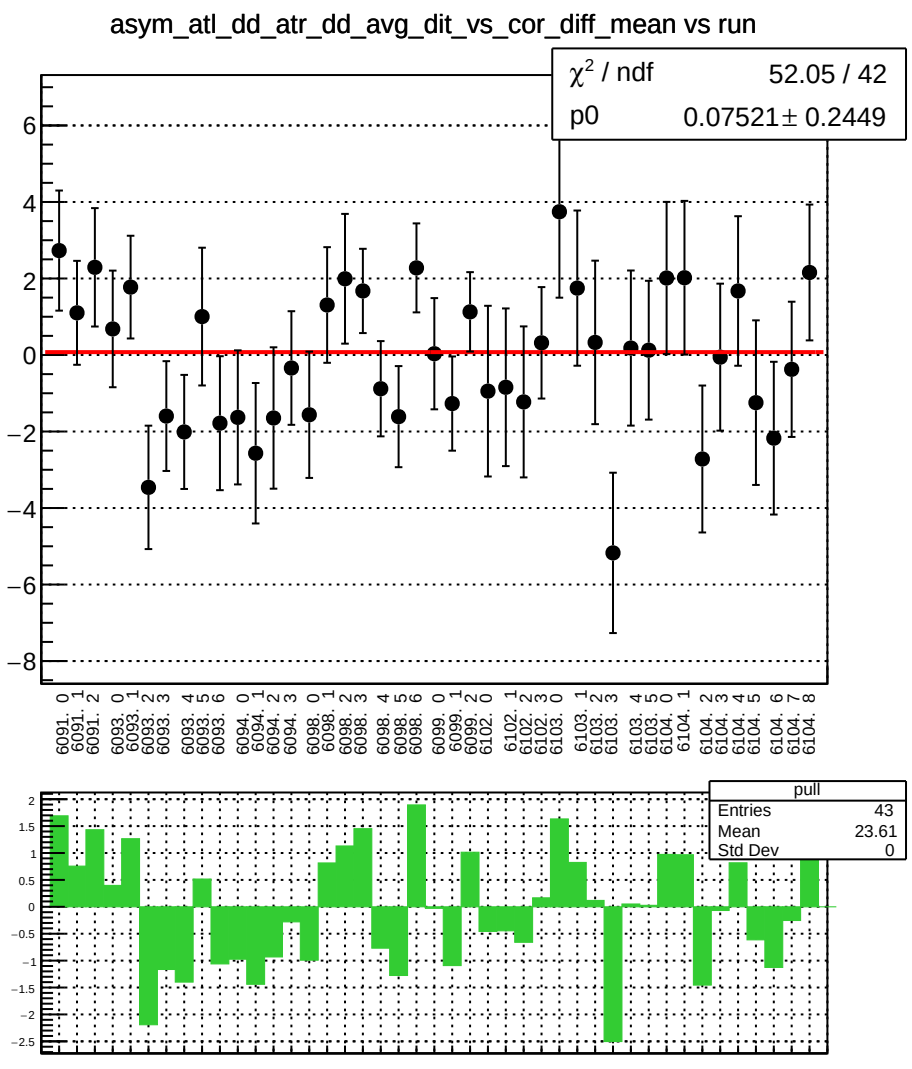

asym_atl_dd_atr_dd_avg_mean vs run
χ² / ndf 40.11 / 42
p0 2005 ± 5044
×10³
100
50
0
−50
−100
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 32.79
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

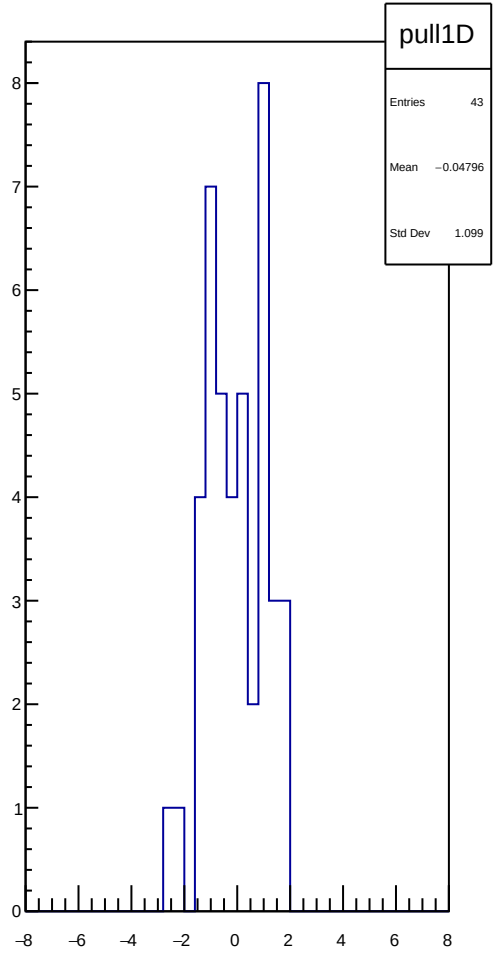

pull1D
Entries 43
Mean 0.01499
Std Dev 0.9657
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

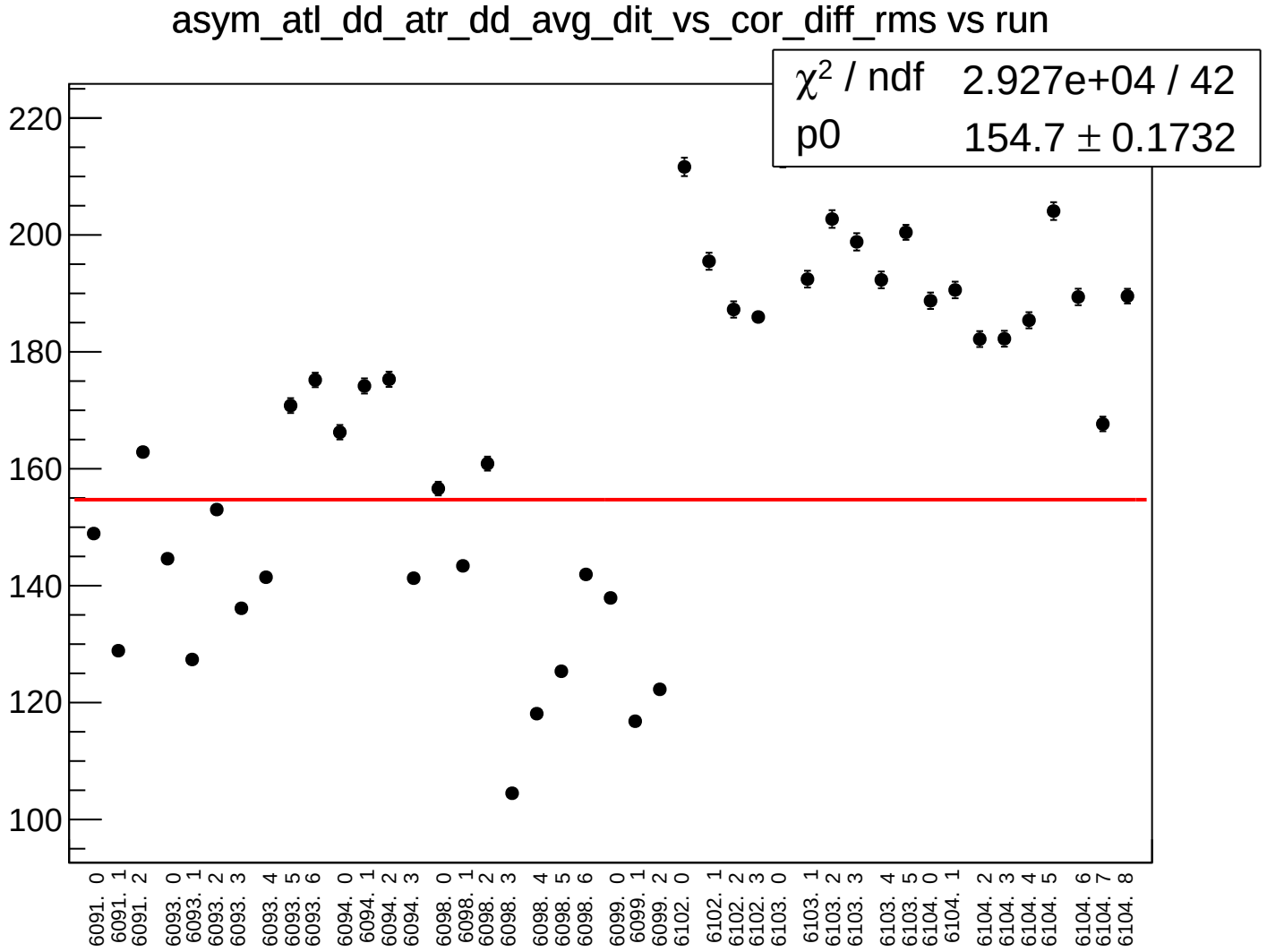

asym_atl_dd_atr_dd_avg_rms vs run
χ² / ndf 1673 / 42
p0 3241 ± 3.567
3600
3500
3400
3300
3200
3100
3000
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

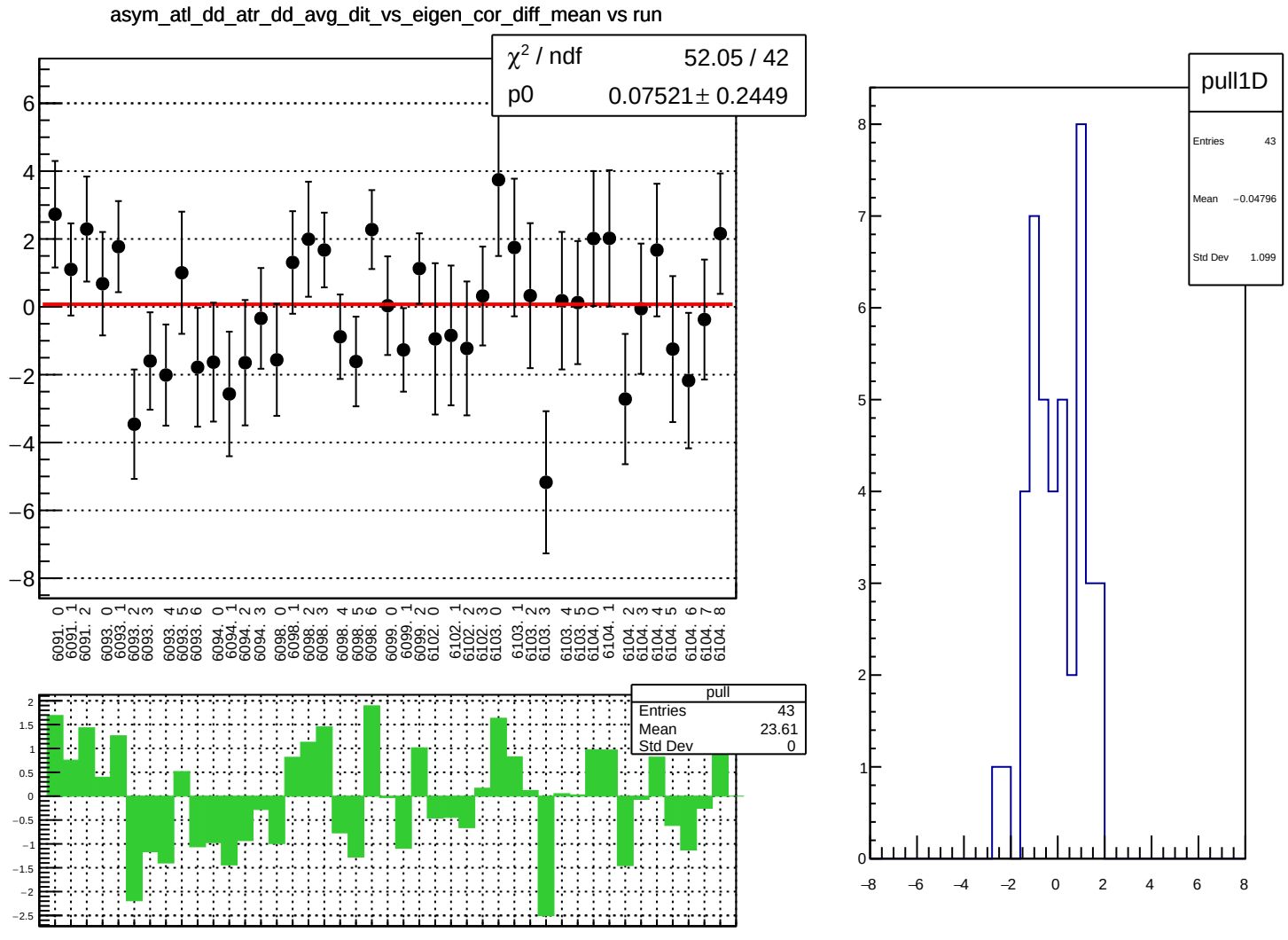

asym_atl_dd_atr_dd_avg_reg_vs_cor_diff_mean vs run
χ² / ndf 45.38 / 42
p0 2.348e−13 ± 3.615e−13
0.02
0.015
0.01
0.005
0
−0.005
−0.01
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 7.82
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 43
Mean 0.2873
Std Dev 0.9863
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

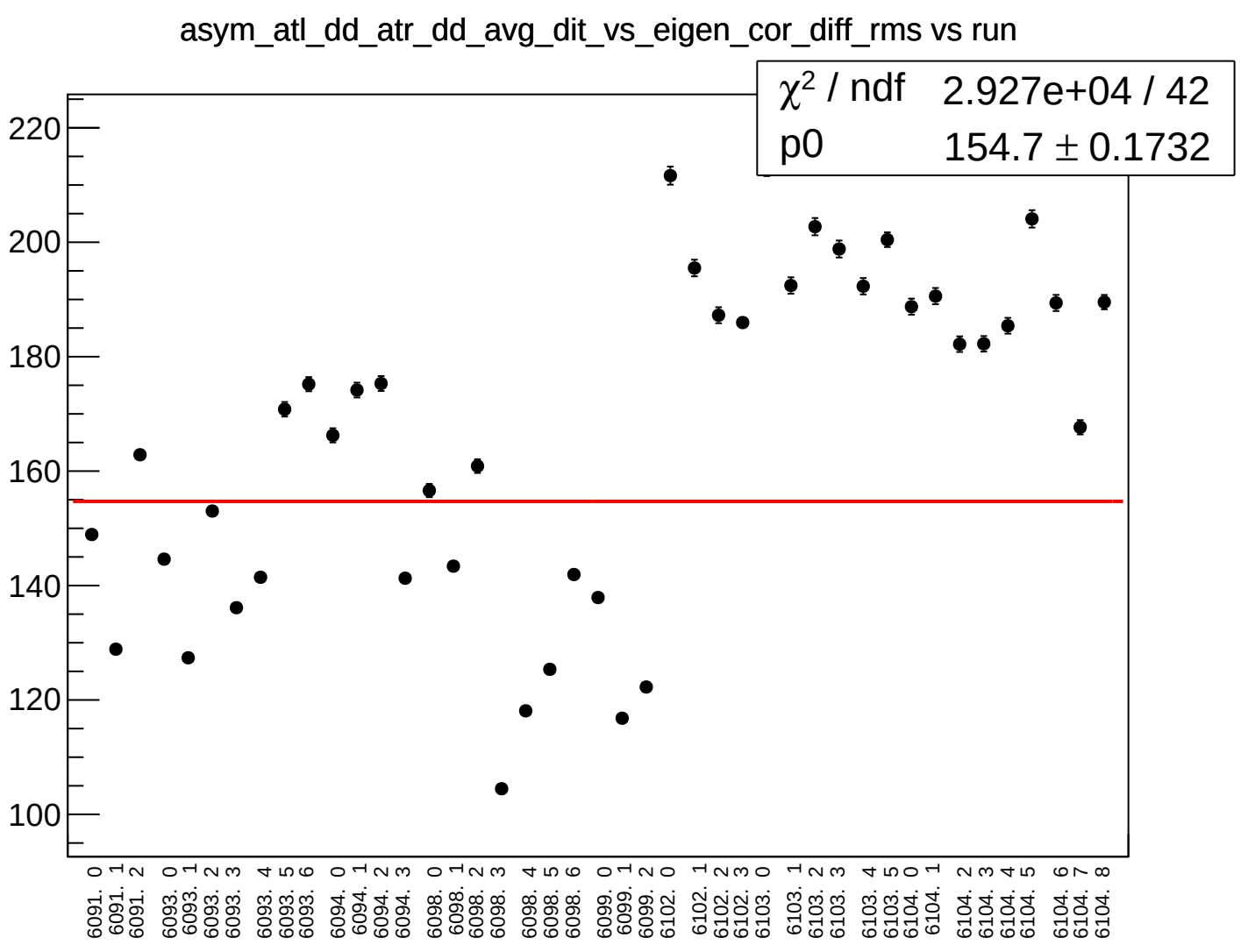

asym_atl_dd_atr_dd_avg_reg_vs_cor_diff_rms vs run
χ² / ndf 5.508e+05 / 42
p0 1.345e−10 ± 2.556e−13
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

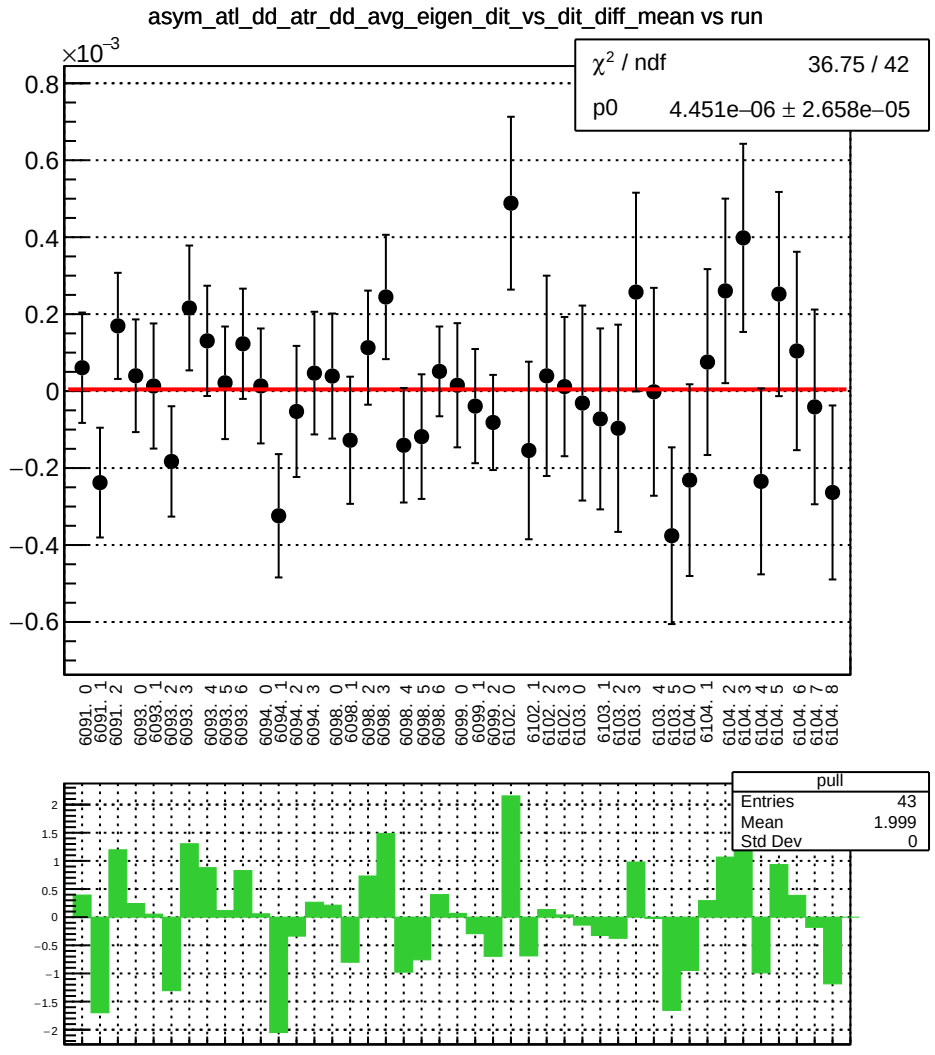

asym_atl_dd_atr_dd_avg_dit_vs_cor_diff_mean vs run
χ² / ndf 52.05 / 42
p0 0.07521 ± 0.2449
pull
Entries 43
Mean 23.61
Std Dev 0

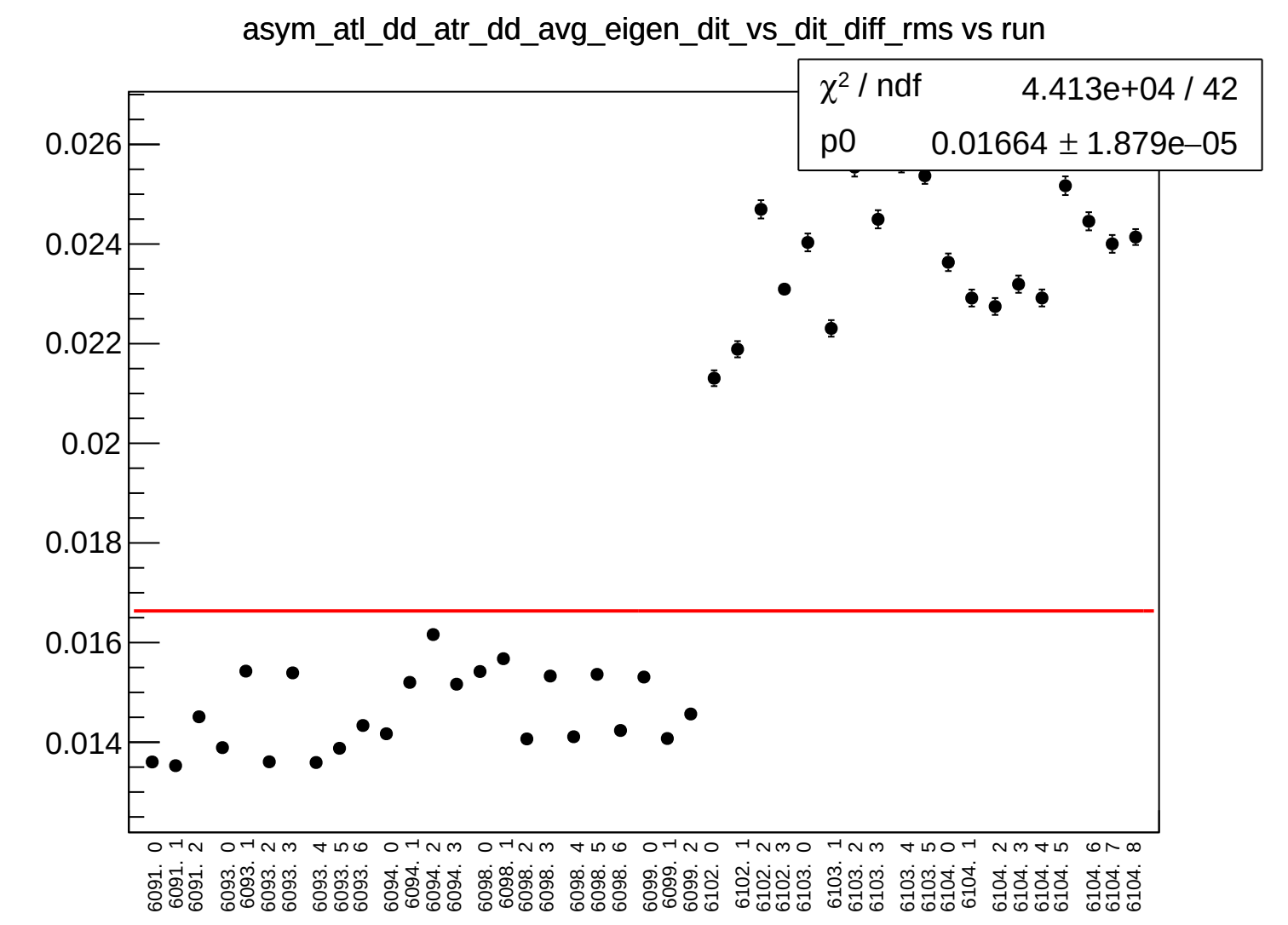

pull1D
Entries 43
Mean −0.04796
Std Dev 1.099

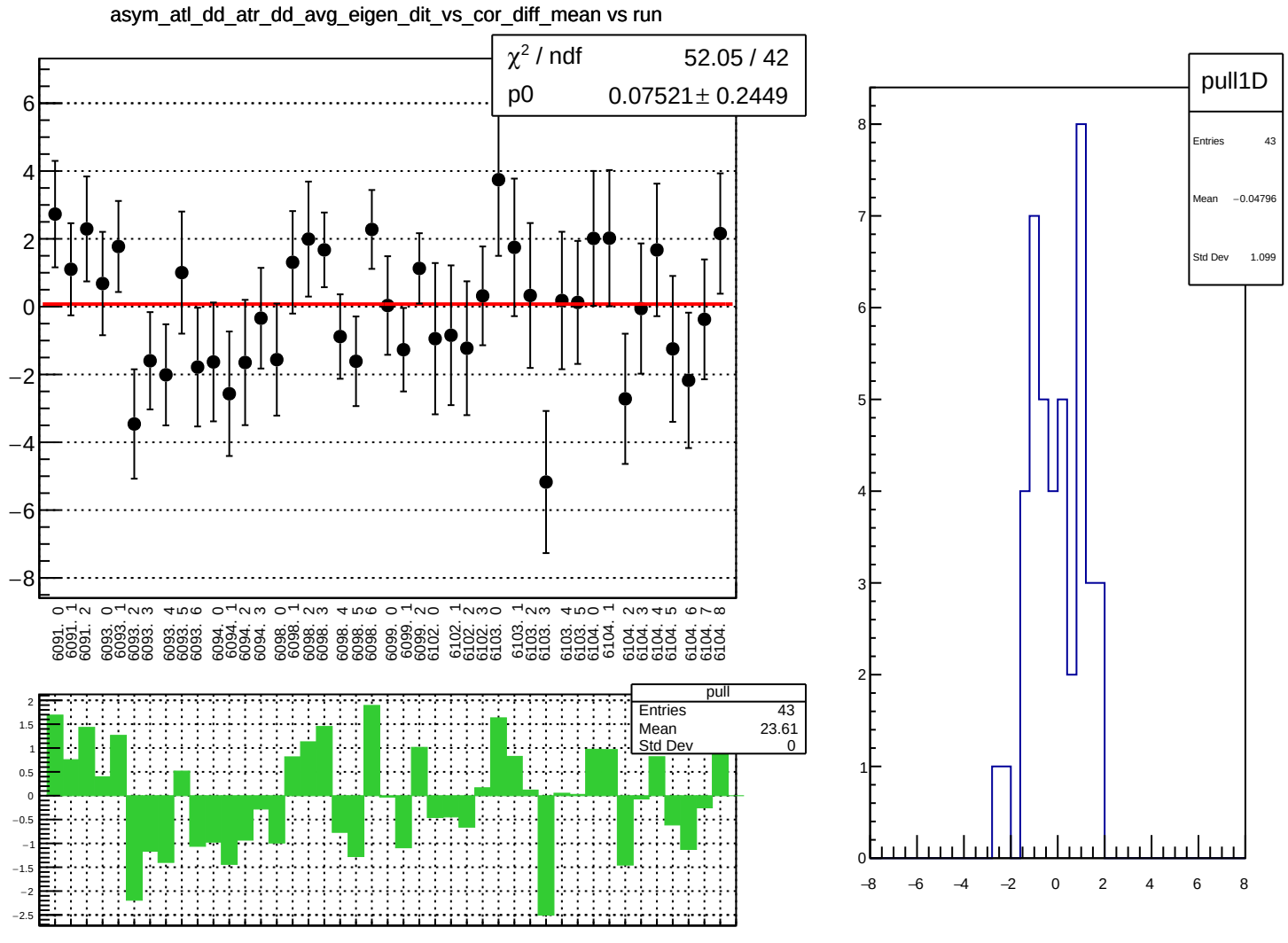

asym_atl_dd_atr_dd_avg_dit_vs_cor_diff_rms vs run
χ² / ndf 2.927e+04 / 42
p0 154.7 ± 0.1732
220
200
180
160
140
120
100
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

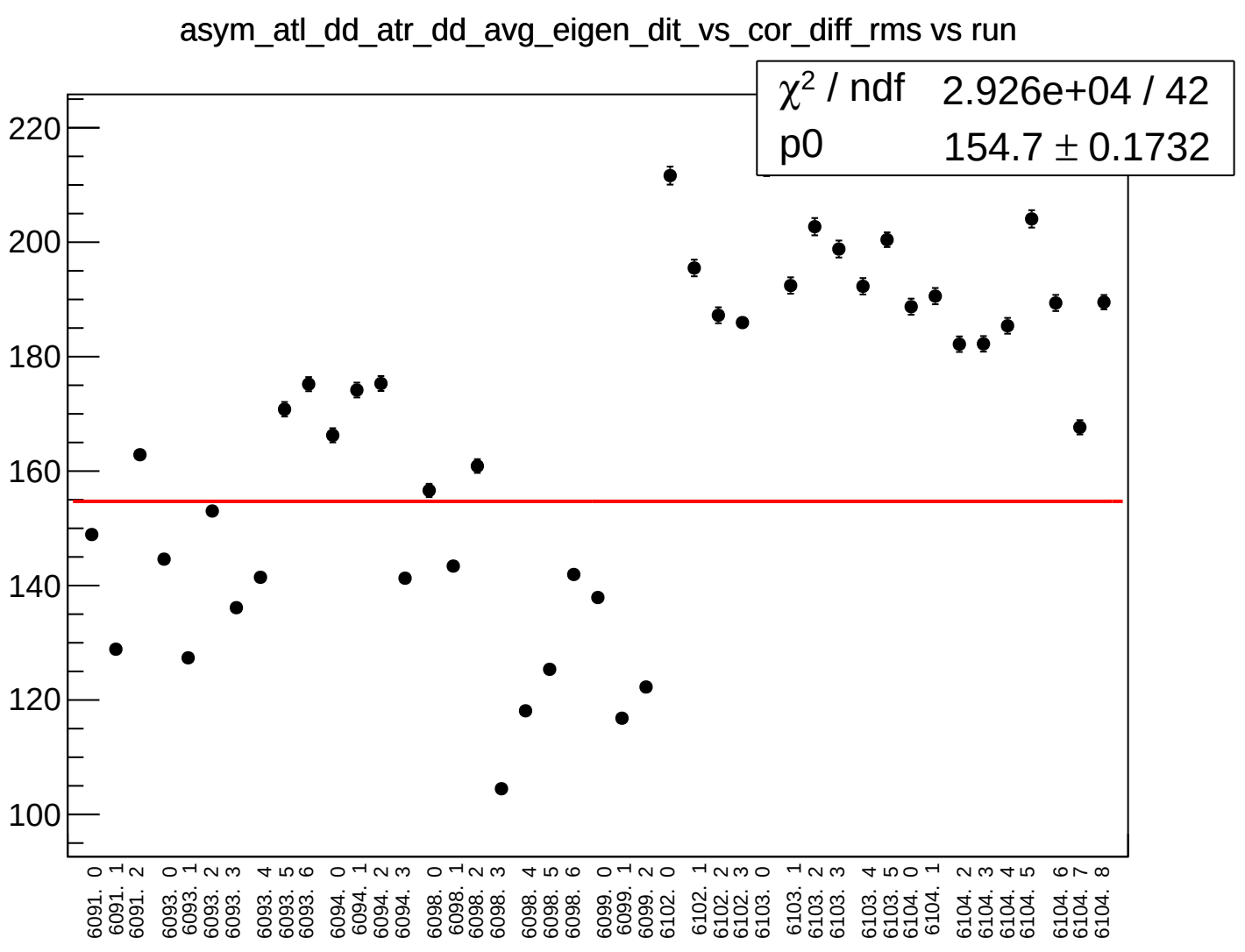

asym_atl_dd_atr_dd_avg_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 52.05 / 42
p0 0.07521 ± 0.2449
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 23.61
Std Dev 0
pull1D
Entries 43
Mean −0.04796
Std Dev 1.099

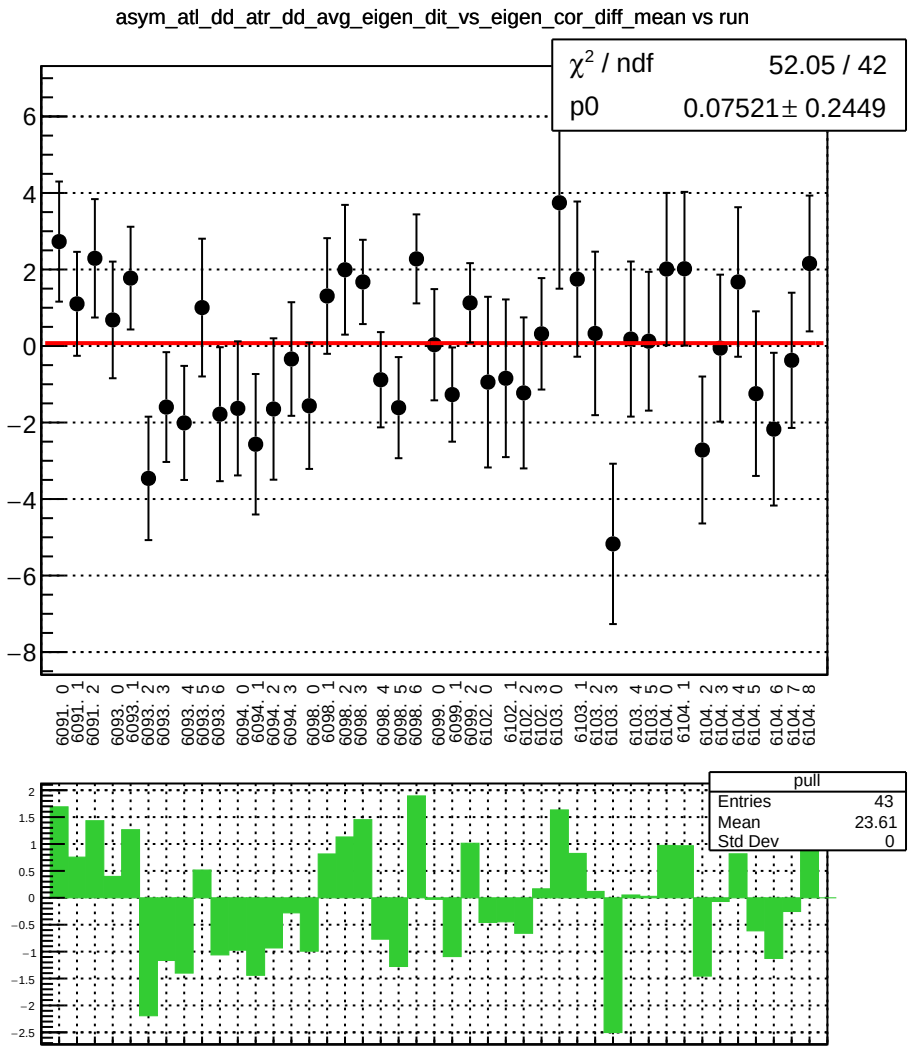

asym_atl_dd_atr_dd_avg_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 2.927e+04 / 42
p0 154.7 ± 0.1732
220
200
180
160
140
120
100
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

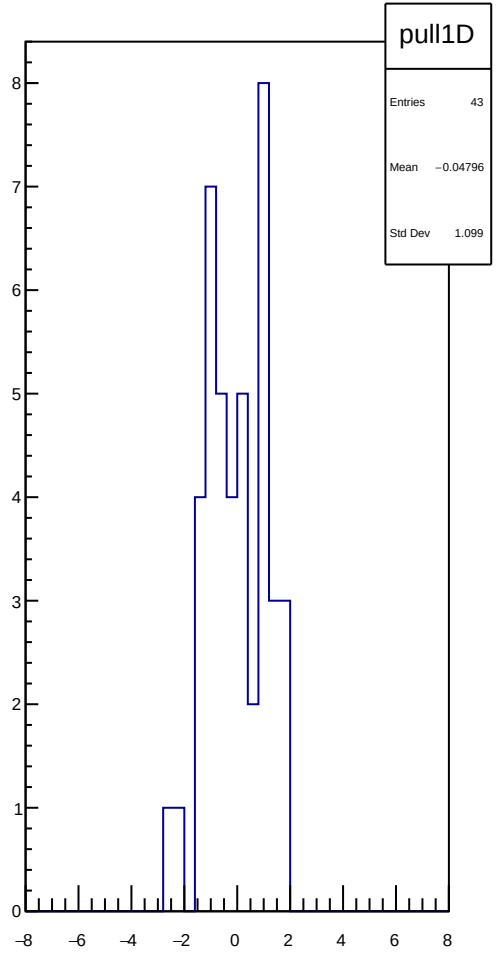

asym_atl_dd_atr_dd_avg_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 36.75 / 42
p0 4.451e−06 ± 2.658e−05
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 1.999
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 43
Mean 0.009714
Std Dev 0.9244
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

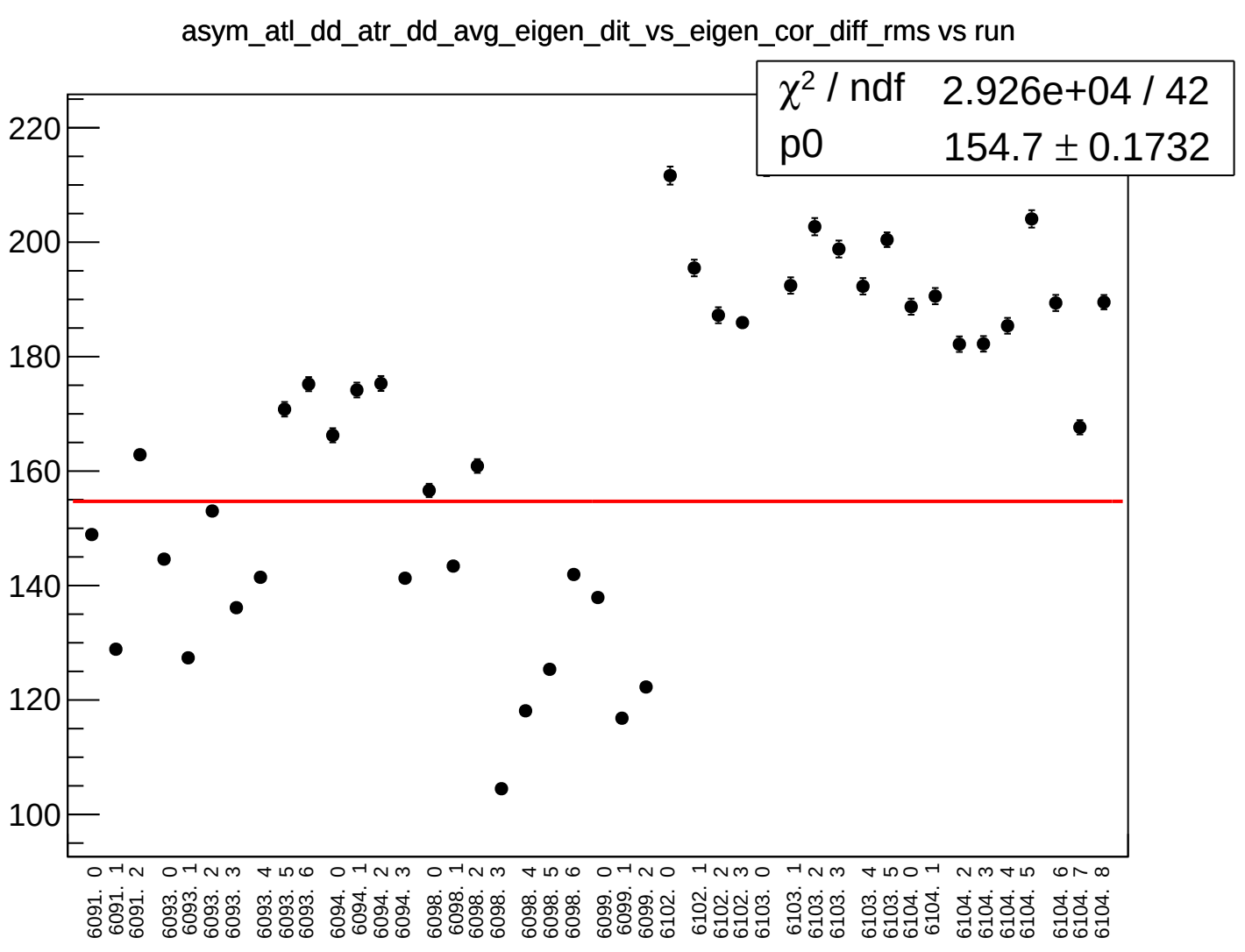

asym_atl_dd_atr_dd_avg_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 4.413e+04 / 42
p0 0.01664 ± 1.879e−05
0.026
0.024
0.022
0.02
0.018
0.016
0.014
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

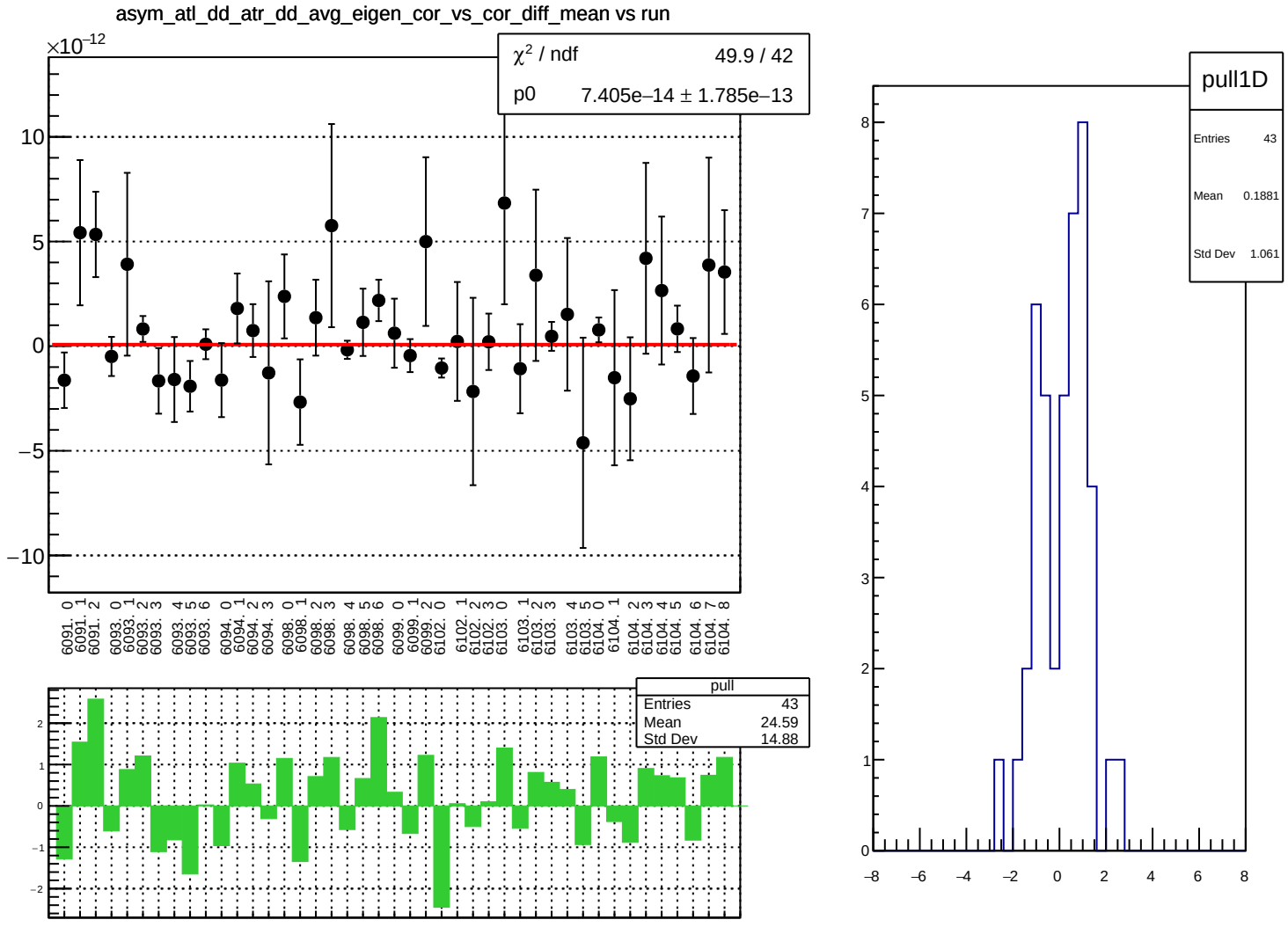

asym_atl_dd_atr_dd_avg_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 52.05 / 42
p0 0.07521 ± 0.2449
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 23.61
Std Dev 0
pull1D
Entries 43
Mean −0.04796
Std Dev 1.099

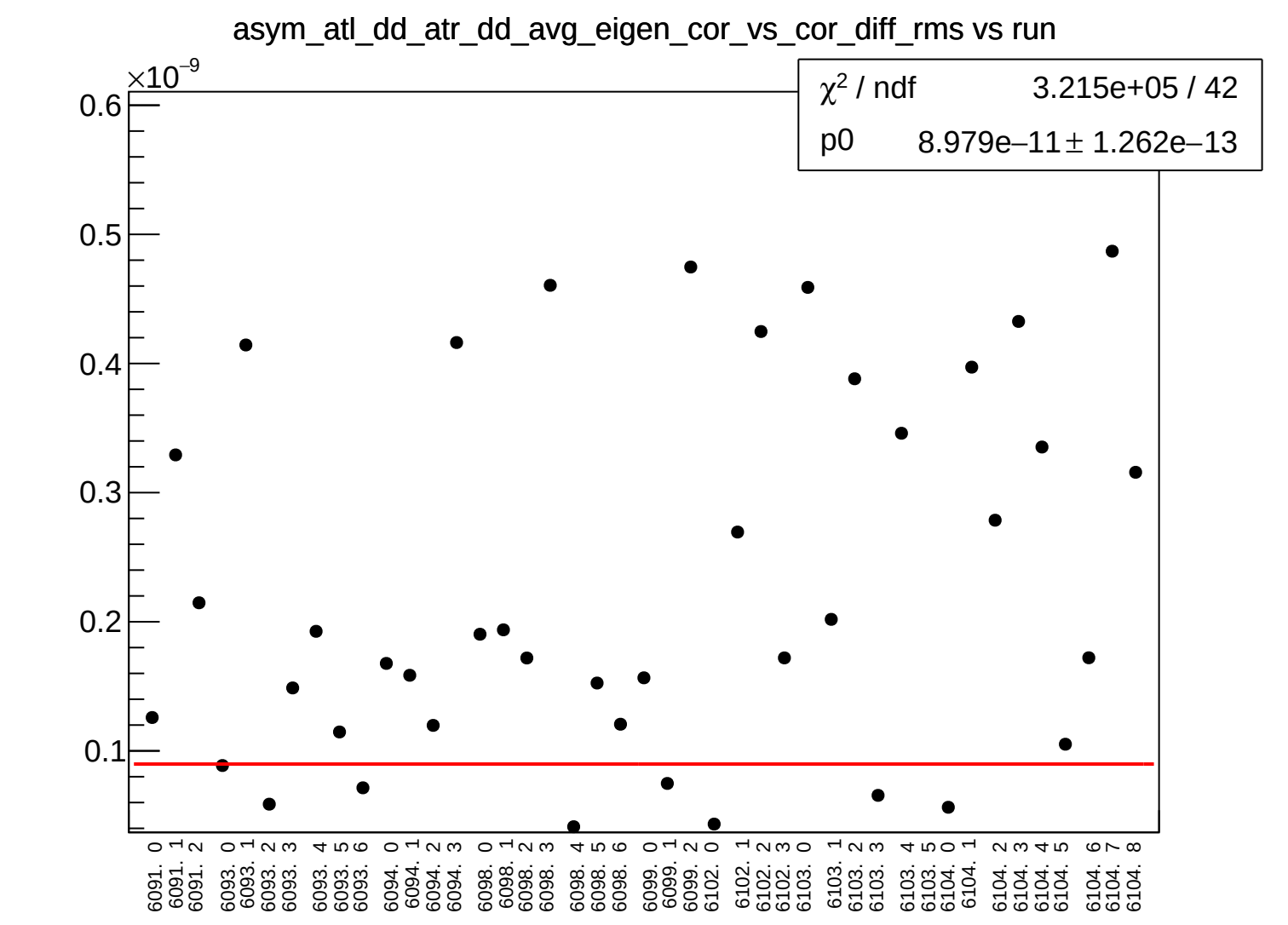

asym_atl_dd_atr_dd_avg_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 2.926e+04 / 42
p0 154.7 ± 0.1732
220
200
180
160
140
120
100
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

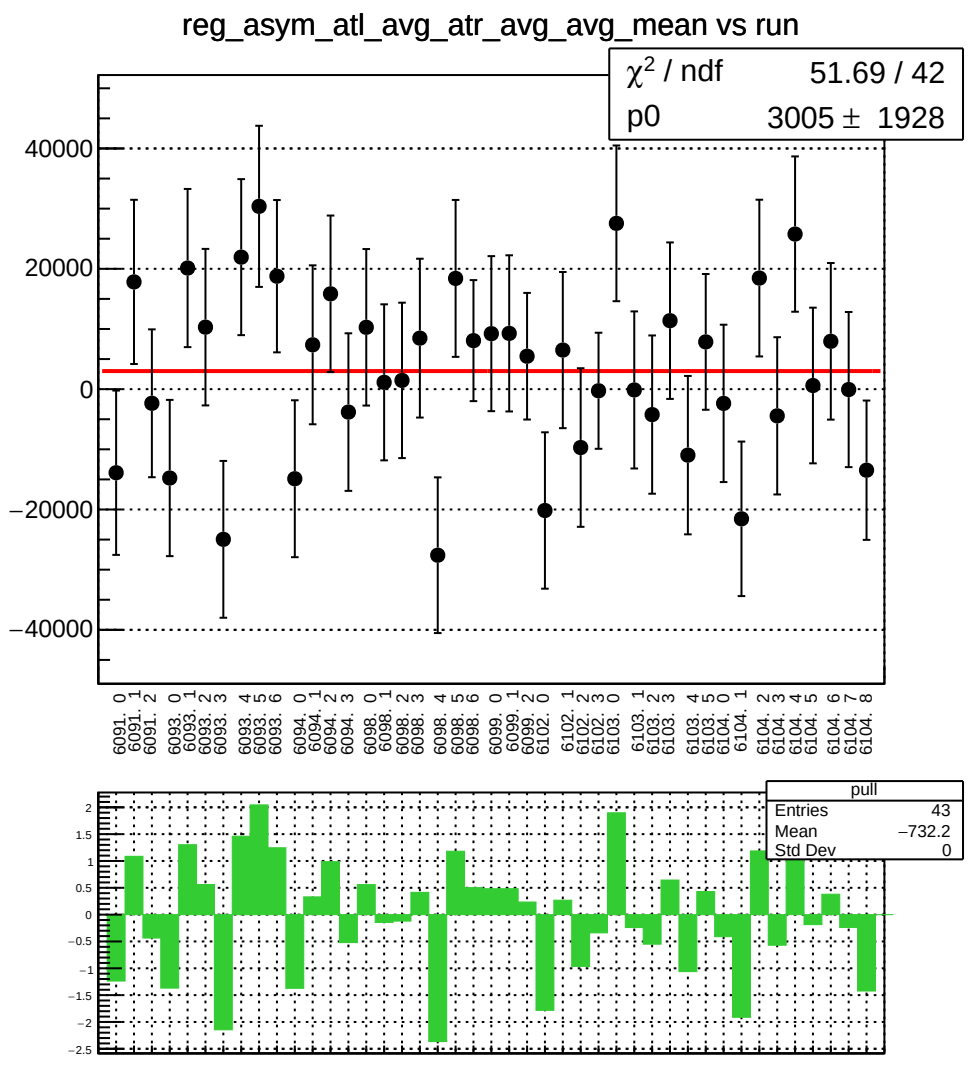

asym_atl_dd_atr_dd_avg_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 52.05 / 42
p0 0.07521 ± 0.2449
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 23.61
Std Dev 0

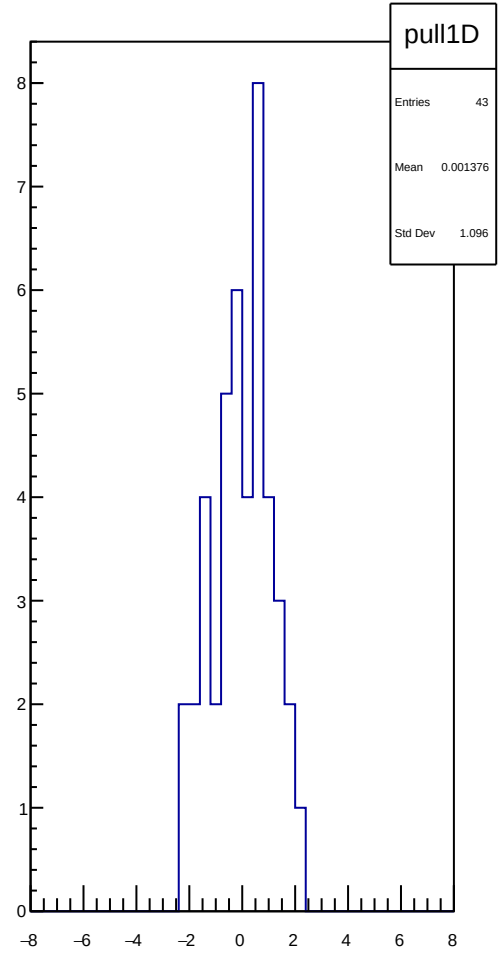

pull1D
Entries 43
Mean −0.04796
Std Dev 1.099

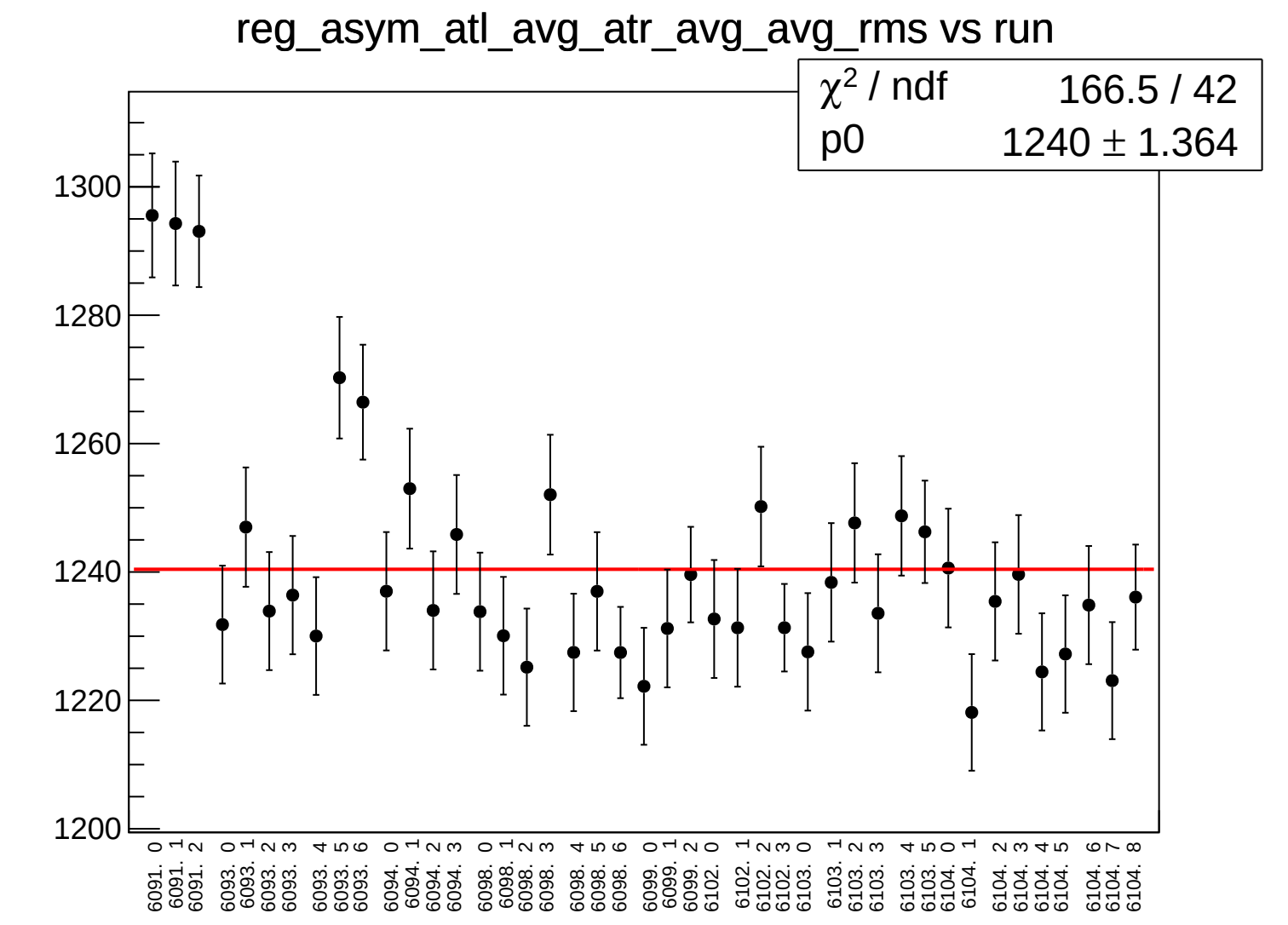

asym_atl_dd_atr_dd_avg_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 2.926e+04 / 42
p0 154.7 ± 0.1732
220
200
180
160
140
120
100
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

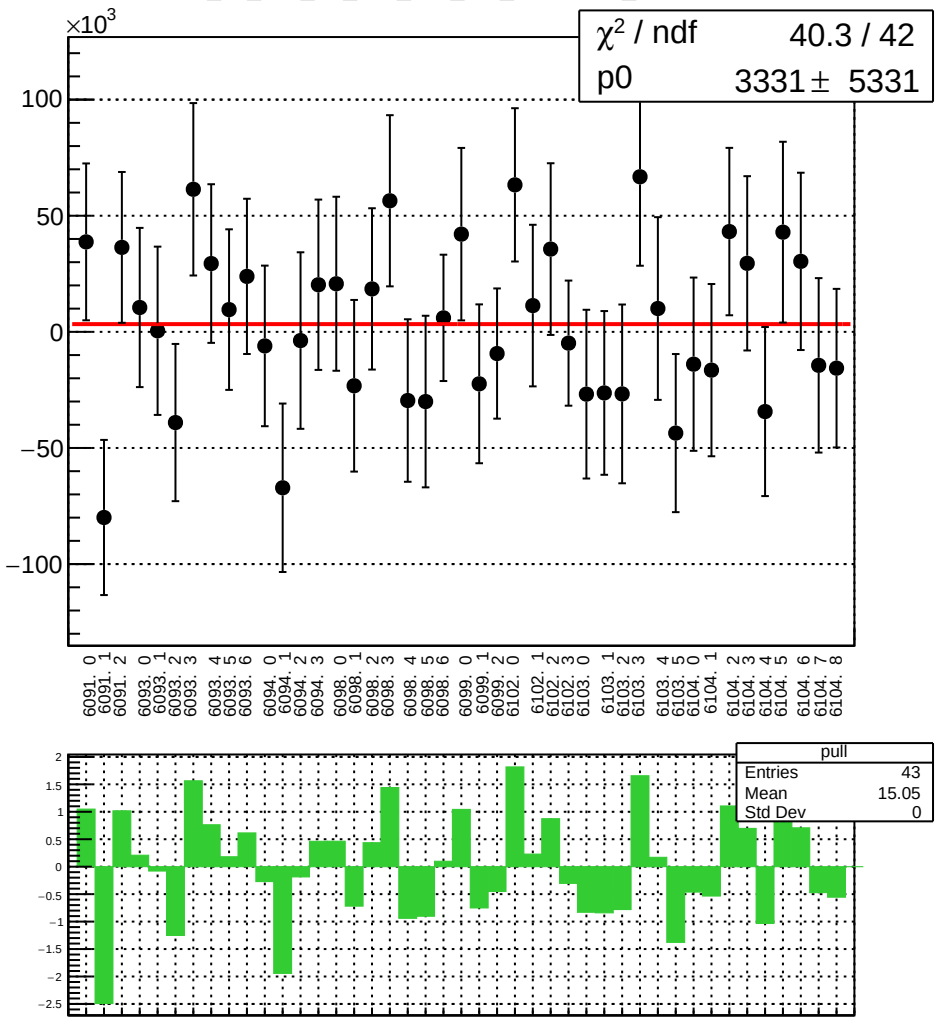

asym_atl_dd_atr_dd_avg_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 49.9 / 42
p0 7.405e−14 ± 1.785e−13
10
5
0
−5
−10
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 24.59
Std Dev 14.88
2
1
0
−1
−2
pull1D
Entries 43
Mean 0.1881
Std Dev 1.061
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

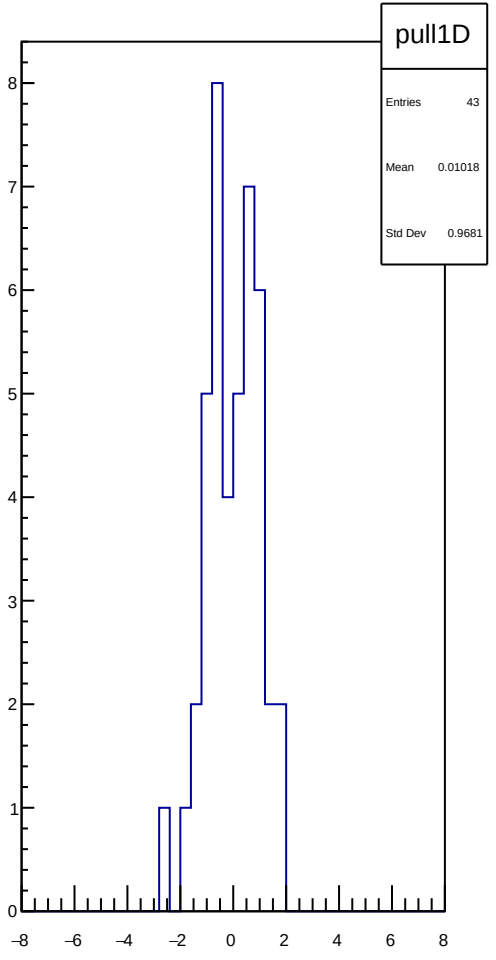

asym_atl_dd_atr_dd_avg_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 3.215e+05 / 42
p0 8.979e−11 ± 1.262e−13
0.6
0.5
0.4
0.3
0.2
0.1
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

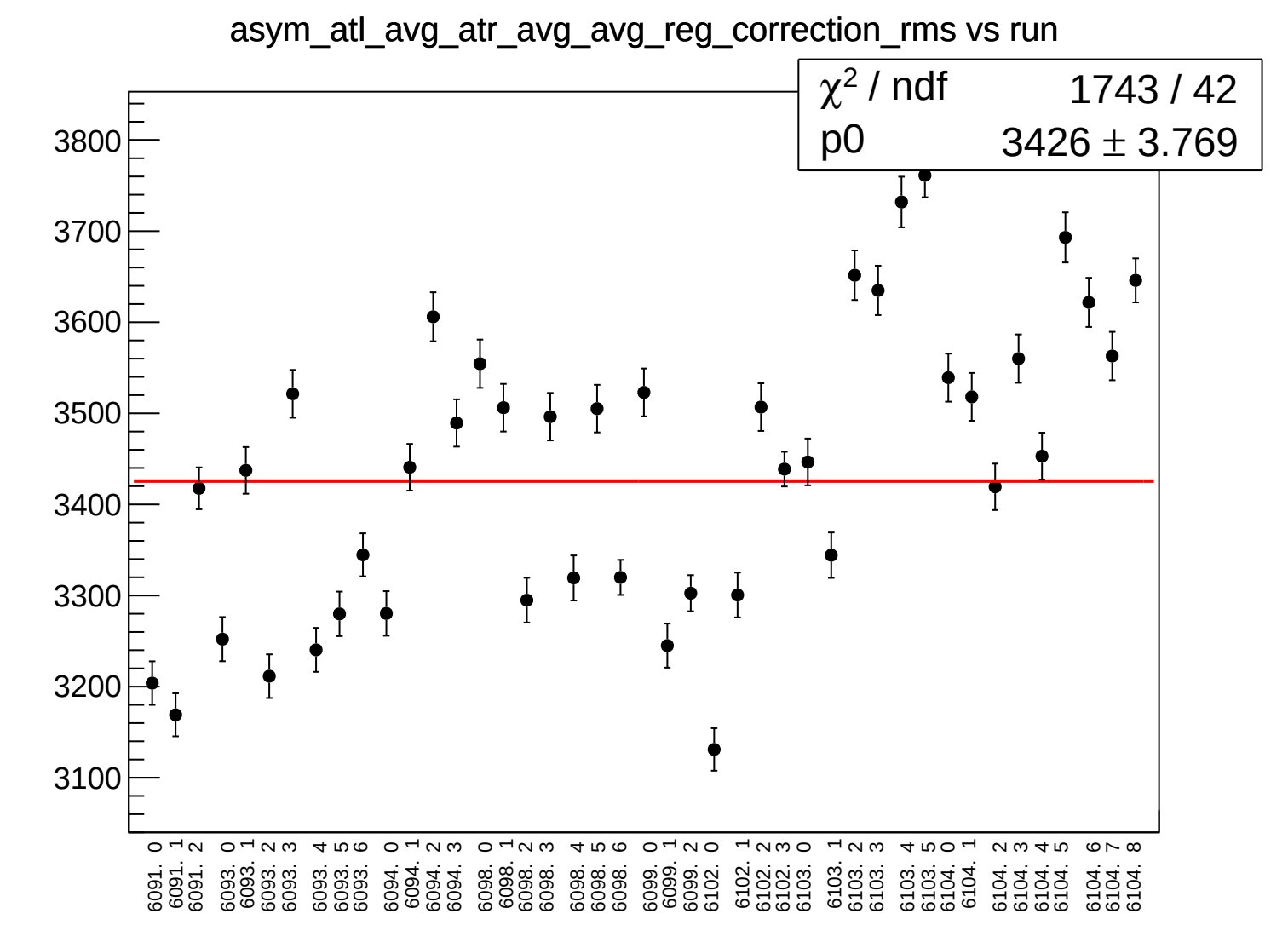

reg_asym_atl_avg_atr_avg_avg_mean vs run
χ² / ndf 51.69 / 42
p0 3005 ± 1928
40000
20000
0
−20000
−40000
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean −732.2
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

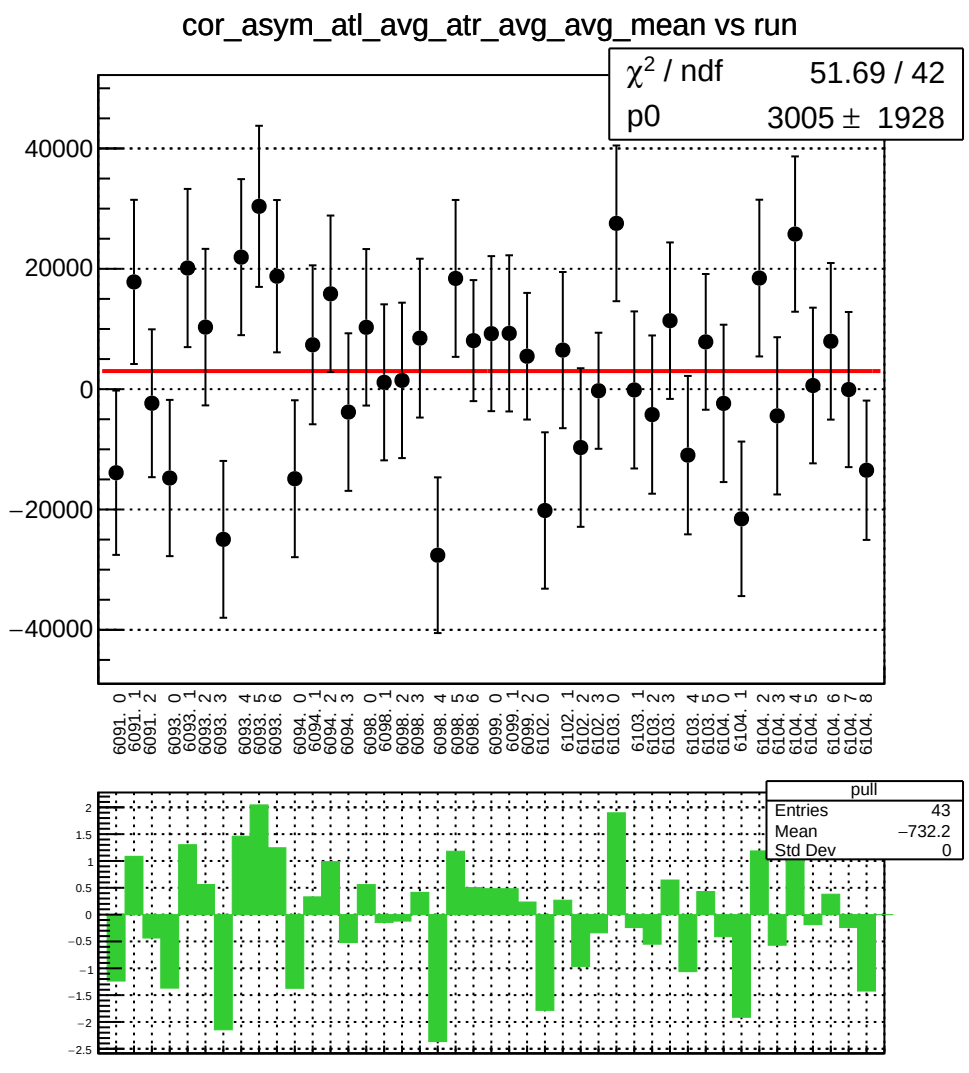

pull1D
Entries 43
Mean 0.001376
Std Dev 1.096
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

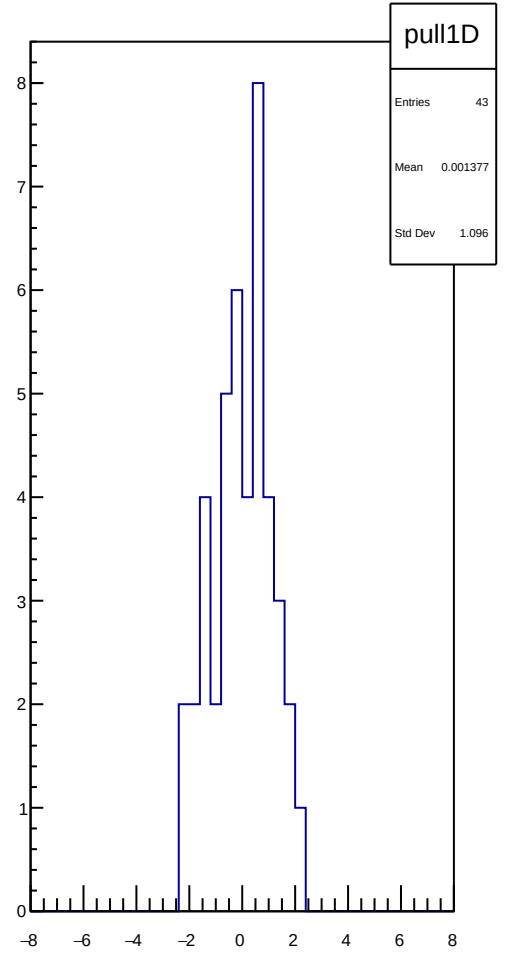

reg_asym_atl_avg_atr_avg_avg_rms vs run
χ² / ndf 166.5 / 42
p0 1240 ± 1.364
1300
1280
1260
1240
1220
1200
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

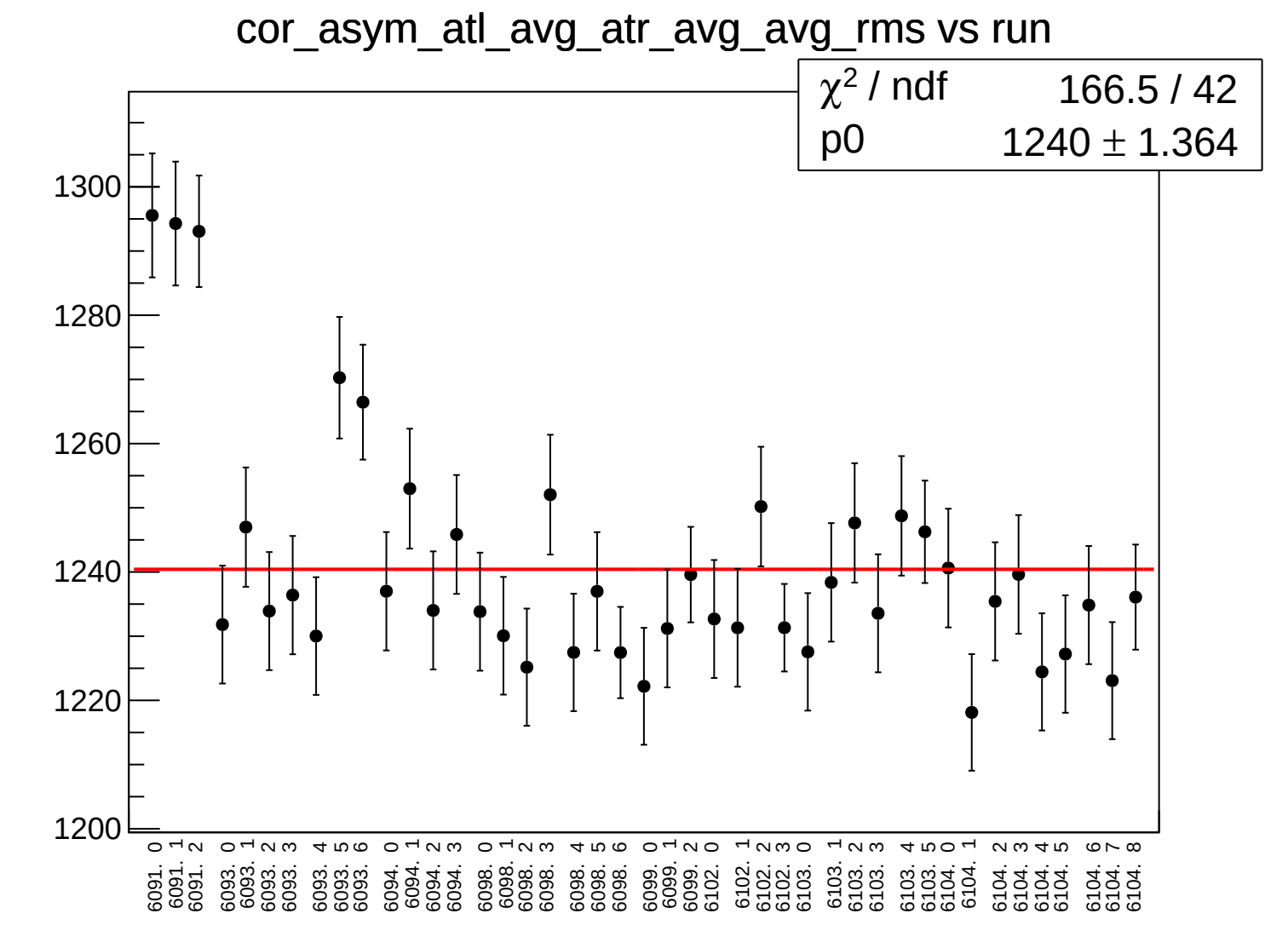

asym_atl_avg_atr_avg_avg_reg_correction_mean vs run
×10^3
χ² / ndf 40.3 / 42
p0 3331 ± 5331
100
50
0
−50
−100
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 15.05
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

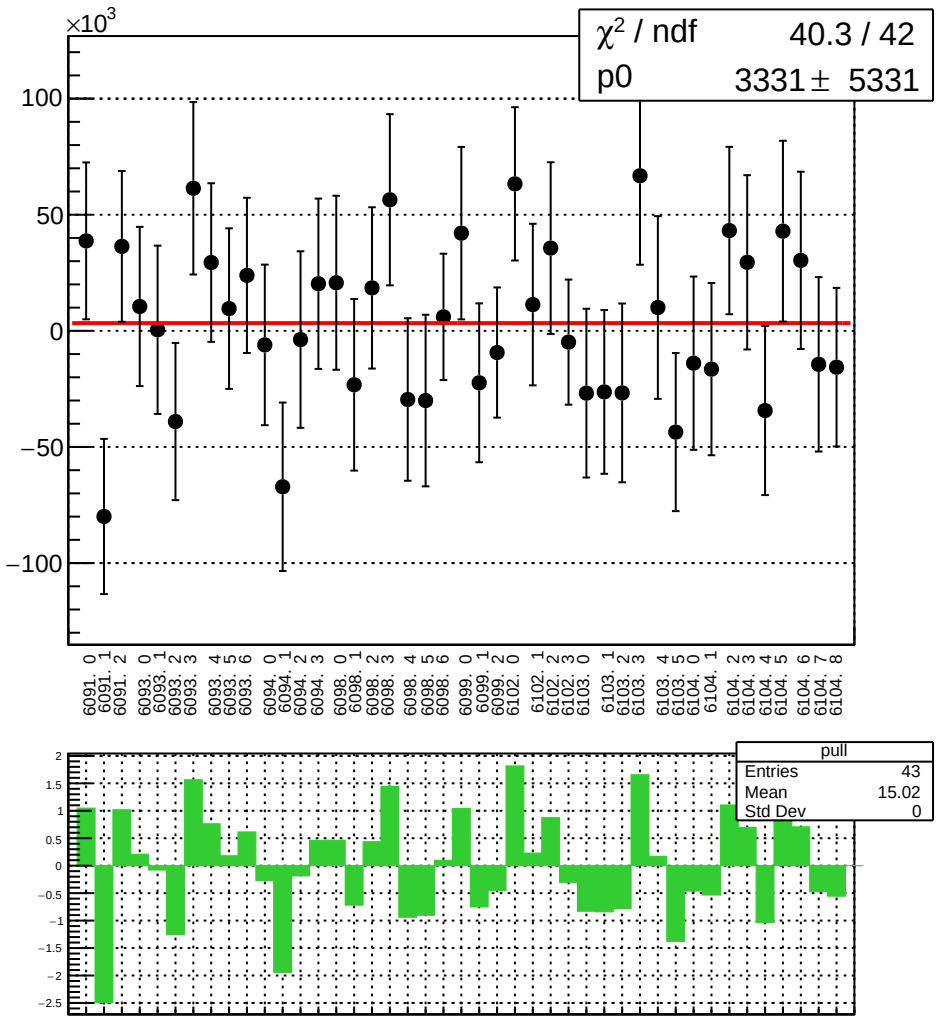

pull1D
Entries 43
Mean 0.01018
Std Dev 0.9681
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

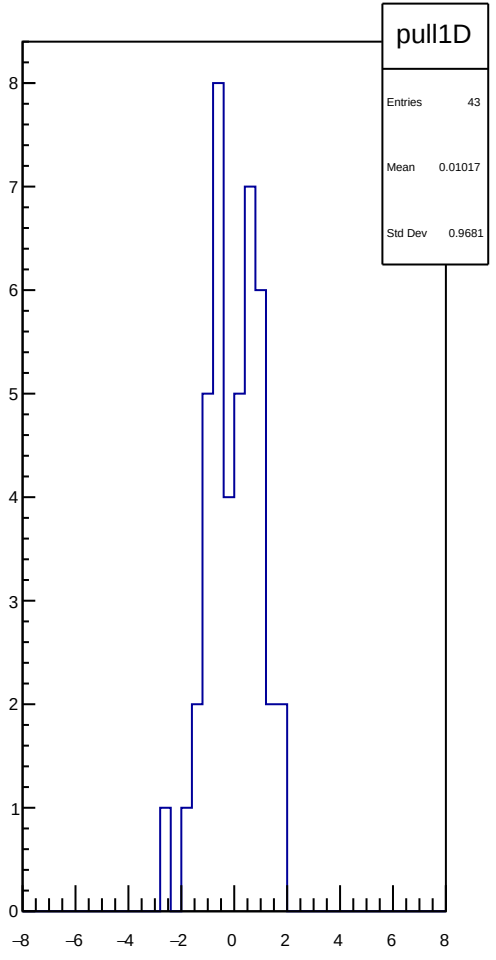

asym_atl_avg_atr_avg_avg_reg_correction_rms vs run
χ² / ndf 1743 / 42
p0 3426 ± 3.769
3800
3700
3600
3500
3400
3300
3200
3100
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

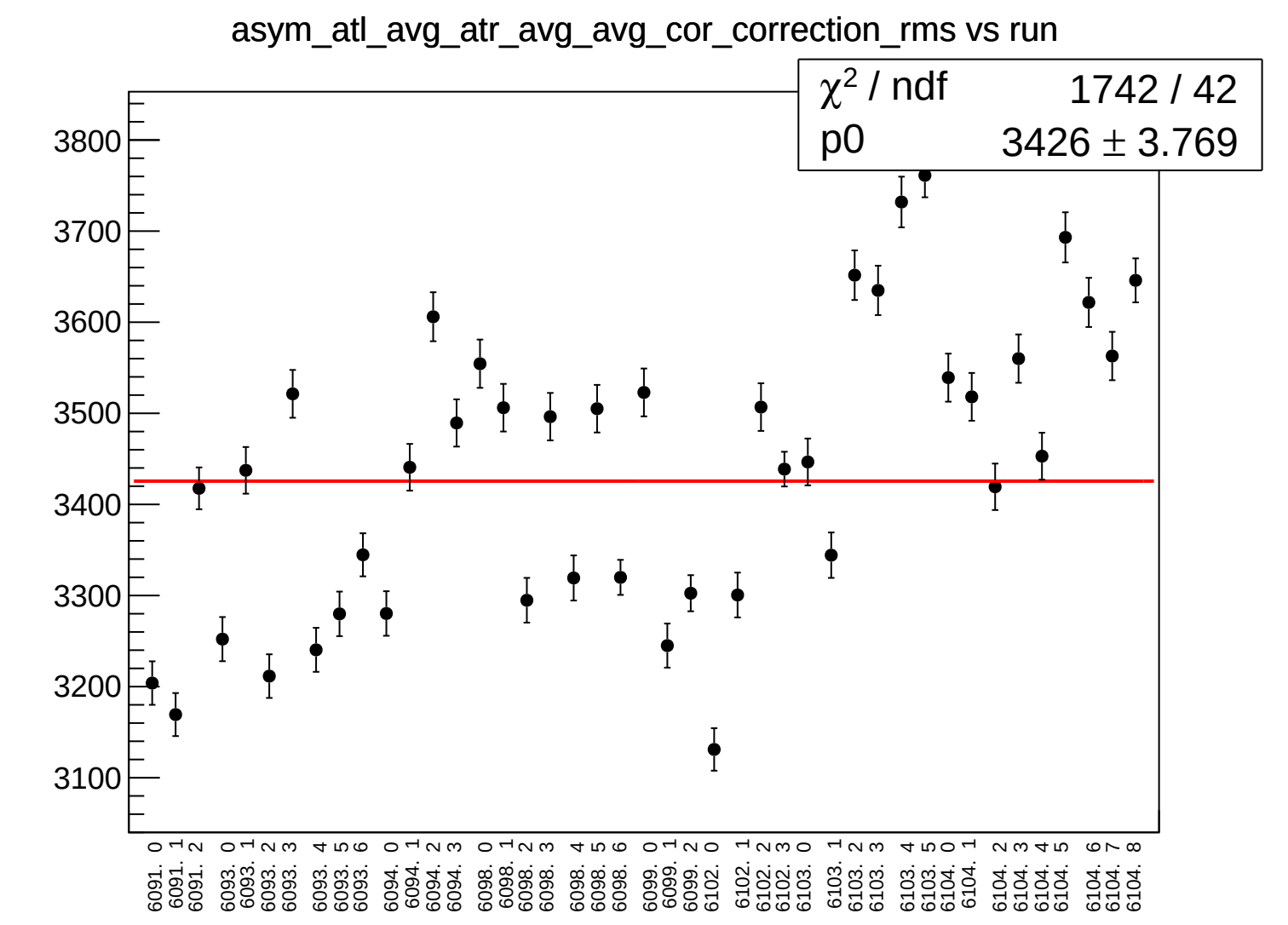

cor_asym_atl_avg_atr_avg_avg_mean vs run
χ² / ndf 51.69 / 42
p0 3005 ± 1928
40000
20000
0
−20000
−40000
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean −732.2
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

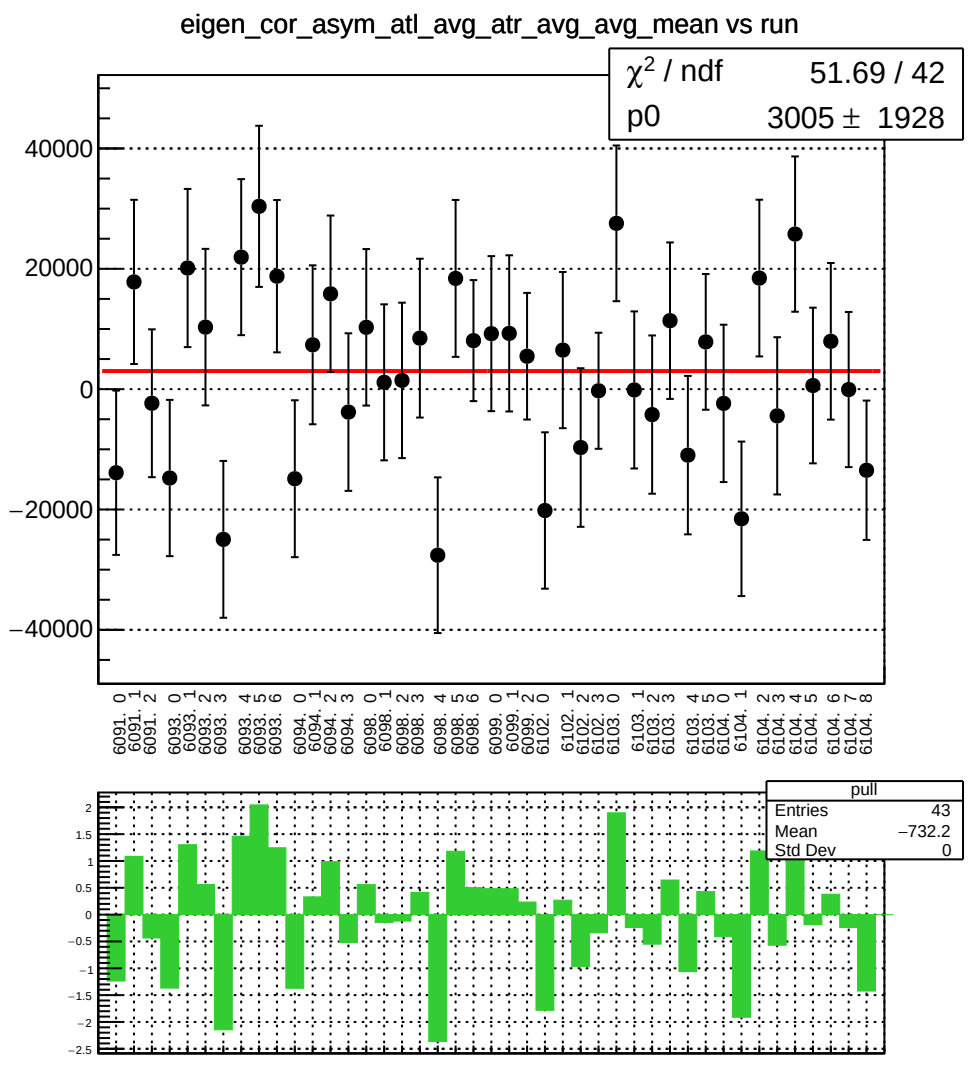

pull1D
Entries 43
Mean 0.001377
Std Dev 1.096
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

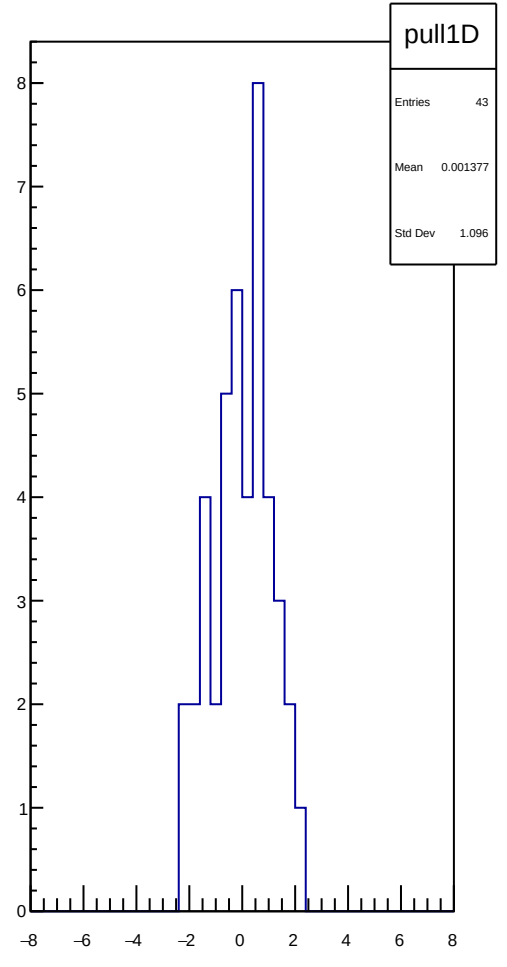

cor_asym_atl_avg_atr_avg_avg_rms vs run
χ² / ndf 166.5 / 42
p0 1240 ± 1.364
1300
1280
1260
1240
1220
1200
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

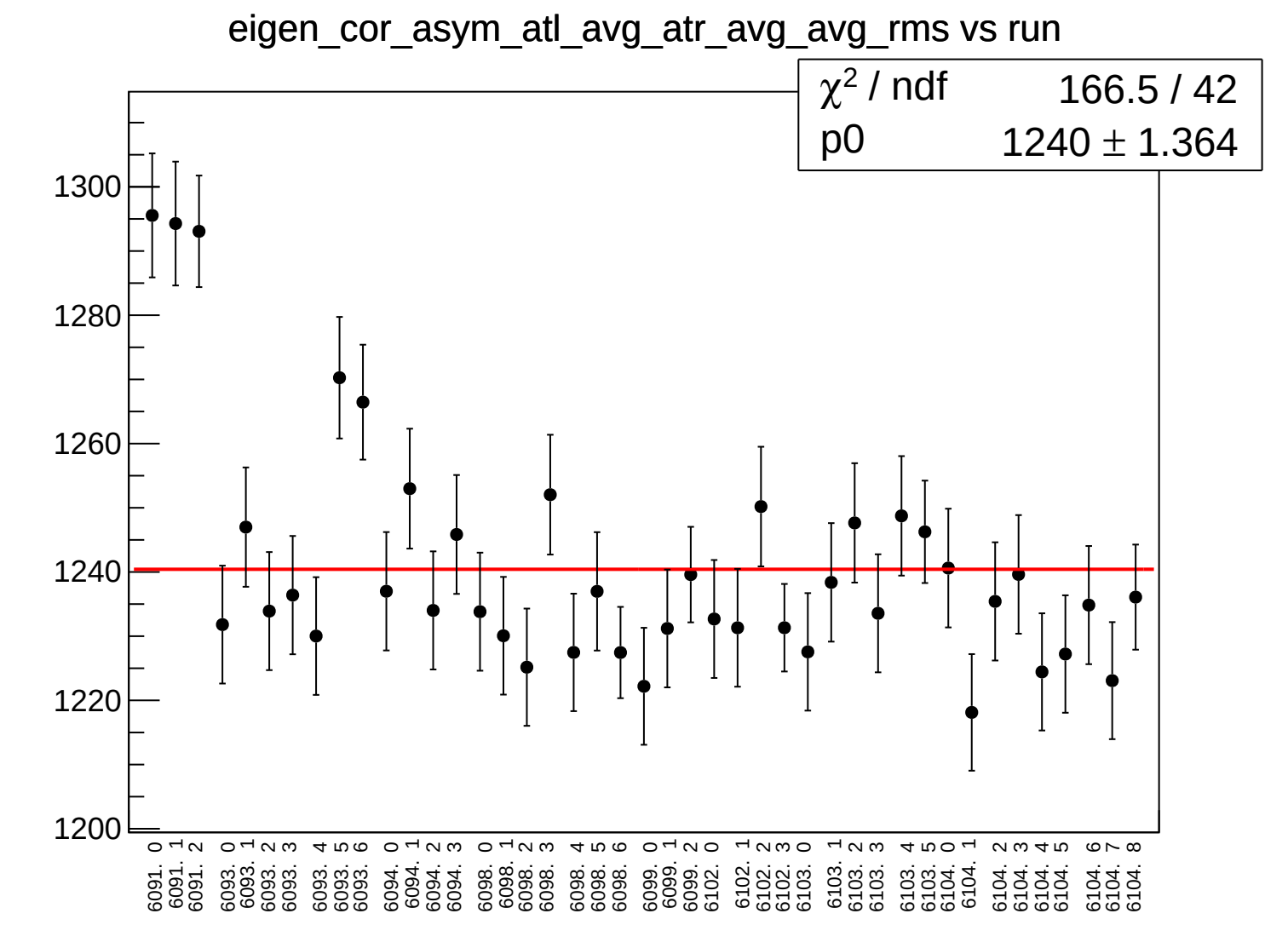

asym_atl_avg_atr_avg_avg_cor_correction_mean vs run
χ² / ndf 40.3 / 42
p0 3331 ± 5331
×10³
pull
Entries 43
Mean 15.02
Std Dev 0

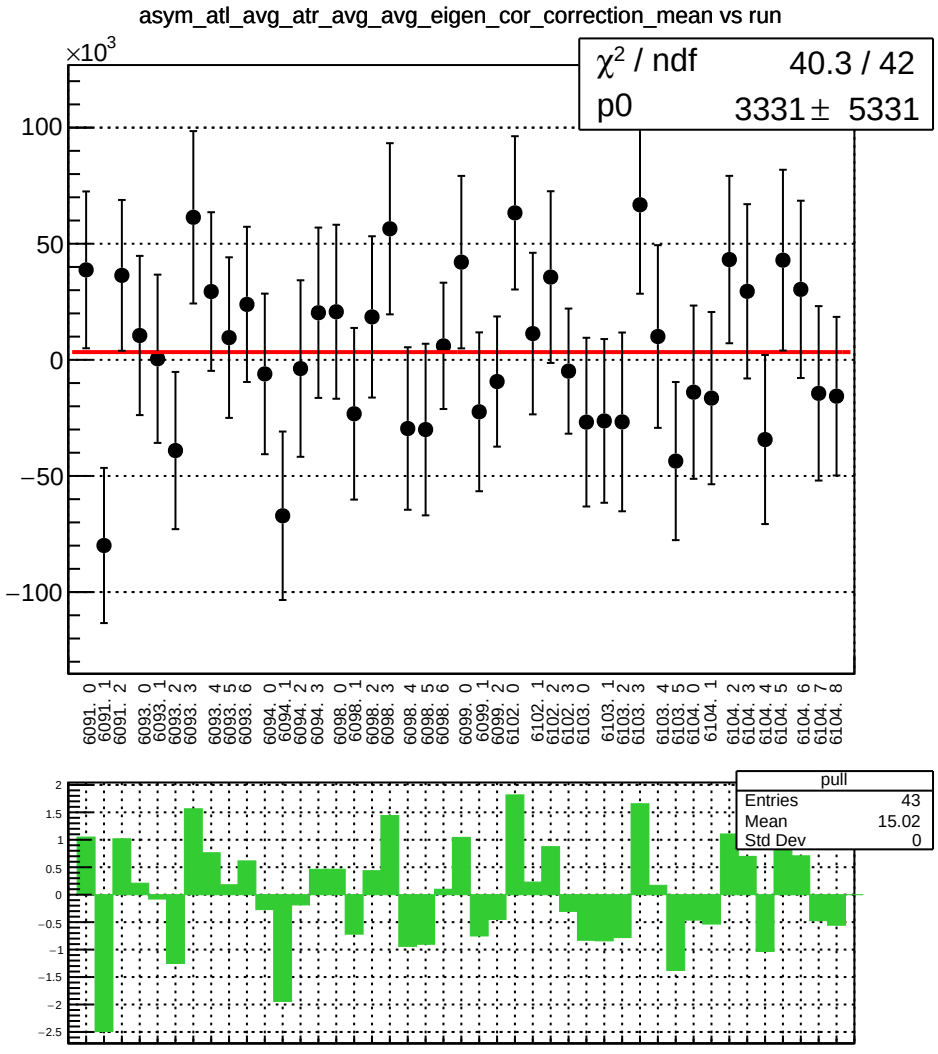

pull1D
Entries 43
Mean 0.01017
Std Dev 0.9681

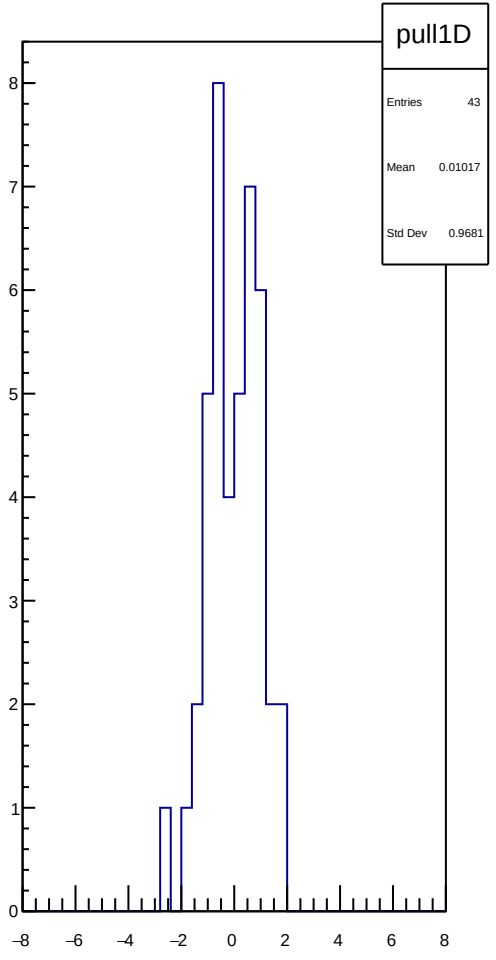

asym_atl_avg_atr_avg_avg_cor_correction_rms vs run
χ² / ndf 1742 / 42
p0 3426 ± 3.769
3800
3700
3600
3500
3400
3300
3200
3100
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

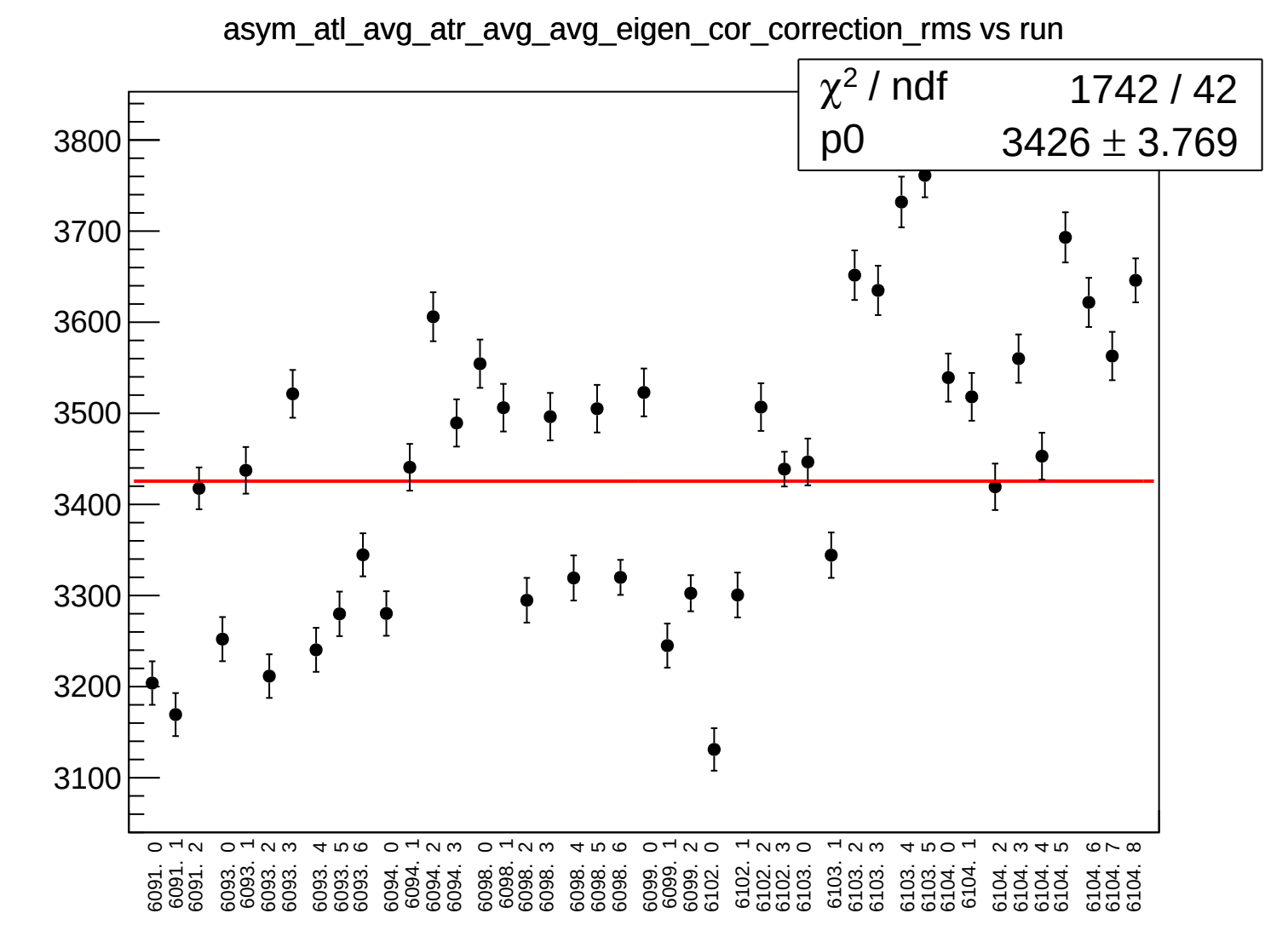

eigen_cor_asym_atl_avg_atr_avg_avg_mean vs run
χ² / ndf 51.69 / 42
p0 3005 ± 1928
40000
20000
0
−20000
−40000
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean −732.2
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

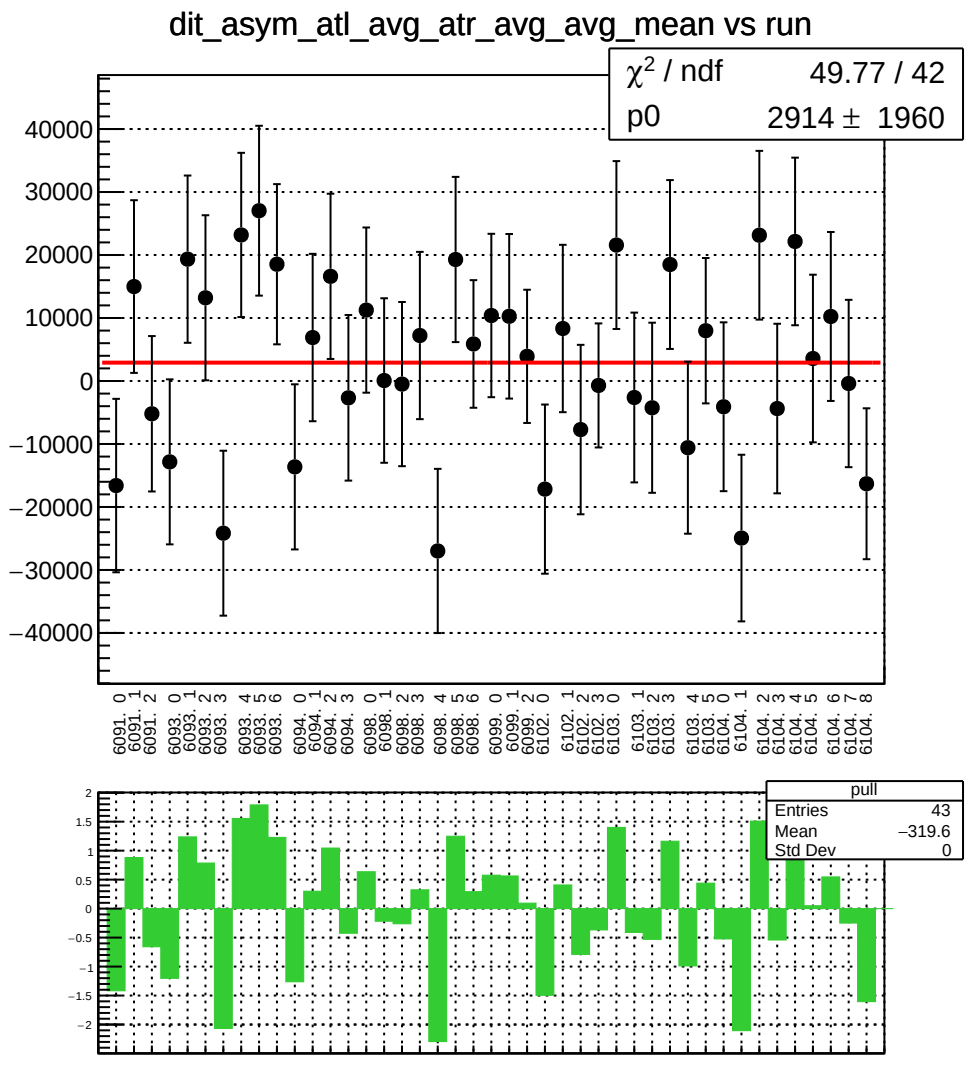

pull1D
Entries 43
Mean 0.001377
Std Dev 1.096
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

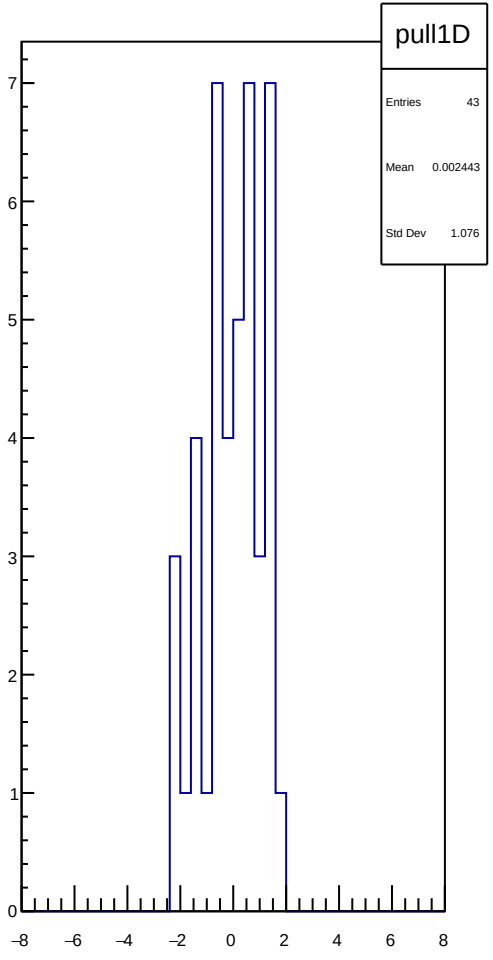

eigen_cor_asym_atl_avg_atr_avg_avg_rms vs run
χ² / ndf 166.5 / 42
p0 1240 ± 1.364
1300
1280
1260
1240
1220
1200
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

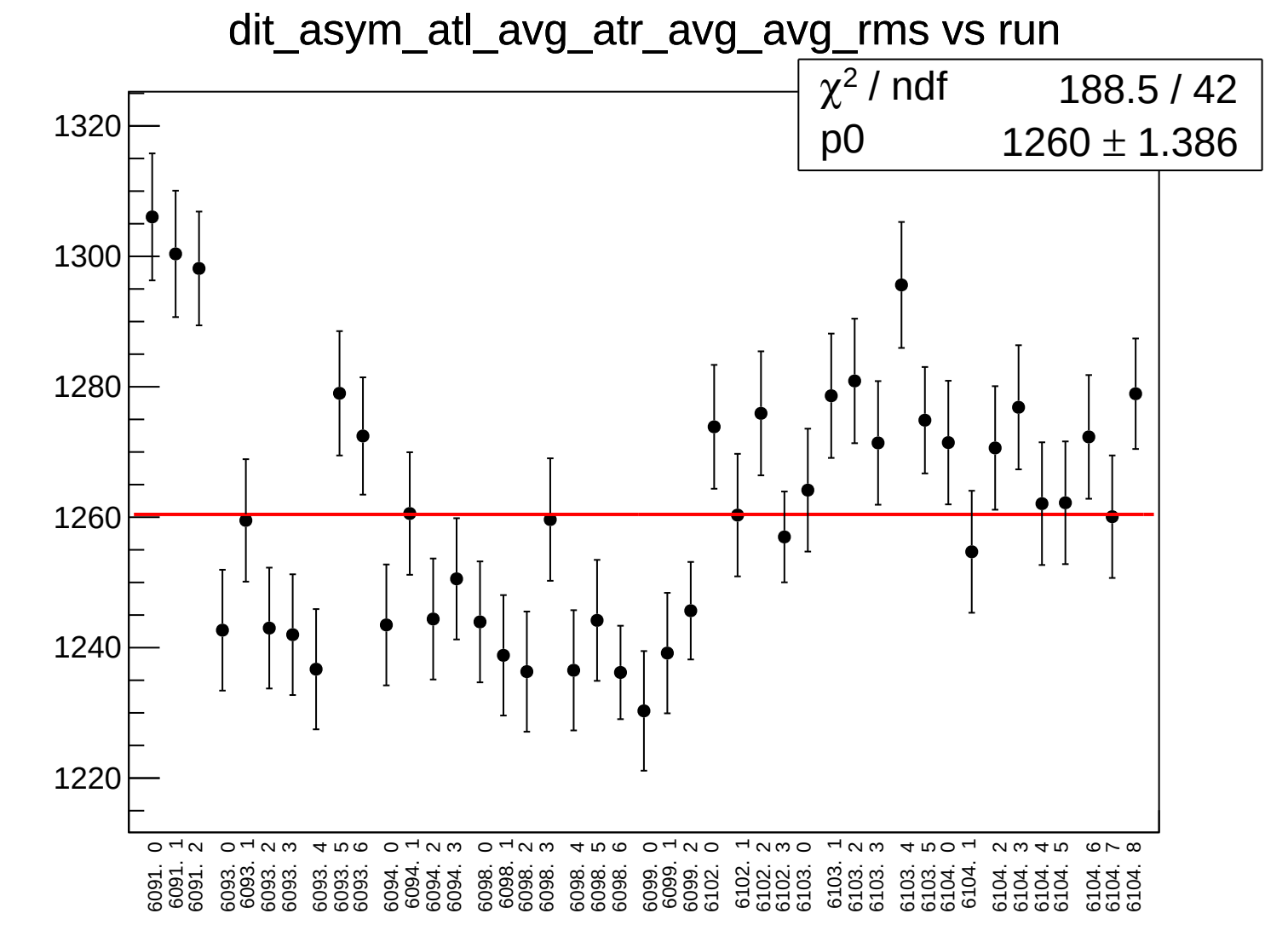

asym_atl_avg_atr_avg_avg_eigen_cor_correction_mean vs run
×10^3
χ² / ndf 40.3 / 42
p0 3331 ± 5331
100
50
0
−50
−100
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 15.02
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

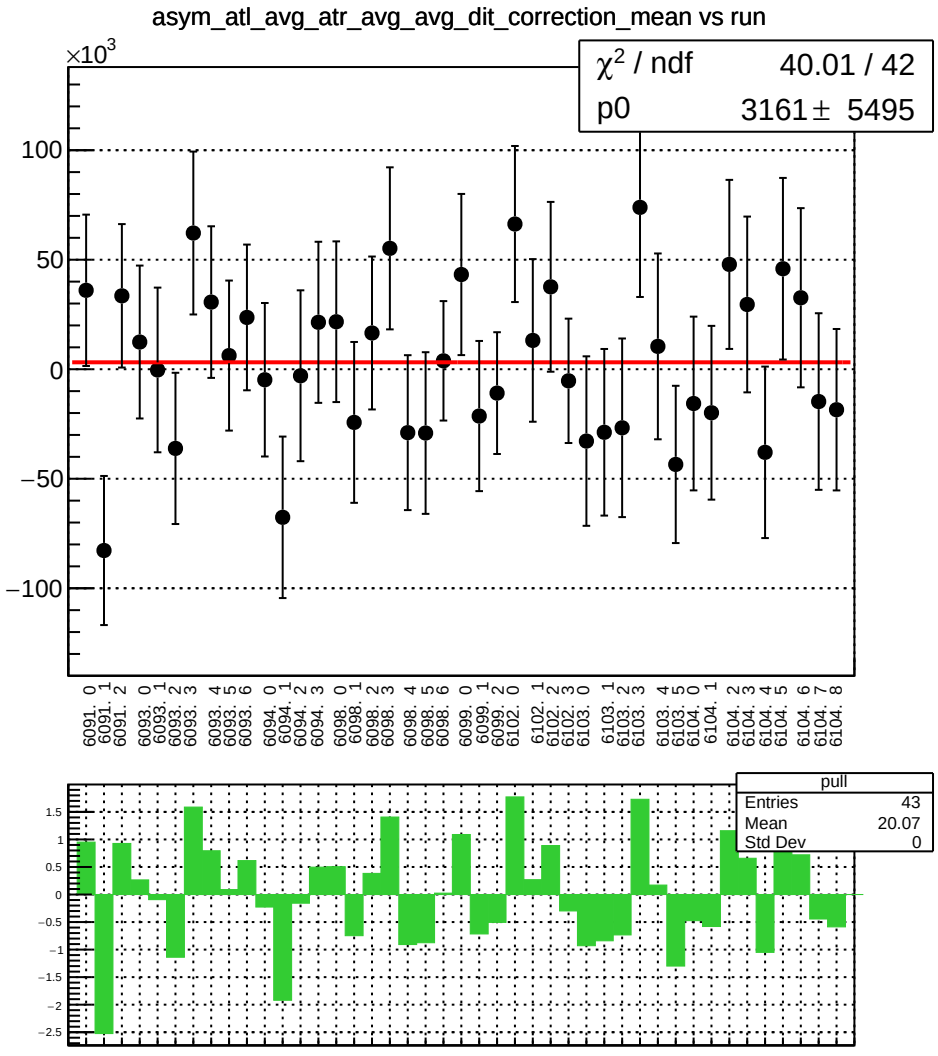

pull1D
Entries 43
Mean 0.01017
Std Dev 0.9681
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

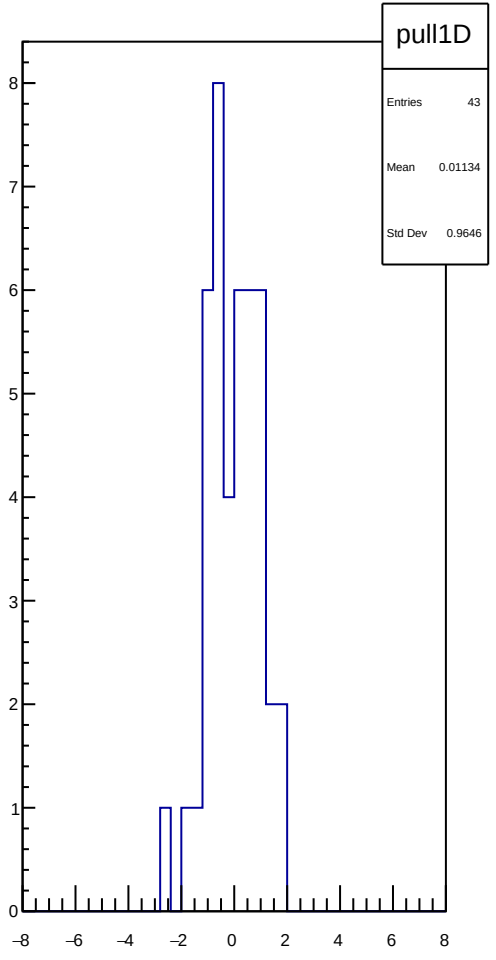

asym_atl_avg_atr_avg_avg_eigen_cor_correction_rms vs run
χ² / ndf 1742 / 42
p0 3426 ± 3.769
3800
3700
3600
3500
3400
3300
3200
3100
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

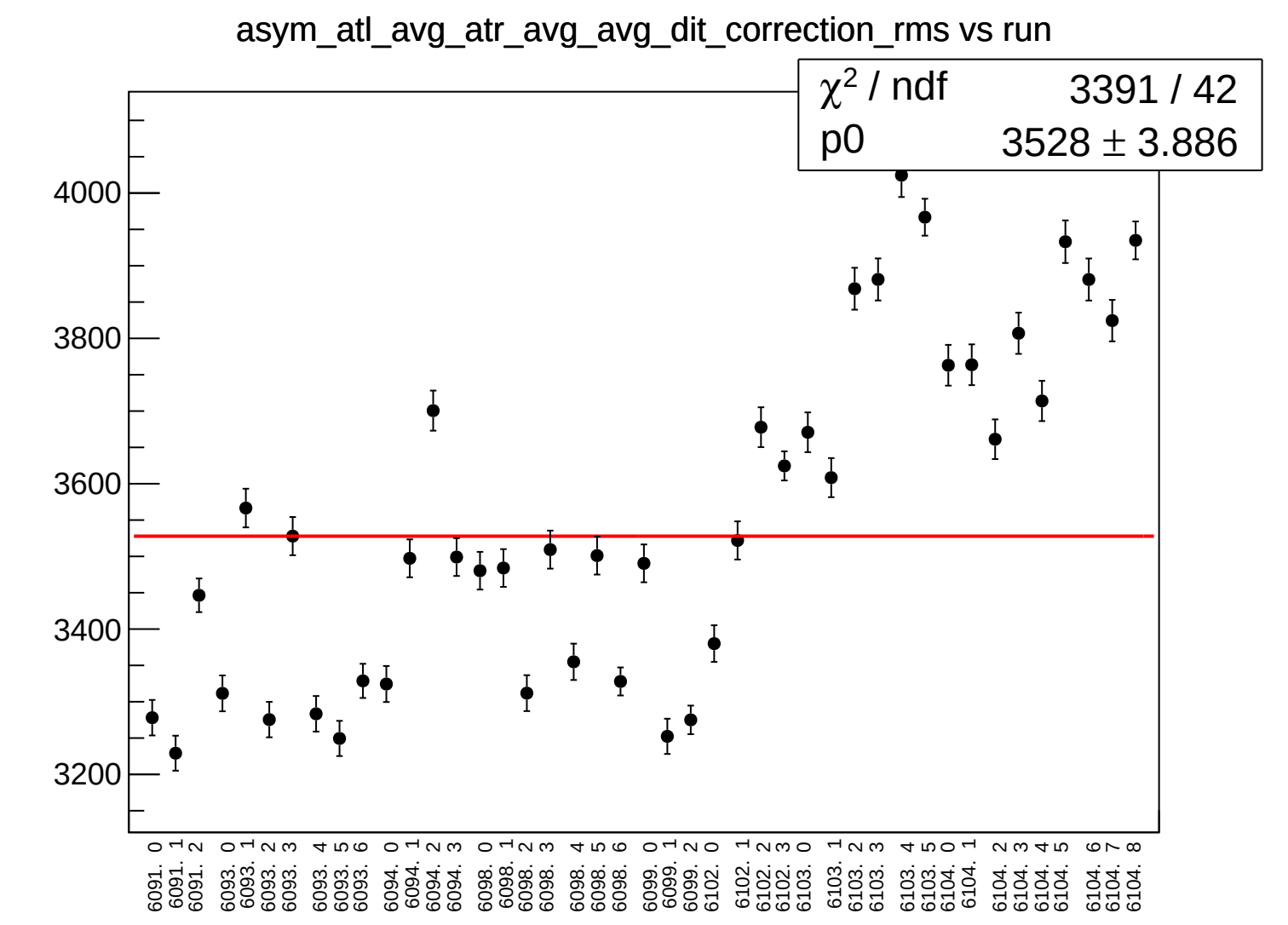

dit_asym_atl_avg_atr_avg_avg_mean vs run
χ² / ndf 49.77 / 42
p0 2914 ± 1960
40000
30000
20000
10000
0
−10000
−20000
−30000
−40000
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean −319.6
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

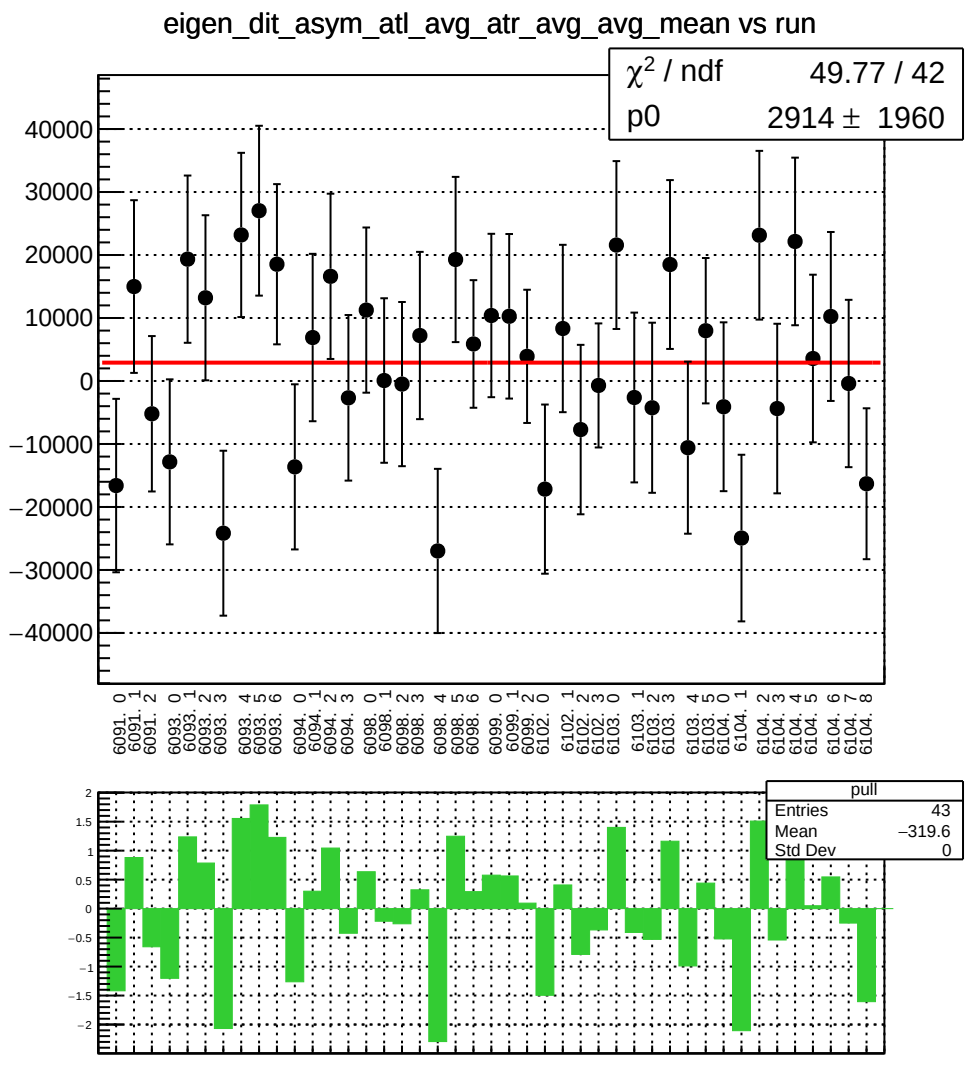

pull1D
Entries 43
Mean 0.002443
Std Dev 1.076
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

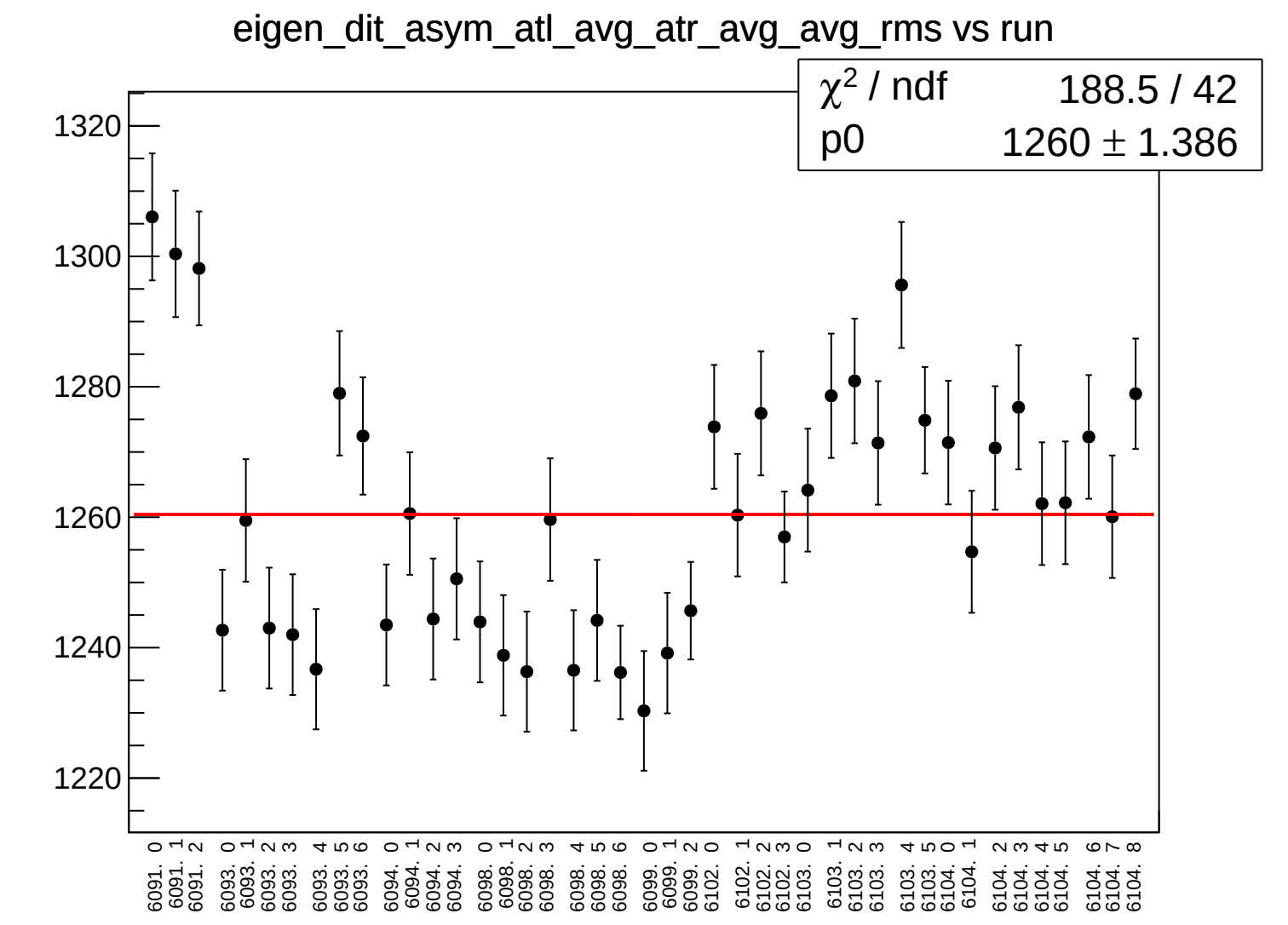

dit_asym_atl_avg_atr_avg_avg_rms vs run
χ² / ndf 188.5 / 42
p0 1260 ± 1.386
1320
1300
1280
1260
1240
1220
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

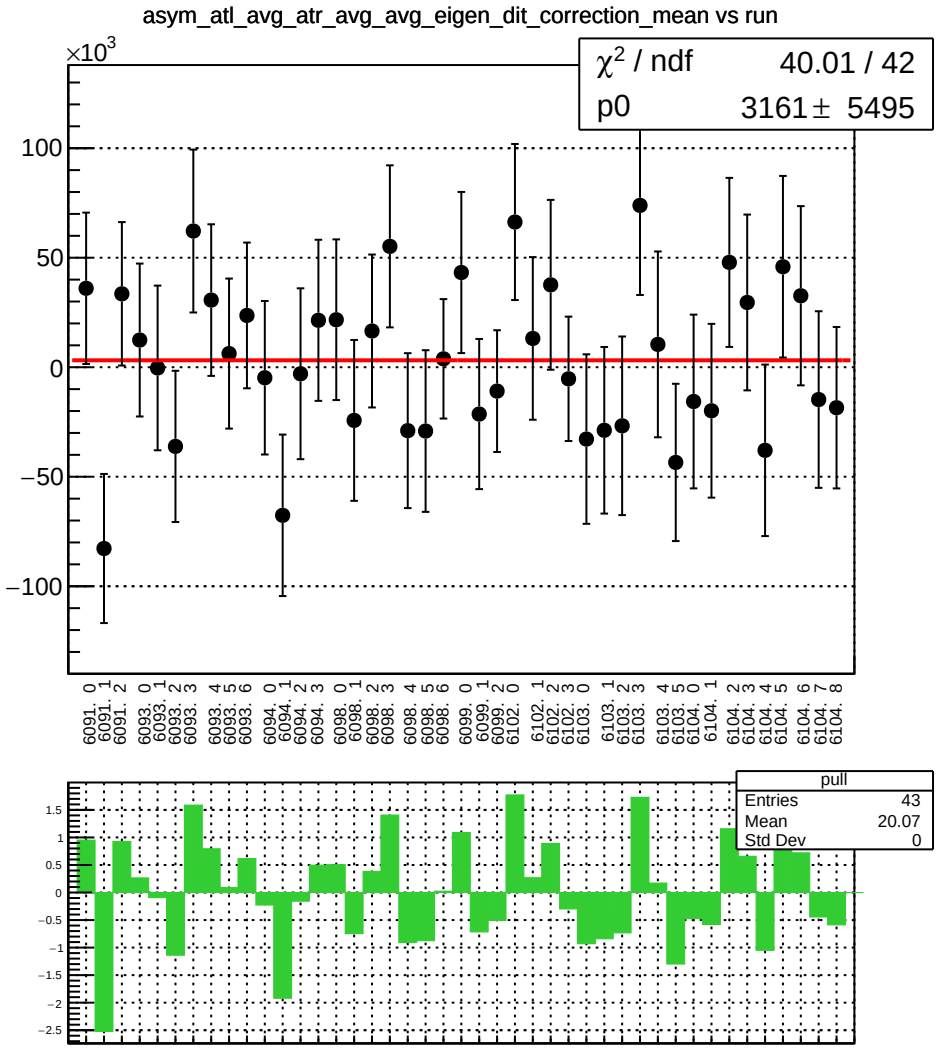

asym_atl_avg_atr_avg_avg_dit_correction_mean vs run
×10^3
χ² / ndf 40.01 / 42
p0 3161 ± 5495
100
50
0
−50
−100
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 20.07
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

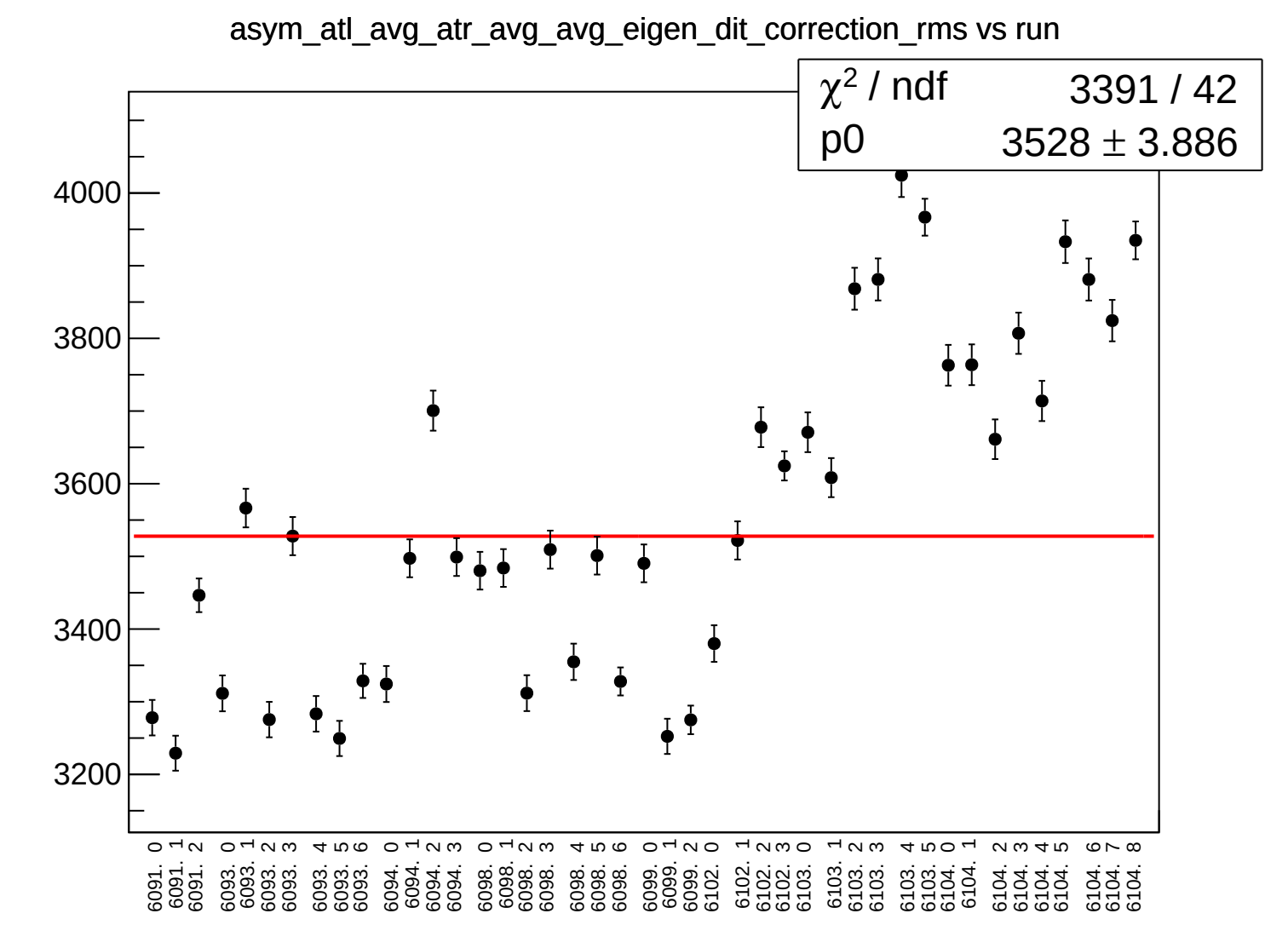

pull1D
Entries 43
Mean 0.01134
Std Dev 0.9646
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

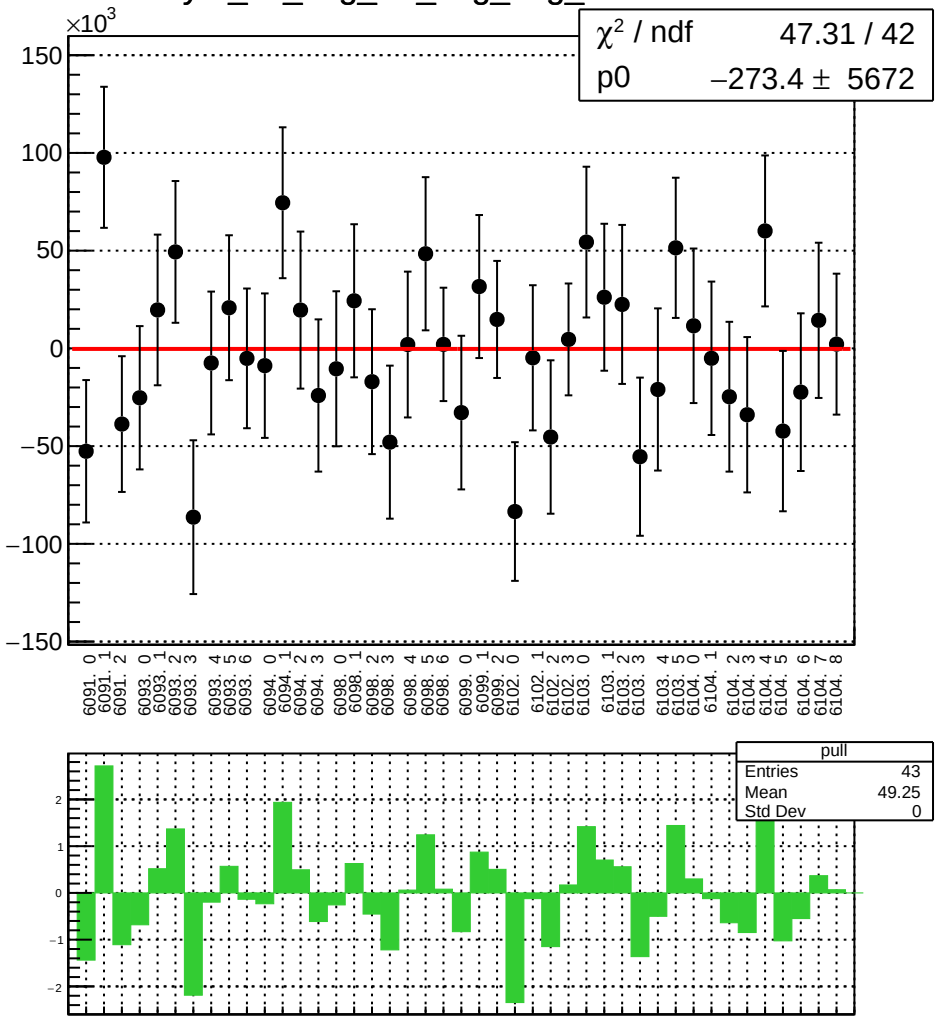

asym_atl_avg_atr_avg_avg_dit_correction_rms vs run
χ² / ndf 3391 / 42
p0 3528 ± 3.886
4000
3800
3600
3400
3200
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

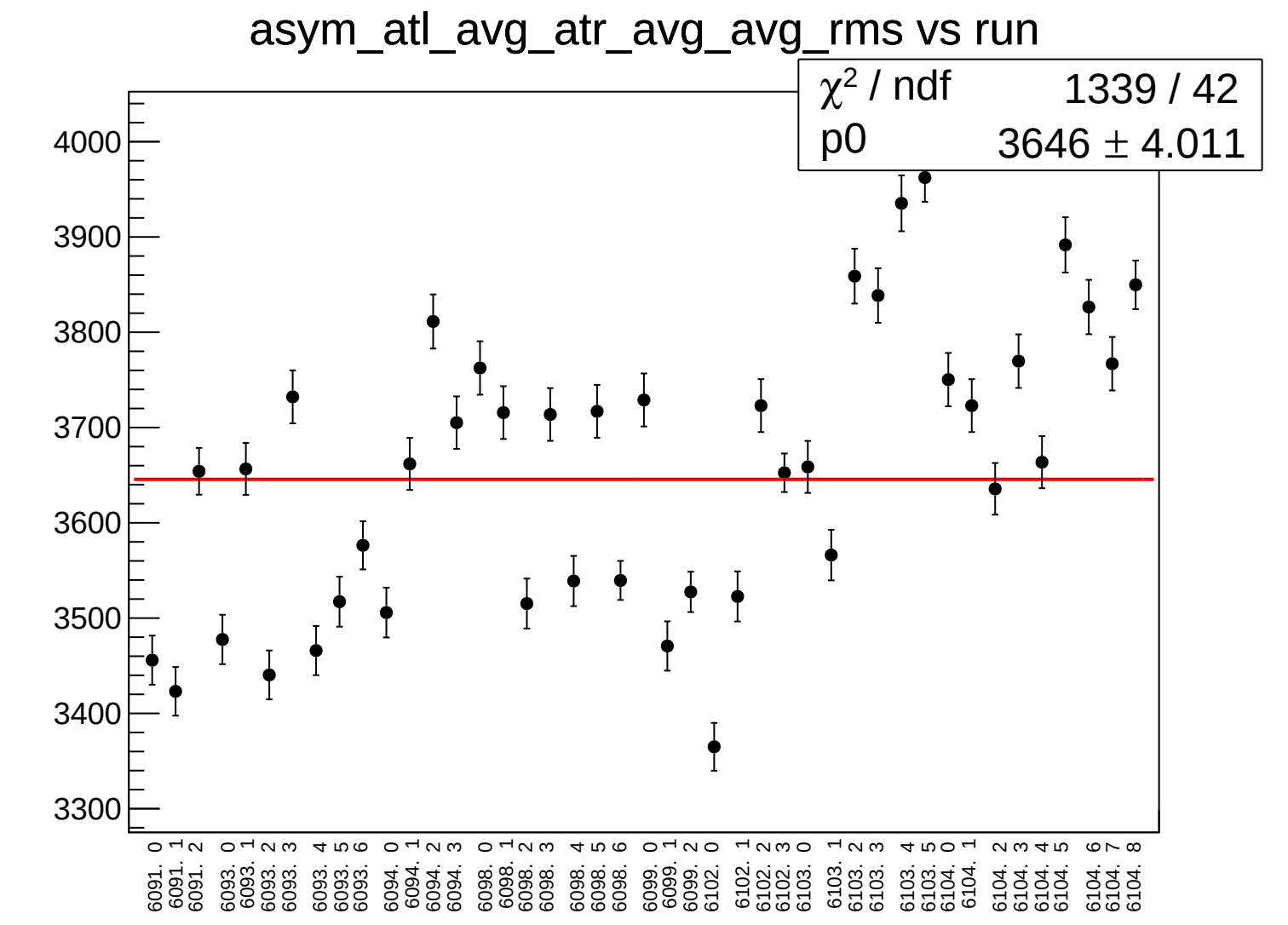

eigen_dit_asym_atl_avg_atr_avg_avg_mean vs run
χ² / ndf 49.77 / 42
p0 2914 ± 1960
40000
30000
20000
10000
0
−10000
−20000
−30000
−40000
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean −319.6
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 43
Mean 0.002443
Std Dev 1.076
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

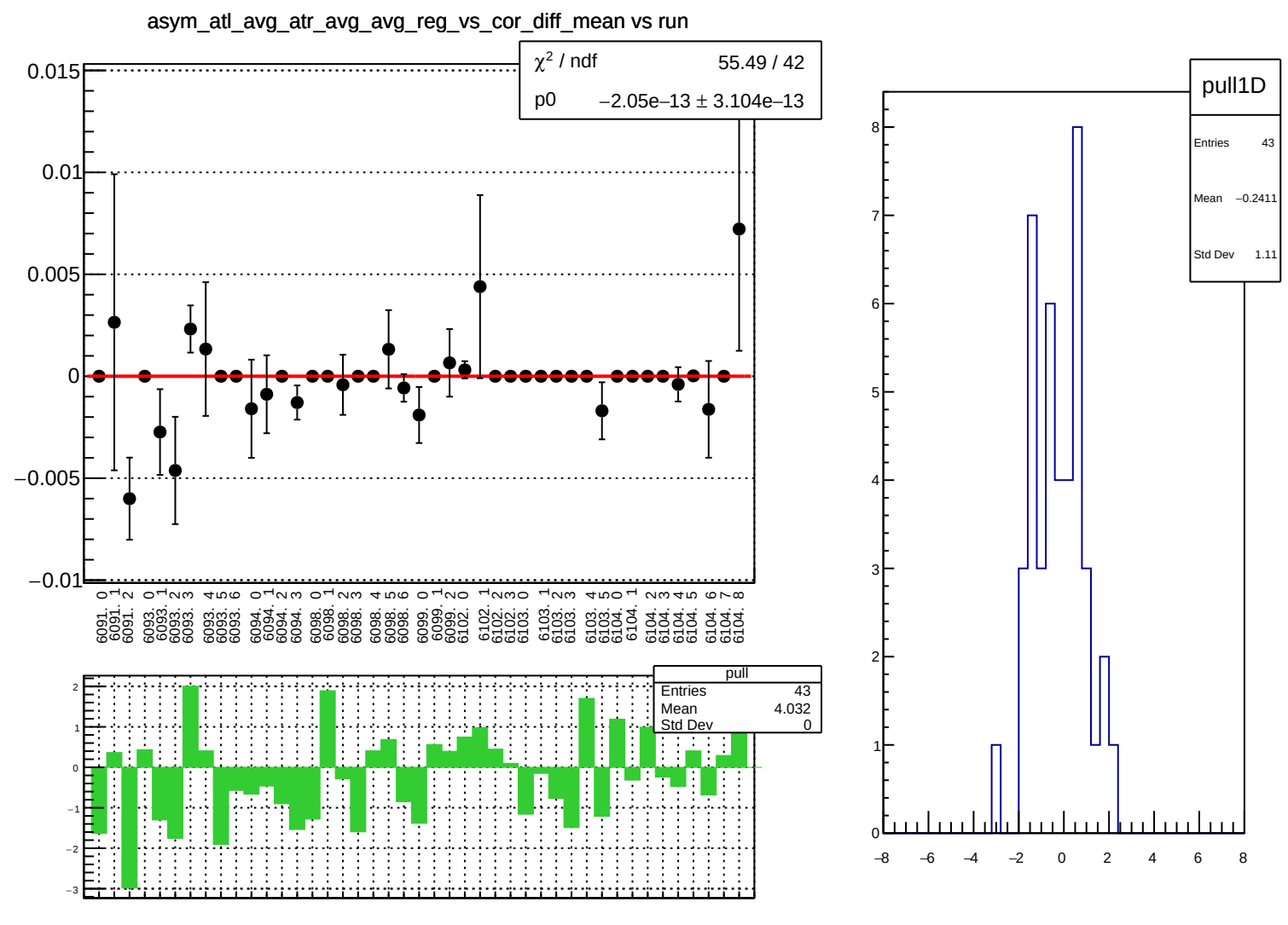

eigen_dit_asym_atl_avg_atr_avg_avg_rms vs run
χ² / ndf 188.5 / 42
p0 1260 ± 1.386
1320
1300
1280
1260
1240
1220
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

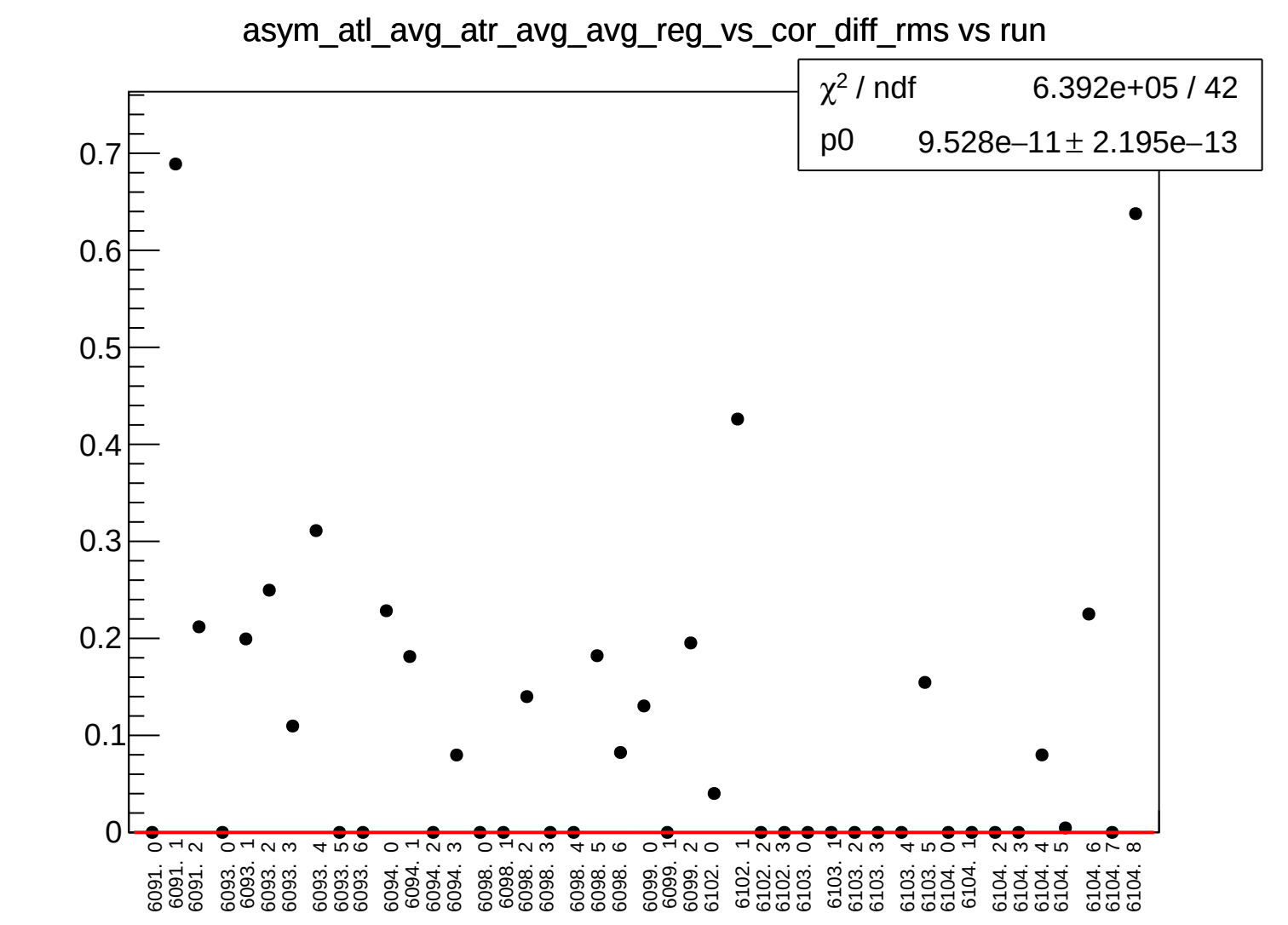

asym_atl_avg_atr_avg_avg_eigen_dit_correction_mean vs run
×10^3
χ^2 / ndf 40.01 / 42
p0 3161 ± 5495
100
50
0
−50
−100
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 20.07
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5
pull1D
Entries 43
Mean 0.01134
Std Dev 0.9646
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

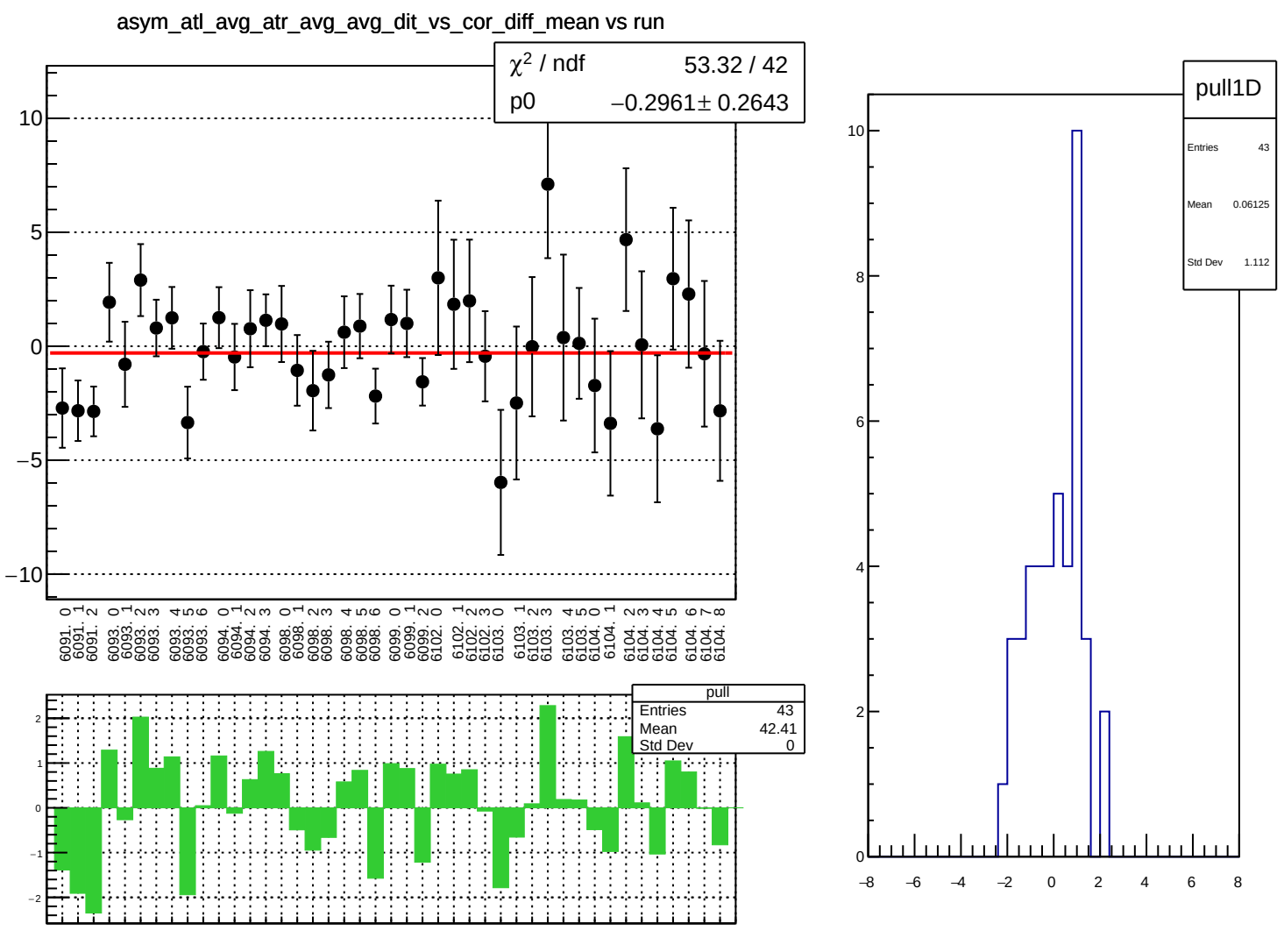

asym_atl_avg_atr_avg_avg_eigen_dit_correction_rms vs run
χ² / ndf 3391 / 42
p0 3528 ± 3.886
4000
3800
3600
3400
3200
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

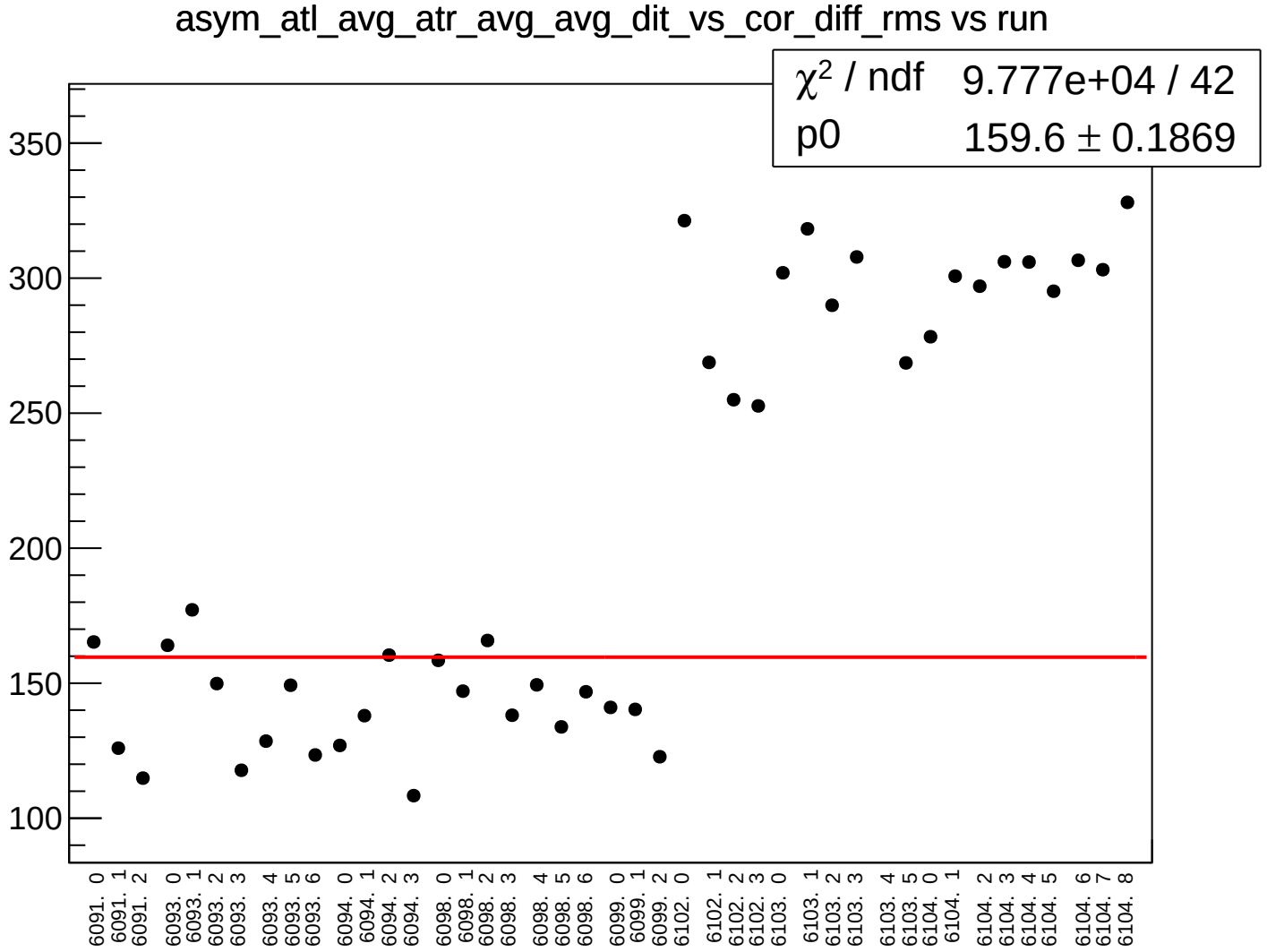

asym_atl_avg_atr_avg_avg_mean vs run
χ² / ndf 47.31 / 42
p0 −273.4 ± 5672
×10³
150
100
50
0
−50
−100
−150
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 49.25
Std Dev 0
2
1
0
−1
−2
pull1D
Entries 43
Mean −0.009851
Std Dev 1.049
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

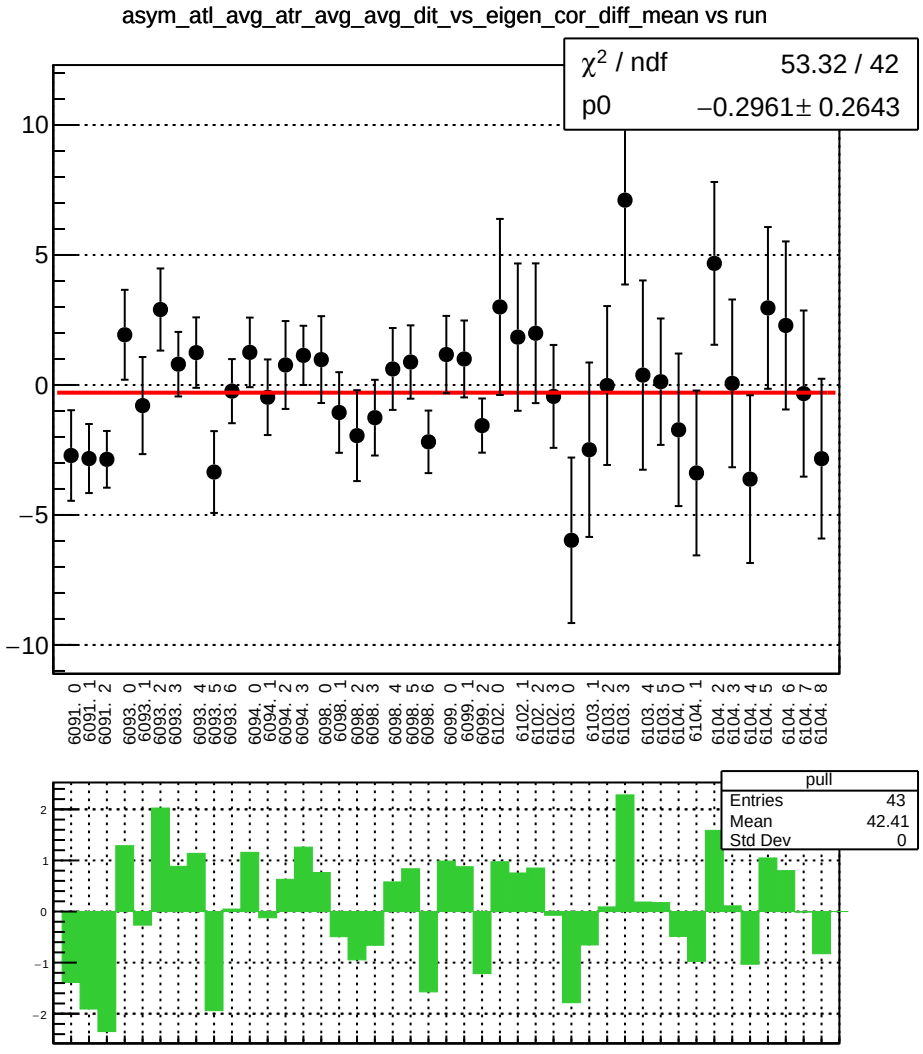

asym_atl_avg_atr_avg_avg_rms vs run
χ² / ndf 1339 / 42
p0 3646 ± 4.011
4000
3900
3800
3700
3600
3500
3400
3300
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

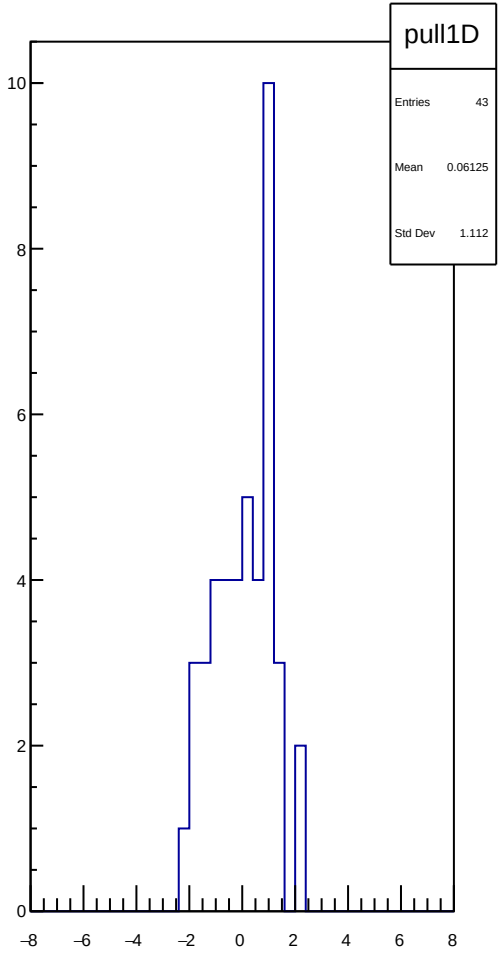

asym_atl_avg_atr_avg_avg_reg_vs_cor_diff_mean vs run
χ² / ndf 55.49 / 42
p0 −2.05e−13 ± 3.104e−13
0.015
0.01
0.005
0
−0.005
−0.01
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 4.032
Std Dev 0
pull1D
Entries 43
Mean −0.2411
Std Dev 1.11

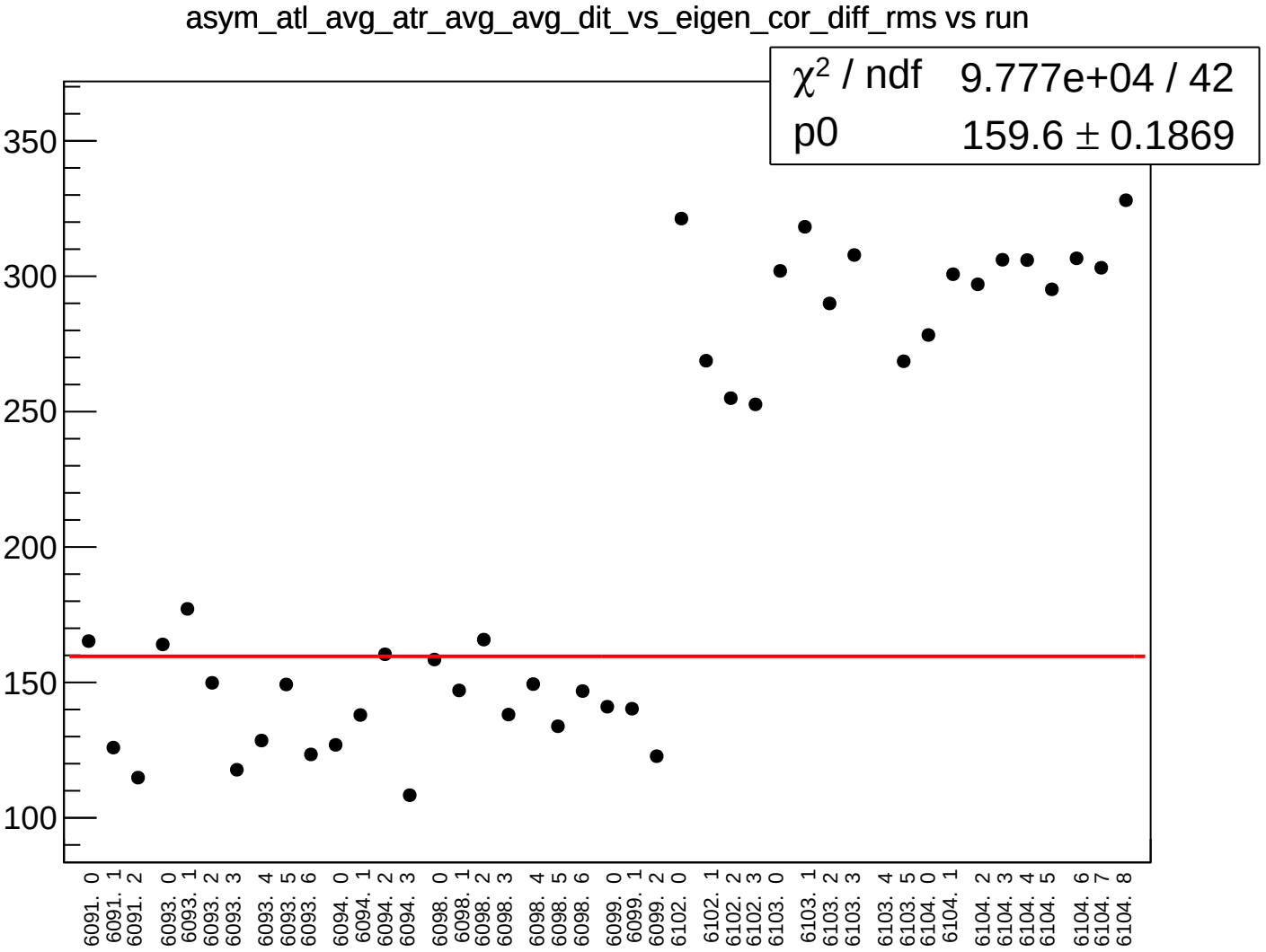

asym_atl_avg_atr_avg_avg_reg_vs_cor_diff_rms vs run
χ² / ndf 6.392e+05 / 42
p0 9.528e−11 ± 2.195e−13
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

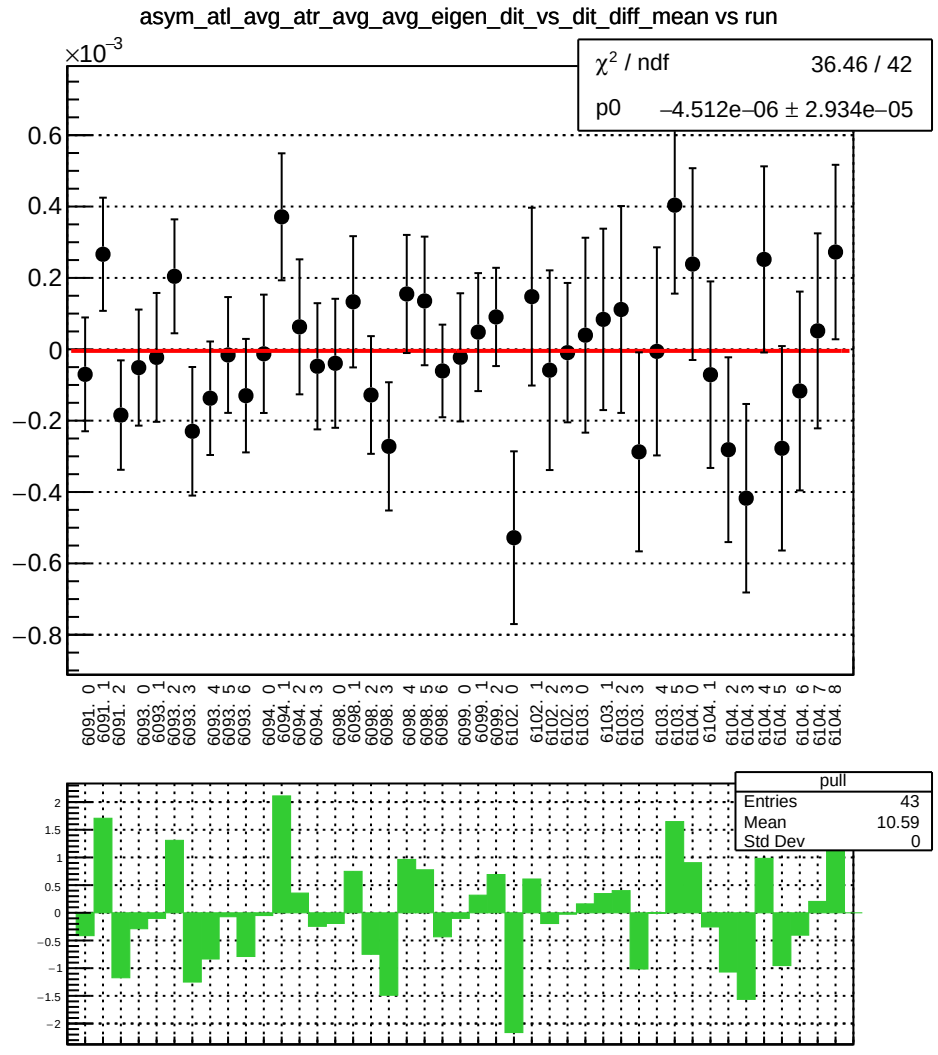

asym_atl_avg_atr_avg_avg_dit_vs_cor_diff_mean vs run
χ² / ndf 53.32 / 42
p0 −0.2961± 0.2643
10
5
0
−5
−10
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 42.41
Std Dev 0
2
1
0
−1
−2
pull1D
Entries 43
Mean 0.06125
Std Dev 1.112
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

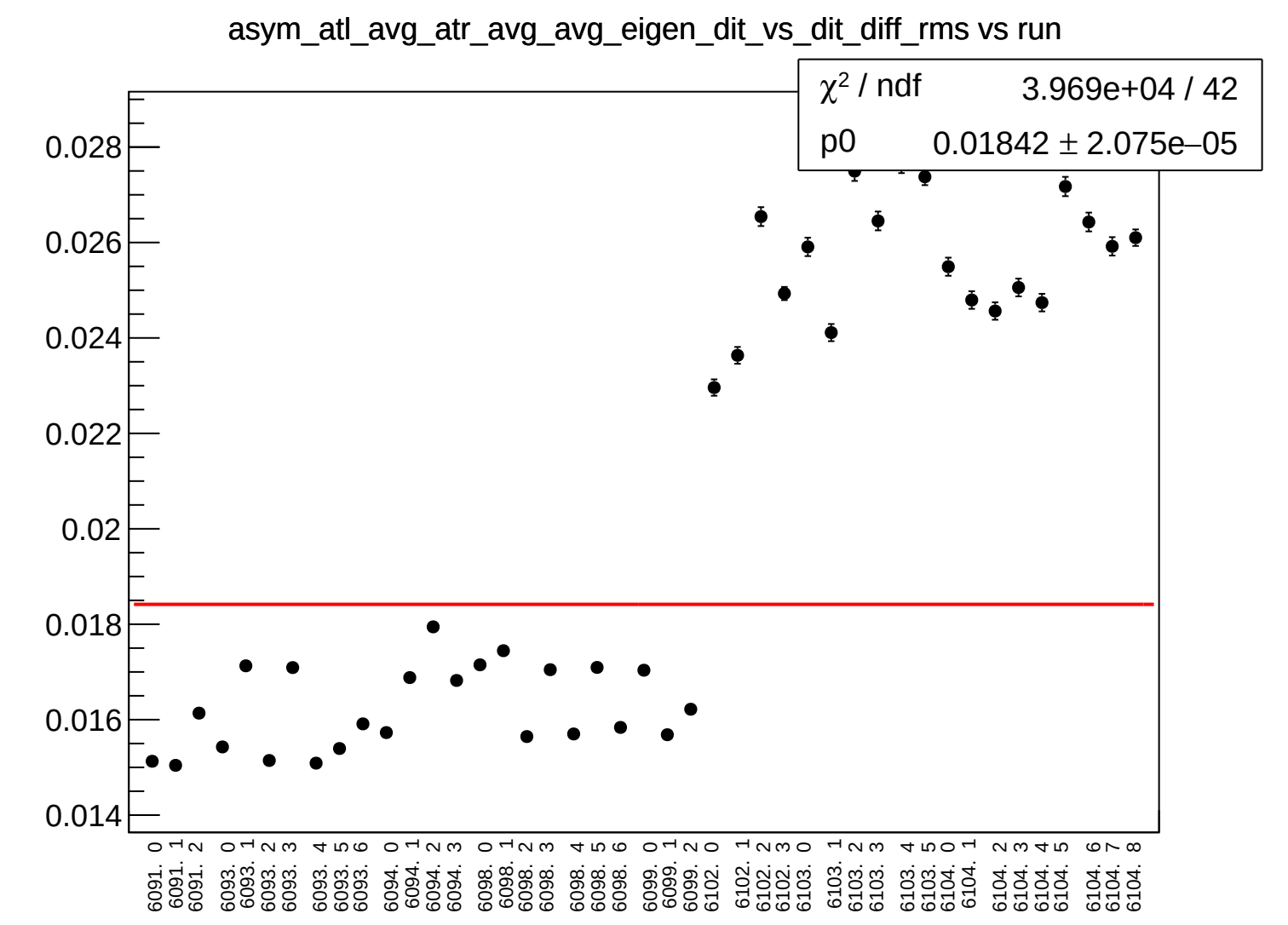

asym_atl_avg_atr_avg_avg_dit_vs_cor_diff_rms vs run
χ² / ndf 9.777e+04 / 42
p0 159.6 ± 0.1869
350
300
250
200
150
100
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

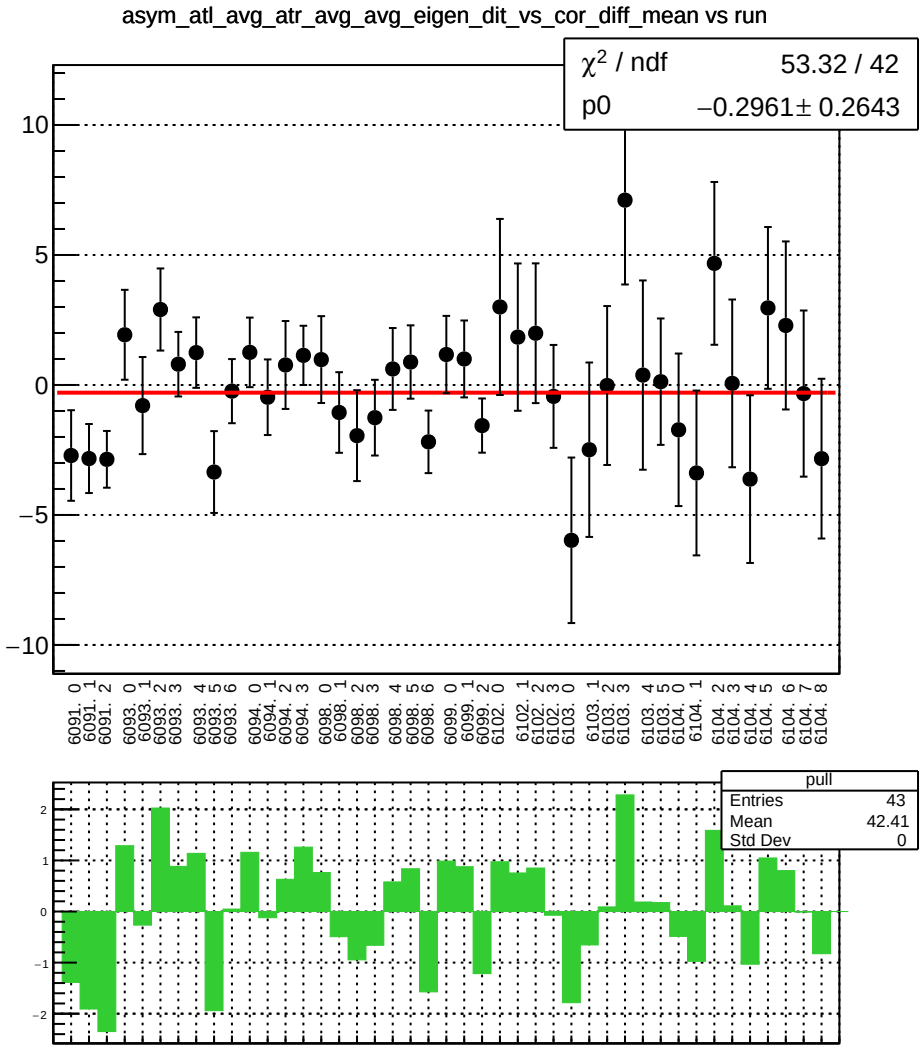

asym_atl_avg_atr_avg_avg_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 53.32 / 42
p0 −0.2961± 0.2643
10
5
0
−5
−10
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 42.41
Std Dev 0
2
1
0
−1
−2

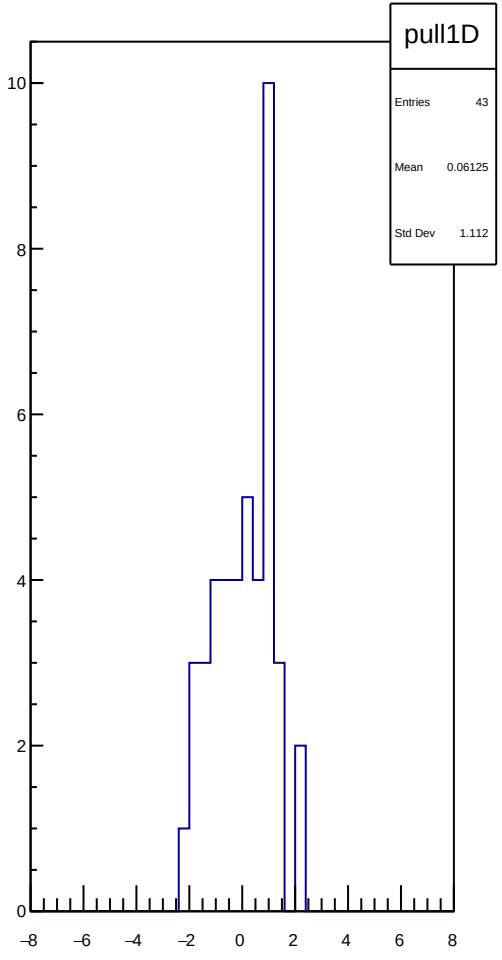

pull1D
Entries 43
Mean 0.06125
Std Dev 1.112
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

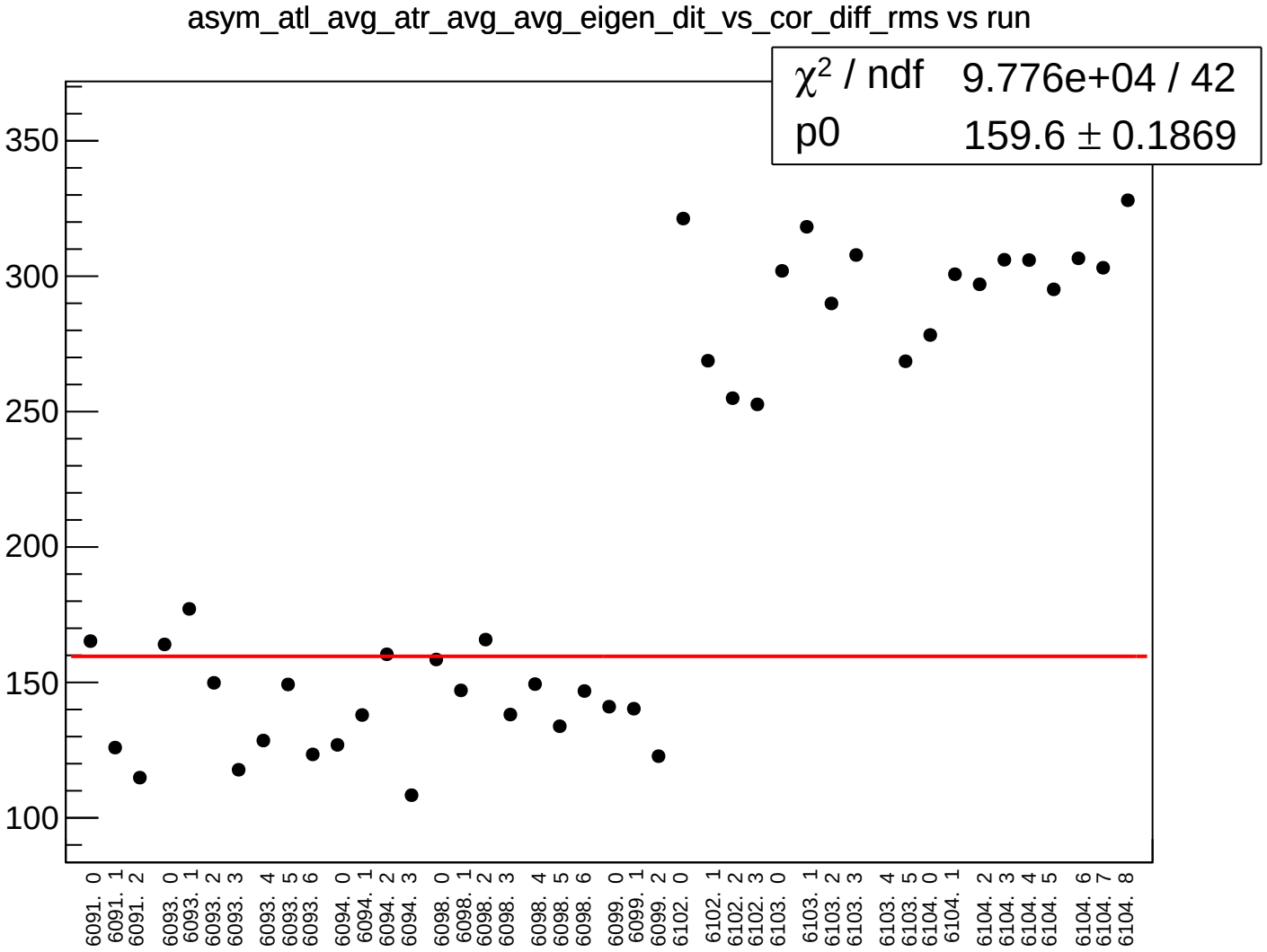

asym_atl_avg_atr_avg_avg_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 9.777e+04 / 42
p0 159.6 ± 0.1869
350
300
250
200
150
100
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

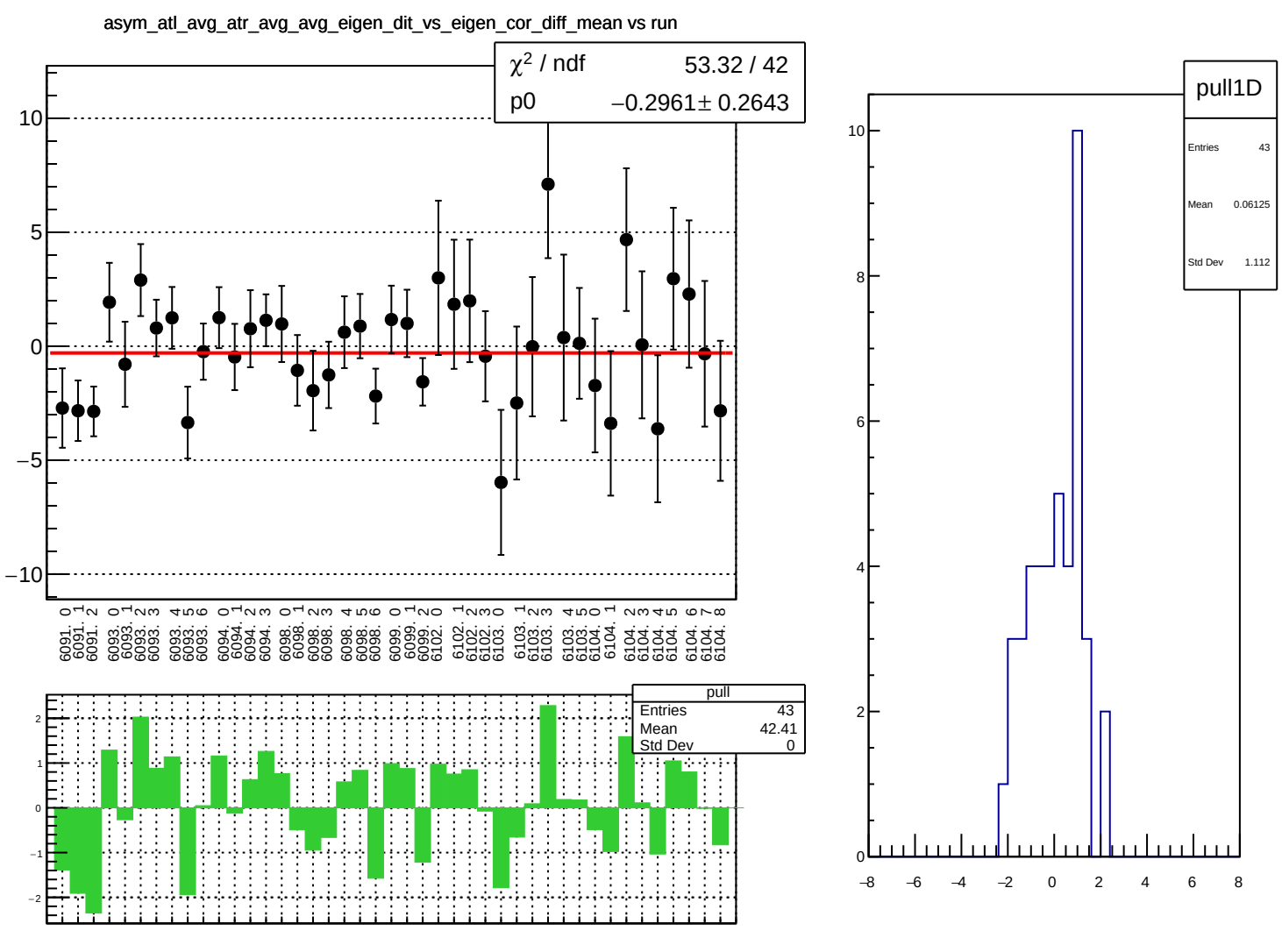

asym_atl_avg_atr_avg_avg_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 36.46 / 42
p0 −4.512e−06 ± 2.934e−05
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 10.59
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 43
Mean −0.01035
Std Dev 0.9208
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

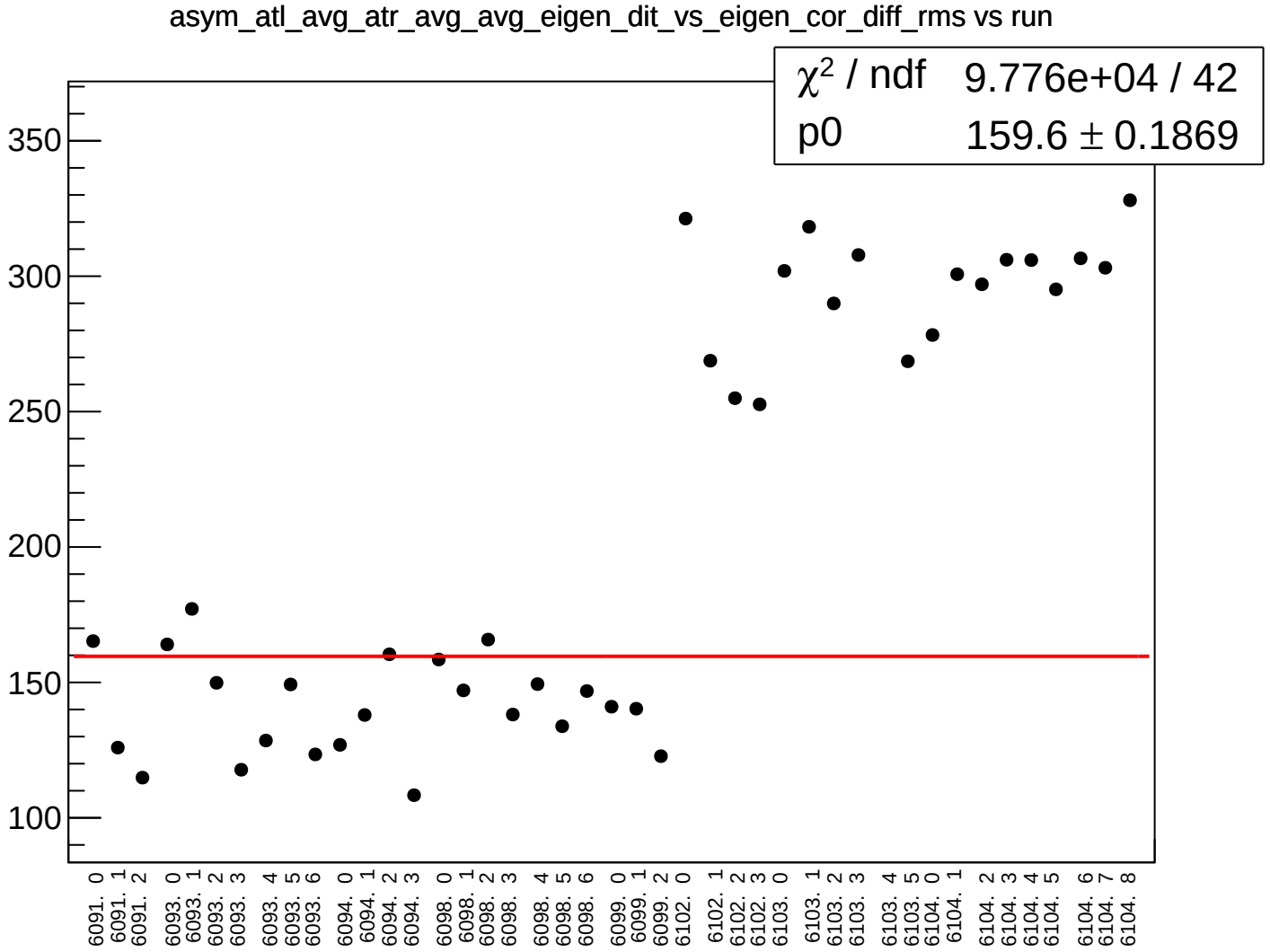

asym_atl_avg_atr_avg_avg_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 3.969e+04 / 42
p0 0.01842 ± 2.075e−05
0.028
0.026
0.024
0.022
0.02
0.018
0.016
0.014
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

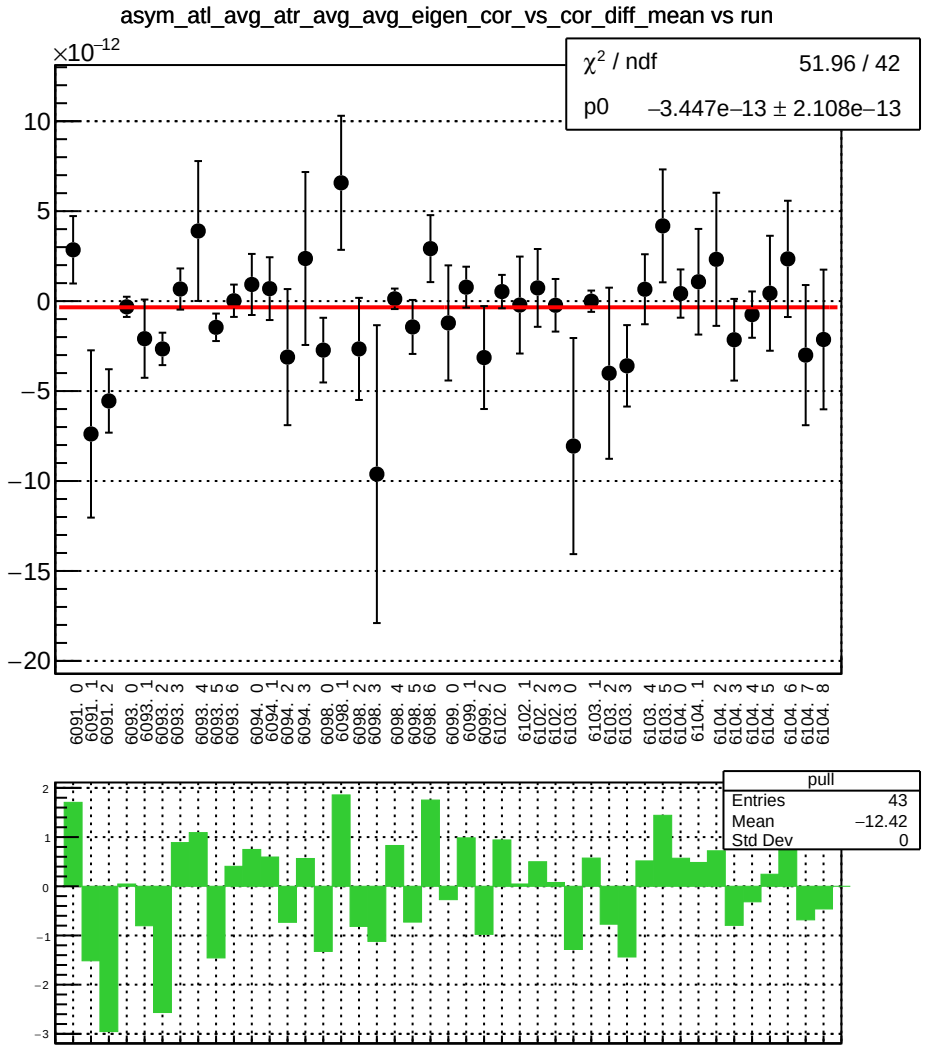

asym_atl_avg_atr_avg_avg_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 53.32 / 42
p0 −0.2961± 0.2643
10
5
0
−5
−10
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 42.41
Std Dev 0
2
1
0
−1
−2

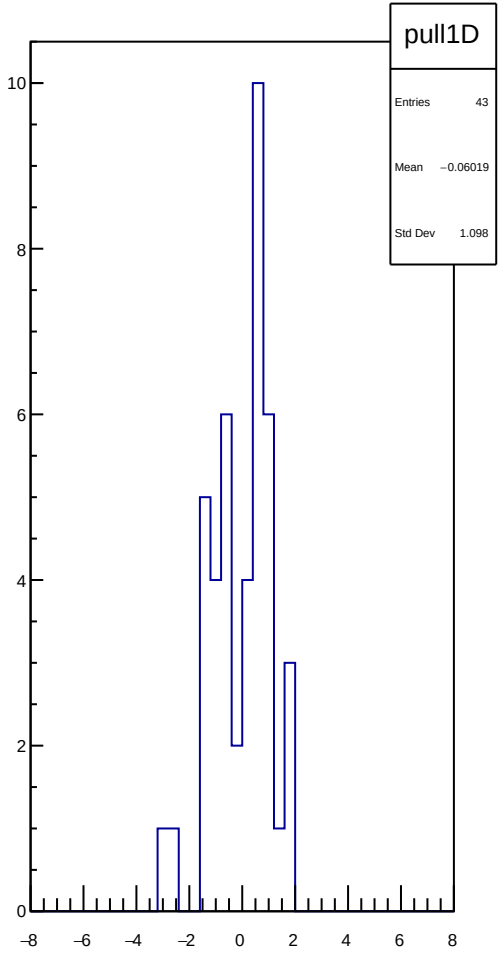

pull1D
Entries 43
Mean 0.06125
Std Dev 1.112
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

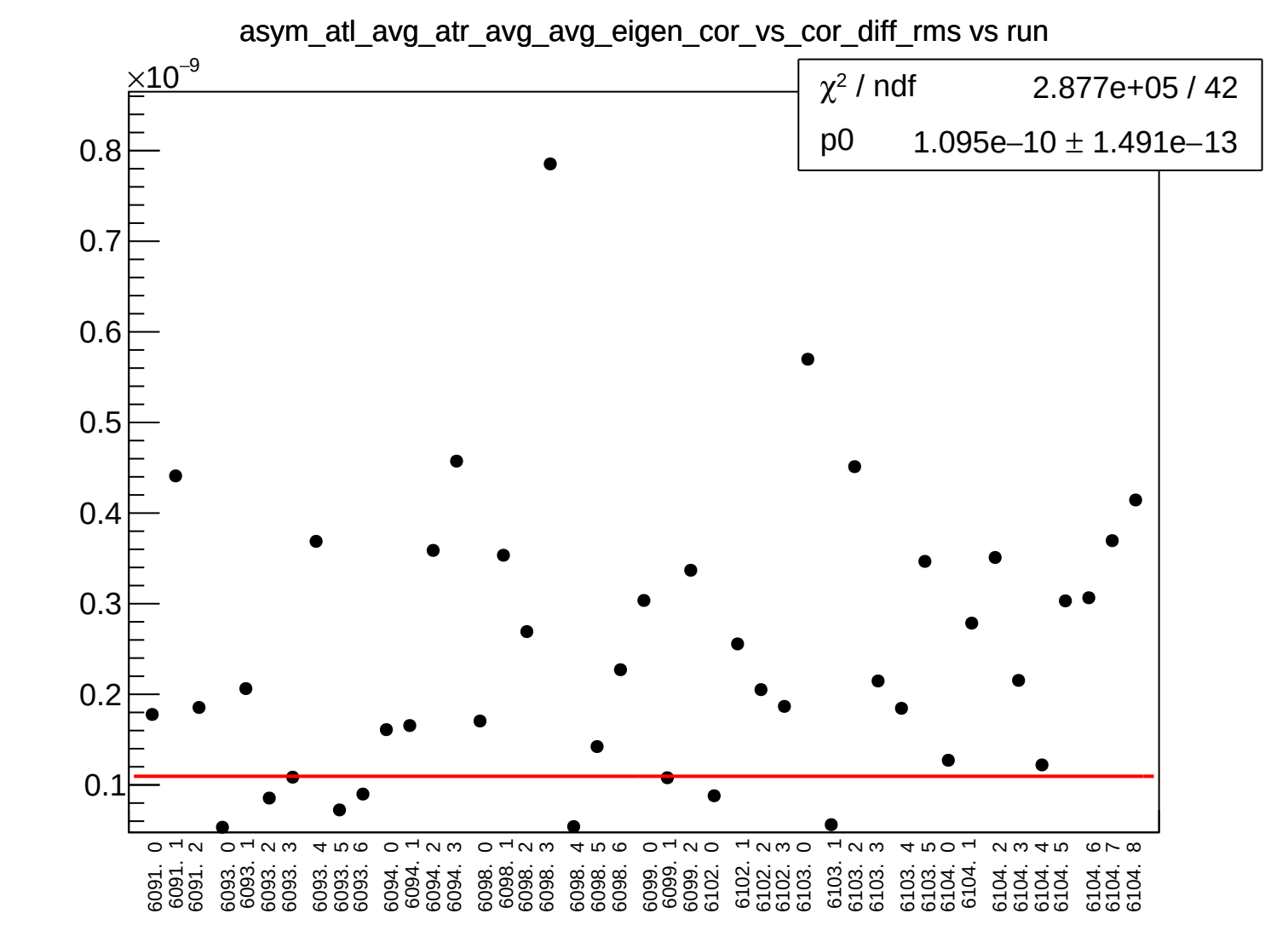

asym_atl_avg_atr_avg_avg_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 9.776e+04 / 42
p0 159.6 ± 0.1869
350
300
250
200
150
100
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

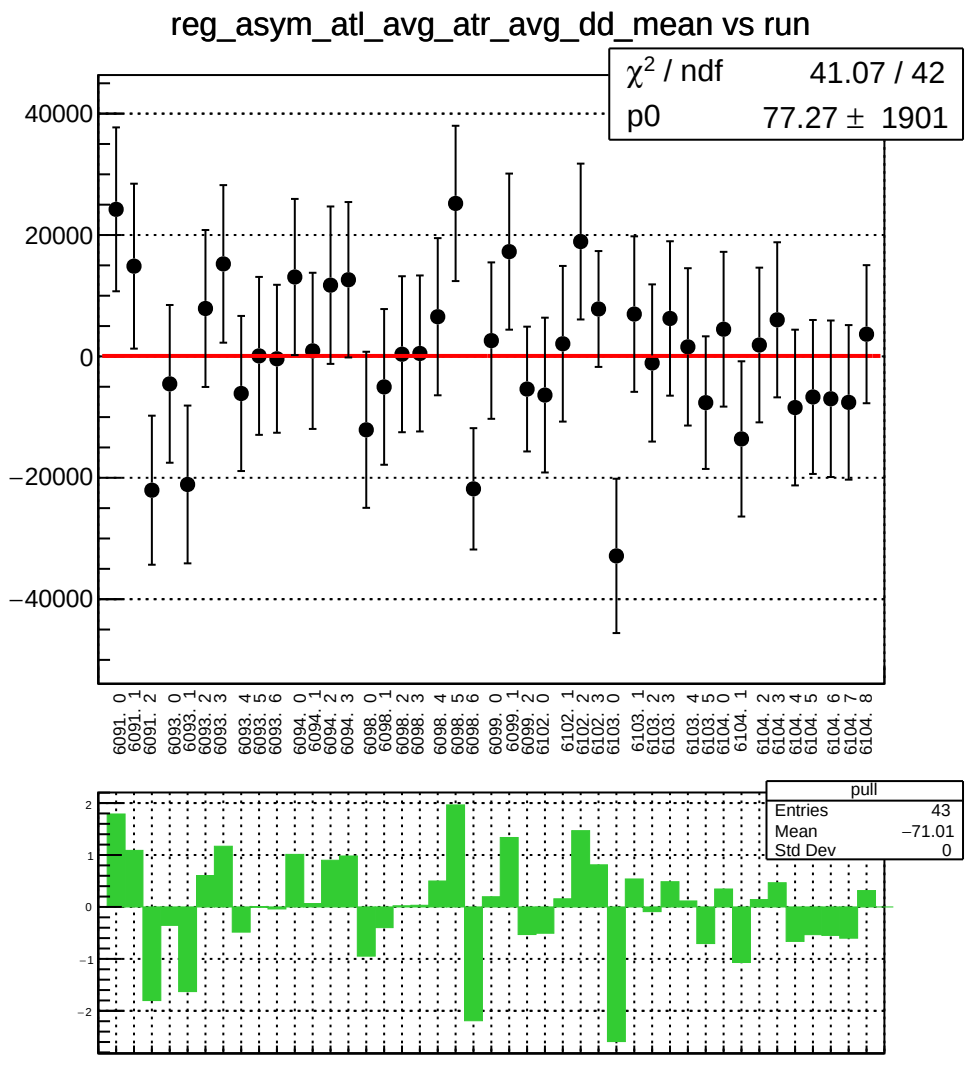

asym_atl_avg_atr_avg_avg_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 53.32 / 42
p0 −0.2961± 0.2643
10
5
0
−5
−10
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 42.41
Std Dev 0
2
1
0
−1
−2
pull1D
Entries 43
Mean 0.06125
Std Dev 1.112
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

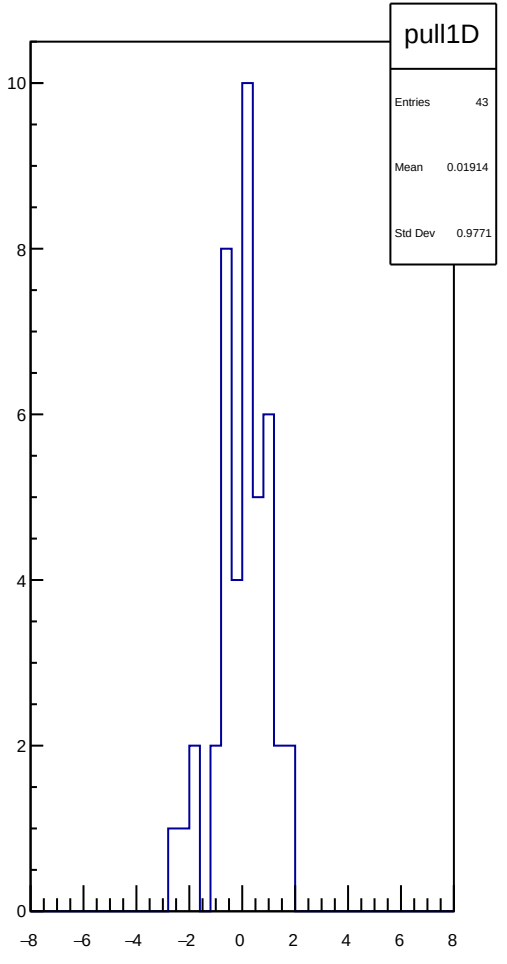

asym_atl_avg_atr_avg_avg_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 9.776e+04 / 42
p0 159.6 ± 0.1869
350
300
250
200
150
100
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

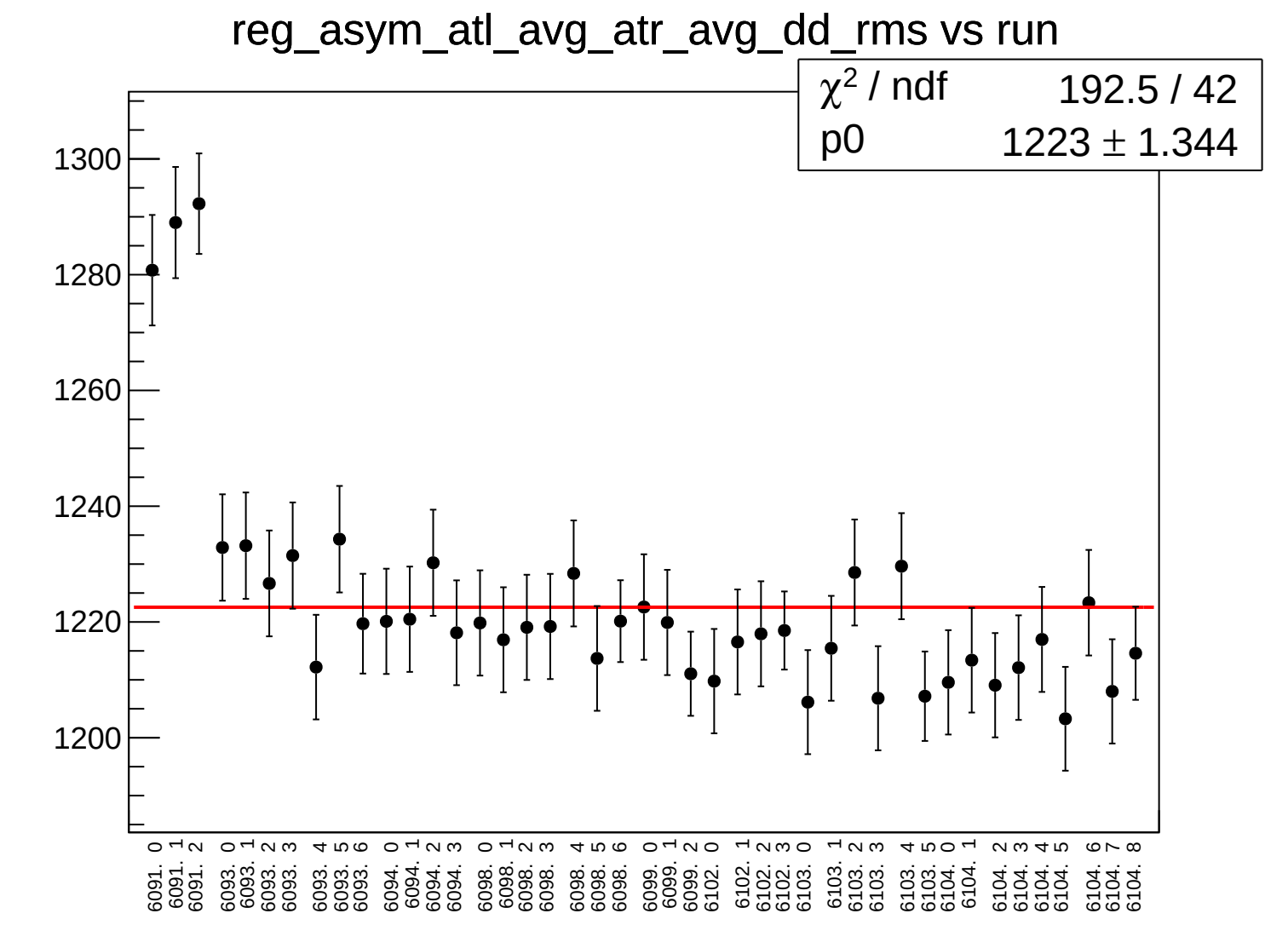

asym_atl_avg_atr_avg_avg_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 51.96 / 42
p0 −3.447e−13 ± 2.108e−13
pull
Entries 43
Mean −12.42
Std Dev 0


pull1D
Entries 43
Mean −0.06019
Std Dev 1.098

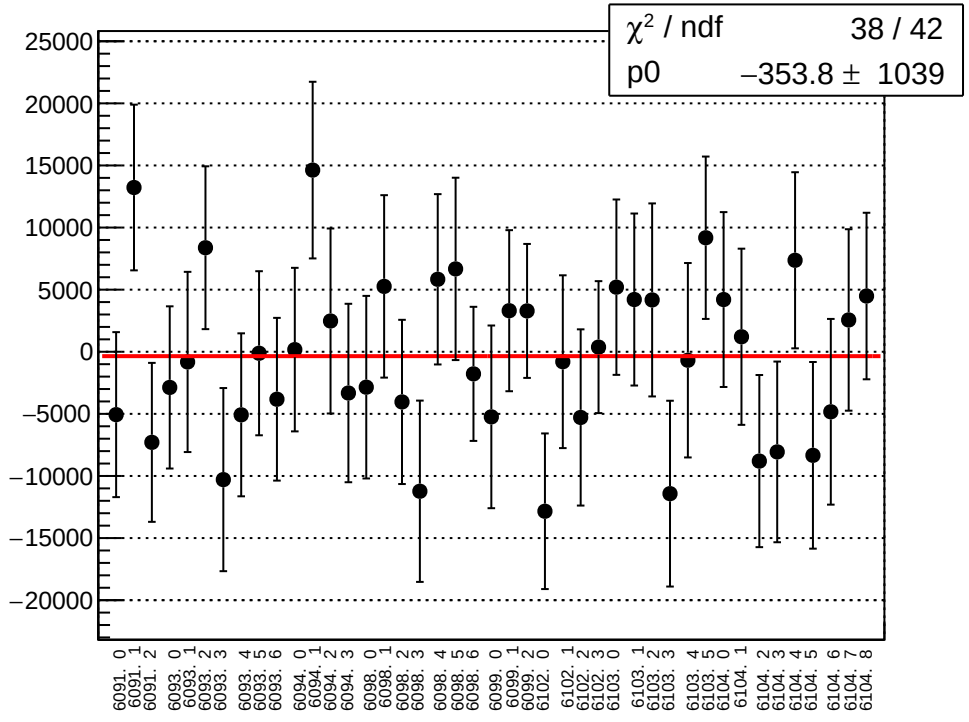

asym_atl_avg_atr_avg_avg_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 2.877e+05 / 42
p0 1.095e−10 ± 1.491e−13
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

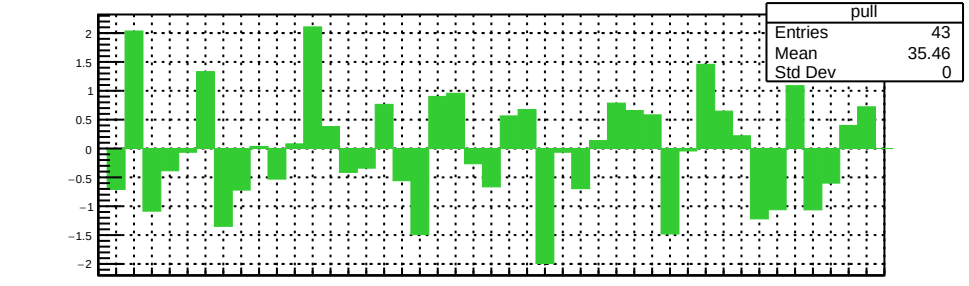

reg_asym_atl_avg_atr_avg_dd_mean vs run
χ² / ndf 41.07 / 42
p0 77.27 ± 1901
40000
20000
0
−20000
−40000
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean −71.01
Std Dev 0
2
1
0
−1
−2

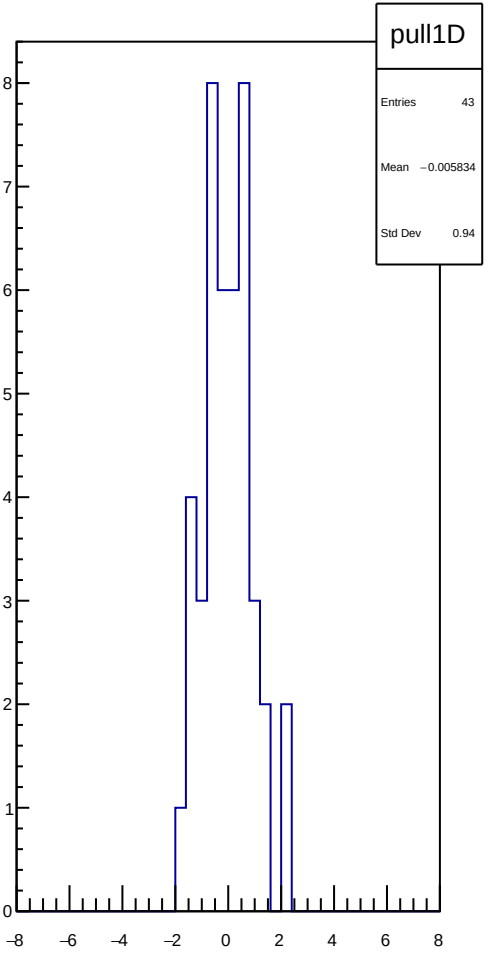

pull1D
Entries 43
Mean 0.01914
Std Dev 0.9771
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

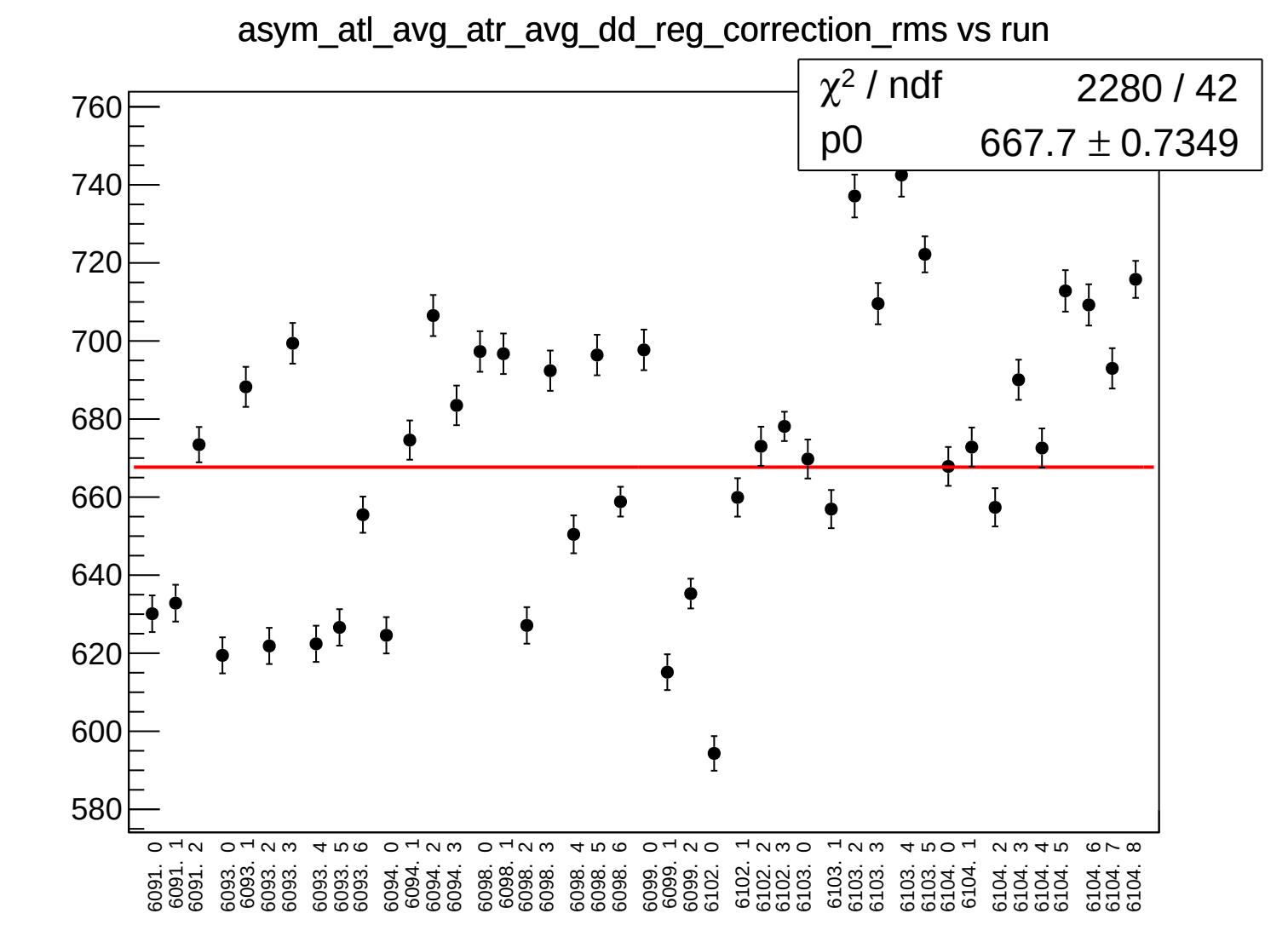

reg_asym_atl_avg_atr_avg_dd_rms vs run
χ² / ndf 192.5 / 42
p0 1223 ± 1.344
1300
1280
1260
1240
1220
1200
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

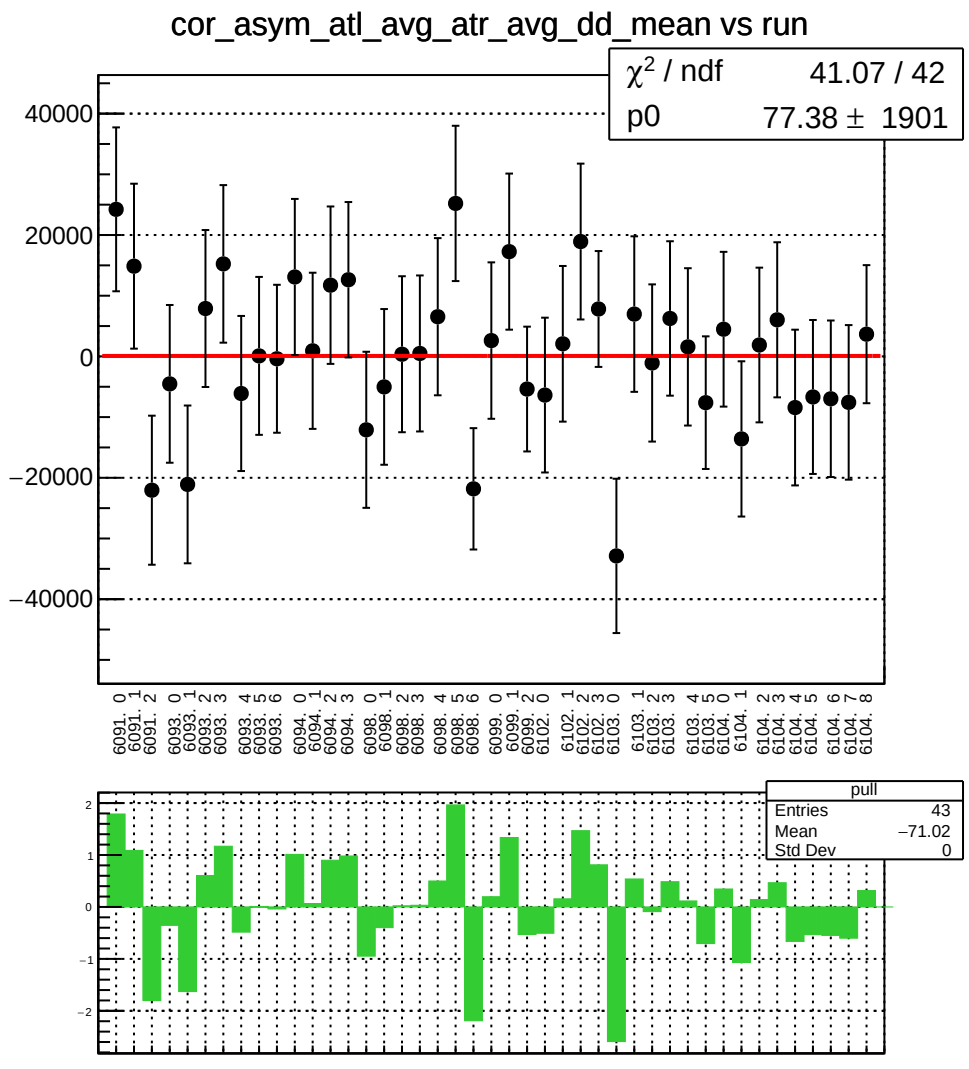
asym_atl_avg_atr_avg_dd_reg_correction_mean vs run

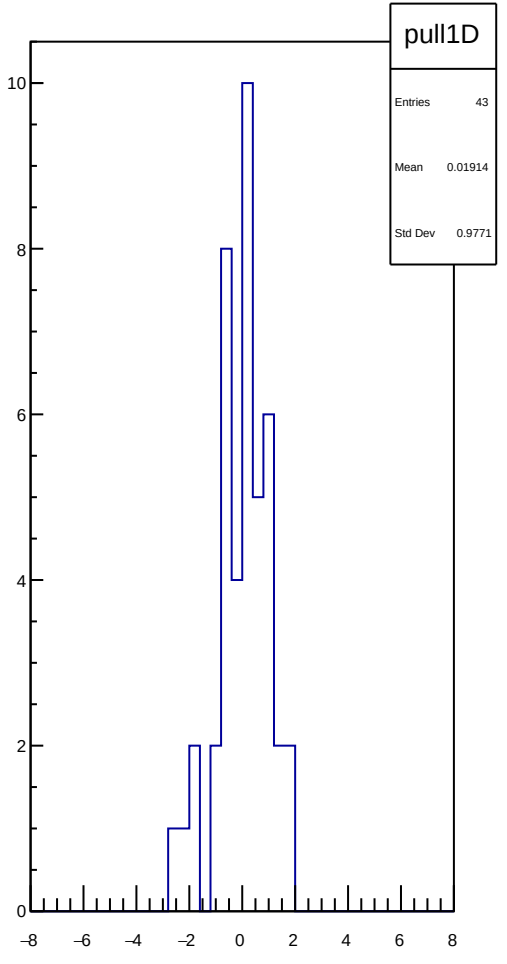


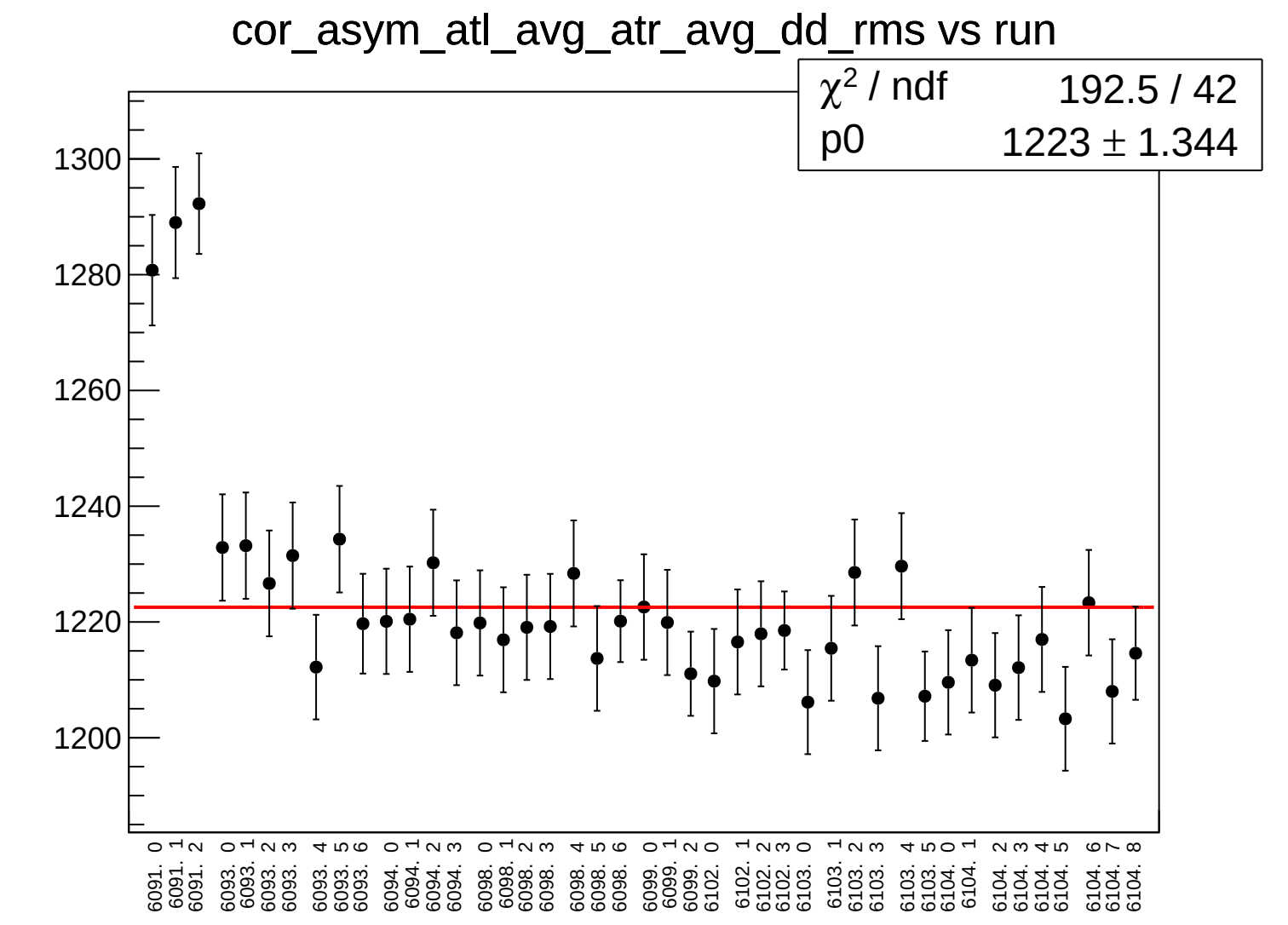


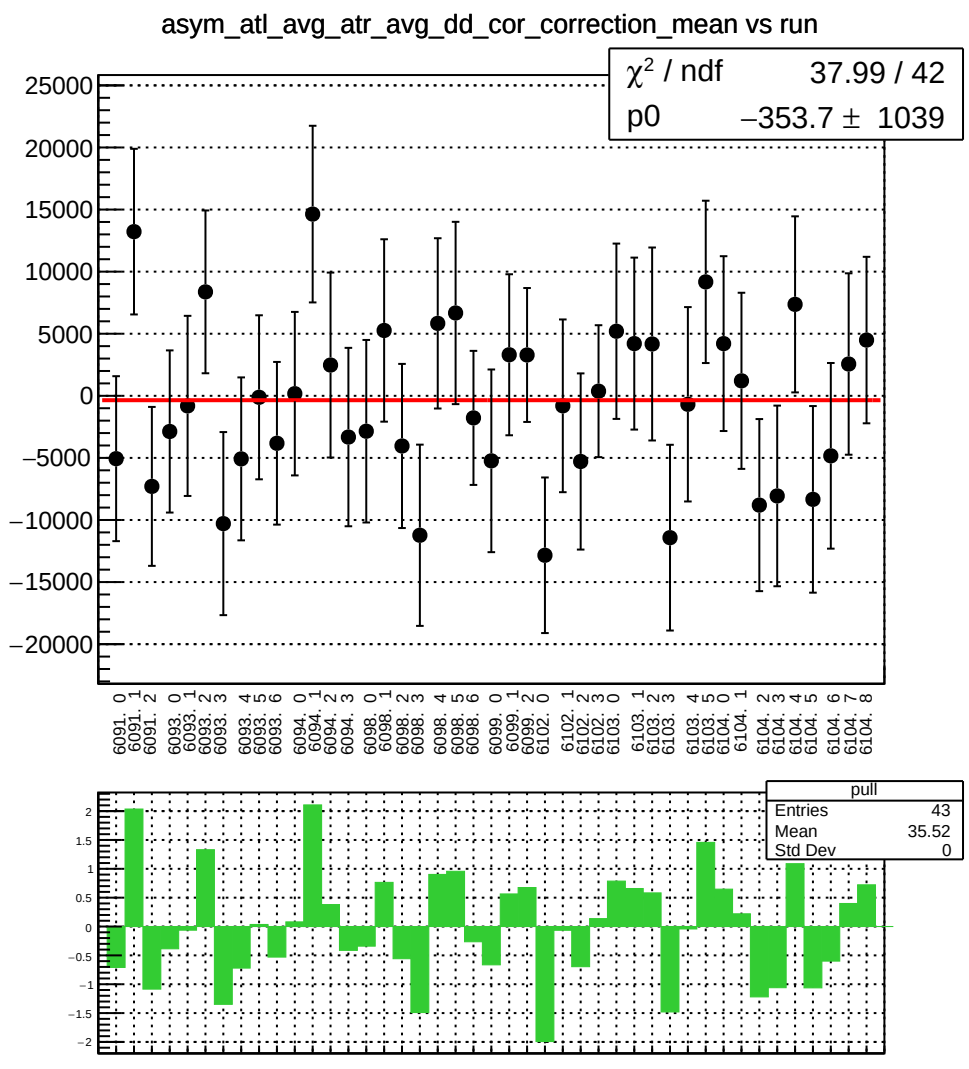


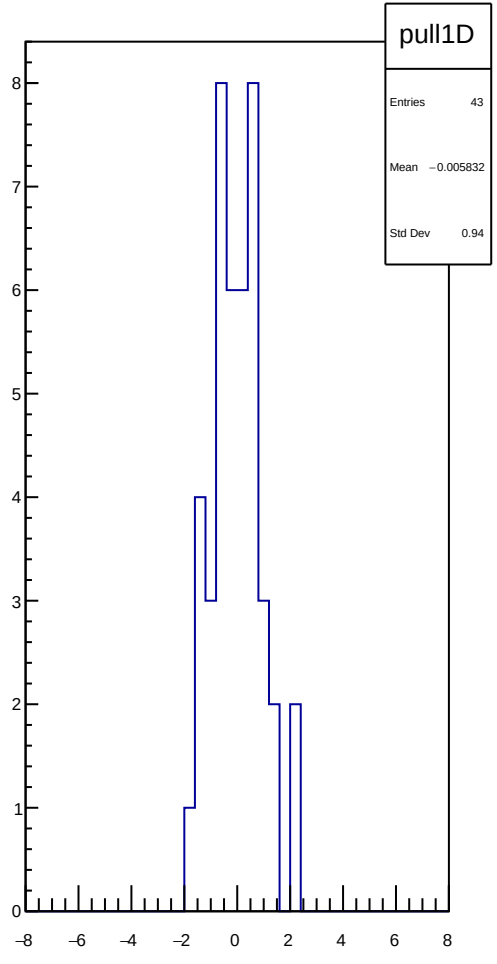

asym_atl_avg_atr_avg_dd_reg_correction_rms vs run
χ² / ndf 2280 / 42
p0 667.7 ± 0.7349
760
740
720
700
680
660
640
620
600
580
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

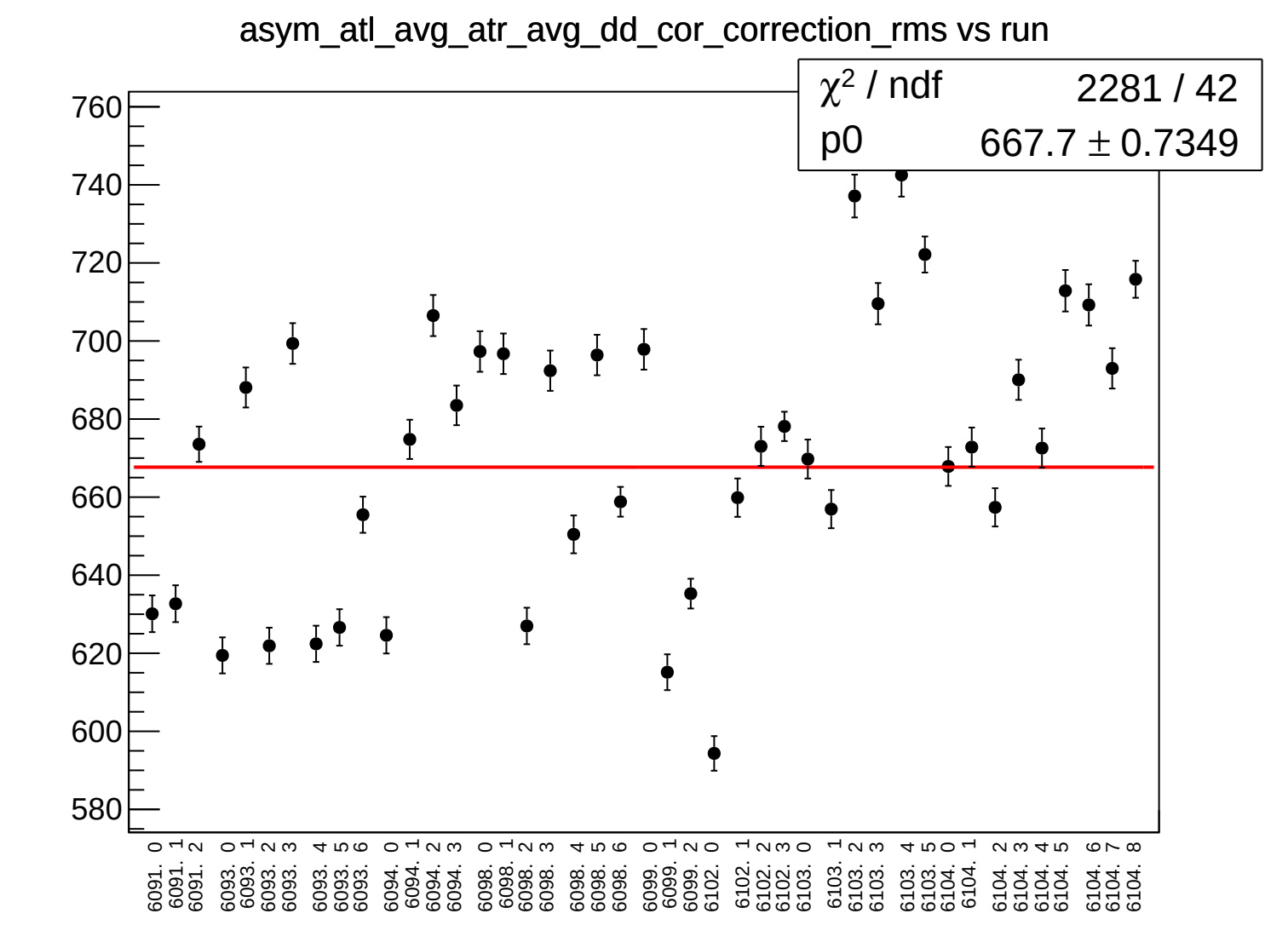

cor_asym_atl_avg_atr_avg_dd_mean vs run
χ² / ndf 41.07 / 42
p0 77.38 ± 1901
40000
20000
0
−20000
−40000
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean −71.02
Std Dev 0
2
1
0
−1
−2

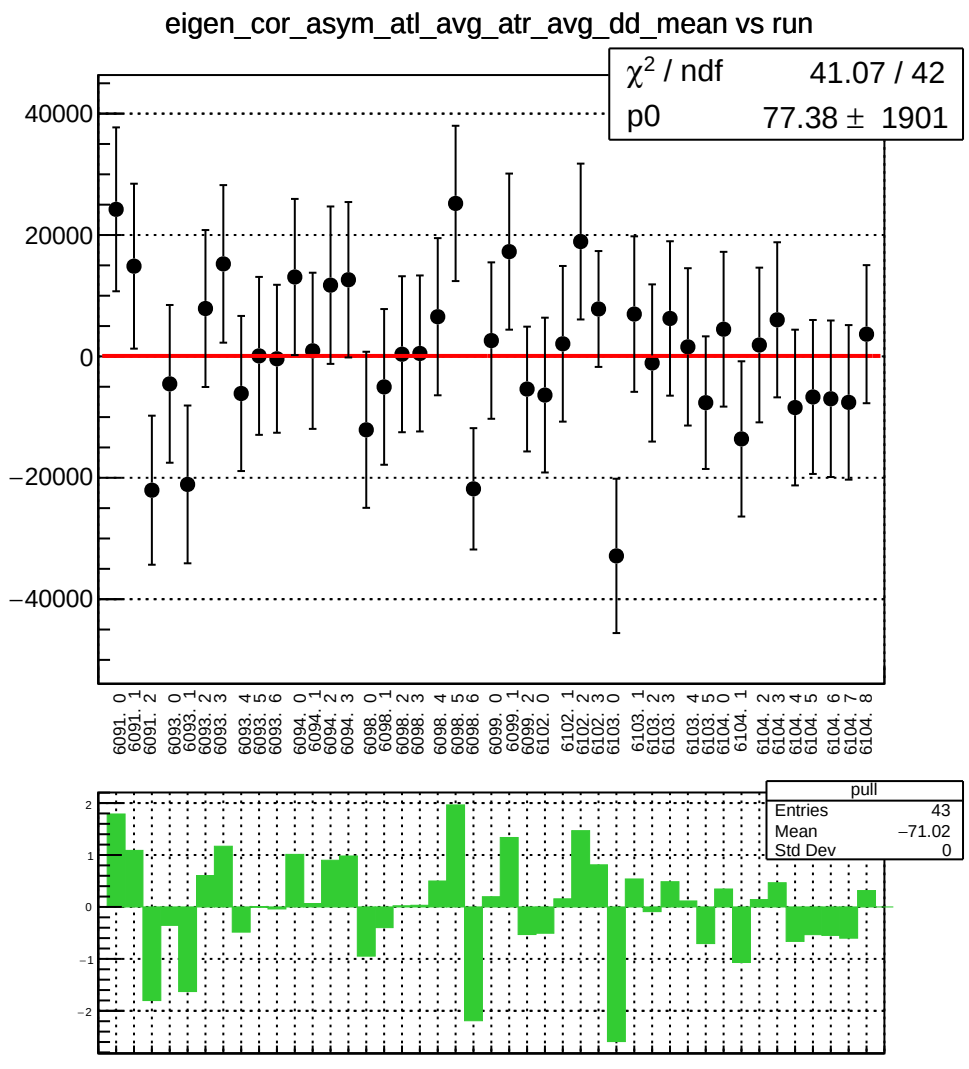

pull1D
Entries 43
Mean 0.01914
Std Dev 0.9771
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

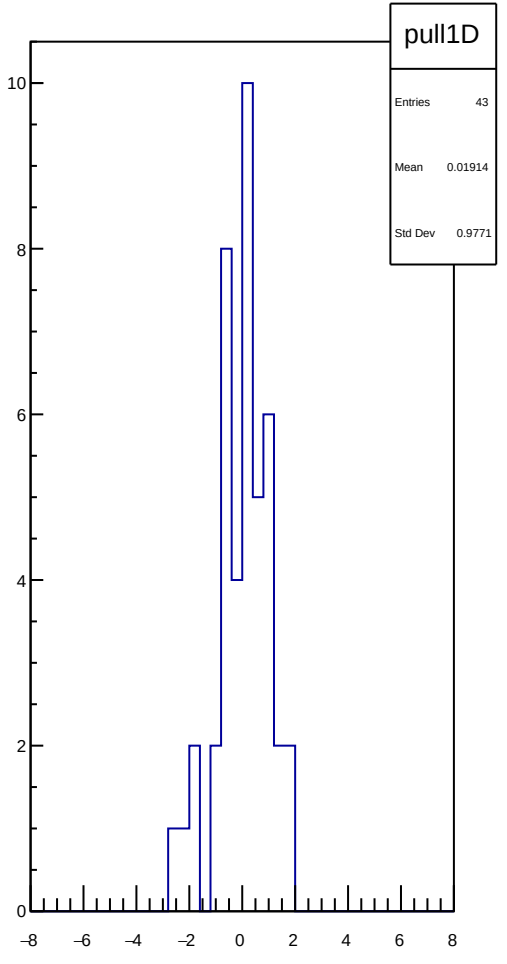

cor_asym_atl_avg_atr_avg_dd_rms vs run
χ² / ndf 192.5 / 42
p0 1223 ± 1.344
1300
1280
1260
1240
1220
1200
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

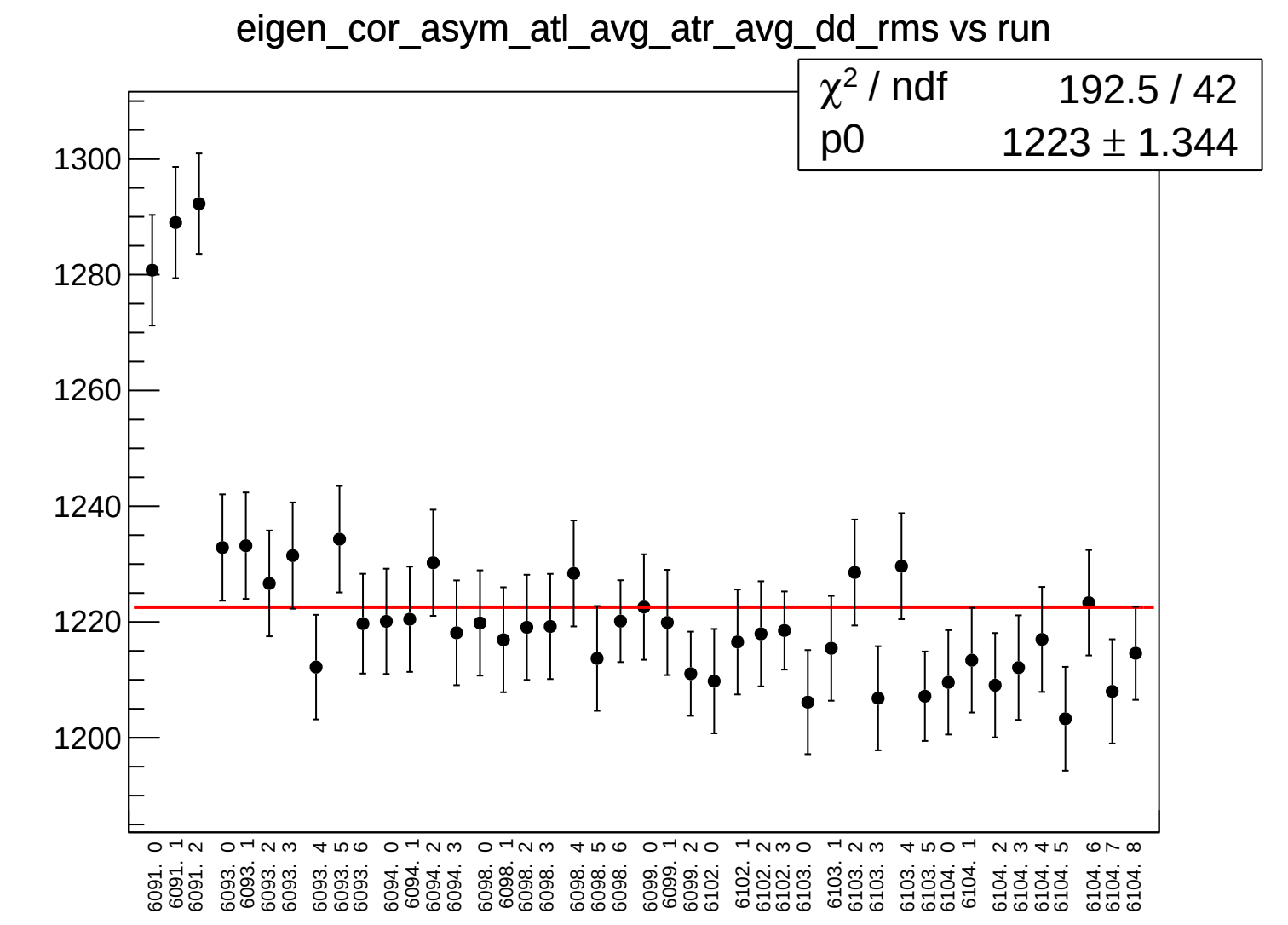

asym_atl_avg_atr_avg_dd_cor_correction_mean vs run
χ² / ndf 37.99 / 42
p0 −353.7 ± 1039
pull
Entries 43
Mean 35.52
Std Dev 0

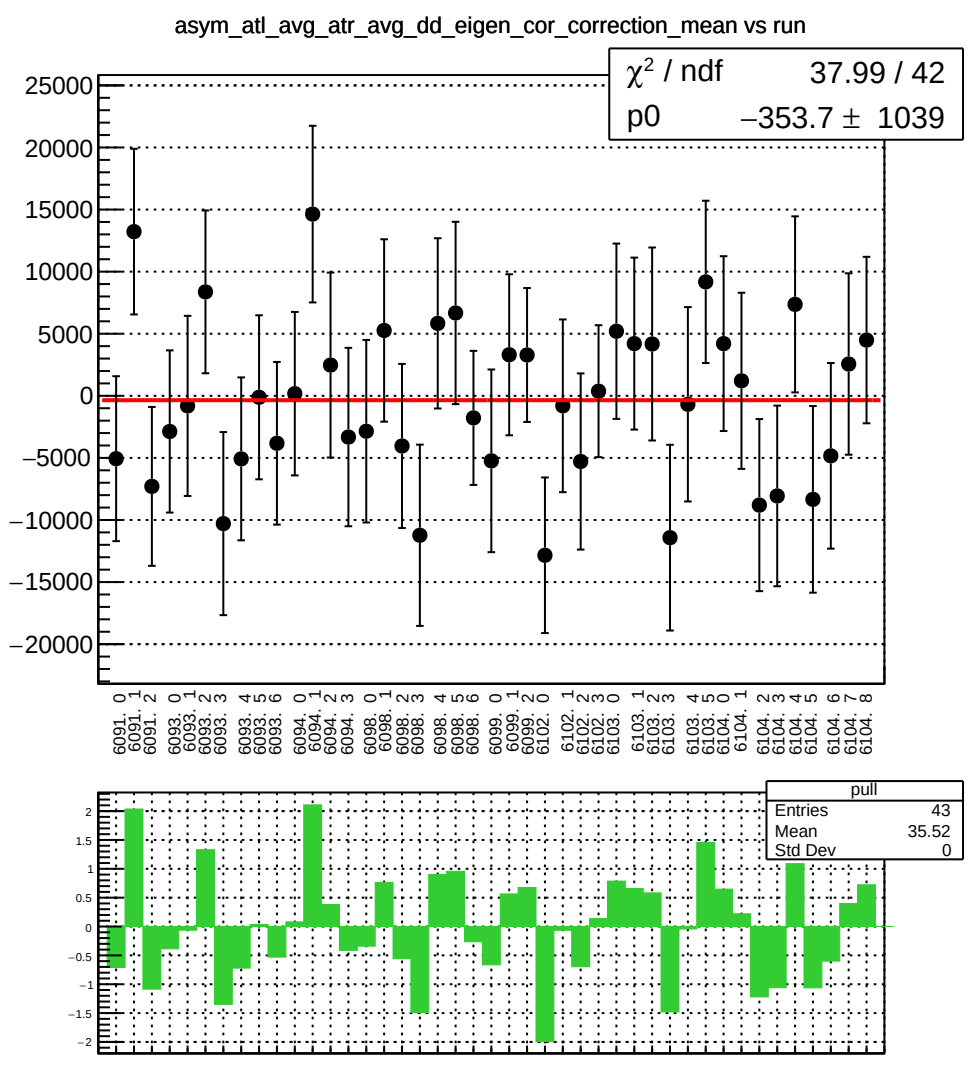

pull1D
Entries 43
Mean −0.005832
Std Dev 0.94

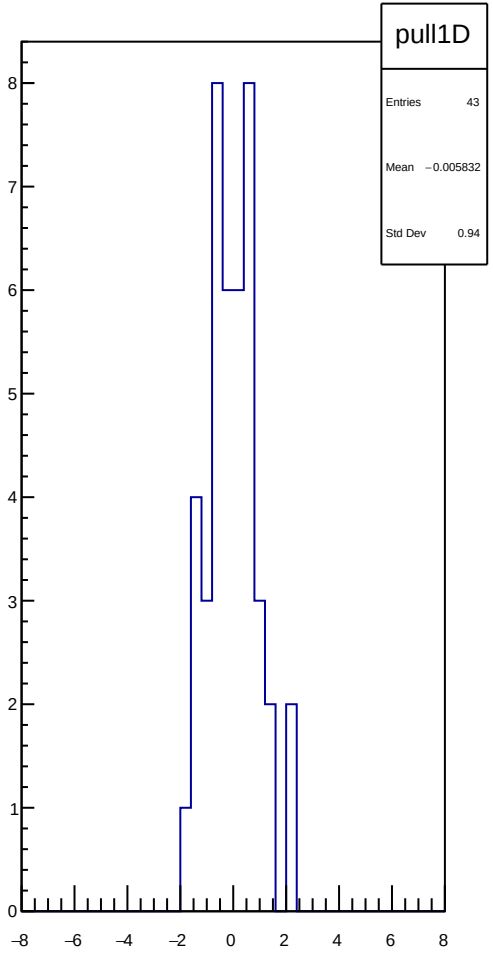

asym_atl_avg_atr_avg_dd_cor_correction_rms vs run
χ² / ndf 2281 / 42
p0 667.7 ± 0.7349
760
740
720
700
680
660
640
620
600
580
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

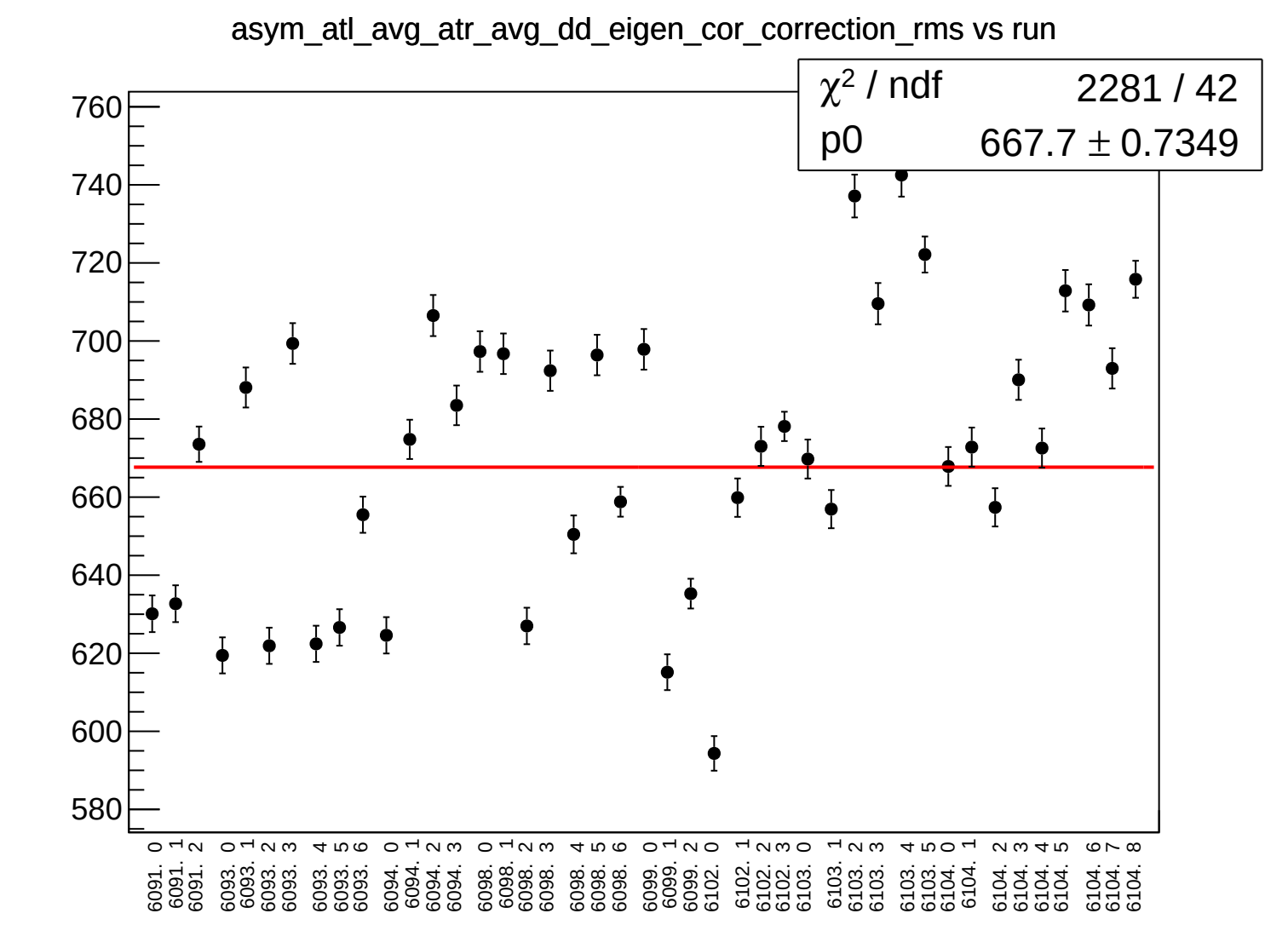

eigen_cor_asym_atl_avg_atr_avg_dd_mean vs run
χ² / ndf 41.07 / 42
p0 77.38 ± 1901
40000
20000
0
−20000
−40000
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean −71.02
Std Dev 0
2
1
0
−1
−2

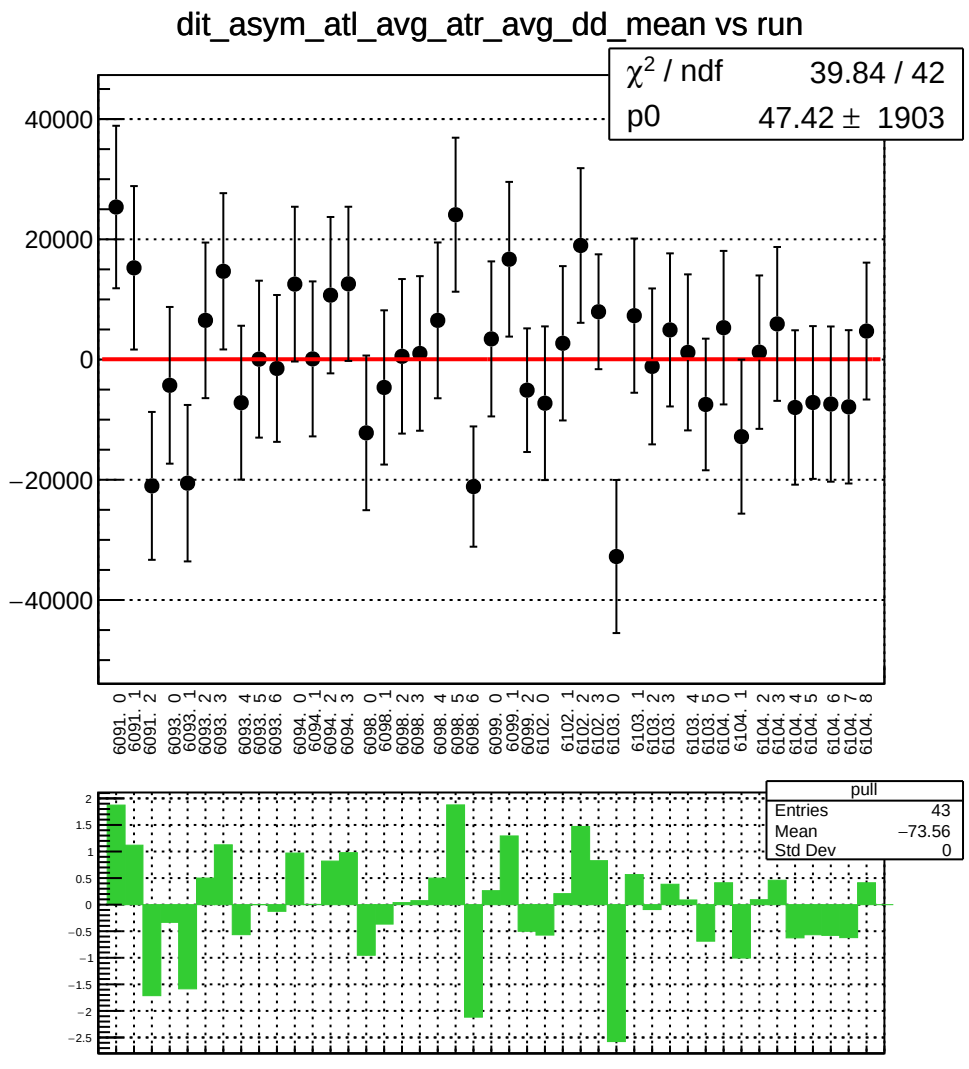

pull1D
Entries 43
Mean 0.01914
Std Dev 0.9771
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

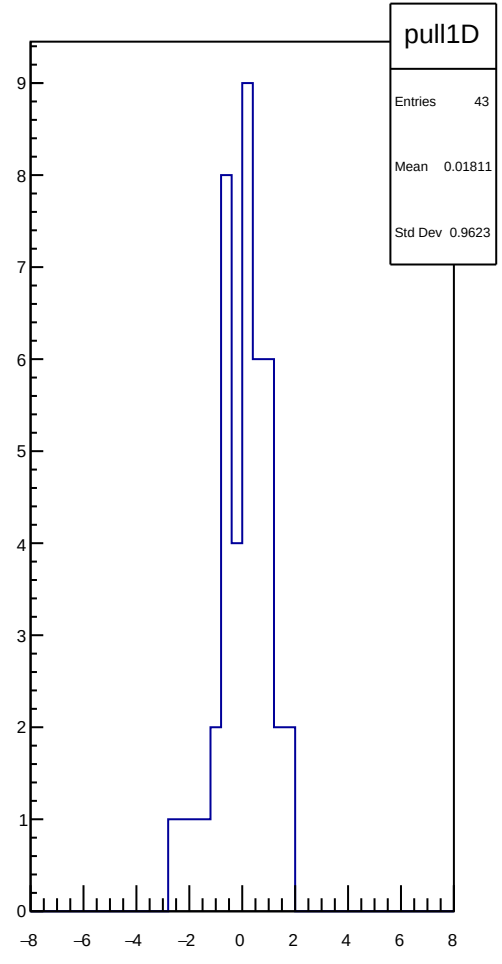

eigen_cor_asym_atl_avg_atr_avg_dd_rms vs run
χ² / ndf 192.5 / 42
p0 1223 ± 1.344
1300
1280
1260
1240
1220
1200
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

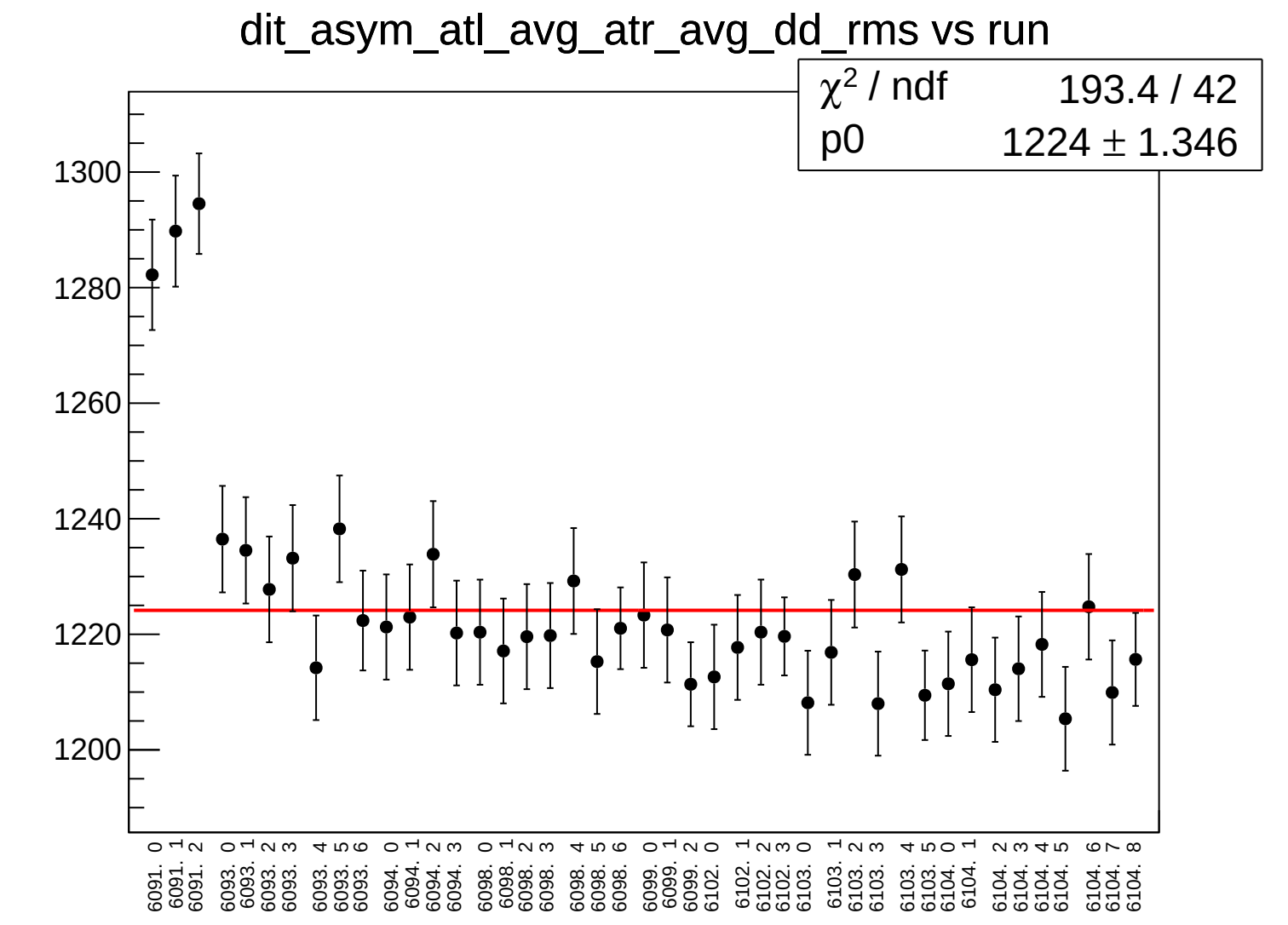

asym_atl_avg_atr_avg_dd_eigen_cor_correction_mean vs run
χ² / ndf 37.99 / 42
p0 −353.7 ± 1039
25000
20000
15000
10000
5000
0
−5000
−10000
−15000
−20000
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 35.52
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

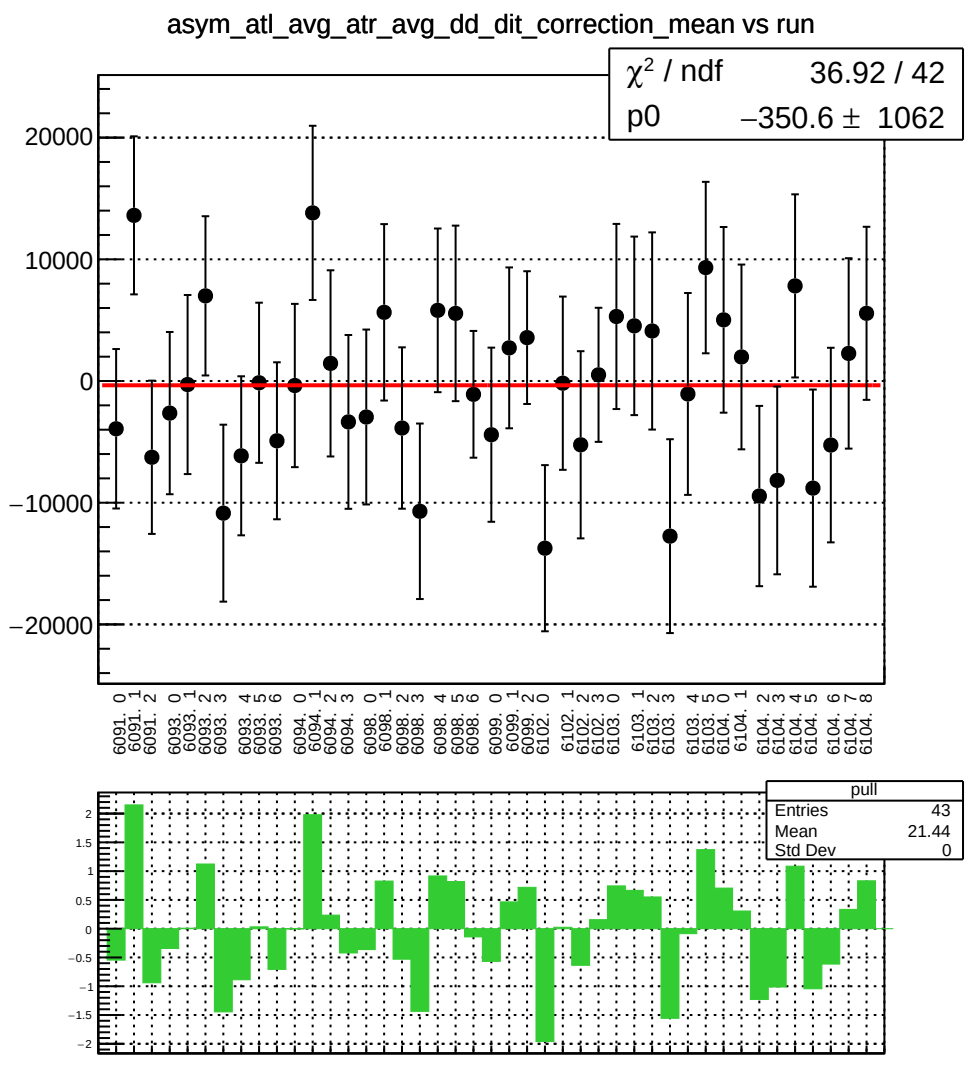

pull1D
Entries 43
Mean −0.005832
Std Dev 0.94
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

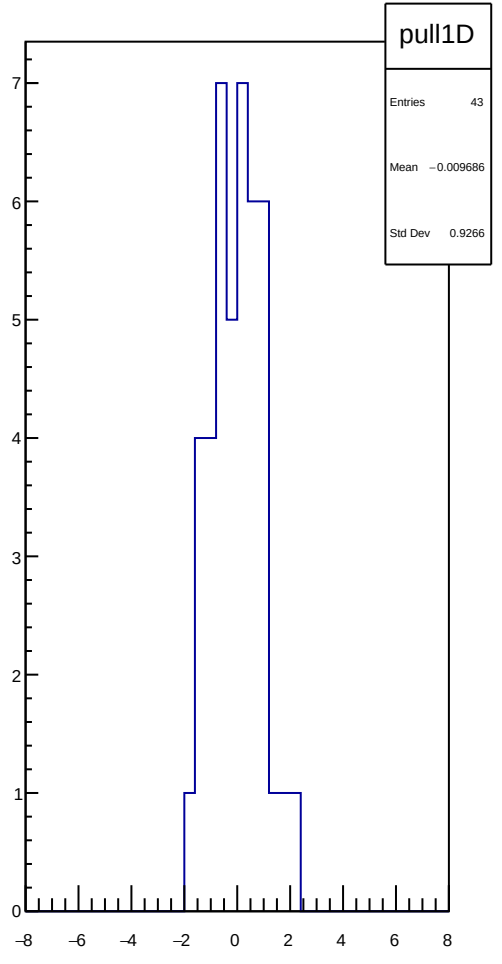

asym_atl_avg_atr_avg_dd_eigen_cor_correction_rms vs run
χ² / ndf 2281 / 42
p0 667.7 ± 0.7349
760
740
720
700
680
660
640
620
600
580
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

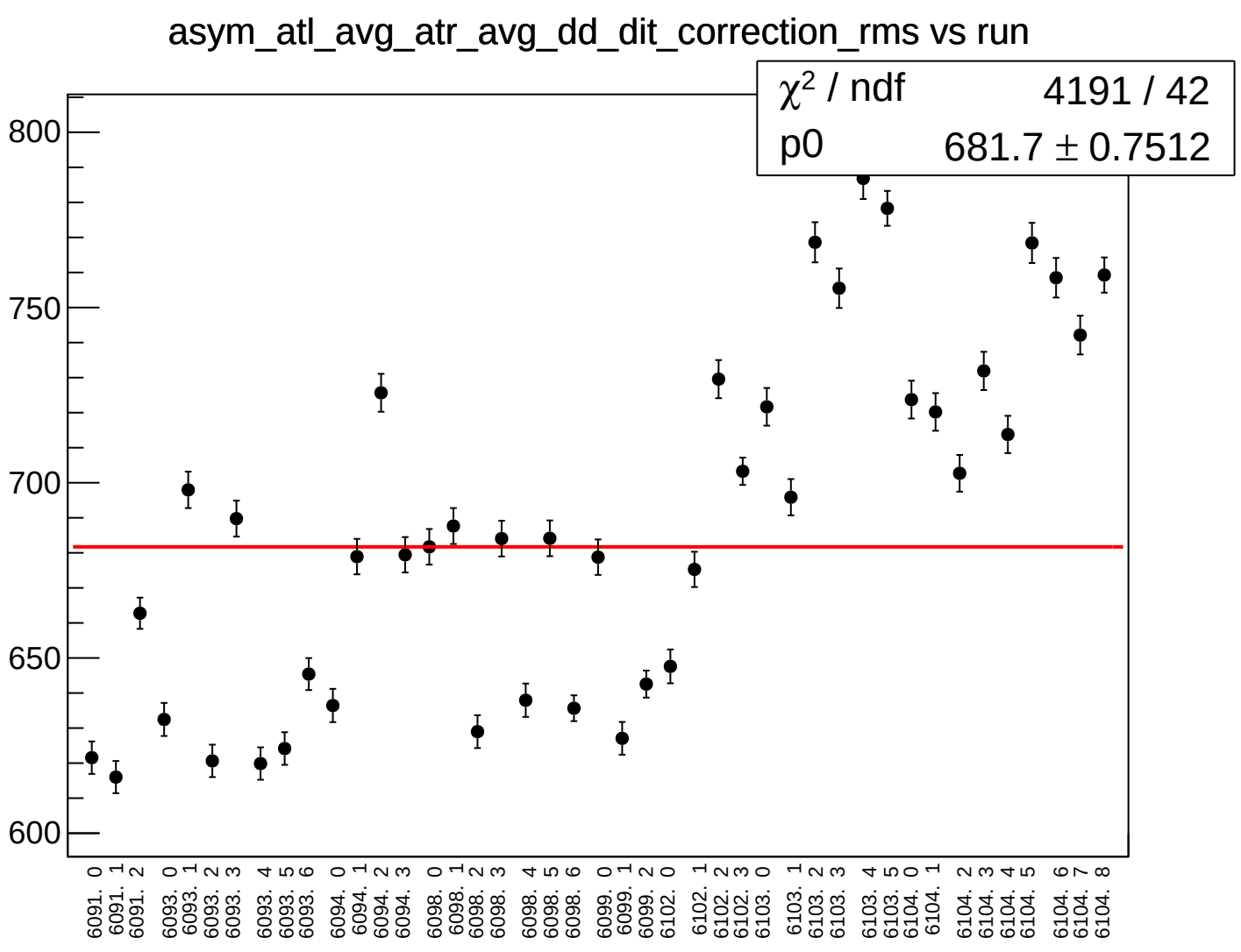

dit_asym_atl_avg_atr_avg_dd_mean vs run
χ² / ndf 39.84 / 42
p0 47.42 ± 1903
40000
20000
0
−20000
−40000
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean −73.56
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

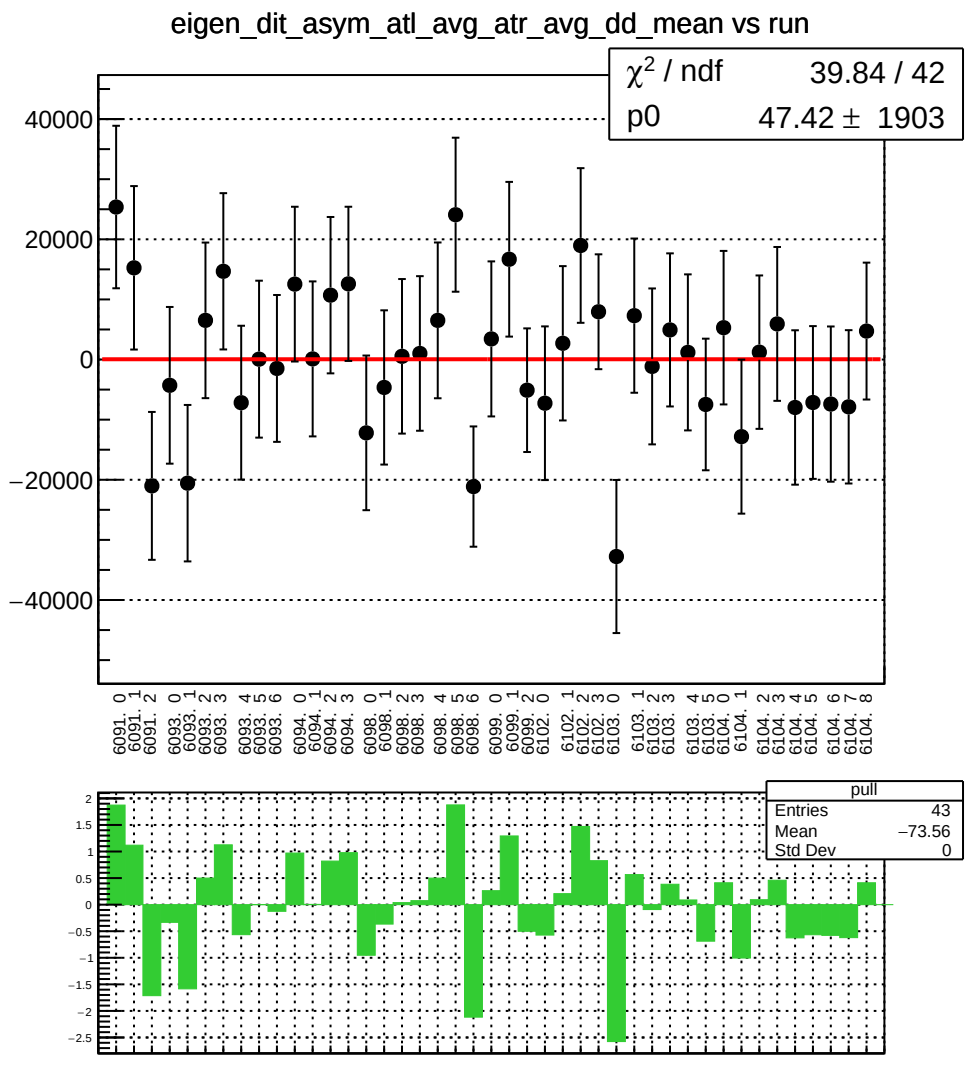

pull1D
Entries 43
Mean 0.01811
Std Dev 0.9623
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

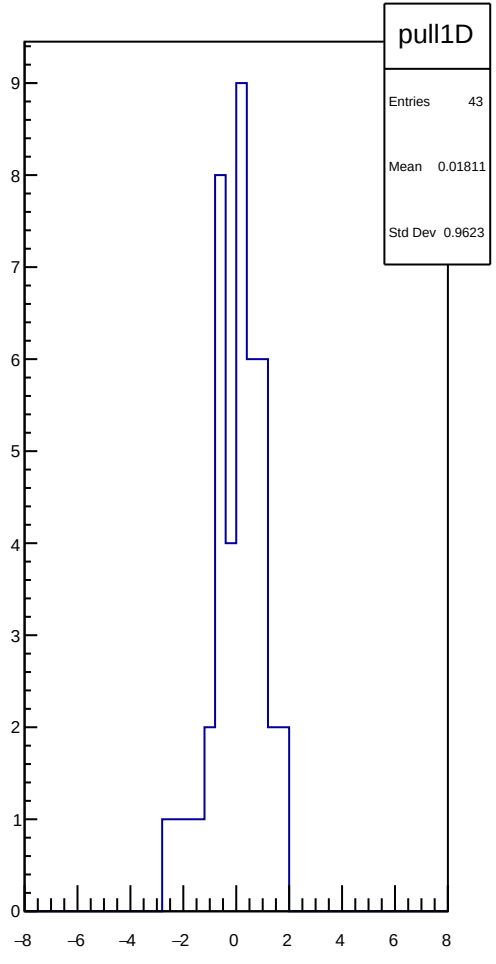

dit_asym_atl_avg_atr_avg_dd_rms vs run
χ² / ndf 193.4 / 42
p0 1224 ± 1.346
1300
1280
1260
1240
1220
1200
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

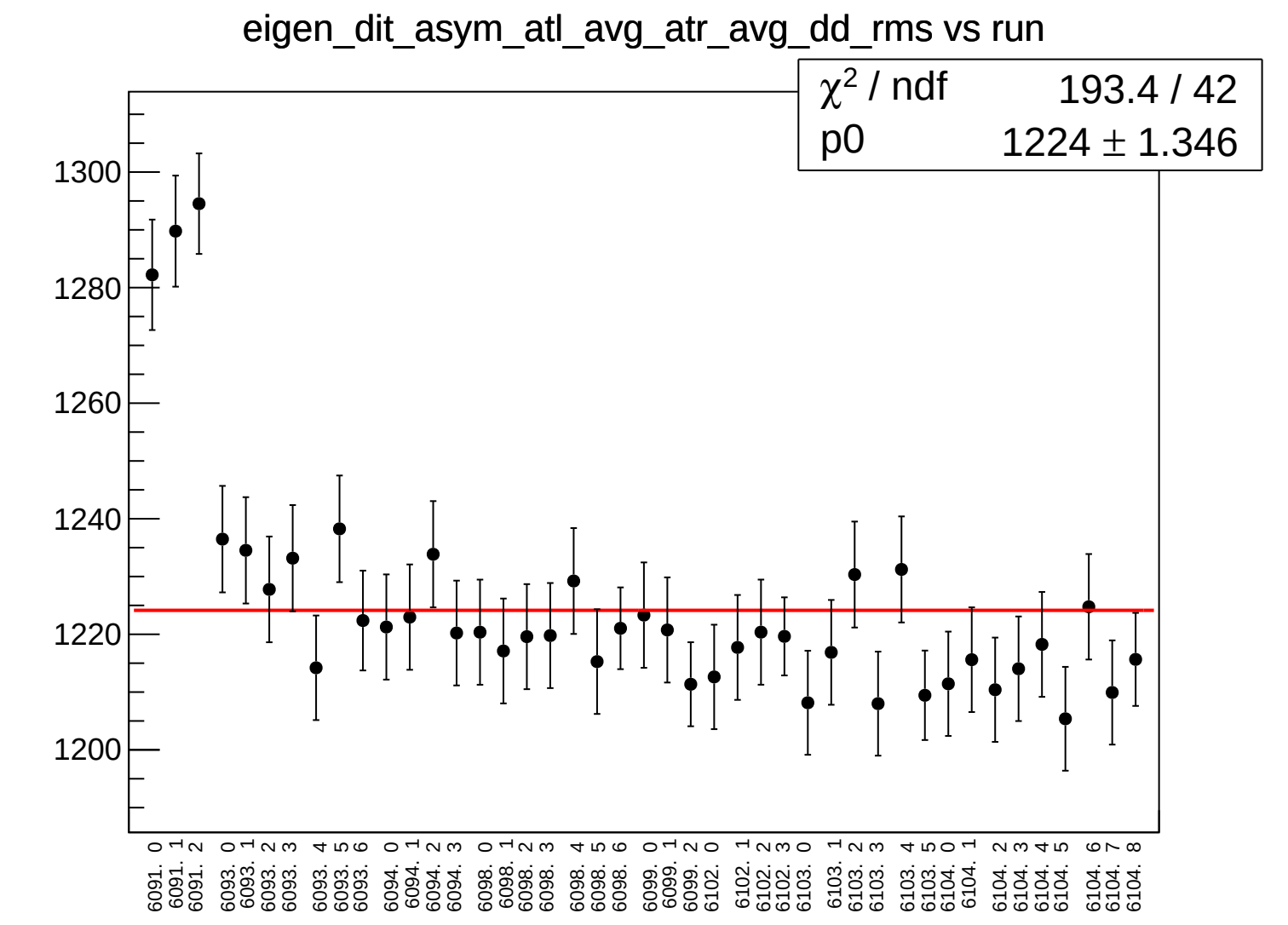

asym_atl_avg_atr_avg_dd_dit_correction_mean vs run
χ² / ndf 36.92 / 42
p0 −350.6 ± 1062
20000
10000
0
−10000
−20000
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 21.44
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

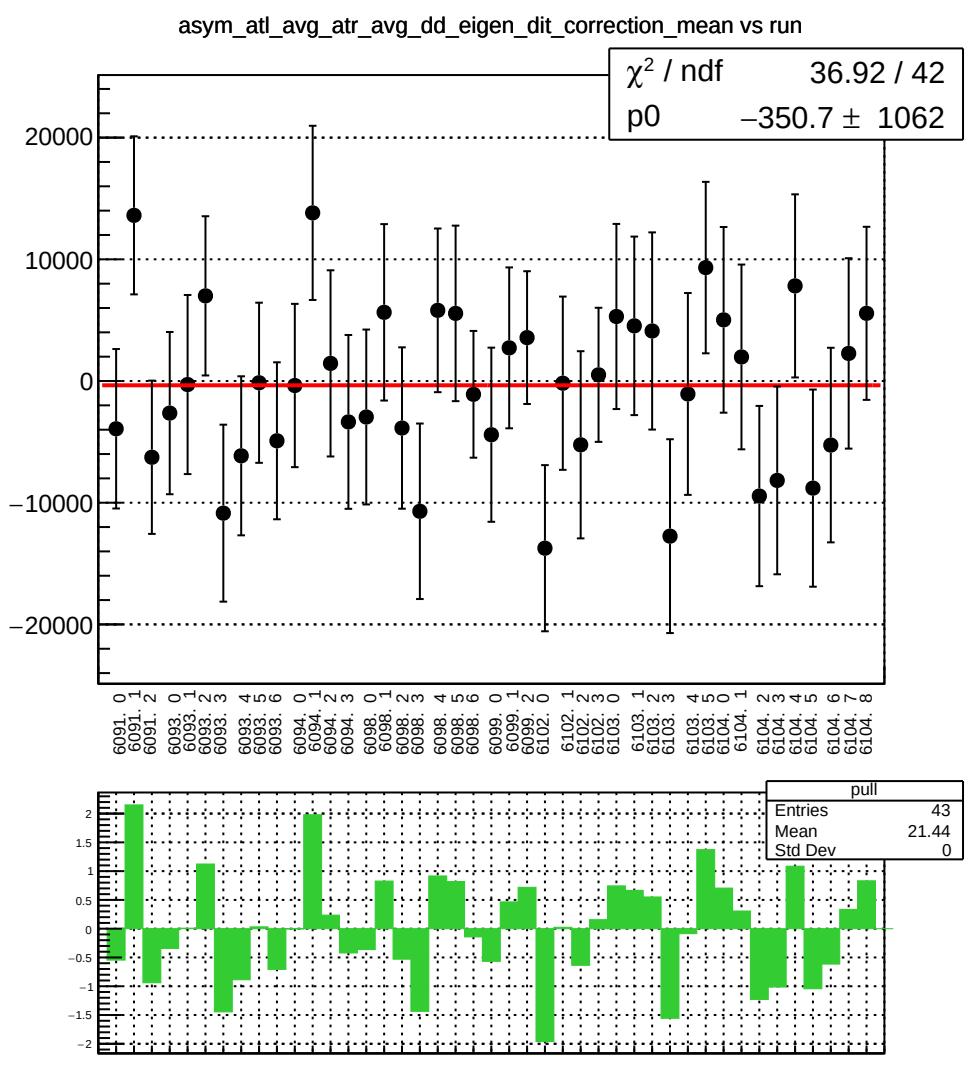

pull1D
Entries 43
Mean −0.009686
Std Dev 0.9266
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

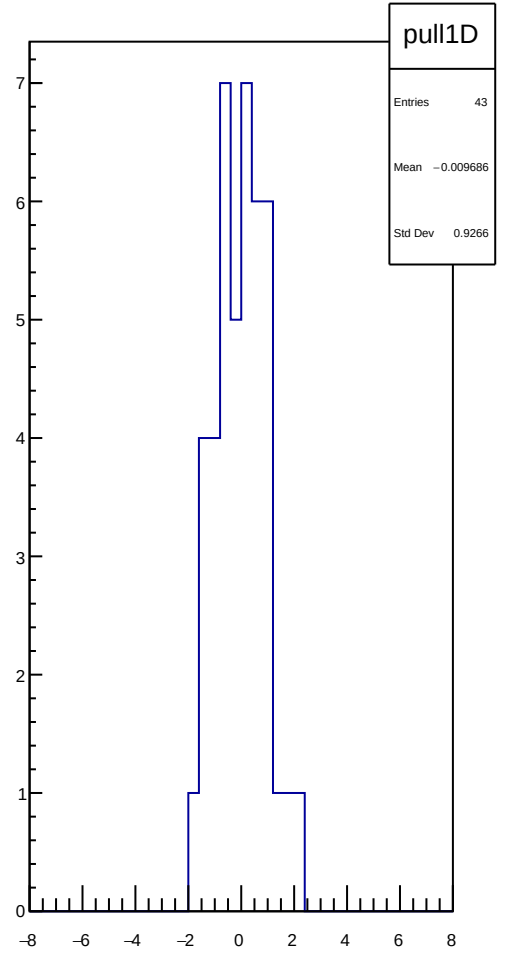

asym_atl_avg_atr_avg_dd_dit_correction_rms vs run
χ² / ndf 4191 / 42
p0 681.7 ± 0.7512
800
750
700
650
600
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

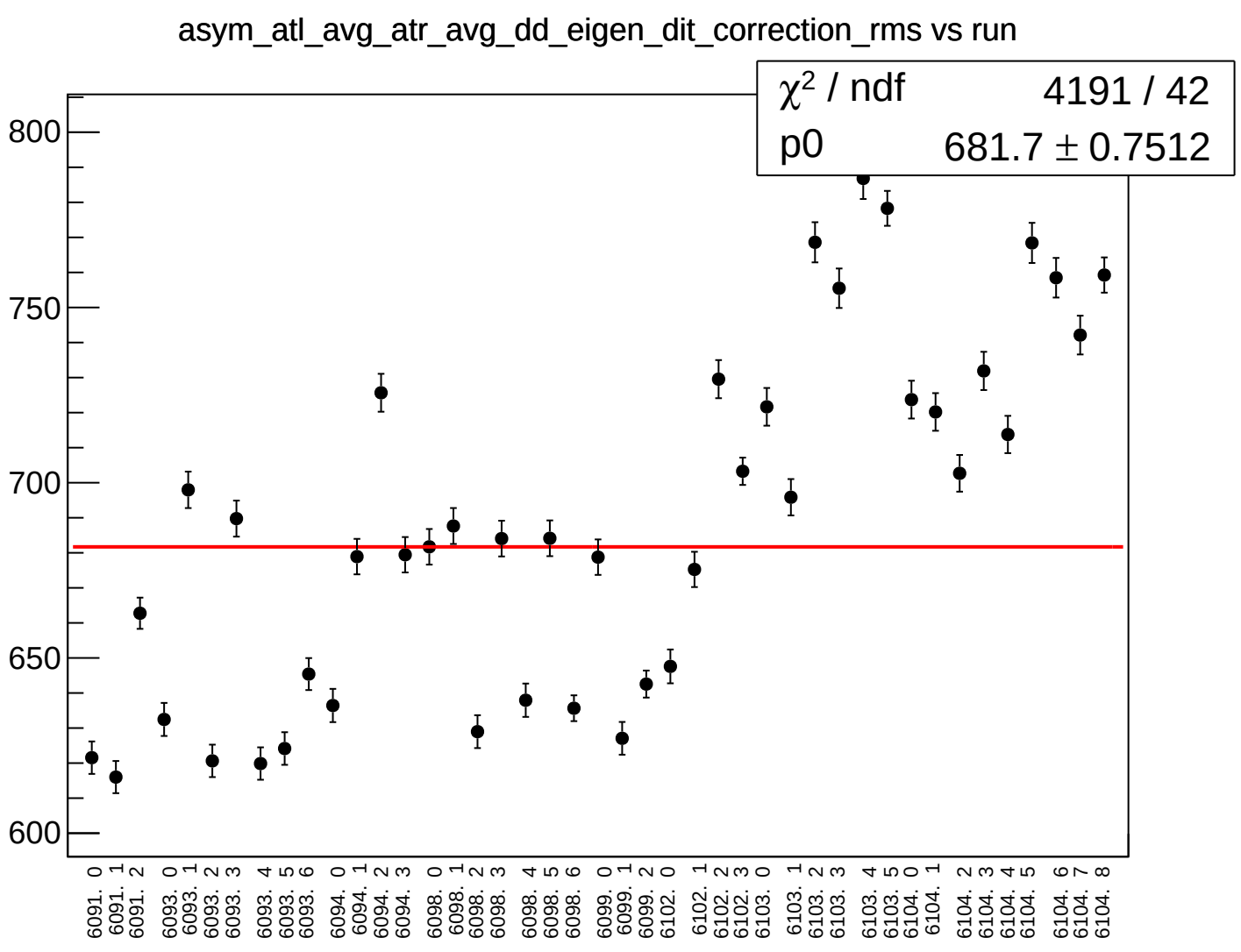

eigen_dit_asym_atl_avg_atr_avg_dd_mean vs run
χ² / ndf 39.84 / 42
p0 47.42 ± 1903
40000
20000
0
−20000
−40000
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean −73.56
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

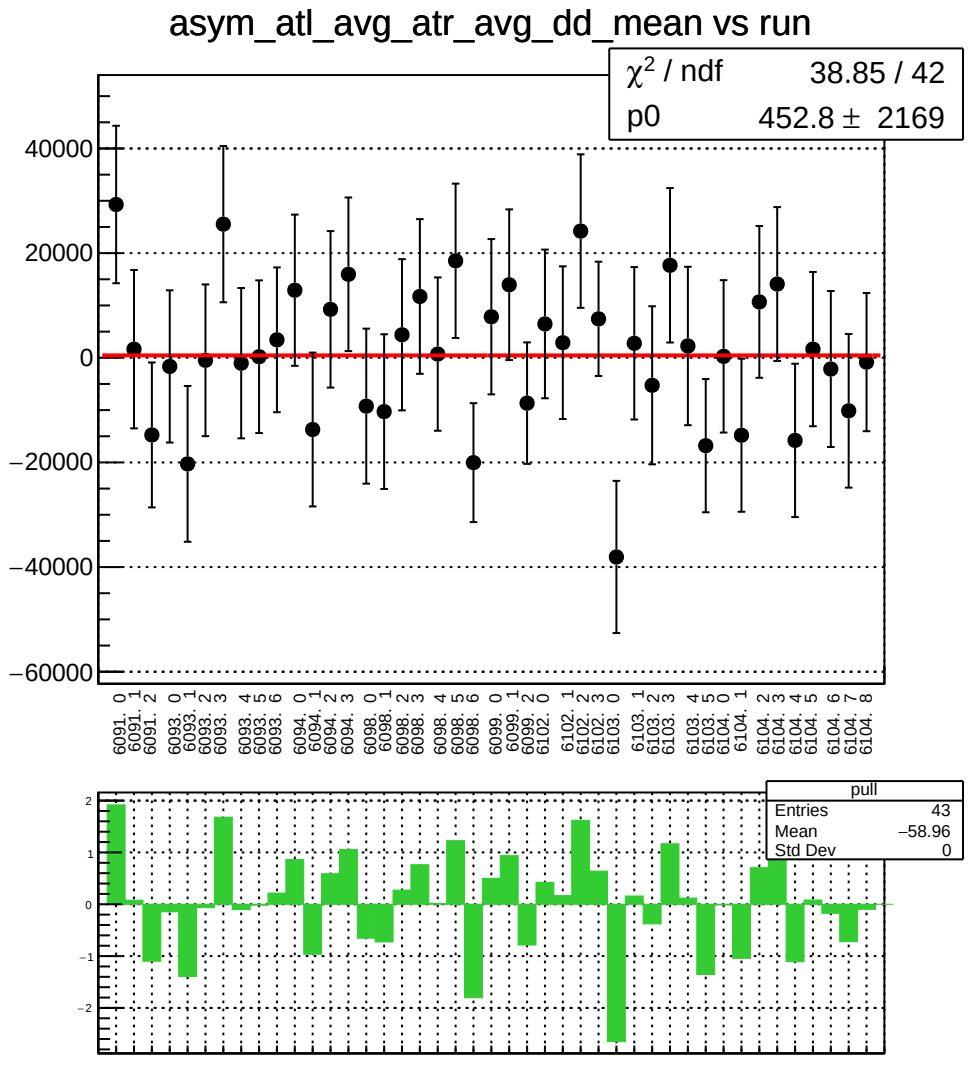

pull1D
Entries 43
Mean 0.01811
Std Dev 0.9623
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

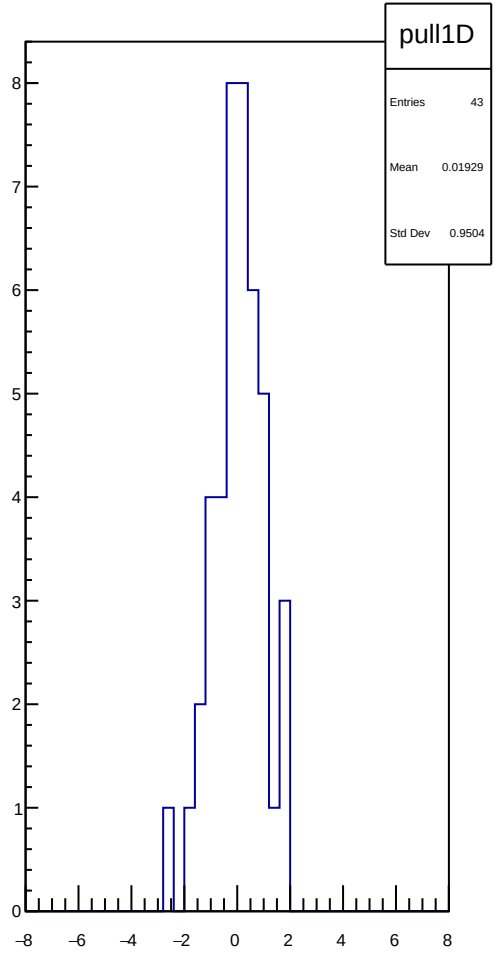

eigen_dit_asym_atl_avg_atr_avg_dd_rms vs run
χ² / ndf 193.4 / 42
p0 1224 ± 1.346
1300
1280
1260
1240
1220
1200
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

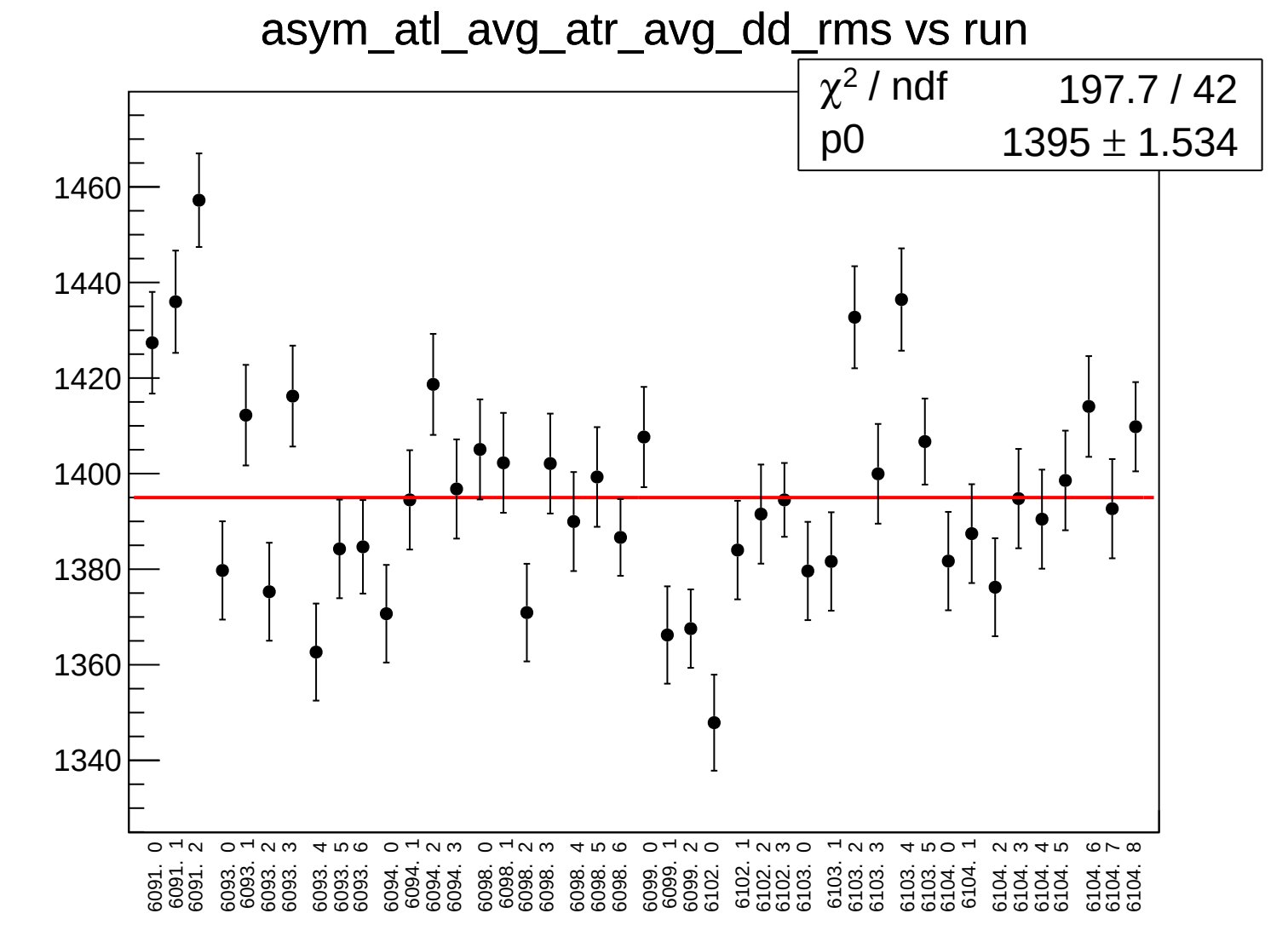

asym_atl_avg_atr_avg_dd_eigen_dit_correction_mean vs run
χ² / ndf 36.92 / 42
p0 −350.7 ± 1062
20000
10000
0
−10000
−20000
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 21.44
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

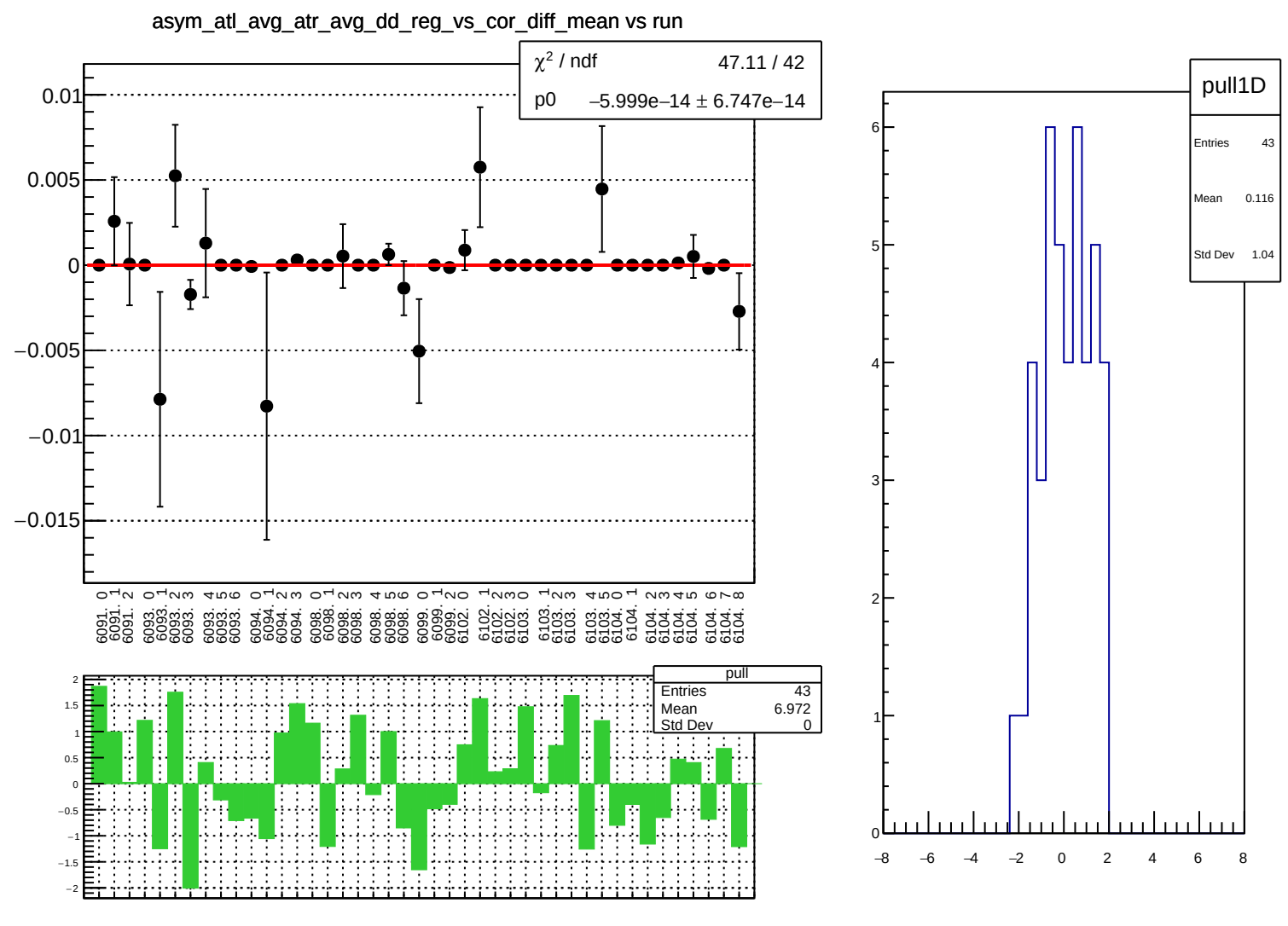

pull1D
Entries 43
Mean −0.009686
Std Dev 0.9266
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

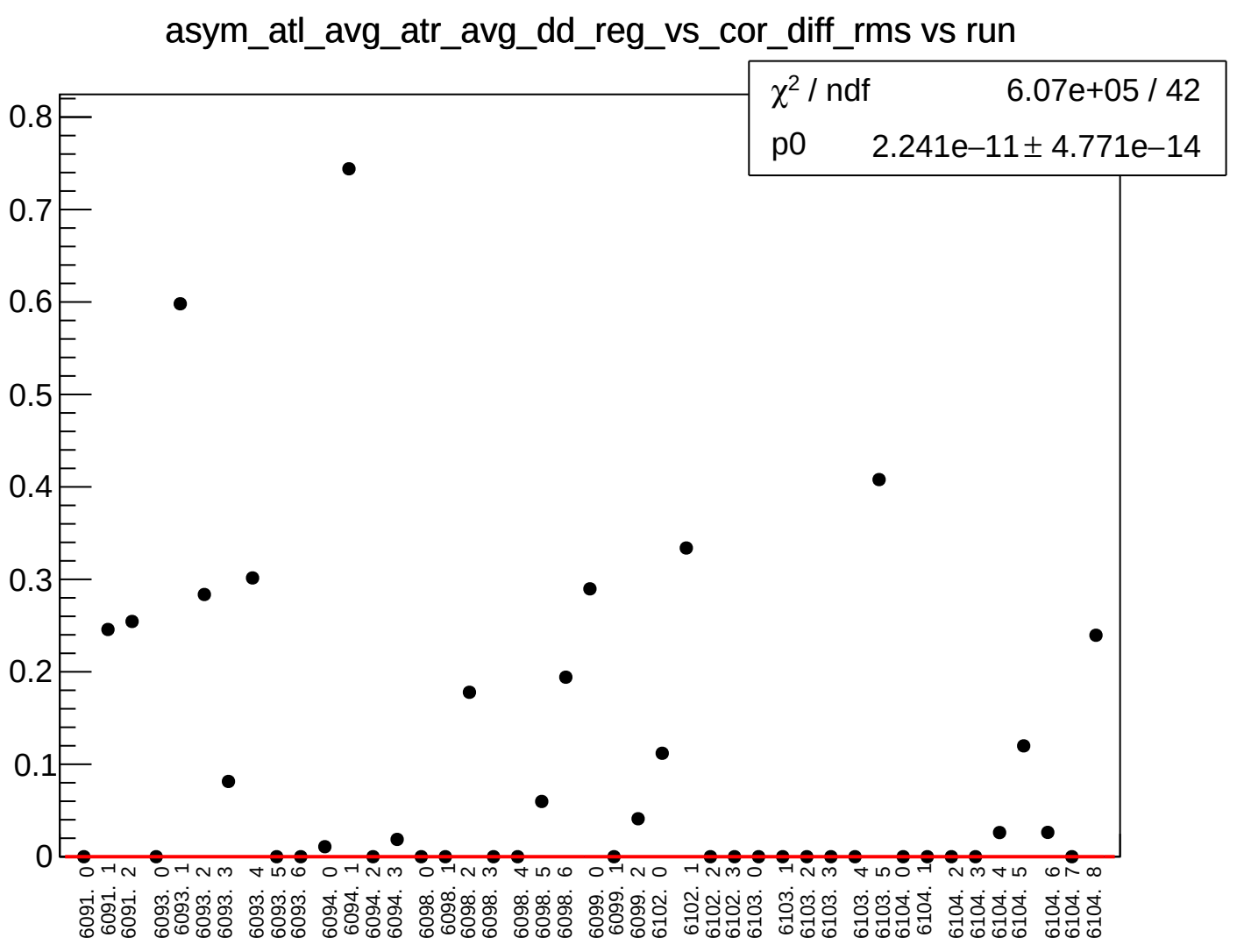

asym_atl_avg_atr_avg_dd_eigen_dit_correction_rms vs run
χ² / ndf 4191 / 42
p0 681.7 ± 0.7512
800
750
700
650
600
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

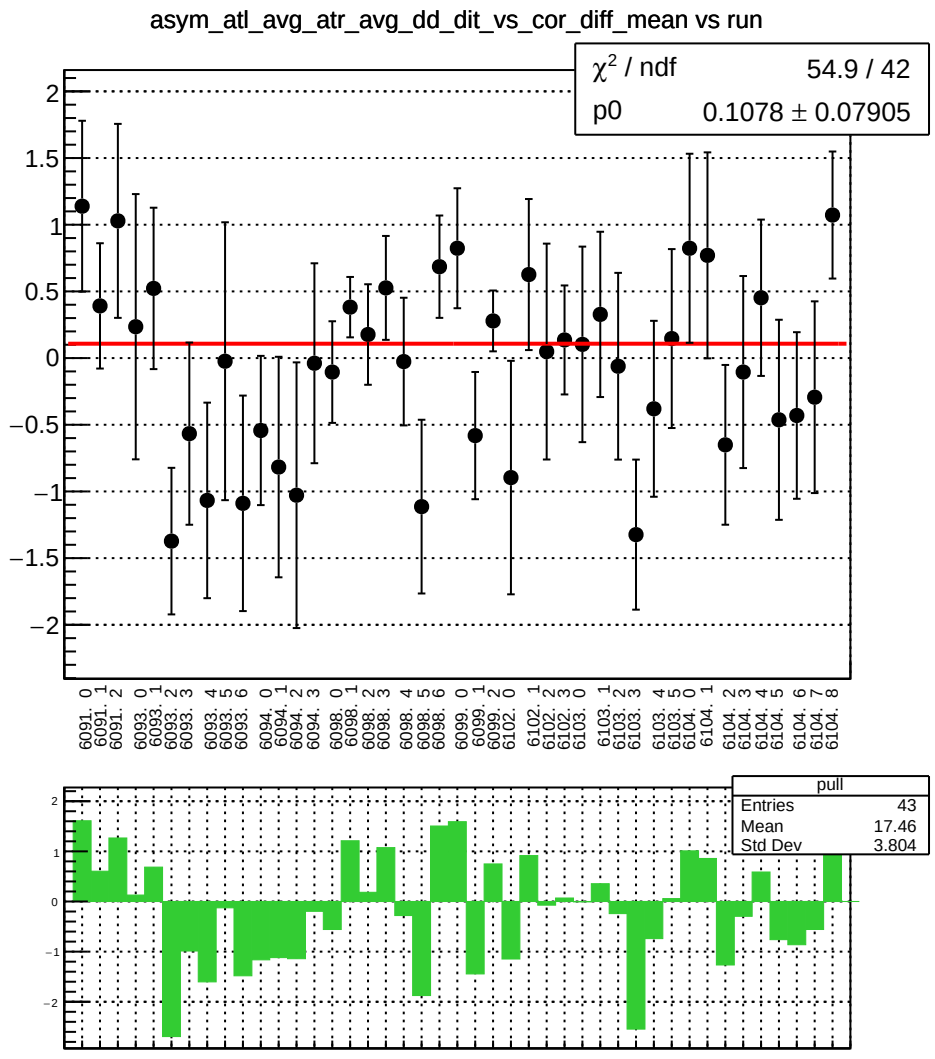

asym_atl_avg_atr_avg_dd_mean vs run
χ² / ndf 38.85 / 42
p0 452.8 ± 2169
40000
20000
0
−20000
−40000
−60000
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean −58.96
Std Dev 0
2
1
0
−1
−2

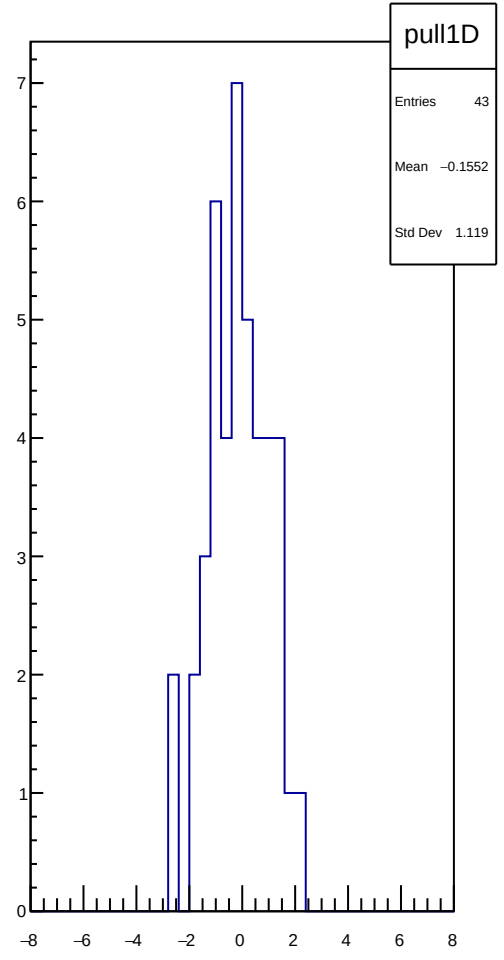

pull1D
Entries 43
Mean 0.01929
Std Dev 0.9504
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

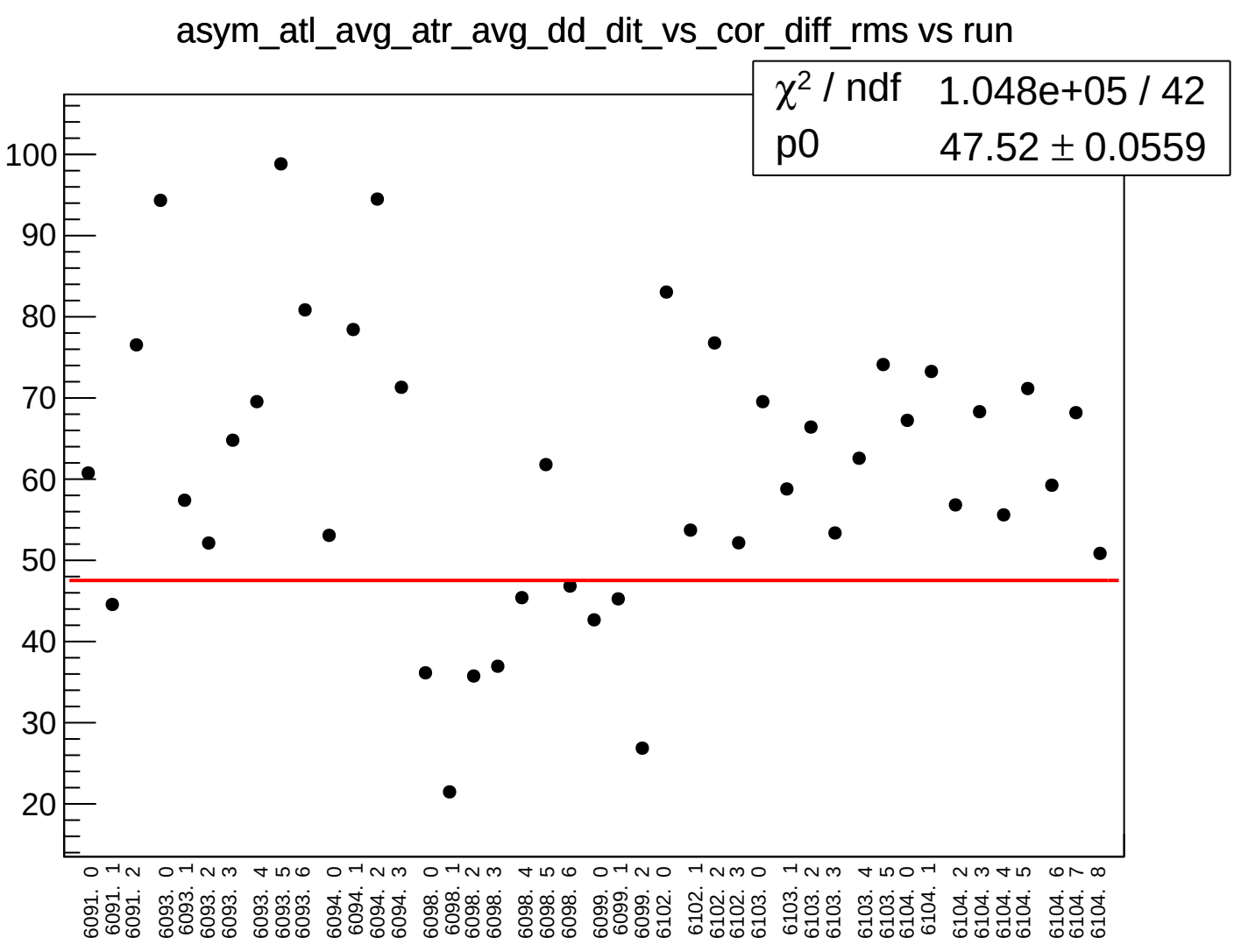

asym_atl_avg_atr_avg_dd_rms vs run
χ² / ndf 197.7 / 42
p0 1395 ± 1.534
1460
1440
1420
1400
1380
1360
1340
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

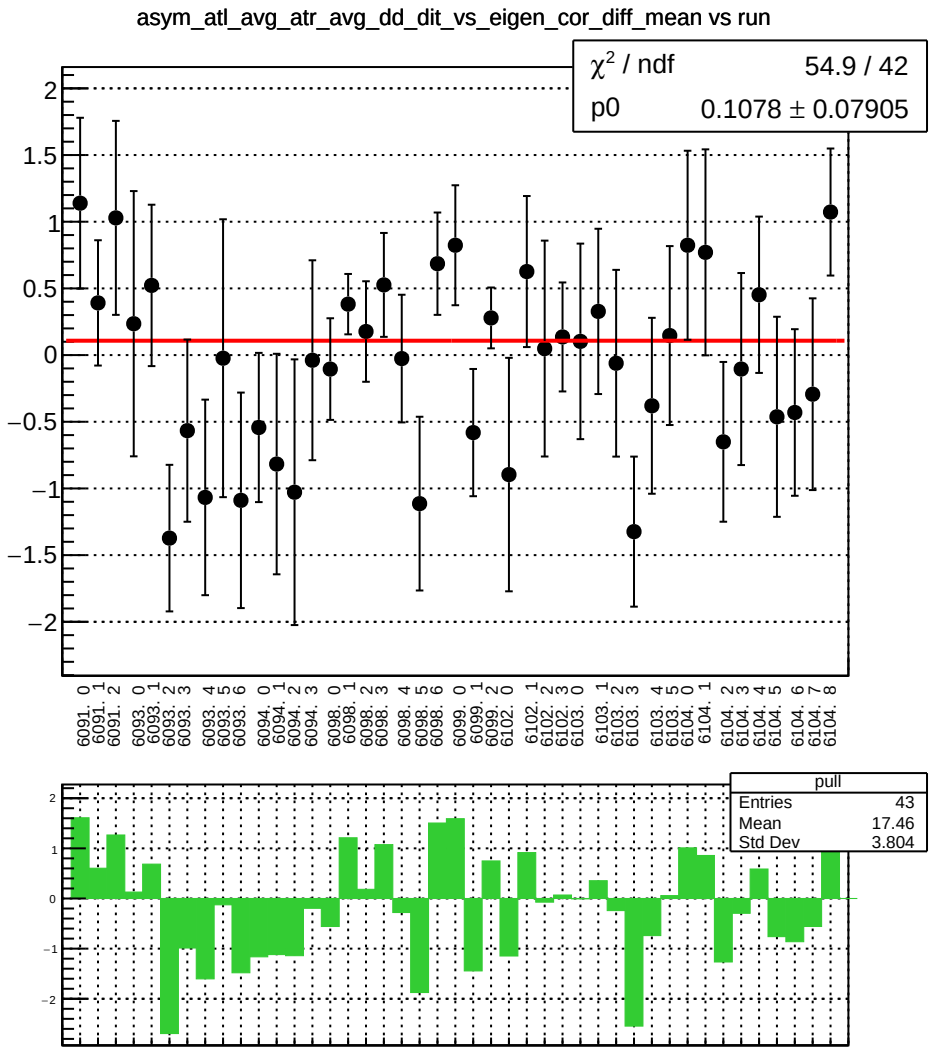

asym_atl_avg_atr_avg_dd_reg_vs_cor_diff_mean vs run
χ² / ndf 47.11 / 42
p0 −5.999e−14 ± 6.747e−14
0.01
0.005
0
−0.005
−0.01
−0.015
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 6.972
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 43
Mean 0.116
Std Dev 1.04
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

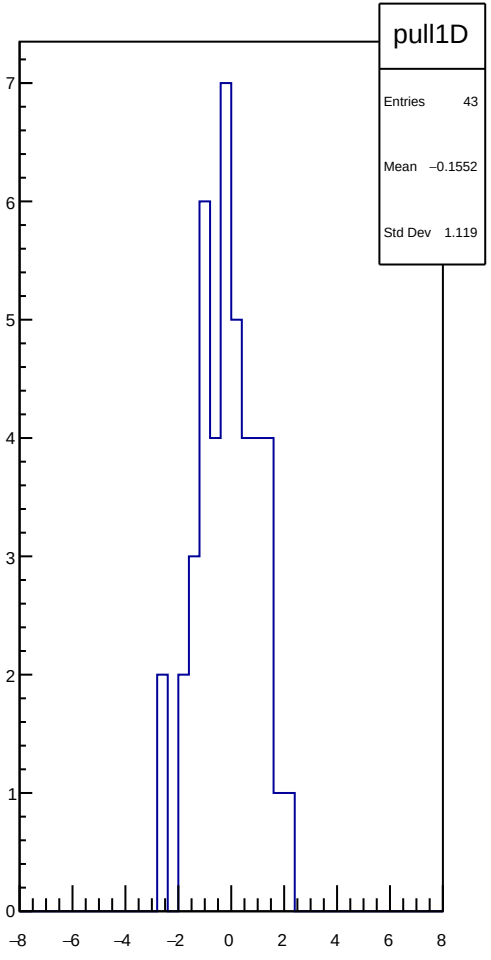

asym_atl_avg_atr_avg_dd_reg_vs_cor_diff_rms vs run
χ² / ndf 6.07e+05 / 42
p0 2.241e−11 ± 4.771e−14
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

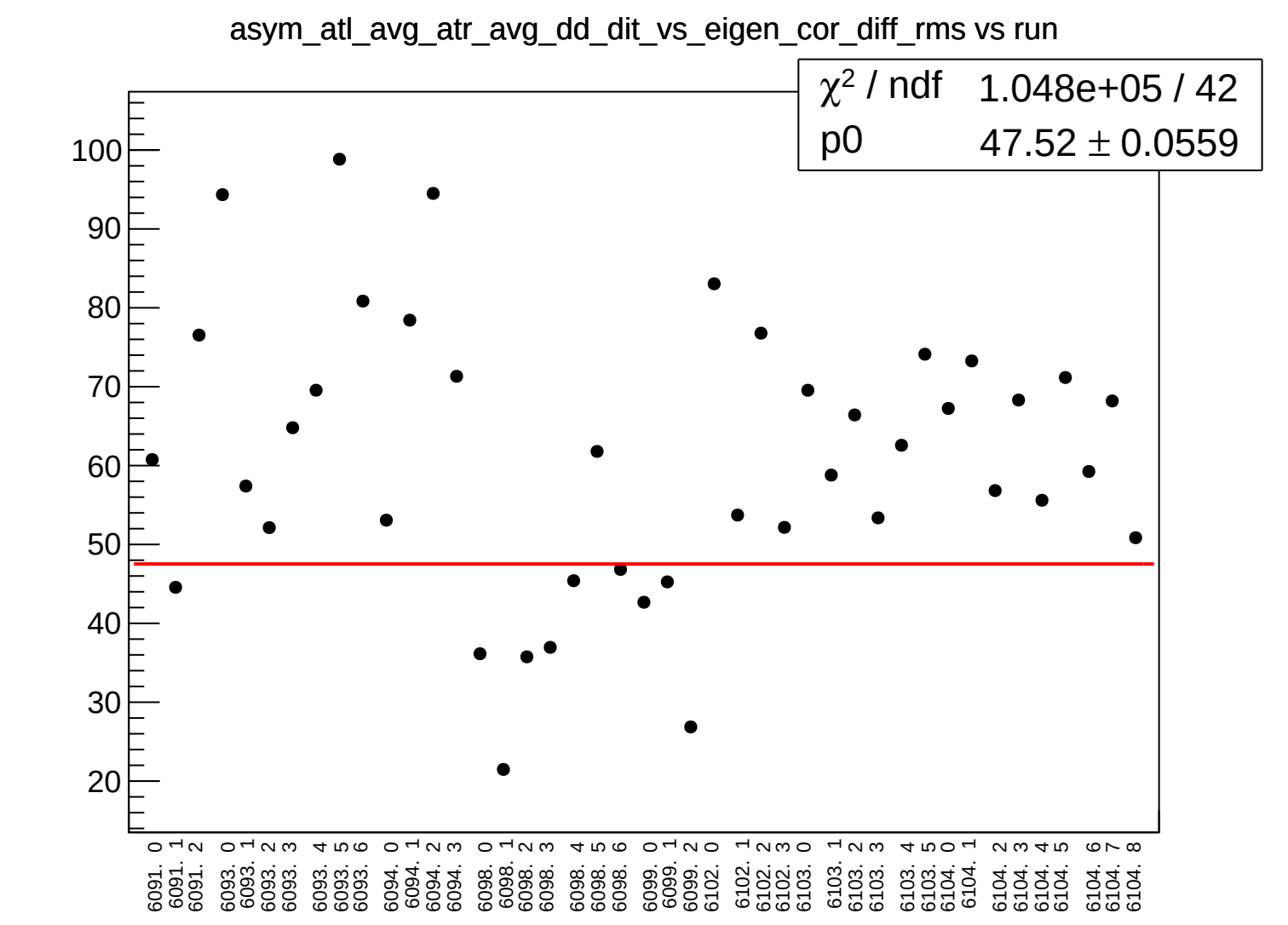

asym_atl_avg_atr_avg_dd_dit_vs_cor_diff_mean vs run
χ² / ndf 54.9 / 42
p0 0.1078 ± 0.07905
pull
Entries 43
Mean 17.46
Std Dev 3.804

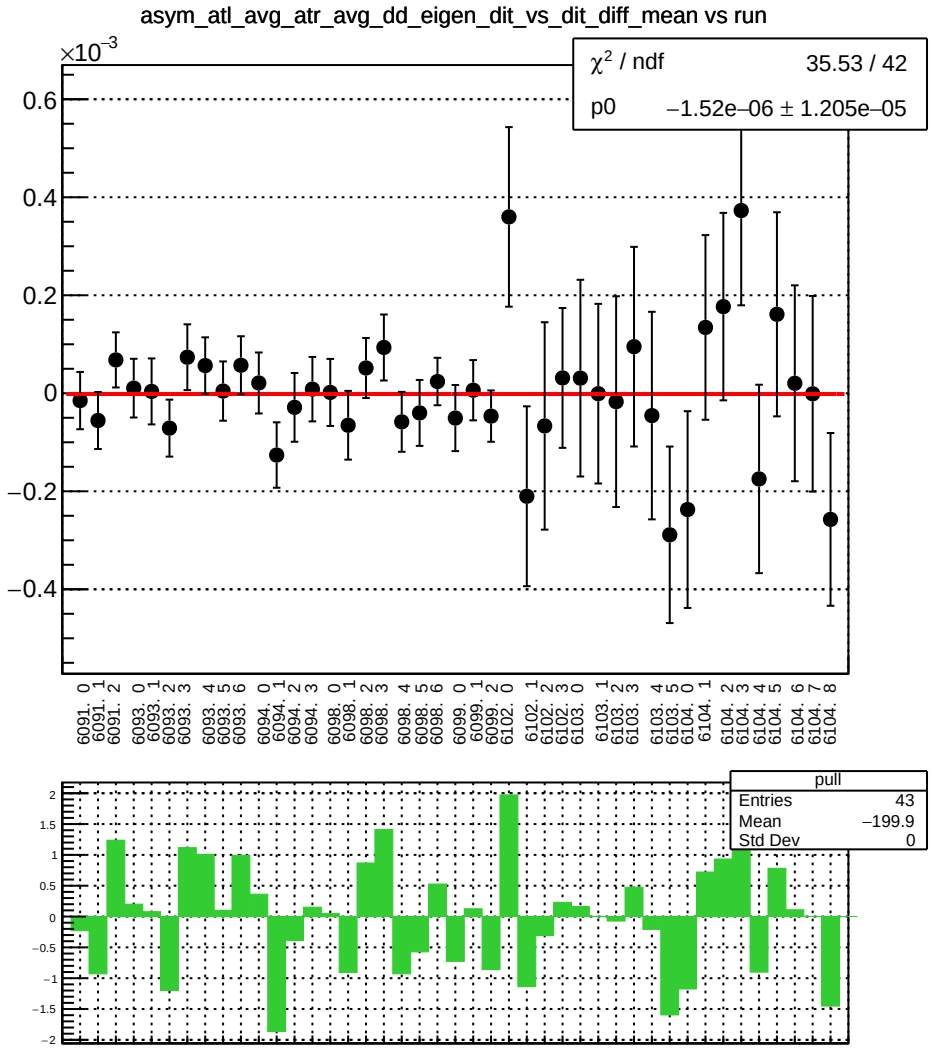

pull1D
Entries 43
Mean −0.1552
Std Dev 1.119

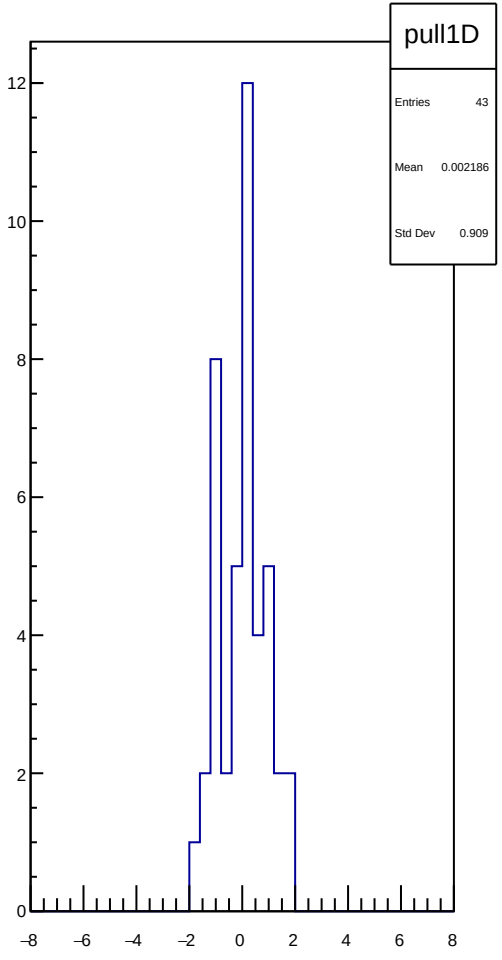

asym_atl_avg_atr_avg_dd_dit_vs_cor_diff_rms vs run
χ² / ndf 1.048e+05 / 42
p0 47.52 ± 0.0559
100
90
80
70
60
50
40
30
20
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

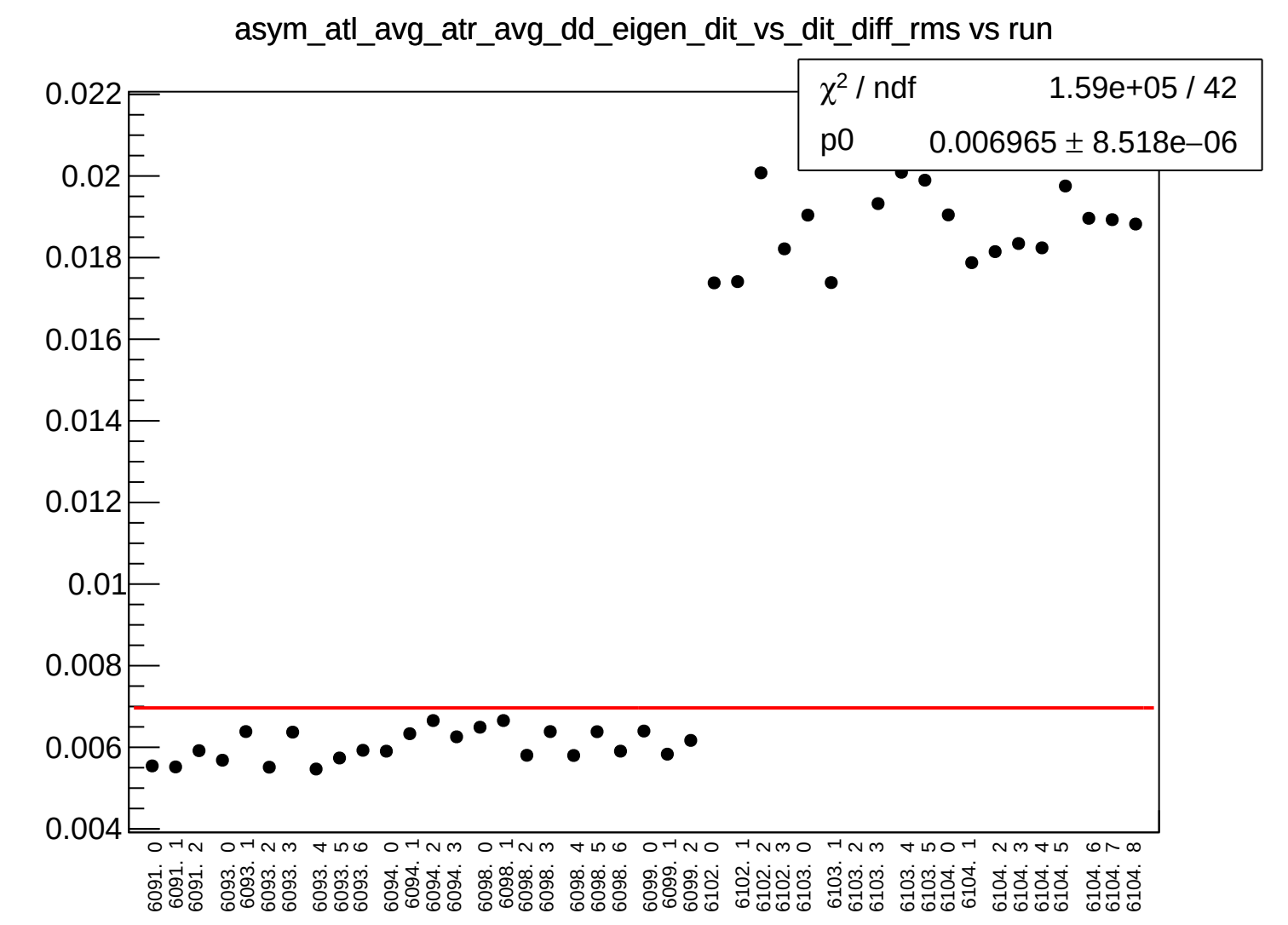

asym_atl_avg_atr_avg_dd_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 54.9 / 42
p0 0.1078 ± 0.07905
pull
Entries 43
Mean 17.46
Std Dev 3.804

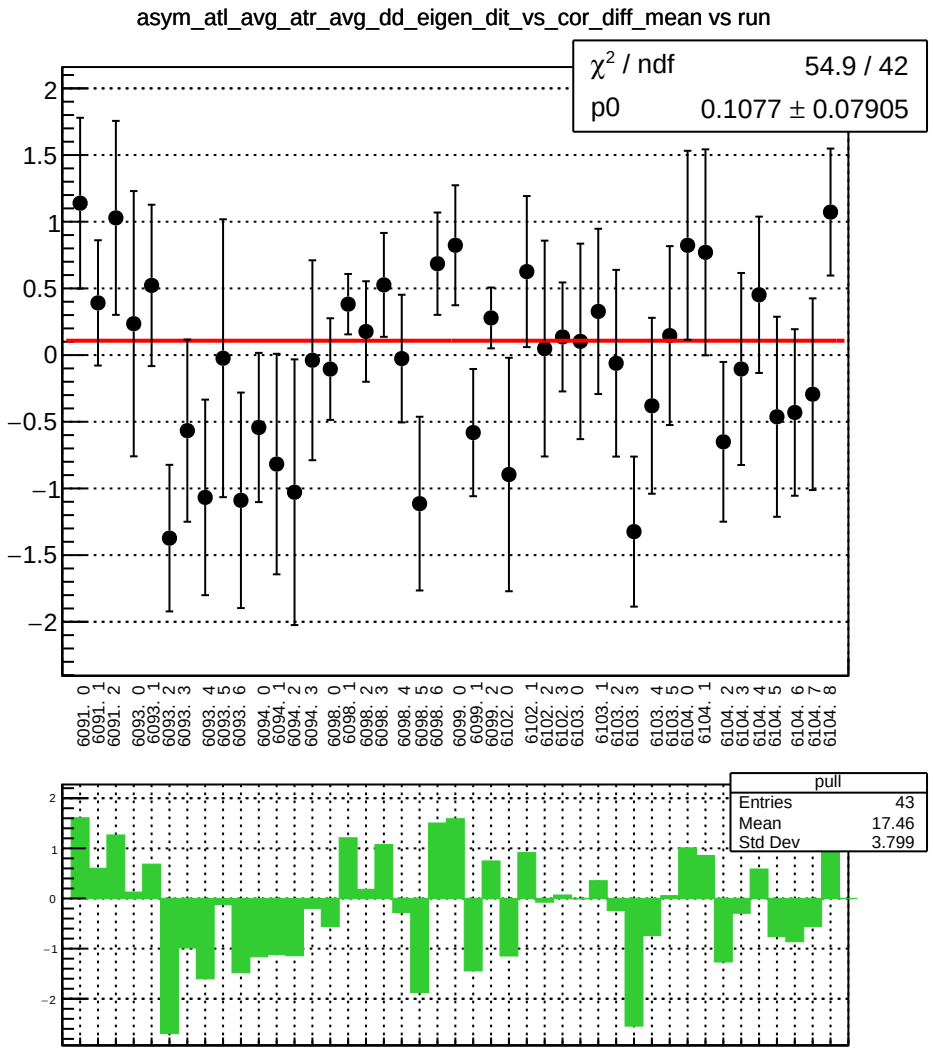

pull1D
Entries 43
Mean −0.1552
Std Dev 1.119

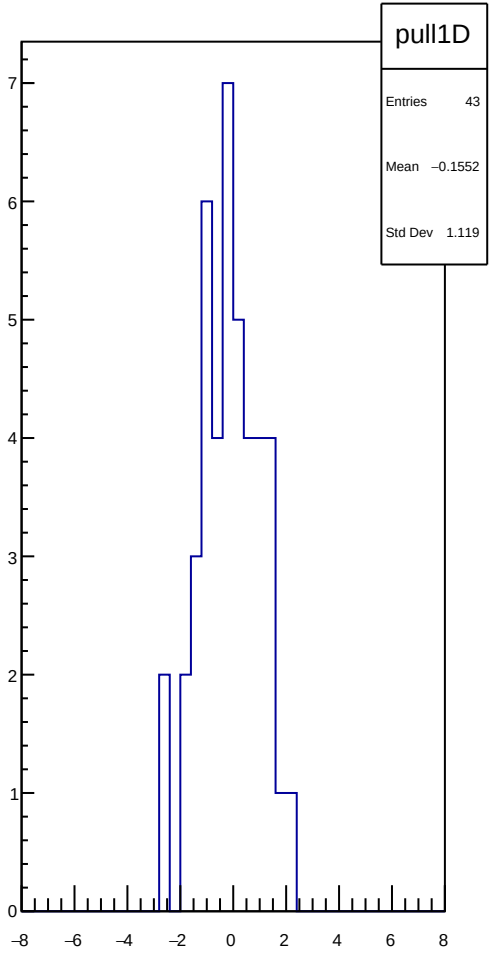

asym_atl_avg_atr_avg_dd_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.048e+05 / 42
p0 47.52 ± 0.0559
100
90
80
70
60
50
40
30
20
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

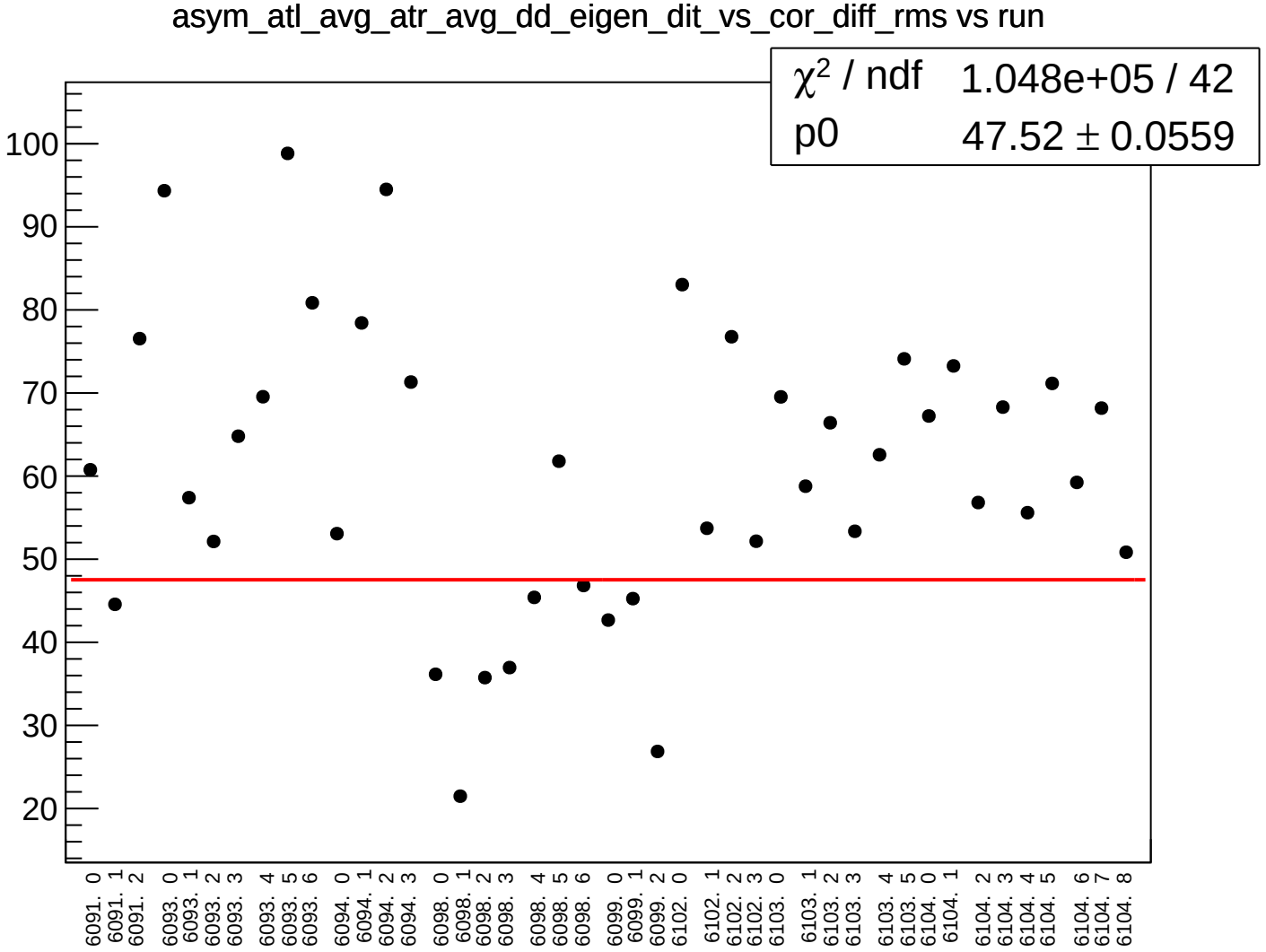

asym_atl_avg_atr_avg_dd_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 35.53 / 42
p0 −1.52e−06 ± 1.205e−05
0.6
0.4
0.2
0
−0.2
−0.4
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean −199.9
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

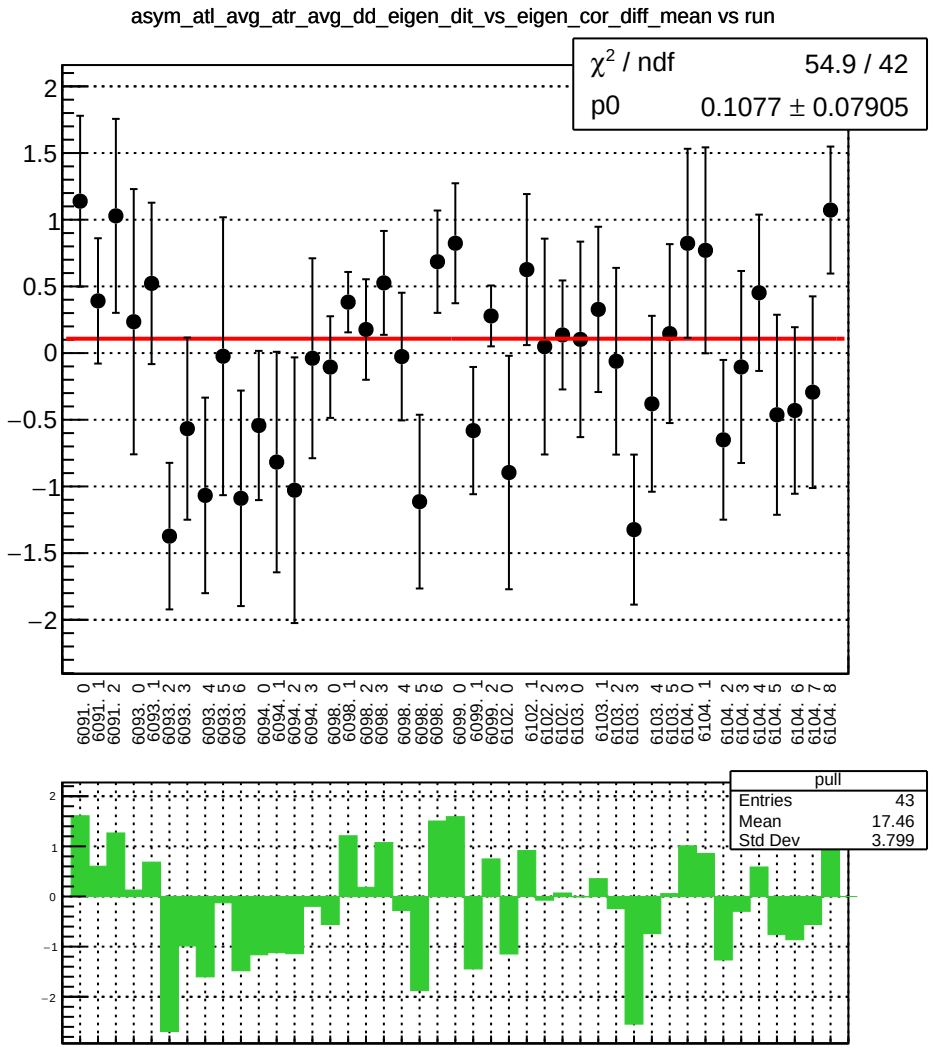

pull1D
Entries 43
Mean 0.002186
Std Dev 0.909
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

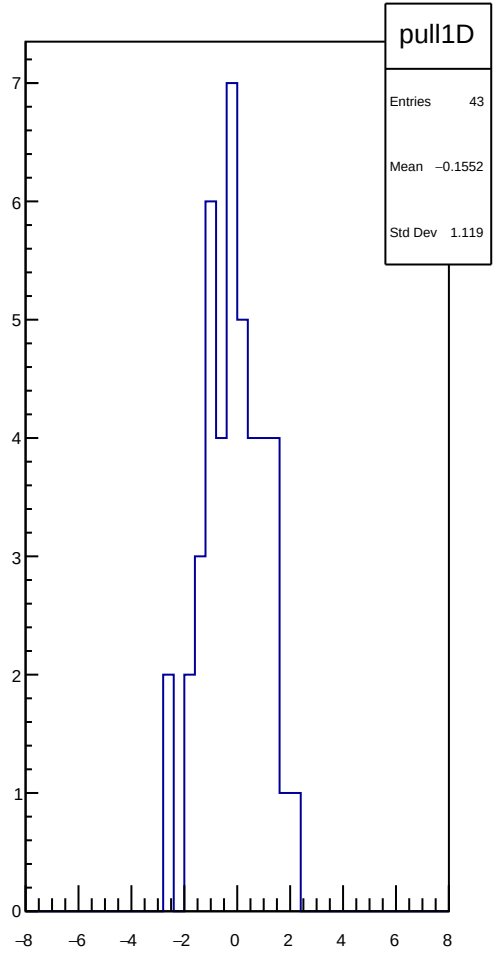

asym_atl_avg_atr_avg_dd_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 1.59e+05 / 42
p0 0.006965 ± 8.518e−06
0.022
0.02
0.018
0.016
0.014
0.012
0.01
0.008
0.006
0.004
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

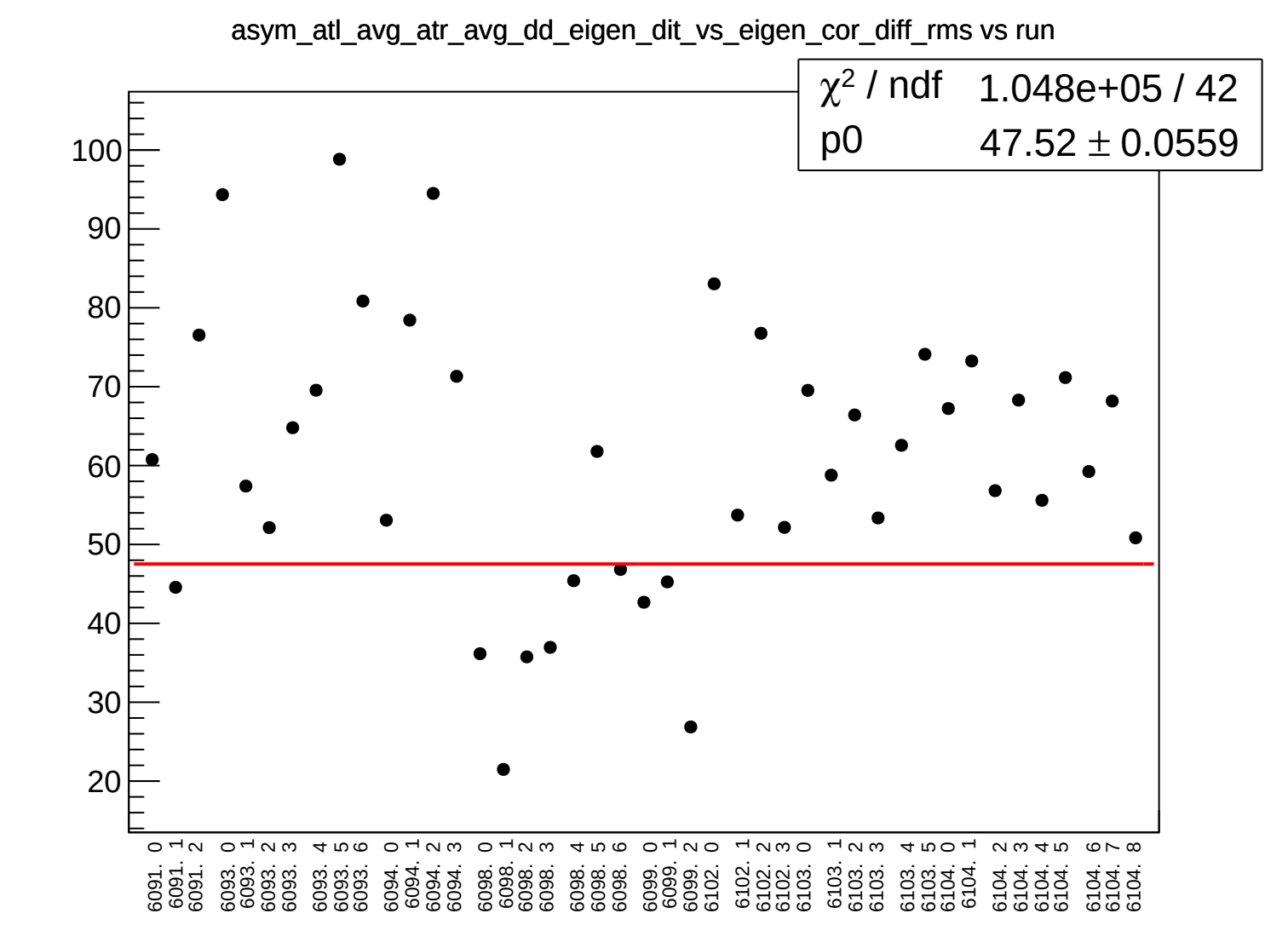

asym_atl_avg_atr_avg_dd_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 54.9 / 42
p0 0.1077 ± 0.07905
pull
Entries 43
Mean 17.46
Std Dev 3.799

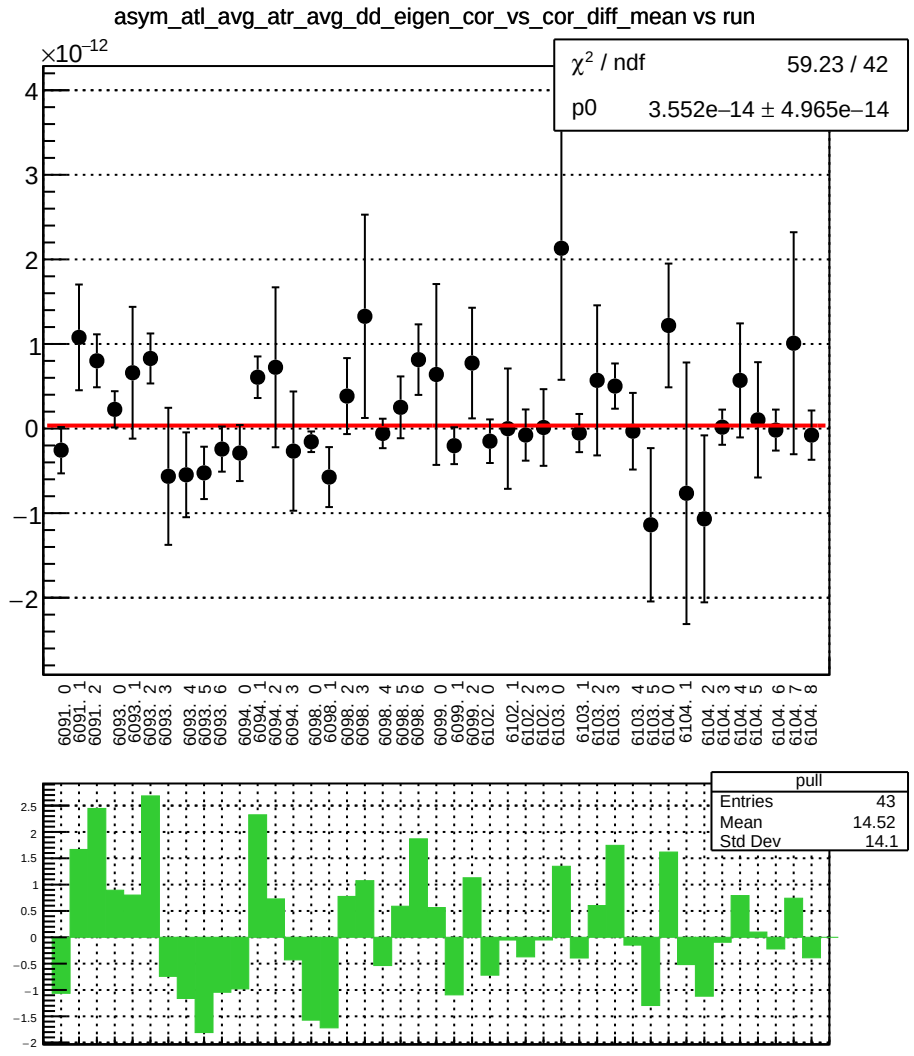

pull1D
Entries 43
Mean −0.1552
Std Dev 1.119

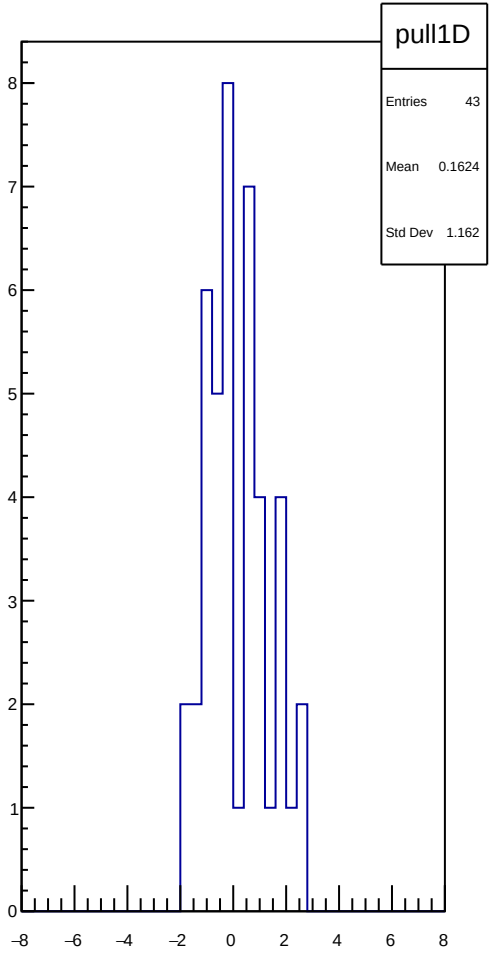

asym_atl_avg_atr_avg_dd_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 1.048e+05 / 42
p0 47.52 ± 0.0559
100
90
80
70
60
50
40
30
20
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

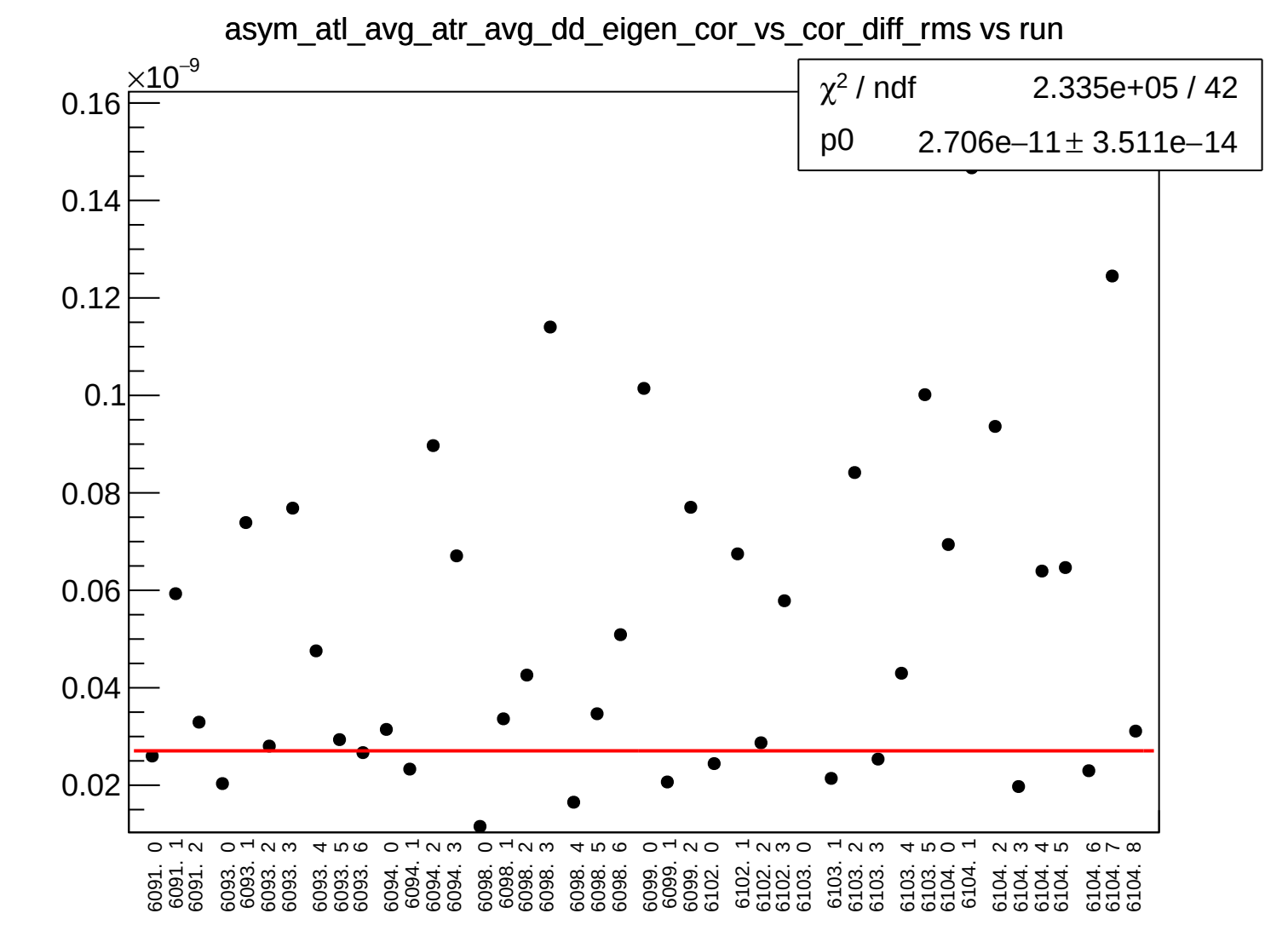

asym_atl_avg_atr_avg_dd_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 54.9 / 42
p0 0.1077 ± 0.07905
pull
Entries 43
Mean 17.46
Std Dev 3.799

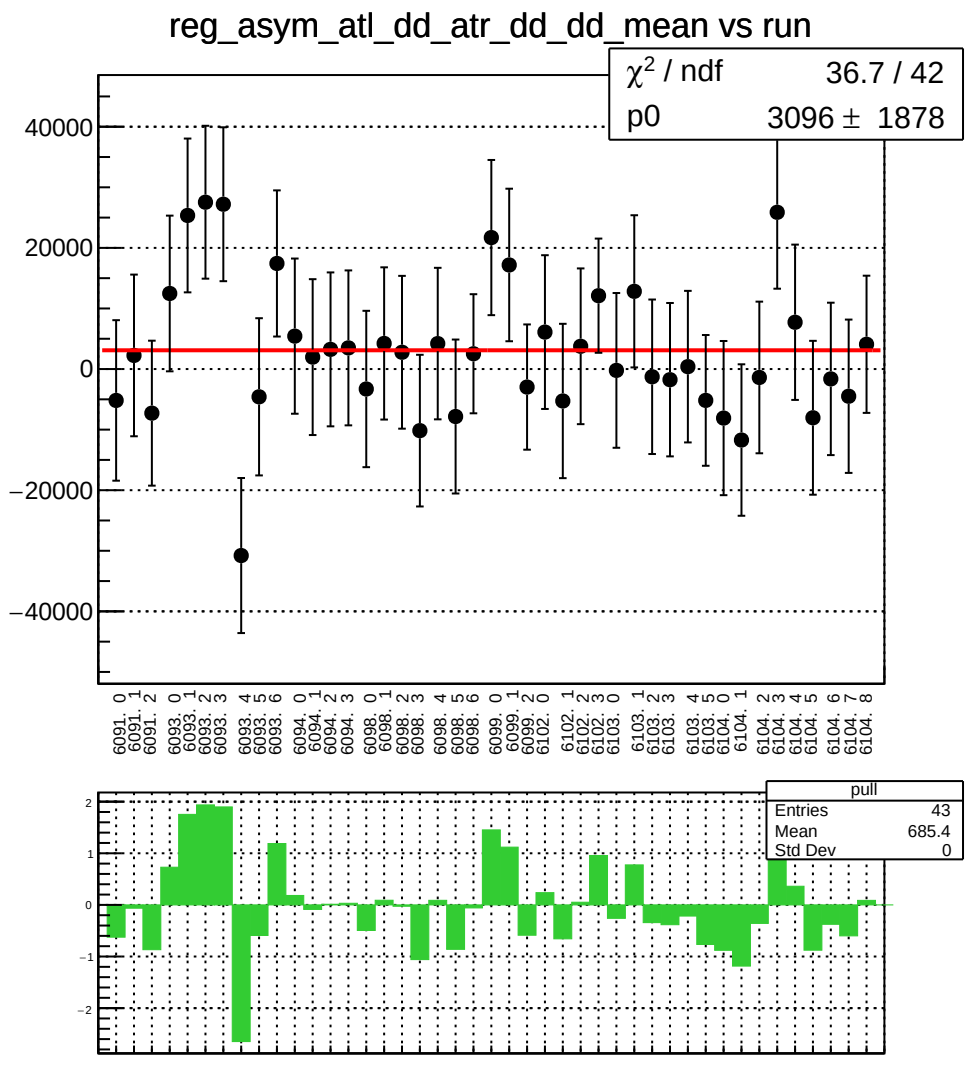

pull1D
Entries 43
Mean −0.1552
Std Dev 1.119

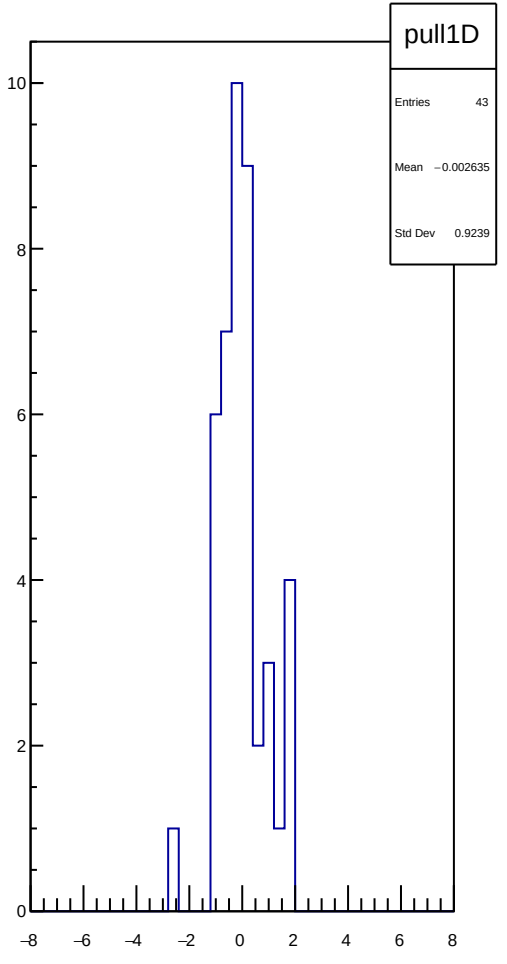

asym_atl_avg_atr_avg_dd_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.048e+05 / 42
p0 47.52 ± 0.0559
100
90
80
70
60
50
40
30
20
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

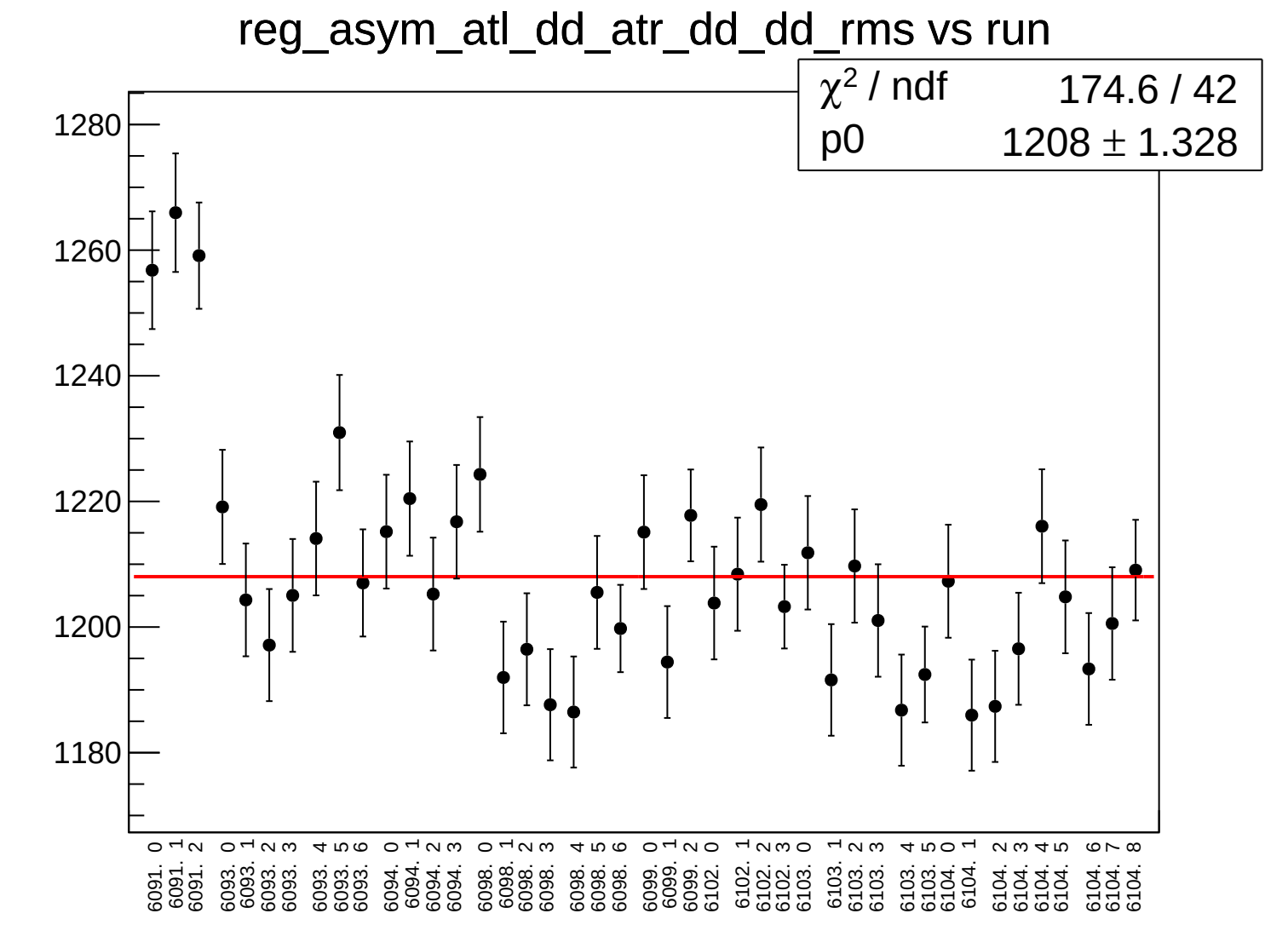

asym_atl_avg_atr_avg_dd_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 59.23 / 42
p0 3.552e−14 ± 4.965e−14
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 14.52
Std Dev 14.1

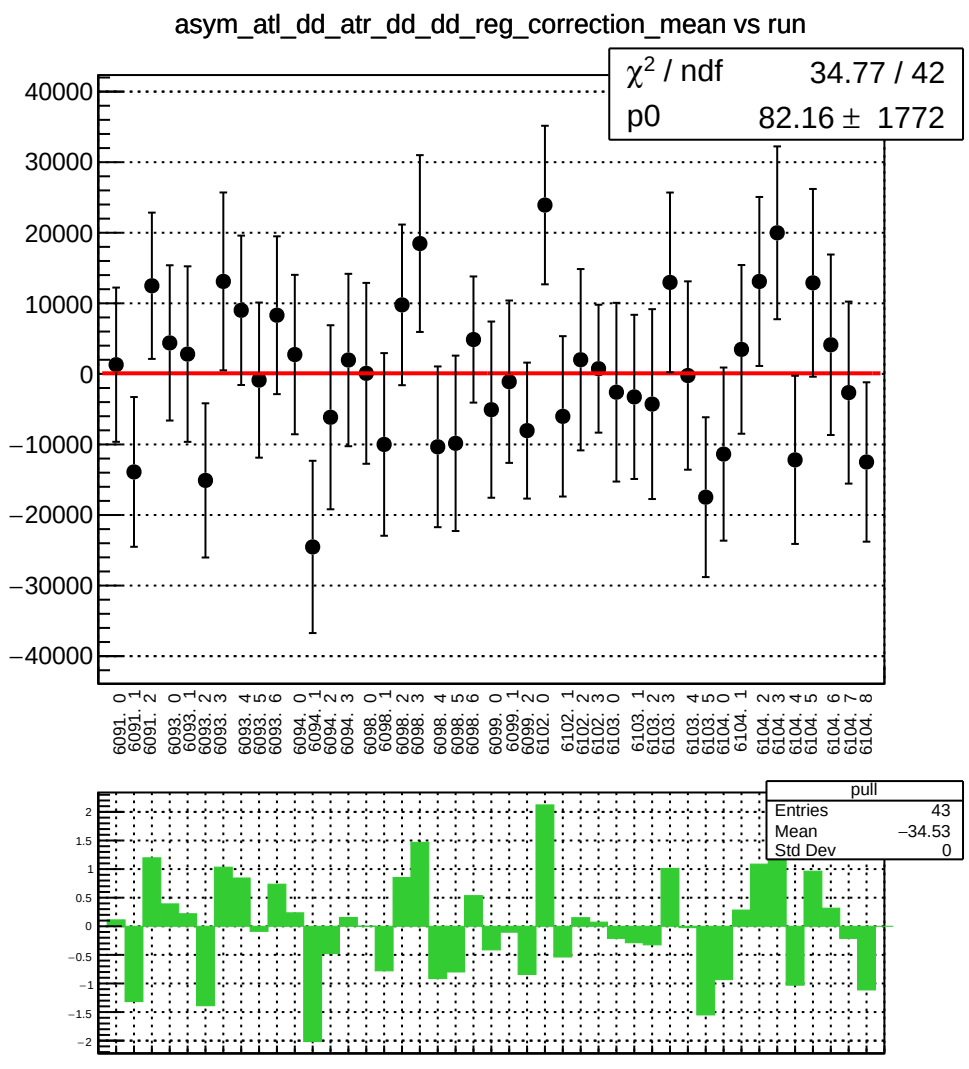

pull1D
Entries 43
Mean 0.1624
Std Dev 1.162

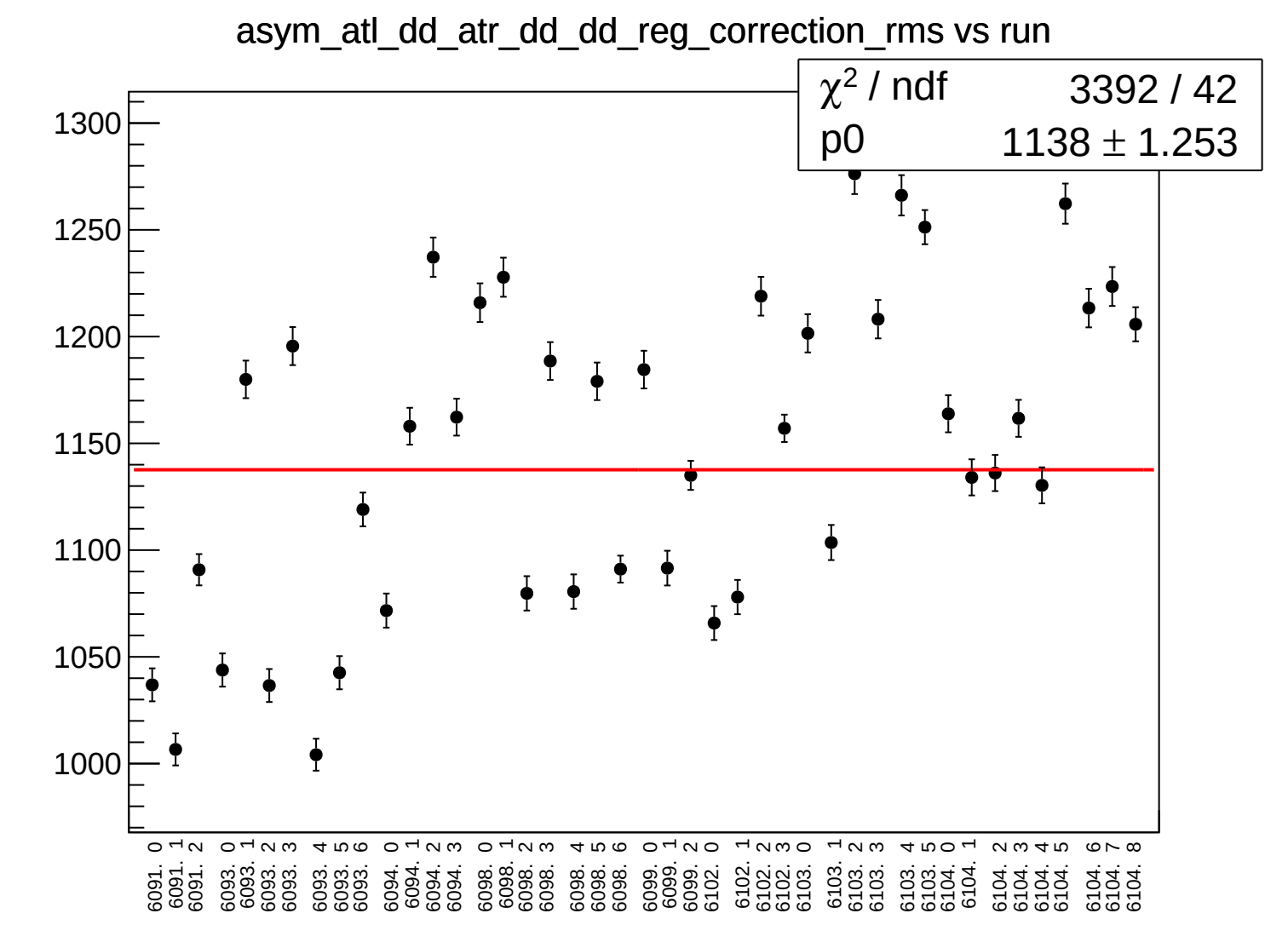

asym_atl_avg_atr_avg_dd_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 2.335e+05 / 42
p0 2.706e−11 ± 3.511e−14
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

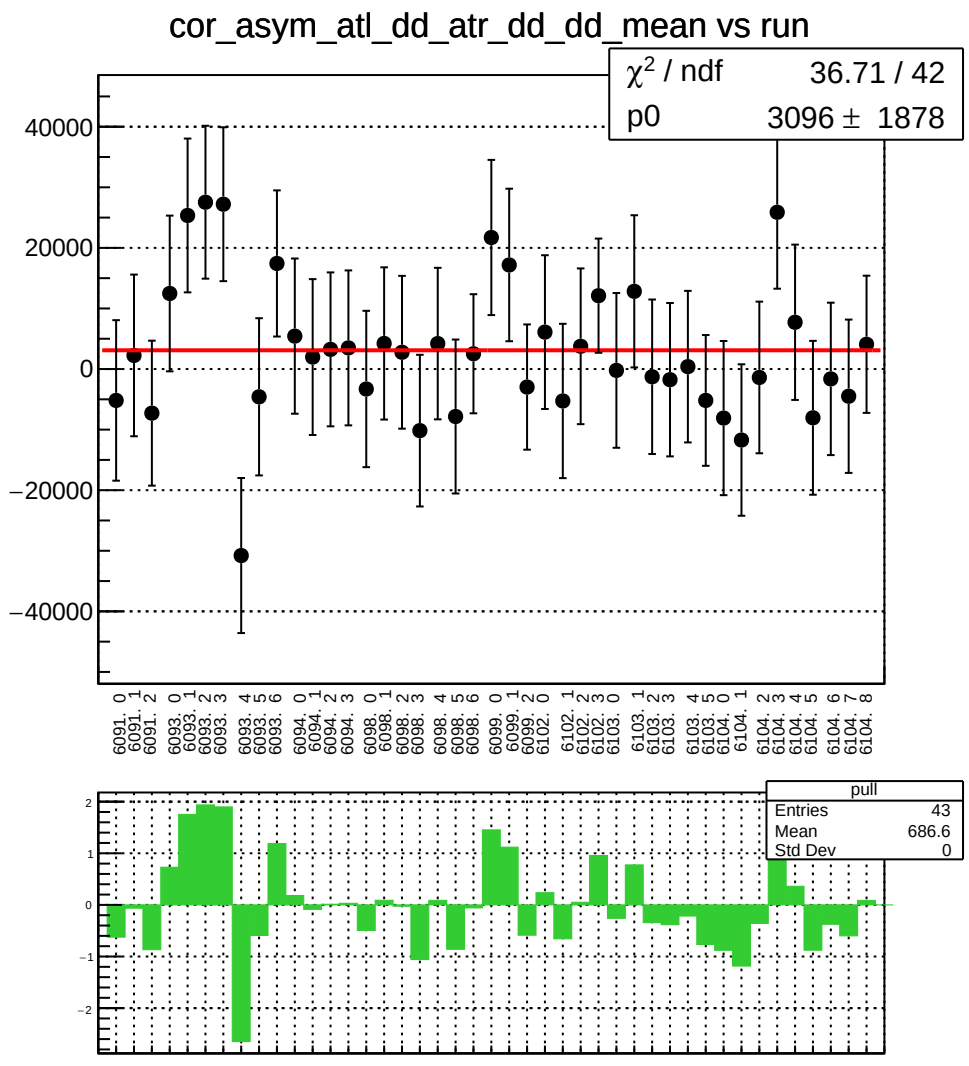

reg_asym_atl_dd_atr_dd_dd_mean vs run
χ² / ndf 36.7 / 42
p0 3096 ± 1878
40000
20000
0
−20000
−40000
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 685.4
Std Dev 0
2
1
0
−1
−2

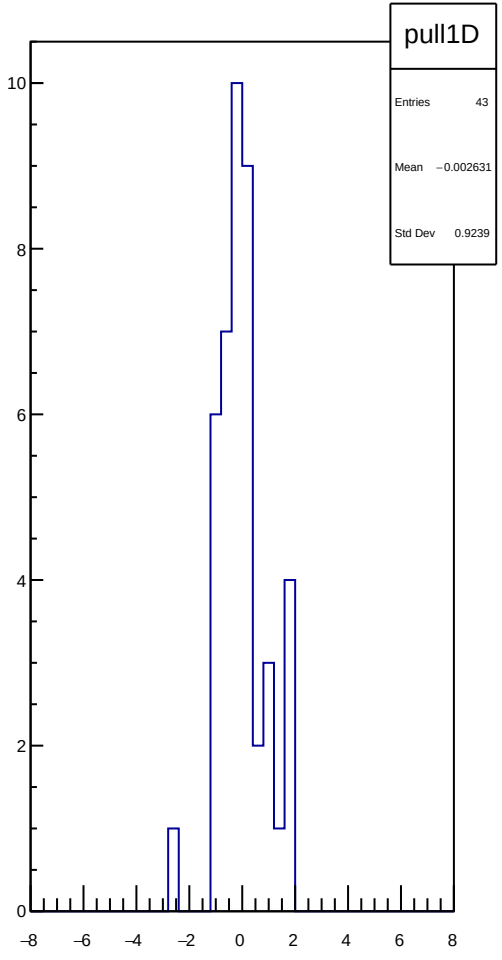

pull1D
Entries 43
Mean −0.002635
Std Dev 0.9239
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

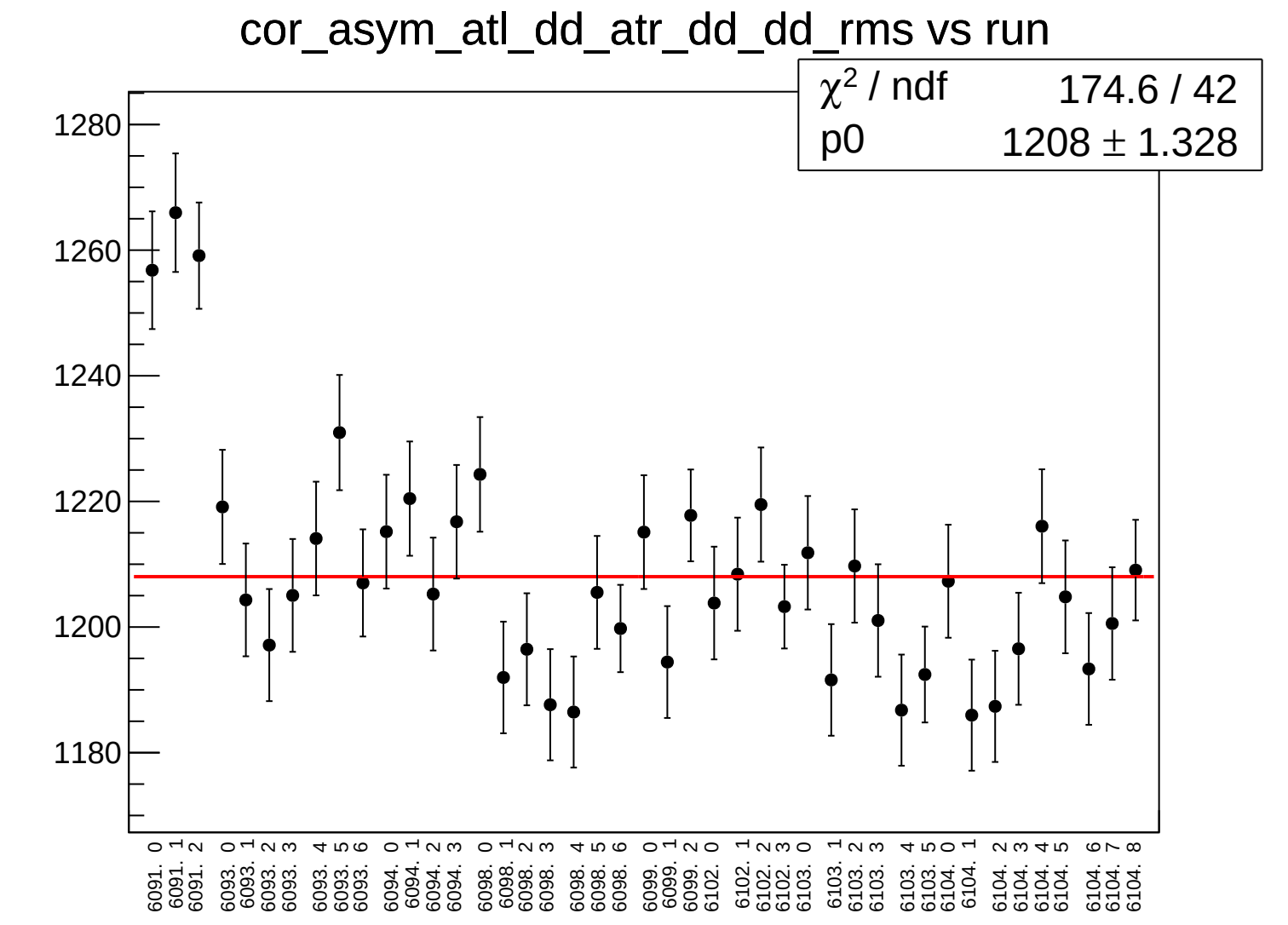

reg_asym_atl_dd_atr_dd_dd_rms vs run
χ² / ndf 174.6 / 42
p0 1208 ± 1.328
1280
1260
1240
1220
1200
1180
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

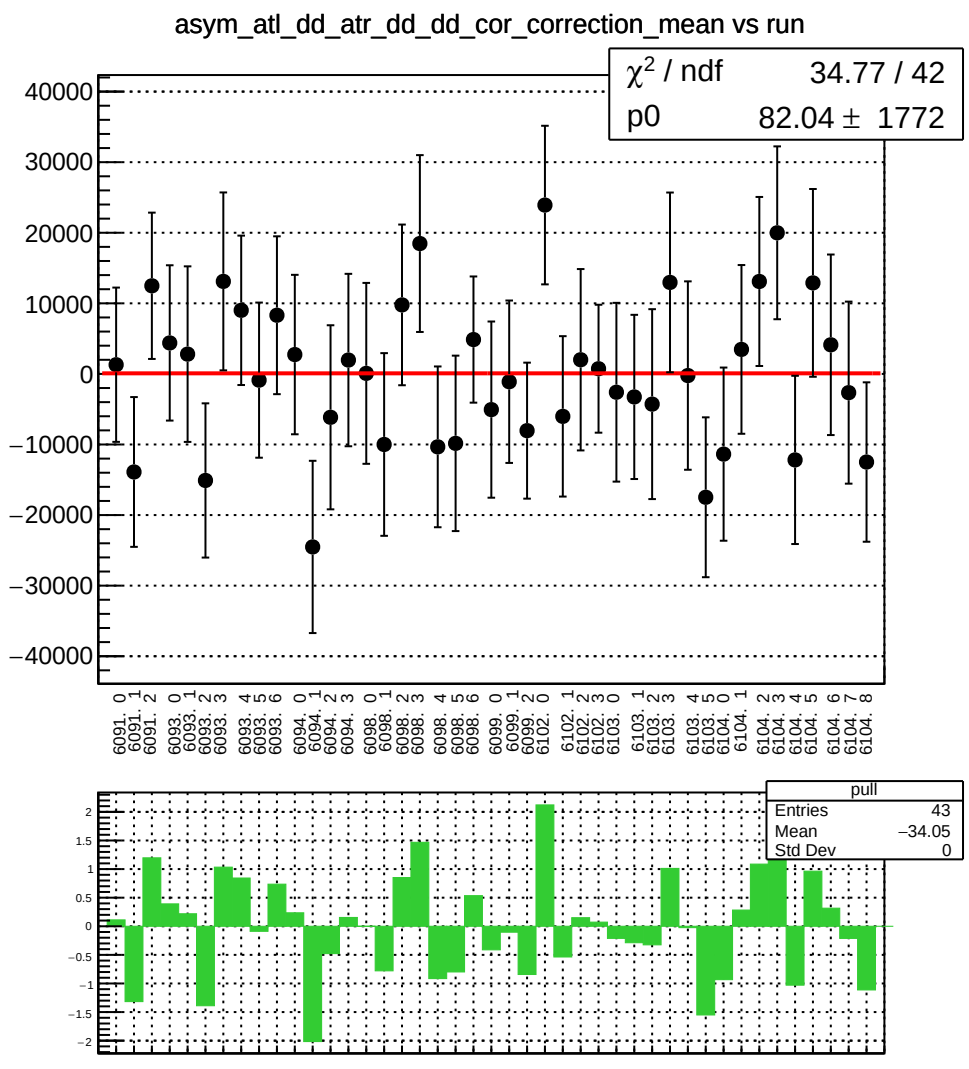

asym_atl_dd_atr_dd_dd_reg_correction_mean vs run
χ² / ndf 34.77 / 42
p0 82.16 ± 1772
40000
30000
20000
10000
0
−10000
−20000
−30000
−40000
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean −34.53
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 43
Mean 0.001139
Std Dev 0.8993
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

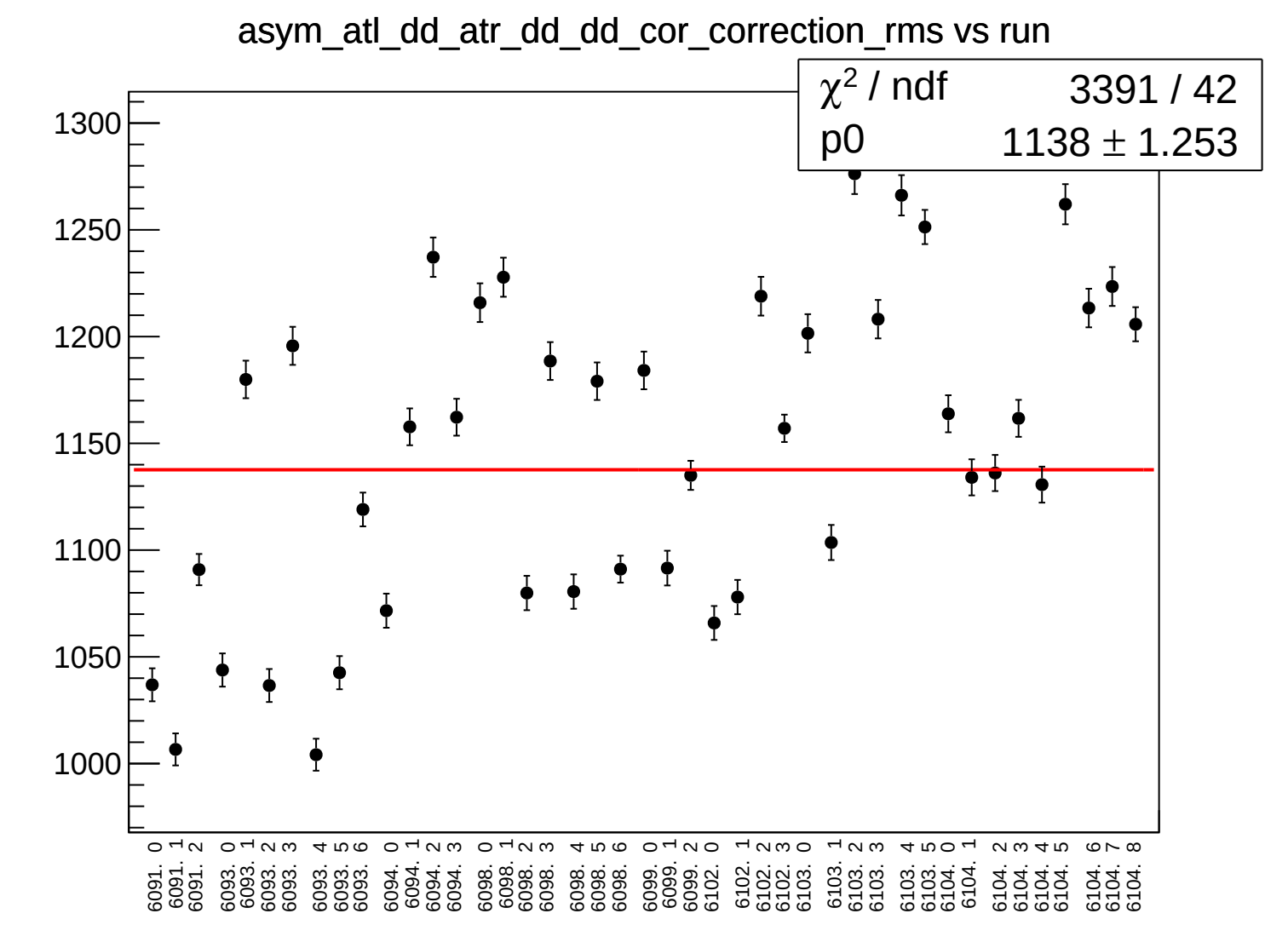

asym_atl_dd_atr_dd_dd_reg_correction_rms vs run
χ² / ndf 3392 / 42
p0 1138 ± 1.253
1300
1250
1200
1150
1100
1050
1000
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

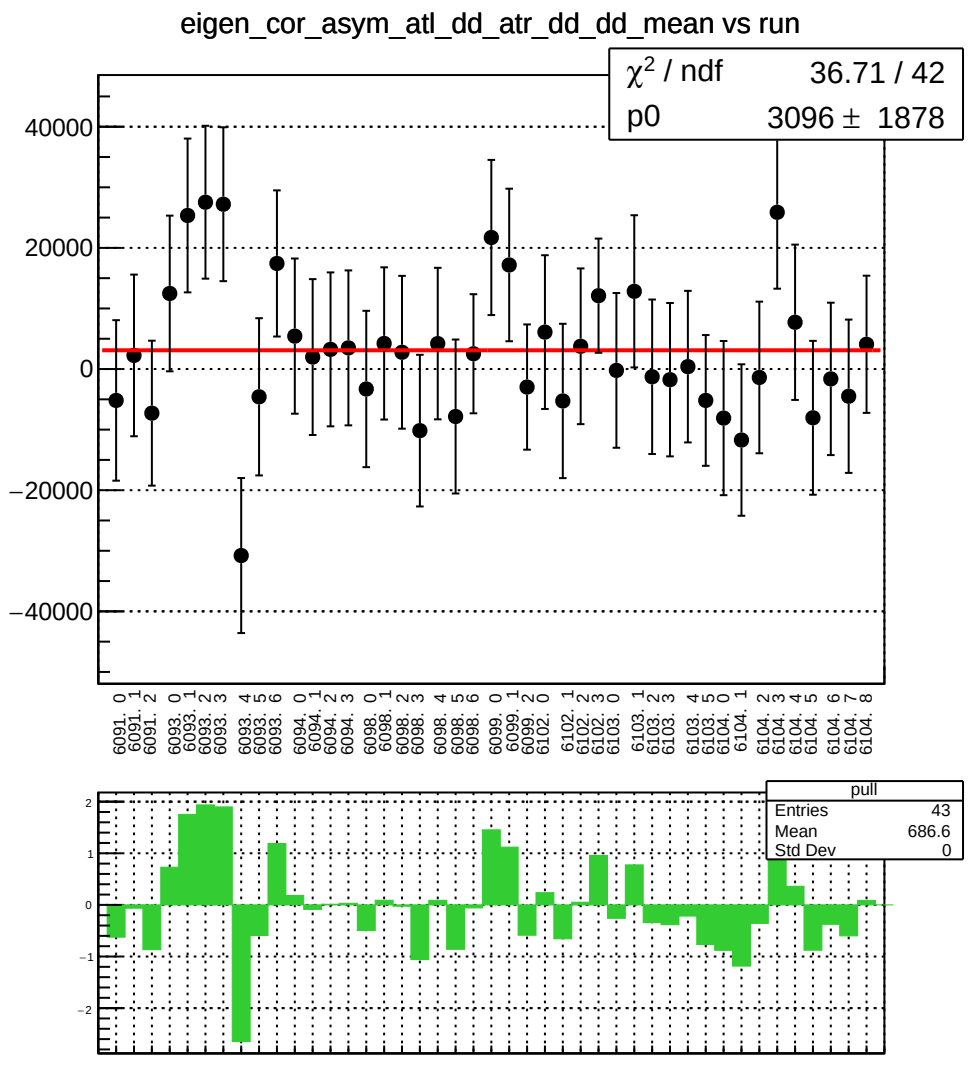

cor_asym_atl_dd_atr_dd_dd_mean vs run
χ² / ndf 36.71 / 42
p0 3096 ± 1878
40000
20000
0
−20000
−40000
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 686.6
Std Dev 0
2
1
0
−1
−2

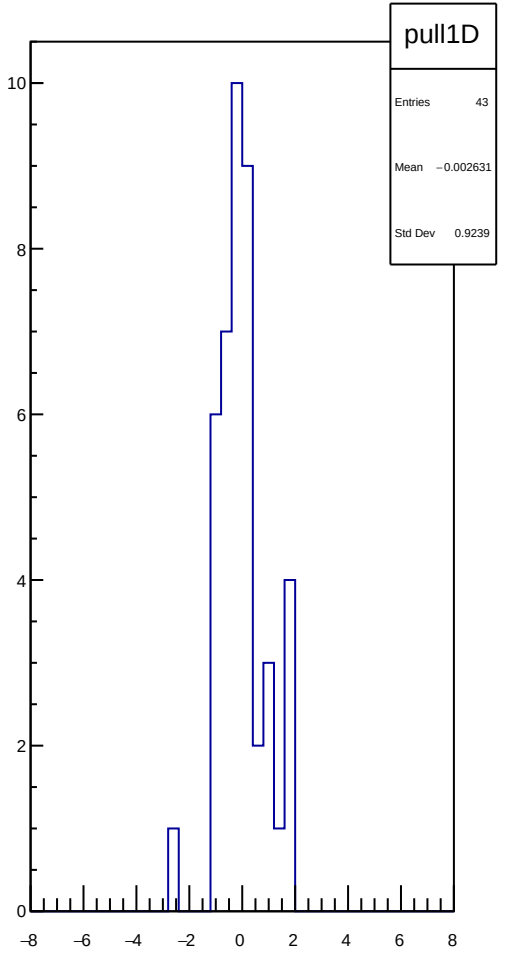

pull1D
Entries 43
Mean −0.002631
Std Dev 0.9239
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

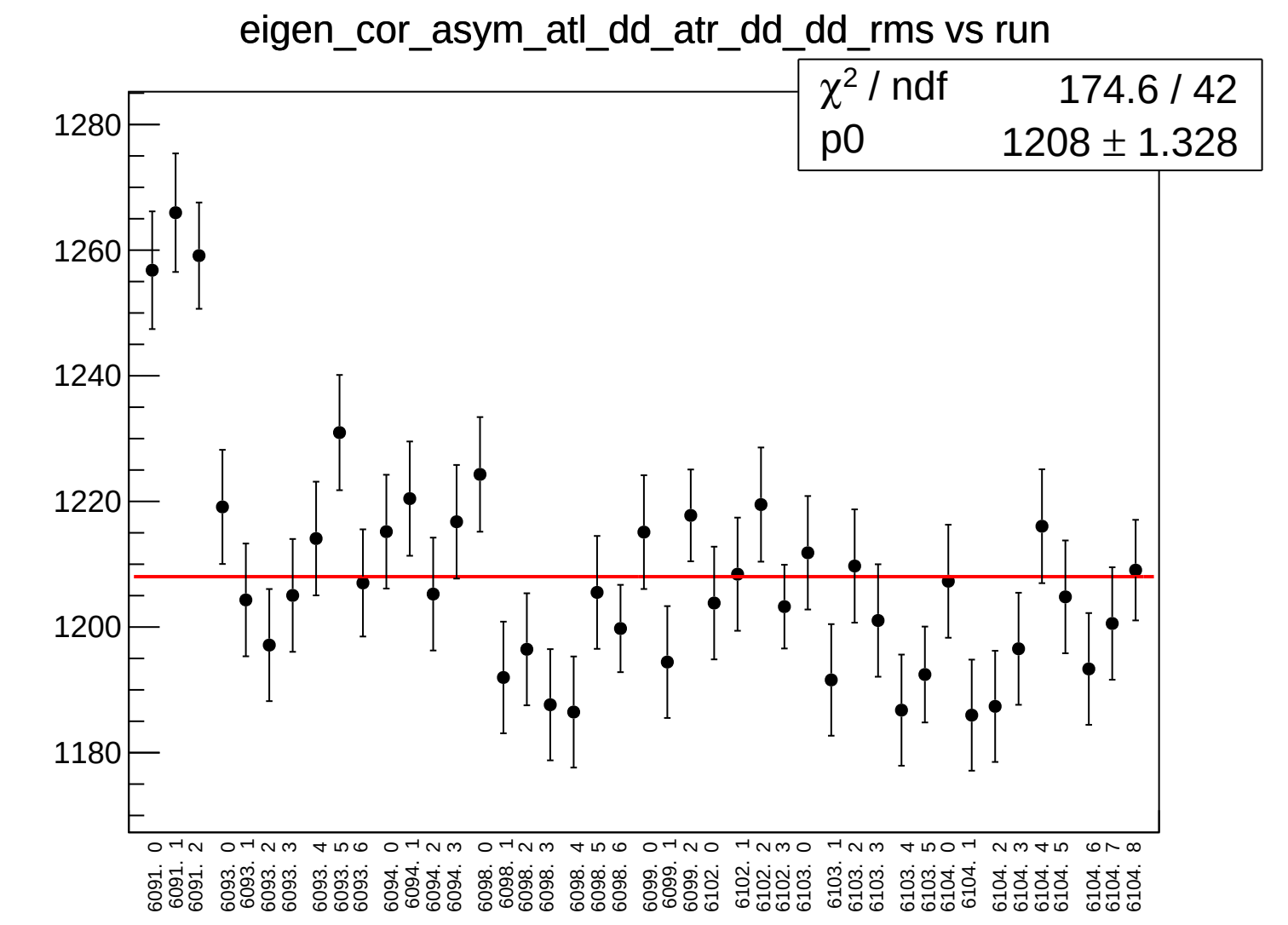

cor_asym_atl_dd_atr_dd_dd_rms vs run
χ² / ndf 174.6 / 42
p0 1208 ± 1.328
1280
1260
1240
1220
1200
1180
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8


asym_atl_dd_atr_dd_dd_cor_correction_mean vs run
χ² / ndf 34.77 / 42
p0 82.04 ± 1772
40000
30000
20000
10000
0
−10000
−20000
−30000
−40000
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean −34.05
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 43
Mean 0.00115
Std Dev 0.8993
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


asym_atl_dd_atr_dd_dd_cor_correction_rms vs run
χ² / ndf 3391 / 42
p0 1138 ± 1.253
1300
1250
1200
1150
1100
1050
1000
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8


eigen_cor_asym_atl_dd_atr_dd_dd_mean vs run
χ² / ndf 36.71 / 42
p0 3096 ± 1878
40000
20000
0
−20000
−40000
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 686.6
Std Dev 0
2
1
0
−1
−2


pull1D
Entries 43
Mean −0.002631
Std Dev 0.9239
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


eigen_cor_asym_atl_dd_atr_dd_dd_rms vs run
χ² / ndf 174.6 / 42
p0 1208 ± 1.328
1280
1260
1240
1220
1200
1180
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
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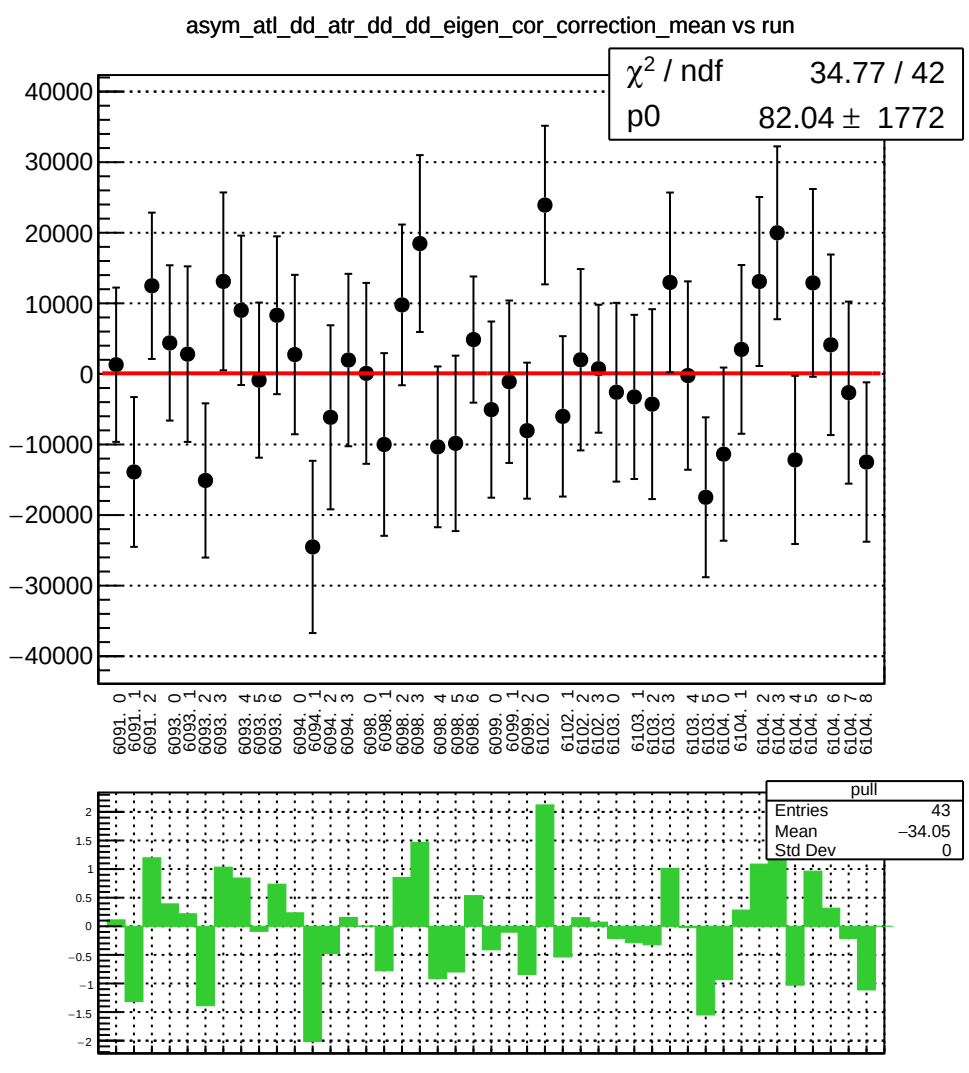
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8


asym_atl_dd_atr_dd_dd_eigen_cor_correction_mean vs run
χ² / ndf 34.77 / 42
p0 82.04 ± 1772
40000
30000
20000
10000
0
−10000
−20000
−30000
−40000
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
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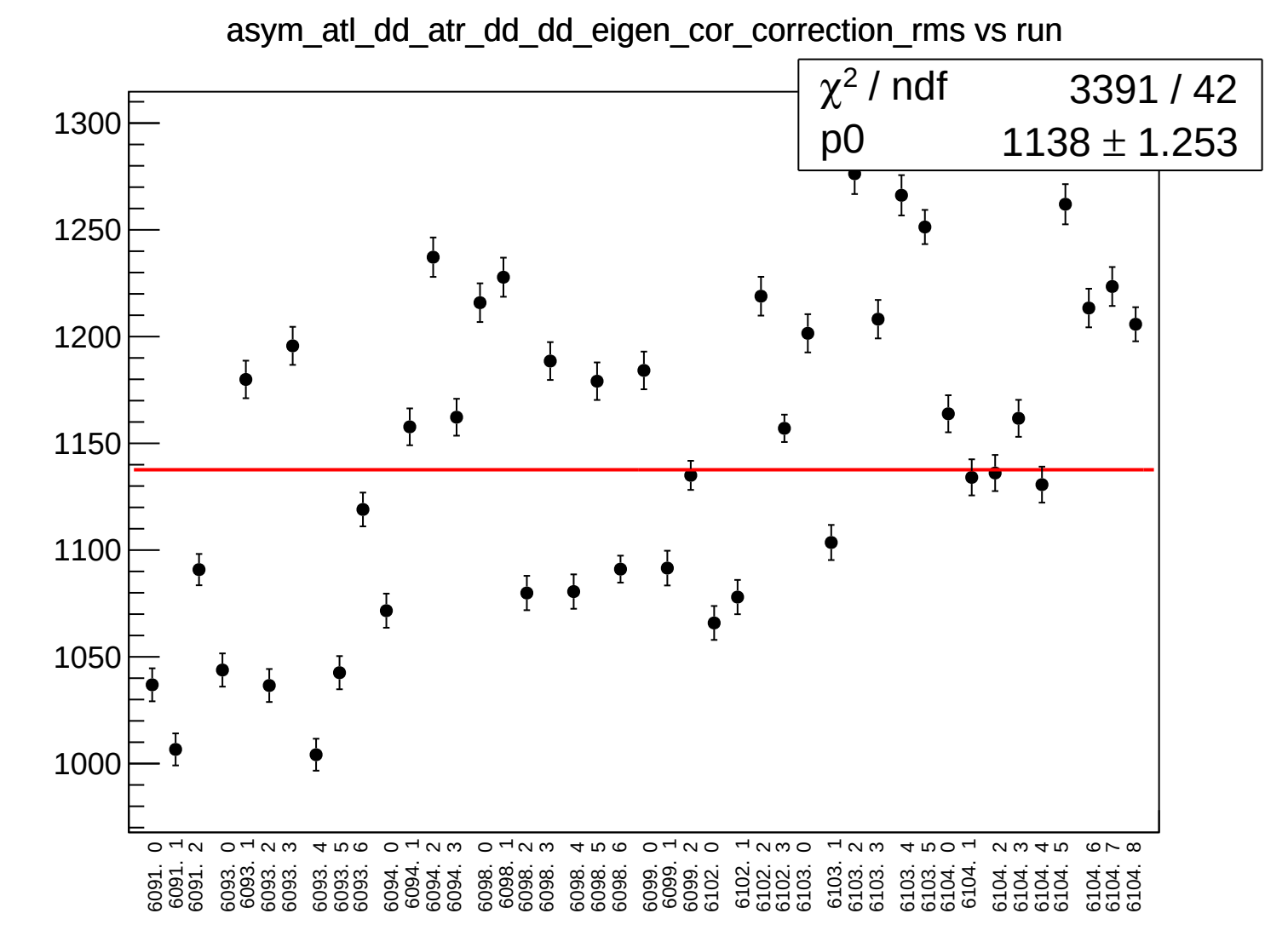
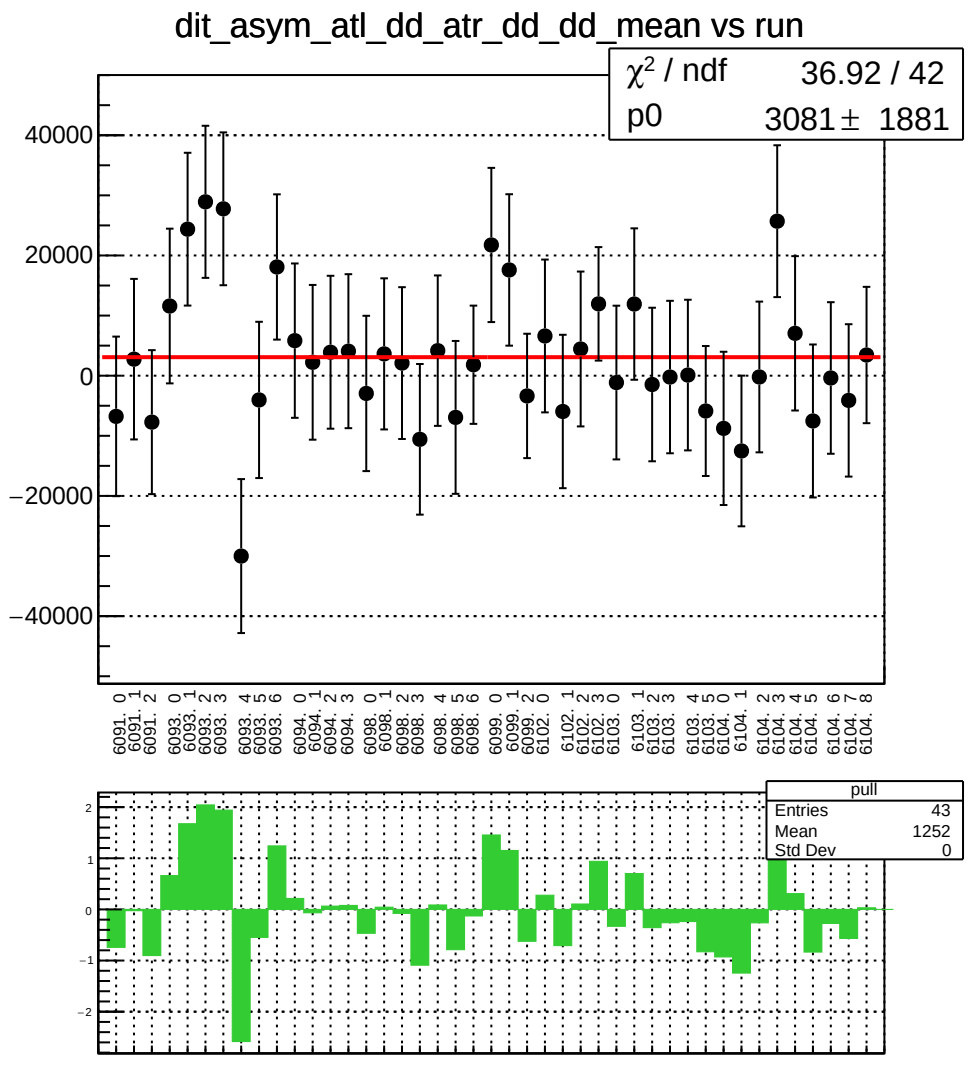
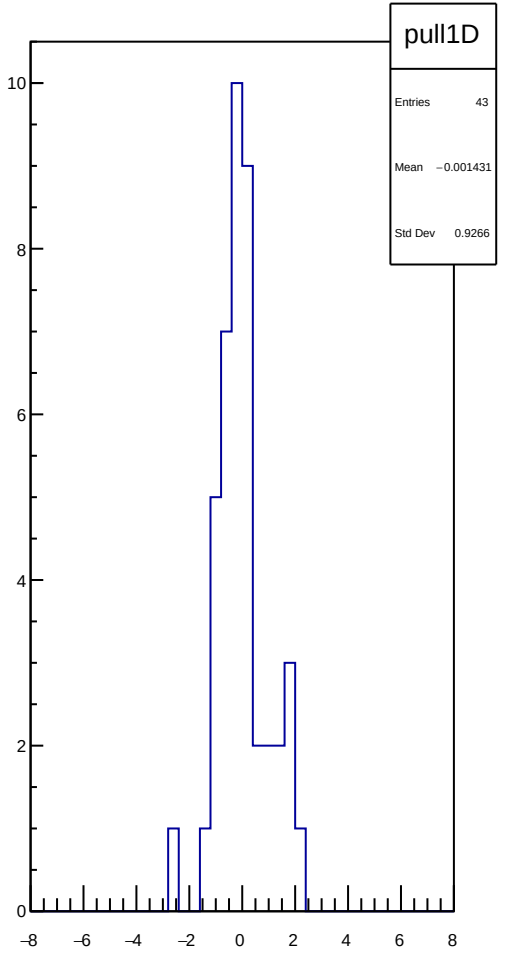
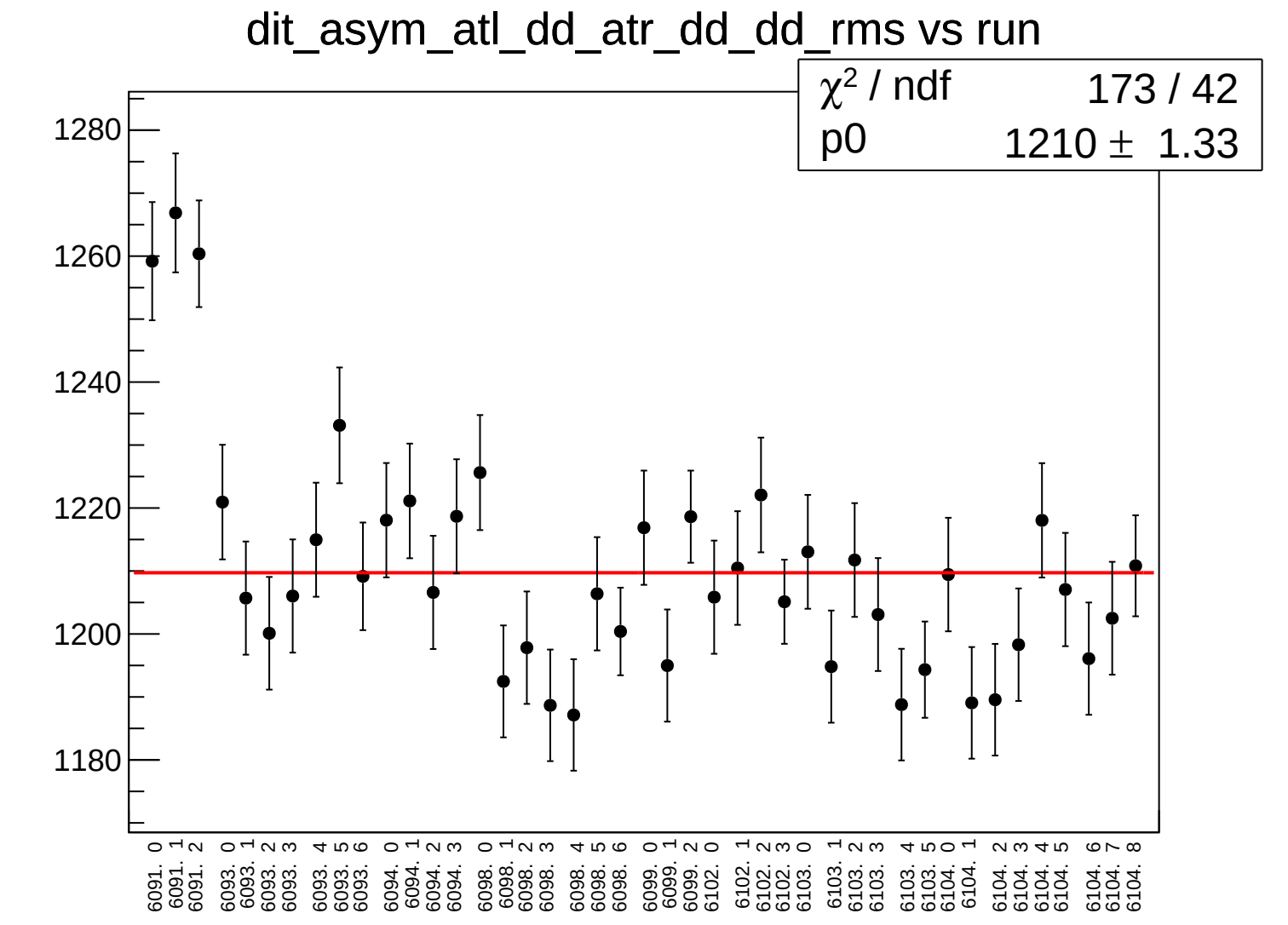
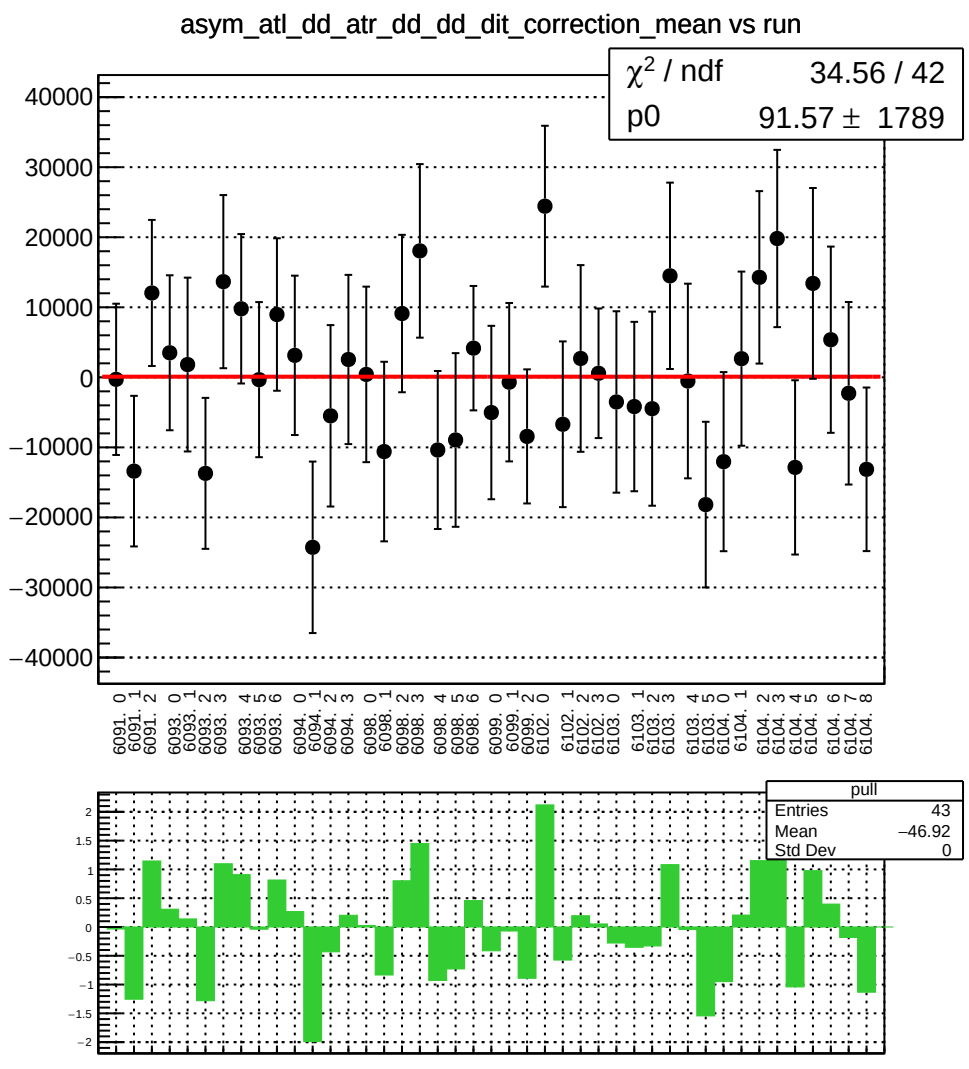
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean −34.05
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 43
Mean 0.00115
Std Dev 0.8993
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

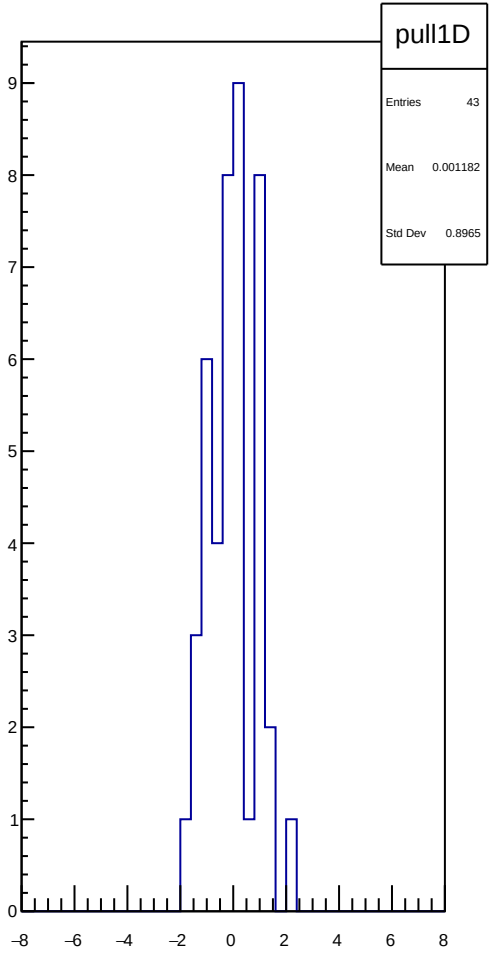

asym_atl_dd_atr_dd_dd_eigen_cor_correction_rms vs run
χ² / ndf 3391 / 42
p0 1138 ± 1.253
1300
1250
1200
1150
1100
1050
1000
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

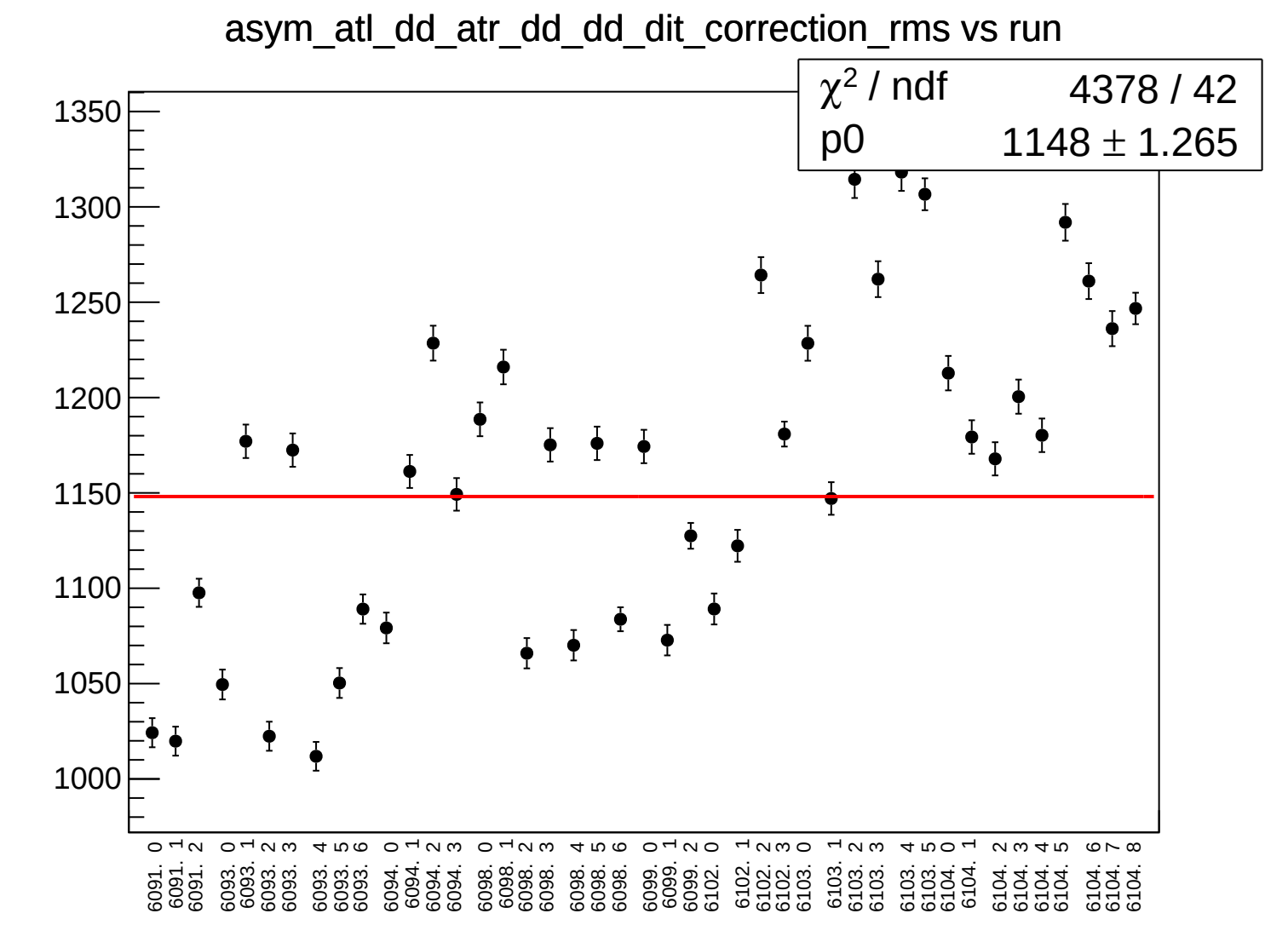

dit_asym_atl_dd_atr_dd_dd_mean vs run
χ² / ndf 36.92 / 42
p0 3081 ± 1881
40000
20000
0
−20000
−40000
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 1252
Std Dev 0
2
1
0
−1
−2

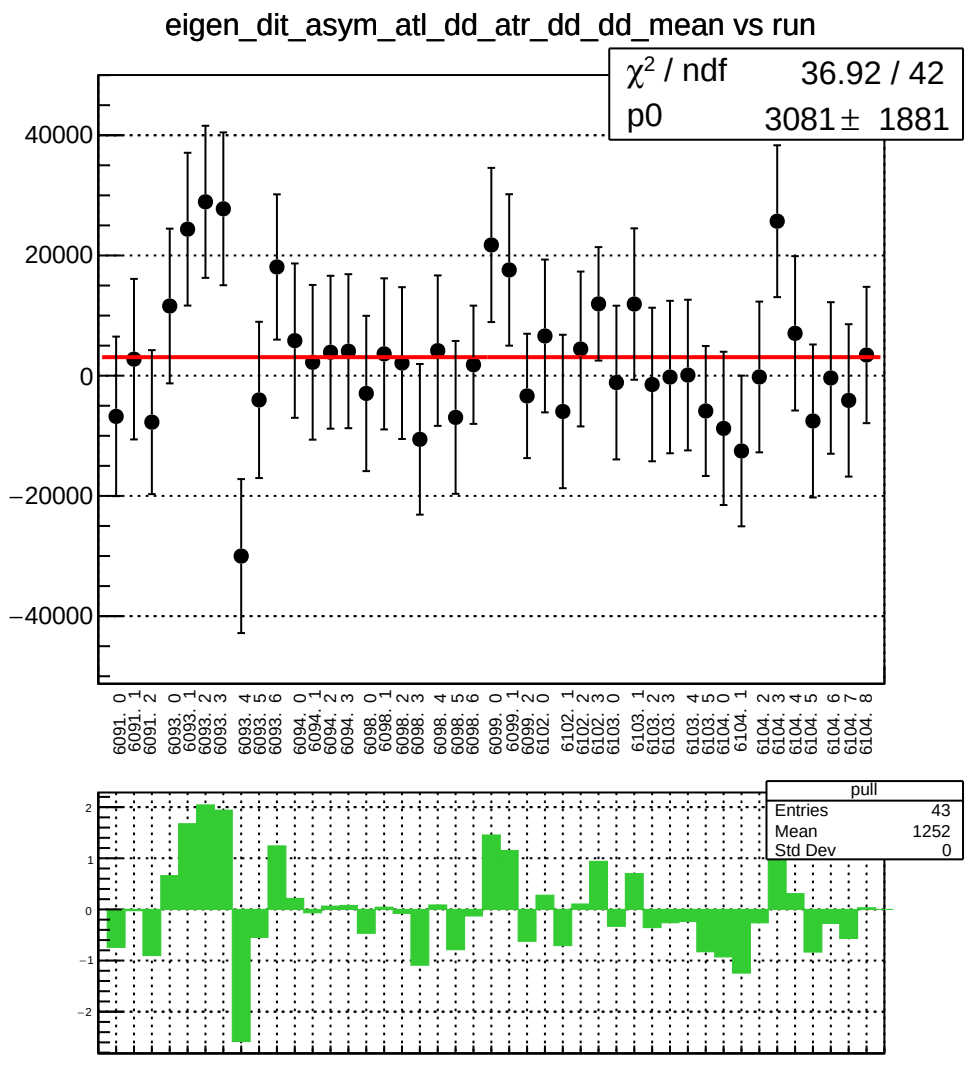

pull1D
Entries 43
Mean −0.001431
Std Dev 0.9266
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

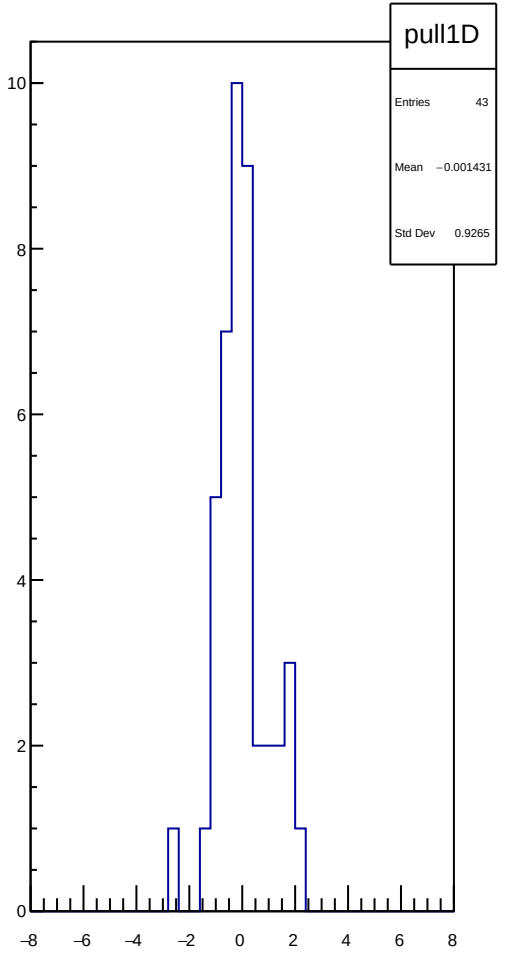

dit_asym_atl_dd_atr_dd_dd_rms vs run
χ² / ndf 173 / 42
p0 1210 ± 1.33
1280
1260
1240
1220
1200
1180
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

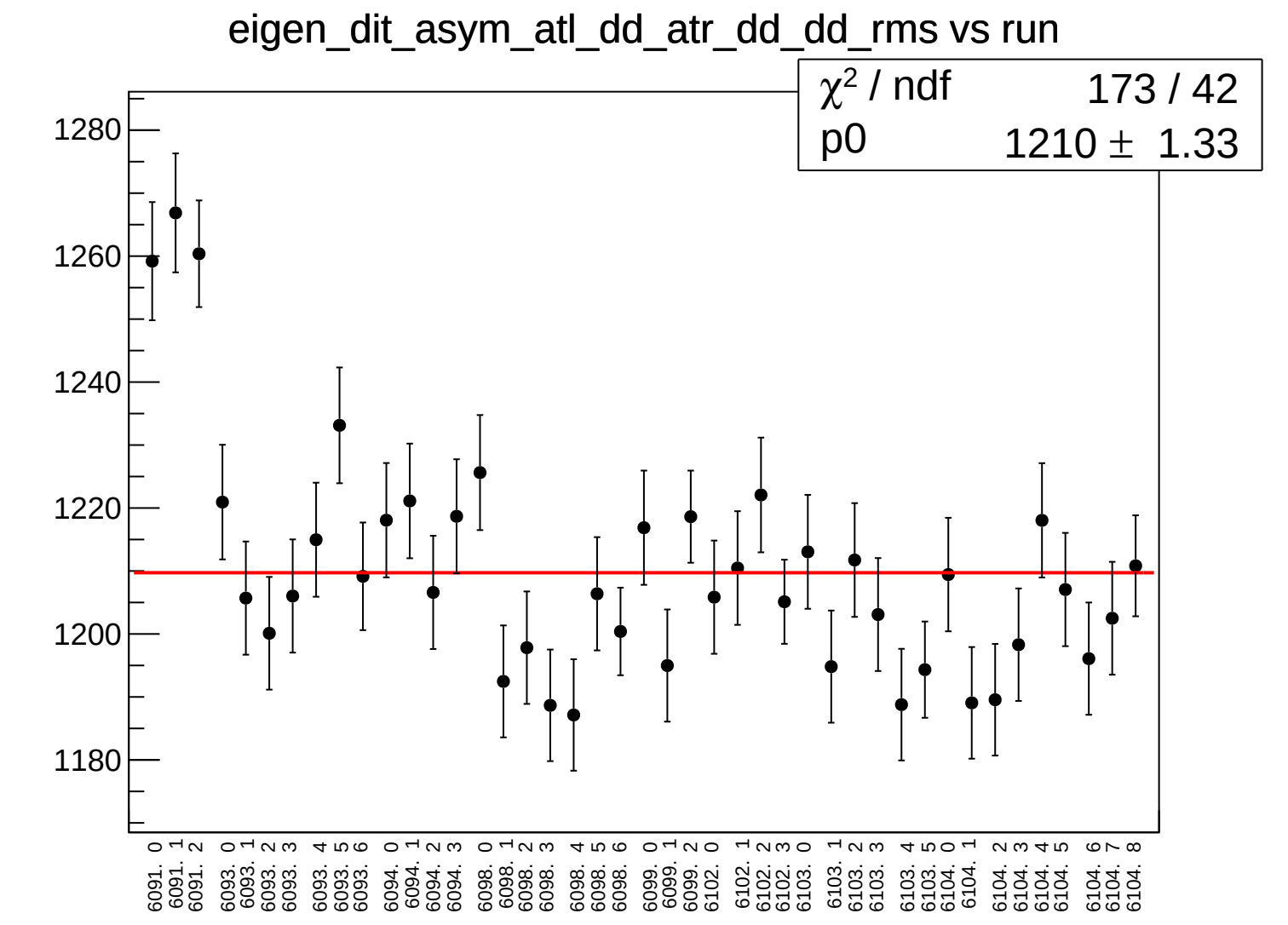

asym_atl_dd_atr_dd_dd_dit_correction_mean vs run
χ² / ndf 34.56 / 42
p0 91.57 ± 1789
40000
30000
20000
10000
0
−10000
−20000
−30000
−40000
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean −46.92
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

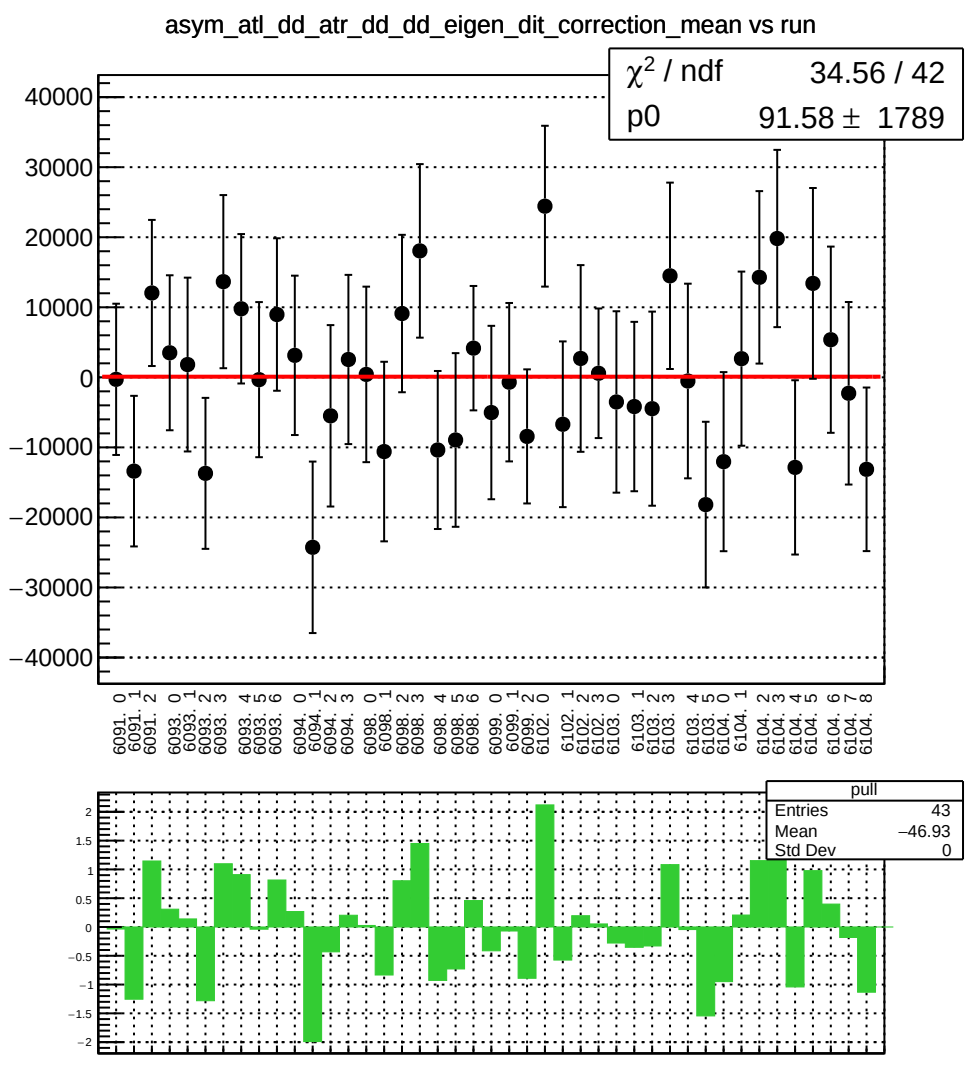

pull1D
Entries 43
Mean 0.001182
Std Dev 0.8965
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

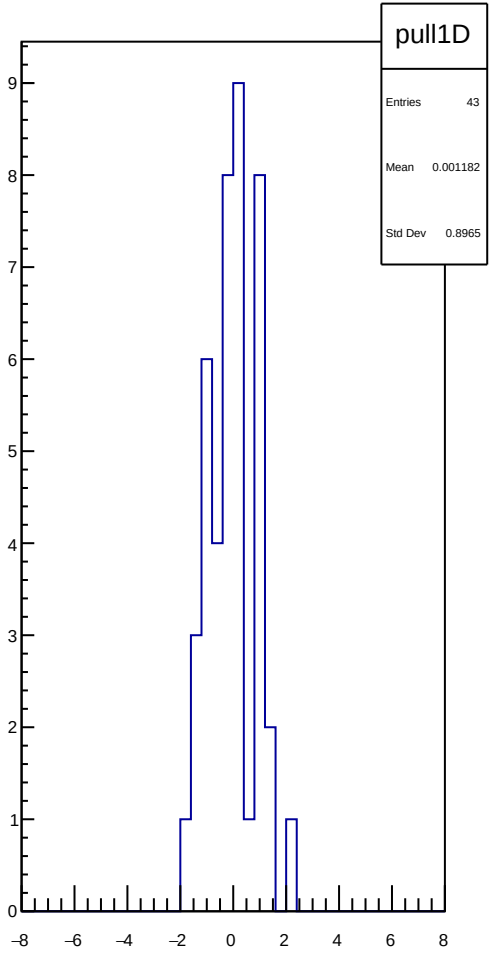

asym_atl_dd_atr_dd_dd_dit_correction_rms vs run
χ² / ndf 4378 / 42
p0 1148 ± 1.265
1350
1300
1250
1200
1150
1100
1050
1000
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

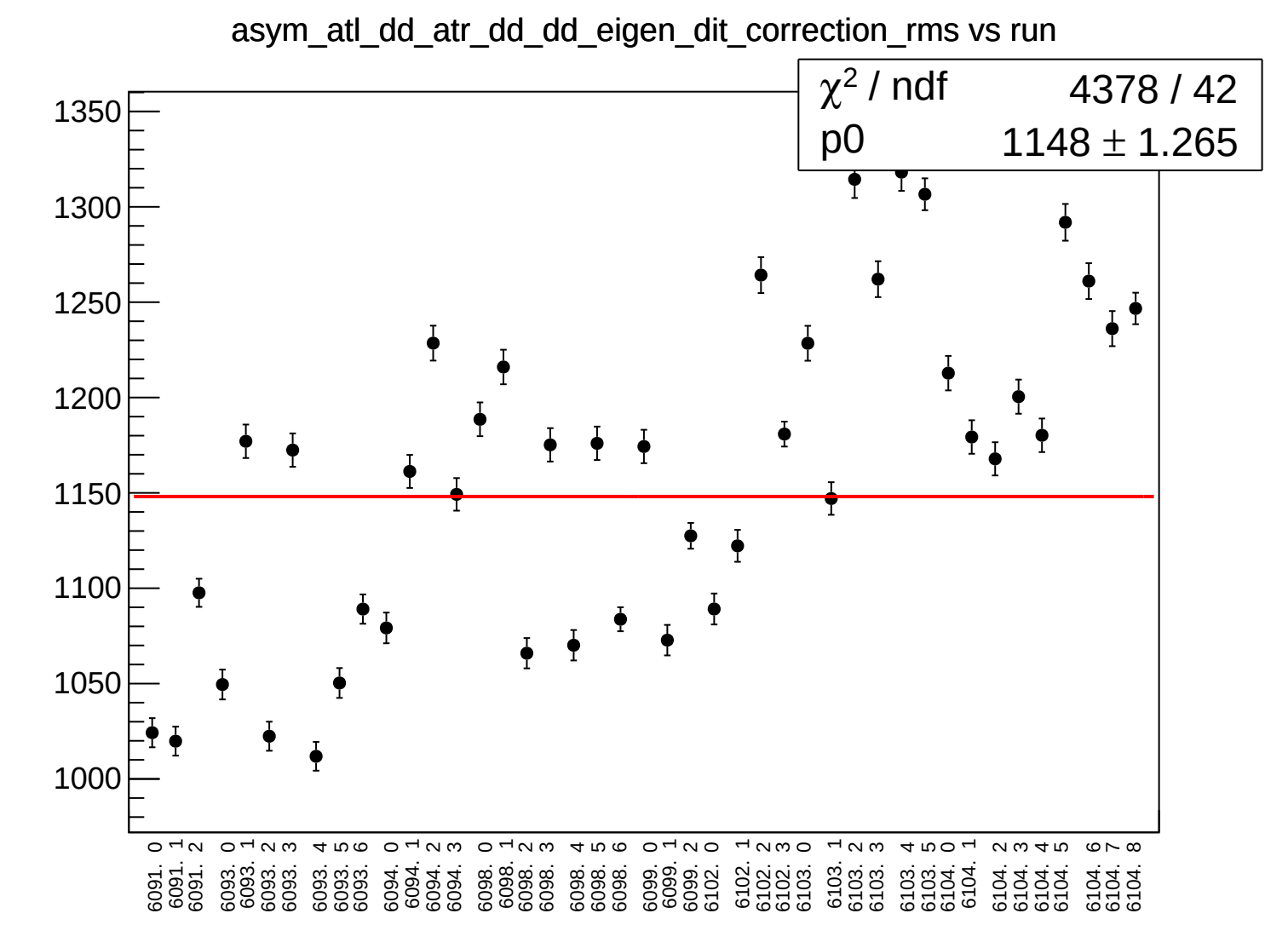

eigen_dit_asym_atl_dd_atr_dd_dd_mean vs run
χ² / ndf 36.92 / 42
p0 3081 ± 1881
40000
20000
0
−20000
−40000
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 1252
Std Dev 0
2
1
0
−1
−2

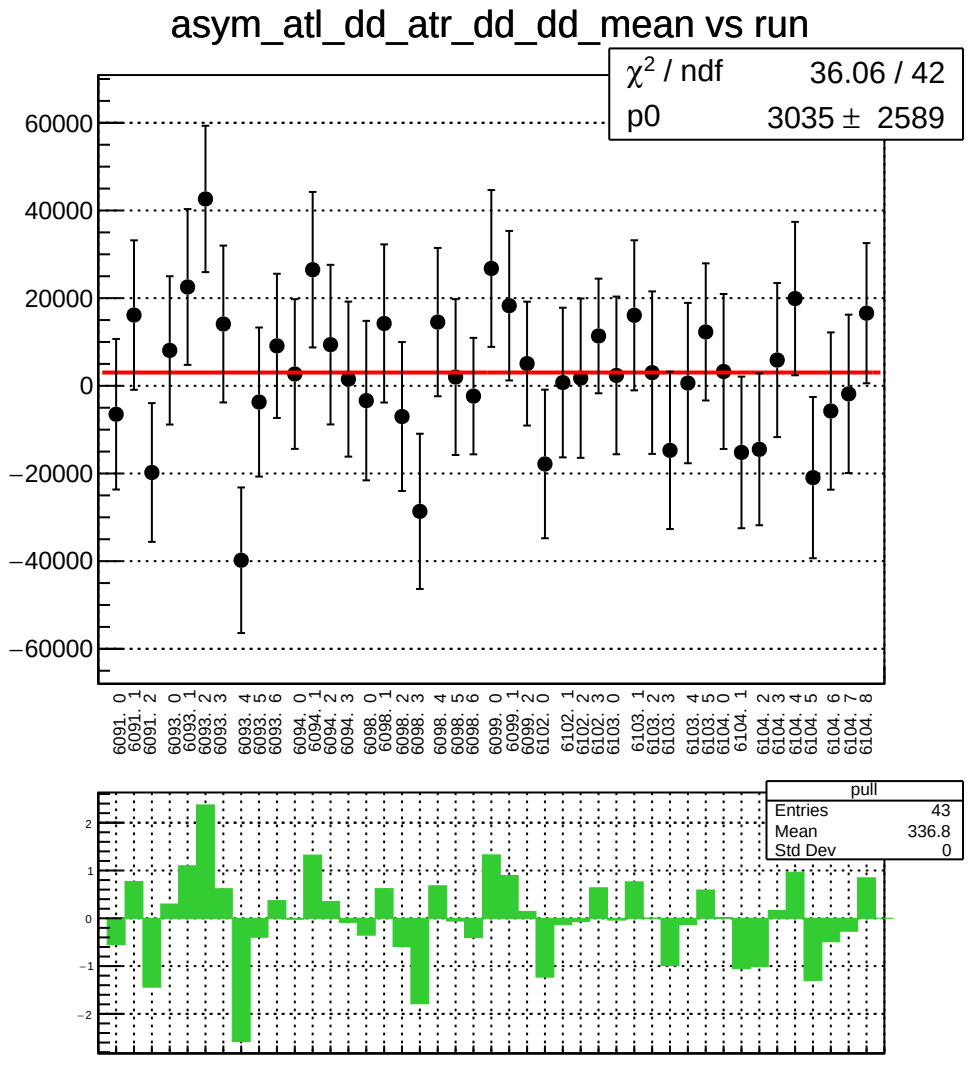

pull1D
Entries 43
Mean −0.001431
Std Dev 0.9265
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

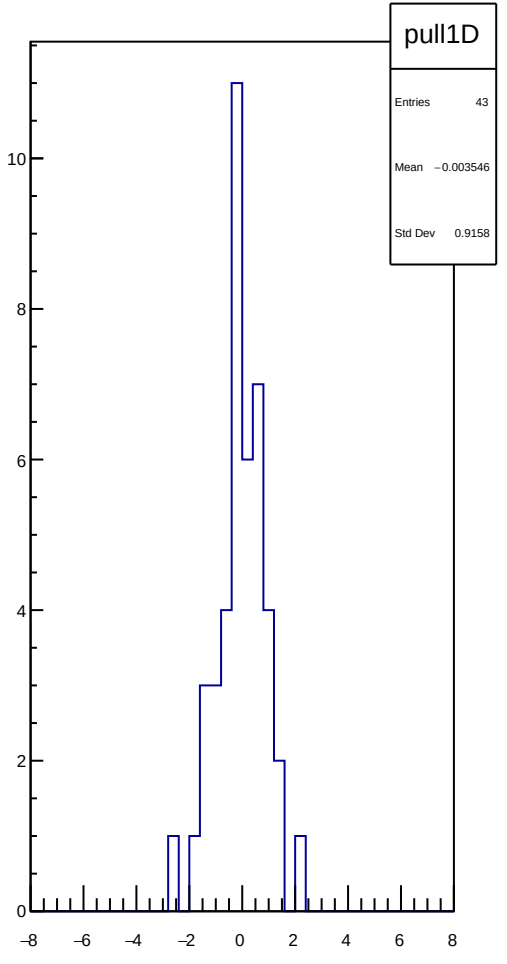

eigen_dit_asym_atl_dd_atr_dd_dd_rms vs run
χ² / ndf 173 / 42
p0 1210 ± 1.33
1280
1260
1240
1220
1200
1180
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

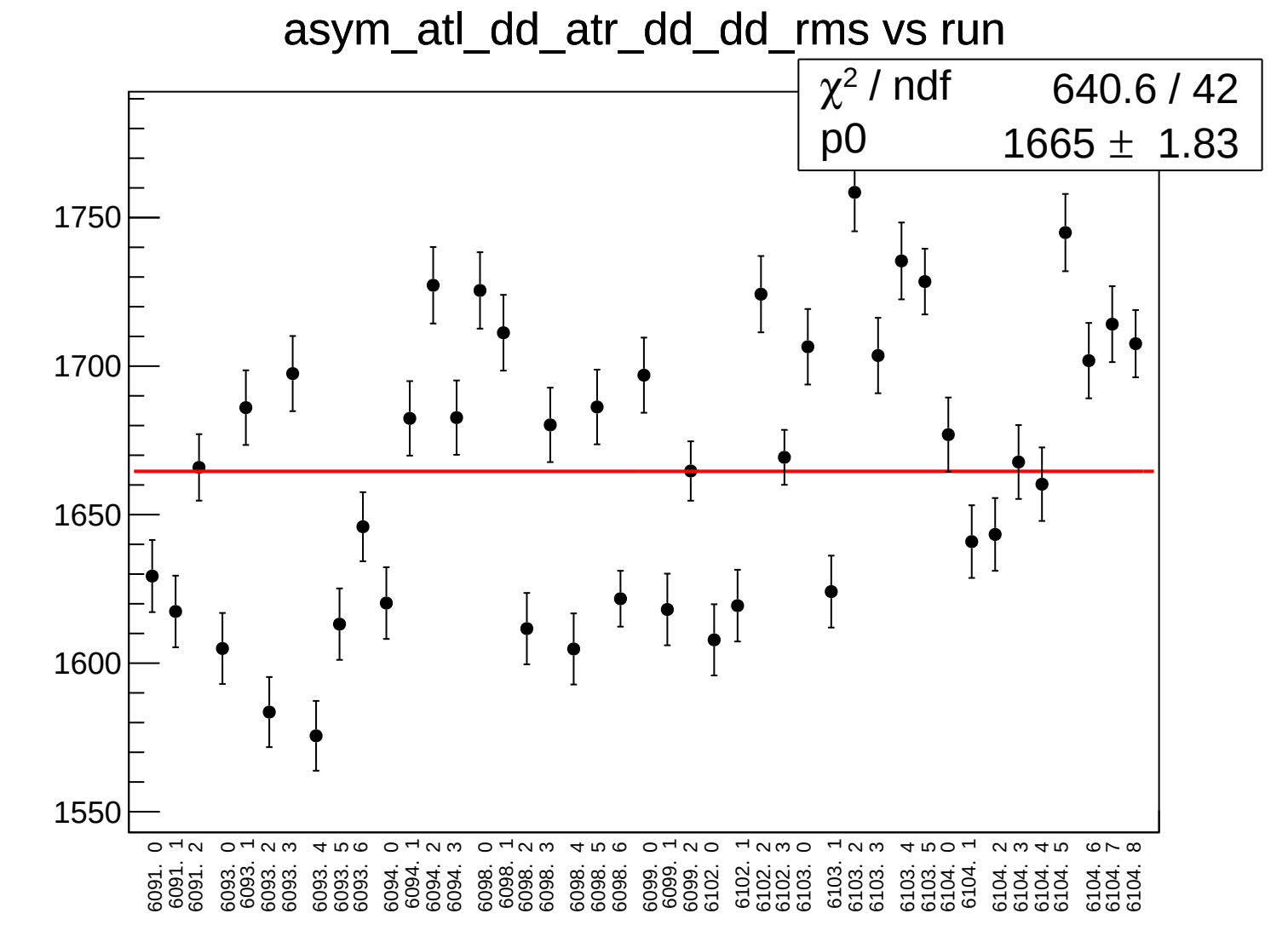

asym_atl_dd_atr_dd_dd_eigen_dit_correction_mean vs run
χ² / ndf 34.56 / 42
p0 91.58 ± 1789
40000
30000
20000
10000
0
−10000
−20000
−30000
−40000
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean −46.93
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

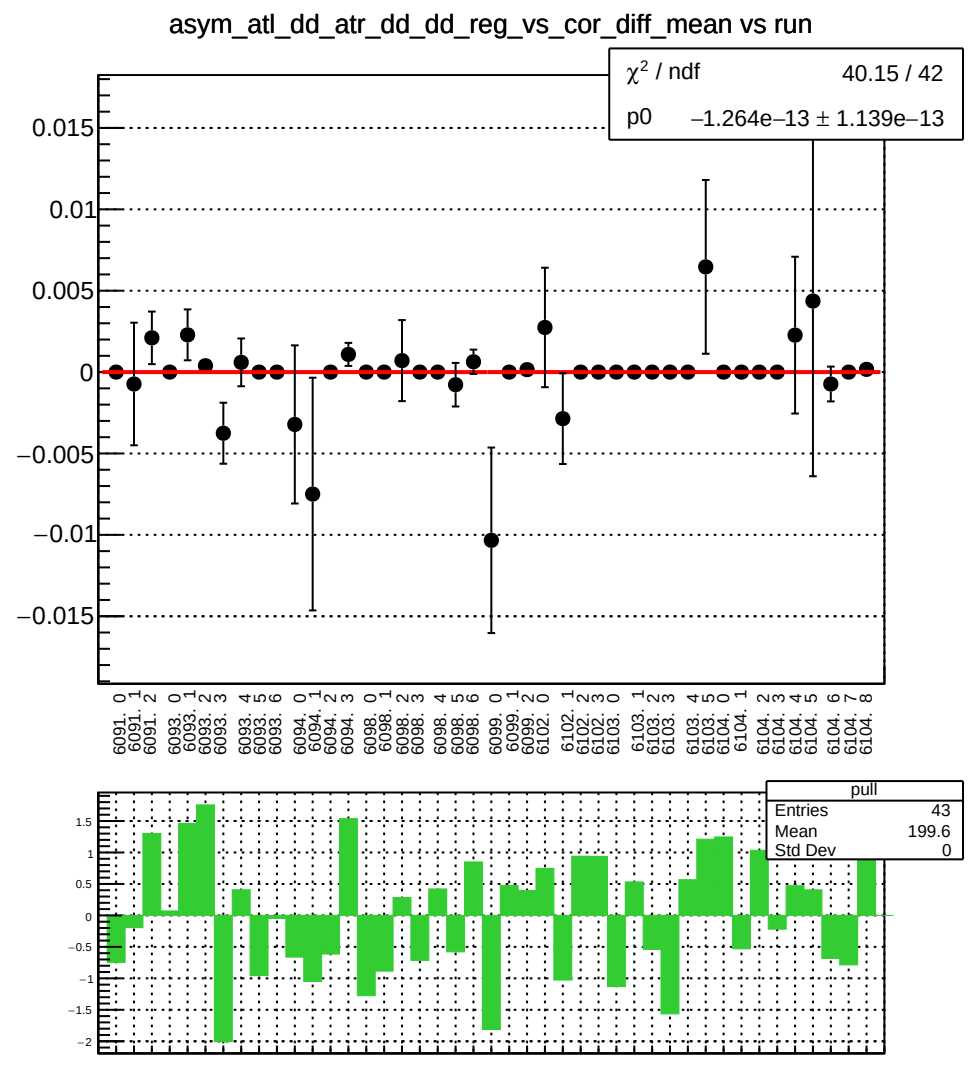

pull1D
Entries 43
Mean 0.001182
Std Dev 0.8965
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

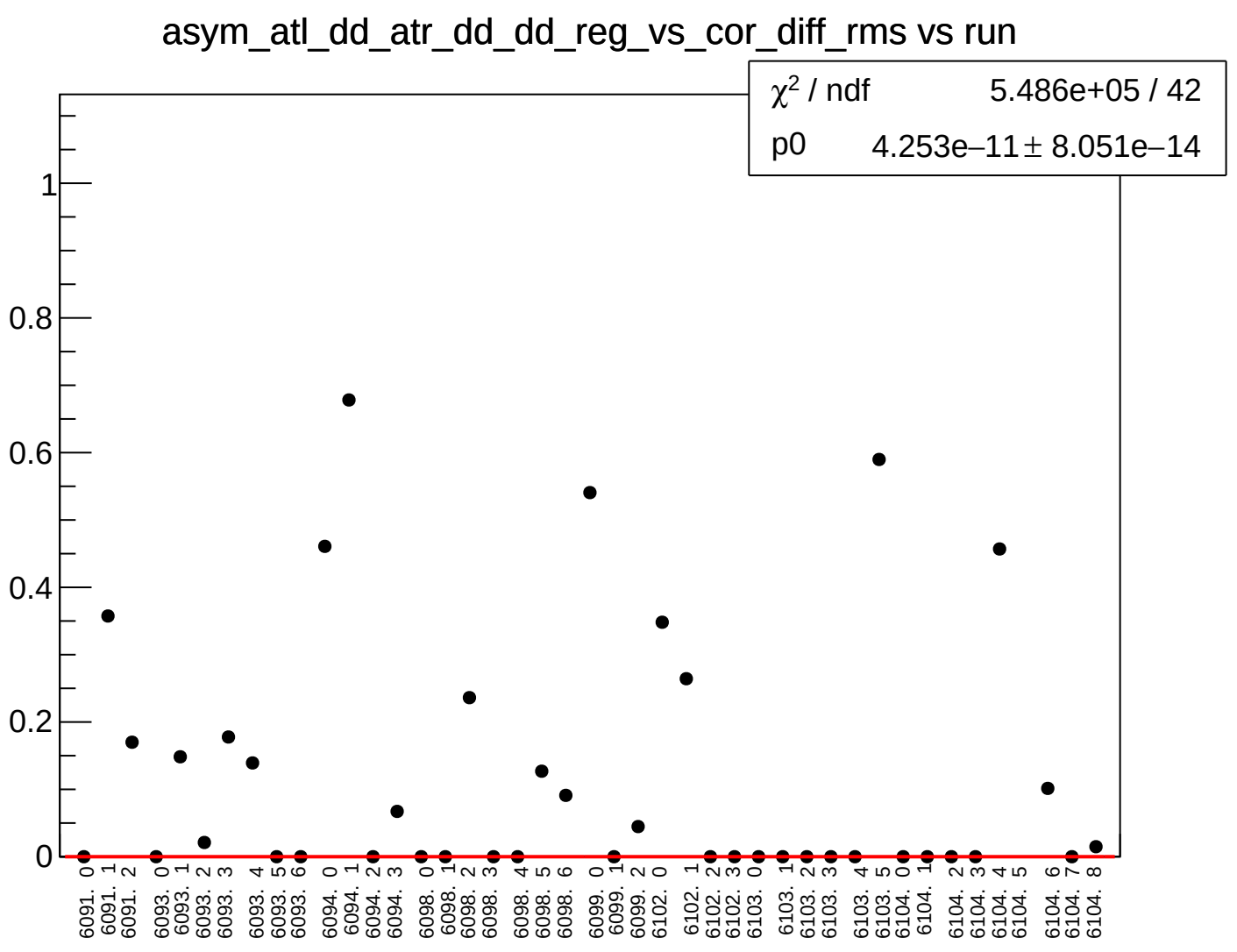

asym_atl_dd_atr_dd_dd_eigen_dit_correction_rms vs run
χ² / ndf 4378 / 42
p0 1148 ± 1.265
1350
1300
1250
1200
1150
1100
1050
1000
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

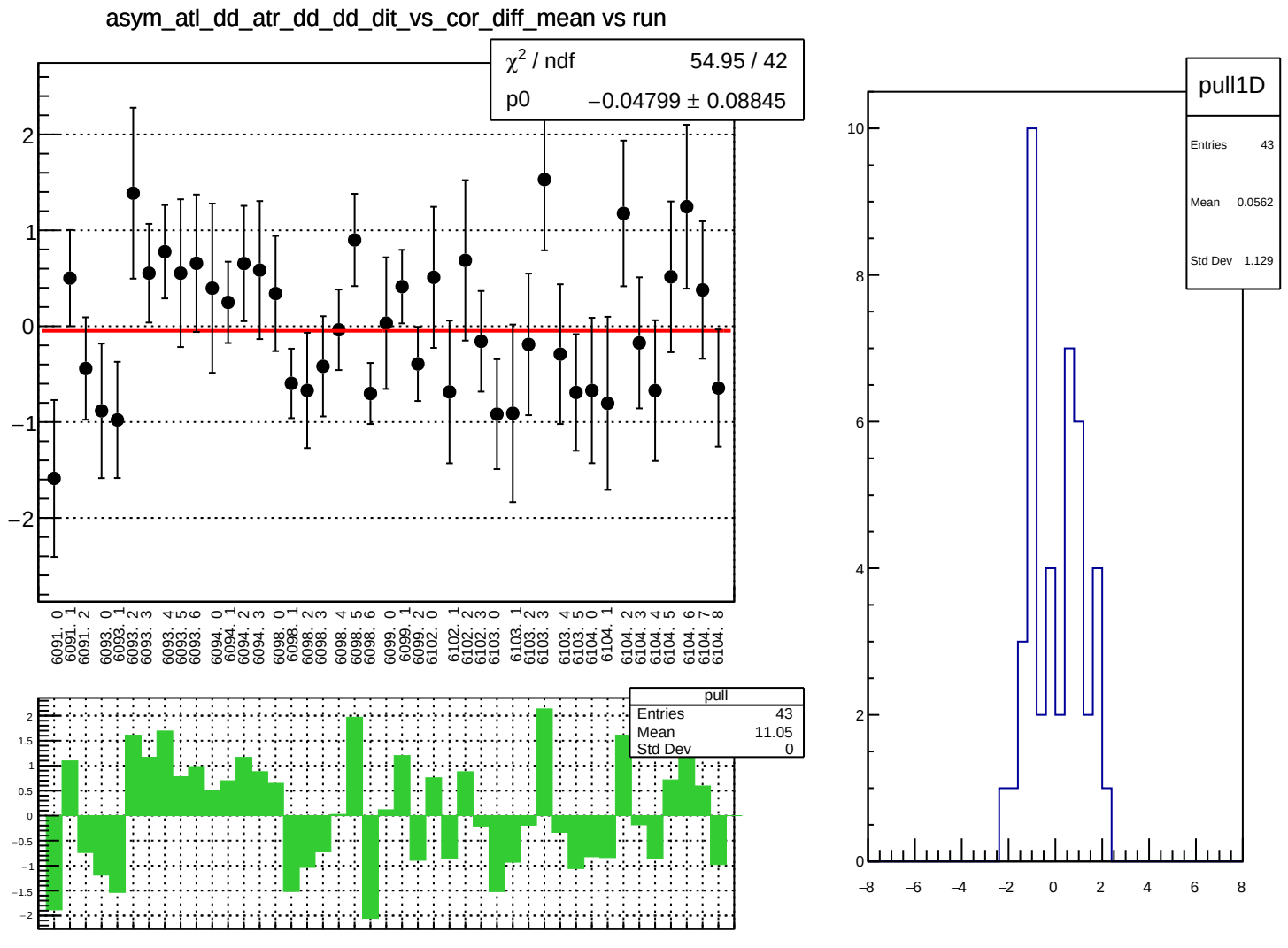

asym_atl_dd_atr_dd_dd_mean vs run
χ² / ndf 36.06 / 42
p0 3035 ± 2589
60000
40000
20000
0
−20000
−40000
−60000
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 336.8
Std Dev 0
2
1
0
−1
−2

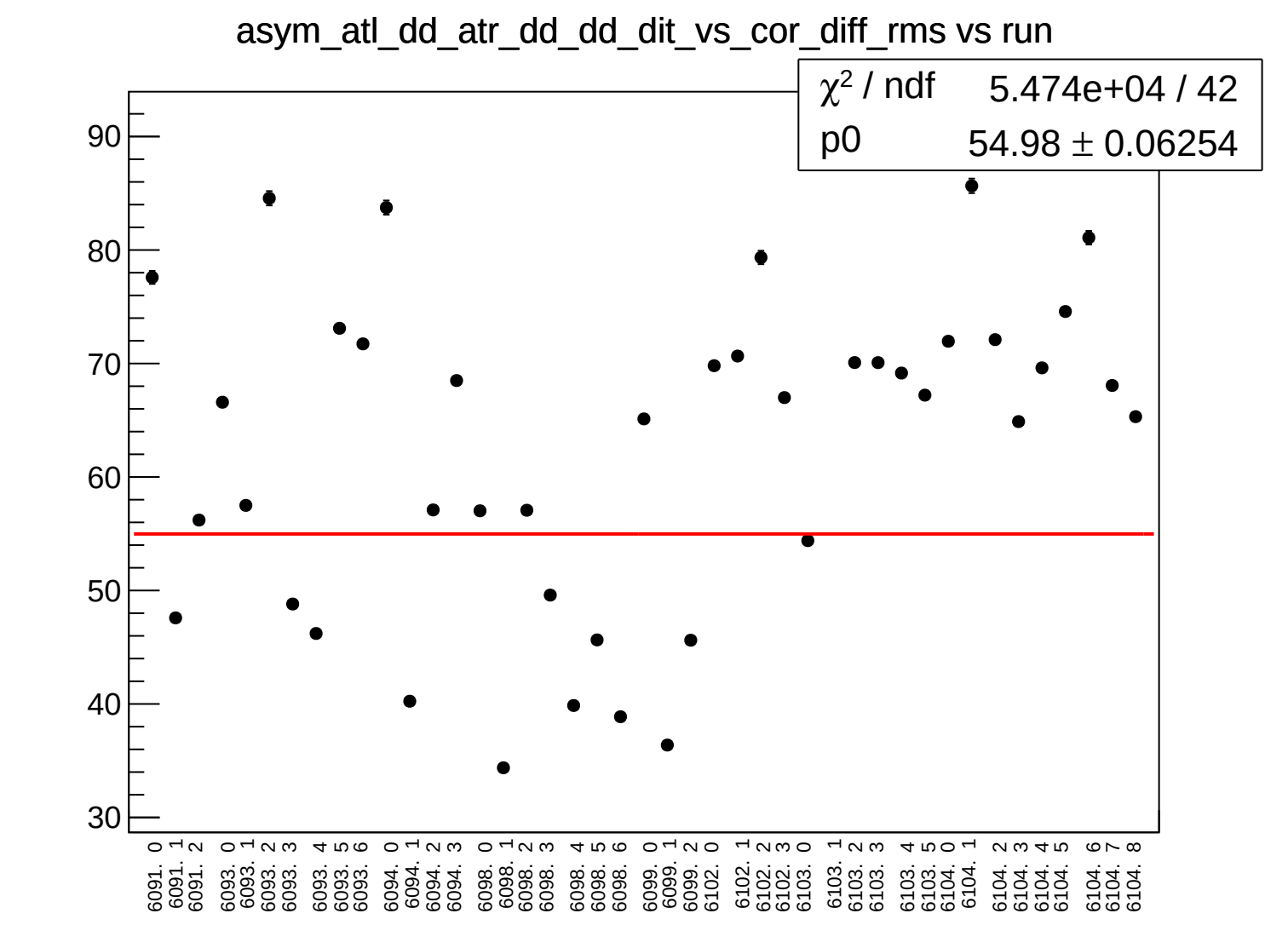

pull1D
Entries 43
Mean −0.003546
Std Dev 0.9158
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

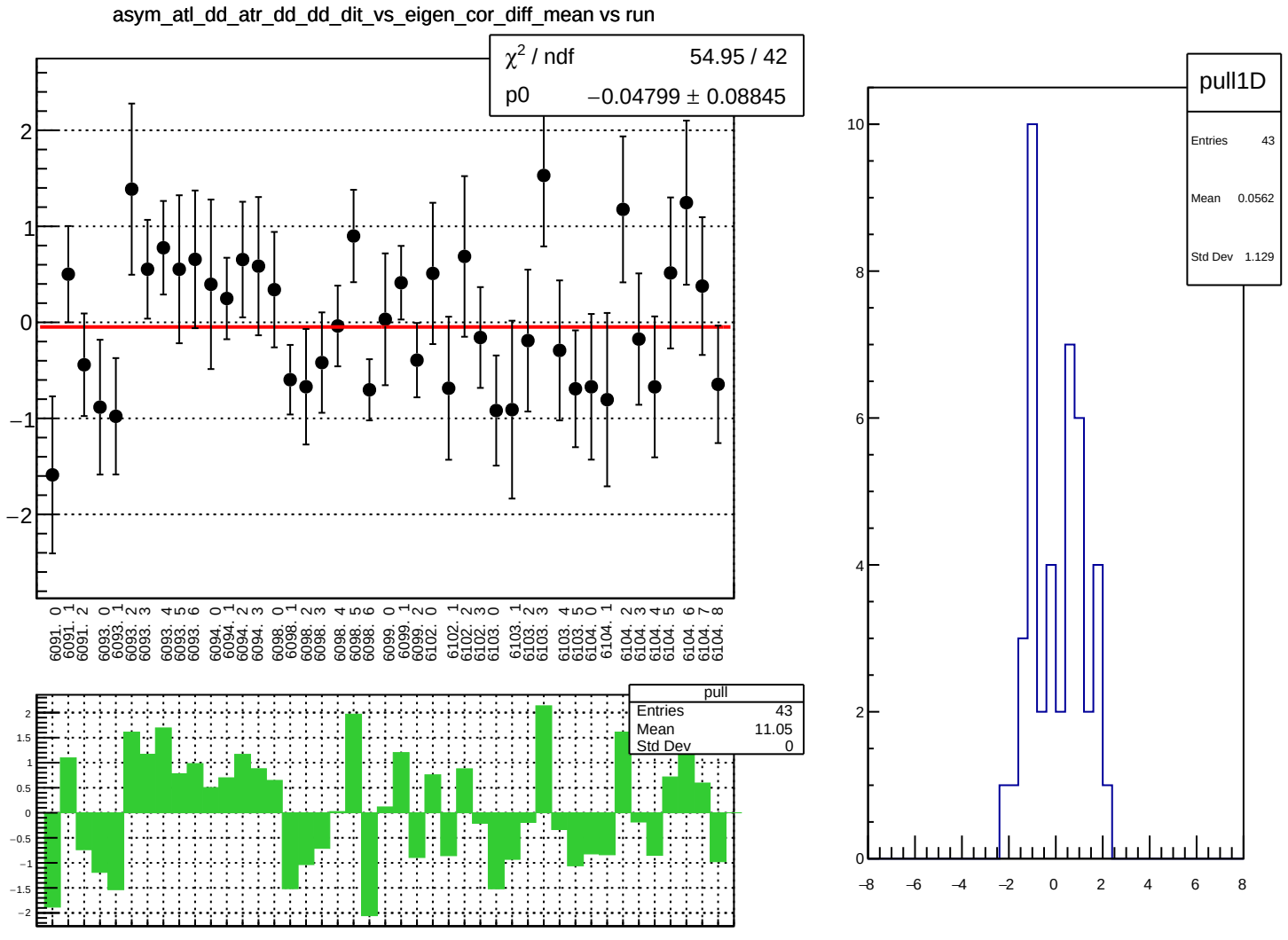

asym_atl_dd_atr_dd_dd_rms vs run
χ² / ndf 640.6 / 42
p0 1665 ± 1.83
1750
1700
1650
1600
1550
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

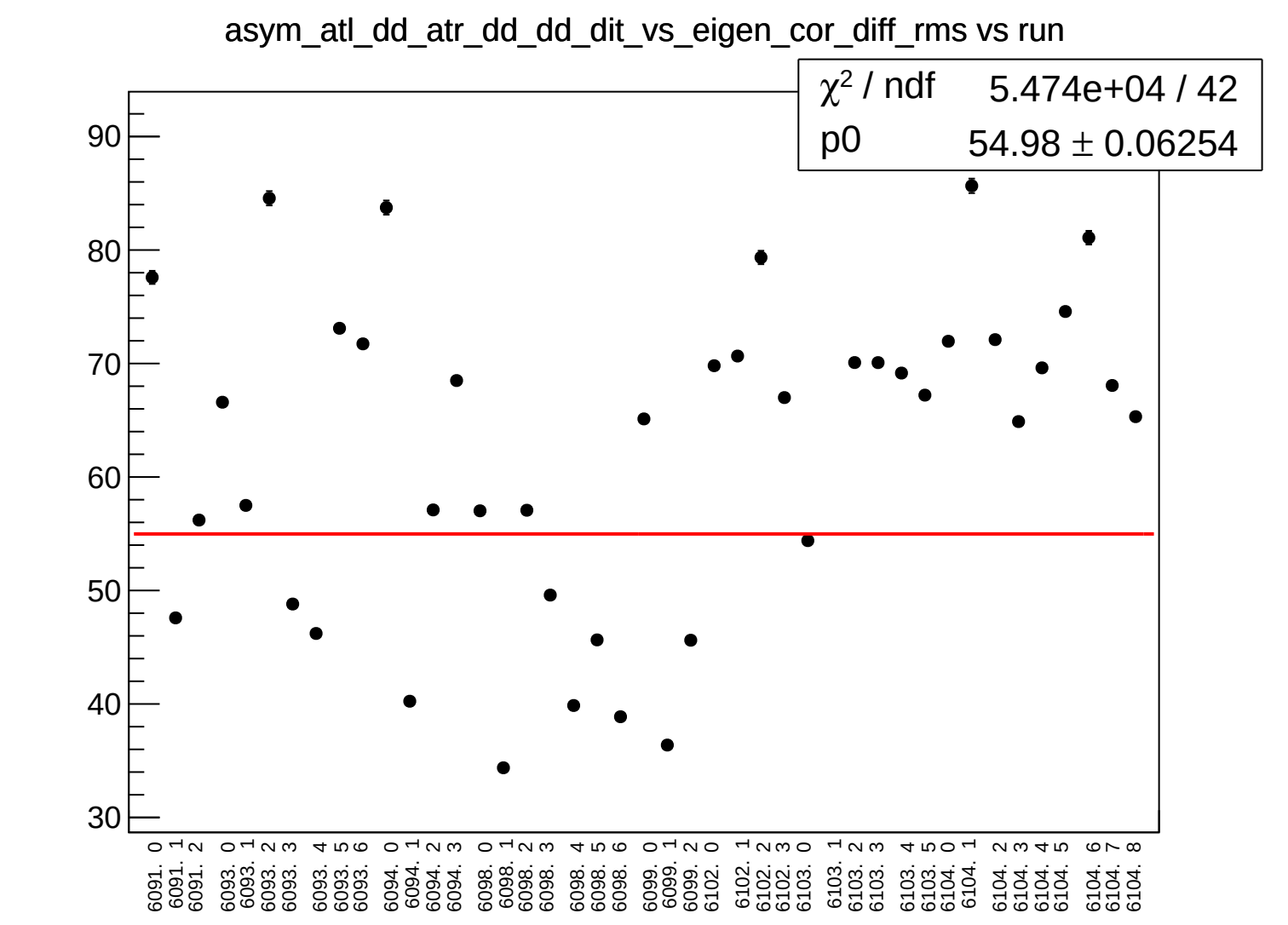

asym_atl_dd_atr_dd_dd_reg_vs_cor_diff_mean vs run
χ² / ndf 40.15 / 42
p0 −1.264e−13 ± 1.139e−13
0.015
0.01
0.005
0
−0.005
−0.01
−0.015
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 199.6
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 43
Mean 0.005587
Std Dev 0.9663
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


asym_atl_dd_atr_dd_dd_reg_vs_cor_diff_rms vs run
χ² / ndf 5.486e+05 / 42
p0 4.253e−11 ± 8.051e−14
1
0.8
0.6
0.4
0.2
0
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8


asym_atl_dd_atr_dd_dd_dit_vs_cor_diff_mean vs run
χ² / ndf 54.95 / 42
p0 −0.04799 ± 0.08845
pull
Entries 43
Mean 11.05
Std Dev 0
pull1D
Entries 43
Mean 0.0562
Std Dev 1.129


asym_atl_dd_atr_dd_dd_dit_vs_cor_diff_rms vs run
χ² / ndf 5.474e+04 / 42
p0 54.98 ± 0.06254
90
80
70
60
50
40
30
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8


asym_atl_dd_atr_dd_dd_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 54.95 / 42
p0 −0.04799 ± 0.08845
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 11.05
Std Dev 0
pull1D
Entries 43
Mean 0.0562
Std Dev 1.129


asym_atl_dd_atr_dd_dd_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 5.474e+04 / 42
p0 54.98 ± 0.06254
90
80
70
60
50
40
30
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
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6098. 4
6098. 5
6098. 6
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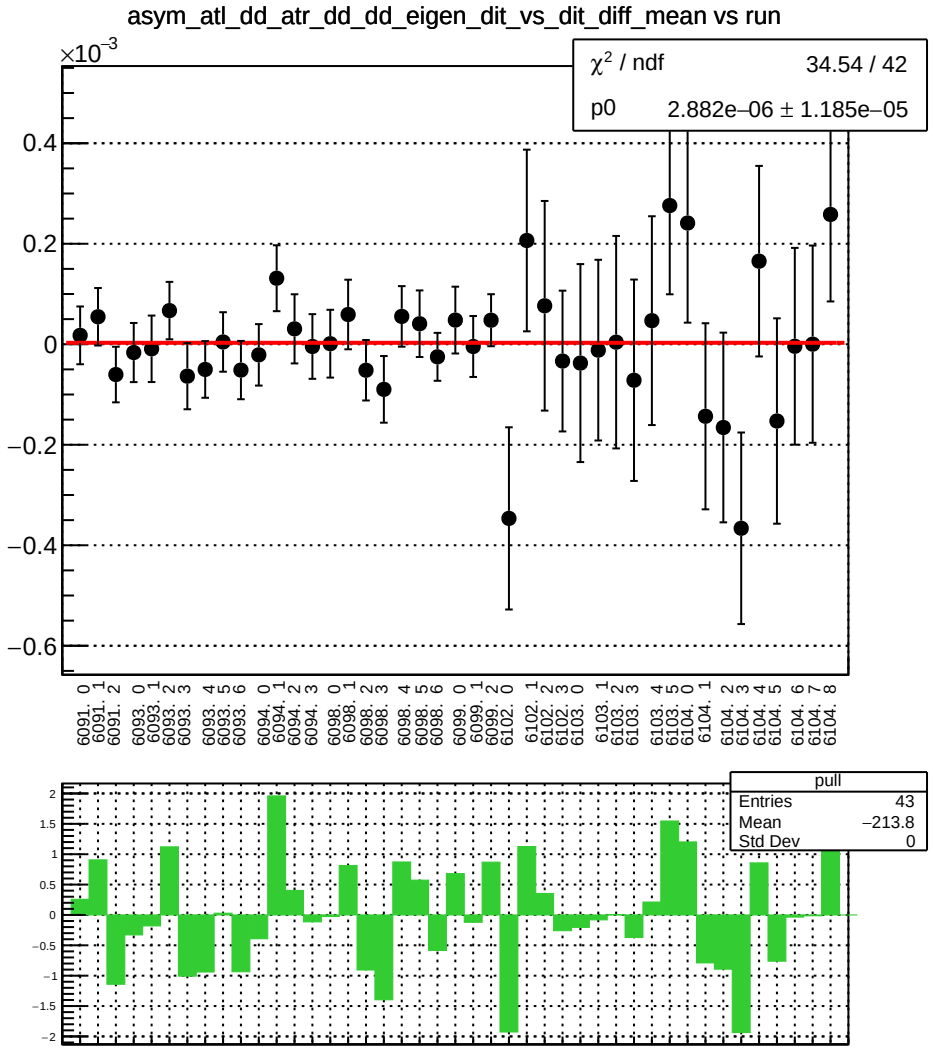
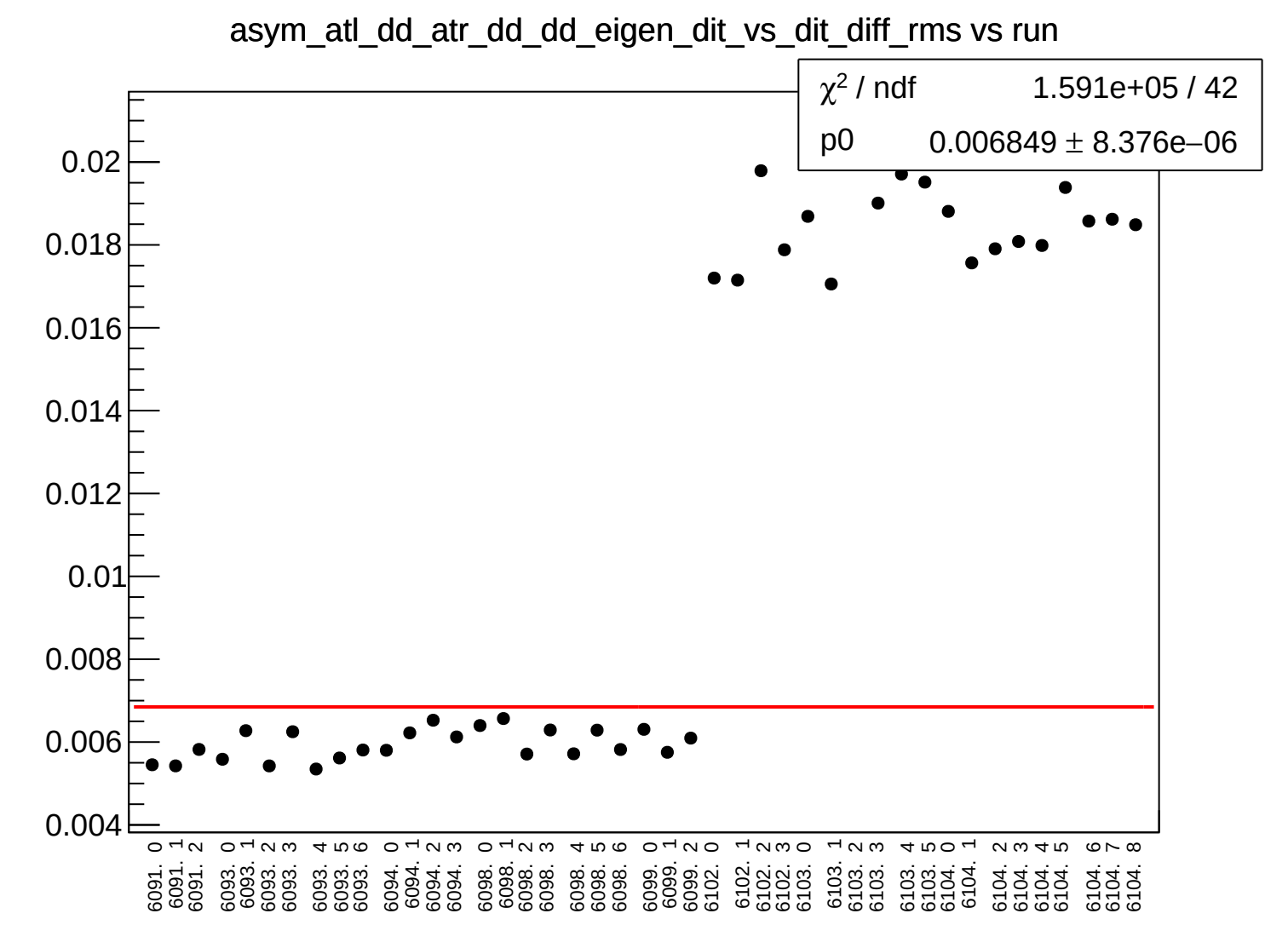
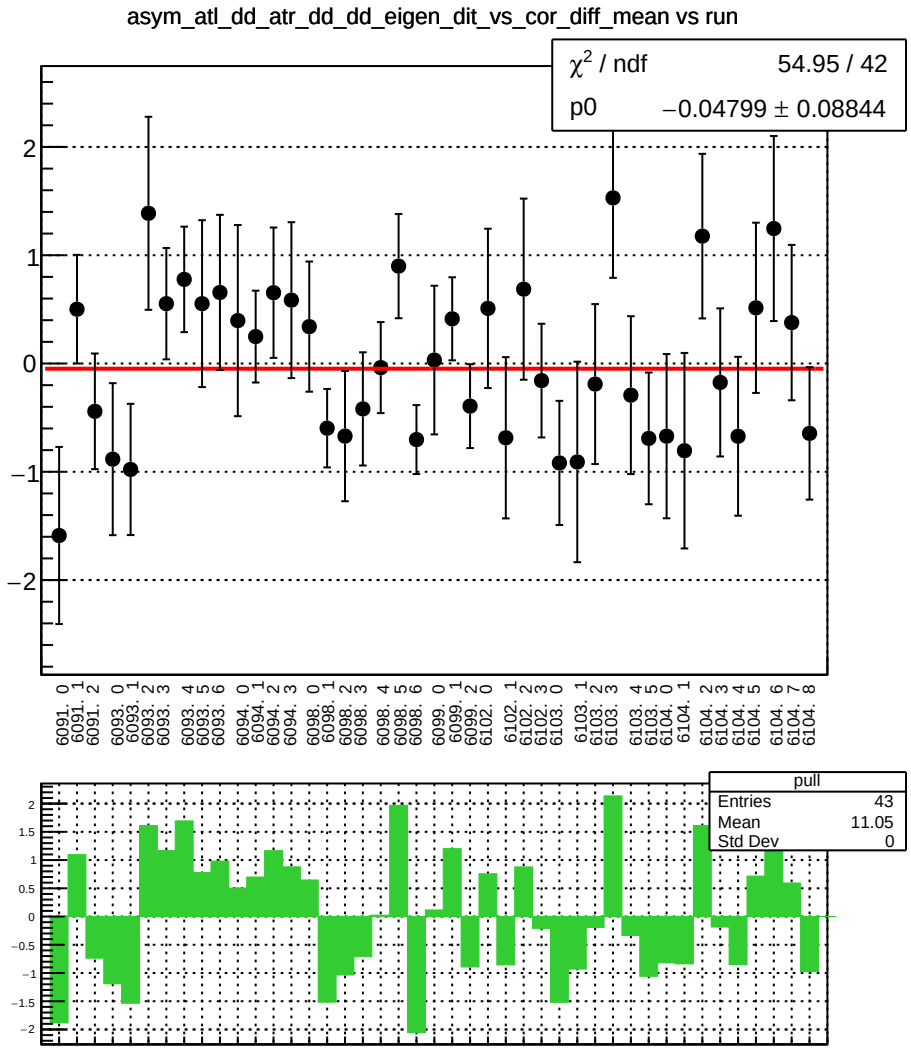
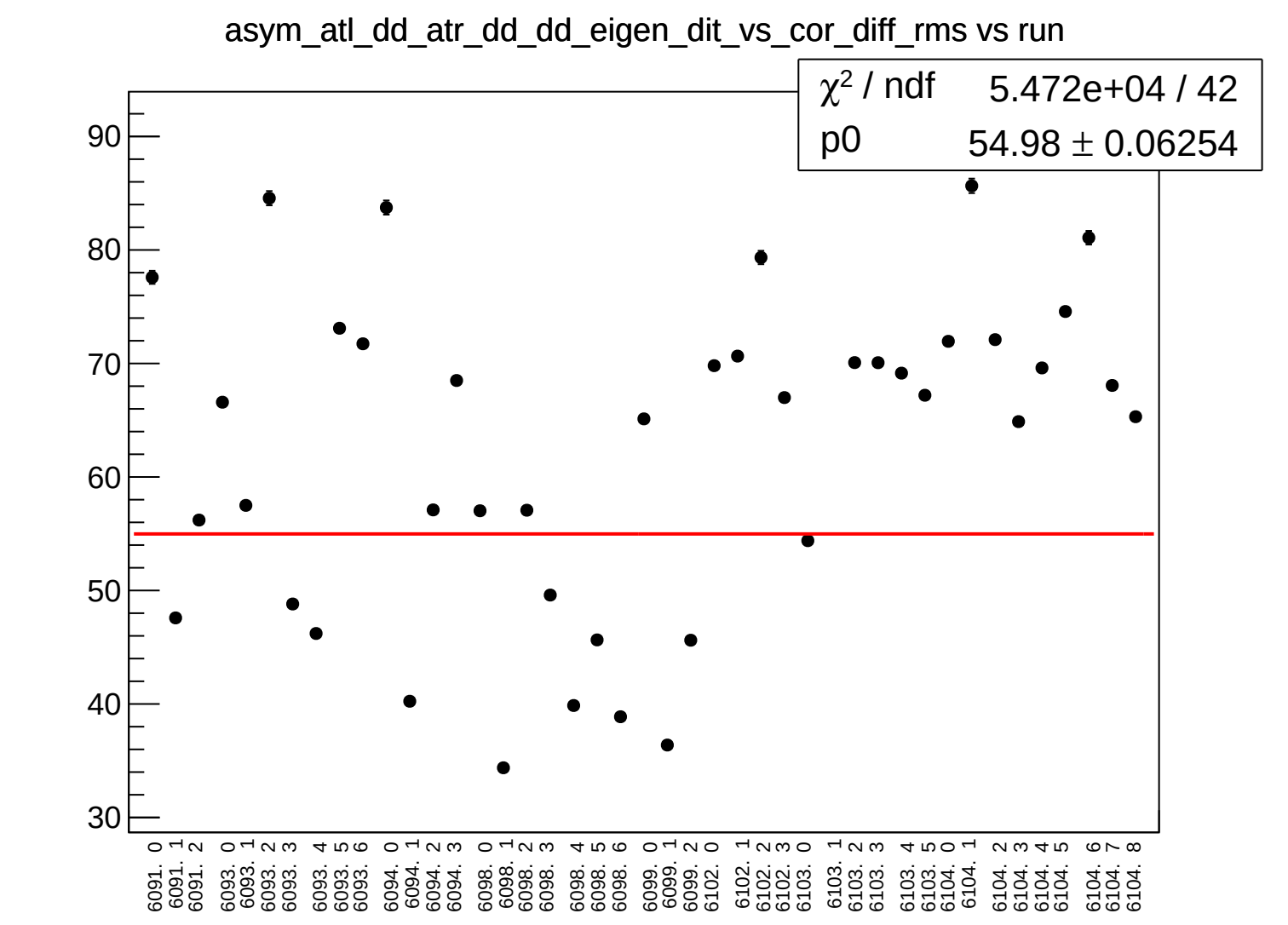
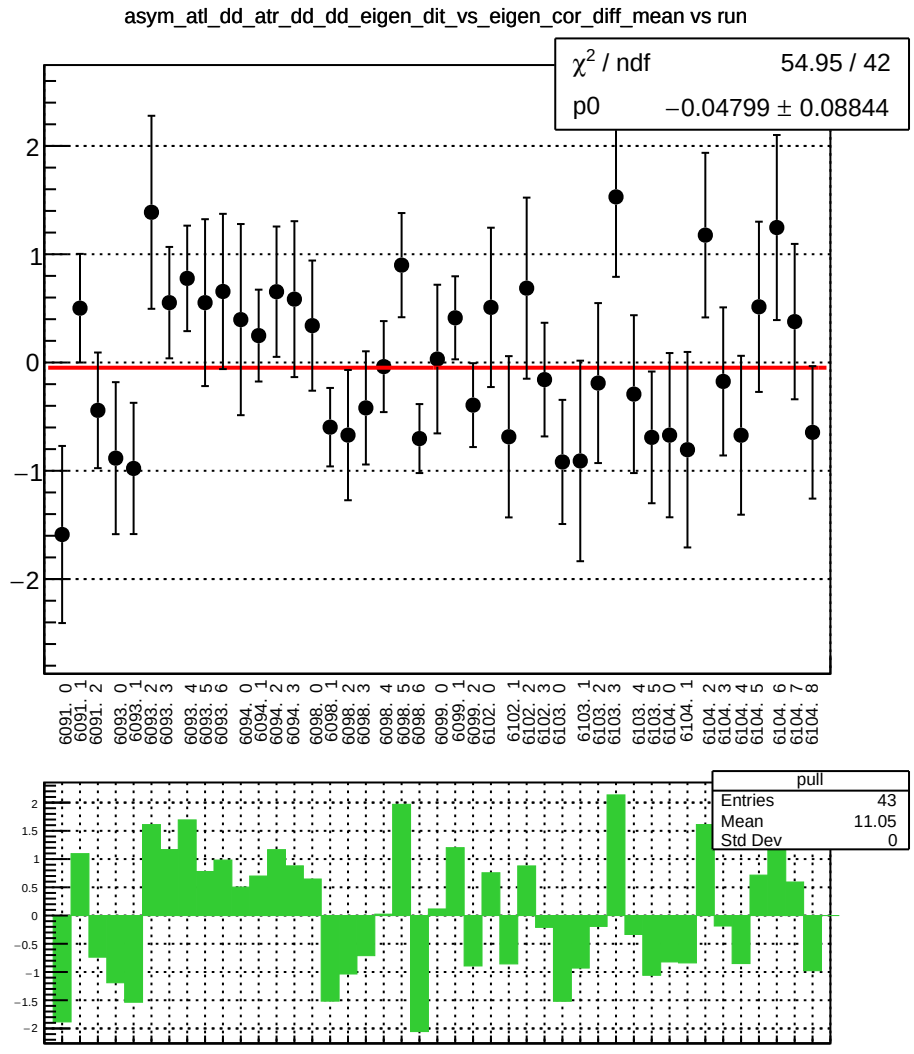
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

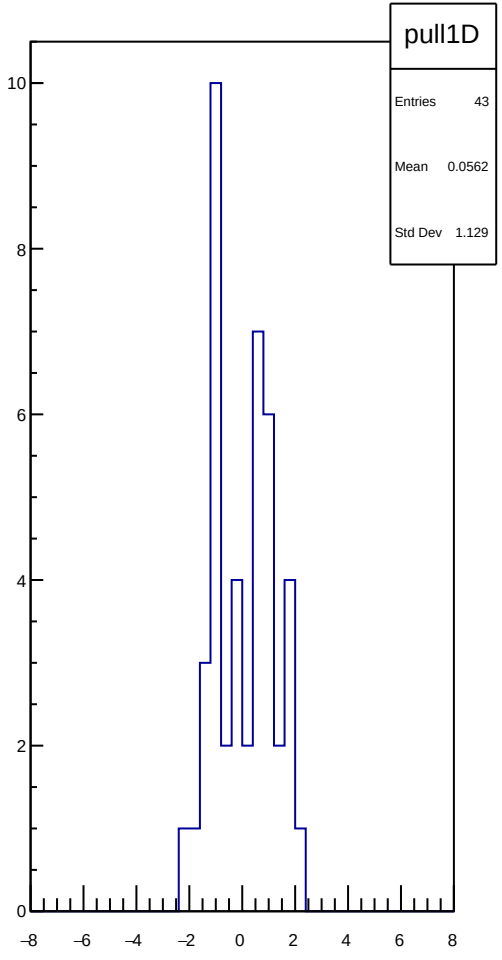

asym_atl_dd_atr_dd_dd_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 34.54 / 42
p0 2.882e−06 ± 1.185e−05
0.4
0.2
0
−0.2
−0.4
−0.6
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean −213.8
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 43
Mean −0.001911
Std Dev 0.8962
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

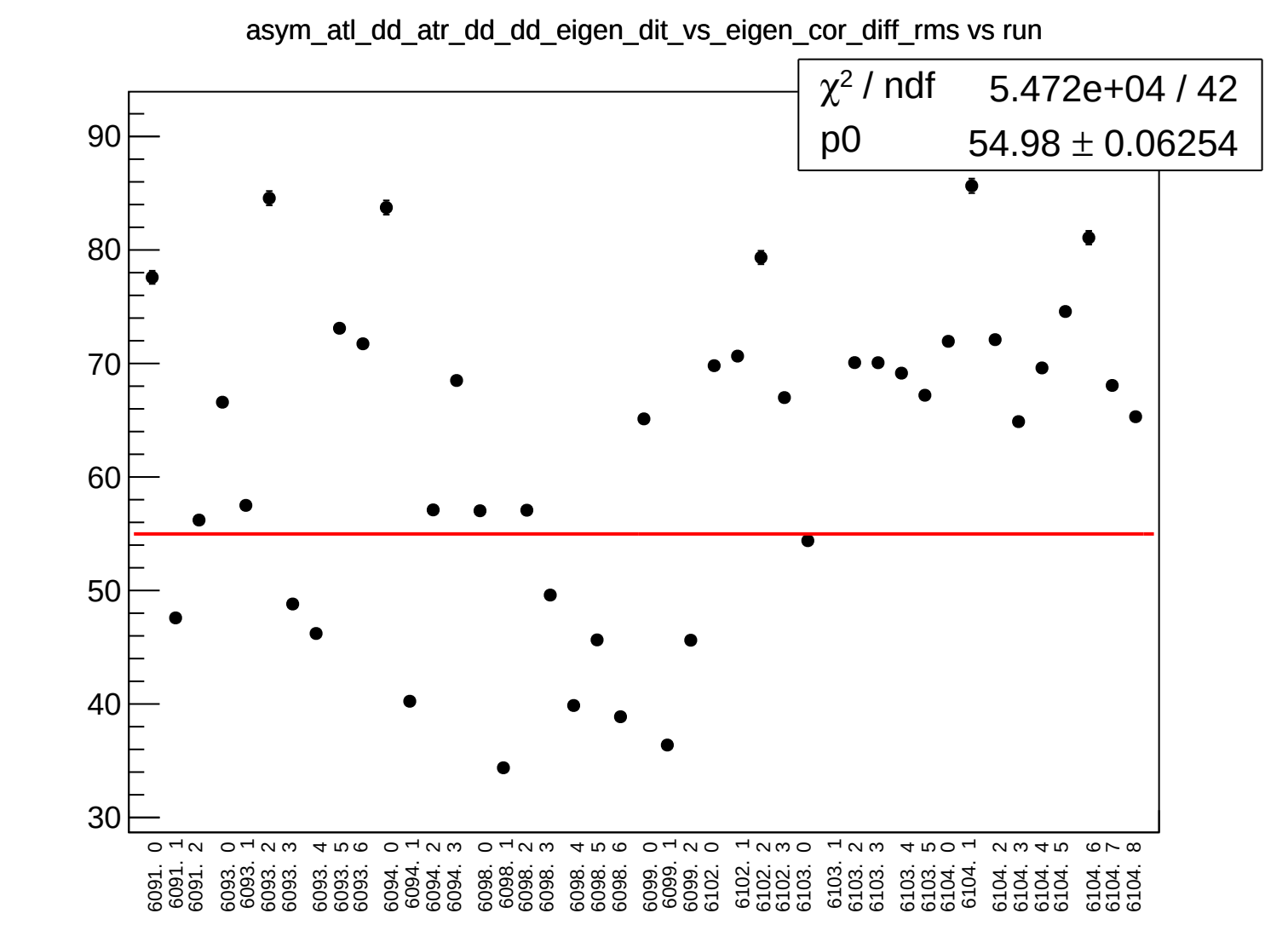

asym_atl_dd_atr_dd_dd_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 1.591e+05 / 42
p0 0.006849 ± 8.376e−06
0.02
0.018
0.016
0.014
0.012
0.01
0.008
0.006
0.004
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

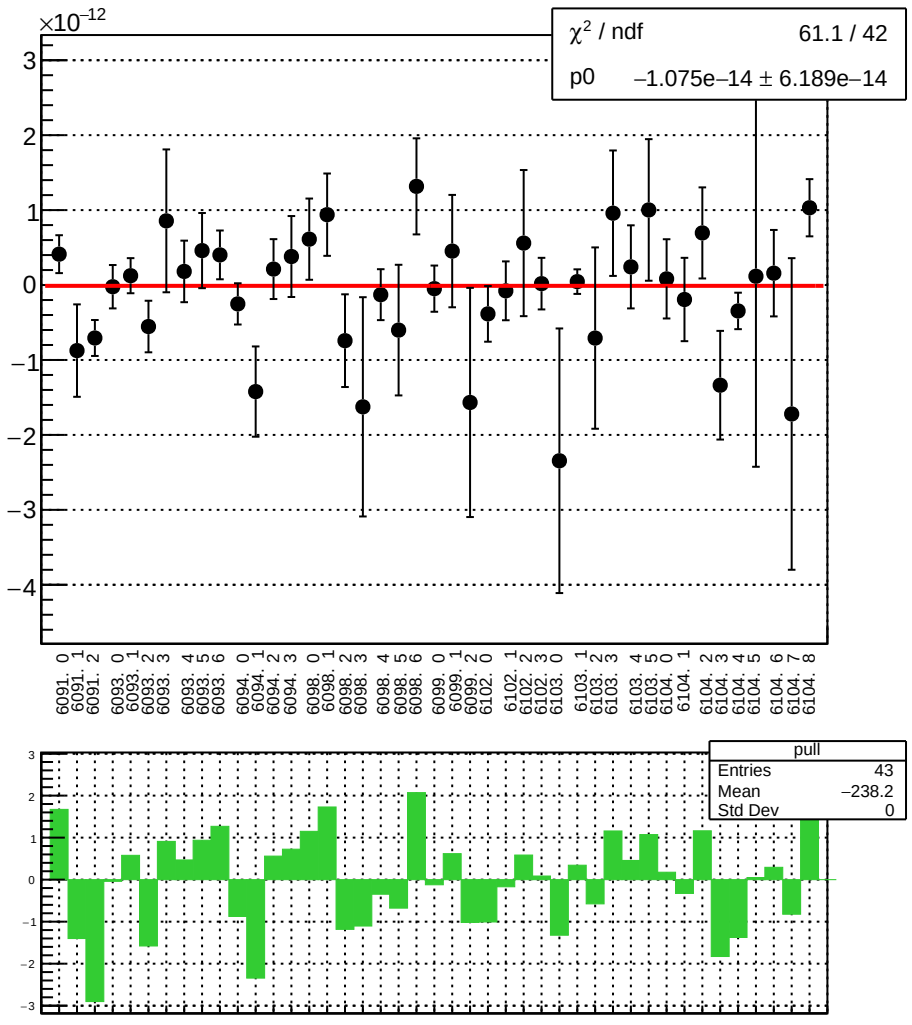

asym_atl_dd_atr_dd_dd_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 54.95 / 42
p0 −0.04799 ± 0.08844
pull
Entries 43
Mean 11.05
Std Dev 0
pull1D
Entries 43
Mean 0.0562
Std Dev 1.129

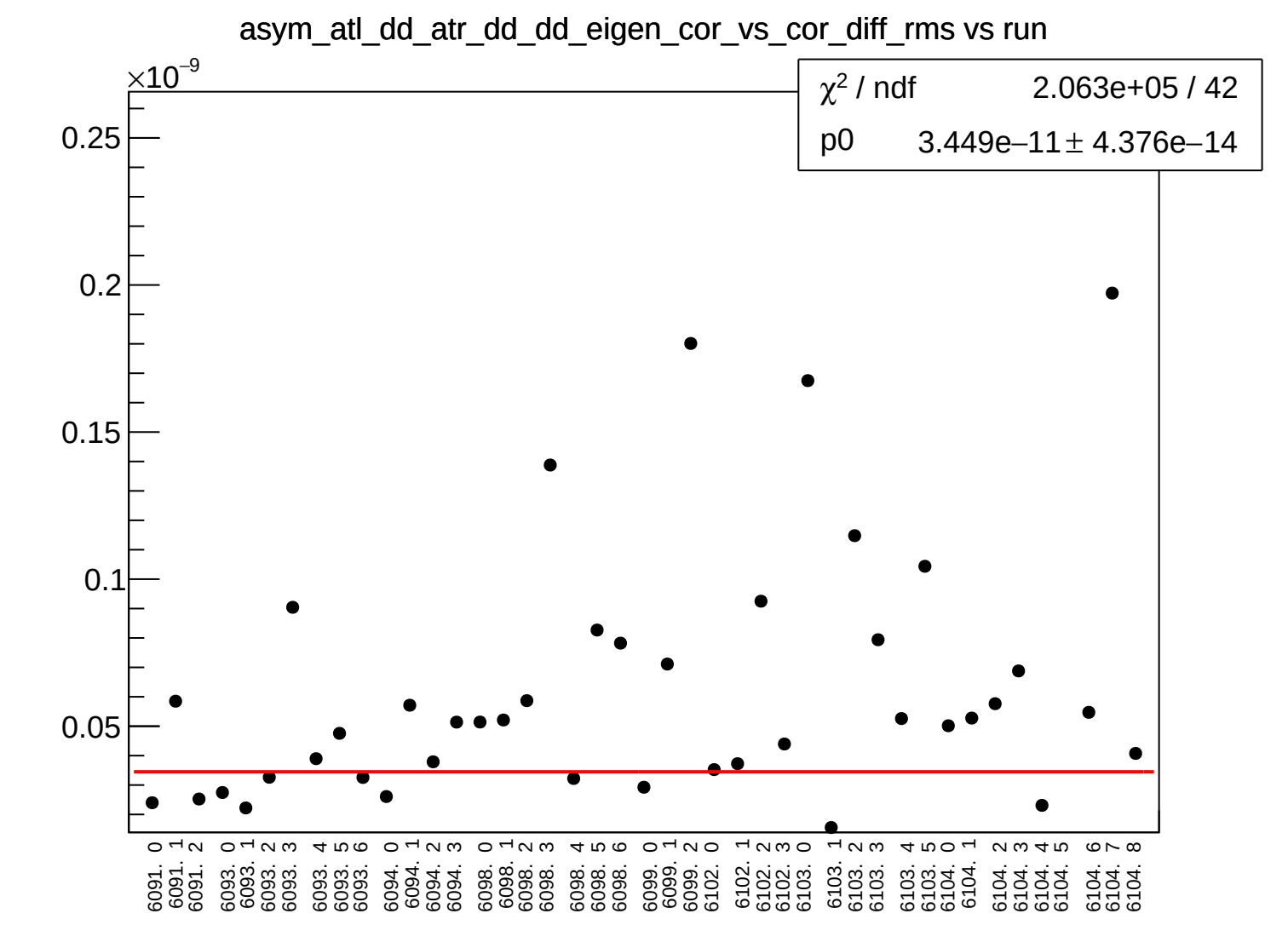

asym_atl_dd_atr_dd_dd_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 5.472e+04 / 42
p0 54.98 ± 0.06254
90
80
70
60
50
40
30
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

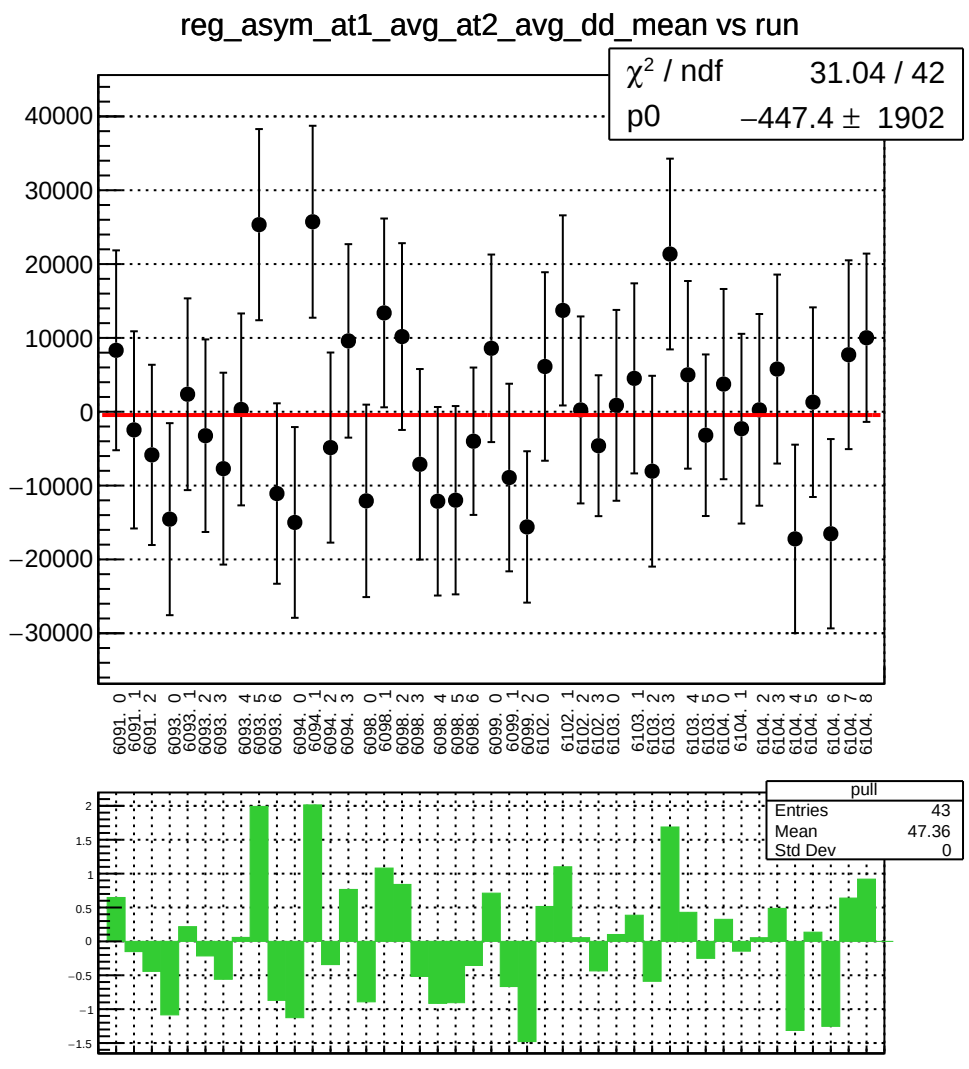

asym_atl_dd_atr_dd_dd_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 54.95 / 42
p0 −0.04799 ± 0.08844
pull
Entries 43
Mean 11.05
Std Dev 0

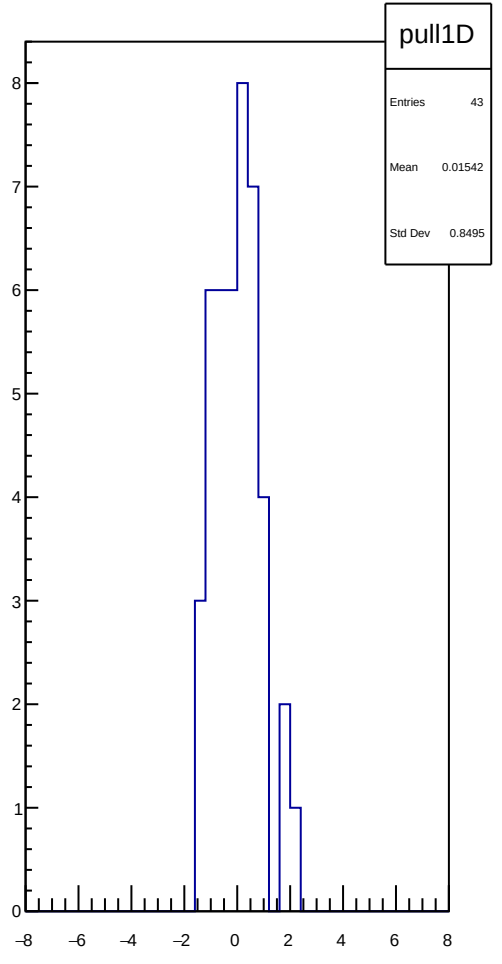

pull1D
Entries 43
Mean 0.0562
Std Dev 1.129

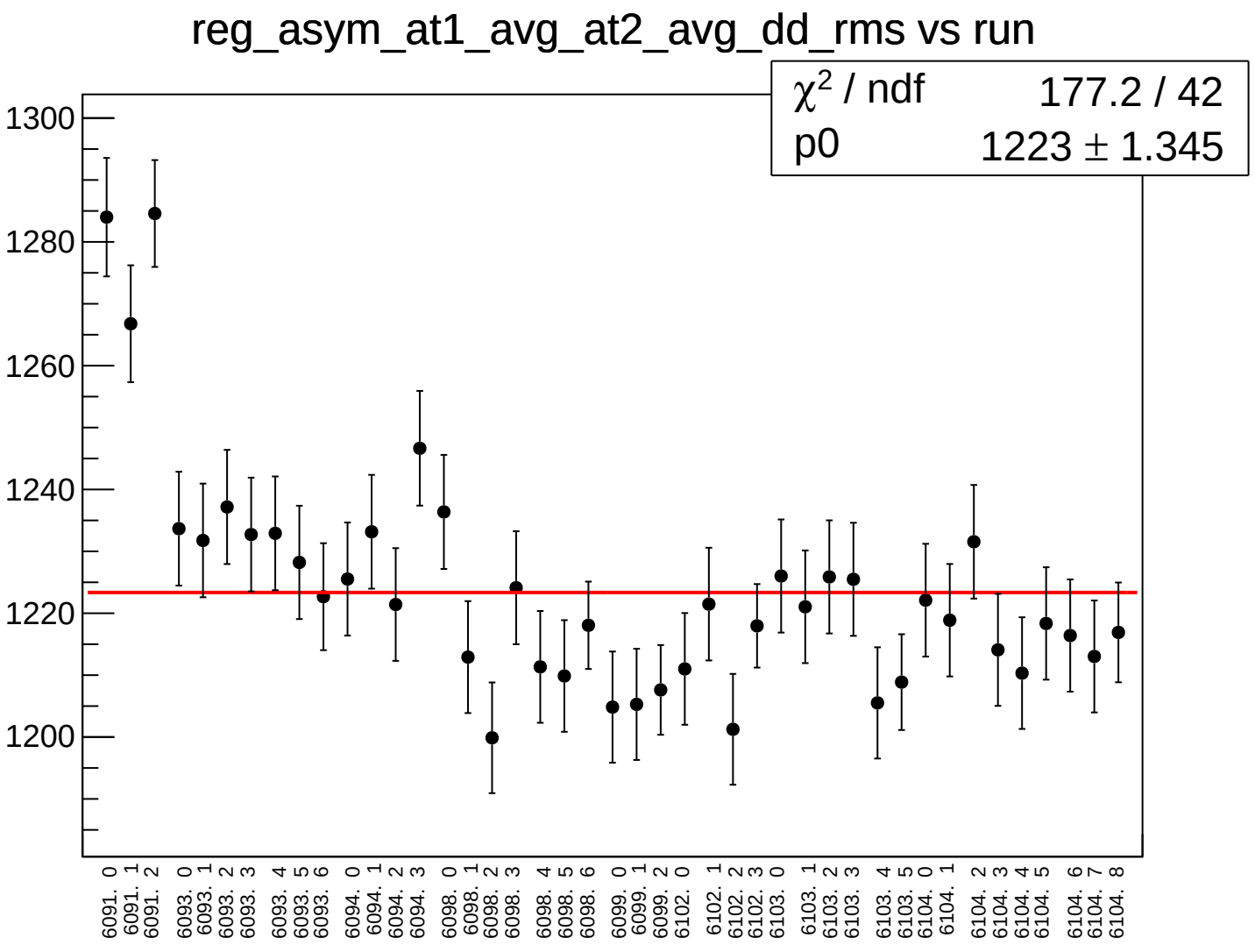

asym_atl_dd_atr_dd_dd_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 5.472e+04 / 42
p0 54.98 ± 0.06254
90
80
70
60
50
40
30
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

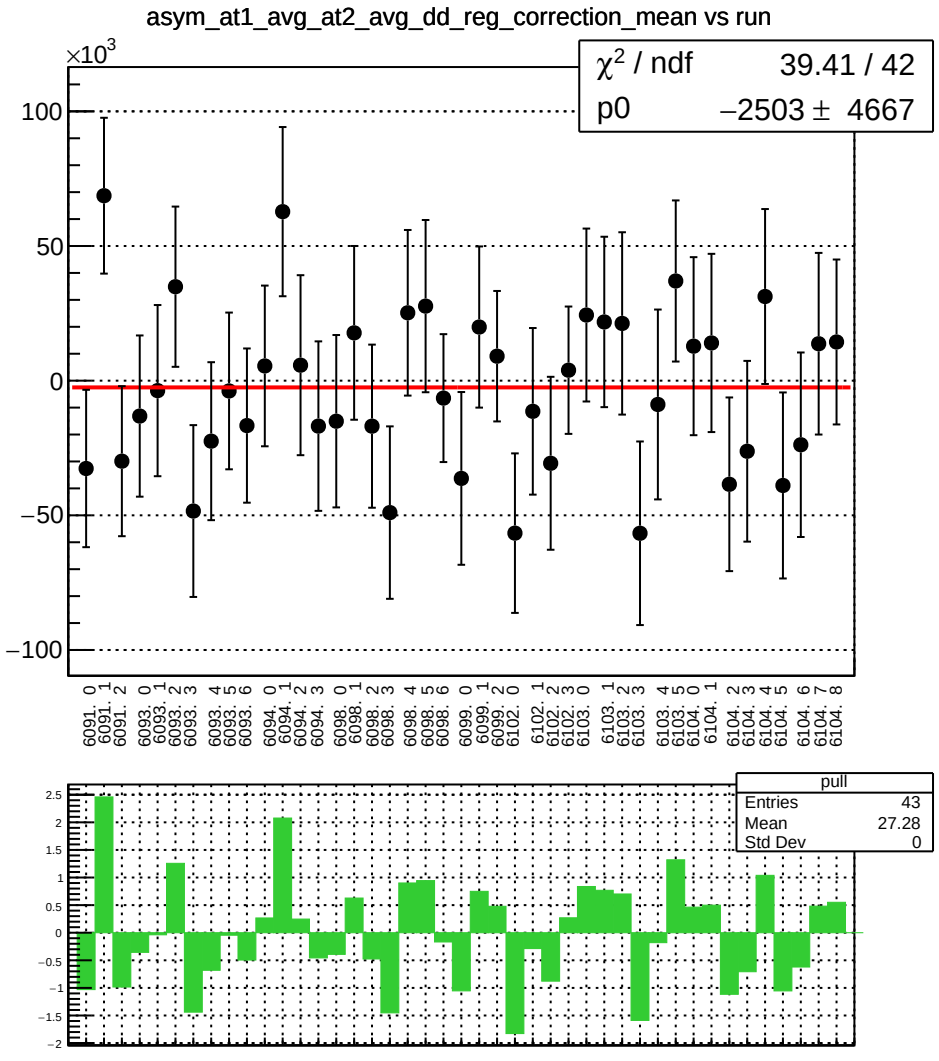

asym_atl_dd_atr_dd_dd_eigen_cor_vs_cor_diff_mean vs run
×10−12
χ2 / ndf 61.1 / 42
p0 −1.075e−14 ± 6.189e−14
pull
Entries 43
Mean −238.2
Std Dev 0
pull1D
Entries 43
Mean −0.005101
Std Dev 1.192

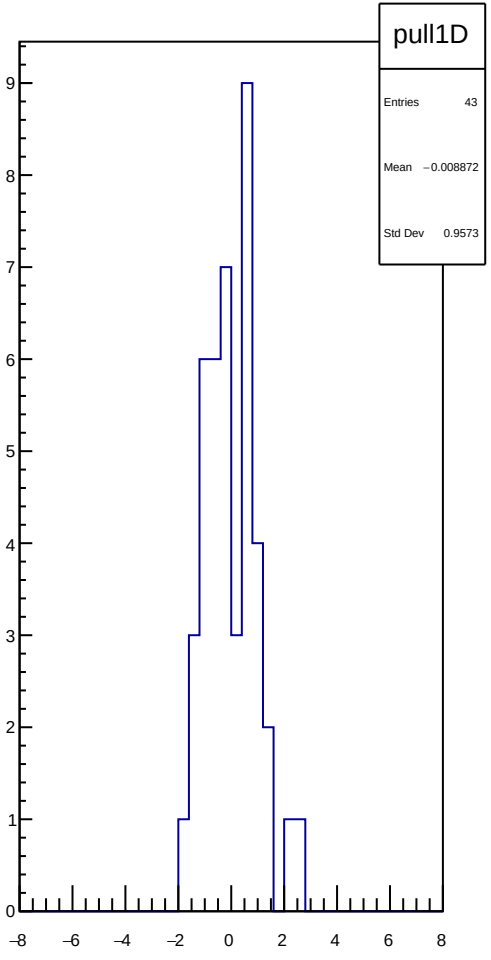

asym_atl_dd_atr_dd_dd_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 2.063e+05 / 42
p0 3.449e−11 ± 4.376e−14
0.25
0.2
0.15
0.1
0.05
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

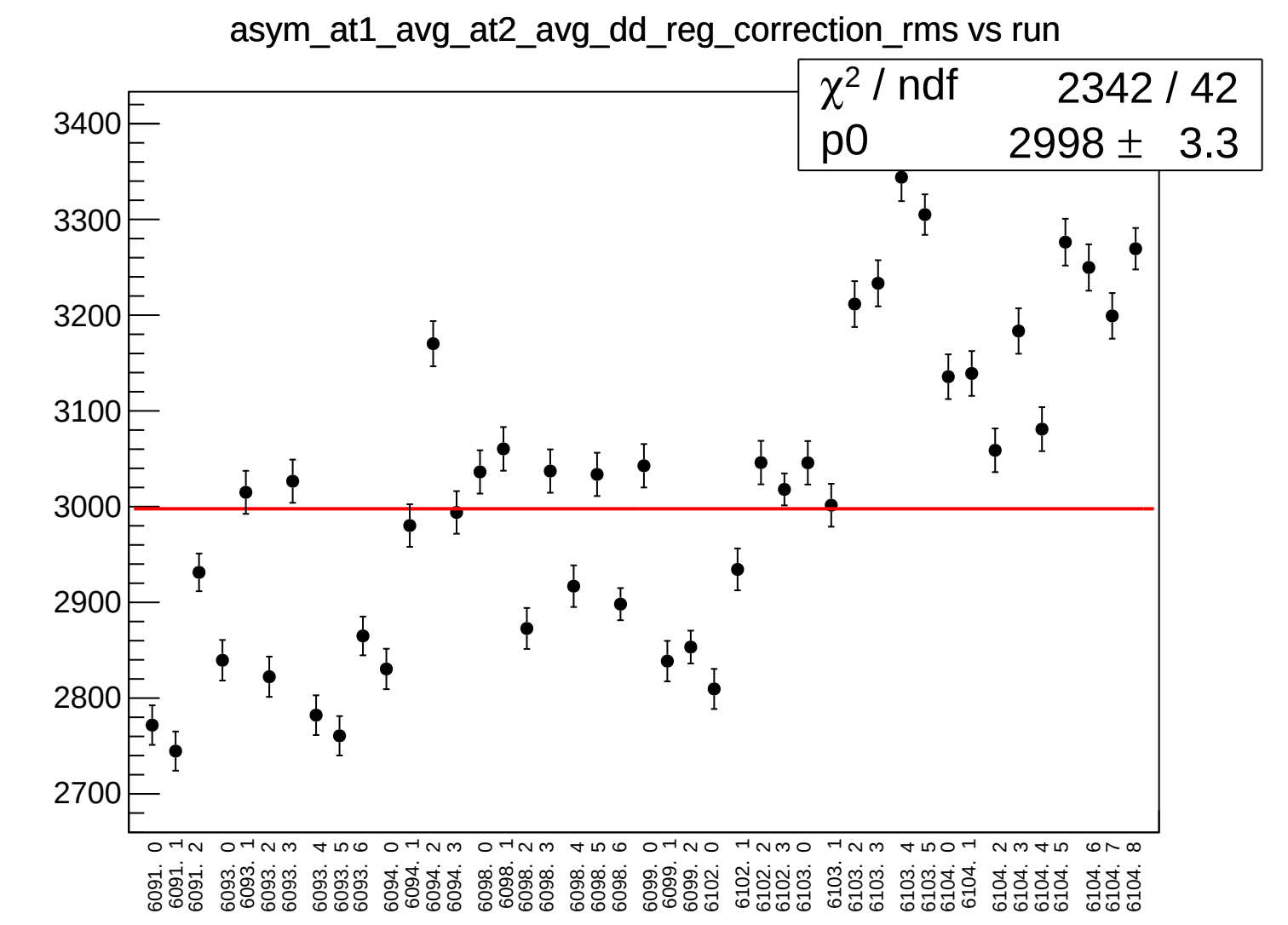

reg_asym_at1_avg_at2_avg_dd_mean vs run
χ² / ndf 31.04 / 42
p0 −447.4 ± 1902
40000
30000
20000
10000
0
−10000
−20000
−30000
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 47.36
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5

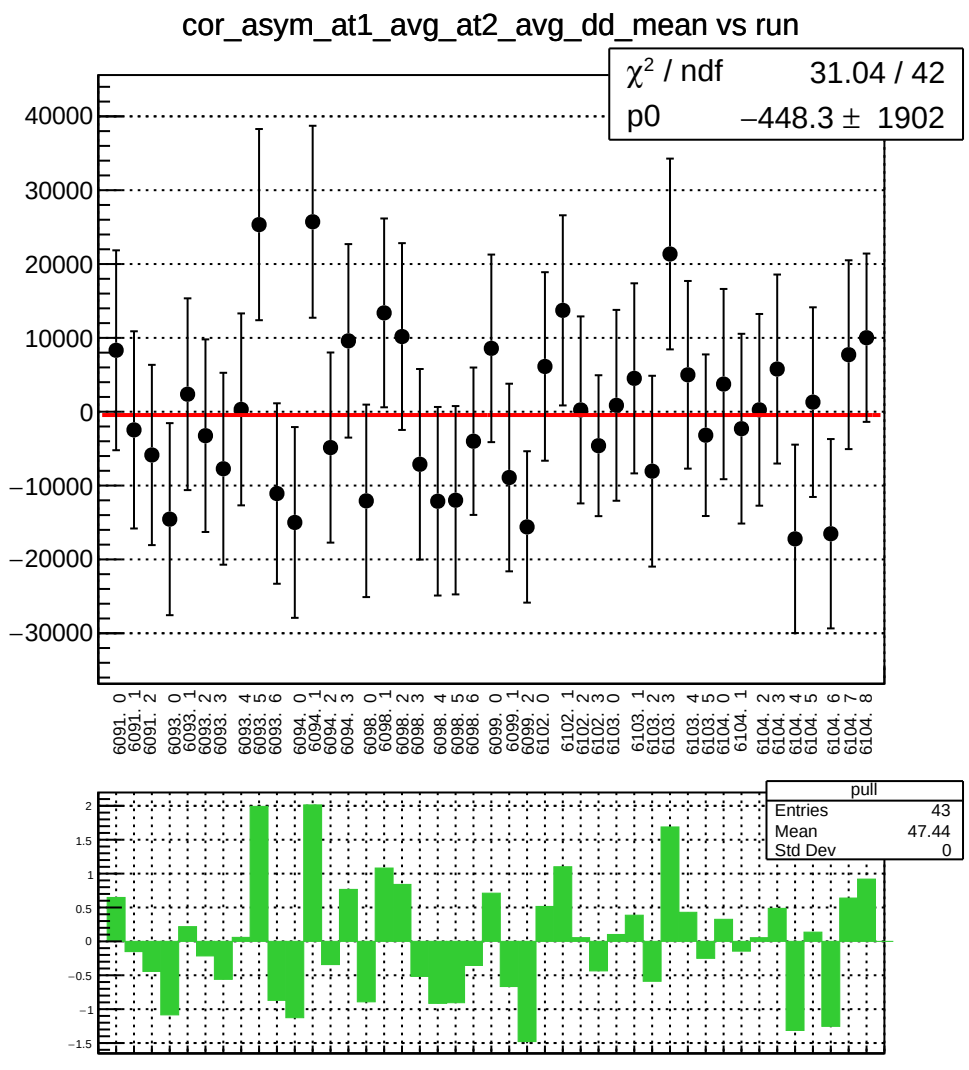

pull1D
Entries 43
Mean 0.01542
Std Dev 0.8495
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

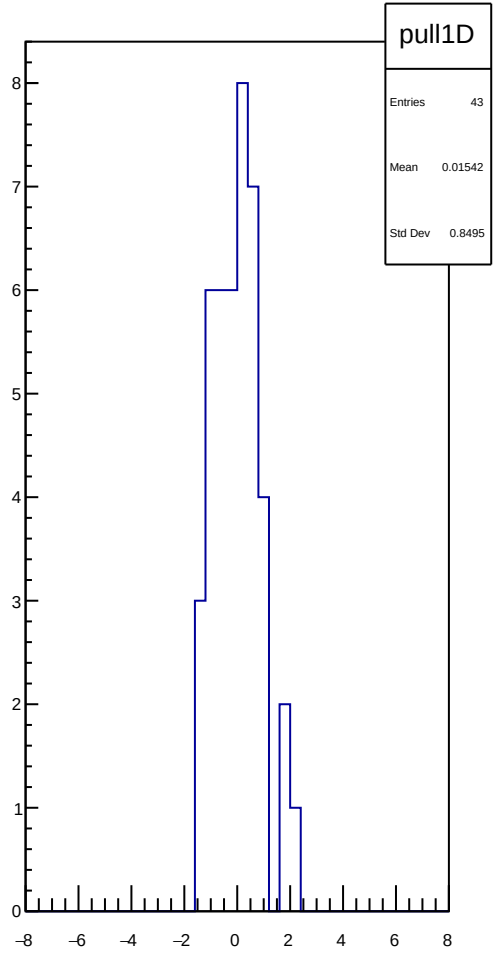

reg_asym_at1_avg_at2_avg_dd_rms vs run
χ² / ndf 177.2 / 42
p0 1223 ± 1.345
1300
1280
1260
1240
1220
1200
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

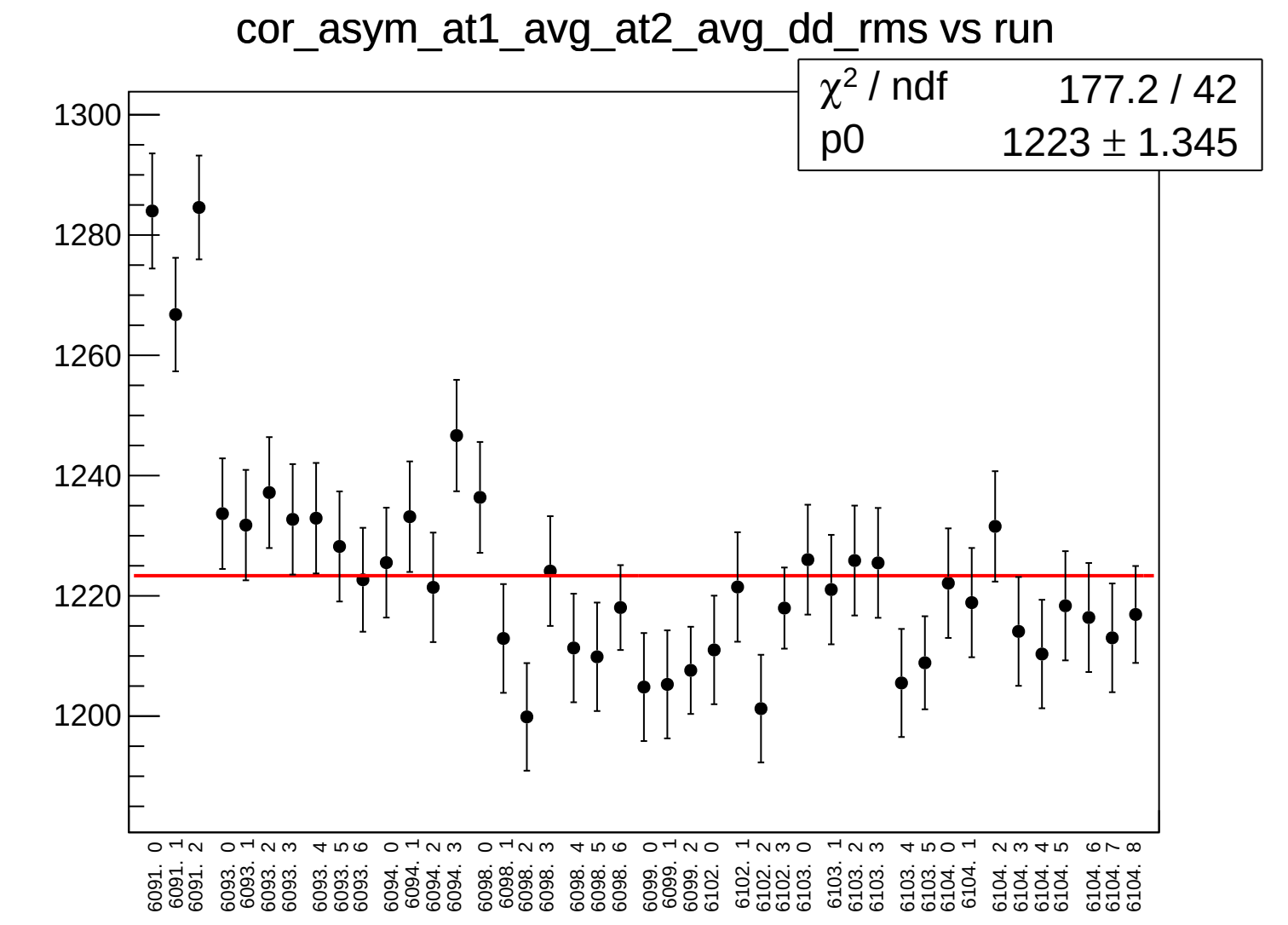

asym_at1_avg_at2_avg_dd_reg_correction_mean vs run
×10^3
χ² / ndf 39.41 / 42
p0 −2503 ± 4667
100
50
0
−50
−100
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 27.28
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

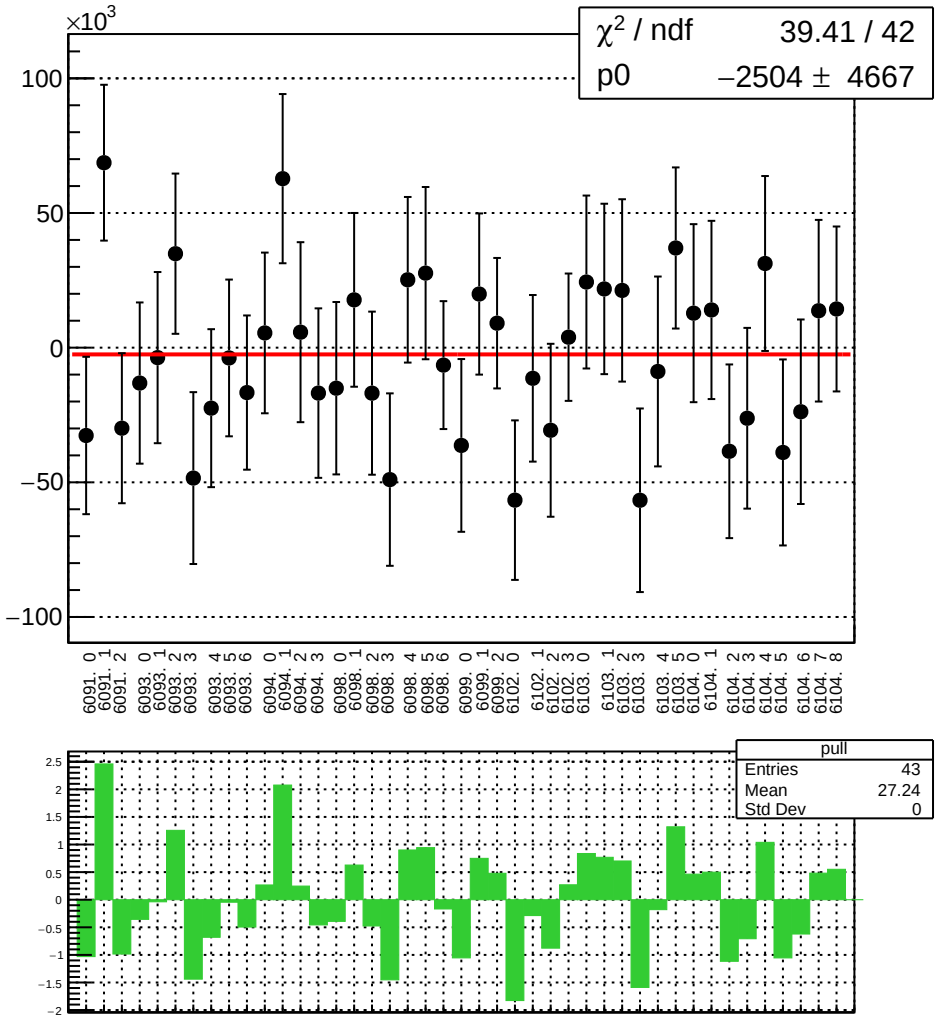

pull1D
Entries 43
Mean −0.008872
Std Dev 0.9573
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

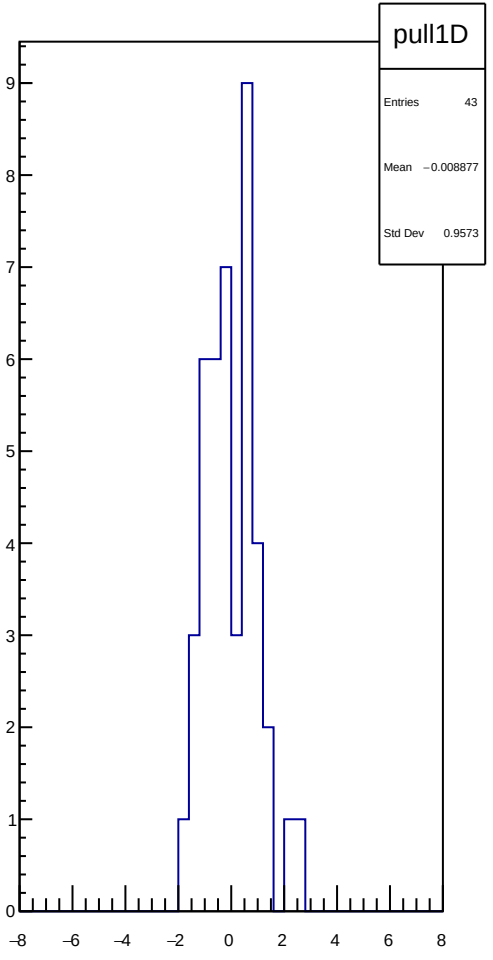

asym_at1_avg_at2_avg_dd_reg_correction_rms vs run
χ² / ndf 2342 / 42
p0 2998 ± 3.3
3400
3300
3200
3100
3000
2900
2800
2700
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

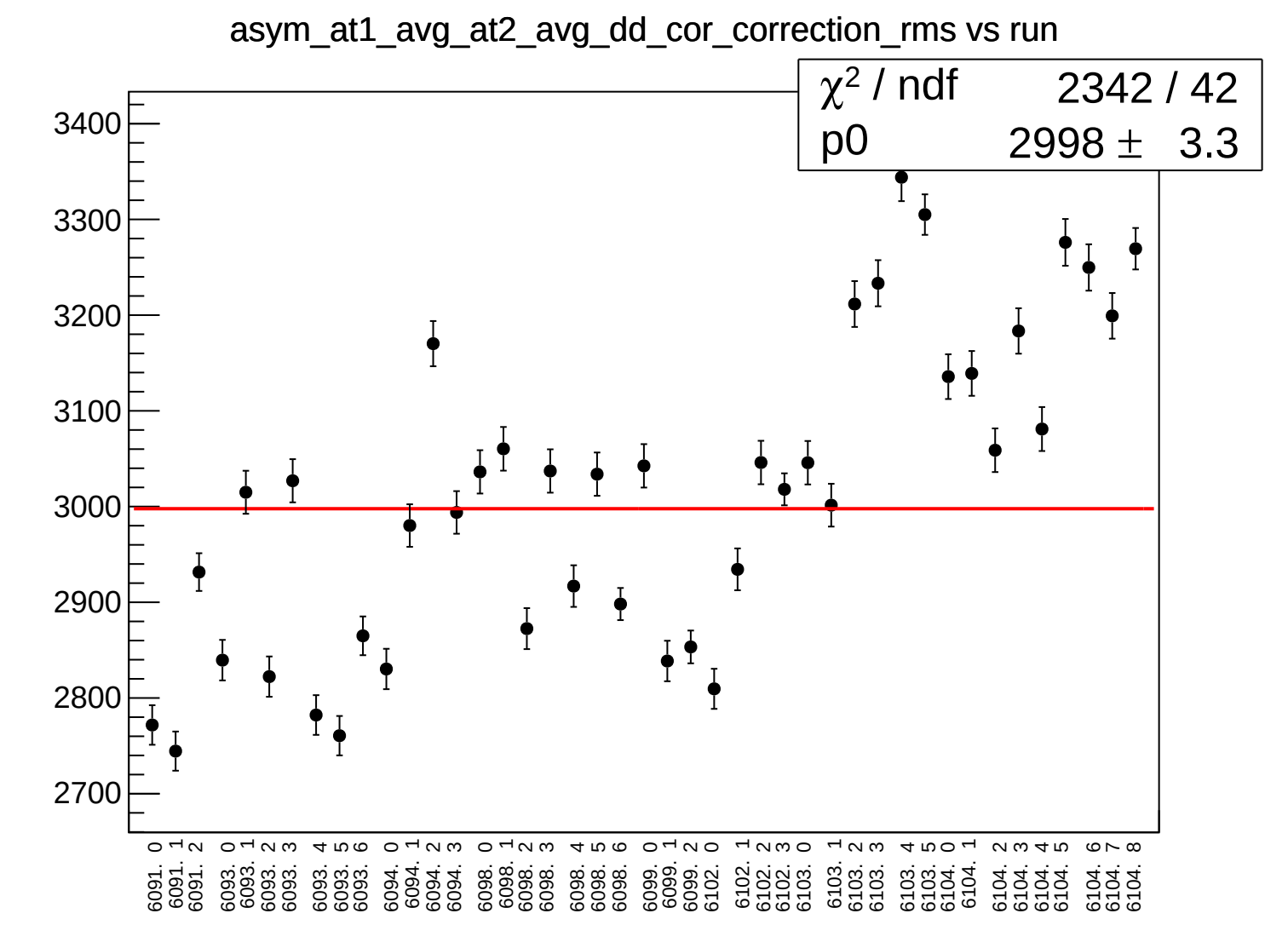

cor_asym_at1_avg_at2_avg_dd_mean vs run
χ² / ndf 31.04 / 42
p0 −448.3 ± 1902
40000
30000
20000
10000
0
−10000
−20000
−30000
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 47.44
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5

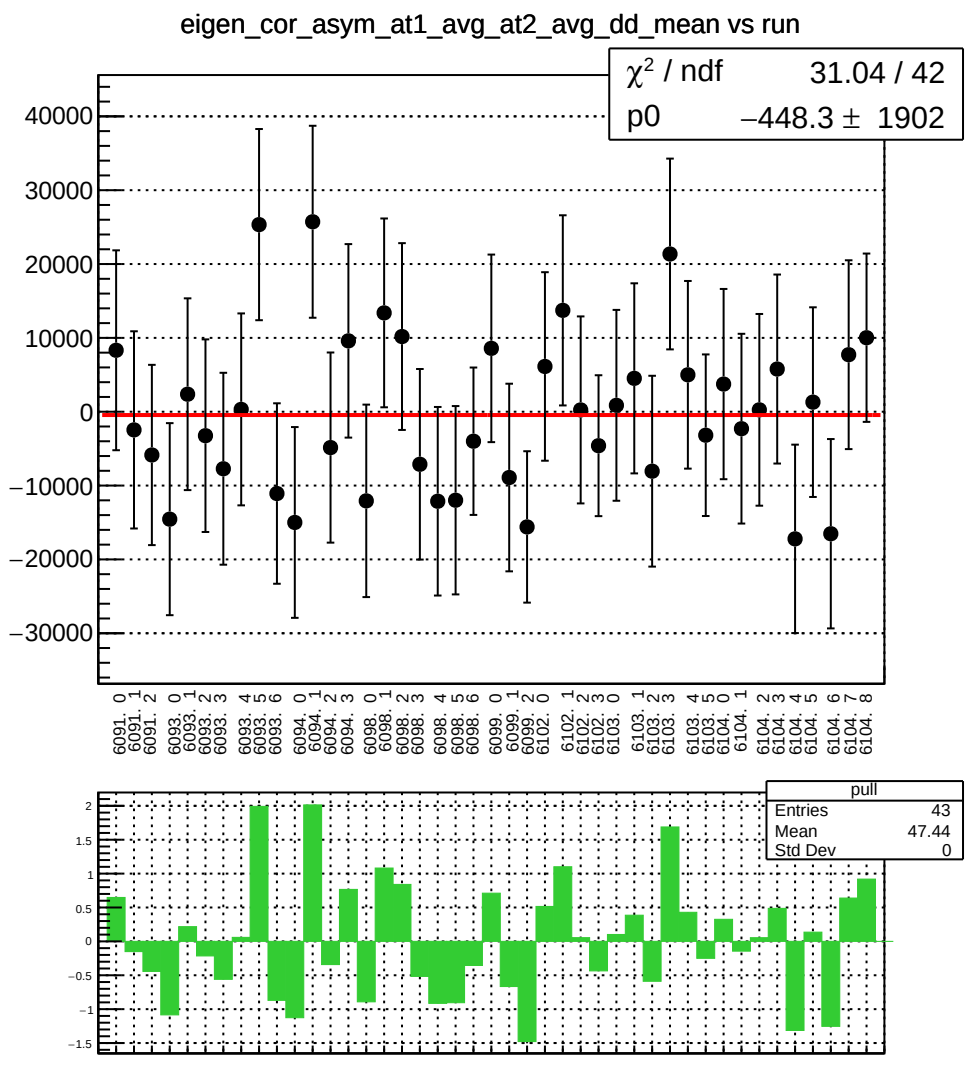

pull1D
Entries 43
Mean 0.01542
Std Dev 0.8495
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

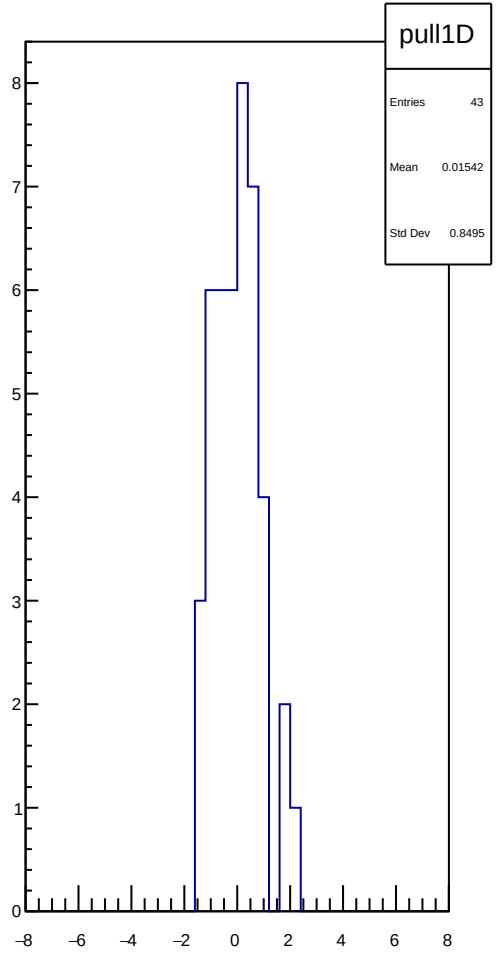

cor_asym_at1_avg_at2_avg_dd_rms vs run
χ² / ndf 177.2 / 42
p0 1223 ± 1.345
1300
1280
1260
1240
1220
1200
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

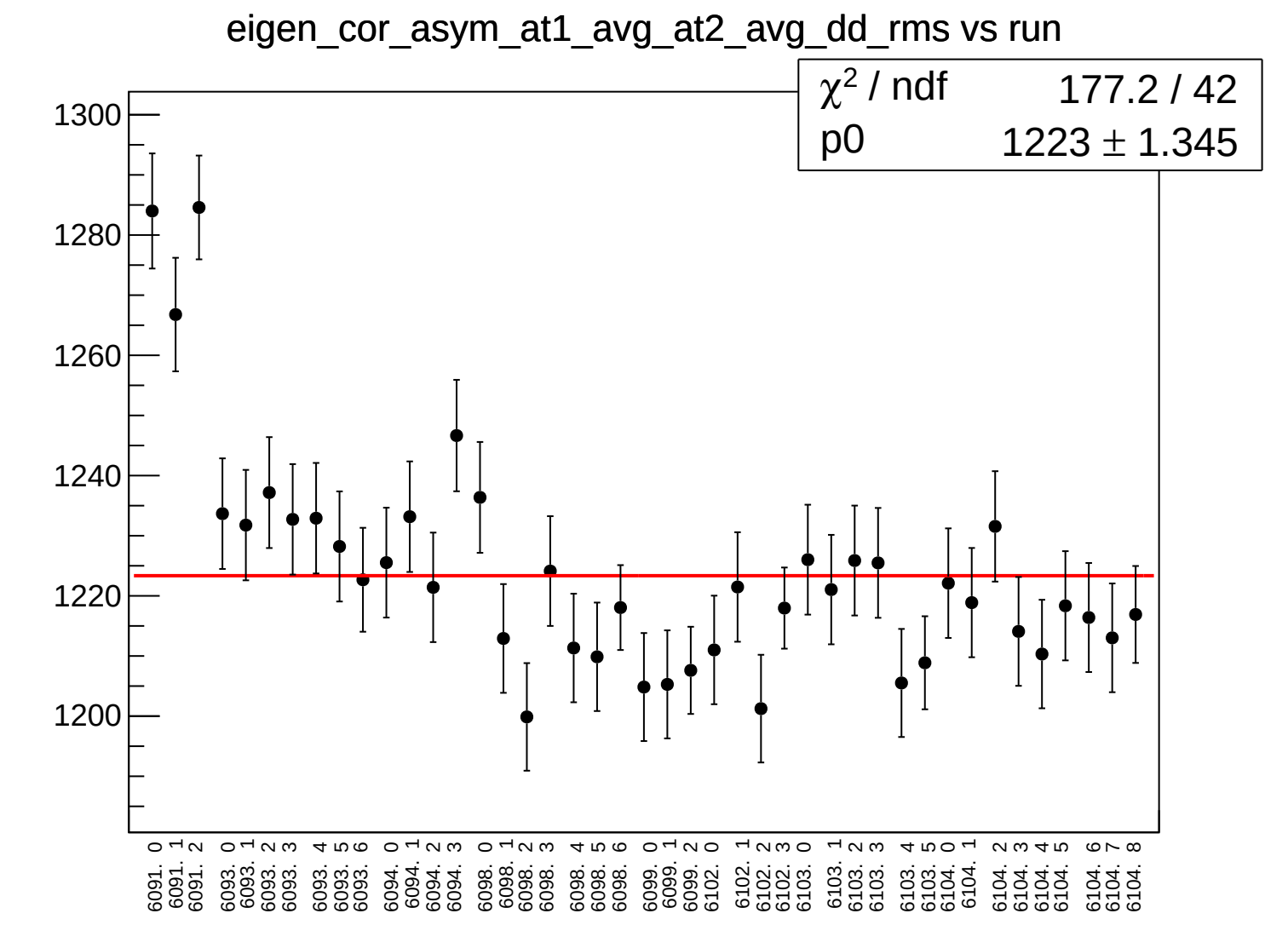

asym_at1_avg_at2_avg_dd_cor_correction_mean vs run
×10^3
χ² / ndf 39.41 / 42
p0 −2504 ± 4667
100
50
0
−50
−100
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 27.24
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

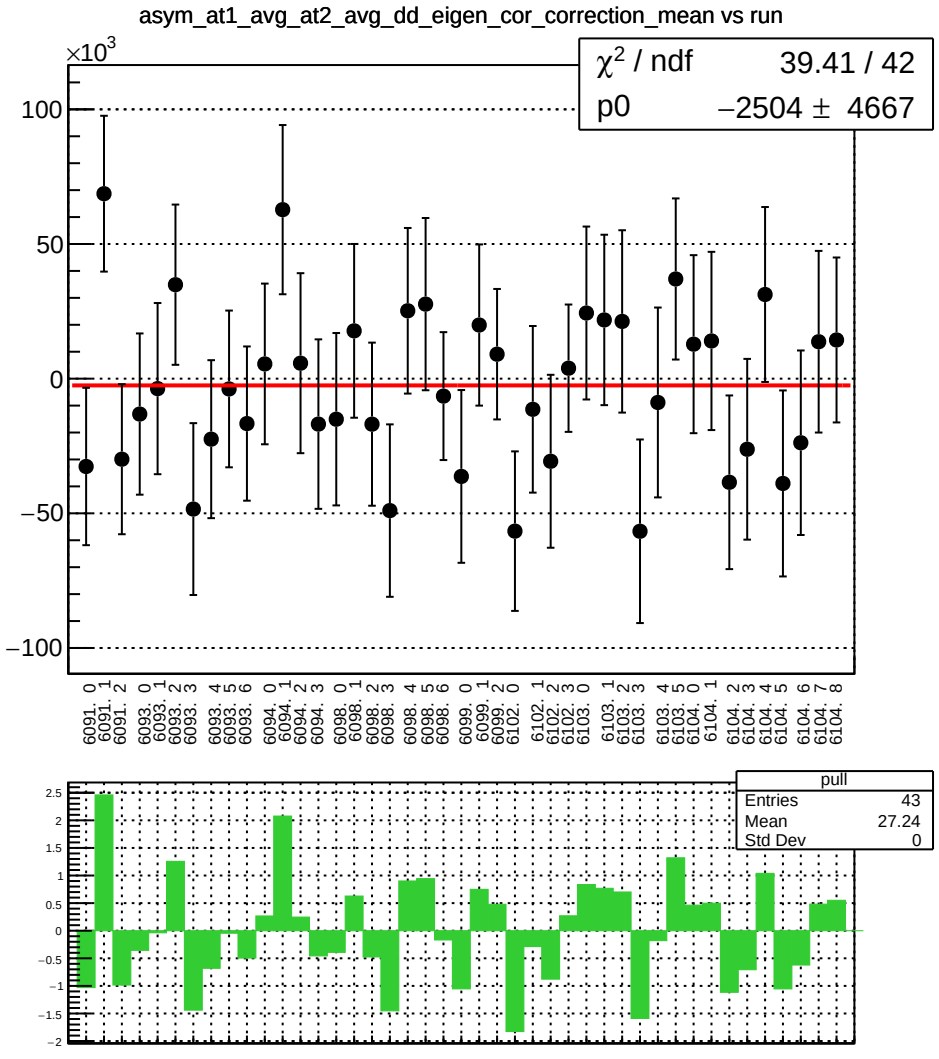

pull1D
Entries 43
Mean −0.008877
Std Dev 0.9573
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

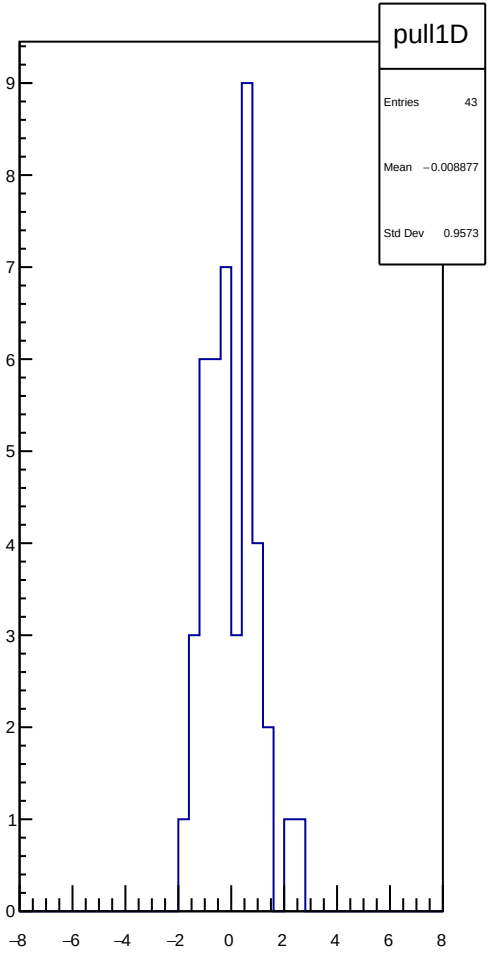

asym_at1_avg_at2_avg_dd_cor_correction_rms vs run
χ² / ndf 2342 / 42
p0 2998 ± 3.3
3400
3300
3200
3100
3000
2900
2800
2700
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

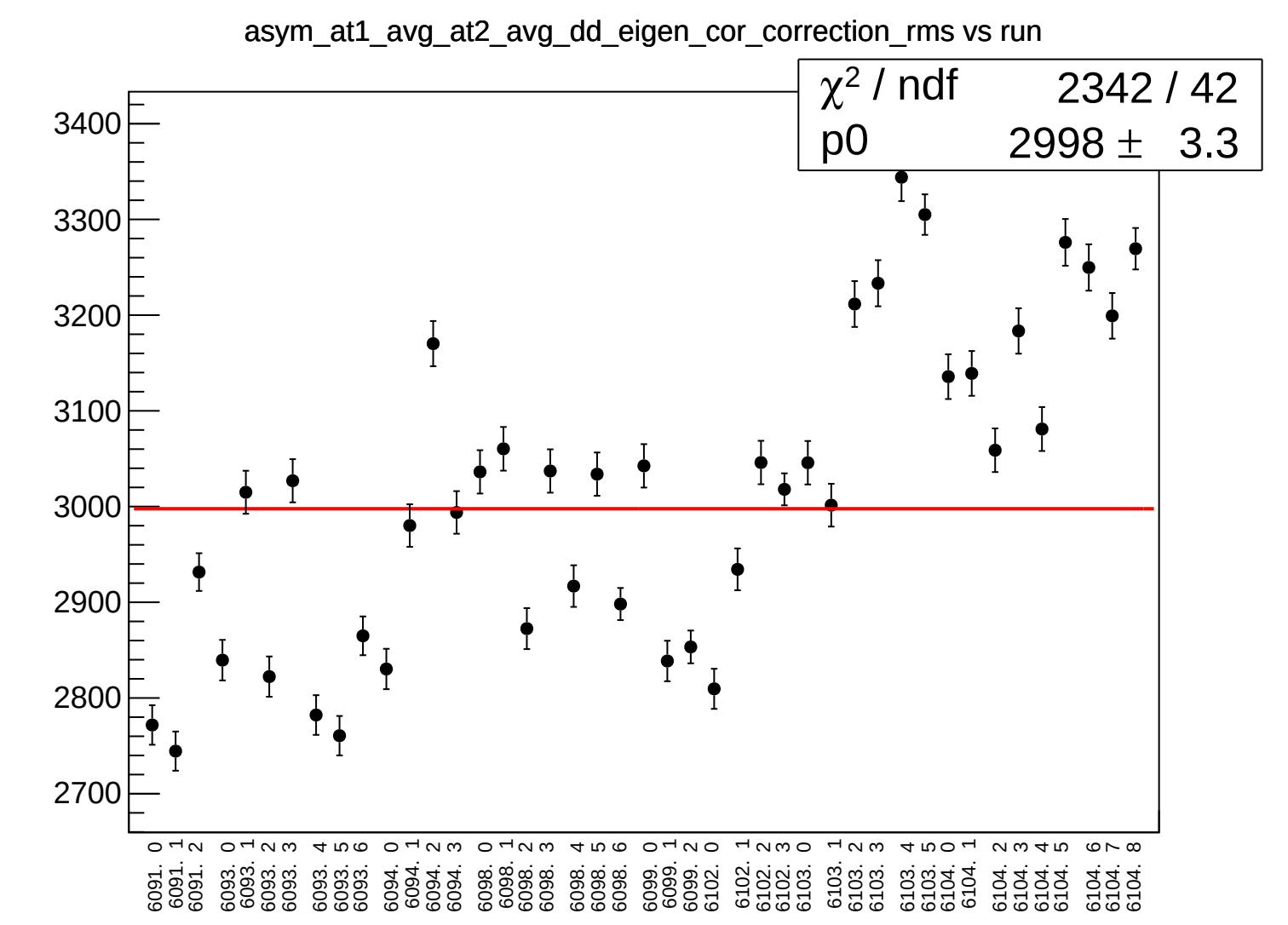

eigen_cor_asym_at1_avg_at2_avg_dd_mean vs run
χ² / ndf 31.04 / 42
p0 −448.3 ± 1902
40000
30000
20000
10000
0
−10000
−20000
−30000
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 47.44
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5

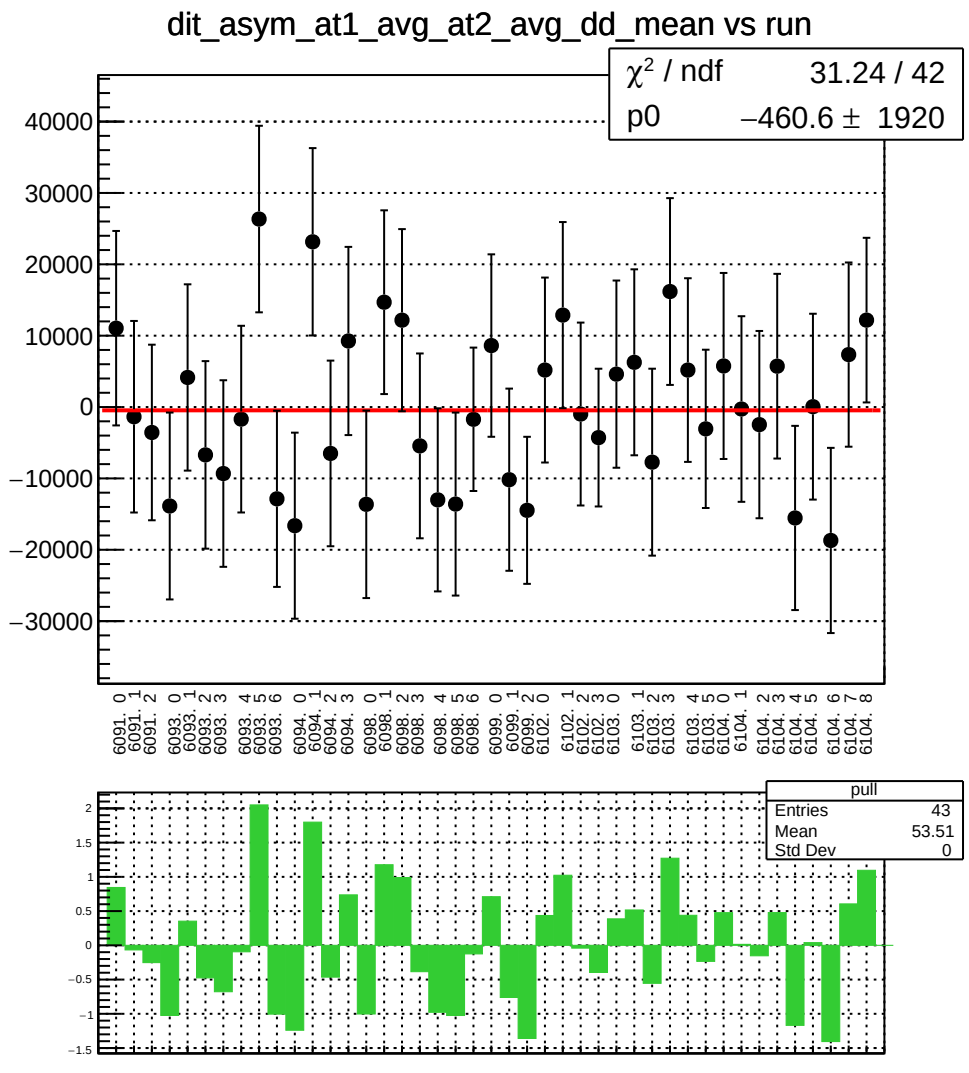

pull1D
Entries 43
Mean 0.01542
Std Dev 0.8495
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

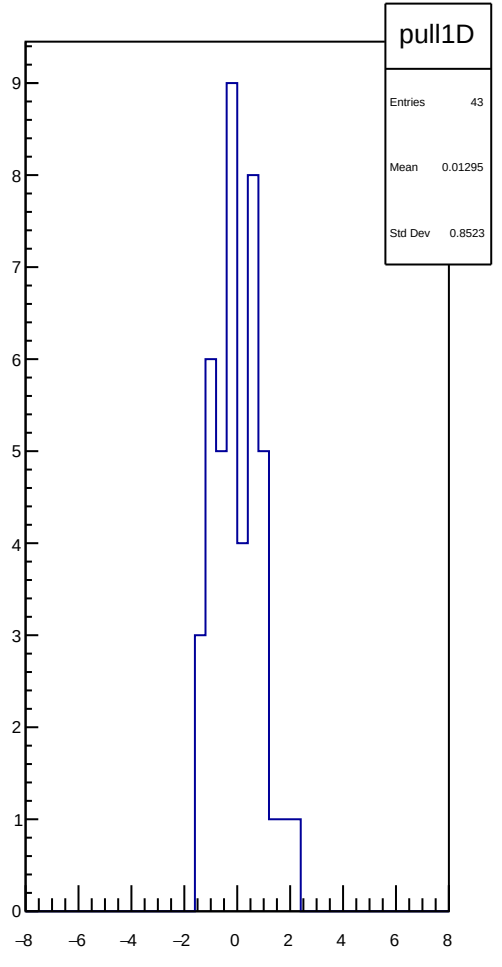

eigen_cor_asym_at1_avg_at2_avg_dd_rms vs run
χ² / ndf 177.2 / 42
p0 1223 ± 1.345
1300
1280
1260
1240
1220
1200
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

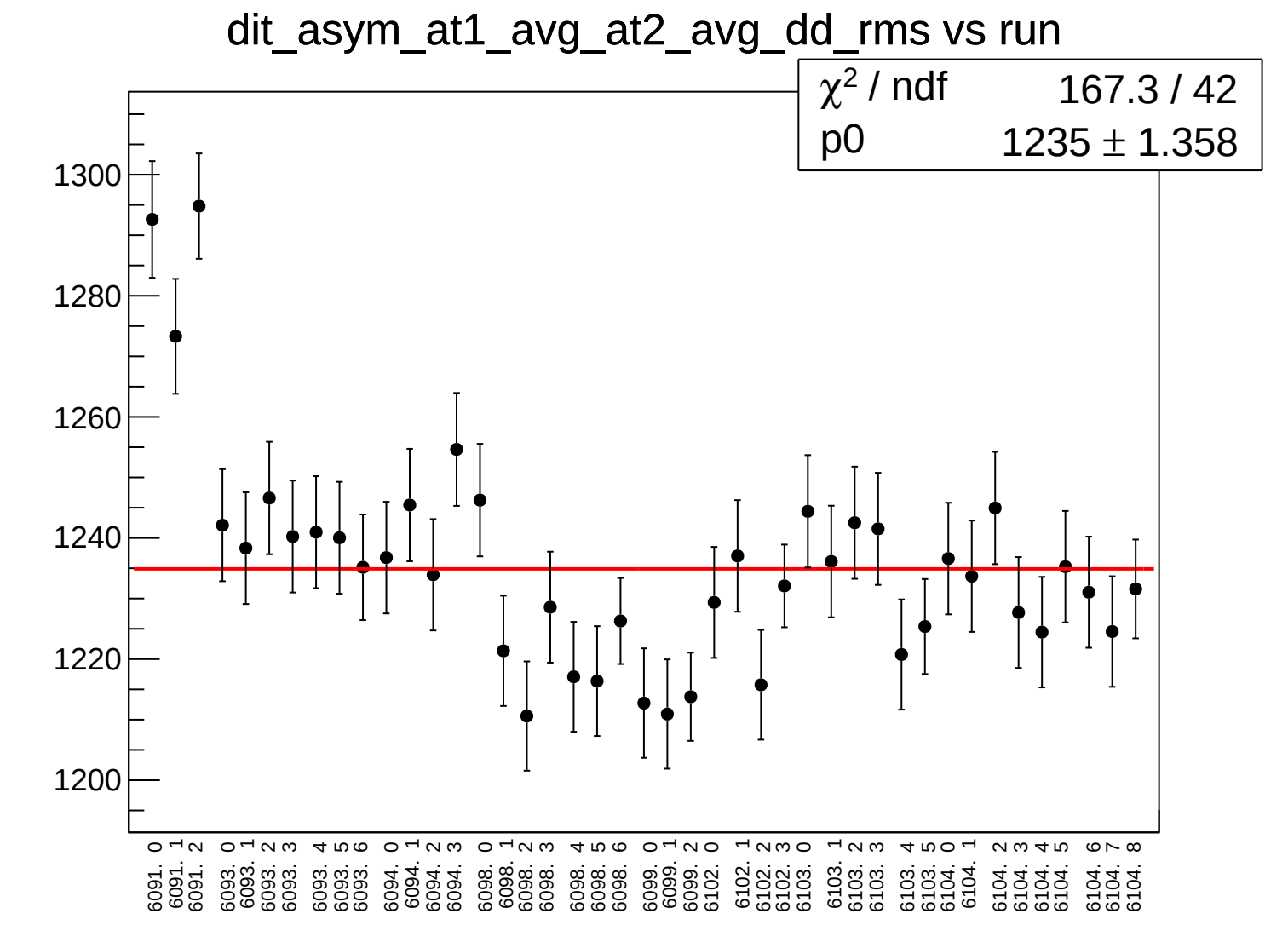

asym_at1_avg_at2_avg_dd_eigen_cor_correction_mean vs run
×10^3
χ² / ndf 39.41 / 42
p0 −2504 ± 4667
100
50
0
−50
−100
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 27.24
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2


pull1D
Entries 43
Mean −0.008877
Std Dev 0.9573
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

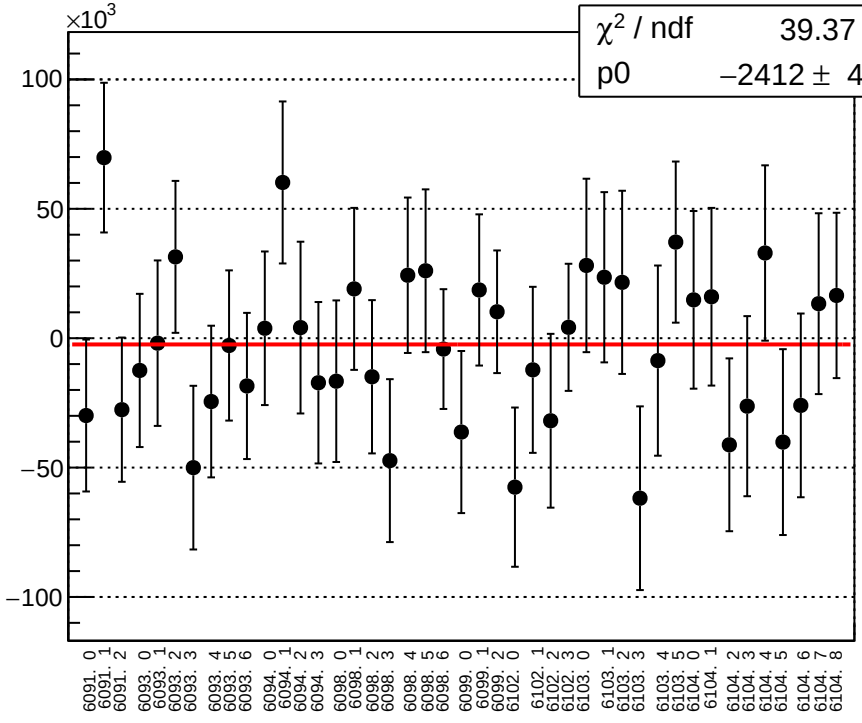

asym_at1_avg_at2_avg_dd_eigen_cor_correction_rms vs run
χ² / ndf 2342 / 42
p0 2998 ± 3.3
3400
3300
3200
3100
3000
2900
2800
2700
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

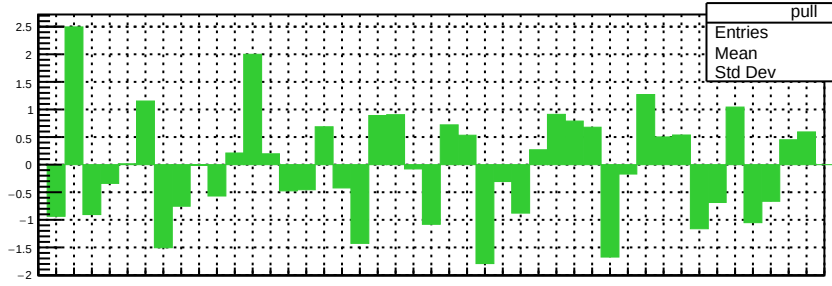

dit_asym_at1_avg_at2_avg_dd_mean vs run
χ² / ndf 31.24 / 42
p0 −460.6 ± 1920
40000
30000
20000
10000
0
−10000
−20000
−30000
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 53.51
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5

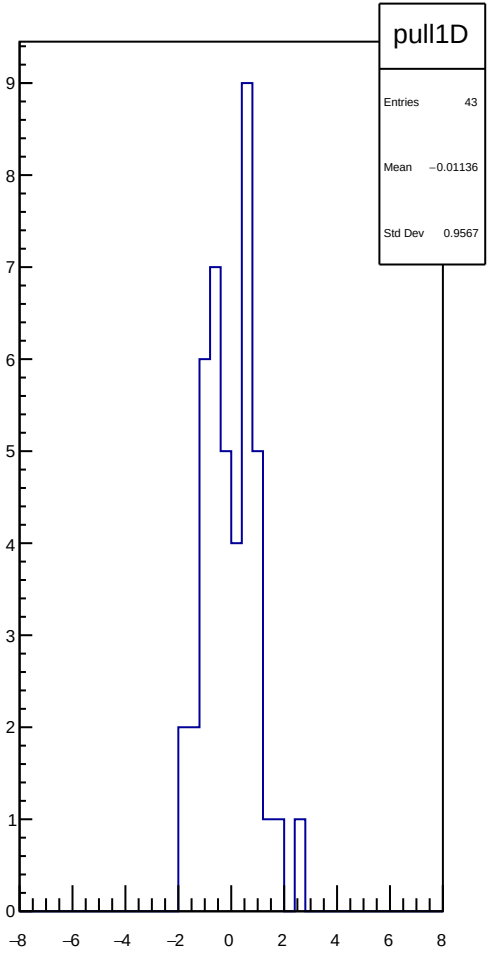

pull1D
Entries 43
Mean 0.01295
Std Dev 0.8523
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

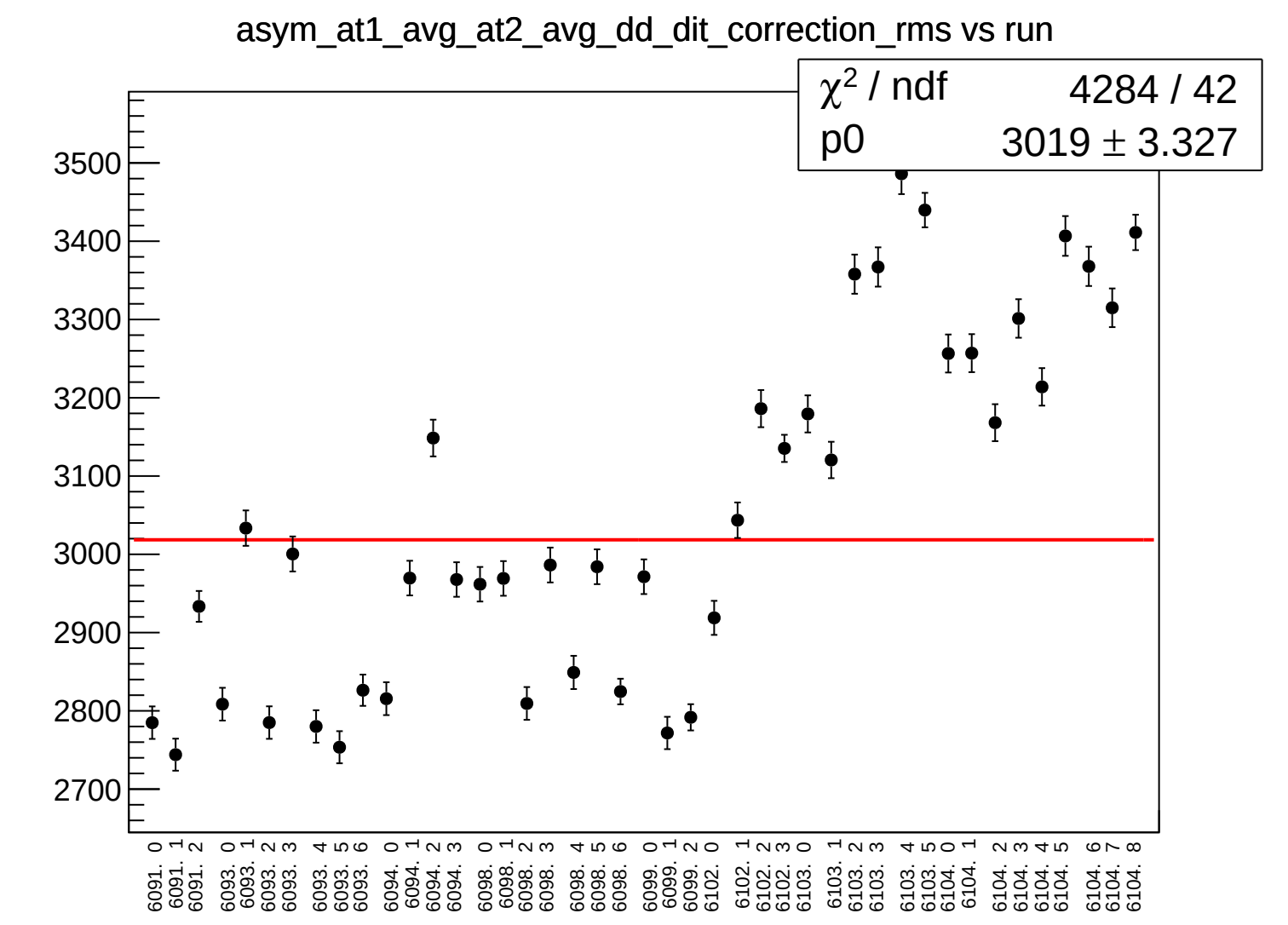

dit_asym_at1_avg_at2_avg_dd_rms vs run
χ² / ndf 167.3 / 42
p0 1235 ± 1.358
1300
1280
1260
1240
1220
1200
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

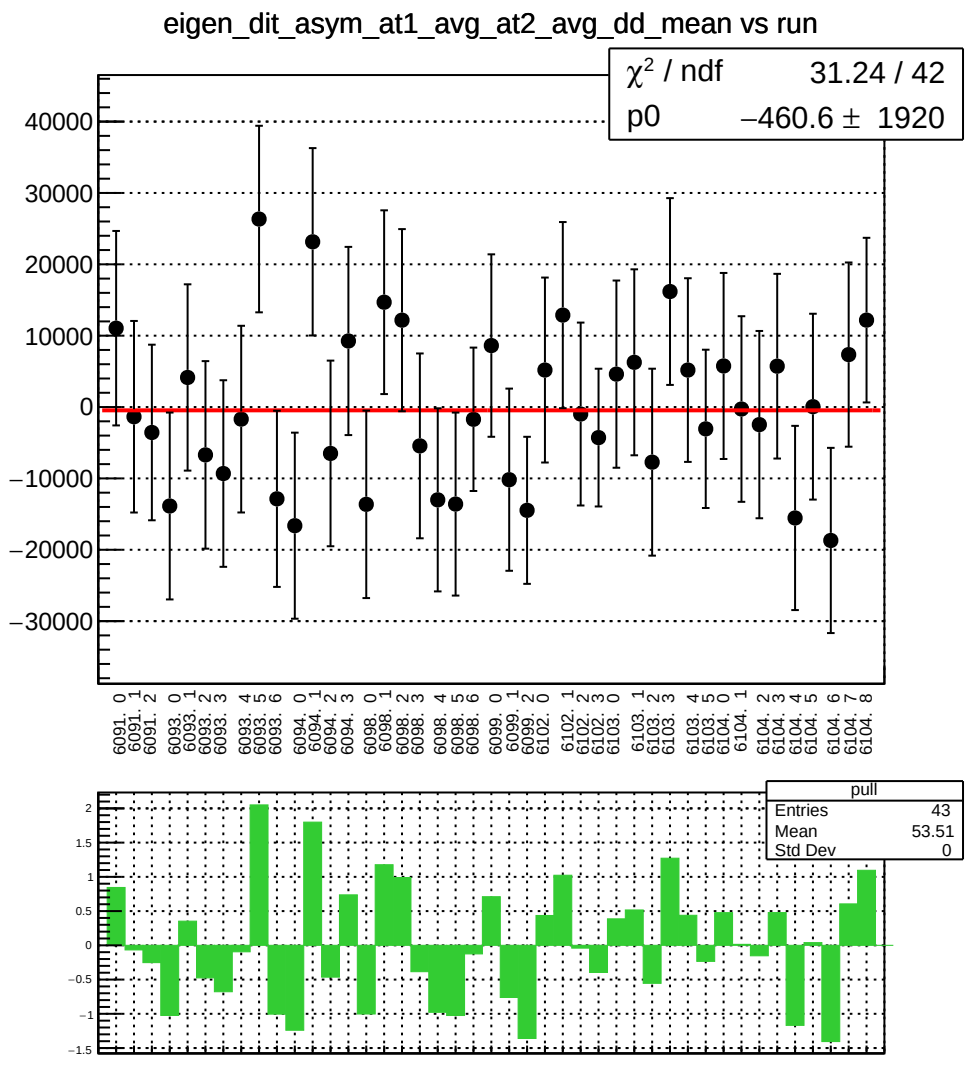
asym_at1_avg_at2_avg_dd_dit_correction_mean vs run

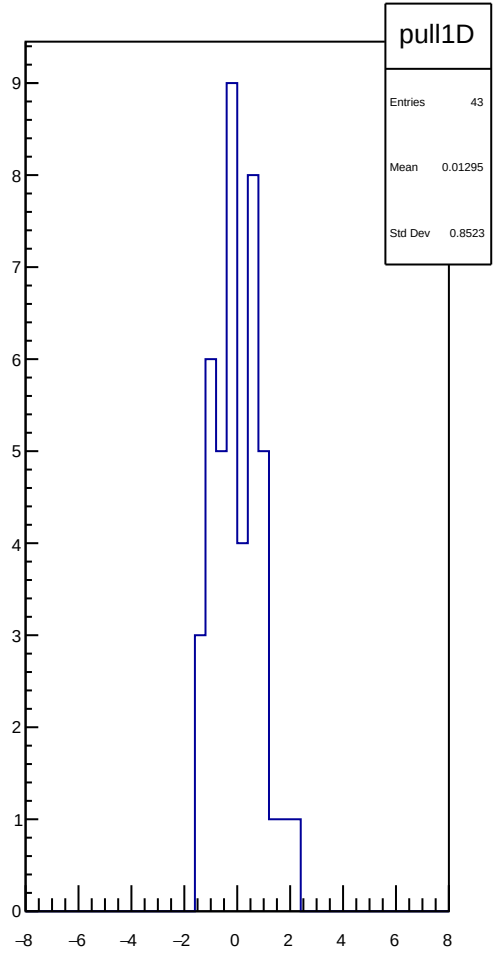


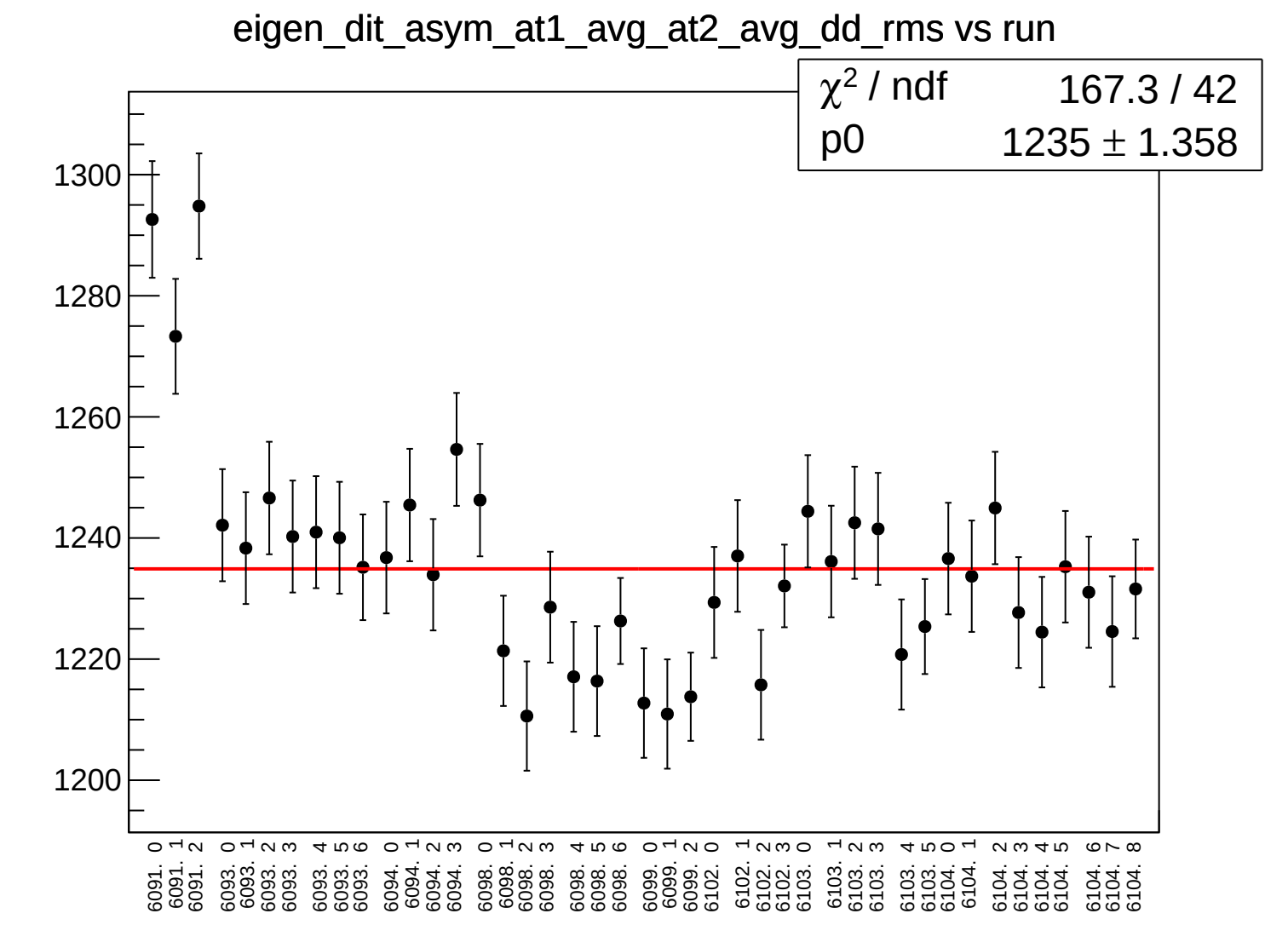


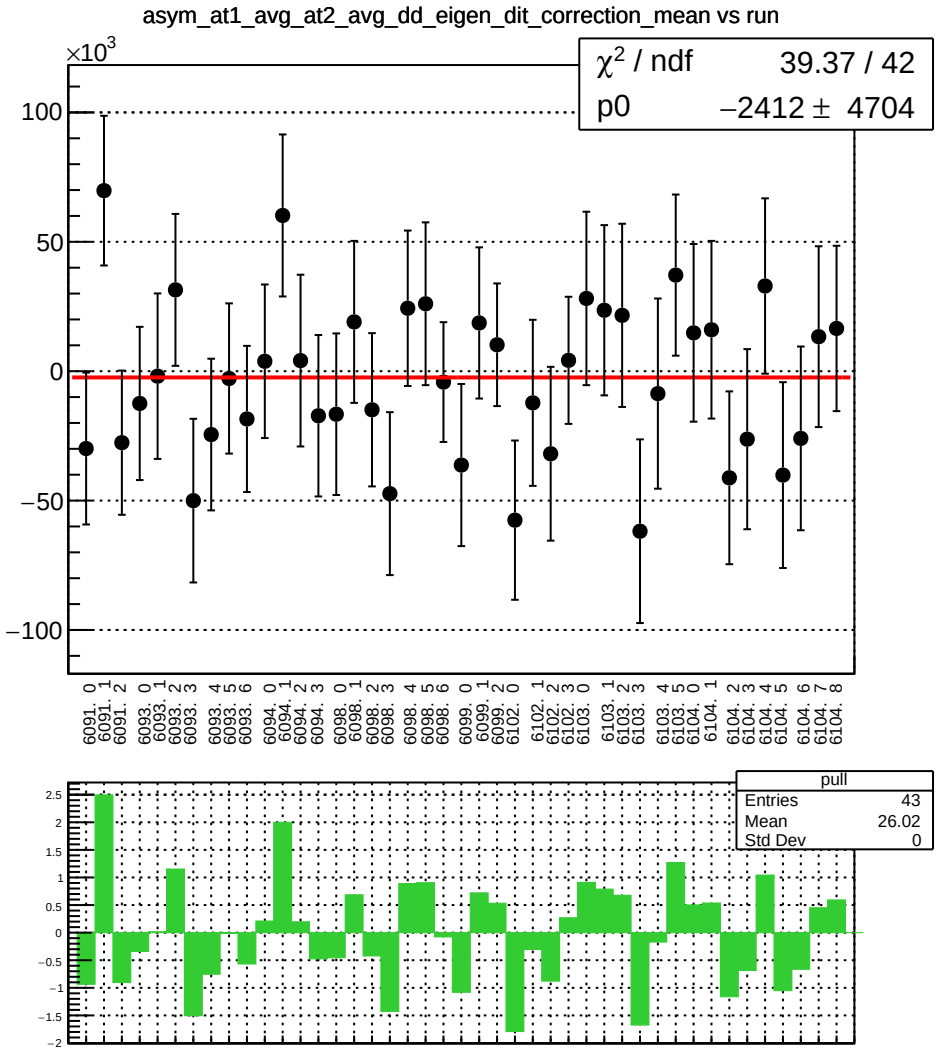


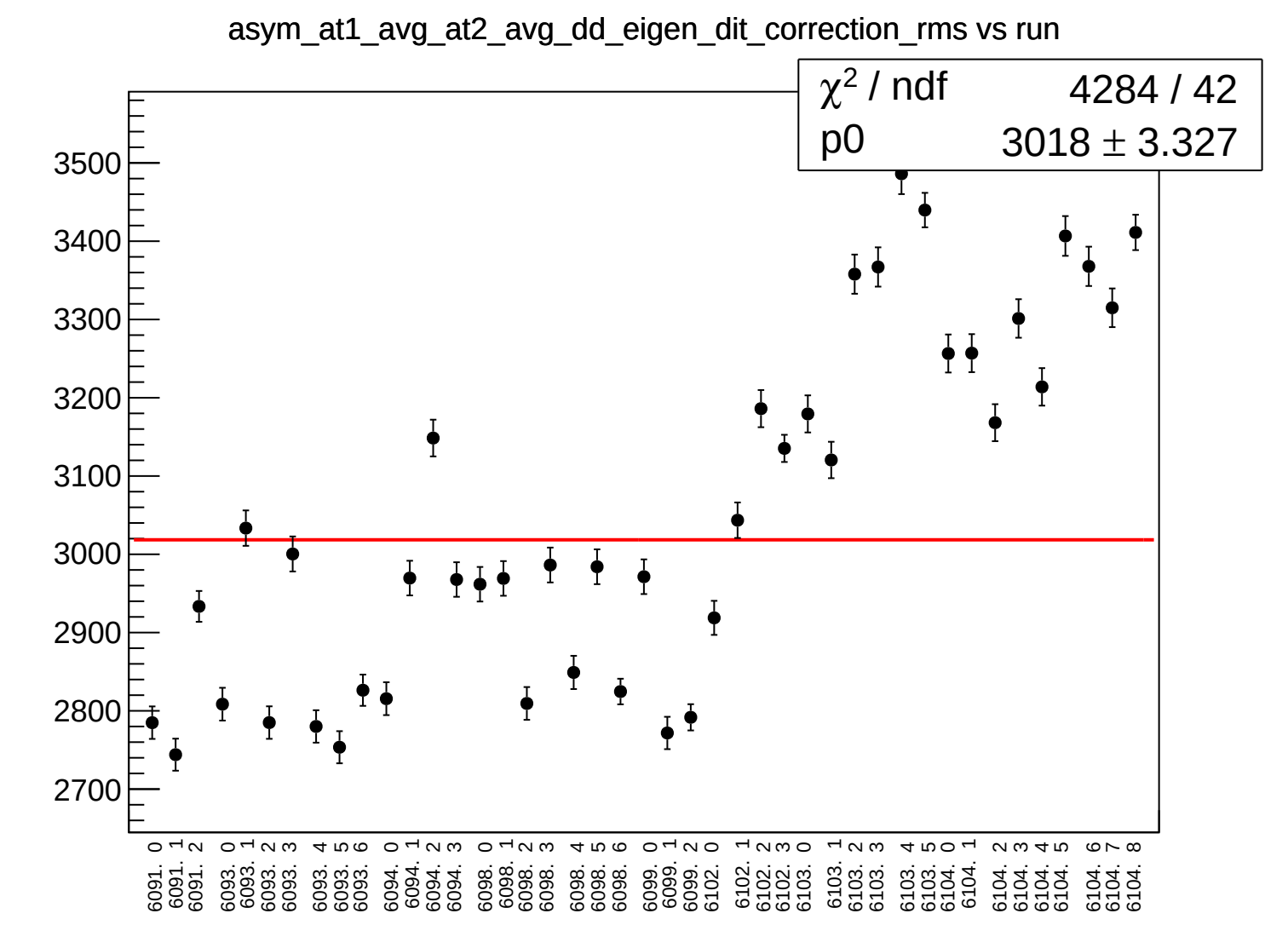

asym_at1_avg_at2_avg_dd_dit_correction_rms vs run
χ² / ndf 4284 / 42
p0 3019 ± 3.327
3500
3400
3300
3200
3100
3000
2900
2800
2700
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

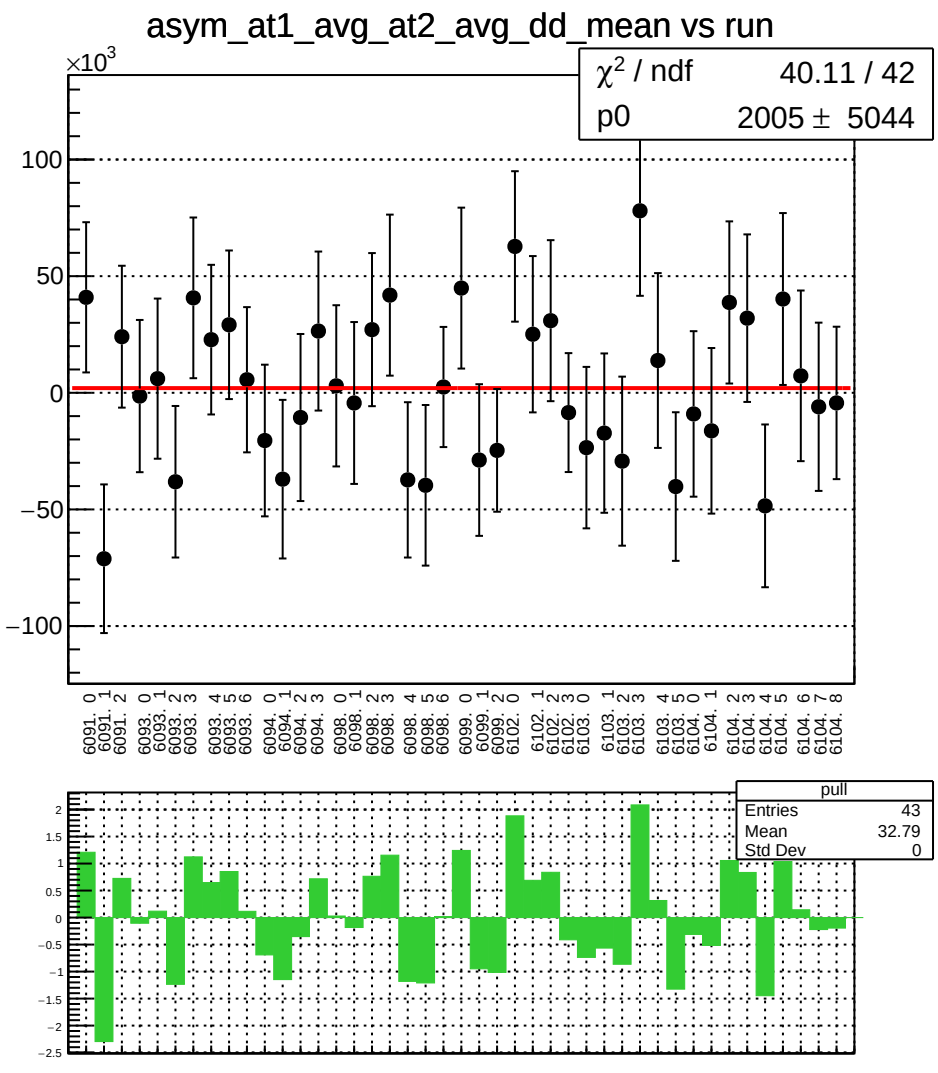

eigen_dit_asym_at1_avg_at2_avg_dd_mean vs run
χ² / ndf 31.24 / 42
p0 −460.6 ± 1920
40000
30000
20000
10000
0
−10000
−20000
−30000
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 53.51
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5

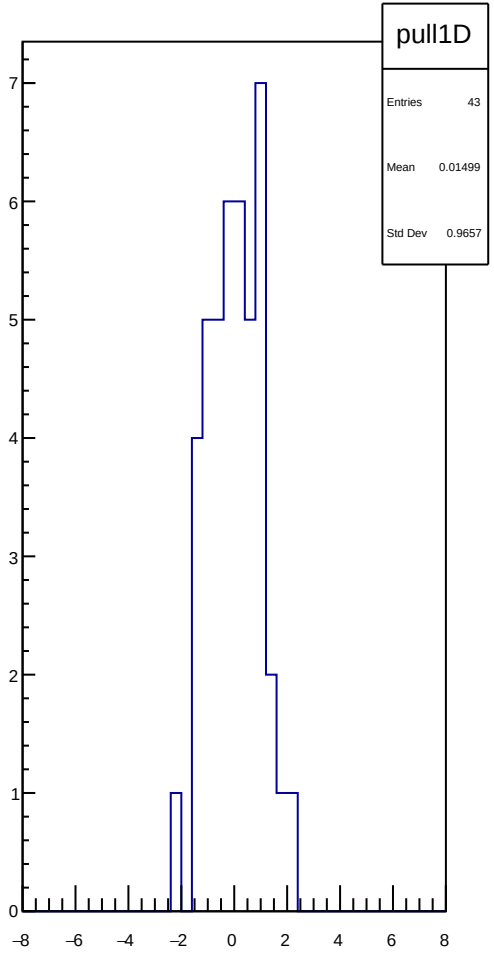

pull1D
Entries 43
Mean 0.01295
Std Dev 0.8523
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

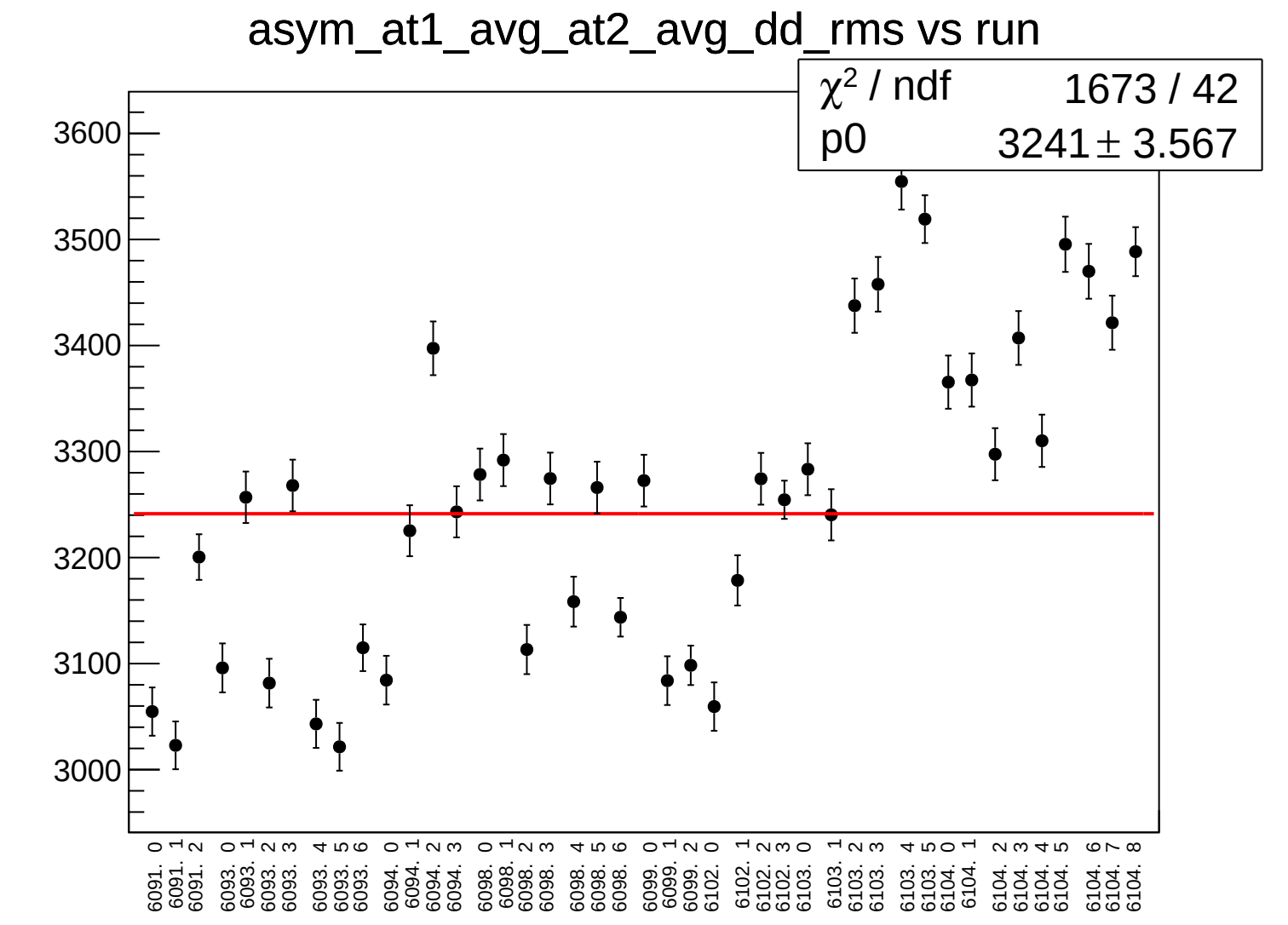

eigen_dit_asym_at1_avg_at2_avg_dd_rms vs run
χ² / ndf 167.3 / 42
p0 1235 ± 1.358
1300
1280
1260
1240
1220
1200
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

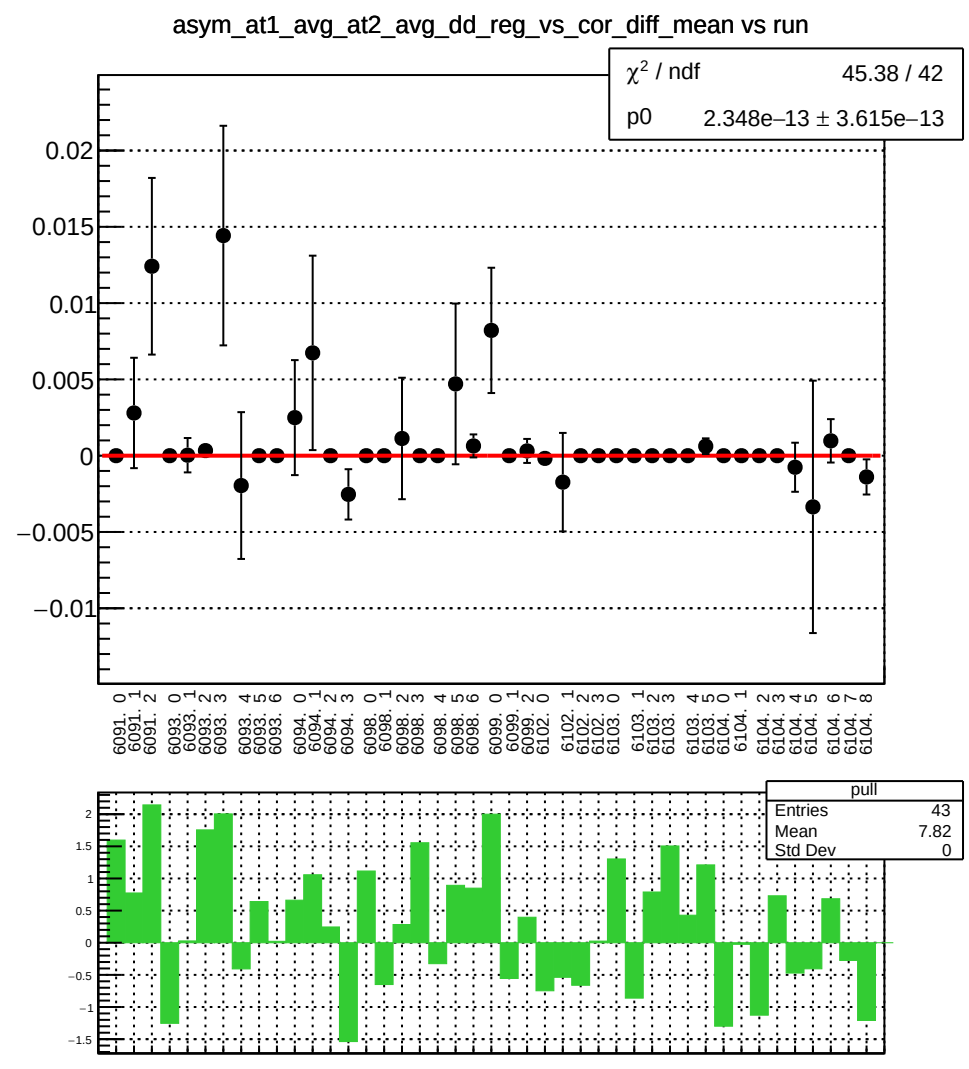

asym_at1_avg_at2_avg_dd_eigen_dit_correction_mean vs run
×10^3
χ² / ndf 39.37 / 42
p0 −2412 ± 4704
100
50
0
−50
−100
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 26.02
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 43
Mean −0.01136
Std Dev 0.9567
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

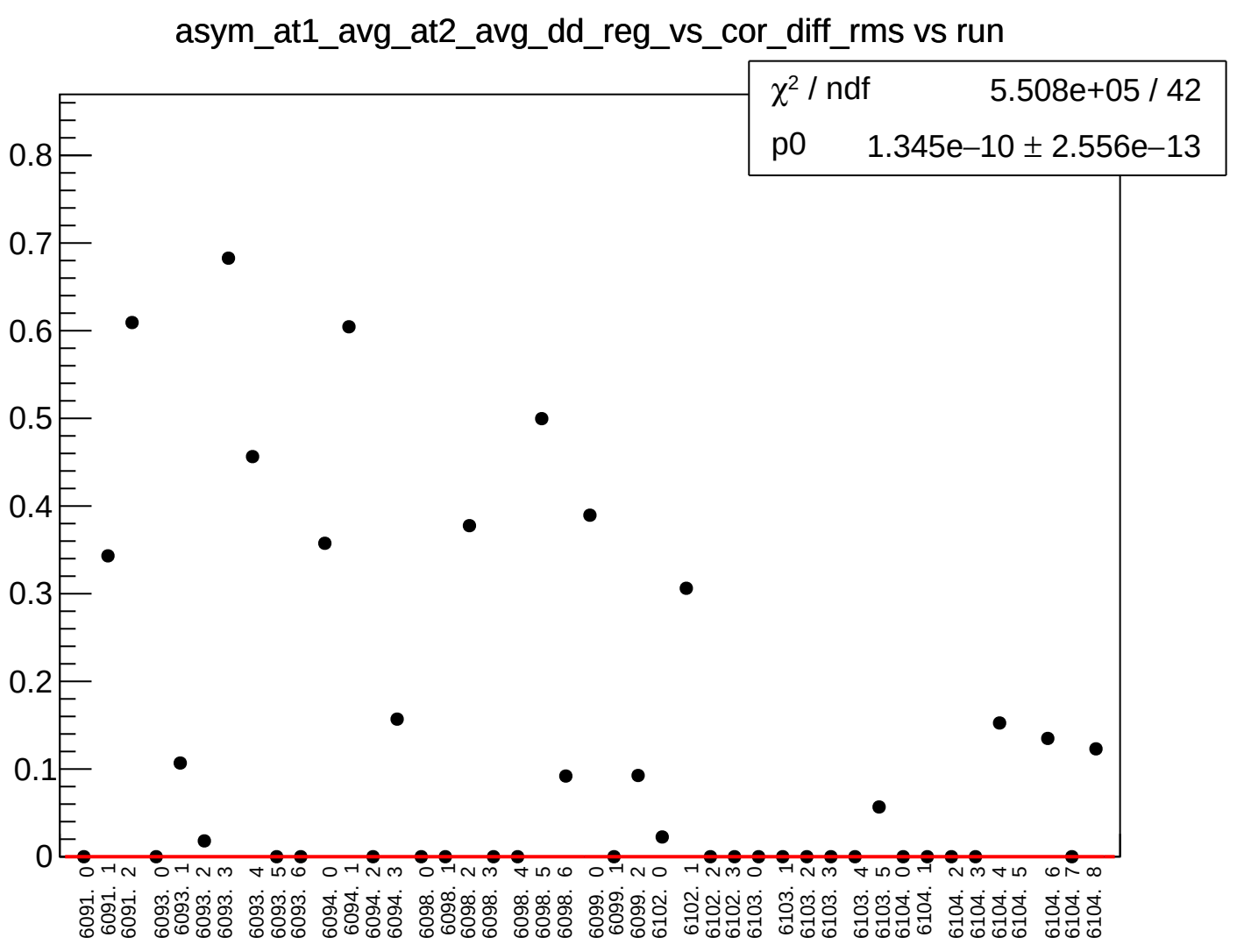

asym_at1_avg_at2_avg_dd_eigen_dit_correction_rms vs run
χ² / ndf 4284 / 42
p0 3018 ± 3.327
3500
3400
3300
3200
3100
3000
2900
2800
2700
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

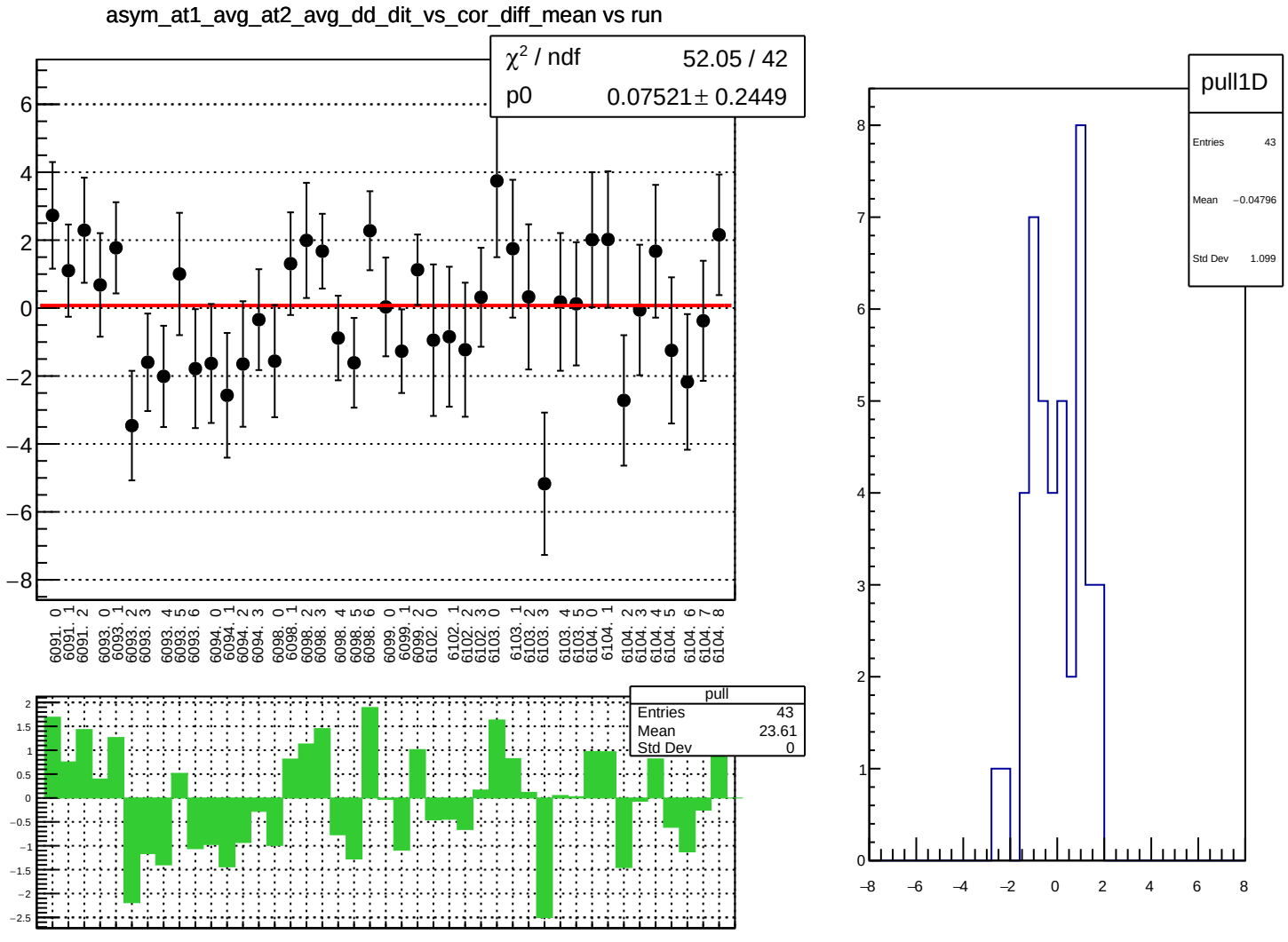

asym_at1_avg_at2_avg_dd_mean vs run
×10^3
χ² / ndf 40.11 / 42
p0 2005 ± 5044
100
50
0
−50
−100
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 32.79
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

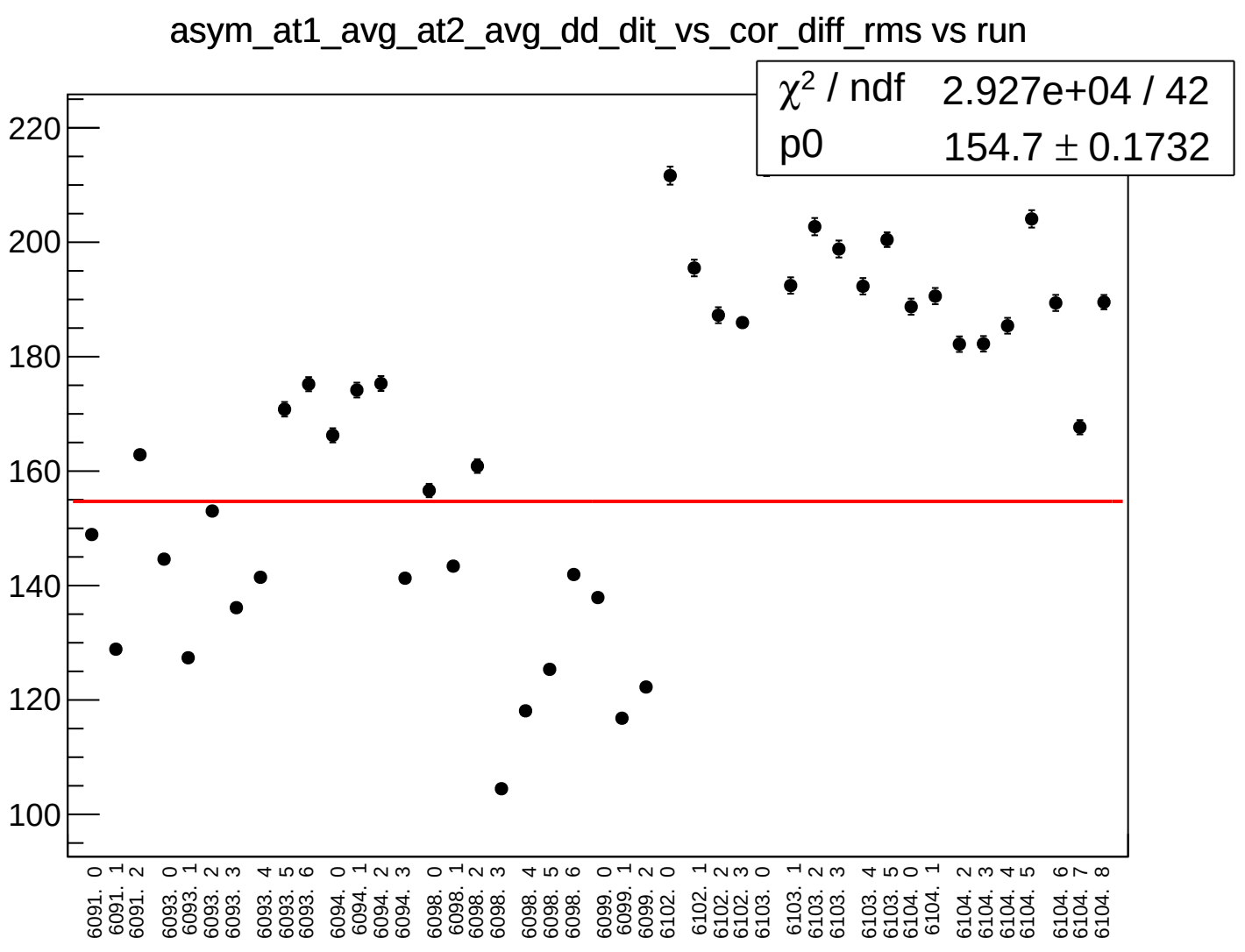

pull1D
Entries 43
Mean 0.01499
Std Dev 0.9657
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

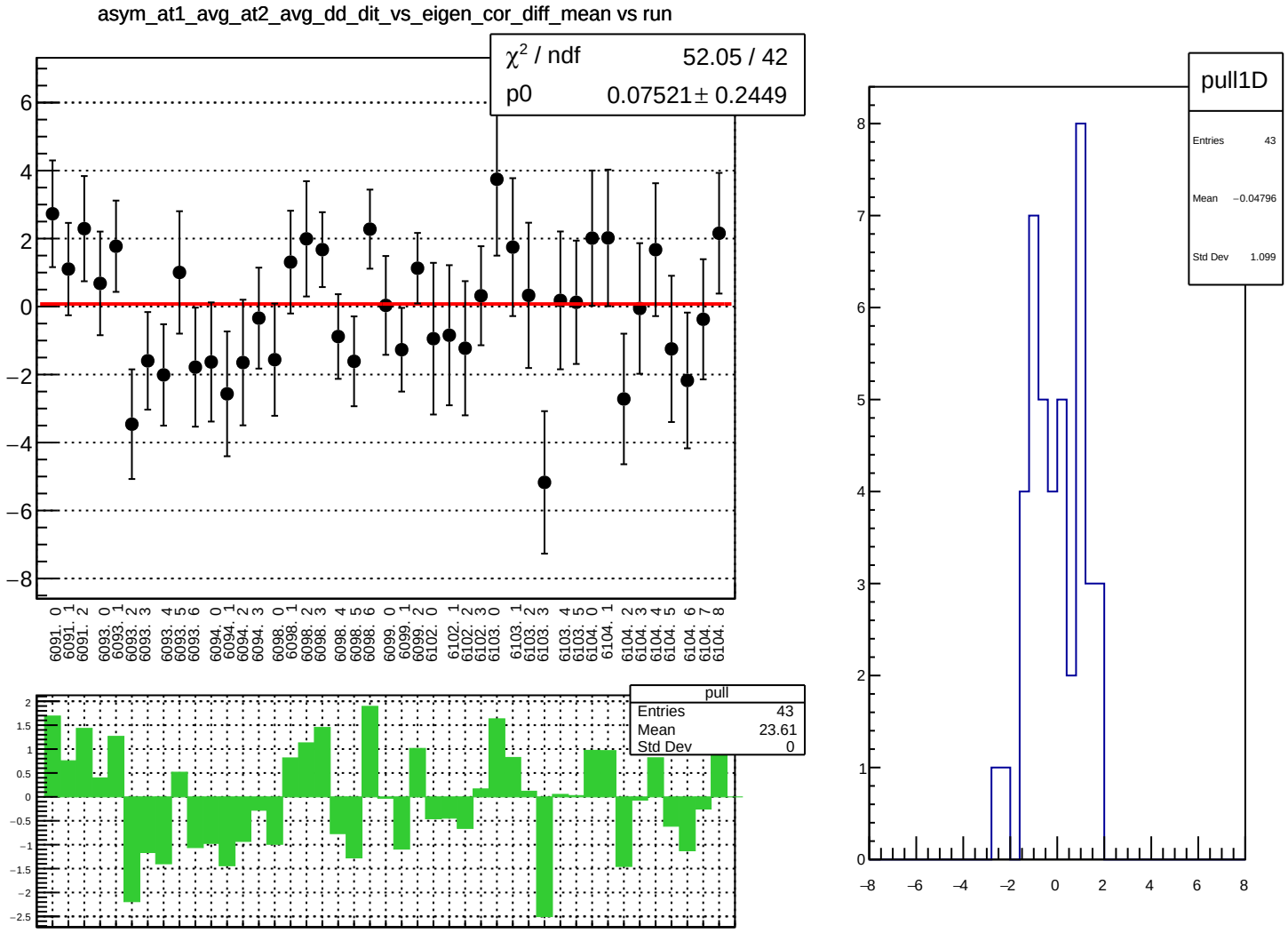

asym_at1_avg_at2_avg_dd_rms vs run
χ² / ndf 1673 / 42
p0 3241 ± 3.567
3600
3500
3400
3300
3200
3100
3000
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

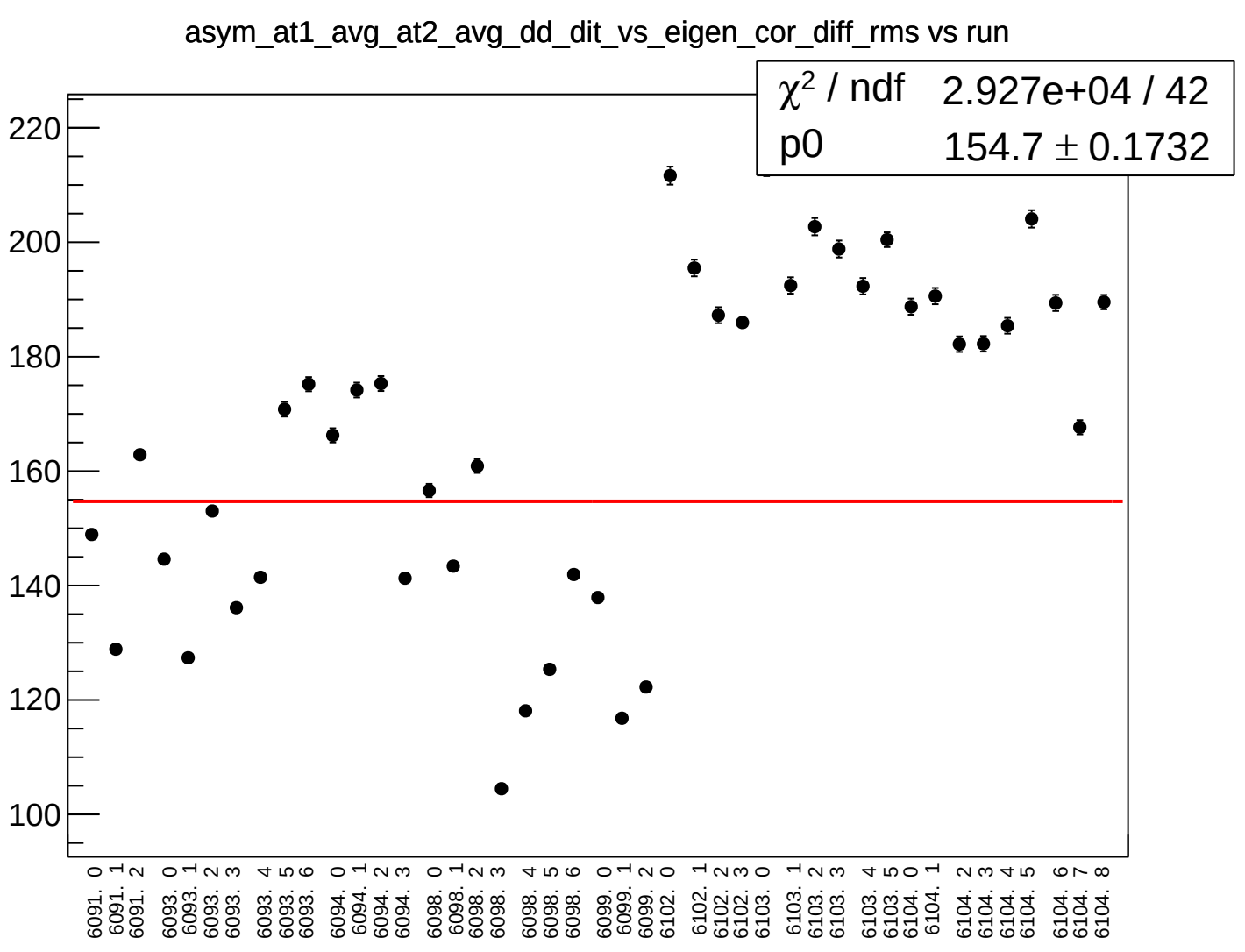

asym_at1_avg_at2_avg_dd_reg_vs_cor_diff_mean vs run
χ² / ndf 45.38 / 42
p0 2.348e−13 ± 3.615e−13
0.02
0.015
0.01
0.005
0
−0.005
−0.01
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 7.82
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 43
Mean 0.2873
Std Dev 0.9863
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

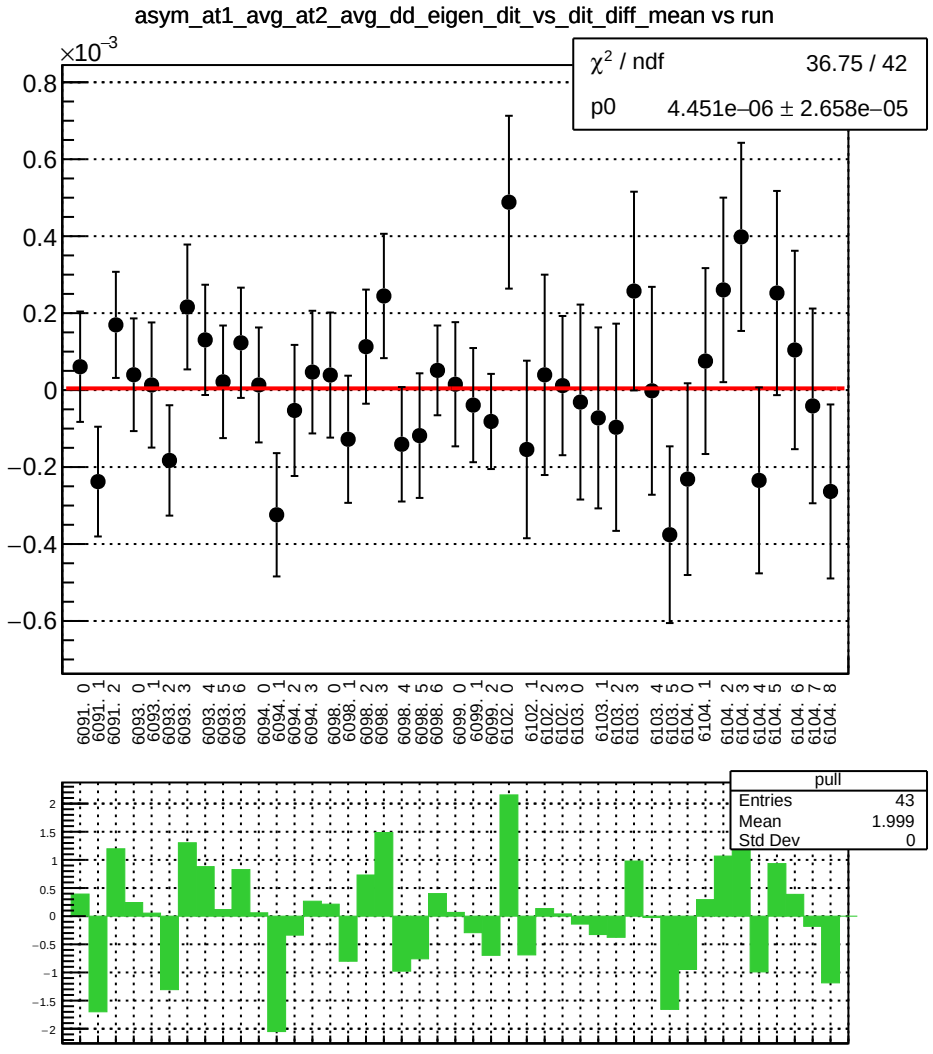

asym_at1_avg_at2_avg_dd_reg_vs_cor_diff_rms vs run
χ² / ndf 5.508e+05 / 42
p0 1.345e−10 ± 2.556e−13
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

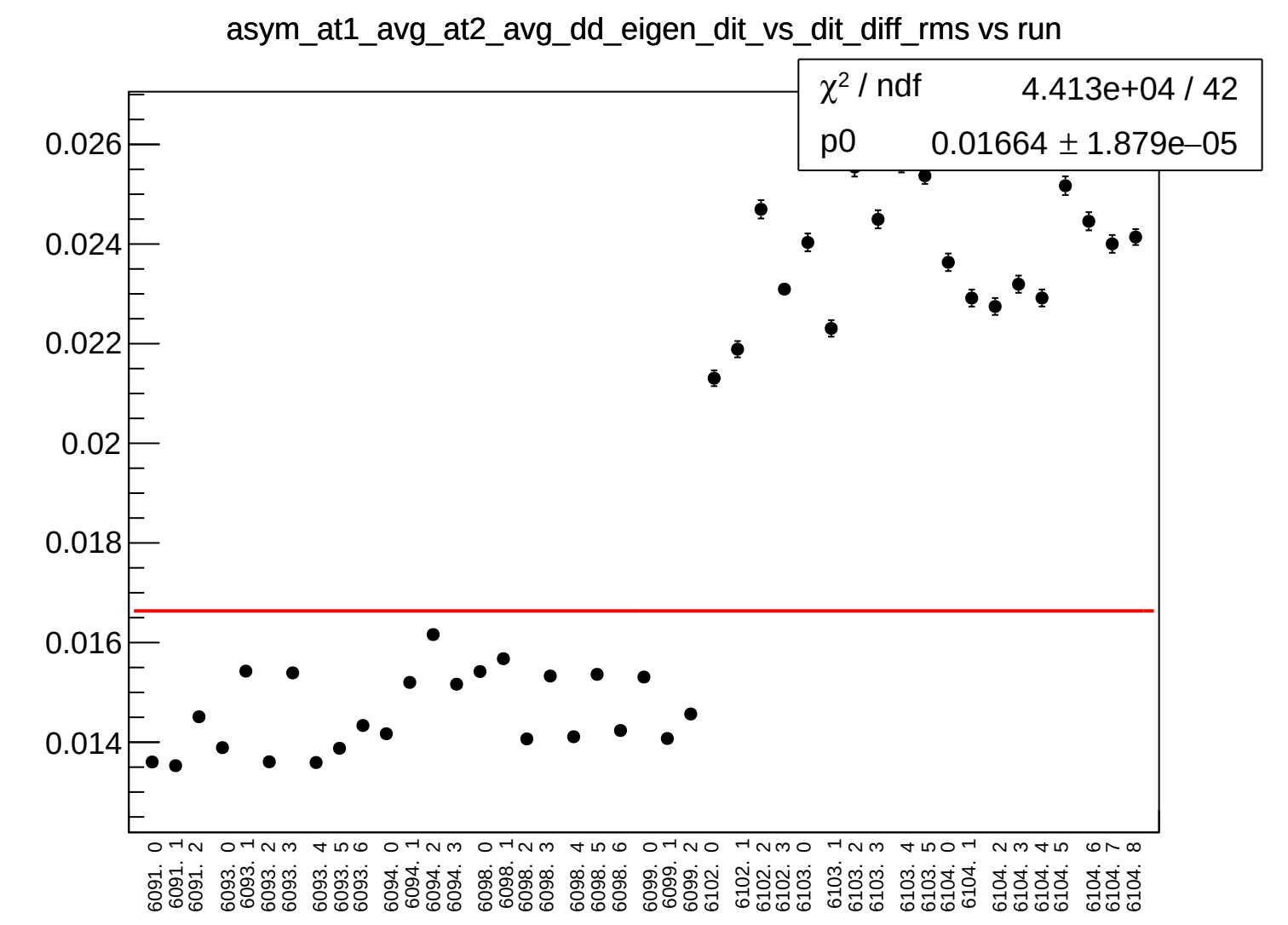

asym_at1_avg_at2_avg_dd_dit_vs_cor_diff_mean vs run
χ² / ndf 52.05 / 42
p0 0.07521 ± 0.2449
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 23.61
Std Dev 0
pull1D
Entries 43
Mean −0.04796
Std Dev 1.099

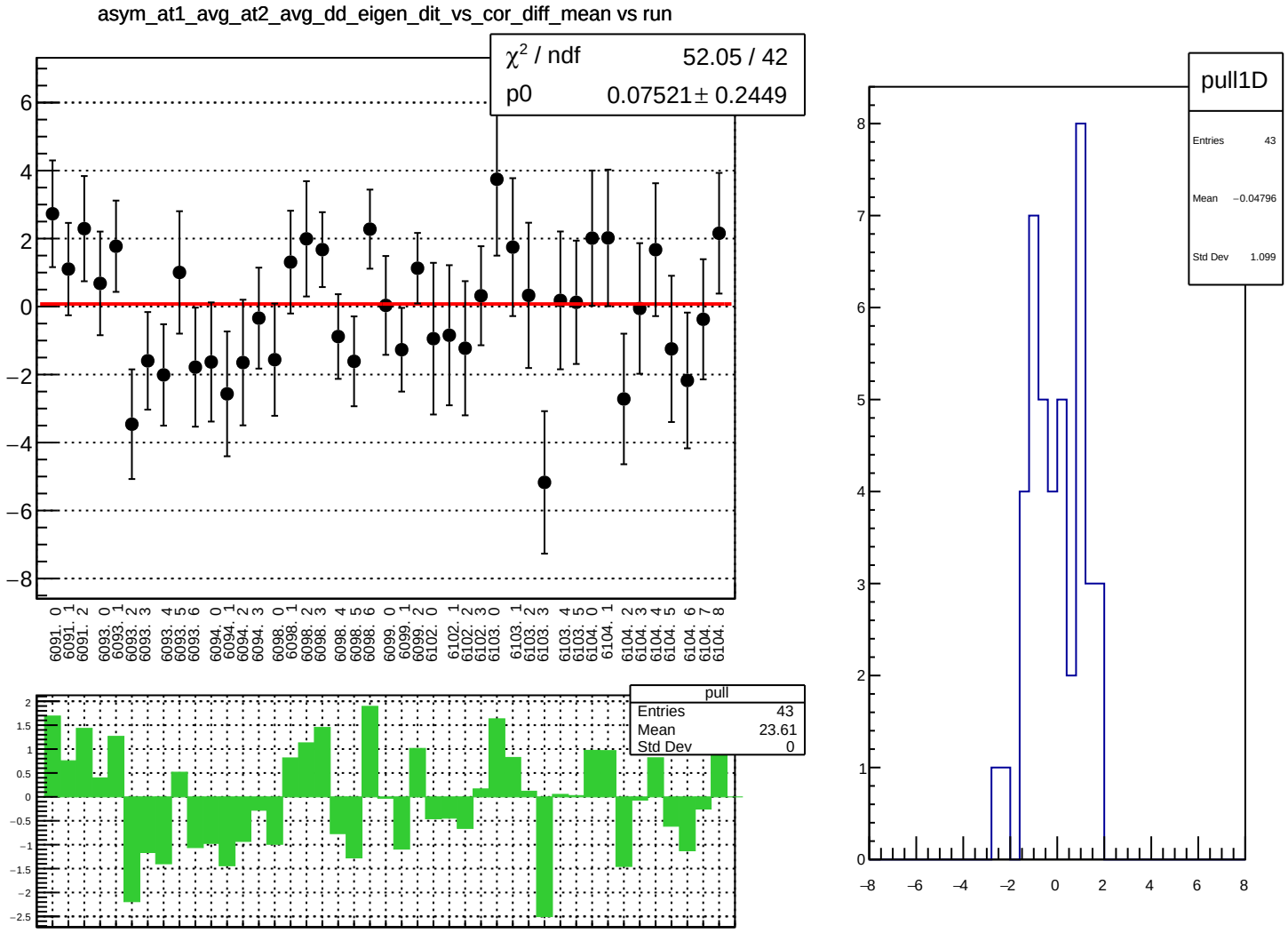

asym_at1_avg_at2_avg_dd_dit_vs_cor_diff_rms vs run
χ² / ndf 2.927e+04 / 42
p0 154.7 ± 0.1732
220
200
180
160
140
120
100
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

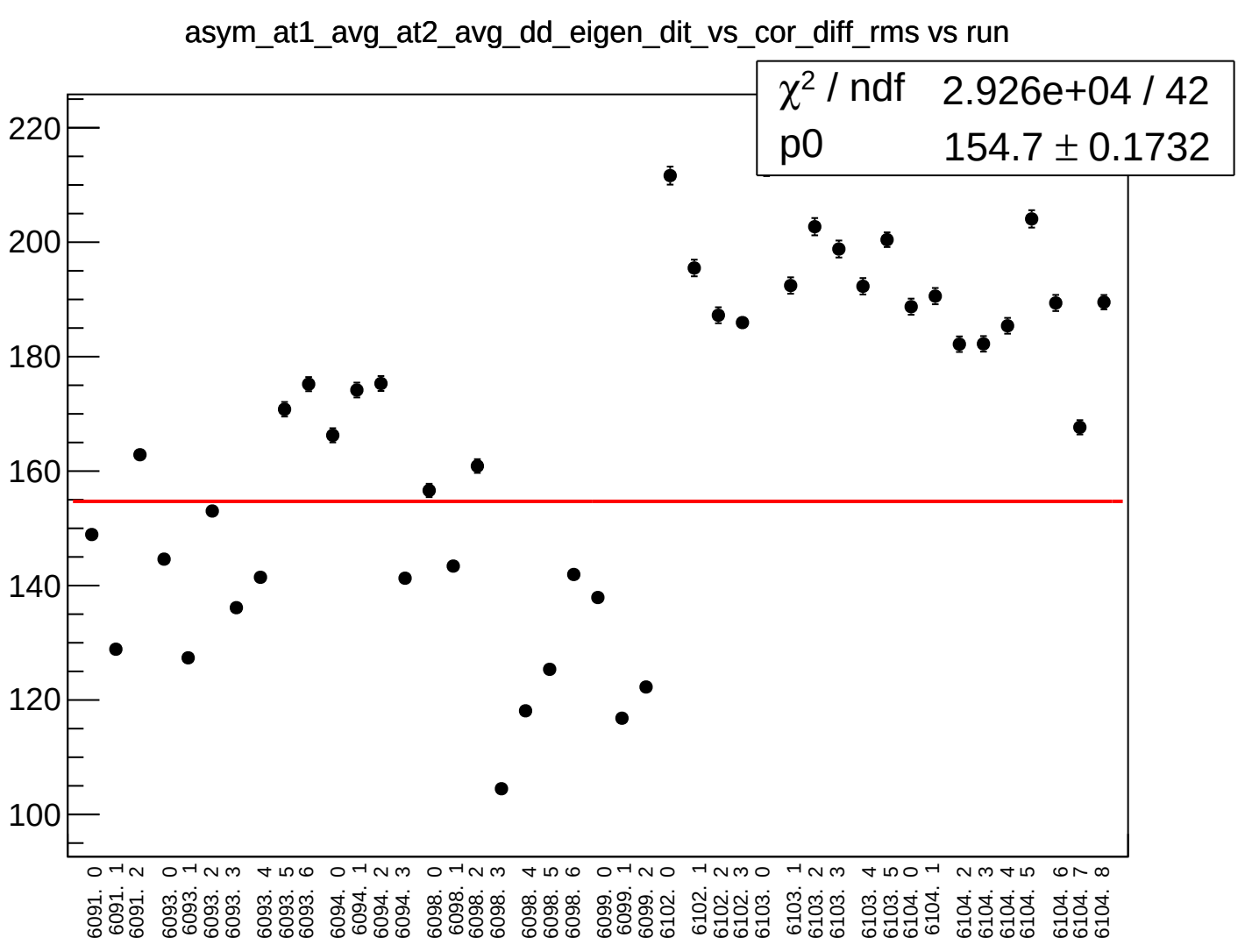

asym_at1_avg_at2_avg_dd_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 52.05 / 42
p0 0.07521 ± 0.2449
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 23.61
Std Dev 0
pull1D
Entries 43
Mean −0.04796
Std Dev 1.099

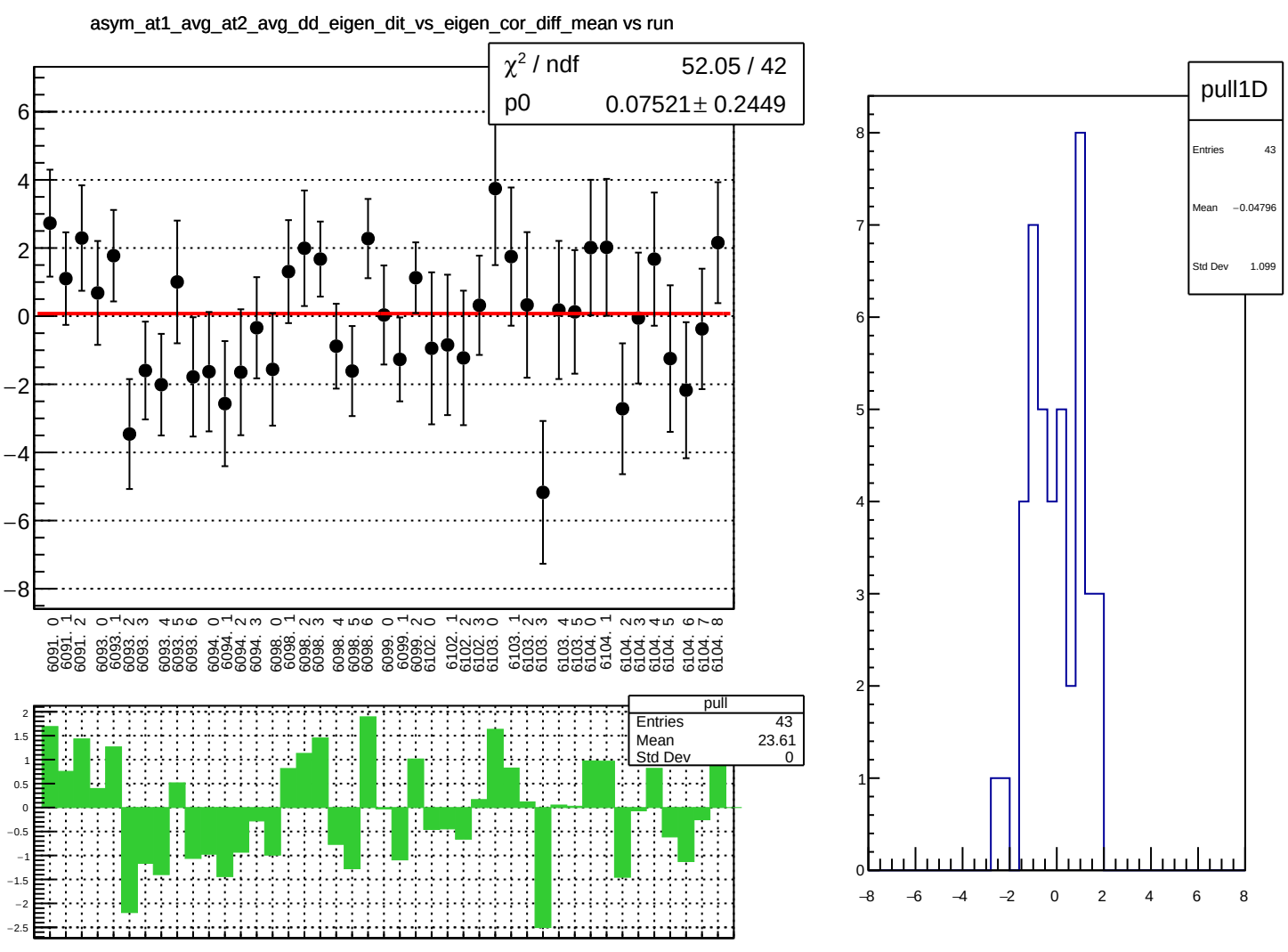

asym_at1_avg_at2_avg_dd_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 2.927e+04 / 42
p0 154.7 ± 0.1732
220
200
180
160
140
120
100
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

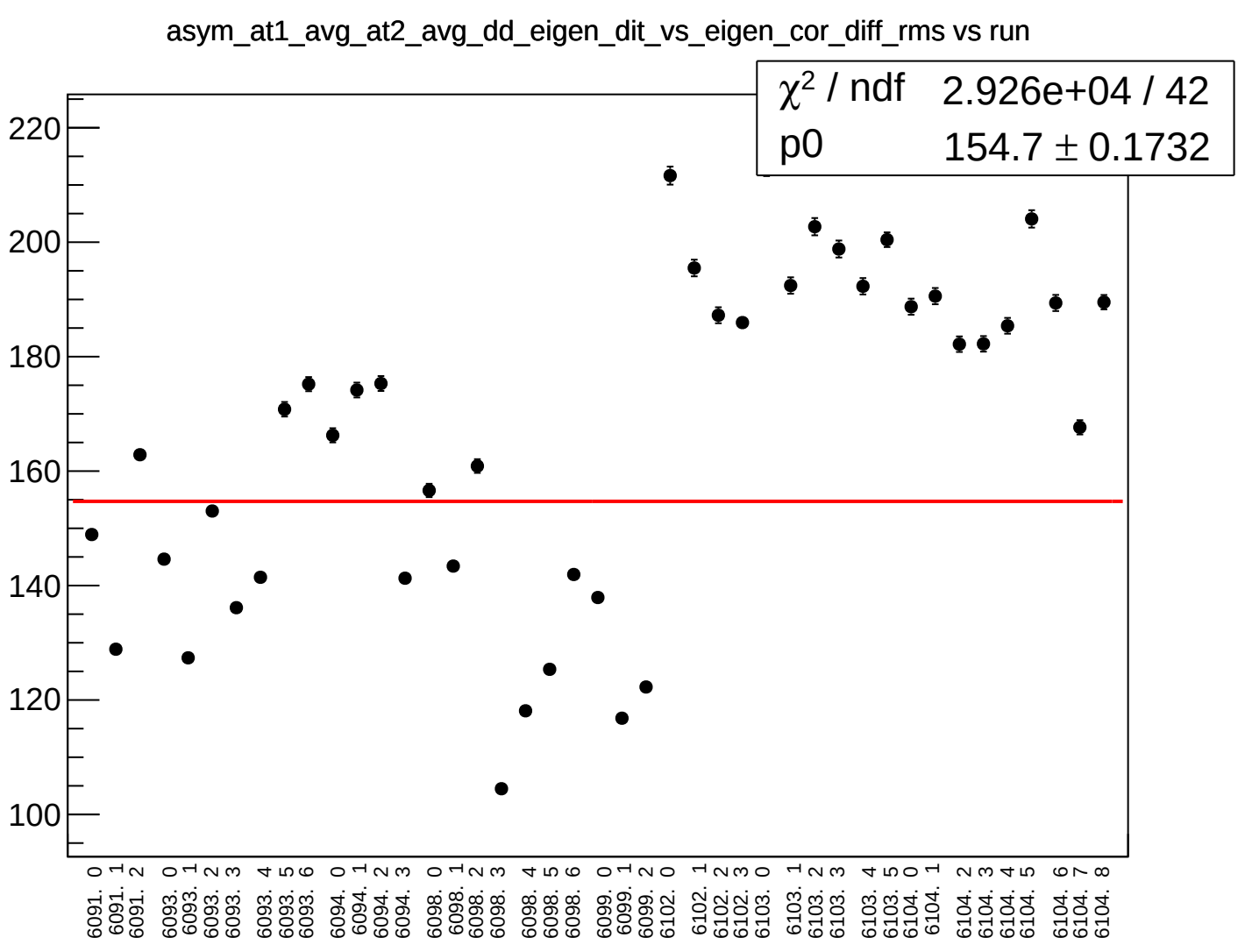

asym_at1_avg_at2_avg_dd_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 36.75 / 42
p0 4.451e−06 ± 2.658e−05
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 1.999
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 43
Mean 0.009714
Std Dev 0.9244
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

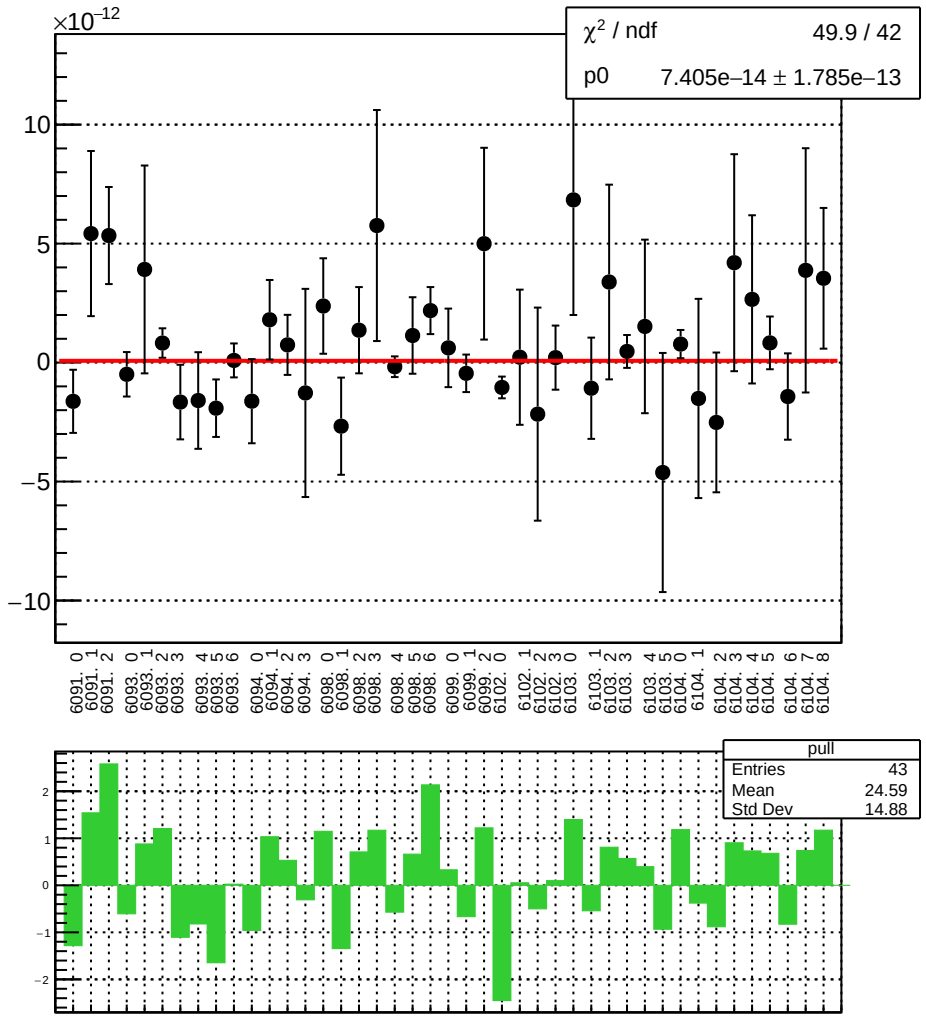

asym_at1_avg_at2_avg_dd_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 4.413e+04 / 42
p0 0.01664 ± 1.879e−05
0.026
0.024
0.022
0.02
0.018
0.016
0.014
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

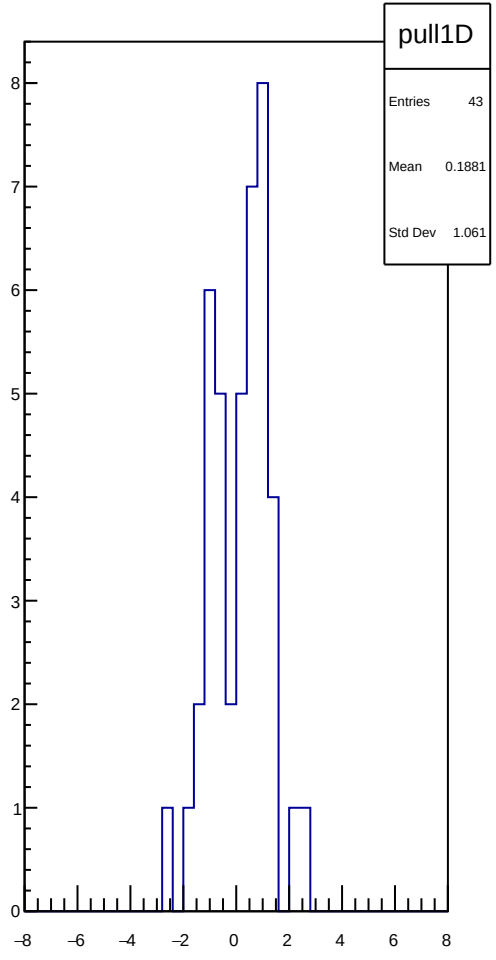

asym_at1_avg_at2_avg_dd_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 52.05 / 42
p0 0.07521 ± 0.2449
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 23.61
Std Dev 0
pull1D
Entries 43
Mean −0.04796
Std Dev 1.099

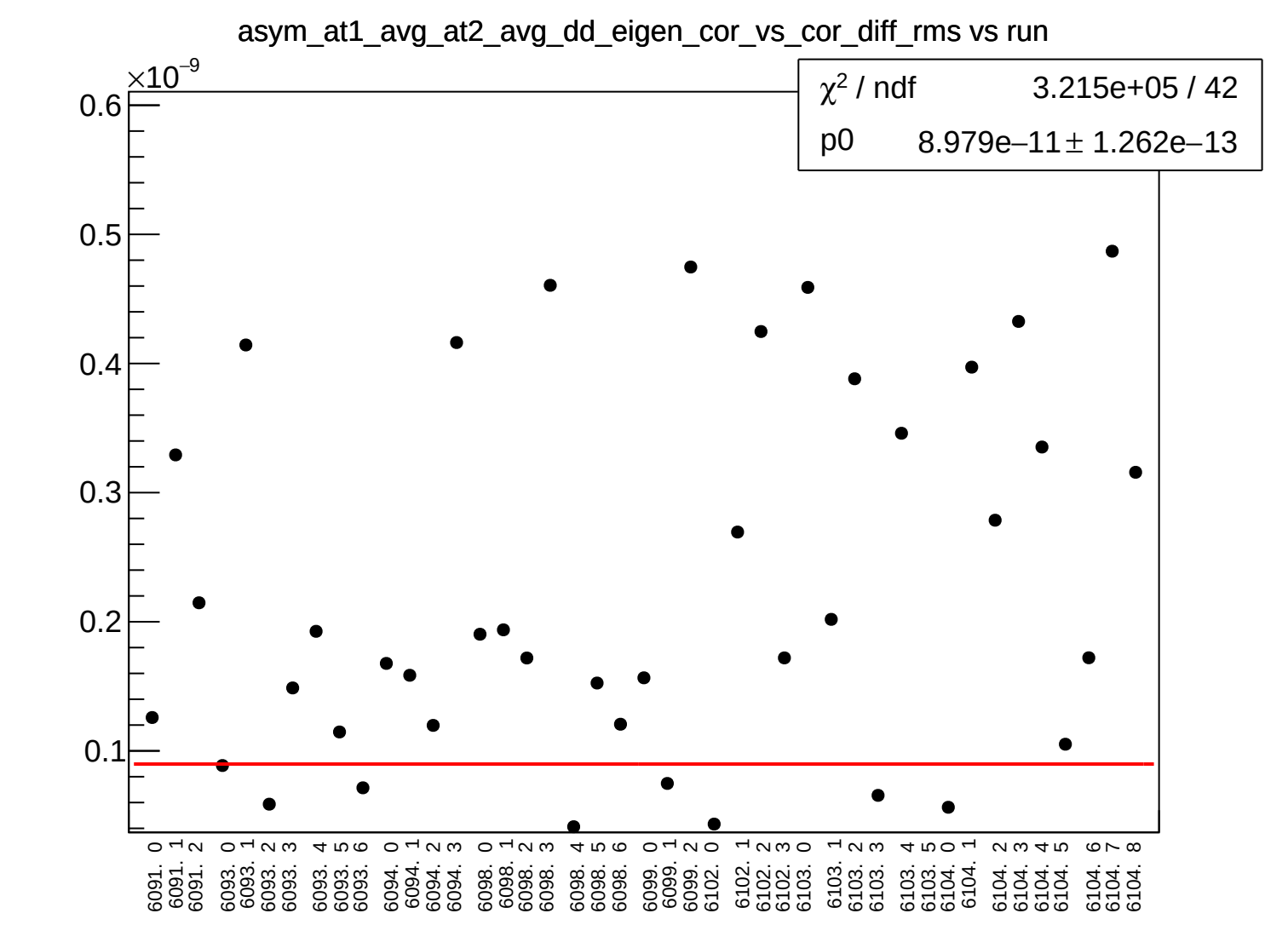

asym_at1_avg_at2_avg_dd_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 2.926e+04 / 42
p0 154.7 ± 0.1732
220
200
180
160
140
120
100
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

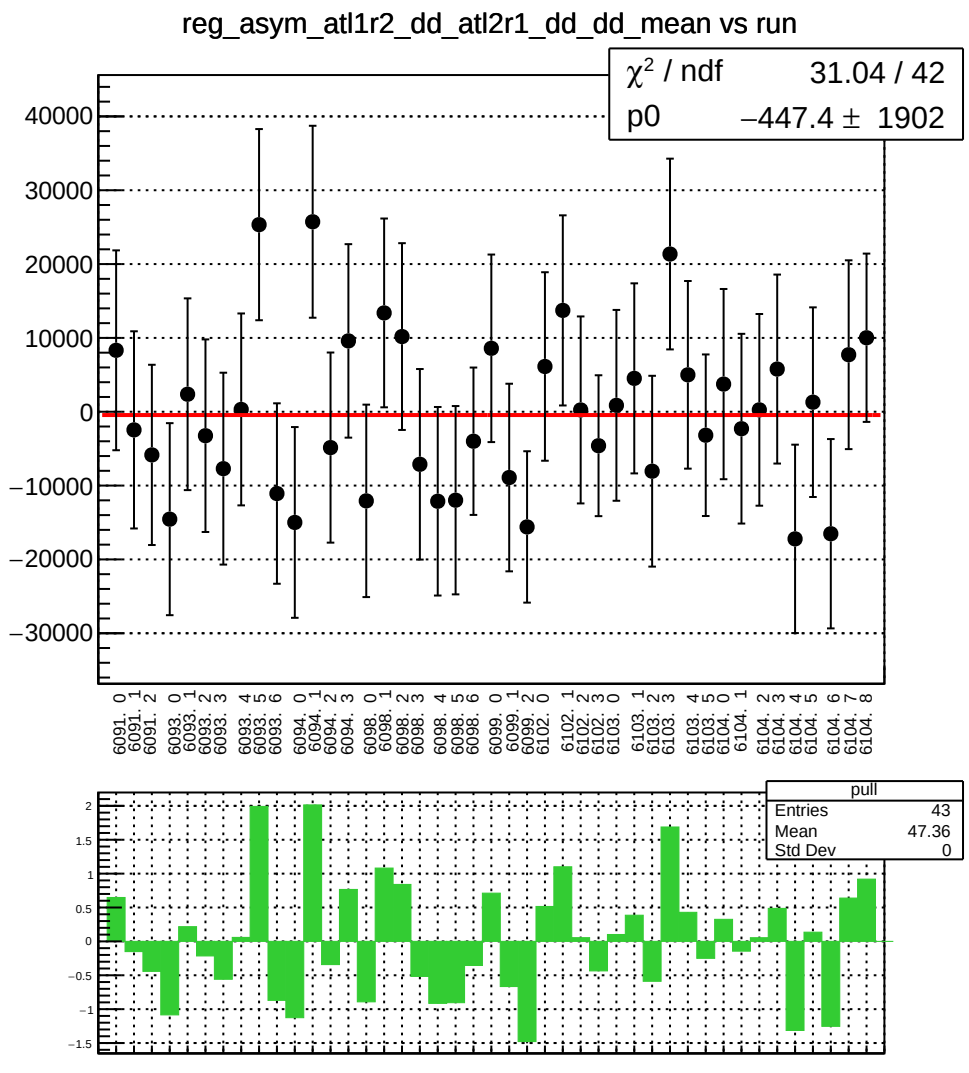

asym_at1_avg_at2_avg_dd_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 52.05 / 42
p0 0.07521 ± 0.2449
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 23.61
Std Dev 0
pull1D
Entries 43
Mean −0.04796
Std Dev 1.099

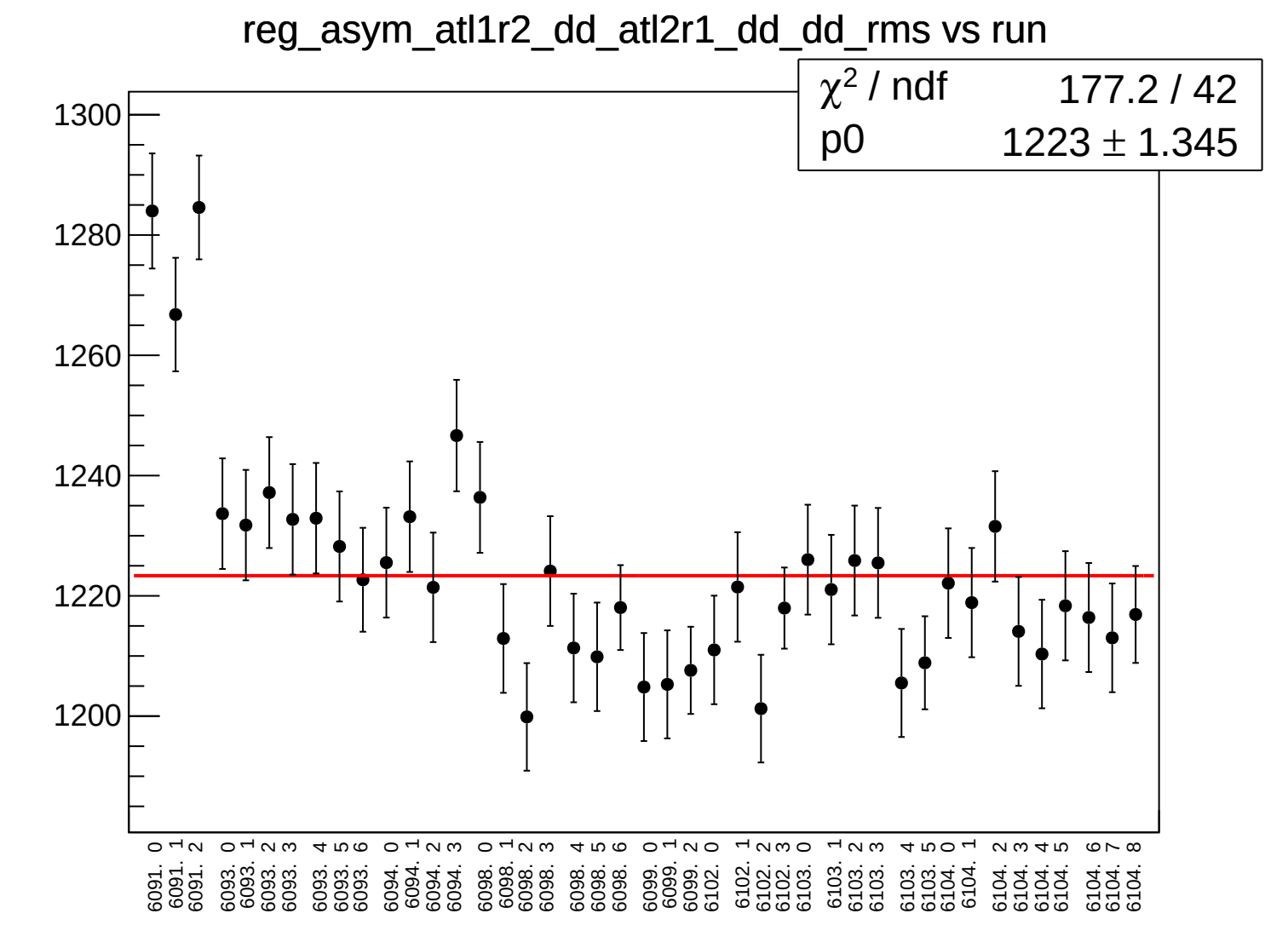

asym_at1_avg_at2_avg_dd_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 2.926e+04 / 42
p0 154.7 ± 0.1732
220
200
180
160
140
120
100
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

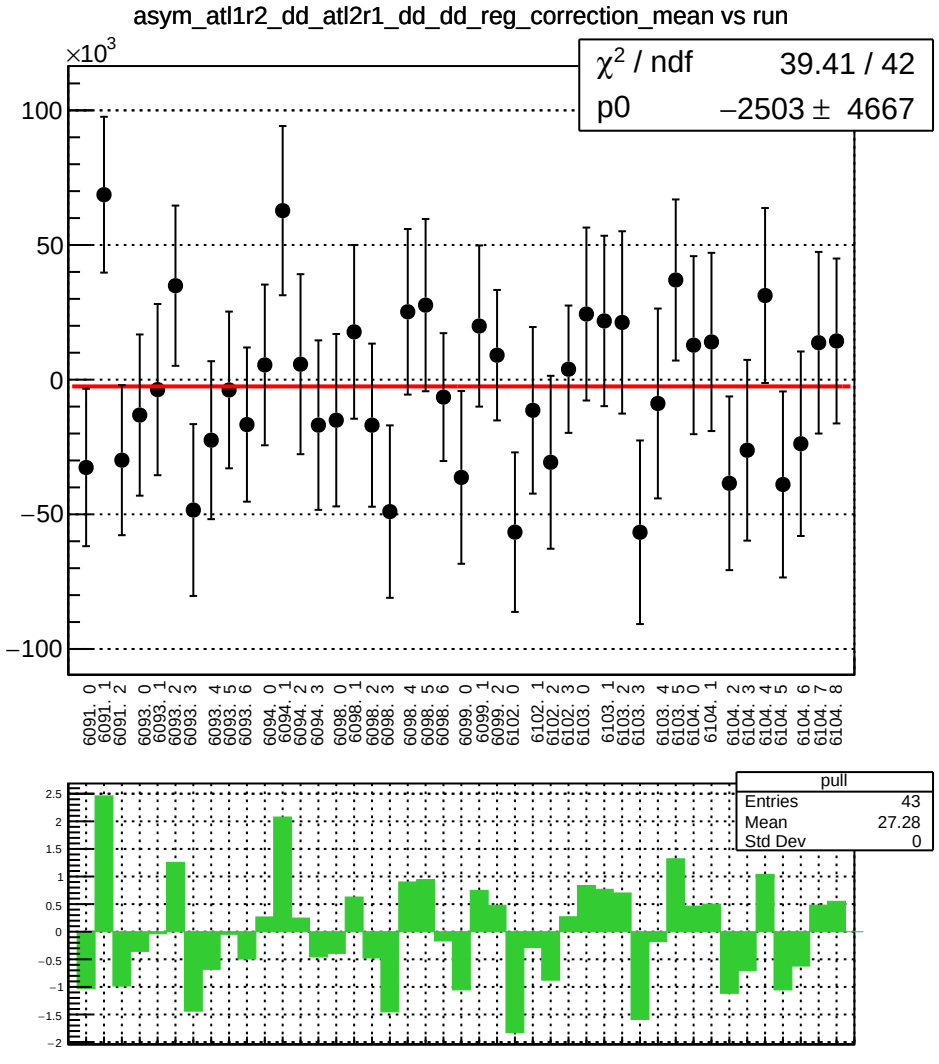

asym_at1_avg_at2_avg_dd_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 49.9 / 42
p0 7.405e−14 ± 1.785e−13
pull
Entries 43
Mean 24.59
Std Dev 14.88

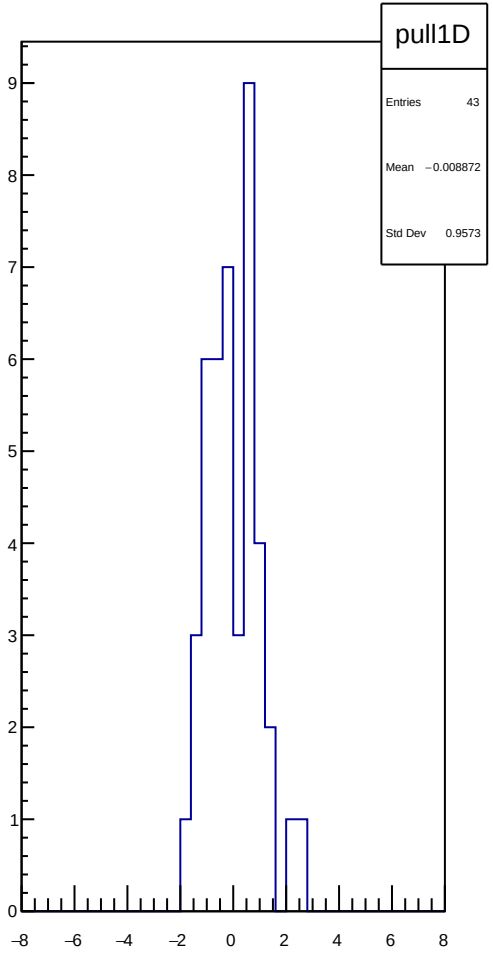

pull1D
Entries 43
Mean 0.1881
Std Dev 1.061

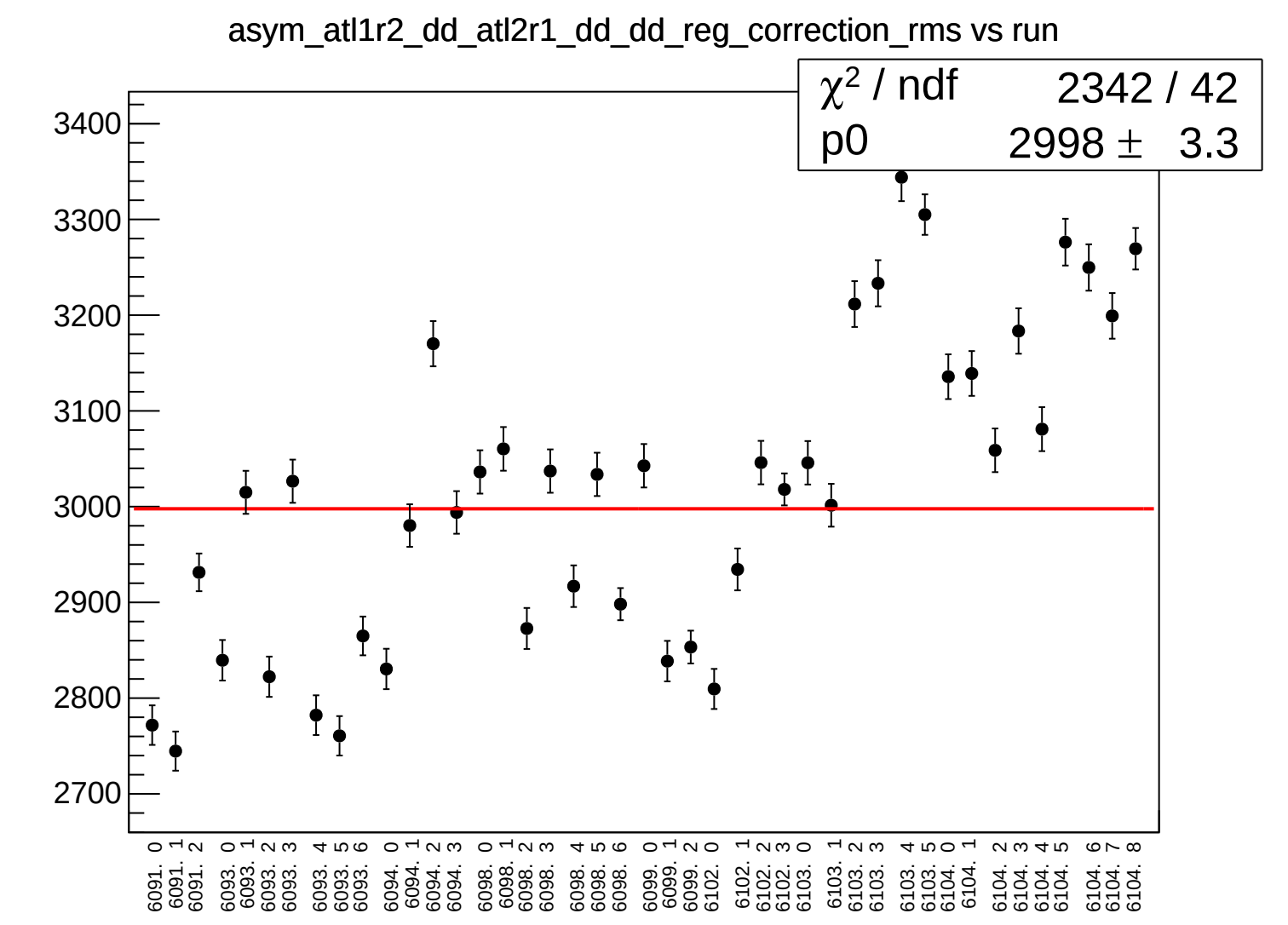

asym_at1_avg_at2_avg_dd_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 3.215e+05 / 42
p0 8.979e−11 ± 1.262e−13
0.6
0.5
0.4
0.3
0.2
0.1
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

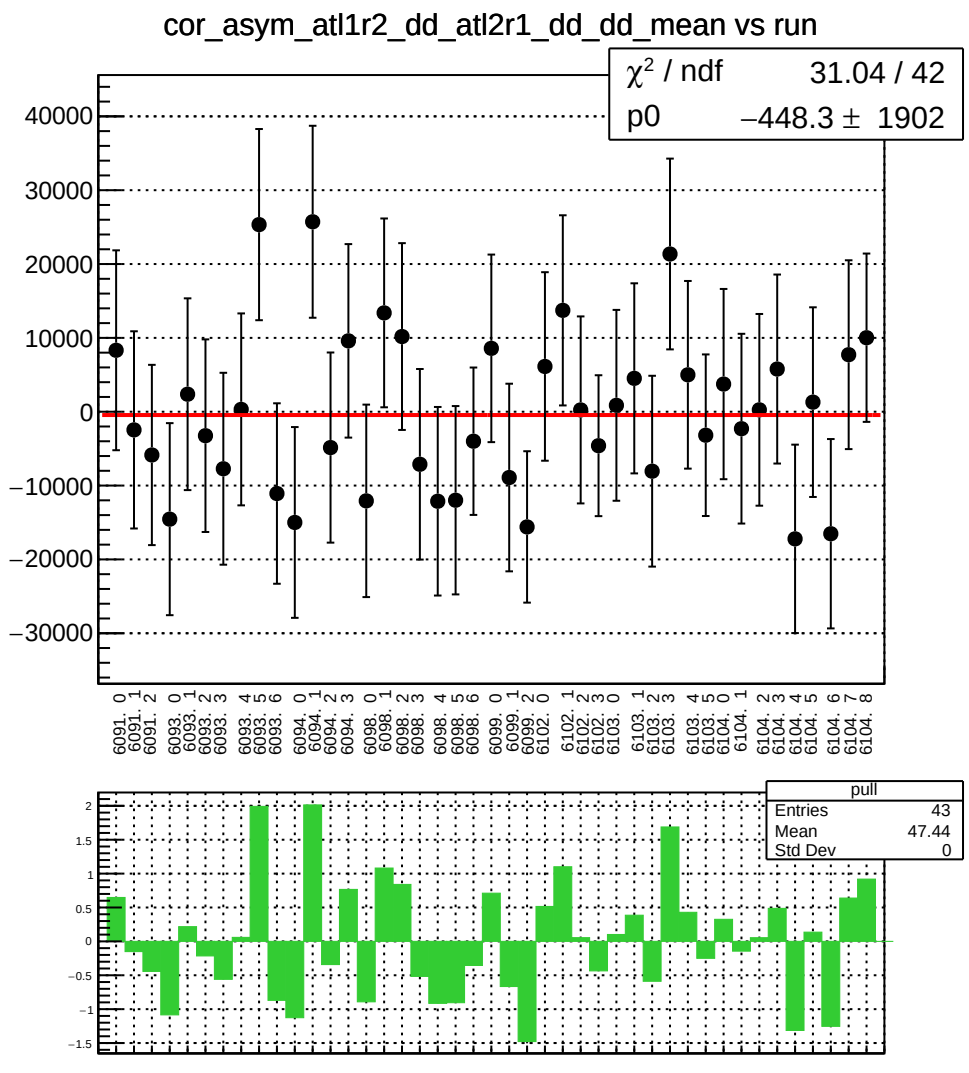

reg_asym_atl1r2_dd_atl2r1_dd_dd_mean vs run
χ² / ndf 31.04 / 42
p0 −447.4 ± 1902
40000
30000
20000
10000
0
−10000
−20000
−30000
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 47.36
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 43
Mean 0.01542
Std Dev 0.8495
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

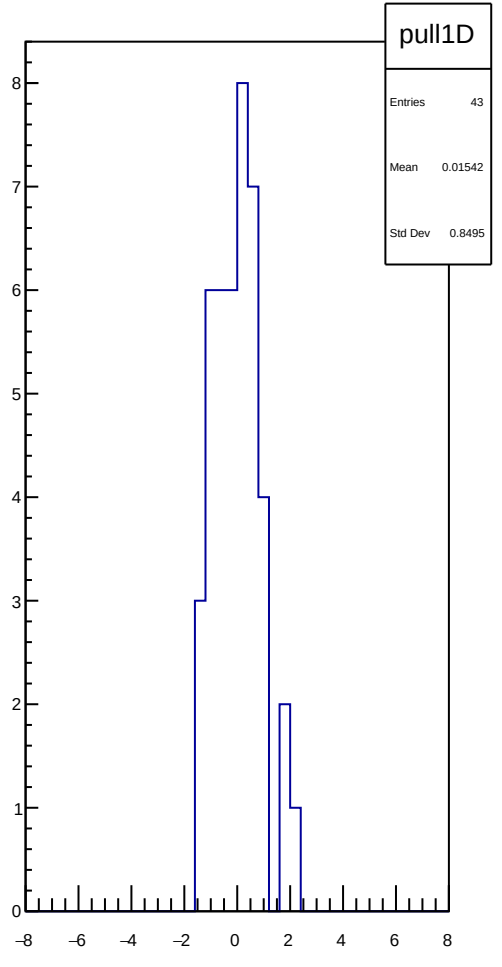

reg_asym_atl1r2_dd_atl2r1_dd_dd_rms vs run
χ² / ndf 177.2 / 42
p0 1223 ± 1.345
1300
1280
1260
1240
1220
1200
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

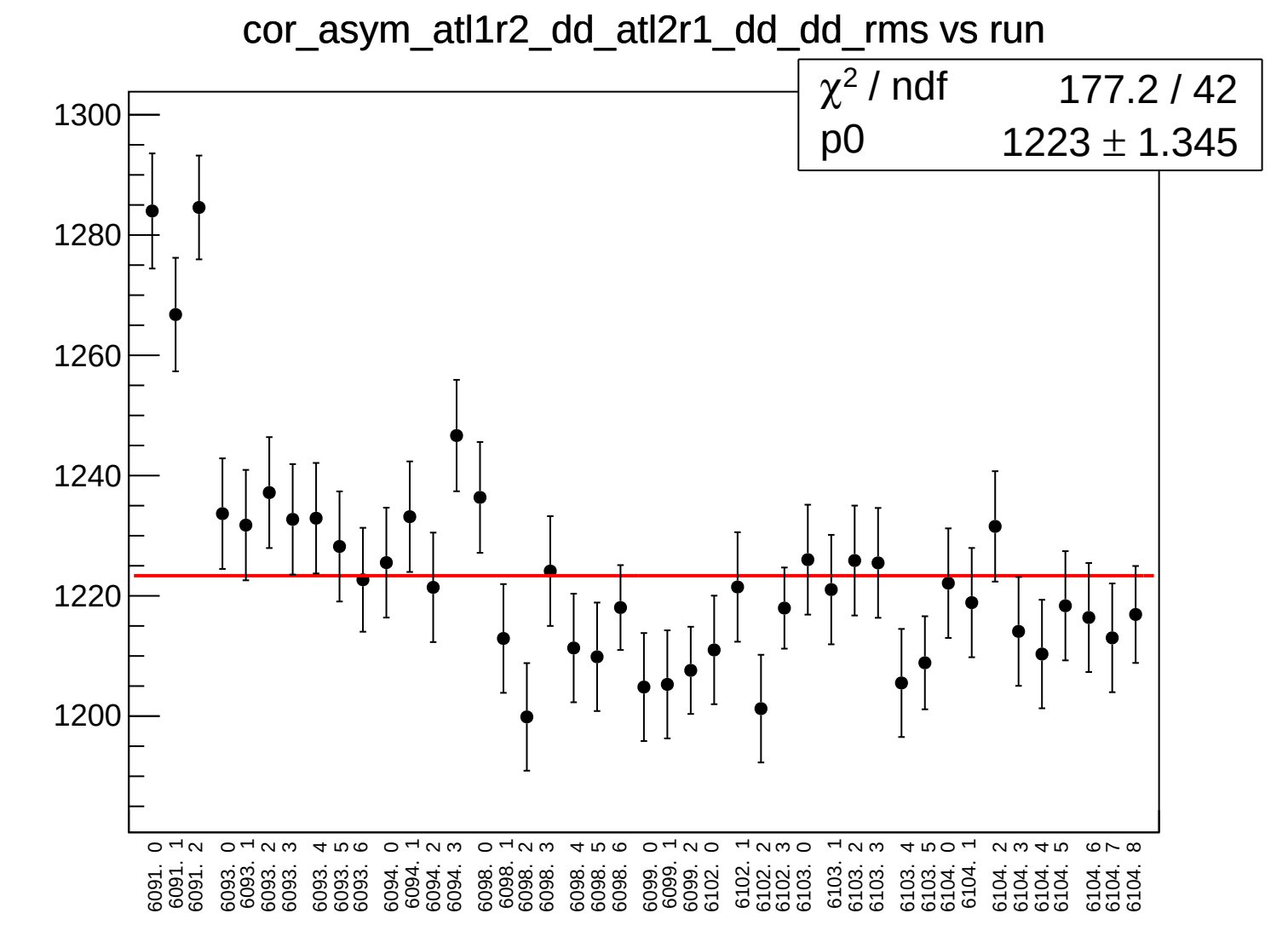

asym_atl1r2_dd_atl2r1_dd_dd_reg_correction_mean vs run
×10^3
χ² / ndf 39.41 / 42
p0 −2503 ± 4667
100
50
0
−50
−100
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 27.28
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

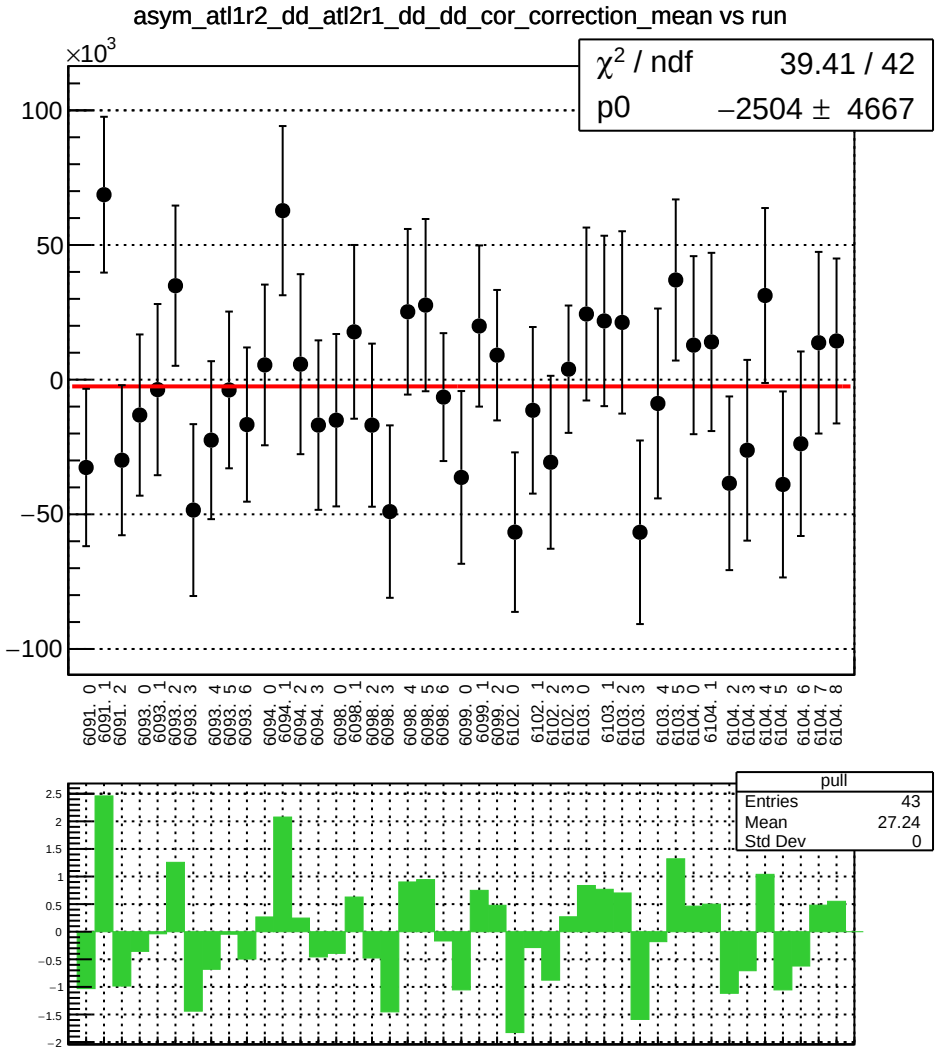

pull1D
Entries 43
Mean −0.008872
Std Dev 0.9573
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

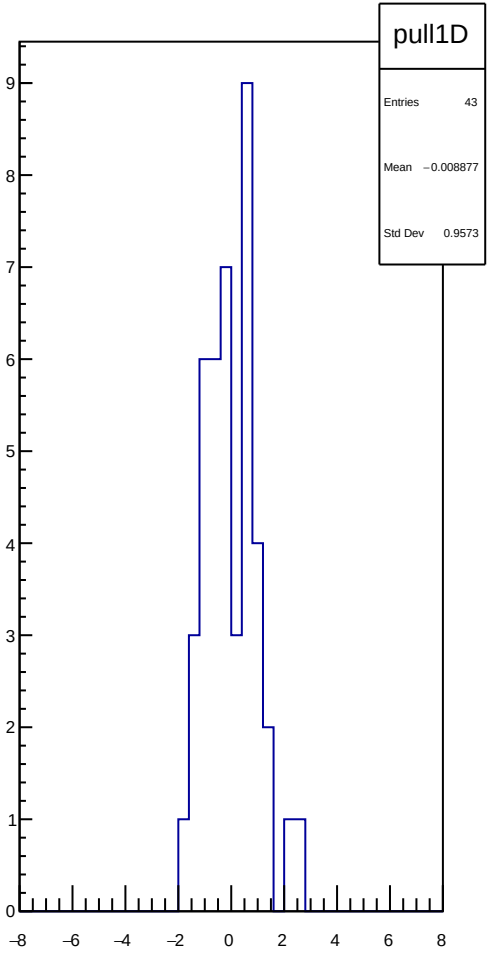

asym_atl1r2_dd_atl2r1_dd_dd_reg_correction_rms vs run
χ² / ndf 2342 / 42
p0 2998 ± 3.3
3400
3300
3200
3100
3000
2900
2800
2700
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

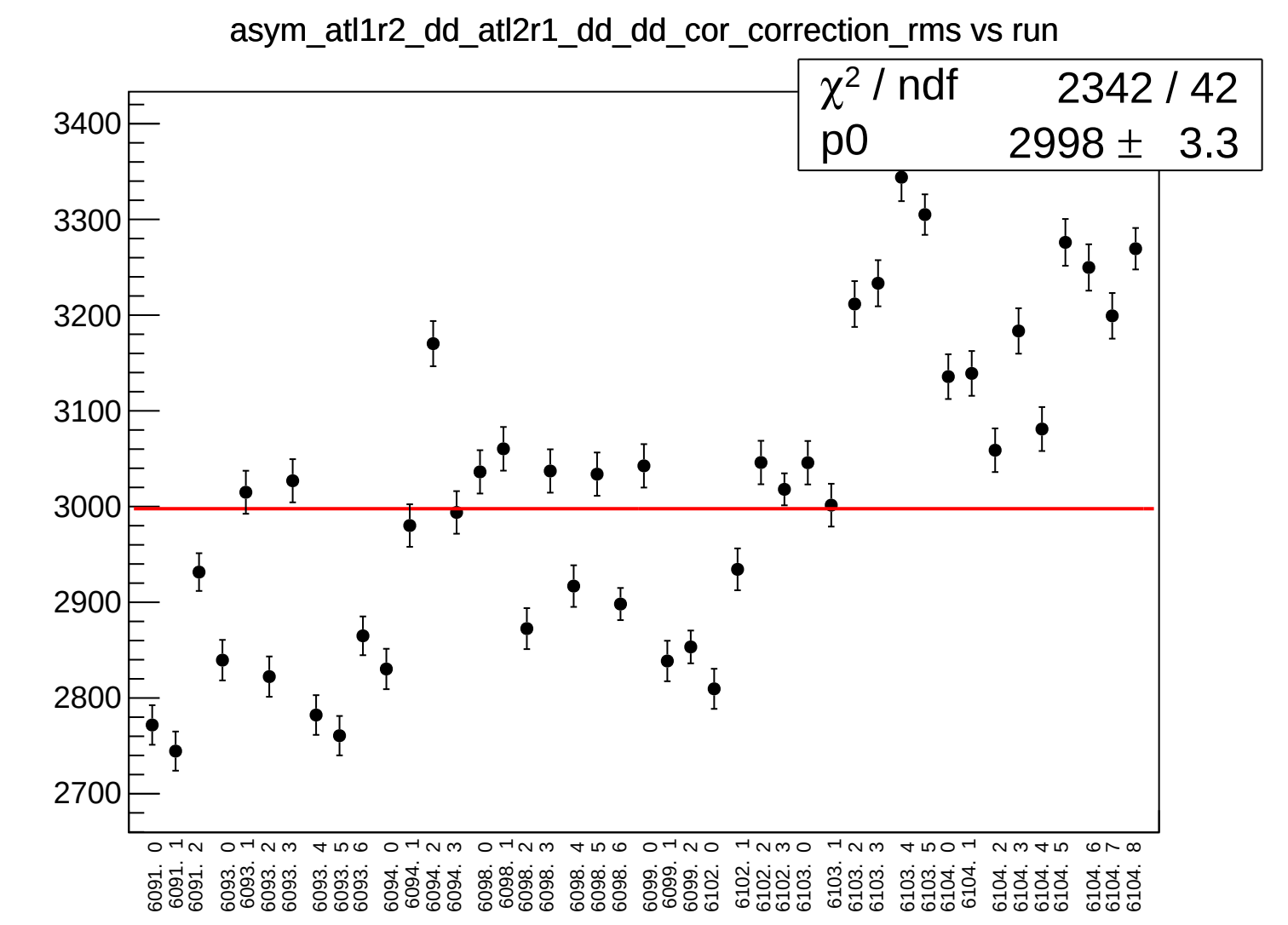

cor_asym_atl1r2_dd_atl2r1_dd_dd_mean vs run
χ² / ndf 31.04 / 42
p0 −448.3 ± 1902
40000
30000
20000
10000
0
−10000
−20000
−30000
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 47.44
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5

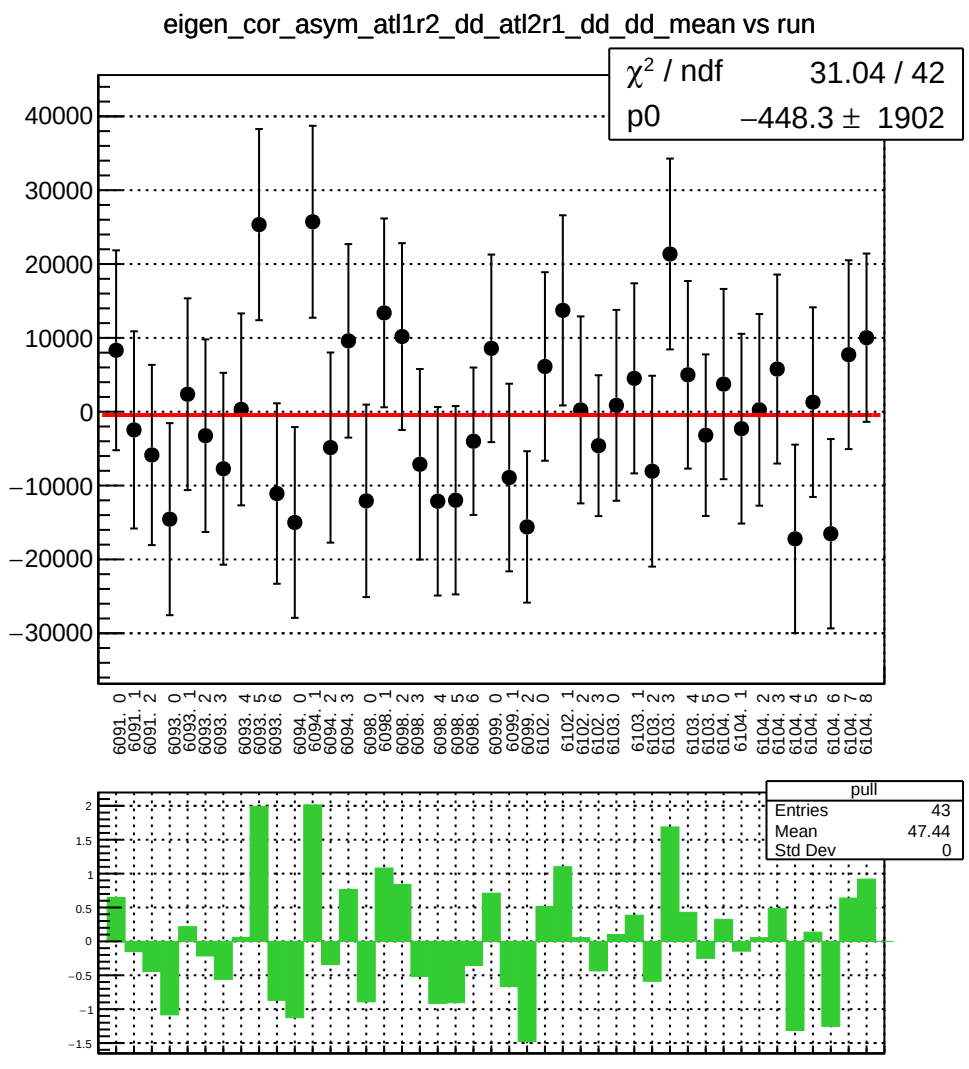

pull1D
Entries 43
Mean 0.01542
Std Dev 0.8495
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

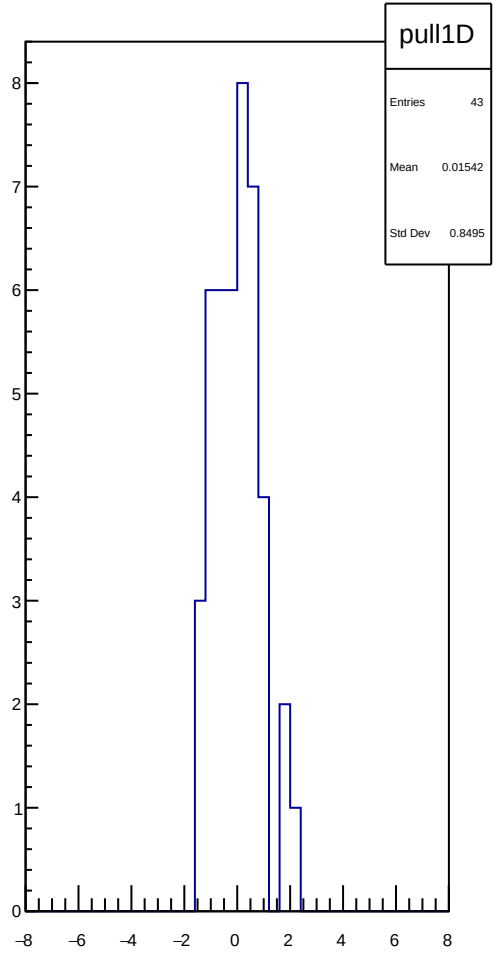

cor_asym_atl1r2_dd_atl2r1_dd_dd_rms vs run
χ² / ndf 177.2 / 42
p0 1223 ± 1.345
1300
1280
1260
1240
1220
1200
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

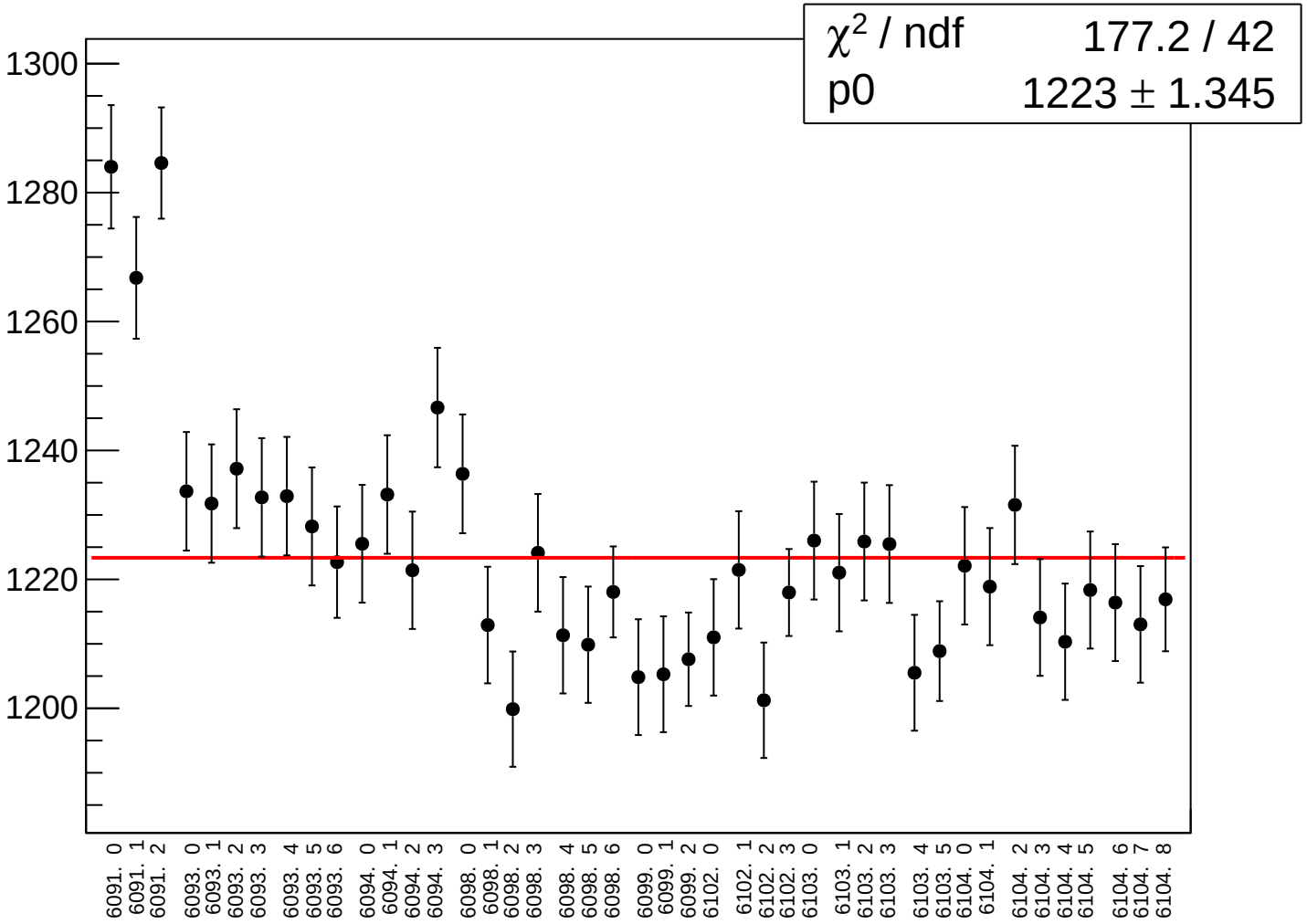

asym_atl1r2_dd_atl2r1_dd_dd_cor_correction_mean vs run
×10^3
χ² / ndf 39.41 / 42
p0 −2504 ± 4667
100
50
0
−50
−100
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 27.24
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

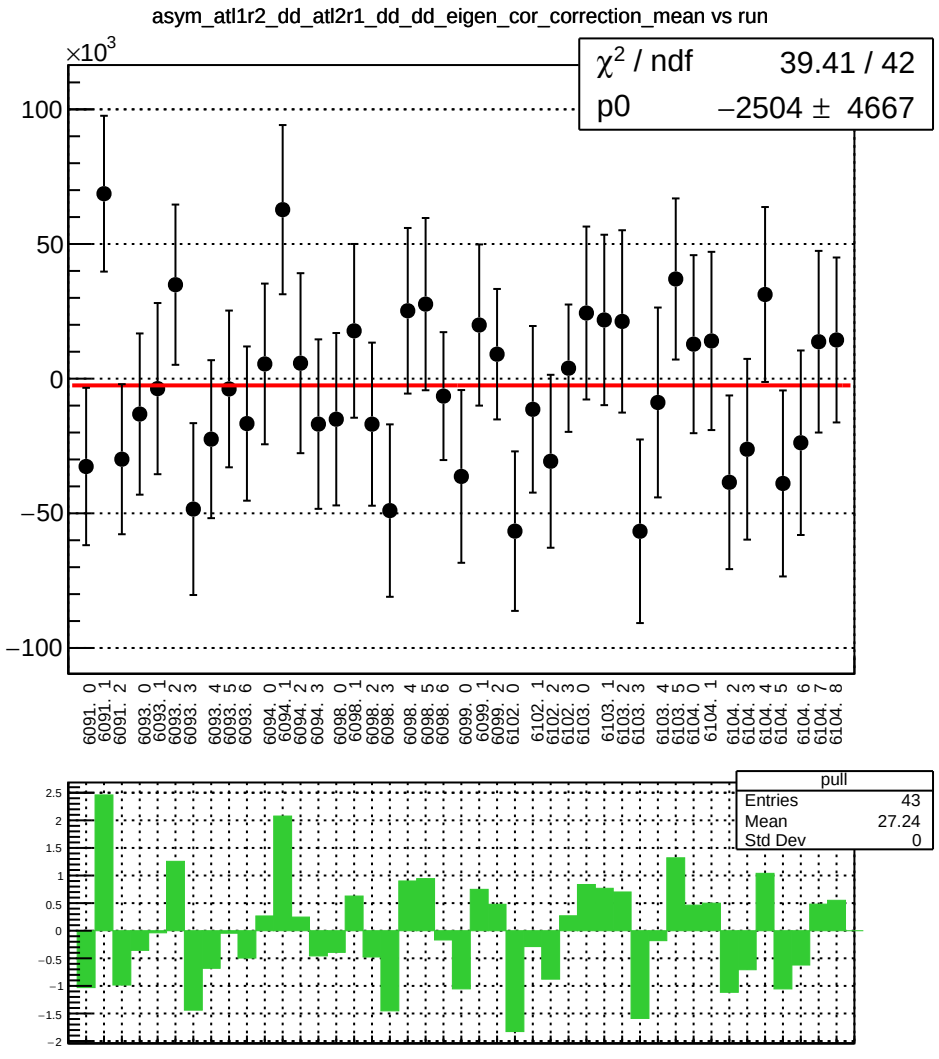

pull1D
Entries 43
Mean −0.008877
Std Dev 0.9573
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

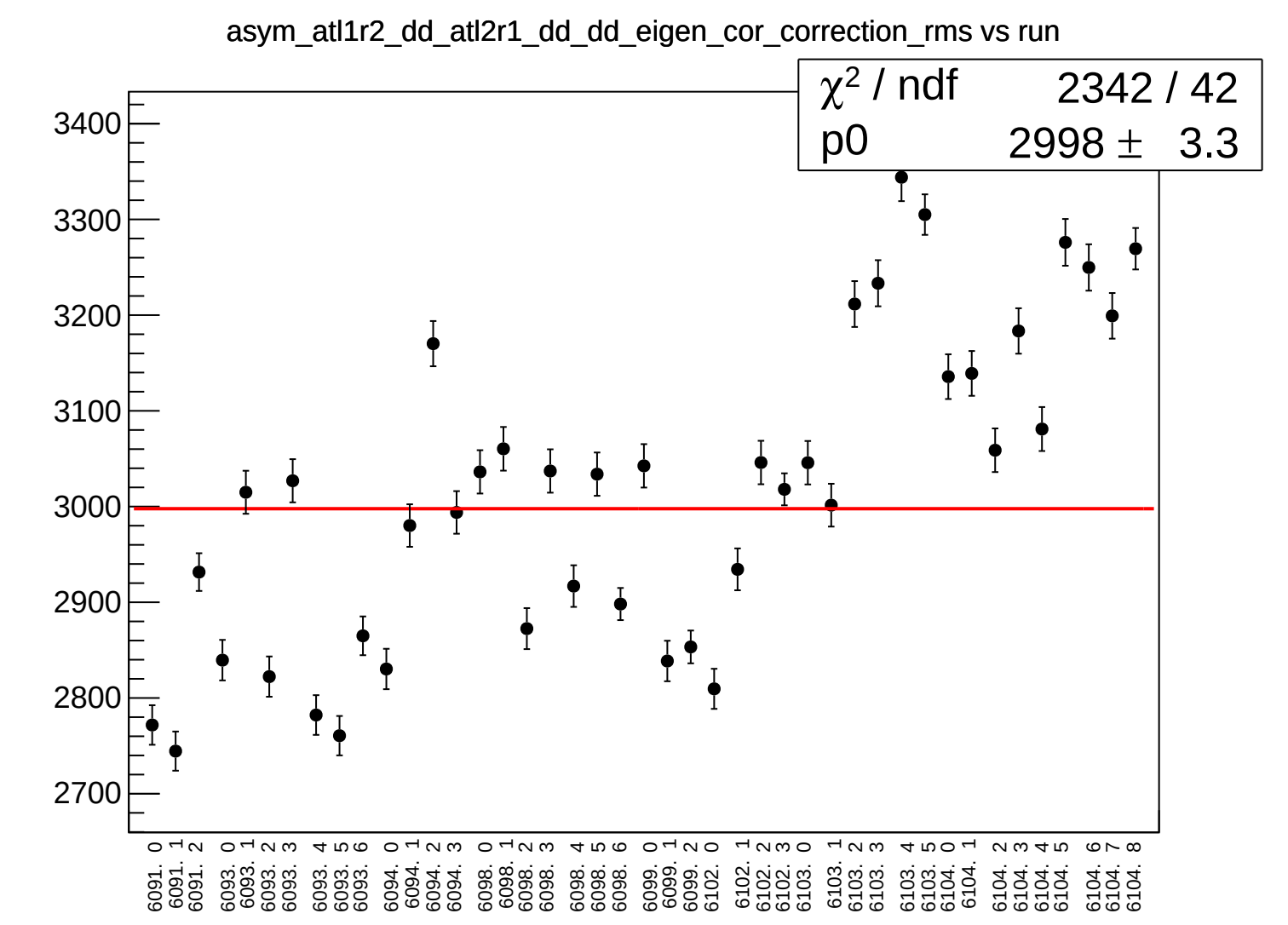

asym_atl1r2_dd_atl2r1_dd_dd_cor_correction_rms vs run
χ² / ndf 2342 / 42
p0 2998 ± 3.3
3400
3300
3200
3100
3000
2900
2800
2700
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

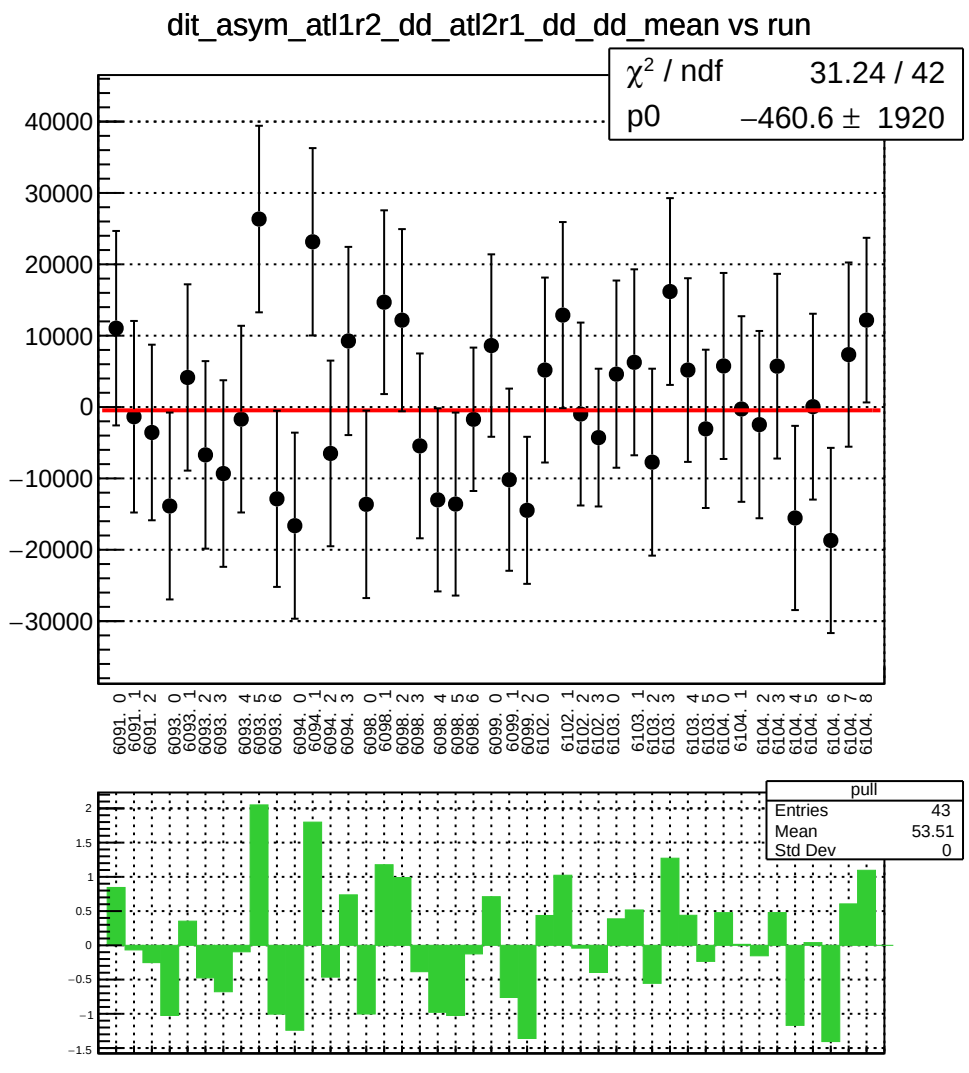

eigen_cor_asym_atl1r2_dd_atl2r1_dd_dd_mean vs run
χ² / ndf 31.04 / 42
p0 −448.3 ± 1902
40000
30000
20000
10000
0
−10000
−20000
−30000
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 47.44
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5

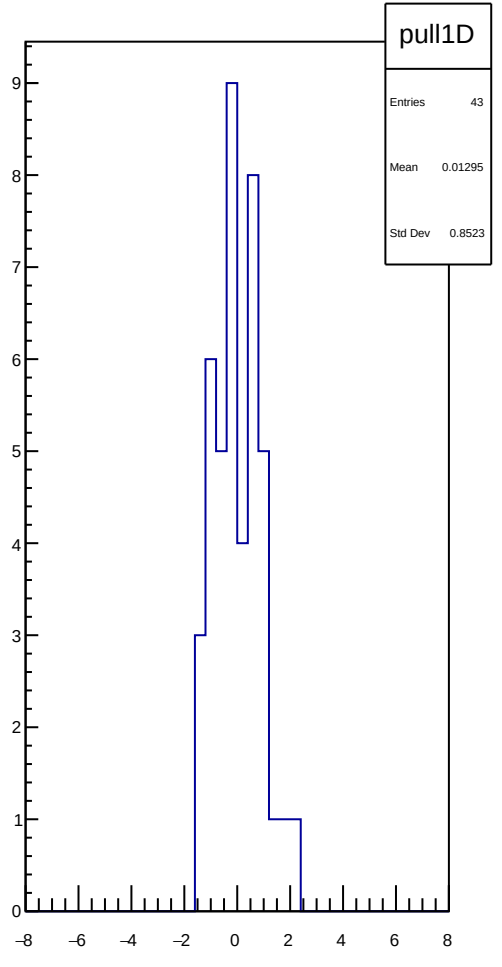

pull1D
Entries 43
Mean 0.01542
Std Dev 0.8495
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

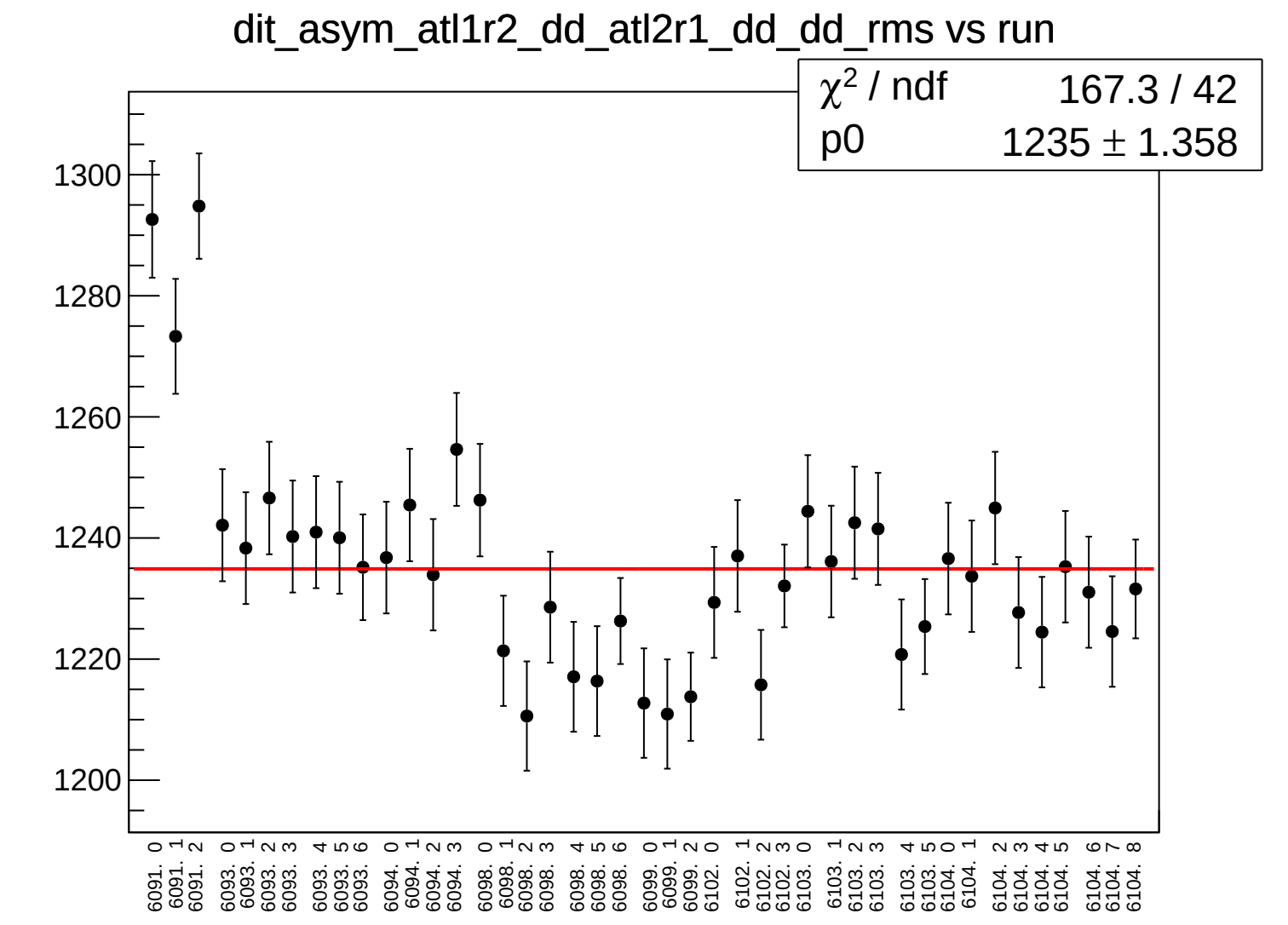

eigen_cor_asym_atl1r2_dd_atl2r1_dd_dd_rms vs run
χ² / ndf 177.2 / 42
p0 1223 ± 1.345
1300
1280
1260
1240
1220
1200
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

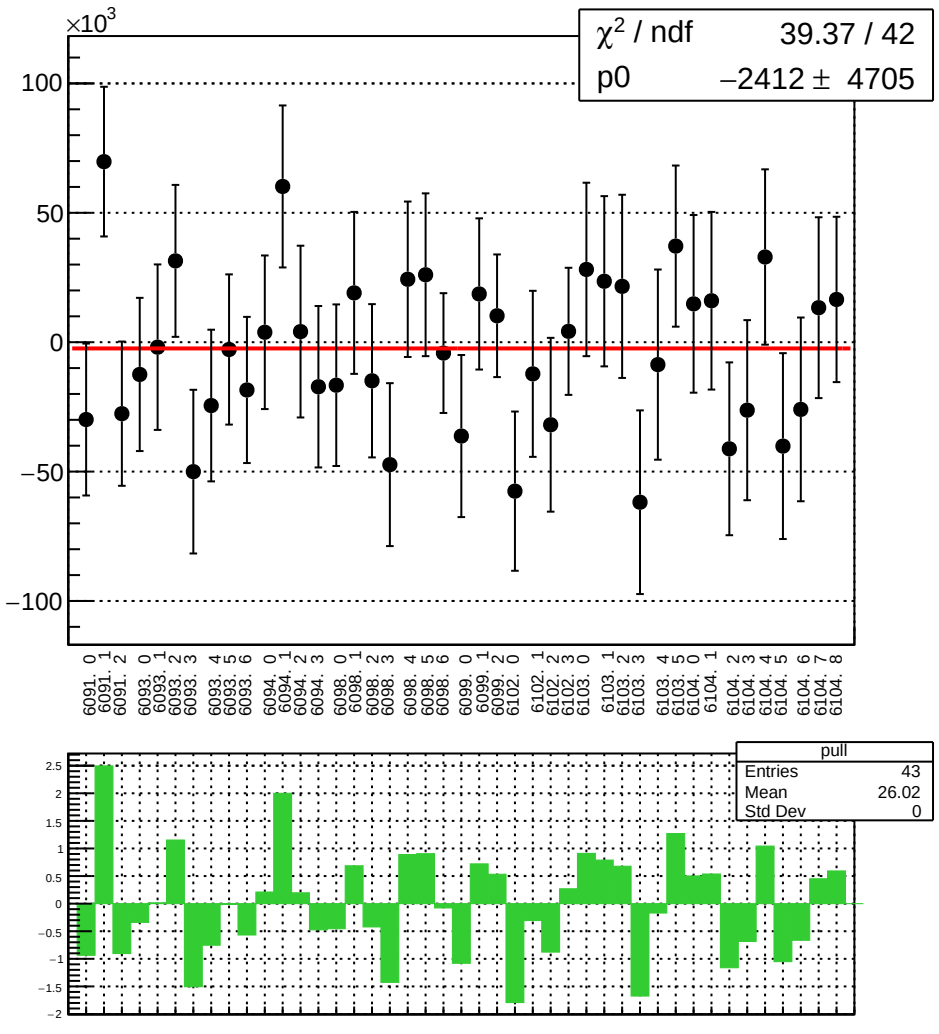

asym_atl1r2_dd_atl2r1_dd_dd_eigen_cor_correction_mean vs run
×10^3
χ² / ndf 39.41 / 42
p0 −2504 ± 4667
100
50
0
−50
−100
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 27.24
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 43
Mean −0.008877
Std Dev 0.9573
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

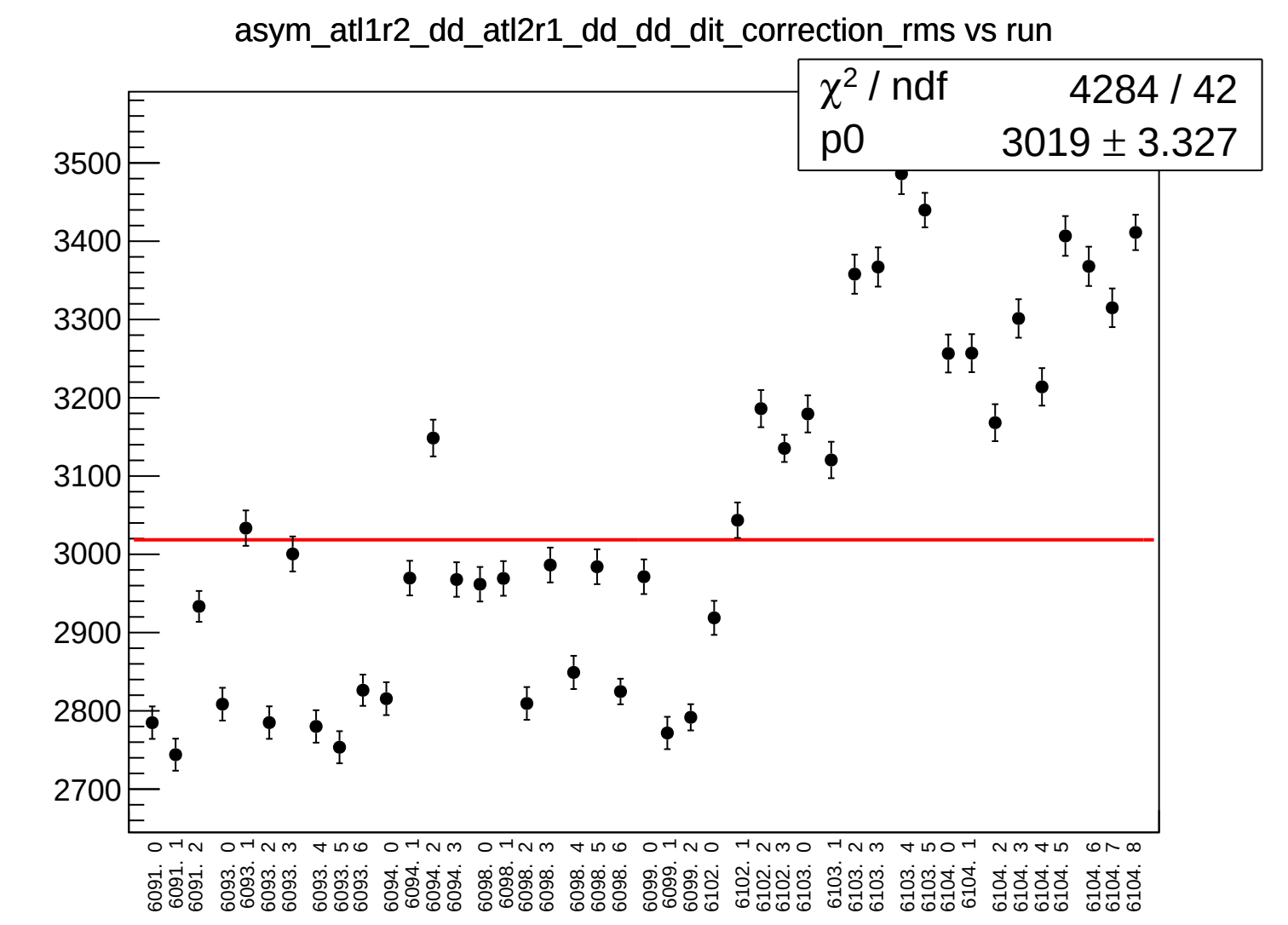

asym_atl1r2_dd_atl2r1_dd_dd_eigen_cor_correction_rms vs run
χ² / ndf 2342 / 42
p0 2998 ± 3.3
3400
3300
3200
3100
3000
2900
2800
2700
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

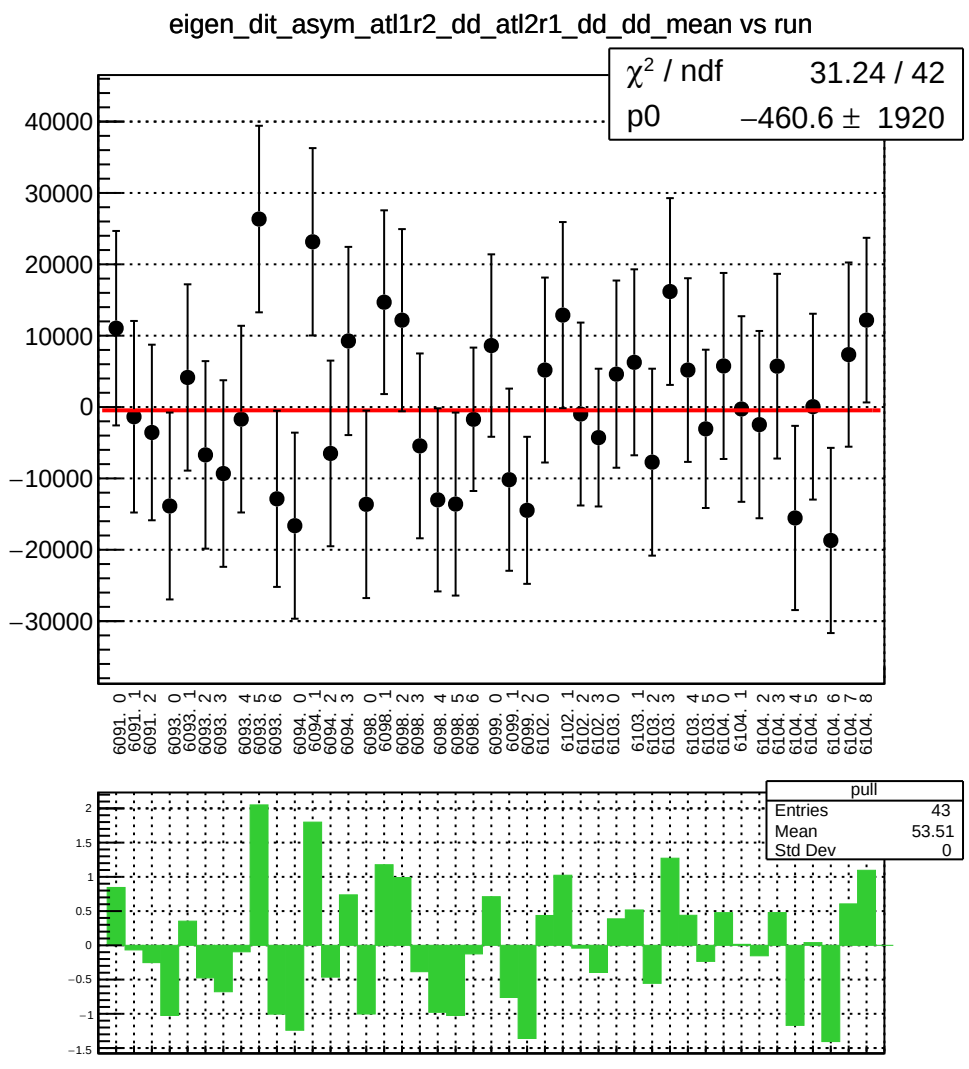

dit_asym_atl1r2_dd_atl2r1_dd_dd_mean vs run
χ² / ndf 31.24 / 42
p0 −460.6 ± 1920
40000
30000
20000
10000
0
−10000
−20000
−30000
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 53.51
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5

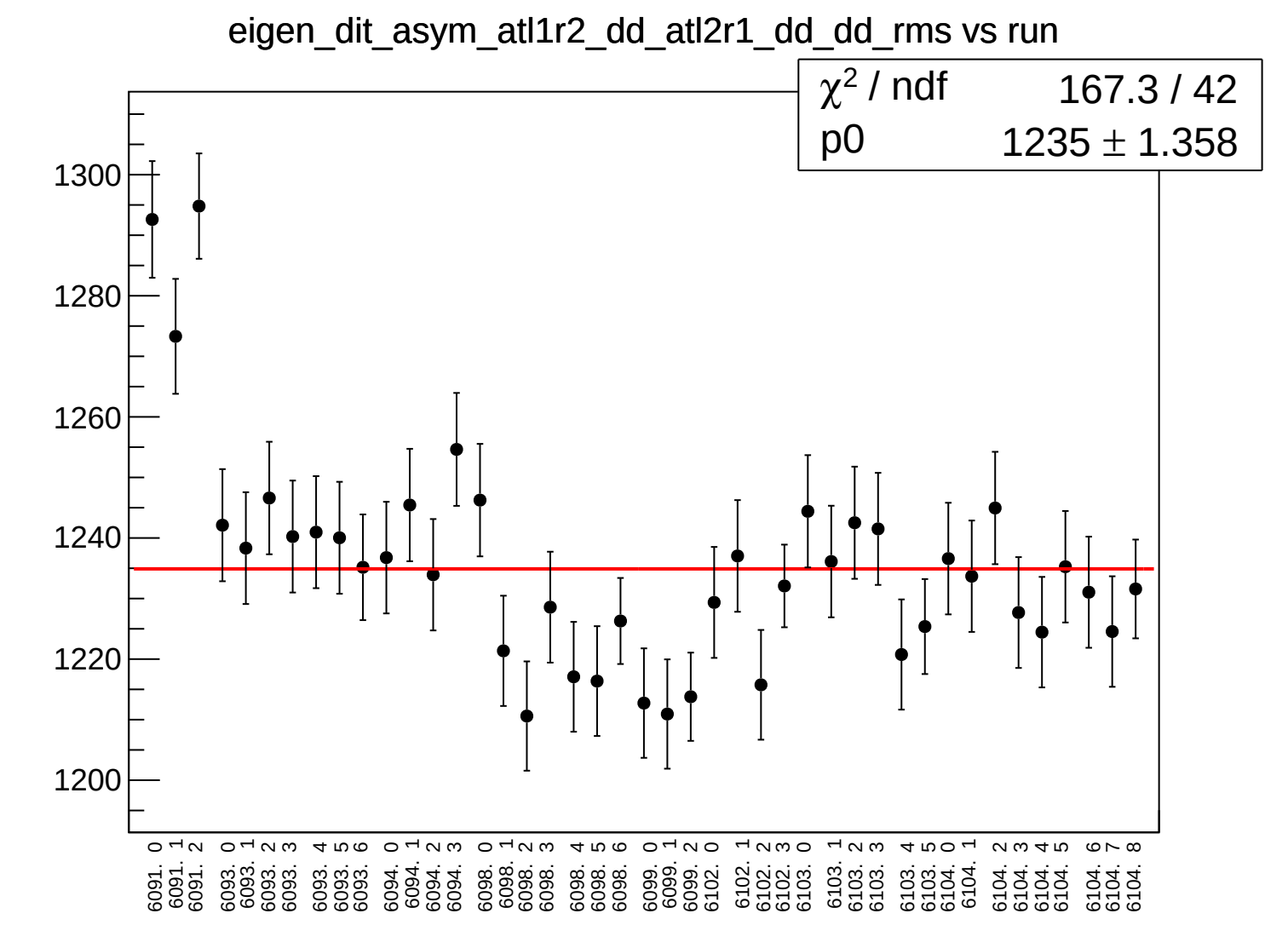

pull1D
Entries 43
Mean 0.01295
Std Dev 0.8523
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

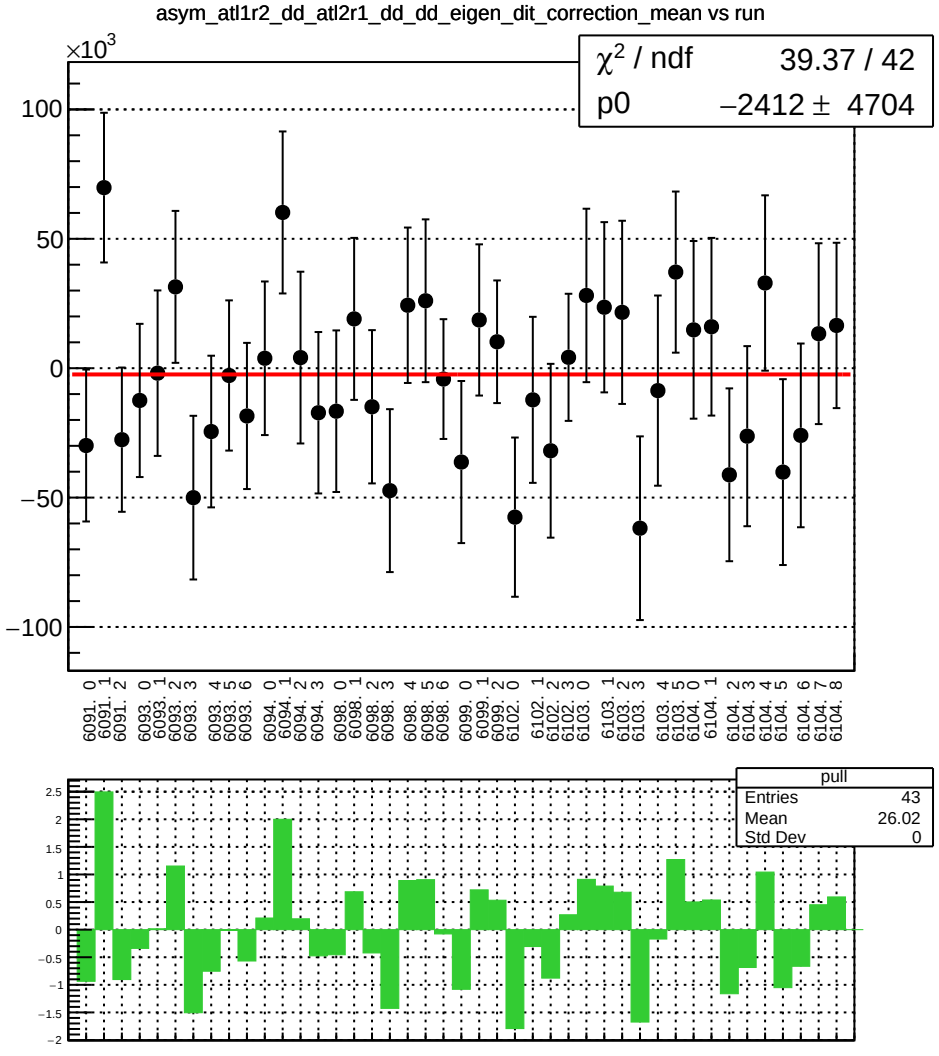

dit_asym_atl1r2_dd_atl2r1_dd_dd_rms vs run
χ² / ndf 167.3 / 42
p0 1235 ± 1.358
1300
1280
1260
1240
1220
1200
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

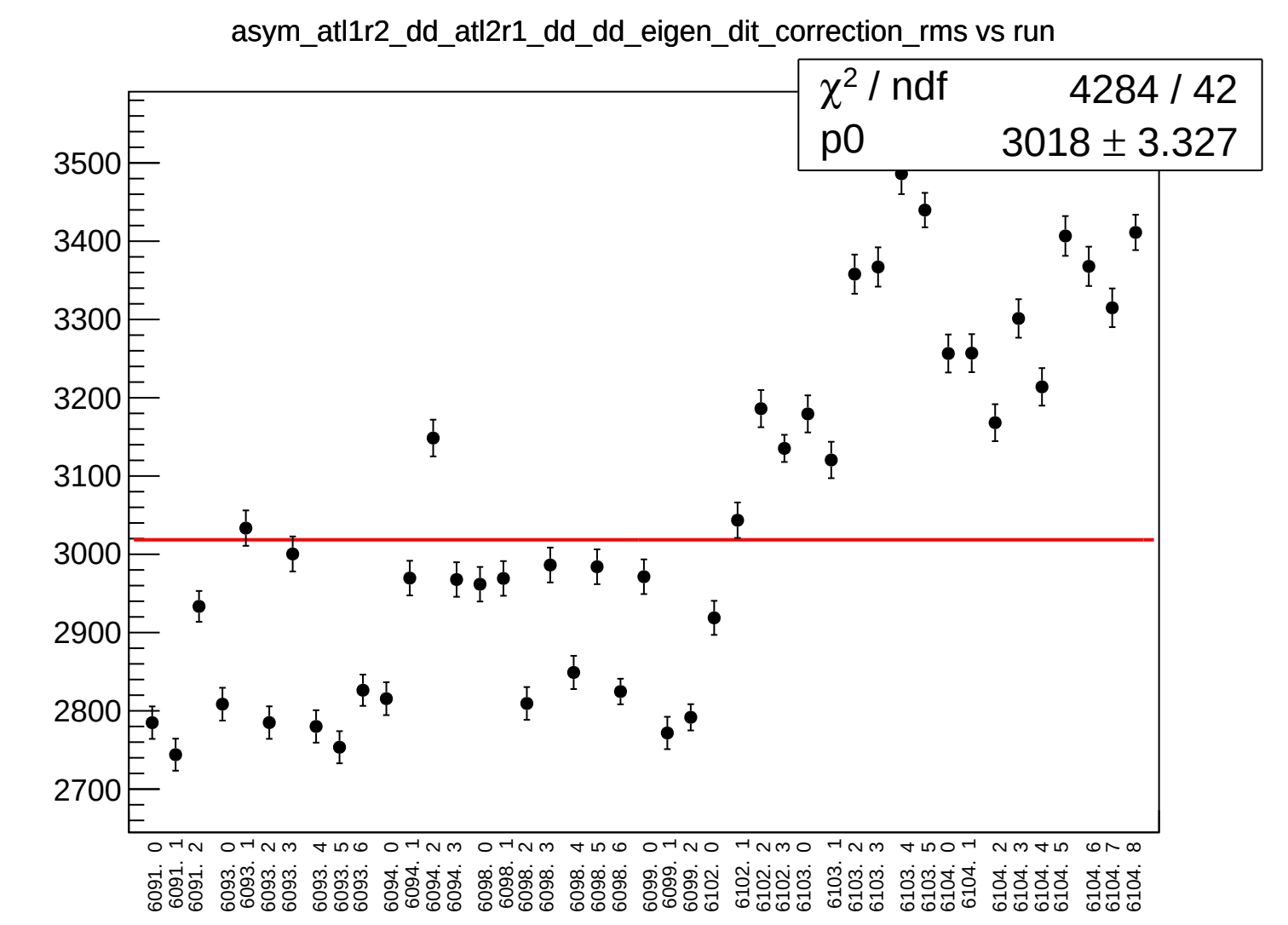

asym_atl1r2_dd_atl2r1_dd_dd_dit_correction_mean vs run
×10^3
χ² / ndf 39.37 / 42
p0 −2412 ± 4705
100
50
0
−50
−100
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 26.02
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 43
Mean −0.01136
Std Dev 0.9567
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

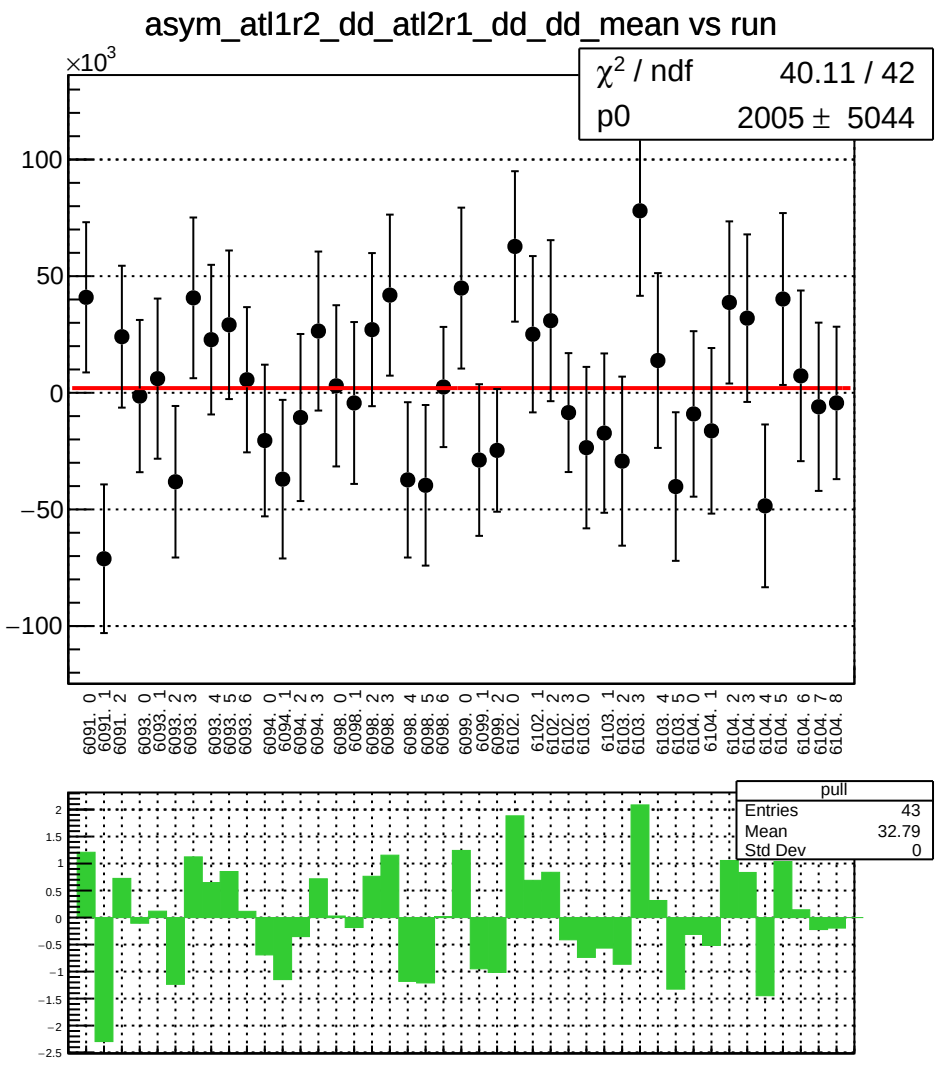

asym_atl1r2_dd_atl2r1_dd_dd_dit_correction_rms vs run
χ² / ndf 4284 / 42
p0 3019 ± 3.327
3500
3400
3300
3200
3100
3000
2900
2800
2700
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

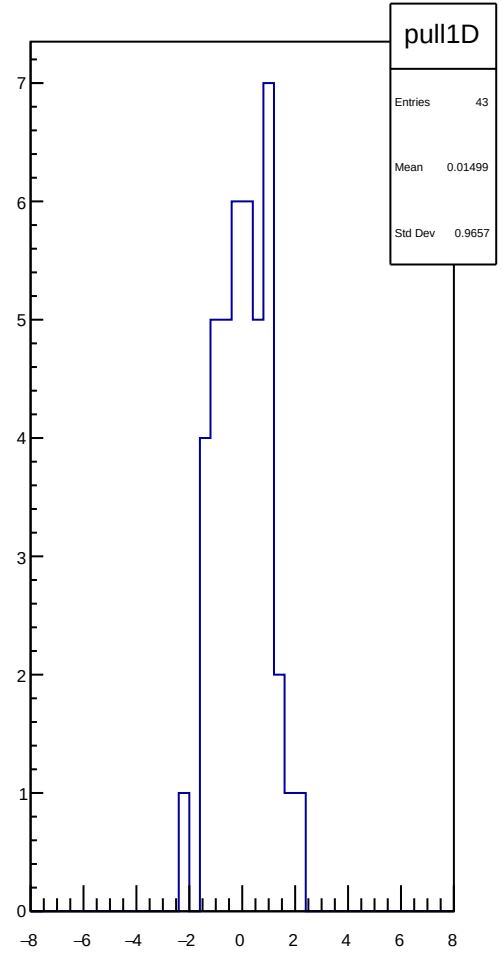

eigen_dit_asym_atl1r2_dd_atl2r1_dd_dd_mean vs run
χ² / ndf 31.24 / 42
p0 −460.6 ± 1920
40000
30000
20000
10000
0
−10000
−20000
−30000
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 53.51
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 43
Mean 0.01295
Std Dev 0.8523
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

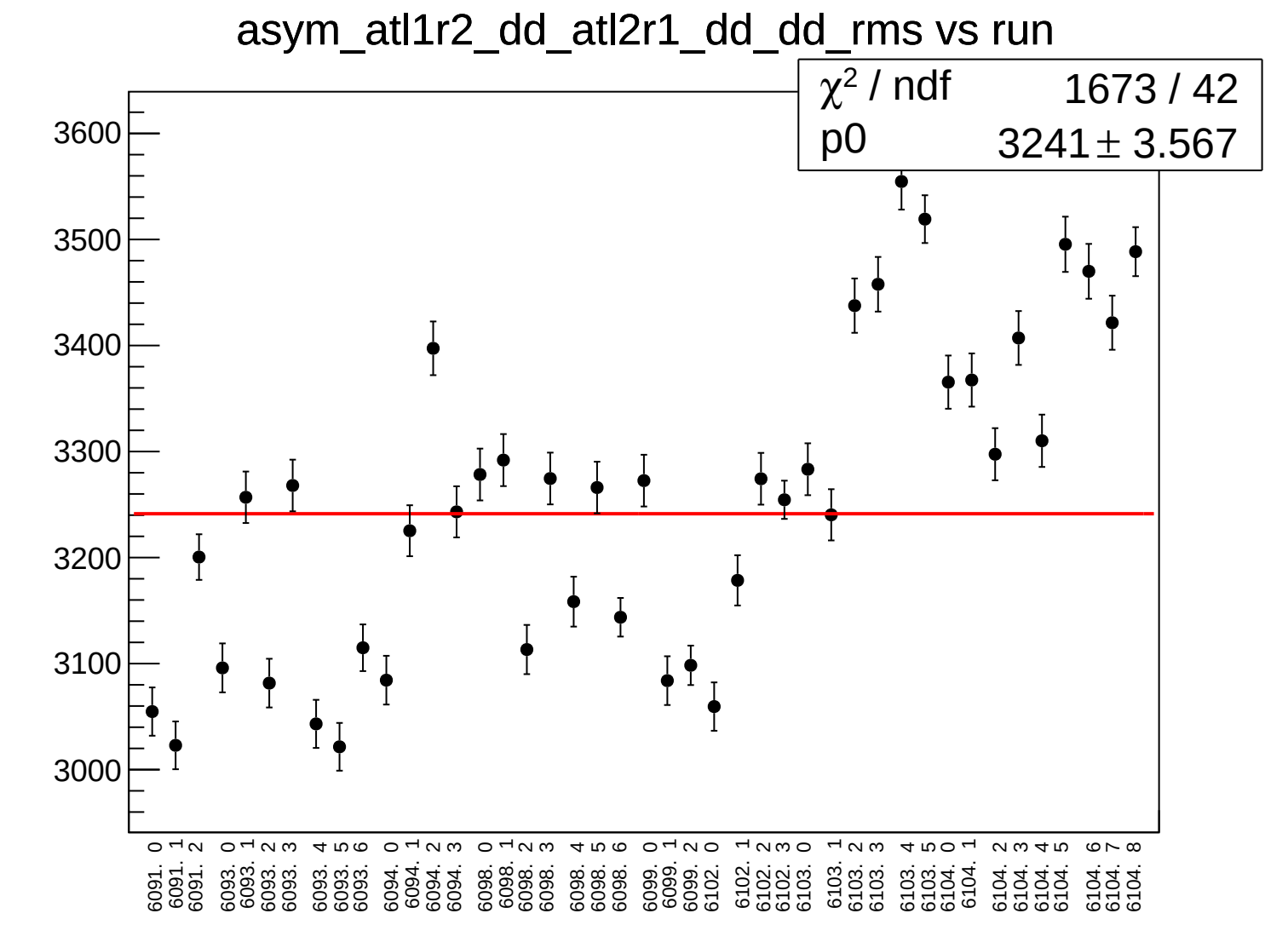

eigen_dit_asym_atl1r2_dd_atl2r1_dd_dd_rms vs run
χ² / ndf 167.3 / 42
p0 1235 ± 1.358
1300
1280
1260
1240
1220
1200
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

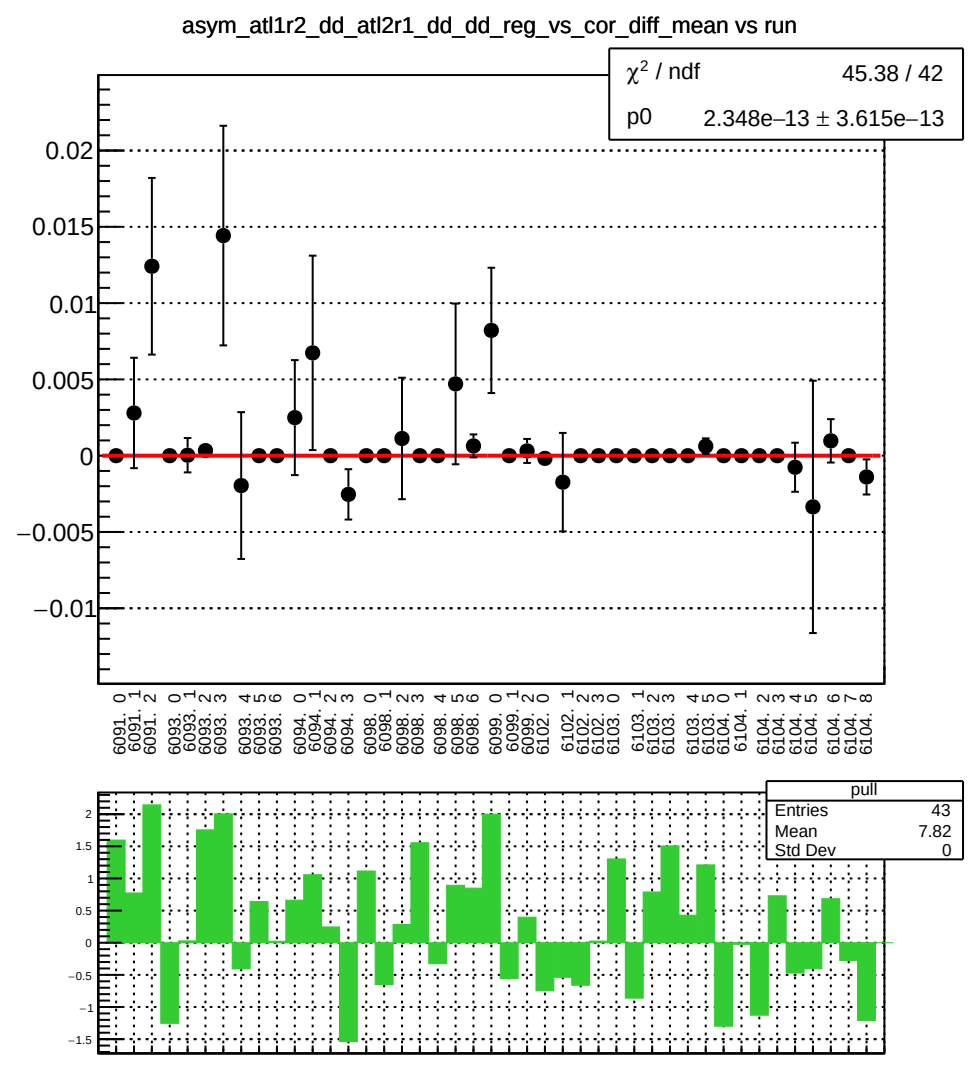

asym_atl1r2_dd_atl2r1_dd_dd_eigen_dit_correction_mean vs run
×10^3
χ² / ndf 39.37 / 42
p0 −2412 ± 4704
100
50
0
−50
−100
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 26.02
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 43
Mean −0.01136
Std Dev 0.9567
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

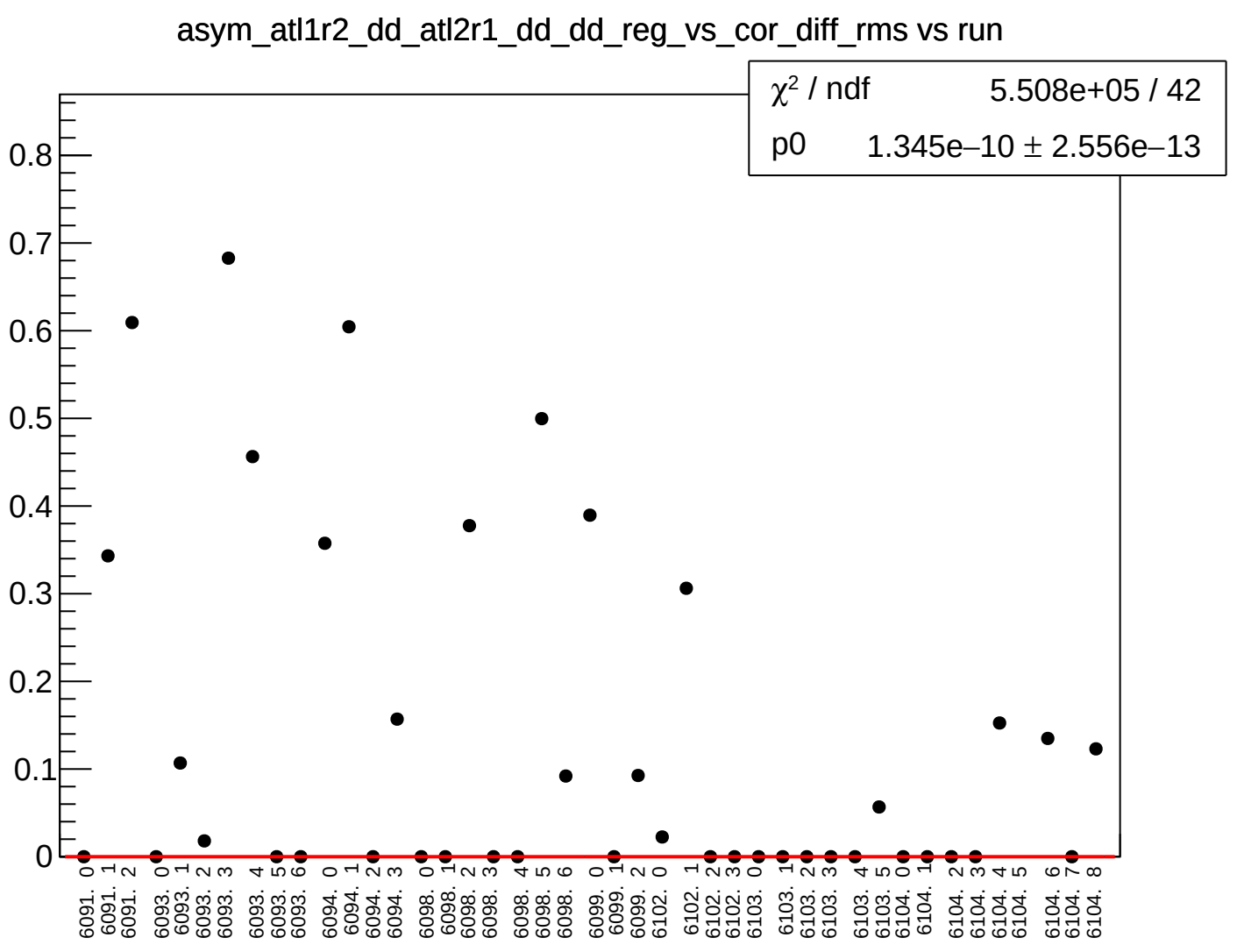

asym_atl1r2_dd_atl2r1_dd_dd_eigen_dit_correction_rms vs run
χ² / ndf 4284 / 42
p0 3018 ± 3.327
3500
3400
3300
3200
3100
3000
2900
2800
2700
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8


asym_atl1r2_dd_atl2r1_dd_dd_mean vs run
×10^3
χ² / ndf 40.11 / 42
p0 2005 ± 5044
100
50
0
−50
−100
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 32.79
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

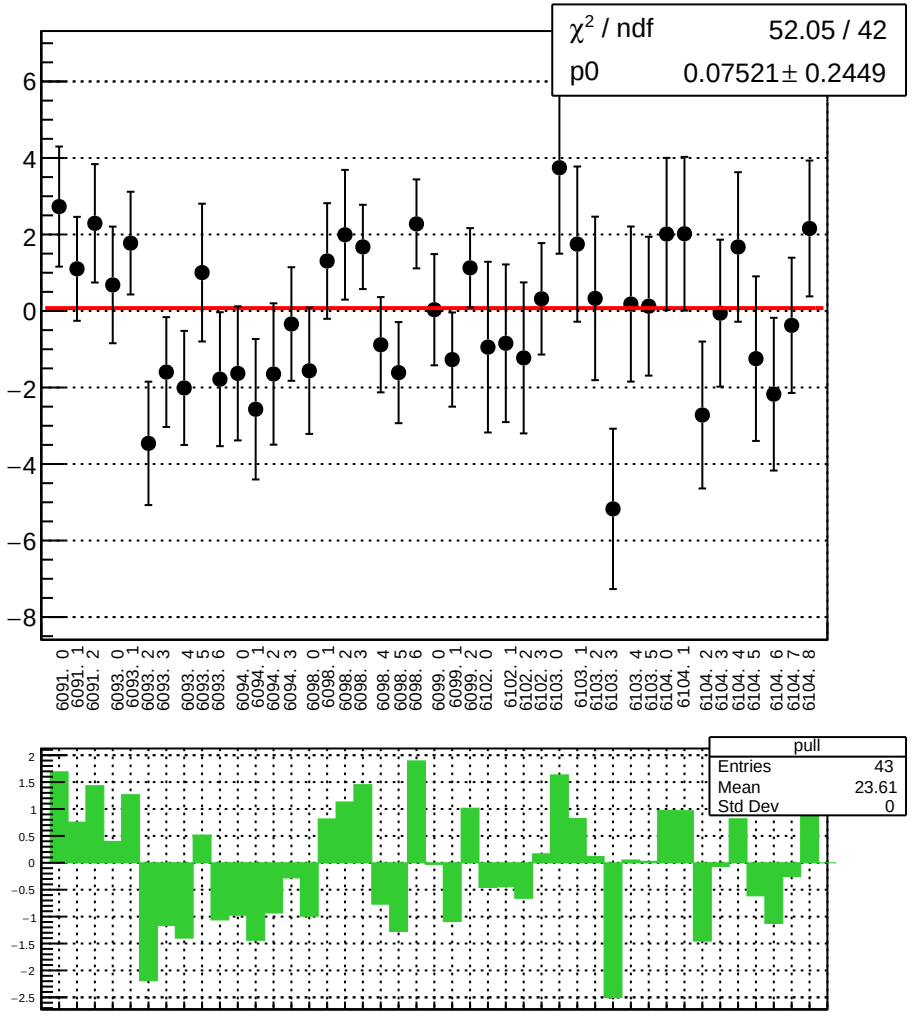

pull1D
Entries 43
Mean 0.01499
Std Dev 0.9657
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

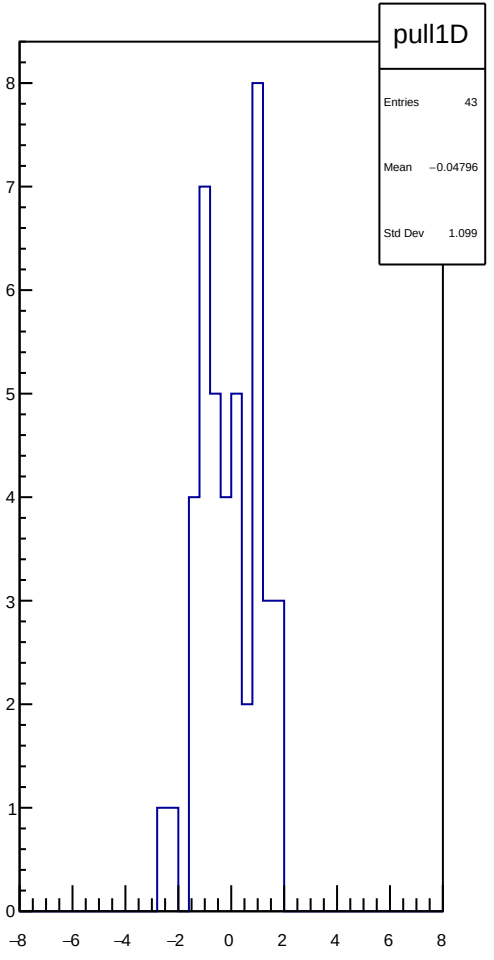

asym_atl1r2_dd_atl2r1_dd_dd_rms vs run
χ² / ndf 1673 / 42
p0 3241 ± 3.567
3600
3500
3400
3300
3200
3100
3000
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

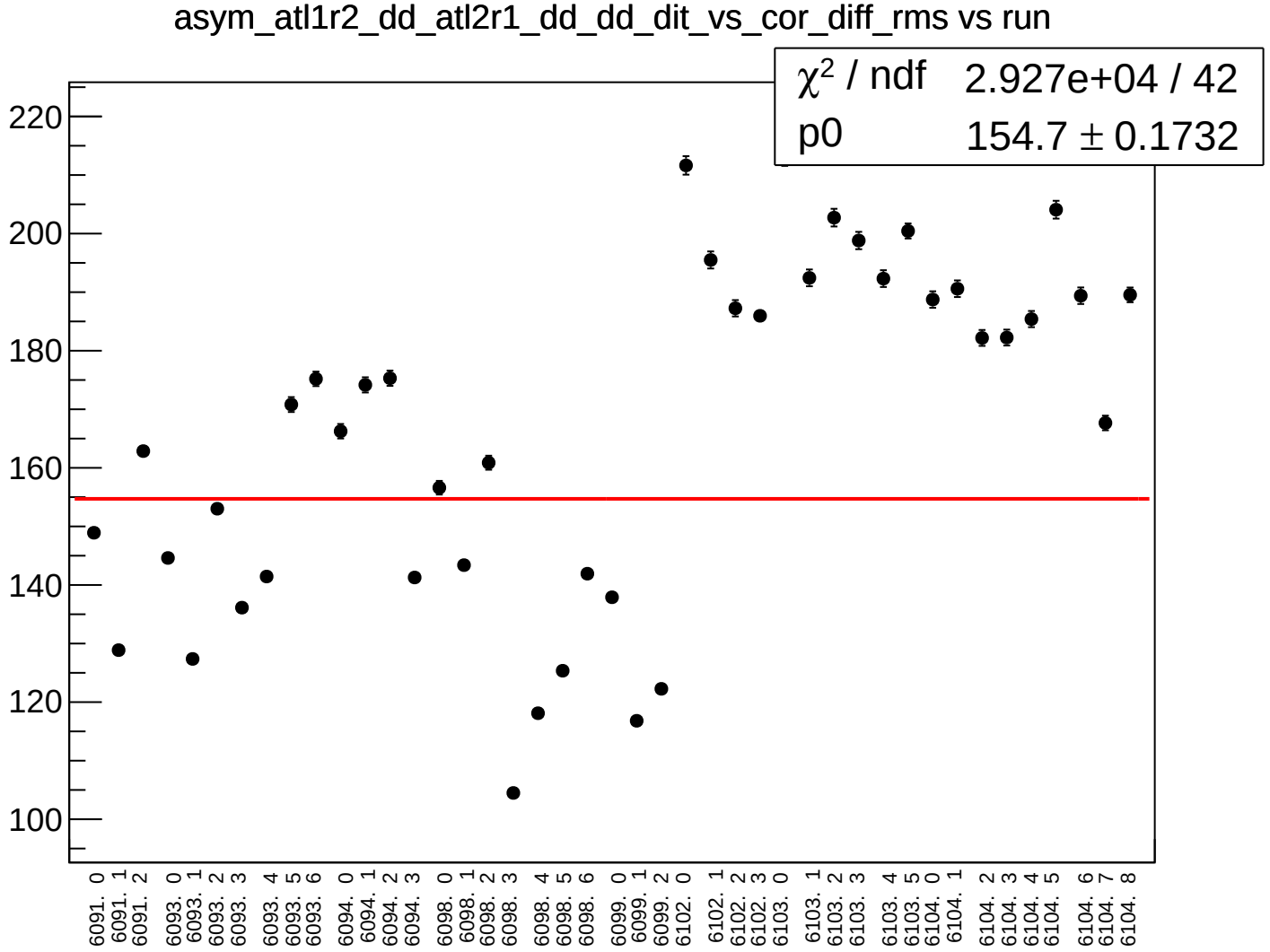

asym_atl1r2_dd_atl2r1_dd_dd_reg_vs_cor_diff_mean vs run
χ² / ndf 45.38 / 42
p0 2.348e−13 ± 3.615e−13
0.02
0.015
0.01
0.005
0
−0.005
−0.01
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 7.82
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 43
Mean 0.2873
Std Dev 0.9863
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

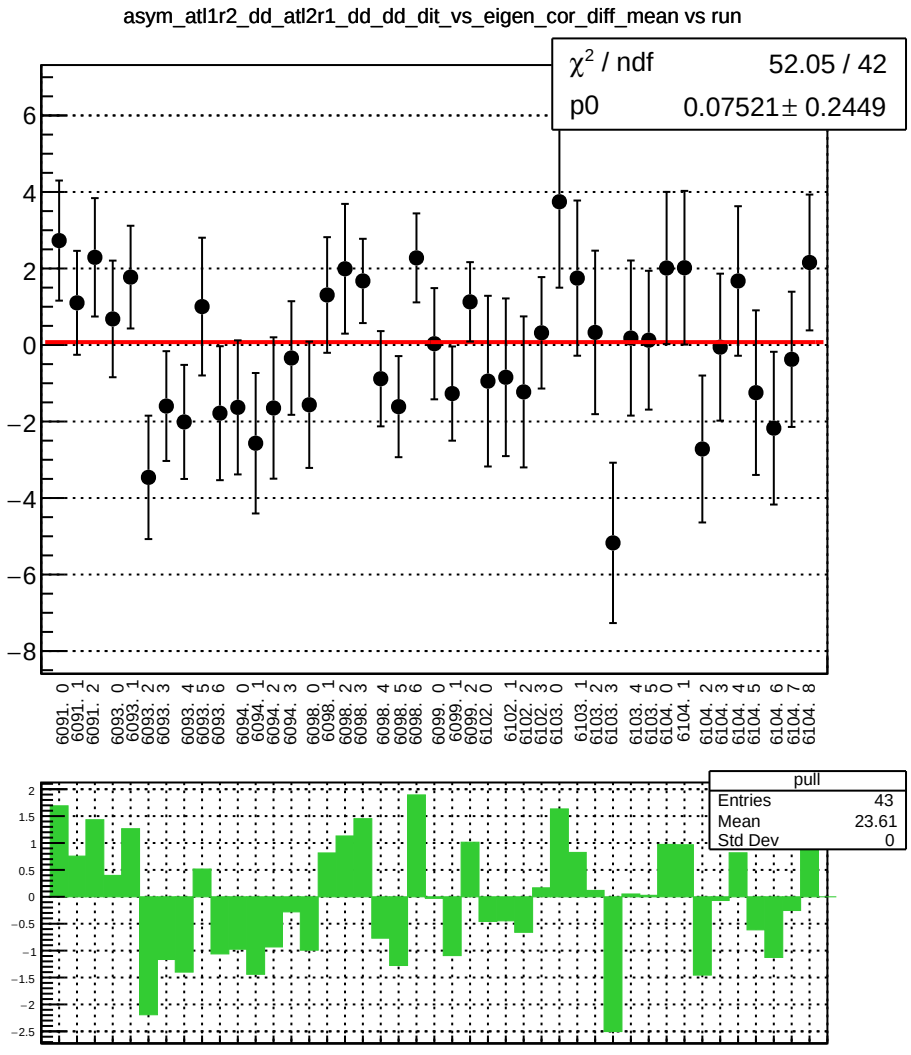

asym_atl1r2_dd_atl2r1_dd_dd_reg_vs_cor_diff_rms vs run
χ² / ndf 5.508e+05 / 42
p0 1.345e−10 ± 2.556e−13
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

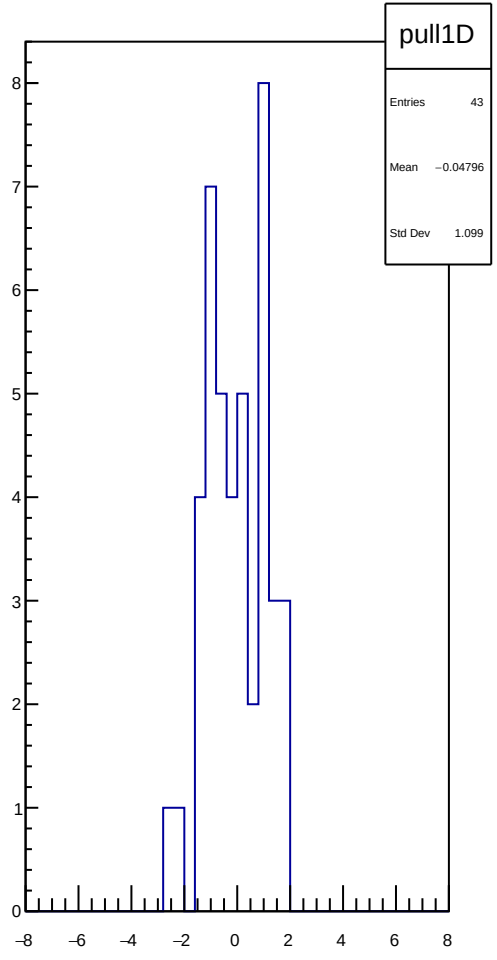
asym_atl1r2_dd_atl2r1_dd_dd_dit_vs_cor_diff_mean vs run

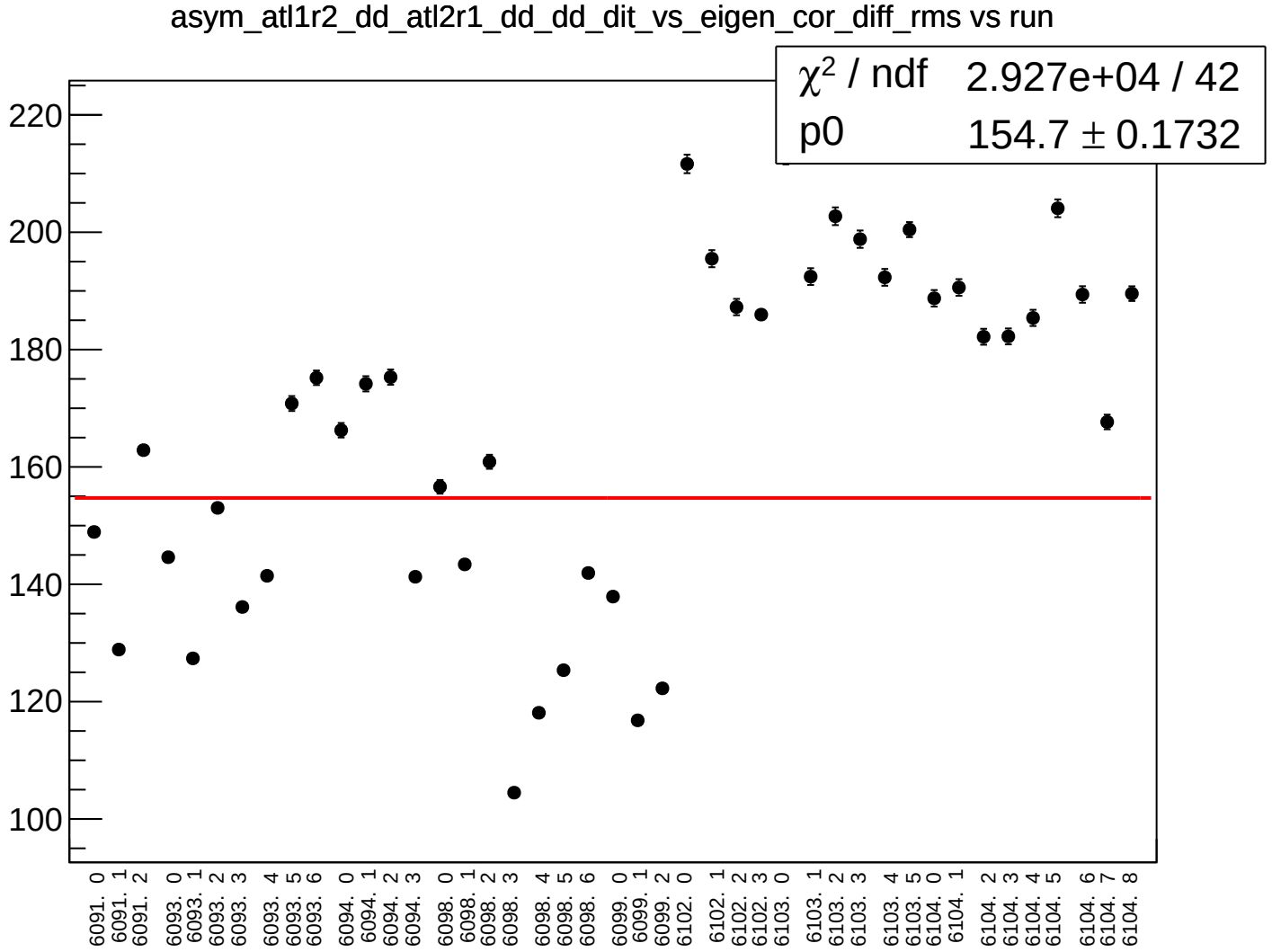


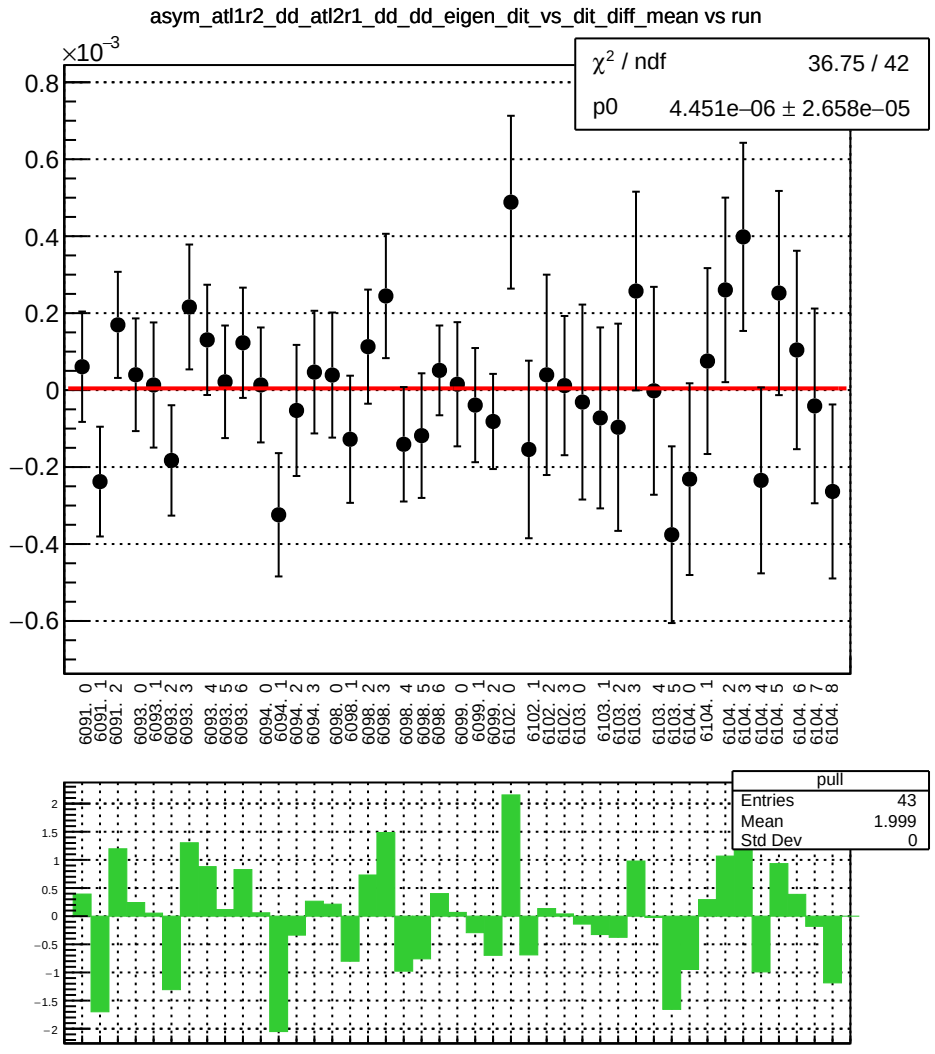


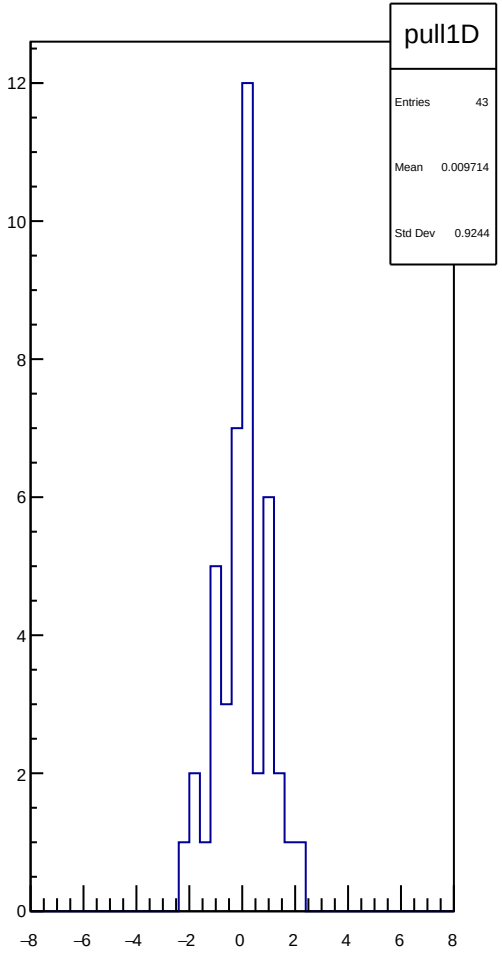

asym_atl1r2_dd_atl2r1_dd_dd_dit_vs_cor_diff_rms vs run
χ² / ndf 2.927e+04 / 42
p0 154.7 ± 0.1732
220
200
180
160
140
120
100
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

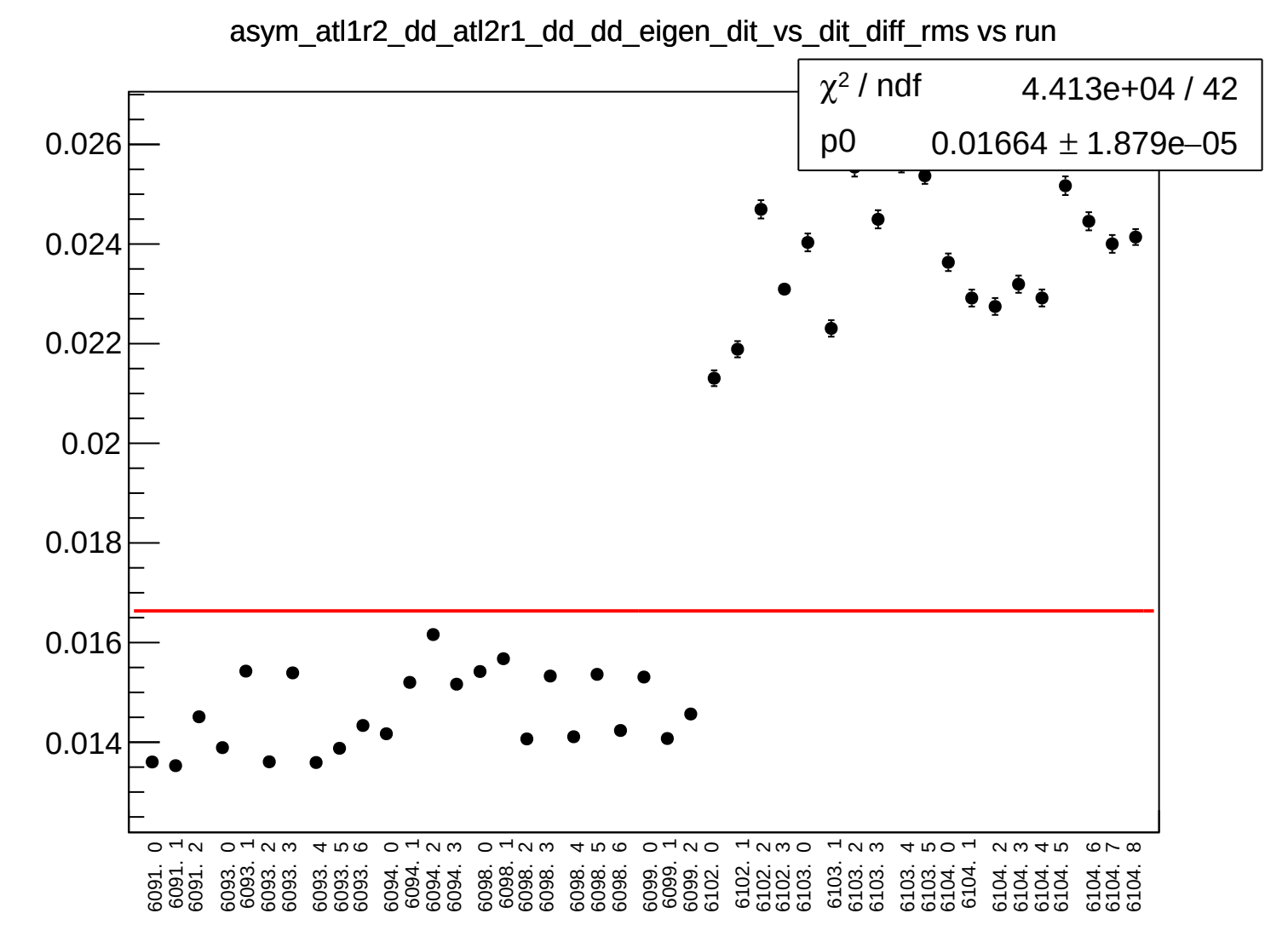

asym_atl1r2_dd_atl2r1_dd_dd_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 52.05 / 42
p0 0.07521 ± 0.2449
pull
Entries 43
Mean 23.61
Std Dev 0

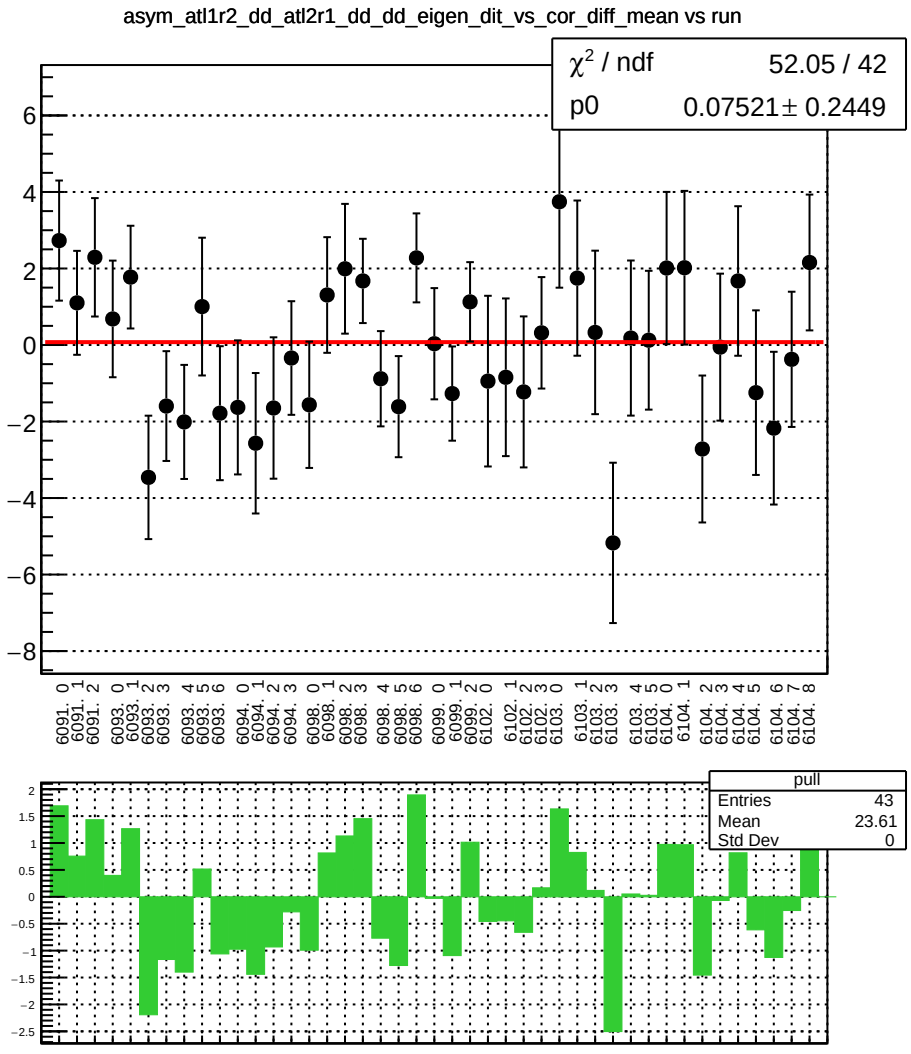

pull1D
Entries 43
Mean −0.04796
Std Dev 1.099

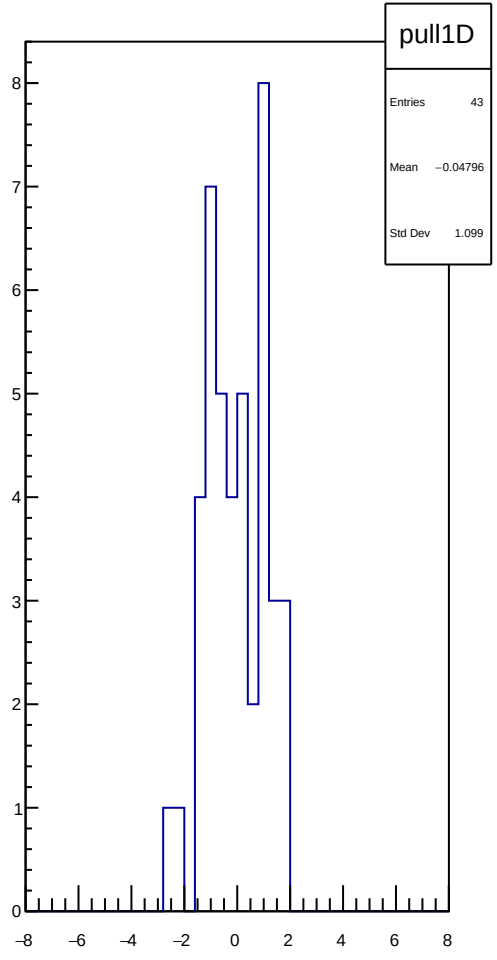

asym_atl1r2_dd_atl2r1_dd_dd_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 2.927e+04 / 42
p0 154.7 ± 0.1732
220
200
180
160
140
120
100
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

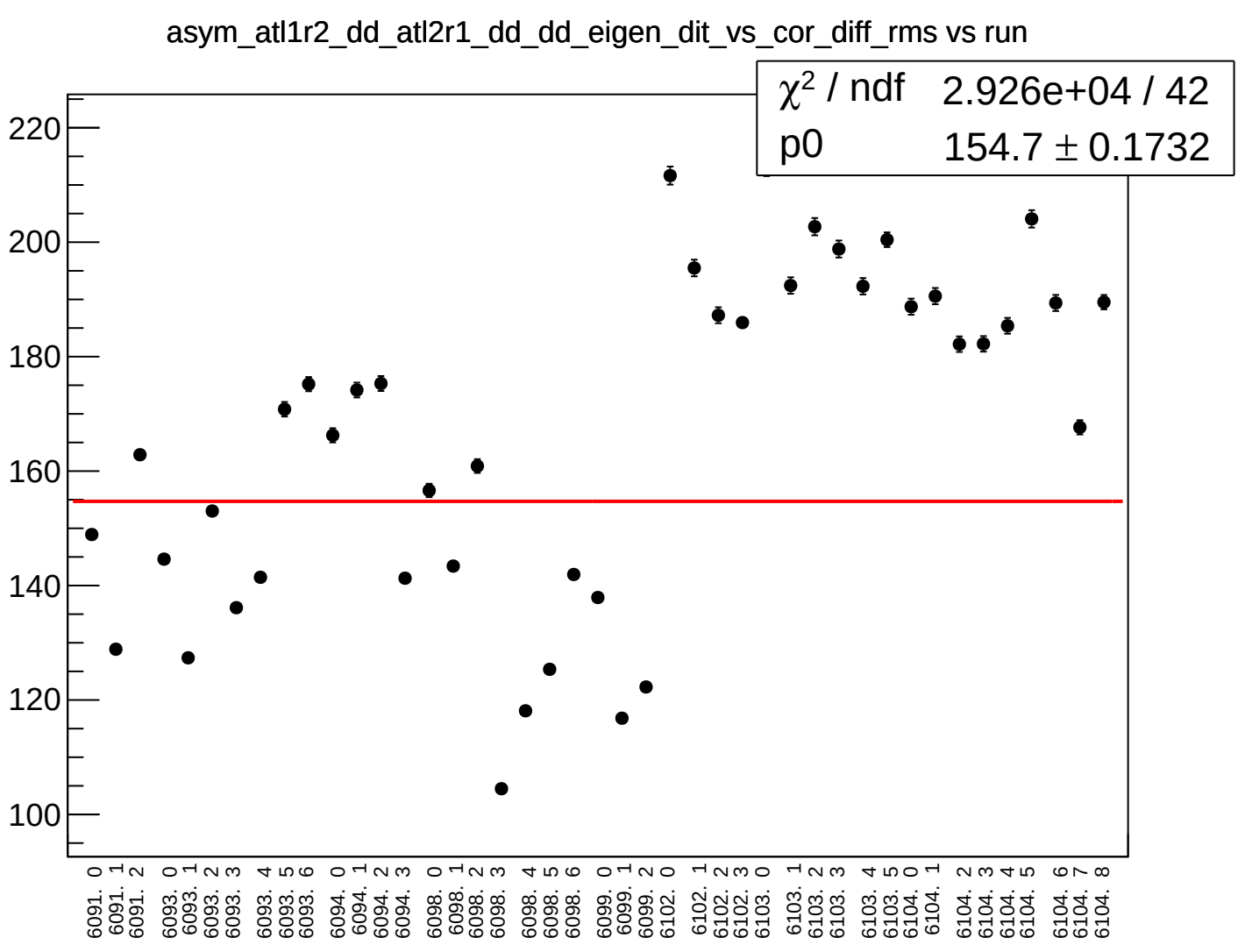

asym_atl1r2_dd_atl2r1_dd_dd_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 36.75 / 42
p0 4.451e−06 ± 2.658e−05
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 1.999
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

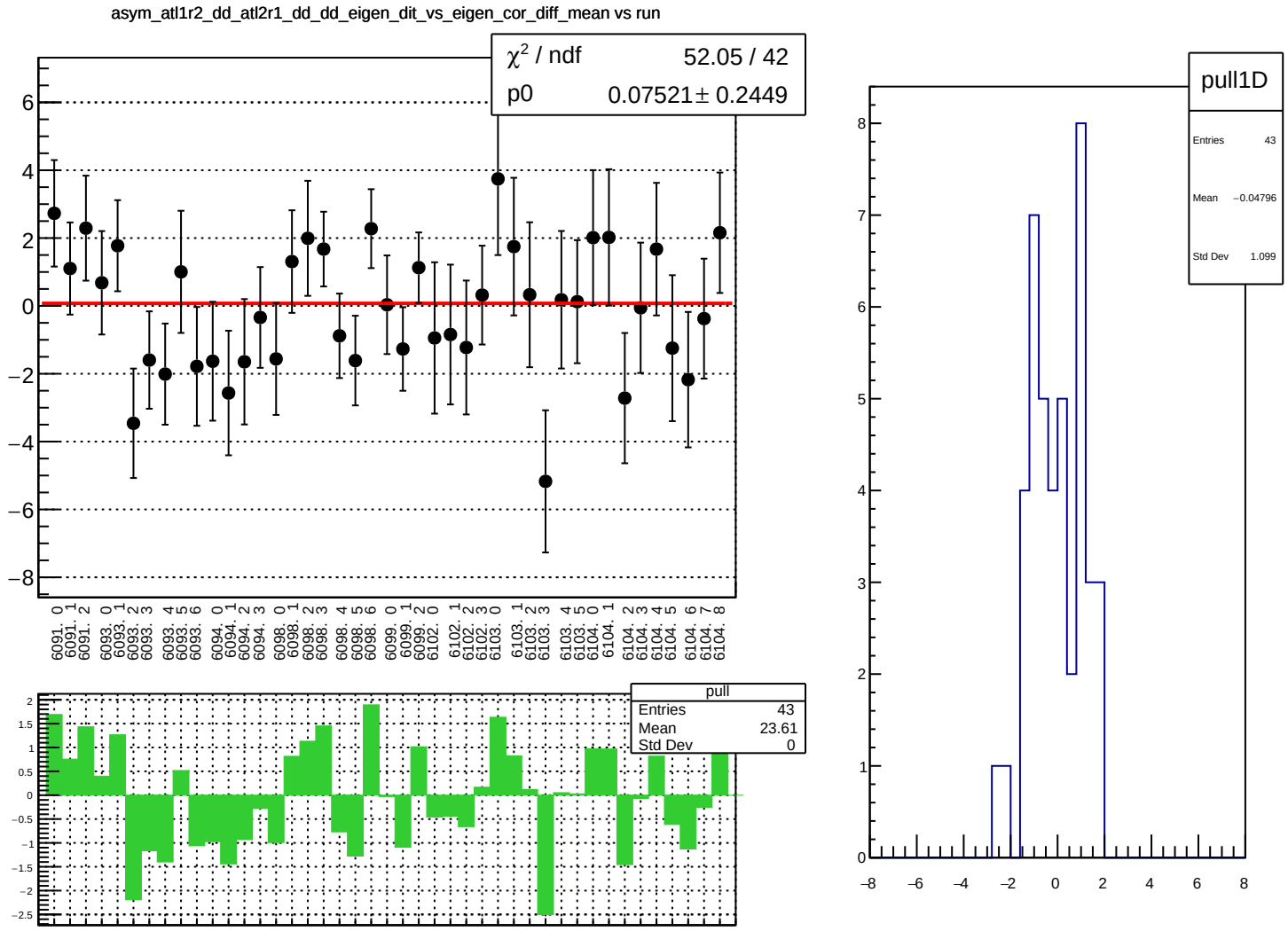

pull1D
Entries 43
Mean 0.009714
Std Dev 0.9244
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

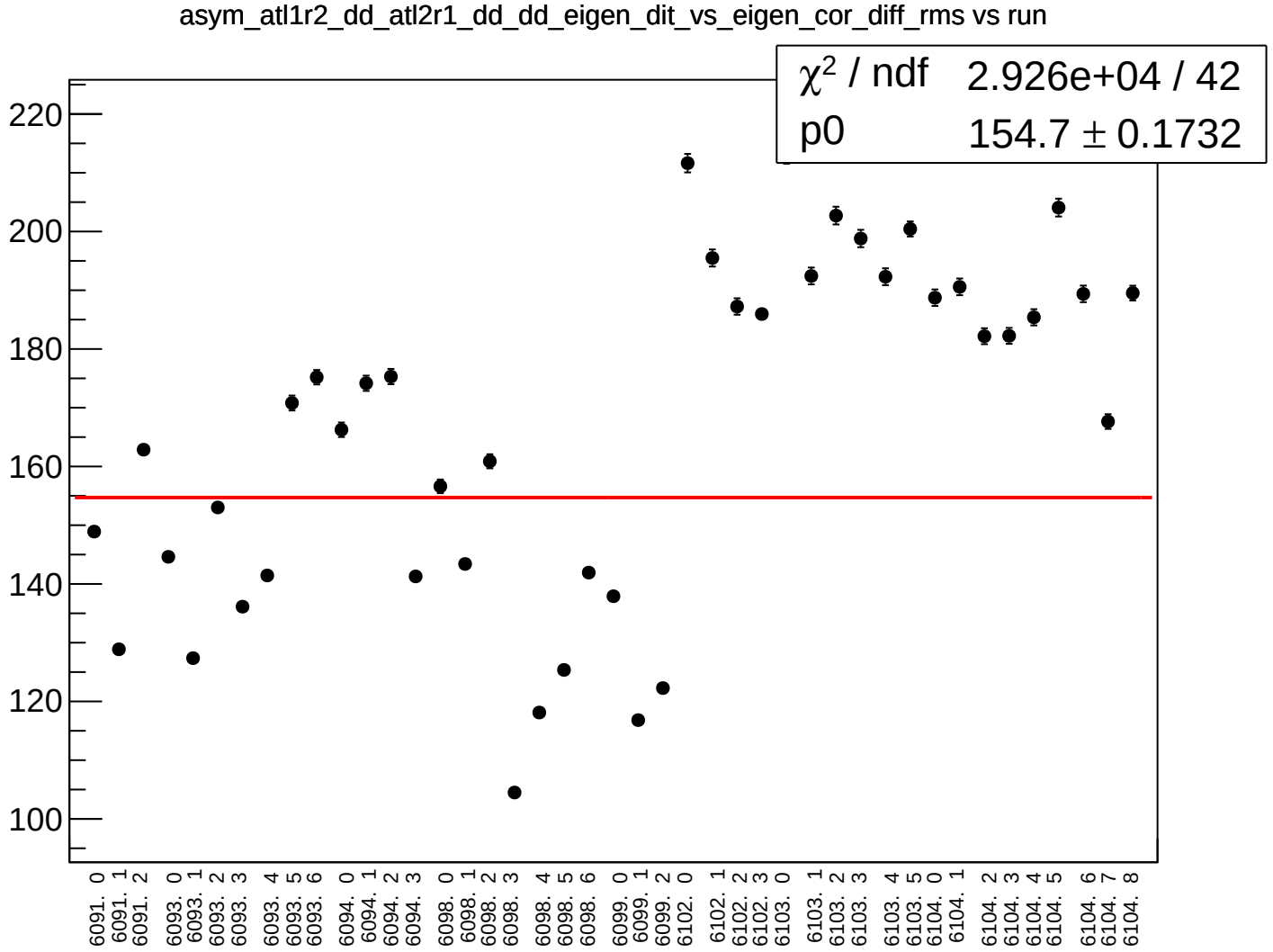

asym_atl1r2_dd_atl2r1_dd_dd_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 4.413e+04 / 42
p0 0.01664 ± 1.879e−05
0.026
0.024
0.022
0.02
0.018
0.016
0.014
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

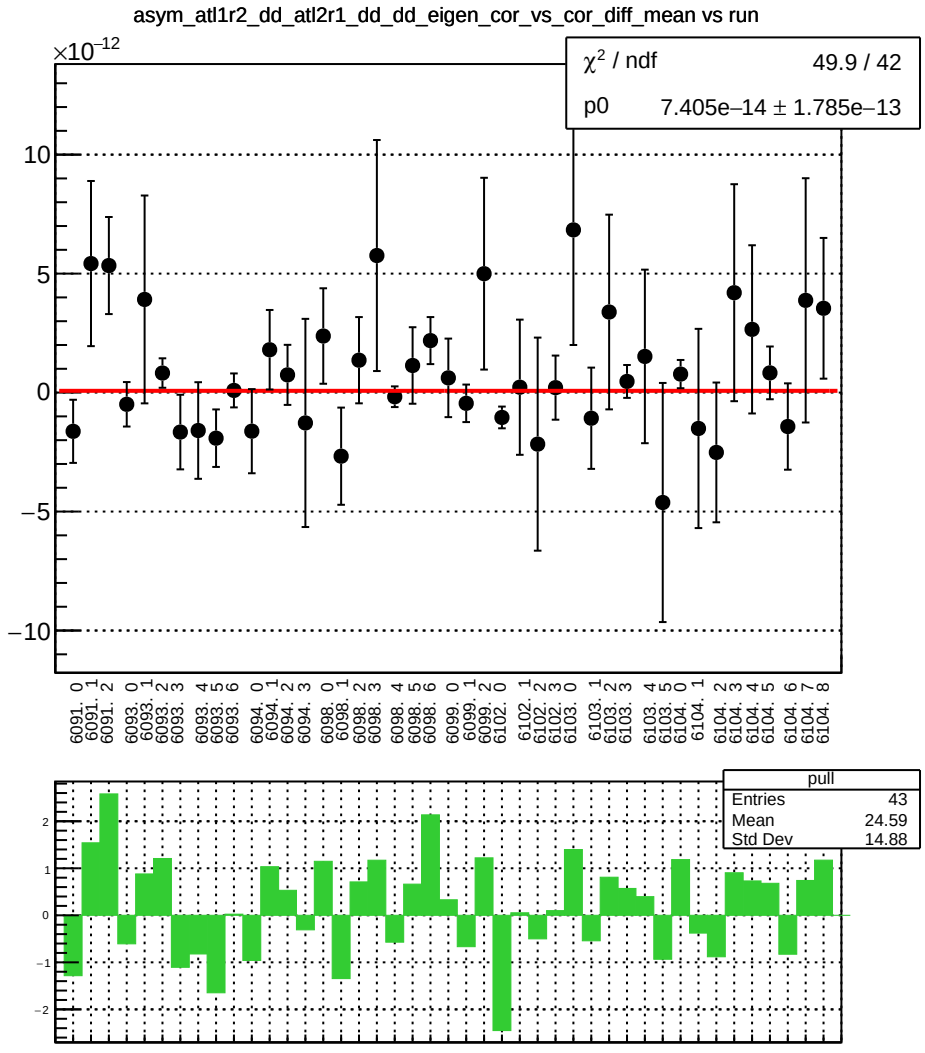

asym_atl1r2_dd_atl2r1_dd_dd_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 52.05 / 42
p0 0.07521 ± 0.2449
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 23.61
Std Dev 0

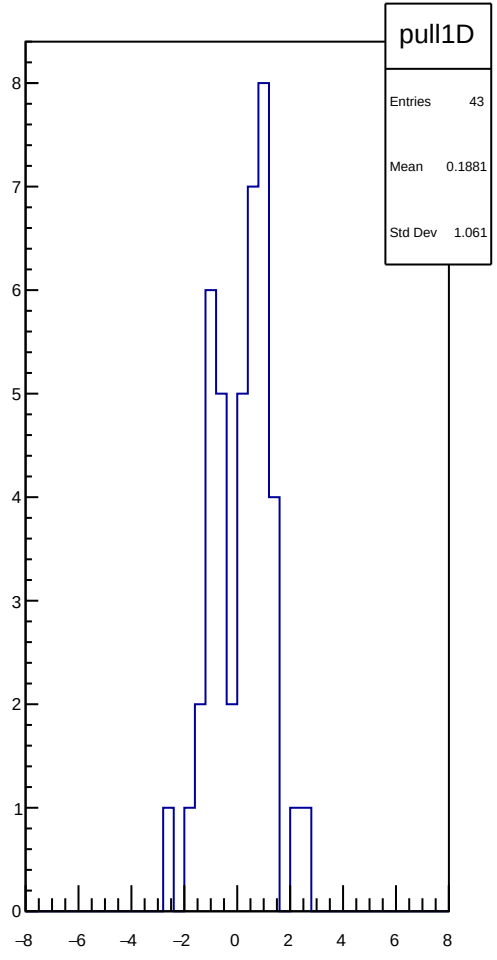

pull1D
Entries 43
Mean −0.04796
Std Dev 1.099

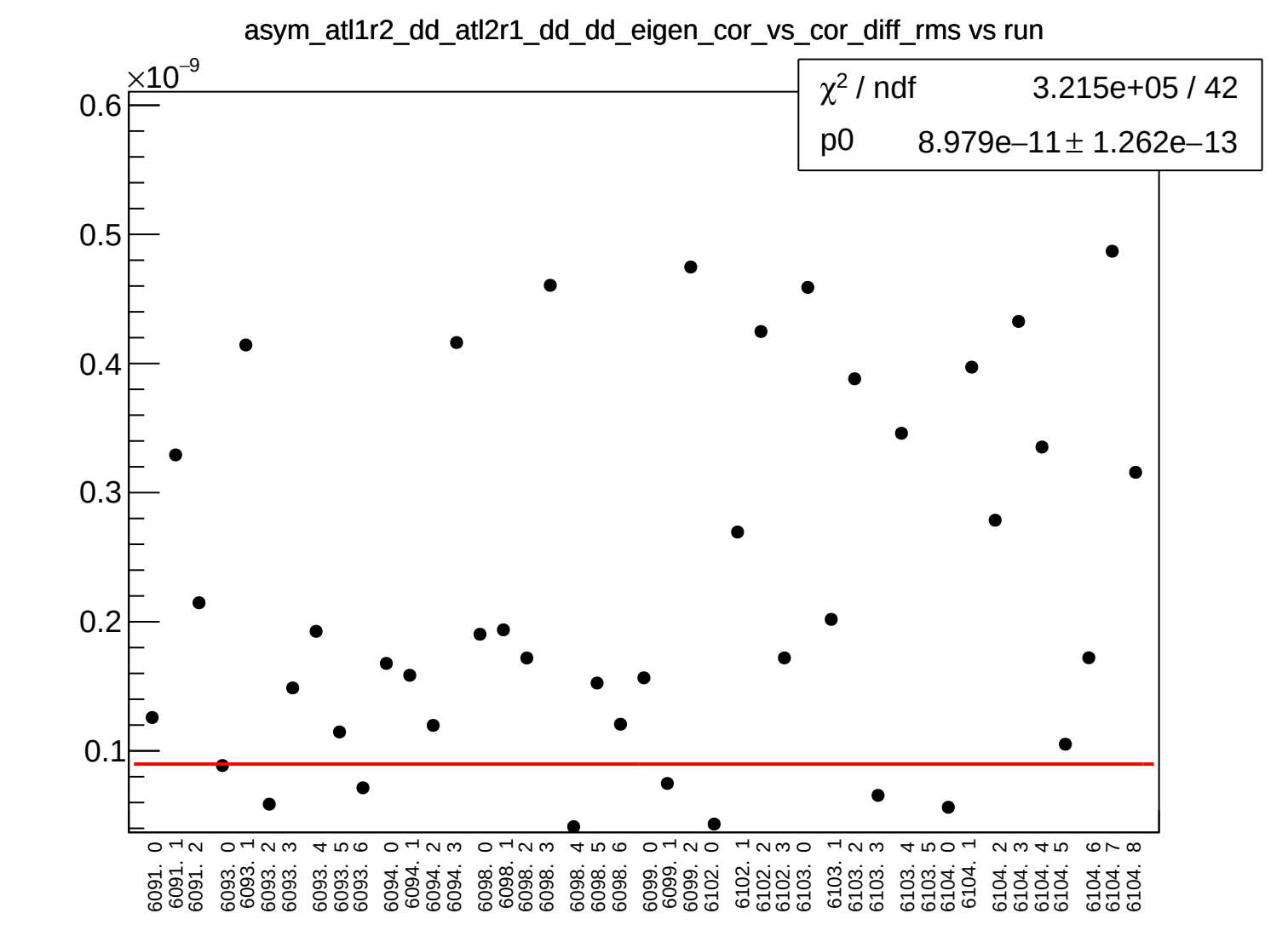

asym_atl1r2_dd_atl2r1_dd_dd_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 2.926e+04 / 42
p0 154.7 ± 0.1732
220
200
180
160
140
120
100
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

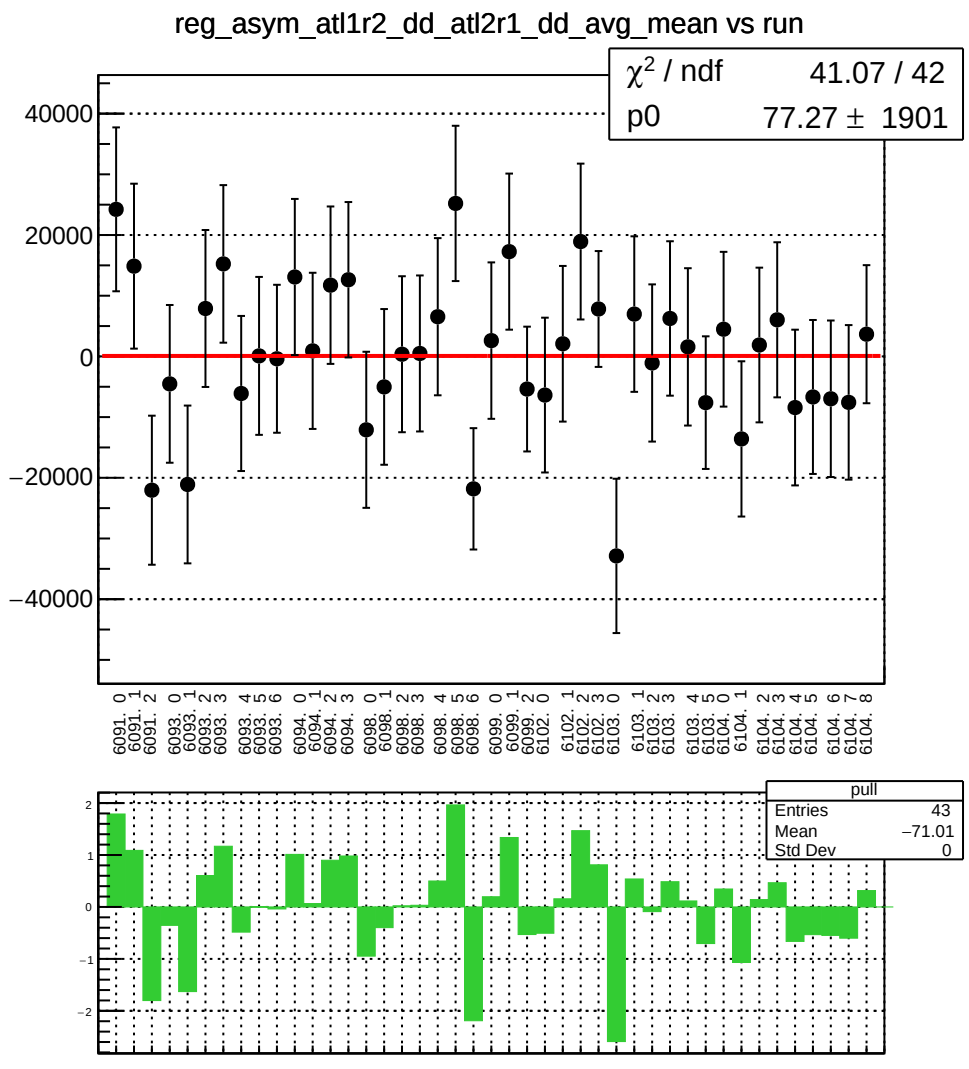

asym_atl1r2_dd_atl2r1_dd_dd_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 52.05 / 42
p0 0.07521 ± 0.2449
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 23.61
Std Dev 0
pull1D
Entries 43
Mean −0.04796
Std Dev 1.099

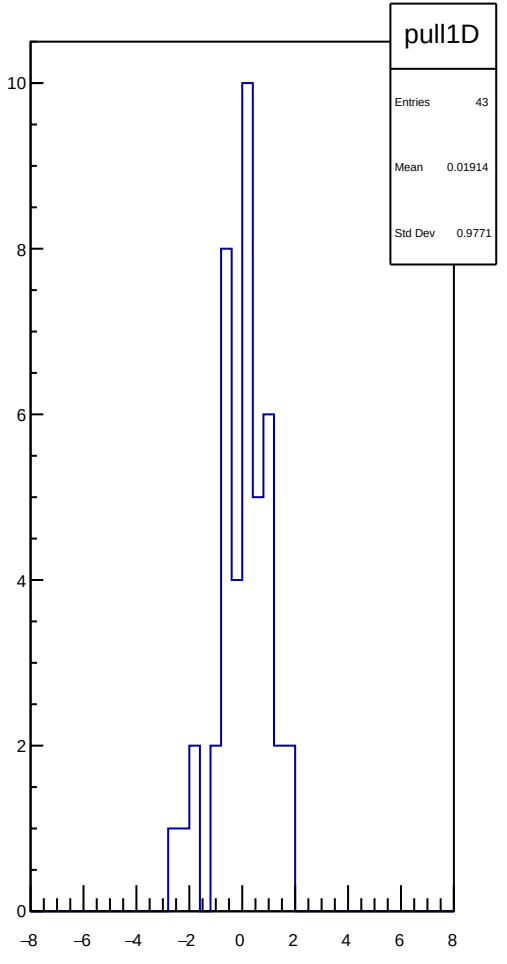

asym_atl1r2_dd_atl2r1_dd_dd_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 2.926e+04 / 42
p0 154.7 ± 0.1732
220
200
180
160
140
120
100
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

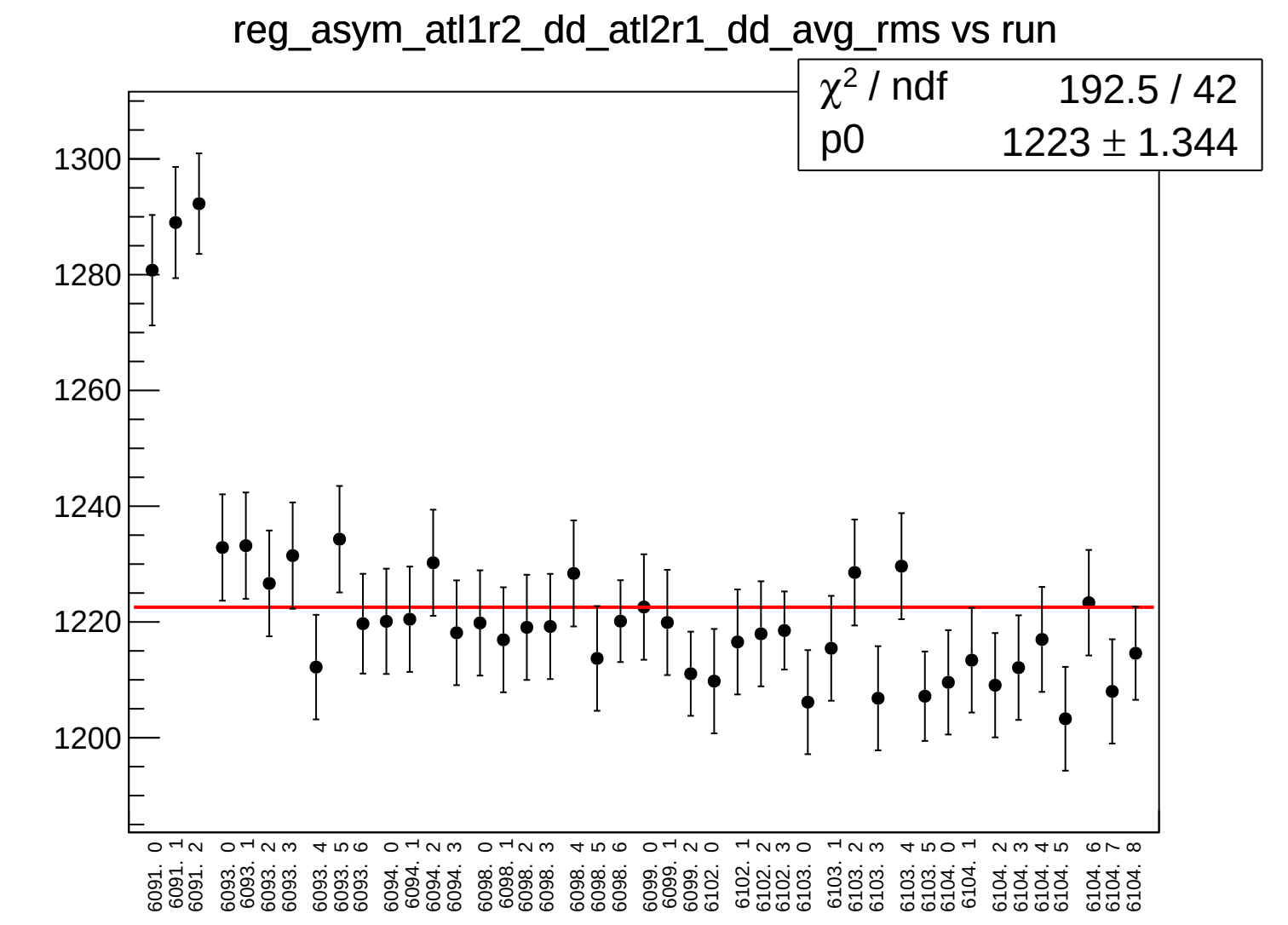

asym_atl1r2_dd_atl2r1_dd_dd_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 49.9 / 42
p0 7.405e−14 ± 1.785e−13
10
5
0
−5
−10
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 24.59
Std Dev 14.88
2
1
0
−1
−2

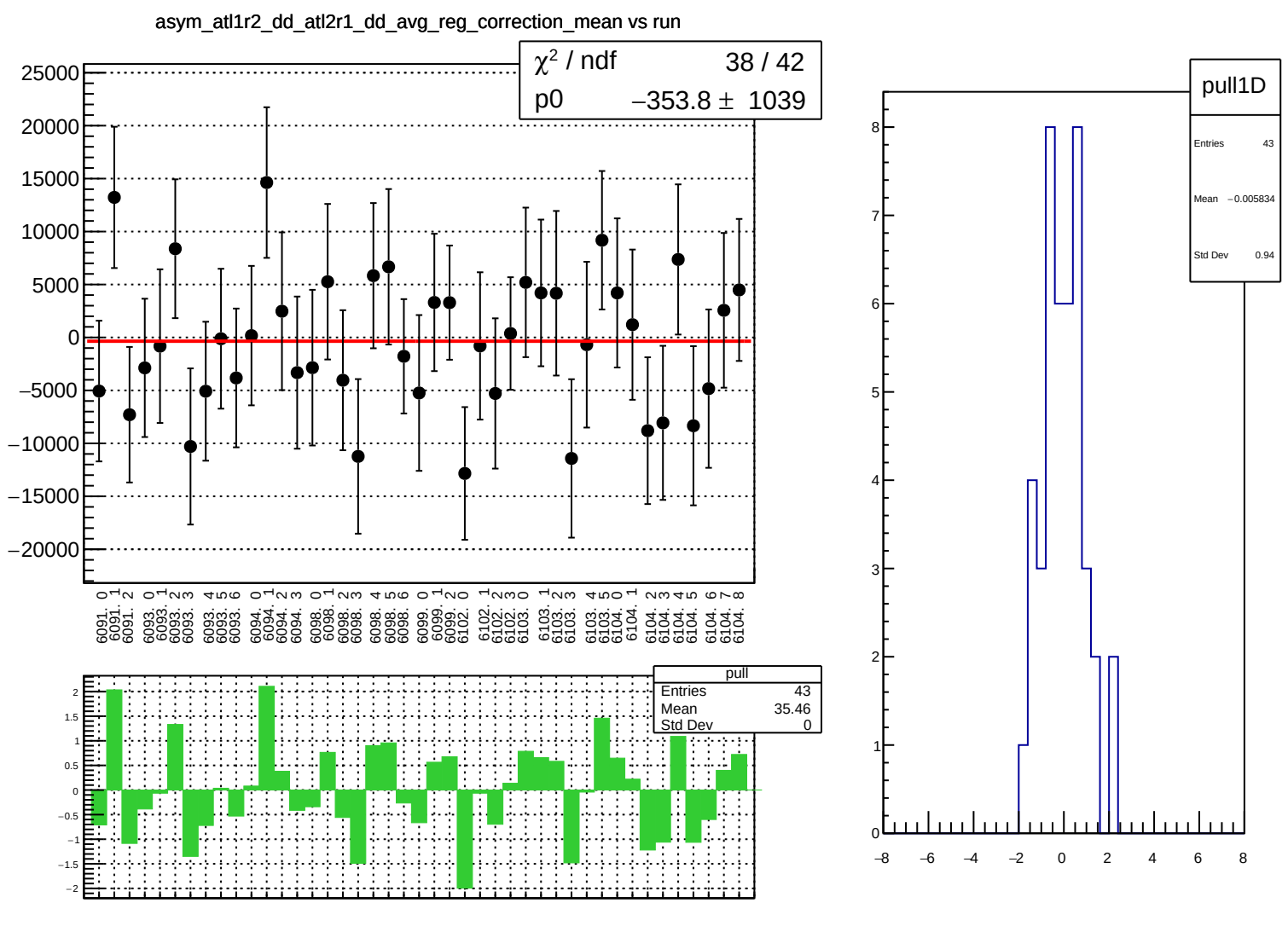

pull1D
Entries 43
Mean 0.1881
Std Dev 1.061
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

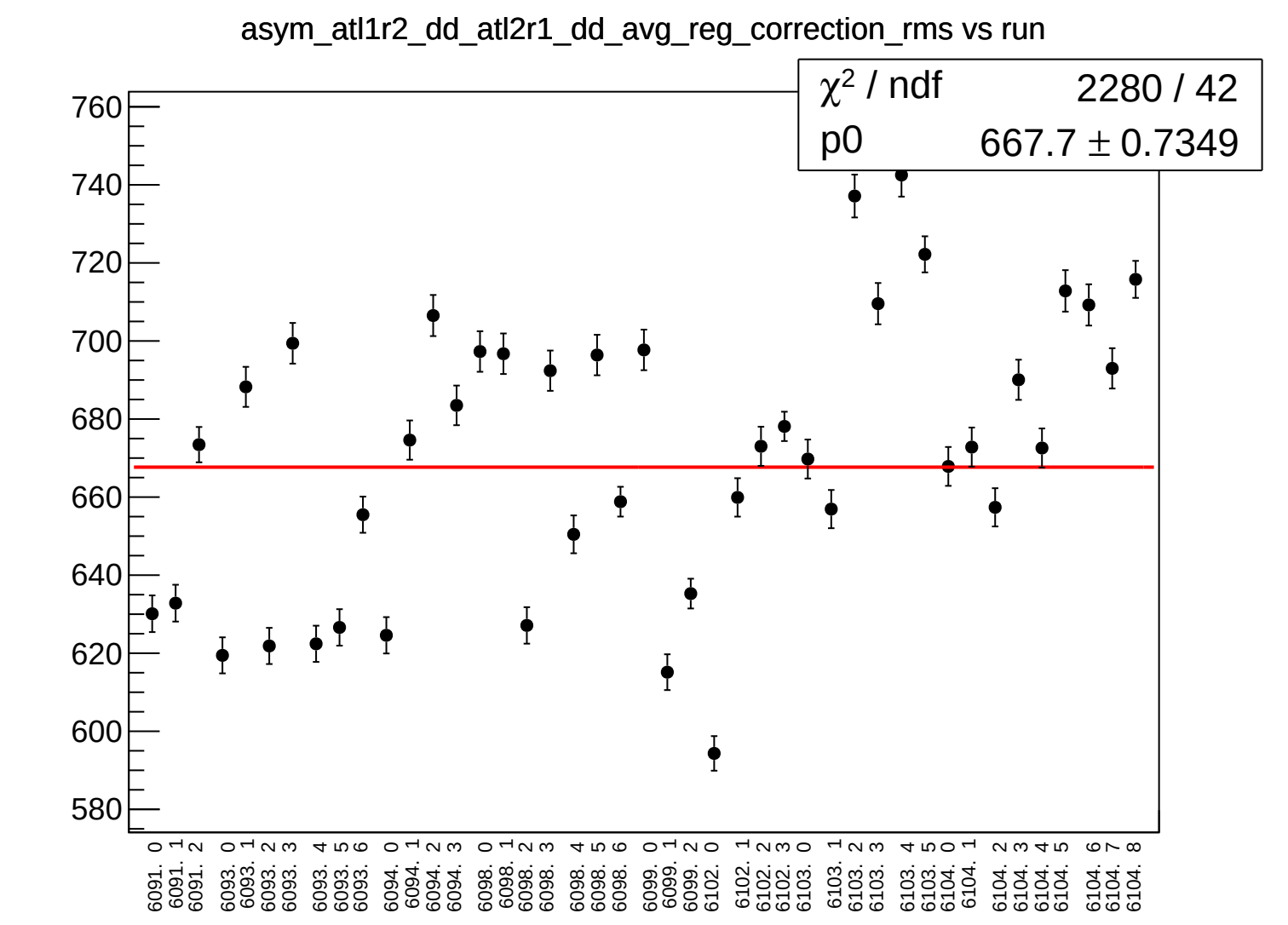

asym_atl1r2_dd_atl2r1_dd_dd_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 3.215e+05 / 42
p0 8.979e−11 ± 1.262e−13
0.6
0.5
0.4
0.3
0.2
0.1
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

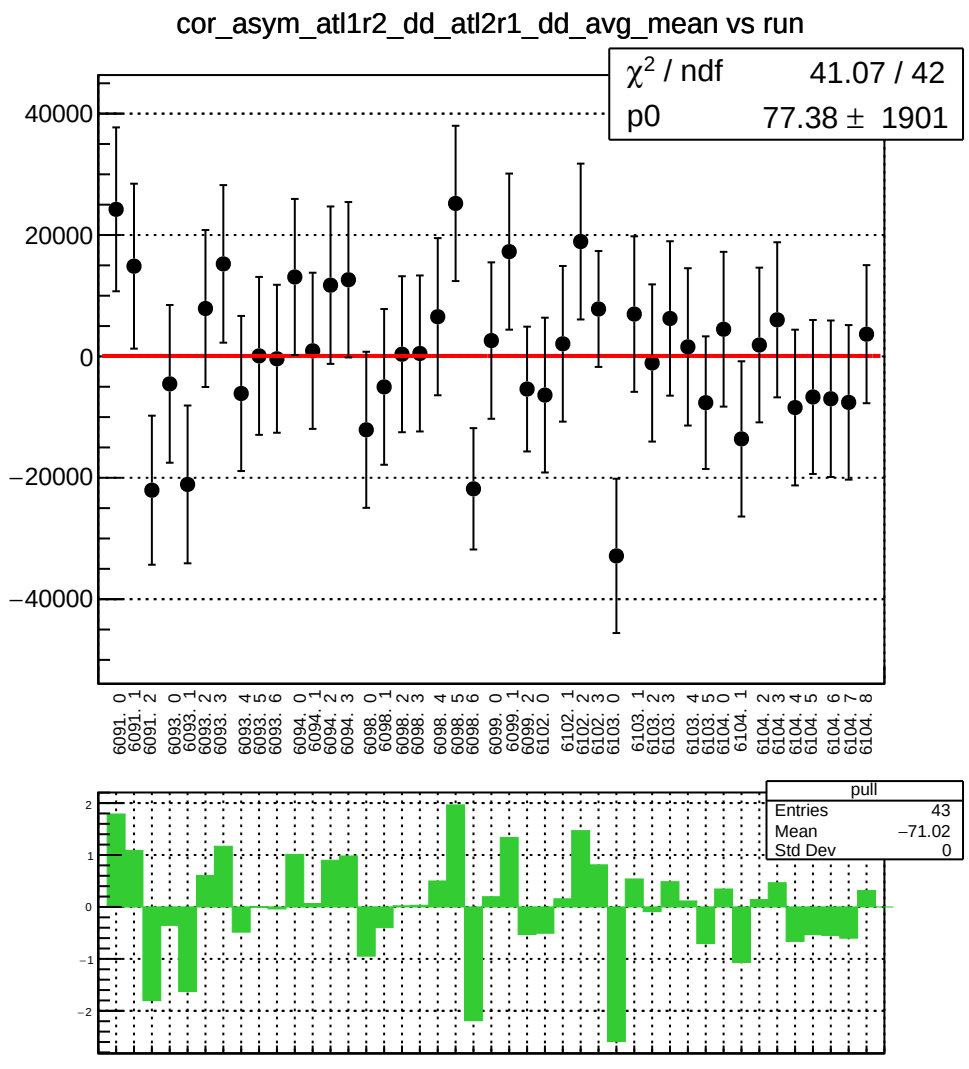

reg_asym_atl1r2_dd_atl2r1_dd_avg_mean vs run
χ² / ndf 41.07 / 42
p0 77.27 ± 1901
40000
20000
0
−20000
−40000
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean −71.01
Std Dev 0
2
1
0
−1
−2

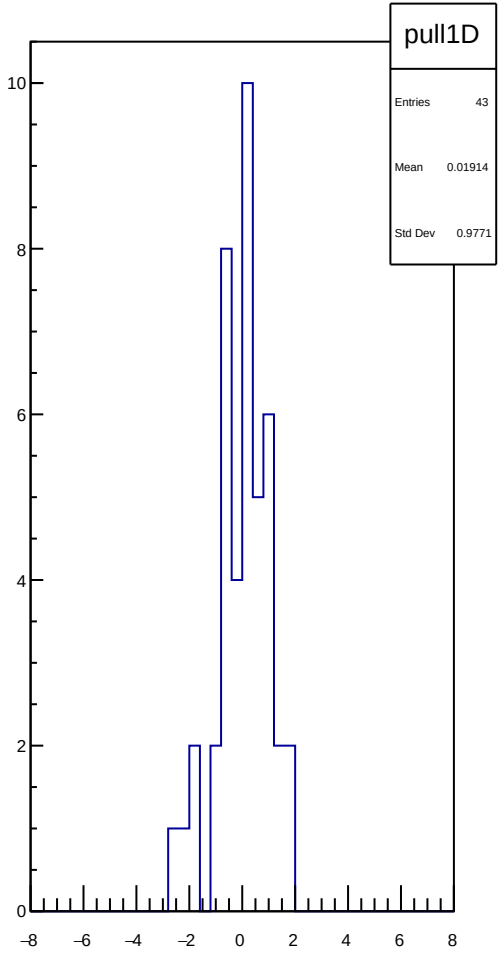

pull1D
Entries 43
Mean 0.01914
Std Dev 0.9771
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

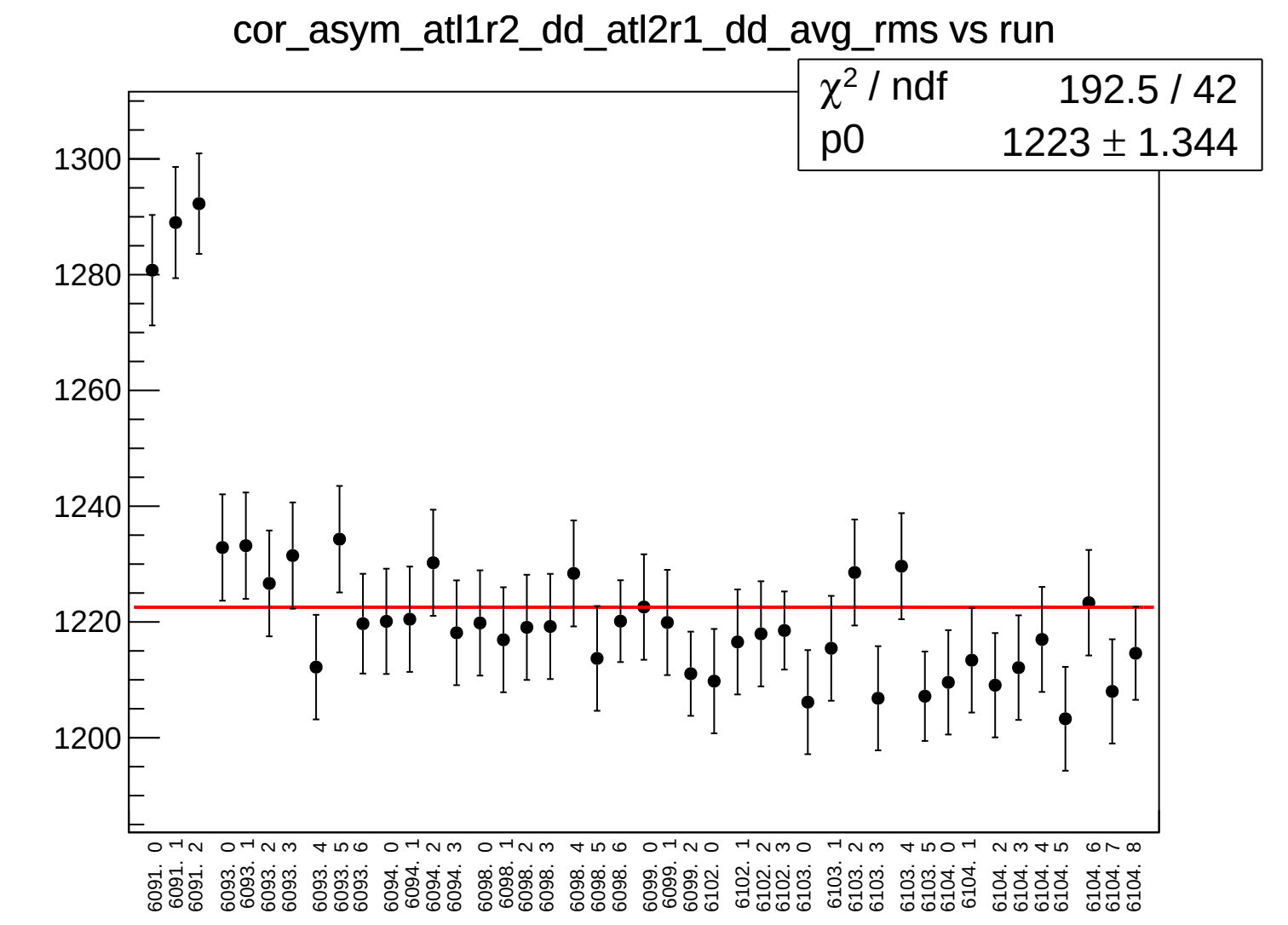

reg_asym_atl1r2_dd_atl2r1_dd_avg_rms vs run
χ² / ndf 192.5 / 42
p0 1223 ± 1.344
1300
1280
1260
1240
1220
1200
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

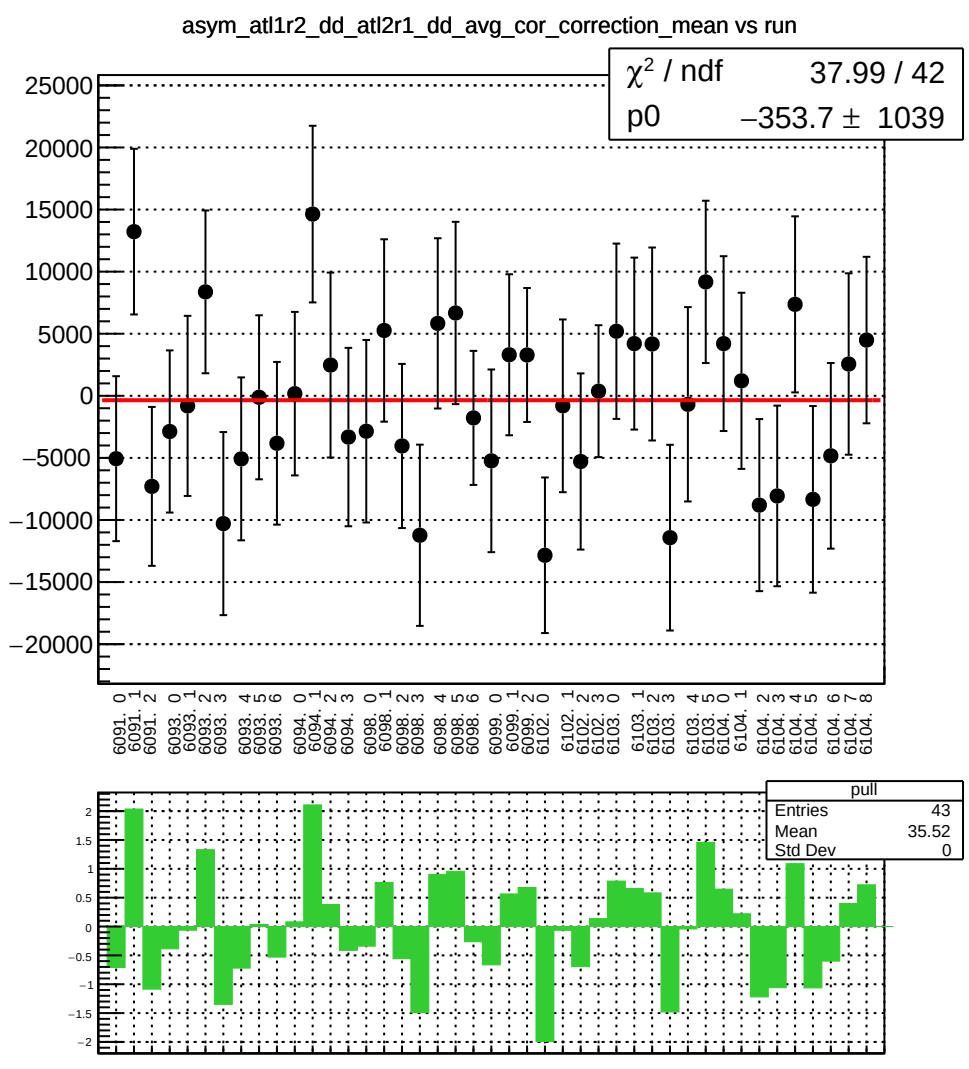

asym_atl1r2_dd_atl2r1_dd_avg_reg_correction_mean vs run
χ² / ndf 38 / 42
p0 −353.8 ± 1039
pull
Entries 43
Mean 35.46
Std Dev 0
pull1D
Entries 43
Mean −0.005834
Std Dev 0.94

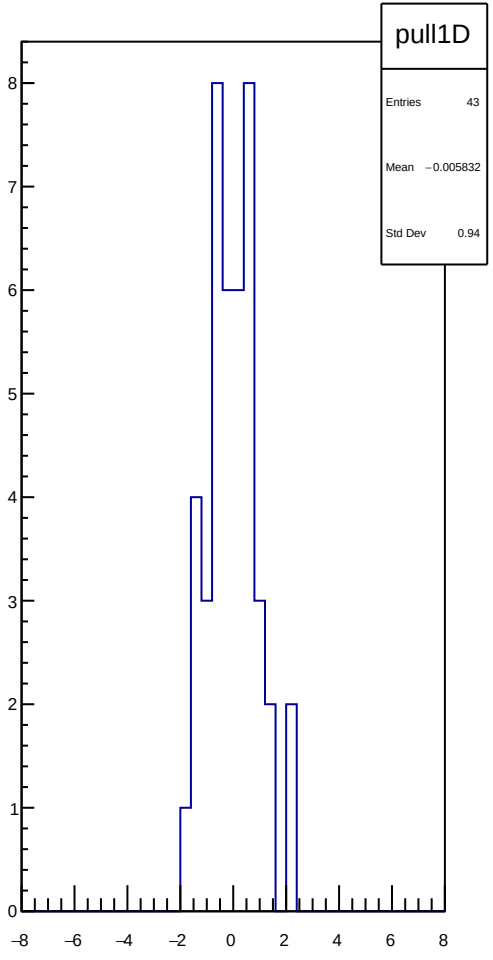

asym_atl1r2_dd_atl2r1_dd_avg_reg_correction_rms vs run
χ² / ndf 2280 / 42
p0 667.7 ± 0.7349
760
740
720
700
680
660
640
620
600
580
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

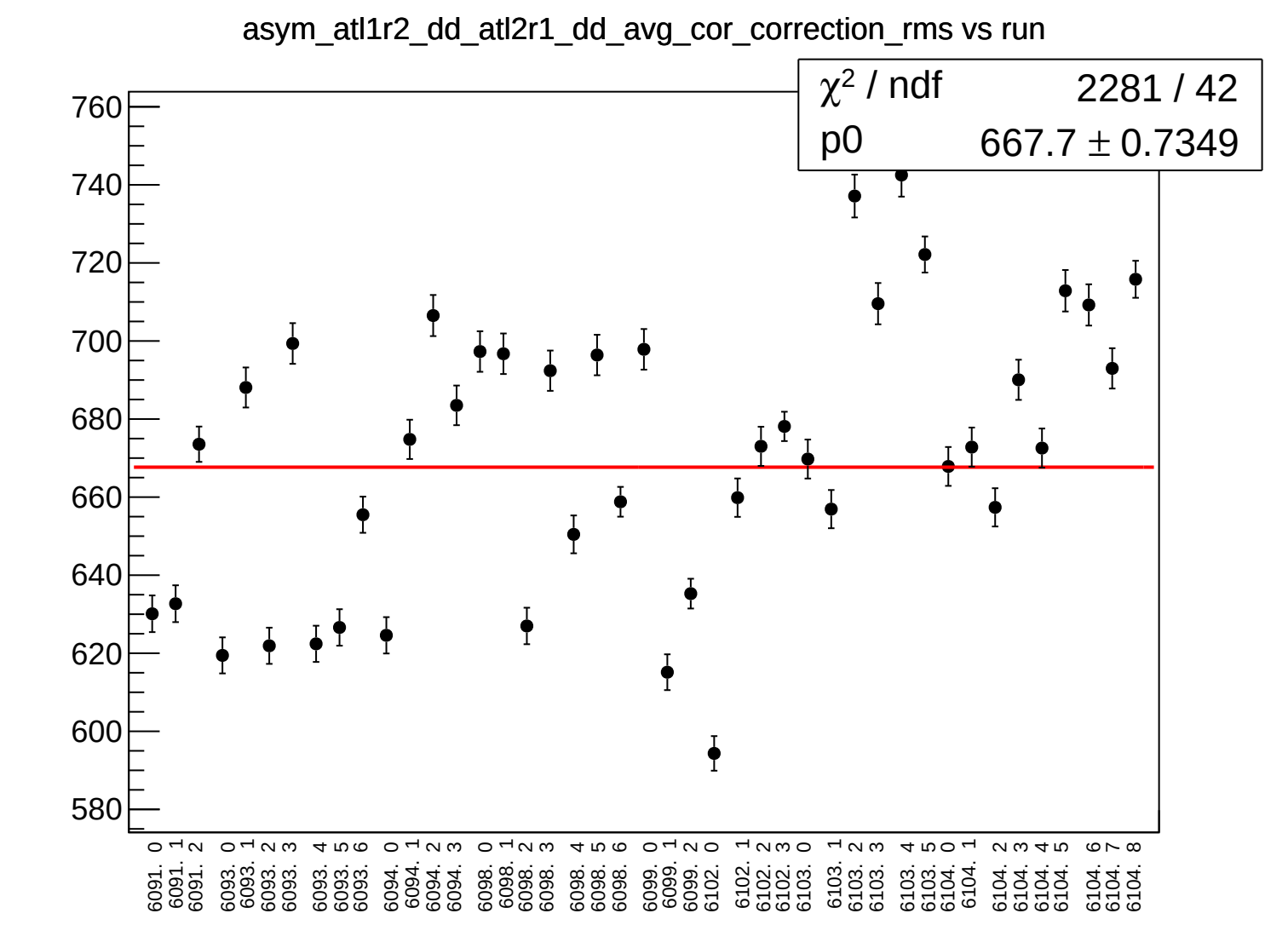

cor_asym_atl1r2_dd_atl2r1_dd_avg_mean vs run
χ² / ndf 41.07 / 42
p0 77.38 ± 1901
40000
20000
0
−20000
−40000
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean −71.02
Std Dev 0
2
1
0
−1
−2

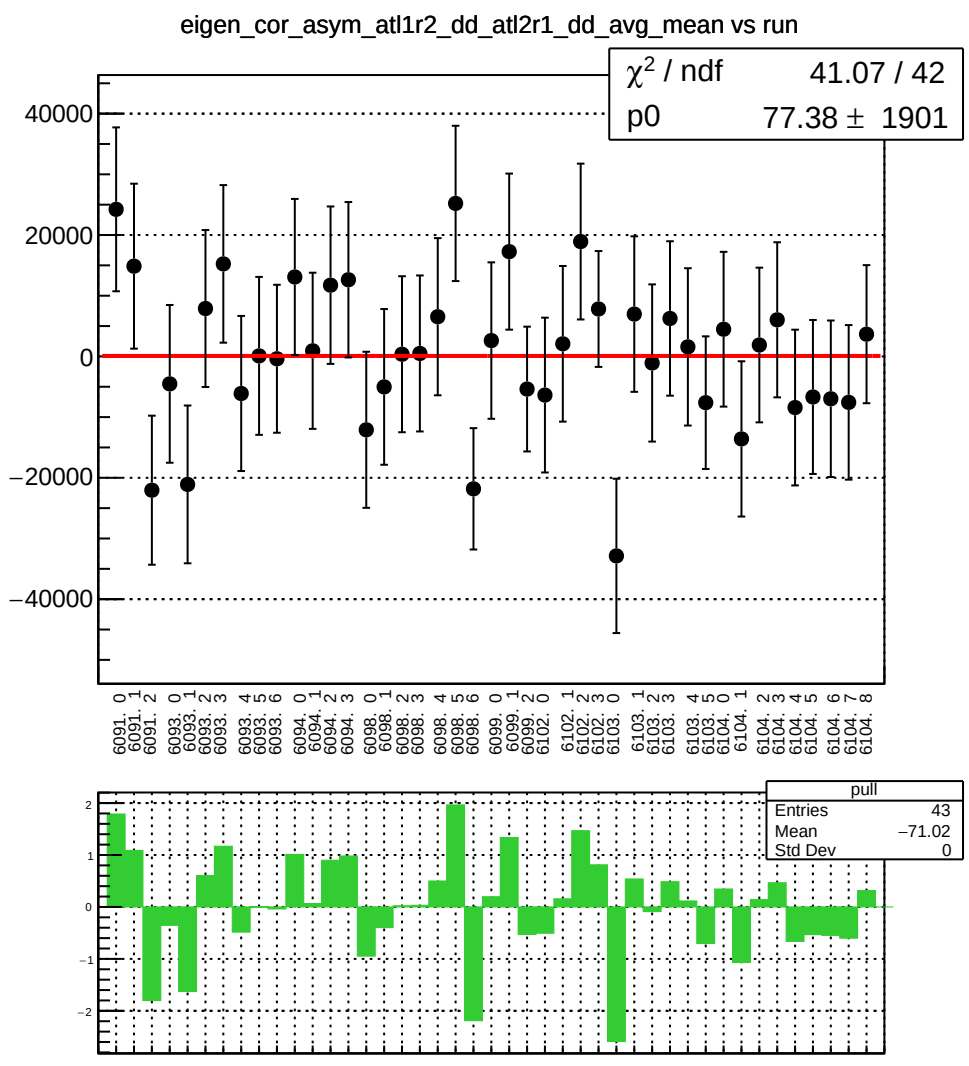

pull1D
Entries 43
Mean 0.01914
Std Dev 0.9771
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

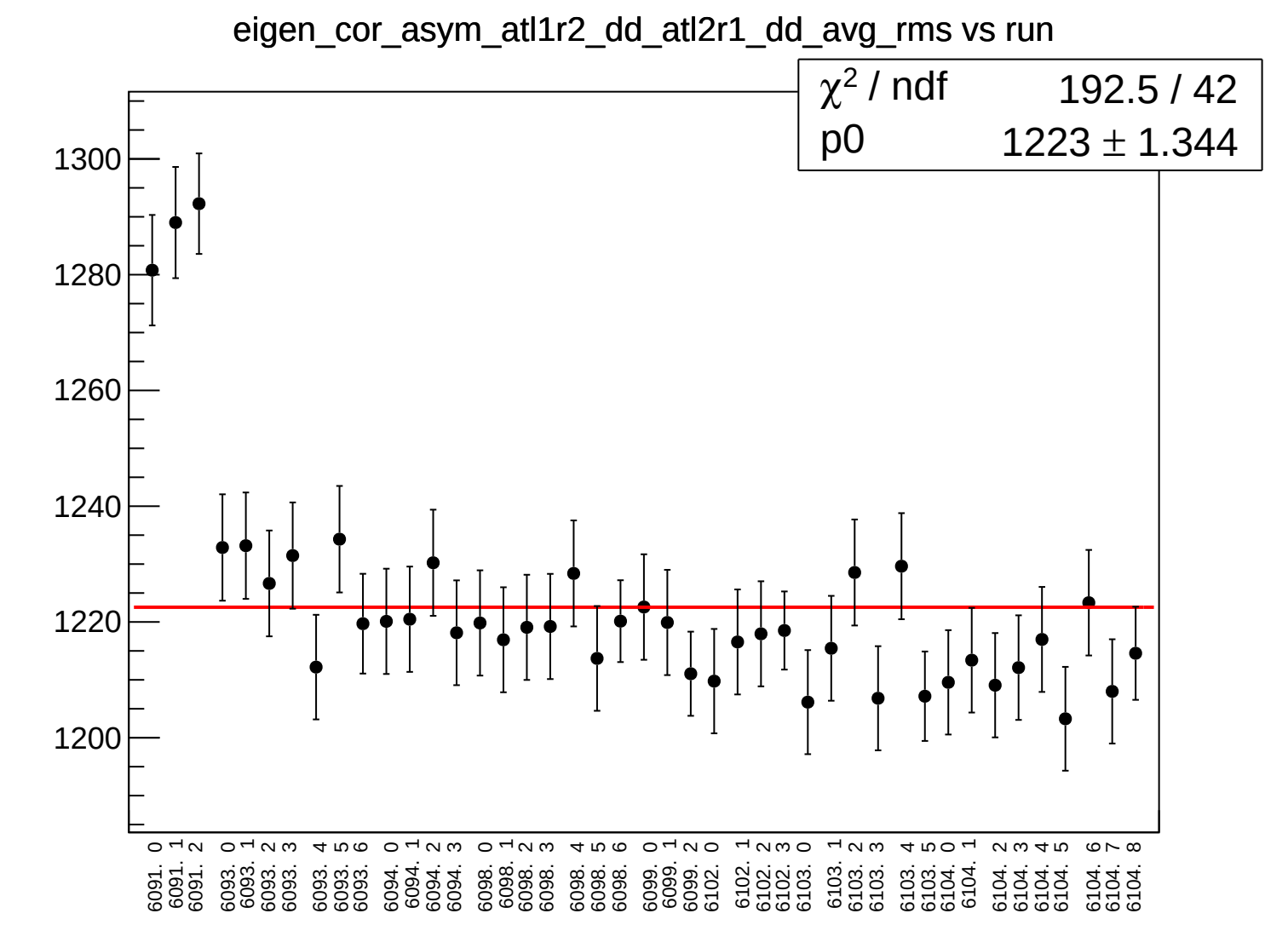

cor_asym_atl1r2_dd_atl2r1_dd_avg_rms vs run
χ² / ndf 192.5 / 42
p0 1223 ± 1.344
1300
1280
1260
1240
1220
1200
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8


asym_atl1r2_dd_atl2r1_dd_avg_cor_correction_mean vs run
χ² / ndf 37.99 / 42
p0 −353.7 ± 1039
25000
20000
15000
10000
5000
0
−5000
−10000
−15000
−20000
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 35.52
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2


pull1D
Entries 43
Mean −0.005832
Std Dev 0.94
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


asym_atl1r2_dd_atl2r1_dd_avg_cor_correction_rms vs run
χ² / ndf 2281 / 42
p0 667.7 ± 0.7349
760
740
720
700
680
660
640
620
600
580
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8


eigen_cor_asym_atl1r2_dd_atl2r1_dd_avg_mean vs run
χ² / ndf 41.07 / 42
p0 77.38 ± 1901
40000
20000
0
−20000
−40000
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean −71.02
Std Dev 0
2
1
0
−1
−2
pull1D
Entries 43
Mean 0.01914
Std Dev 0.9771
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


eigen_cor_asym_atl1r2_dd_atl2r1_dd_avg_rms vs run
χ² / ndf 192.5 / 42
p0 1223 ± 1.344
1300
1280
1260
1240
1220
1200
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
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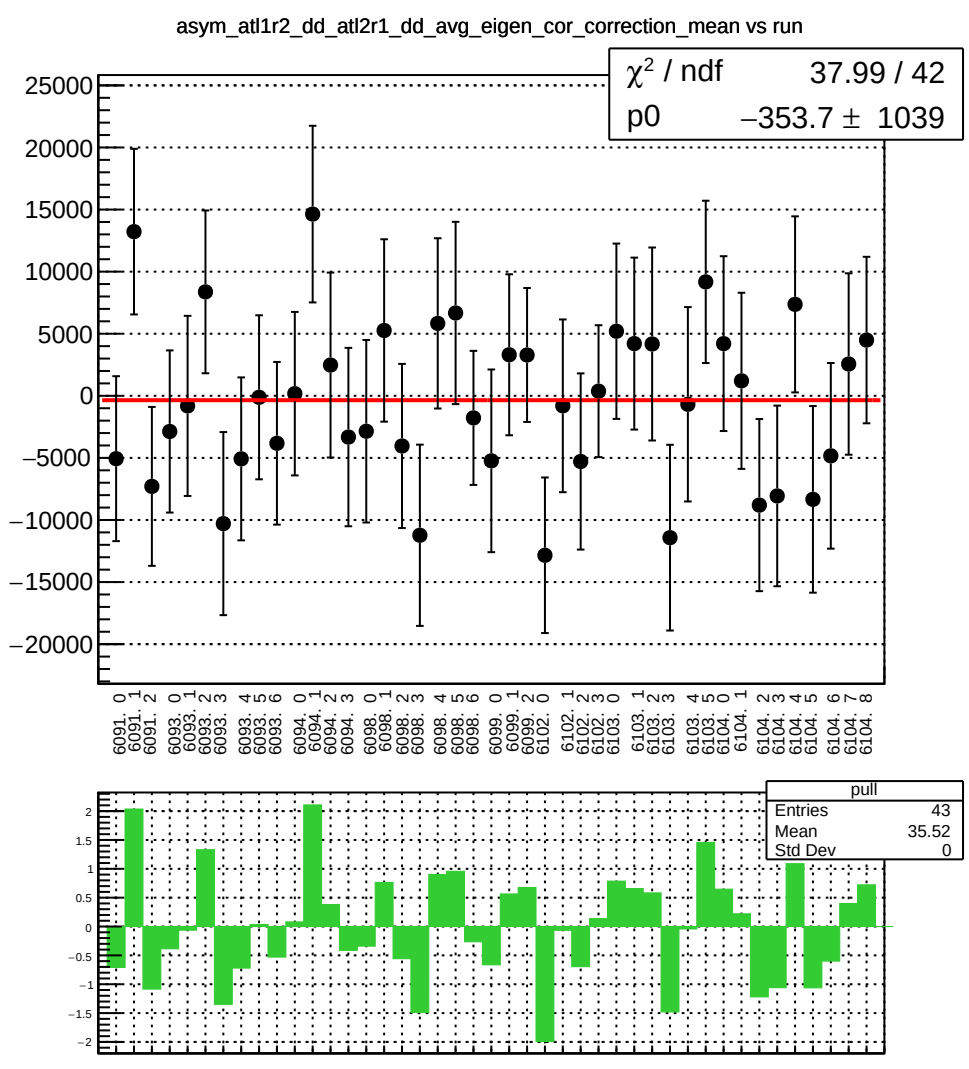
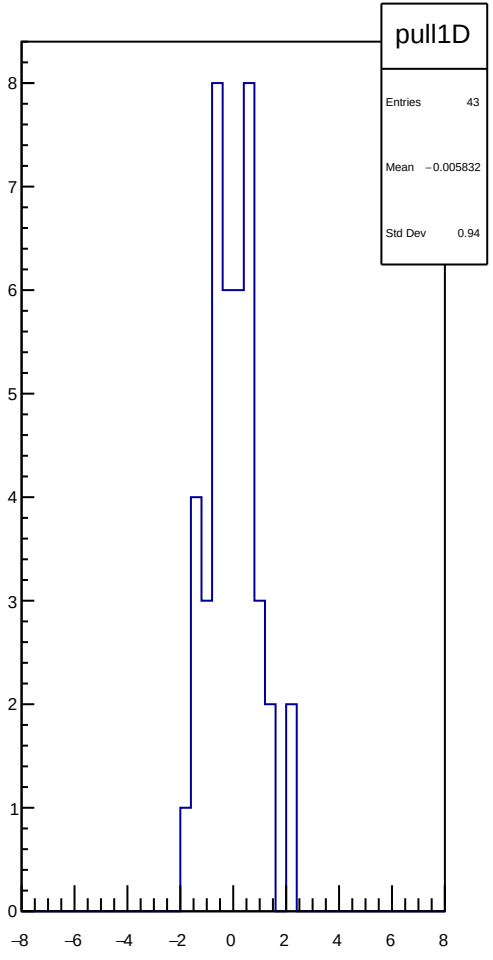
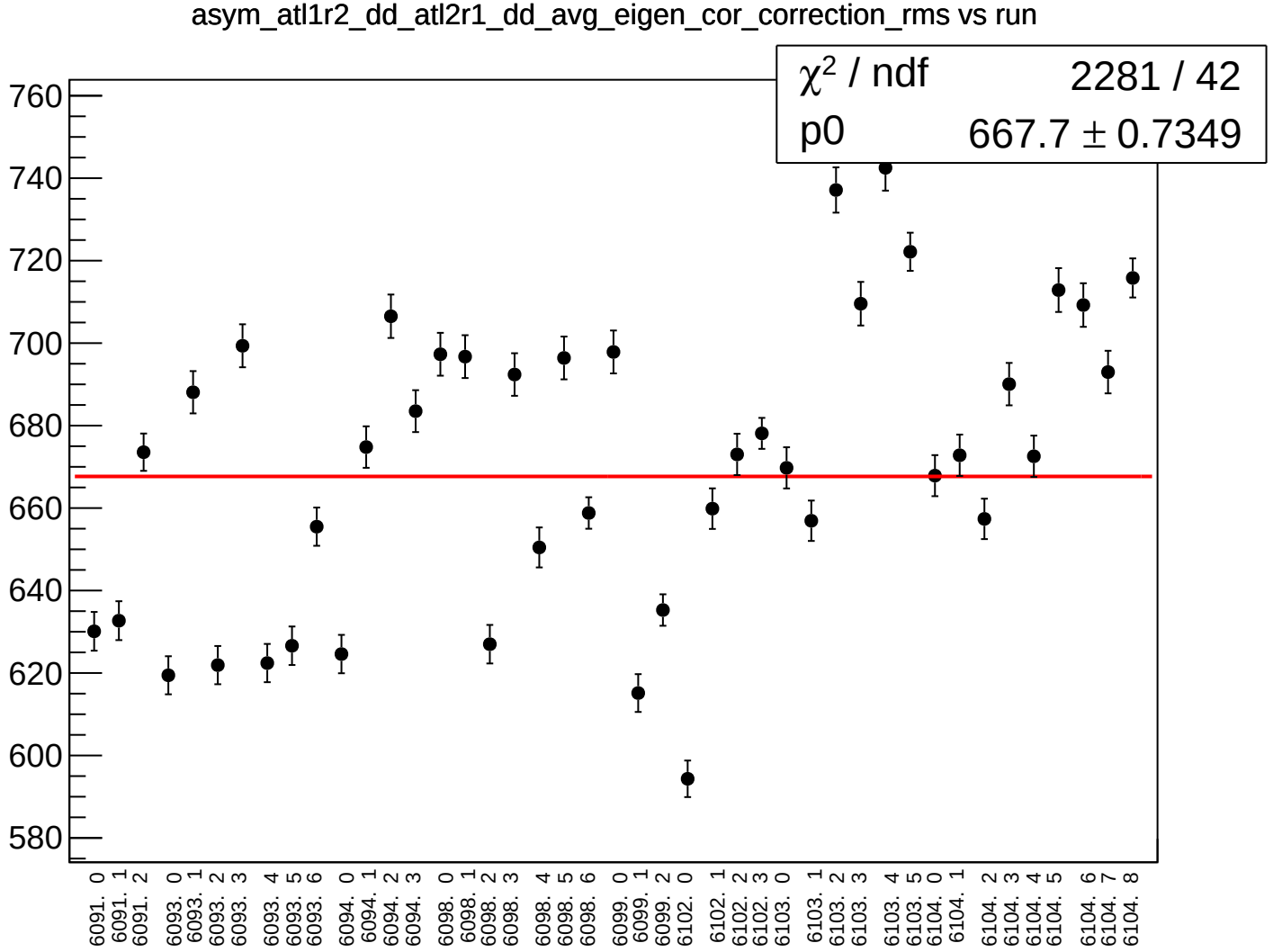
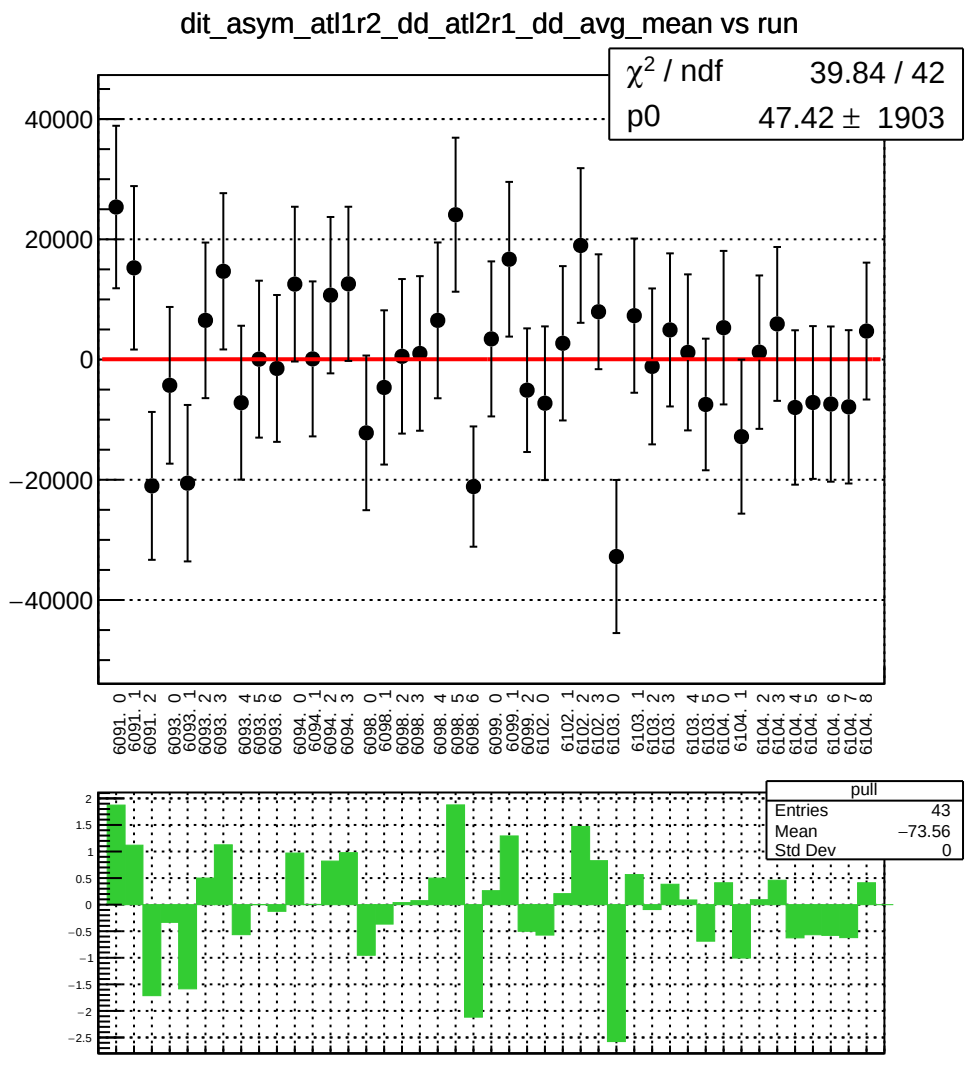
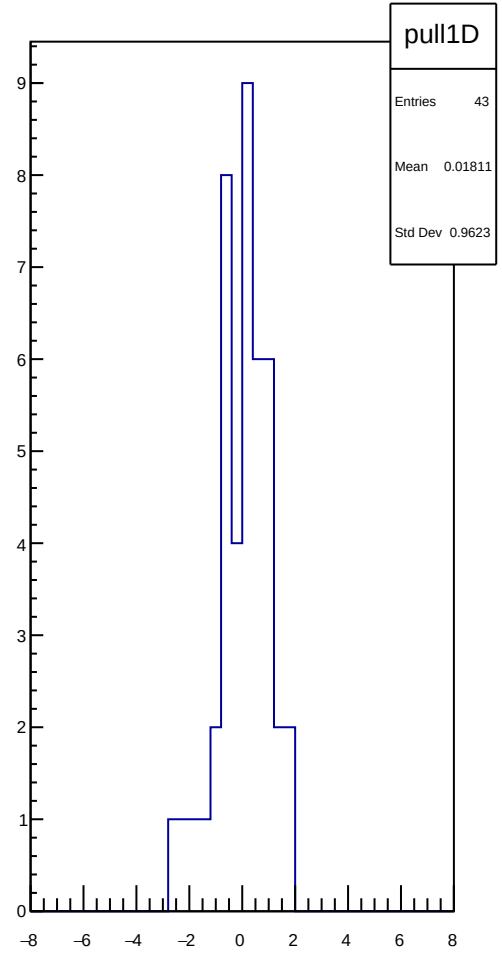
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

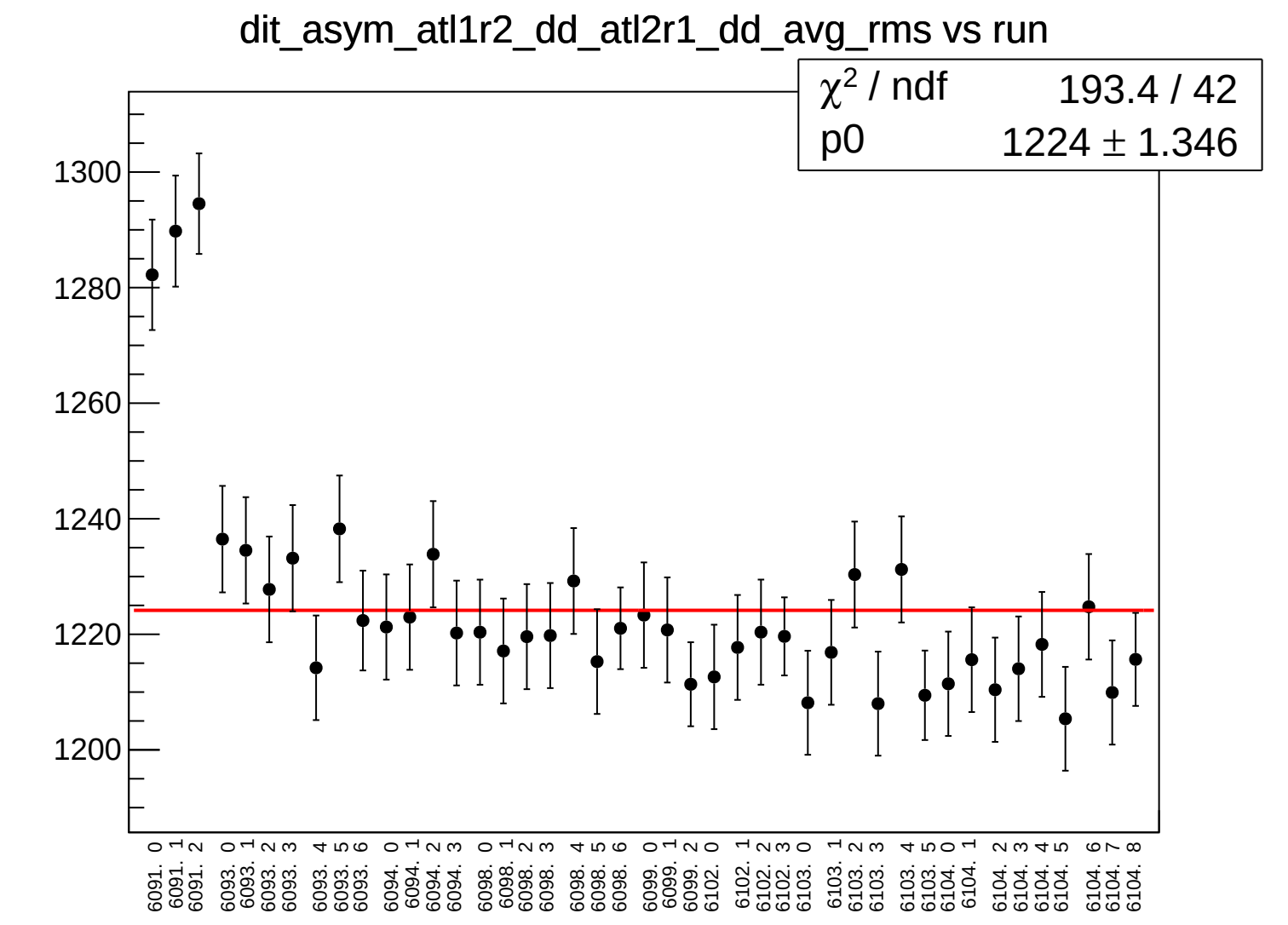

asym_atl1r2_dd_atl2r1_dd_avg_eigen_cor_correction_mean vs run
χ² / ndf 37.99 / 42
p0 −353.7 ± 1039
25000
20000
15000
10000
5000
0
−5000
−10000
−15000
−20000
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 35.52
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

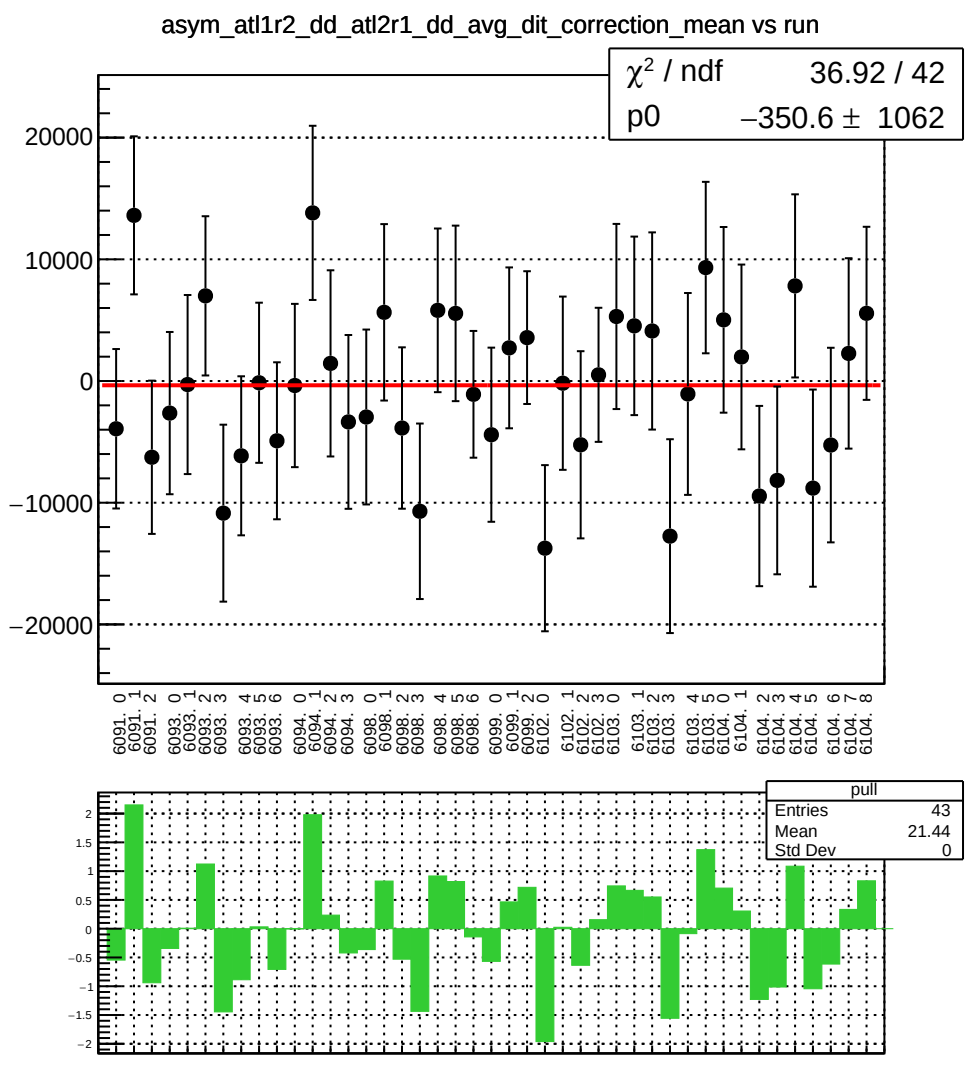

pull1D
Entries 43
Mean −0.005832
Std Dev 0.94
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

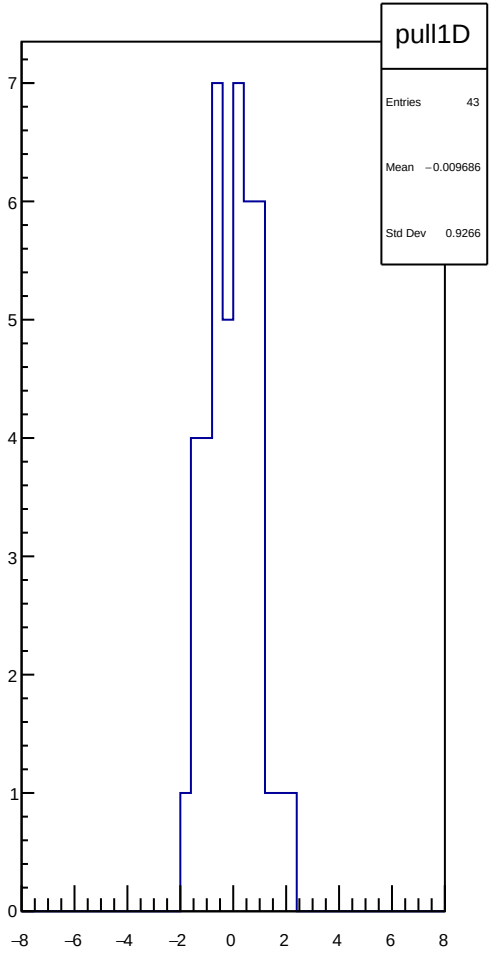

asym_atl1r2_dd_atl2r1_dd_avg_eigen_cor_correction_rms vs run
χ² / ndf 2281 / 42
p0 667.7 ± 0.7349
760
740
720
700
680
660
640
620
600
580
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

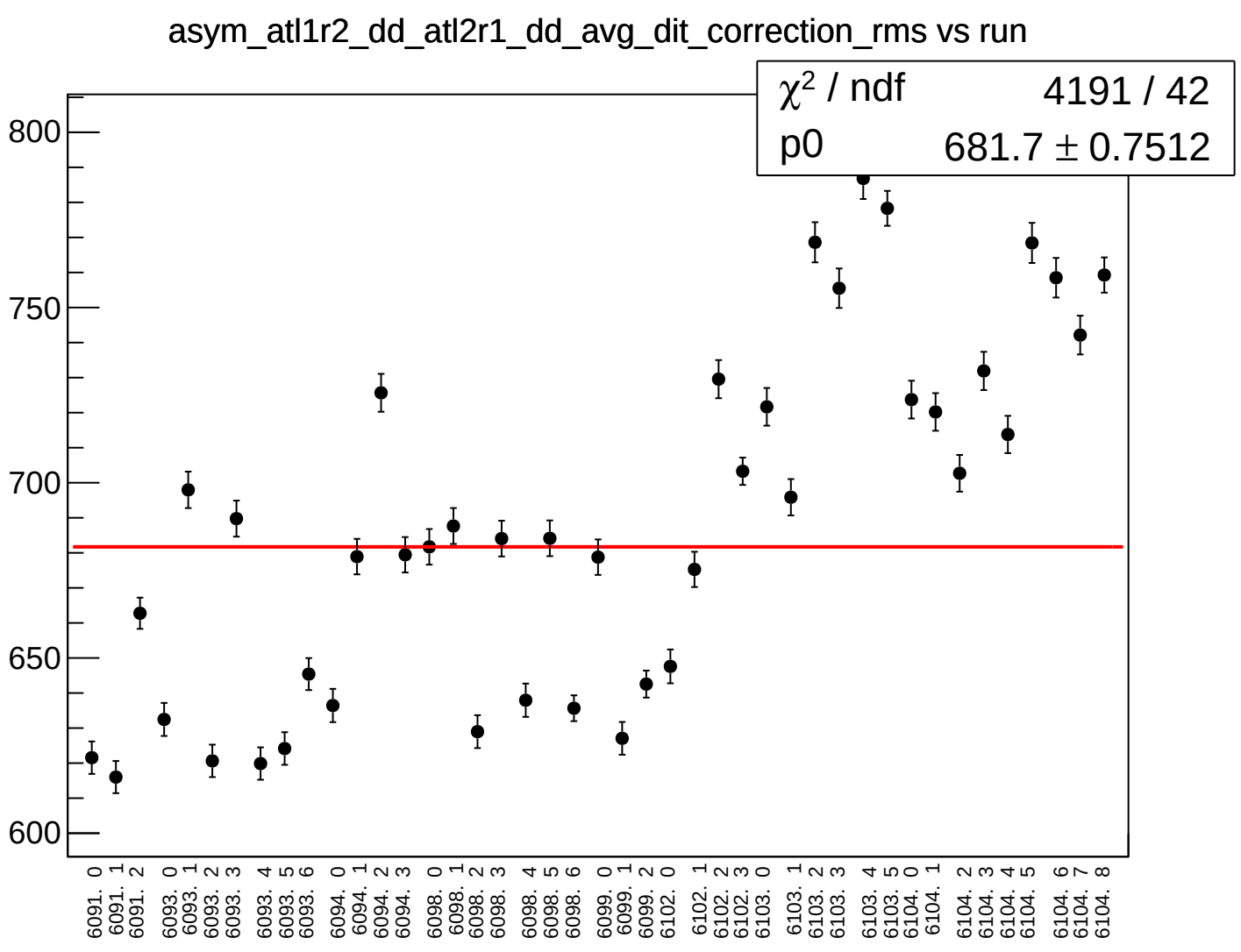

dit_asym_atl1r2_dd_atl2r1_dd_avg_mean vs run
χ² / ndf 39.84 / 42
p0 47.42 ± 1903
40000
20000
0
−20000
−40000
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean −73.56
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

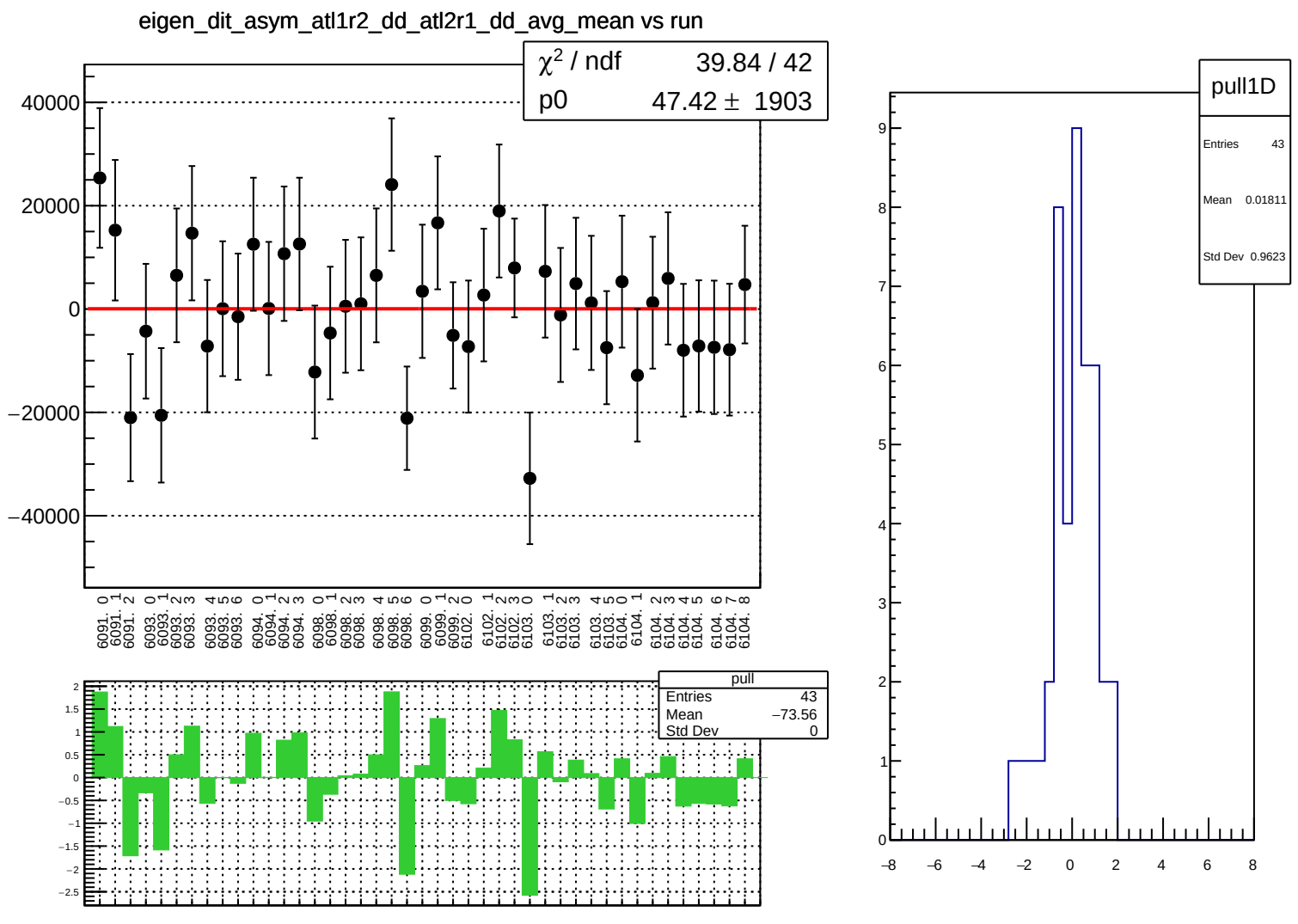

pull1D
Entries 43
Mean 0.01811
Std Dev 0.9623
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

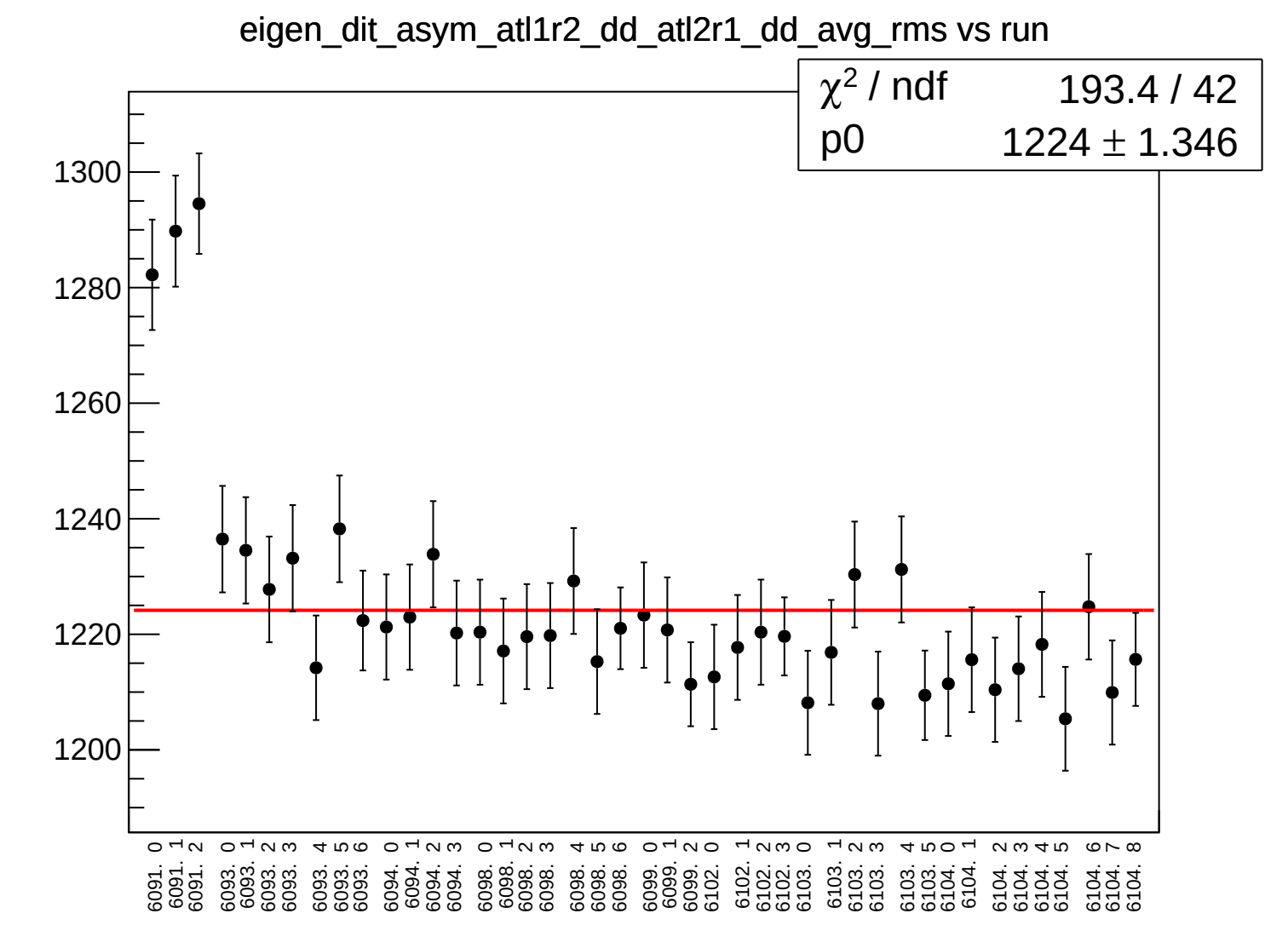

dit_asym_atl1r2_dd_atl2r1_dd_avg_rms vs run
χ² / ndf 193.4 / 42
p0 1224 ± 1.346
1300
1280
1260
1240
1220
1200
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

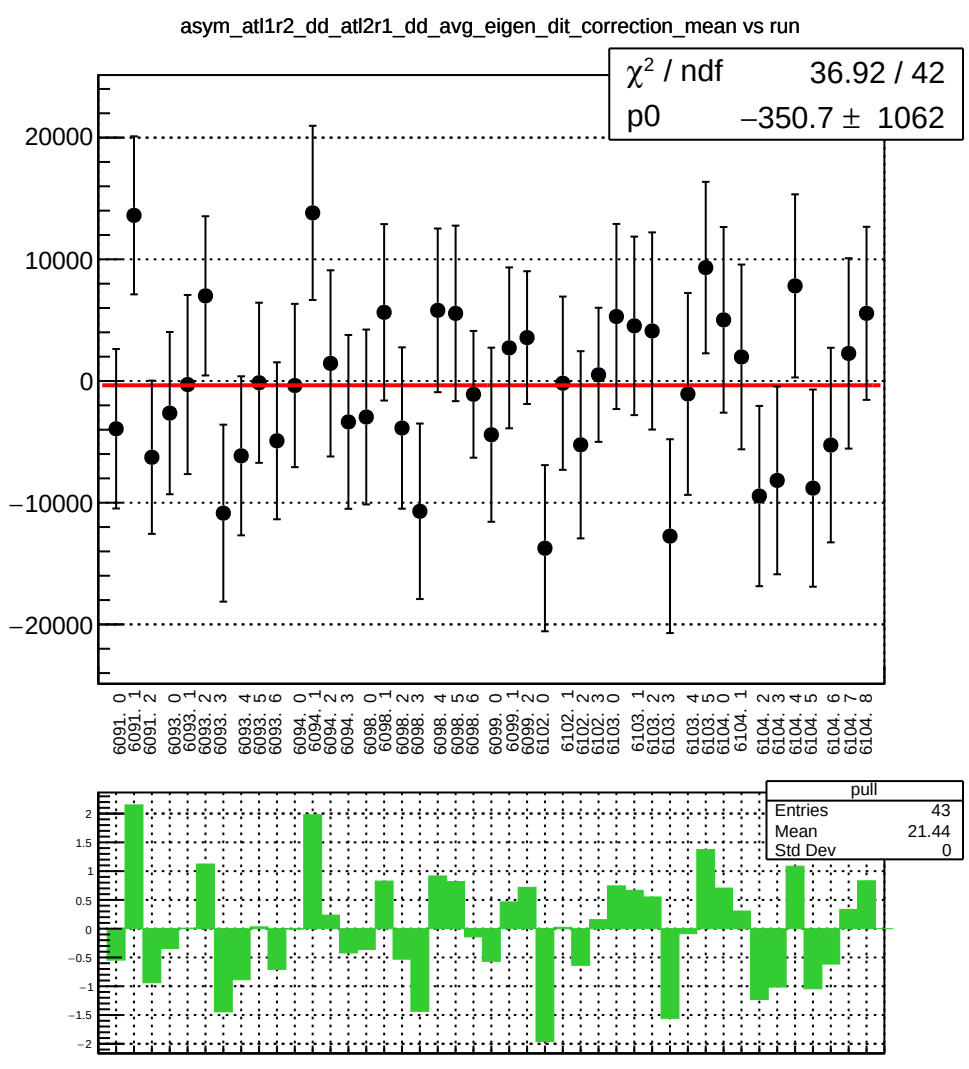

asym_atl1r2_dd_atl2r1_dd_avg_dit_correction_mean vs run
χ² / ndf 36.92 / 42
p0 −350.6 ± 1062
20000
10000
0
−10000
−20000
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 21.44
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

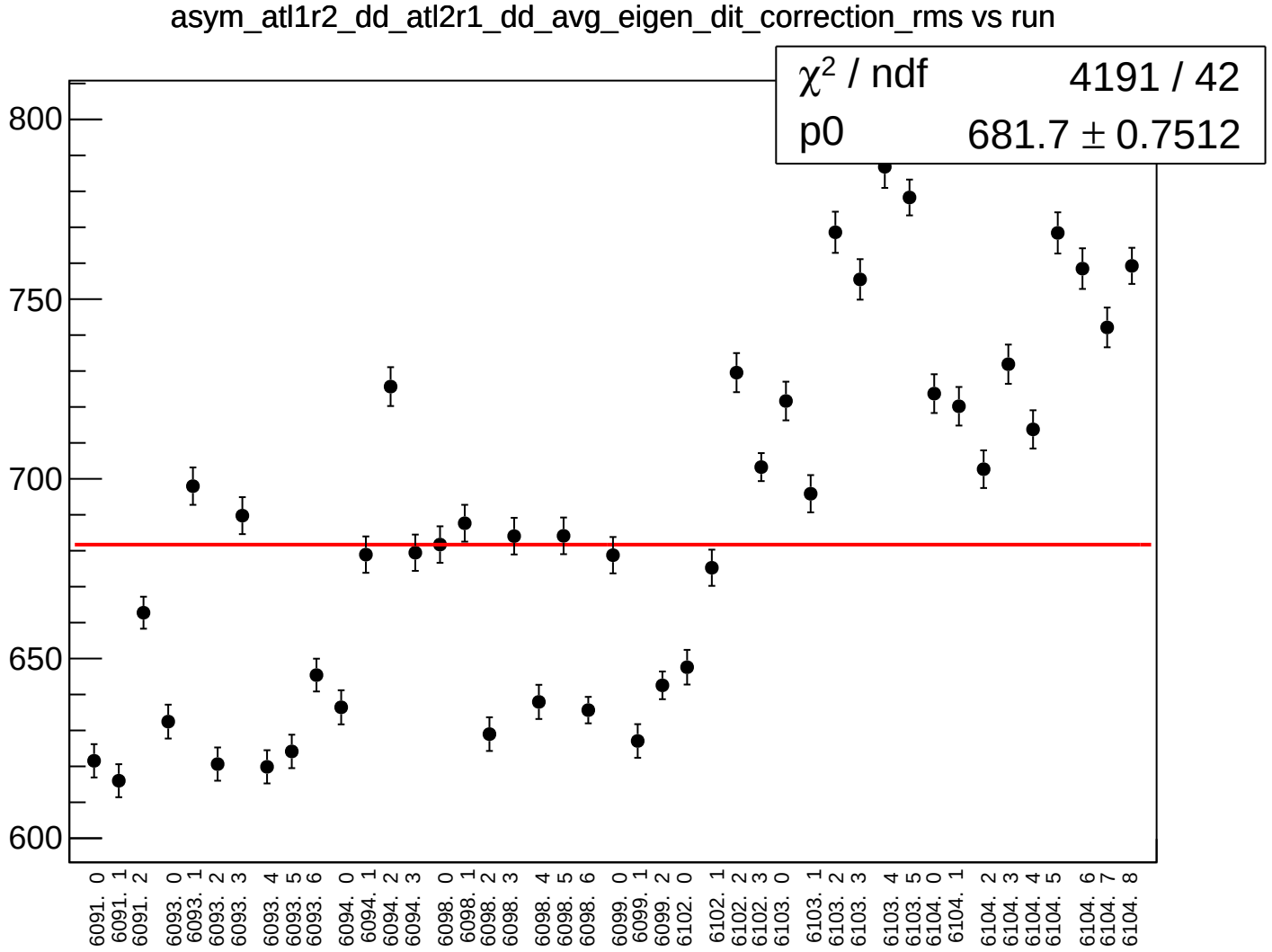

pull1D
Entries 43
Mean −0.009686
Std Dev 0.9266
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

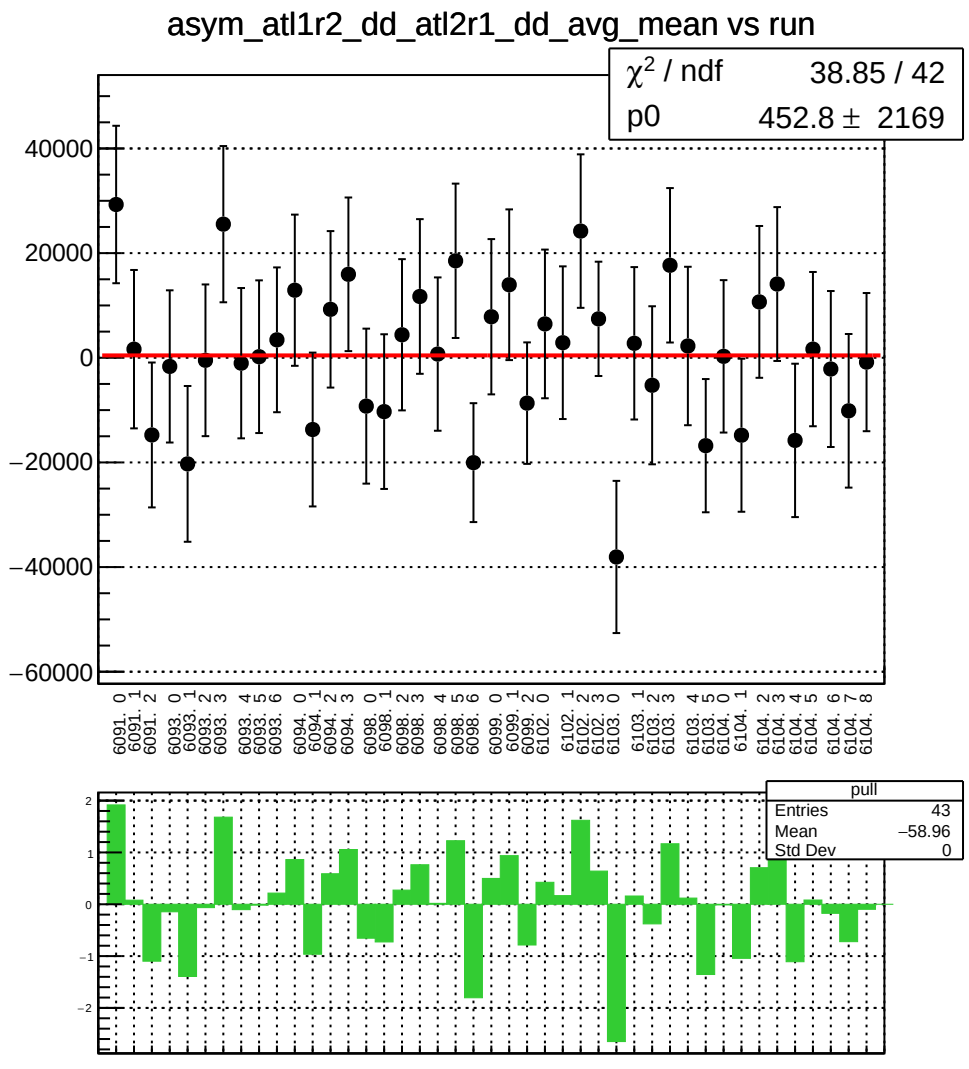

asym_atl1r2_dd_atl2r1_dd_avg_dit_correction_rms vs run
χ² / ndf 4191 / 42
p0 681.7 ± 0.7512
800
750
700
650
600
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

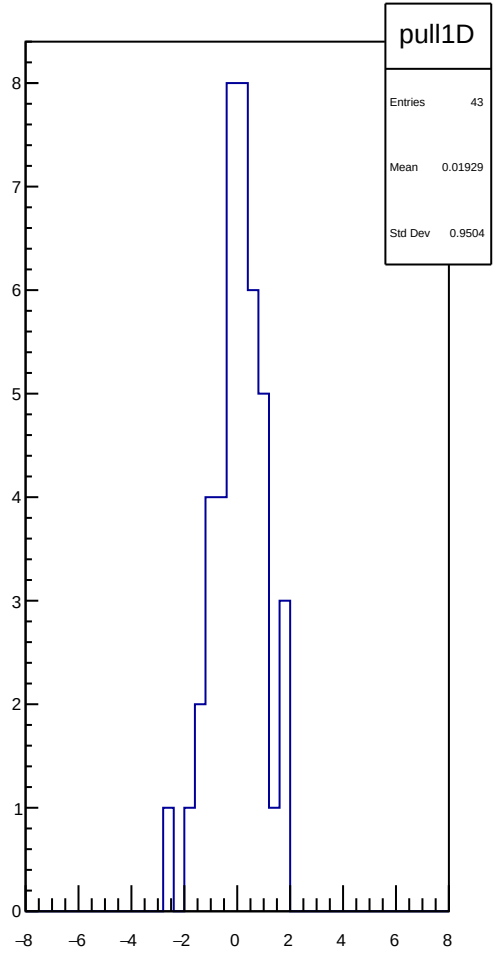

eigen_dit_asym_atl1r2_dd_atl2r1_dd_avg_mean vs run
χ² / ndf 39.84 / 42
p0 47.42 ± 1903
40000
20000
0
−20000
−40000
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean −73.56
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5
pull1D
Entries 43
Mean 0.01811
Std Dev 0.9623
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

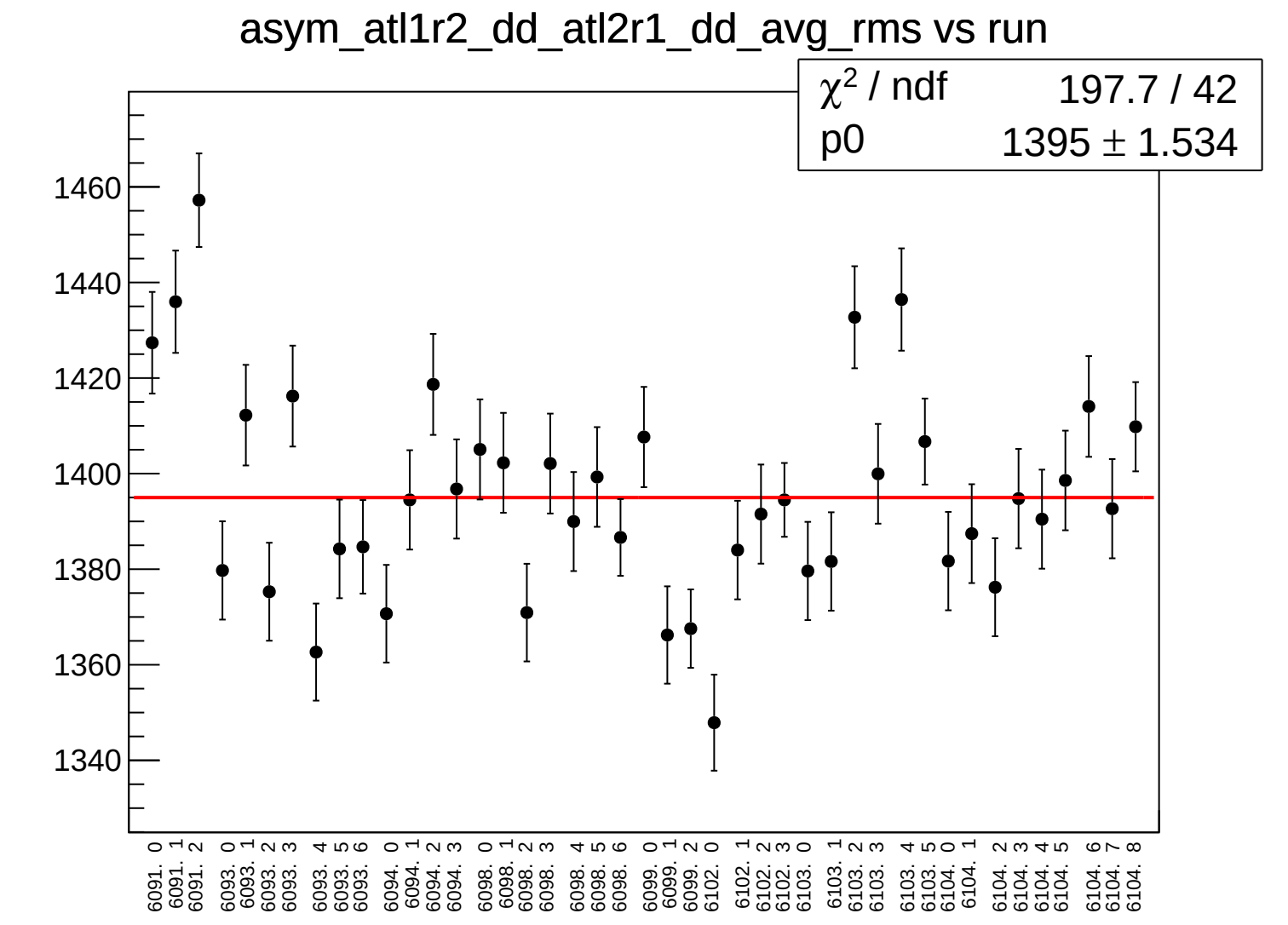

eigen_dit_asym_atl1r2_dd_atl2r1_dd_avg_rms vs run
χ² / ndf 193.4 / 42
p0 1224 ± 1.346
1300
1280
1260
1240
1220
1200
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

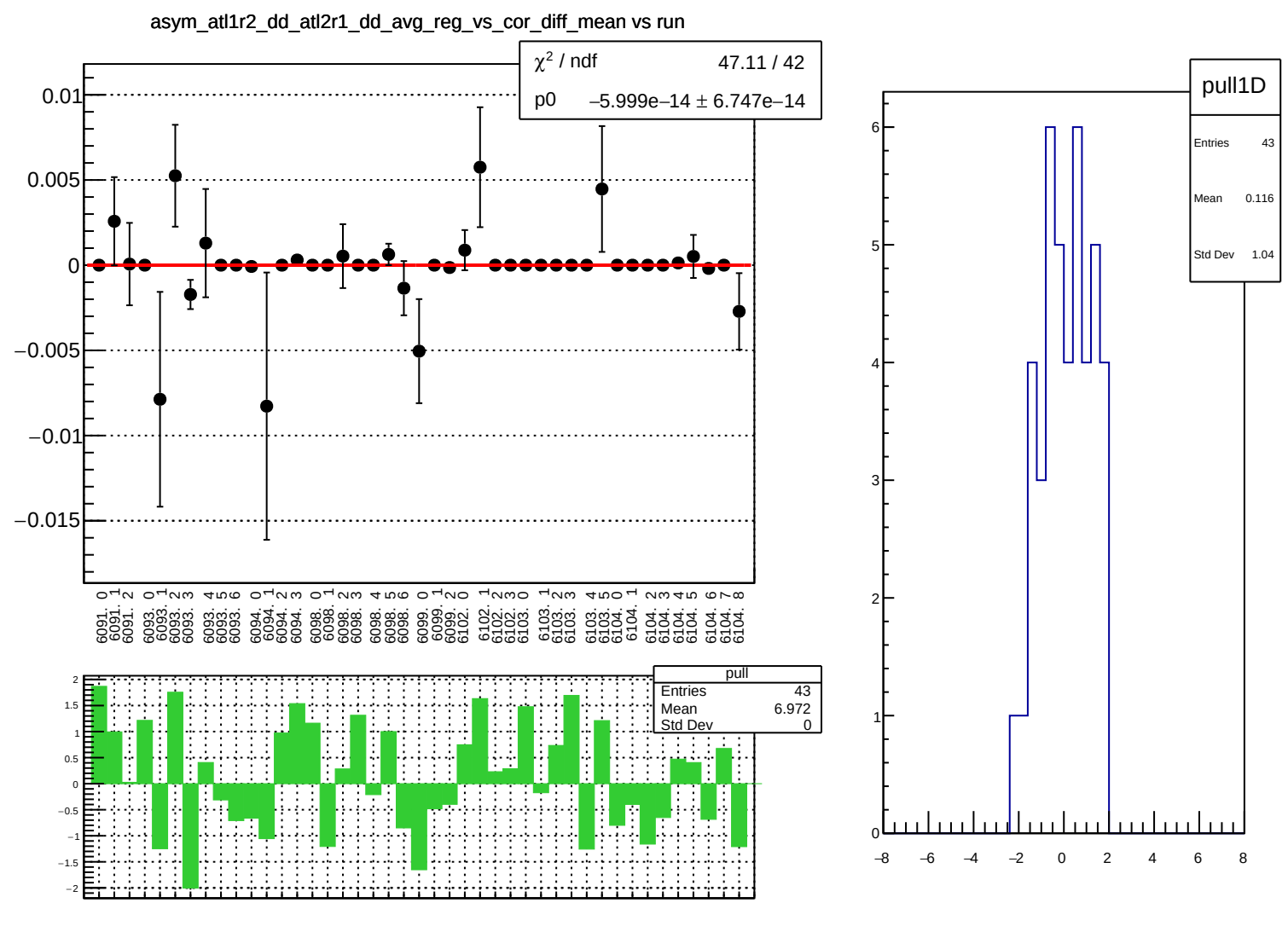

asym_atl1r2_dd_atl2r1_dd_avg_eigen_dit_correction_mean vs run
χ² / ndf 36.92 / 42
p0 −350.7 ± 1062
20000
10000
0
−10000
−20000
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 21.44
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 43
Mean −0.009686
Std Dev 0.9266
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

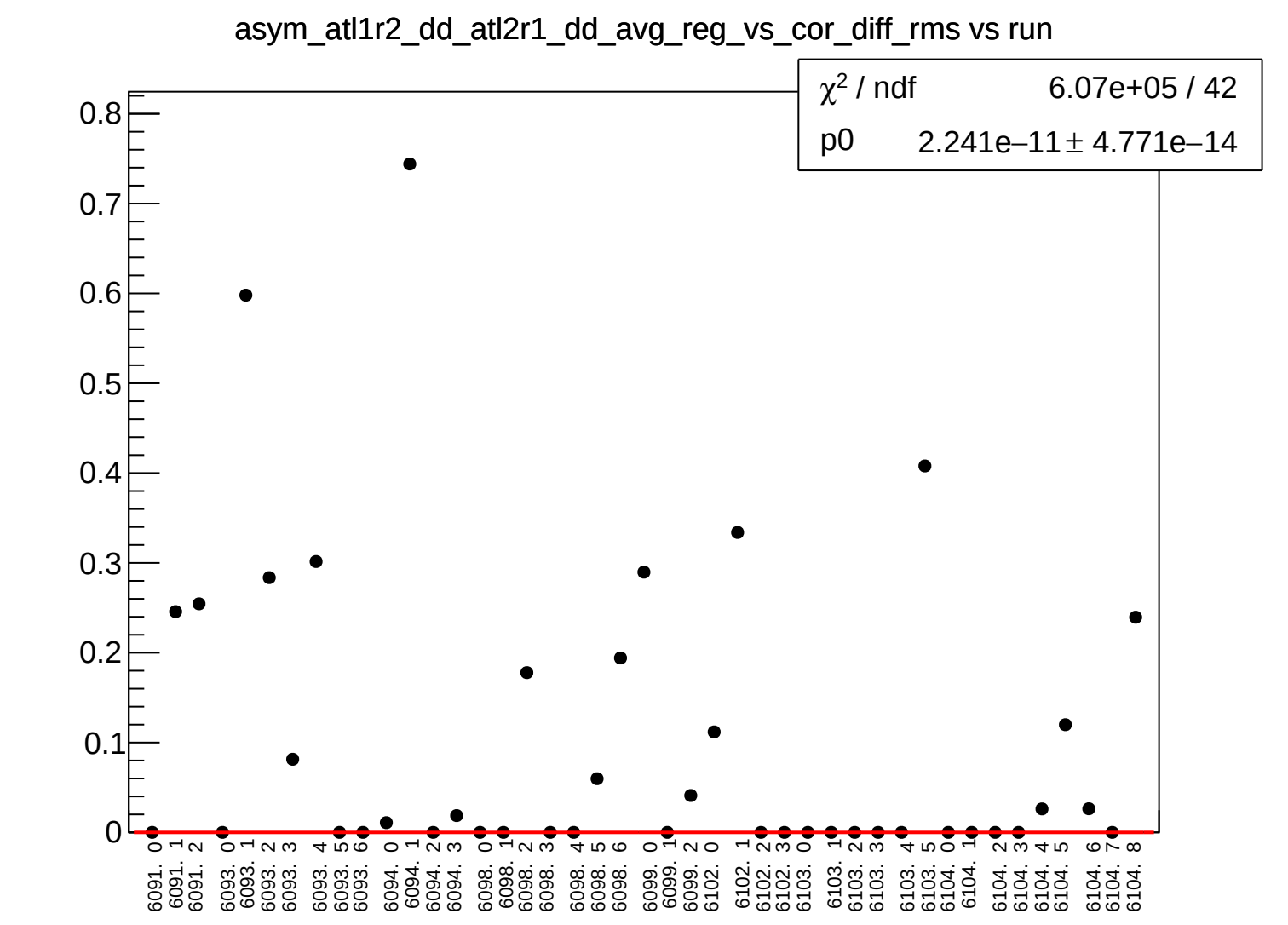

asym_atl1r2_dd_atl2r1_dd_avg_eigen_dit_correction_rms vs run
χ² / ndf 4191 / 42
p0 681.7 ± 0.7512
800
750
700
650
600
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

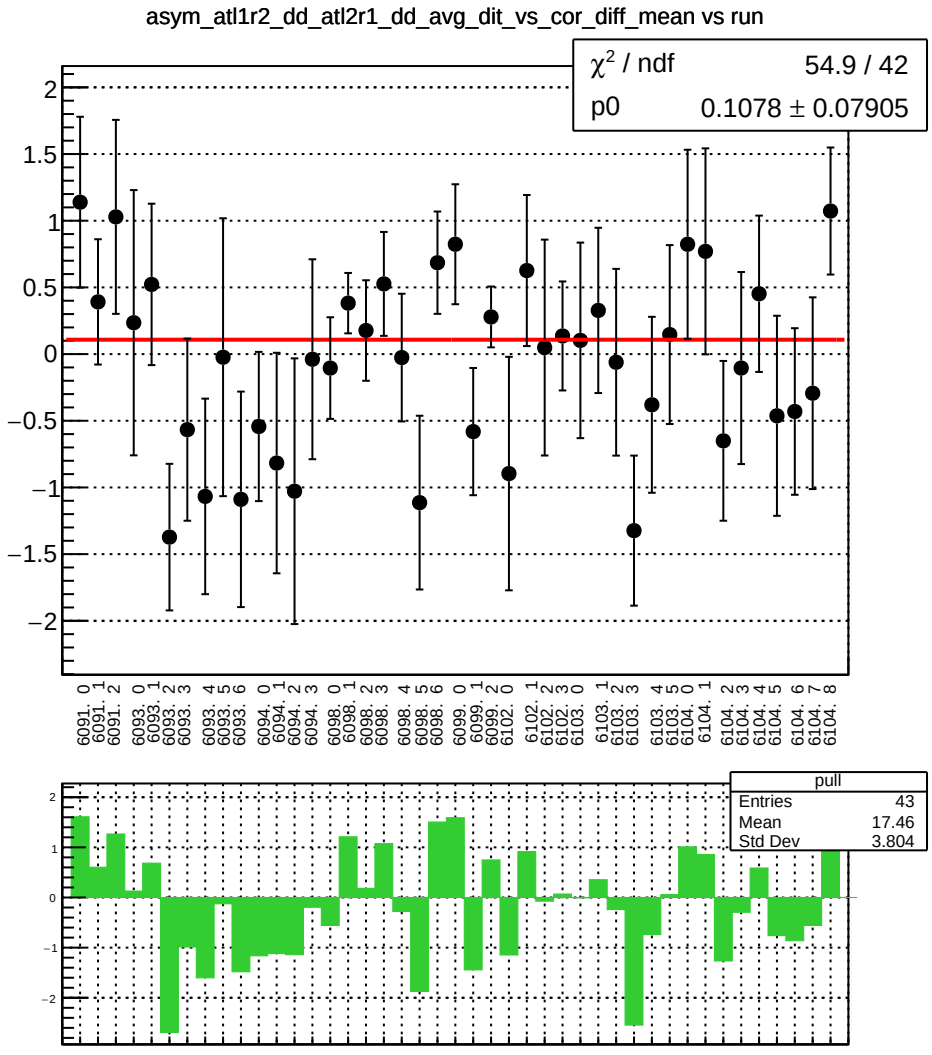

asym_atl1r2_dd_atl2r1_dd_avg_mean vs run
χ² / ndf 38.85 / 42
p0 452.8 ± 2169
40000
20000
0
−20000
−40000
−60000
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean −58.96
Std Dev 0
2
1
0
−1
−2

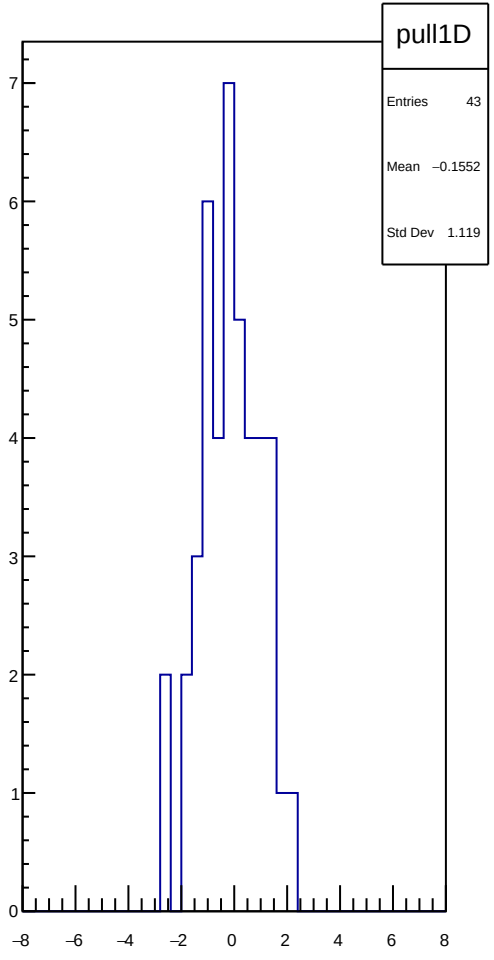

pull1D
Entries 43
Mean 0.01929
Std Dev 0.9504
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

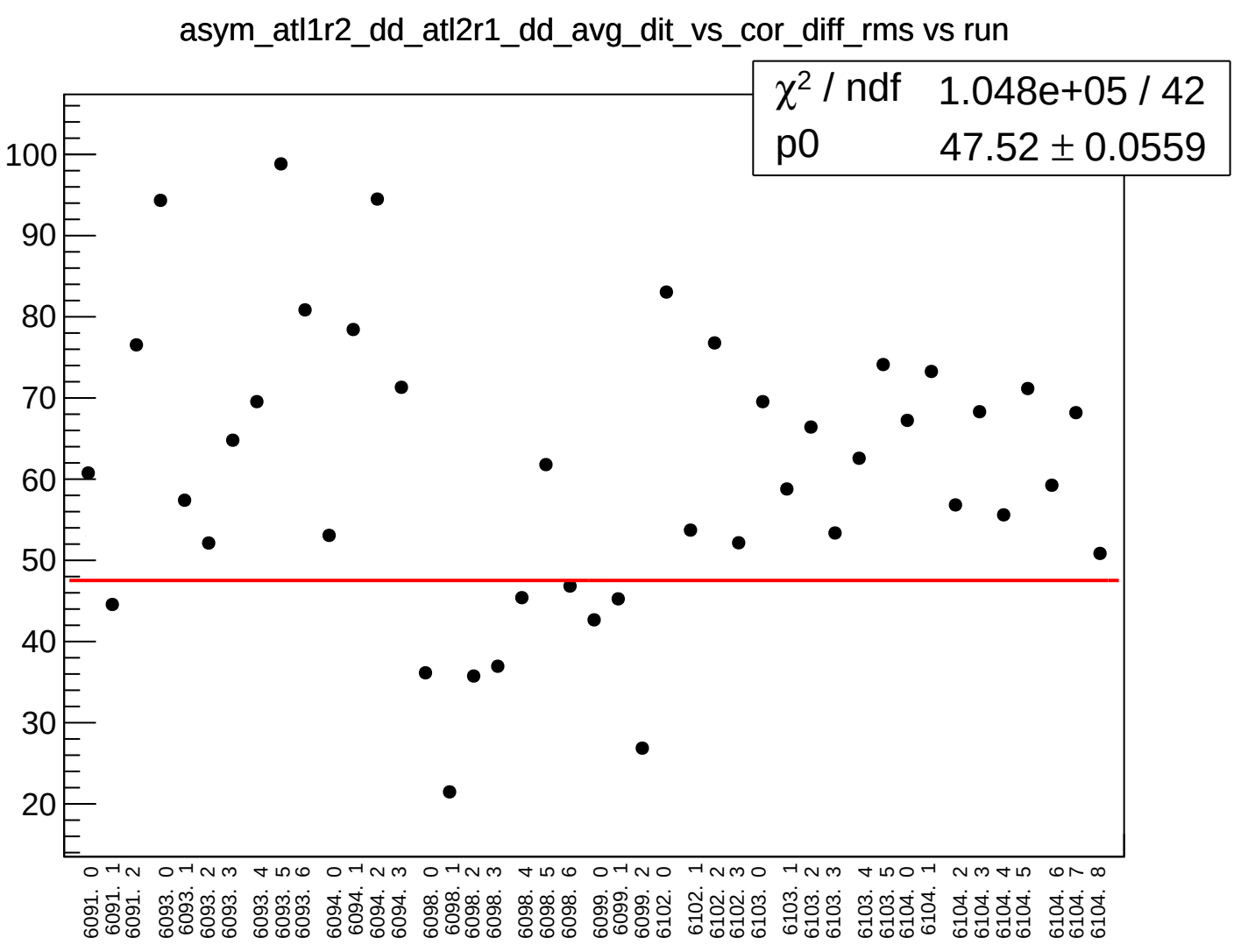

asym_atl1r2_dd_atl2r1_dd_avg_rms vs run
χ² / ndf 197.7 / 42
p0 1395 ± 1.534
1460
1440
1420
1400
1380
1360
1340
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

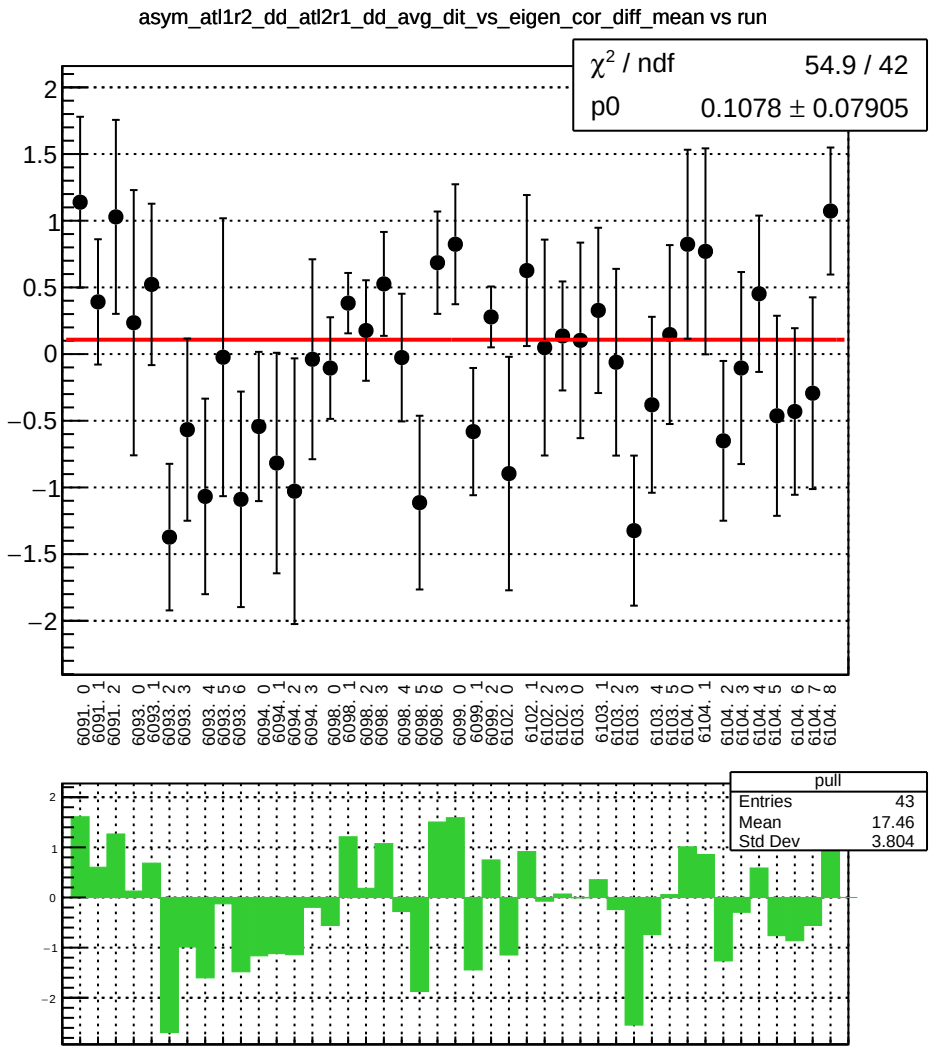

asym_atl1r2_dd_atl2r1_dd_avg_reg_vs_cor_diff_mean vs run
χ² / ndf 47.11 / 42
p0 −5.999e−14 ± 6.747e−14
0.01
0.005
0
−0.005
−0.01
−0.015
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 6.972
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 43
Mean 0.116
Std Dev 1.04
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

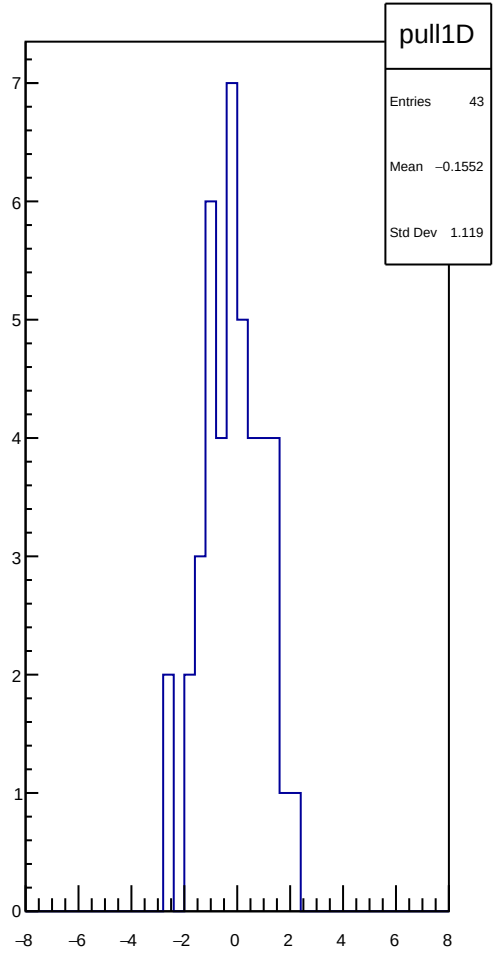

asym_atl1r2_dd_atl2r1_dd_avg_reg_vs_cor_diff_rms vs run
χ² / ndf 6.07e+05 / 42
p0 2.241e−11 ± 4.771e−14
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

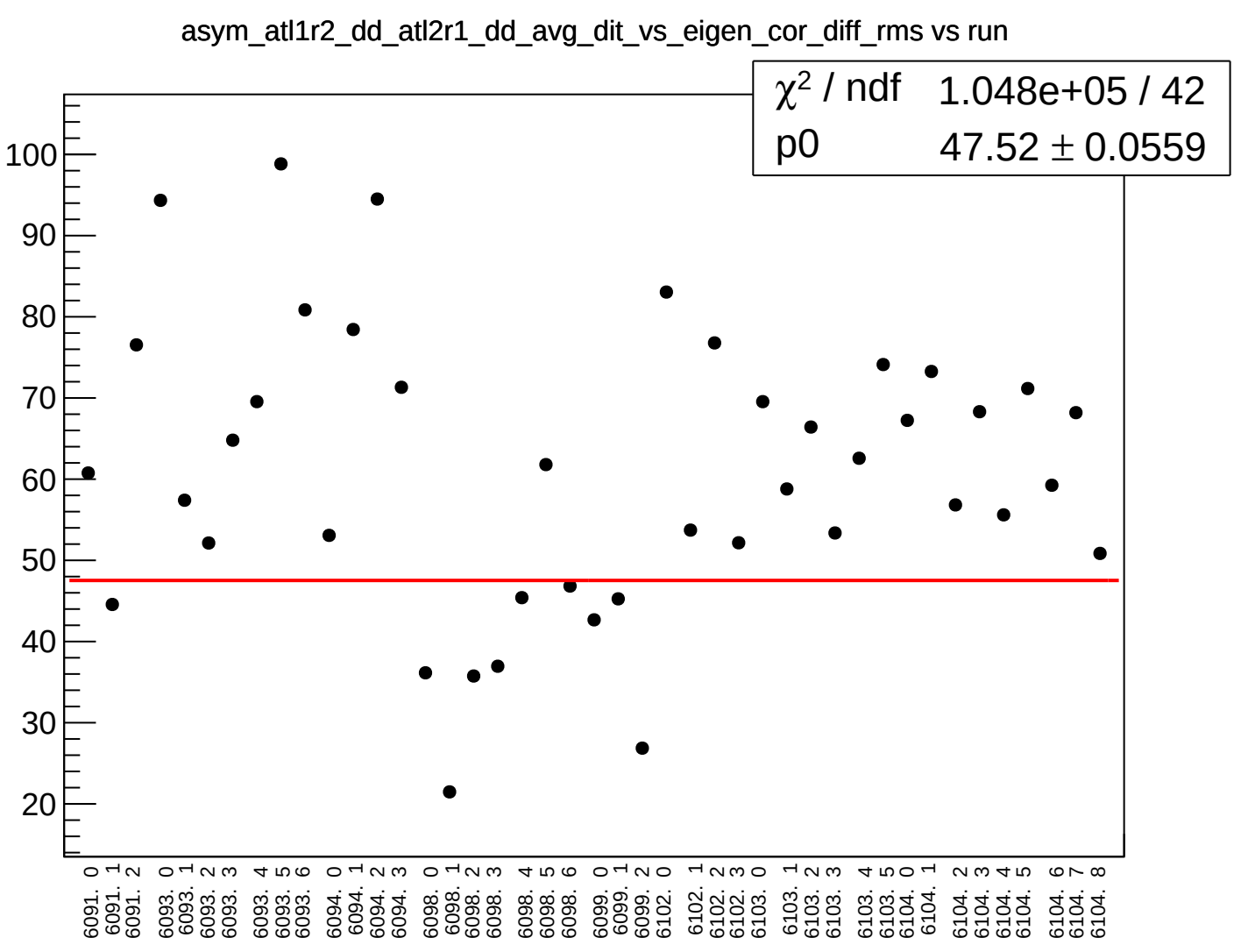

asym_atl1r2_dd_atl2r1_dd_avg_dit_vs_cor_diff_mean vs run
χ² / ndf 54.9 / 42
p0 0.1078 ± 0.07905
pull
Entries 43
Mean 17.46
Std Dev 3.804

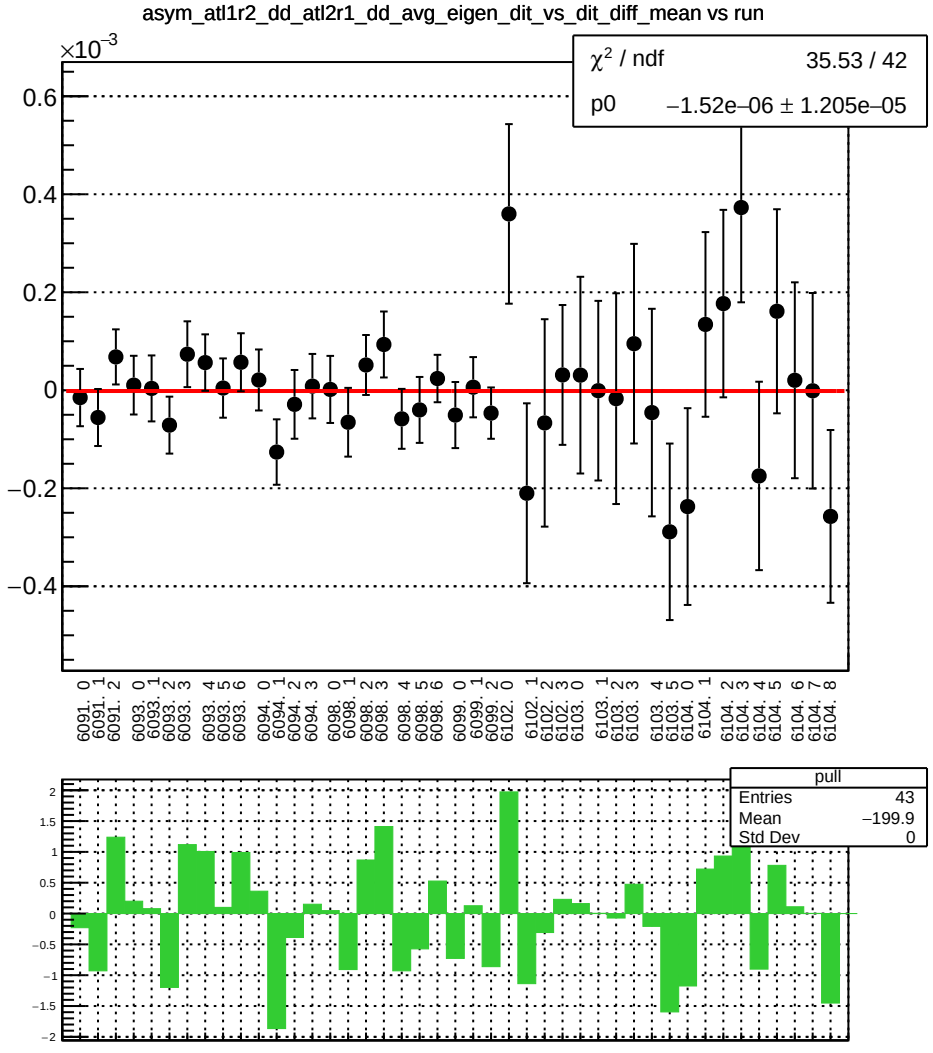

pull1D
Entries 43
Mean −0.1552
Std Dev 1.119

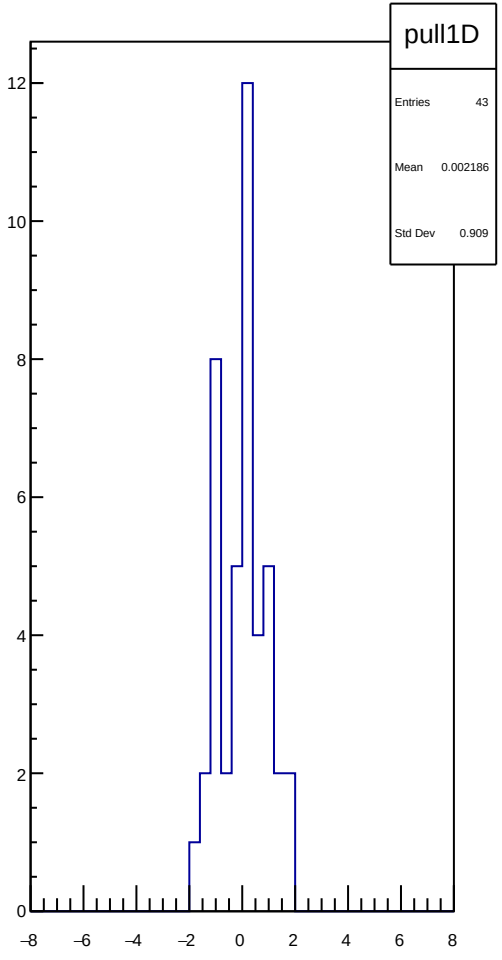

asym_atl1r2_dd_atl2r1_dd_avg_dit_vs_cor_diff_rms vs run
χ² / ndf 1.048e+05 / 42
p0 47.52 ± 0.0559
100
90
80
70
60
50
40
30
20
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

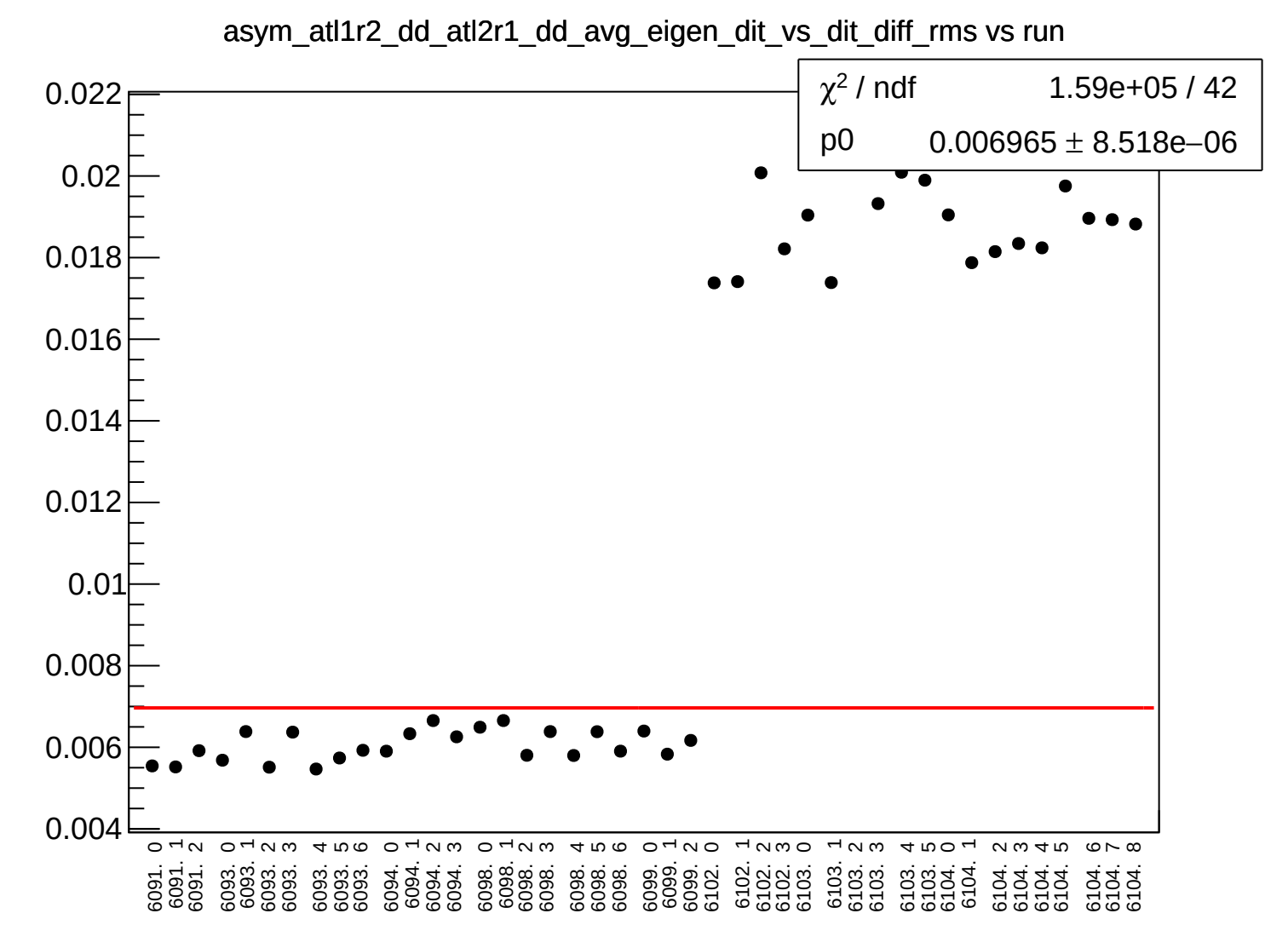

asym_atl1r2_dd_atl2r1_dd_avg_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 54.9 / 42
p0 0.1078 ± 0.07905
pull
Entries 43
Mean 17.46
Std Dev 3.804

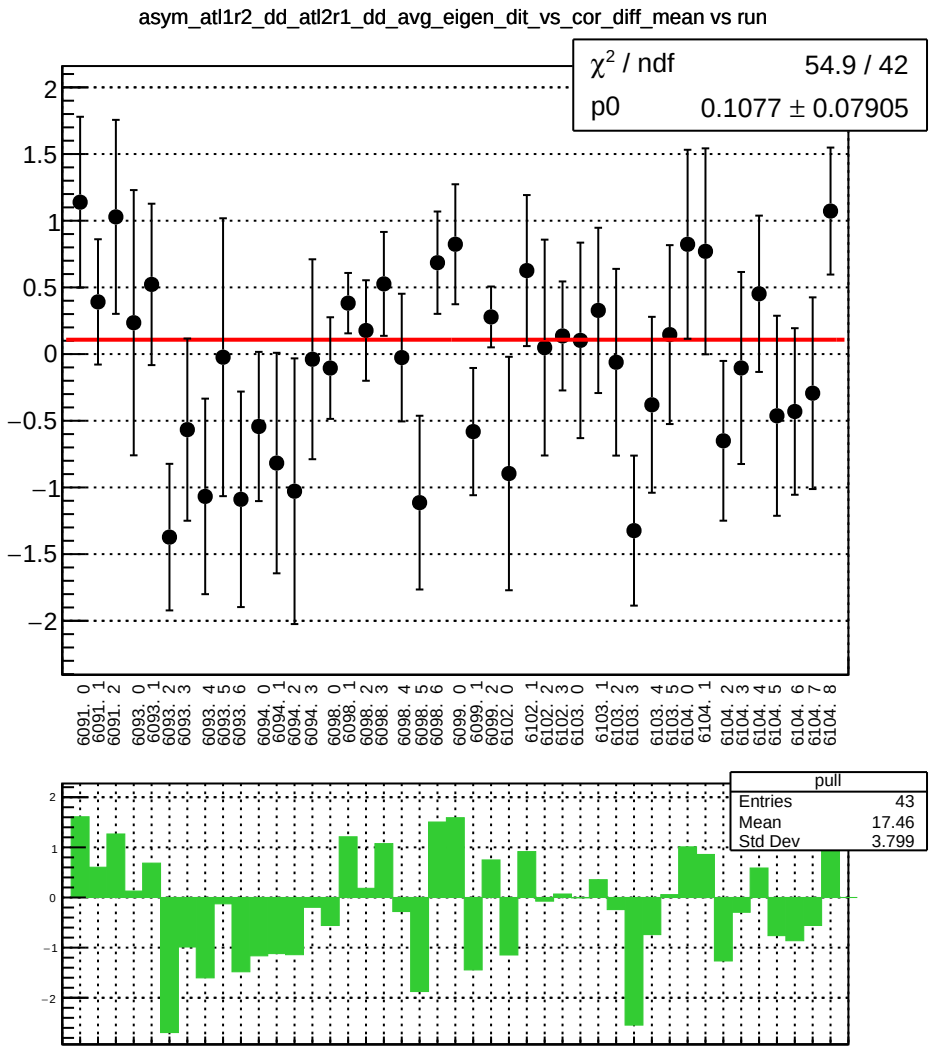

pull1D
Entries 43
Mean −0.1552
Std Dev 1.119

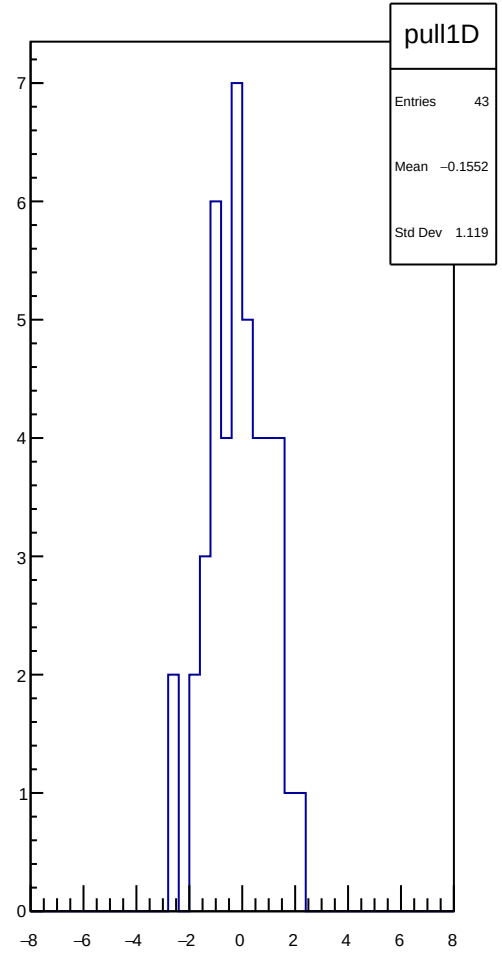

asym_atl1r2_dd_atl2r1_dd_avg_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.048e+05 / 42
p0 47.52 ± 0.0559
100
90
80
70
60
50
40
30
20
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

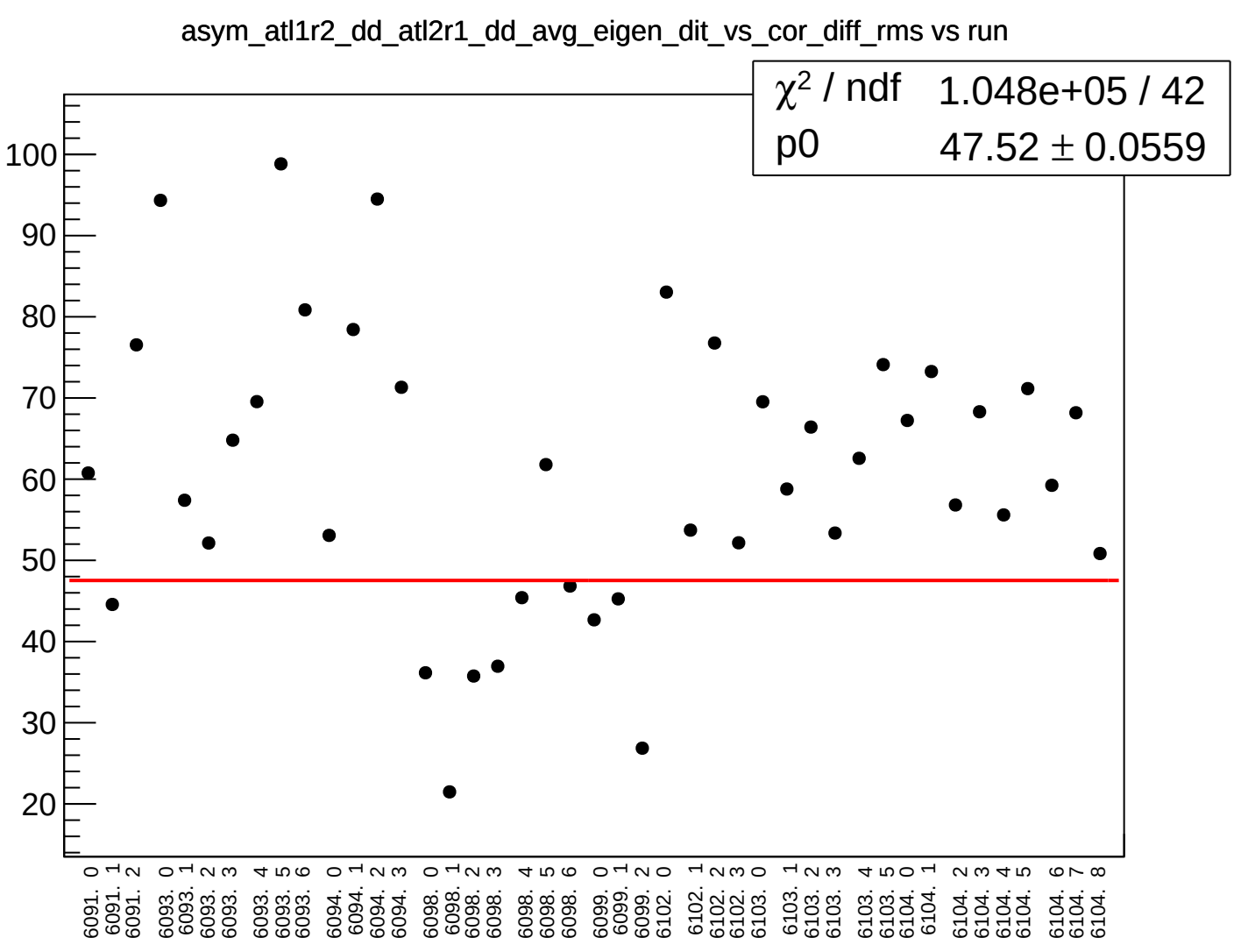

asym_atl1r2_dd_atl2r1_dd_avg_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 35.53 / 42
p0 −1.52e−06 ± 1.205e−05
0.6
0.4
0.2
0
−0.2
−0.4
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean −199.9
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

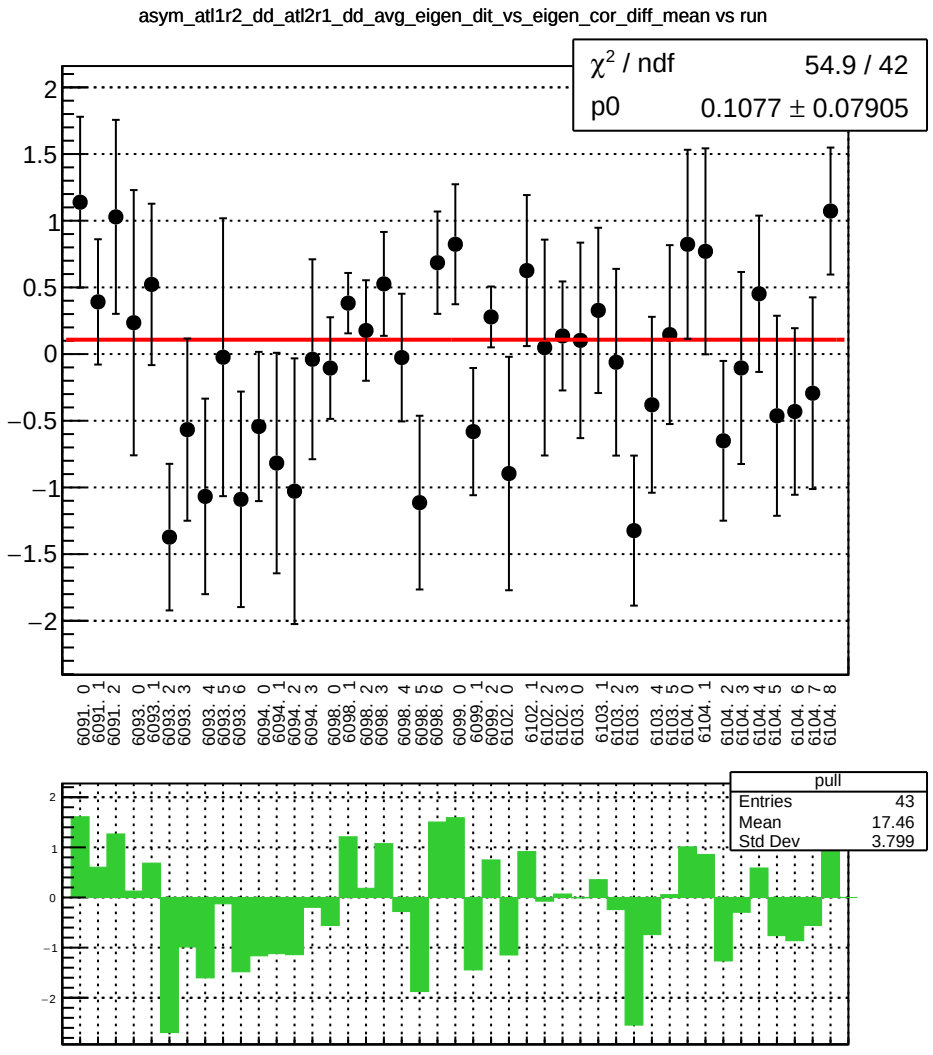

pull1D
Entries 43
Mean 0.002186
Std Dev 0.909
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

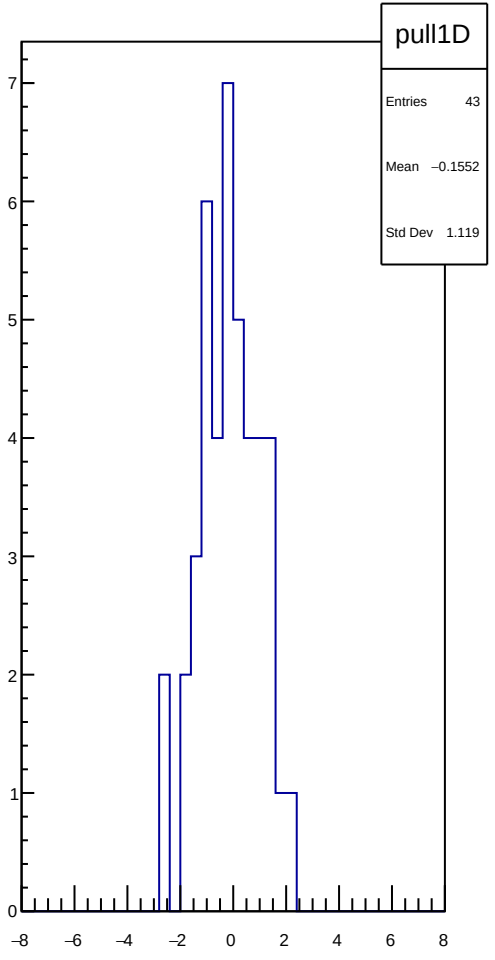

asym_atl1r2_dd_atl2r1_dd_avg_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 1.59e+05 / 42
p0 0.006965 ± 8.518e−06
0.022
0.02
0.018
0.016
0.014
0.012
0.01
0.008
0.006
0.004
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

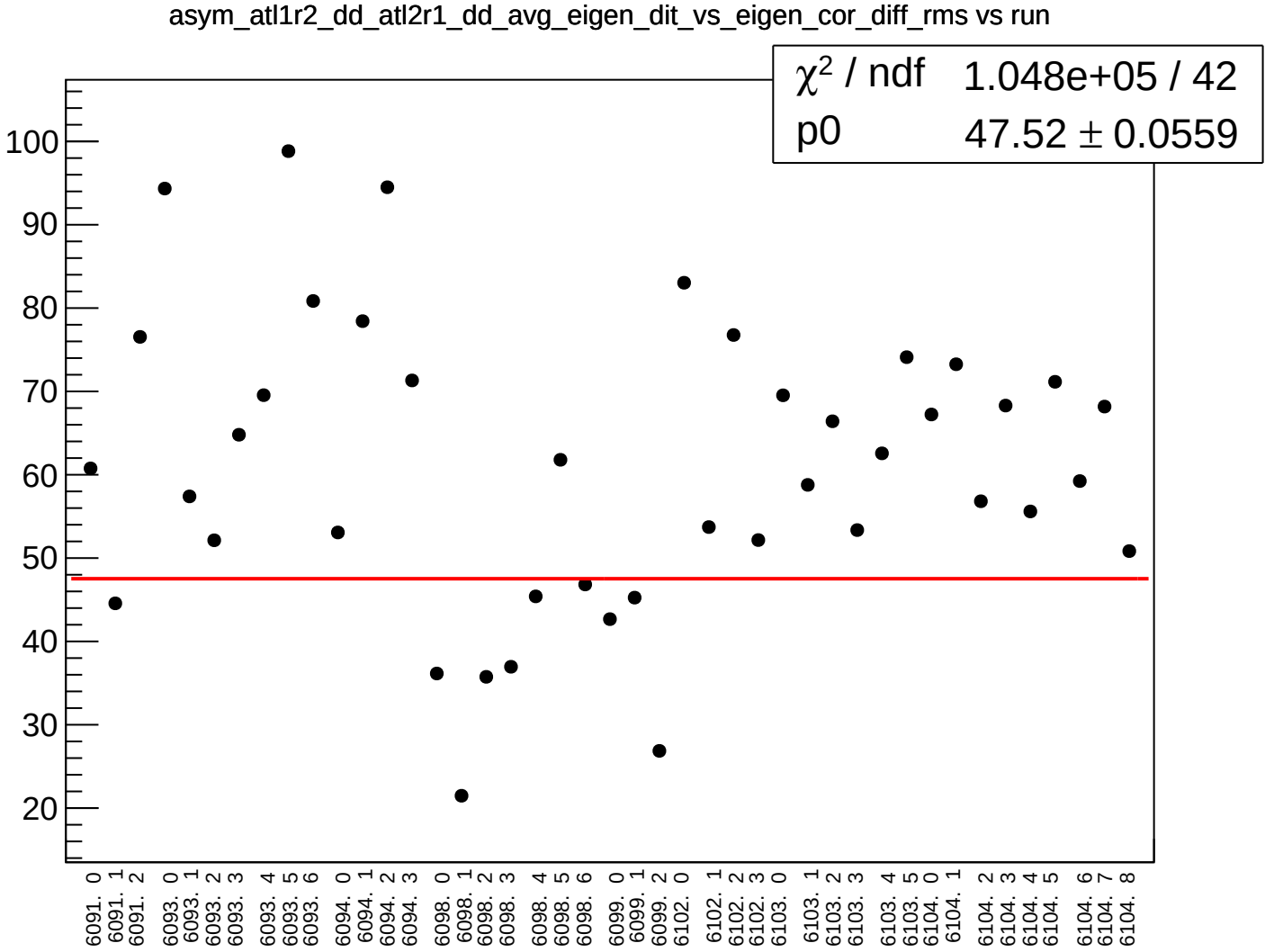

asym_atl1r2_dd_atl2r1_dd_avg_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 54.9 / 42
p0 0.1077 ± 0.07905
pull
Entries 43
Mean 17.46
Std Dev 3.799

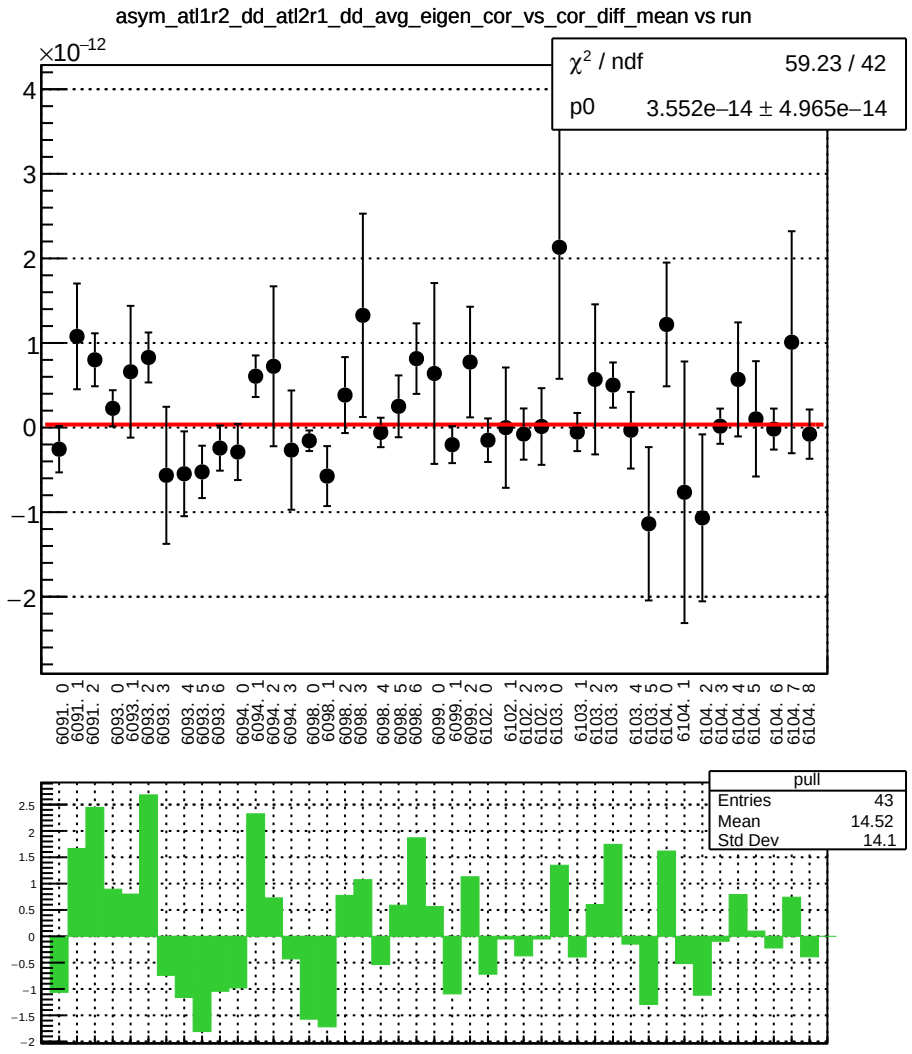

pull1D
Entries 43
Mean −0.1552
Std Dev 1.119

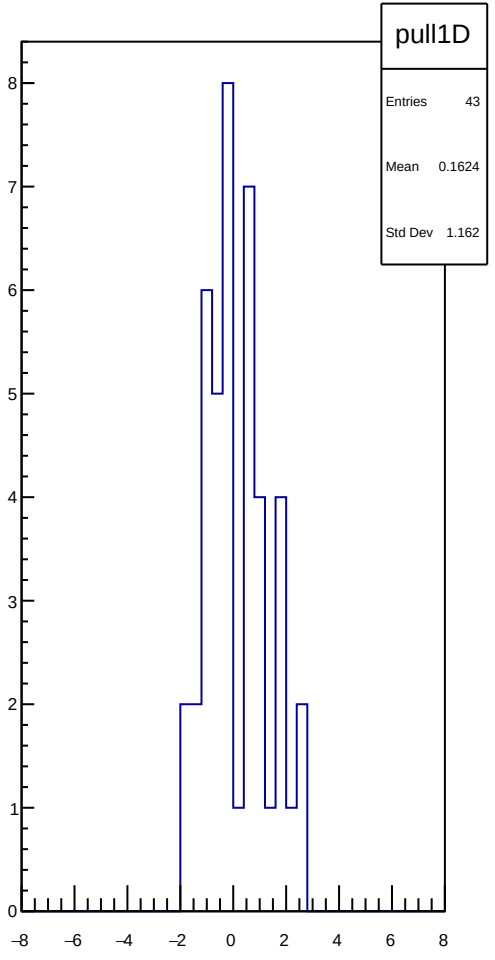

asym_atl1r2_dd_atl2r1_dd_avg_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 1.048e+05 / 42
p0 47.52 ± 0.0559
100
90
80
70
60
50
40
30
20
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

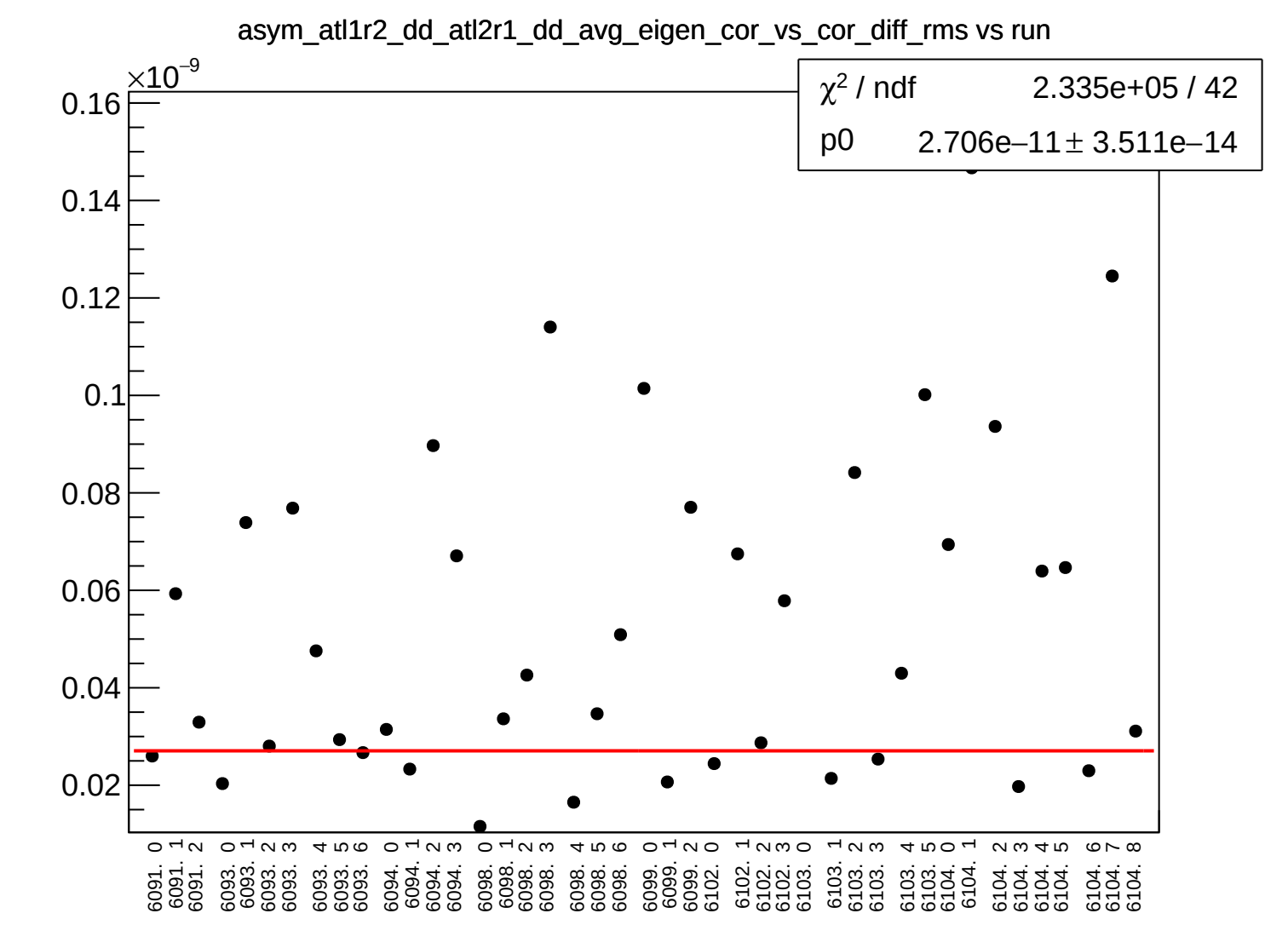

asym_atl1r2_dd_atl2r1_dd_avg_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 54.9 / 42
p0 0.1077 ± 0.07905
pull
Entries 43
Mean 17.46
Std Dev 3.799

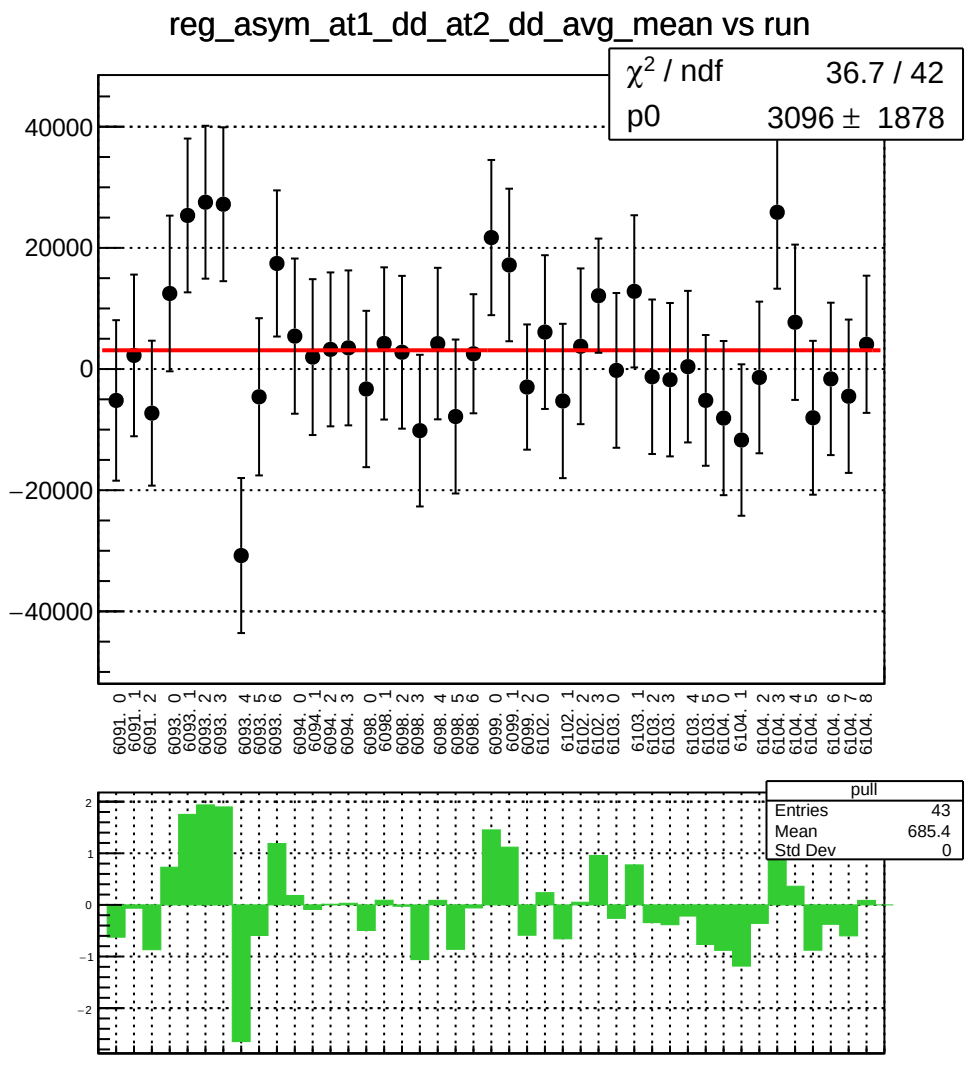

pull1D
Entries 43
Mean −0.1552
Std Dev 1.119

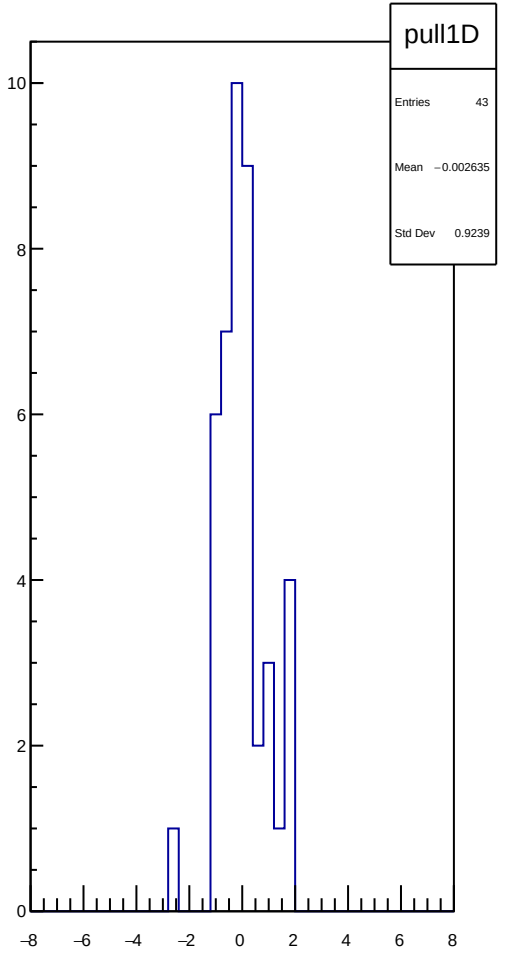

asym_atl1r2_dd_atl2r1_dd_avg_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.048e+05 / 42
p0 47.52 ± 0.0559
100
90
80
70
60
50
40
30
20
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

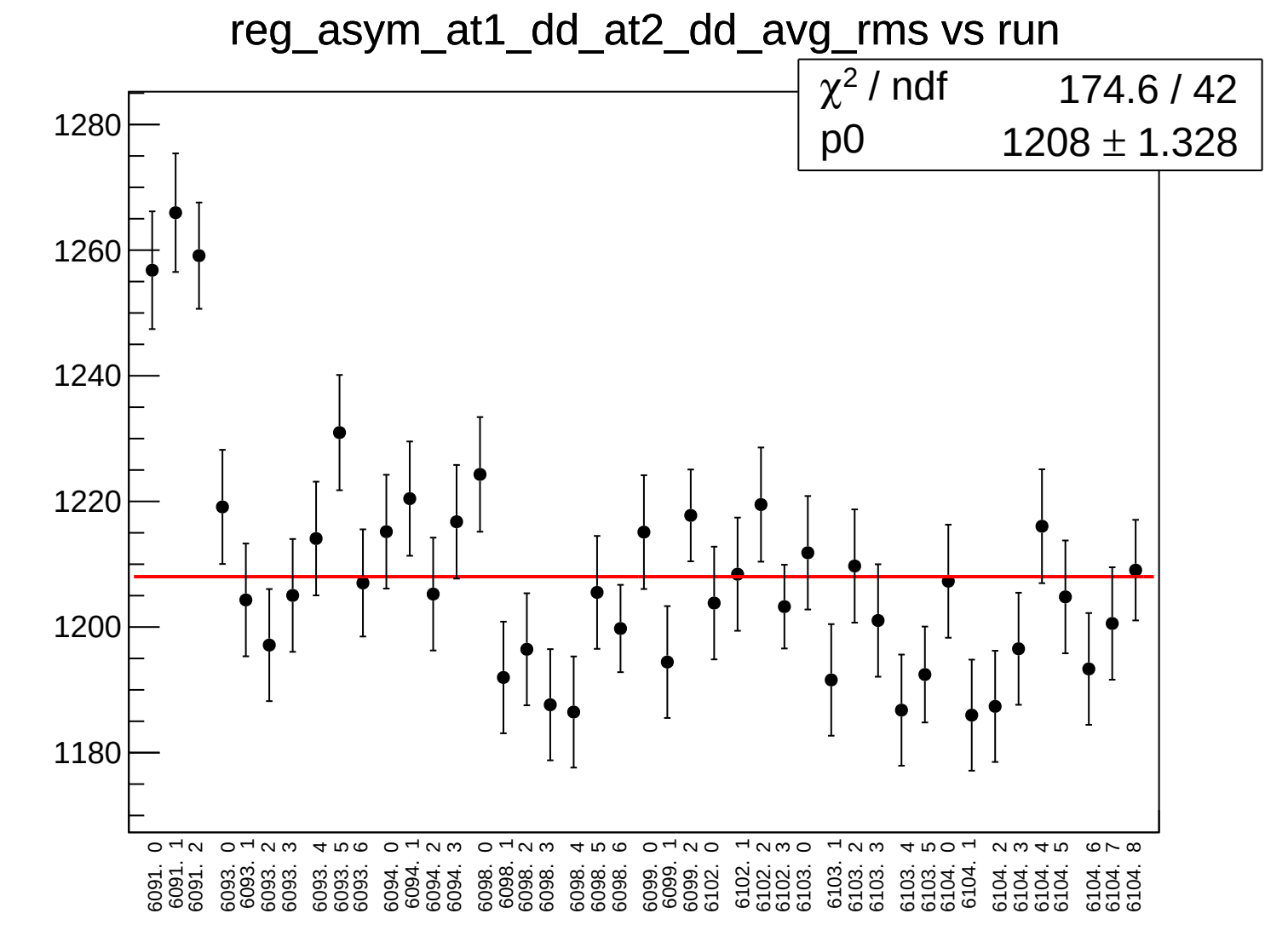

asym_atl1r2_dd_atl2r1_dd_avg_eigen_cor_vs_cor_diff_mean vs run
×10−12
χ2 / ndf 59.23 / 42
p0 3.552e−14 ± 4.965e−14
pull
Entries 43
Mean 14.52
Std Dev 14.1

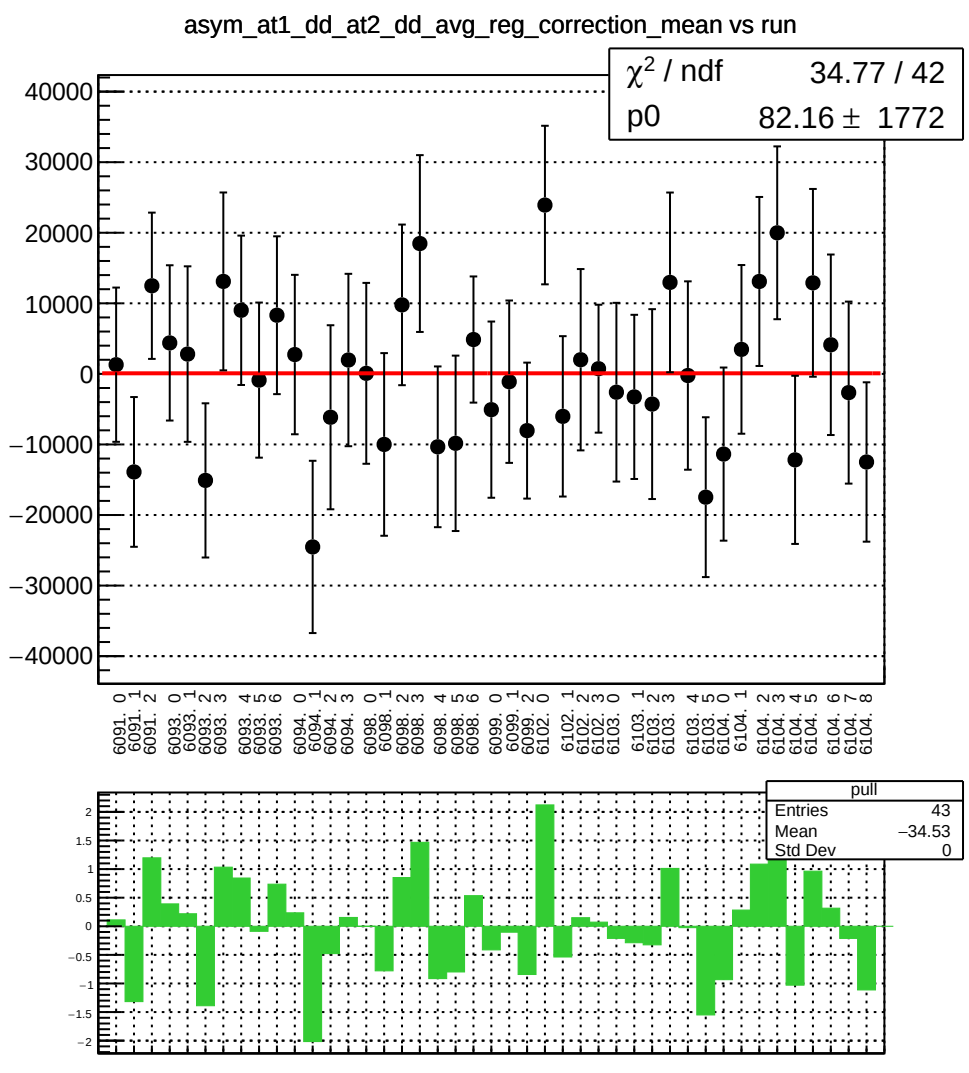

pull1D
Entries 43
Mean 0.1624
Std Dev 1.162

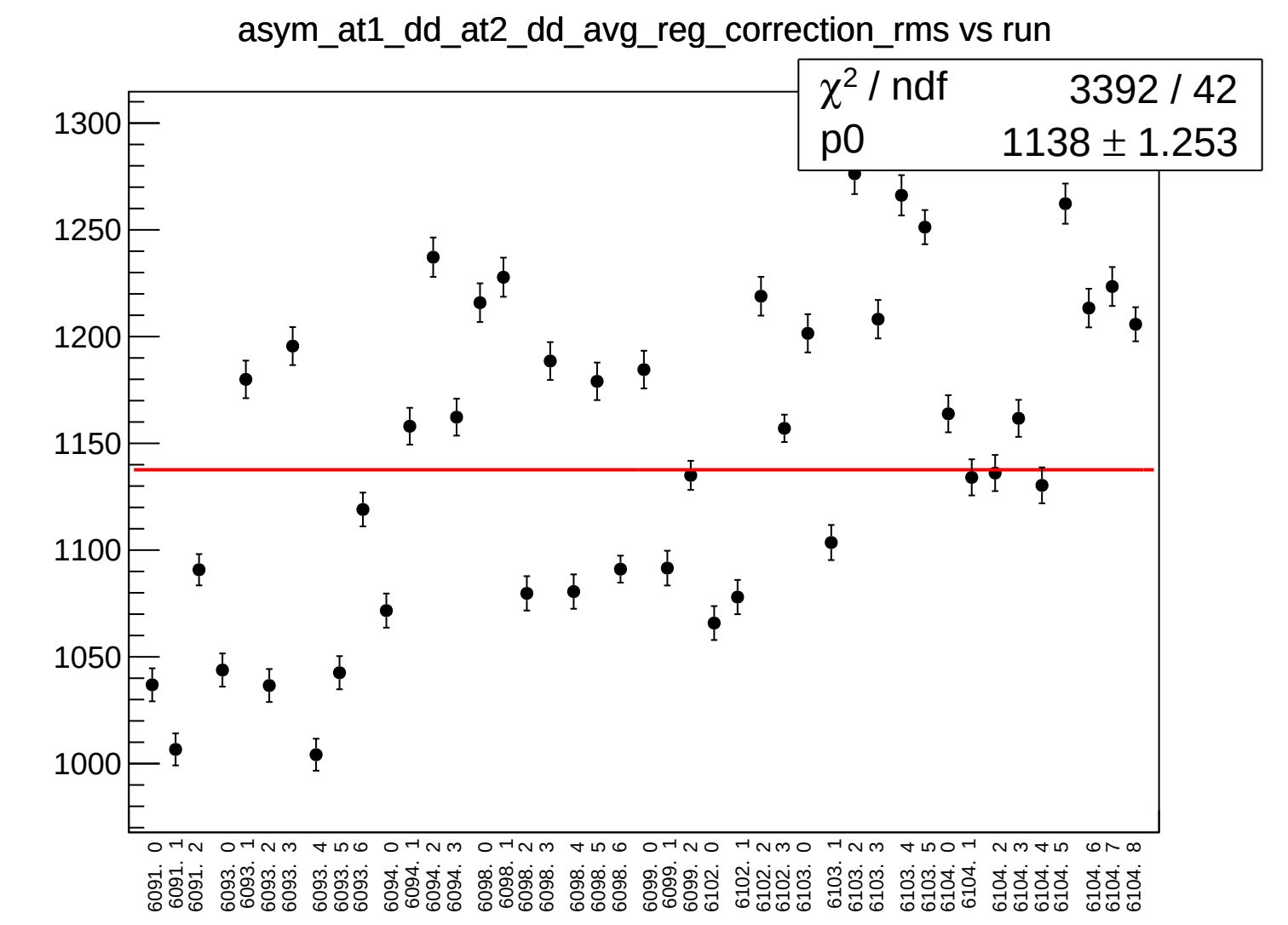

asym_atl1r2_dd_atl2r1_dd_avg_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 2.335e+05 / 42
p0 2.706e−11 ± 3.511e−14
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

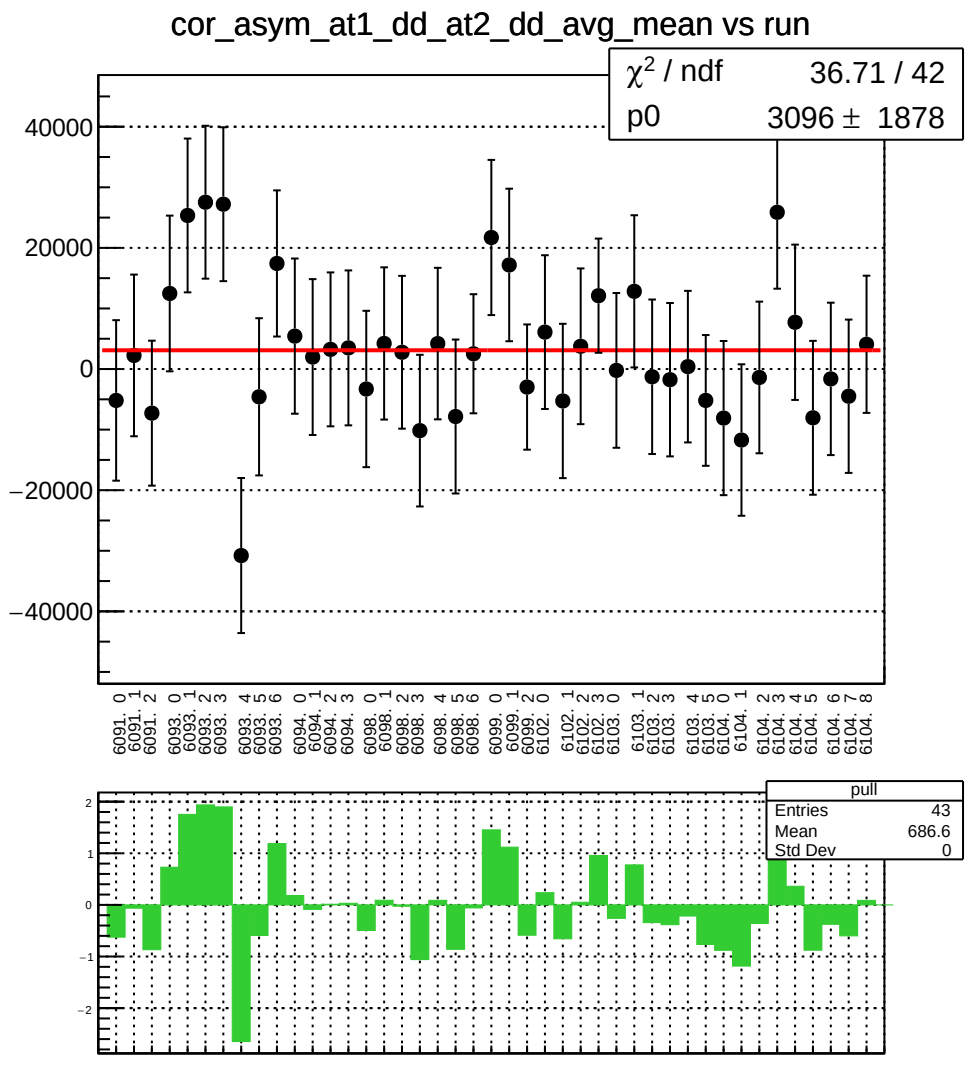

reg_asym_at1_dd_at2_dd_avg_mean vs run
χ² / ndf 36.7 / 42
p0 3096 ± 1878
40000
20000
0
−20000
−40000
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 685.4
Std Dev 0
2
1
0
−1
−2

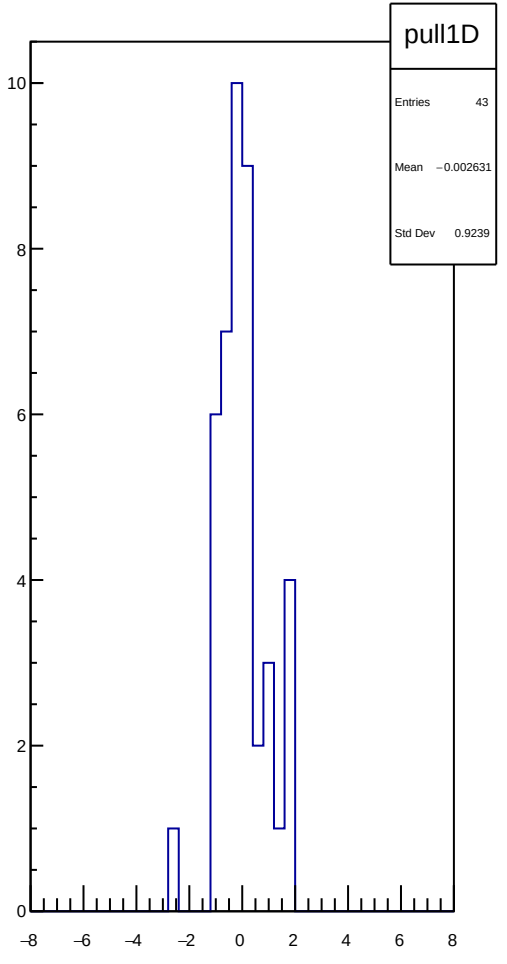

pull1D
Entries 43
Mean −0.002635
Std Dev 0.9239
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

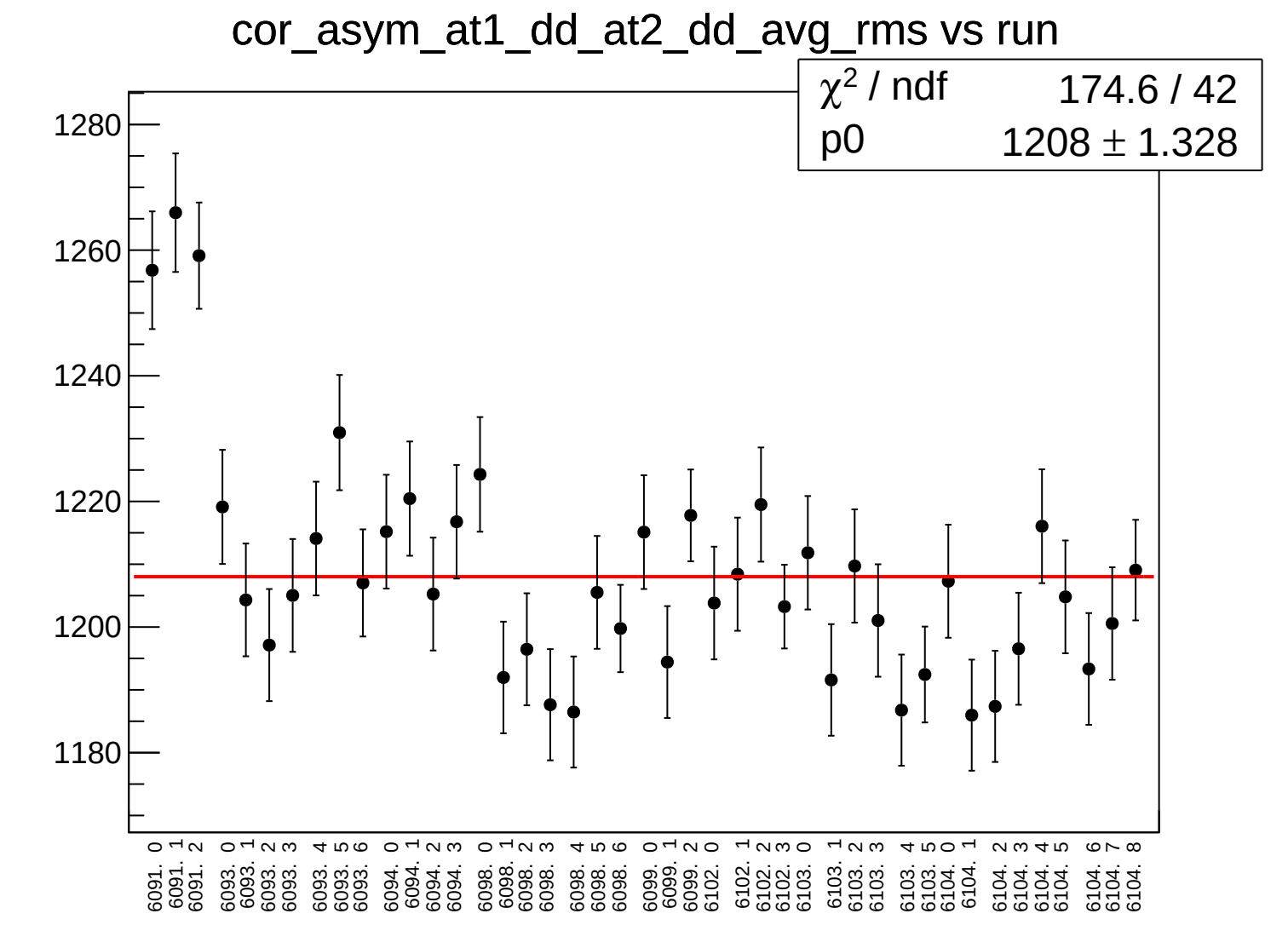

reg_asym_at1_dd_at2_dd_avg_rms vs run
χ² / ndf 174.6 / 42
p0 1208 ± 1.328
1280
1260
1240
1220
1200
1180
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

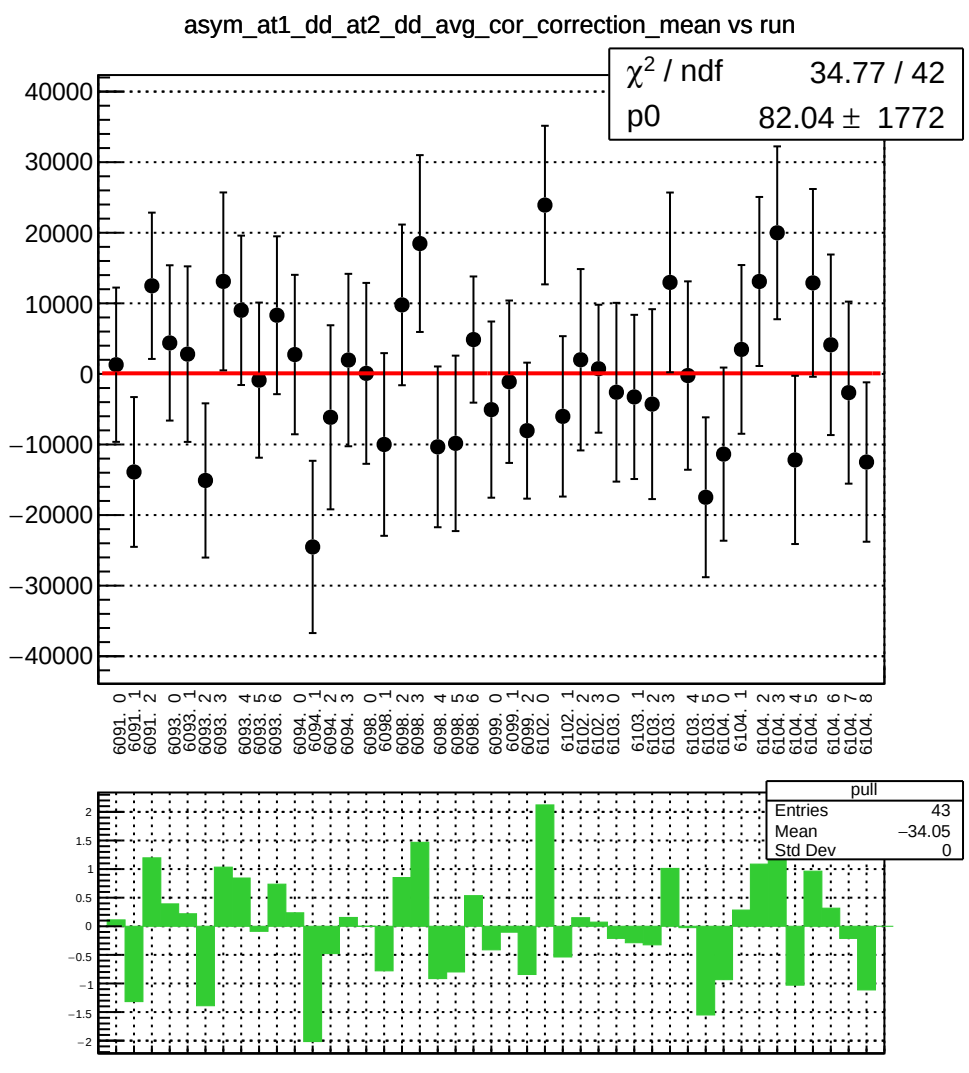

asym_at1_dd_at2_dd_avg_reg_correction_mean vs run
χ² / ndf 34.77 / 42
p0 82.16 ± 1772
40000
30000
20000
10000
0
−10000
−20000
−30000
−40000
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean −34.53
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 43
Mean 0.001139
Std Dev 0.8993
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

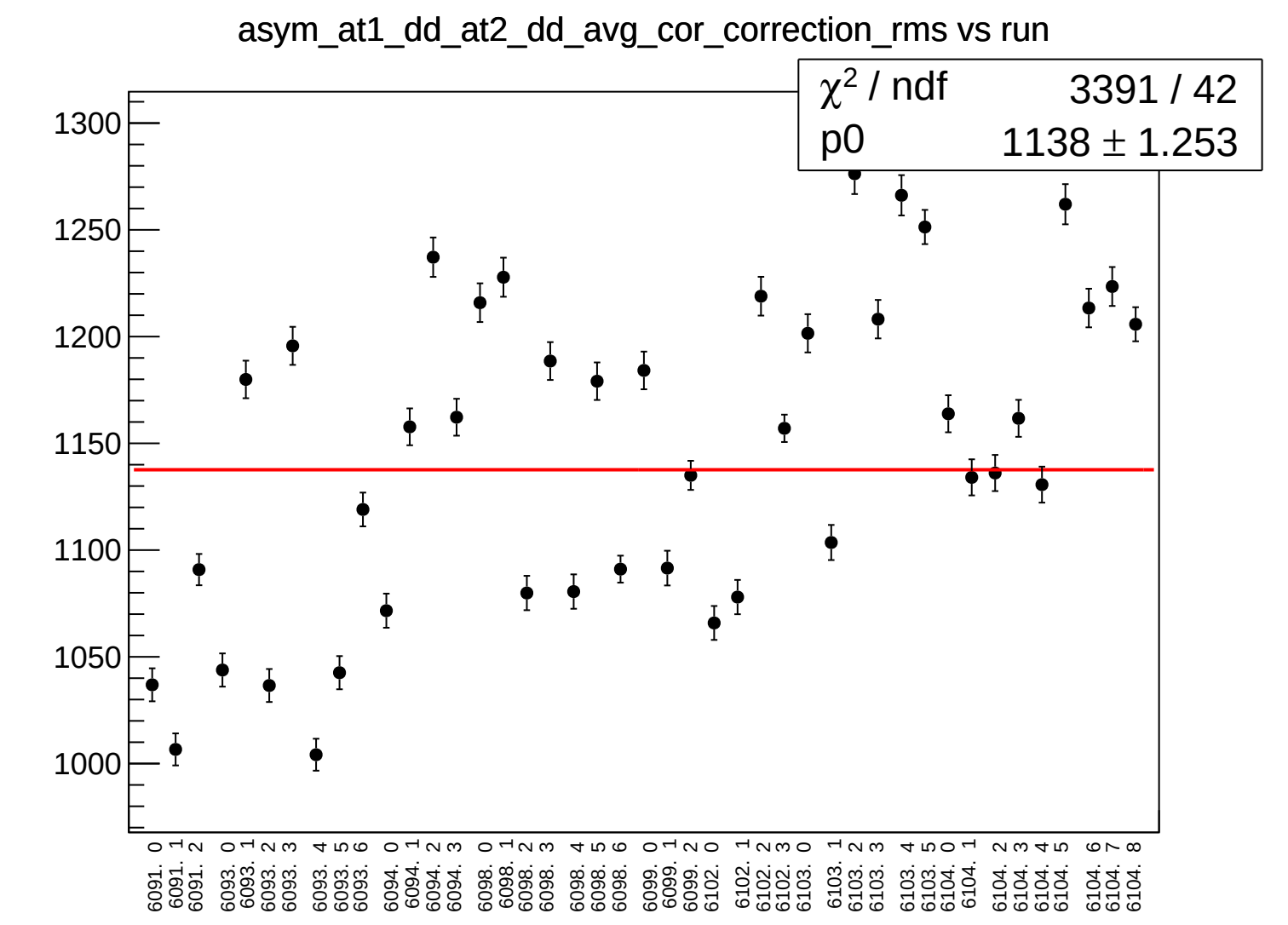

asym_at1_dd_at2_dd_avg_reg_correction_rms vs run
χ² / ndf 3392 / 42
p0 1138 ± 1.253
1300
1250
1200
1150
1100
1050
1000
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

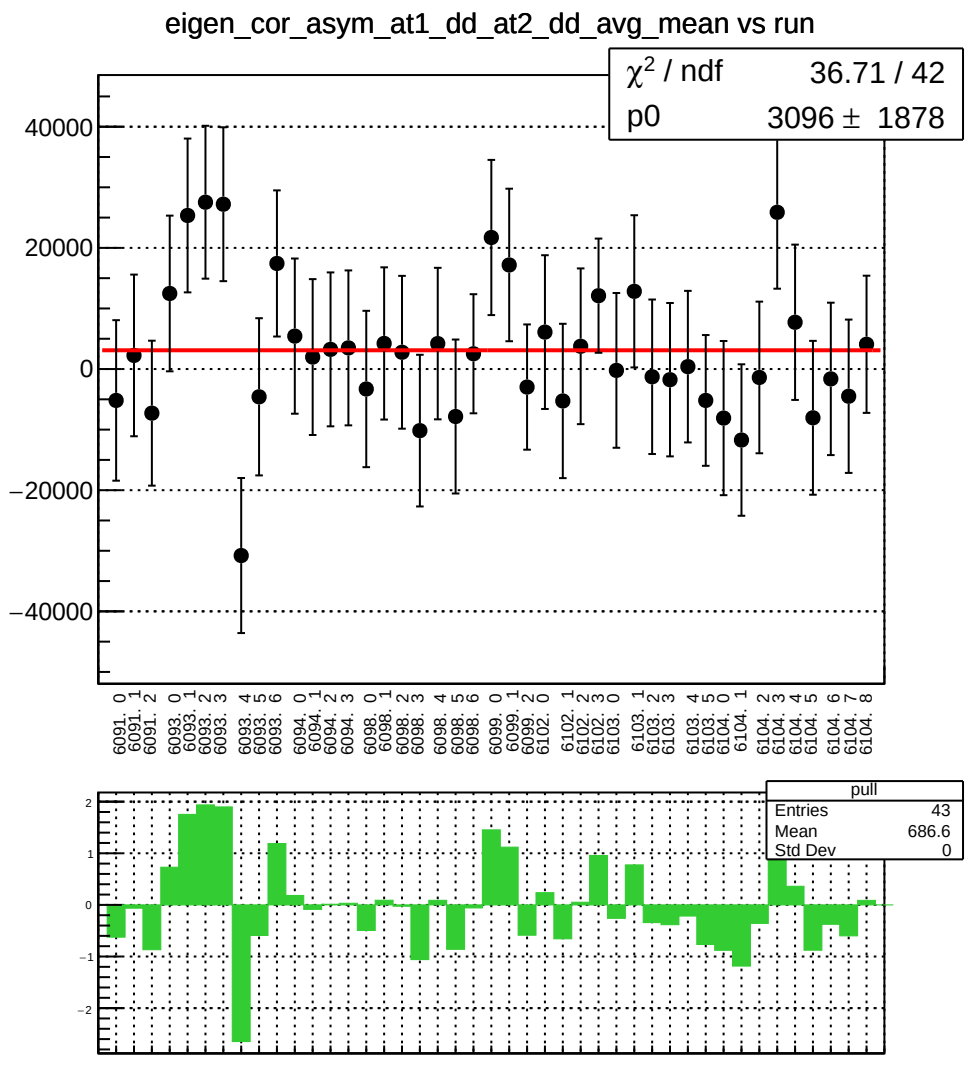

cor_asym_at1_dd_at2_dd_avg_mean vs run
χ² / ndf 36.71 / 42
p0 3096 ± 1878
40000
20000
0
−20000
−40000
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 686.6
Std Dev 0
2
1
0
−1
−2

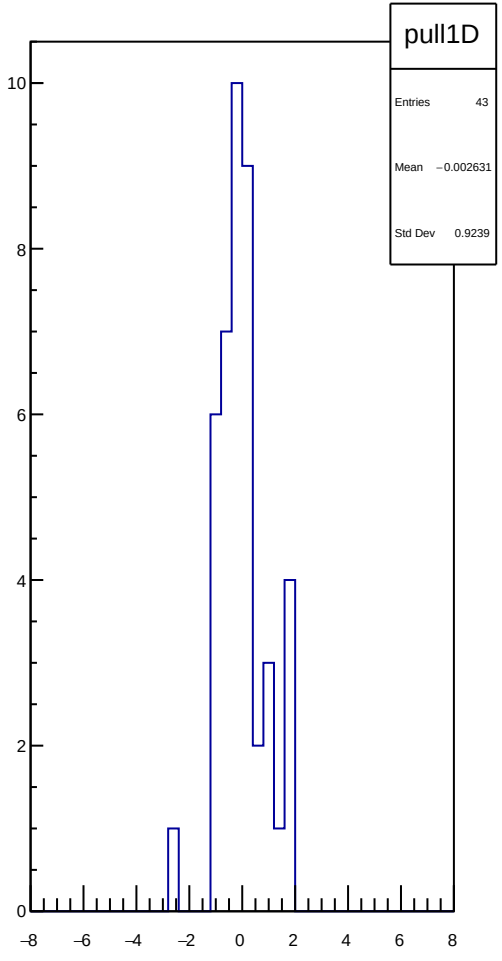

pull1D
Entries 43
Mean −0.002631
Std Dev 0.9239
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

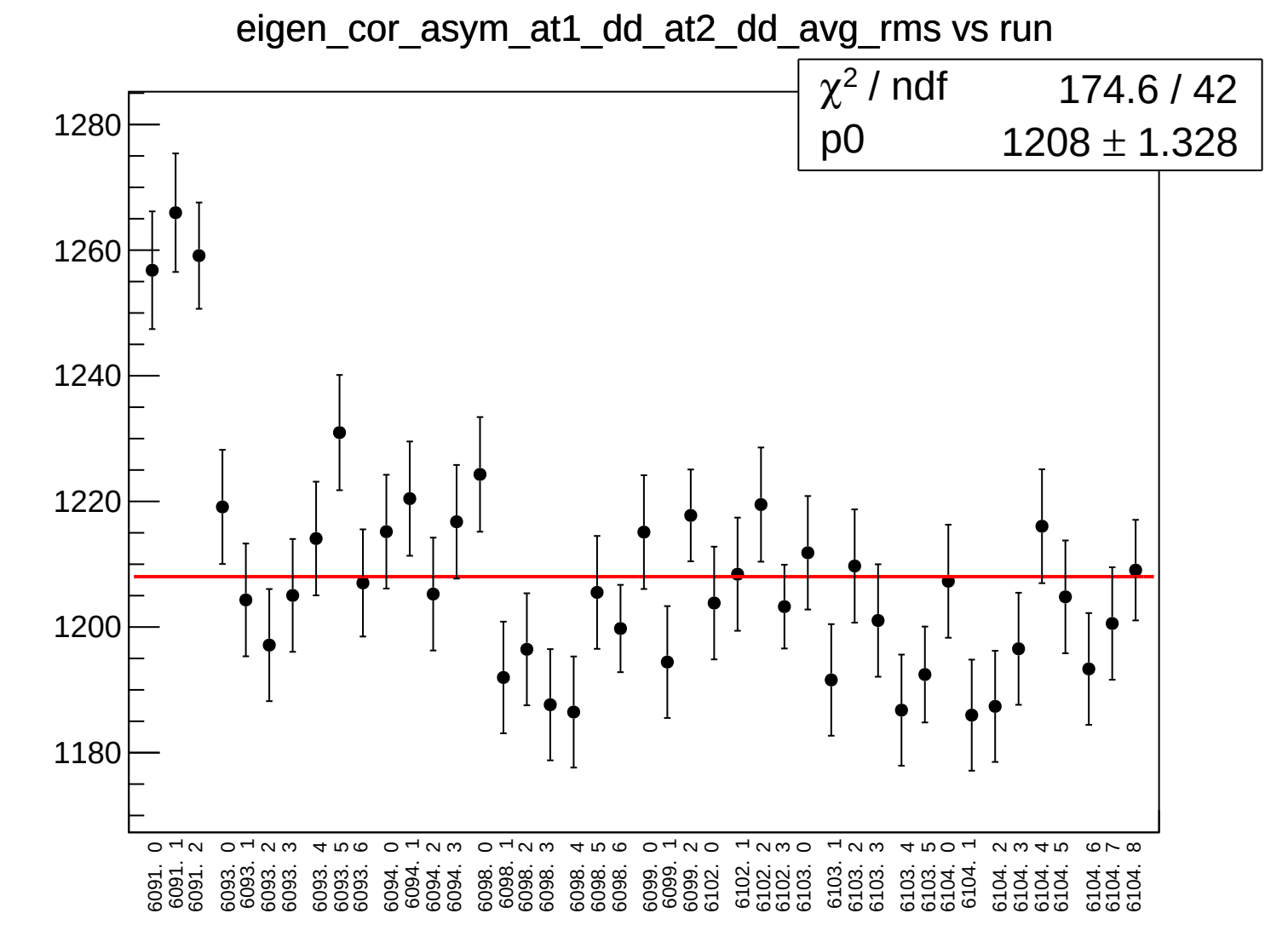

cor_asym_at1_dd_at2_dd_avg_rms vs run
χ² / ndf 174.6 / 42
p0 1208 ± 1.328
1280
1260
1240
1220
1200
1180
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8


asym_at1_dd_at2_dd_avg_cor_correction_mean vs run
χ² / ndf 34.77 / 42
p0 82.04 ± 1772
40000
30000
20000
10000
0
−10000
−20000
−30000
−40000
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean −34.05
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 43
Mean 0.00115
Std Dev 0.8993
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


asym_at1_dd_at2_dd_avg_cor_correction_rms vs run
χ² / ndf 3391 / 42
p0 1138 ± 1.253
1300
1250
1200
1150
1100
1050
1000
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8


eigen_cor_asym_at1_dd_at2_dd_avg_mean vs run
χ² / ndf 36.71 / 42
p0 3096 ± 1878
40000
20000
0
−20000
−40000
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 686.6
Std Dev 0
2
1
0
−1
−2


pull1D
Entries 43
Mean −0.002631
Std Dev 0.9239
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


eigen_cor_asym_at1_dd_at2_dd_avg_rms vs run
χ² / ndf 174.6 / 42
p0 1208 ± 1.328
1280
1260
1240
1220
1200
1180
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
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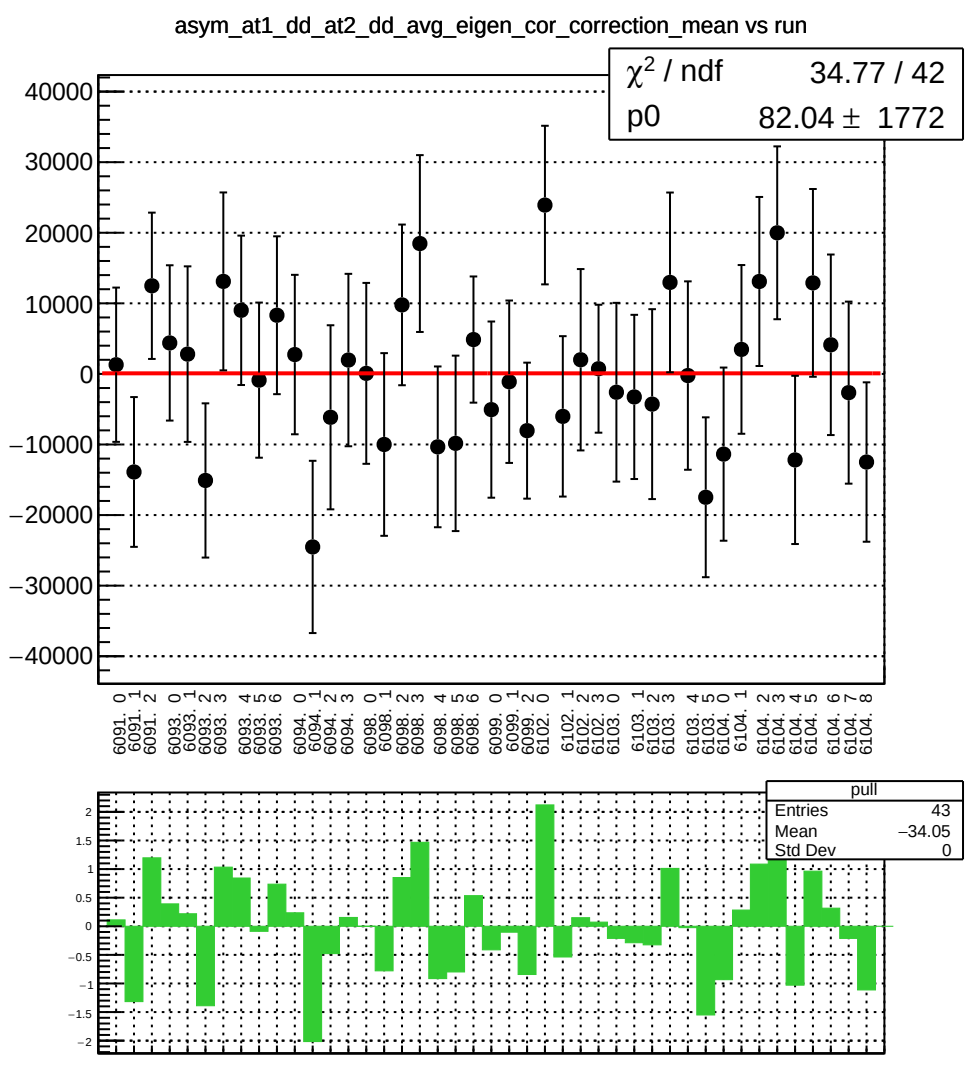
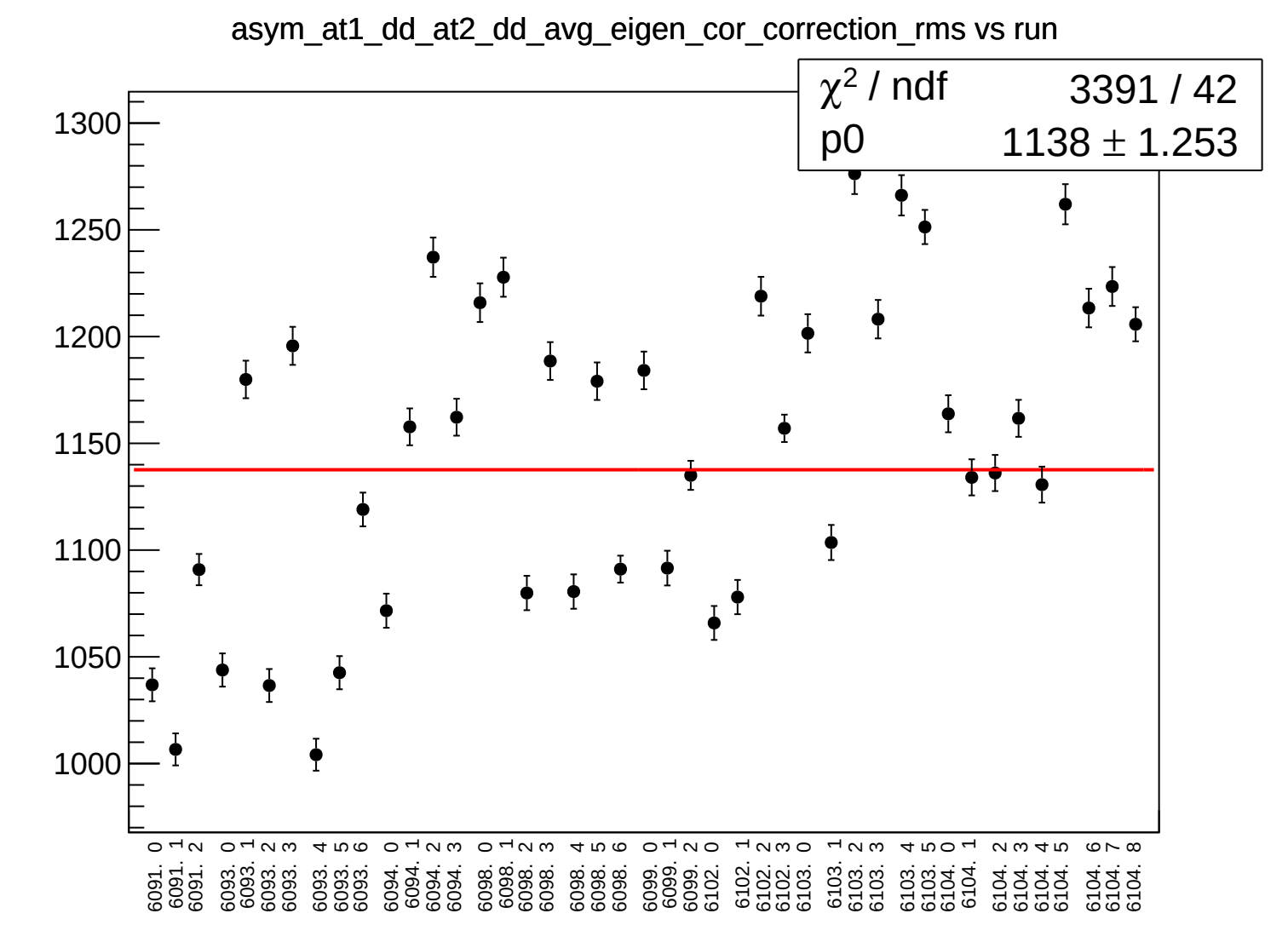
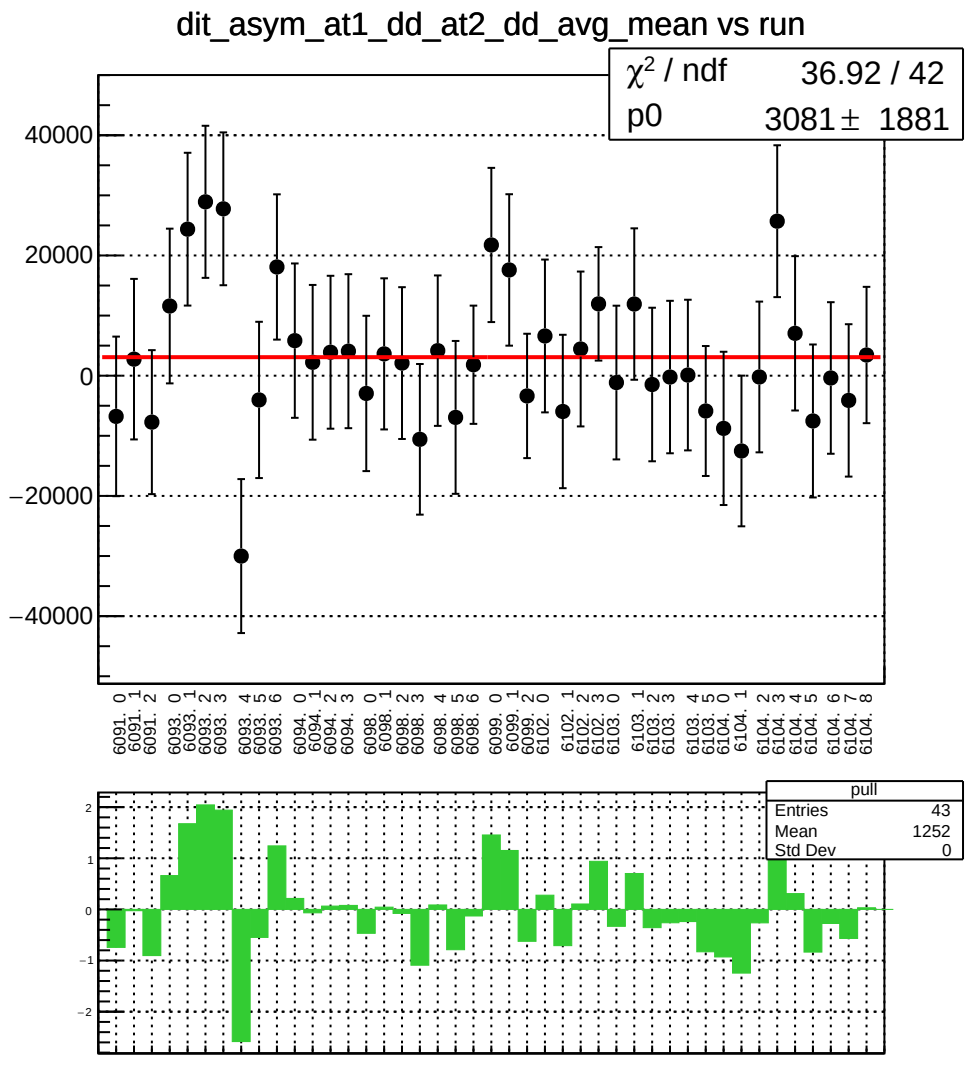
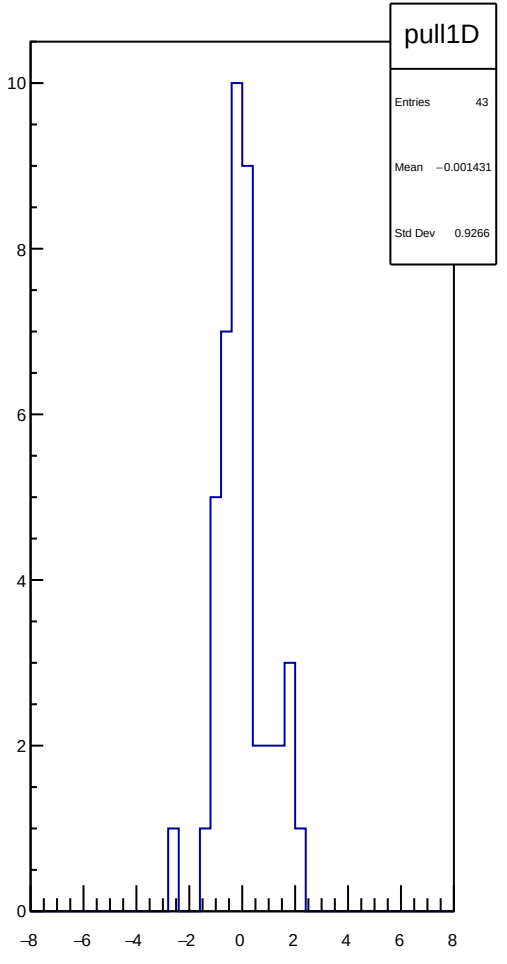
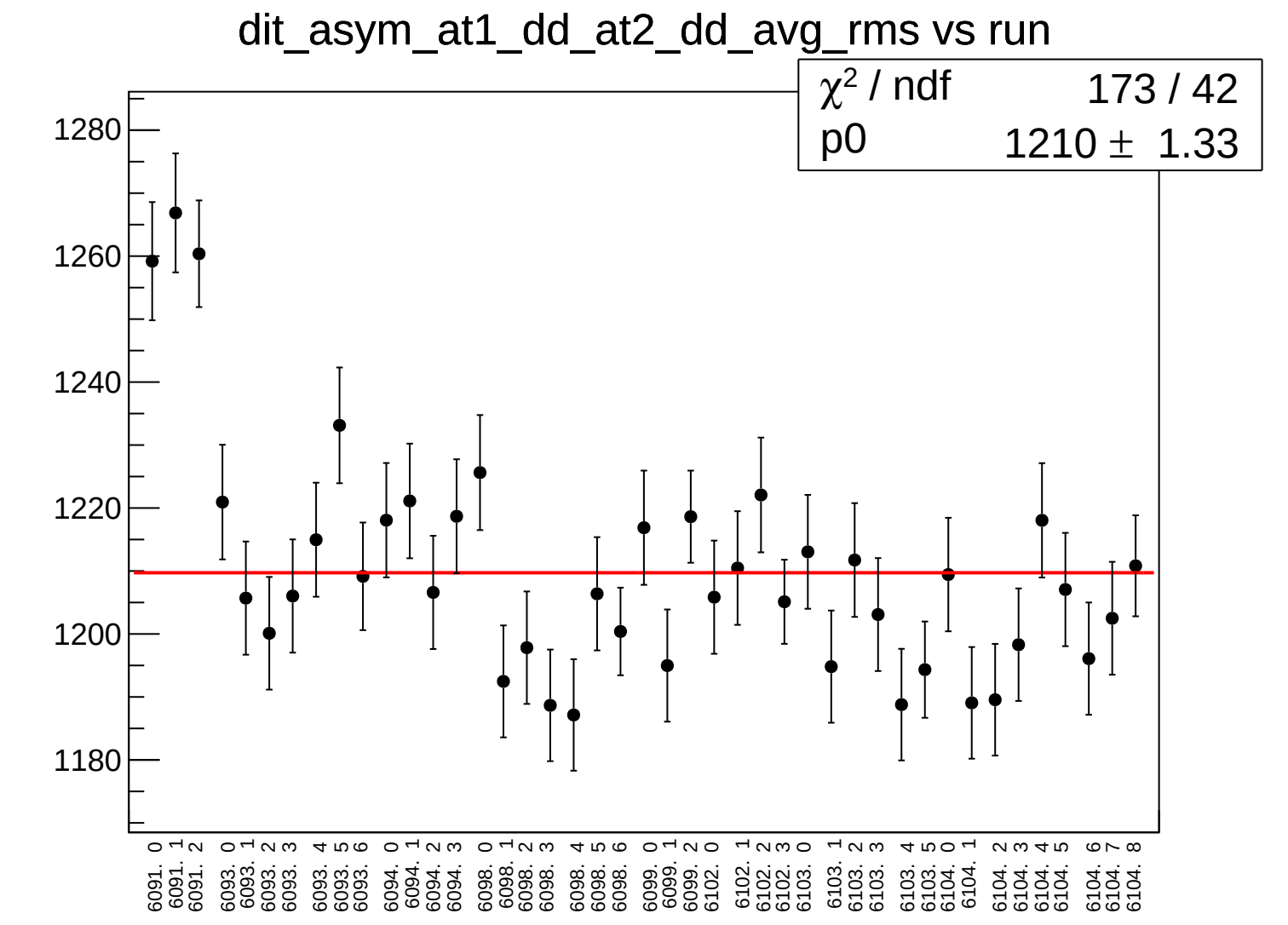
6104. 6
6104. 7
6104. 8

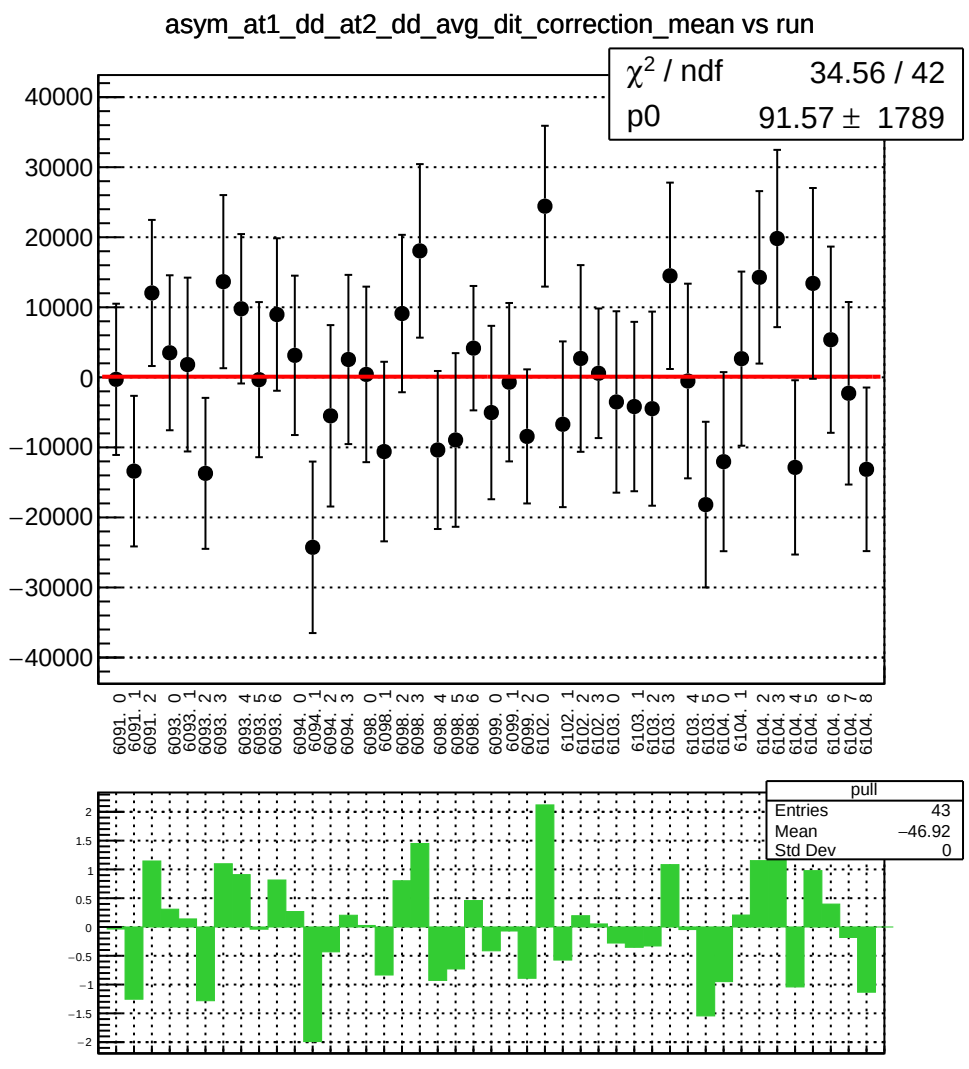

asym_at1_dd_at2_dd_avg_eigen_cor_correction_mean vs run
χ² / ndf 34.77 / 42
p0 82.04 ± 1772
40000
30000
20000
10000
0
−10000
−20000
−30000
−40000
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean −34.05
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 43
Mean 0.00115
Std Dev 0.8993
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

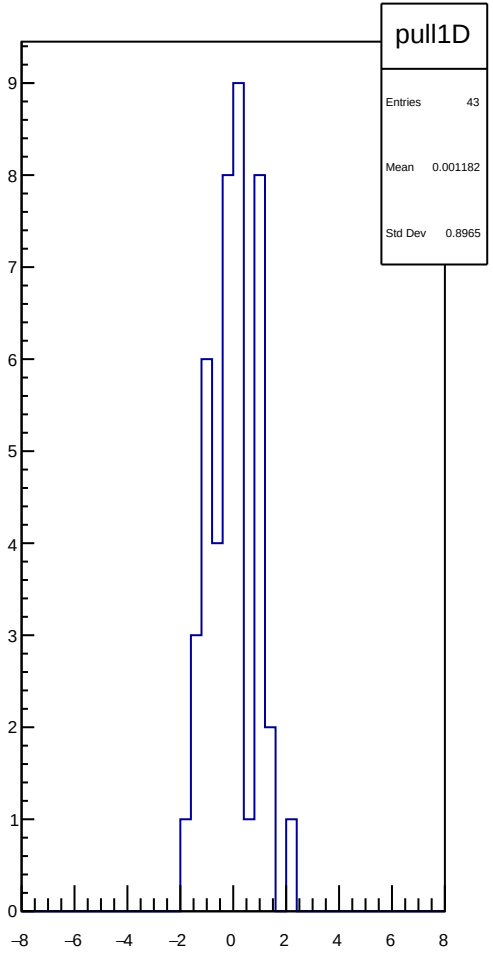

asym_at1_dd_at2_dd_avg_eigen_cor_correction_rms vs run
χ² / ndf 3391 / 42
p0 1138 ± 1.253
1300
1250
1200
1150
1100
1050
1000
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

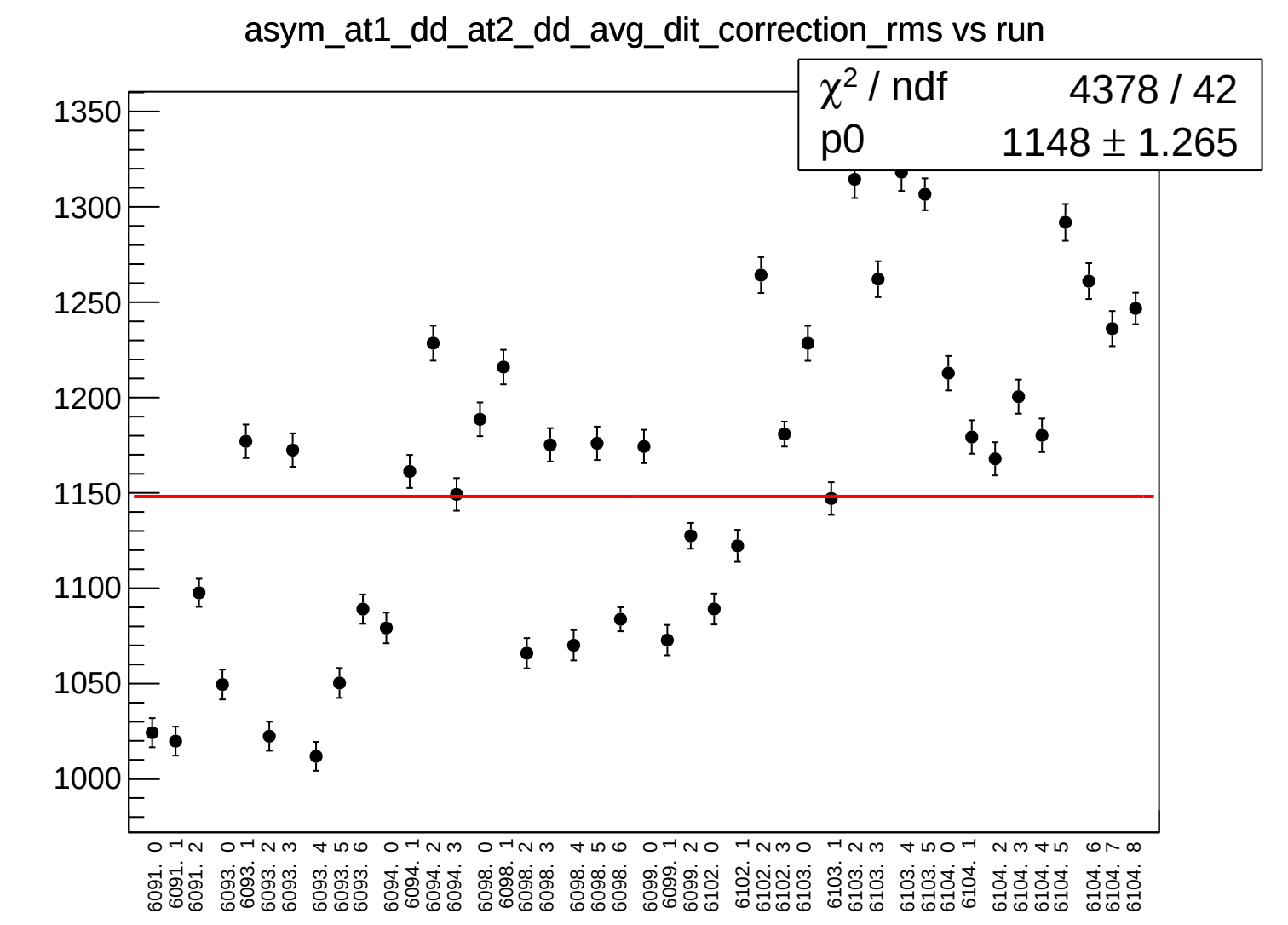

dit_asym_at1_dd_at2_dd_avg_mean vs run
χ² / ndf 36.92 / 42
p0 3081 ± 1881
40000
20000
0
−20000
−40000
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 1252
Std Dev 0
2
1
0
−1
−2


pull1D
Entries 43
Mean −0.001431
Std Dev 0.9266
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


dit_asym_at1_dd_at2_dd_avg_rms vs run
χ² / ndf 173 / 42
p0 1210 ± 1.33
1280
1260
1240
1220
1200
1180
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8


asym_at1_dd_at2_dd_avg_dit_correction_mean vs run
χ² / ndf 34.56 / 42
p0 91.57 ± 1789
40000
30000
20000
10000
0
−10000
−20000
−30000
−40000
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean −46.92
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2


pull1D
Entries 43
Mean 0.001182
Std Dev 0.8965
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


asym_at1_dd_at2_dd_avg_dit_correction_rms vs run
χ² / ndf 4378 / 42
p0 1148 ± 1.265
1350
1300
1250
1200
1150
1100
1050
1000
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
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6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
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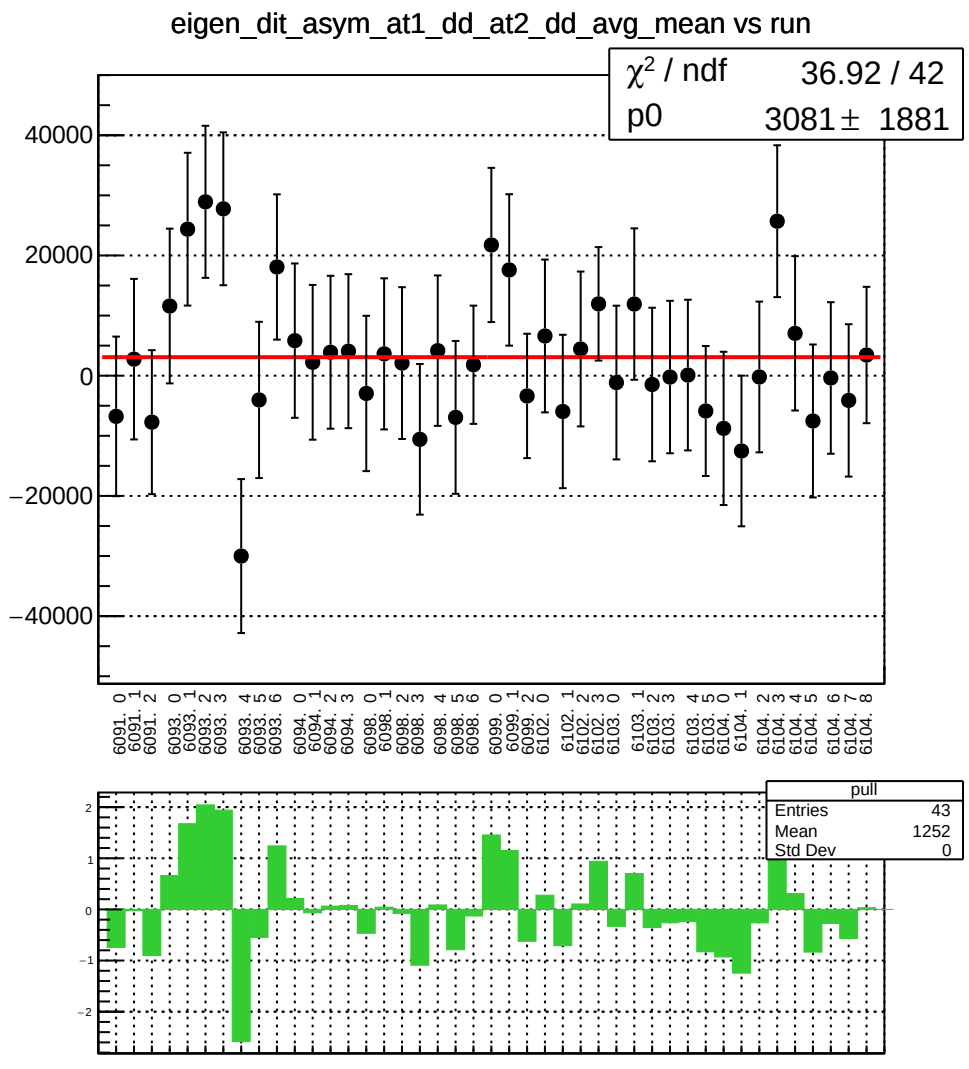
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8


eigen_dit_asym_at1_dd_at2_dd_avg_mean vs run
χ² / ndf 36.92 / 42
p0 3081 ± 1881
40000
20000
0
−20000
−40000
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
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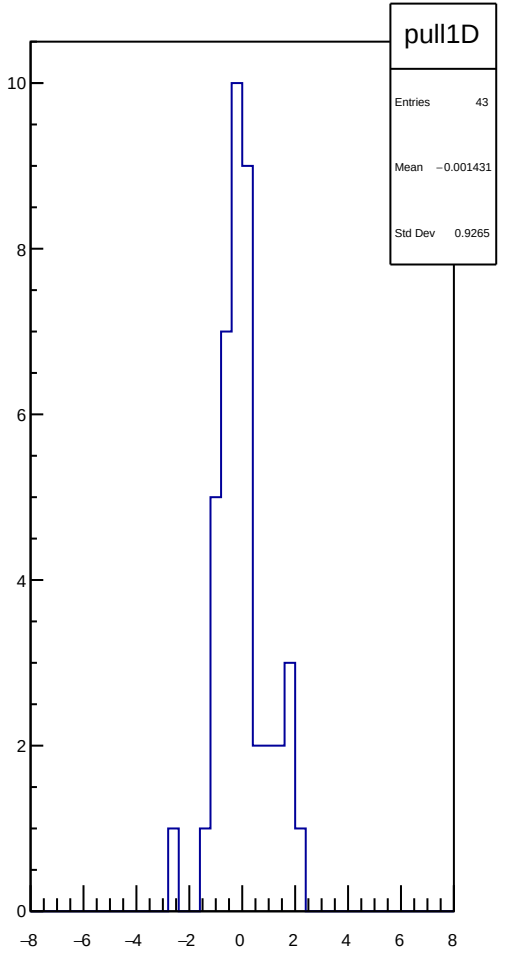
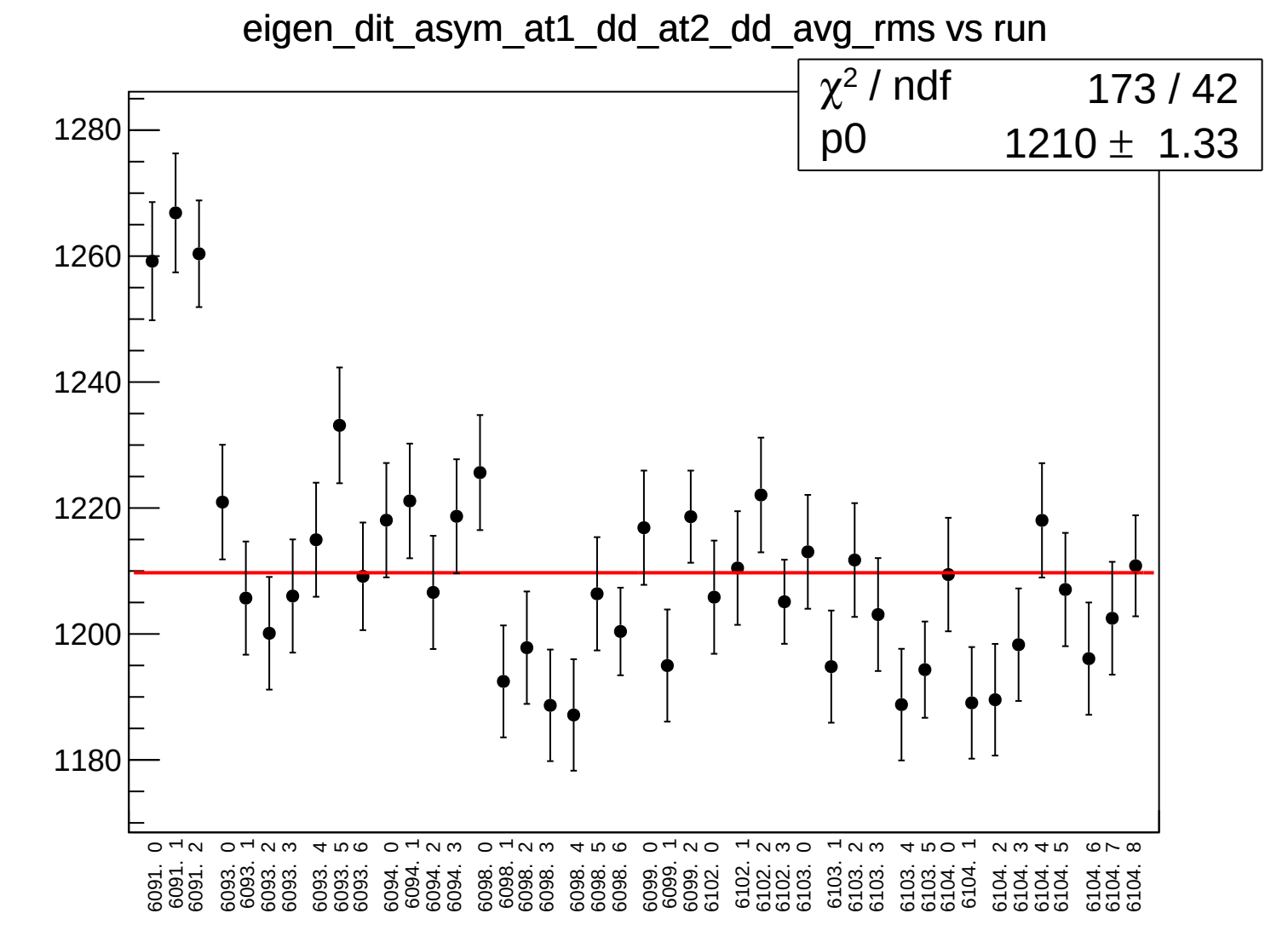
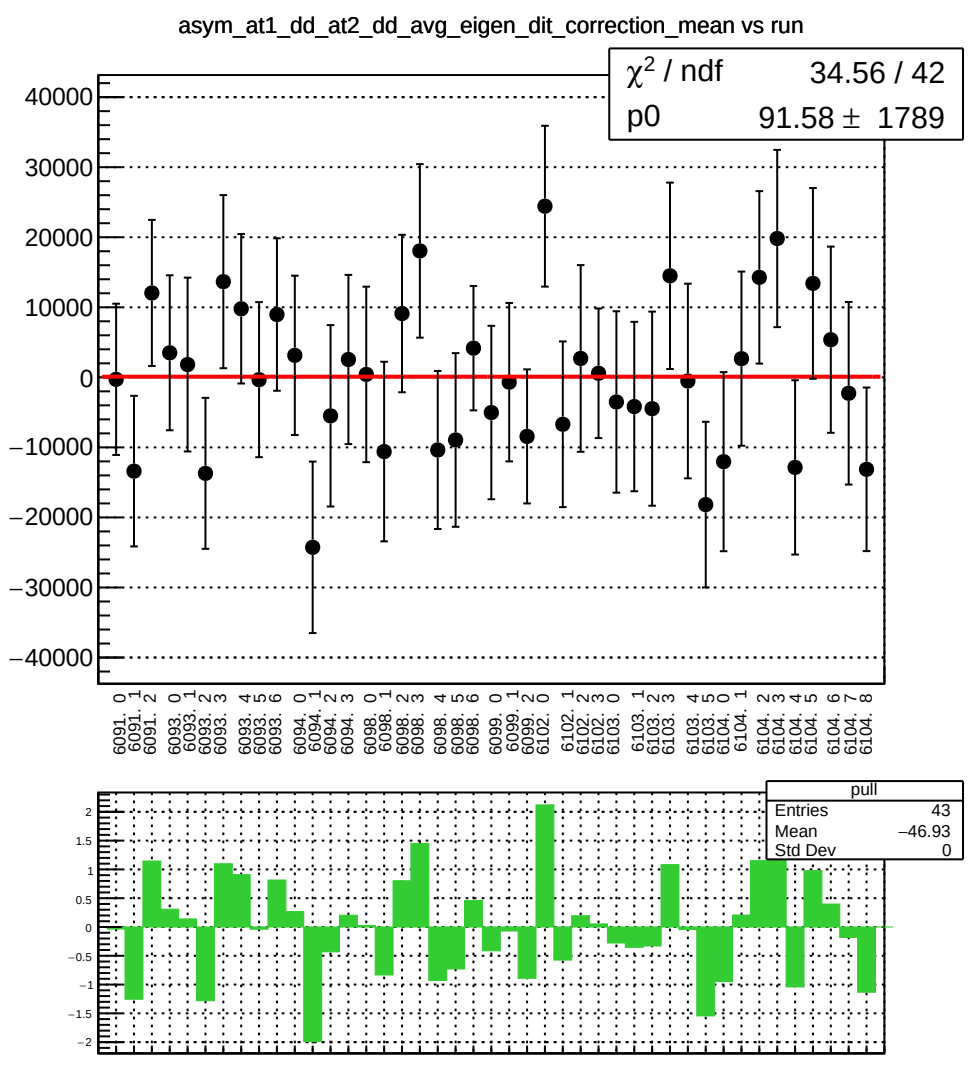
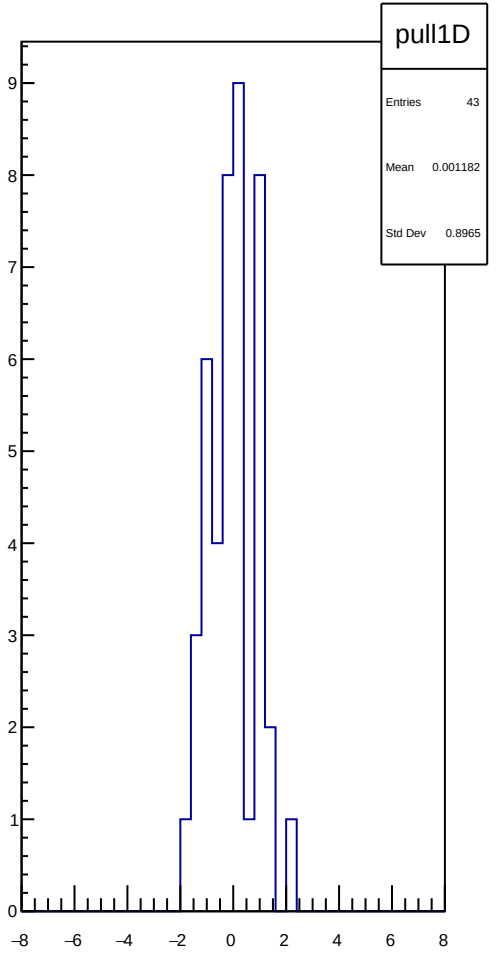
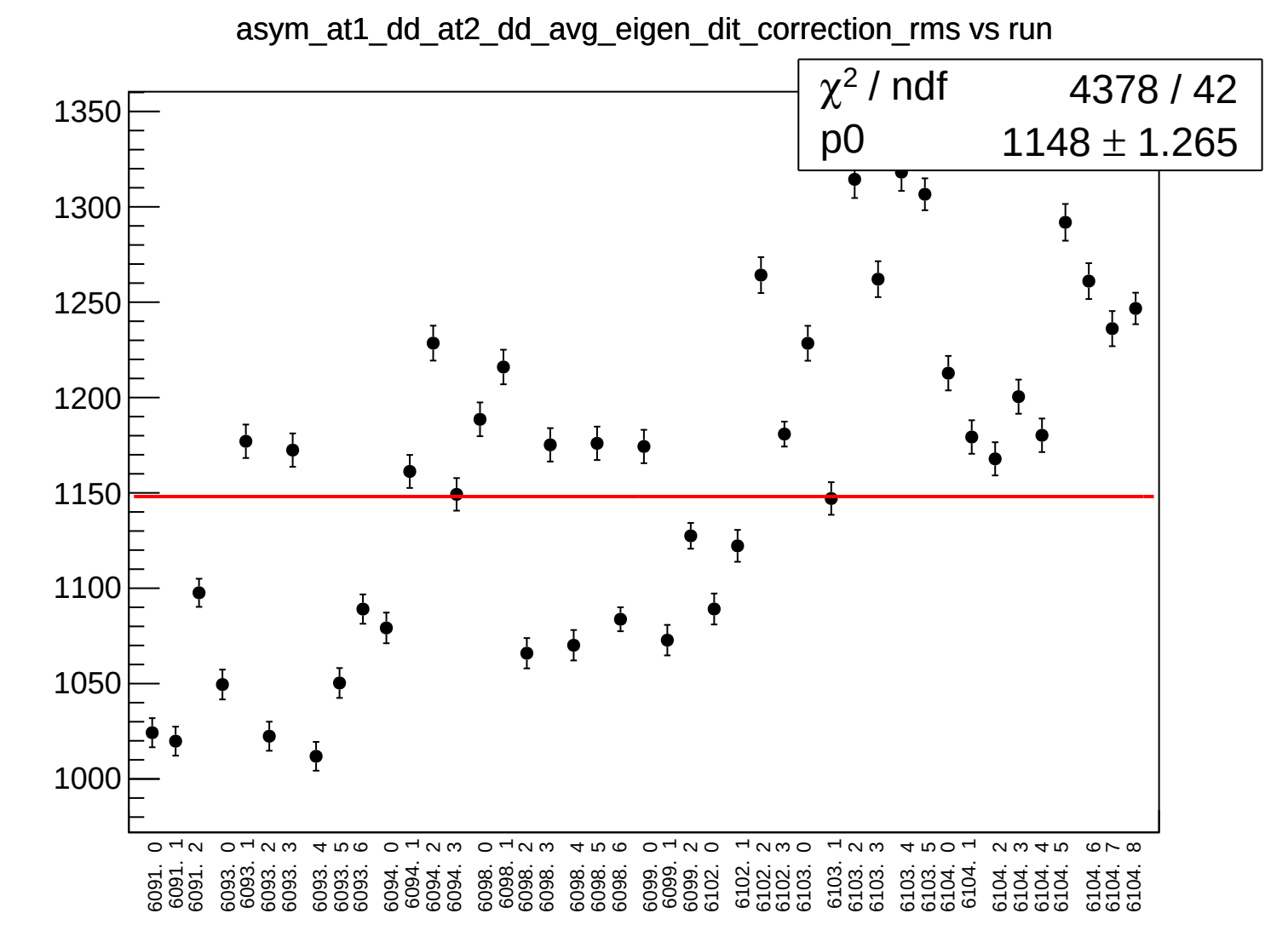
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 1252
Std Dev 0
2
1
0
−1
−2

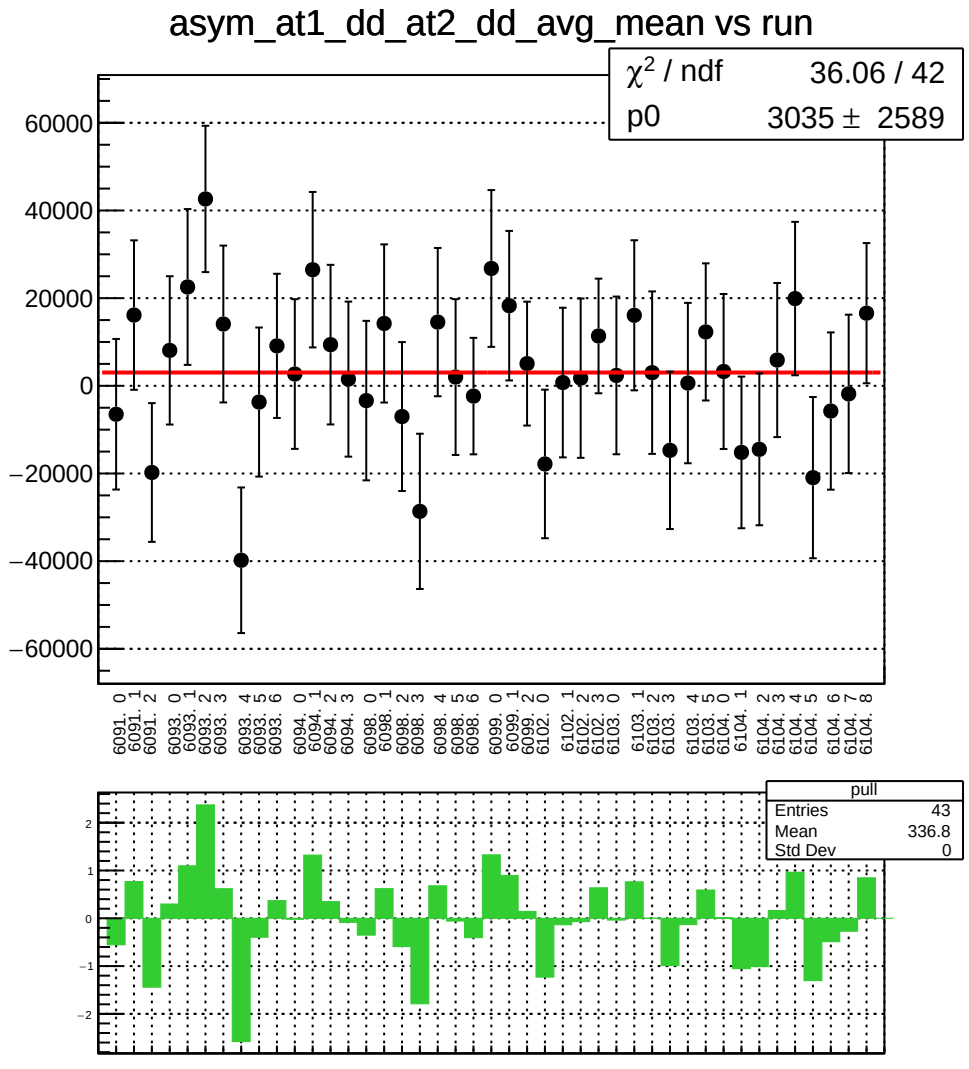

pull1D
Entries 43
Mean −0.001431
Std Dev 0.9265
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

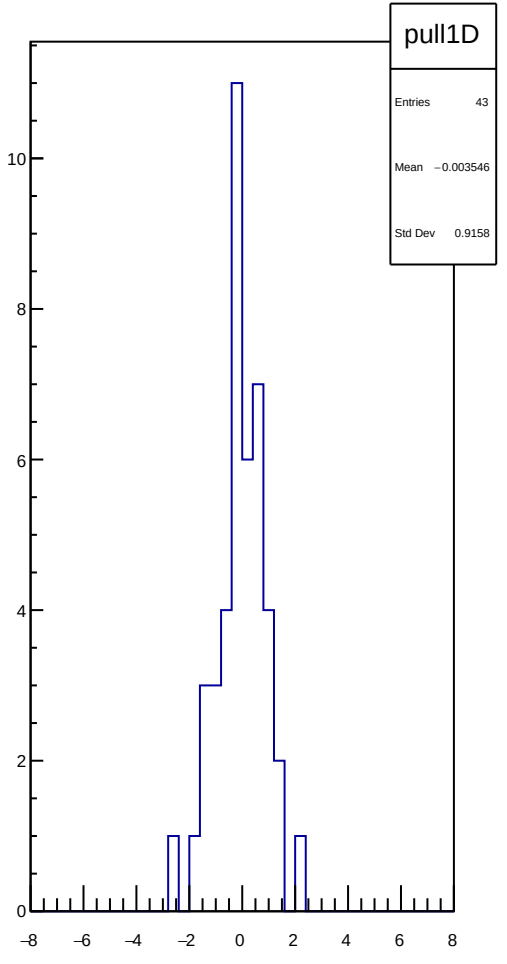

eigen_dit_asym_at1_dd_at2_dd_avg_rms vs run
χ² / ndf 173 / 42
p0 1210 ± 1.33
1280
1260
1240
1220
1200
1180
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

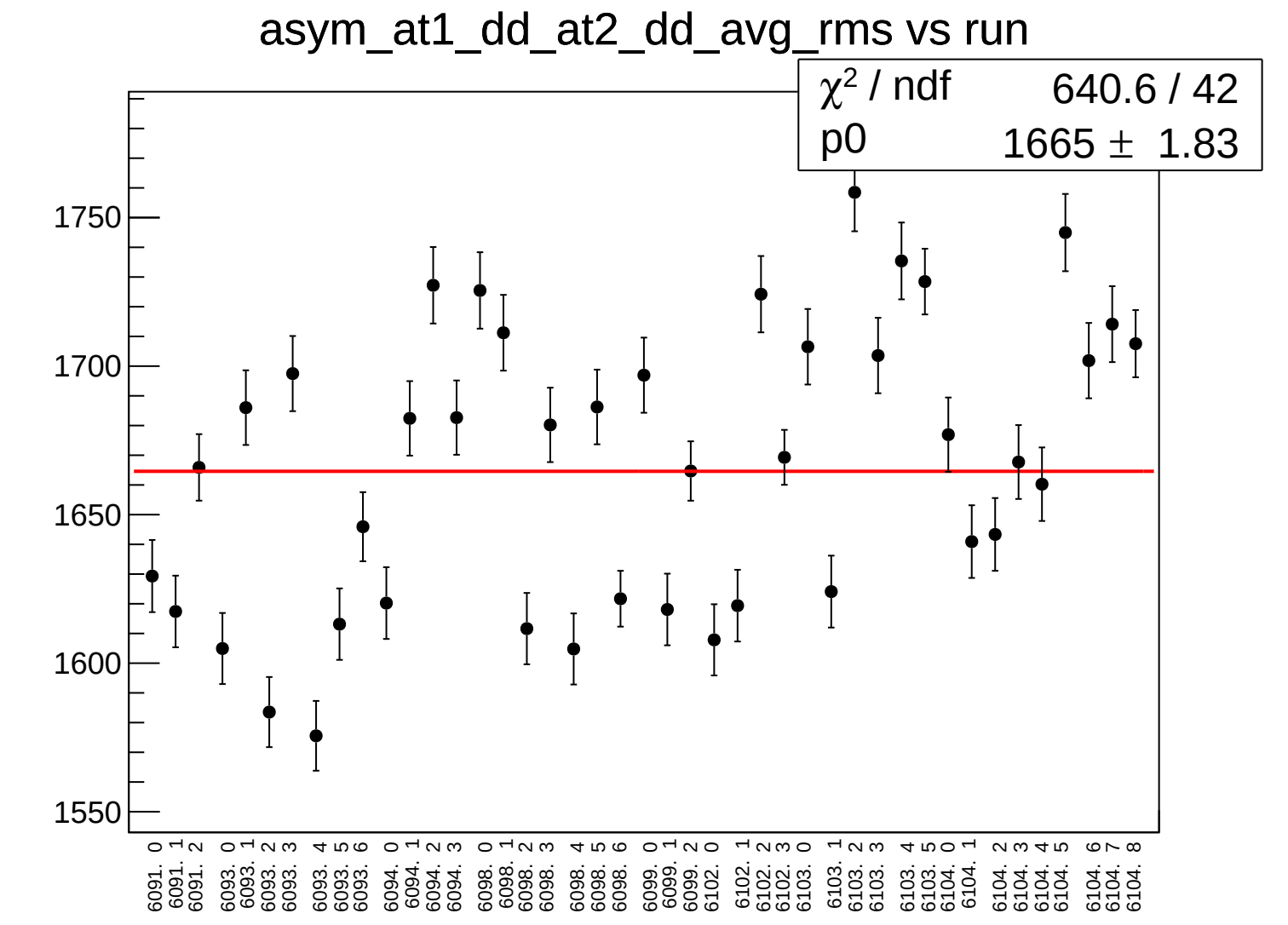

asym_at1_dd_at2_dd_avg_eigen_dit_correction_mean vs run
χ² / ndf 34.56 / 42
p0 91.58 ± 1789
40000
30000
20000
10000
0
−10000
−20000
−30000
−40000
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean −46.93
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

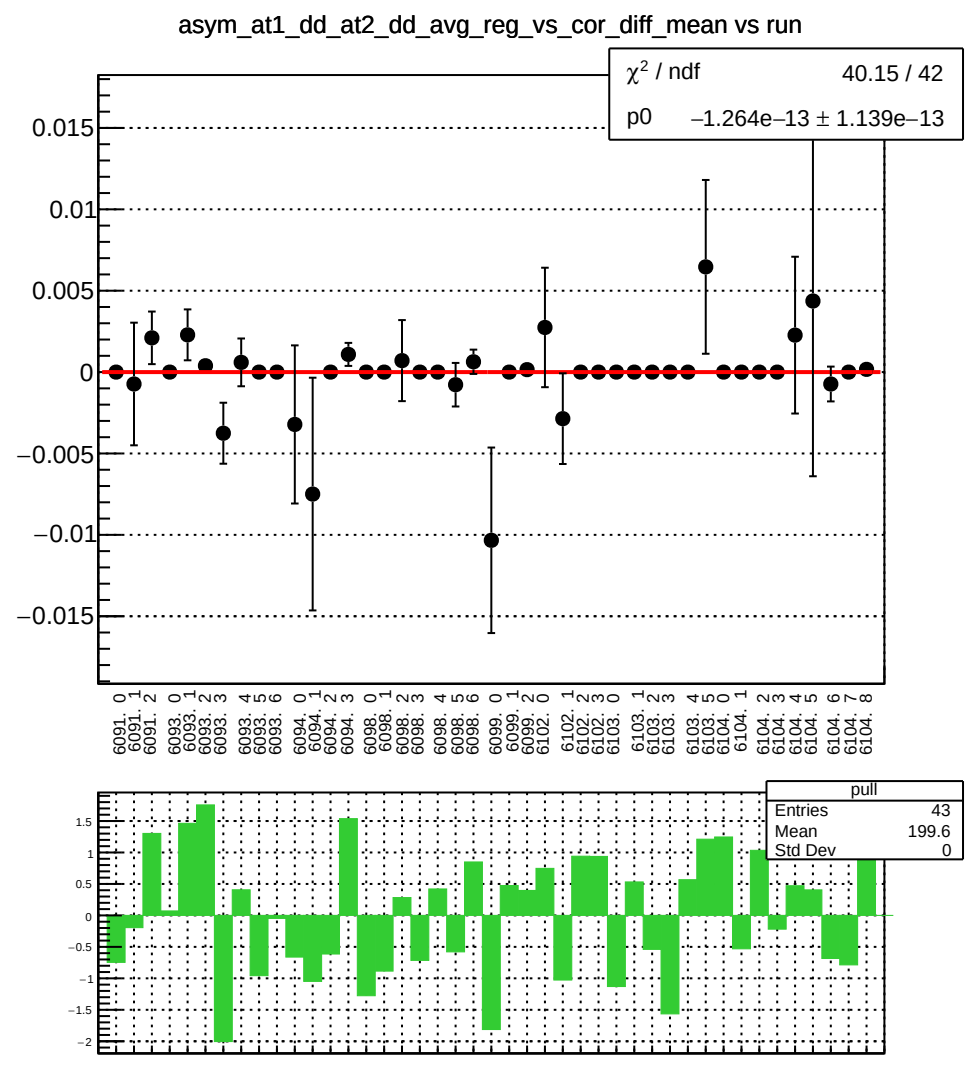

pull1D
Entries 43
Mean 0.001182
Std Dev 0.8965
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

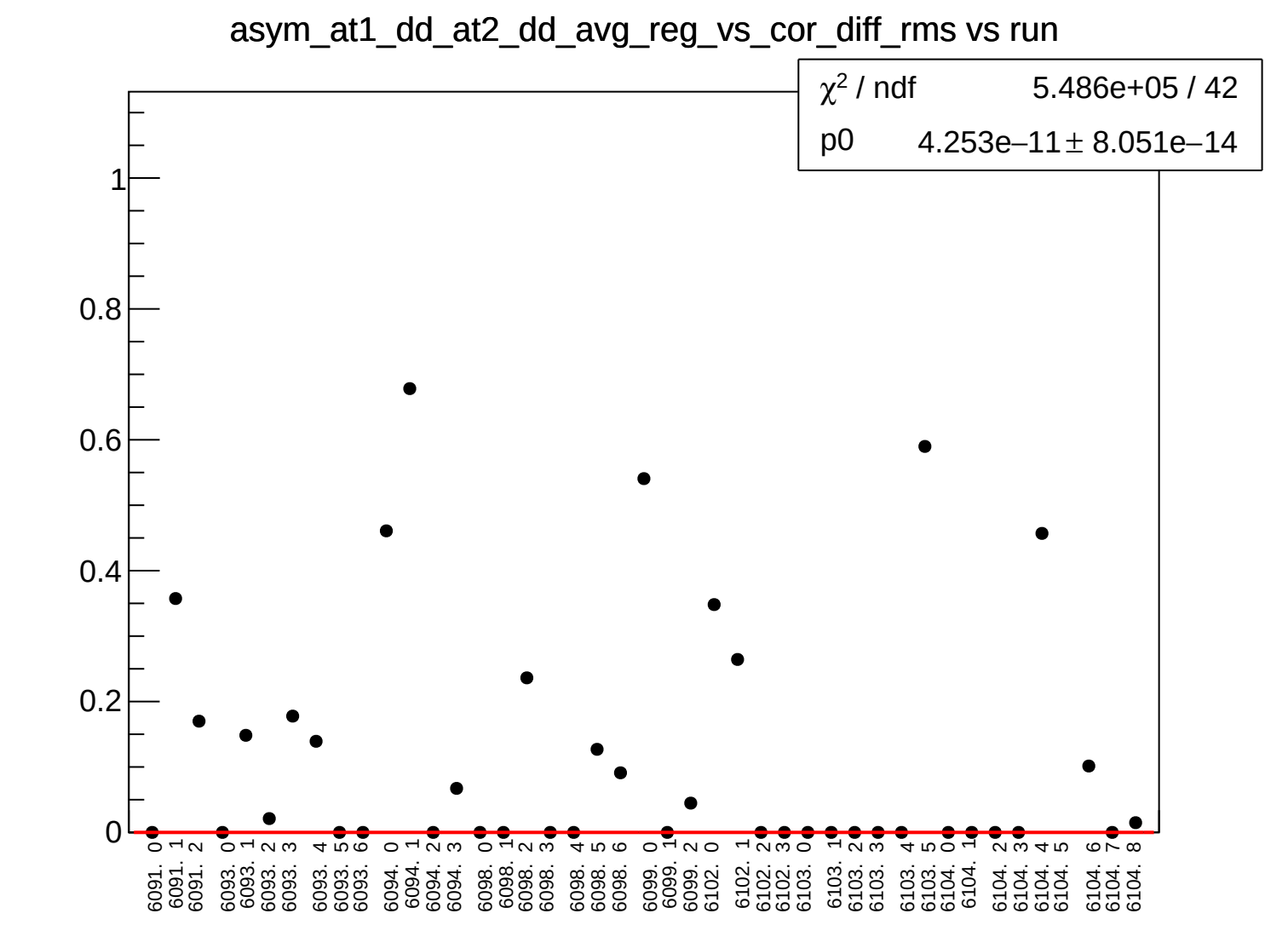

asym_at1_dd_at2_dd_avg_eigen_dit_correction_rms vs run
χ² / ndf 4378 / 42
p0 1148 ± 1.265
1350
1300
1250
1200
1150
1100
1050
1000
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

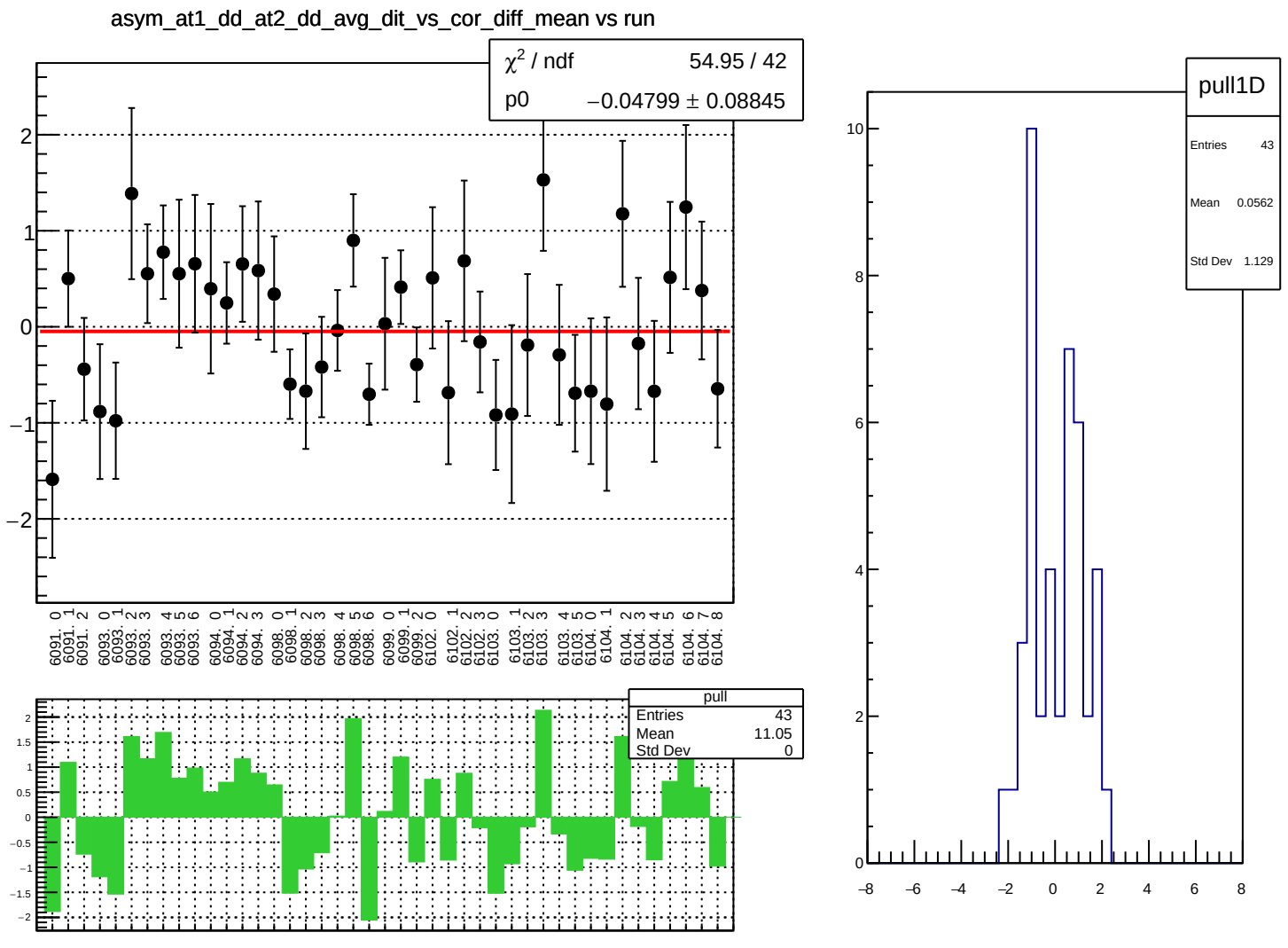

asym_at1_dd_at2_dd_avg_mean vs run
χ² / ndf 36.06 / 42
p0 3035 ± 2589
60000
40000
20000
0
−20000
−40000
−60000
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 336.8
Std Dev 0
2
1
0
−1
−2

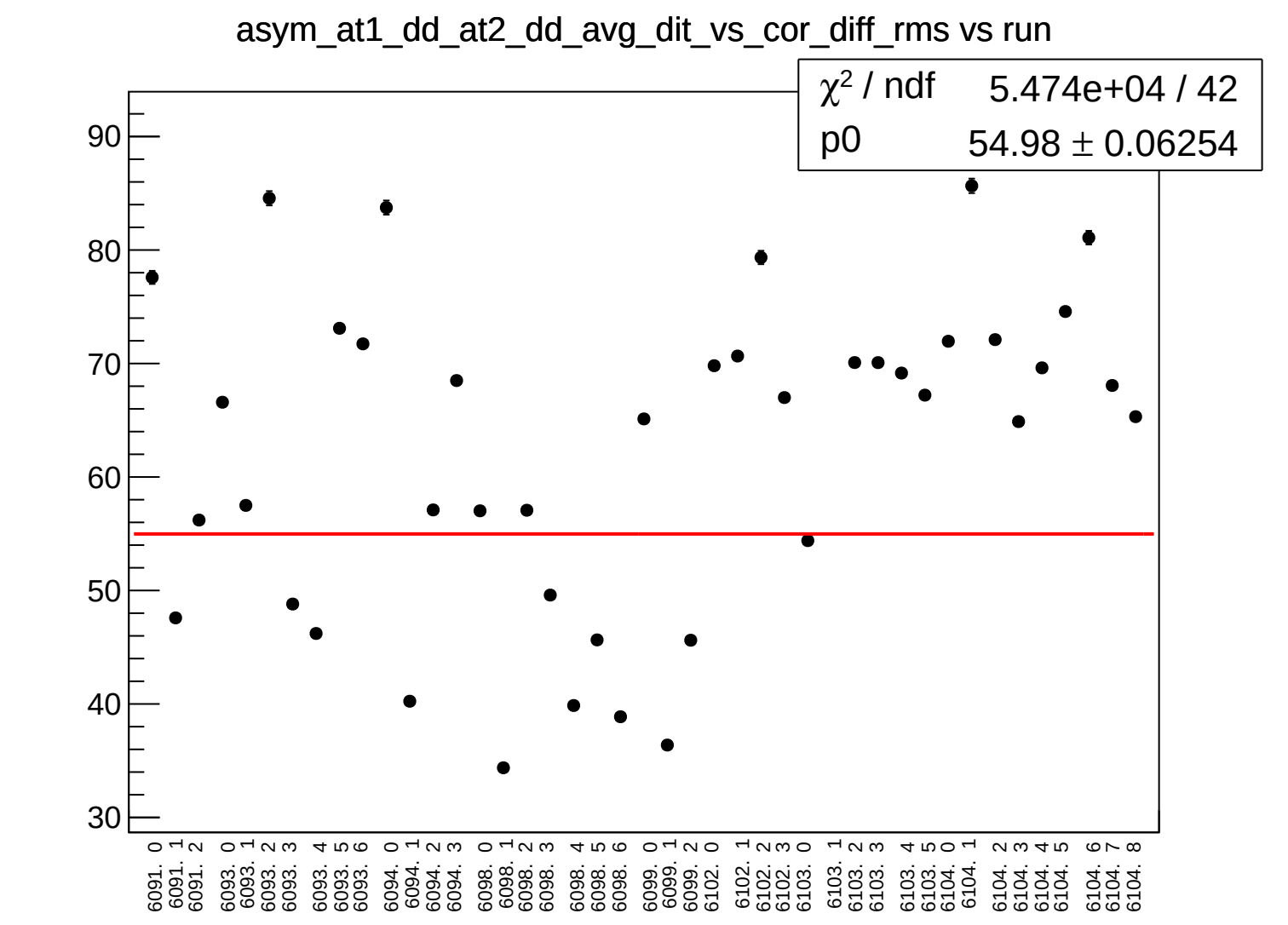

pull1D
Entries 43
Mean −0.003546
Std Dev 0.9158
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

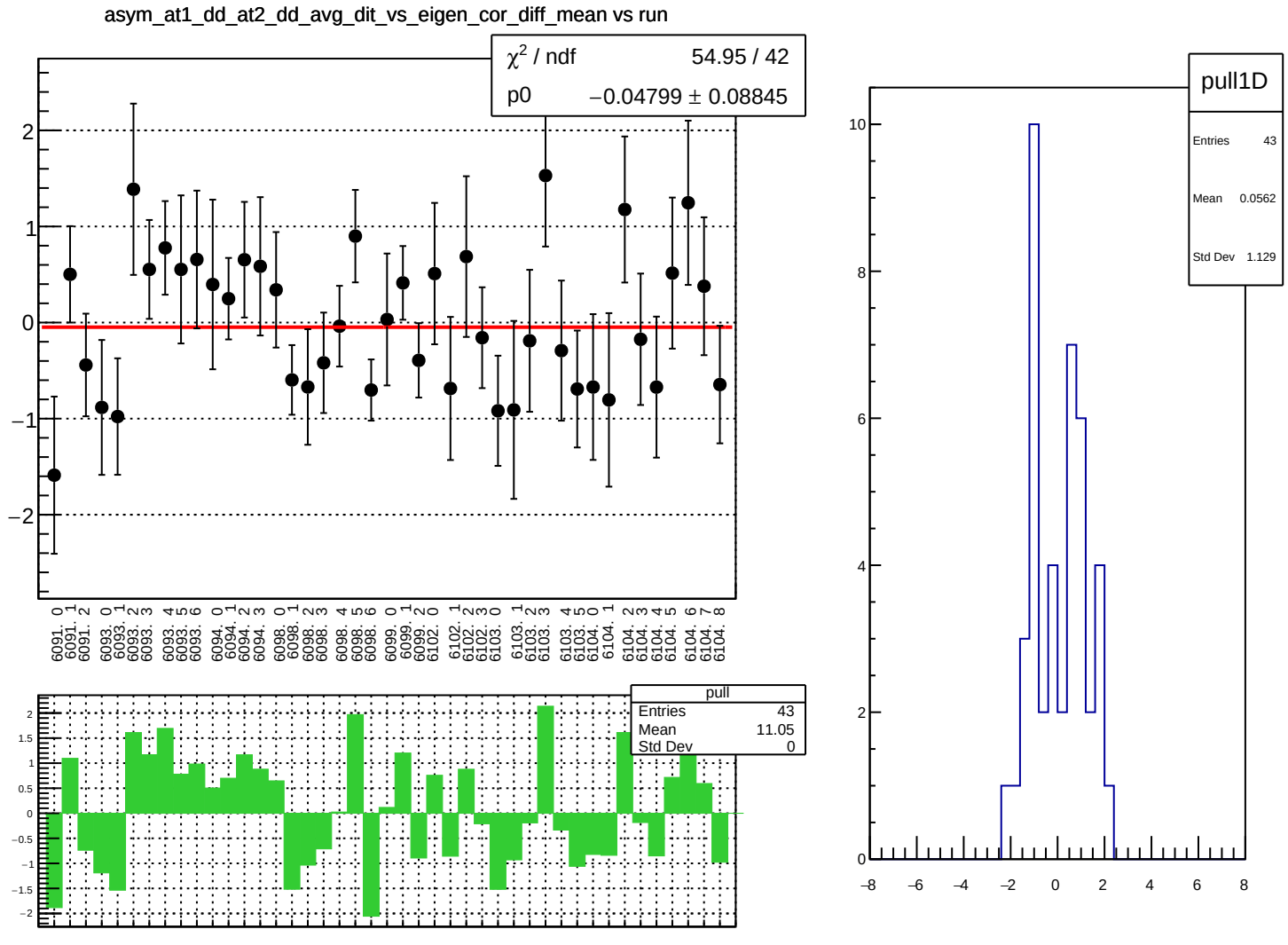

asym_at1_dd_at2_dd_avg_rms vs run
χ² / ndf 640.6 / 42
p0 1665 ± 1.83
1750
1700
1650
1600
1550
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

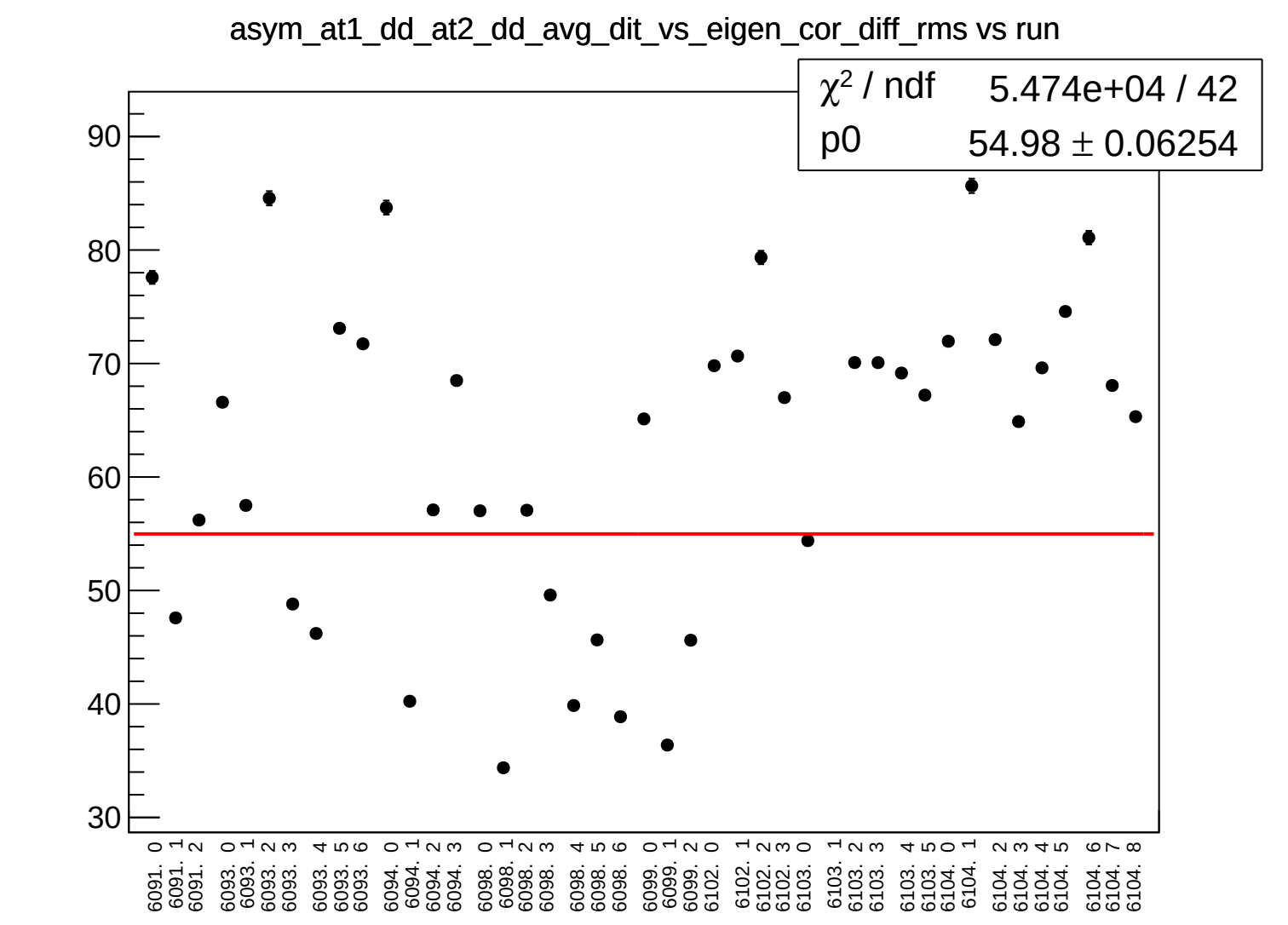

asym_at1_dd_at2_dd_avg_reg_vs_cor_diff_mean vs run
χ² / ndf 40.15 / 42
p0 −1.264e−13 ± 1.139e−13
0.015
0.01
0.005
0
−0.005
−0.01
−0.015
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 199.6
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 43
Mean 0.005587
Std Dev 0.9663
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

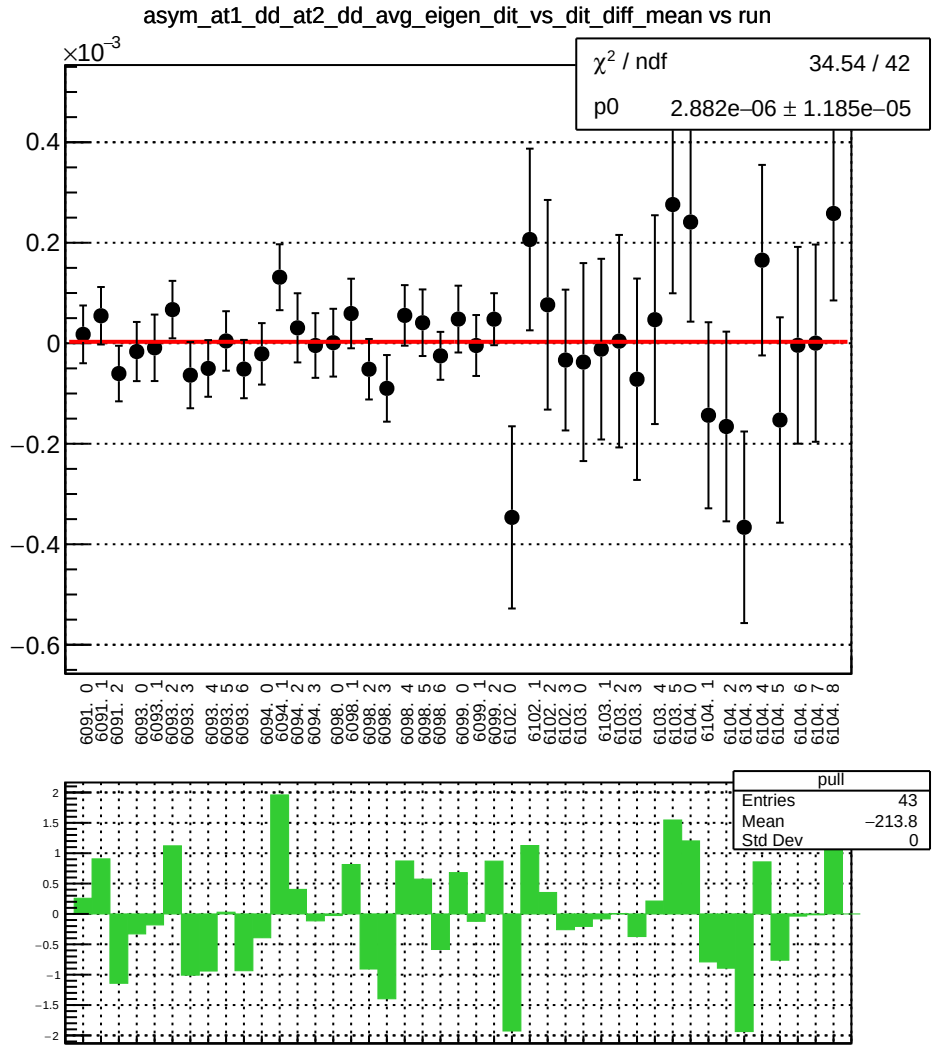

asym_at1_dd_at2_dd_avg_reg_vs_cor_diff_rms vs run
χ² / ndf 5.486e+05 / 42
p0 4.253e−11 ± 8.051e−14
1
0.8
0.6
0.4
0.2
0
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

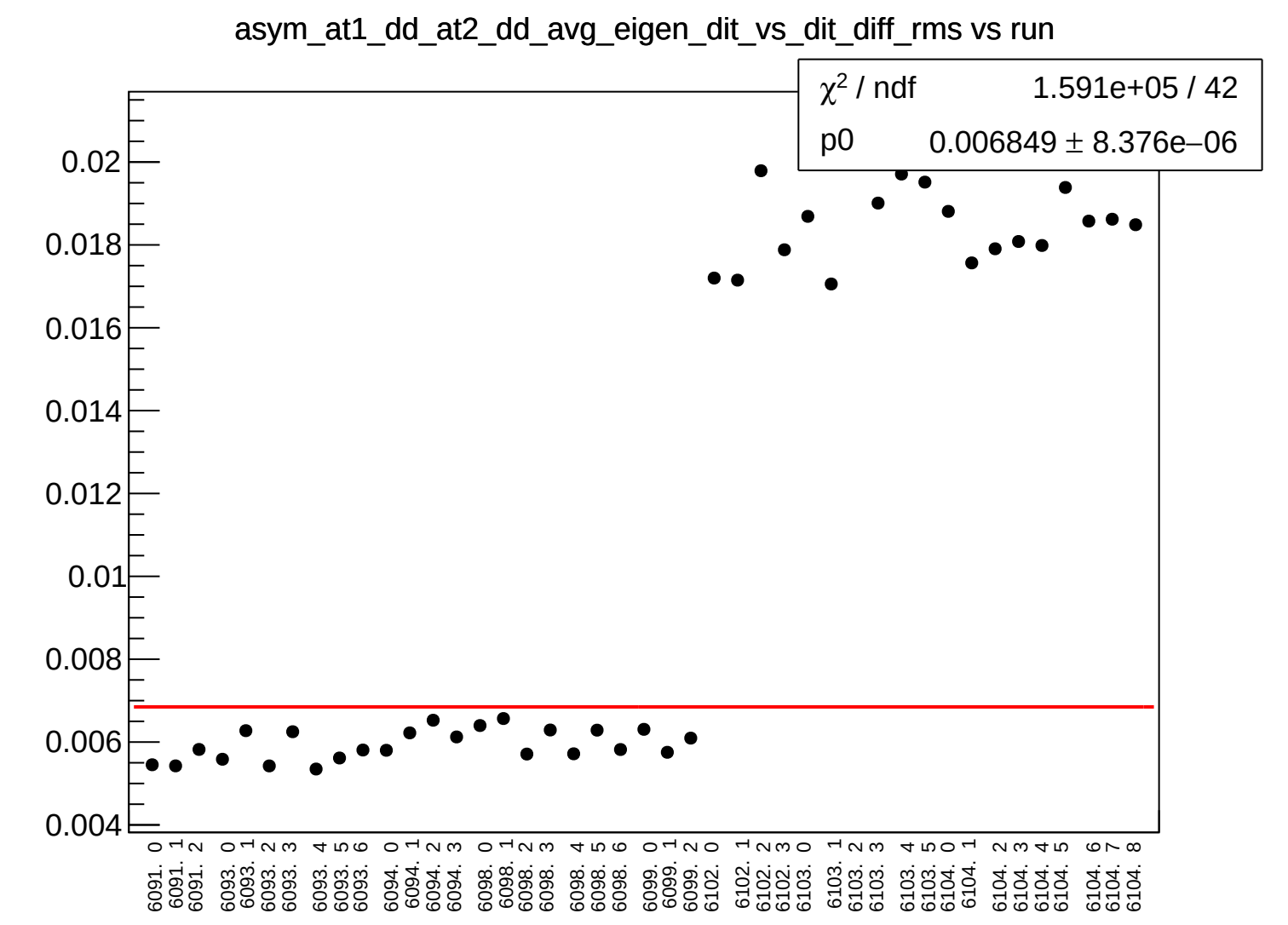

asym_at1_dd_at2_dd_avg_dit_vs_cor_diff_mean vs run
χ² / ndf 54.95 / 42
p0 −0.04799 ± 0.08845
pull
Entries 43
Mean 11.05
Std Dev 0
pull1D
Entries 43
Mean 0.0562
Std Dev 1.129

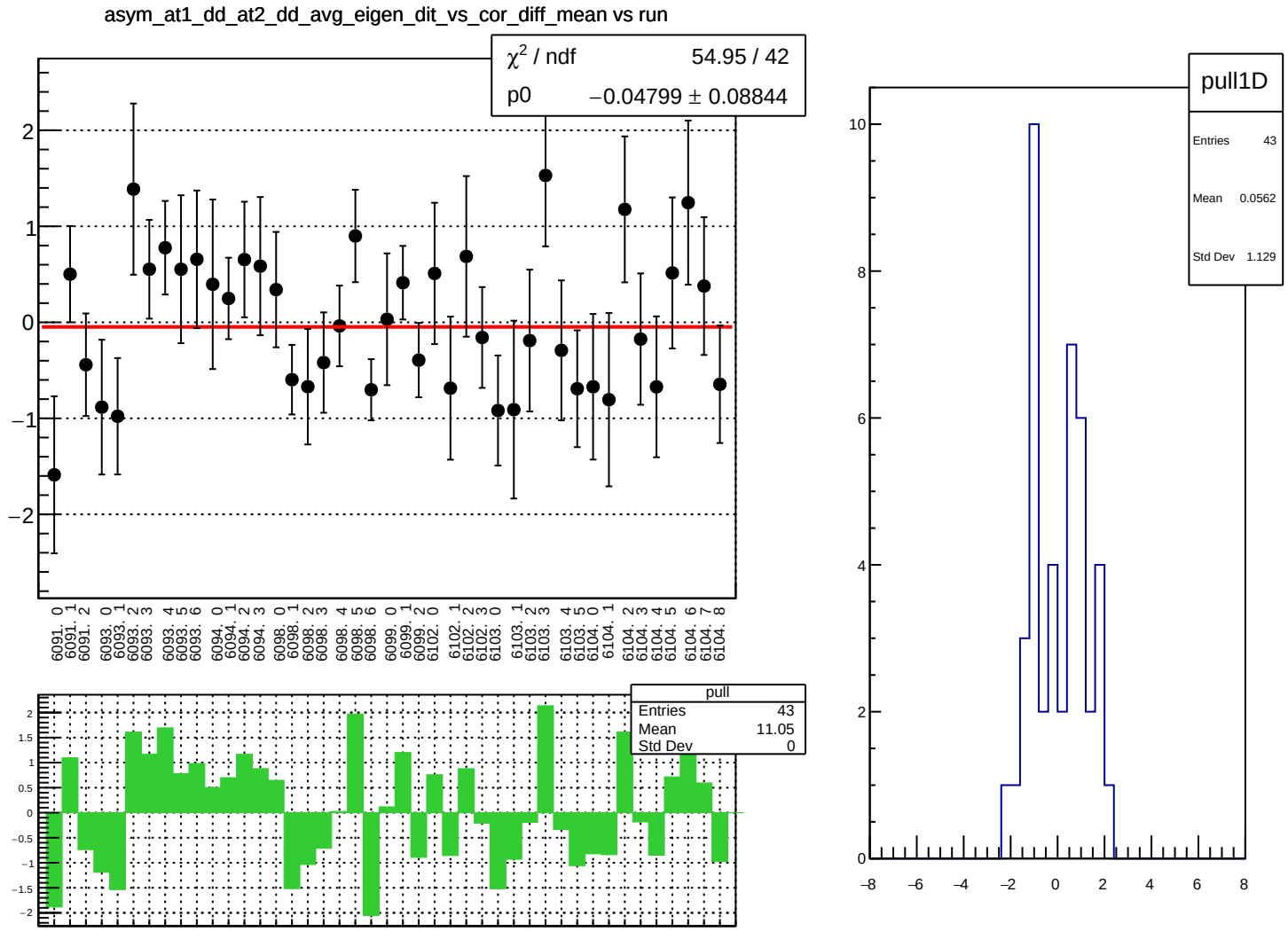

asym_at1_dd_at2_dd_avg_dit_vs_cor_diff_rms vs run
χ² / ndf 5.474e+04 / 42
p0 54.98 ± 0.06254
90
80
70
60
50
40
30
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

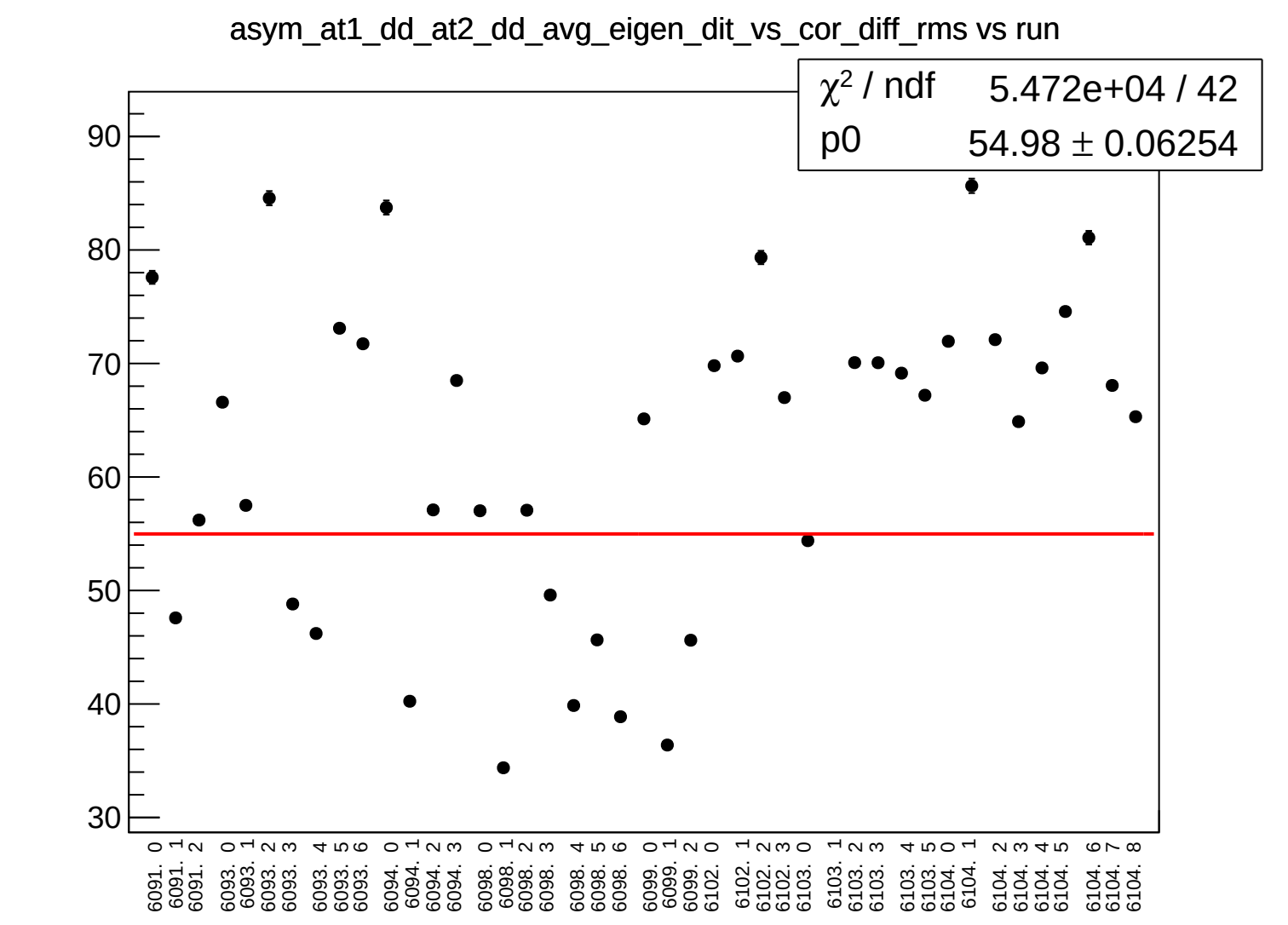

asym_at1_dd_at2_dd_avg_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 54.95 / 42
p0 −0.04799 ± 0.08845
pull
Entries 43
Mean 11.05
Std Dev 0
pull1D
Entries 43
Mean 0.0562
Std Dev 1.129


asym_at1_dd_at2_dd_avg_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 5.474e+04 / 42
p0 54.98 ± 0.06254
90
80
70
60
50
40
30
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8


asym_at1_dd_at2_dd_avg_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 34.54 / 42
p0 2.882e−06 ± 1.185e−05
0.4
0.2
0
−0.2
−0.4
−0.6
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean −213.8
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 43
Mean −0.001911
Std Dev 0.8962
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


asym_at1_dd_at2_dd_avg_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 1.591e+05 / 42
p0 0.006849 ± 8.376e−06
0.02
0.018
0.016
0.014
0.012
0.01
0.008
0.006
0.004
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8


asym_at1_dd_at2_dd_avg_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 54.95 / 42
p0 −0.04799 ± 0.08844
pull
Entries 43
Mean 11.05
Std Dev 0
pull1D
Entries 43
Mean 0.0562
Std Dev 1.129


asym_at1_dd_at2_dd_avg_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 5.472e+04 / 42
p0 54.98 ± 0.06254
90
80
70
60
50
40
30
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
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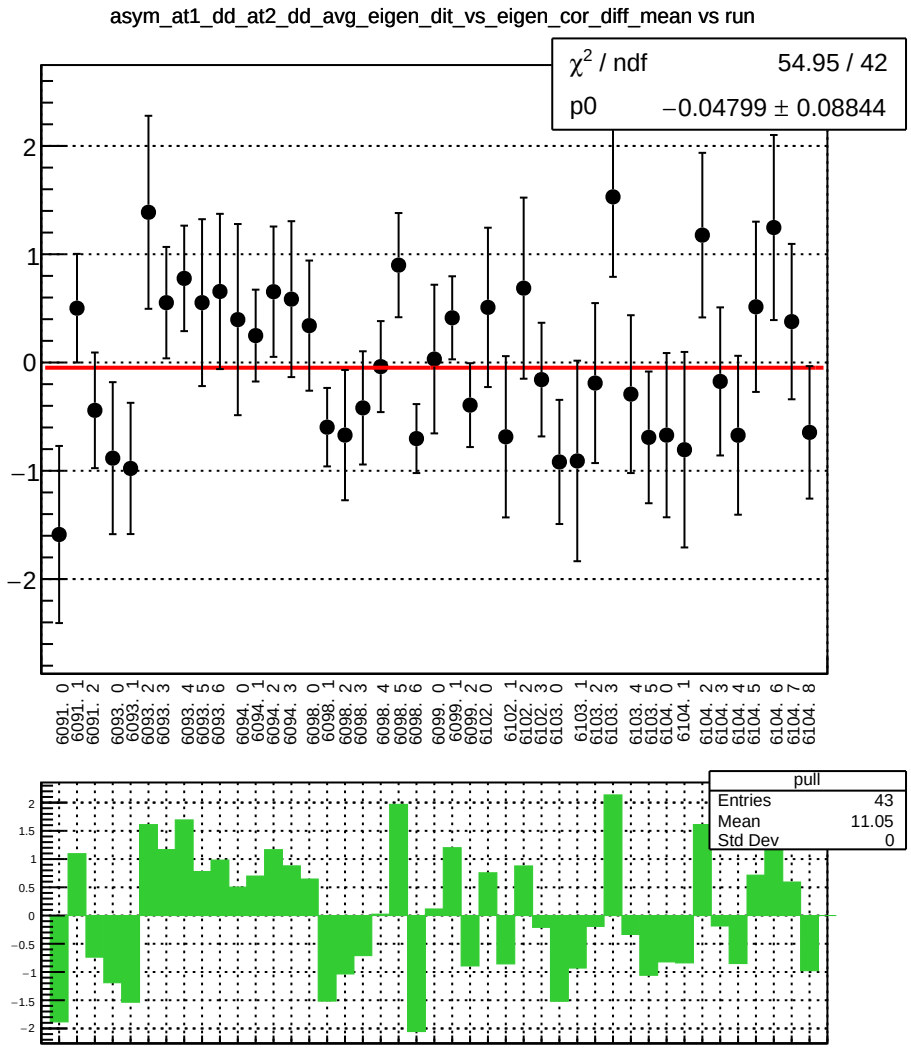
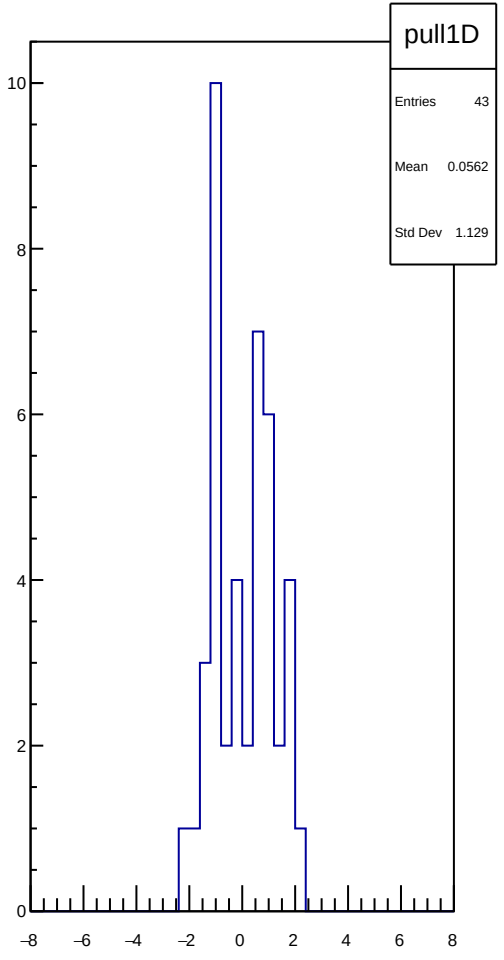
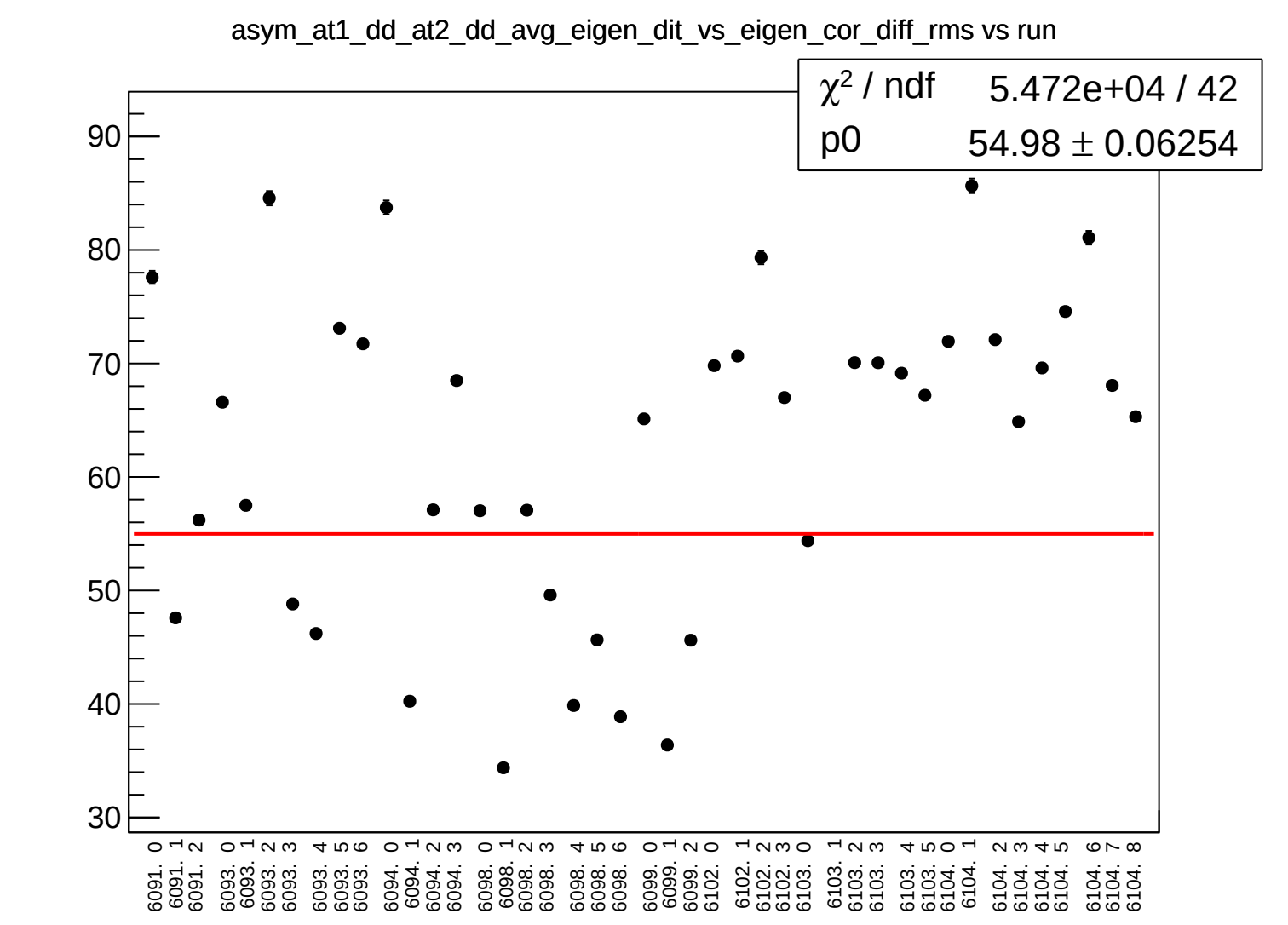
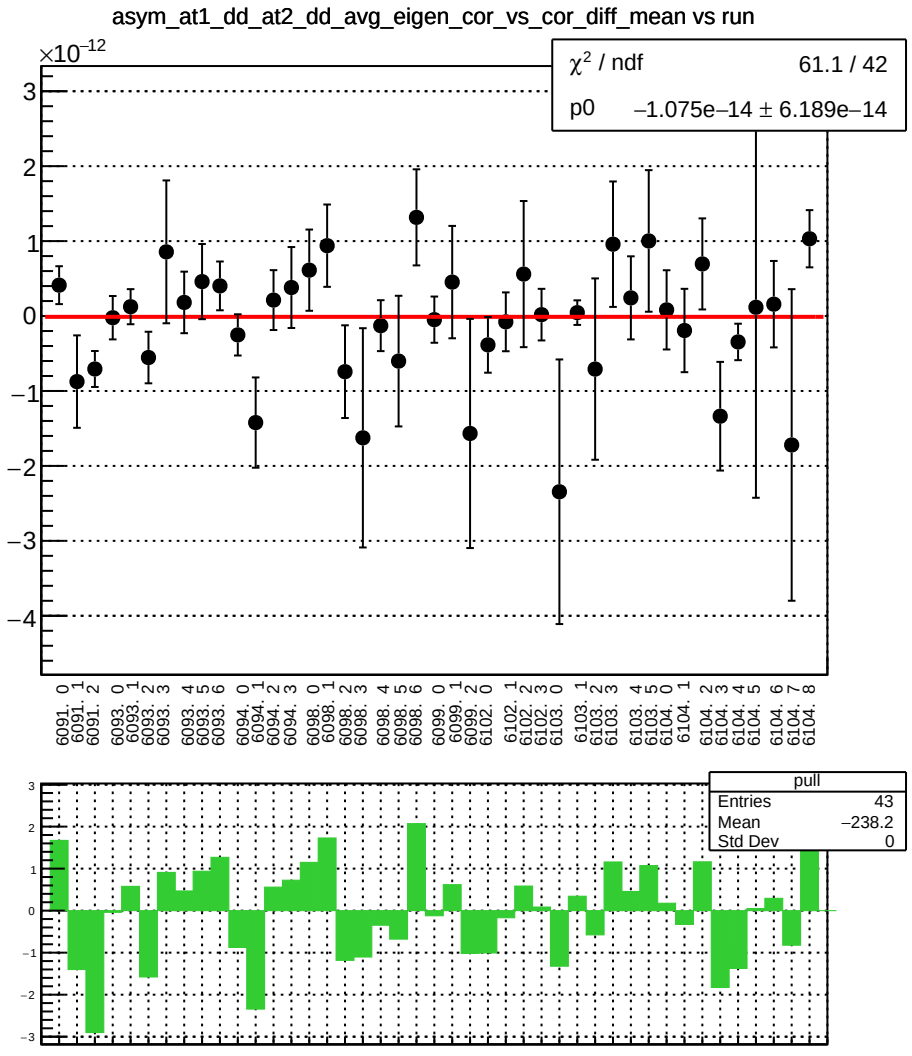
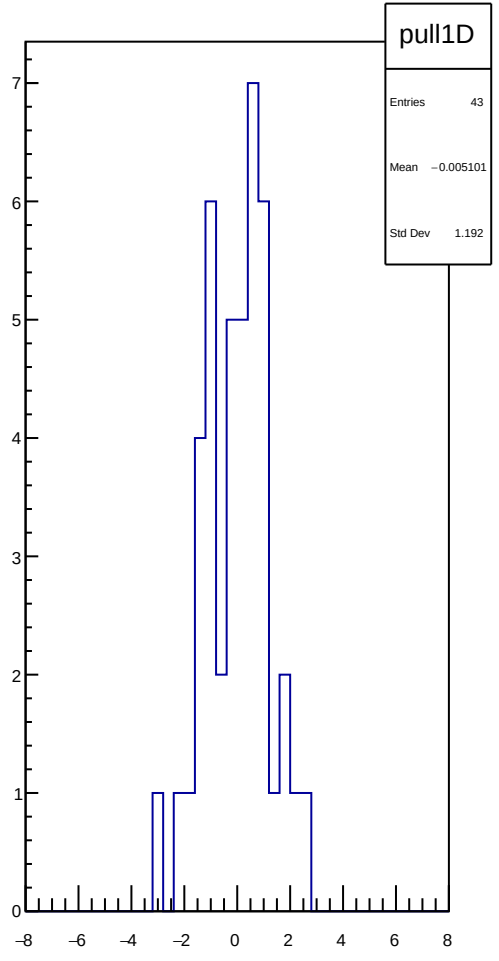
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

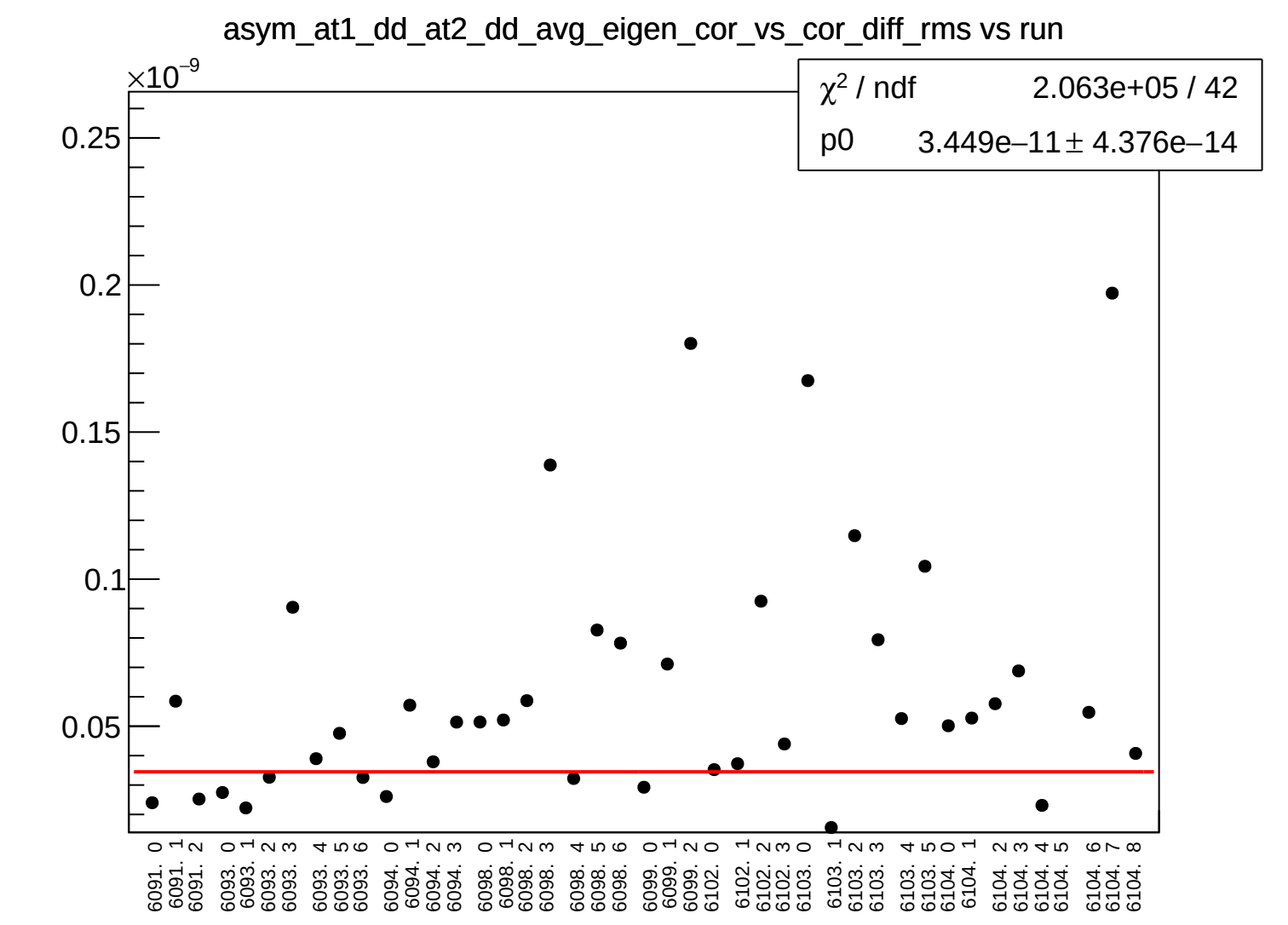

asym_at1_dd_at2_dd_avg_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 54.95 / 42
p0 −0.04799 ± 0.08844
pull
Entries 43
Mean 11.05
Std Dev 0

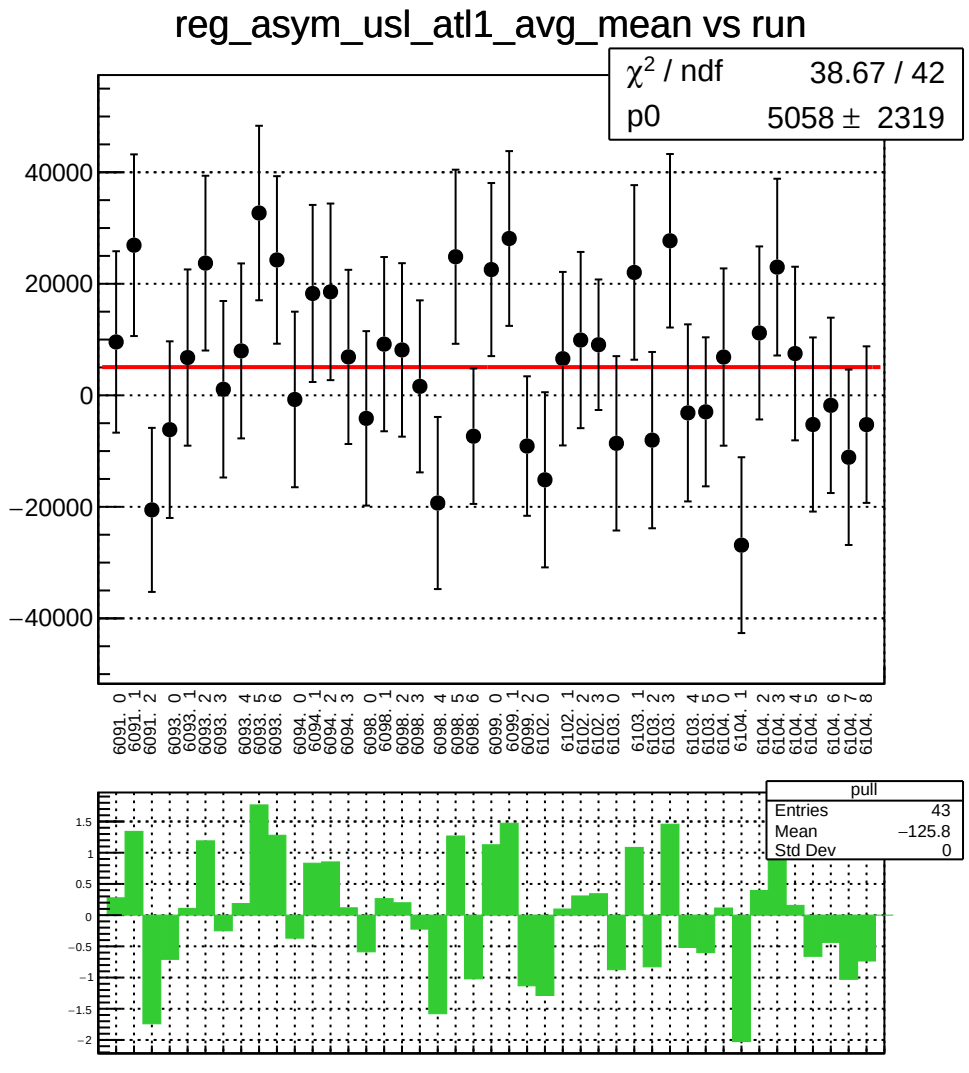

pull1D
Entries 43
Mean 0.0562
Std Dev 1.129

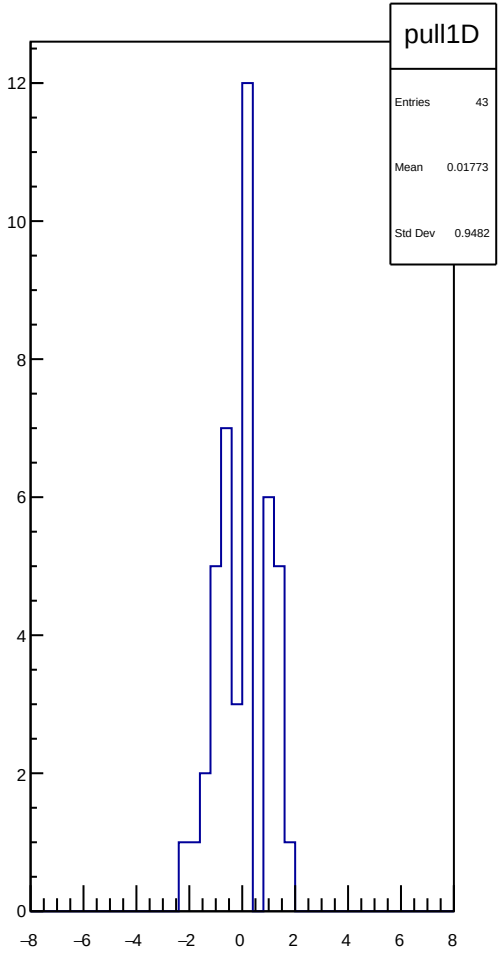

asym_at1_dd_at2_dd_avg_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 5.472e+04 / 42
p0 54.98 ± 0.06254
90
80
70
60
50
40
30
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

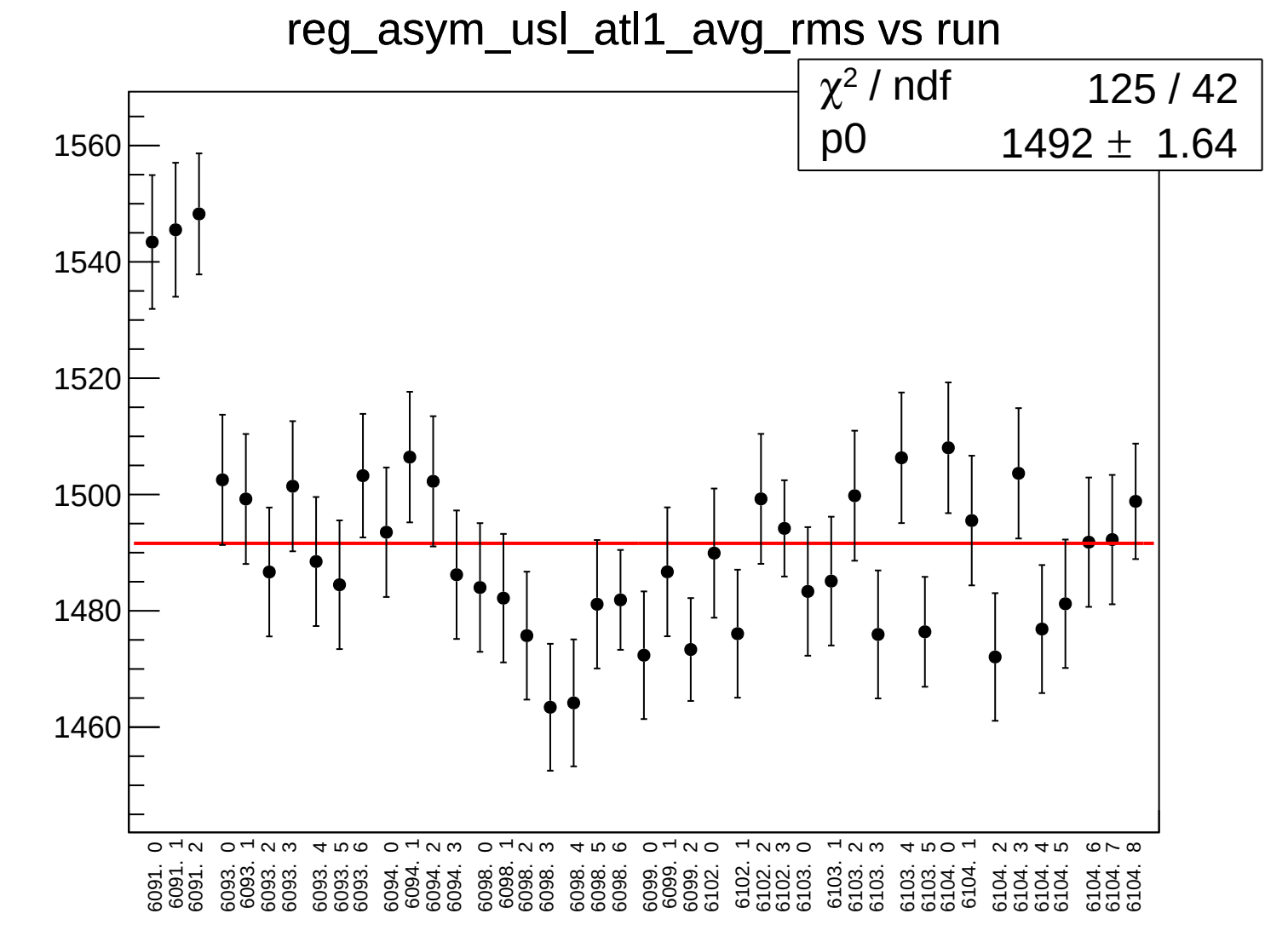

asym_at1_dd_at2_dd_avg_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 61.1 / 42
p0 −1.075e−14 ± 6.189e−14
pull
Entries 43
Mean −238.2
Std Dev 0

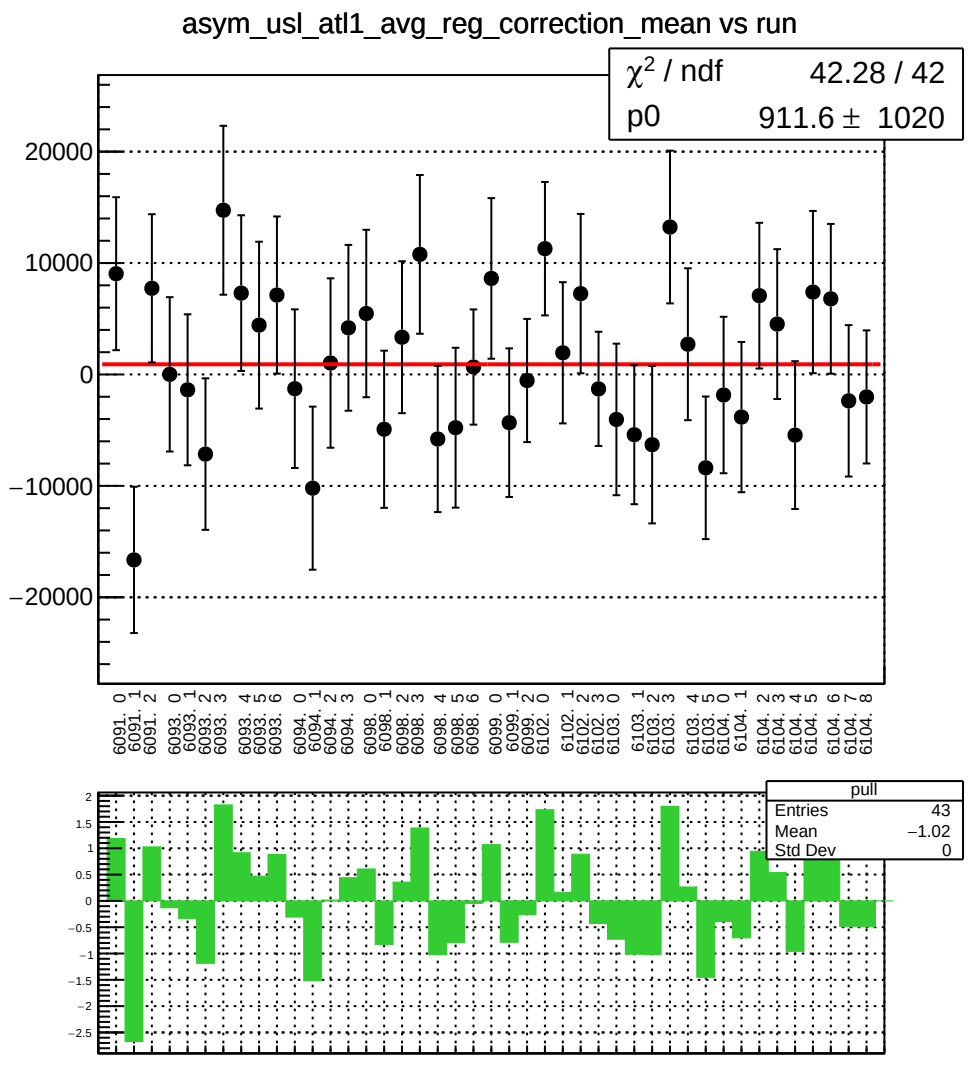

pull1D
Entries 43
Mean −0.005101
Std Dev 1.192

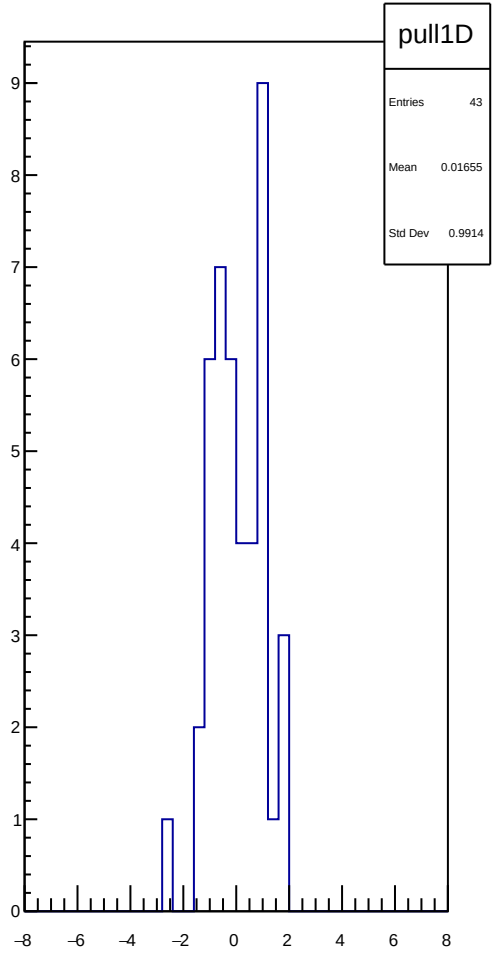

asym_at1_dd_at2_dd_avg_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 2.063e+05 / 42
p0 3.449e−11 ± 4.376e−14
0.25
0.2
0.15
0.1
0.05
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

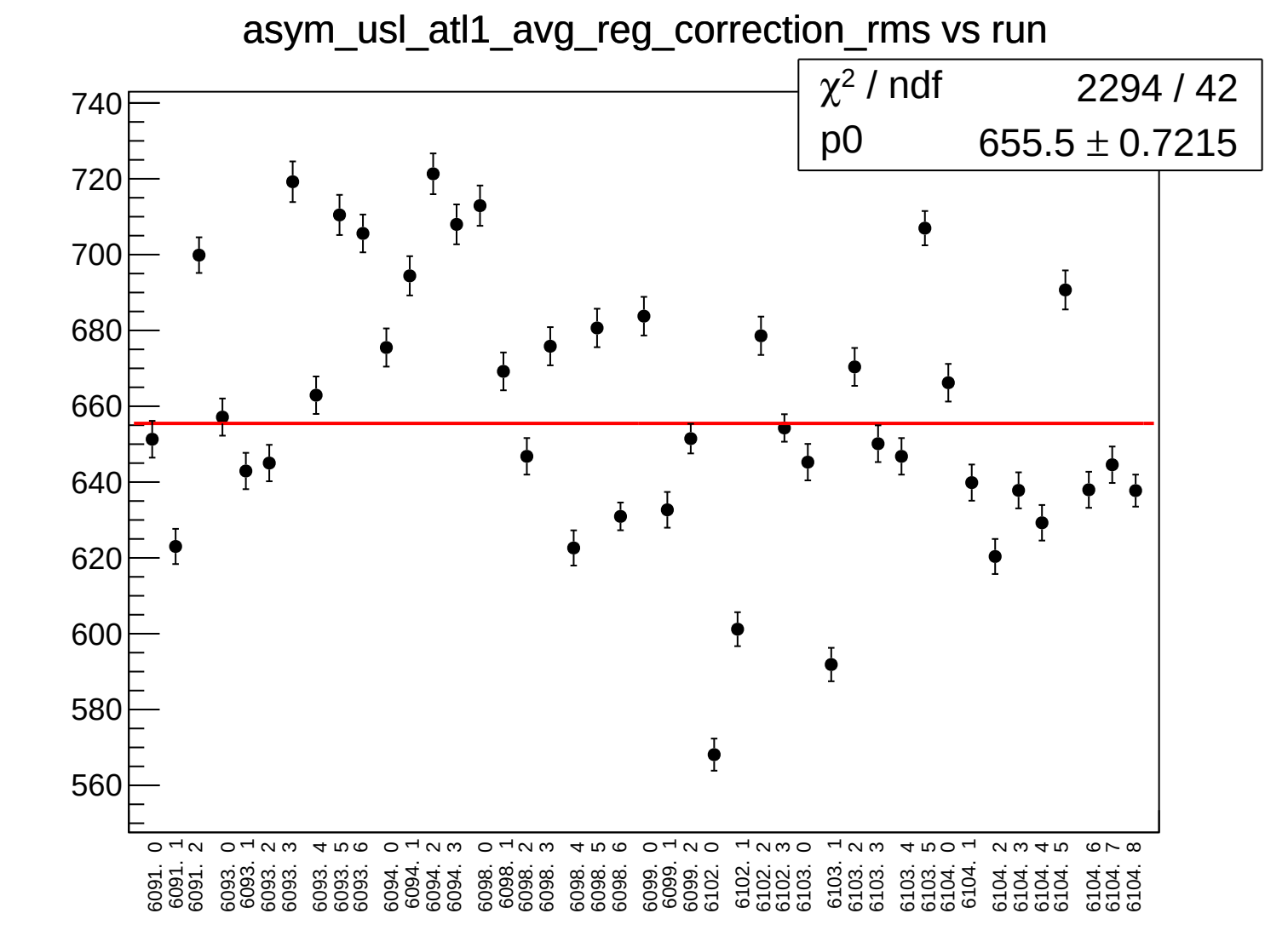

reg_asym_usl_atl1_avg_mean vs run
χ² / ndf 38.67 / 42
p0 5058 ± 2319
40000
20000
0
−20000
−40000
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean −125.8
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2

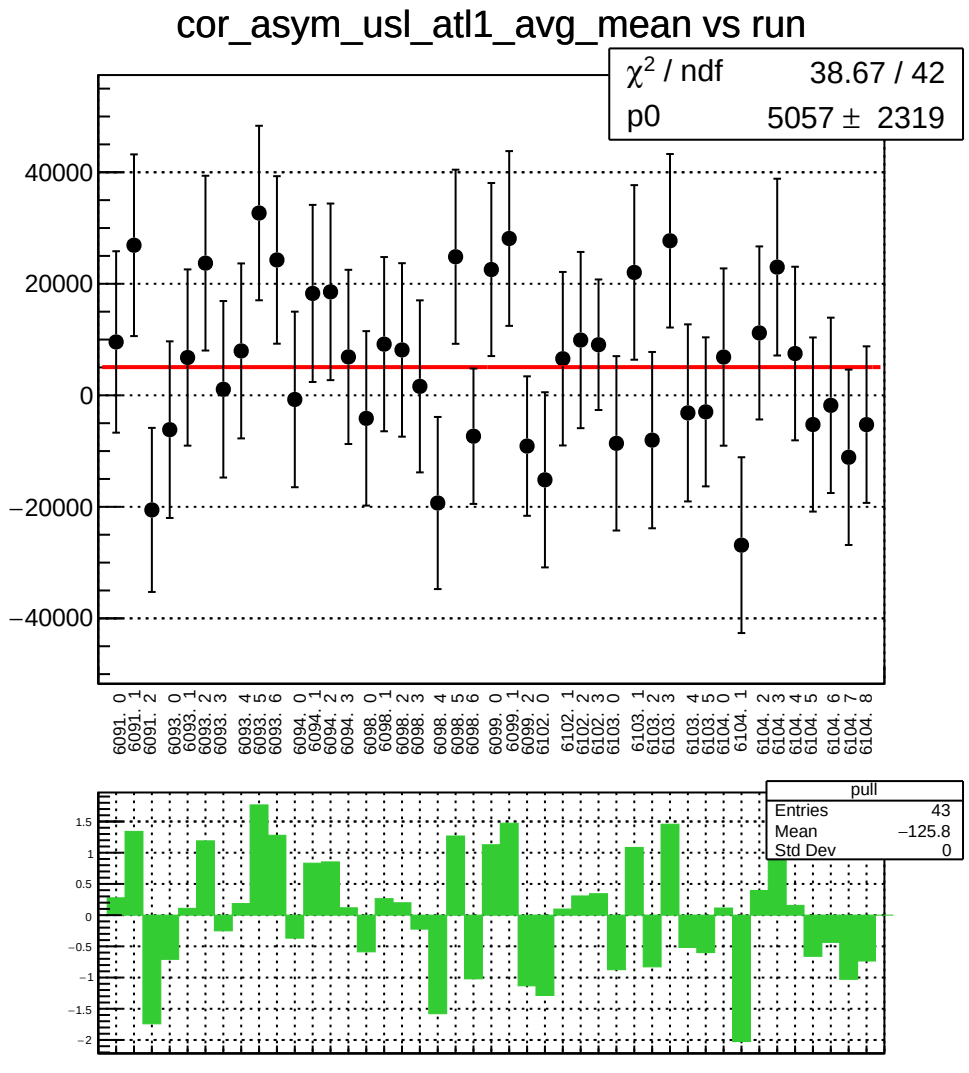

pull1D
Entries 43
Mean 0.01773
Std Dev 0.9482
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

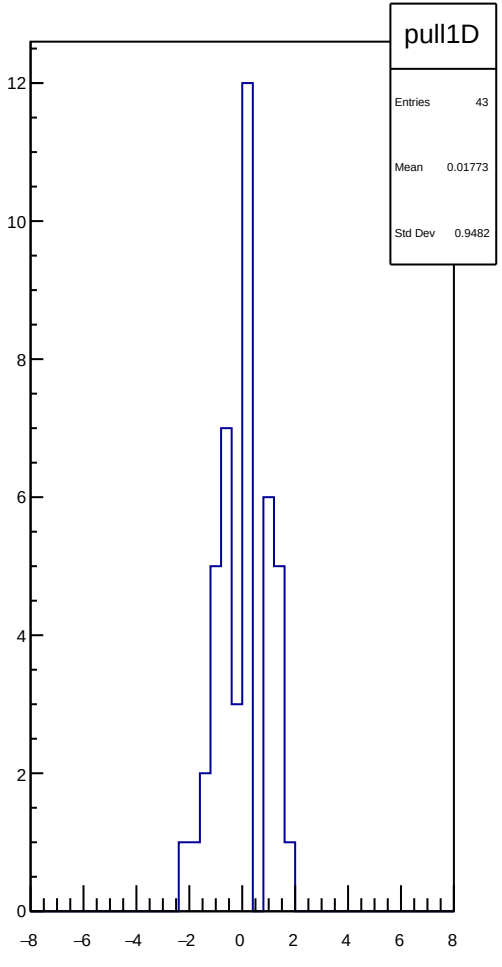

reg_asym_usl_atl1_avg_rms vs run
χ² / ndf 125 / 42
p0 1492 ± 1.64
1560
1540
1520
1500
1480
1460
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

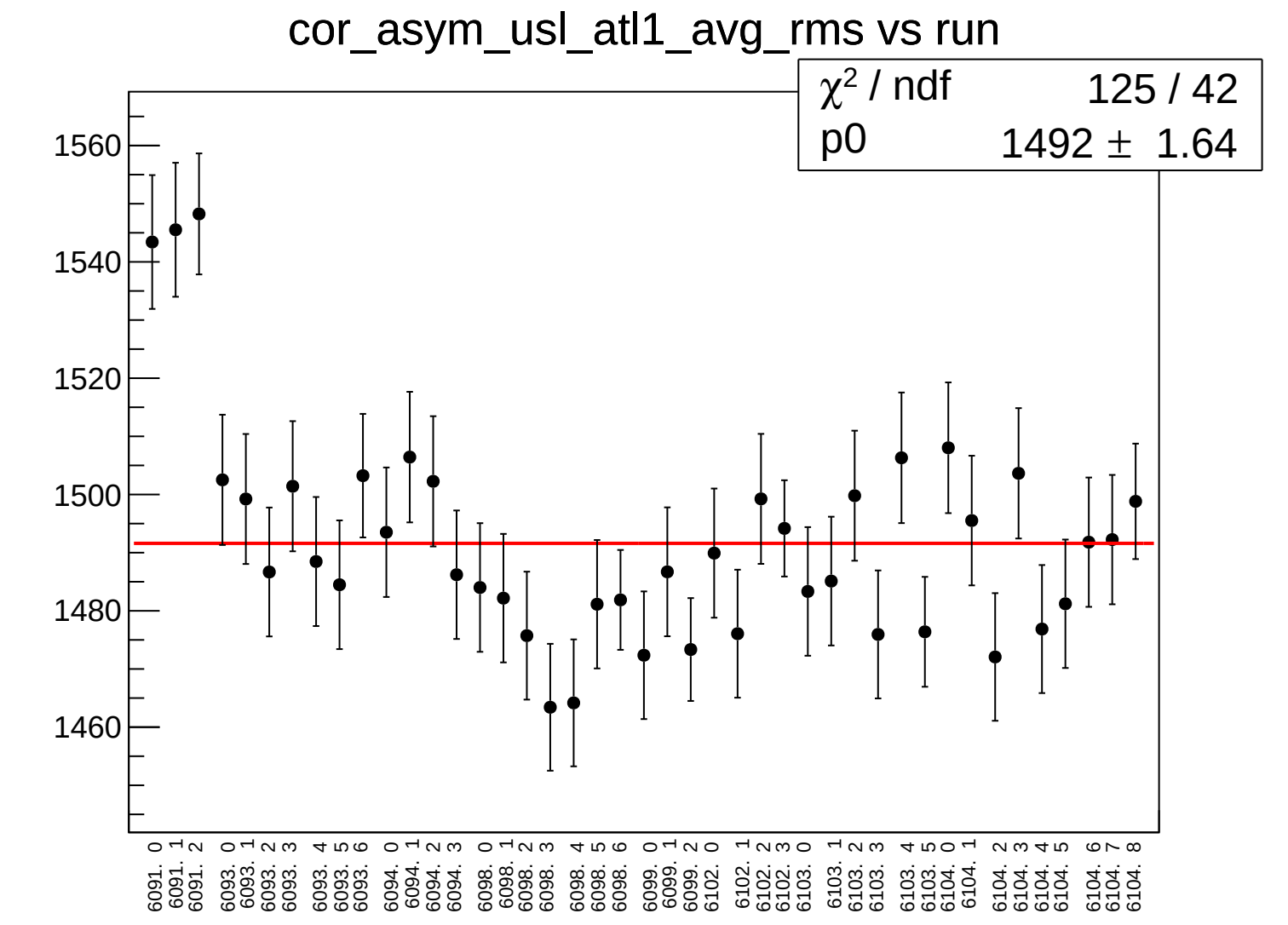

asym_usl_atl1_avg_reg_correction_mean vs run
χ² / ndf 42.28 / 42
p0 911.6 ± 1020
20000
10000
0
−10000
−20000
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean −1.02
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

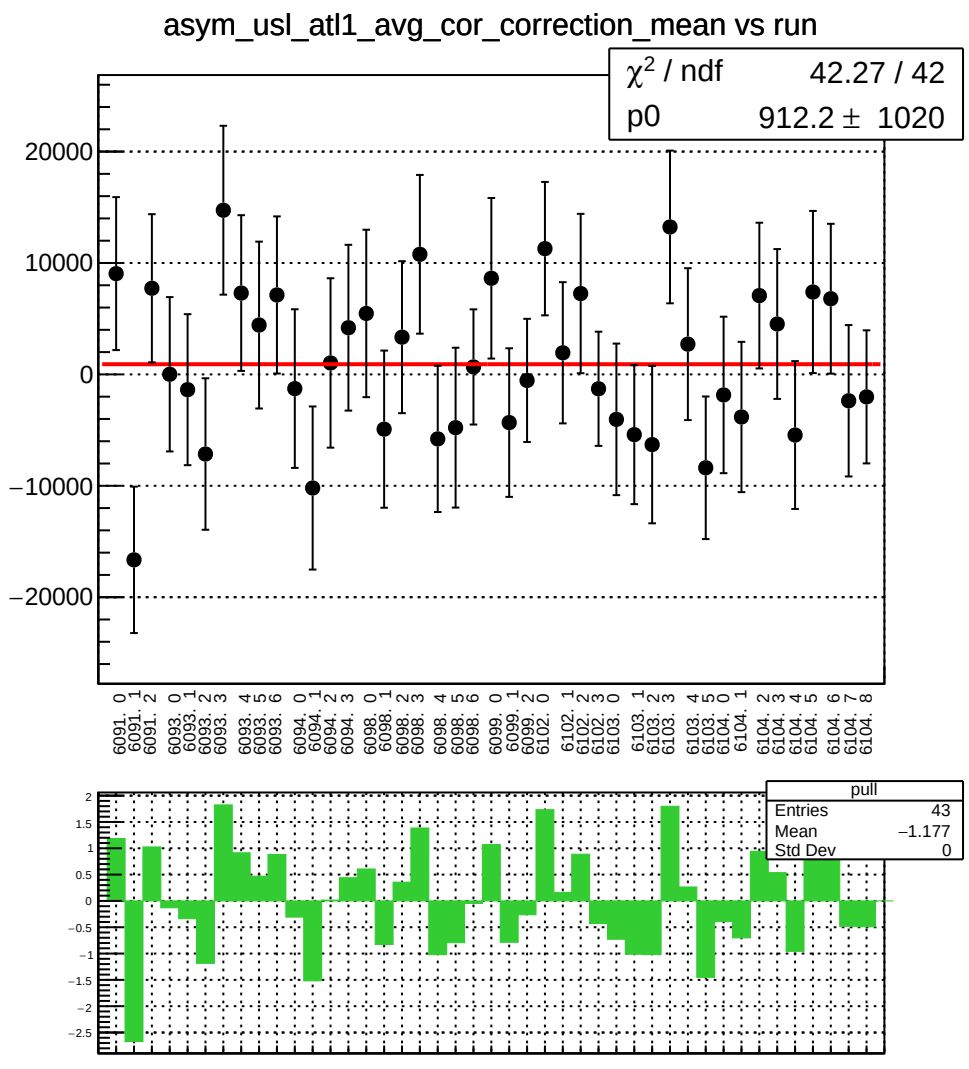

pull1D
Entries 43
Mean 0.01655
Std Dev 0.9914
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

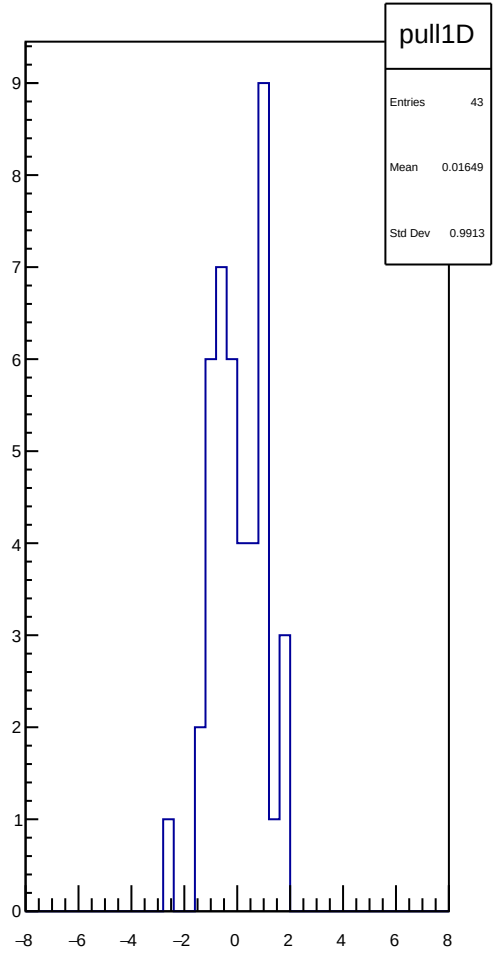

asym_usl_atl1_avg_reg_correction_rms vs run
χ² / ndf 2294 / 42
p0 655.5 ± 0.7215
740
720
700
680
660
640
620
600
580
560
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

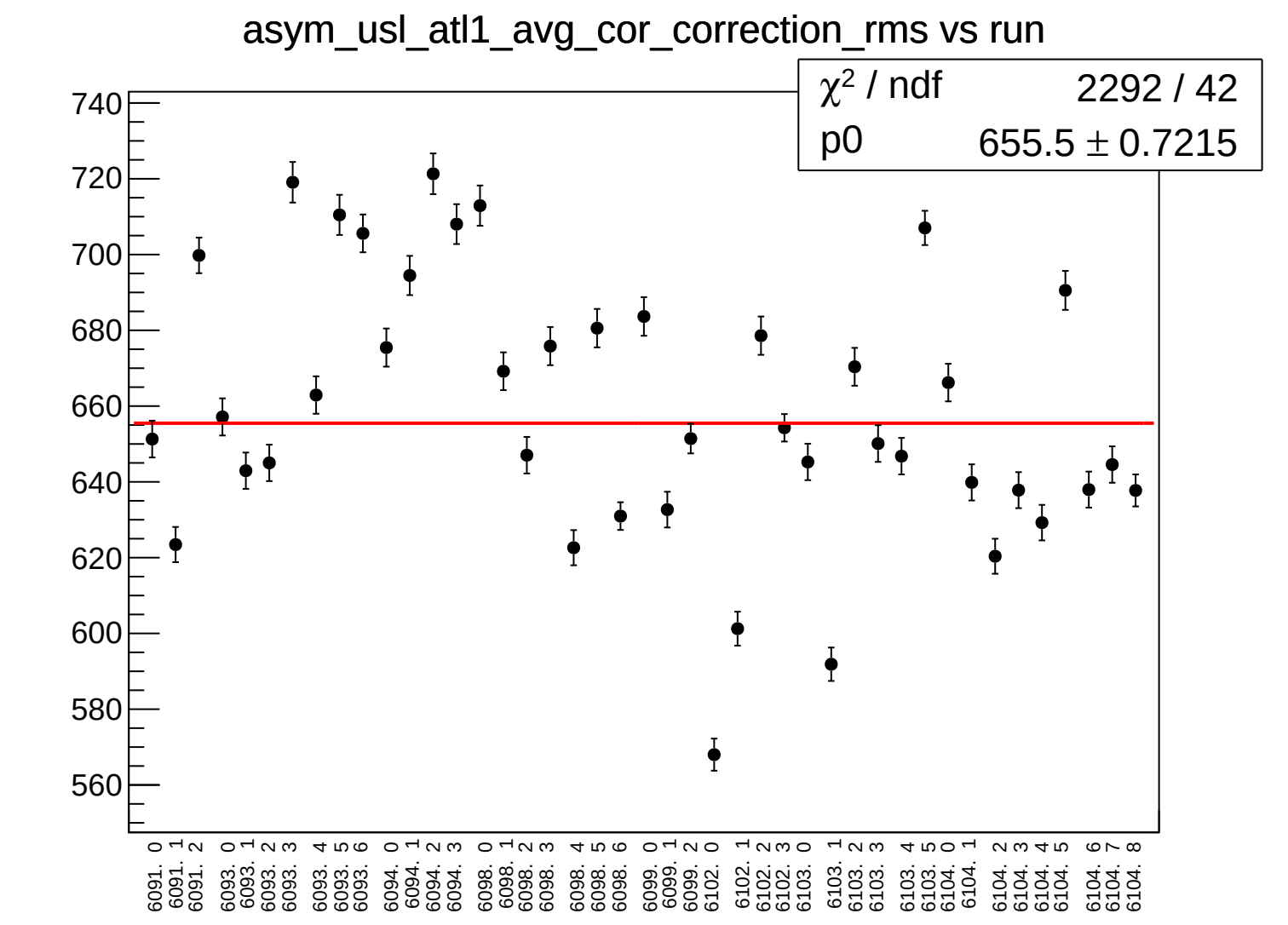

cor_asym_usl_atl1_avg_mean vs run
χ² / ndf 38.67 / 42
p0 5057 ± 2319
40000
20000
0
−20000
−40000
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean −125.8
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2

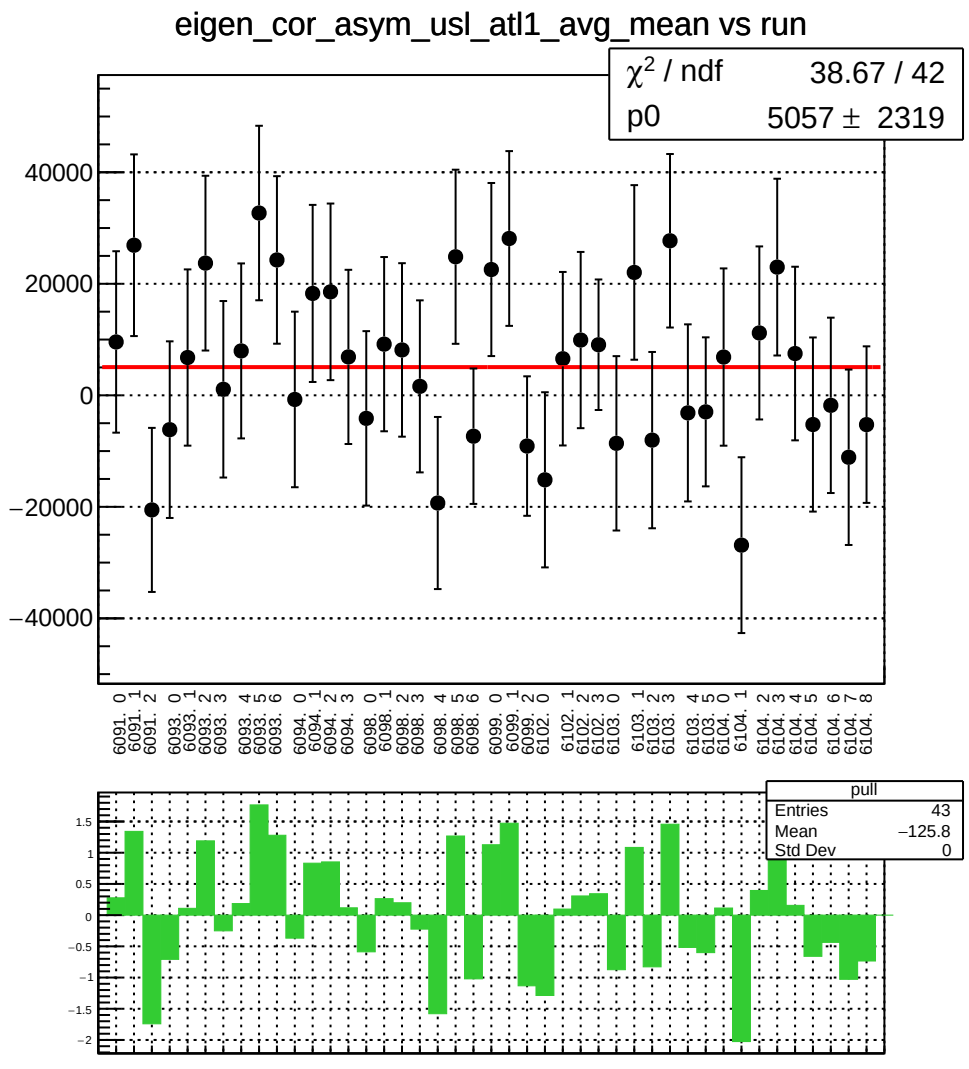

pull1D
Entries 43
Mean 0.01773
Std Dev 0.9482
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

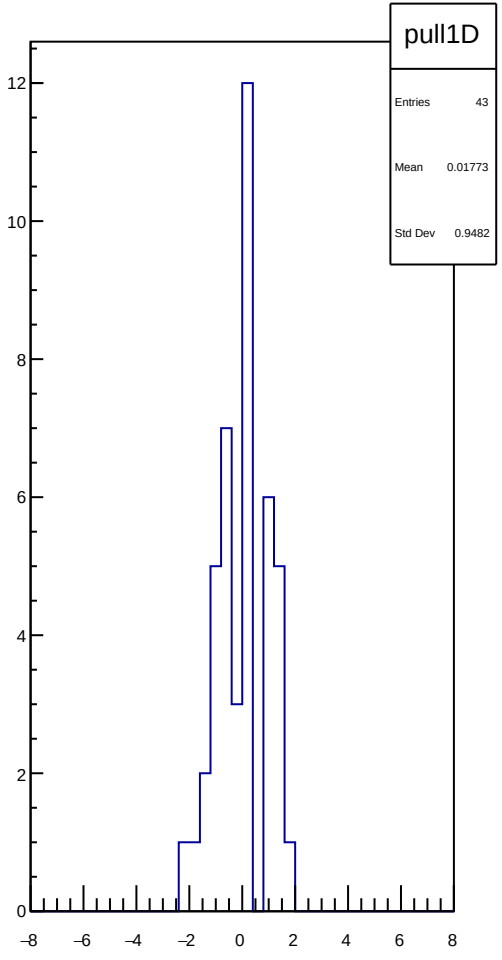

cor_asym_usl_atl1_avg_rms vs run
χ² / ndf 125 / 42
p0 1492 ± 1.64
1560
1540
1520
1500
1480
1460
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

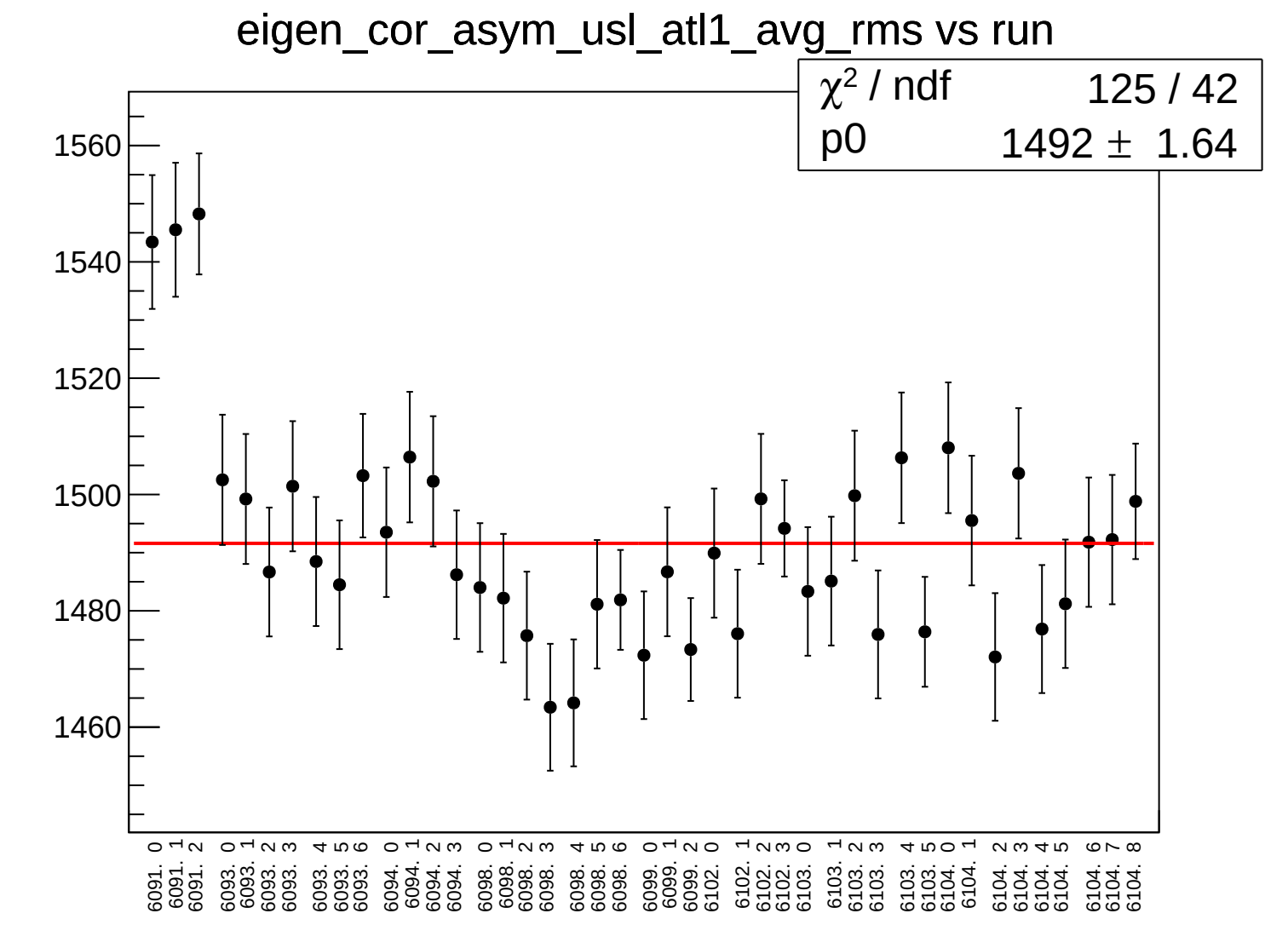

asym_usl_atl1_avg_cor_correction_mean vs run
χ² / ndf 42.27 / 42
p0 912.2 ± 1020
20000
10000
0
−10000
−20000
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean −1.177
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5


pull1D
Entries 43
Mean 0.01649
Std Dev 0.9913
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


asym_usl_atl1_avg_cor_correction_rms vs run
χ² / ndf 2292 / 42
p0 655.5 ± 0.7215
740
720
700
680
660
640
620
600
580
560
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8


eigen_cor_asym_usl_atl1_avg_mean vs run
χ² / ndf 38.67 / 42
p0 5057 ± 2319
40000
20000
0
−20000
−40000
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean −125.8
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2


pull1D
Entries 43
Mean 0.01773
Std Dev 0.9482
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


eigen_cor_asym_usl_atl1_avg_rms vs run
χ² / ndf 125 / 42
p0 1492 ± 1.64
1560
1540
1520
1500
1480
1460
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
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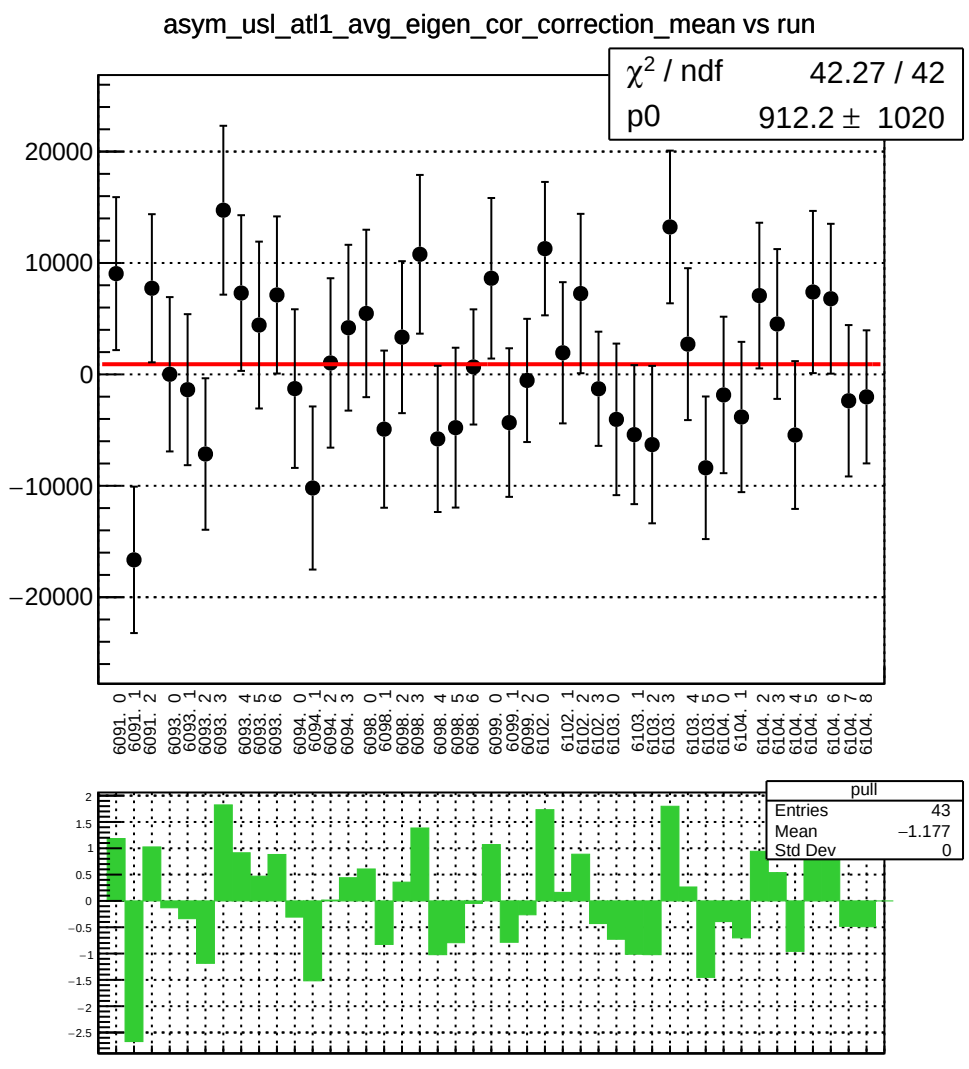
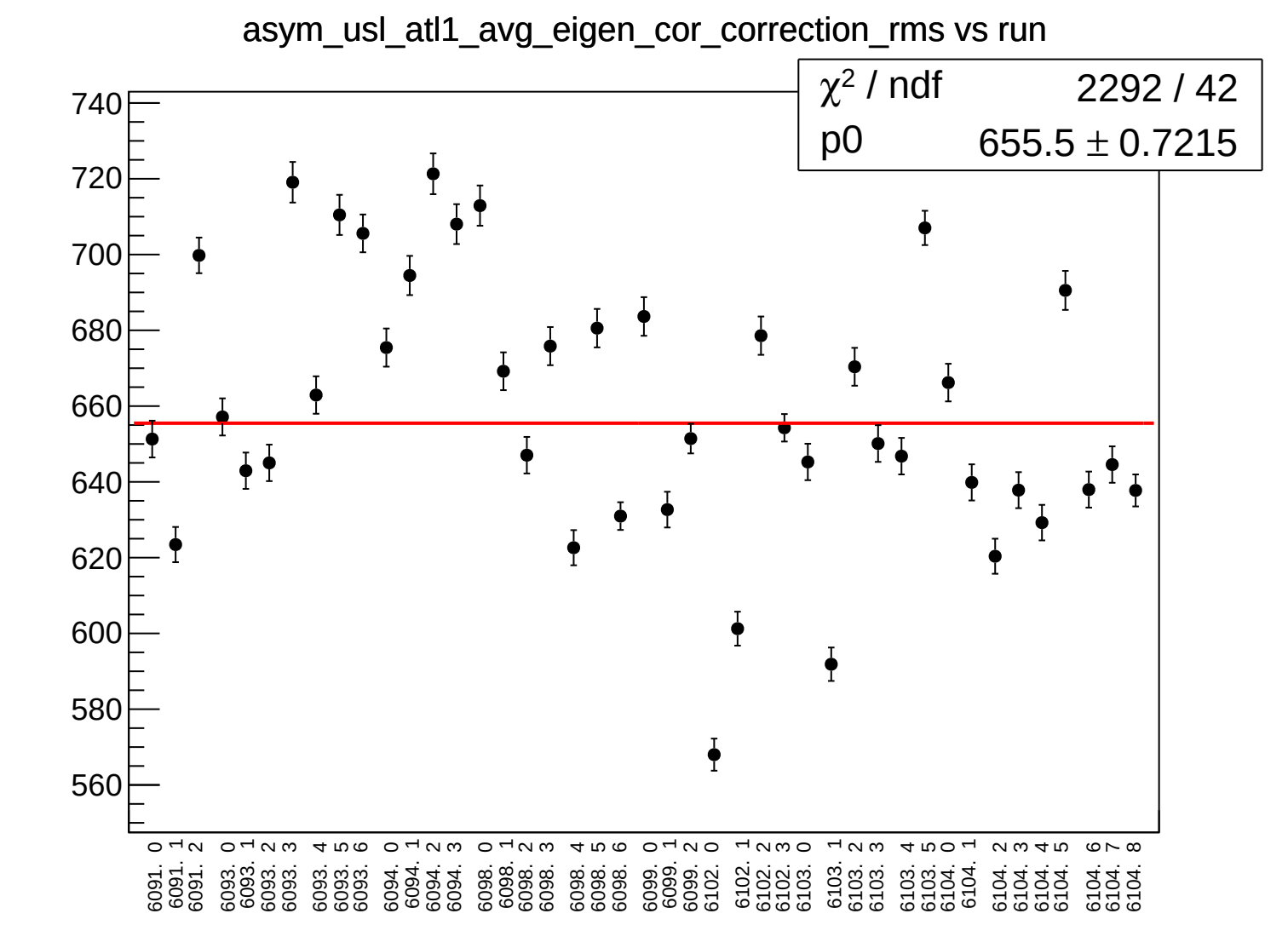
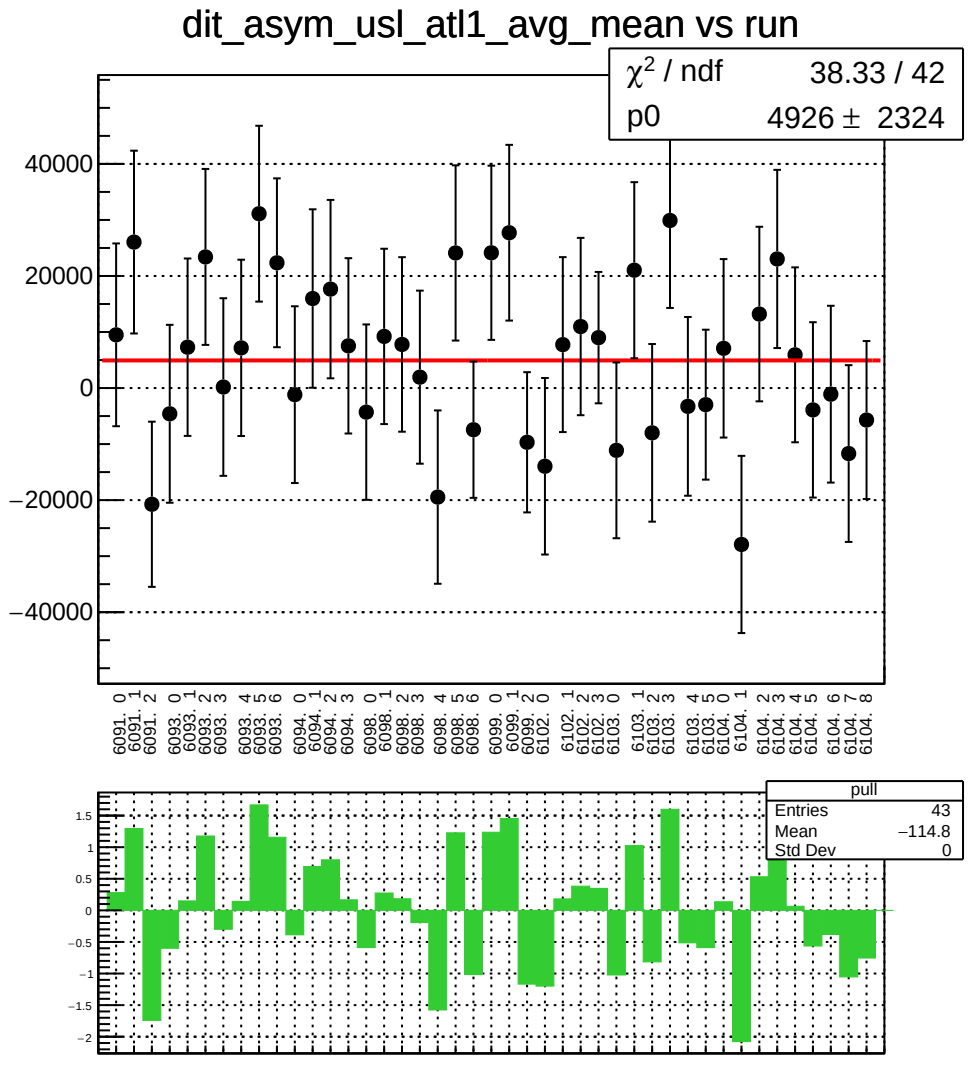
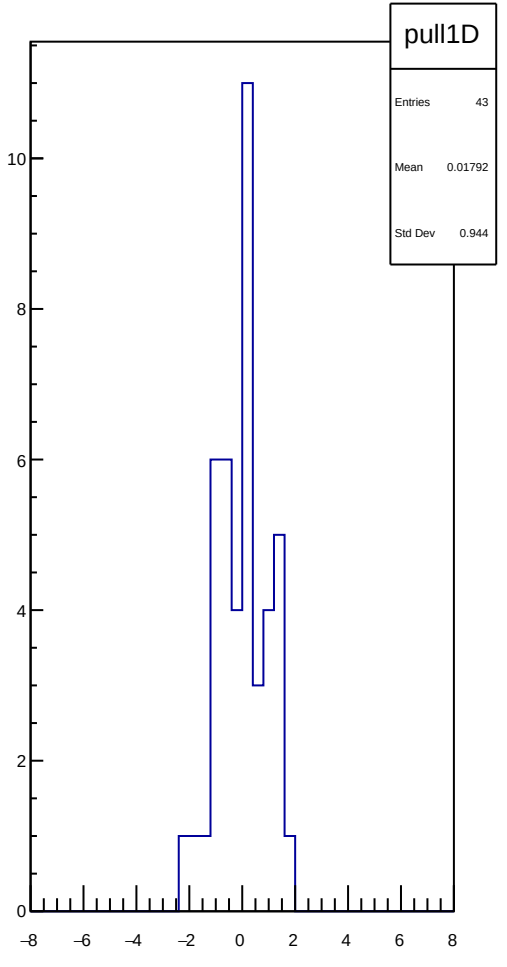
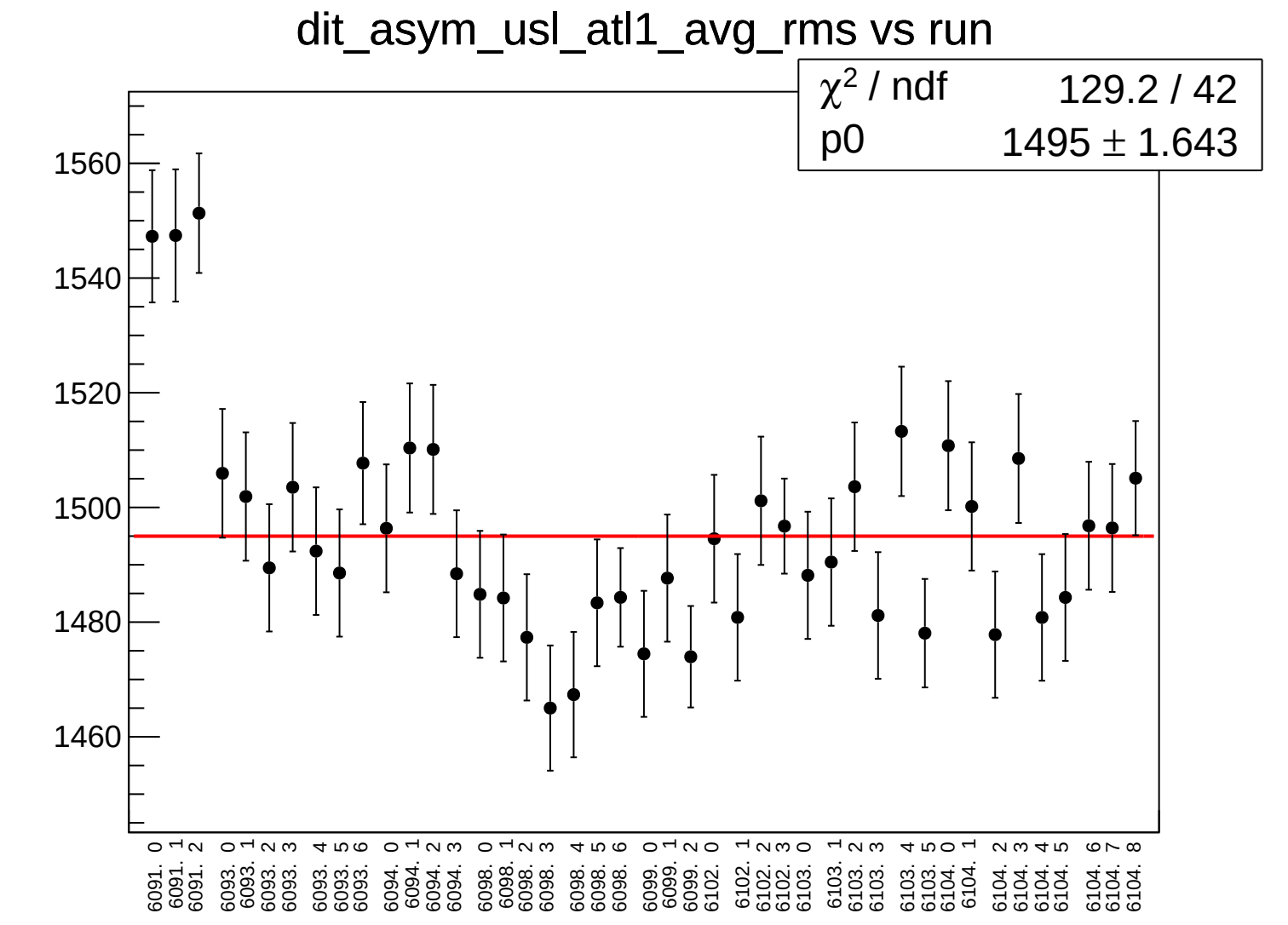
6104. 7
6104. 8

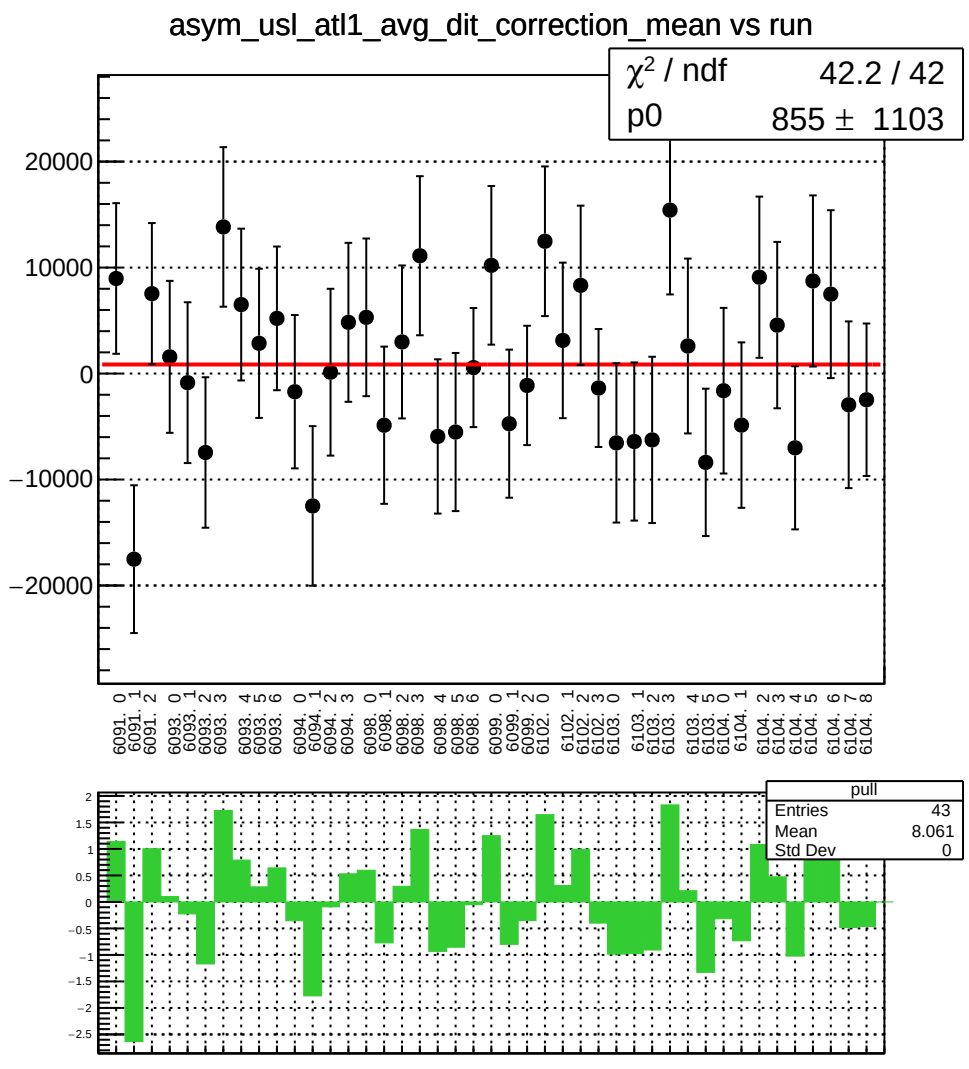

asym_usl_atl1_avg_eigen_cor_correction_mean vs run
χ² / ndf 42.27 / 42
p0 912.2 ± 1020
20000
10000
0
−10000
−20000
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean −1.177
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5
pull1D
Entries 43
Mean 0.01649
Std Dev 0.9913
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

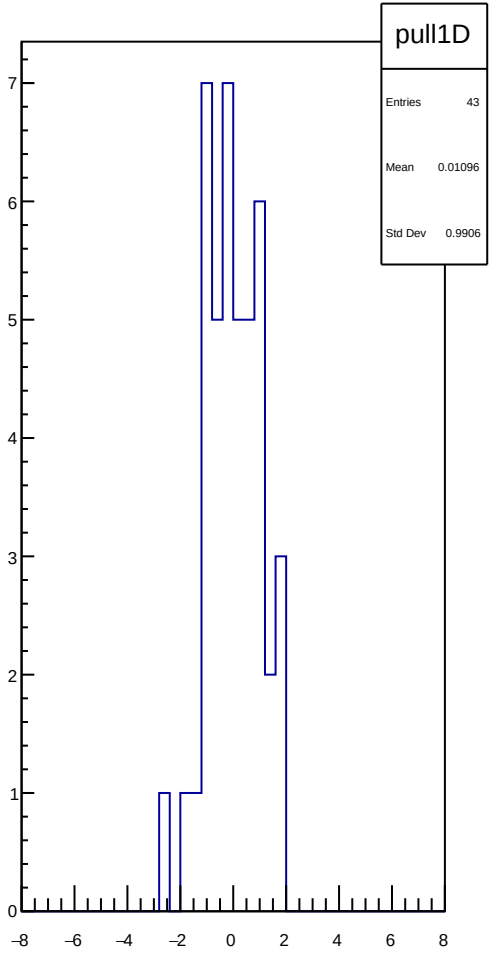

asym_usl_atl1_avg_eigen_cor_correction_rms vs run
χ² / ndf 2292 / 42
p0 655.5 ± 0.7215
740
720
700
680
660
640
620
600
580
560
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

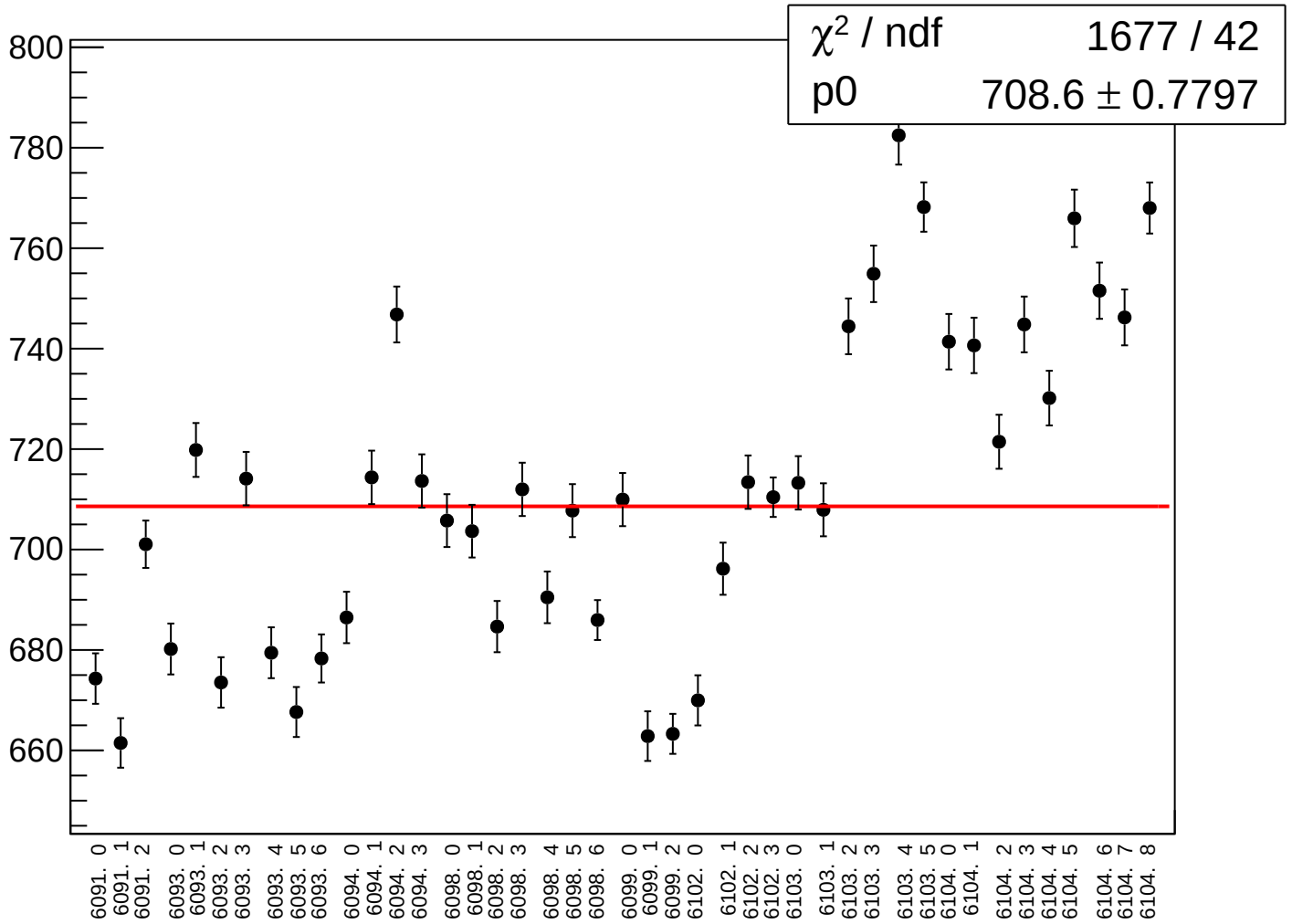

dit_asym_usl_atl1_avg_mean vs run
χ² / ndf 38.33 / 42
p0 4926 ± 2324
40000
20000
0
−20000
−40000
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean −114.8
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2

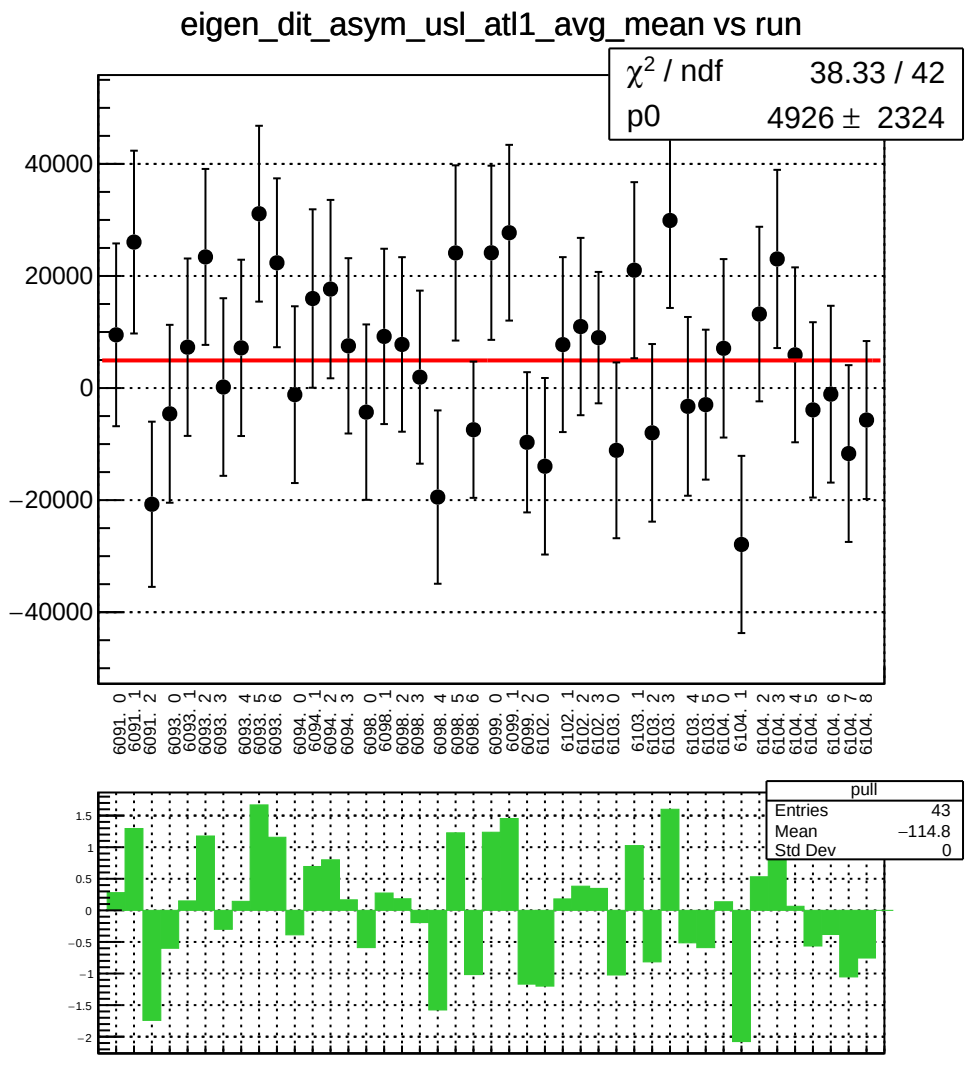

pull1D
Entries 43
Mean 0.01792
Std Dev 0.944
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

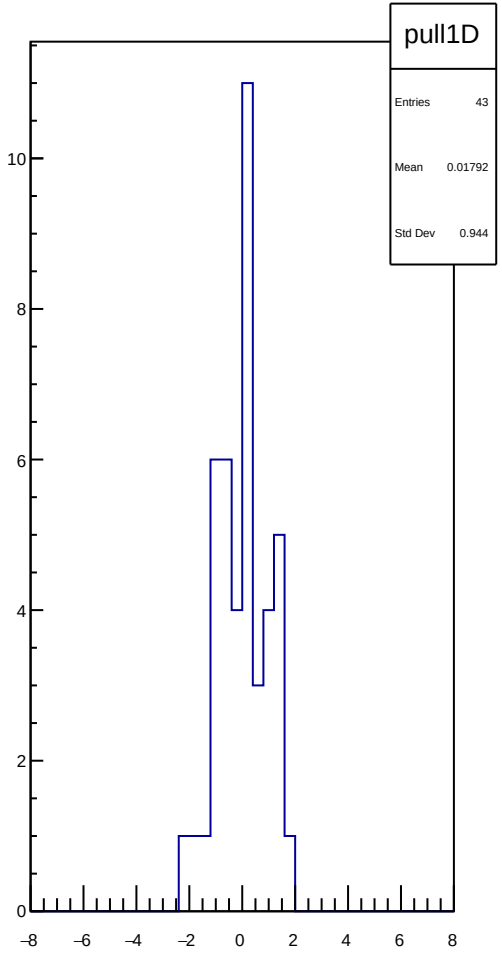

dit_asym_usl_atl1_avg_rms vs run
χ^2 / ndf 129.2 / 42
p0 1495 ± 1.643
1560
1540
1520
1500
1480
1460
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

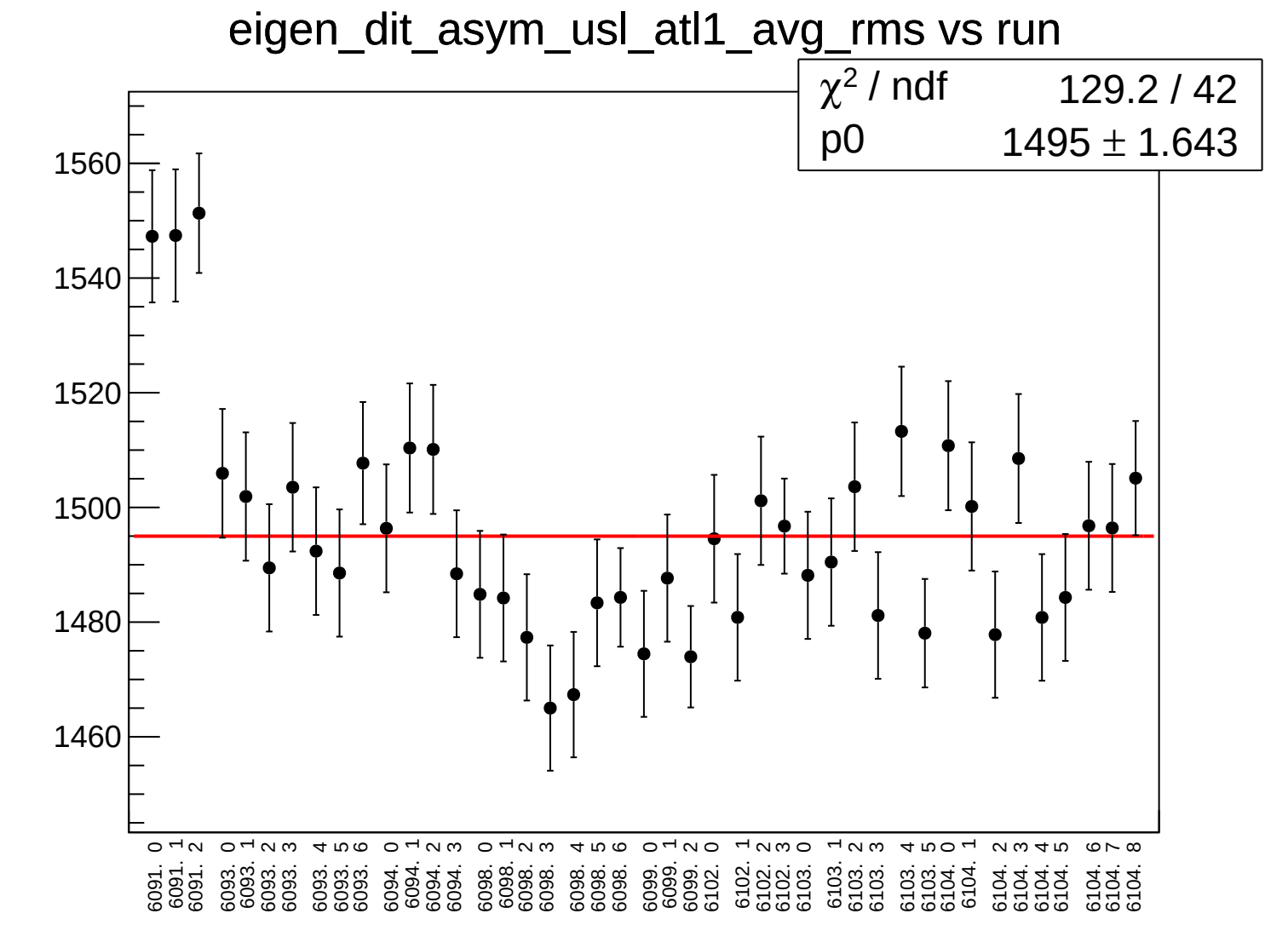

asym_usl_atl1_avg_dit_correction_mean vs run
χ² / ndf 42.2 / 42
p0 855 ± 1103
20000
10000
0
−10000
−20000
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 8.061
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

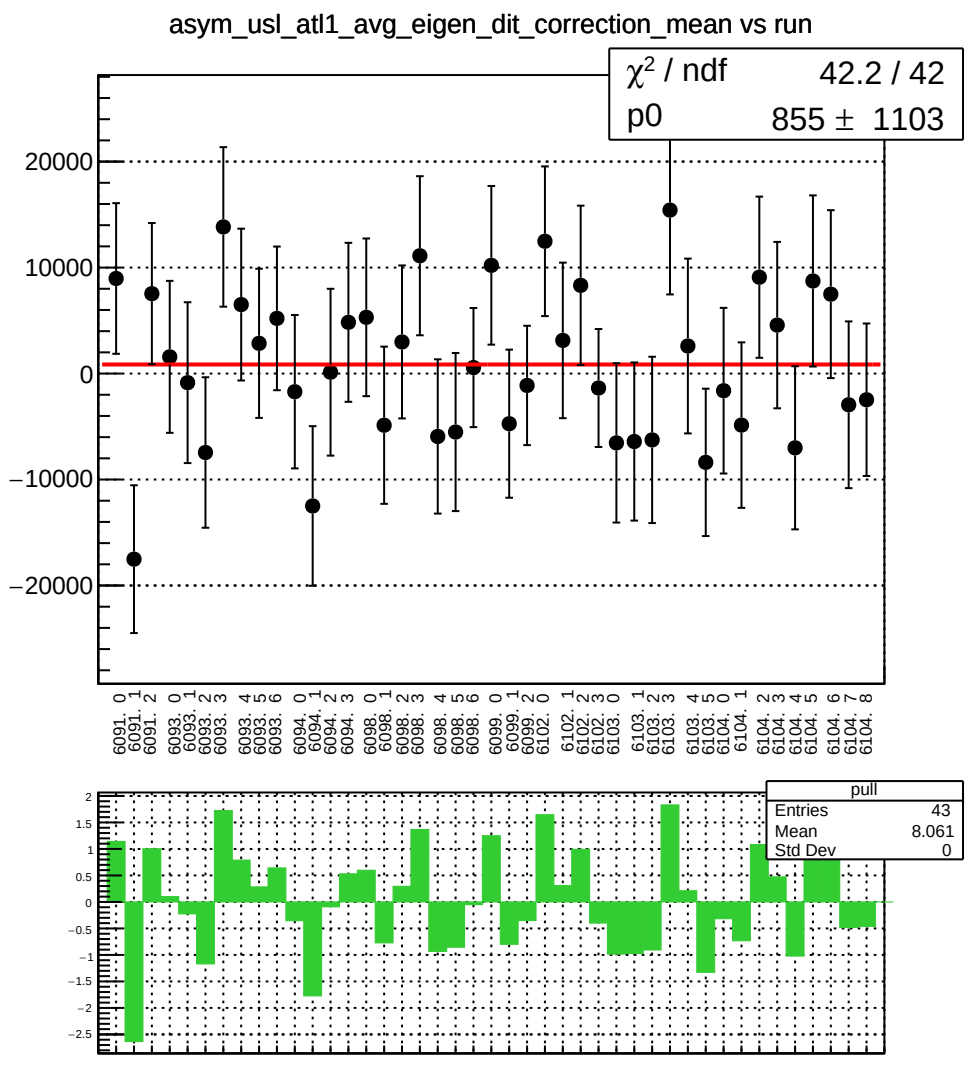

pull1D
Entries 43
Mean 0.01096
Std Dev 0.9906
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

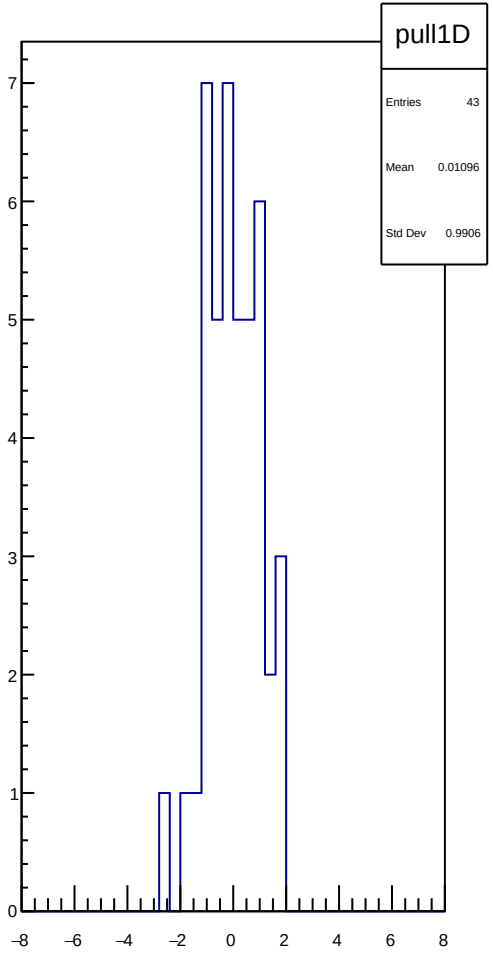

asym_usl_atl1_avg_dit_correction_rms vs run
χ² / ndf 1677 / 42
p0 708.6 ± 0.7797
800
780
760
740
720
700
680
660
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

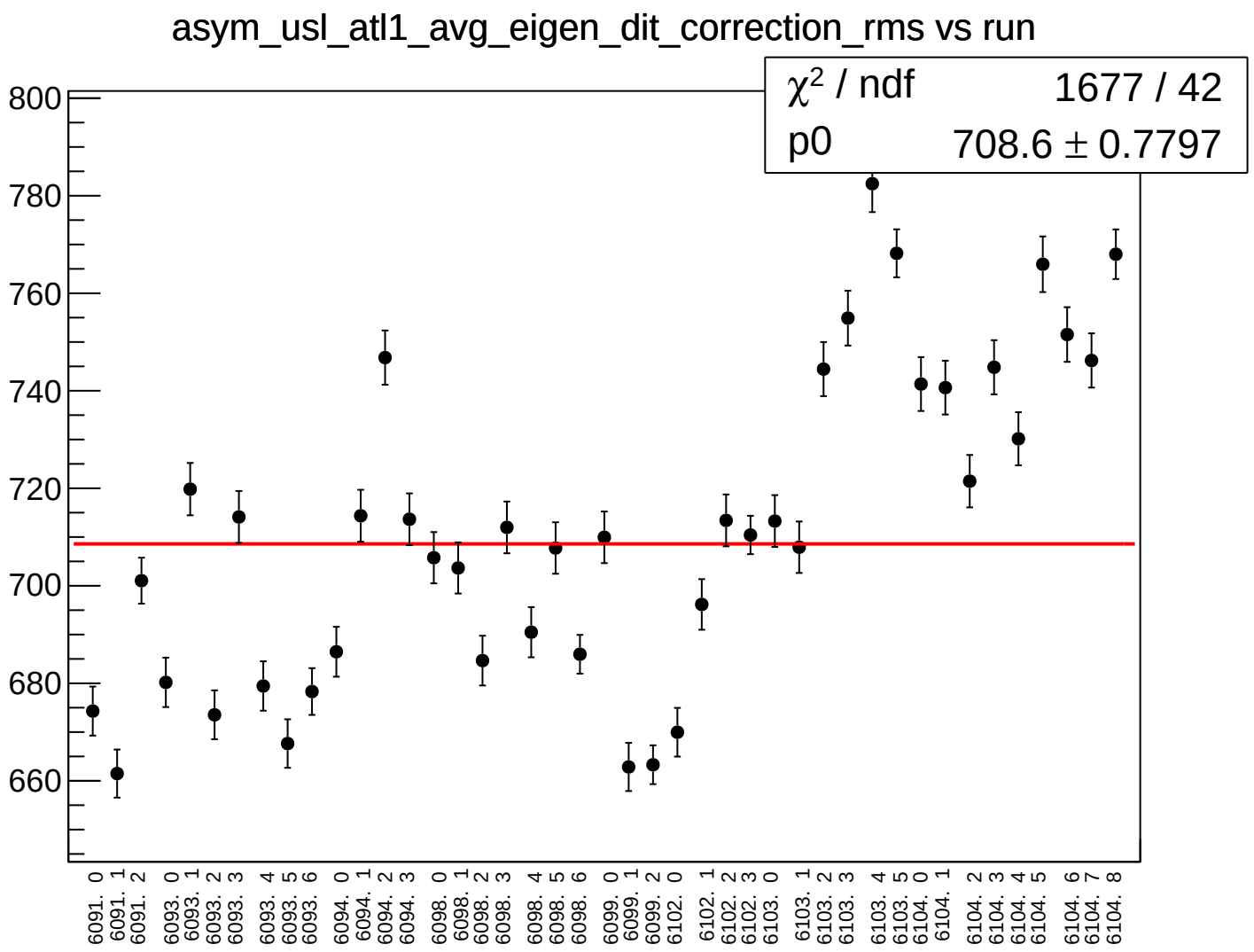

eigen_dit_asym_usl_atl1_avg_mean vs run
χ² / ndf 38.33 / 42
p0 4926 ± 2324
40000
20000
0
−20000
−40000
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean −114.8
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2

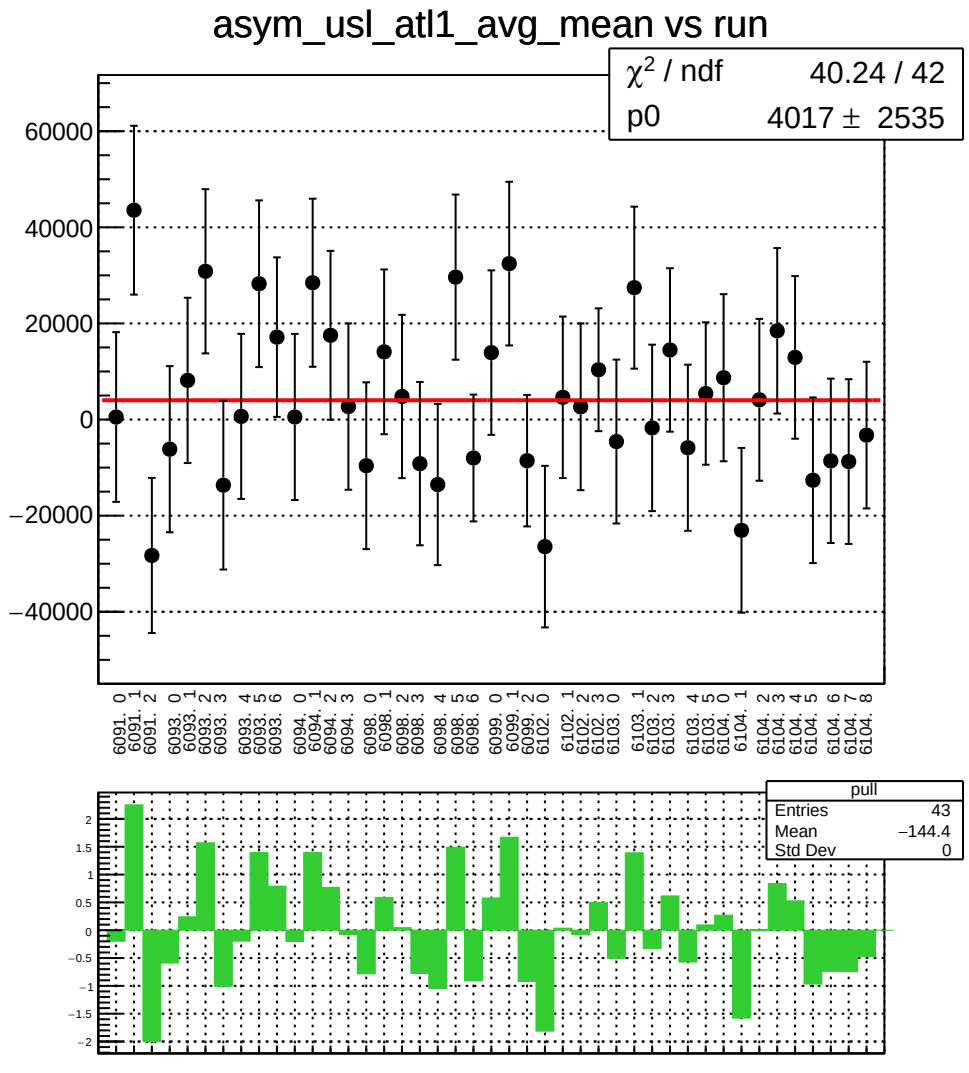

pull1D
Entries 43
Mean 0.01792
Std Dev 0.944
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

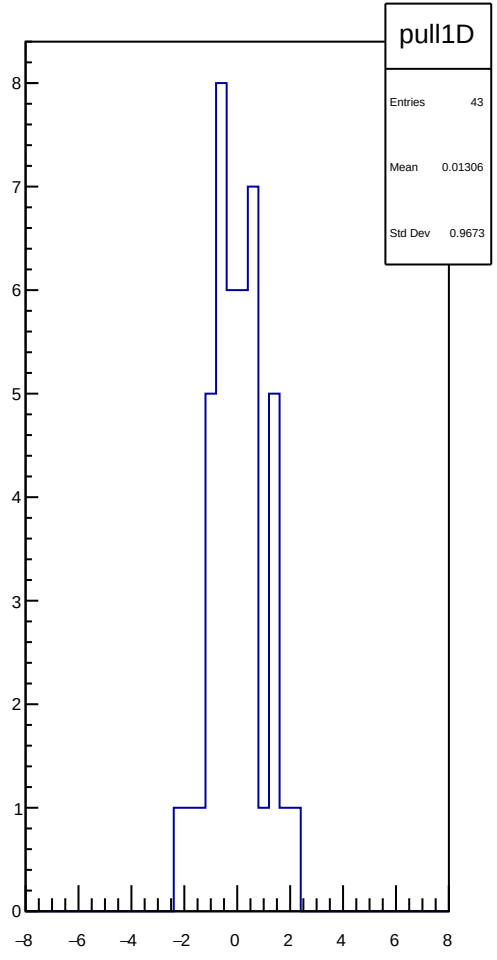

eigen_dit_asym_usl_atl1_avg_rms vs run
χ² / ndf 129.2 / 42
p0 1495 ± 1.643
1560
1540
1520
1500
1480
1460
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

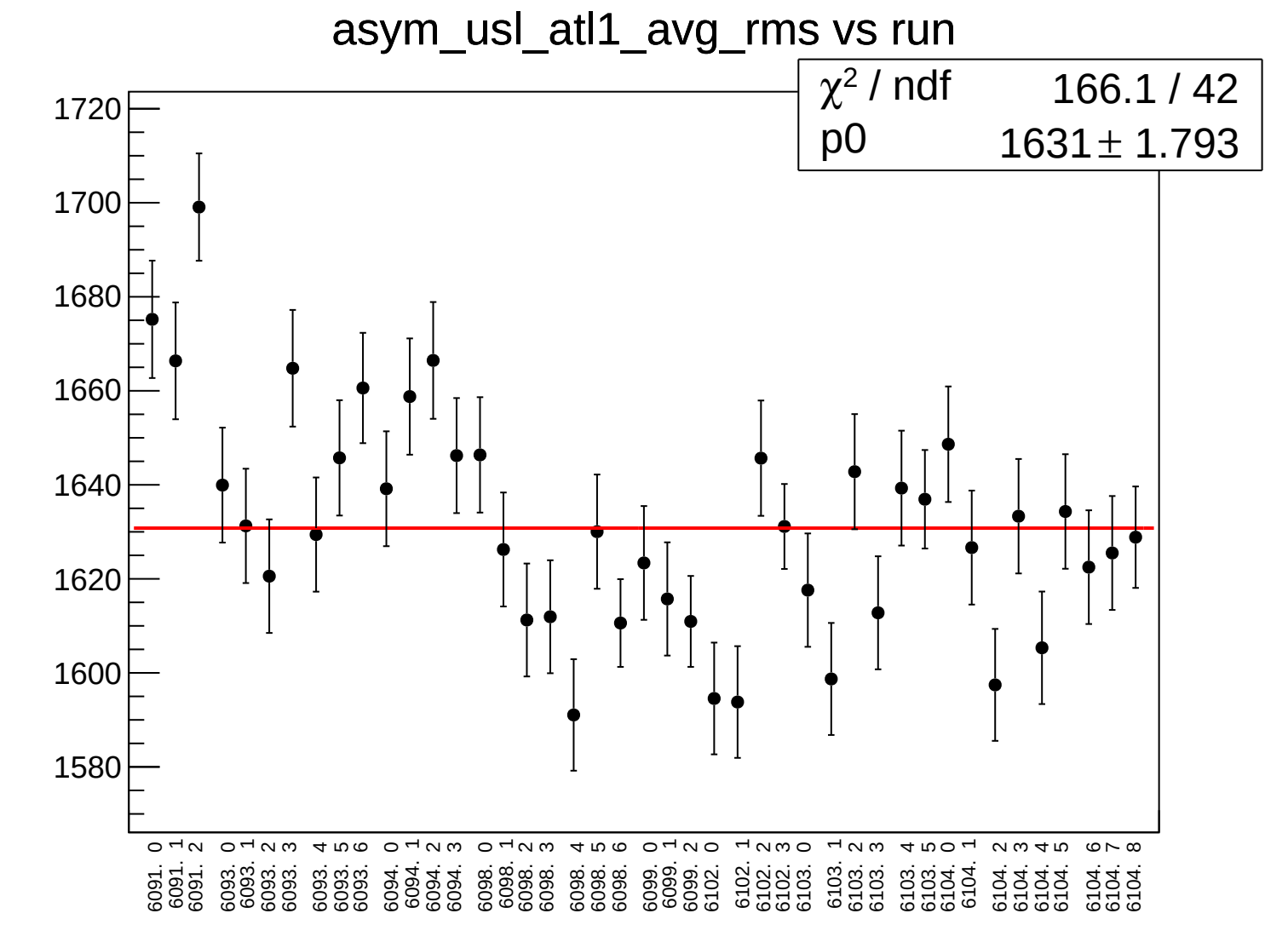

asym_usl_atl1_avg_eigen_dit_correction_mean vs run
χ² / ndf 42.2 / 42
p0 855 ± 1103
20000
10000
0
−10000
−20000
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 8.061
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

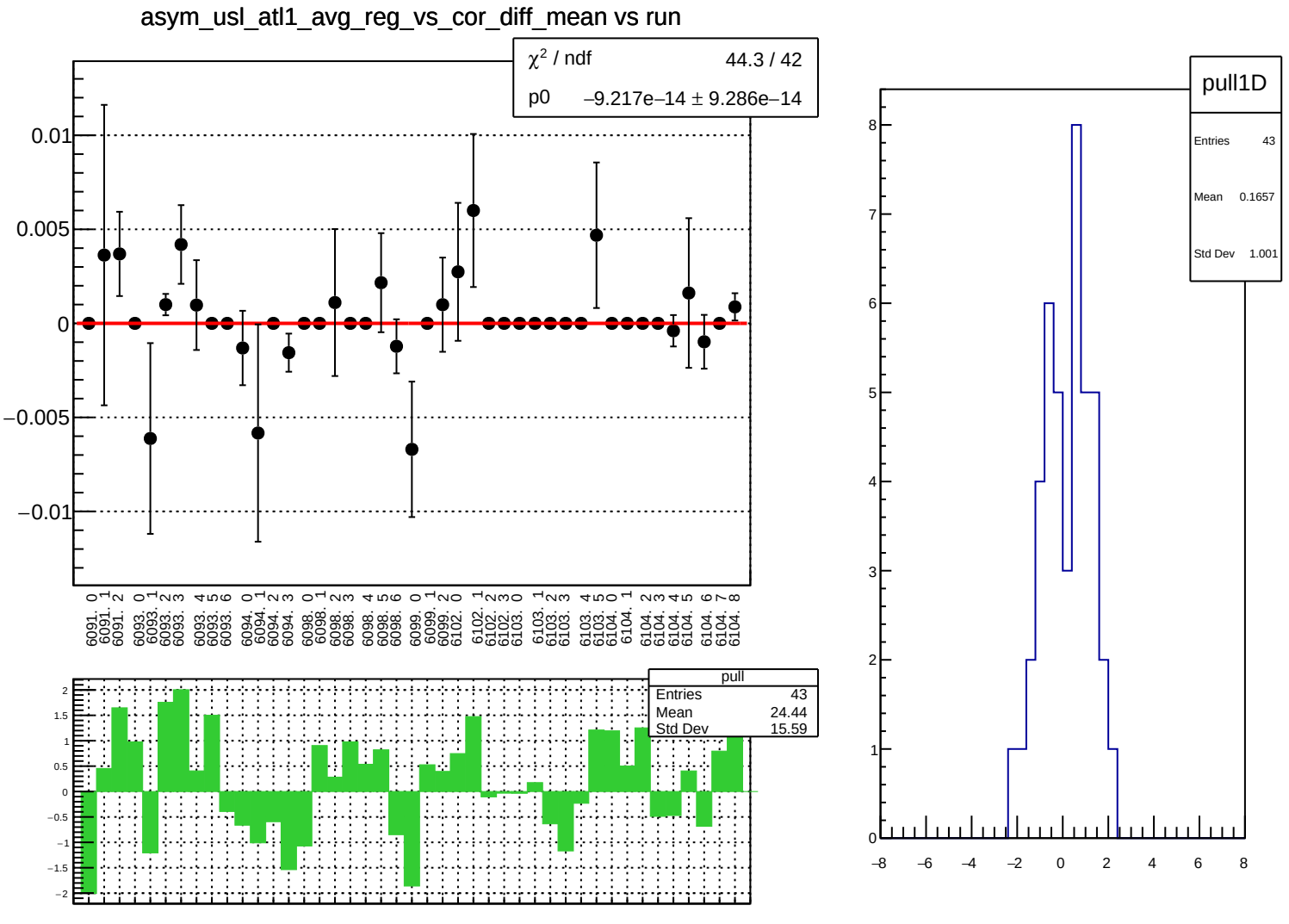

pull1D
Entries 43
Mean 0.01096
Std Dev 0.9906
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

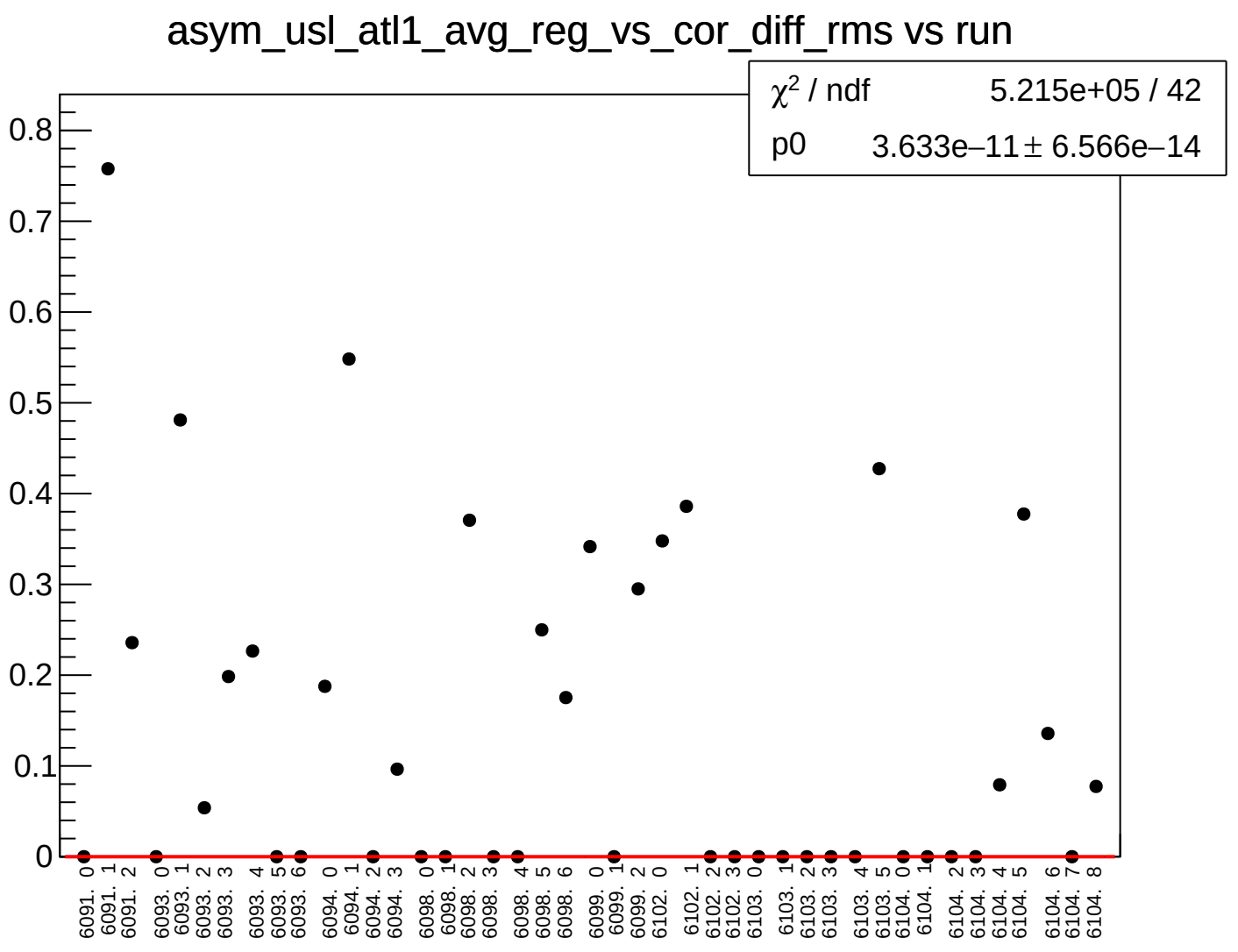

asym_usl_atl1_avg_eigen_dit_correction_rms vs run
χ² / ndf 1677 / 42
p0 708.6 ± 0.7797
800
780
760
740
720
700
680
660
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

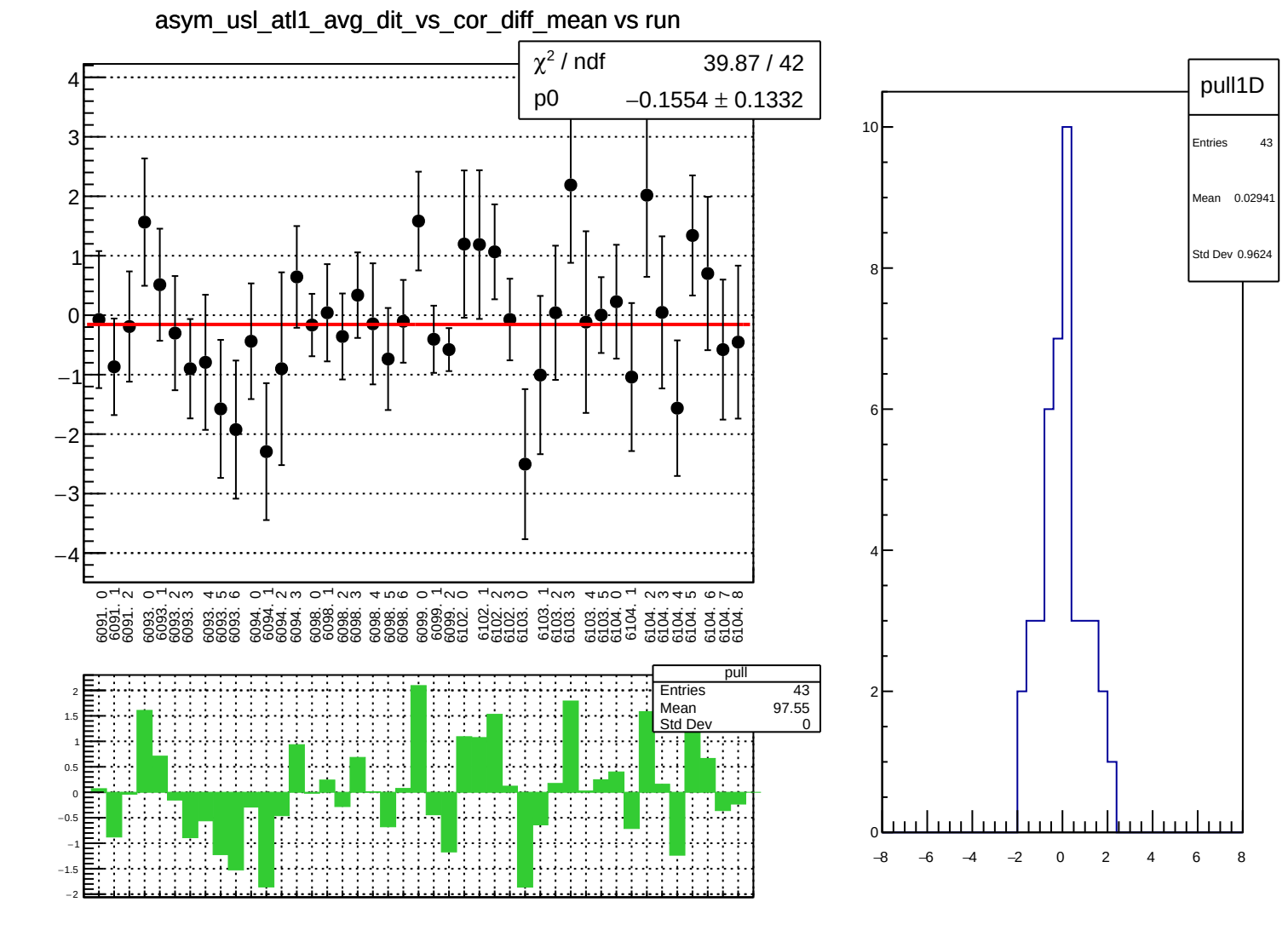

asym_usl_atl1_avg_mean vs run
χ² / ndf 40.24 / 42
p0 4017 ± 2535
60000
40000
20000
0
−20000
−40000
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean −144.4
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

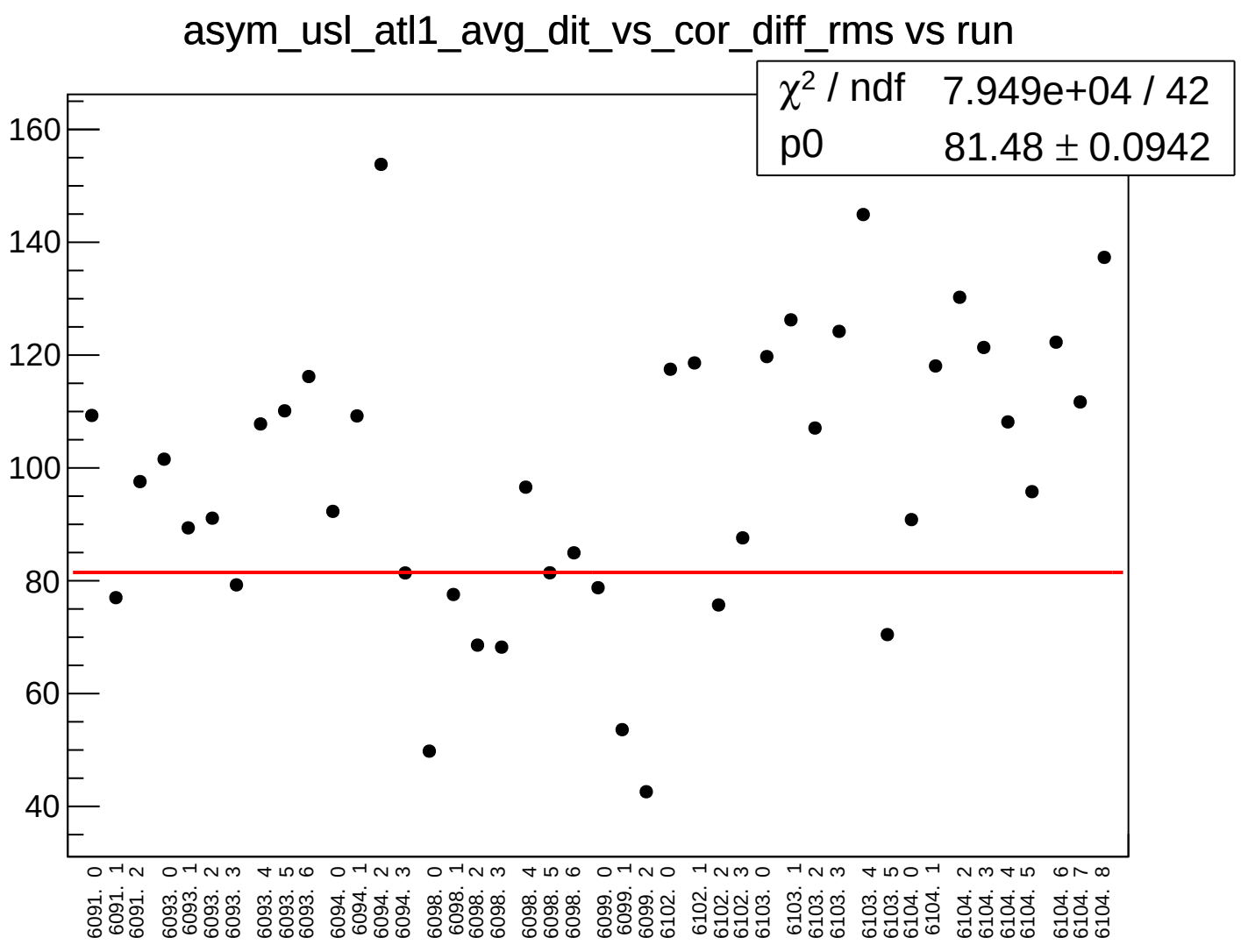

pull1D
Entries 43
Mean 0.01306
Std Dev 0.9673
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


asym_usl_atl1_avg_rms vs run
χ² / ndf 166.1 / 42
p0 1631 ± 1.793
1720
1700
1680
1660
1640
1620
1600
1580
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

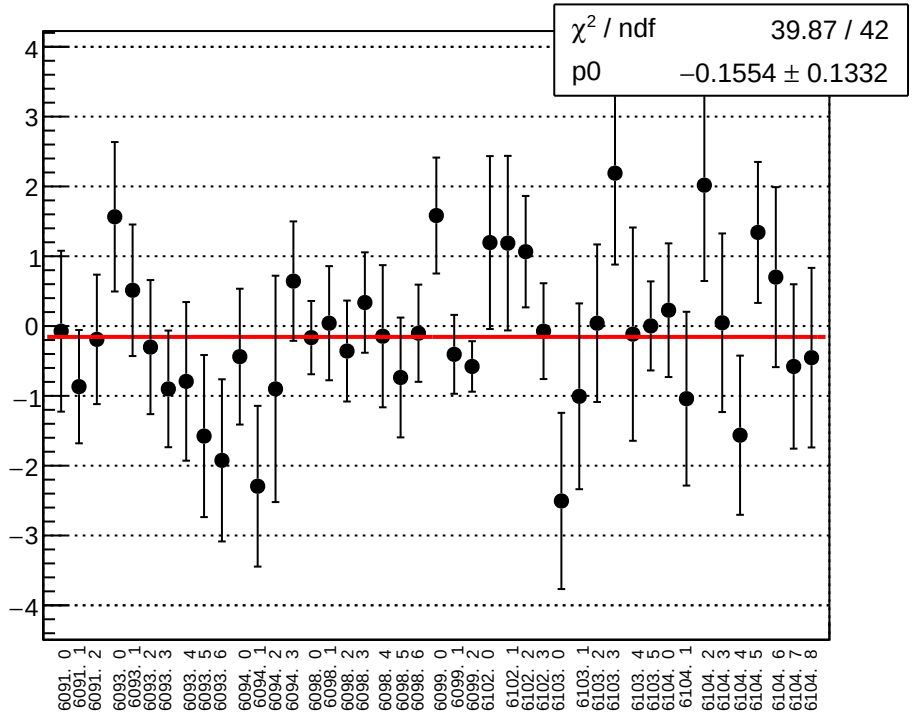

asym_usl_atl1_avg_reg_vs_cor_diff_mean vs run
χ² / ndf 44.3 / 42
p0 −9.217e−14 ± 9.286e−14
0.01
0.005
0
−0.005
−0.01
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 24.44
Std Dev 15.59
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 43
Mean 0.1657
Std Dev 1.001
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

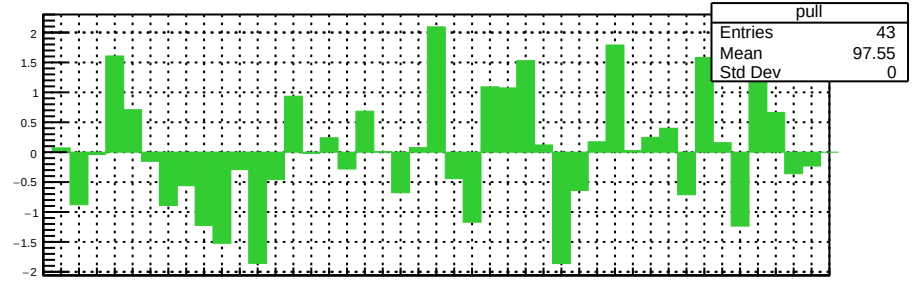

asym_usl_atl1_avg_reg_vs_cor_diff_rms vs run
χ² / ndf 5.215e+05 / 42
p0 3.633e−11 ± 6.566e−14
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

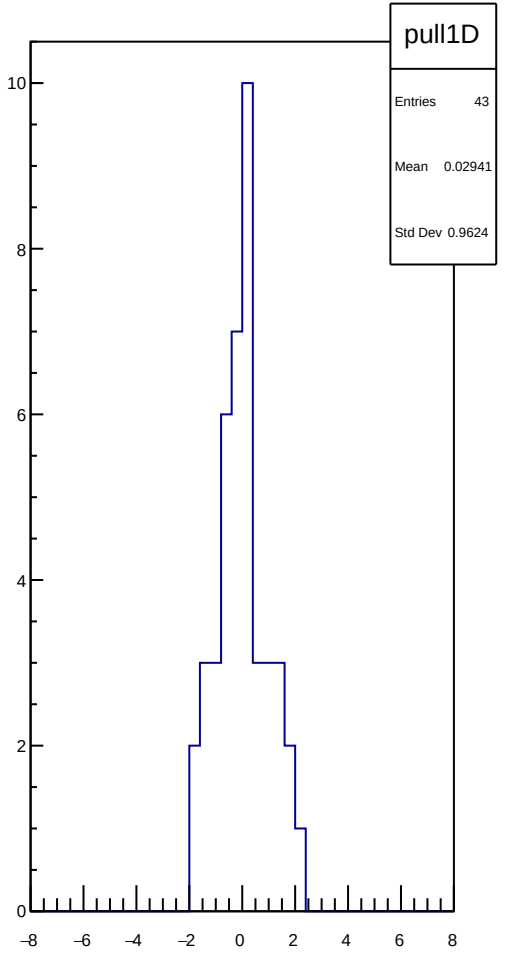

asym_usl_atl1_avg_dit_vs_cor_diff_mean vs run
χ² / ndf 39.87 / 42
p0 −0.1554 ± 0.1332
pull
Entries 43
Mean 97.55
Std Dev 0
pull1D
Entries 43
Mean 0.02941
Std Dev 0.9624

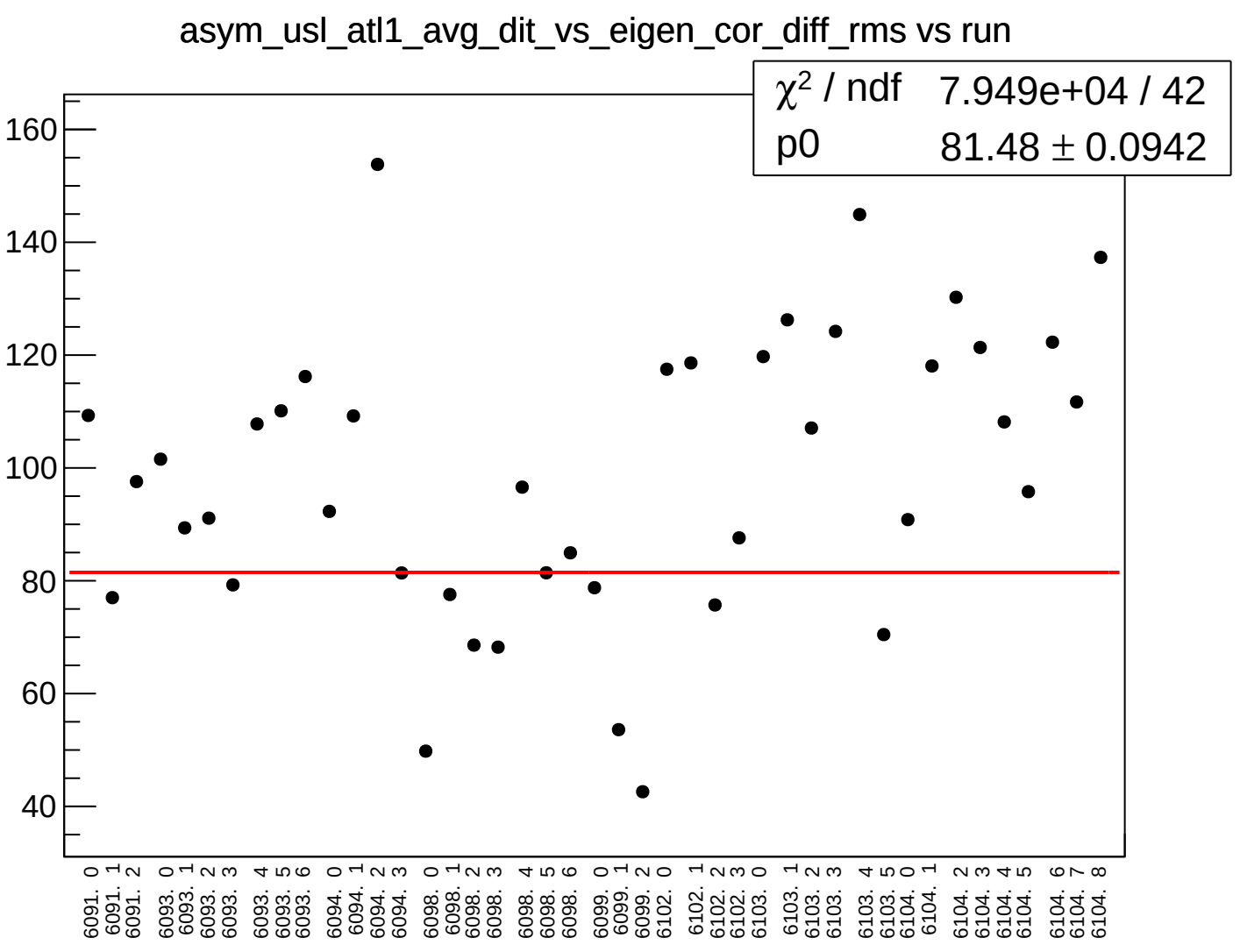

asym_usl_atl1_avg_dit_vs_cor_diff_rms vs run
χ² / ndf 7.949e+04 / 42
p0 81.48 ± 0.0942
160
140
120
100
80
60
40
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

asym_usl_atl1_avg_dit_vs_eigen_cor_diff_mean vs run








asym_usl_atl1_avg_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 7.949e+04 / 42
p0 81.48 ± 0.0942
160
140
120
100
80
60
40
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
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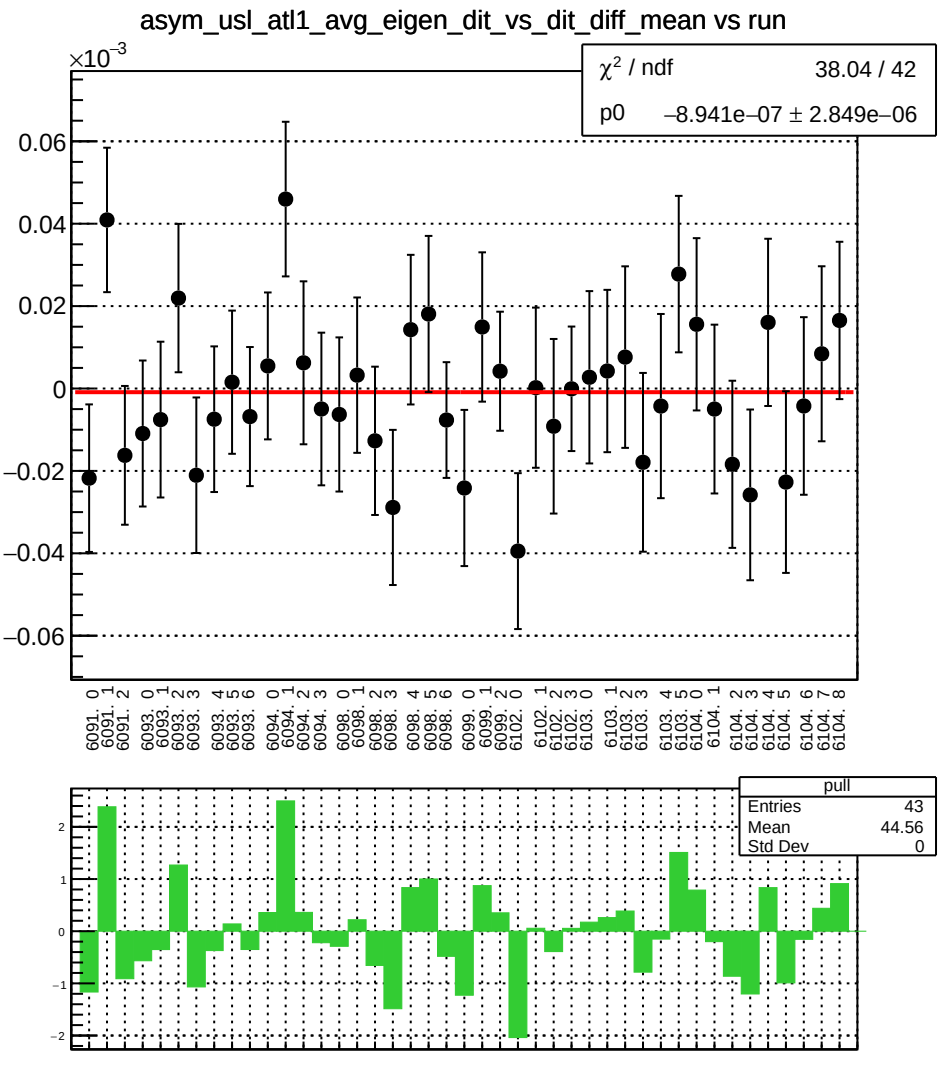
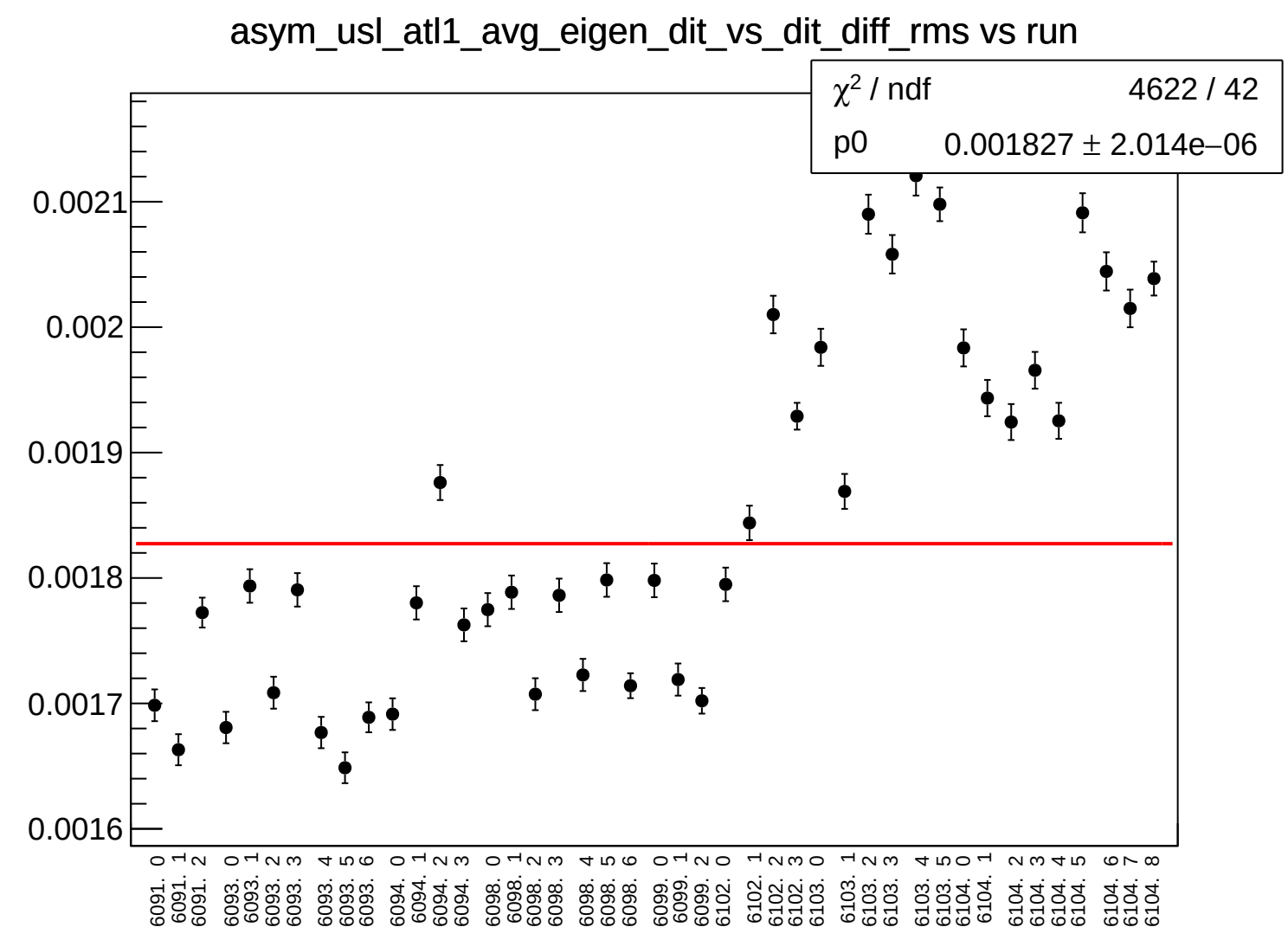
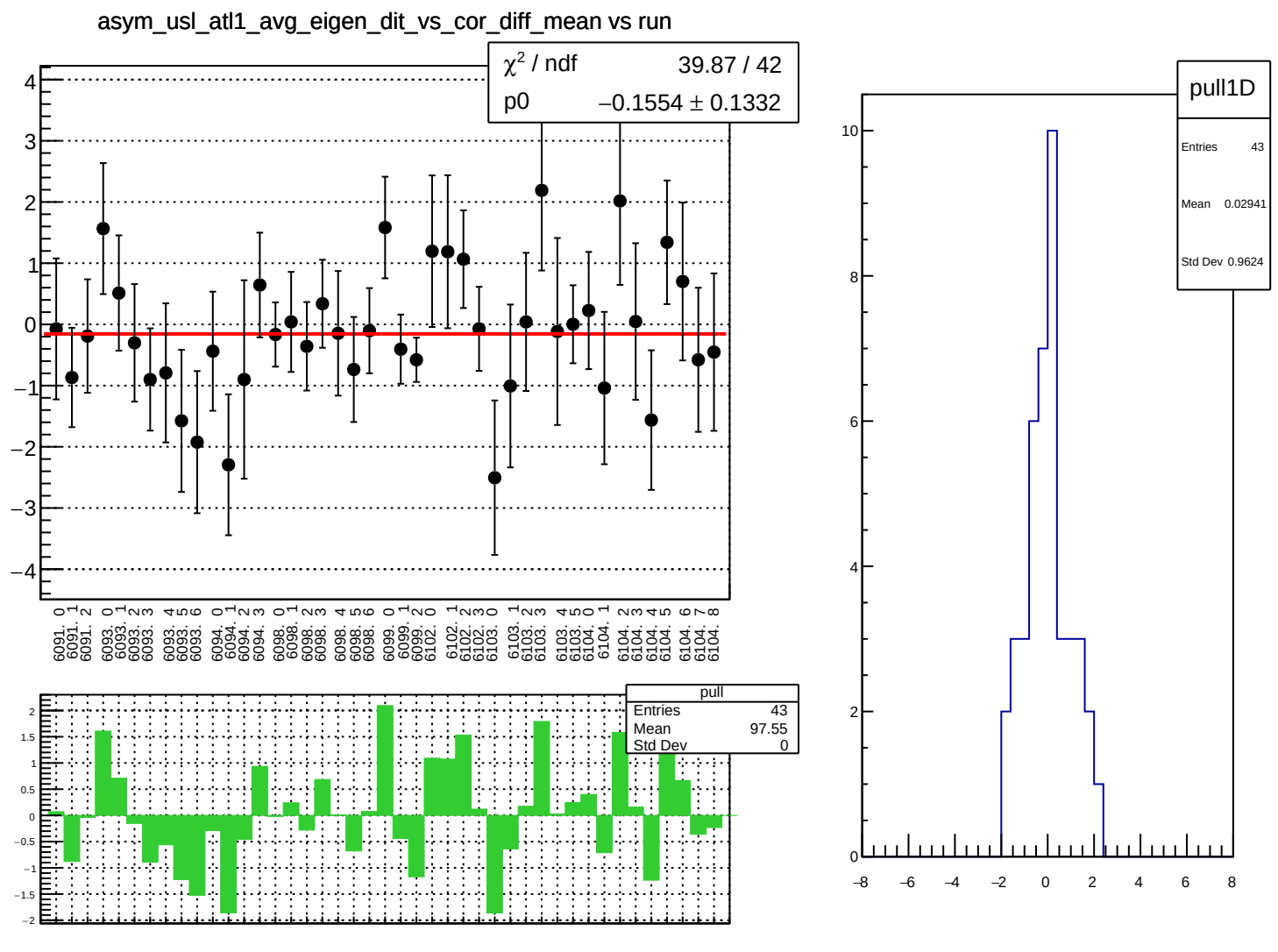
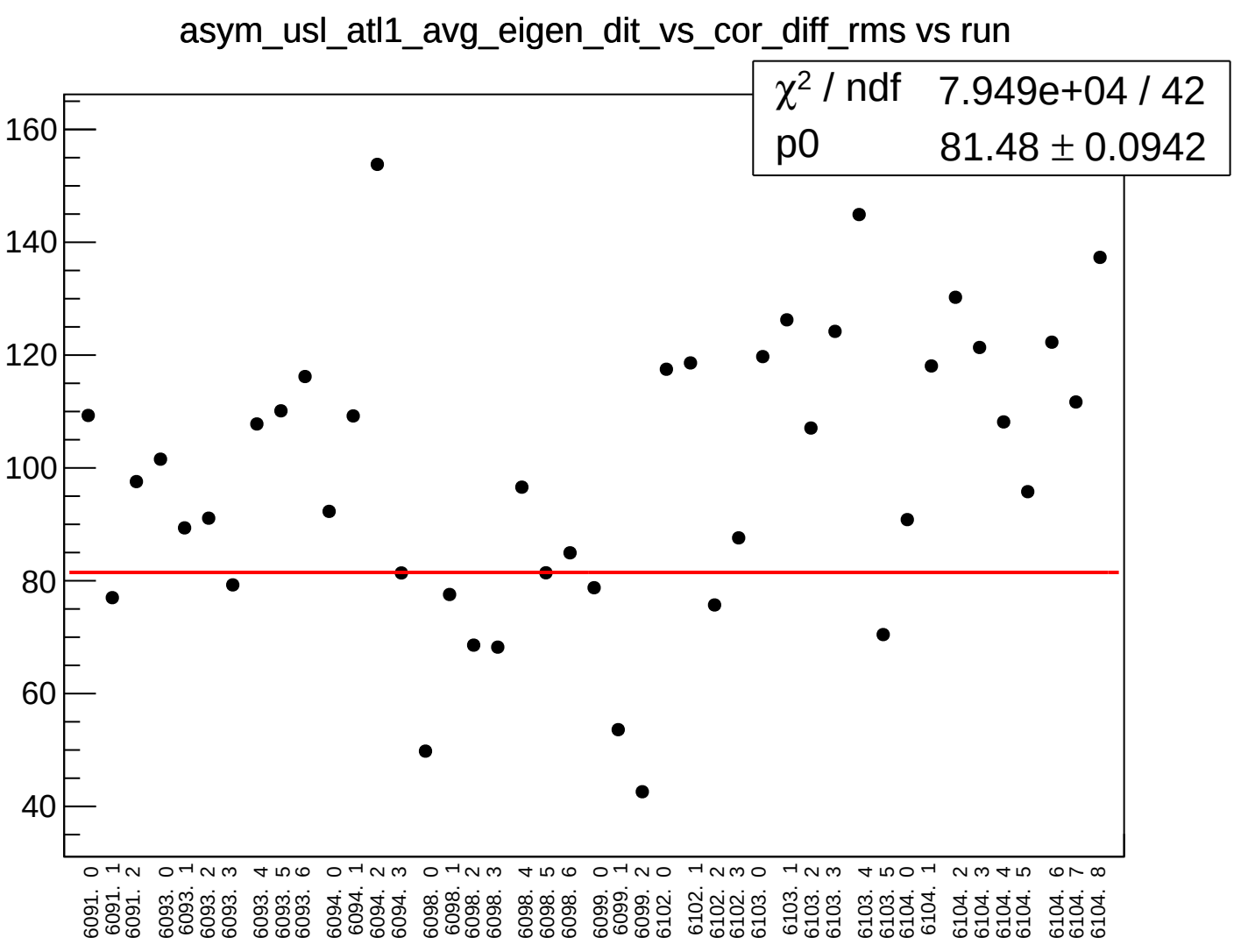
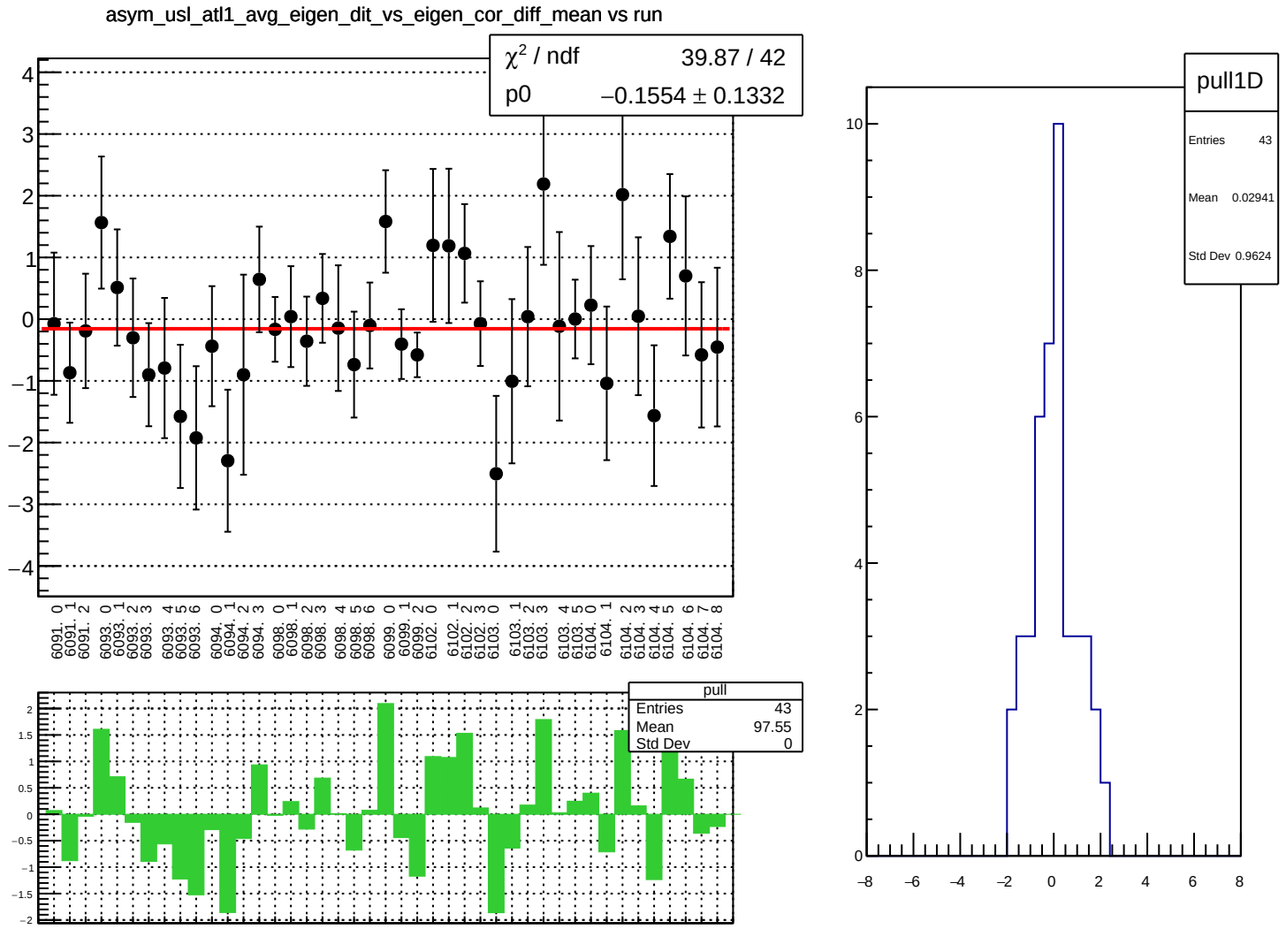
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

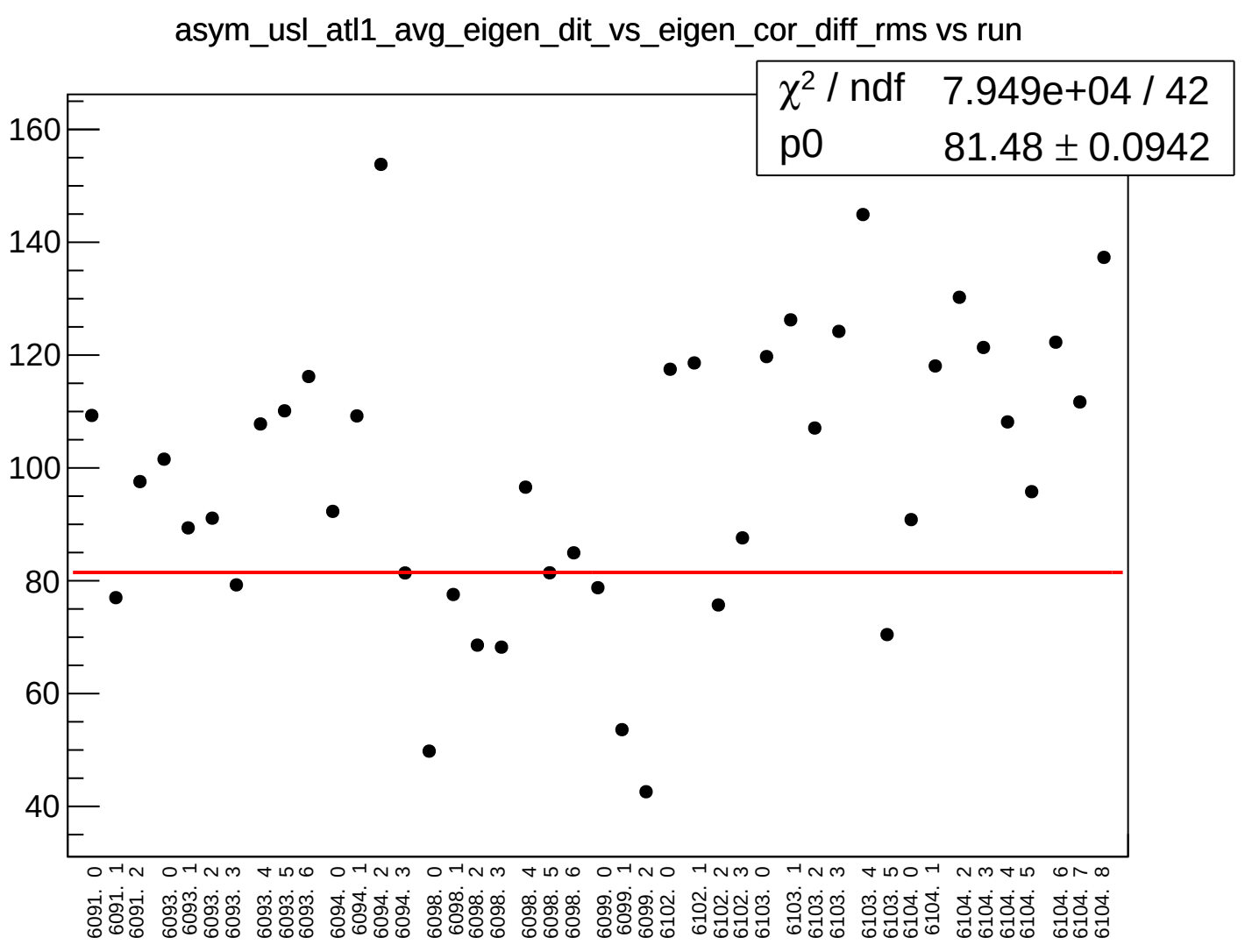

asym_usl_atl1_avg_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 38.04 / 42
p0 −8.941e−07 ± 2.849e−06
0.06
0.04
0.02
0
−0.02
−0.04
−0.06
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 44.56
Std Dev 0
2
1
0
−1
−2
pull1D
Entries 43
Mean −0.00492
Std Dev 0.9406
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

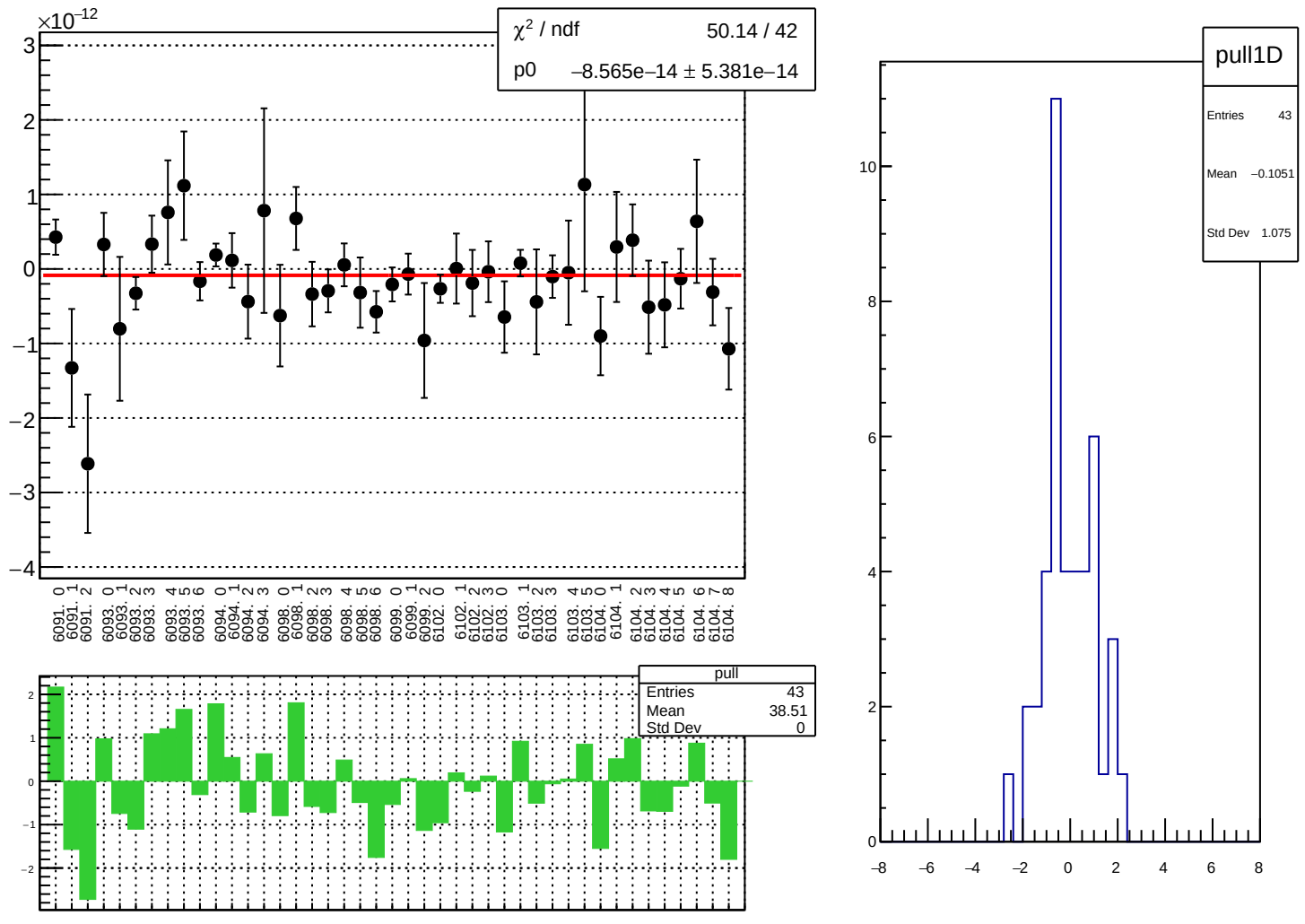

asym_usl_atl1_avg_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 4622 / 42
p0 0.001827 ± 2.014e−06
0.0021
0.002
0.0019
0.0018
0.0017
0.0016
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

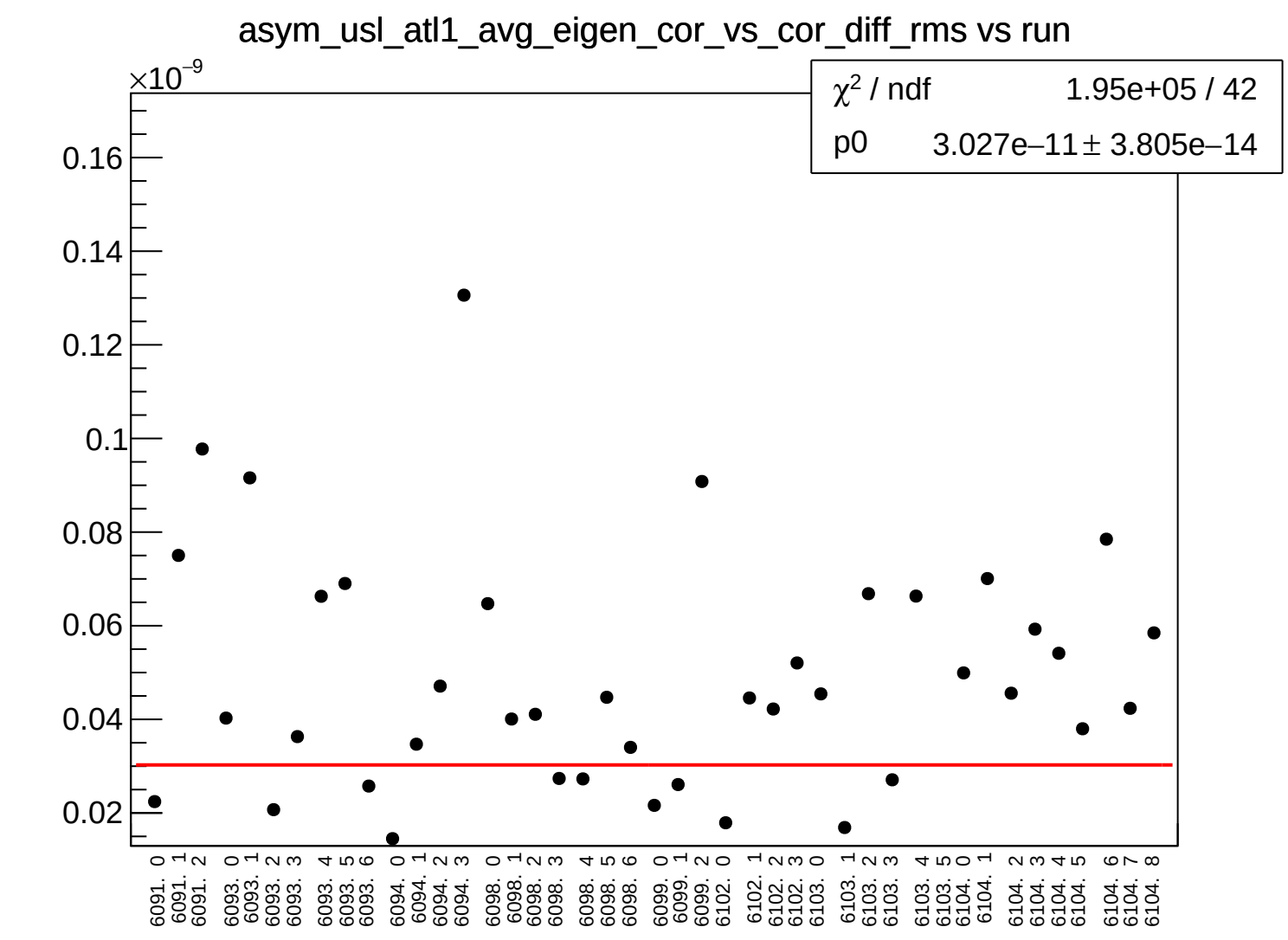

asym_usl_atl1_avg_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 39.87 / 42
p0 −0.1554 ± 0.1332
pull
Entries 43
Mean 97.55
Std Dev 0
pull1D
Entries 43
Mean 0.02941
Std Dev 0.9624

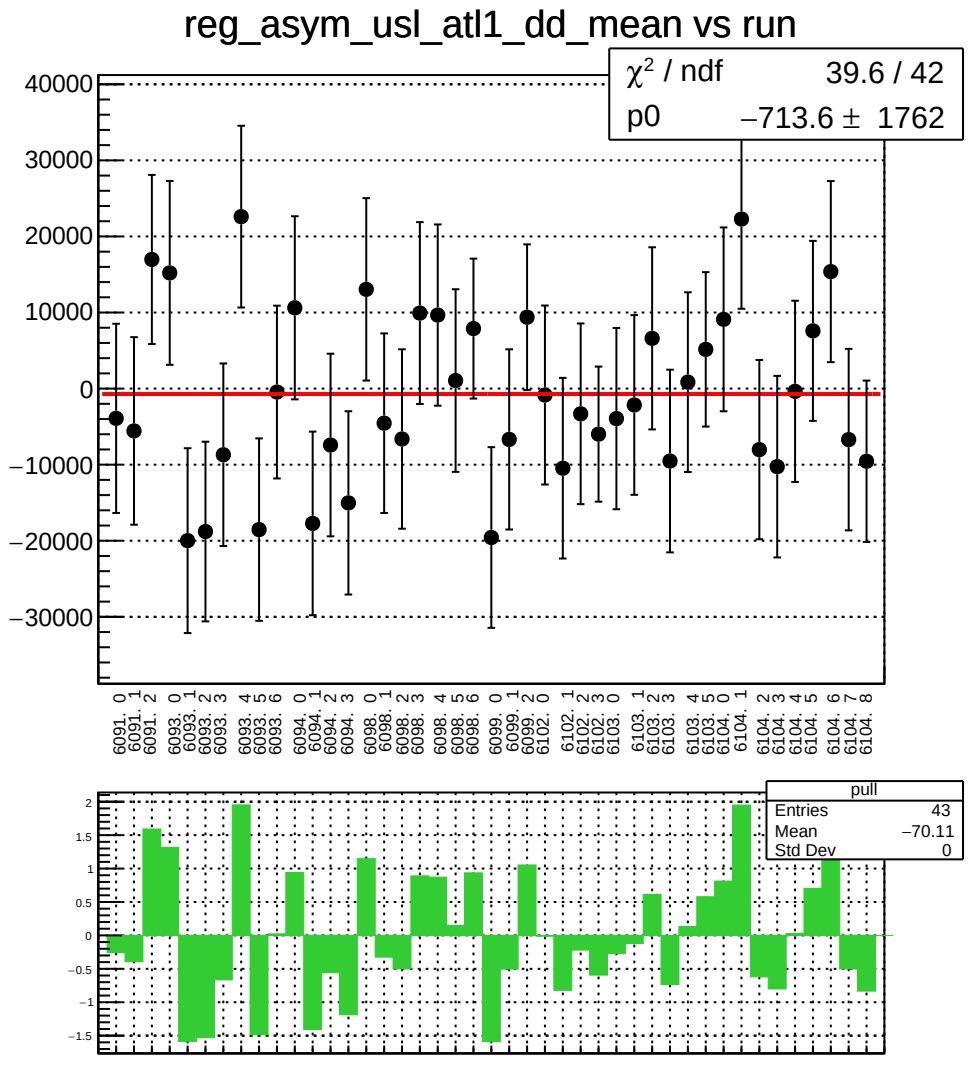

asym_usl_atl1_avg_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 7.949e+04 / 42
p0 81.48 ± 0.0942
160
140
120
100
80
60
40
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

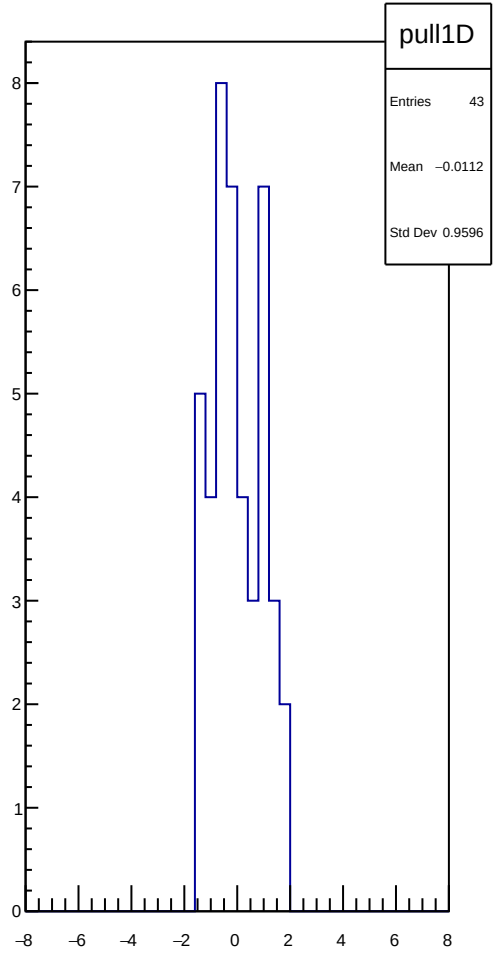

asym_usl_atl1_avg_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 39.87 / 42
p0 −0.1554 ± 0.1332
pull
Entries 43
Mean 97.55
Std Dev 0
pull1D
Entries 43
Mean 0.02941
Std Dev 0.9624

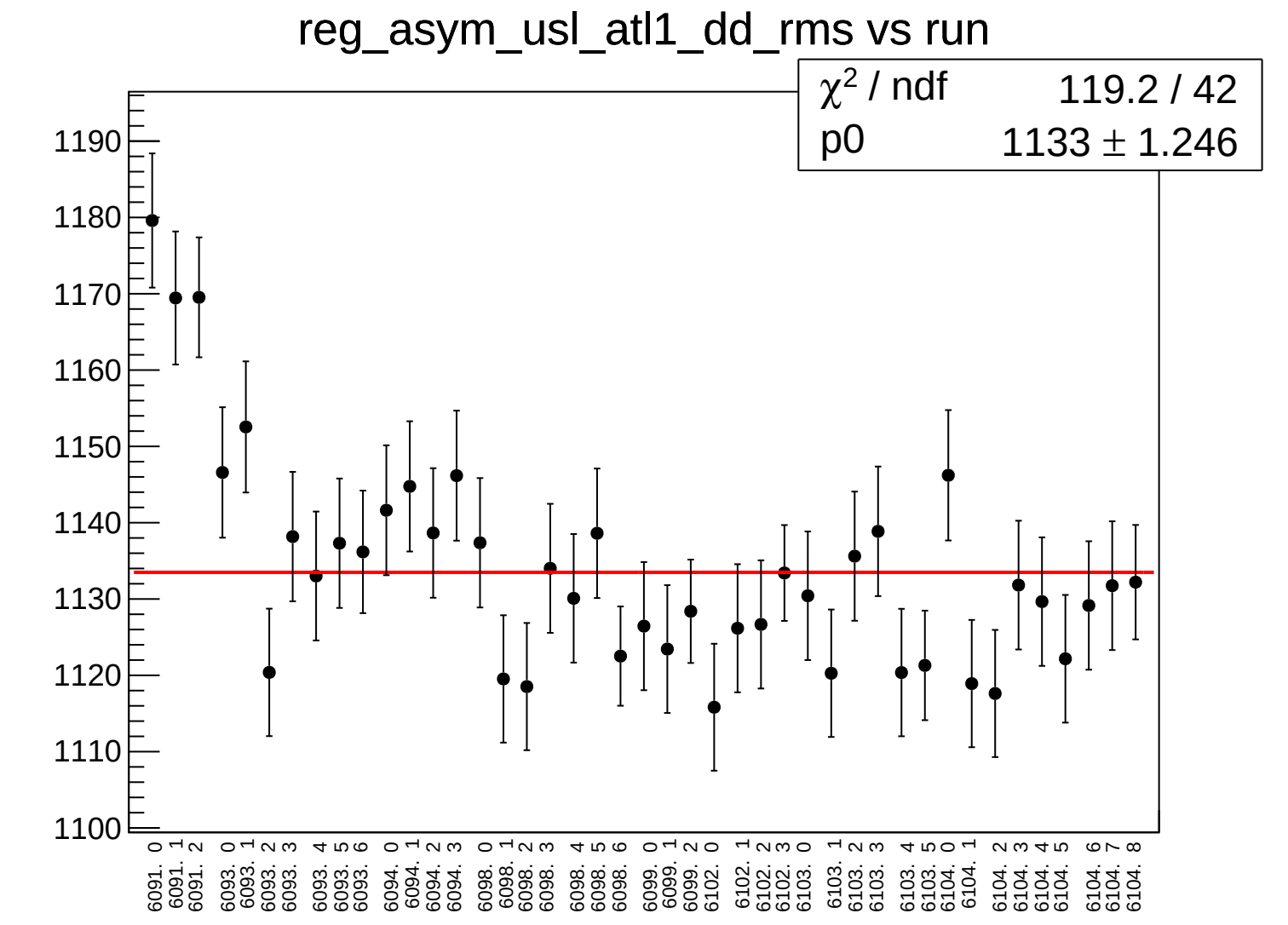

asym_usl_atl1_avg_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 7.949e+04 / 42
p0 81.48 ± 0.0942
160
140
120
100
80
60
40
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

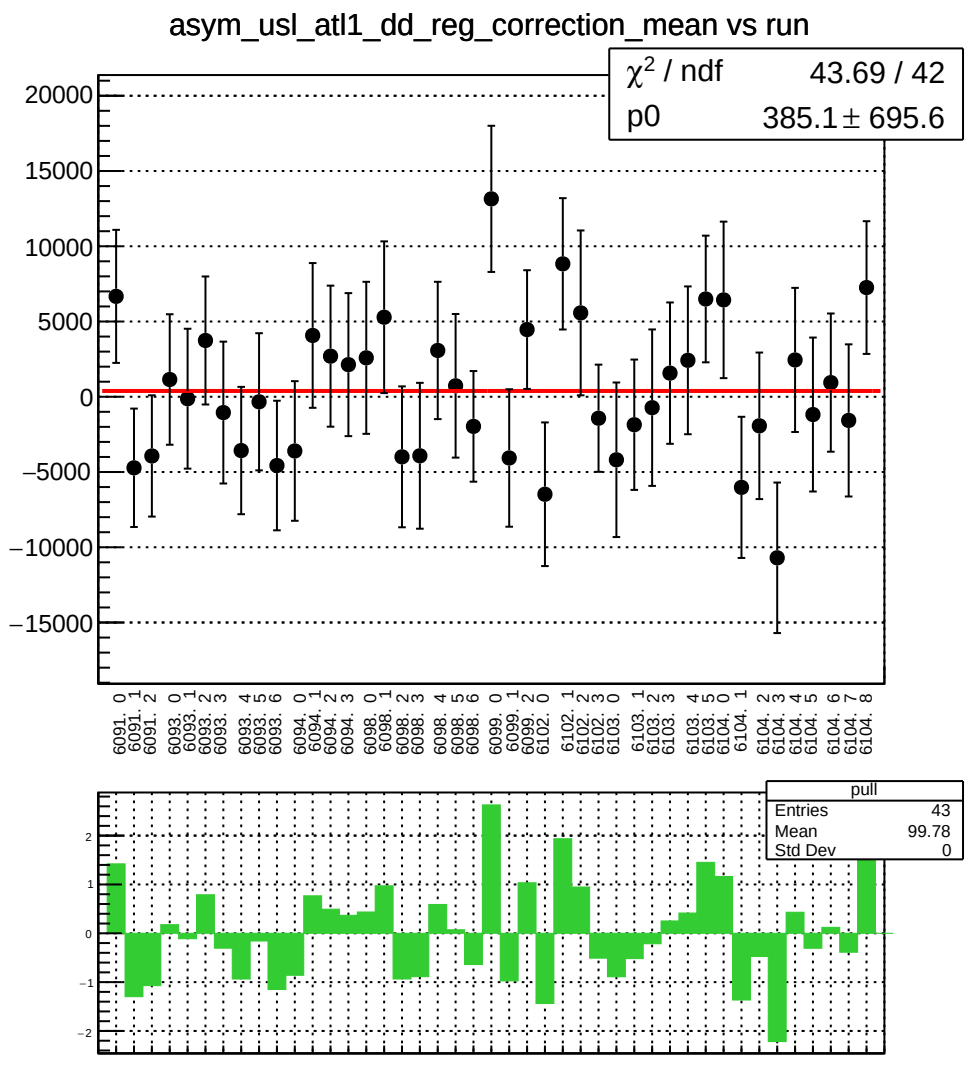

asym_usl_atl1_avg_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 50.14 / 42
p0 −8.565e−14 ± 5.381e−14
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 38.51
Std Dev 0
pull1D
Entries 43
Mean −0.1051
Std Dev 1.075

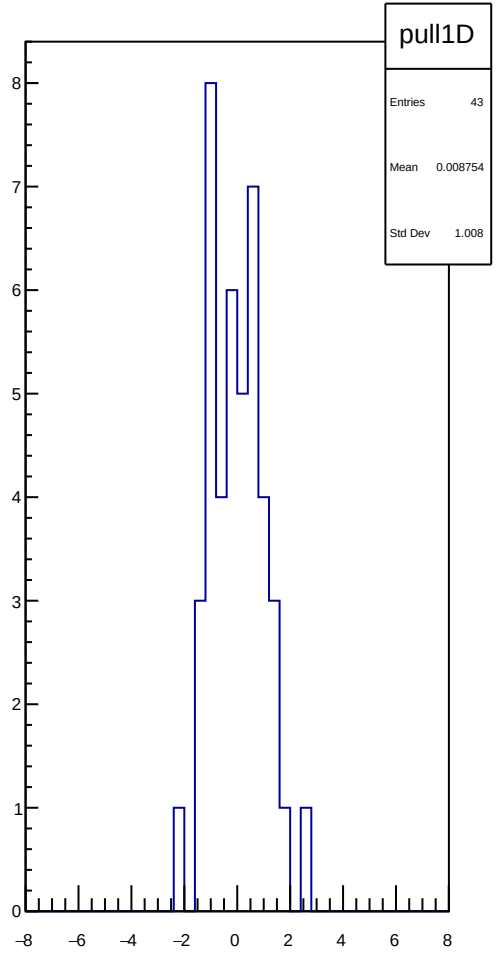

asym_usl_atl1_avg_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 1.95e+05 / 42
p0 3.027e−11 ± 3.805e−14
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

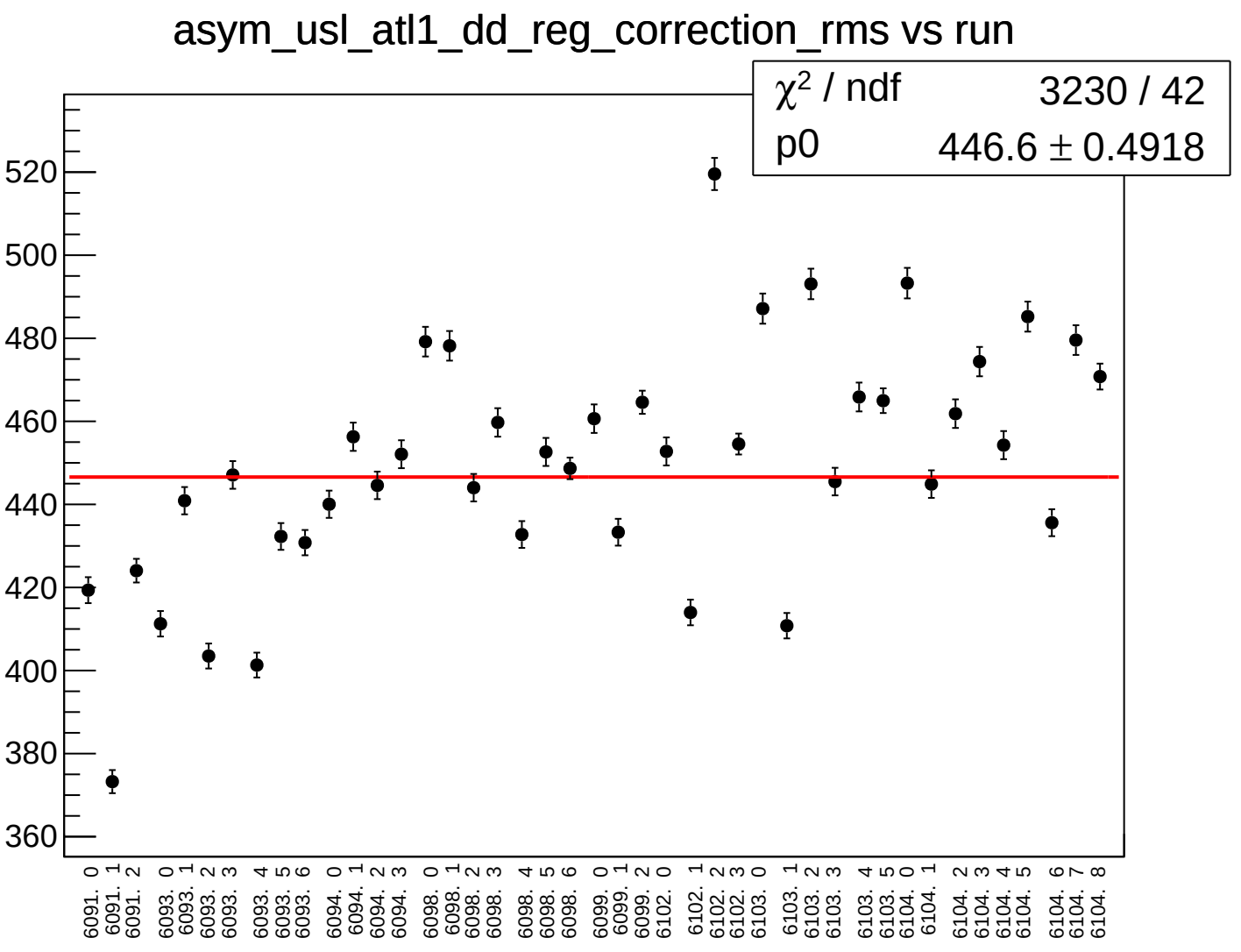

reg_asym_usl_atl1_dd_mean vs run
χ² / ndf 39.6 / 42
p0 −713.6 ± 1762
40000
30000
20000
10000
0
−10000
−20000
−30000
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean −70.11
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5

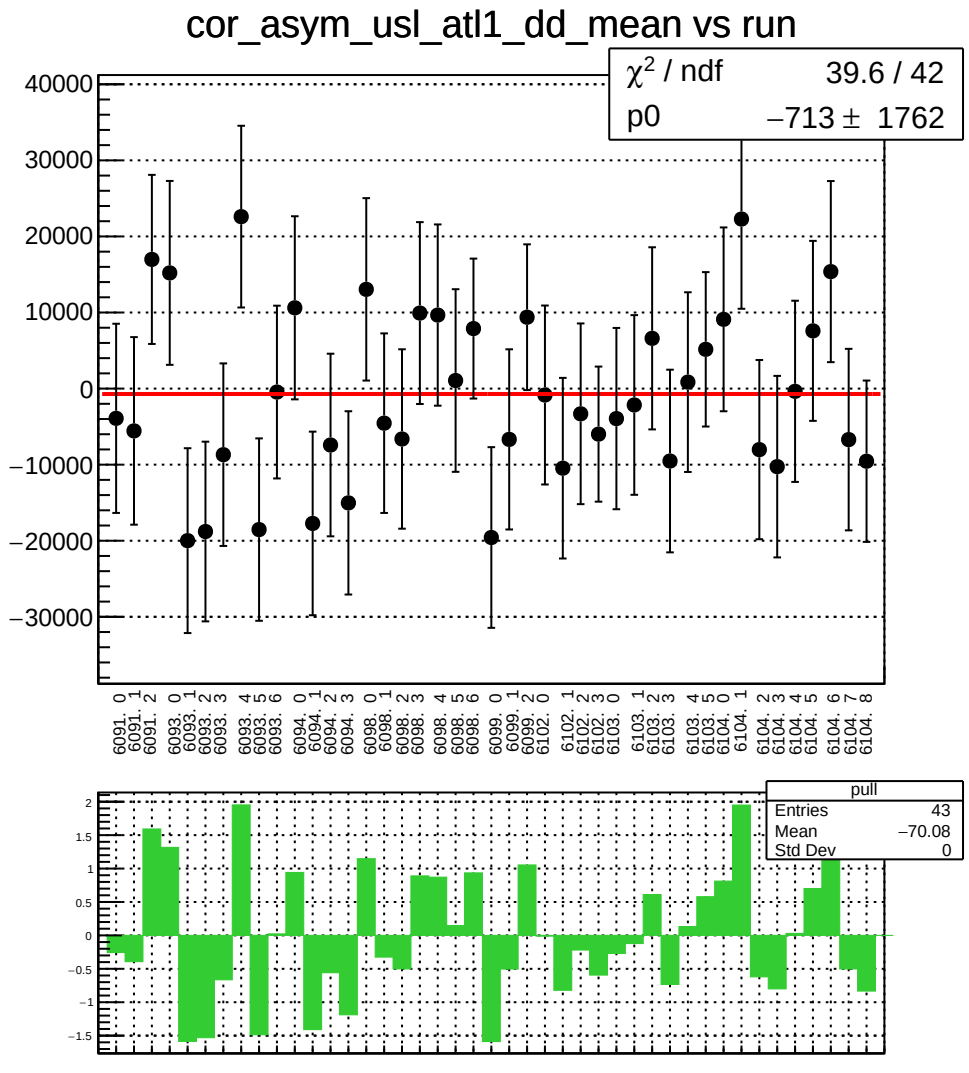

pull1D
Entries 43
Mean −0.0112
Std Dev 0.9596
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

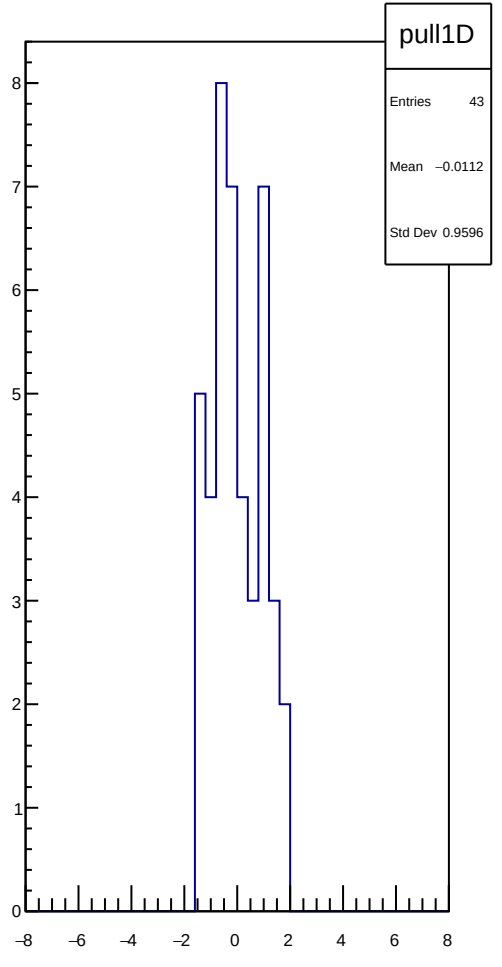

reg_asym_usl_atl1_dd_rms vs run
χ² / ndf 119.2 / 42
p0 1133 ± 1.246
1190
1180
1170
1160
1150
1140
1130
1120
1110
1100
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

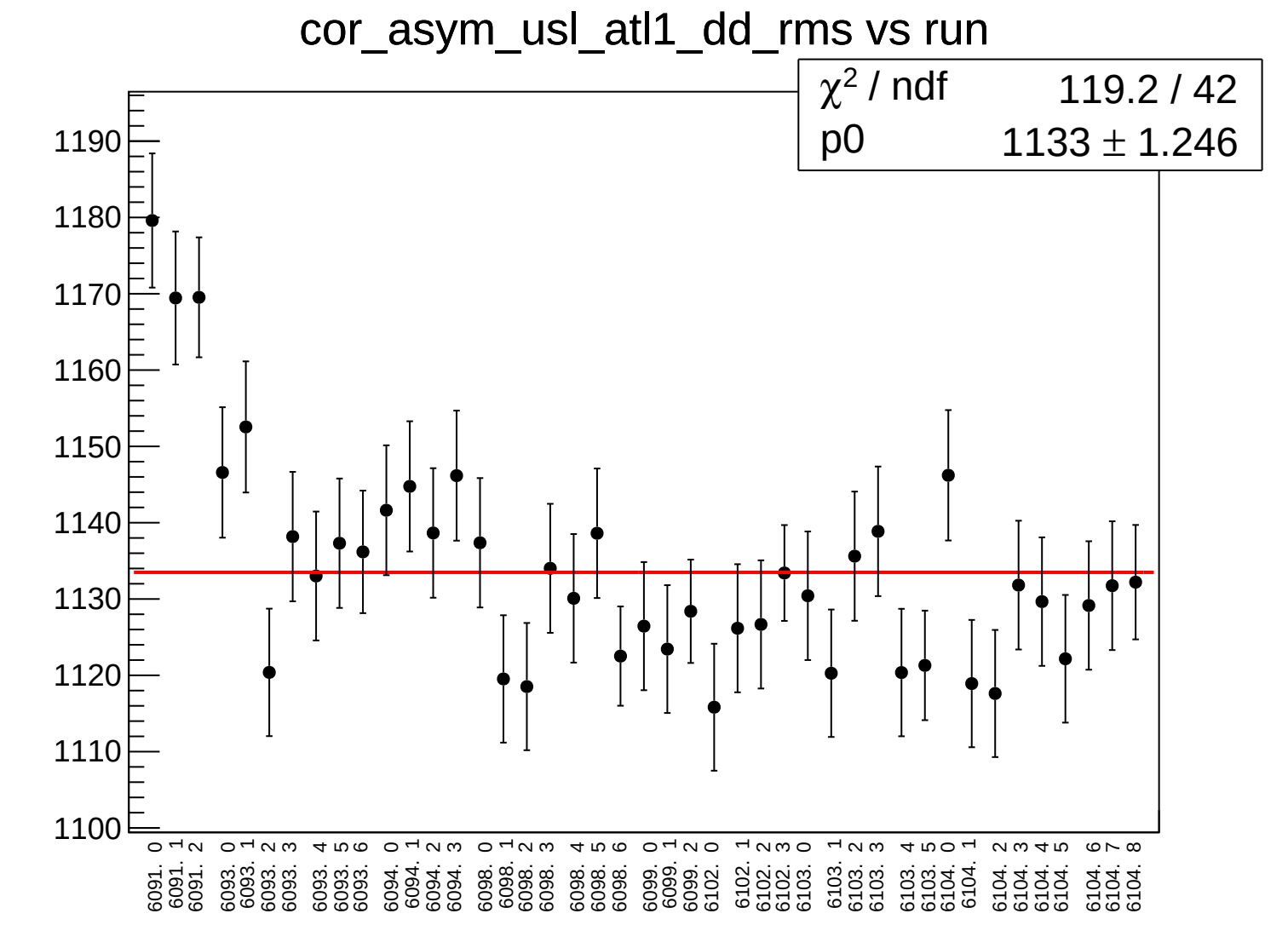

asym_usl_atl1_dd_reg_correction_mean vs run
χ² / ndf 43.69 / 42
p0 385.1 ± 695.6
20000
15000
10000
5000
0
−5000
−10000
−15000
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 99.78
Std Dev 0
2
1
0
−1
−2

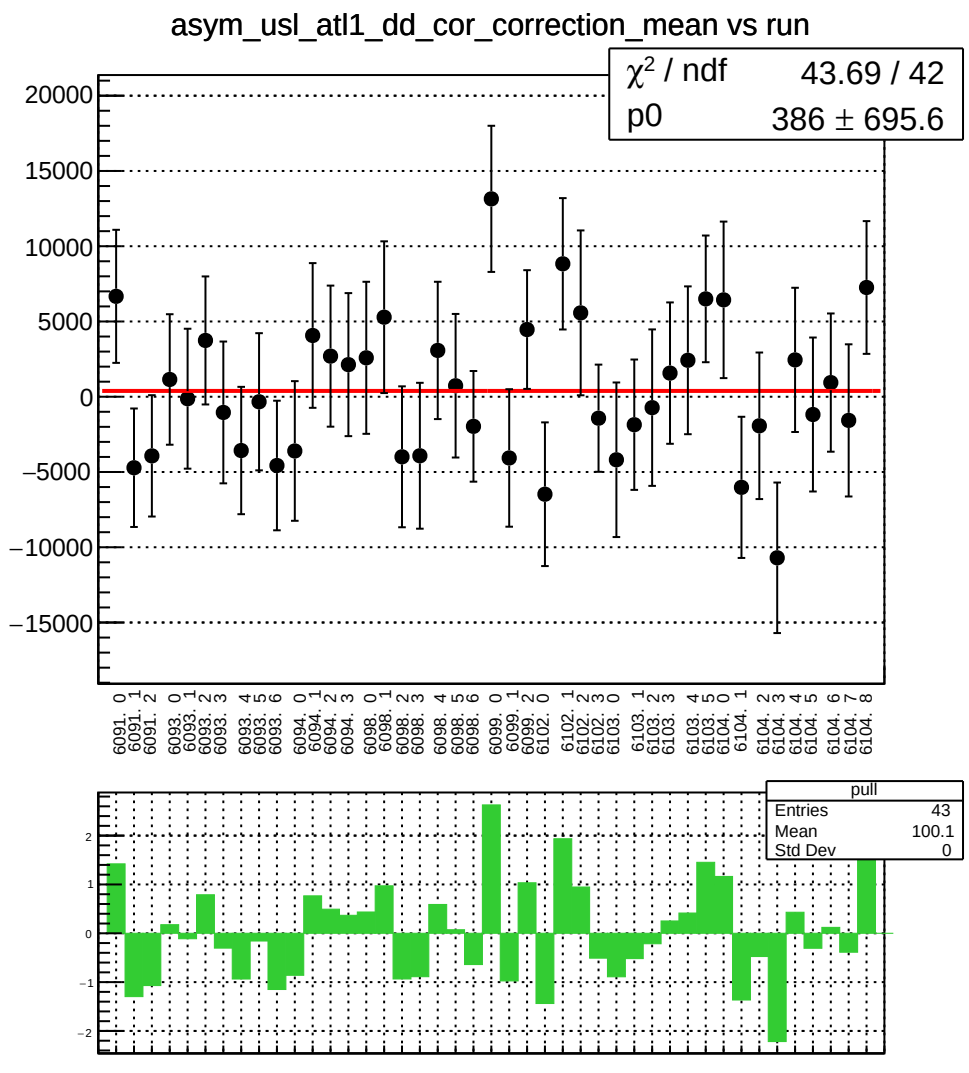

pull1D
Entries 43
Mean 0.008754
Std Dev 1.008
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

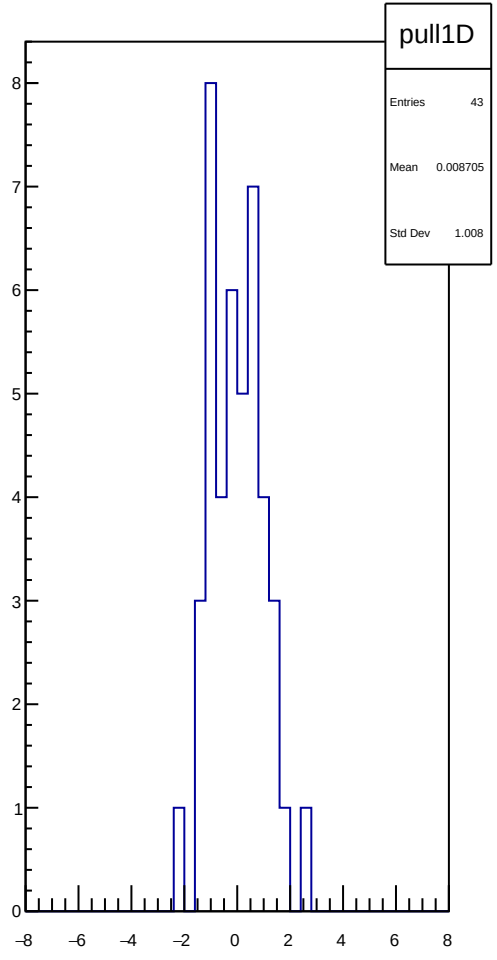

asym_usl_atl1_dd_reg_correction_rms vs run
χ² / ndf 3230 / 42
p0 446.6 ± 0.4918
520
500
480
460
440
420
400
380
360
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

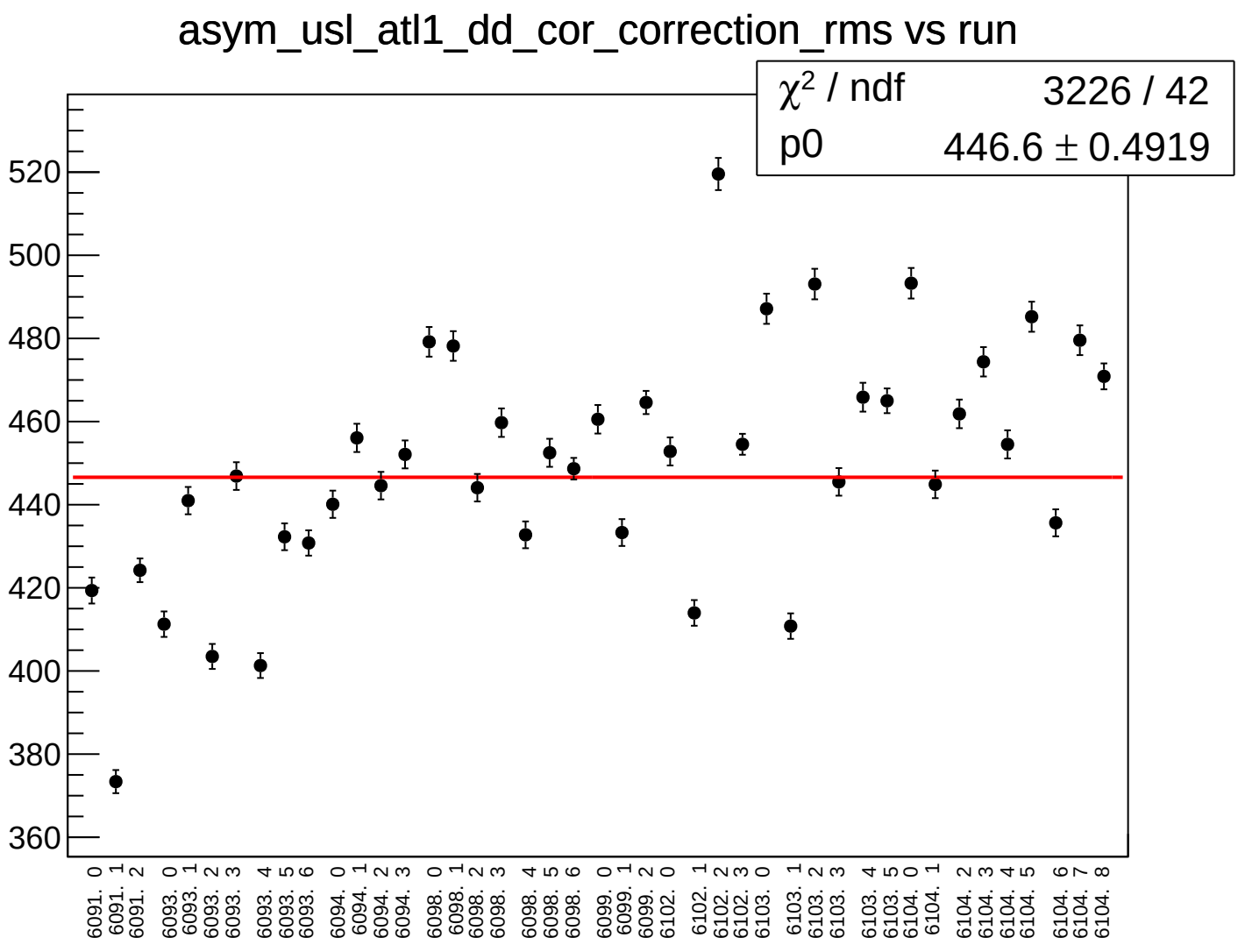

cor_asym_usl_atl1_dd_mean vs run
χ² / ndf 39.6 / 42
p0 −713 ± 1762
40000
30000
20000
10000
0
−10000
−20000
−30000
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean −70.08
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5

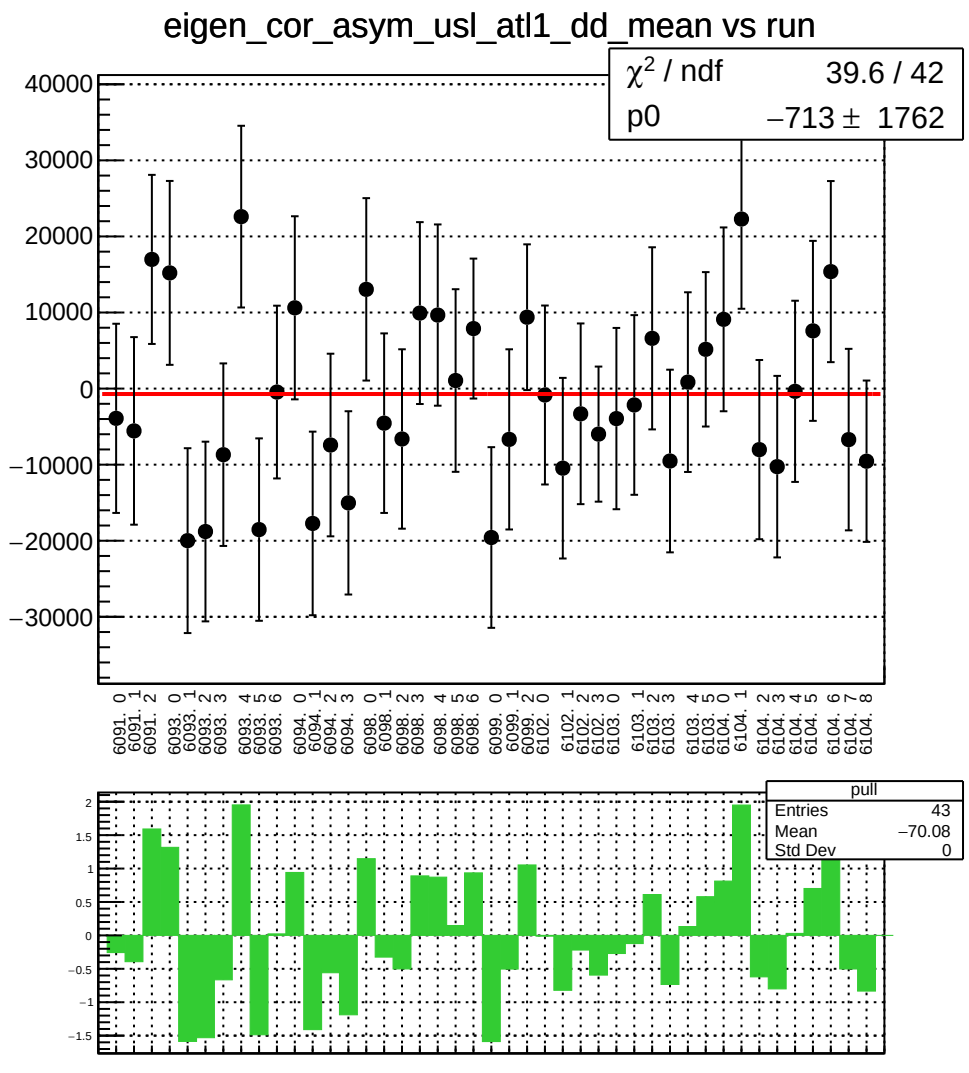

pull1D
Entries 43
Mean −0.0112
Std Dev 0.9596
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

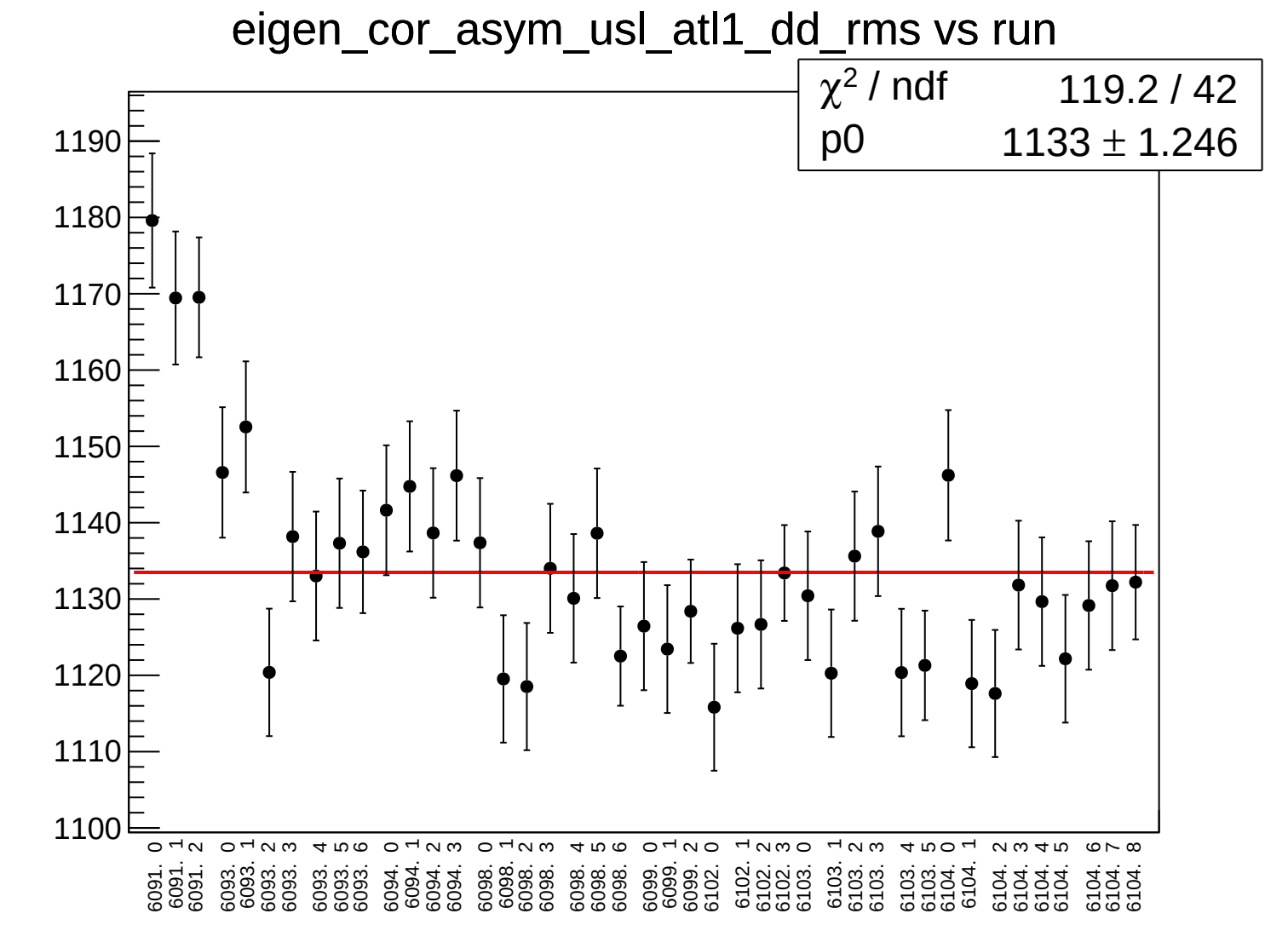

cor_asym_usl_atl1_dd_rms vs run
χ^2 / ndf 119.2 / 42
p0 1133 ± 1.246
1190
1180
1170
1160
1150
1140
1130
1120
1110
1100
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

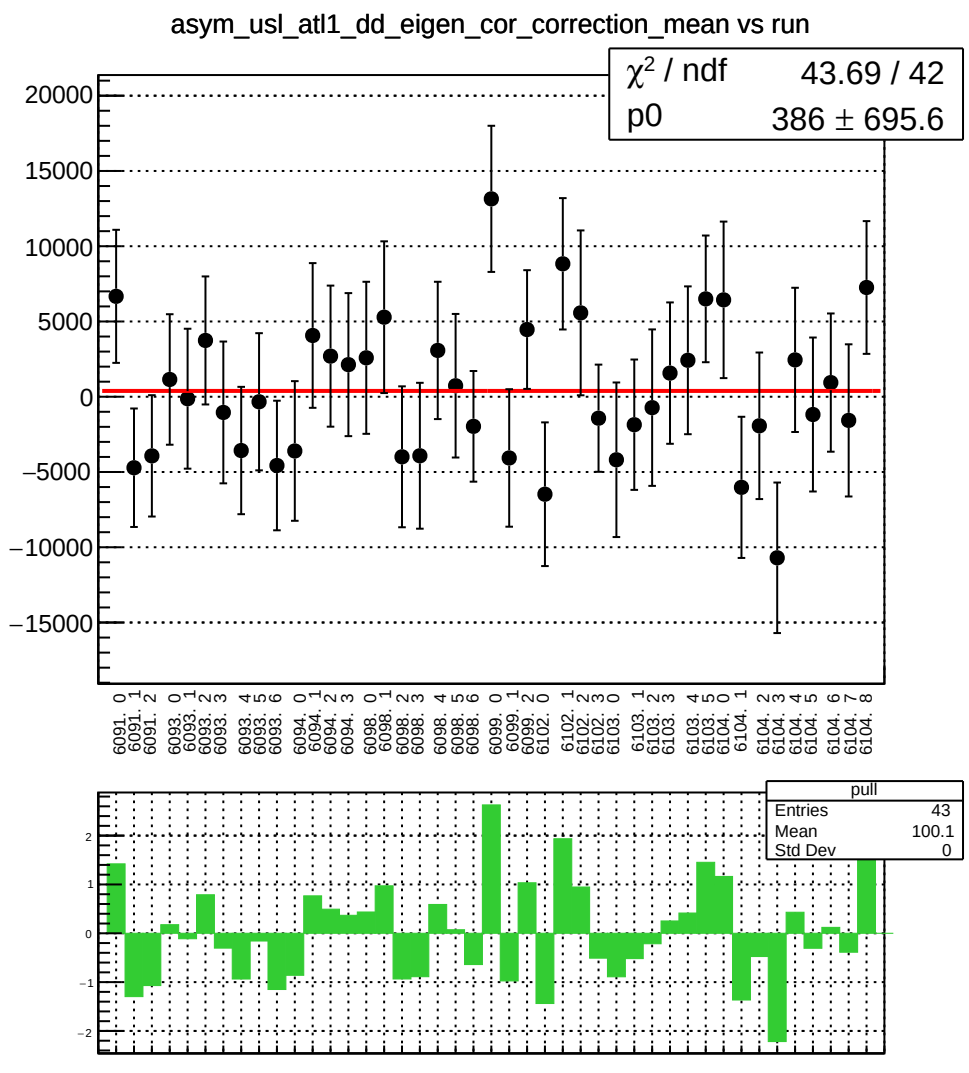

asym_usl_atl1_dd_cor_correction_mean vs run
χ² / ndf 43.69 / 42
p0 386 ± 695.6
20000
15000
10000
5000
0
−5000
−10000
−15000
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 100.1
Std Dev 0
2
1
0
−1
−2

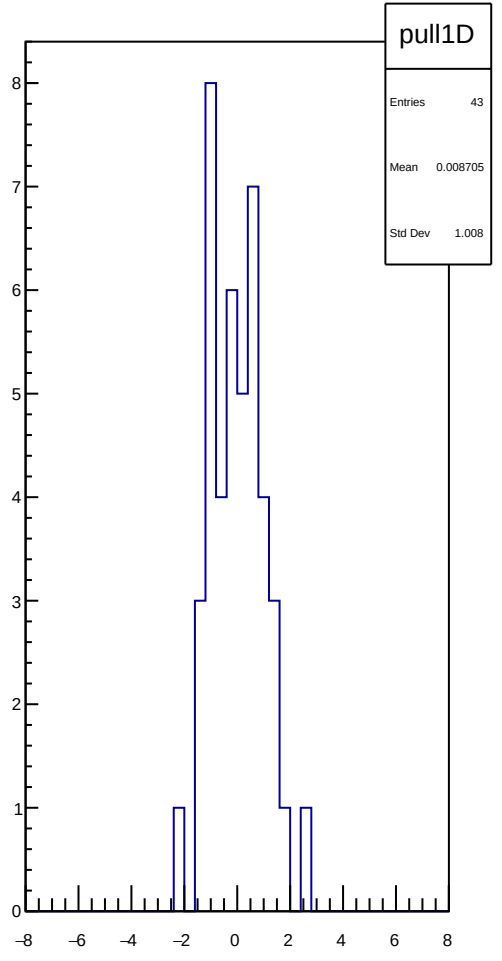

pull1D
Entries 43
Mean 0.008705
Std Dev 1.008
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

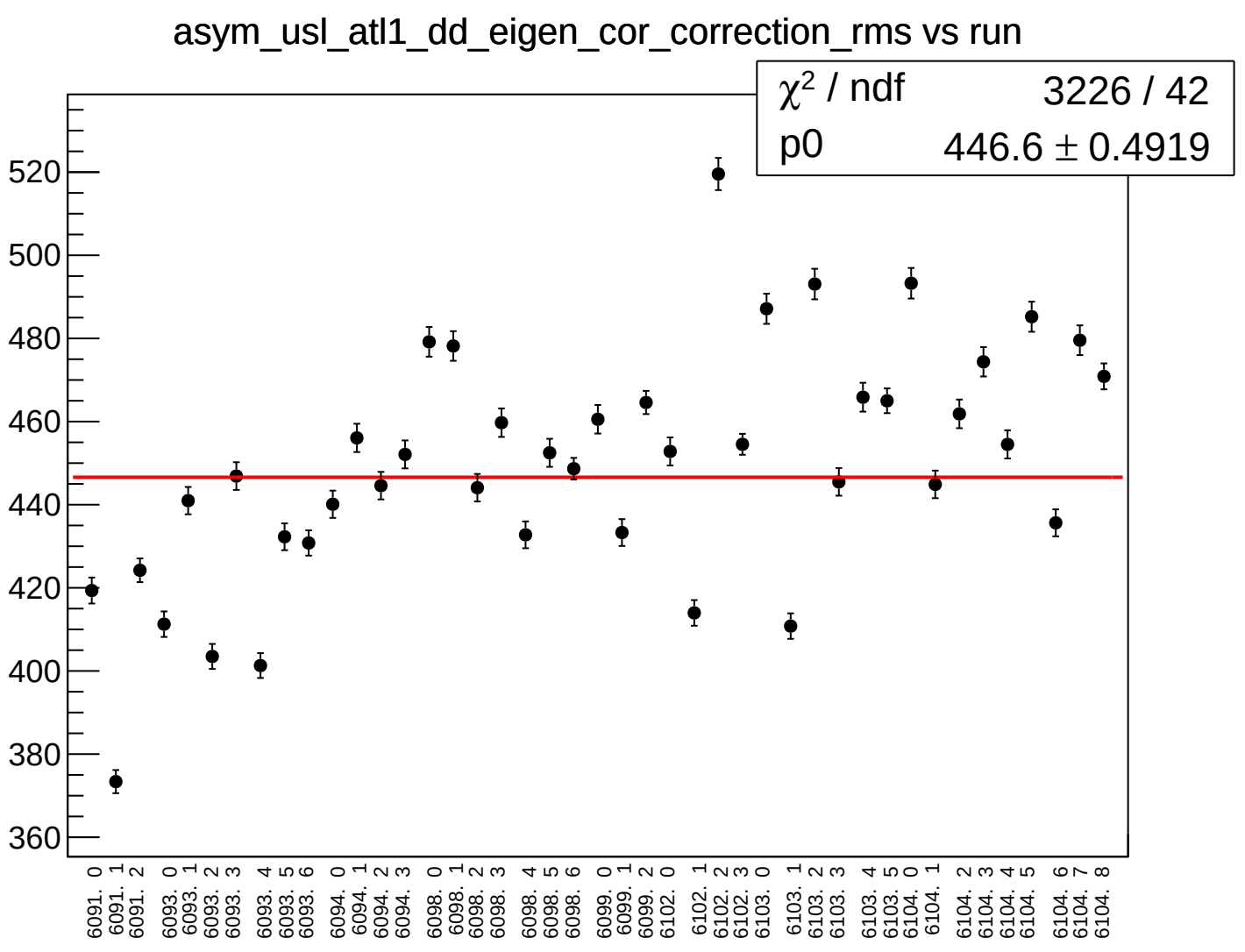

asym_usl_atl1_dd_cor_correction_rms vs run
χ² / ndf 3226 / 42
p0 446.6 ± 0.4919
520
500
480
460
440
420
400
380
360
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

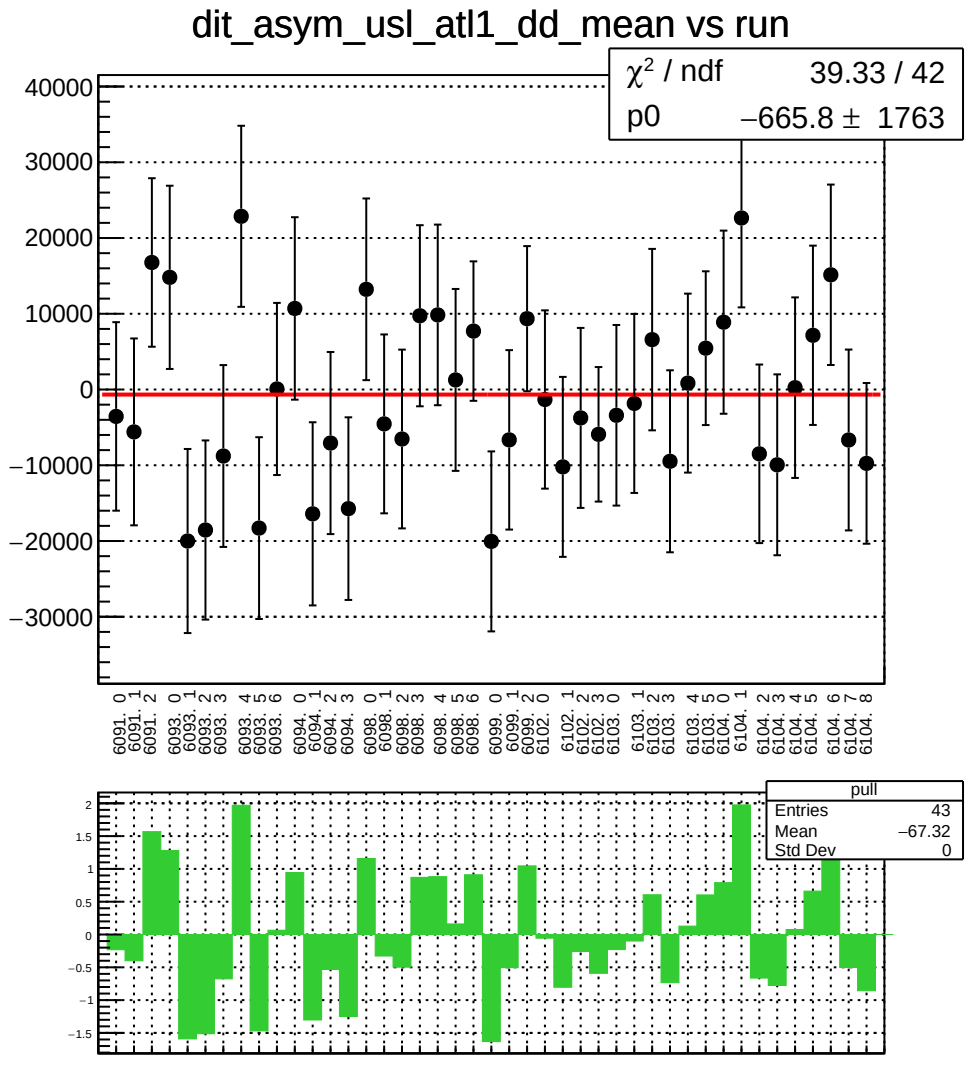

eigen_cor_asym_usl_atl1_dd_mean vs run
χ² / ndf 39.6 / 42
p0 −713 ± 1762
40000
30000
20000
10000
0
−10000
−20000
−30000
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean −70.08
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 43
Mean −0.0112
Std Dev 0.9596
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

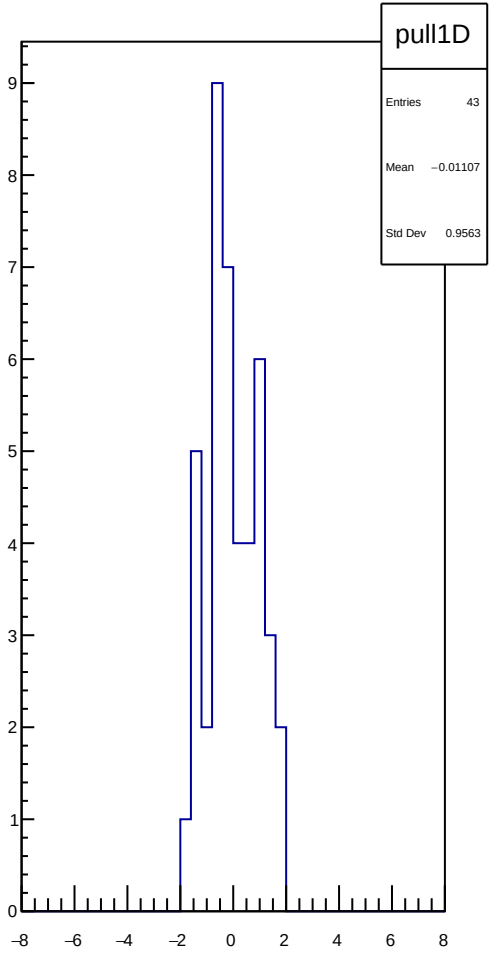

eigen_cor_asym_usl_atl1_dd_rms vs run
χ² / ndf 119.2 / 42
p0 1133 ± 1.246
1190
1180
1170
1160
1150
1140
1130
1120
1110
1100
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

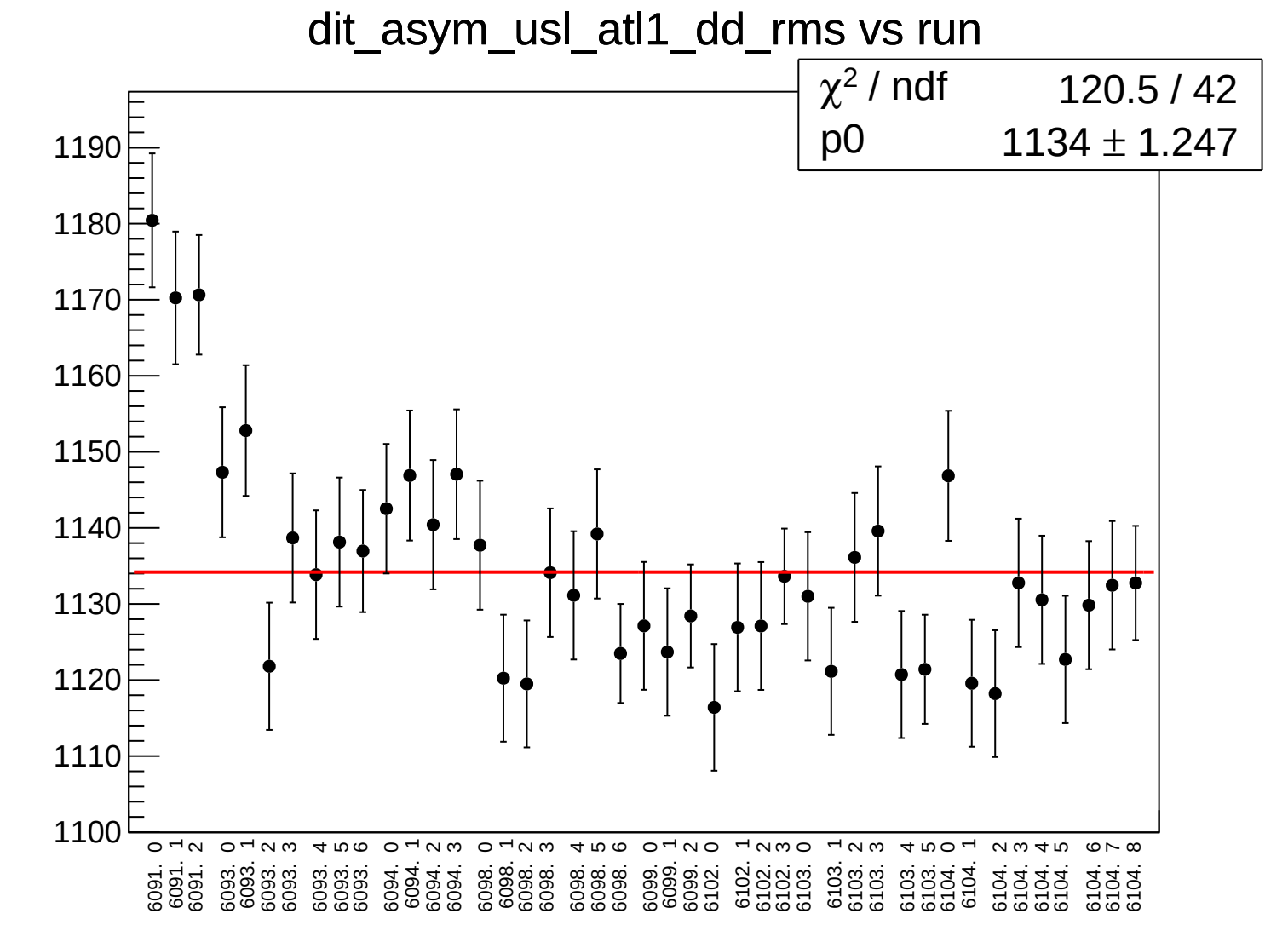

asym_usl_atl1_dd_eigen_cor_correction_mean vs run
χ² / ndf 43.69 / 42
p0 386 ± 695.6
20000
15000
10000
5000
0
−5000
−10000
−15000
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 100.1
Std Dev 0
2
1
0
−1
−2

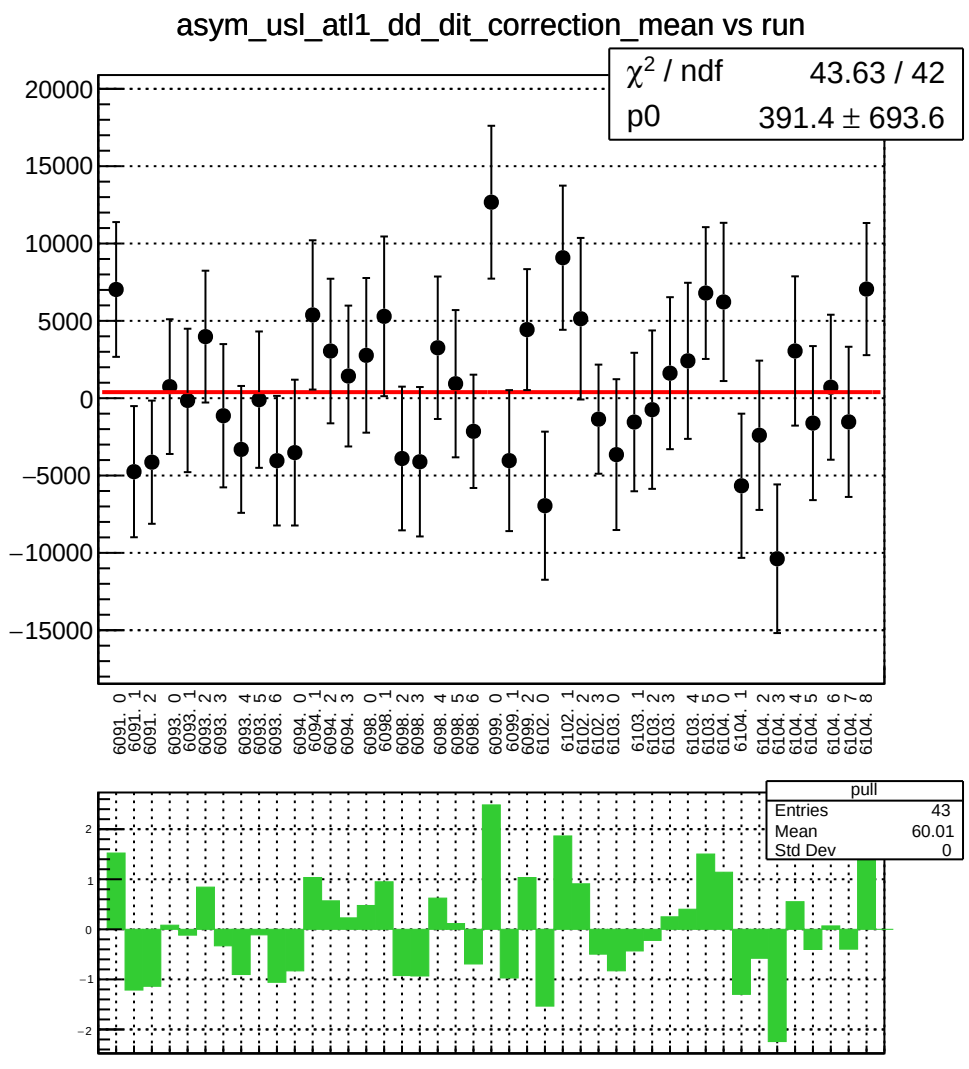

pull1D
Entries 43
Mean 0.008705
Std Dev 1.008
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

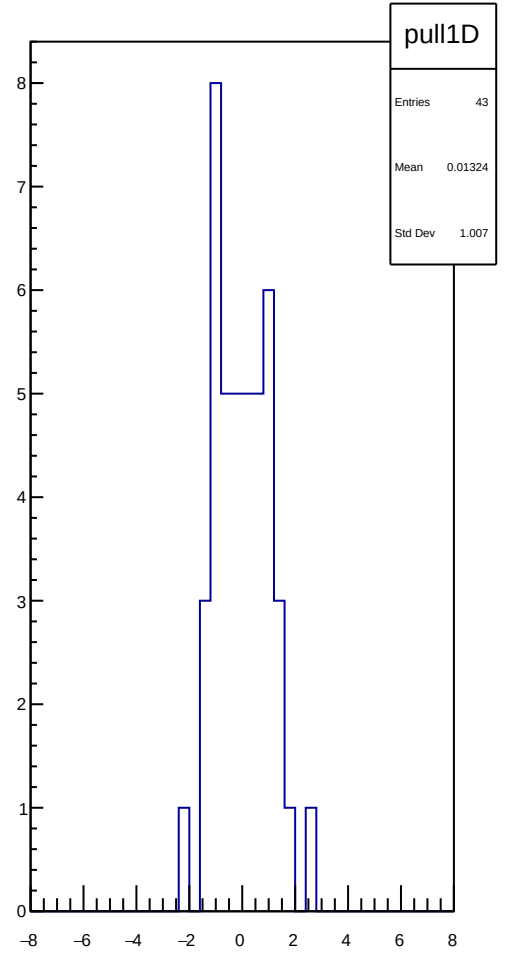

asym_usl_atl1_dd_eigen_cor_correction_rms vs run
χ² / ndf 3226 / 42
p0 446.6 ± 0.4919
520
500
480
460
440
420
400
380
360
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

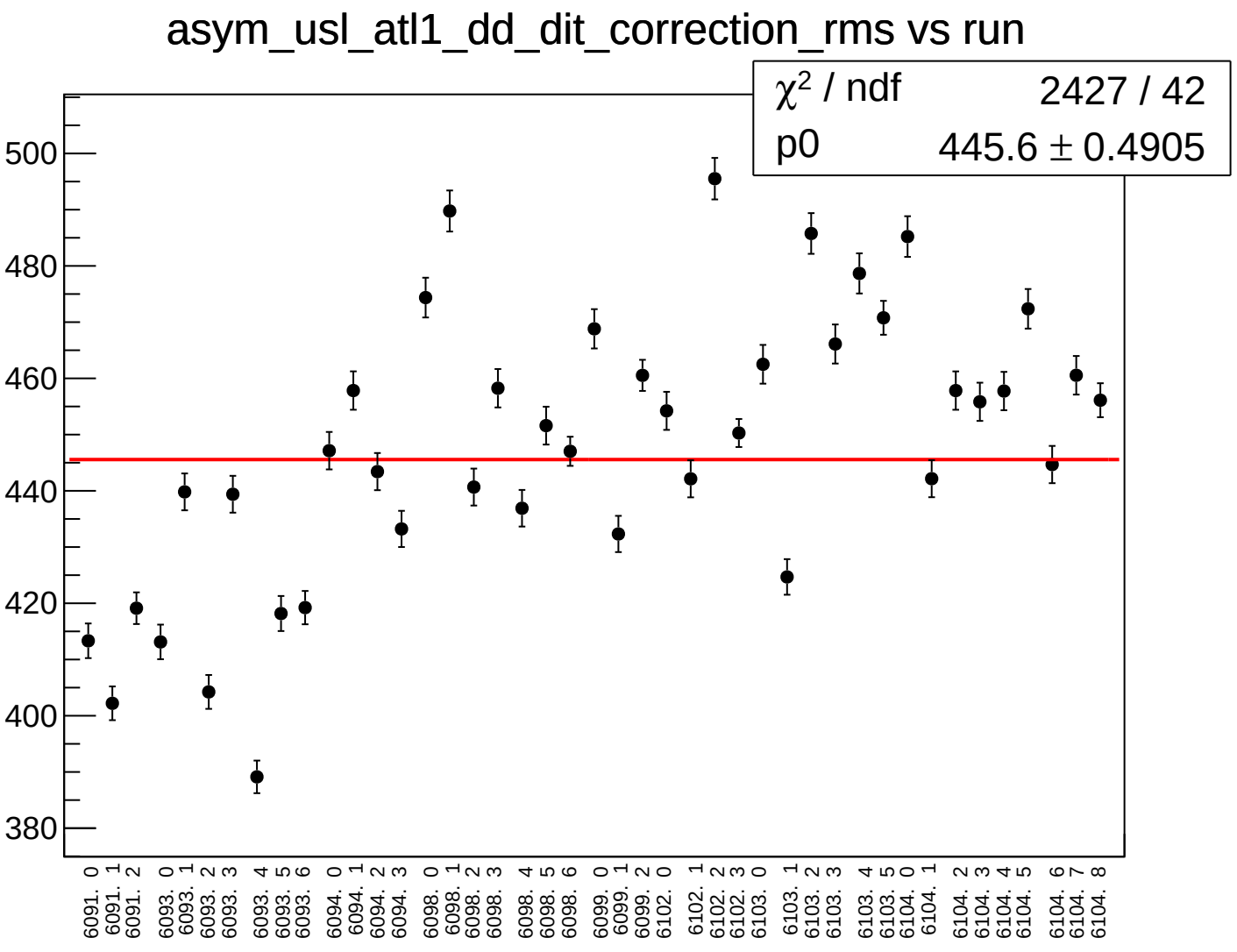

dit_asym_usl_atl1_dd_mean vs run
χ² / ndf 39.33 / 42
p0 −665.8 ± 1763
40000
30000
20000
10000
0
−10000
−20000
−30000
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean −67.32
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5

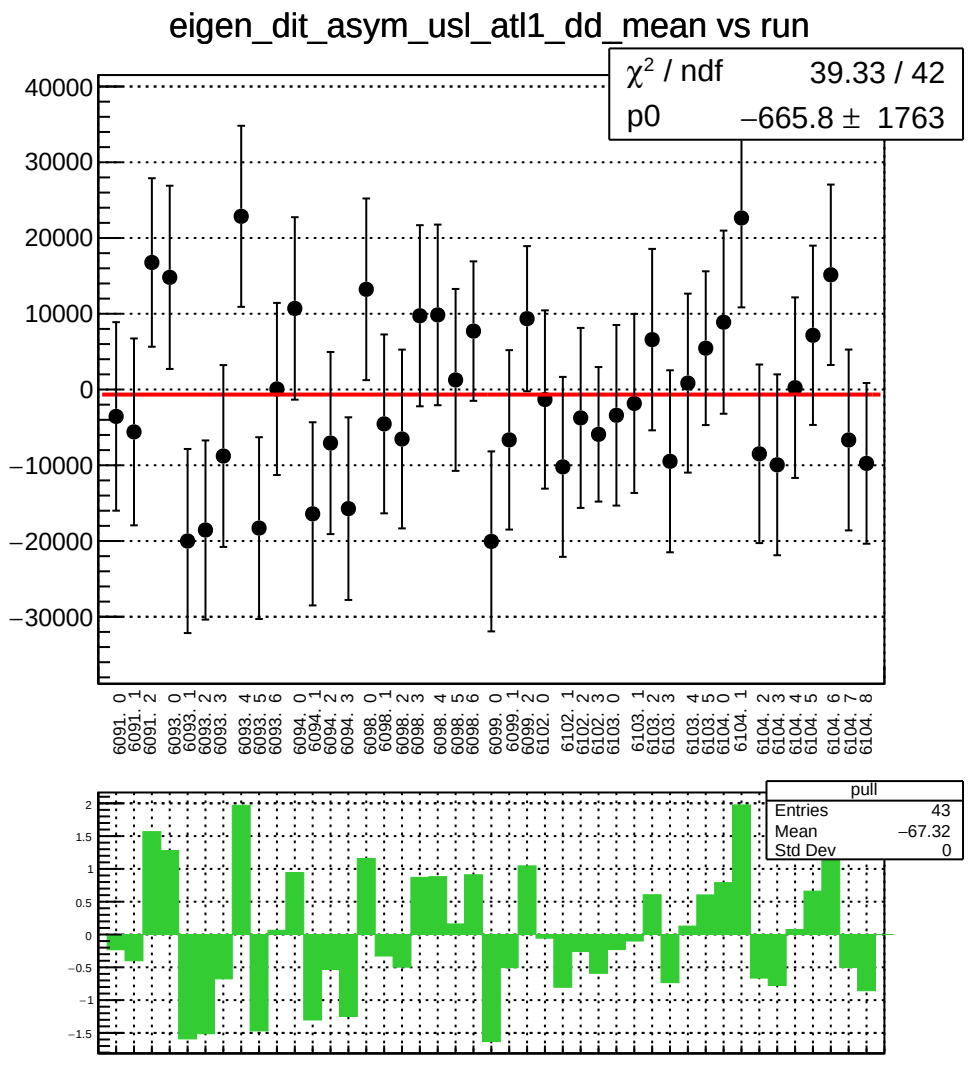

pull1D
Entries 43
Mean −0.01107
Std Dev 0.9563
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

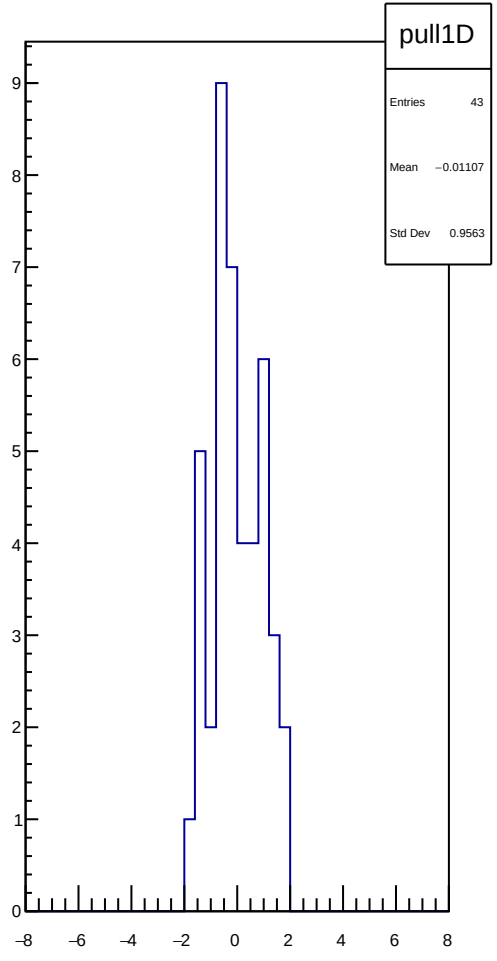

dit_asym_usl_atl1_dd_rms vs run
χ² / ndf 120.5 / 42
p0 1134 ± 1.247
1190
1180
1170
1160
1150
1140
1130
1120
1110
1100
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

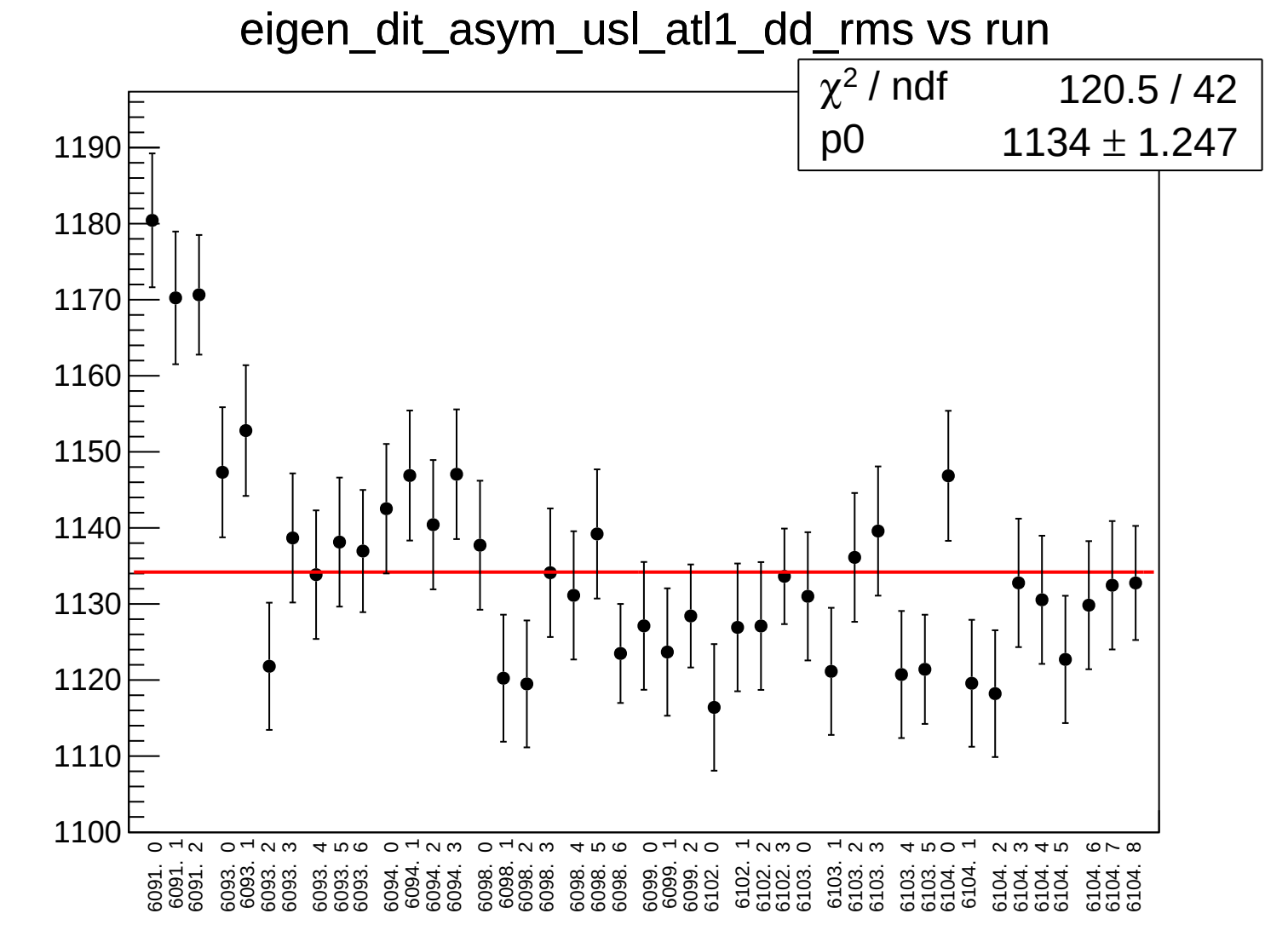

asym_usl_atl1_dd_dit_correction_mean vs run
χ² / ndf 43.63 / 42
p0 391.4 ± 693.6
20000
15000
10000
5000
0
−5000
−10000
−15000
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 60.01
Std Dev 0
2
1
0
−1
−2

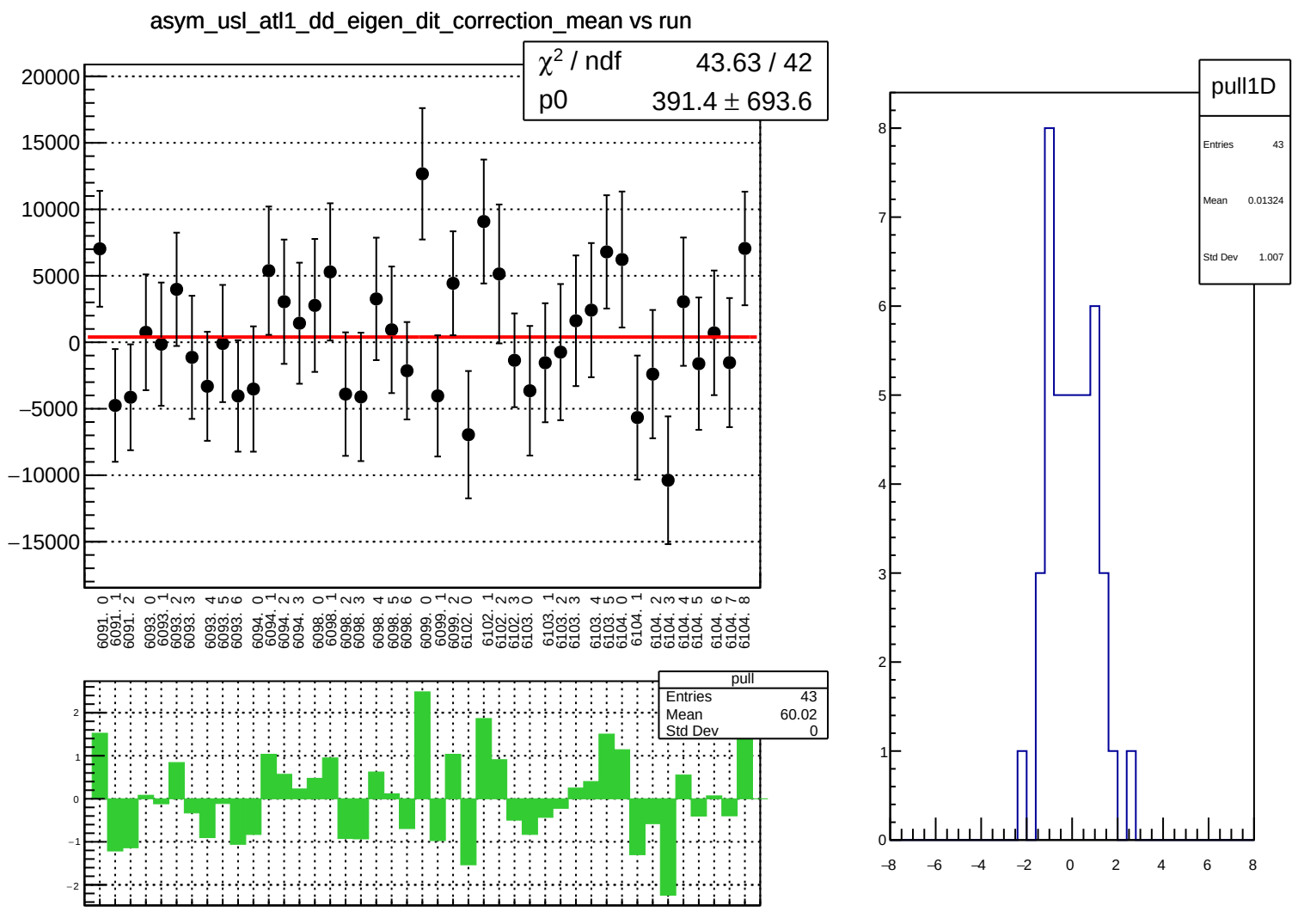

pull1D
Entries 43
Mean 0.01324
Std Dev 1.007
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

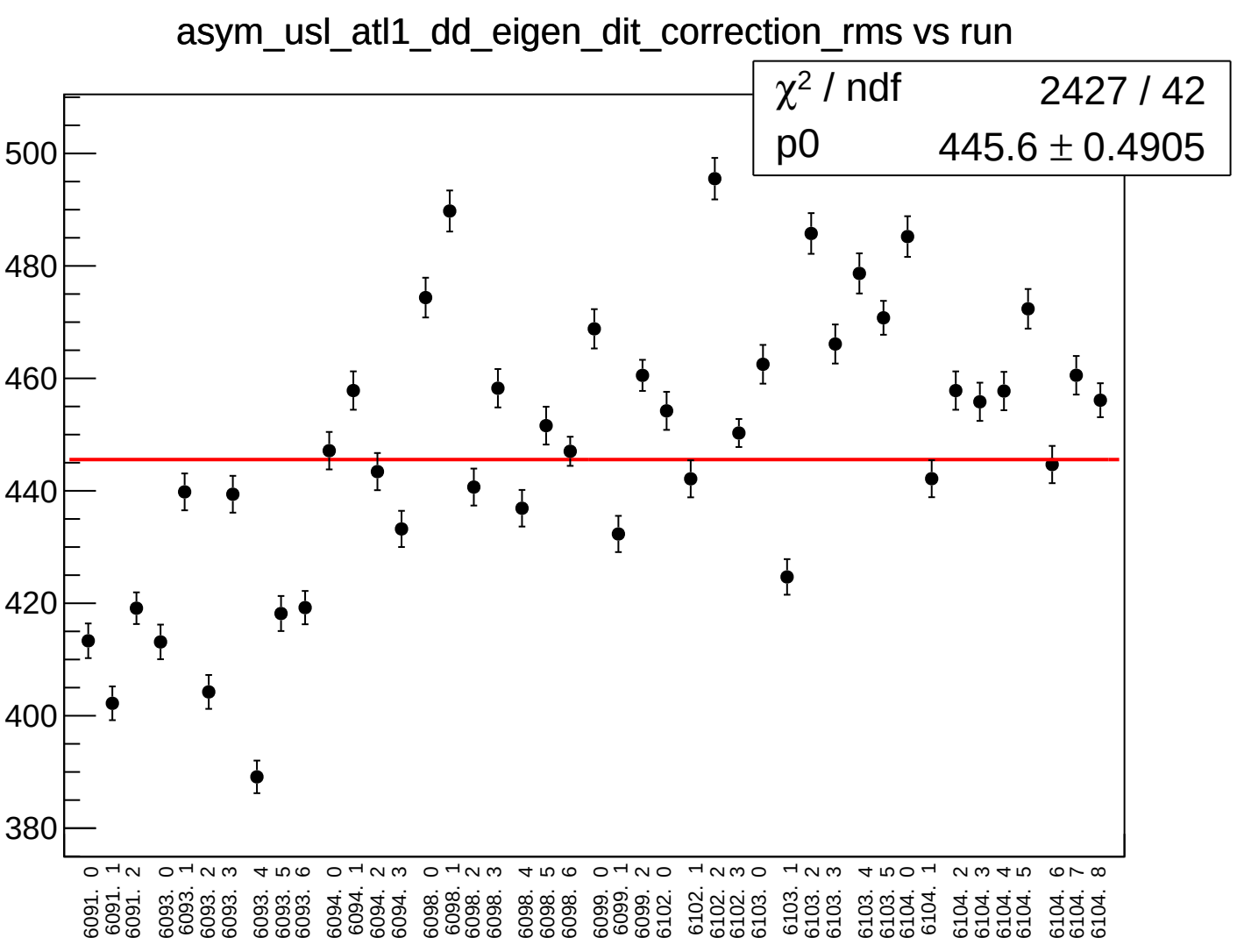

asym_usl_atl1_dd_dit_correction_rms vs run
χ² / ndf 2427 / 42
p0 445.6 ± 0.4905
500
480
460
440
420
400
380
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

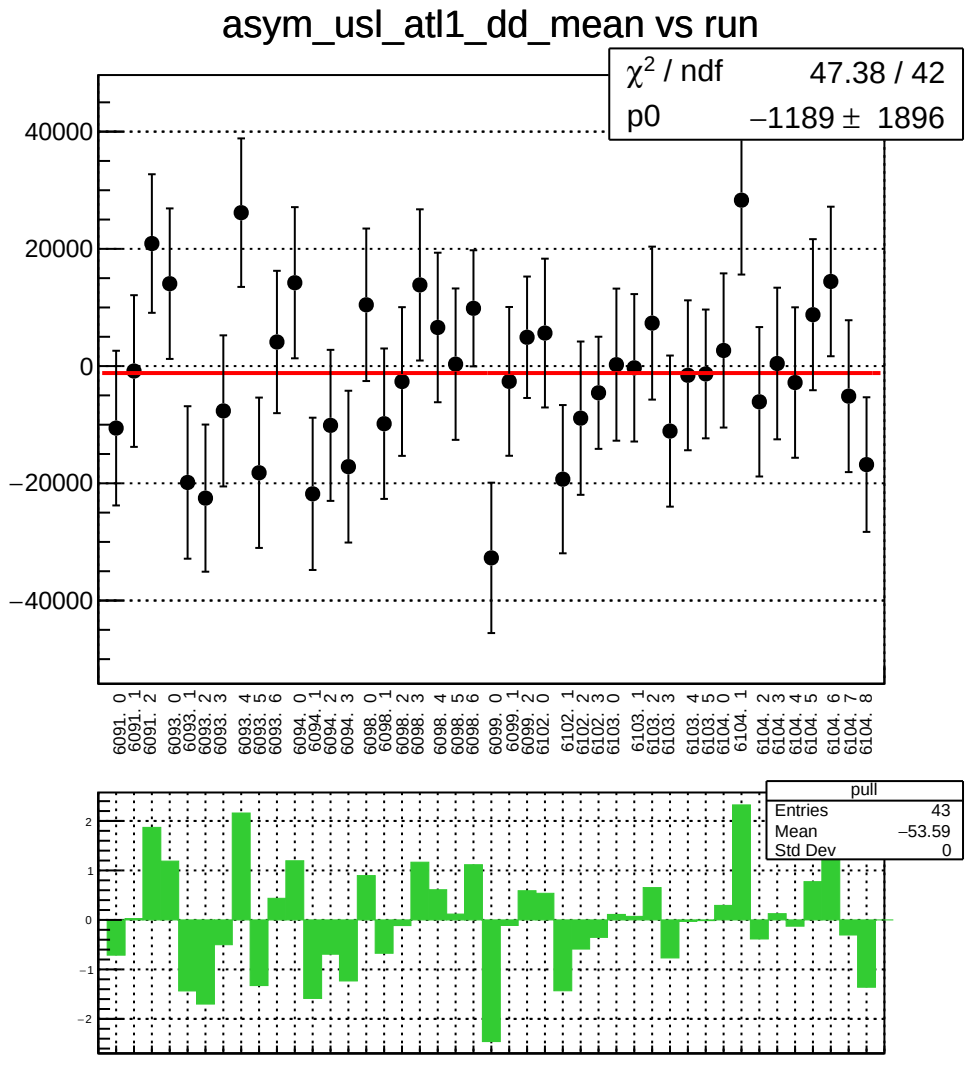

eigen_dit_asym_usl_atl1_dd_mean vs run
χ² / ndf 39.33 / 42
p0 −665.8 ± 1763
40000
30000
20000
10000
0
−10000
−20000
−30000
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean −67.32
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5

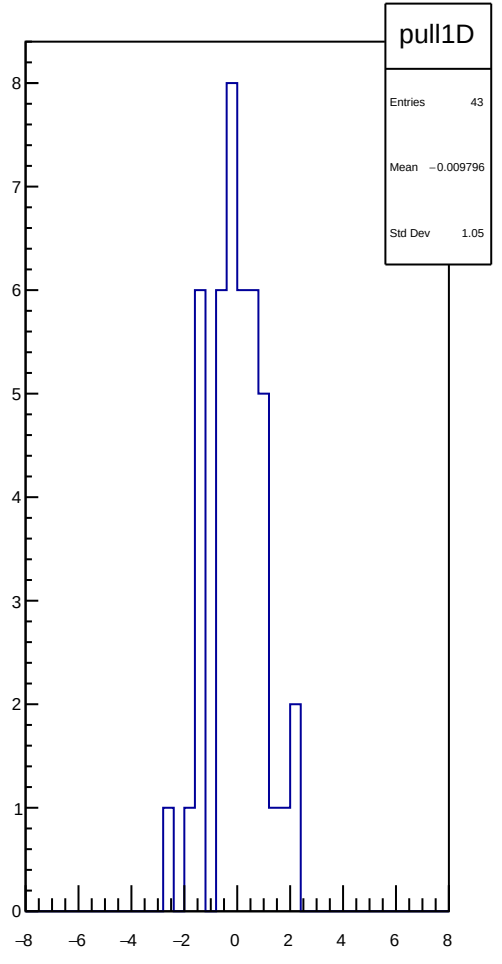

pull1D
Entries 43
Mean −0.01107
Std Dev 0.9563
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

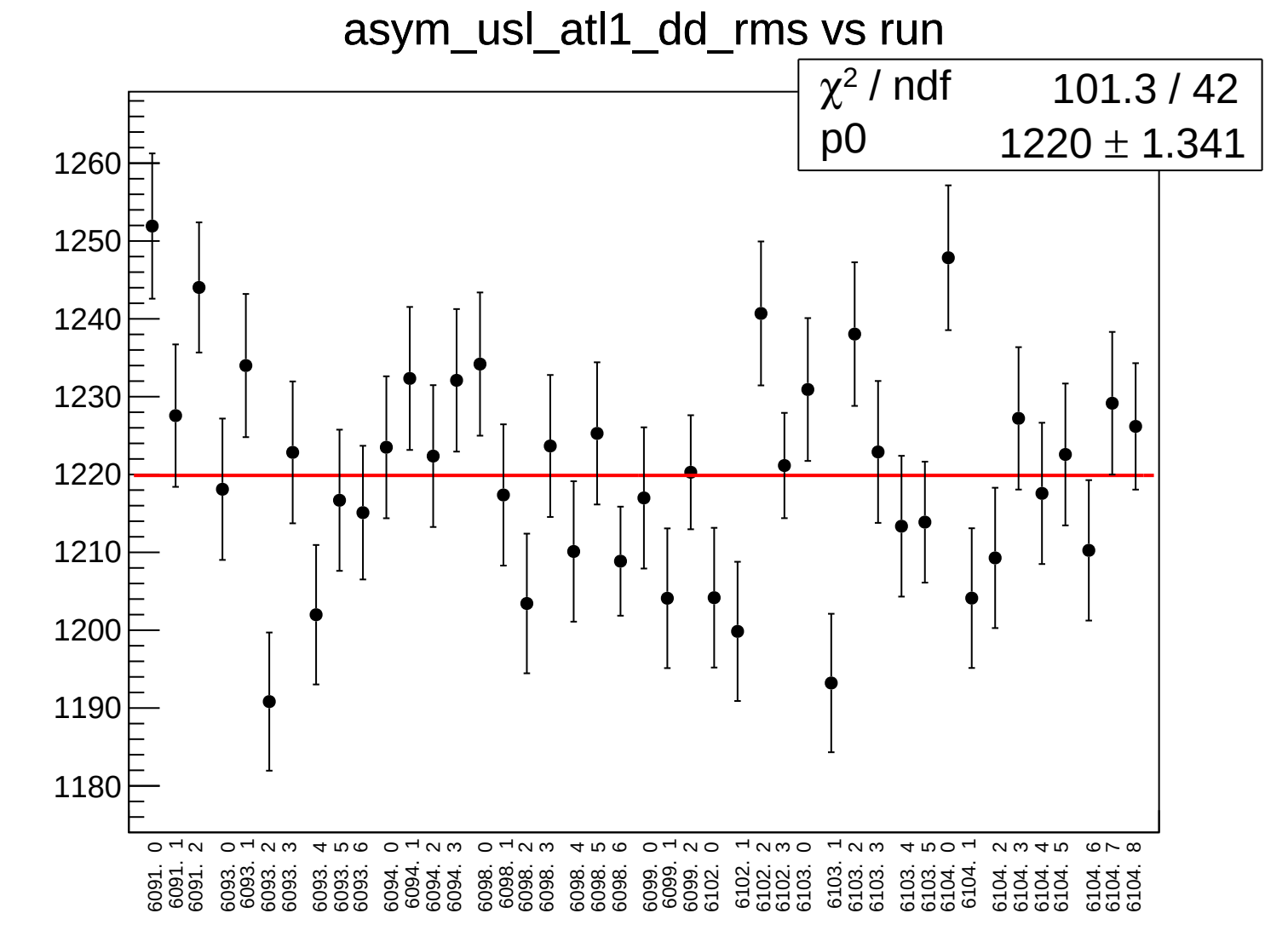

eigen_dit_asym_usl_atl1_dd_rms vs run
χ² / ndf 120.5 / 42
p0 1134 ± 1.247
1190
1180
1170
1160
1150
1140
1130
1120
1110
1100
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

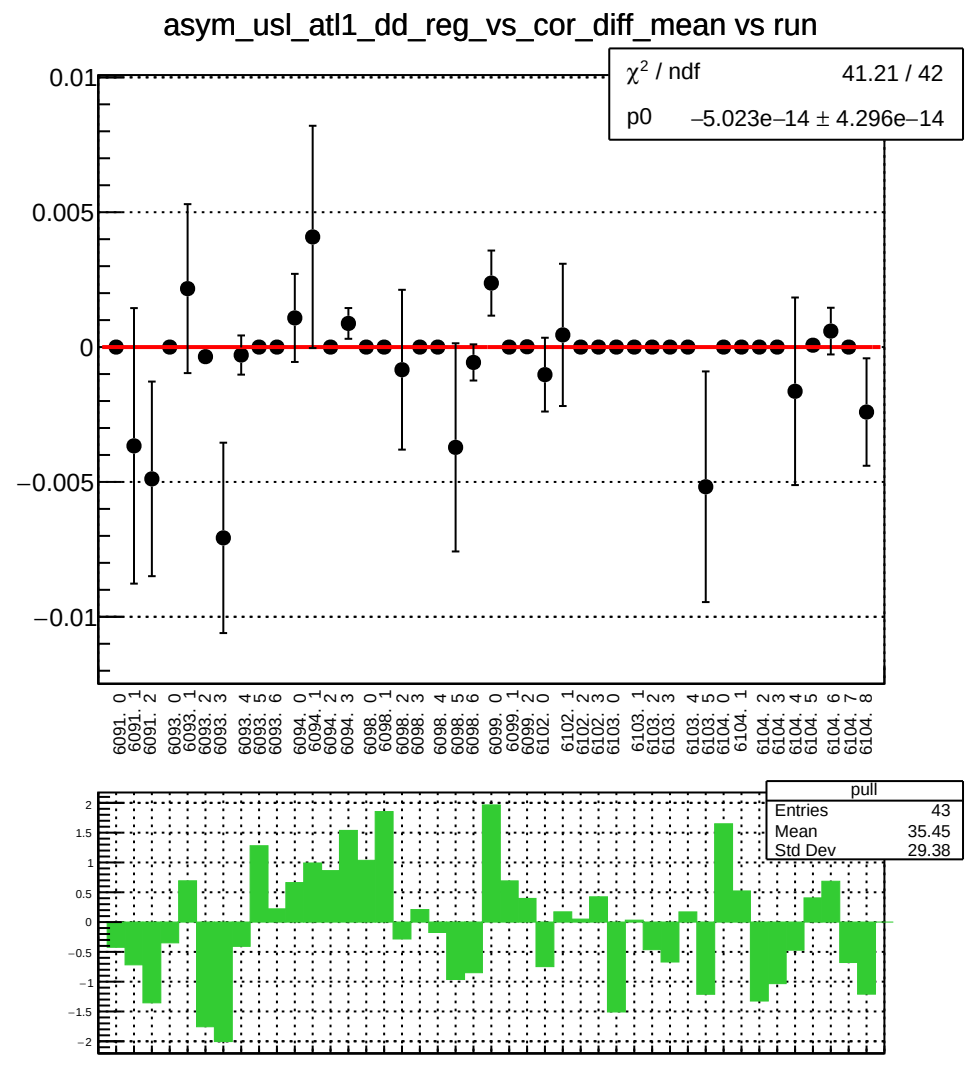

asym_usl_atl1_dd_eigen_dit_correction_mean vs run
χ² / ndf 43.63 / 42
p0 391.4 ± 693.6
20000
15000
10000
5000
0
−5000
−10000
−15000
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 60.02
Std Dev 0
2
1
0
−1
−2
pull1D
Entries 43
Mean 0.01324
Std Dev 1.007
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

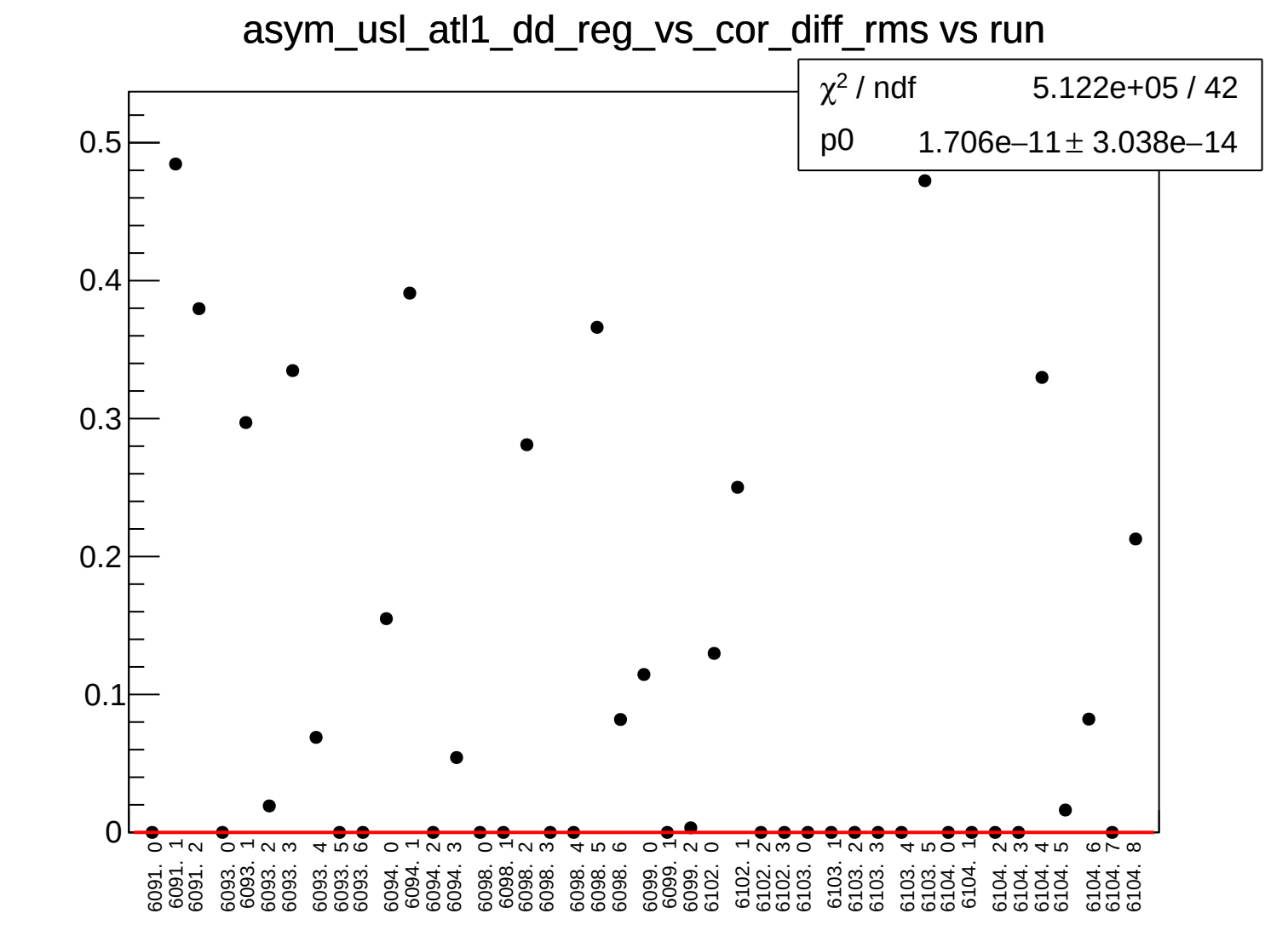

asym_usl_atl1_dd_eigen_dit_correction_rms vs run
χ² / ndf 2427 / 42
p0 445.6 ± 0.4905
500
480
460
440
420
400
380
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

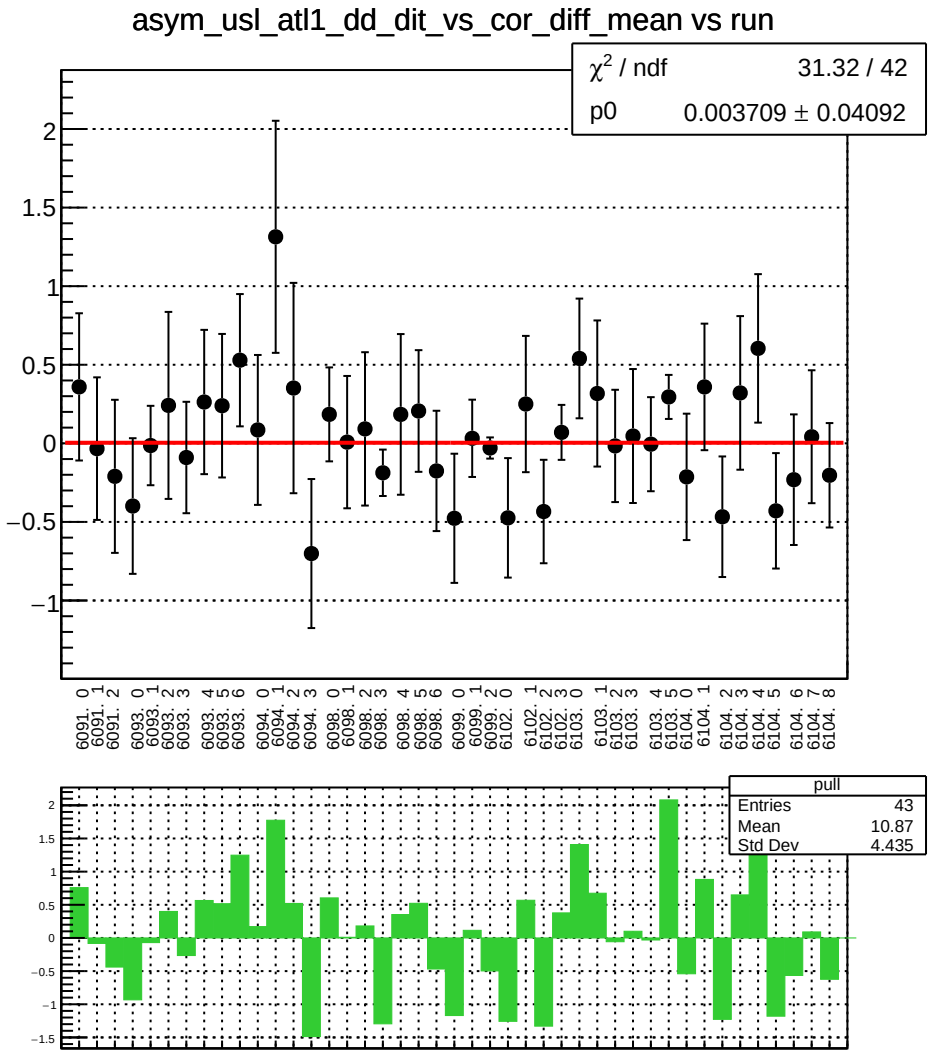

asym_usl_atl1_dd_mean vs run
χ² / ndf 47.38 / 42
p0 −1189 ± 1896
40000
20000
0
−20000
−40000
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean −53.59
Std Dev 0
2
1
0
−1
−2

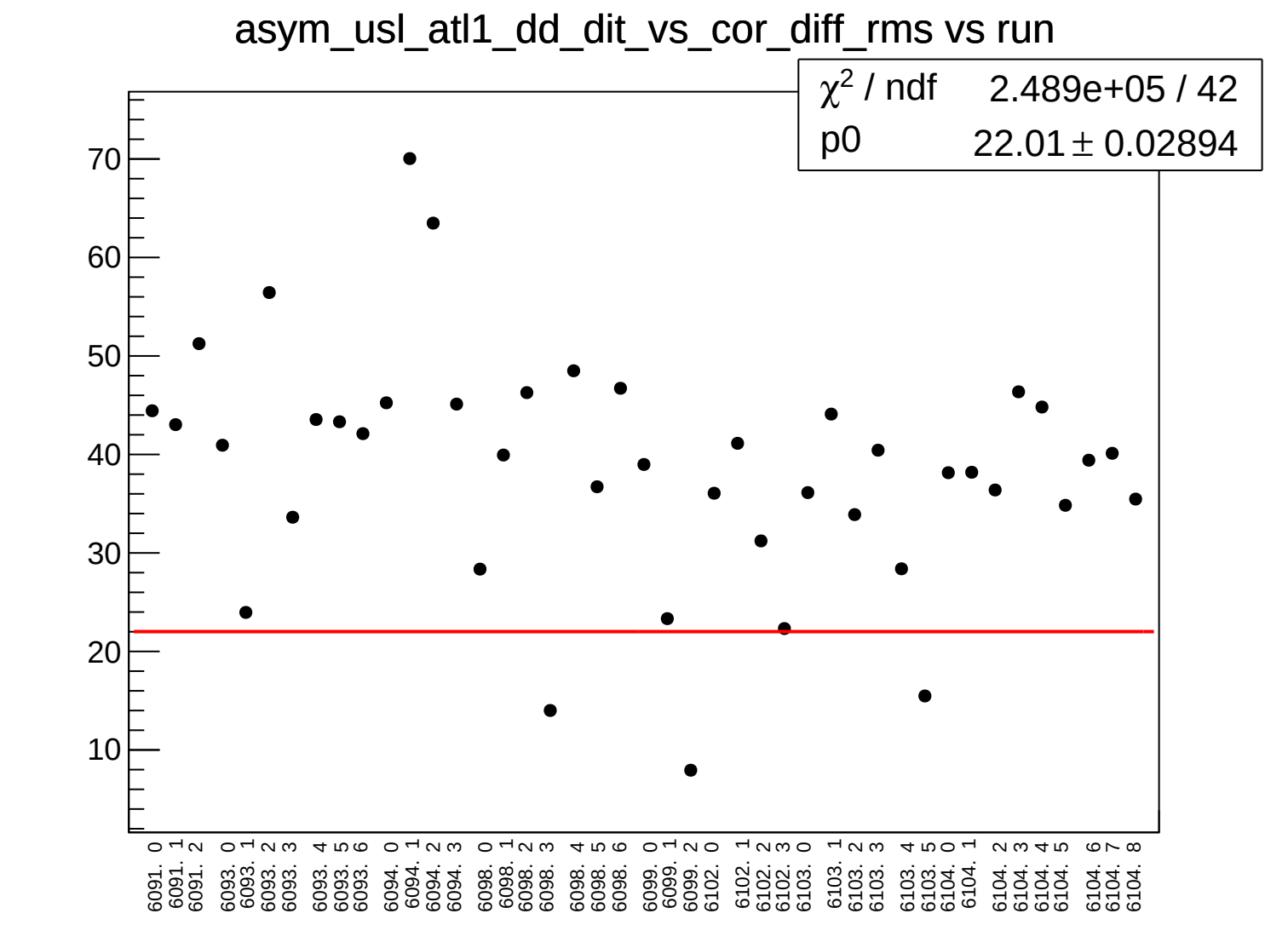

pull1D
Entries 43
Mean −0.009796
Std Dev 1.05
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

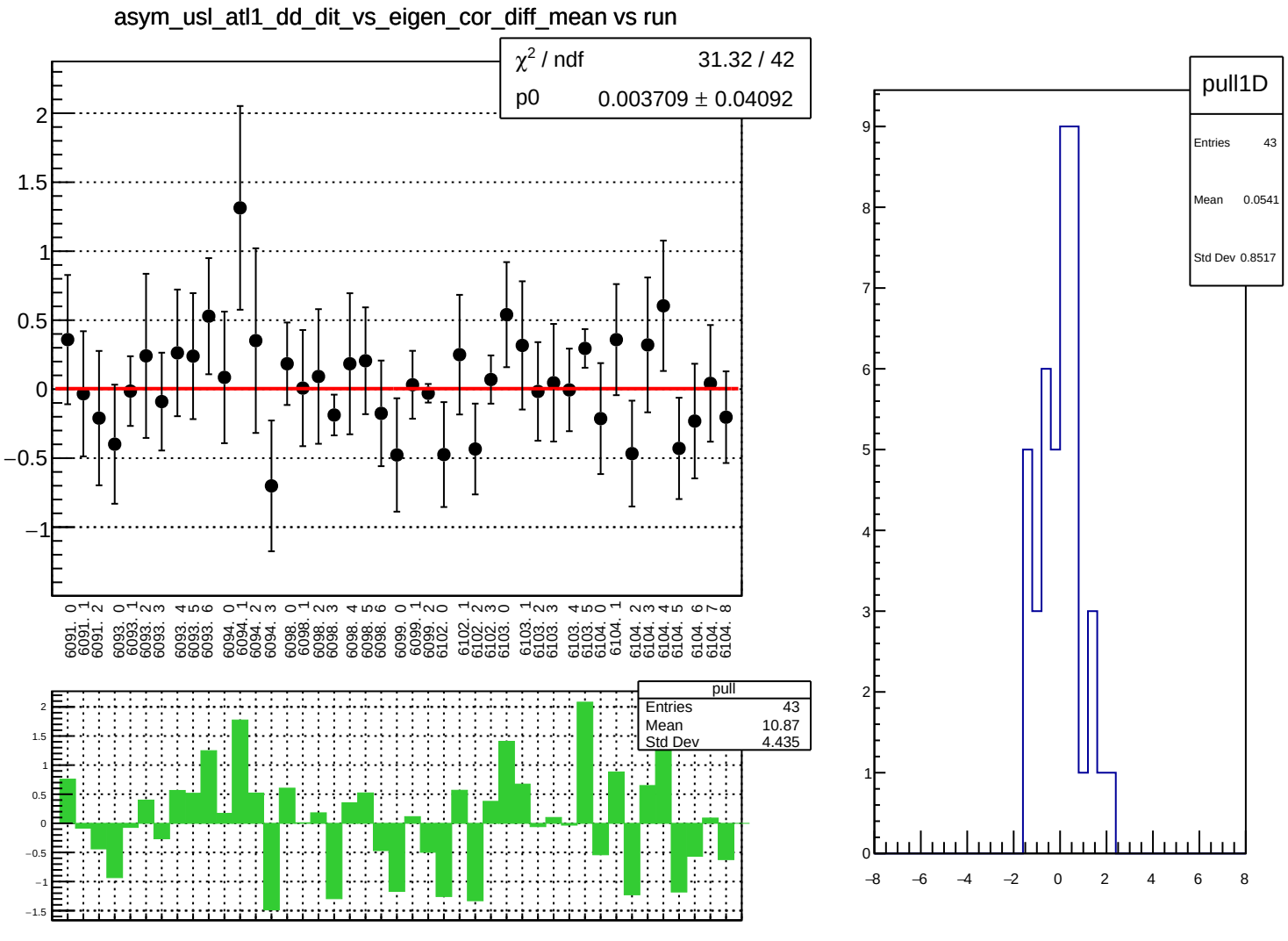

asym_usl_atl1_dd_rms vs run
χ² / ndf 101.3 / 42
p0 1220 ± 1.341
1260
1250
1240
1230
1220
1210
1200
1190
1180
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

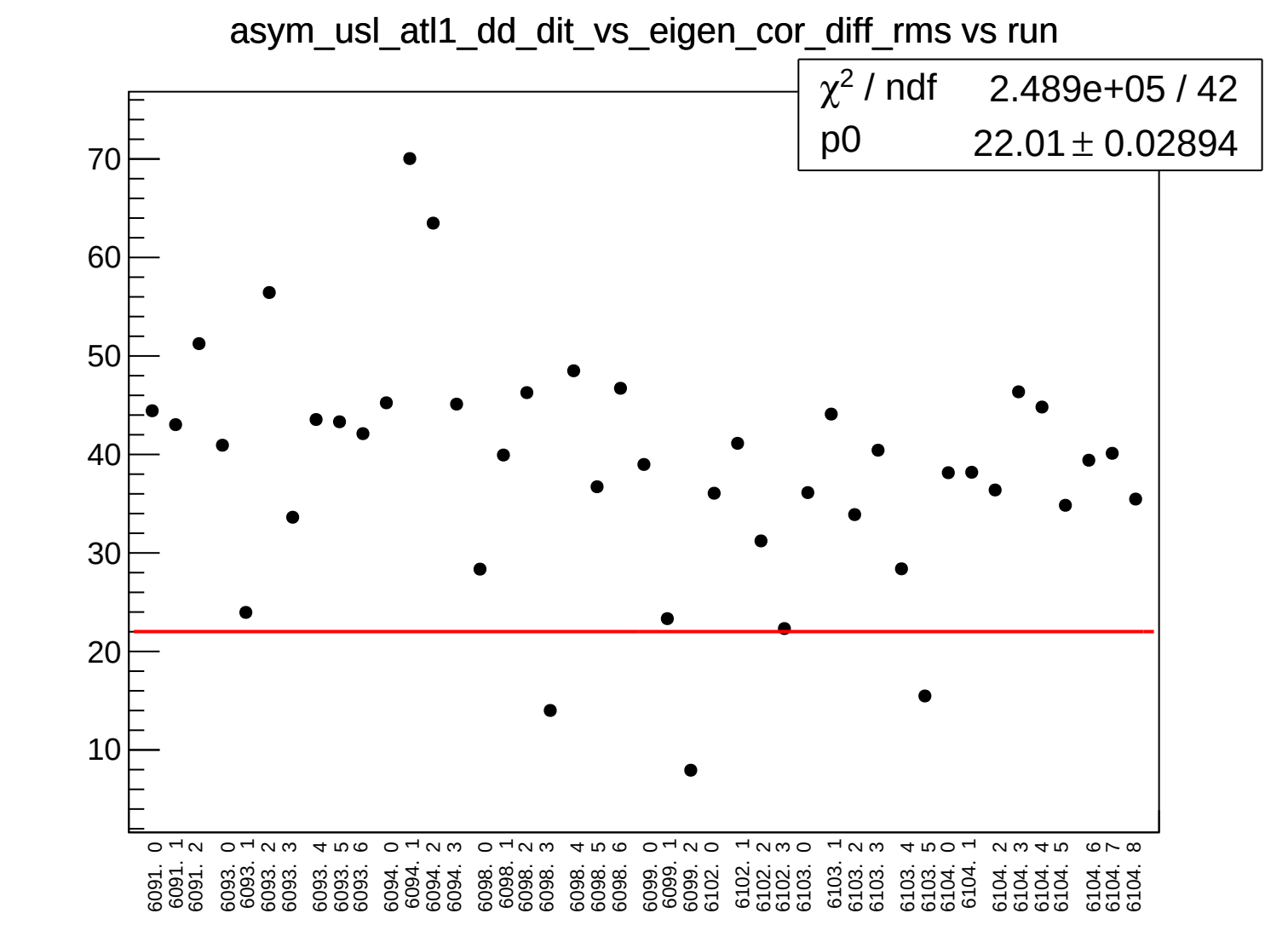

asym_usl_atl1_dd_reg_vs_cor_diff_mean vs run
χ² / ndf 41.21 / 42
p0 −5.023e−14 ± 4.296e−14
0.01
0.005
0
−0.005
−0.01
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 35.45
Std Dev 29.38
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 43
Mean −0.0486
Std Dev 0.9778
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

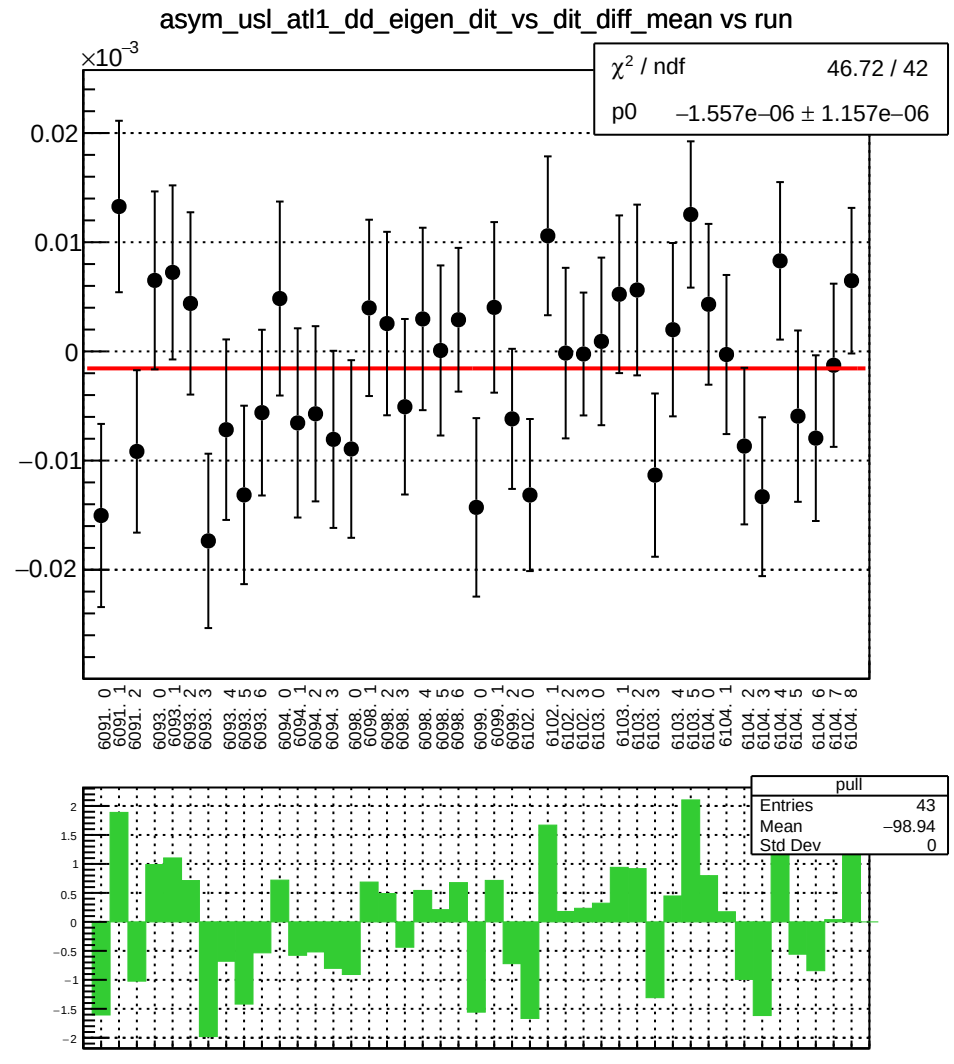

asym_usl_atl1_dd_reg_vs_cor_diff_rms vs run
χ² / ndf 5.122e+05 / 42
p0 1.706e−11 ± 3.038e−14
0.5
0.4
0.3
0.2
0.1
0
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

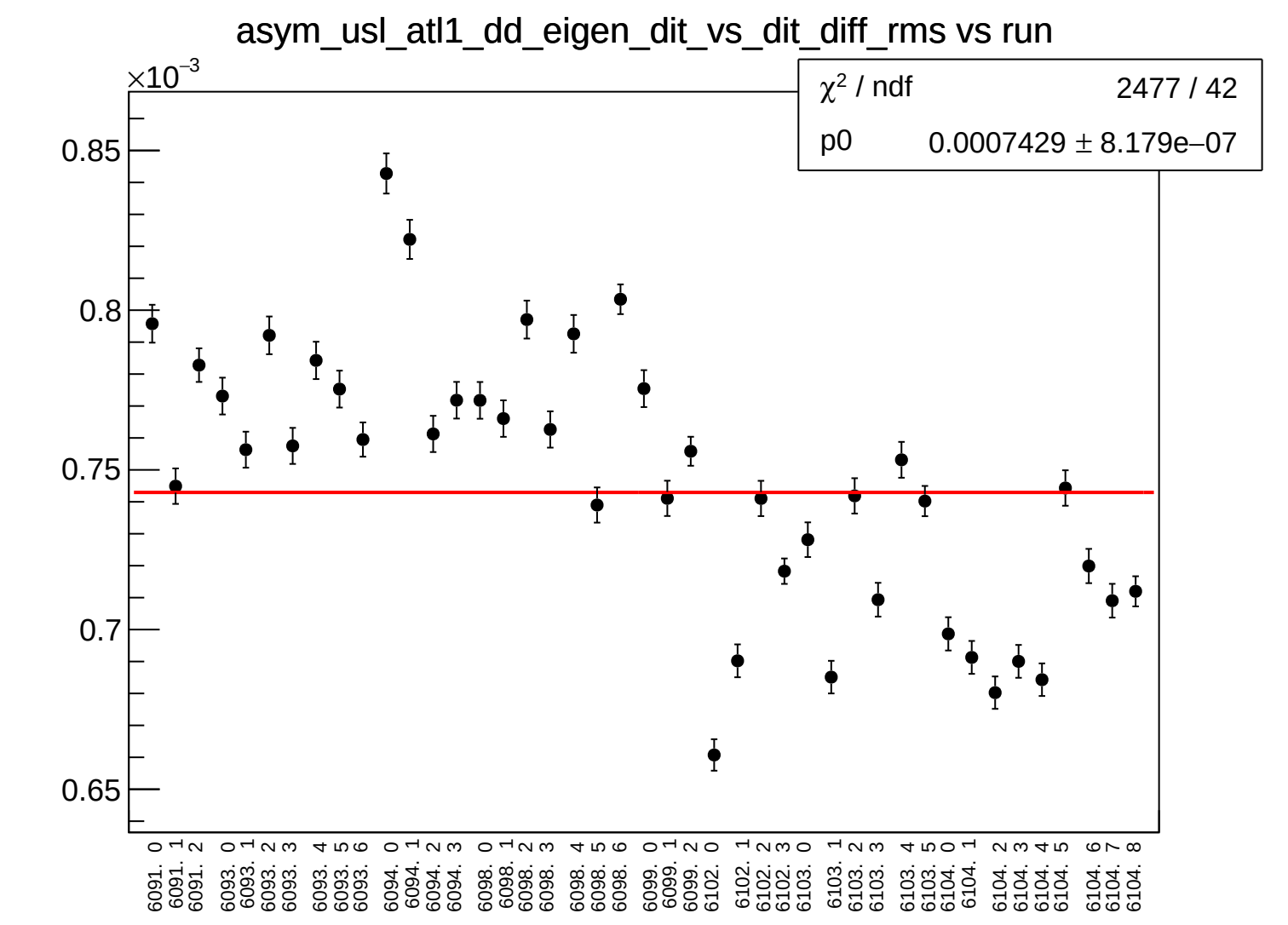

asym_usl_atl1_dd_dit_vs_cor_diff_mean vs run
χ² / ndf 31.32 / 42
p0 0.003709 ± 0.04092
pull
Entries 43
Mean 10.87
Std Dev 4.435
pull1D
Entries 43
Mean 0.0541
Std Dev 0.8517

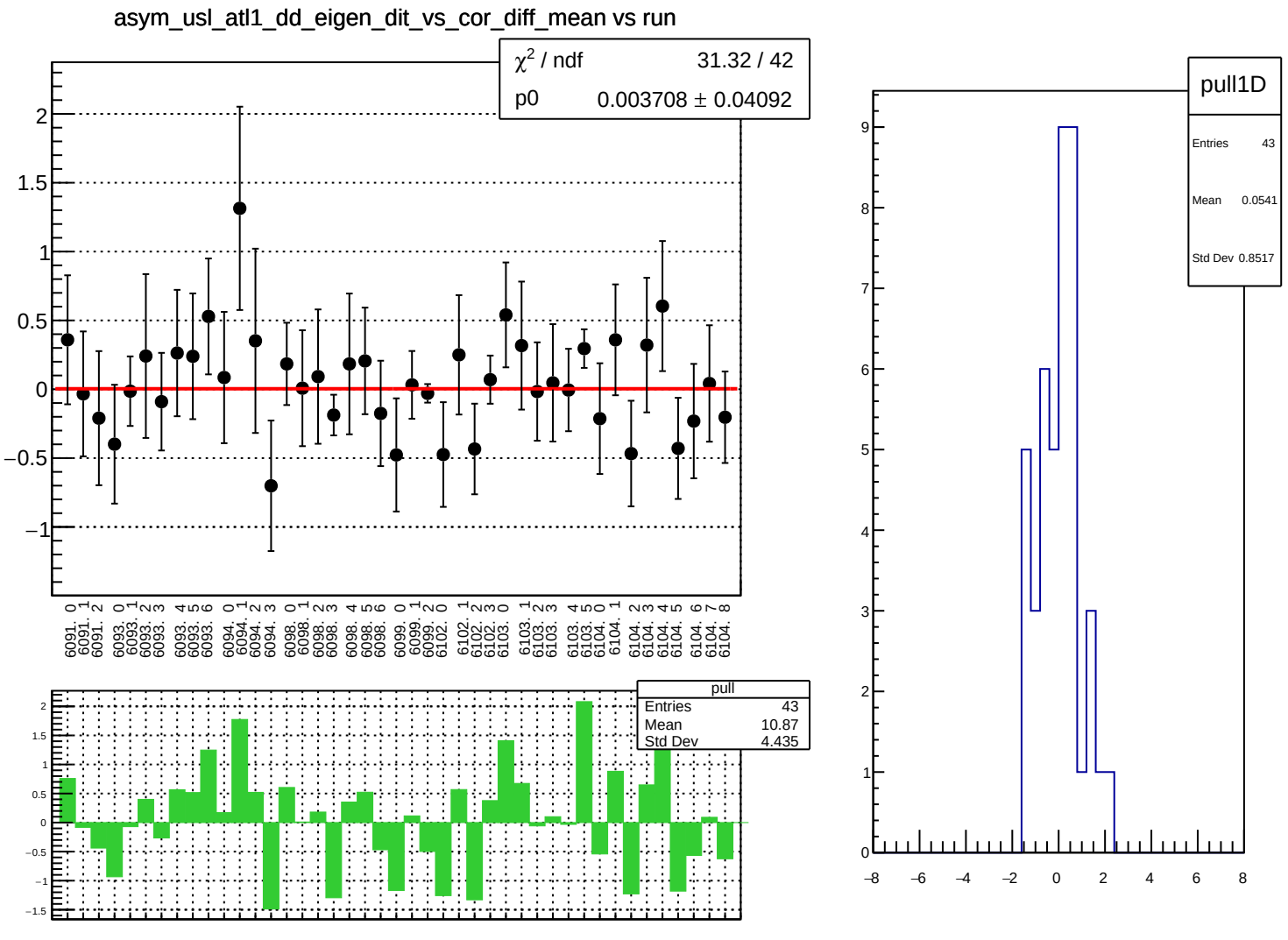

asym_usl_atl1_dd_dit_vs_cor_diff_rms vs run
χ^2 / ndf 2.489e+05 / 42
p0 22.01 ± 0.02894
70
60
50
40
30
20
10
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

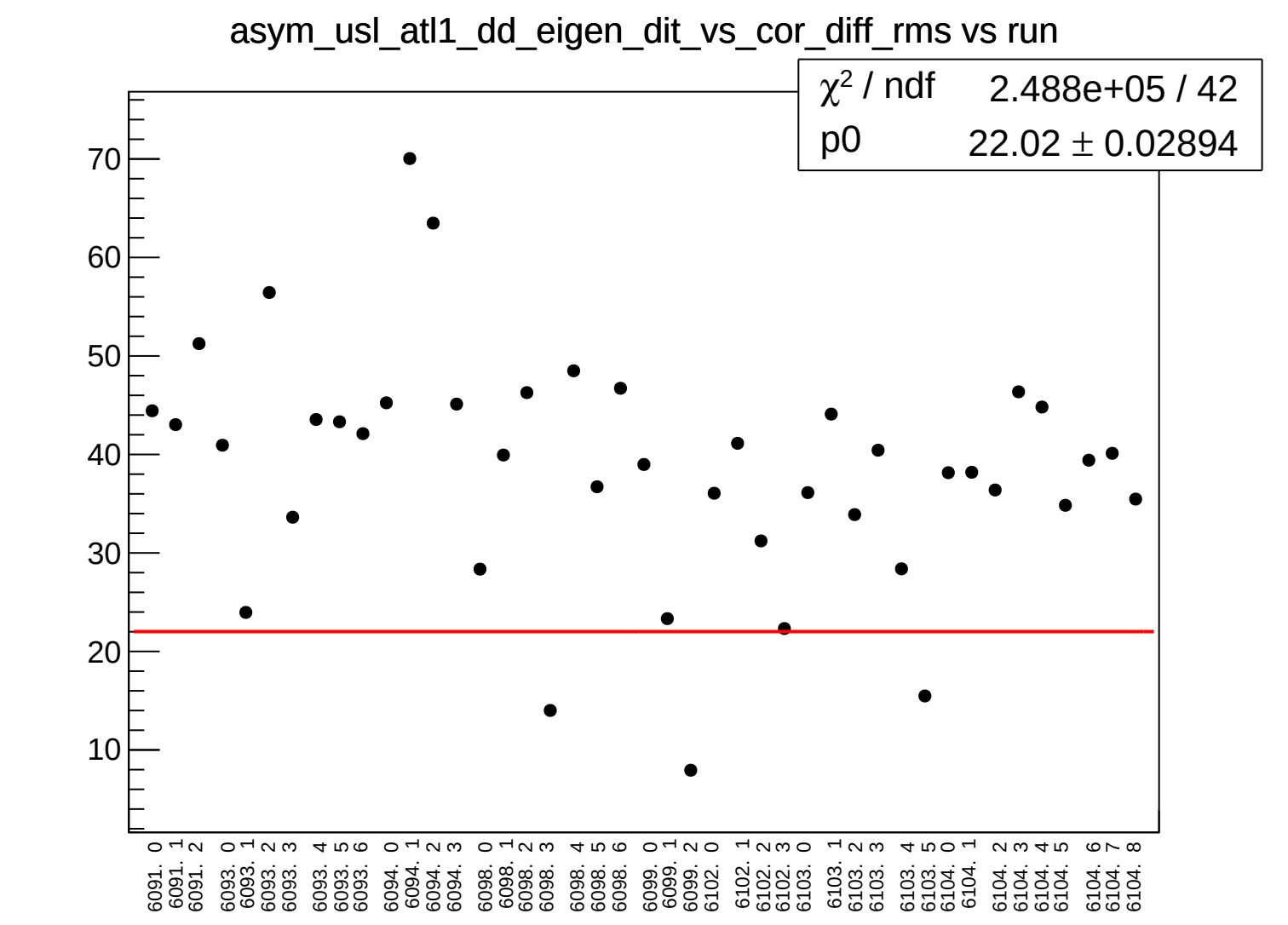

asym_usl_atl1_dd_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 31.32 / 42
p0 0.003709 ± 0.04092
2
1.5
1
0.5
0
−0.5
−1
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 10.87
Std Dev 4.435
2
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 43
Mean 0.0541
Std Dev 0.8517
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

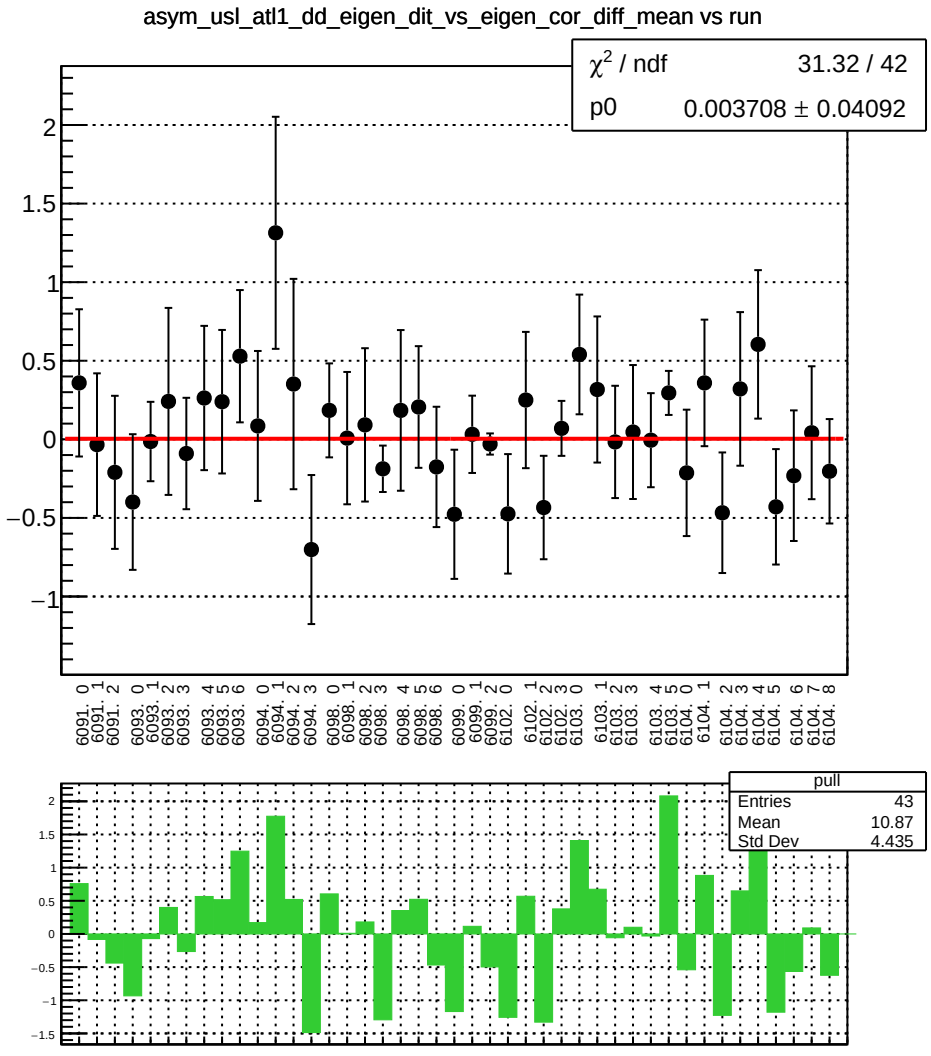

asym_usl_atl1_dd_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 2.489e+05 / 42
p0 22.01 ± 0.02894
70
60
50
40
30
20
10
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

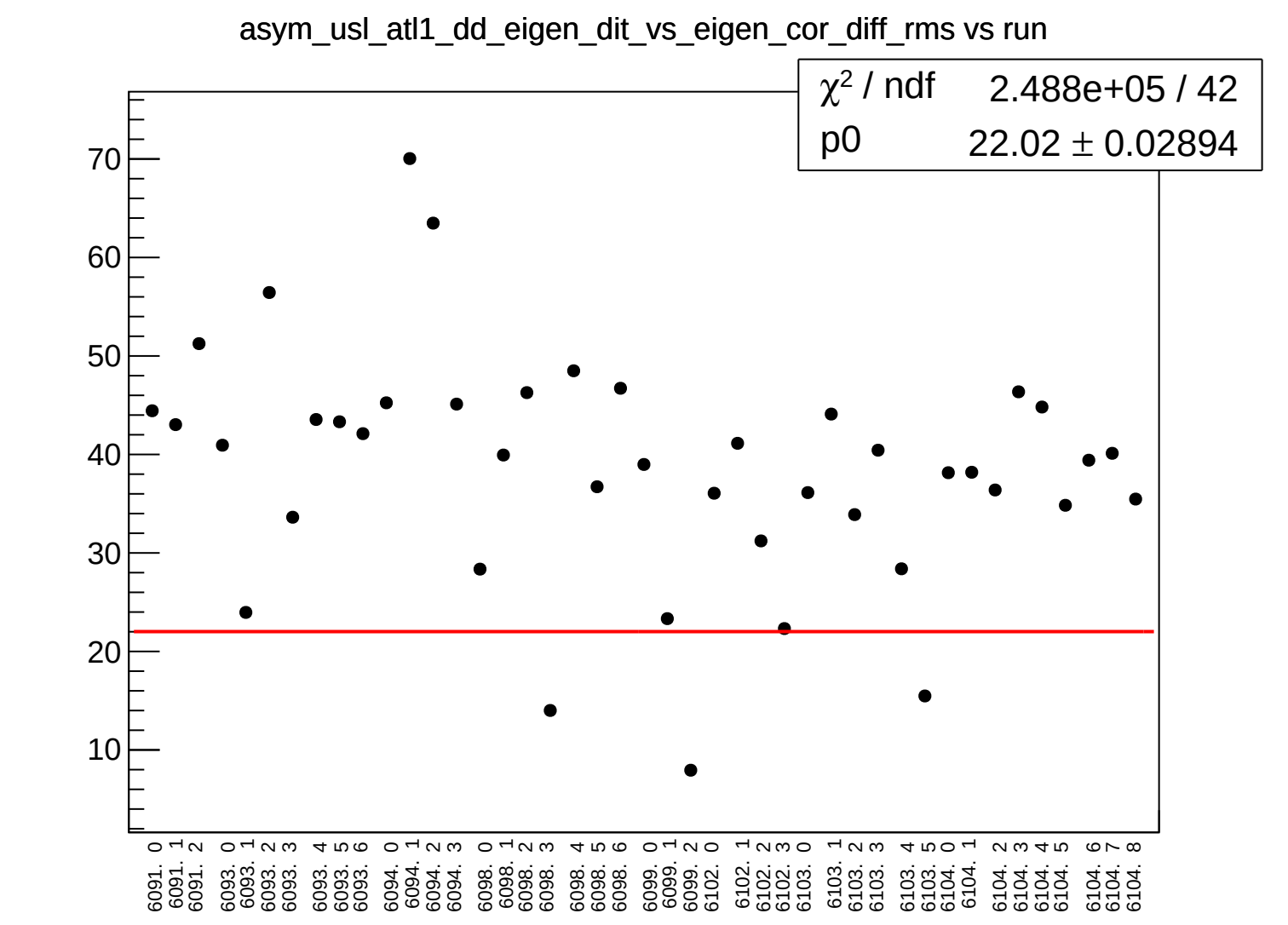

asym_usl_atl1_dd_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 46.72 / 42
p0 −1.557e−06 ± 1.157e−06
0.02
0.01
0
−0.01
−0.02
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean −98.94
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 43
Mean −0.01407
Std Dev 1.042
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

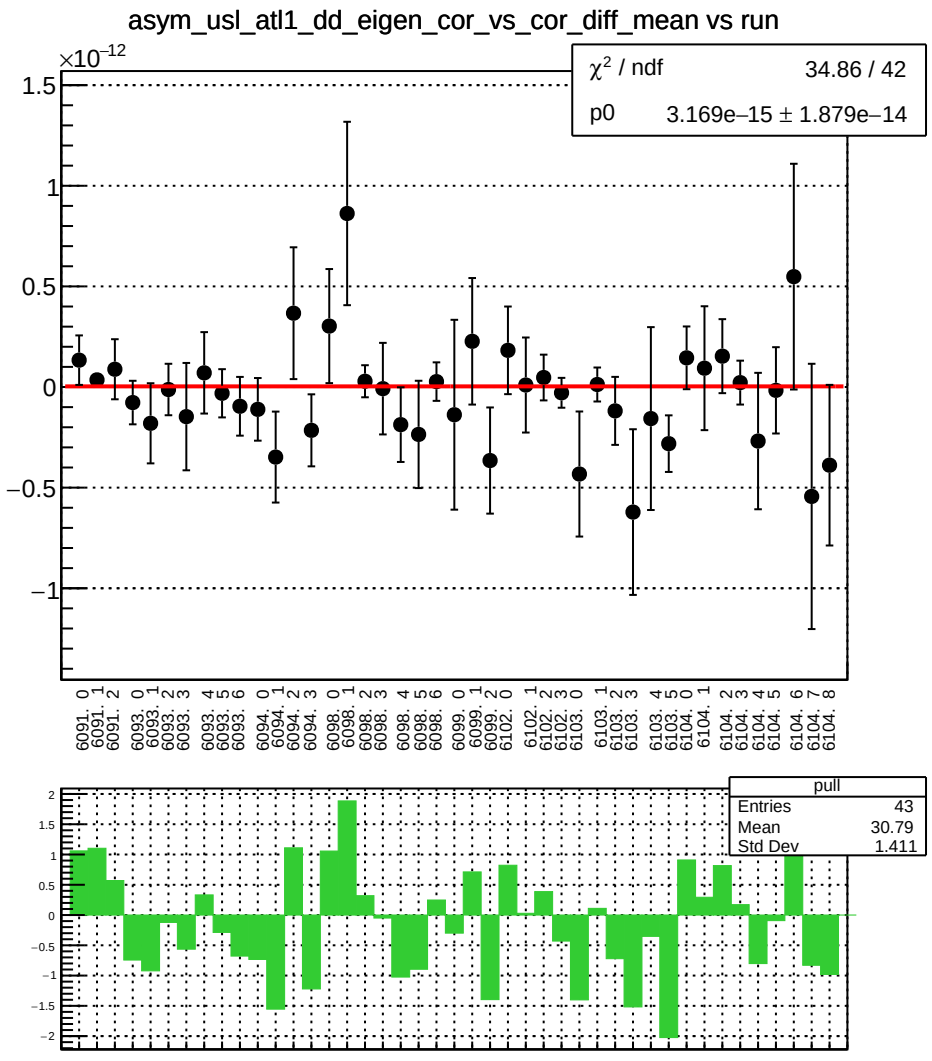

asym_usl_atl1_dd_eigen_dit_vs_dit_diff_rms vs run
×10⁻³
χ² / ndf 2477 / 42
p0 0.0007429 ± 8.179e−07
0.85
0.8
0.75
0.7
0.65
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

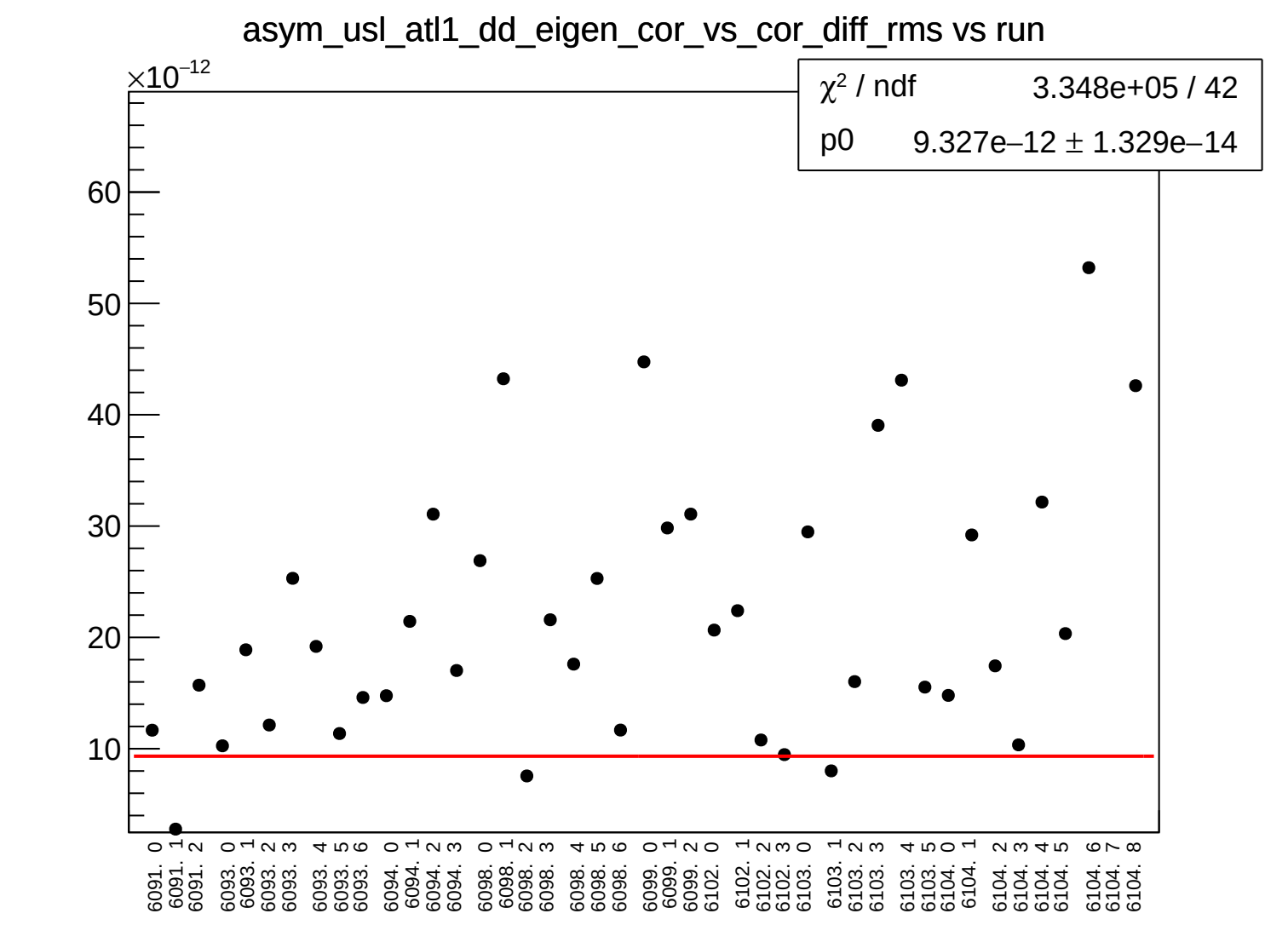

asym_usl_atl1_dd_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 31.32 / 42
p0 0.003708 ± 0.04092
2
1.5
1
0.5
0
−0.5
−1
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 10.87
Std Dev 4.435
2
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 43
Mean 0.0541
Std Dev 0.8517
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

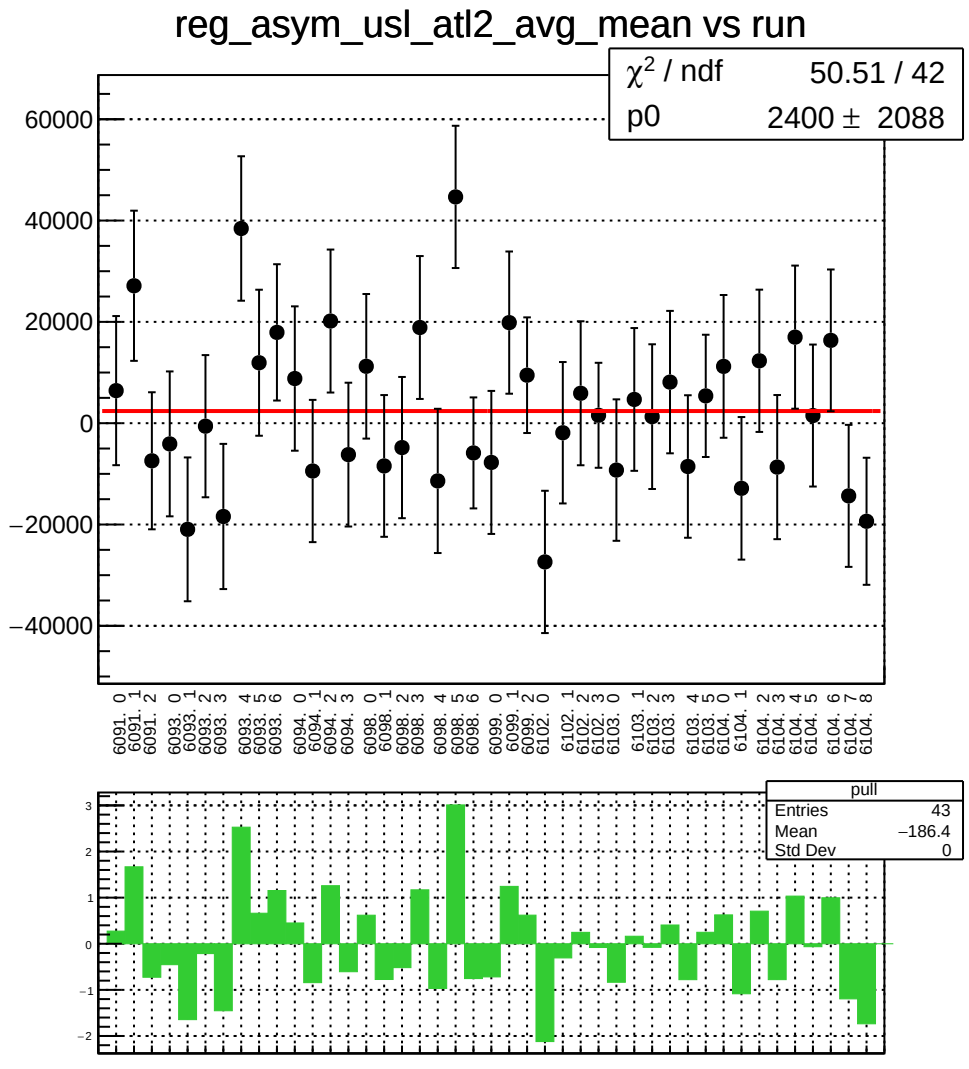

asym_usl_atl1_dd_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 2.488e+05 / 42
p0 22.02 ± 0.02894
70
60
50
40
30
20
10
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

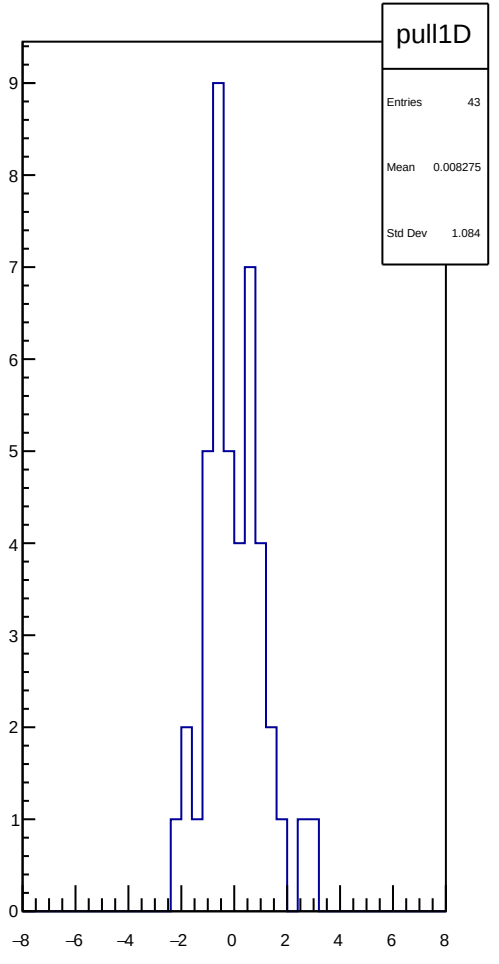

asym_usl_atl1_dd_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 31.32 / 42
p0 0.003708 ± 0.04092
pull
Entries 43
Mean 10.87
Std Dev 4.435
pull1D
Entries 43
Mean 0.0541
Std Dev 0.8517

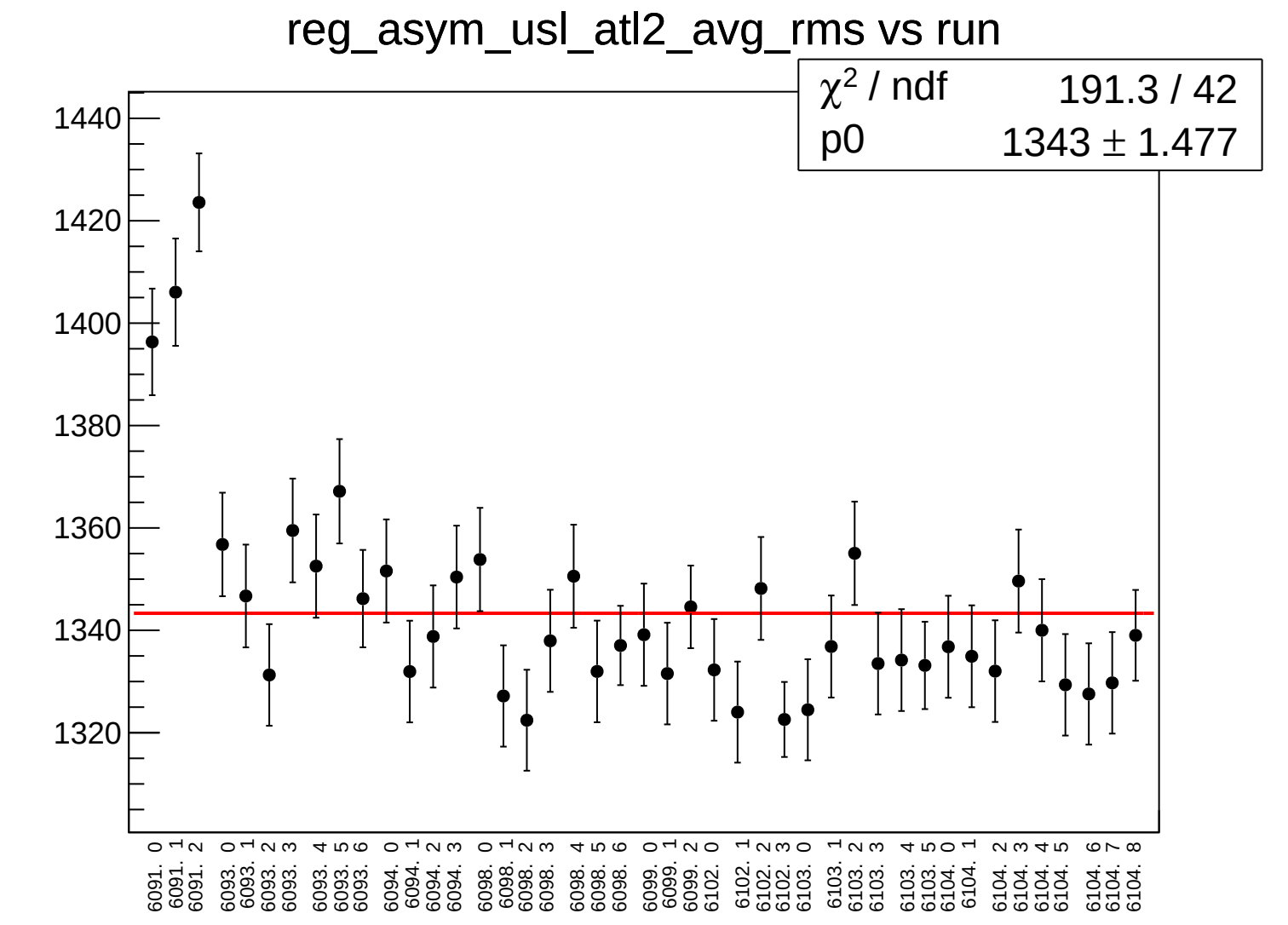

asym_usl_atl1_dd_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 2.488e+05 / 42
p0 22.02 ± 0.02894
70
60
50
40
30
20
10
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8


asym_usl_atl1_dd_eigen_cor_vs_cor_diff_mean vs run
×10^−12
χ² / ndf 34.86 / 42
p0 3.169e−15 ± 1.879e−14
1.5
1
0.5
0
−0.5
−1
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 30.79
Std Dev 1.411
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 43
Mean −0.1565
Std Dev 0.8866
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


asym_usl_atl1_dd_eigen_cor_vs_cor_diff_rms vs run
×10⁻¹²
χ² / ndf 3.348e+05 / 42
p0 9.327e−12 ± 1.329e−14
60
50
40
30
20
10
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8


reg_asym_usl_atl2_avg_mean vs run
χ² / ndf 50.51 / 42
p0 2400 ± 2088
60000
40000
20000
0
−20000
−40000
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean −186.4
Std Dev 0
3
2
1
0
−1
−2


pull1D
Entries 43
Mean 0.008275
Std Dev 1.084
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


reg_asym_usl_atl2_avg_rms vs run
χ² / ndf 191.3 / 42
p0 1343 ± 1.477
1440
1420
1400
1380
1360
1340
1320
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
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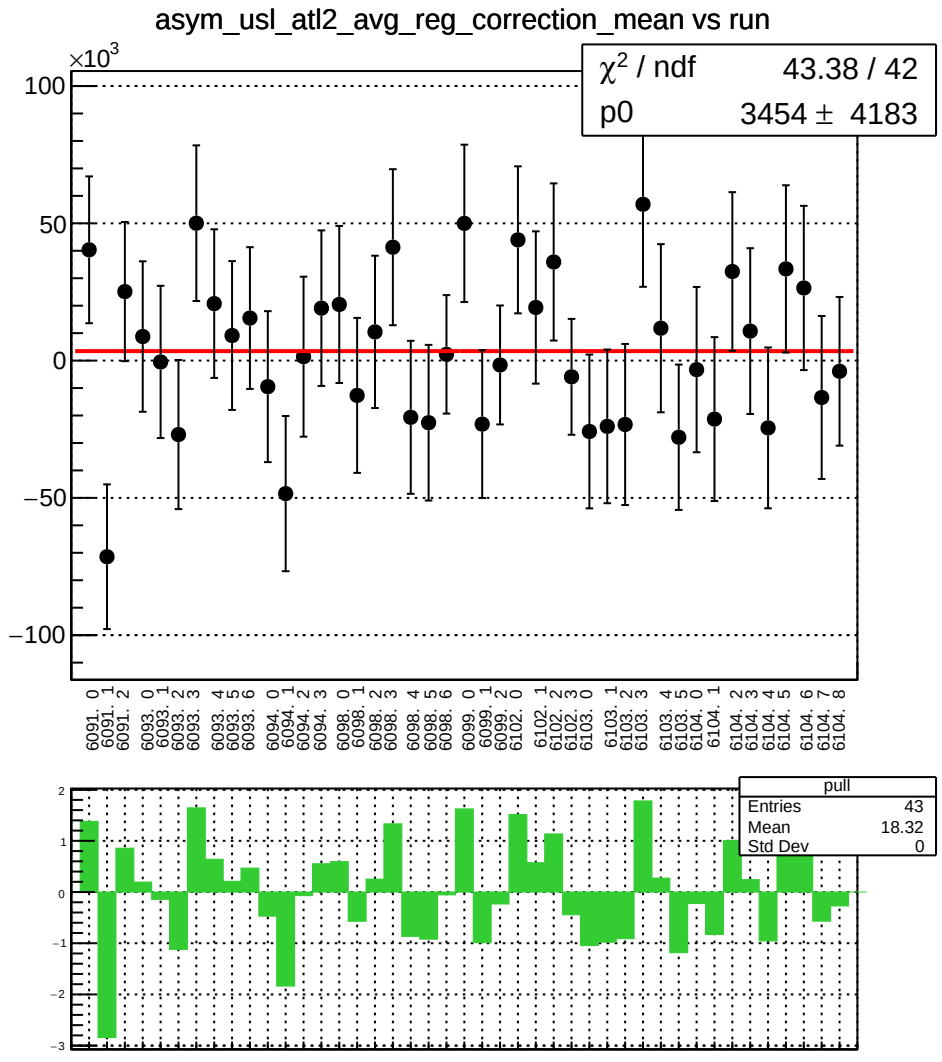
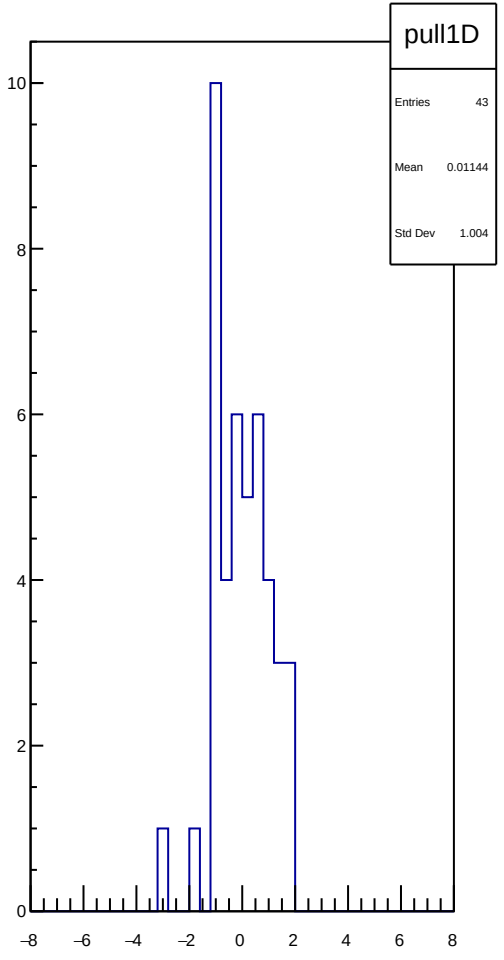
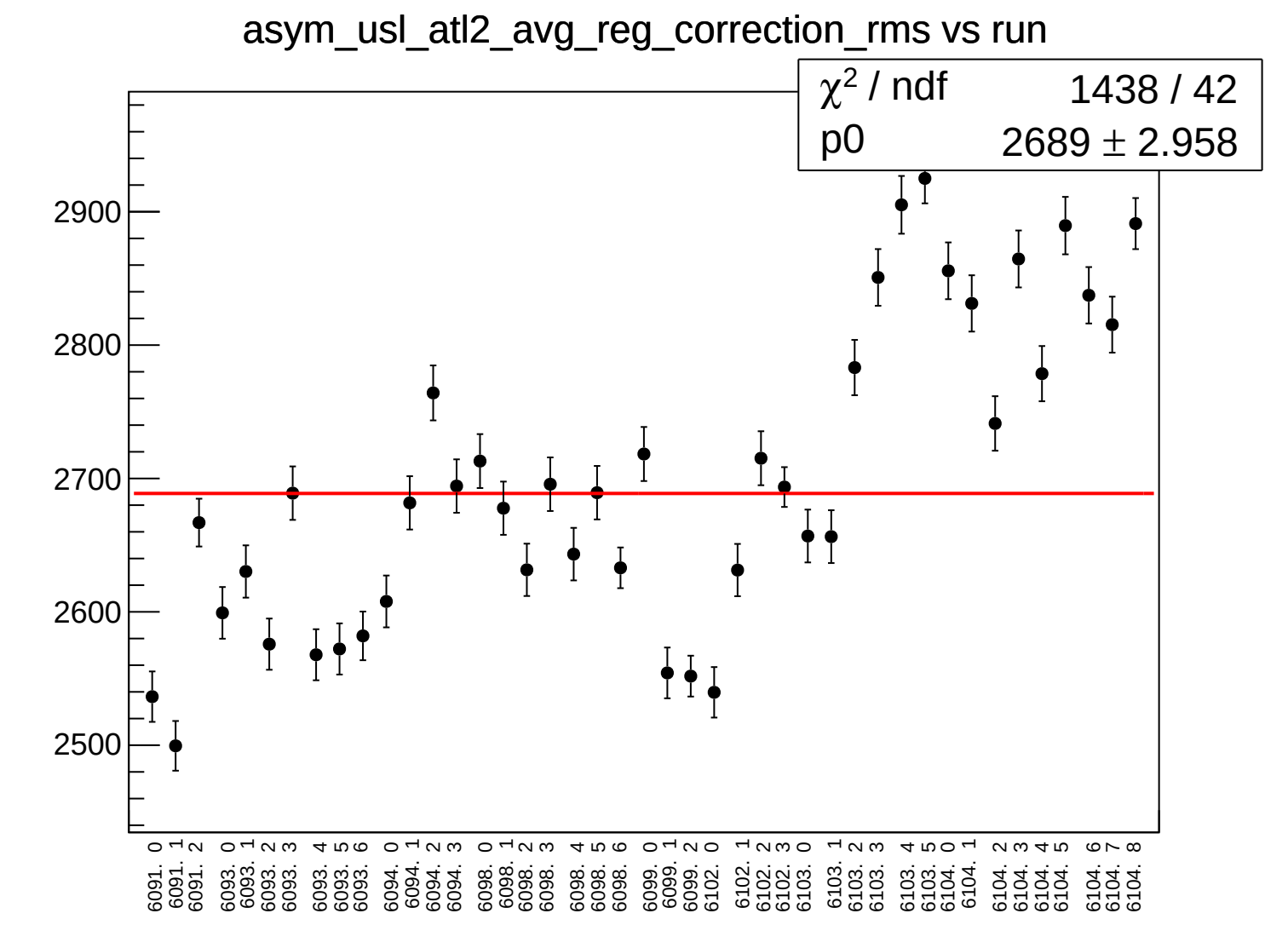
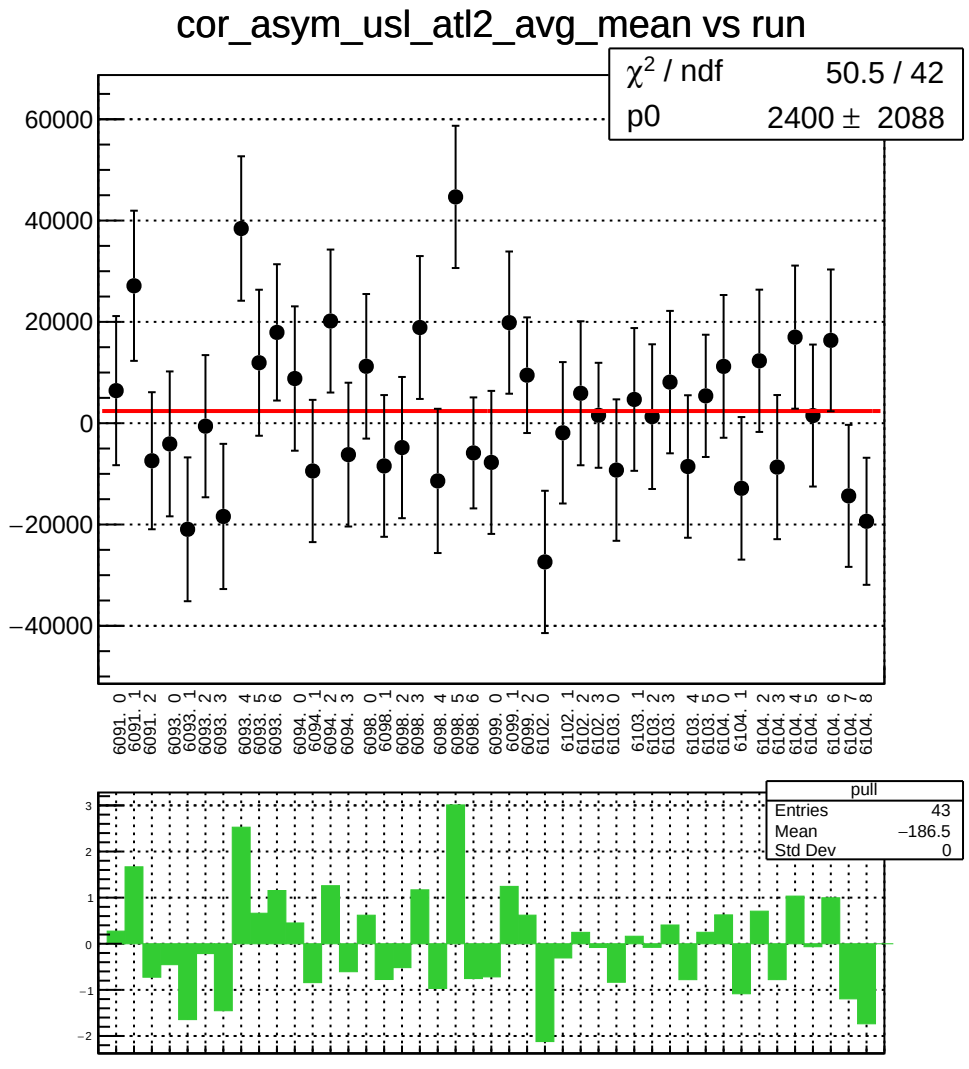
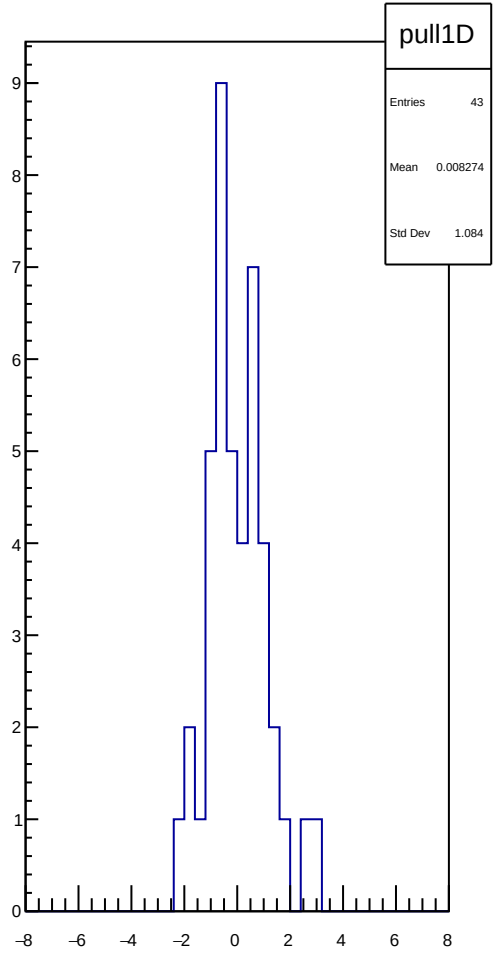
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

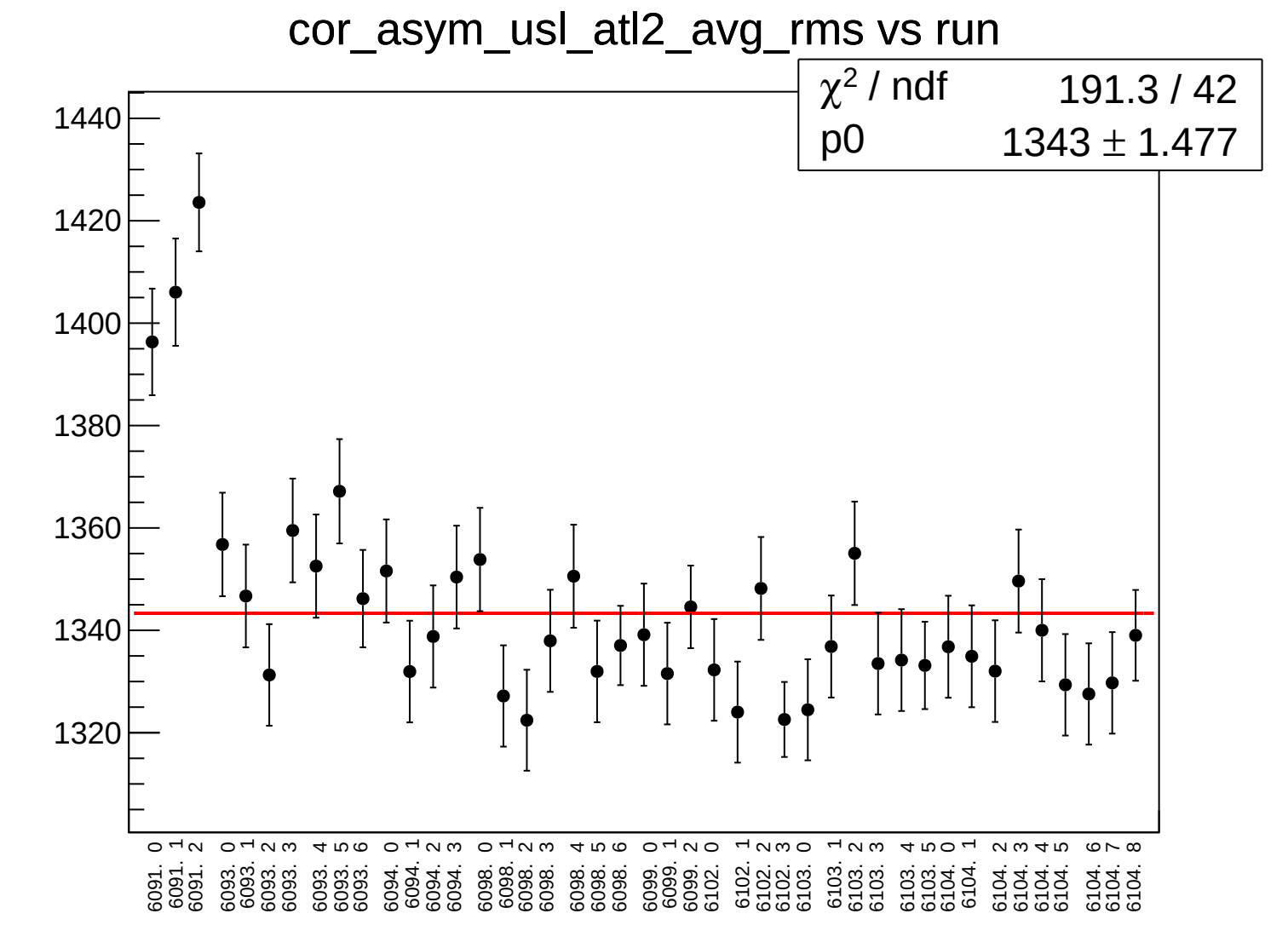

asym_usl_atl2_avg_reg_correction_mean vs run
×10^3
χ² / ndf 43.38 / 42
p0 3454 ± 4183
100
50
0
−50
−100
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 18.32
Std Dev 0
2
1
0
−1
−2
−3

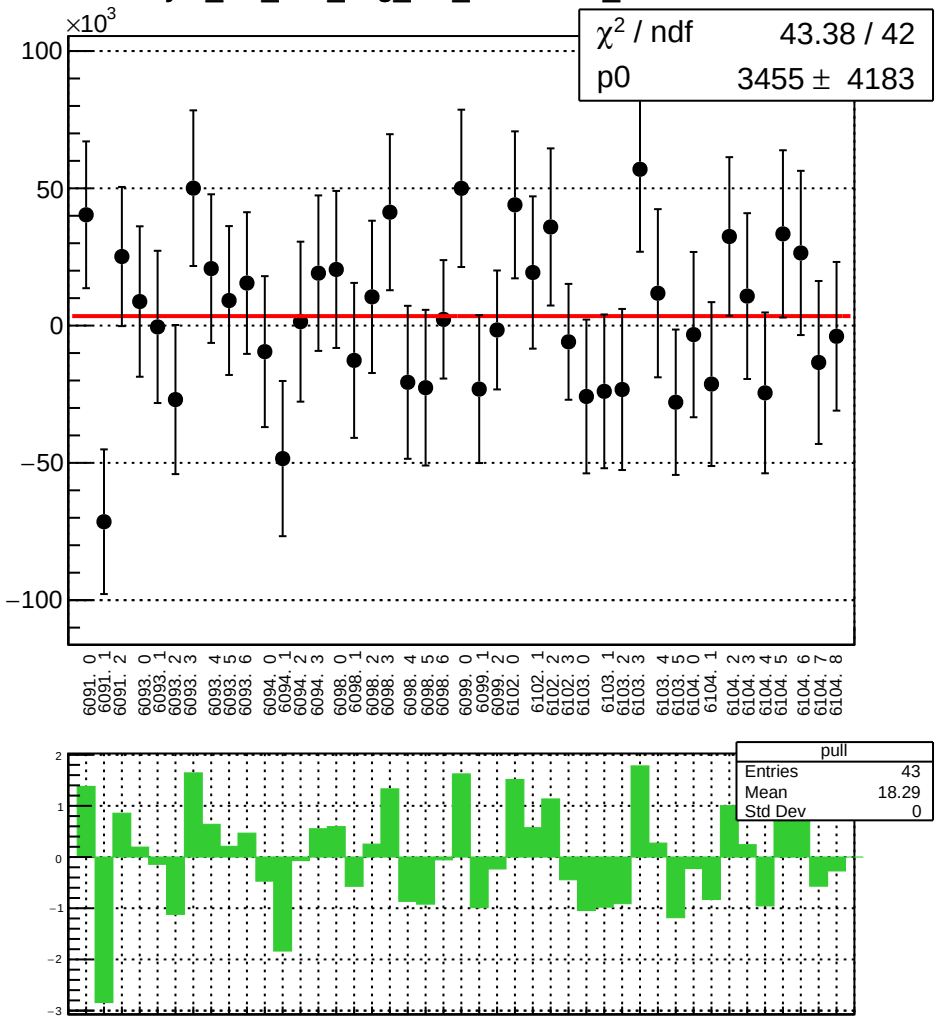

pull1D
Entries 43
Mean 0.01144
Std Dev 1.004
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

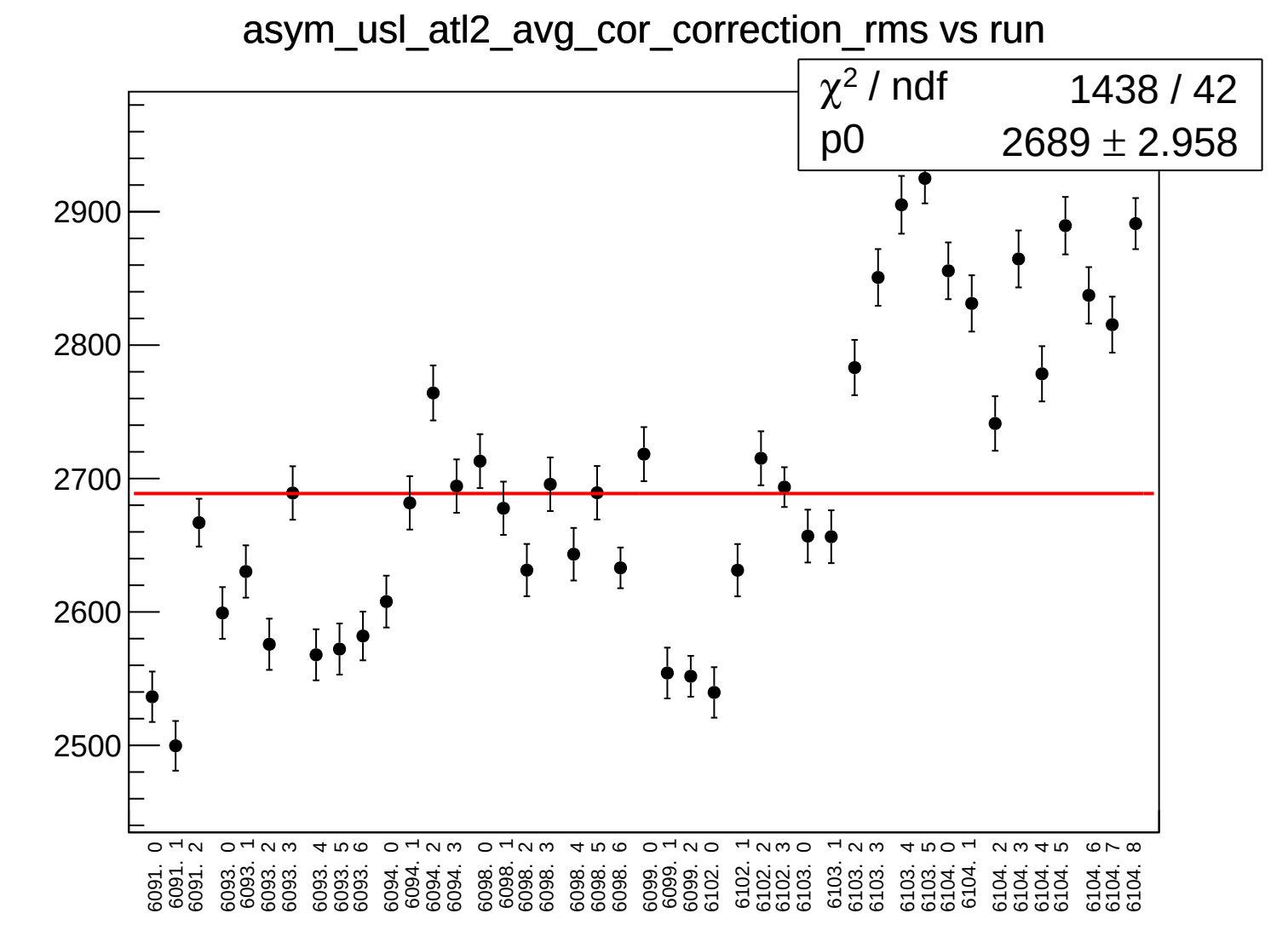

asym_usl_atl2_avg_reg_correction_rms vs run
χ² / ndf 1438 / 42
p0 2689 ± 2.958
2900
2800
2700
2600
2500
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

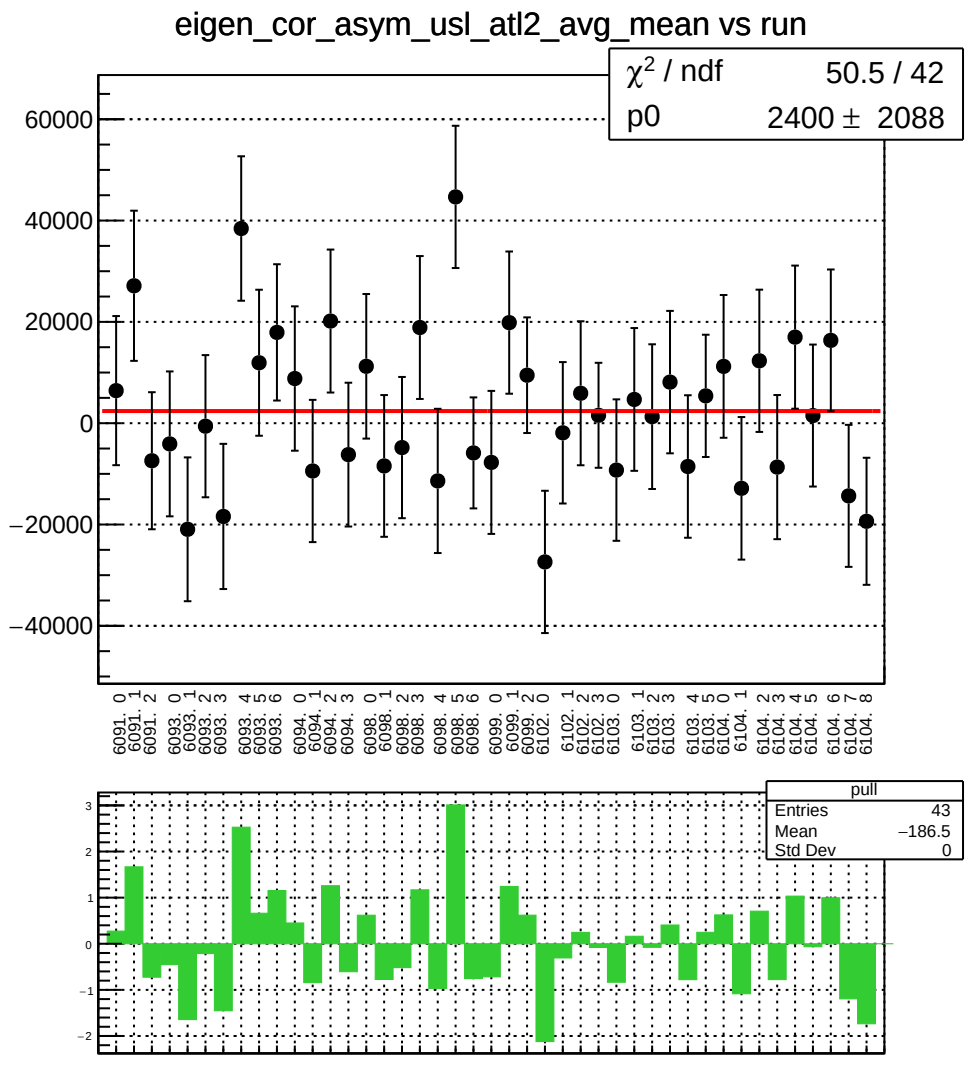

cor_asym_usl_atl2_avg_mean vs run
χ² / ndf 50.5 / 42
p0 2400 ± 2088
60000
40000
20000
0
−20000
−40000
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean −186.5
Std Dev 0
3
2
1
0
−1
−2

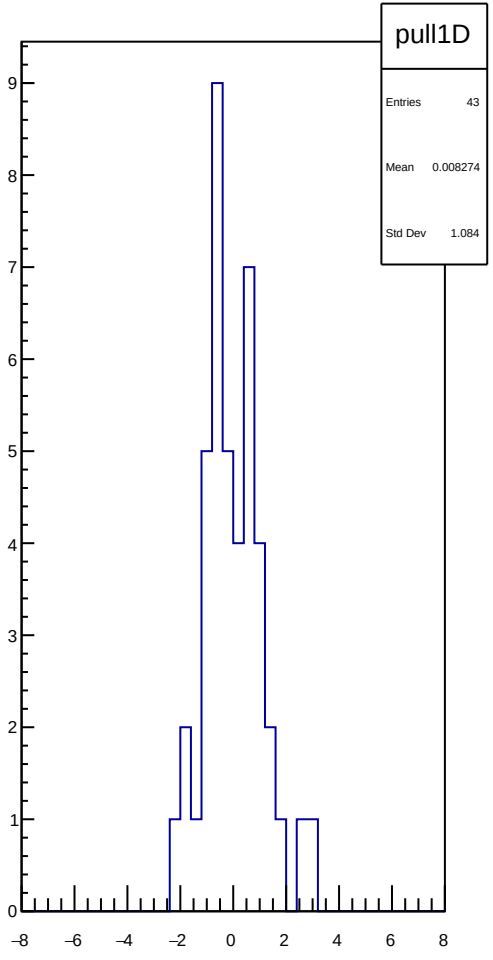

pull1D
Entries 43
Mean 0.008274
Std Dev 1.084
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


cor_asym_usl_atl2_avg_rms vs run
χ² / ndf 191.3 / 42
p0 1343 ± 1.477
1440
1420
1400
1380
1360
1340
1320
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8


asym_usl_atl2_avg_cor_correction_mean vs run
×10^3
χ² / ndf 43.38 / 42
p0 3455 ± 4183
100
50
0
−50
−100
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 18.29
Std Dev 0
2
1
0
−1
−2
−3
pull1D
Entries 43
Mean 0.01143
Std Dev 1.004
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


asym_usl_atl2_avg_cor_correction_rms vs run
χ² / ndf 1438 / 42
p0 2689 ± 2.958
2900
2800
2700
2600
2500
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8


eigen_cor_asym_usl_atl2_avg_mean vs run
χ² / ndf 50.5 / 42
p0 2400 ± 2088
60000
40000
20000
0
−20000
−40000
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean −186.5
Std Dev 0
3
2
1
0
−1
−2


pull1D
Entries 43
Mean 0.008274
Std Dev 1.084
9
8
7
6
5
4
3
2
1
0
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−4
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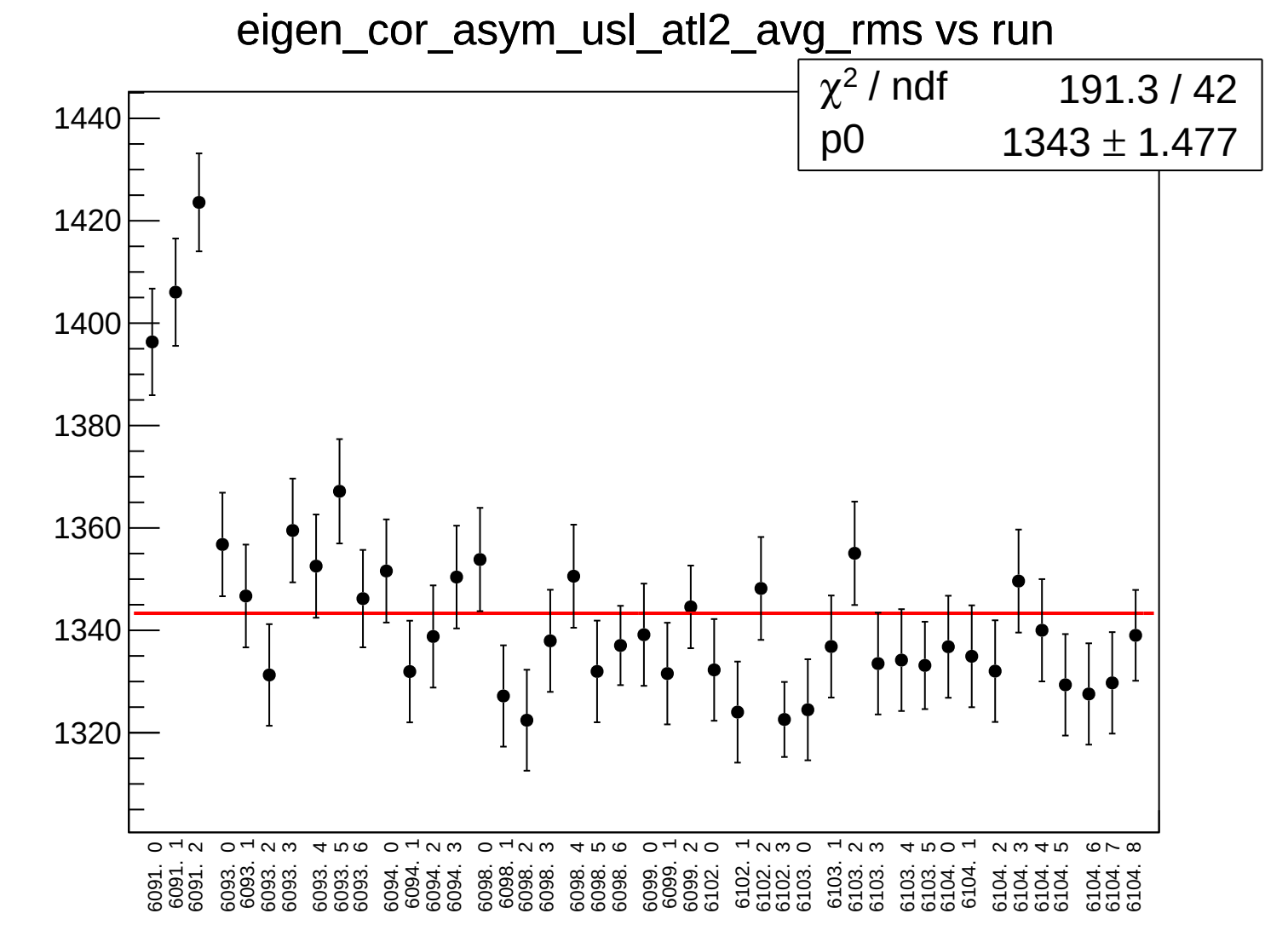
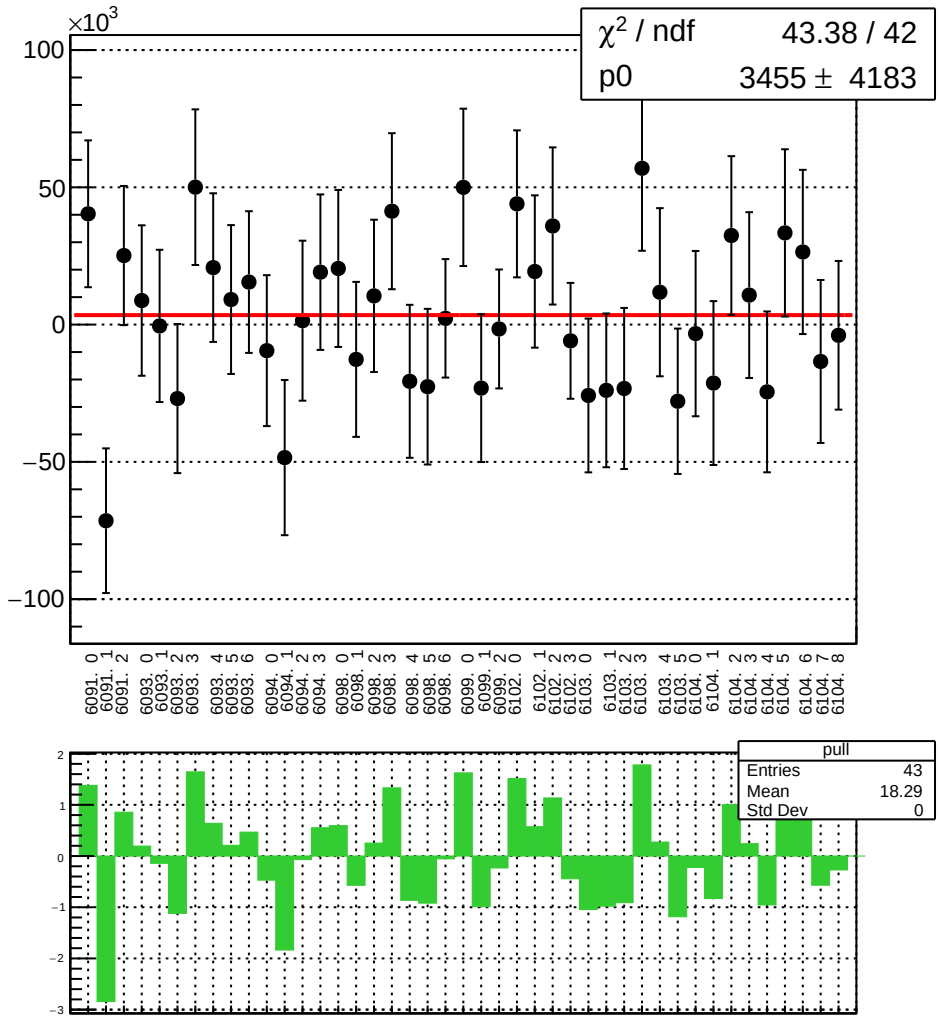
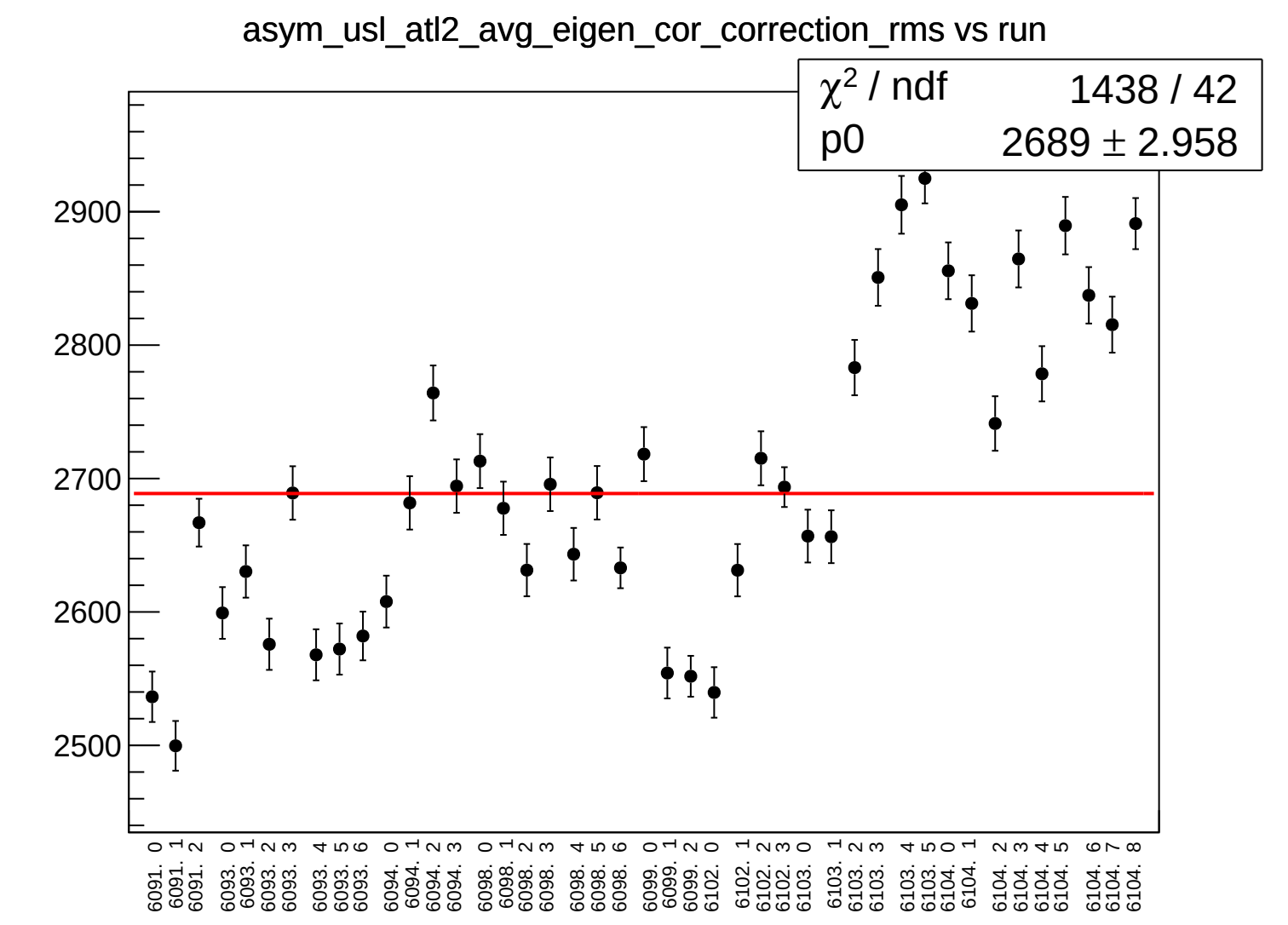
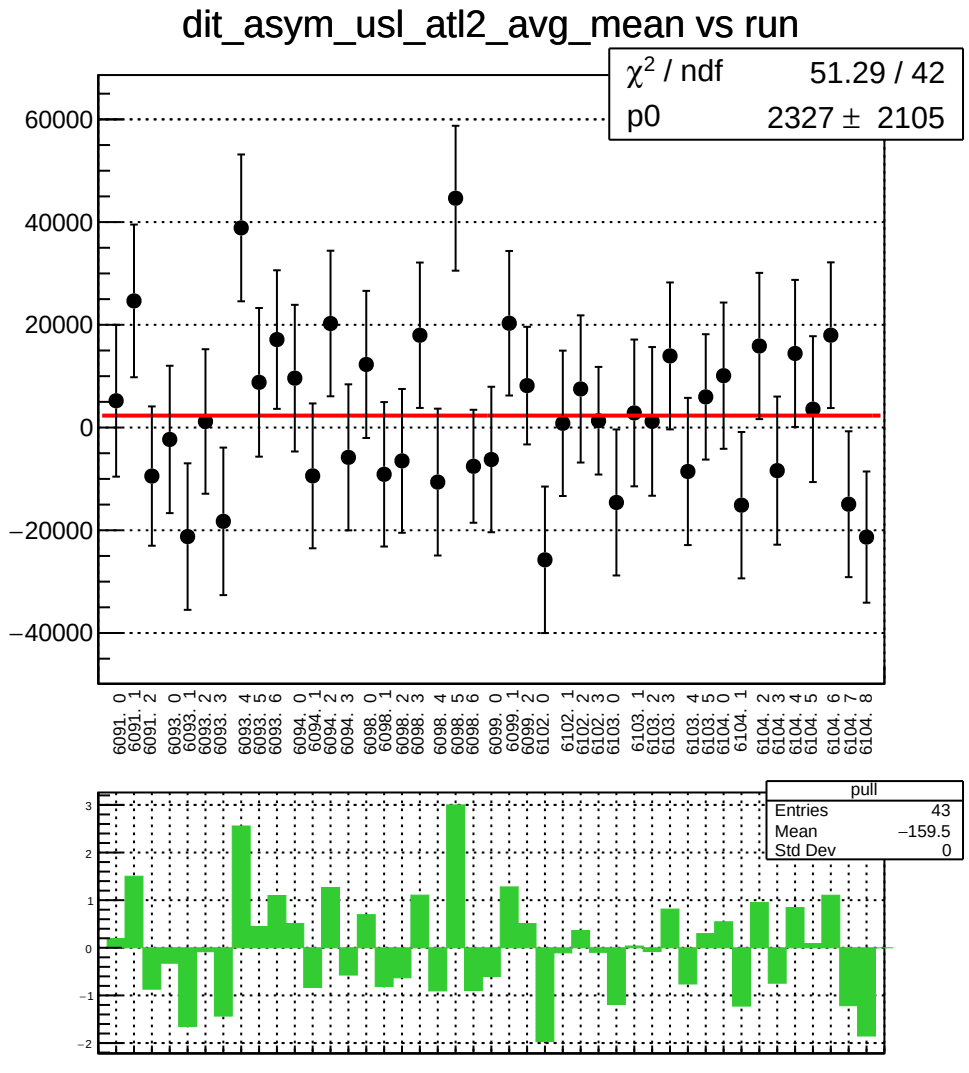
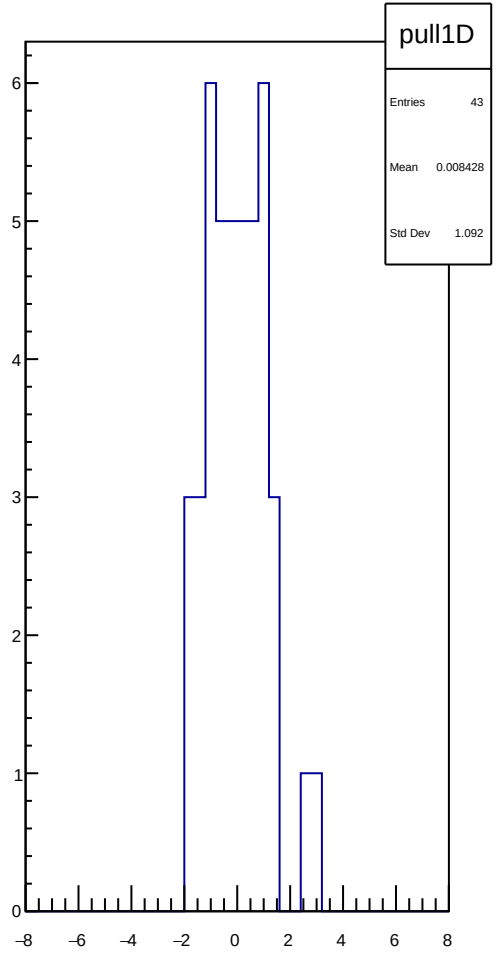
2
4
6
8

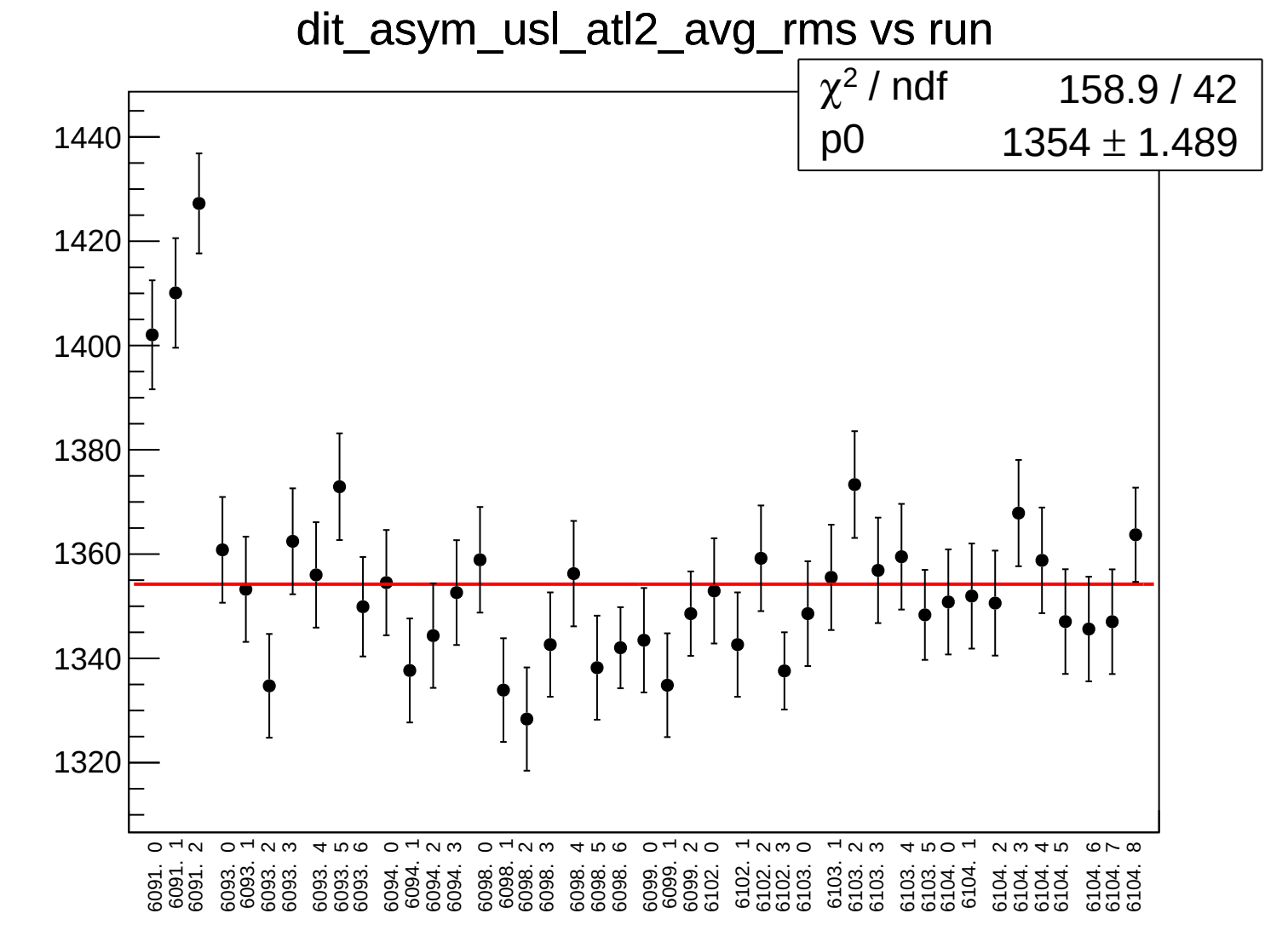

eigen_cor_asym_usl_atl2_avg_rms vs run
χ² / ndf 191.3 / 42
p0 1343 ± 1.477
1440
1420
1400
1380
1360
1340
1320
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

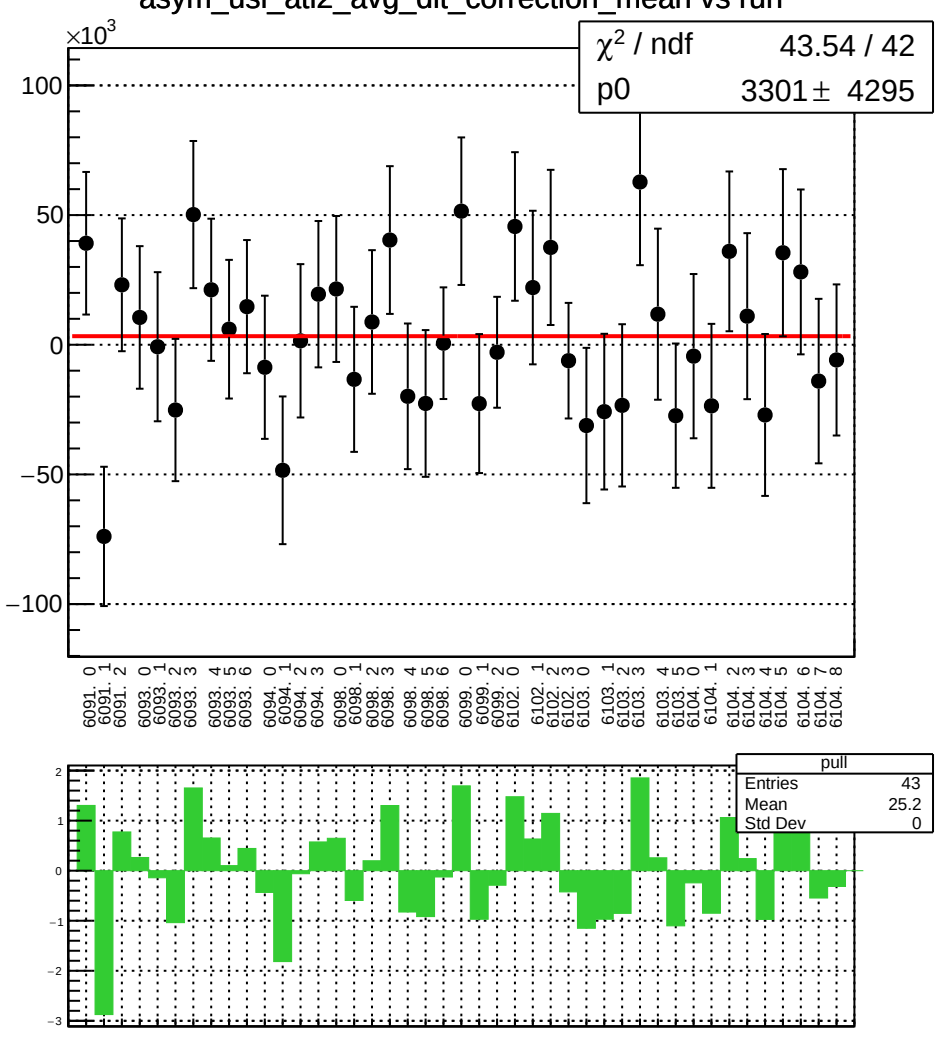

asym_usl_atl2_avg_eigen_cor_correction_mean vs run
×10^3
χ² / ndf 43.38 / 42
p0 3455 ± 4183
100
50
0
−50
−100
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 18.29
Std Dev 0
2
1
0
−1
−2
−3
pull1D
Entries 43
Mean 0.01143
Std Dev 1.004
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

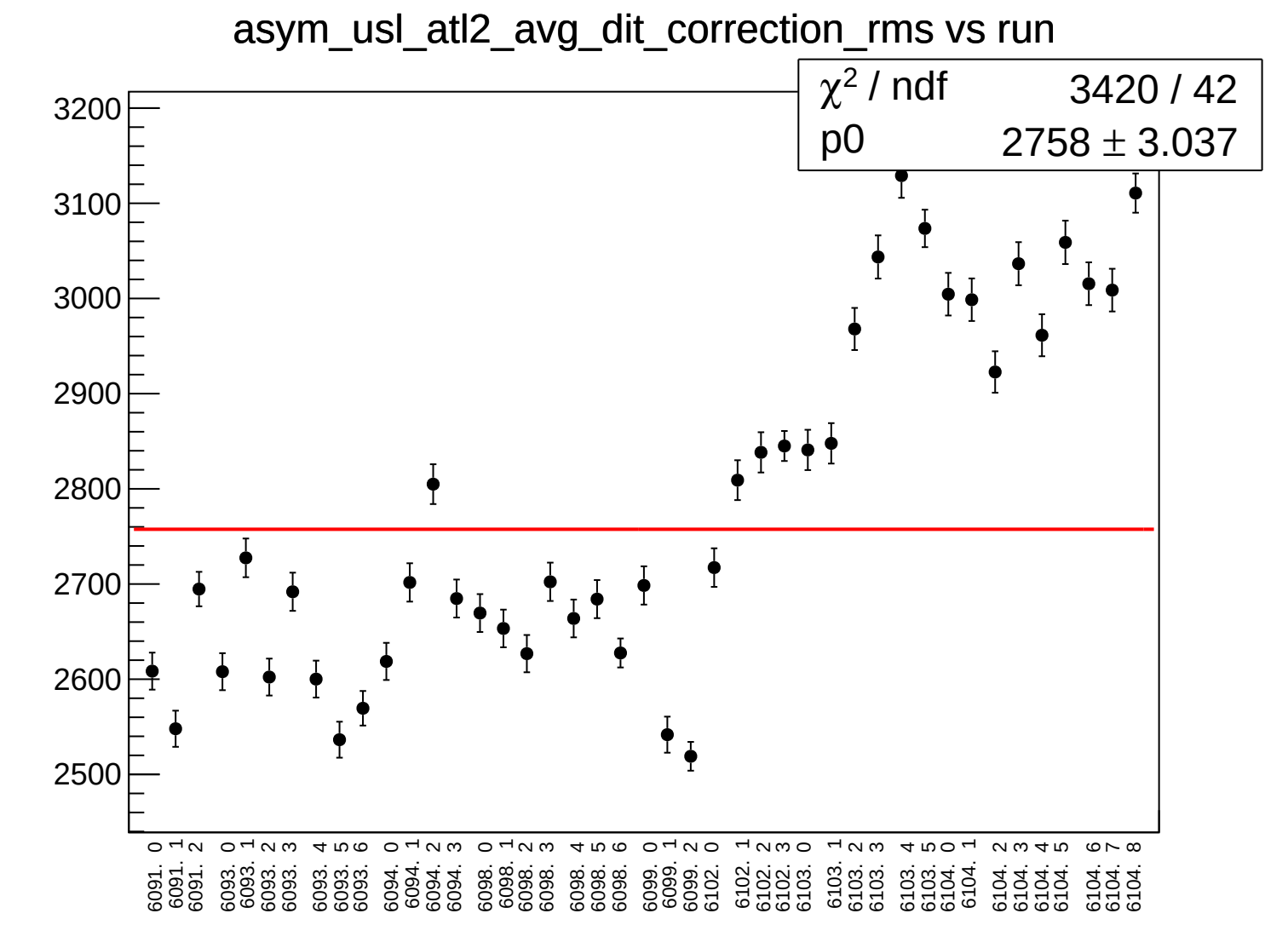

asym_usl_atl2_avg_eigen_cor_correction_rms vs run
χ² / ndf 1438 / 42
p0 2689 ± 2.958
2900
2800
2700
2600
2500
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

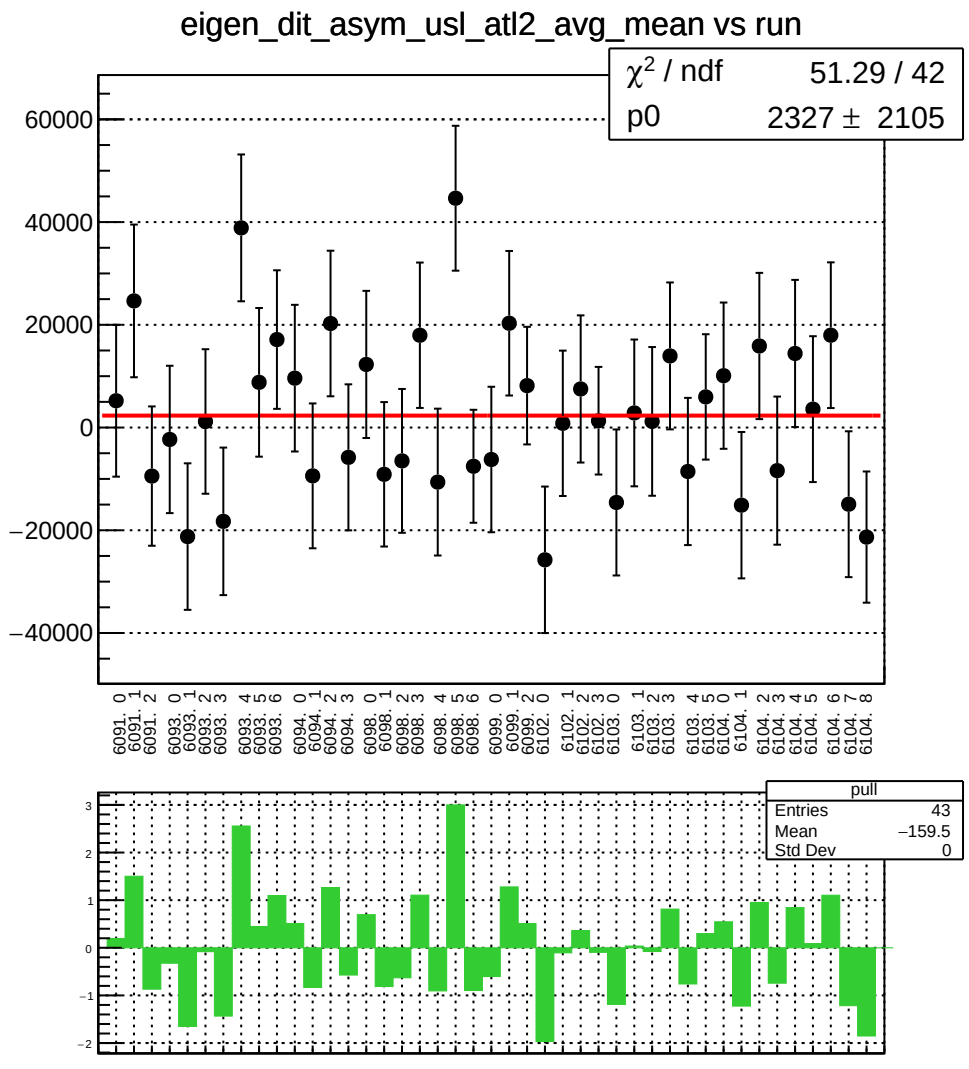

dit_asym_usl_atl2_avg_mean vs run
χ² / ndf 51.29 / 42
p0 2327 ± 2105
60000
40000
20000
0
−20000
−40000
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean −159.5
Std Dev 0
3
2
1
0
−1
−2

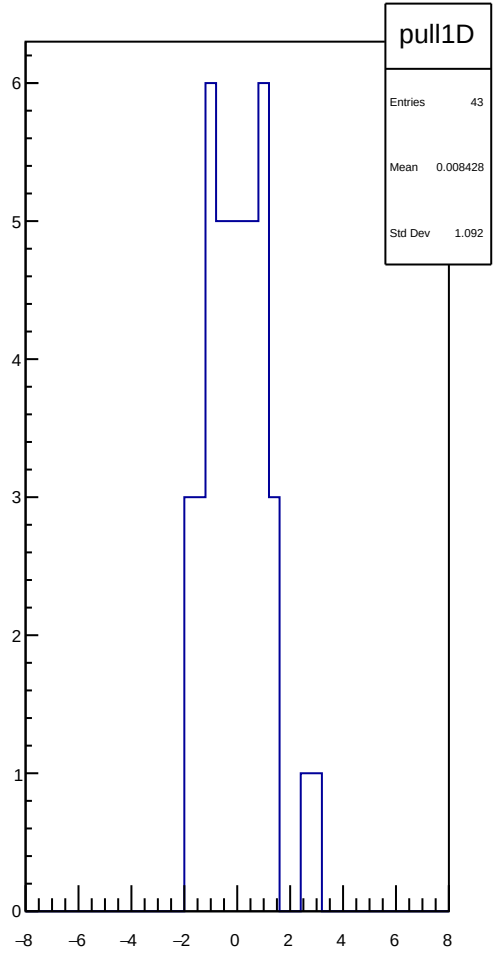

pull1D
Entries 43
Mean 0.008428
Std Dev 1.092
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

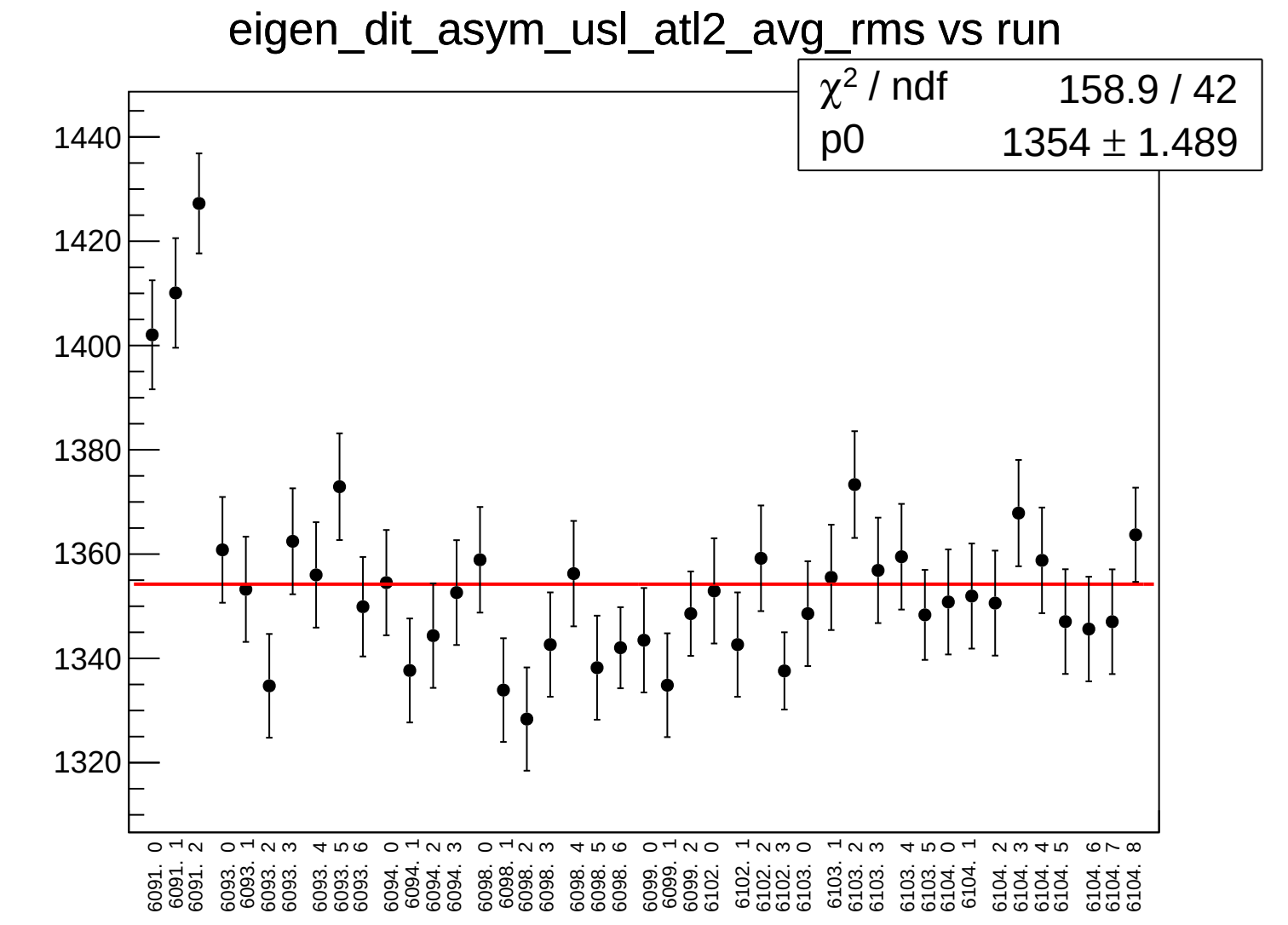

dit_asym_usl_atl2_avg_rms vs run
χ² / ndf 158.9 / 42
p0 1354 ± 1.489
1440
1420
1400
1380
1360
1340
1320
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

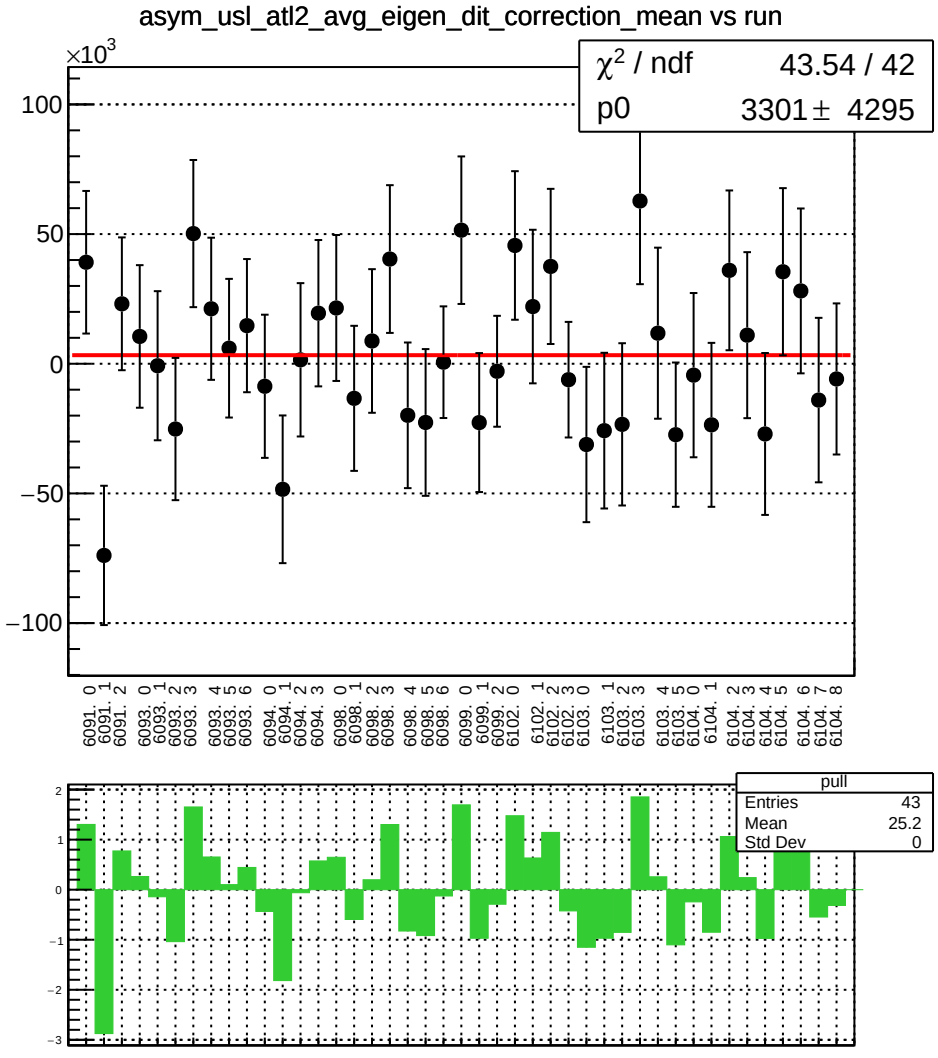

asym_usl_atl2_avg_dit_correction_mean vs run
×10^3
χ² / ndf 43.54 / 42
p0 3301 ± 4295
100
50
0
−50
−100
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 25.2
Std Dev 0
2
1
0
−1
−2
−3
pull1D
Entries 43
Mean 0.01256
Std Dev 1.006
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

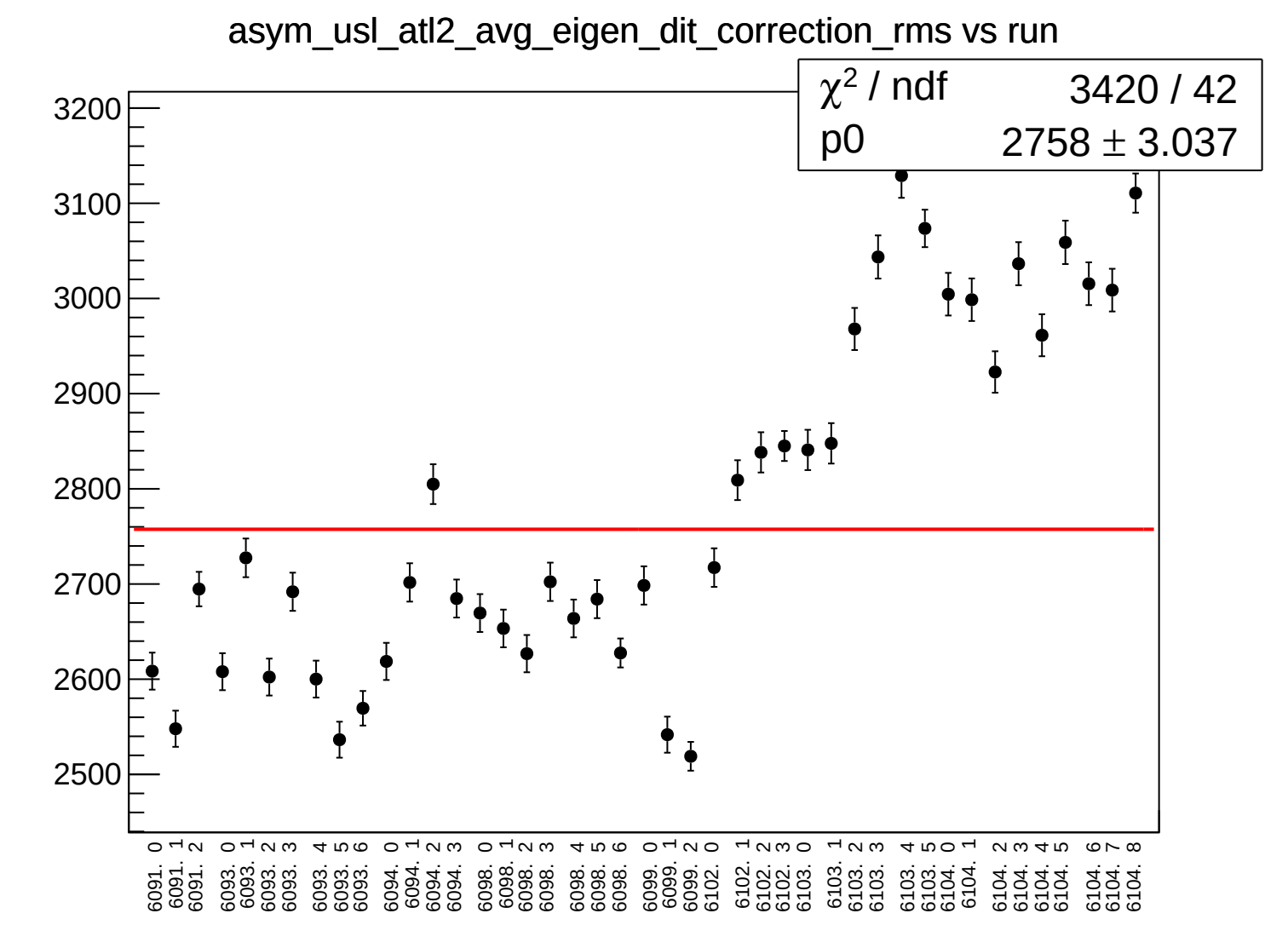

asym_usl_atl2_avg_dit_correction_rms vs run
χ² / ndf 3420 / 42
p0 2758 ± 3.037
3200
3100
3000
2900
2800
2700
2600
2500
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

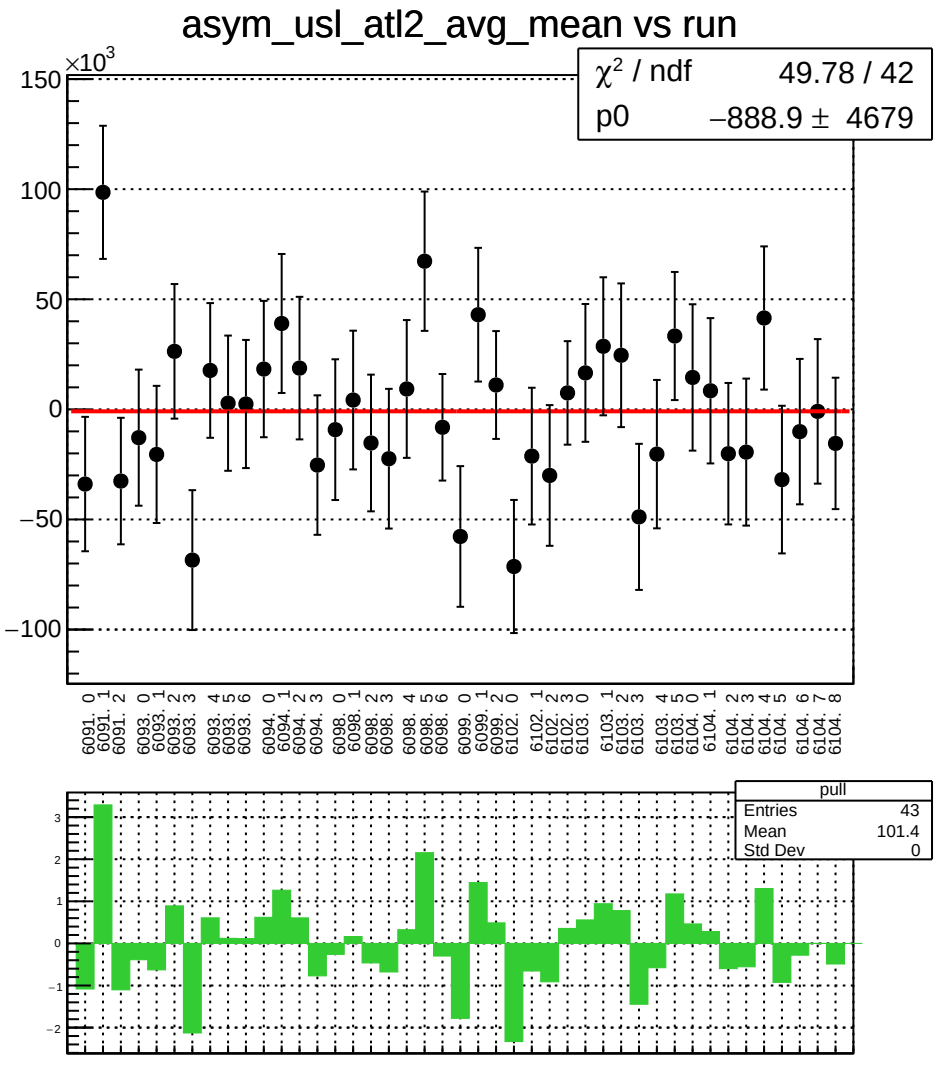

eigen_dit_asym_usl_atl2_avg_mean vs run
χ² / ndf 51.29 / 42
p0 2327 ± 2105
60000
40000
20000
0
−20000
−40000
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean −159.5
Std Dev 0
3
2
1
0
−1
−2

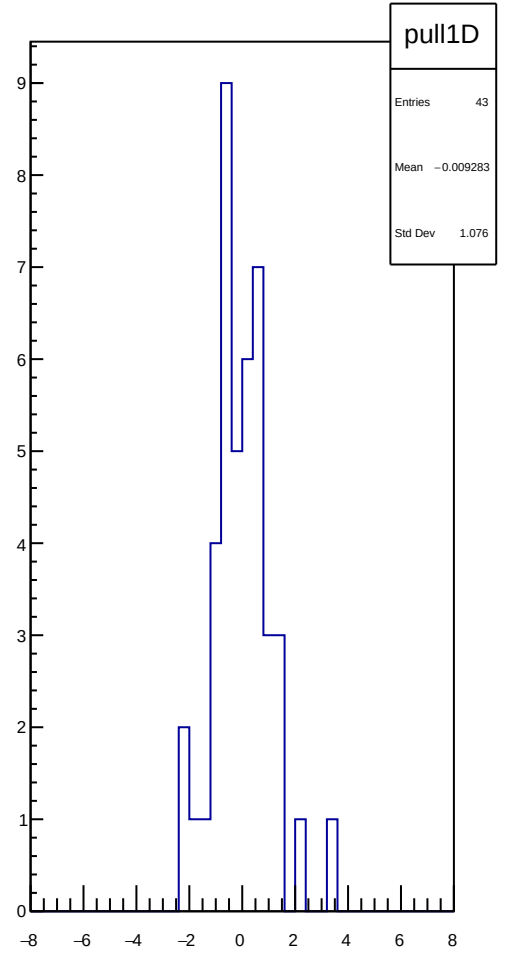

pull1D
Entries 43
Mean 0.008428
Std Dev 1.092
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

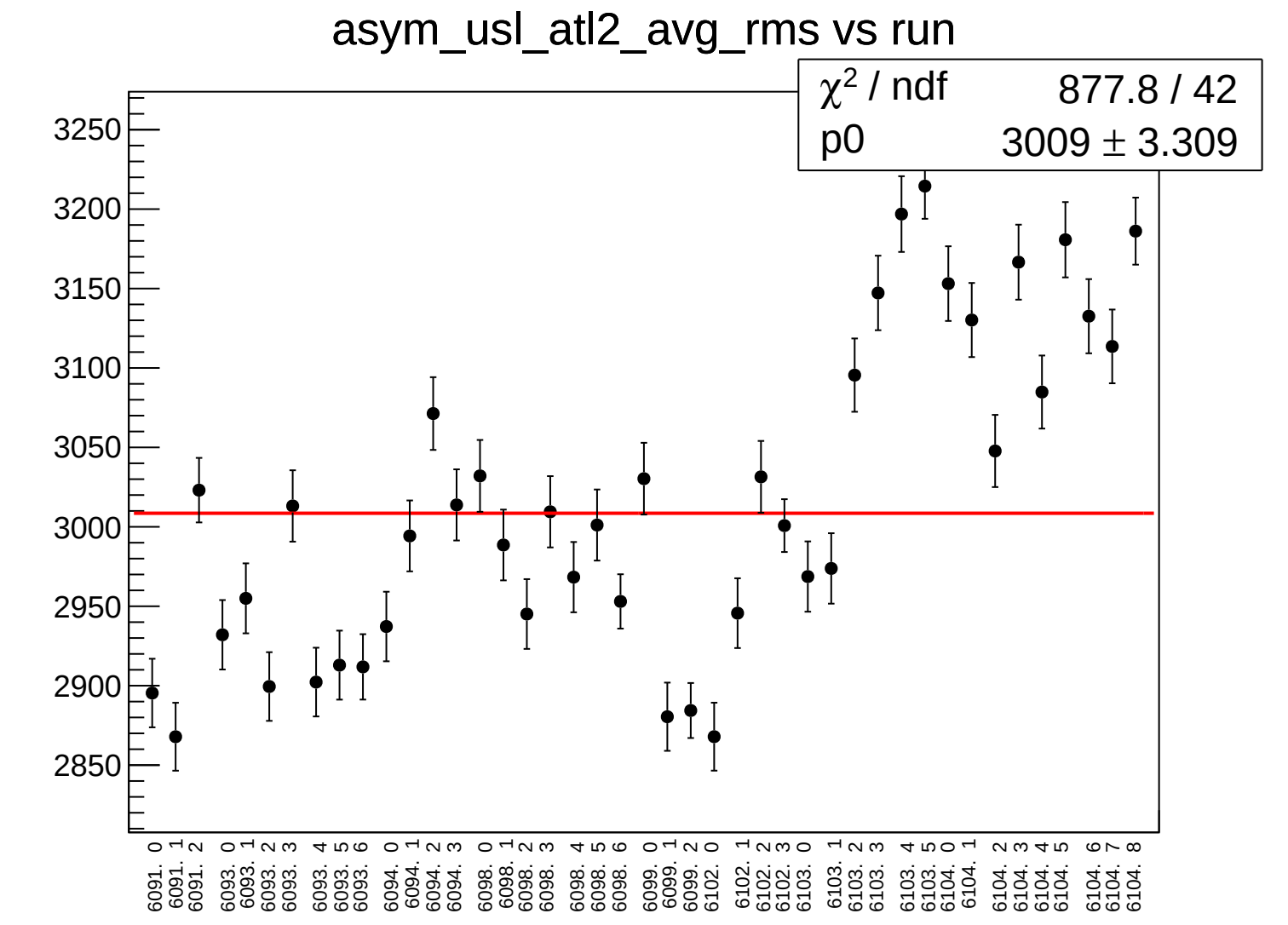

eigen_dit_asym_usl_atl2_avg_rms vs run
χ² / ndf 158.9 / 42
p0 1354 ± 1.489
1440
1420
1400
1380
1360
1340
1320
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

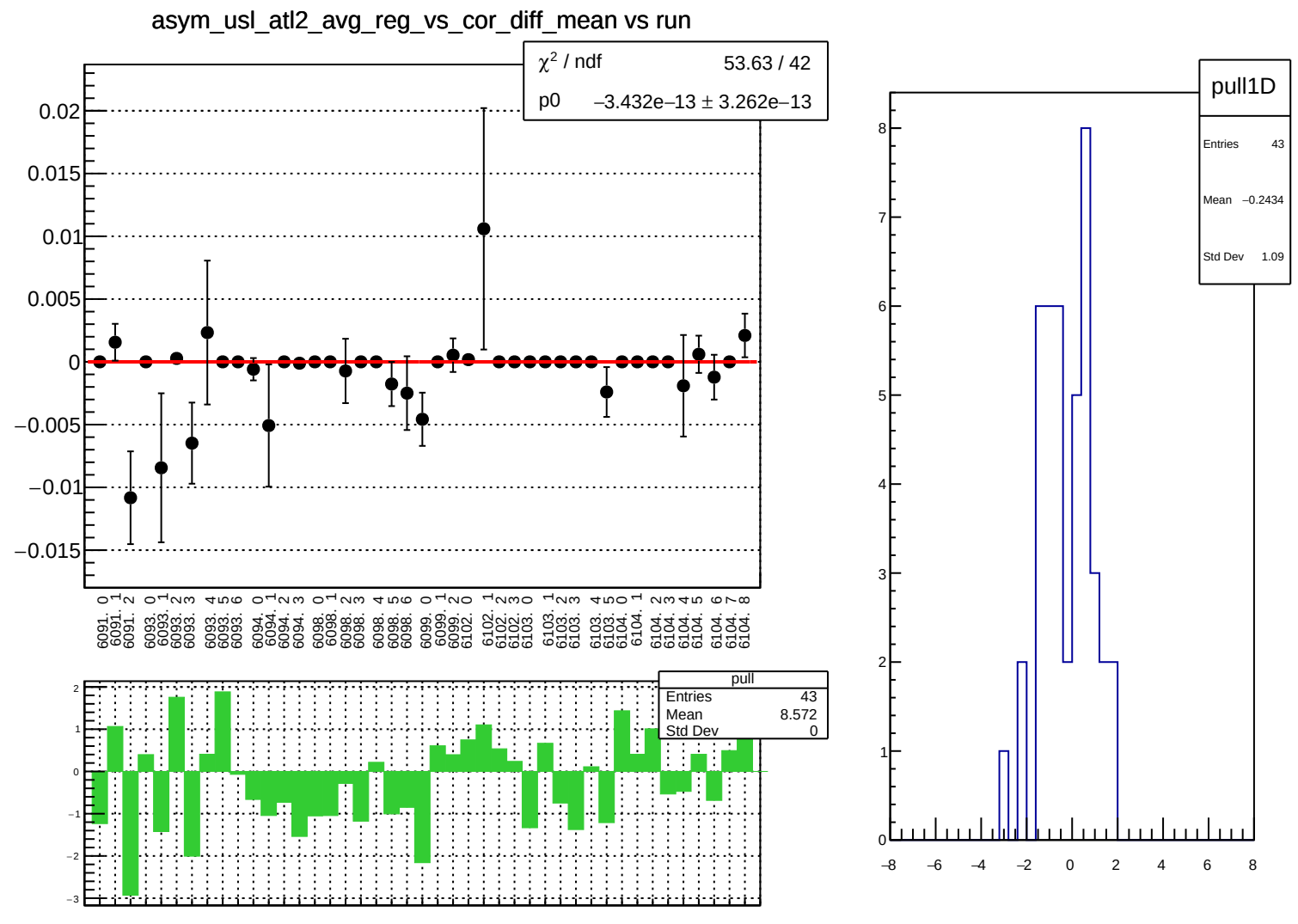

asym_usl_atl2_avg_eigen_dit_correction_mean vs run
×10^3
χ² / ndf 43.54 / 42
p0 3301 ± 4295
100
50
0
−50
−100
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 25.2
Std Dev 0
2
1
0
−1
−2
−3
pull1D
Entries 43
Mean 0.01256
Std Dev 1.006
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

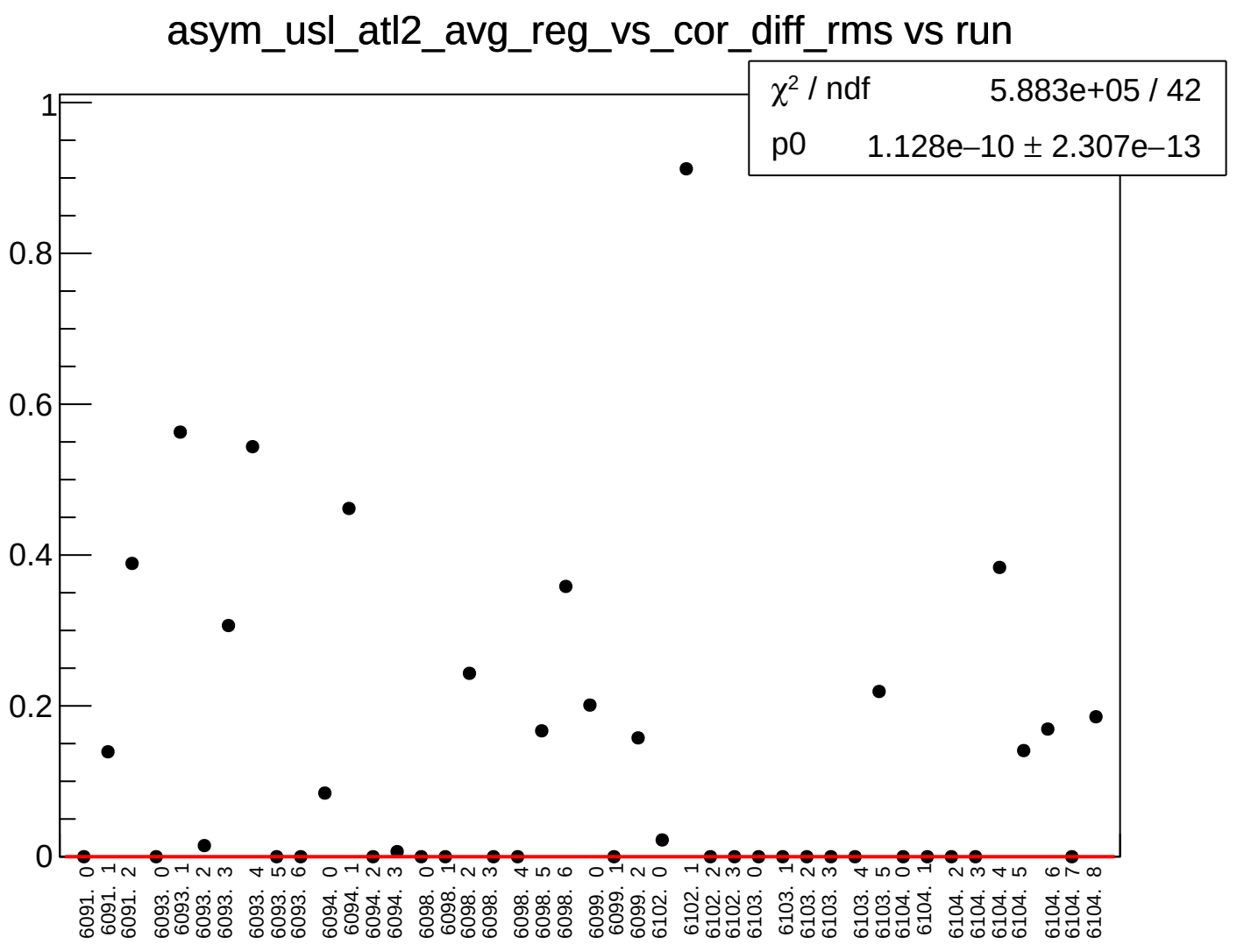

asym_usl_atl2_avg_eigen_dit_correction_rms vs run
χ² / ndf 3420 / 42
p0 2758 ± 3.037
3200
3100
3000
2900
2800
2700
2600
2500
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

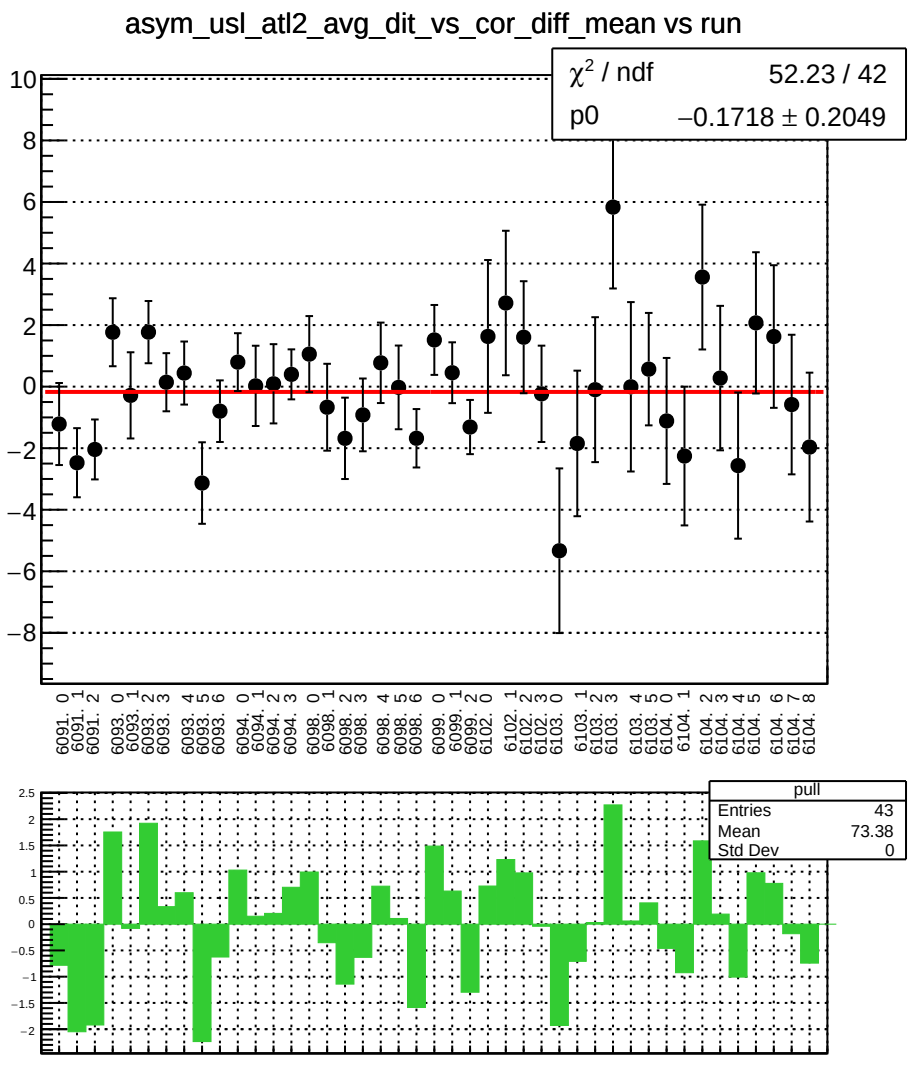

asym_usl_atl2_avg_mean vs run
χ² / ndf 49.78 / 42
p0 −888.9 ± 4679
×10³
150
100
50
0
−50
−100
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 101.4
Std Dev 0
3
2
1
0
−1
−2

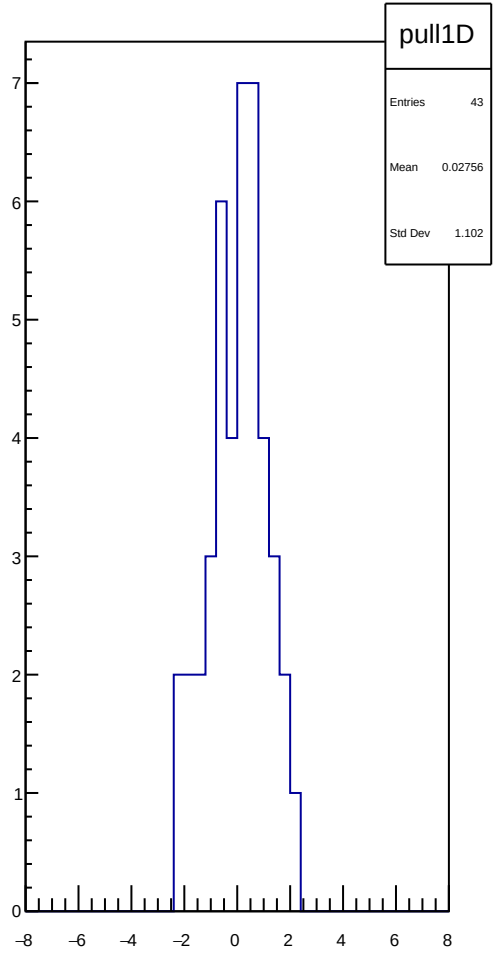

pull1D
Entries 43
Mean −0.009283
Std Dev 1.076
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

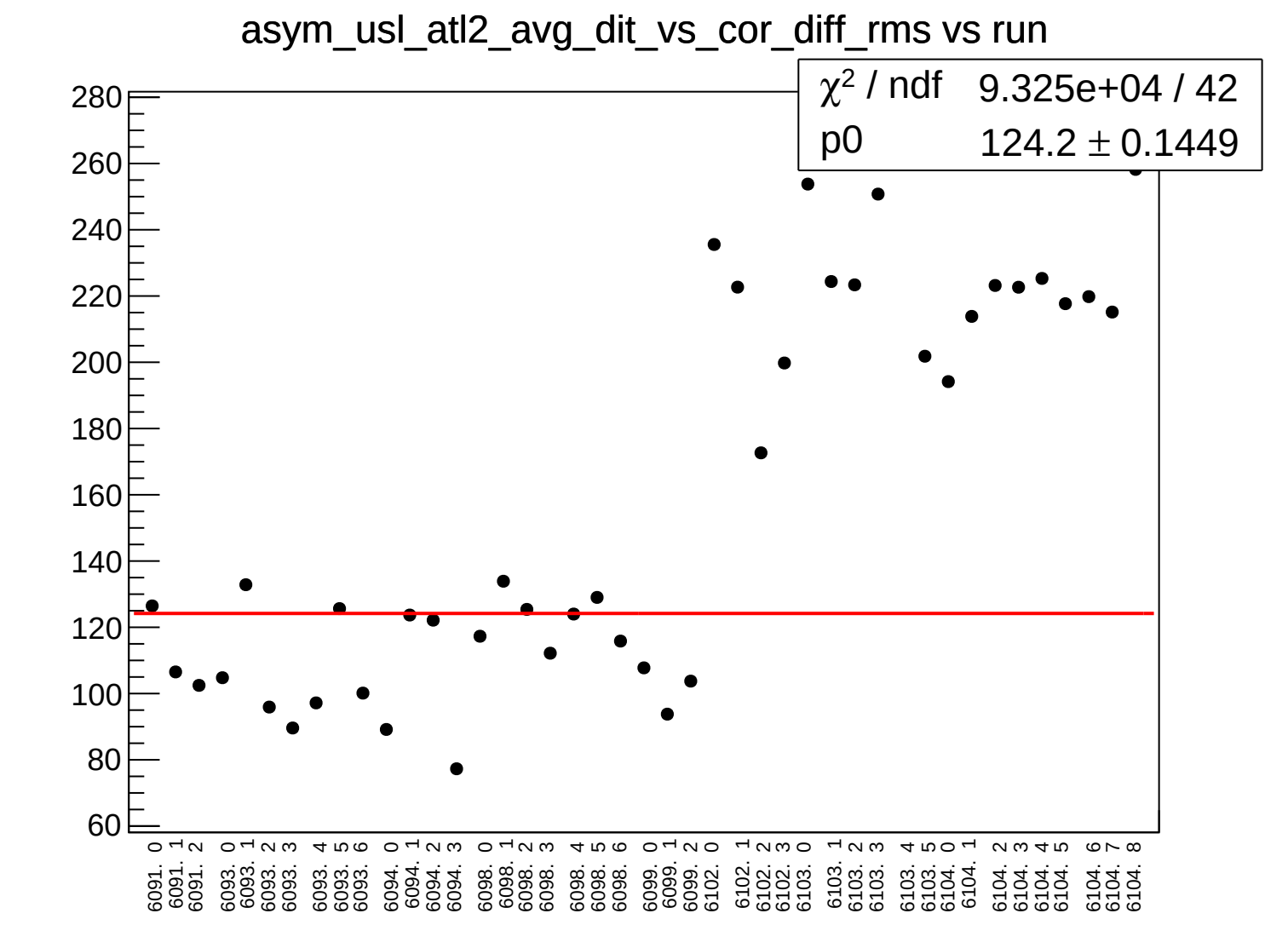

asym_usl_atl2_avg_rms vs run
χ² / ndf 877.8 / 42
p0 3009 ± 3.309
3250
3200
3150
3100
3050
3000
2950
2900
2850
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

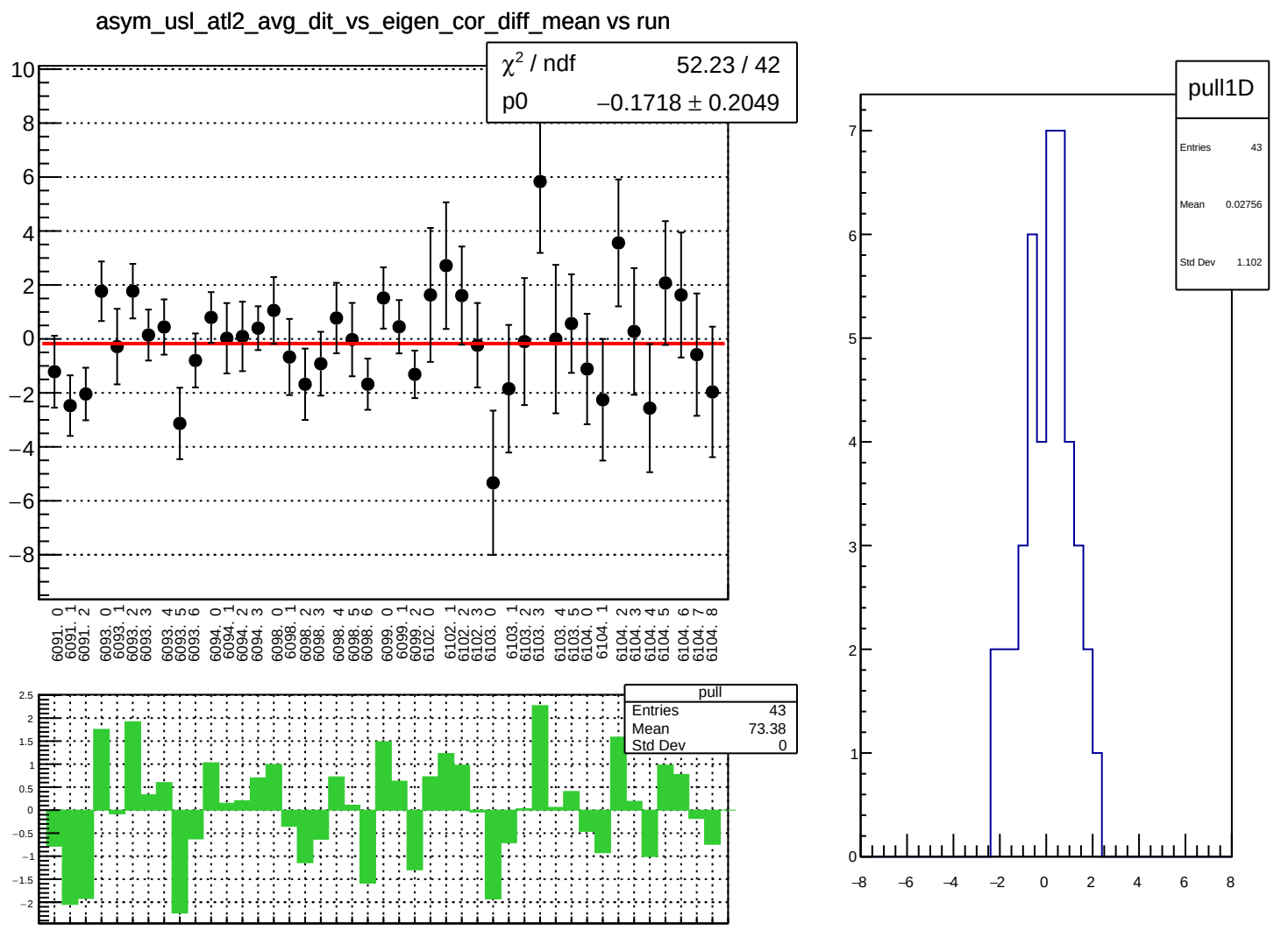

asym_usl_atl2_avg_reg_vs_cor_diff_mean vs run
χ² / ndf 53.63 / 42
p0 −3.432e−13 ± 3.262e−13
0.02
0.015
0.01
0.005
0
−0.005
−0.01
−0.015
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 8.572
Std Dev 0
2
1
0
−1
−2
−3
pull1D
Entries 43
Mean −0.2434
Std Dev 1.09
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

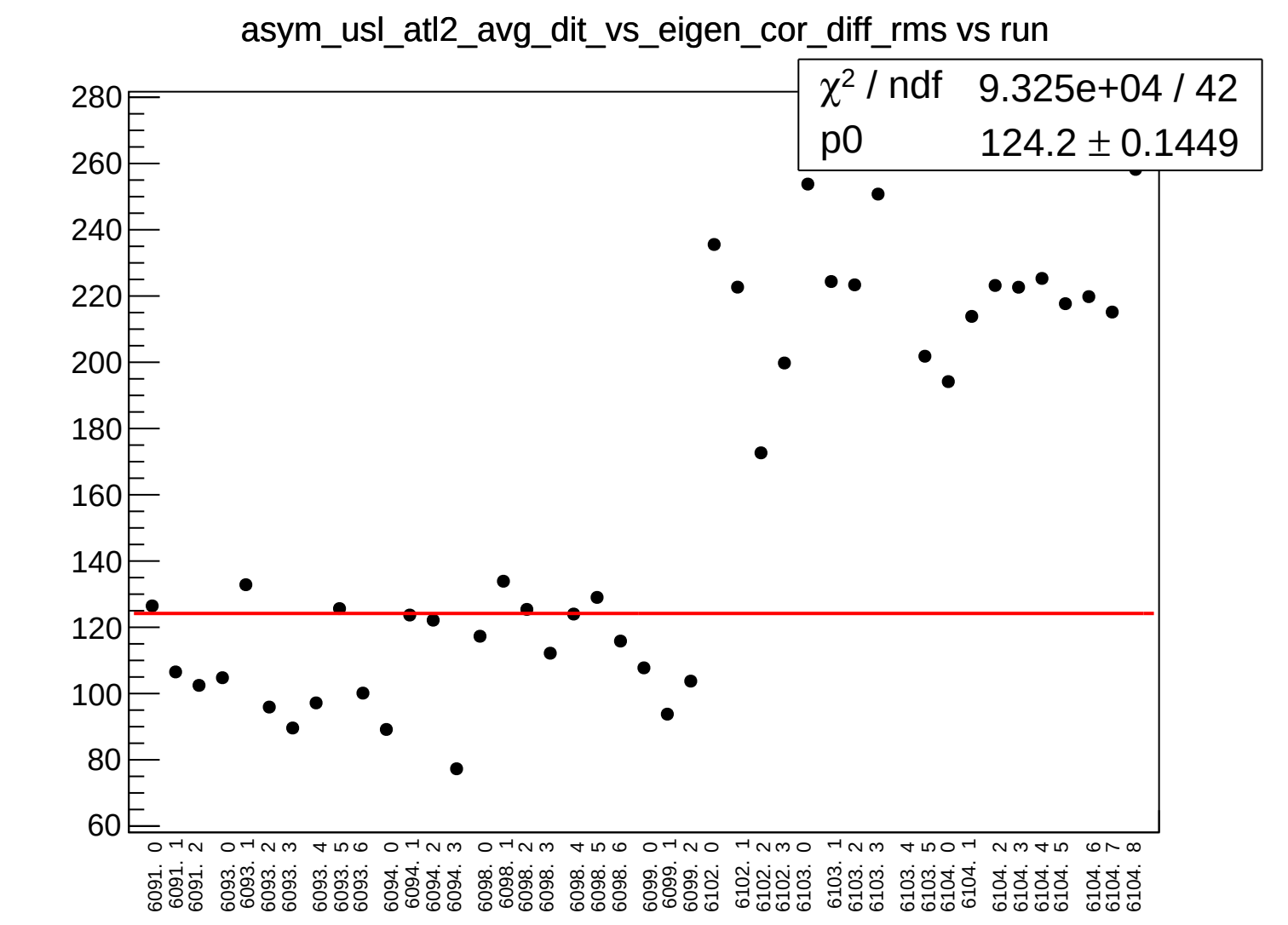

asym_usl_atl2_avg_reg_vs_cor_diff_rms vs run
χ² / ndf 5.883e+05 / 42
p0 1.128e−10 ± 2.307e−13
1
0.8
0.6
0.4
0.2
0
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

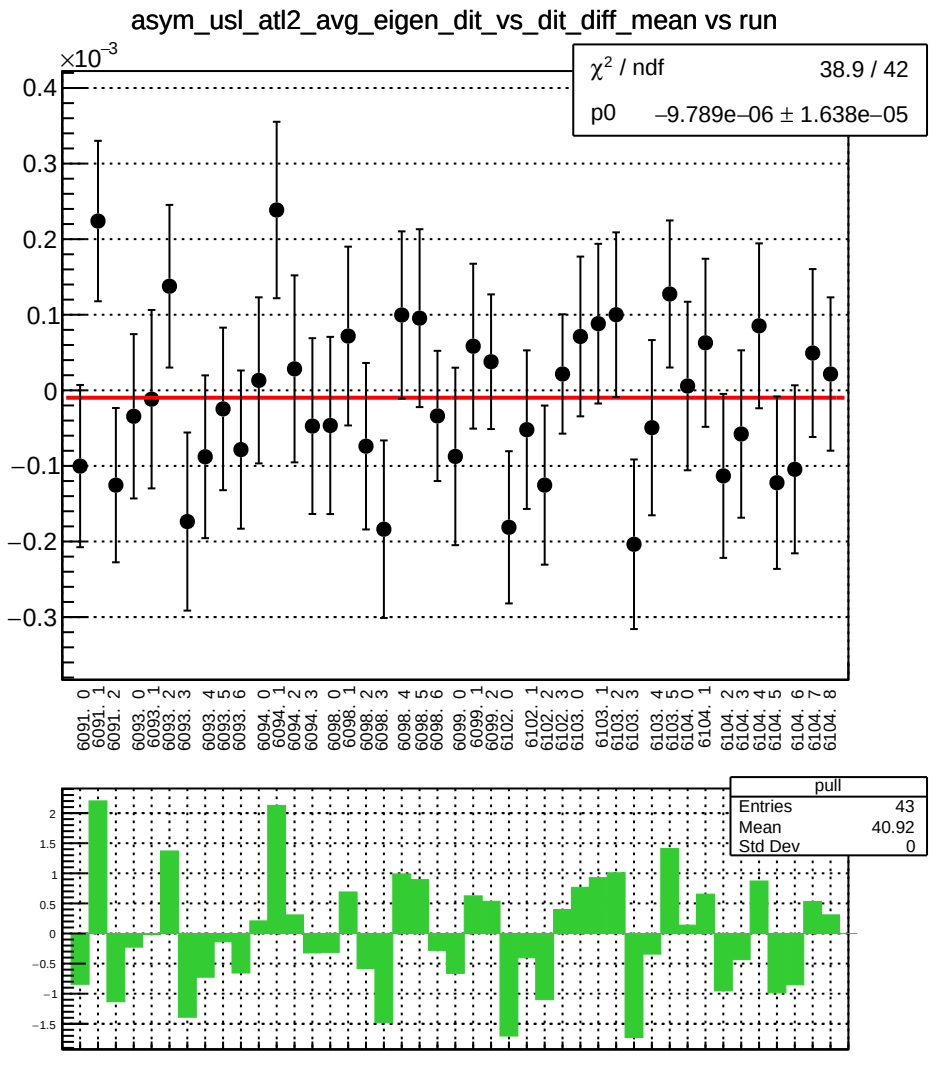

asym_usl_atl2_avg_dit_vs_cor_diff_mean vs run
χ² / ndf 52.23 / 42
p0 −0.1718 ± 0.2049
pull
Entries 43
Mean 73.38
Std Dev 0

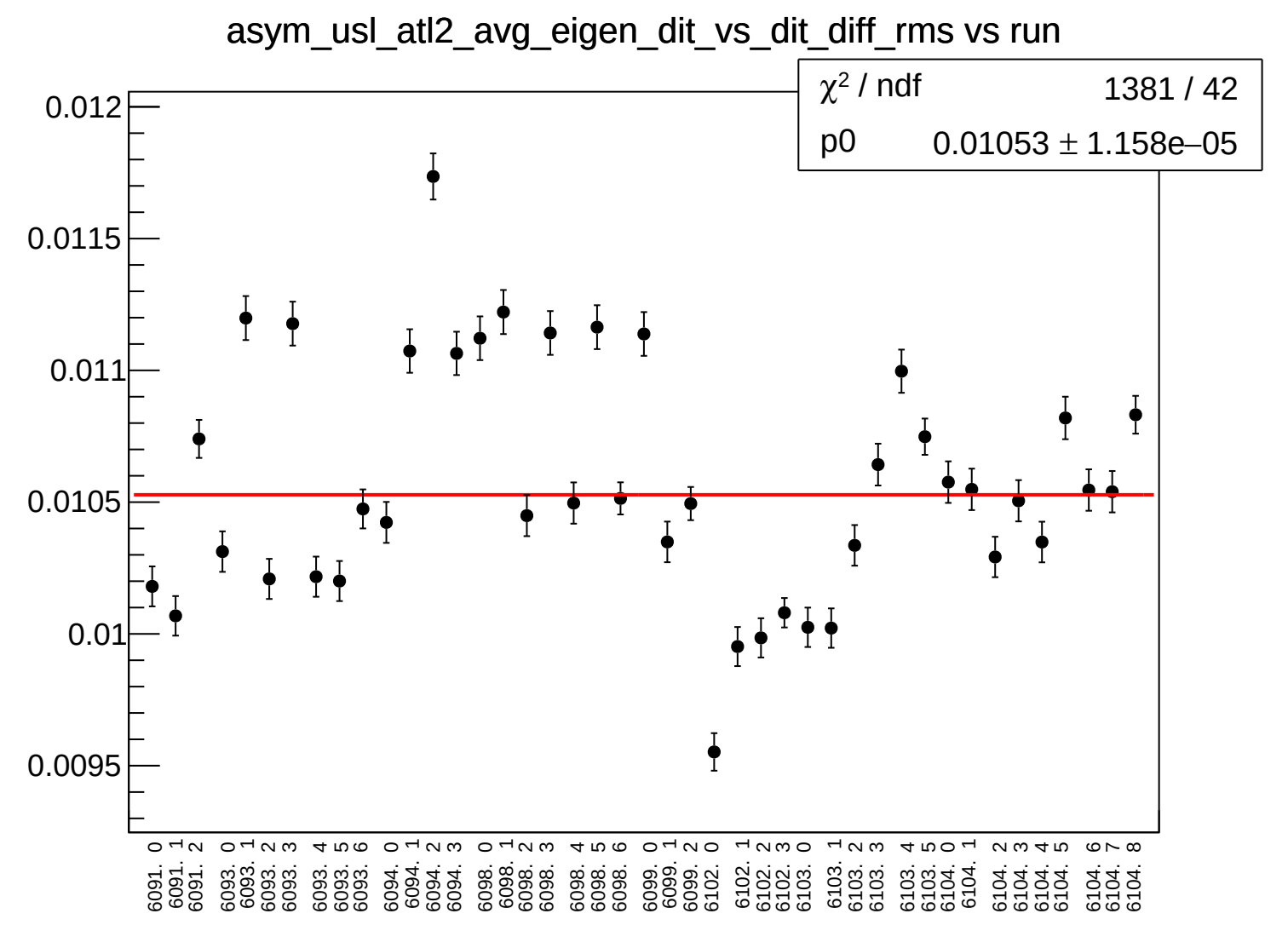

pull1D
Entries 43
Mean 0.02756
Std Dev 1.102

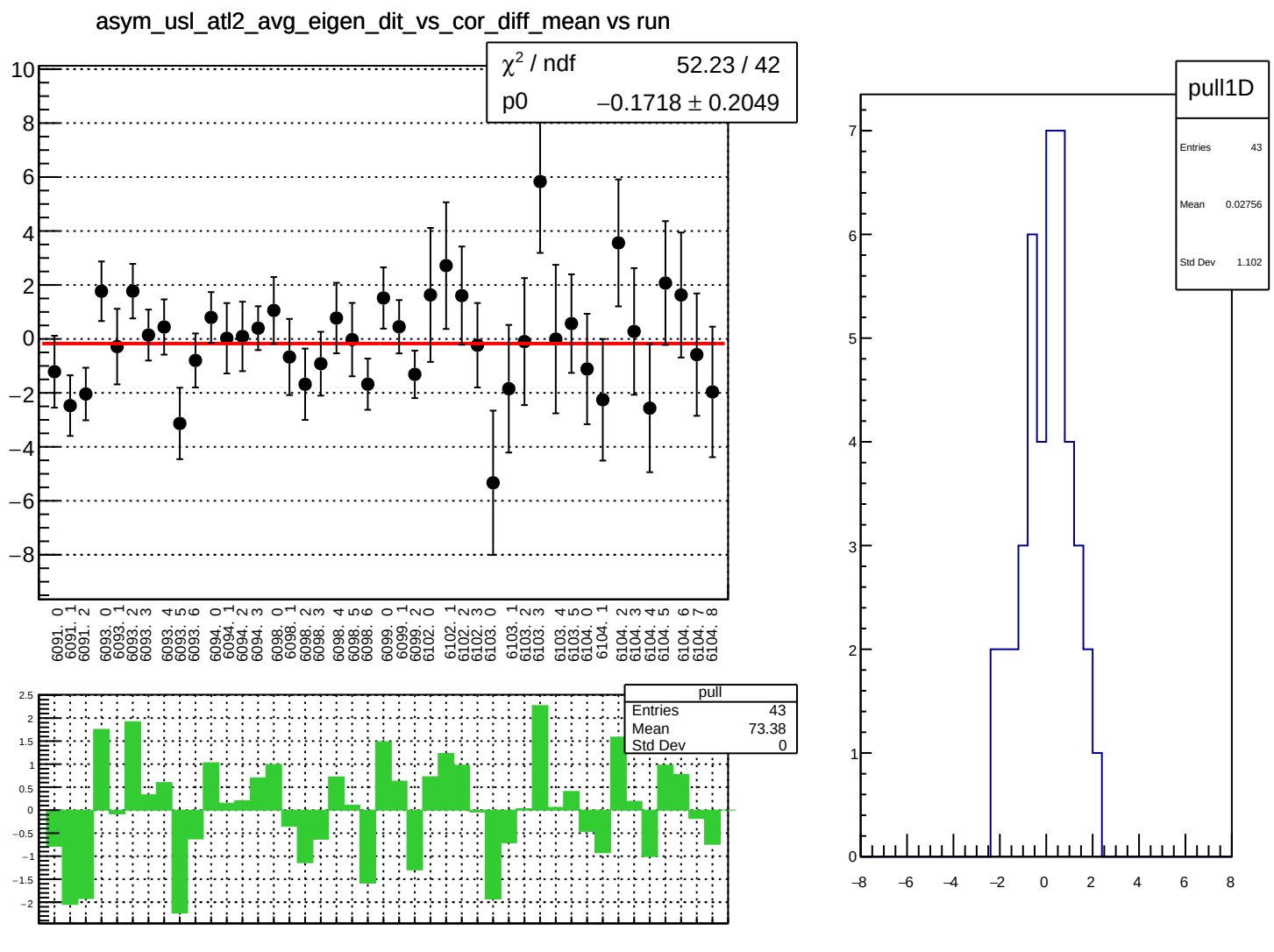

asym_usl_atl2_avg_dit_vs_cor_diff_rms vs run
χ² / ndf 9.325e+04 / 42
p0 124.2 ± 0.1449
280
260
240
220
200
180
160
140
120
100
80
60
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

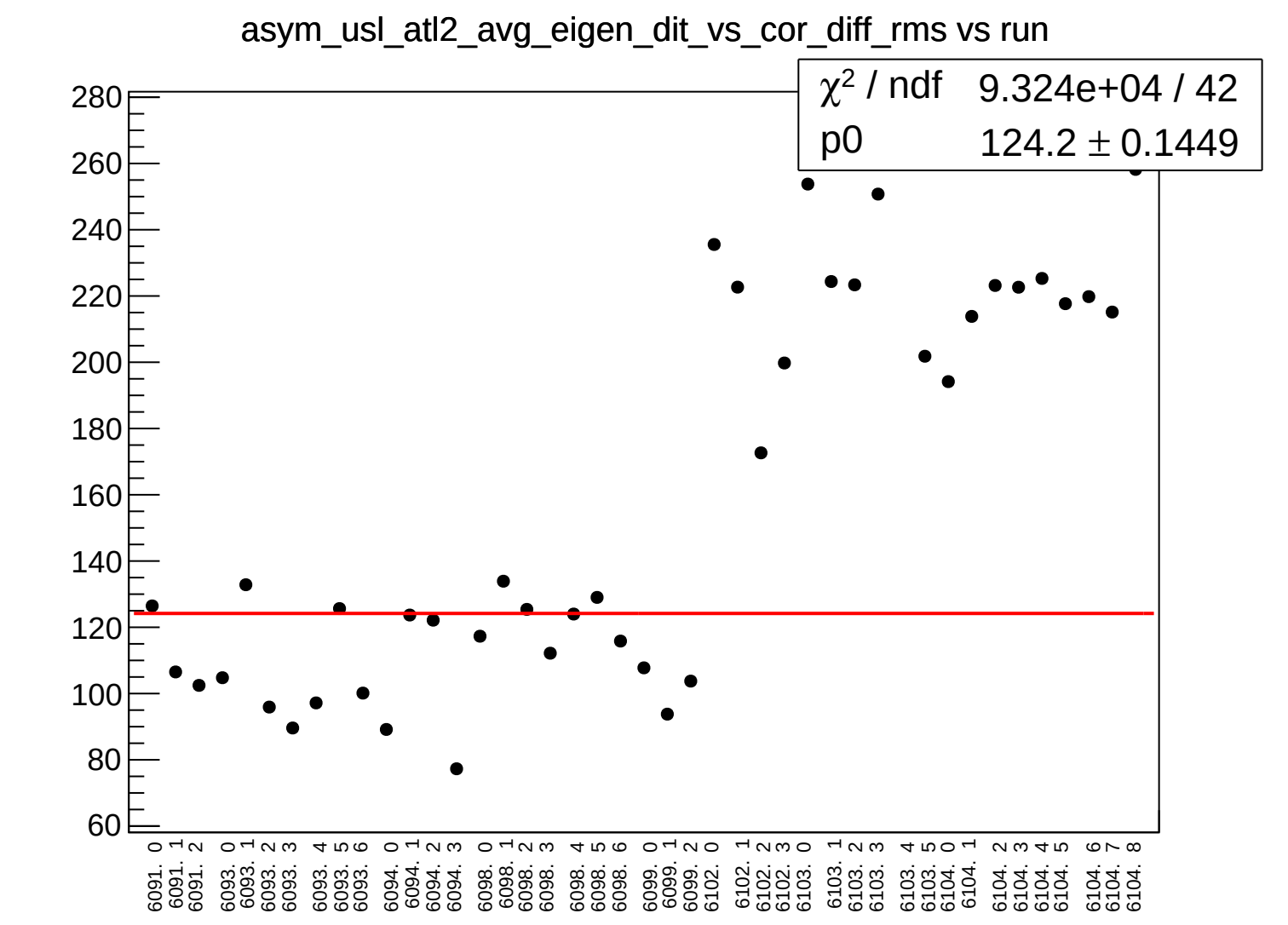

asym_usl_atl2_avg_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 52.23 / 42
p0 −0.1718 ± 0.2049
pull
Entries 43
Mean 73.38
Std Dev 0
pull1D
Entries 43
Mean 0.02756
Std Dev 1.102

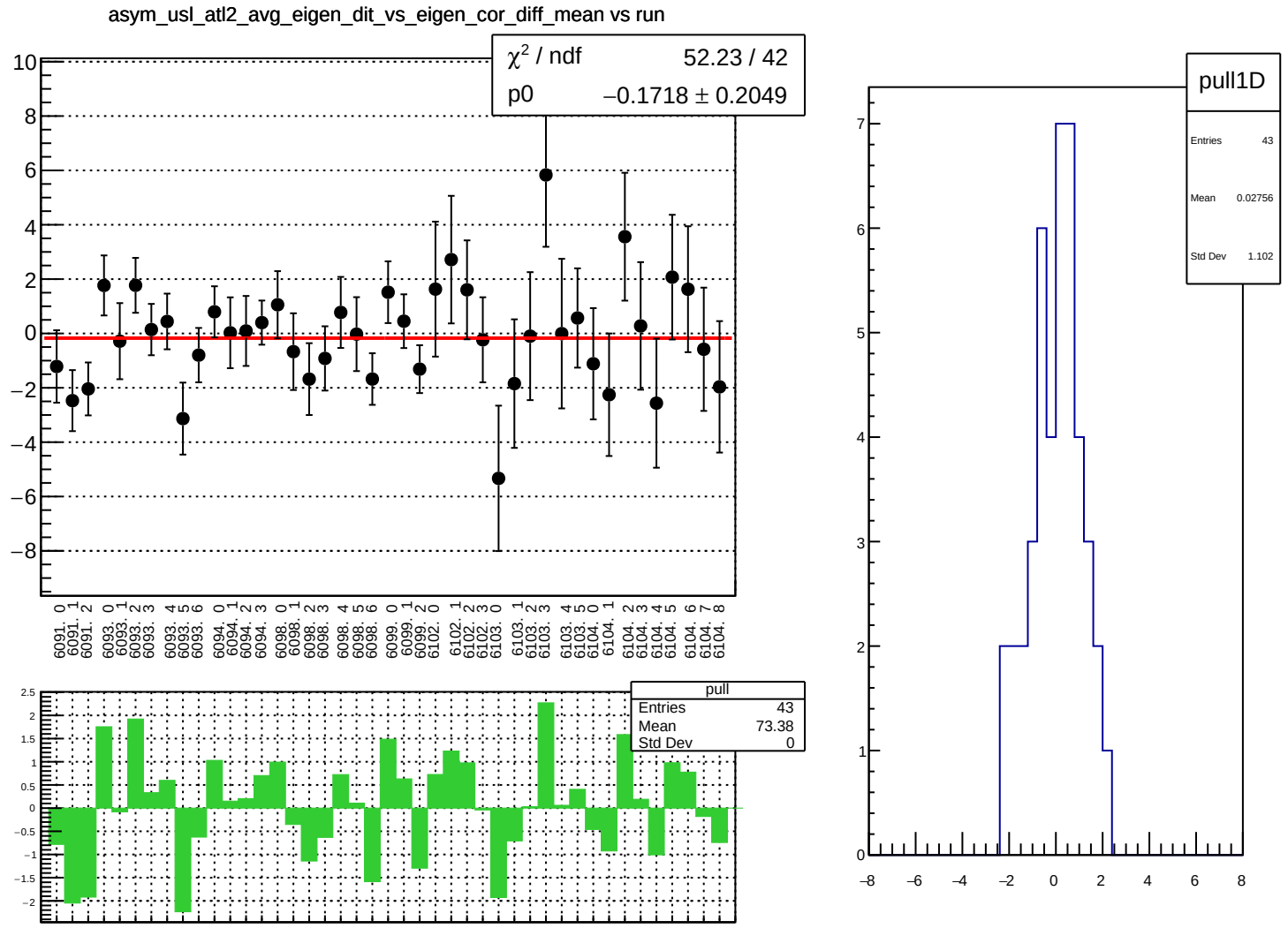

asym_usl_atl2_avg_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 9.325e+04 / 42
p0 124.2 ± 0.1449
280
260
240
220
200
180
160
140
120
100
80
60
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

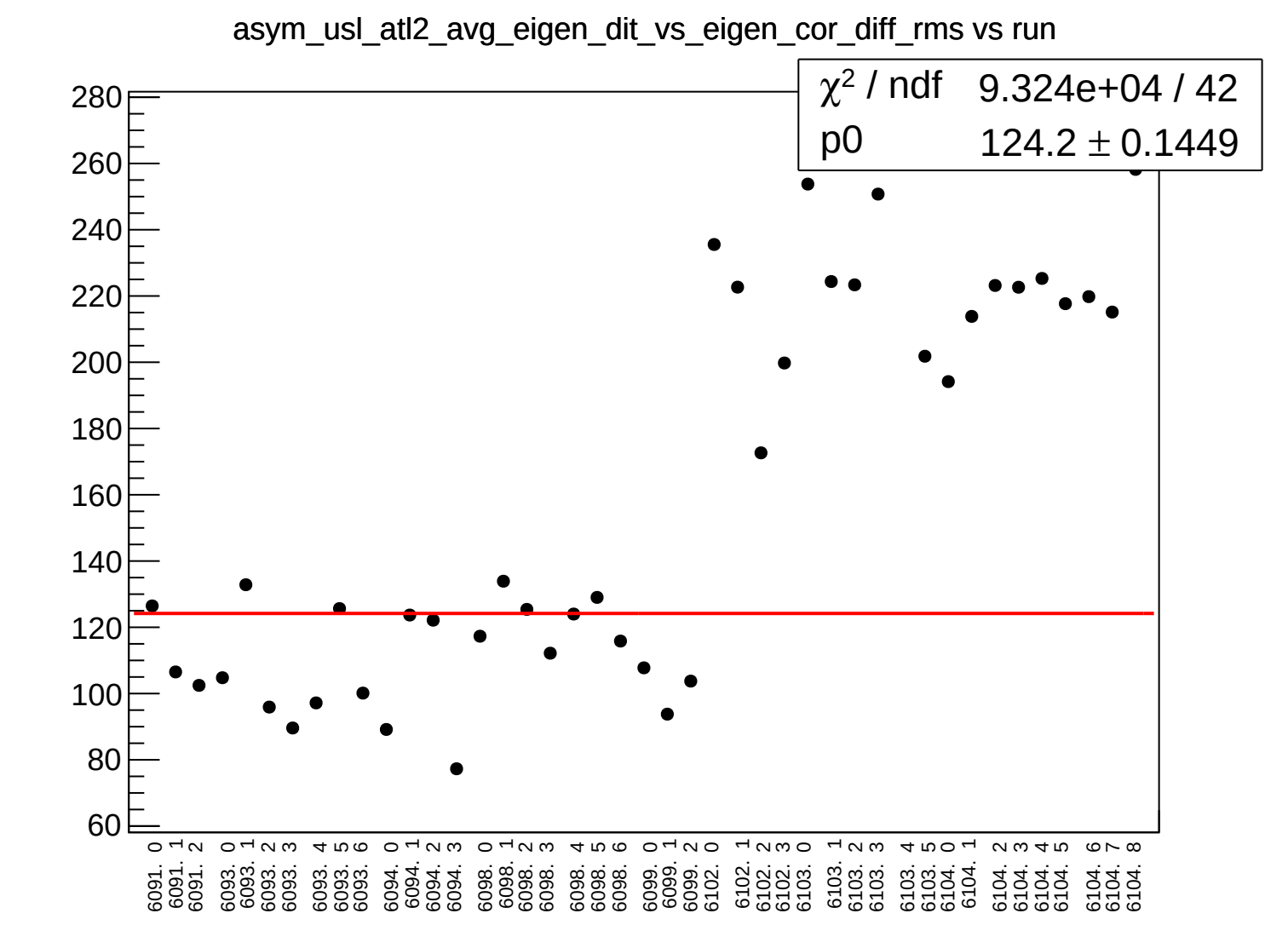

asym_usl_atl2_avg_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 38.9 / 42
p0 −9.789e−06 ± 1.638e−05
0.4
0.3
0.2
0.1
0
−0.1
−0.2
−0.3
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 40.92
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 43
Mean −0.006861
Std Dev 0.9511
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

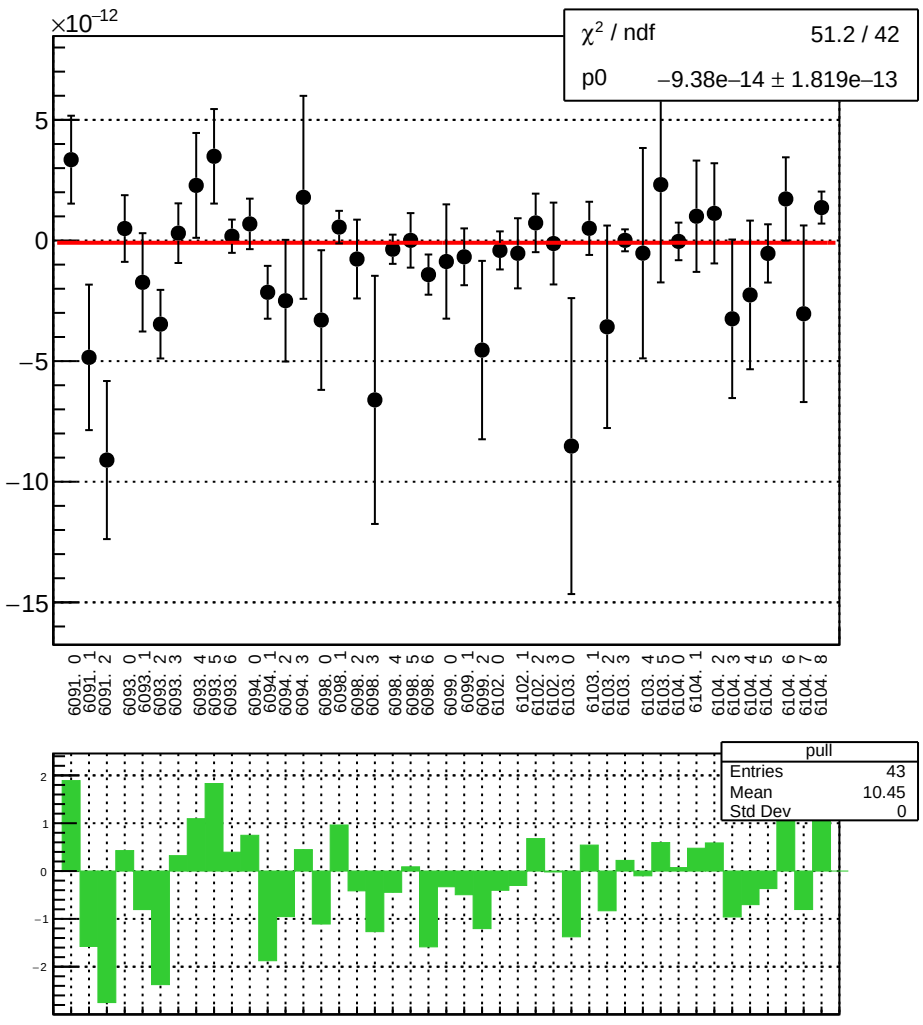

asym_usl_atl2_avg_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 1381 / 42
p0 0.01053 ± 1.158e–05
0.012
0.0115
0.011
0.0105
0.01
0.0095
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

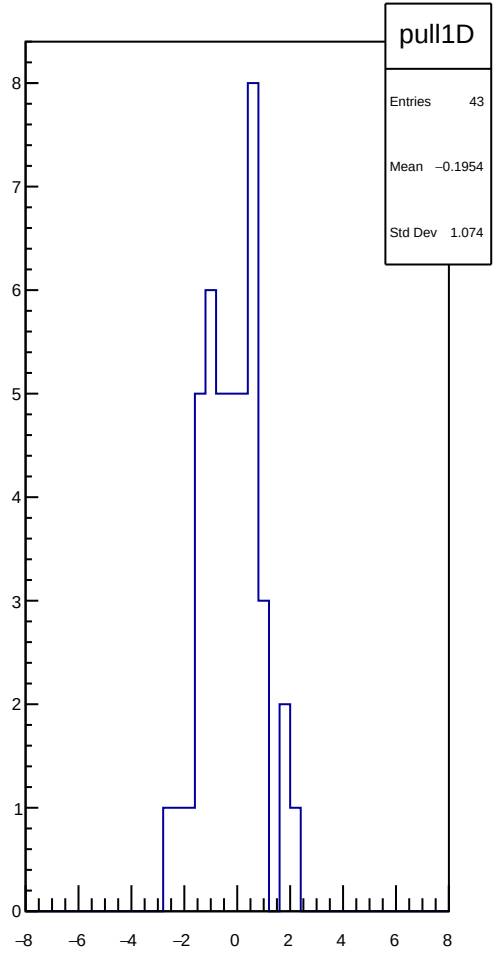

asym_usl_atl2_avg_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 52.23 / 42
p0 −0.1718 ± 0.2049
pull
Entries 43
Mean 73.38
Std Dev 0
pull1D
Entries 43
Mean 0.02756
Std Dev 1.102

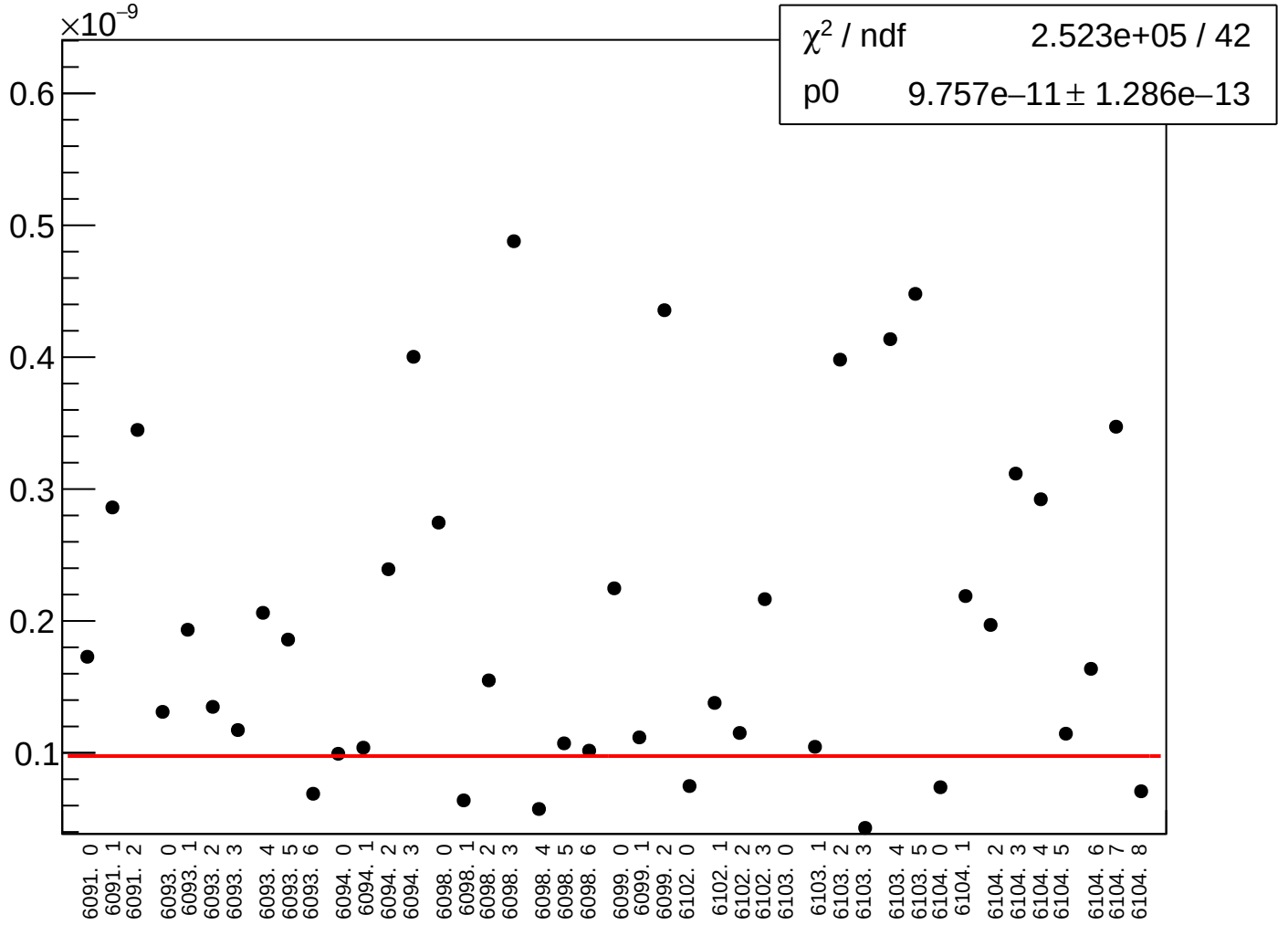

asym_usl_atl2_avg_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 9.324e+04 / 42
p0 124.2 ± 0.1449
280
260
240
220
200
180
160
140
120
100
80
60
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

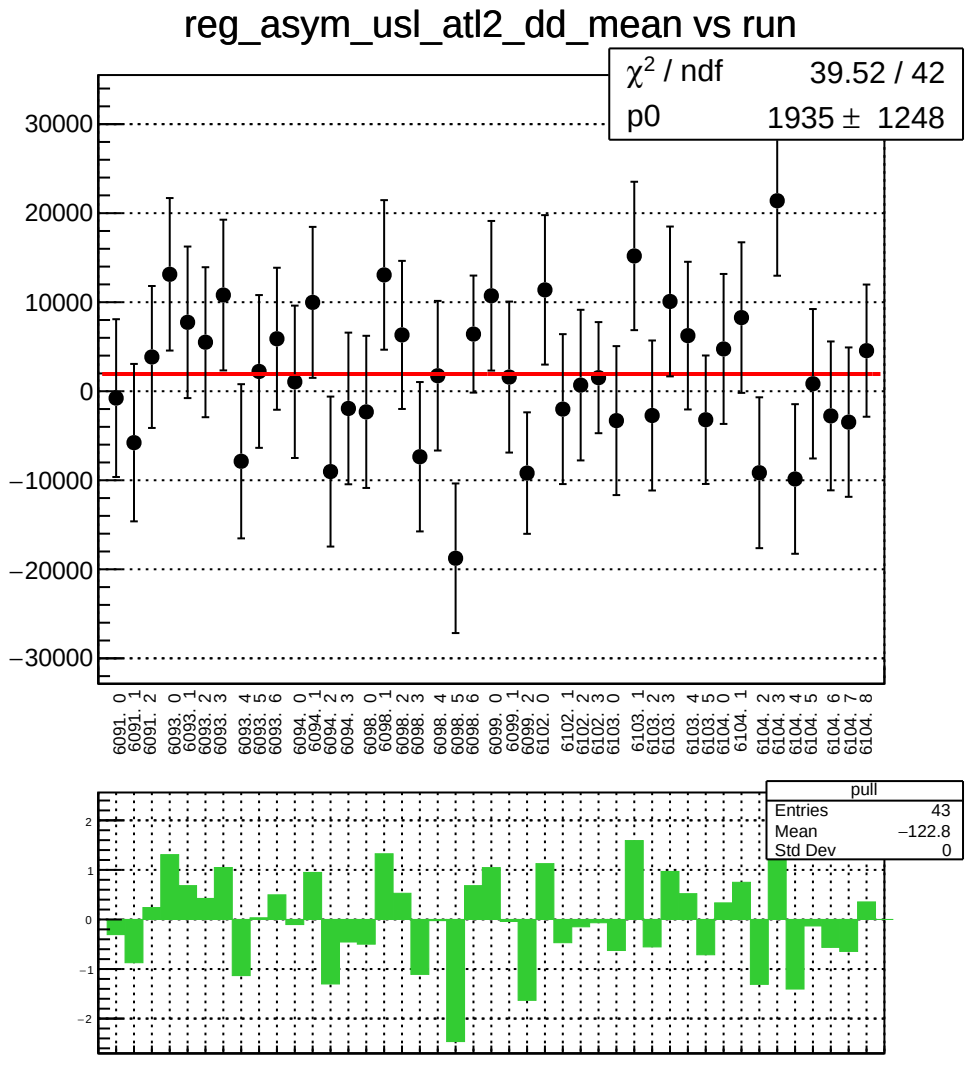

asym_usl_atl2_avg_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 52.23 / 42
p0 −0.1718 ± 0.2049
pull
Entries 43
Mean 73.38
Std Dev 0
pull1D
Entries 43
Mean 0.02756
Std Dev 1.102

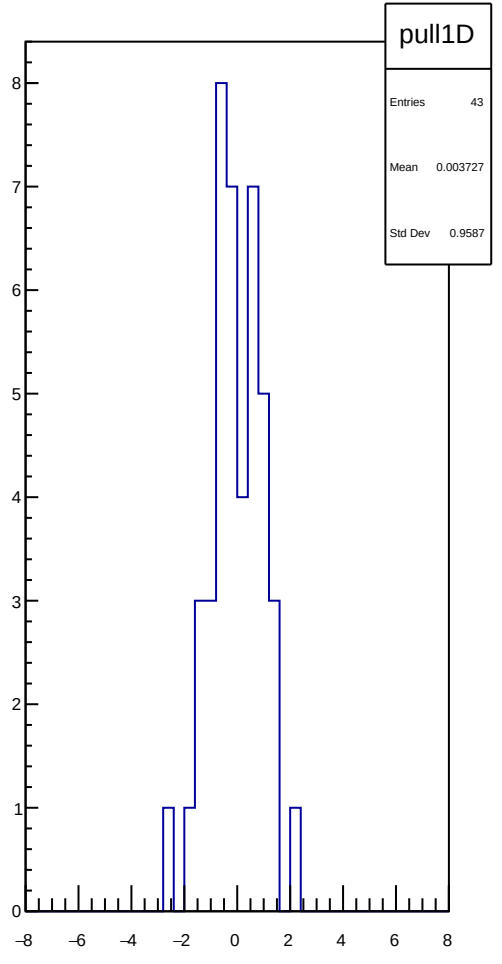

asym_usl_atl2_avg_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 9.324e+04 / 42
p0 124.2 ± 0.1449
280
260
240
220
200
180
160
140
120
100
80
60
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

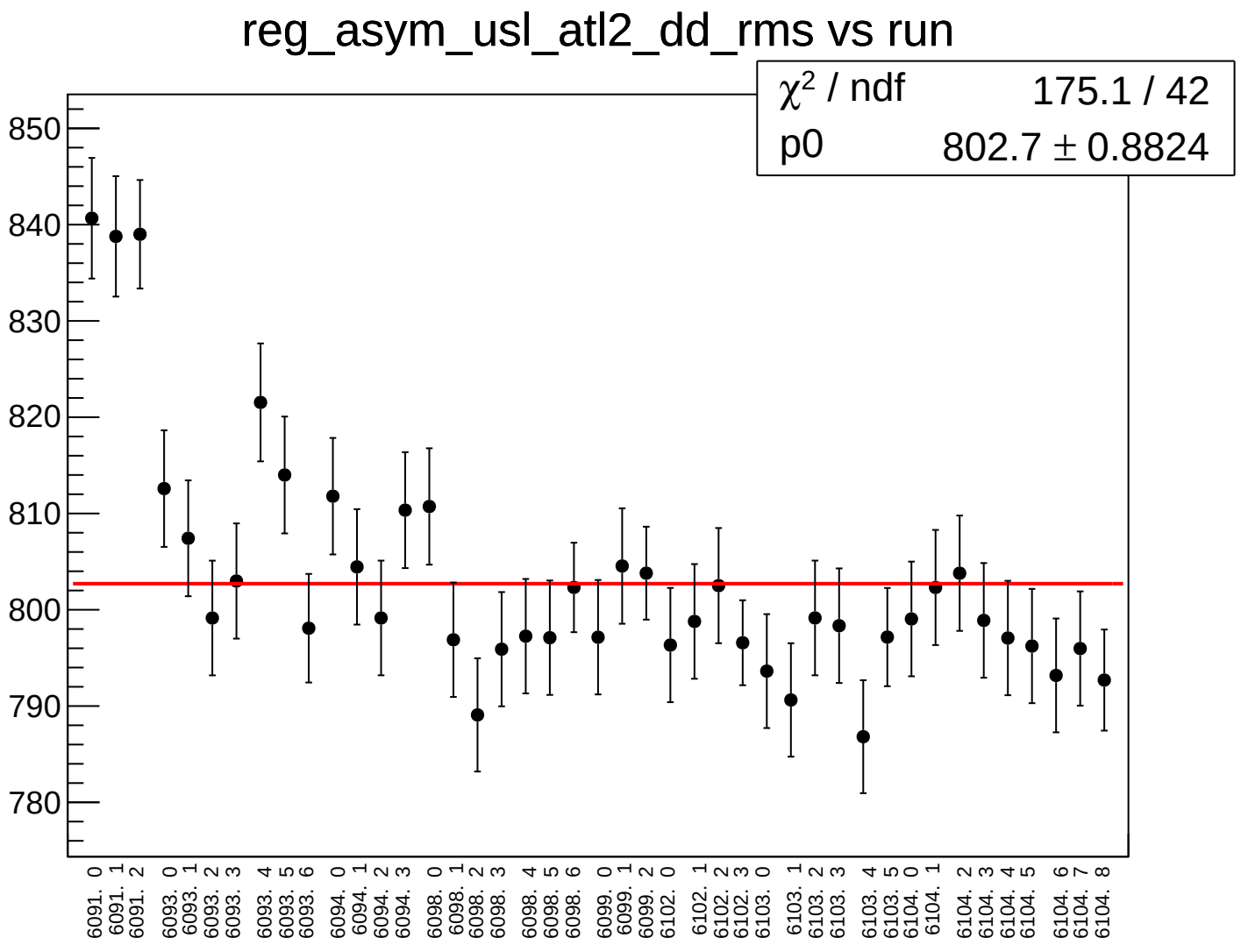

asym_usl_atl2_avg_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 51.2 / 42
p0 −9.38e−14 ± 1.819e−13
pull
Entries 43
Mean 10.45
Std Dev 0

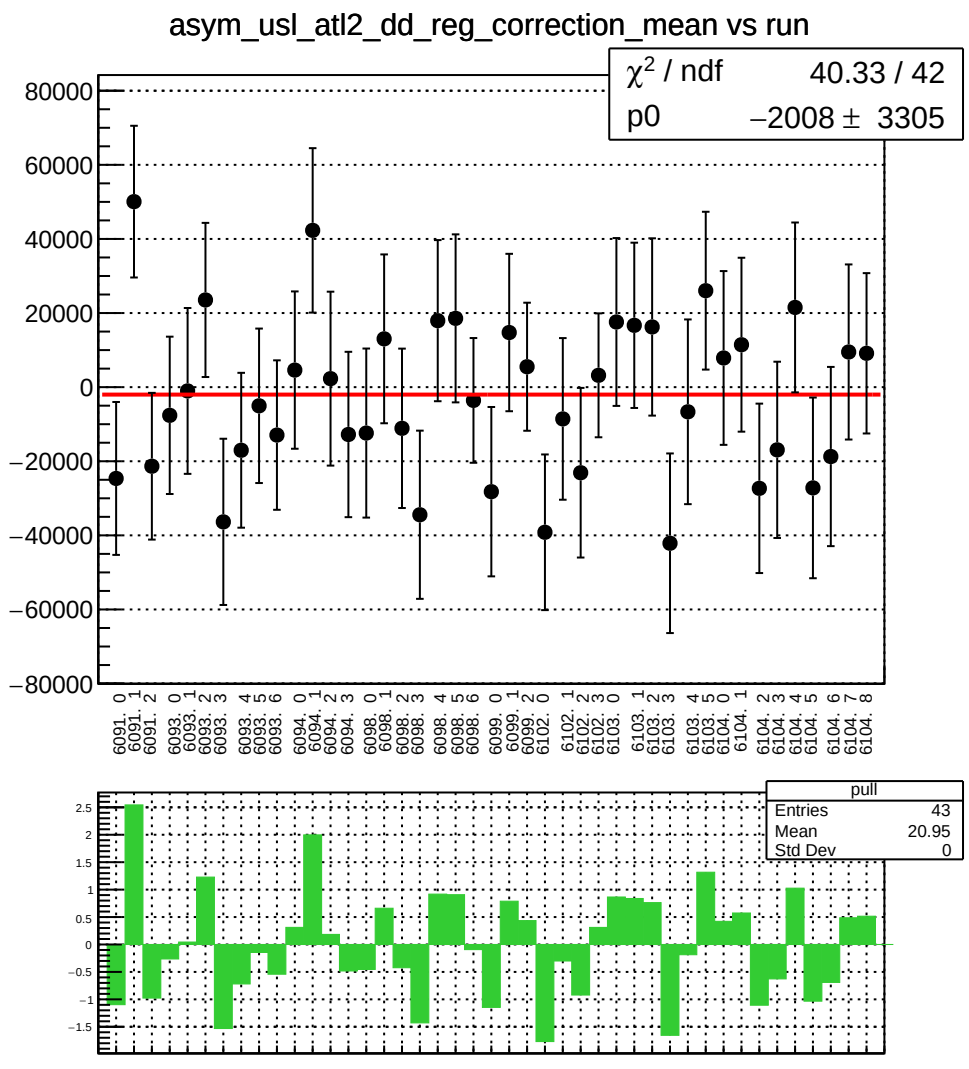

pull1D
Entries 43
Mean −0.1954
Std Dev 1.074

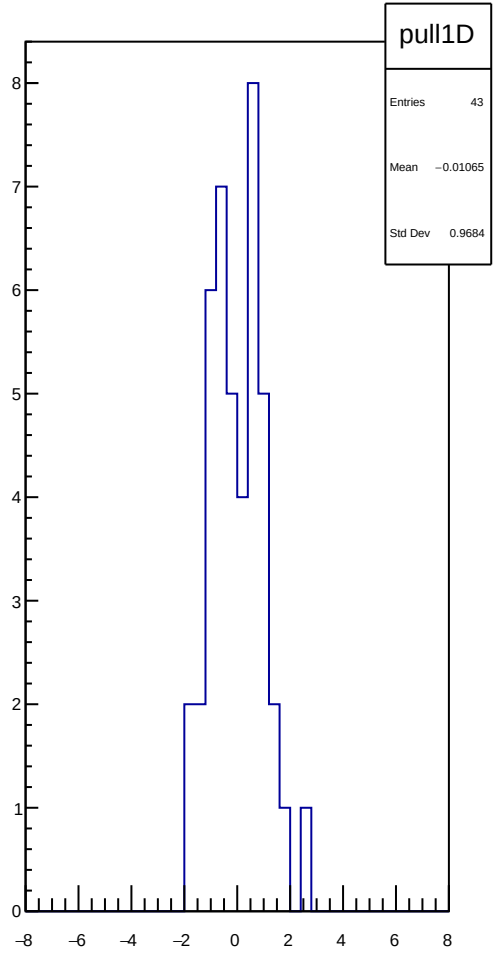

asym_usl_atl2_avg_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 2.523e+05 / 42
p0 9.757e−11 ± 1.286e−13
0.6
0.5
0.4
0.3
0.2
0.1
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

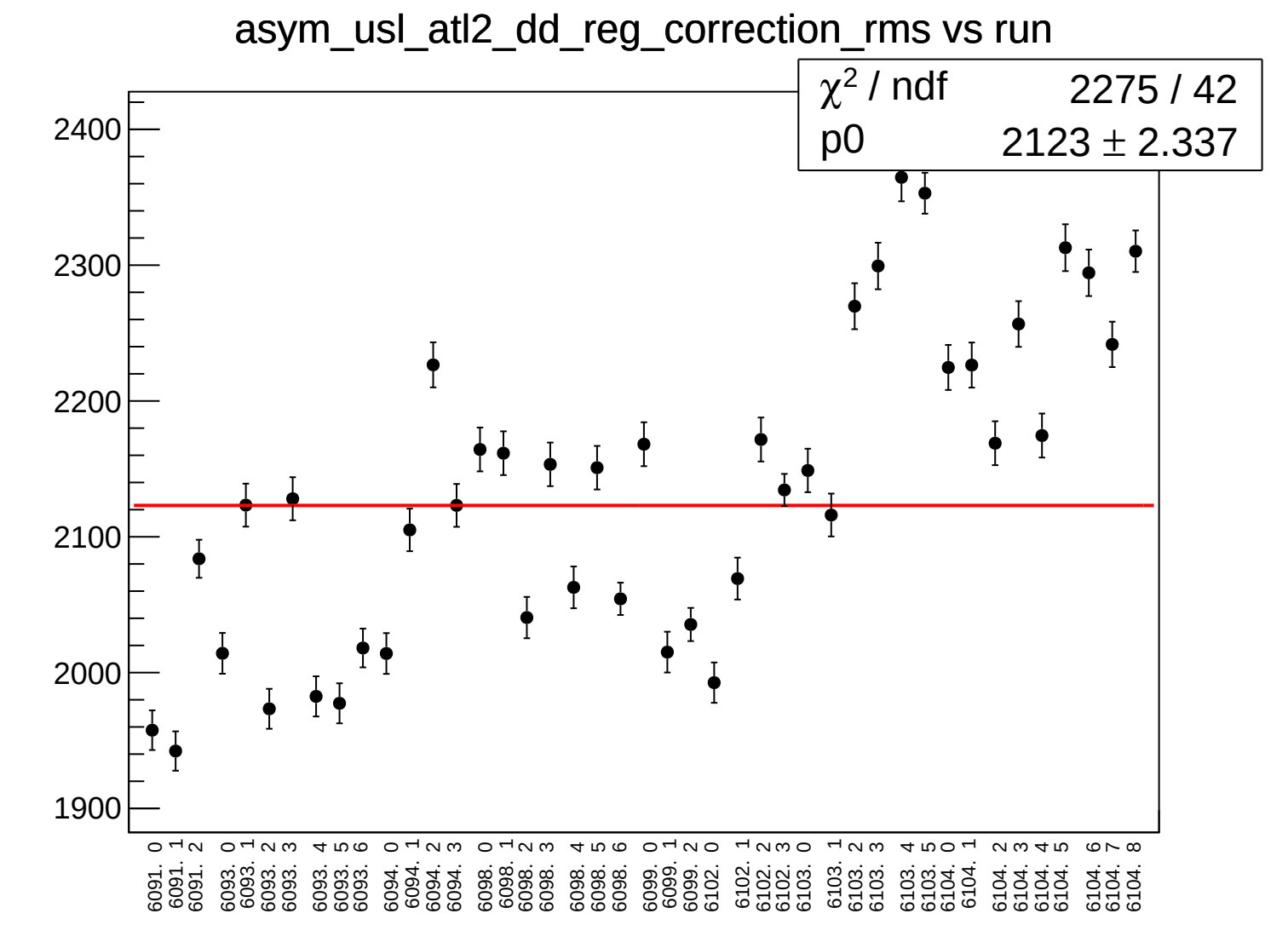

reg_asym_usl_atl2_dd_mean vs run
χ² / ndf 39.52 / 42
p0 1935 ± 1248
30000
20000
10000
0
−10000
−20000
−30000
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean −122.8
Std Dev 0
2
1
0
−1
−2

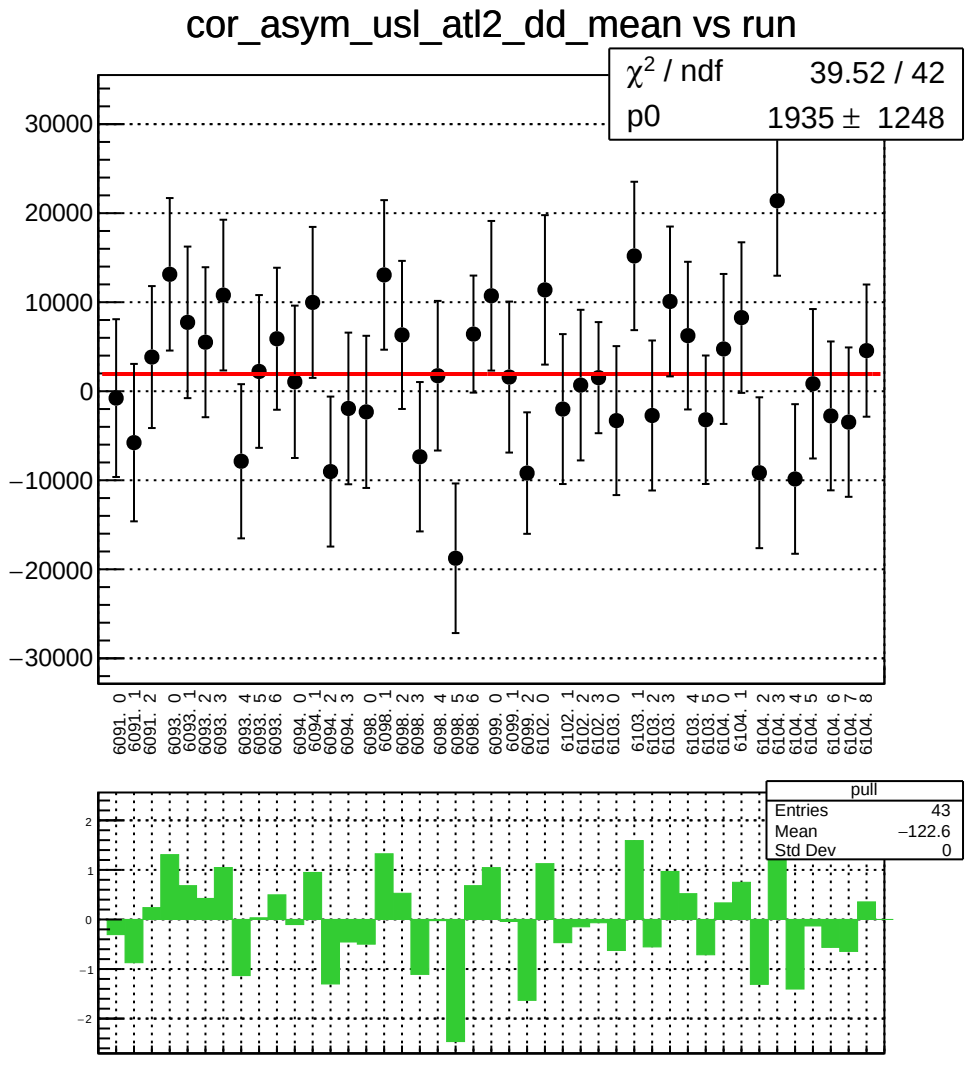

pull1D
Entries 43
Mean 0.003727
Std Dev 0.9587
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

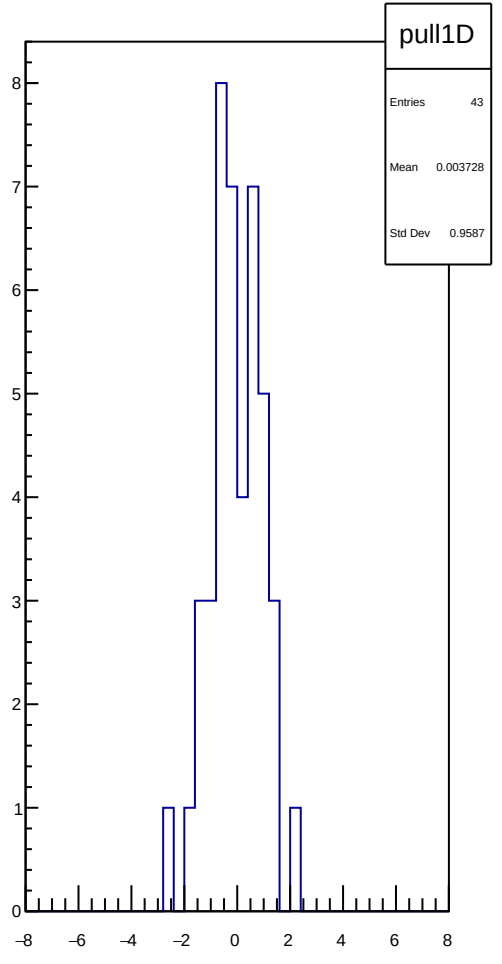

reg_asym_usl_atl2_dd_rms vs run
χ^2 / ndf 175.1 / 42
p0 802.7 ± 0.8824
850
840
830
820
810
800
790
780
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

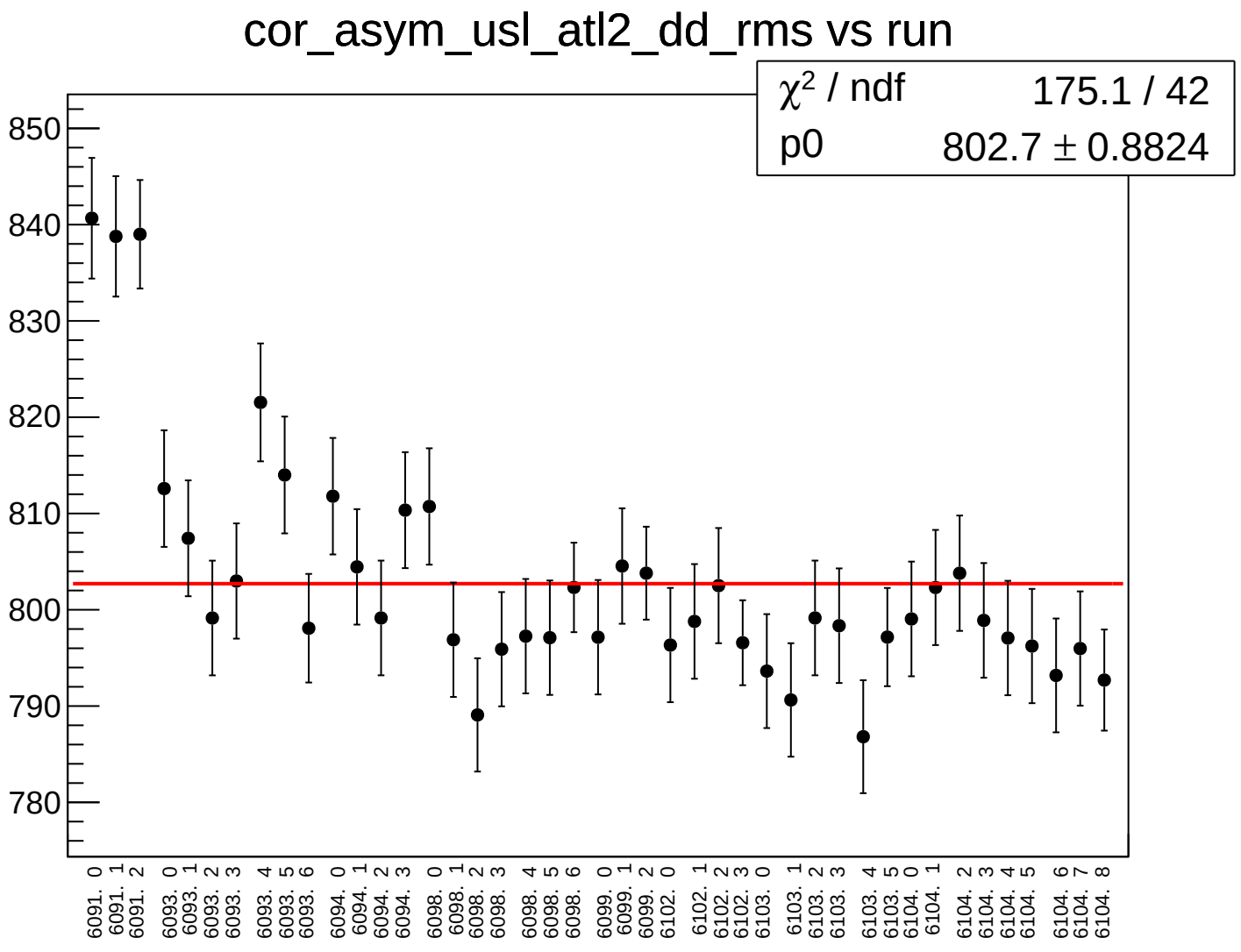

asym_usl_atl2_dd_reg_correction_mean vs run
χ² / ndf 40.33 / 42
p0 −2008 ± 3305
80000
60000
40000
20000
0
−20000
−40000
−60000
−80000
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 20.95
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5

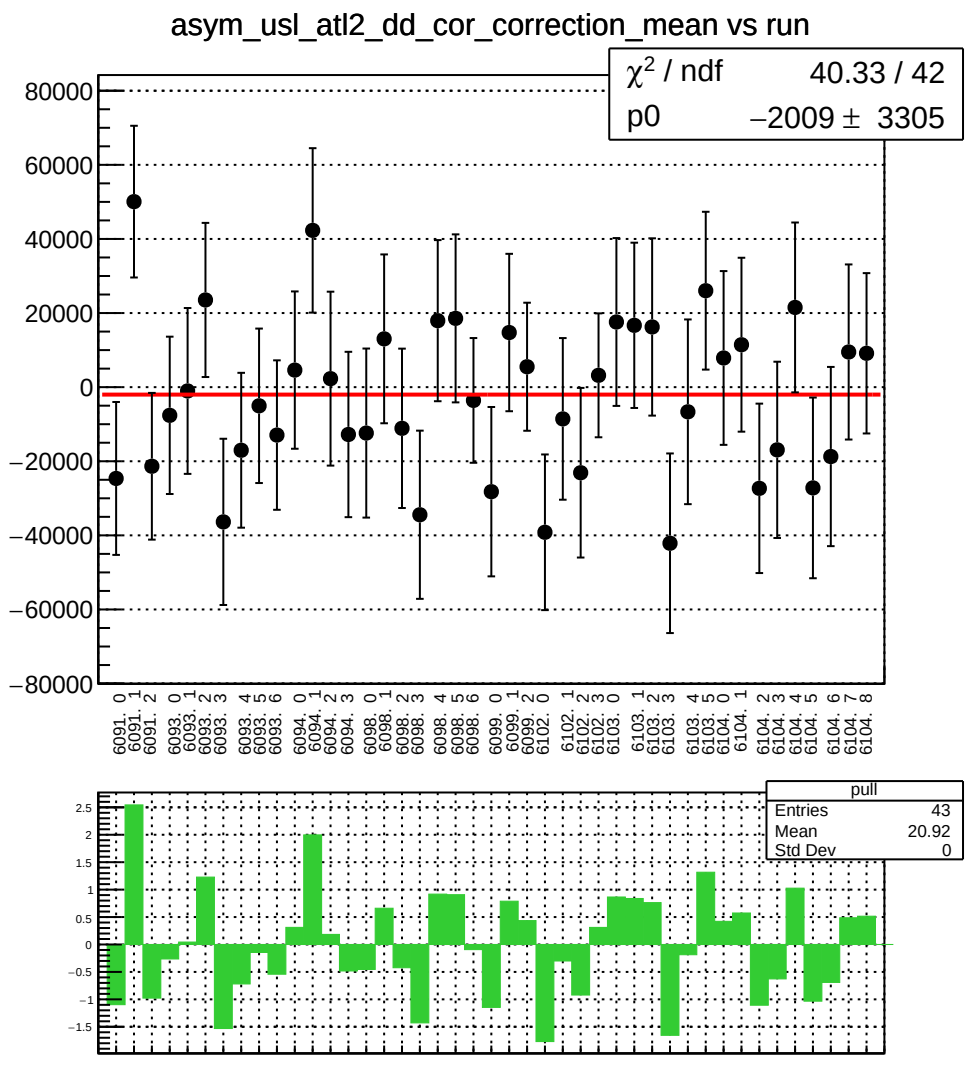

pull1D
Entries 43
Mean −0.01065
Std Dev 0.9684
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

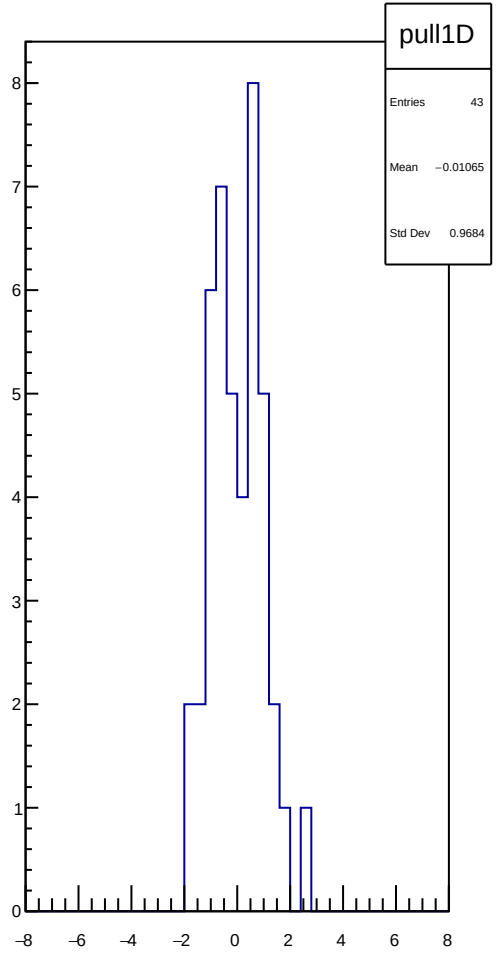

asym_usl_atl2_dd_reg_correction_rms vs run
χ² / ndf 2275 / 42
p0 2123 ± 2.337
2400
2300
2200
2100
2000
1900
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

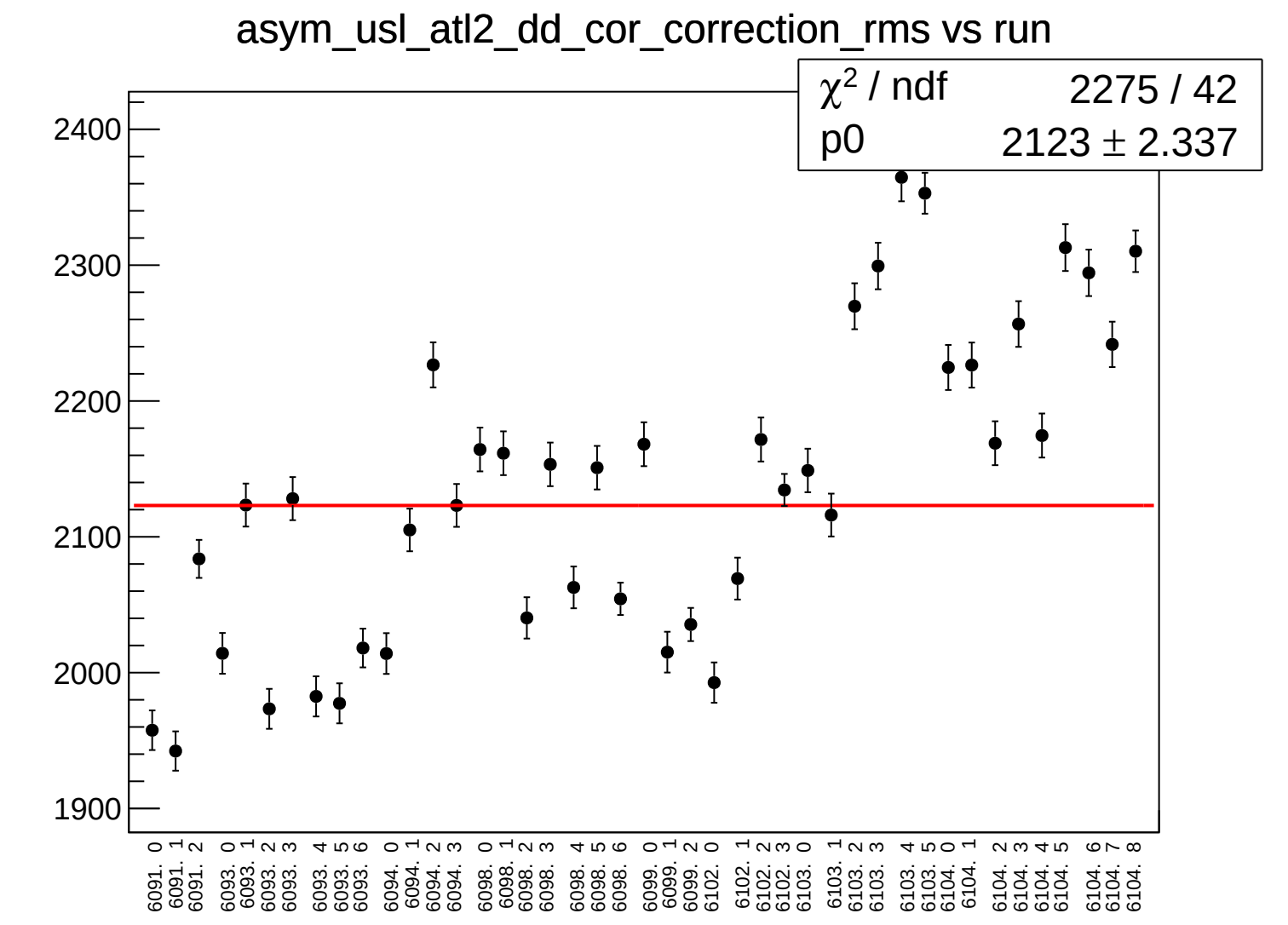

cor_asym_usl_atl2_dd_mean vs run
χ² / ndf 39.52 / 42
p0 1935 ± 1248
30000
20000
10000
0
−10000
−20000
−30000
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean −122.6
Std Dev 0
2
1
0
−1
−2

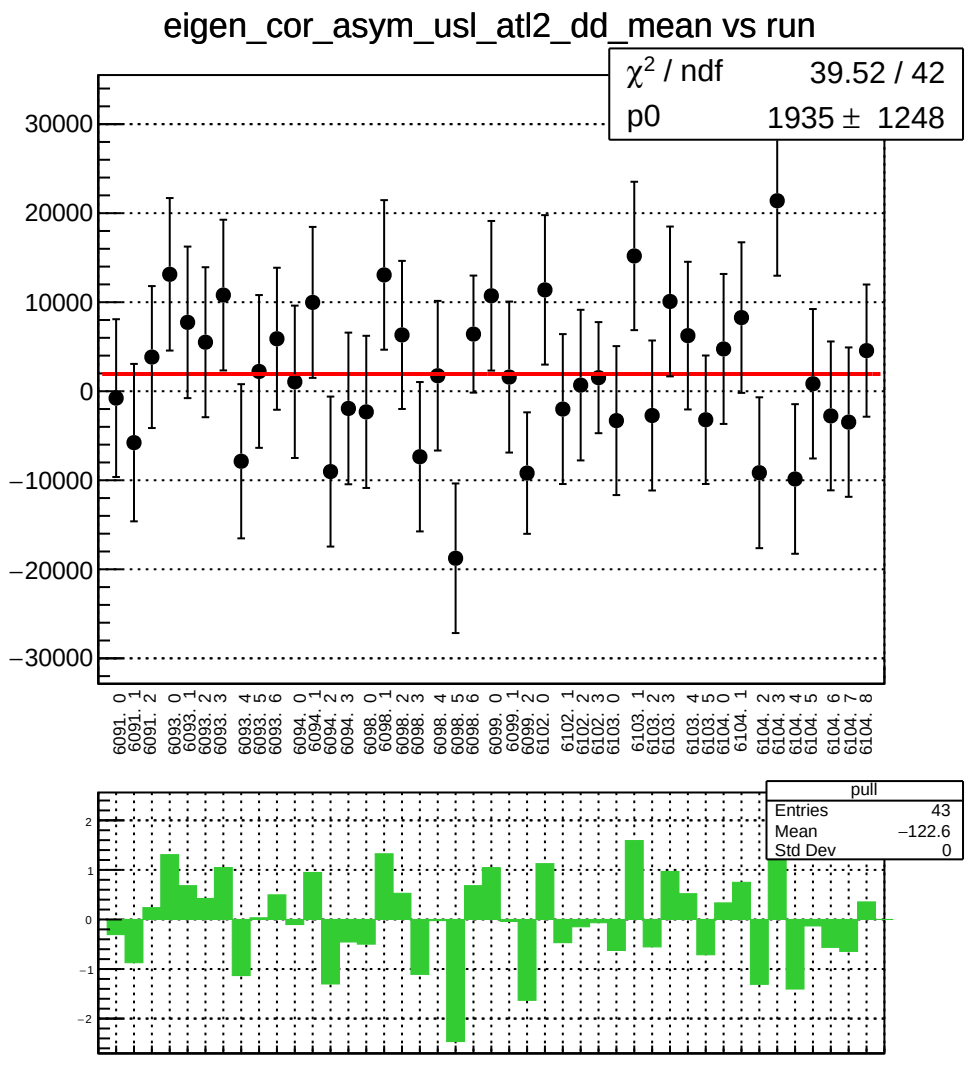

pull1D
Entries 43
Mean 0.003728
Std Dev 0.9587
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

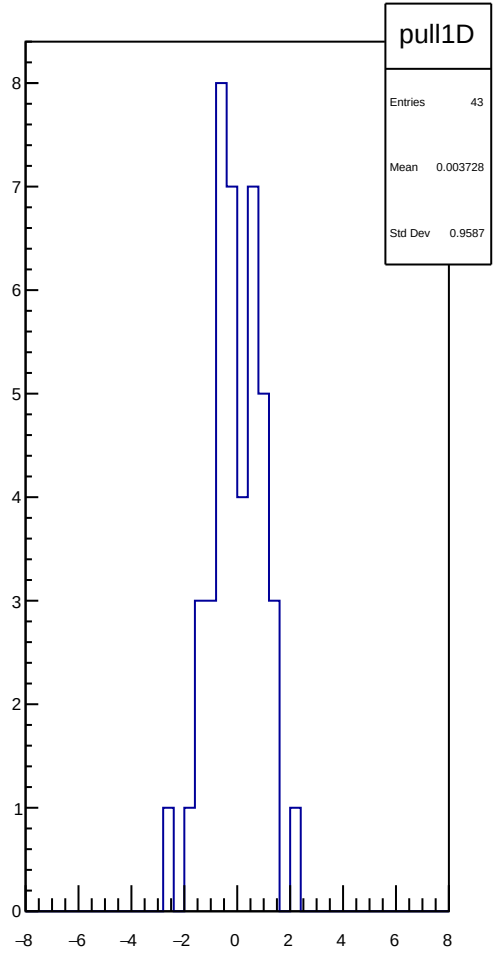

cor_asym_usl_atl2_dd_rms vs run
χ^2 / ndf 175.1 / 42
p0 802.7 ± 0.8824
850
840
830
820
810
800
790
780
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

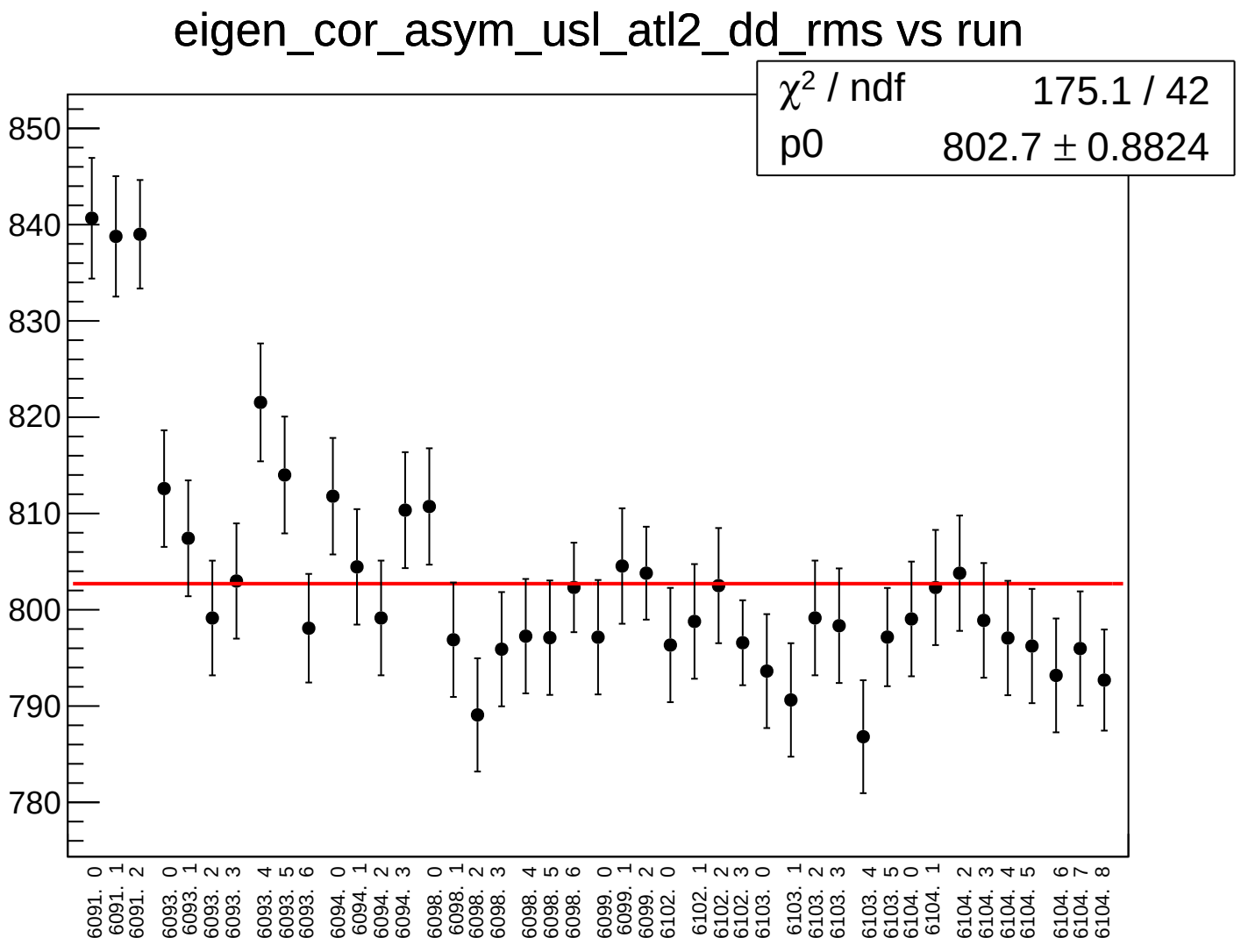

asym_usl_atl2_dd_cor_correction_mean vs run
χ² / ndf 40.33 / 42
p0 −2009 ± 3305
80000
60000
40000
20000
0
−20000
−40000
−60000
−80000
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 20.92
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5

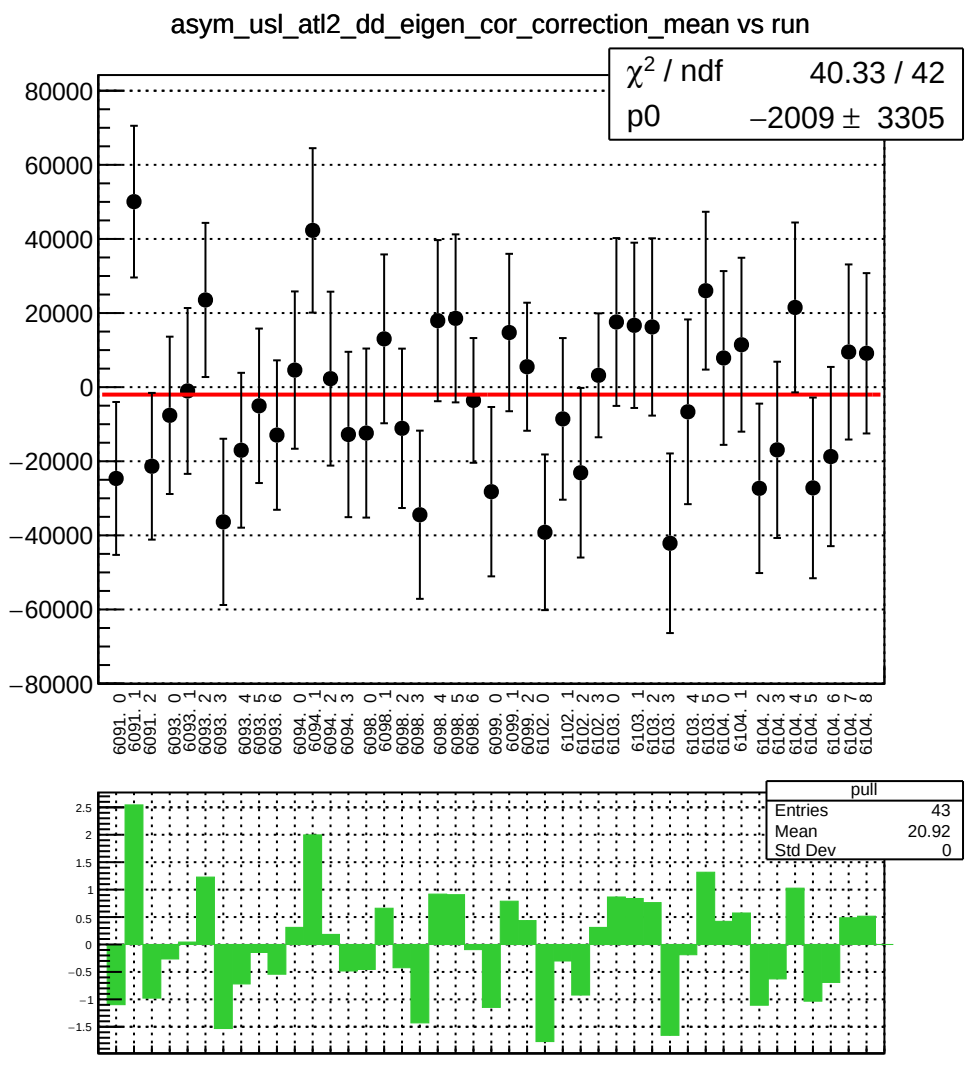

pull1D
Entries 43
Mean −0.01065
Std Dev 0.9684
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

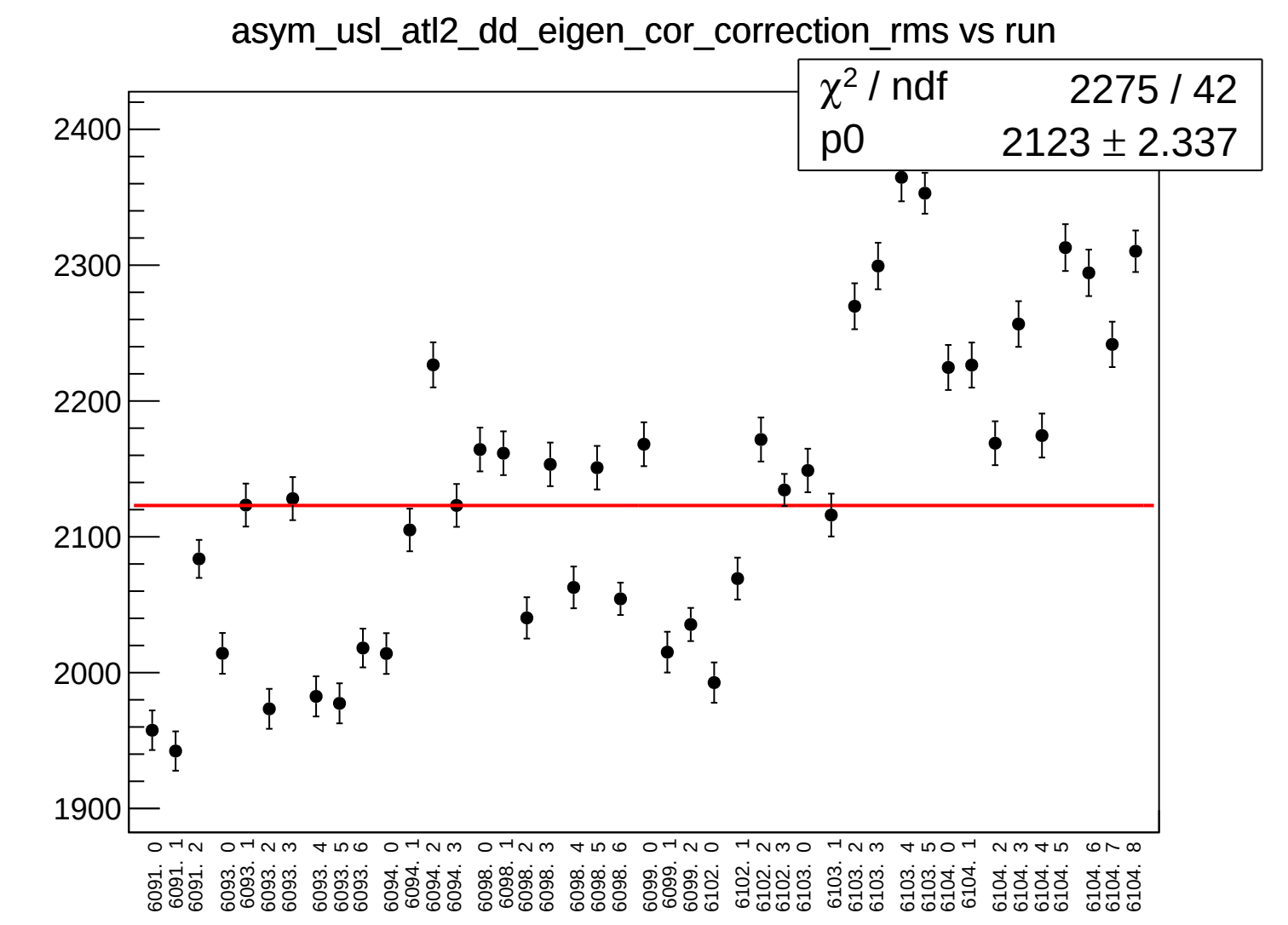

asym_usl_atl2_dd_cor_correction_rms vs run
χ² / ndf 2275 / 42
p0 2123 ± 2.337
2400
2300
2200
2100
2000
1900
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

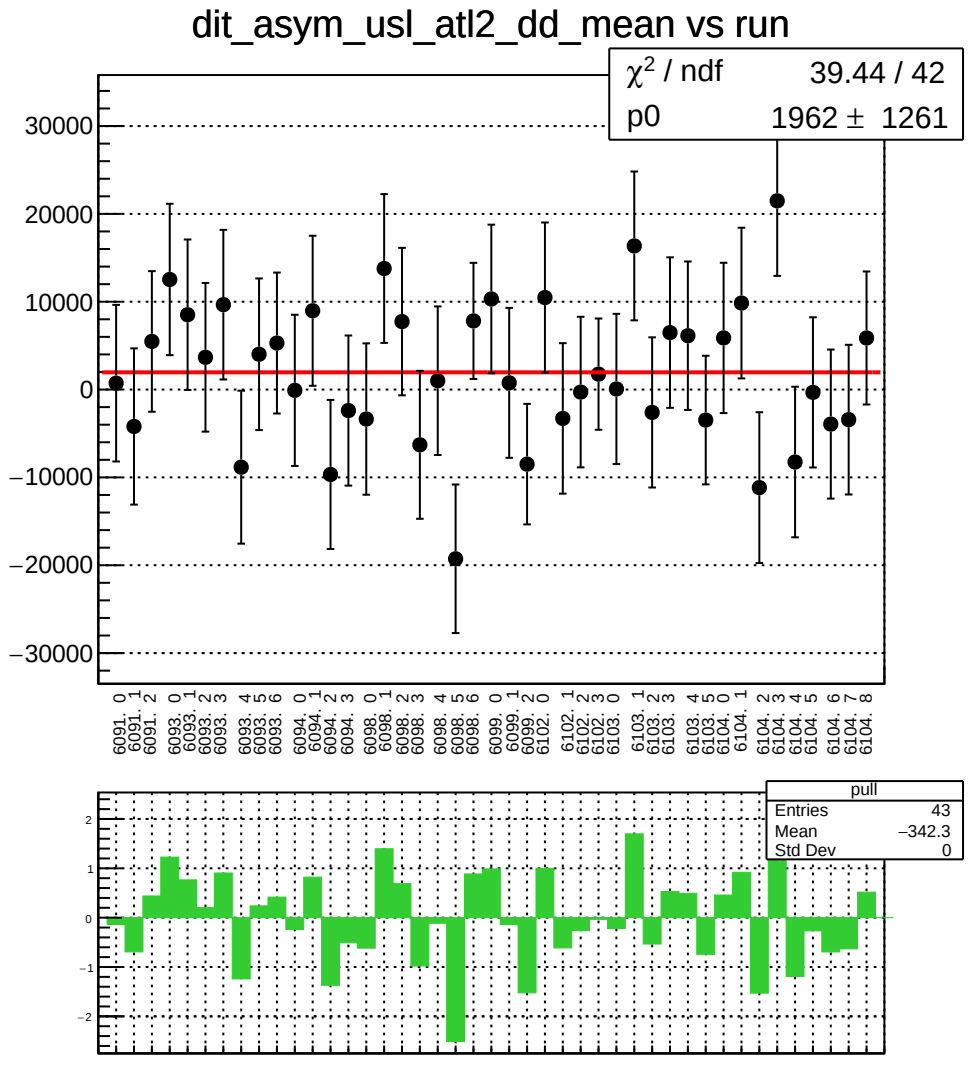

eigen_cor_asym_usl_atl2_dd_mean vs run
χ² / ndf 39.52 / 42
p0 1935 ± 1248
30000
20000
10000
0
−10000
−20000
−30000
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean −122.6
Std Dev 0
2
1
0
−1
−2

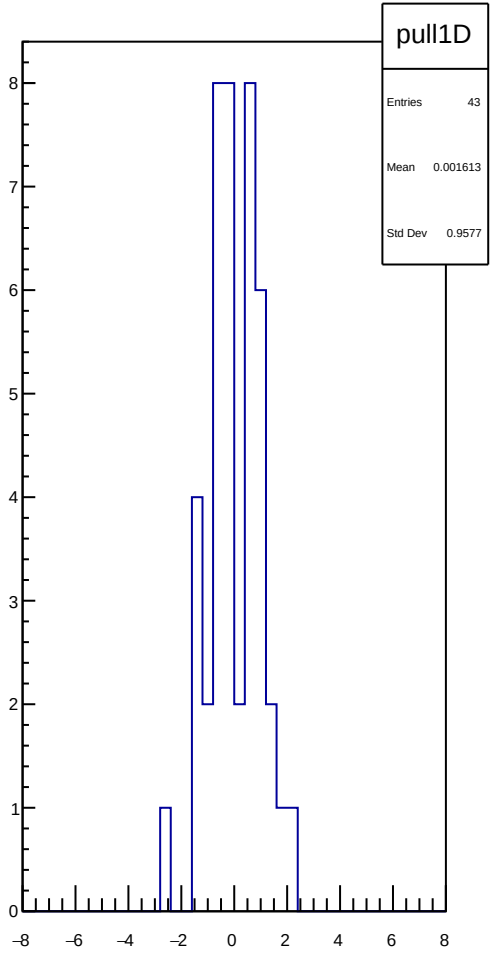

pull1D
Entries 43
Mean 0.003728
Std Dev 0.9587
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

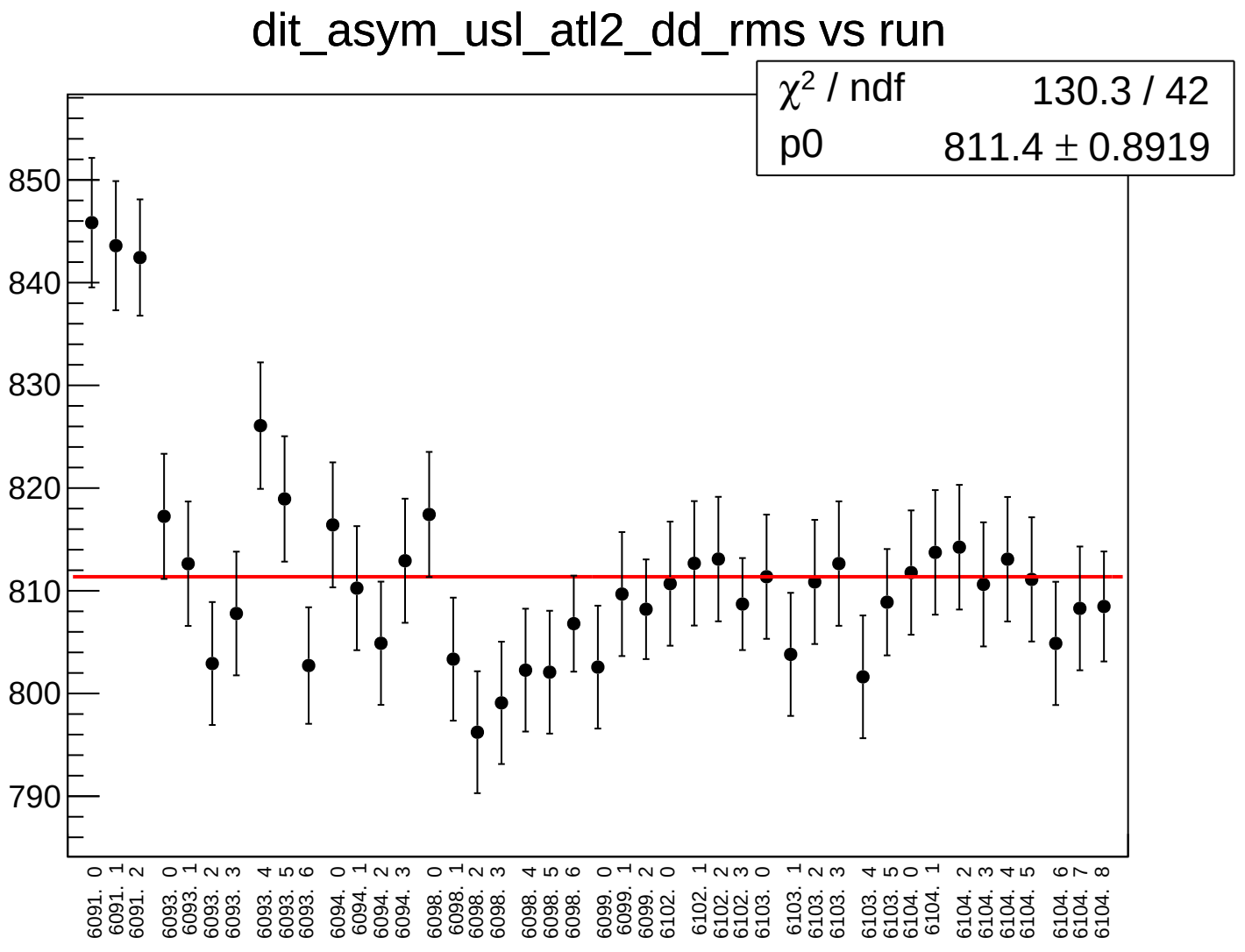

eigen_cor_asym_usl_atl2_dd_rms vs run
χ² / ndf 175.1 / 42
p0 802.7 ± 0.8824
850
840
830
820
810
800
790
780
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

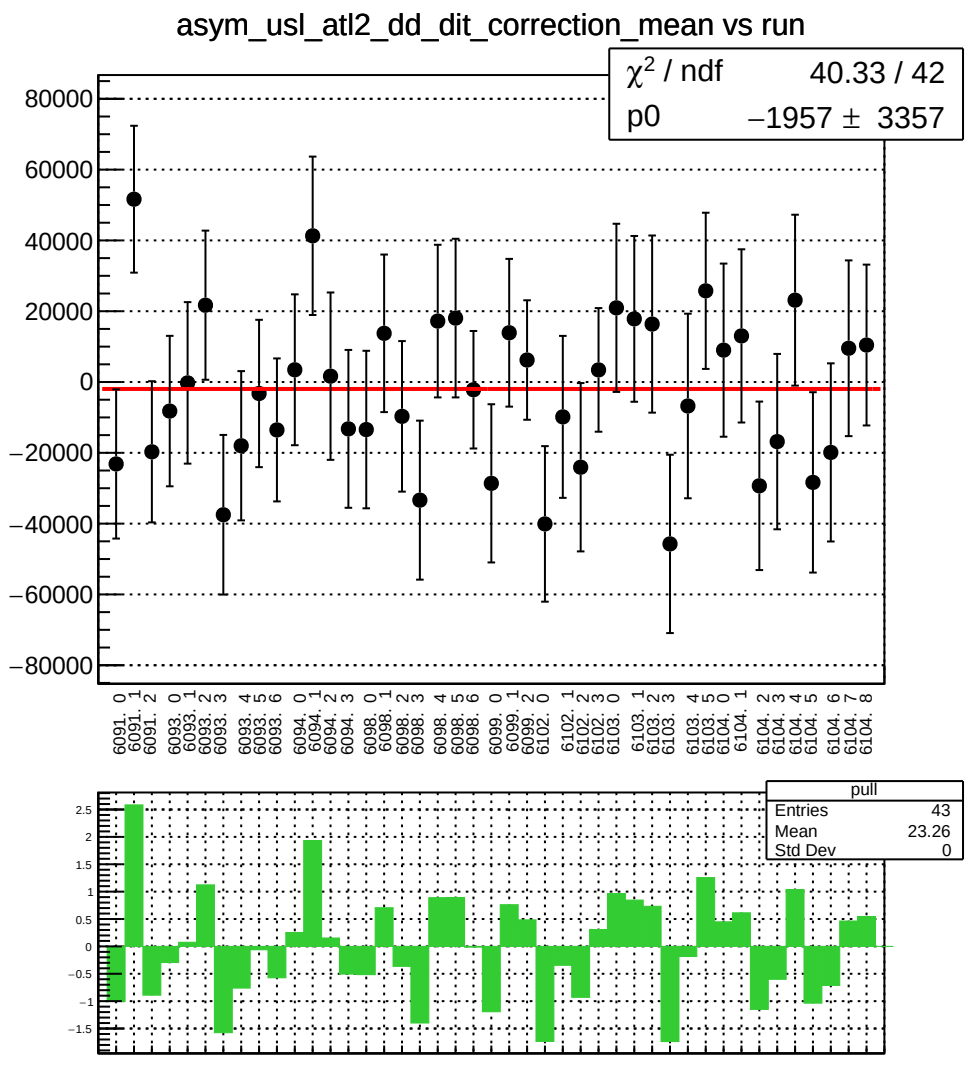

asym_usl_atl2_dd_eigen_cor_correction_mean vs run
χ² / ndf 40.33 / 42
p0 −2009 ± 3305
80000
60000
40000
20000
0
−20000
−40000
−60000
−80000
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 20.92
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 43
Mean −0.01065
Std Dev 0.9684
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

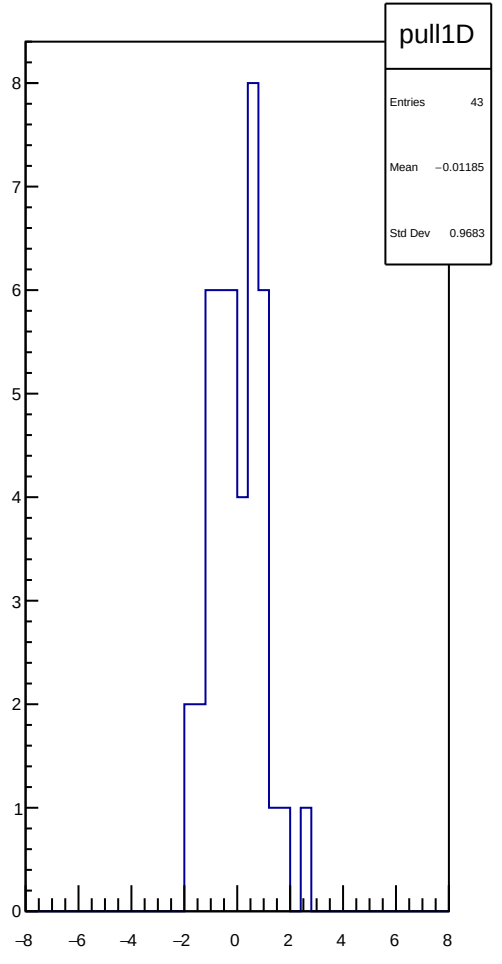

asym_usl_atl2_dd_eigen_cor_correction_rms vs run
χ² / ndf 2275 / 42
p0 2123 ± 2.337
2400
2300
2200
2100
2000
1900
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

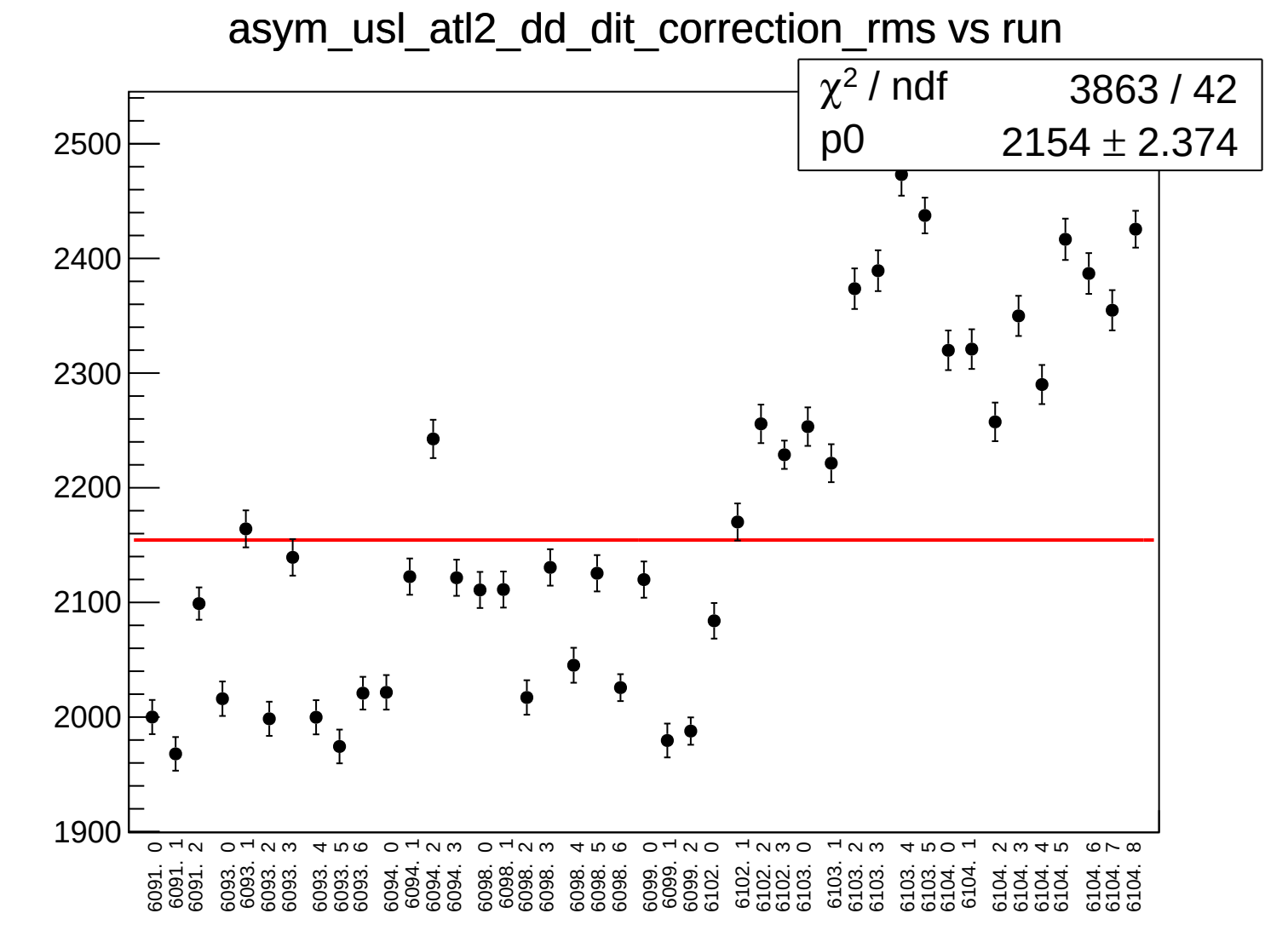

dit_asym_usl_atl2_dd_mean vs run
χ² / ndf 39.44 / 42
p0 1962 ± 1261
30000
20000
10000
0
−10000
−20000
−30000
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean −342.3
Std Dev 0
2
1
0
−1
−2

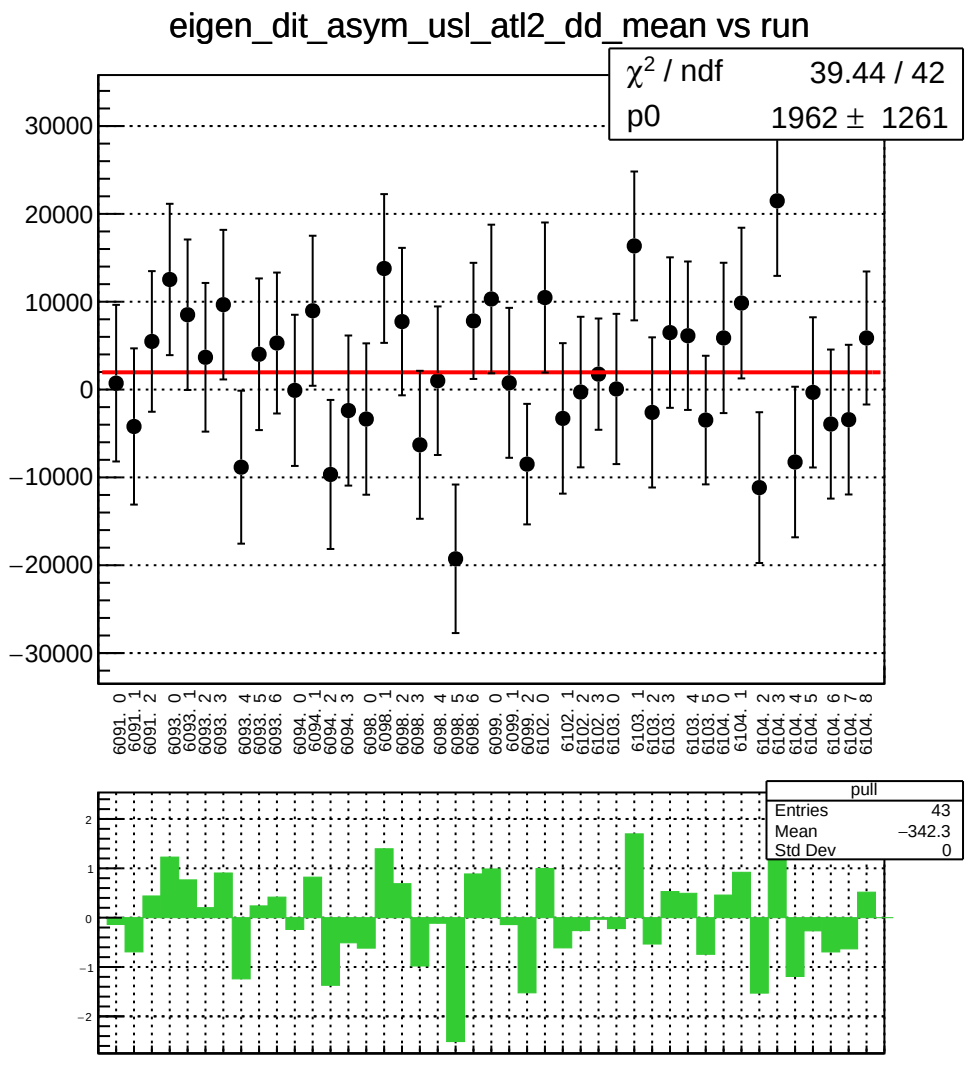

pull1D
Entries 43
Mean 0.001613
Std Dev 0.9577
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

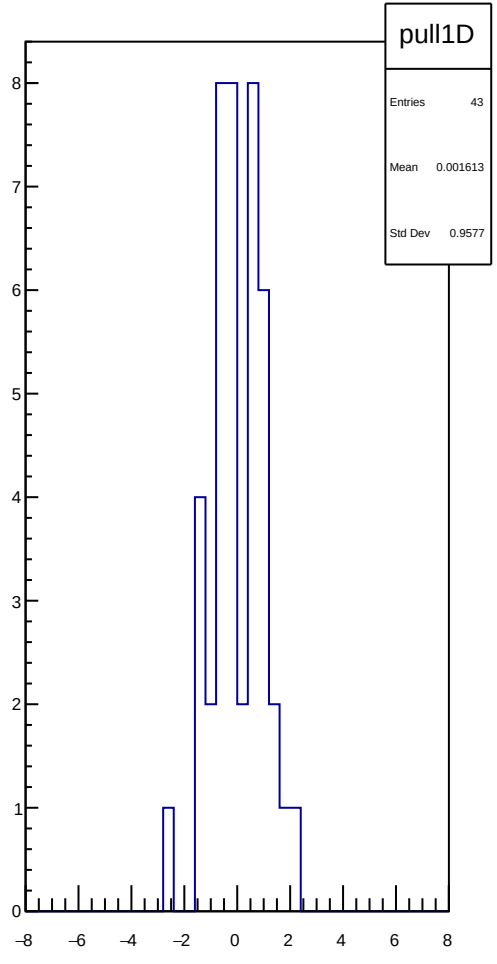

dit_asym_usl_atl2_dd_rms vs run
χ² / ndf 130.3 / 42
p0 811.4 ± 0.8919
850
840
830
820
810
800
790
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

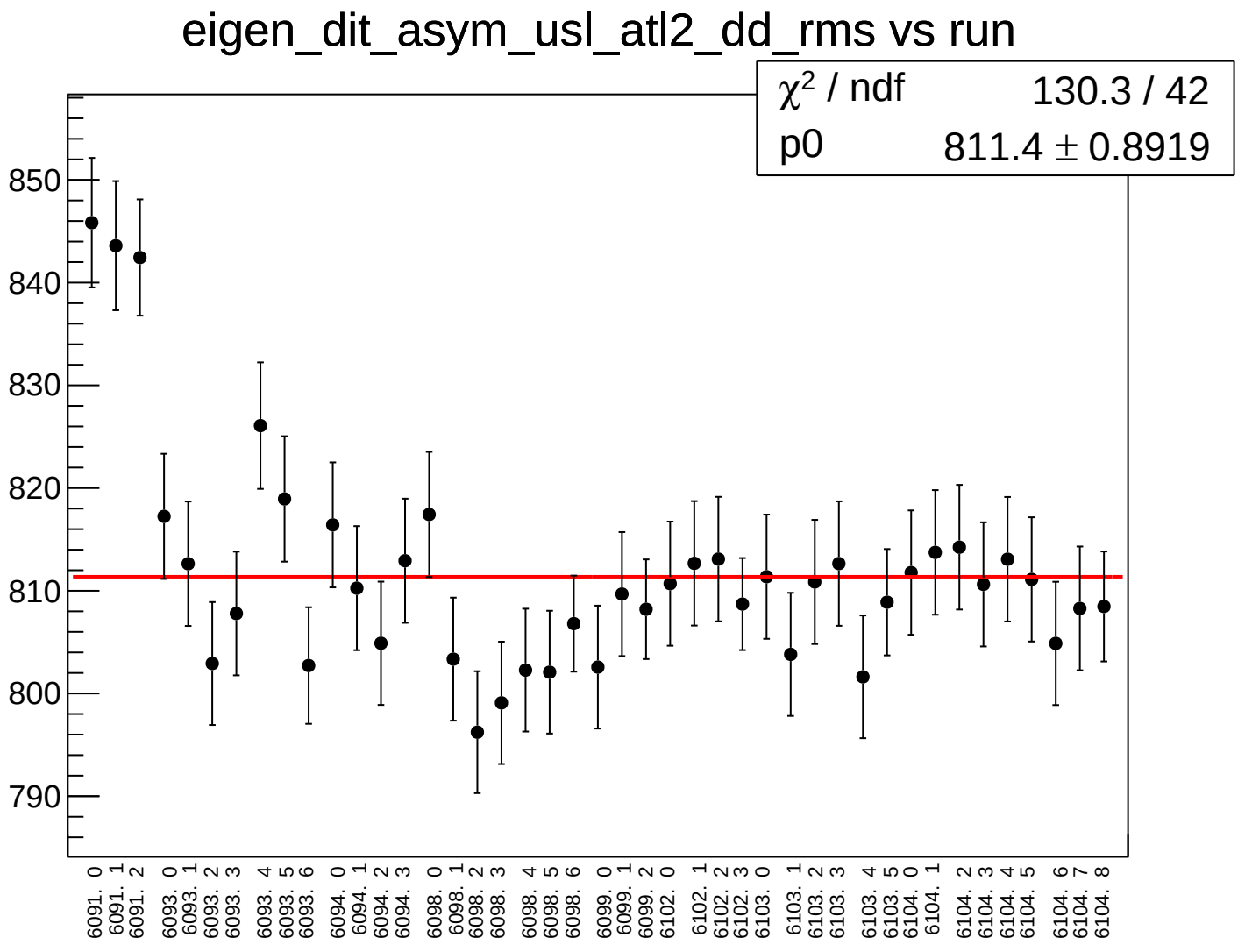

asym_usl_atl2_dd_dit_correction_mean vs run
χ² / ndf 40.33 / 42
p0 −1957 ± 3357
80000
60000
40000
20000
0
−20000
−40000
−60000
−80000
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 23.26
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5


pull1D
Entries 43
Mean −0.01185
Std Dev 0.9683
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

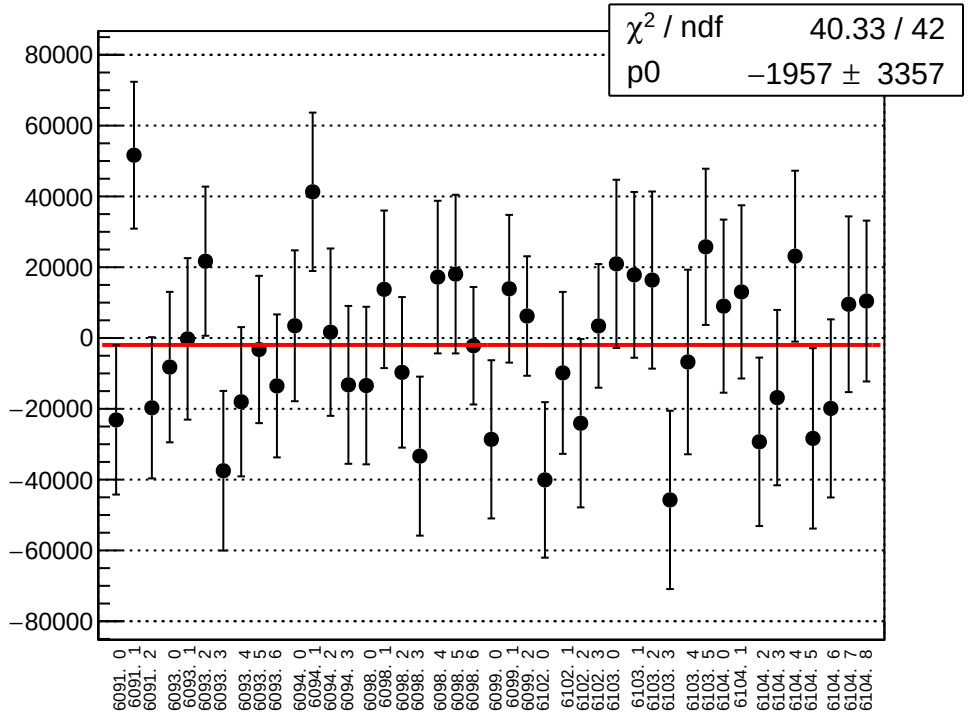

asym_usl_atl2_dd_dit_correction_rms vs run
χ² / ndf 3863 / 42
p0 2154 ± 2.374
2500
2400
2300
2200
2100
2000
1900
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

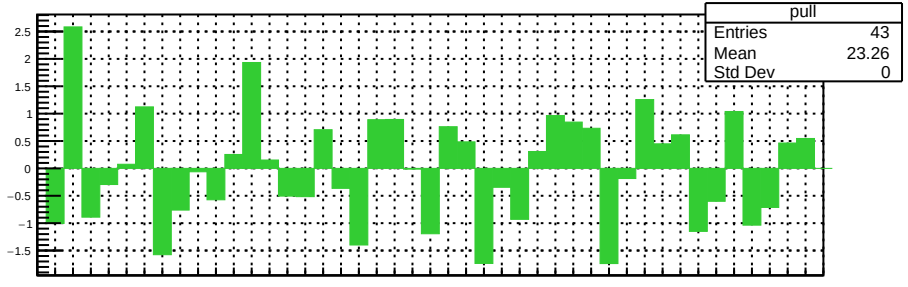

eigen_dit_asym_usl_atl2_dd_mean vs run
χ² / ndf 39.44 / 42
p0 1962 ± 1261
30000
20000
10000
0
−10000
−20000
−30000
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean −342.3
Std Dev 0
2
1
0
−1
−2

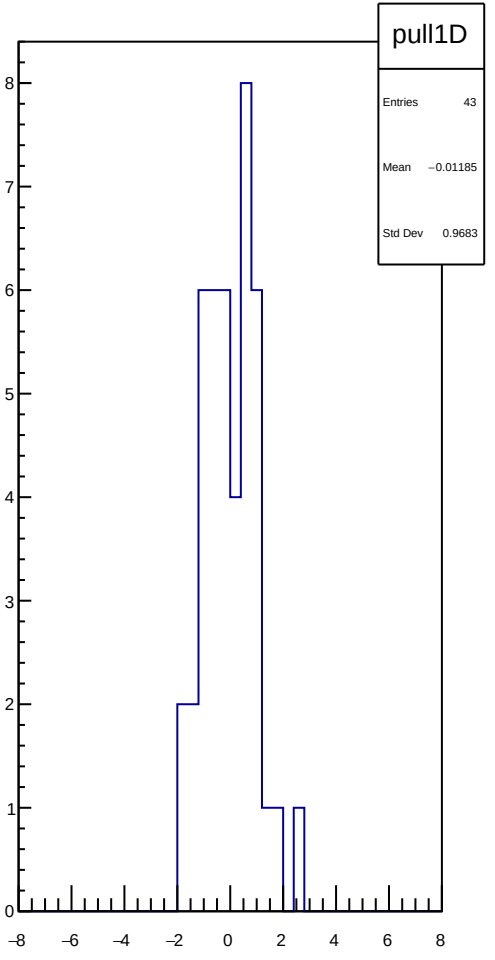

pull1D
Entries 43
Mean 0.001613
Std Dev 0.9577
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

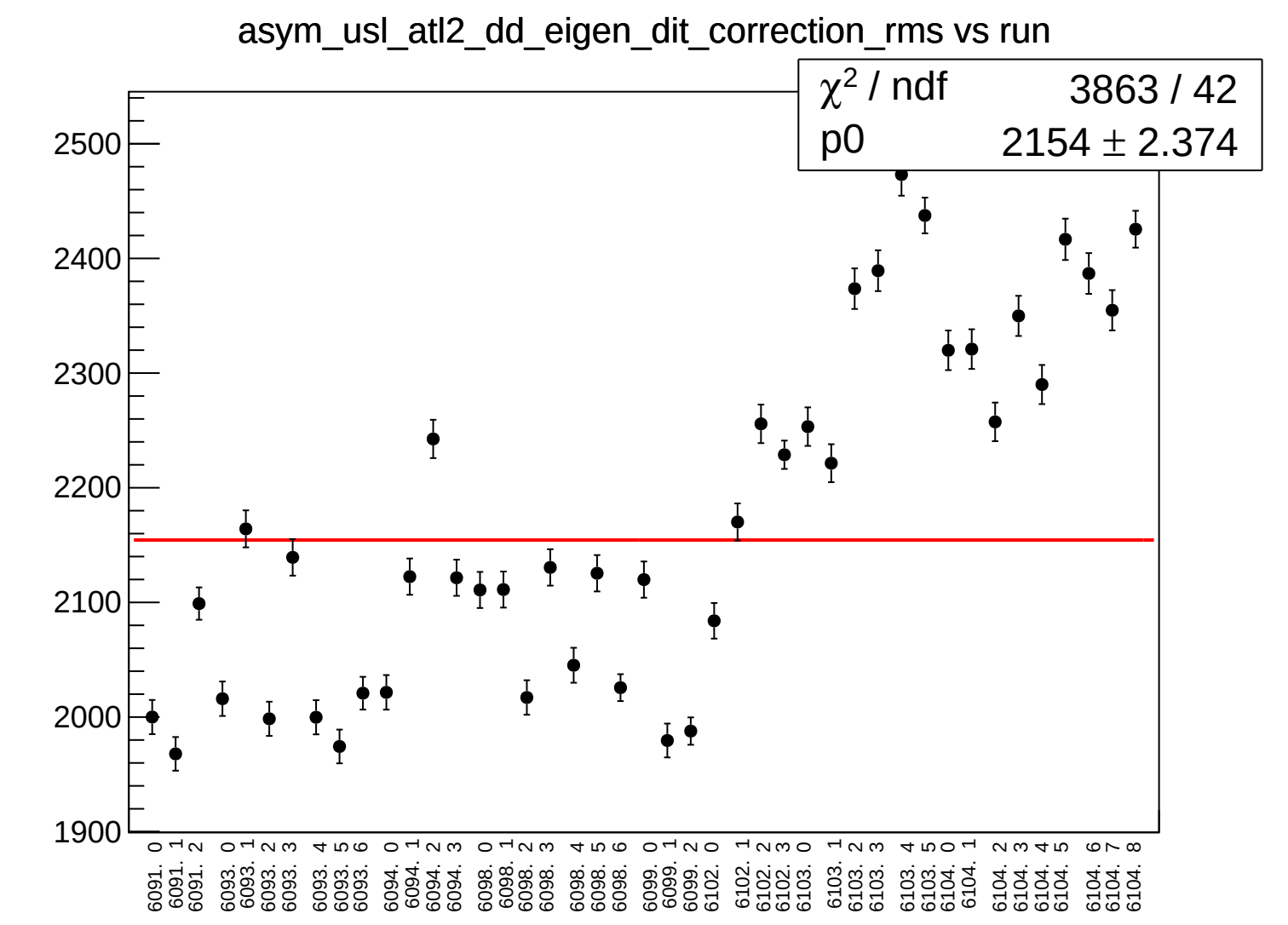

eigen_dit_asym_usl_atl2_dd_rms vs run
χ² / ndf 130.3 / 42
p0 811.4 ± 0.8919
850
840
830
820
810
800
790
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

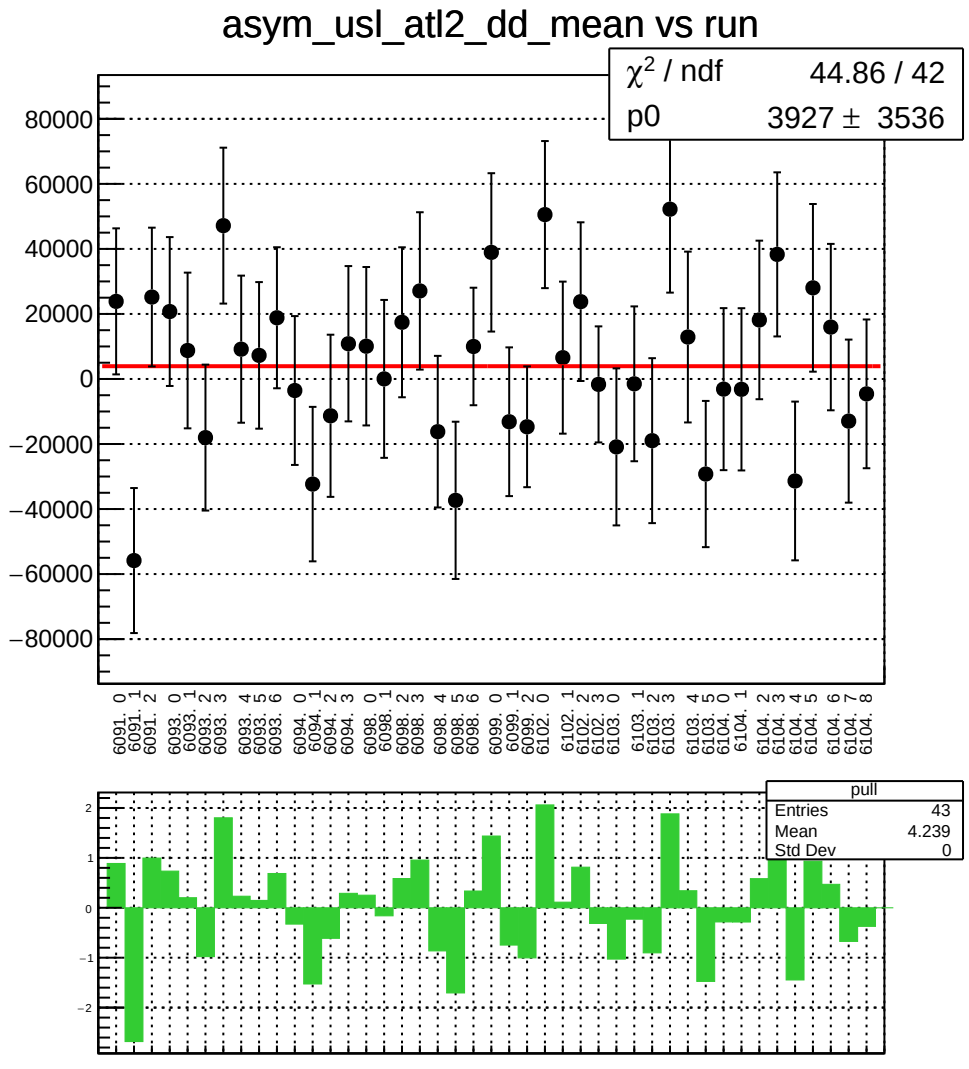
asym_usl_atl2_dd_eigen_dit_correction_mean vs run

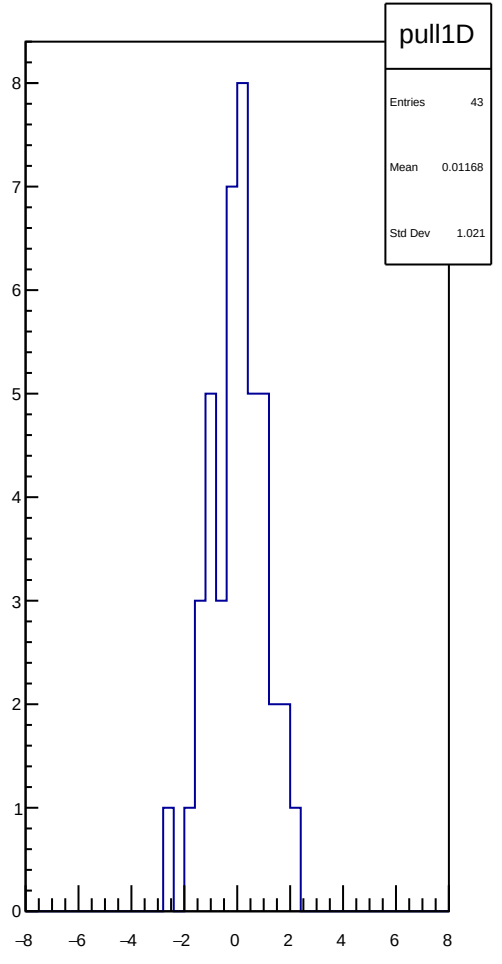


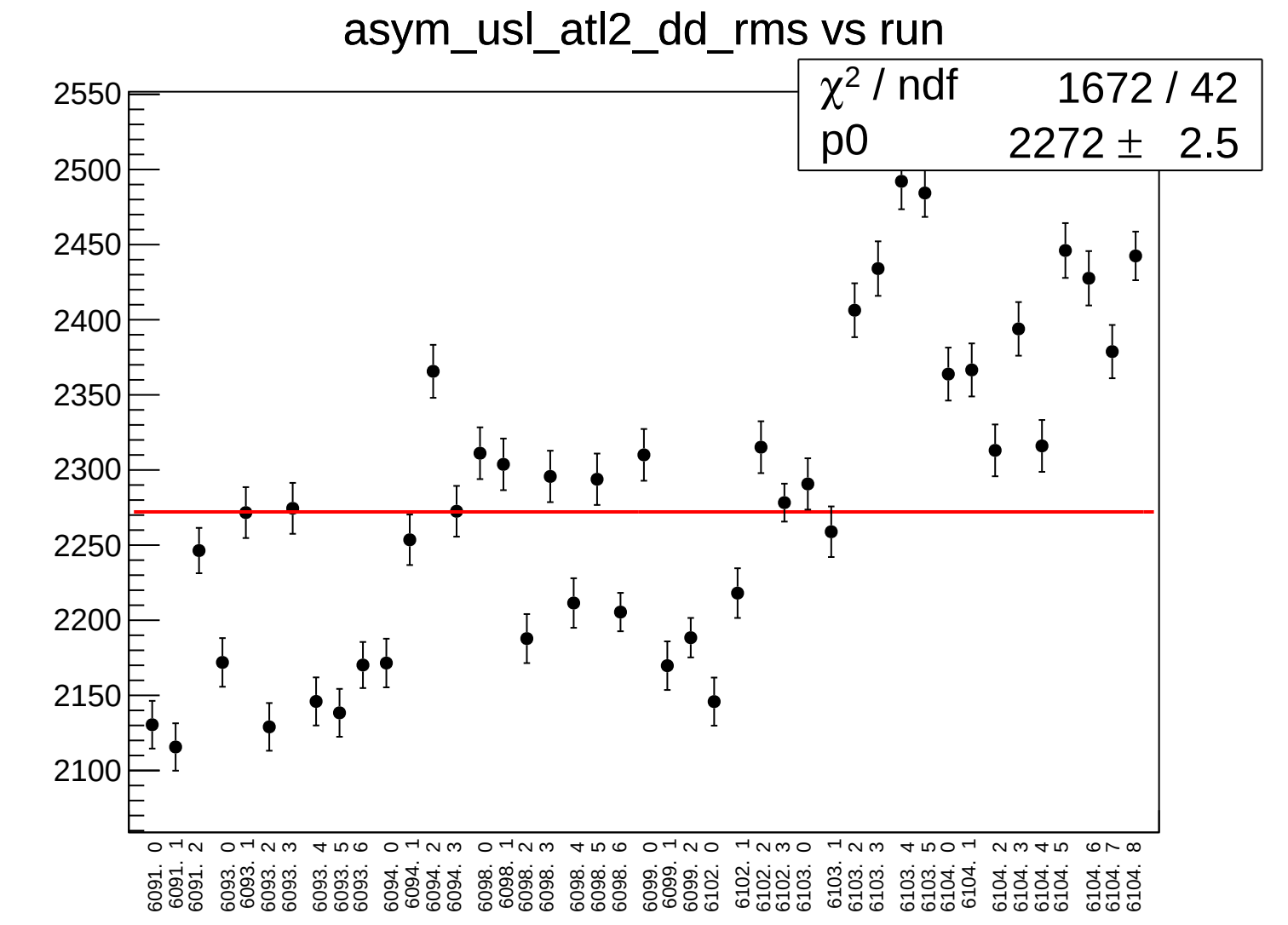


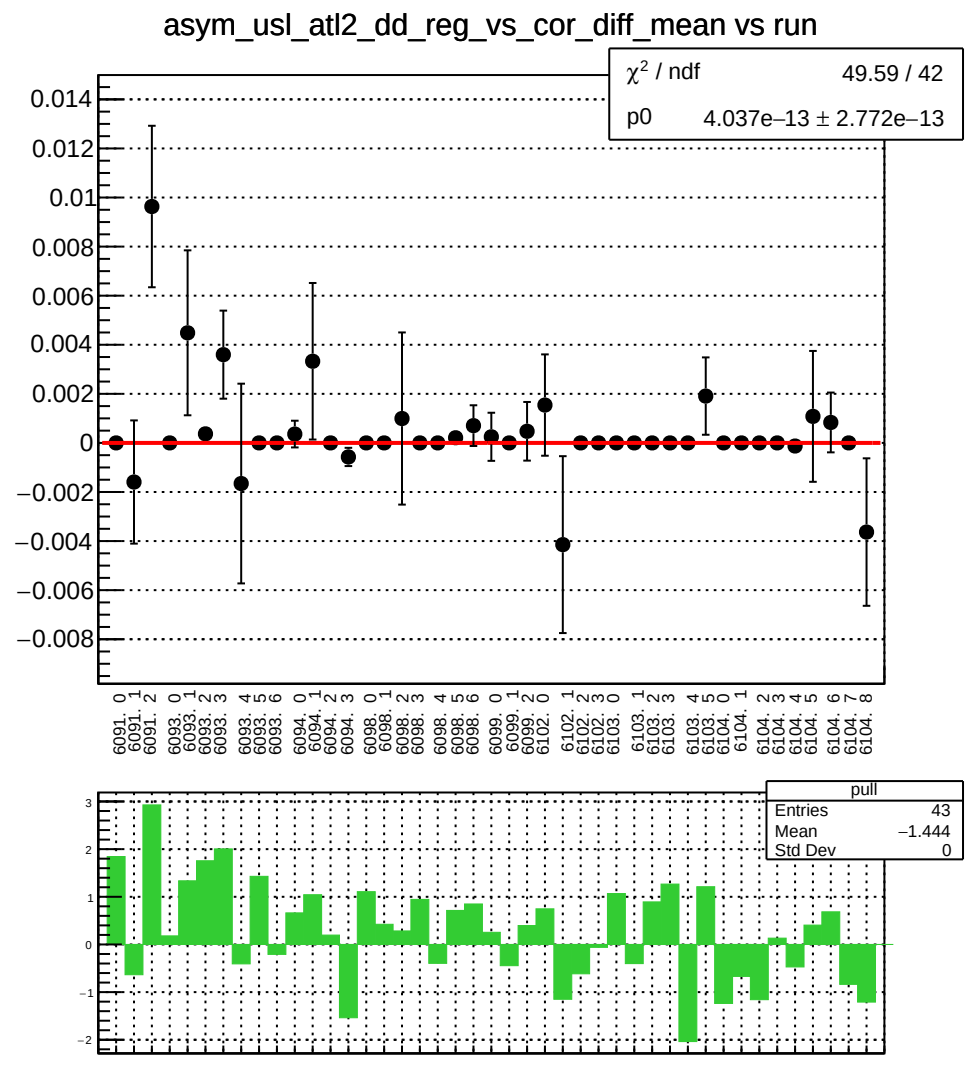


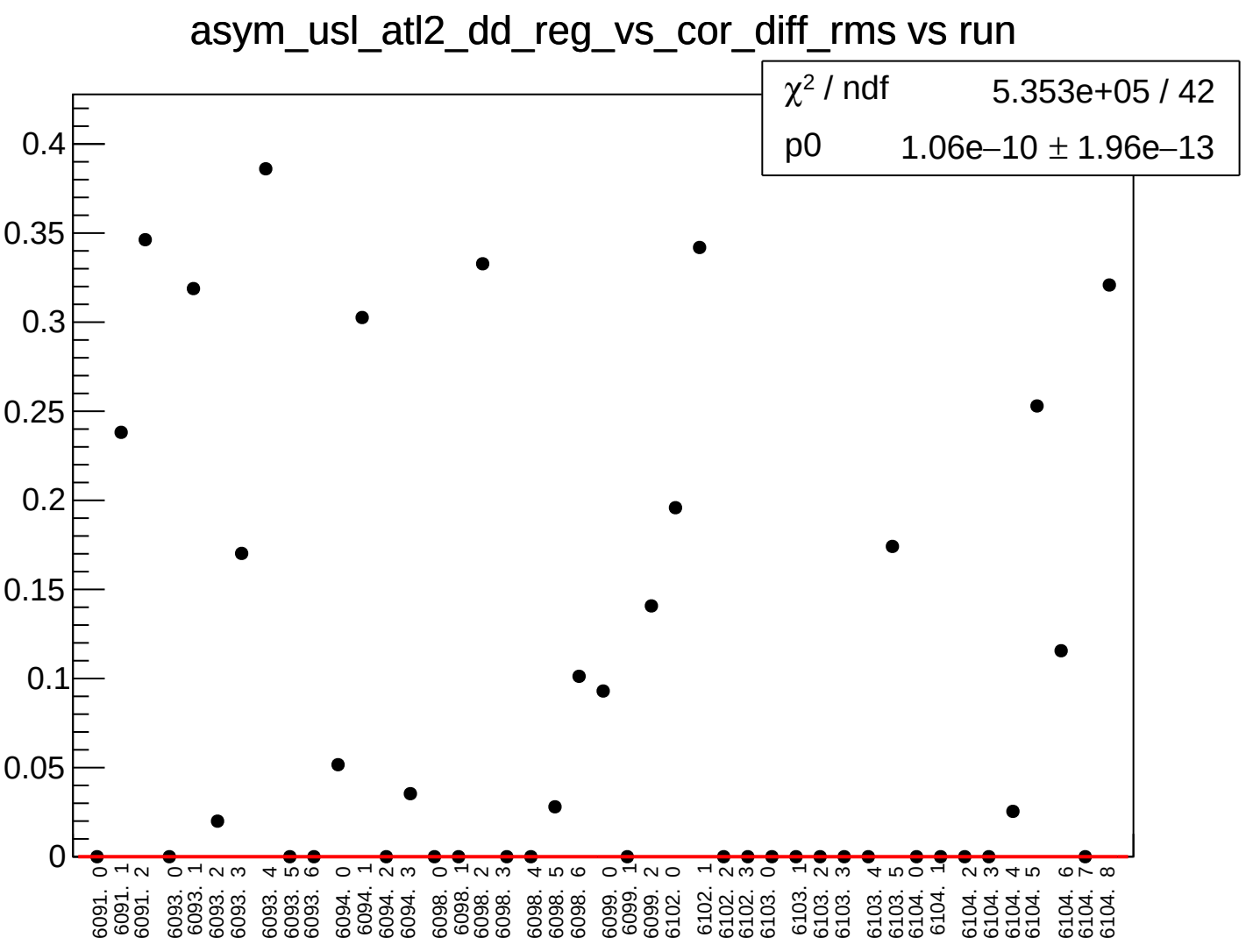

asym_usl_atl2_dd_eigen_dit_correction_rms vs run
χ² / ndf 3863 / 42
p0 2154 ± 2.374
2500
2400
2300
2200
2100
2000
1900
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

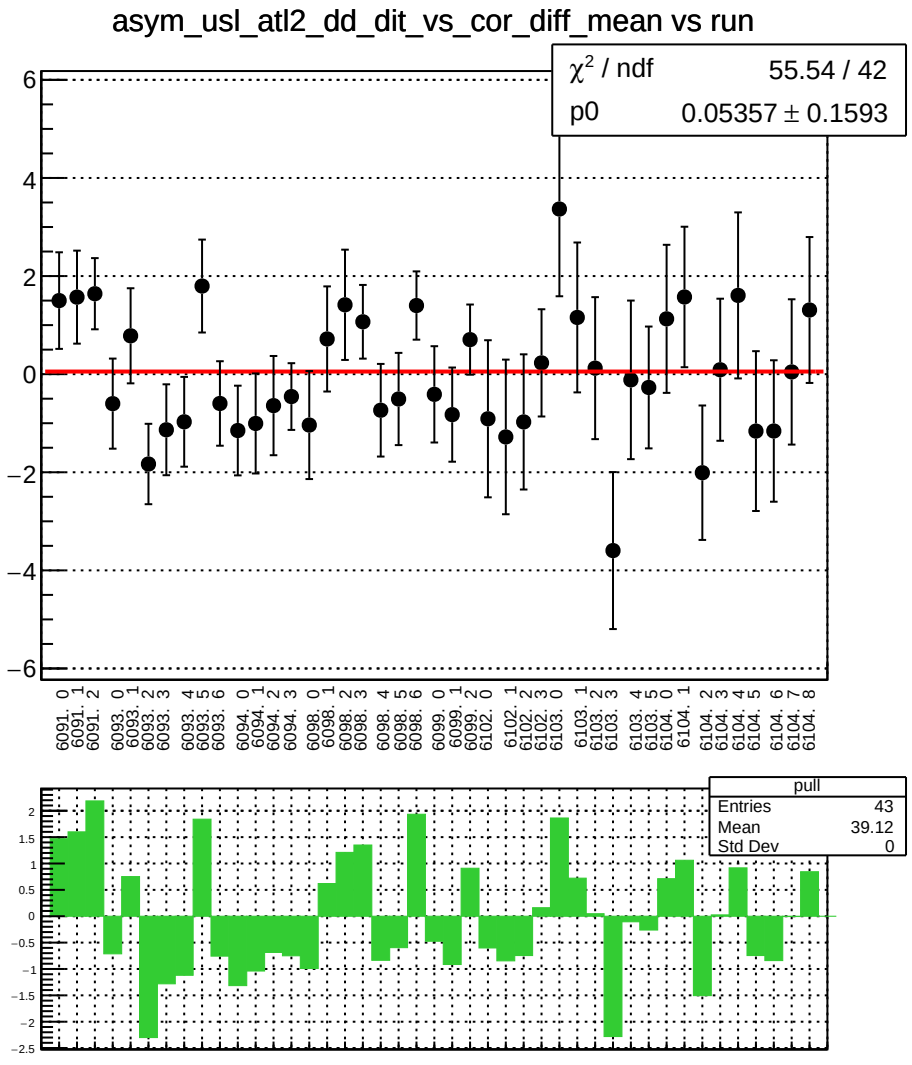

asym_usl_atl2_dd_mean vs run
χ² / ndf 44.86 / 42
p0 3927 ± 3536
80000
60000
40000
20000
0
−20000
−40000
−60000
−80000
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 4.239
Std Dev 0
2
1
0
−1
−2

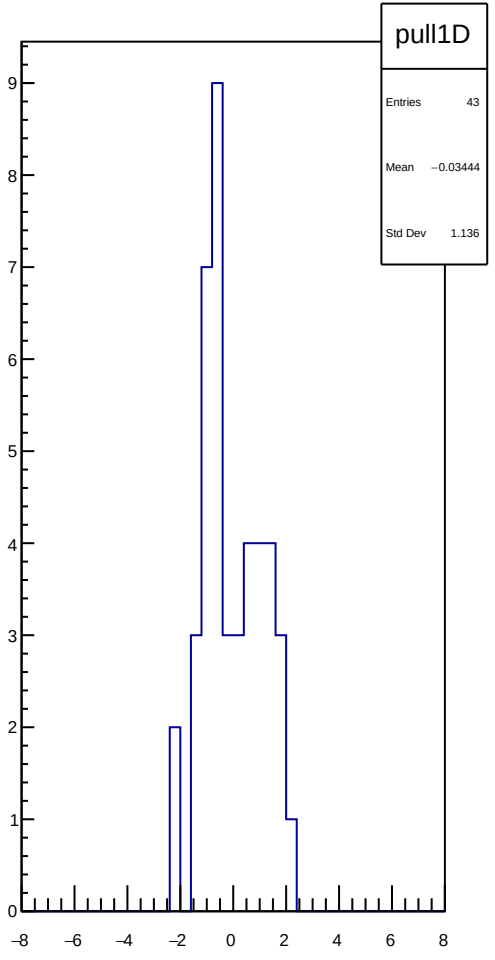

pull1D
Entries 43
Mean 0.01168
Std Dev 1.021
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

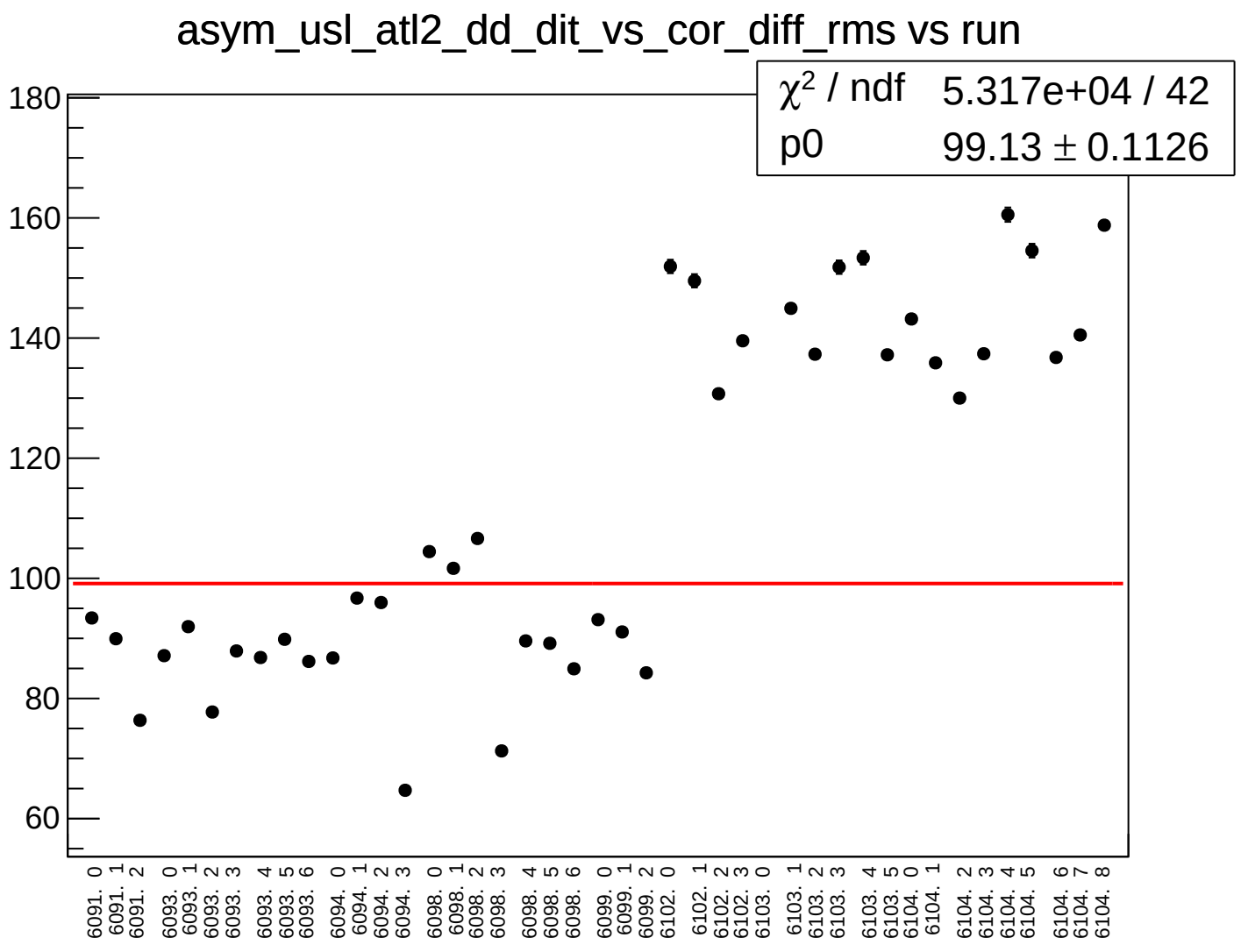

asym_usl_atl2_dd_rms vs run
χ² / ndf 1672 / 42
p0 2272 ± 2.5
2550
2500
2450
2400
2350
2300
2250
2200
2150
2100
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

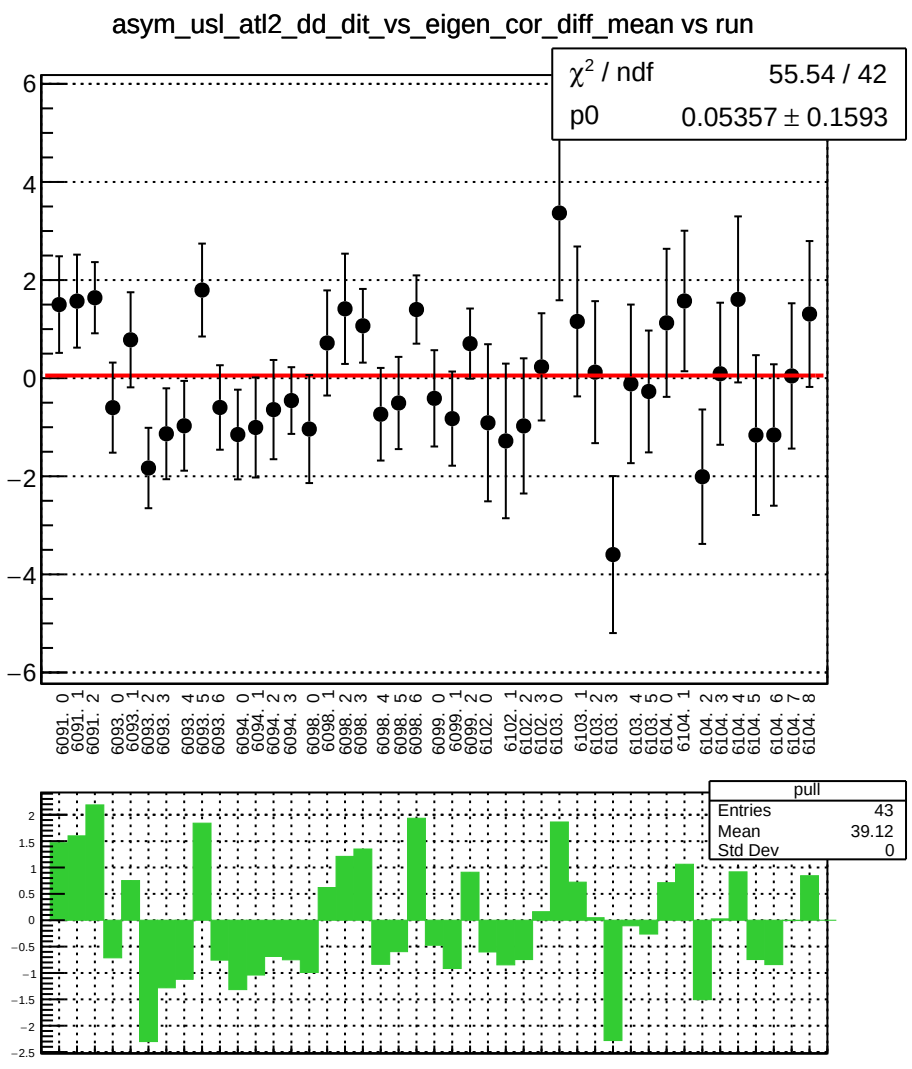

asym_usl_atl2_dd_reg_vs_cor_diff_mean vs run
χ² / ndf 49.59 / 42
p0 4.037e−13 ± 2.772e−13
0.014
0.012
0.01
0.008
0.006
0.004
0.002
0
−0.002
−0.004
−0.006
−0.008
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean −1.444
Std Dev 0
3
2
1
0
−1
−2
pull1D
Entries 43
Mean 0.2623
Std Dev 1.041
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

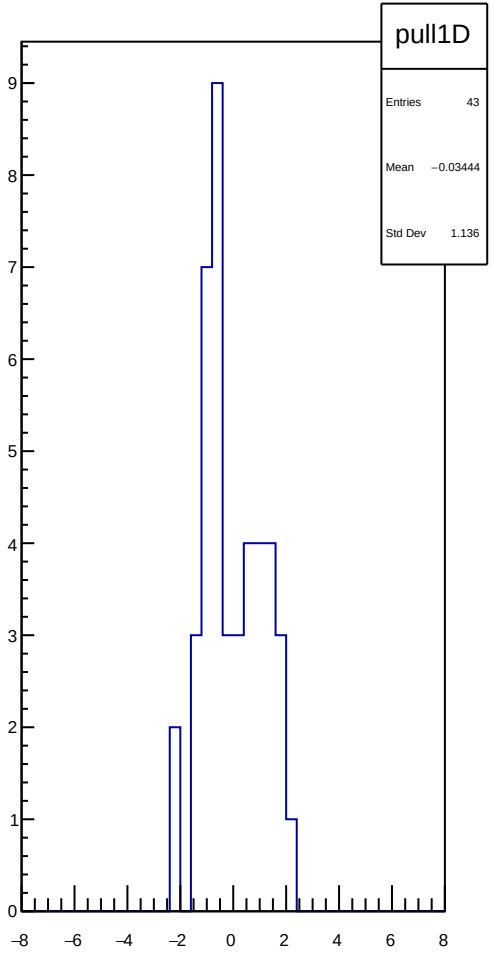

asym_usl_atl2_dd_reg_vs_cor_diff_rms vs run
χ² / ndf 5.353e+05 / 42
p0 1.06e−10 ± 1.96e−13
0.4
0.35
0.3
0.25
0.2
0.15
0.1
0.05
0
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

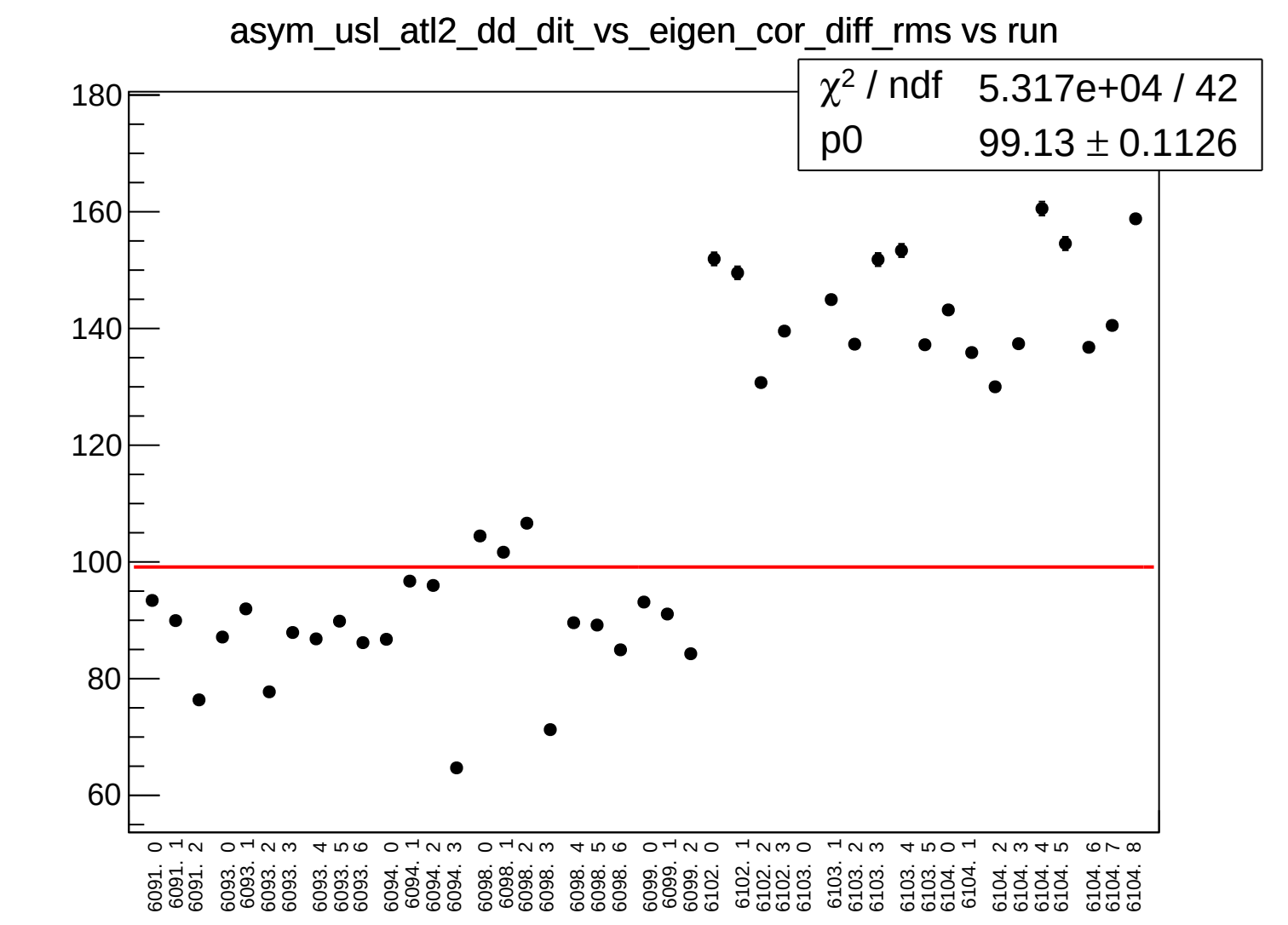

asym_usl_atl2_dd_dit_vs_cor_diff_mean vs run
χ² / ndf 55.54 / 42
p0 0.05357 ± 0.1593
pull
Entries 43
Mean 39.12
Std Dev 0

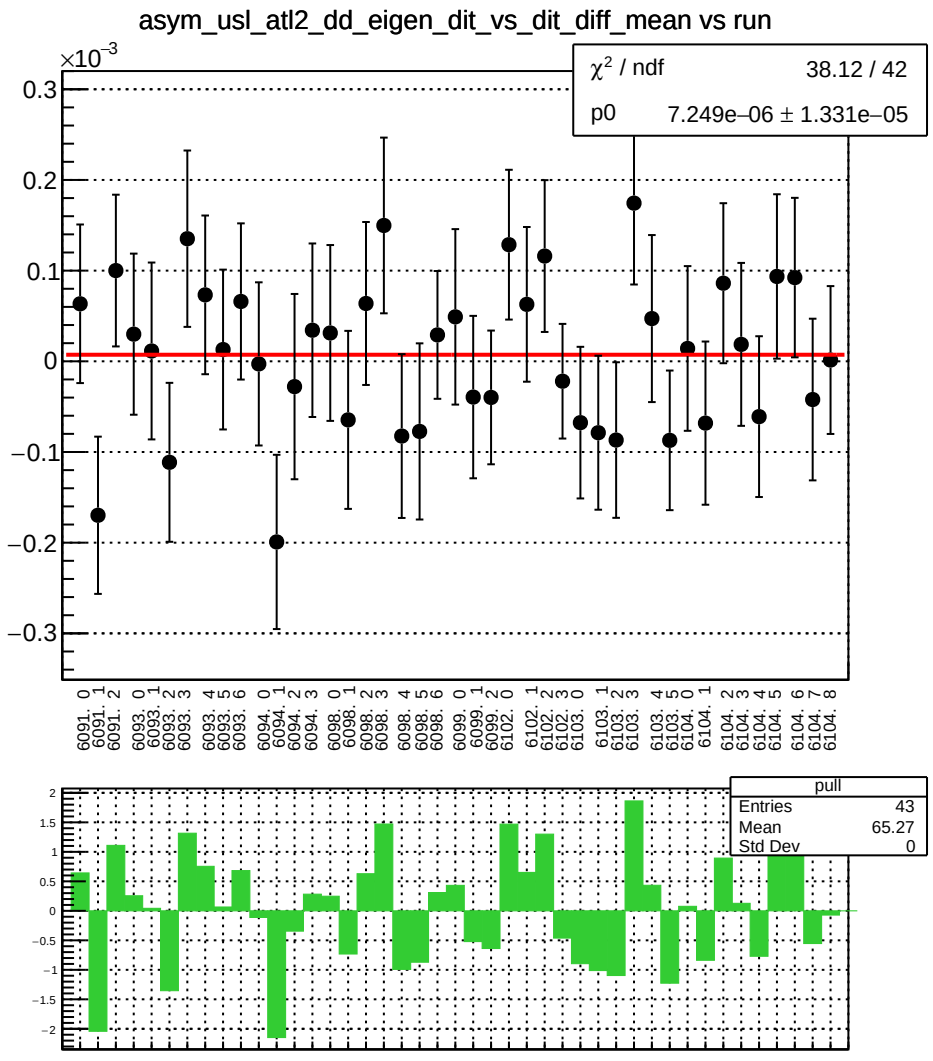

pull1D
Entries 43
Mean −0.03444
Std Dev 1.136

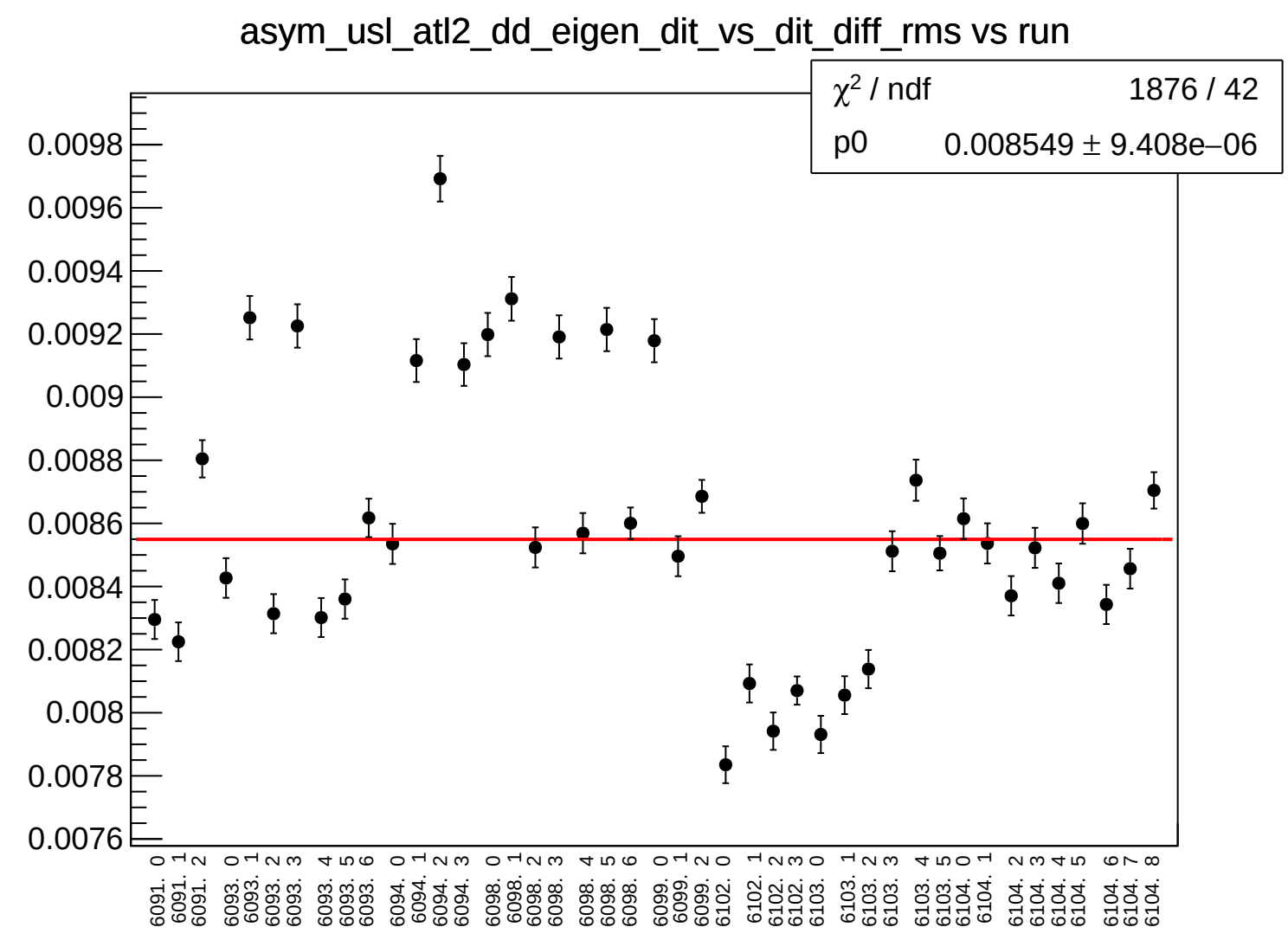

asym_usl_atl2_dd_dit_vs_cor_diff_rms vs run
χ² / ndf 5.317e+04 / 42
p0 99.13 ± 0.1126
180
160
140
120
100
80
60
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

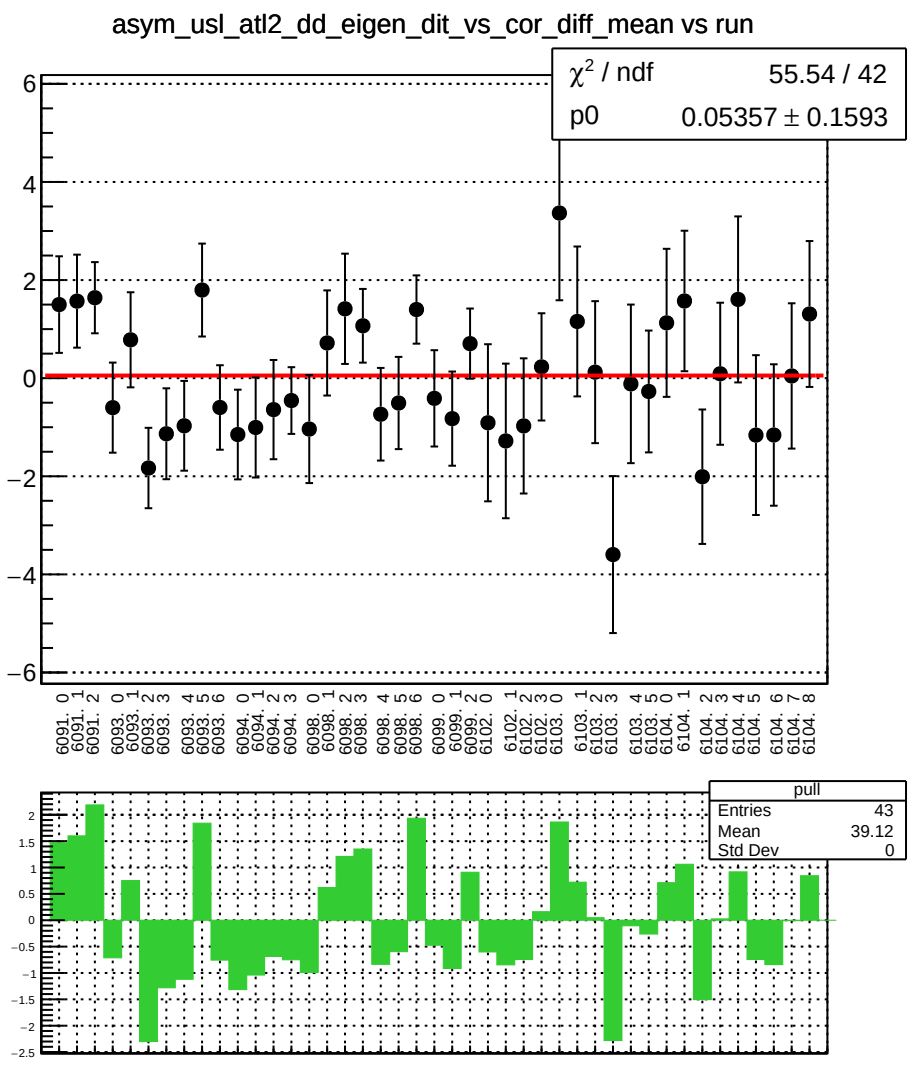

asym_usl_atl2_dd_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 55.54 / 42
p0 0.05357 ± 0.1593
pull
Entries 43
Mean 39.12
Std Dev 0

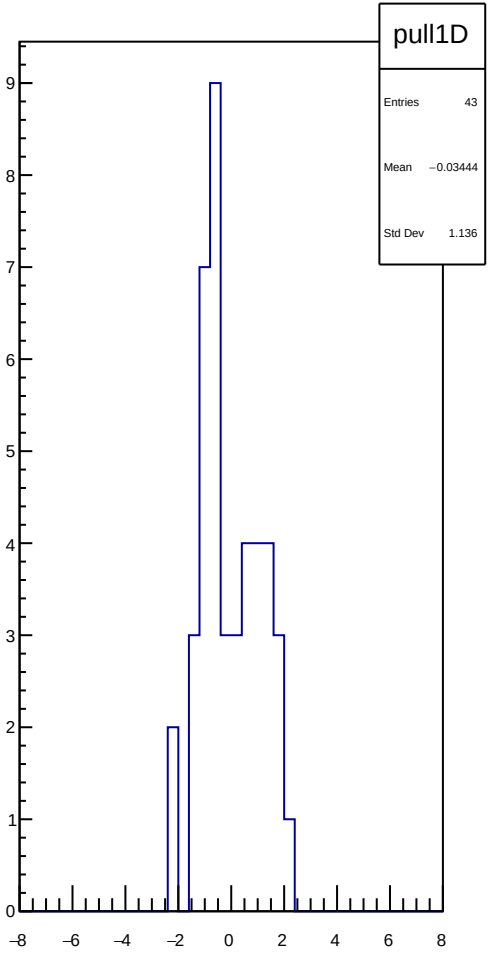

pull1D
Entries 43
Mean −0.03444
Std Dev 1.136

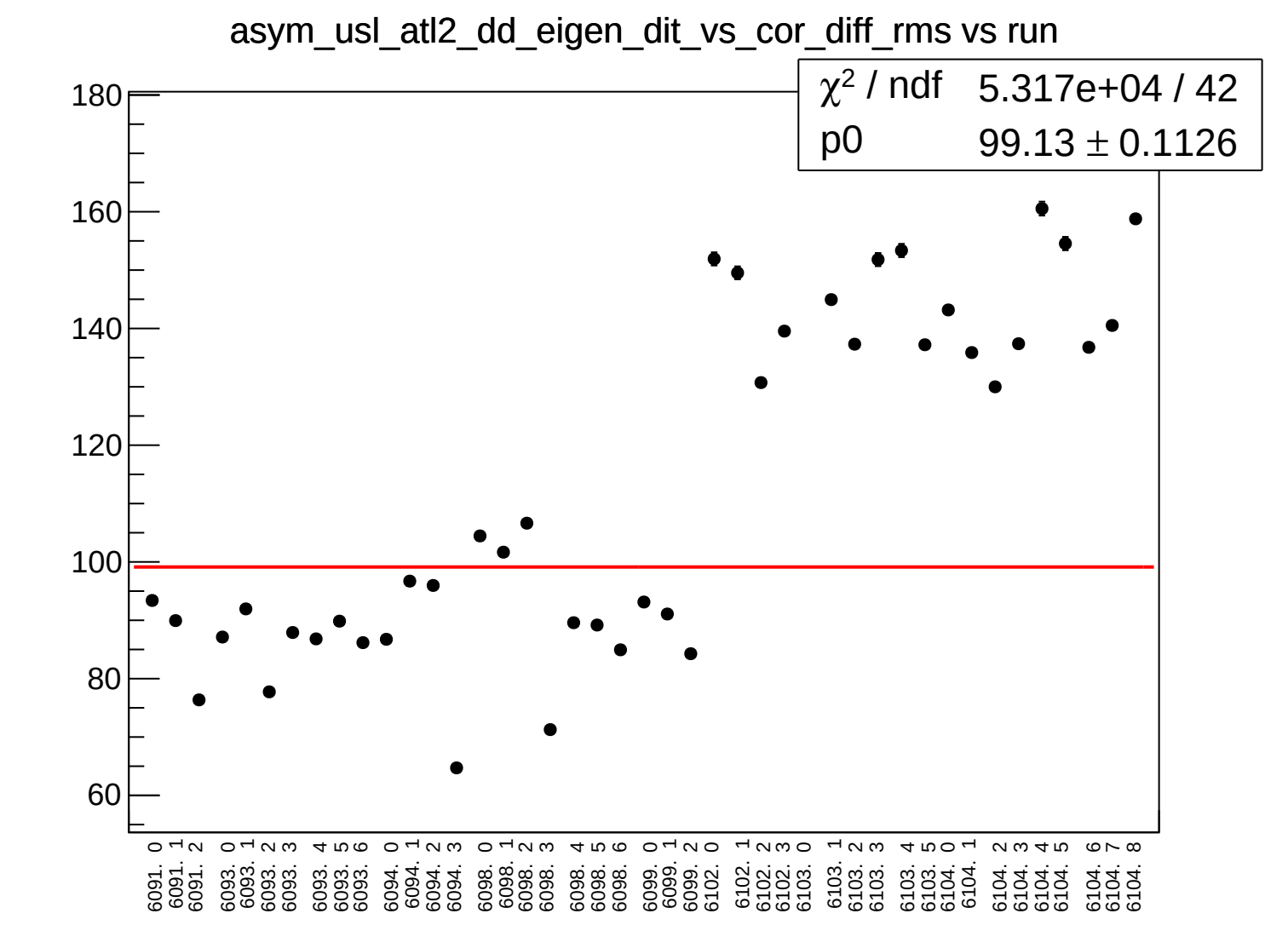

asym_usl_atl2_dd_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 5.317e+04 / 42
p0 99.13 ± 0.1126
180
160
140
120
100
80
60
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

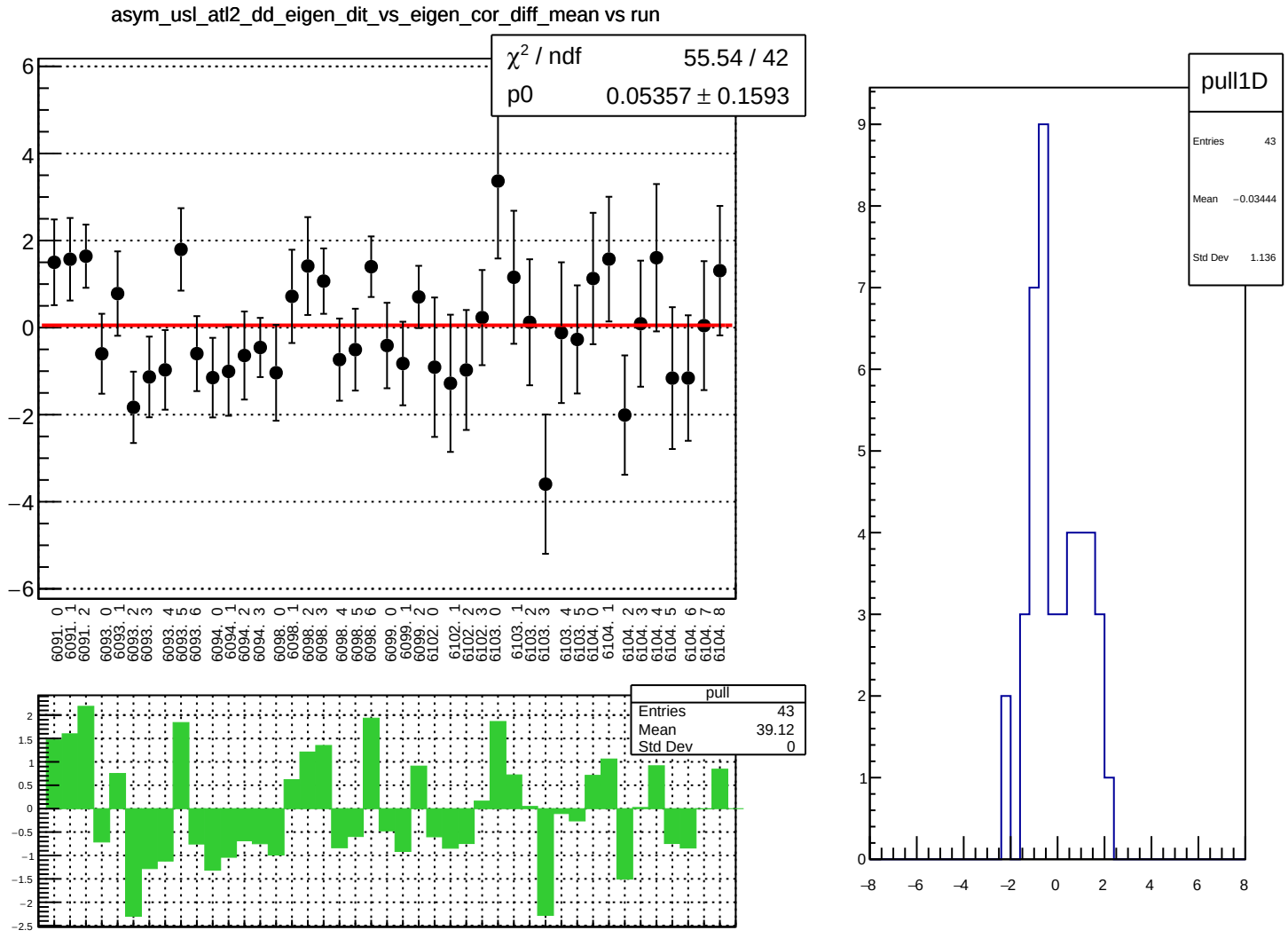

asym_usl_atl2_dd_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 38.12 / 42
p0 7.249e−06 ± 1.331e−05
0.3
0.2
0.1
0
−0.1
−0.2
−0.3
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 65.27
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 43
Mean 0.006797
Std Dev 0.9416
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

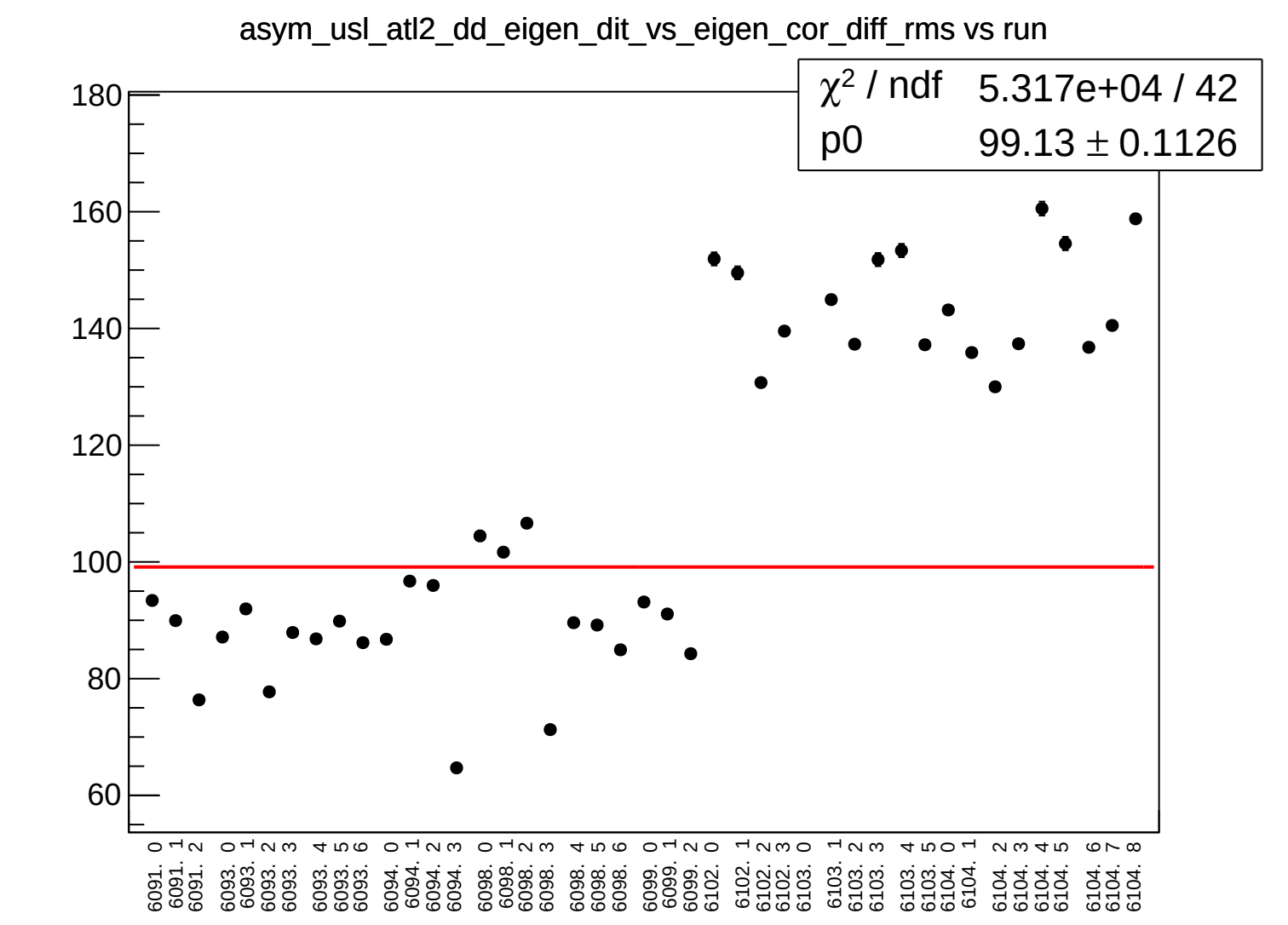

asym_usl_atl2_dd_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 1876 / 42
p0 0.008549 ± 9.408e−06
0.0098
0.0096
0.0094
0.0092
0.009
0.0088
0.0086
0.0084
0.0082
0.008
0.0078
0.0076
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

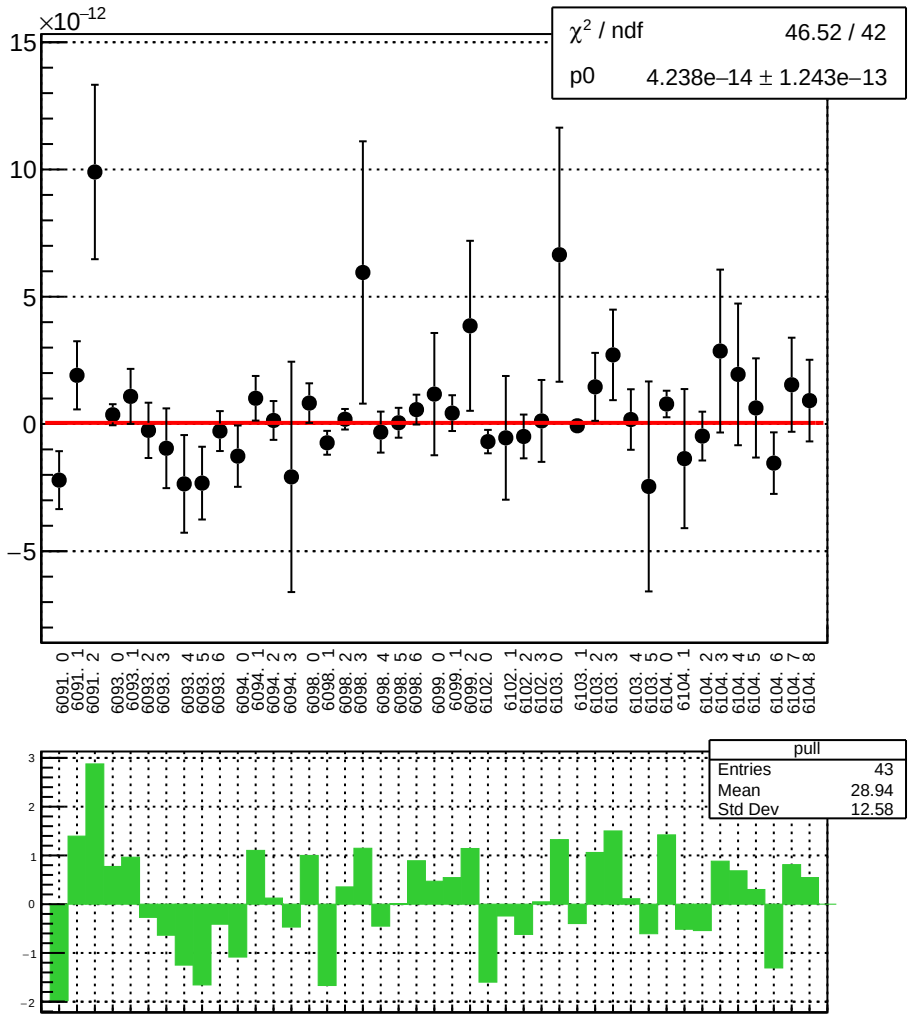

asym_usl_atl2_dd_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 55.54 / 42
p0 0.05357 ± 0.1593
pull
Entries 43
Mean 39.12
Std Dev 0

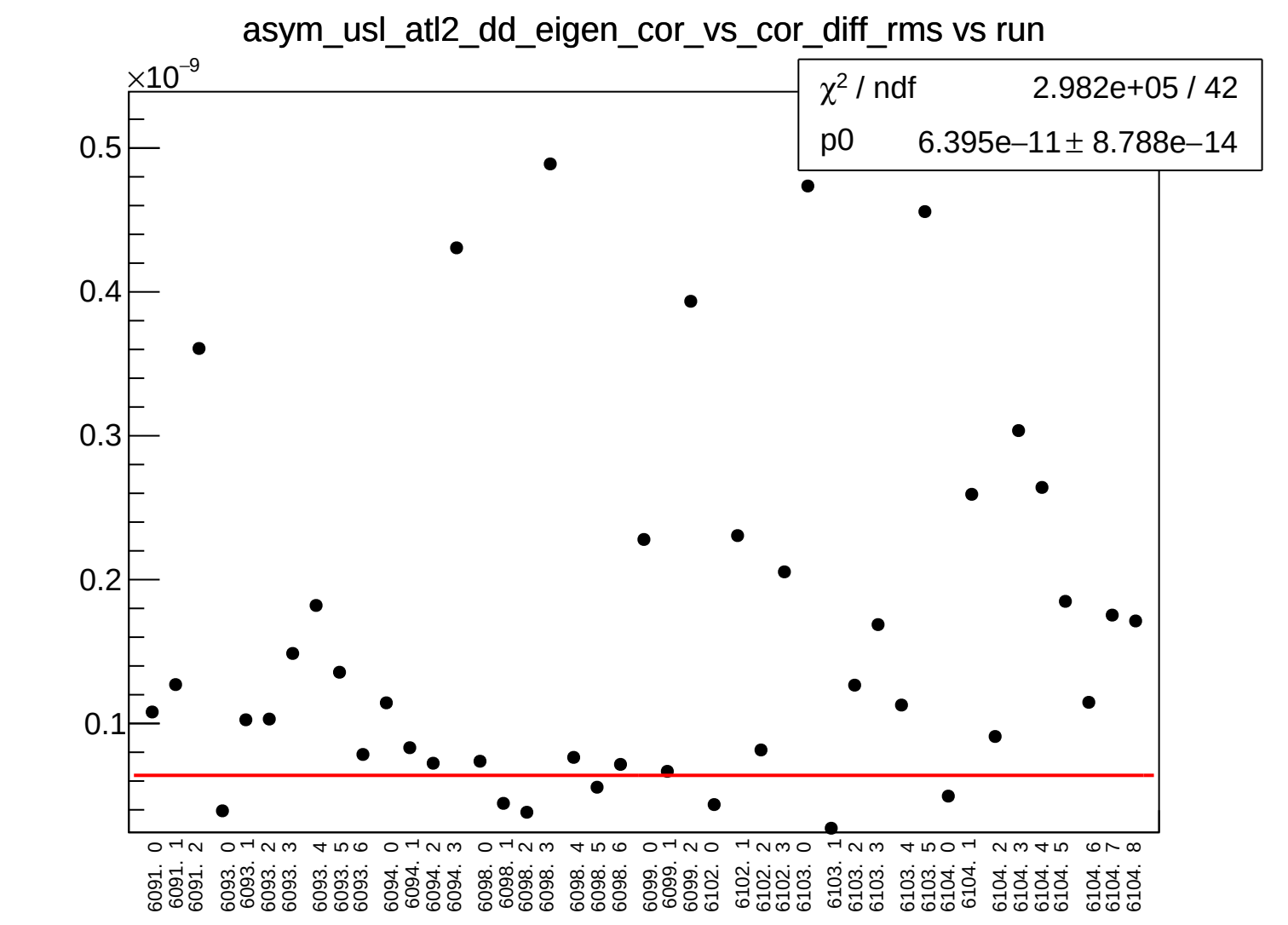

pull1D
Entries 43
Mean −0.03444
Std Dev 1.136

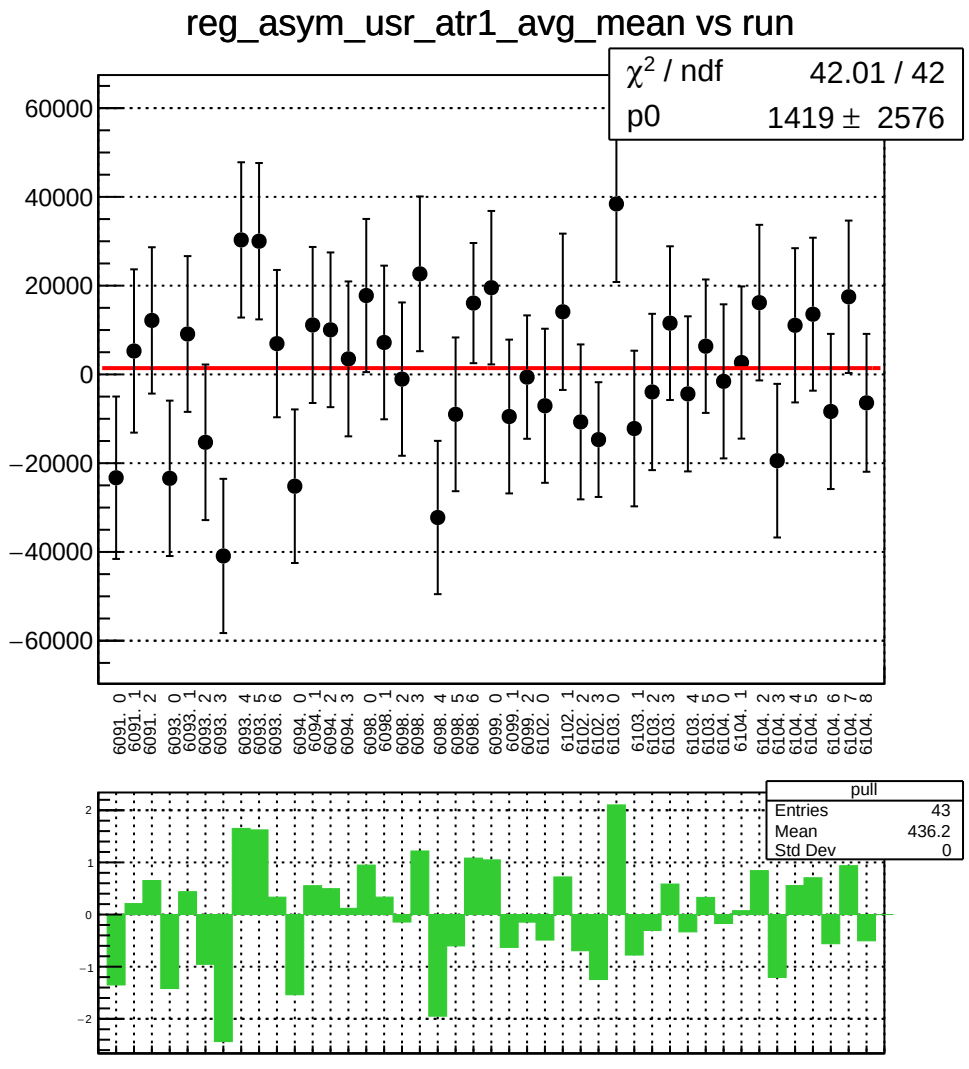

asym_usl_atl2_dd_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 5.317e+04 / 42
p0 99.13 ± 0.1126
180
160
140
120
100
80
60
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

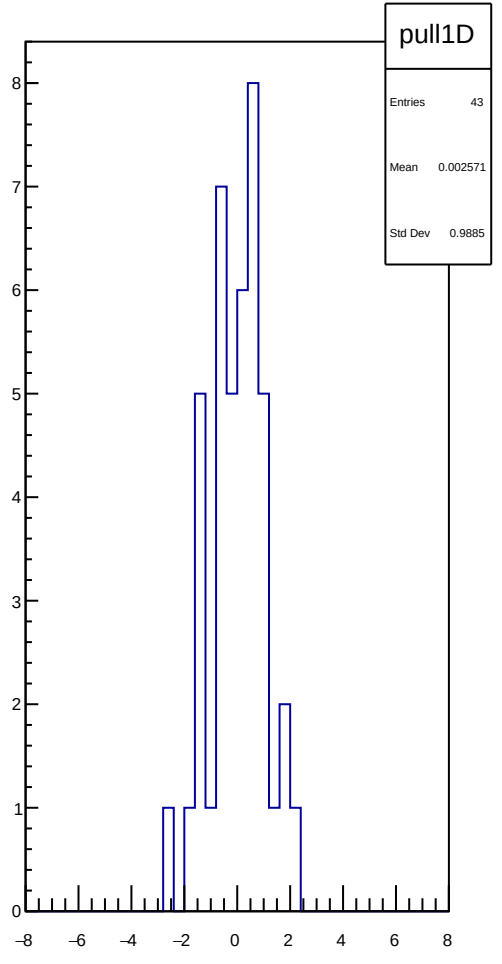

asym_usl_atl2_dd_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 55.54 / 42
p0 0.05357 ± 0.1593
pull
Entries 43
Mean 39.12
Std Dev 0
pull1D
Entries 43
Mean −0.03444
Std Dev 1.136

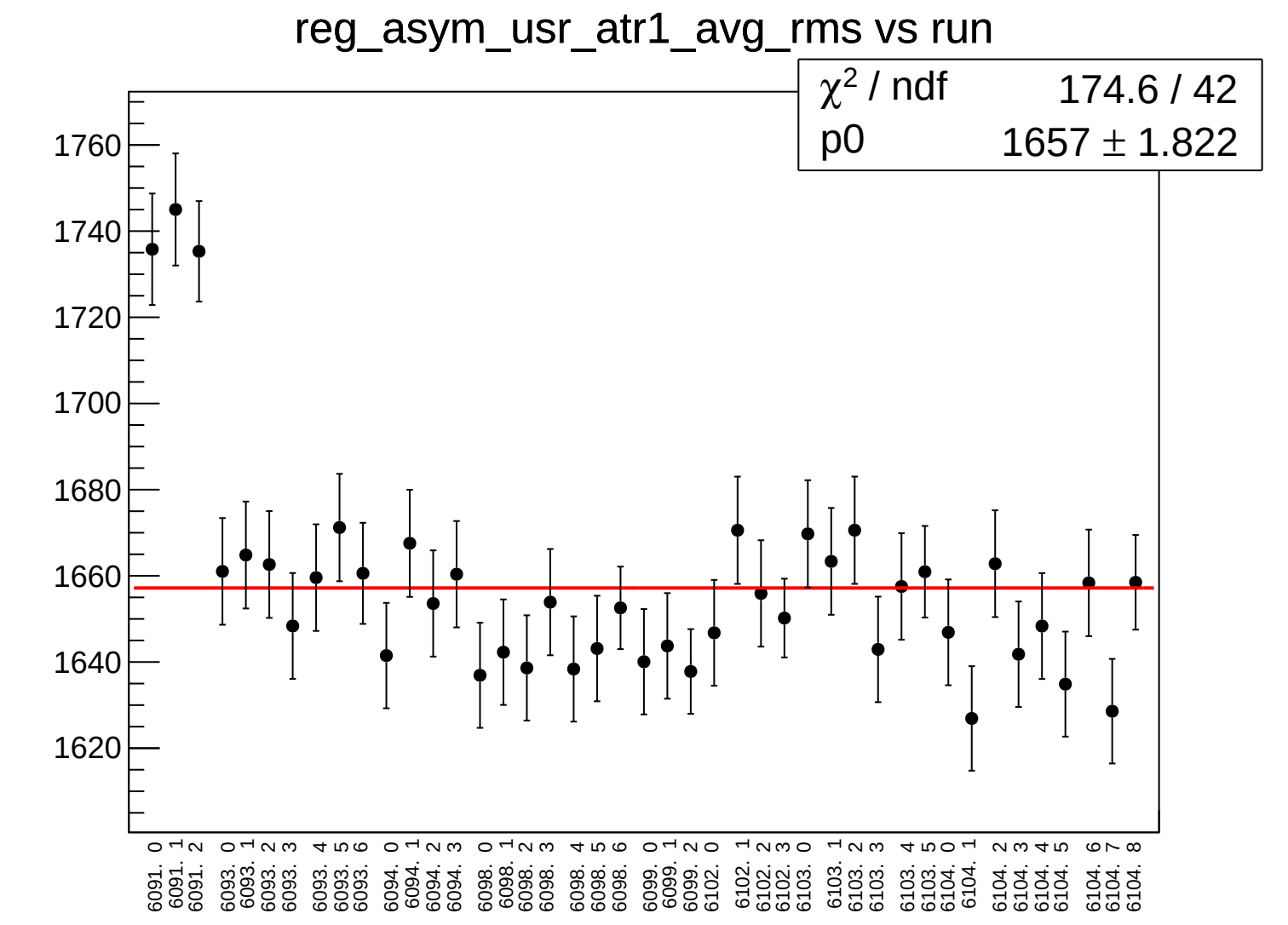

asym_usl_atl2_dd_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 5.317e+04 / 42
p0 99.13 ± 0.1126
180
160
140
120
100
80
60
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

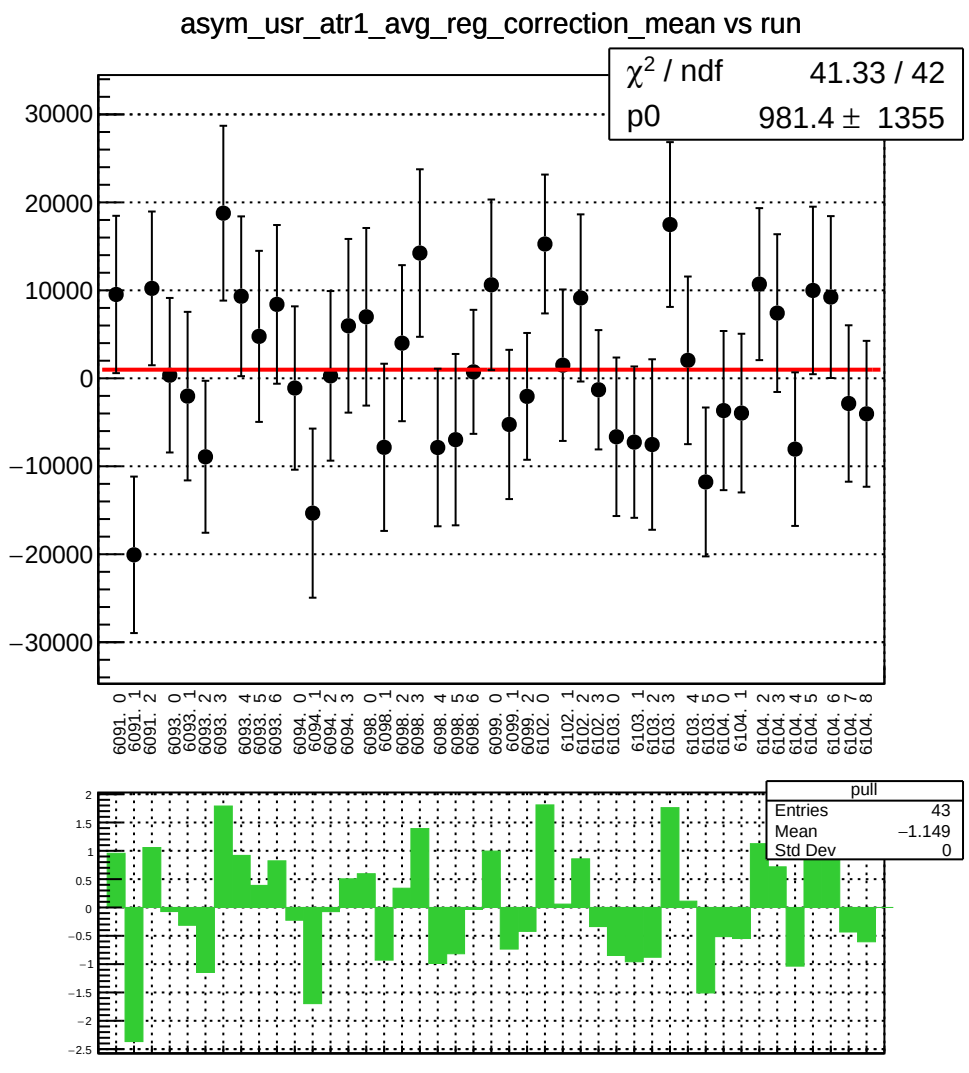

asym_usl_atl2_dd_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 46.52 / 42
p0 4.238e−14 ± 1.243e−13
15
10
5
0
−5
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 28.94
Std Dev 12.58
3
2
1
0
−1
−2
pull1D
Entries 43
Mean 0.1348
Std Dev 1.031
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

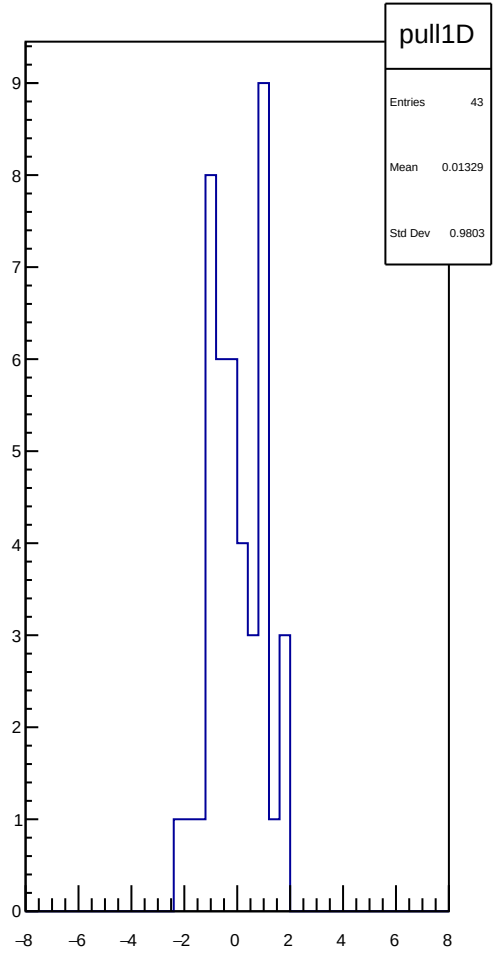

asym_usl_atl2_dd_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 2.982e+05 / 42
p0 6.395e−11 ± 8.788e−14
0.5
0.4
0.3
0.2
0.1
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

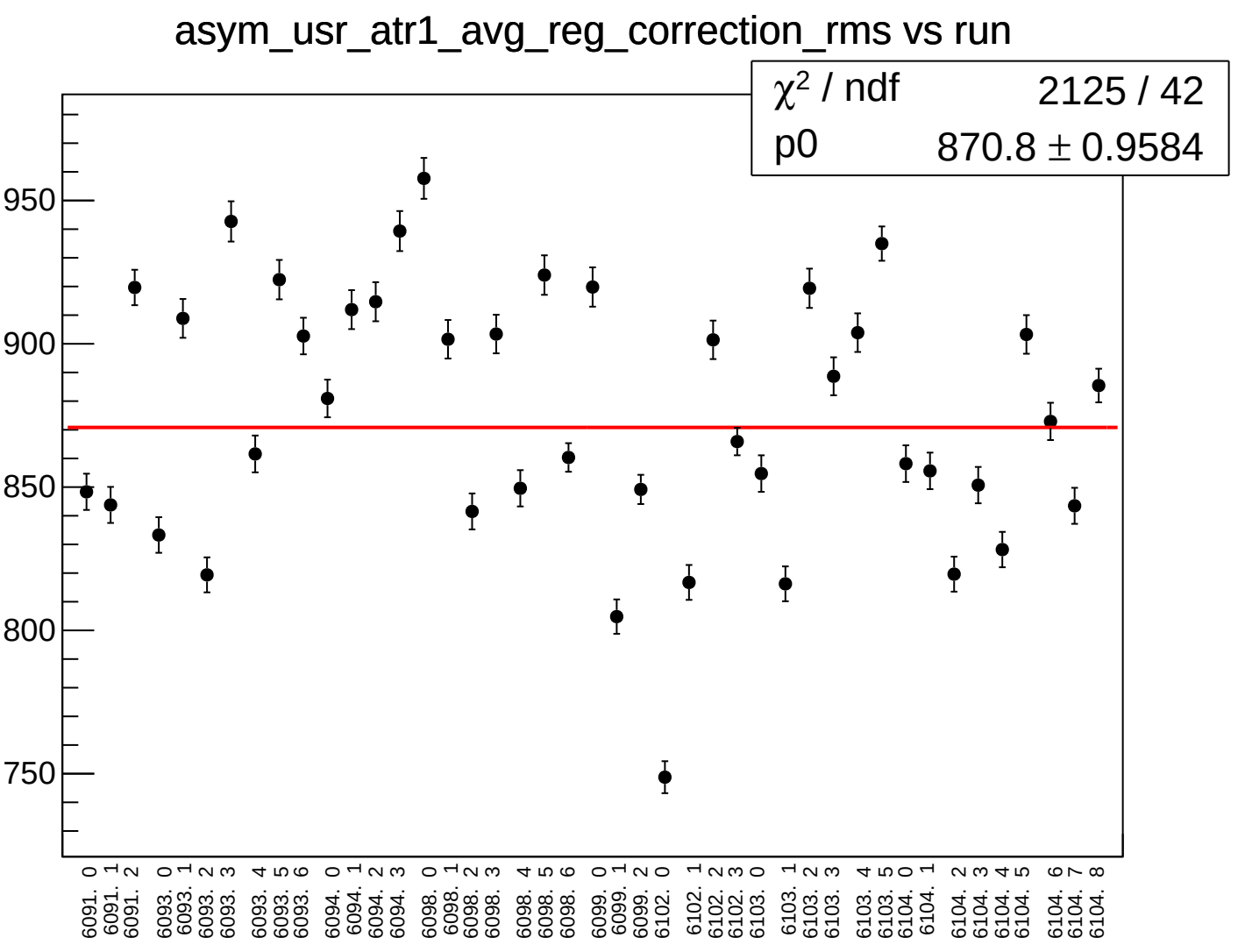

reg_asym_usr_atr1_avg_mean vs run
χ² / ndf 42.01 / 42
p0 1419 ± 2576
60000
40000
20000
0
−20000
−40000
−60000
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 436.2
Std Dev 0
2
1
0
−1
−2

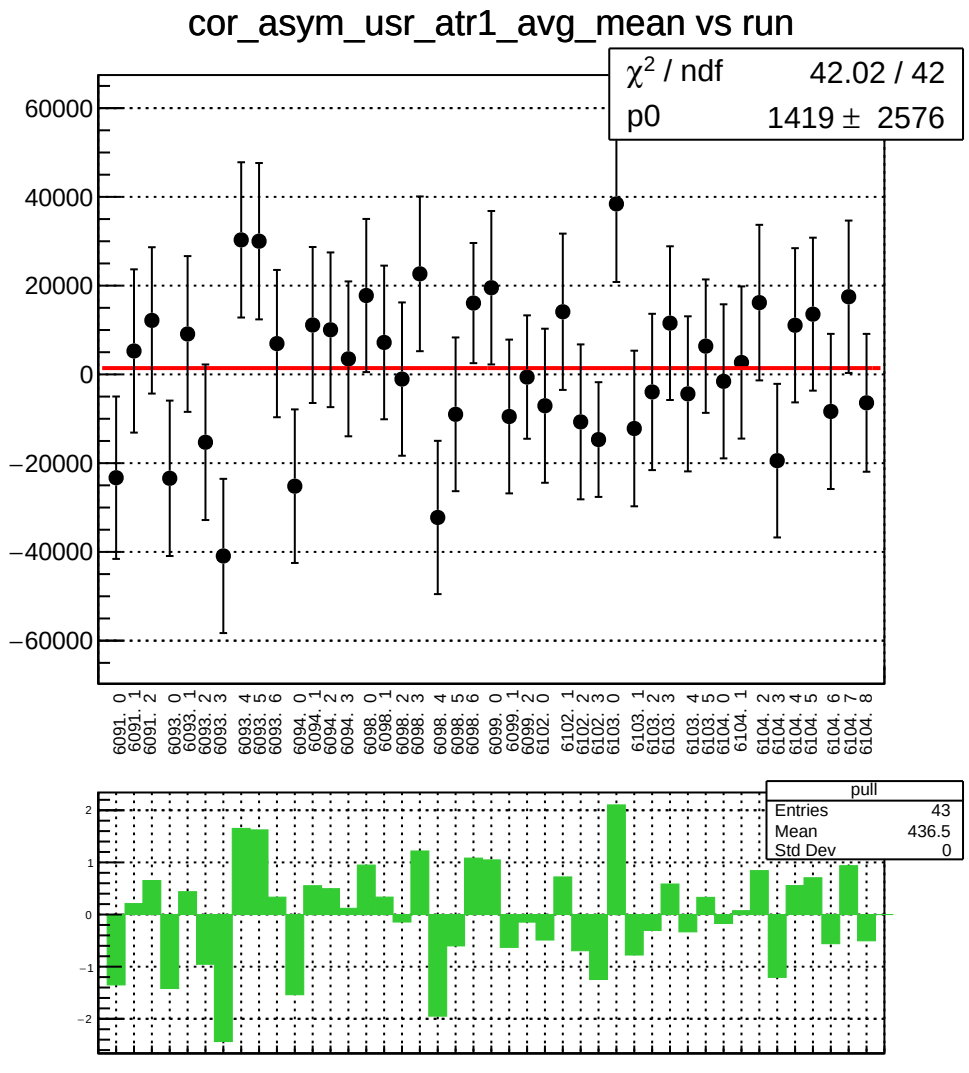

pull1D
Entries 43
Mean 0.002571
Std Dev 0.9885
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

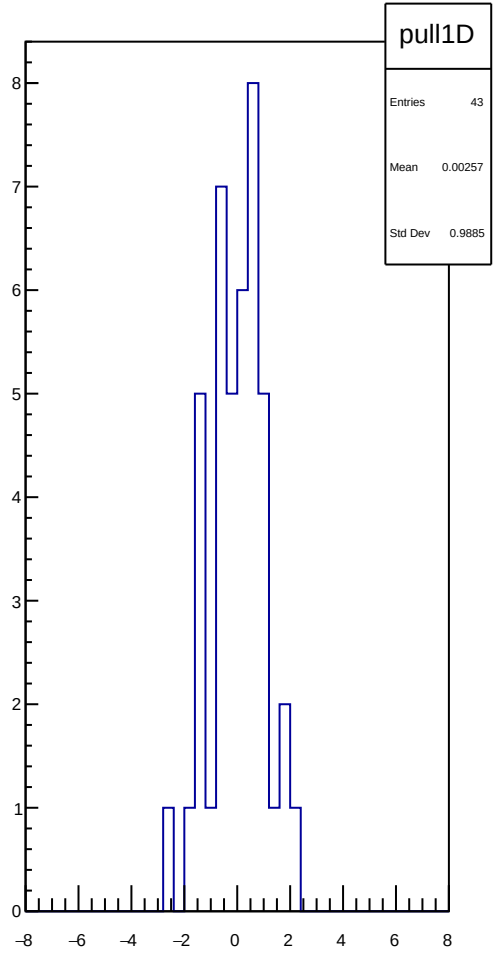

reg_asym_usr_atr1_avg_rms vs run
χ² / ndf 174.6 / 42
p0 1657 ± 1.822
1760
1740
1720
1700
1680
1660
1640
1620
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

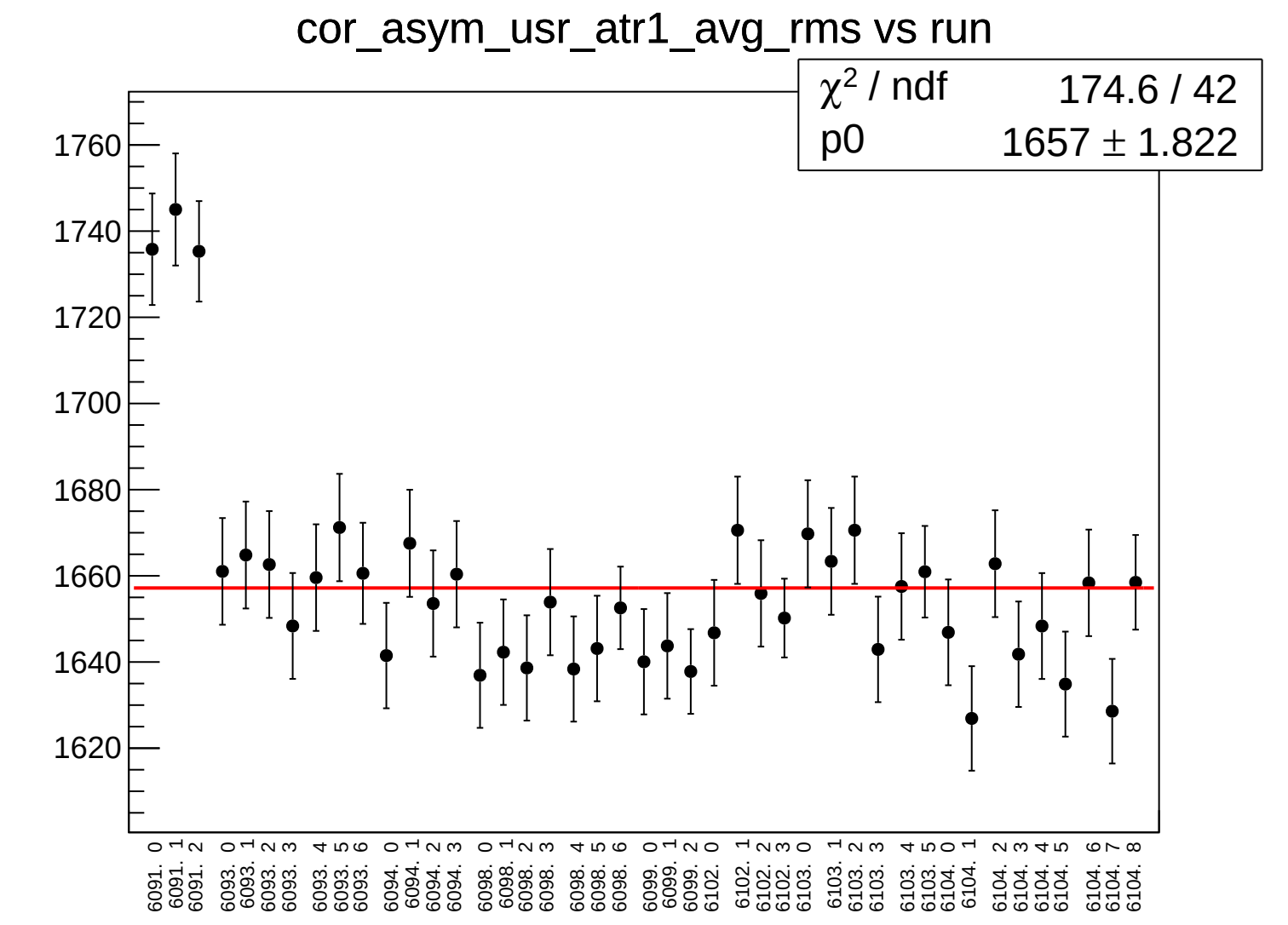

asym_usr_atr1_avg_reg_correction_mean vs run
χ² / ndf 41.33 / 42
p0 981.4 ± 1355
30000
20000
10000
0
−10000
−20000
−30000
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean −1.149
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5


pull1D
Entries 43
Mean 0.01329
Std Dev 0.9803
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 2125 / 42
p0 870.8 ± 0.9584
950
900
850
800
750
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8


cor_asym_usr_atr1_avg_mean vs run
χ² / ndf 42.02 / 42
p0 1419 ± 2576
60000
40000
20000
0
−20000
−40000
−60000
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 436.5
Std Dev 0
2
1
0
−1
−2


pull1D
Entries 43
Mean 0.00257
Std Dev 0.9885
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


cor_asym_usr_atr1_avg_rms vs run
χ² / ndf 174.6 / 42
p0 1657 ± 1.822
1760
1740
1720
1700
1680
1660
1640
1620
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
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6103. 4
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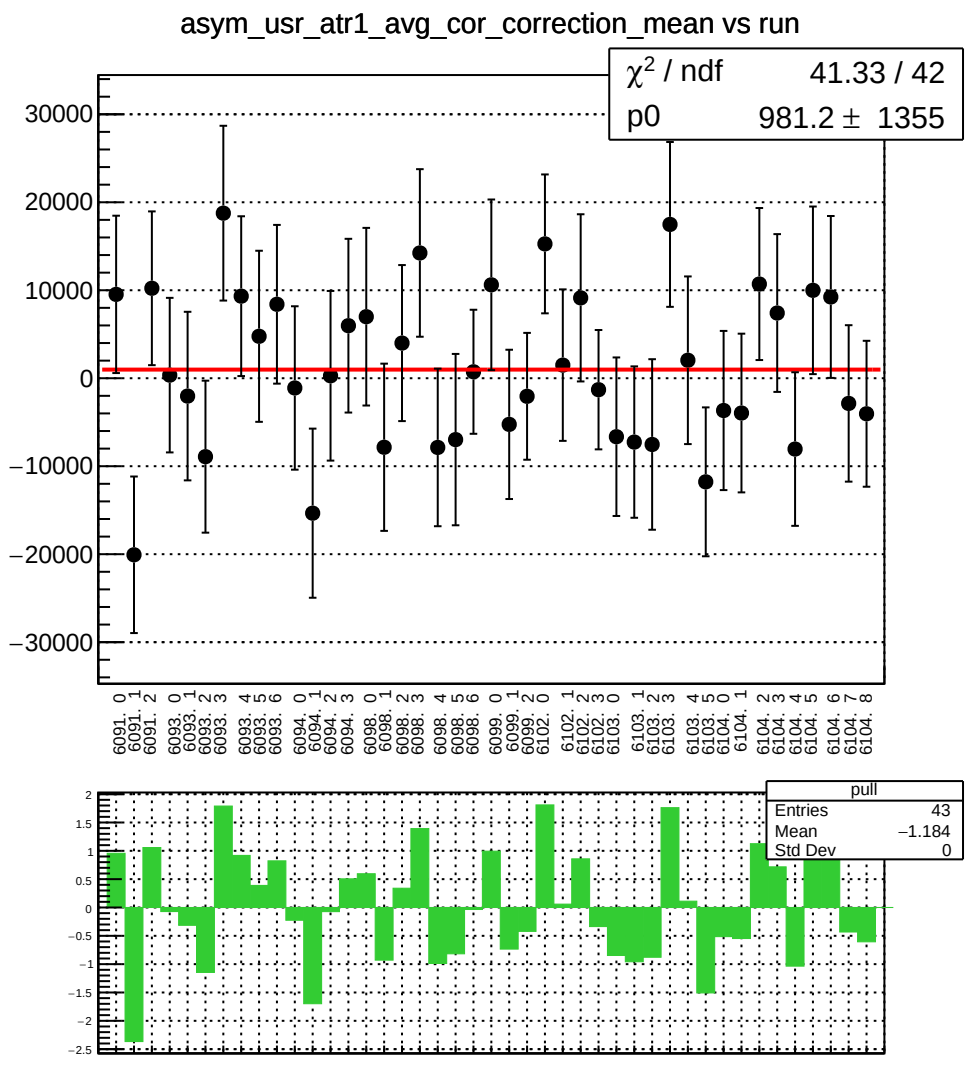
6104. 8


asym_usr_atr1_avg_cor_correction_mean vs run
χ² / ndf 41.33 / 42
p0 981.2 ± 1355
30000
20000
10000
0
−10000
−20000
−30000
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
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6094. 2
6094. 3
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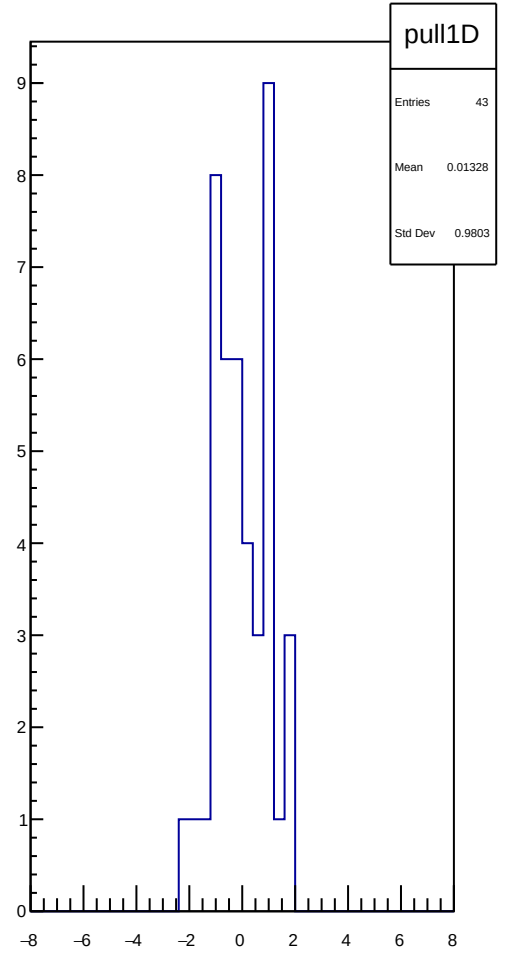
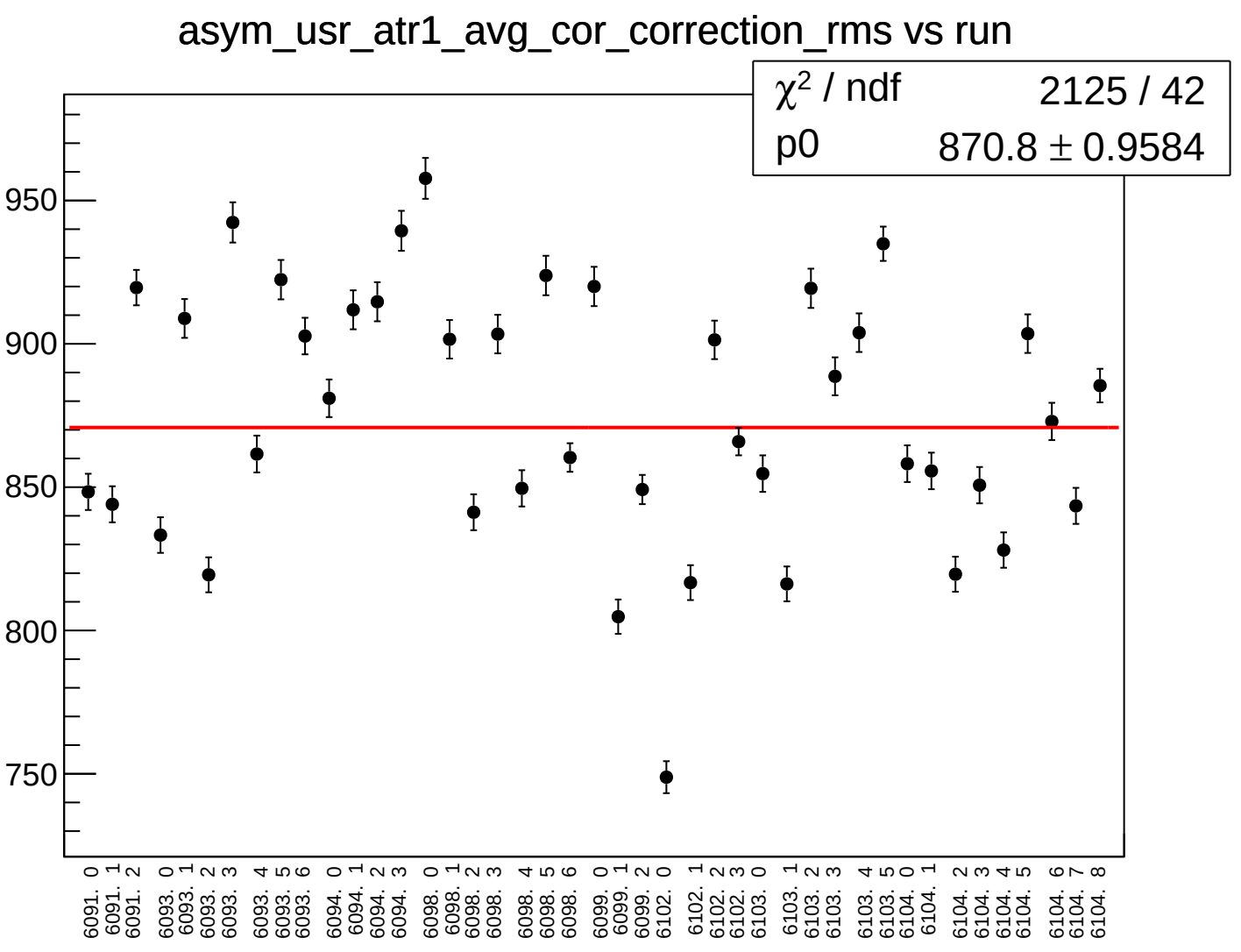
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean −1.184
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5


pull1D
Entries 43
Mean 0.01328
Std Dev 0.9803
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 2125 / 42
p0 870.8 ± 0.9584
950
900
850
800
750
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
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6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
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6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
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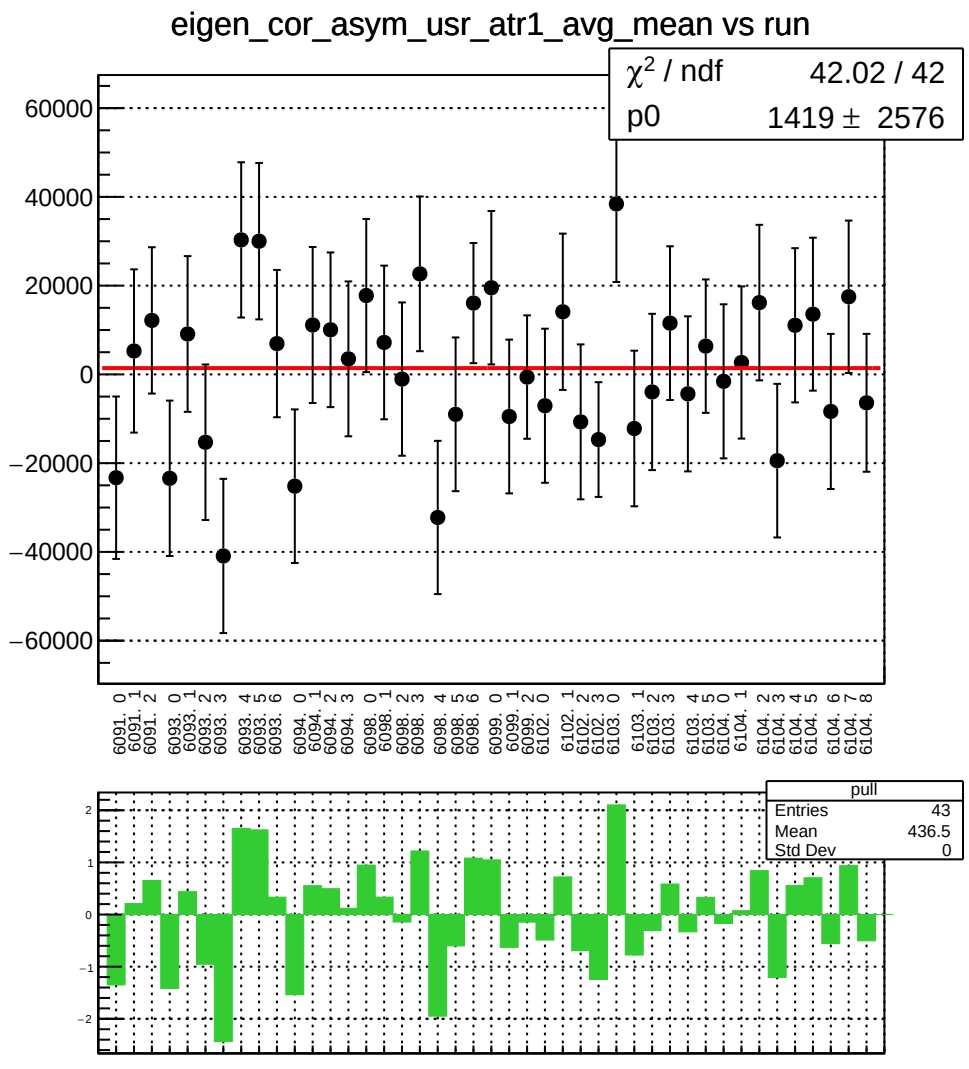
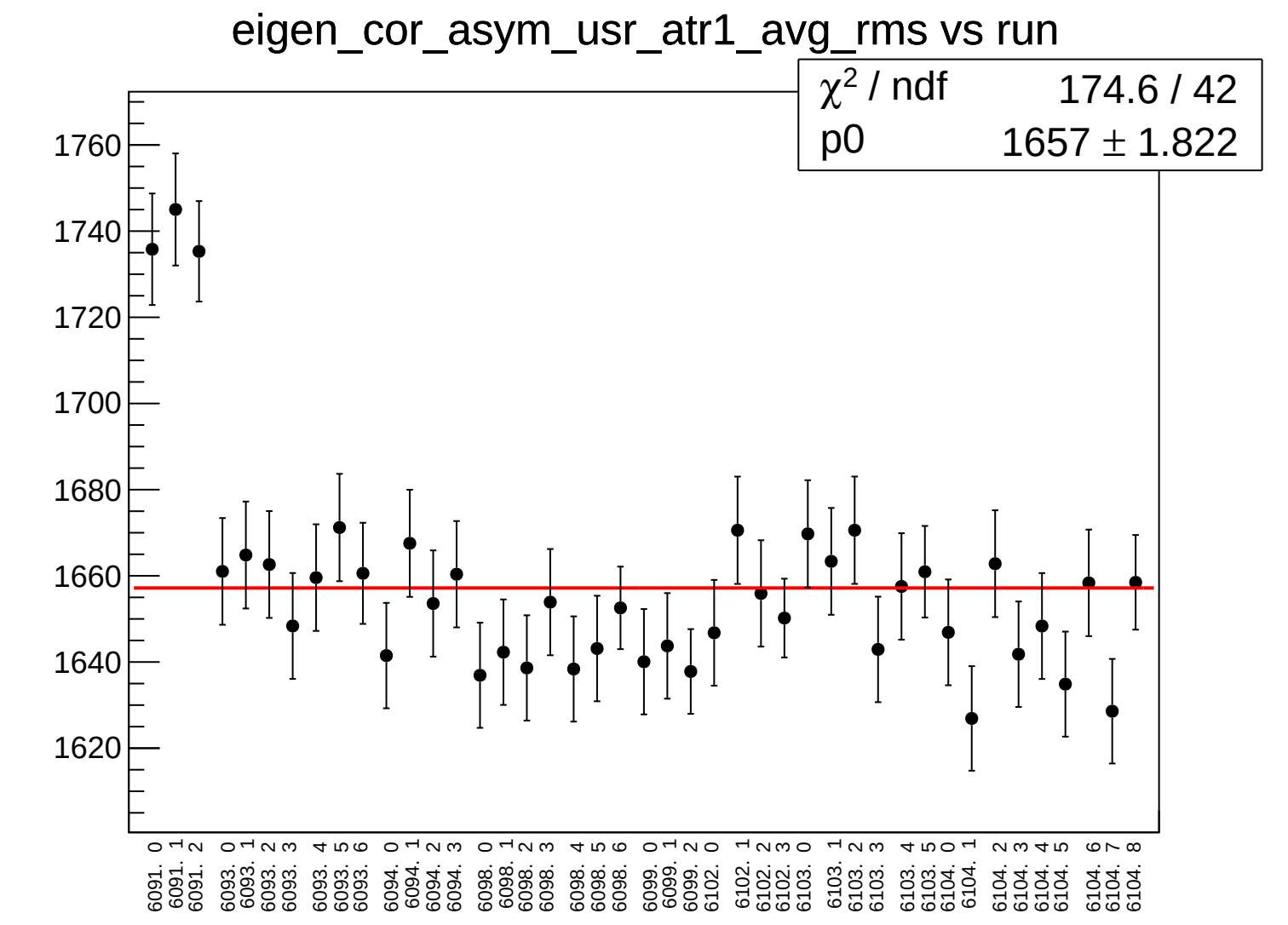
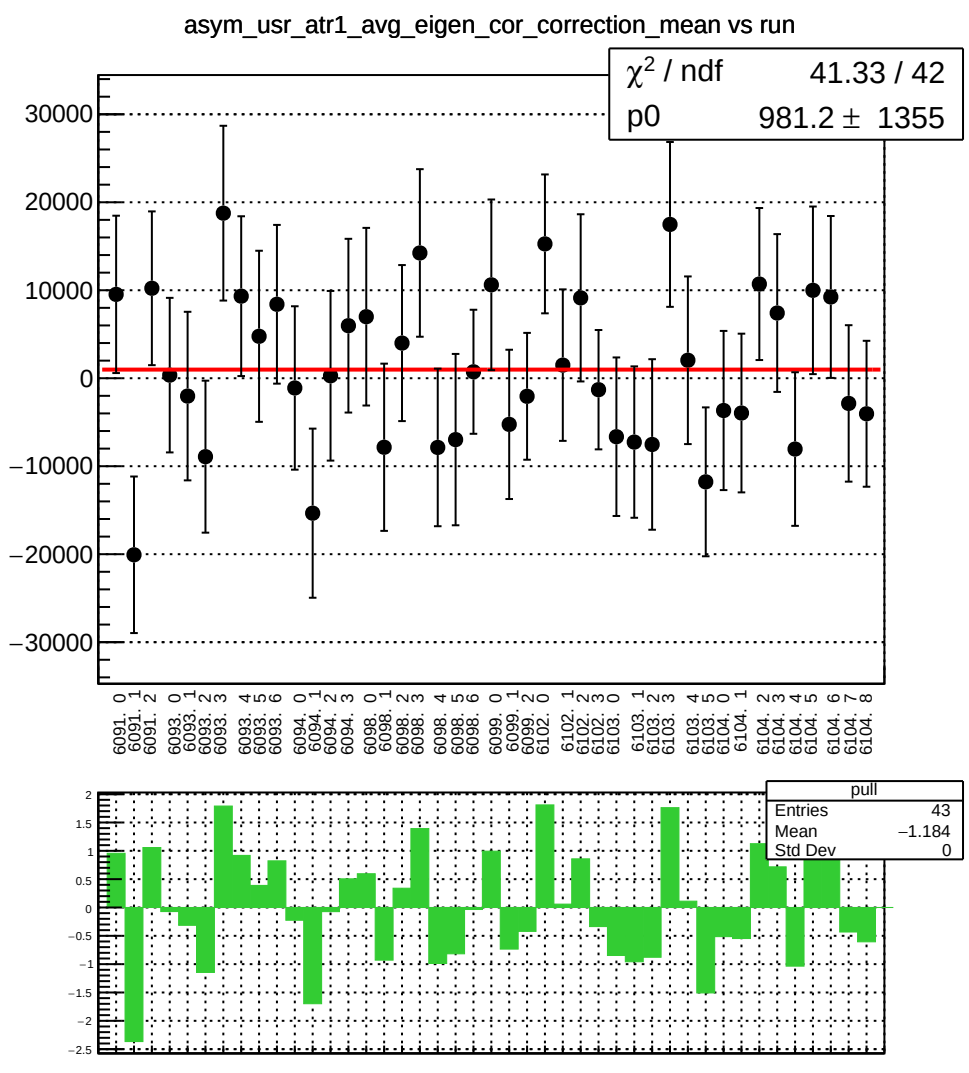
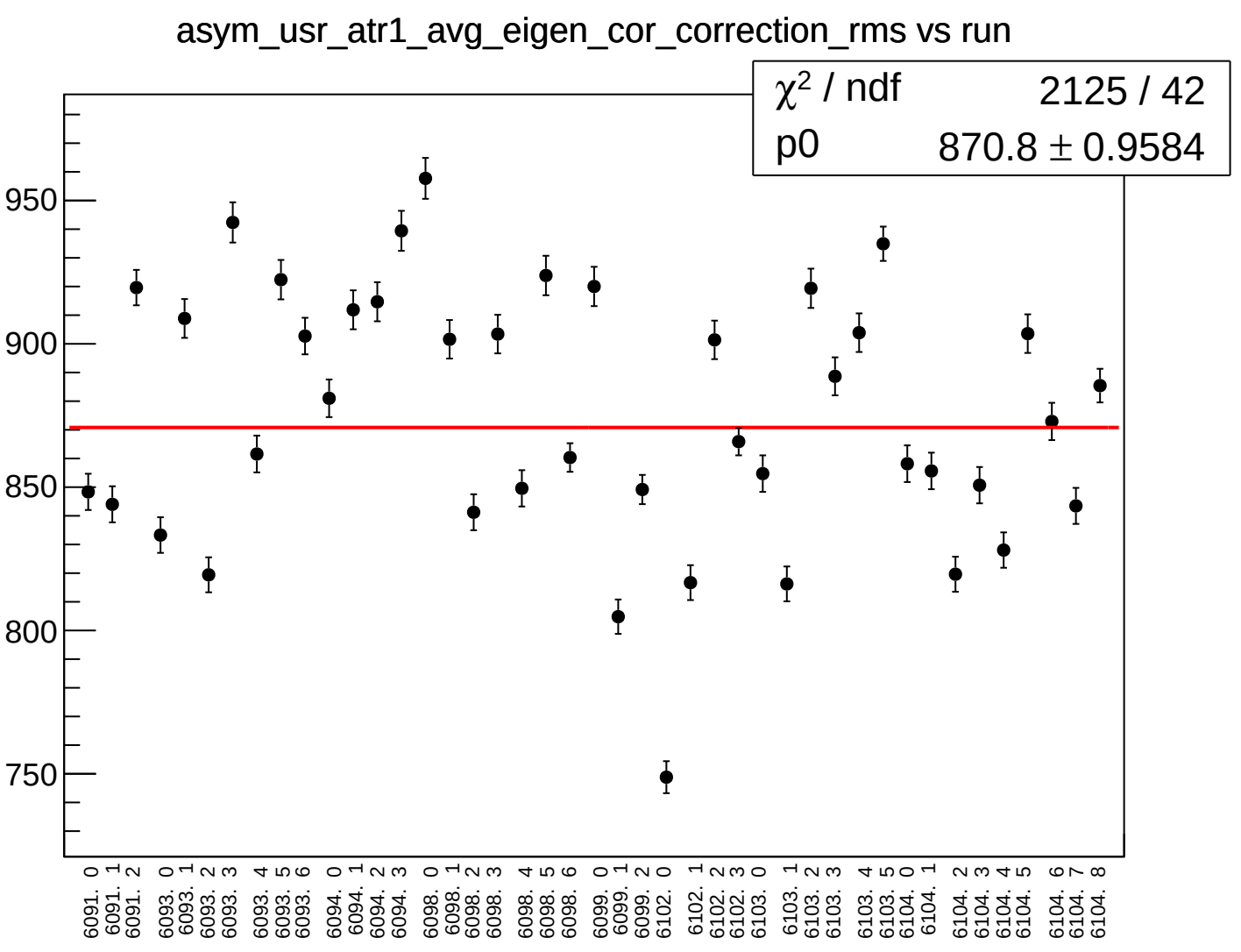

eigen_cor_asym_usr_atr1_avg_mean vs run
χ² / ndf 42.02 / 42
p0 1419 ± 2576
60000
40000
20000
0
−20000
−40000
−60000
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 436.5
Std Dev 0
2
1
0
−1
−2
pull1D
Entries 43
Mean 0.00257
Std Dev 0.9885
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


eigen_cor_asym_usr_atr1_avg_rms vs run
χ² / ndf 174.6 / 42
p0 1657 ± 1.822
1760
1740
1720
1700
1680
1660
1640
1620
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8


asym_usr_atr1_avg_eigen_cor_correction_mean vs run
χ² / ndf 41.33 / 42
p0 981.2 ± 1355
30000
20000
10000
0
−10000
−20000
−30000
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean −1.184
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5
pull1D
Entries 43
Mean 0.01328
Std Dev 0.9803
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 2125 / 42
p0 870.8 ± 0.9584
950
900
850
800
750
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
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6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
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6104. 3
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6104. 7
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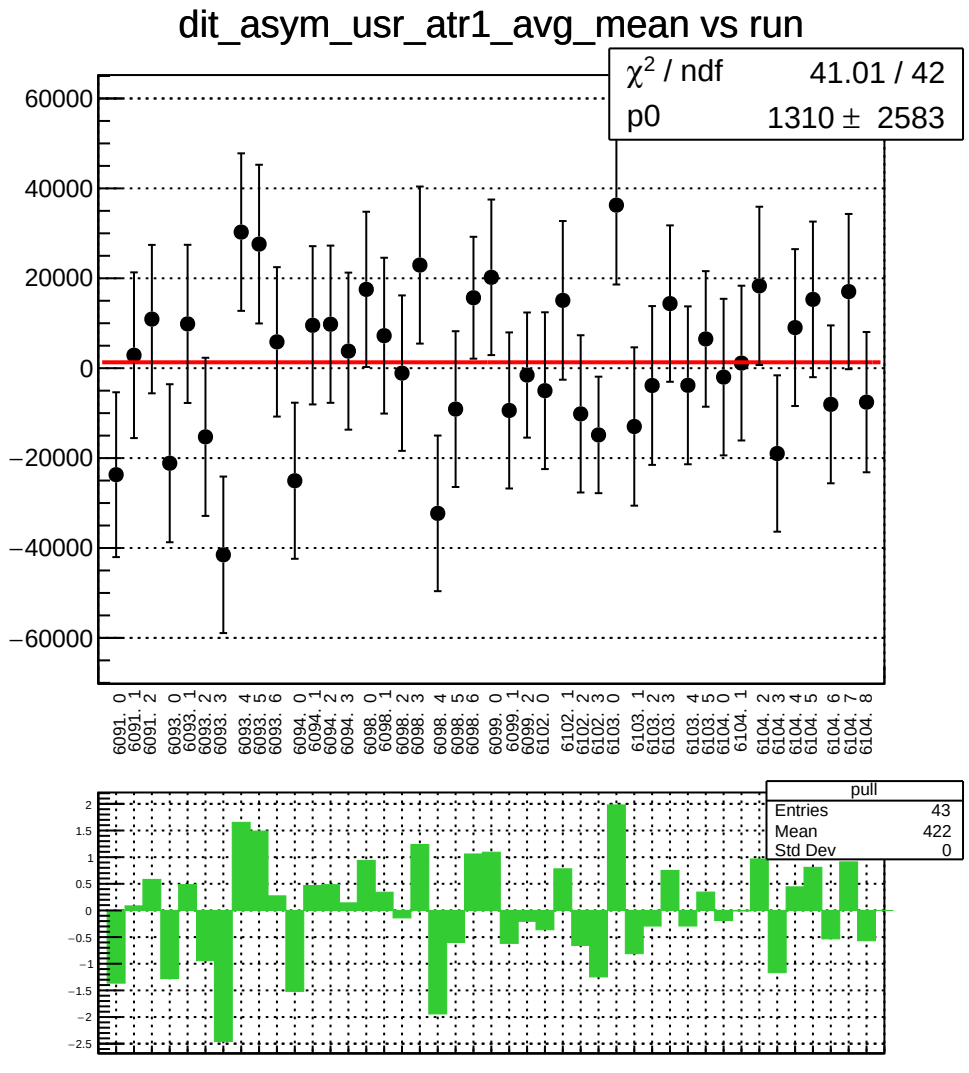
dit_asym_usr_atr1_avg_mean vs run
χ² / ndf 41.01 / 42
p0 1310 ± 2583
60000
40000
20000
0
−20000
−40000
−60000
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
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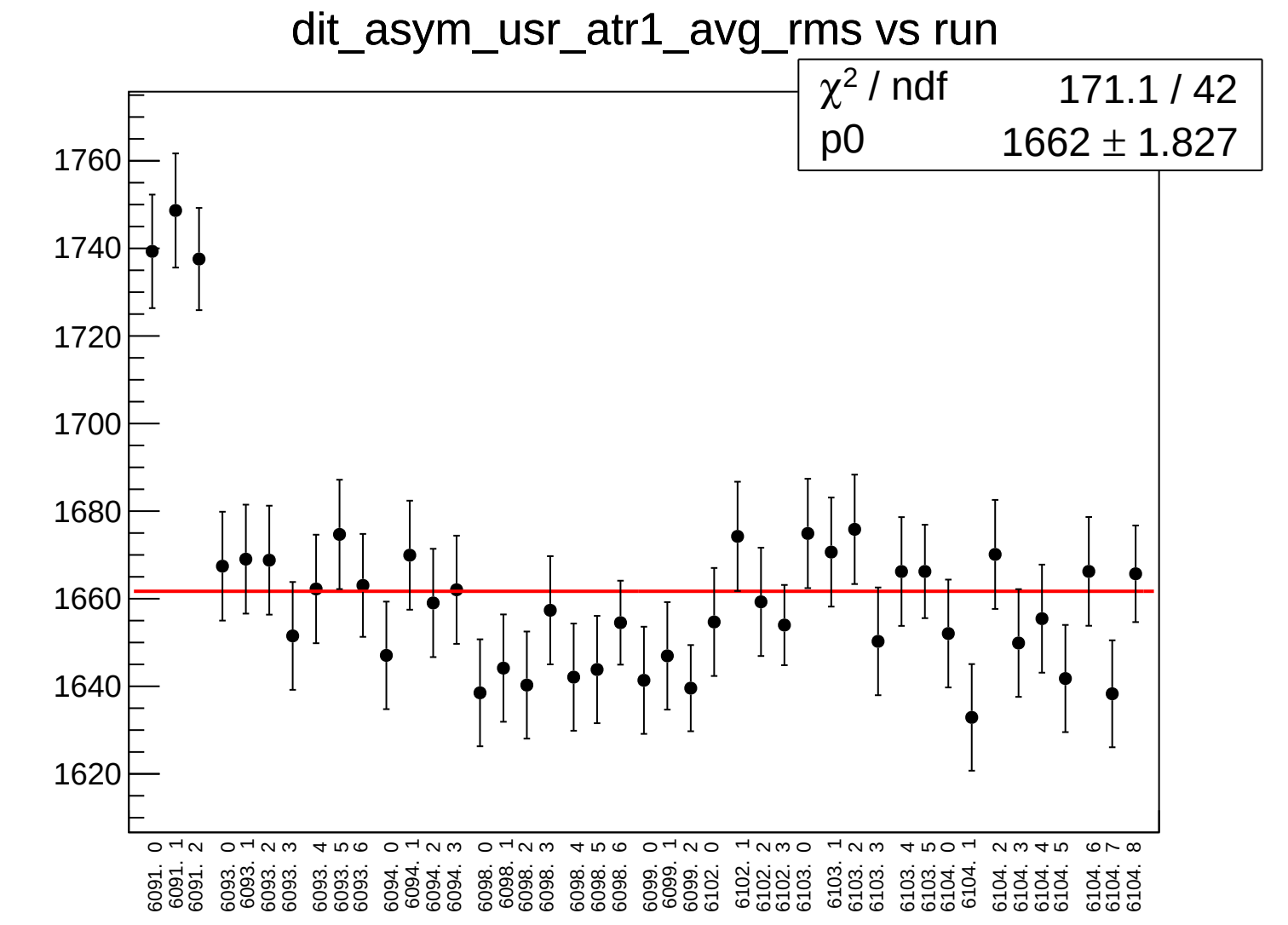
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 422
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5
pull1D
Entries 43
Mean 0.00298
Std Dev 0.9766
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


dit_asym_usr_atr1_avg_rms vs run
χ² / ndf 171.1 / 42
p0 1662 ± 1.827
1760
1740
1720
1700
1680
1660
1640
1620
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
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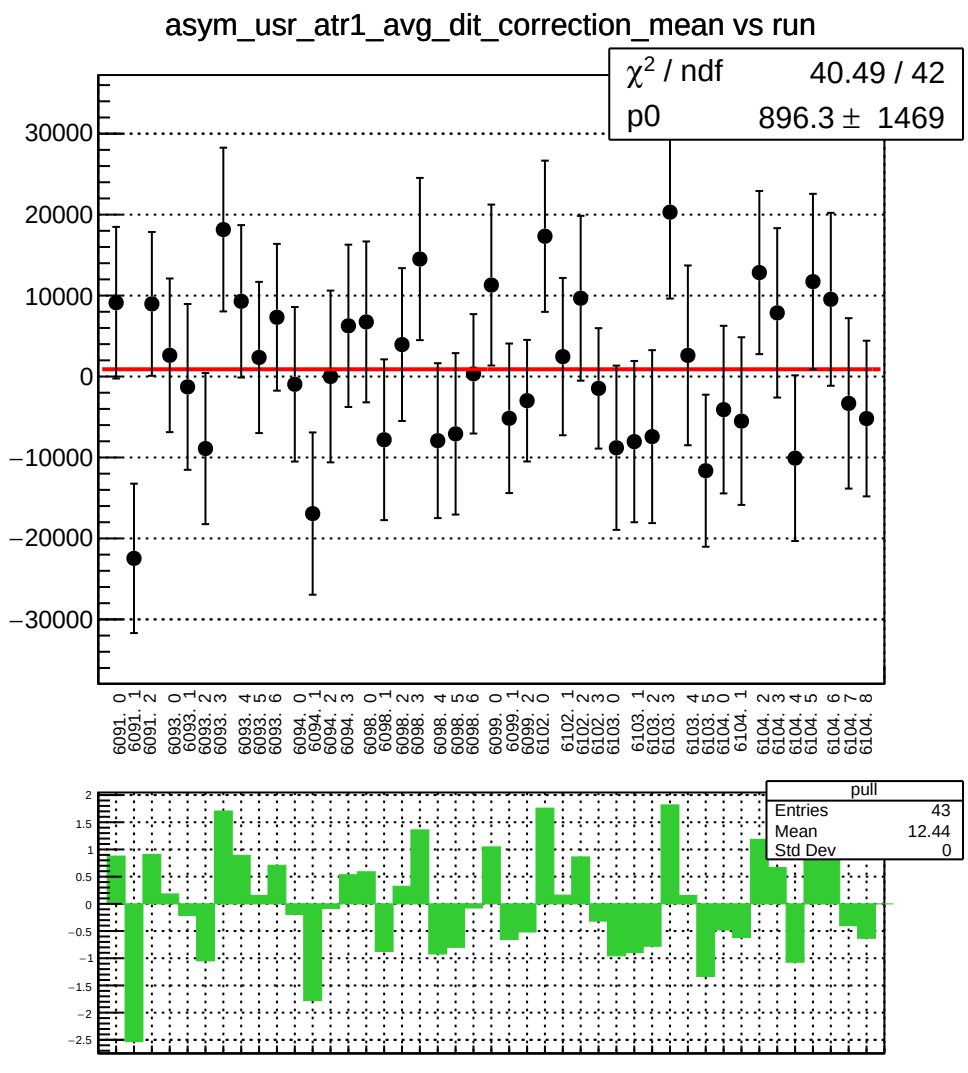
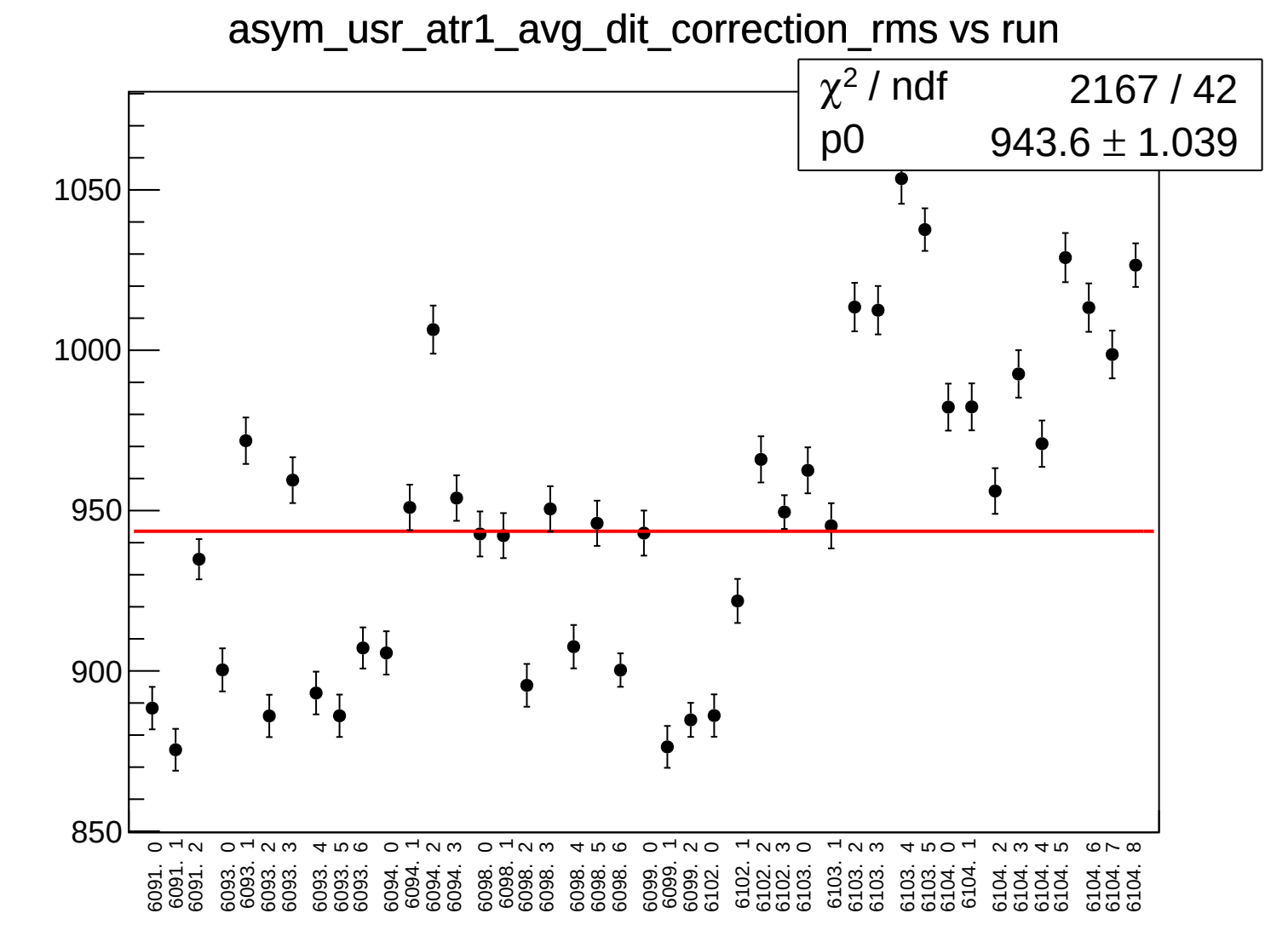
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8


asym_usr_atr1_avg_dit_correction_mean vs run
χ² / ndf 40.49 / 42
p0 896.3 ± 1469
30000
20000
10000
0
−10000
−20000
−30000
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 12.44
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5
pull1D
Entries 43
Mean 0.01203
Std Dev 0.9703
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 2167 / 42
p0 943.6 ± 1.039
1050
1000
950
900
850
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
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6104. 2
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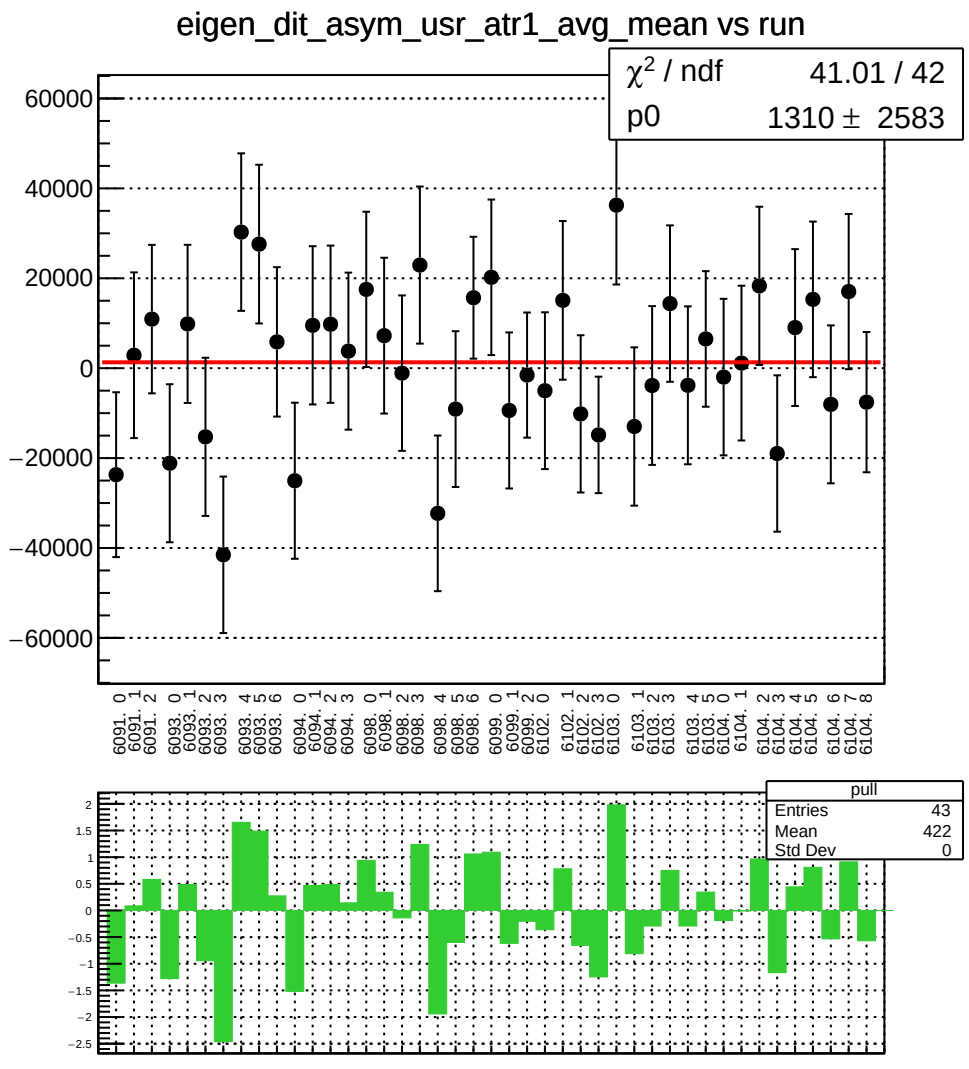
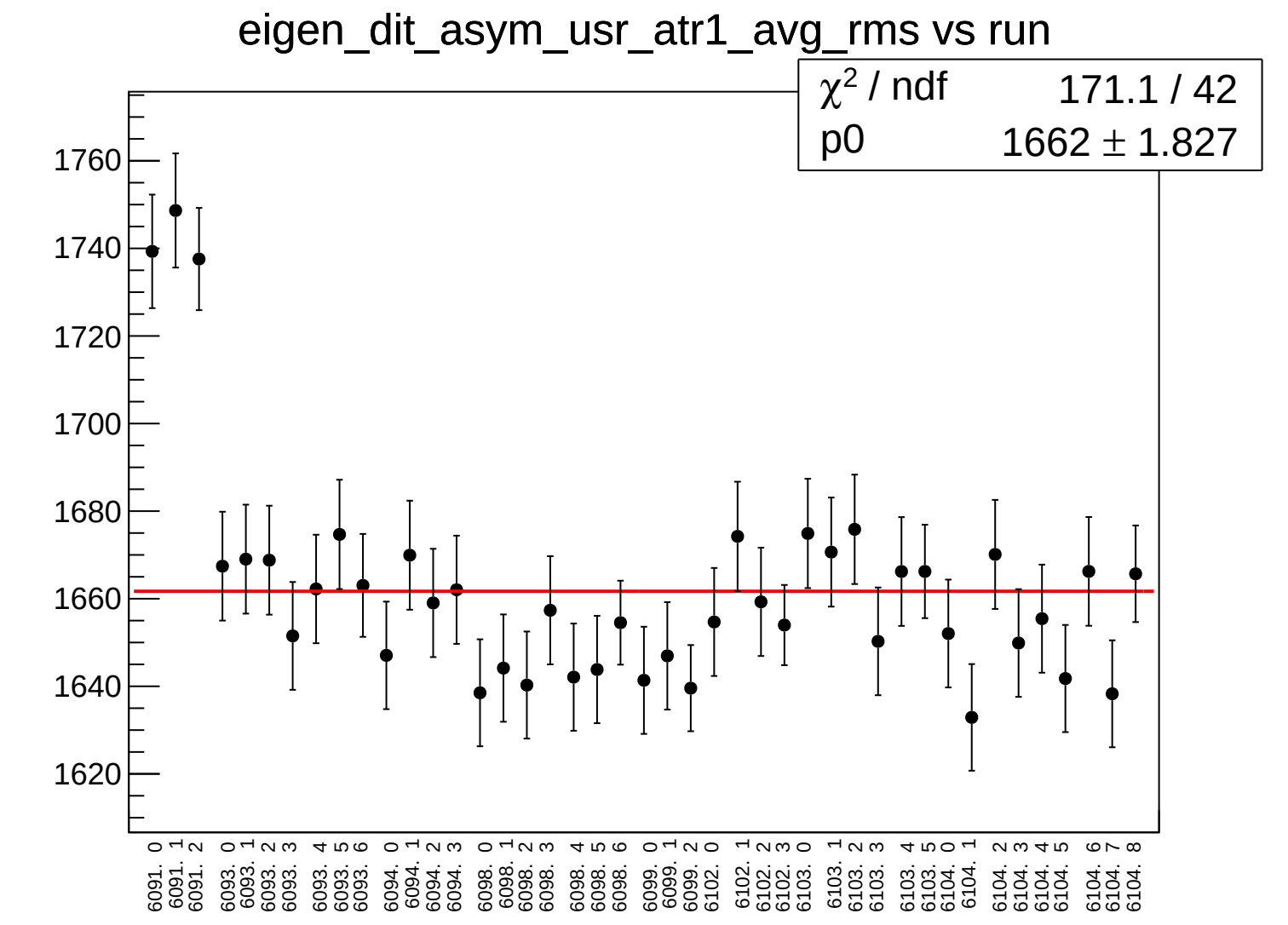
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8


eigen_dit_asym_usr_atr1_avg_mean vs run
χ² / ndf 41.01 / 42
p0 1310 ± 2583
60000
40000
20000
0
−20000
−40000
−60000
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 422
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5
pull1D
Entries 43
Mean 0.00298
Std Dev 0.9766
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


eigen_dit_asym_usr_atr1_avg_rms vs run
χ² / ndf 171.1 / 42
p0 1662 ± 1.827
1760
1740
1720
1700
1680
1660
1640
1620
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
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6094. 0
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6094. 2
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6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
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6104. 0
6104. 1
6104. 2
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6104. 5
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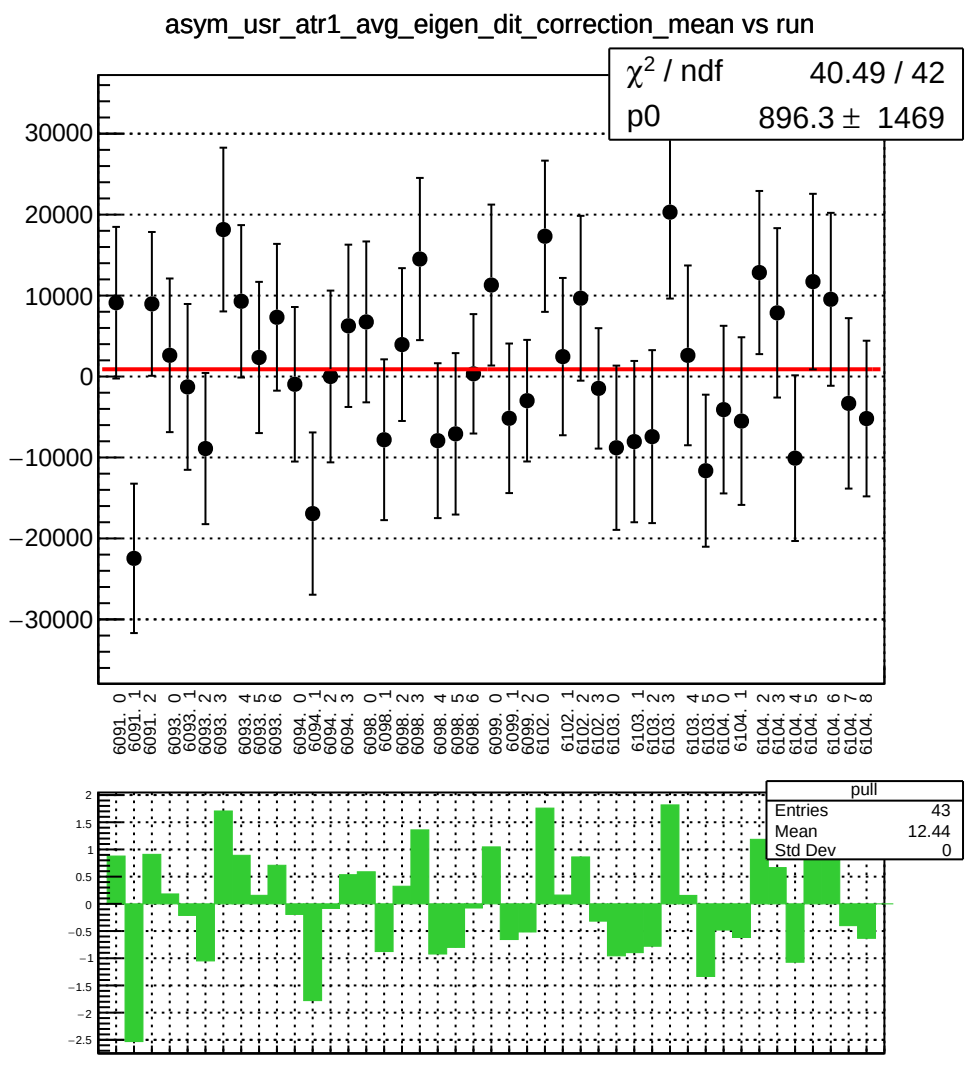
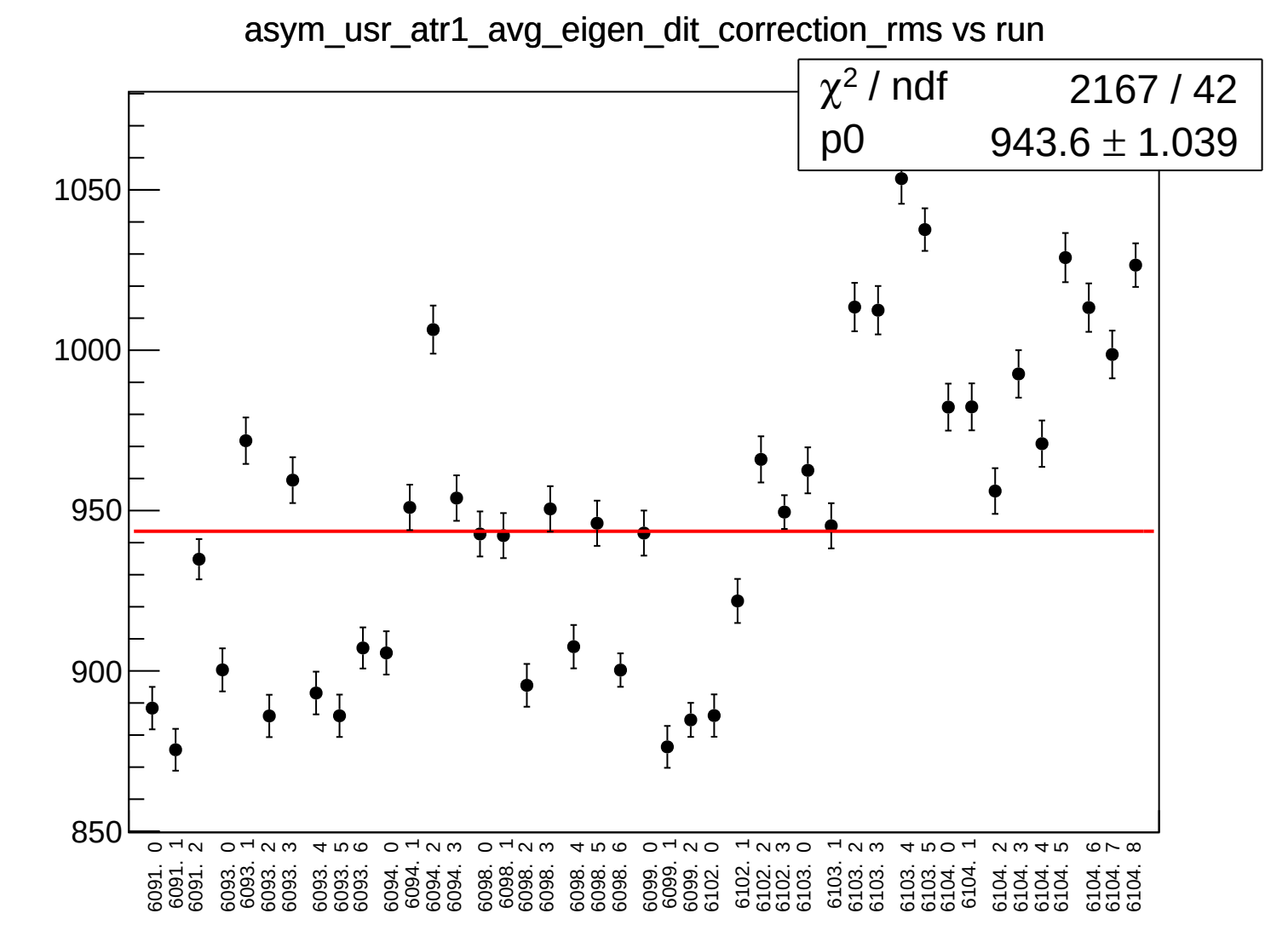
6104. 7
6104. 8


asym_usr_atr1_avg_eigen_dit_correction_mean vs run
χ² / ndf 40.49 / 42
p0 896.3 ± 1469
30000
20000
10000
0
−10000
−20000
−30000
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 12.44
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5
pull1D
Entries 43
Mean 0.01203
Std Dev 0.9703
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 2167 / 42
p0 943.6 ± 1.039
1050
1000
950
900
850
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
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6104. 1
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6104. 6
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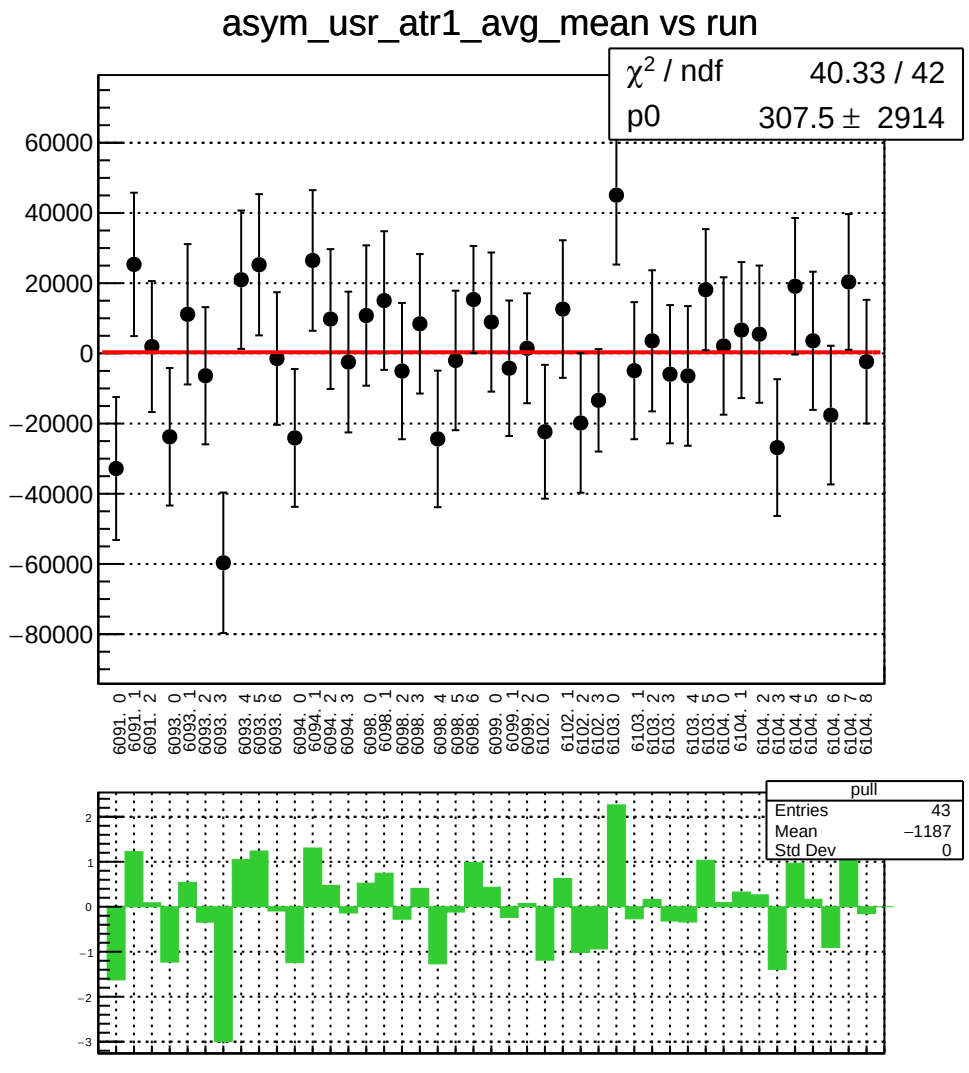
6104. 8


asym_usr_atr1_avg_mean vs run
χ² / ndf 40.33 / 42
p0 307.5 ± 2914
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40000
20000
0
−20000
−40000
−60000
−80000
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
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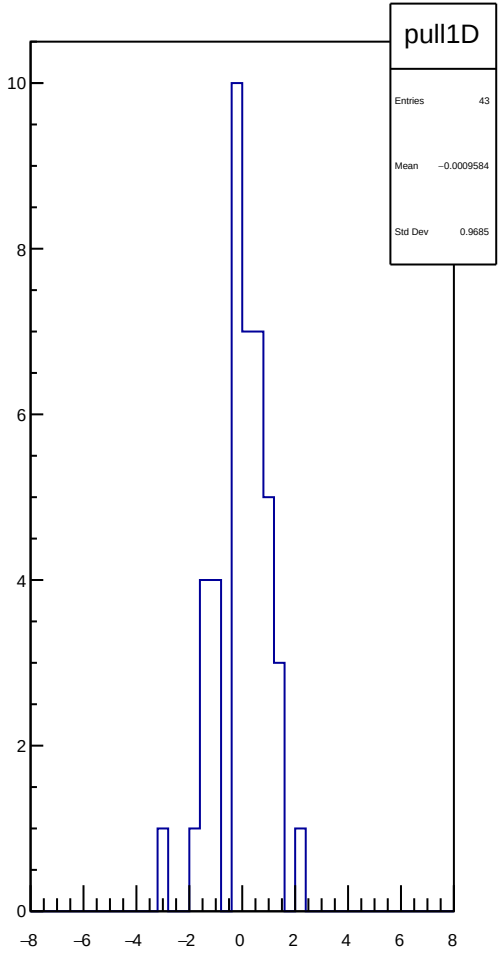
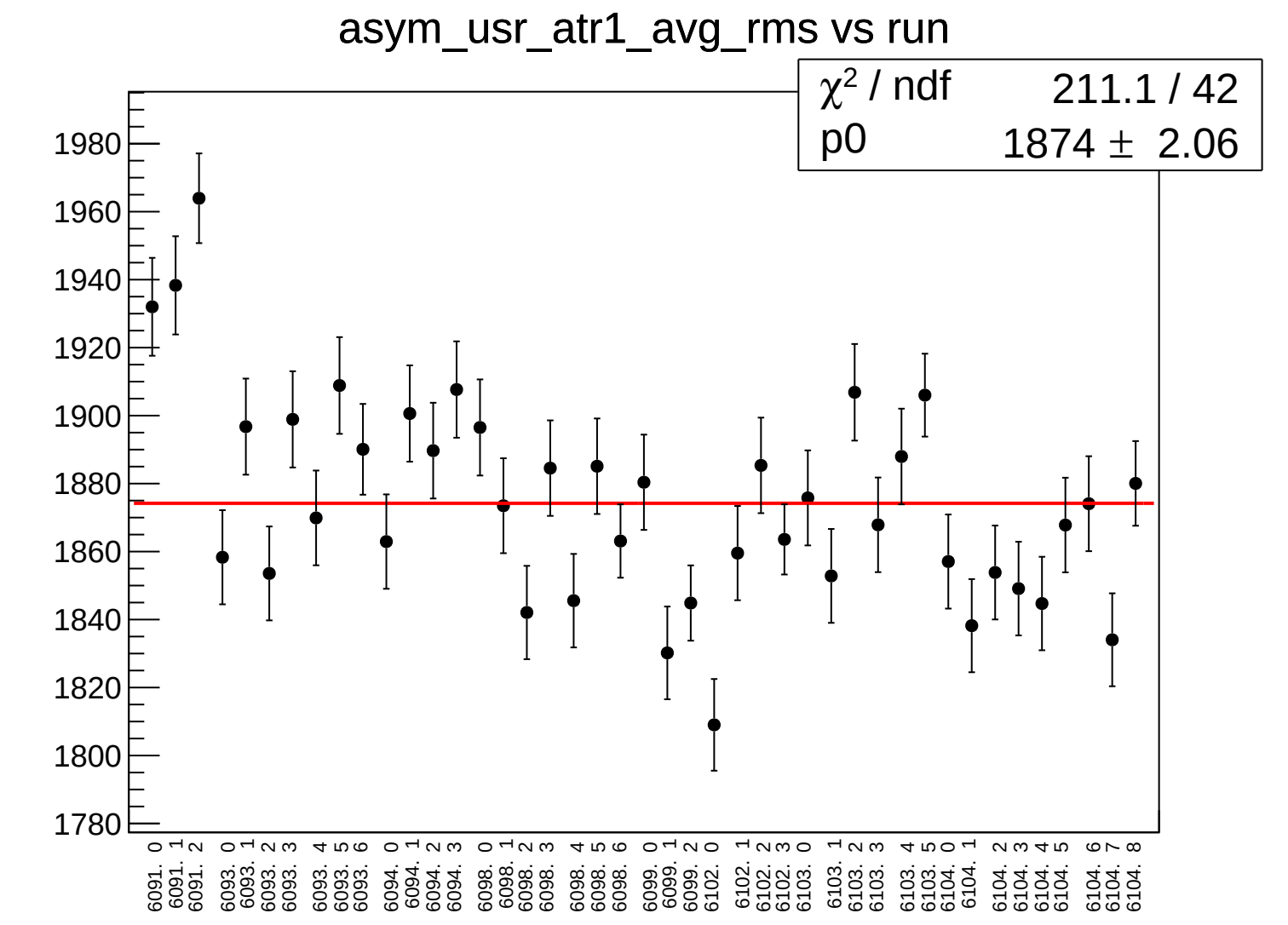
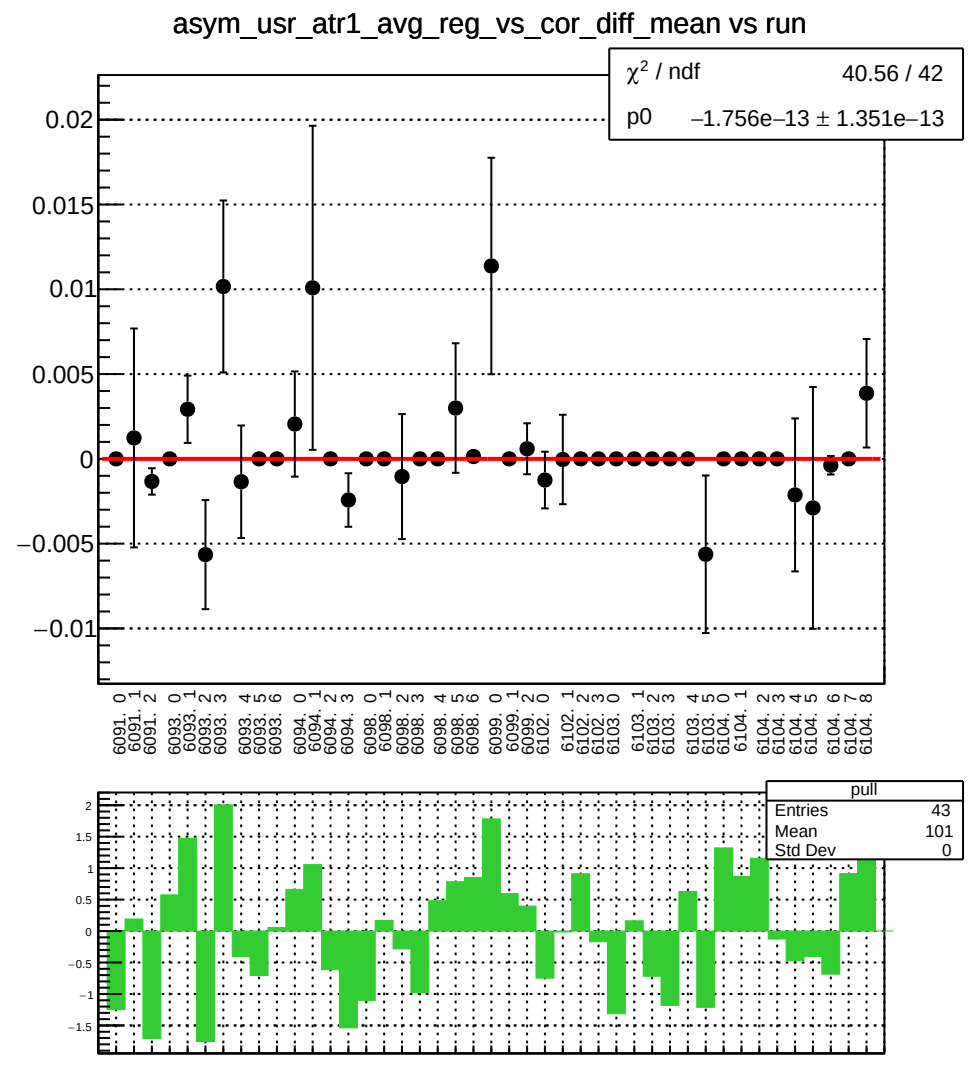
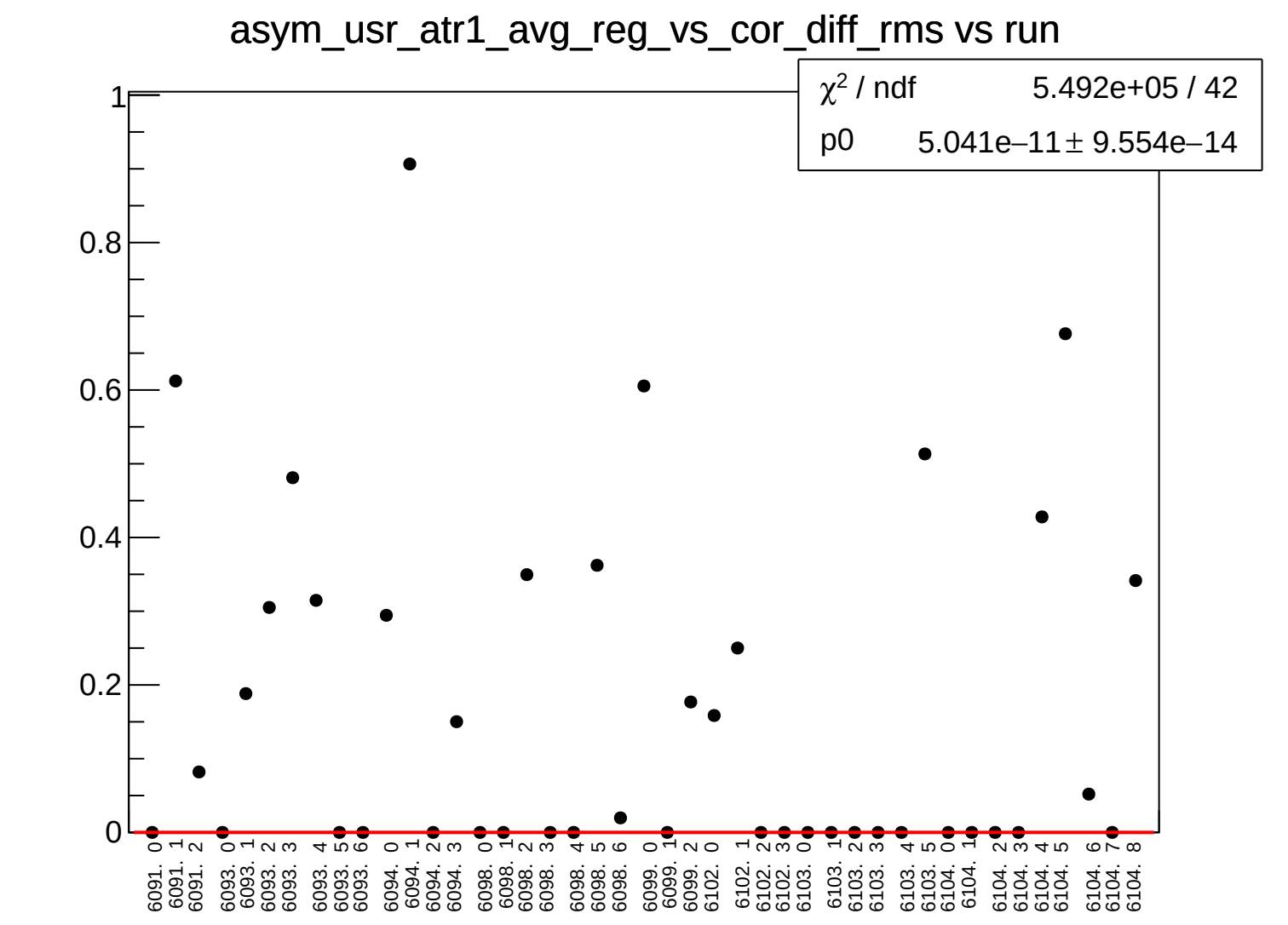
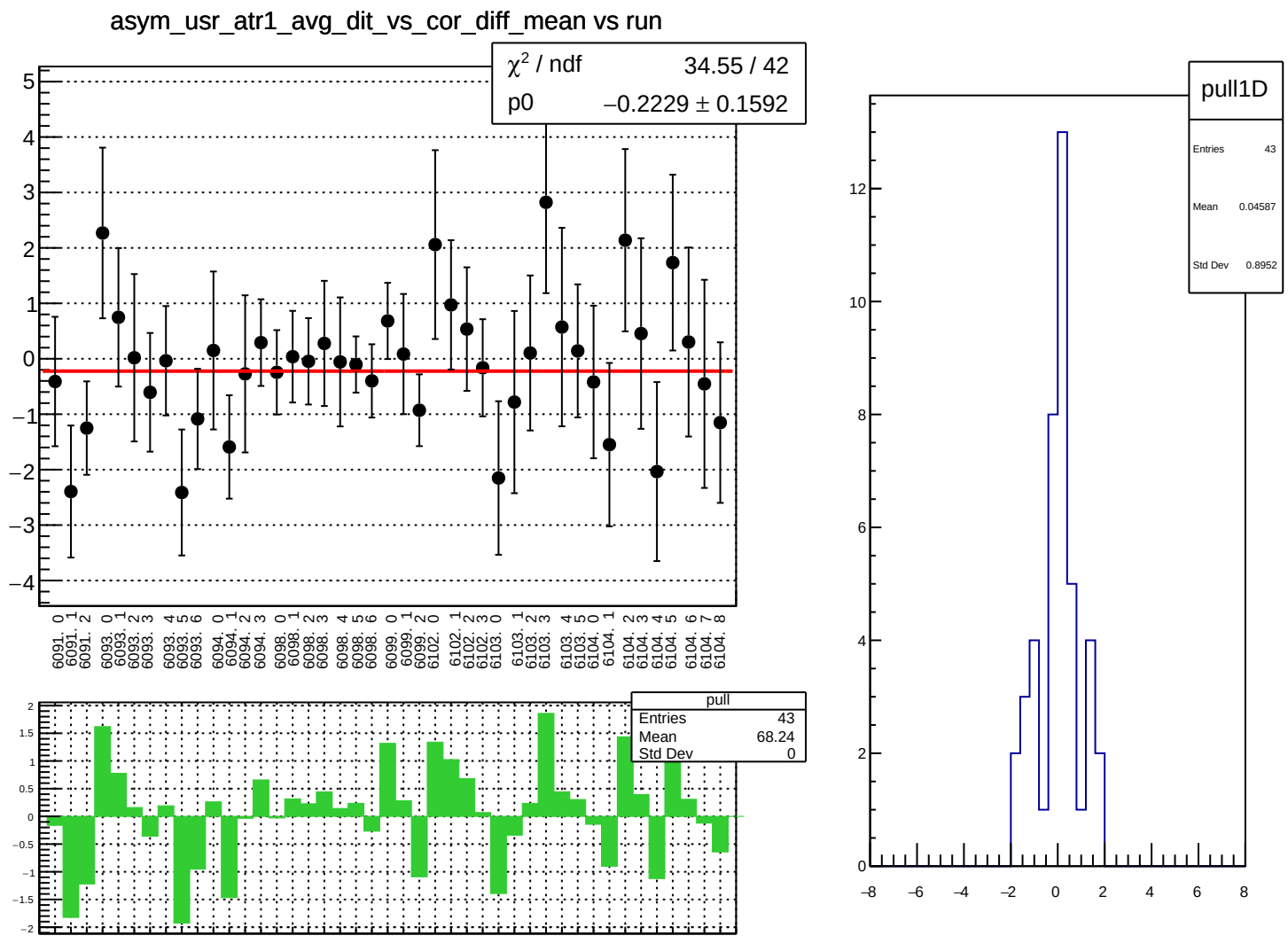
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean −1187
Std Dev 0
2
1
0
−1
−2
−3

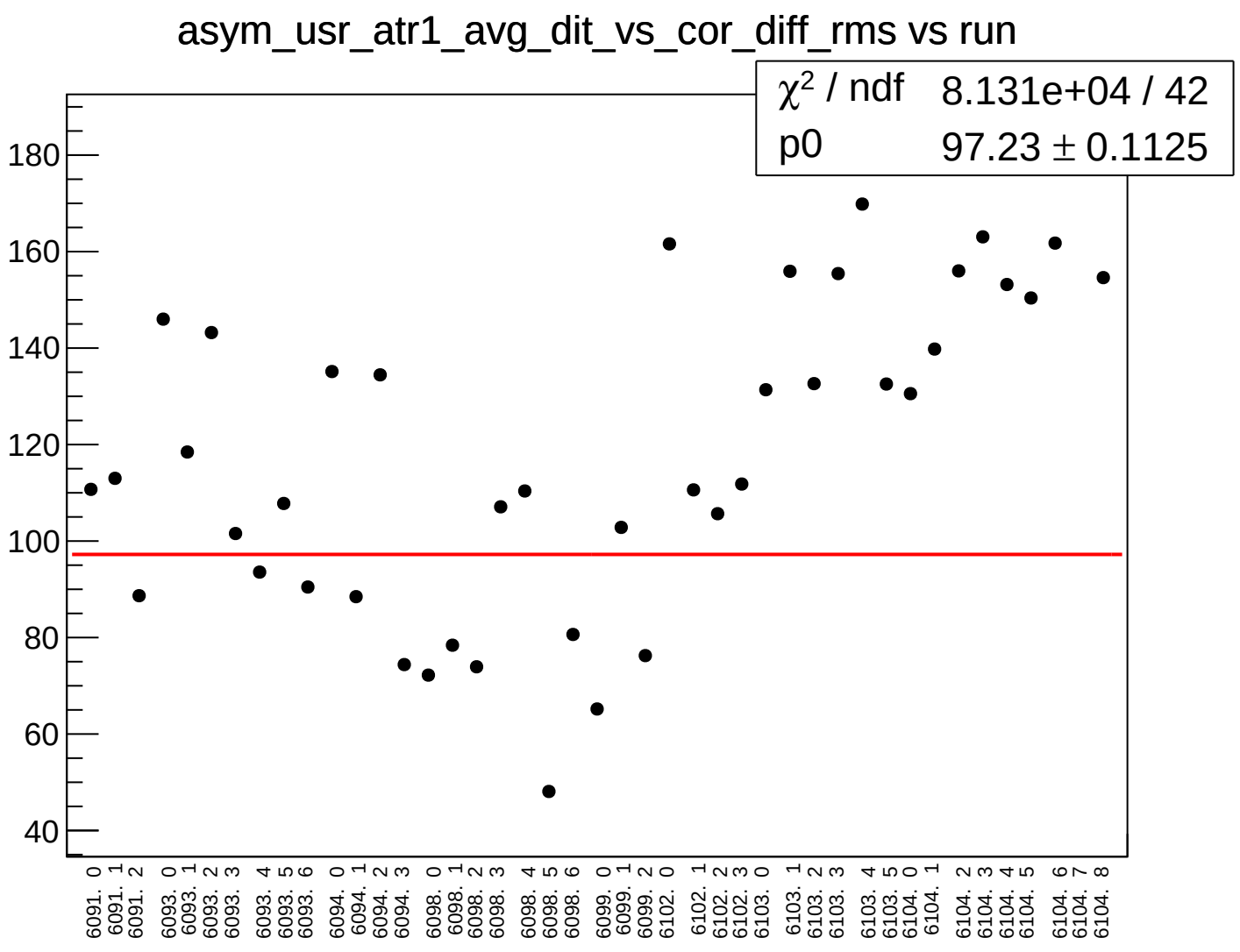

pull1D
Entries 43
Mean −0.0009584
Std Dev 0.9685
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

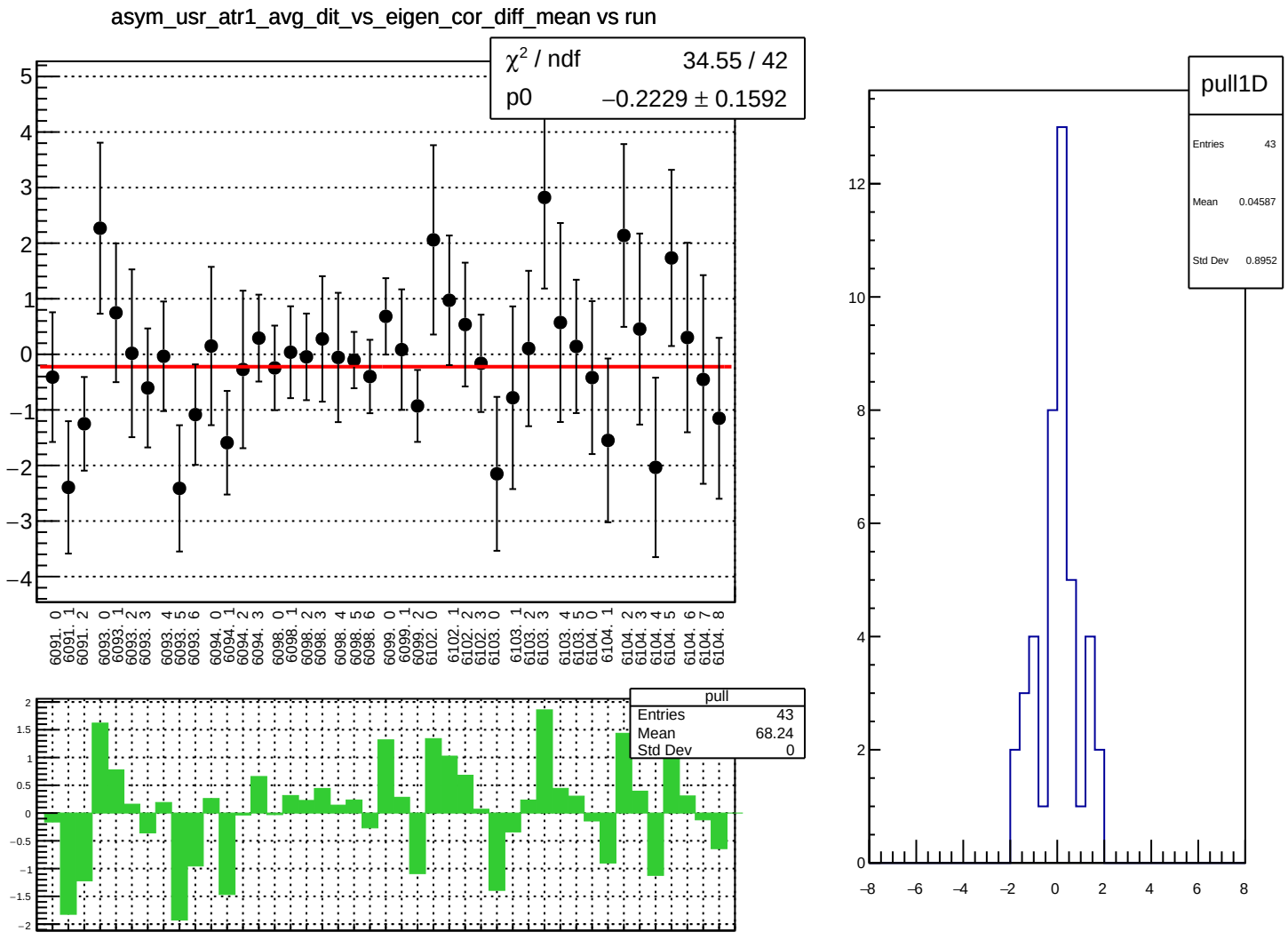

asym_usr_atr1_avg_rms vs run
χ² / ndf 211.1 / 42
p0 1874 ± 2.06
1980
1960
1940
1920
1900
1880
1860
1840
1820
1800
1780
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

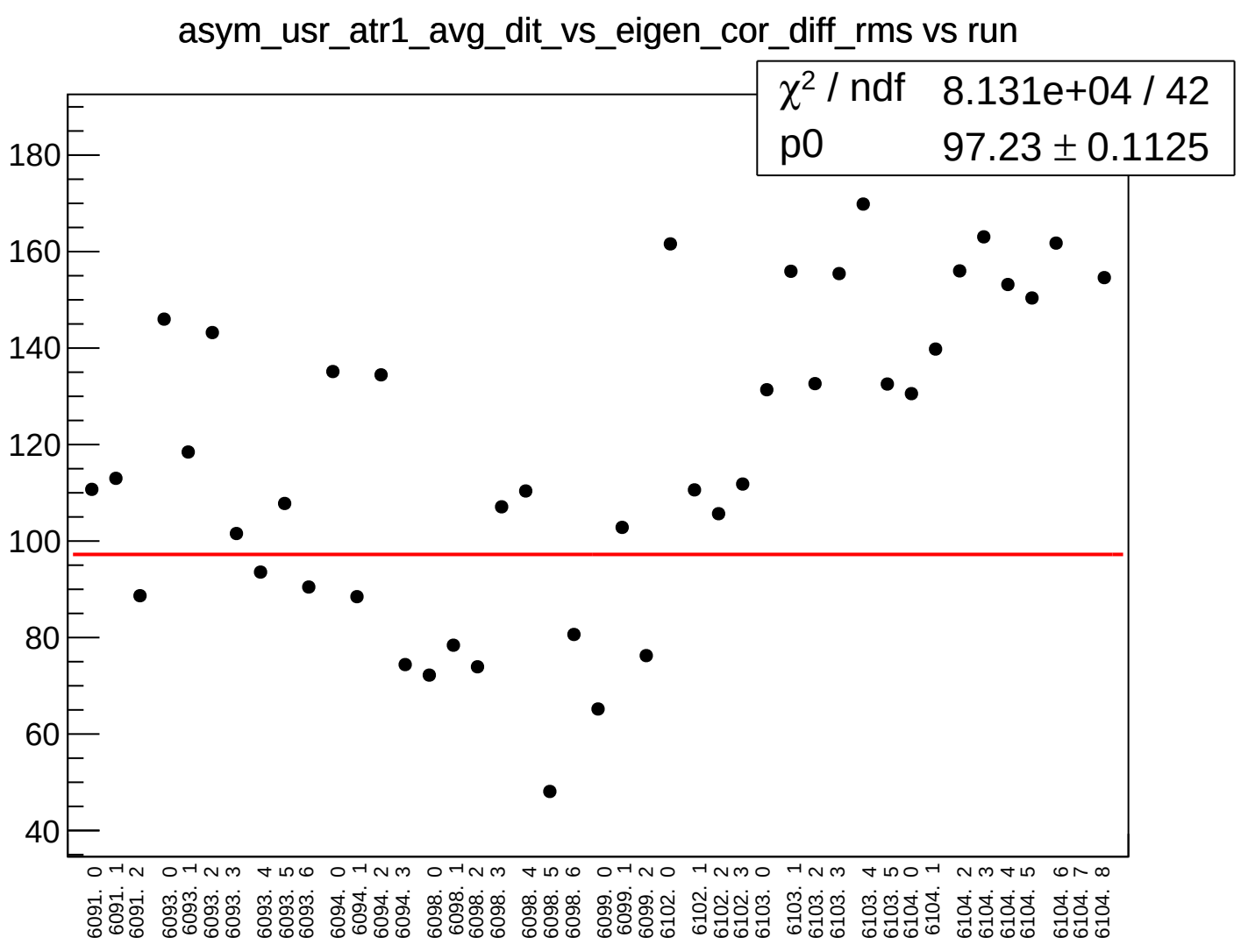

asym_usr_atr1_avg_reg_vs_cor_diff_mean vs run
χ² / ndf 40.56 / 42
p0 −1.756e−13 ± 1.351e−13
0.02
0.015
0.01
0.005
0
−0.005
−0.01
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 101
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 43
Mean 0.02008
Std Dev 0.971
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

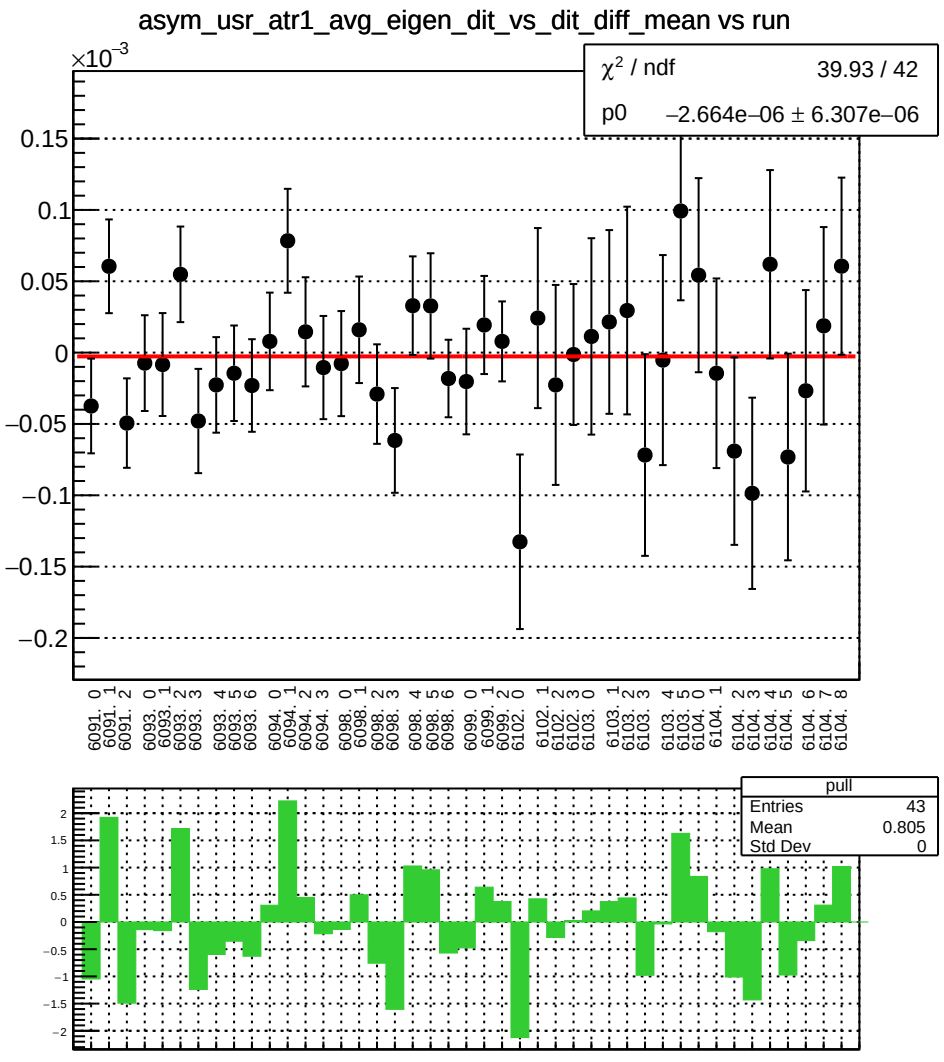

asym_usr_atr1_avg_reg_vs_cor_diff_rms vs run
χ² / ndf 5.492e+05 / 42
p0 5.041e−11 ± 9.554e−14
1
0.8
0.6
0.4
0.2
0
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

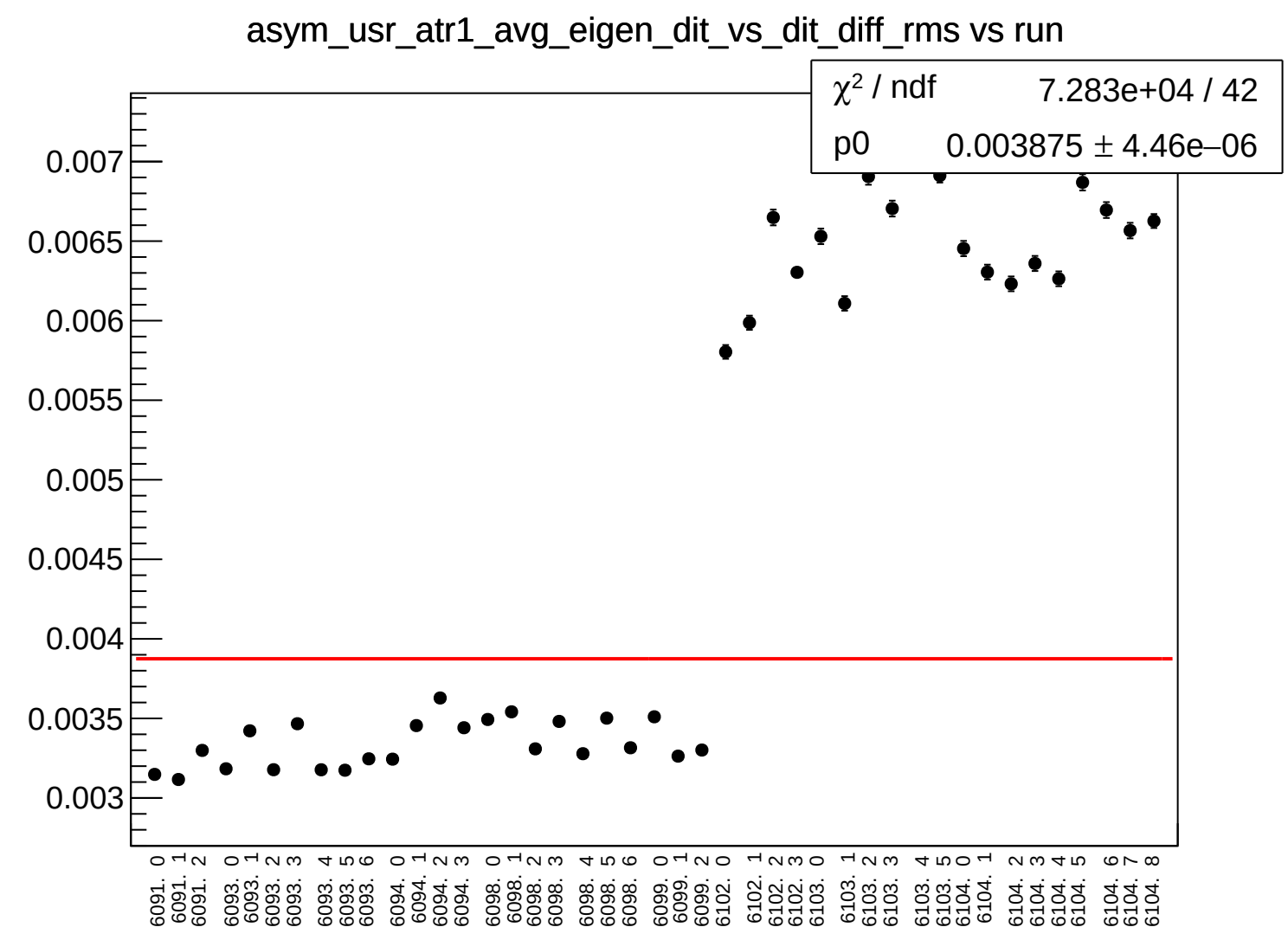

asym_usr_atr1_avg_dit_vs_cor_diff_mean vs run
χ² / ndf 34.55 / 42
p0 −0.2229 ± 0.1592
pull
Entries 43
Mean 68.24
Std Dev 0
pull1D
Entries 43
Mean 0.04587
Std Dev 0.8952

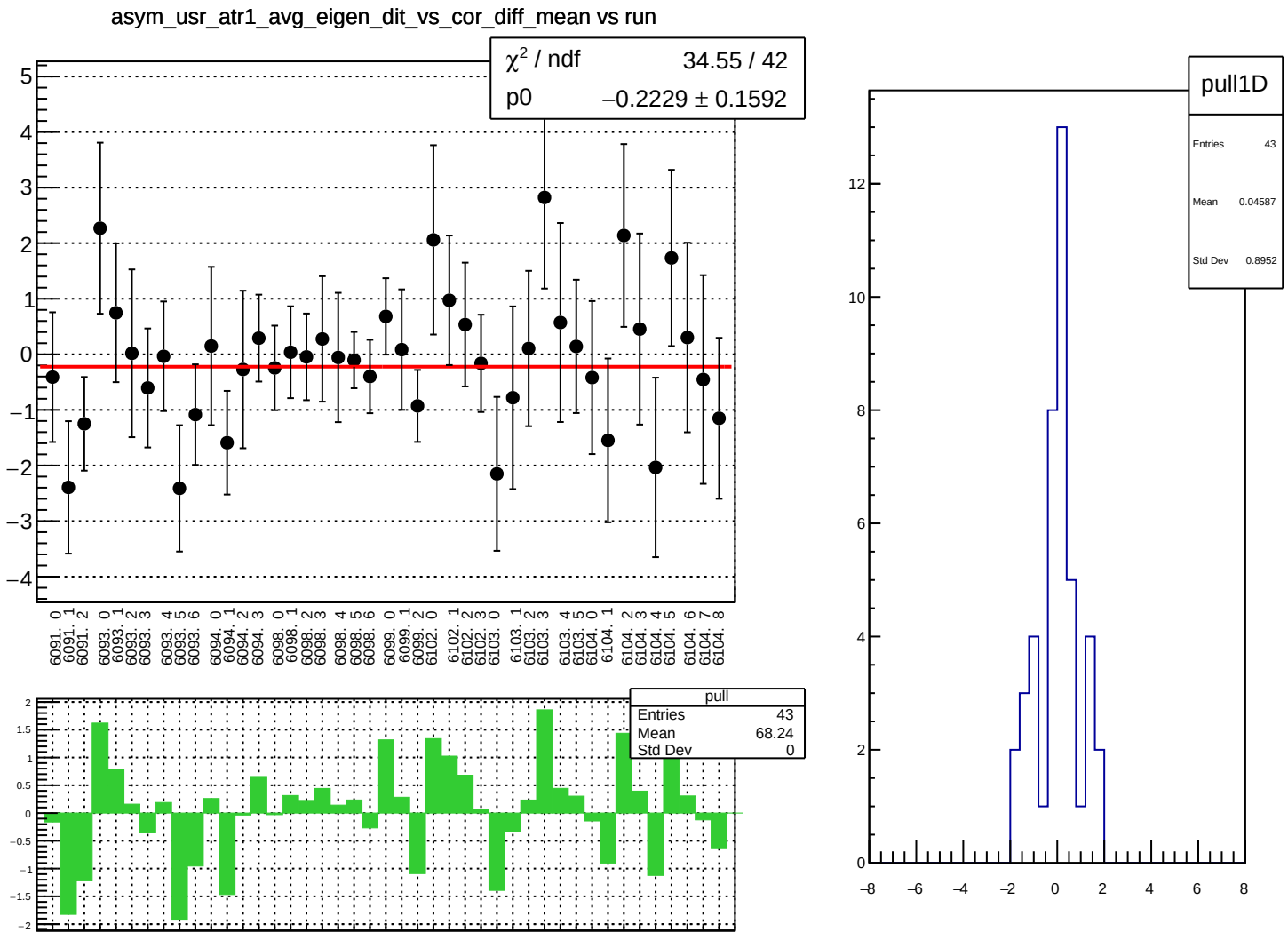

asym_usr_atr1_avg_dit_vs_cor_diff_rms vs run
χ² / ndf 8.131e+04 / 42
p0 97.23 ± 0.1125
180
160
140
120
100
80
60
40
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

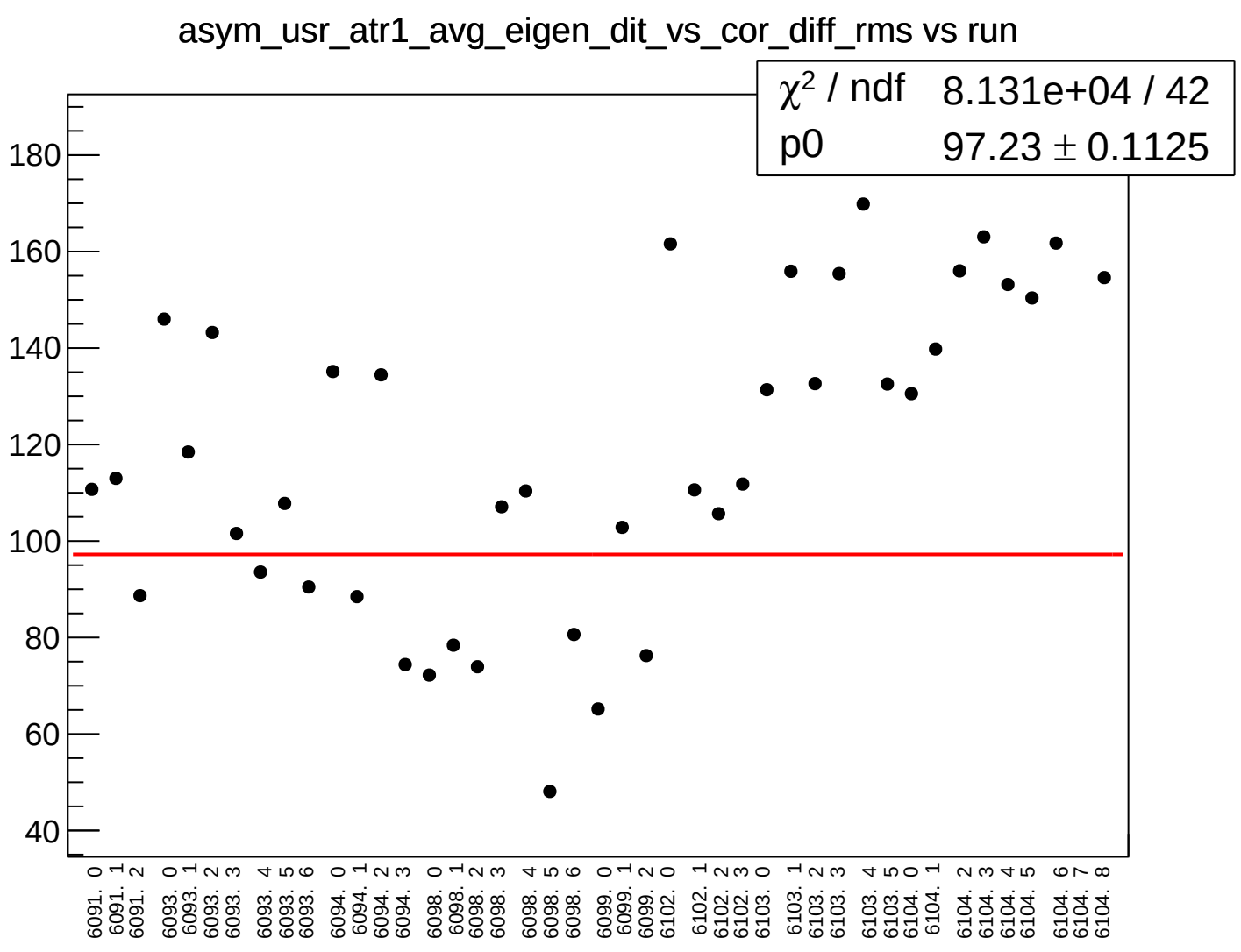

asym_usr_atr1_avg_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 34.55 / 42
p0 −0.2229 ± 0.1592
pull
Entries 43
Mean 68.24
Std Dev 0
pull1D
Entries 43
Mean 0.04587
Std Dev 0.8952

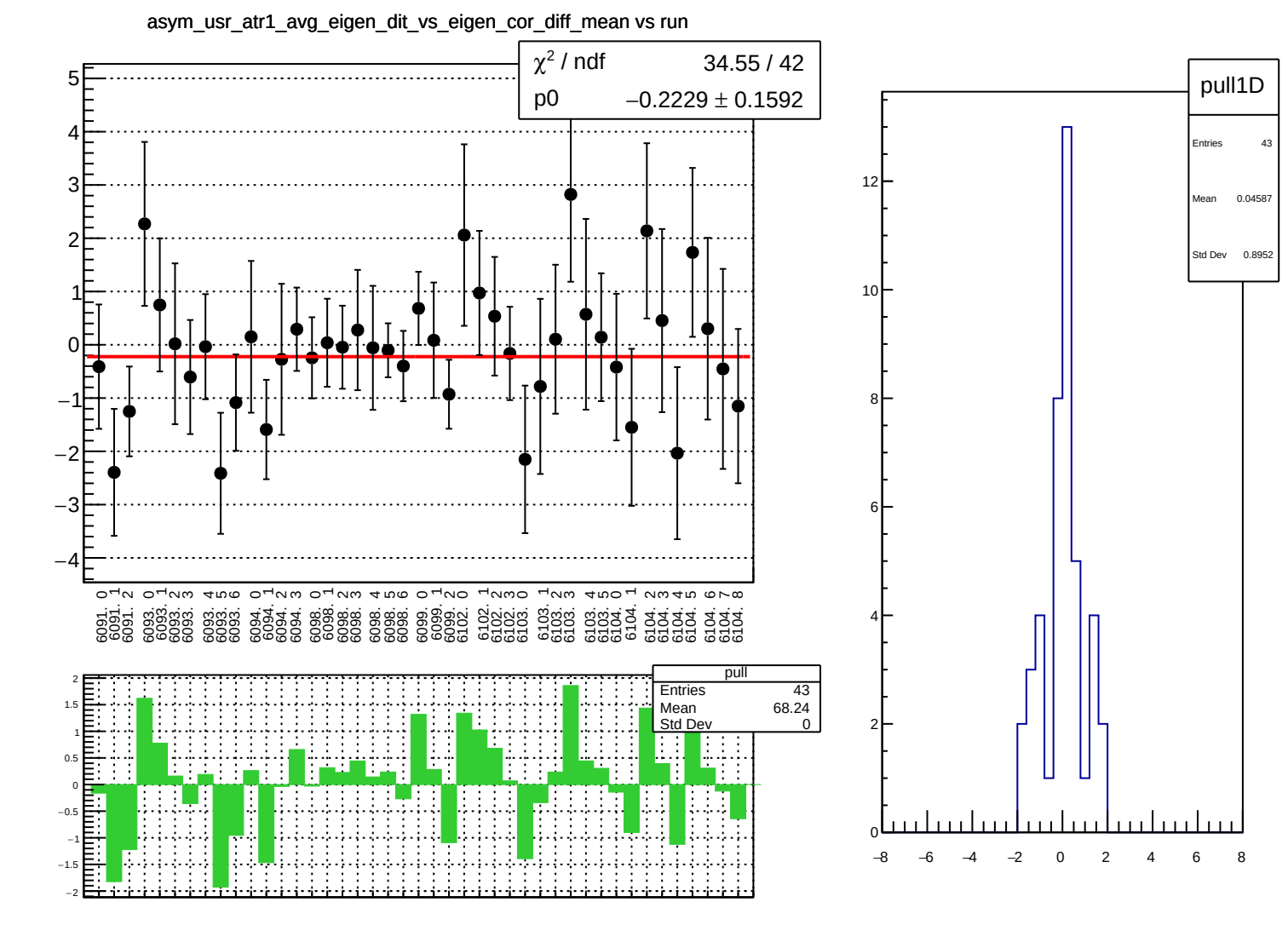

asym_usr_atr1_avg_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 8.131e+04 / 42
p0 97.23 ± 0.1125
180
160
140
120
100
80
60
40
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

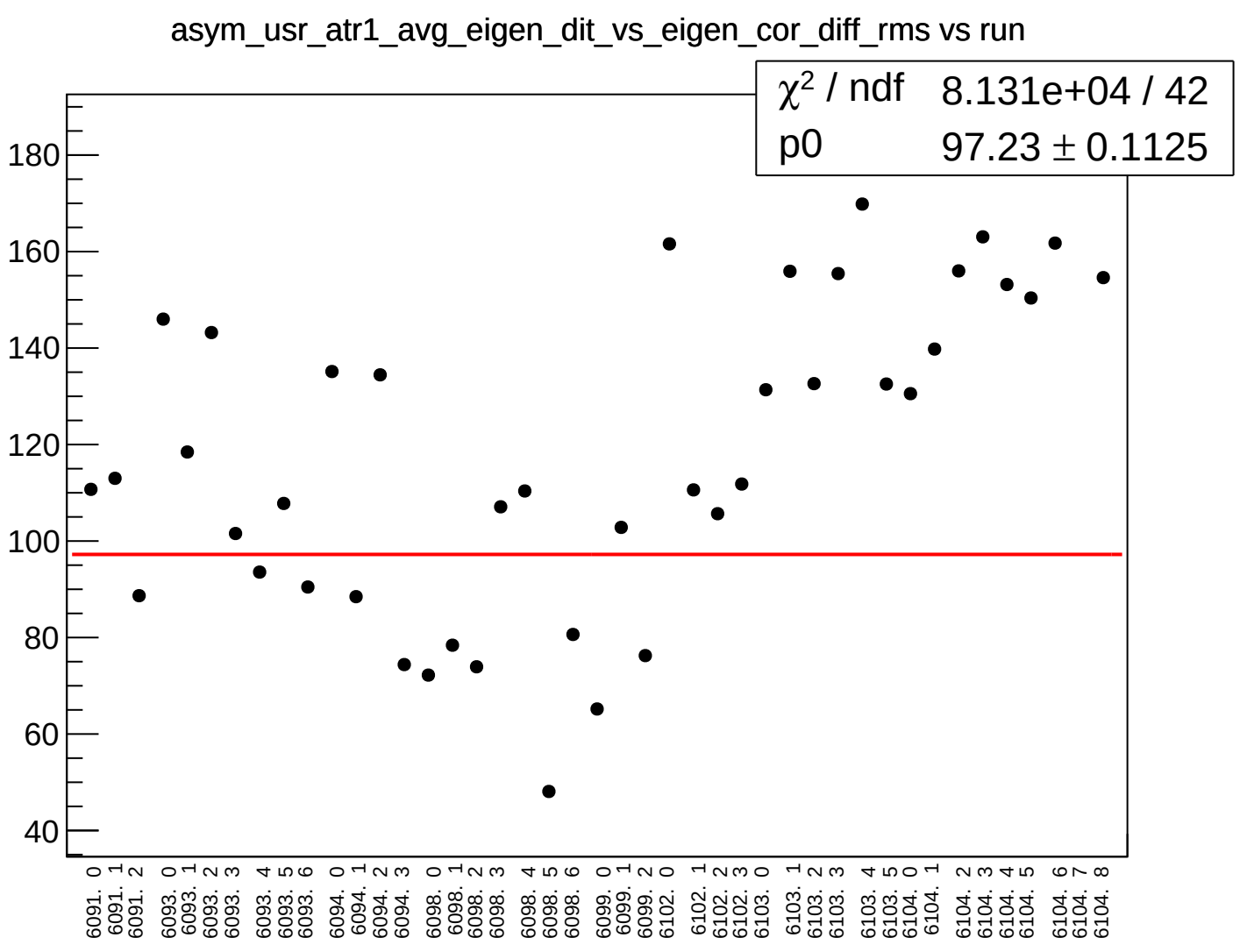

asym_usr_atr1_avg_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 39.93 / 42
p0 −2.664e−06 ± 6.307e−06
0.15
0.1
0.05
0
−0.05
−0.1
−0.15
−0.2
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 0.805
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 43
Mean −0.009214
Std Dev 0.9636
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

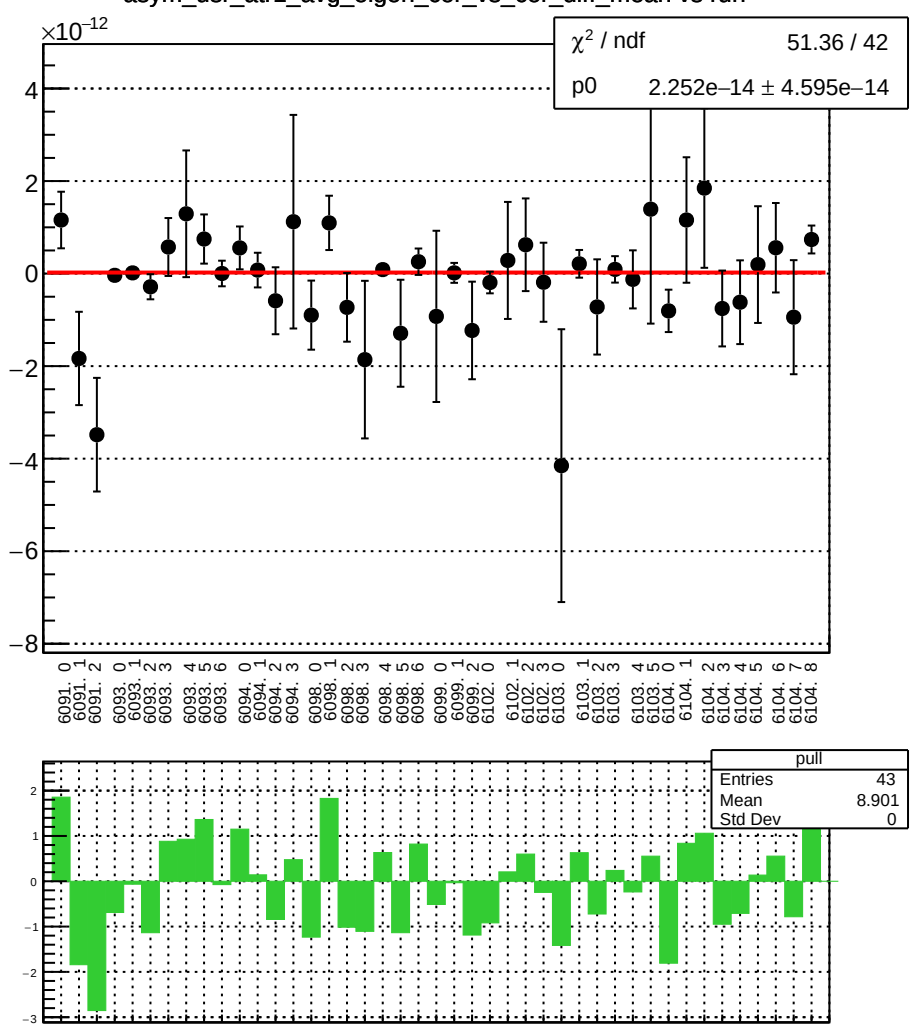

asym_usr_atr1_avg_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 7.283e+04 / 42
p0 0.003875 ± 4.46e−06
0.007
0.0065
0.006
0.0055
0.005
0.0045
0.004
0.0035
0.003
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

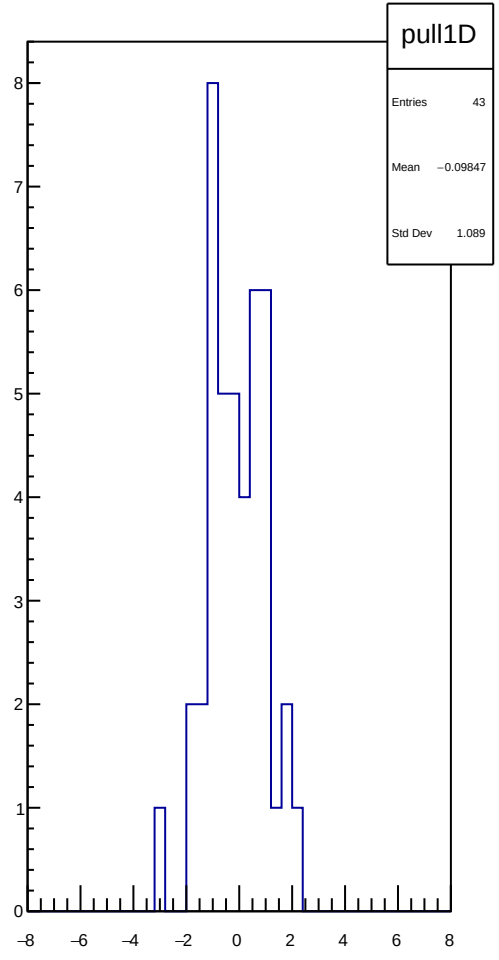

asym_usr_atr1_avg_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 34.55 / 42
p0 −0.2229 ± 0.1592
pull
Entries 43
Mean 68.24
Std Dev 0
pull1D
Entries 43
Mean 0.04587
Std Dev 0.8952

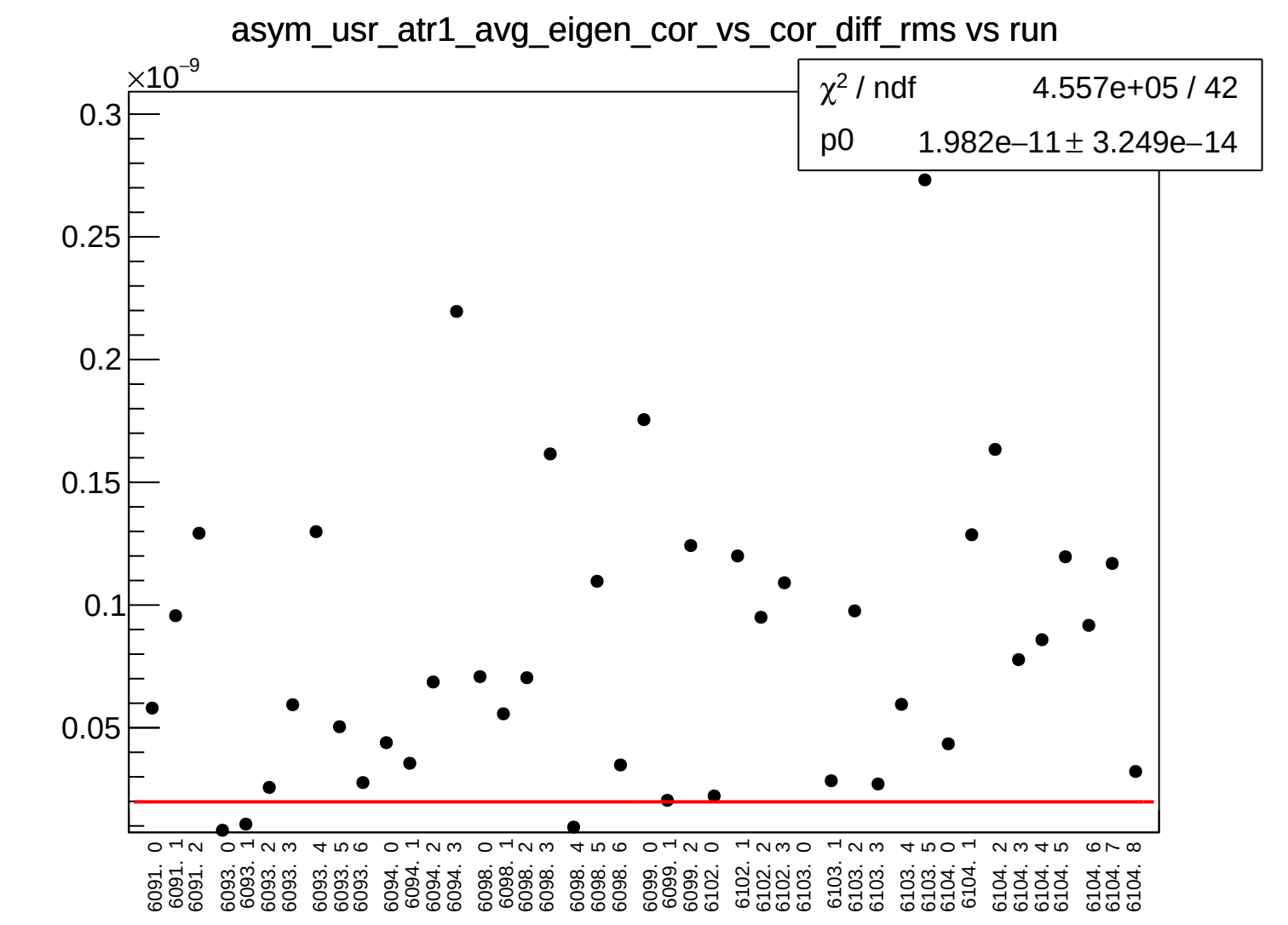

asym_usr_atr1_avg_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 8.131e+04 / 42
p0 97.23 ± 0.1125
180
160
140
120
100
80
60
40
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

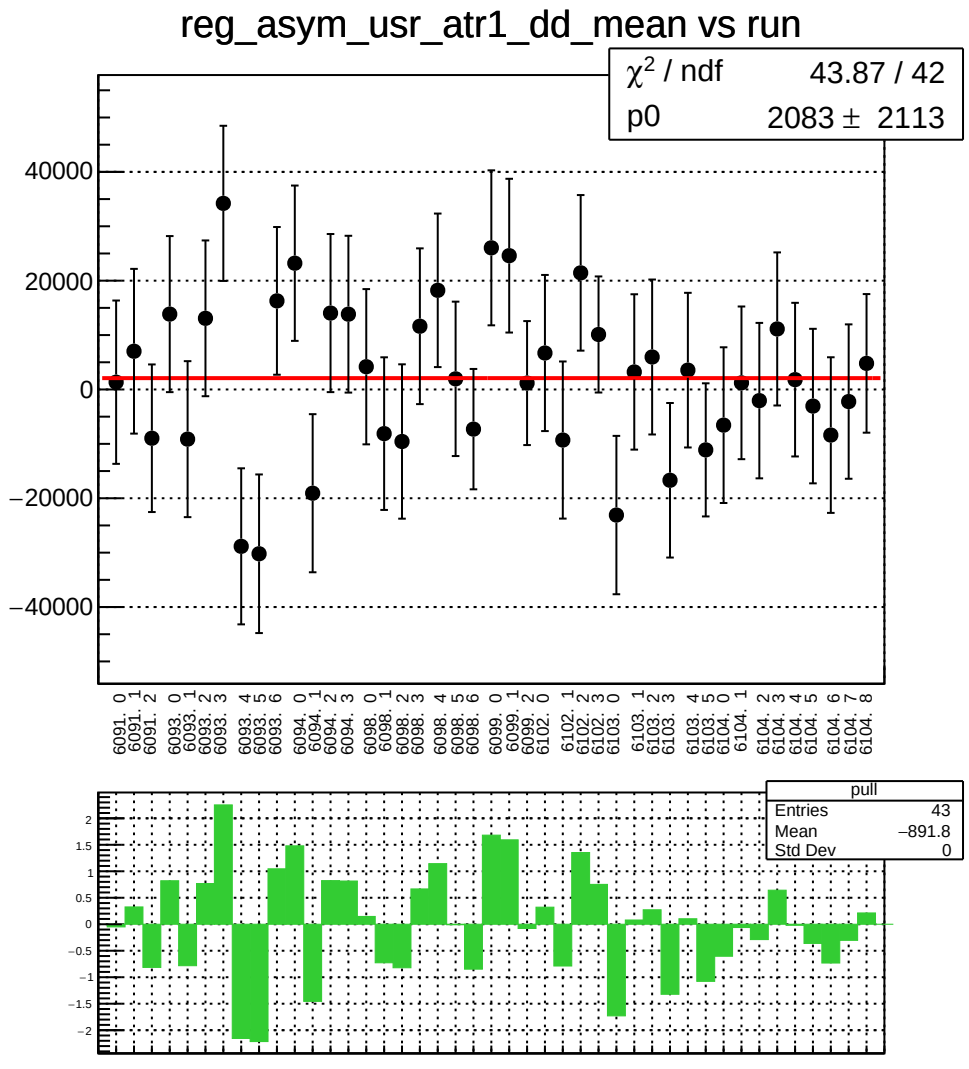

asym_usr_atr1_avg_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 34.55 / 42
p0 −0.2229 ± 0.1592
pull
Entries 43
Mean 68.24
Std Dev 0
pull1D
Entries 43
Mean 0.04587
Std Dev 0.8952

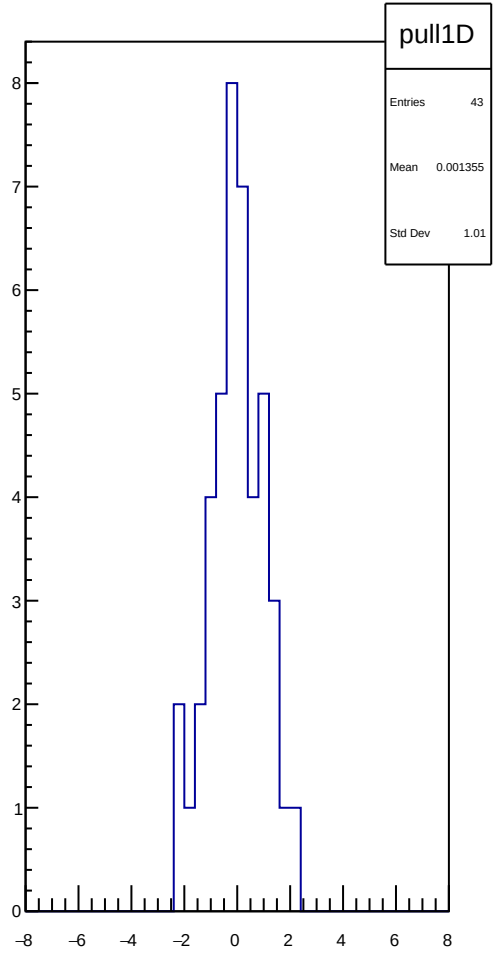

asym_usr_atr1_avg_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 8.131e+04 / 42
p0 97.23 ± 0.1125
180
160
140
120
100
80
60
40
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

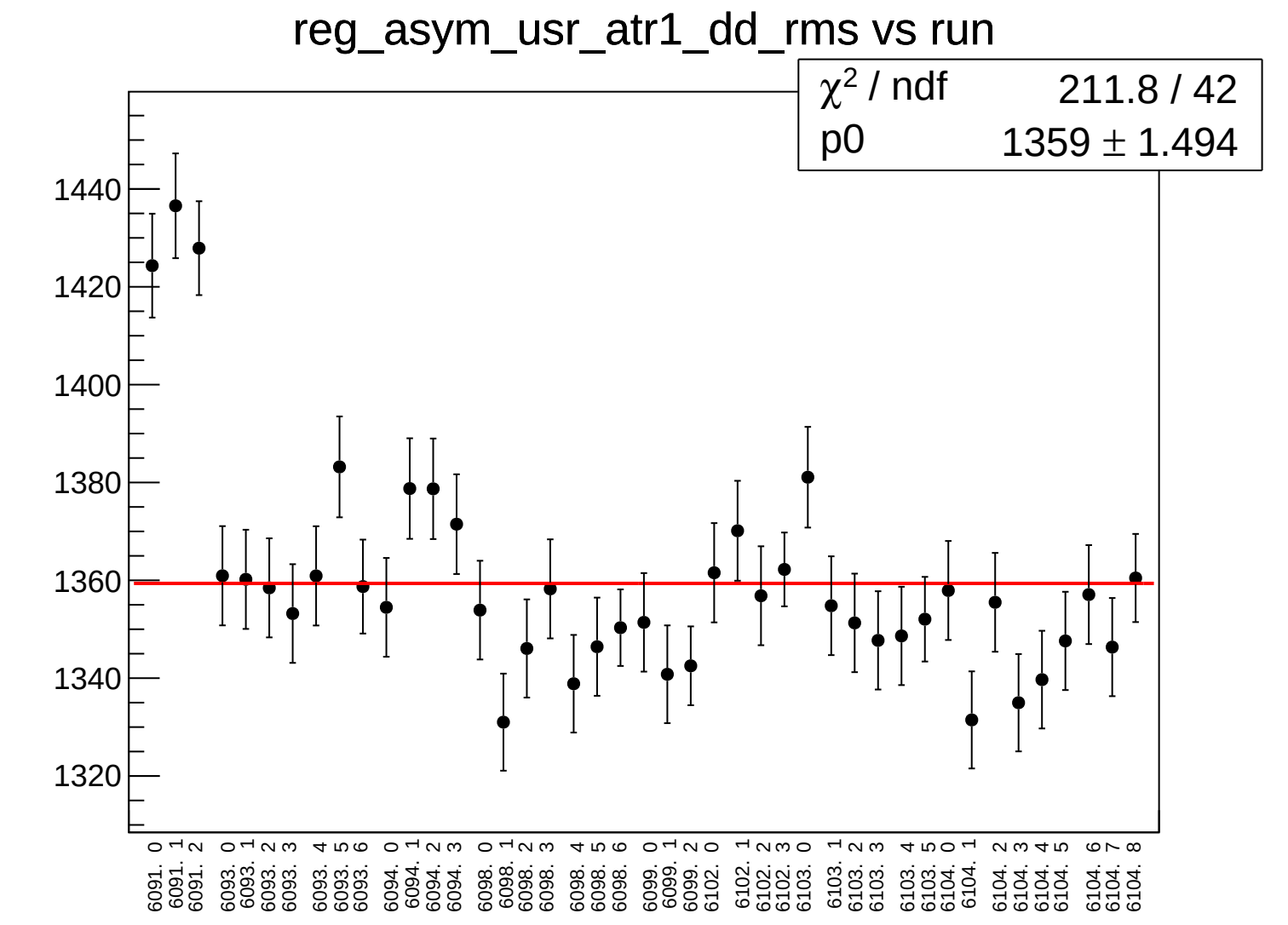

asym_usr_atr1_avg_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 51.36 / 42
p0 2.252e−14 ± 4.595e−14
pull
Entries 43
Mean 8.901
Std Dev 0

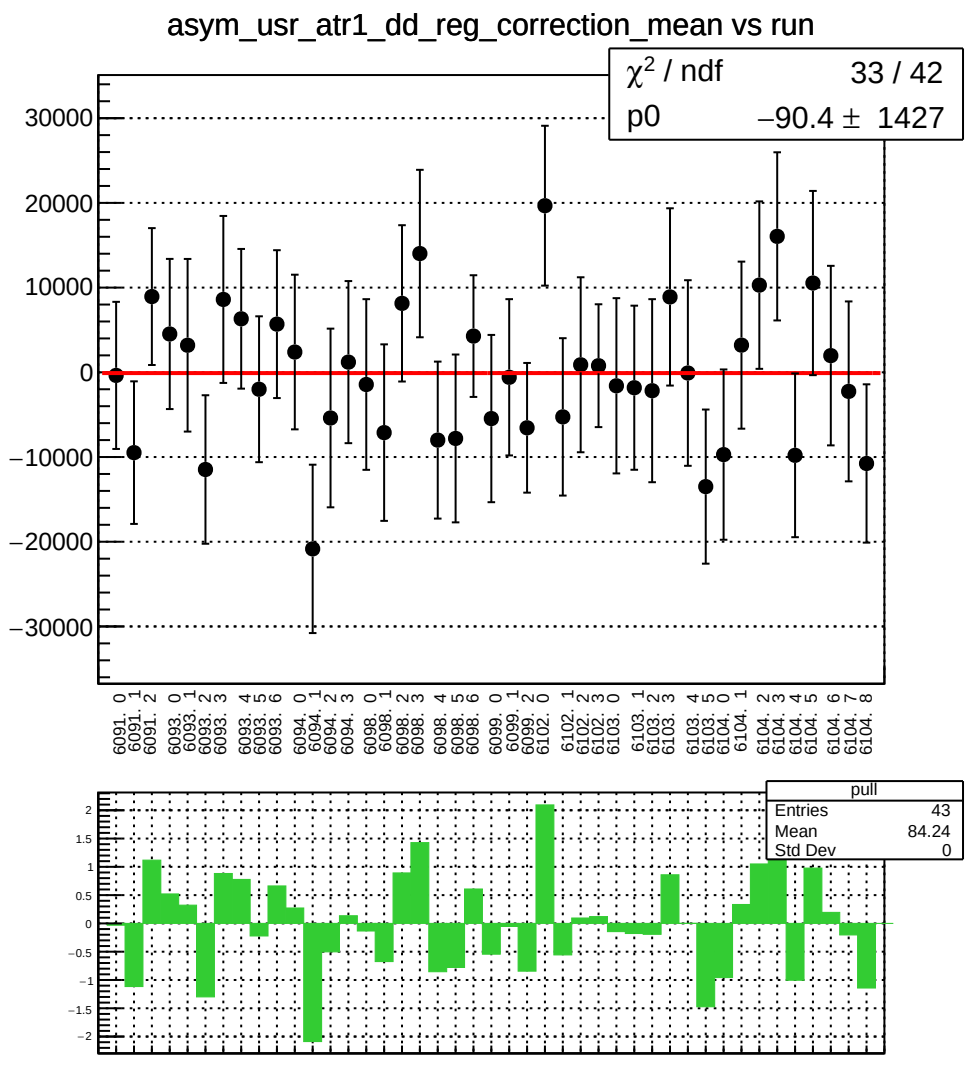

pull1D
Entries 43
Mean −0.09847
Std Dev 1.089

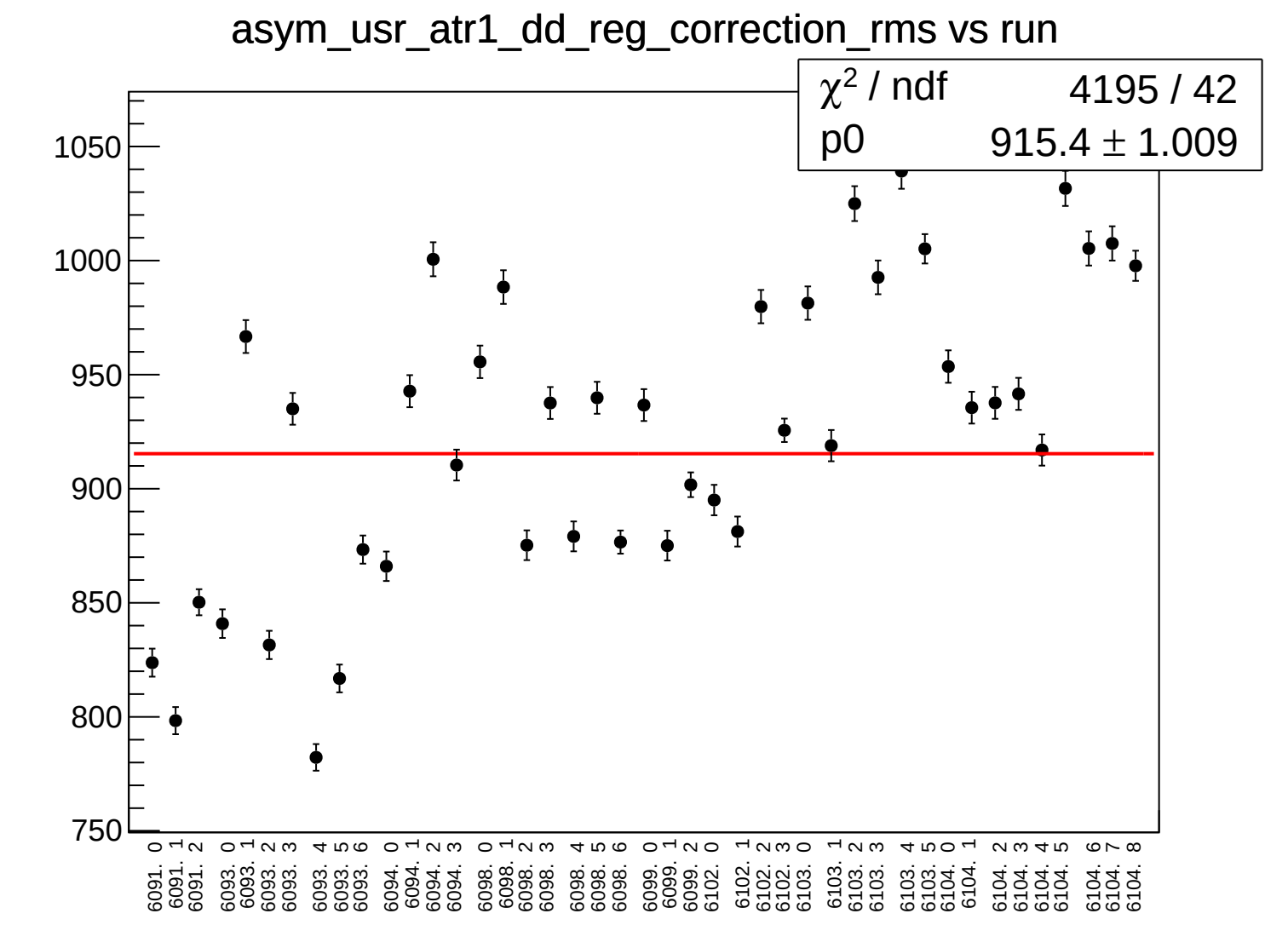

asym_usr_atr1_avg_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 4.557e+05 / 42
p0 1.982e−11 ± 3.249e−14
0.3
0.25
0.2
0.15
0.1
0.05
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

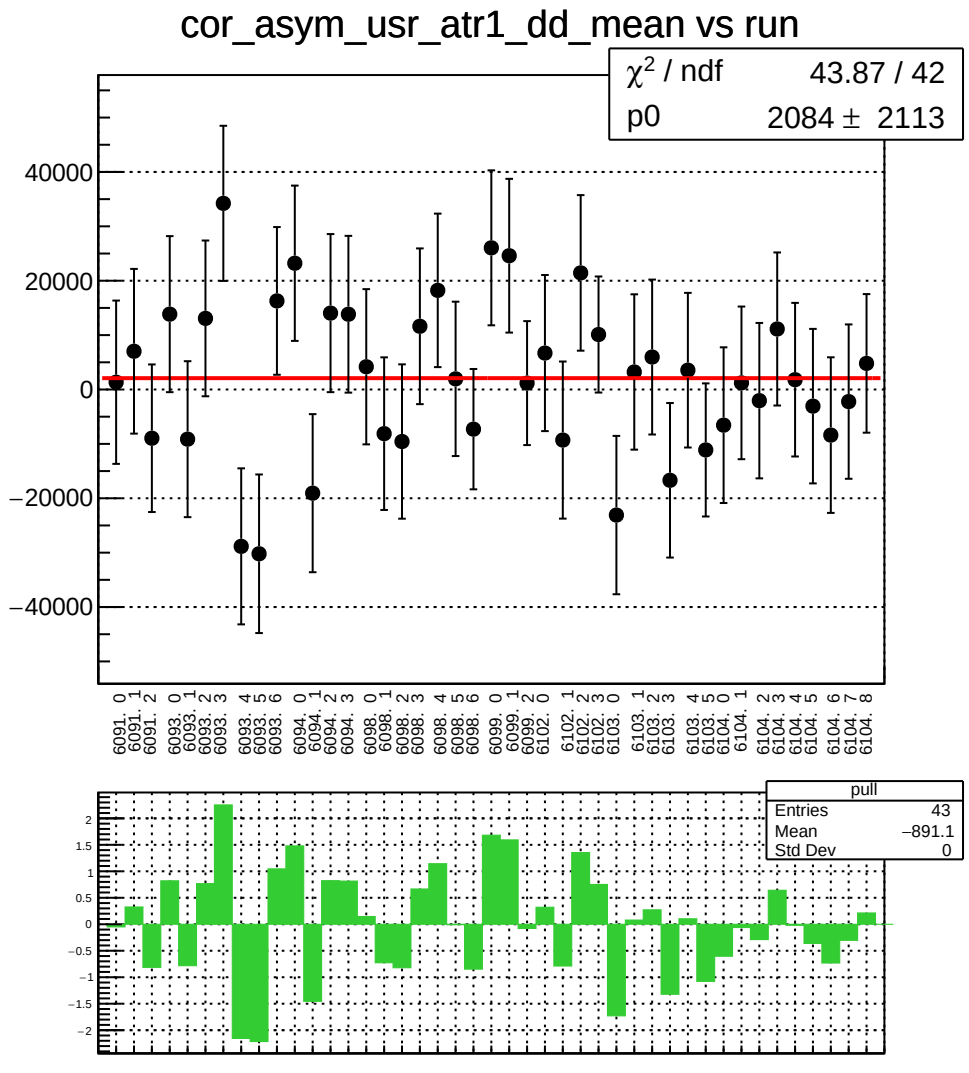

reg_asym_usr_atr1_dd_mean vs run
χ² / ndf 43.87 / 42
p0 2083 ± 2113
40000
20000
0
−20000
−40000
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean −891.8
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

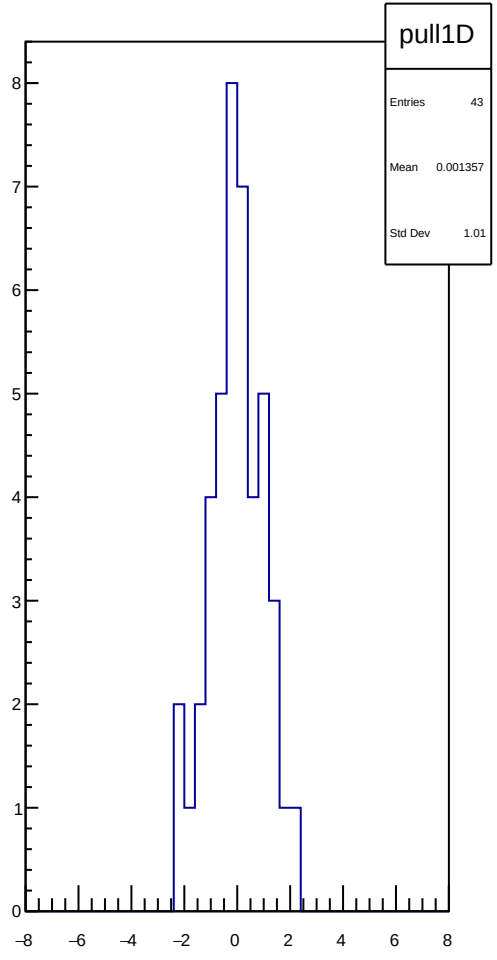

pull1D
Entries 43
Mean 0.001355
Std Dev 1.01
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

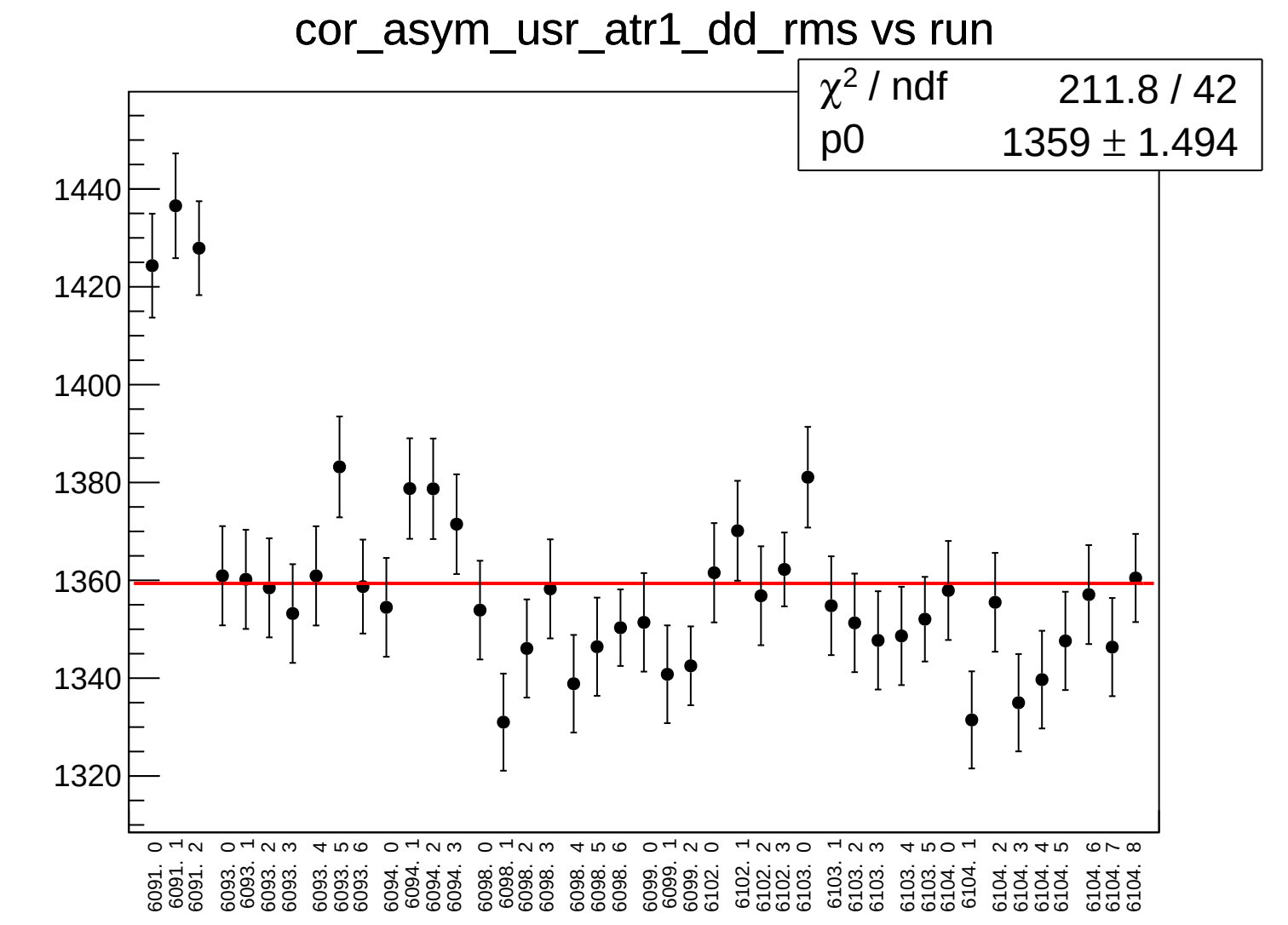

reg_asym_usr_atr1_dd_rms vs run
χ² / ndf 211.8 / 42
p0 1359 ± 1.494
1440
1420
1400
1380
1360
1340
1320
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

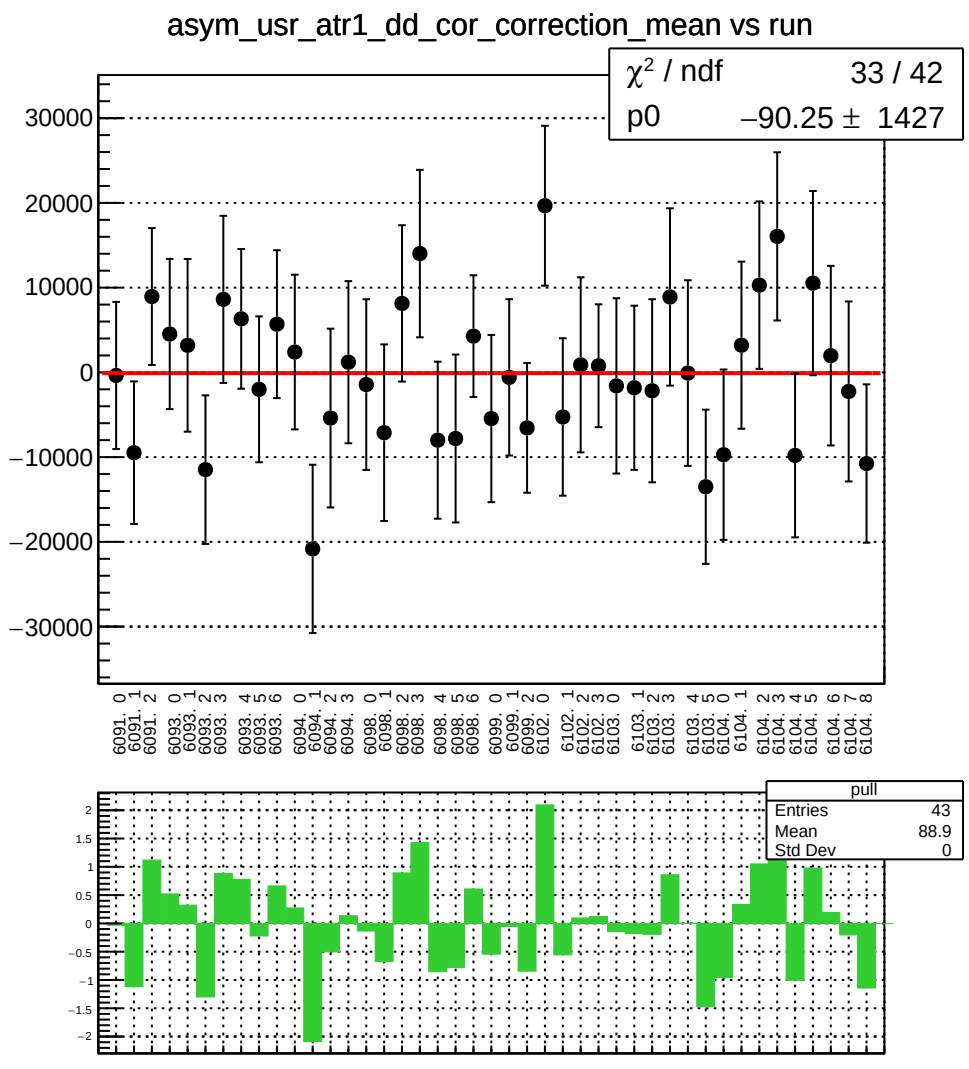

asym_usr_atr1_dd_reg_correction_mean vs run
χ² / ndf 33 / 42
p0 −90.4 ± 1427
30000
20000
10000
0
−10000
−20000
−30000
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 84.24
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 43
Mean −0.0005264
Std Dev 0.876
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

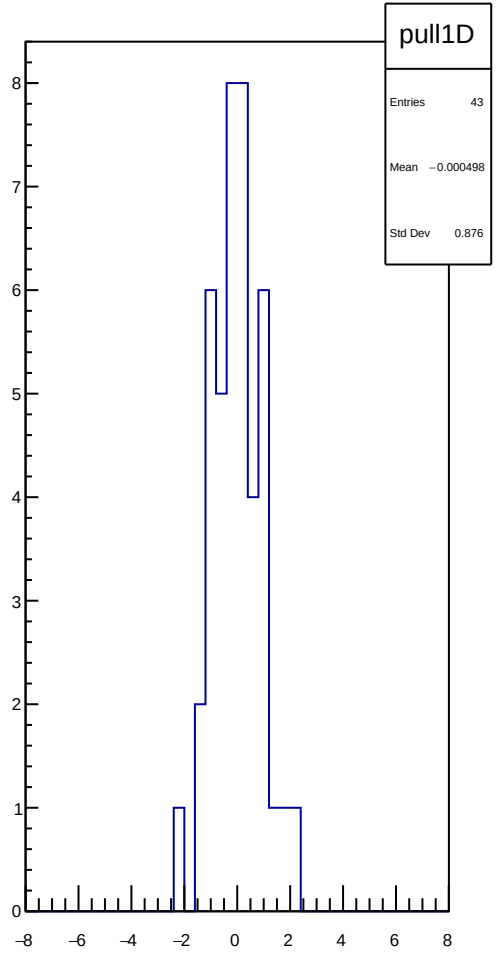

asym_usr_atr1_dd_reg_correction_rms vs run
χ² / ndf 4195 / 42
p0 915.4 ± 1.009
1050
1000
950
900
850
800
750
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

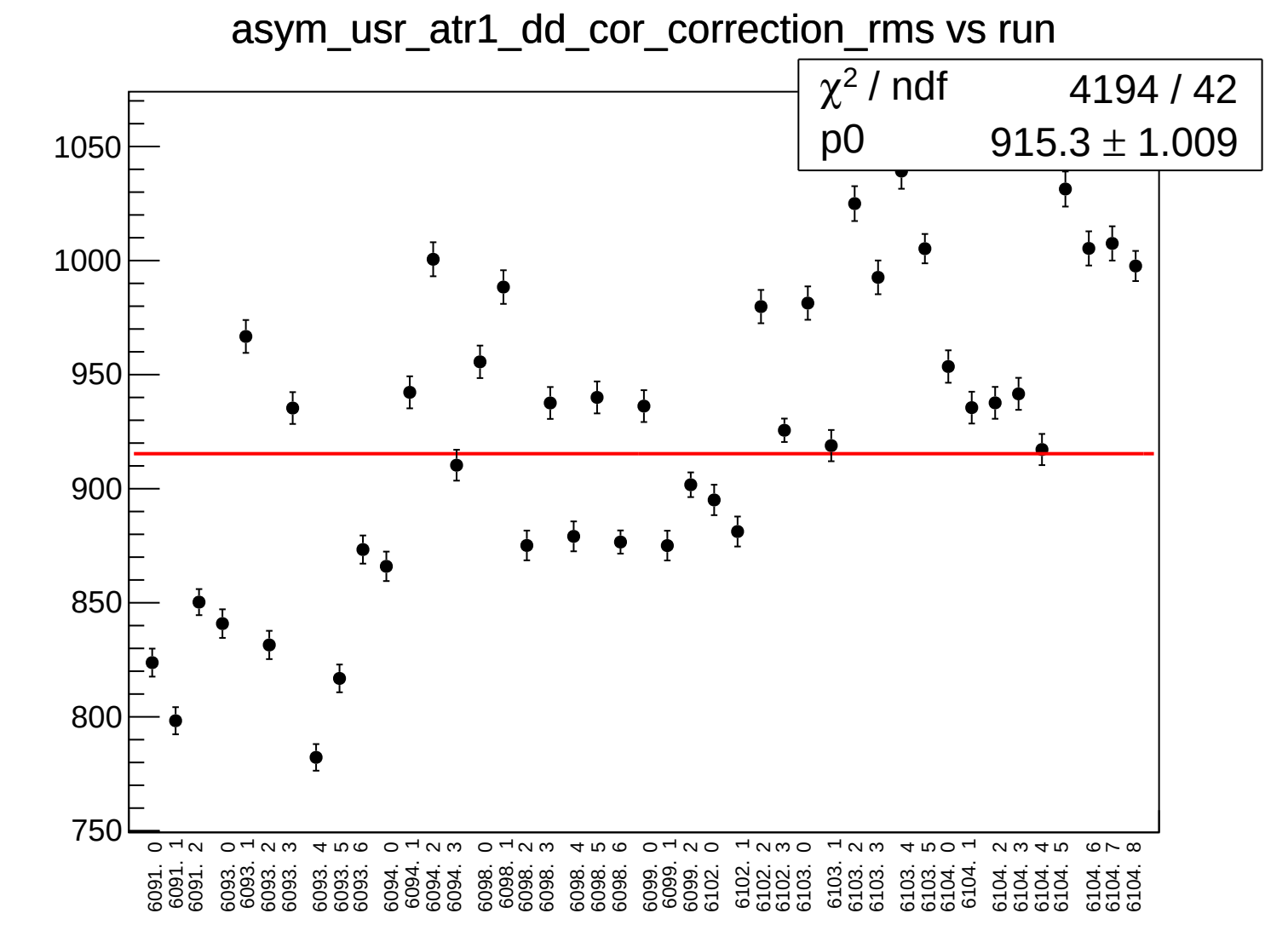

cor_asym_usr_atr1_dd_mean vs run
χ² / ndf 43.87 / 42
p0 2084 ± 2113
40000
20000
0
−20000
−40000
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean −891.1
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

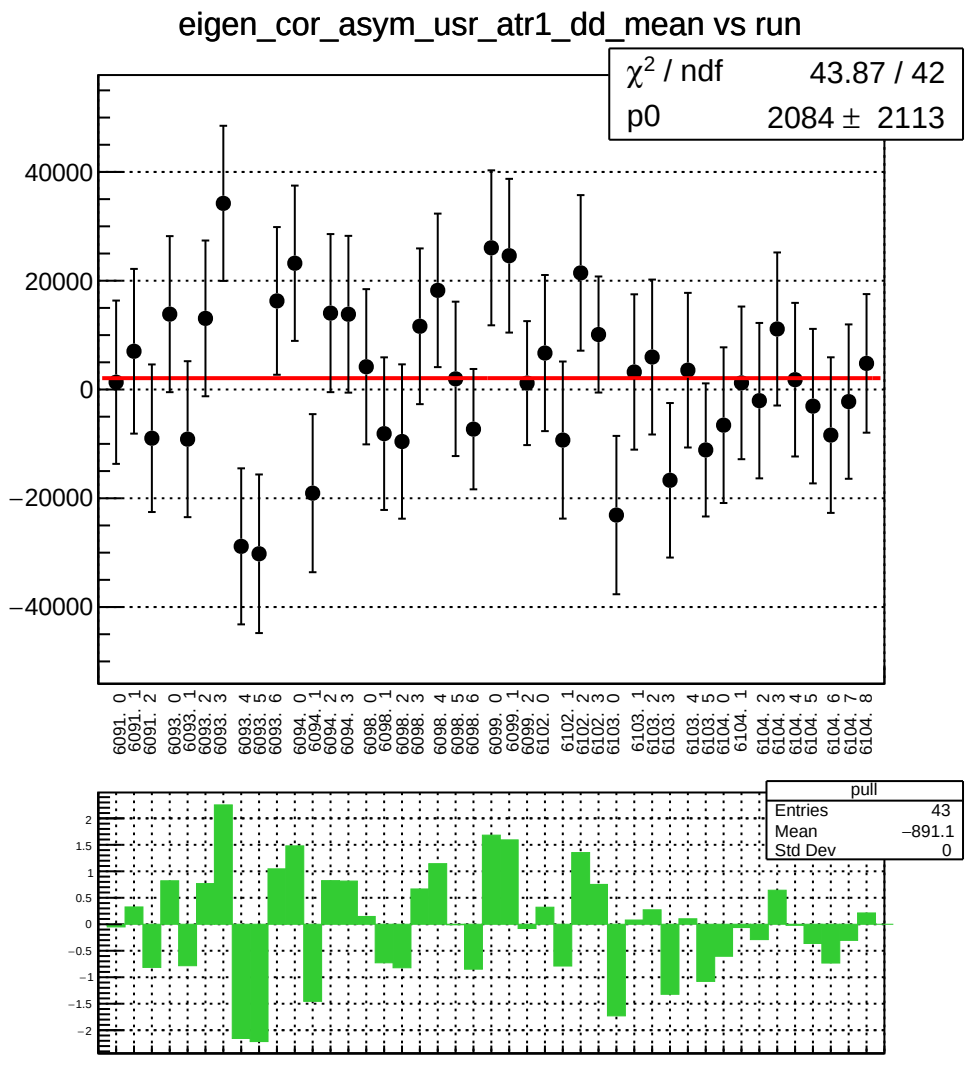

pull1D
Entries 43
Mean 0.001357
Std Dev 1.01
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

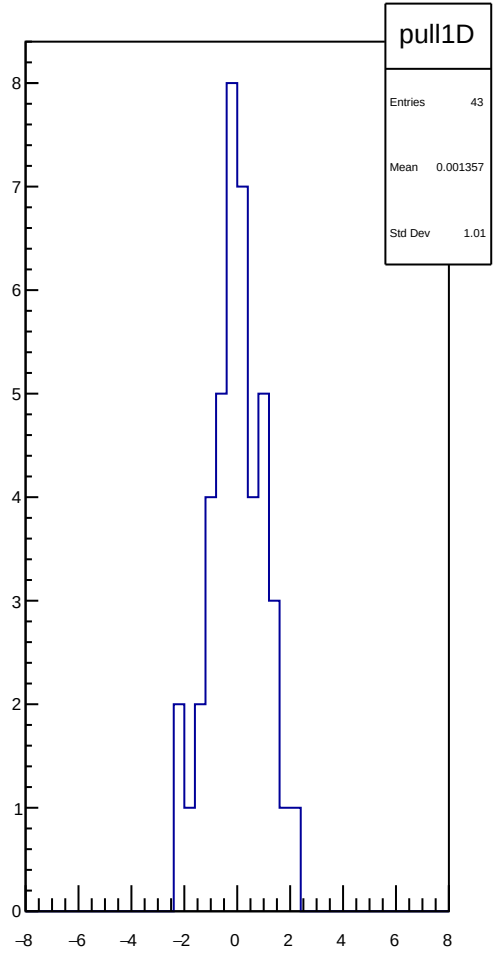

cor_asym_usr_atr1_dd_rms vs run
χ² / ndf 211.8 / 42
p0 1359 ± 1.494
1440
1420
1400
1380
1360
1340
1320
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

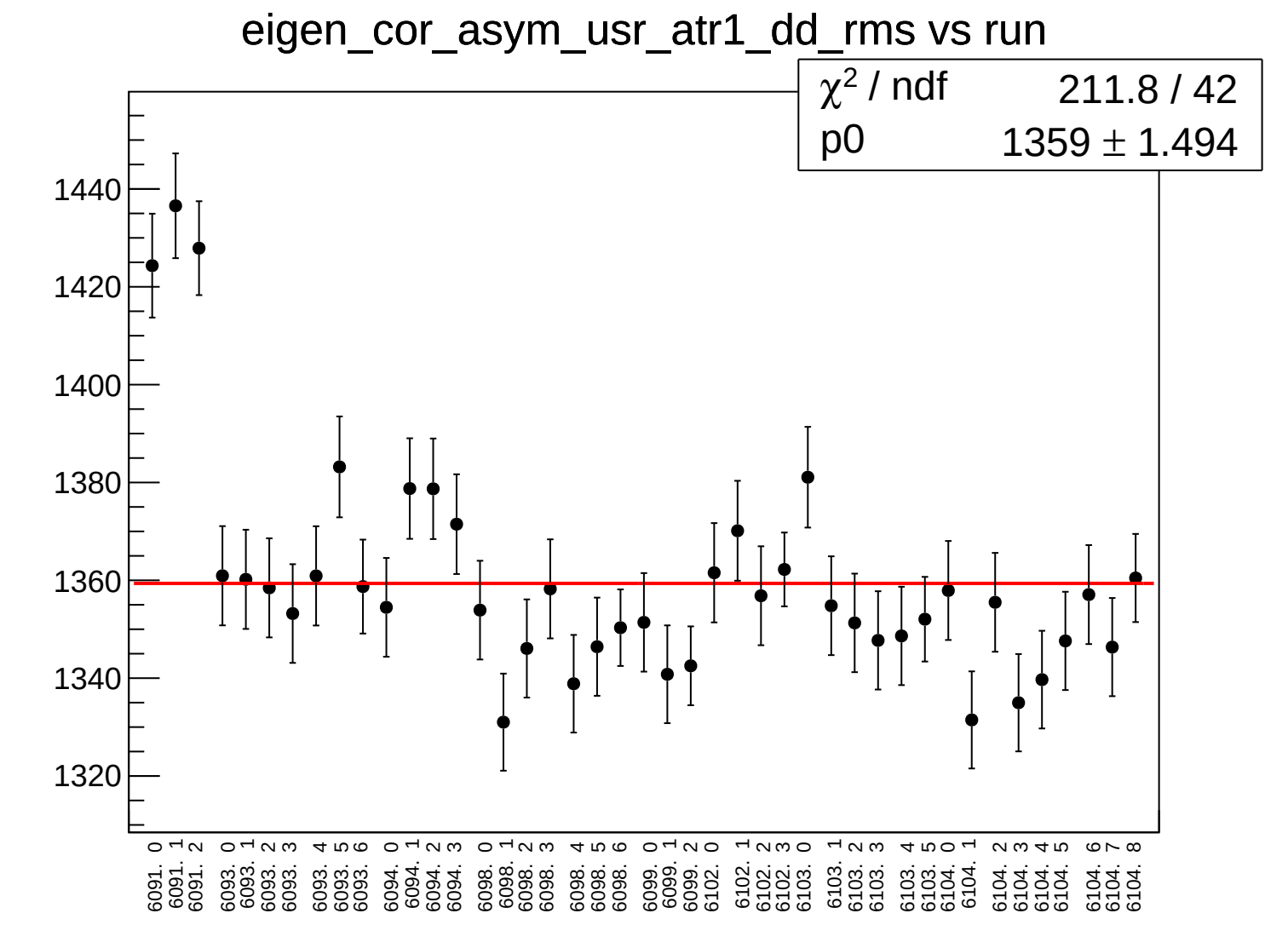

asym_usr_atr1_dd_cor_correction_mean vs run
χ² / ndf 33 / 42
p0 −90.25 ± 1427
30000
20000
10000
0
−10000
−20000
−30000
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 88.9
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

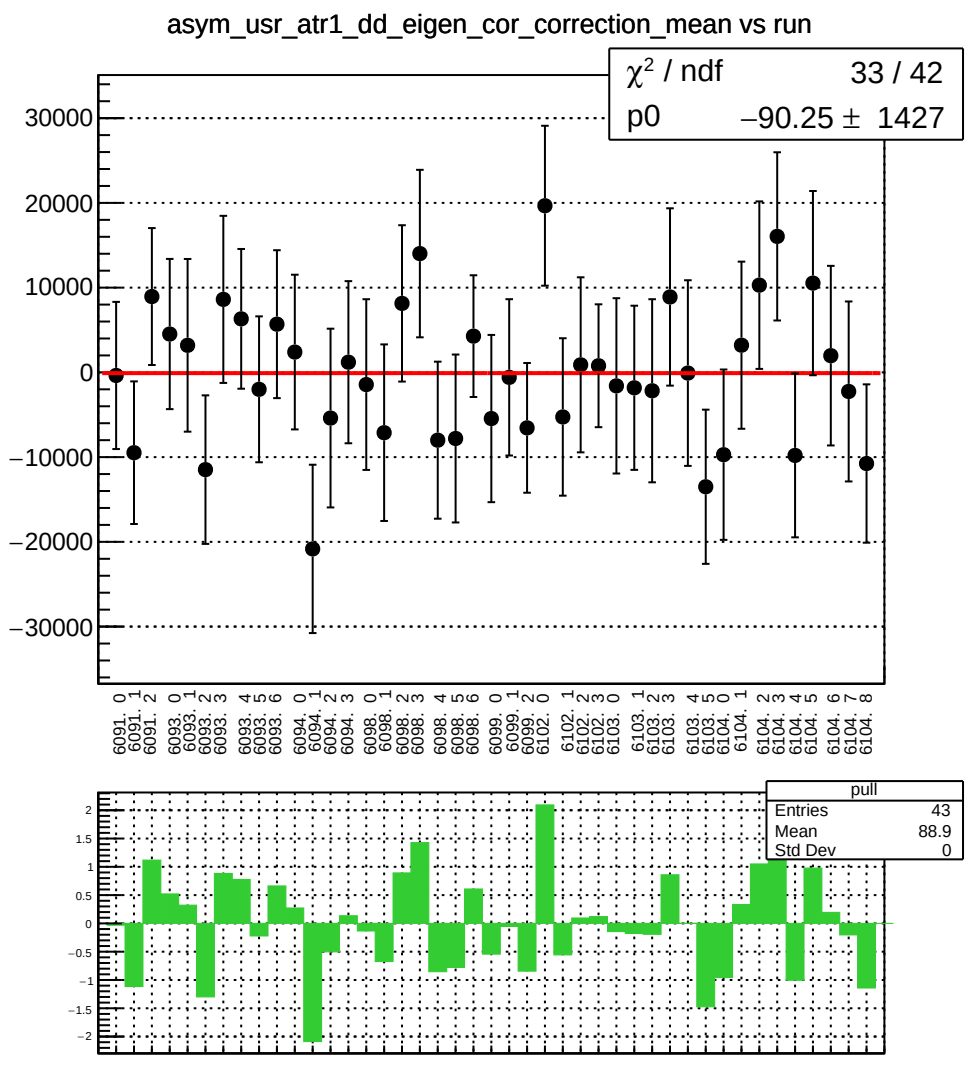

pull1D
Entries 43
Mean −0.000498
Std Dev 0.876
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

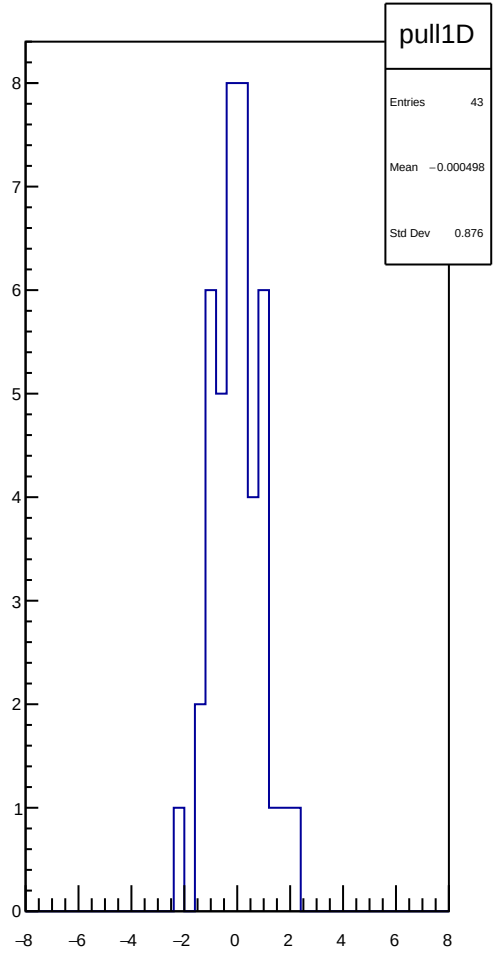

asym_usr_atr1_dd_cor_correction_rms vs run
χ² / ndf 4194 / 42
p0 915.3 ± 1.009
1050
1000
950
900
850
800
750
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

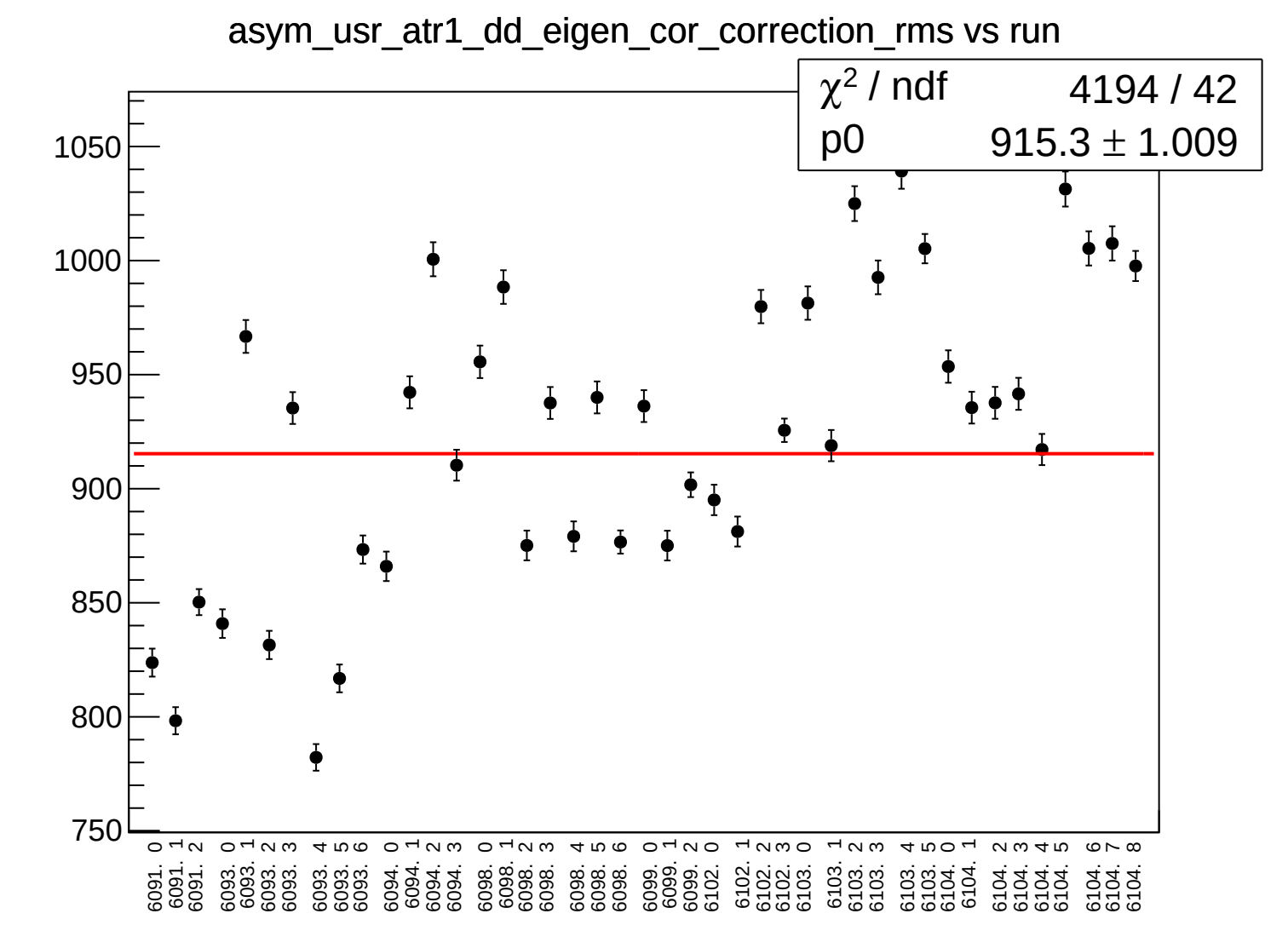

eigen_cor_asym_usr_atr1_dd_mean vs run
χ² / ndf 43.87 / 42
p0 2084 ± 2113
40000
20000
0
−20000
−40000
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean −891.1
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2


pull1D
Entries 43
Mean 0.001357
Std Dev 1.01
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 211.8 / 42
p0 1359 ± 1.494
1440
1420
1400
1380
1360
1340
1320
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8


asym_usr_atr1_dd_eigen_cor_correction_mean vs run
χ² / ndf 33 / 42
p0 −90.25 ± 1427
30000
20000
10000
0
−10000
−20000
−30000
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 88.9
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2


pull1D
Entries 43
Mean −0.000498
Std Dev 0.876
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


asym_usr_atr1_dd_eigen_cor_correction_rms vs run
χ² / ndf 4194 / 42
p0 915.3 ± 1.009
1050
1000
950
900
850
800
750
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
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6104. 1
6104. 2
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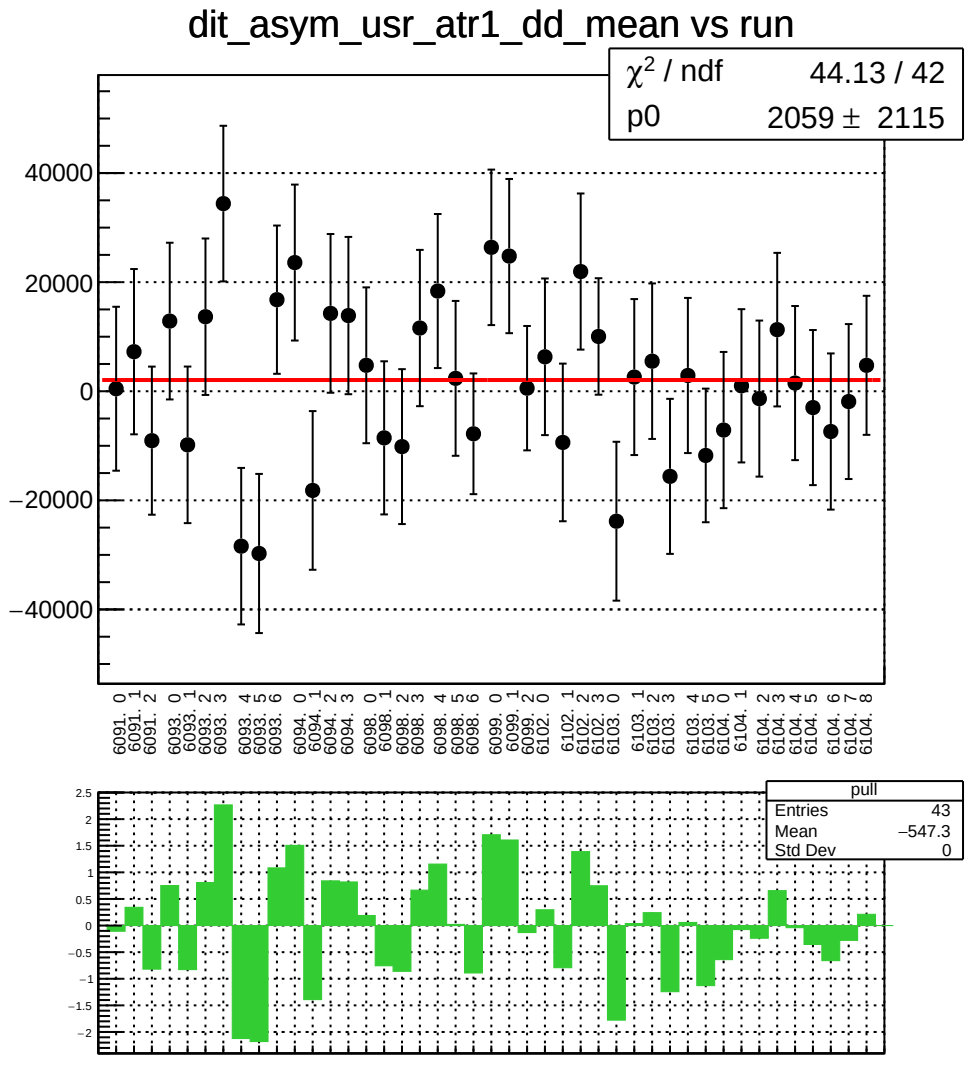
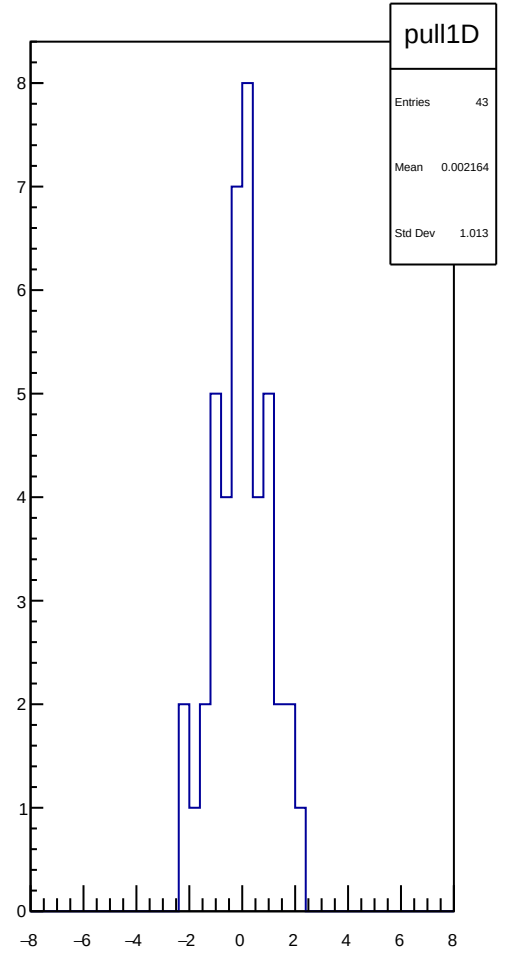
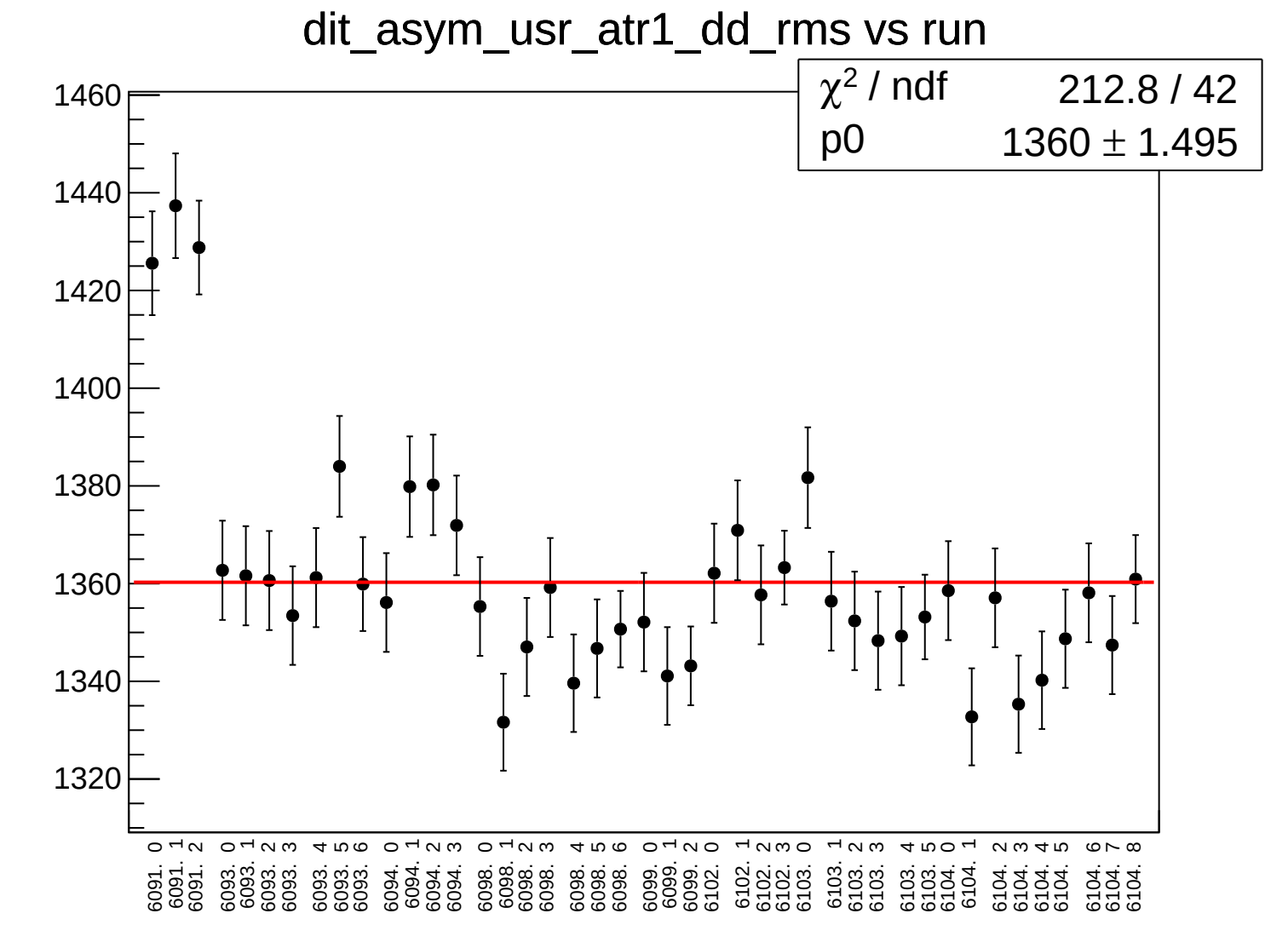
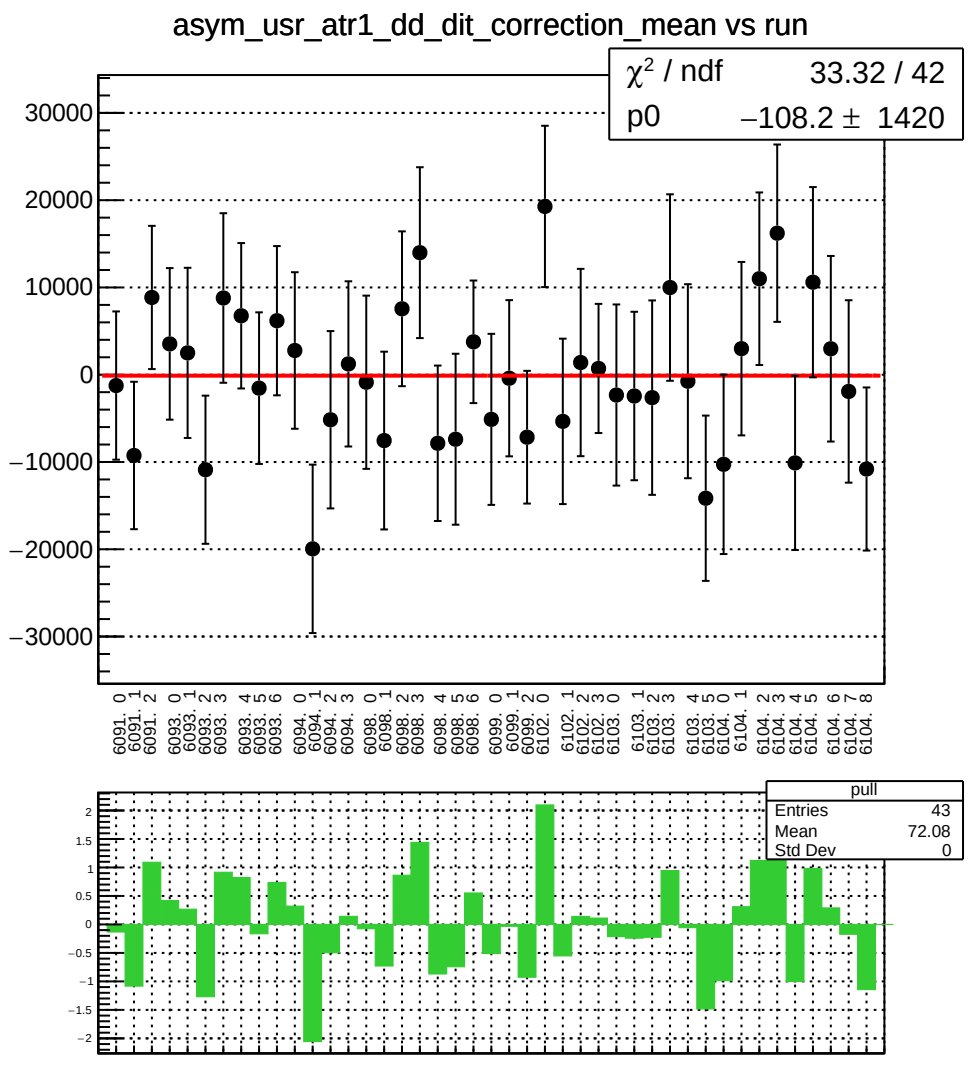
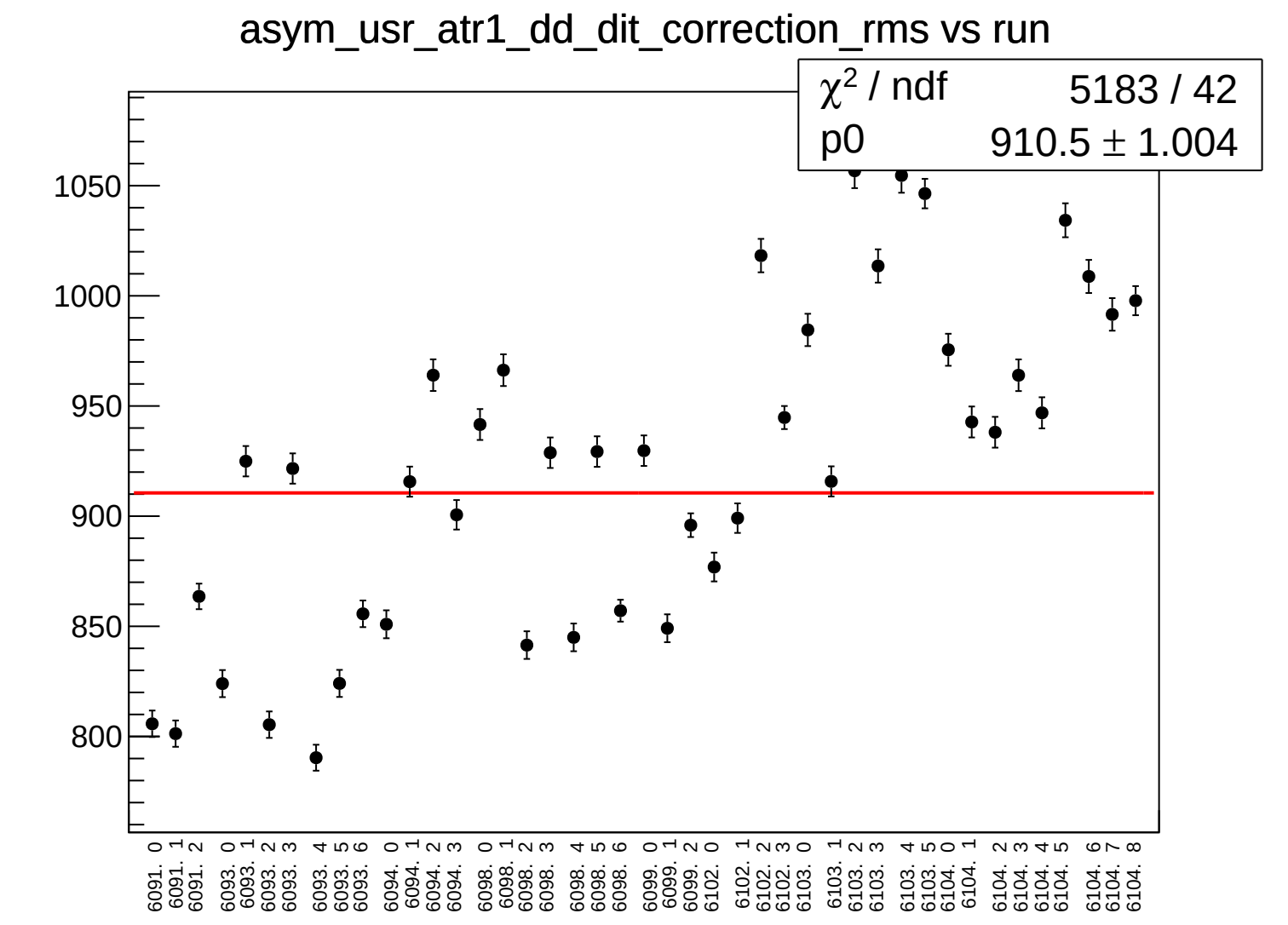
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8


dit_asym_usr_atr1_dd_mean vs run
χ² / ndf 44.13 / 42
p0 2059 ± 2115
40000
20000
0
−20000
−40000
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean −547.3
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2


pull1D
Entries 43
Mean 0.002164
Std Dev 1.013
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 212.8 / 42
p0 1360 ± 1.495
1460
1440
1420
1400
1380
1360
1340
1320
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8


asym_usr_atr1_dd_dit_correction_mean vs run
χ² / ndf 33.32 / 42
p0 −108.2 ± 1420
30000
20000
10000
0
−10000
−20000
−30000
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 72.08
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 43
Mean 0.0002544
Std Dev 0.8803
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


asym_usr_atr1_dd_dit_correction_rms vs run
χ² / ndf 5183 / 42
p0 910.5 ± 1.004
1050
1000
950
900
850
800
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
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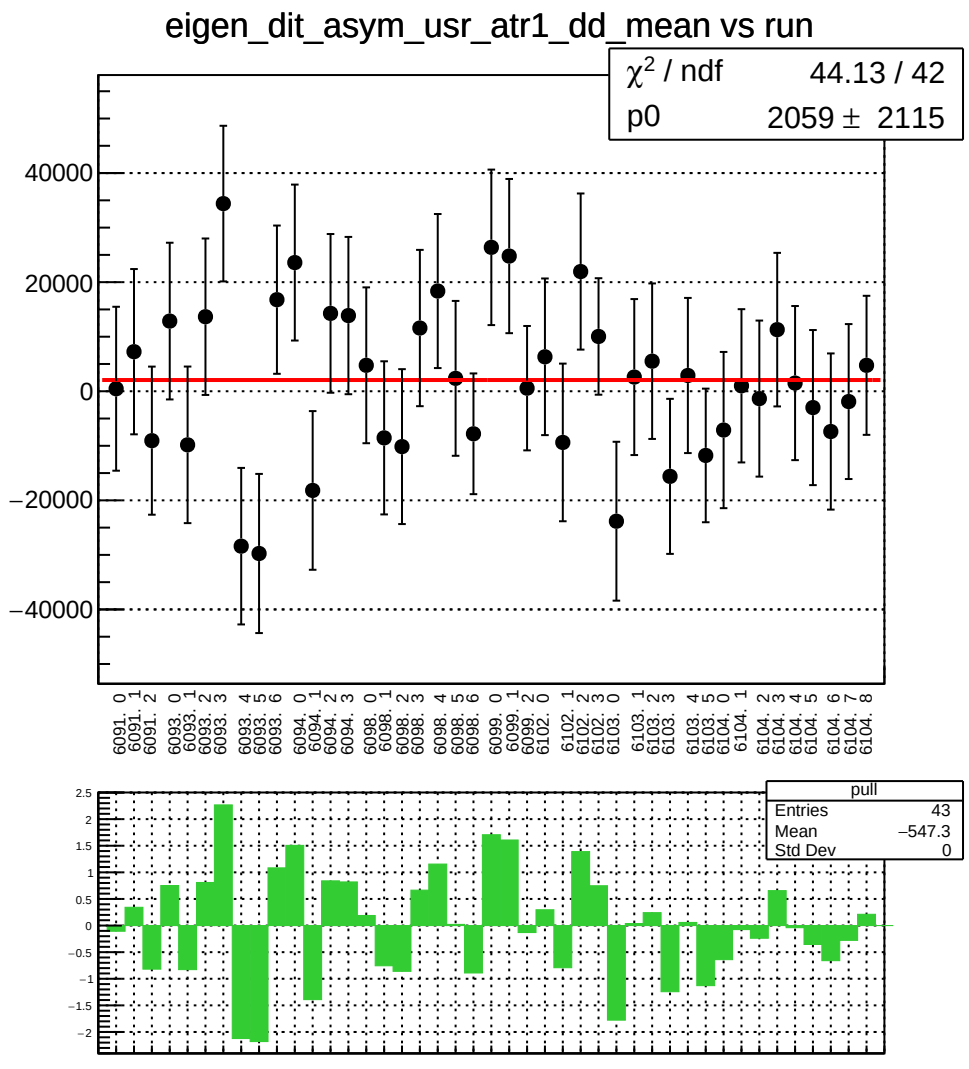
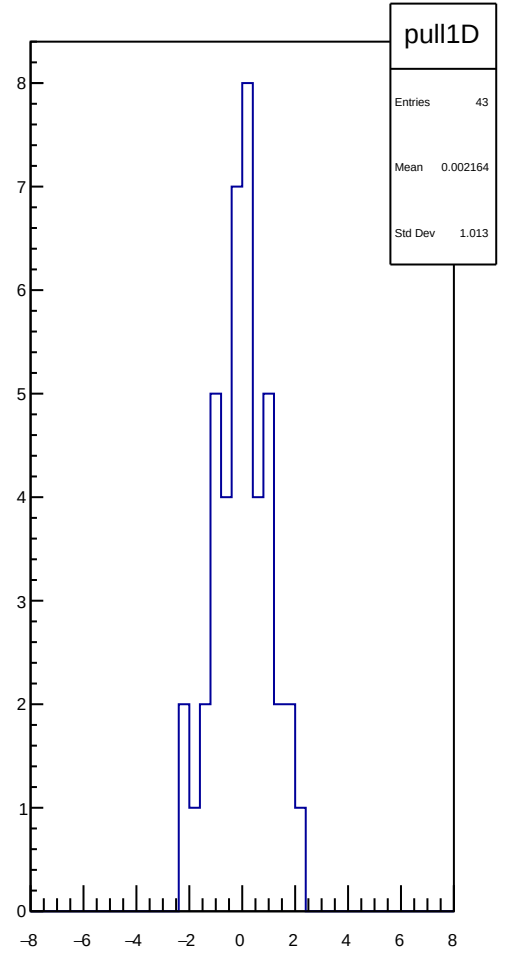
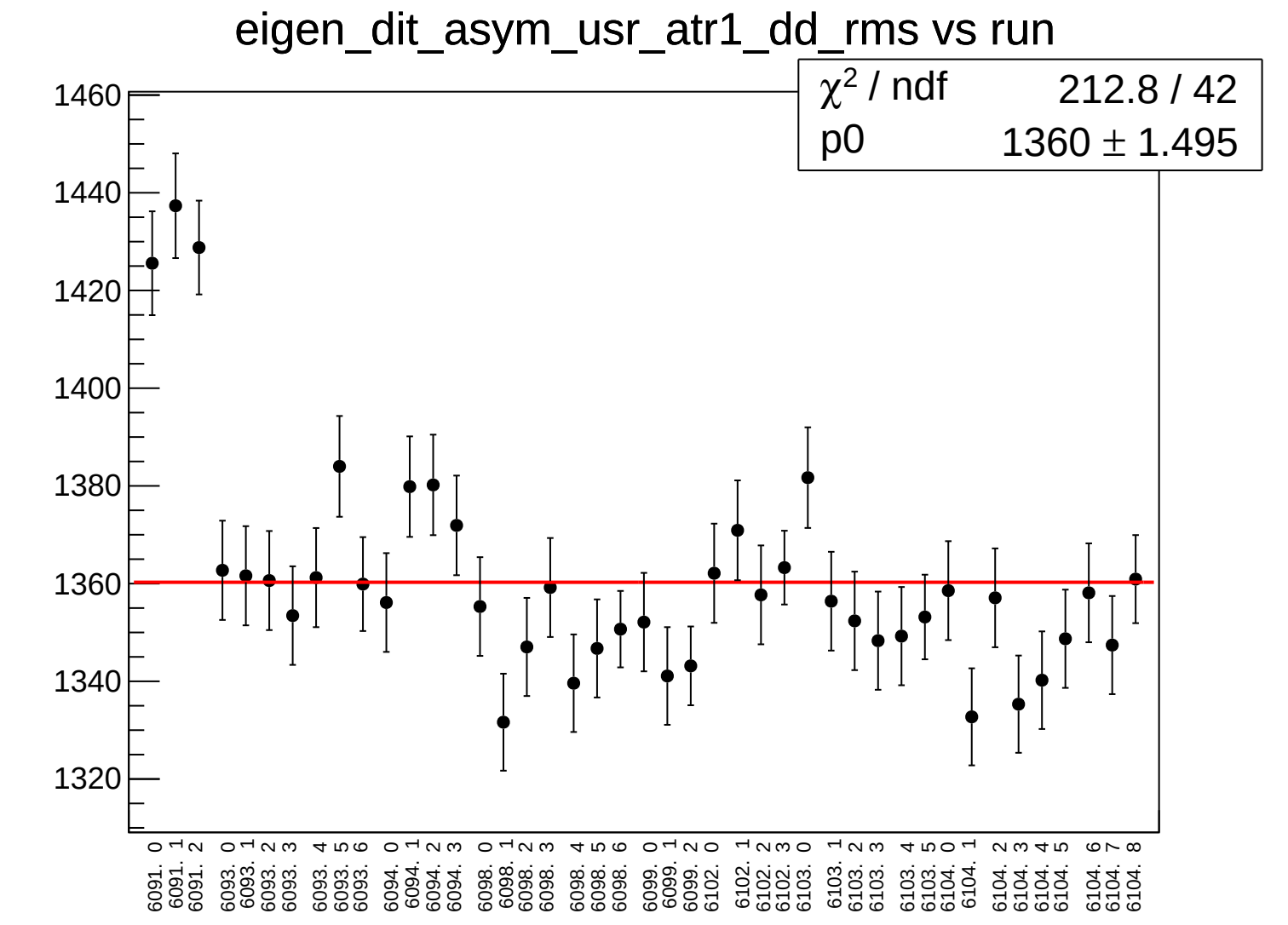
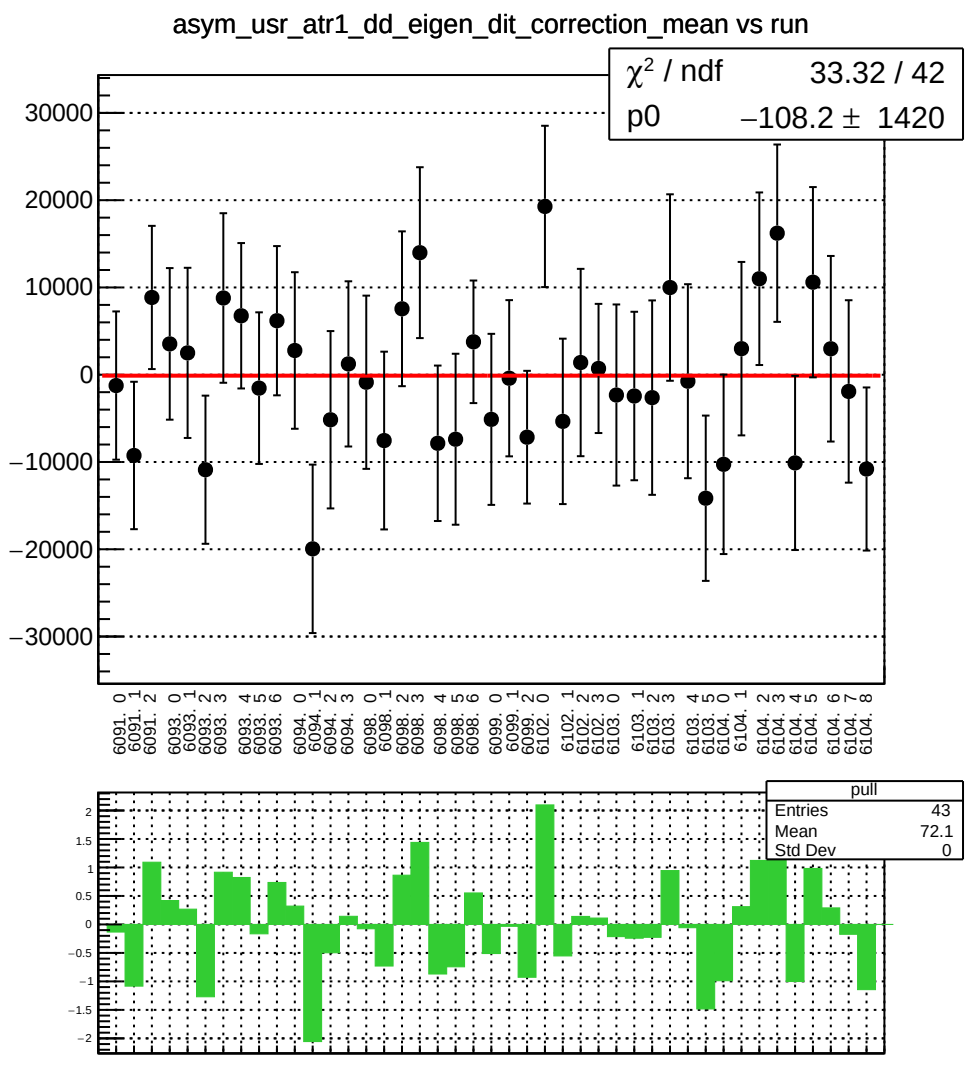
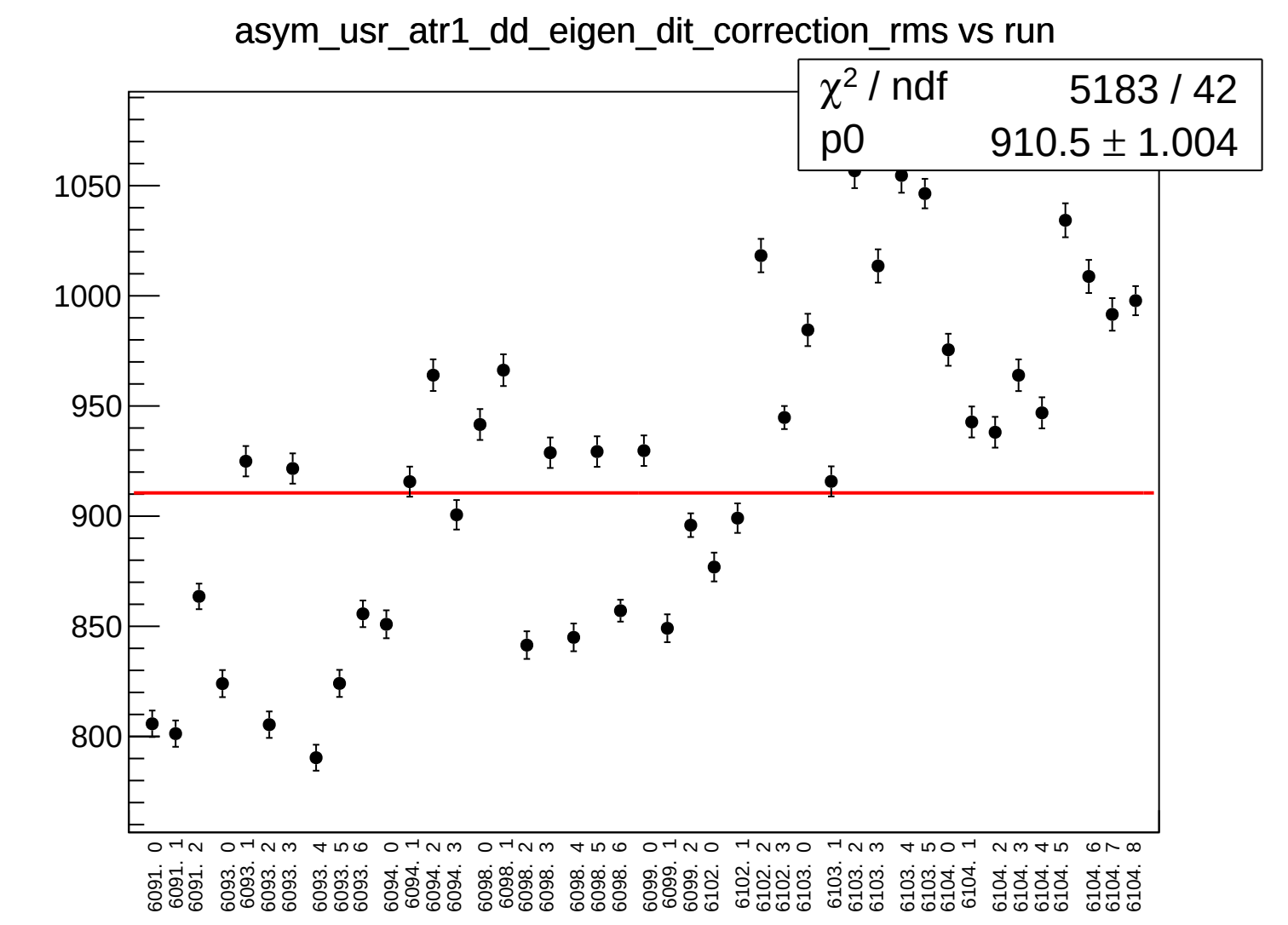
6104. 7
6104. 8

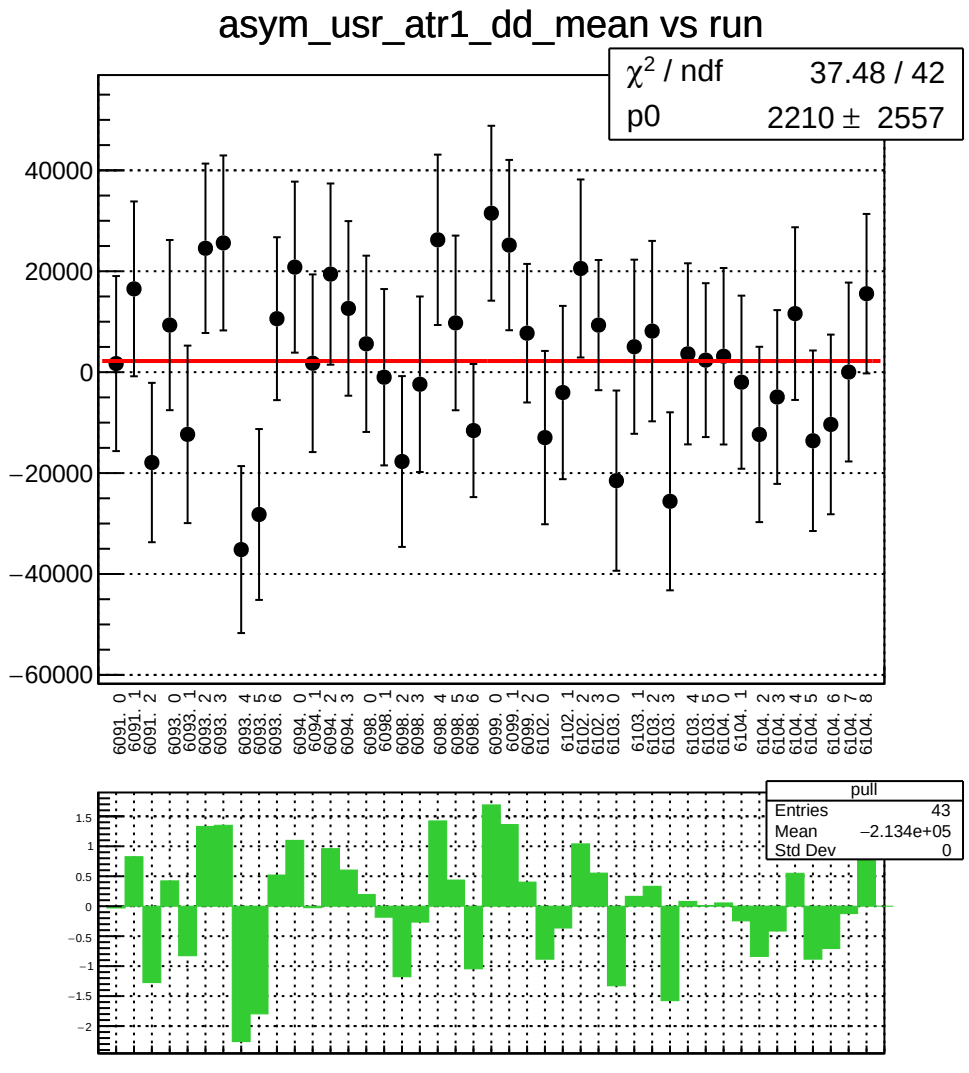

eigen_dit_asym_usr_atr1_dd_mean vs run
χ² / ndf 44.13 / 42
p0 2059 ± 2115
40000
20000
0
−20000
−40000
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean −547.3
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

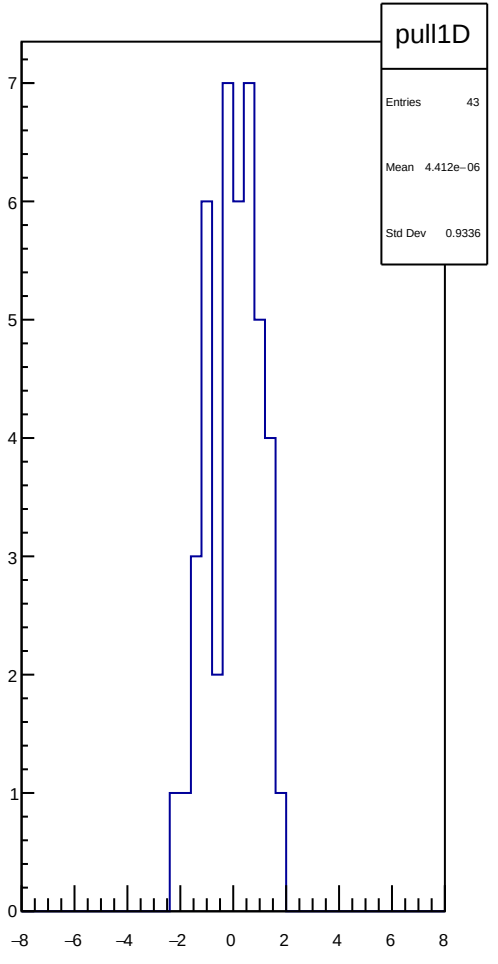

pull1D
Entries 43
Mean 0.002164
Std Dev 1.013
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

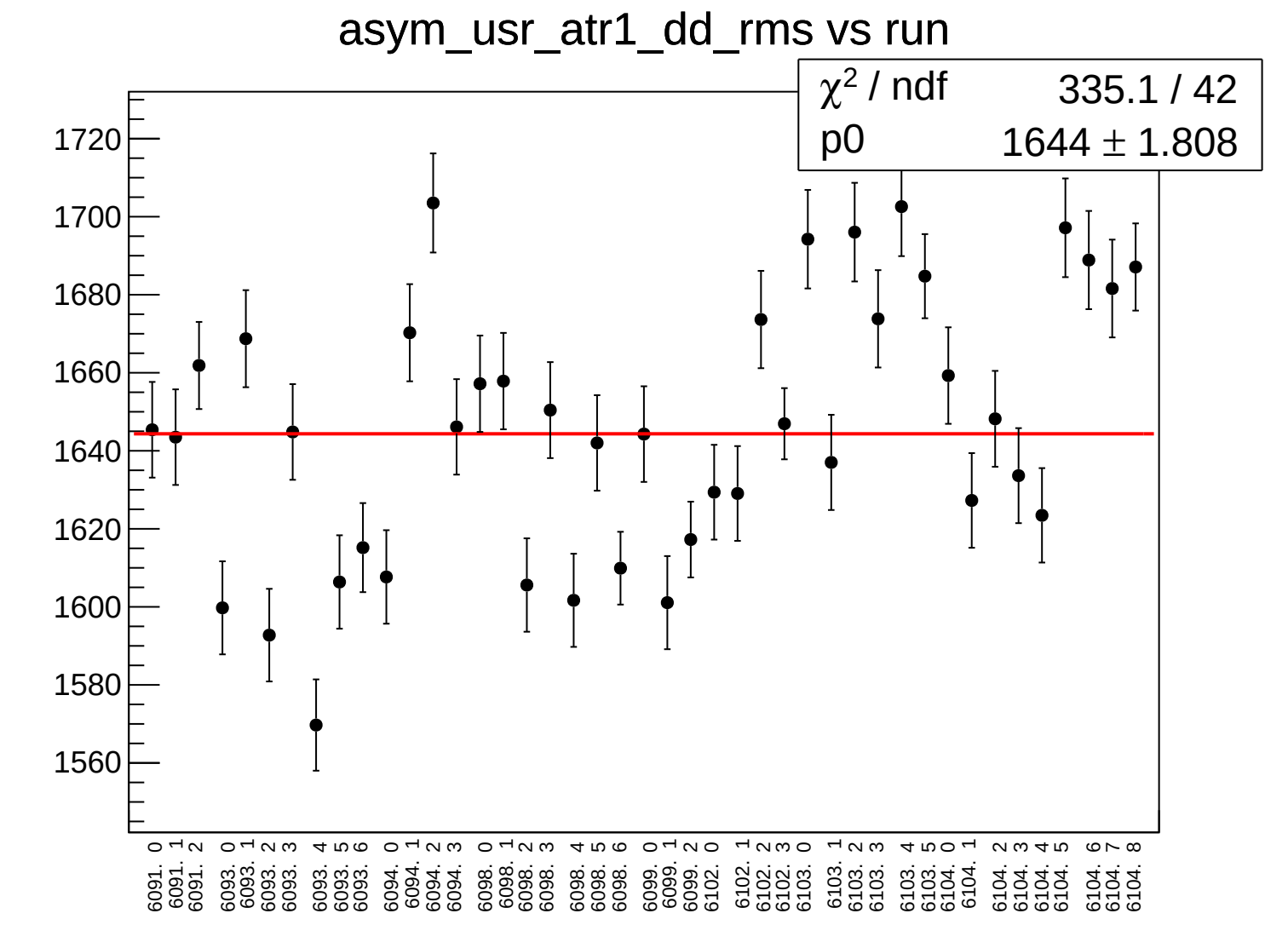

eigen_dit_asym_usr_atr1_dd_rms vs run
χ² / ndf 212.8 / 42
p0 1360 ± 1.495
1460
1440
1420
1400
1380
1360
1340
1320
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

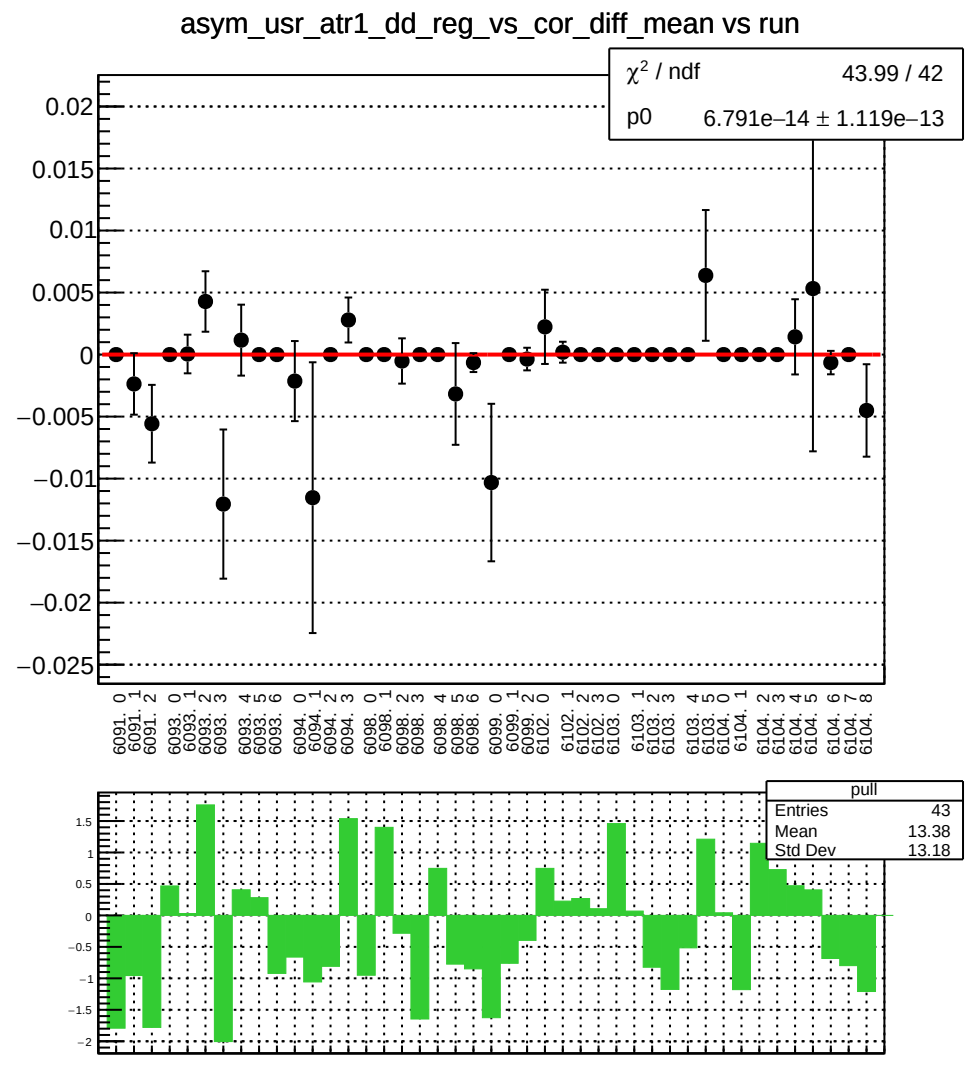

asym_usr_atr1_dd_eigen_dit_correction_mean vs run
χ² / ndf 33.32 / 42
p0 −108.2 ± 1420
30000
20000
10000
0
−10000
−20000
−30000
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 72.1
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 43
Mean 0.0002543
Std Dev 0.8803
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

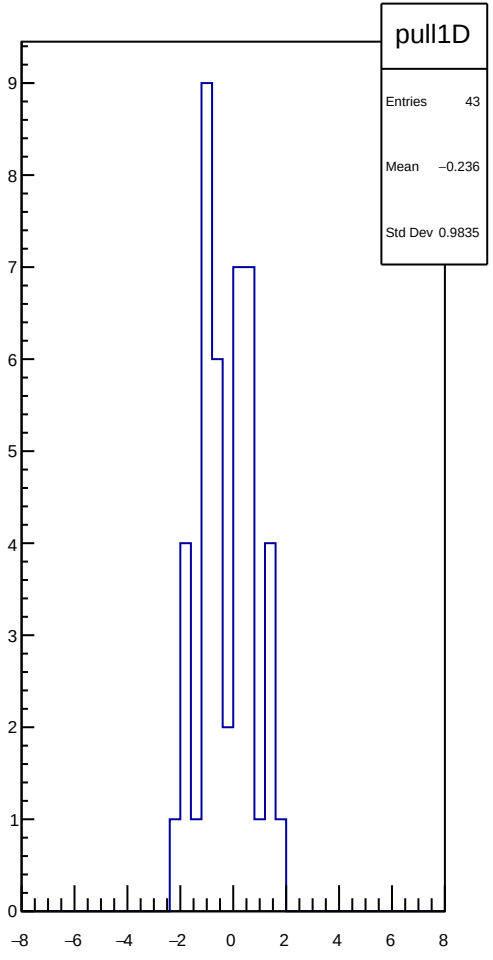

asym_usr_atr1_dd_eigen_dit_correction_rms vs run
χ² / ndf 5183 / 42
p0 910.5 ± 1.004
1050
1000
950
900
850
800
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

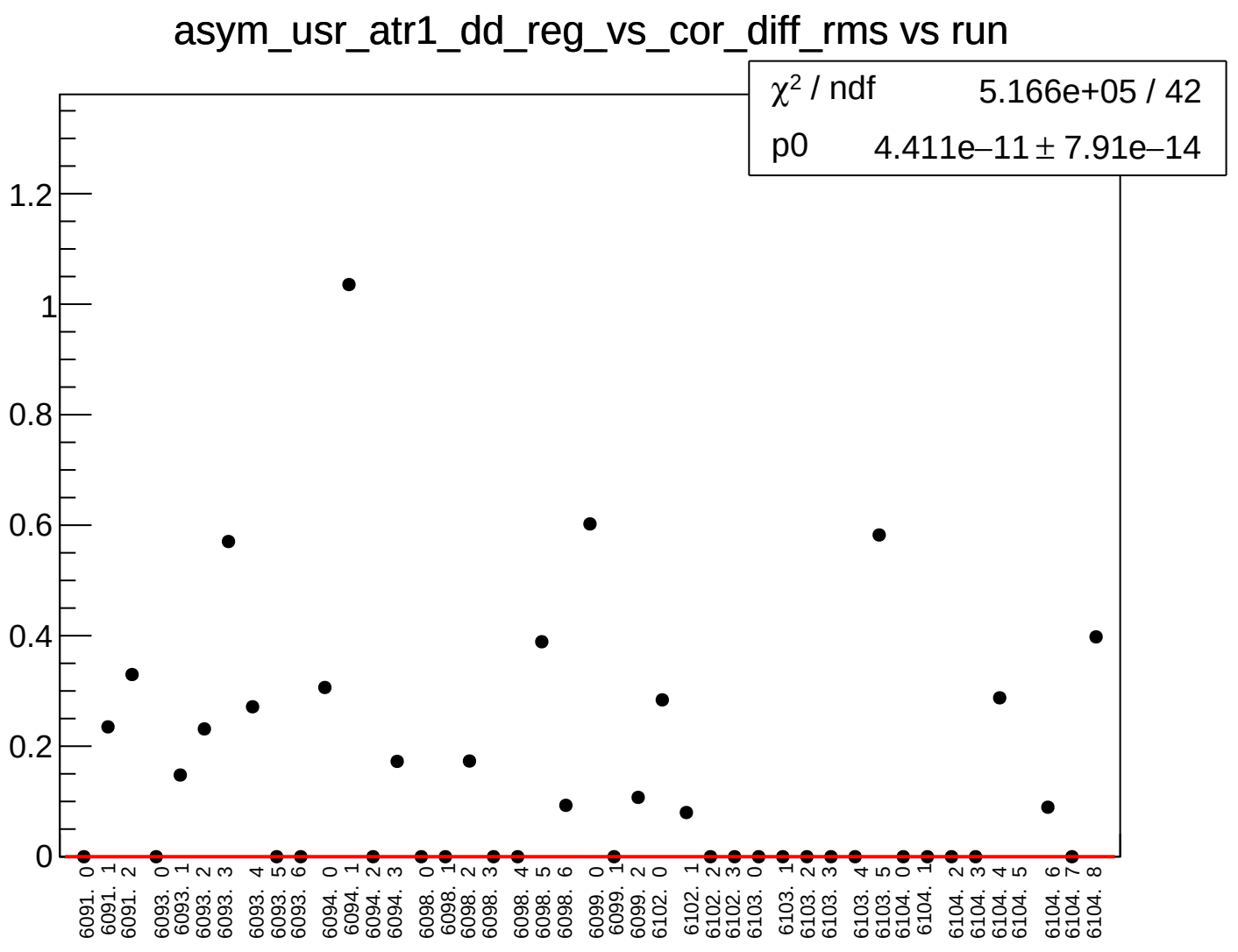

asym_usr_atr1_dd_mean vs run
χ² / ndf 37.48 / 42
p0 2210 ± 2557
40000
20000
0
−20000
−40000
−60000
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean −2.134e+05
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2

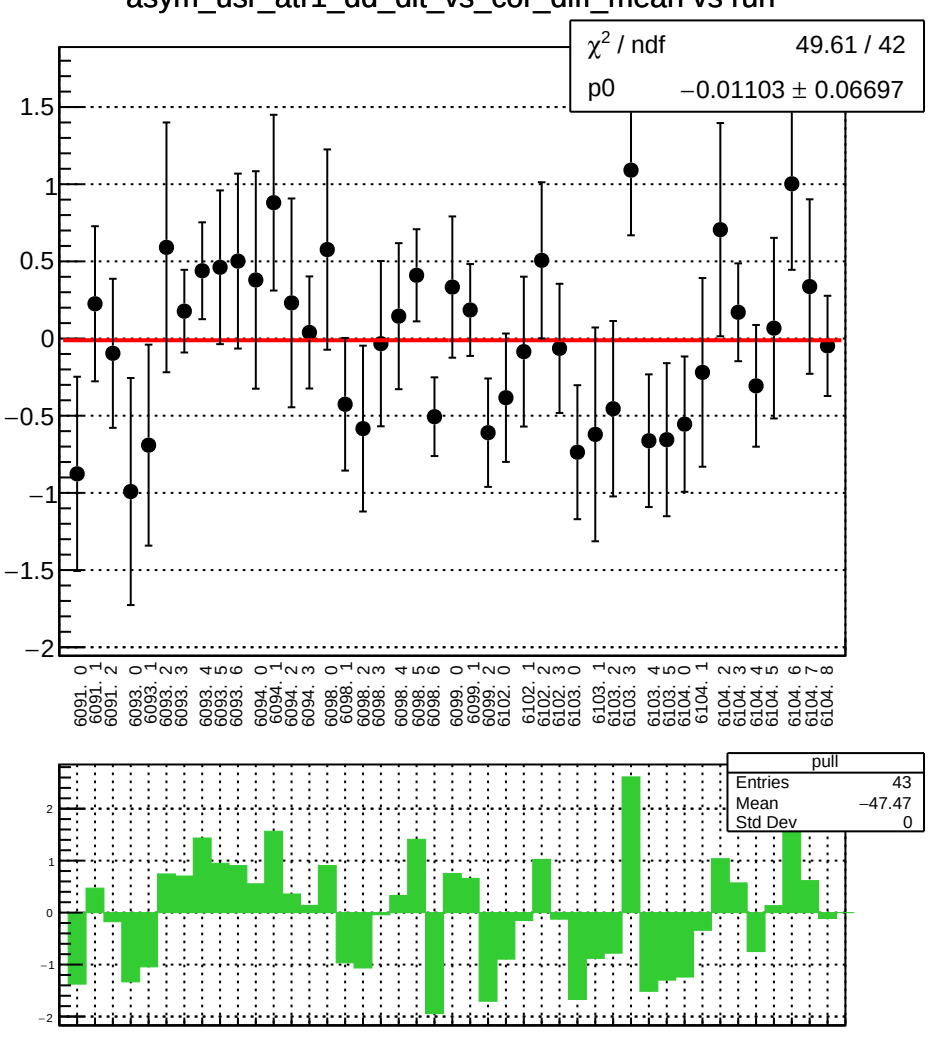

pull1D
Entries 43
Mean 4.412e−06
Std Dev 0.9336
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

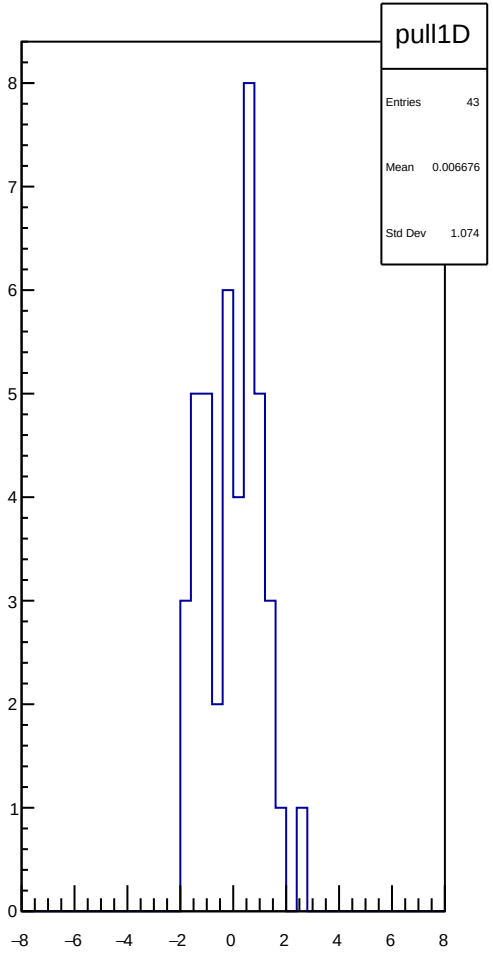

asym_usr_atr1_dd_rms vs run
χ² / ndf 335.1 / 42
p0 1644 ± 1.808
1720
1700
1680
1660
1640
1620
1600
1580
1560
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

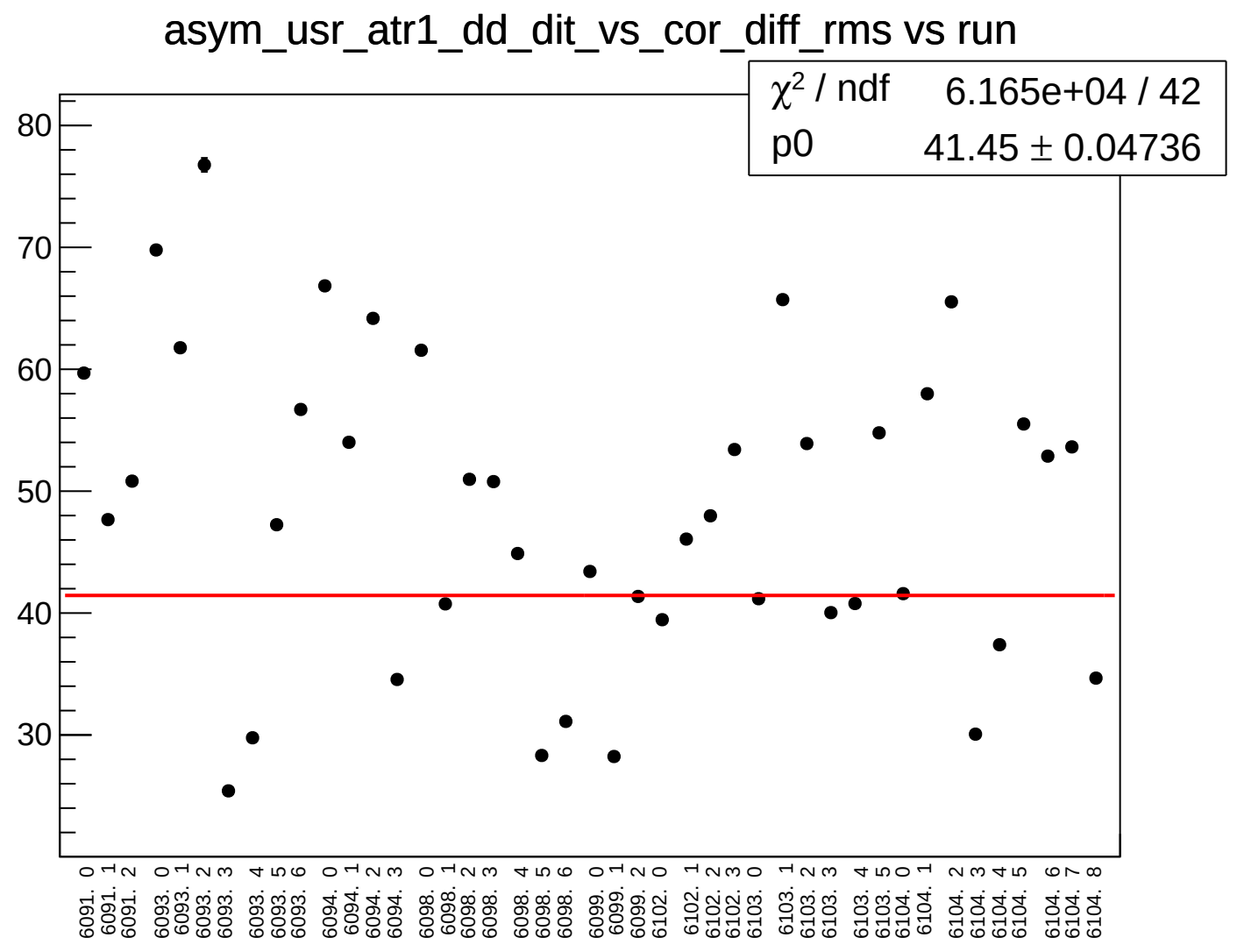

asym_usr_atr1_dd_reg_vs_cor_diff_mean vs run
χ² / ndf 43.99 / 42
p0 6.791e−14 ± 1.119e−13
0.02
0.015
0.01
0.005
0
−0.005
−0.01
−0.015
−0.02
−0.025
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 13.38
Std Dev 13.18
1.5
1
0.5
0
−0.5
−1
−1.5
−2

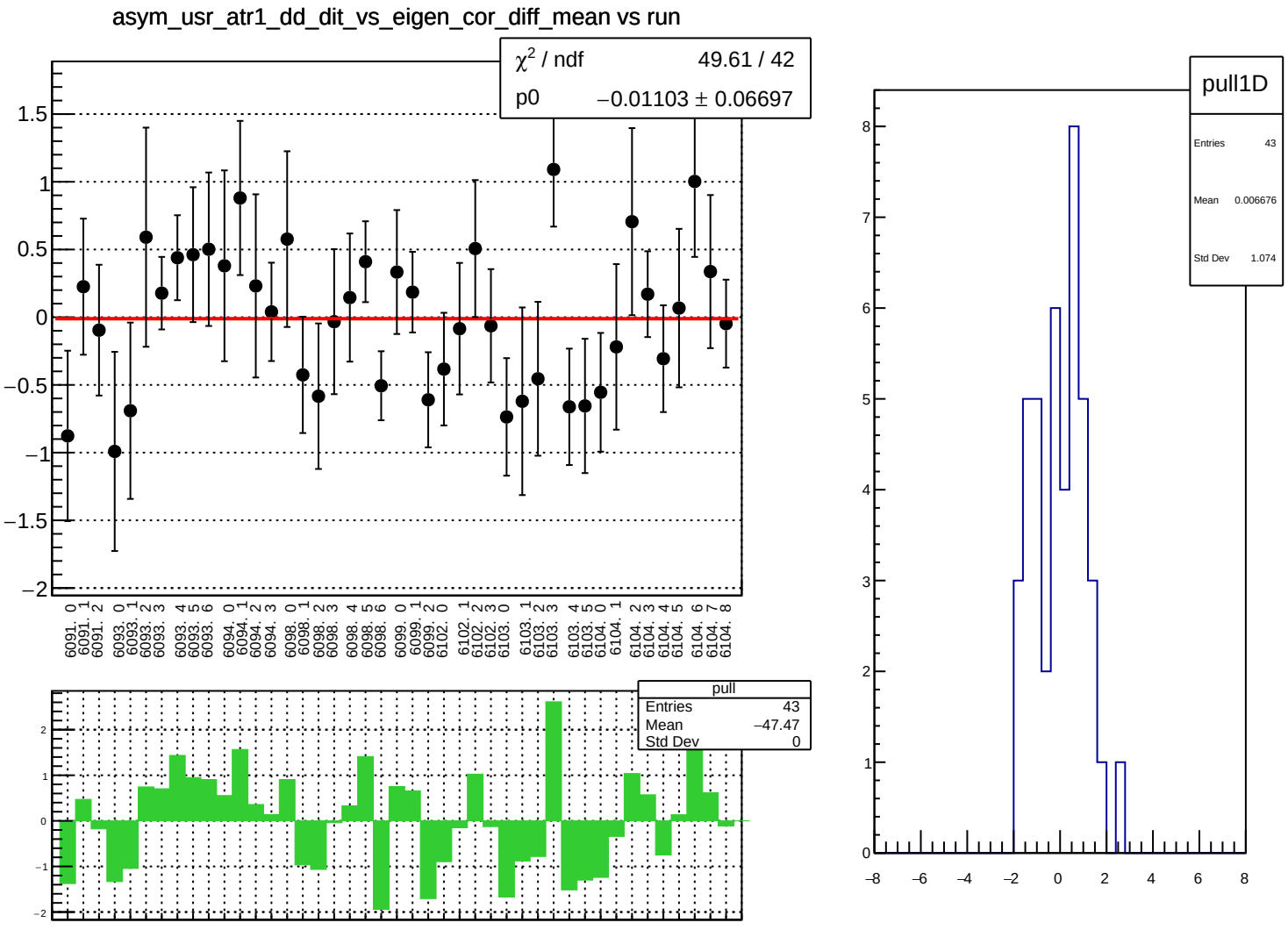

pull1D
Entries 43
Mean −0.236
Std Dev 0.9835
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

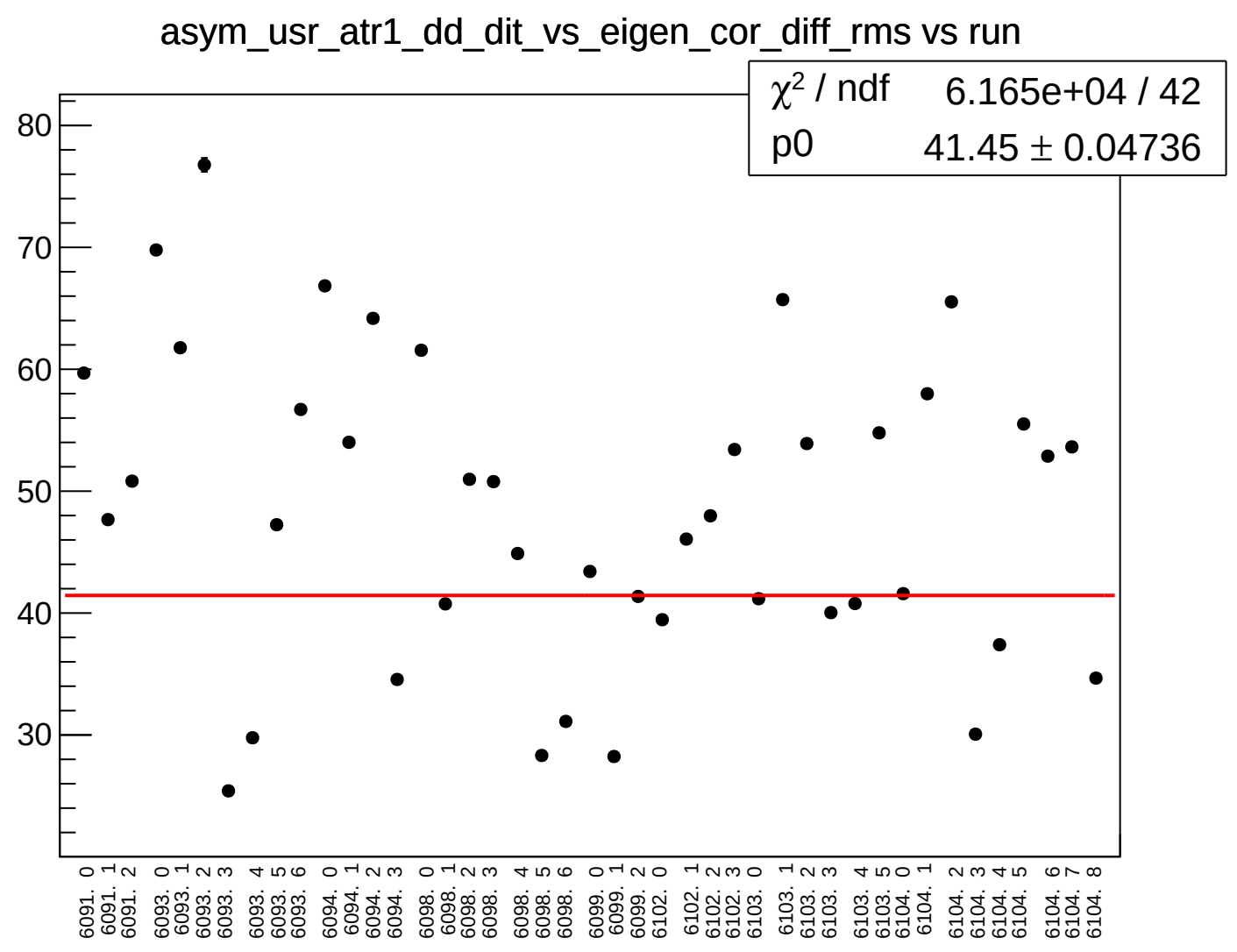

asym_usr_atr1_dd_reg_vs_cor_diff_rms vs run
χ² / ndf 5.166e+05 / 42
p0 4.411e−11 ± 7.91e−14
1.2
1
0.8
0.6
0.4
0.2
0
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

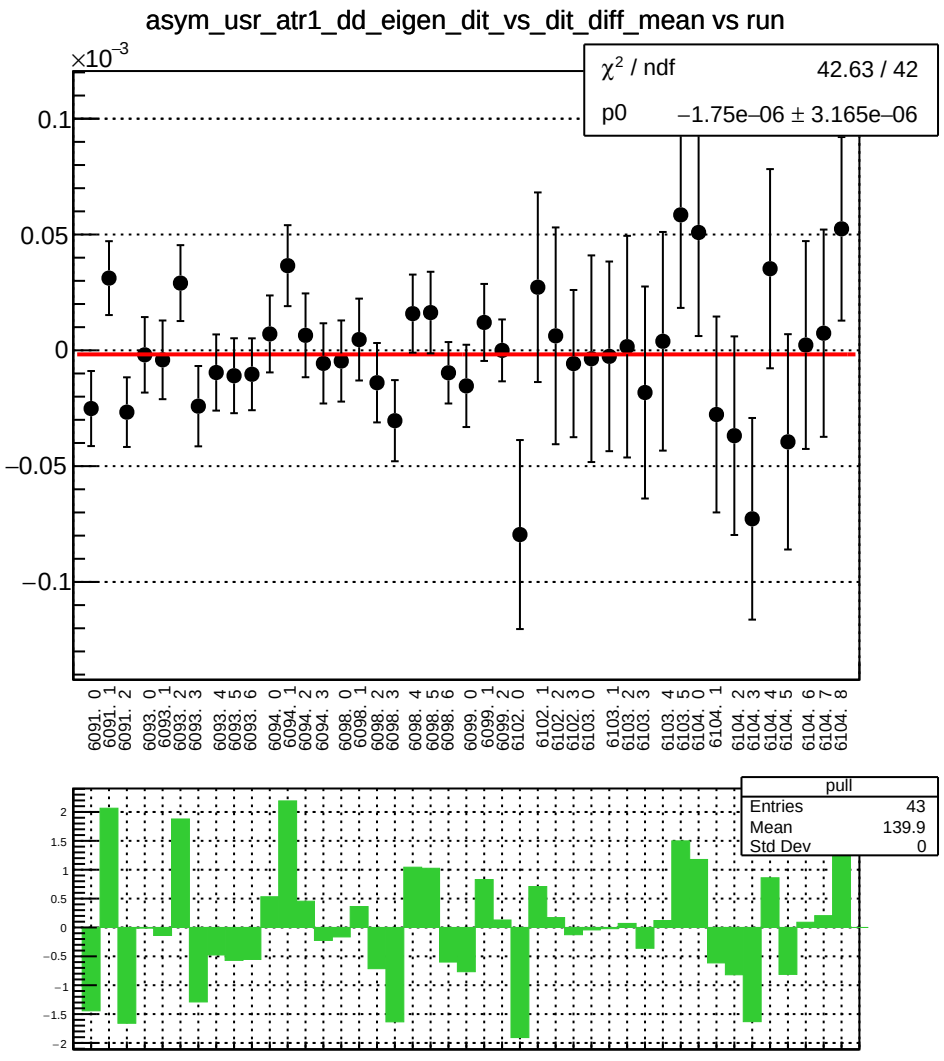

asym_usr_atr1_dd_dit_vs_cor_diff_mean vs run
χ² / ndf 49.61 / 42
p0 −0.01103 ± 0.06697
pull
Entries 43
Mean −47.47
Std Dev 0

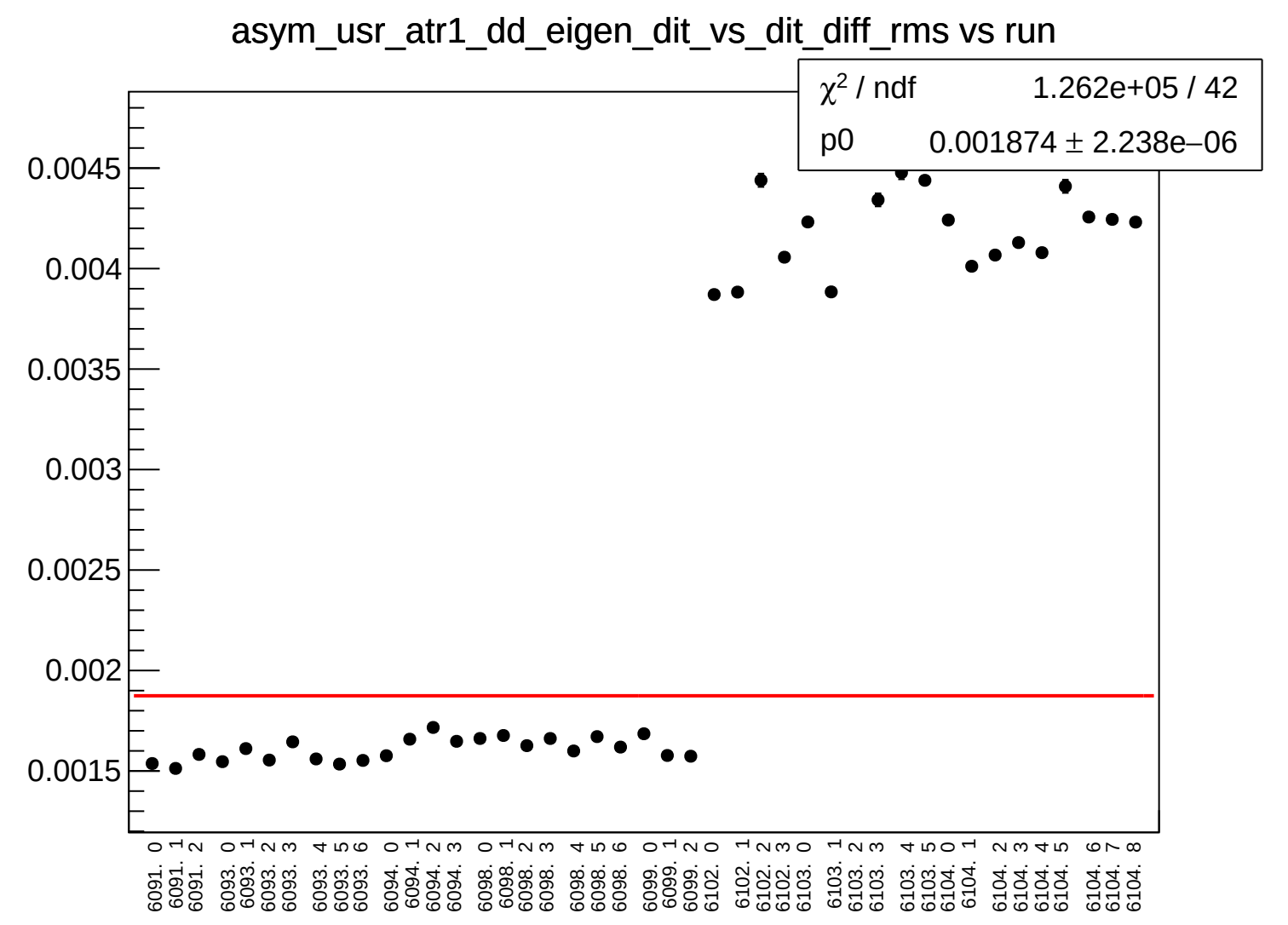

pull1D
Entries 43
Mean 0.006676
Std Dev 1.074

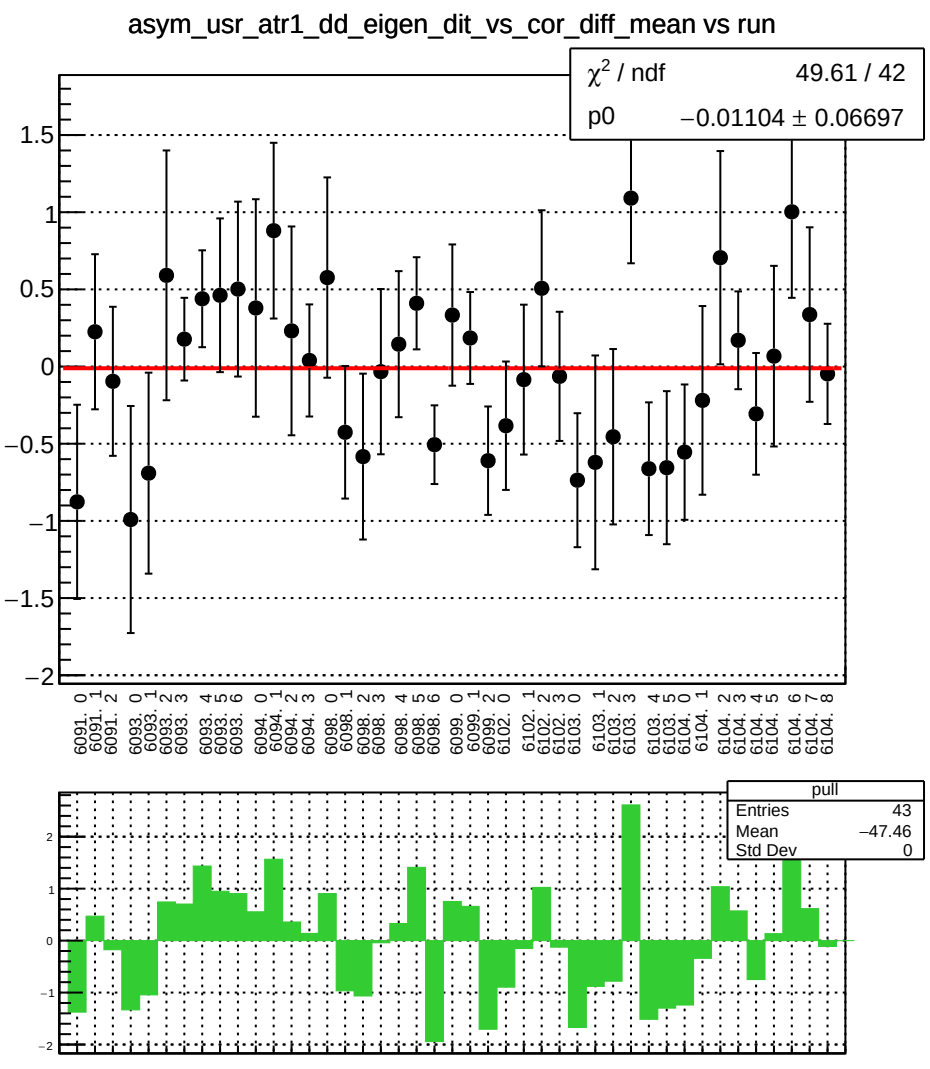

asym_usr_atr1_dd_dit_vs_cor_diff_rms vs run
χ² / ndf 6.165e+04 / 42
p0 41.45 ± 0.04736
80
70
60
50
40
30
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

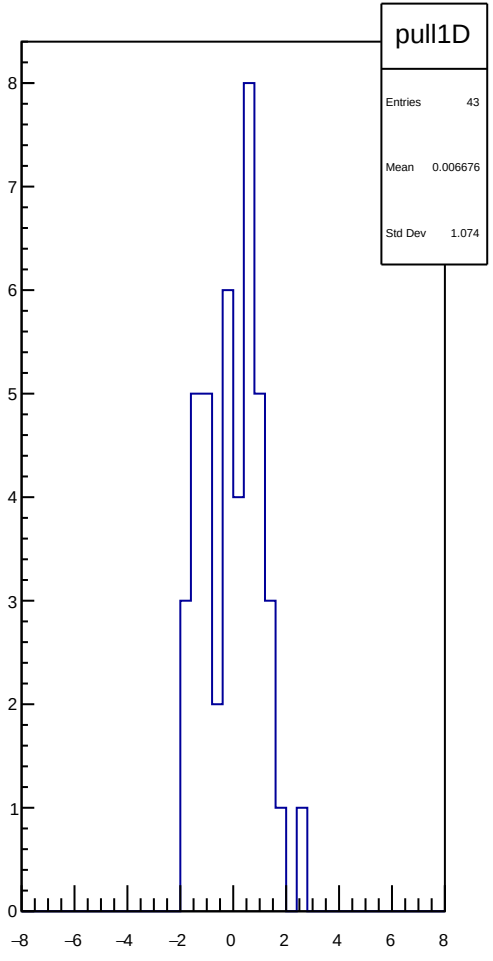

asym_usr_atr1_dd_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 49.61 / 42
p0 −0.01103 ± 0.06697
1.5
1
0.5
0
−0.5
−1
−1.5
−2
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean −47.47
Std Dev 0
2
1
0
−1
−2
pull1D
Entries 43
Mean 0.006676
Std Dev 1.074
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

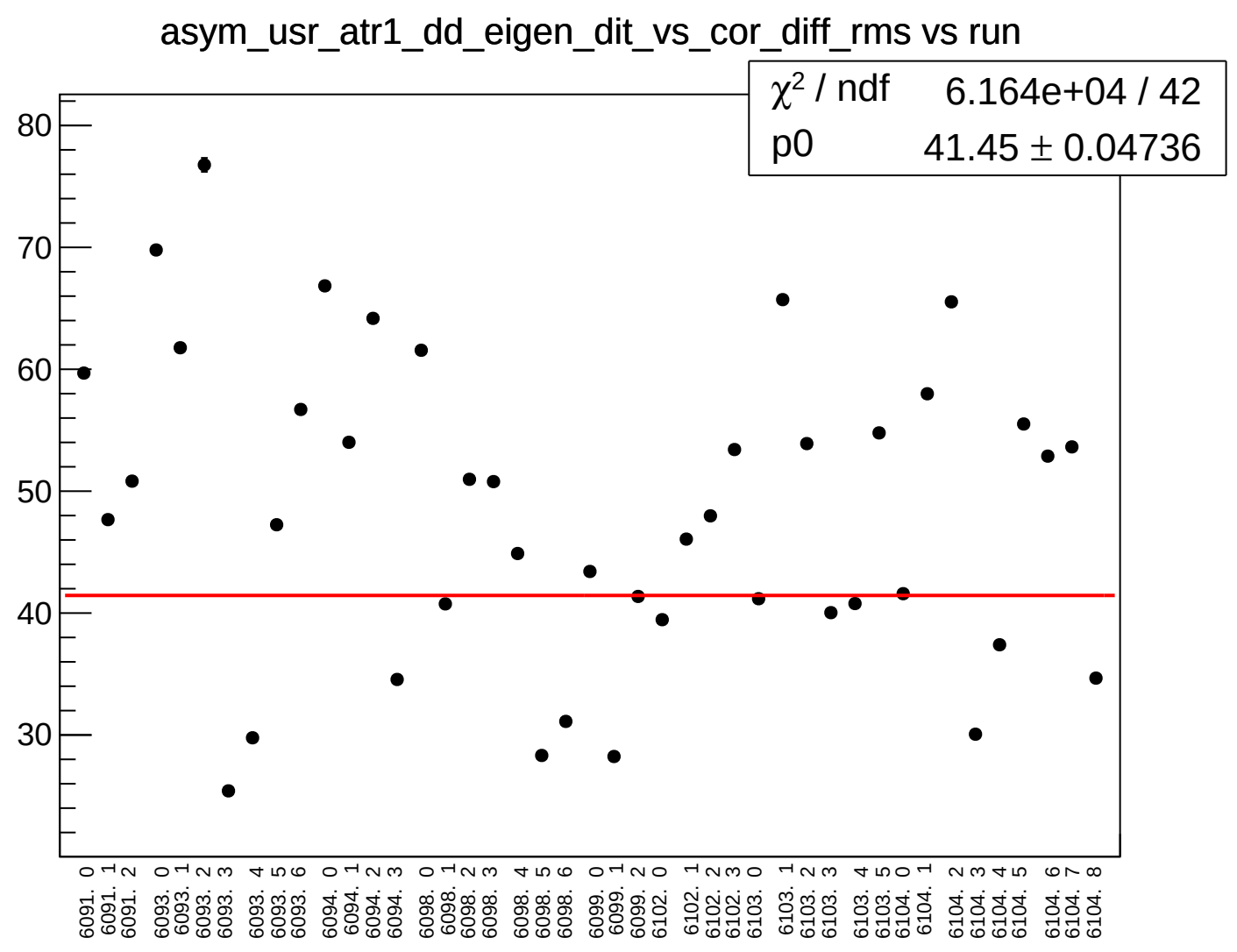

asym_usr_atr1_dd_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 6.165e+04 / 42
p0 41.45 ± 0.04736
80
70
60
50
40
30
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

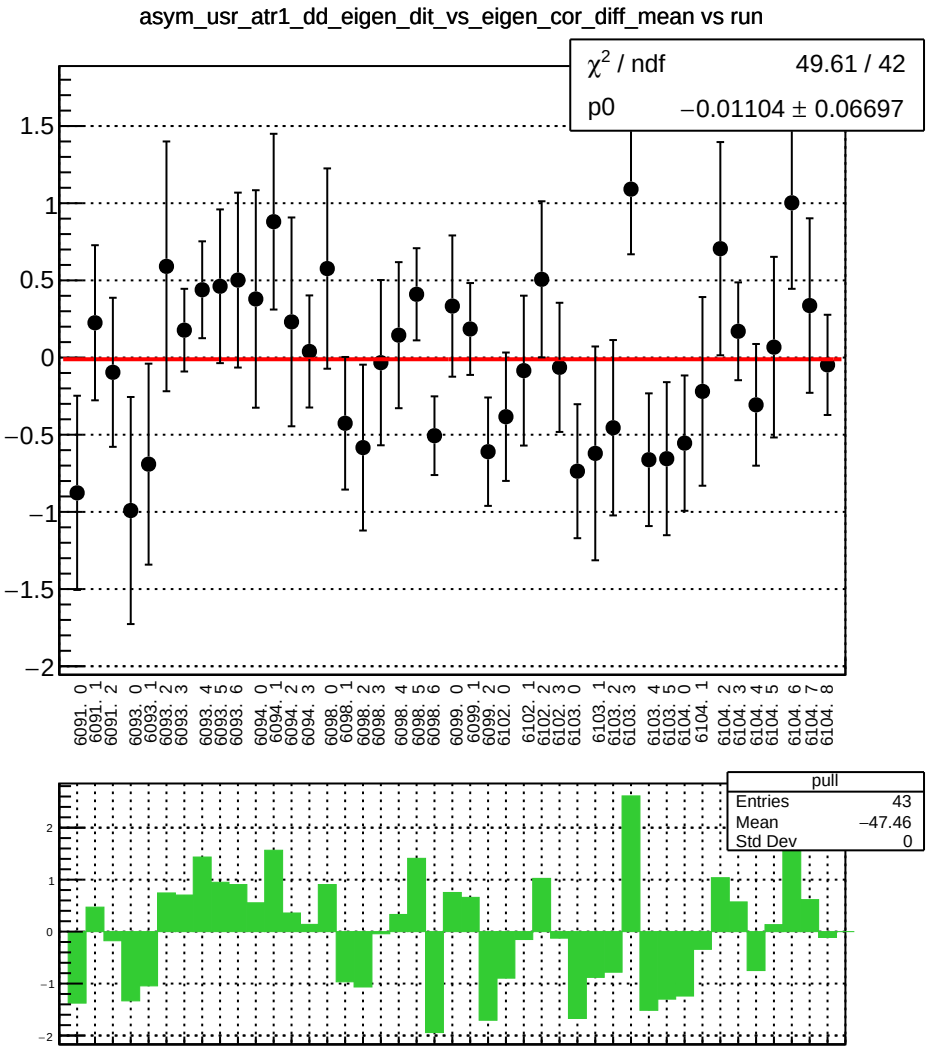

asym_usr_atr1_dd_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 42.63 / 42
p0 −1.75e−06 ± 3.165e−06
0.1
0.05
0
−0.05
−0.1
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 139.9
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 43
Mean 0.004828
Std Dev 0.9956
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

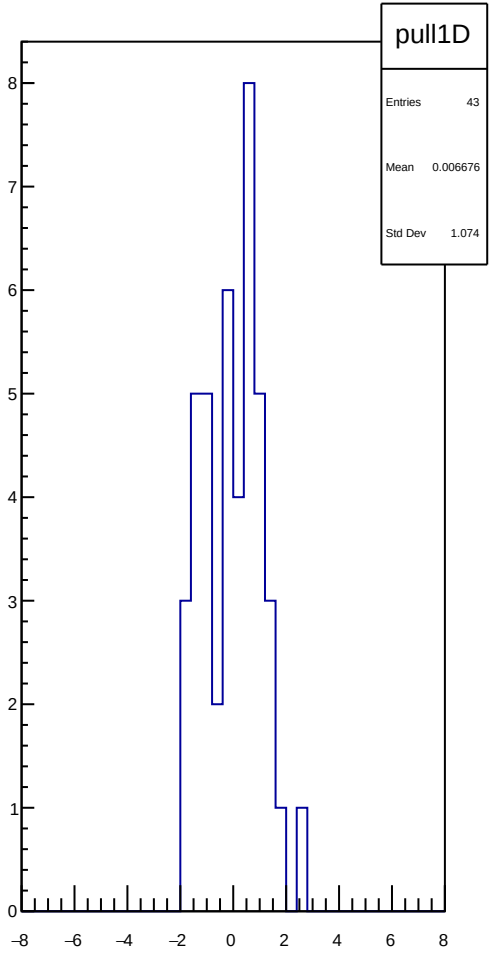

asym_usr_atr1_dd_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 1.262e+05 / 42
p0 0.001874 ± 2.238e−06
0.0045
0.004
0.0035
0.003
0.0025
0.002
0.0015
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

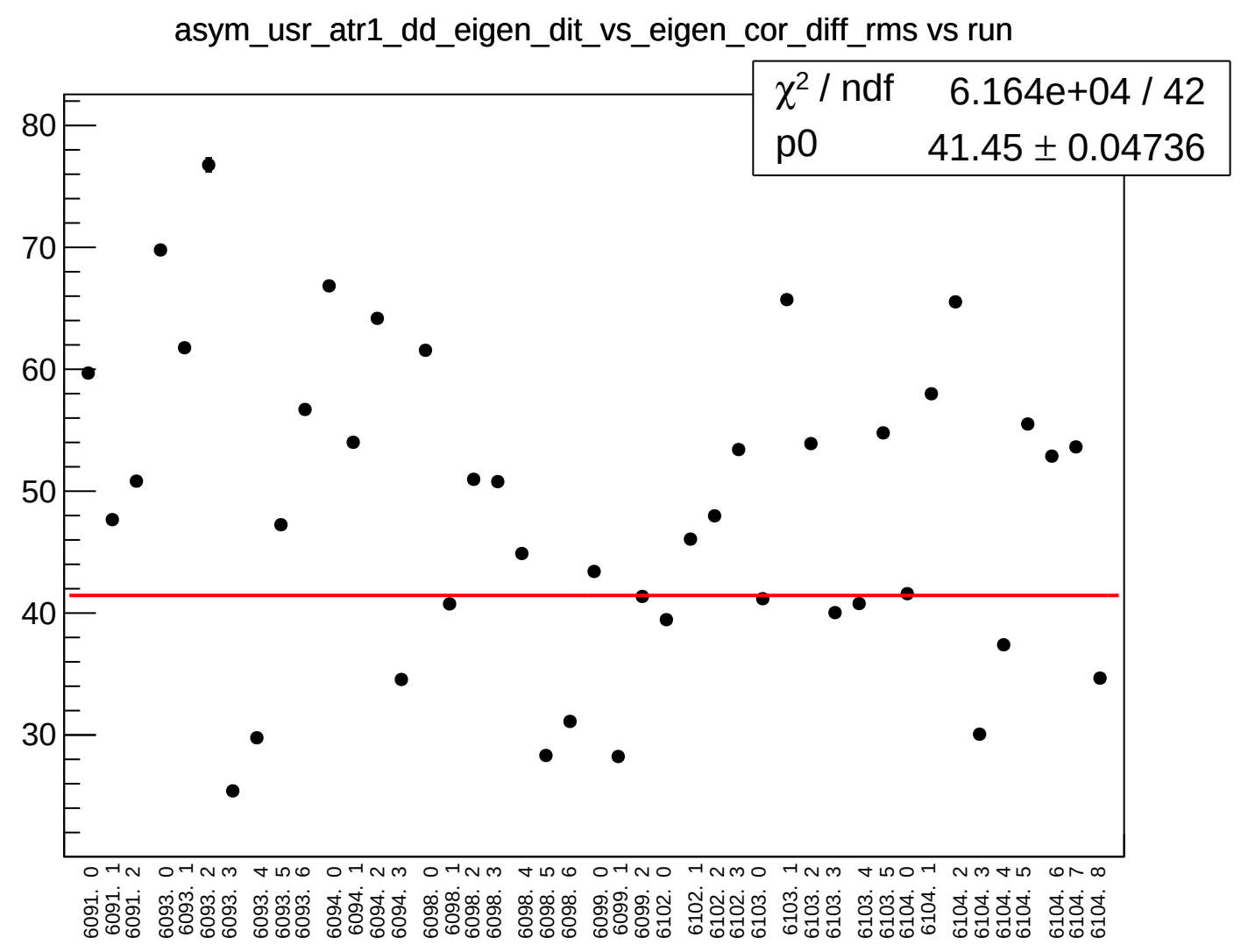

asym_usr_atr1_dd_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 49.61 / 42
p0 −0.01104 ± 0.06697
pull
Entries 43
Mean −47.46
Std Dev 0

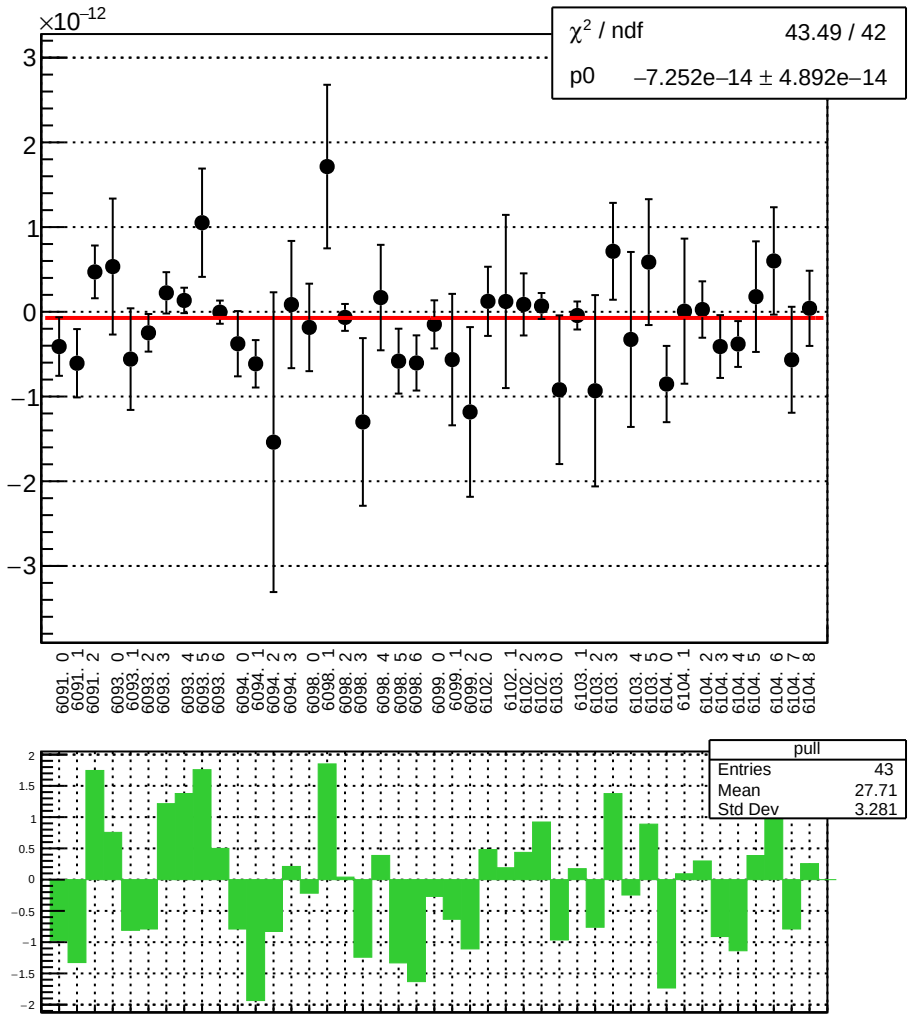

pull1D
Entries 43
Mean 0.006676
Std Dev 1.074

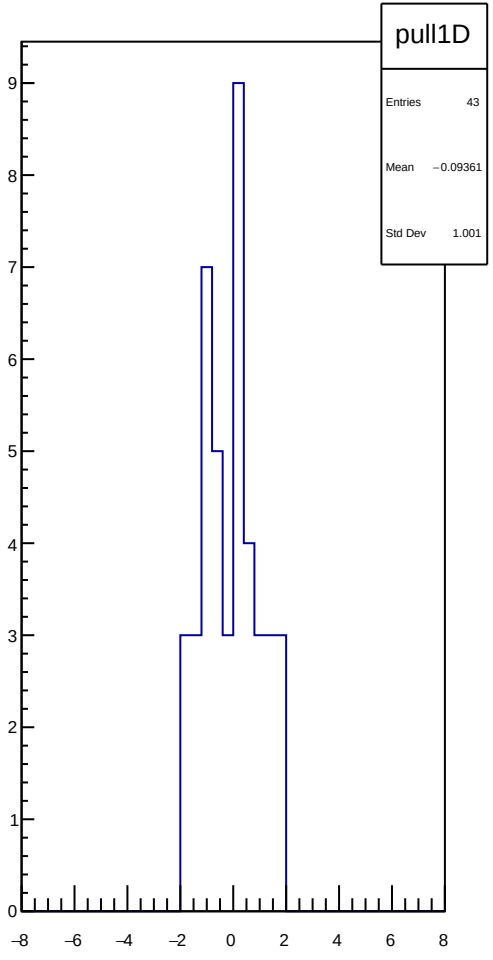

asym_usr_atr1_dd_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 6.164e+04 / 42
p0 41.45 ± 0.04736
80
70
60
50
40
30
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

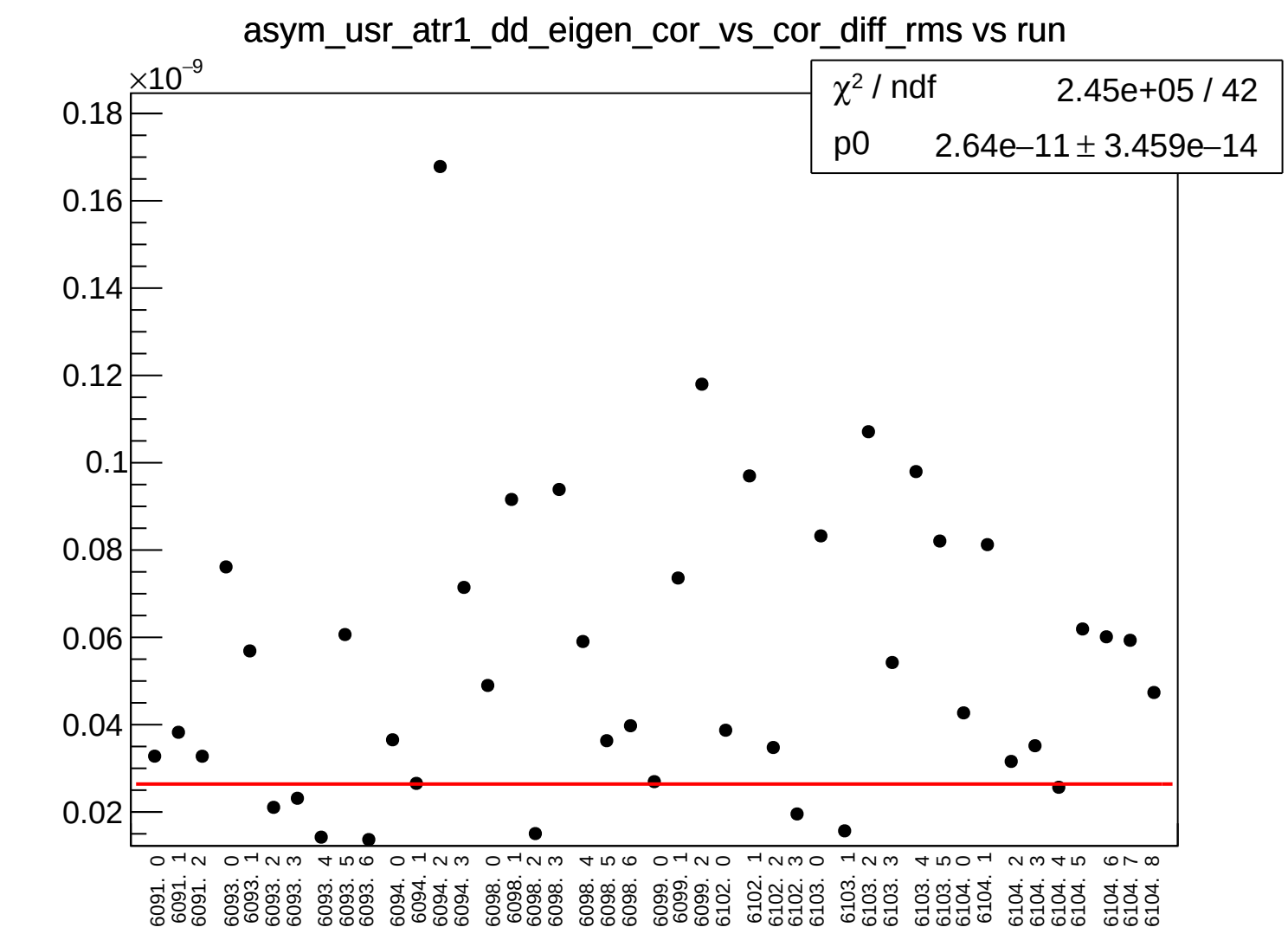

asym_usr_atr1_dd_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 49.61 / 42
p0 −0.01104 ± 0.06697
pull
Entries 43
Mean −47.46
Std Dev 0

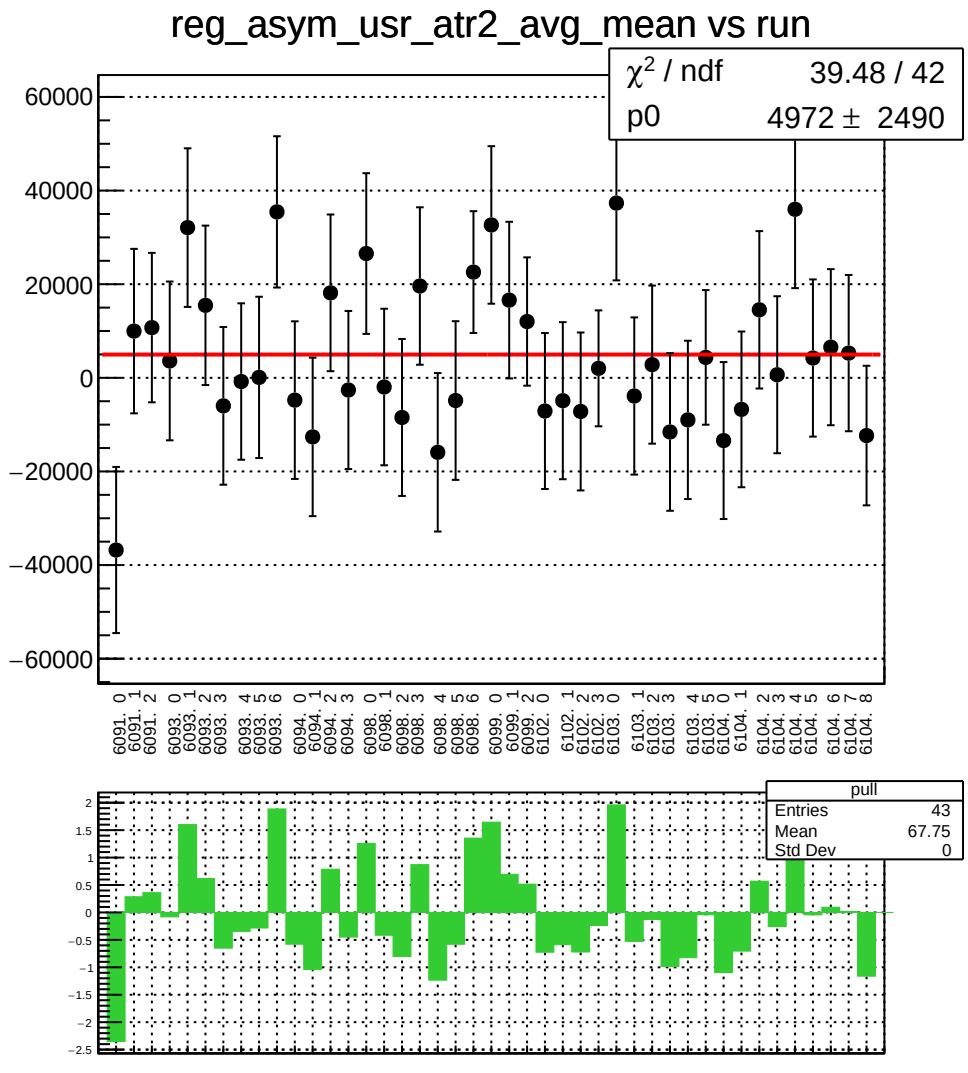

pull1D
Entries 43
Mean 0.006676
Std Dev 1.074

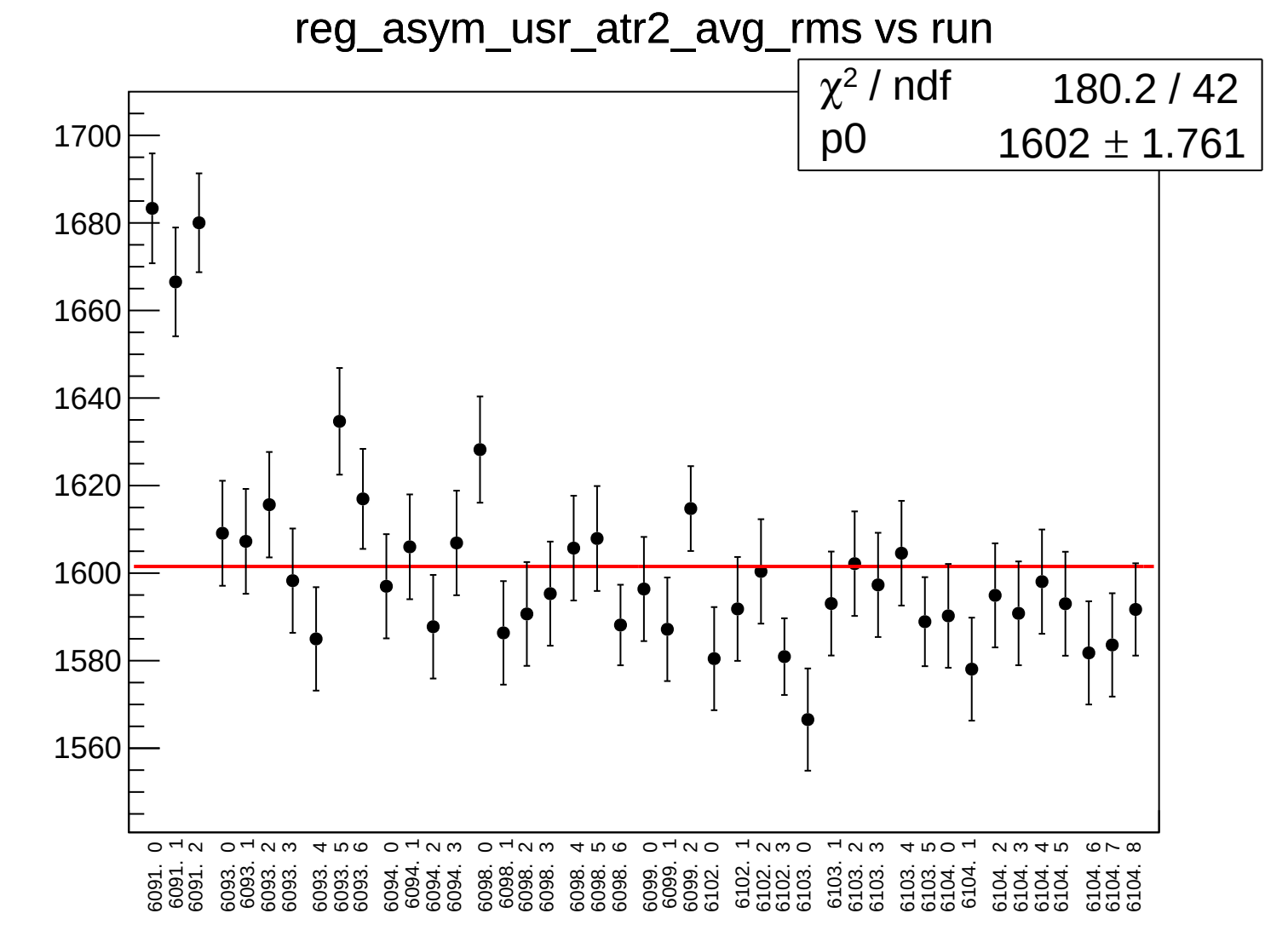

asym_usr_atr1_dd_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 6.164e+04 / 42
p0 41.45 ± 0.04736
80
70
60
50
40
30
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

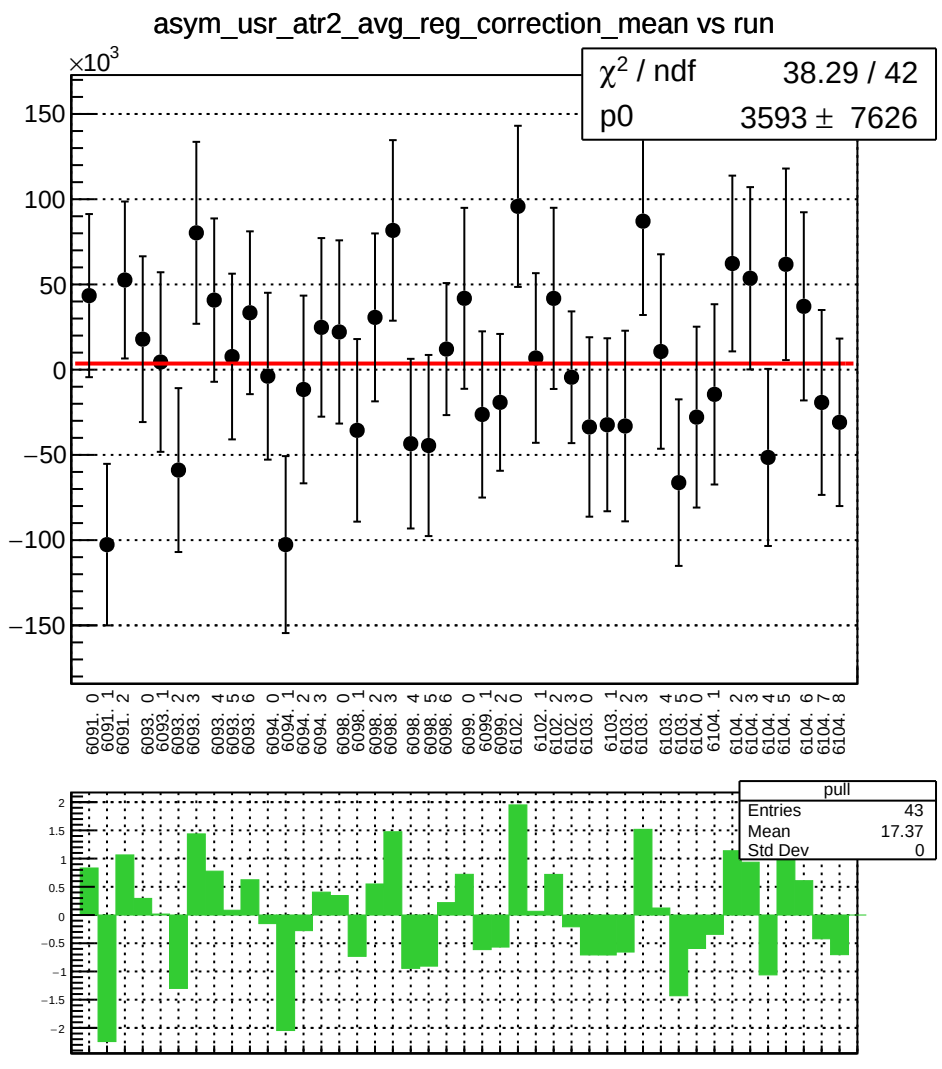

asym_usr_atr1_dd_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 43.49 / 42
p0 −7.252e−14 ± 4.892e−14
pull
Entries 43
Mean 27.71
Std Dev 3.281

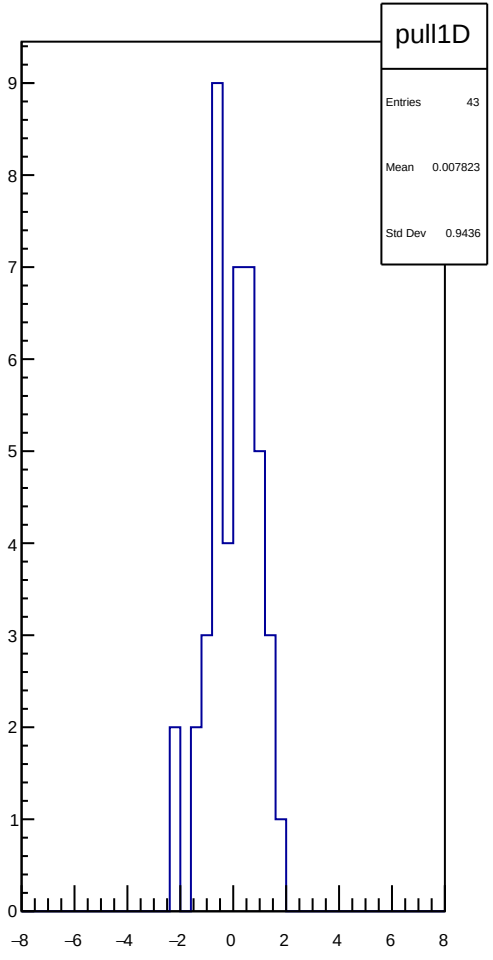

pull1D
Entries 43
Mean −0.09361
Std Dev 1.001

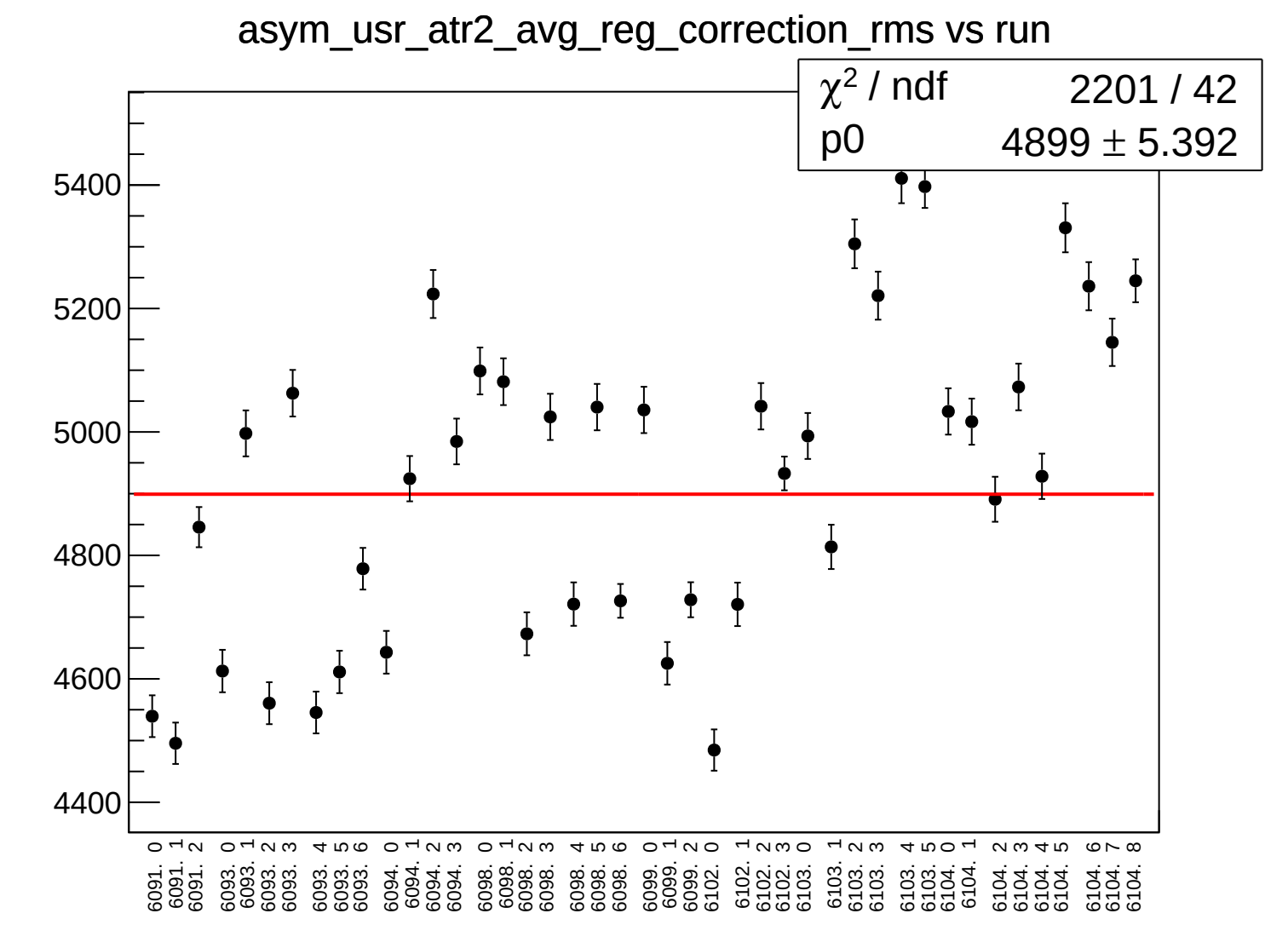

asym_usr_atr1_dd_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 2.45e+05 / 42
p0 2.64e−11 ± 3.459e−14
0.18
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

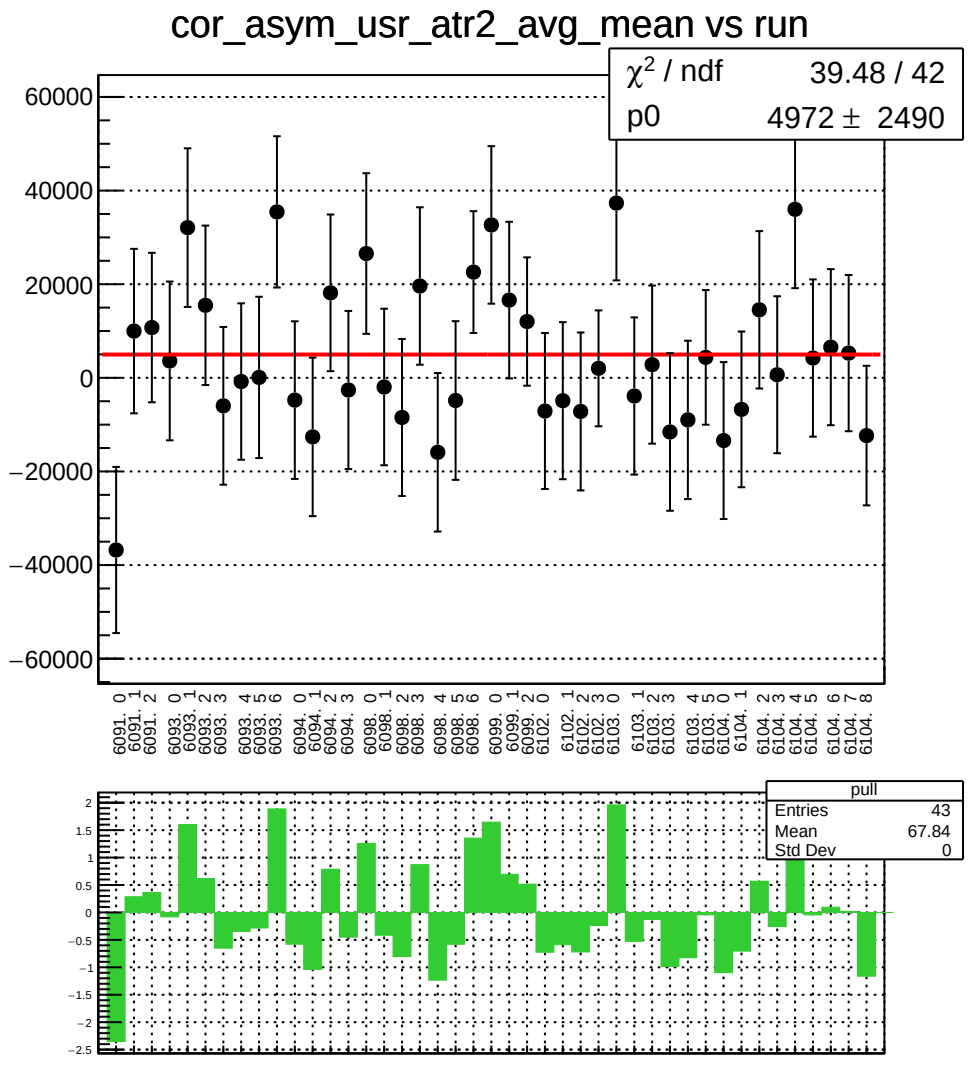

reg_asym_usr_atr2_avg_mean vs run
χ² / ndf 39.48 / 42
p0 4972 ± 2490
60000
40000
20000
0
−20000
−40000
−60000
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 67.75
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5
pull1D
Entries 43
Mean −0.01128
Std Dev 0.9582
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

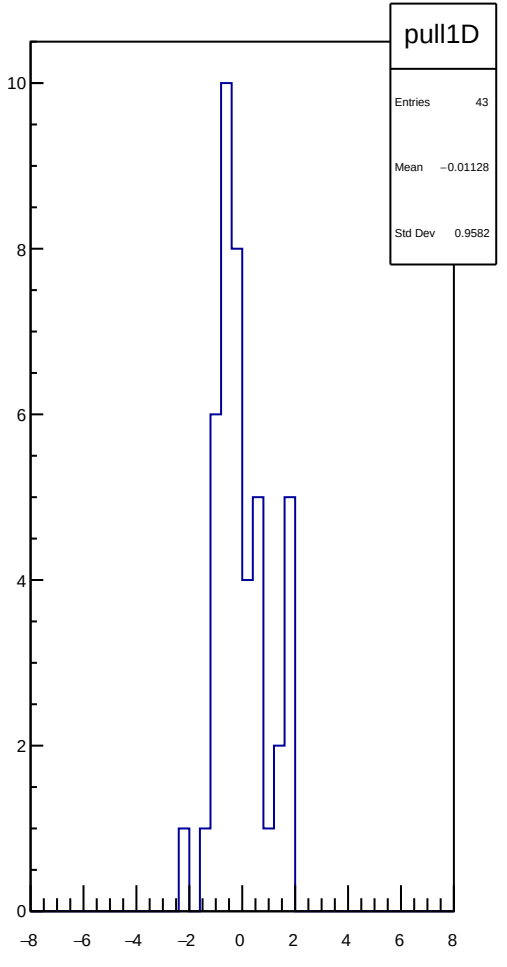

reg_asym_usr_atr2_avg_rms vs run
χ² / ndf 180.2 / 42
p0 1602 ± 1.761
1700
1680
1660
1640
1620
1600
1580
1560
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

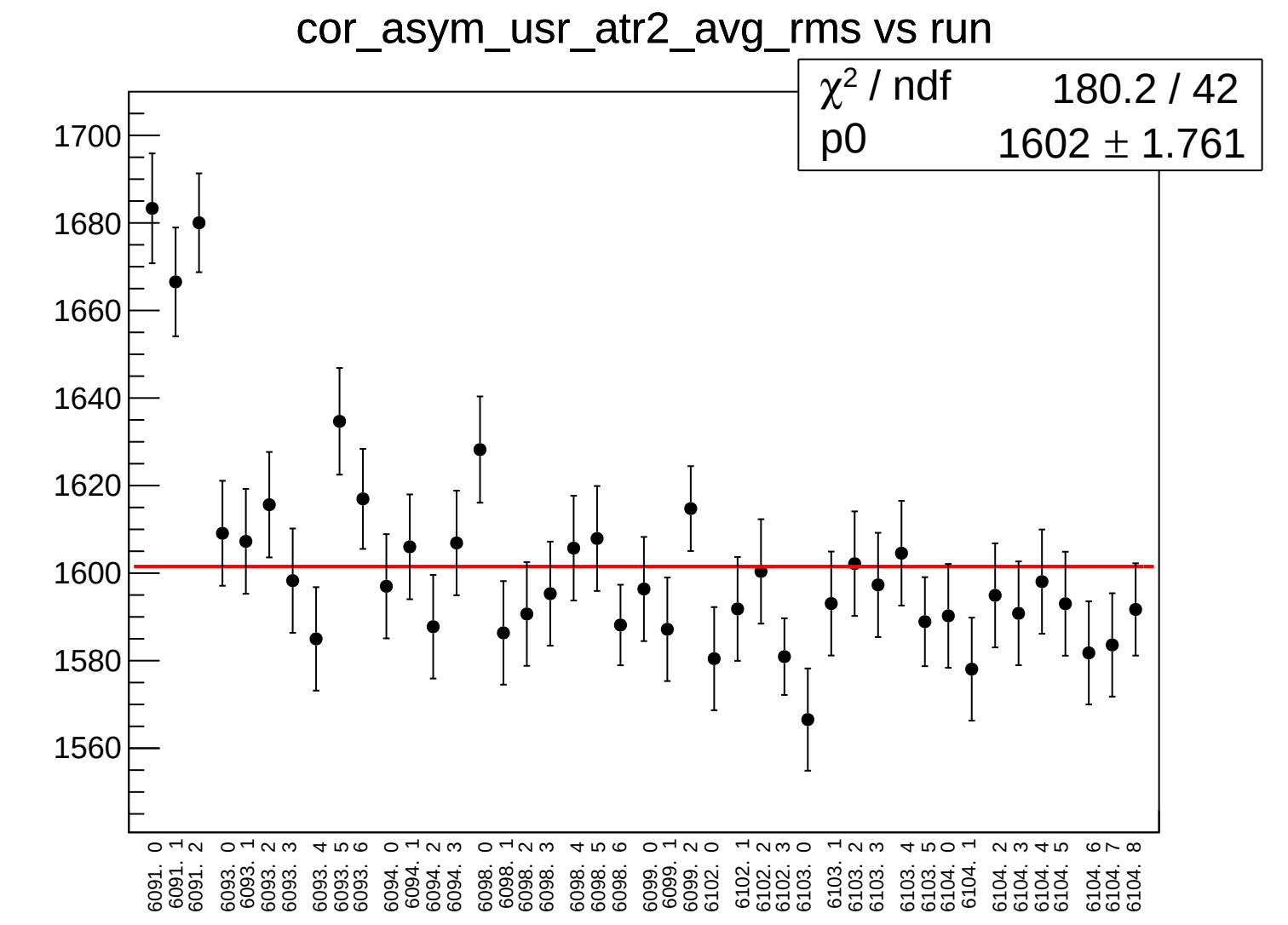

asym_usr_atr2_avg_reg_correction_mean vs run
×10^3
χ² / ndf 38.29 / 42
p0 3593 ± 7626
150
100
50
0
−50
−100
−150
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 17.37
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

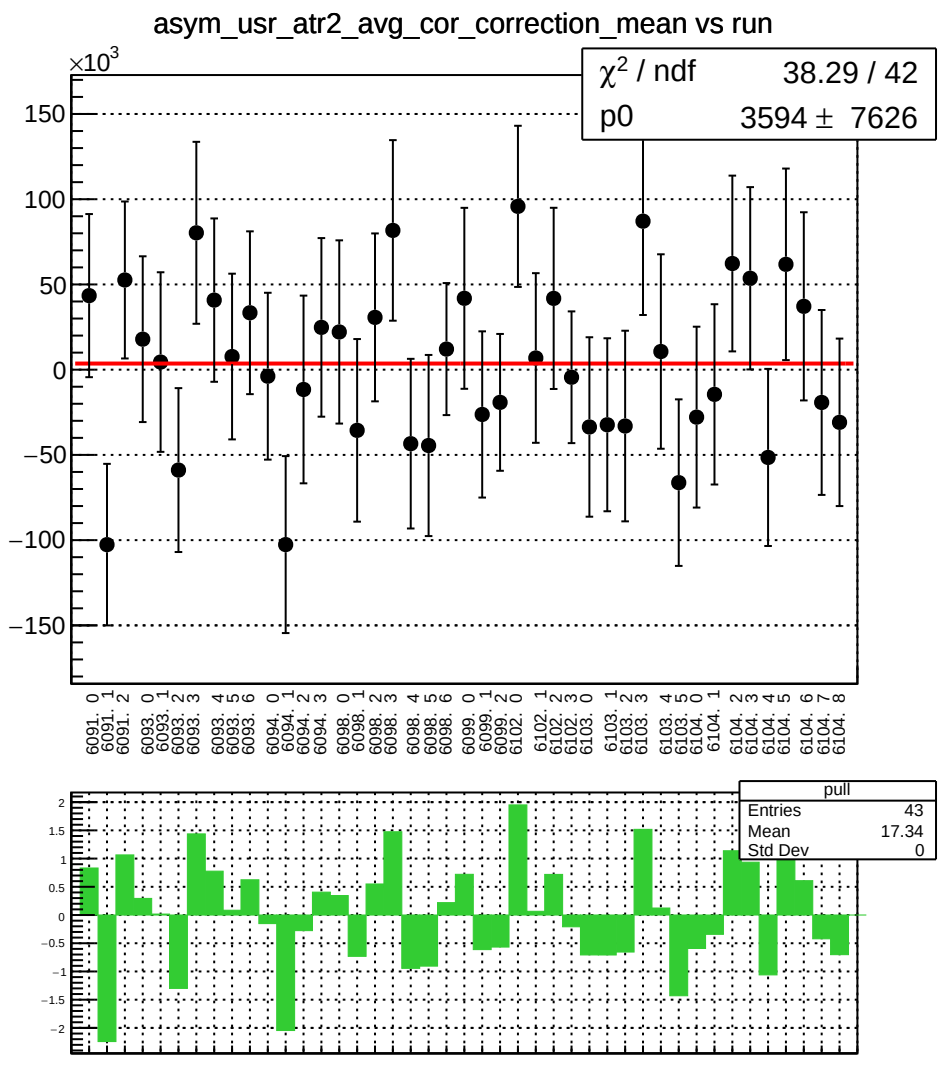

pull1D
Entries 43
Mean 0.007823
Std Dev 0.9436
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

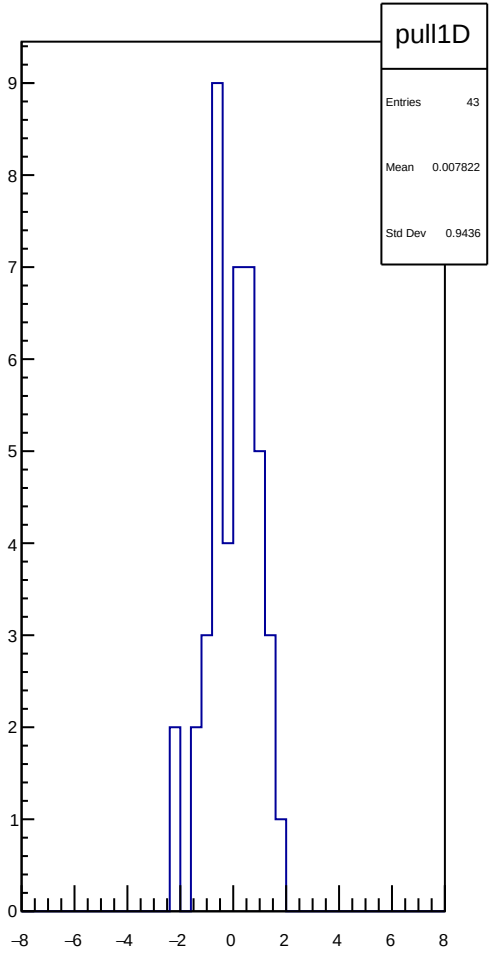

asym_usr_atr2_avg_reg_correction_rms vs run
χ² / ndf 2201 / 42
p0 4899 ± 5.392
5400
5200
5000
4800
4600
4400
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

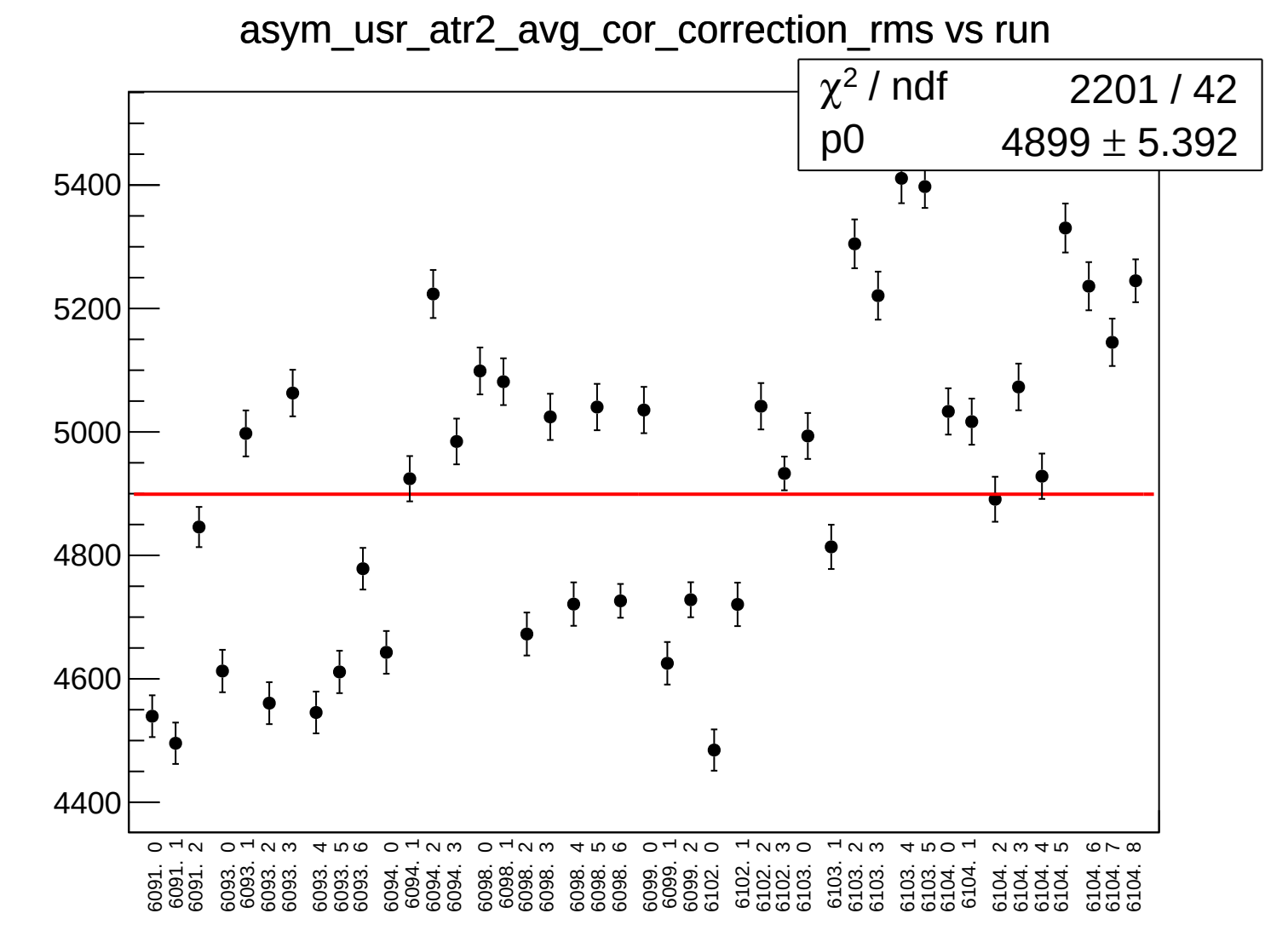

cor_asym_usr_atr2_avg_mean vs run
χ² / ndf 39.48 / 42
p0 4972 ± 2490
60000
40000
20000
0
−20000
−40000
−60000
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 67.84
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

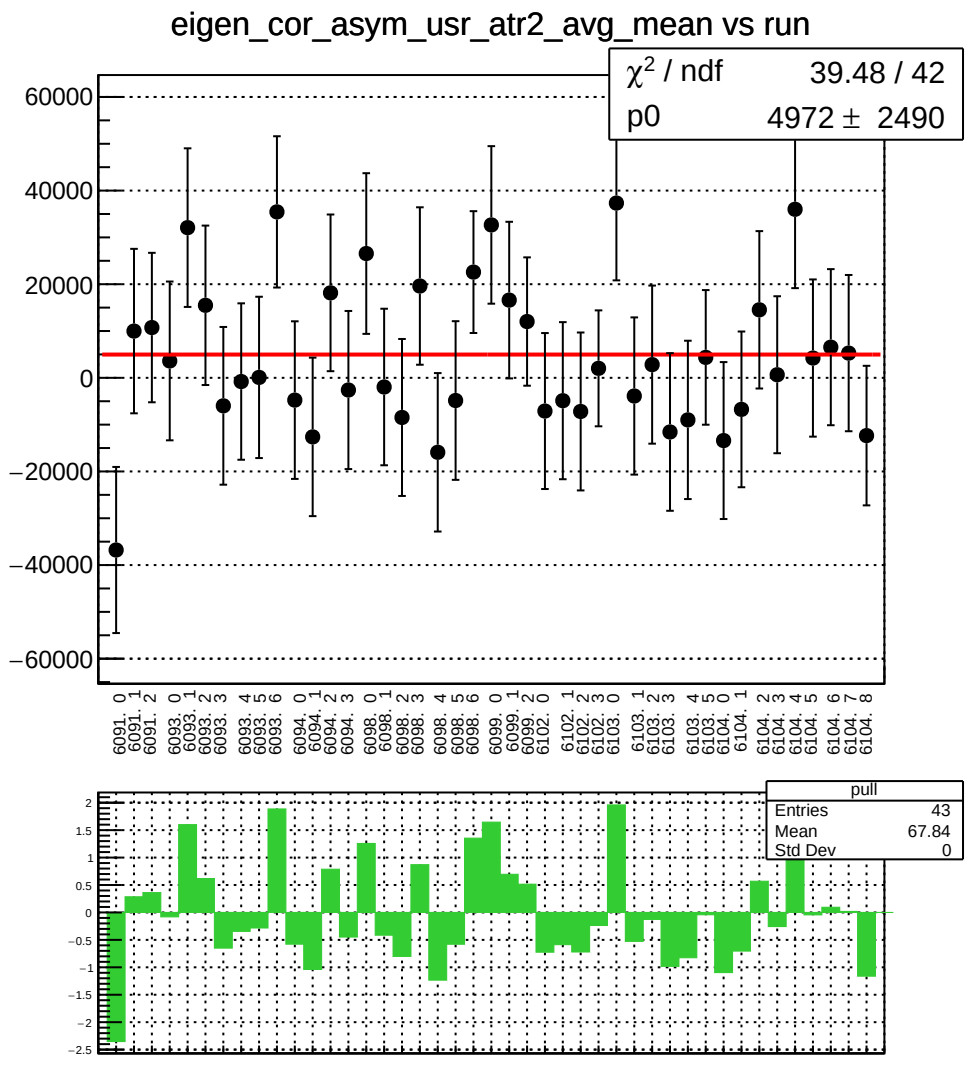

pull1D
Entries 43
Mean −0.01128
Std Dev 0.9582
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

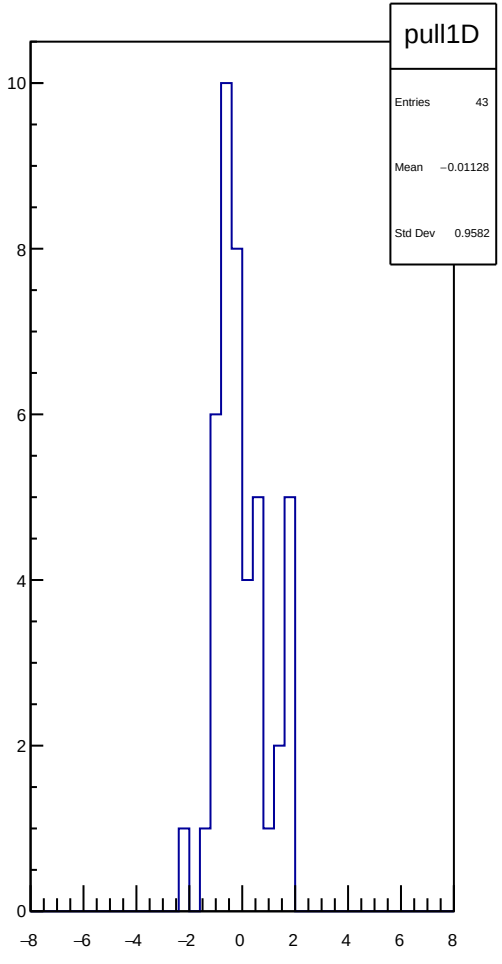

cor_asym_usr_atr2_avg_rms vs run
χ² / ndf 180.2 / 42
p0 1602 ± 1.761
1700
1680
1660
1640
1620
1600
1580
1560
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

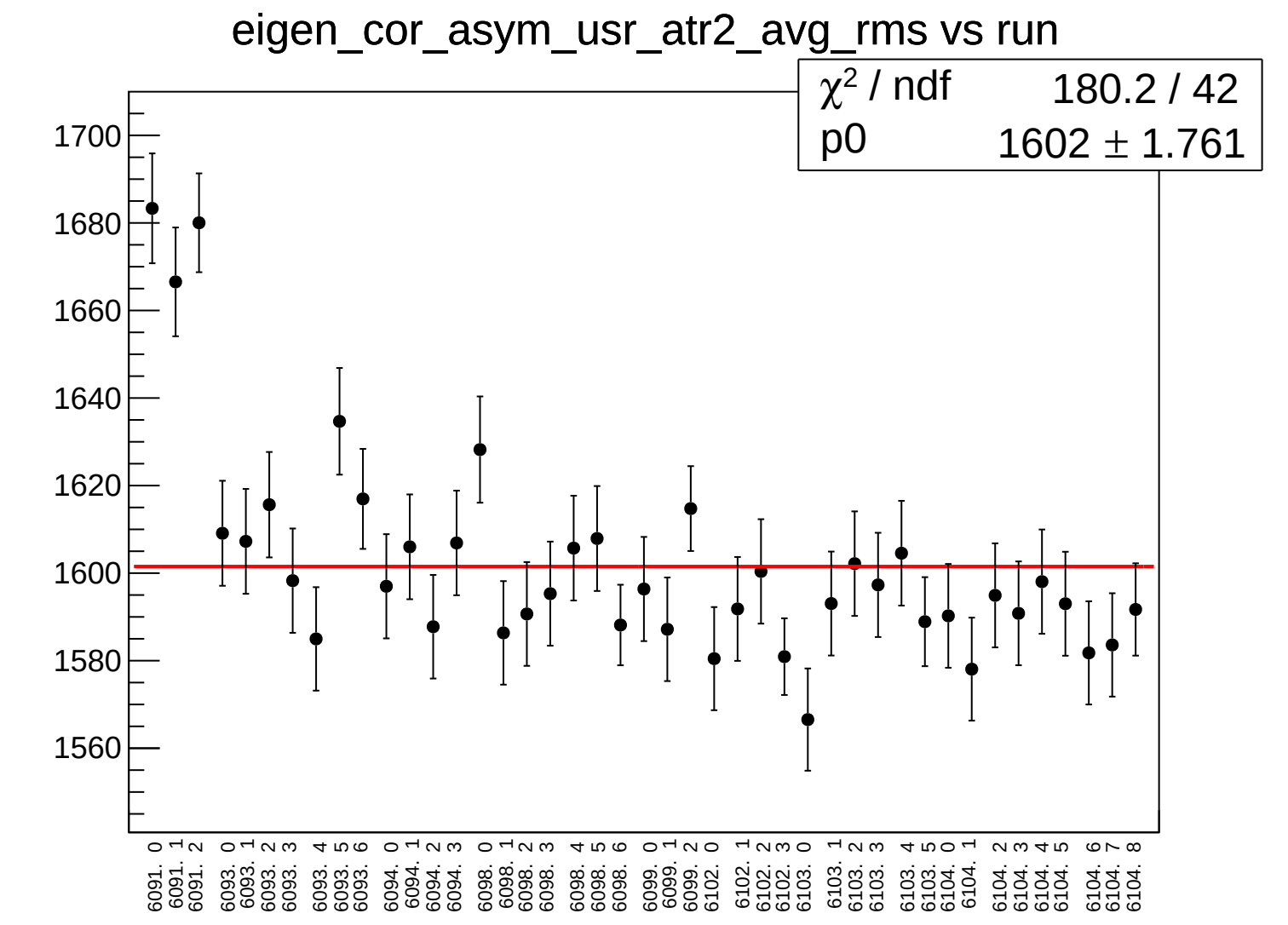

asym_usr_atr2_avg_cor_correction_mean vs run
×10^3
χ² / ndf 38.29 / 42
p0 3594 ± 7626
150
100
50
0
−50
−100
−150
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 17.34
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2


pull1D
Entries 43
Mean 0.007822
Std Dev 0.9436
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


asym_usr_atr2_avg_cor_correction_rms vs run
χ² / ndf 2201 / 42
p0 4899 ± 5.392
5400
5200
5000
4800
4600
4400
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8


eigen_cor_asym_usr_atr2_avg_mean vs run
χ² / ndf 39.48 / 42
p0 4972 ± 2490
60000
40000
20000
0
−20000
−40000
−60000
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 67.84
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5


pull1D
Entries 43
Mean −0.01128
Std Dev 0.9582
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


eigen_cor_asym_usr_atr2_avg_rms vs run
χ² / ndf 180.2 / 42
p0 1602 ± 1.761
1700
1680
1660
1640
1620
1600
1580
1560
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
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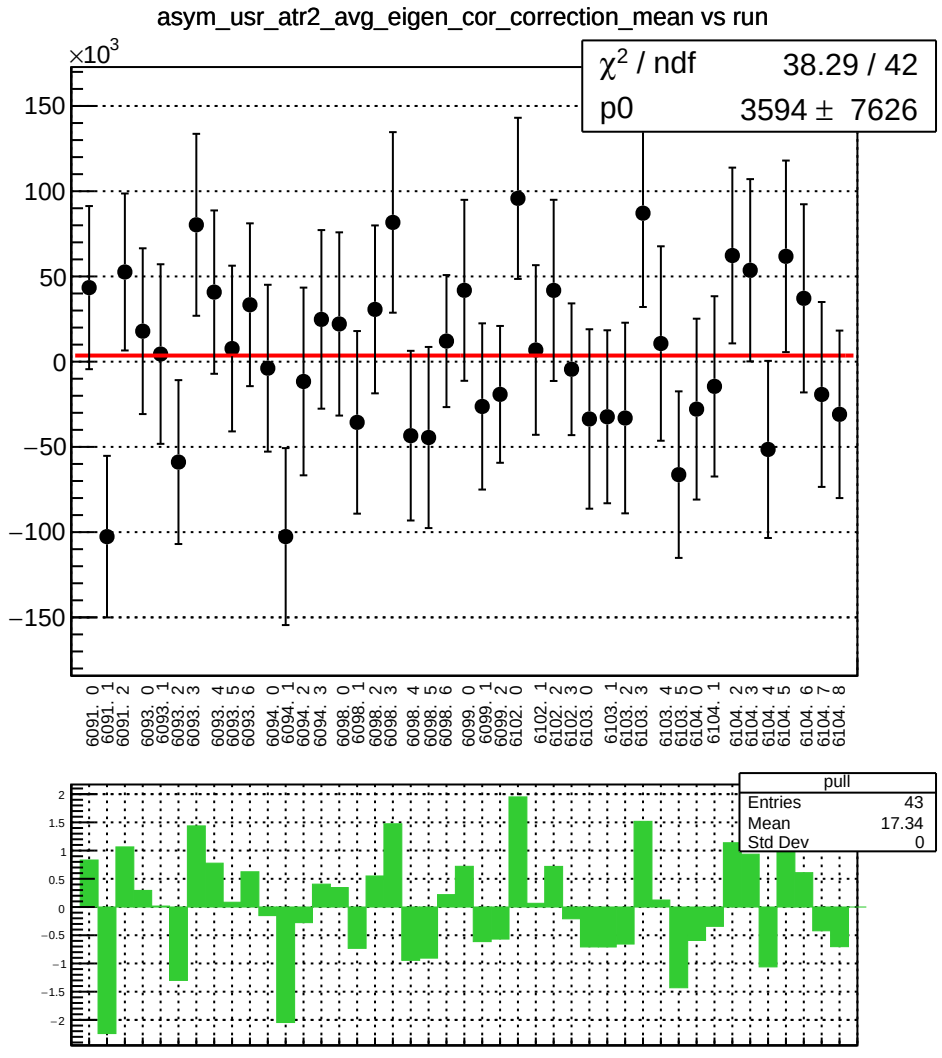
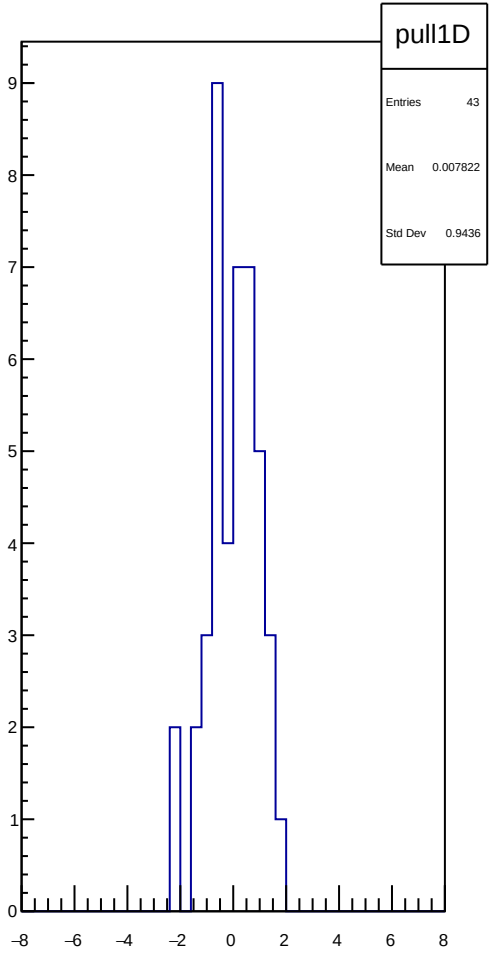
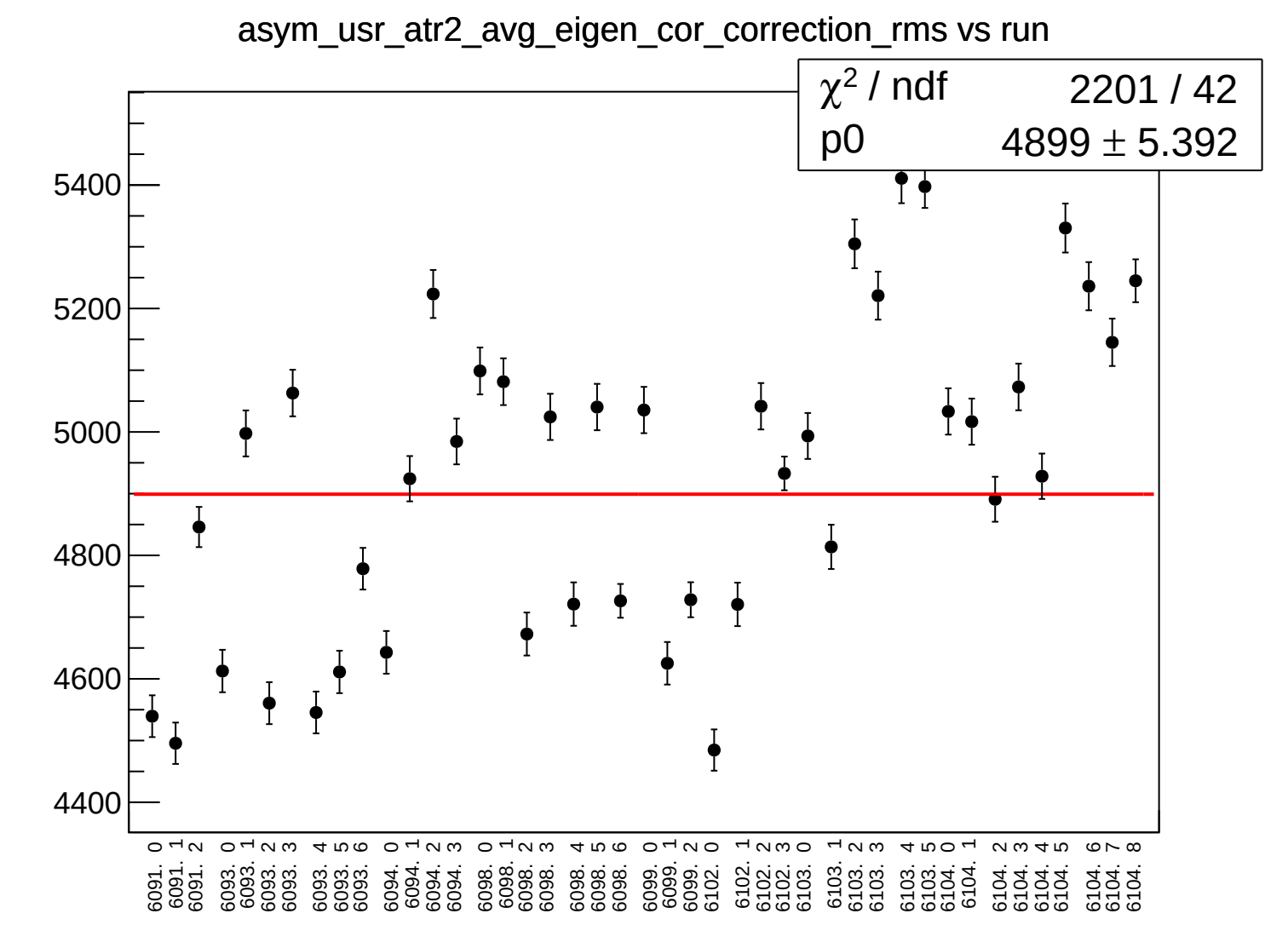
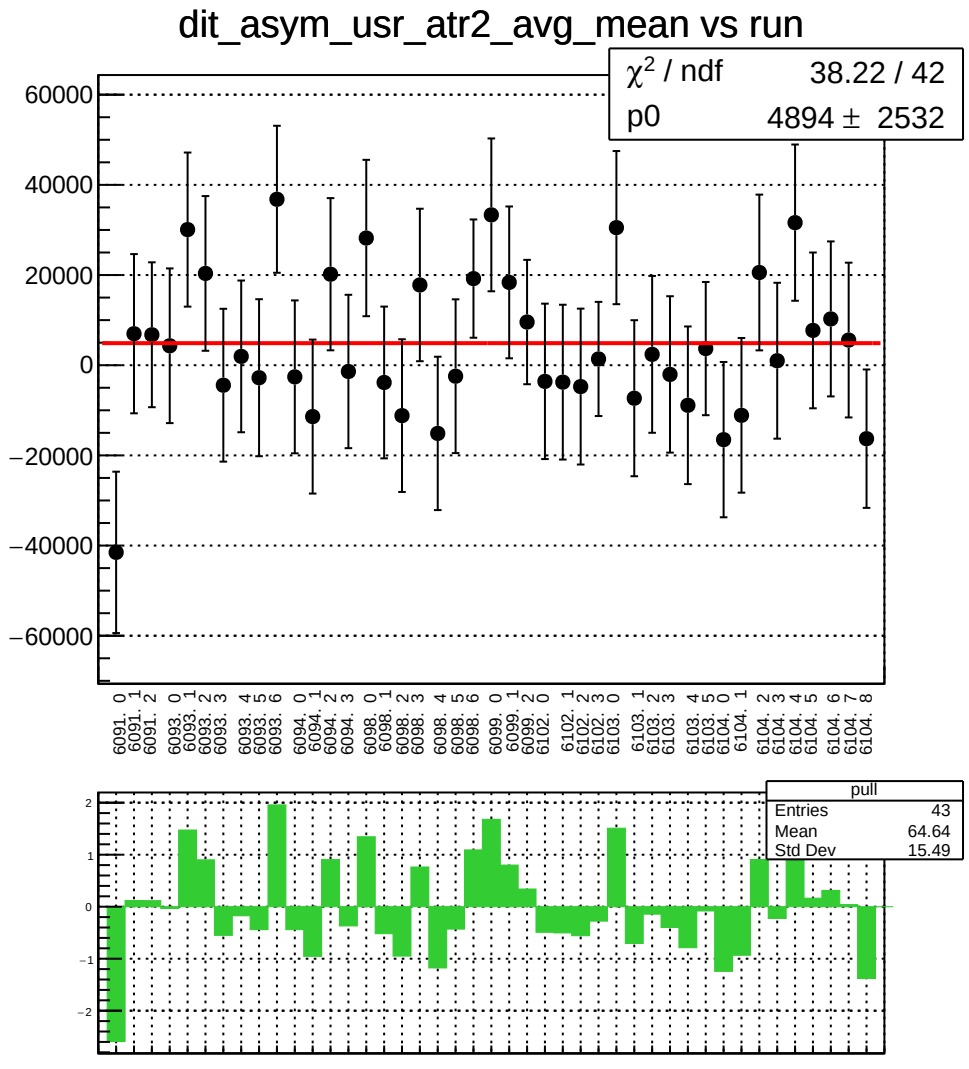
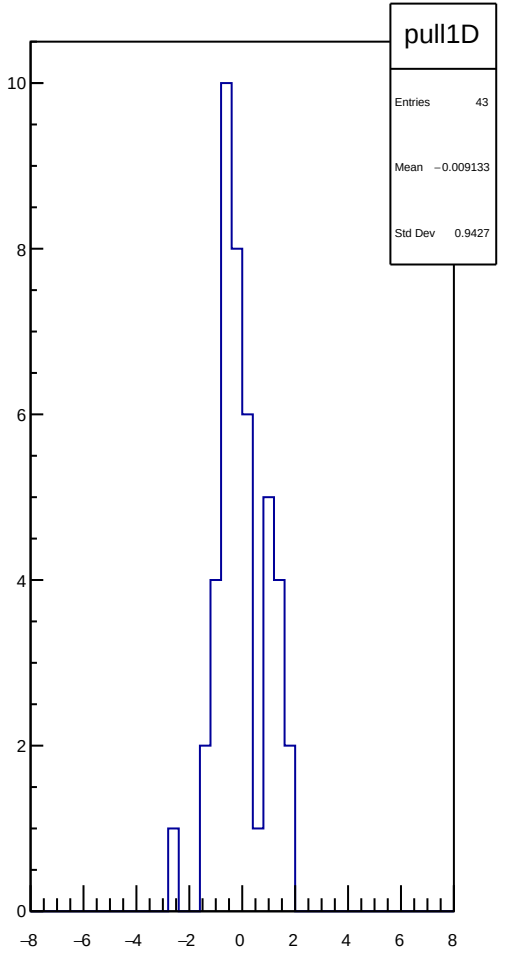
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

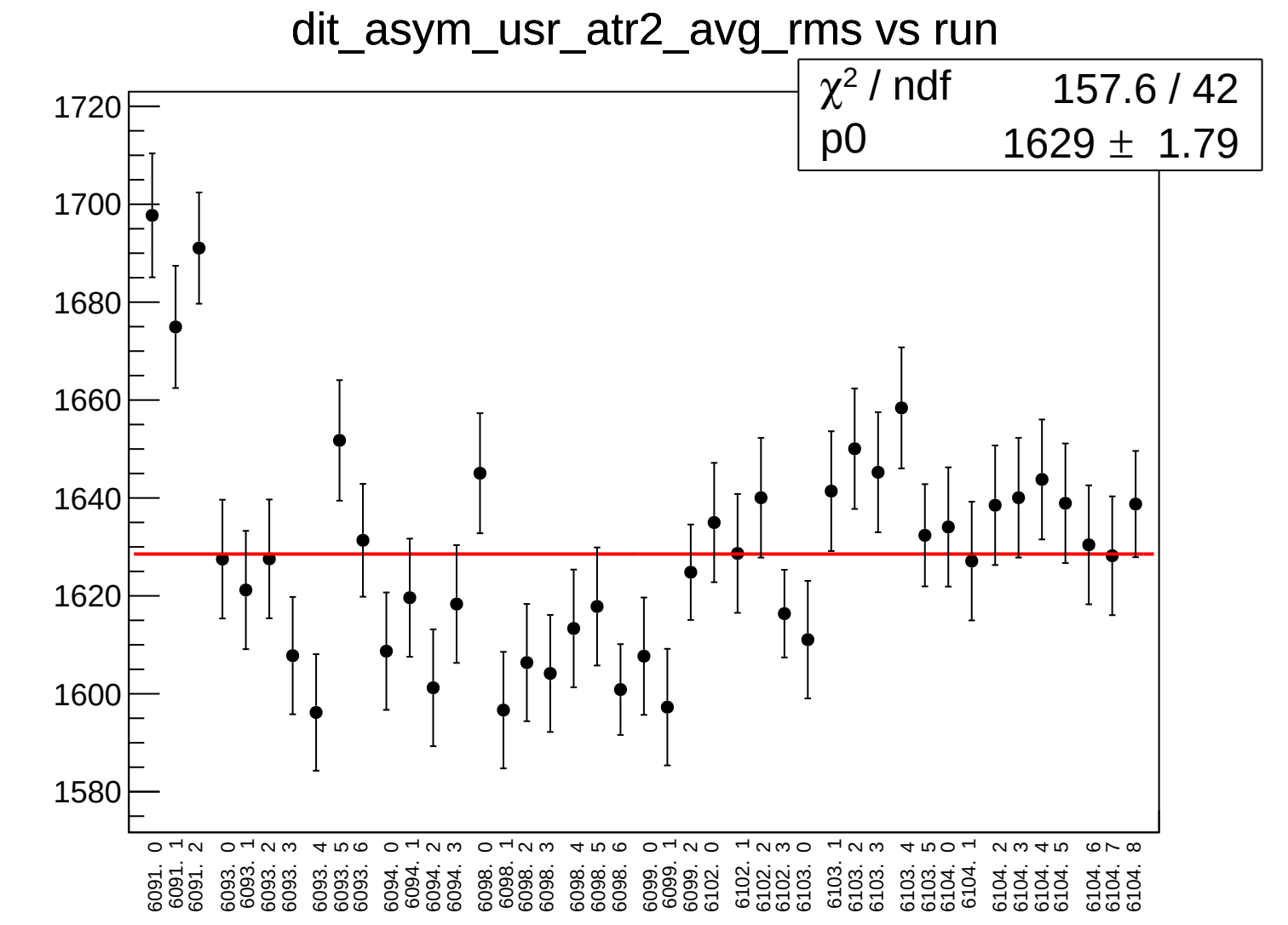

asym_usr_atr2_avg_eigen_cor_correction_mean vs run
×10^3
χ² / ndf 38.29 / 42
p0 3594 ± 7626
150
100
50
0
−50
−100
−150
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 17.34
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

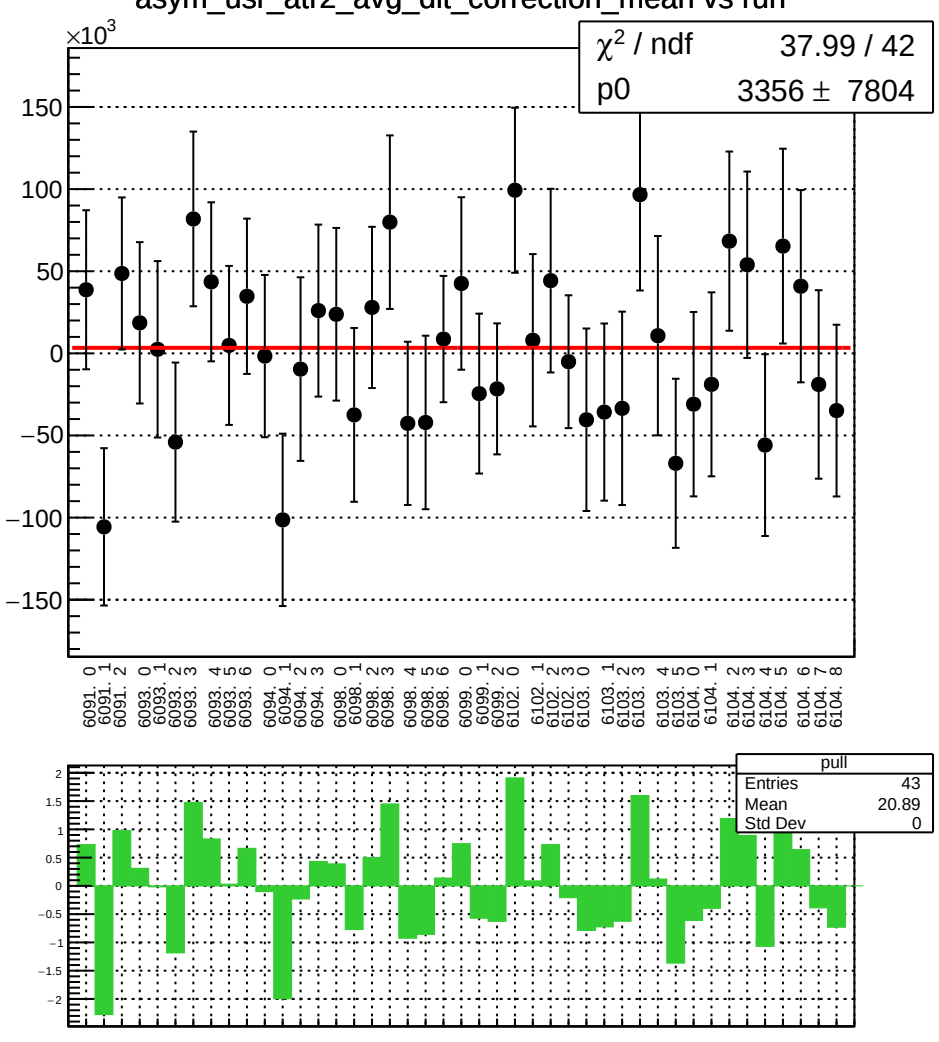

pull1D
Entries 43
Mean 0.007822
Std Dev 0.9436
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

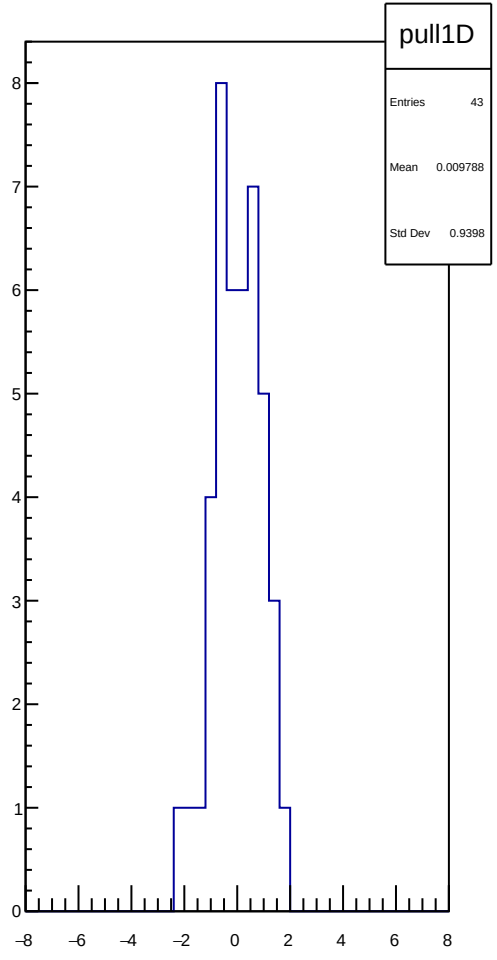

asym_usr_atr2_avg_eigen_cor_correction_rms vs run
χ² / ndf 2201 / 42
p0 4899 ± 5.392
5400
5200
5000
4800
4600
4400
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

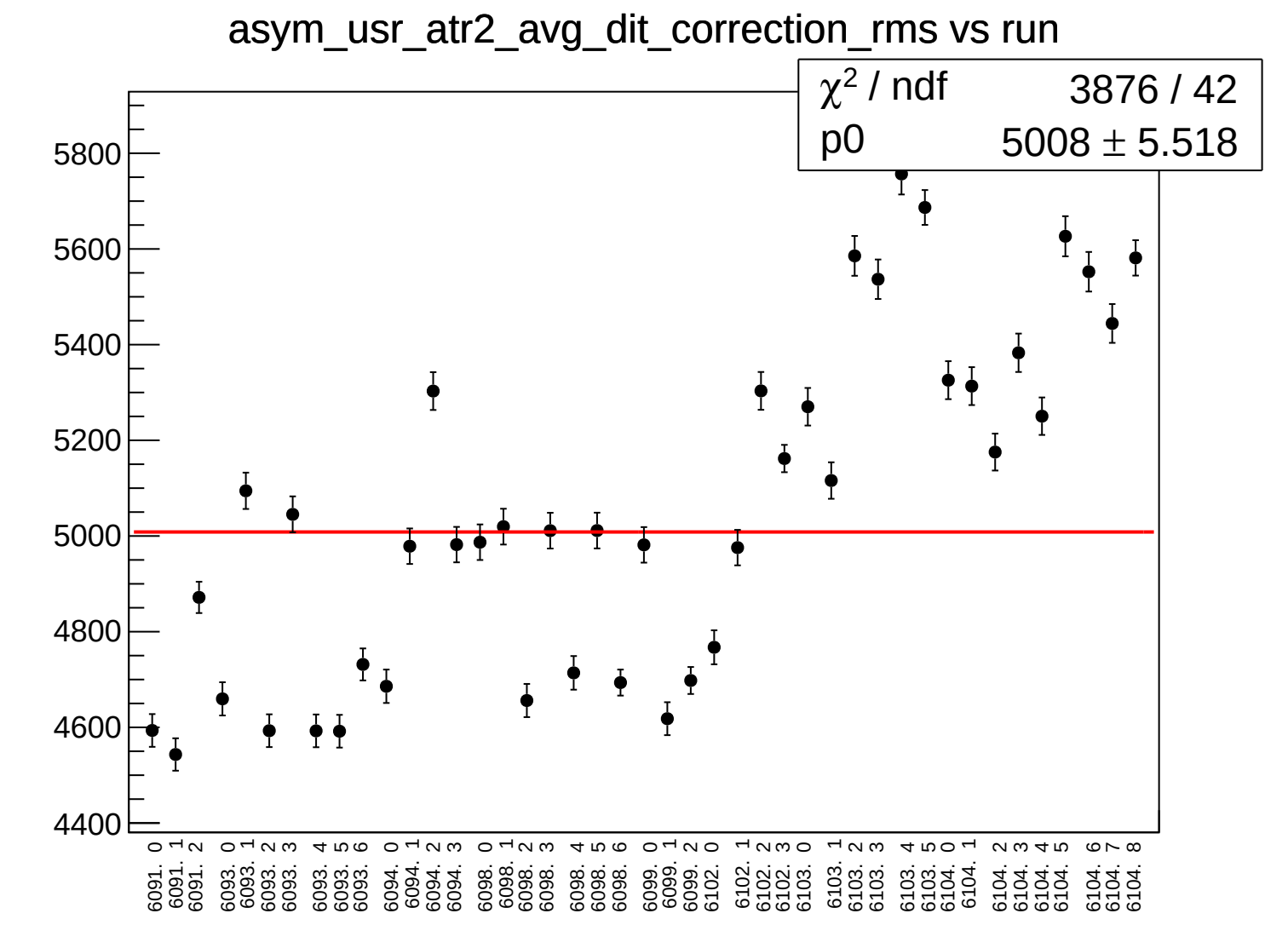

dit_asym_usr_atr2_avg_mean vs run
χ² / ndf 38.22 / 42
p0 4894 ± 2532
60000
40000
20000
0
−20000
−40000
−60000
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 64.64
Std Dev 15.49
2
1
0
−1
−2

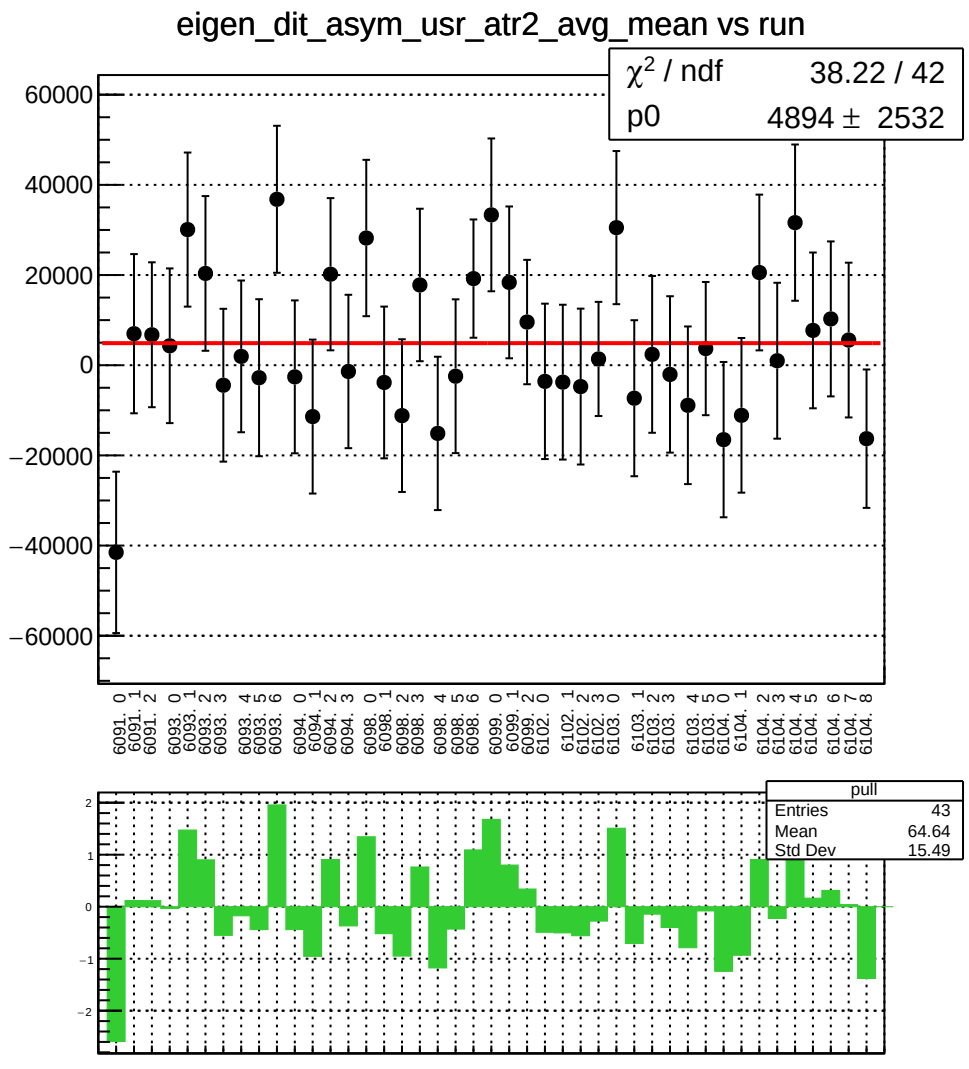

pull1D
Entries 43
Mean −0.009133
Std Dev 0.9427
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

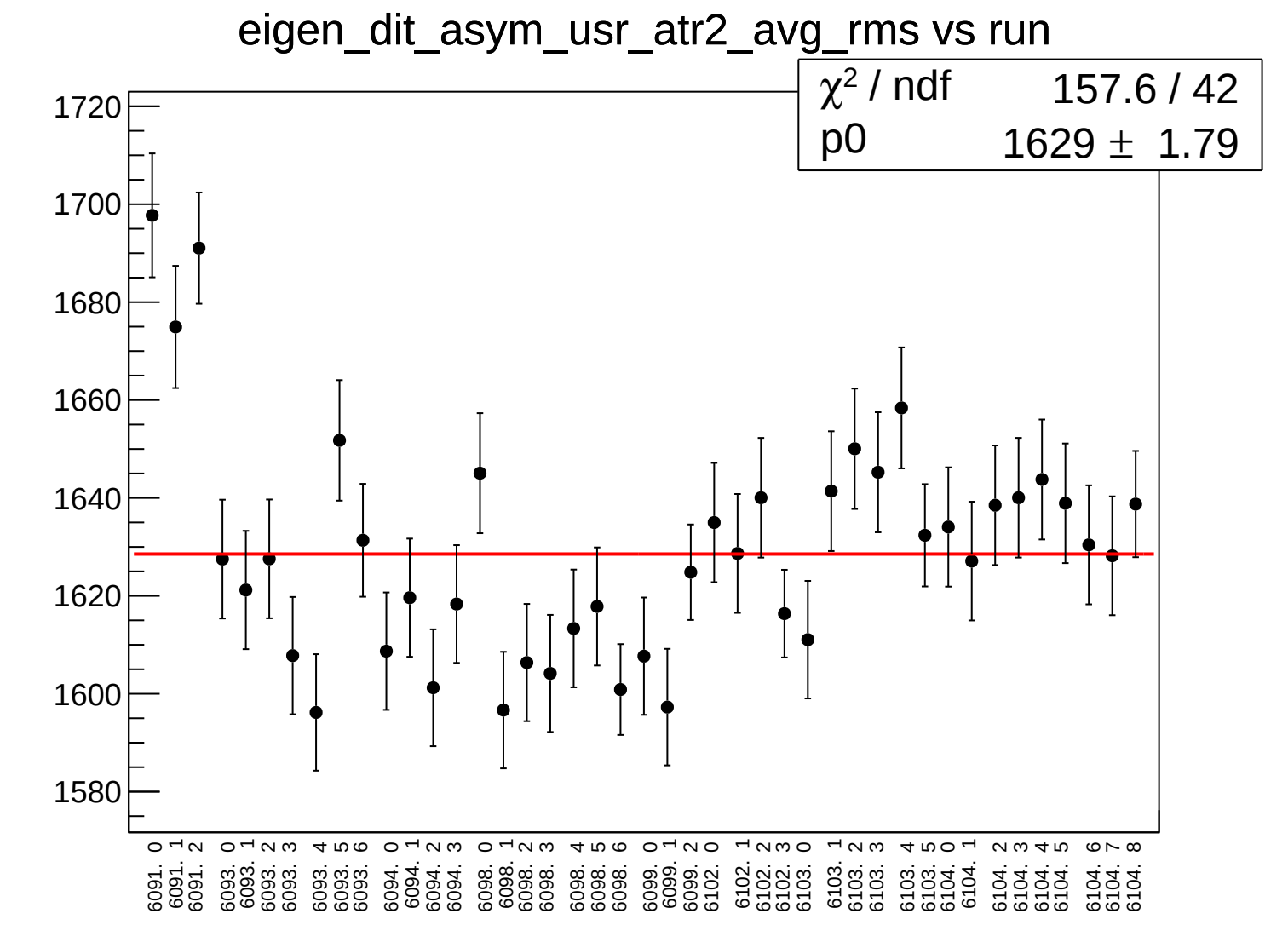

dit_asym_usr_atr2_avg_rms vs run
χ² / ndf 157.6 / 42
p0 1629 ± 1.79
1720
1700
1680
1660
1640
1620
1600
1580
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

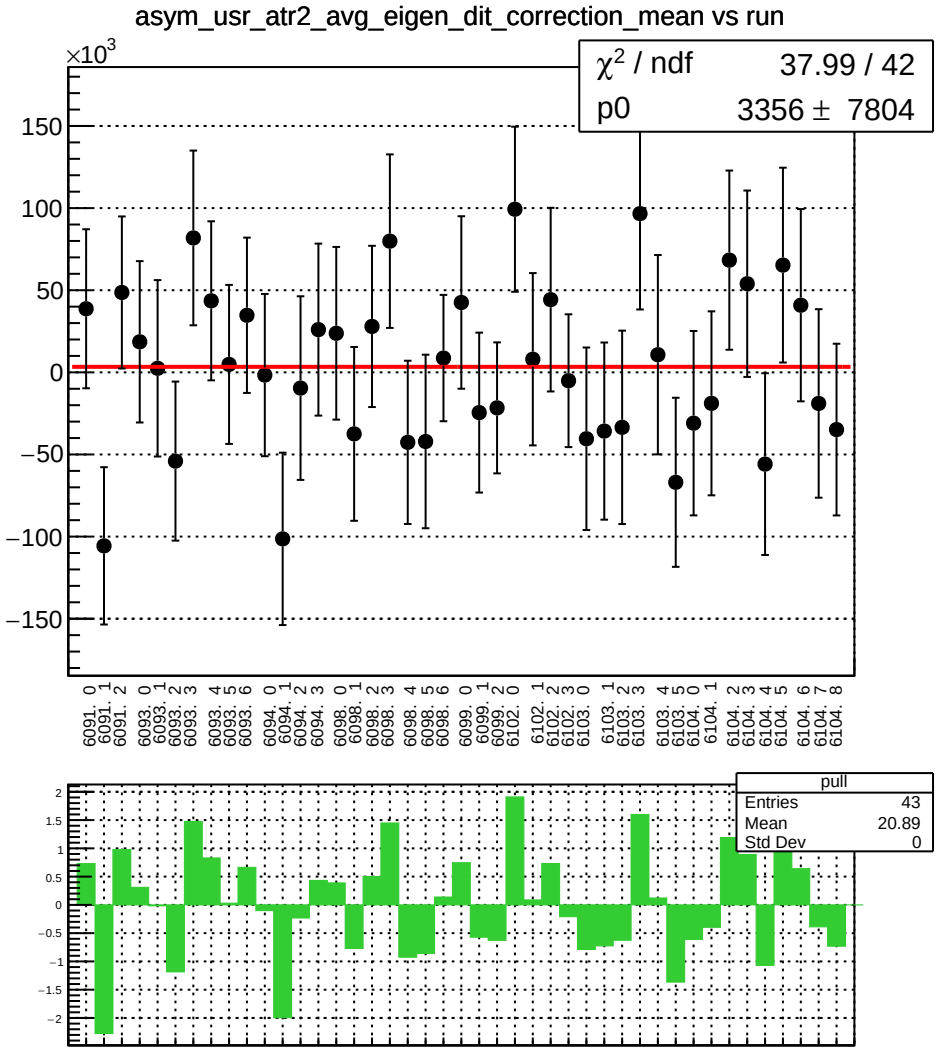

asym_usr_atr2_avg_dit_correction_mean vs run
×10^3
χ^2 / ndf 37.99 / 42
p0 3356 ± 7804
150
100
50
0
−50
−100
−150
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 20.89
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

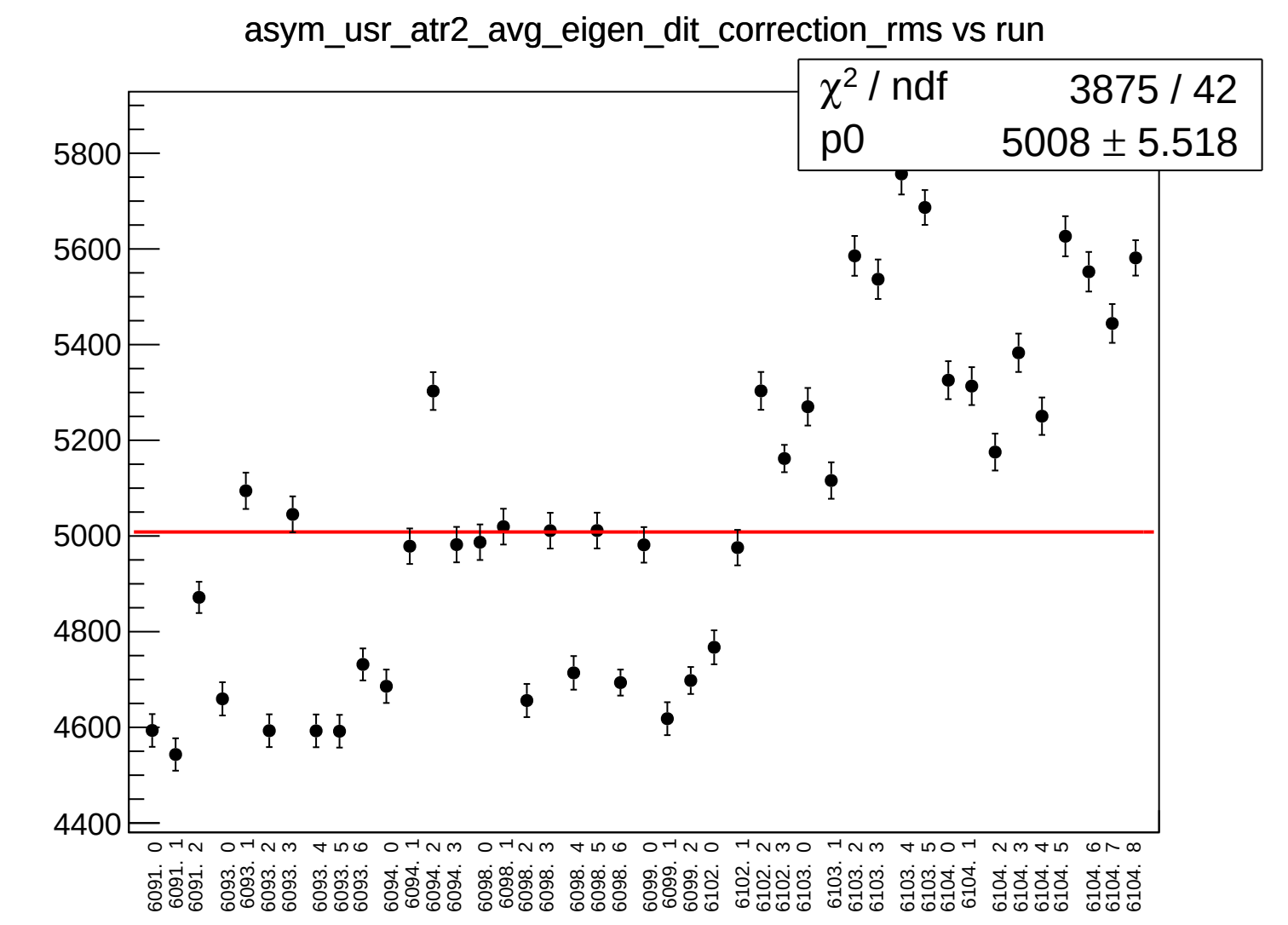

pull1D
Entries 43
Mean 0.009788
Std Dev 0.9398
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

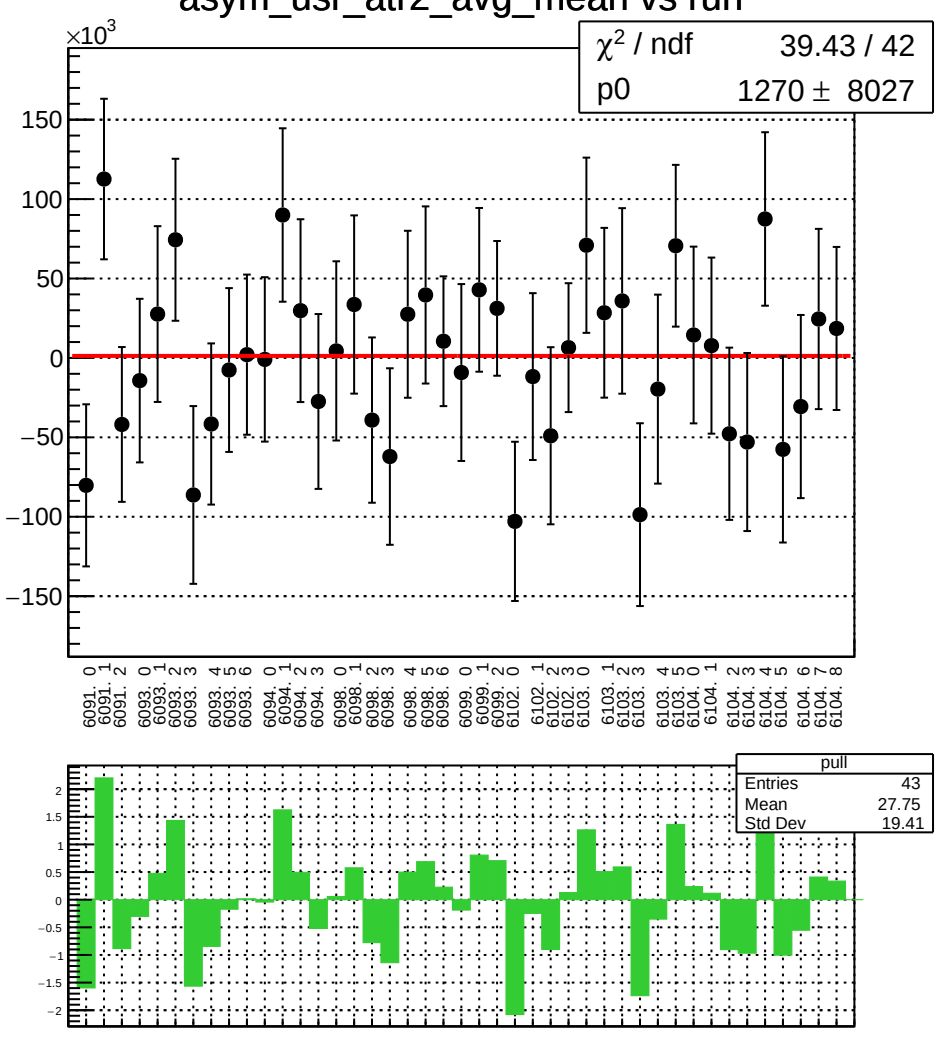

asym_usr_atr2_avg_dit_correction_rms vs run
χ² / ndf 3876 / 42
p0 5008 ± 5.518
5800
5600
5400
5200
5000
4800
4600
4400
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

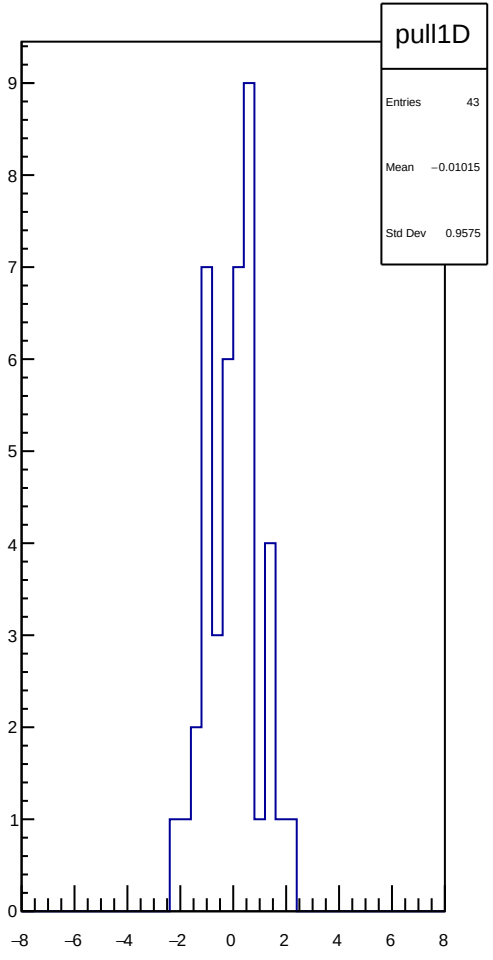

eigen_dit_asym_usr_atr2_avg_mean vs run
χ² / ndf 38.22 / 42
p0 4894 ± 2532
60000
40000
20000
0
−20000
−40000
−60000
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 64.64
Std Dev 15.49
2
1
0
−1
−2
pull1D
Entries 43
Mean −0.009133
Std Dev 0.9427
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

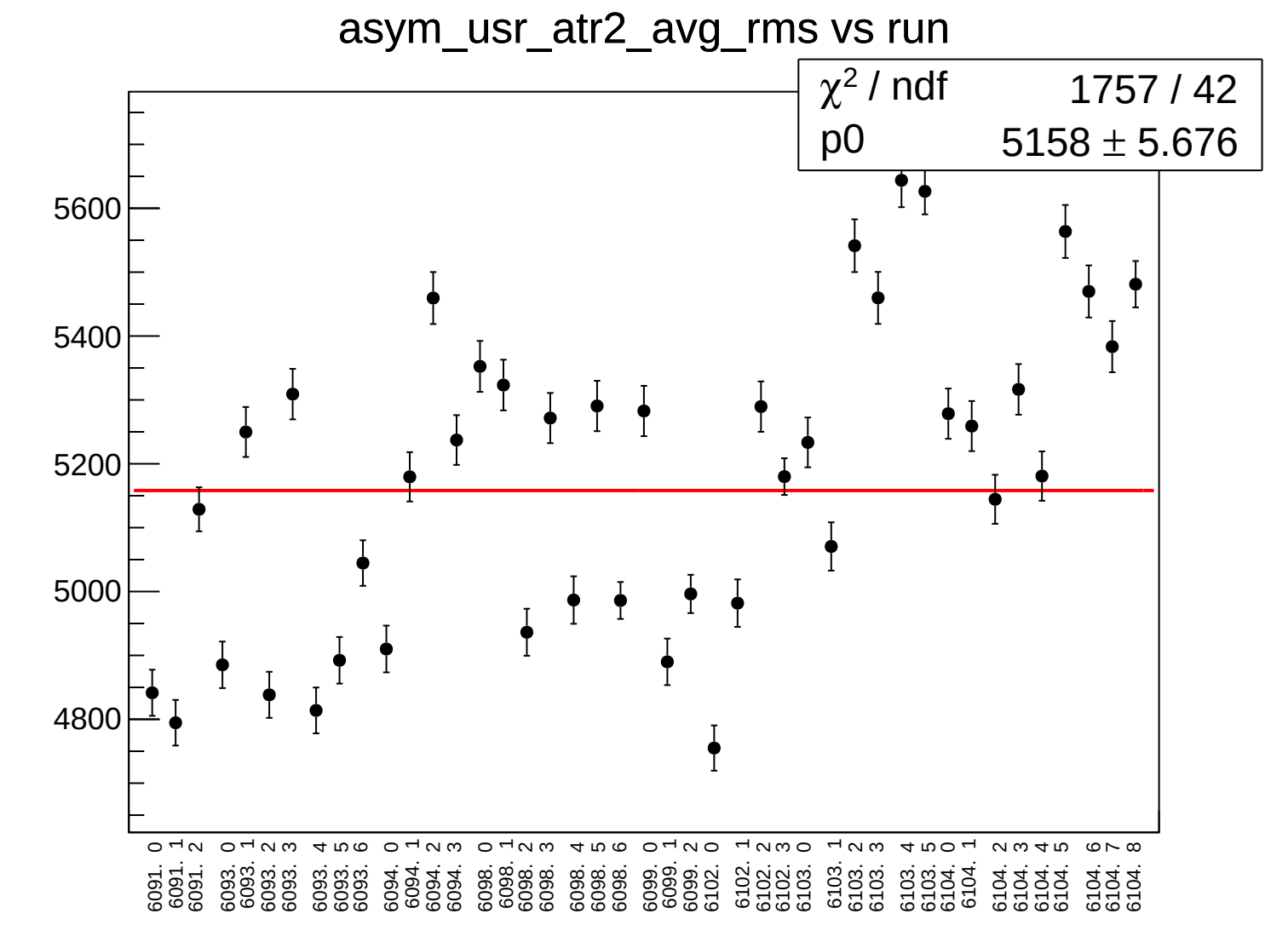

eigen_dit_asym_usr_atr2_avg_rms vs run
χ² / ndf 157.6 / 42
p0 1629 ± 1.79
1720
1700
1680
1660
1640
1620
1600
1580
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

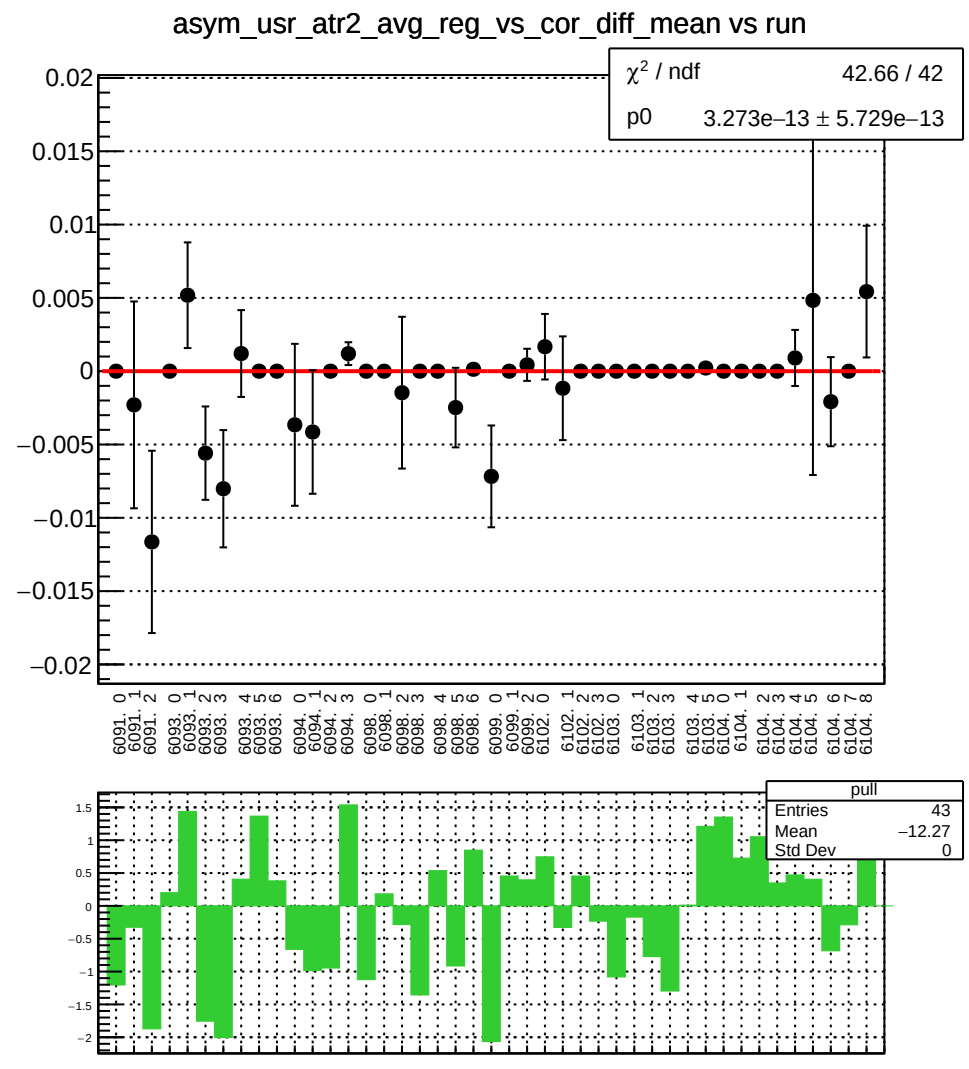

asym_usr_atr2_avg_eigen_dit_correction_mean vs run
×10^3
χ^2 / ndf 37.99 / 42
p0 3356 ± 7804
150
100
50
0
−50
−100
−150
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 20.89
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 43
Mean 0.009788
Std Dev 0.9398
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

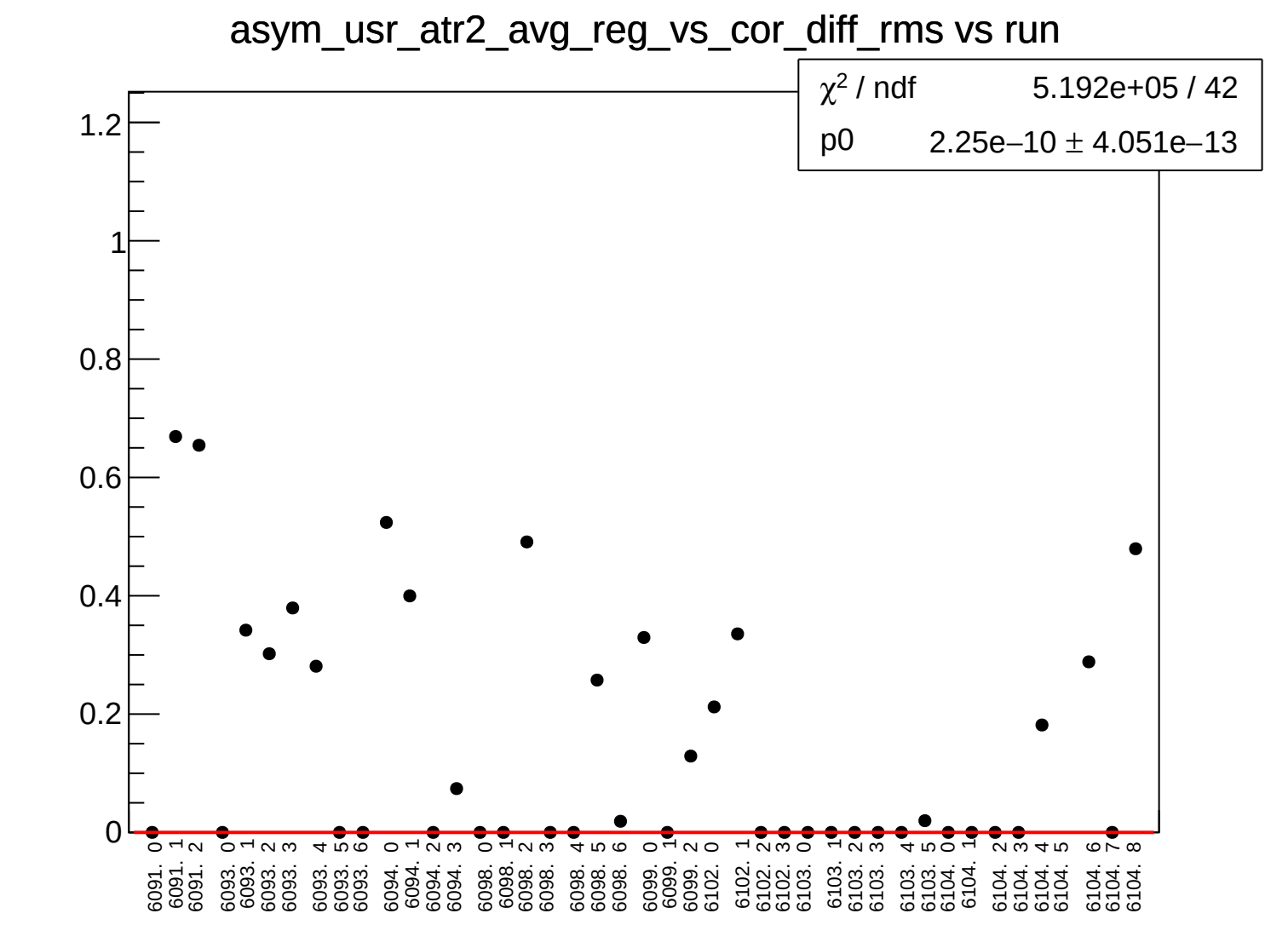

asym_usr_atr2_avg_eigen_dit_correction_rms vs run
χ² / ndf 3875 / 42
p0 5008 ± 5.518
5800
5600
5400
5200
5000
4800
4600
4400
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

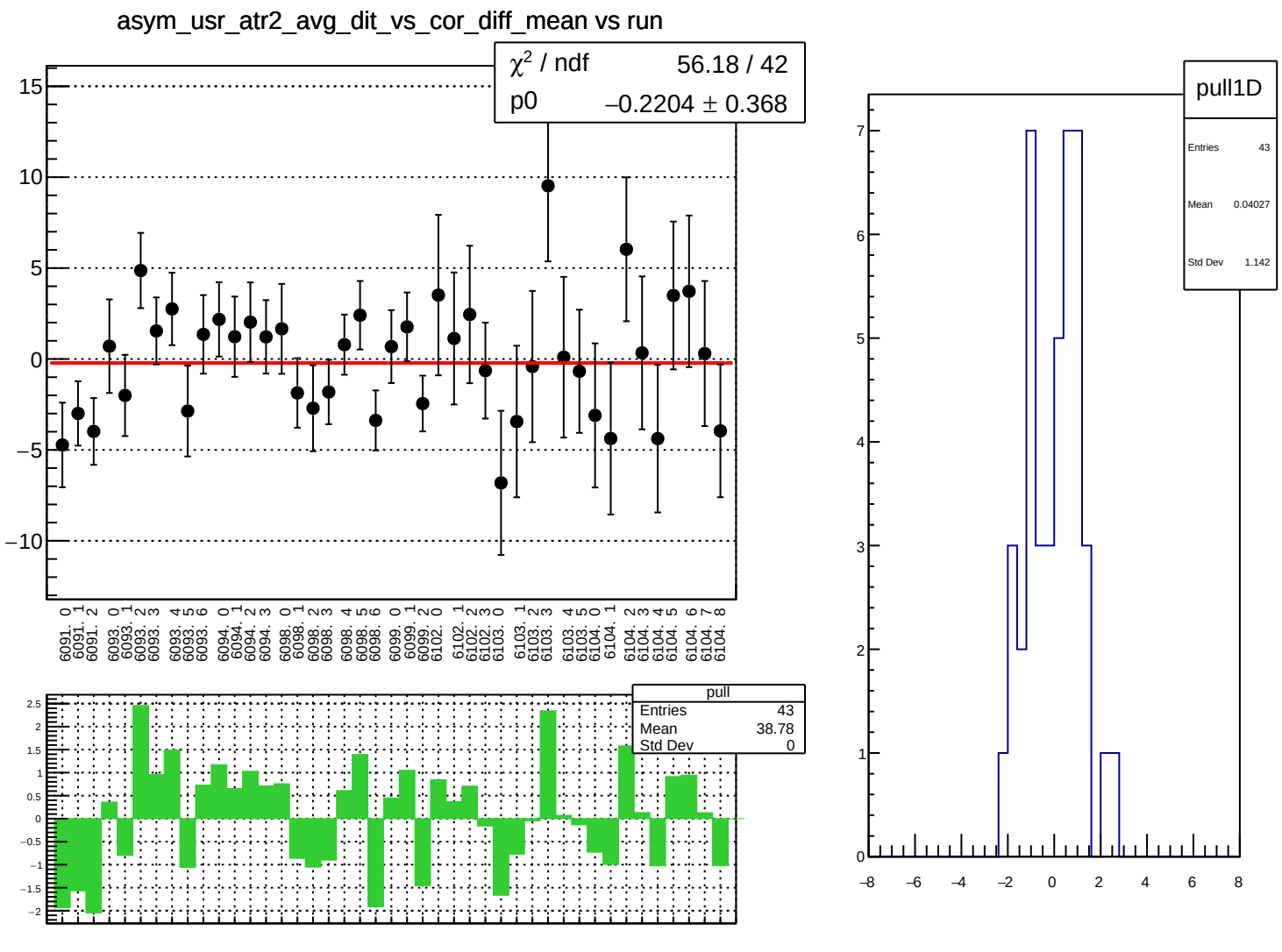

asym_usr_atr2_avg_mean vs run
×10^3
χ² / ndf 39.43 / 42
p0 1270 ± 8027
150
100
50
0
−50
−100
−150
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 27.75
Std Dev 19.41
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

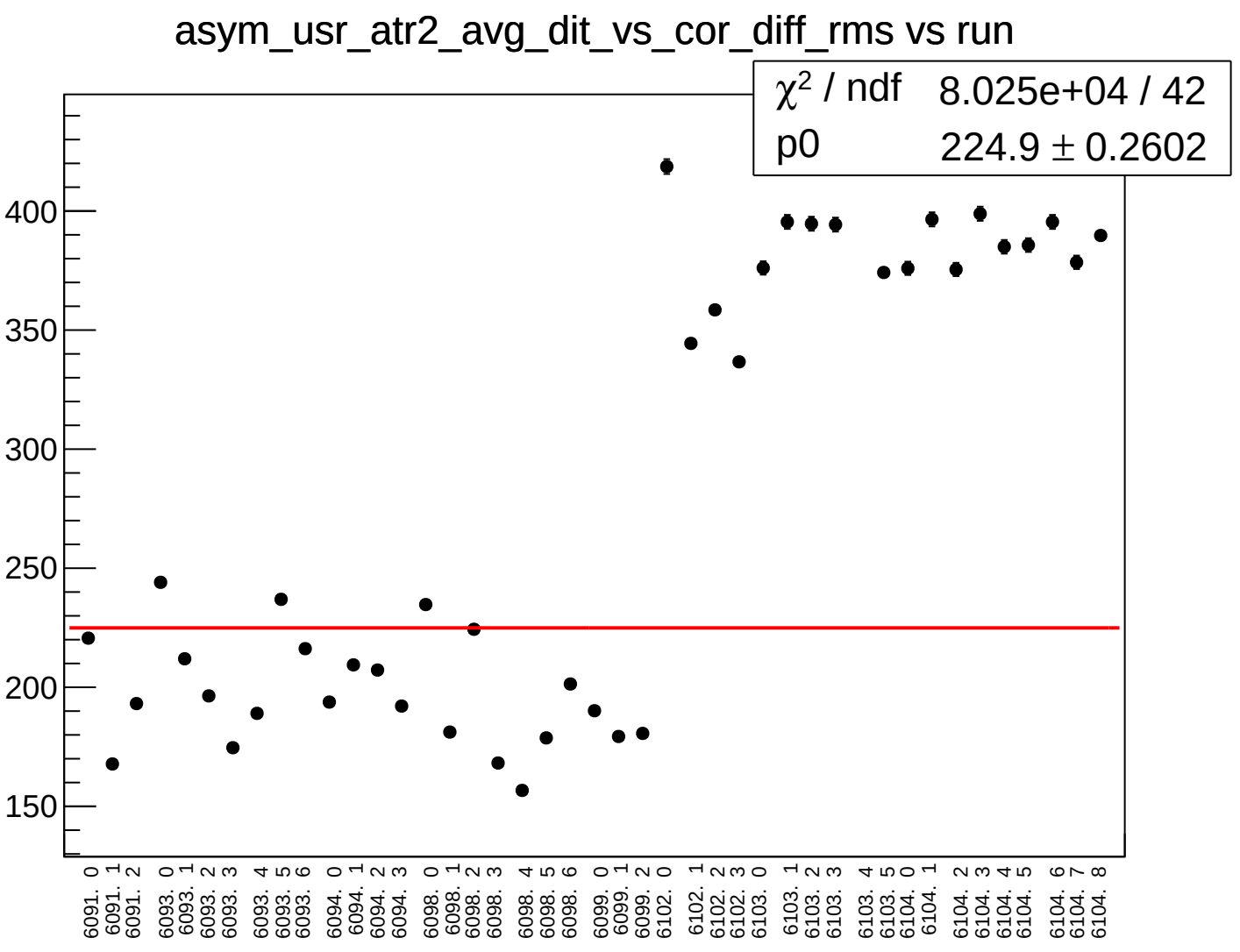

pull1D
Entries 43
Mean −0.01015
Std Dev 0.9575
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

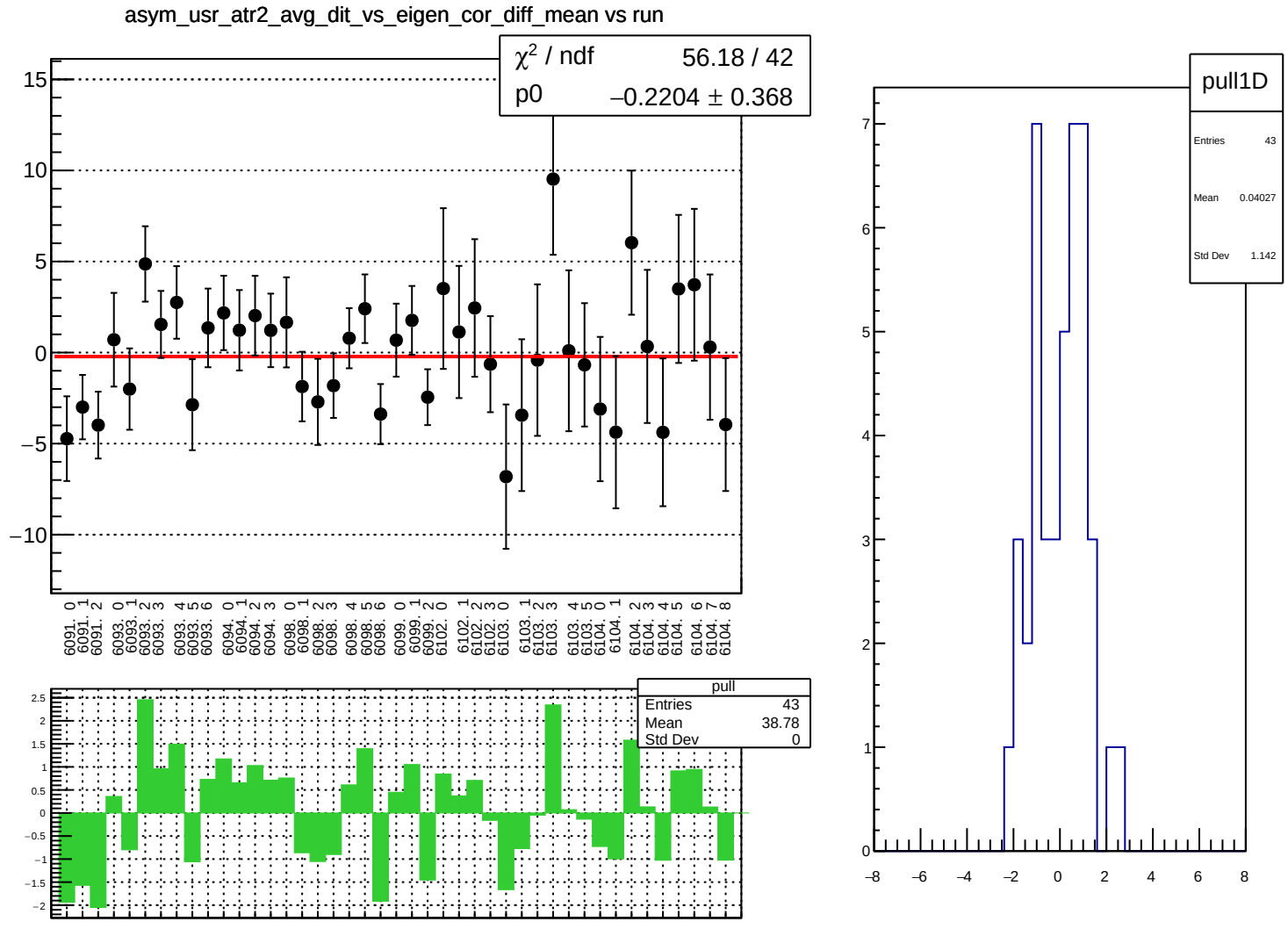

asym_usr_atr2_avg_rms vs run
χ² / ndf 1757 / 42
p0 5158 ± 5.676
5600
5400
5200
5000
4800
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

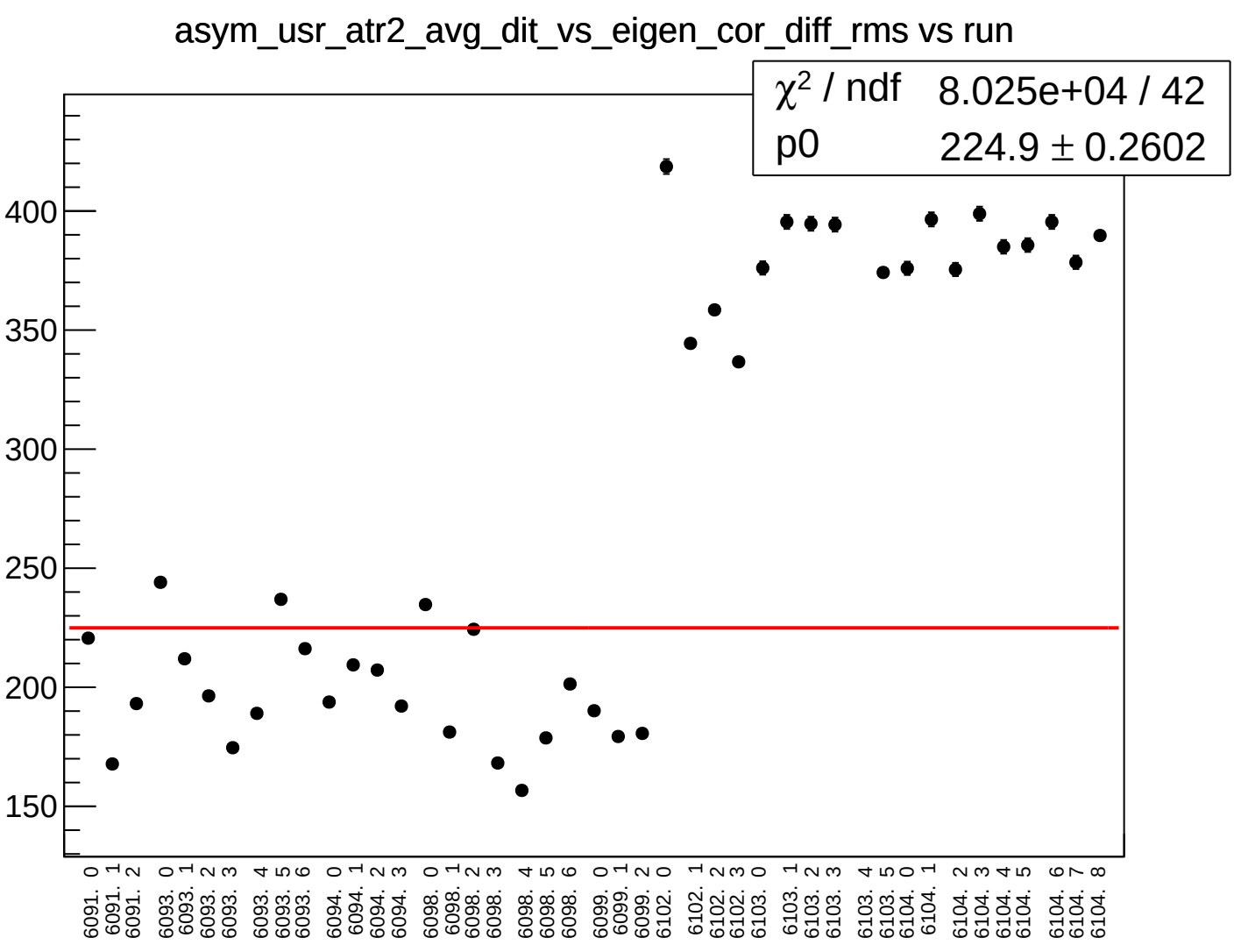

asym_usr_atr2_avg_reg_vs_cor_diff_mean vs run
χ² / ndf 42.66 / 42
p0 3.273e−13 ± 5.729e−13
0.02
0.015
0.01
0.005
0
−0.005
−0.01
−0.015
−0.02
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean −12.27
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 43
Mean −0.1072
Std Dev 0.9903
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

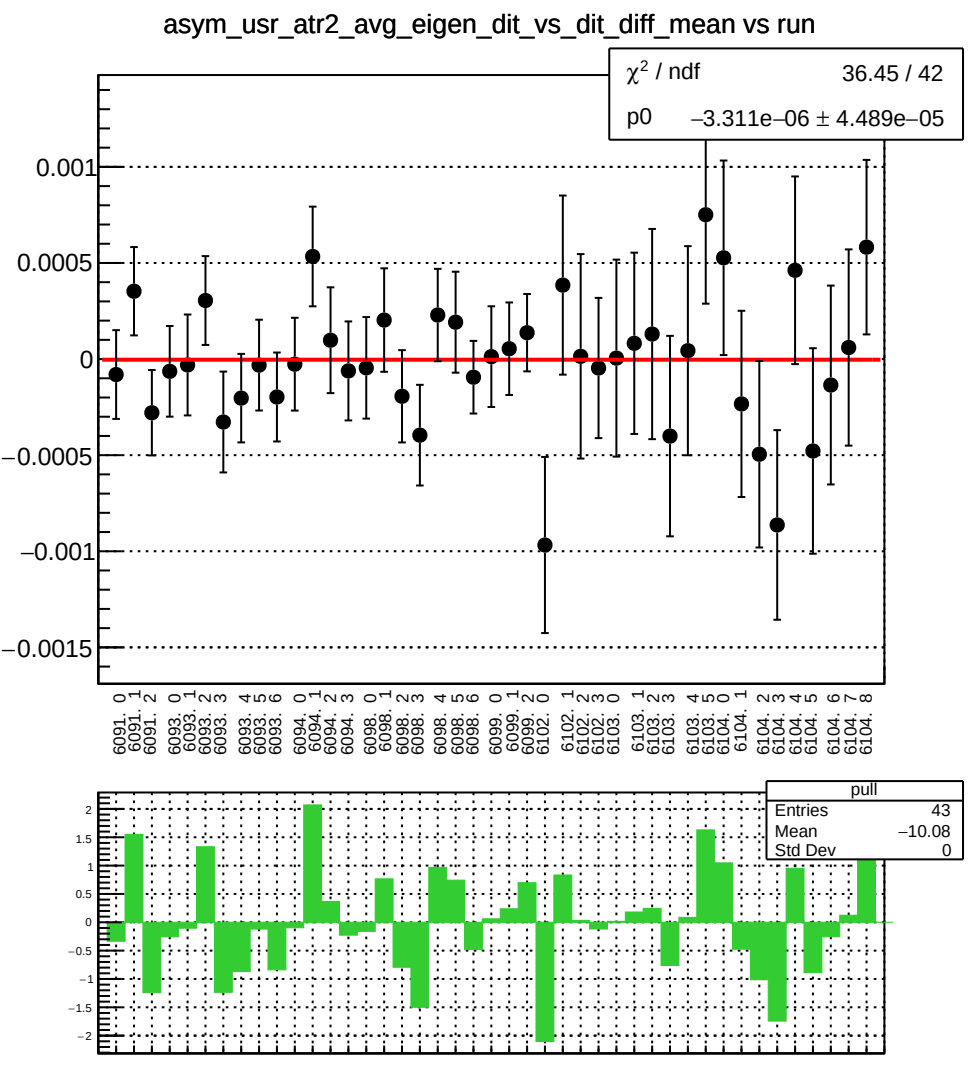

asym_usr_atr2_avg_reg_vs_cor_diff_rms vs run
χ² / ndf 5.192e+05 / 42
p0 2.25e−10 ± 4.051e−13
1.2
1
0.8
0.6
0.4
0.2
0
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

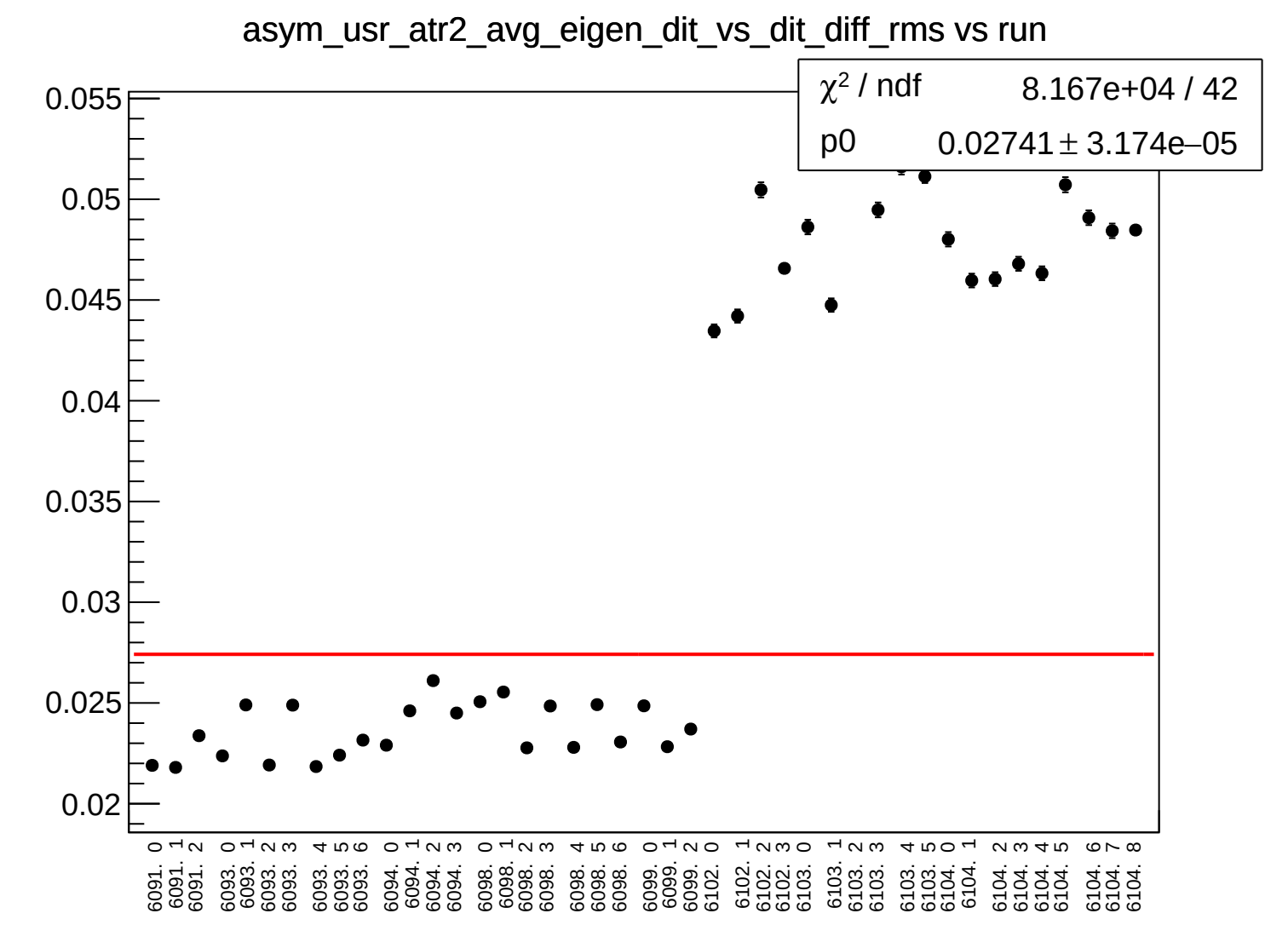

asym_usr_atr2_avg_dit_vs_cor_diff_mean vs run
χ² / ndf 56.18 / 42
p0 −0.2204 ± 0.368
15
10
5
0
−5
−10
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 38.78
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 43
Mean 0.04027
Std Dev 1.142
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

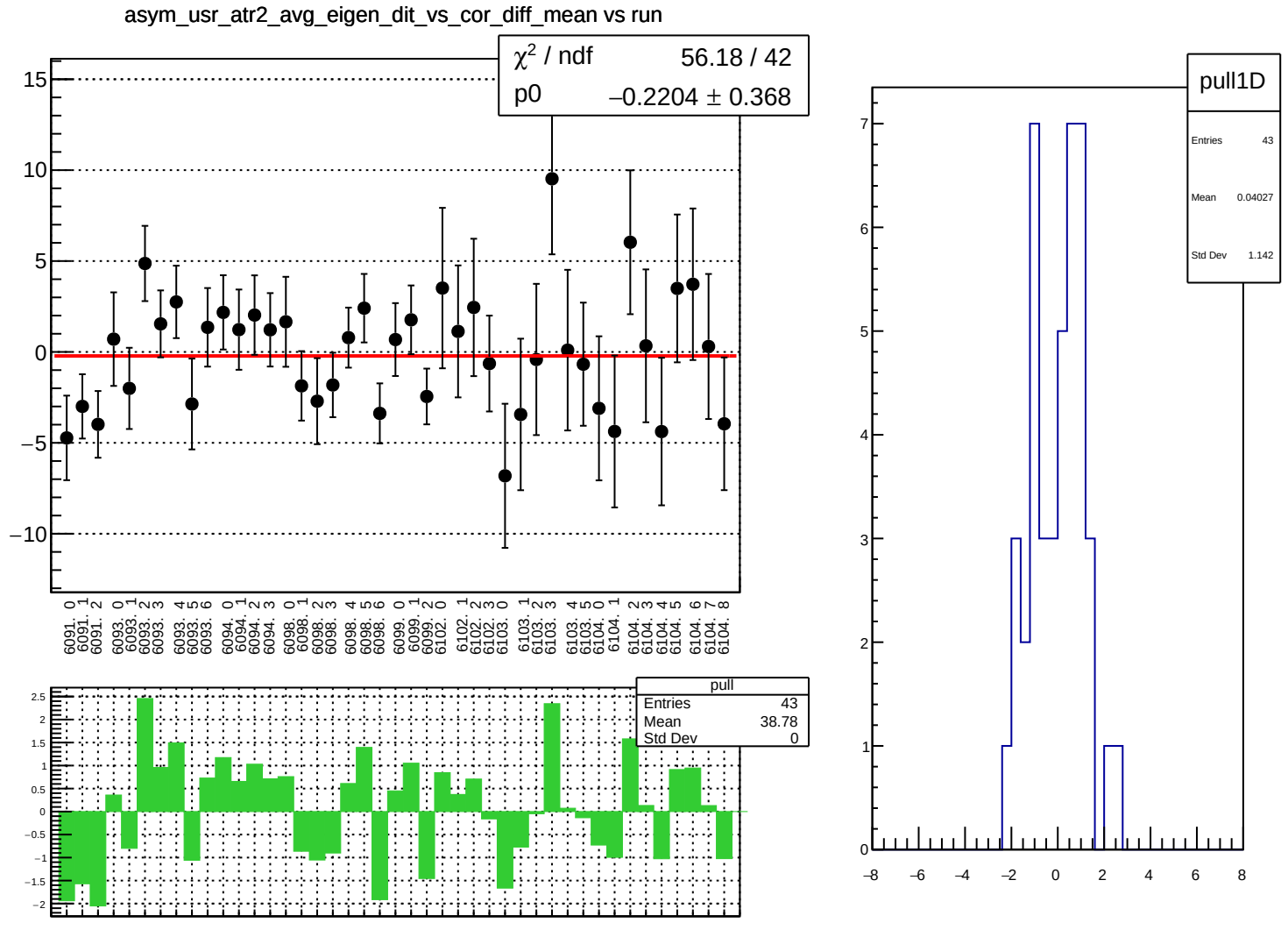

asym_usr_atr2_avg_dit_vs_cor_diff_rms vs run
χ² / ndf 8.025e+04 / 42
p0 224.9 ± 0.2602
400
350
300
250
200
150
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

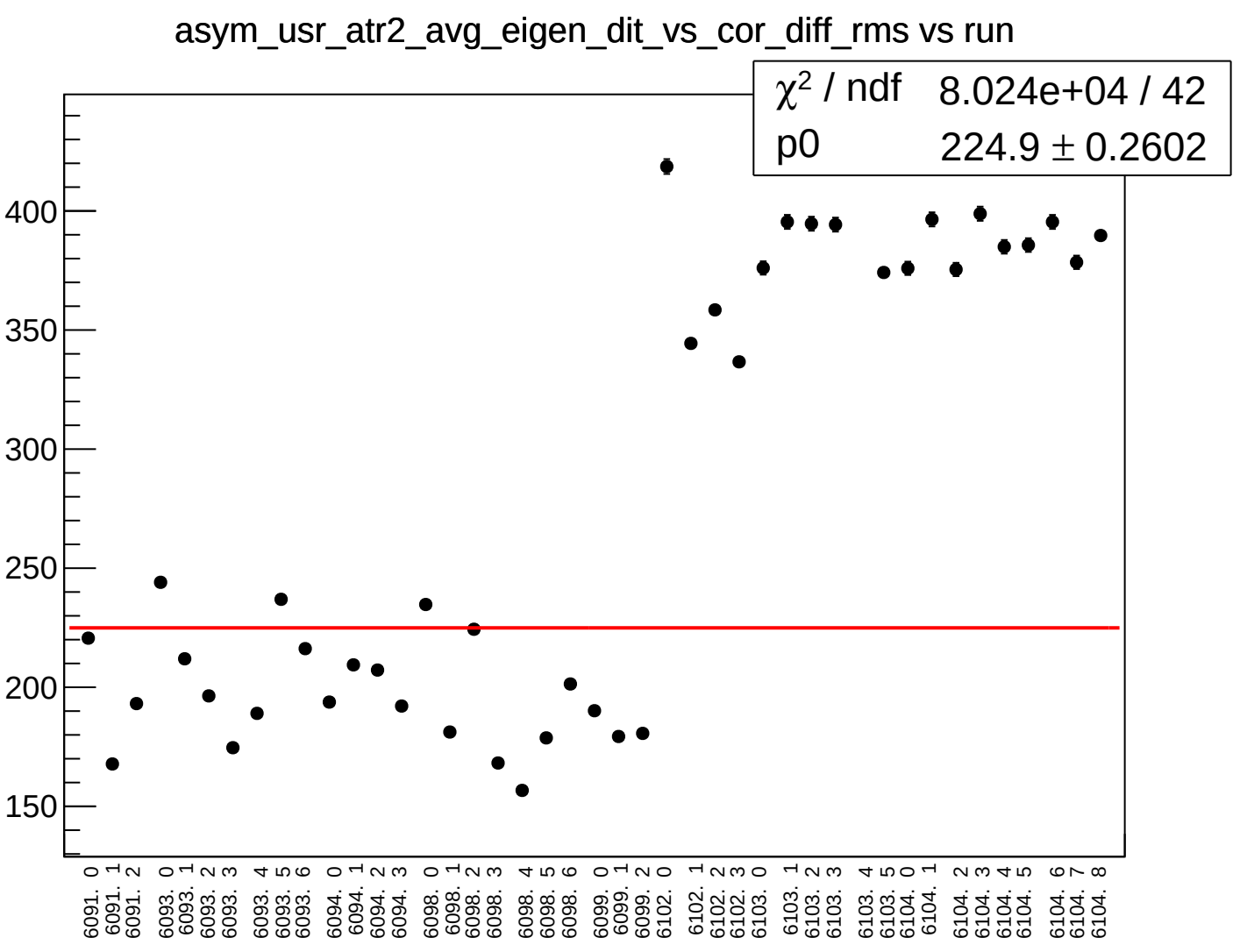

asym_usr_atr2_avg_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 56.18 / 42
p0 −0.2204 ± 0.368
15
10
5
0
−5
−10
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 38.78
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 43
Mean 0.04027
Std Dev 1.142
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

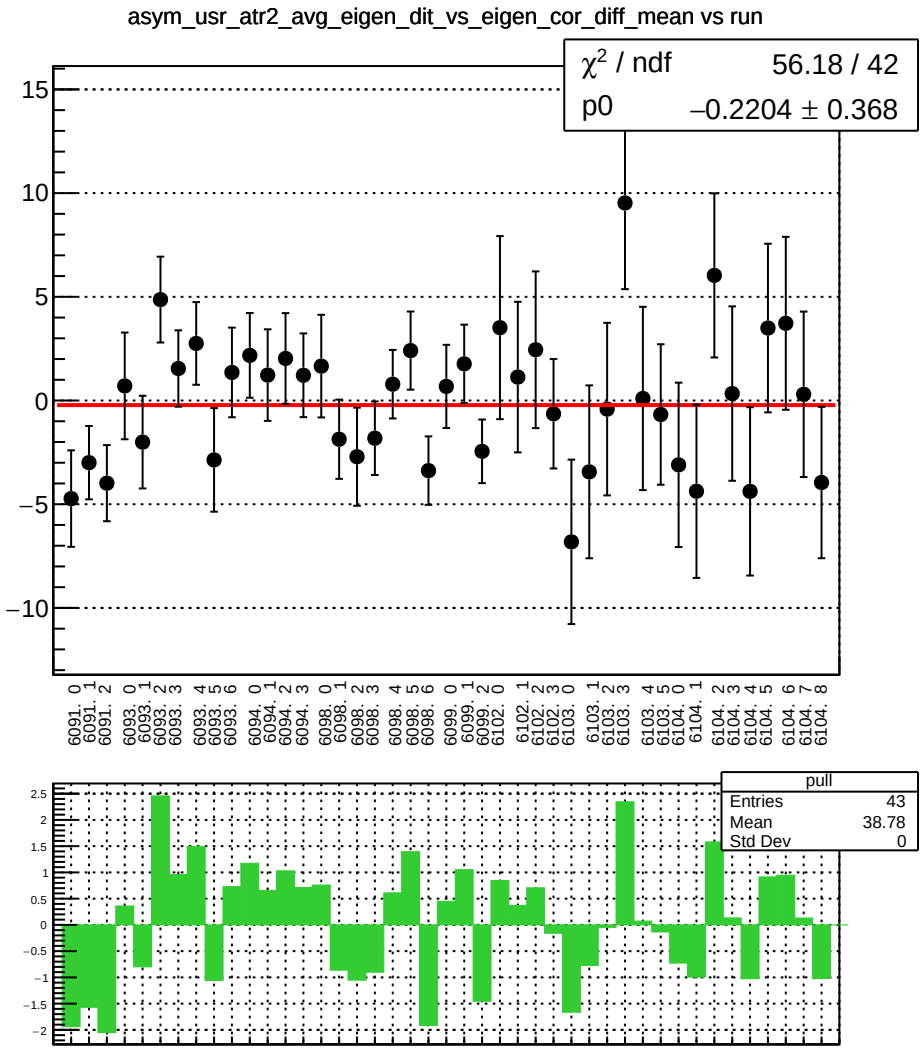

asym_usr_atr2_avg_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 8.025e+04 / 42
p0 224.9 ± 0.2602
400
350
300
250
200
150
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

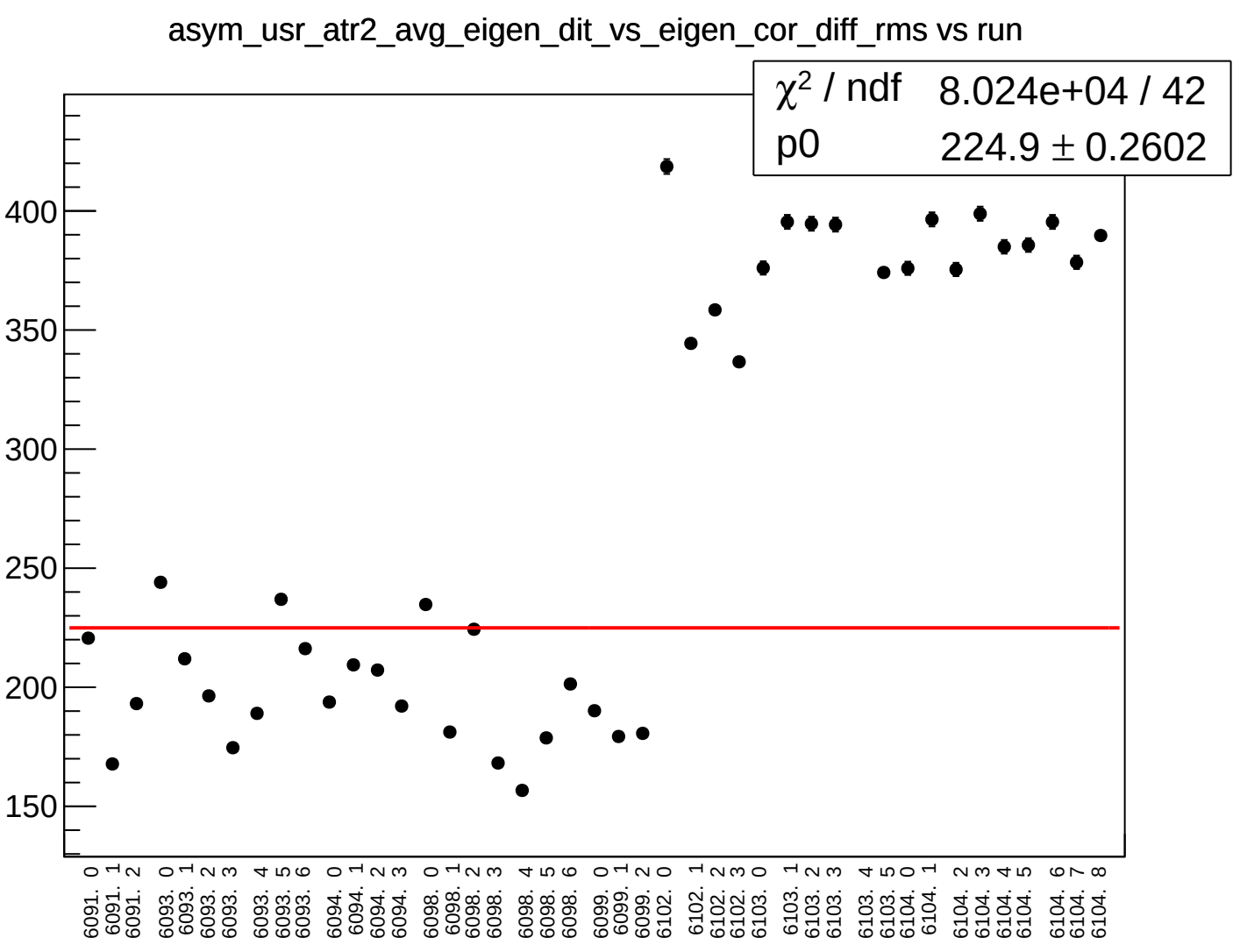

asym_usr_atr2_avg_eigen_dit_vs_dit_diff_mean vs run
χ² / ndf 36.45 / 42
p0 −3.311e−06 ± 4.489e−05
0.001
0.0005
0
−0.0005
−0.001
−0.0015
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean −10.08
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 43
Mean −0.008826
Std Dev 0.9207
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

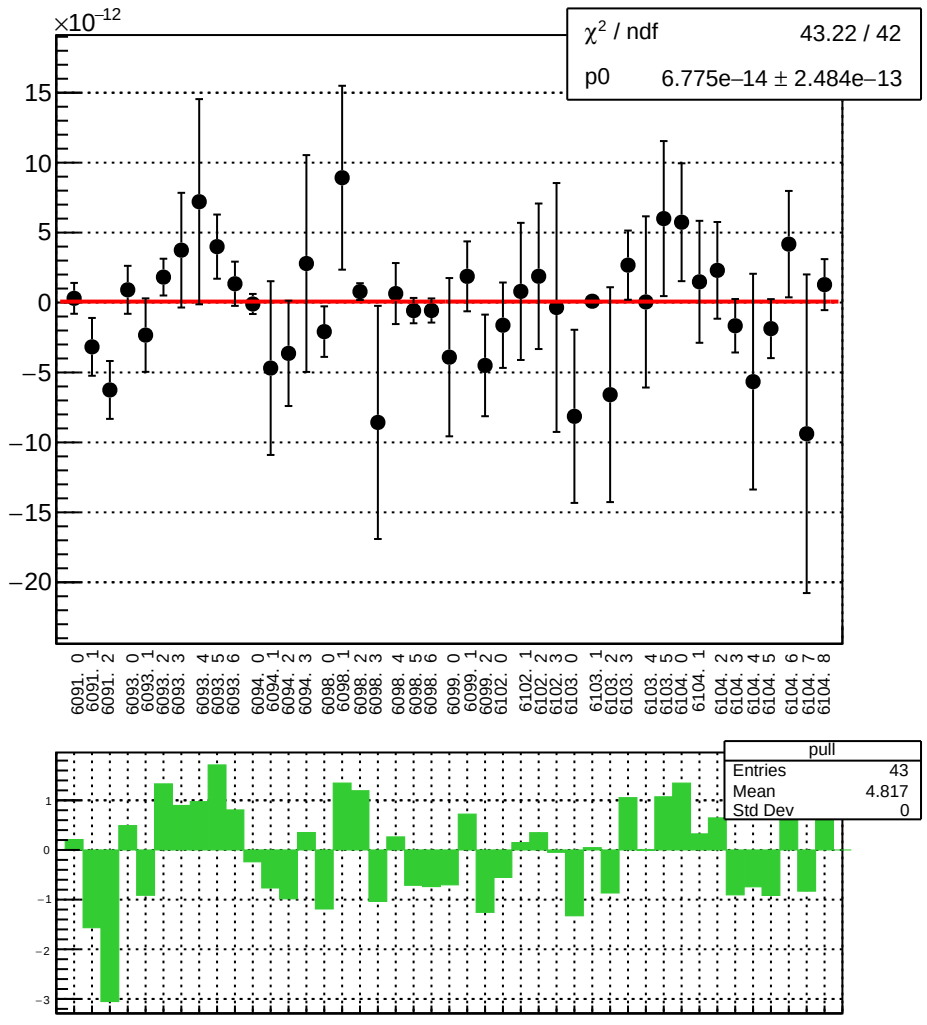

asym_usr_atr2_avg_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 8.167e+04 / 42
p0 0.02741 ± 3.174e–05
0.055
0.05
0.045
0.04
0.035
0.03
0.025
0.02
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

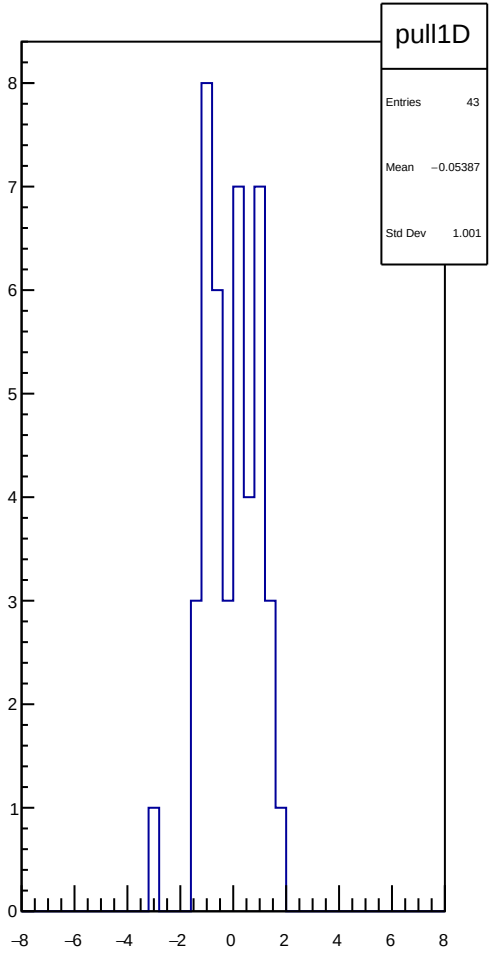

asym_usr_atr2_avg_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 56.18 / 42
p0 −0.2204 ± 0.368
15
10
5
0
−5
−10
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 38.78
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 43
Mean 0.04027
Std Dev 1.142
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

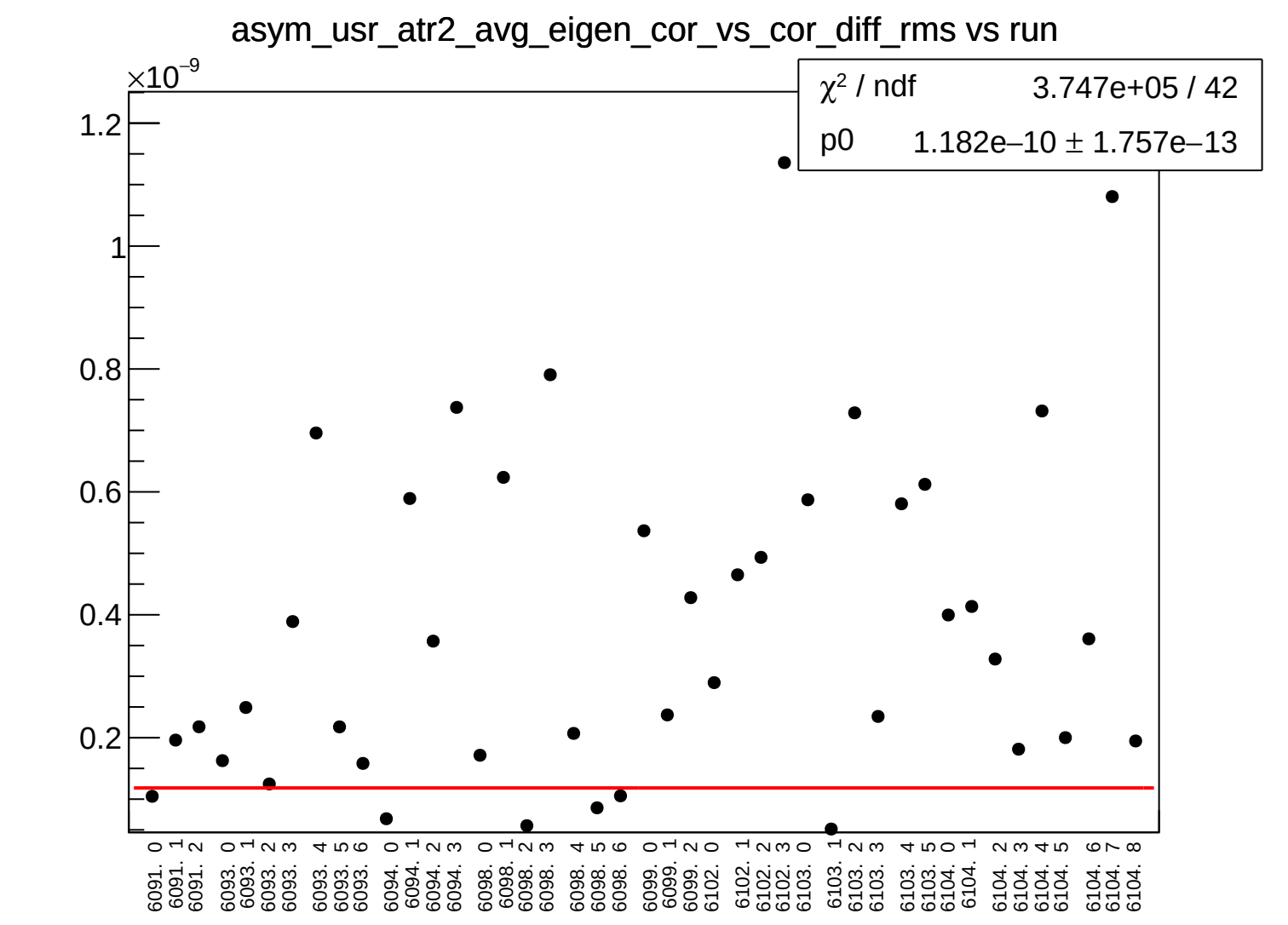

asym_usr_atr2_avg_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 8.024e+04 / 42
p0 224.9 ± 0.2602
400
350
300
250
200
150
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

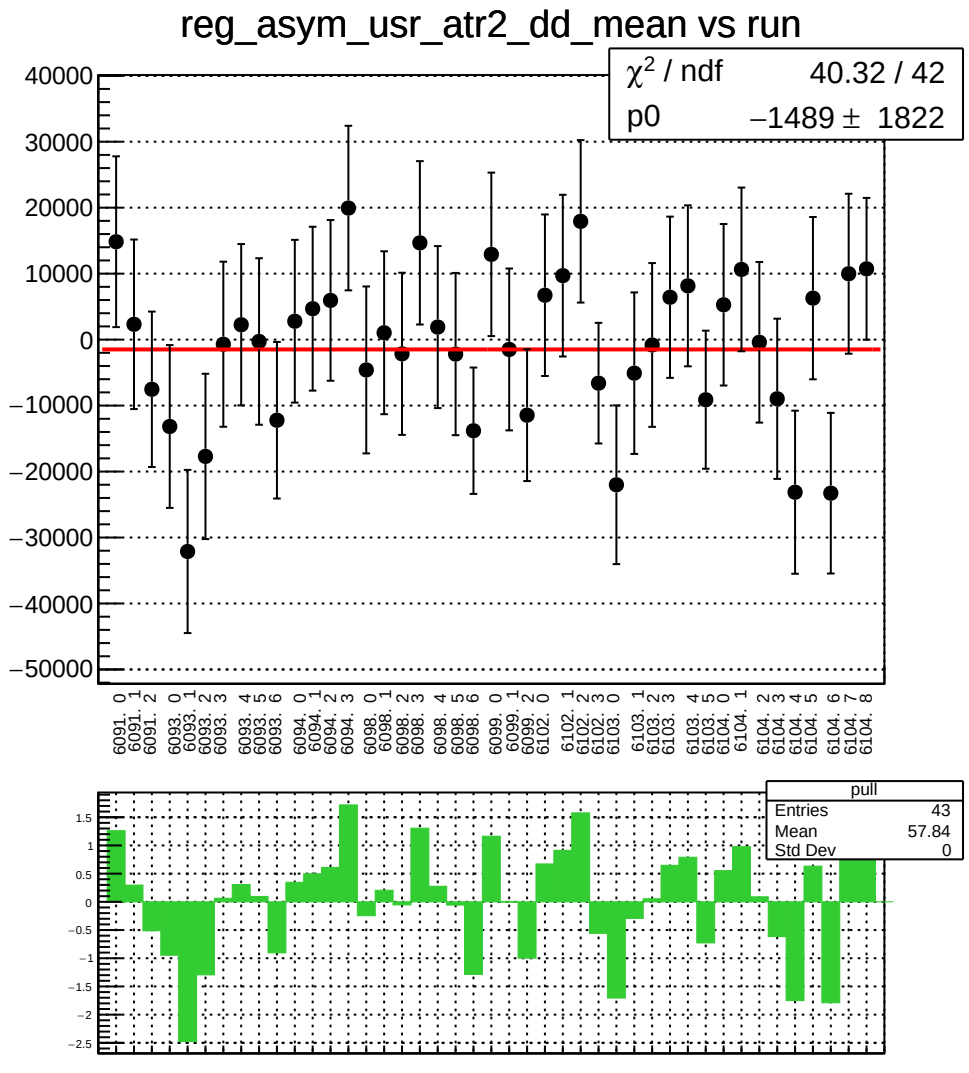

asym_usr_atr2_avg_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 56.18 / 42
p0 −0.2204 ± 0.368
pull
Entries 43
Mean 38.78
Std Dev 0
pull1D
Entries 43
Mean 0.04027
Std Dev 1.142

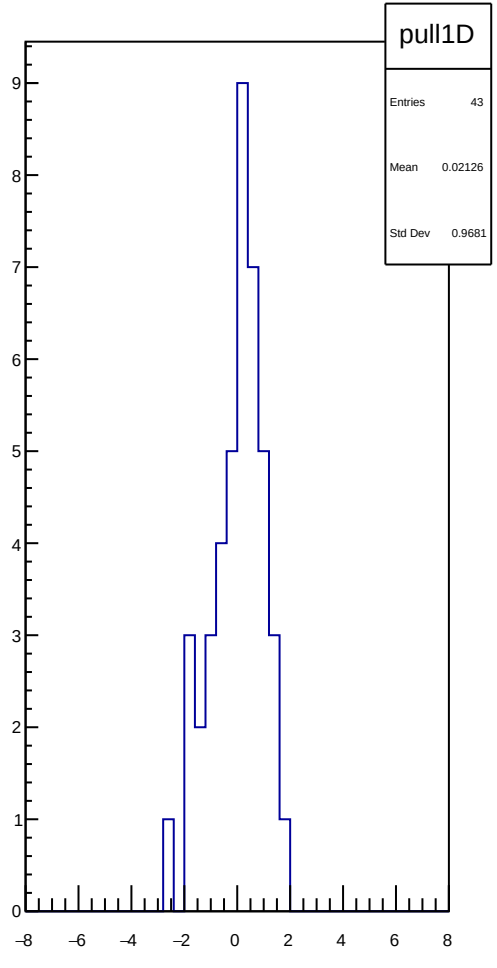

asym_usr_atr2_avg_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 8.024e+04 / 42
p0 224.9 ± 0.2602
400
350
300
250
200
150
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

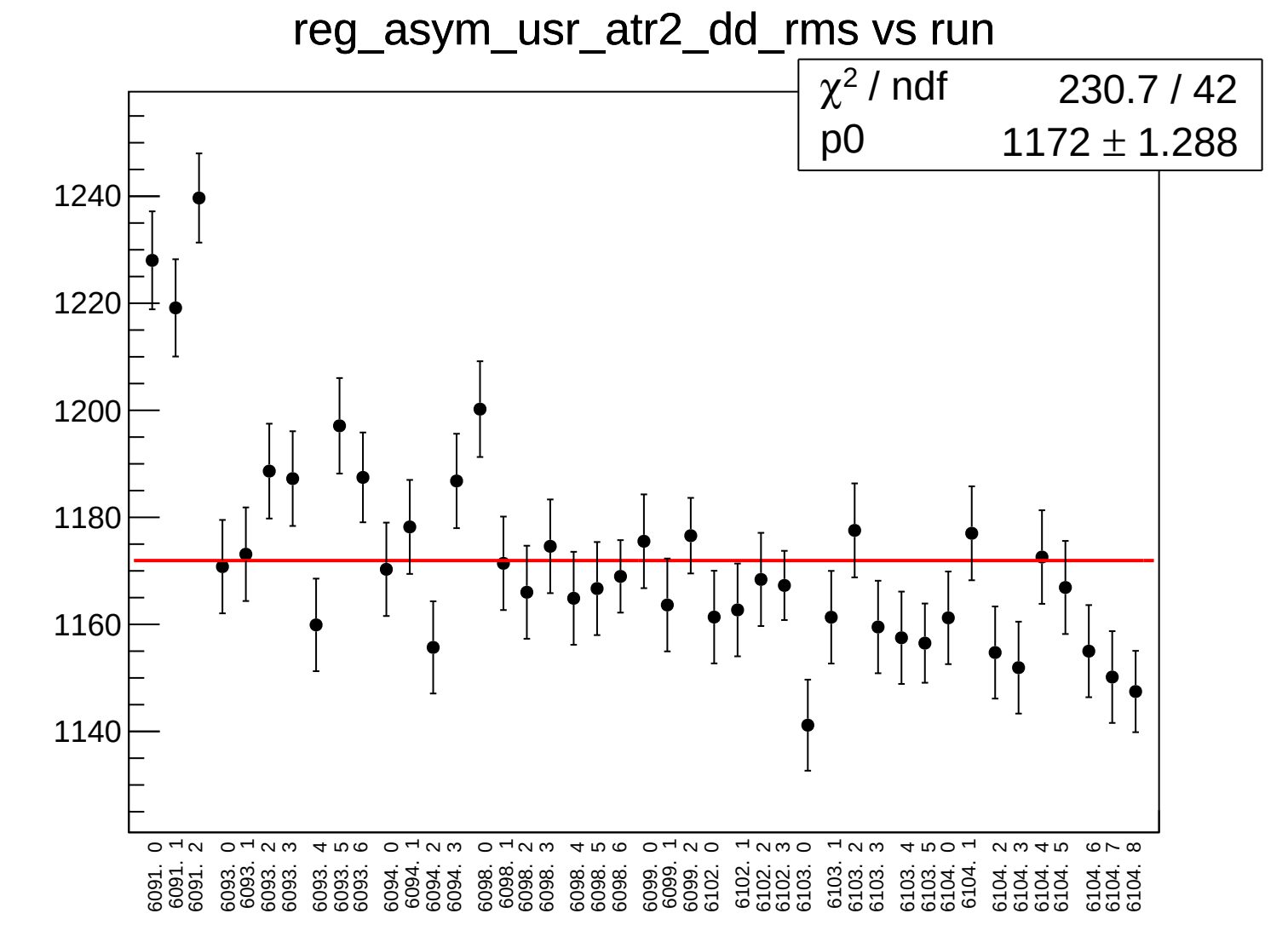

asym_usr_atr2_avg_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 43.22 / 42
p0 6.775e−14 ± 2.484e−13
pull
Entries 43
Mean 4.817
Std Dev 0

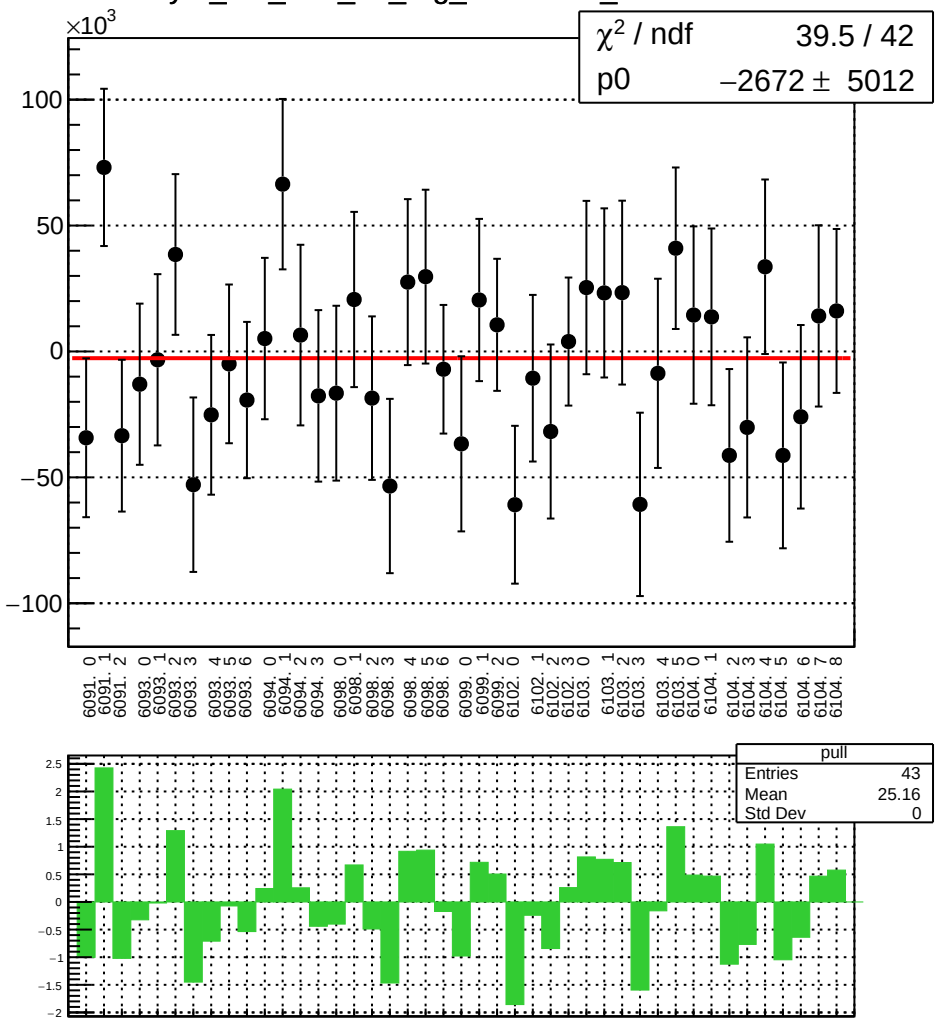

pull1D
Entries 43
Mean −0.05387
Std Dev 1.001

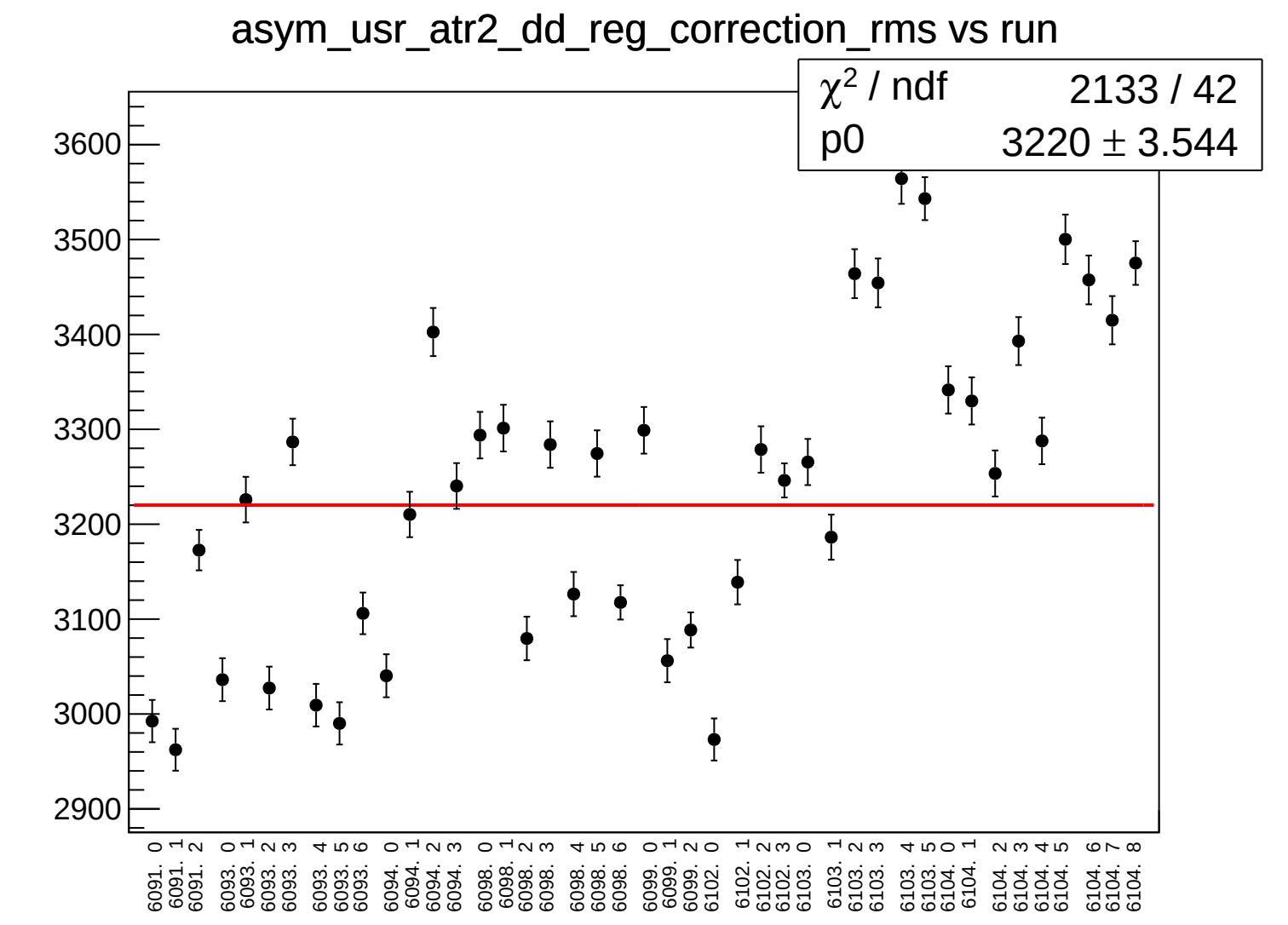

asym_usr_atr2_avg_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 3.747e+05 / 42
p0 1.182e−10 ± 1.757e−13
1.2
1
0.8
0.6
0.4
0.2
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

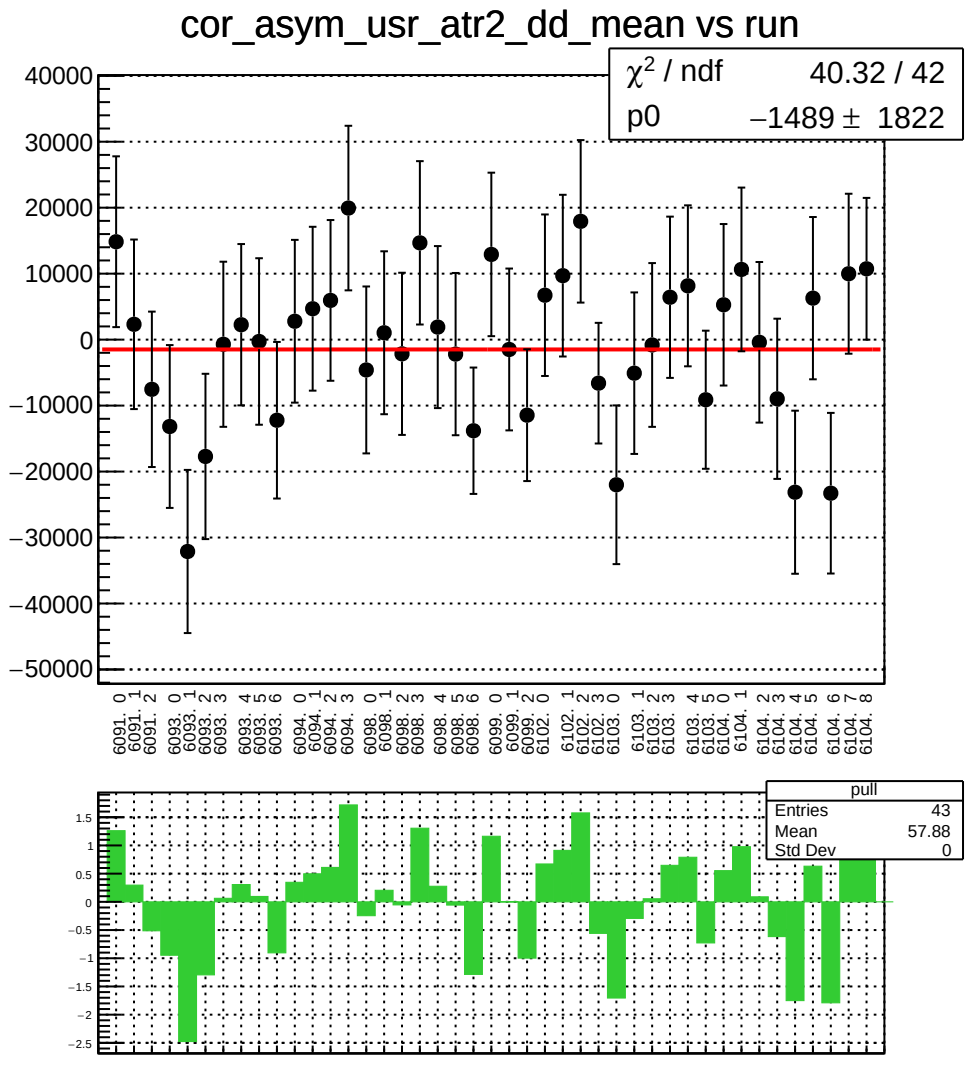

reg_asym_usr_atr2_dd_mean vs run
χ² / ndf 40.32 / 42
p0 −1489 ± 1822
pull
Entries 43
Mean 57.84
Std Dev 0

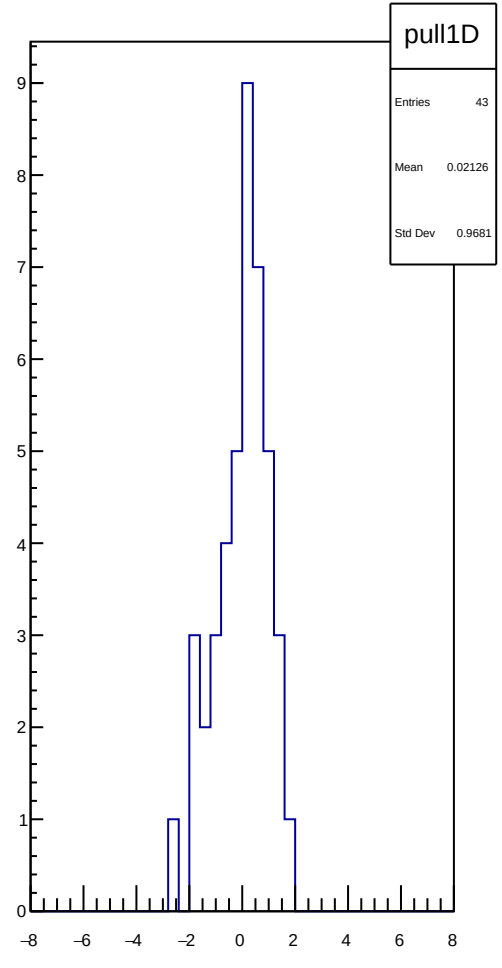

pull1D
Entries 43
Mean 0.02126
Std Dev 0.9681

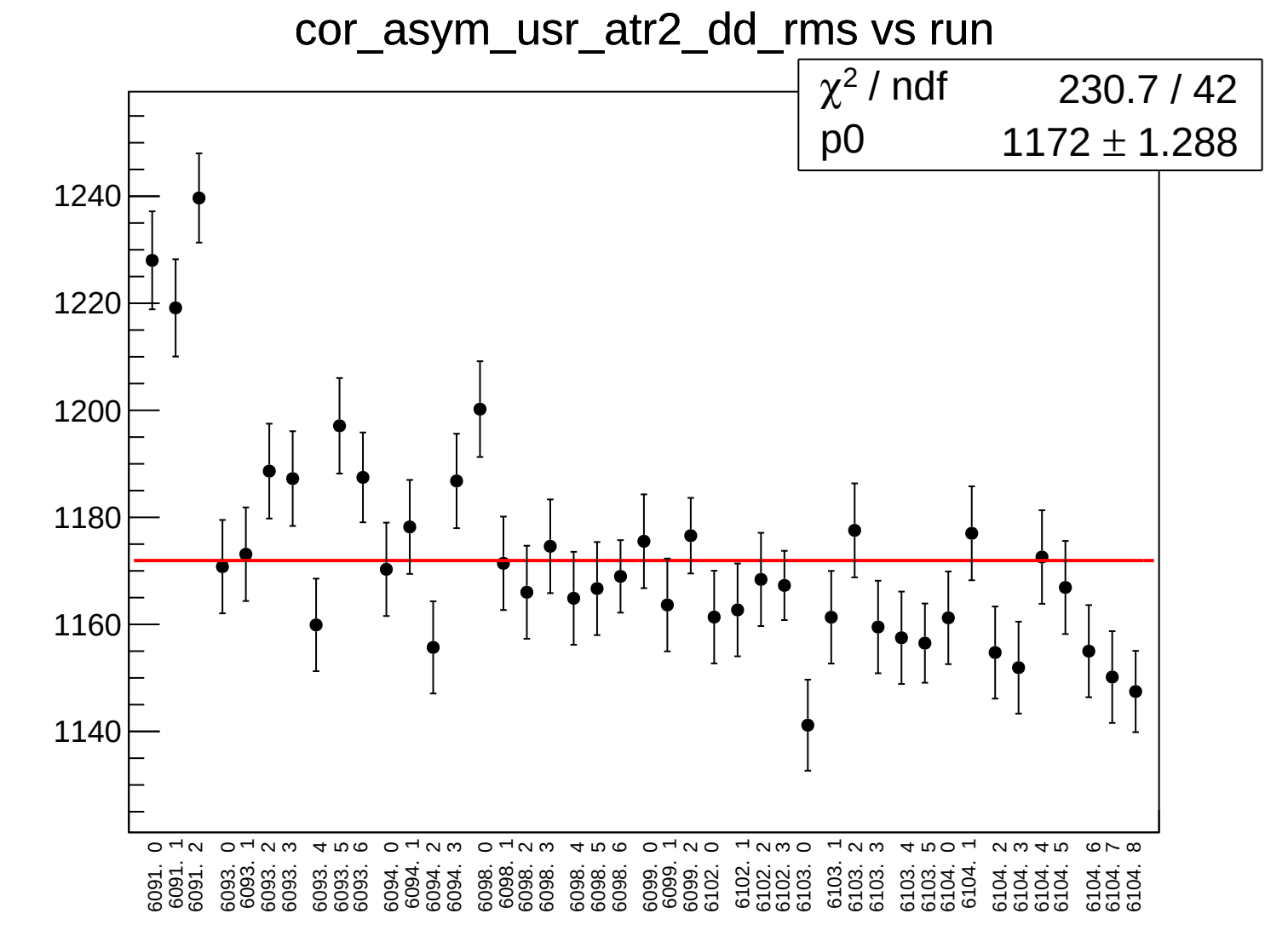

reg_asym_usr_atr2_dd_rms vs run
χ² / ndf 230.7 / 42
p0 1172 ± 1.288
1240
1220
1200
1180
1160
1140
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8


asym_usr_atr2_dd_reg_correction_mean vs run
×10^3
χ² / ndf 39.5 / 42
p0 −2672 ± 5012
100
50
0
−50
−100
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 25.16
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 43
Mean −0.00882
Std Dev 0.9584
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


asym_usr_atr2_dd_reg_correction_rms vs run
χ² / ndf 2133 / 42
p0 3220 ± 3.544
3600
3500
3400
3300
3200
3100
3000
2900
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8


cor_asym_usr_atr2_dd_mean vs run
χ² / ndf 40.32 / 42
p0 −1489 ± 1822
pull
Entries 43
Mean 57.88
Std Dev 0


pull1D
Entries 43
Mean 0.02126
Std Dev 0.9681


cor_asym_usr_atr2_dd_rms vs run
χ² / ndf 230.7 / 42
p0 1172 ± 1.288
1240
1220
1200
1180
1160
1140
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
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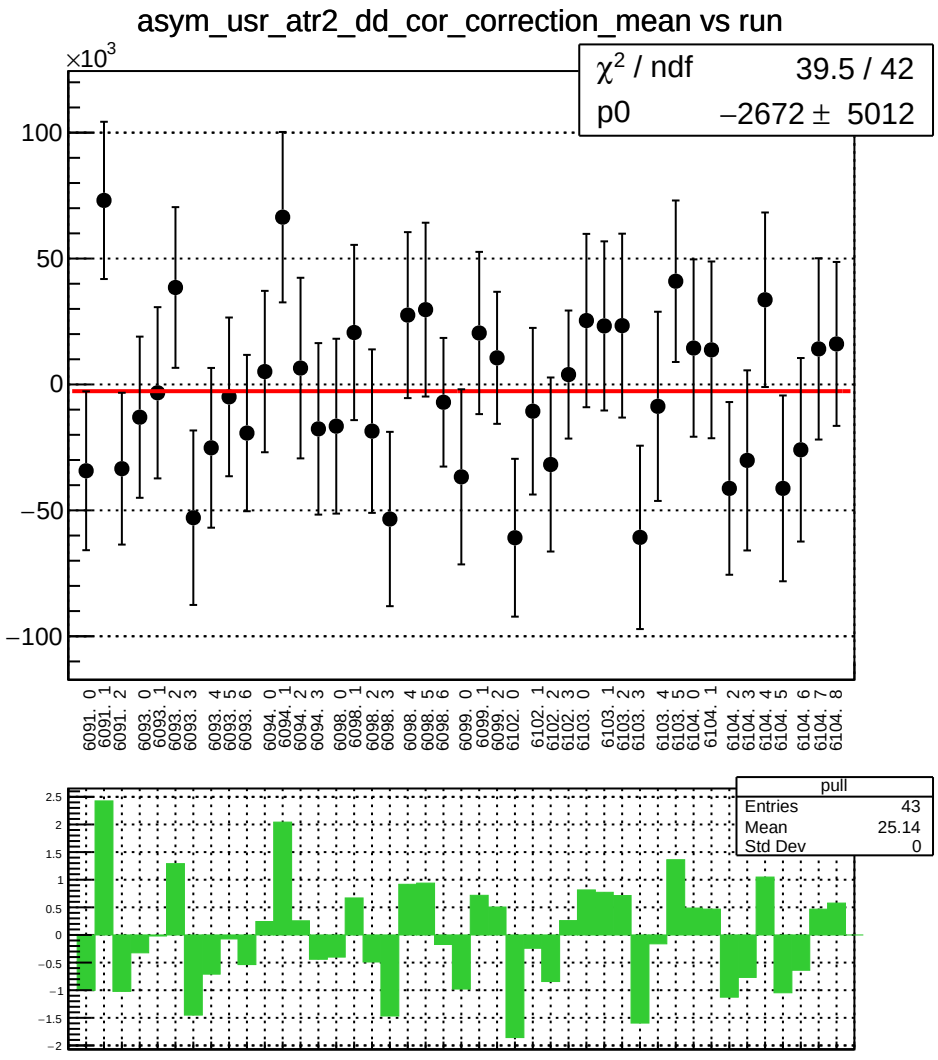
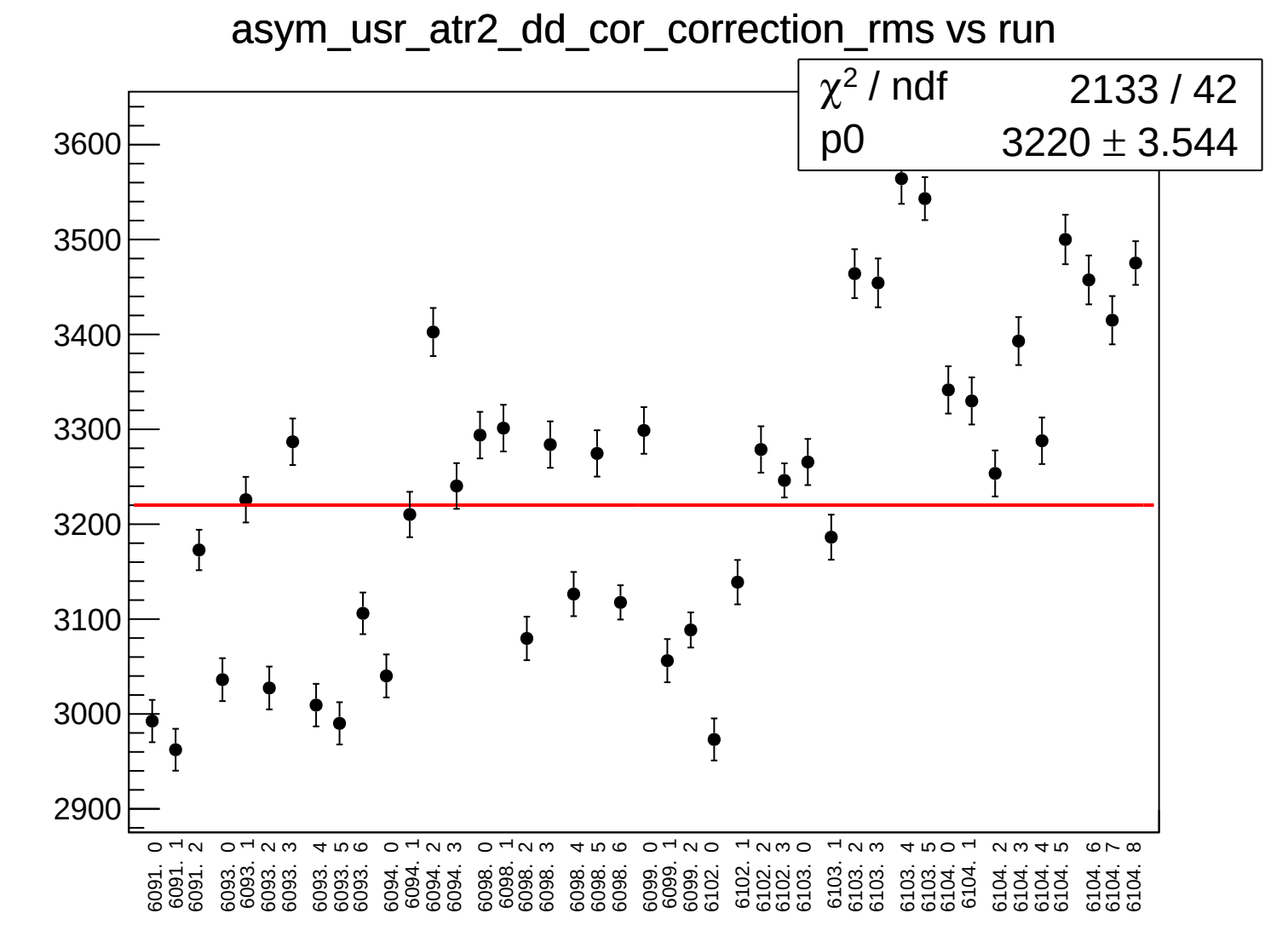
6104. 8


asym_usr_atr2_dd_cor_correction_mean vs run
×10^3
χ² / ndf 39.5 / 42
p0 −2672 ± 5012
100
50
0
−50
−100
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 25.14
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 43
Mean −0.008821
Std Dev 0.9584
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


asym_usr_atr2_dd_cor_correction_rms vs run
χ² / ndf 2133 / 42
p0 3220 ± 3.544
3600
3500
3400
3300
3200
3100
3000
2900
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
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6104. 3
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6104. 5
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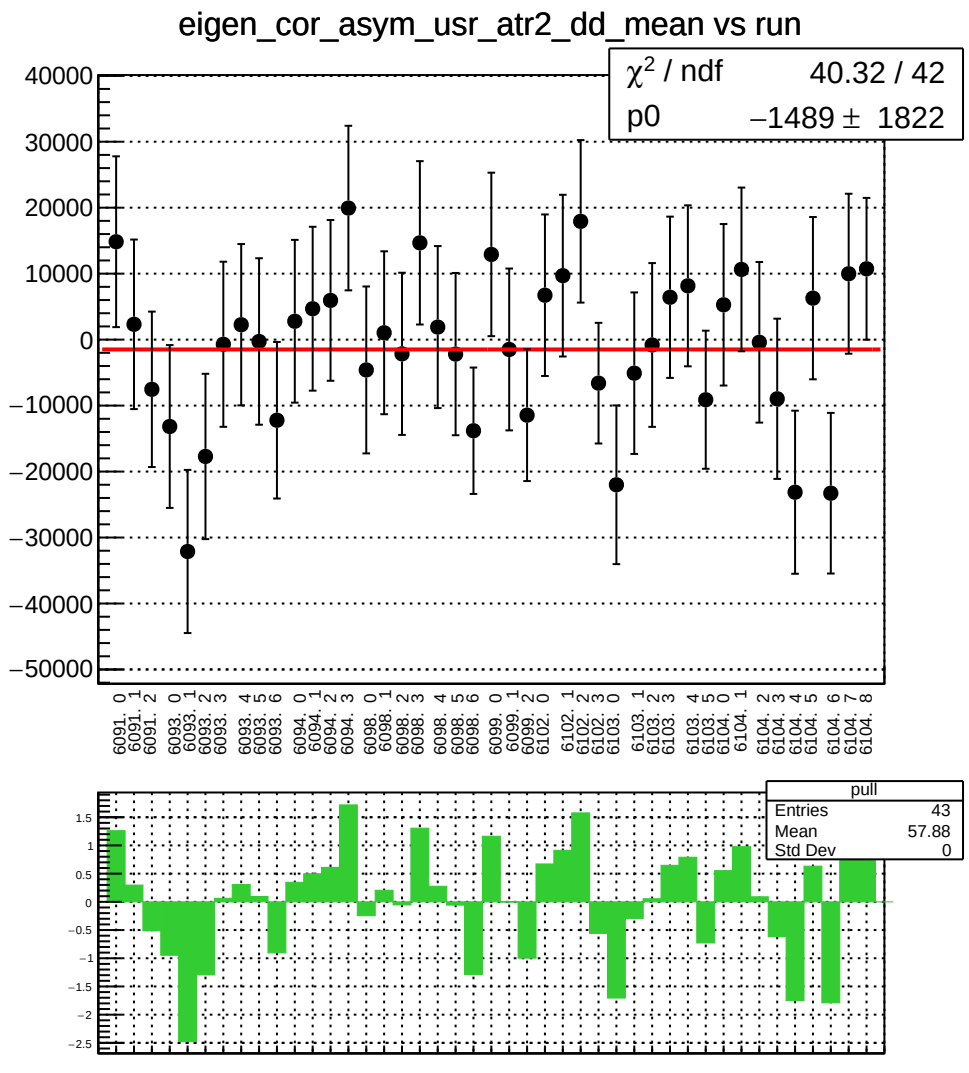
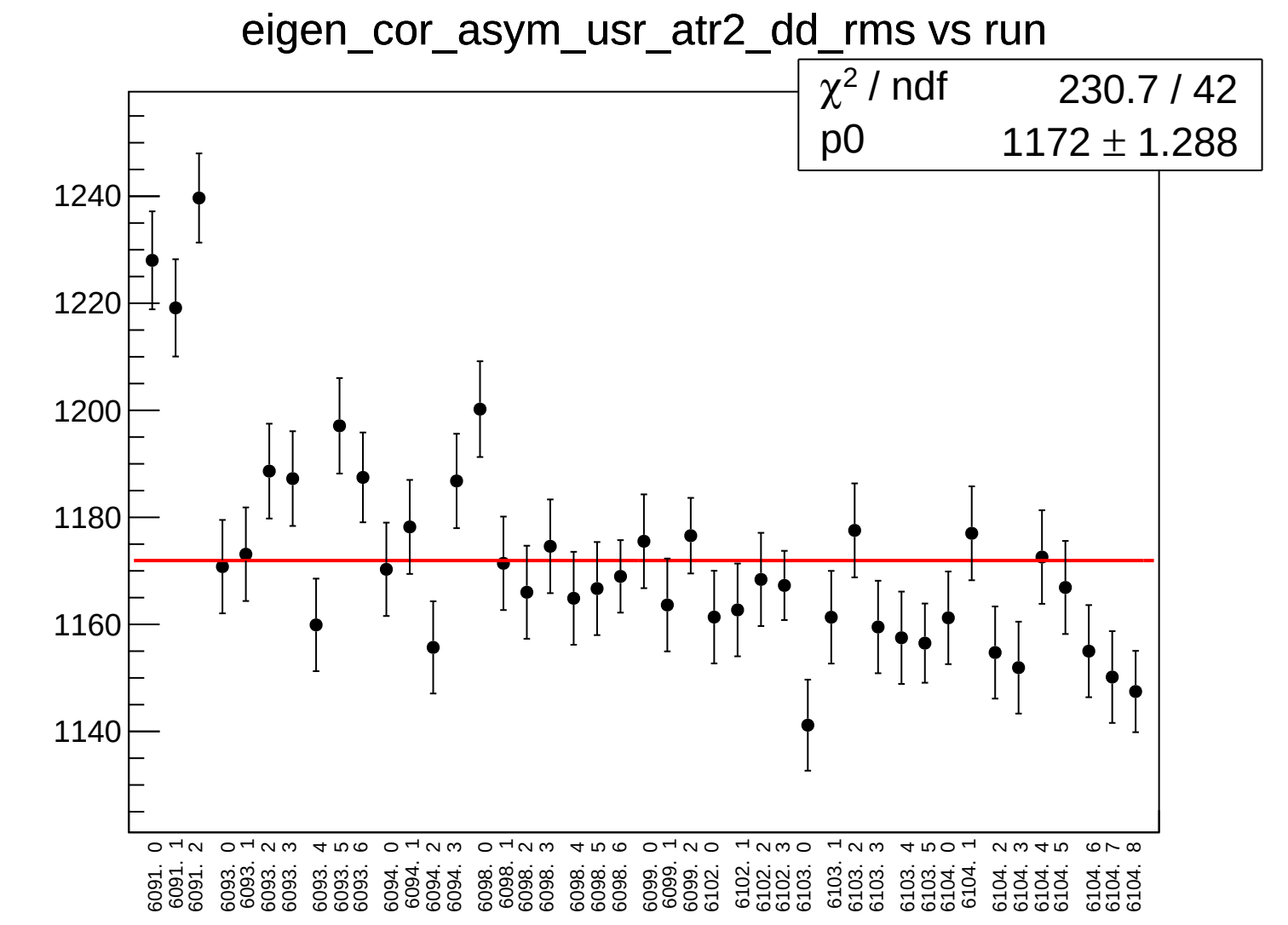
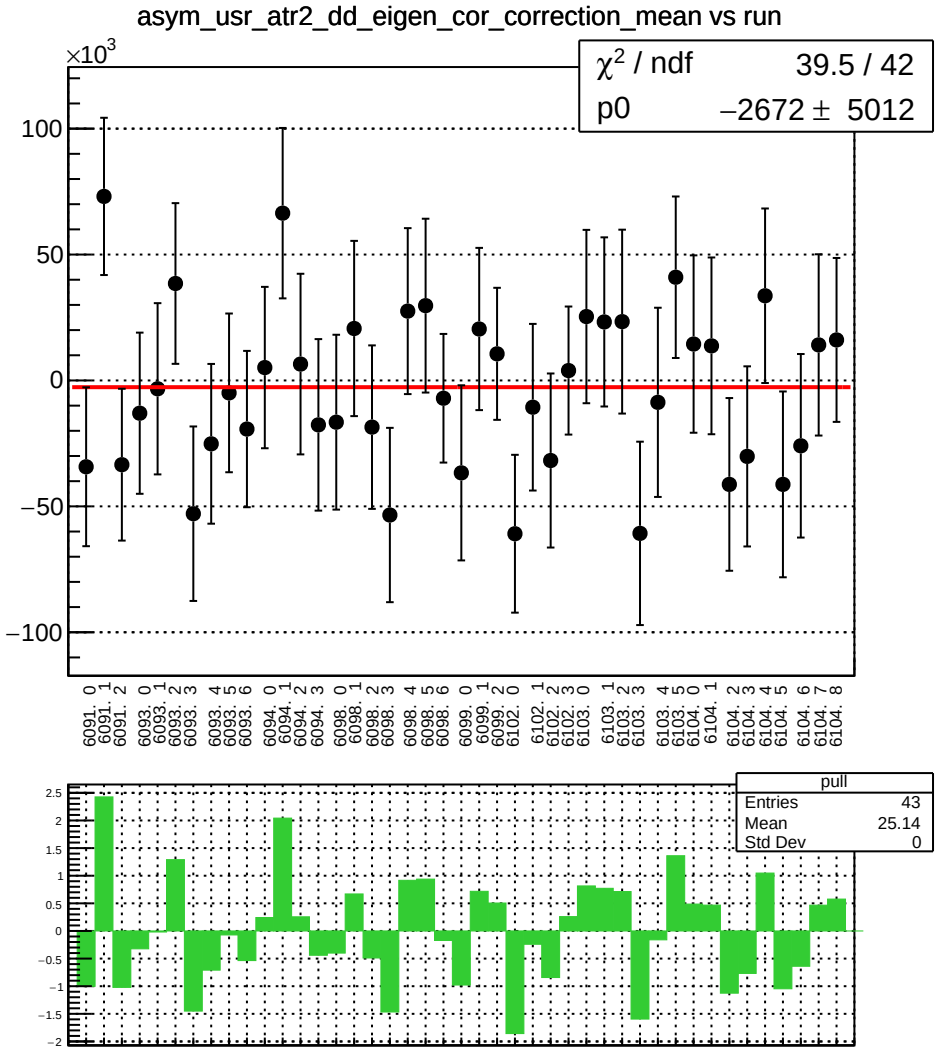
6104. 7
6104. 8


eigen_cor_asym_usr_atr2_dd_mean vs run
χ² / ndf 40.32 / 42
p0 −1489 ± 1822
40000
30000
20000
10000
0
−10000
−20000
−30000
−40000
−50000
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 57.88
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5
pull1D
Entries 43
Mean 0.02126
Std Dev 0.9681
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


eigen_cor_asym_usr_atr2_dd_rms vs run
χ² / ndf 230.7 / 42
p0 1172 ± 1.288
1240
1220
1200
1180
1160
1140
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8


asym_usr_atr2_dd_eigen_cor_correction_mean vs run
×10^3
χ² / ndf 39.5 / 42
p0 −2672 ± 5012
100
50
0
−50
−100
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 25.14
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 43
Mean −0.008821
Std Dev 0.9584
9
8
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−8
−6
−4
−2
0
2
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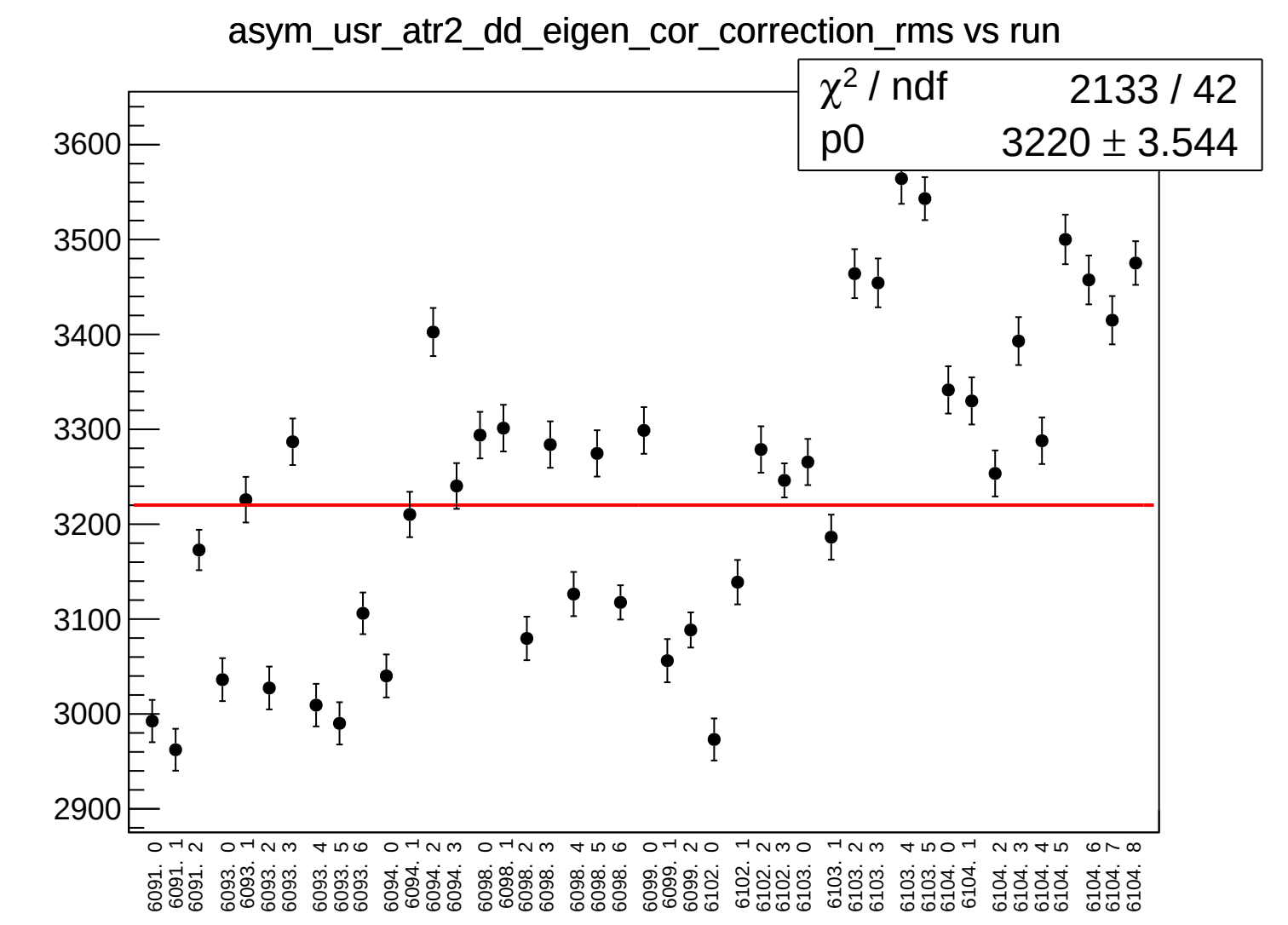
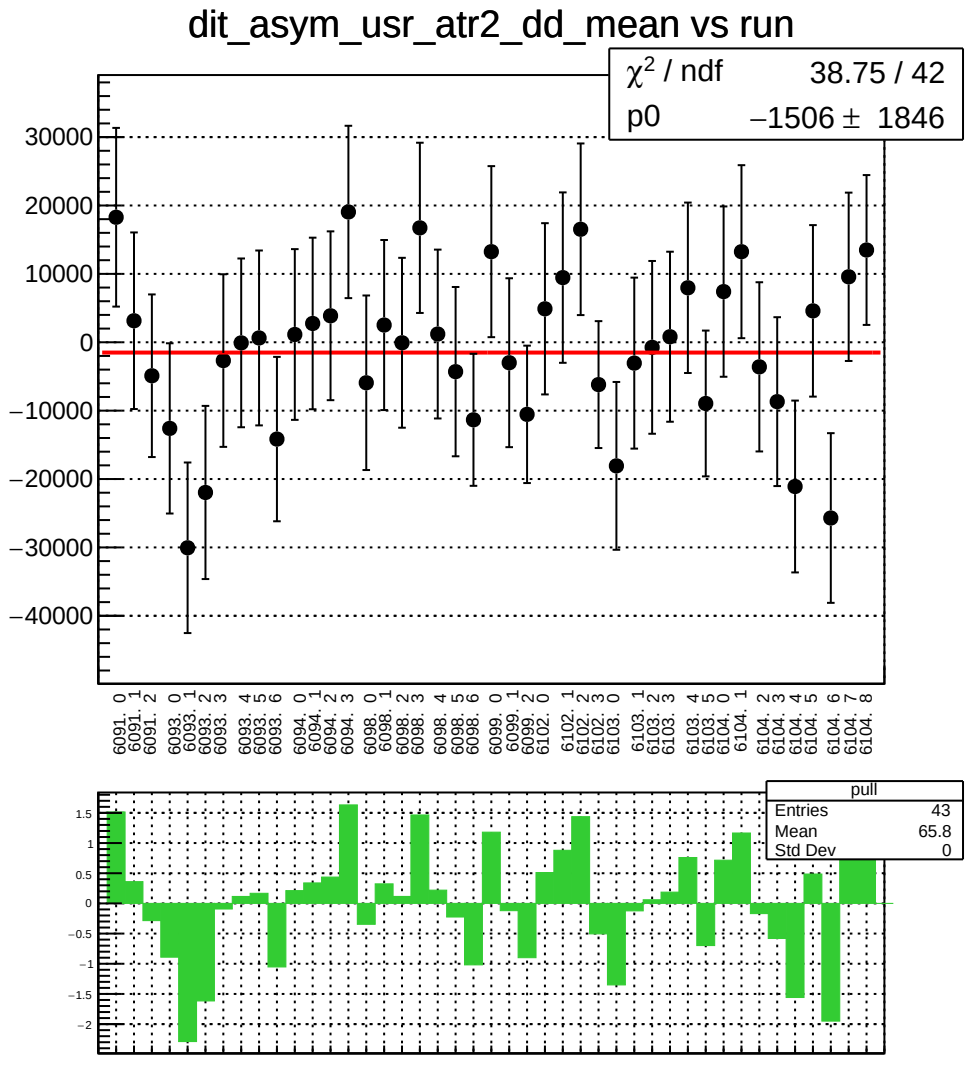
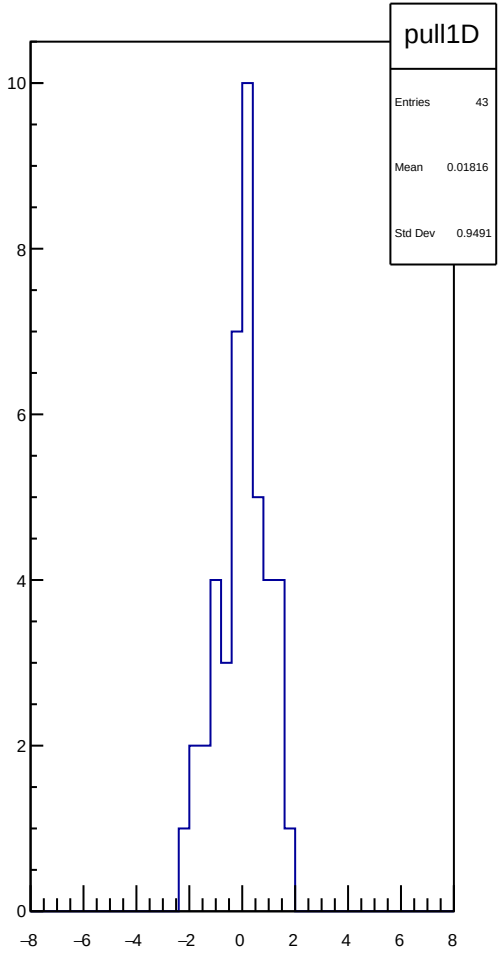
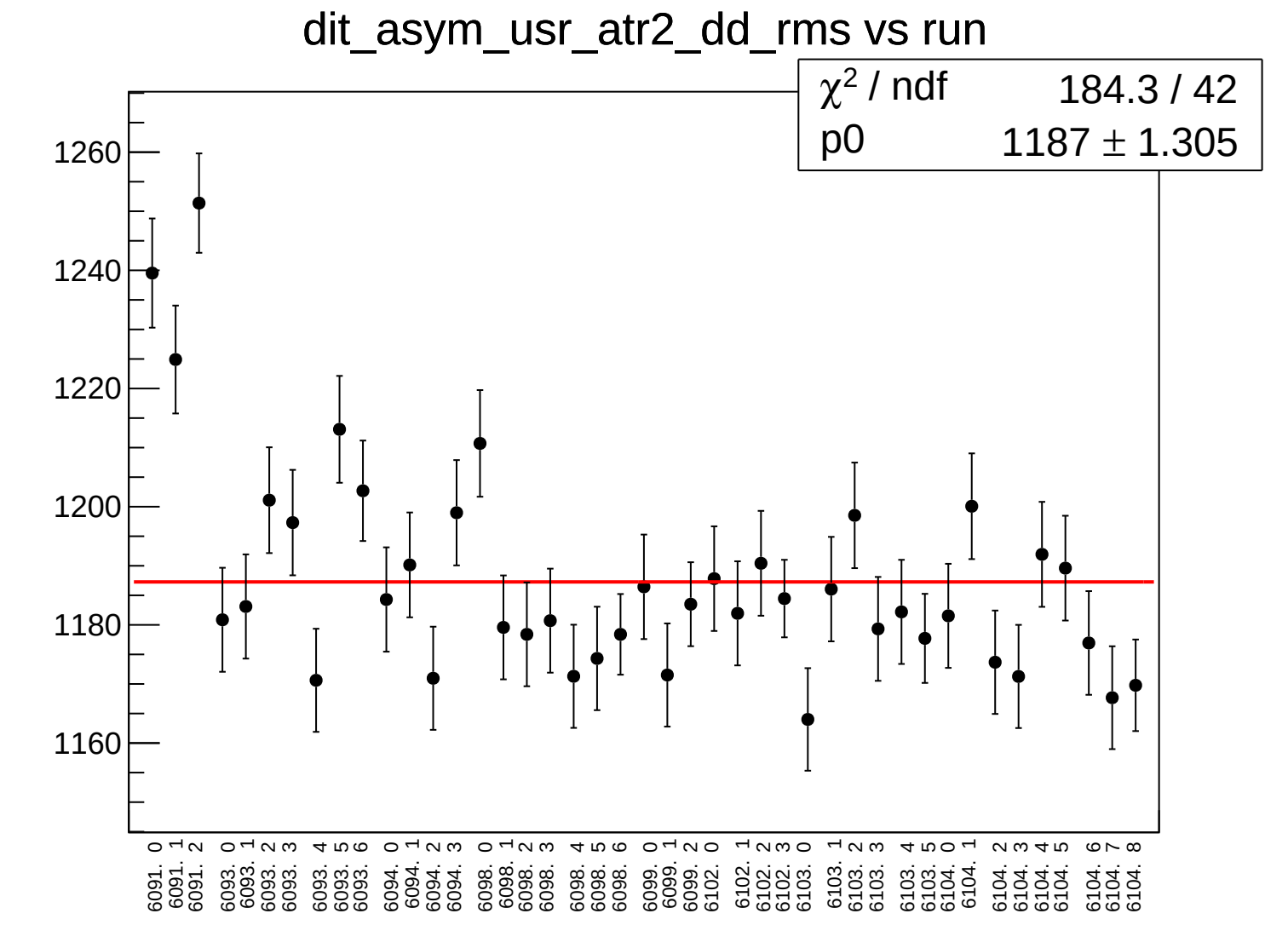
6
8


asym_usr_atr2_dd_eigen_cor_correction_rms vs run
χ² / ndf 2133 / 42
p0 3220 ± 3.544
3600
3500
3400
3300
3200
3100
3000
2900
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8


dit_asym_usr_atr2_dd_mean vs run
χ² / ndf 38.75 / 42
p0 −1506 ± 1846
30000
20000
10000
0
−10000
−20000
−30000
−40000
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 65.8
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2


pull1D
Entries 43
Mean 0.01816
Std Dev 0.9491
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


dit_asym_usr_atr2_dd_rms vs run
χ² / ndf 184.3 / 42
p0 1187 ± 1.305
1260
1240
1220
1200
1180
1160
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
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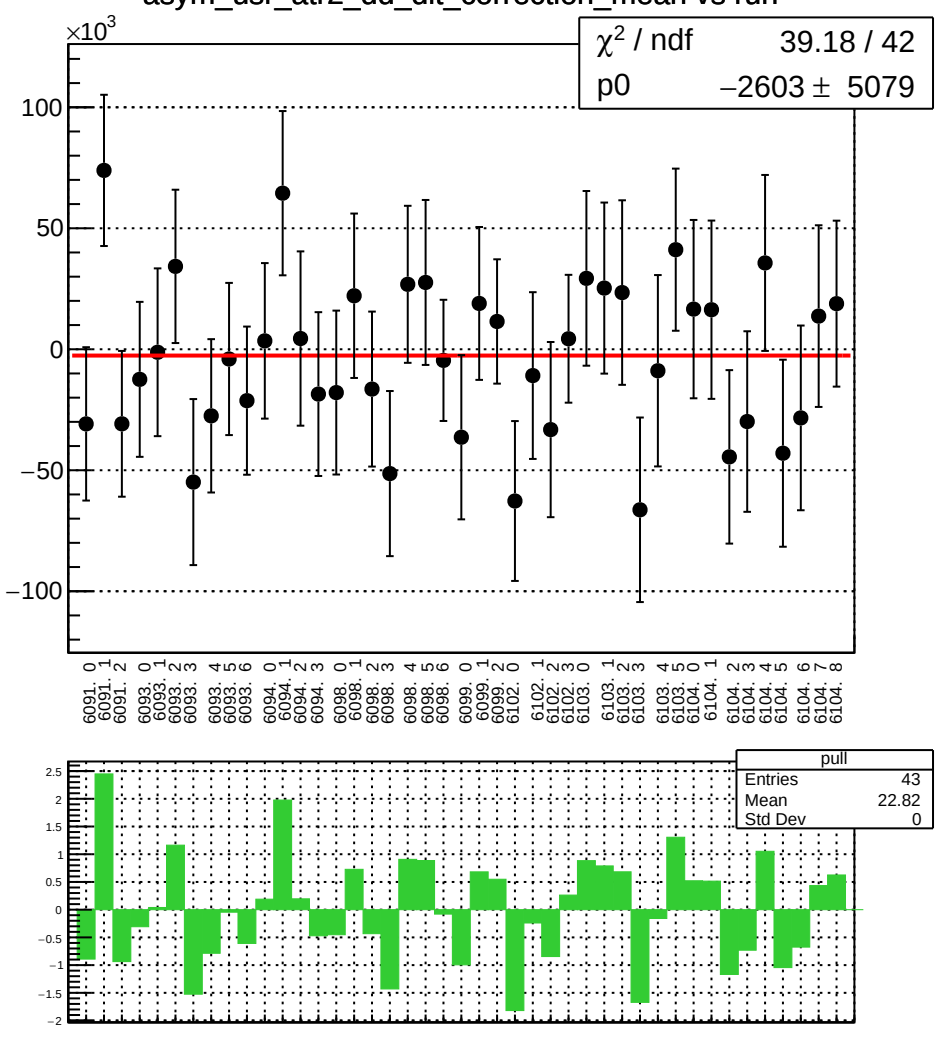
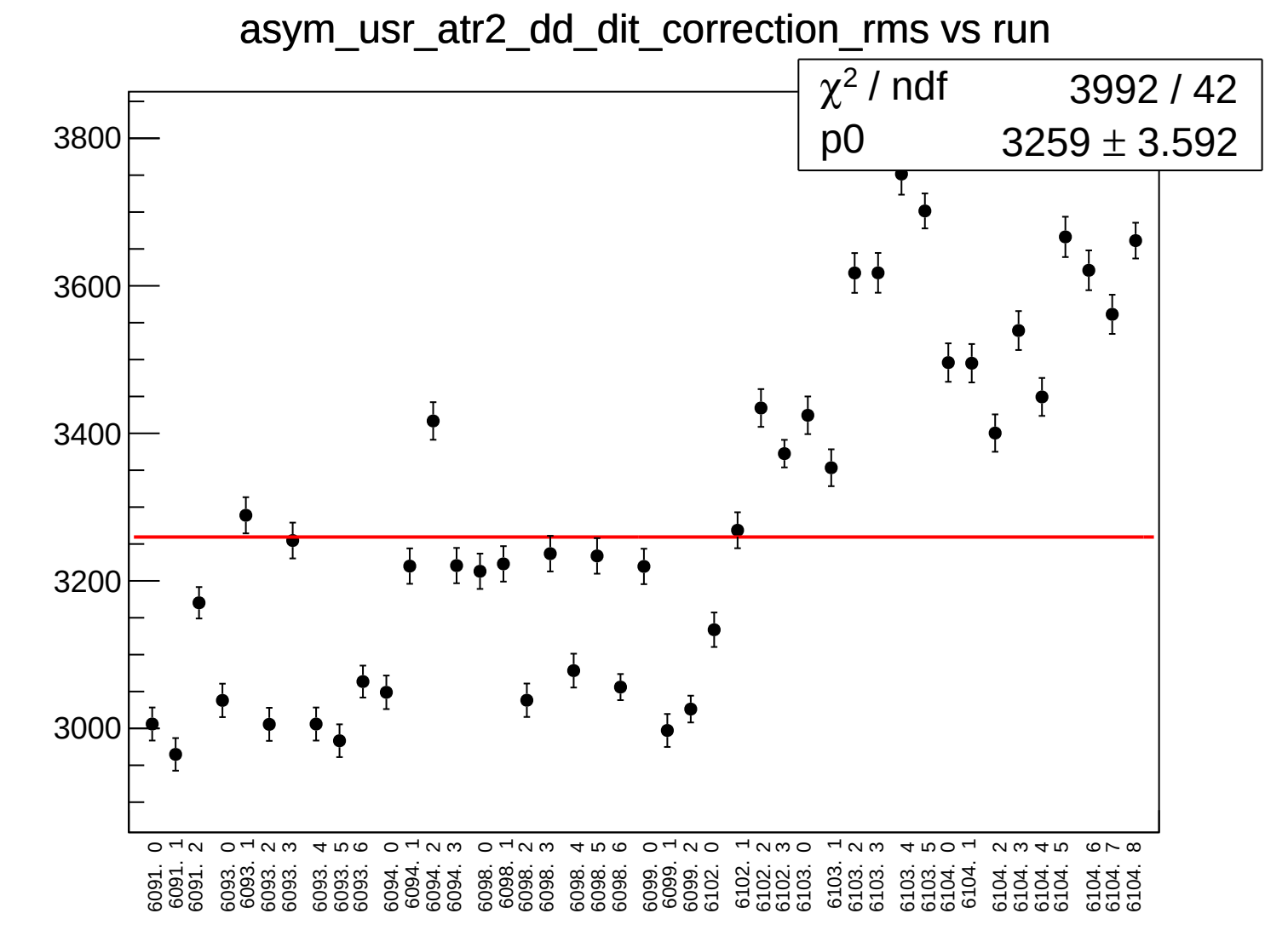
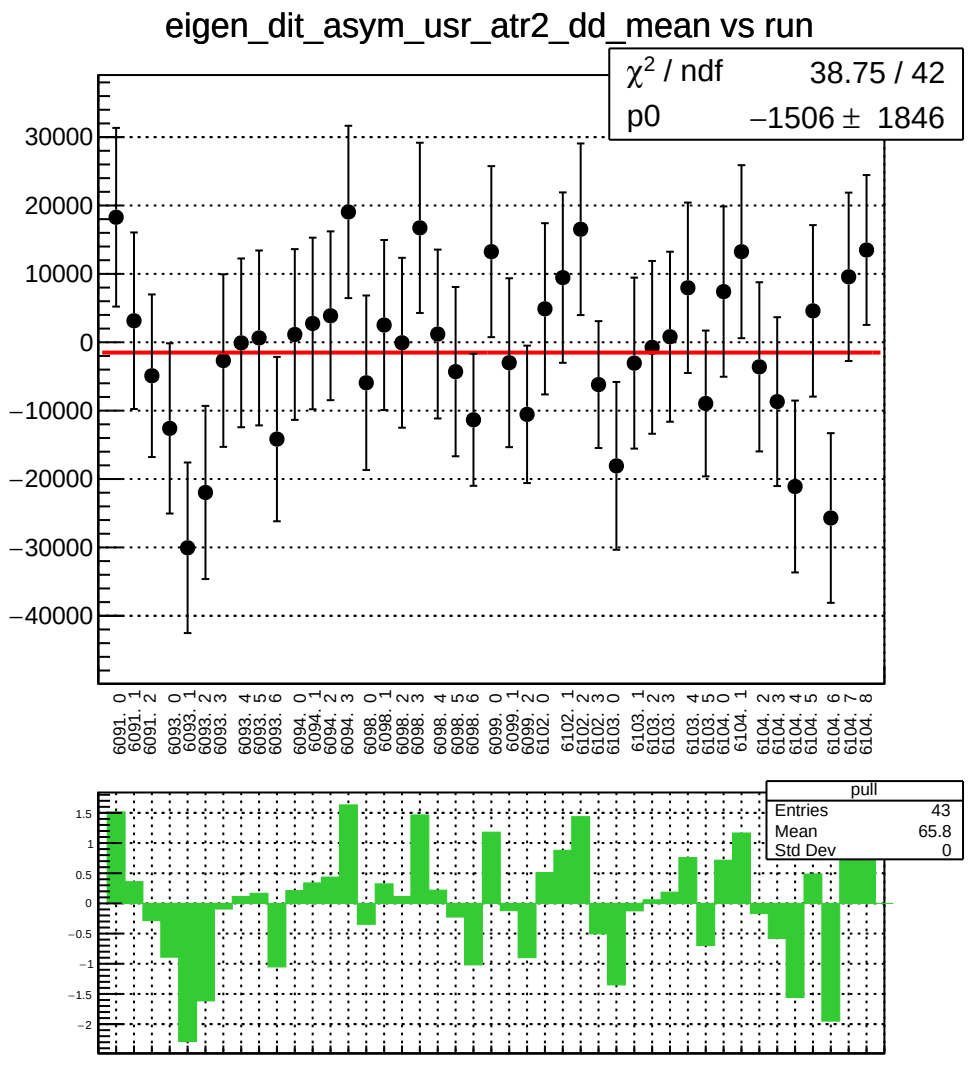
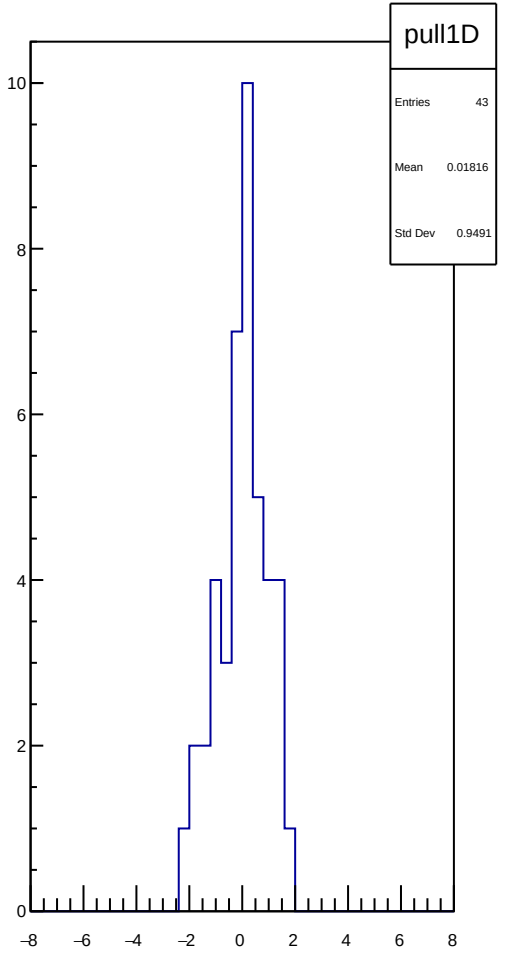
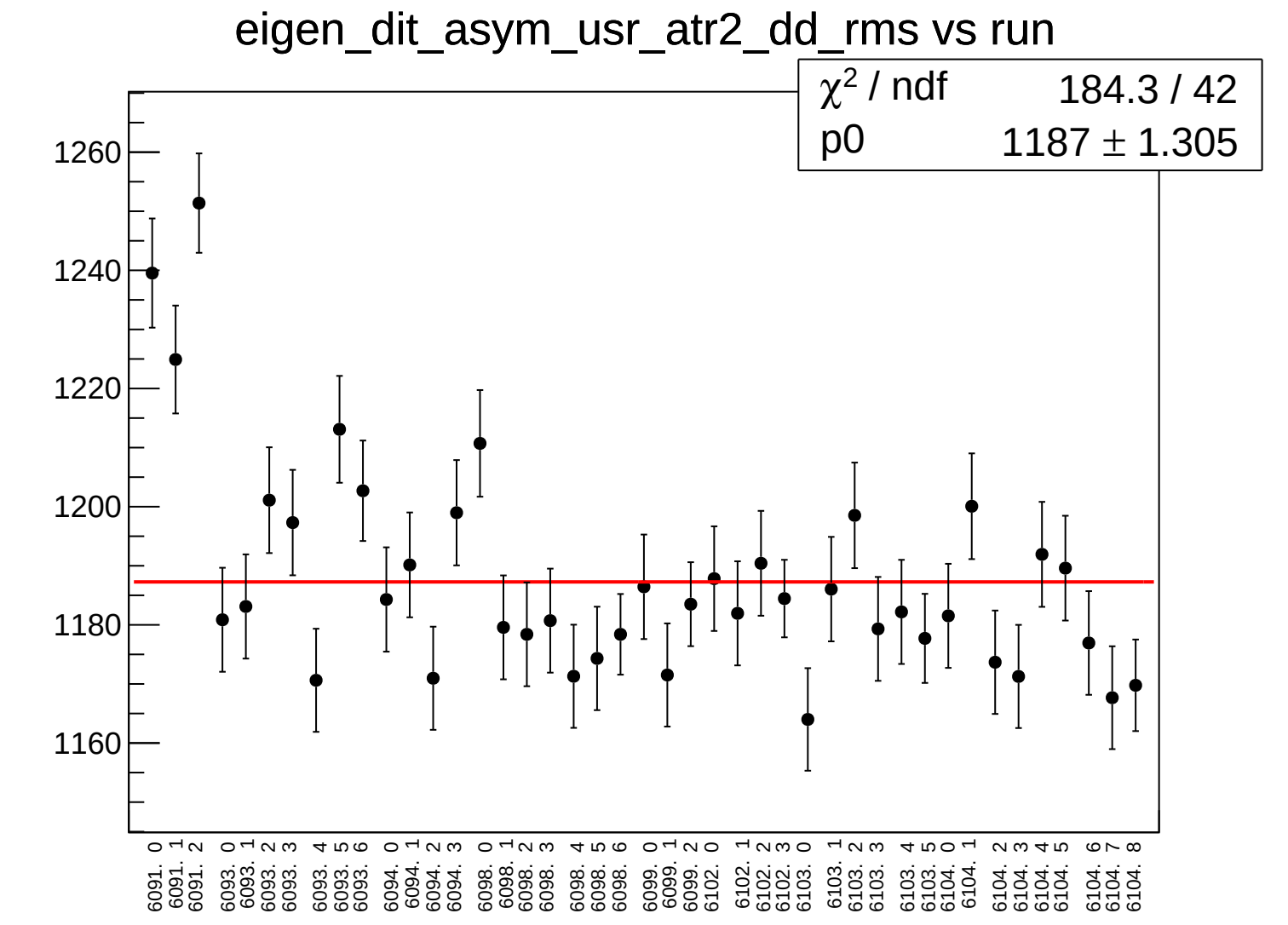
6104. 5
6104. 6
6104. 7
6104. 8


asym_usr_atr2_dd_dit_correction_mean vs run
×10^3
χ² / ndf 39.18 / 42
p0 −2603 ± 5079
100
50
0
−50
−100
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 22.82
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 43
Mean −0.011
Std Dev 0.9545
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 3992 / 42
p0 3259 ± 3.592
3800
3600
3400
3200
3000
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8


eigen_dit_asym_usr_atr2_dd_mean vs run
χ² / ndf 38.75 / 42
p0 −1506 ± 1846
30000
20000
10000
0
−10000
−20000
−30000
−40000
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 65.8
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2


pull1D
Entries 43
Mean 0.01816
Std Dev 0.9491
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


eigen_dit_asym_usr_atr2_dd_rms vs run
χ² / ndf 184.3 / 42
p0 1187 ± 1.305
1260
1240
1220
1200
1180
1160
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
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6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
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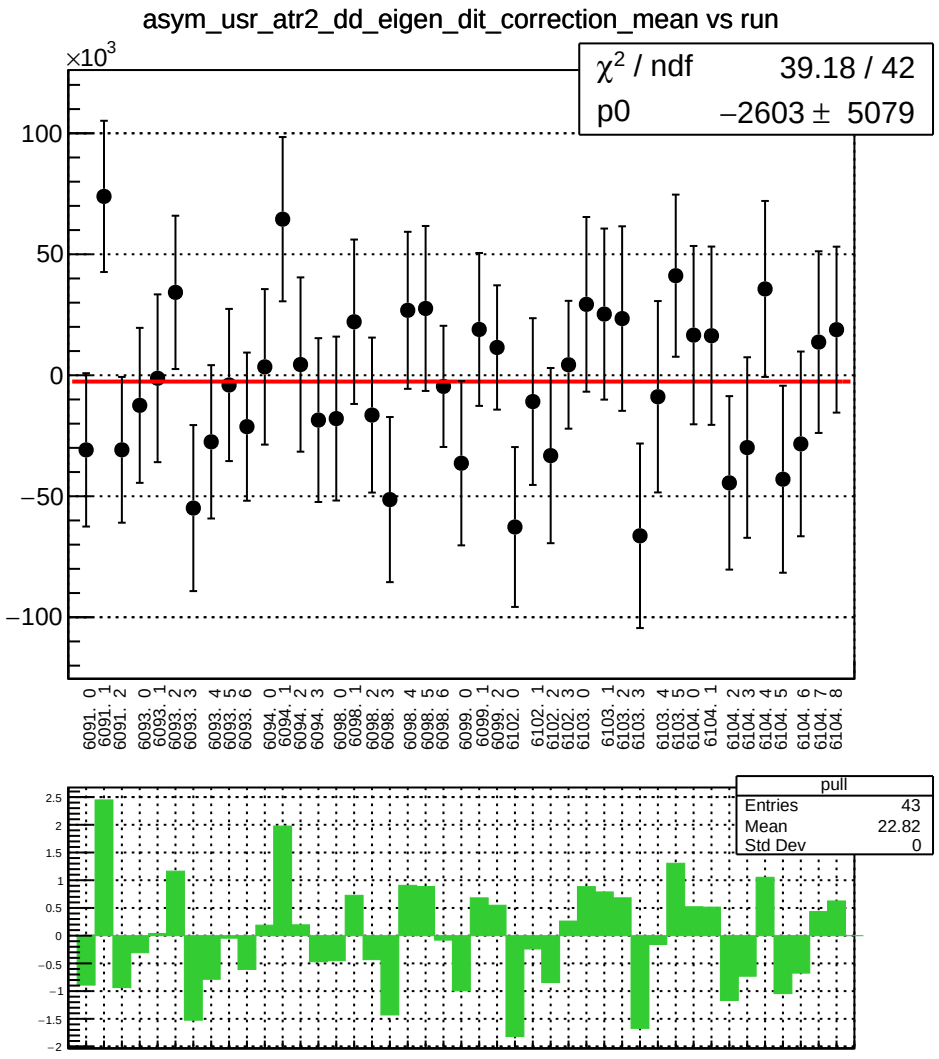
6104. 6
6104. 7
6104. 8


asym_usr_atr2_dd_eigen_dit_correction_mean vs run
×10^3
χ² / ndf 39.18 / 42
p0 −2603 ± 5079
100
50
0
−50
−100
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 22.82
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 43
Mean −0.011
Std Dev 0.9545
9
8
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4
3
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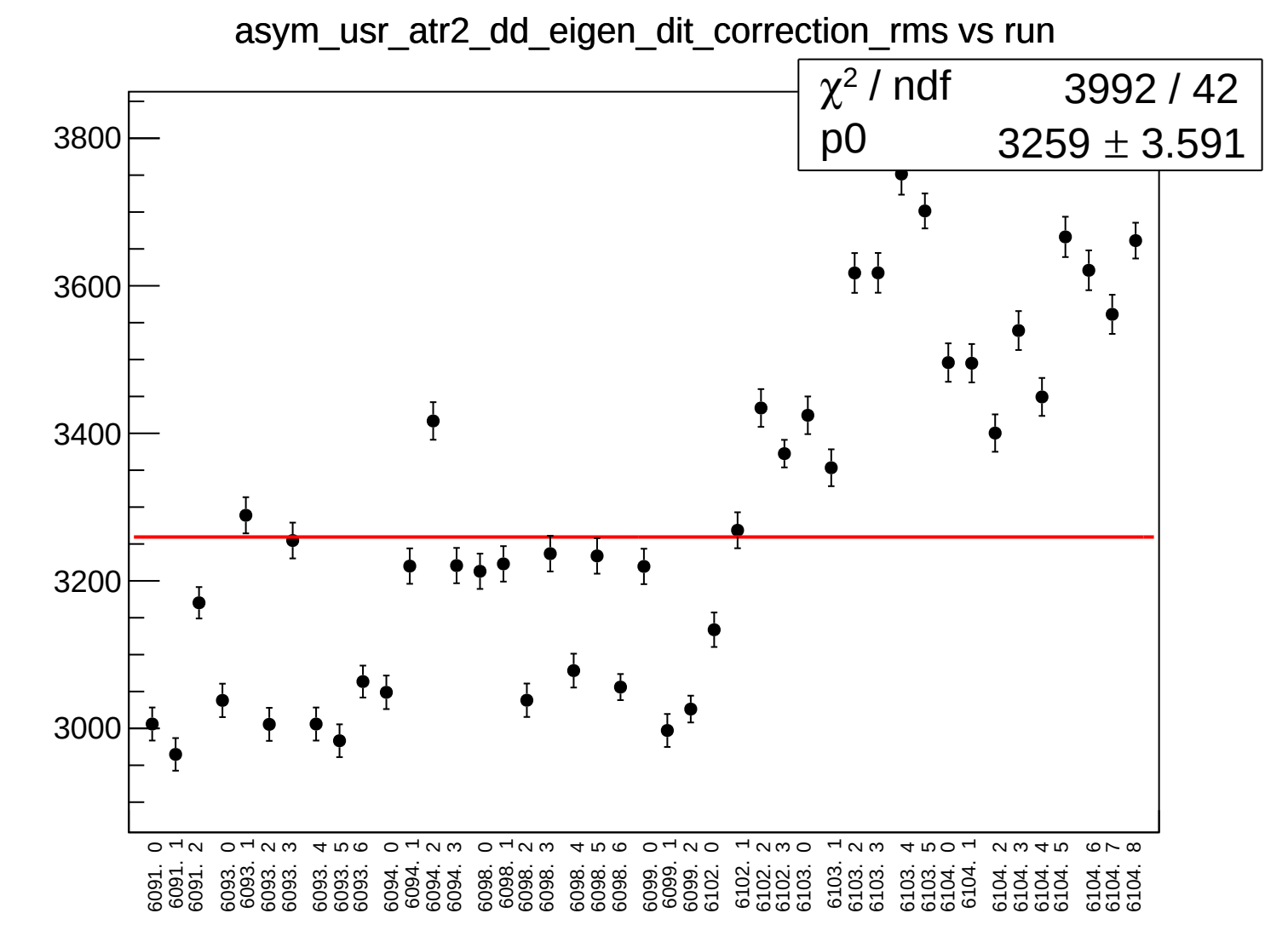
1
0
−8
−6
−4
−2
0
2
4
6
8


asym_usr_atr2_dd_eigen_dit_correction_rms vs run
χ² / ndf 3992 / 42
p0 3259 ± 3.591
3800
3600
3400
3200
3000
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
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6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
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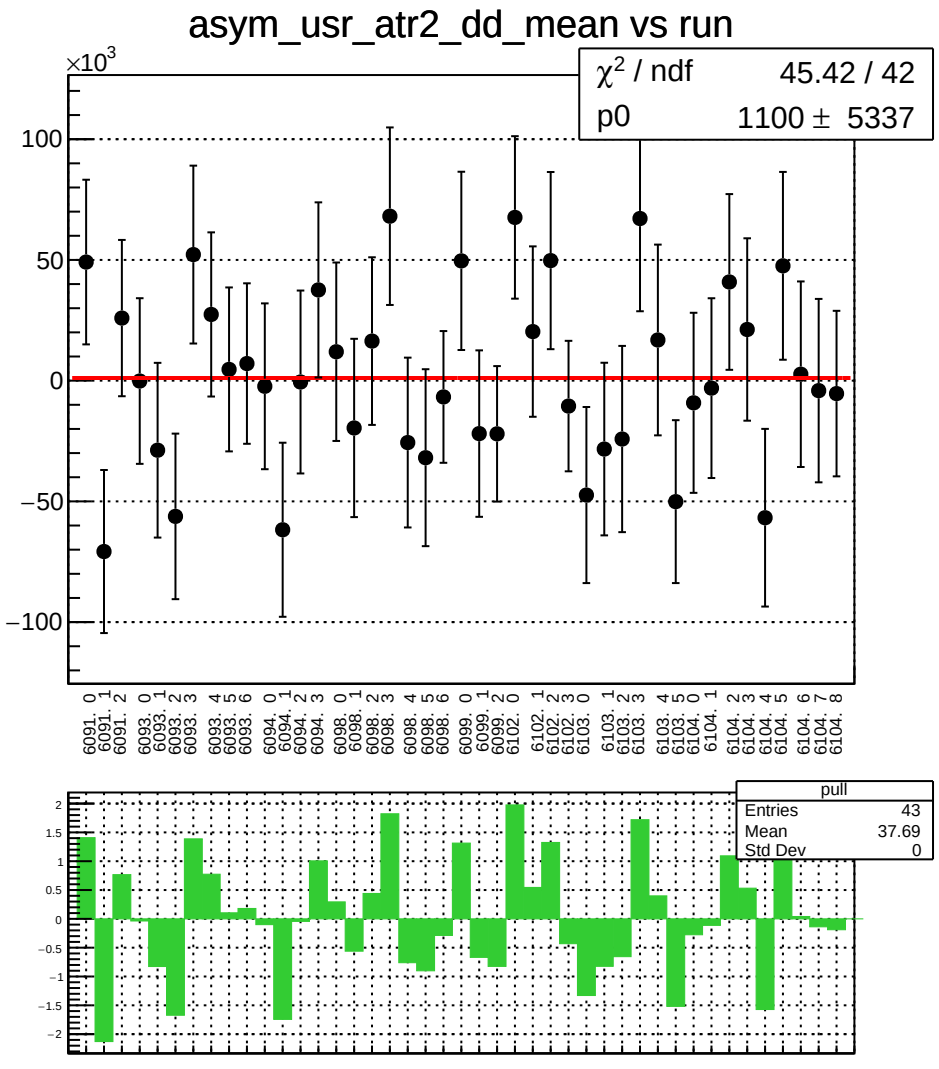
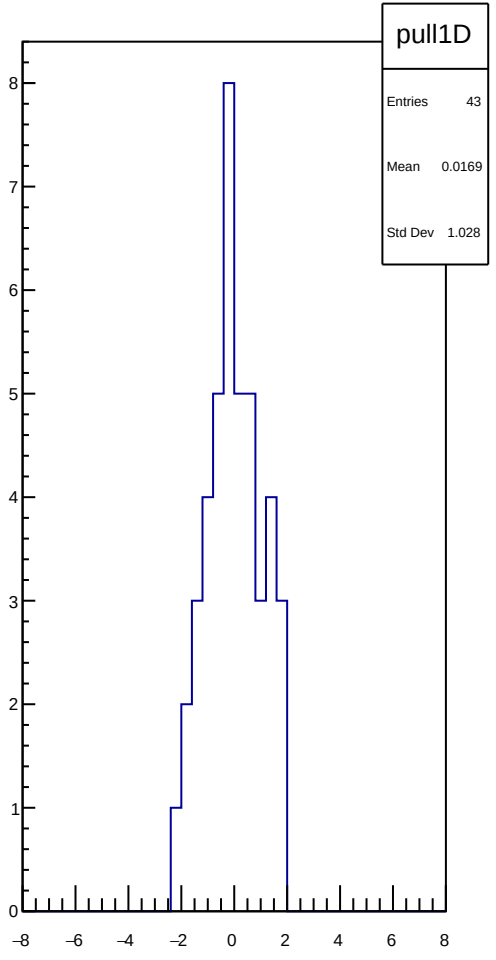
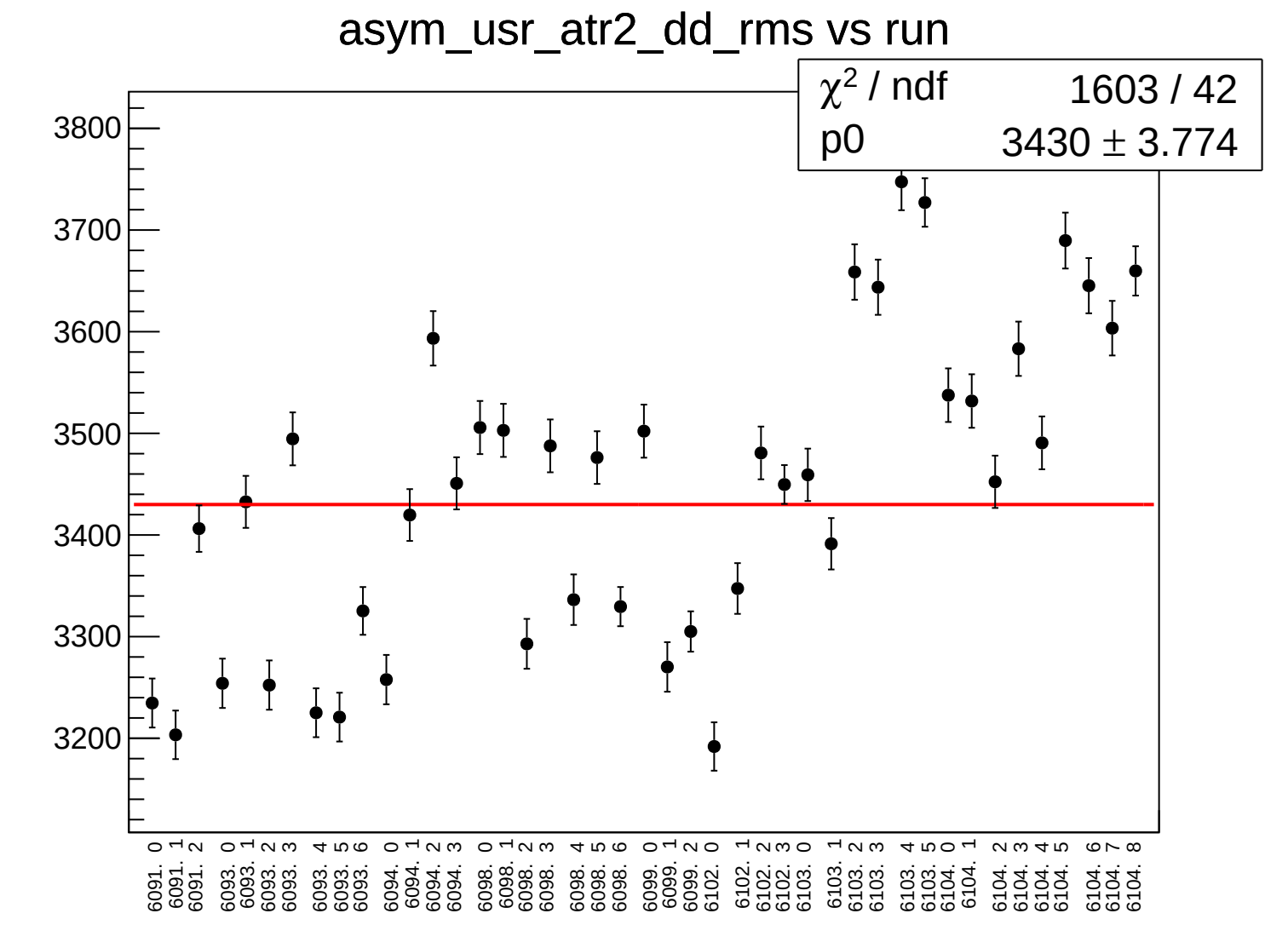
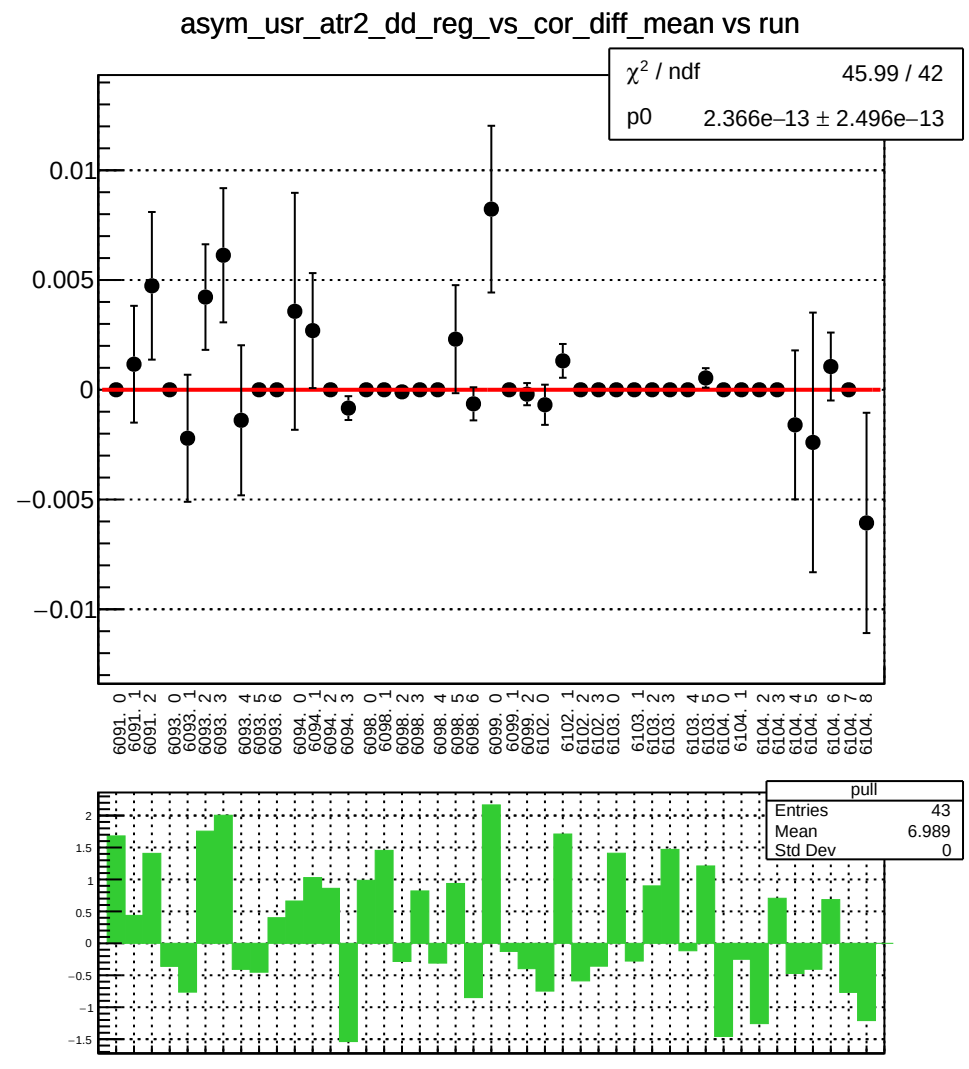
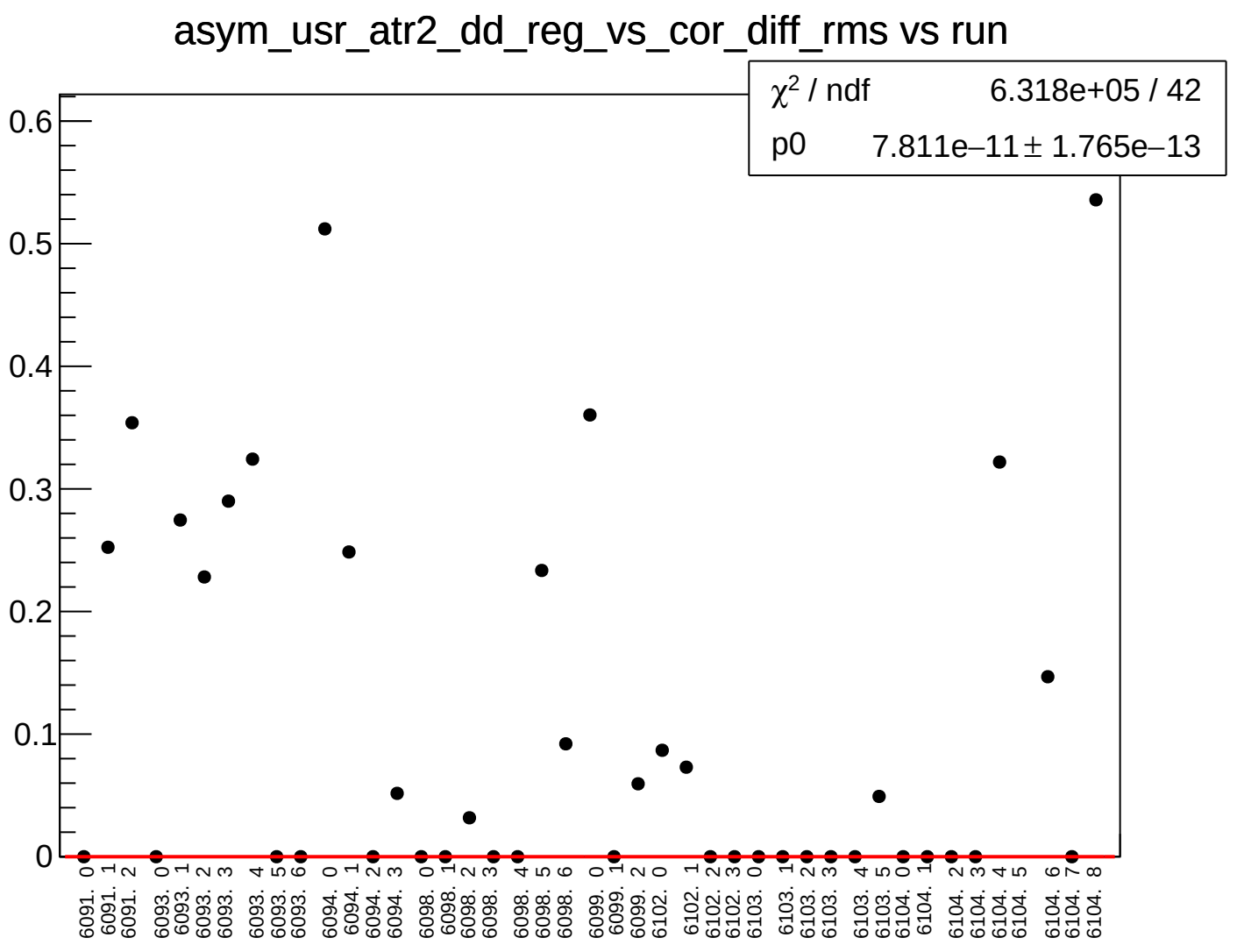
6104. 6
6104. 7
6104. 8

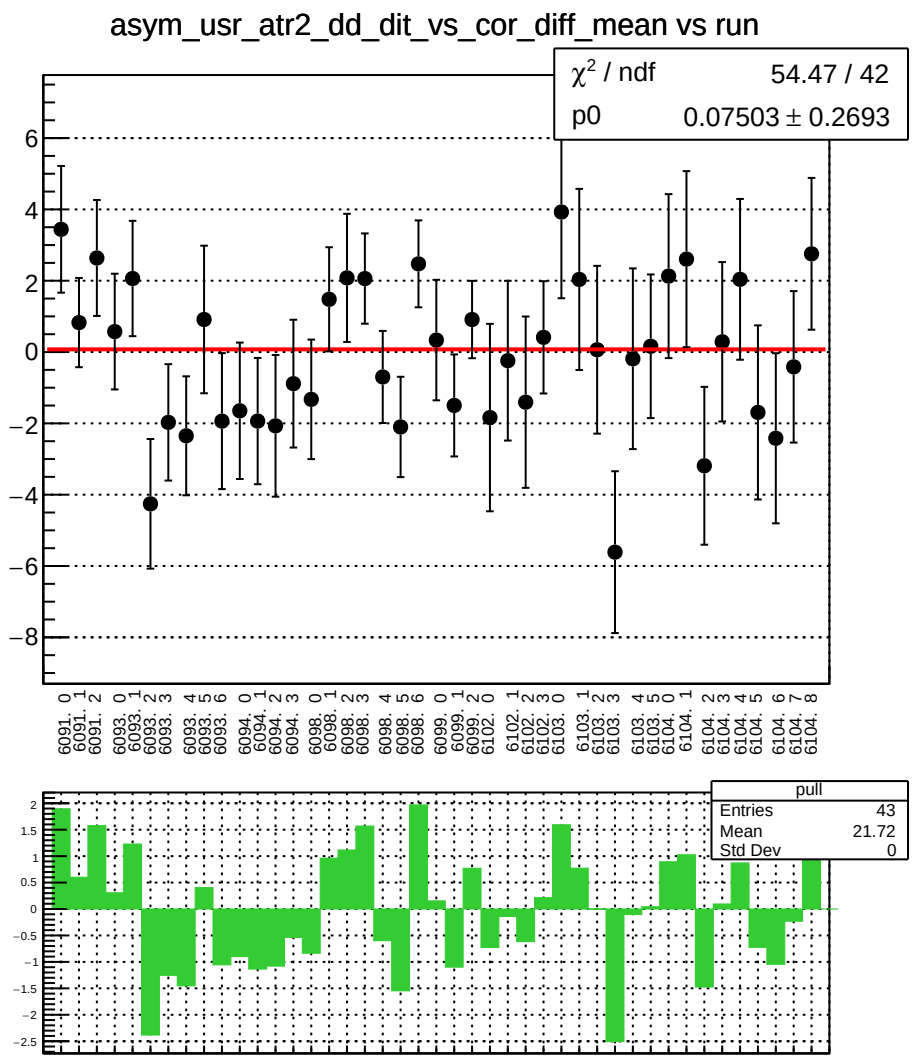

asym_usr_atr2_dd_mean vs run
×10^3
χ² / ndf 45.42 / 42
p0 1100 ± 5337
100
50
0
−50
−100
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 37.69
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

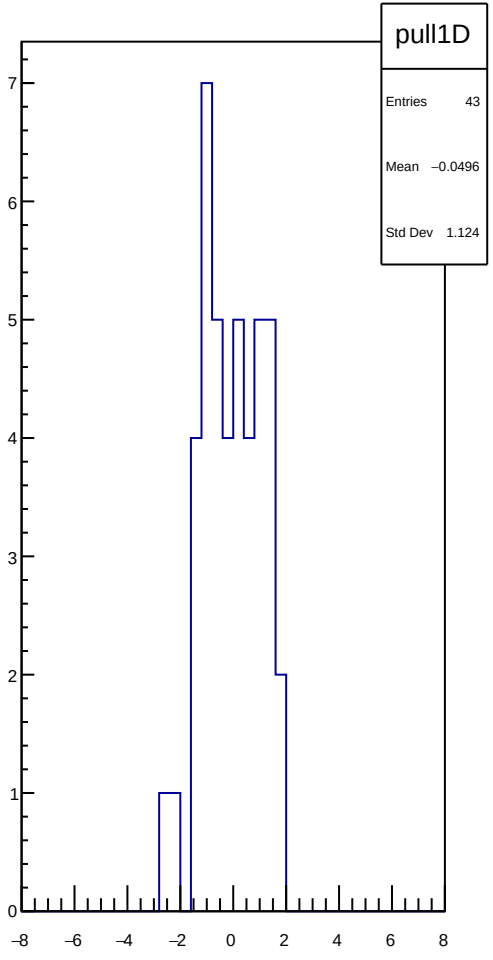

pull1D
Entries 43
Mean 0.0169
Std Dev 1.028
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

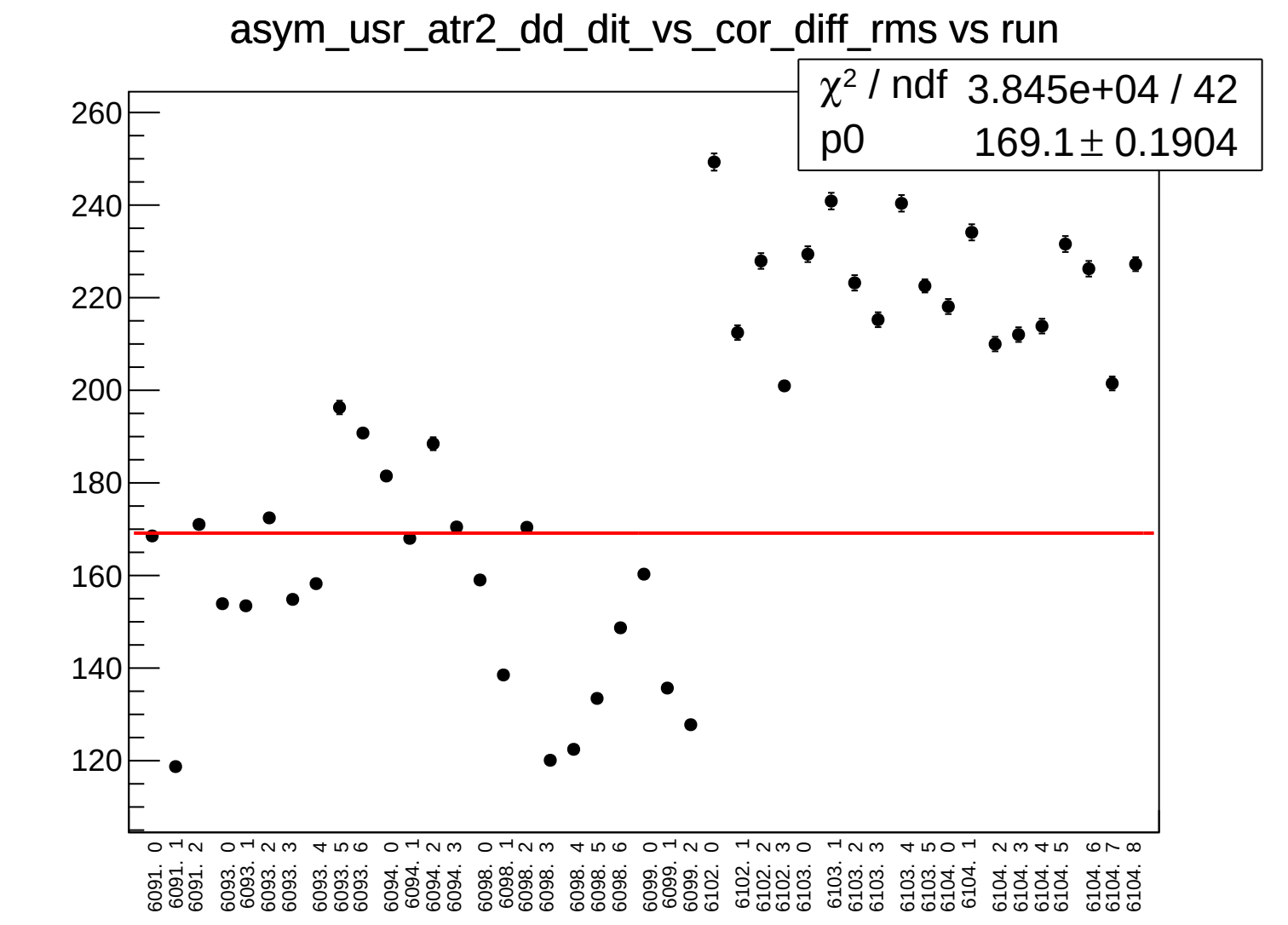

asym_usr_atr2_dd_rms vs run
χ² / ndf 1603 / 42
p0 3430 ± 3.774
3800
3700
3600
3500
3400
3300
3200
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

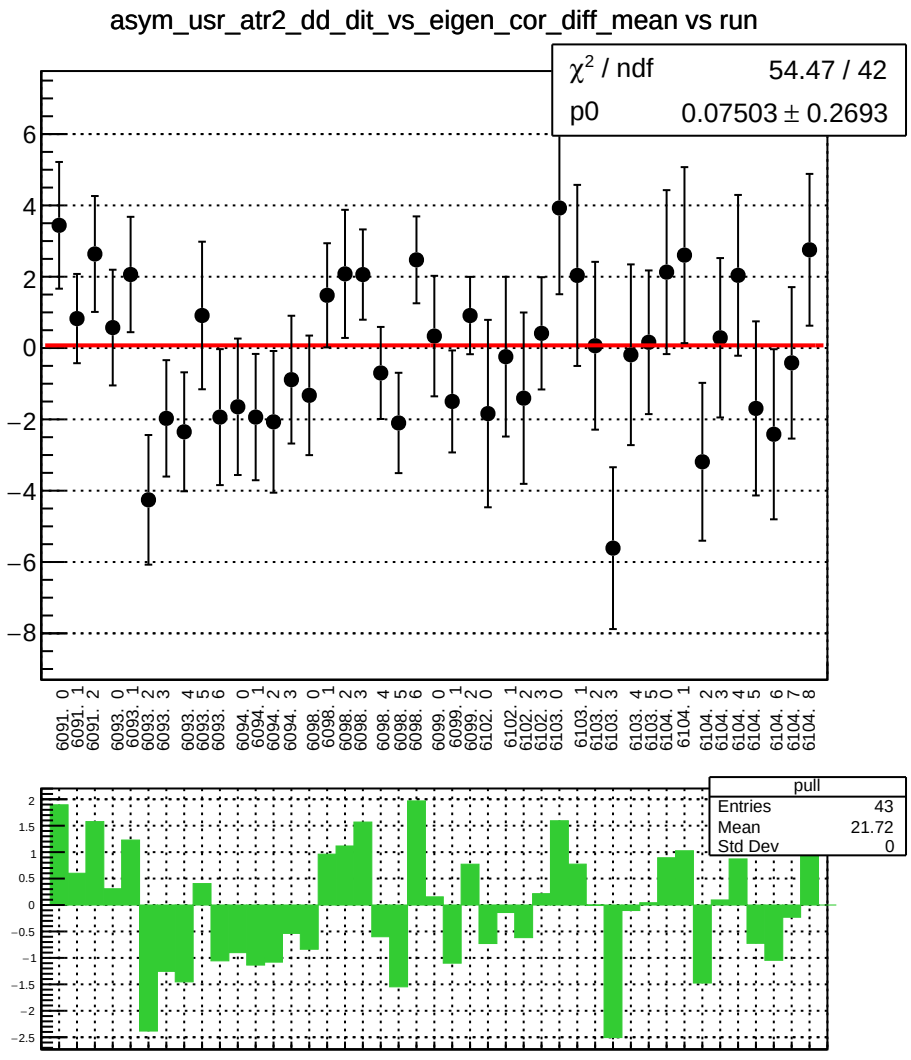

asym_usr_atr2_dd_reg_vs_cor_diff_mean vs run
χ² / ndf 45.99 / 42
p0 2.366e−13 ± 2.496e−13
0.01
0.005
0
−0.005
−0.01
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 6.989
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 43
Mean 0.263
Std Dev 1
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

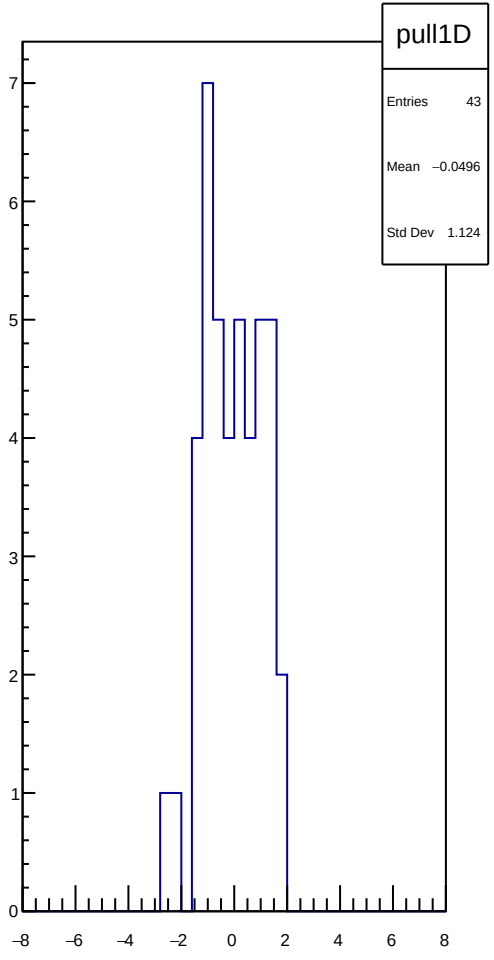

asym_usr_atr2_dd_reg_vs_cor_diff_rms vs run
χ² / ndf 6.318e+05 / 42
p0 7.811e−11 ± 1.765e−13
0.6
0.5
0.4
0.3
0.2
0.1
0
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

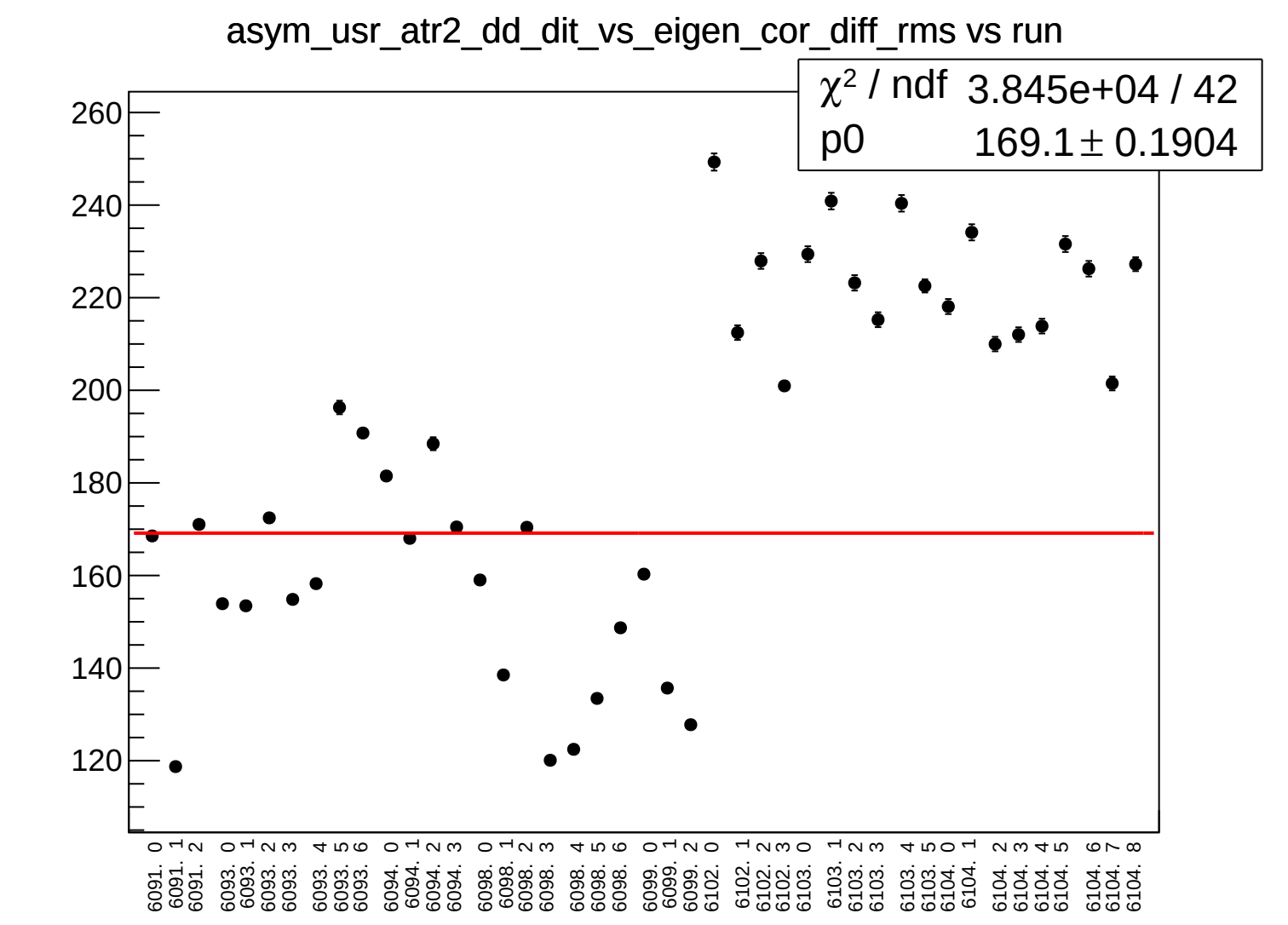

asym_usr_atr2_dd_dit_vs_cor_diff_mean vs run
χ² / ndf 54.47 / 42
p0 0.07503 ± 0.2693
6
4
2
0
−2
−4
−6
−8
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 21.72
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

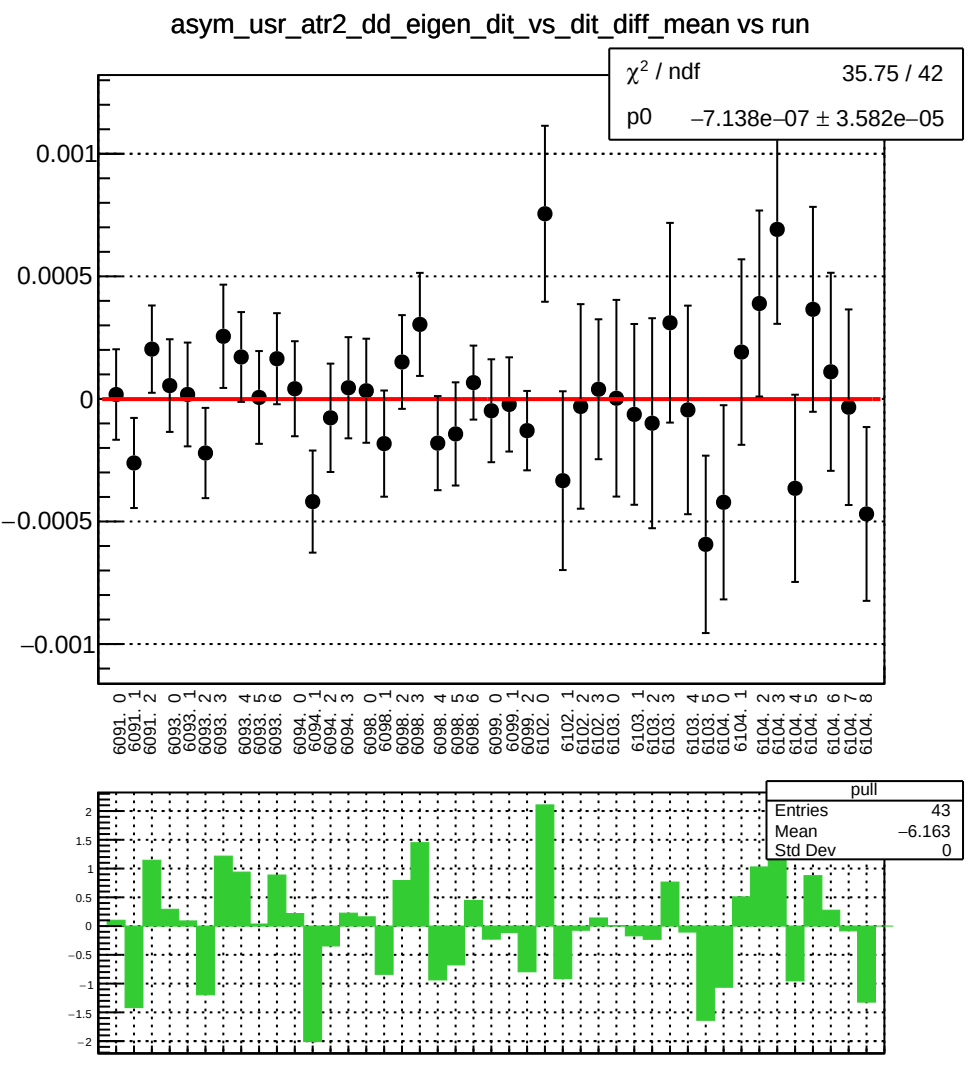

pull1D
Entries 43
Mean −0.0496
Std Dev 1.124
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

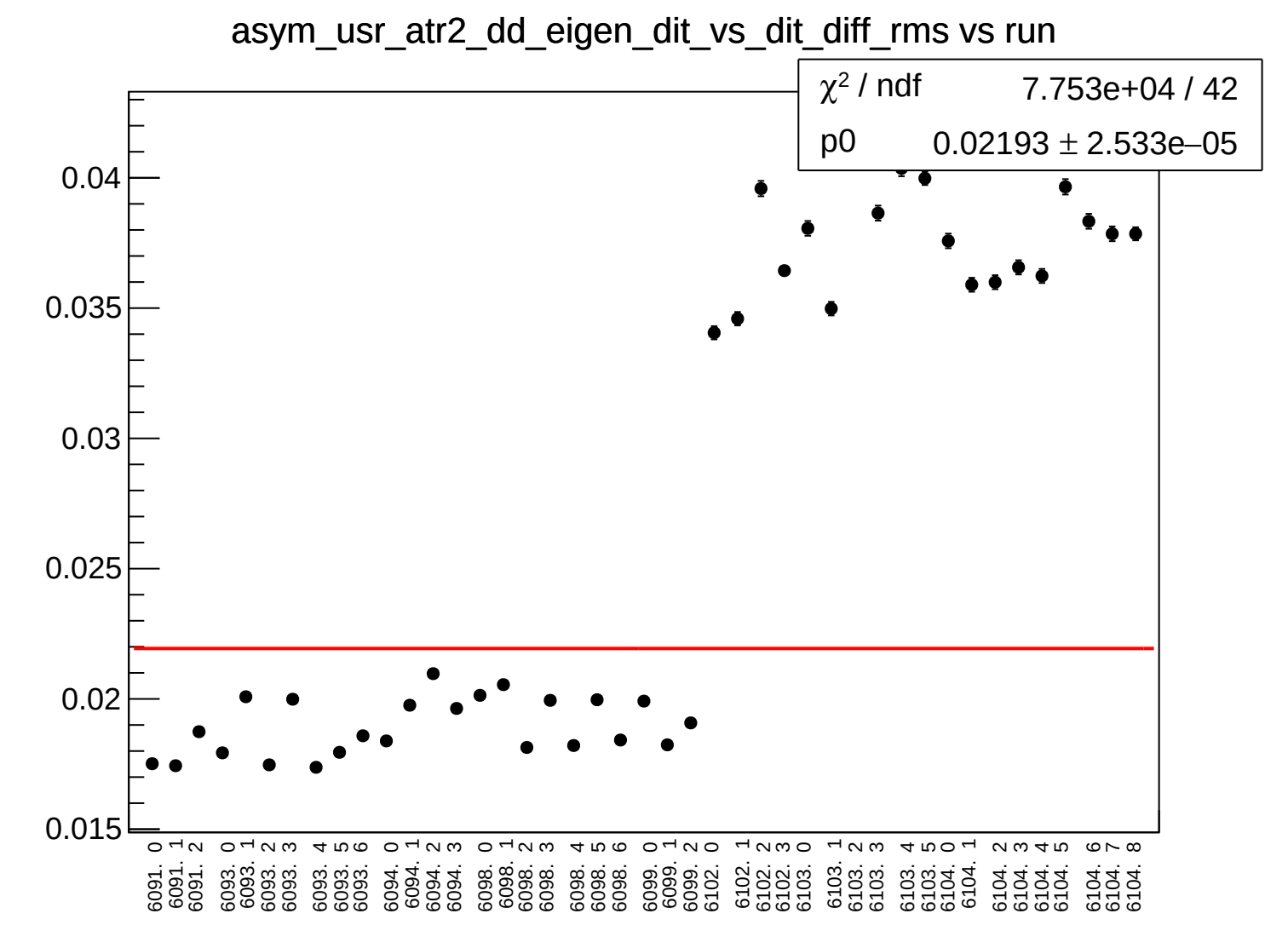

asym_usr_atr2_dd_dit_vs_cor_diff_rms vs run
χ² / ndf 3.845e+04 / 42
p0 169.1 ± 0.1904
260
240
220
200
180
160
140
120
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

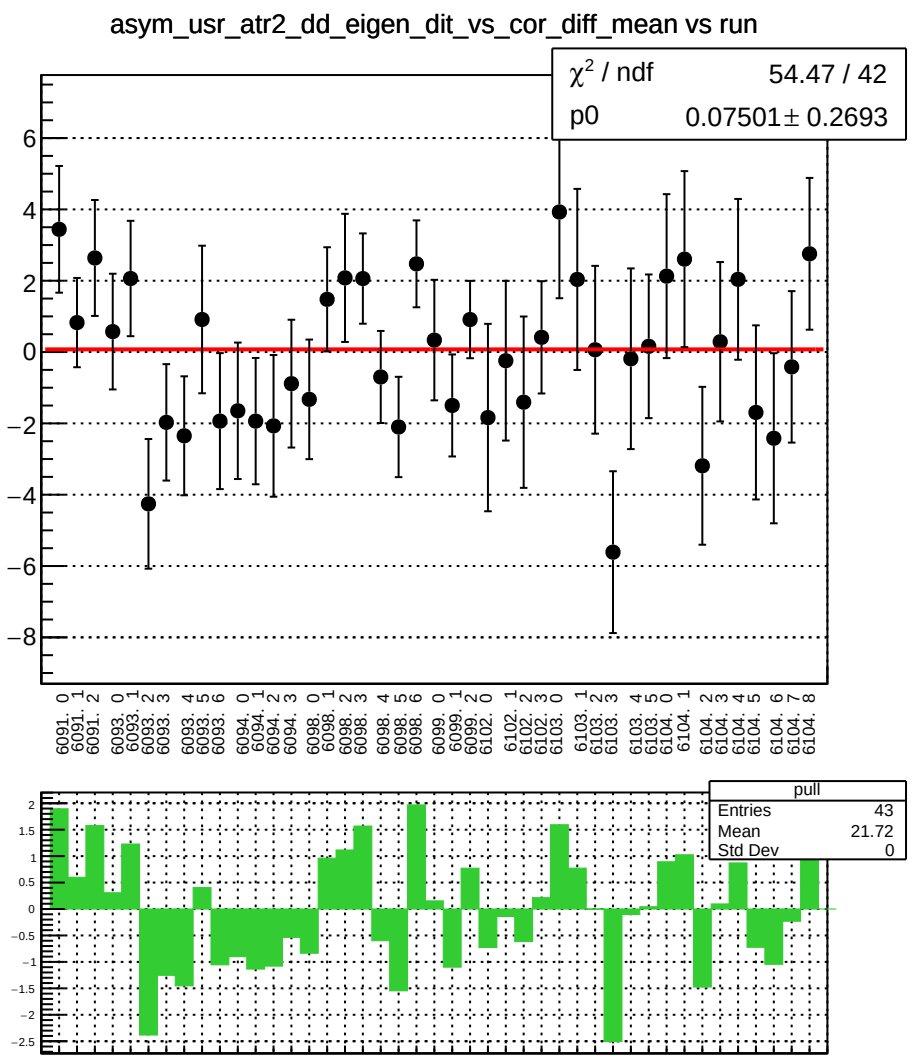

asym_usr_atr2_dd_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 54.47 / 42
p0 0.07503 ± 0.2693
pull
Entries 43
Mean 21.72
Std Dev 0

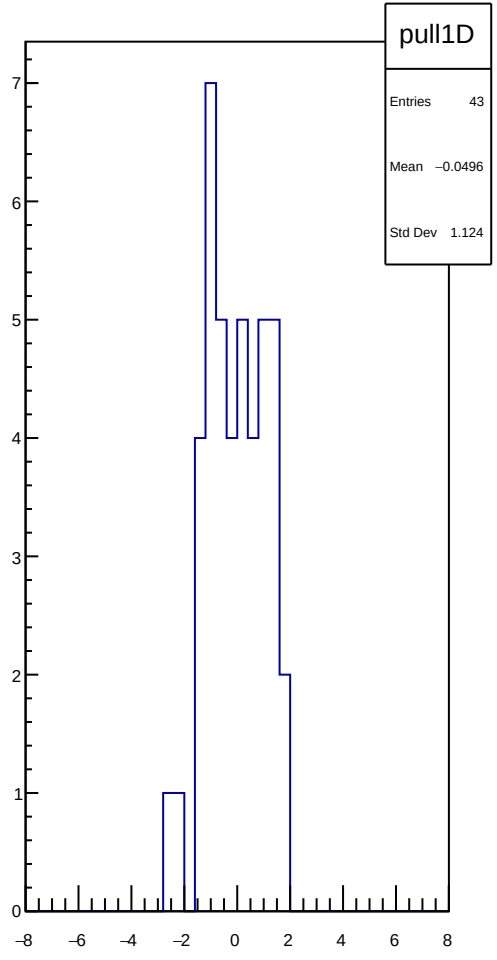

pull1D
Entries 43
Mean −0.0496
Std Dev 1.124

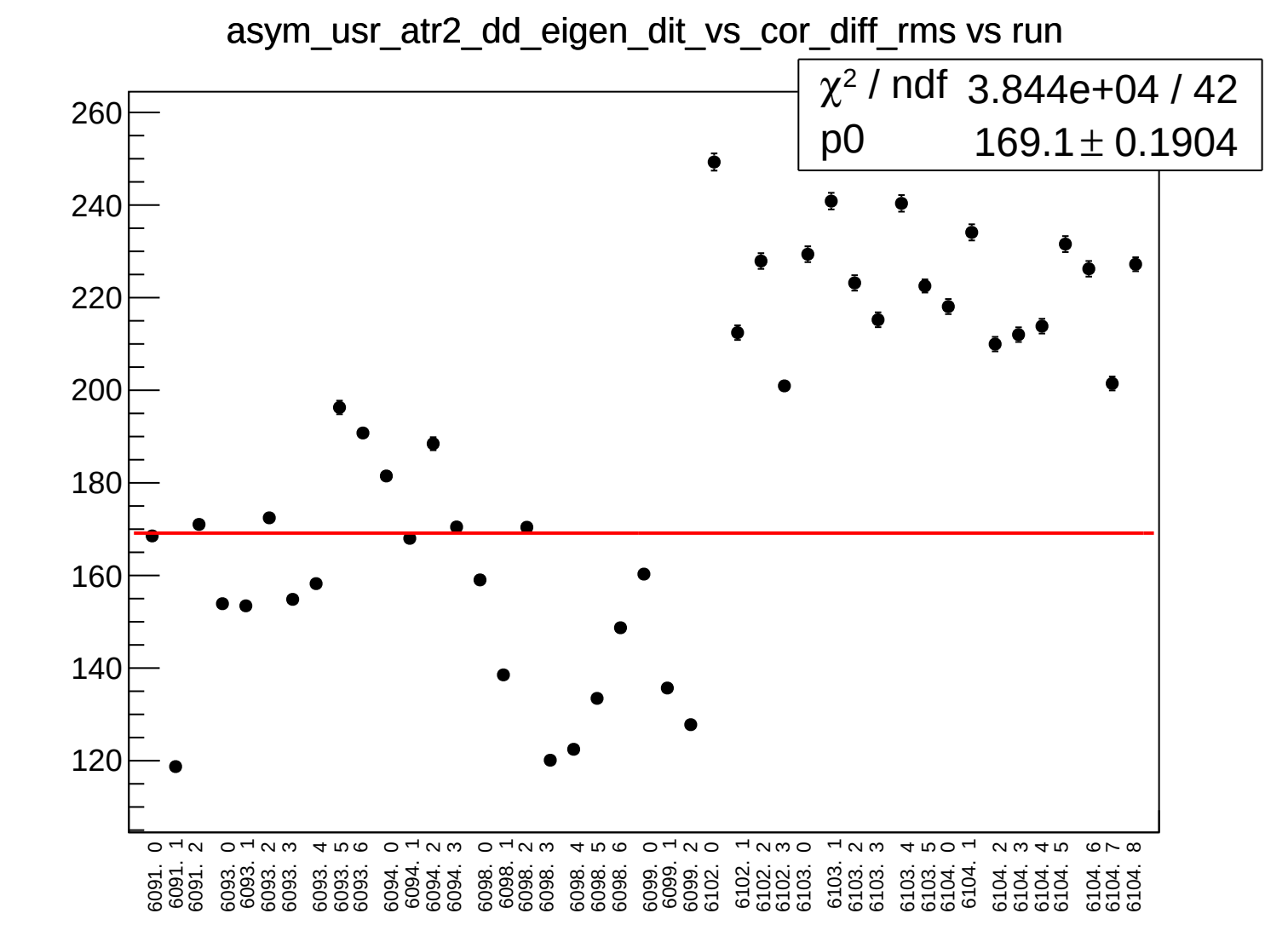

asym_usr_atr2_dd_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 3.845e+04 / 42
p0 169.1 ± 0.1904
260
240
220
200
180
160
140
120
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

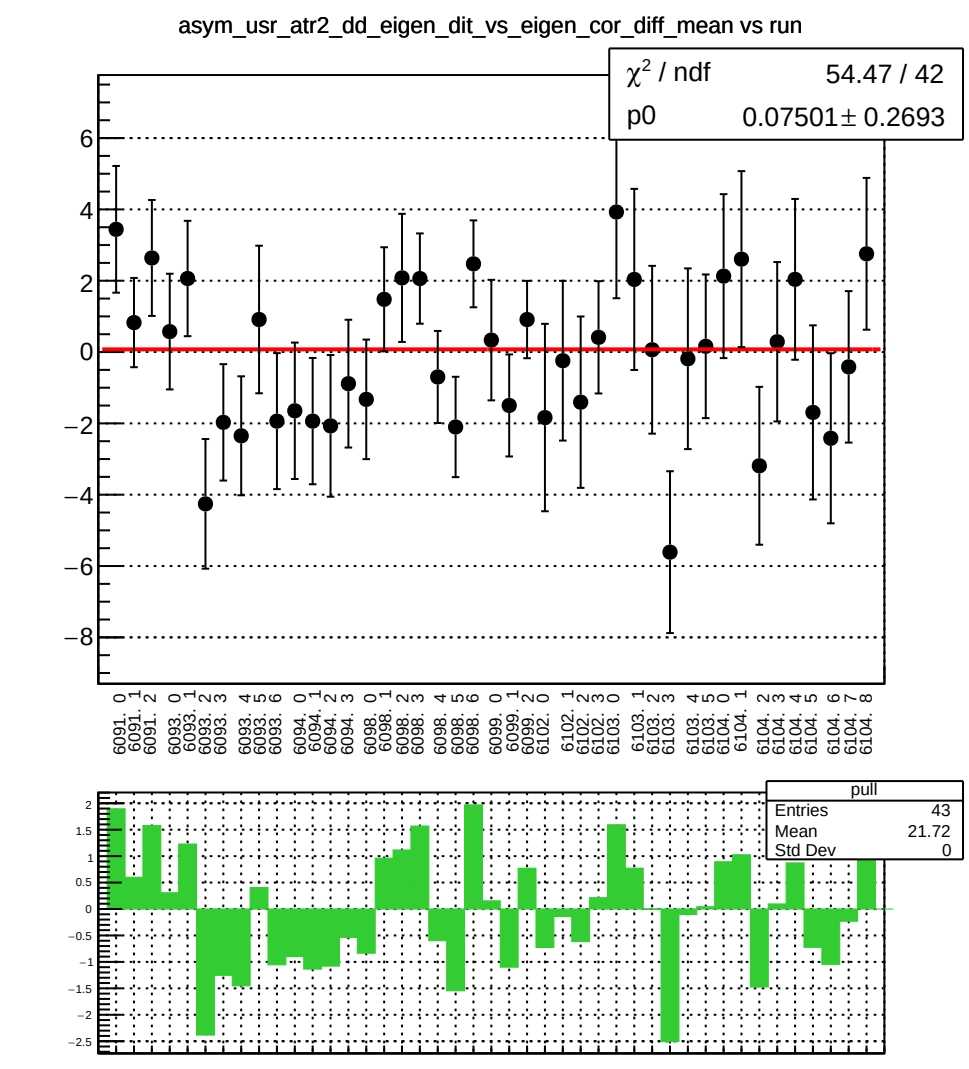

asym_usr_atr2_dd_eigen_dit_vs_dit_diff_mean vs run
χ² / ndf 35.75 / 42
p0 −7.138e−07 ± 3.582e−05
0.001
0.0005
0
−0.0005
−0.001
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean −6.163
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 43
Mean 0.009257
Std Dev 0.9118
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

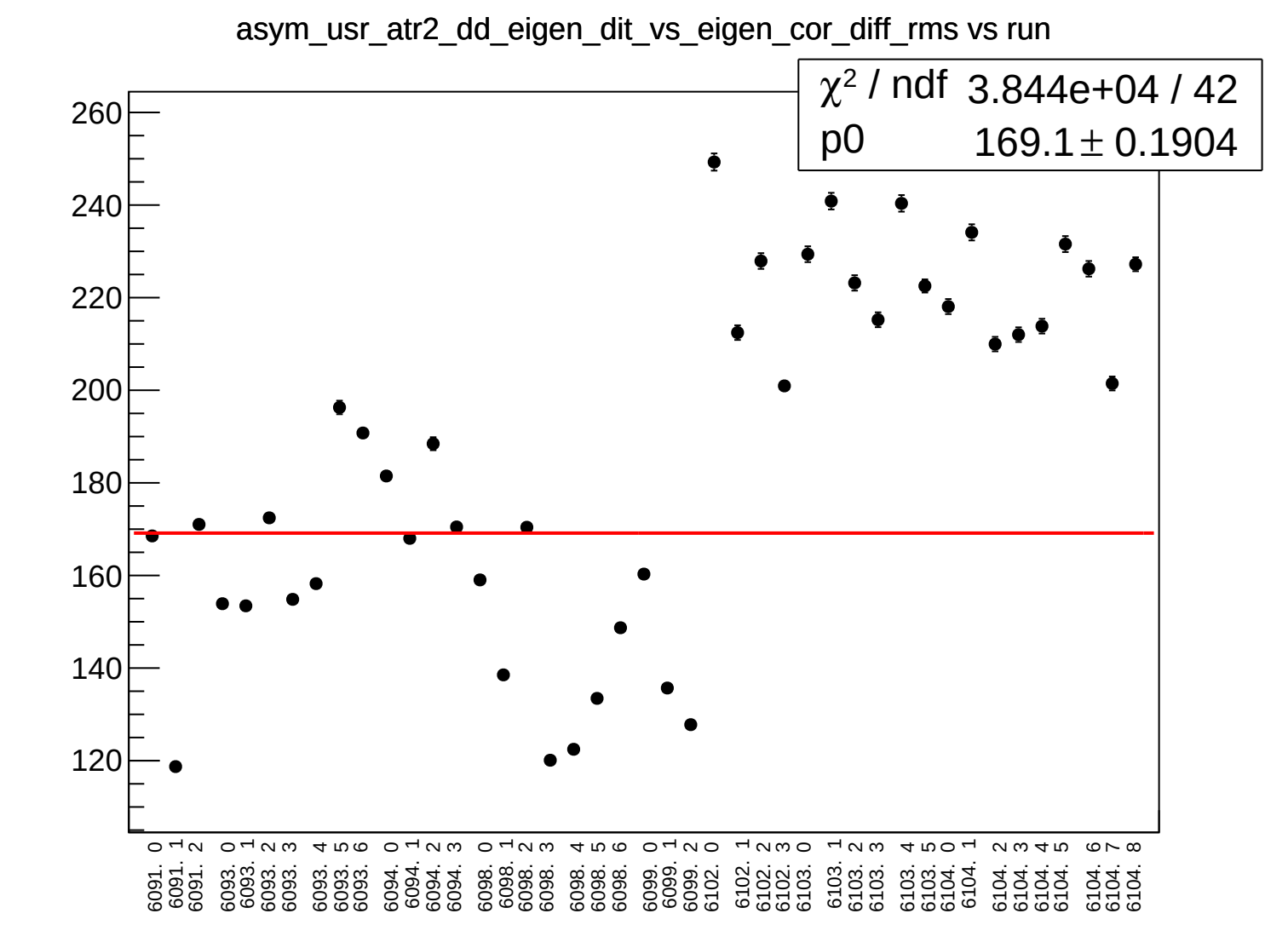

asym_usr_atr2_dd_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 7.753e+04 / 42
p0 0.02193 ± 2.533e–05
0.04
0.035
0.03
0.025
0.02
0.015
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

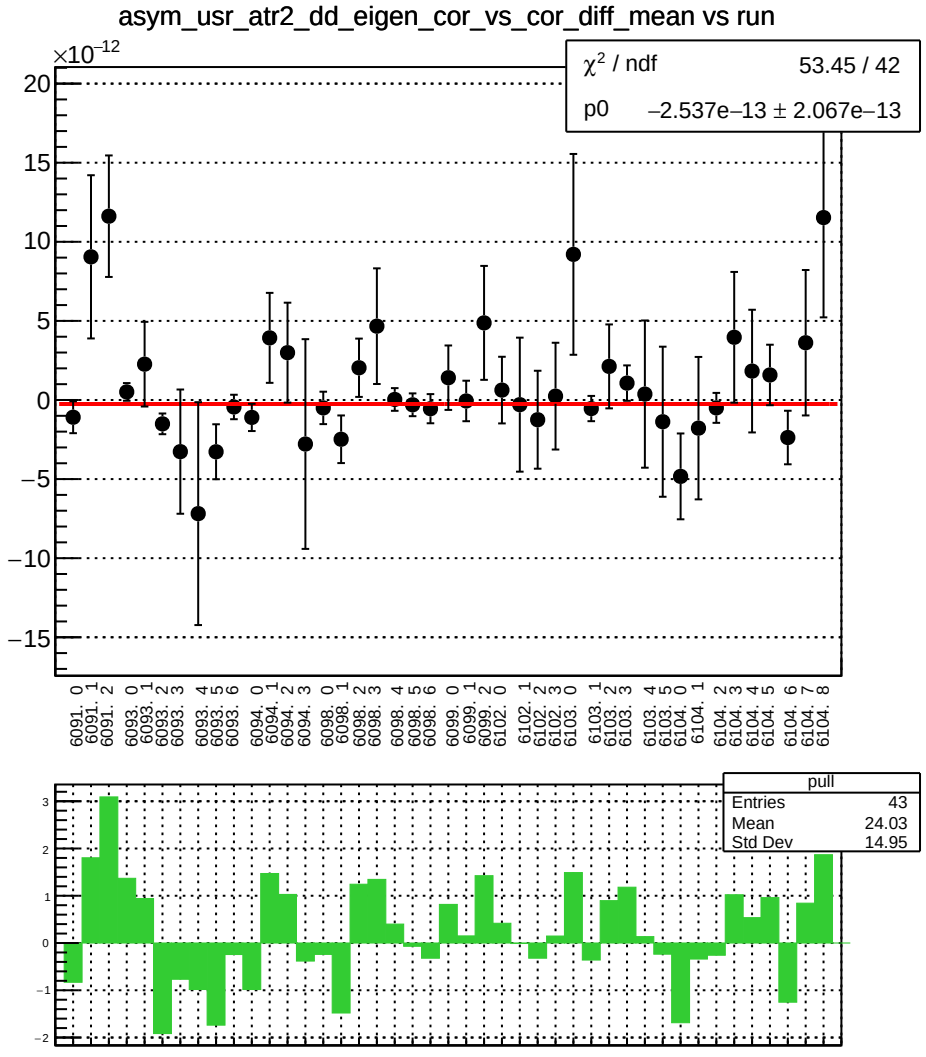

asym_usr_atr2_dd_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 54.47 / 42
p0 0.07501 ± 0.2693
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 21.72
Std Dev 0

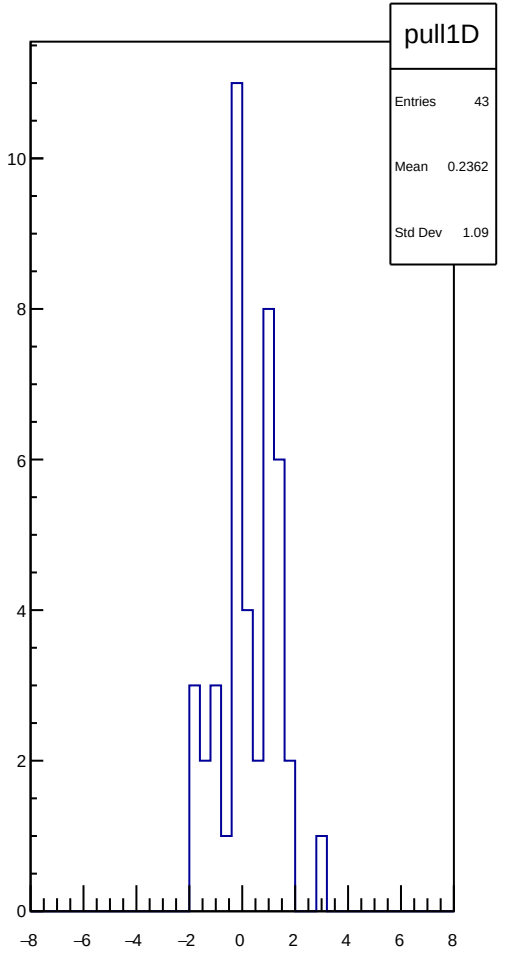

pull1D
Entries 43
Mean −0.0496
Std Dev 1.124

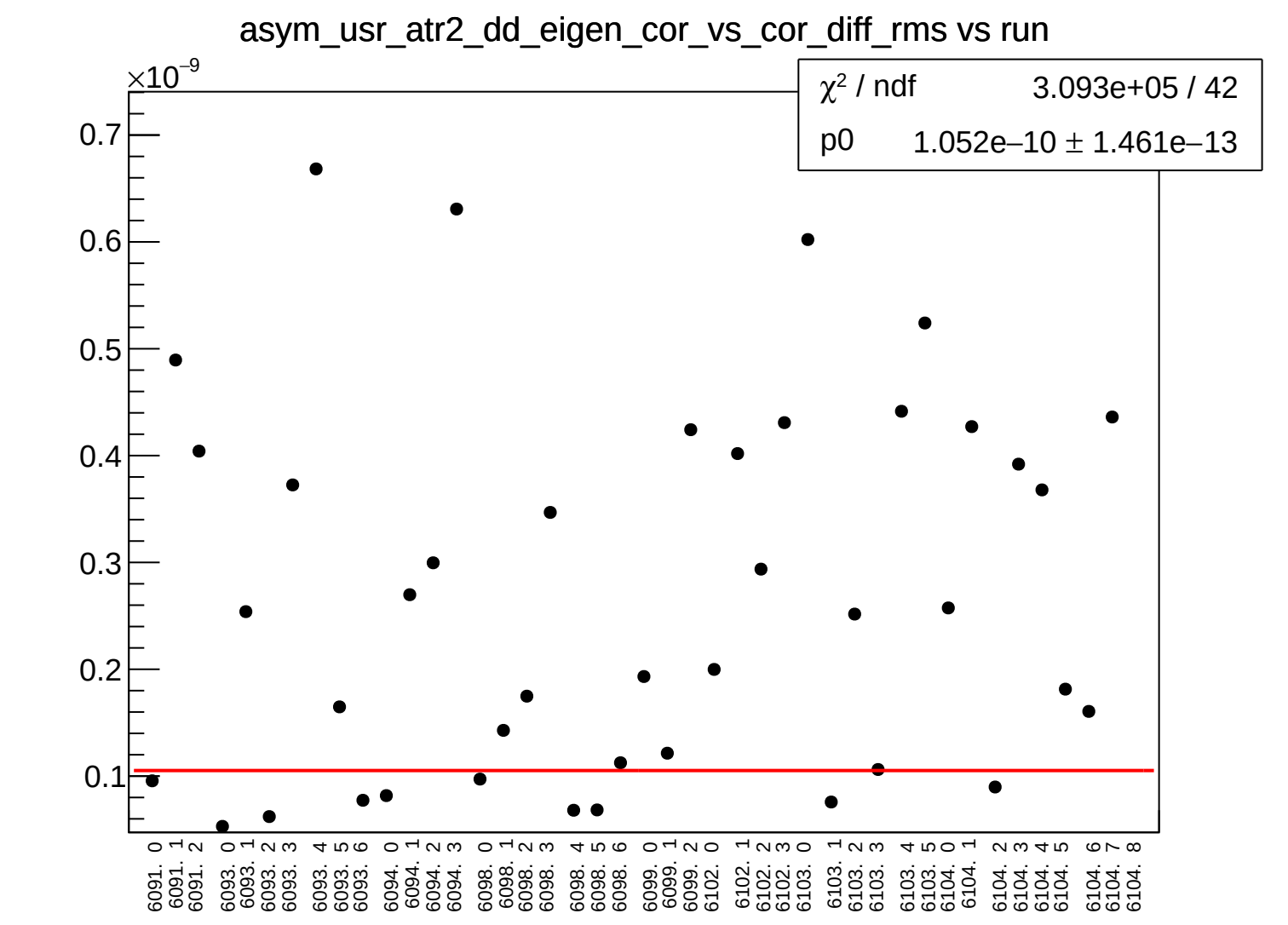

asym_usr_atr2_dd_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 3.844e+04 / 42
p0 169.1 ± 0.1904
260
240
220
200
180
160
140
120
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

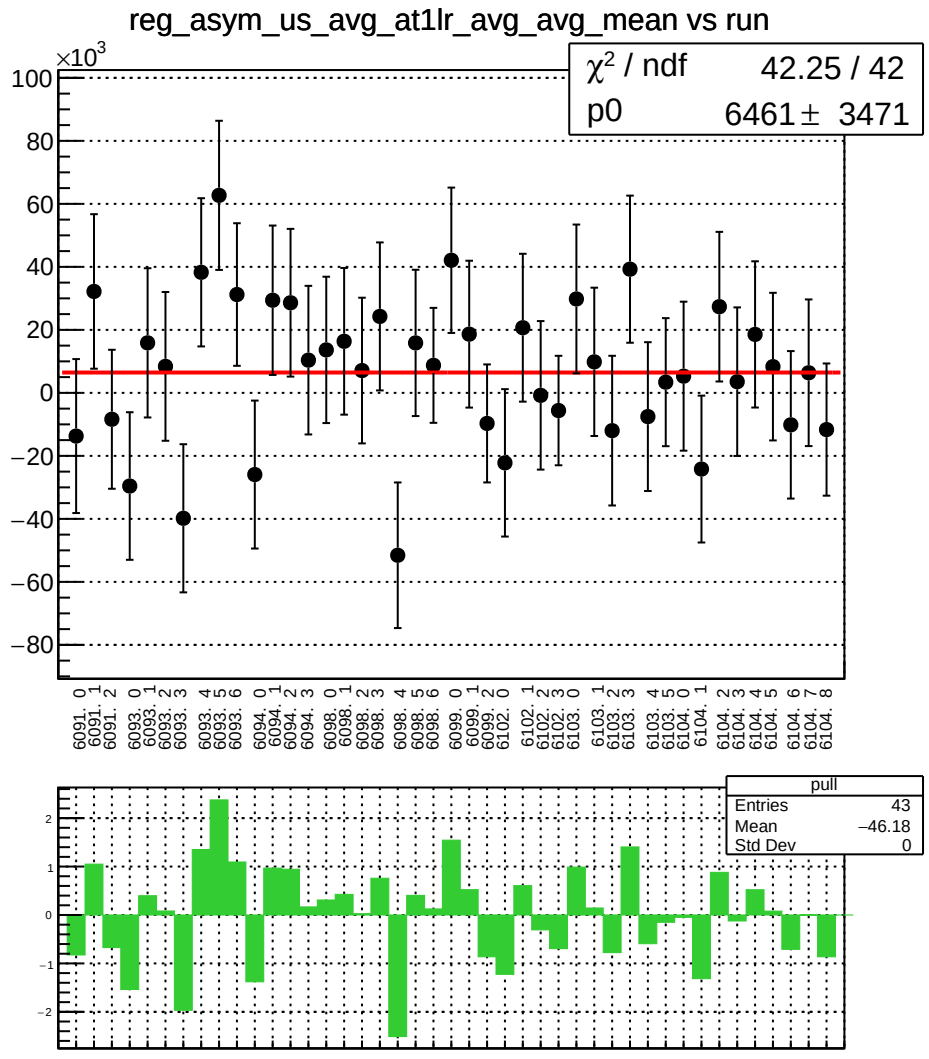

asym_usr_atr2_dd_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 54.47 / 42
p0 0.07501 ± 0.2693
6
4
2
0
−2
−4
−6
−8
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 21.72
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5
pull1D
Entries 43
Mean −0.0496
Std Dev 1.124
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

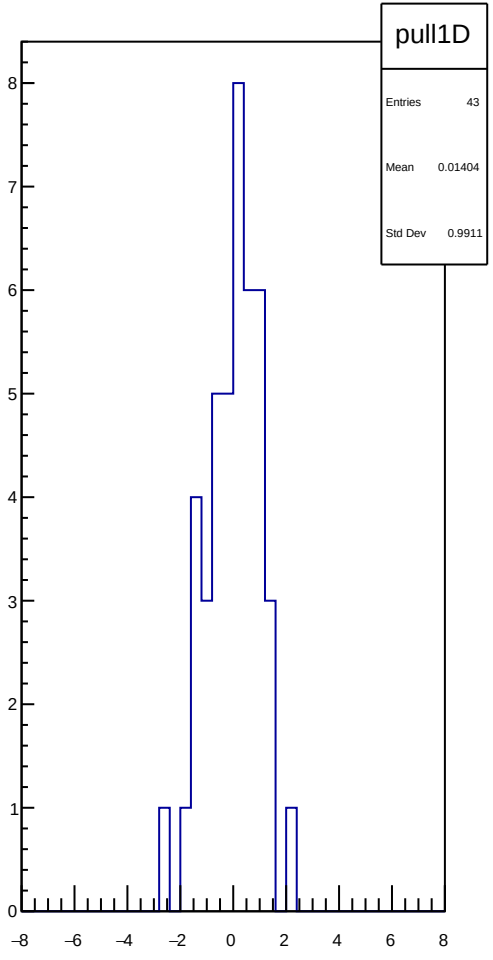

asym_usr_atr2_dd_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 3.844e+04 / 42
p0 169.1 ± 0.1904
260
240
220
200
180
160
140
120
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

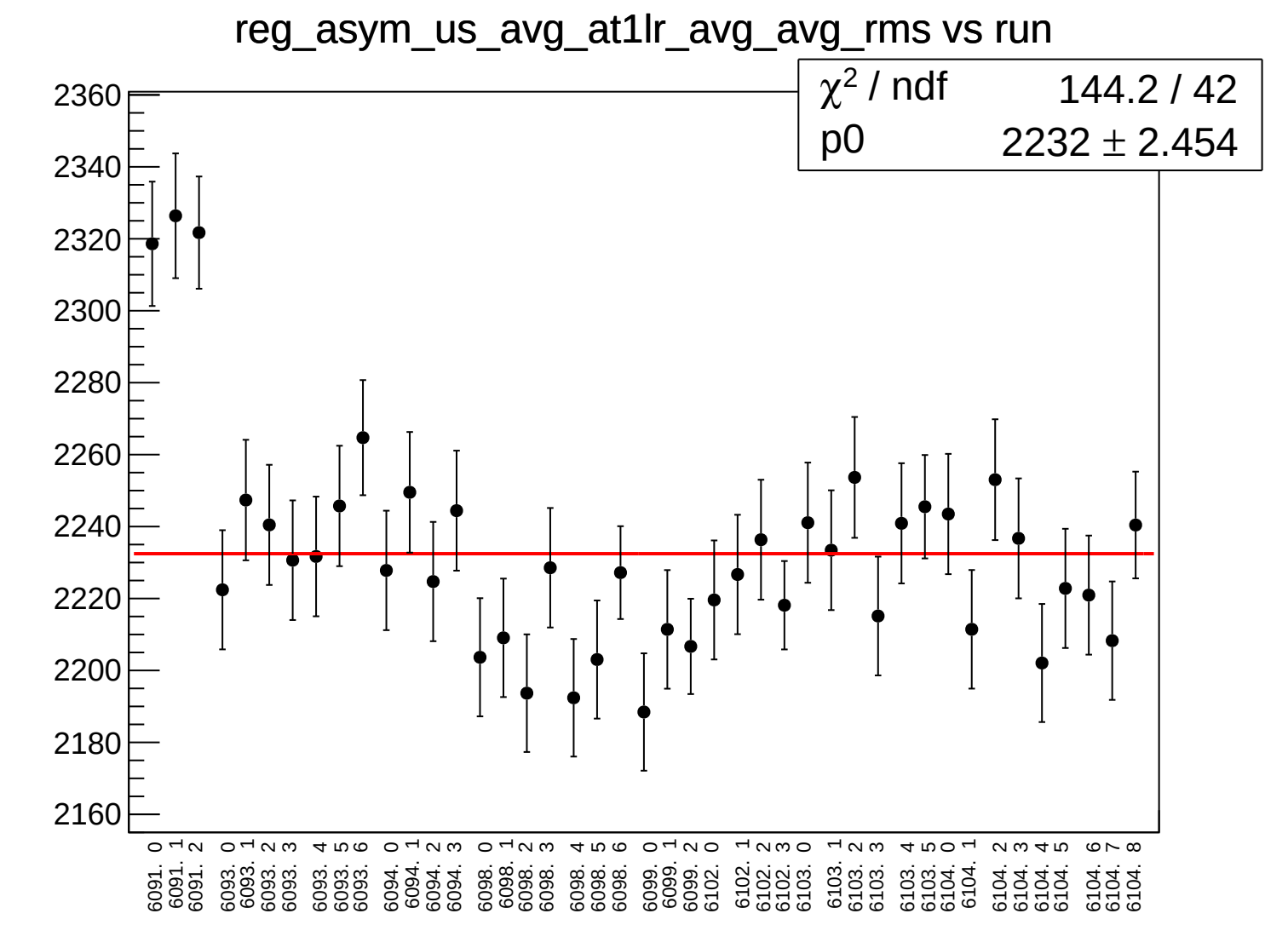

asym_usr_atr2_dd_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 53.45 / 42
p0 −2.537e−13 ± 2.067e−13
pull
Entries 43
Mean 24.03
Std Dev 14.95

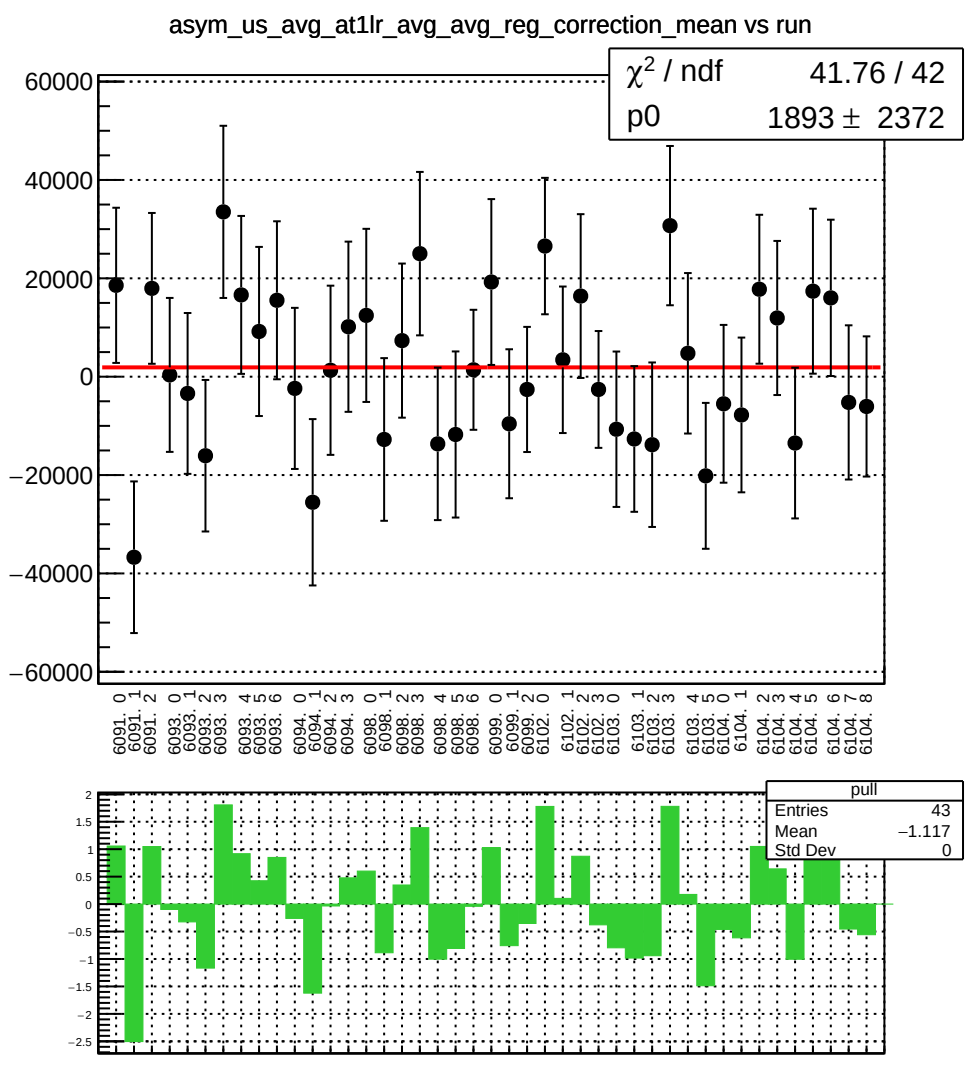

pull1D
Entries 43
Mean 0.2362
Std Dev 1.09

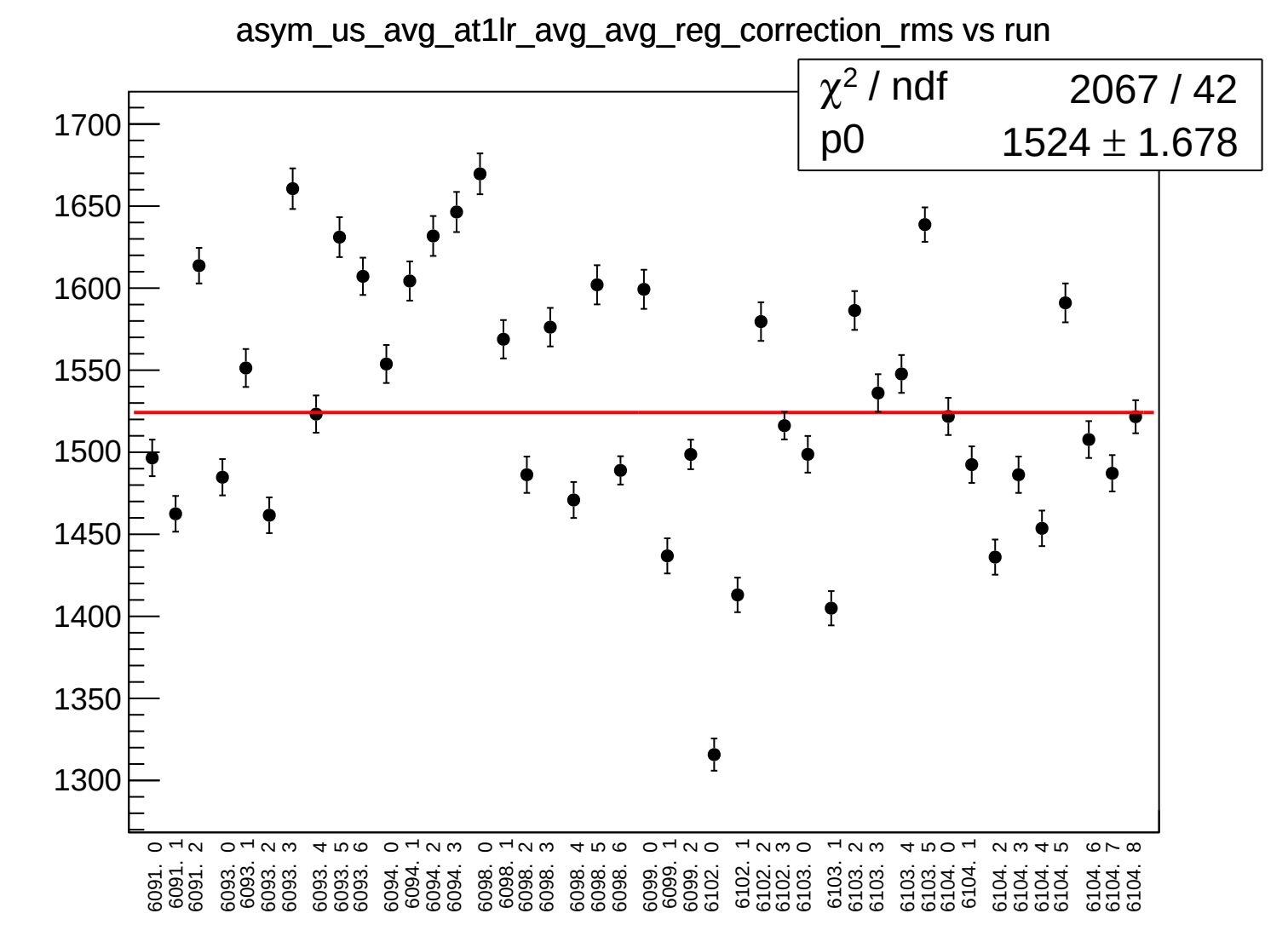

asym_usr_atr2_dd_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 3.093e+05 / 42
p0 1.052e−10 ± 1.461e−13
0.7
0.6
0.5
0.4
0.3
0.2
0.1
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

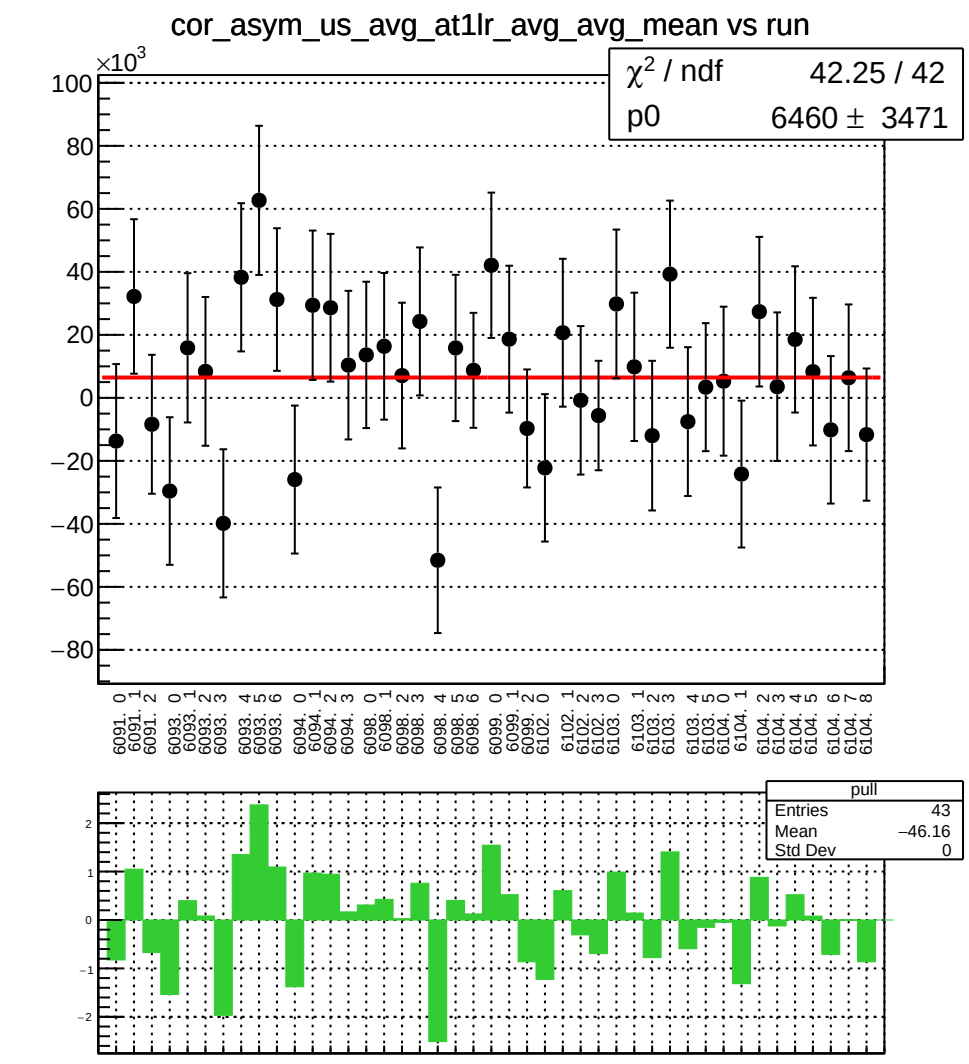

reg_asym_us_avg_at1lr_avg_avg_mean vs run
×10^3
χ² / ndf 42.25 / 42
p0 6461 ± 3471
100
80
60
40
20
0
−20
−40
−60
−80
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean −46.18
Std Dev 0
2
1
0
−1
−2

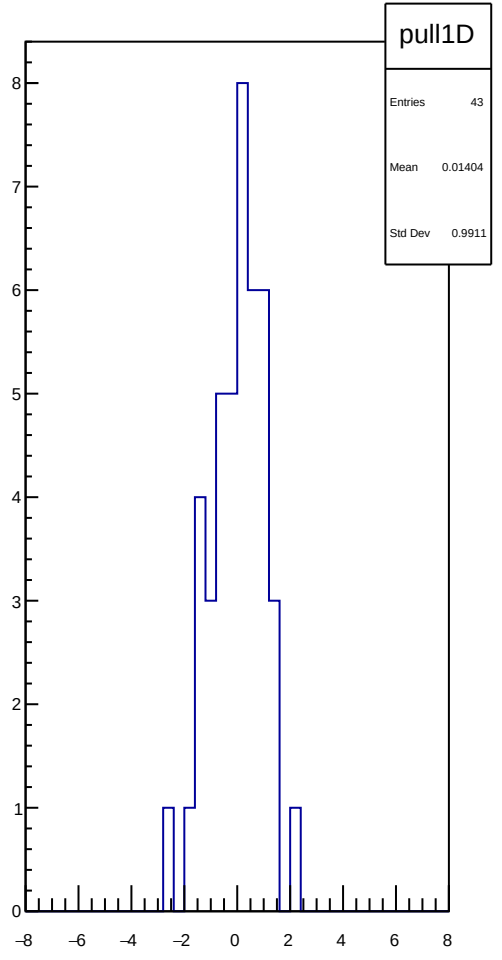

pull1D
Entries 43
Mean 0.01404
Std Dev 0.9911
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

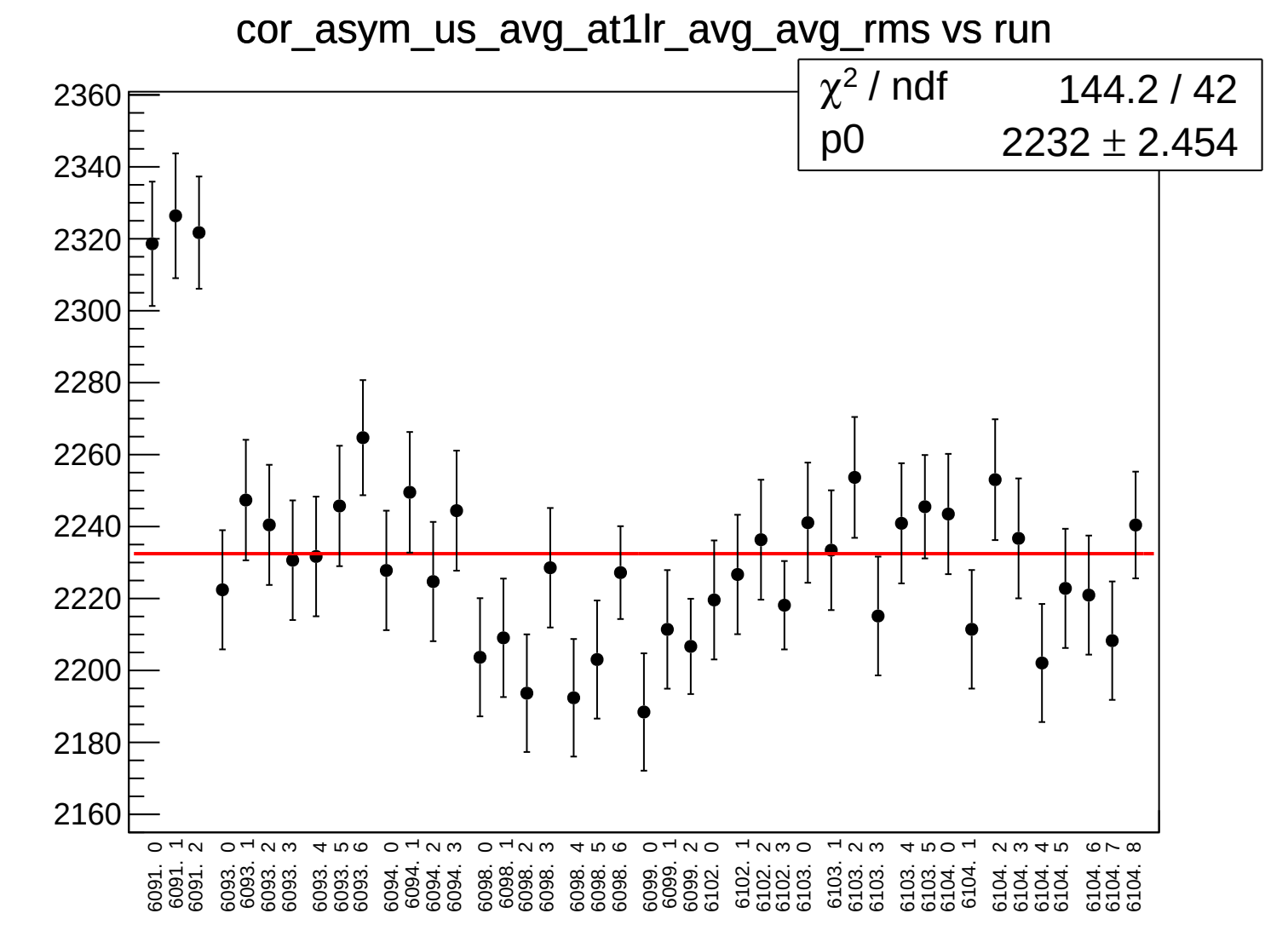

reg_asym_us_avg_at1lr_avg_avg_rms vs run
χ² / ndf 144.2 / 42
p0 2232 ± 2.454
2360
2340
2320
2300
2280
2260
2240
2220
2200
2180
2160
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

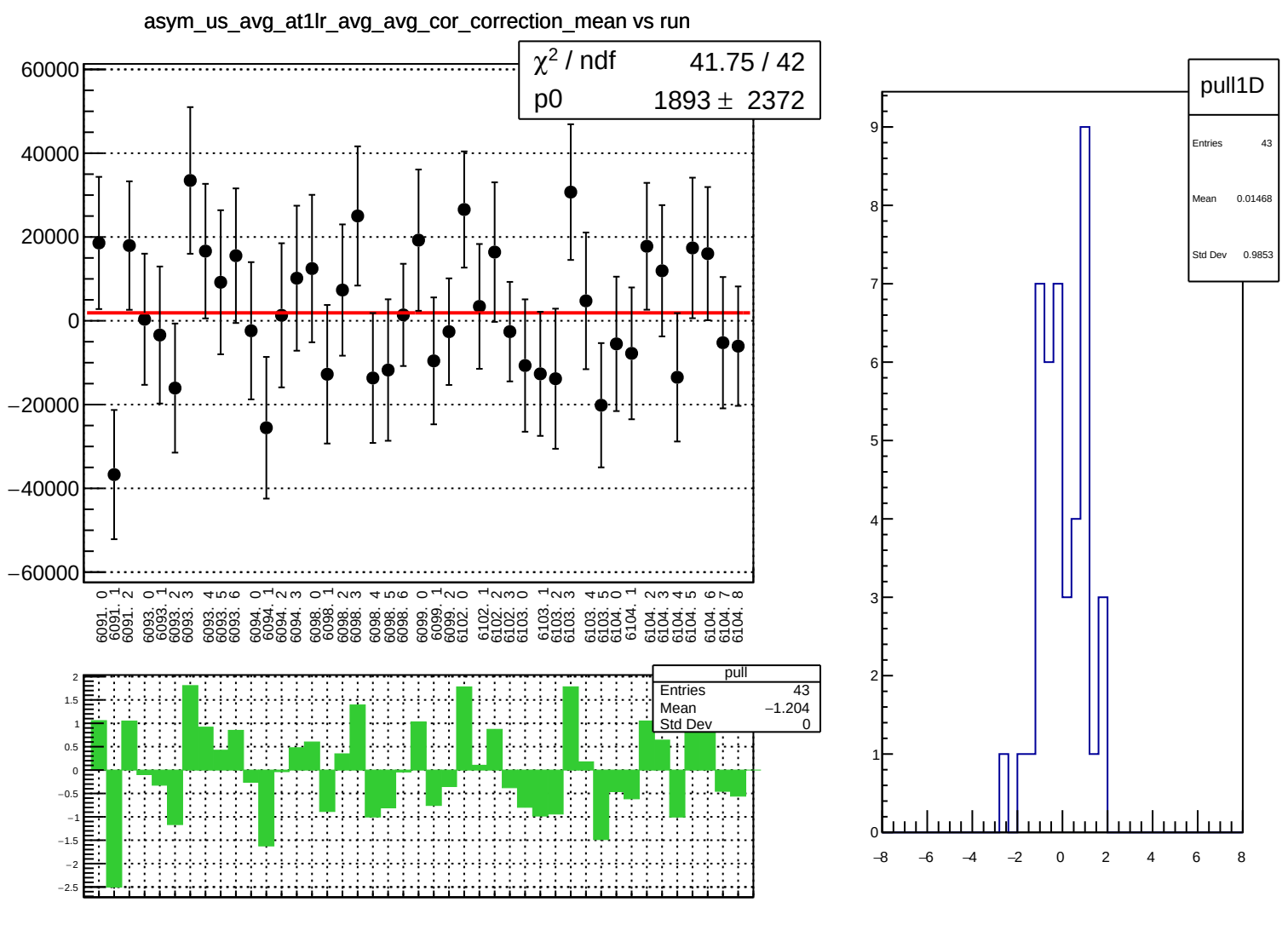

asym_us_avg_at1lr_avg_avg_reg_correction_mean vs run
χ² / ndf 41.76 / 42
p0 1893 ± 2372
60000
40000
20000
0
−20000
−40000
−60000
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean −1.117
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5
pull1D
Entries 43
Mean 0.01471
Std Dev 0.9854
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

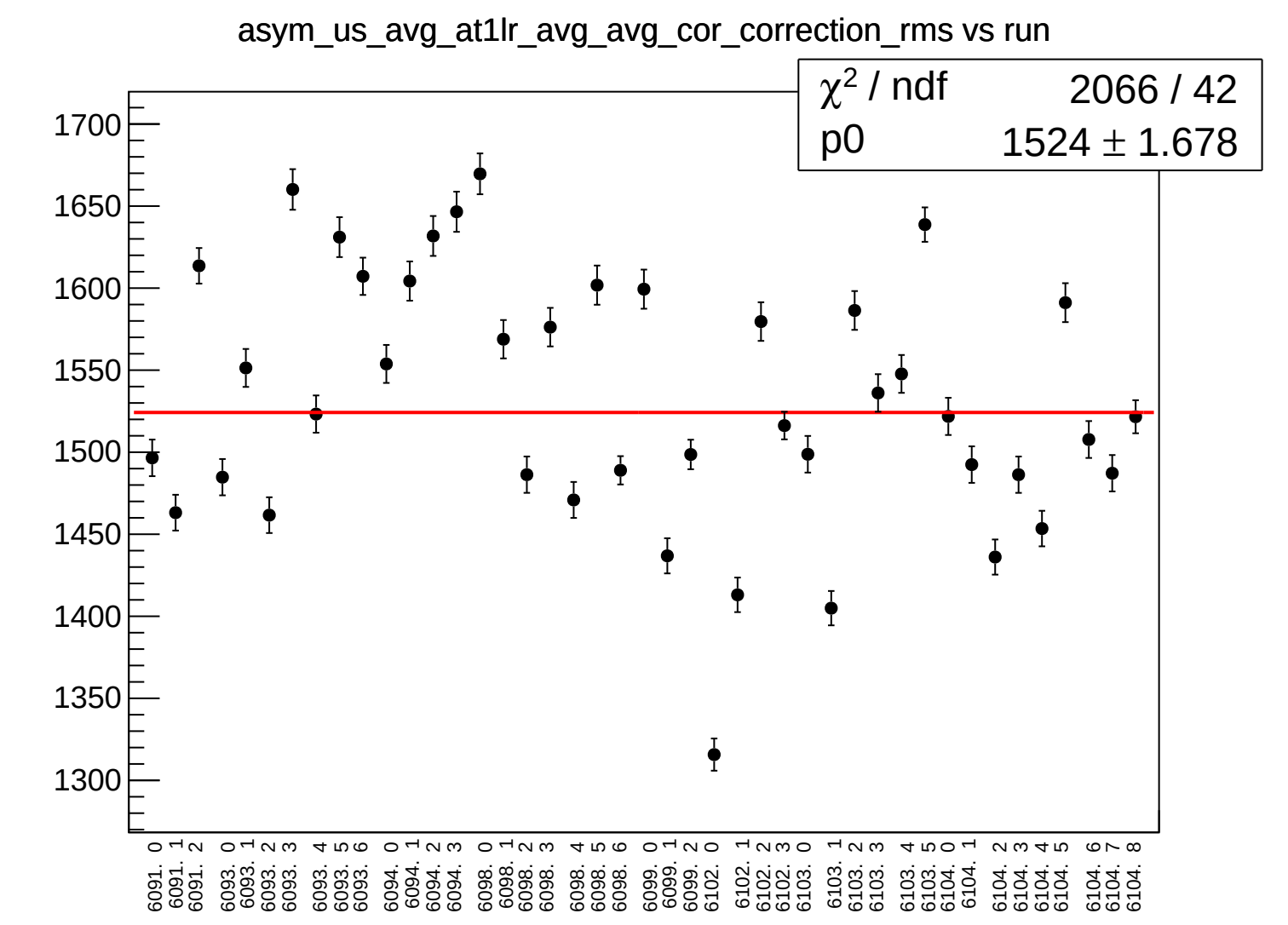

asym_us_avg_at1lr_avg_avg_reg_correction_rms vs run
χ² / ndf 2067 / 42
p0 1524 ± 1.678
1700
1650
1600
1550
1500
1450
1400
1350
1300
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

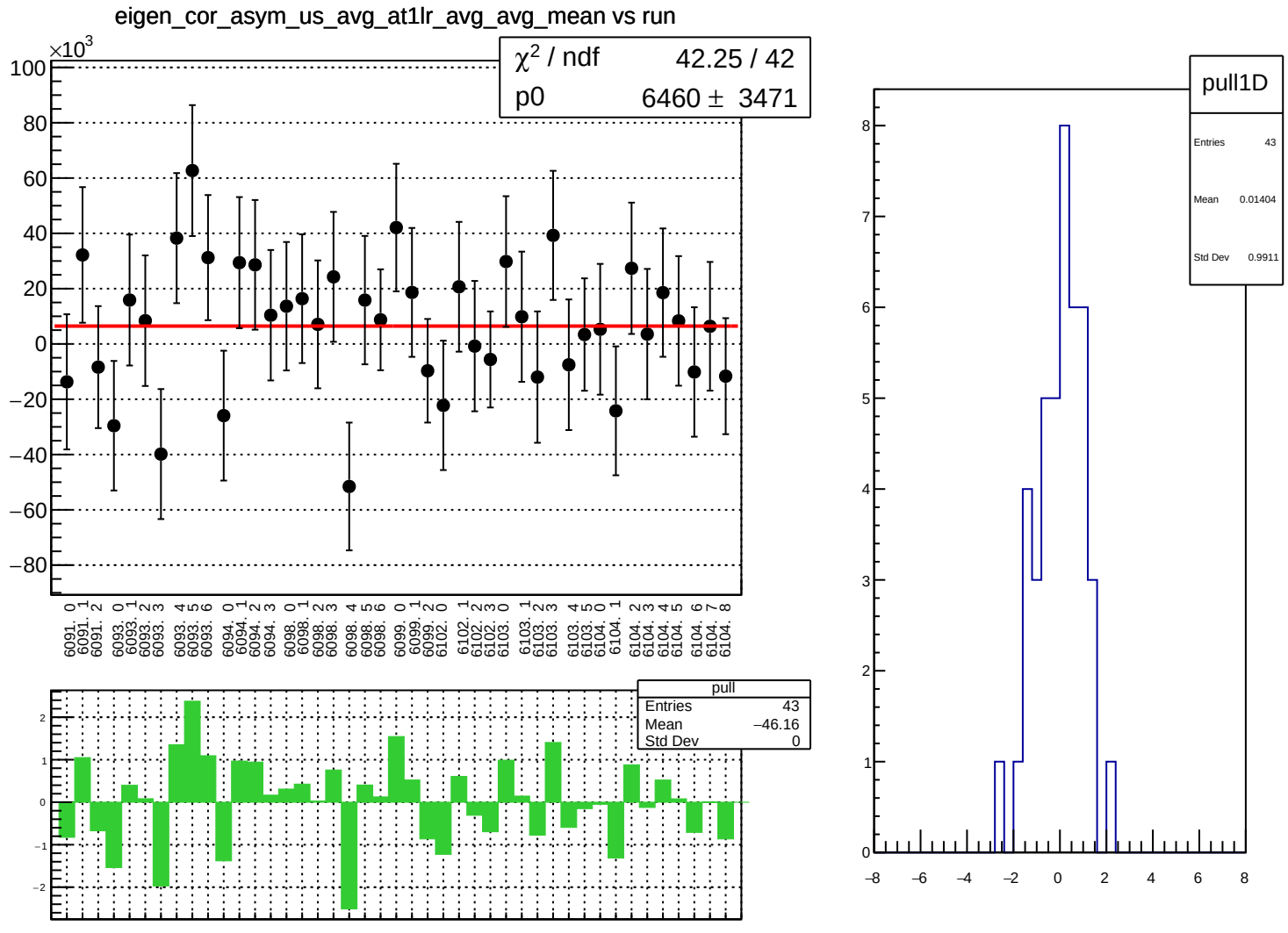

cor_asym_us_avg_at1lr_avg_avg_mean vs run
×10^3
χ² / ndf 42.25 / 42
p0 6460 ± 3471
100
80
60
40
20
0
−20
−40
−60
−80
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean −46.16
Std Dev 0
2
1
0
−1
−2

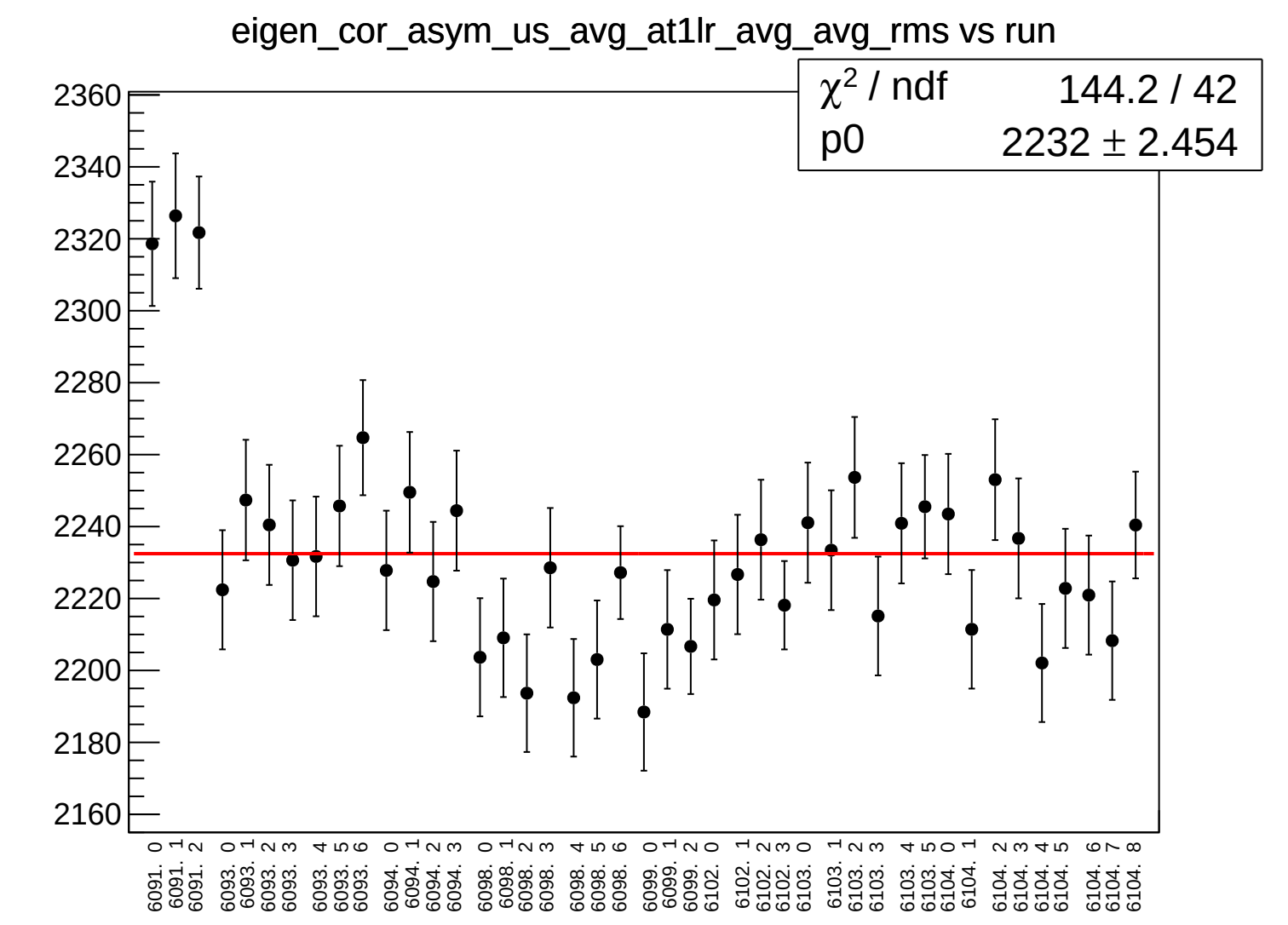

pull1D
Entries 43
Mean 0.01404
Std Dev 0.9911
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

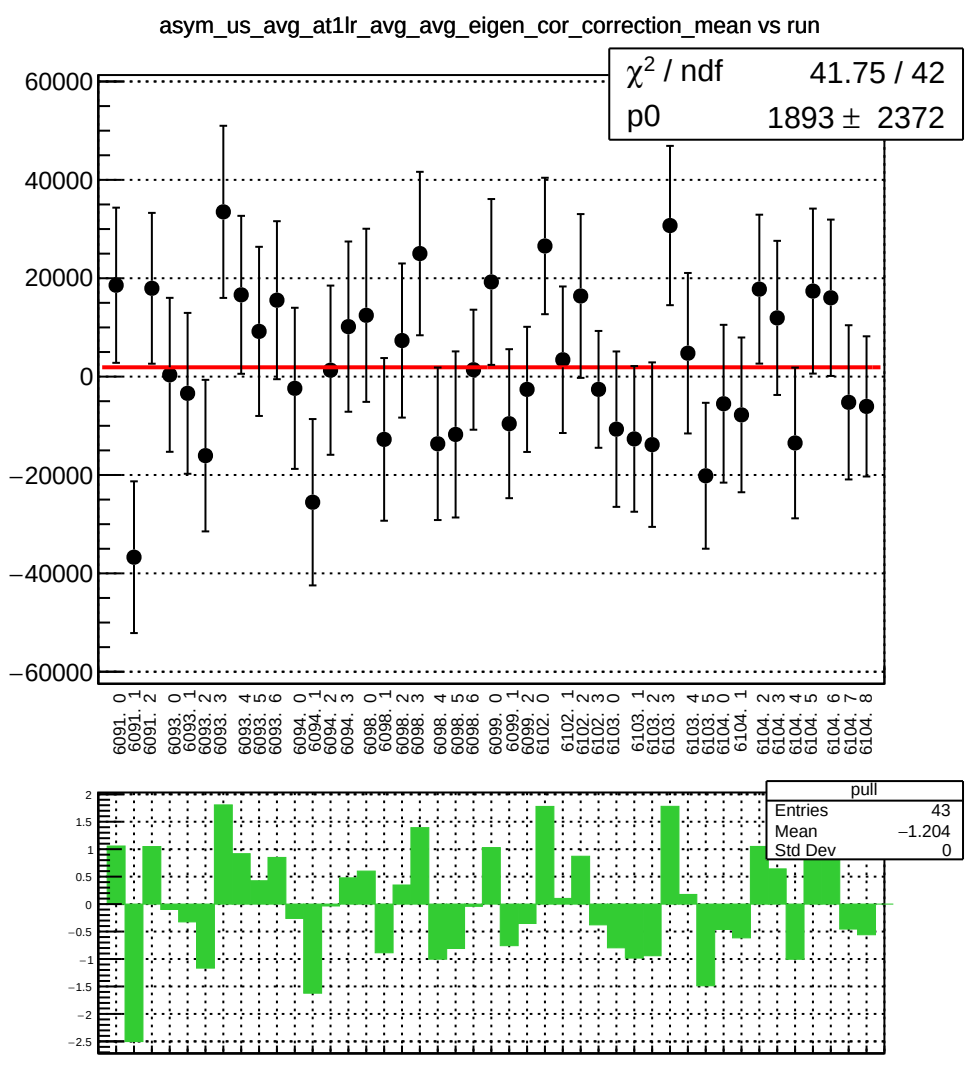

cor_asym_us_avg_at1lr_avg_avg_rms vs run
χ² / ndf 144.2 / 42
p0 2232 ± 2.454
2360
2340
2320
2300
2280
2260
2240
2220
2200
2180
2160
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

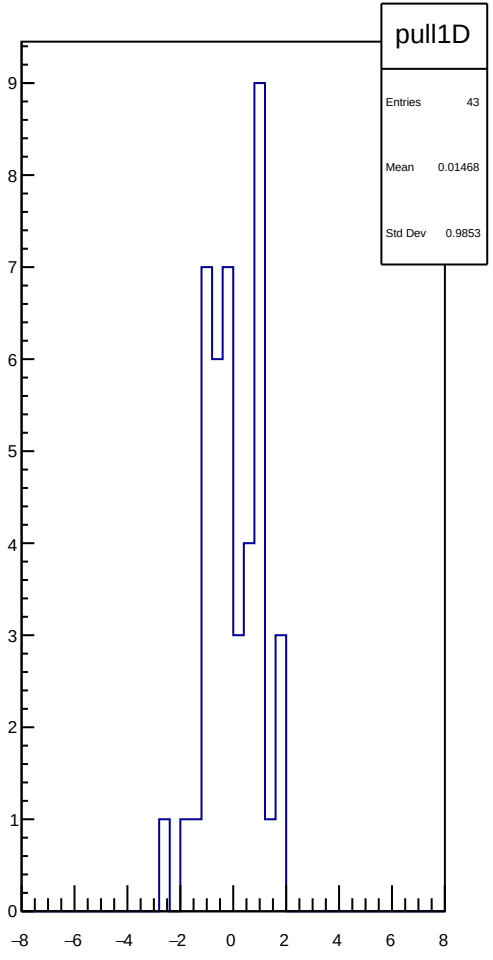

asym_us_avg_at1lr_avg_avg_cor_correction_mean vs run
χ² / ndf 41.75 / 42
p0 1893 ± 2372
pull
Entries 43
Mean −1.204
Std Dev 0
pull1D
Entries 43
Mean 0.01468
Std Dev 0.9853

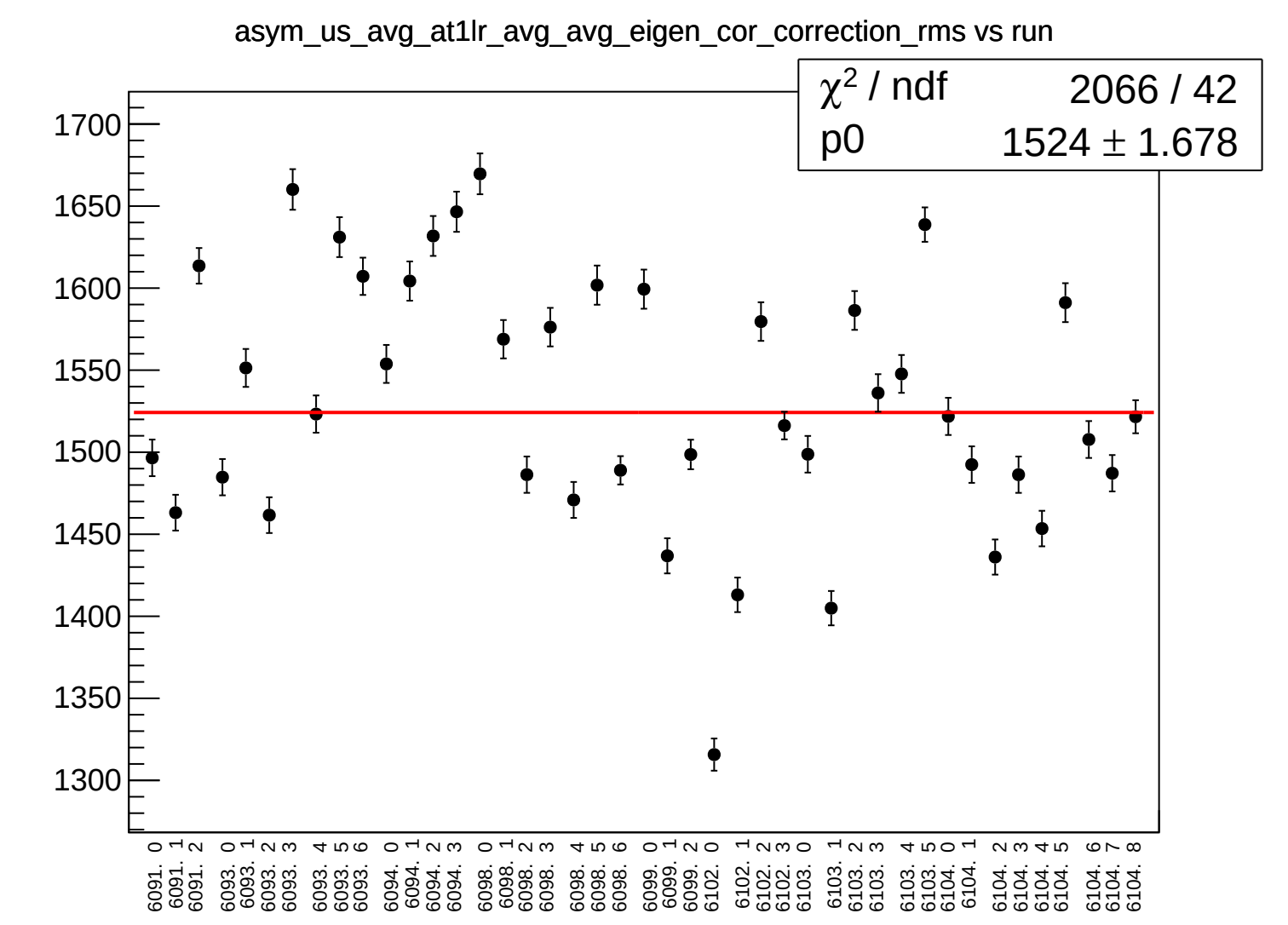

asym_us_avg_at1lr_avg_avg_cor_correction_rms vs run
χ² / ndf 2066 / 42
p0 1524 ± 1.678
1700
1650
1600
1550
1500
1450
1400
1350
1300
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

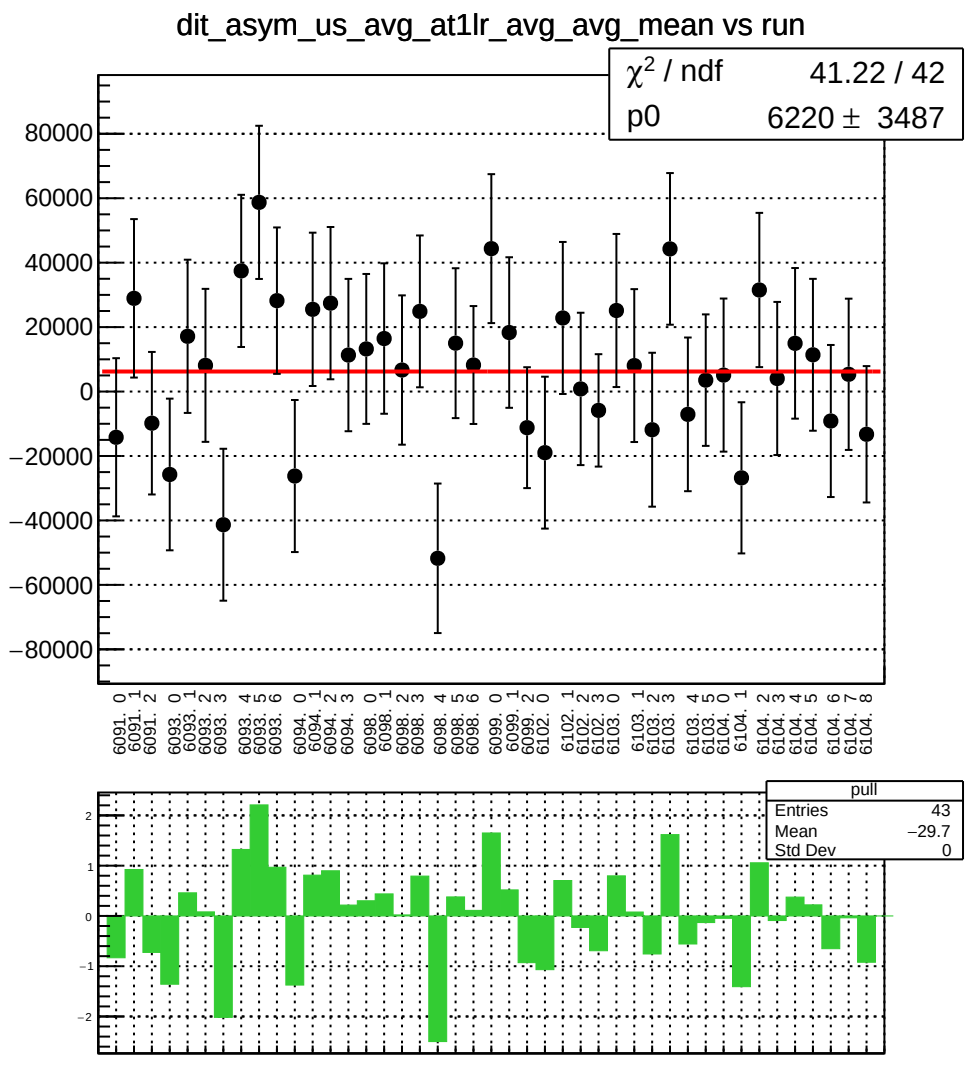

eigen_cor_asym_us_avg_at1lr_avg_avg_mean vs run
×10^3
χ² / ndf 42.25 / 42
p0 6460 ± 3471
pull
Entries 43
Mean −46.16
Std Dev 0
pull1D
Entries 43
Mean 0.01404
Std Dev 0.9911

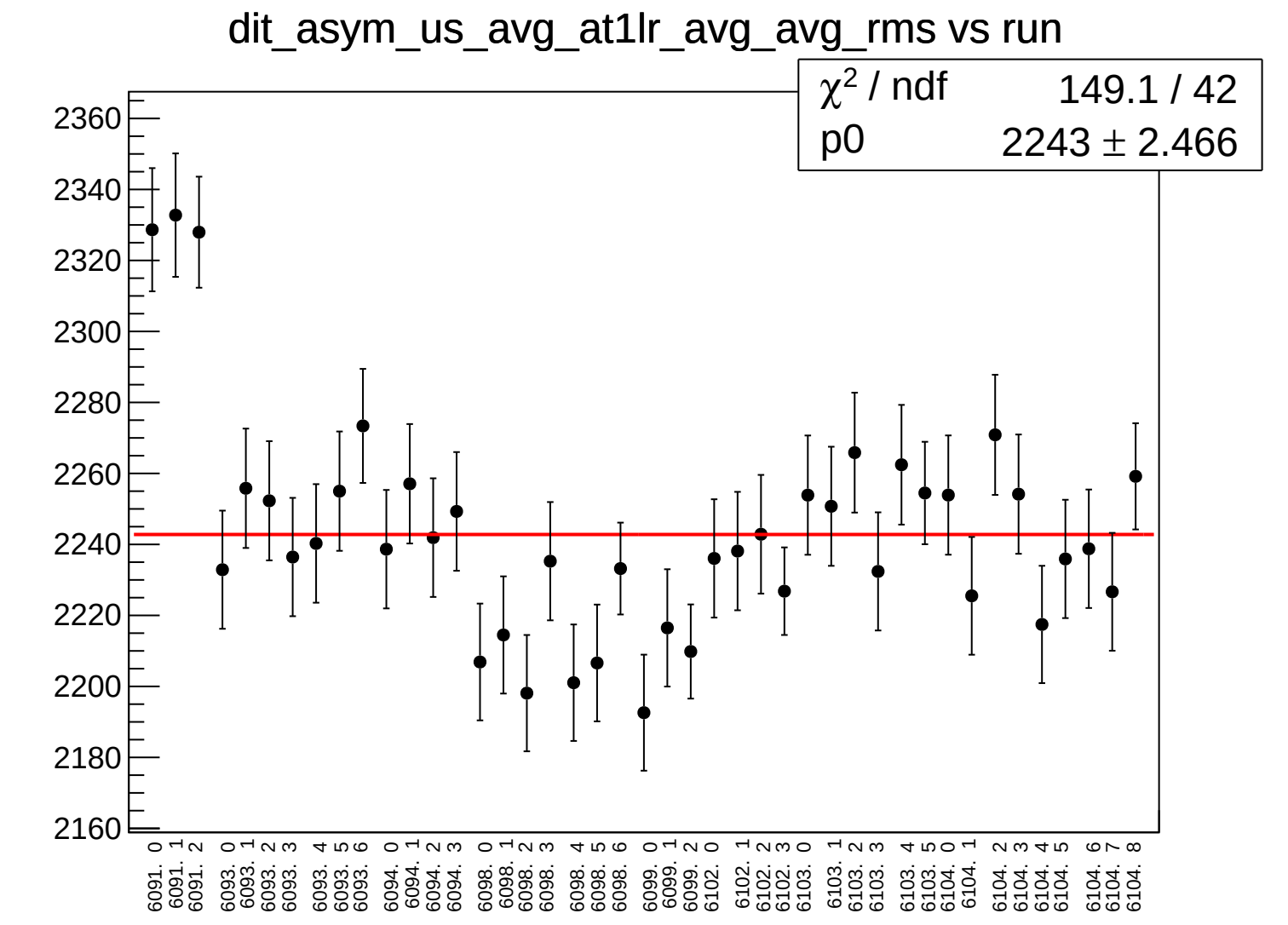

eigen_cor_asym_us_avg_at1lr_avg_avg_rms vs run
χ² / ndf 144.2 / 42
p0 2232 ± 2.454
2360
2340
2320
2300
2280
2260
2240
2220
2200
2180
2160
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

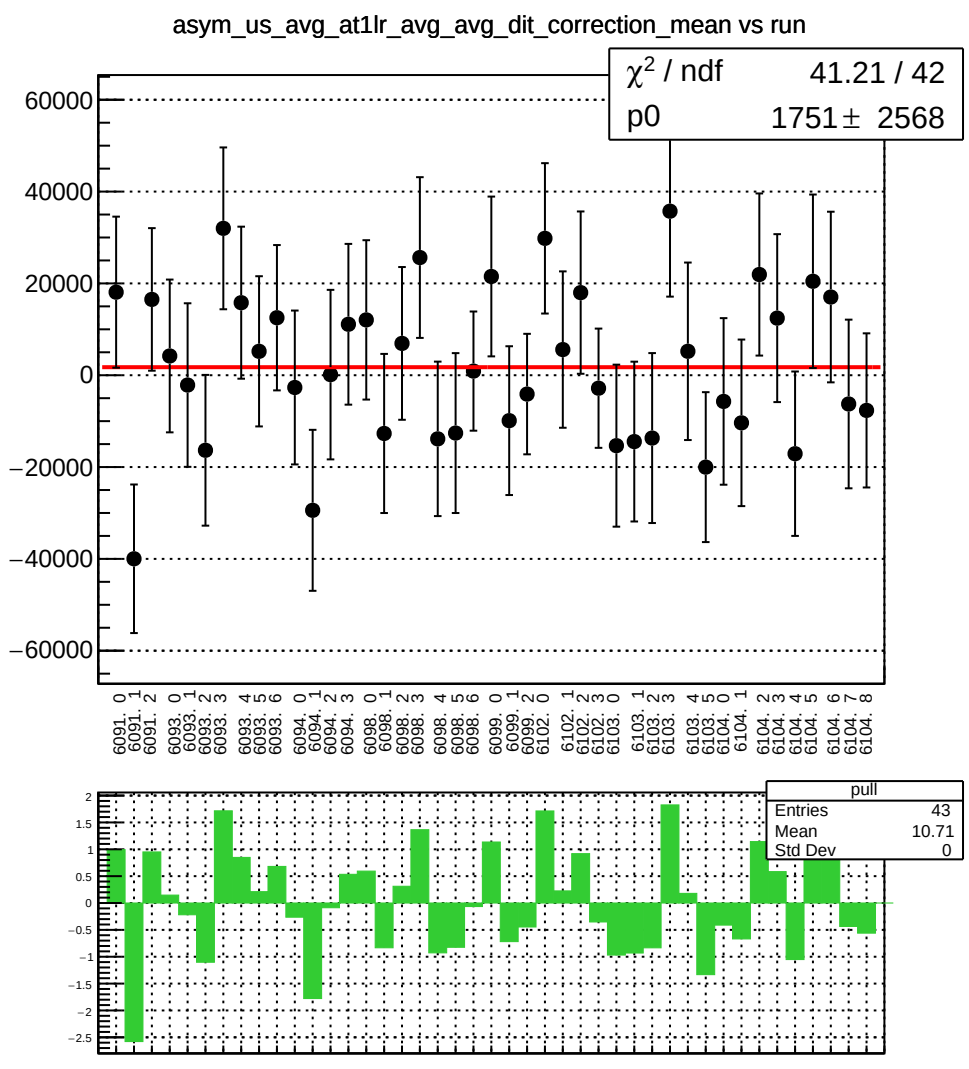

asym_us_avg_at1lr_avg_avg_eigen_cor_correction_mean vs run
χ² / ndf 41.75 / 42
p0 1893 ± 2372
60000
40000
20000
0
−20000
−40000
−60000
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean −1.204
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

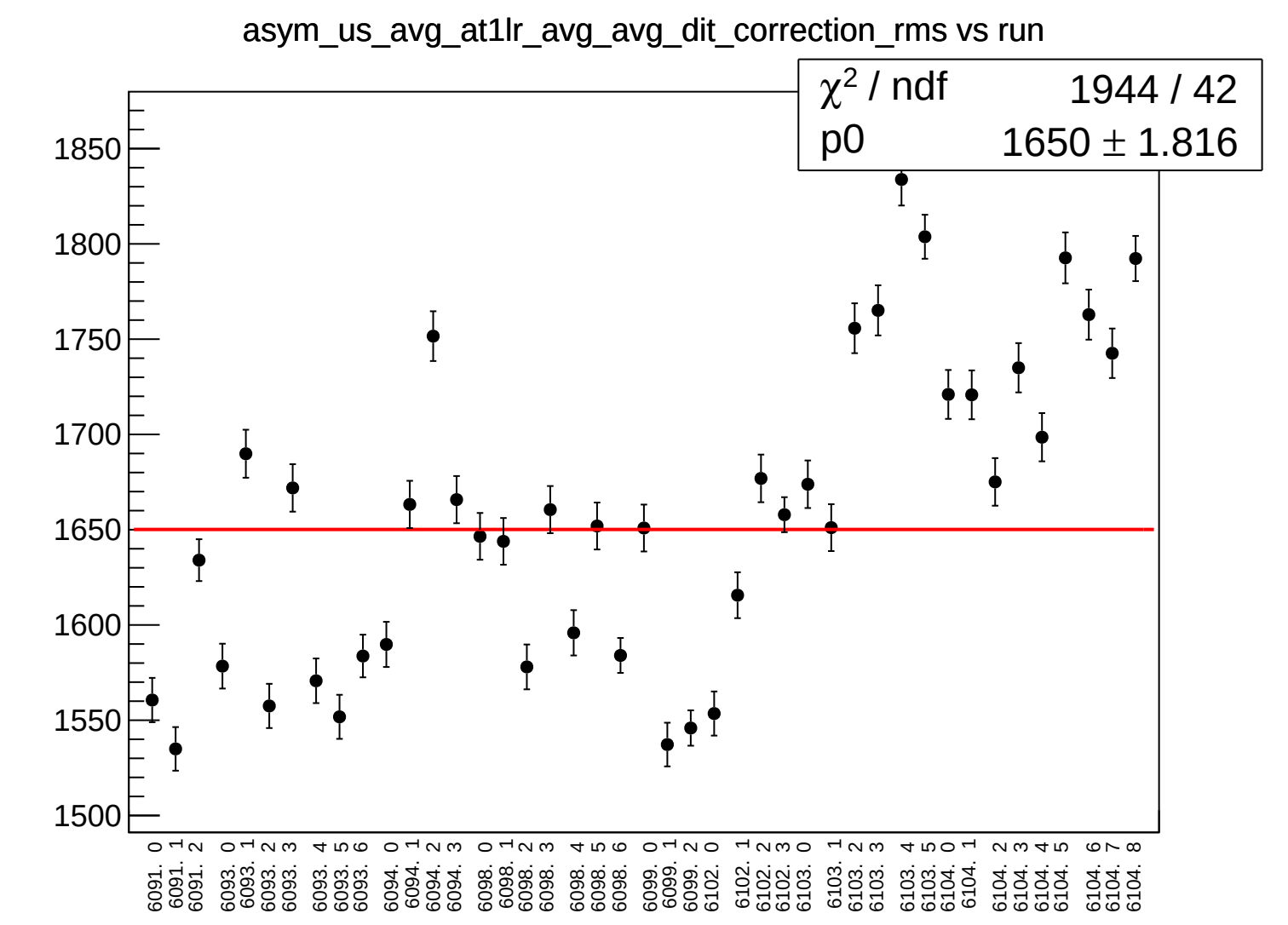

pull1D
Entries 43
Mean 0.01468
Std Dev 0.9853
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

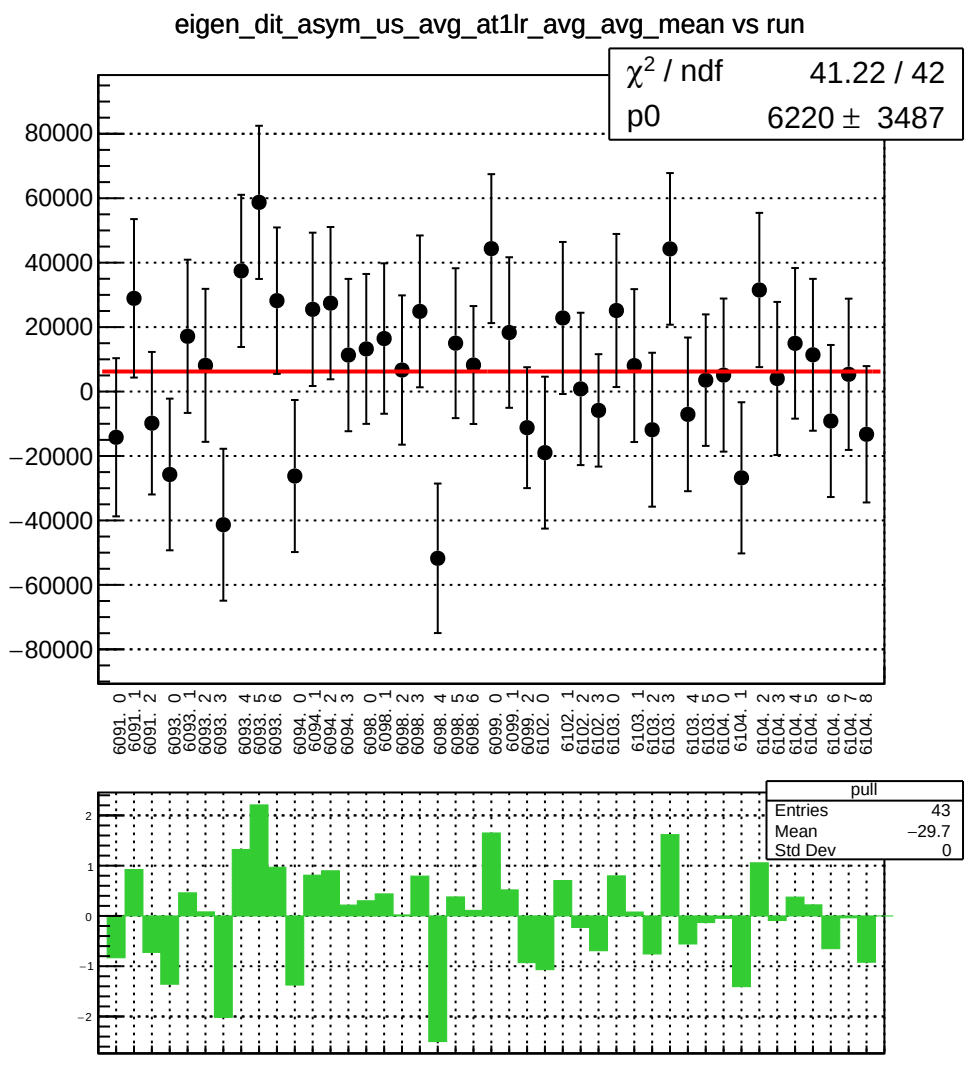

asym_us_avg_at1lr_avg_avg_eigen_cor_correction_rms vs run
χ² / ndf 2066 / 42
p0 1524 ± 1.678
1700
1650
1600
1550
1500
1450
1400
1350
1300
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

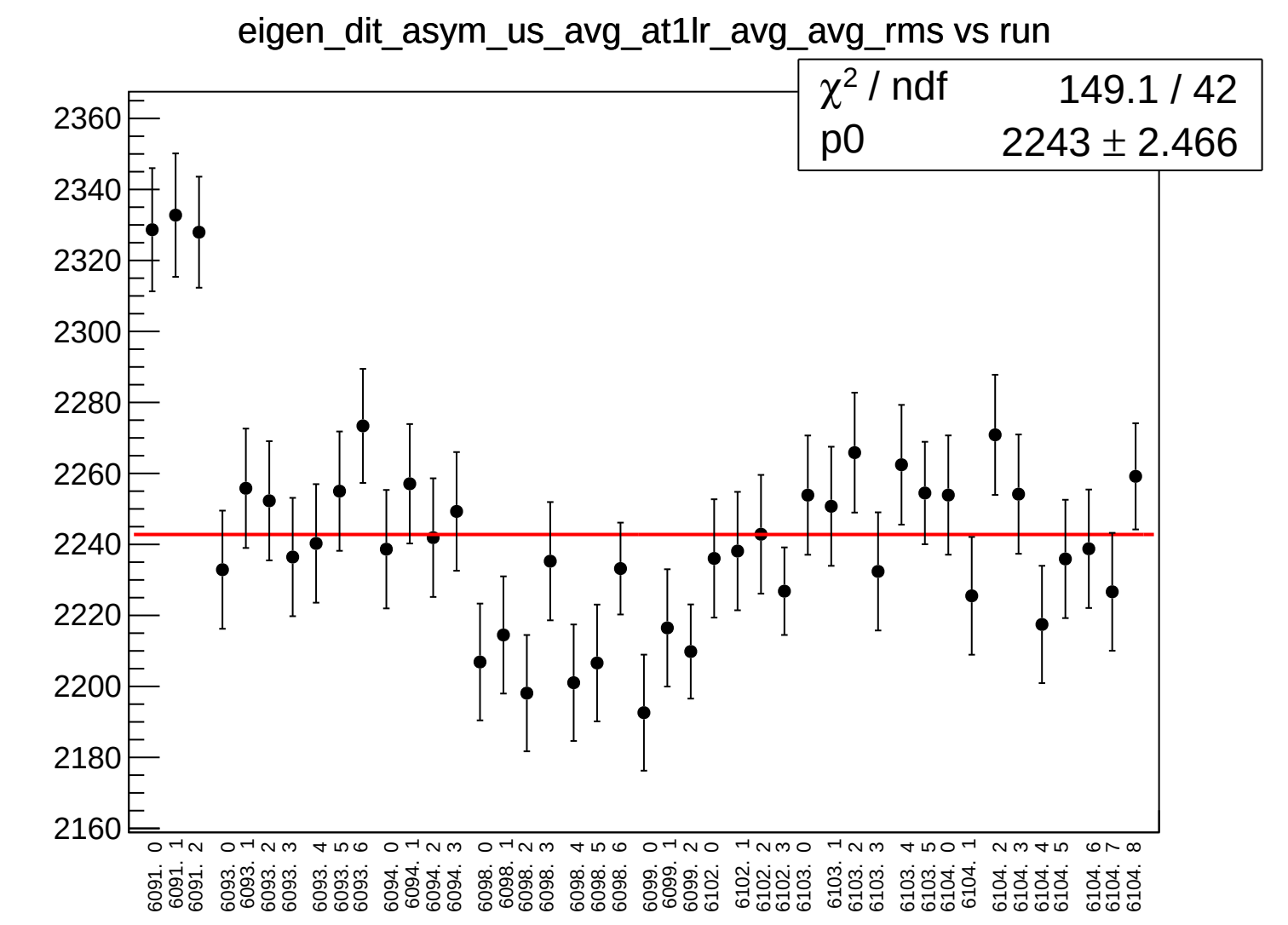

dit_asym_us_avg_at1lr_avg_avg_mean vs run
χ² / ndf 41.22 / 42
p0 6220 ± 3487
80000
60000
40000
20000
0
−20000
−40000
−60000
−80000
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean −29.7
Std Dev 0
2
1
0
−1
−2
pull1D
Entries 43
Mean 0.01446
Std Dev 0.979
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

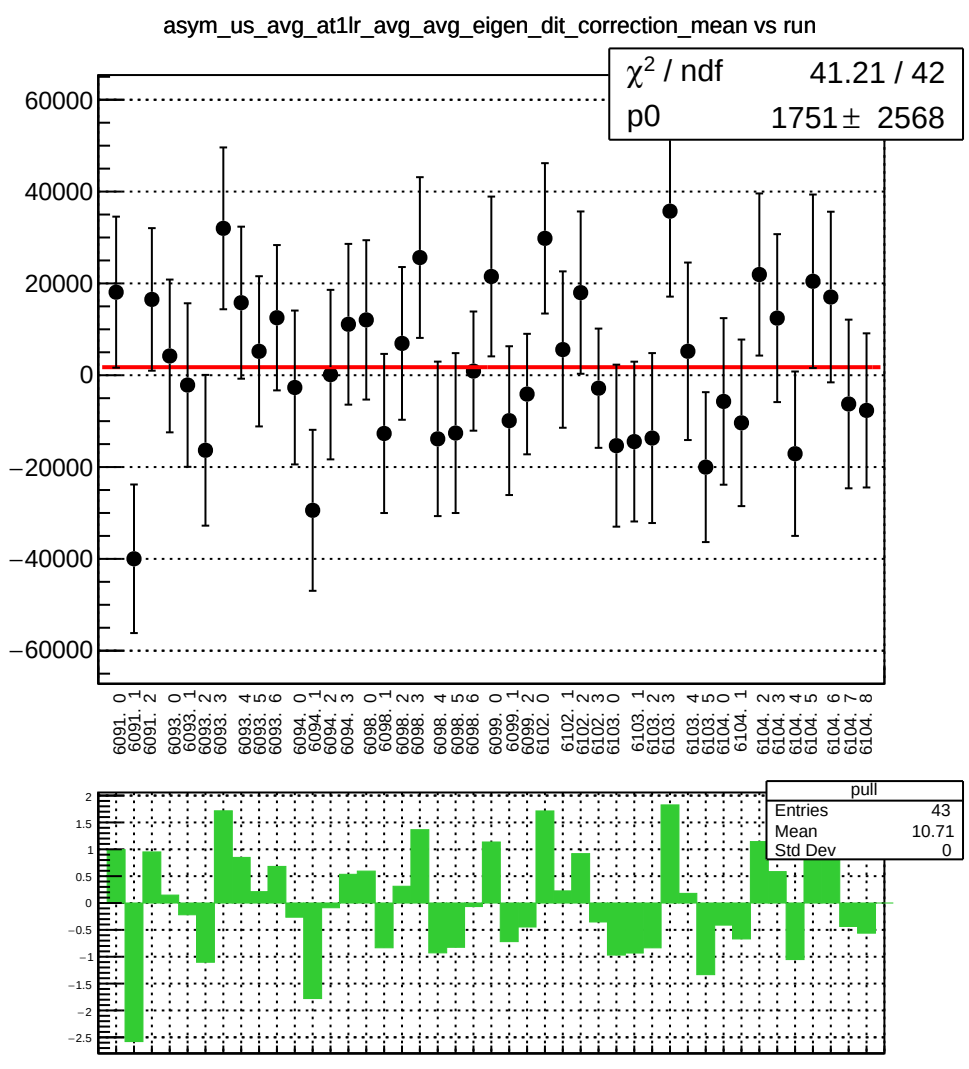

dit_asym_us_avg_at1lr_avg_avg_rms vs run
χ² / ndf 149.1 / 42
p0 2243 ± 2.466
2360
2340
2320
2300
2280
2260
2240
2220
2200
2180
2160
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

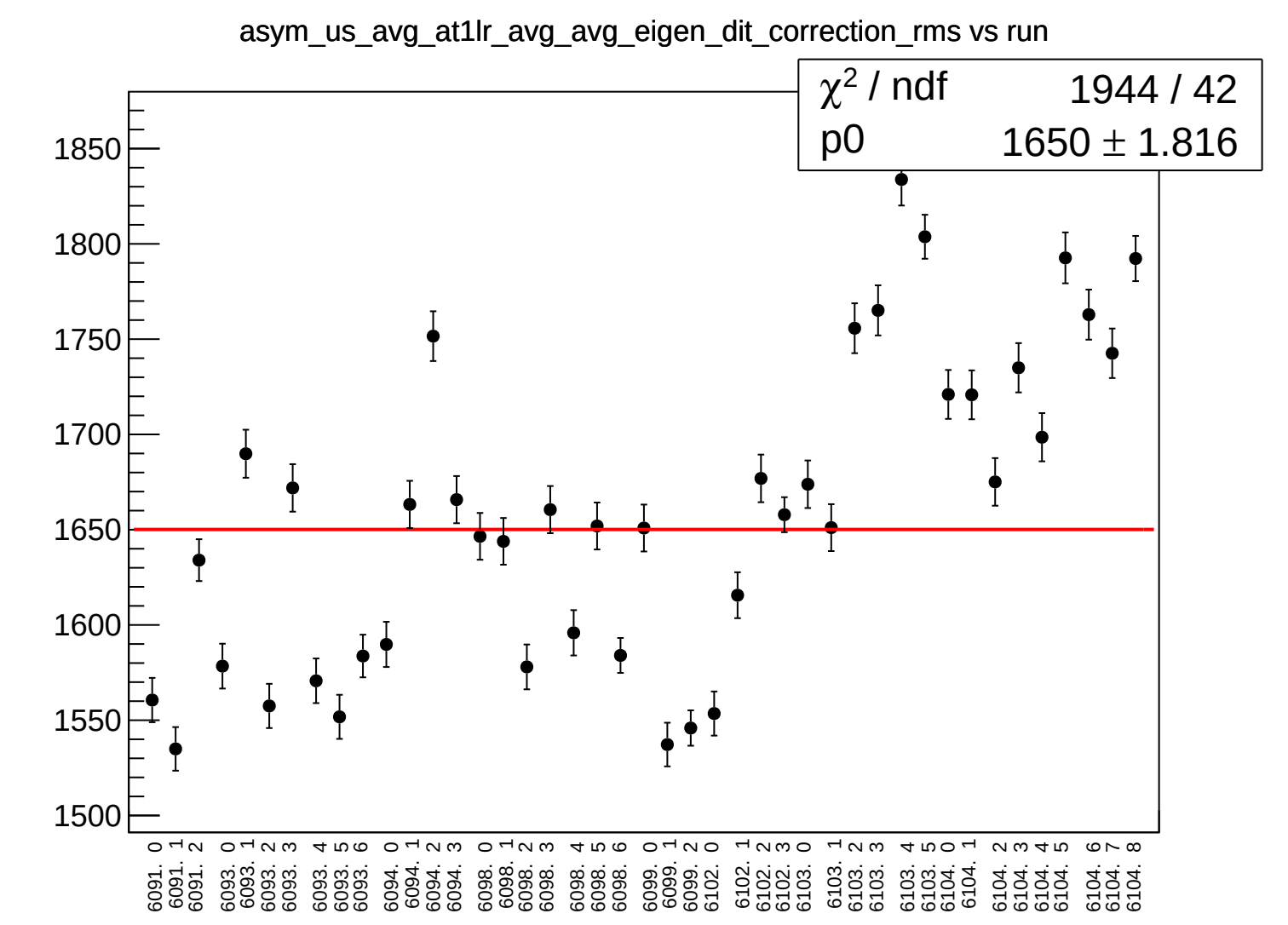

asym_us_avg_at1lr_avg_avg_dit_correction_mean vs run
χ² / ndf 41.21 / 42
p0 1751 ± 2568
60000
40000
20000
0
−20000
−40000
−60000
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 10.71
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5
pull1D
Entries 43
Mean 0.0116
Std Dev 0.9789
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

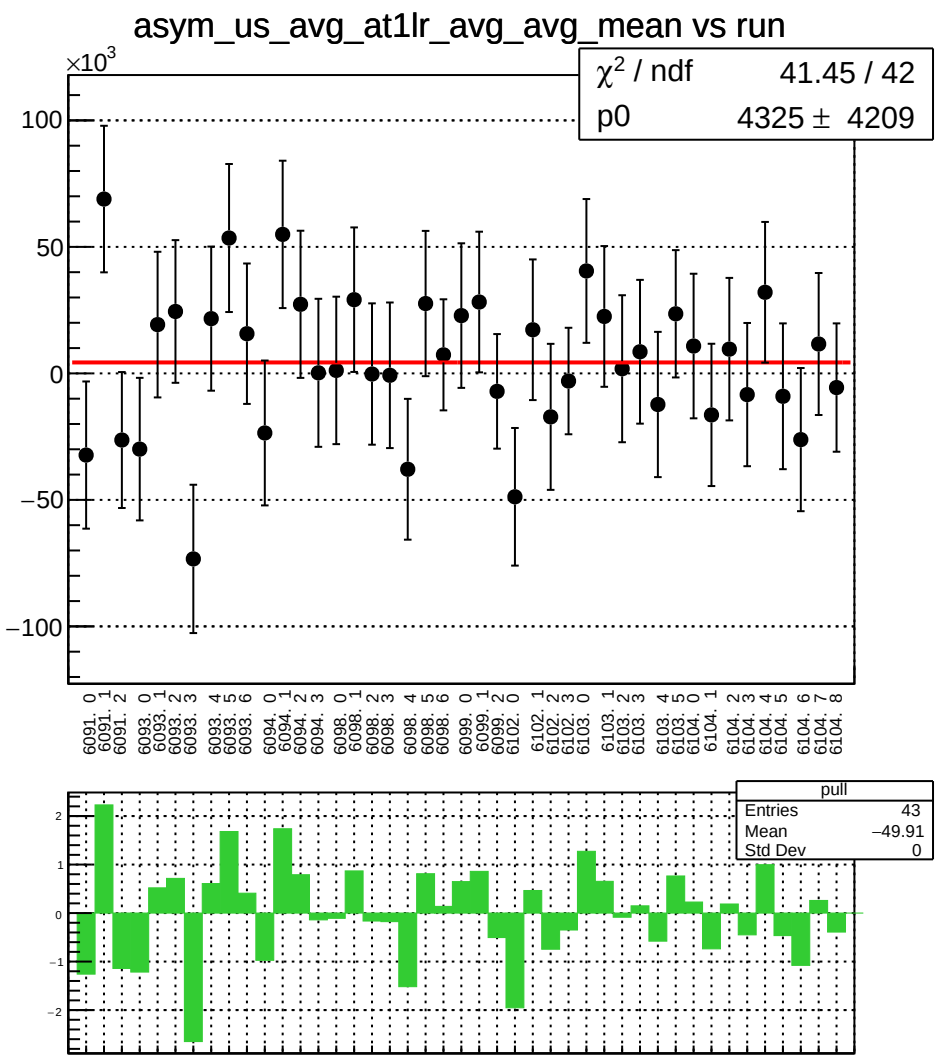

asym_us_avg_at1lr_avg_avg_dit_correction_rms vs run
χ² / ndf 1944 / 42
p0 1650 ± 1.816
1850
1800
1750
1700
1650
1600
1550
1500
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

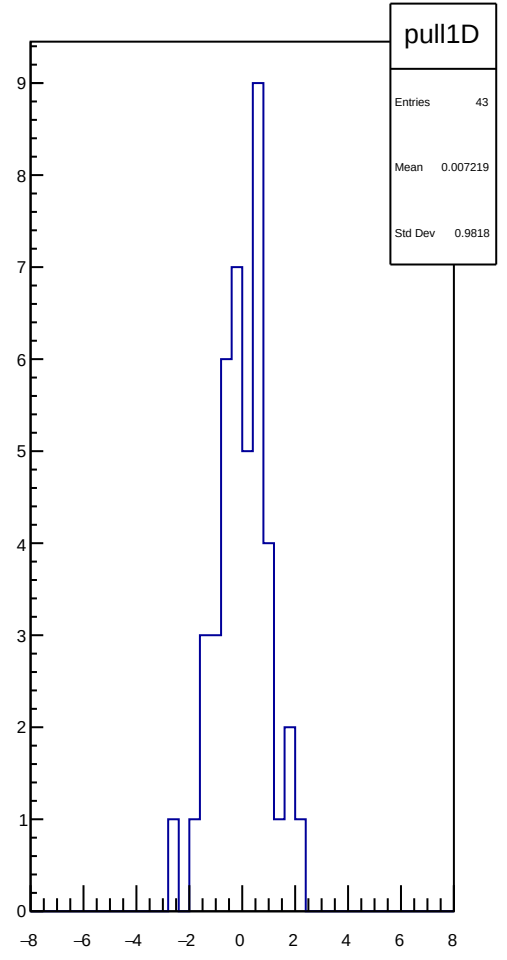

eigen_dit_asym_us_avg_at1lr_avg_avg_mean vs run
χ² / ndf 41.22 / 42
p0 6220 ± 3487
80000
60000
40000
20000
0
−20000
−40000
−60000
−80000
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean −29.7
Std Dev 0
2
1
0
−1
−2
pull1D
Entries 43
Mean 0.01446
Std Dev 0.979
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

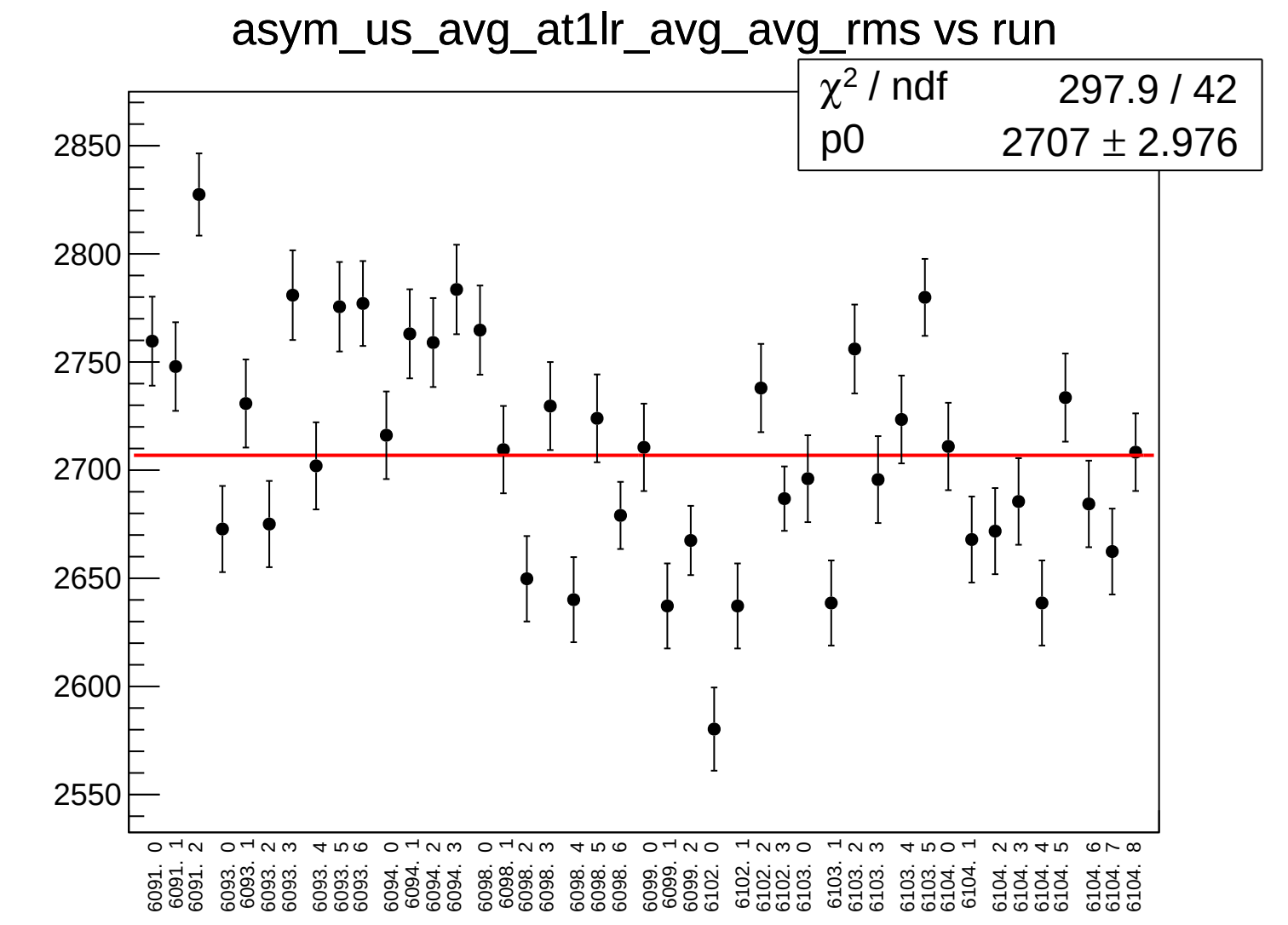

eigen_dit_asym_us_avg_at1lr_avg_avg_rms vs run
χ² / ndf 149.1 / 42
p0 2243 ± 2.466
2360
2340
2320
2300
2280
2260
2240
2220
2200
2180
2160
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

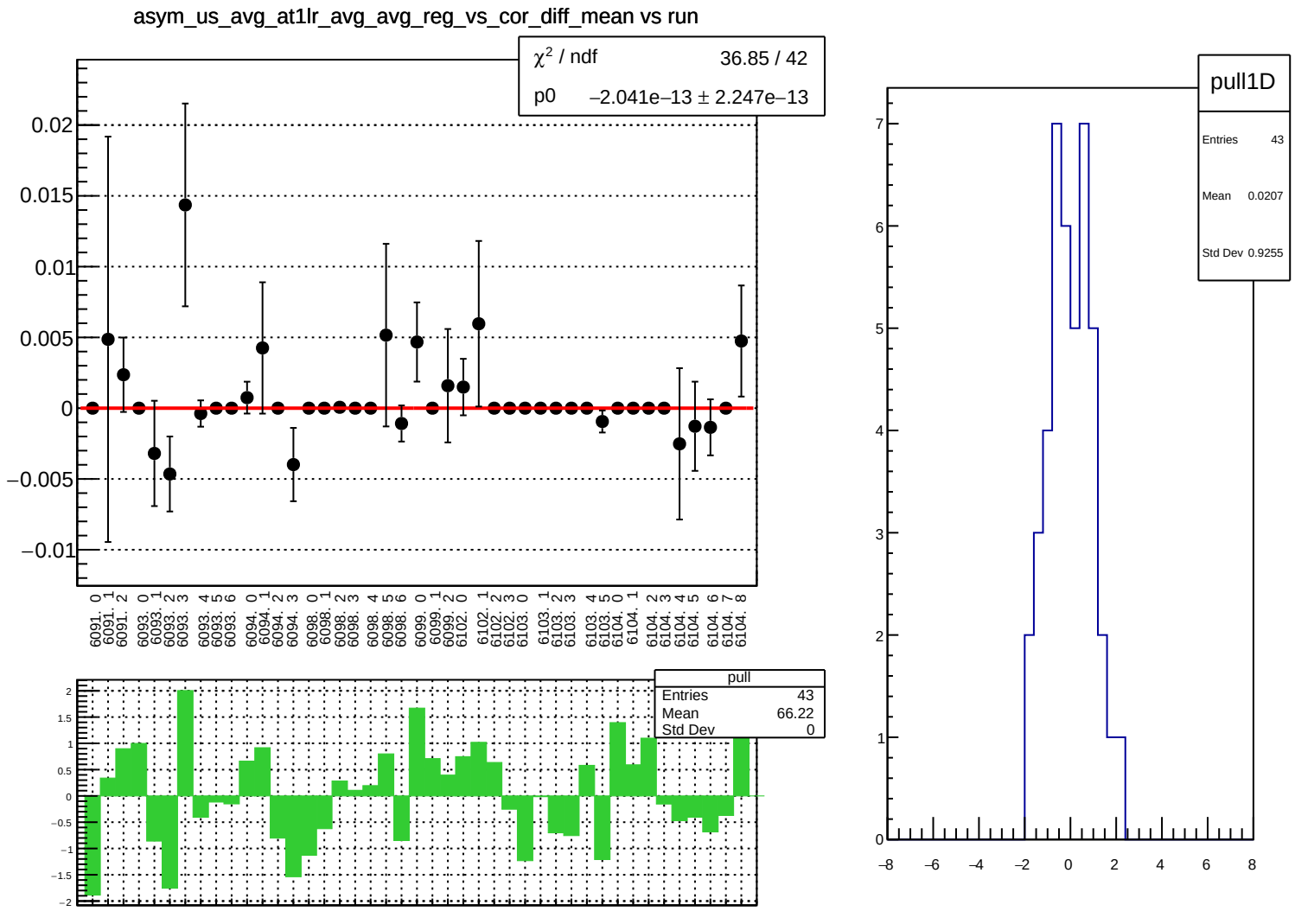

asym_us_avg_at1lr_avg_avg_eigen_dit_correction_mean vs run
χ² / ndf 41.21 / 42
p0 1751 ± 2568
60000
40000
20000
0
−20000
−40000
−60000
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 10.71
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5
pull1D
Entries 43
Mean 0.0116
Std Dev 0.9789
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

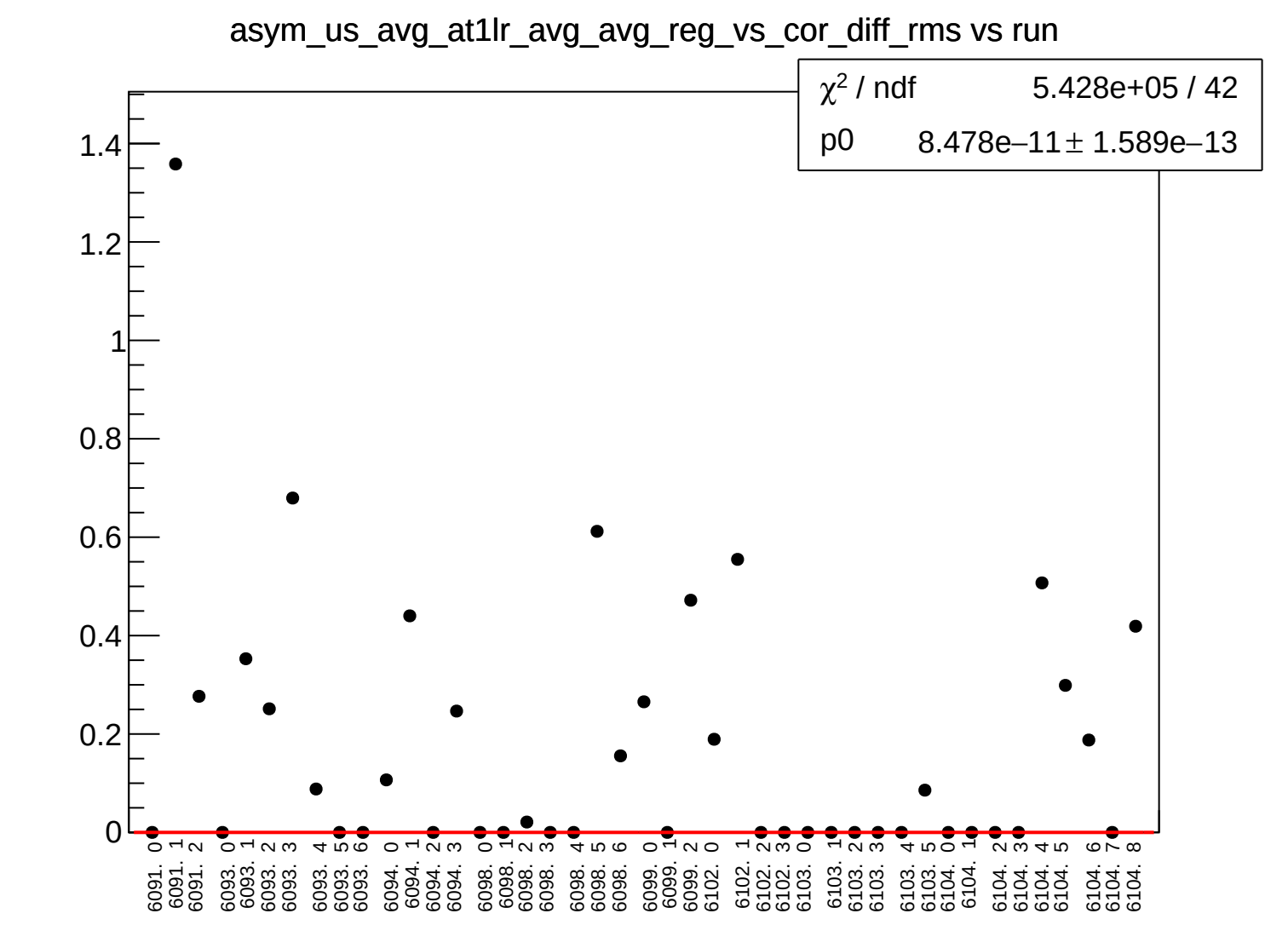

asym_us_avg_at1lr_avg_avg_eigen_dit_correction_rms vs run
χ² / ndf 1944 / 42
p0 1650 ± 1.816
1850
1800
1750
1700
1650
1600
1550
1500
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

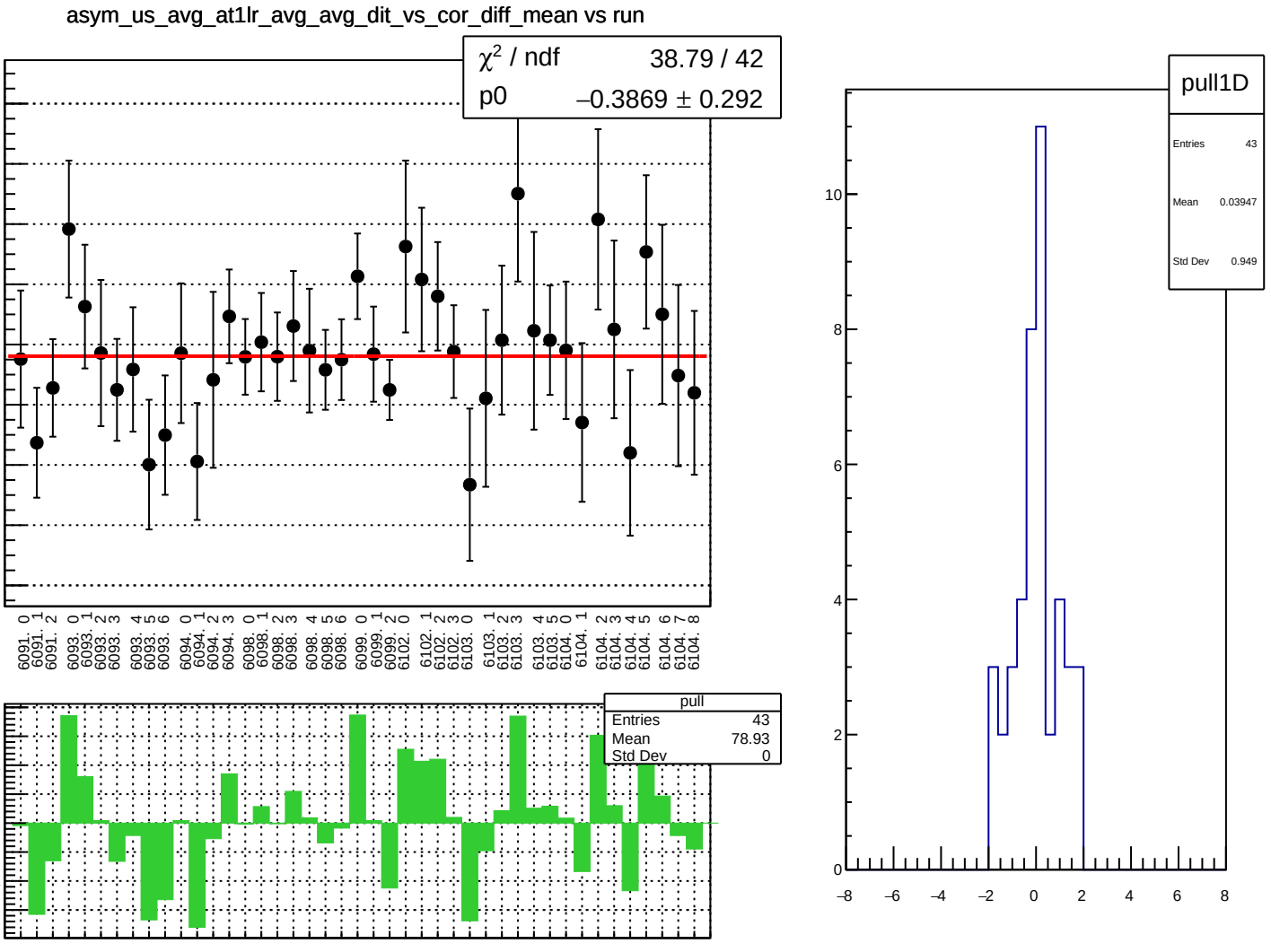

asym_us_avg_at1lr_avg_avg_mean vs run
×10^3
χ² / ndf 41.45 / 42
p0 4325 ± 4209
100
50
0
−50
−100
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean −49.91
Std Dev 0
2
1
0
−1
−2

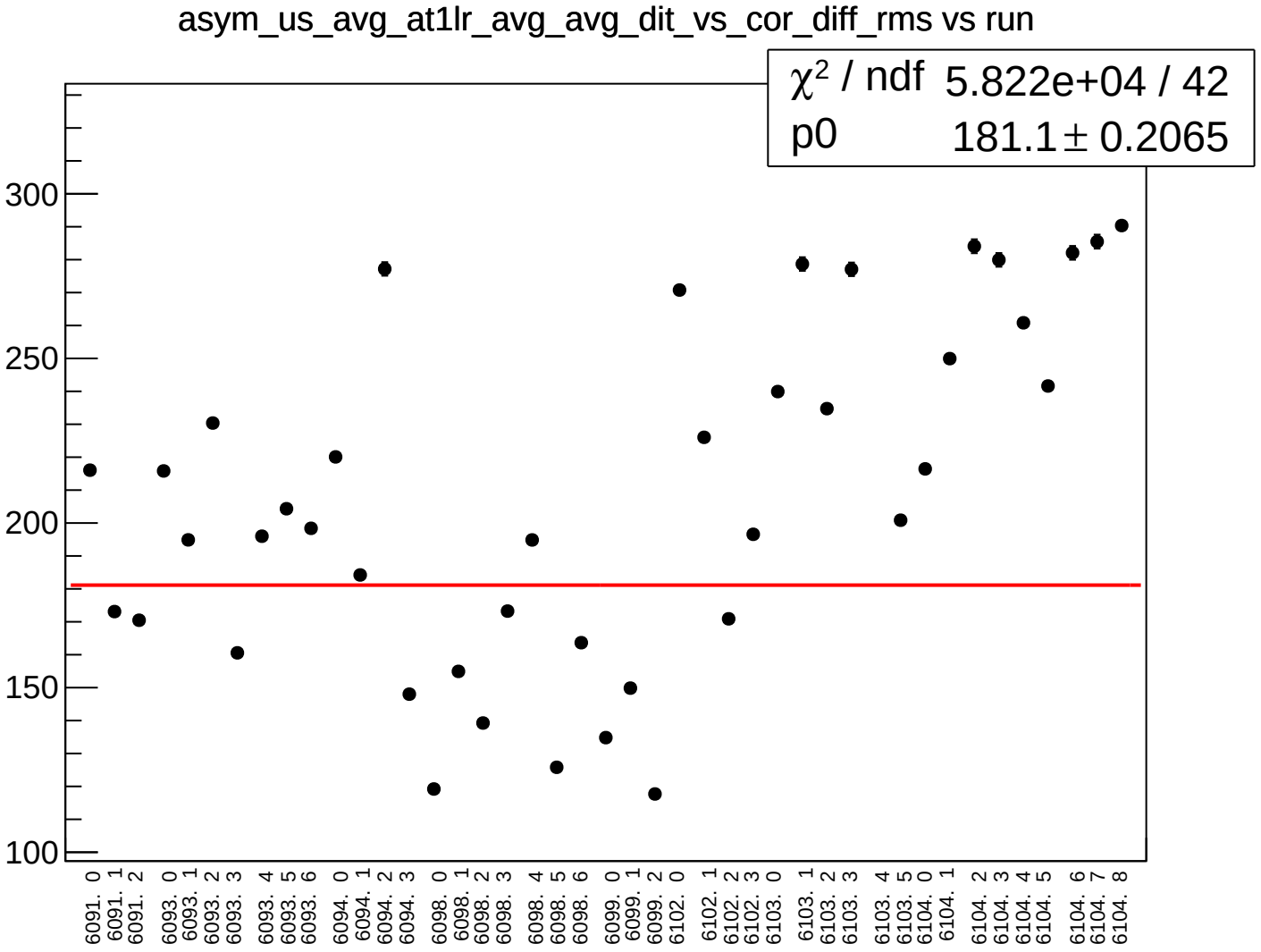

pull1D
Entries 43
Mean 0.007219
Std Dev 0.9818
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

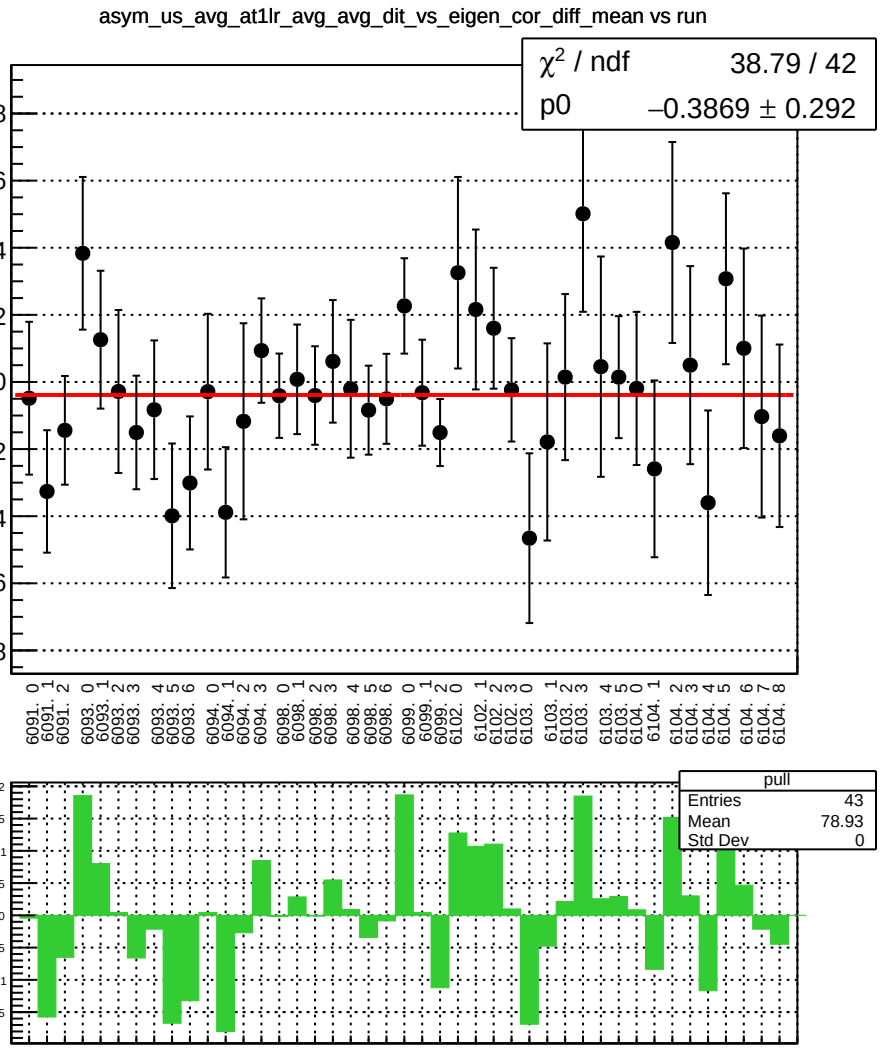

asym_us_avg_at1lr_avg_avg_rms vs run
χ² / ndf 297.9 / 42
p0 2707 ± 2.976
2850
2800
2750
2700
2650
2600
2550
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

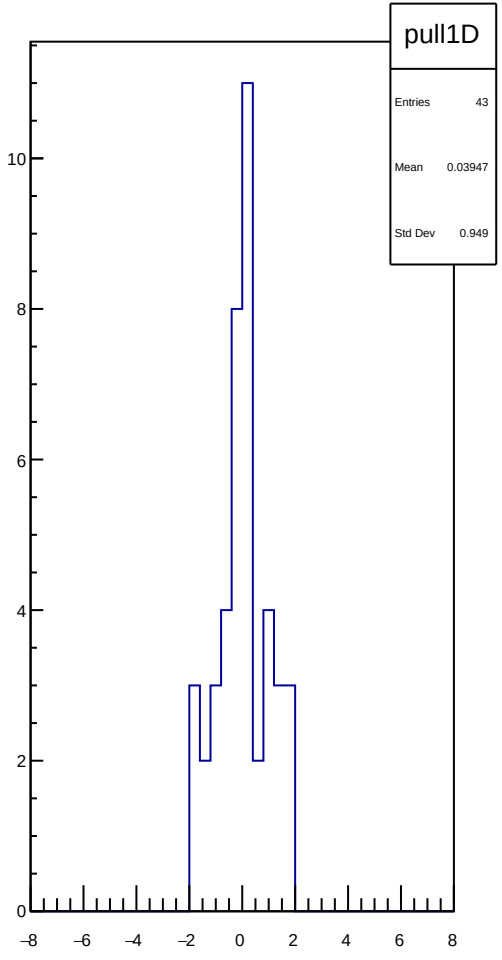

asym_us_avg_at1lr_avg_avg_reg_vs_cor_diff_mean vs run
χ² / ndf 36.85 / 42
p0 −2.041e−13 ± 2.247e−13
0.02
0.015
0.01
0.005
0
−0.005
−0.01
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 66.22
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 43
Mean 0.0207
Std Dev 0.9255
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

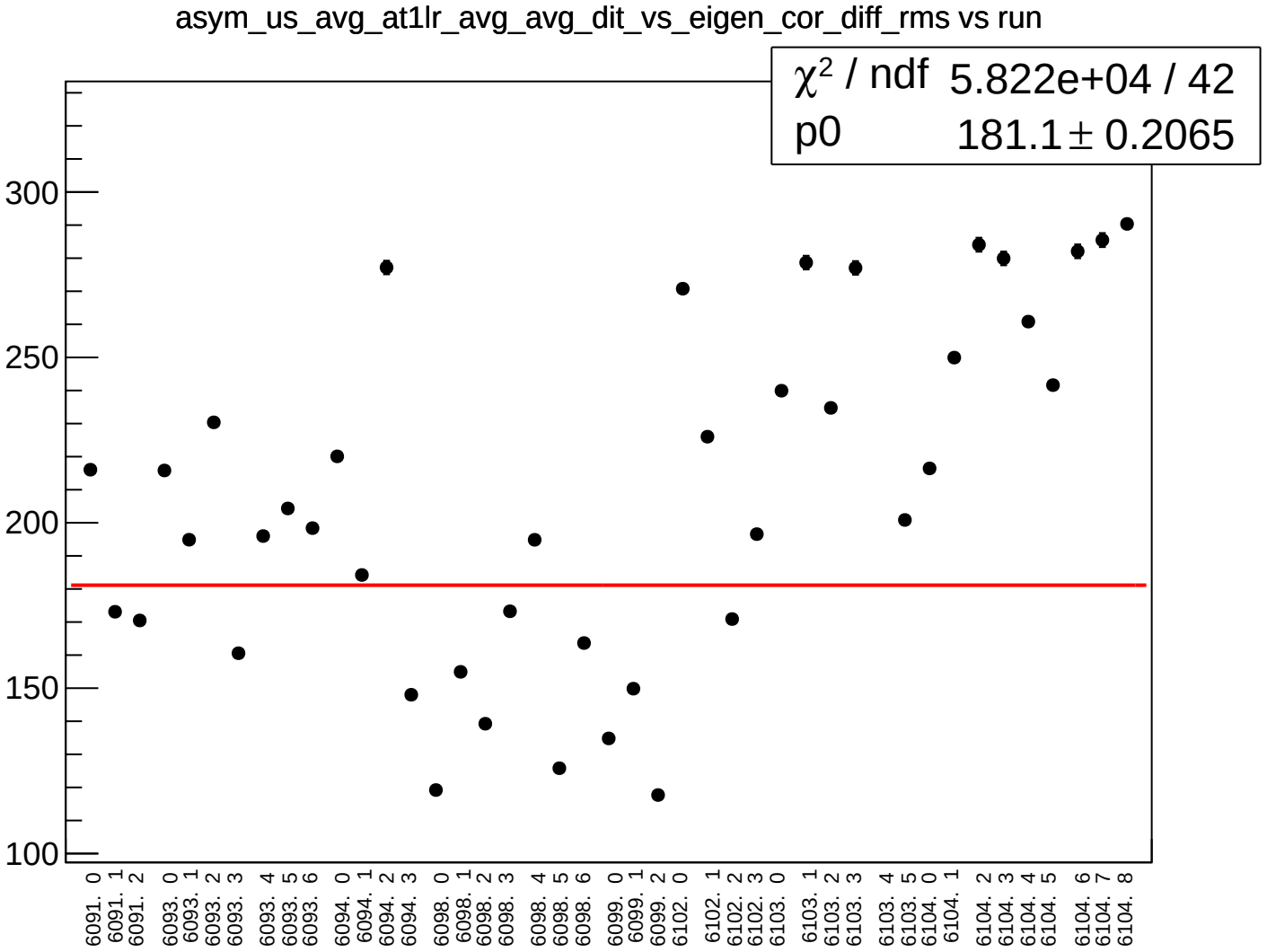

asym_us_avg_at1lr_avg_avg_reg_vs_cor_diff_rms vs run
χ² / ndf 5.428e+05 / 42
p0 8.478e−11 ± 1.589e−13
1.4
1.2
1
0.8
0.6
0.4
0.2
0
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

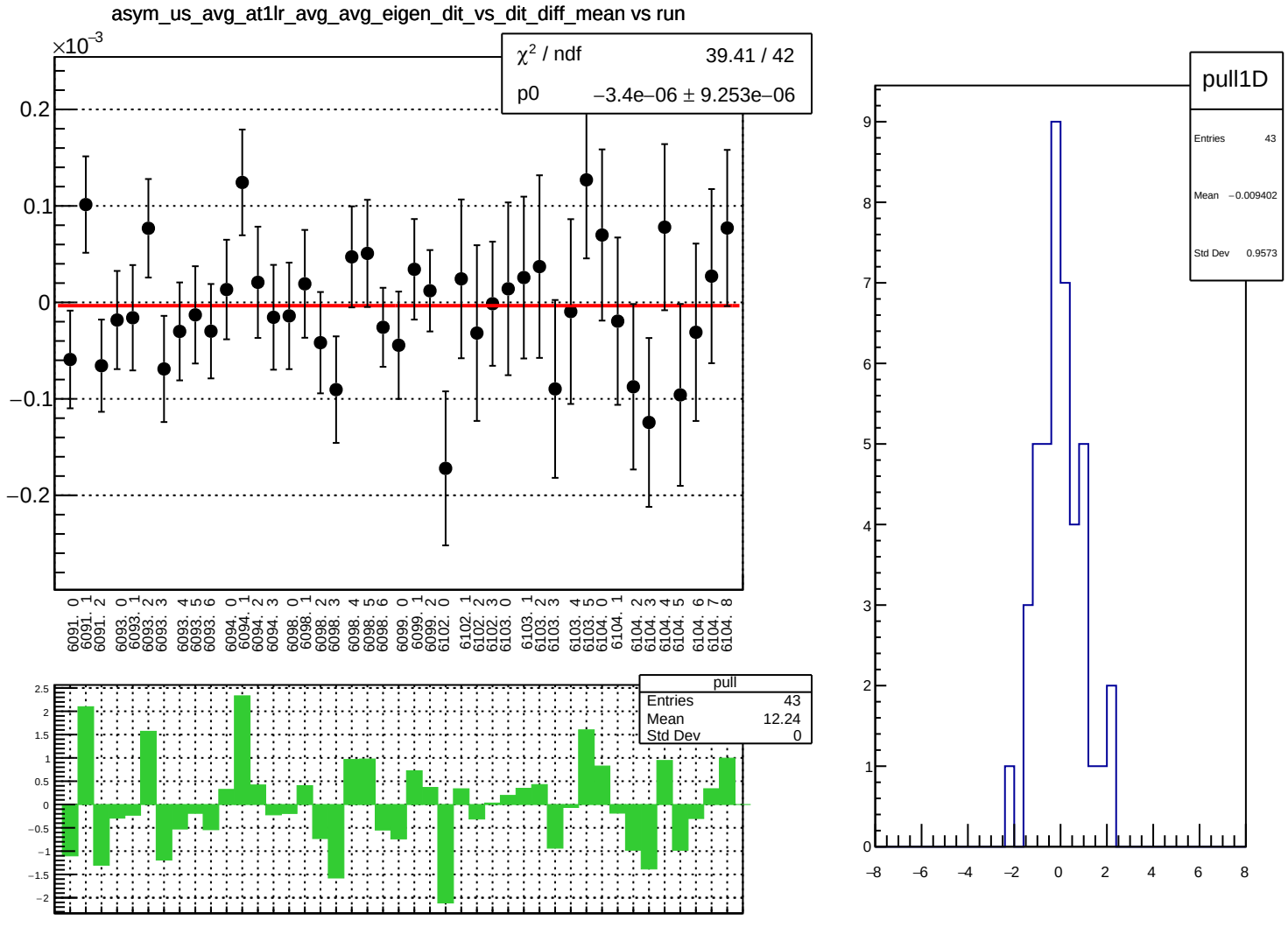

asym_us_avg_at1lr_avg_avg_dit_vs_cor_diff_mean vs run
χ² / ndf 38.79 / 42
p0 −0.3869 ± 0.292
pull
Entries 43
Mean 78.93
Std Dev 0
pull1D
Entries 43
Mean 0.03947
Std Dev 0.949

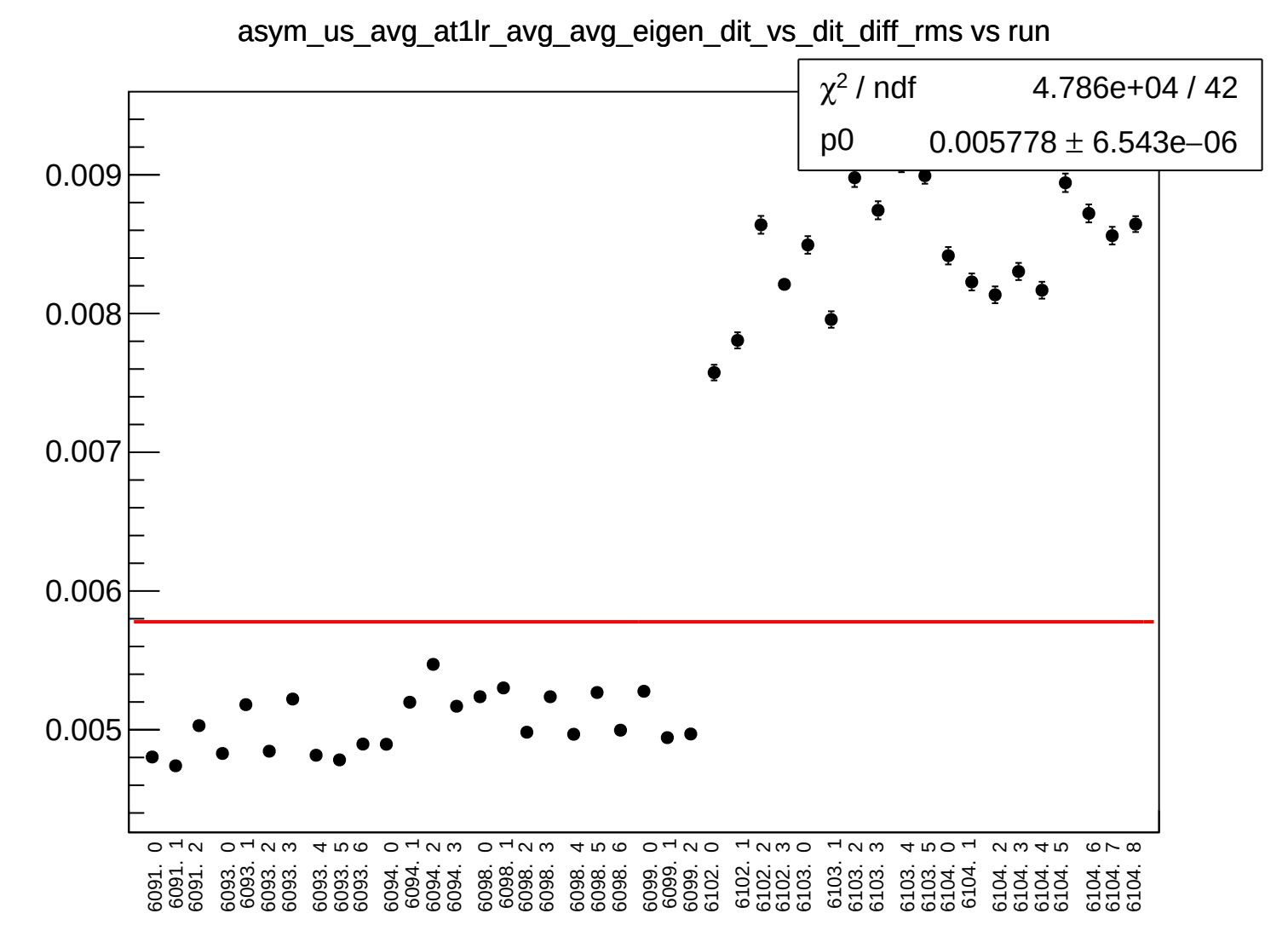

asym_us_avg_at1lr_avg_avg_dit_vs_cor_diff_rms vs run
χ² / ndf 5.822e+04 / 42
p0 181.1 ± 0.2065
300
250
200
150
100
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

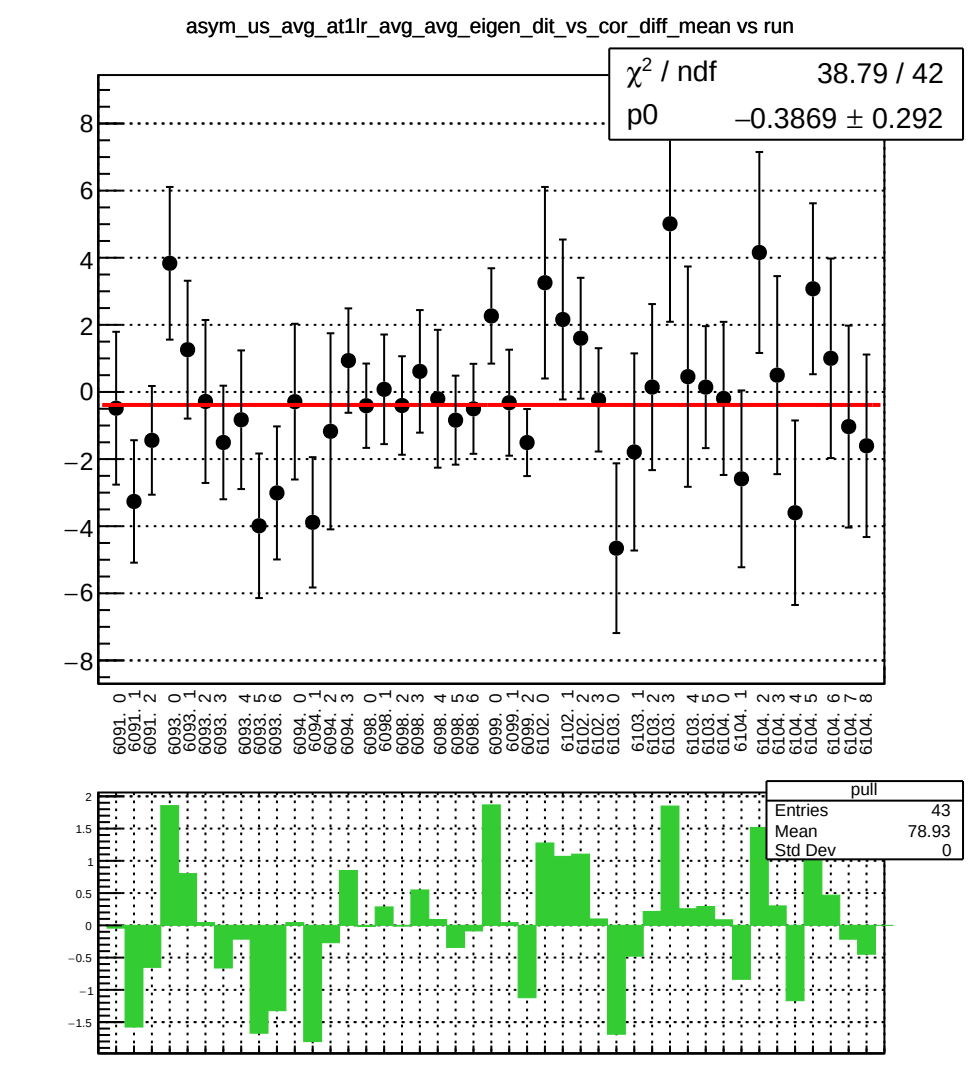

asym_us_avg_at1lr_avg_avg_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 38.79 / 42
p0 −0.3869 ± 0.292
pull
Entries 43
Mean 78.93
Std Dev 0

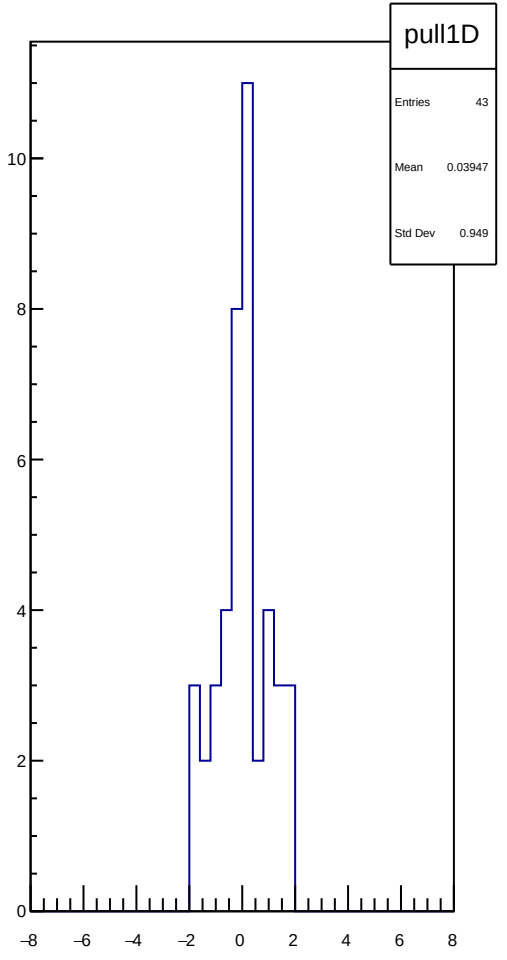

pull1D
Entries 43
Mean 0.03947
Std Dev 0.949

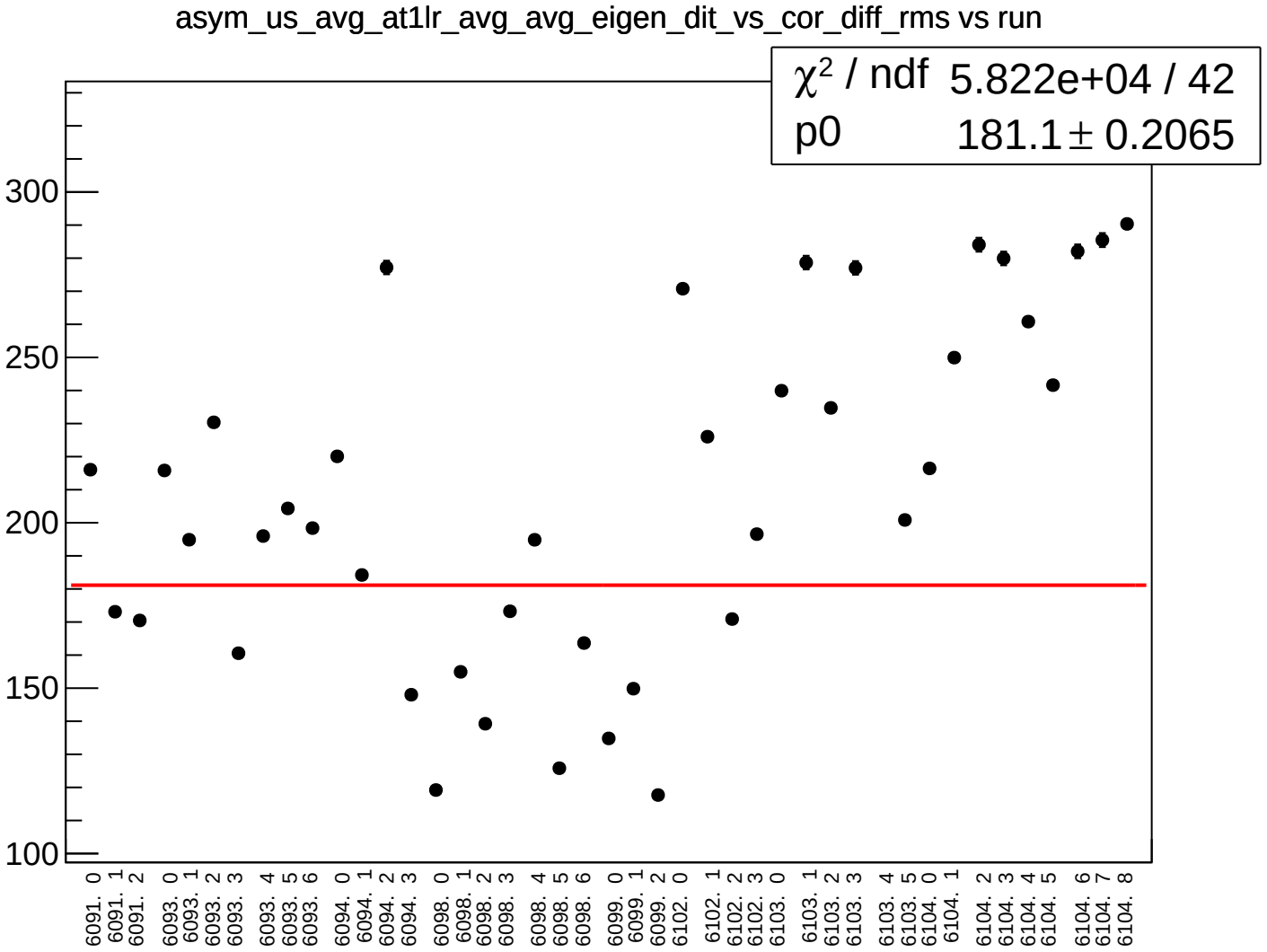

asym_us_avg_at1lr_avg_avg_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 5.822e+04 / 42
p0 181.1 ± 0.2065
300
250
200
150
100
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

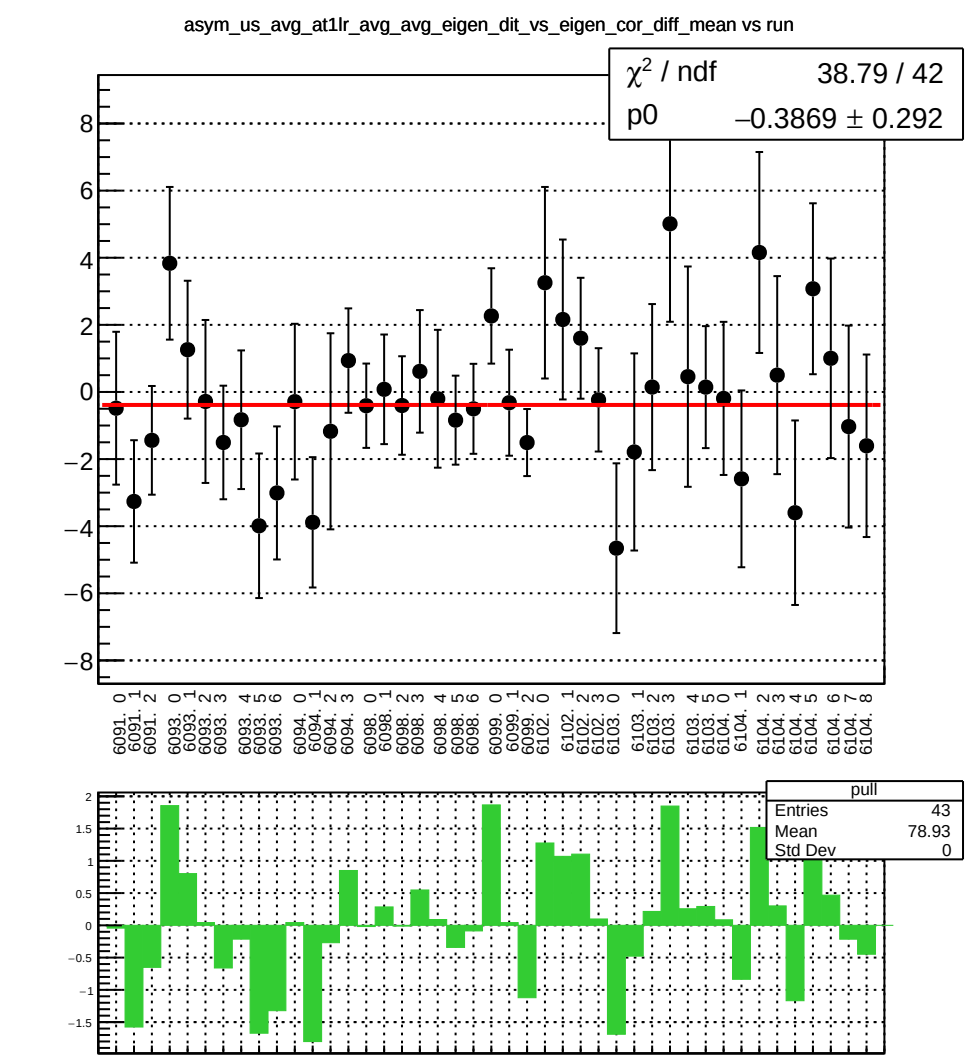

asym_us_avg_at1lr_avg_avg_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 39.41 / 42
p0 −3.4e−06 ± 9.253e−06
0.2
0.1
0
−0.1
−0.2
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 12.24
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 43
Mean −0.009402
Std Dev 0.9573
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

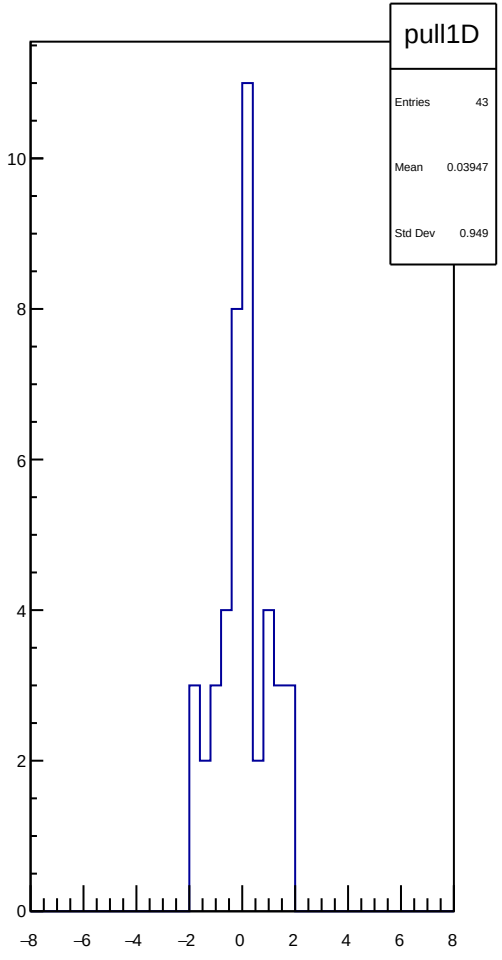

asym_us_avg_at1lr_avg_avg_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 4.786e+04 / 42
p0 0.005778 ± 6.543e−06
0.009
0.008
0.007
0.006
0.005
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

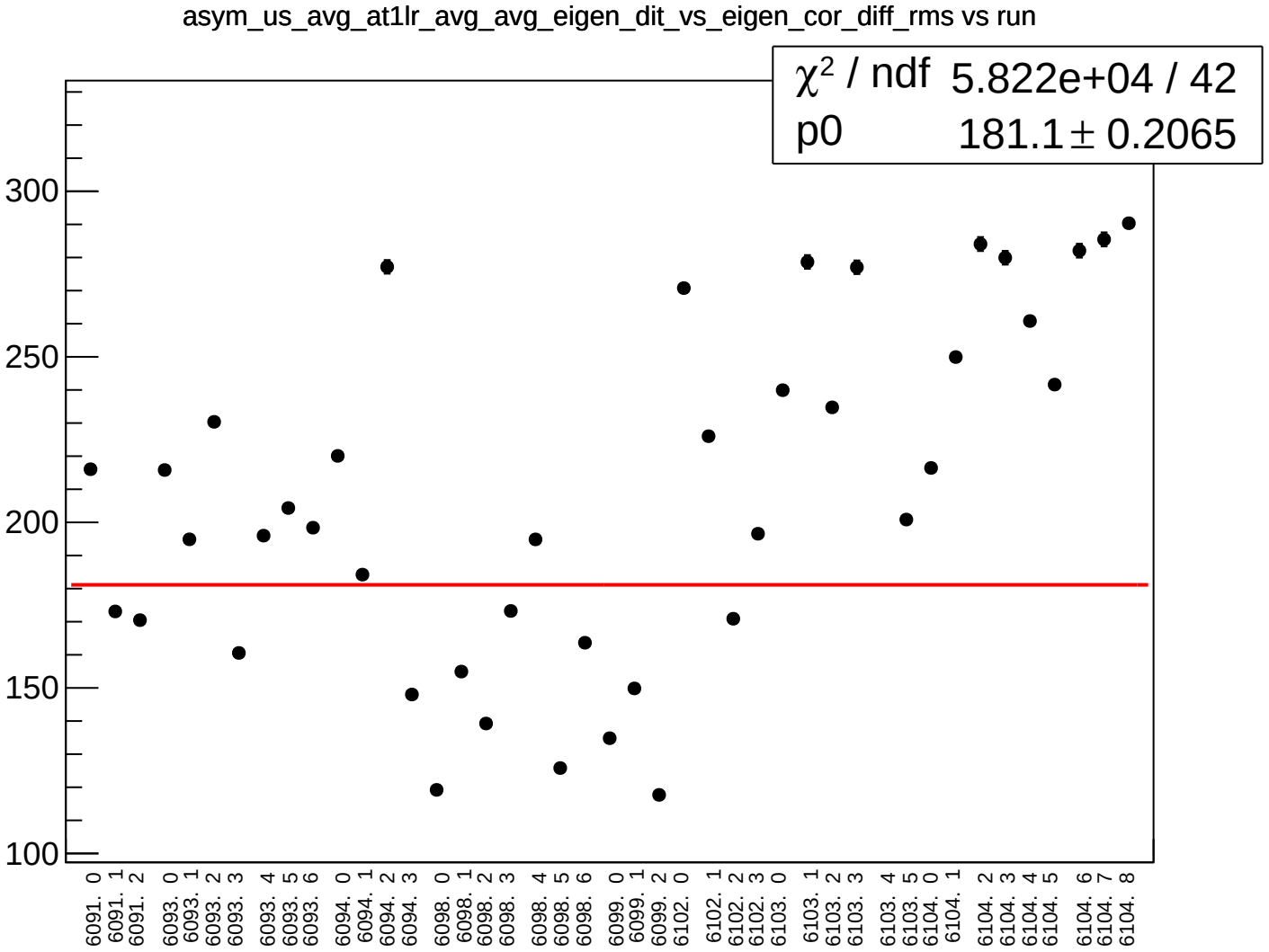

asym_us_avg_at1lr_avg_avg_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 38.79 / 42
p0 −0.3869 ± 0.292
pull
Entries 43
Mean 78.93
Std Dev 0

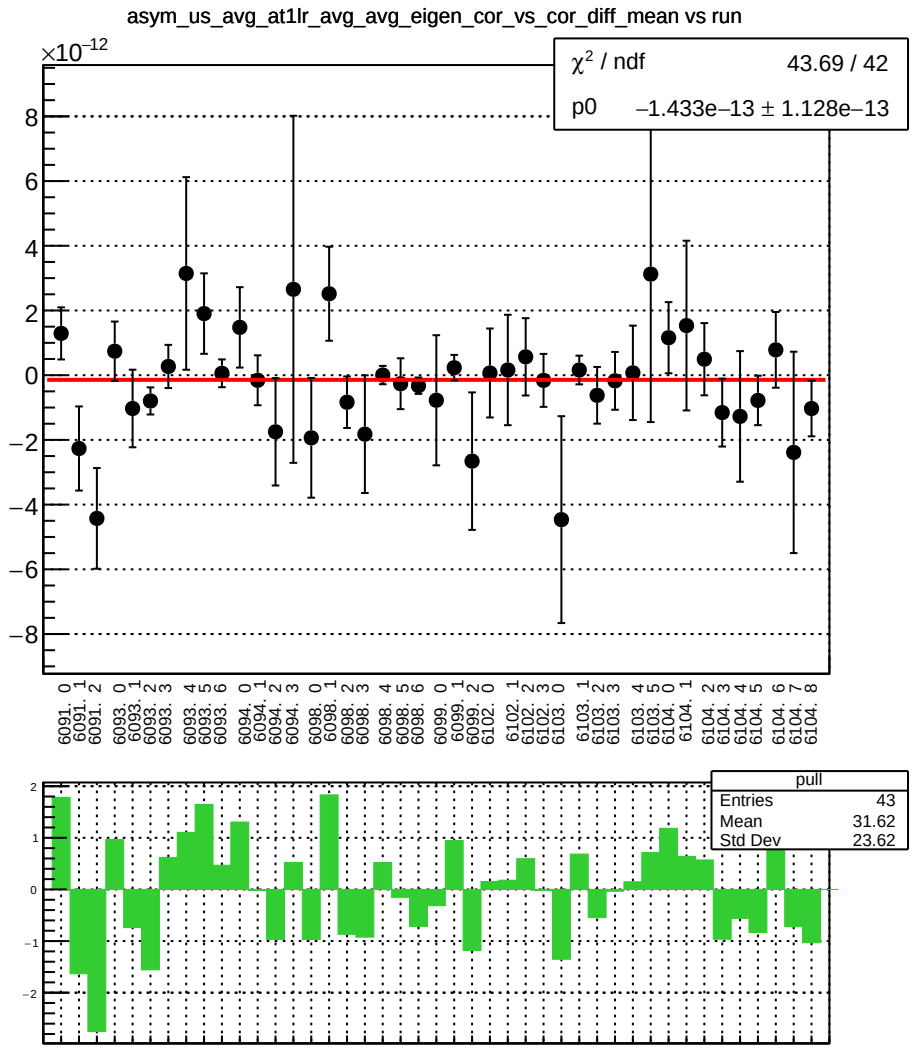

pull1D
Entries 43
Mean 0.03947
Std Dev 0.949

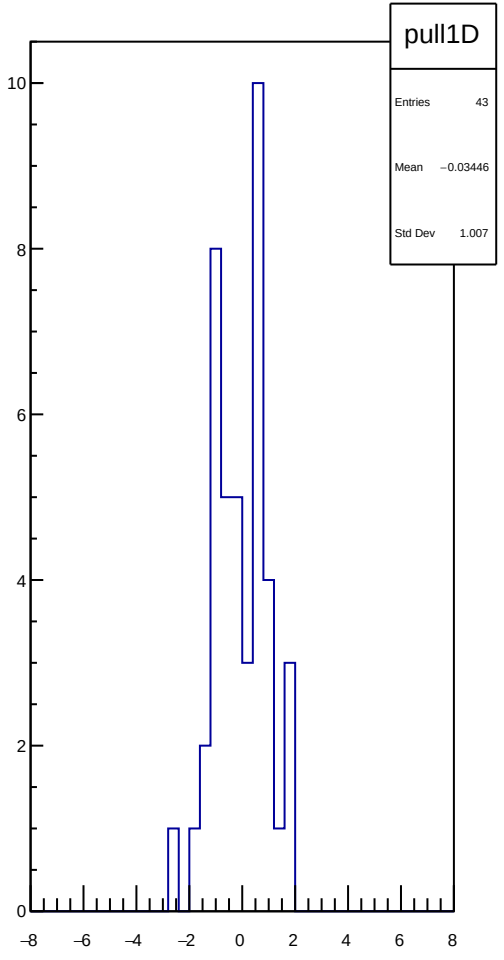

asym_us_avg_at1lr_avg_avg_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 5.822e+04 / 42
p0 181.1 ± 0.2065
300
250
200
150
100
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

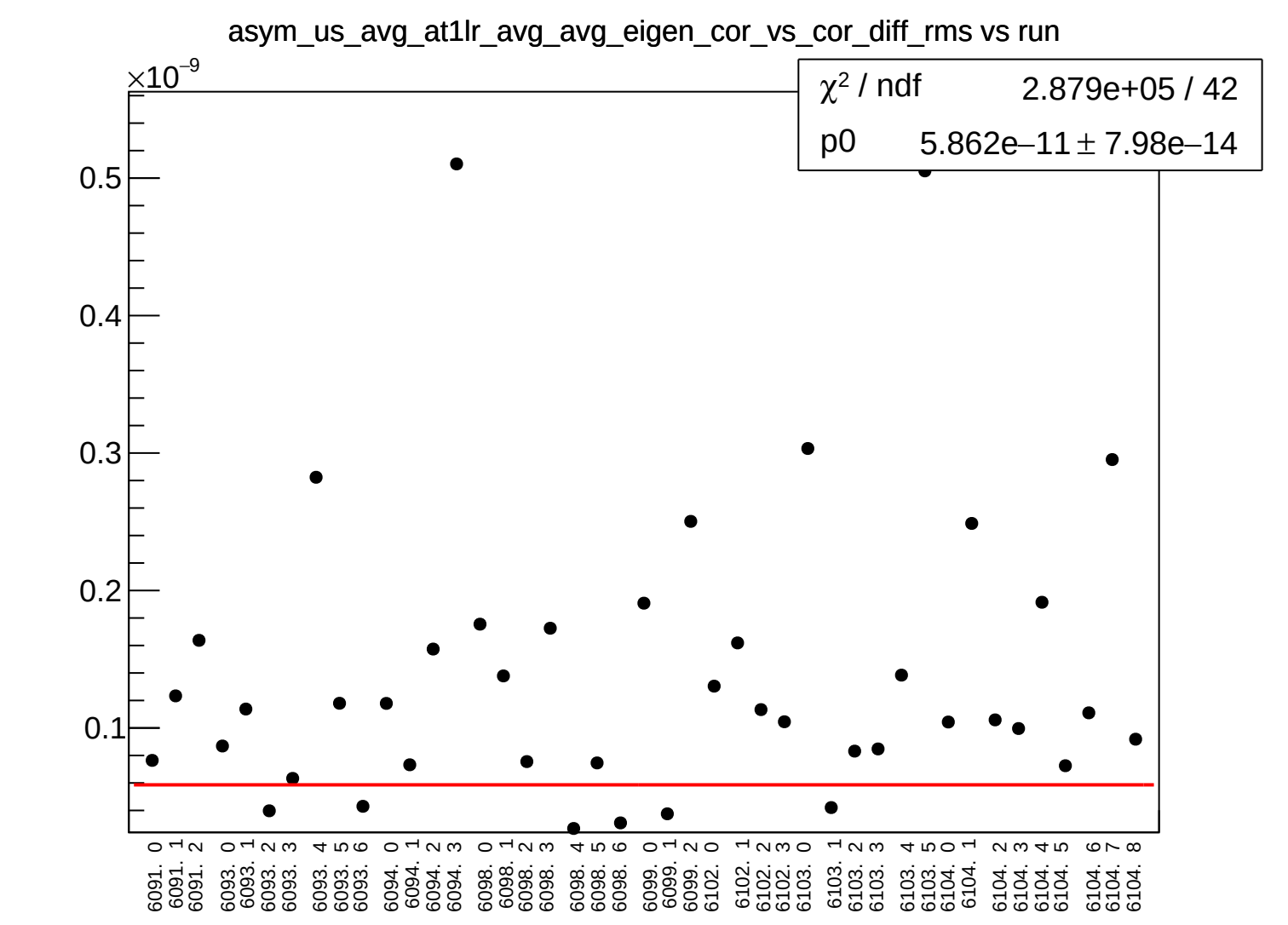

asym_us_avg_at1lr_avg_avg_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 38.79 / 42
p0 −0.3869 ± 0.292
pull
Entries 43
Mean 78.93
Std Dev 0

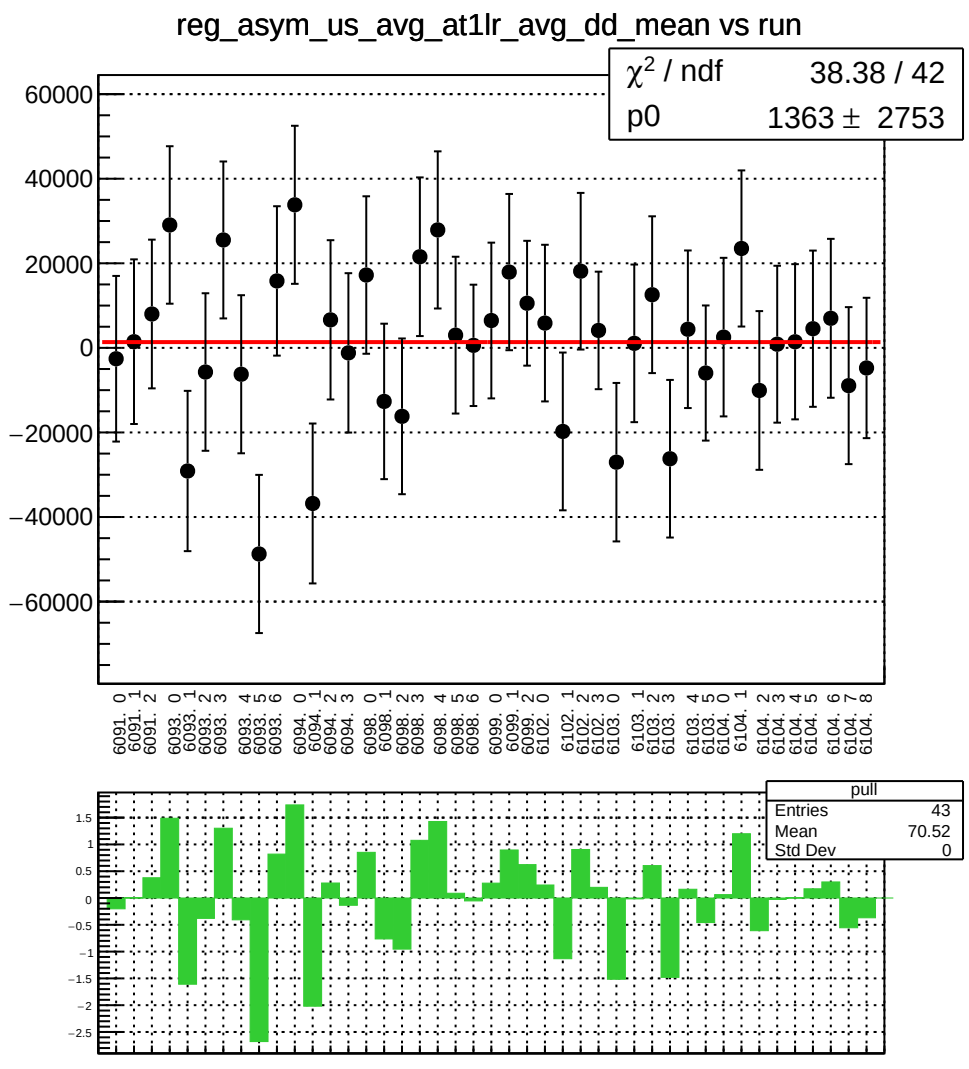

pull1D
Entries 43
Mean 0.03947
Std Dev 0.949

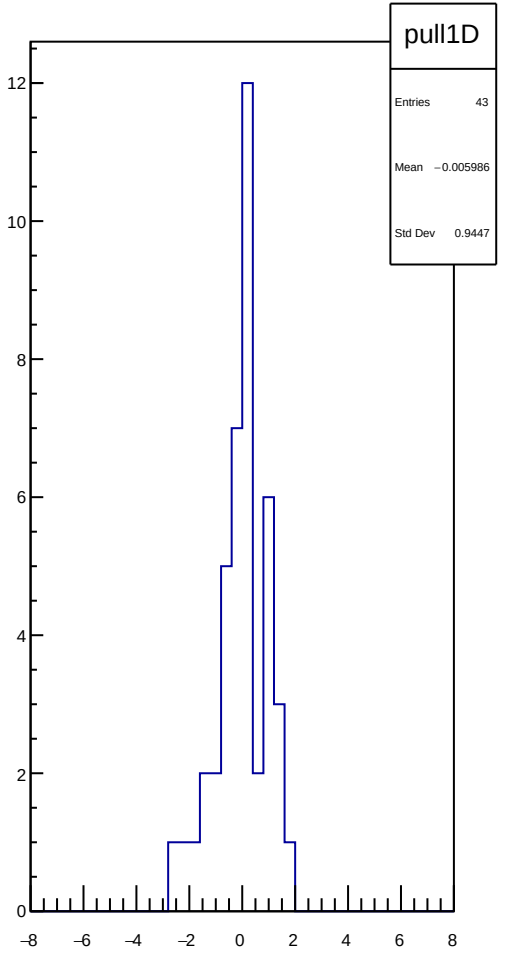

asym_us_avg_at1lr_avg_avg_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 5.822e+04 / 42
p0 181.1 ± 0.2065
300
250
200
150
100
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

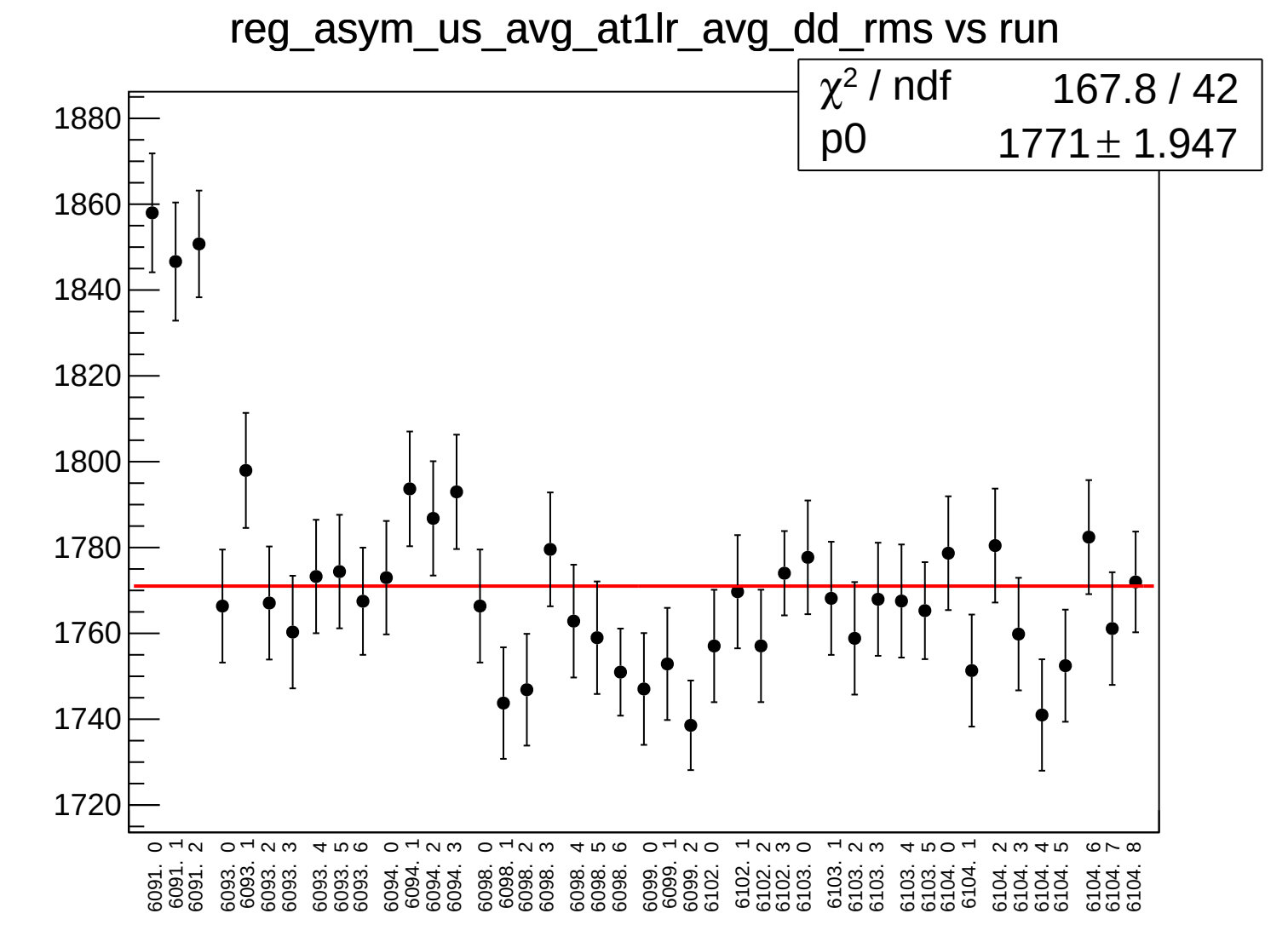

asym_us_avg_at1lr_avg_avg_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 43.69 / 42
p0 −1.433e−13 ± 1.128e−13
pull
Entries 43
Mean 31.62
Std Dev 23.62

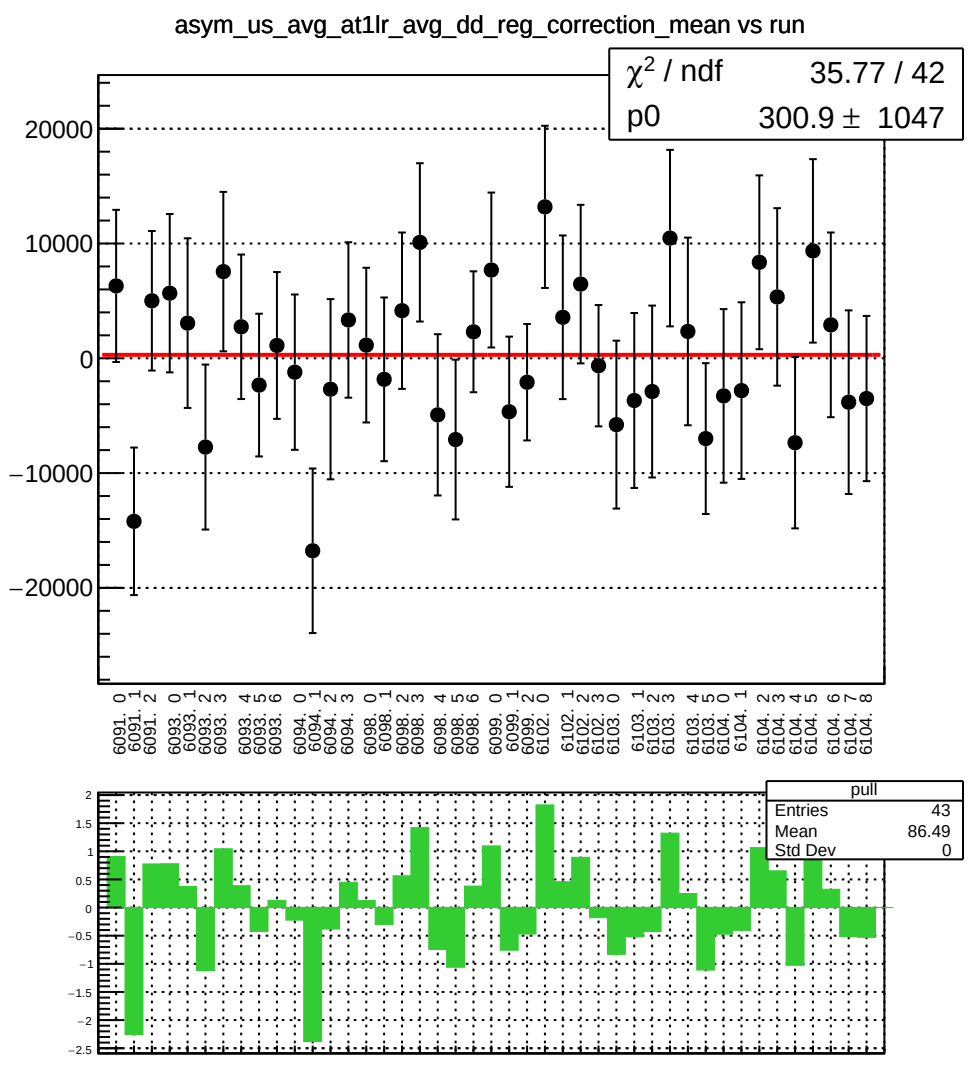

pull1D
Entries 43
Mean −0.03446
Std Dev 1.007

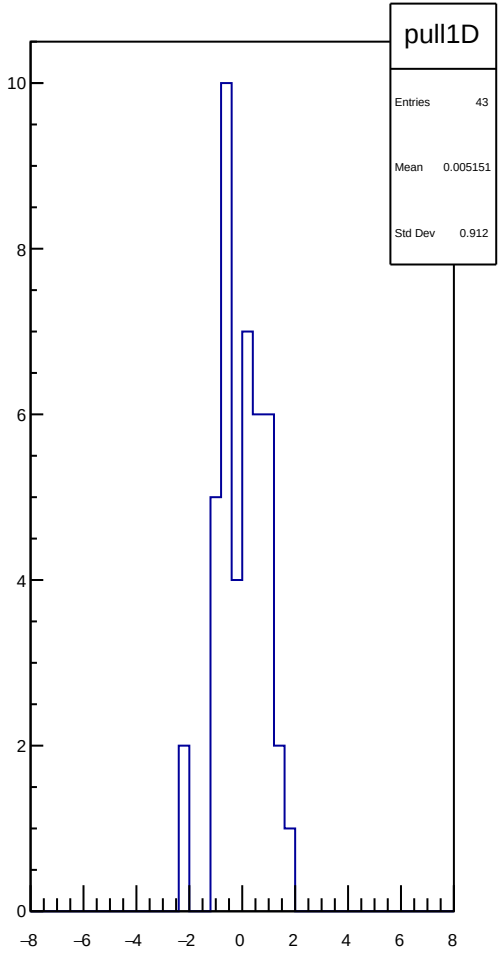

asym_us_avg_at1lr_avg_avg_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 2.879e+05 / 42
p0 5.862e−11 ± 7.98e−14
0.5
0.4
0.3
0.2
0.1
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

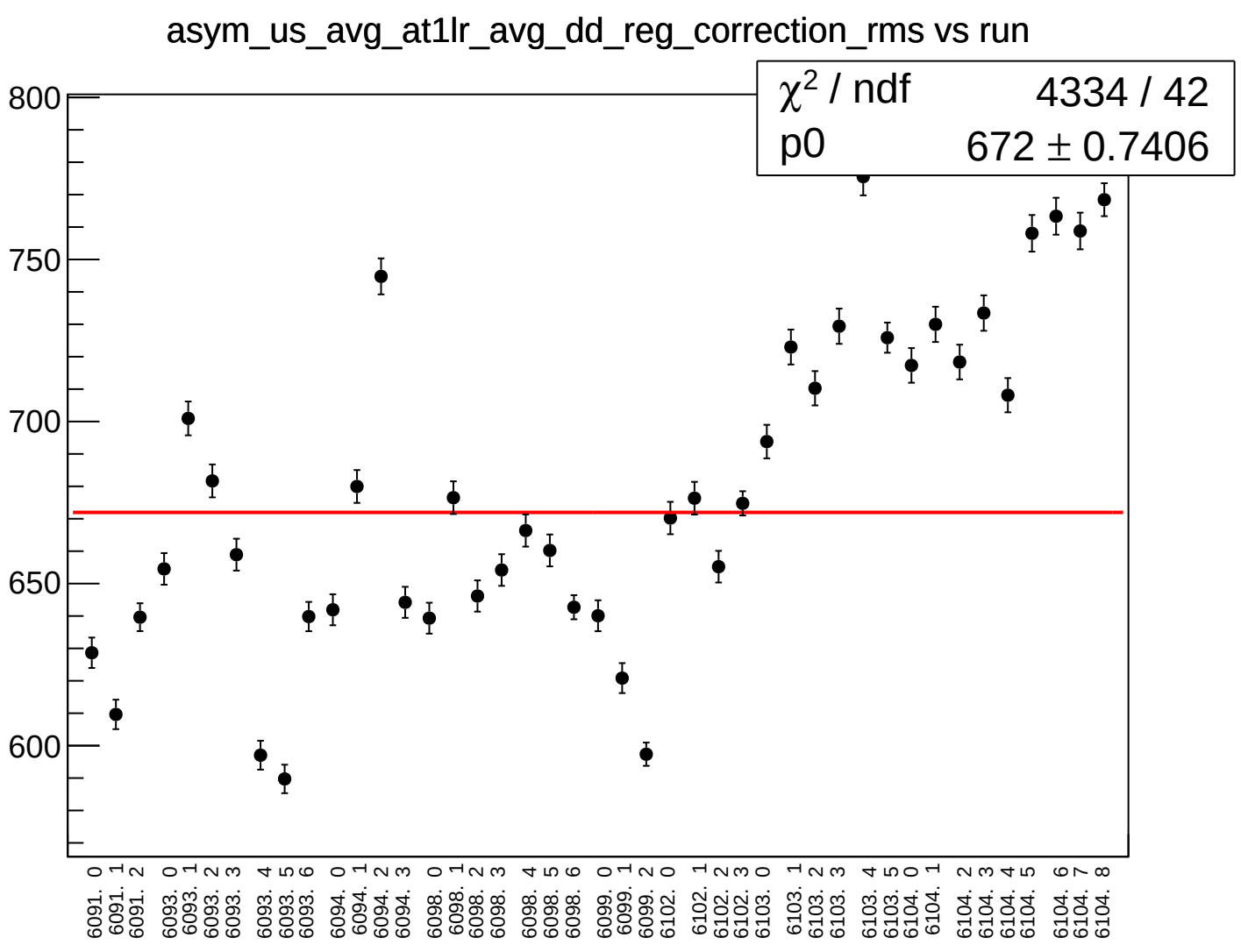

reg_asym_us_avg_at1lr_avg_dd_mean vs run
χ² / ndf 38.38 / 42
p0 1363 ± 2753
60000
40000
20000
0
−20000
−40000
−60000
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 70.52
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

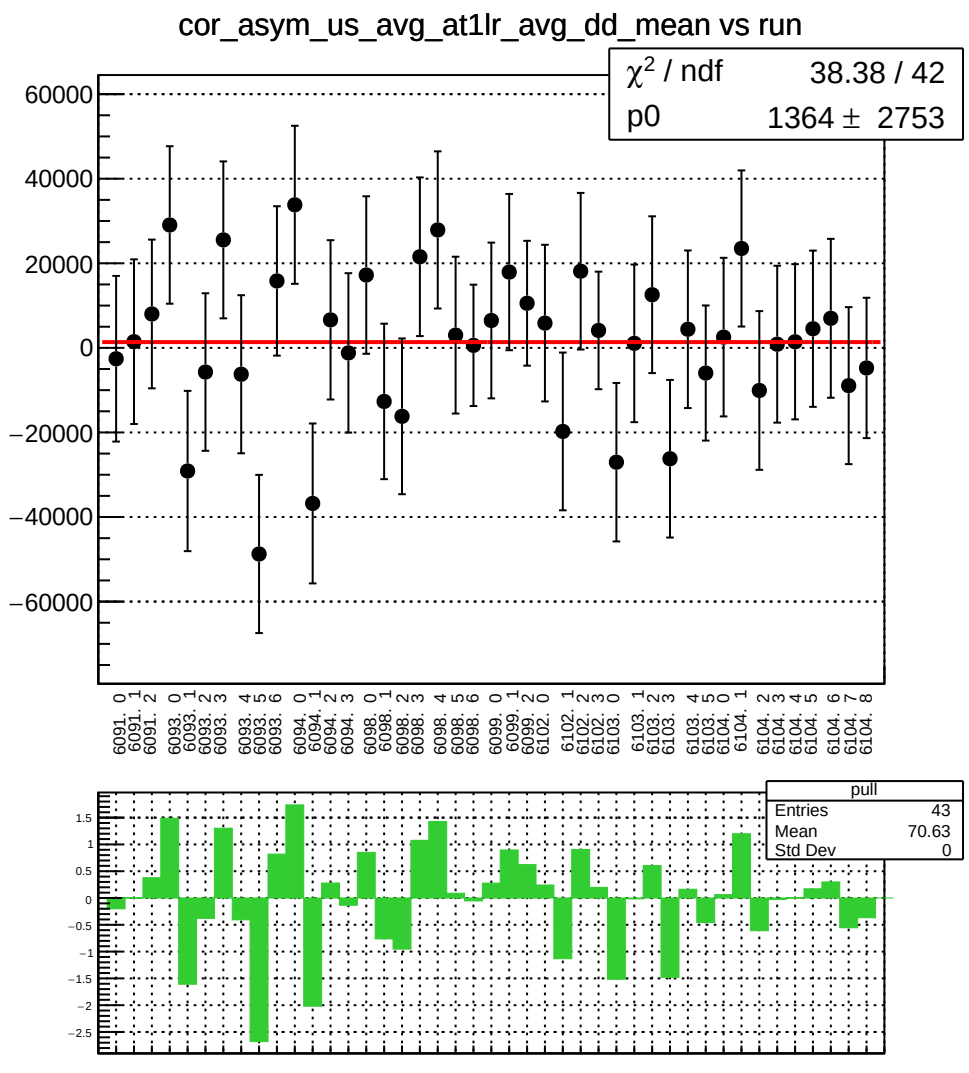

pull1D
Entries 43
Mean −0.005986
Std Dev 0.9447
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

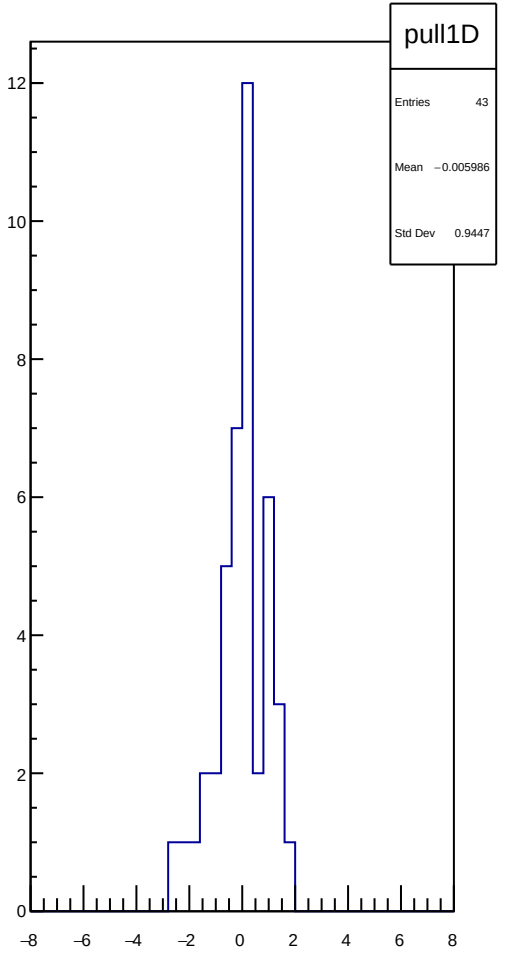

reg_asym_us_avg_at1lr_avg_dd_rms vs run
χ² / ndf 167.8 / 42
p0 1771 ± 1.947
1880
1860
1840
1820
1800
1780
1760
1740
1720
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

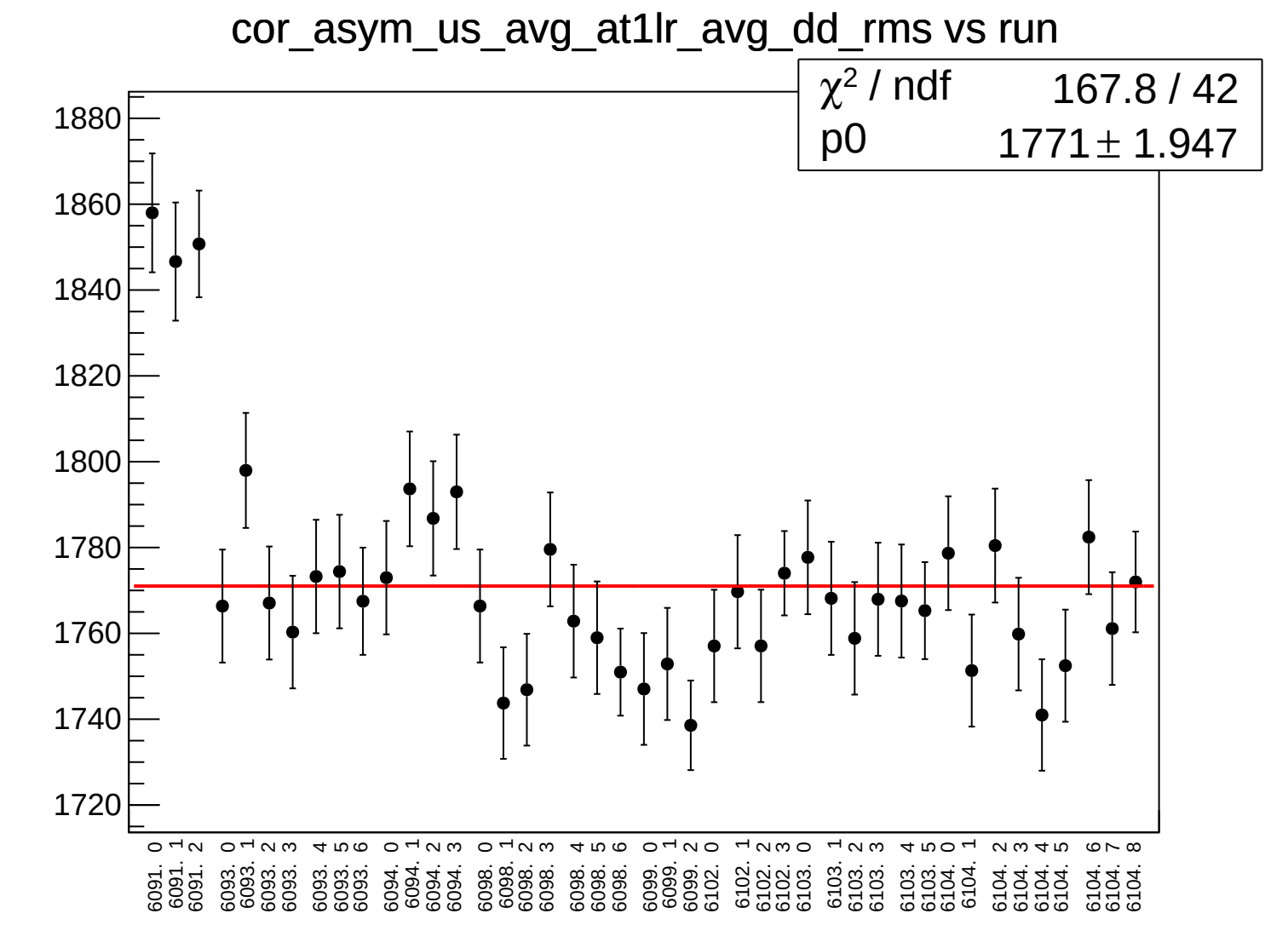

asym_us_avg_at1lr_avg_dd_reg_correction_mean vs run
χ² / ndf 35.77 / 42
p0 300.9 ± 1047
20000
10000
0
−10000
−20000
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 86.49
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

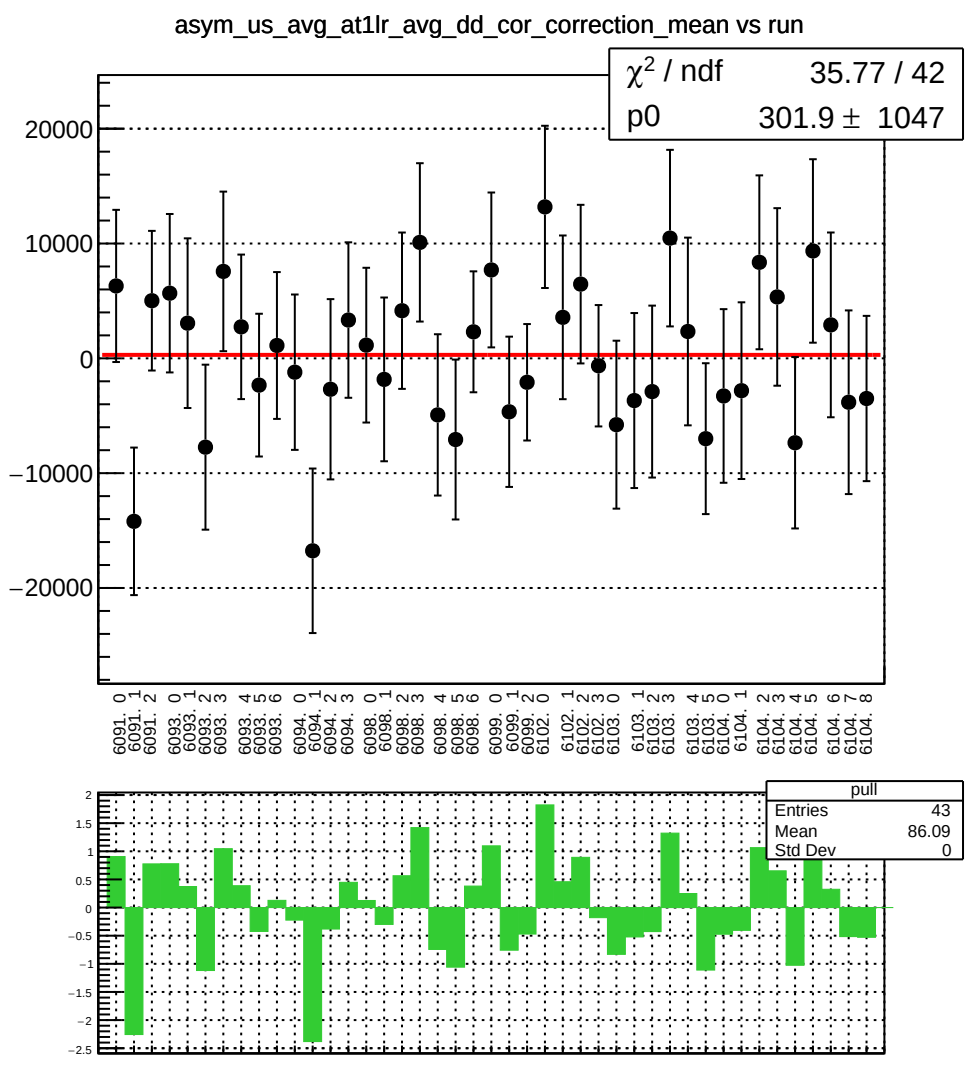

pull1D
Entries 43
Mean 0.005151
Std Dev 0.912
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

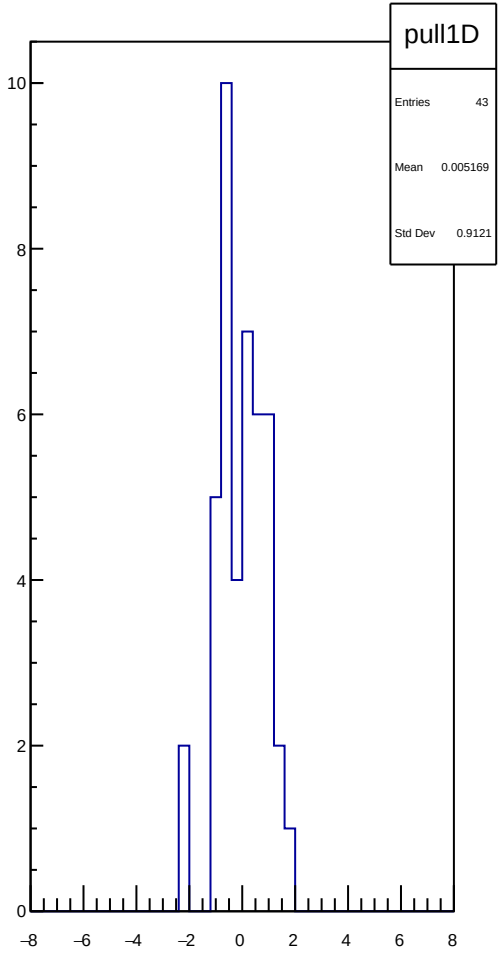

asym_us_avg_at1lr_avg_dd_reg_correction_rms vs run
χ² / ndf 4334 / 42
p0 672 ± 0.7406
800
750
700
650
600
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

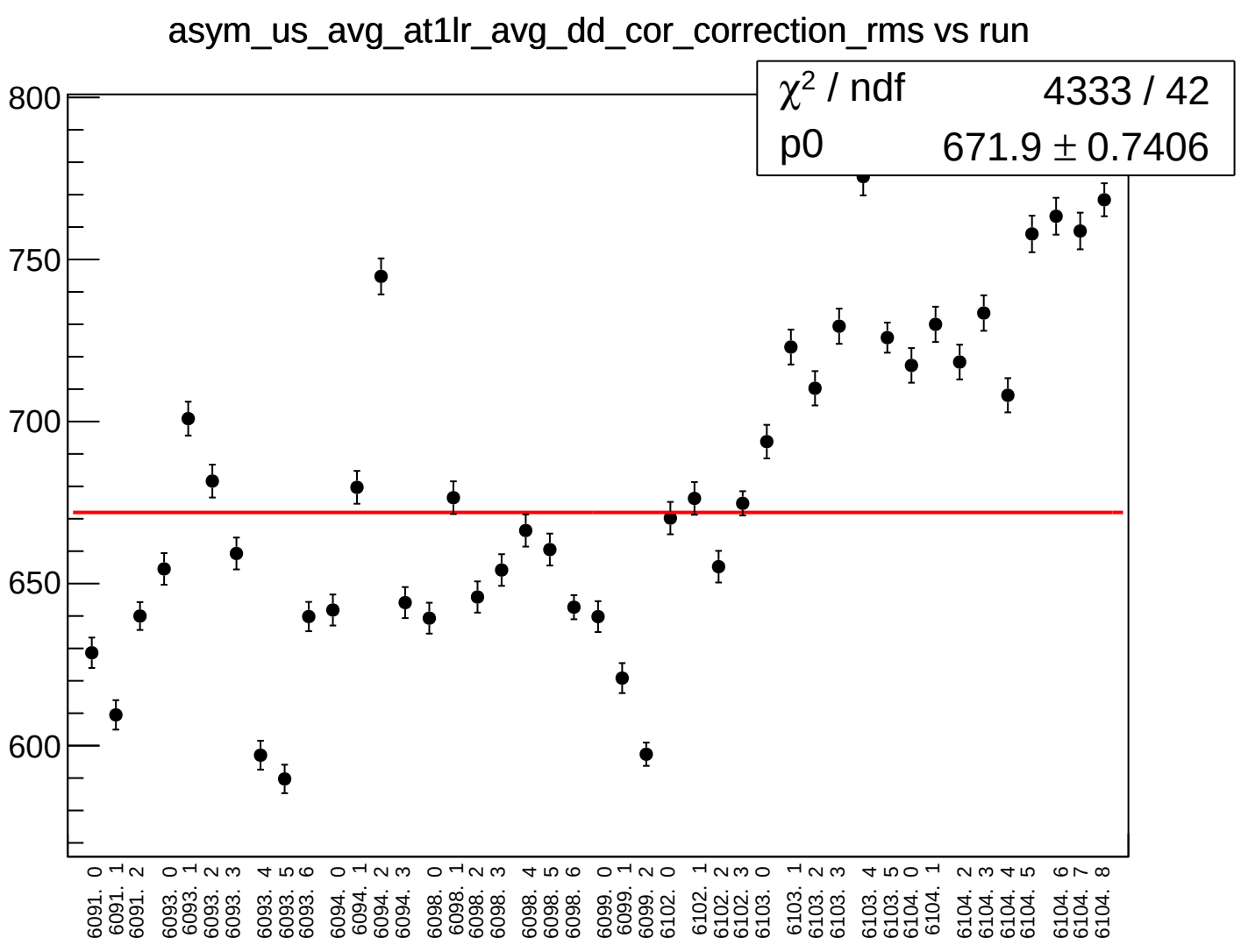

cor_asym_us_avg_at1lr_avg_dd_mean vs run
χ² / ndf 38.38 / 42
p0 1364 ± 2753
60000
40000
20000
0
−20000
−40000
−60000
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 70.63
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

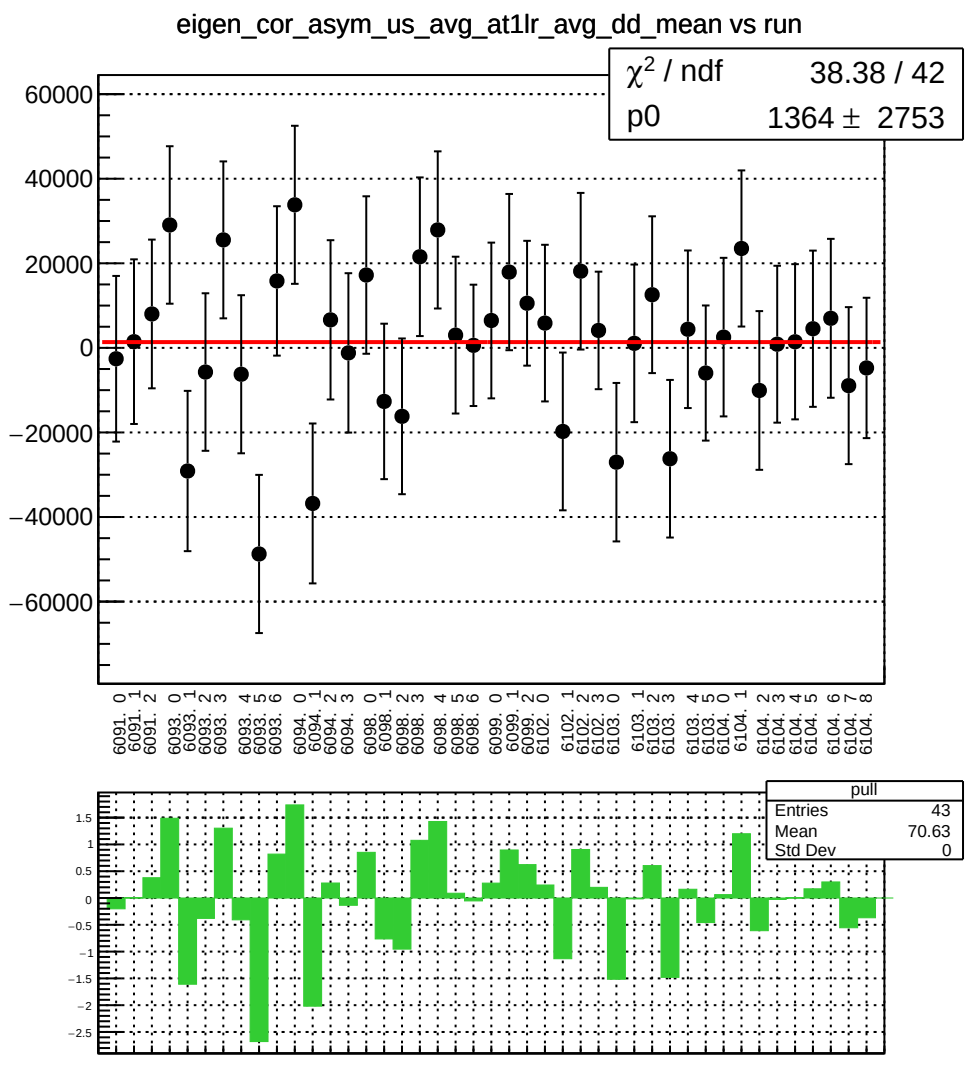

pull1D
Entries 43
Mean −0.005986
Std Dev 0.9447
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

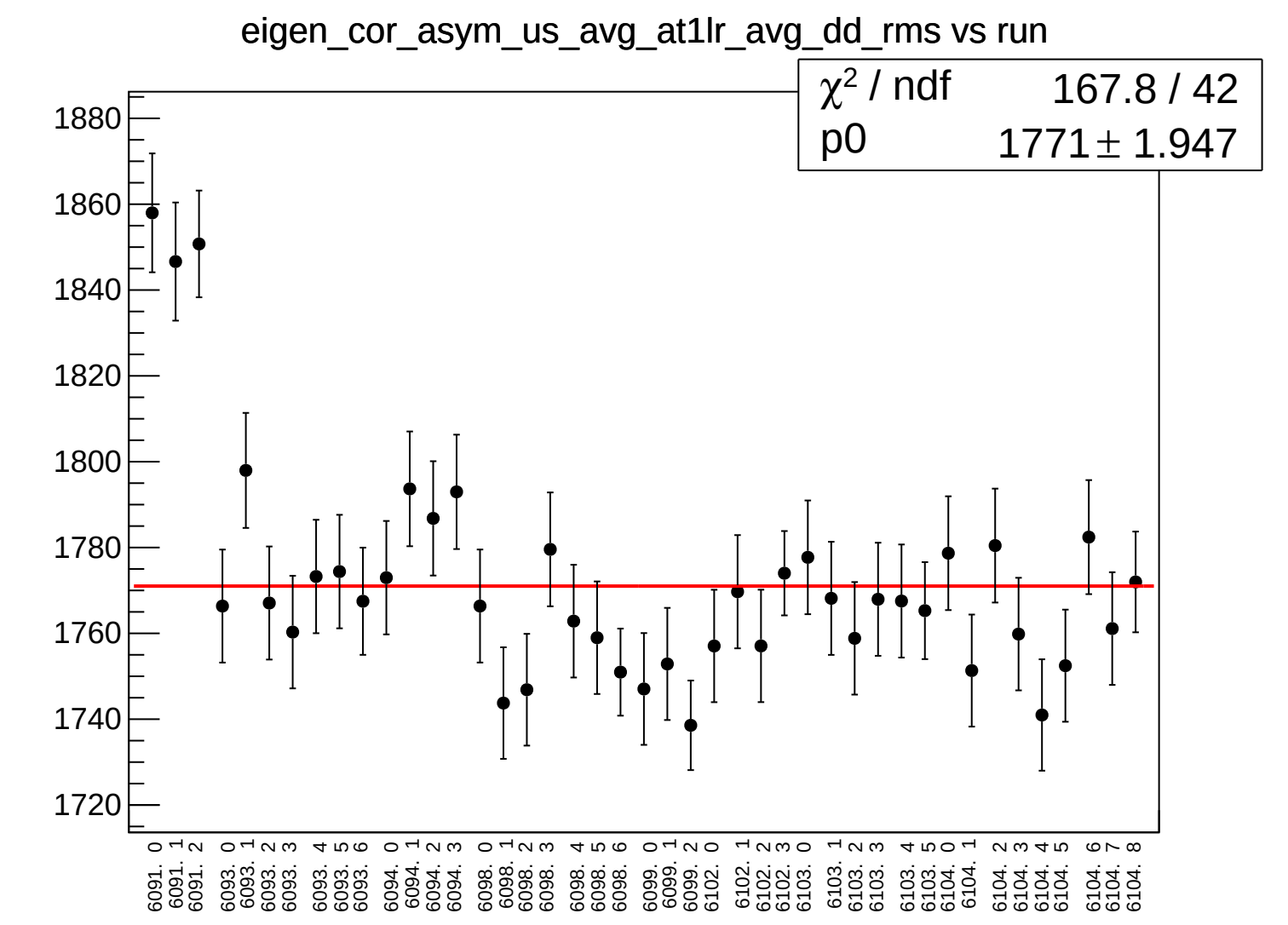

cor_asym_us_avg_at1lr_avg_dd_rms vs run
χ² / ndf 167.8 / 42
p0 1771 ± 1.947
1880
1860
1840
1820
1800
1780
1760
1740
1720
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8


asym_us_avg_at1lr_avg_dd_cor_correction_mean vs run
χ² / ndf 35.77 / 42
p0 301.9 ± 1047
20000
10000
0
−10000
−20000
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 86.09
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5


pull1D
Entries 43
Mean 0.005169
Std Dev 0.9121
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 4333 / 42
p0 671.9 ± 0.7406
800
750
700
650
600
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8


eigen_cor_asym_us_avg_at1lr_avg_dd_mean vs run
χ² / ndf 38.38 / 42
p0 1364 ± 2753
60000
40000
20000
0
−20000
−40000
−60000
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 70.63
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5
pull1D
Entries 43
Mean −0.005986
Std Dev 0.9447
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


eigen_cor_asym_us_avg_at1lr_avg_dd_rms vs run
χ² / ndf 167.8 / 42
p0 1771 ± 1.947
1880
1860
1840
1820
1800
1780
1760
1740
1720
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
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6104. 4
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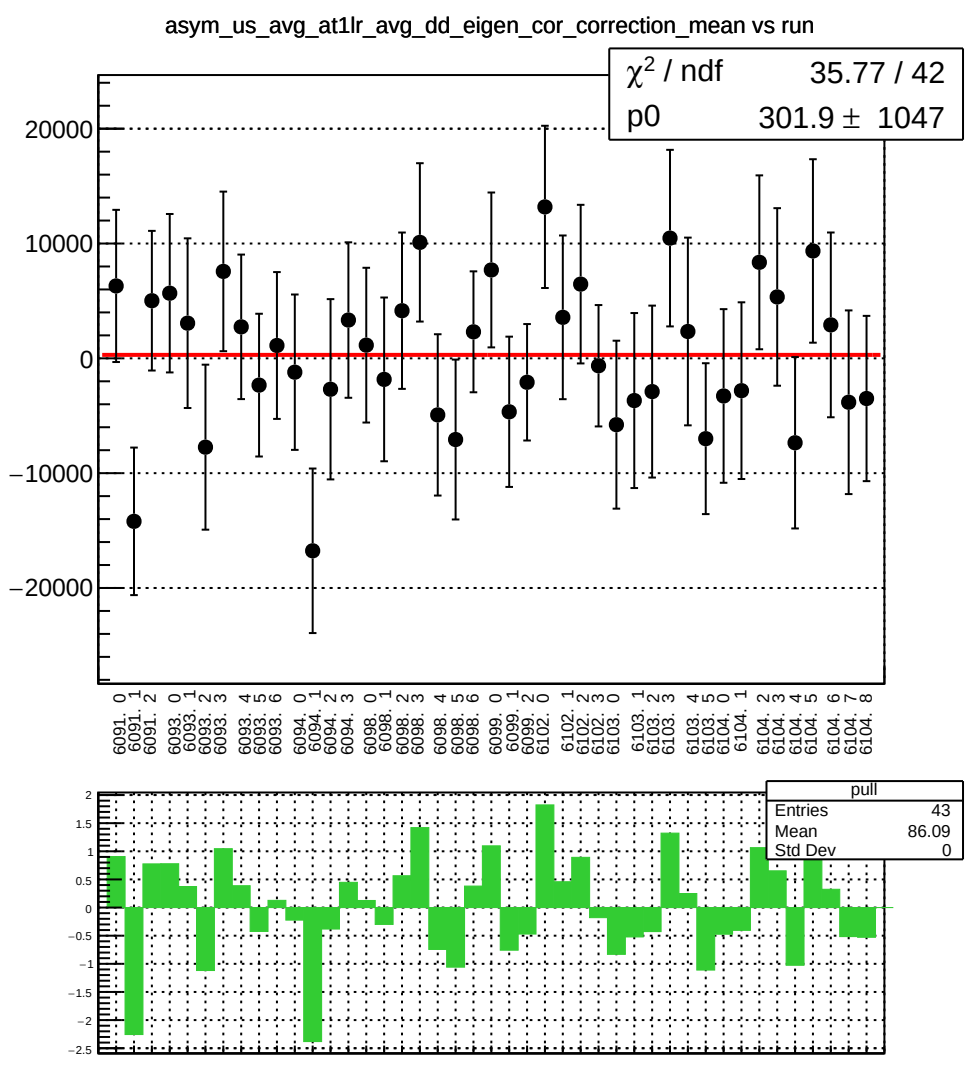
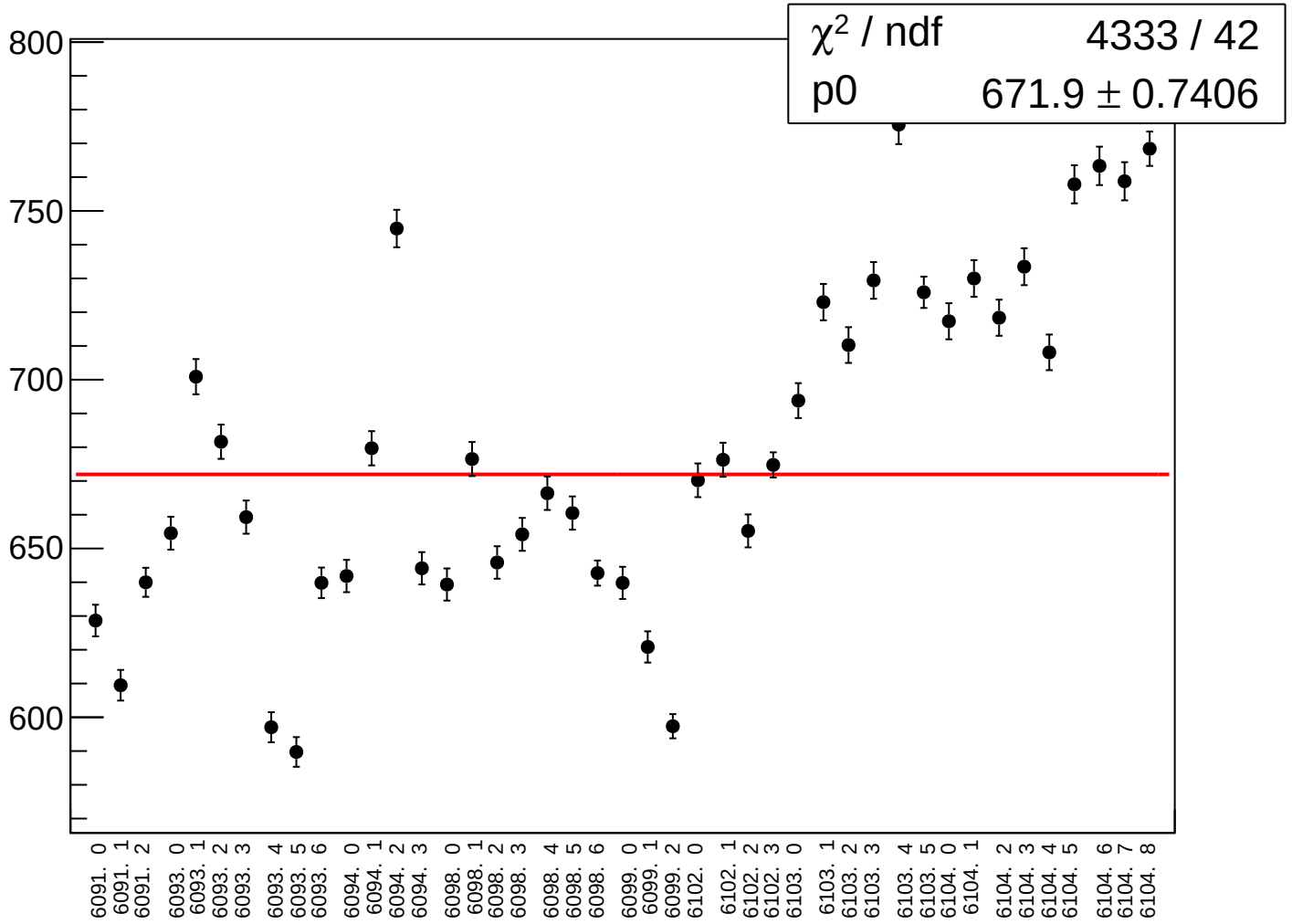
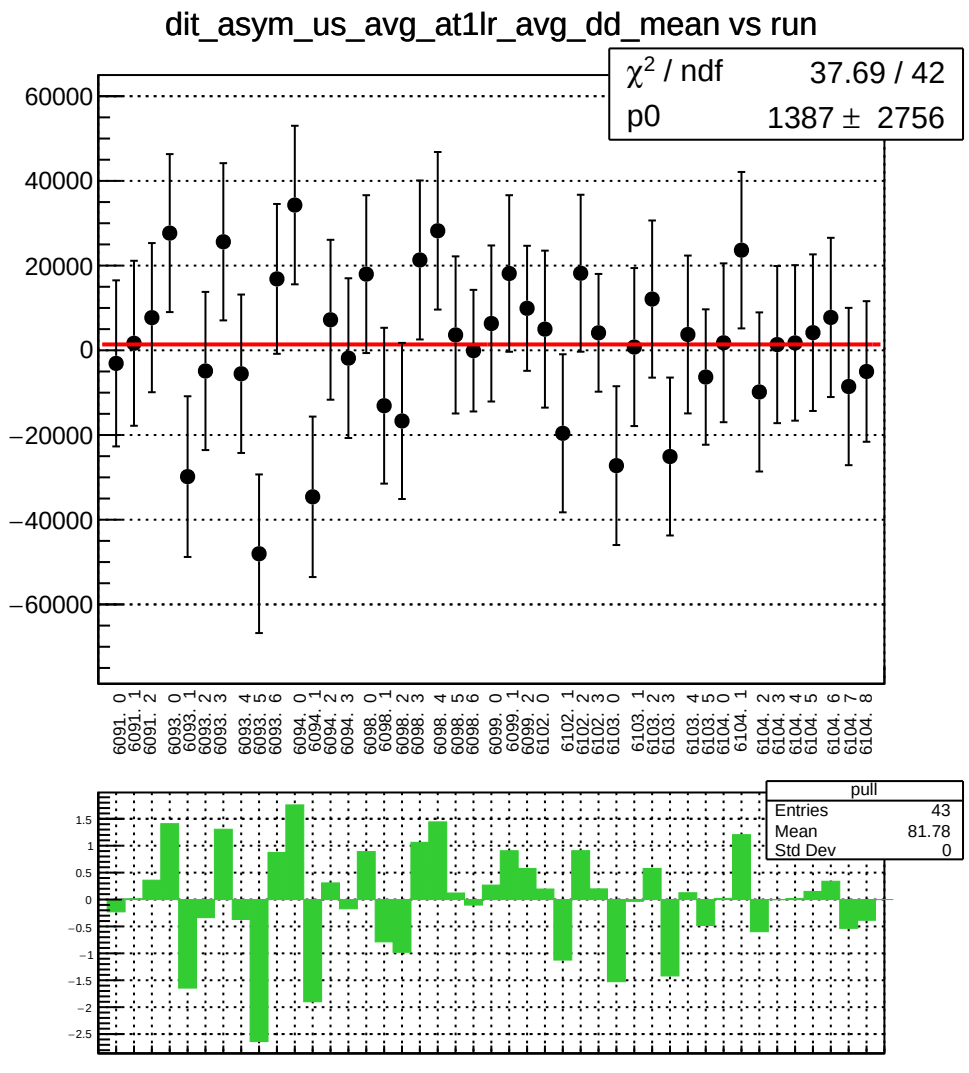
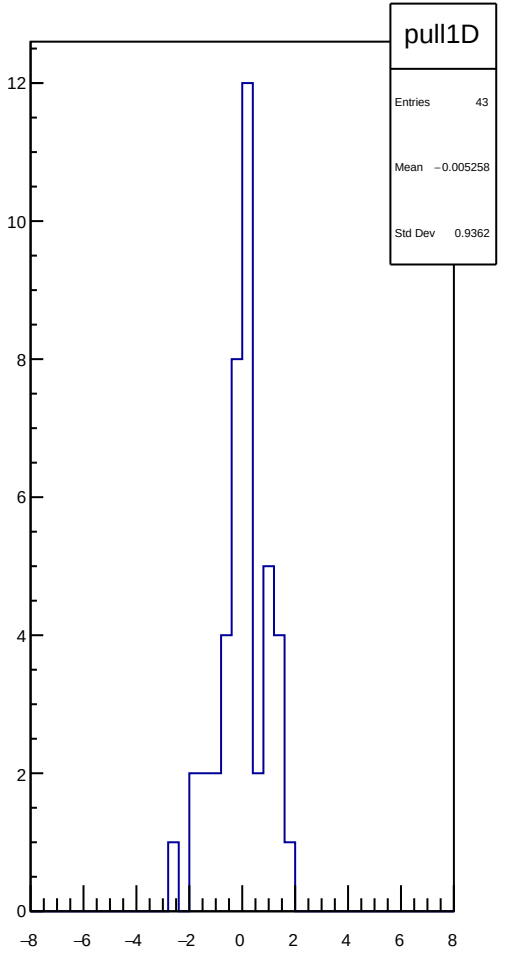
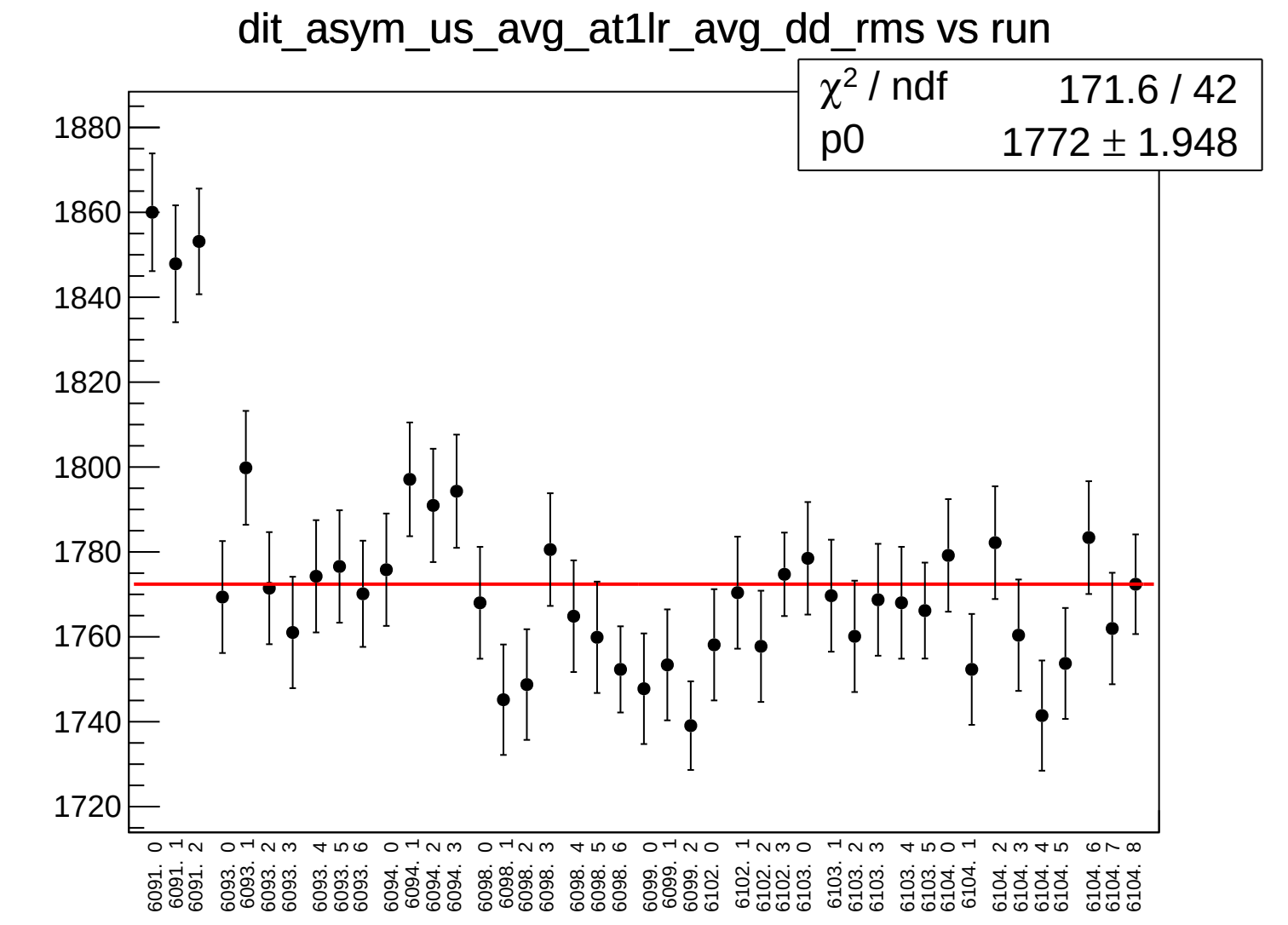
6104. 6
6104. 7
6104. 8


asym_us_avg_at1lr_avg_dd_eigen_cor_correction_mean vs run
χ² / ndf 35.77 / 42
p0 301.9 ± 1047
20000
10000
0
−10000
−20000
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 86.09
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5
pull1D
Entries 43
Mean 0.005169
Std Dev 0.9121
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

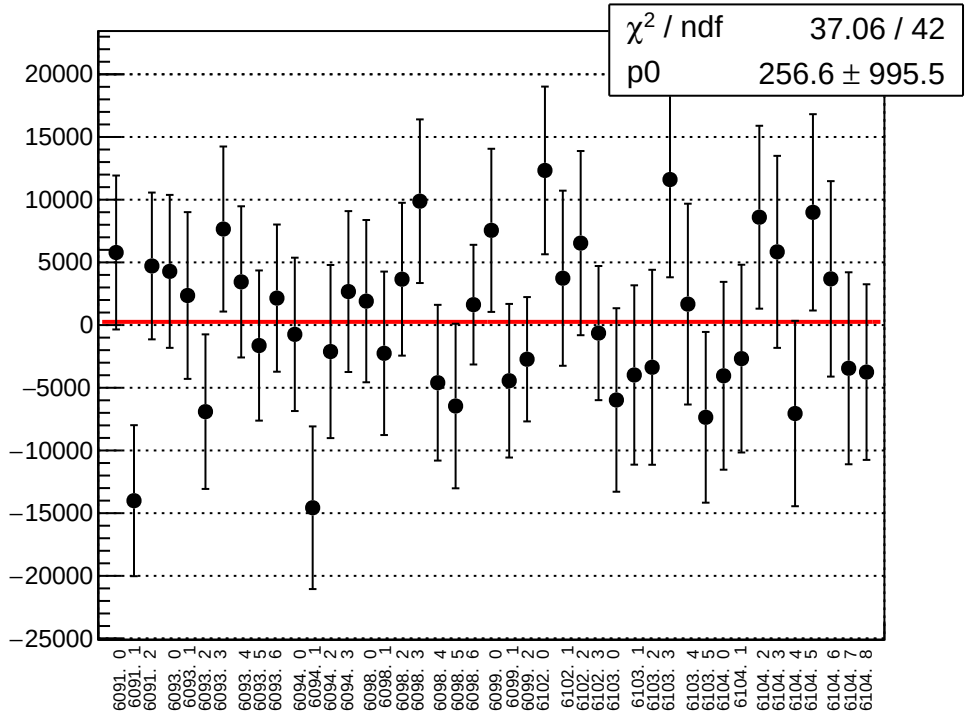

asym_us_avg_at1lr_avg_dd_eigen_cor_correction_rms vs run
χ² / ndf 4333 / 42
p0 671.9 ± 0.7406
800
750
700
650
600
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

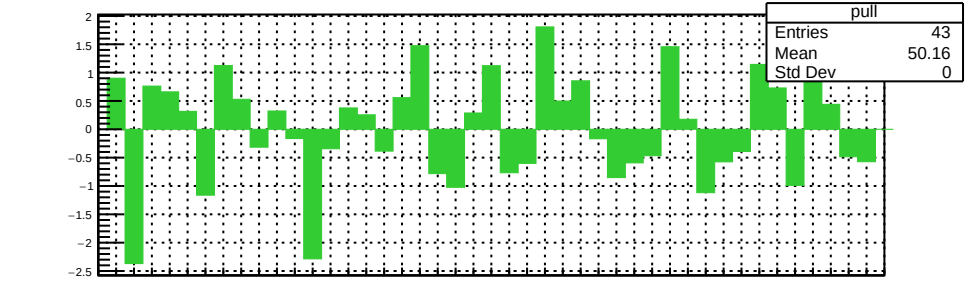

dit_asym_us_avg_at1lr_avg_dd_mean vs run
χ² / ndf 37.69 / 42
p0 1387 ± 2756
60000
40000
20000
0
−20000
−40000
−60000
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 81.78
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

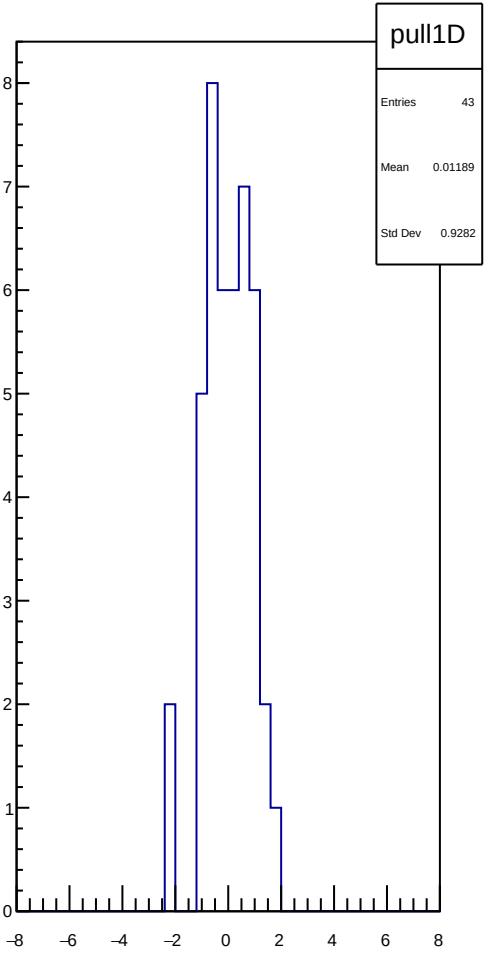

pull1D
Entries 43
Mean −0.005258
Std Dev 0.9362
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

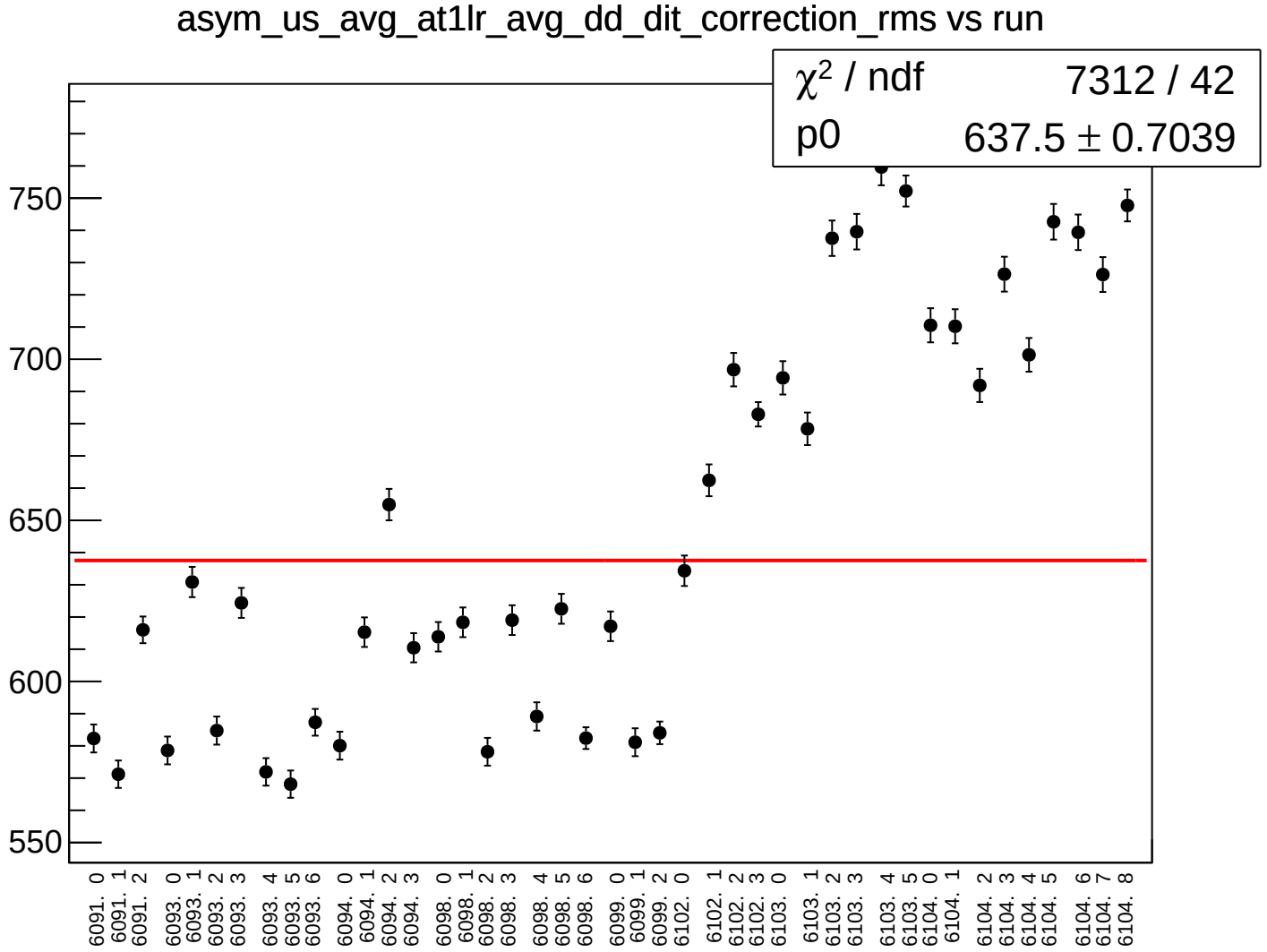

dit_asym_us_avg_at1lr_avg_dd_rms vs run
χ² / ndf 171.6 / 42
p0 1772 ± 1.948
1880
1860
1840
1820
1800
1780
1760
1740
1720
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

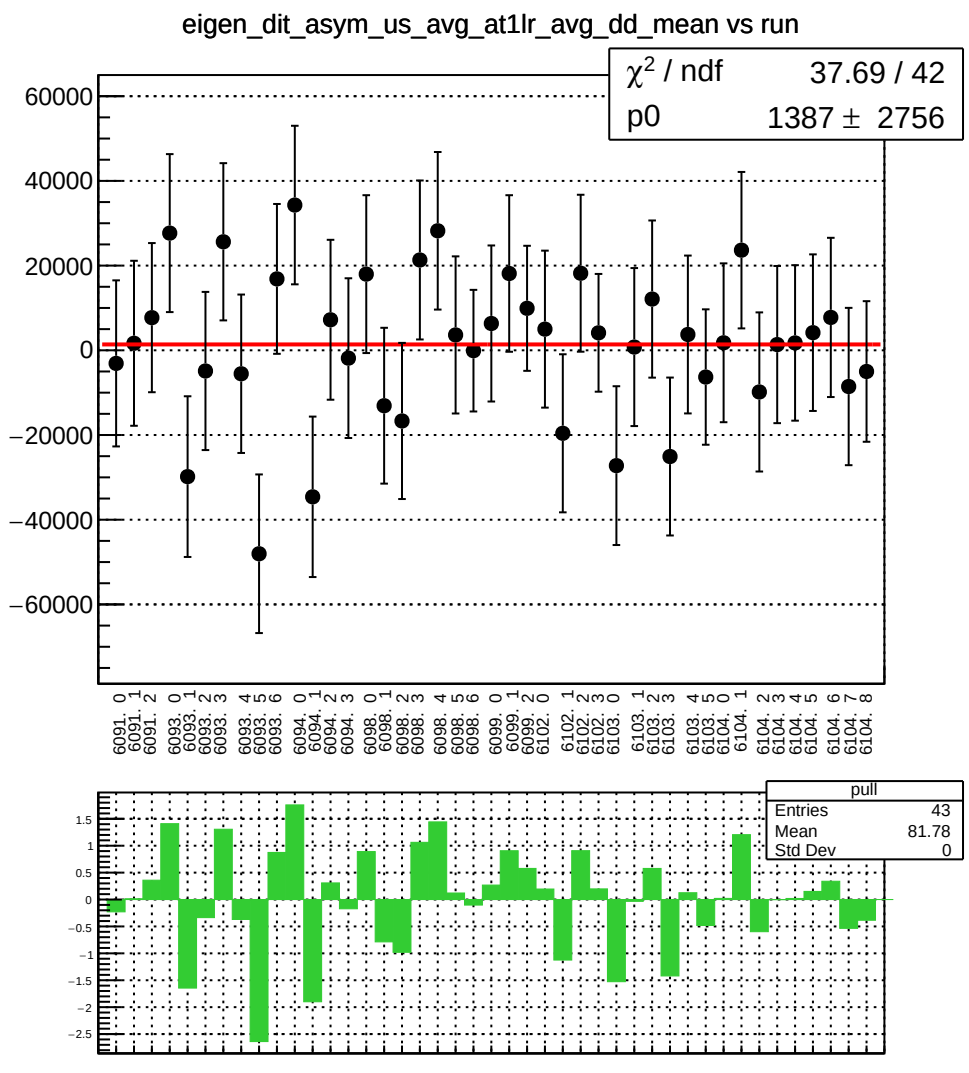
asym_us_avg_at1lr_avg_dd_dit_correction_mean vs run

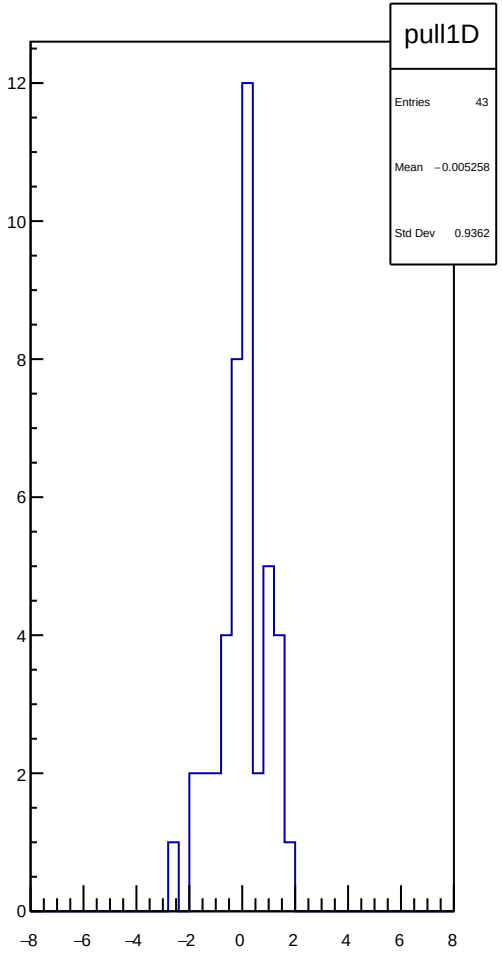


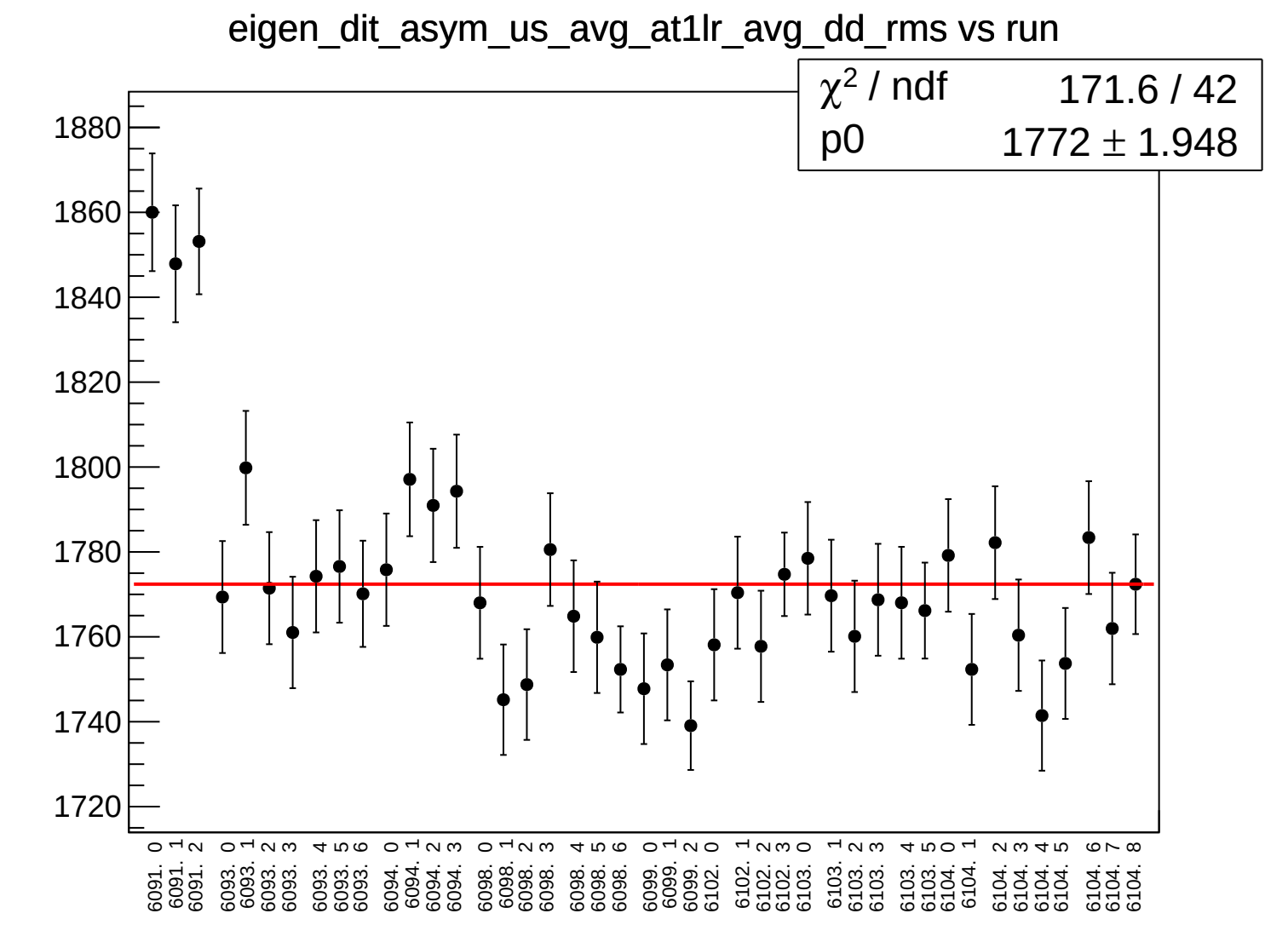


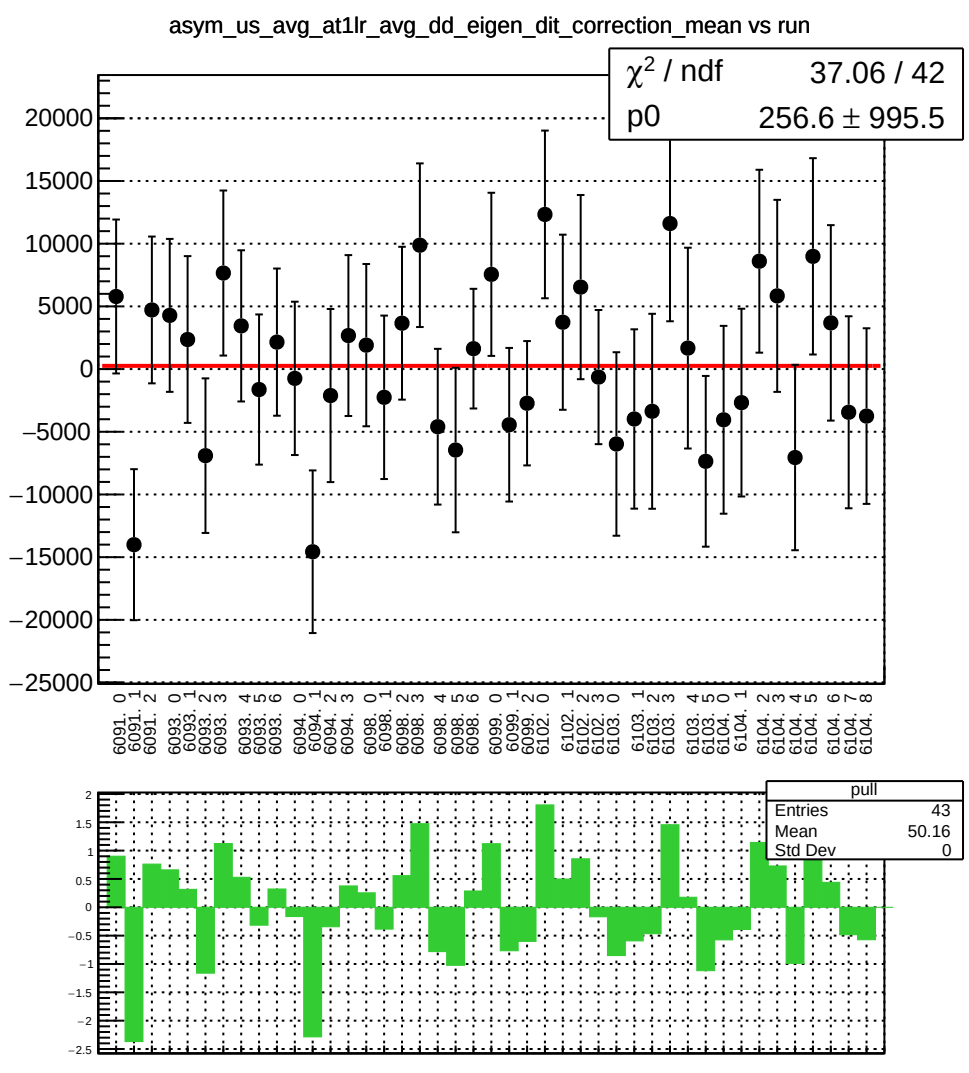


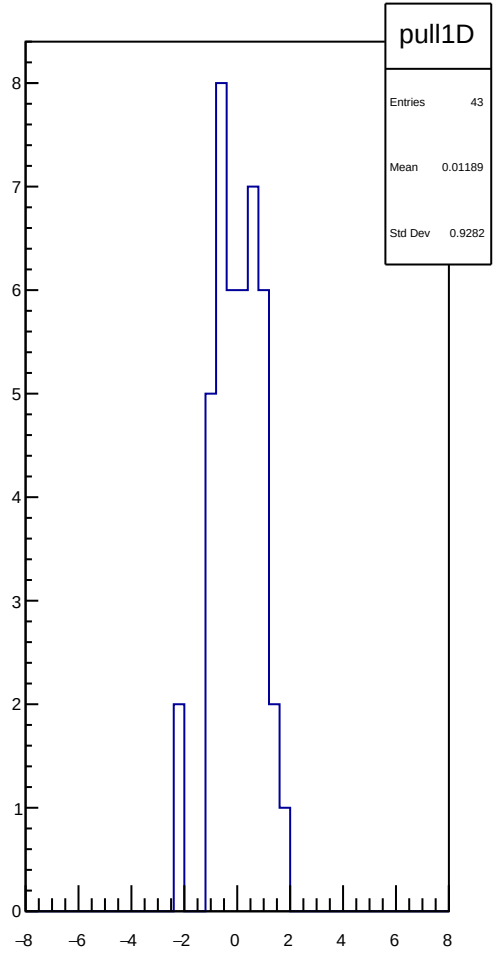

asym_us_avg_at1lr_avg_dd_dit_correction_rms vs run
χ² / ndf 7312 / 42
p0 637.5 ± 0.7039
750
700
650
600
550
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

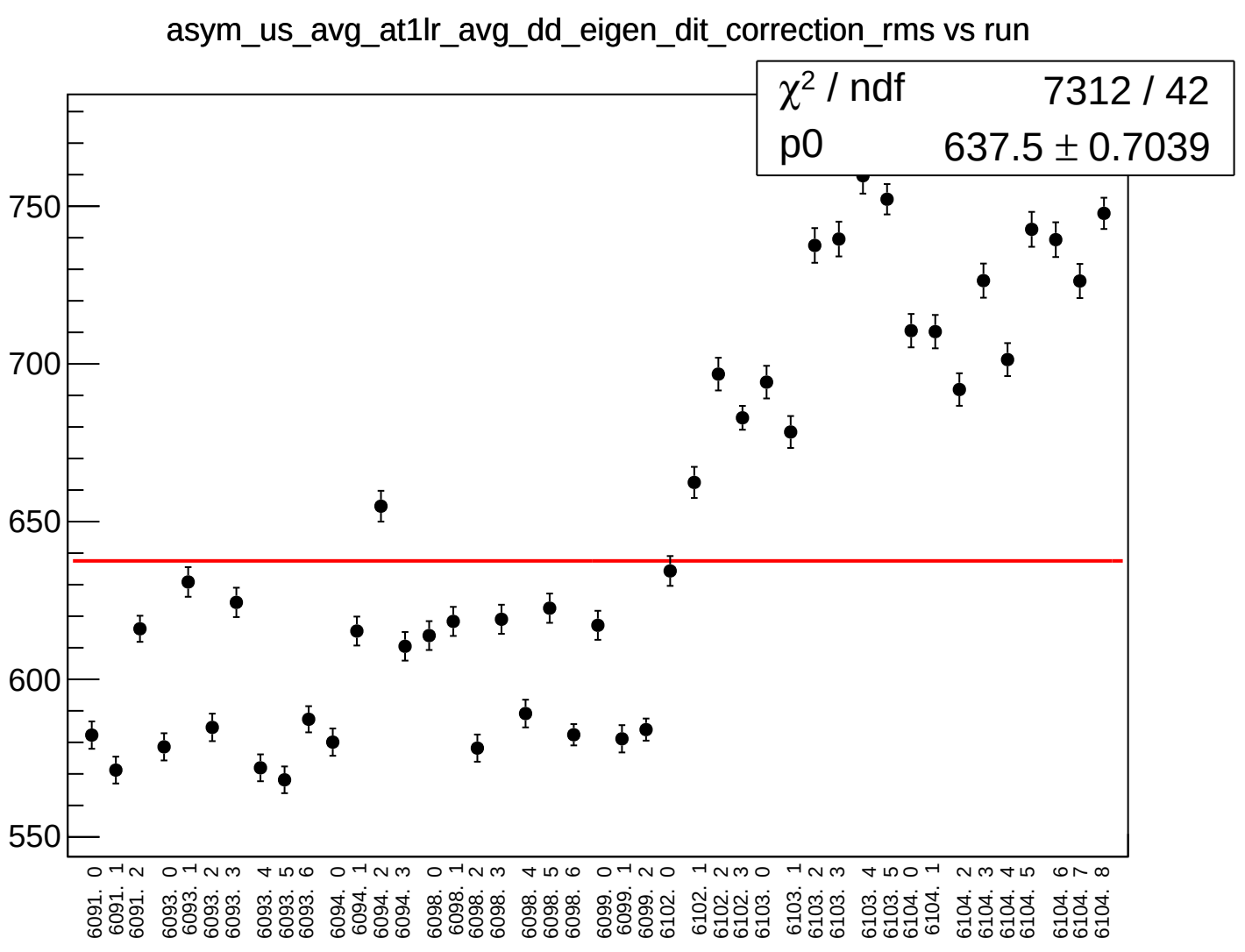

eigen_dit_asym_us_avg_at1lr_avg_dd_mean vs run
χ² / ndf 37.69 / 42
p0 1387 ± 2756
60000
40000
20000
0
−20000
−40000
−60000
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 81.78
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

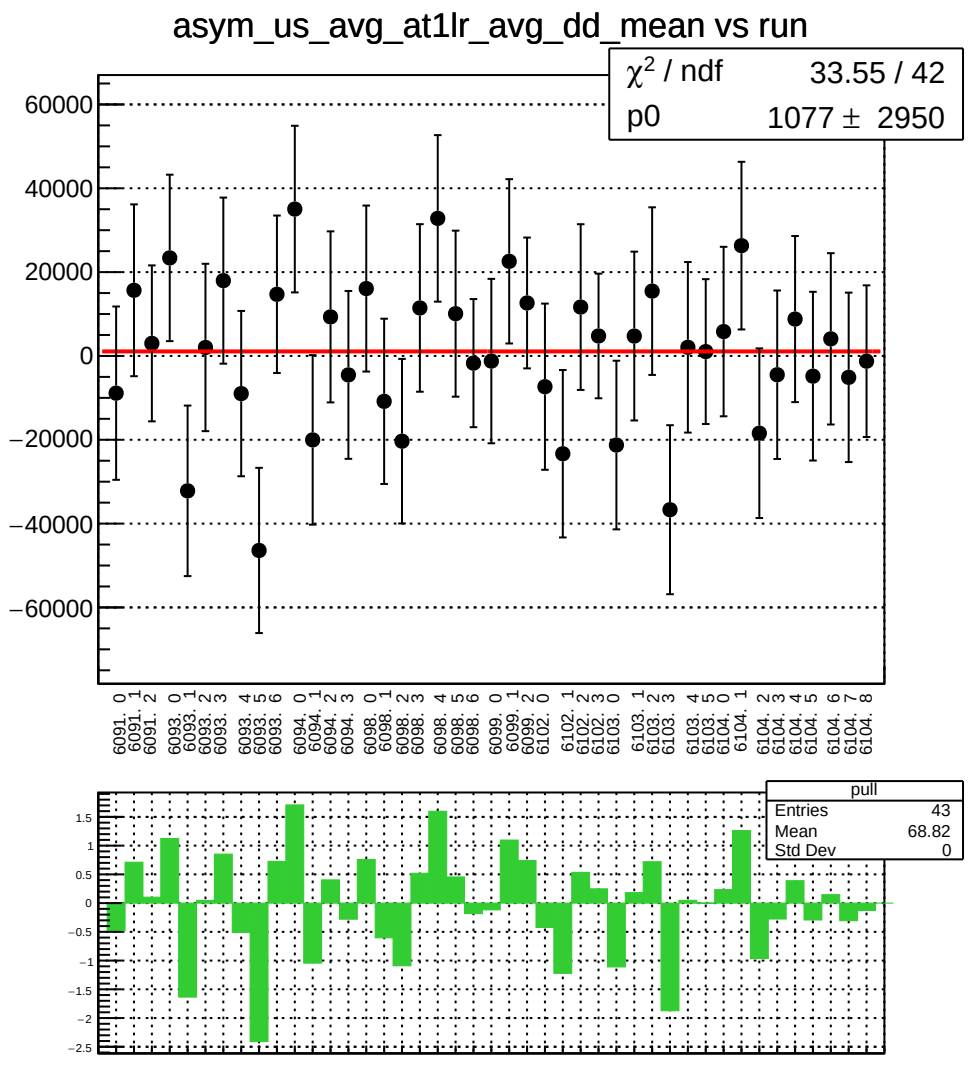

pull1D
Entries 43
Mean −0.005258
Std Dev 0.9362
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

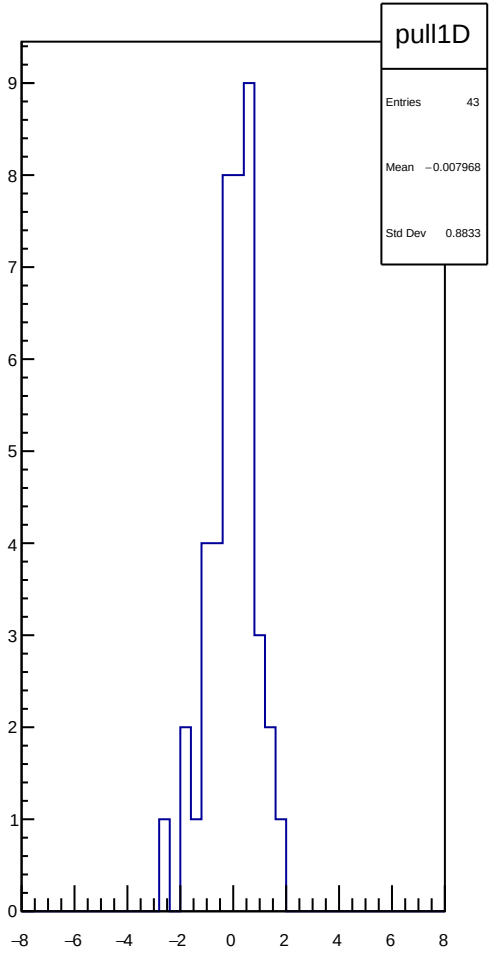

eigen_dit_asym_us_avg_at1lr_avg_dd_rms vs run
χ² / ndf 171.6 / 42
p0 1772 ± 1.948
1880
1860
1840
1820
1800
1780
1760
1740
1720
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

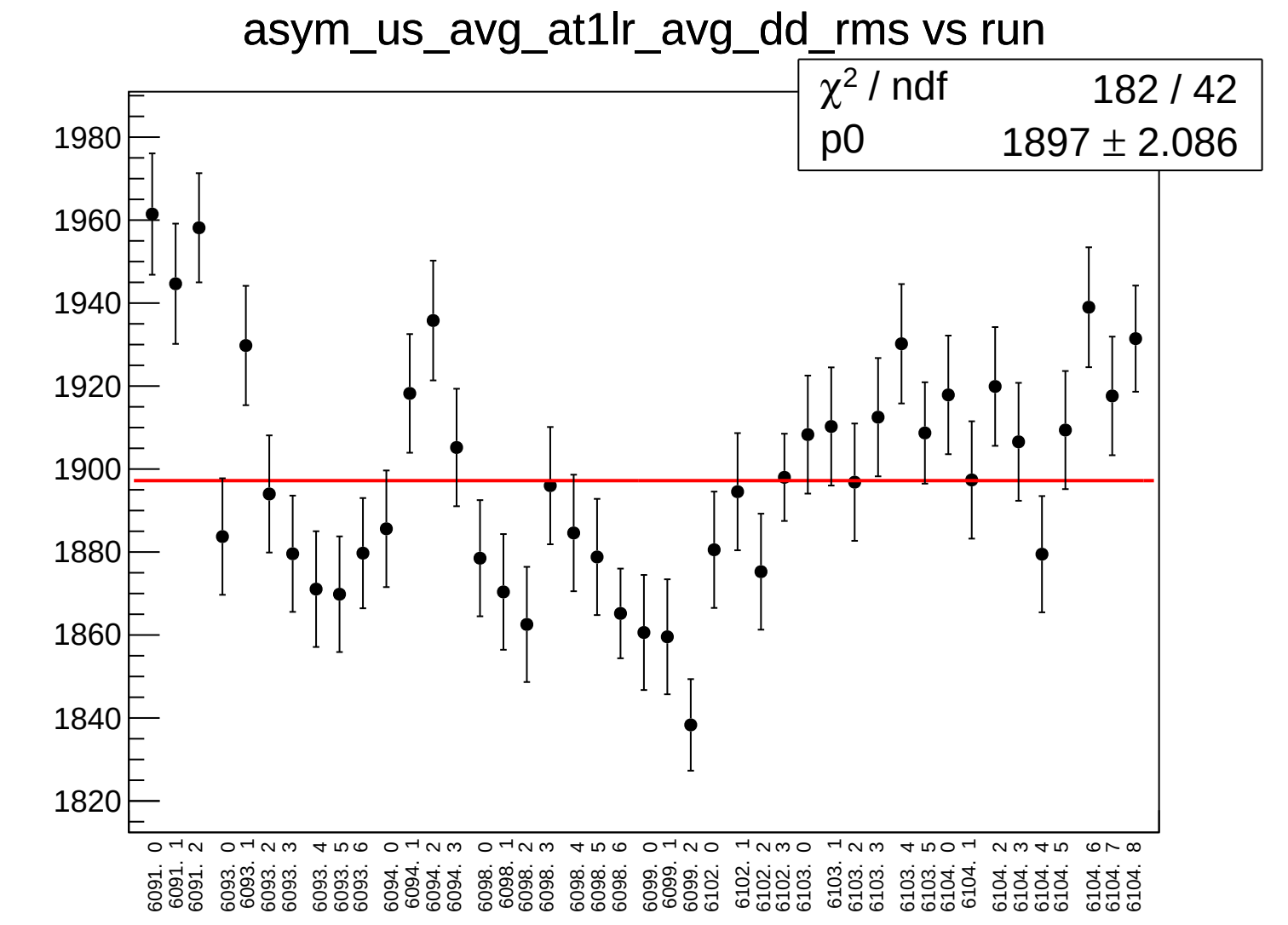

asym_us_avg_at1lr_avg_dd_eigen_dit_correction_mean vs run
χ² / ndf 37.06 / 42
p0 256.6 ± 995.5
pull
Entries 43
Mean 50.16
Std Dev 0

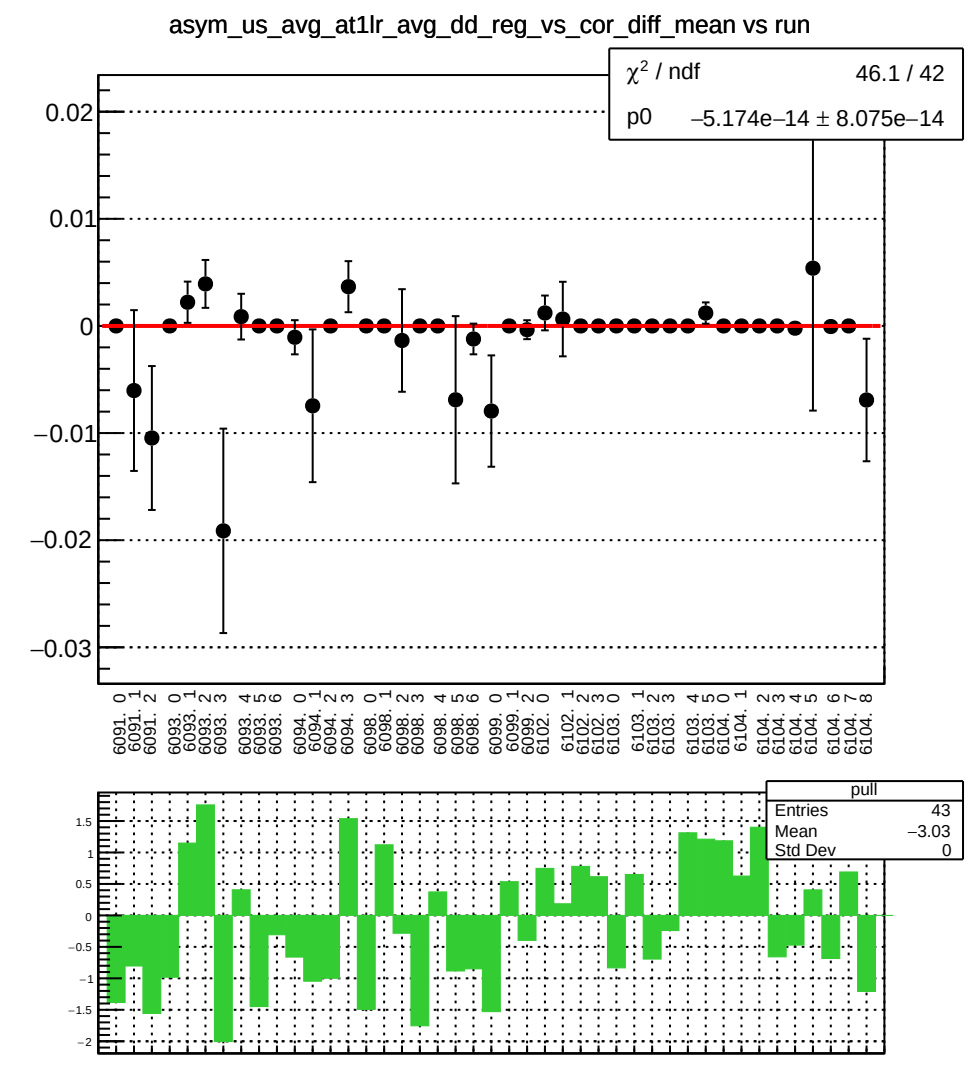

pull1D
Entries 43
Mean 0.01189
Std Dev 0.9282

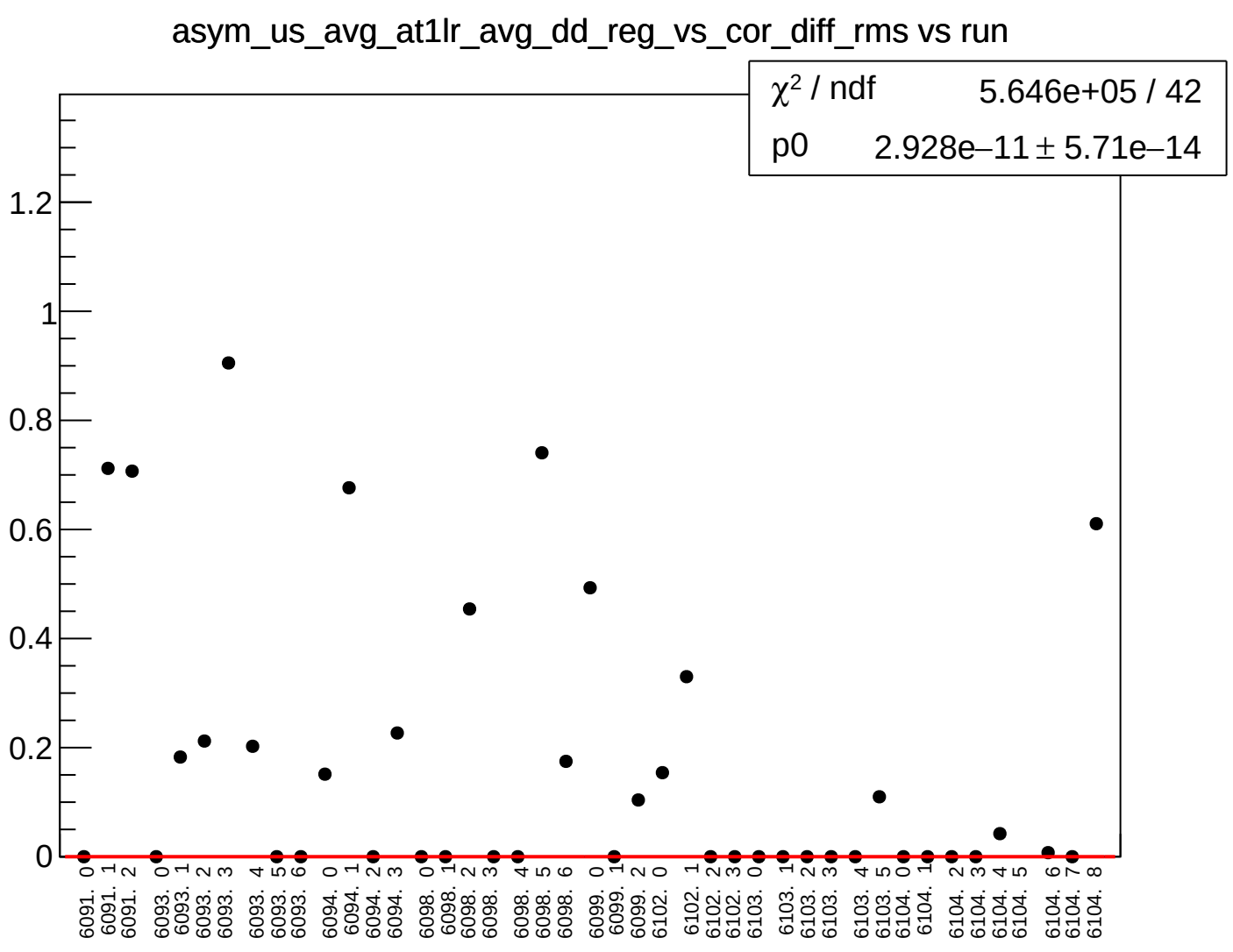

asym_us_avg_at1lr_avg_dd_eigen_dit_correction_rms vs run
χ² / ndf 7312 / 42
p0 637.5 ± 0.7039
750
700
650
600
550
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

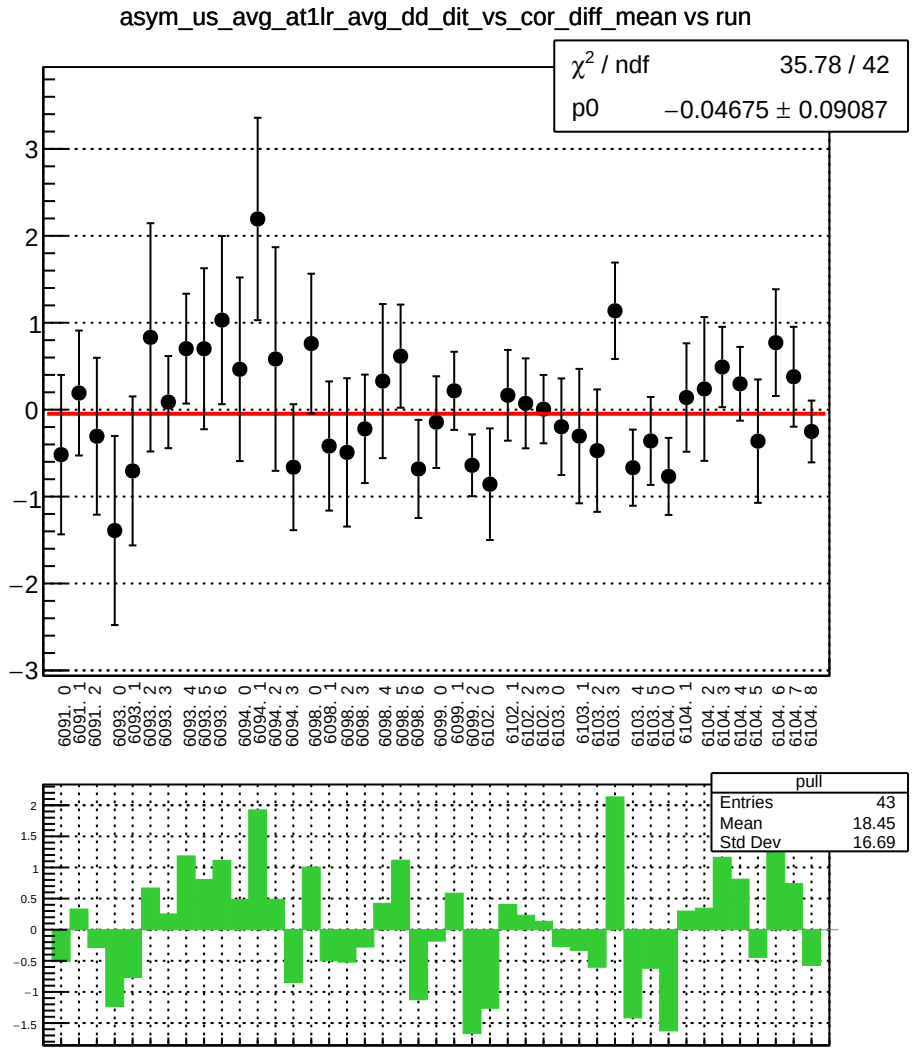

asym_us_avg_at1lr_avg_dd_mean vs run
χ² / ndf 33.55 / 42
p0 1077 ± 2950
60000
40000
20000
0
−20000
−40000
−60000
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 68.82
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

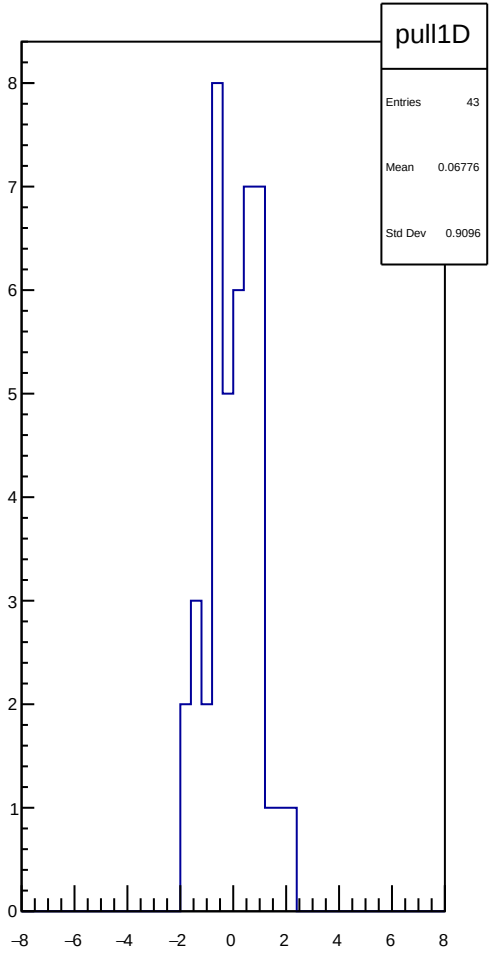

pull1D
Entries 43
Mean −0.007968
Std Dev 0.8833
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

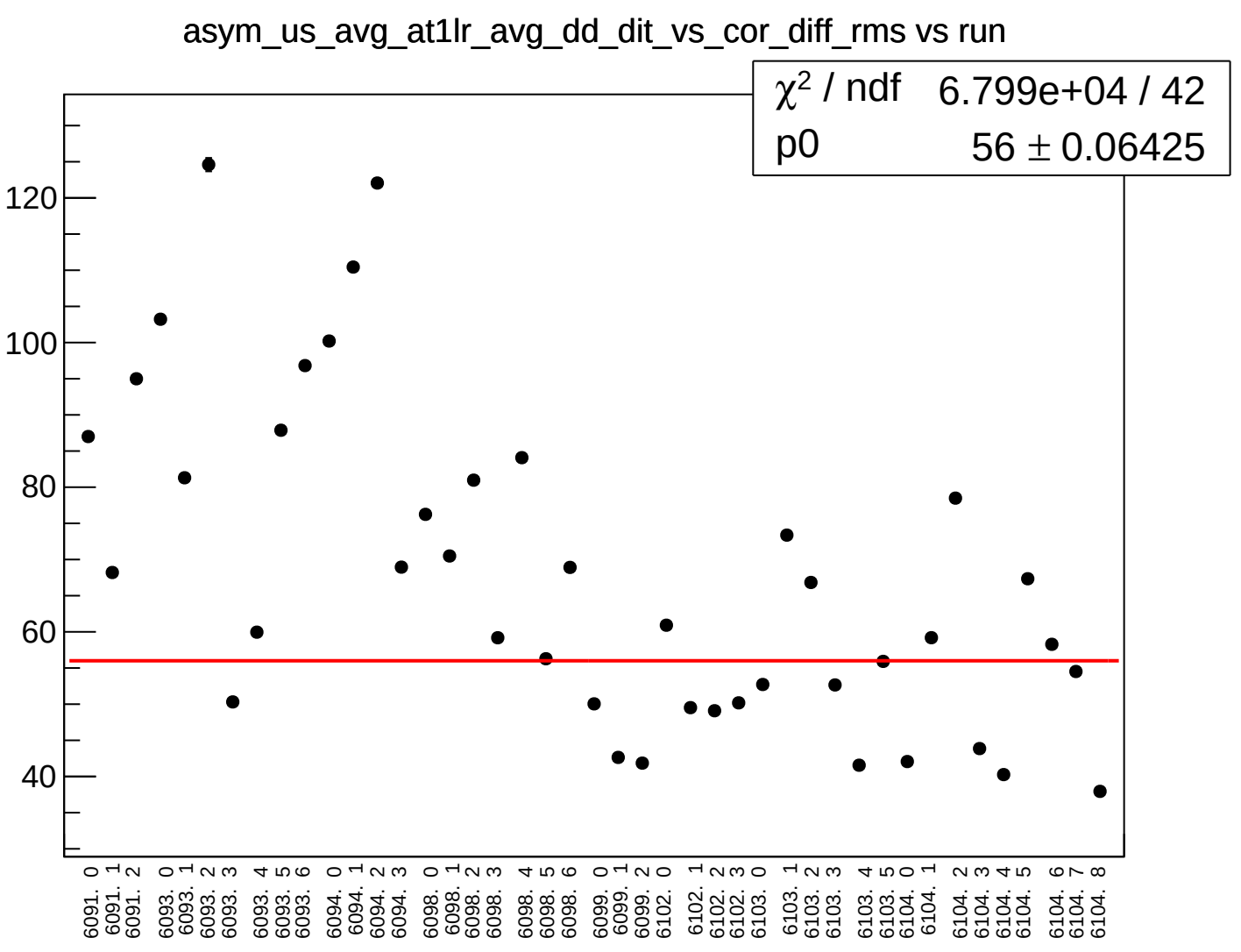

asym_us_avg_at1lr_avg_dd_rms vs run
χ² / ndf 182 / 42
p0 1897 ± 2.086
1980
1960
1940
1920
1900
1880
1860
1840
1820
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

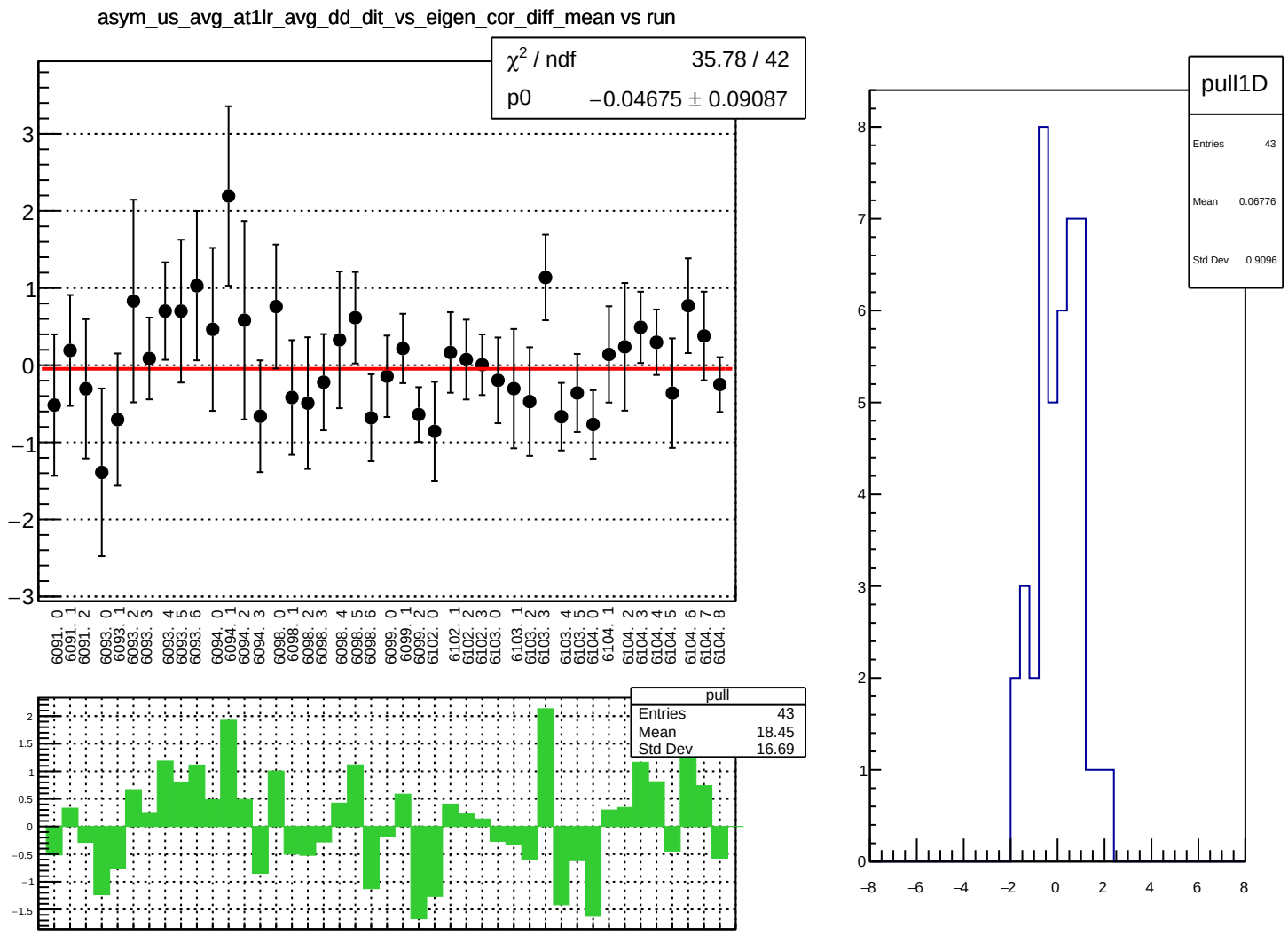

asym_us_avg_at1lr_avg_dd_reg_vs_cor_diff_mean vs run
χ² / ndf 46.1 / 42
p0 −5.174e−14 ± 8.075e−14
0.02
0.01
0
−0.01
−0.02
−0.03
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean −3.03
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 43
Mean −0.1508
Std Dev 1.024
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

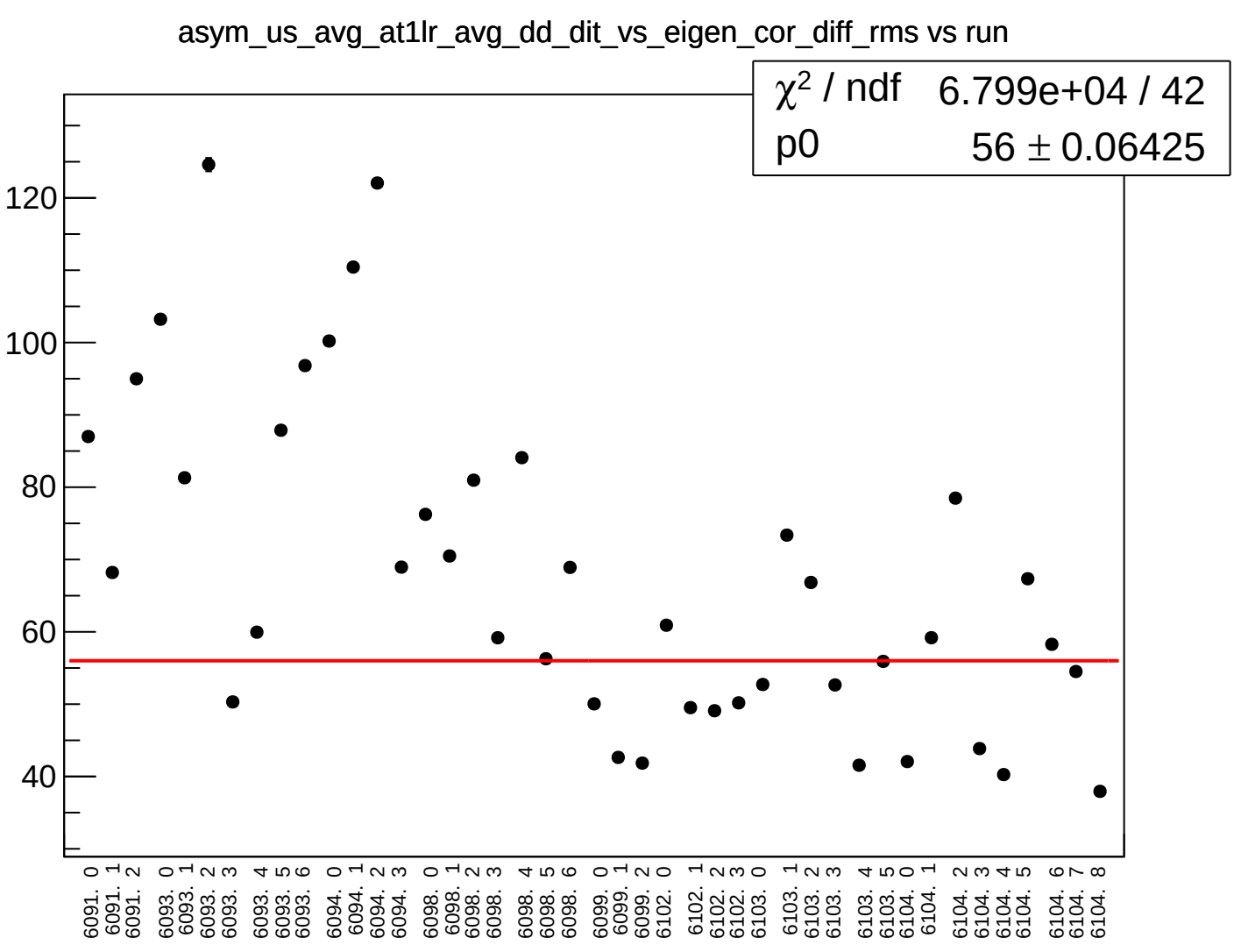

asym_us_avg_at1lr_avg_dd_reg_vs_cor_diff_rms vs run
χ² / ndf 5.646e+05 / 42
p0 2.928e−11 ± 5.71e−14
1.2
1
0.8
0.6
0.4
0.2
0
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

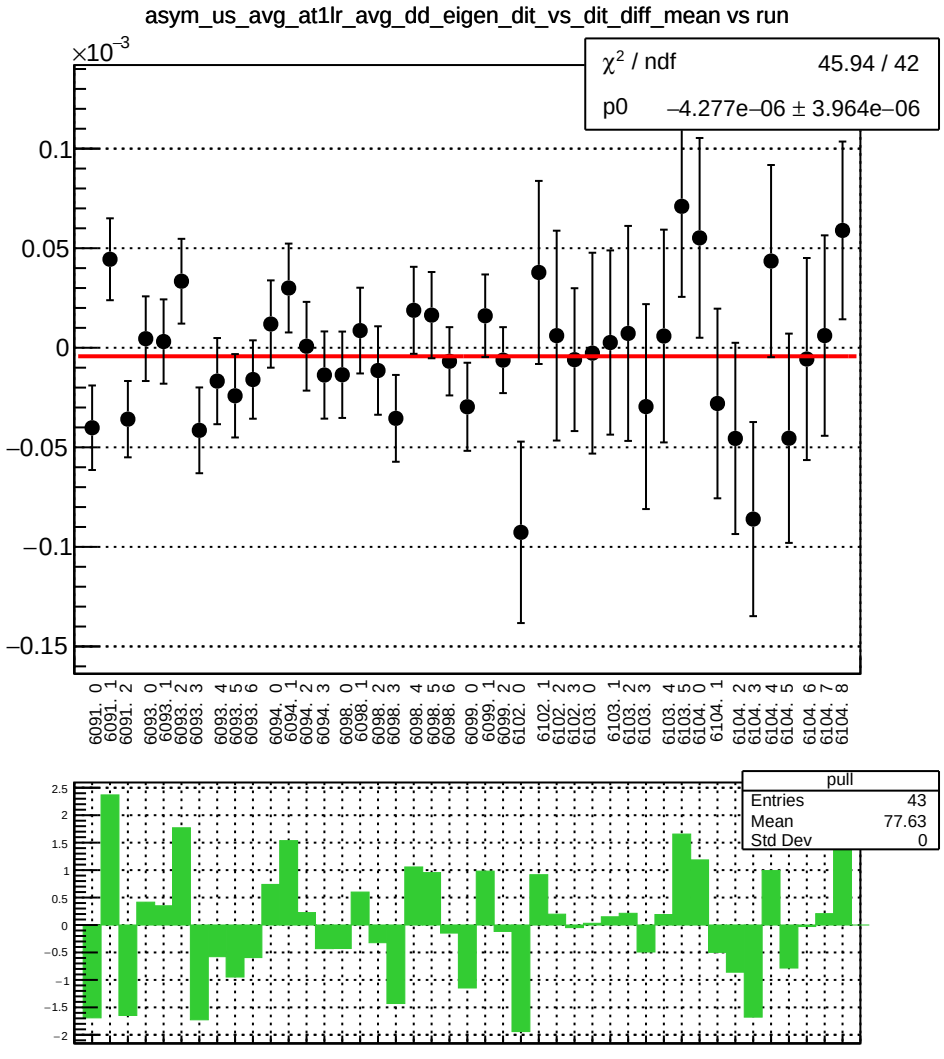

asym_us_avg_at1lr_avg_dd_dit_vs_cor_diff_mean vs run
χ² / ndf 35.78 / 42
p0 −0.04675 ± 0.09087
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 18.45
Std Dev 16.69

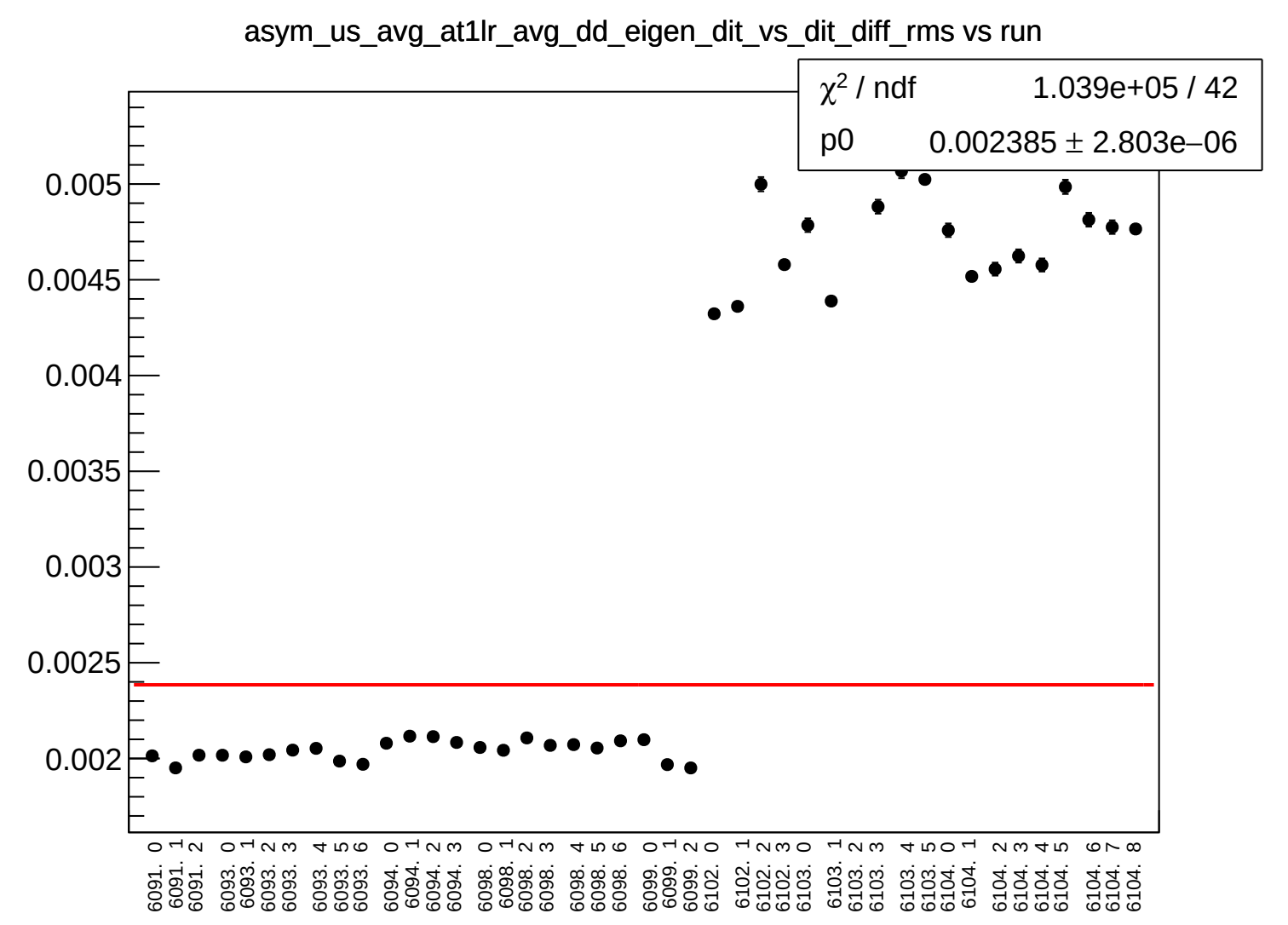

pull1D
Entries 43
Mean 0.06776
Std Dev 0.9096

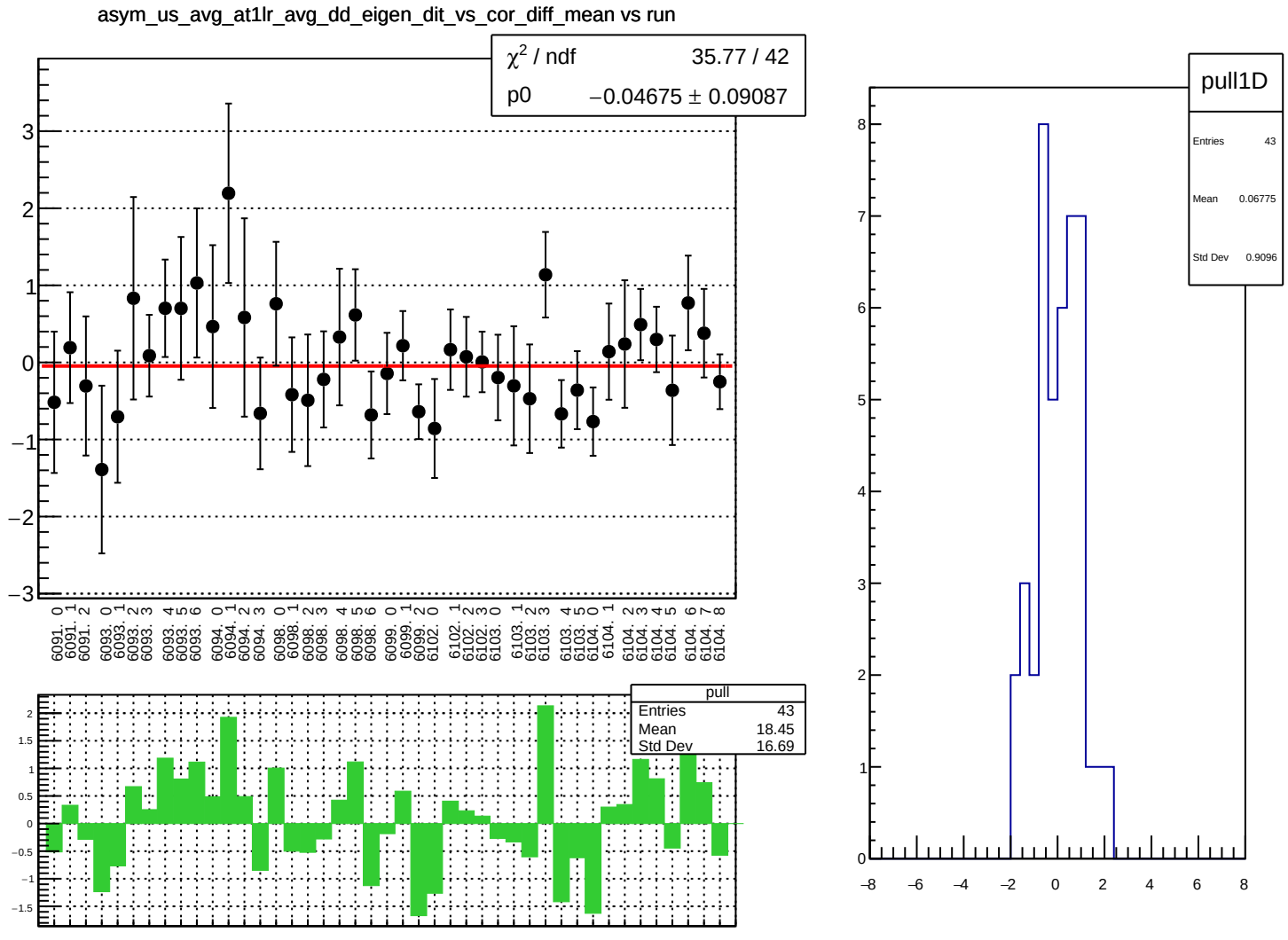

asym_us_avg_at1lr_avg_dd_dit_vs_cor_diff_rms vs run
χ² / ndf 6.799e+04 / 42
p0 56 ± 0.06425
120
100
80
60
40
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

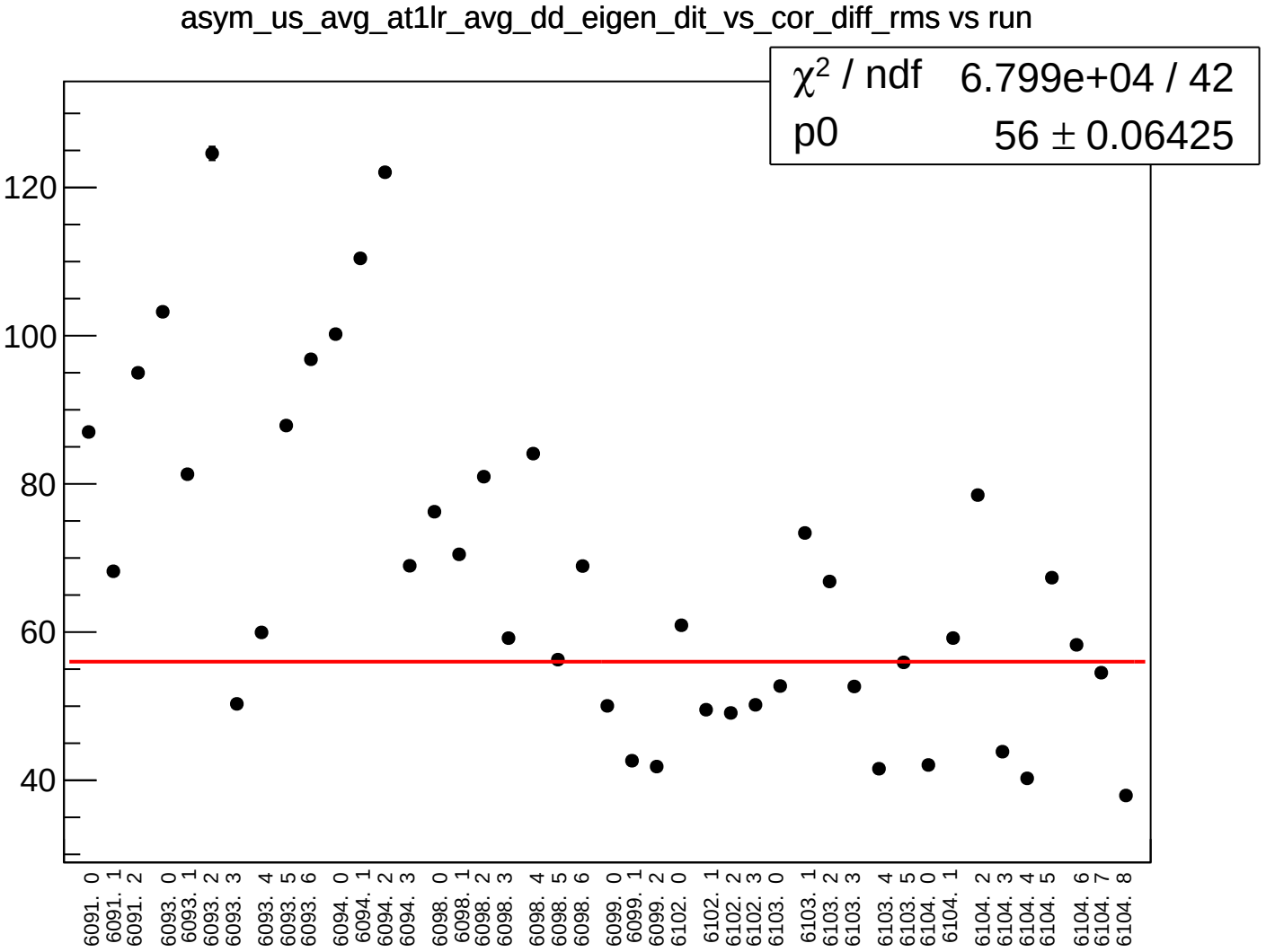

asym_us_avg_at1lr_avg_dd_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 35.78 / 42
p0 −0.04675 ± 0.09087
pull
Entries 43
Mean 18.45
Std Dev 16.69
pull1D
Entries 43
Mean 0.06776
Std Dev 0.9096


asym_us_avg_at1lr_avg_dd_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 6.799e+04 / 42
p0 56 ± 0.06425
120
100
80
60
40
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

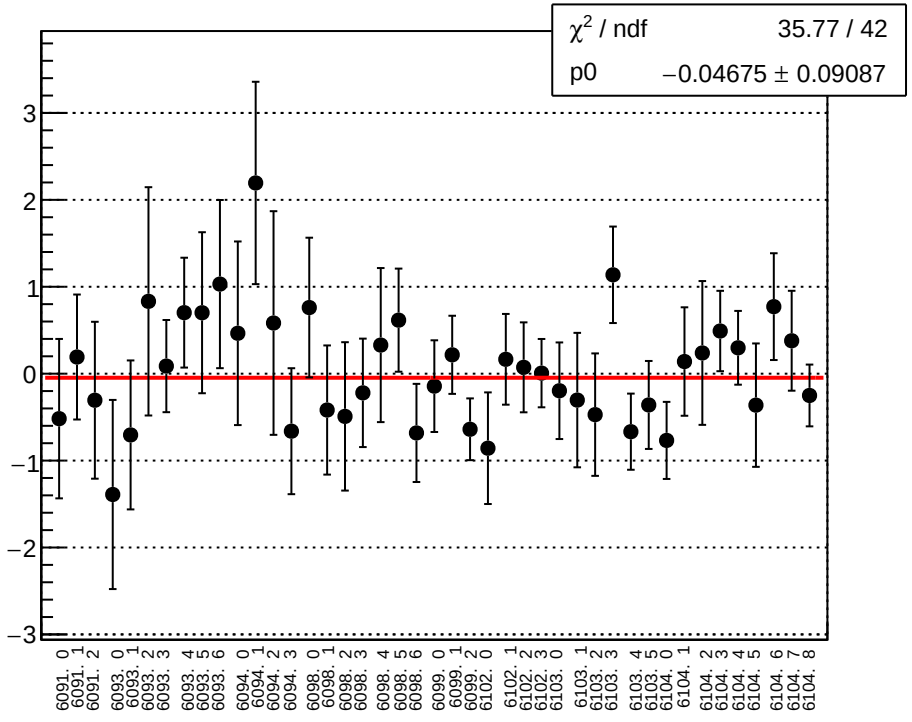

asym_us_avg_at1lr_avg_dd_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 45.94 / 42
p0 −4.277e−06 ± 3.964e−06
0.1
0.05
0
−0.05
−0.1
−0.15
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 77.63
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 43
Mean 0.01461
Std Dev 1.033
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

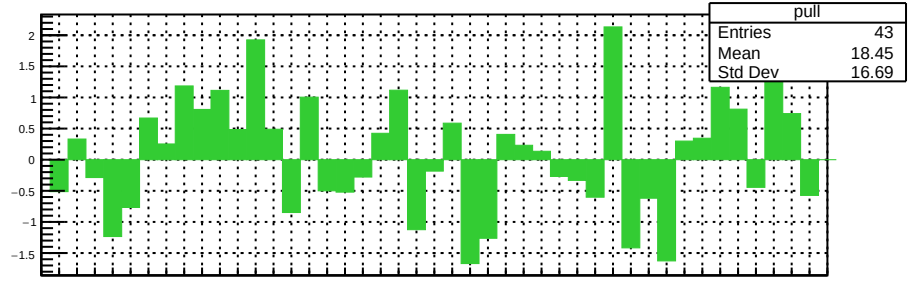

asym_us_avg_at1lr_avg_dd_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 1.039e+05 / 42
p0 0.002385 ± 2.803e−06
0.005
0.0045
0.004
0.0035
0.003
0.0025
0.002
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

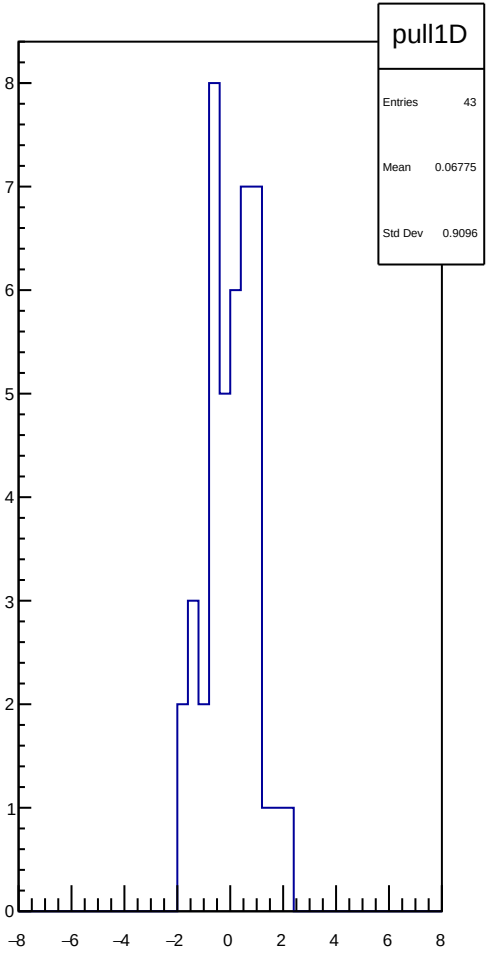

asym_us_avg_at1lr_avg_dd_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 35.77 / 42
p0 −0.04675 ± 0.09087
pull
Entries 43
Mean 18.45
Std Dev 16.69
pull1D
Entries 43
Mean 0.06775
Std Dev 0.9096

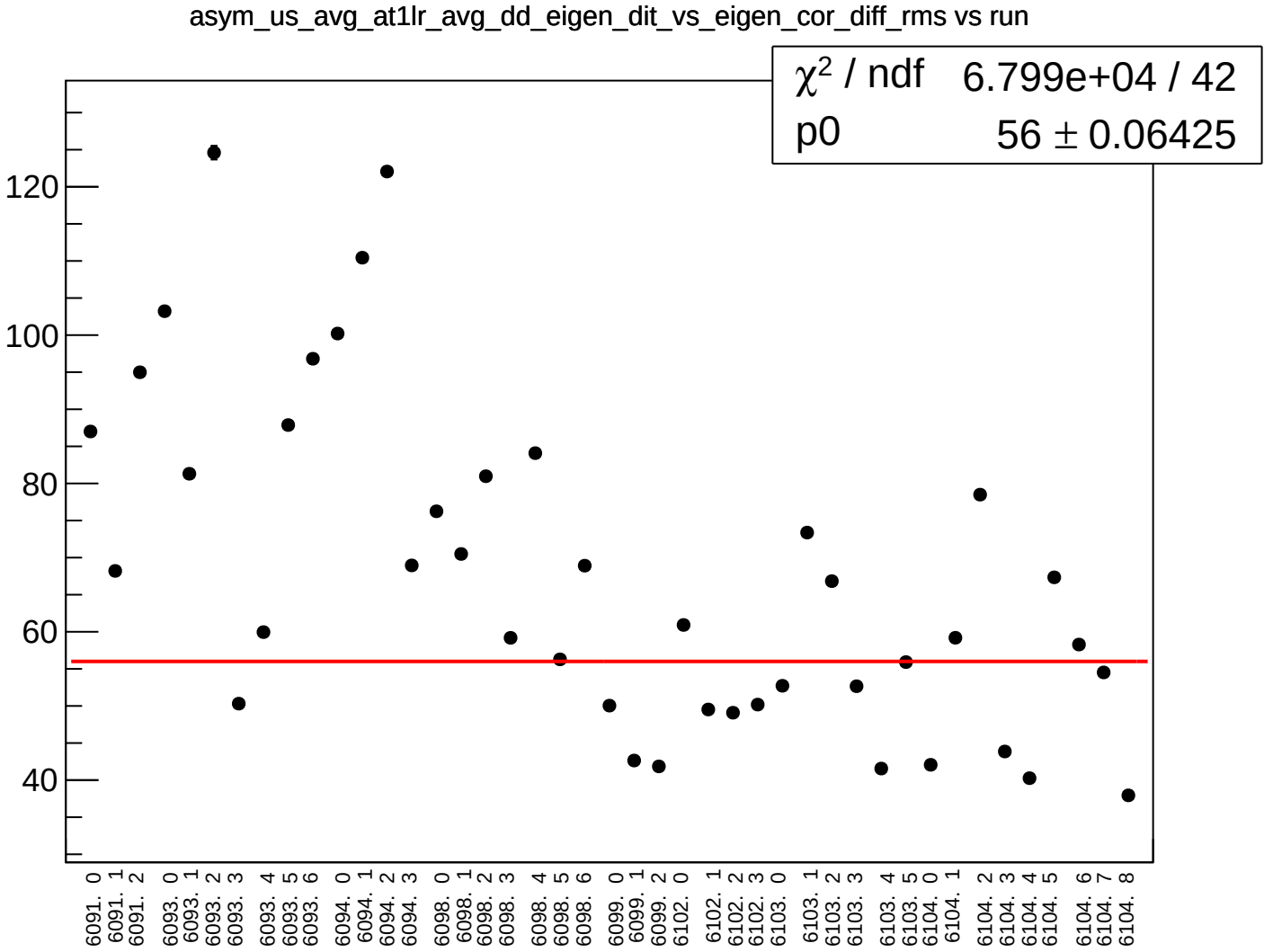

asym_us_avg_at1lr_avg_dd_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 6.799e+04 / 42
p0 56 ± 0.06425
120
100
80
60
40
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

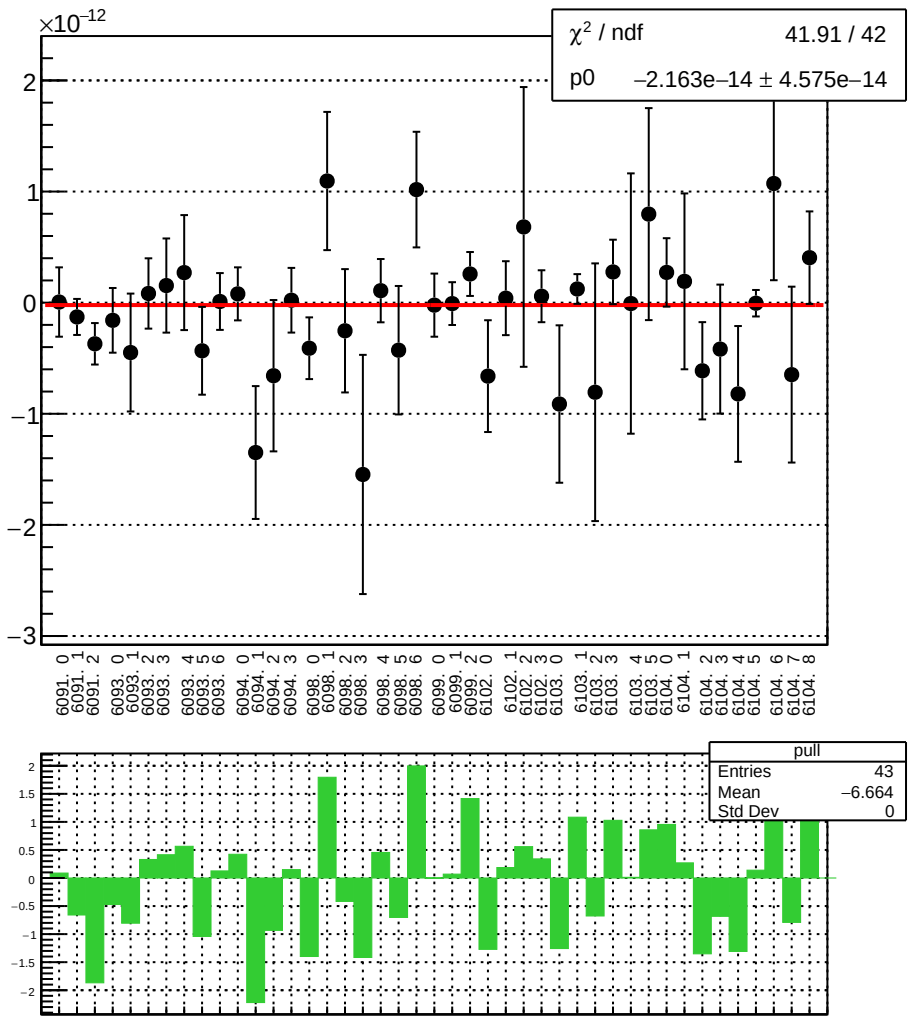
asym_us_avg_at1lr_avg_dd_eigen_dit_vs_eigen_cor_diff_mean vs run

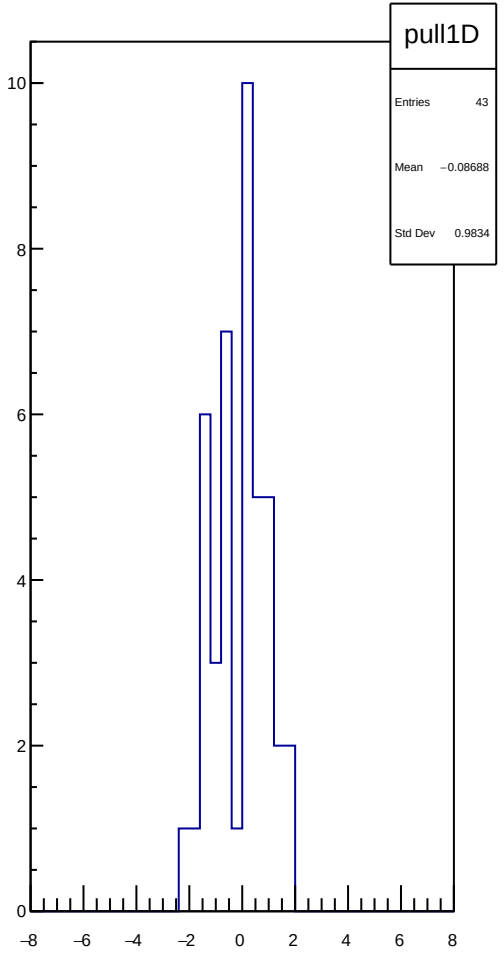


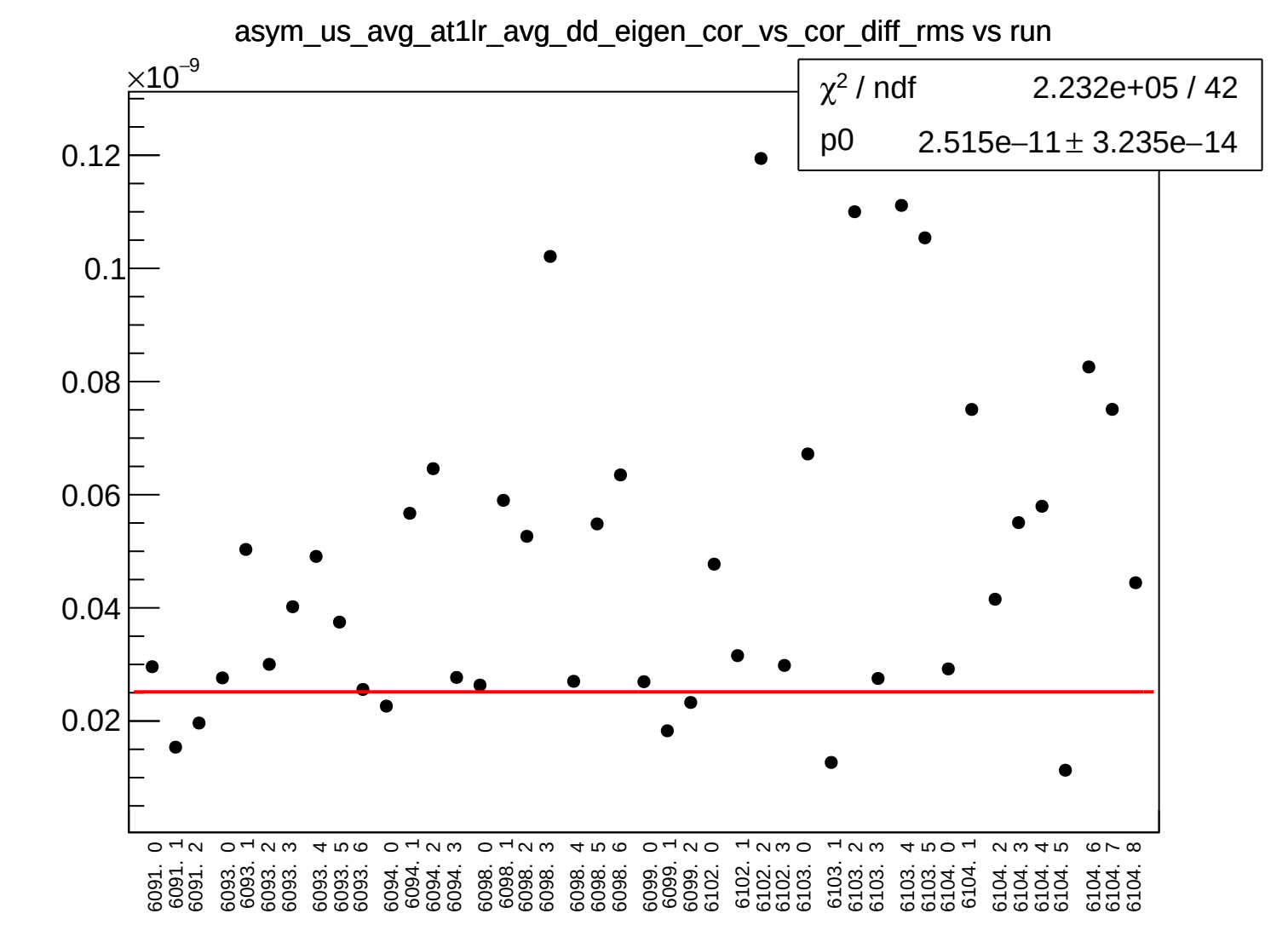


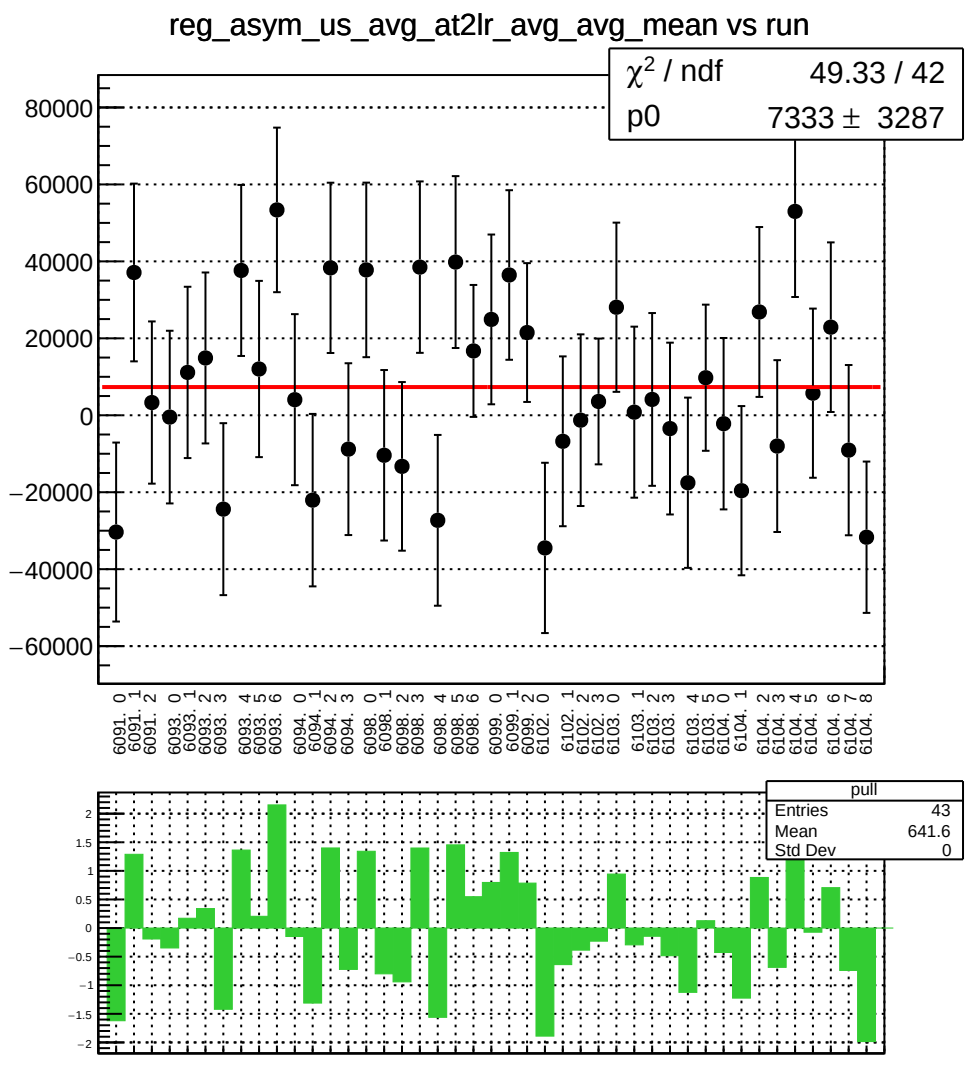


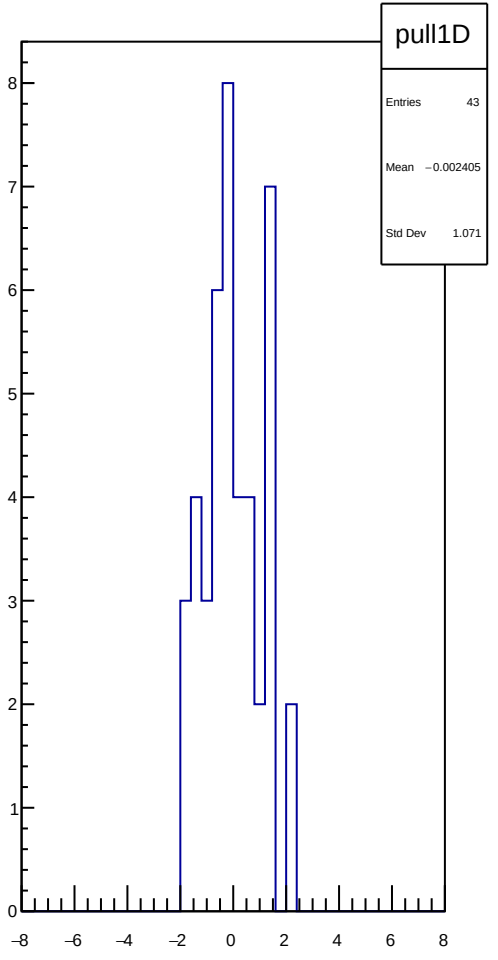

asym_us_avg_at1lr_avg_dd_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 6.799e+04 / 42
p0 56 ± 0.06425
120
100
80
60
40
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

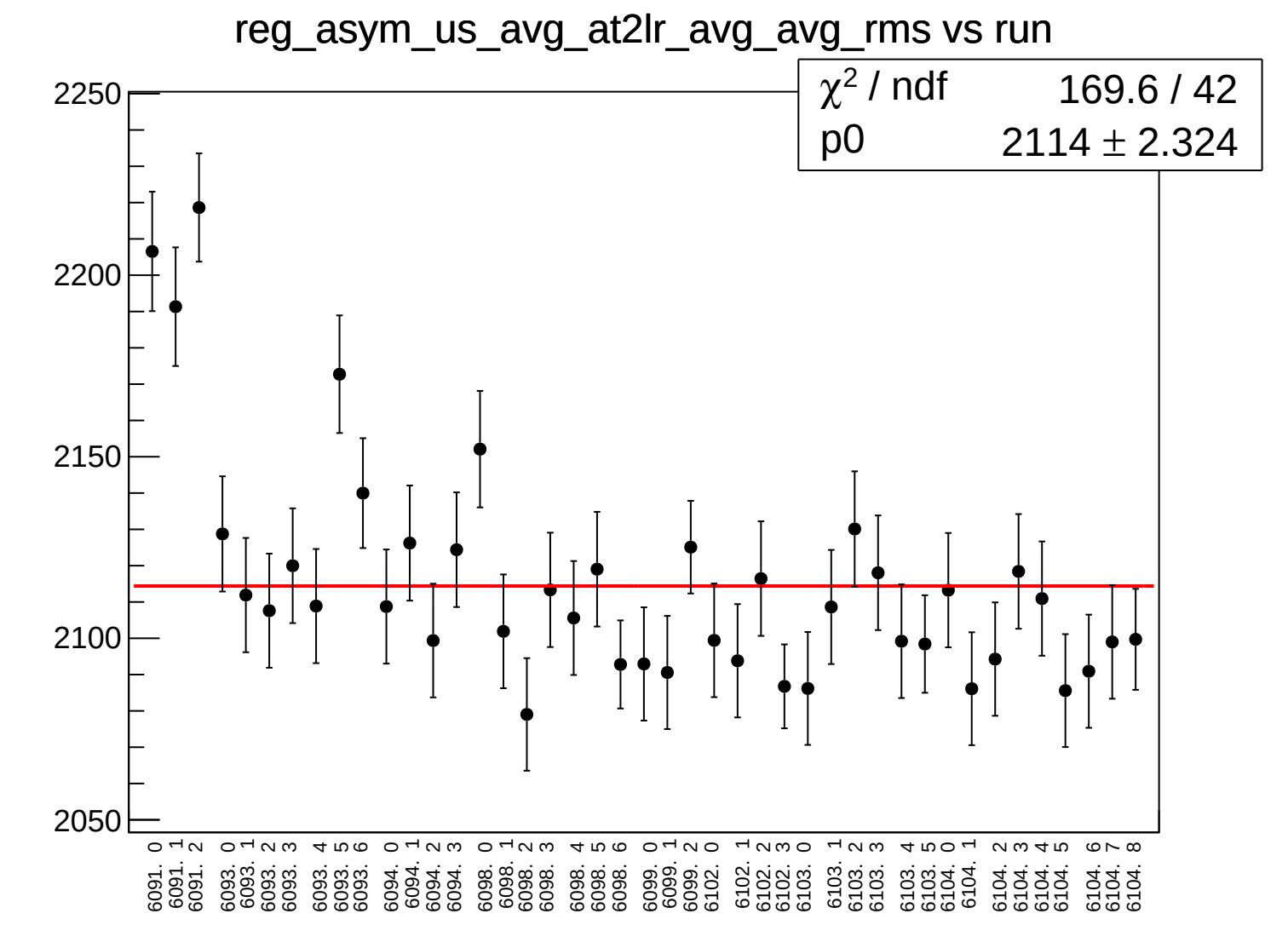

asym_us_avg_at1lr_avg_dd_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 41.91 / 42
p0 −2.163e−14 ± 4.575e−14
pull
Entries 43
Mean −6.664
Std Dev 0

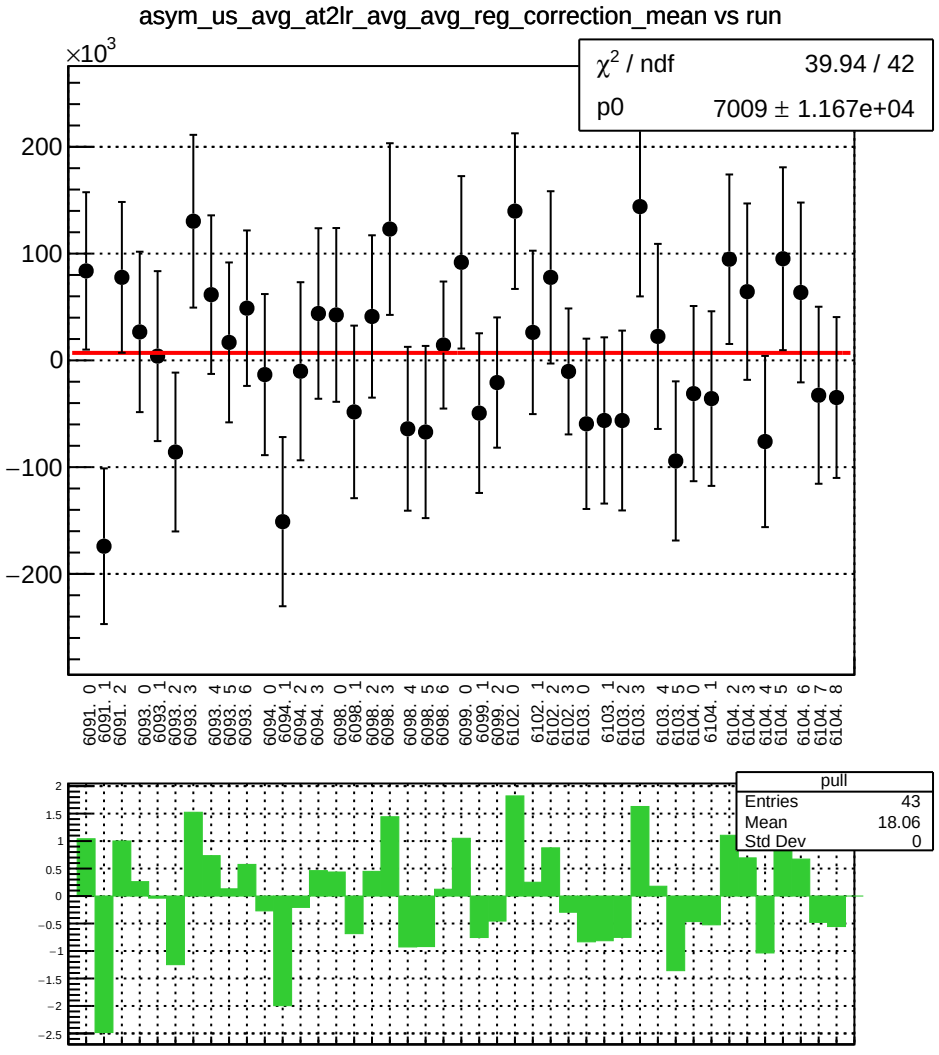

pull1D
Entries 43
Mean −0.08688
Std Dev 0.9834

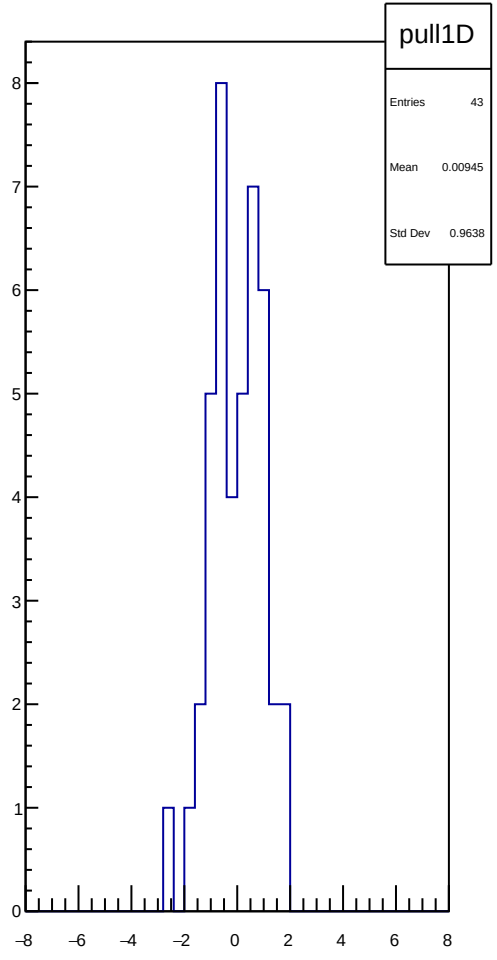

asym_us_avg_at1lr_avg_dd_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 2.232e+05 / 42
p0 2.515e−11 ± 3.235e−14
0.12
0.1
0.08
0.06
0.04
0.02
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

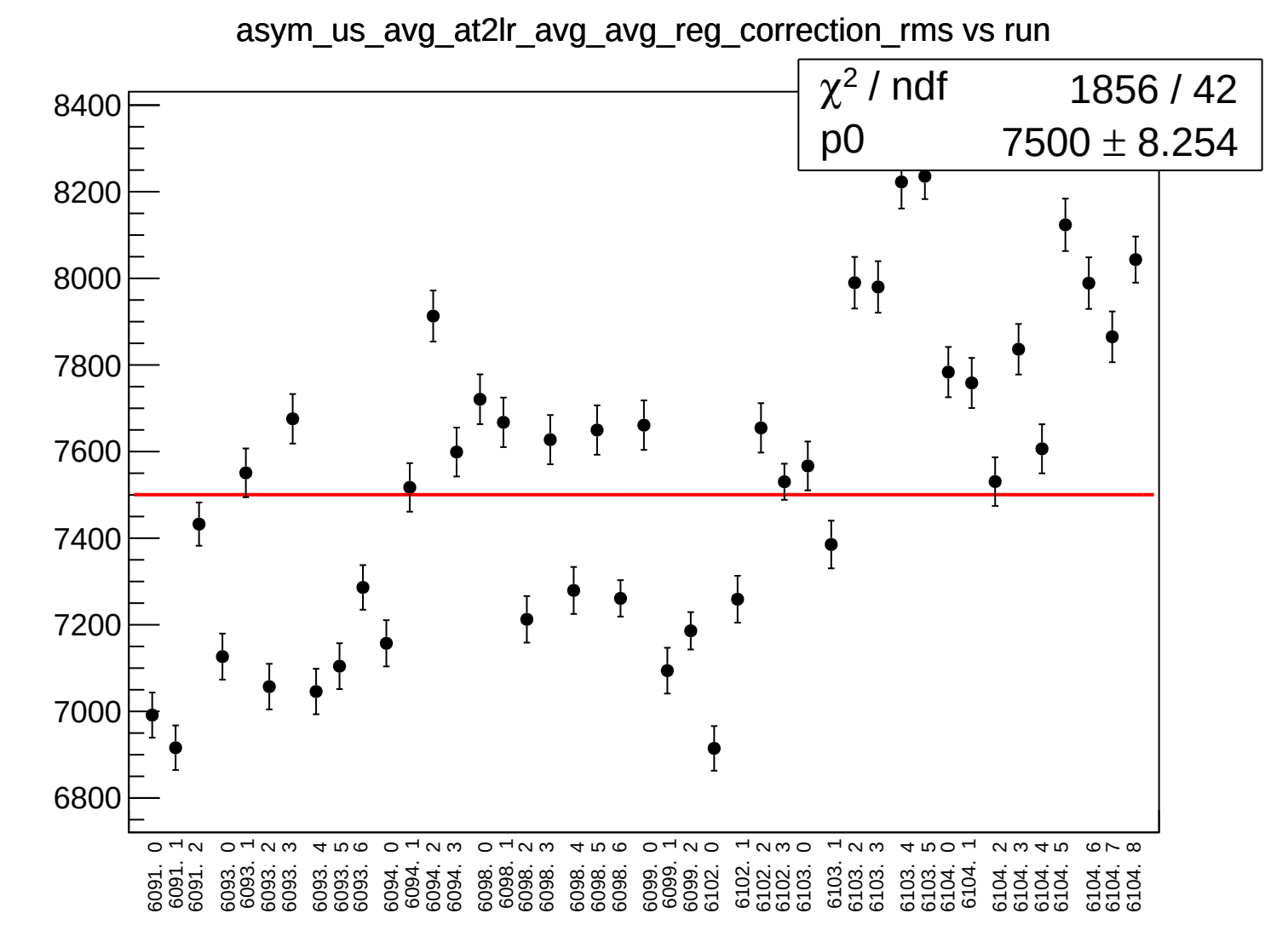

reg_asym_us_avg_at2lr_avg_avg_mean vs run
χ² / ndf 49.33 / 42
p0 7333 ± 3287
80000
60000
40000
20000
0
−20000
−40000
−60000
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 641.6
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

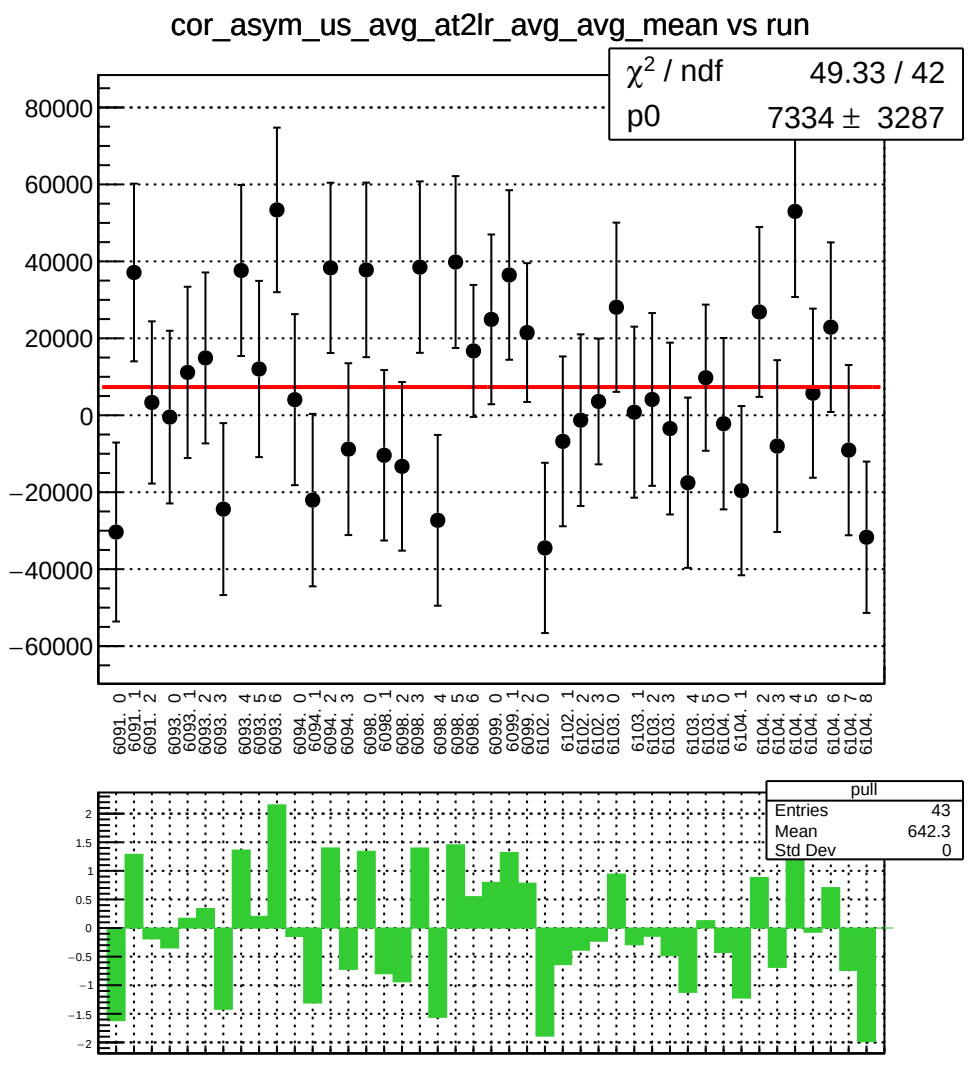

pull1D
Entries 43
Mean −0.002405
Std Dev 1.071
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

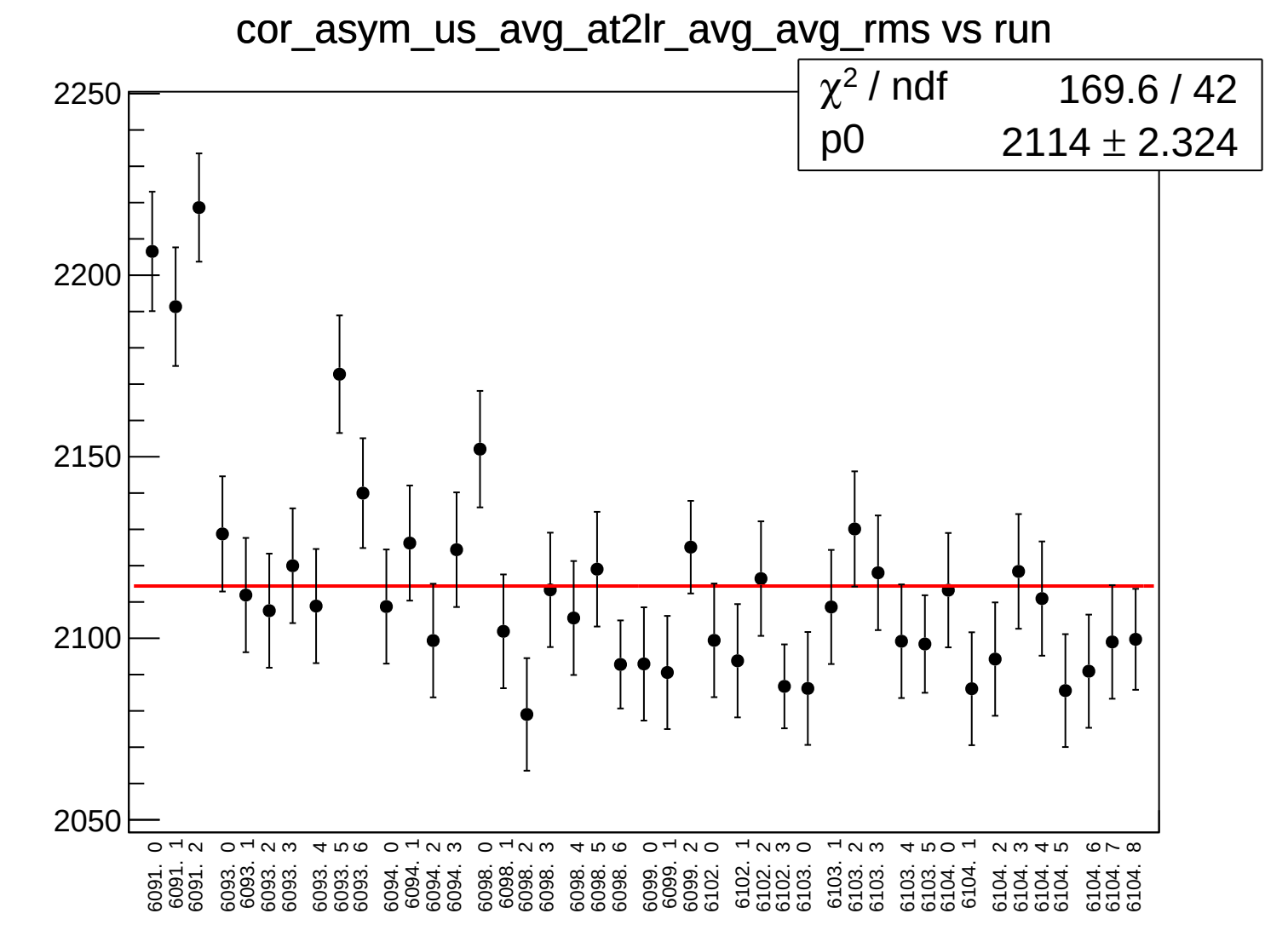

reg_asym_us_avg_at2lr_avg_avg_rms vs run
χ² / ndf 169.6 / 42
p0 2114 ± 2.324
2250
2200
2150
2100
2050
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

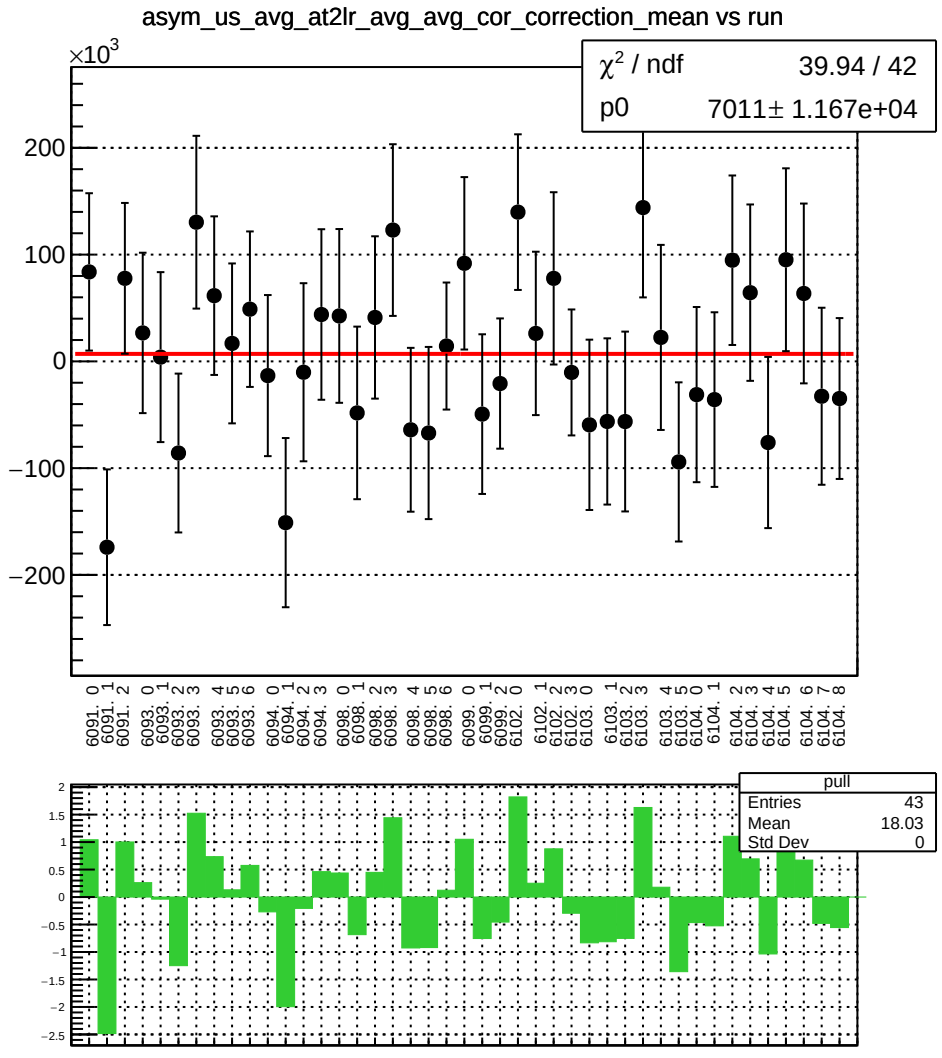

asym_us_avg_at2lr_avg_avg_reg_correction_mean vs run
×10^3
χ² / ndf 39.94 / 42
p0 7009 ± 1.167e+04
200
100
0
−100
−200
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 18.06
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

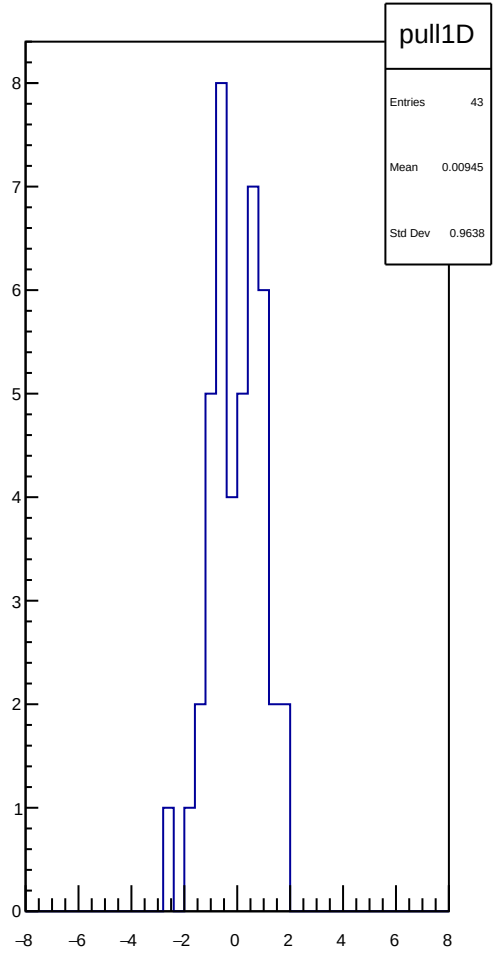

pull1D
Entries 43
Mean 0.00945
Std Dev 0.9638
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

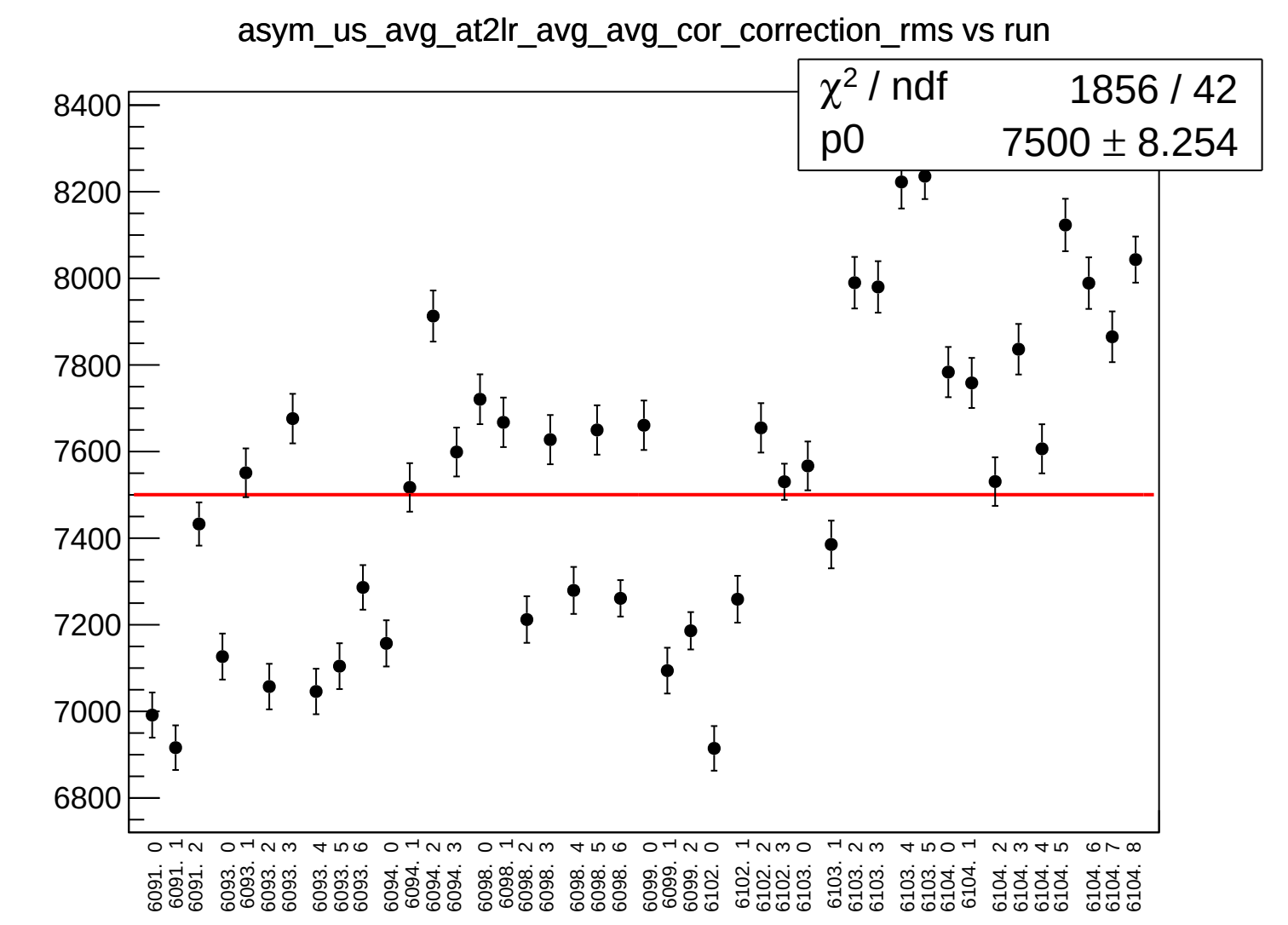

asym_us_avg_at2lr_avg_avg_reg_correction_rms vs run
χ² / ndf 1856 / 42
p0 7500 ± 8.254
8400
8200
8000
7800
7600
7400
7200
7000
6800
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

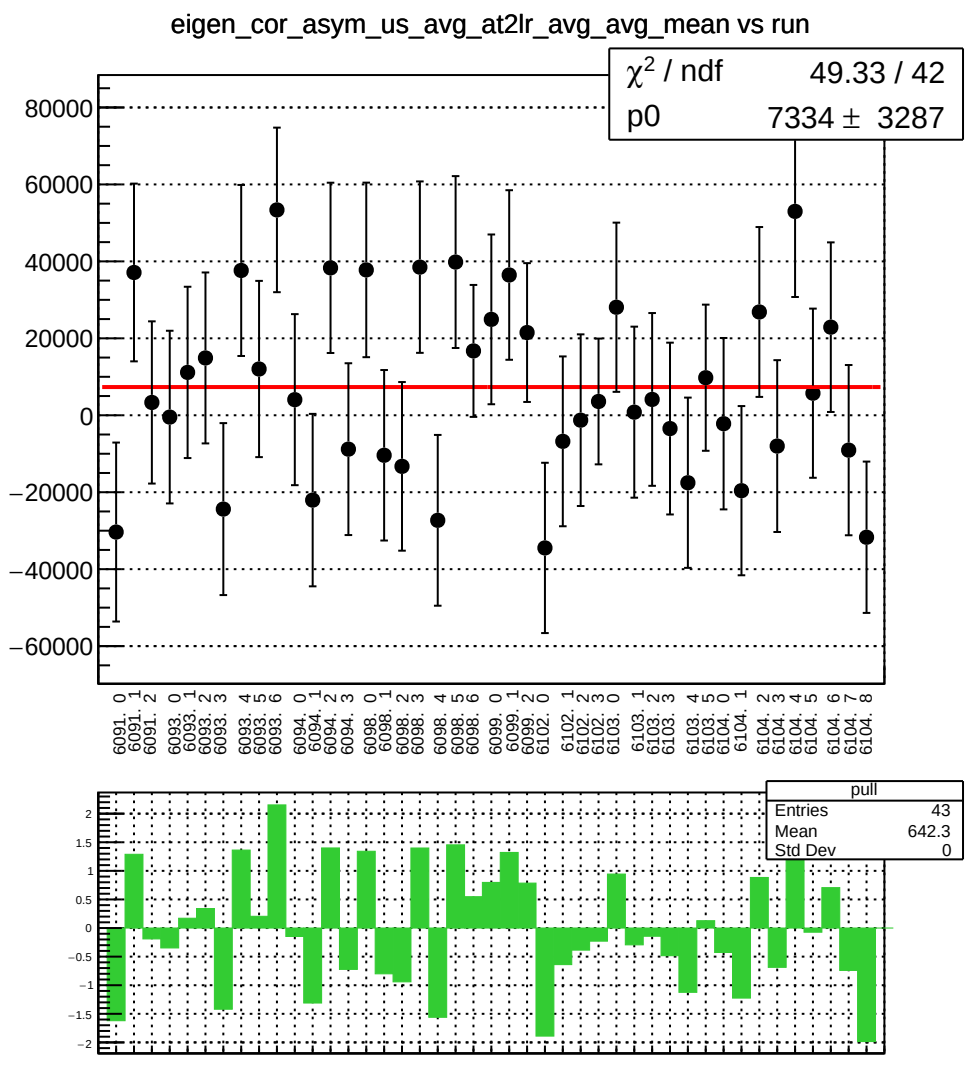

cor_asym_us_avg_at2lr_avg_avg_mean vs run
χ² / ndf 49.33 / 42
p0 7334 ± 3287
80000
60000
40000
20000
0
−20000
−40000
−60000
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 642.3
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 43
Mean −0.002404
Std Dev 1.071
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

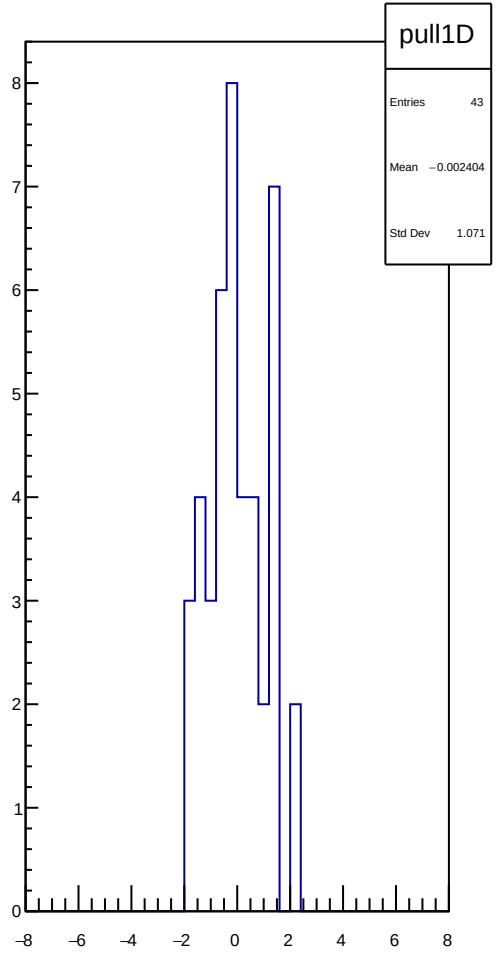

cor_asym_us_avg_at2lr_avg_avg_rms vs run
χ² / ndf 169.6 / 42
p0 2114 ± 2.324
2250
2200
2150
2100
2050
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

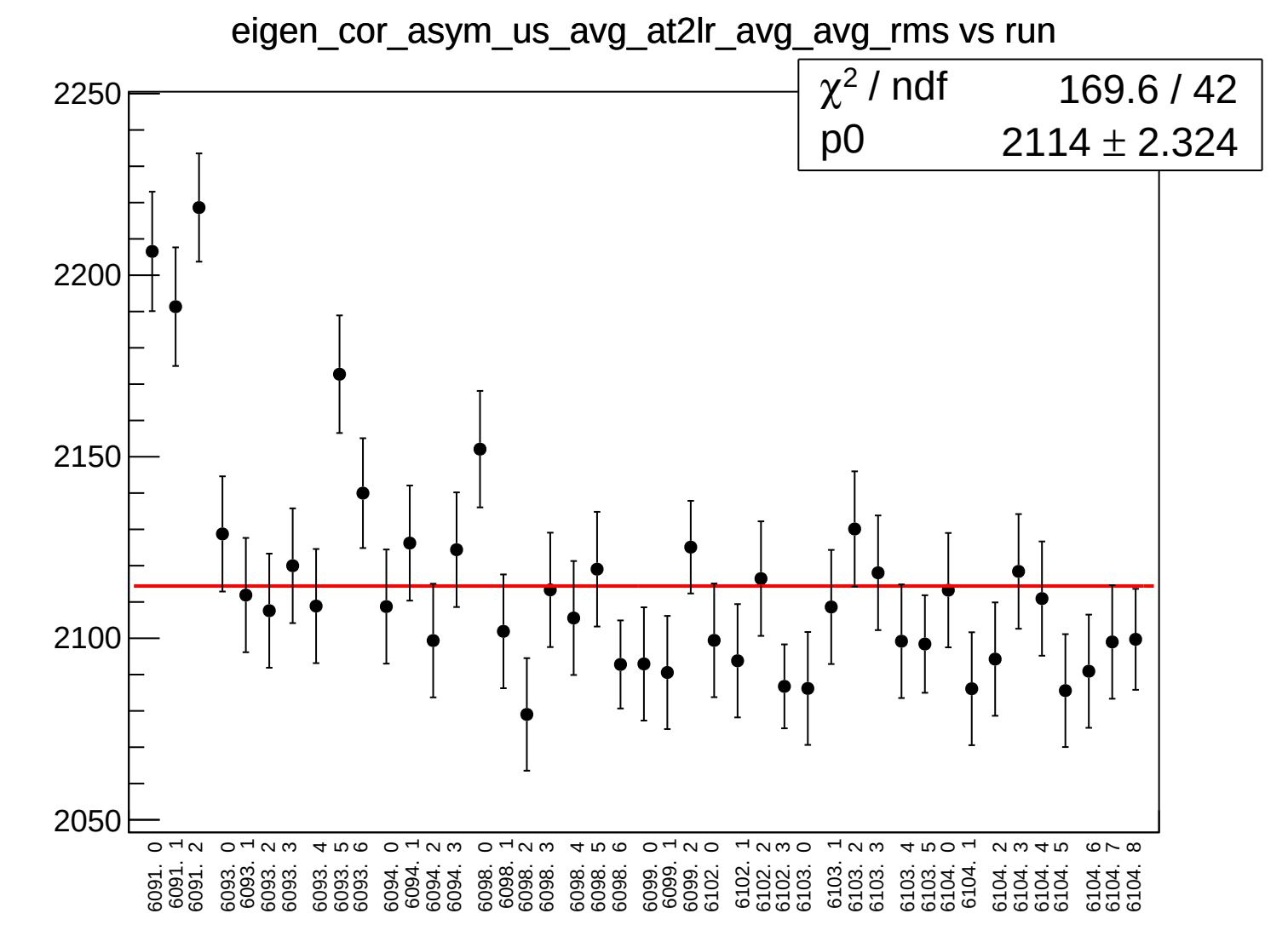

asym_us_avg_at2lr_avg_avg_cor_correction_mean vs run
×10^3
χ² / ndf 39.94 / 42
p0 7011± 1.167e+04
200
100
0
−100
−200
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 18.03
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

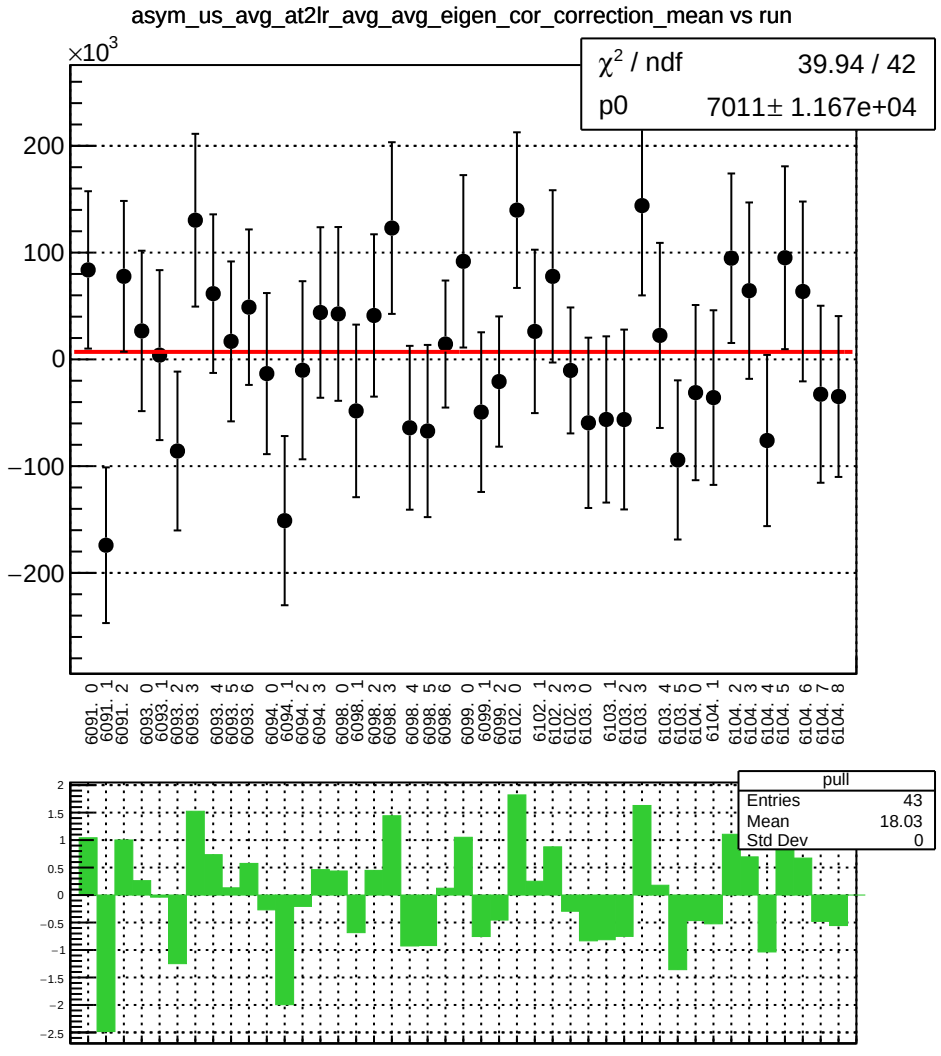

pull1D
Entries 43
Mean 0.00945
Std Dev 0.9638
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

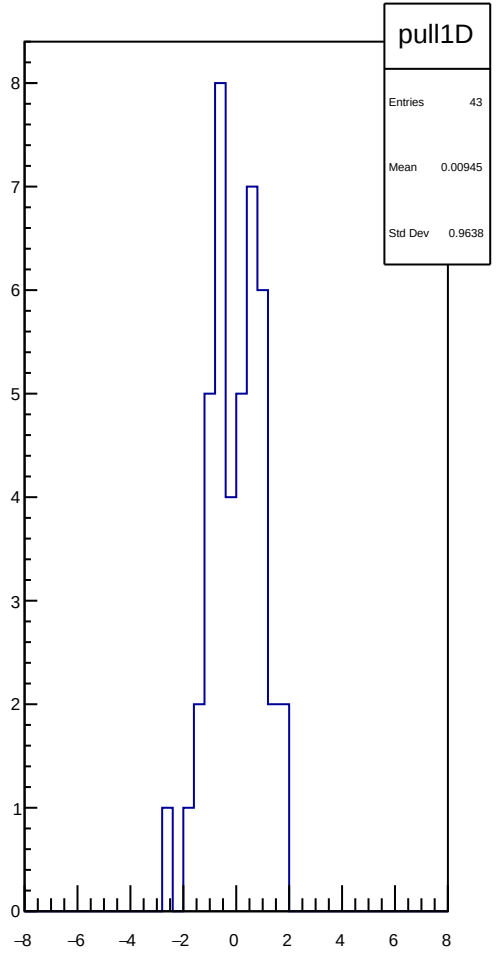

asym_us_avg_at2lr_avg_avg_cor_correction_rms vs run
χ² / ndf 1856 / 42
p0 7500 ± 8.254
8400
8200
8000
7800
7600
7400
7200
7000
6800
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

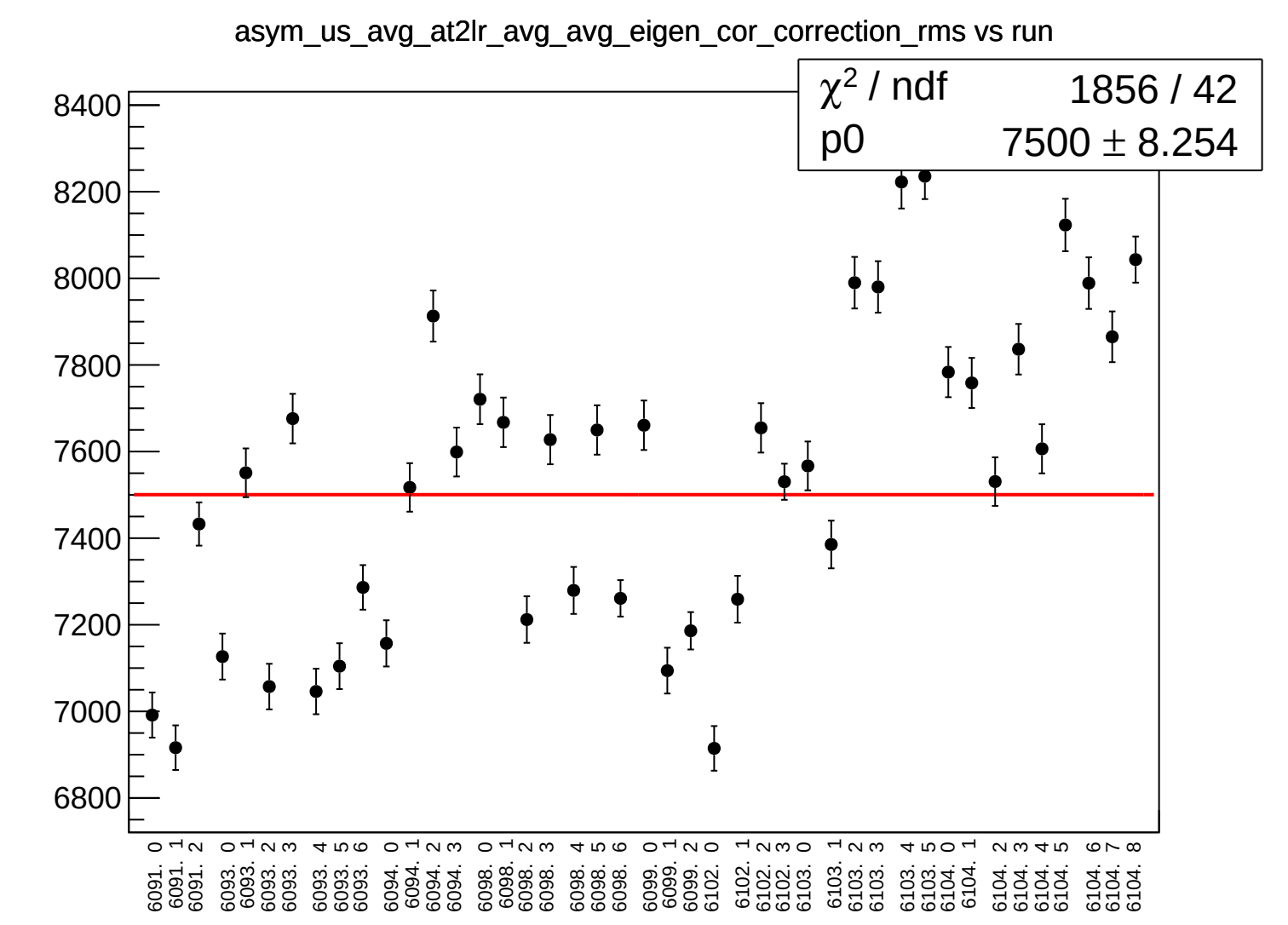

eigen_cor_asym_us_avg_at2lr_avg_avg_mean vs run
χ² / ndf 49.33 / 42
p0 7334 ± 3287
80000
60000
40000
20000
0
−20000
−40000
−60000
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 642.3
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

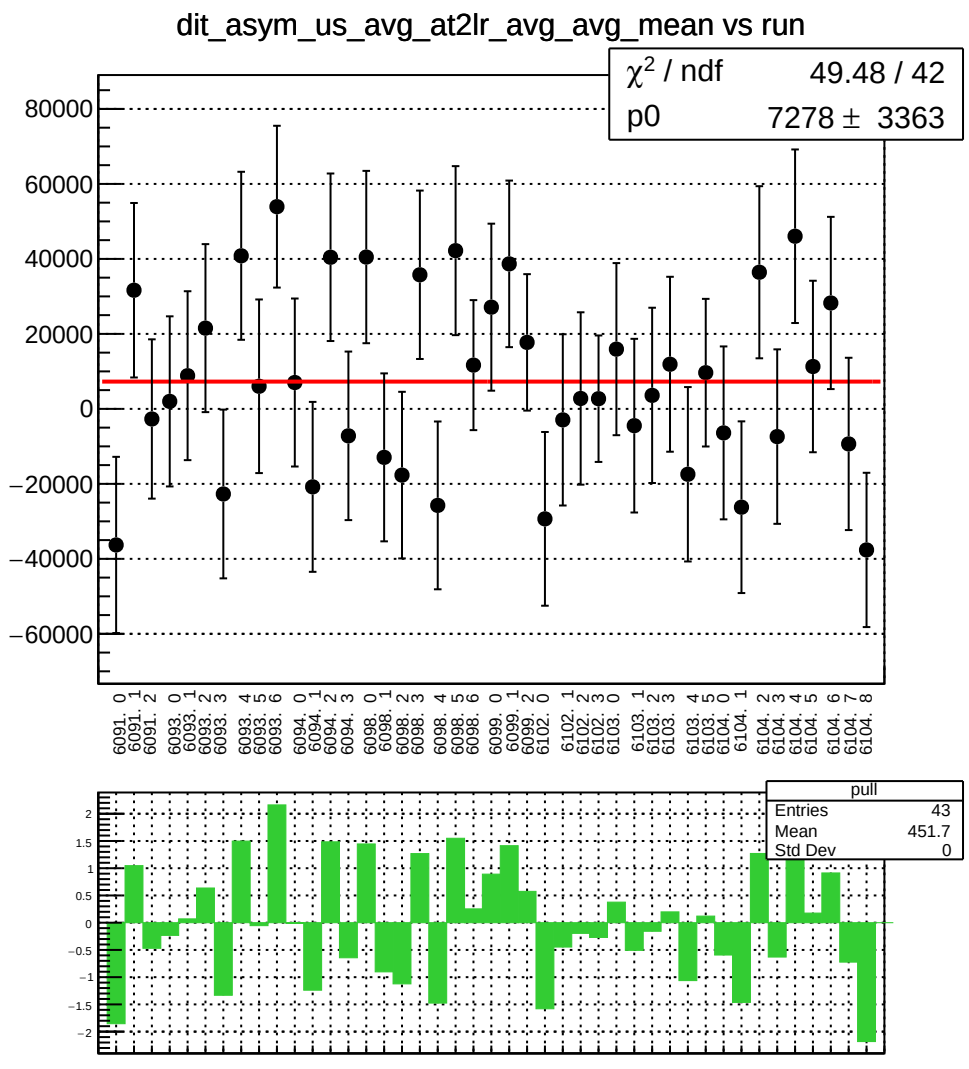

pull1D
Entries 43
Mean −0.002404
Std Dev 1.071
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

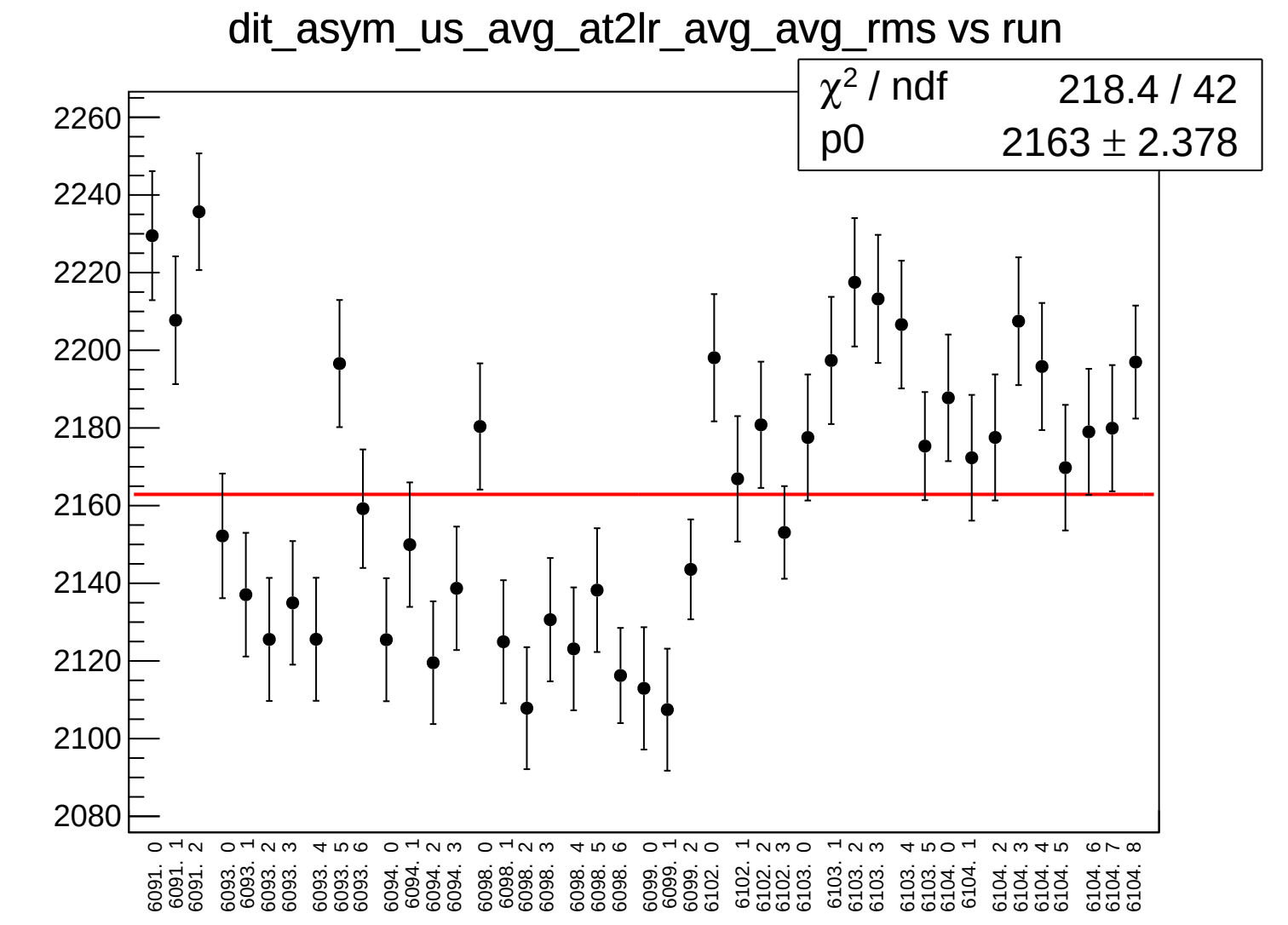

eigen_cor_asym_us_avg_at2lr_avg_avg_rms vs run
χ² / ndf 169.6 / 42
p0 2114 ± 2.324
2250
2200
2150
2100
2050
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

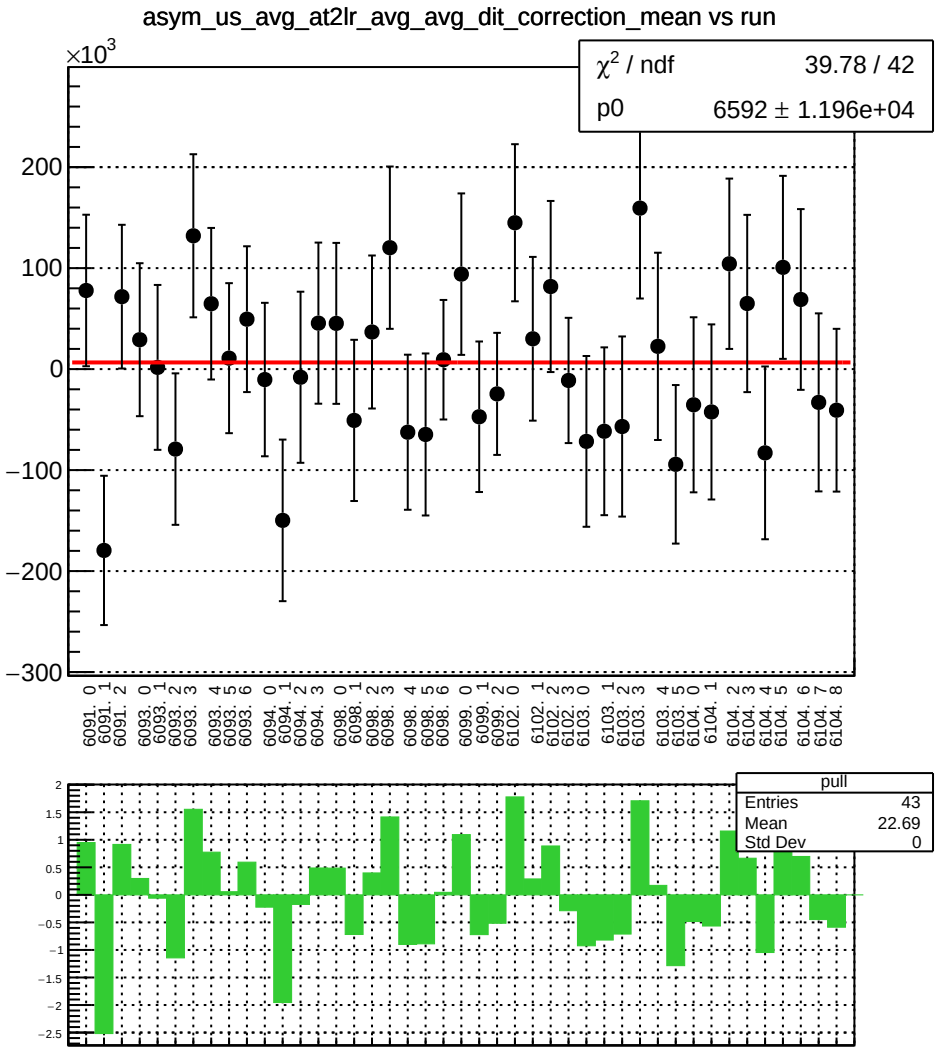

asym_us_avg_at2lr_avg_avg_eigen_cor_correction_mean vs run
×10^3
χ² / ndf 39.94 / 42
p0 7011± 1.167e+04
200
100
0
−100
−200
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 18.03
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

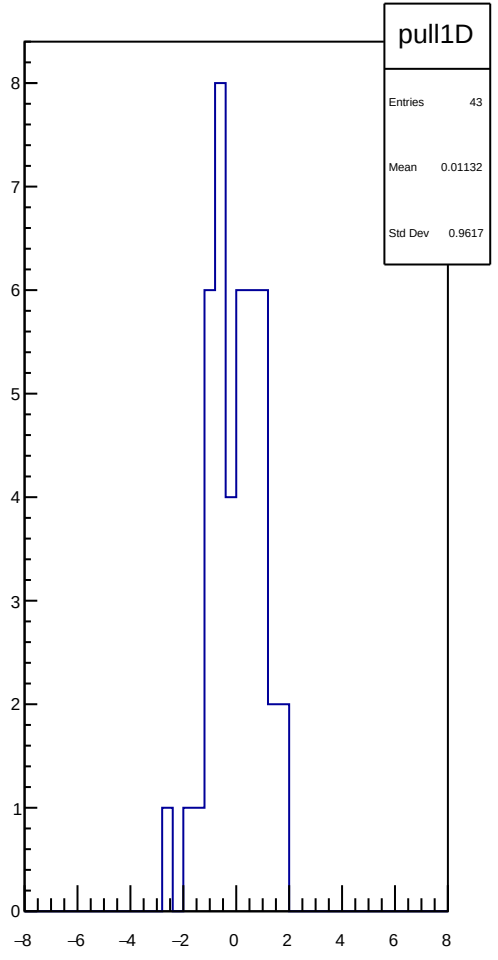

pull1D
Entries 43
Mean 0.00945
Std Dev 0.9638
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

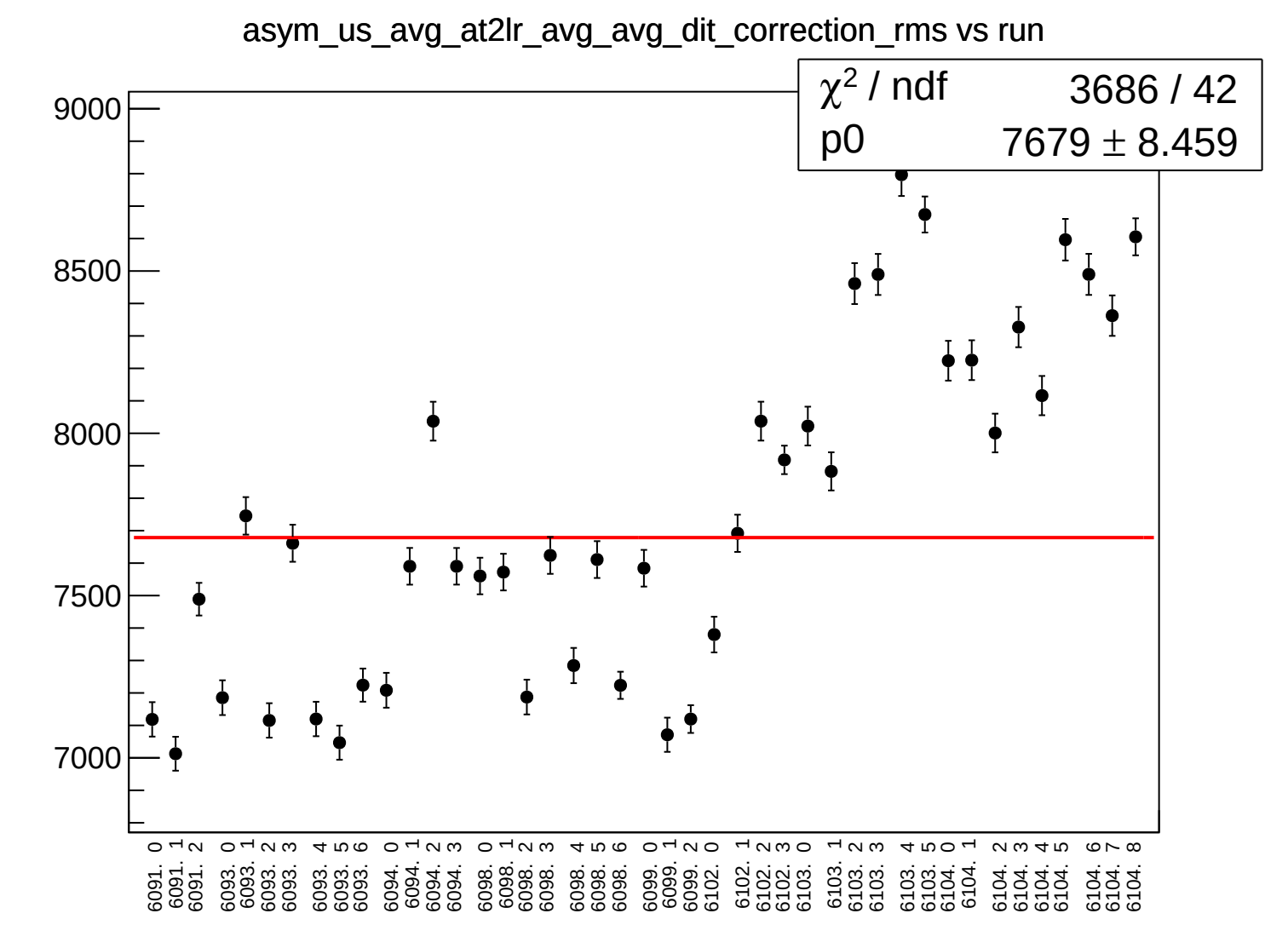

asym_us_avg_at2lr_avg_avg_eigen_cor_correction_rms vs run
χ² / ndf 1856 / 42
p0 7500 ± 8.254
8400
8200
8000
7800
7600
7400
7200
7000
6800
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

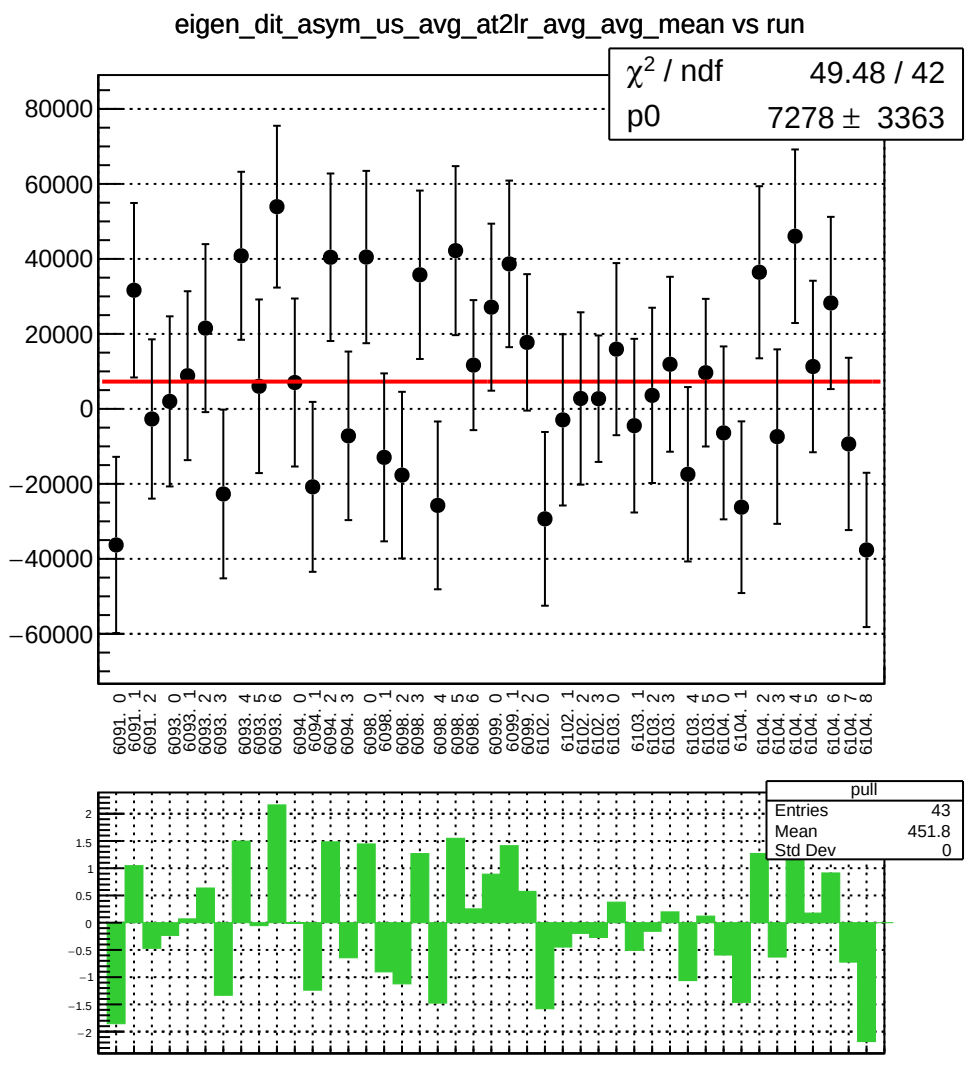

dit_asym_us_avg_at2lr_avg_avg_mean vs run
χ² / ndf 49.48 / 42
p0 7278 ± 3363
80000
60000
40000
20000
0
−20000
−40000
−60000
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 451.7
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 43
Mean −0.002891
Std Dev 1.073
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

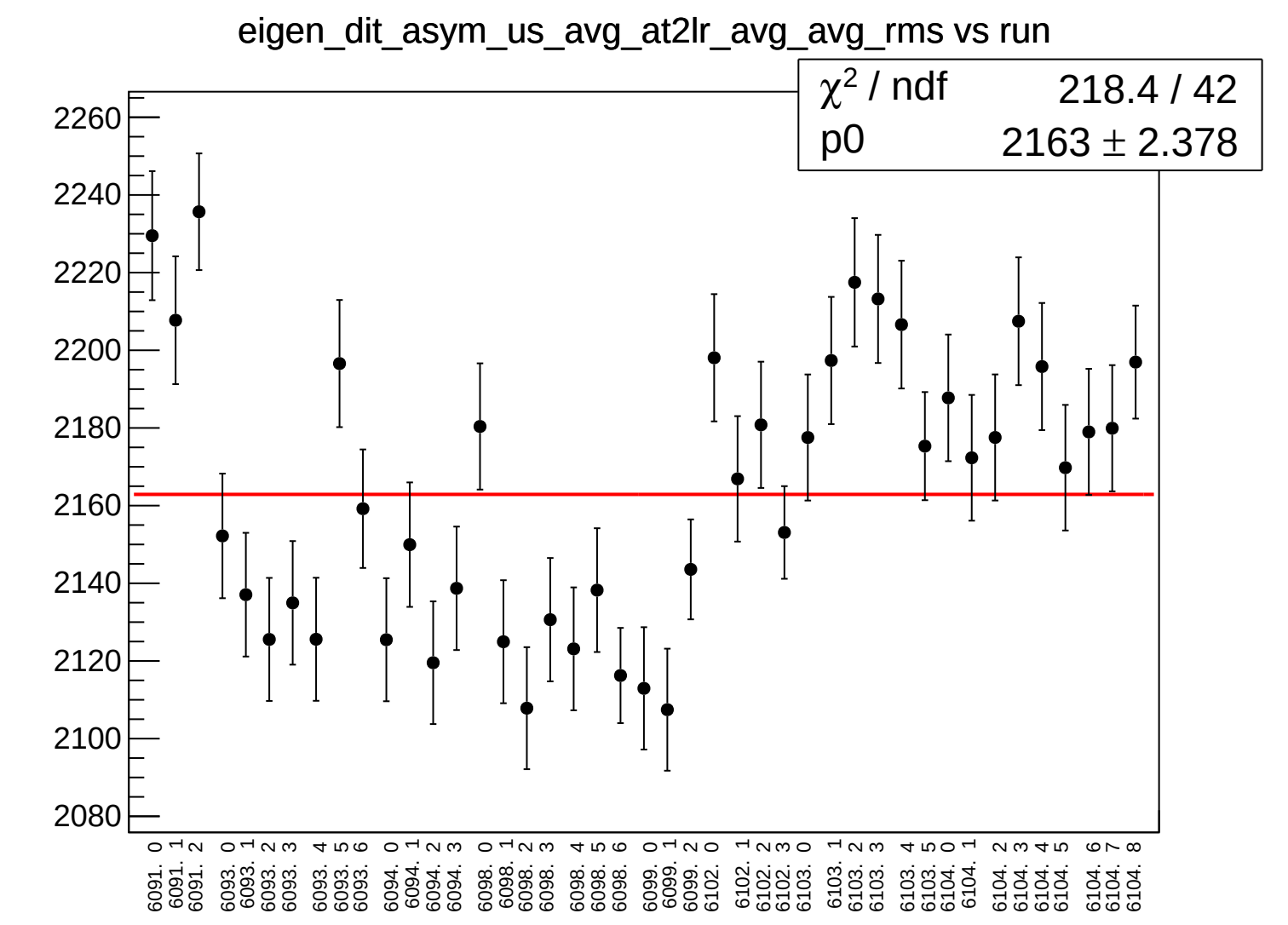

dit_asym_us_avg_at2lr_avg_avg_rms vs run
χ² / ndf 218.4 / 42
p0 2163 ± 2.378
2260
2240
2220
2200
2180
2160
2140
2120
2100
2080
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

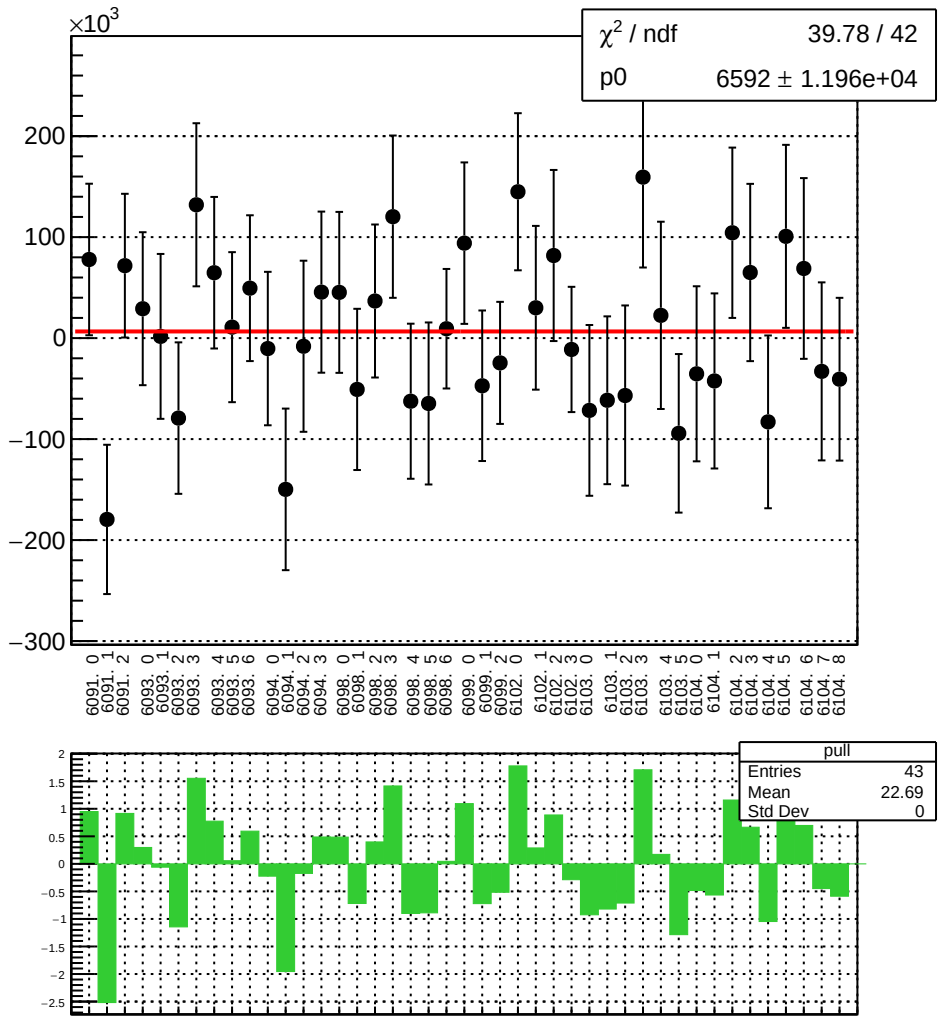

asym_us_avg_at2lr_avg_avg_dit_correction_mean vs run
×10^3
χ² / ndf 39.78 / 42
p0 6592 ± 1.196e+04
200
100
0
−100
−200
−300
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 22.69
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

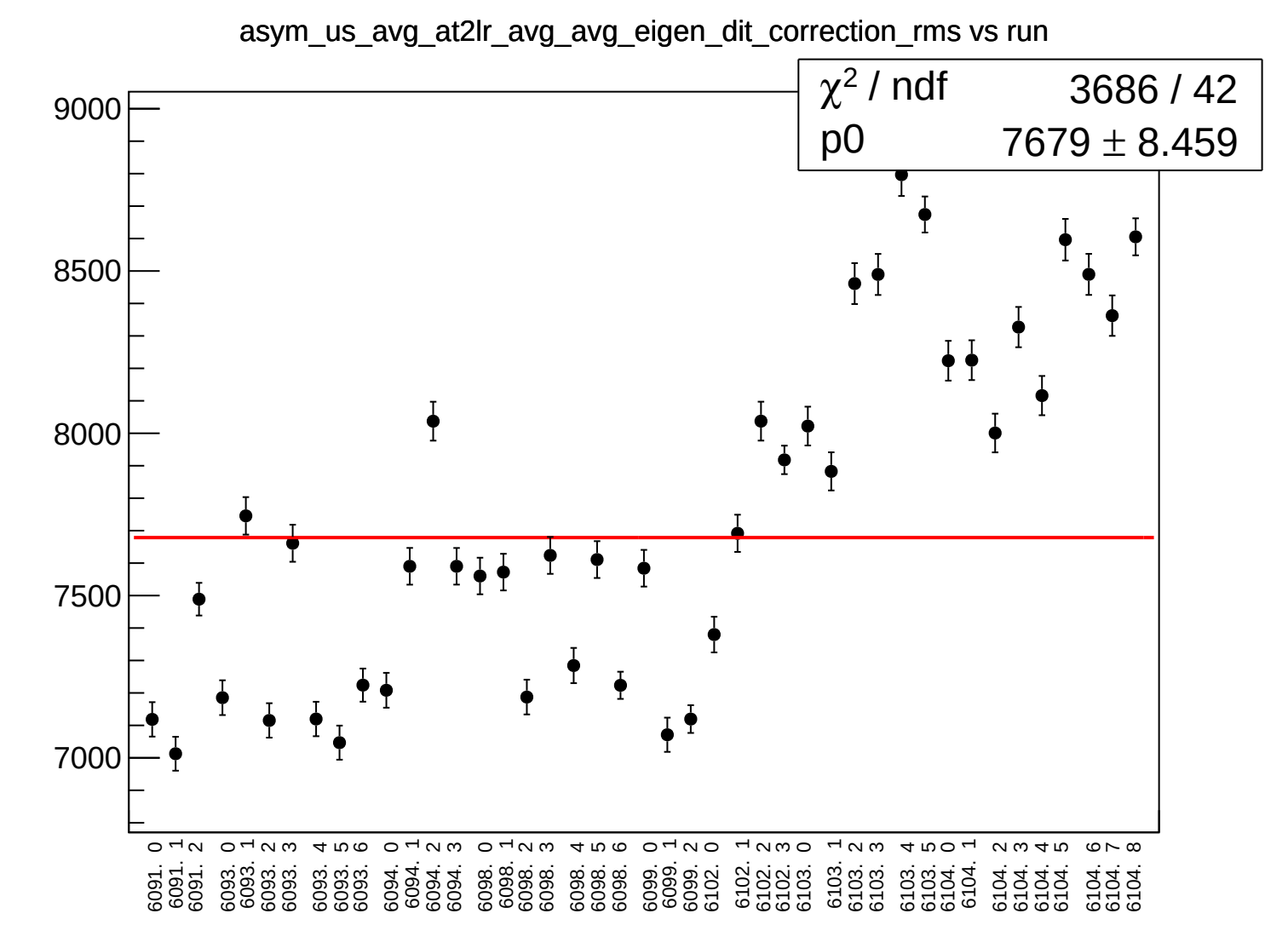

pull1D
Entries 43
Mean 0.01132
Std Dev 0.9617
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

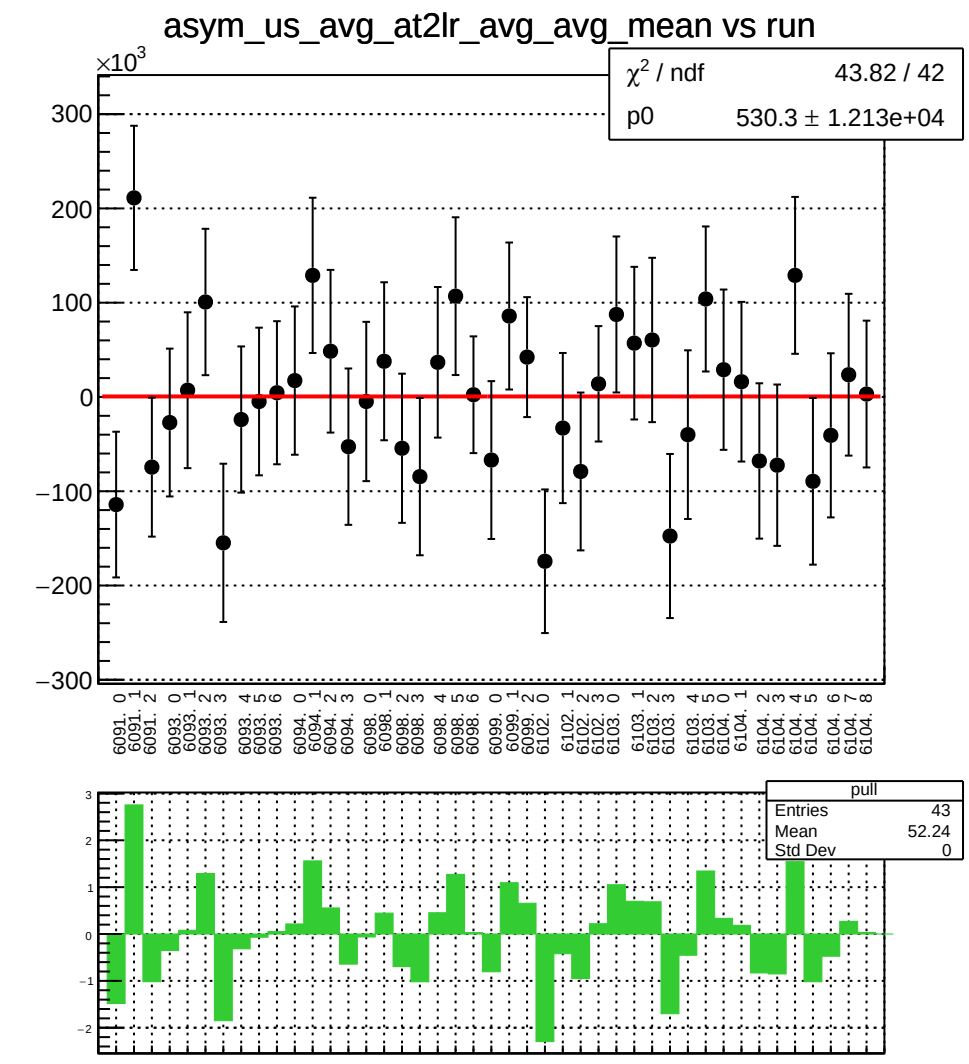

asym_us_avg_at2lr_avg_avg_dit_correction_rms vs run
χ² / ndf 3686 / 42
p0 7679 ± 8.459
9000
8500
8000
7500
7000
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

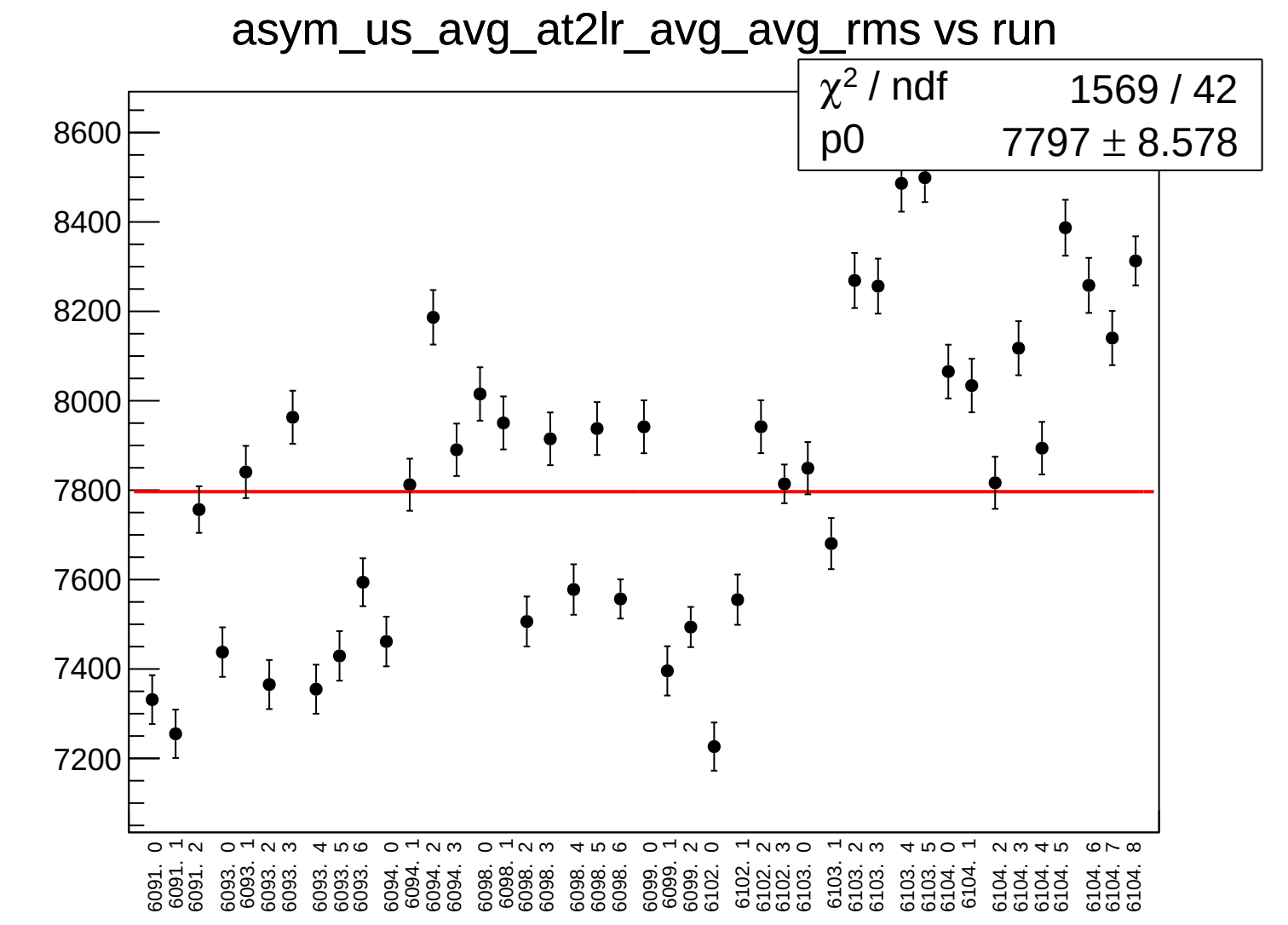

eigen_dit_asym_us_avg_at2lr_avg_avg_mean vs run
χ² / ndf 49.48 / 42
p0 7278 ± 3363
80000
60000
40000
20000
0
−20000
−40000
−60000
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 451.8
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 43
Mean −0.00289
Std Dev 1.073
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

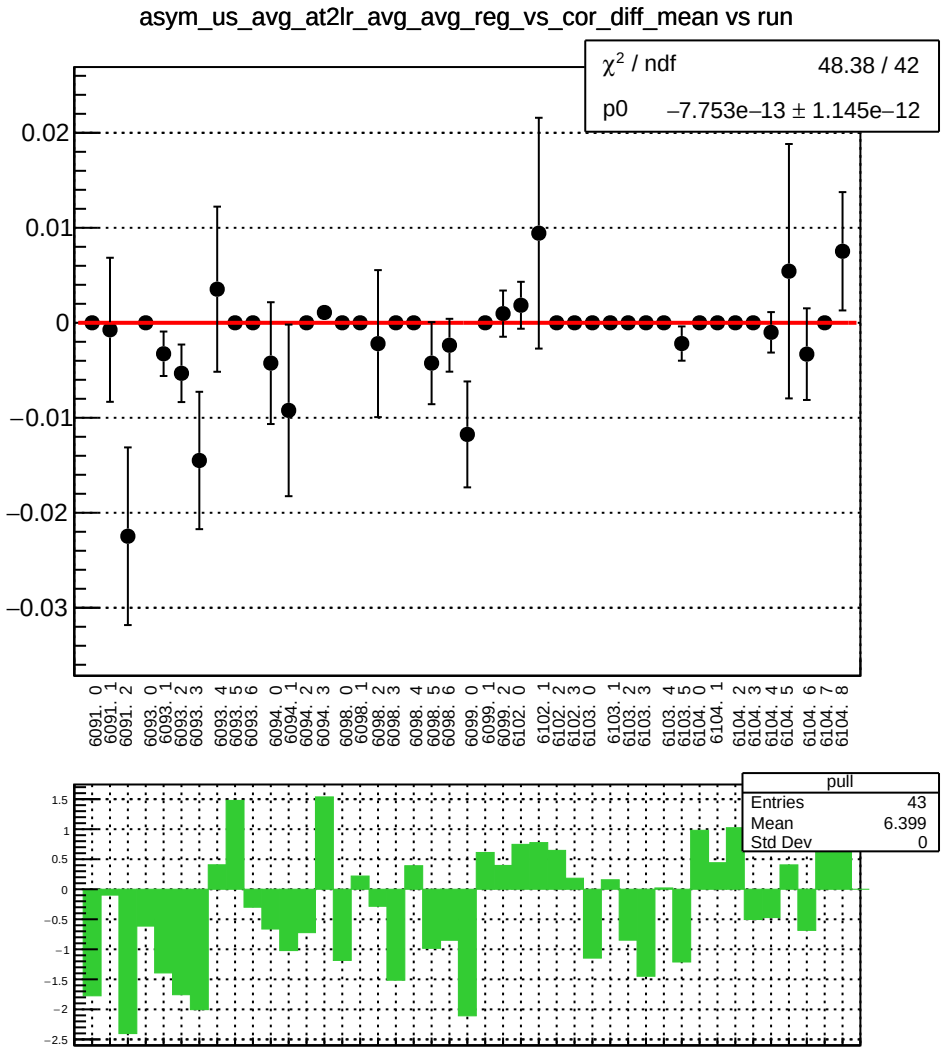

eigen_dit_asym_us_avg_at2lr_avg_avg_rms vs run
χ² / ndf 218.4 / 42
p0 2163 ± 2.378
2260
2240
2220
2200
2180
2160
2140
2120
2100
2080
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

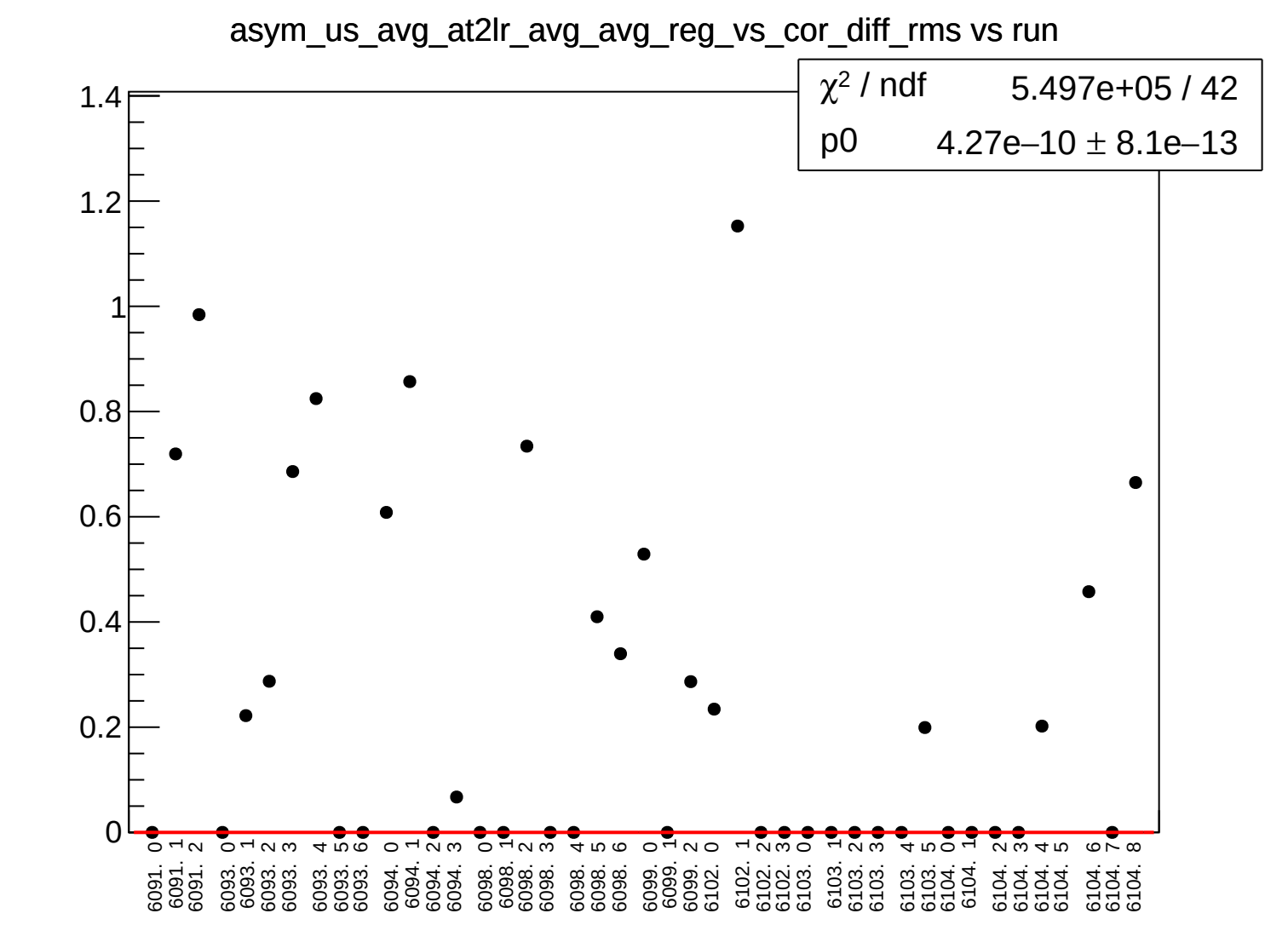

asym_us_avg_at2lr_avg_avg_eigen_dit_correction_mean vs run
×10^3
χ² / ndf 39.78 / 42
p0 6592 ± 1.196e+04
200
100
0
−100
−200
−300
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 22.69
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5
pull1D
Entries 43
Mean 0.01132
Std Dev 0.9617
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

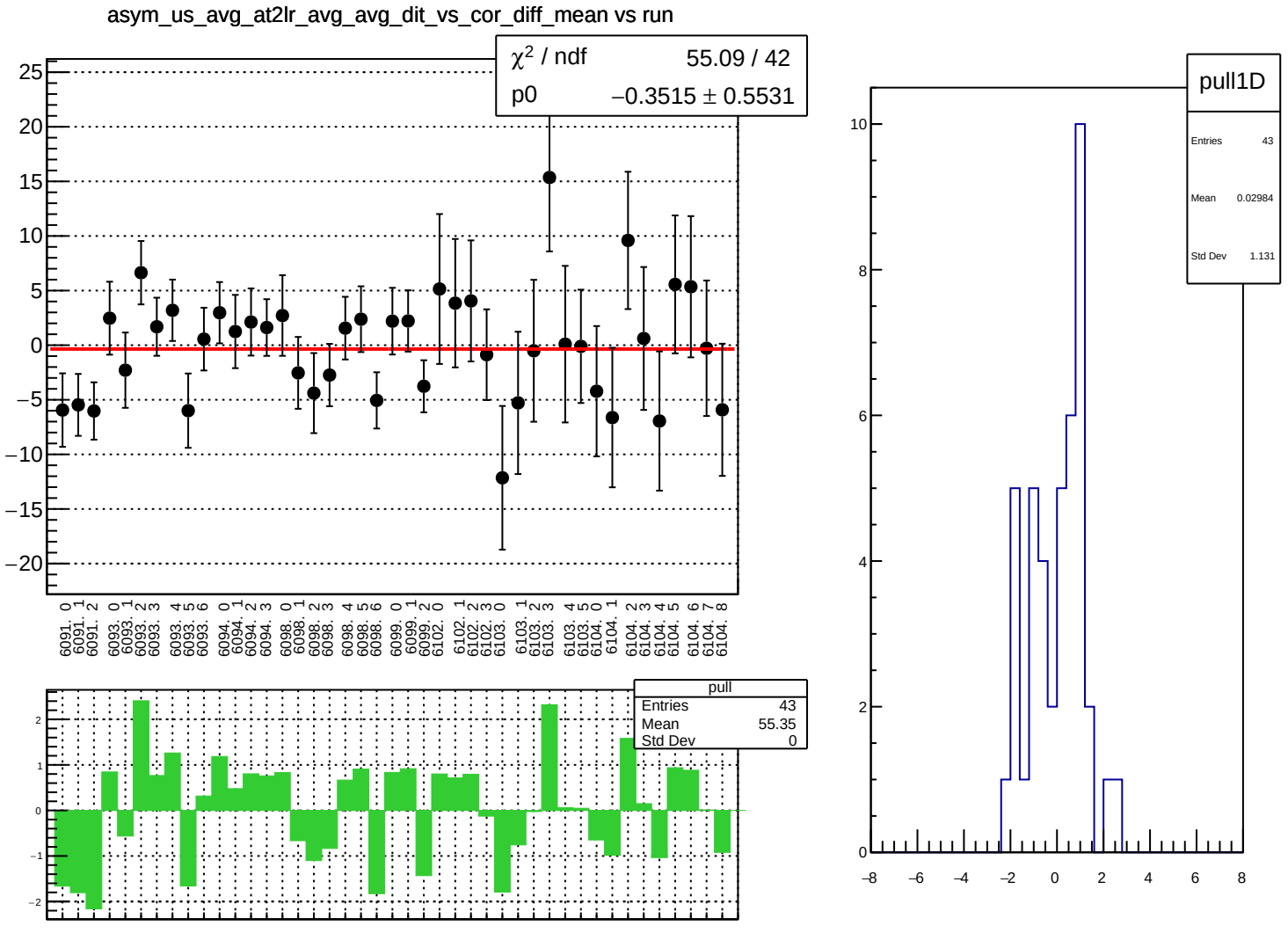

asym_us_avg_at2lr_avg_avg_eigen_dit_correction_rms vs run
χ² / ndf 3686 / 42
p0 7679 ± 8.459
9000
8500
8000
7500
7000
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

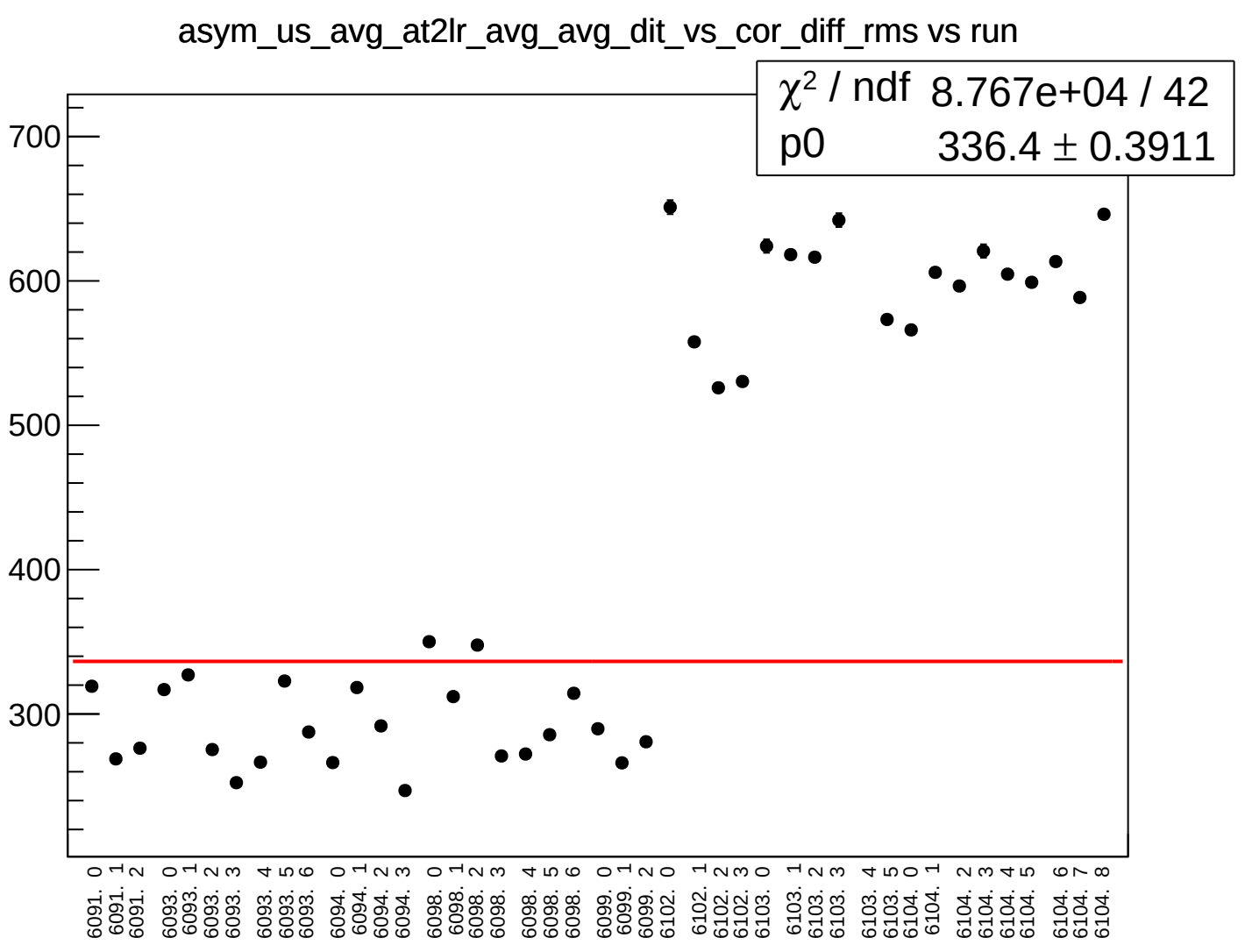

asym_us_avg_at2lr_avg_avg_mean vs run
×10^3
χ² / ndf 43.82 / 42
p0 530.3 ± 1.213e+04
300
200
100
0
−100
−200
−300
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 52.24
Std Dev 0
3
2
1
0
−1
−2
pull1D
Entries 43
Mean −0.01118
Std Dev 1.009
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

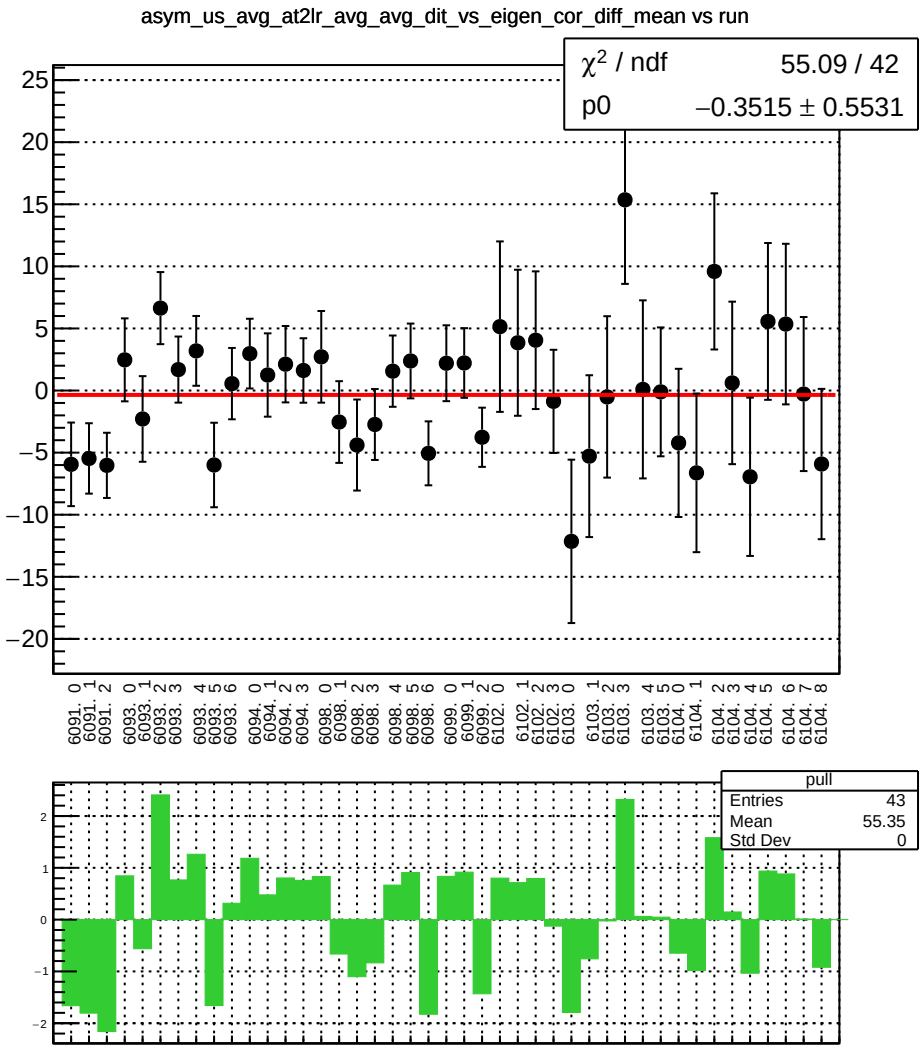

asym_us_avg_at2lr_avg_avg_rms vs run
χ² / ndf 1569 / 42
p0 7797 ± 8.578
8600
8400
8200
8000
7800
7600
7400
7200
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

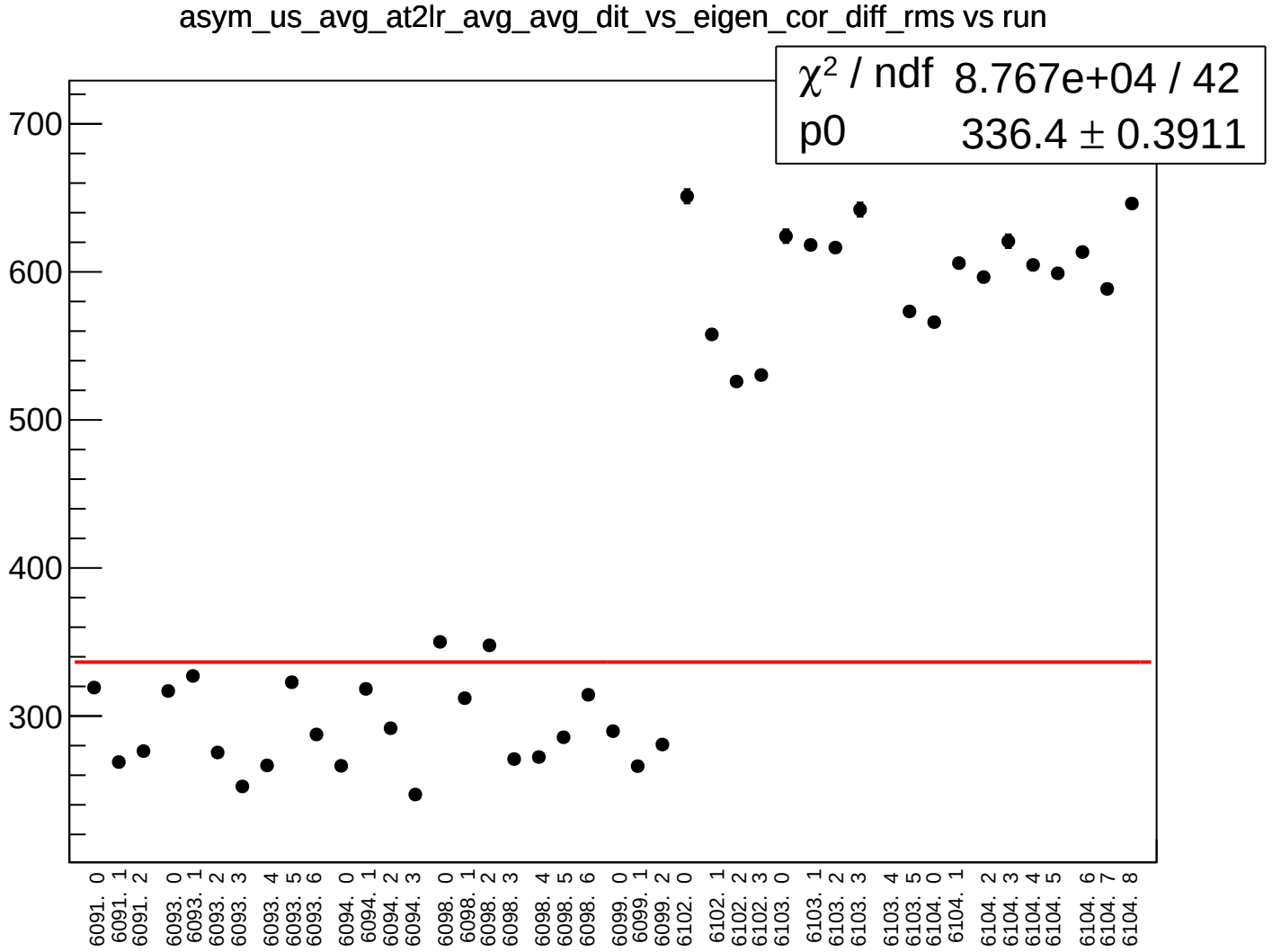

asym_us_avg_at2lr_avg_avg_reg_vs_cor_diff_mean vs run
χ² / ndf 48.38 / 42
p0 −7.753e−13 ± 1.145e−12
0.02
0.01
0
−0.01
−0.02
−0.03
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 6.399
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5
pull1D
Entries 43
Mean −0.3159
Std Dev 1.013
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

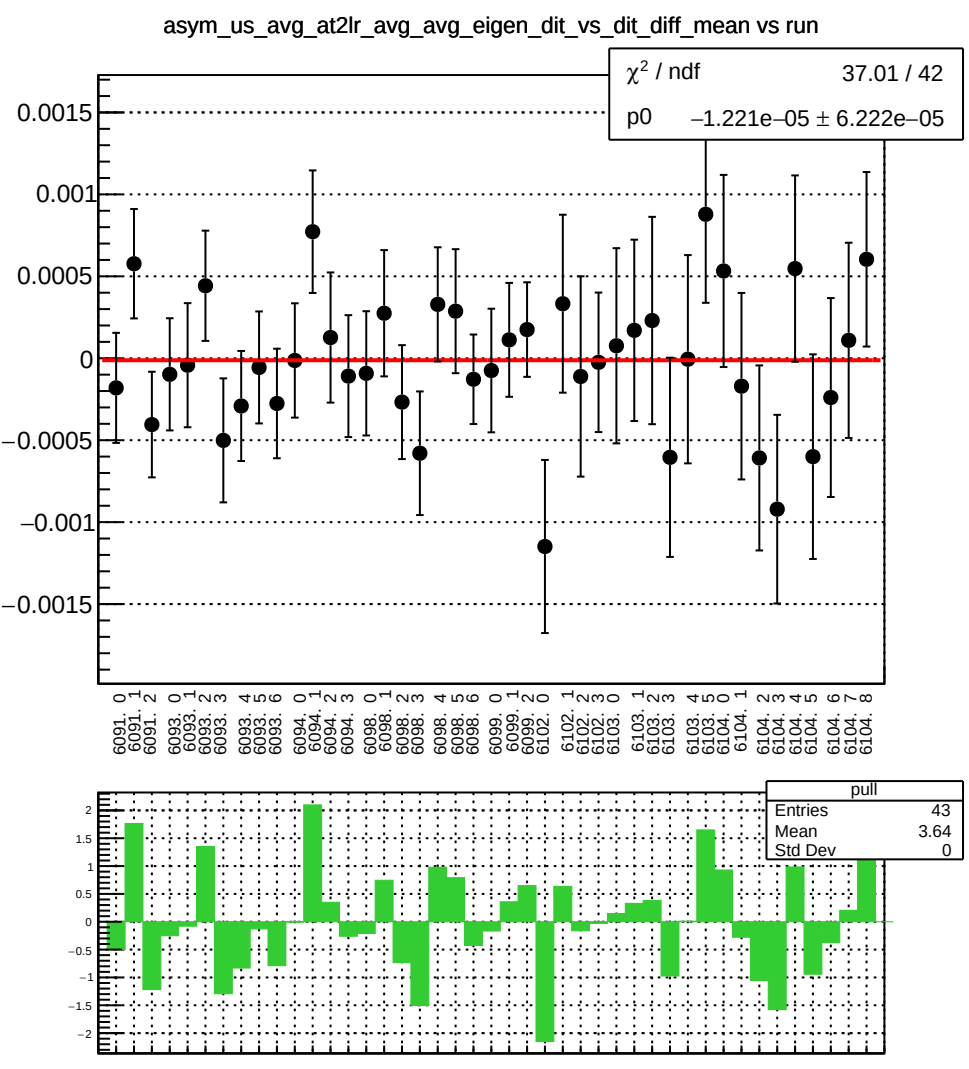

asym_us_avg_at2lr_avg_avg_reg_vs_cor_diff_rms vs run
χ² / ndf 5.497e+05 / 42
p0 4.27e−10 ± 8.1e−13
1.4
1.2
1
0.8
0.6
0.4
0.2
0
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

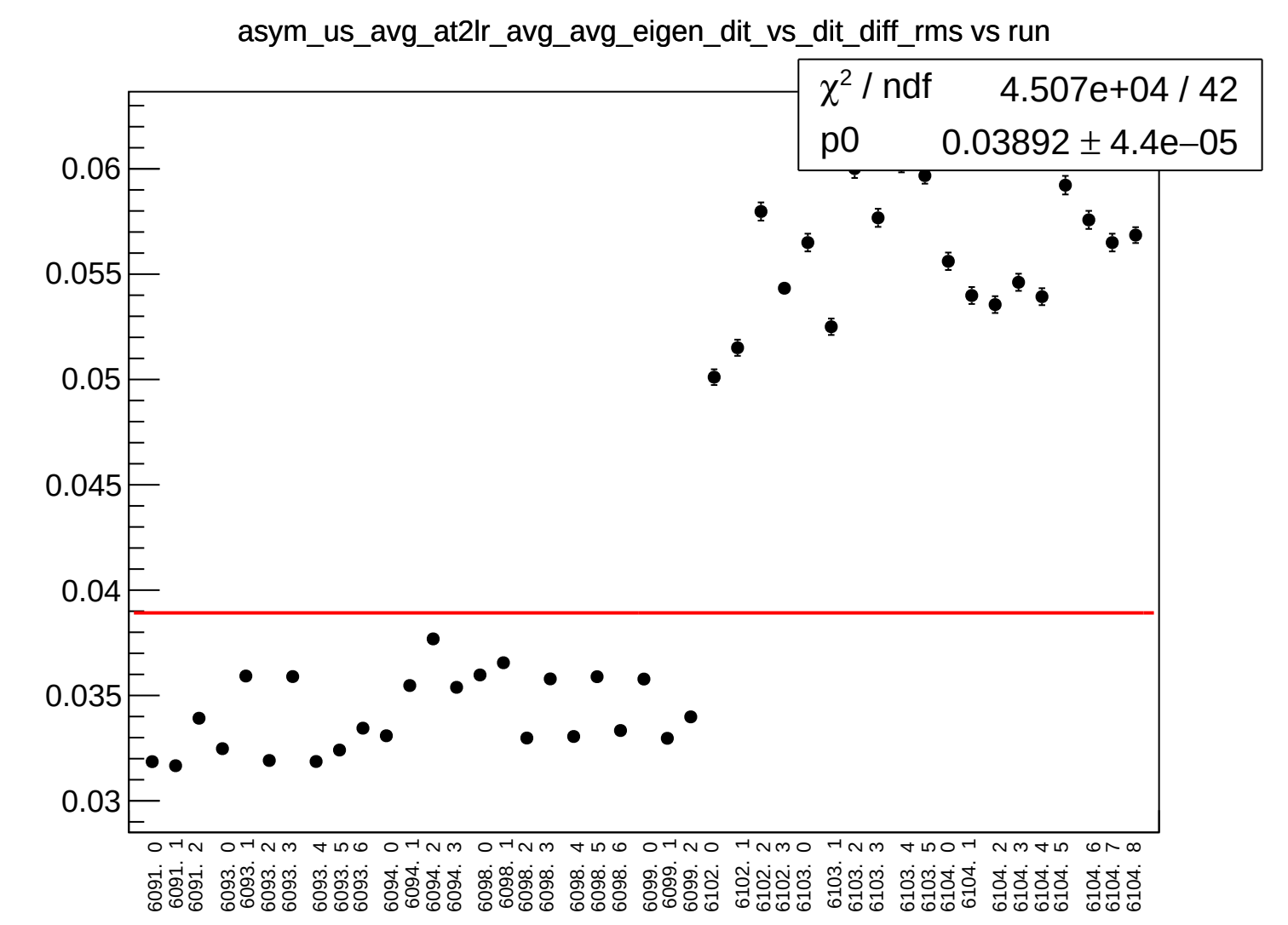

asym_us_avg_at2lr_avg_avg_dit_vs_cor_diff_mean vs run
χ² / ndf 55.09 / 42
p0 −0.3515 ± 0.5531
pull
Entries 43
Mean 55.35
Std Dev 0
pull1D
Entries 43
Mean 0.02984
Std Dev 1.131

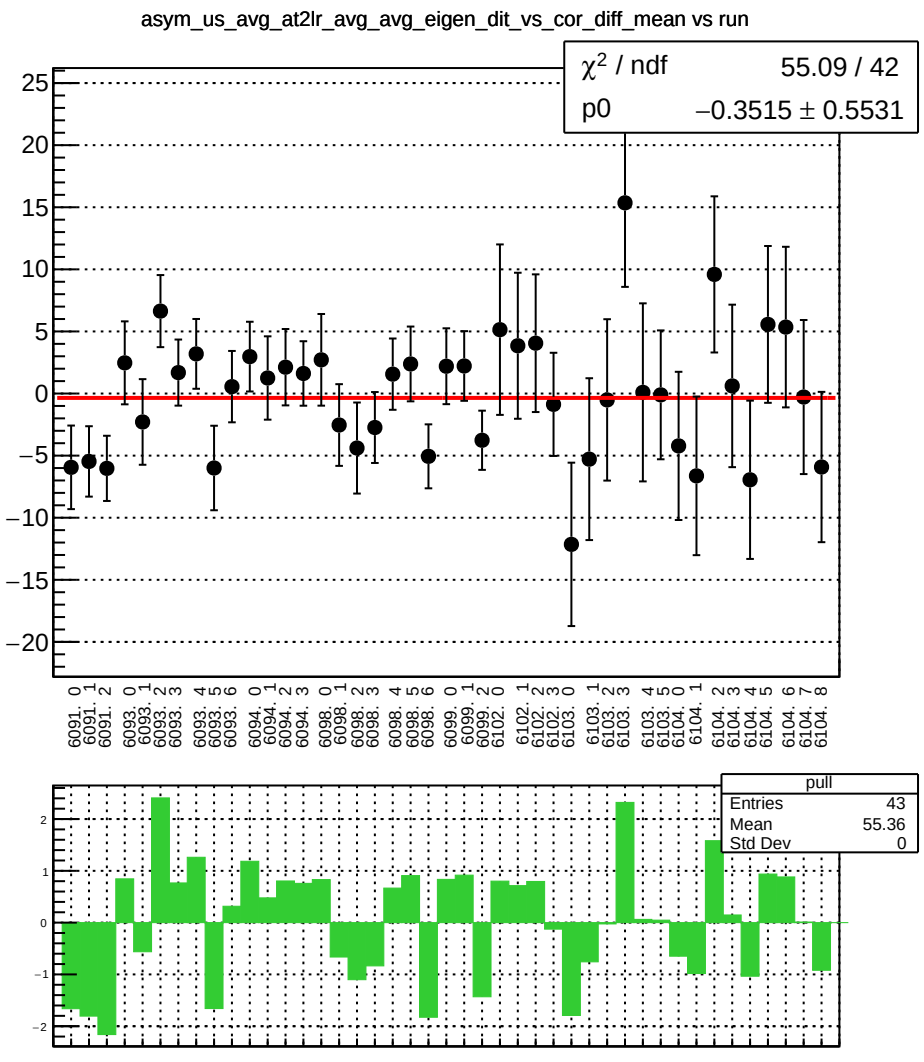

asym_us_avg_at2lr_avg_avg_dit_vs_cor_diff_rms vs run
χ² / ndf 8.767e+04 / 42
p0 336.4 ± 0.3911
700
600
500
400
300
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

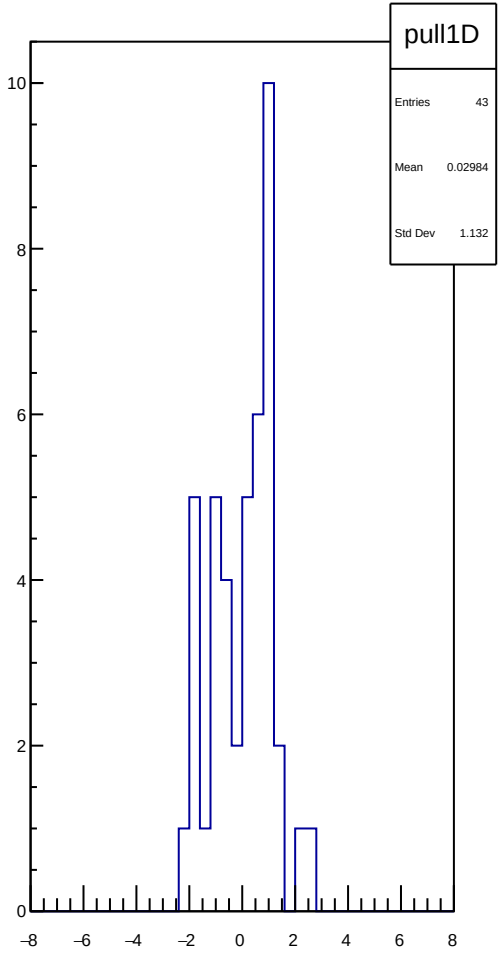

asym_us_avg_at2lr_avg_avg_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 55.09 / 42
p0 −0.3515 ± 0.5531
pull
Entries 43
Mean 55.35
Std Dev 0
pull1D
Entries 43
Mean 0.02984
Std Dev 1.131

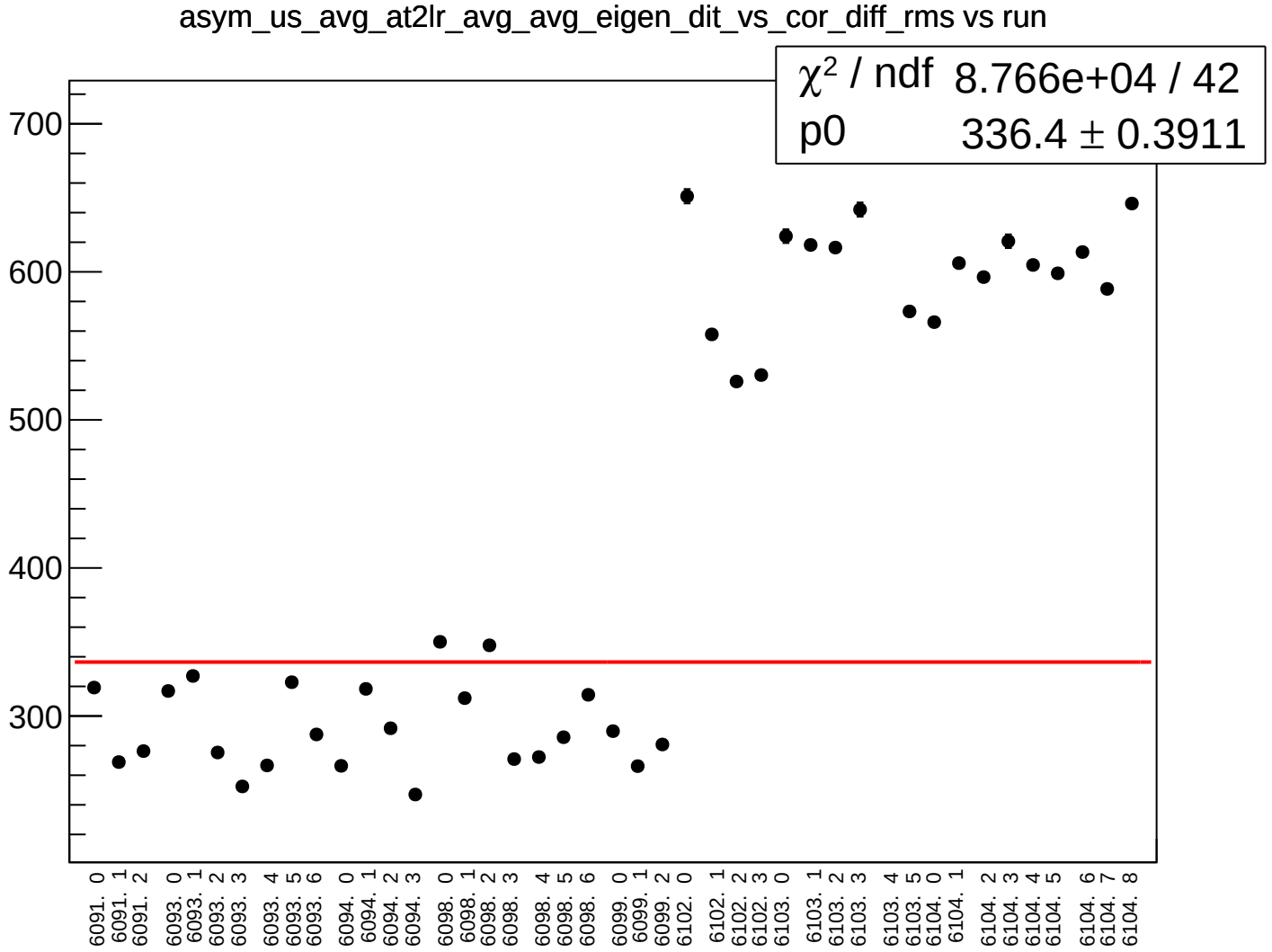

asym_us_avg_at2lr_avg_avg_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 8.767e+04 / 42
p0 336.4 ± 0.3911
700
600
500
400
300
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

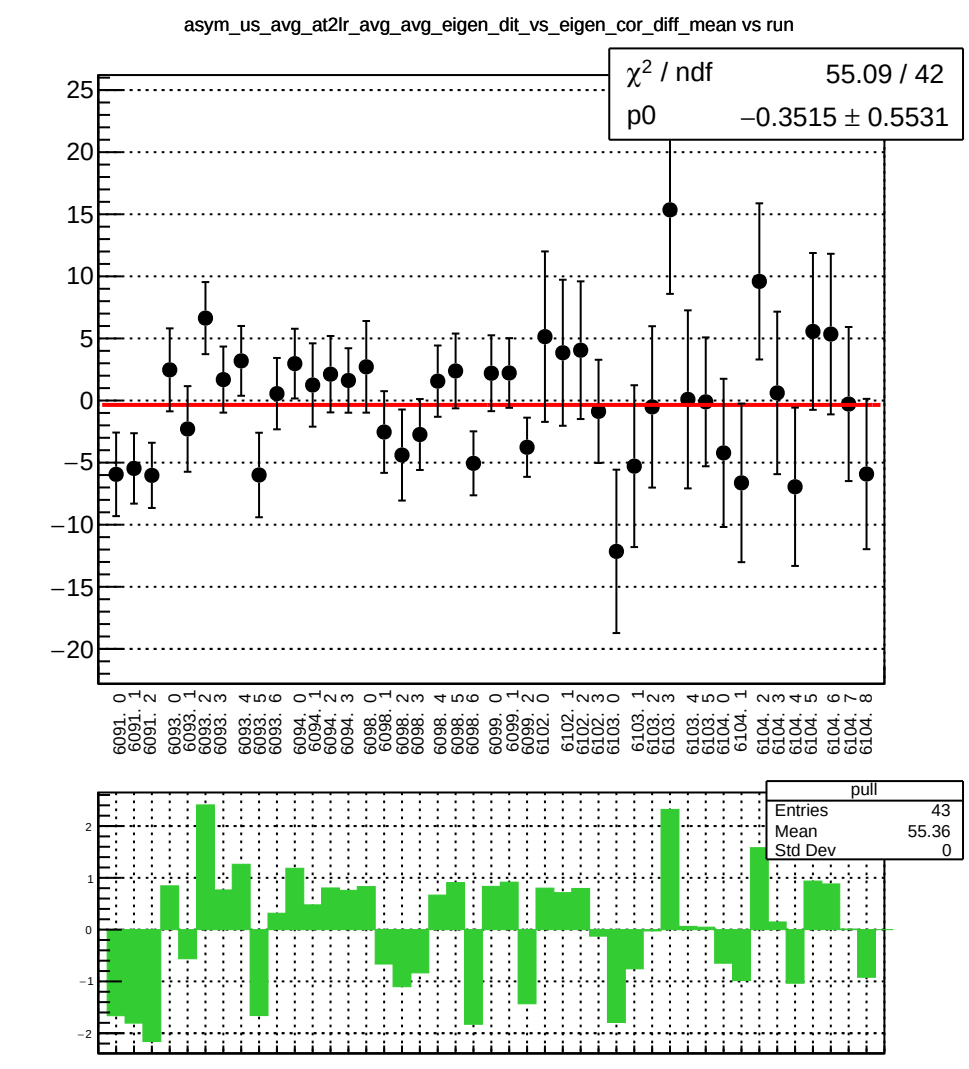

asym_us_avg_at2lr_avg_avg_eigen_dit_vs_dit_diff_mean vs run
χ² / ndf 37.01 / 42
p0 −1.221e−05 ± 6.222e−05
0.0015
0.001
0.0005
0
−0.0005
−0.001
−0.0015
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 3.64
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 43
Mean −0.009804
Std Dev 0.9277
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

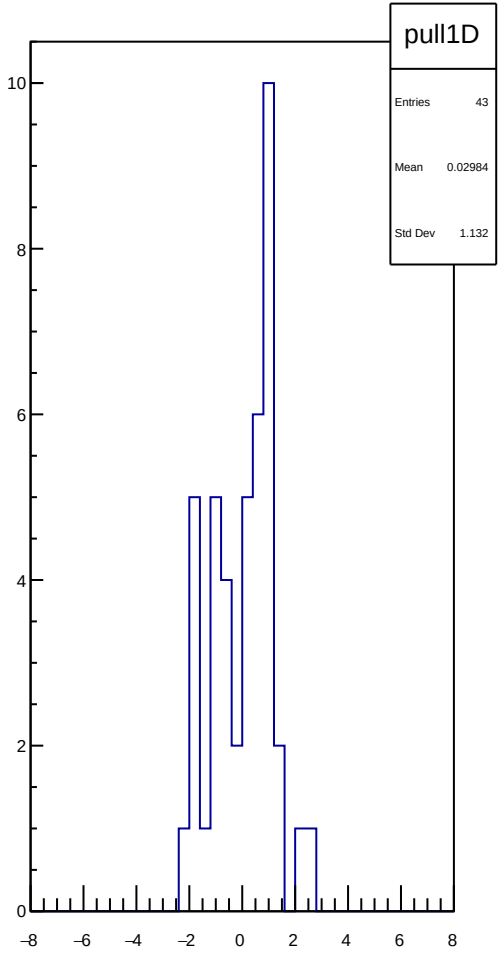

asym_us_avg_at2lr_avg_avg_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 4.507e+04 / 42
p0 0.03892 ± 4.4e−05
0.06
0.055
0.05
0.045
0.04
0.035
0.03
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

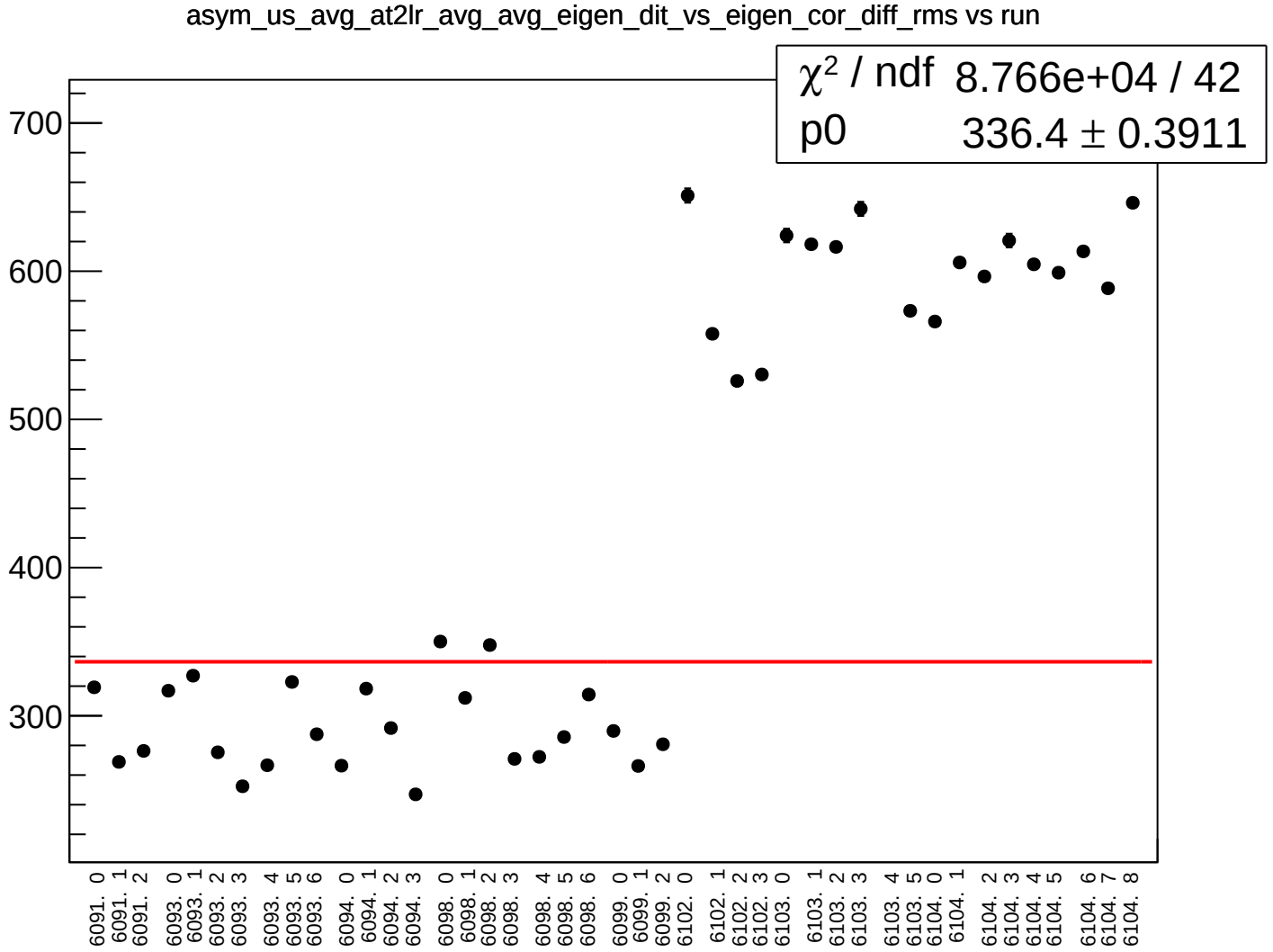

asym_us_avg_at2lr_avg_avg_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 55.09 / 42
p0 −0.3515 ± 0.5531
pull
Entries 43
Mean 55.36
Std Dev 0

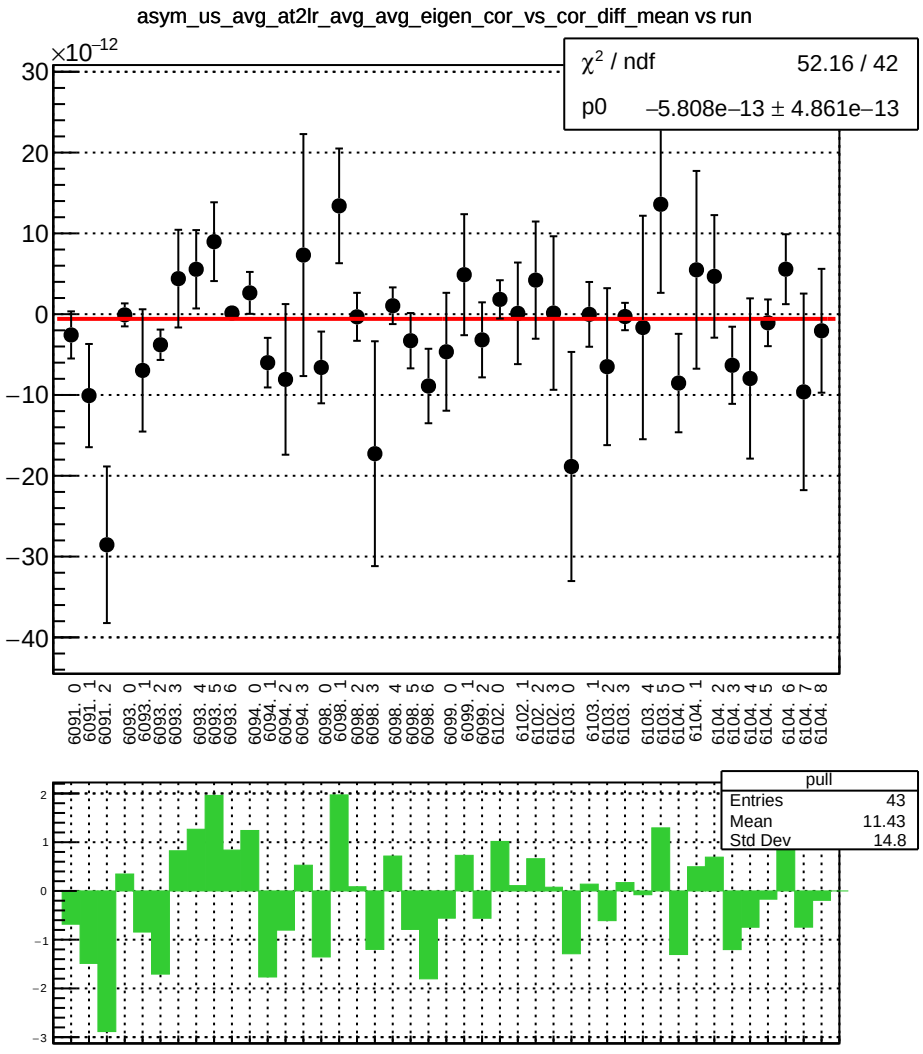

pull1D
Entries 43
Mean 0.02984
Std Dev 1.132

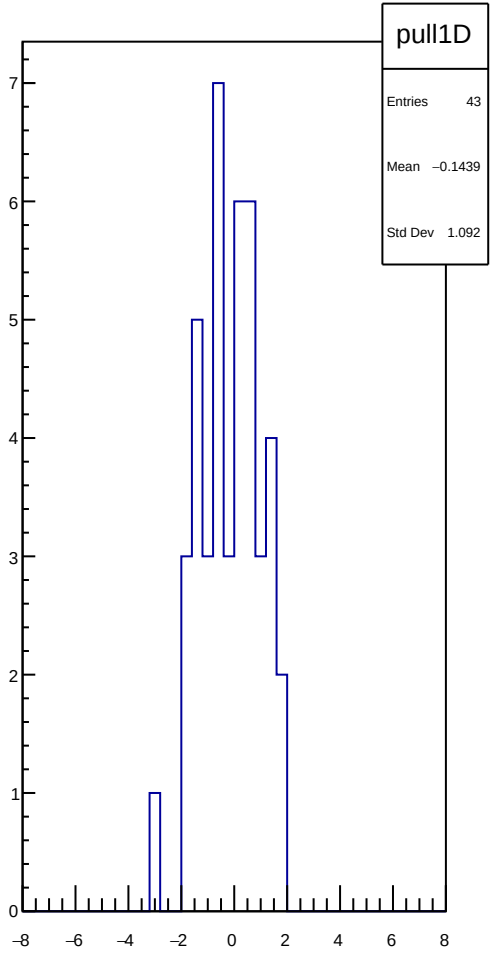

asym_us_avg_at2lr_avg_avg_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 8.766e+04 / 42
p0 336.4 ± 0.3911
700
600
500
400
300
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

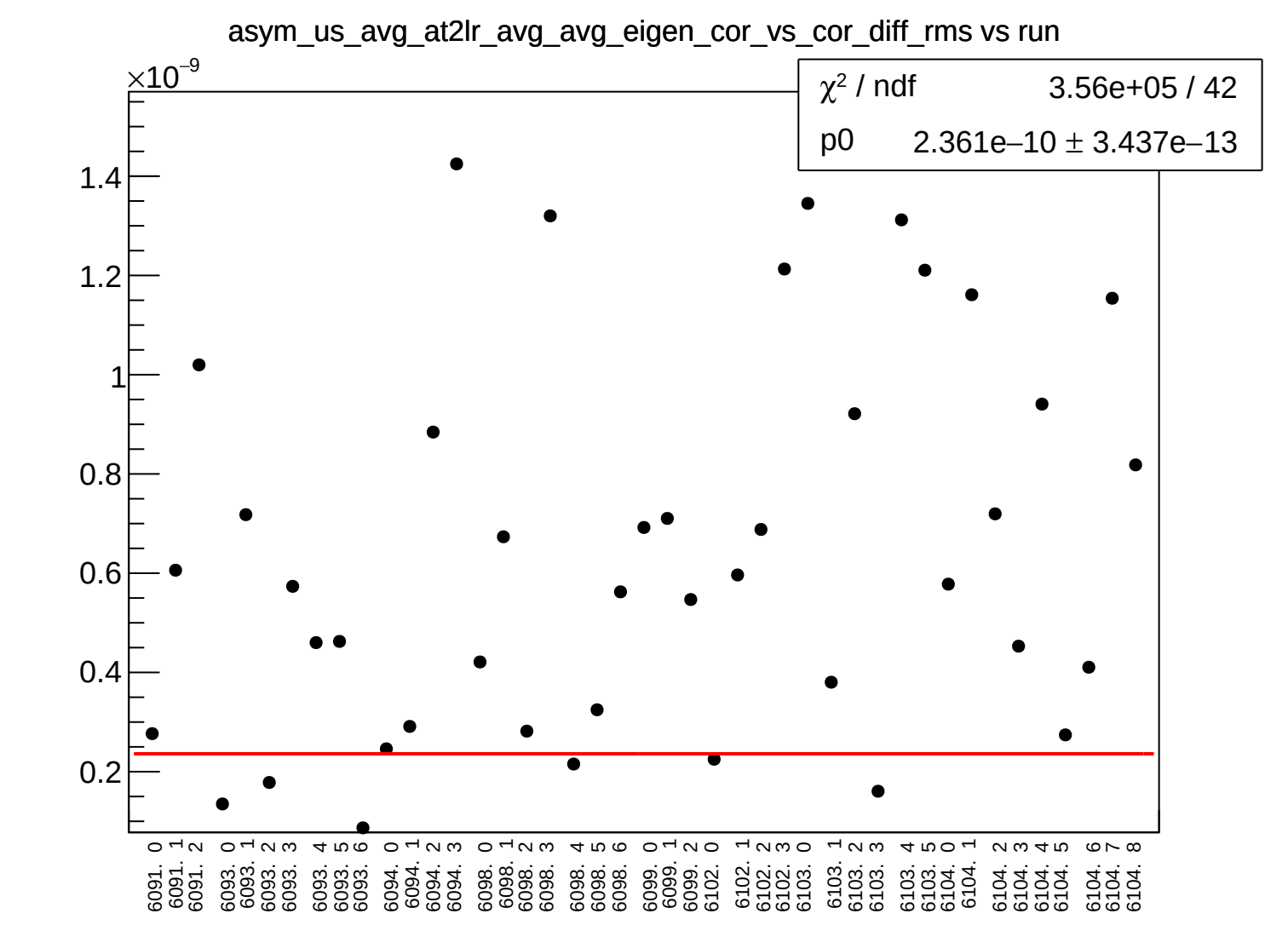

asym_us_avg_at2lr_avg_avg_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 55.09 / 42
p0 −0.3515 ± 0.5531
pull
Entries 43
Mean 55.36
Std Dev 0

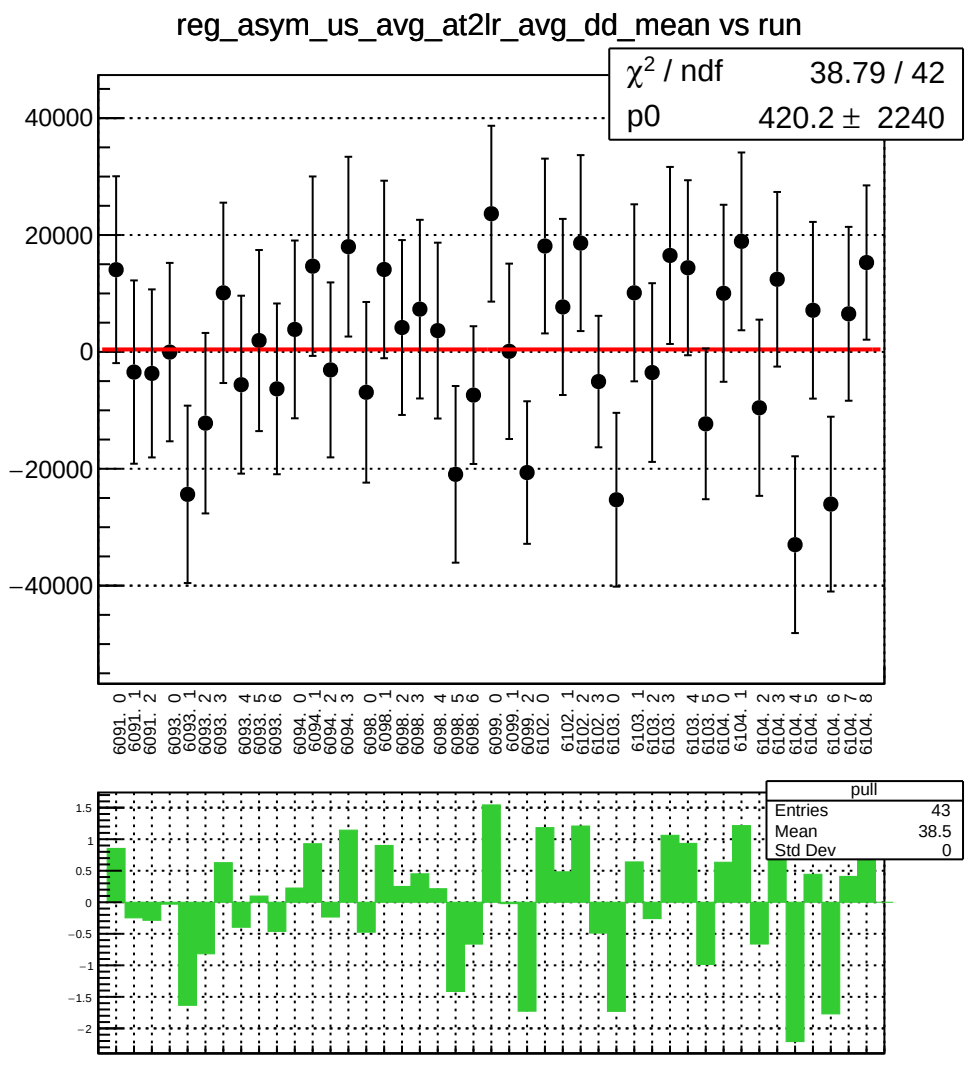

pull1D
Entries 43
Mean 0.02984
Std Dev 1.132

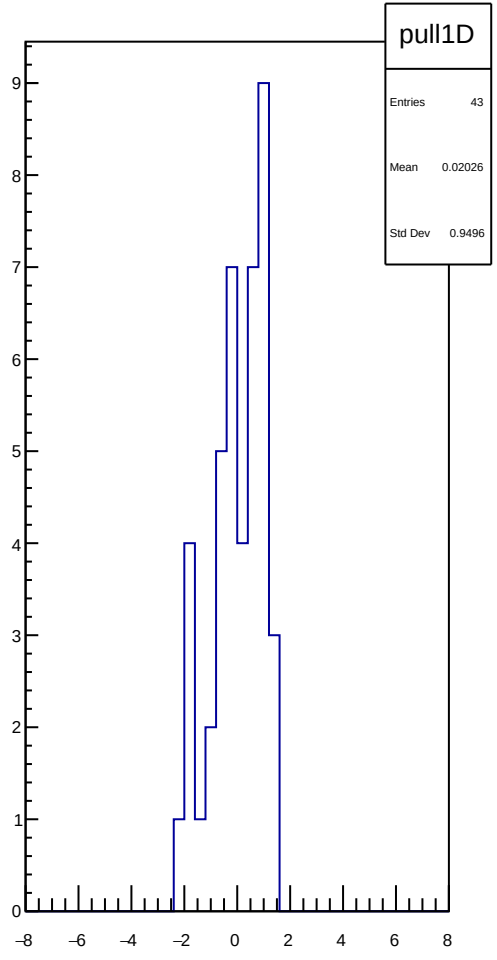

asym_us_avg_at2lr_avg_avg_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 8.766e+04 / 42
p0 336.4 ± 0.3911
700
600
500
400
300
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

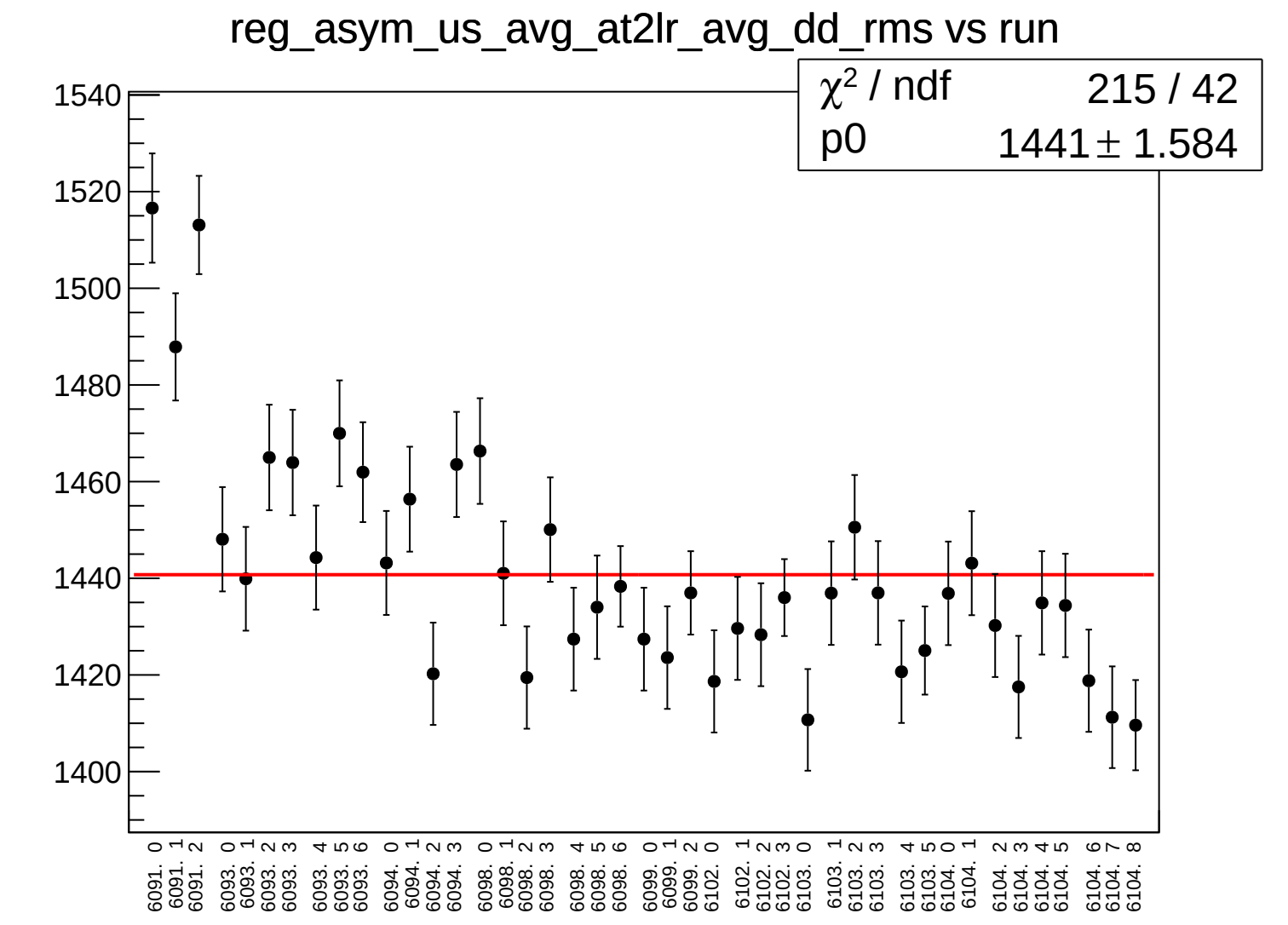

asym_us_avg_at2lr_avg_avg_eigen_cor_vs_cor_diff_mean vs run
×10−12
χ2 / ndf 52.16 / 42
p0 −5.808e−13 ± 4.861e−13
pull
Entries 43
Mean 11.43
Std Dev 14.8

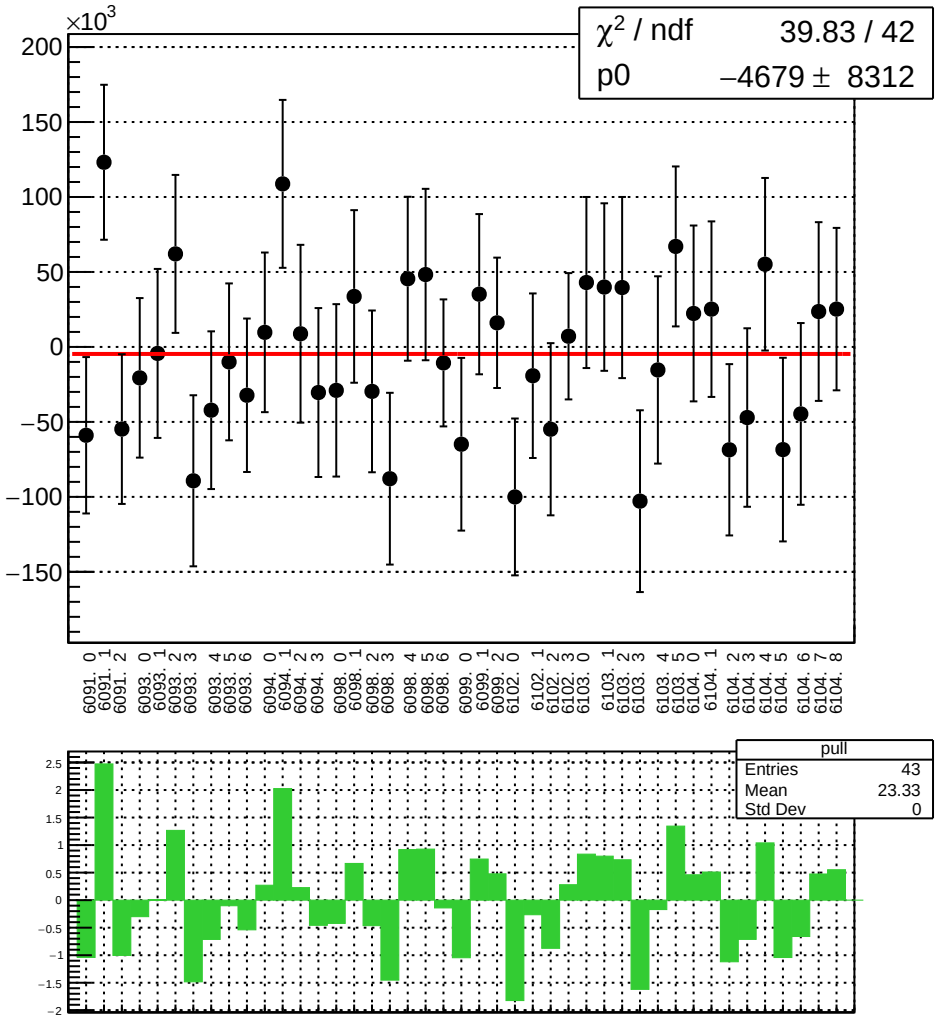

pull1D
Entries 43
Mean −0.1439
Std Dev 1.092

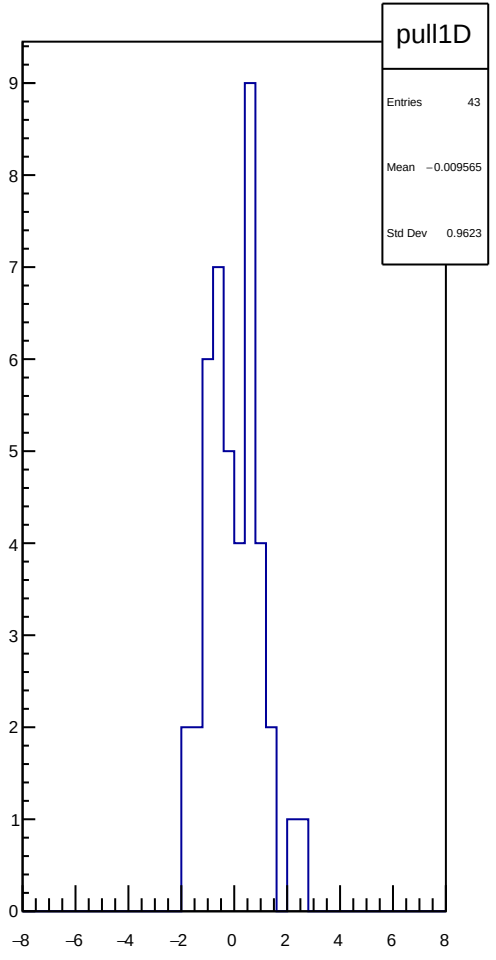

asym_us_avg_at2lr_avg_avg_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 3.56e+05 / 42
p0 2.361e−10 ± 3.437e−13
1.4
1.2
1
0.8
0.6
0.4
0.2
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

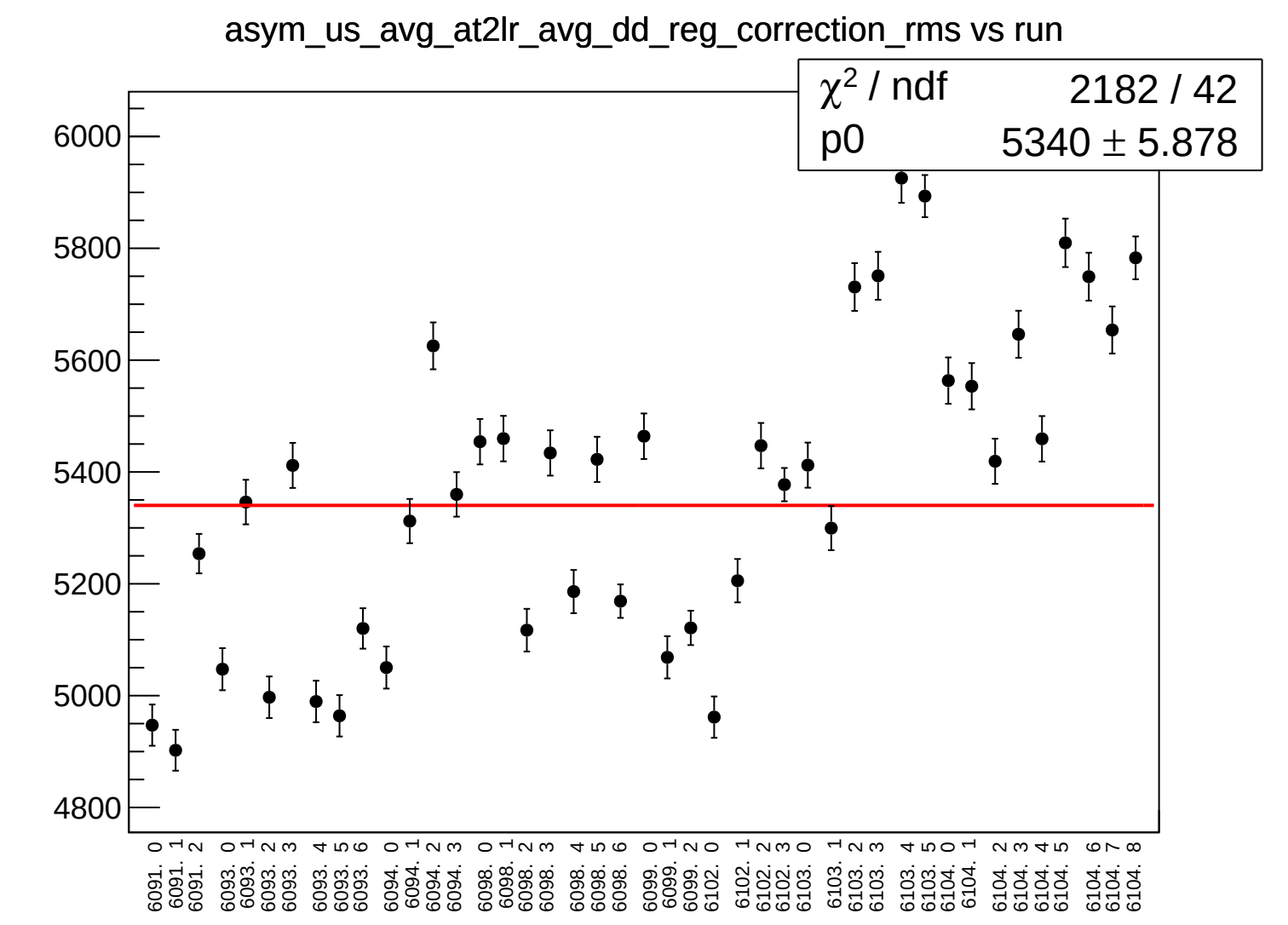

reg_asym_us_avg_at2lr_avg_dd_mean vs run
χ² / ndf 38.79 / 42
p0 420.2 ± 2240
40000
20000
0
−20000
−40000
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 38.5
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2

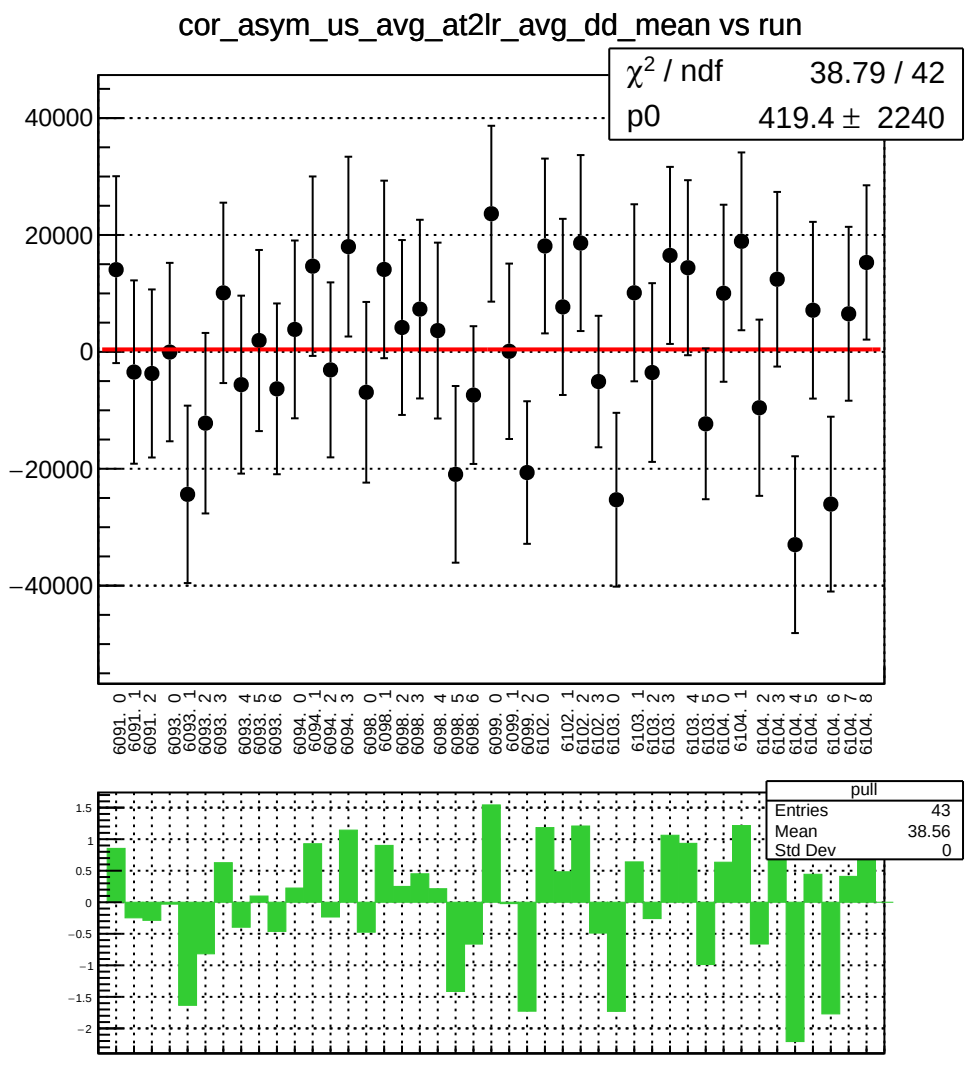

pull1D
Entries 43
Mean 0.02026
Std Dev 0.9496
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

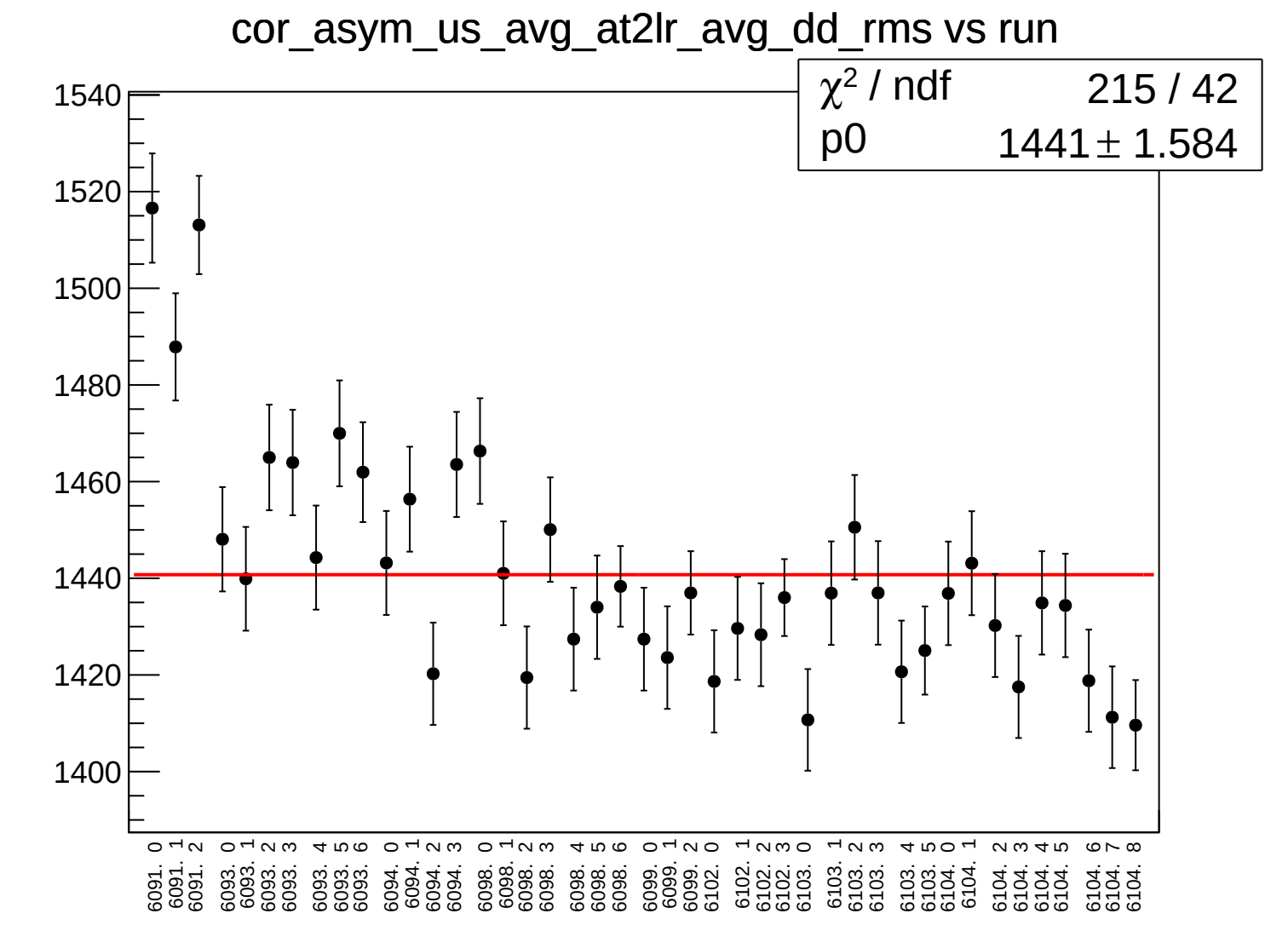

reg_asym_us_avg_at2lr_avg_dd_rms vs run
χ² / ndf 215 / 42
p0 1441 ± 1.584
1540
1520
1500
1480
1460
1440
1420
1400
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

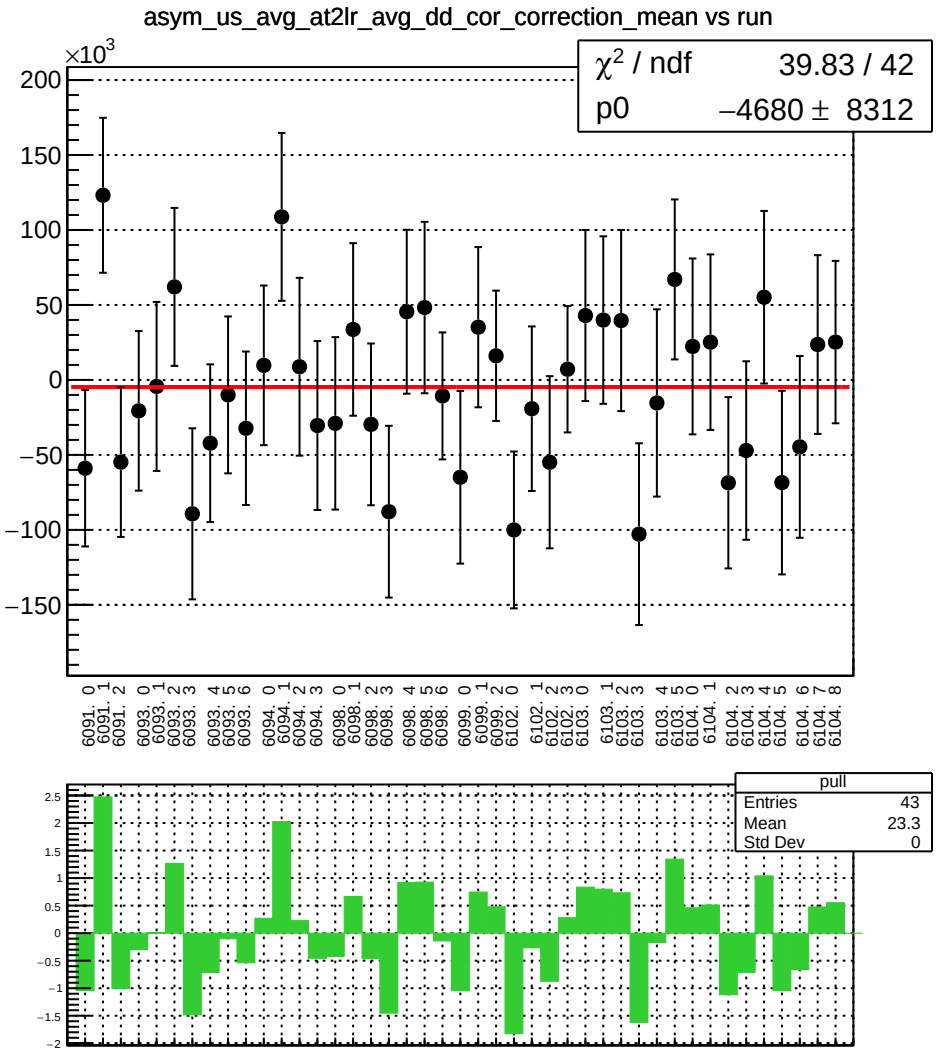

asym_us_avg_at2lr_avg_dd_reg_correction_mean vs run
×10^3
χ² / ndf 39.83 / 42
p0 −4679 ± 8312
pull
Entries 43
Mean 23.33
Std Dev 0

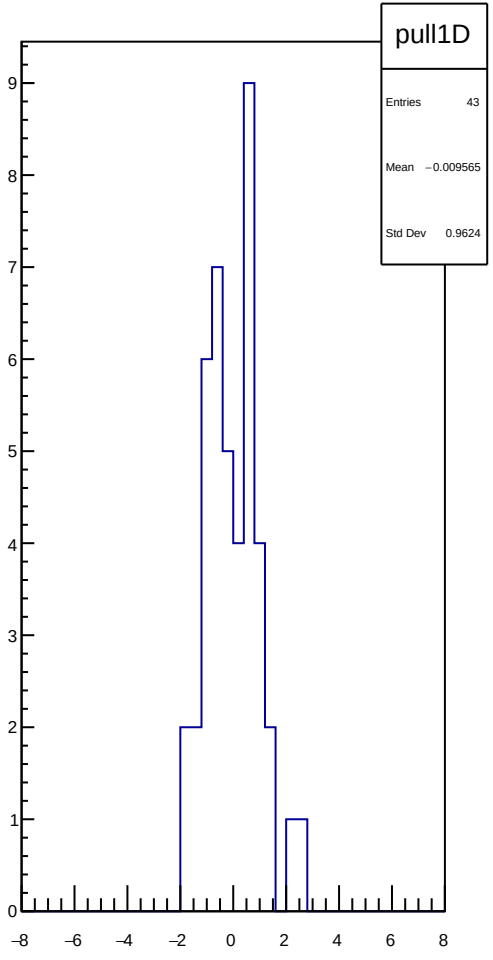

pull1D
Entries 43
Mean −0.009565
Std Dev 0.9623

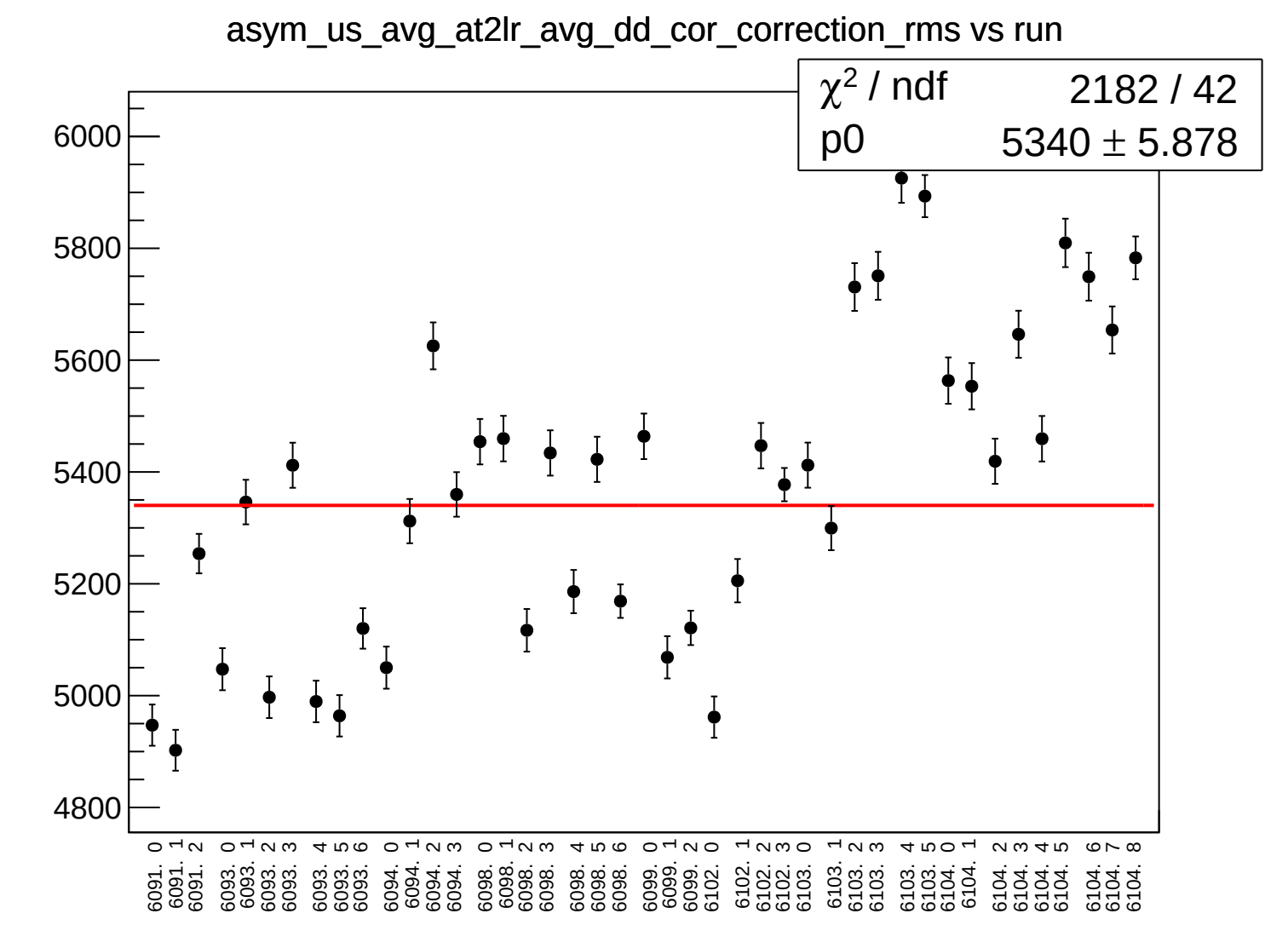

asym_us_avg_at2lr_avg_dd_reg_correction_rms vs run
χ² / ndf 2182 / 42
p0 5340 ± 5.878
6000
5800
5600
5400
5200
5000
4800
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

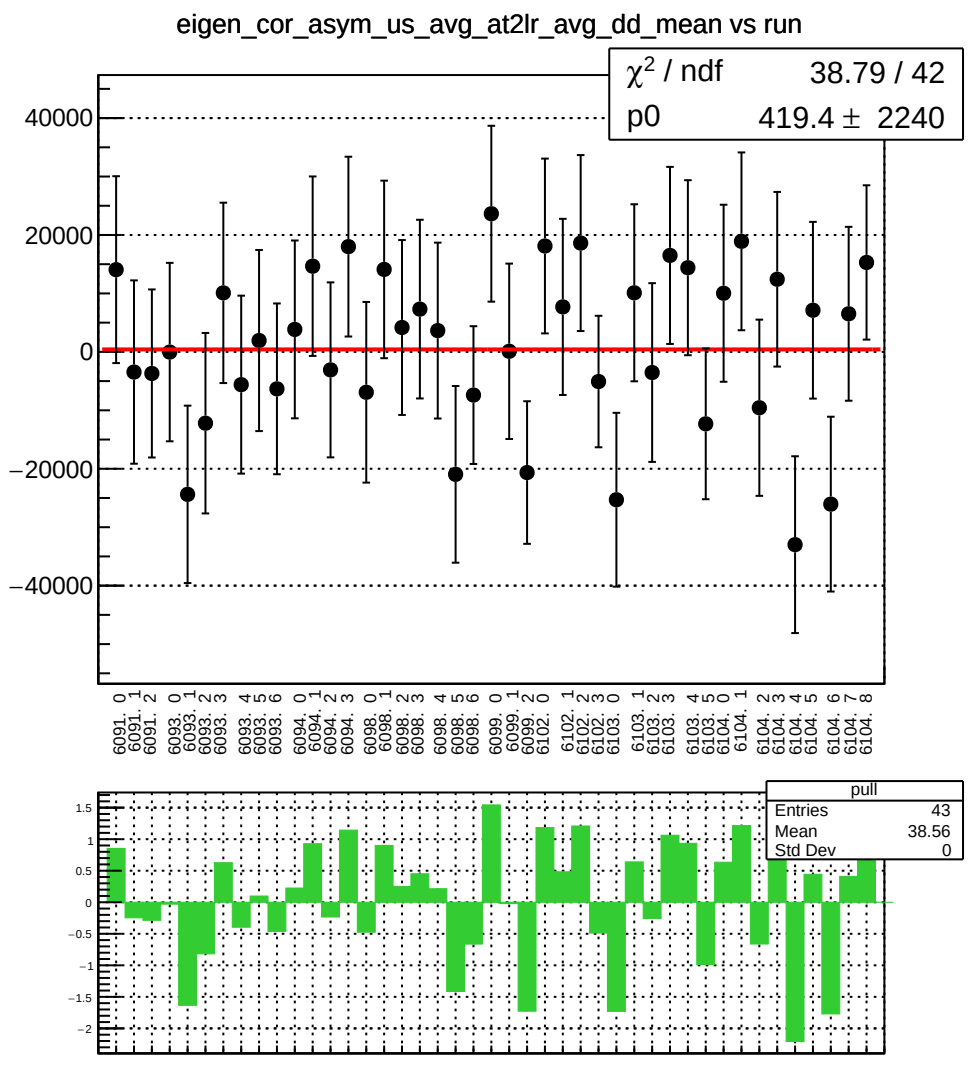

cor_asym_us_avg_at2lr_avg_dd_mean vs run
χ² / ndf 38.79 / 42
p0 419.4 ± 2240
40000
20000
0
−20000
−40000
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 38.56
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 43
Mean 0.02025
Std Dev 0.9496
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

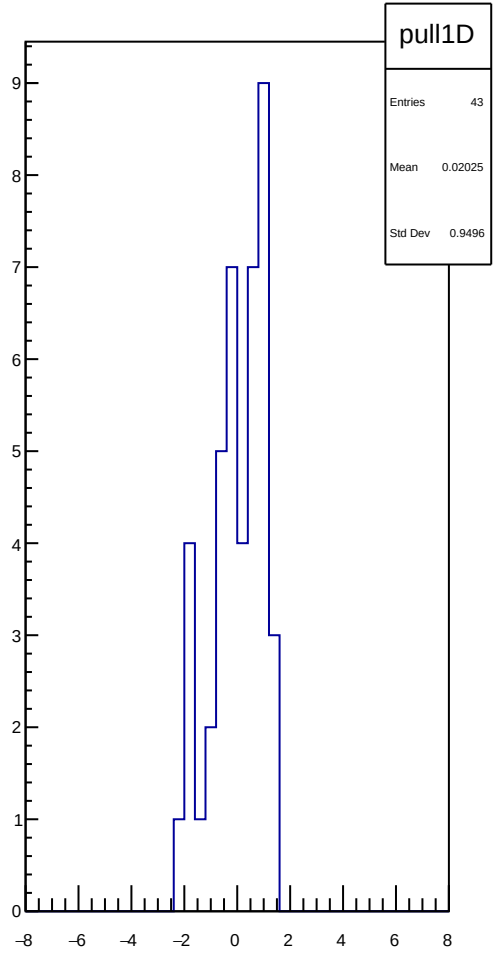

cor_asym_us_avg_at2lr_avg_dd_rms vs run
χ² / ndf 215 / 42
p0 1441 ± 1.584
1540
1520
1500
1480
1460
1440
1420
1400
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

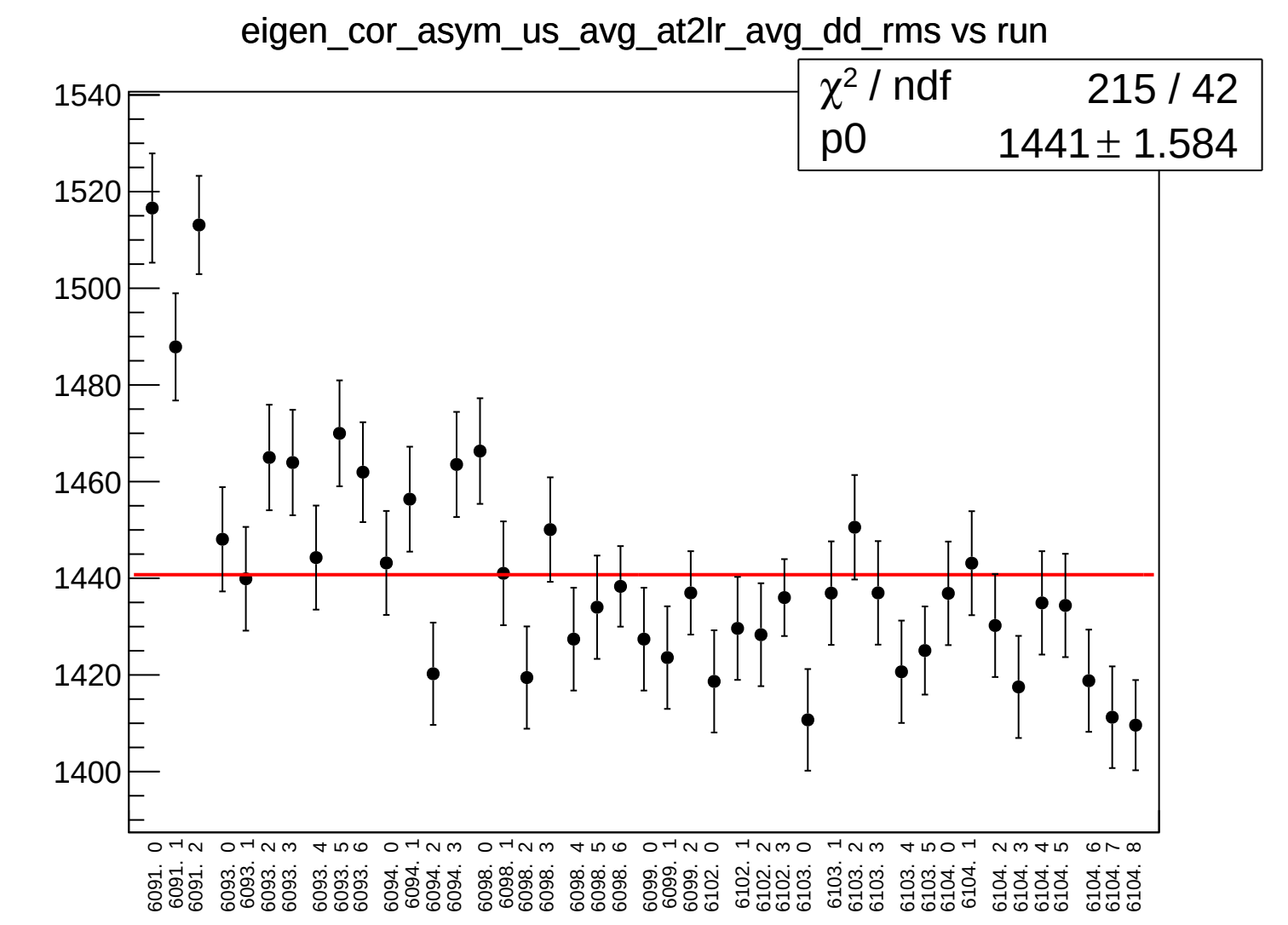

asym_us_avg_at2lr_avg_dd_cor_correction_mean vs run
×10^3
χ² / ndf 39.83 / 42
p0 −4680 ± 8312
pull
Entries 43
Mean 23.3
Std Dev 0

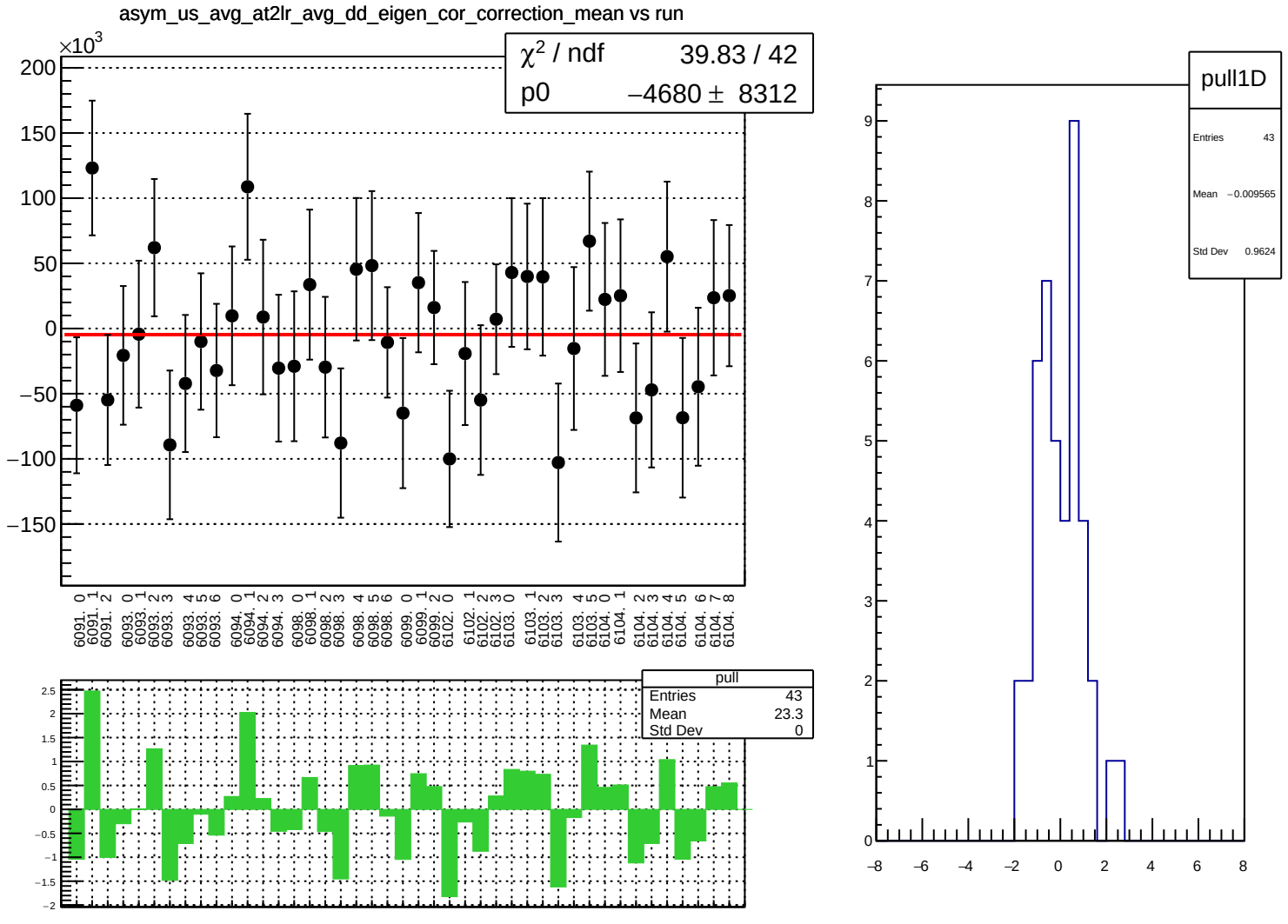

pull1D
Entries 43
Mean −0.009565
Std Dev 0.9624

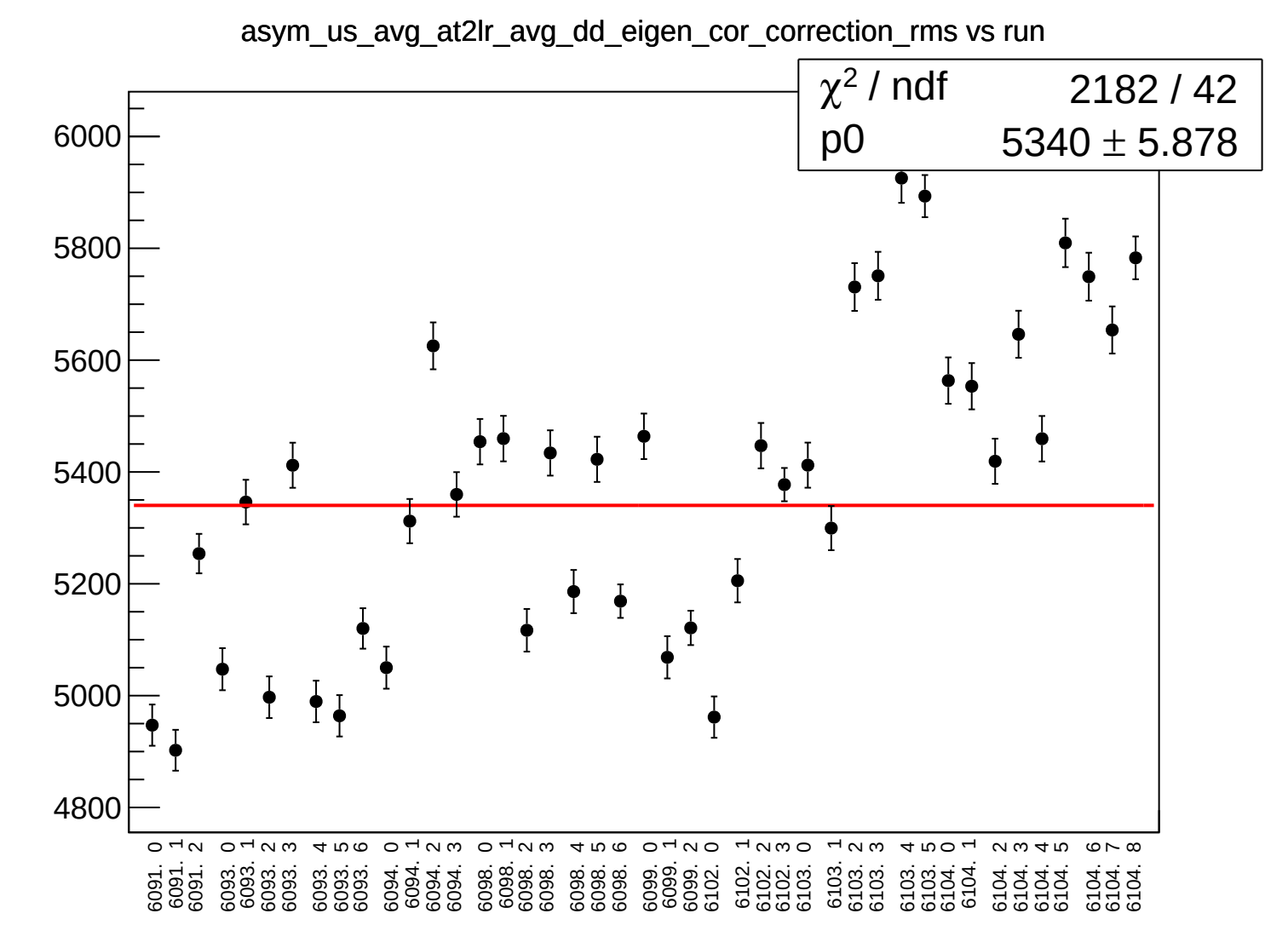

asym_us_avg_at2lr_avg_dd_cor_correction_rms vs run
χ² / ndf 2182 / 42
p0 5340 ± 5.878
6000
5800
5600
5400
5200
5000
4800
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

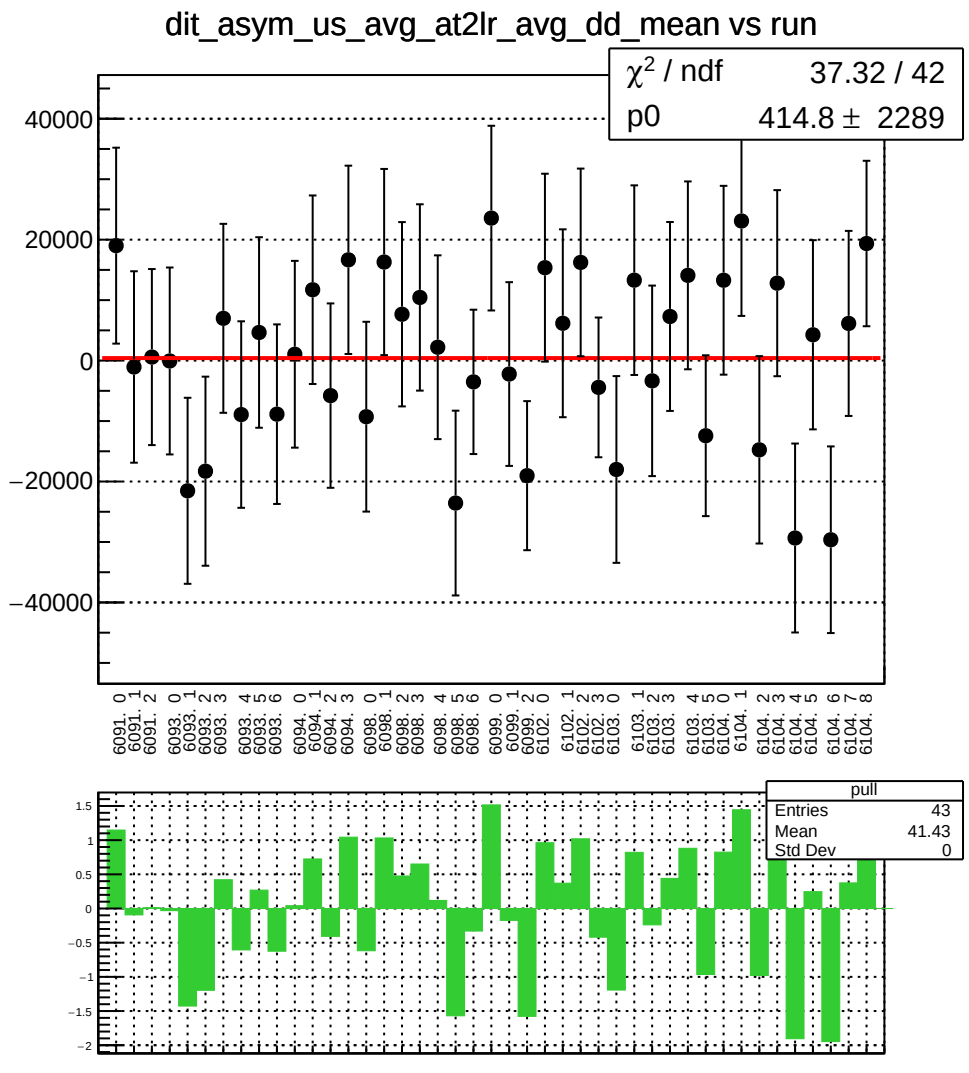

eigen_cor_asym_us_avg_at2lr_avg_dd_mean vs run
χ² / ndf 38.79 / 42
p0 419.4 ± 2240
40000
20000
0
−20000
−40000
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 38.56
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2

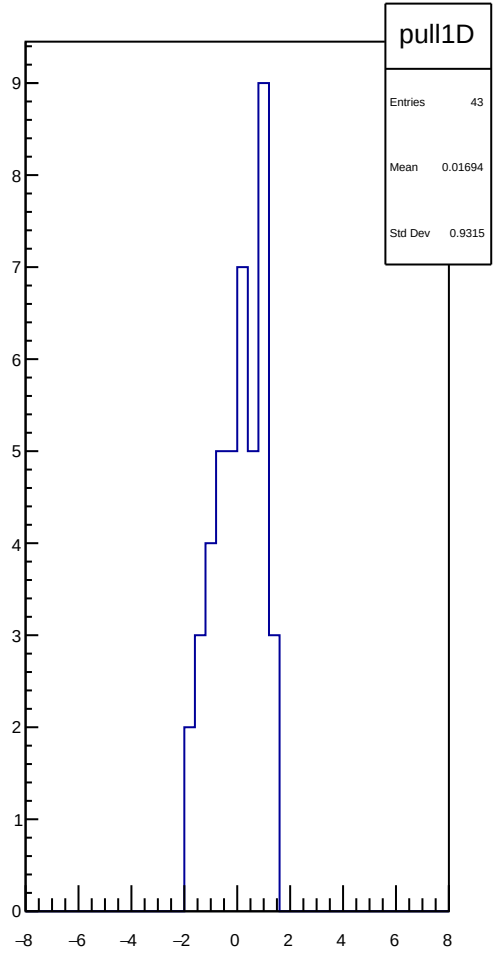

pull1D
Entries 43
Mean 0.02025
Std Dev 0.9496
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

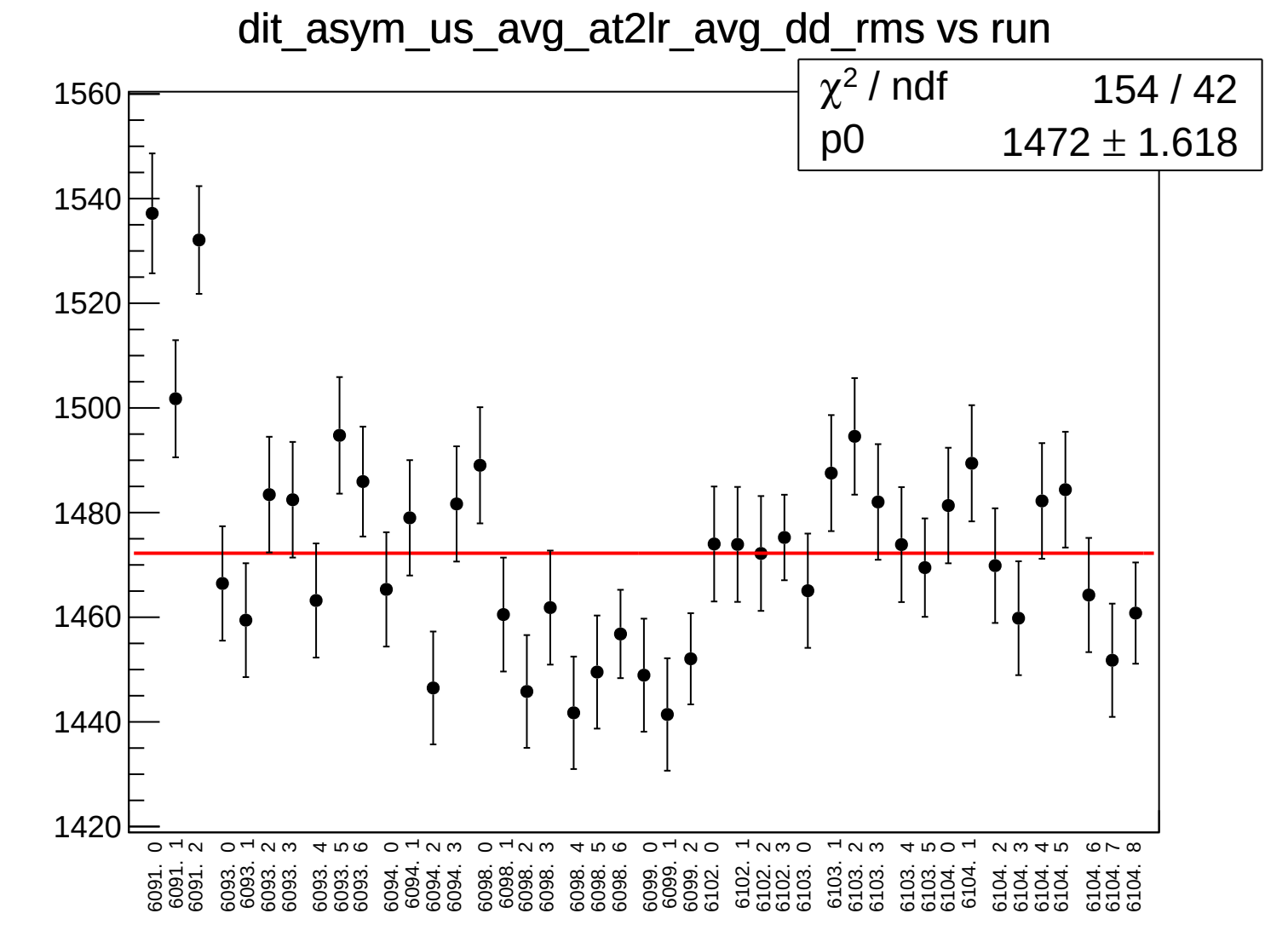

eigen_cor_asym_us_avg_at2lr_avg_dd_rms vs run
χ² / ndf 215 / 42
p0 1441 ± 1.584
1540
1520
1500
1480
1460
1440
1420
1400
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

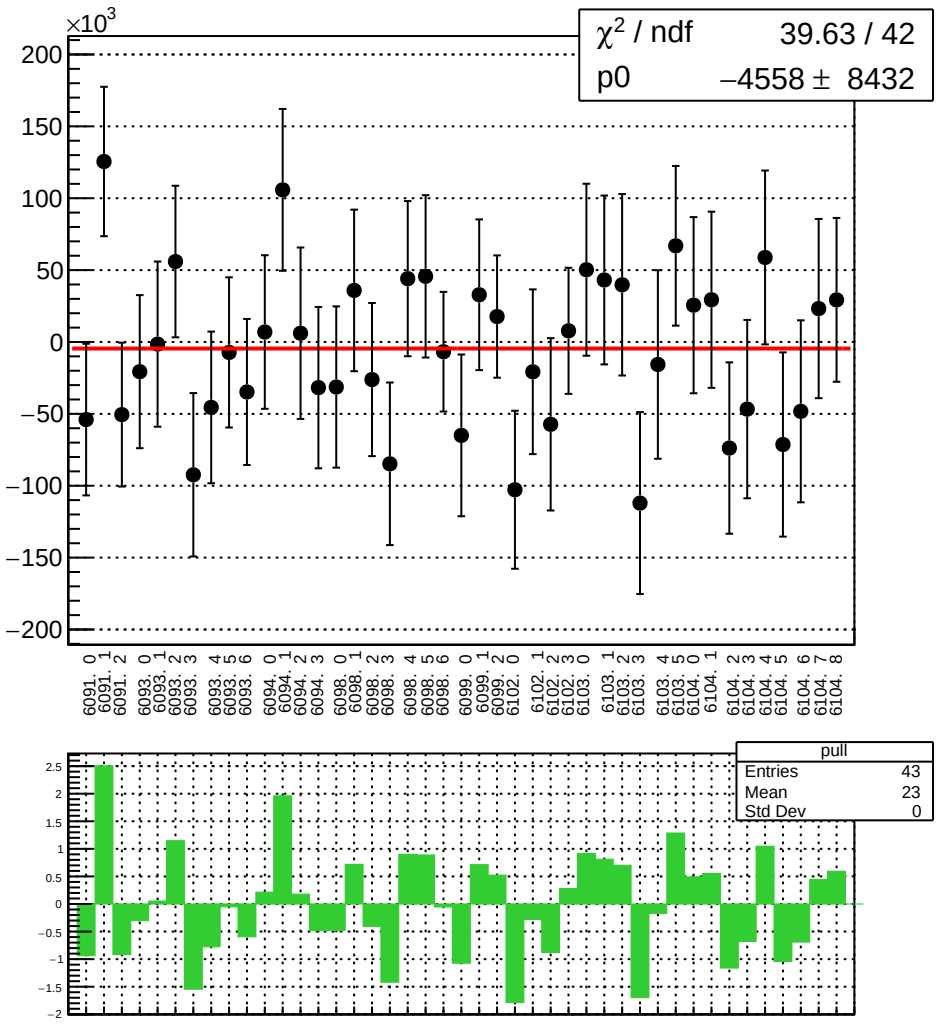

asym_us_avg_at2lr_avg_dd_eigen_cor_correction_mean vs run
×10^3
χ² / ndf 39.83 / 42
p0 −4680 ± 8312
pull
Entries 43
Mean 23.3
Std Dev 0
pull1D
Entries 43
Mean −0.009565
Std Dev 0.9624

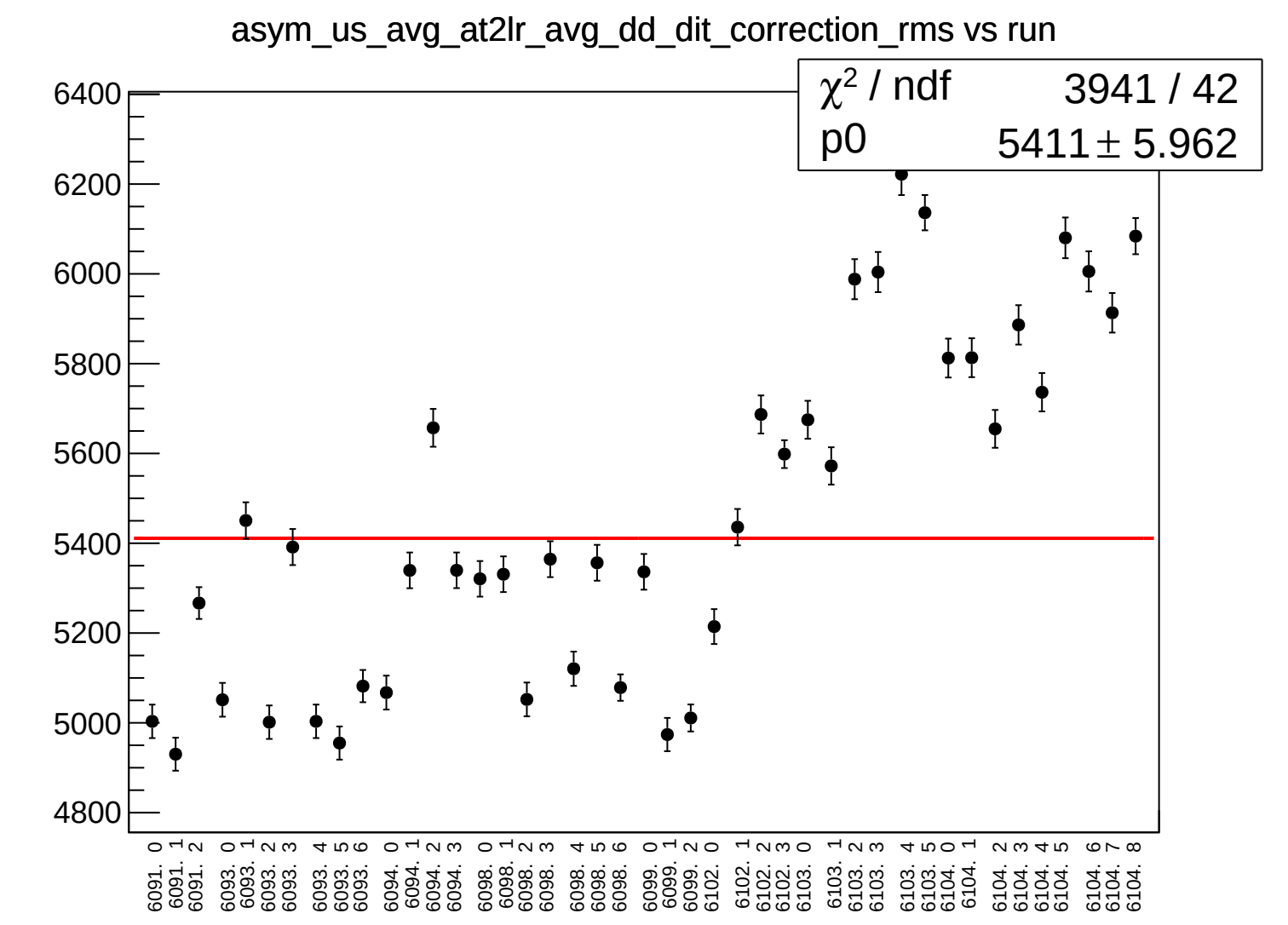

asym_us_avg_at2lr_avg_dd_eigen_cor_correction_rms vs run
χ² / ndf 2182 / 42
p0 5340 ± 5.878
6000
5800
5600
5400
5200
5000
4800
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

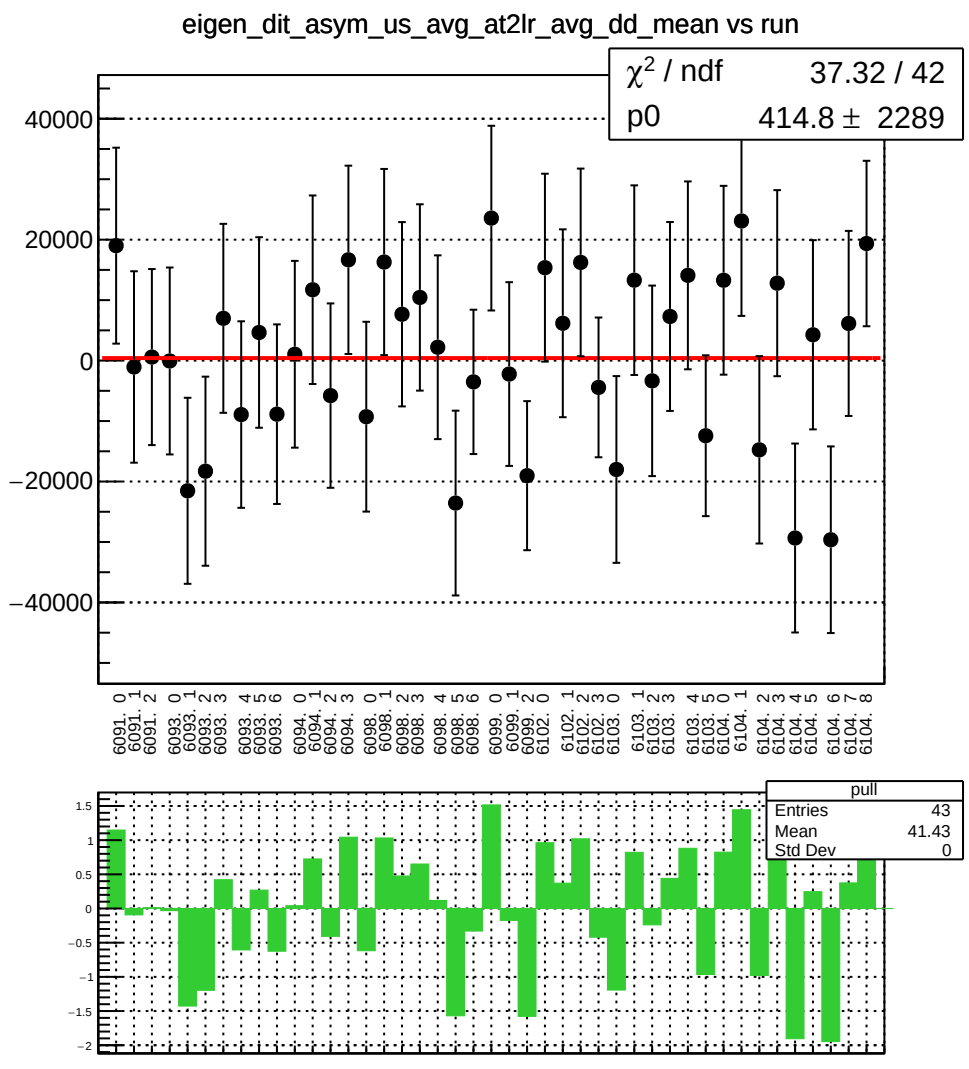

dit_asym_us_avg_at2lr_avg_dd_mean vs run
χ² / ndf 37.32 / 42
p0 414.8 ± 2289
40000
20000
0
−20000
−40000
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 41.43
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2

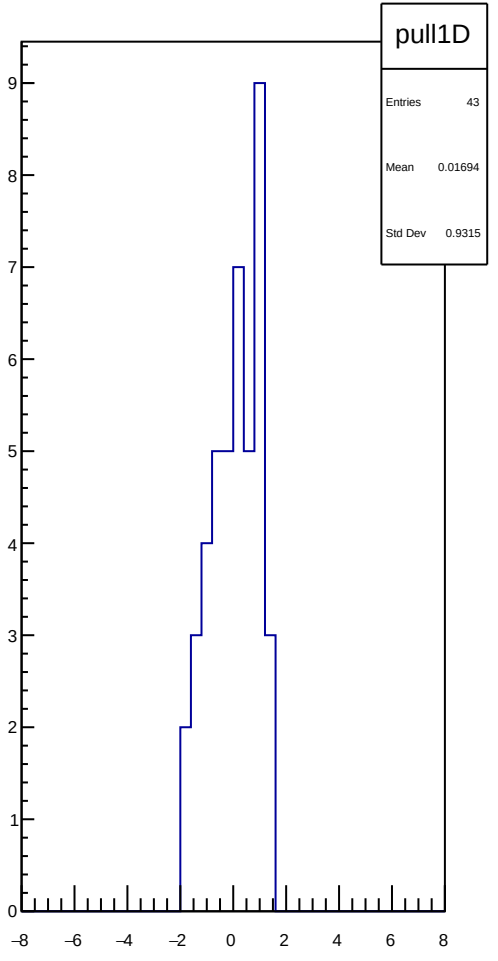

pull1D
Entries 43
Mean 0.01694
Std Dev 0.9315
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

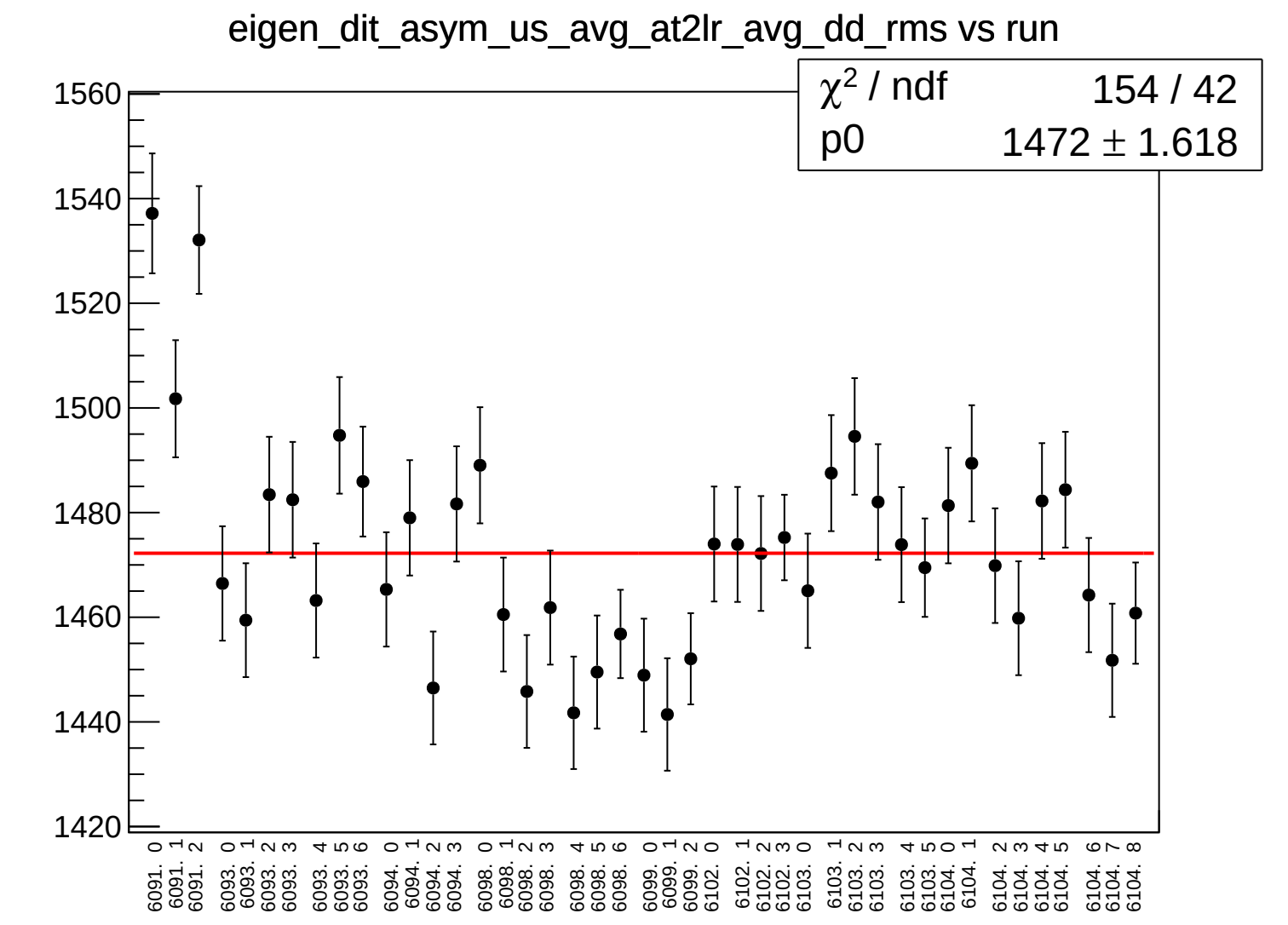

dit_asym_us_avg_at2lr_avg_dd_rms vs run
χ² / ndf 154 / 42
p0 1472 ± 1.618
1560
1540
1520
1500
1480
1460
1440
1420
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

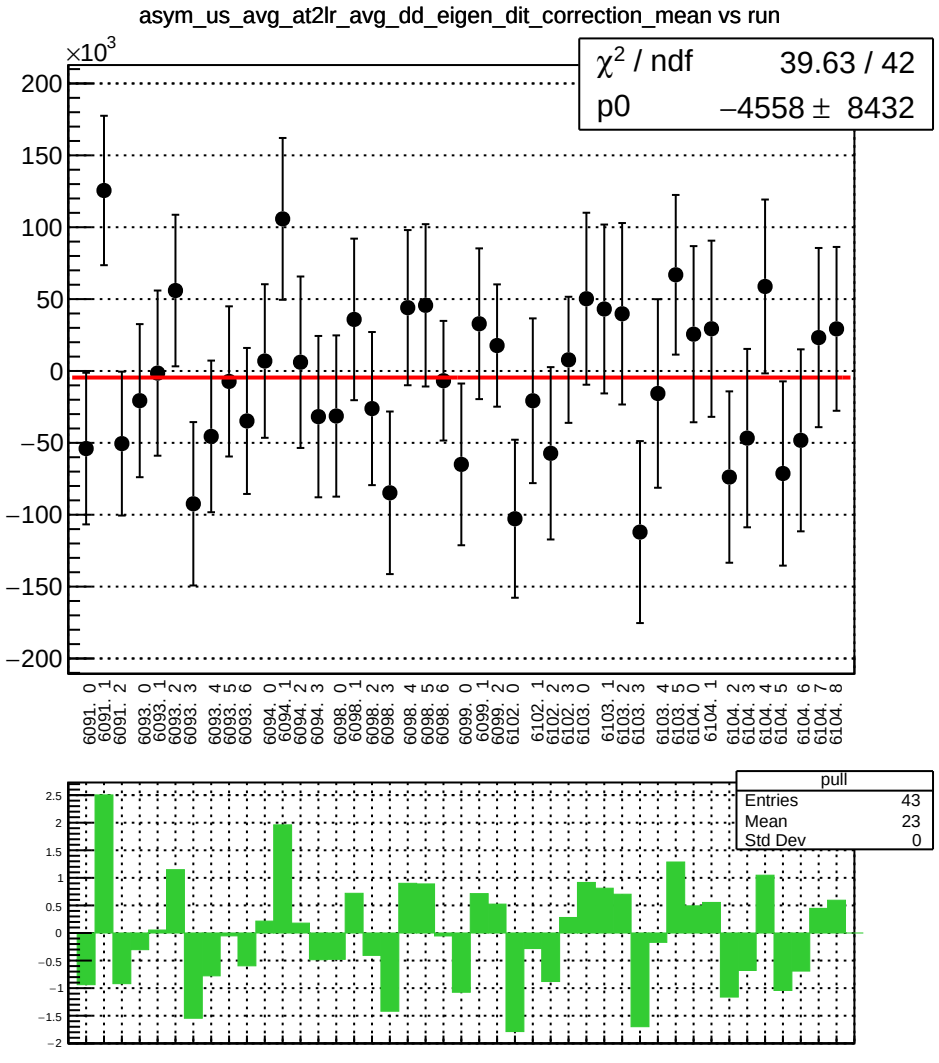

asym_us_avg_at2lr_avg_dd_dit_correction_mean vs run
×10^3
χ² / ndf 39.63 / 42
p0 −4558 ± 8432
200
150
100
50
0
−50
−100
−150
−200
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 23
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 43
Mean −0.01136
Std Dev 0.9599
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

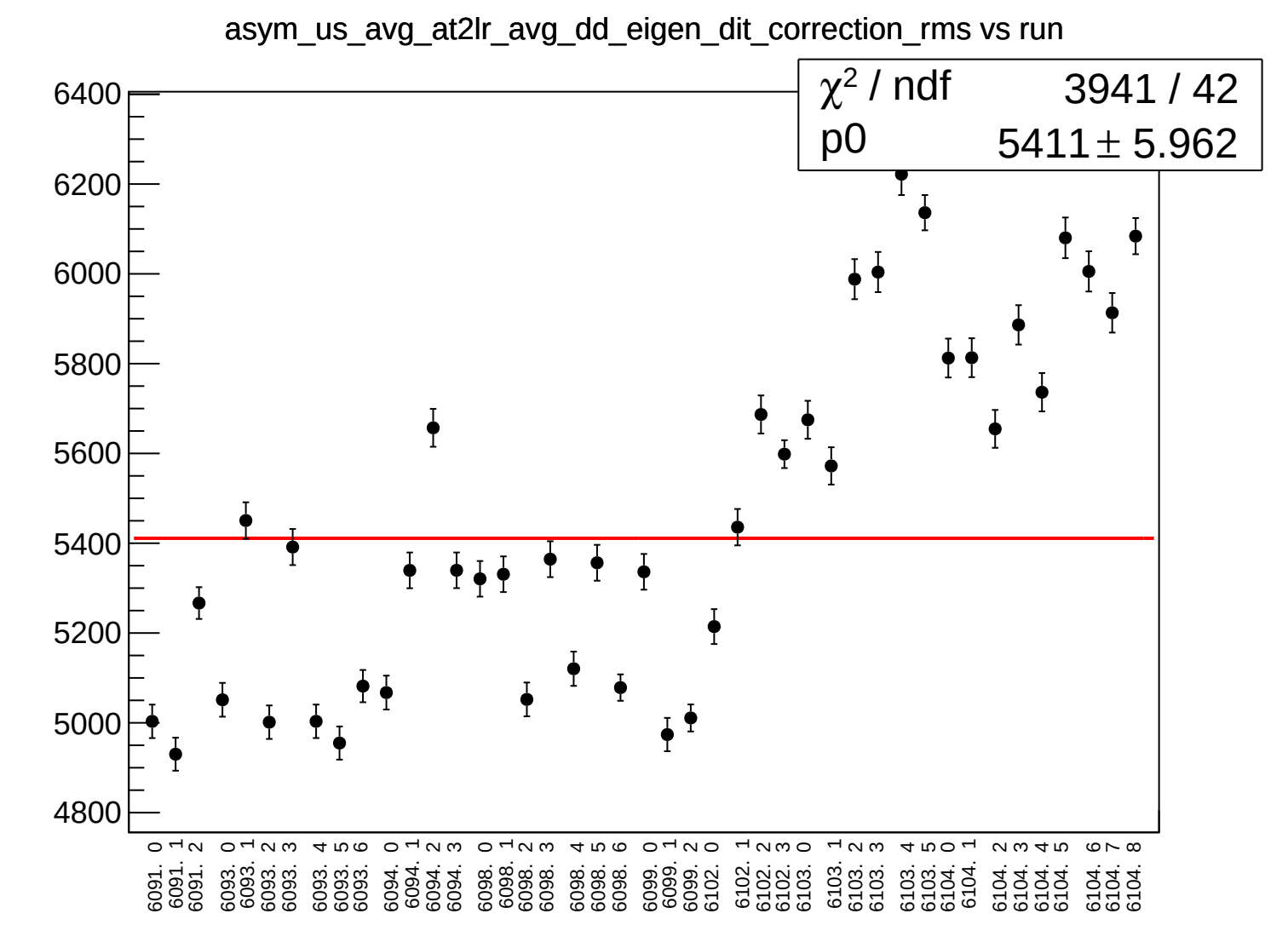

asym_us_avg_at2lr_avg_dd_dit_correction_rms vs run
χ² / ndf 3941 / 42
p0 5411 ± 5.962
6400
6200
6000
5800
5600
5400
5200
5000
4800
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

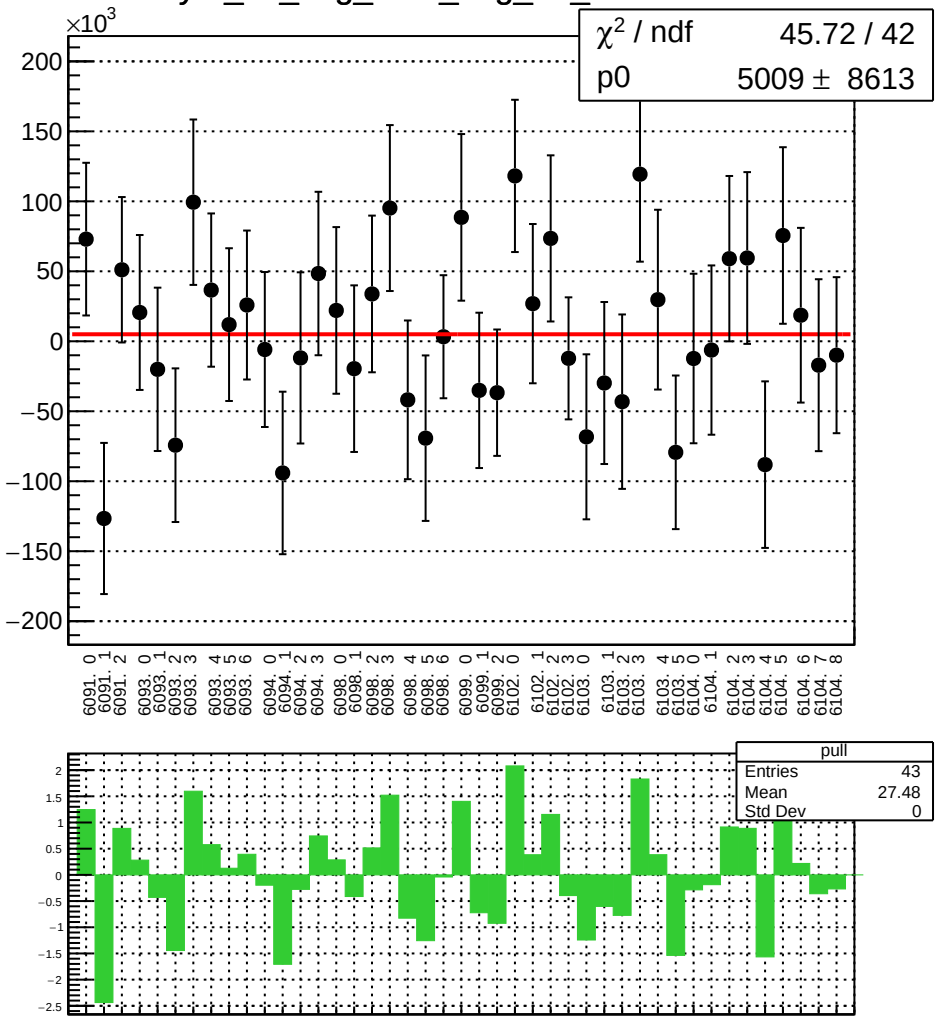

eigen_dit_asym_us_avg_at2lr_avg_dd_mean vs run
χ² / ndf 37.32 / 42
p0 414.8 ± 2289
40000
20000
0
−20000
−40000
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 41.43
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2

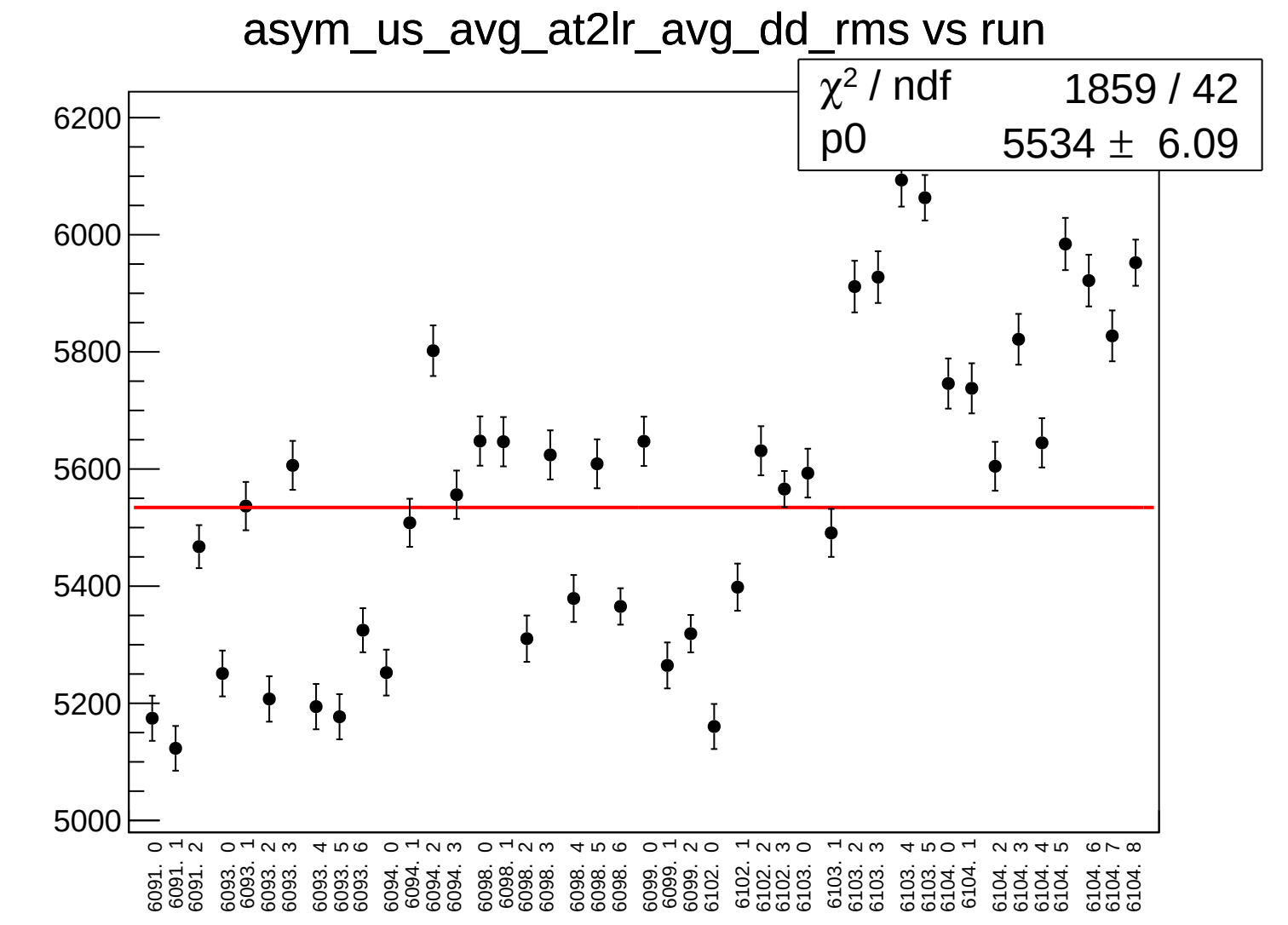

pull1D
Entries 43
Mean 0.01694
Std Dev 0.9315
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

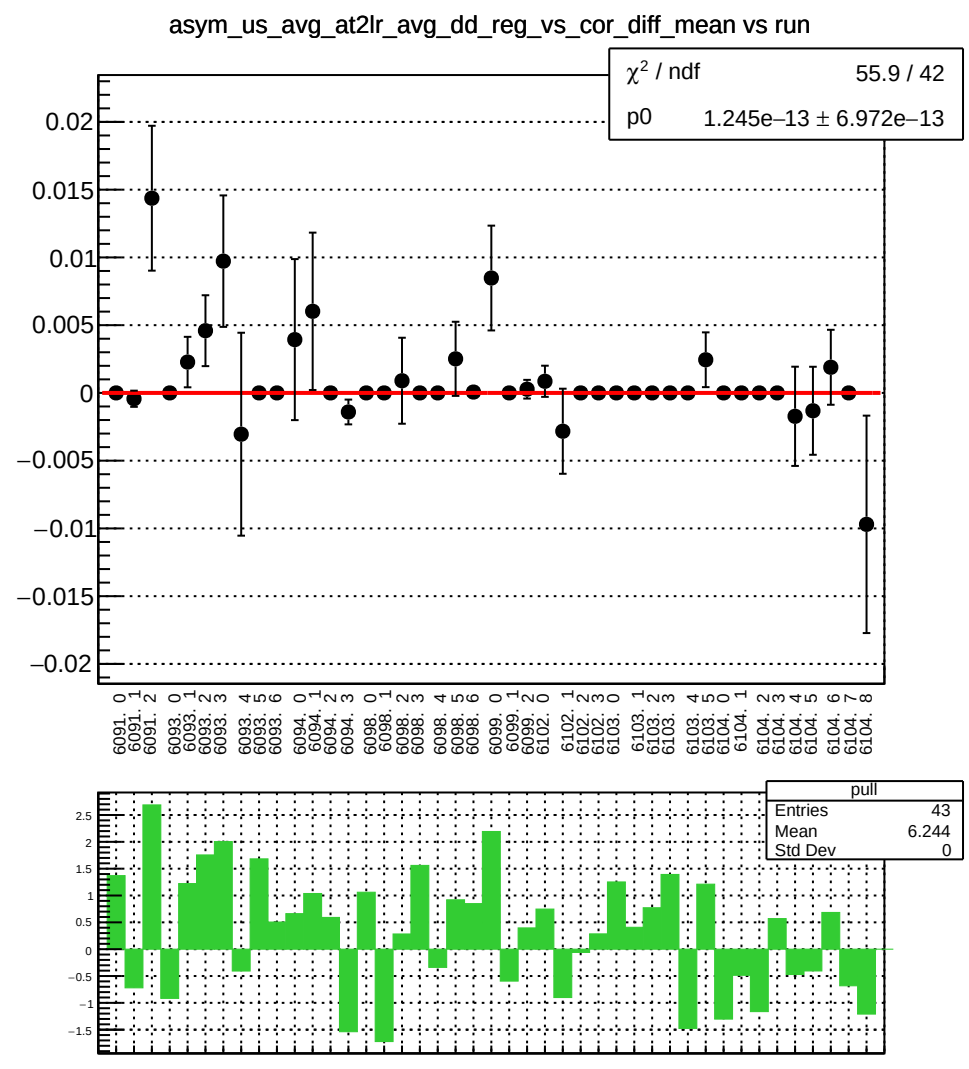

eigen_dit_asym_us_avg_at2lr_avg_dd_rms vs run
χ² / ndf 154 / 42
p0 1472 ± 1.618
1560
1540
1520
1500
1480
1460
1440
1420
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

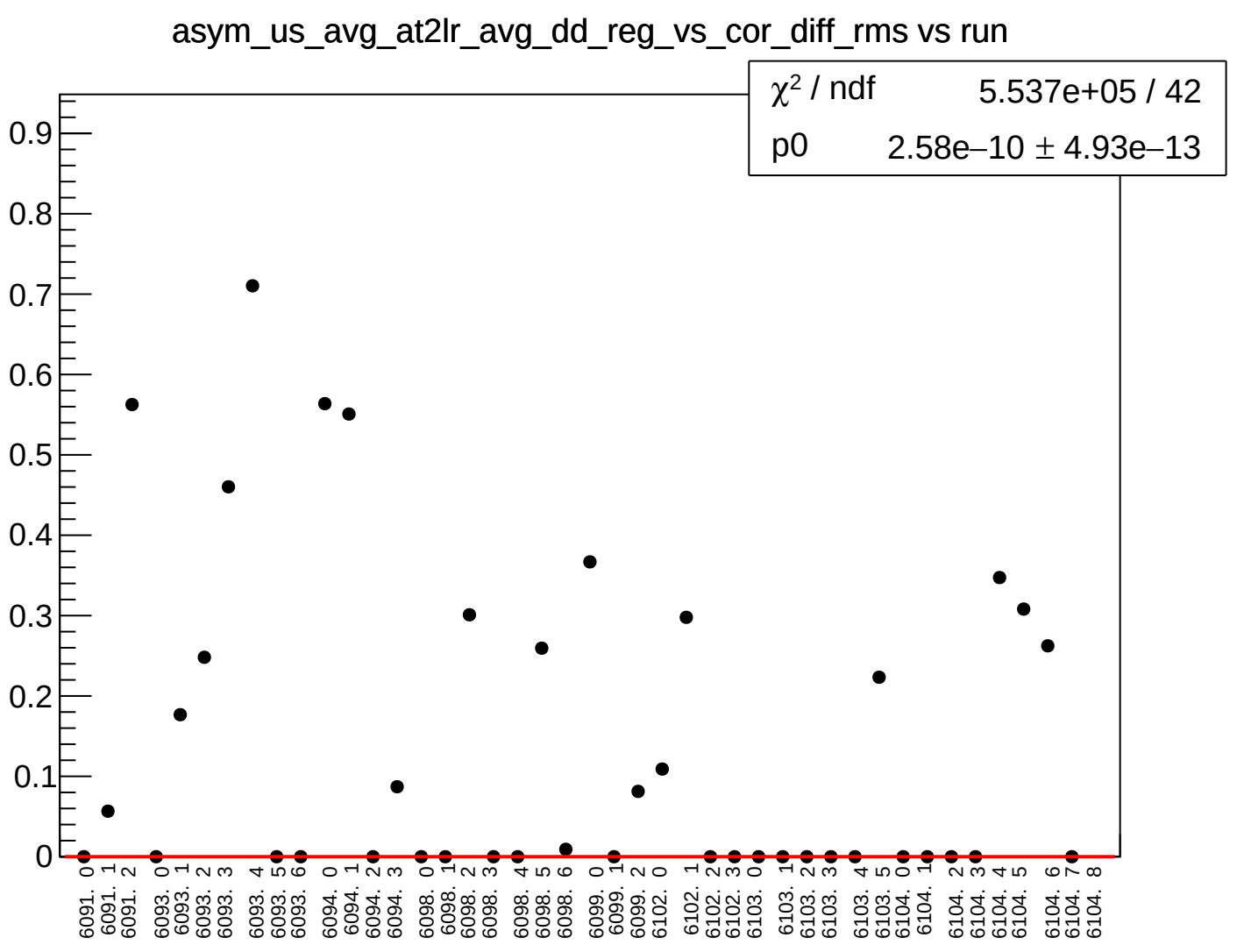

asym_us_avg_at2lr_avg_dd_eigen_dit_correction_mean vs run
×10^3
χ^2 / ndf 39.63 / 42
p0 −4558 ± 8432
pull
Entries 43
Mean 23
Std Dev 0
pull1D
Entries 43
Mean −0.01136
Std Dev 0.9599

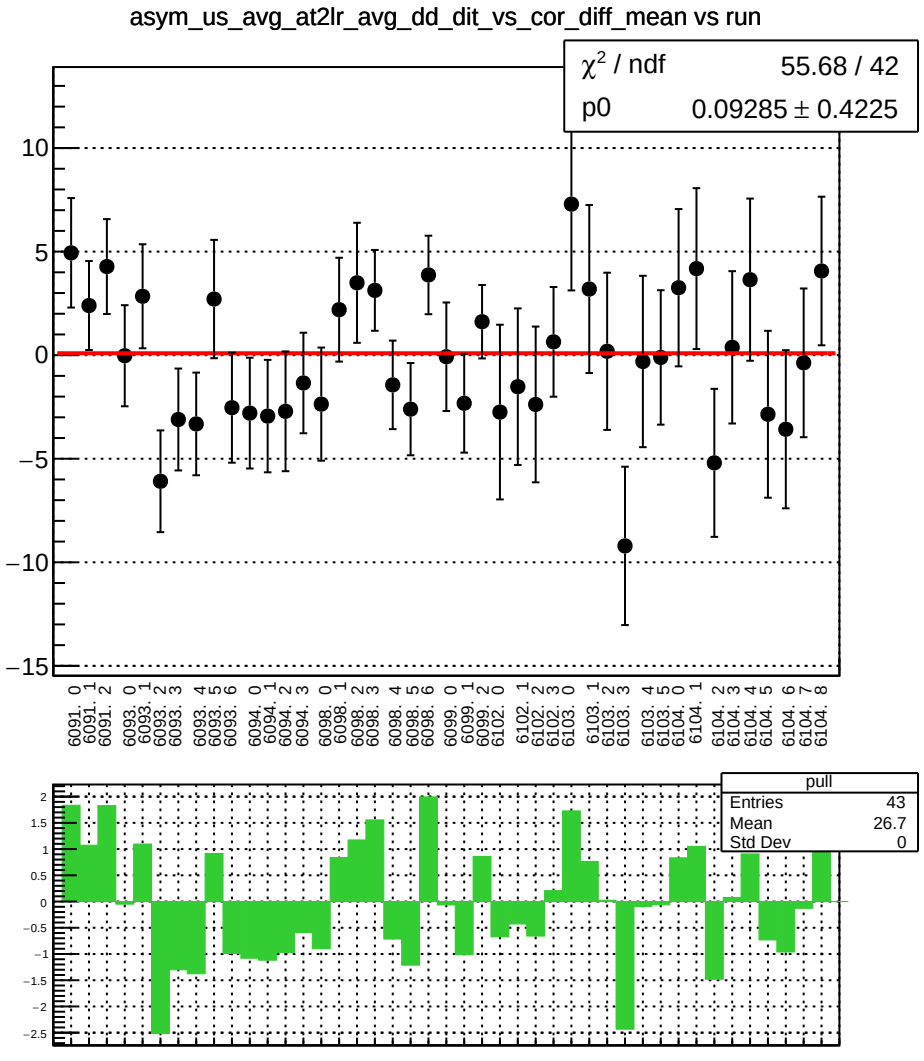

asym_us_avg_at2lr_avg_dd_eigen_dit_correction_rms vs run
χ² / ndf 3941 / 42
p0 5411 ± 5.962
6400
6200
6000
5800
5600
5400
5200
5000
4800
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

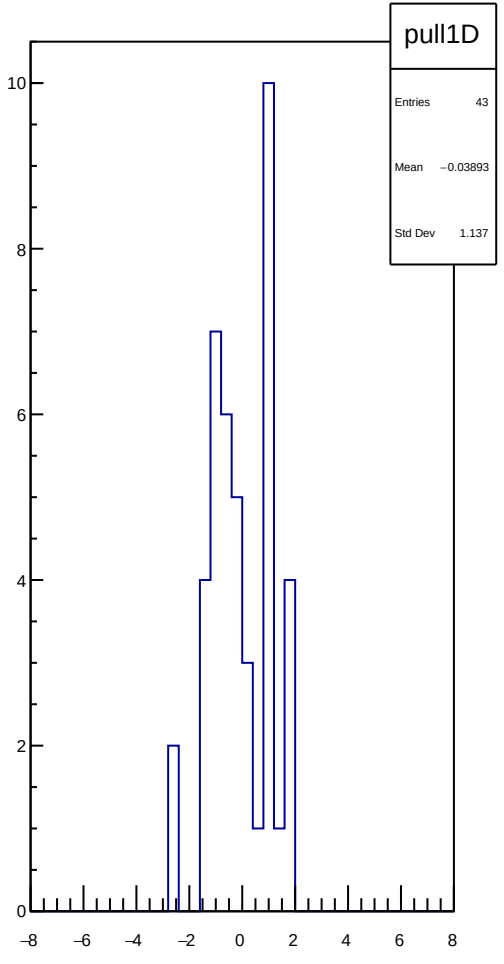

asym_us_avg_at2lr_avg_dd_mean vs run
×10^3
χ² / ndf 45.72 / 42
p0 5009 ± 8613
pull
Entries 43
Mean 27.48
Std Dev 0
pull1D
Entries 43
Mean 0.01541
Std Dev 1.031

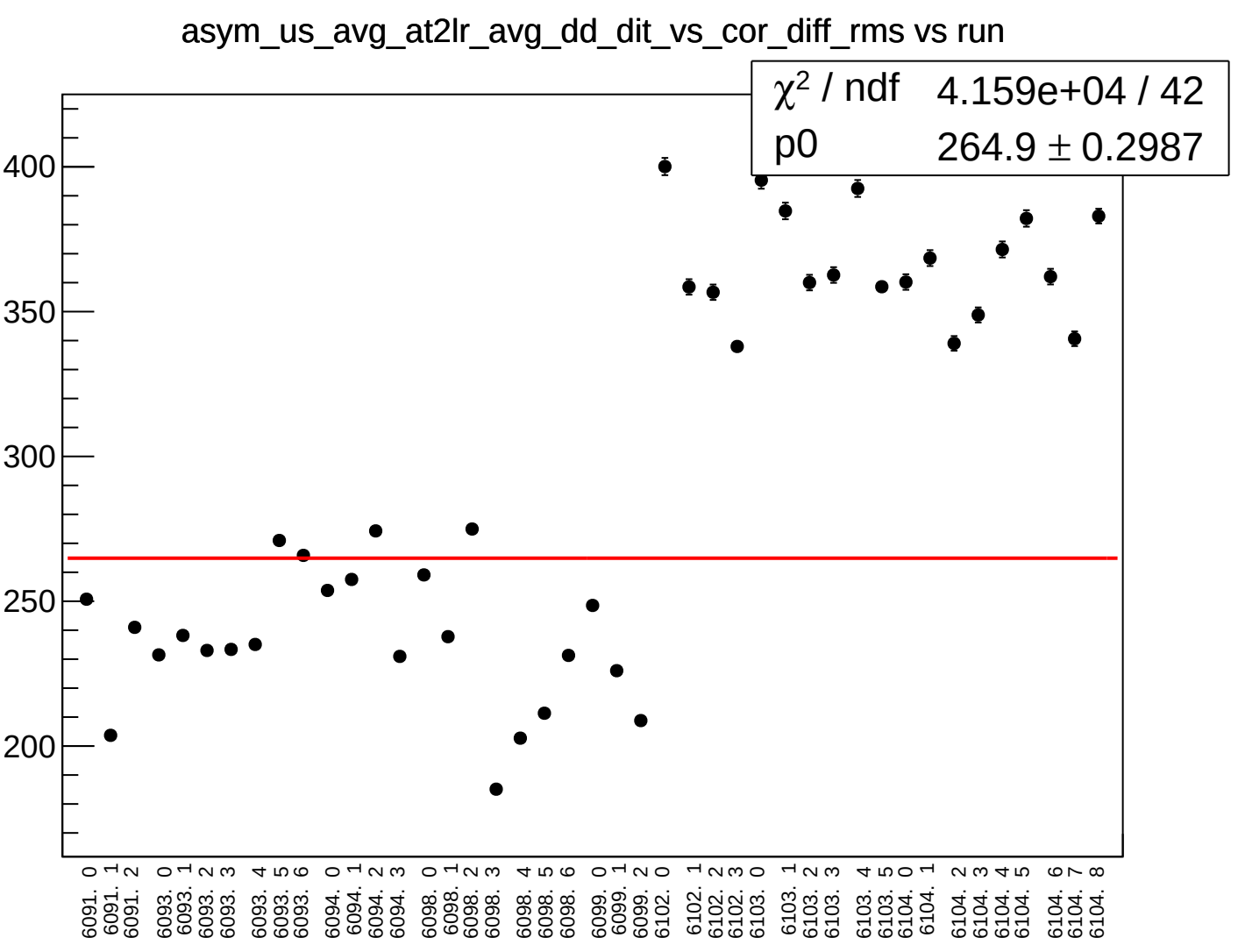

asym_us_avg_at2lr_avg_dd_rms vs run
χ² / ndf 1859 / 42
p0 5534 ± 6.09
6200
6000
5800
5600
5400
5200
5000
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

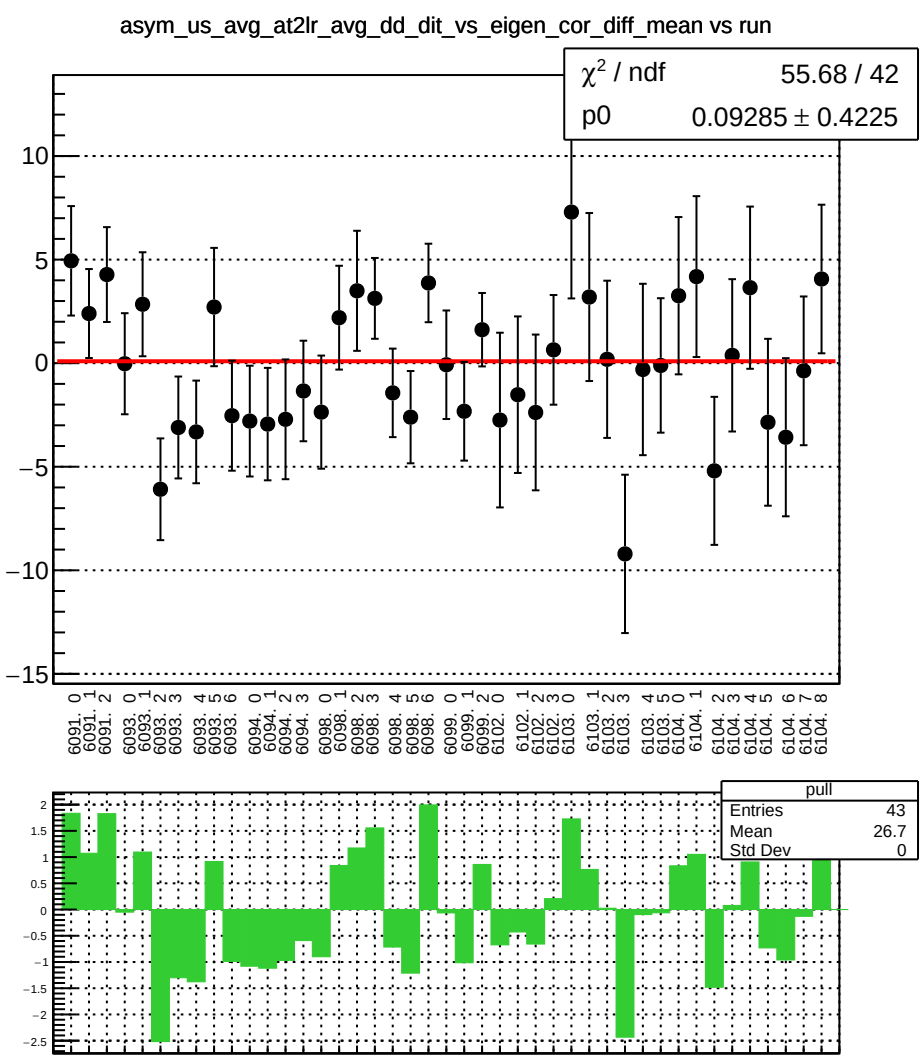

asym_us_avg_at2lr_avg_dd_reg_vs_cor_diff_mean vs run
χ² / ndf 55.9 / 42
p0 1.245e−13 ± 6.972e−13
0.02
0.015
0.01
0.005
0
−0.005
−0.01
−0.015
−0.02
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 6.244
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 43
Mean 0.3189
Std Dev 1.095
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

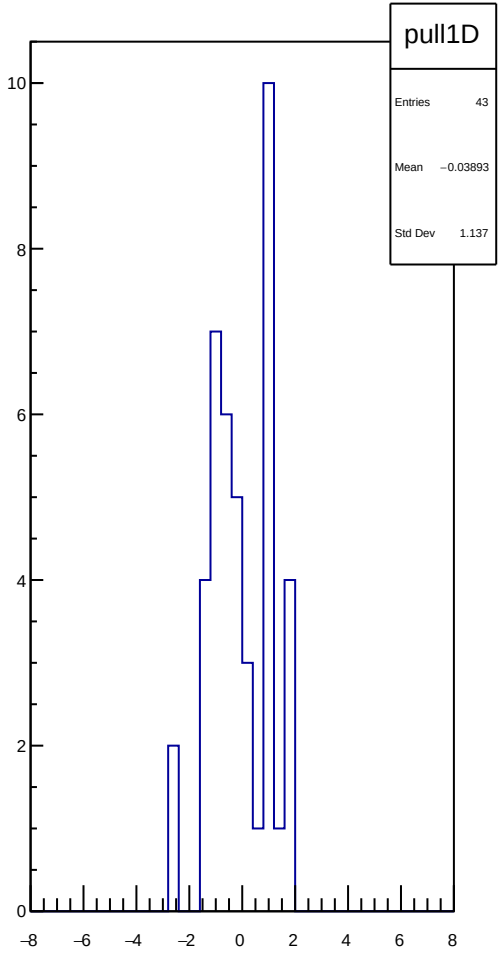

asym_us_avg_at2lr_avg_dd_reg_vs_cor_diff_rms vs run
χ² / ndf 5.537e+05 / 42
p0 2.58e−10 ± 4.93e−13
0.9
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

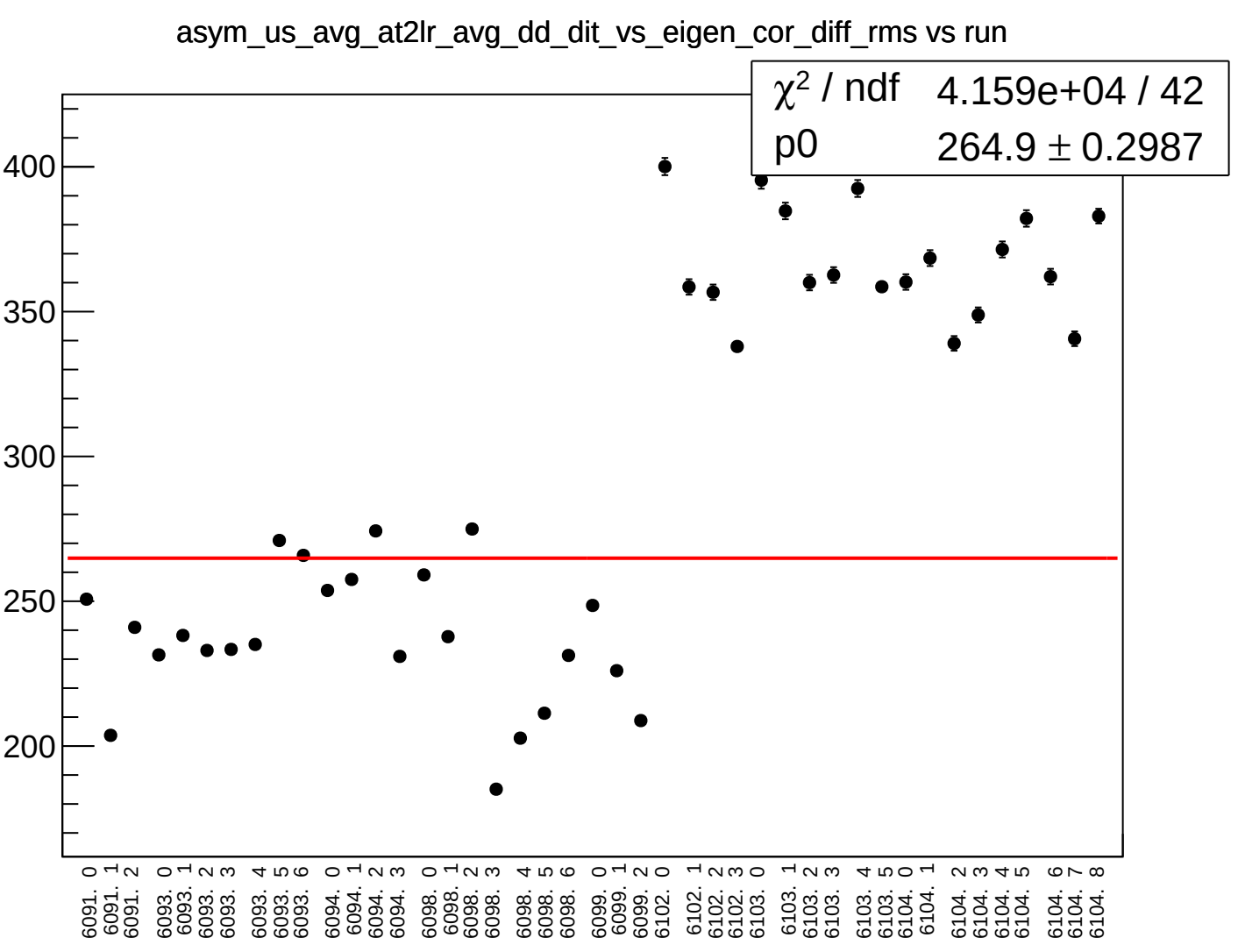

asym_us_avg_at2lr_avg_dd_dit_vs_cor_diff_mean vs run
χ² / ndf 55.68 / 42
p0 0.09285 ± 0.4225
pull
Entries 43
Mean 26.7
Std Dev 0

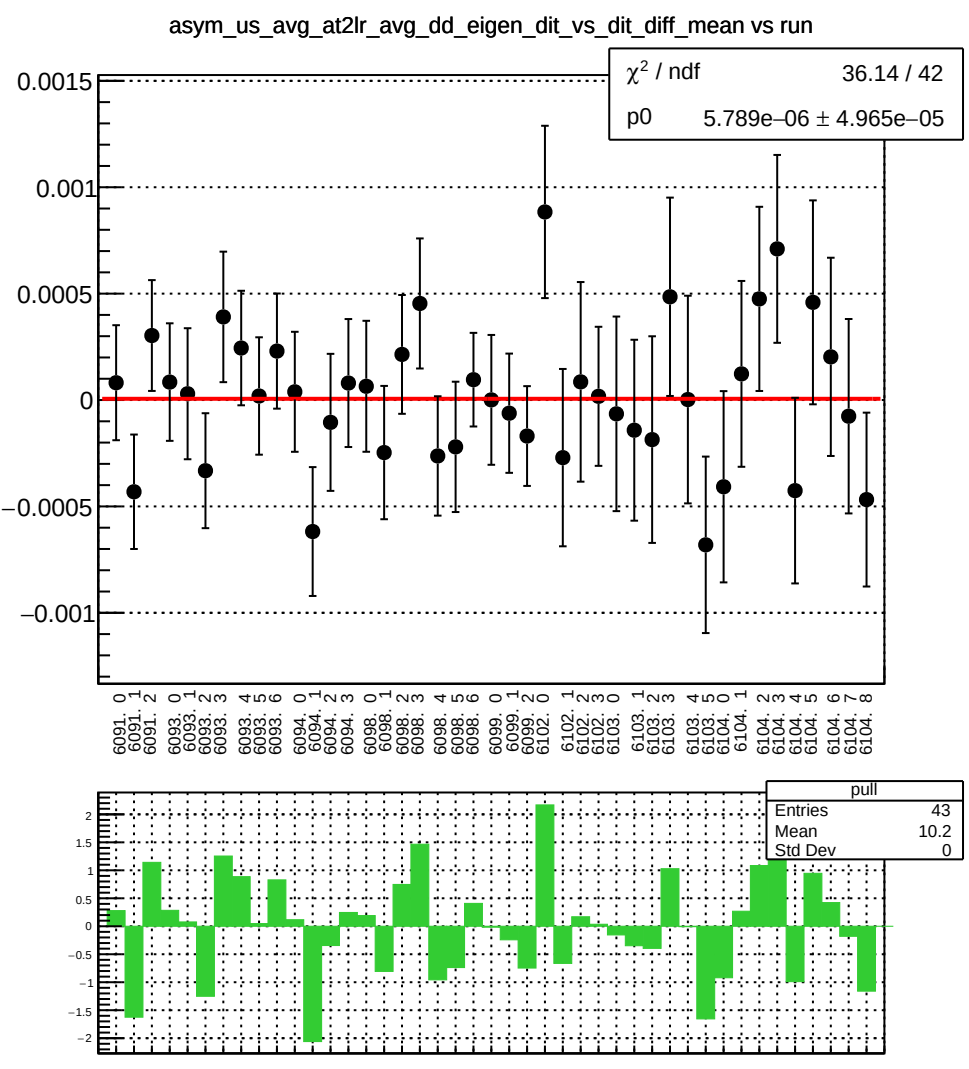

pull1D
Entries 43
Mean −0.03893
Std Dev 1.137

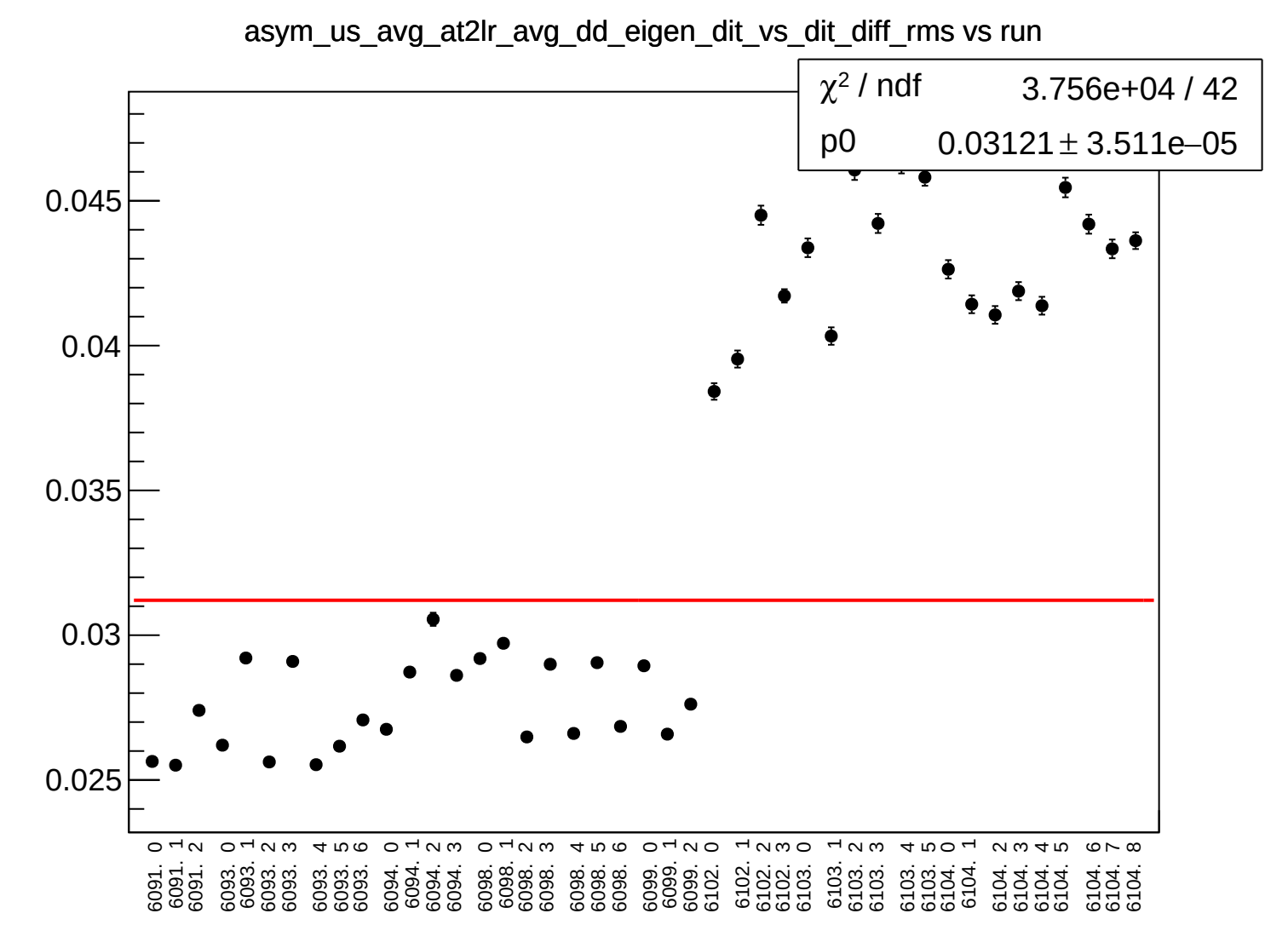

asym_us_avg_at2lr_avg_dd_dit_vs_cor_diff_rms vs run
χ² / ndf 4.159e+04 / 42
p0 264.9 ± 0.2987
400
350
300
250
200
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

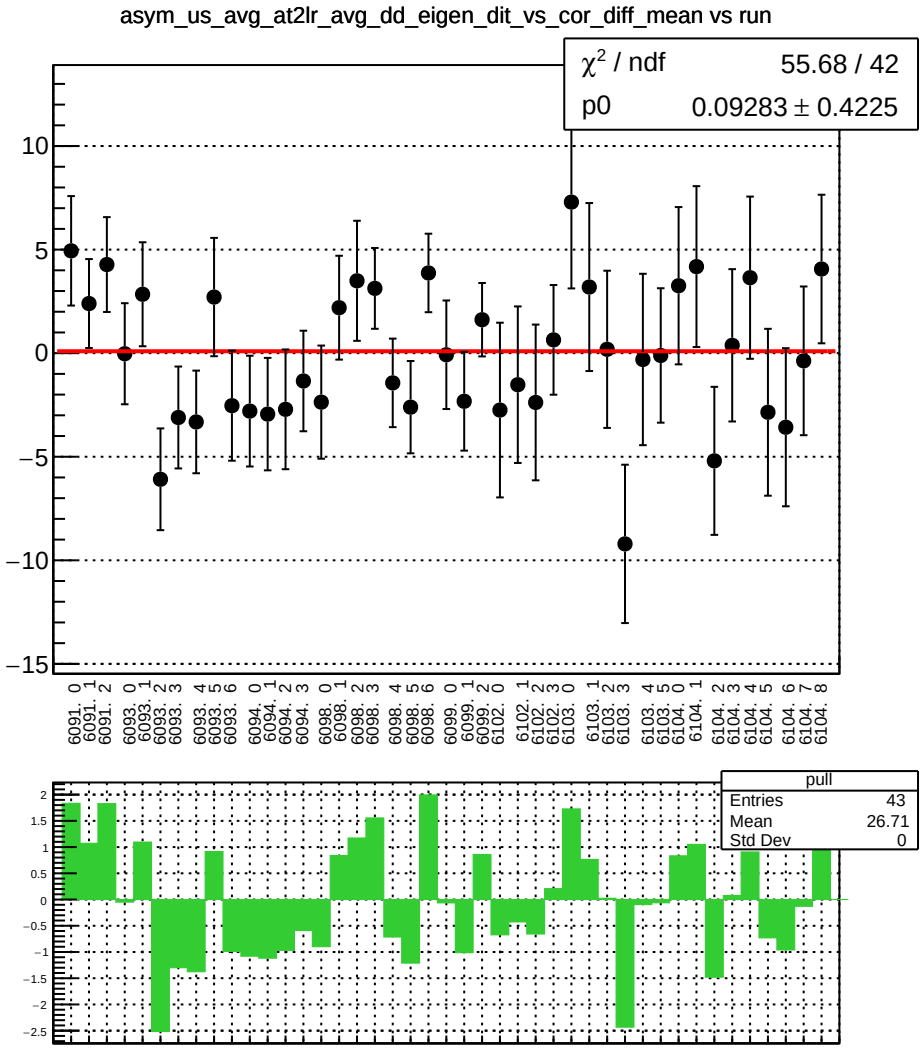

asym_us_avg_at2lr_avg_dd_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 55.68 / 42
p0 0.09285 ± 0.4225
pull
Entries 43
Mean 26.7
Std Dev 0

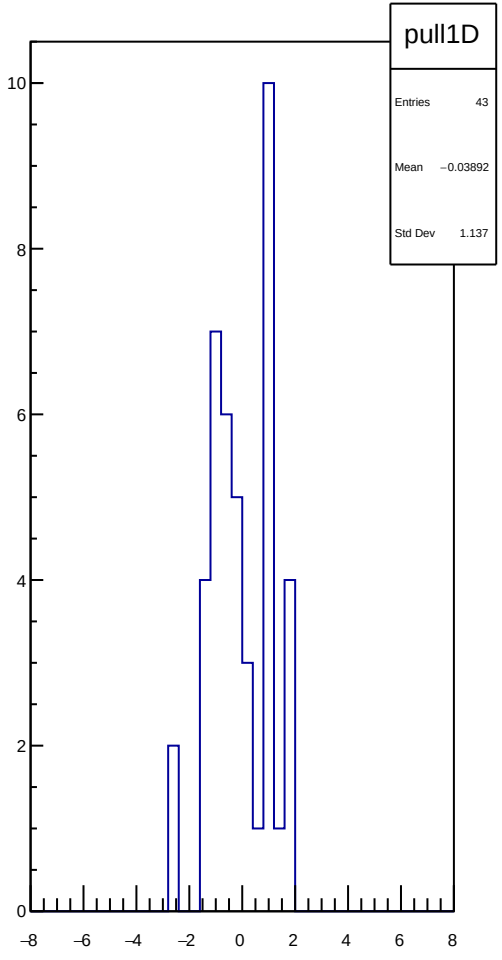

pull1D
Entries 43
Mean −0.03893
Std Dev 1.137

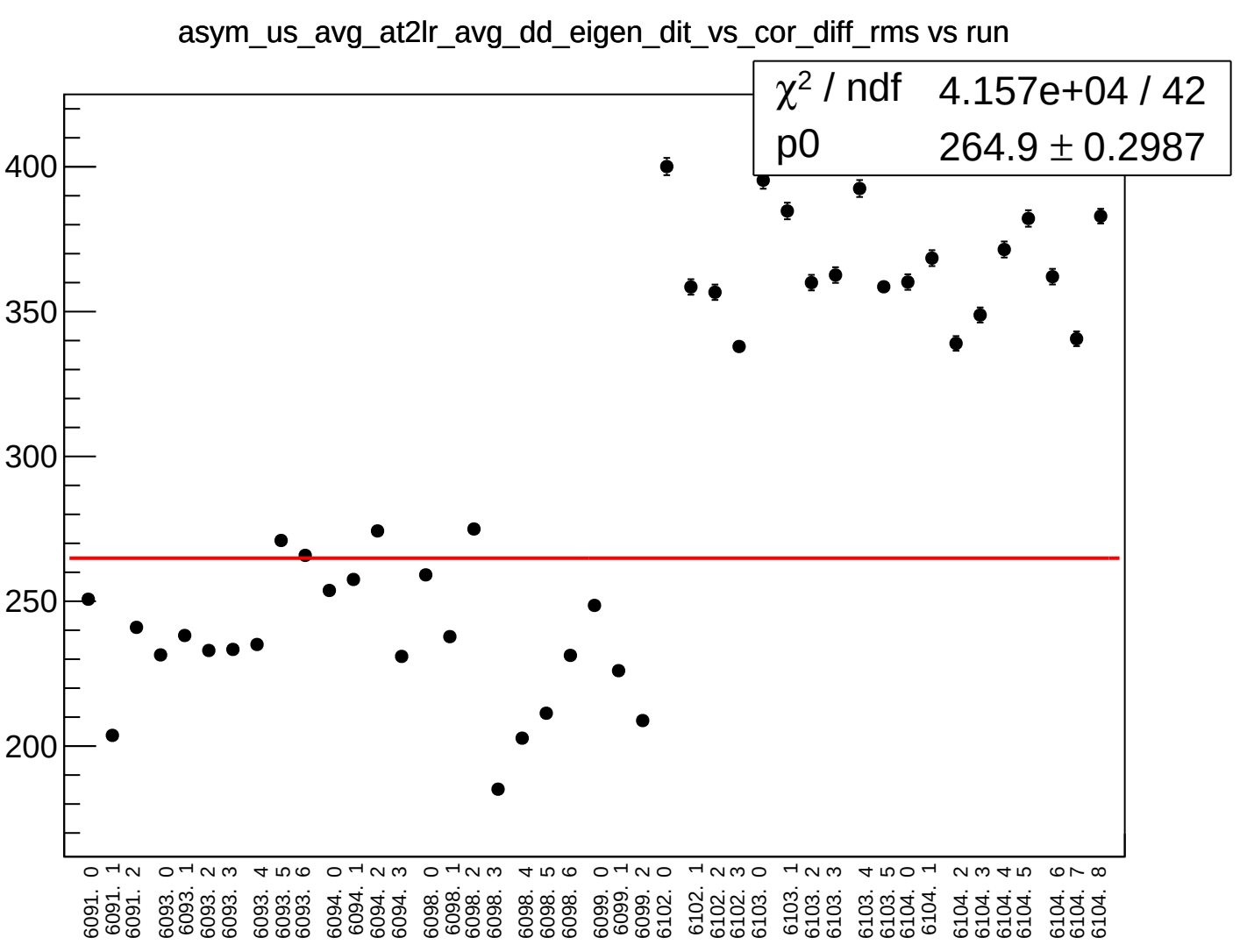

asym_us_avg_at2lr_avg_dd_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 4.159e+04 / 42
p0 264.9 ± 0.2987
400
350
300
250
200
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

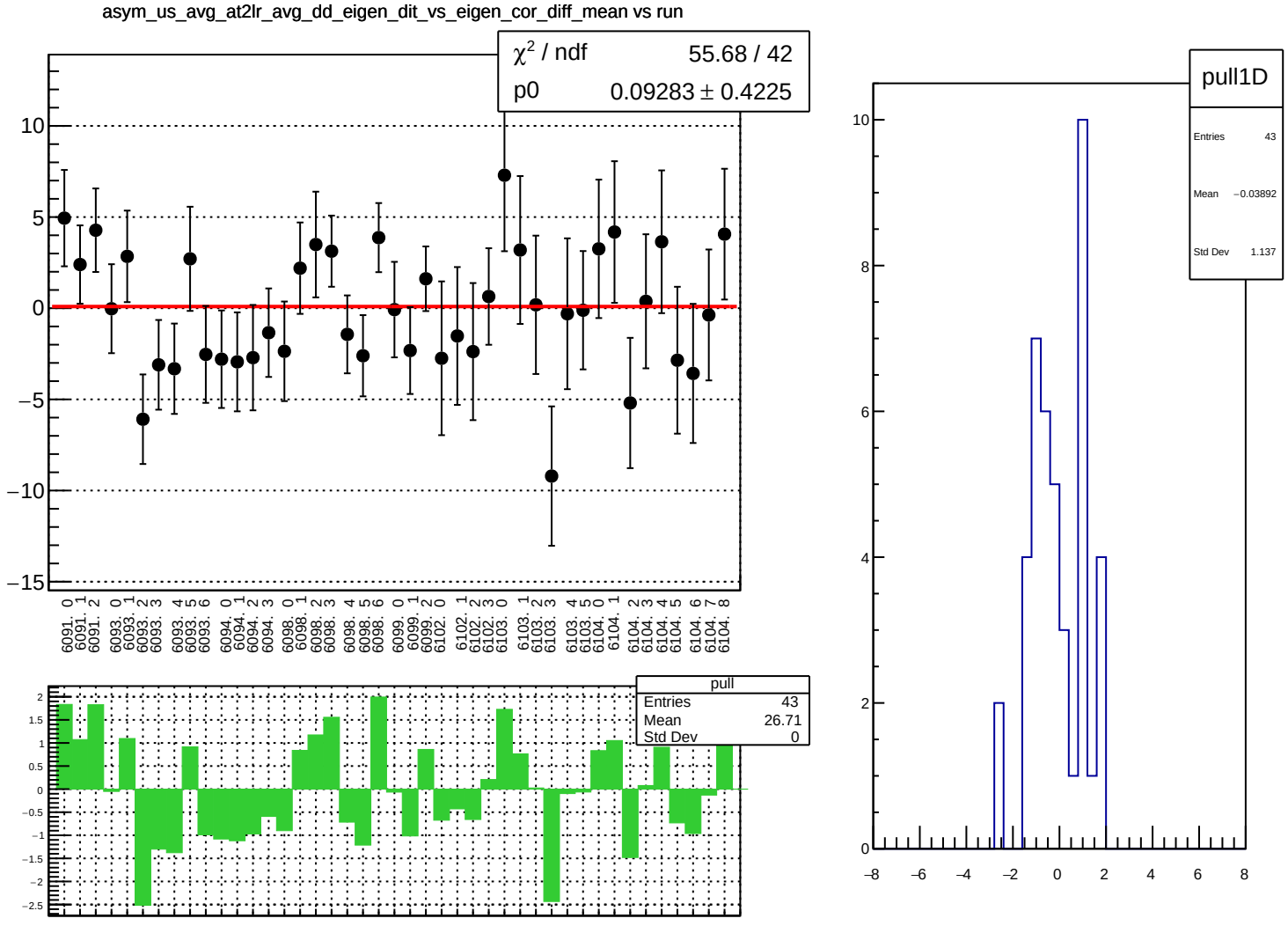

asym_us_avg_at2lr_avg_dd_eigen_dit_vs_dit_diff_mean vs run
χ² / ndf 36.14 / 42
p0 5.789e−06 ± 4.965e−05
0.0015
0.001
0.0005
0
−0.0005
−0.001
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 10.2
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 43
Mean 0.01024
Std Dev 0.9167
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

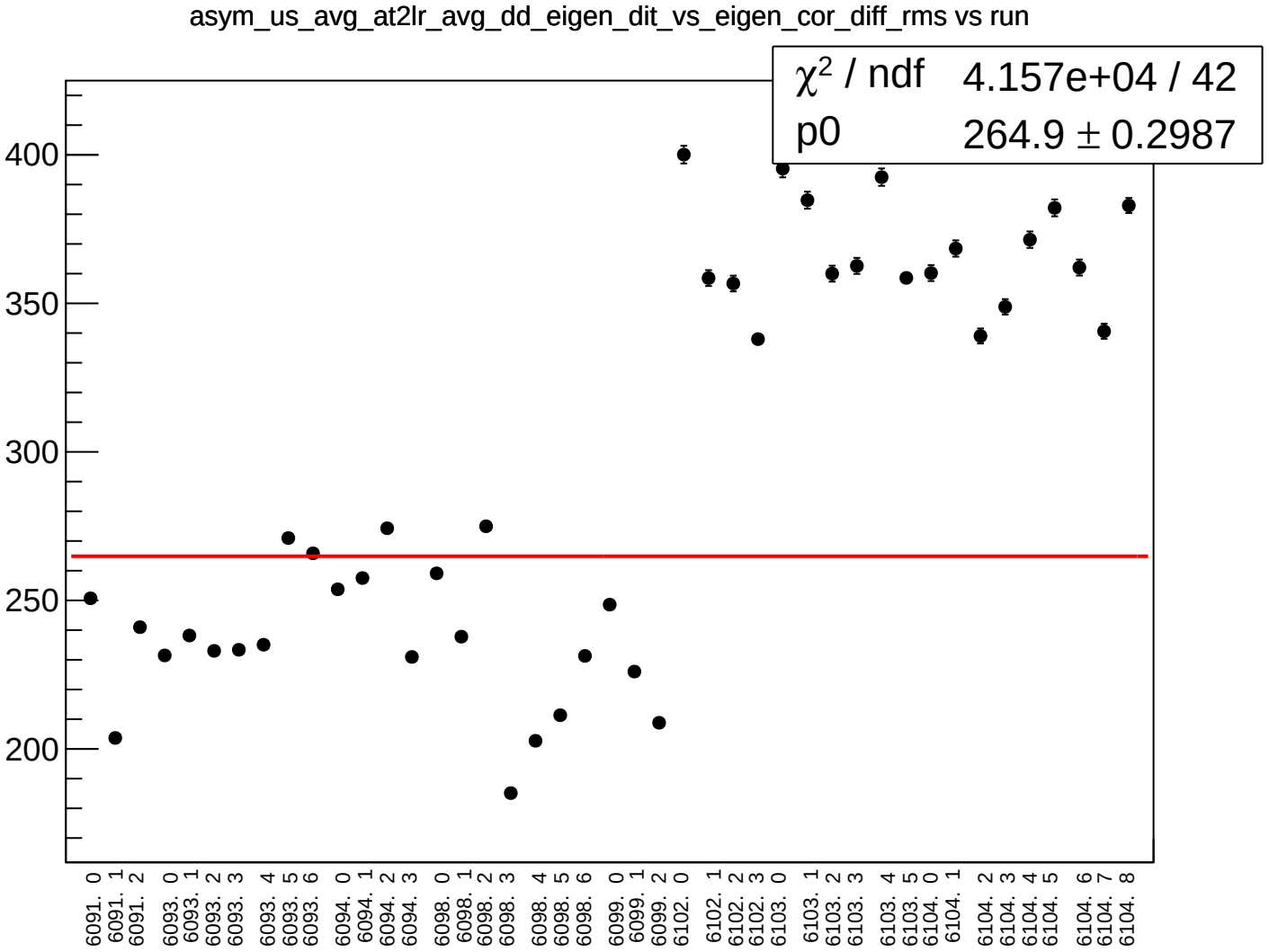

asym_us_avg_at2lr_avg_dd_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 3.756e+04 / 42
p0 0.03121 ± 3.511e−05
0.045
0.04
0.035
0.03
0.025
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

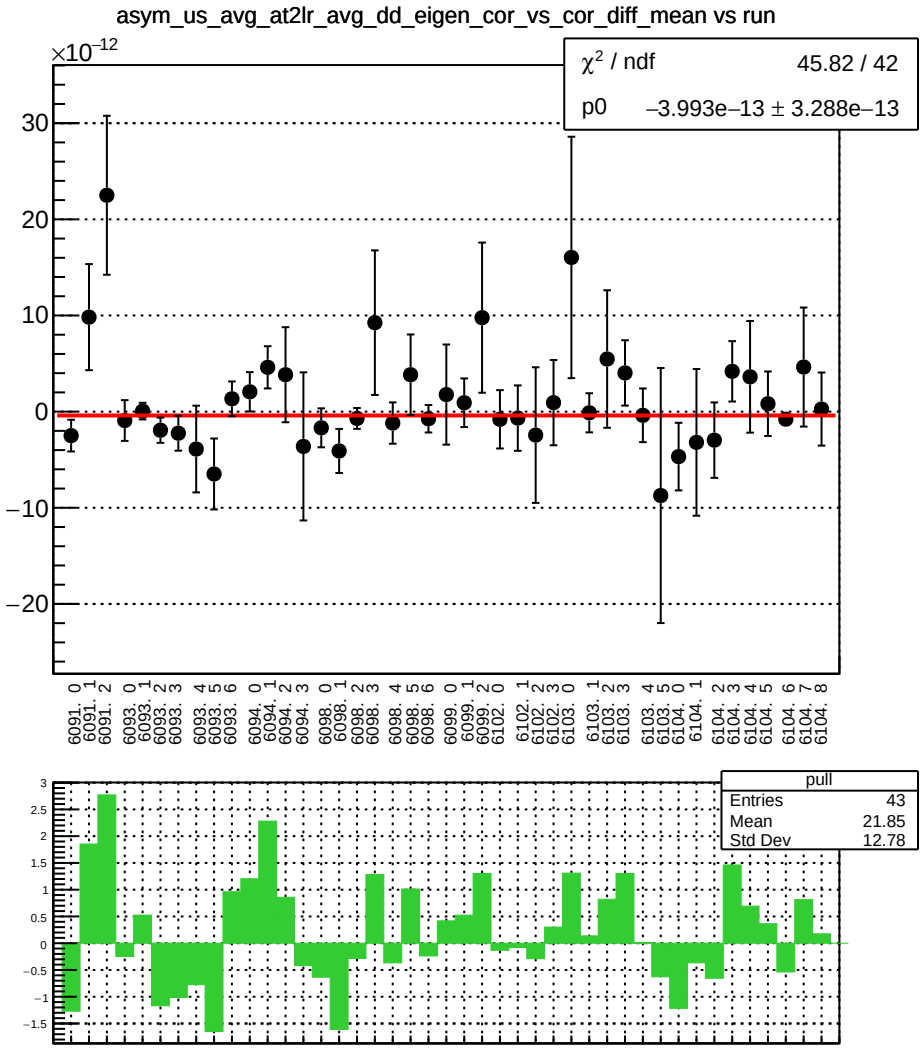

asym_us_avg_at2lr_avg_dd_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 55.68 / 42
p0 0.09283 ± 0.4225
pull
Entries 43
Mean 26.71
Std Dev 0

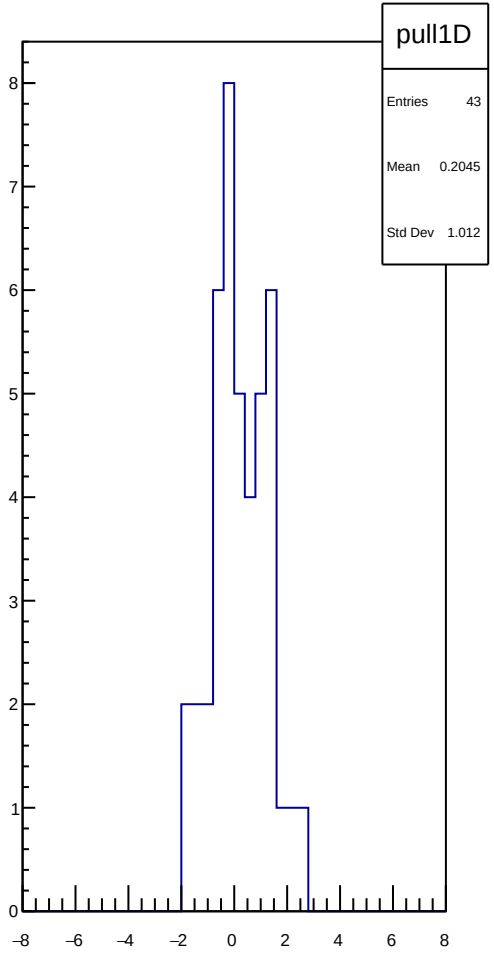

pull1D
Entries 43
Mean −0.03892
Std Dev 1.137

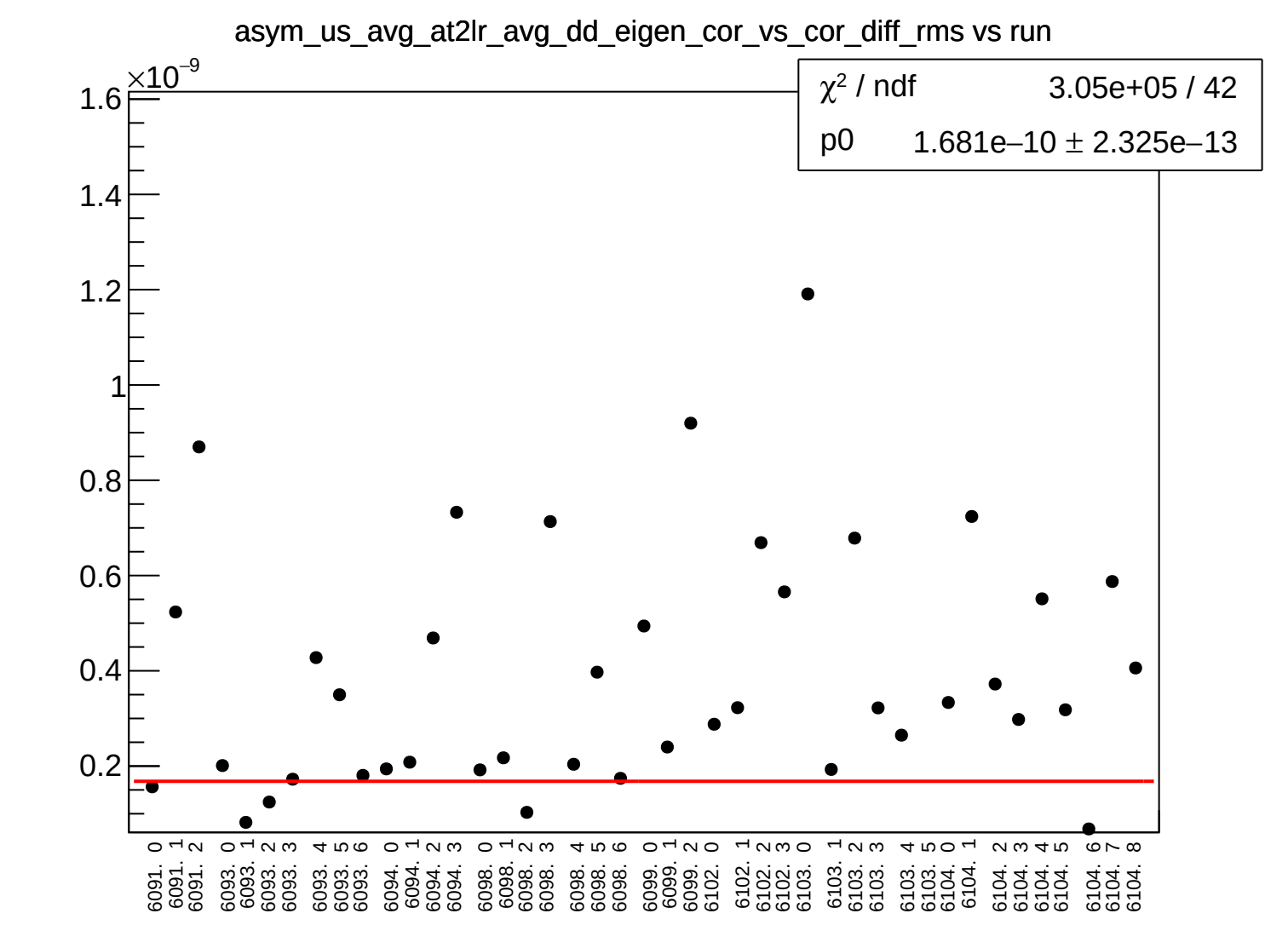

asym_us_avg_at2lr_avg_dd_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 4.157e+04 / 42
p0 264.9 ± 0.2987
400
350
300
250
200
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

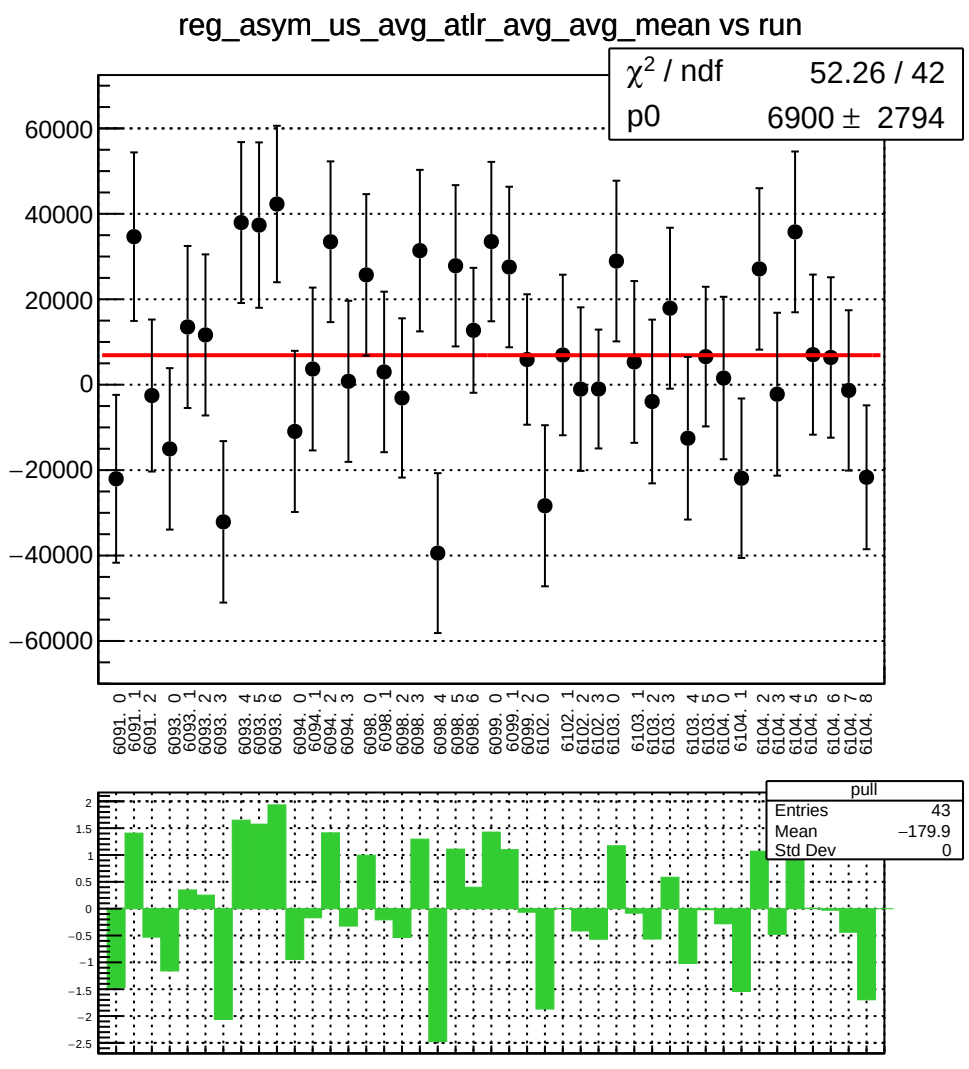

asym_us_avg_at2lr_avg_dd_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 55.68 / 42
p0 0.09283 ± 0.4225
pull
Entries 43
Mean 26.71
Std Dev 0
pull1D
Entries 43
Mean −0.03892
Std Dev 1.137

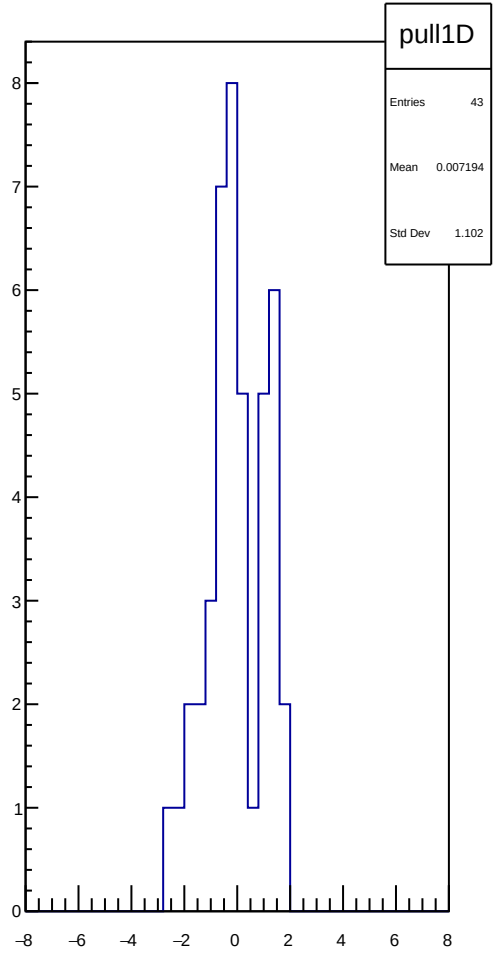

asym_us_avg_at2lr_avg_dd_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 4.157e+04 / 42
p0 264.9 ± 0.2987
400
350
300
250
200
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

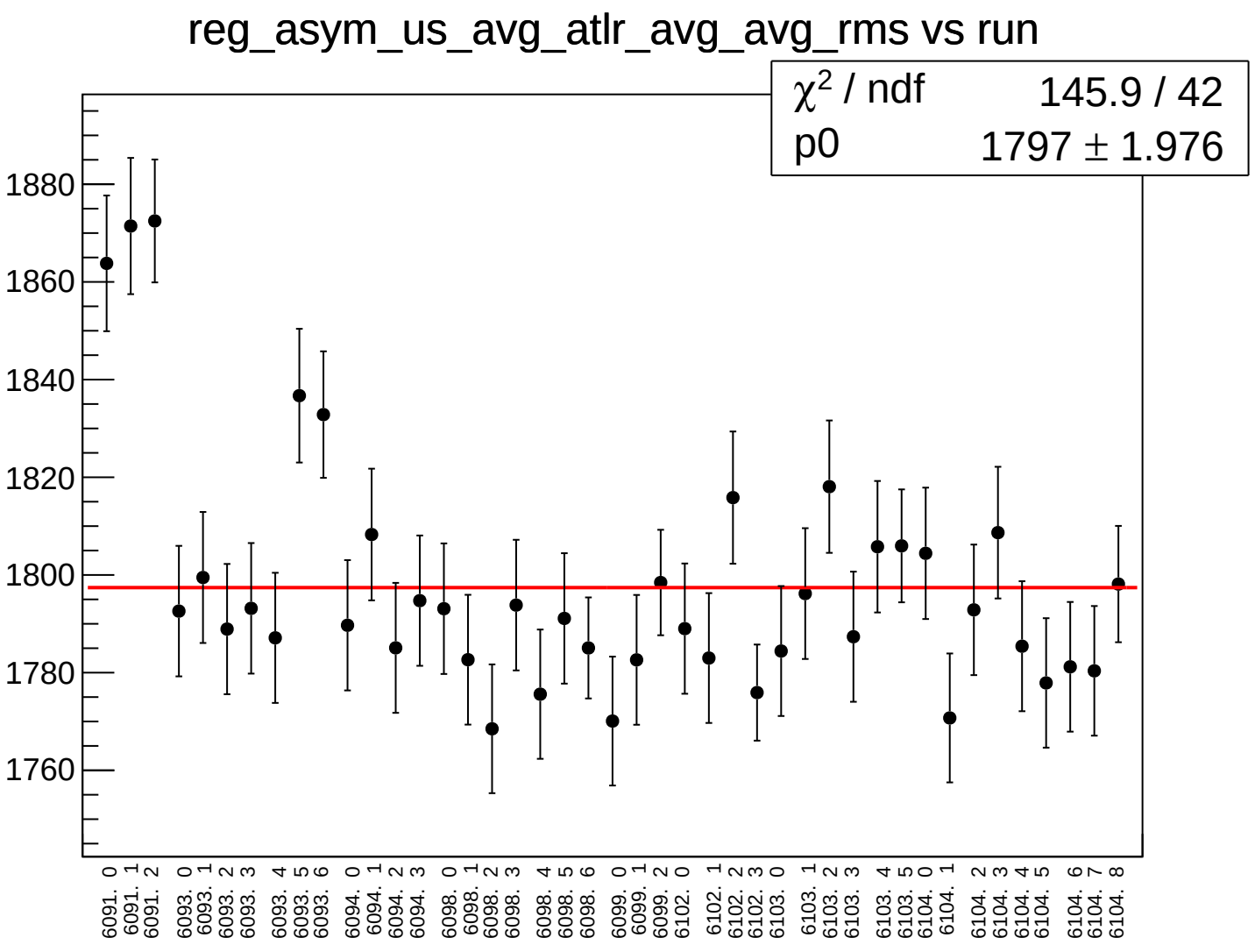

asym_us_avg_at2lr_avg_dd_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 45.82 / 42
p0 −3.993e−13 ± 3.288e−13
30
20
10
0
−10
−20
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 21.85
Std Dev 12.78
3
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5

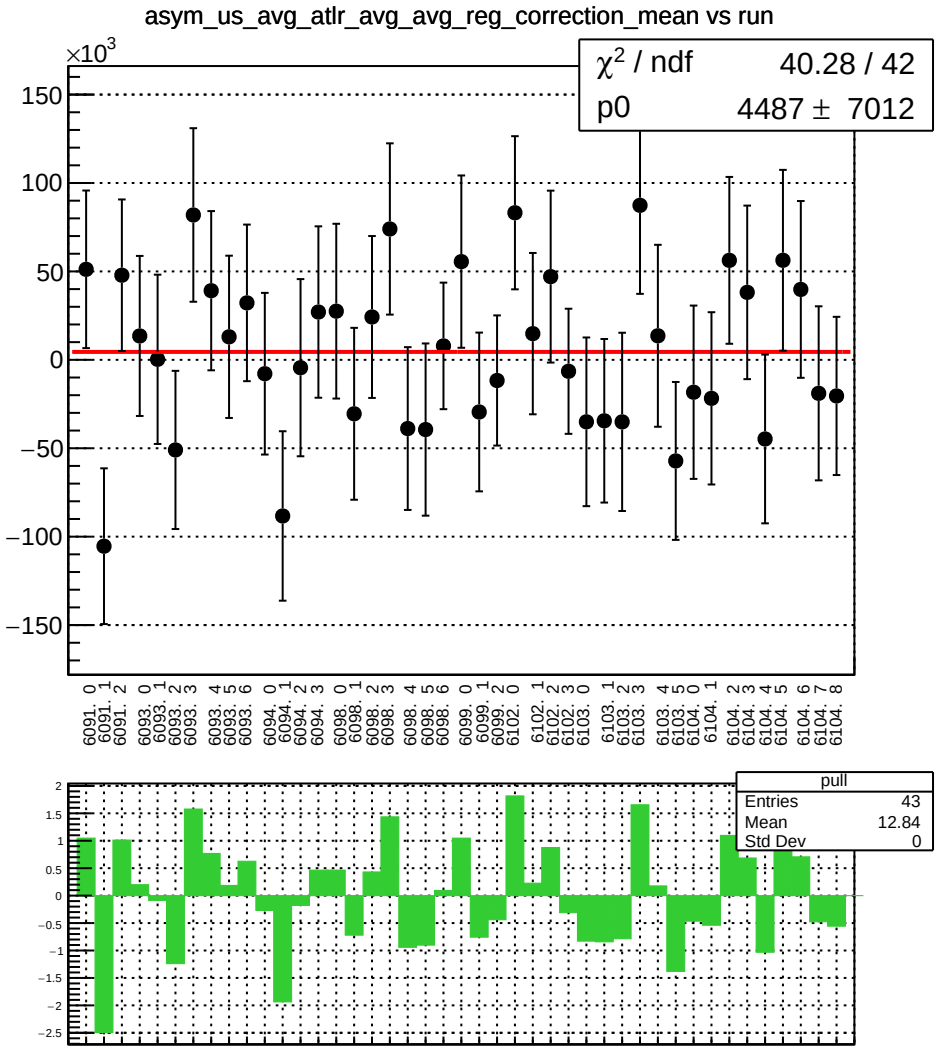

pull1D
Entries 43
Mean 0.2045
Std Dev 1.012
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

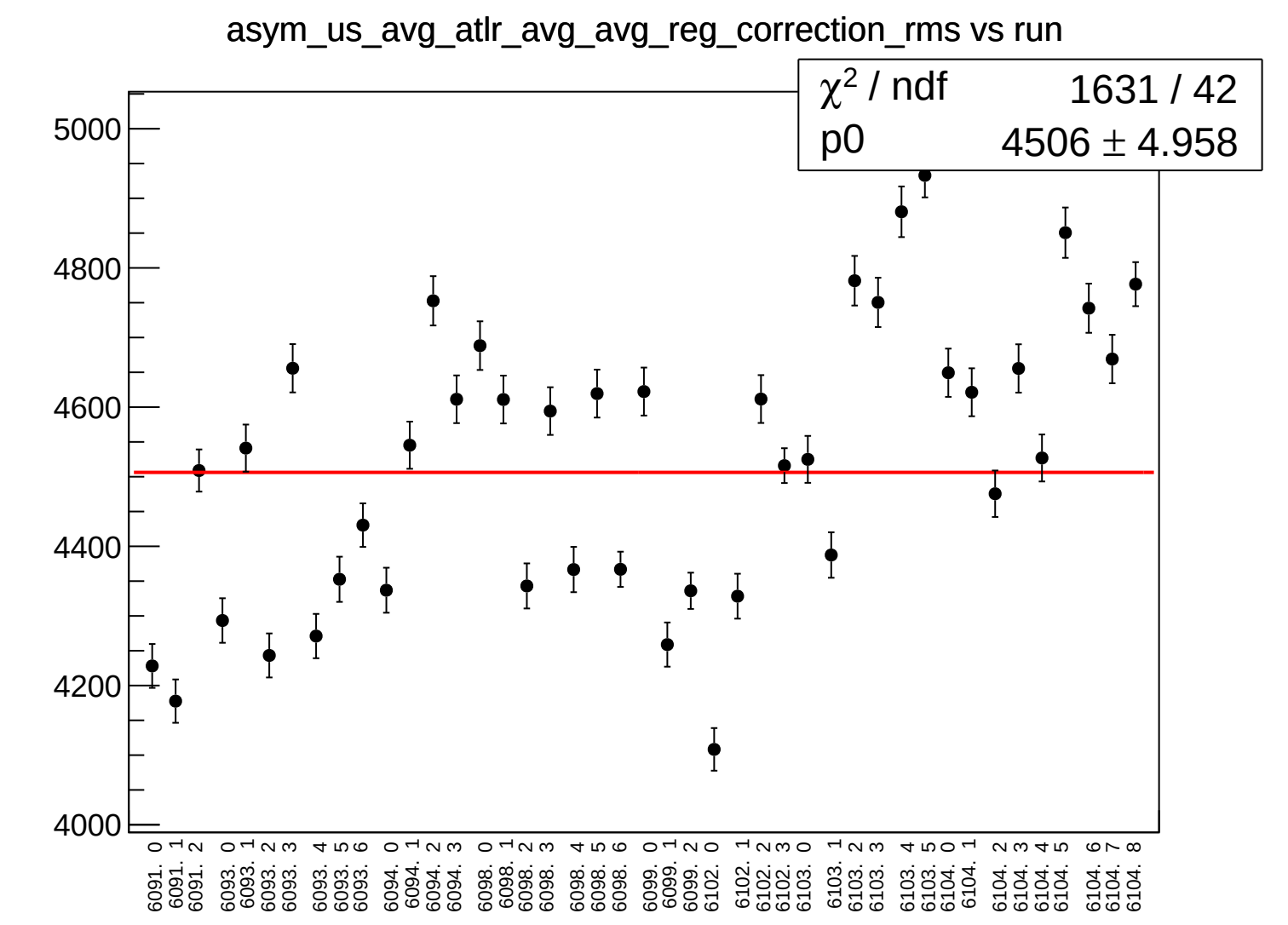

asym_us_avg_at2lr_avg_dd_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 3.05e+05 / 42
p0 1.681e−10 ± 2.325e−13
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

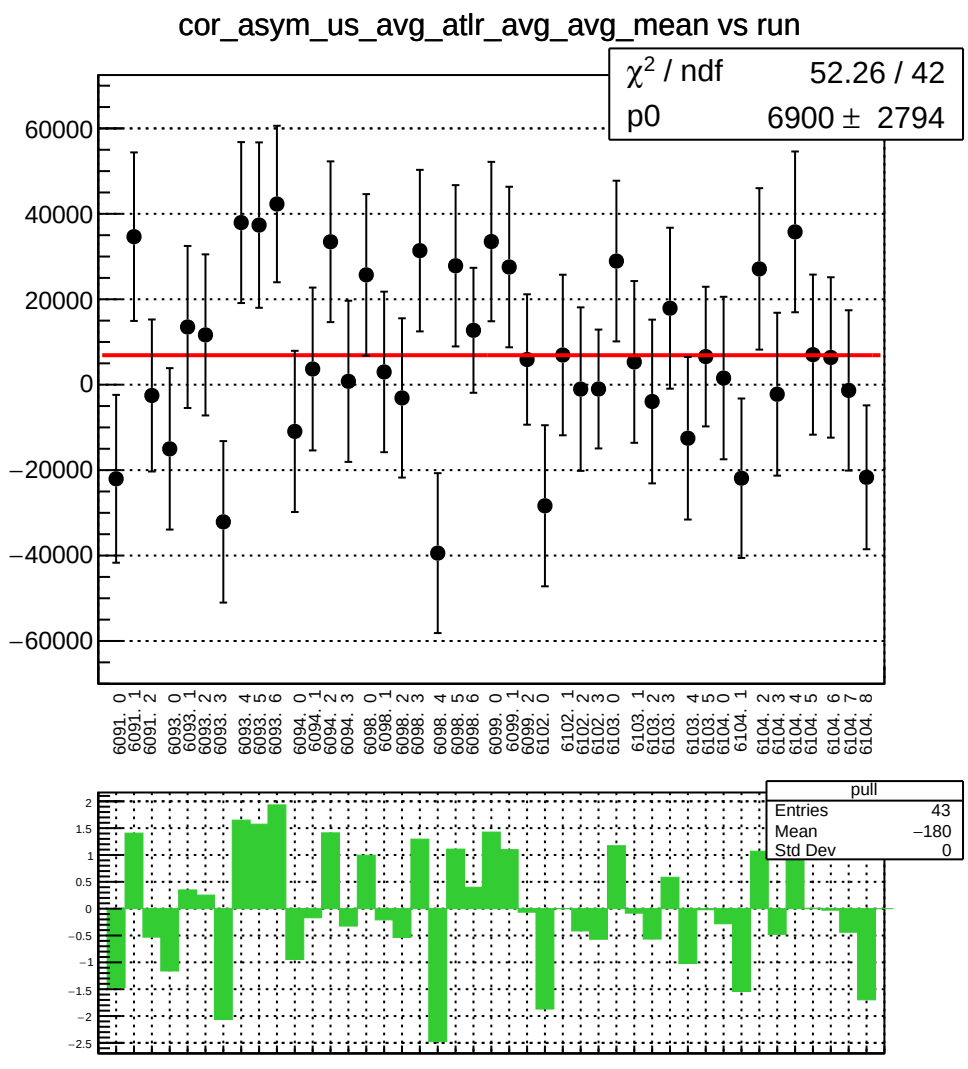

reg_asym_us_avg_atlr_avg_avg_mean vs run
χ² / ndf 52.26 / 42
p0 6900 ± 2794
60000
40000
20000
0
−20000
−40000
−60000
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean −179.9
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

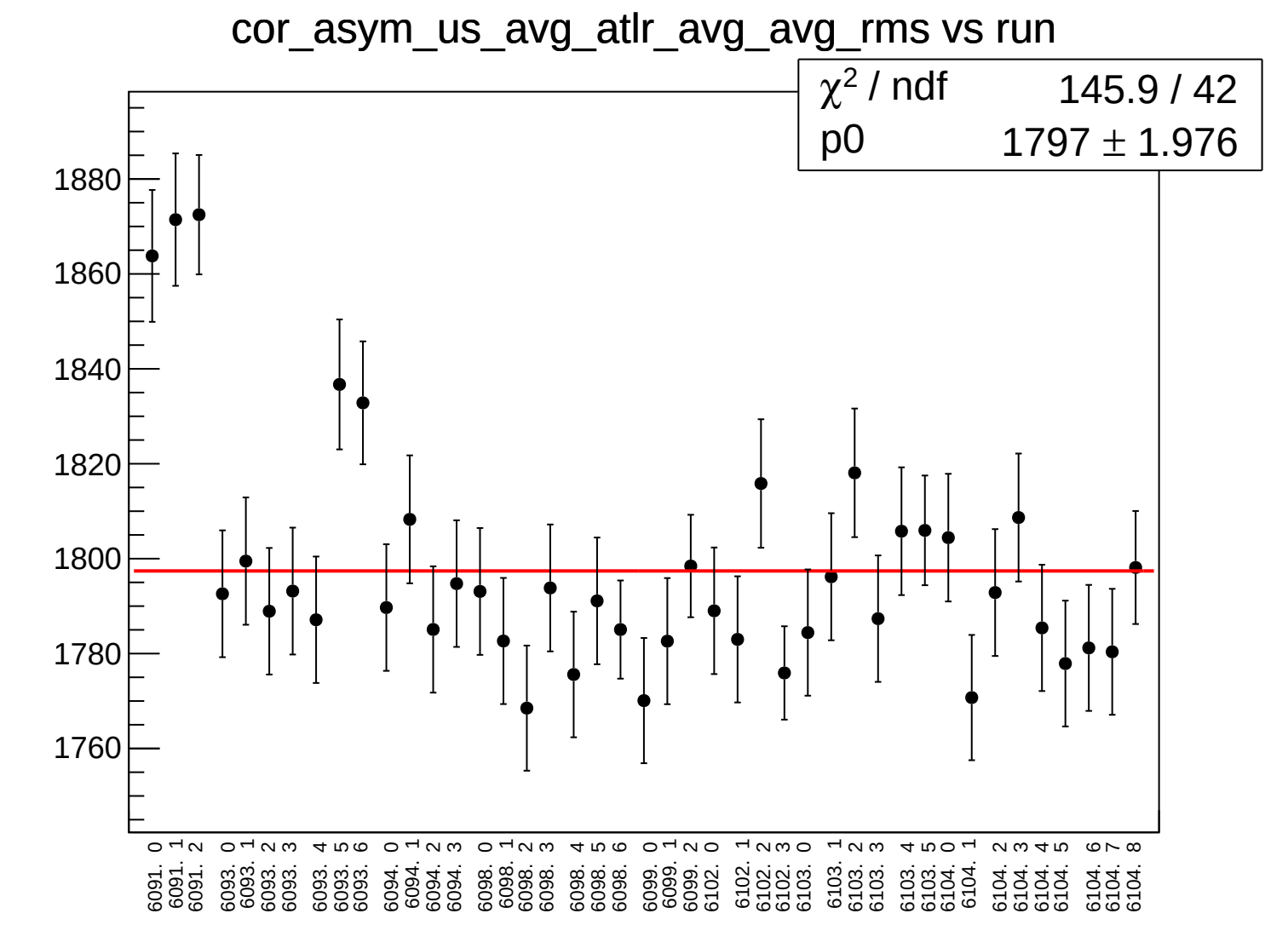

pull1D
Entries 43
Mean 0.007194
Std Dev 1.102
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

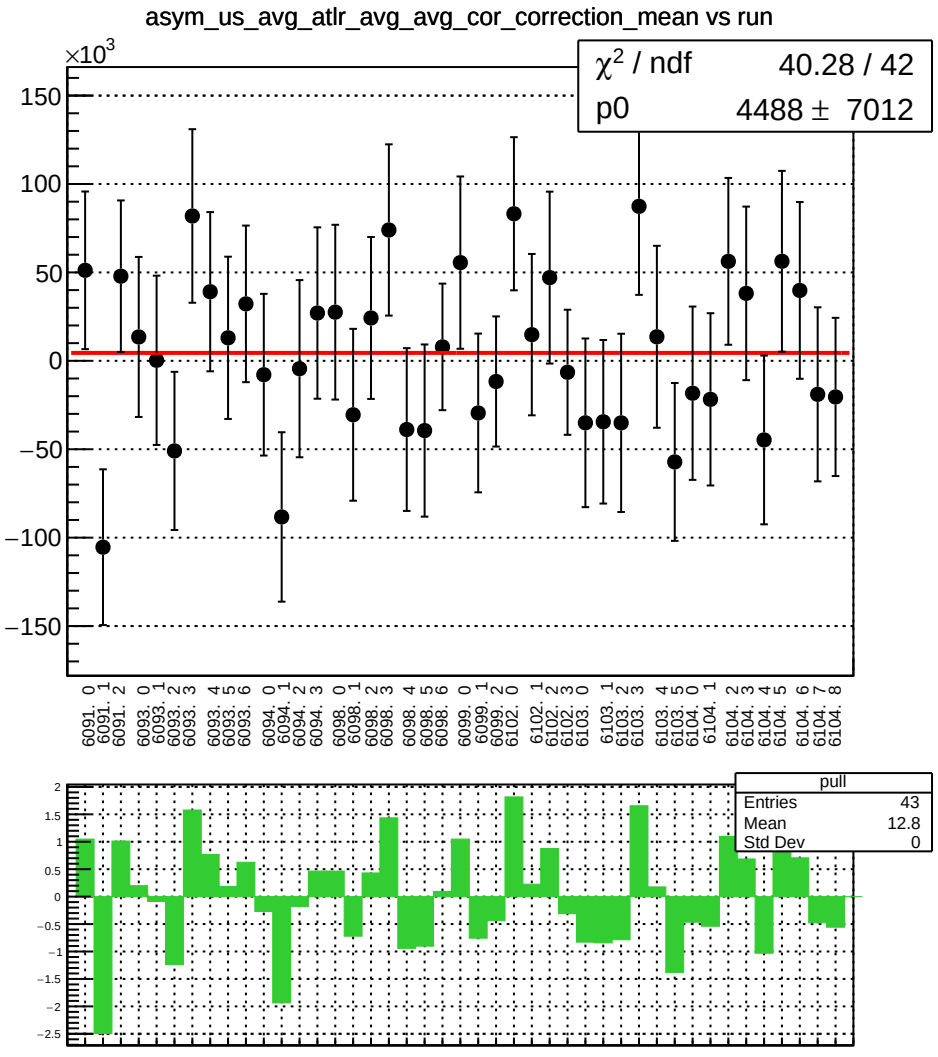

reg_asym_us_avg_atlr_avg_avg_rms vs run
χ² / ndf 145.9 / 42
p0 1797 ± 1.976
1880
1860
1840
1820
1800
1780
1760
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

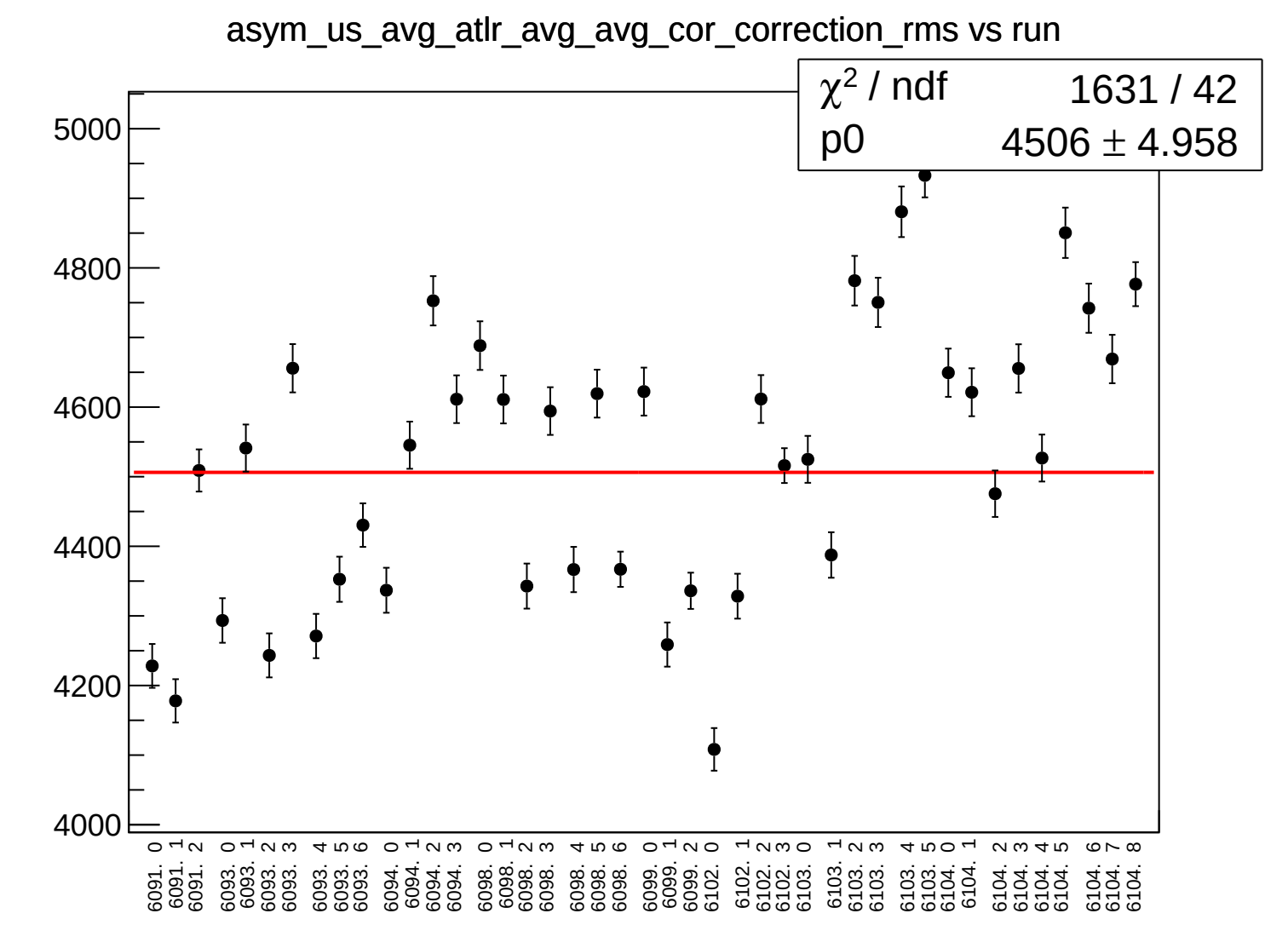

asym_us_avg_atlr_avg_avg_reg_correction_mean vs run
×10^3
χ² / ndf 40.28 / 42
p0 4487 ± 7012
150
100
50
0
−50
−100
−150
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 12.84
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5
pull1D
Entries 43
Mean 0.01001
Std Dev 0.9679
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

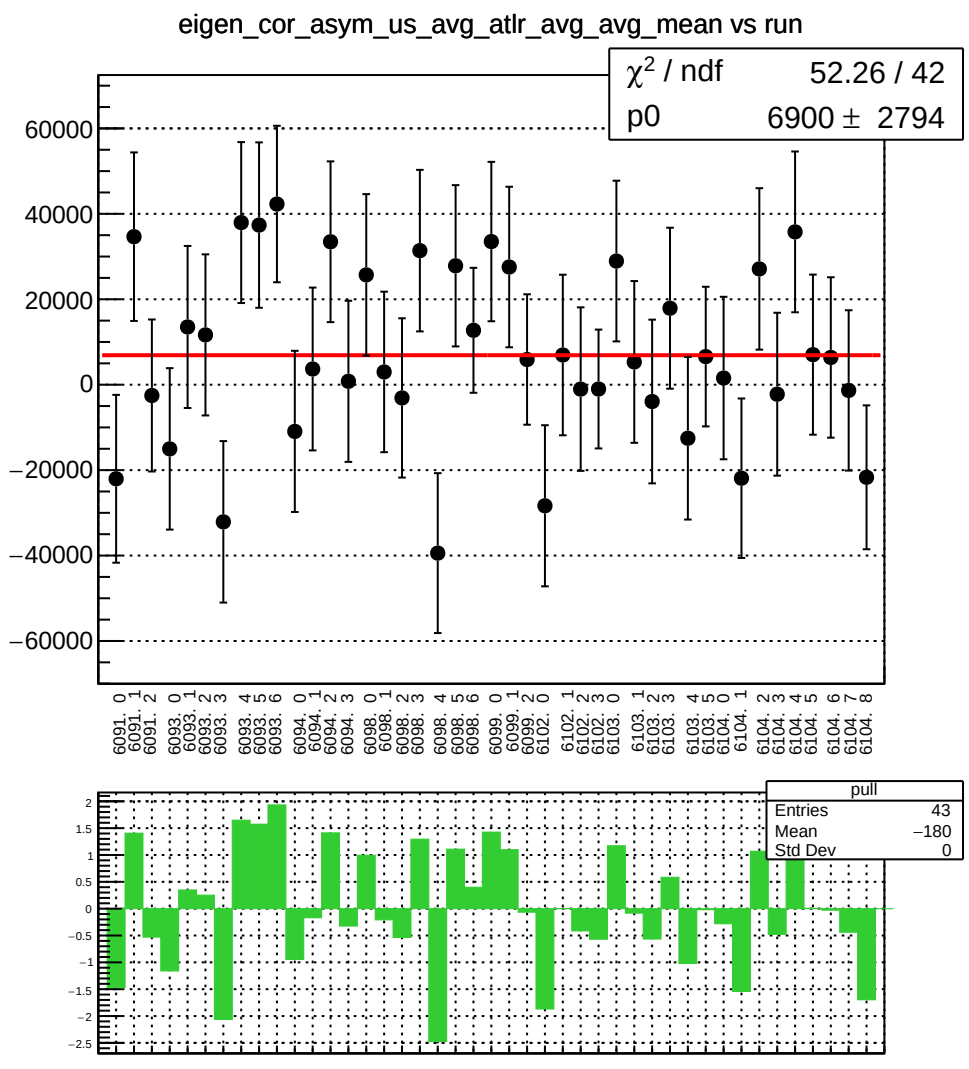

asym_us_avg_atlr_avg_avg_reg_correction_rms vs run
χ² / ndf 1631 / 42
p0 4506 ± 4.958
5000
4800
4600
4400
4200
4000
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

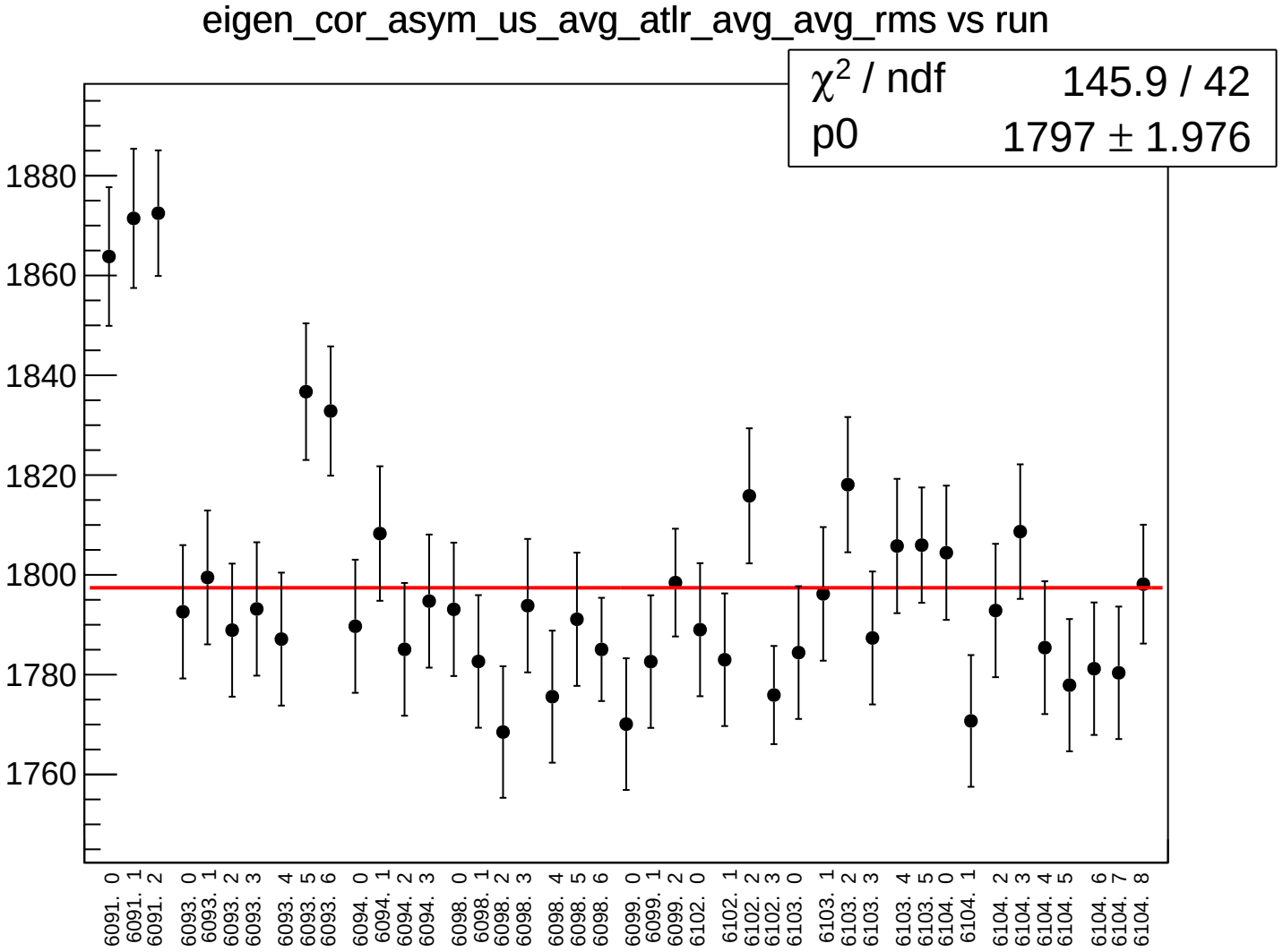

cor_asym_us_avg_atlr_avg_avg_mean vs run
χ² / ndf 52.26 / 42
p0 6900 ± 2794
60000
40000
20000
0
−20000
−40000
−60000
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean −180
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5
pull1D
Entries 43
Mean 0.007194
Std Dev 1.102
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

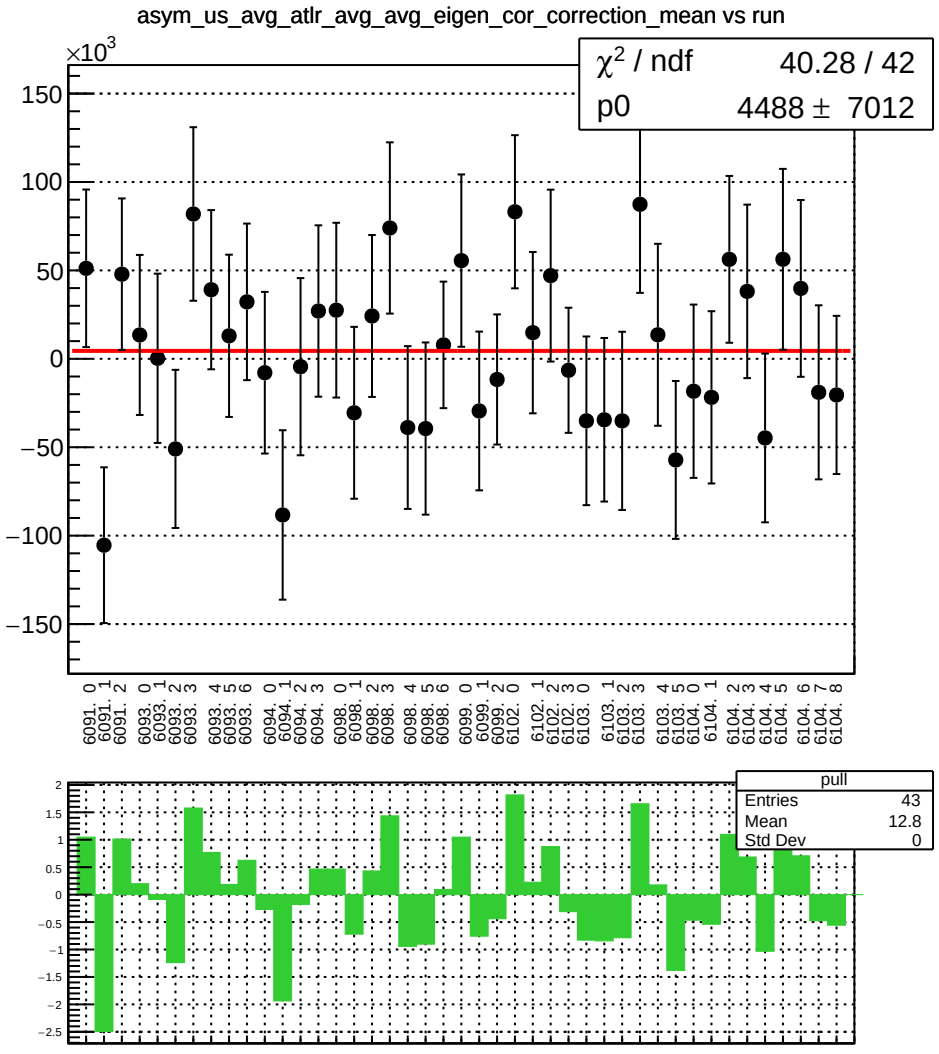

cor_asym_us_avg_atlr_avg_avg_rms vs run
χ² / ndf 145.9 / 42
p0 1797 ± 1.976
1880
1860
1840
1820
1800
1780
1760
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

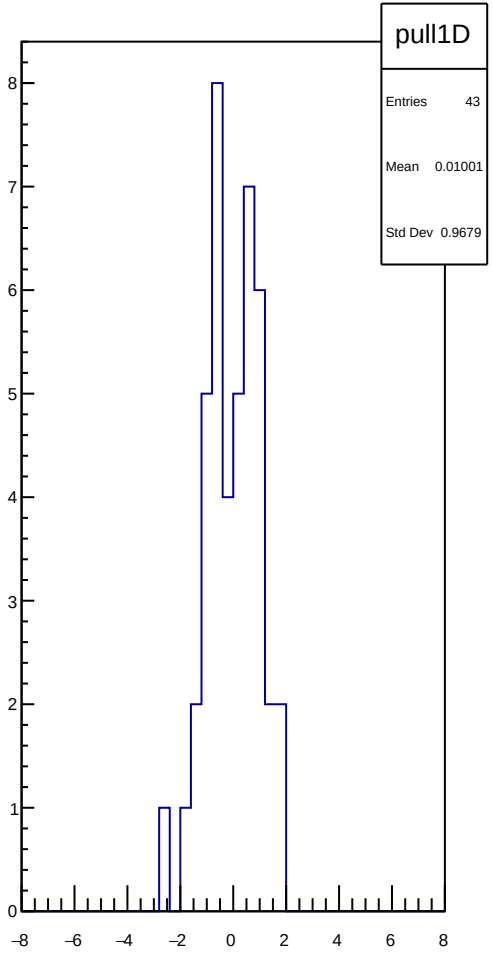

asym_us_avg_atlr_avg_avg_cor_correction_mean vs run
×10^3
χ² / ndf 40.28 / 42
p0 4488 ± 7012
150
100
50
0
−50
−100
−150
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 12.8
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5
pull1D
Entries 43
Mean 0.01001
Std Dev 0.9679
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

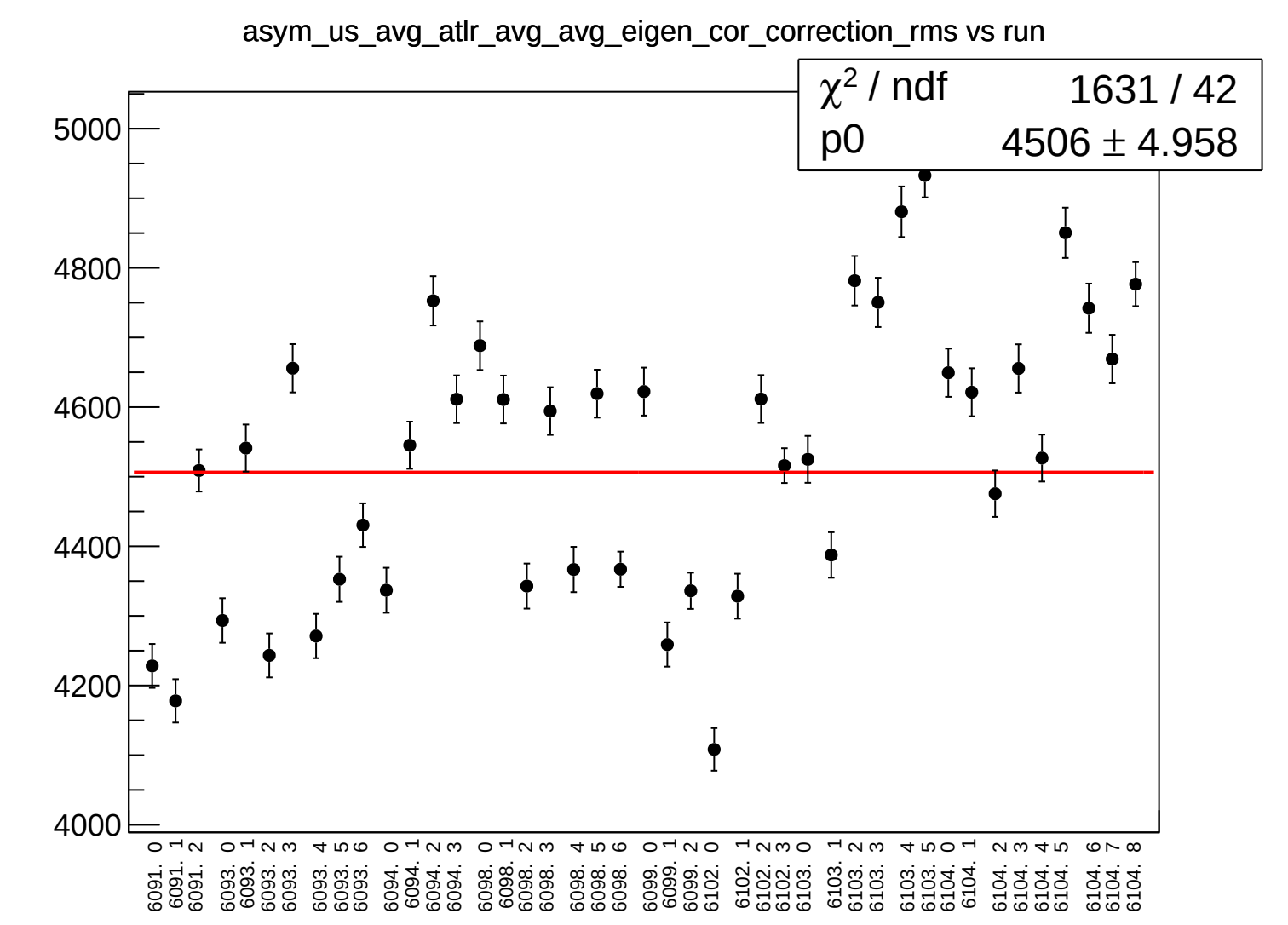

asym_us_avg_atlr_avg_avg_cor_correction_rms vs run
χ² / ndf 1631 / 42
p0 4506 ± 4.958
5000
4800
4600
4400
4200
4000
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

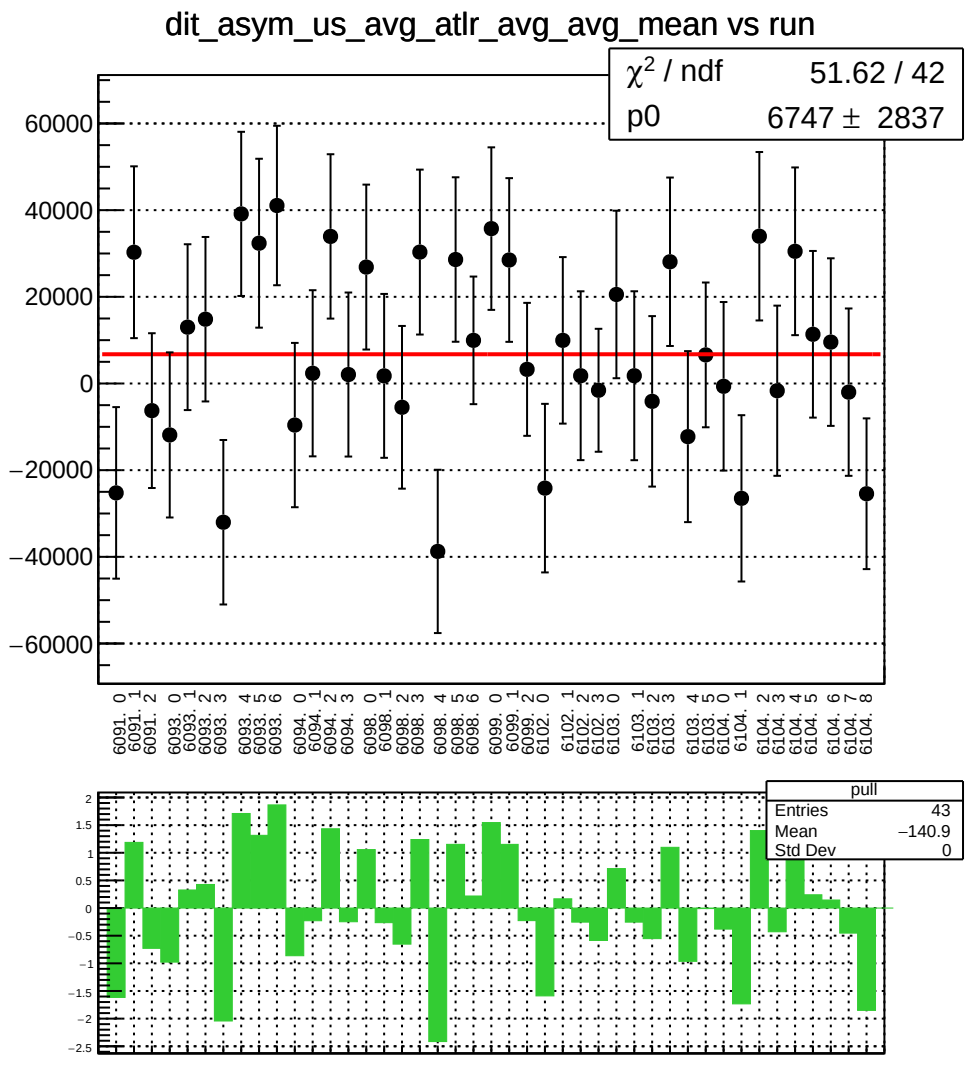

eigen_cor_asym_us_avg_atlr_avg_avg_mean vs run
χ² / ndf 52.26 / 42
p0 6900 ± 2794
60000
40000
20000
0
−20000
−40000
−60000
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean −180
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5
pull1D
Entries 43
Mean 0.007194
Std Dev 1.102
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

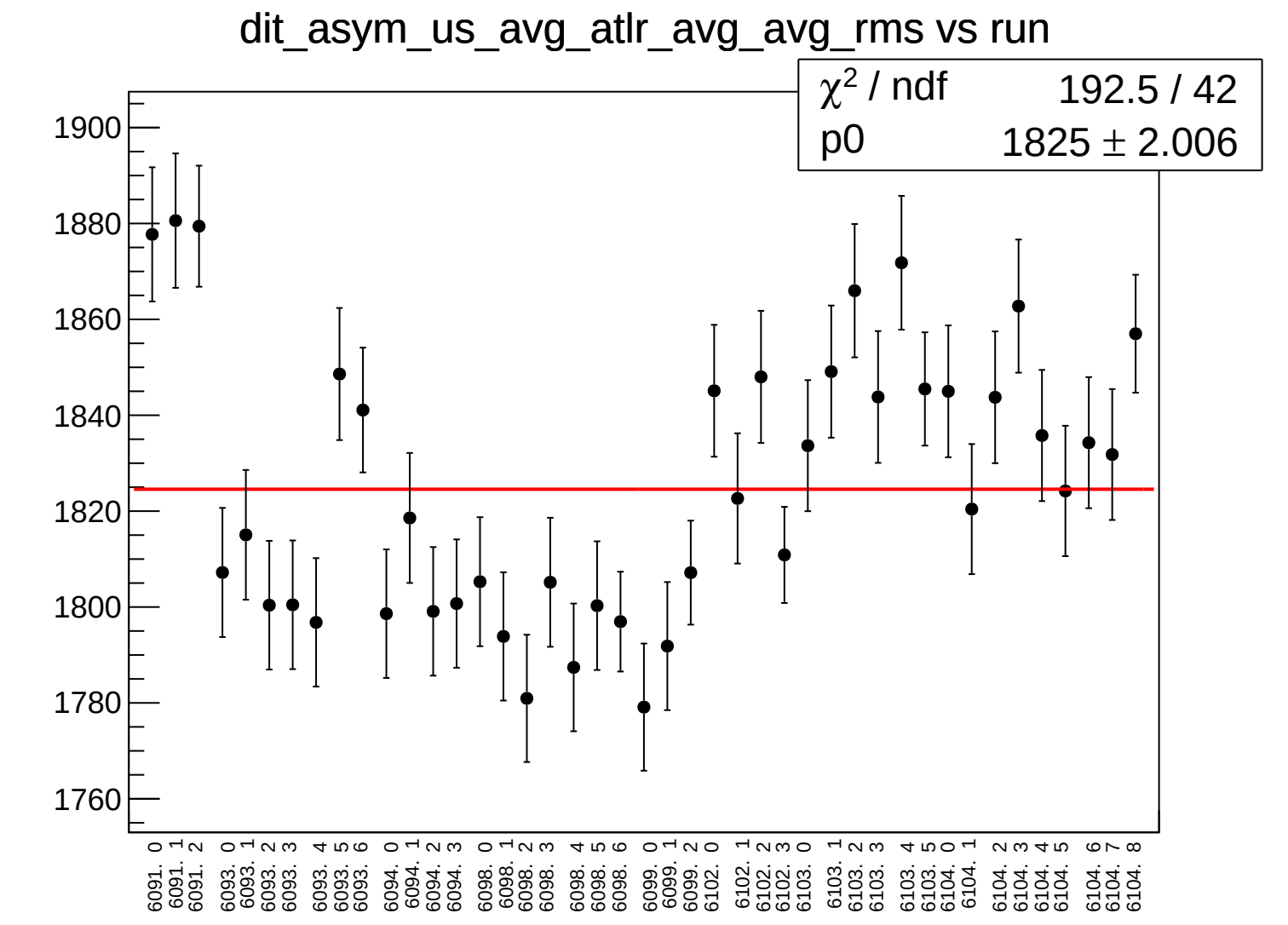

eigen_cor_asym_us_avg_atlr_avg_avg_rms vs run
χ² / ndf 145.9 / 42
p0 1797 ± 1.976
1880
1860
1840
1820
1800
1780
1760
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

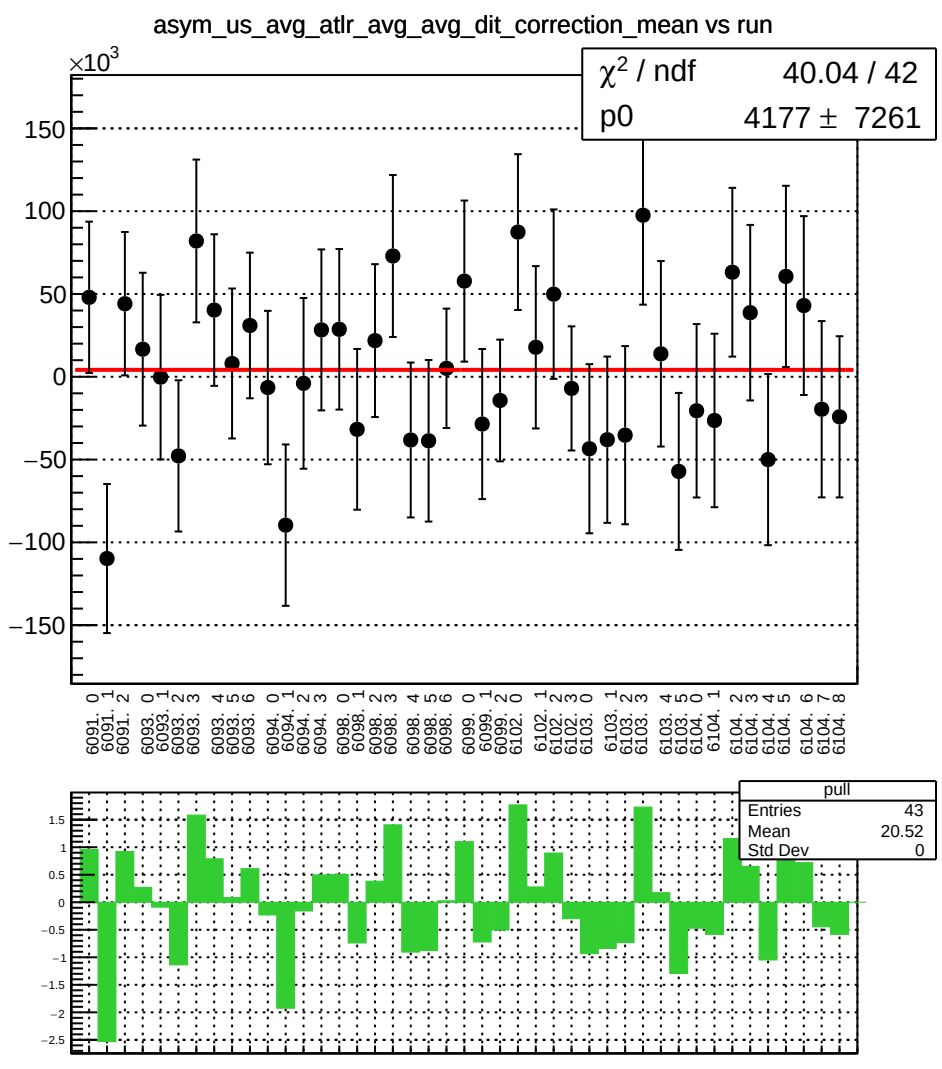

asym_us_avg_atlr_avg_avg_eigen_cor_correction_mean vs run
×10^3
χ² / ndf 40.28 / 42
p0 4488 ± 7012
150
100
50
0
−50
−100
−150
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 12.8
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

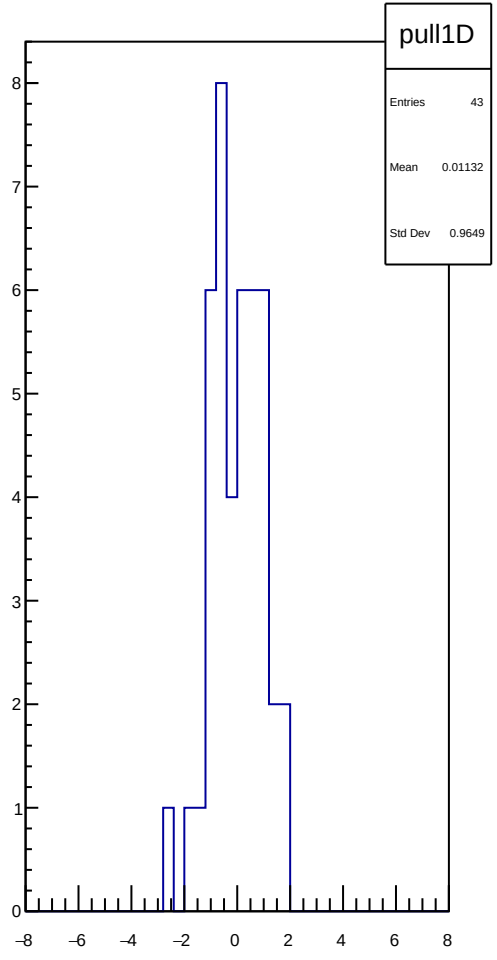

pull1D
Entries 43
Mean 0.01001
Std Dev 0.9679
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

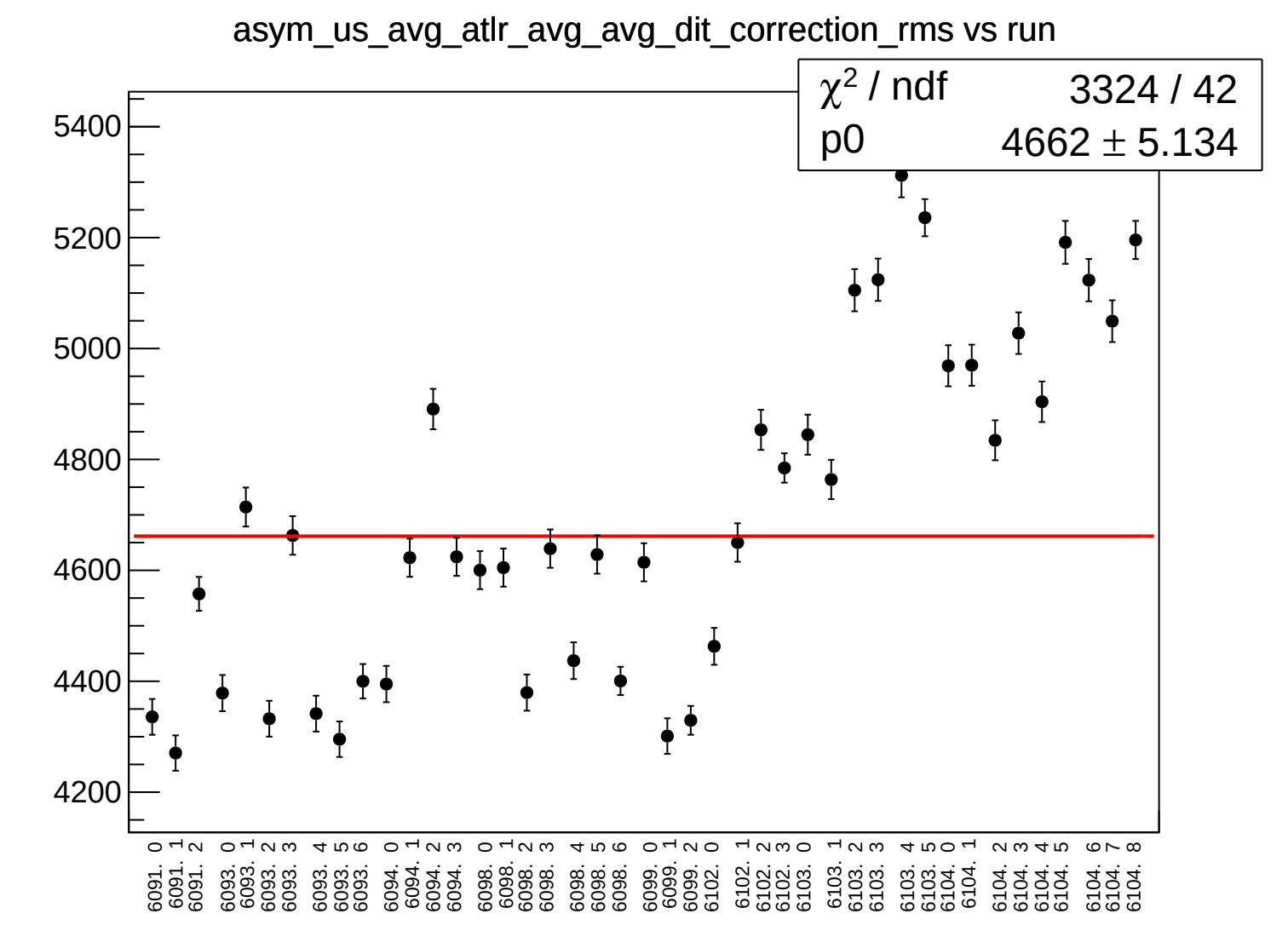

asym_us_avg_atlr_avg_avg_eigen_cor_correction_rms vs run
χ² / ndf 1631 / 42
p0 4506 ± 4.958
5000
4800
4600
4400
4200
4000
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

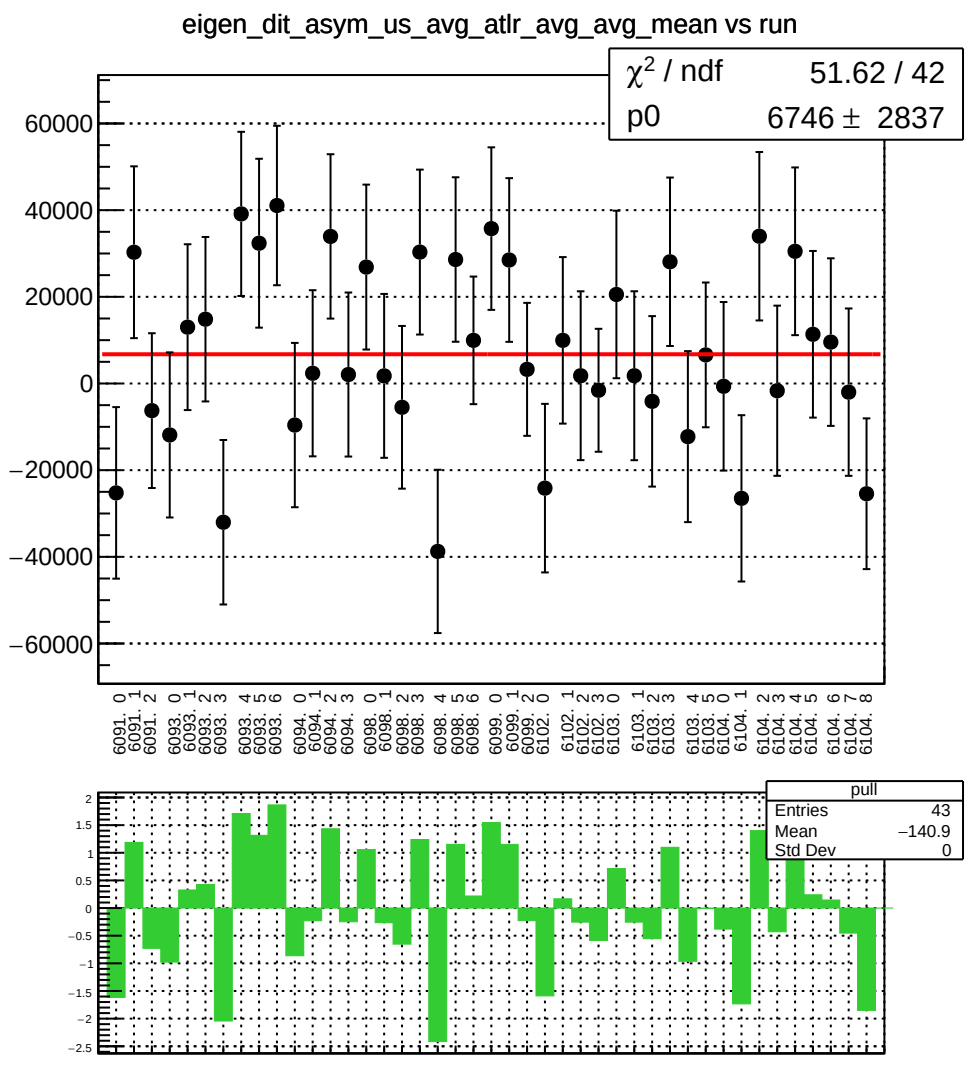

dit_asym_us_avg_atlr_avg_avg_mean vs run
χ² / ndf 51.62 / 42
p0 6747 ± 2837
60000
40000
20000
0
−20000
−40000
−60000
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean −140.9
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5
pull1D
Entries 43
Mean 0.00722
Std Dev 1.096
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

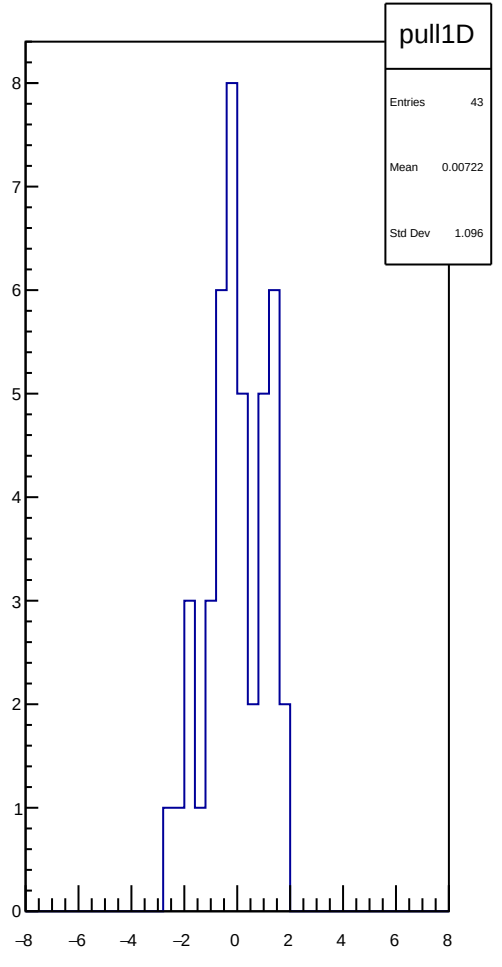

dit_asym_us_avg_atlr_avg_avg_rms vs run
χ² / ndf 192.5 / 42
p0 1825 ± 2.006
1900
1880
1860
1840
1820
1800
1780
1760
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

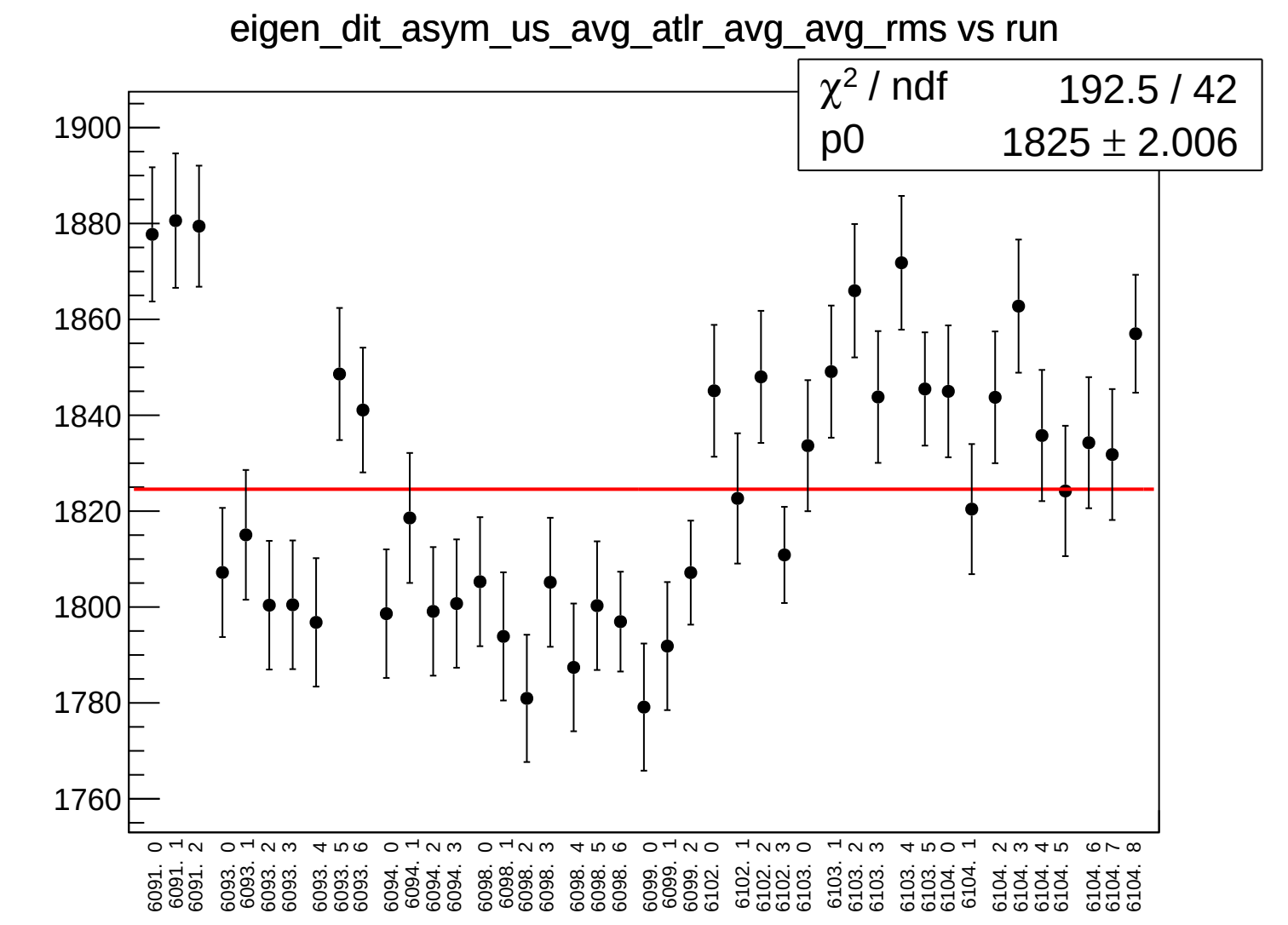

asym_us_avg_atlr_avg_avg_dit_correction_mean vs run
×10^3
χ^2 / ndf 40.04 / 42
p0 4177 ± 7261
150
100
50
0
−50
−100
−150
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 20.52
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

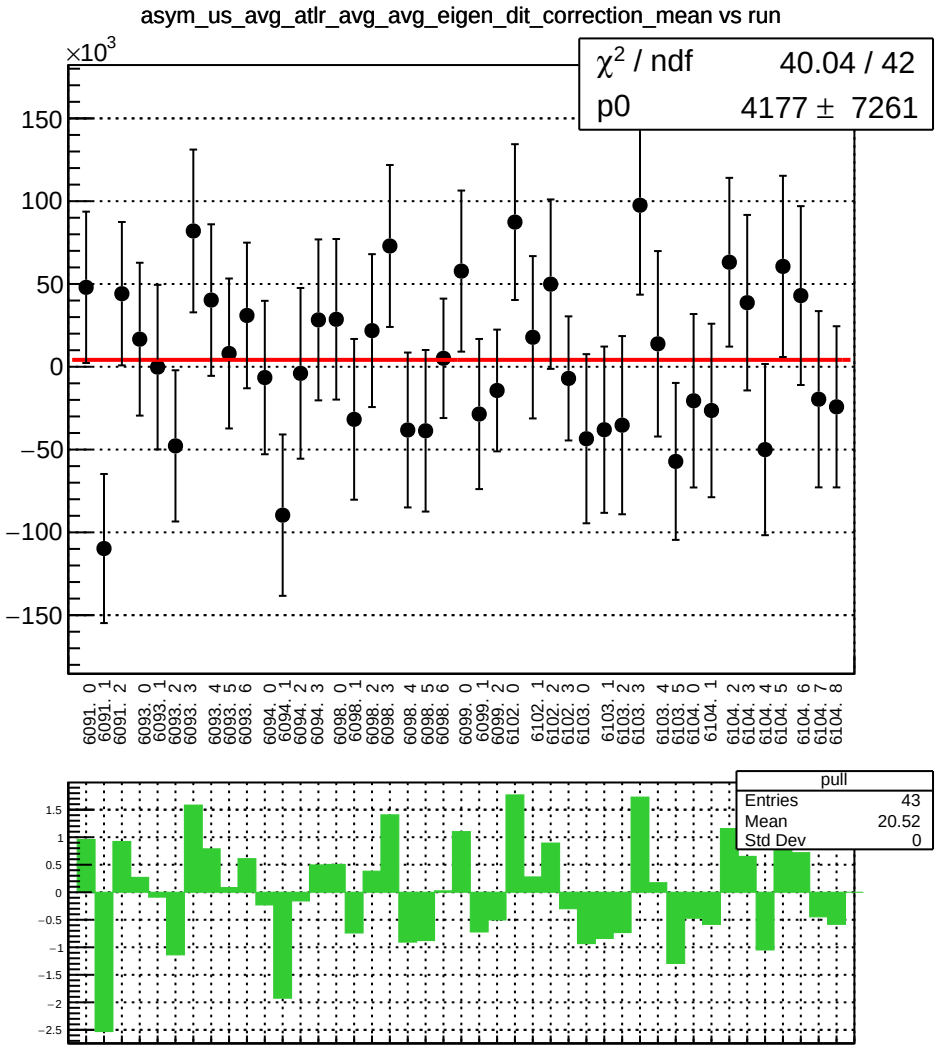

pull1D
Entries 43
Mean 0.01132
Std Dev 0.9649
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

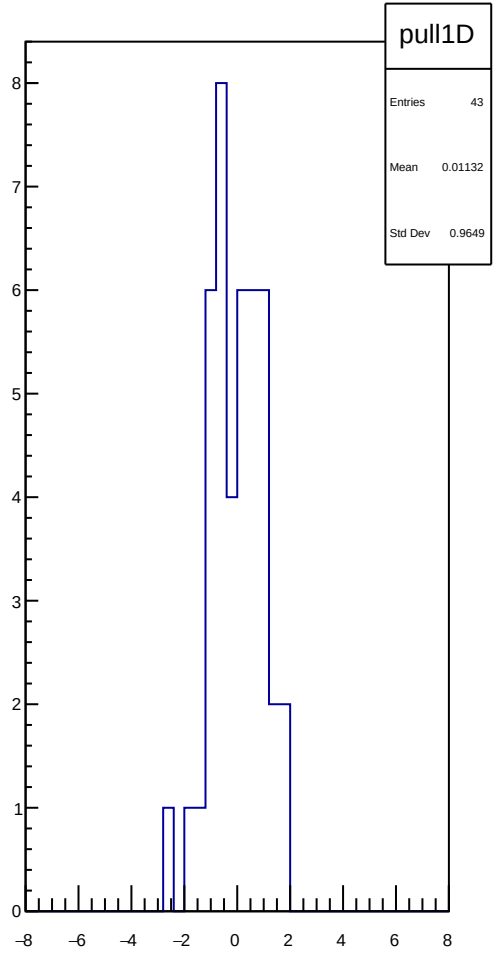

asym_us_avg_atlr_avg_avg_dit_correction_rms vs run
χ² / ndf 3324 / 42
p0 4662 ± 5.134
5400
5200
5000
4800
4600
4400
4200
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

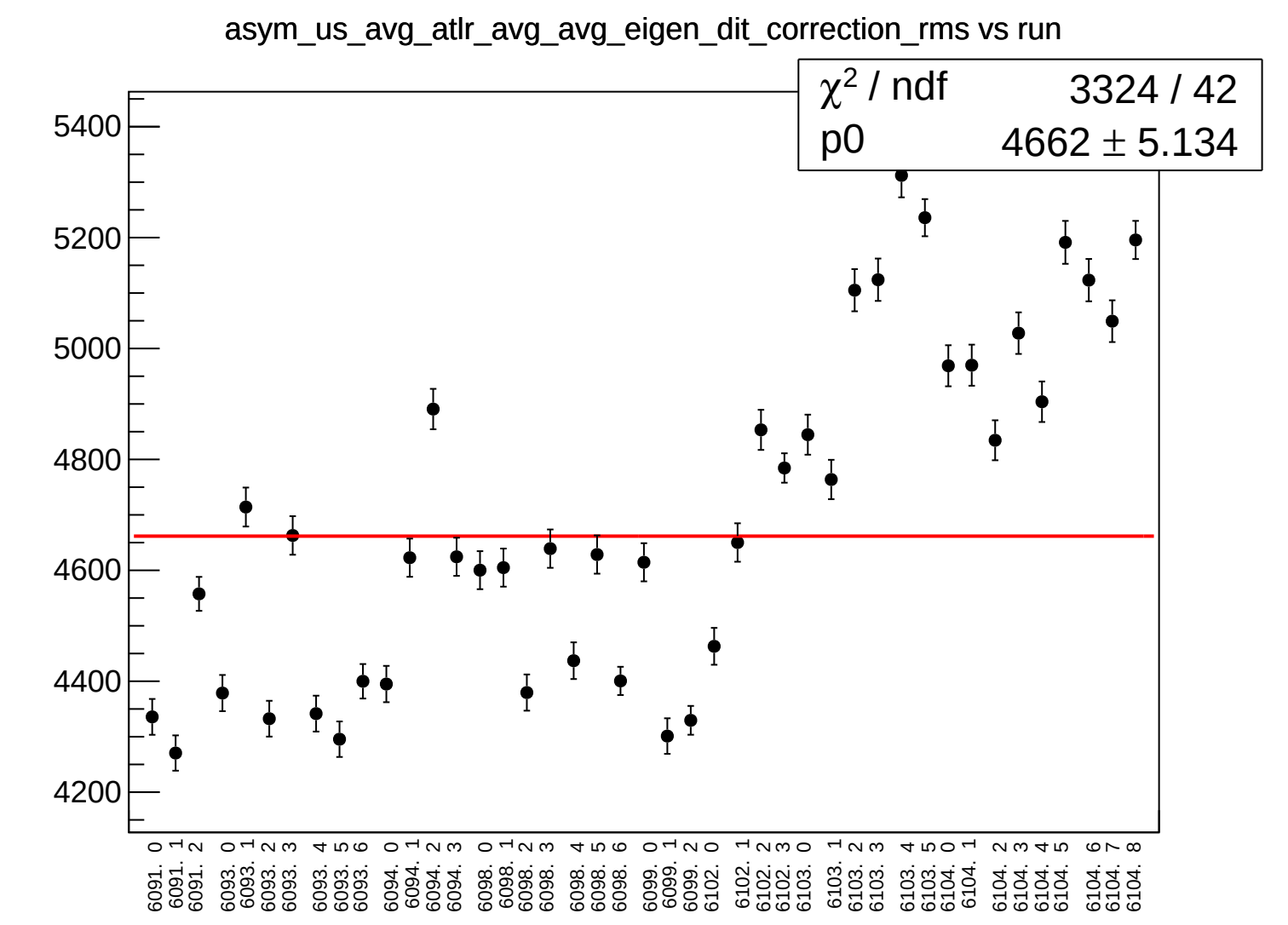

eigen_dit_asym_us_avg_atlr_avg_avg_mean vs run
χ² / ndf 51.62 / 42
p0 6746 ± 2837
60000
40000
20000
0
−20000
−40000
−60000
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean −140.9
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

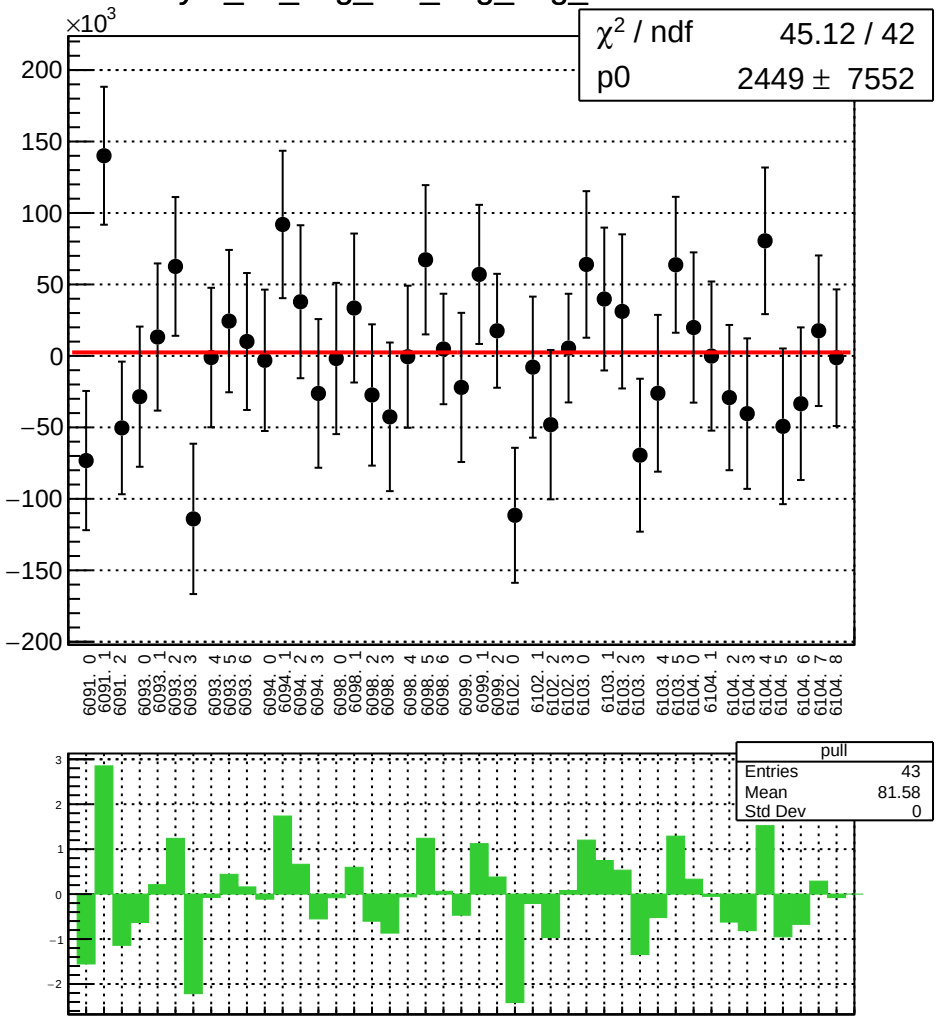

pull1D
Entries 43
Mean 0.00722
Std Dev 1.096
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

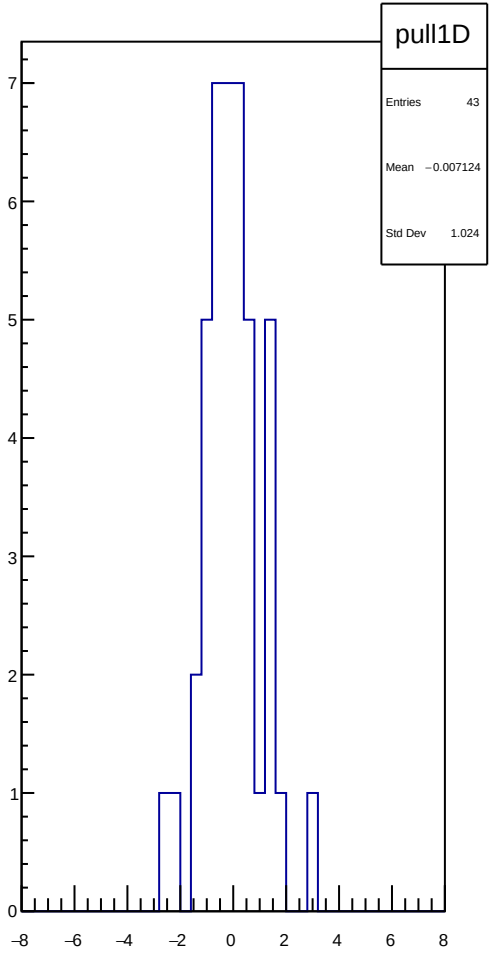

eigen_dit_asym_us_avg_atlr_avg_avg_rms vs run
χ² / ndf 192.5 / 42
p0 1825 ± 2.006
1900
1880
1860
1840
1820
1800
1780
1760
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

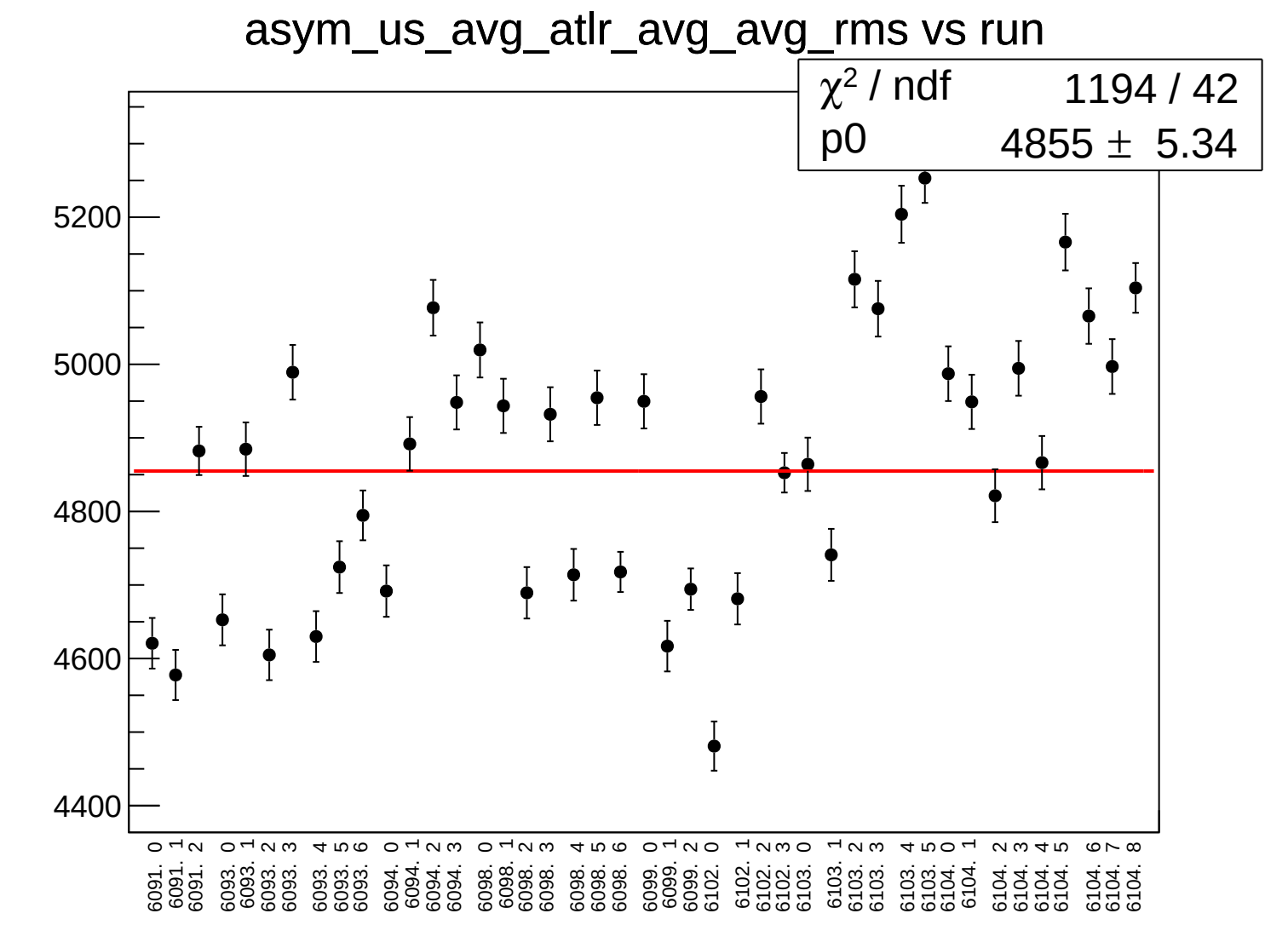

asym_us_avg_atlr_avg_avg_eigen_dit_correction_mean vs run
×10^3
χ^2 / ndf 40.04 / 42
p0 4177 ± 7261
150
100
50
0
−50
−100
−150
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 20.52
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

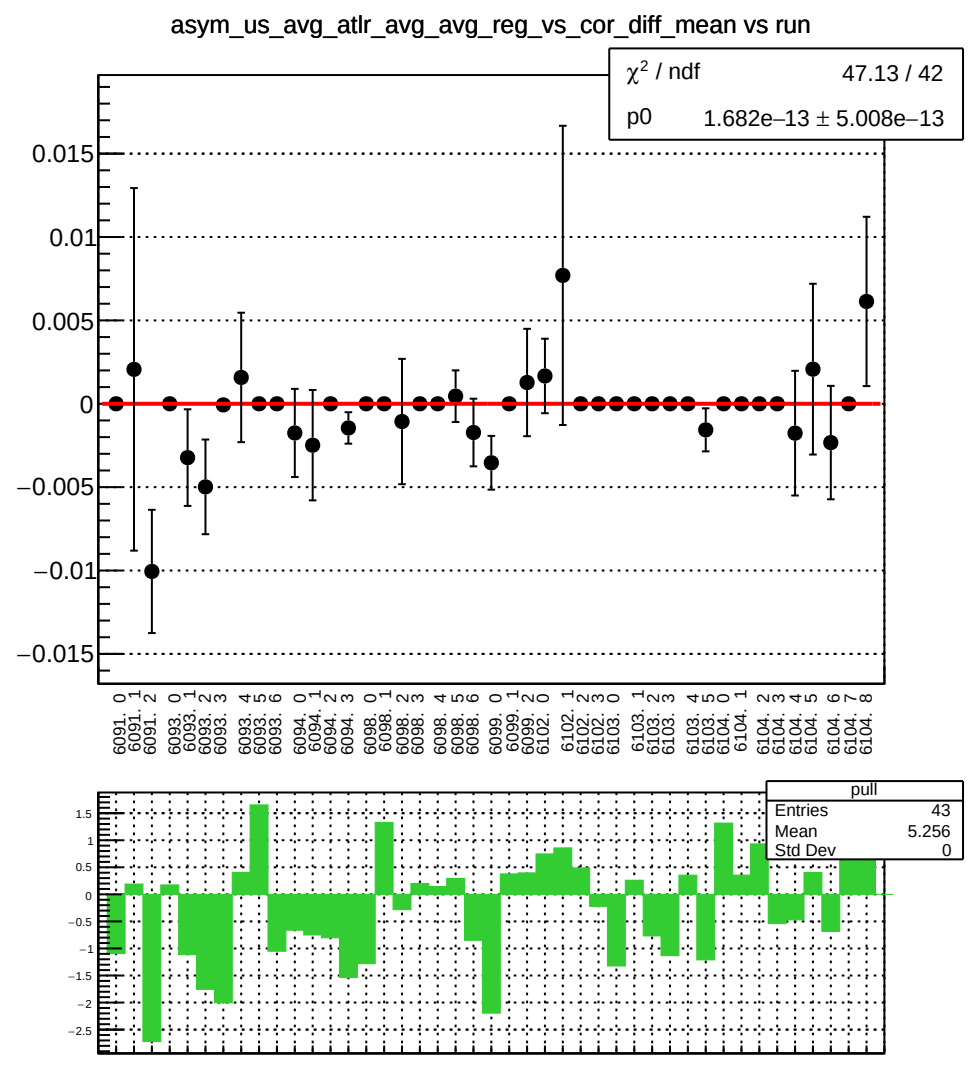

pull1D
Entries 43
Mean 0.01132
Std Dev 0.9649
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

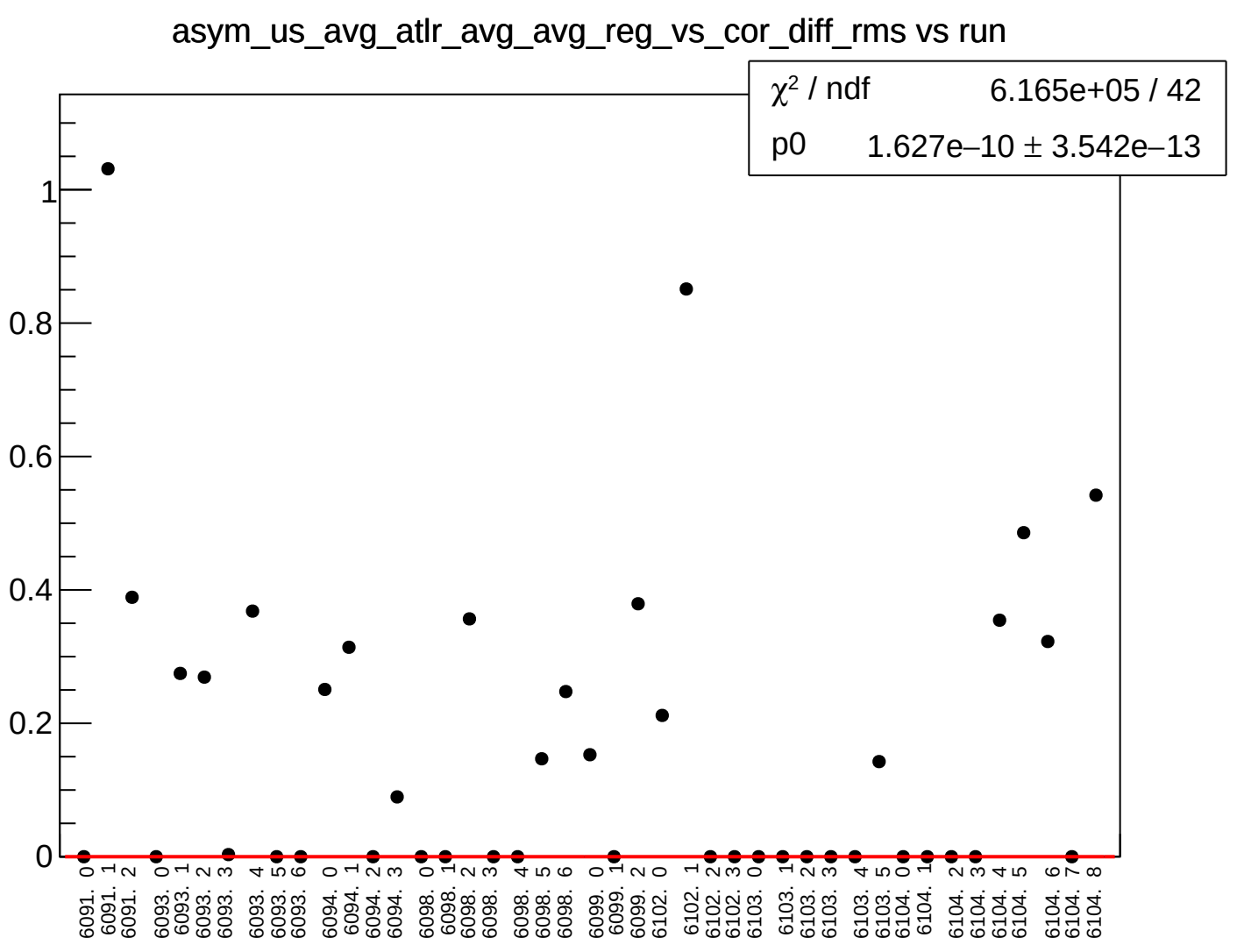

asym_us_avg_atlr_avg_avg_eigen_dit_correction_rms vs run
χ^2 / ndf 3324 / 42
p0 4662 ± 5.134
5400
5200
5000
4800
4600
4400
4200
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

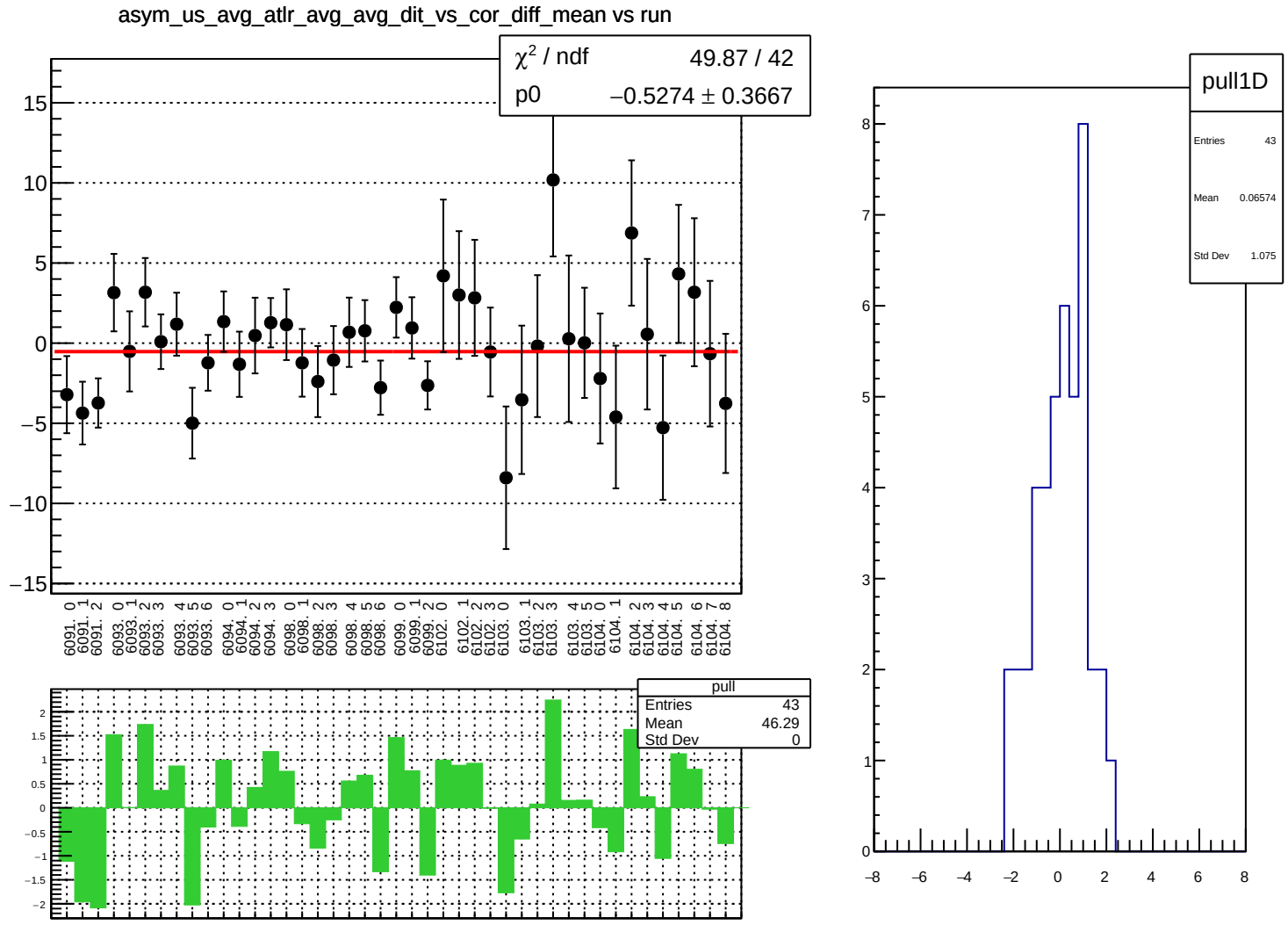

asym_us_avg_atlr_avg_avg_mean vs run
×10^3
χ² / ndf 45.12 / 42
p0 2449 ± 7552
200
150
100
50
0
−50
−100
−150
−200
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 81.58
Std Dev 0
3
2
1
0
−1
−2

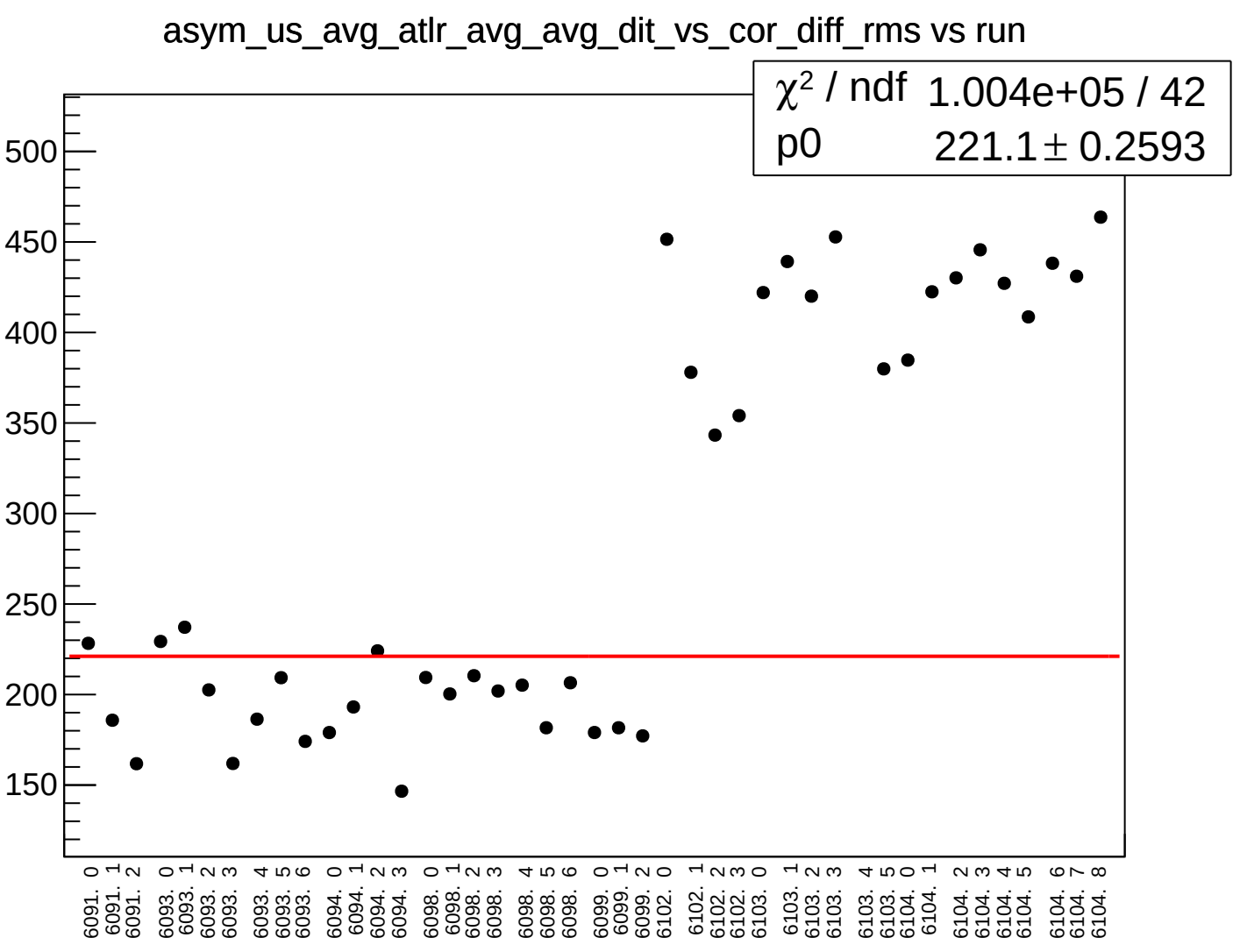

pull1D
Entries 43
Mean −0.007124
Std Dev 1.024
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

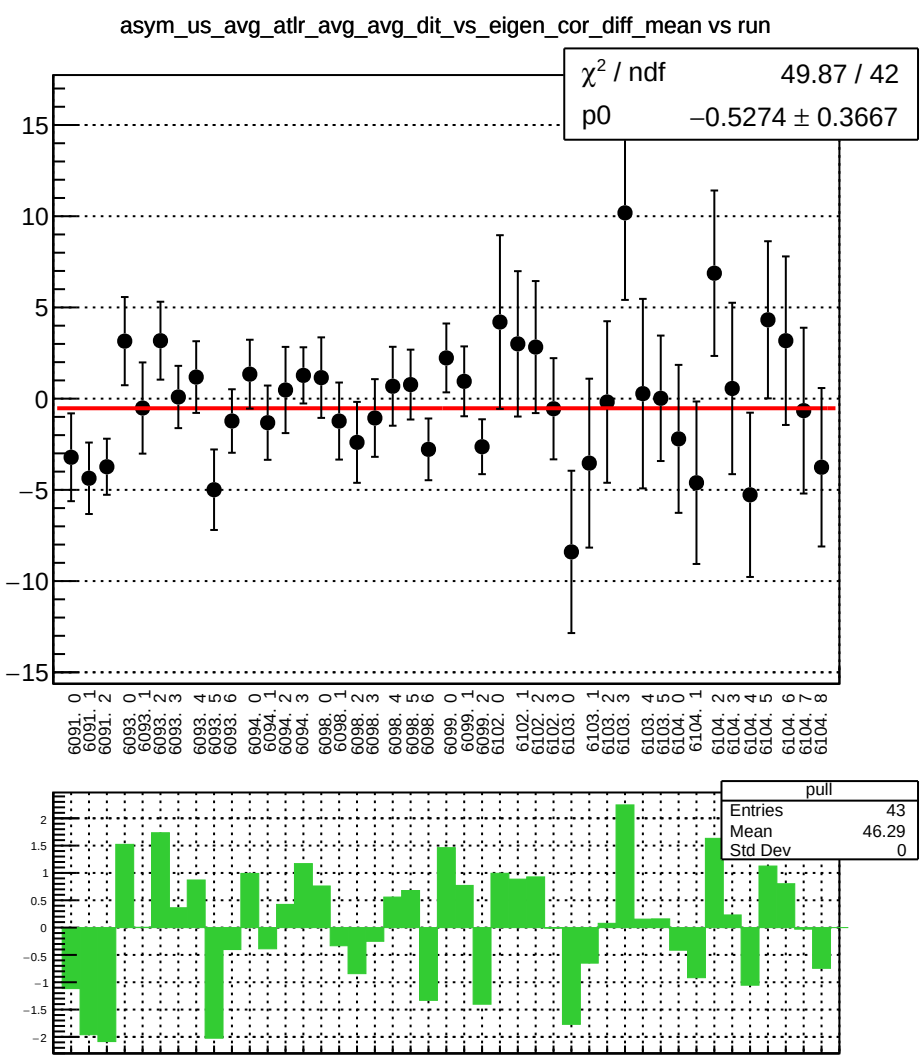

asym_us_avg_atlr_avg_avg_rms vs run
χ² / ndf 1194 / 42
p0 4855 ± 5.34
5200
5000
4800
4600
4400
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

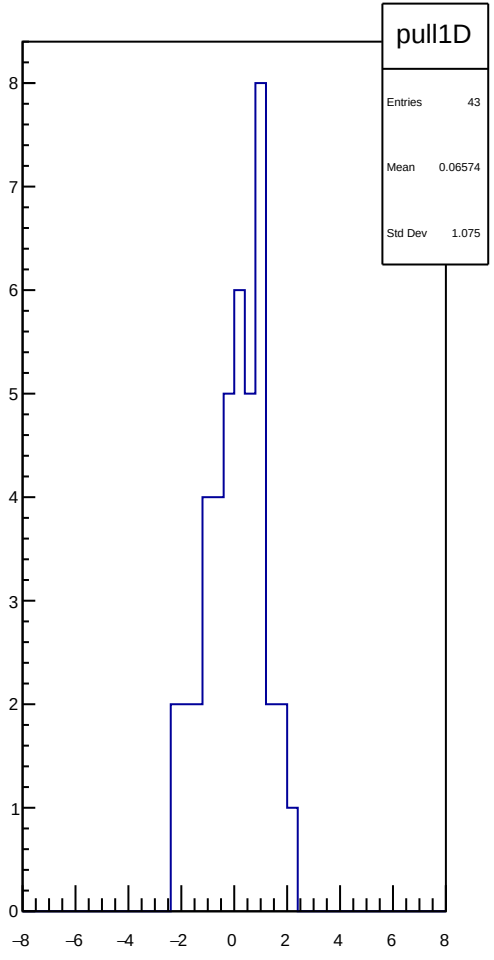

asym_us_avg_atlr_avg_avg_reg_vs_cor_diff_mean vs run
χ² / ndf 47.13 / 42
p0 1.682e−13 ± 5.008e−13
0.015
0.01
0.005
0
−0.005
−0.01
−0.015
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 5.256
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5
pull1D
Entries 43
Mean −0.2723
Std Dev 1.011
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

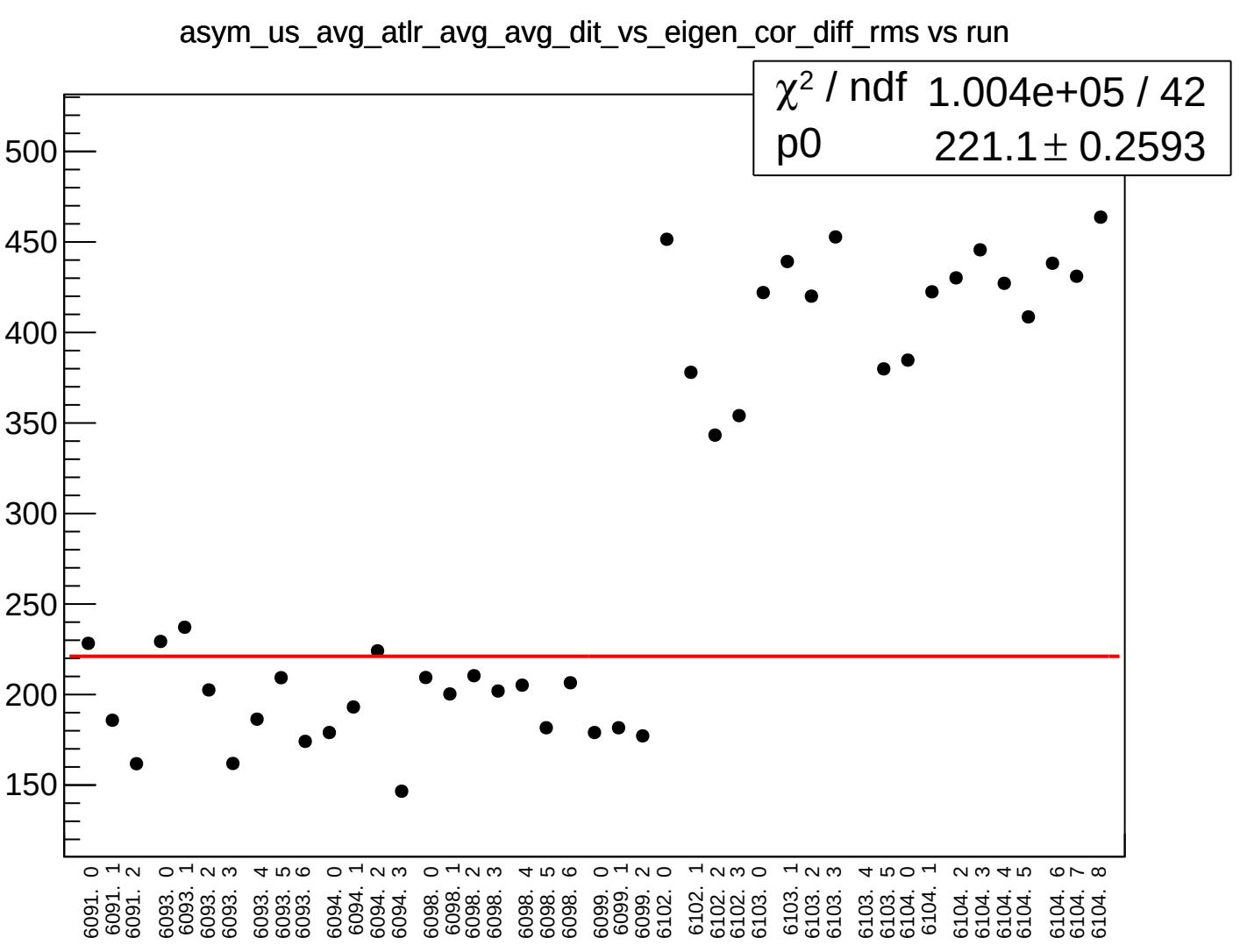

asym_us_avg_atlr_avg_avg_reg_vs_cor_diff_rms vs run
χ² / ndf 6.165e+05 / 42
p0 1.627e−10 ± 3.542e−13
1
0.8
0.6
0.4
0.2
0
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

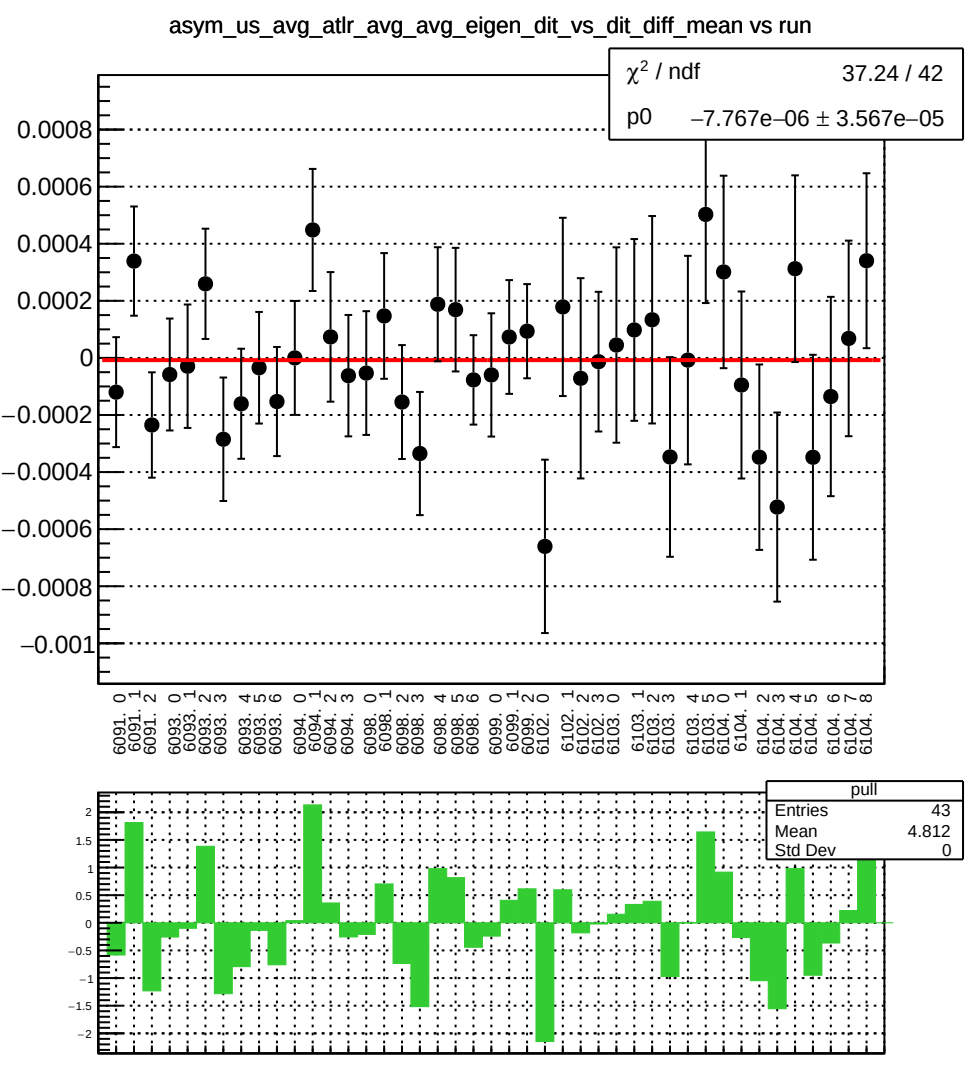

asym_us_avg_atlr_avg_avg_dit_vs_cor_diff_mean vs run
χ² / ndf 49.87 / 42
p0 −0.5274 ± 0.3667
pull
Entries 43
Mean 46.29
Std Dev 0
pull1D
Entries 43
Mean 0.06574
Std Dev 1.075

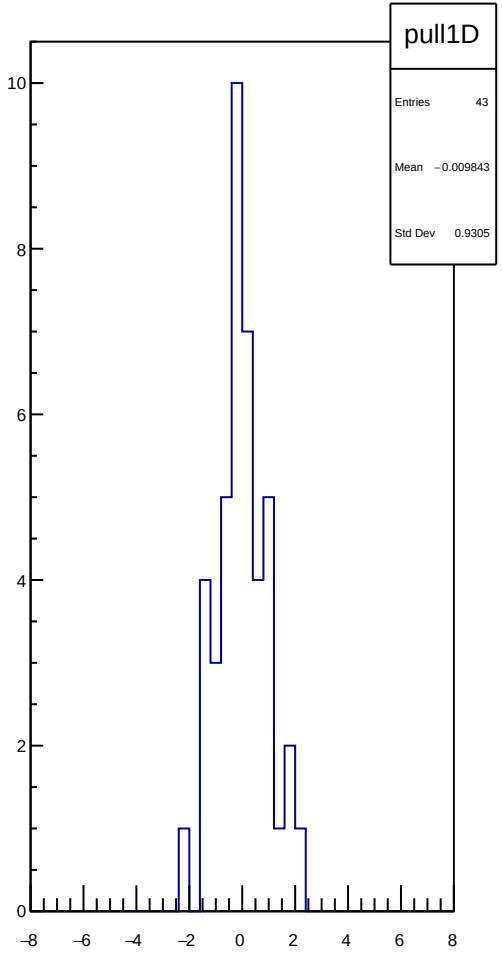

asym_us_avg_atlr_avg_avg_dit_vs_cor_diff_rms vs run
χ² / ndf 1.004e+05 / 42
p0 221.1 ± 0.2593
500
450
400
350
300
250
200
150
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

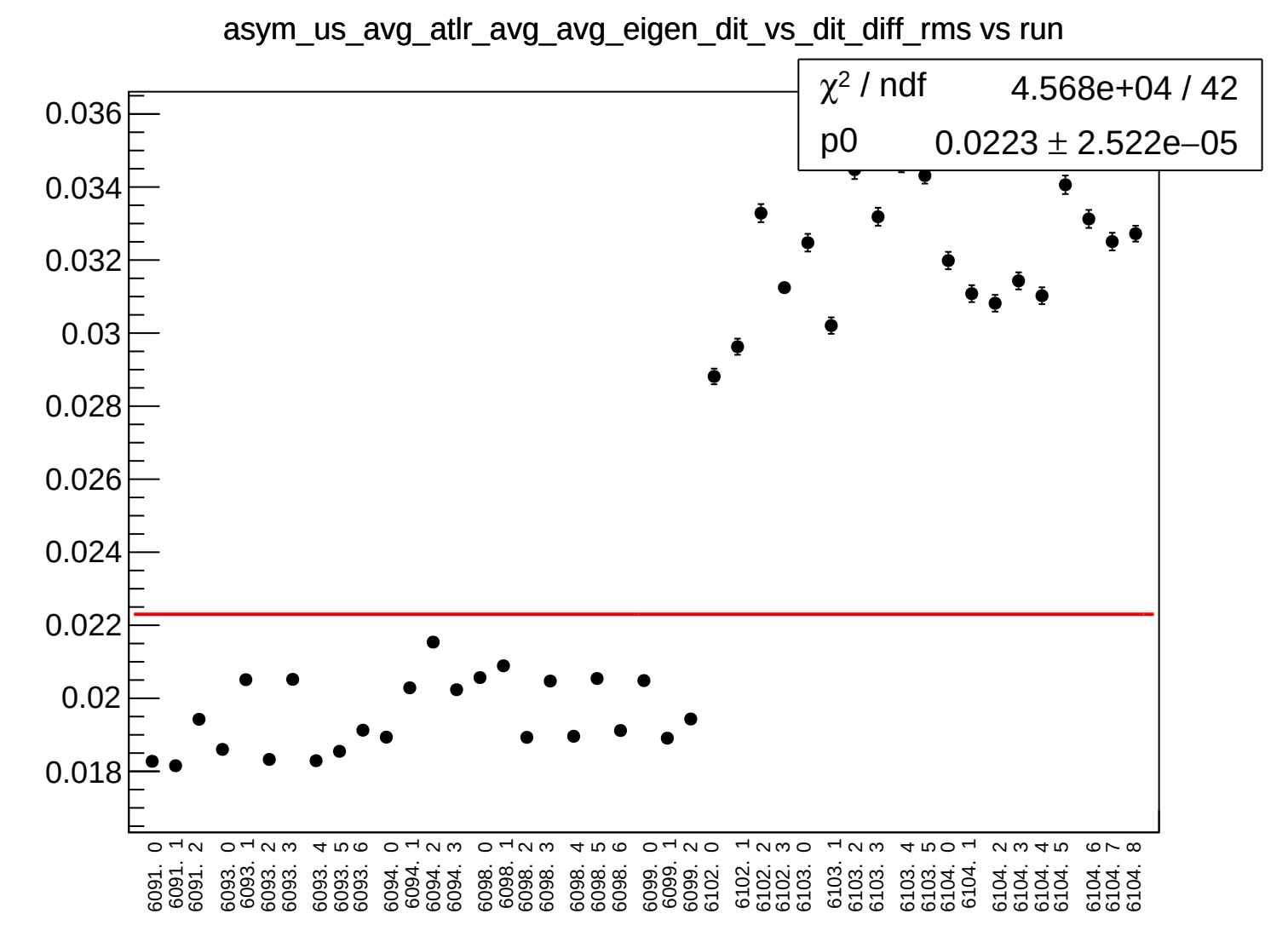

asym_us_avg_atlr_avg_avg_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 49.87 / 42
p0 −0.5274 ± 0.3667
pull
Entries 43
Mean 46.29
Std Dev 0

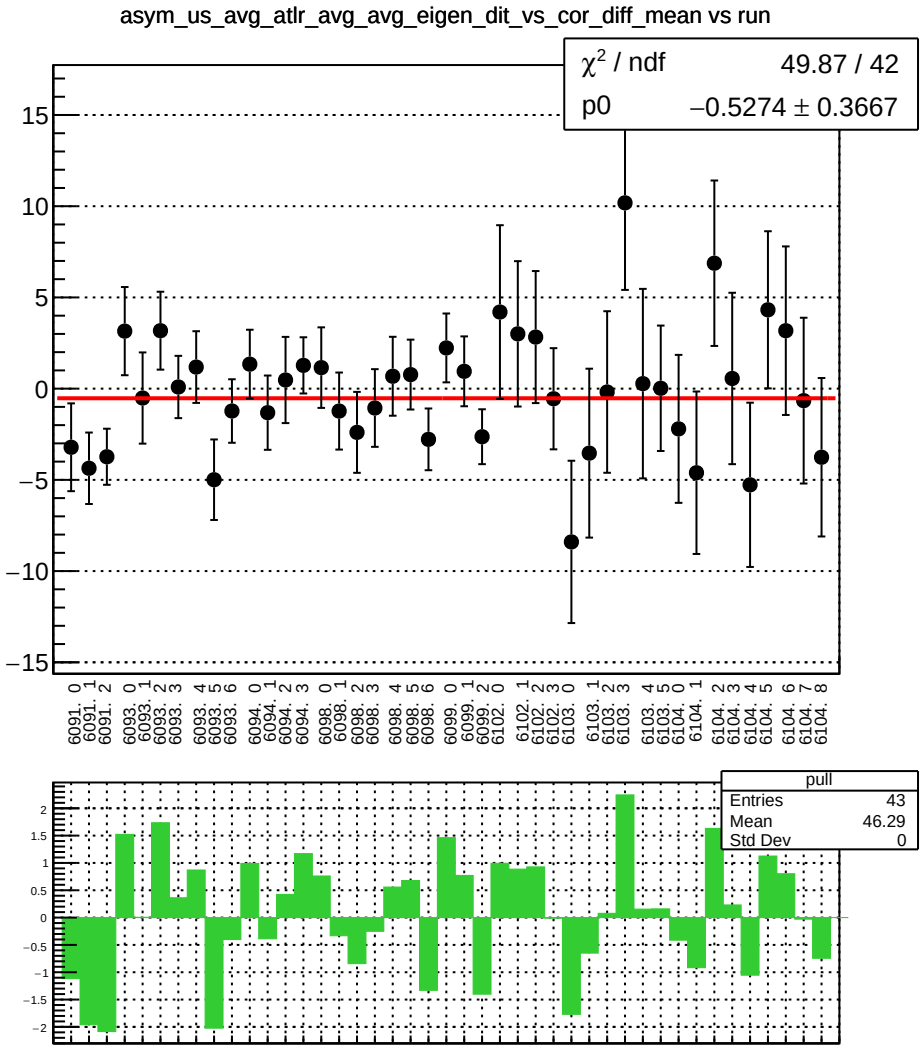

pull1D
Entries 43
Mean 0.06574
Std Dev 1.075

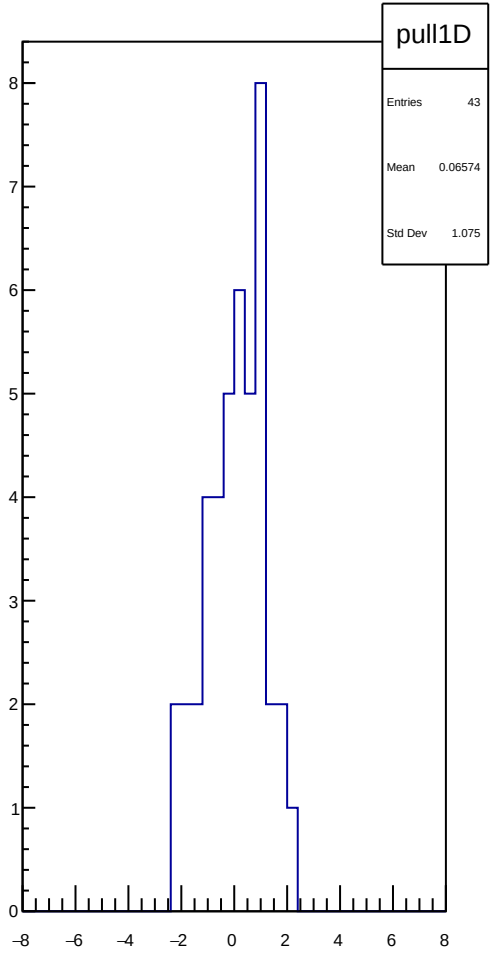

asym_us_avg_atlr_avg_avg_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.004e+05 / 42
p0 221.1 ± 0.2593
500
450
400
350
300
250
200
150
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

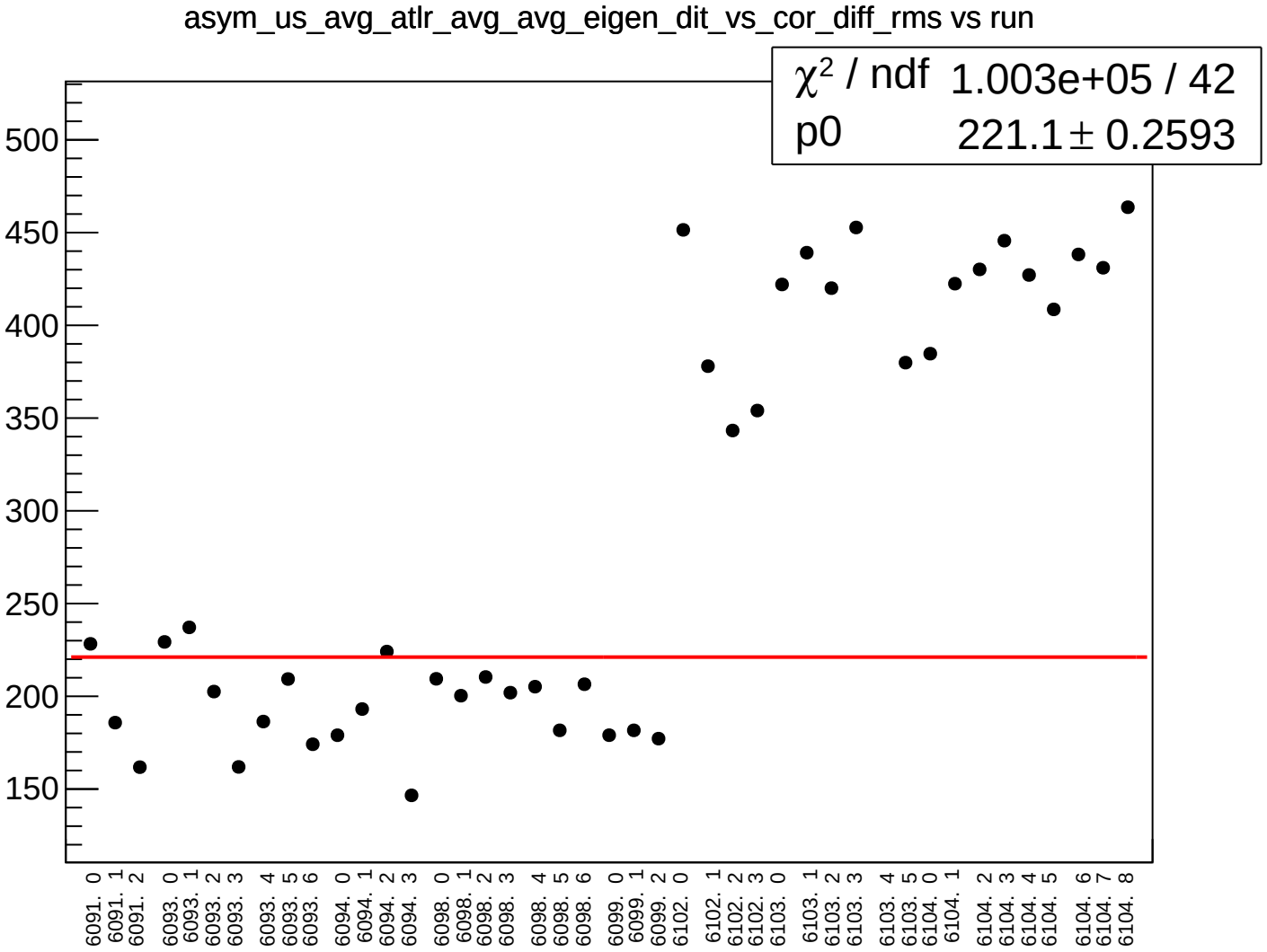

asym_us_avg_atlr_avg_avg_eigen_dit_vs_dit_diff_mean vs run
χ² / ndf 37.24 / 42
p0 −7.767e−06 ± 3.567e−05
0.0008
0.0006
0.0004
0.0002
0
−0.0002
−0.0004
−0.0006
−0.0008
−0.001
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 4.812
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

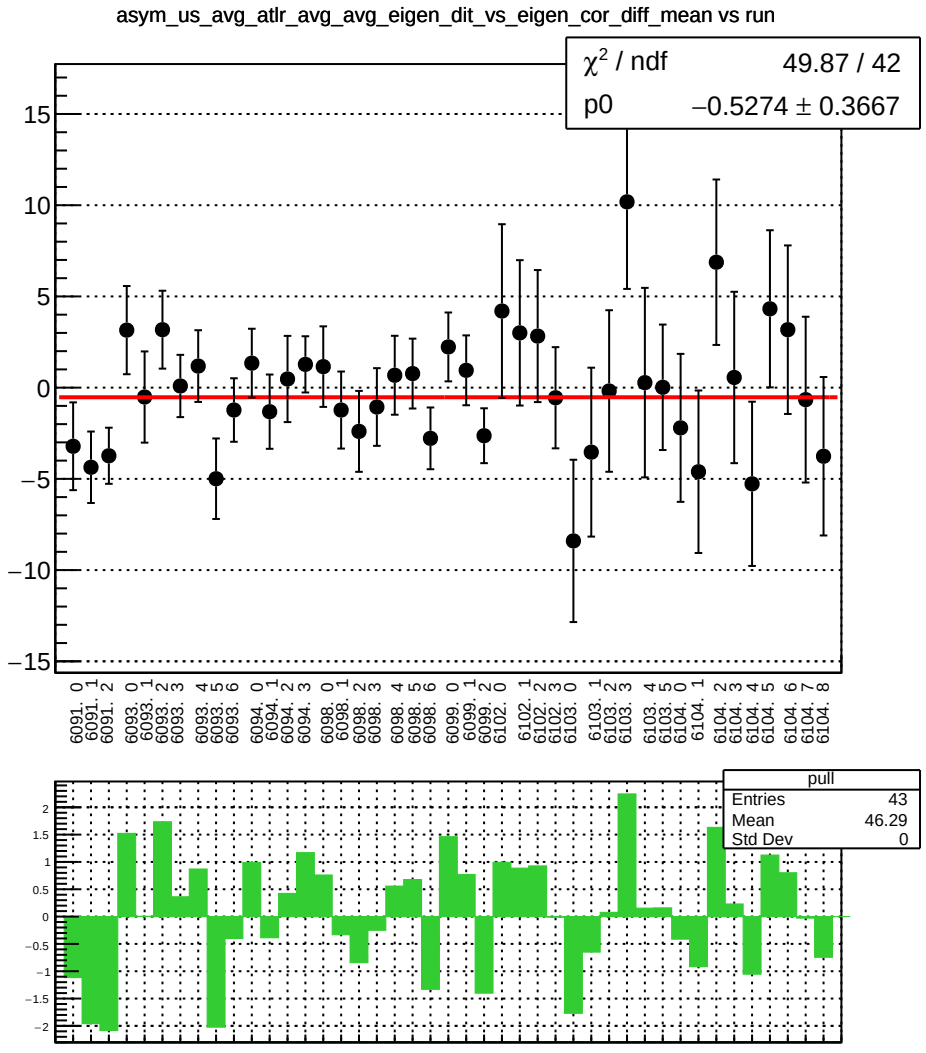

pull1D
Entries 43
Mean −0.009843
Std Dev 0.9305
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

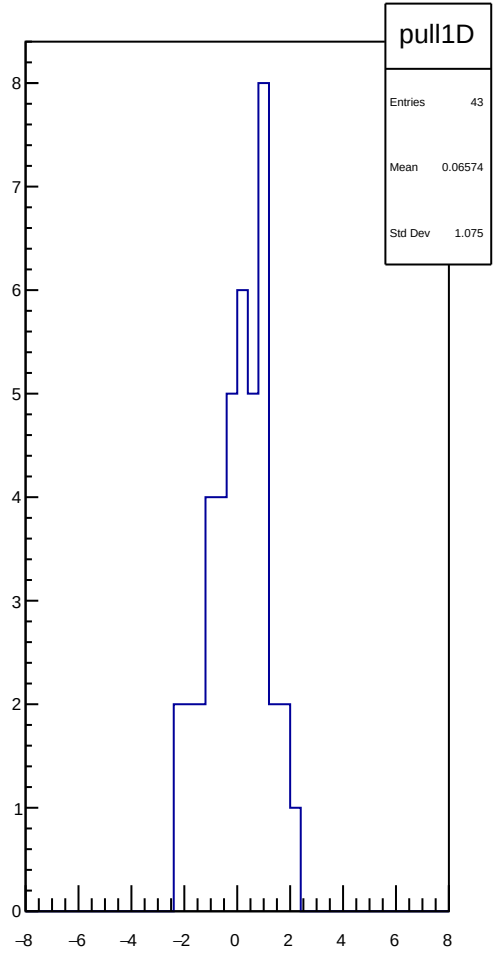

asym_us_avg_atlr_avg_avg_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 4.568e+04 / 42
p0 0.0223 ± 2.522e−05
0.036
0.034
0.032
0.03
0.028
0.026
0.024
0.022
0.02
0.018
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

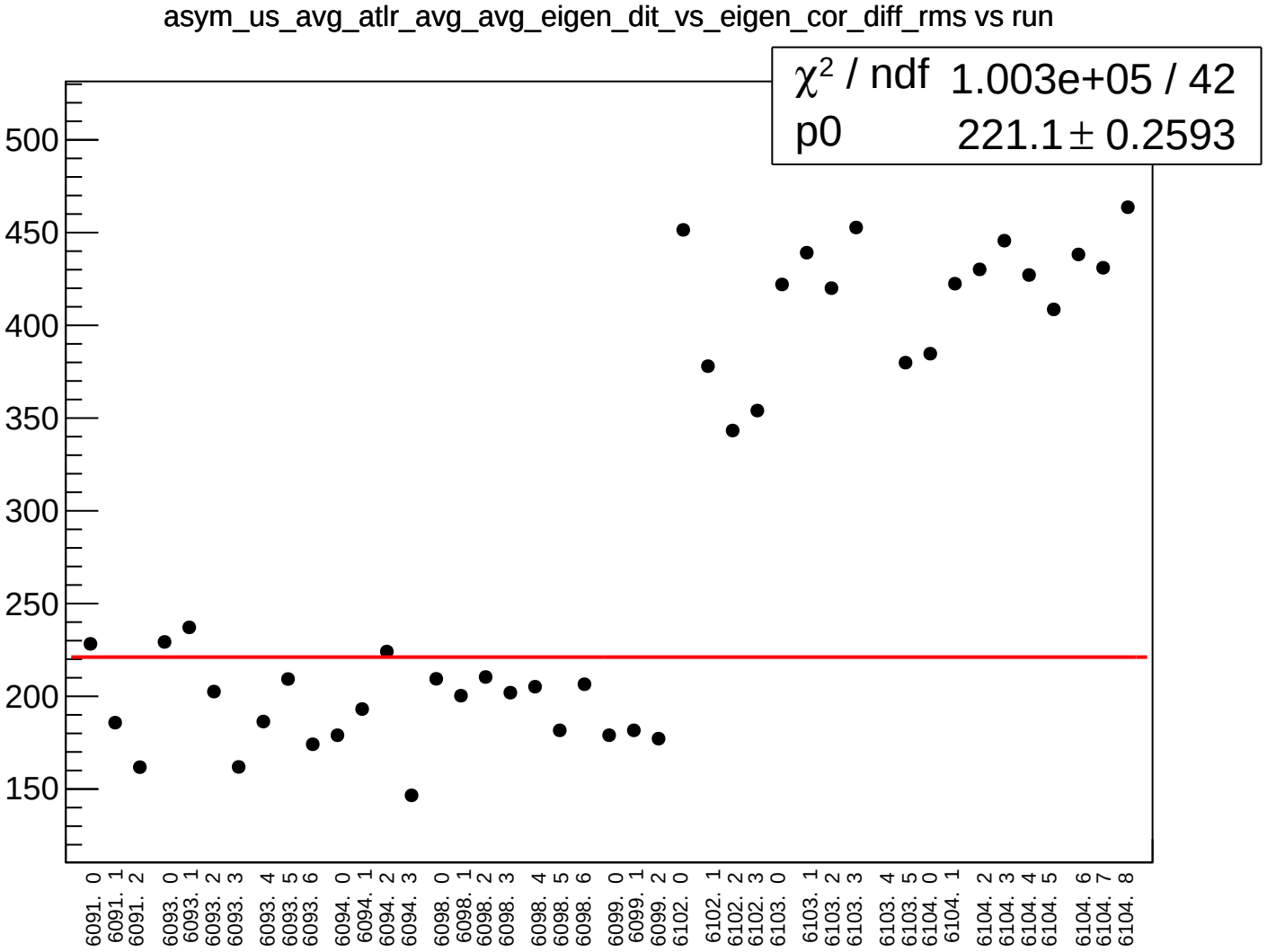

asym_us_avg_atlr_avg_avg_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 49.87 / 42
p0 −0.5274 ± 0.3667
pull
Entries 43
Mean 46.29
Std Dev 0

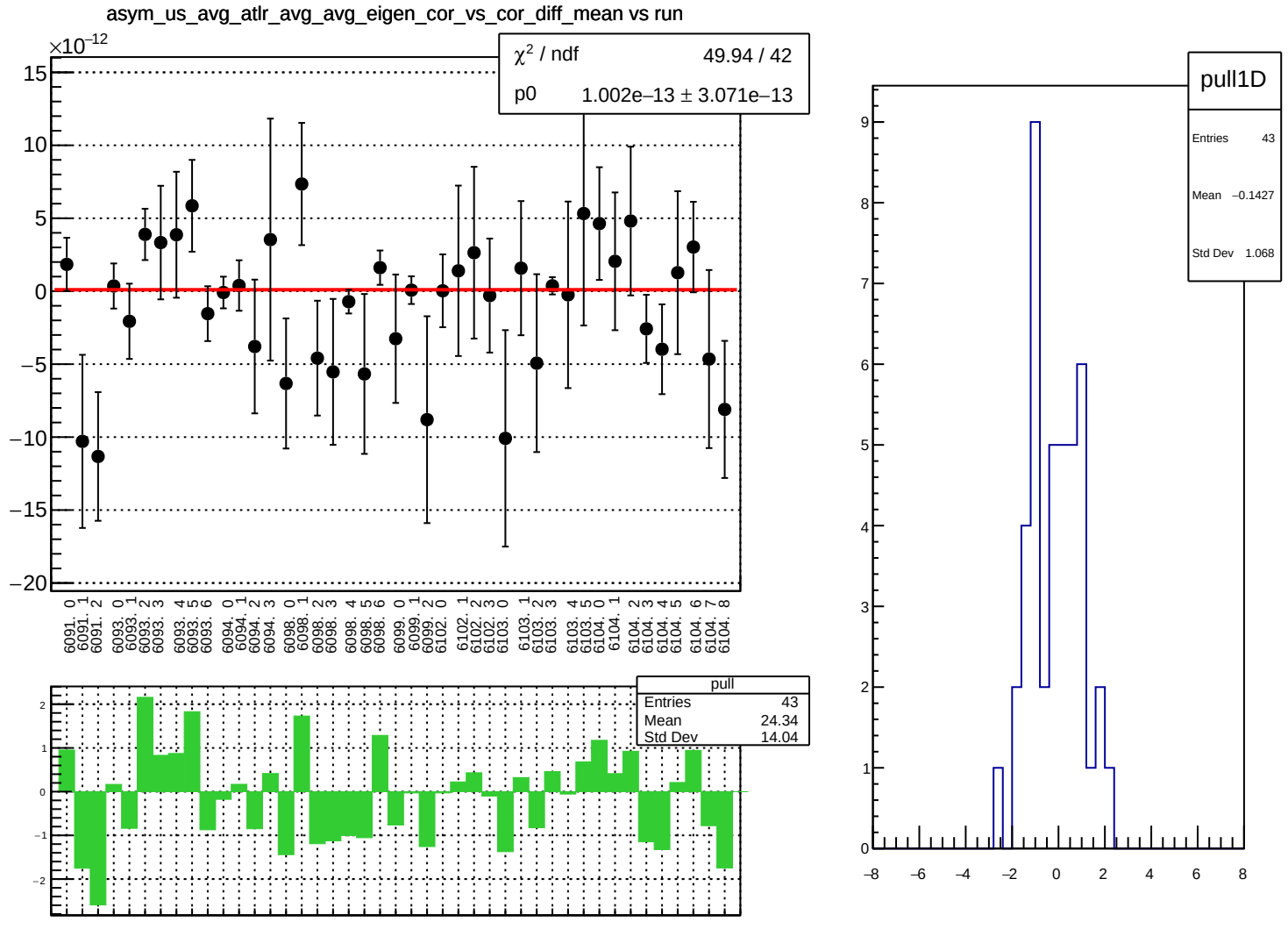

pull1D
Entries 43
Mean 0.06574
Std Dev 1.075

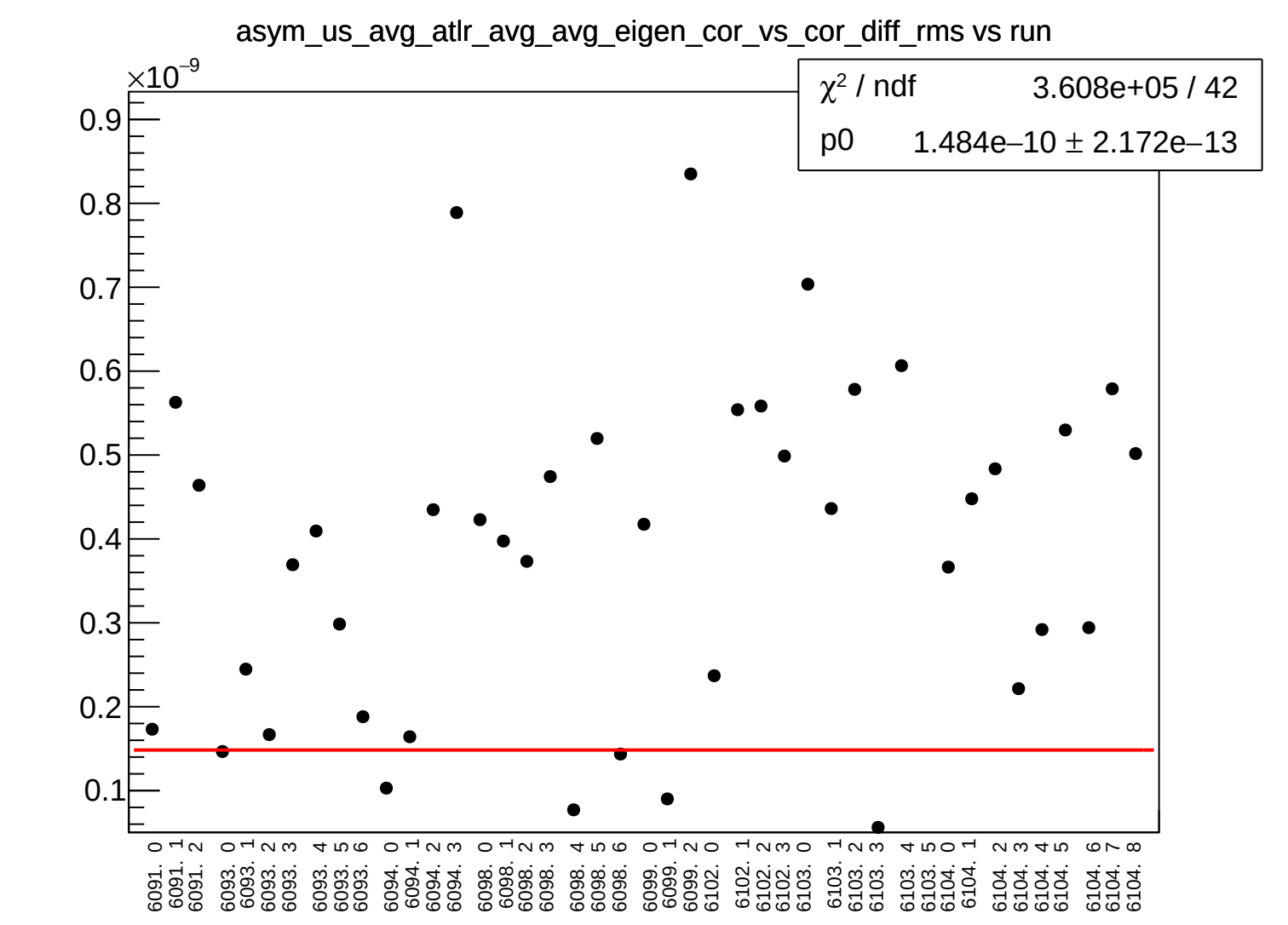

asym_us_avg_atlr_avg_avg_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 1.003e+05 / 42
p0 221.1 ± 0.2593
500
450
400
350
300
250
200
150
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

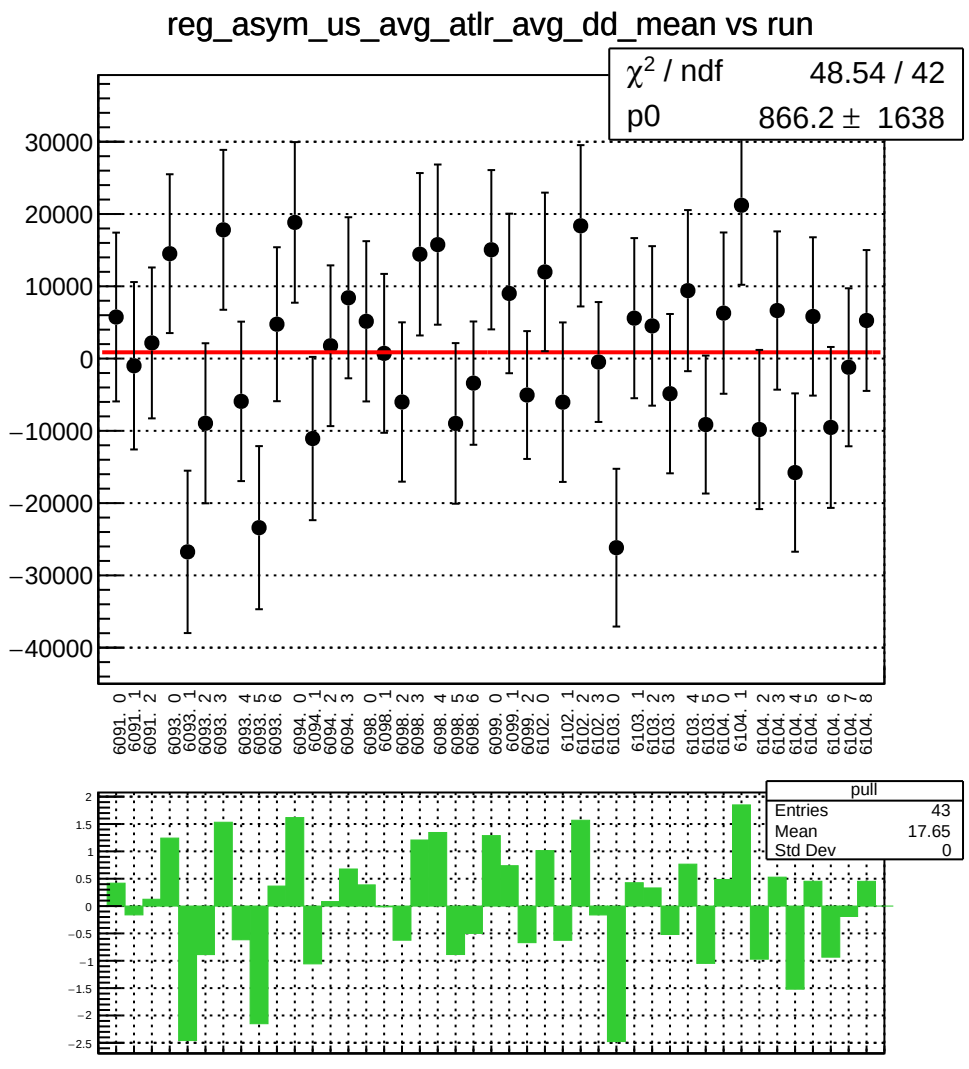

asym_us_avg_atlr_avg_avg_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 49.87 / 42
p0 −0.5274 ± 0.3667
pull
Entries 43
Mean 46.29
Std Dev 0

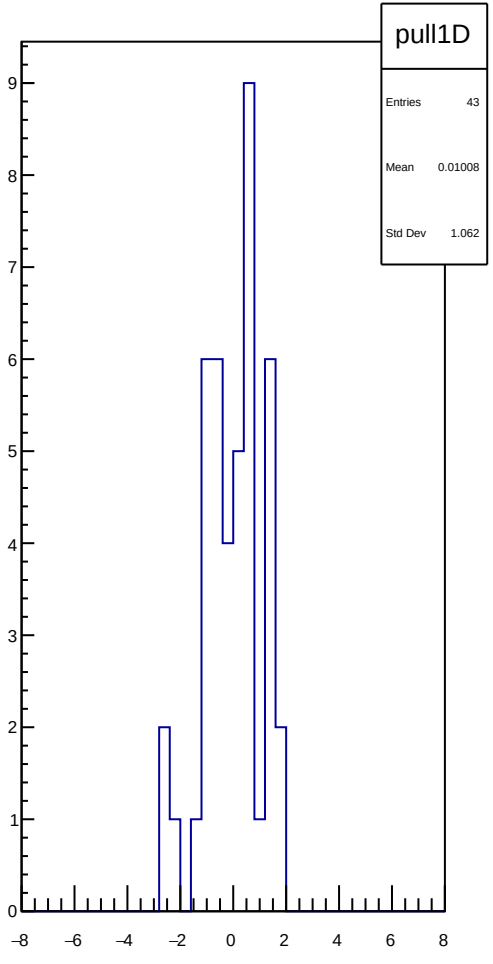

pull1D
Entries 43
Mean 0.06574
Std Dev 1.075

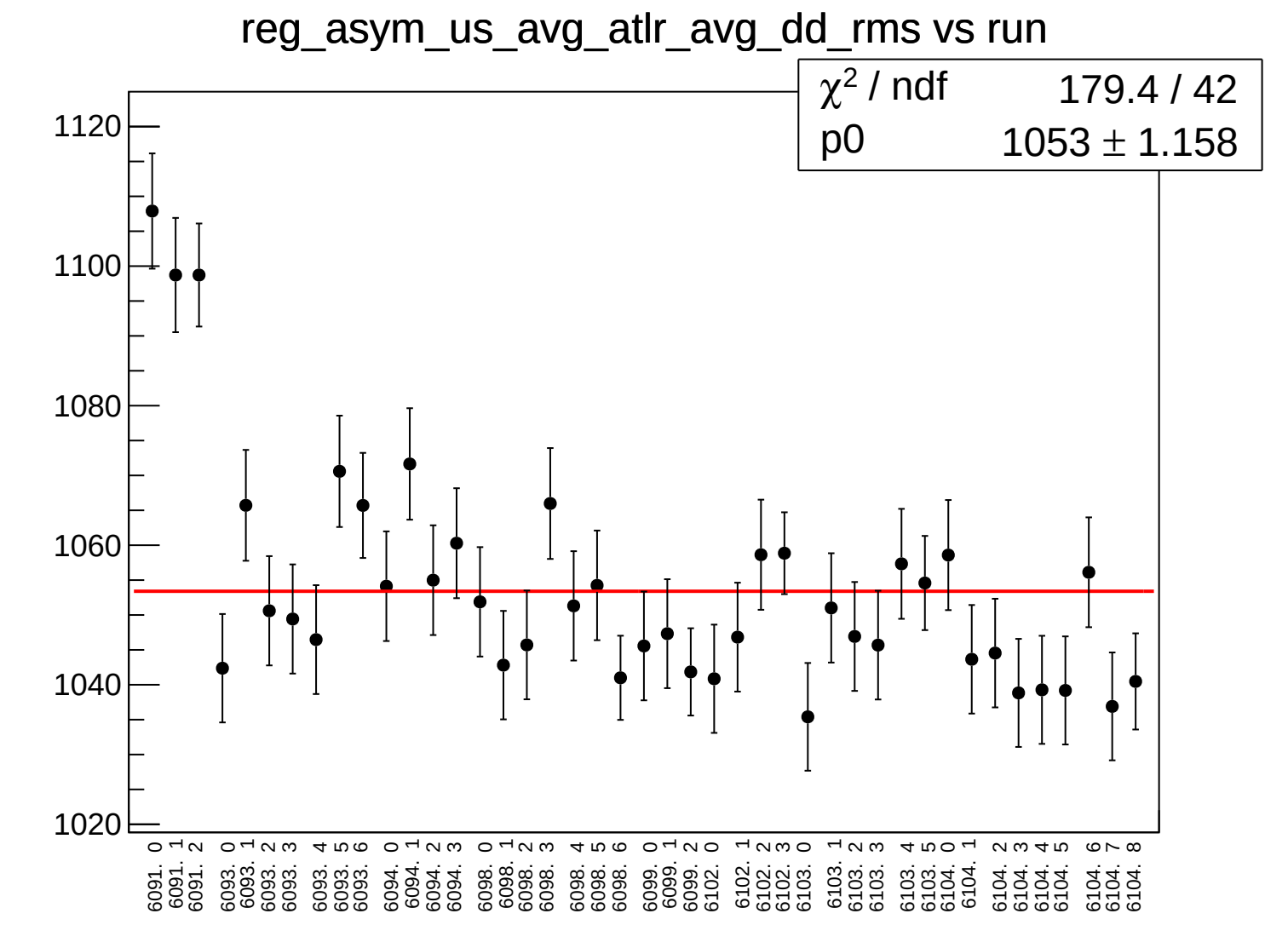

asym_us_avg_atlr_avg_avg_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.003e+05 / 42
p0 221.1 ± 0.2593
500
450
400
350
300
250
200
150
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

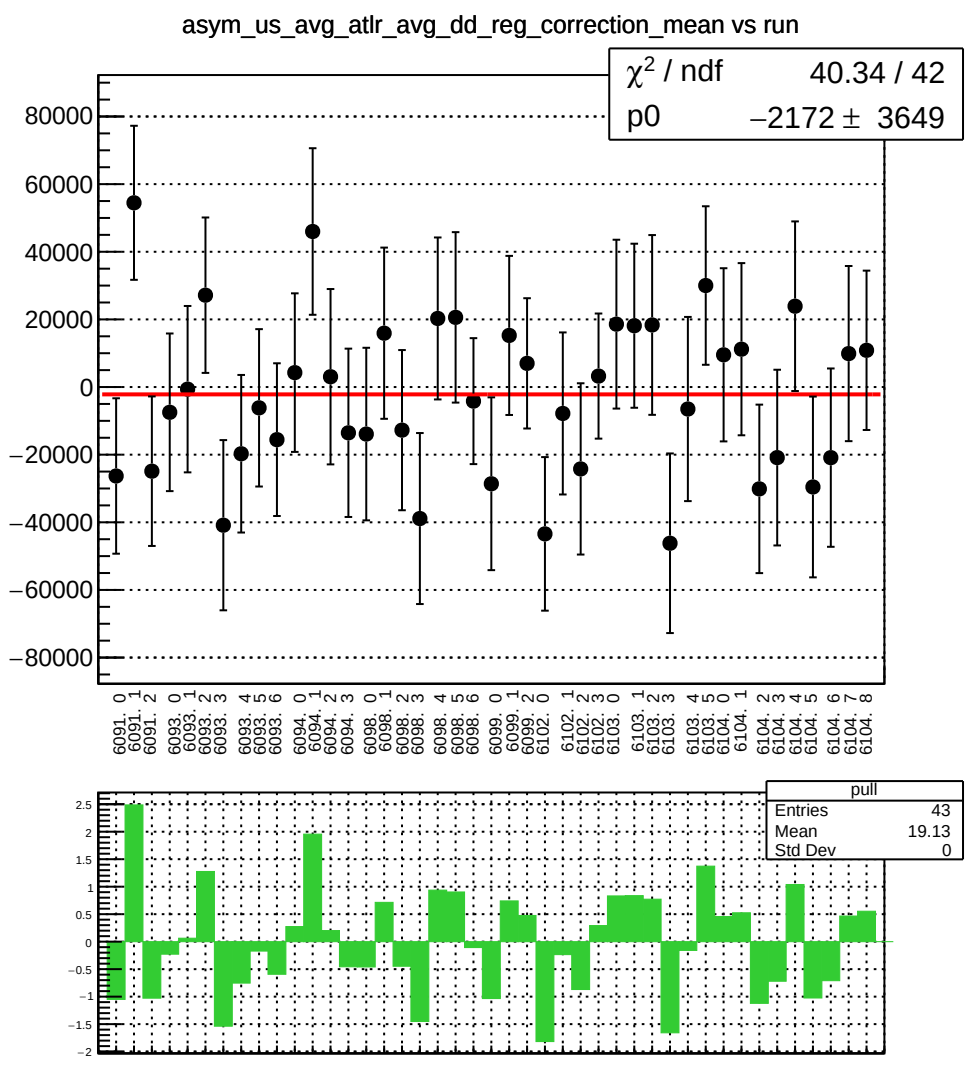

asym_us_avg_atlr_avg_avg_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 49.94 / 42
p0 1.002e−13 ± 3.071e−13
15
10
5
0
−5
−10
−15
−20
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 24.34
Std Dev 14.04
2
1
0
−1
−2
pull1D
Entries 43
Mean −0.1427
Std Dev 1.068
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

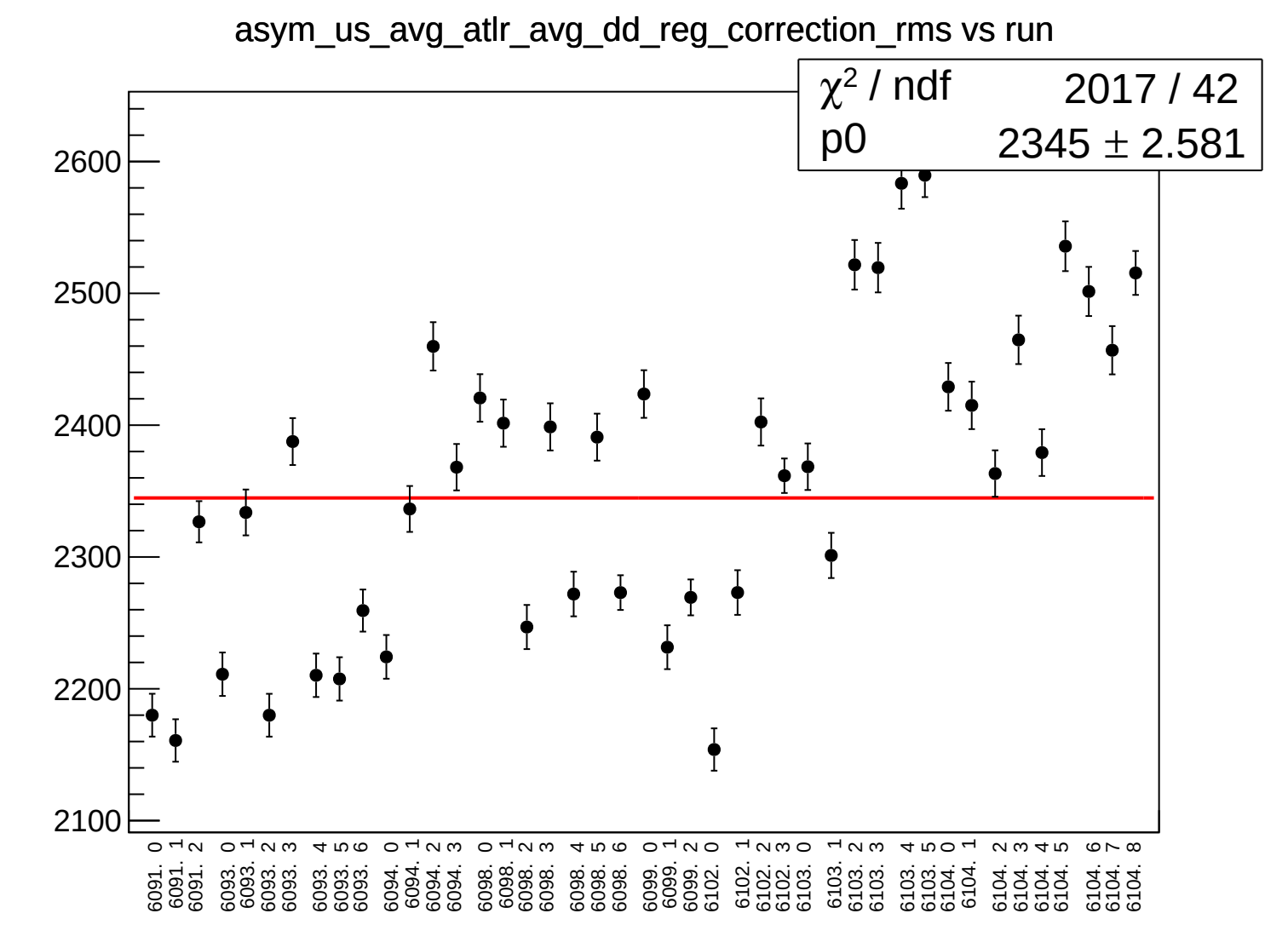

asym_us_avg_atlr_avg_avg_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 3.608e+05 / 42
p0 1.484e−10 ± 2.172e−13
0.9
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

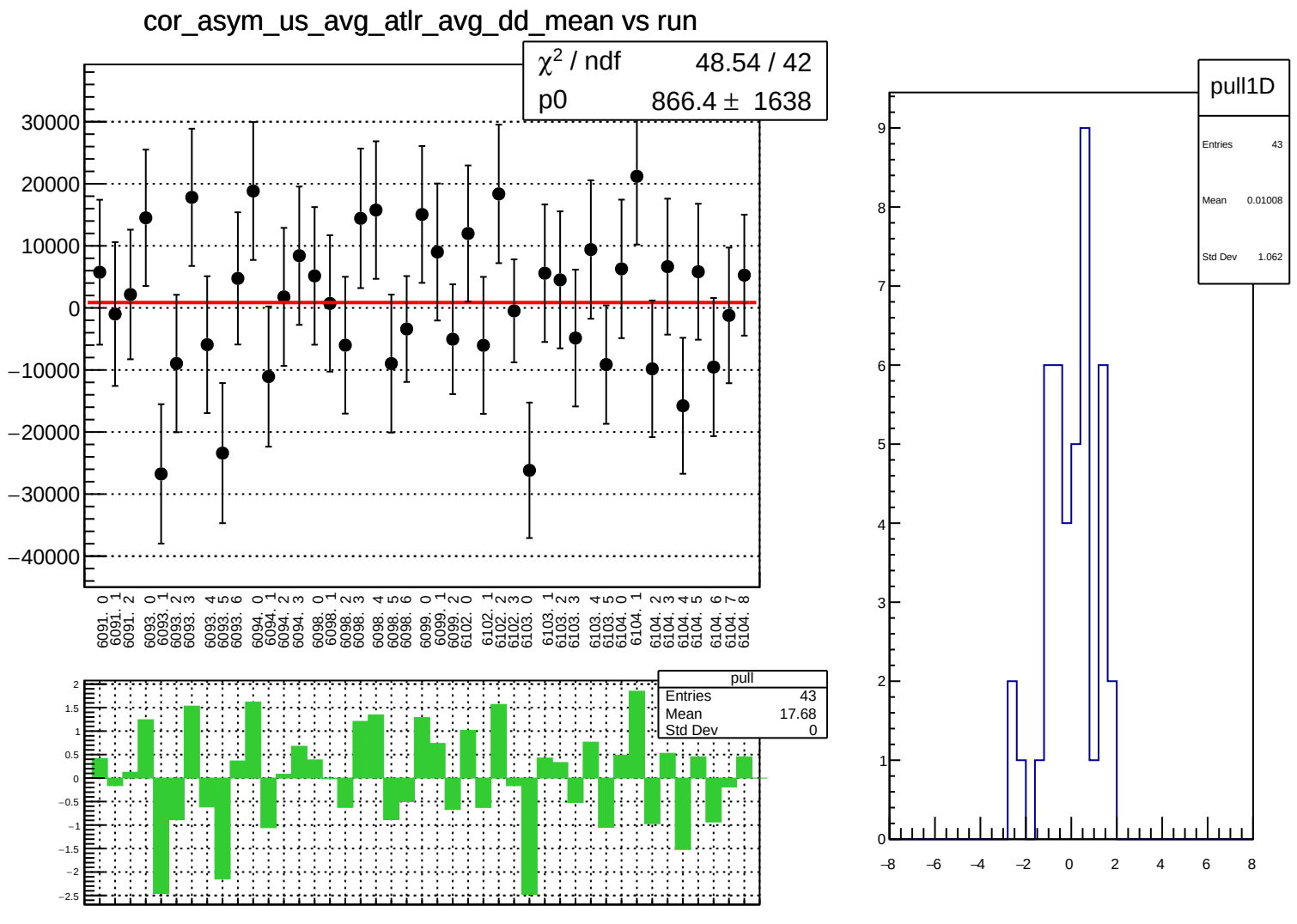

reg_asym_us_avg_atlr_avg_dd_mean vs run
χ² / ndf 48.54 / 42
p0 866.2 ± 1638
30000
20000
10000
0
−10000
−20000
−30000
−40000
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 17.65
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

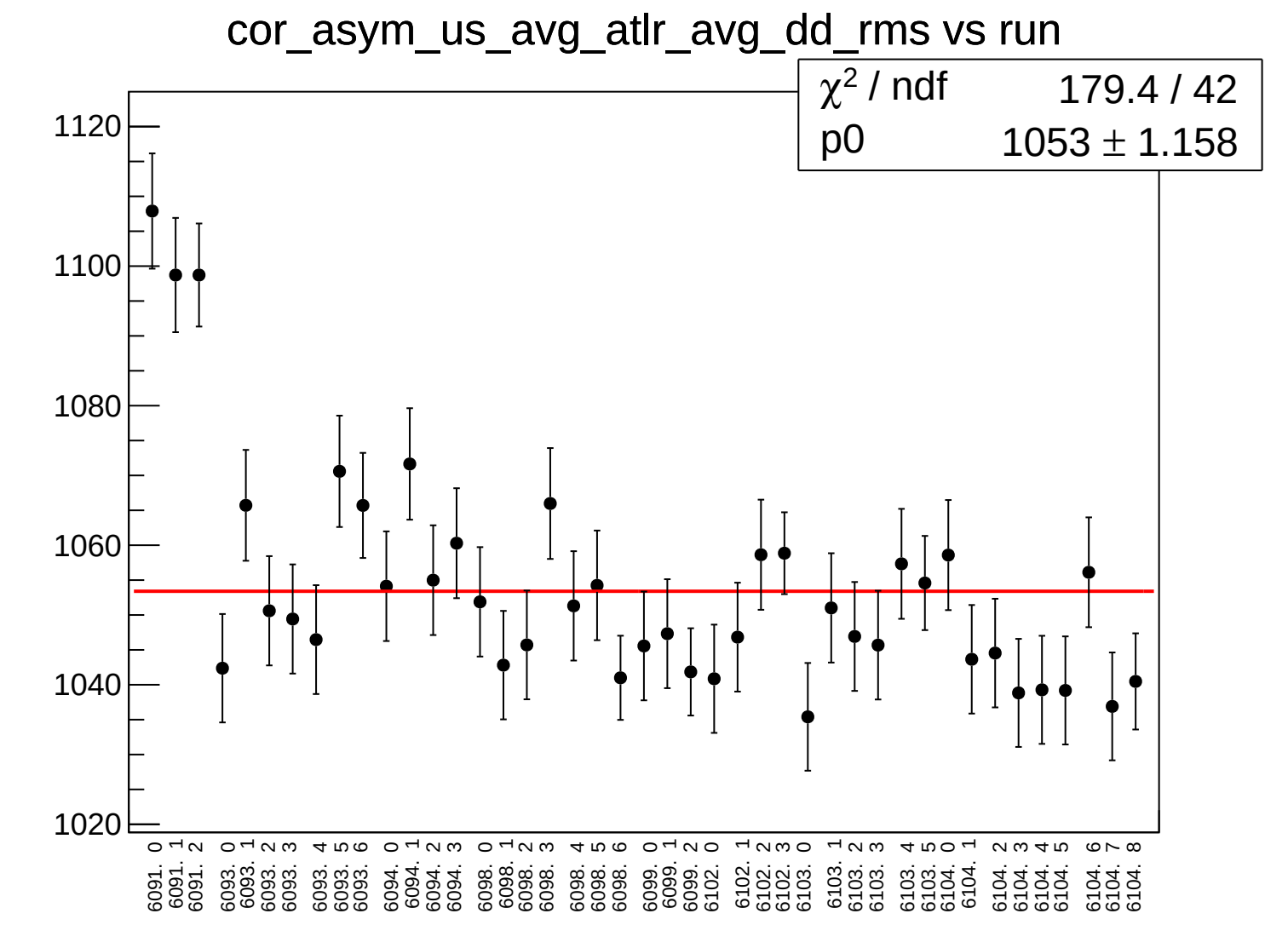

pull1D
Entries 43
Mean 0.01008
Std Dev 1.062
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

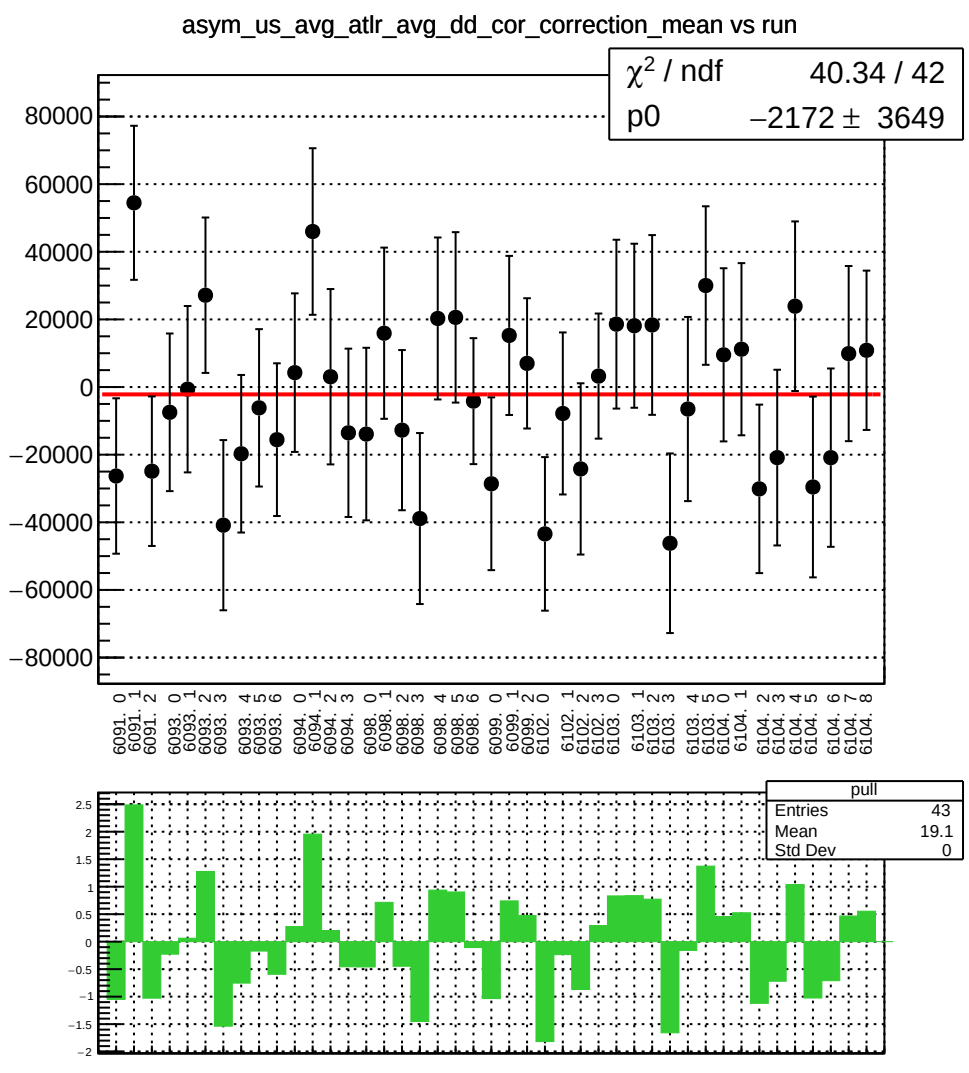

reg_asym_us_avg_atlr_avg_dd_rms vs run
χ² / ndf 179.4 / 42
p0 1053 ± 1.158
1120
1100
1080
1060
1040
1020
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

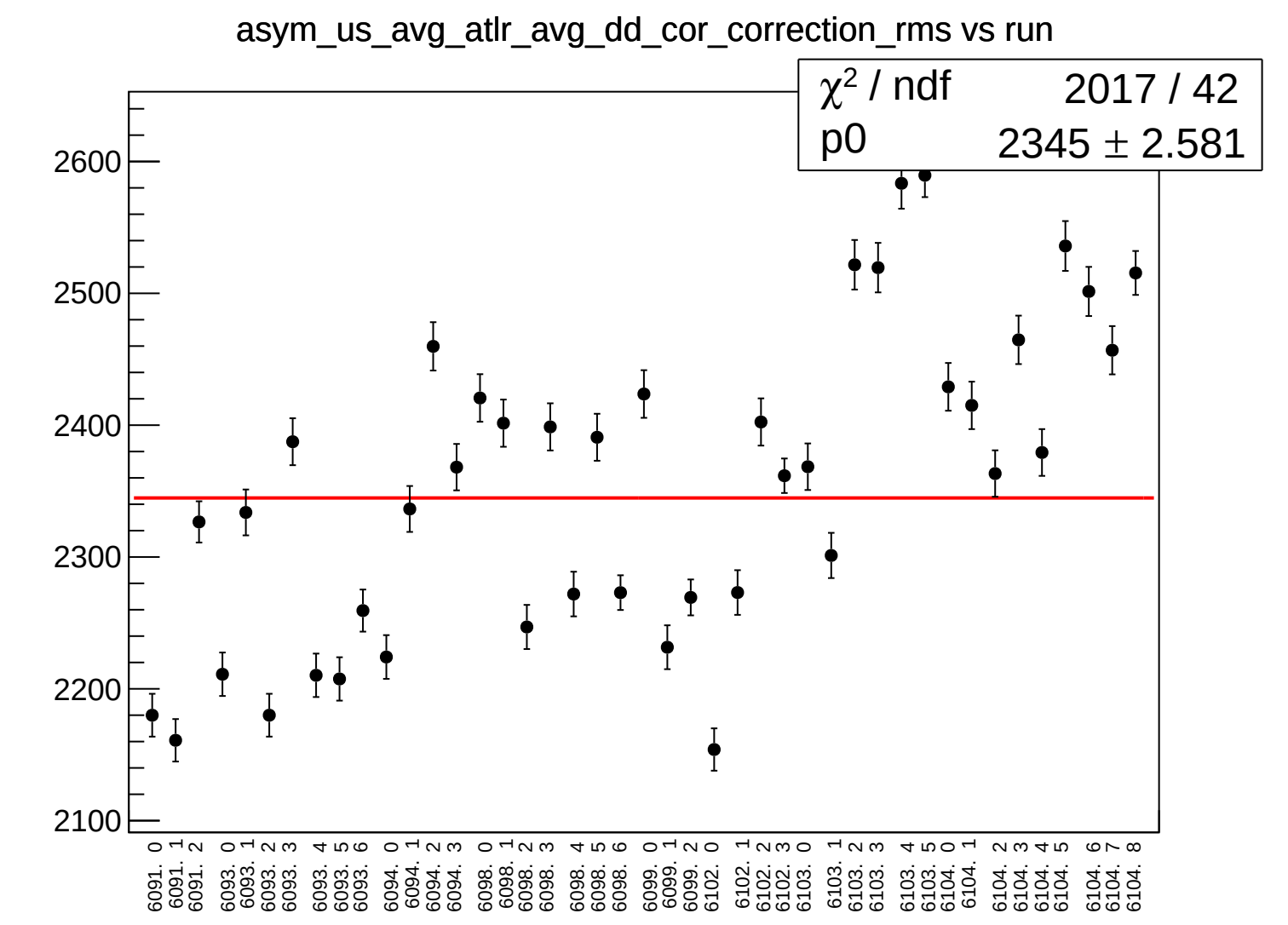

asym_us_avg_atlr_avg_dd_reg_correction_mean vs run
χ² / ndf 40.34 / 42
p0 −2172 ± 3649
80000
60000
40000
20000
0
−20000
−40000
−60000
−80000
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 19.13
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 43
Mean −0.01053
Std Dev 0.9685
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

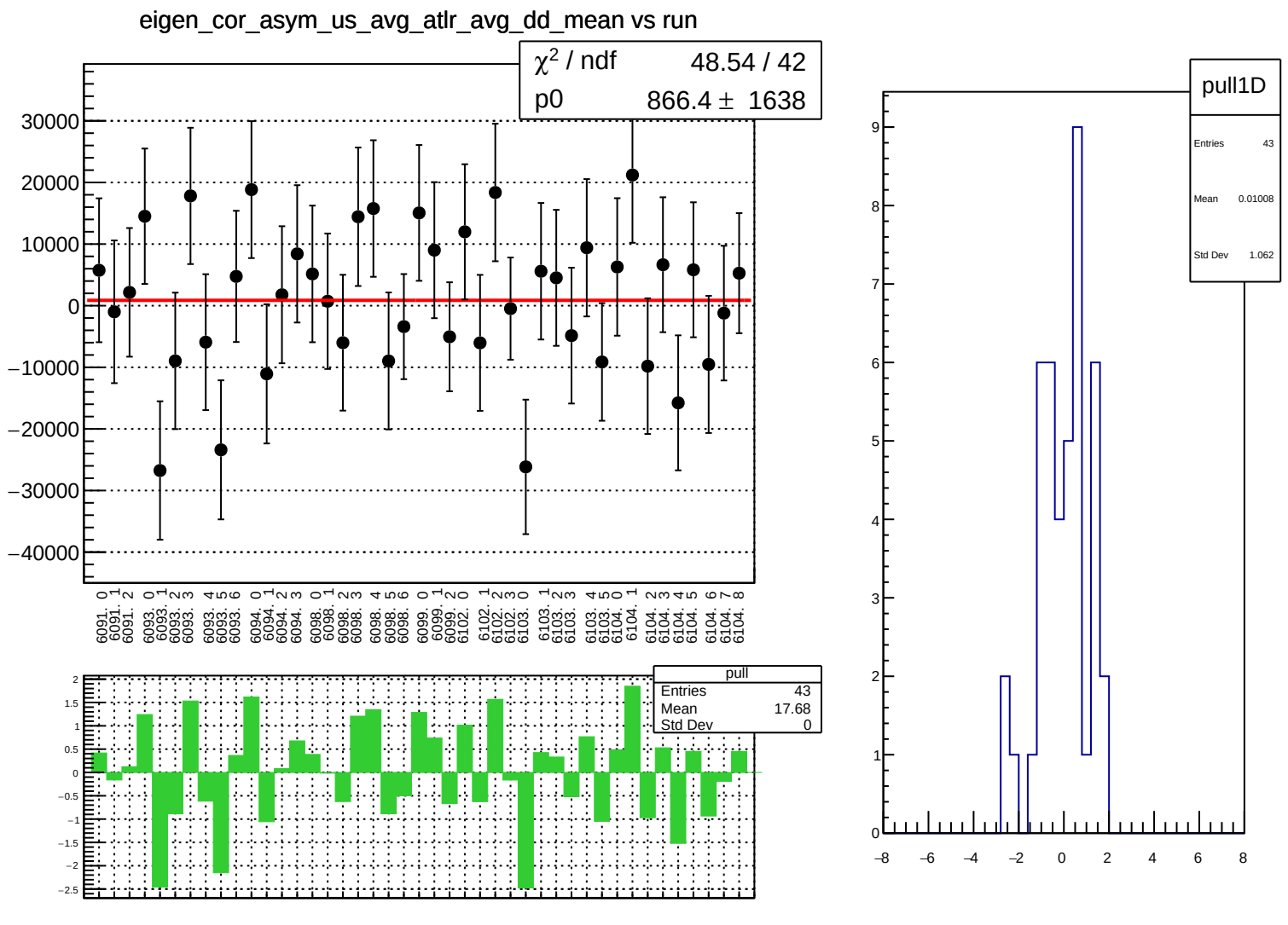

asym_us_avg_atlr_avg_dd_reg_correction_rms vs run
χ² / ndf 2017 / 42
p0 2345 ± 2.581
2600
2500
2400
2300
2200
2100
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

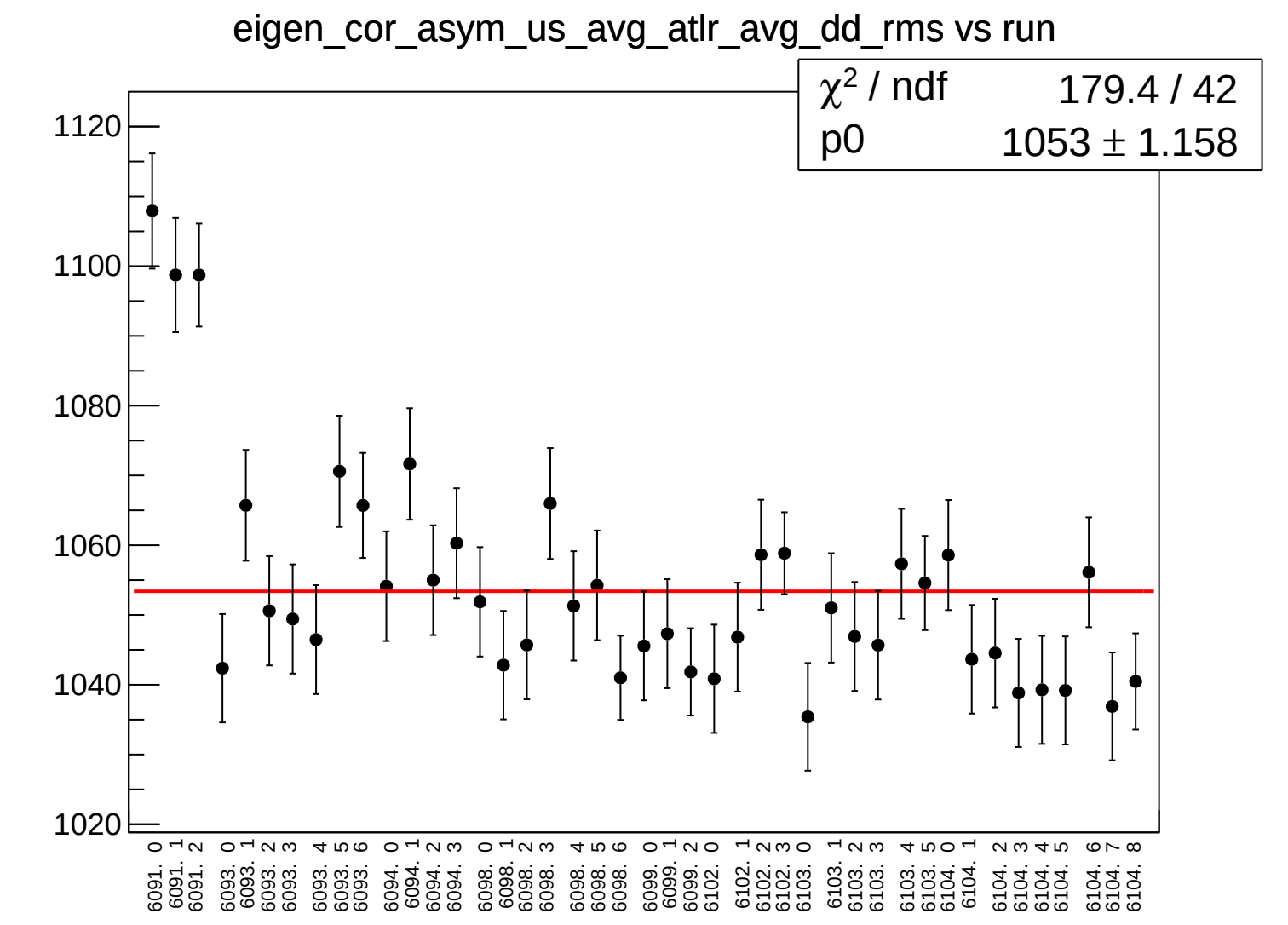

cor_asym_us_avg_atlr_avg_dd_mean vs run
χ² / ndf 48.54 / 42
p0 866.4 ± 1638
30000
20000
10000
0
−10000
−20000
−30000
−40000
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 17.68
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5
pull1D
Entries 43
Mean 0.01008
Std Dev 1.062
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

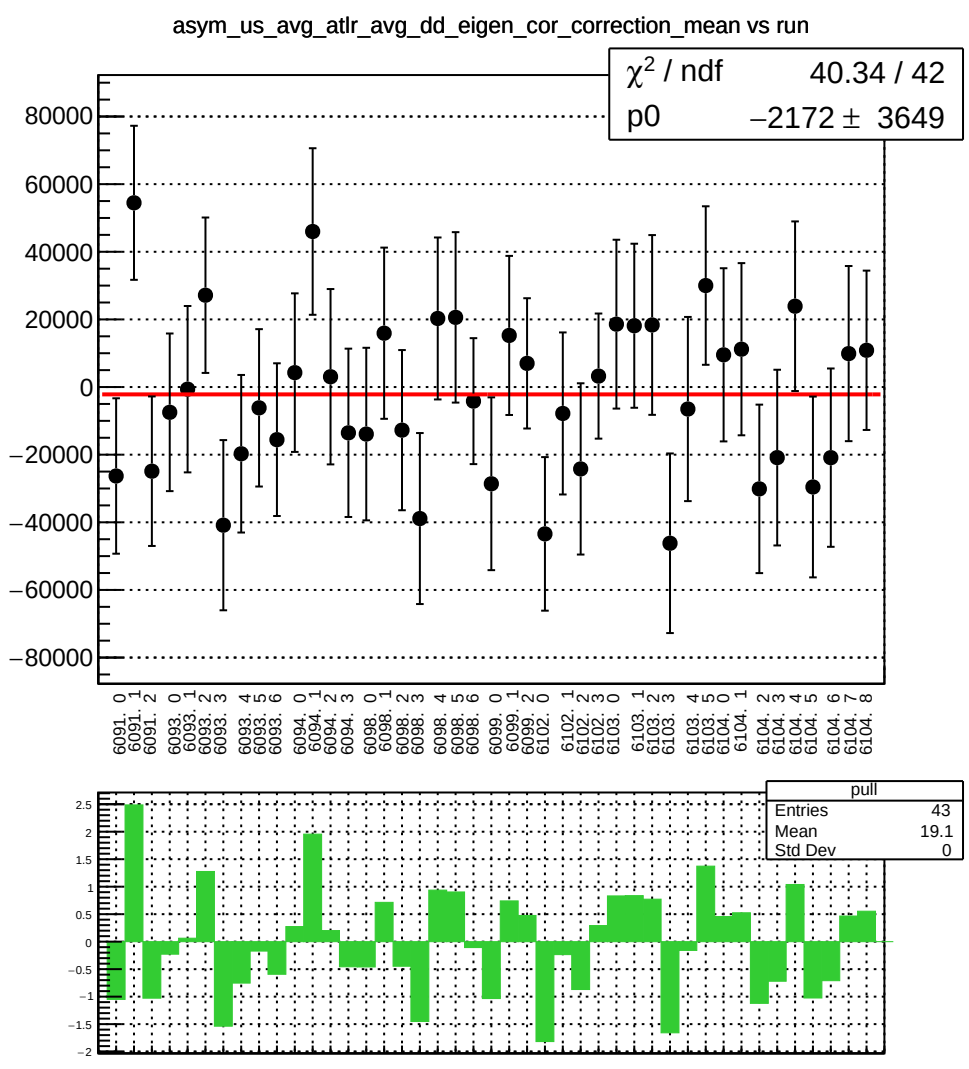

cor_asym_us_avg_atlr_avg_dd_rms vs run
χ² / ndf 179.4 / 42
p0 1053 ± 1.158
1120
1100
1080
1060
1040
1020
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

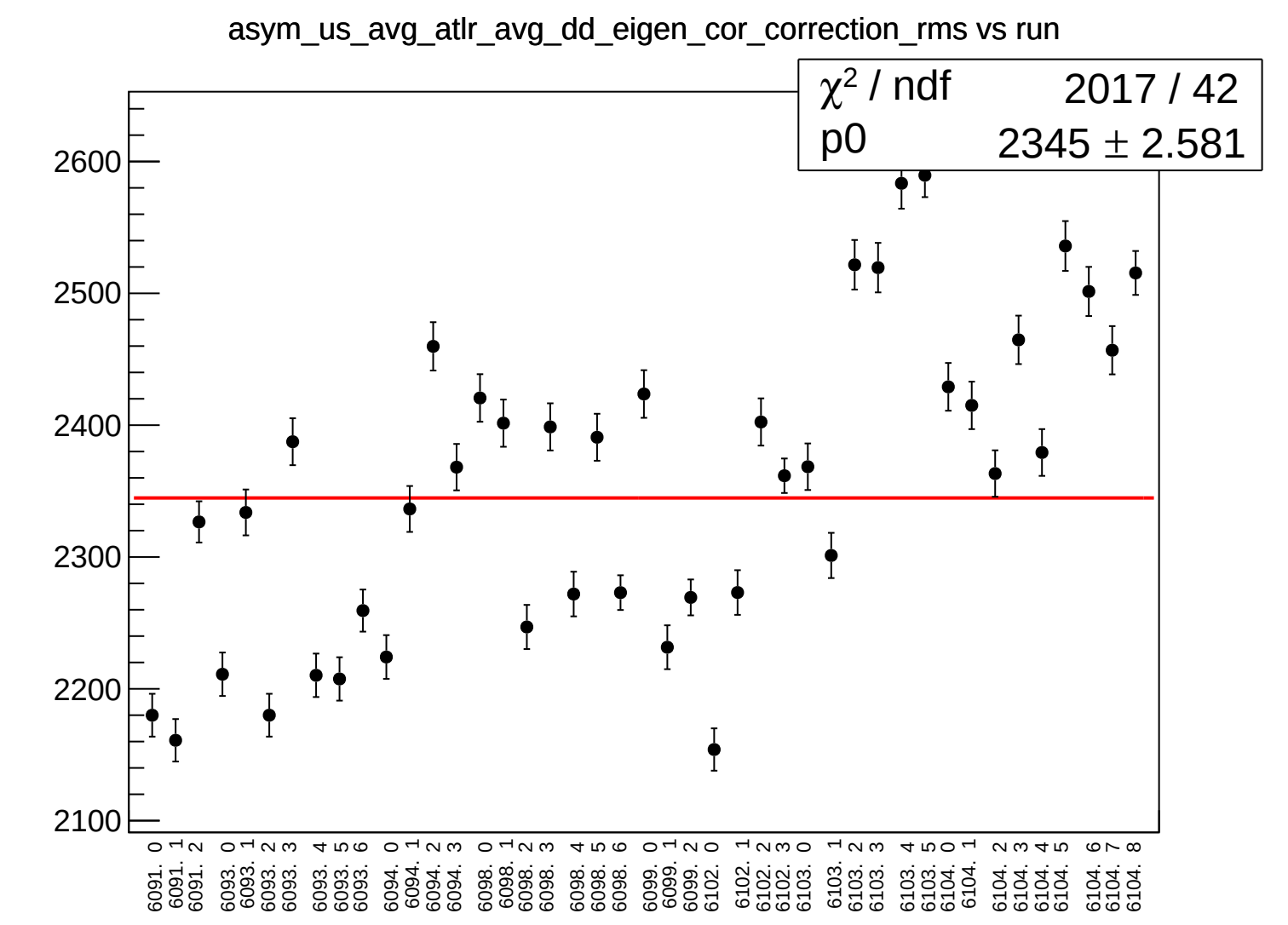

asym_us_avg_atlr_avg_dd_cor_correction_mean vs run
χ² / ndf 40.34 / 42
p0 −2172 ± 3649
pull
Entries 43
Mean 19.1
Std Dev 0
pull1D
Entries 43
Mean −0.01053
Std Dev 0.9685

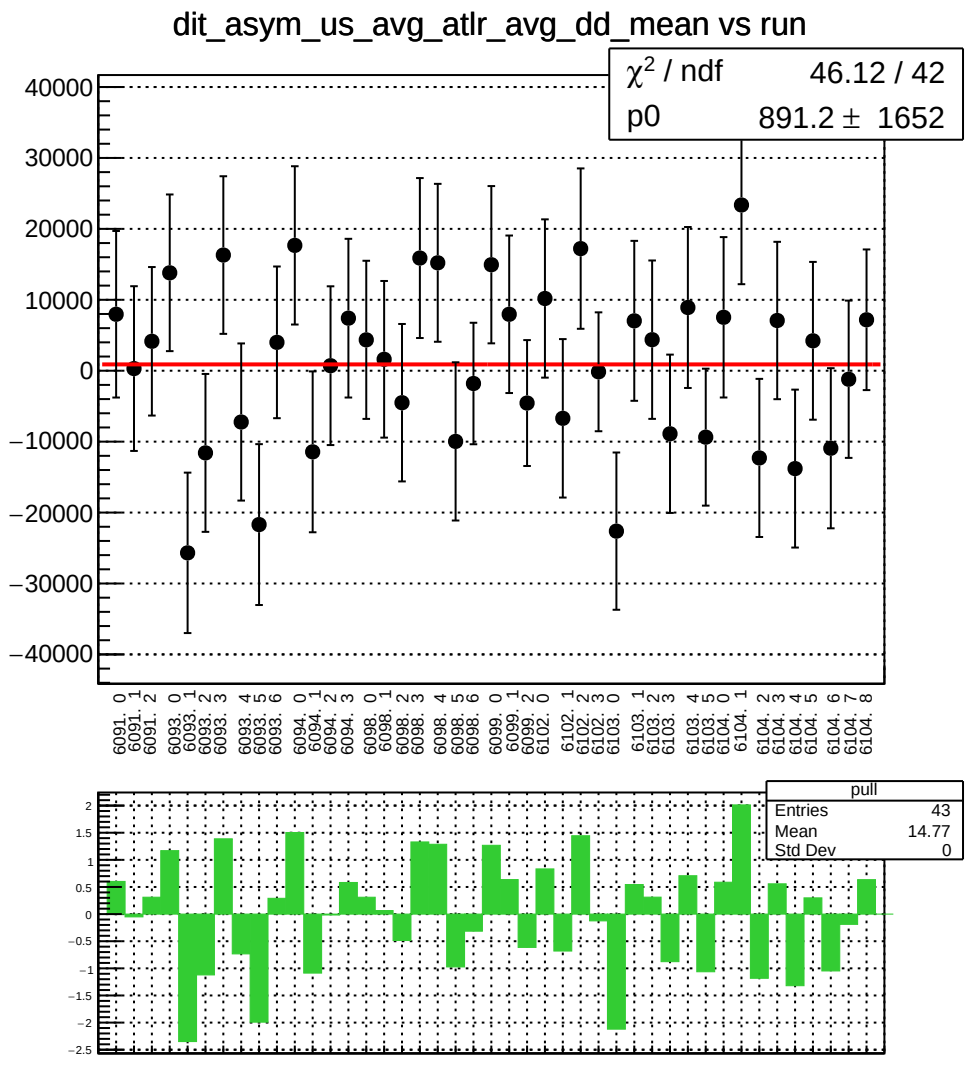

asym_us_avg_atlr_avg_dd_cor_correction_rms vs run
χ² / ndf 2017 / 42
p0 2345 ± 2.581
2600
2500
2400
2300
2200
2100
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

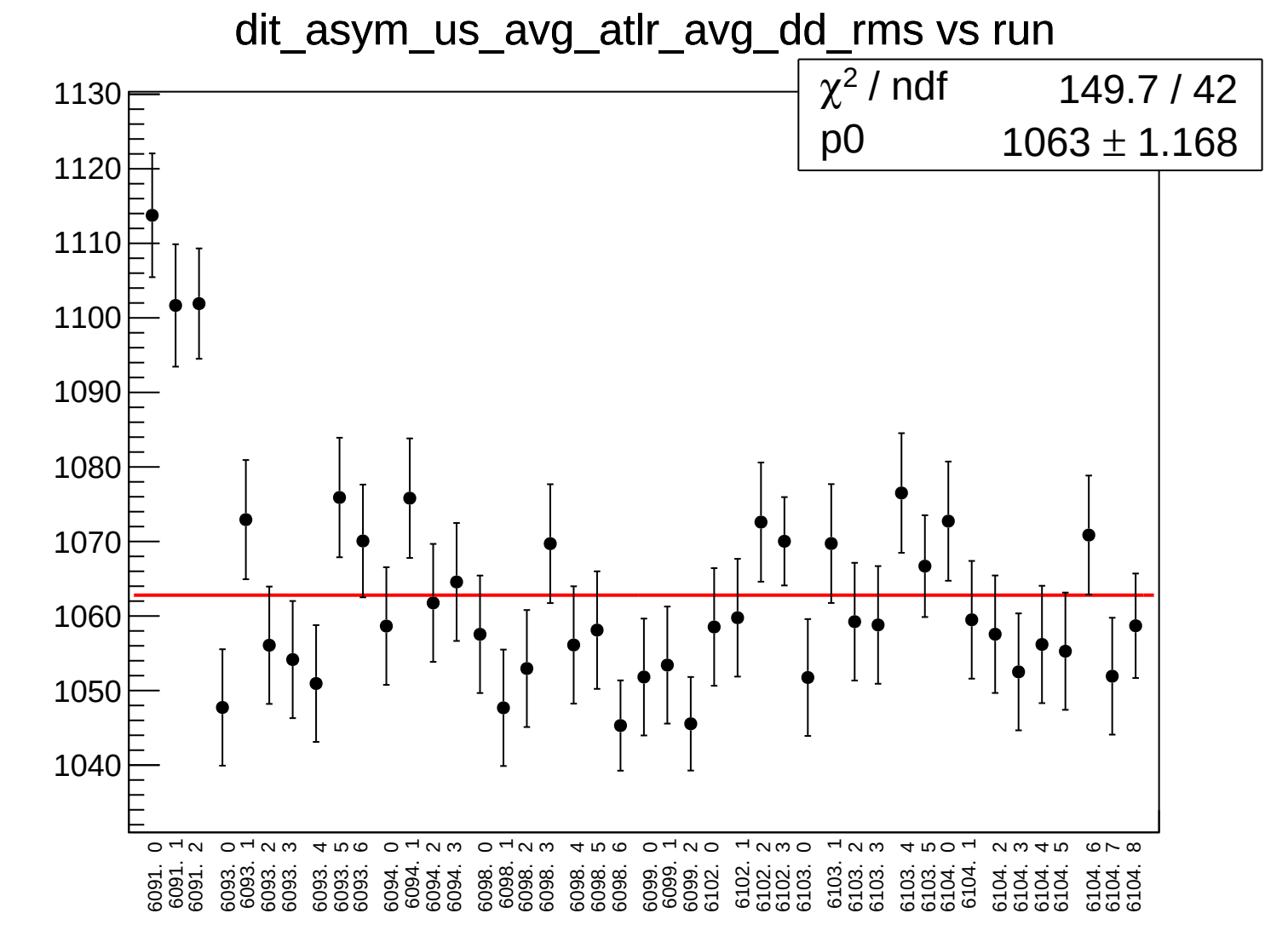

eigen_cor_asym_us_avg_atlr_avg_dd_mean vs run
χ² / ndf 48.54 / 42
p0 866.4 ± 1638
30000
20000
10000
0
−10000
−20000
−30000
−40000
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 17.68
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5
pull1D
Entries 43
Mean 0.01008
Std Dev 1.062
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

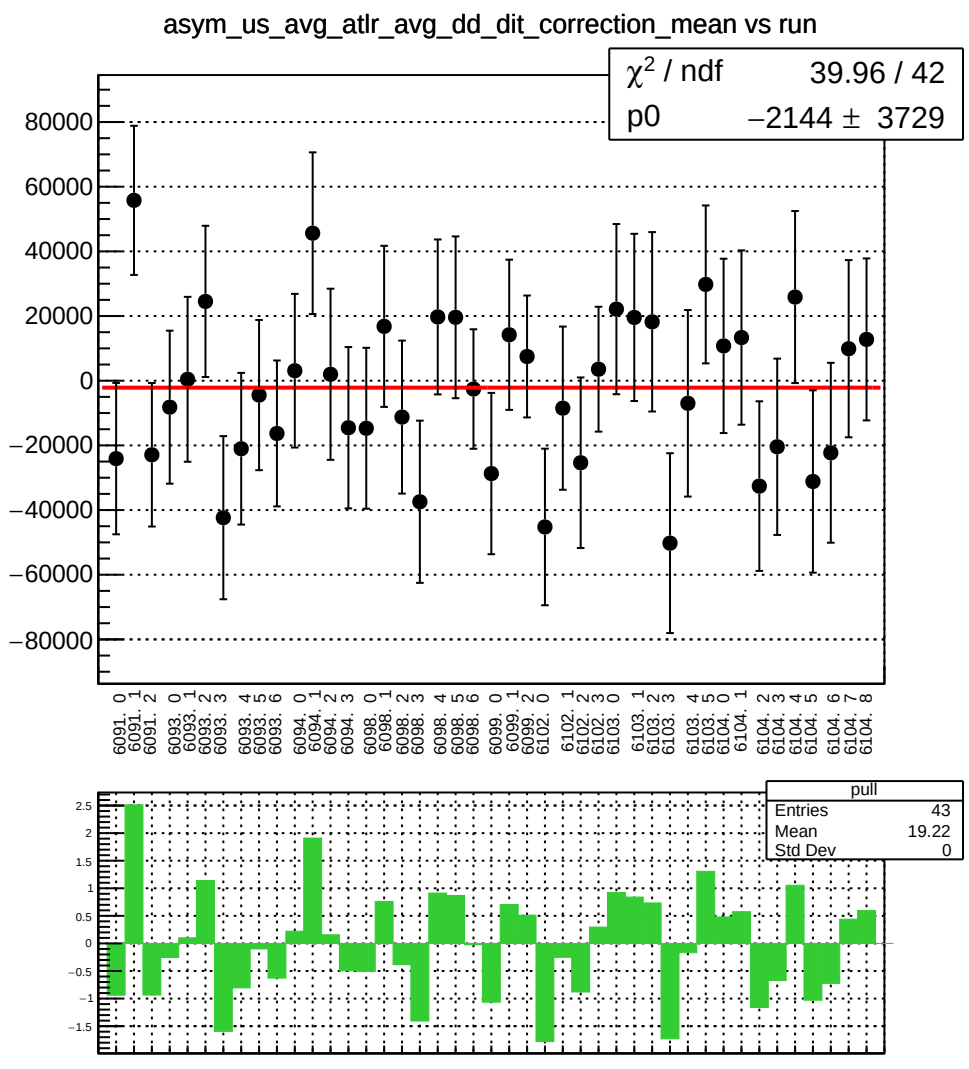

eigen_cor_asym_us_avg_atlr_avg_dd_rms vs run
χ² / ndf 179.4 / 42
p0 1053 ± 1.158
1120
1100
1080
1060
1040
1020
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

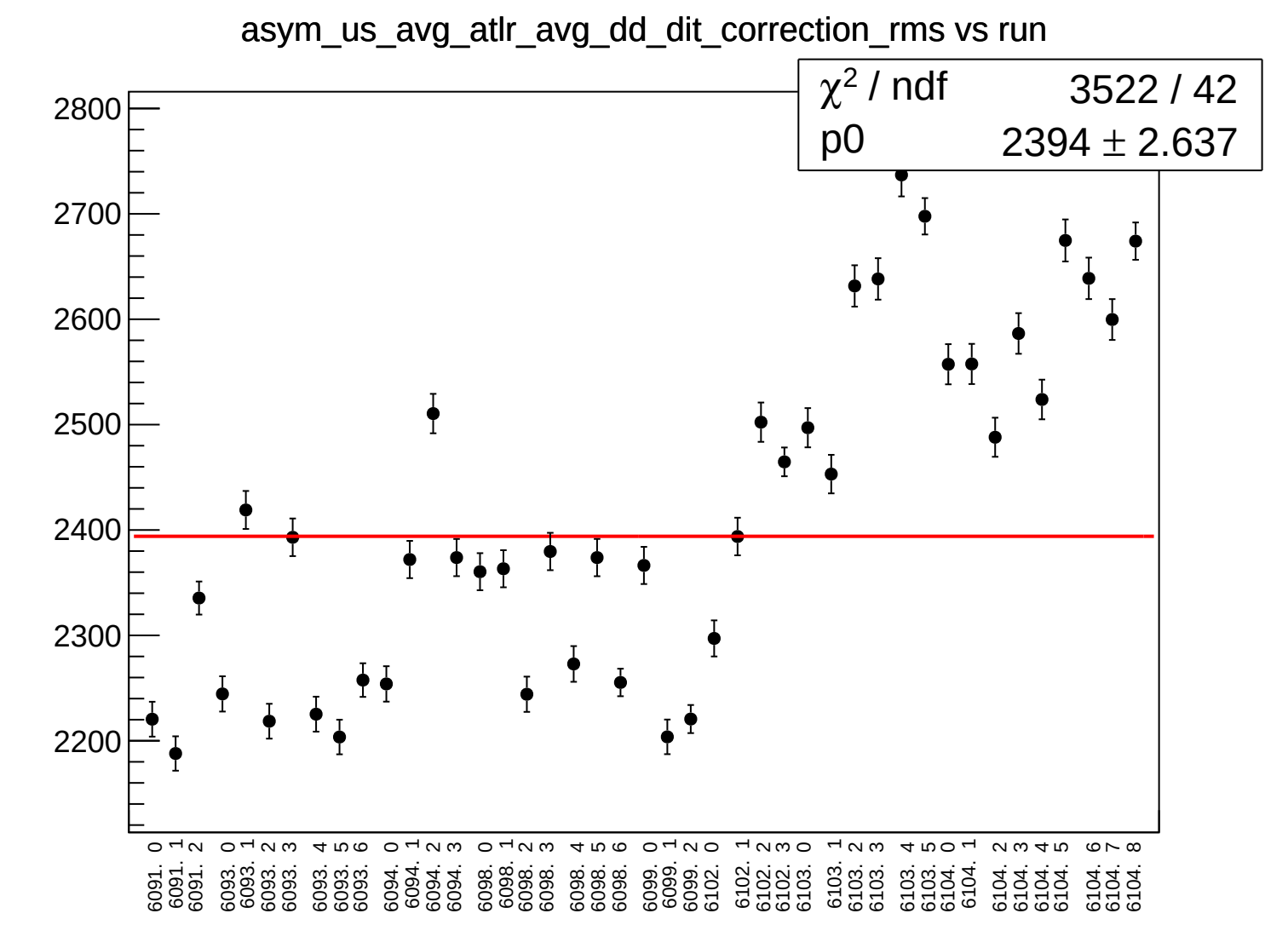

asym_us_avg_atlr_avg_dd_eigen_cor_correction_mean vs run
χ² / ndf 40.34 / 42
p0 −2172 ± 3649
80000
60000
40000
20000
0
−20000
−40000
−60000
−80000
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 19.1
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 43
Mean −0.01053
Std Dev 0.9685
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

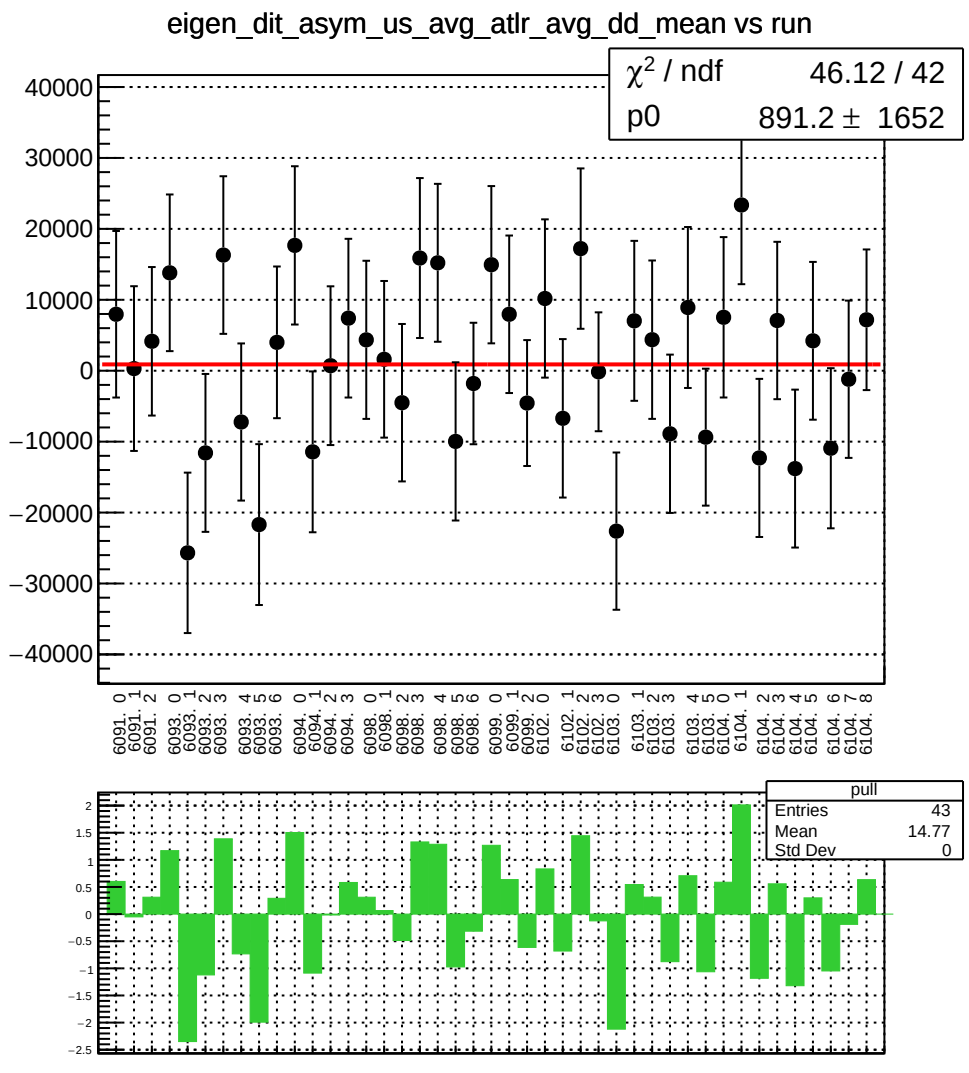

asym_us_avg_atlr_avg_dd_eigen_cor_correction_rms vs run
χ² / ndf 2017 / 42
p0 2345 ± 2.581
2600
2500
2400
2300
2200
2100
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

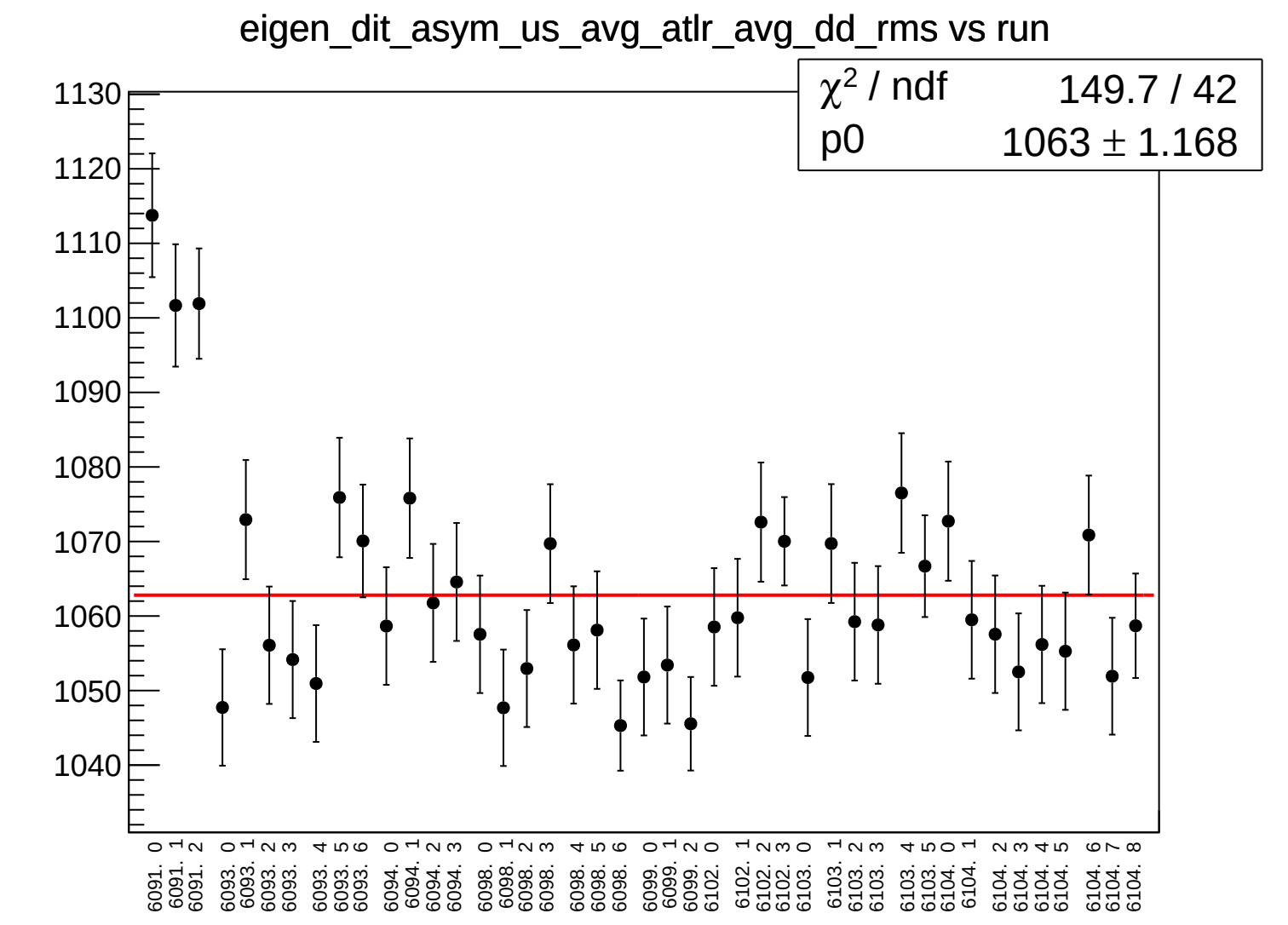

dit_asym_us_avg_atlr_avg_dd_mean vs run
χ² / ndf 46.12 / 42
p0 891.2 ± 1652
40000
30000
20000
10000
0
−10000
−20000
−30000
−40000
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 14.77
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5
pull1D
Entries 43
Mean 0.0078
Std Dev 1.036
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

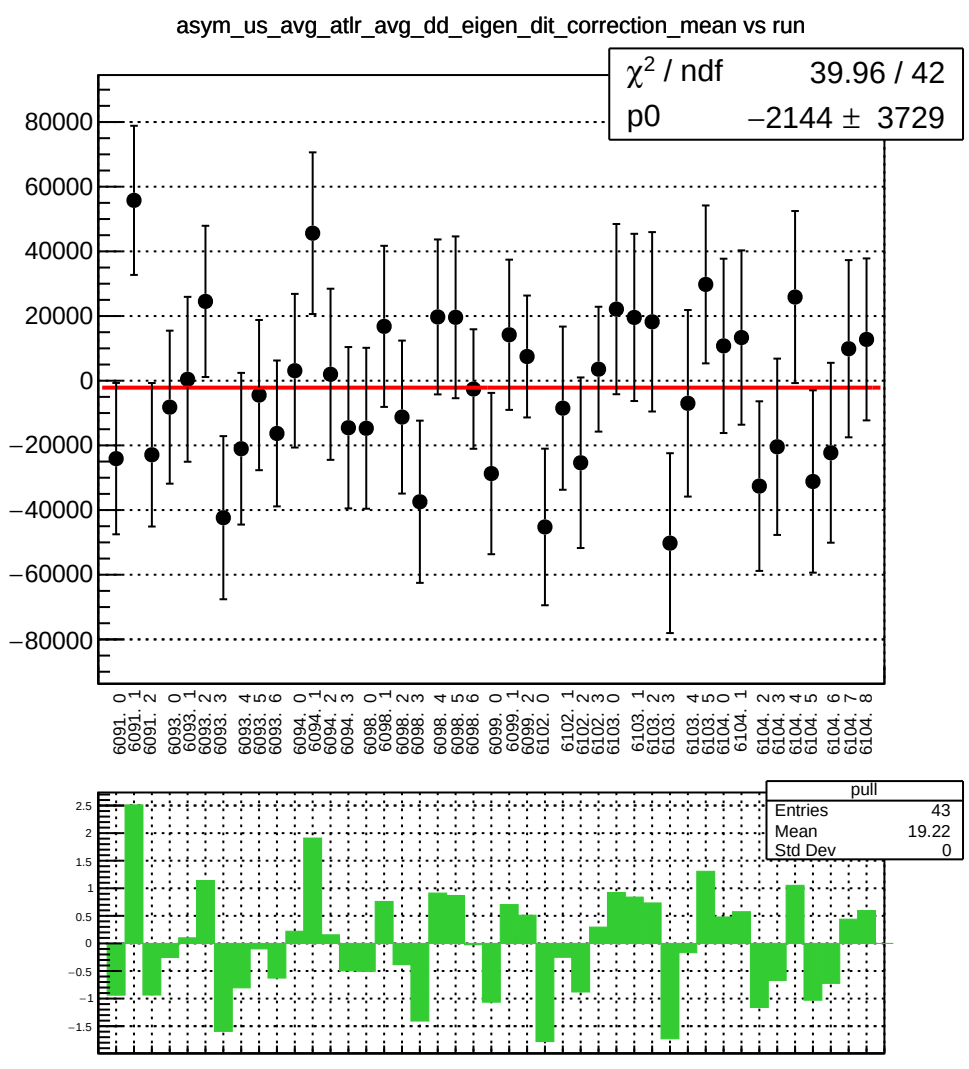

dit_asym_us_avg_atlr_avg_dd_rms vs run
χ² / ndf 149.7 / 42
p0 1063 ± 1.168
1130
1120
1110
1100
1090
1080
1070
1060
1050
1040
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

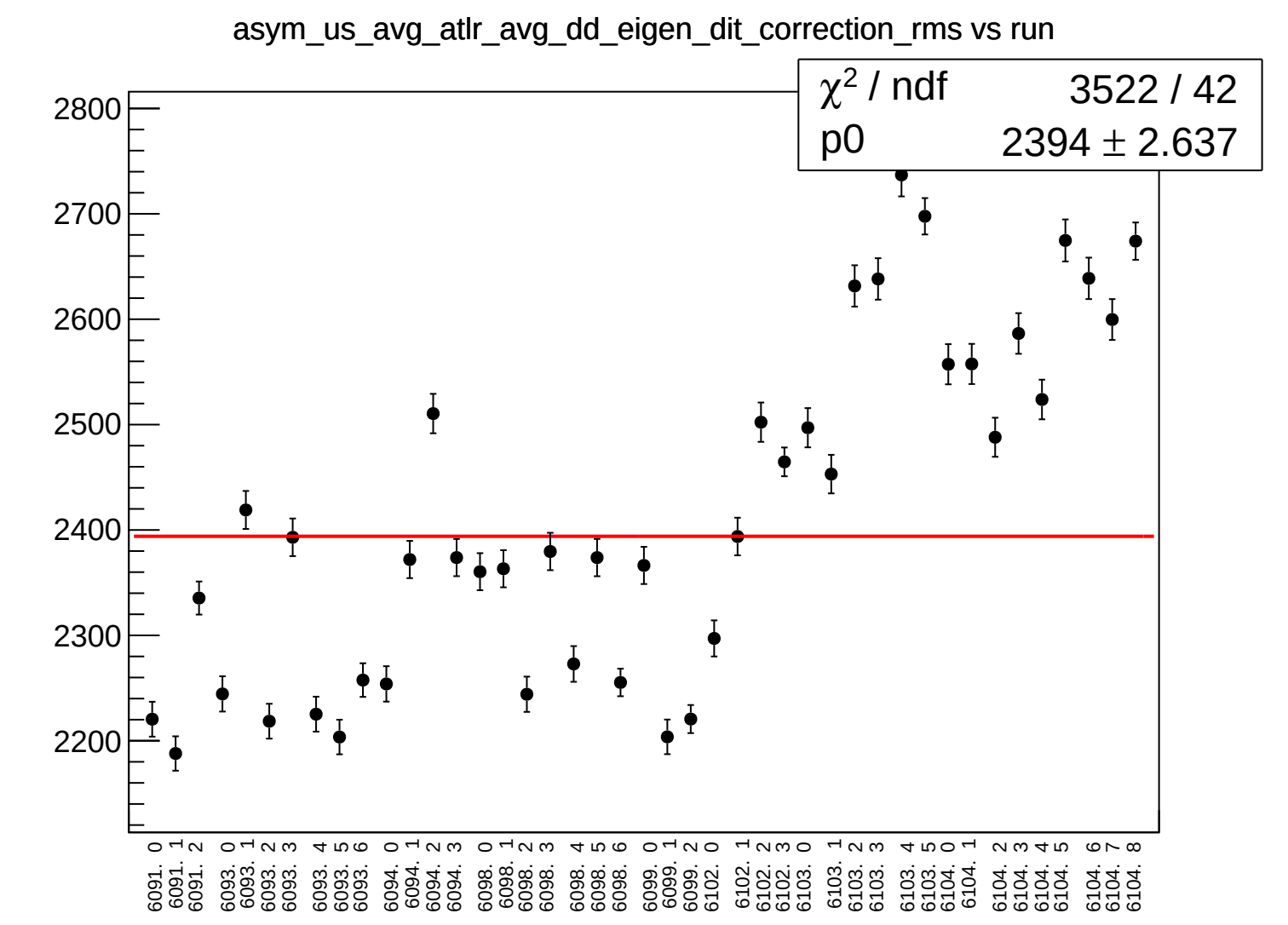

asym_us_avg_atlr_avg_dd_dit_correction_mean vs run
χ² / ndf 39.96 / 42
p0 −2144 ± 3729
80000
60000
40000
20000
0
−20000
−40000
−60000
−80000
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 19.22
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 43
Mean −0.01139
Std Dev 0.9639
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

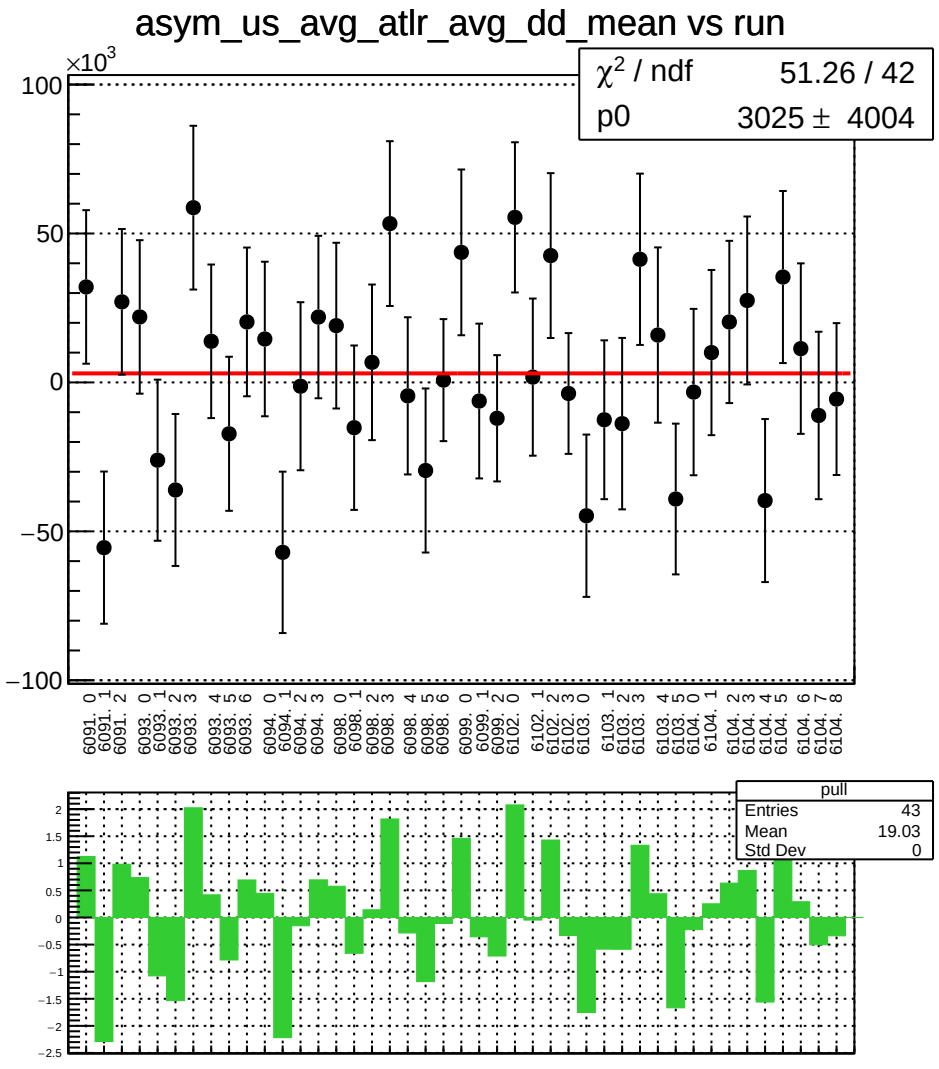

asym_us_avg_atlr_avg_dd_dit_correction_rms vs run
χ² / ndf 3522 / 42
p0 2394 ± 2.637
2800
2700
2600
2500
2400
2300
2200
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

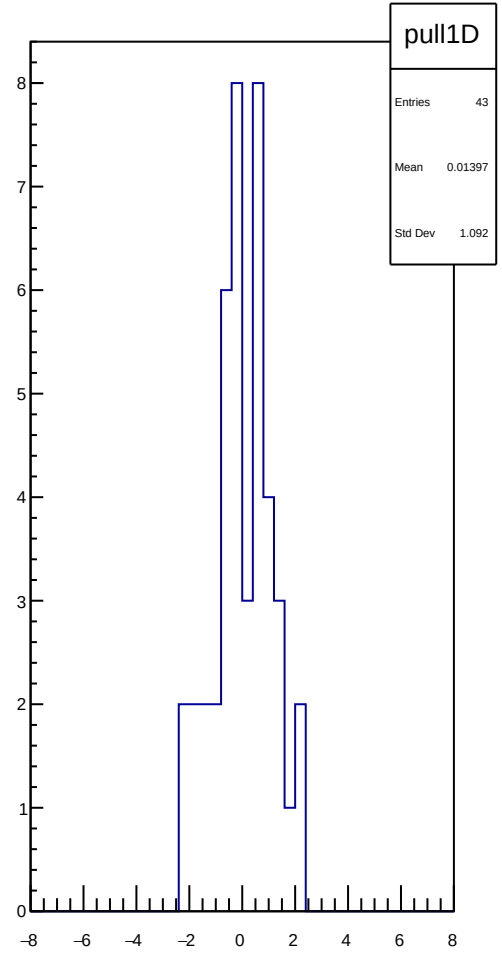

eigen_dit_asym_us_avg_atlr_avg_dd_mean vs run
χ² / ndf 46.12 / 42
p0 891.2 ± 1652
40000
30000
20000
10000
0
−10000
−20000
−30000
−40000
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 14.77
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5
pull1D
Entries 43
Mean 0.0078
Std Dev 1.036
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

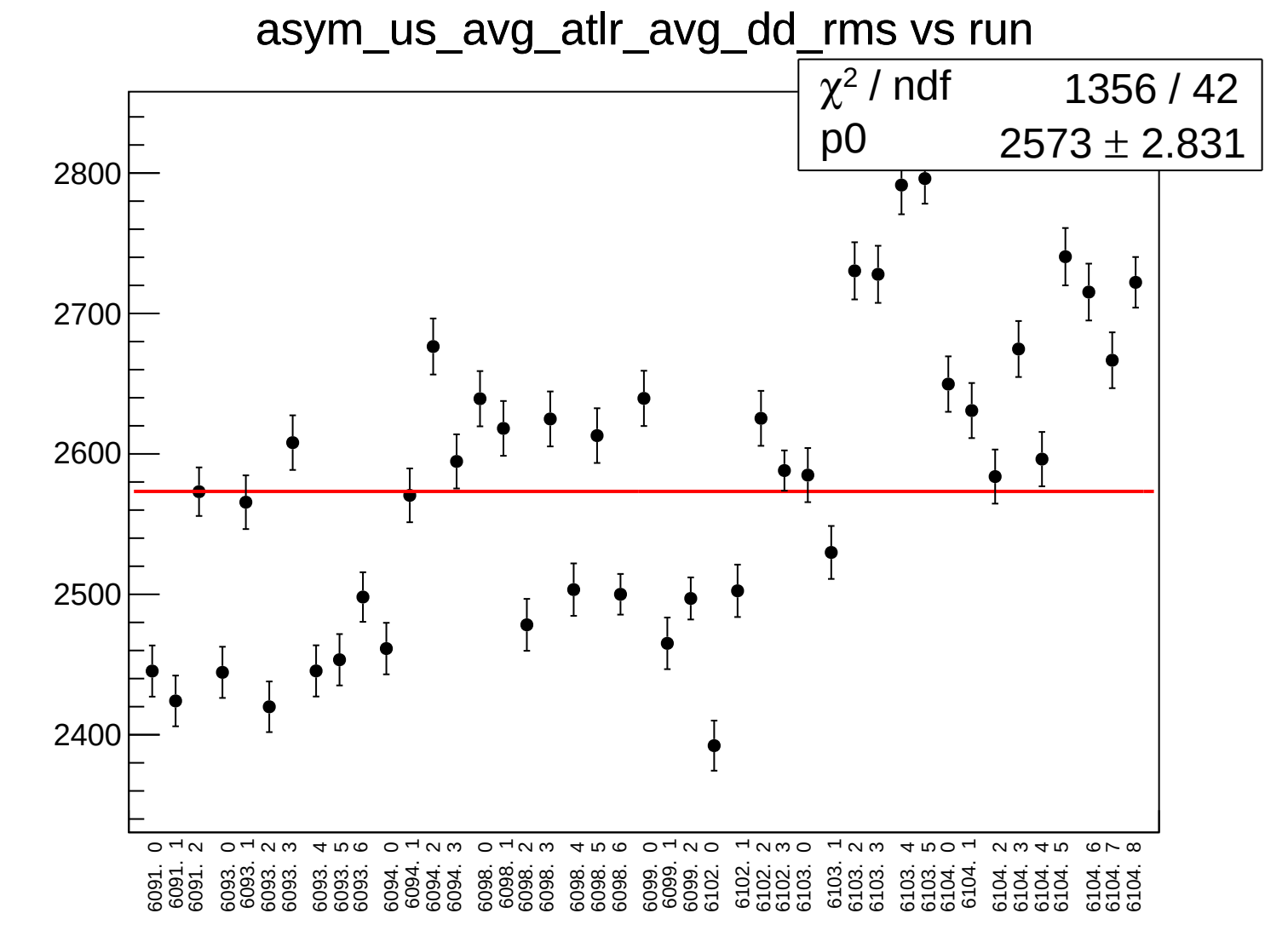

eigen_dit_asym_us_avg_atlr_avg_dd_rms vs run
χ² / ndf 149.7 / 42
p0 1063 ± 1.168
1130
1120
1110
1100
1090
1080
1070
1060
1050
1040
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

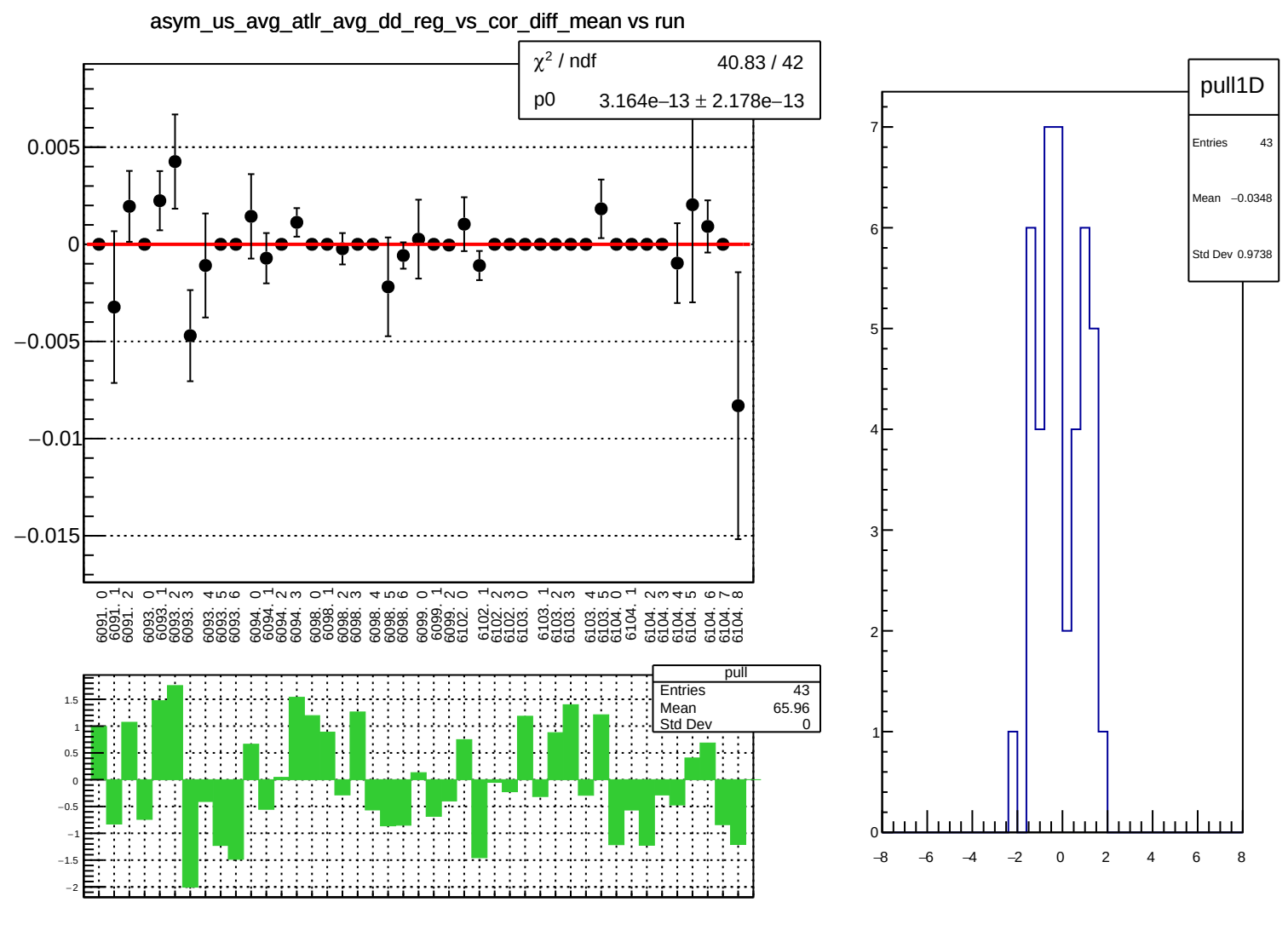

asym_us_avg_atlr_avg_dd_eigen_dit_correction_mean vs run
χ² / ndf 39.96 / 42
p0 −2144 ± 3729
80000
60000
40000
20000
0
−20000
−40000
−60000
−80000
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 19.22
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 43
Mean −0.01139
Std Dev 0.9639
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

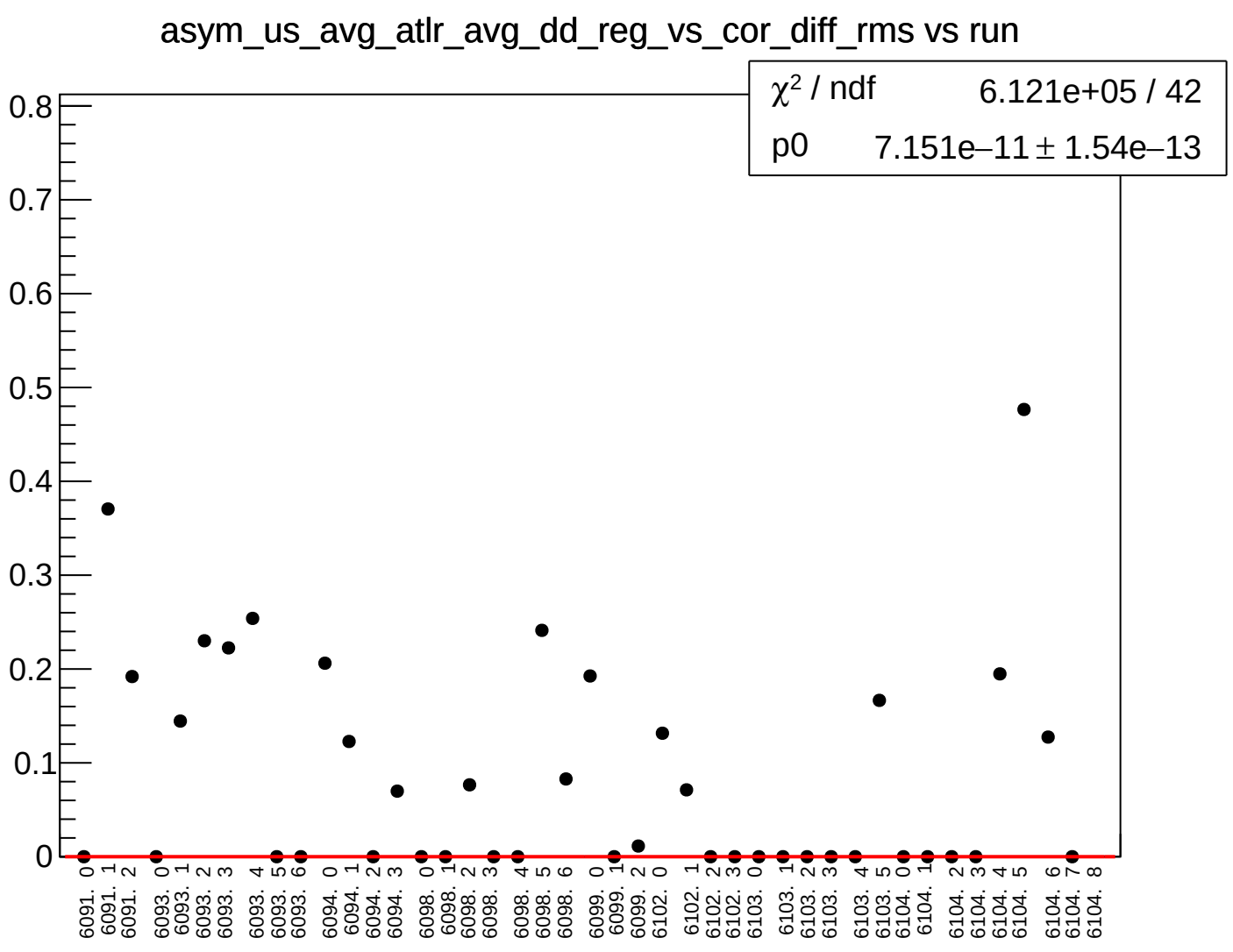

asym_us_avg_atlr_avg_dd_eigen_dit_correction_rms vs run
χ² / ndf 3522 / 42
p0 2394 ± 2.637
2800
2700
2600
2500
2400
2300
2200
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

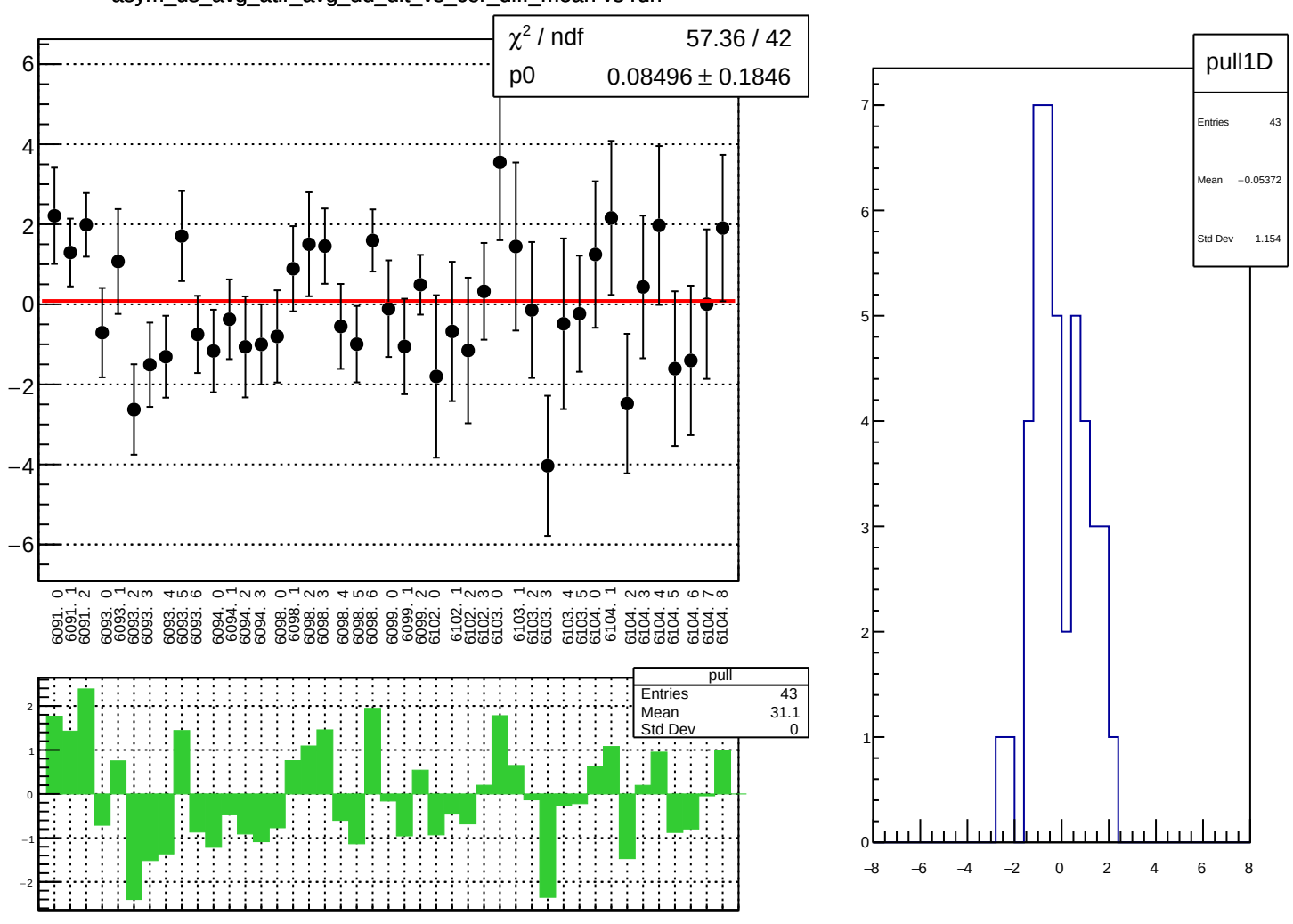

asym_us_avg_atlr_avg_dd_mean vs run
×10^3
χ² / ndf 51.26 / 42
p0 3025 ± 4004
100
50
0
−50
−100
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 19.03
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

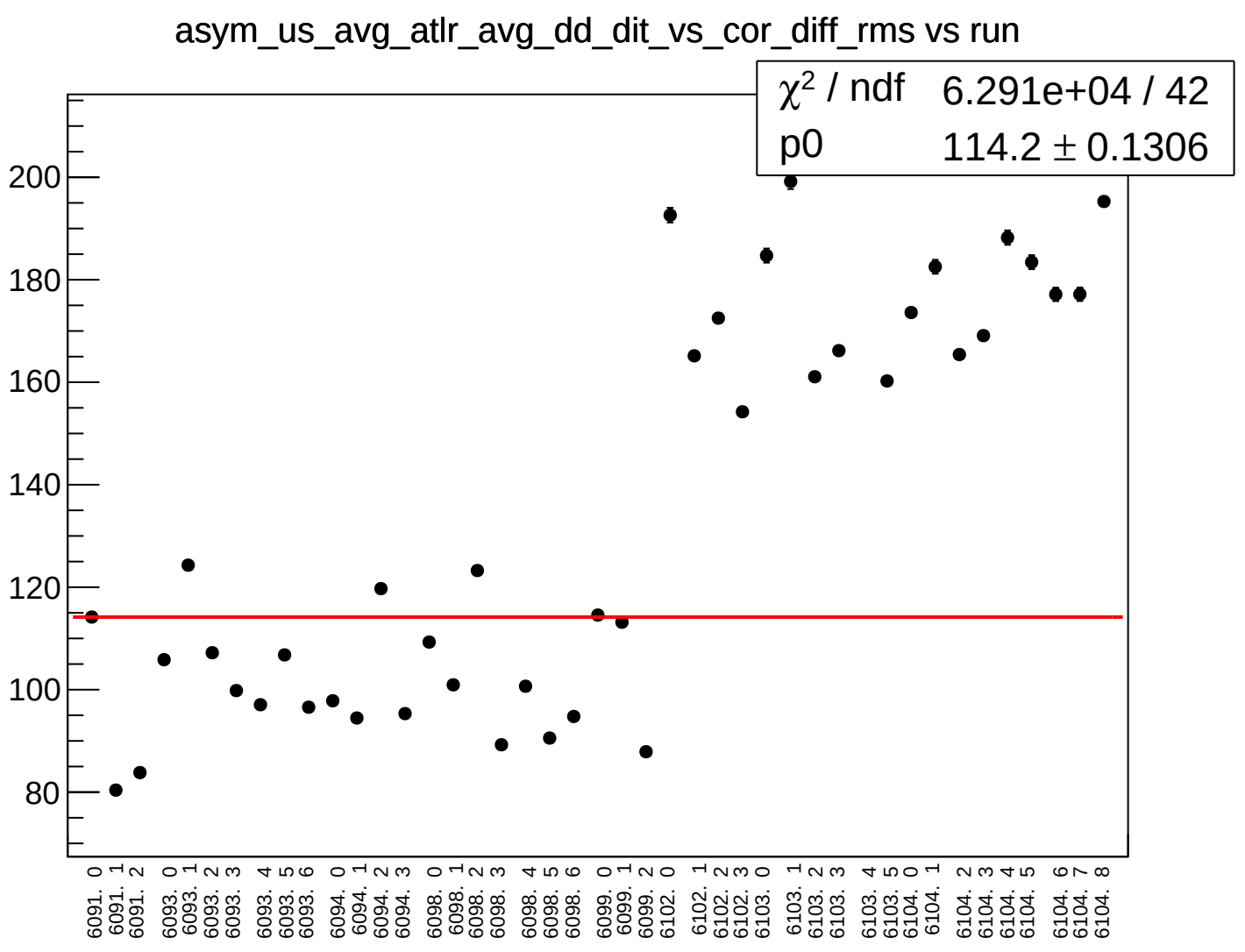

pull1D
Entries 43
Mean 0.01397
Std Dev 1.092
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

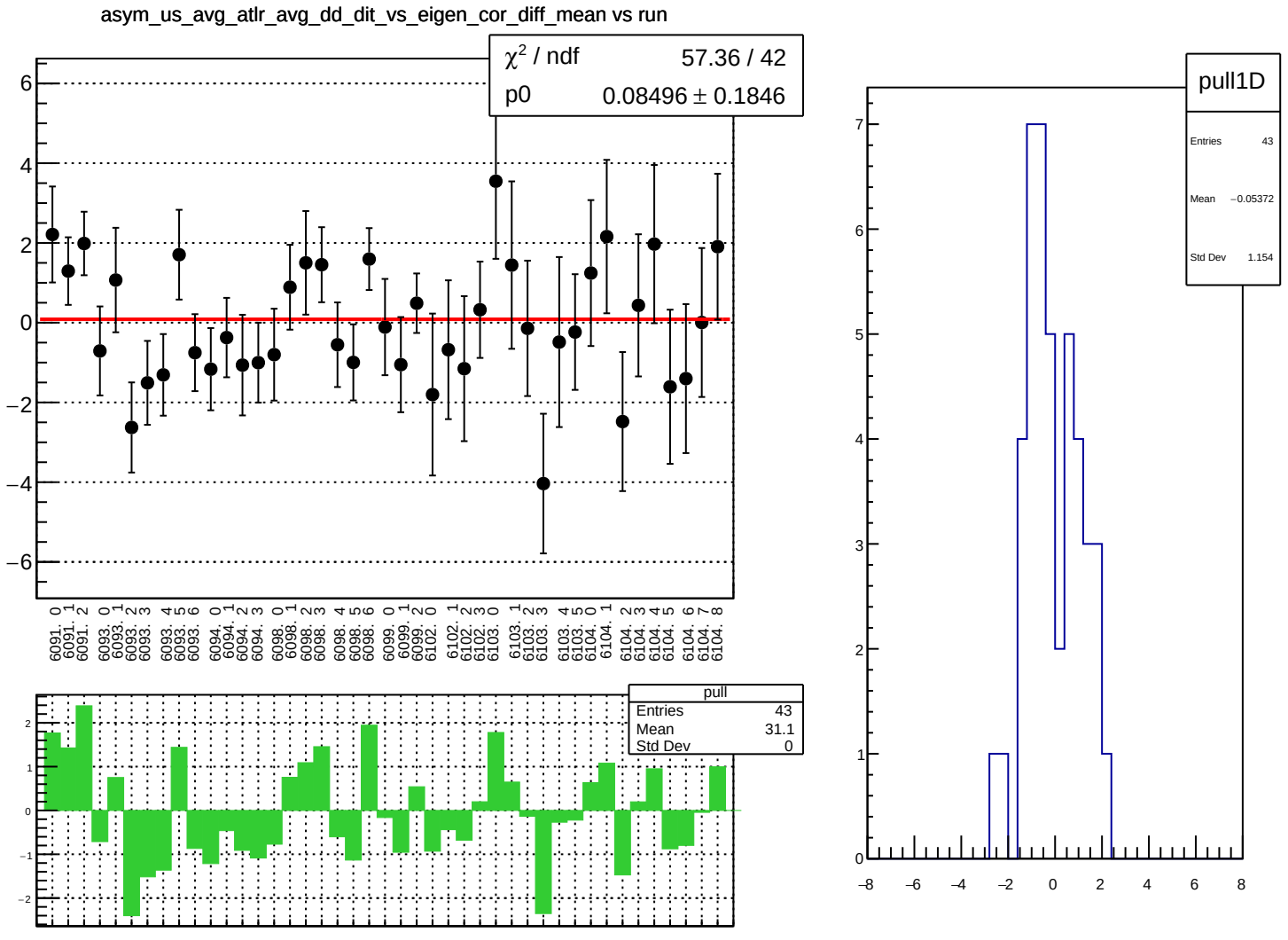

asym_us_avg_atlr_avg_dd_rms vs run
χ² / ndf 1356 / 42
p0 2573 ± 2.831
2800
2700
2600
2500
2400
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

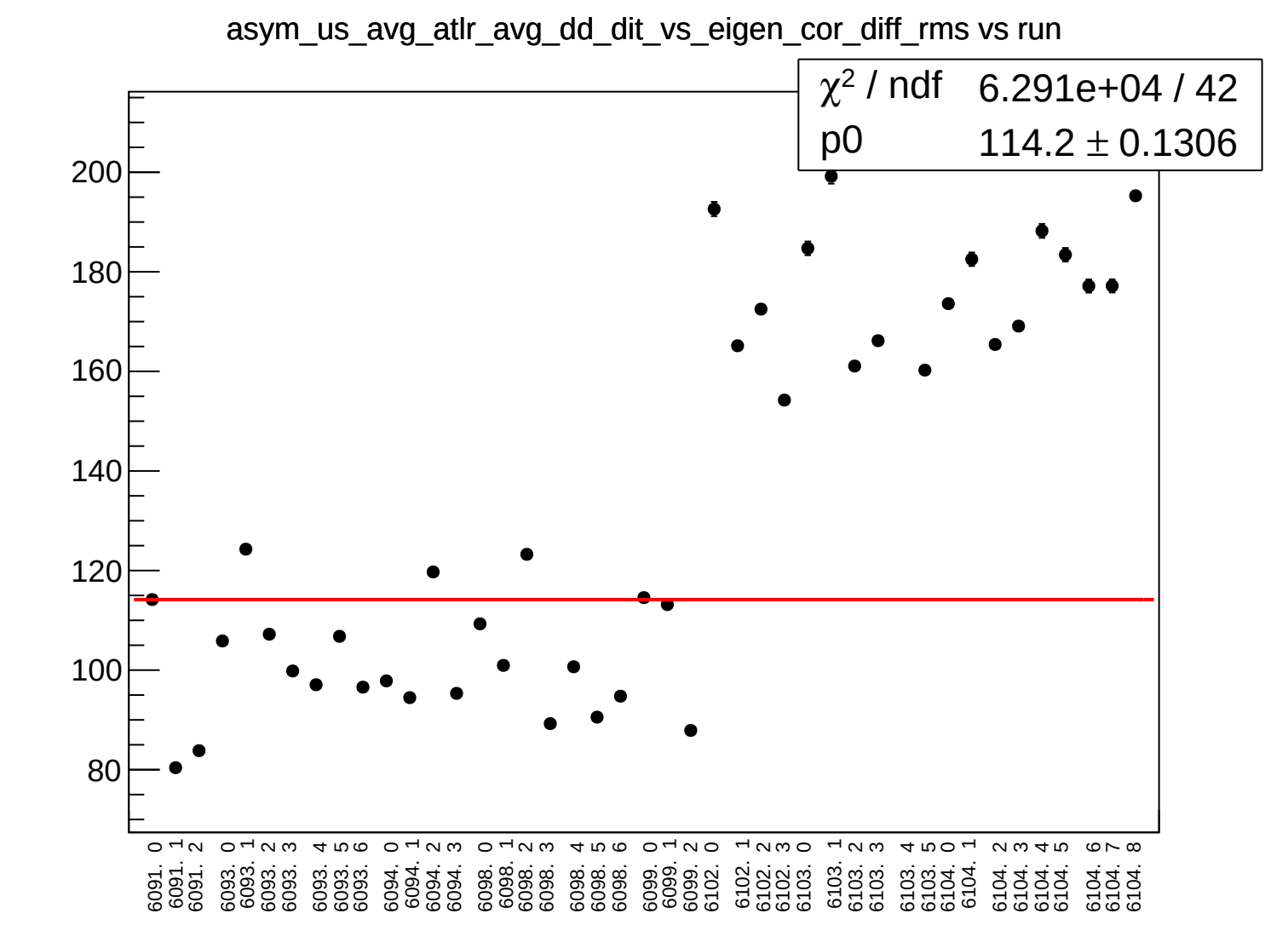

asym_us_avg_atlr_avg_dd_reg_vs_cor_diff_mean vs run
χ² / ndf 40.83 / 42
p0 3.164e−13 ± 2.178e−13
0.005
0
−0.005
−0.01
−0.015
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 65.96
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 43
Mean −0.0348
Std Dev 0.9738
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

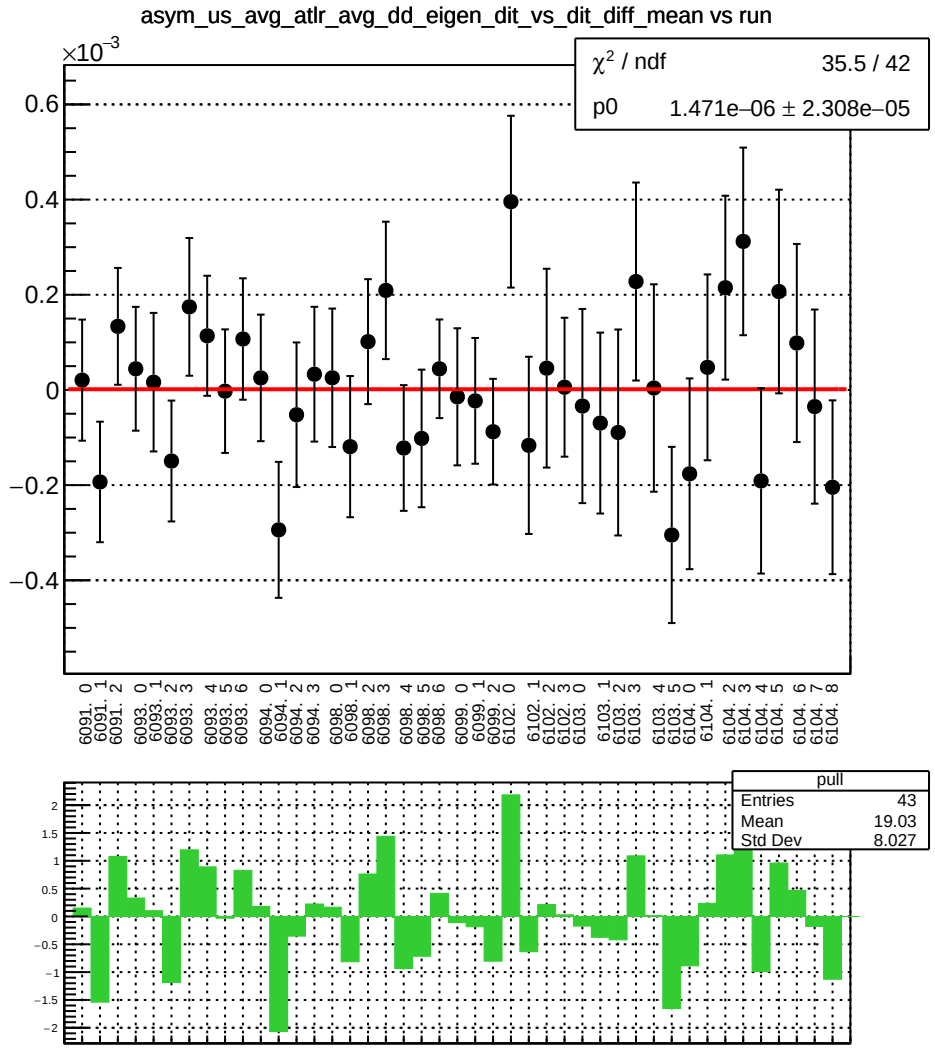

asym_us_avg_atlr_avg_dd_reg_vs_cor_diff_rms vs run
χ² / ndf 6.121e+05 / 42
p0 7.151e−11 ± 1.54e−13
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

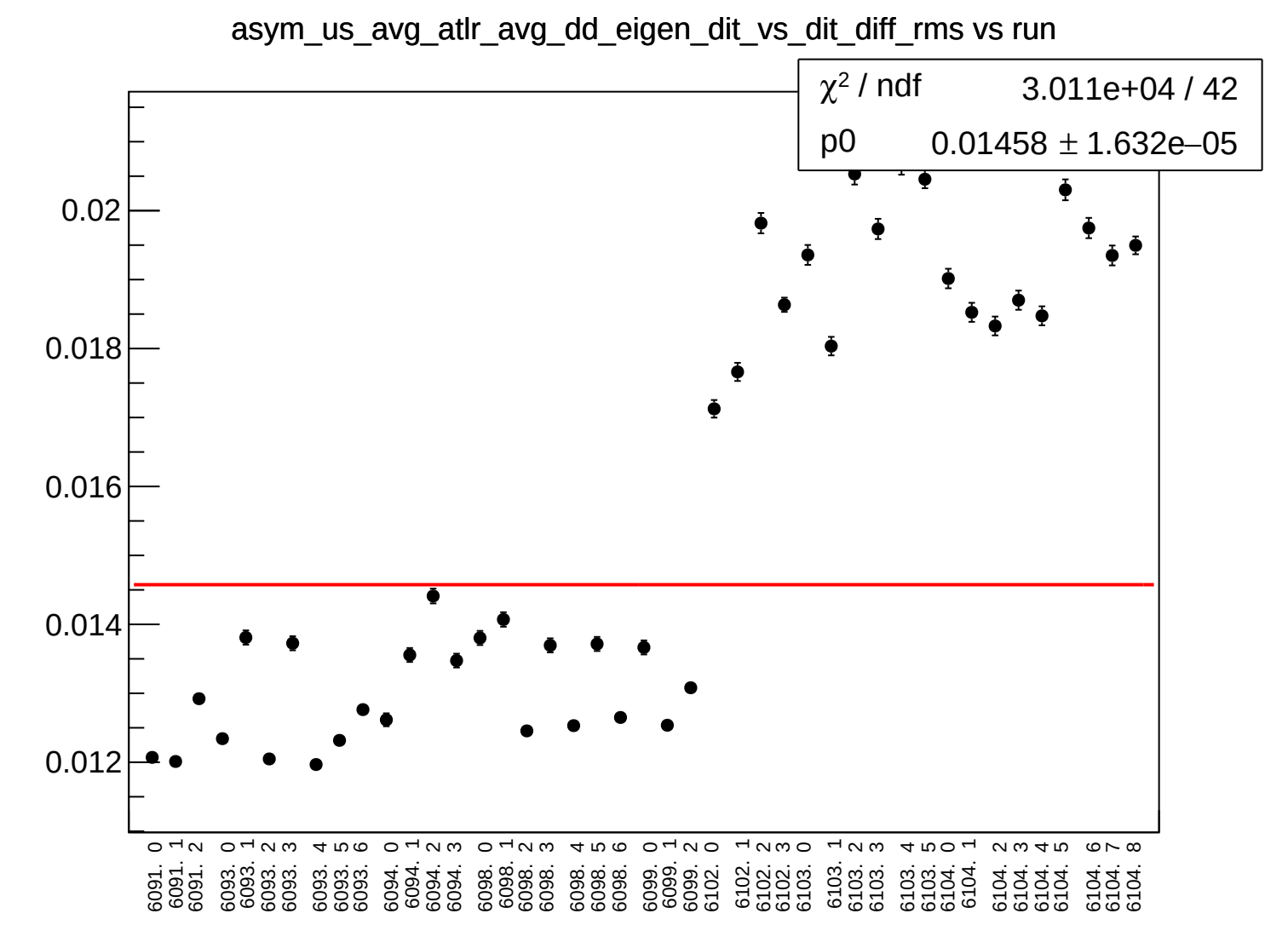

asym_us_avg_atlr_avg_dd_dit_vs_cor_diff_mean vs run
χ² / ndf 57.36 / 42
p0 0.08496 ± 0.1846
6
4
2
0
−2
−4
−6
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 31.1
Std Dev 0
2
1
0
−1
−2
pull1D
Entries 43
Mean −0.05372
Std Dev 1.154
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

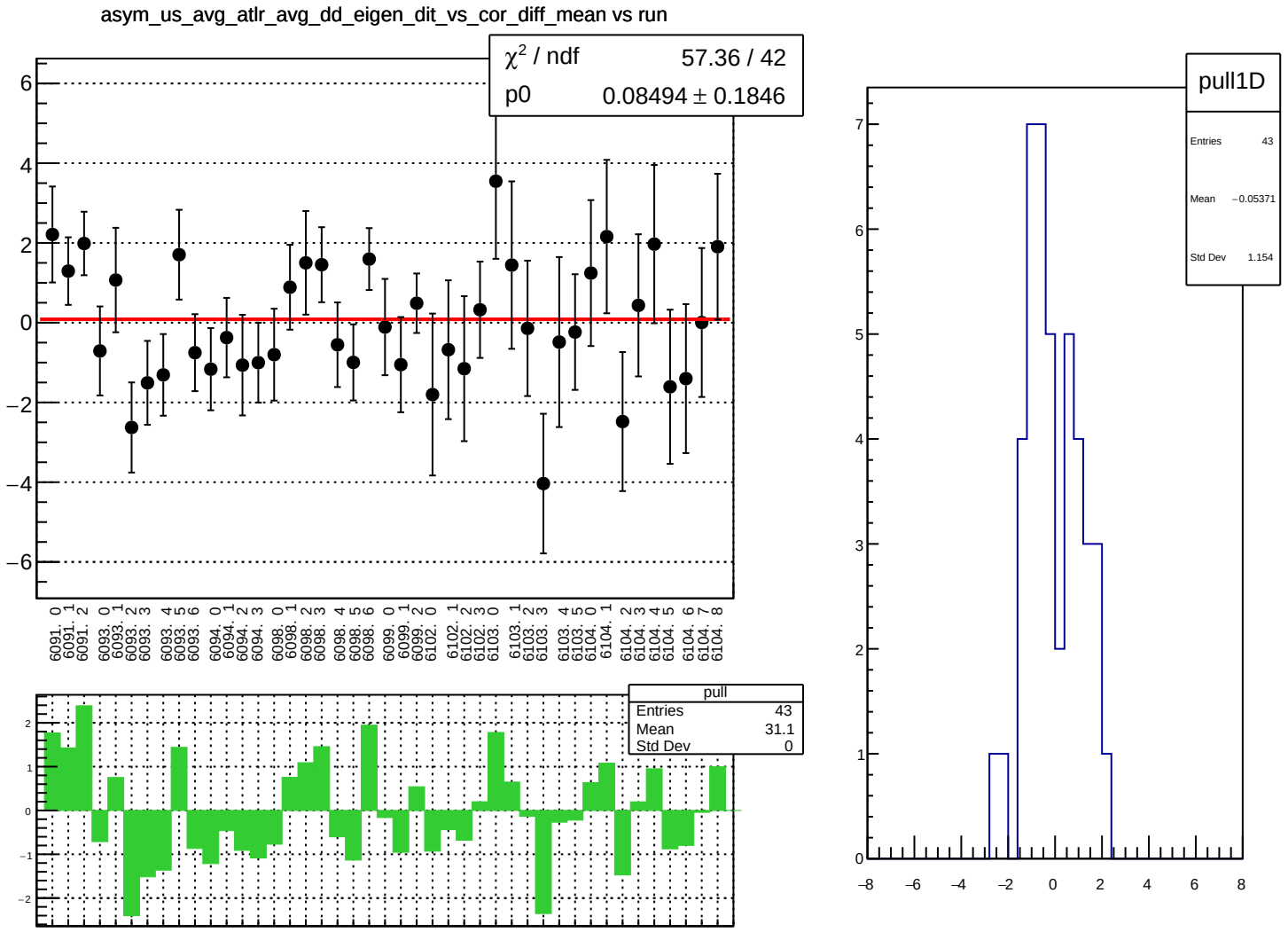

asym_us_avg_atlr_avg_dd_dit_vs_cor_diff_rms vs run
χ² / ndf 6.291e+04 / 42
p0 114.2 ± 0.1306
200
180
160
140
120
100
80
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

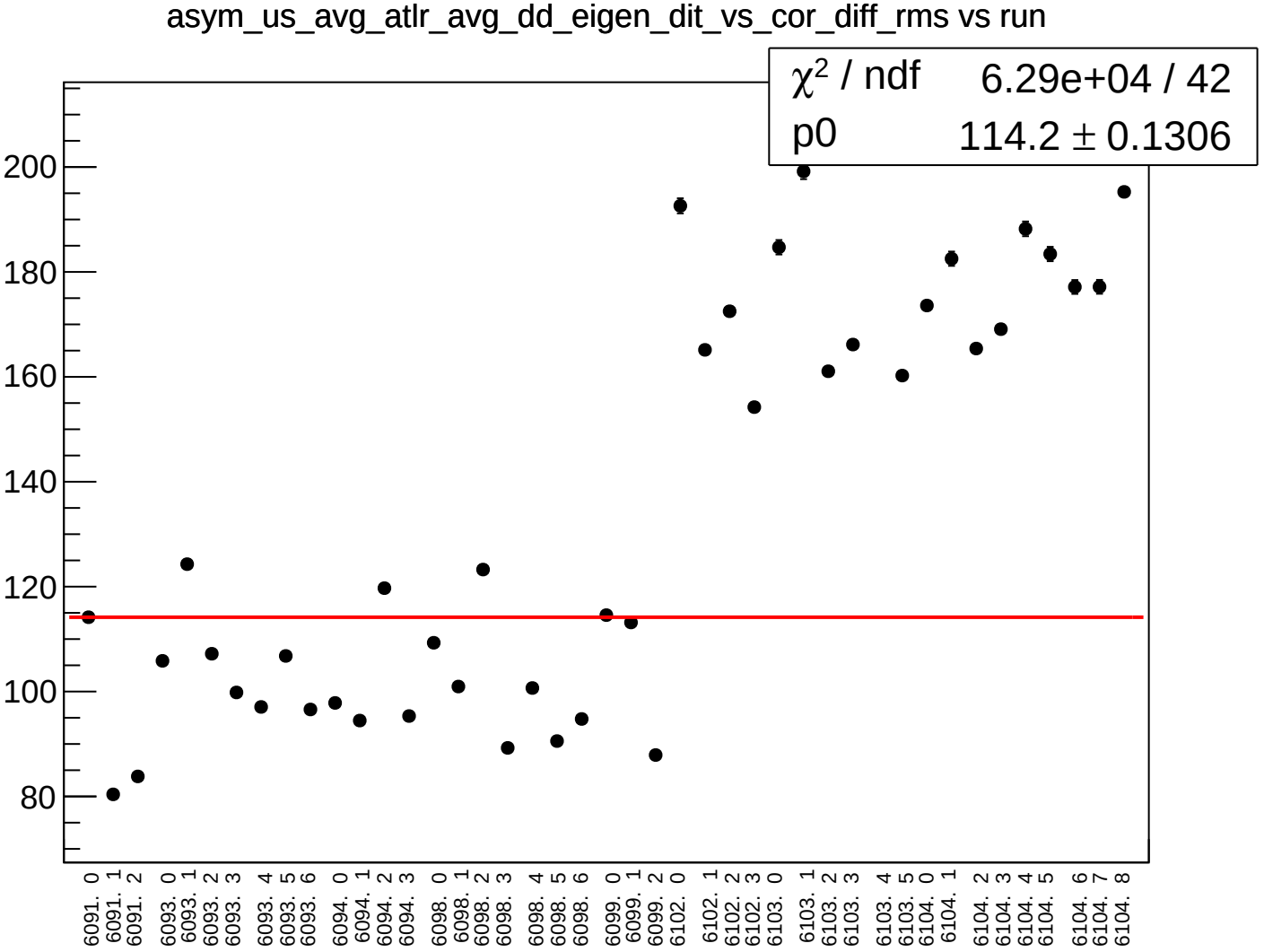

asym_us_avg_atlr_avg_dd_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 57.36 / 42
p0 0.08496 ± 0.1846
6
4
2
0
−2
−4
−6
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 31.1
Std Dev 0
2
1
0
−1
−2
pull1D
Entries 43
Mean −0.05372
Std Dev 1.154
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

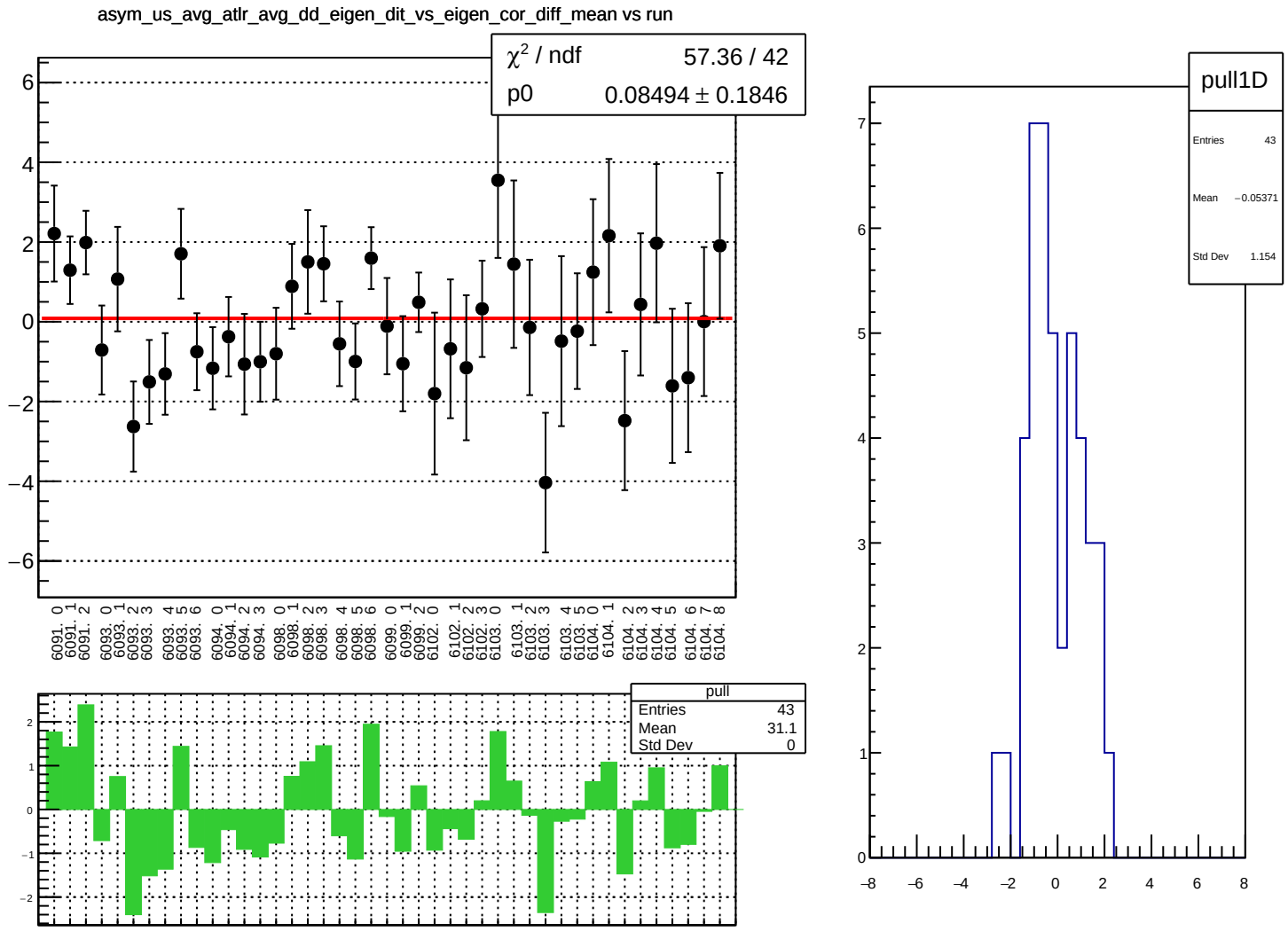

asym_us_avg_atlr_avg_dd_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 6.291e+04 / 42
p0 114.2 ± 0.1306
200
180
160
140
120
100
80
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

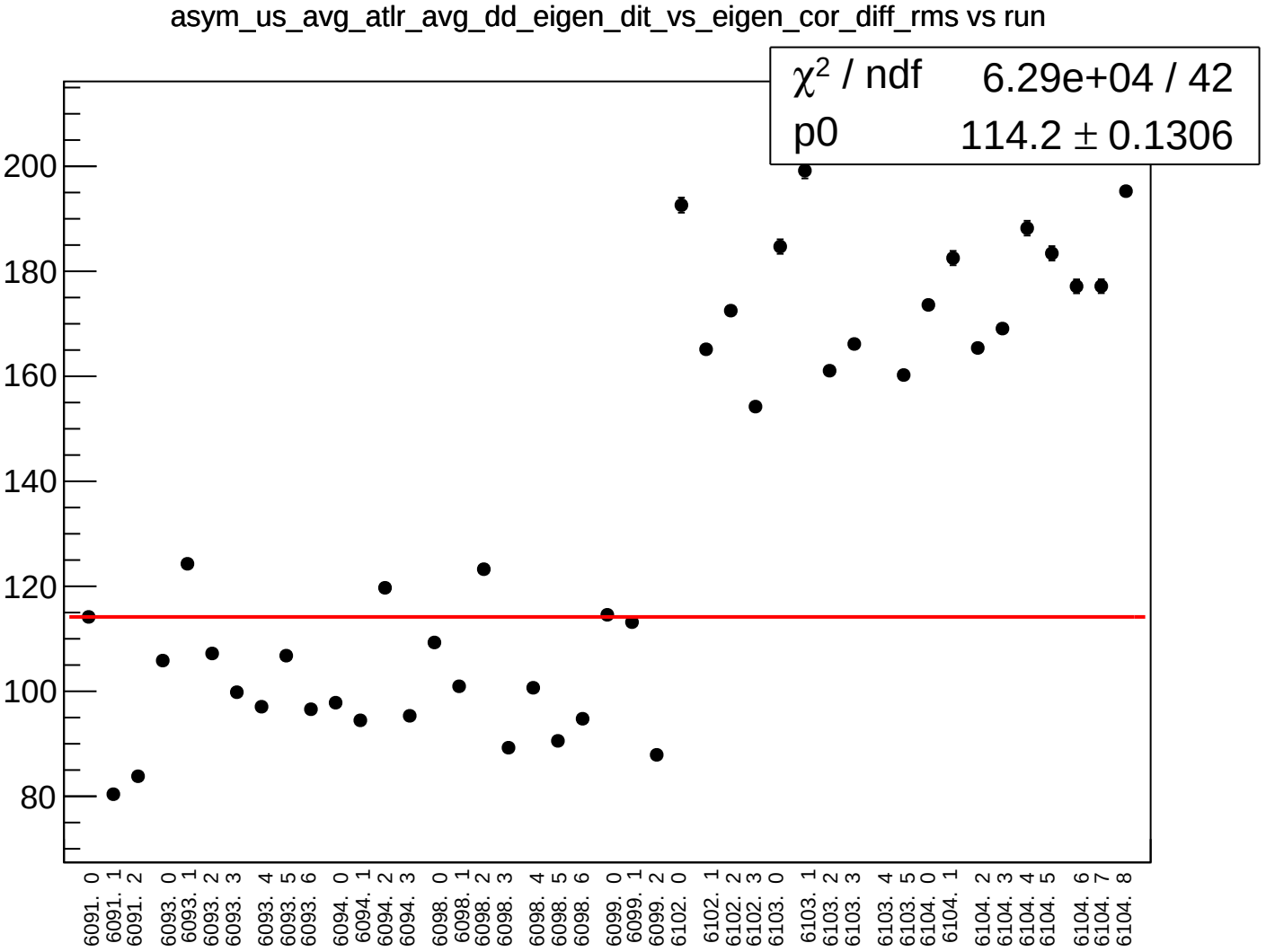

asym_us_avg_atlr_avg_dd_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 35.5 / 42
p0 1.471e−06 ± 2.308e−05
0.6
0.4
0.2
0
−0.2
−0.4
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 19.03
Std Dev 8.027
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 43
Mean 0.01046
Std Dev 0.9086
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

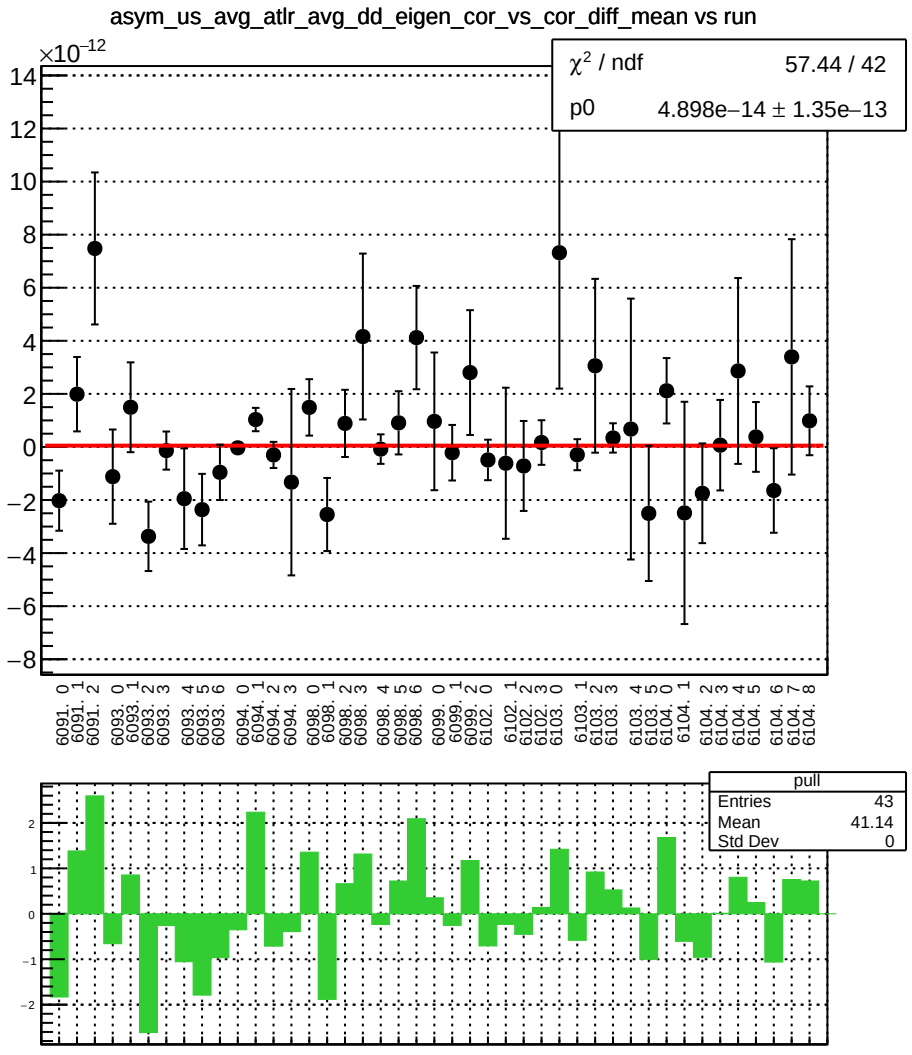

asym_us_avg_atlr_avg_dd_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 3.011e+04 / 42
p0 0.01458 ± 1.632e−05
0.02
0.018
0.016
0.014
0.012
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

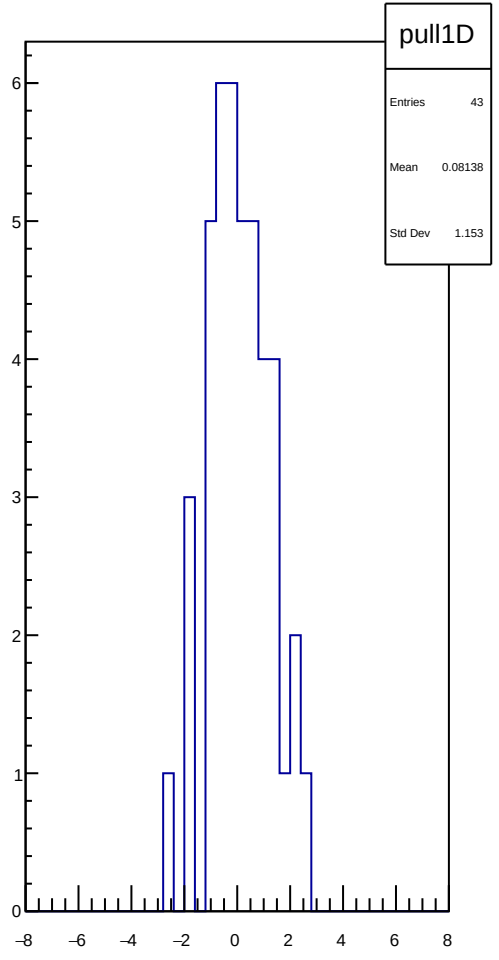

asym_us_avg_atlr_avg_dd_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 57.36 / 42
p0 0.08494 ± 0.1846
6
4
2
0
−2
−4
−6
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 31.1
Std Dev 0
2
1
0
−1
−2
pull1D
Entries 43
Mean −0.05371
Std Dev 1.154
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

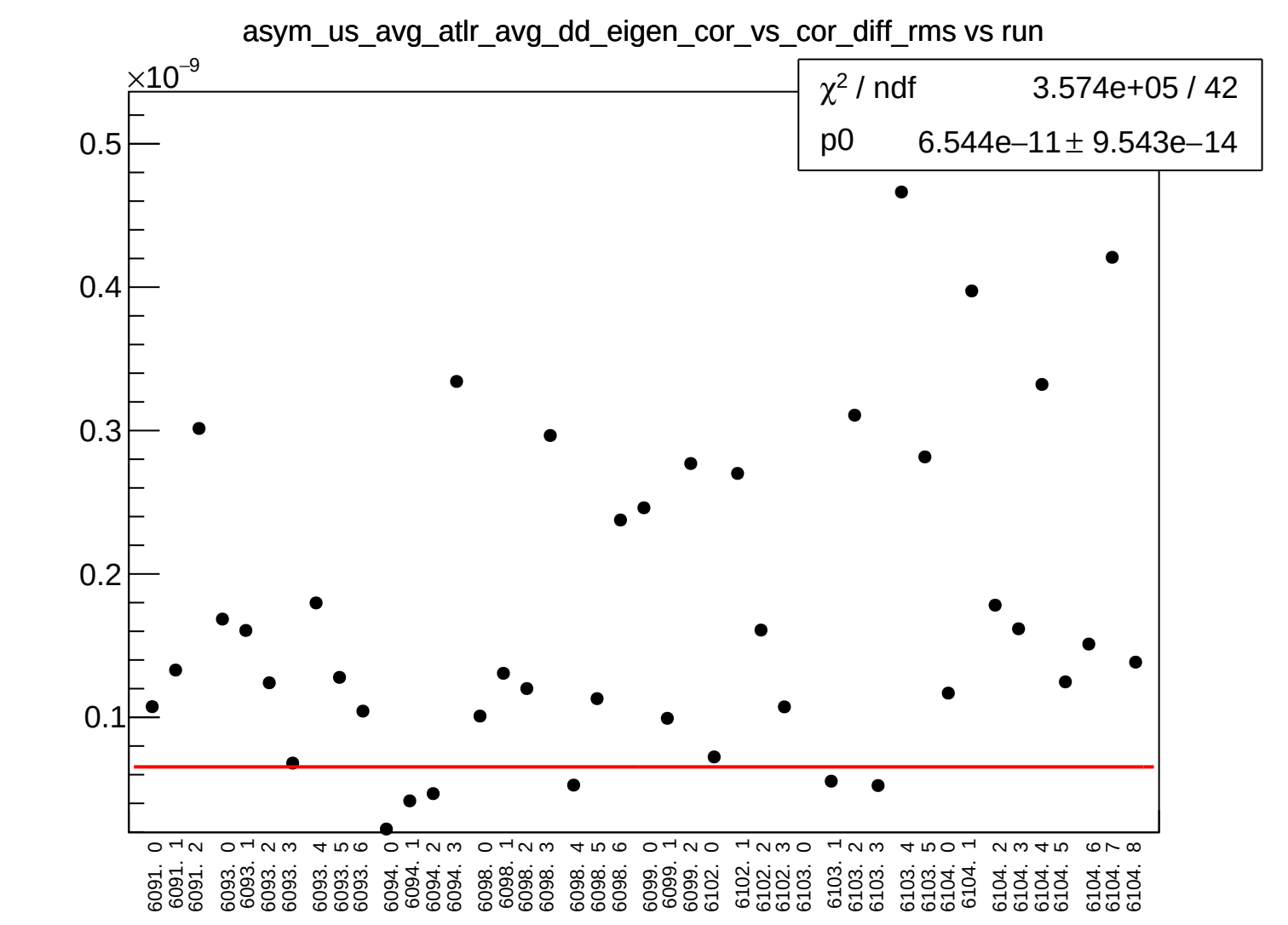

asym_us_avg_atlr_avg_dd_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 6.29e+04 / 42
p0 114.2 ± 0.1306
200
180
160
140
120
100
80
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

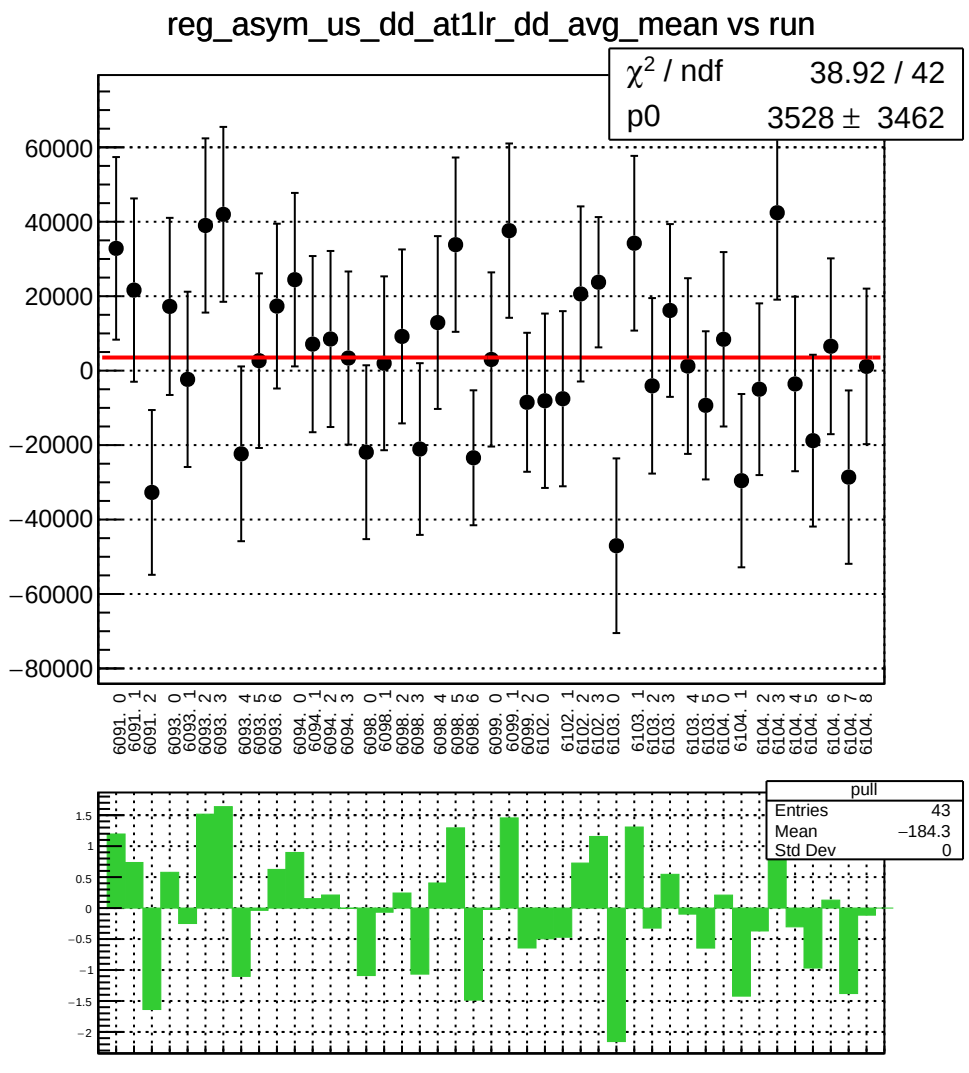

asym_us_avg_atlr_avg_dd_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 57.36 / 42
p0 0.08494 ± 0.1846
6
4
2
0
−2
−4
−6
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 31.1
Std Dev 0
2
1
0
−1
−2
pull1D
Entries 43
Mean −0.05371
Std Dev 1.154
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

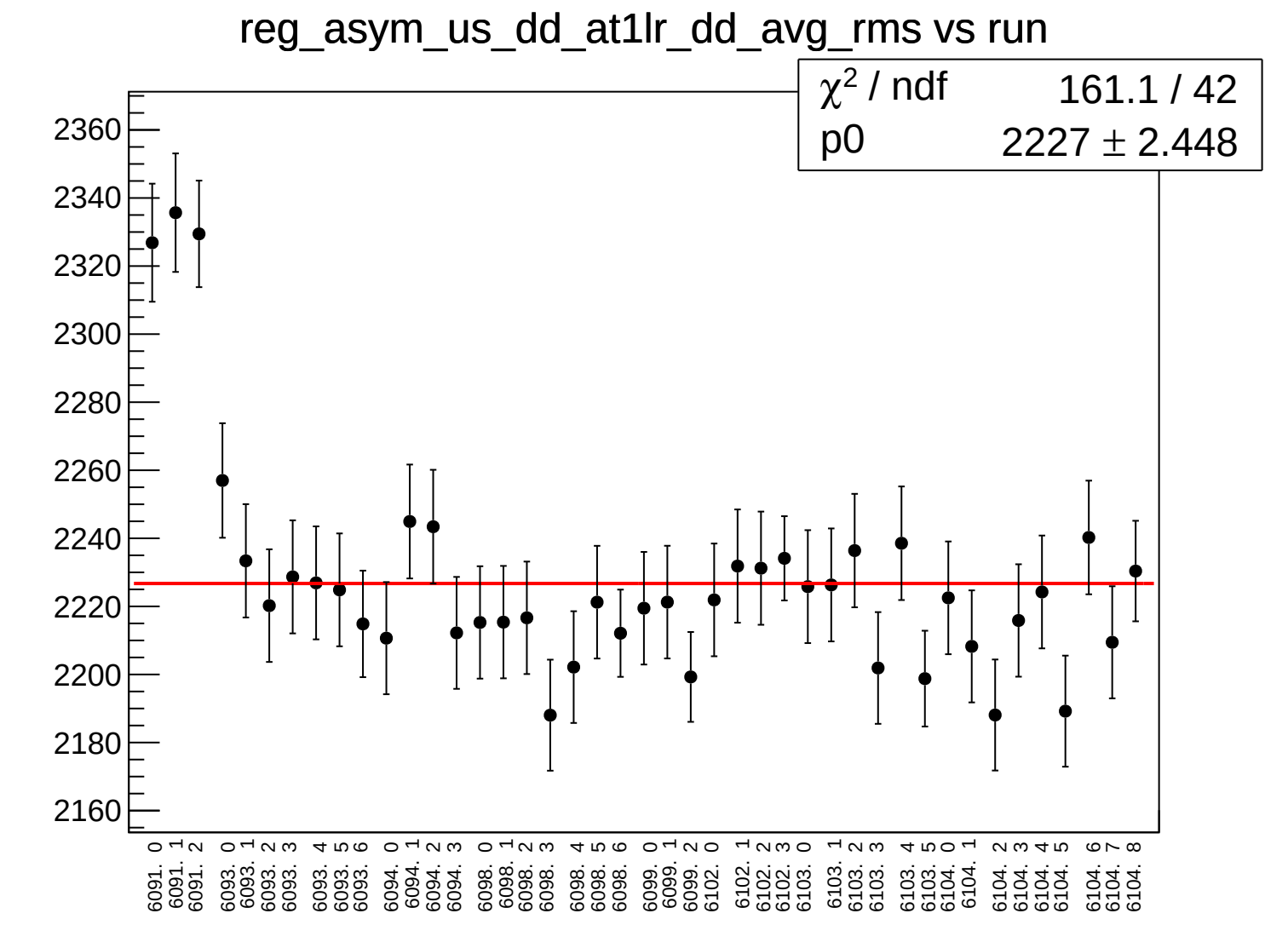

asym_us_avg_atlr_avg_dd_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 6.29e+04 / 42
p0 114.2 ± 0.1306
200
180
160
140
120
100
80
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

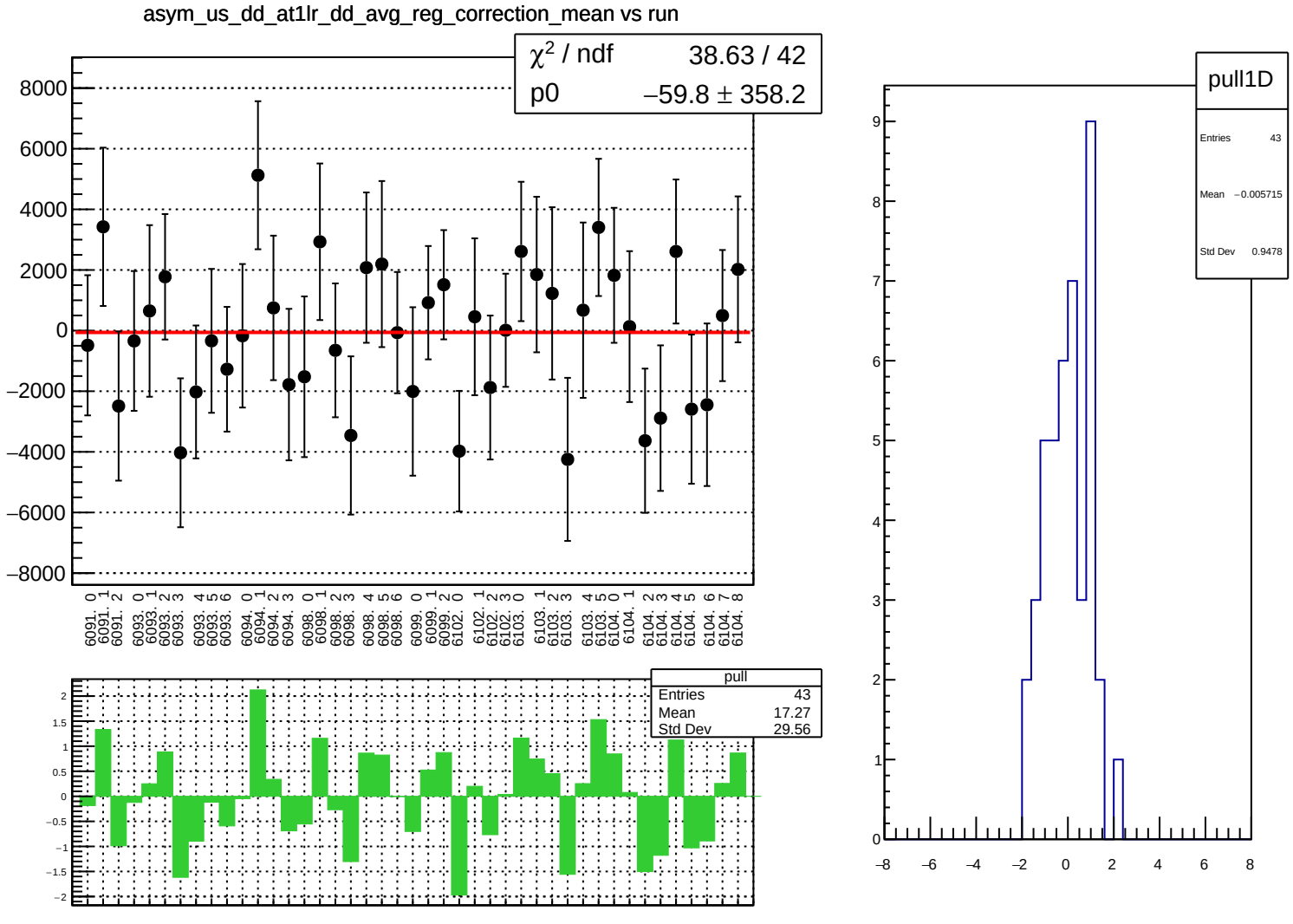

asym_us_avg_atlr_avg_dd_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 57.44 / 42
p0 4.898e−14 ± 1.35e−13
pull
Entries 43
Mean 41.14
Std Dev 0

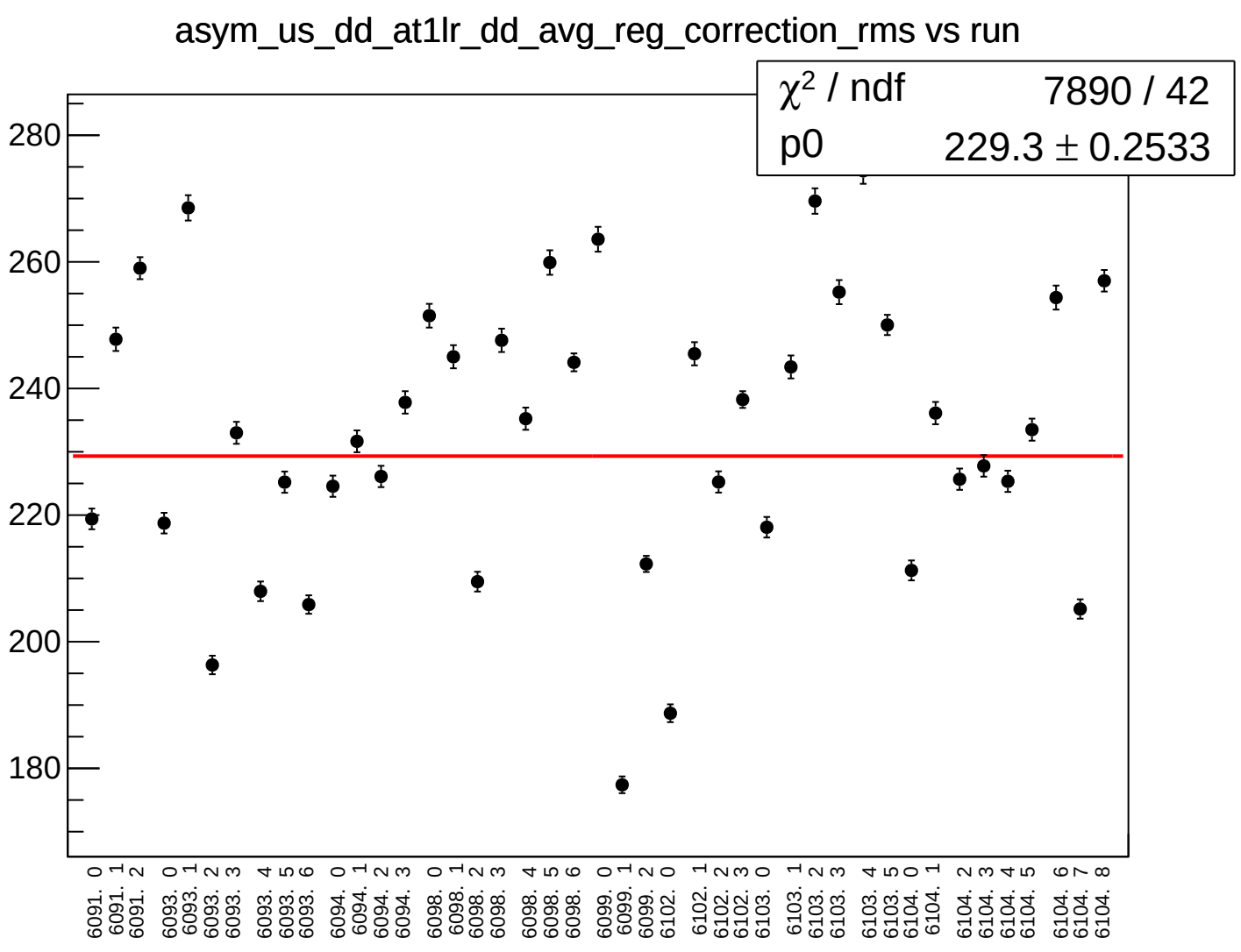

pull1D
Entries 43
Mean 0.08138
Std Dev 1.153


asym_us_avg_atlr_avg_dd_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 3.574e+05 / 42
p0 6.544e−11 ± 9.543e−14
0.5
0.4
0.3
0.2
0.1
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8


reg_asym_us_dd_at1lr_dd_avg_mean vs run
χ² / ndf 38.92 / 42
p0 3528 ± 3462
60000
40000
20000
0
−20000
−40000
−60000
−80000
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean −184.3
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 43
Mean 0.01237
Std Dev 0.9513
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


reg_asym_us_dd_at1lr_dd_avg_rms vs run
χ² / ndf 161.1 / 42
p0 2227 ± 2.448
2360
2340
2320
2300
2280
2260
2240
2220
2200
2180
2160
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8


asym_us_dd_at1lr_dd_avg_reg_correction_mean vs run
χ² / ndf 38.63 / 42
p0 −59.8 ± 358.2
8000
6000
4000
2000
0
−2000
−4000
−6000
−8000
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 17.27
Std Dev 29.56
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 43
Mean −0.005715
Std Dev 0.9478
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


asym_us_dd_at1lr_dd_avg_reg_correction_rms vs run
χ² / ndf 7890 / 42
p0 229.3 ± 0.2533
280
260
240
220
200
180
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
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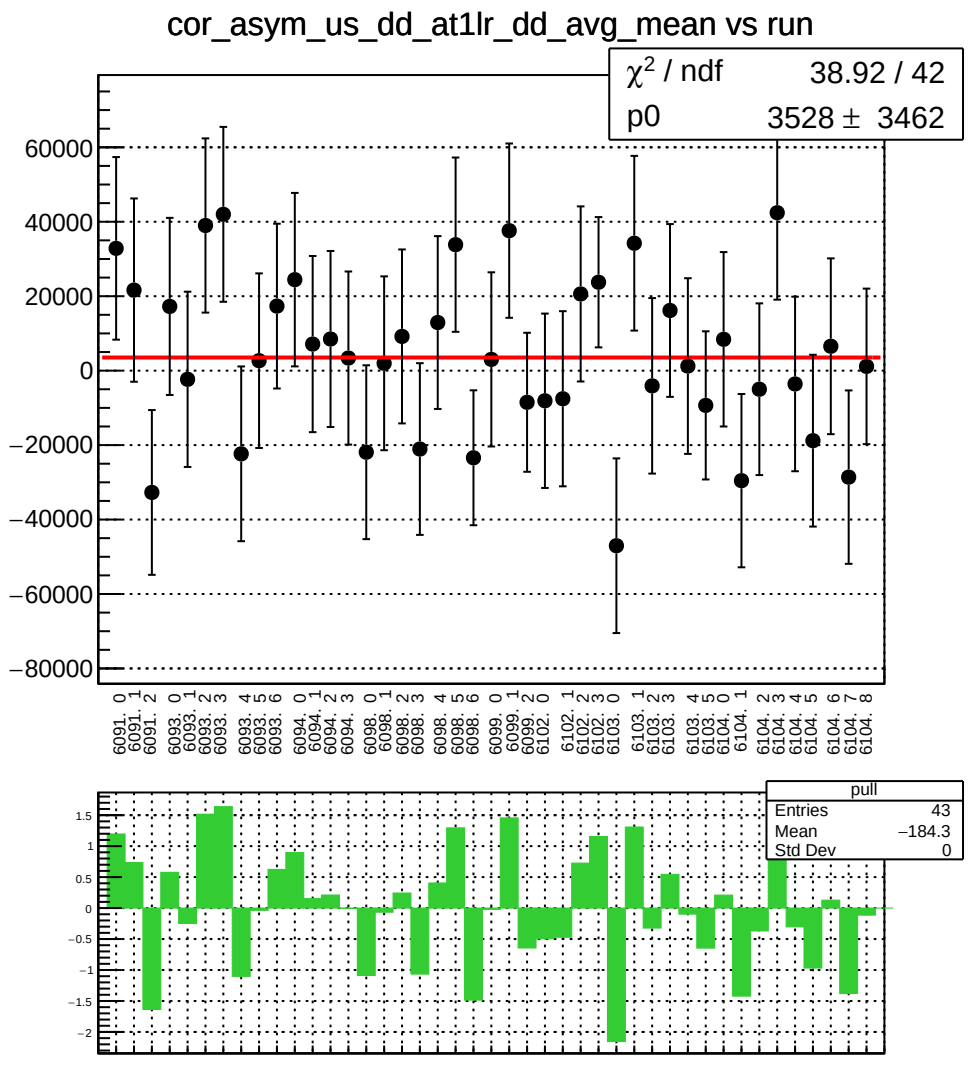
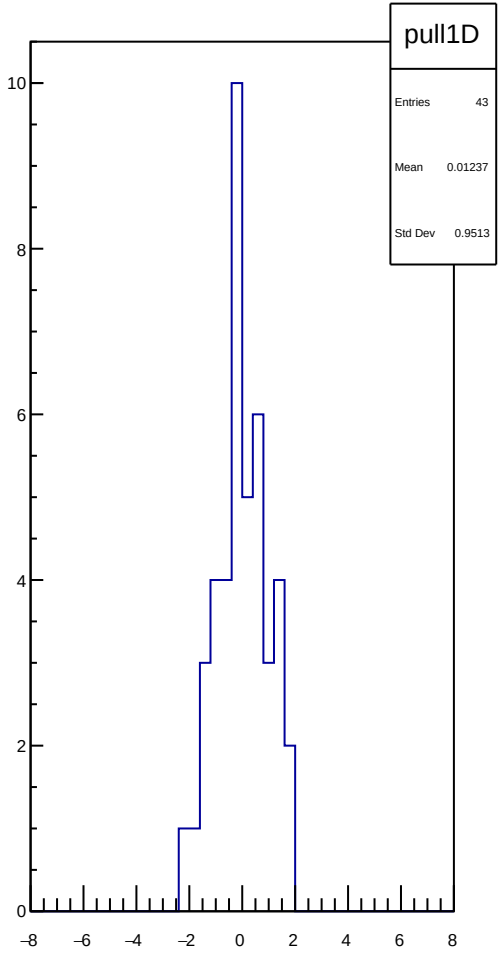
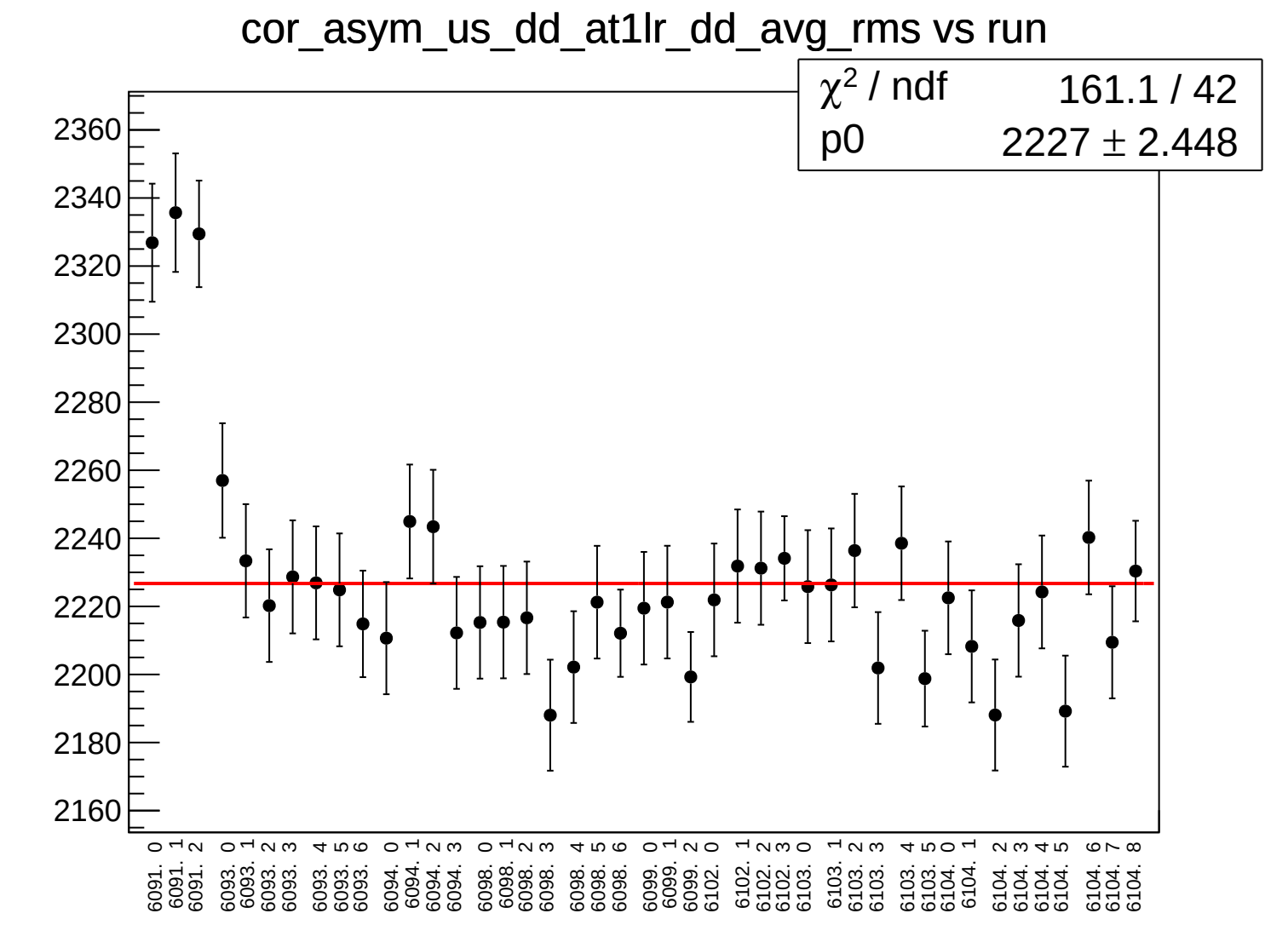
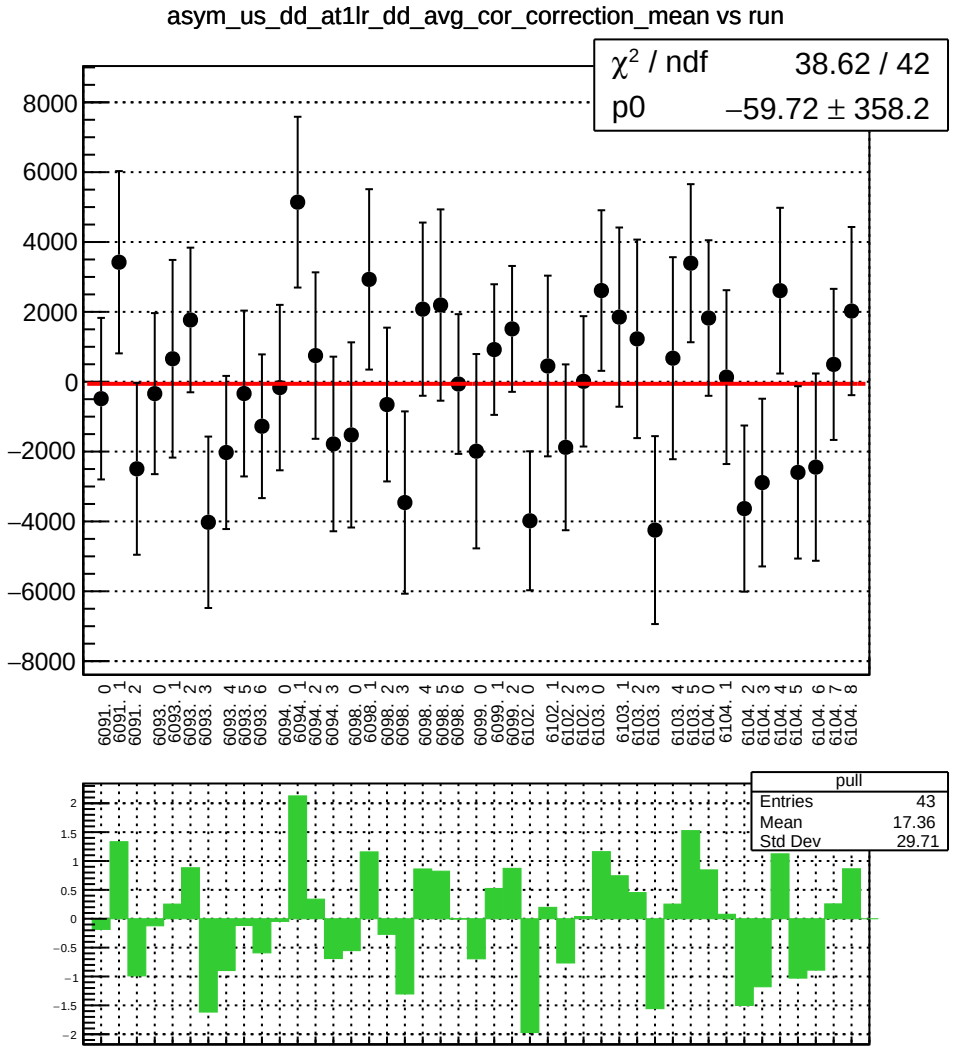
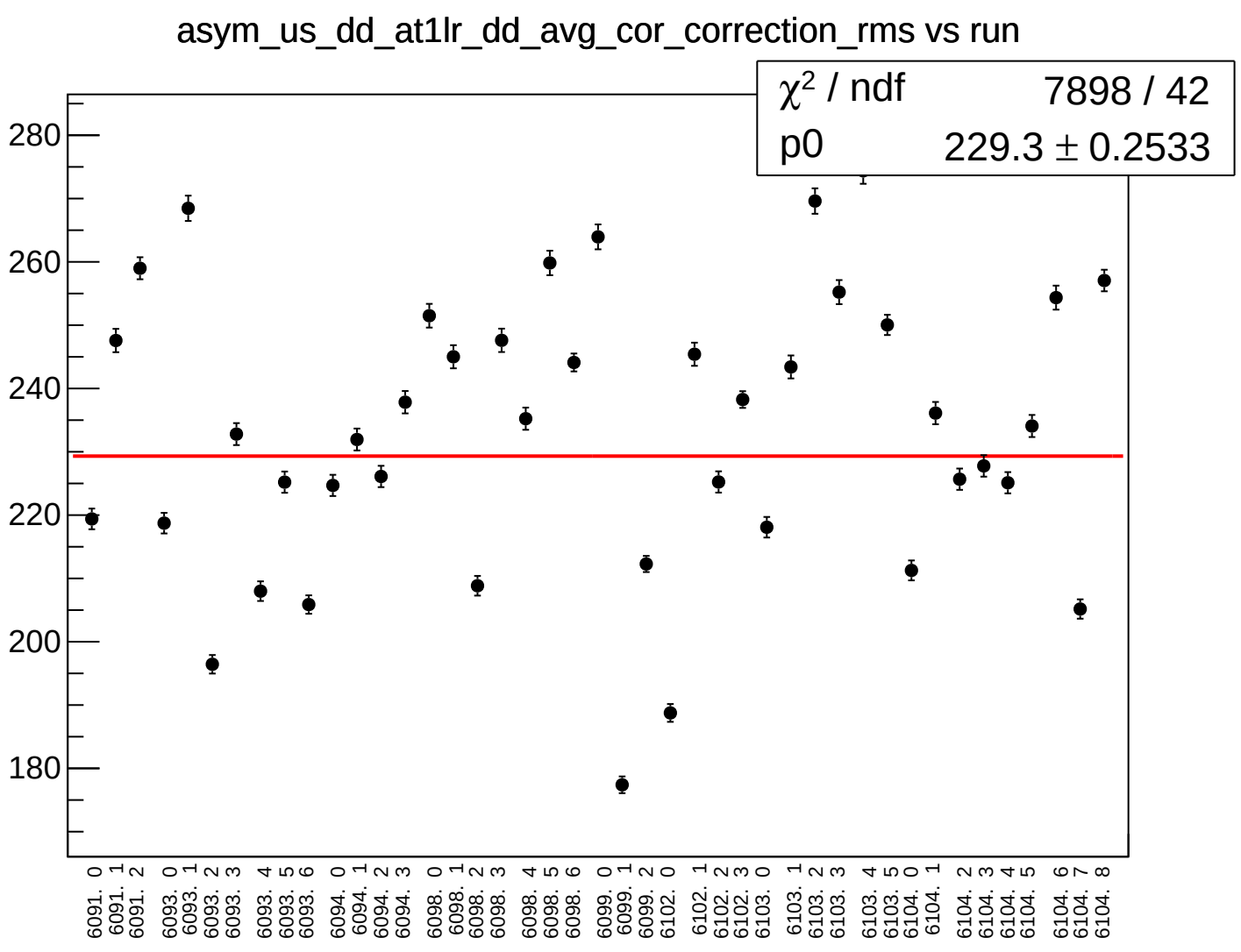
6104. 5
6104. 6
6104. 7
6104. 8


cor_asym_us_dd_at1lr_dd_avg_mean vs run
χ² / ndf 38.92 / 42
p0 3528 ± 3462
60000
40000
20000
0
−20000
−40000
−60000
−80000
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean −184.3
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2


pull1D
Entries 43
Mean 0.01237
Std Dev 0.9513
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


cor_asym_us_dd_at1lr_dd_avg_rms vs run
χ² / ndf 161.1 / 42
p0 2227 ± 2.448
2360
2340
2320
2300
2280
2260
2240
2220
2200
2180
2160
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8


asym_us_dd_at1lr_dd_avg_cor_correction_mean vs run
χ² / ndf 38.62 / 42
p0 −59.72 ± 358.2
8000
6000
4000
2000
0
−2000
−4000
−6000
−8000
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 17.36
Std Dev 29.71
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 43
Mean −0.00567
Std Dev 0.9477
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


asym_us_dd_at1lr_dd_avg_cor_correction_rms vs run
χ² / ndf 7898 / 42
p0 229.3 ± 0.2533
280
260
240
220
200
180
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
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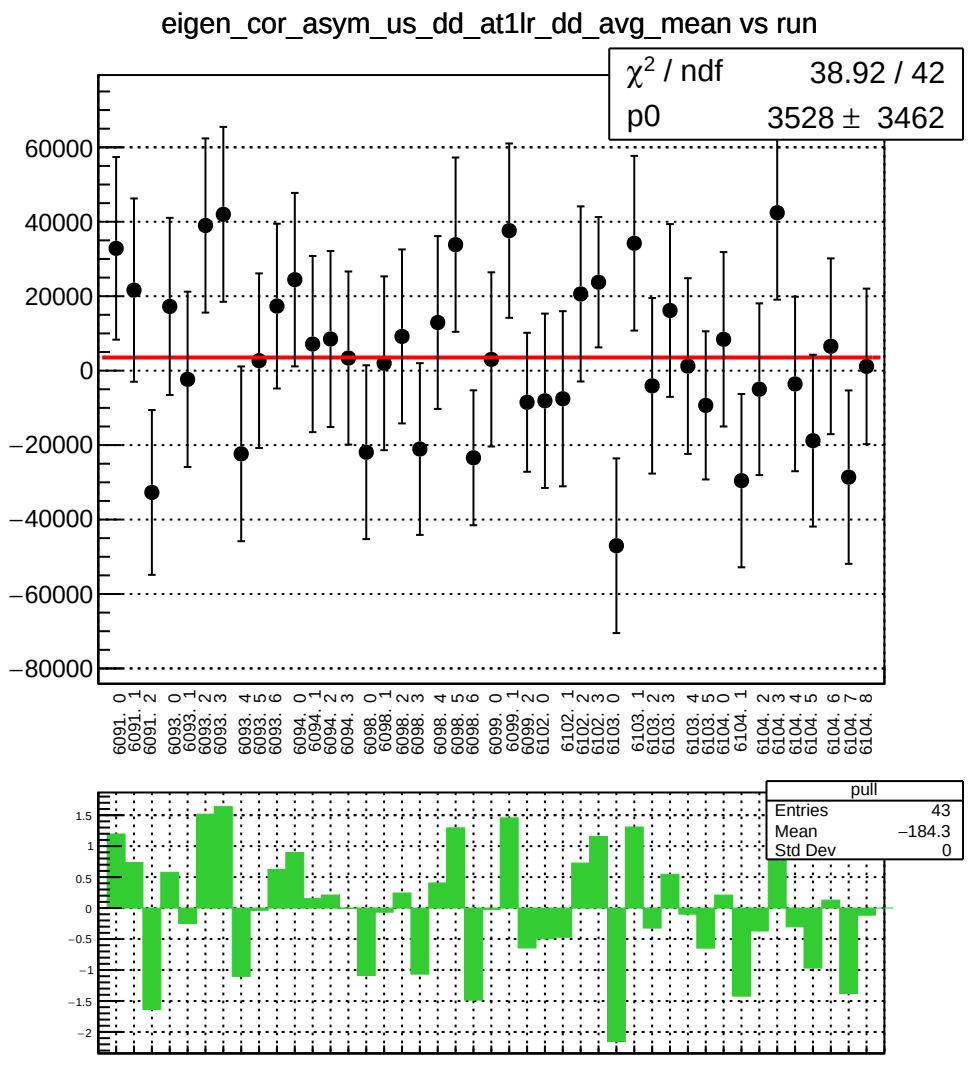
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8


eigen_cor_asym_us_dd_at1lr_dd_avg_mean vs run
χ² / ndf 38.92 / 42
p0 3528 ± 3462
60000
40000
20000
0
−20000
−40000
−60000
−80000
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
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6093. 6
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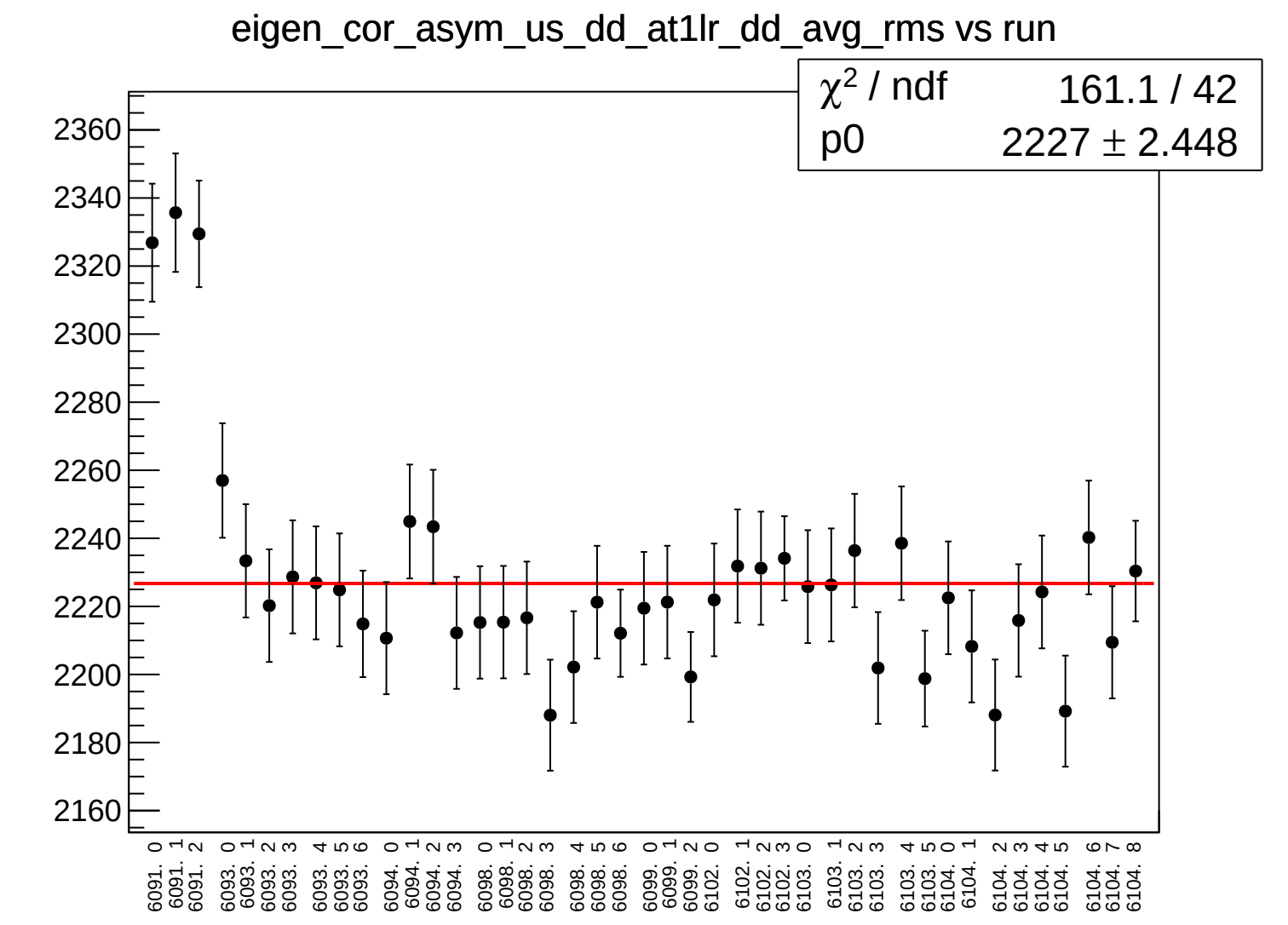
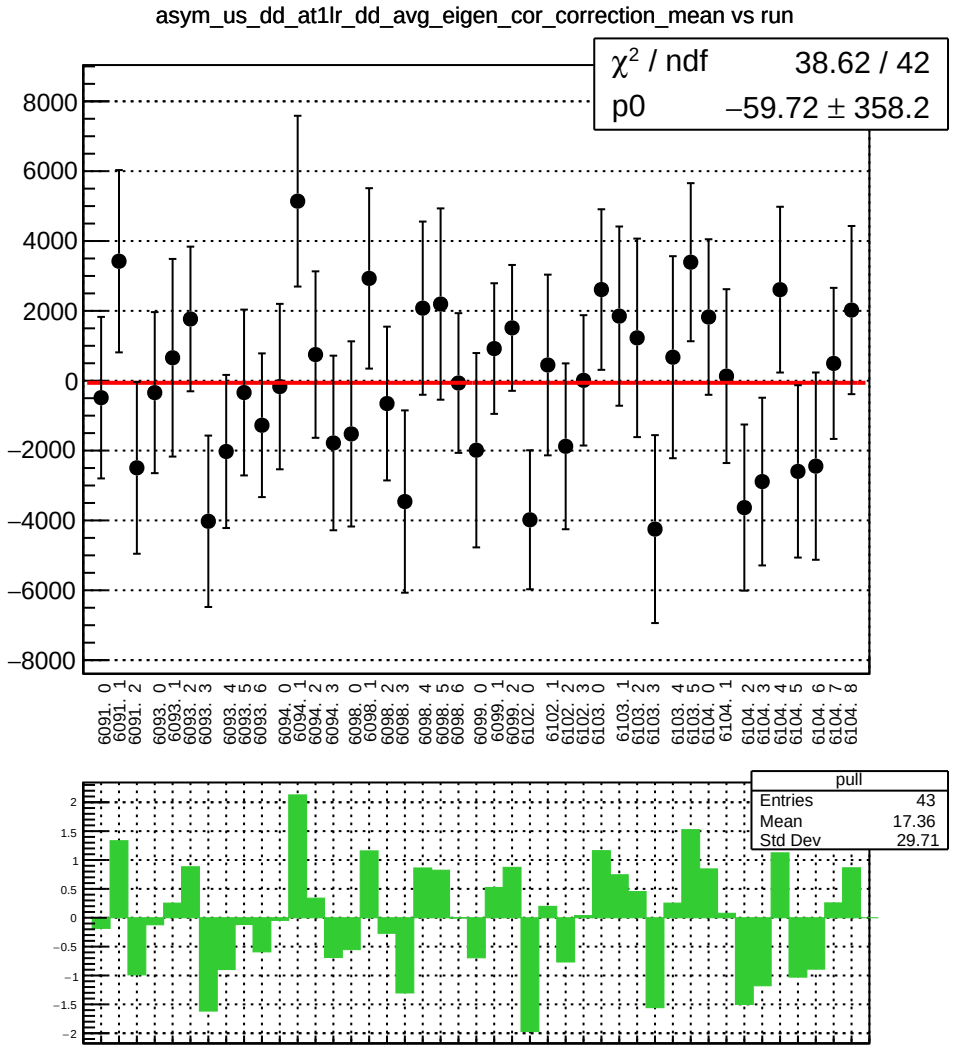
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean −184.3
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 43
Mean 0.01237
Std Dev 0.9513
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


eigen_cor_asym_us_dd_at1lr_dd_avg_rms vs run
χ² / ndf 161.1 / 42
p0 2227 ± 2.448
2360
2340
2320
2300
2280
2260
2240
2220
2200
2180
2160
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8


asym_us_dd_at1lr_dd_avg_eigen_cor_correction_mean vs run
χ² / ndf 38.62 / 42
p0 −59.72 ± 358.2
8000
6000
4000
2000
0
−2000
−4000
−6000
−8000
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
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6094. 3
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6098. 6
6099. 0
6099. 1
6099. 2
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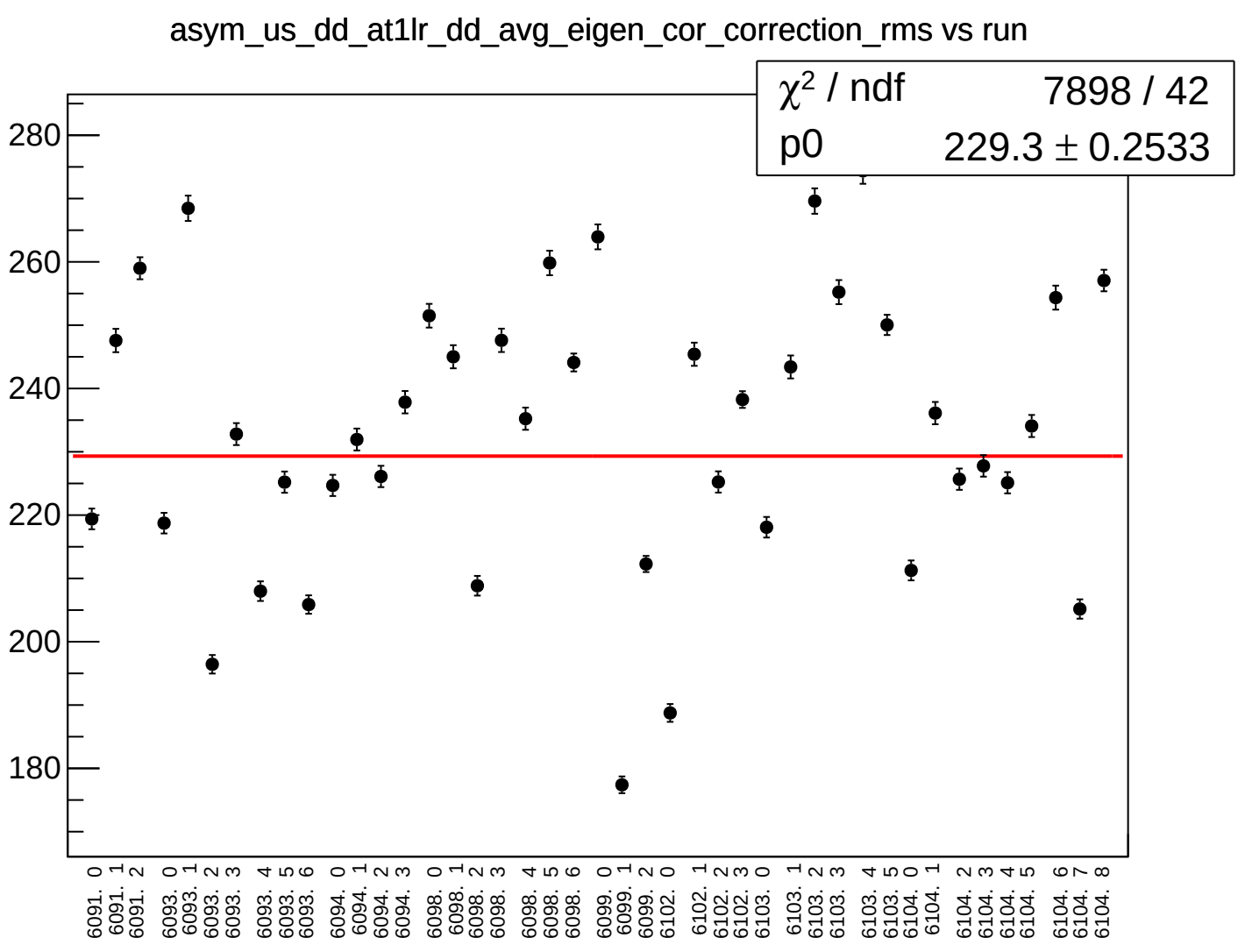
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 17.36
Std Dev 29.71
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 43
Mean −0.00567
Std Dev 0.9477
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


asym_us_dd_at1lr_dd_avg_eigen_cor_correction_rms vs run
χ² / ndf 7898 / 42
p0 229.3 ± 0.2533
280
260
240
220
200
180
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
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6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
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6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
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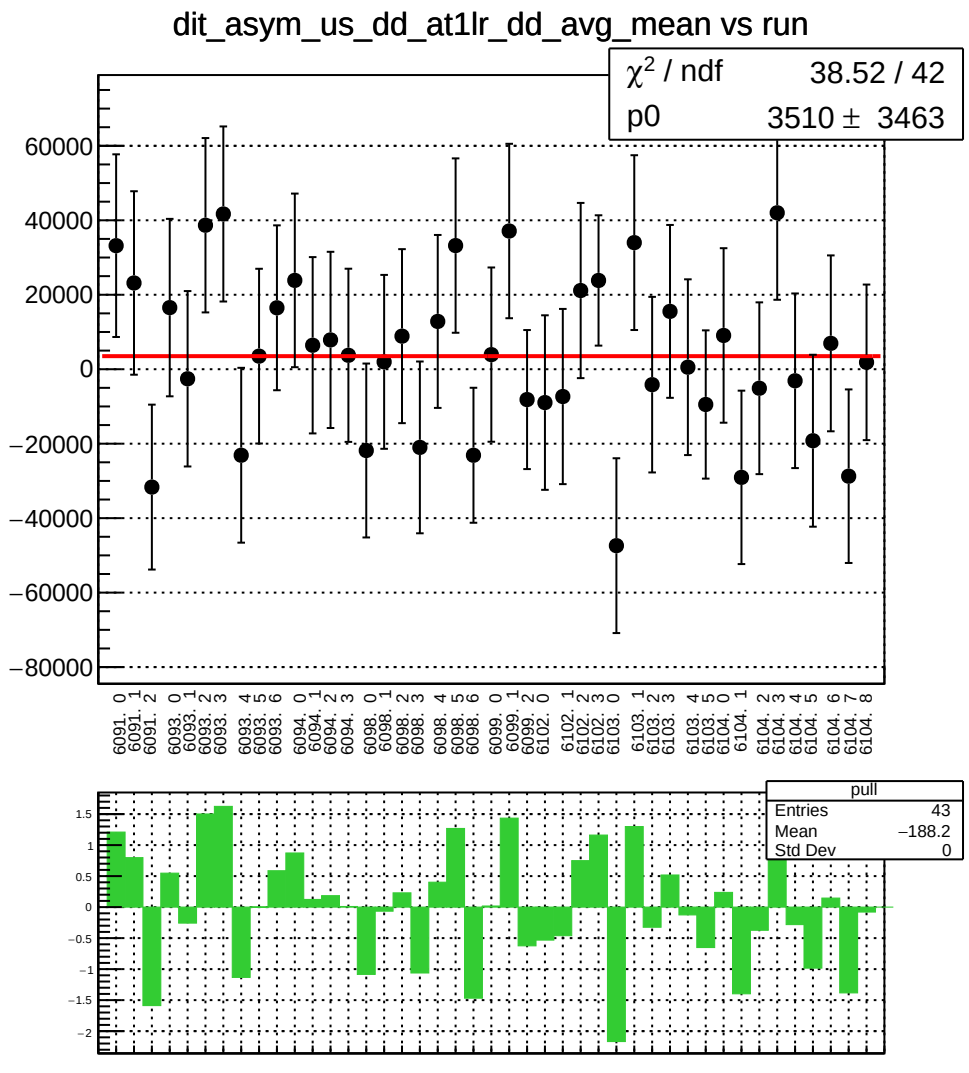
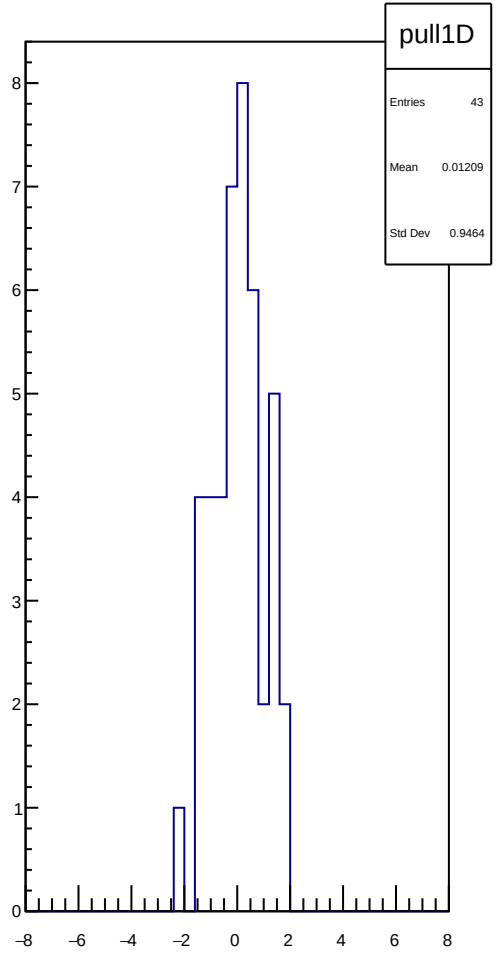
6104. 7
6104. 8


dit_asym_us_dd_at1lr_dd_avg_mean vs run
χ² / ndf 38.52 / 42
p0 3510 ± 3463
60000
40000
20000
0
−20000
−40000
−60000
−80000
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean −188.2
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2


pull1D
Entries 43
Mean 0.01209
Std Dev 0.9464
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7
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5
4
3
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1
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−8
−6
−4
−2
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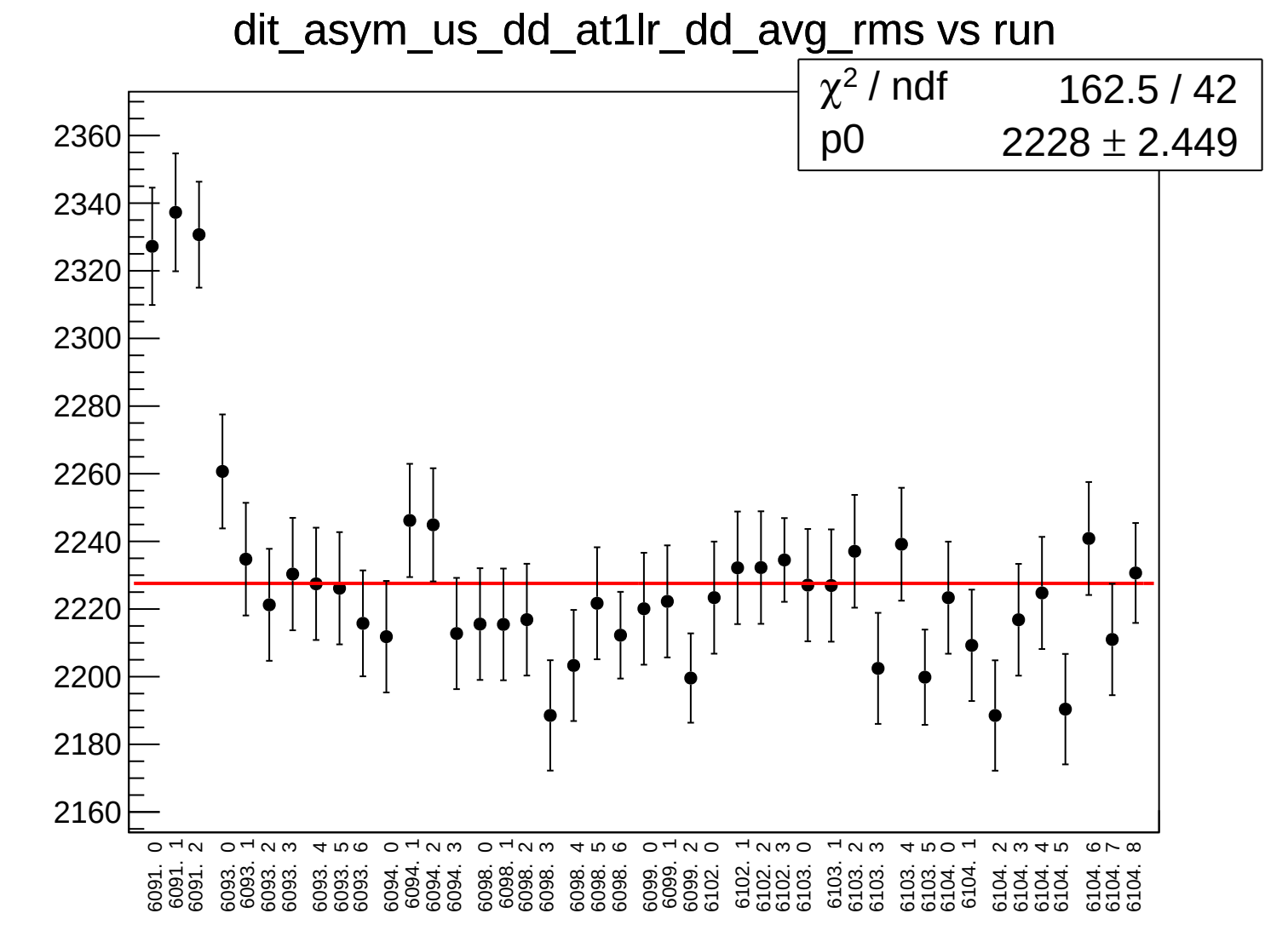
2
4
6
8


dit_asym_us_dd_at1lr_dd_avg_rms vs run
χ² / ndf 162.5 / 42
p0 2228 ± 2.449
2360
2340
2320
2300
2280
2260
2240
2220
2200
2180
2160
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
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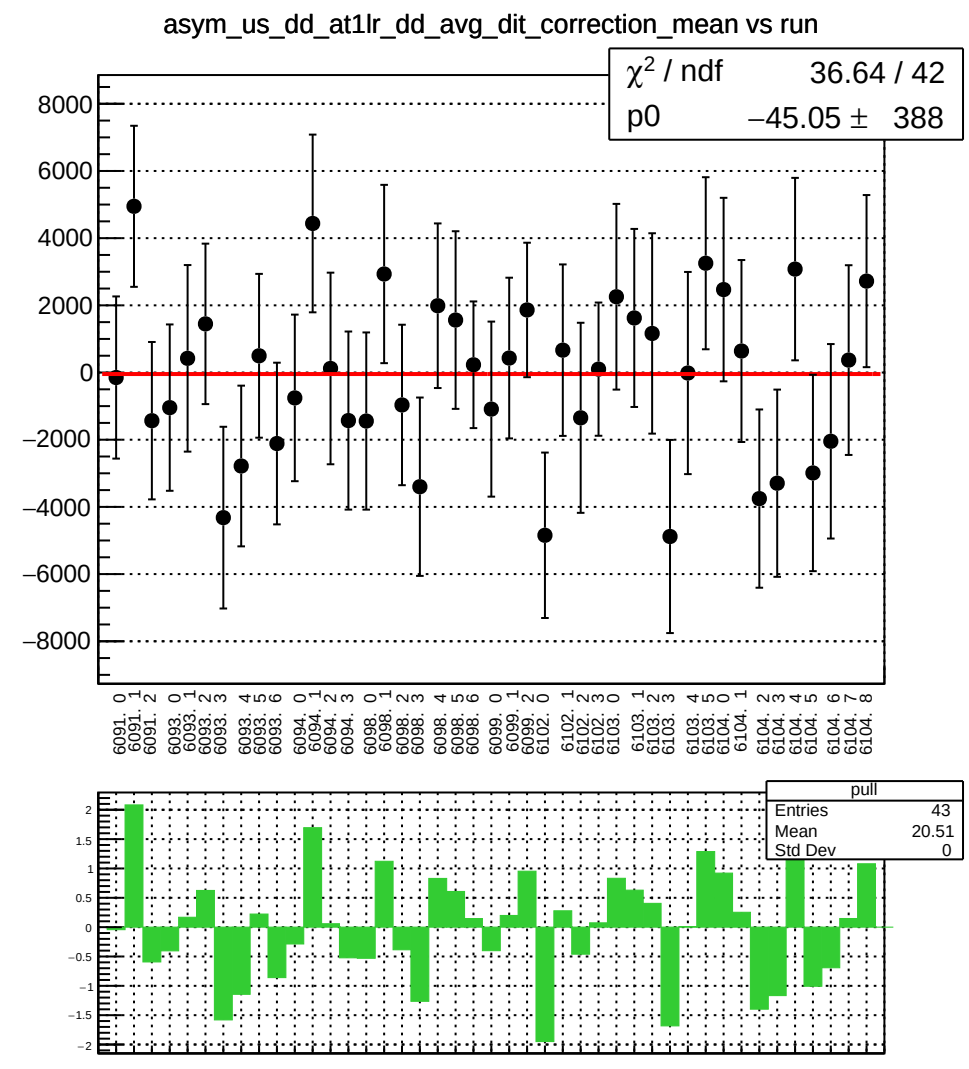
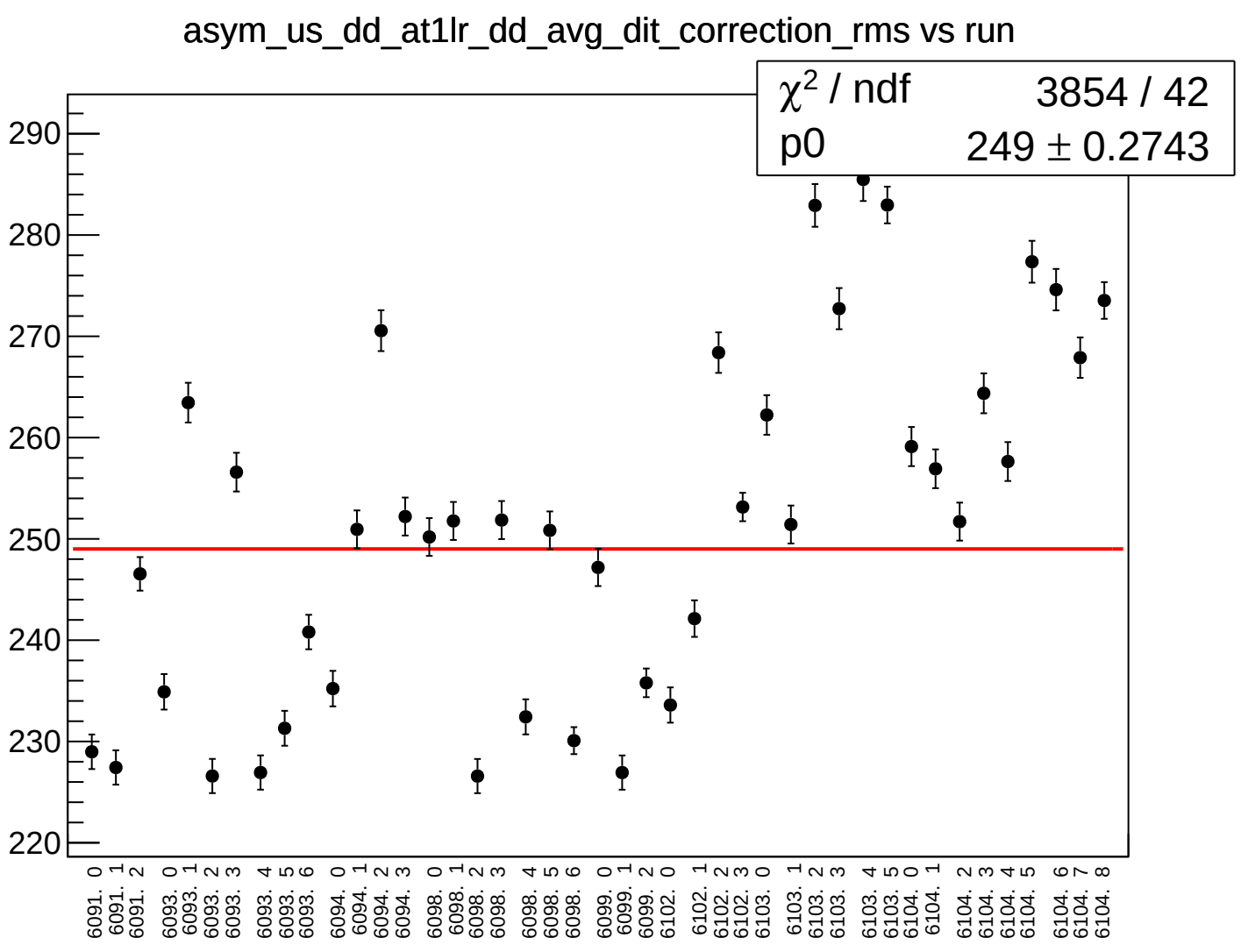
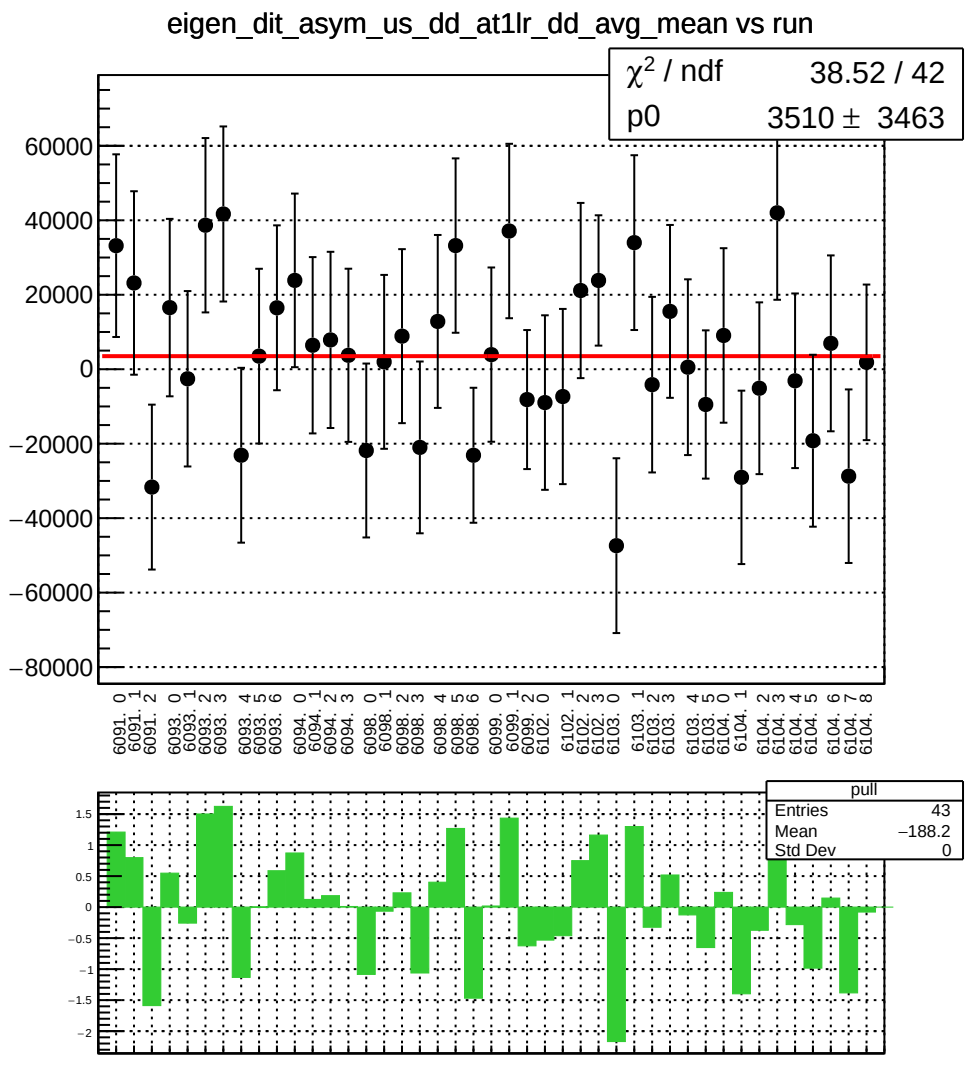
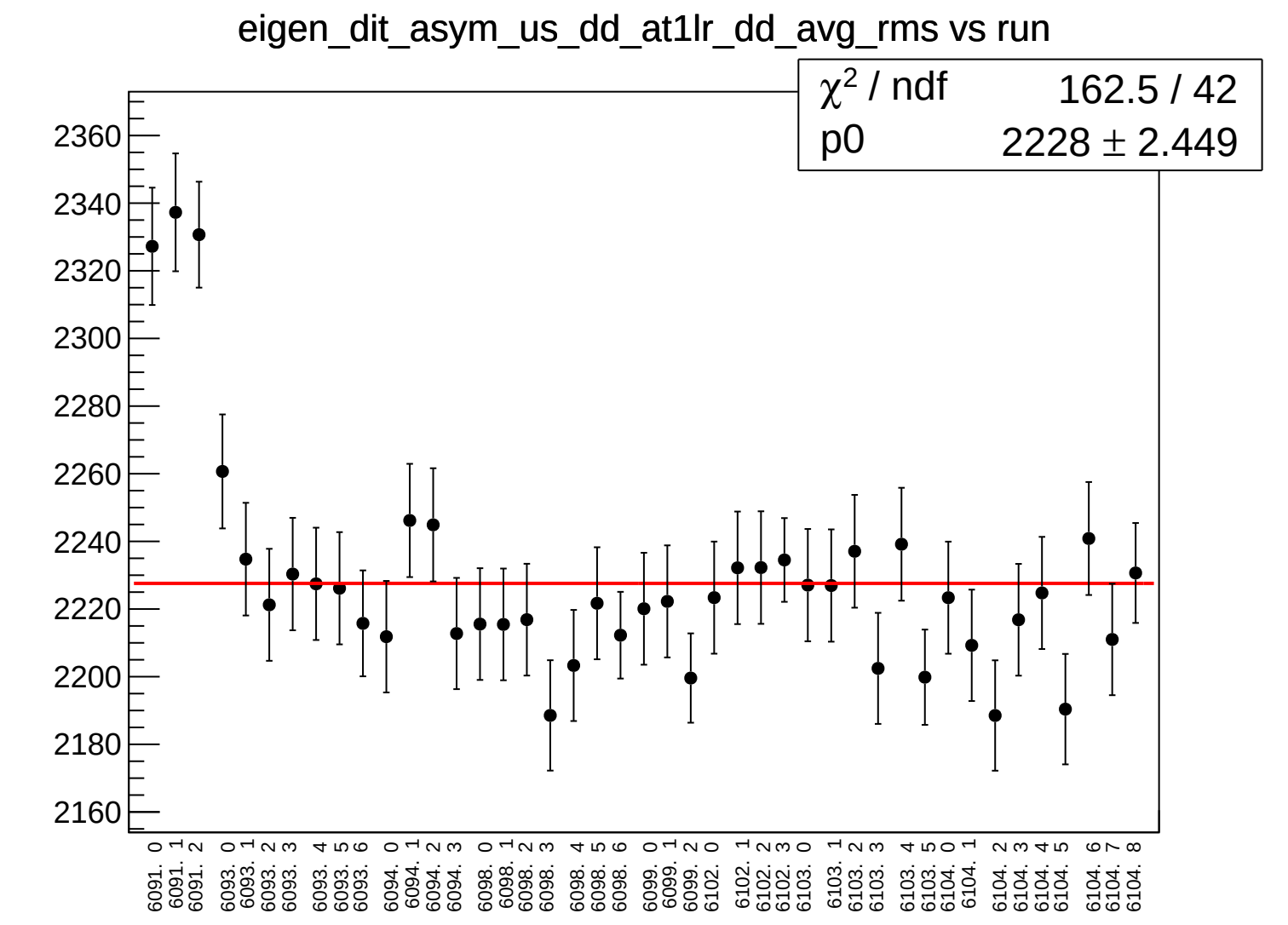
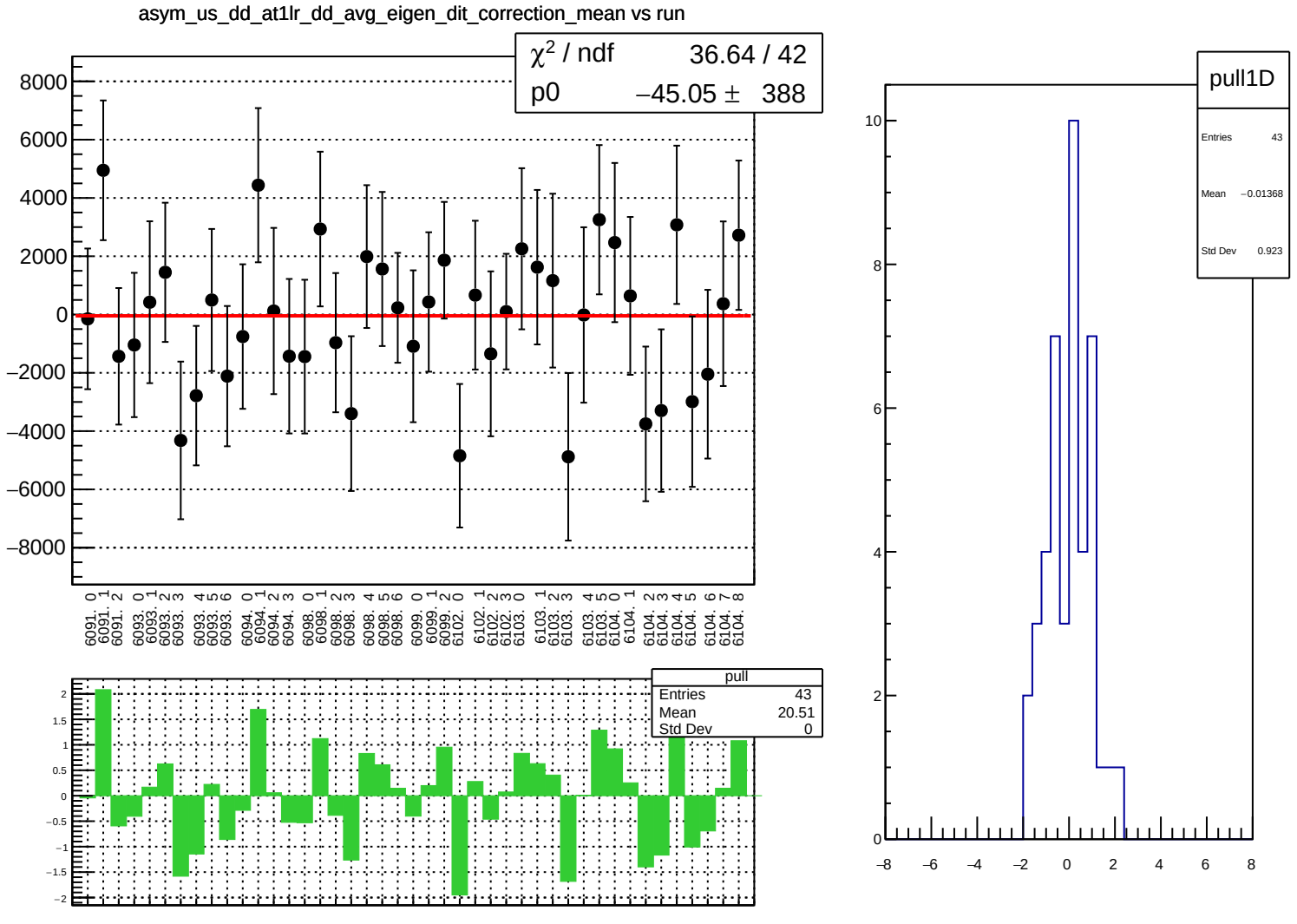
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

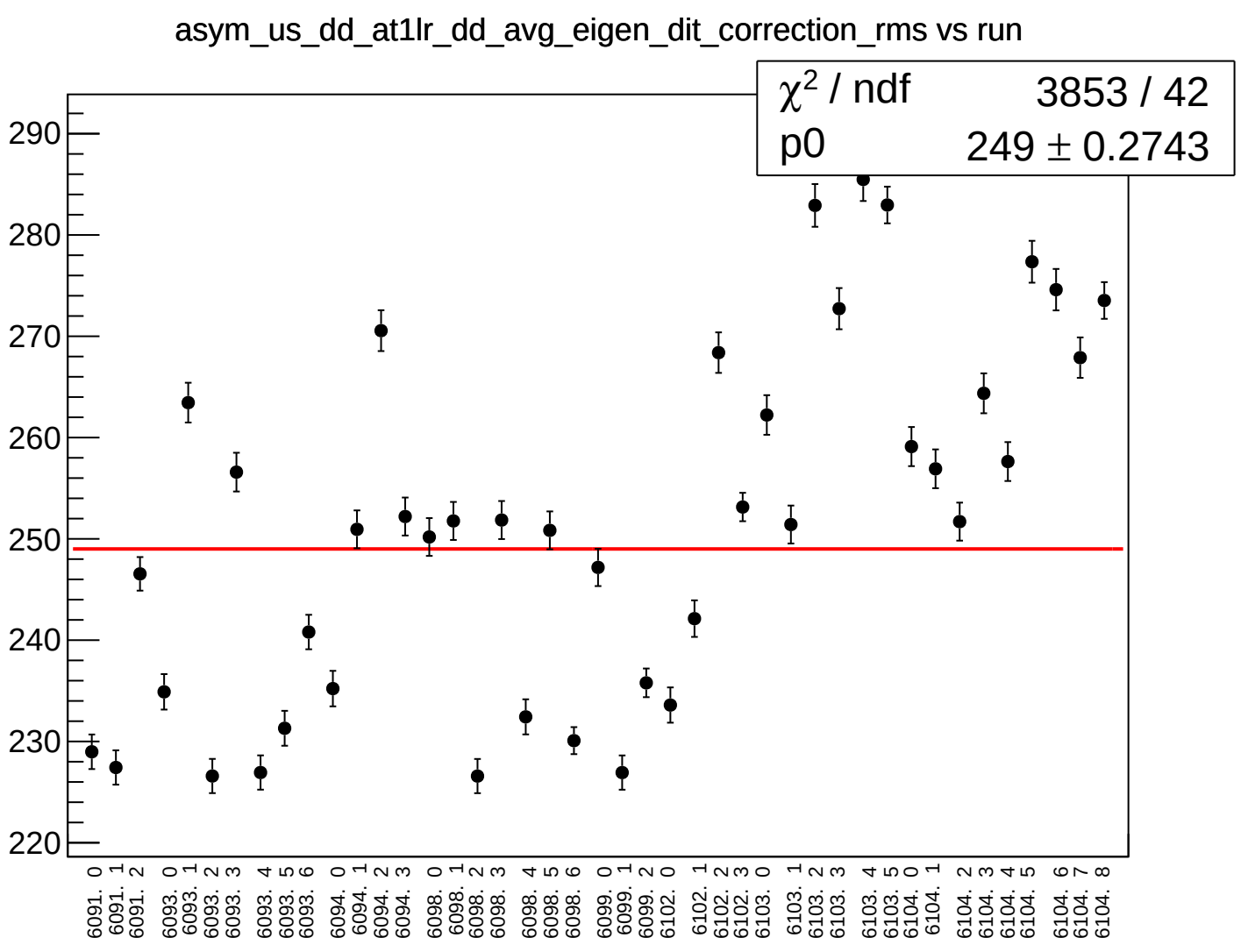

asym_us_dd_at1lr_dd_avg_dit_correction_mean vs run
χ² / ndf 36.64 / 42
p0 −45.05 ± 388
8000
6000
4000
2000
0
−2000
−4000
−6000
−8000
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 20.51
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 43
Mean −0.01368
Std Dev 0.923
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

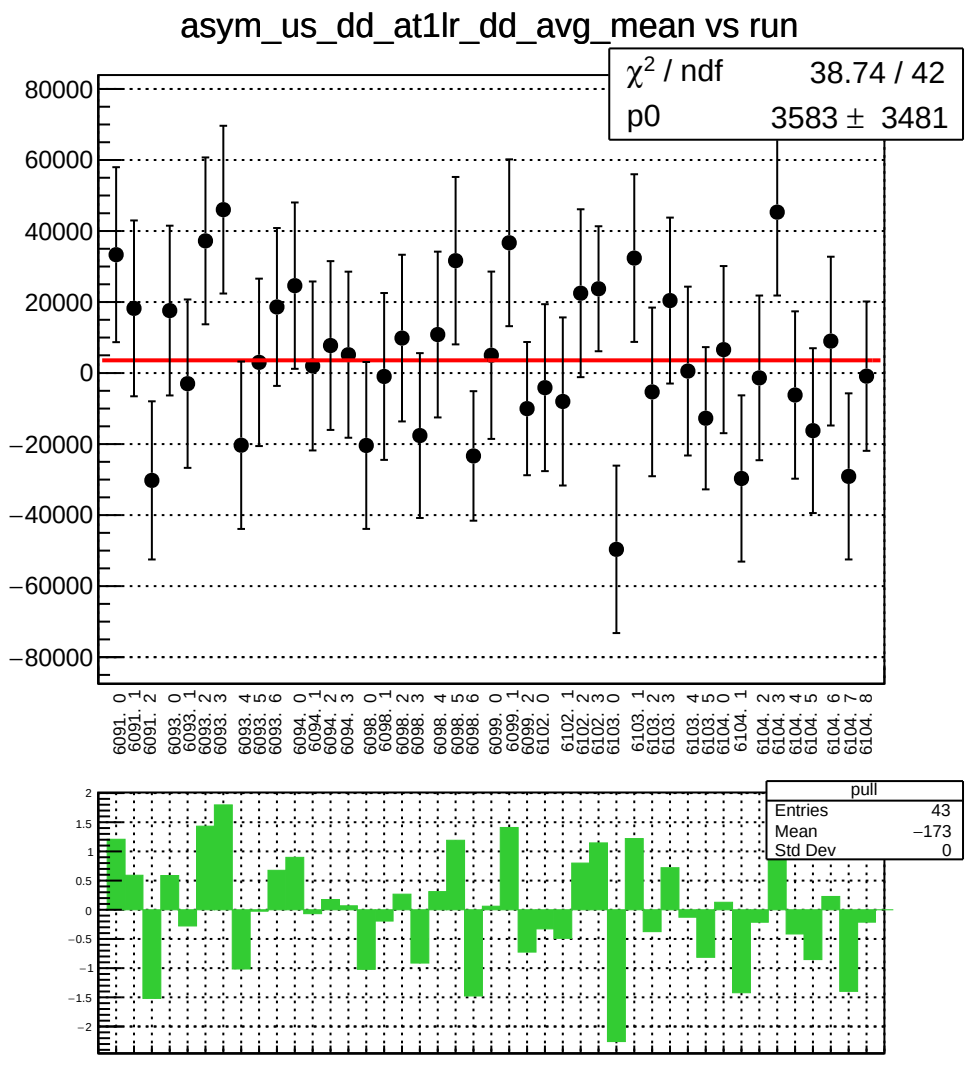

asym_us_dd_at1lr_dd_avg_dit_correction_rms vs run
χ² / ndf 3854 / 42
p0 249 ± 0.2743
290
280
270
260
250
240
230
220
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

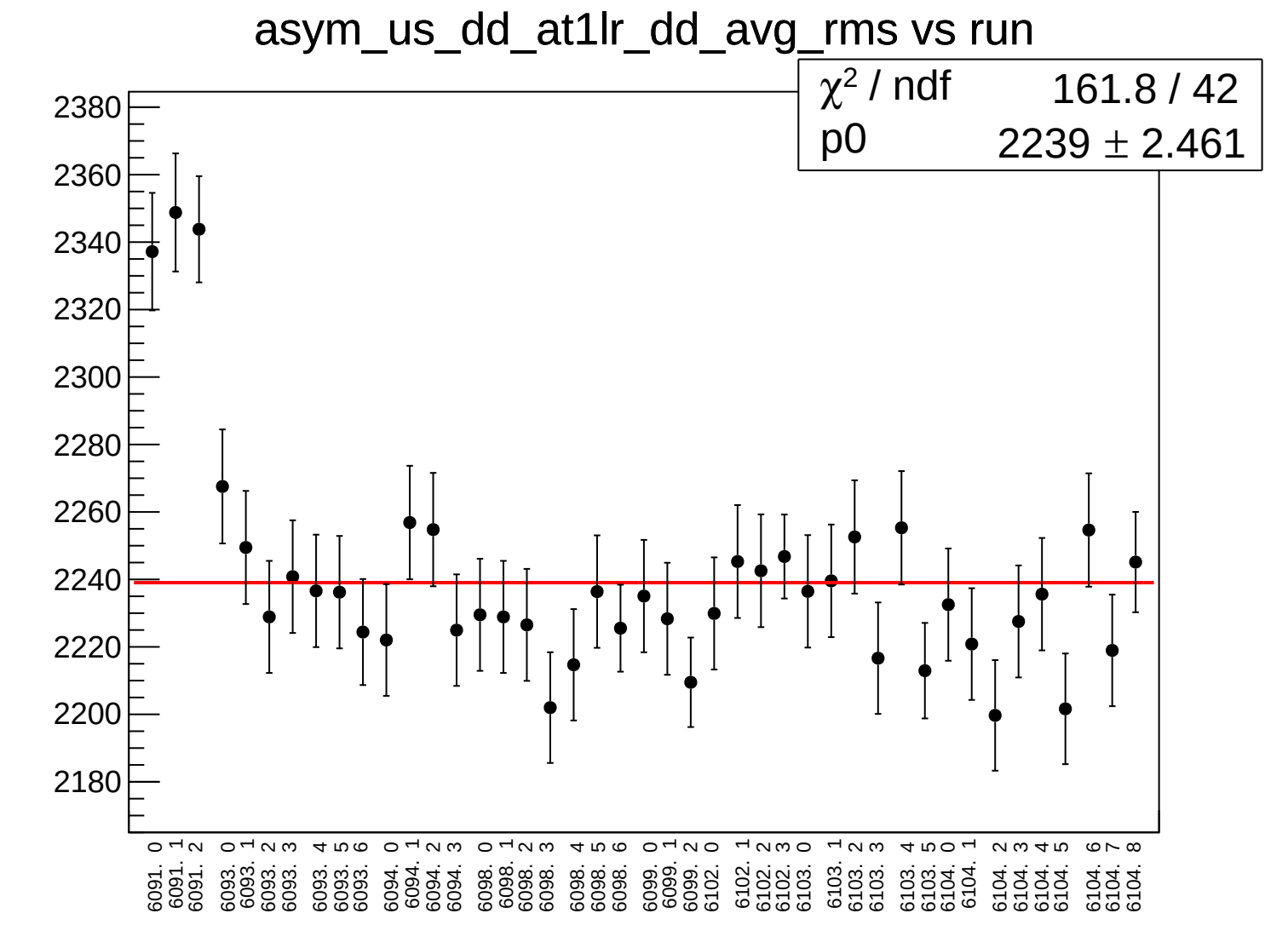

eigen_dit_asym_us_dd_at1lr_dd_avg_mean vs run
χ² / ndf 38.52 / 42
p0 3510 ± 3463
60000
40000
20000
0
−20000
−40000
−60000
−80000
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean −188.2
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 43
Mean 0.01209
Std Dev 0.9464
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

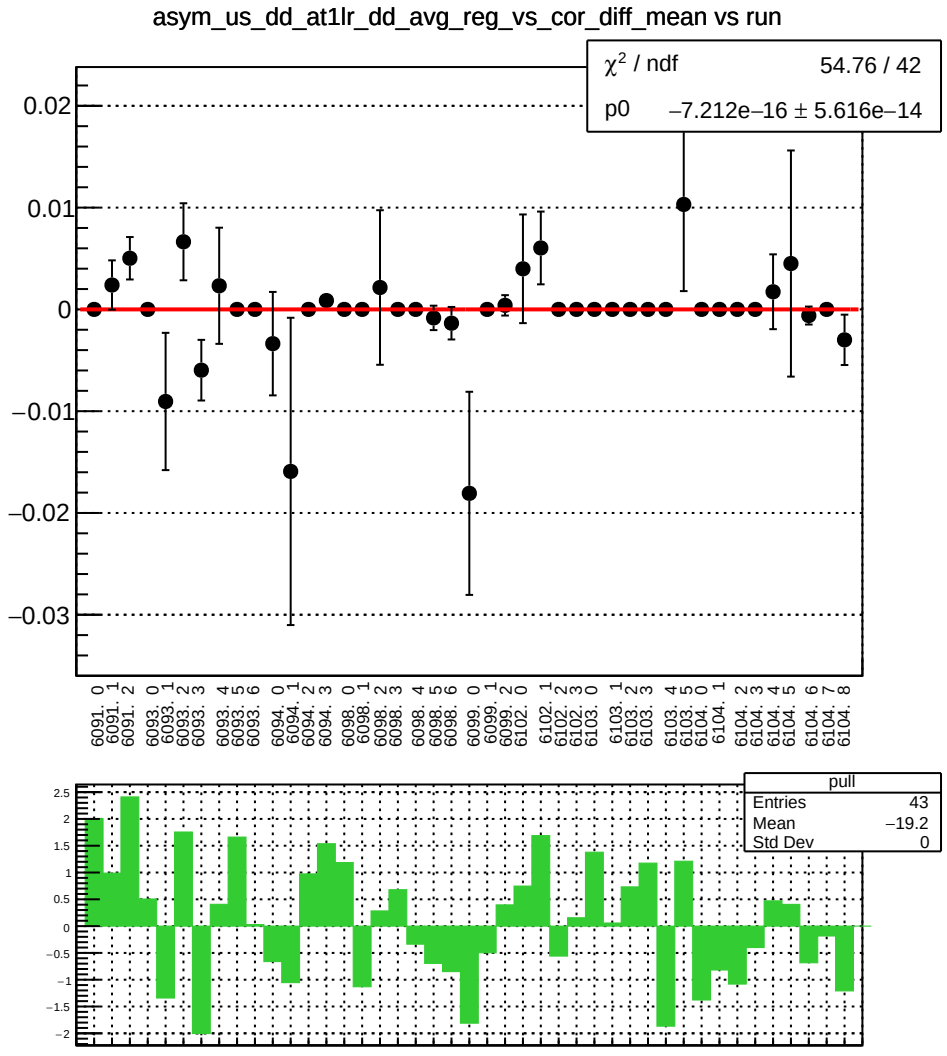

eigen_dit_asym_us_dd_at1lr_dd_avg_rms vs run
χ² / ndf 162.5 / 42
p0 2228 ± 2.449
2360
2340
2320
2300
2280
2260
2240
2220
2200
2180
2160
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

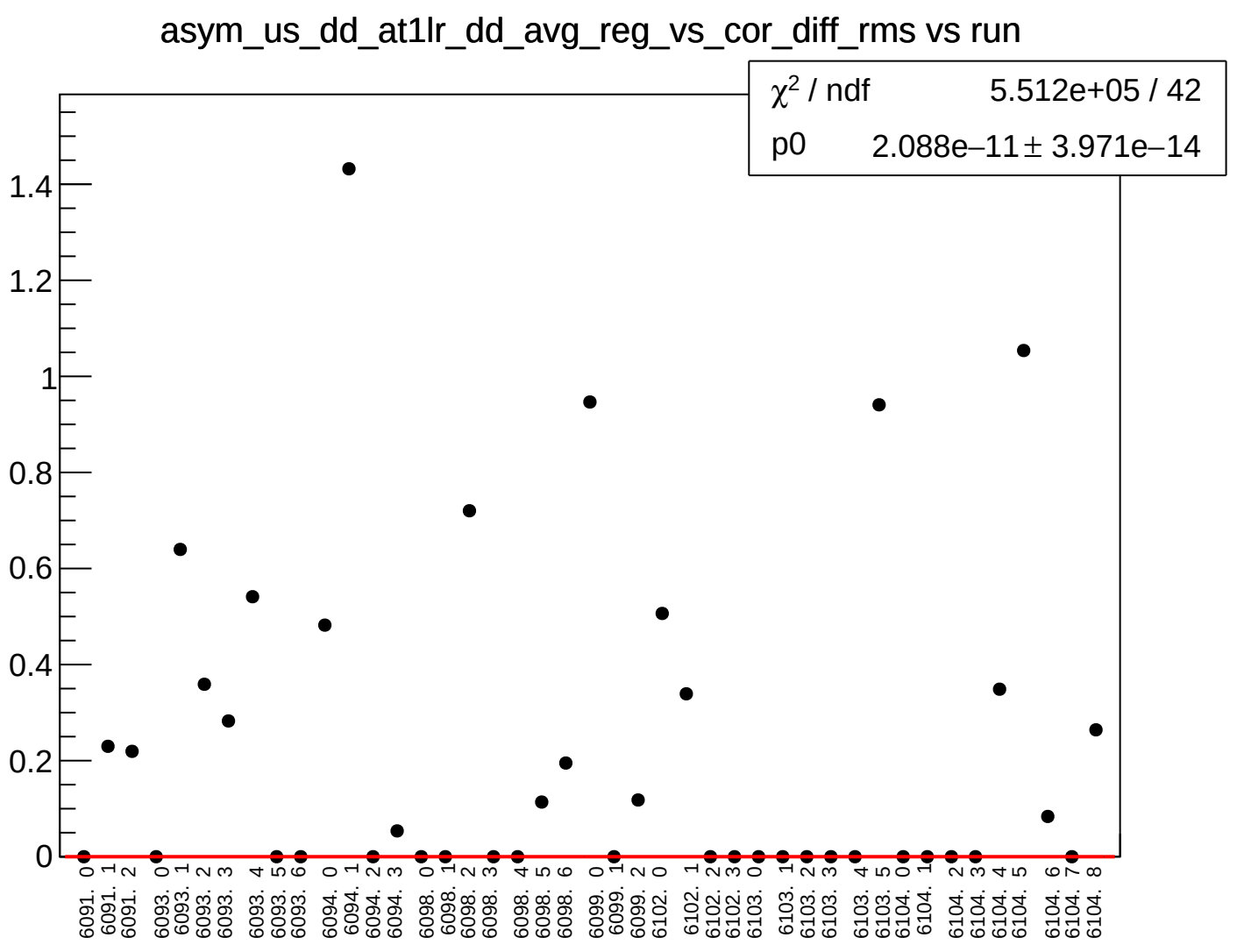

asym_us_dd_at1lr_dd_avg_eigen_dit_correction_mean vs run
χ² / ndf 36.64 / 42
p0 −45.05 ± 388
8000
6000
4000
2000
0
−2000
−4000
−6000
−8000
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 20.51
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 43
Mean −0.01368
Std Dev 0.923
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

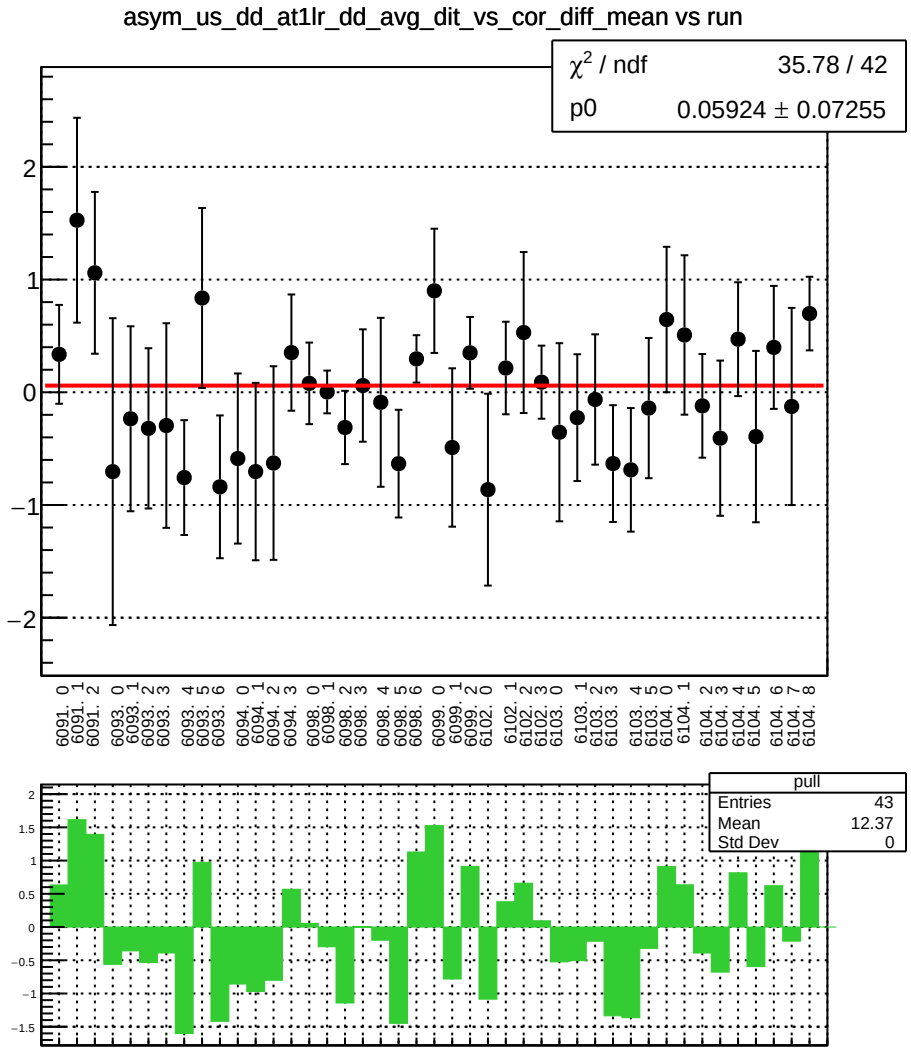

asym_us_dd_at1lr_dd_avg_eigen_dit_correction_rms vs run
χ² / ndf 3853 / 42
p0 249 ± 0.2743
290
280
270
260
250
240
230
220
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

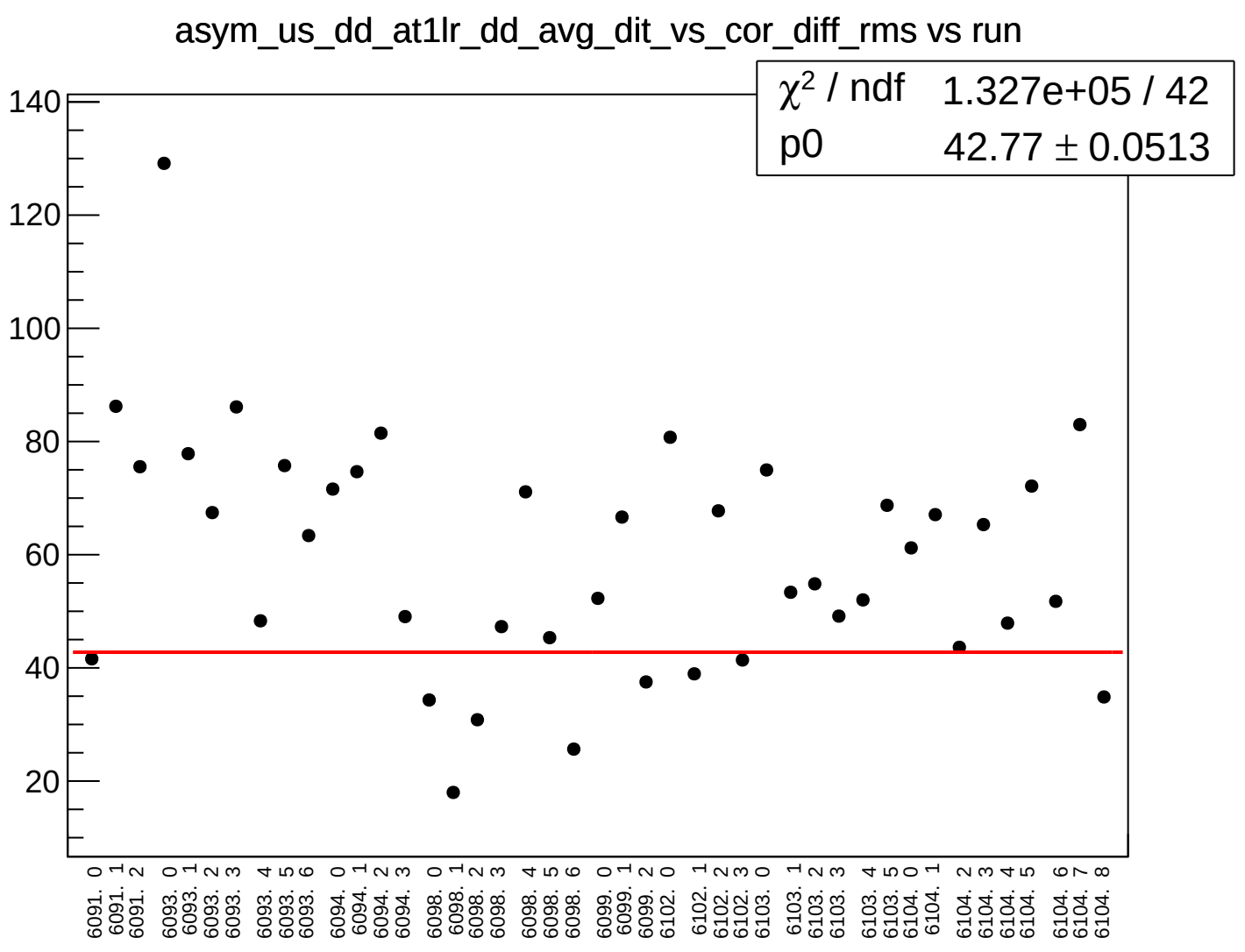

asym_us_dd_at1lr_dd_avg_mean vs run
χ² / ndf 38.74 / 42
p0 3583 ± 3481
80000
60000
40000
20000
0
−20000
−40000
−60000
−80000
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean −173
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 43
Mean 0.01305
Std Dev 0.9491
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

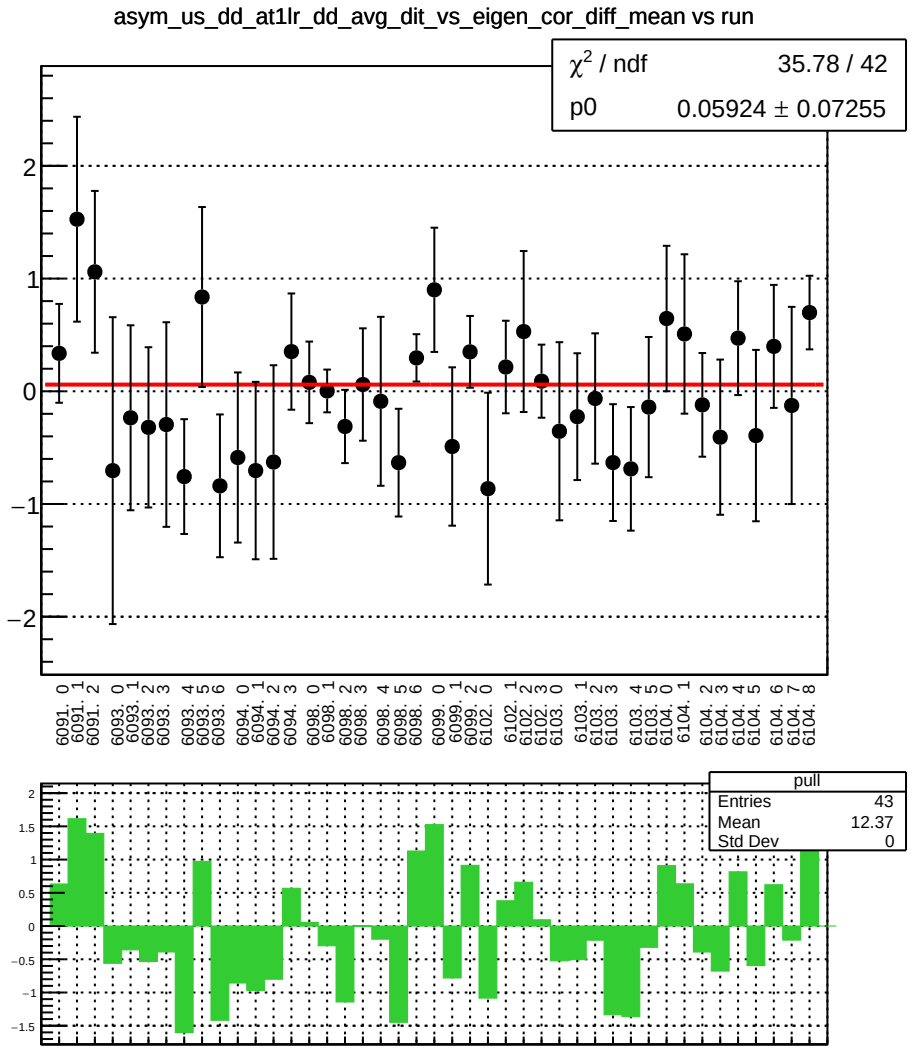

asym_us_dd_at1lr_dd_avg_rms vs run
χ² / ndf 161.8 / 42
p0 2239 ± 2.461
2380
2360
2340
2320
2300
2280
2260
2240
2220
2200
2180
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

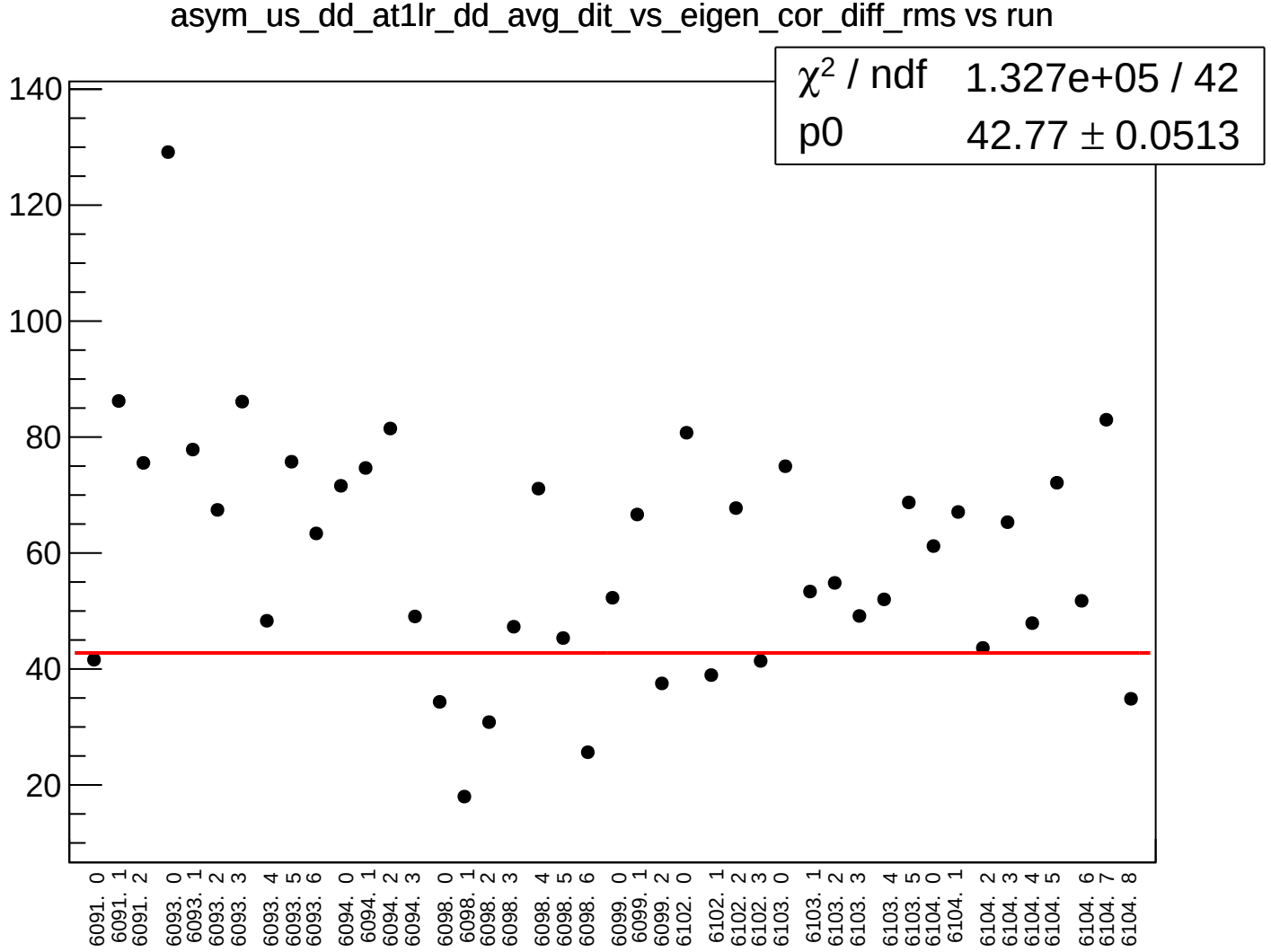

asym_us_dd_at1lr_dd_avg_reg_vs_cor_diff_mean vs run
χ² / ndf 54.76 / 42
p0 −7.212e−16 ± 5.616e−14
0.02
0.01
0
−0.01
−0.02
−0.03
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean −19.2
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 43
Mean 0.09953
Std Dev 1.124
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

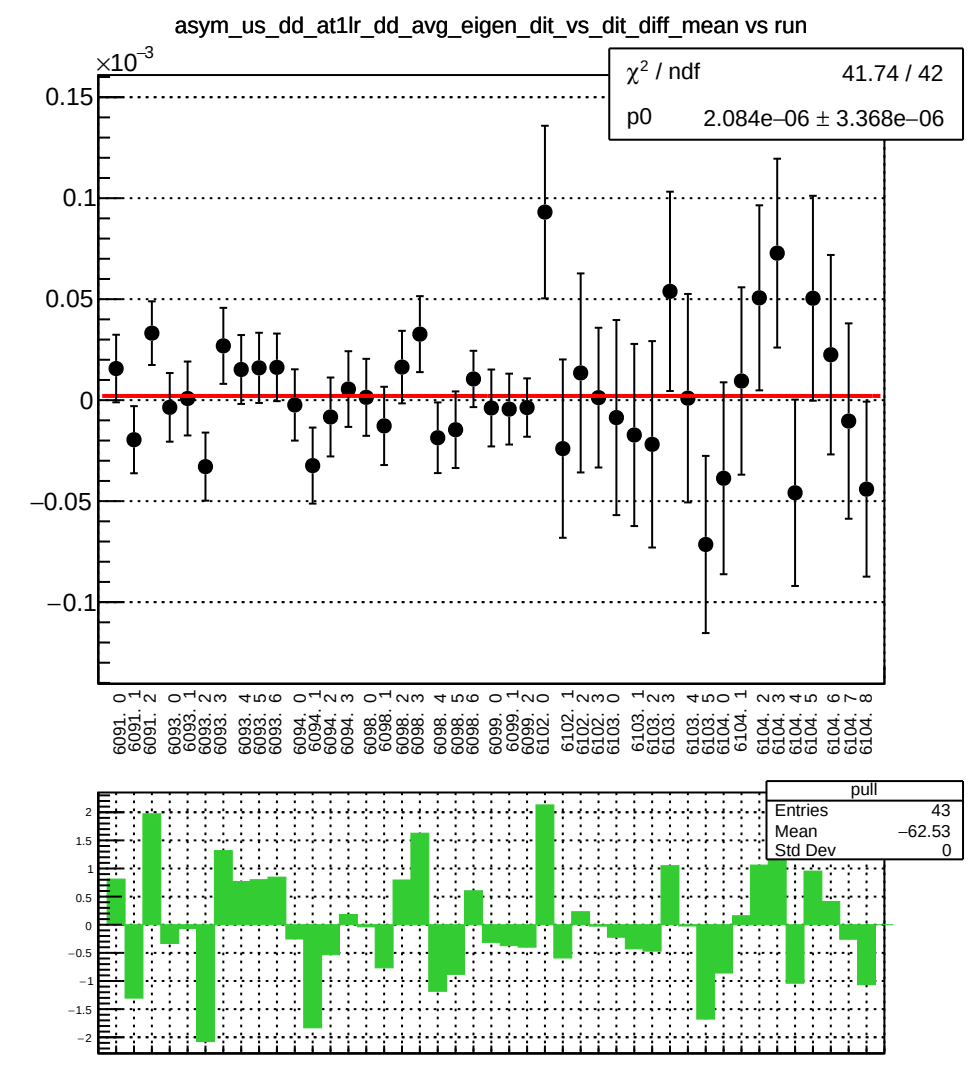

asym_us_dd_at1lr_dd_avg_reg_vs_cor_diff_rms vs run
χ² / ndf 5.512e+05 / 42
p0 2.088e−11 ± 3.971e−14
0
0.2
0.4
0.6
0.8
1
1.2
1.4
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

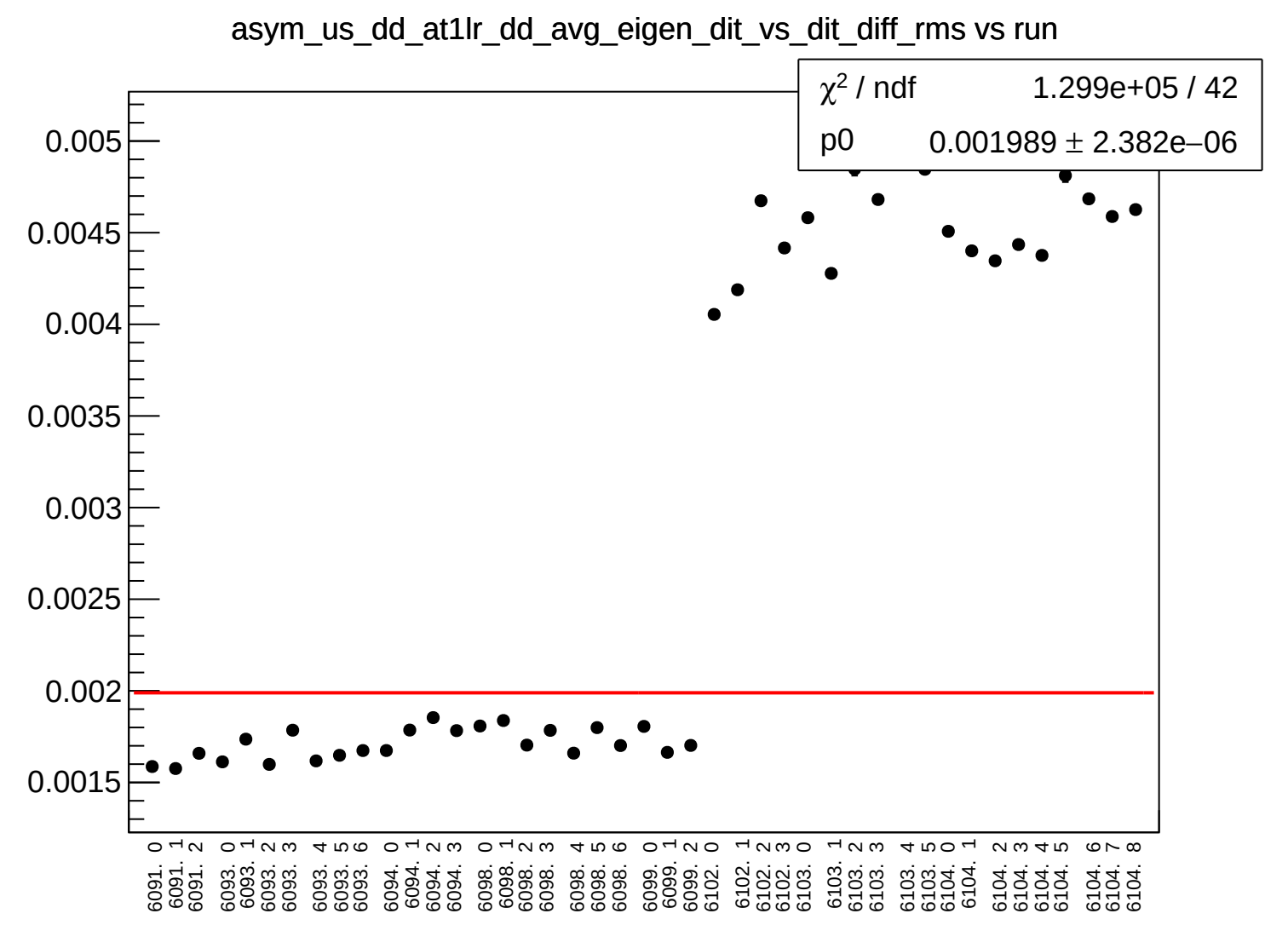

asym_us_dd_at1lr_dd_avg_dit_vs_cor_diff_mean vs run
χ² / ndf 35.78 / 42
p0 0.05924 ± 0.07255
pull
Entries 43
Mean 12.37
Std Dev 0
pull1D
Entries 43
Mean −0.086
Std Dev 0.9082

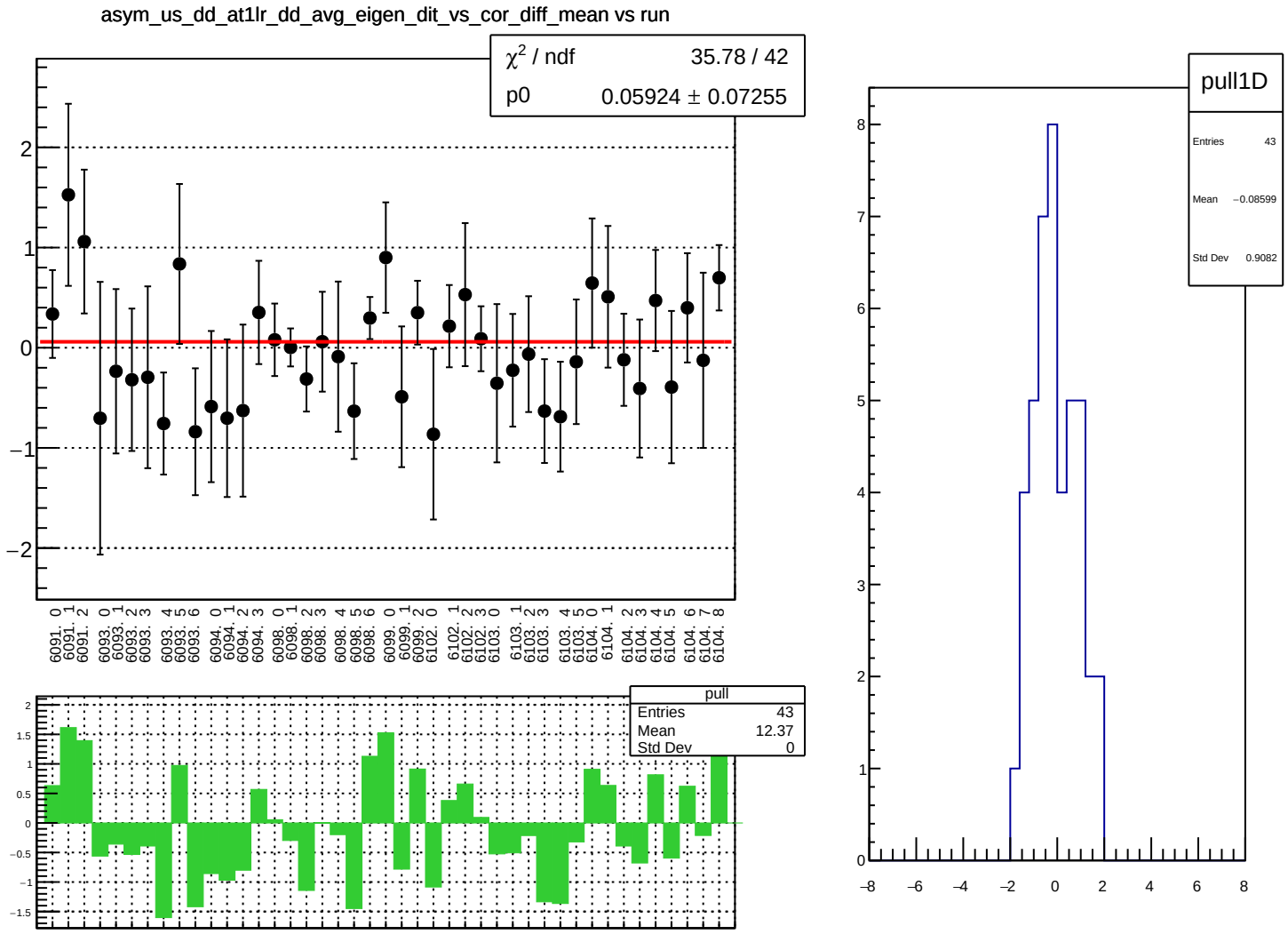

asym_us_dd_at1lr_dd_avg_dit_vs_cor_diff_rms vs run
χ² / ndf 1.327e+05 / 42
p0 42.77 ± 0.0513
140
120
100
80
60
40
20
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

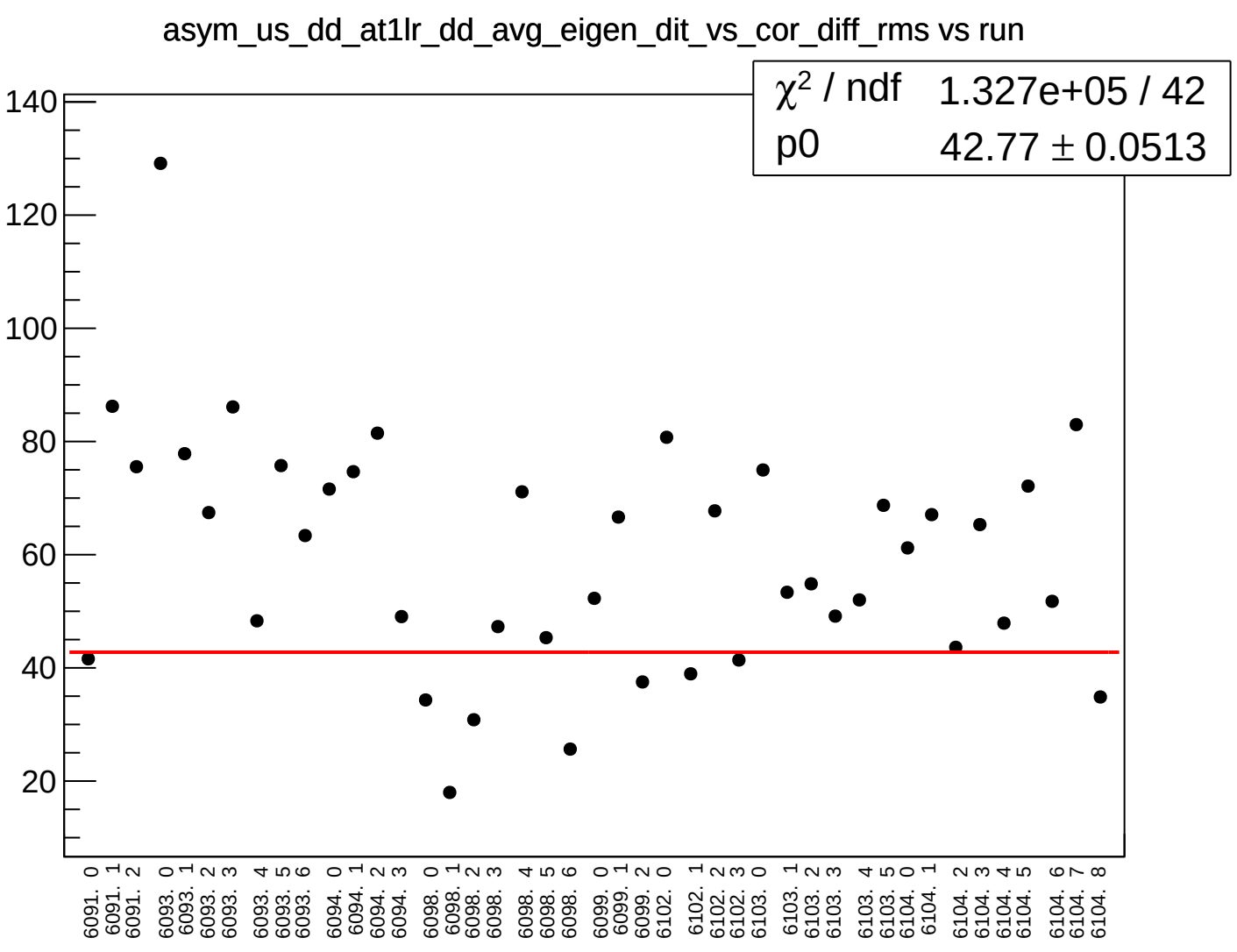

asym_us_dd_at1lr_dd_avg_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 35.78 / 42
p0 0.05924 ± 0.07255
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 12.37
Std Dev 0
pull1D
Entries 43
Mean −0.086
Std Dev 0.9082

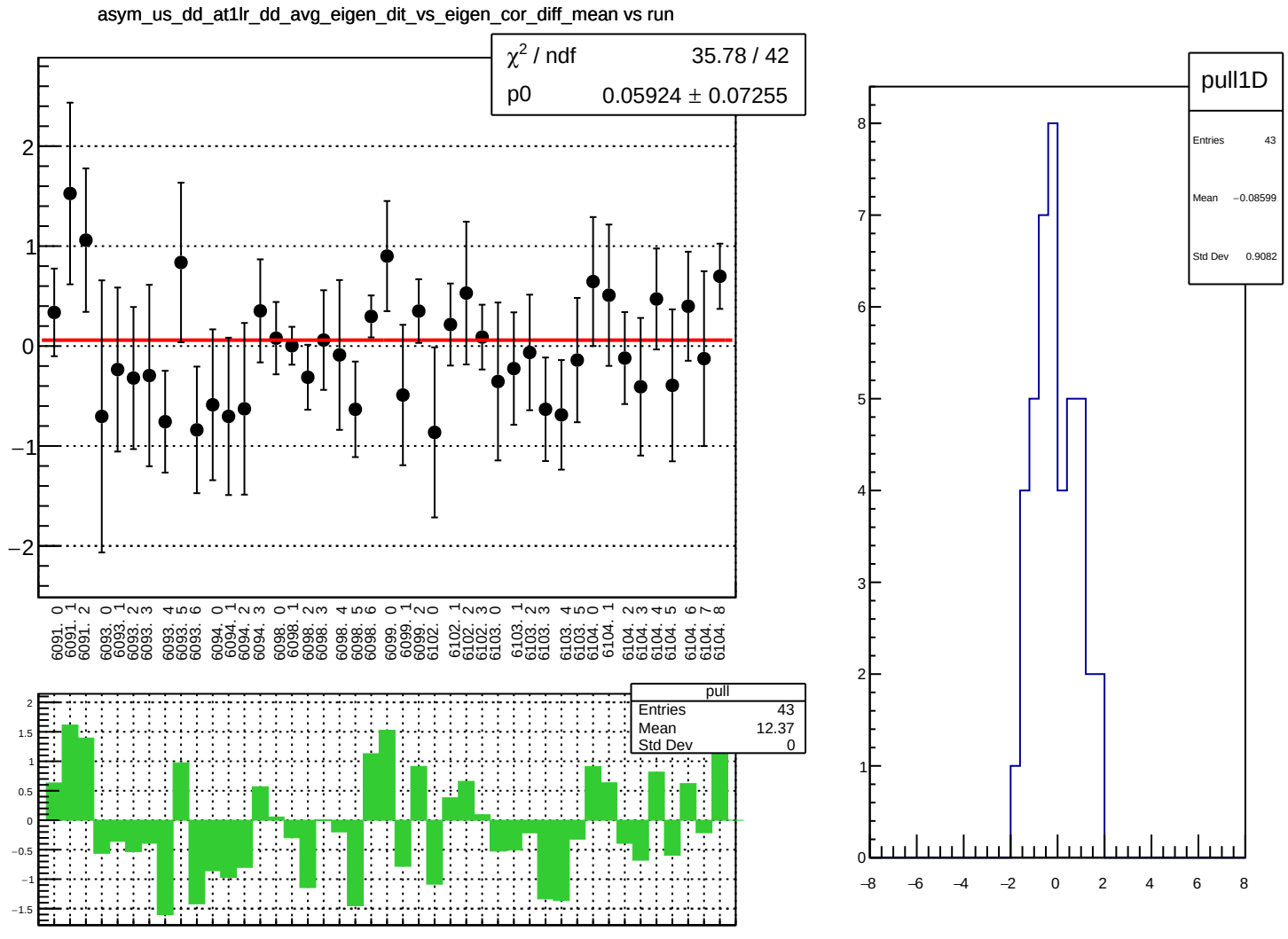

asym_us_dd_at1lr_dd_avg_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.327e+05 / 42
p0 42.77 ± 0.0513
140
120
100
80
60
40
20
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

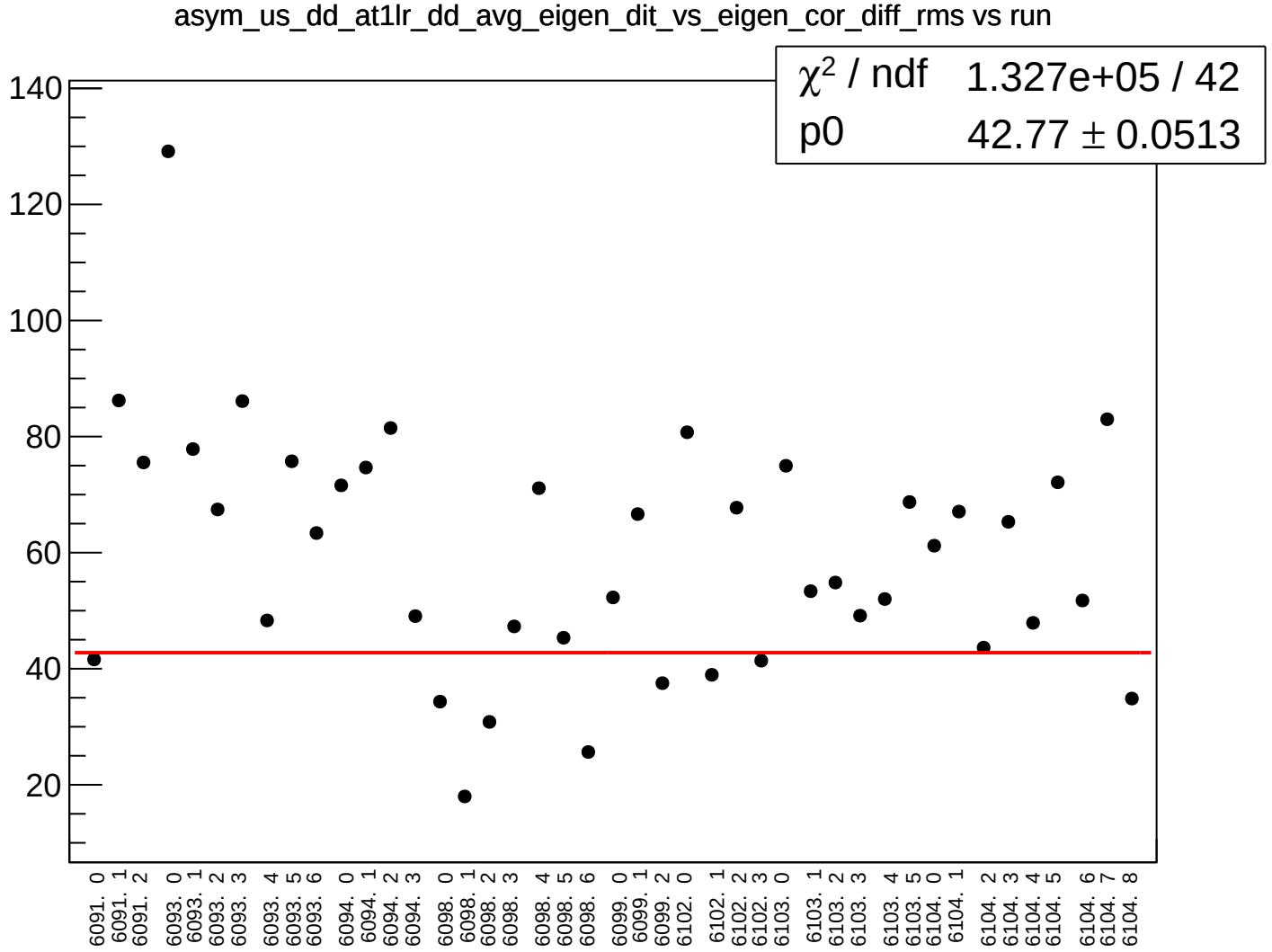

asym_us_dd_at1lr_dd_avg_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 41.74 / 42
p0 2.084e−06 ± 3.368e−06
0.15
0.1
0.05
0
−0.05
−0.1
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean −62.53
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 43
Mean 0.005479
Std Dev 0.9852
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

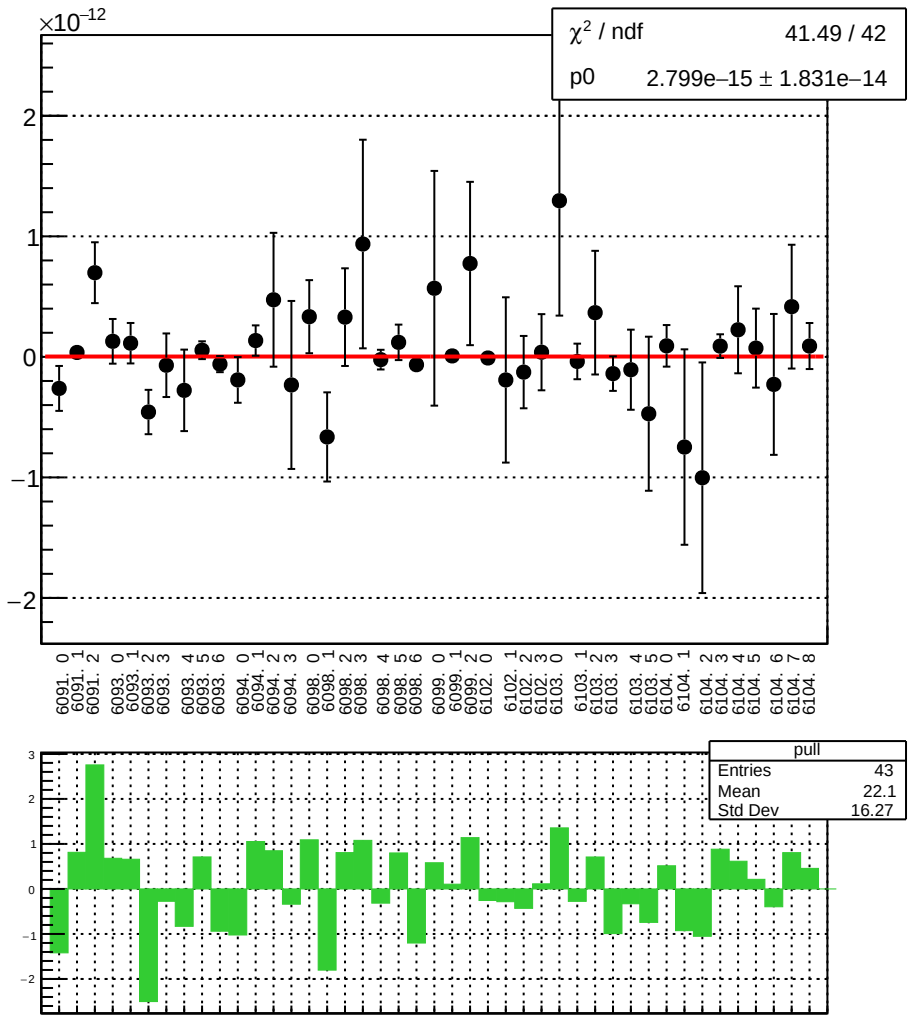

asym_us_dd_at1lr_dd_avg_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 1.299e+05 / 42
p0 0.001989 ± 2.382e−06
0.005
0.0045
0.004
0.0035
0.003
0.0025
0.002
0.0015
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

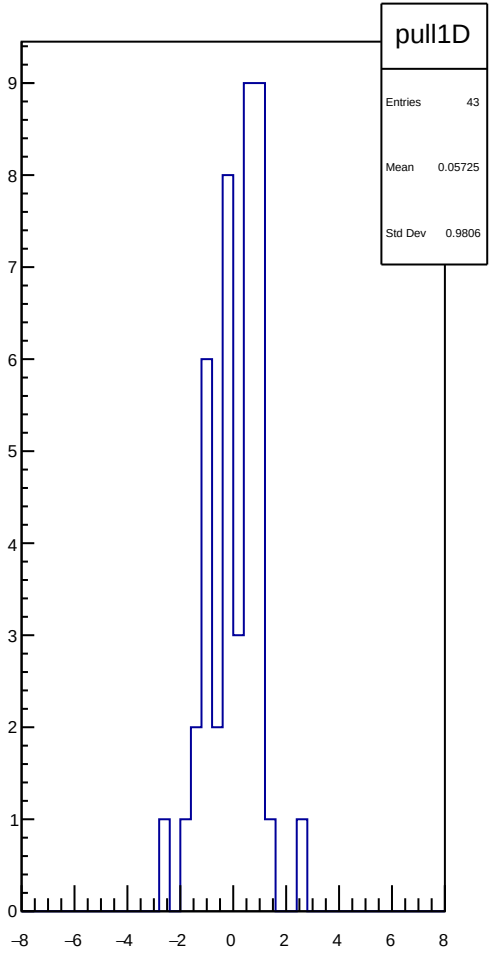

asym_us_dd_at1lr_dd_avg_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 35.78 / 42
p0 0.05924 ± 0.07255
pull
Entries 43
Mean 12.37
Std Dev 0
pull1D
Entries 43
Mean −0.08599
Std Dev 0.9082

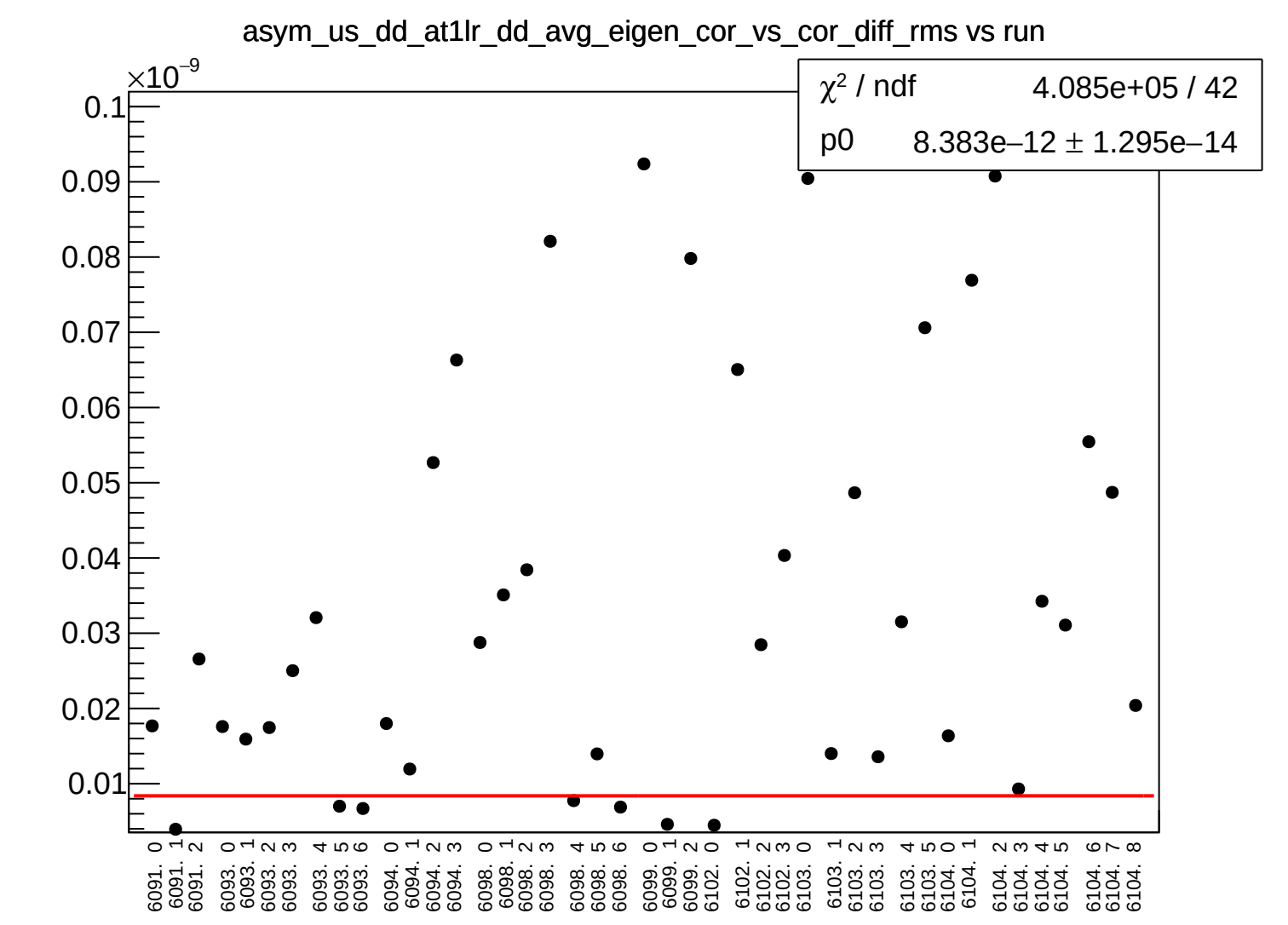

asym_us_dd_at1lr_dd_avg_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 1.327e+05 / 42
p0 42.77 ± 0.0513
140
120
100
80
60
40
20
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

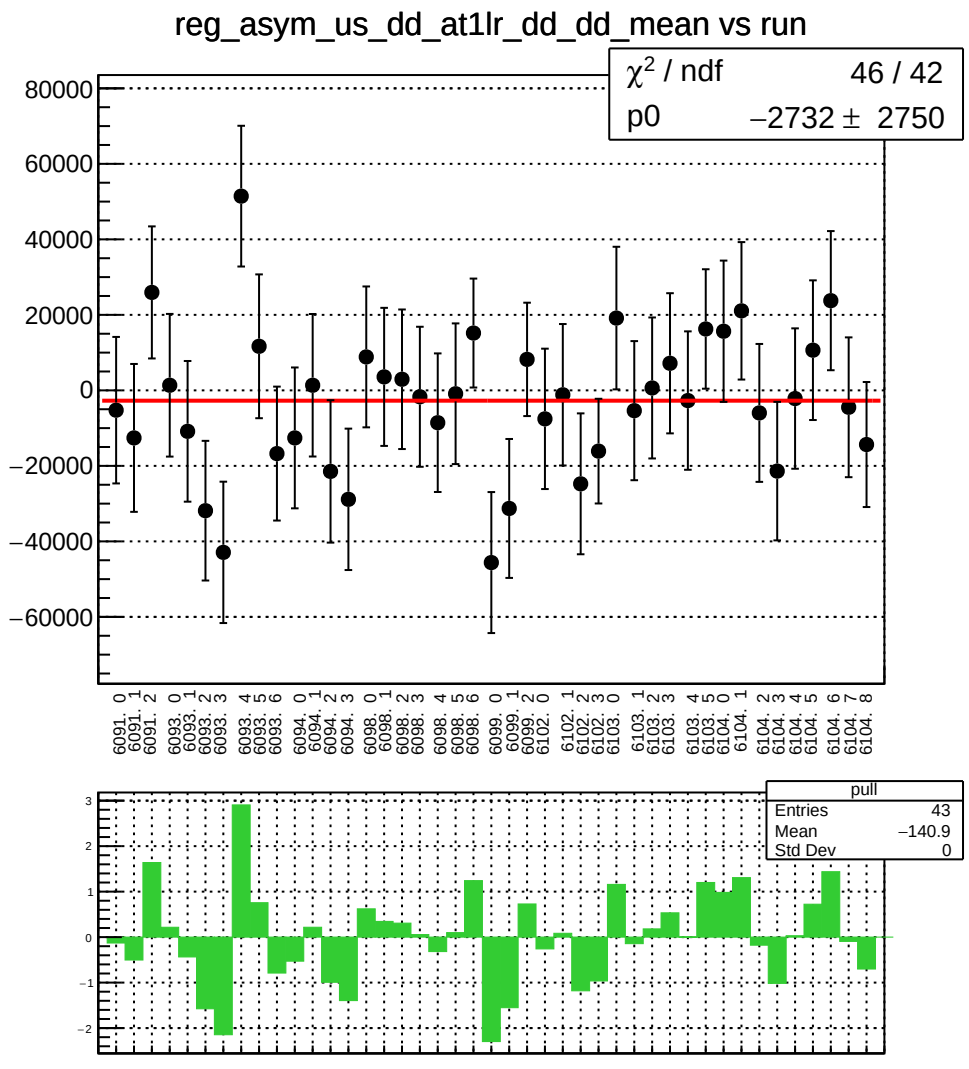

asym_us_dd_at1lr_dd_avg_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 35.78 / 42
p0 0.05924 ± 0.07255
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 12.37
Std Dev 0
pull1D
Entries 43
Mean −0.08599
Std Dev 0.9082

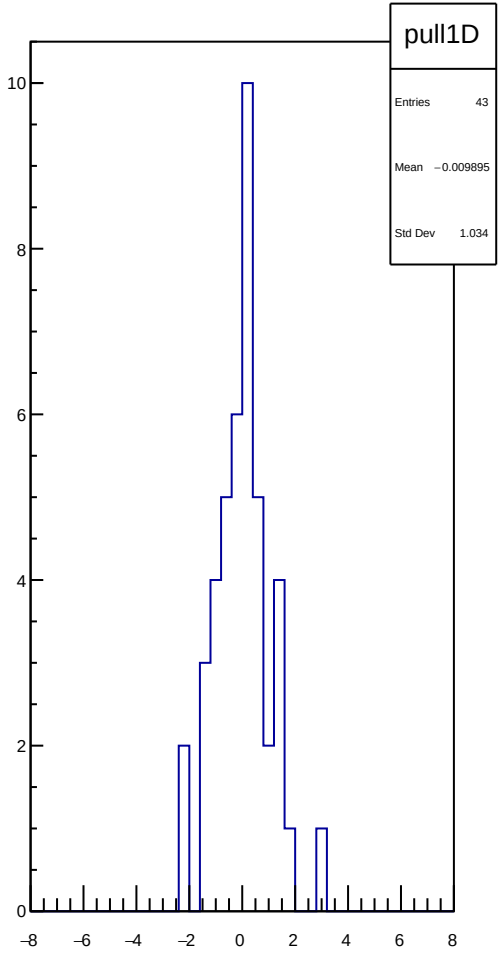

asym_us_dd_at1lr_dd_avg_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.327e+05 / 42
p0 42.77 ± 0.0513
140
120
100
80
60
40
20
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

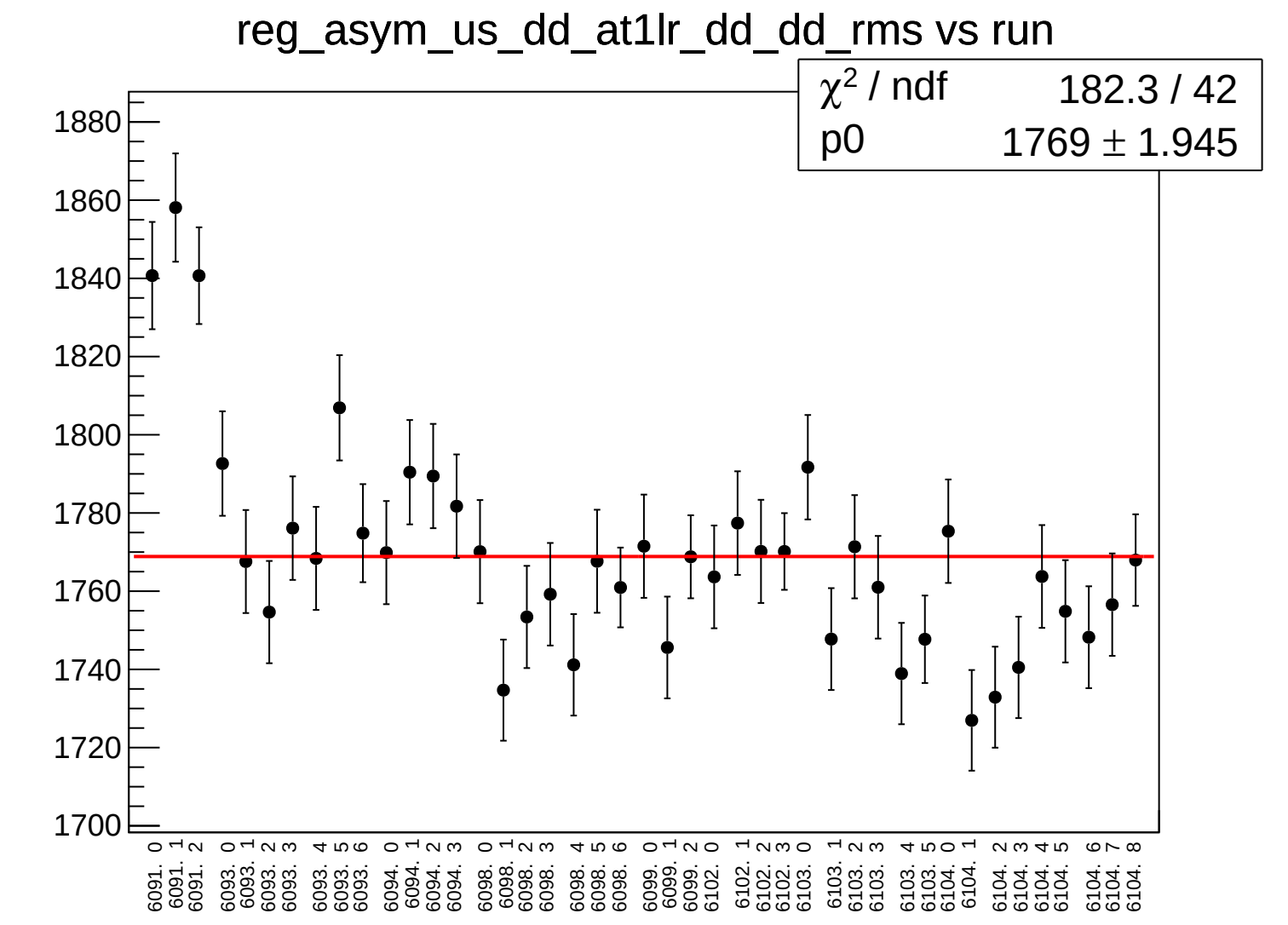

asym_us_dd_at1lr_dd_avg_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 41.49 / 42
p0 2.799e−15 ± 1.831e−14
pull
Entries 43
Mean 22.1
Std Dev 16.27

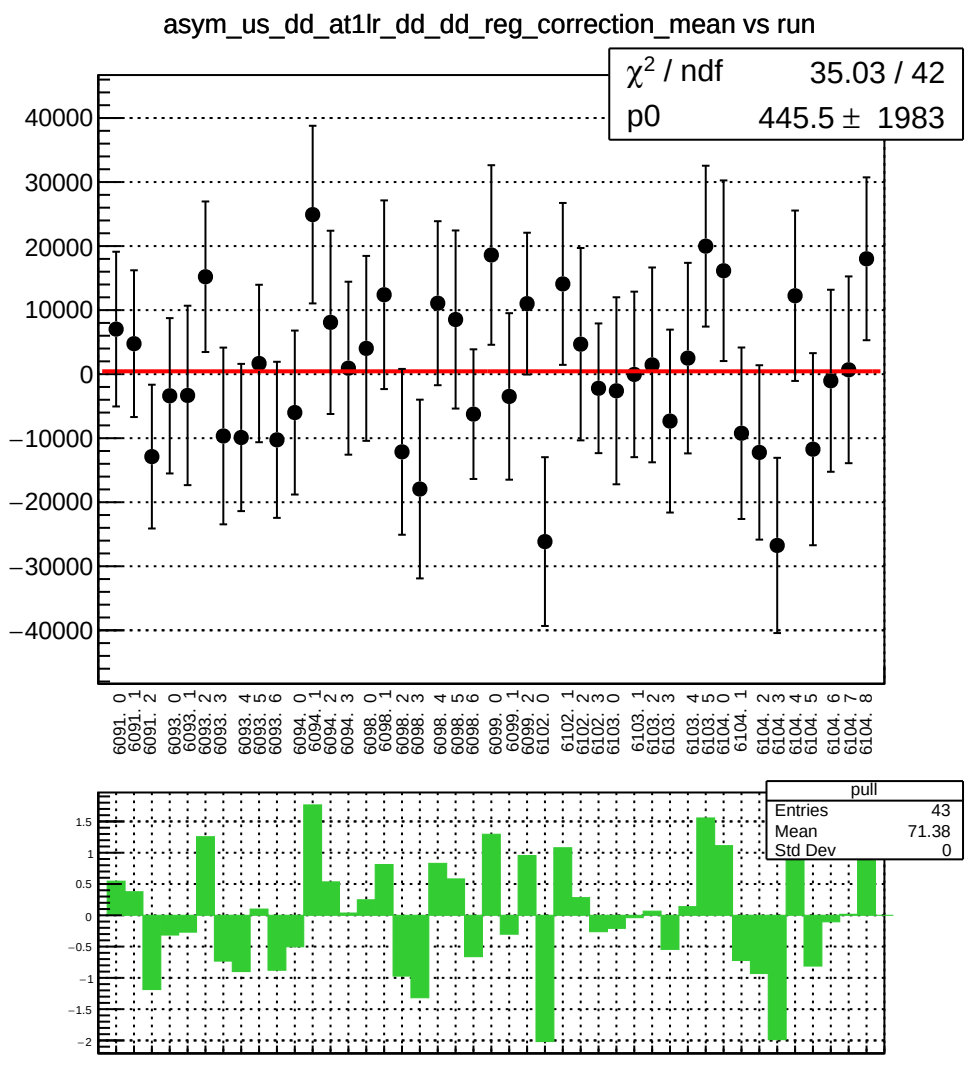

pull1D
Entries 43
Mean 0.05725
Std Dev 0.9806

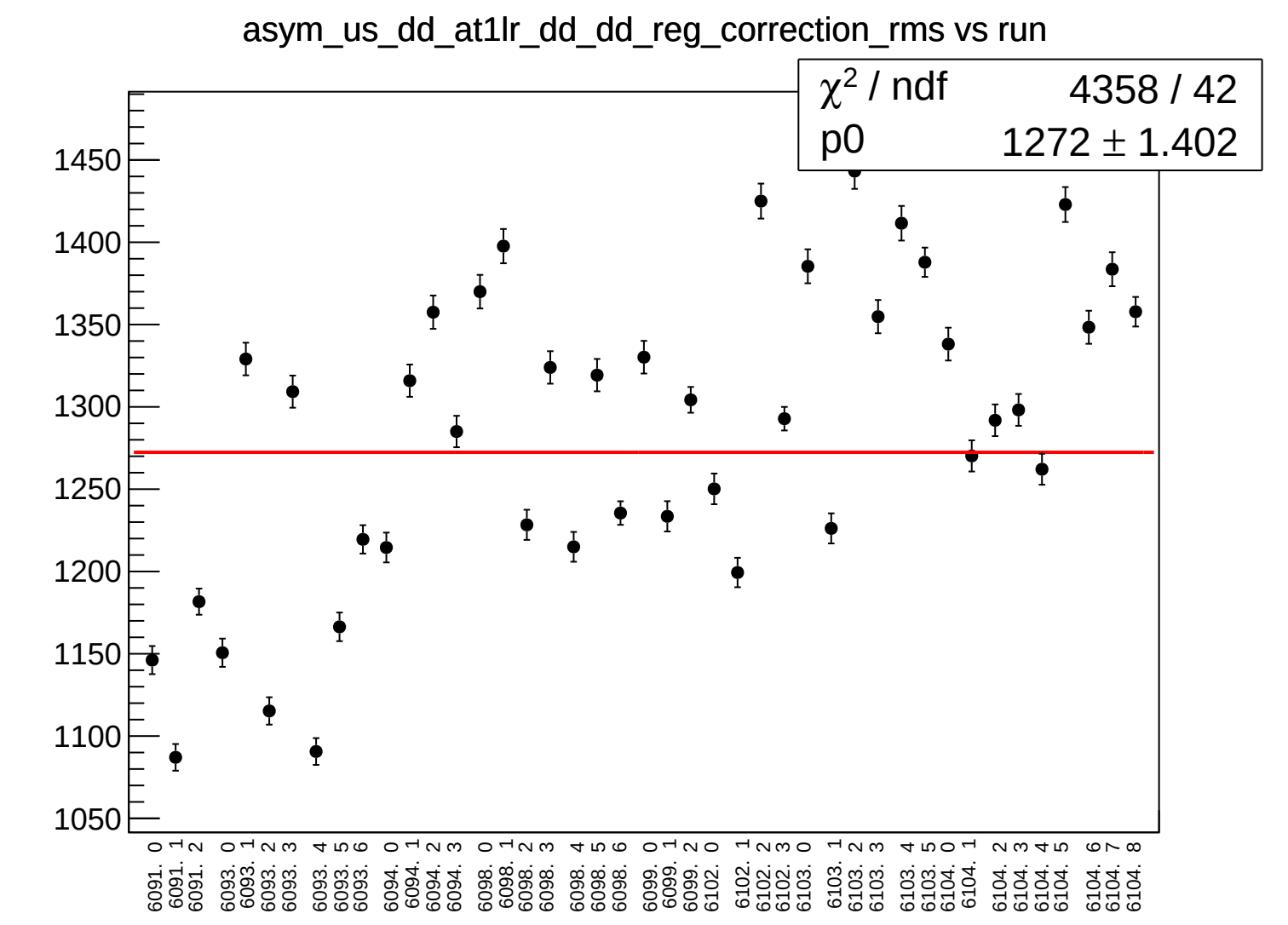

asym_us_dd_at1lr_dd_avg_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 4.085e+05 / 42
p0 8.383e−12 ± 1.295e−14
0.1
0.09
0.08
0.07
0.06
0.05
0.04
0.03
0.02
0.01
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

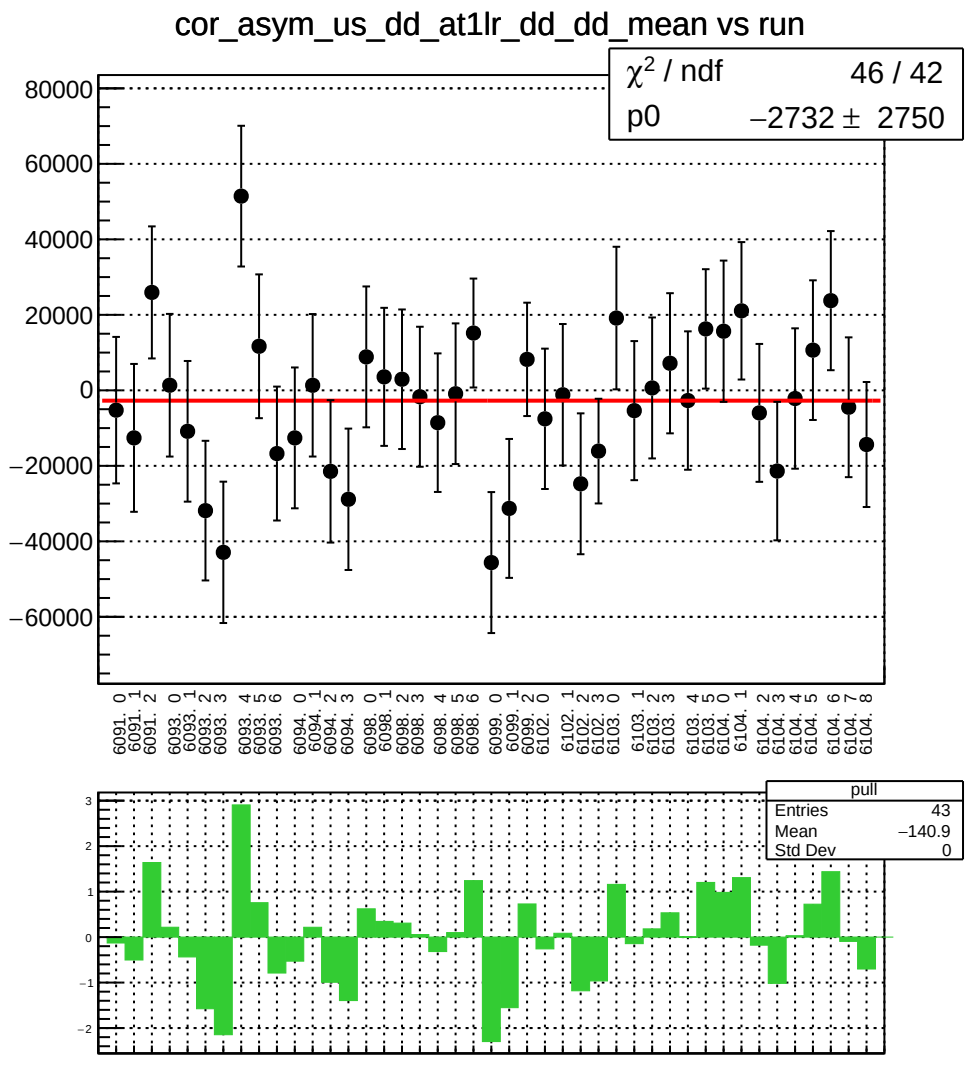

reg_asym_us_dd_at1lr_dd_dd_mean vs run
χ² / ndf 46 / 42
p0 −2732 ± 2750
80000
60000
40000
20000
0
−20000
−40000
−60000
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean −140.9
Std Dev 0
3
2
1
0
−1
−2

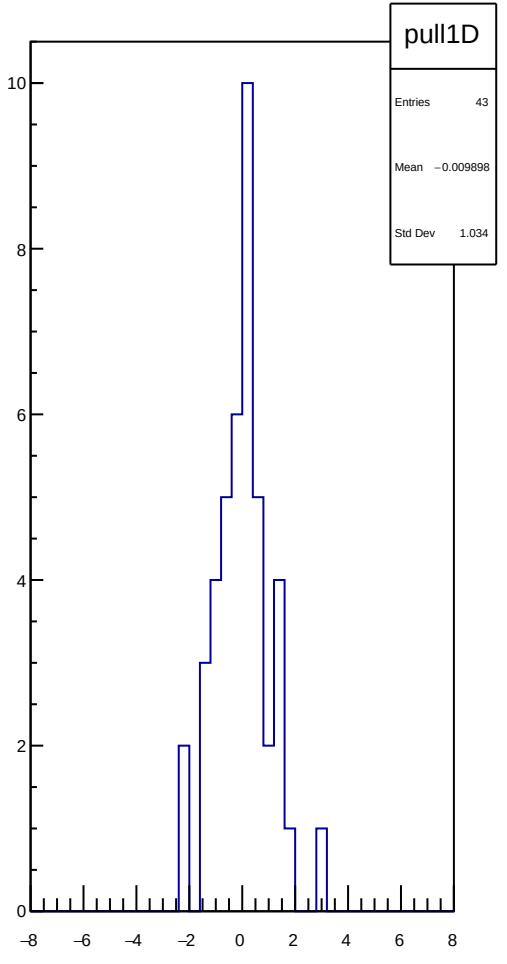

pull1D
Entries 43
Mean −0.009895
Std Dev 1.034
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

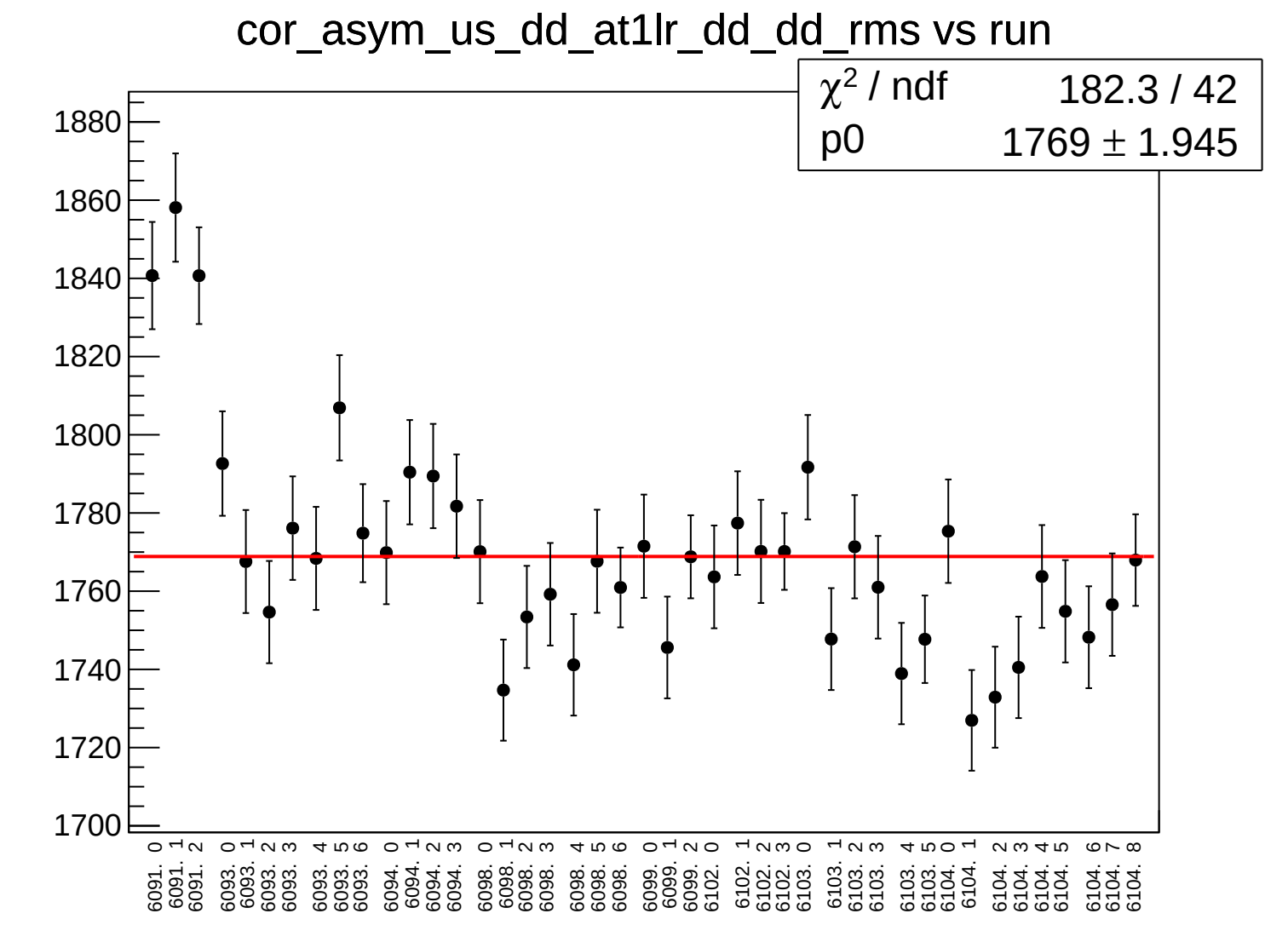

reg_asym_us_dd_at1lr_dd_dd_rms vs run
χ² / ndf 182.3 / 42
p0 1769 ± 1.945
1880
1860
1840
1820
1800
1780
1760
1740
1720
1700
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

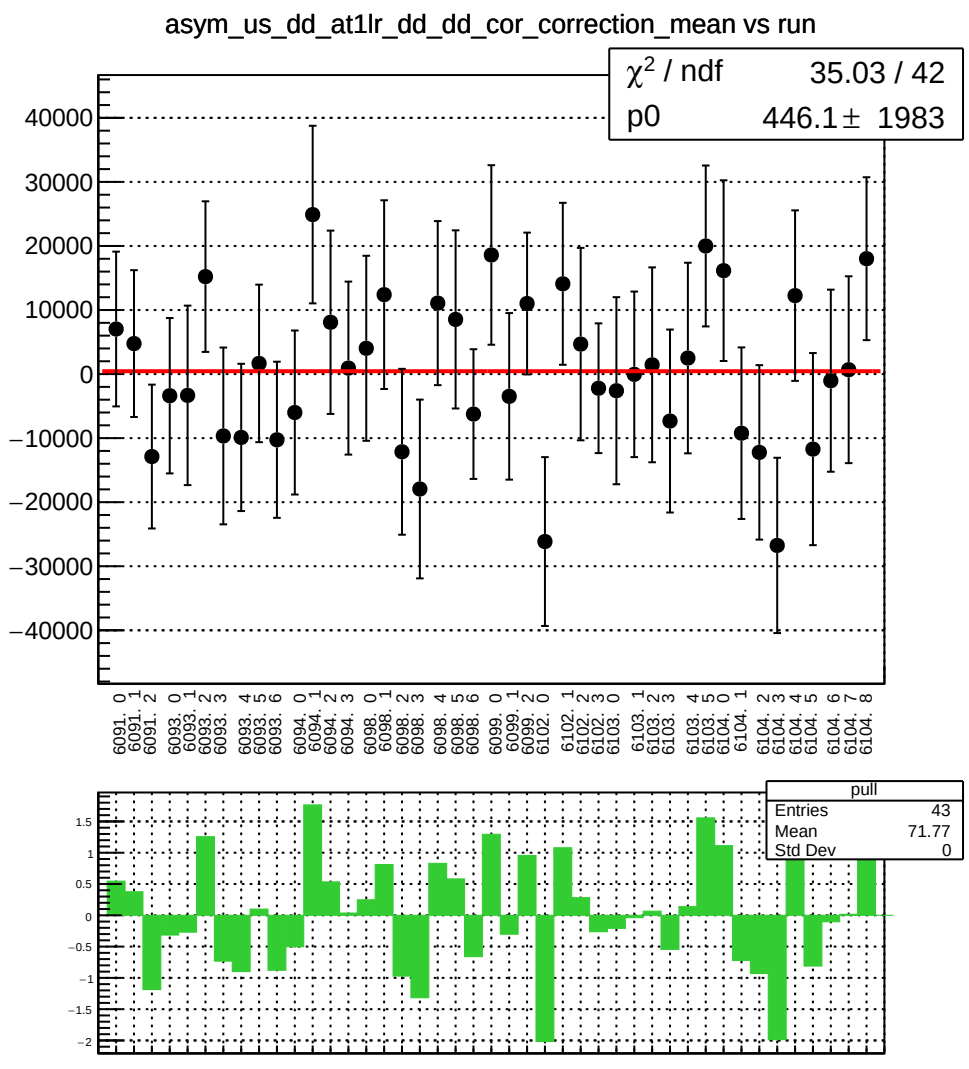

asym_us_dd_at1lr_dd_dd_reg_correction_mean vs run
χ² / ndf 35.03 / 42
p0 445.5 ± 1983
40000
30000
20000
10000
0
−10000
−20000
−30000
−40000
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 71.38
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 43
Mean 0.004469
Std Dev 0.9026
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

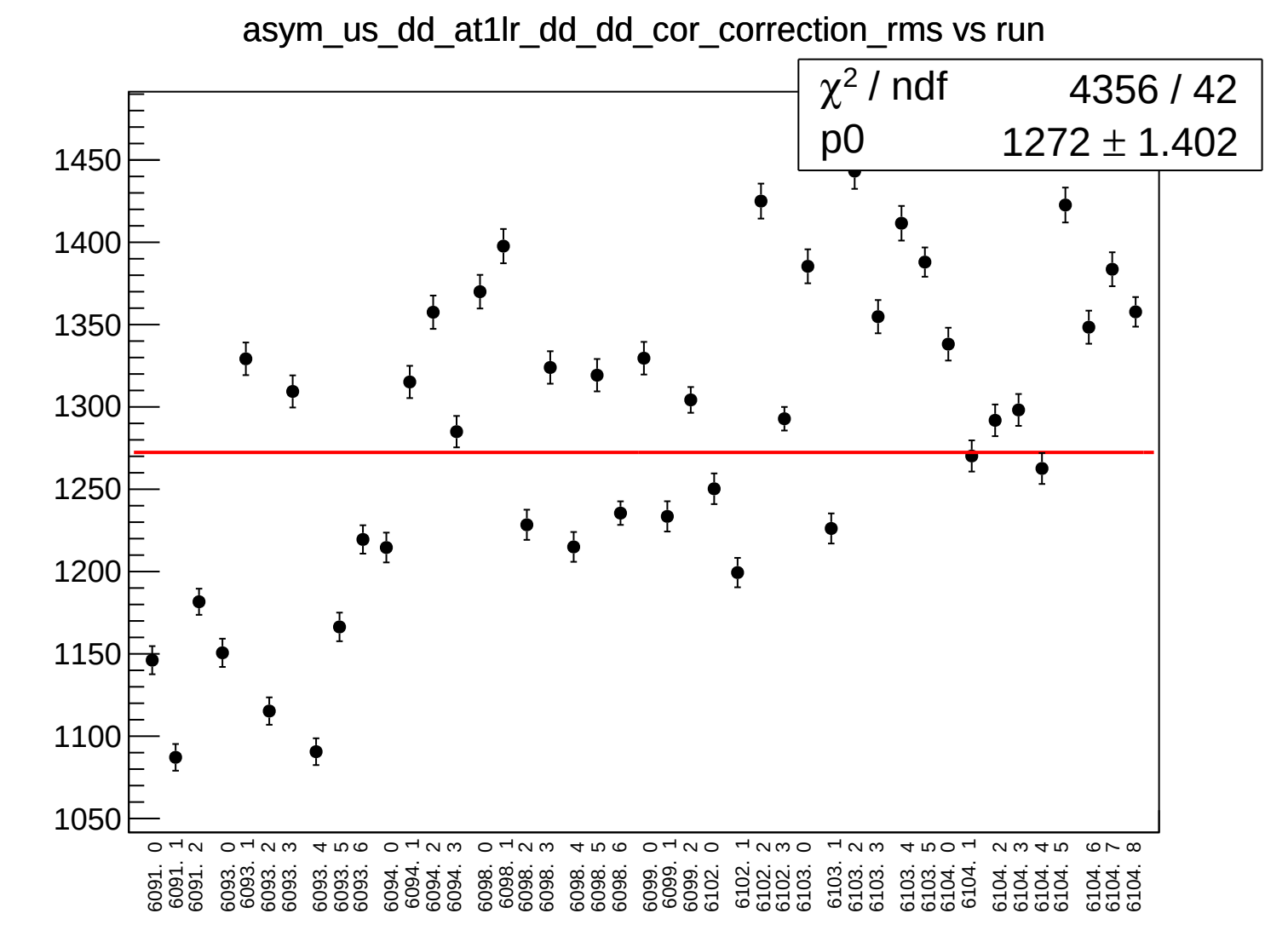

asym_us_dd_at1lr_dd_dd_reg_correction_rms vs run
χ² / ndf 4358 / 42
p0 1272 ± 1.402
1450
1400
1350
1300
1250
1200
1150
1100
1050
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

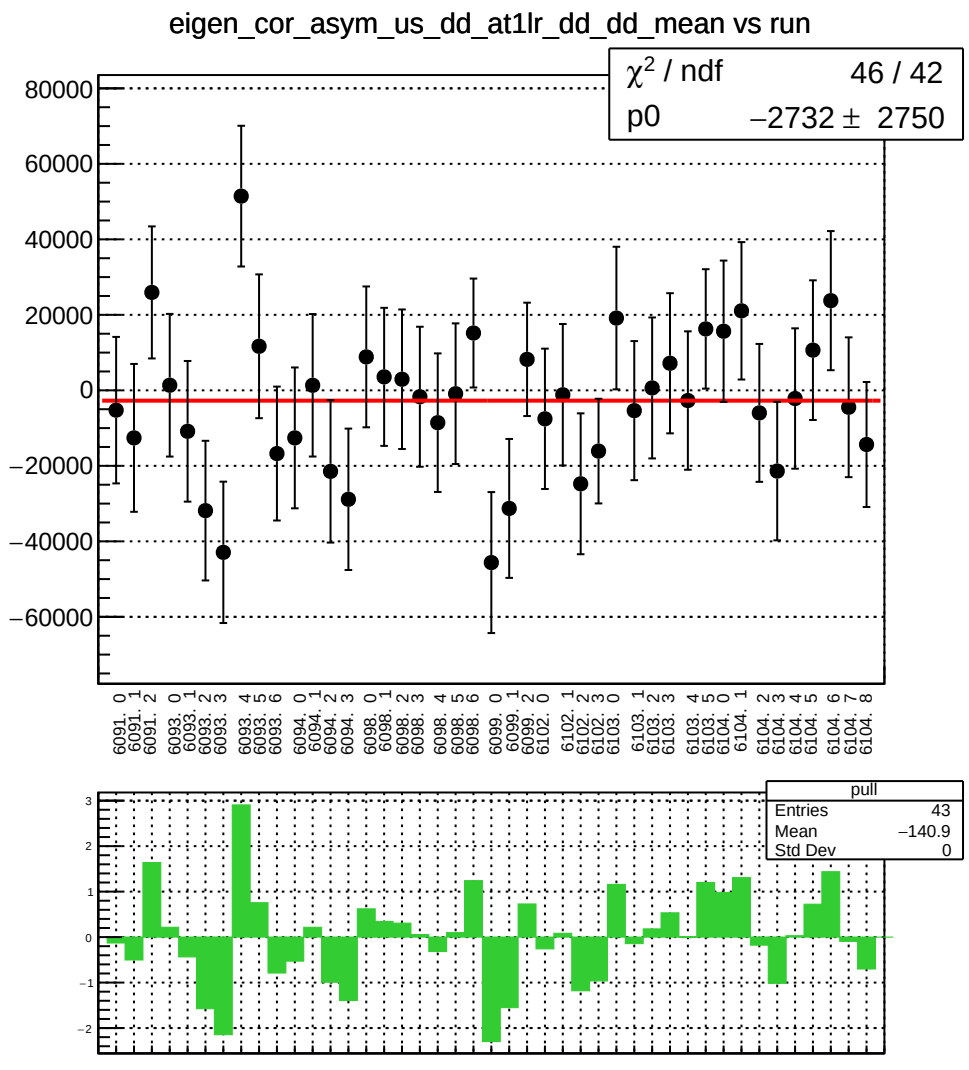

cor_asym_us_dd_at1lr_dd_dd_mean vs run
χ² / ndf 46 / 42
p0 −2732 ± 2750
80000
60000
40000
20000
0
−20000
−40000
−60000
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean −140.9
Std Dev 0
3
2
1
0
−1
−2

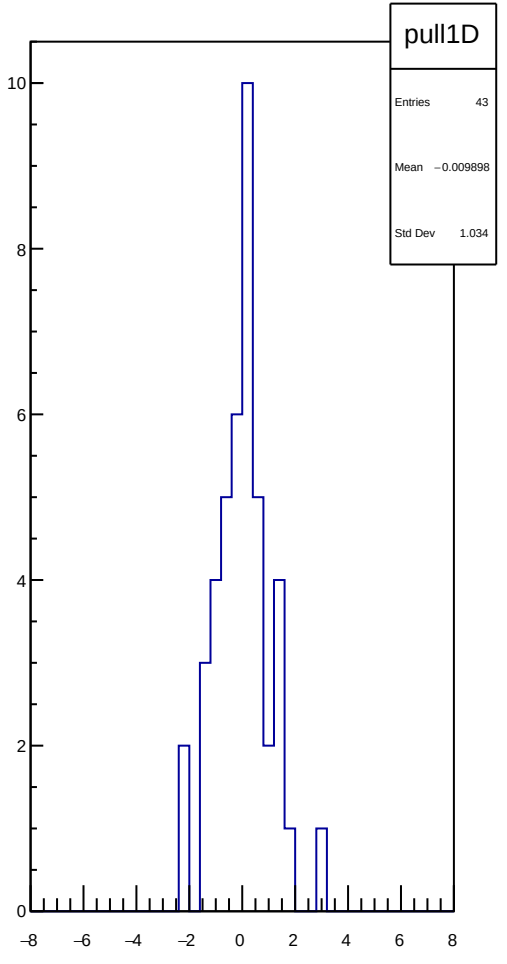

pull1D
Entries 43
Mean −0.009898
Std Dev 1.034
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

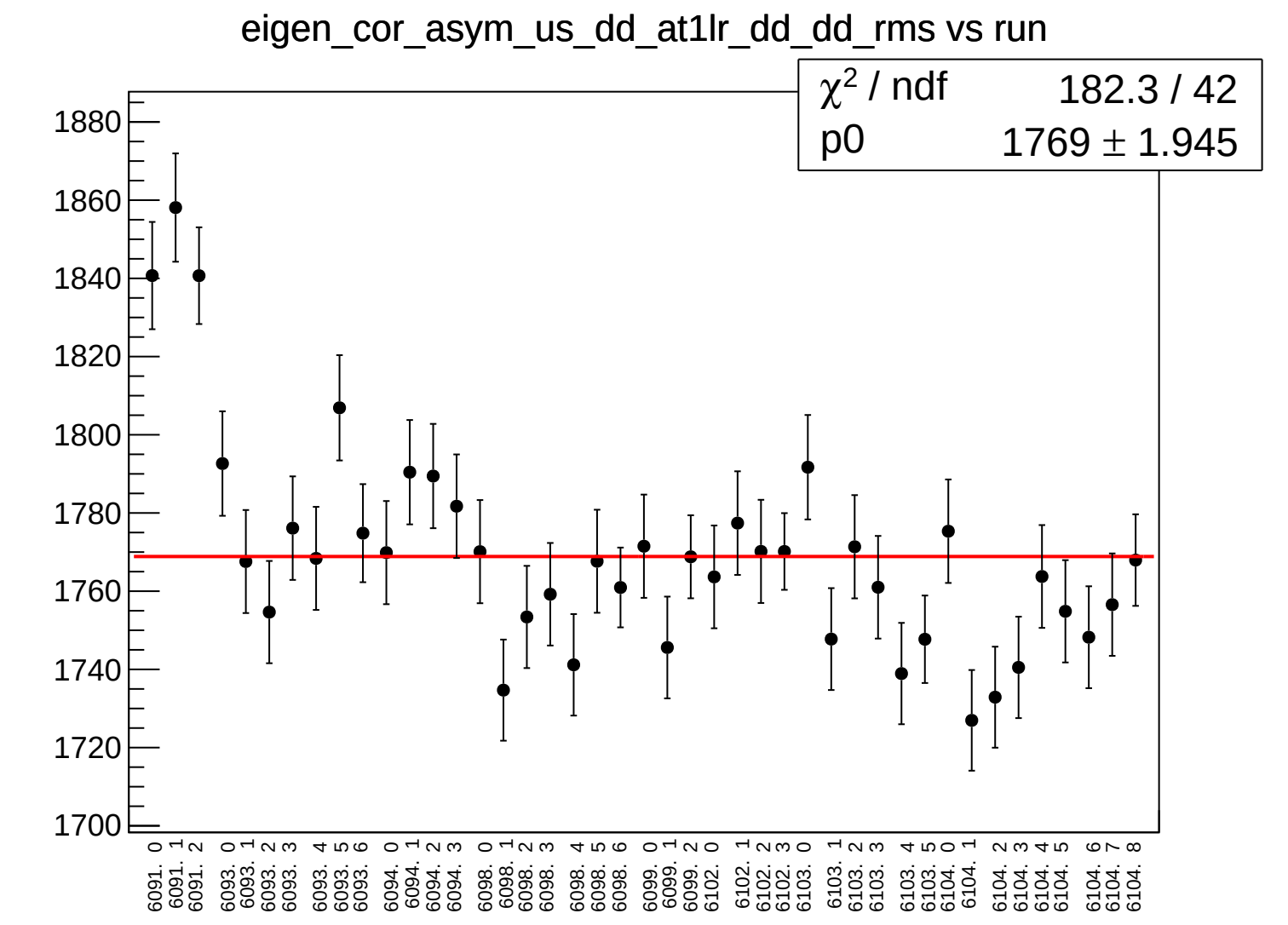

cor_asym_us_dd_at1lr_dd_dd_rms vs run
χ² / ndf 182.3 / 42
p0 1769 ± 1.945
1880
1860
1840
1820
1800
1780
1760
1740
1720
1700
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

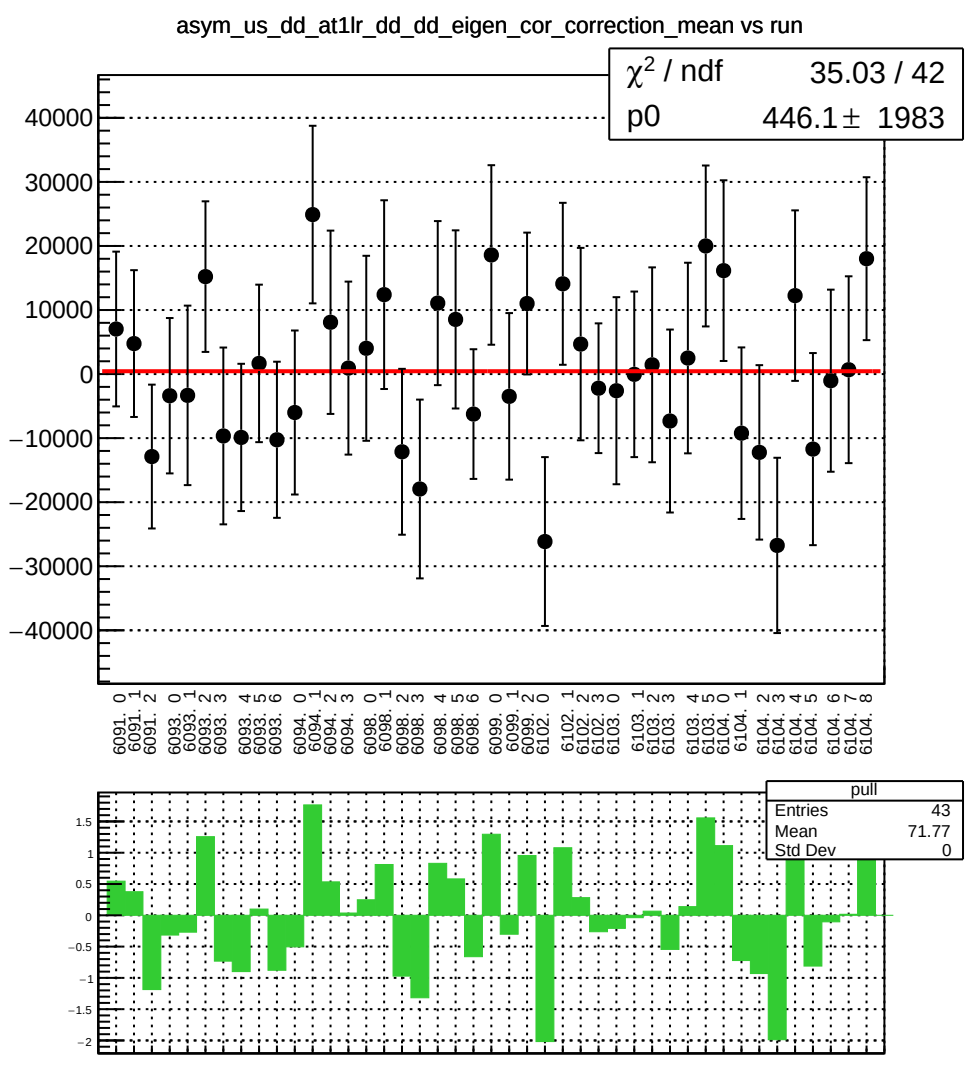

asym_us_dd_at1lr_dd_dd_cor_correction_mean vs run
χ² / ndf 35.03 / 42
p0 446.1 ± 1983
40000
30000
20000
10000
0
−10000
−20000
−30000
−40000
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 71.77
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 43
Mean 0.004439
Std Dev 0.9026
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

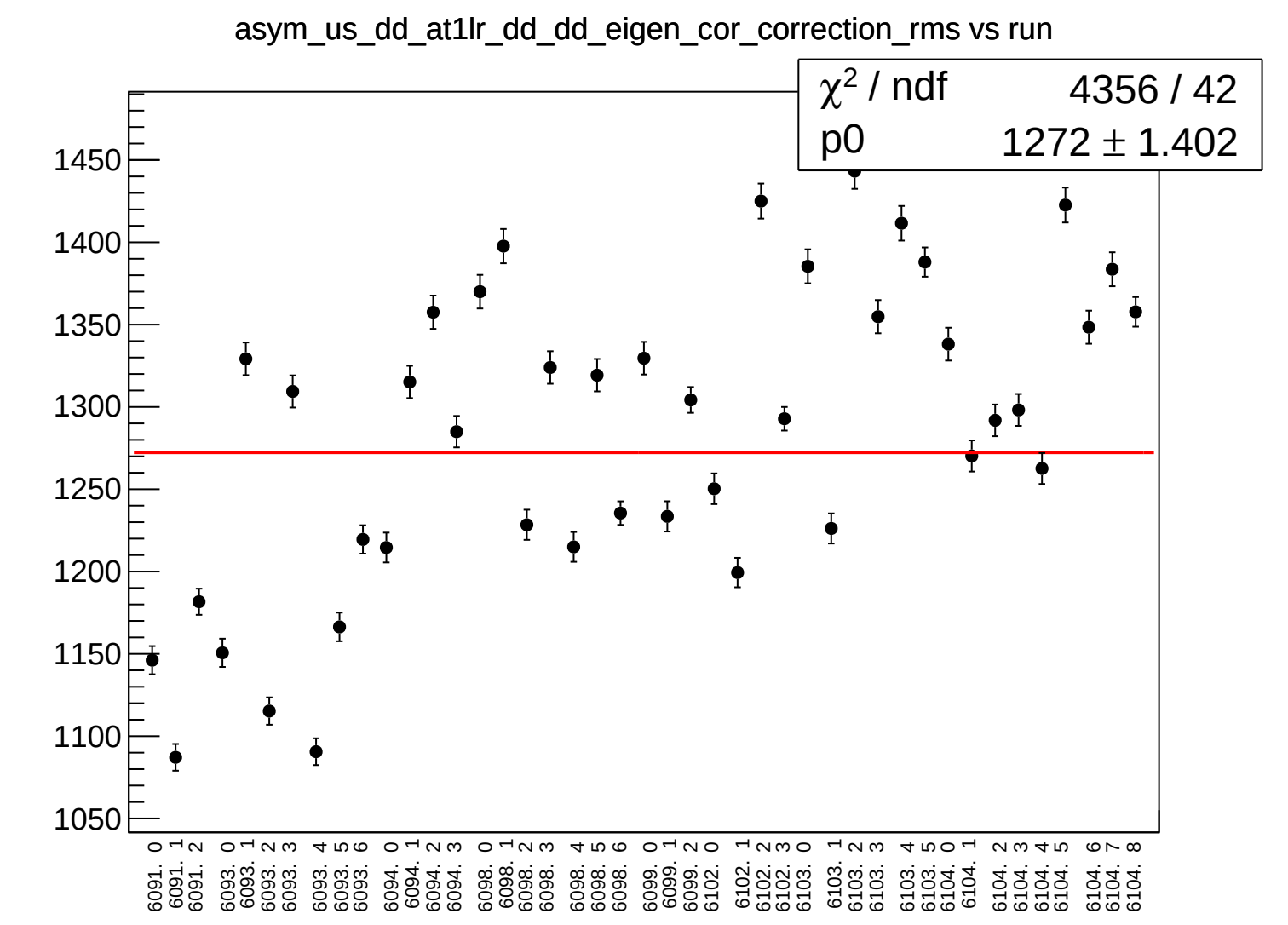

asym_us_dd_at1lr_dd_dd_cor_correction_rms vs run
χ² / ndf 4356 / 42
p0 1272 ± 1.402
1450
1400
1350
1300
1250
1200
1150
1100
1050
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

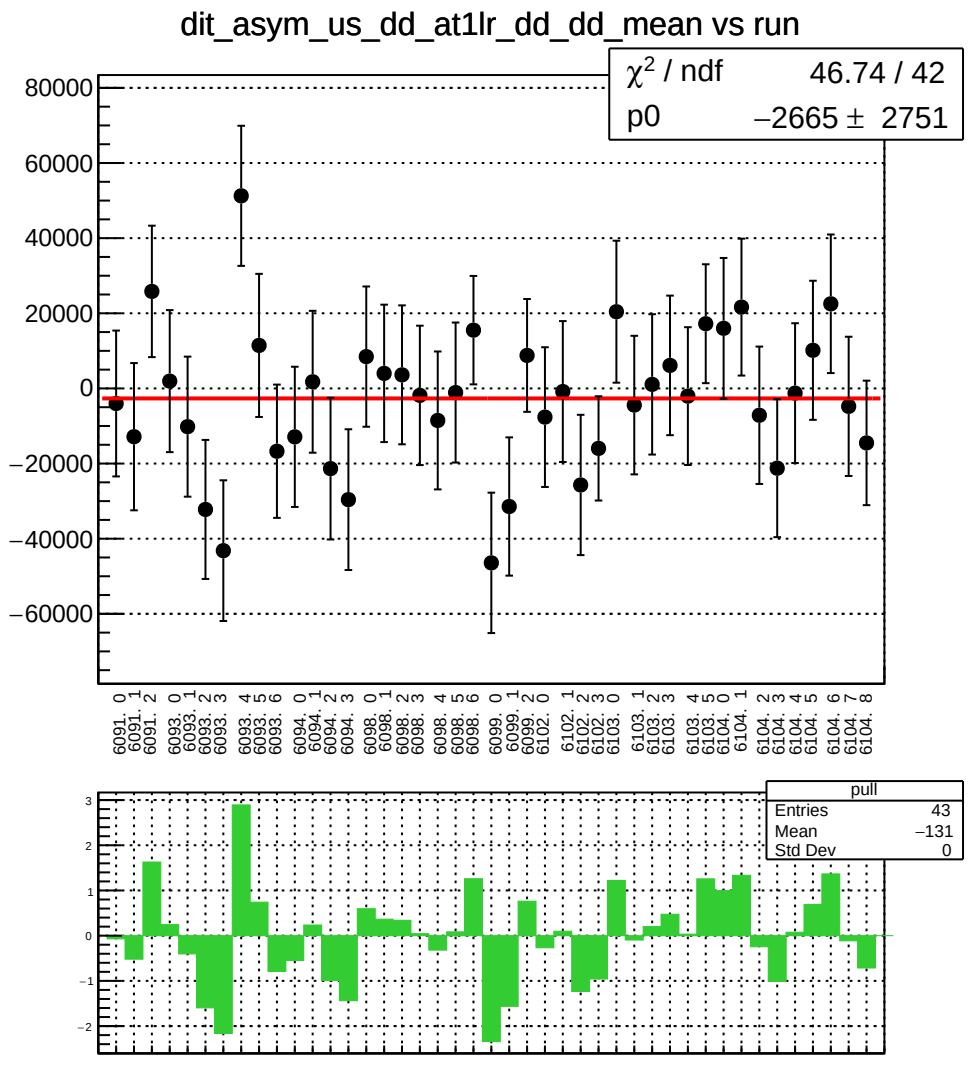

eigen_cor_asym_us_dd_at1lr_dd_dd_mean vs run
χ² / ndf 46 / 42
p0 −2732 ± 2750
80000
60000
40000
20000
0
−20000
−40000
−60000
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean −140.9
Std Dev 0
3
2
1
0
−1
−2

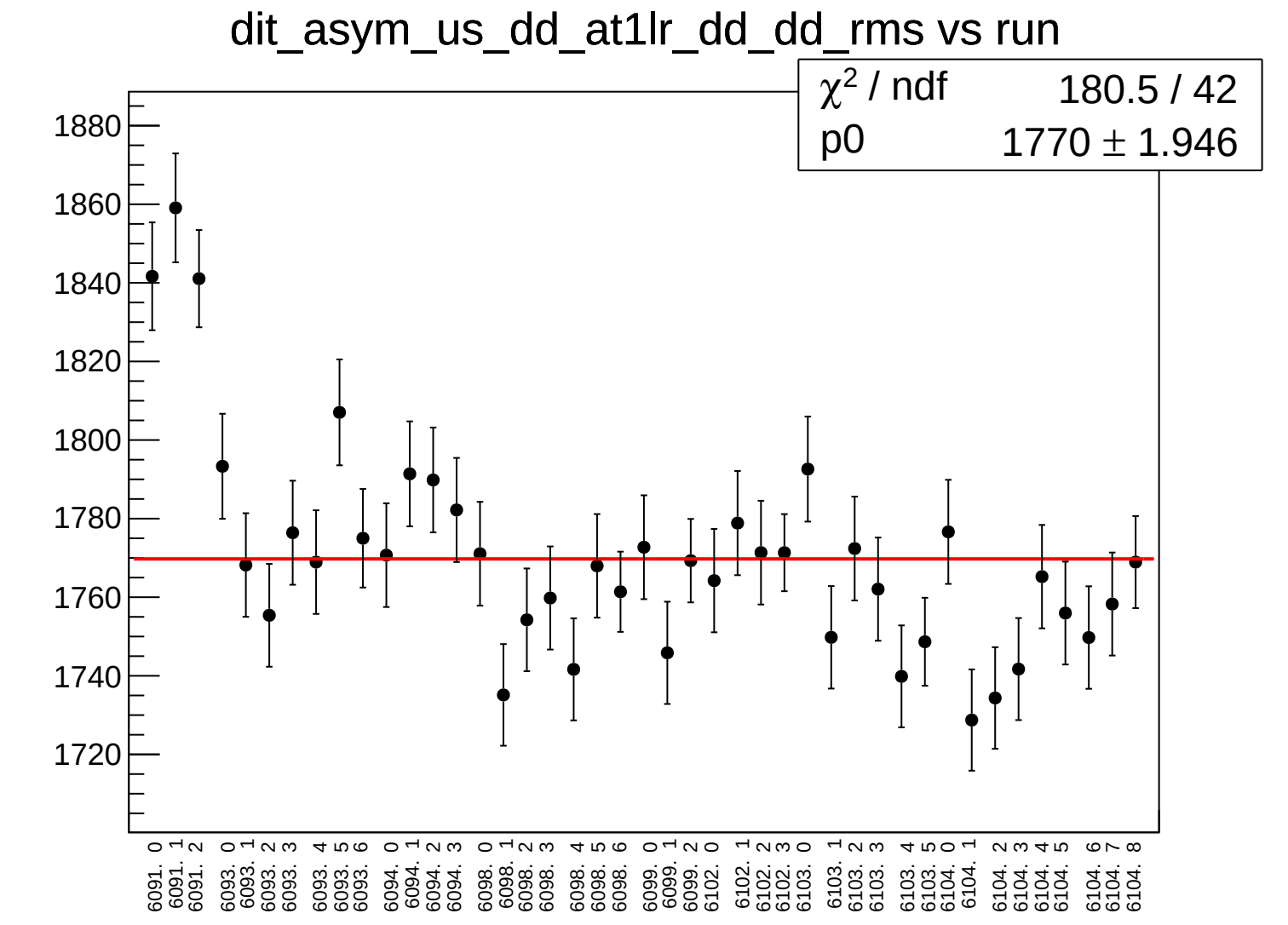

pull1D
Entries 43
Mean −0.009898
Std Dev 1.034
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

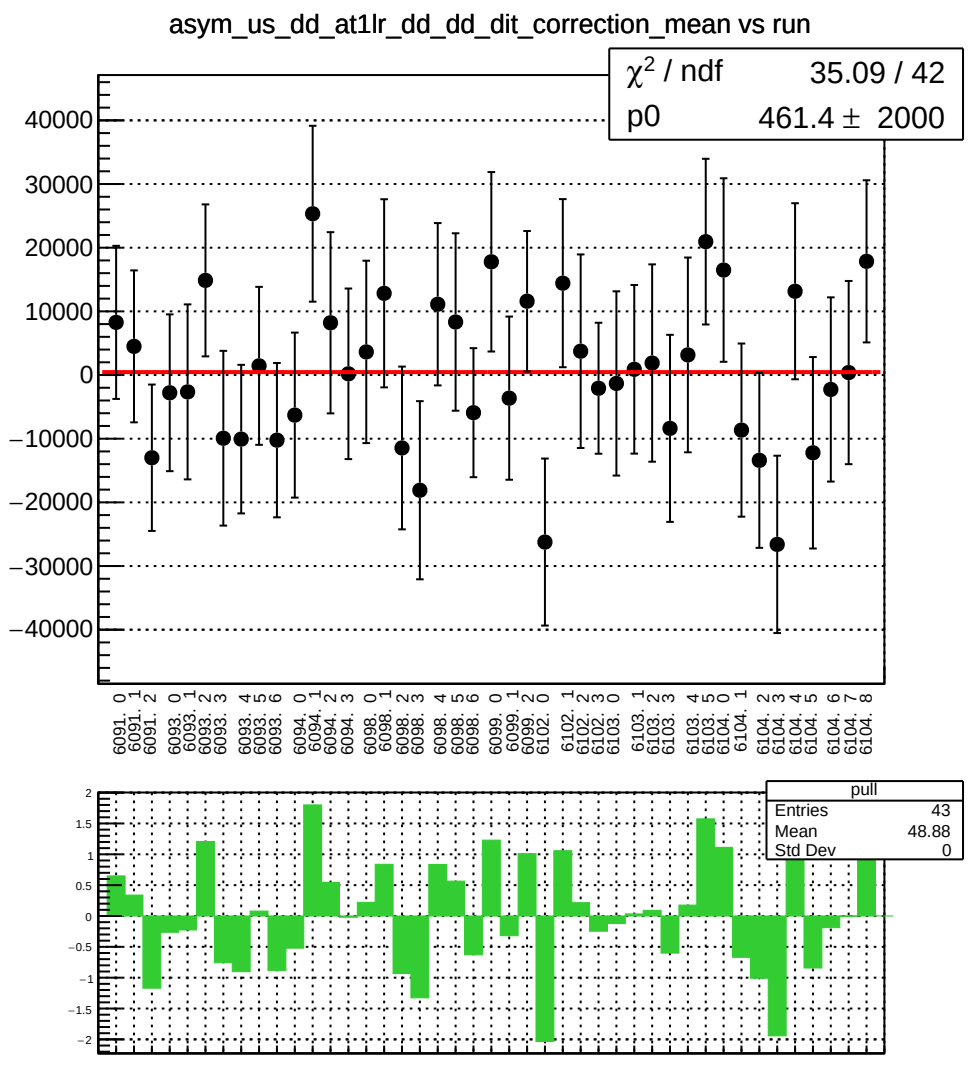

eigen_cor_asym_us_dd_at1lr_dd_dd_rms vs run
χ² / ndf 182.3 / 42
p0 1769 ± 1.945
1880
1860
1840
1820
1800
1780
1760
1740
1720
1700
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

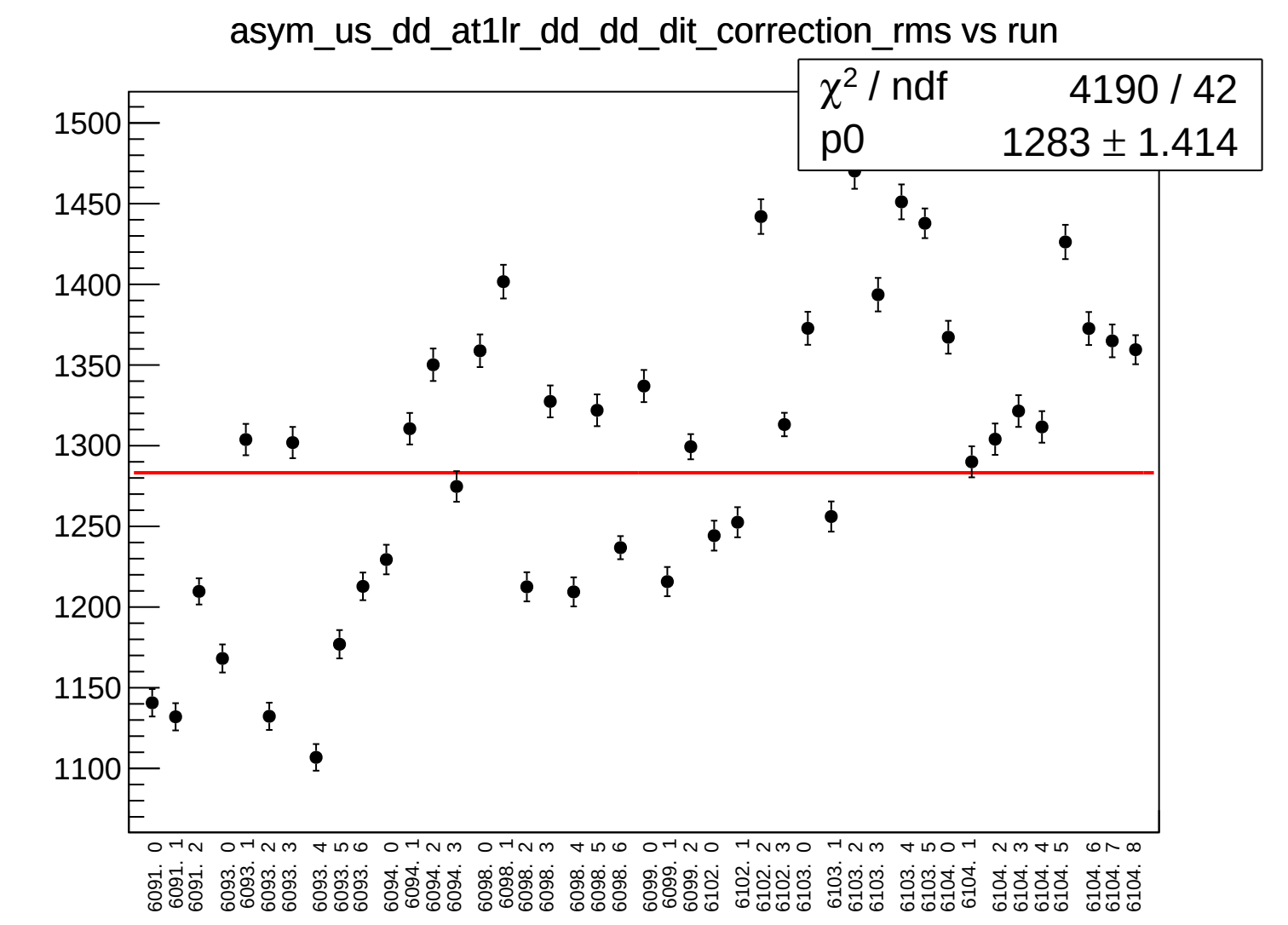

asym_us_dd_at1lr_dd_dd_eigen_cor_correction_mean vs run
χ² / ndf 35.03 / 42
p0 446.1± 1983
40000
30000
20000
10000
0
−10000
−20000
−30000
−40000
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 71.77
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 43
Mean 0.004439
Std Dev 0.9026
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

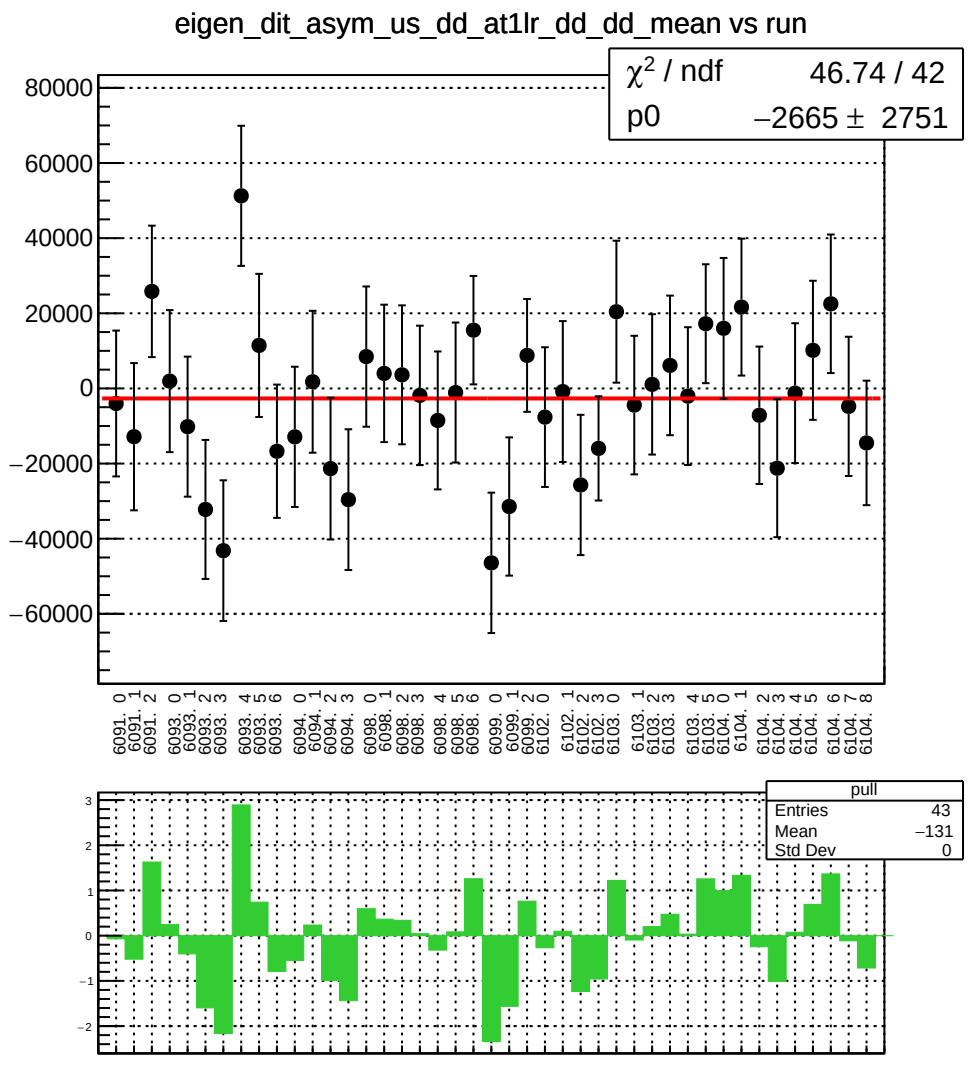

asym_us_dd_at1lr_dd_dd_eigen_cor_correction_rms vs run
χ² / ndf 4356 / 42
p0 1272 ± 1.402
1450
1400
1350
1300
1250
1200
1150
1100
1050
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

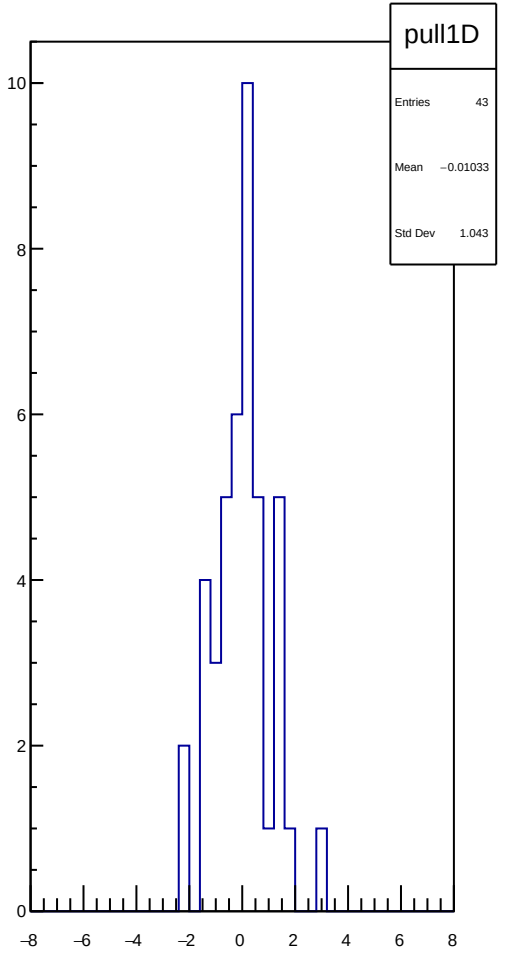

dit_asym_us_dd_at1lr_dd_dd_mean vs run
χ² / ndf 46.74 / 42
p0 −2665 ± 2751
80000
60000
40000
20000
0
−20000
−40000
−60000
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean −131
Std Dev 0
3
2
1
0
−1
−2
pull1D
Entries 43
Mean −0.01033
Std Dev 1.043
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

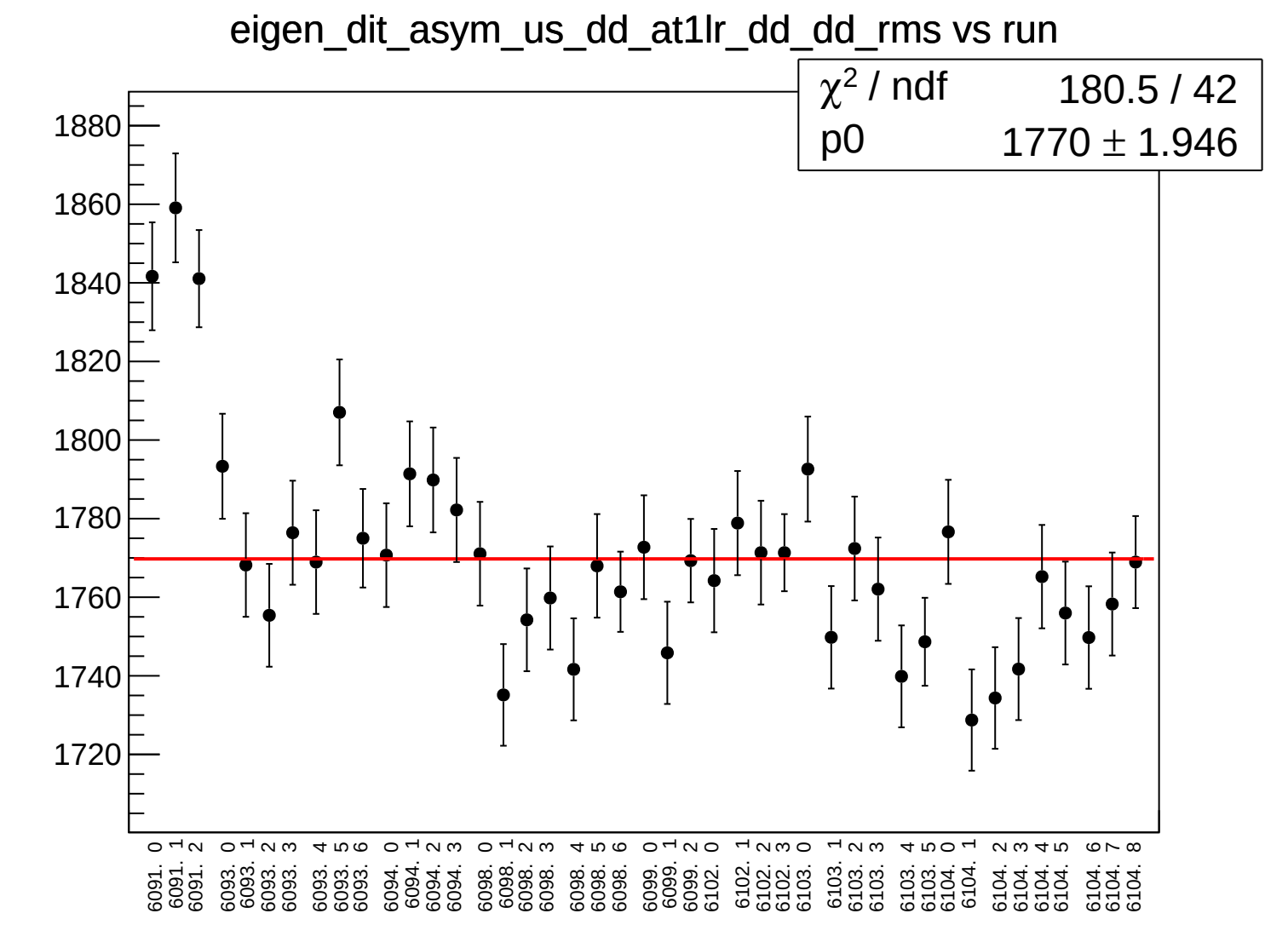

dit_asym_us_dd_at1lr_dd_dd_rms vs run
χ² / ndf 180.5 / 42
p0 1770 ± 1.946
1880
1860
1840
1820
1800
1780
1760
1740
1720
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

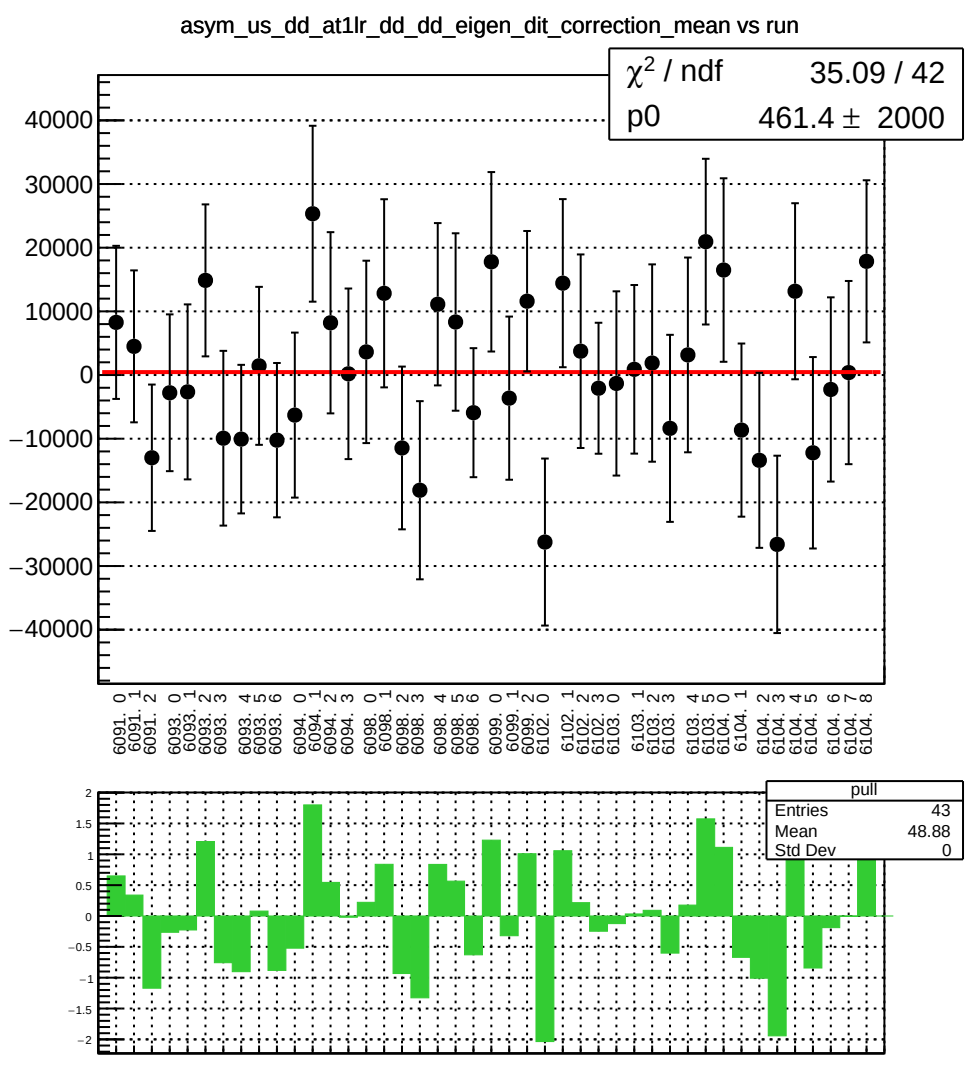

asym_us_dd_at1lr_dd_dd_dit_correction_mean vs run
χ² / ndf 35.09 / 42
p0 461.4 ± 2000
40000
30000
20000
10000
0
−10000
−20000
−30000
−40000
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 48.88
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 43
Mean 0.005786
Std Dev 0.9033
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

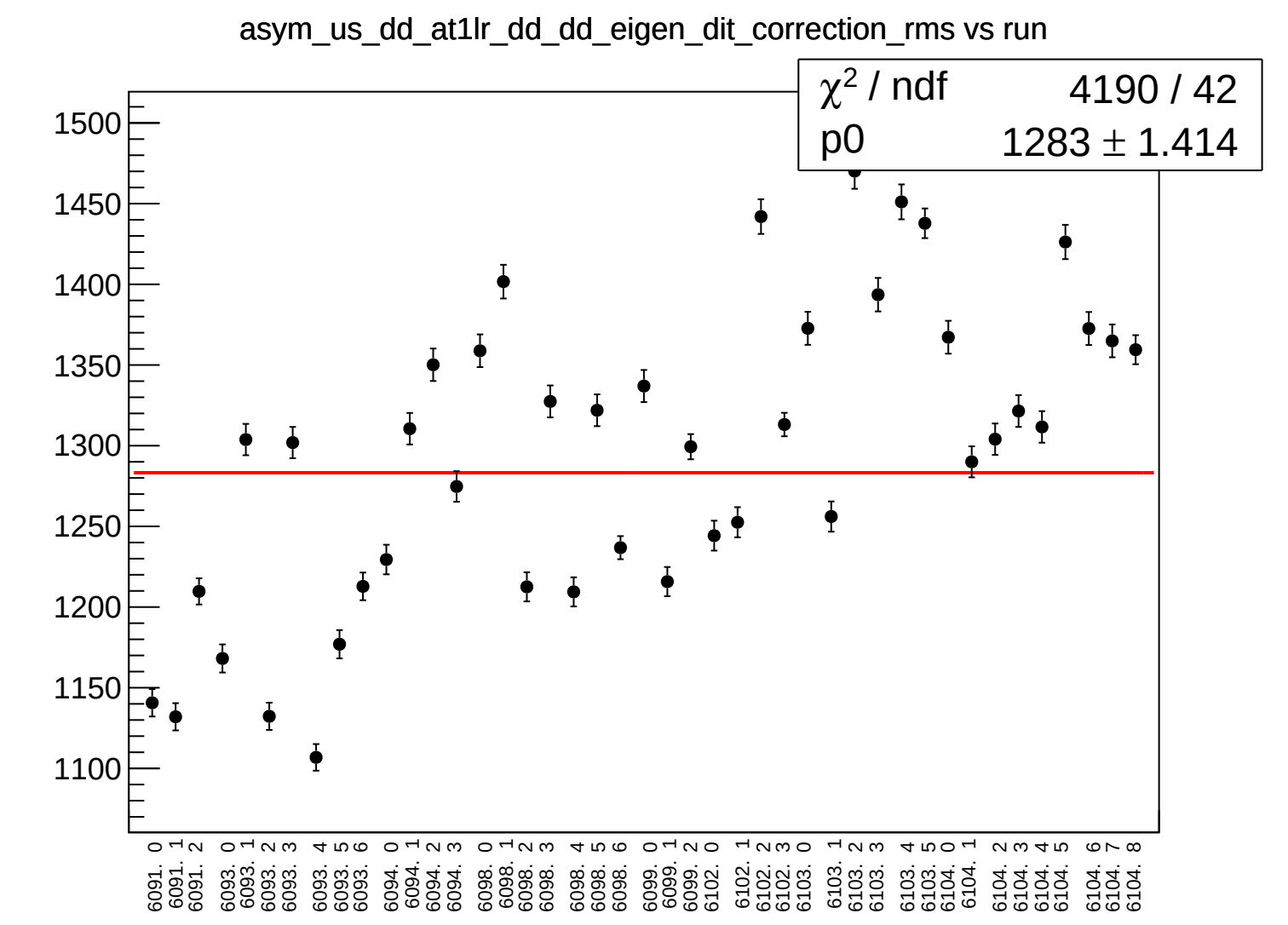

asym_us_dd_at1lr_dd_dd_dit_correction_rms vs run
χ² / ndf 4190 / 42
p0 1283 ± 1.414
1500
1450
1400
1350
1300
1250
1200
1150
1100
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

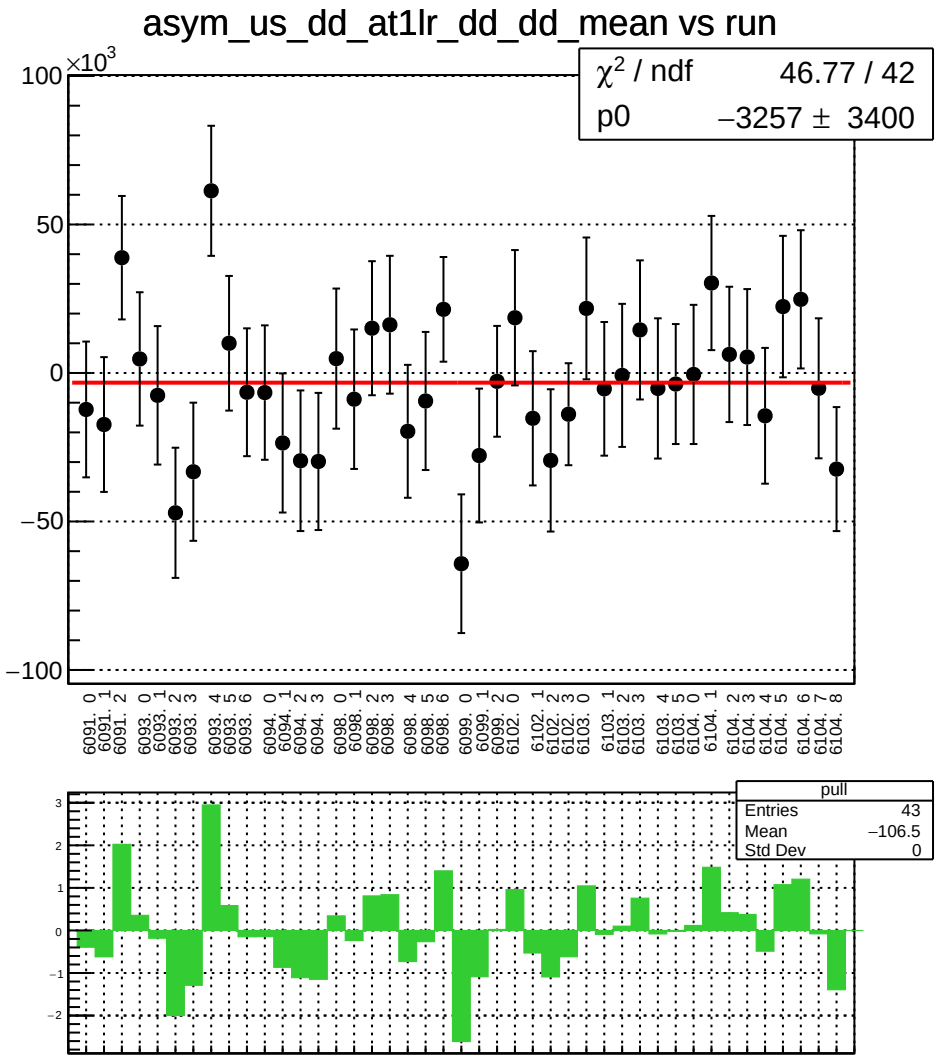

eigen_dit_asym_us_dd_at1lr_dd_dd_mean vs run
χ² / ndf 46.74 / 42
p0 −2665 ± 2751
80000
60000
40000
20000
0
−20000
−40000
−60000
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean −131
Std Dev 0
3
2
1
0
−1
−2

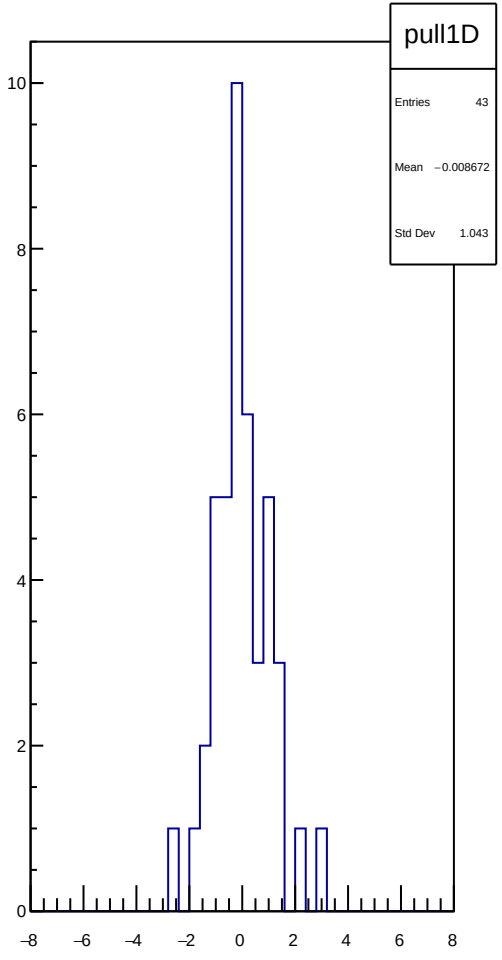

pull1D
Entries 43
Mean −0.01033
Std Dev 1.043
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

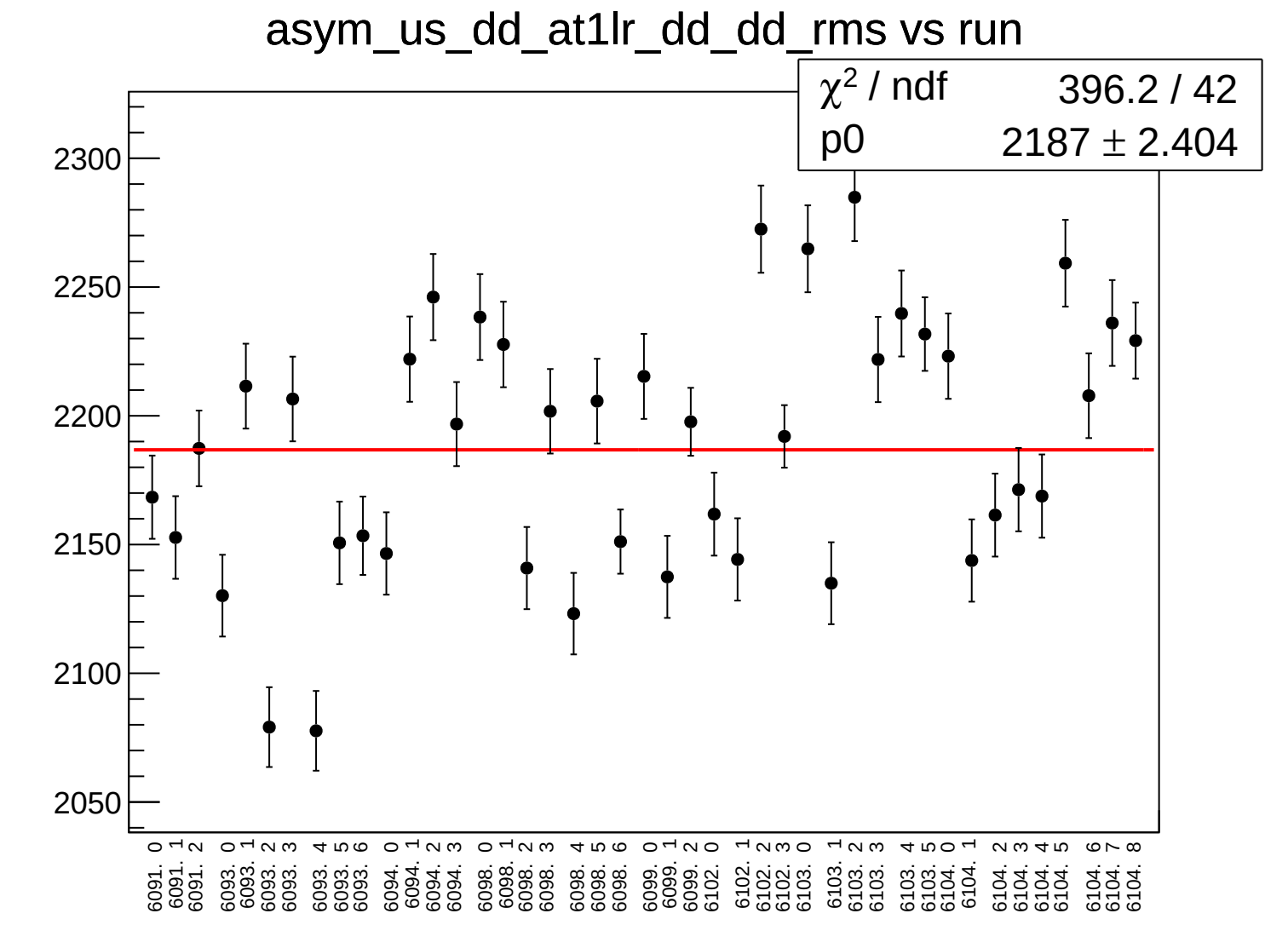

eigen_dit_asym_us_dd_at1lr_dd_dd_rms vs run
χ^2 / ndf 180.5 / 42
p0 1770 ± 1.946
1880
1860
1840
1820
1800
1780
1760
1740
1720
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

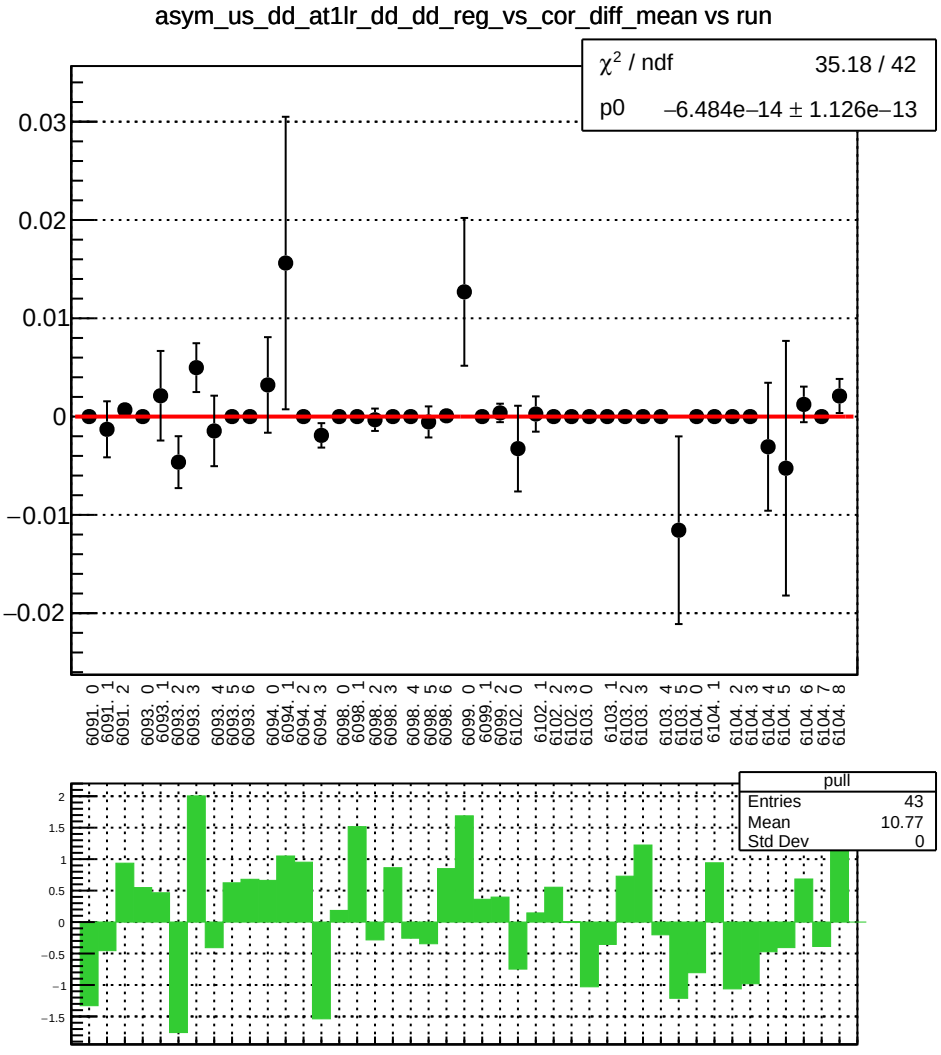

asym_us_dd_at1lr_dd_dd_eigen_dit_correction_mean vs run
χ² / ndf 35.09 / 42
p0 461.4 ± 2000
40000
30000
20000
10000
0
−10000
−20000
−30000
−40000
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 48.88
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 43
Mean 0.005786
Std Dev 0.9033
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

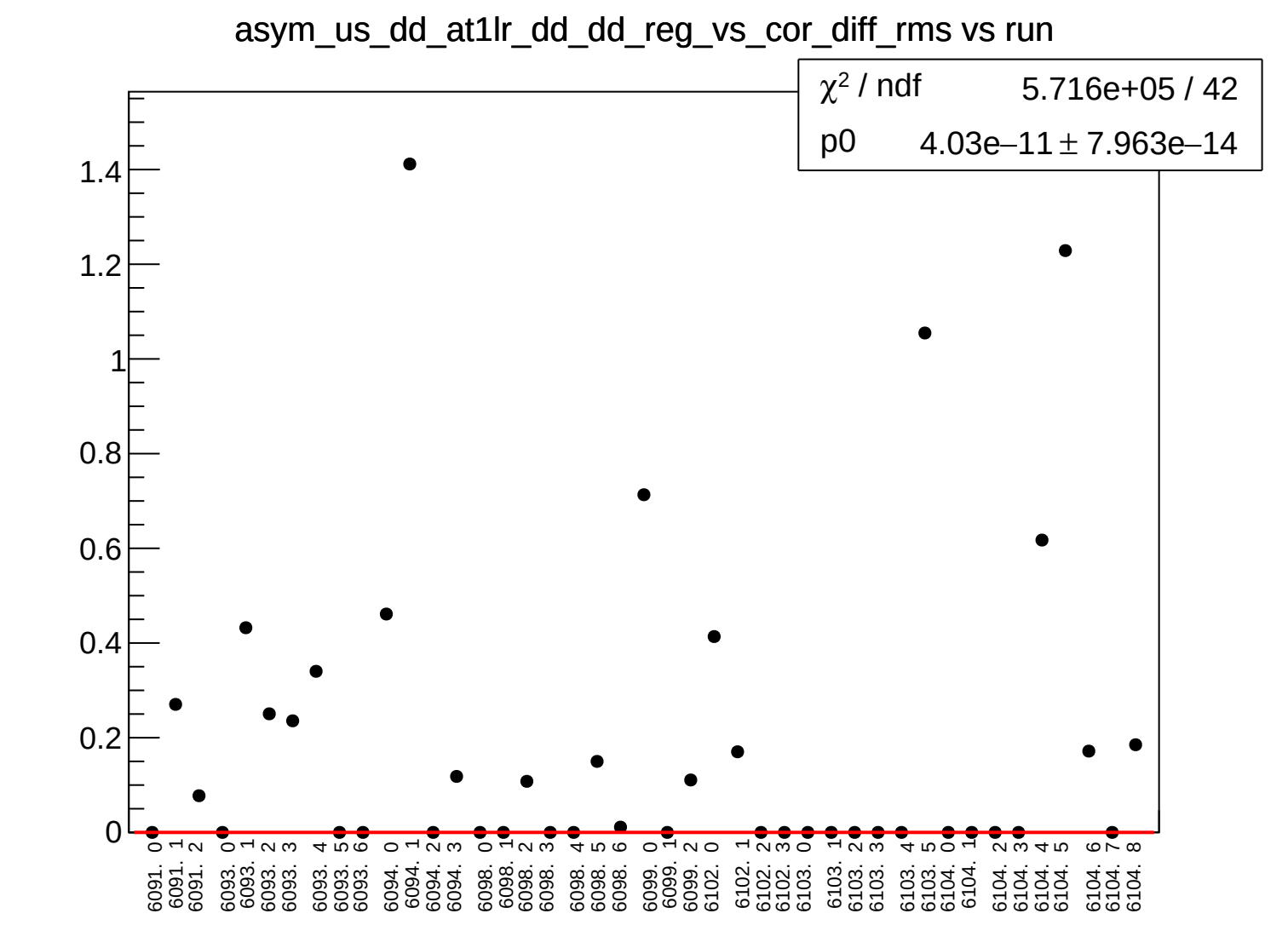

asym_us_dd_at1lr_dd_dd_eigen_dit_correction_rms vs run
χ² / ndf 4190 / 42
p0 1283 ± 1.414
1500
1450
1400
1350
1300
1250
1200
1150
1100
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

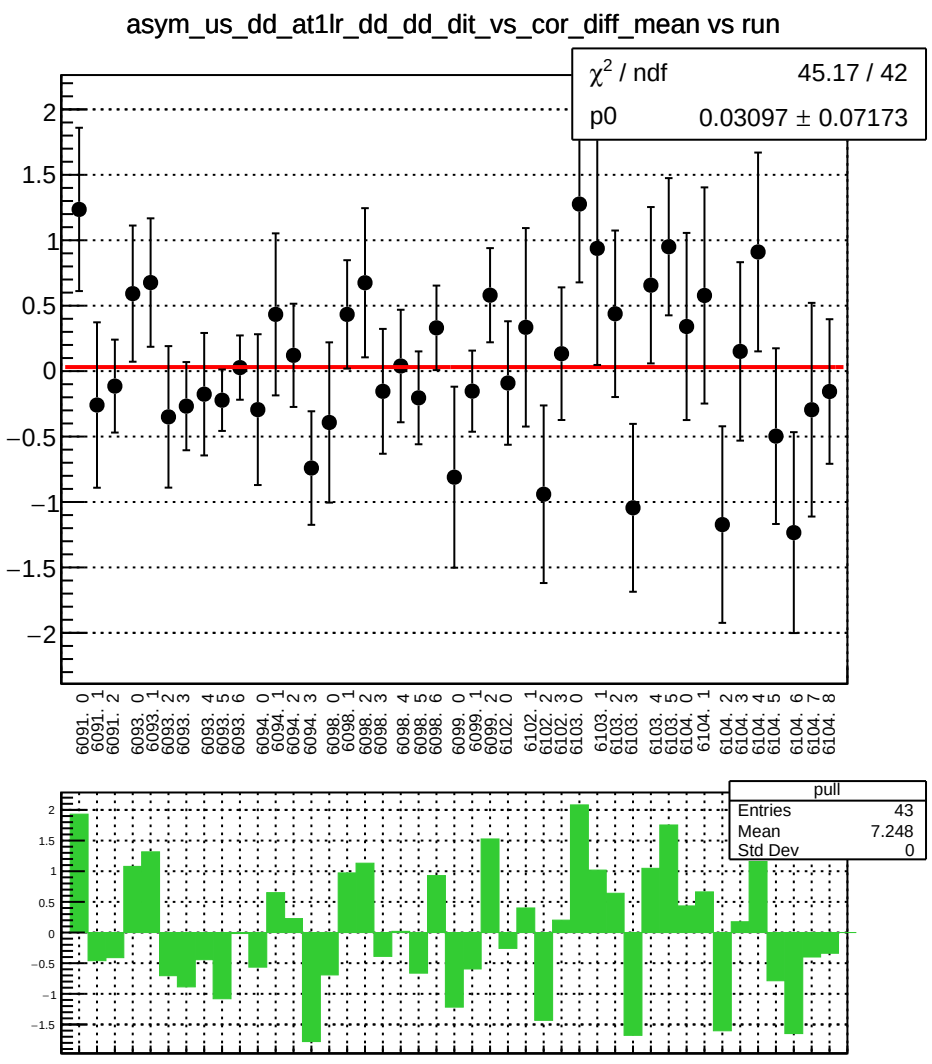

asym_us_dd_at1lr_dd_dd_mean vs run
χ² / ndf 46.77 / 42
p0 −3257 ± 3400
×10³
100
50
0
−50
−100
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean −106.5
Std Dev 0
3
2
1
0
−1
−2

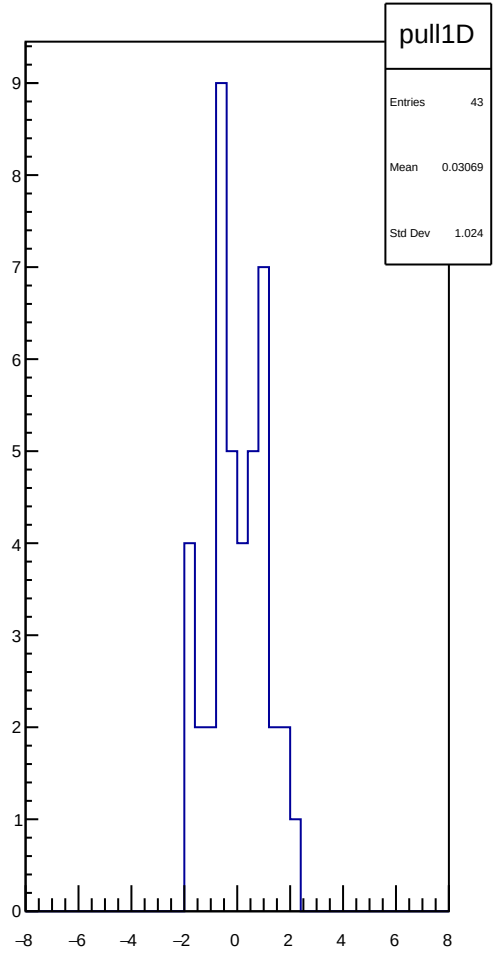

pull1D
Entries 43
Mean −0.008672
Std Dev 1.043
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

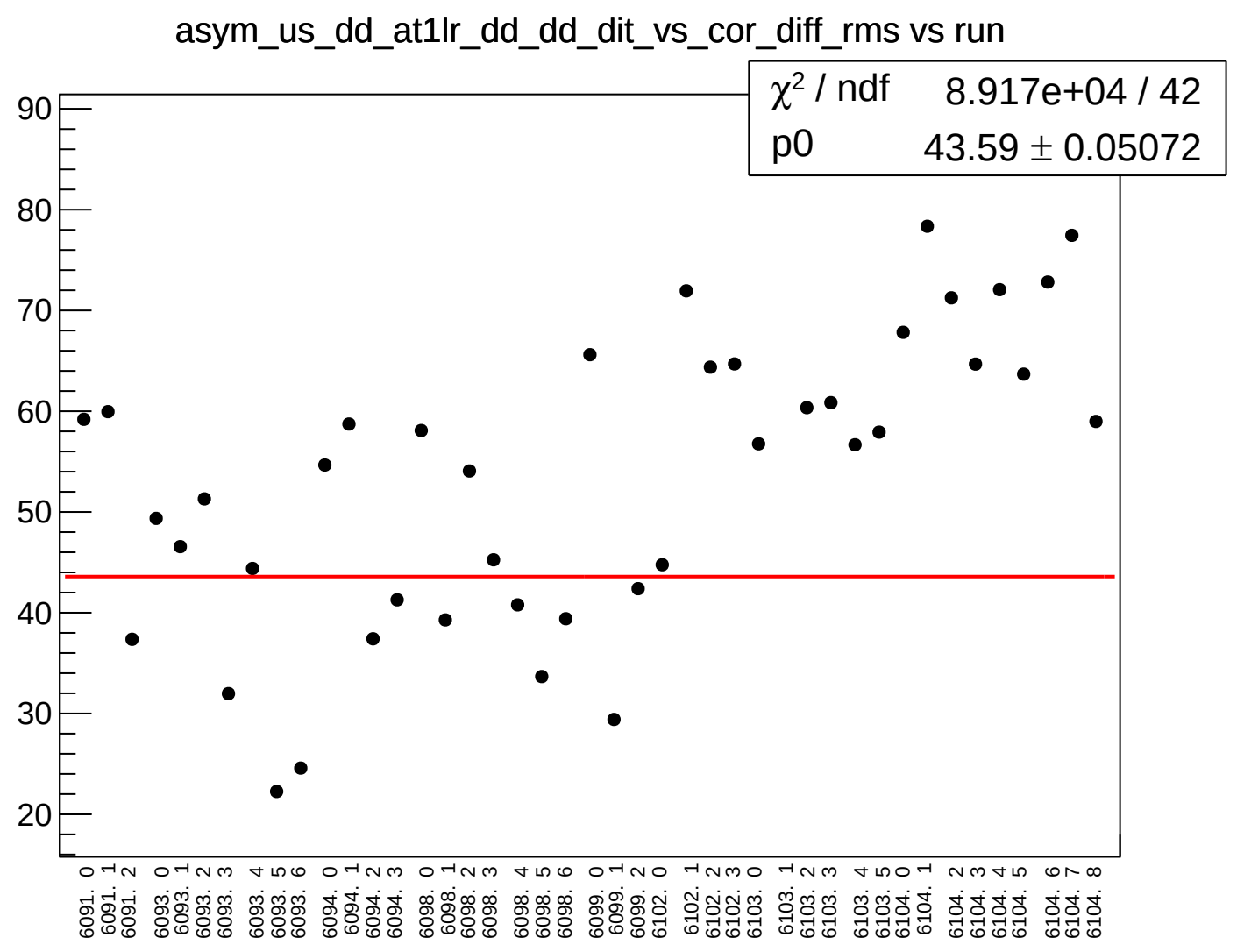

asym_us_dd_at1lr_dd_dd_rms vs run
χ² / ndf 396.2 / 42
p0 2187 ± 2.404
2300
2250
2200
2150
2100
2050
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

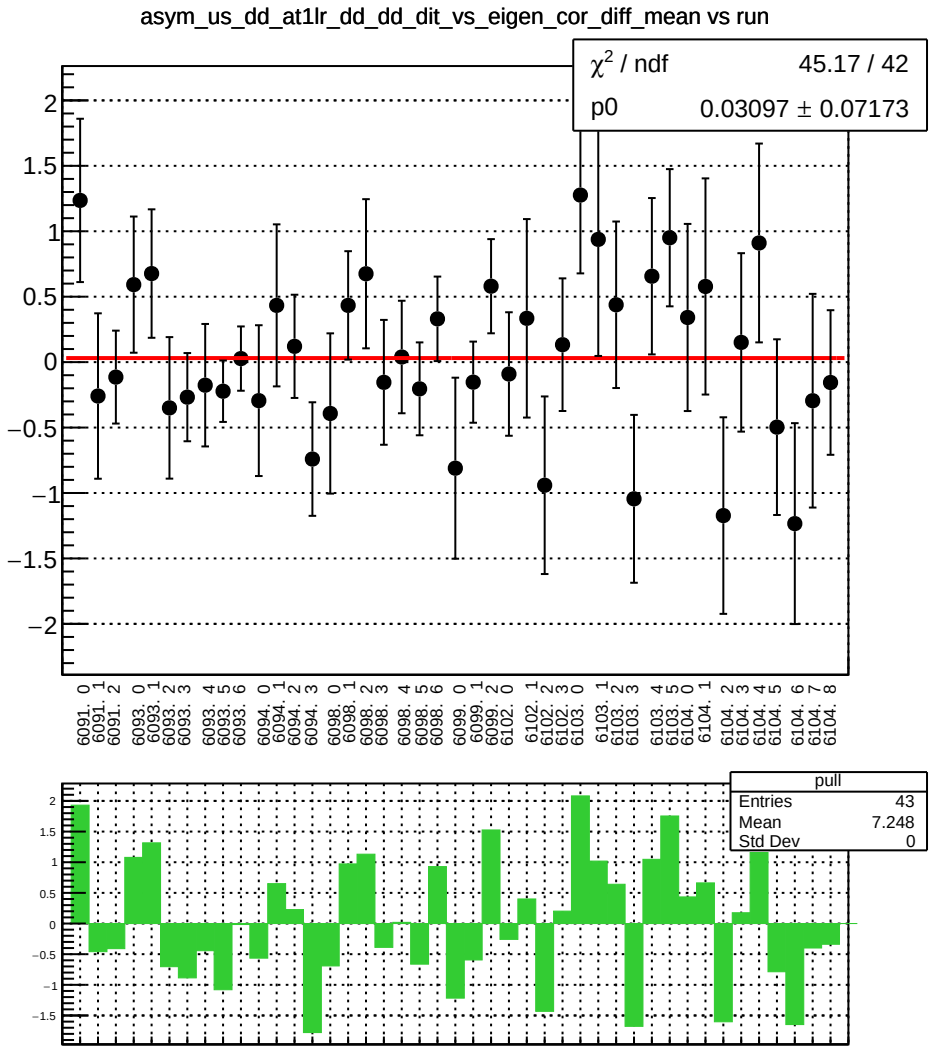

asym_us_dd_at1lr_dd_dd_reg_vs_cor_diff_mean vs run
χ² / ndf 35.18 / 42
p0 −6.484e−14 ± 1.126e−13
0.03
0.02
0.01
0
−0.01
−0.02
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 10.77
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 43
Mean 0.1219
Std Dev 0.8963
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

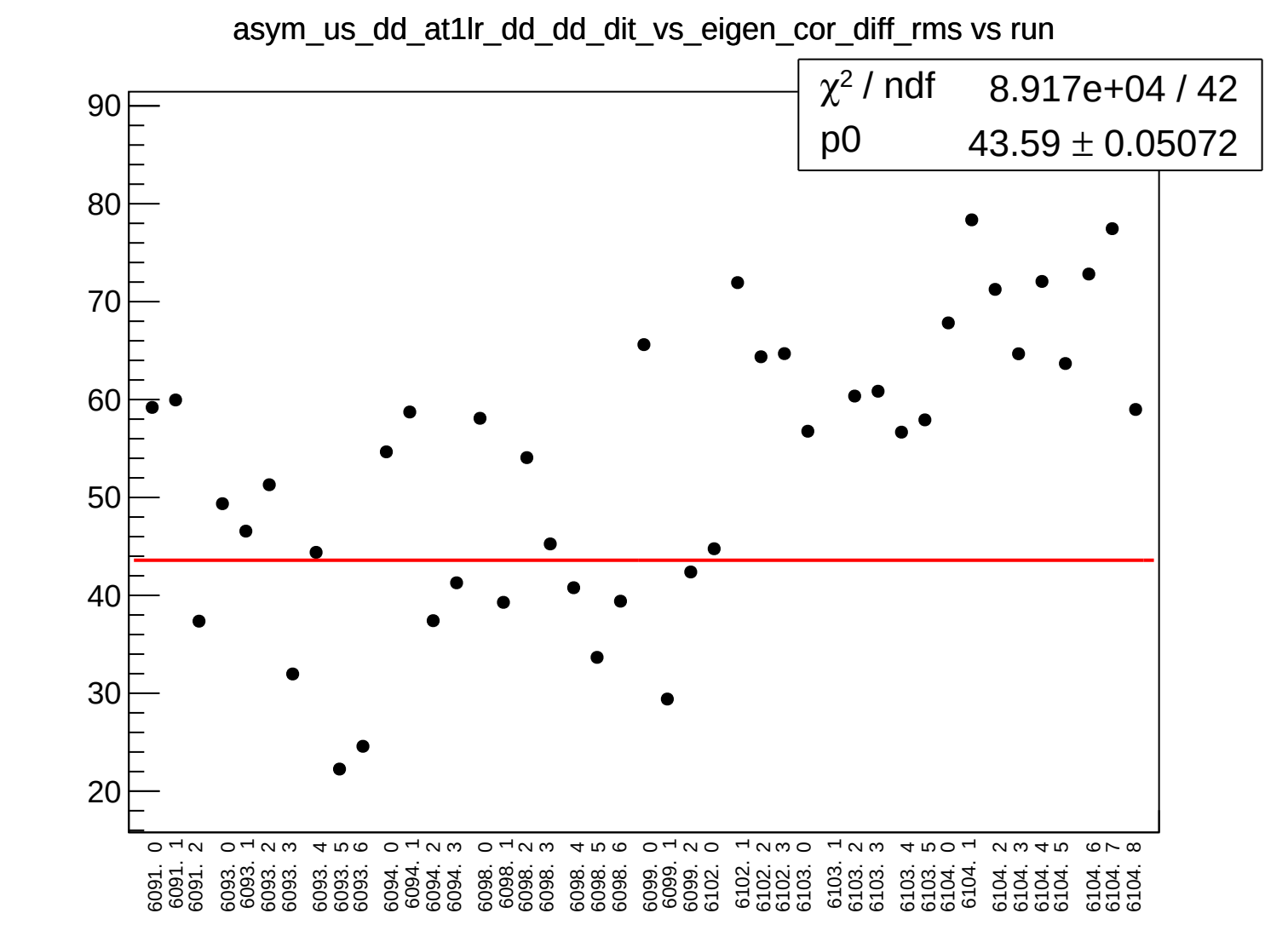

asym_us_dd_at1lr_dd_dd_reg_vs_cor_diff_rms vs run
χ² / ndf 5.716e+05 / 42
p0 4.03e−11 ± 7.963e−14
1.4
1.2
1
0.8
0.6
0.4
0.2
0
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

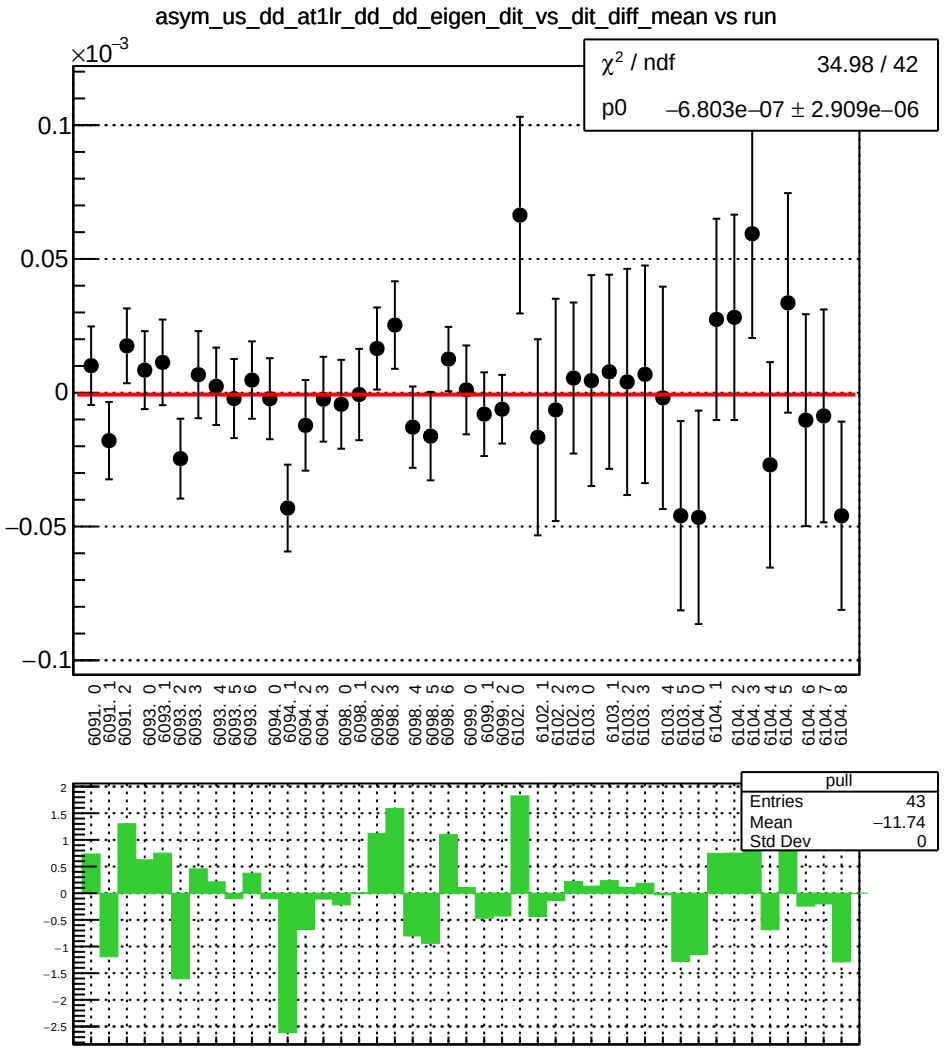

asym_us_dd_at1lr_dd_dd_dit_vs_cor_diff_mean vs run
χ² / ndf 45.17 / 42
p0 0.03097 ± 0.07173
pull
Entries 43
Mean 7.248
Std Dev 0

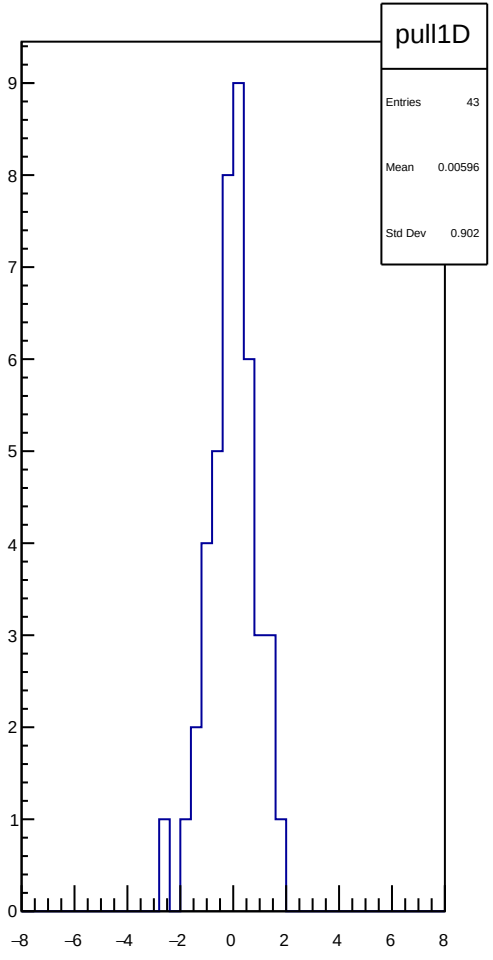

pull1D
Entries 43
Mean 0.03069
Std Dev 1.024

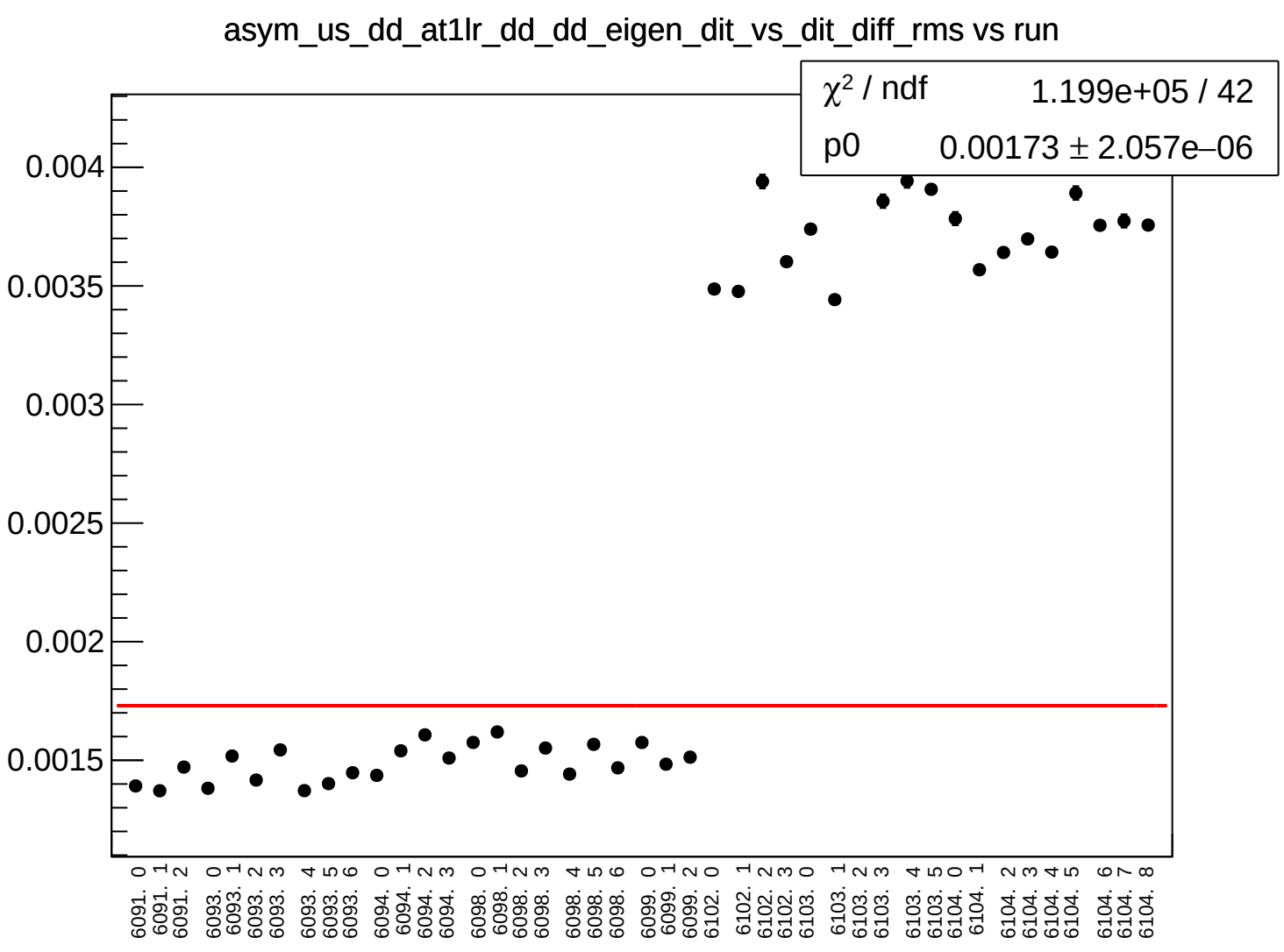

asym_us_dd_at1lr_dd_dd_dit_vs_cor_diff_rms vs run
χ² / ndf 8.917e+04 / 42
p0 43.59 ± 0.05072
90
80
70
60
50
40
30
20
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

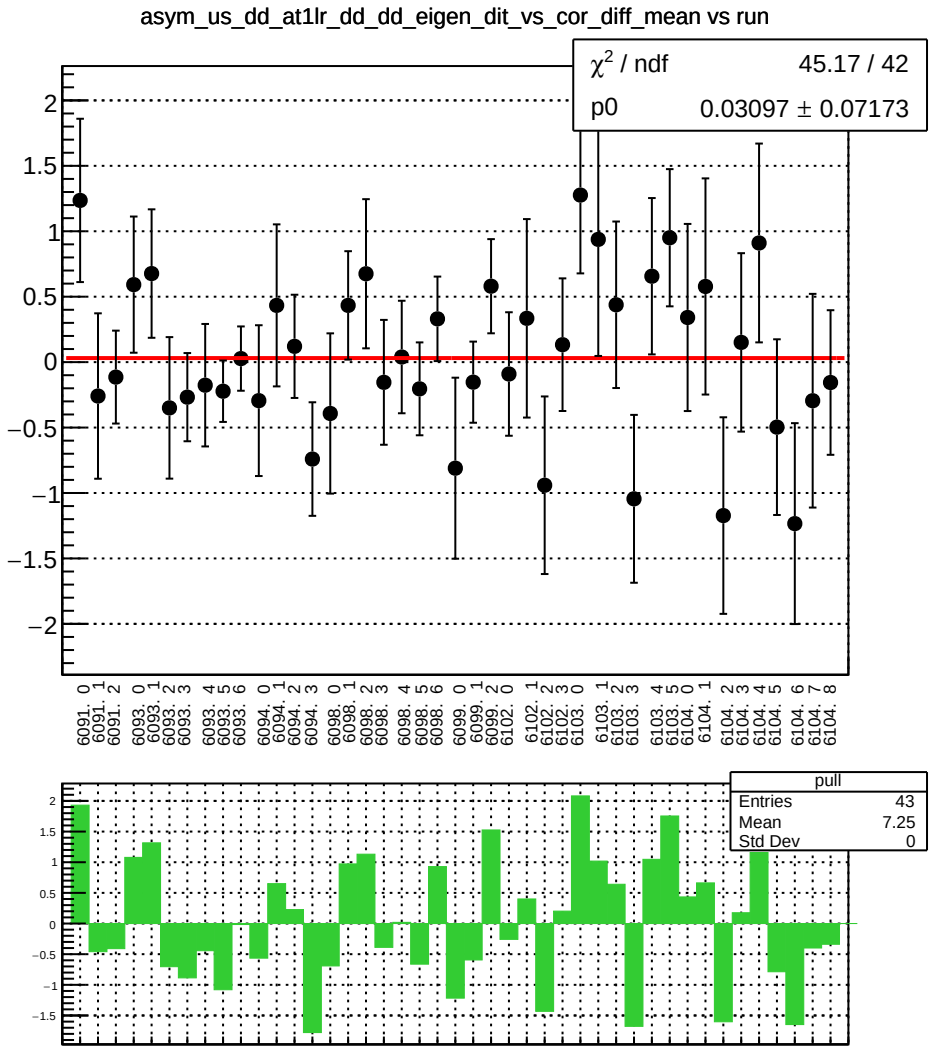

asym_us_dd_at1lr_dd_dd_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 45.17 / 42
p0 0.03097 ± 0.07173
pull
Entries 43
Mean 7.248
Std Dev 0
pull1D
Entries 43
Mean 0.03069
Std Dev 1.024

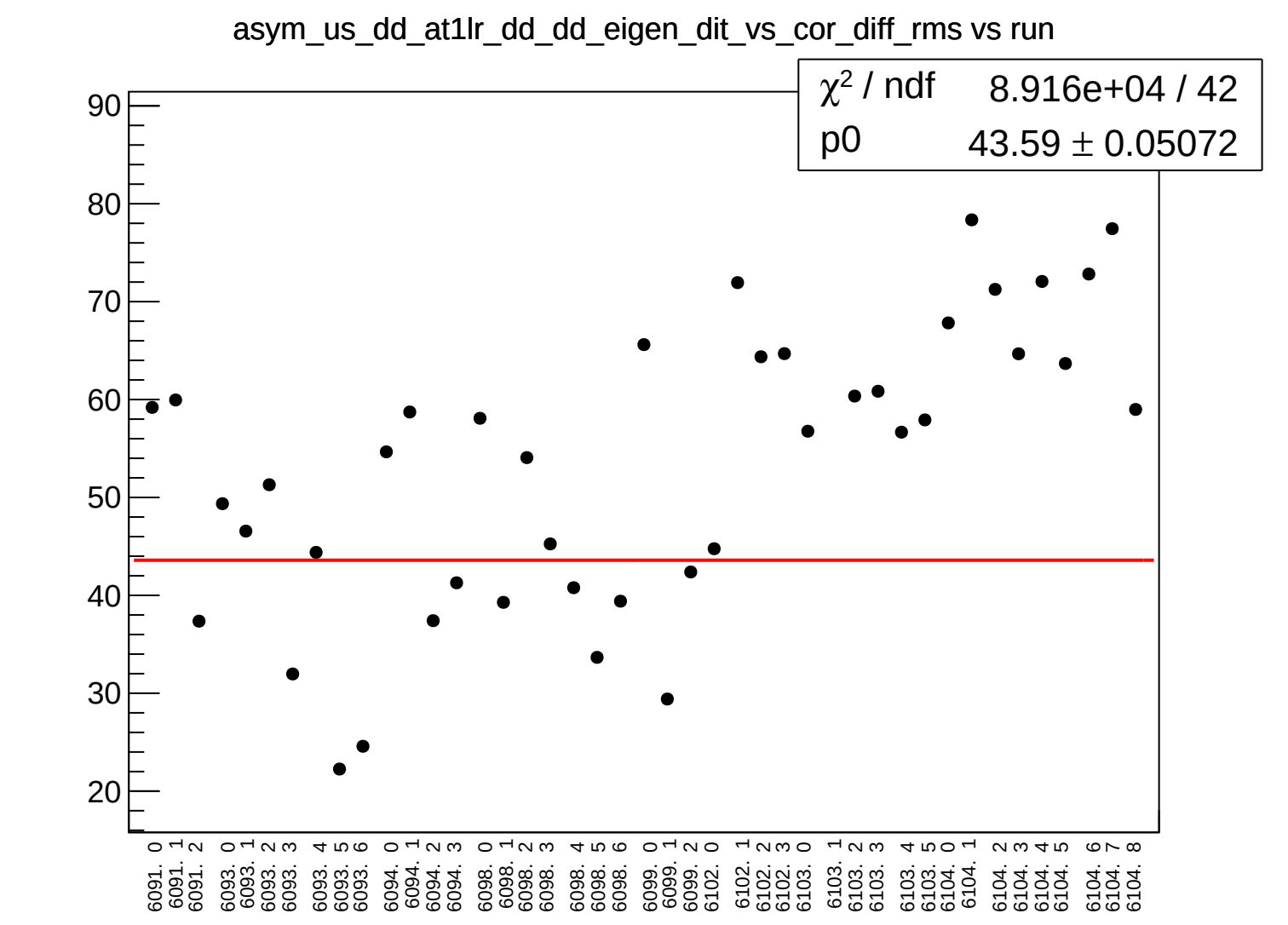

asym_us_dd_at1lr_dd_dd_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 8.917e+04 / 42
p0 43.59 ± 0.05072
90
80
70
60
50
40
30
20
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

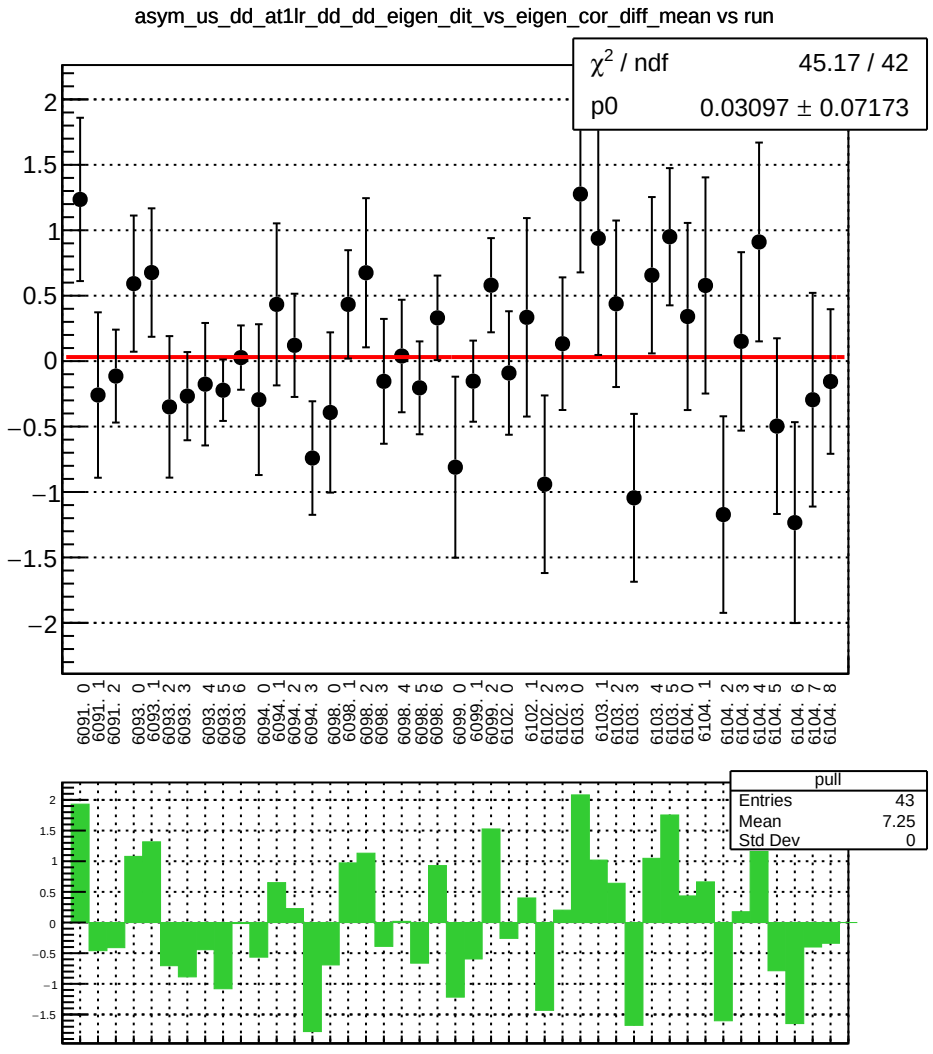

asym_us_dd_at1lr_dd_dd_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 34.98 / 42
p0 −6.803e−07 ± 2.909e−06
0.1
0.05
0
−0.05
−0.1
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean −11.74
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

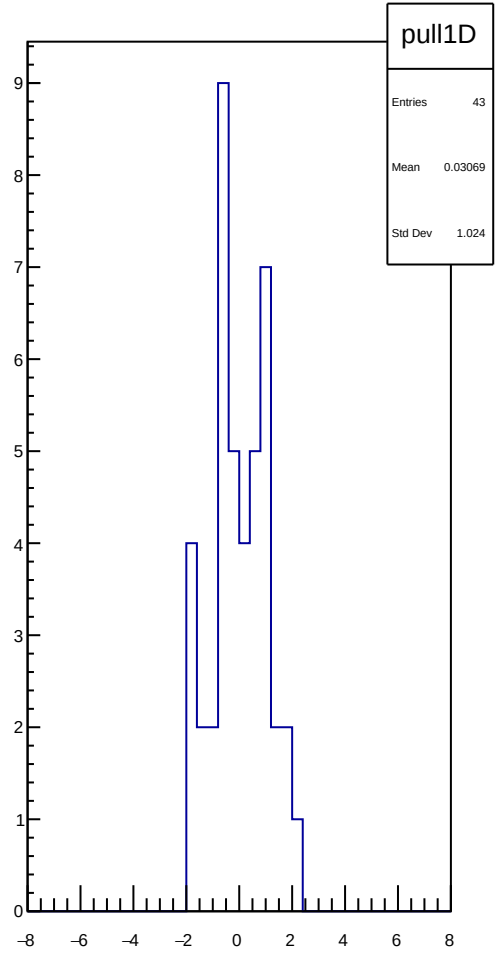

pull1D
Entries 43
Mean 0.00596
Std Dev 0.902
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

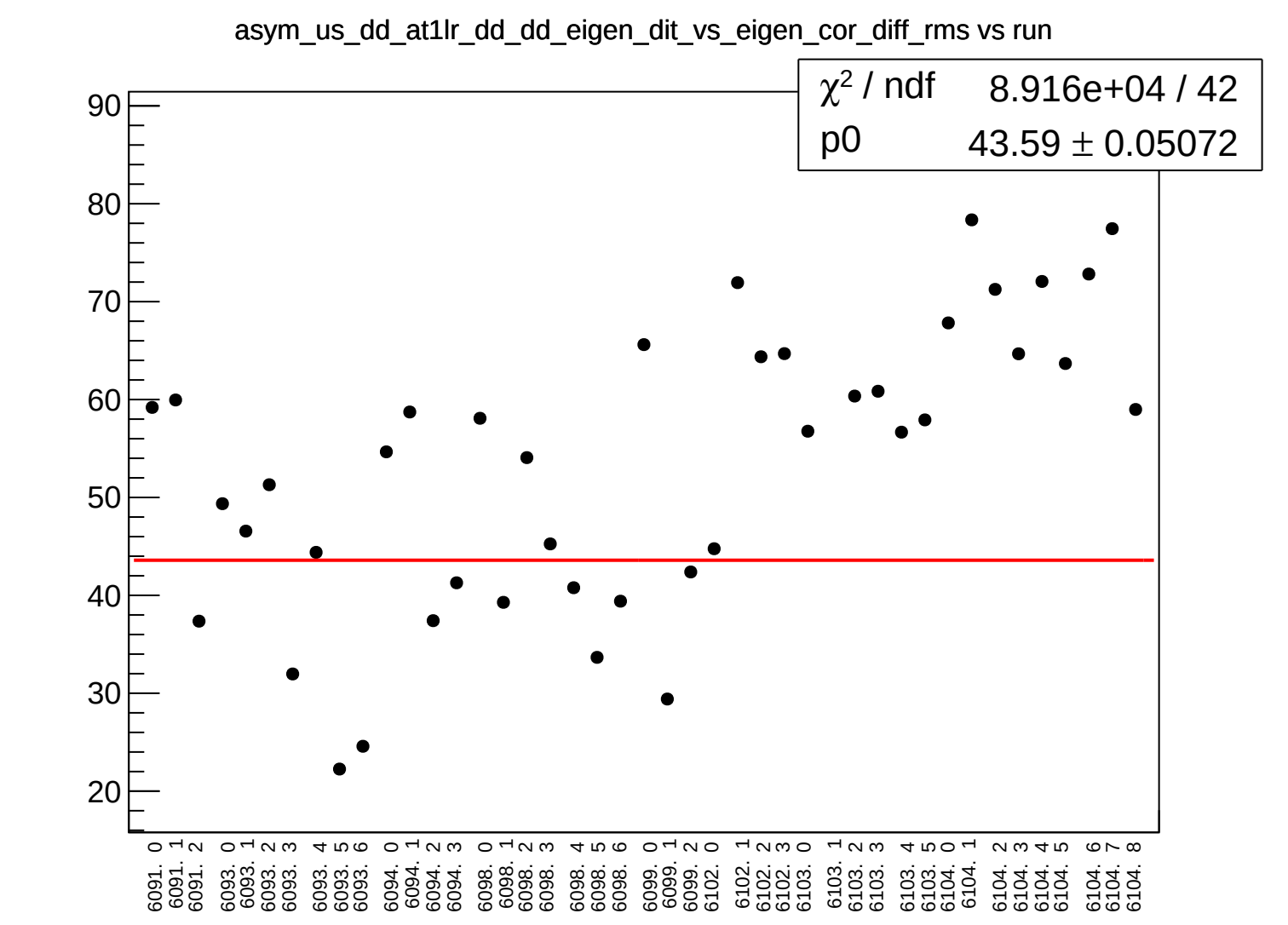

asym_us_dd_at1lr_dd_dd_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 1.199e+05 / 42
p0 0.00173 ± 2.057e−06
0.004
0.0035
0.003
0.0025
0.002
0.0015
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

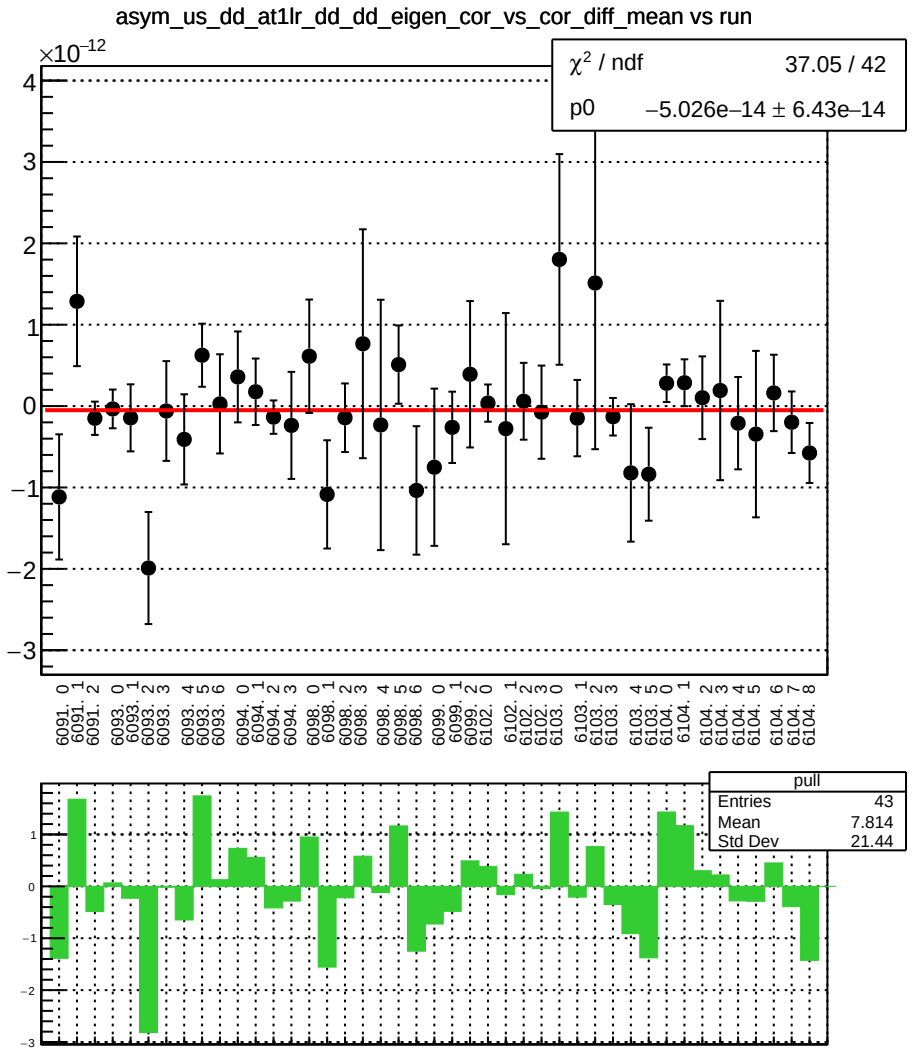

asym_us_dd_at1lr_dd_dd_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 45.17 / 42
p0 0.03097 ± 0.07173
pull
Entries 43
Mean 7.25
Std Dev 0
pull1D
Entries 43
Mean 0.03069
Std Dev 1.024

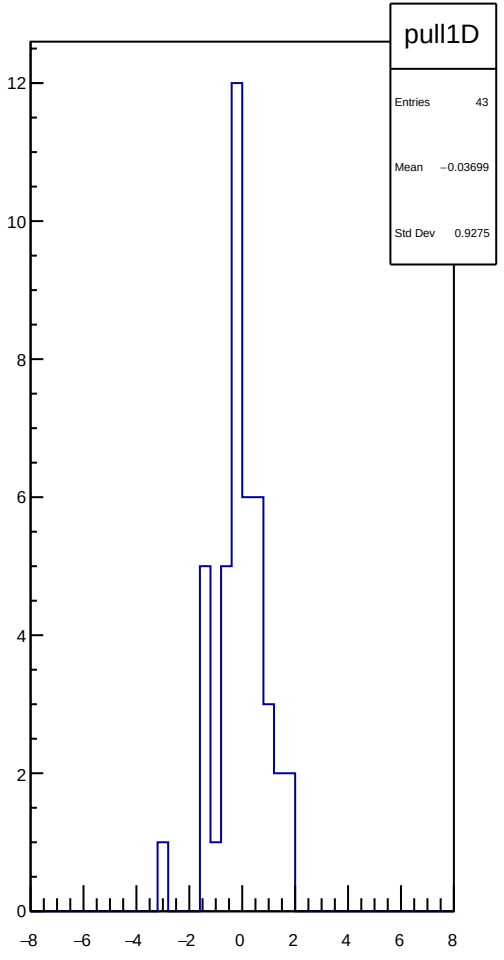

asym_us_dd_at1lr_dd_dd_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 8.916e+04 / 42
p0 43.59 ± 0.05072
90
80
70
60
50
40
30
20
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

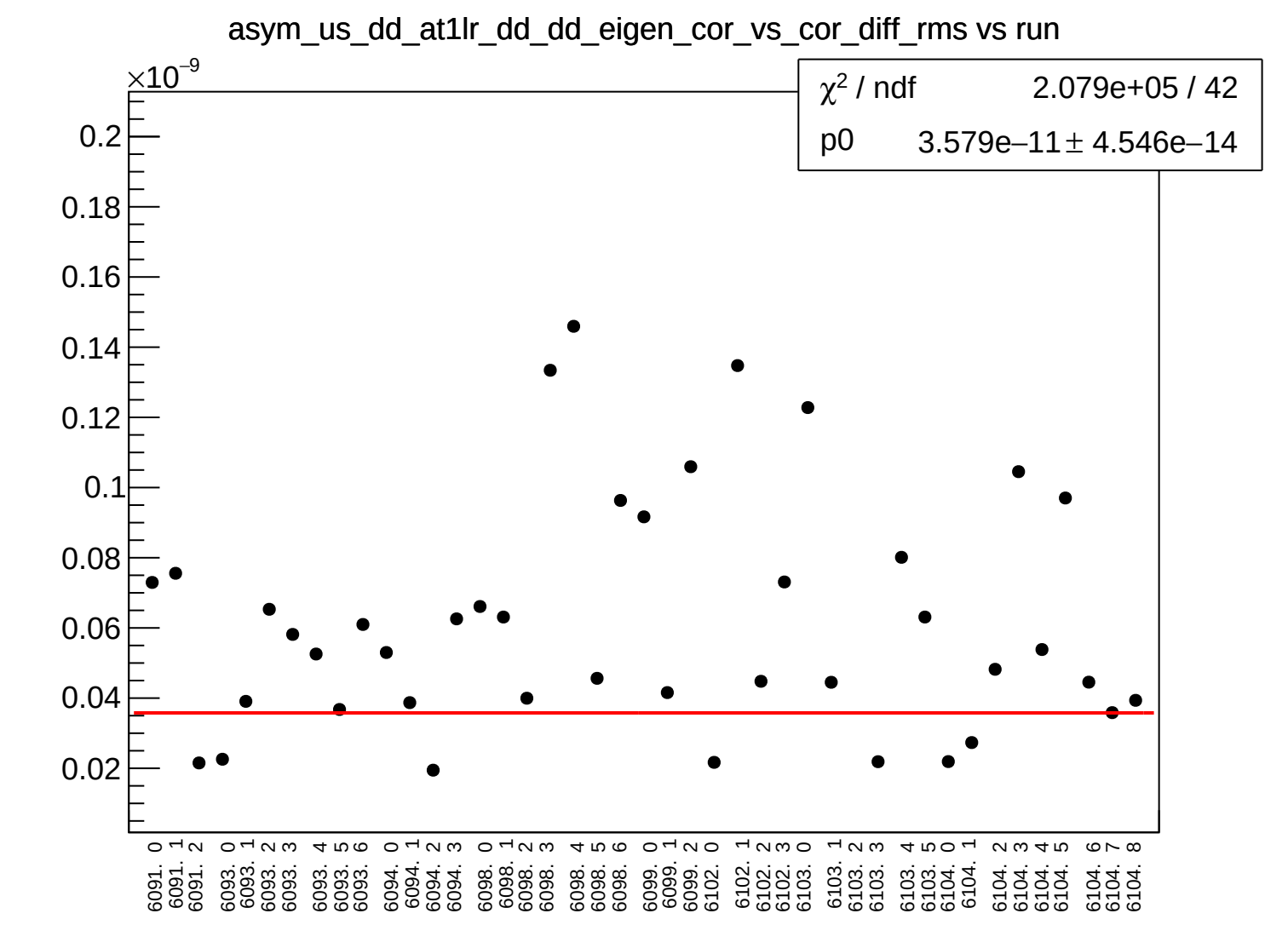

asym_us_dd_at1lr_dd_dd_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 45.17 / 42
p0 0.03097 ± 0.07173
pull
Entries 43
Mean 7.25
Std Dev 0

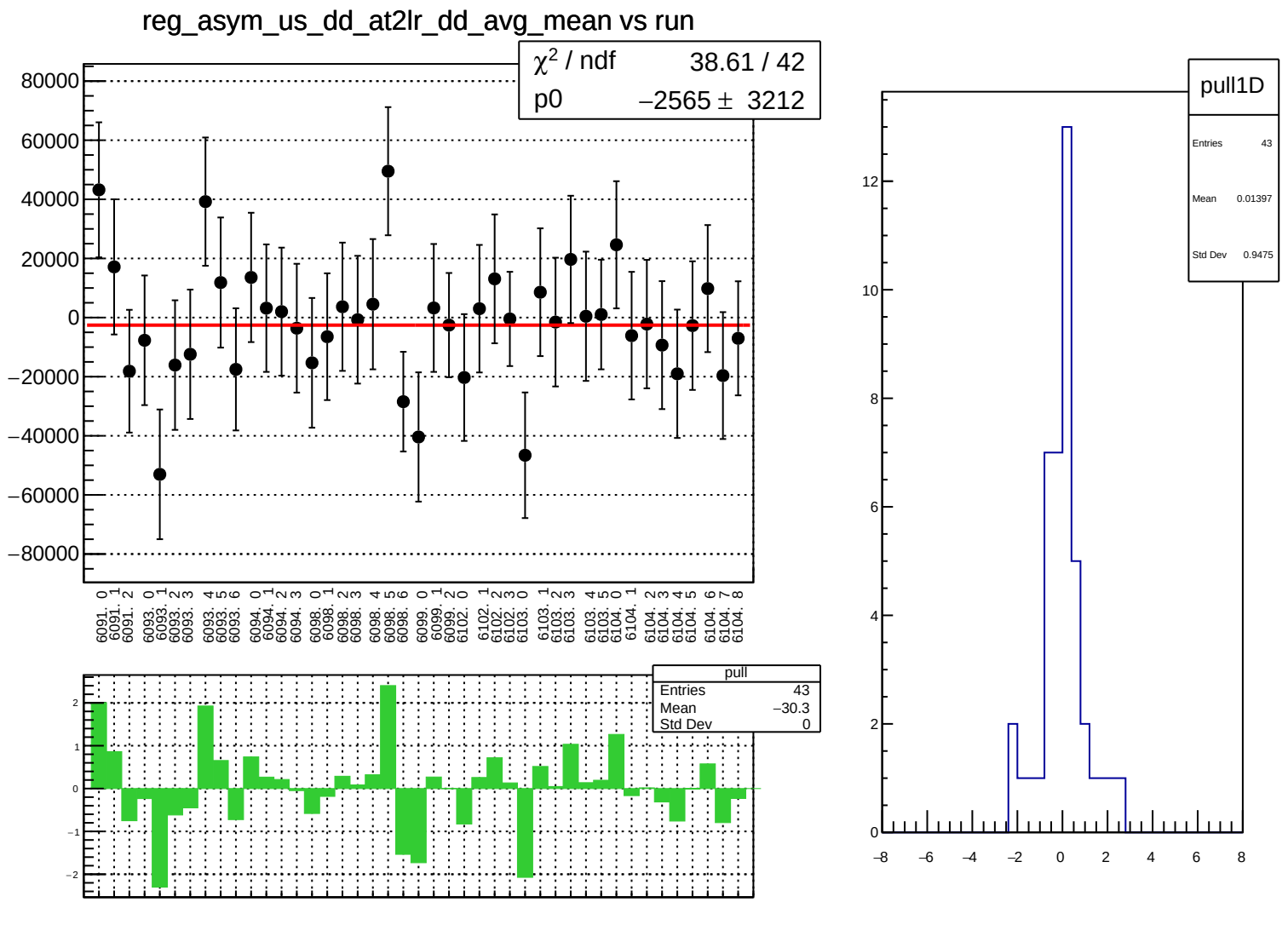

pull1D
Entries 43
Mean 0.03069
Std Dev 1.024

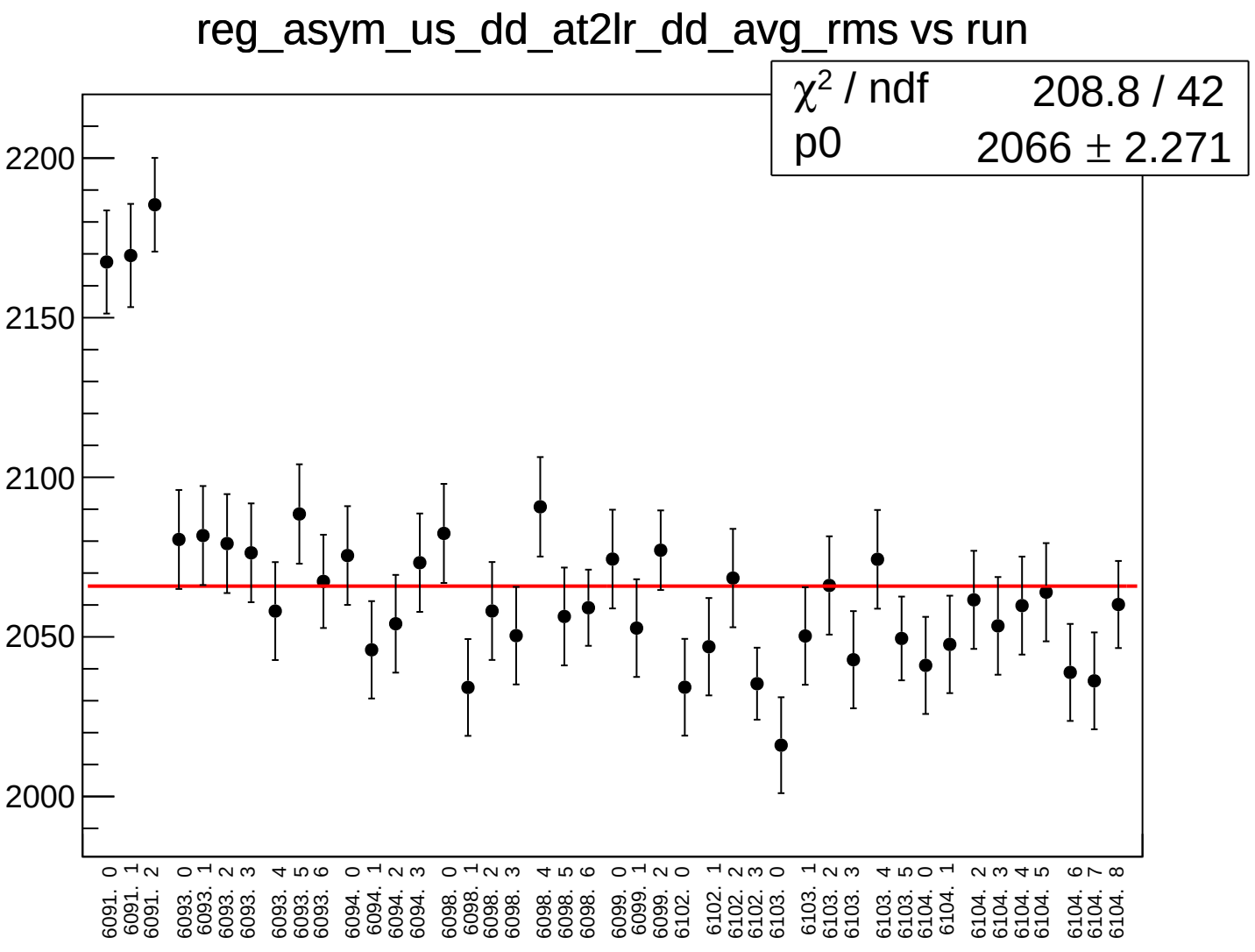

asym_us_dd_at1lr_dd_dd_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 8.916e+04 / 42
p0 43.59 ± 0.05072
90
80
70
60
50
40
30
20
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

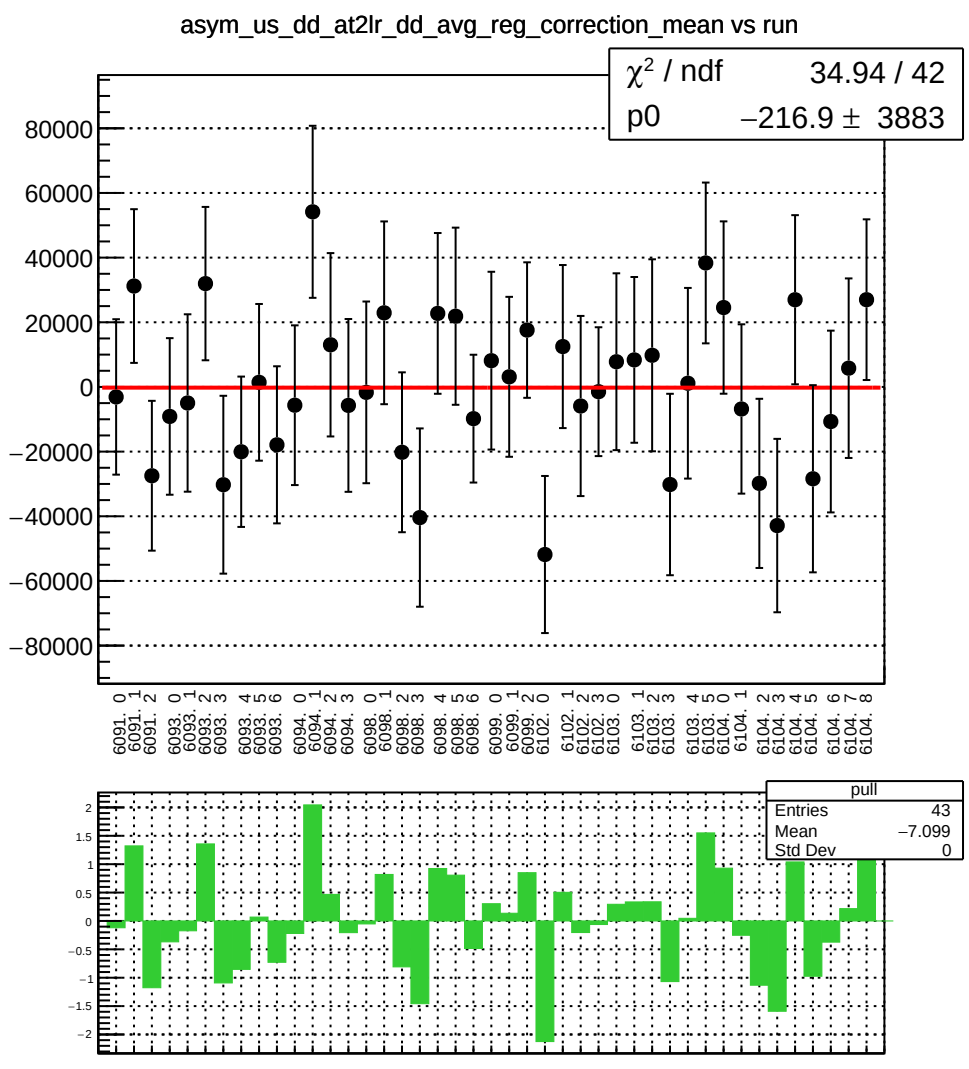

asym_us_dd_at1lr_dd_dd_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 37.05 / 42
p0 −5.026e−14 ± 6.43e−14
pull
Entries 43
Mean 7.814
Std Dev 21.44

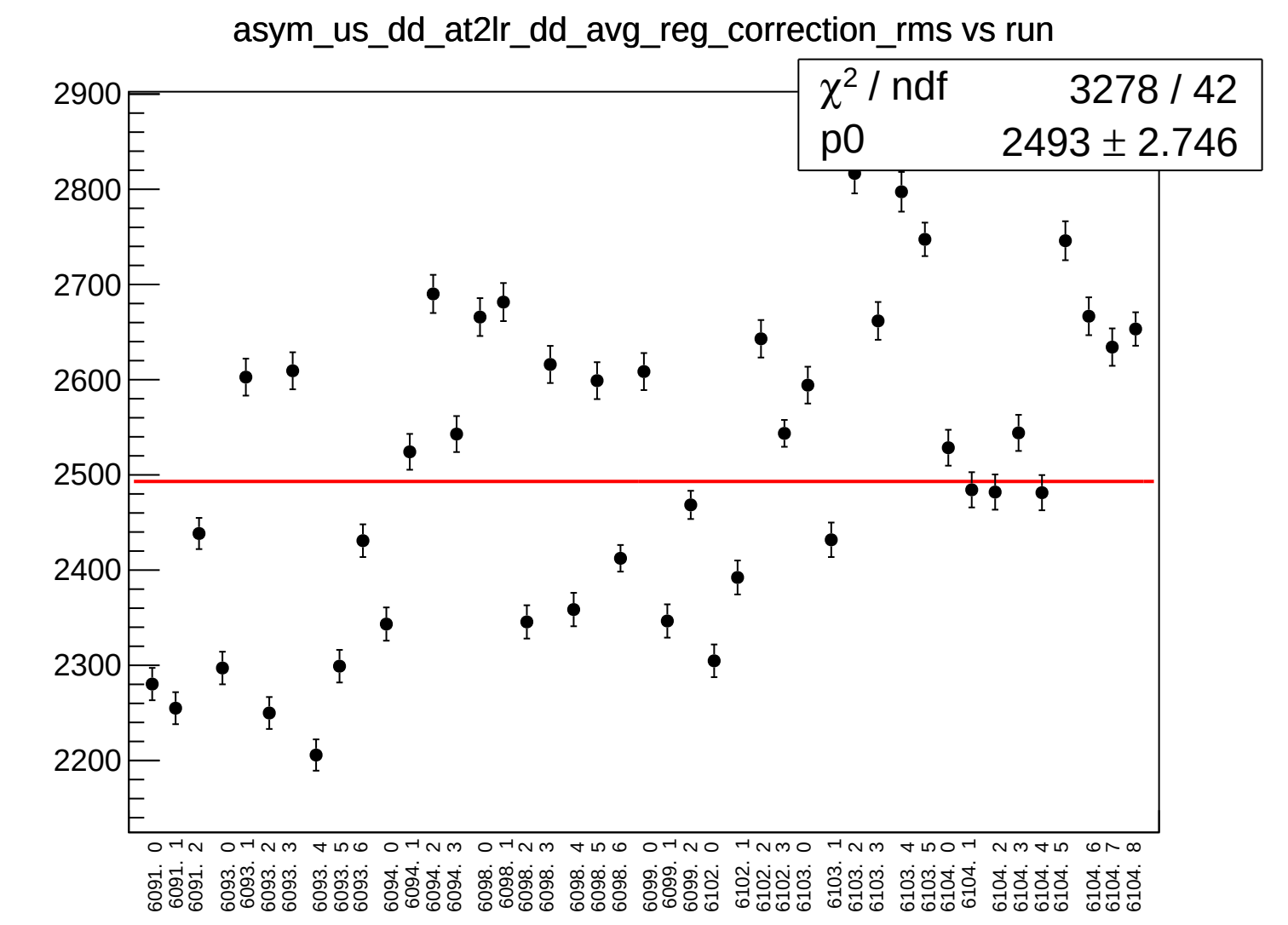

pull1D
Entries 43
Mean −0.03699
Std Dev 0.9275

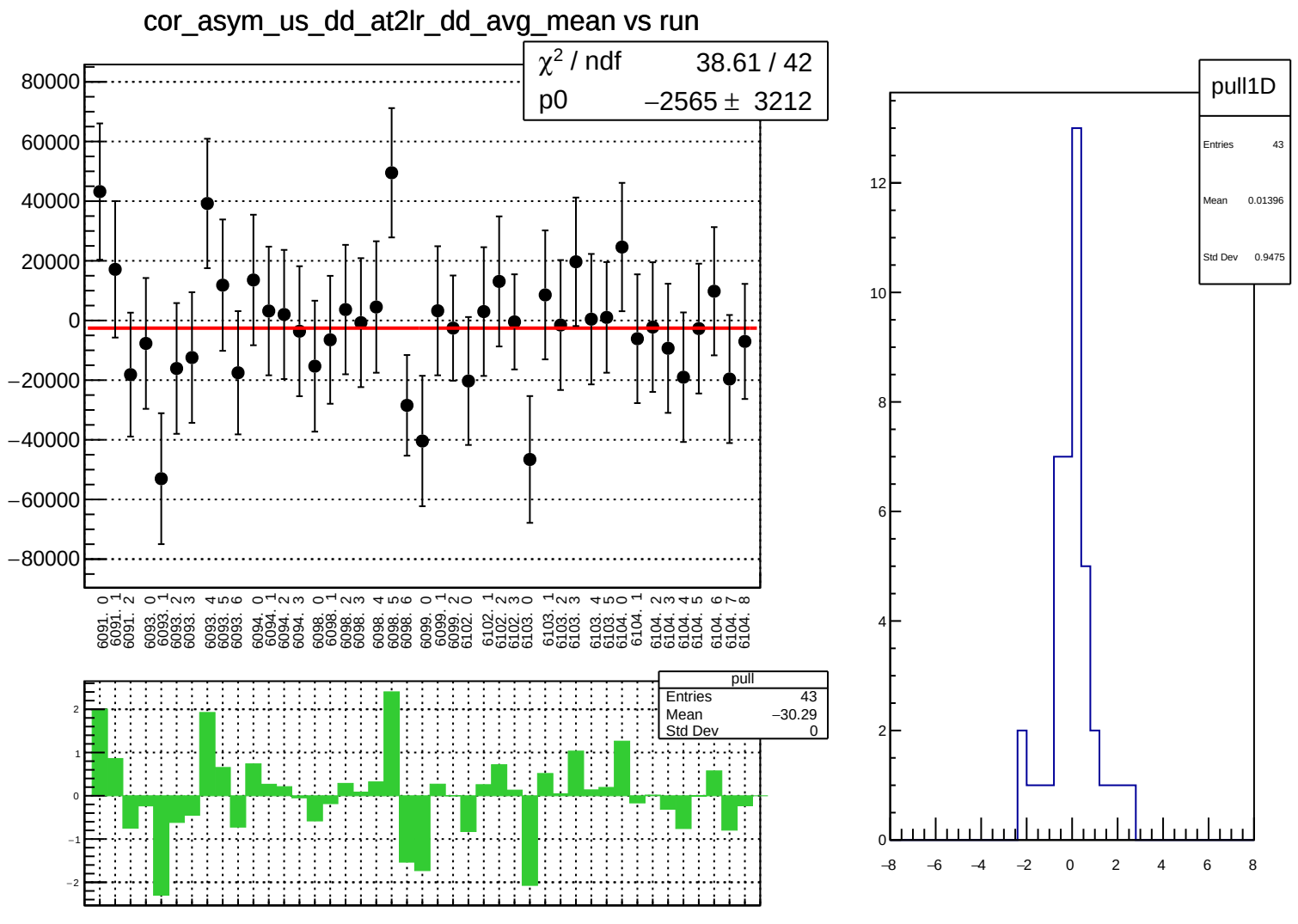

asym_us_dd_at1lr_dd_dd_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 2.079e+05 / 42
p0 3.579e−11 ± 4.546e−14
0.2
0.18
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

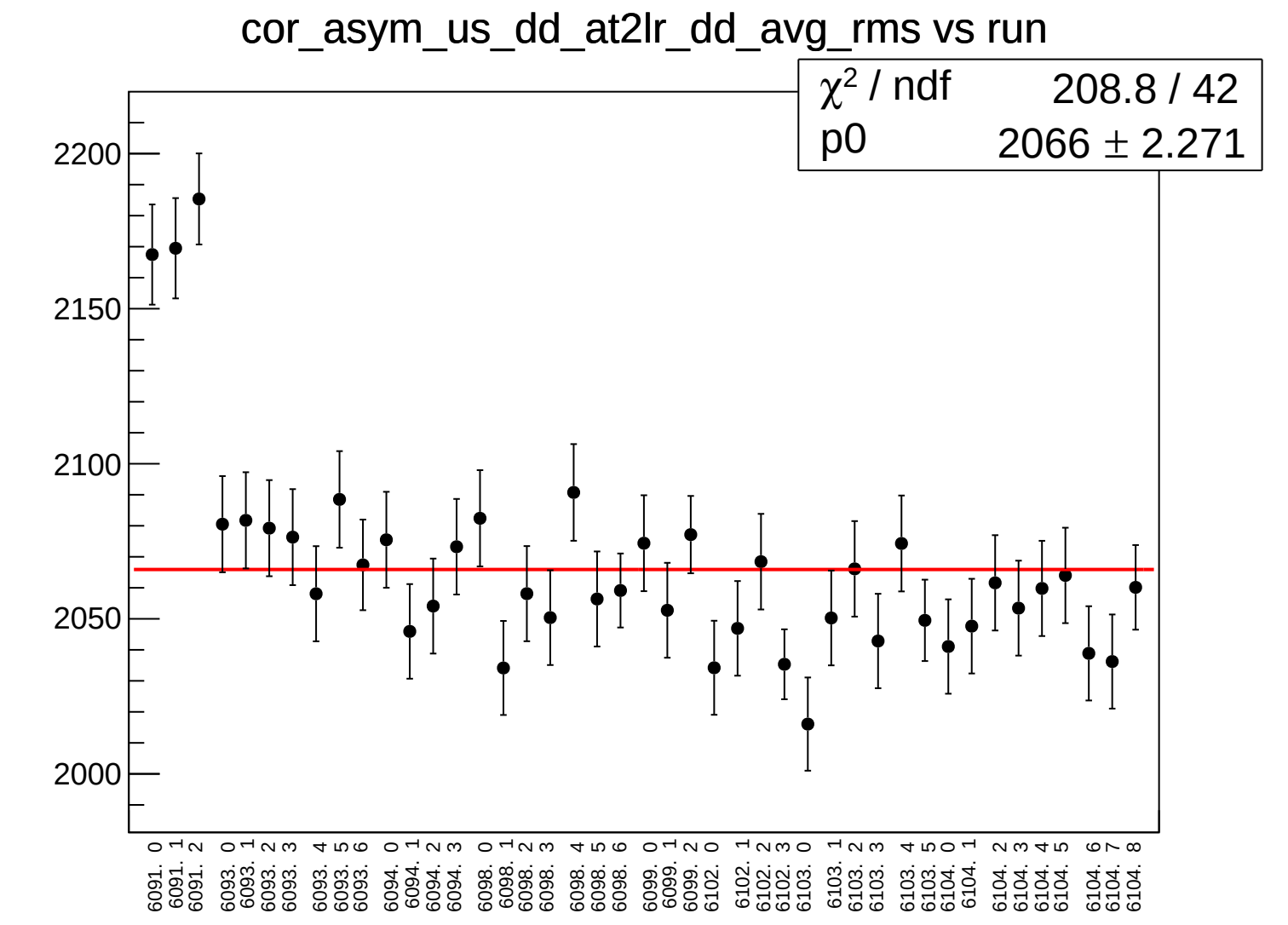

reg_asym_us_dd_at2lr_dd_avg_mean vs run
χ² / ndf 38.61 / 42
p0 −2565 ± 3212
pull
Entries 43
Mean −30.3
Std Dev 0
pull1D
Entries 43
Mean 0.01397
Std Dev 0.9475

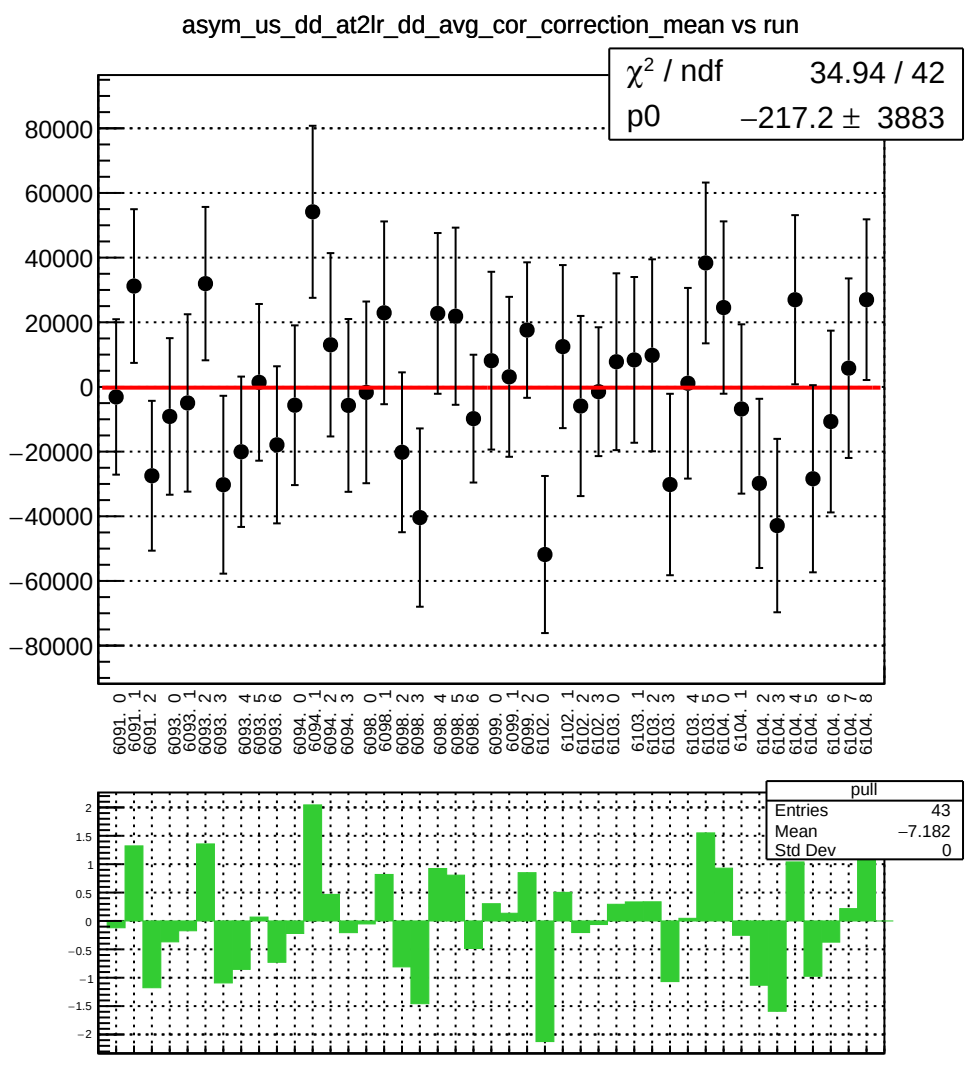

reg_asym_us_dd_at2lr_dd_avg_rms vs run
χ² / ndf 208.8 / 42
p0 2066 ± 2.271
2200
2150
2100
2050
2000
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

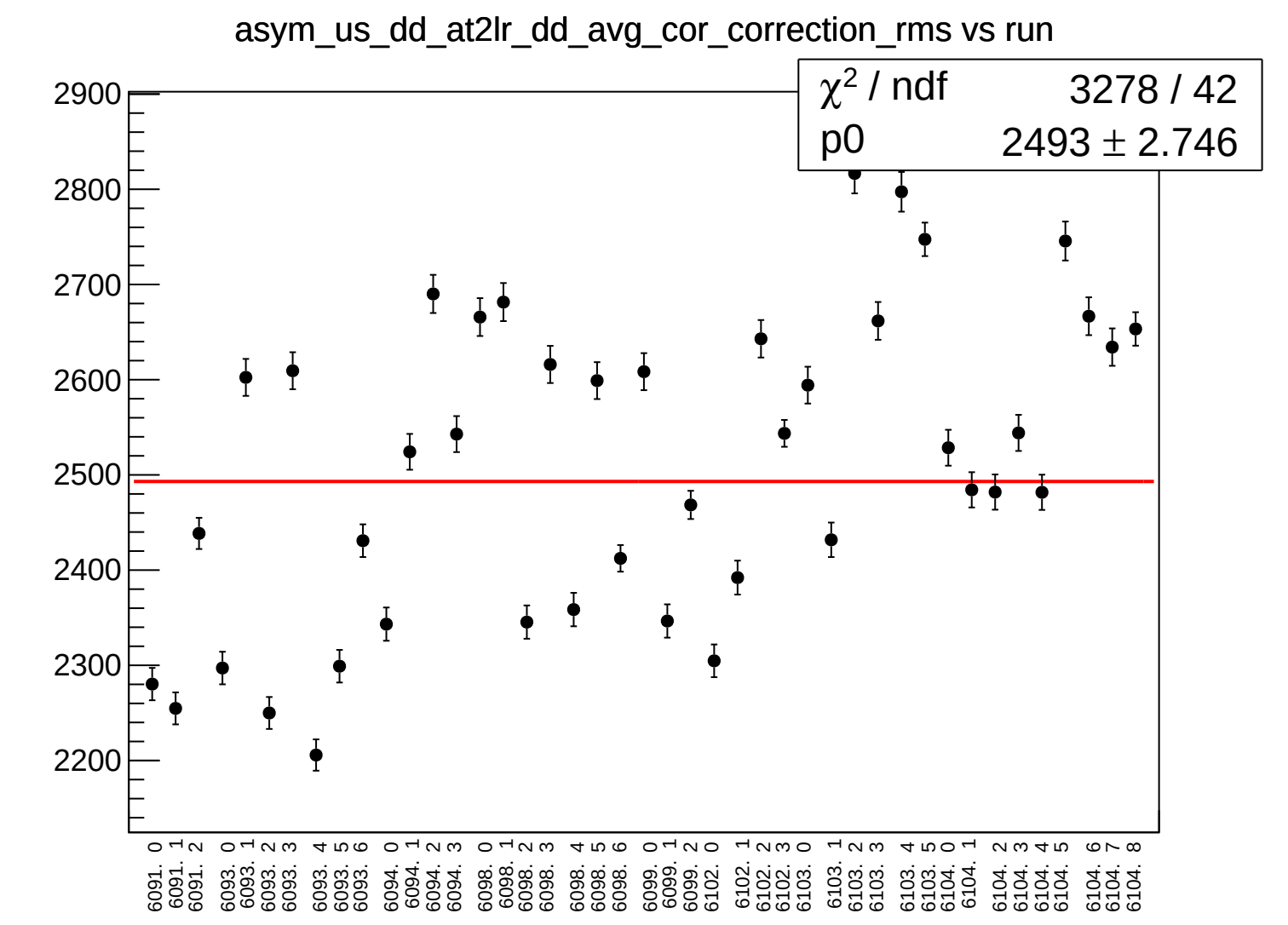

asym_us_dd_at2lr_dd_avg_reg_correction_mean vs run
χ² / ndf 34.94 / 42
p0 −216.9 ± 3883
80000
60000
40000
20000
0
−20000
−40000
−60000
−80000
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean −7.099
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 43
Mean −0.001692
Std Dev 0.9014
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

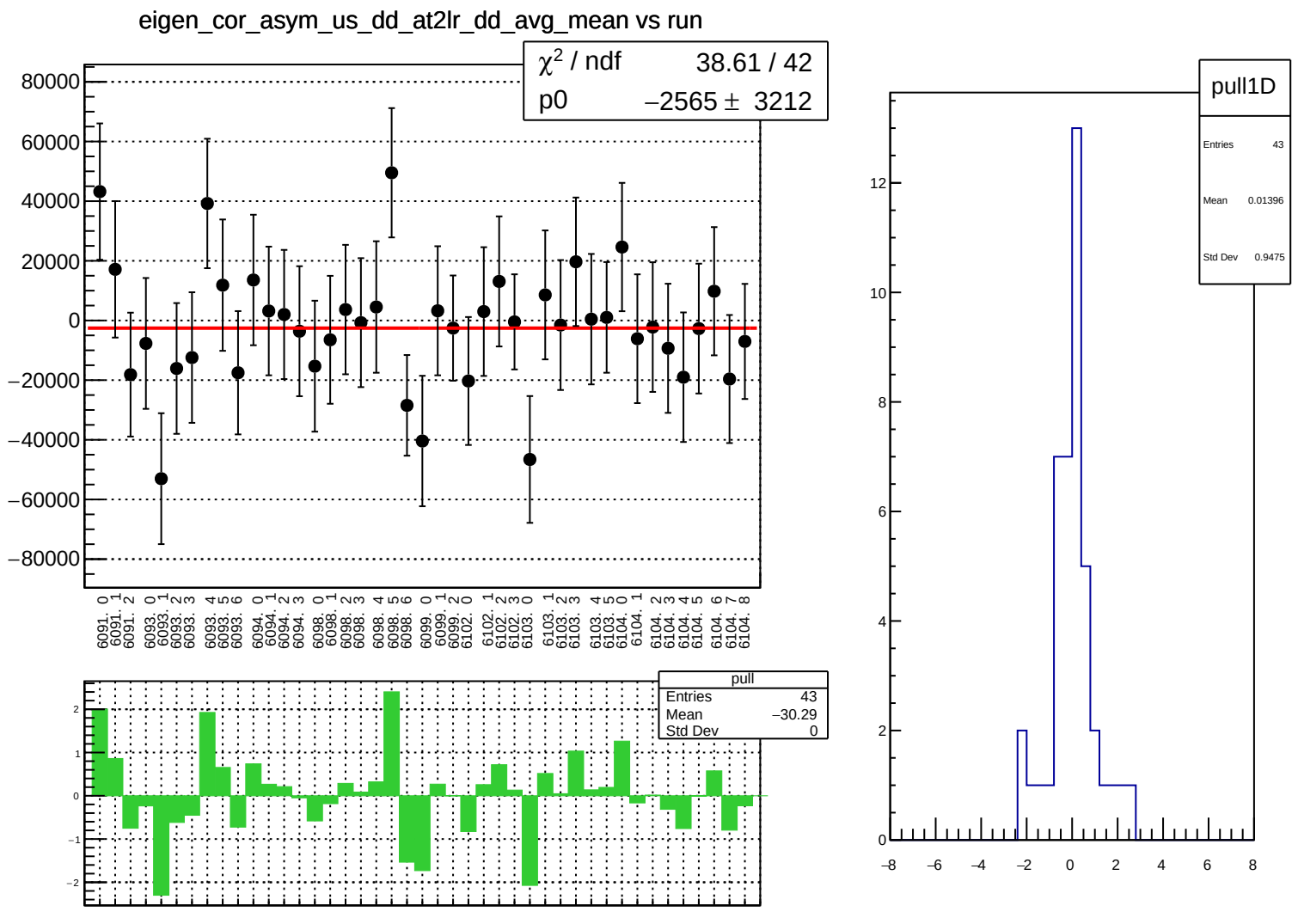

asym_us_dd_at2lr_dd_avg_reg_correction_rms vs run
χ² / ndf 3278 / 42
p0 2493 ± 2.746
2900
2800
2700
2600
2500
2400
2300
2200
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

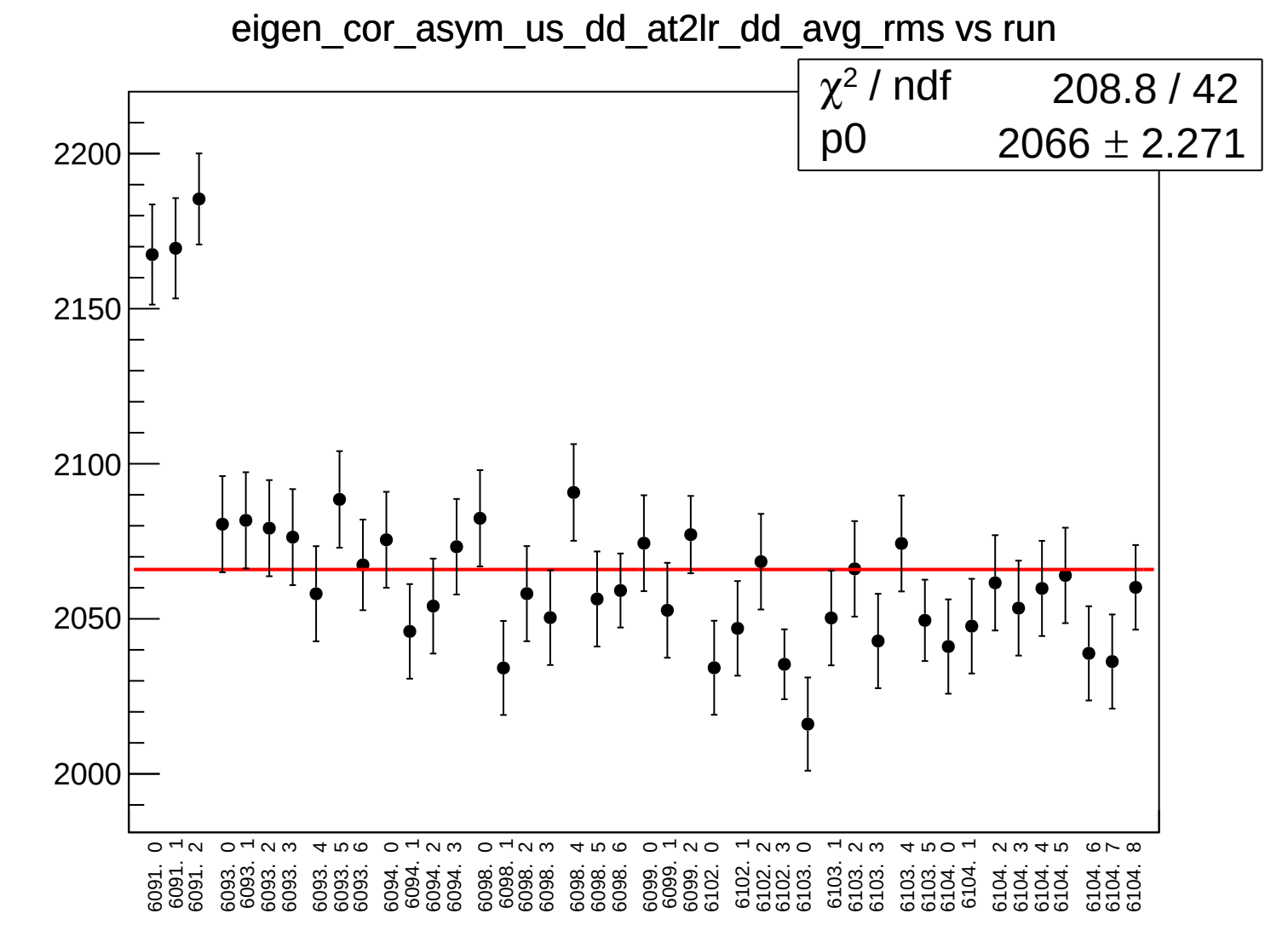

cor_asym_us_dd_at2lr_dd_avg_mean vs run
χ² / ndf 38.61 / 42
p0 −2565 ± 3212
80000
60000
40000
20000
0
−20000
−40000
−60000
−80000
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean −30.29
Std Dev 0
2
1
0
−1
−2
pull1D
Entries 43
Mean 0.01396
Std Dev 0.9475
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

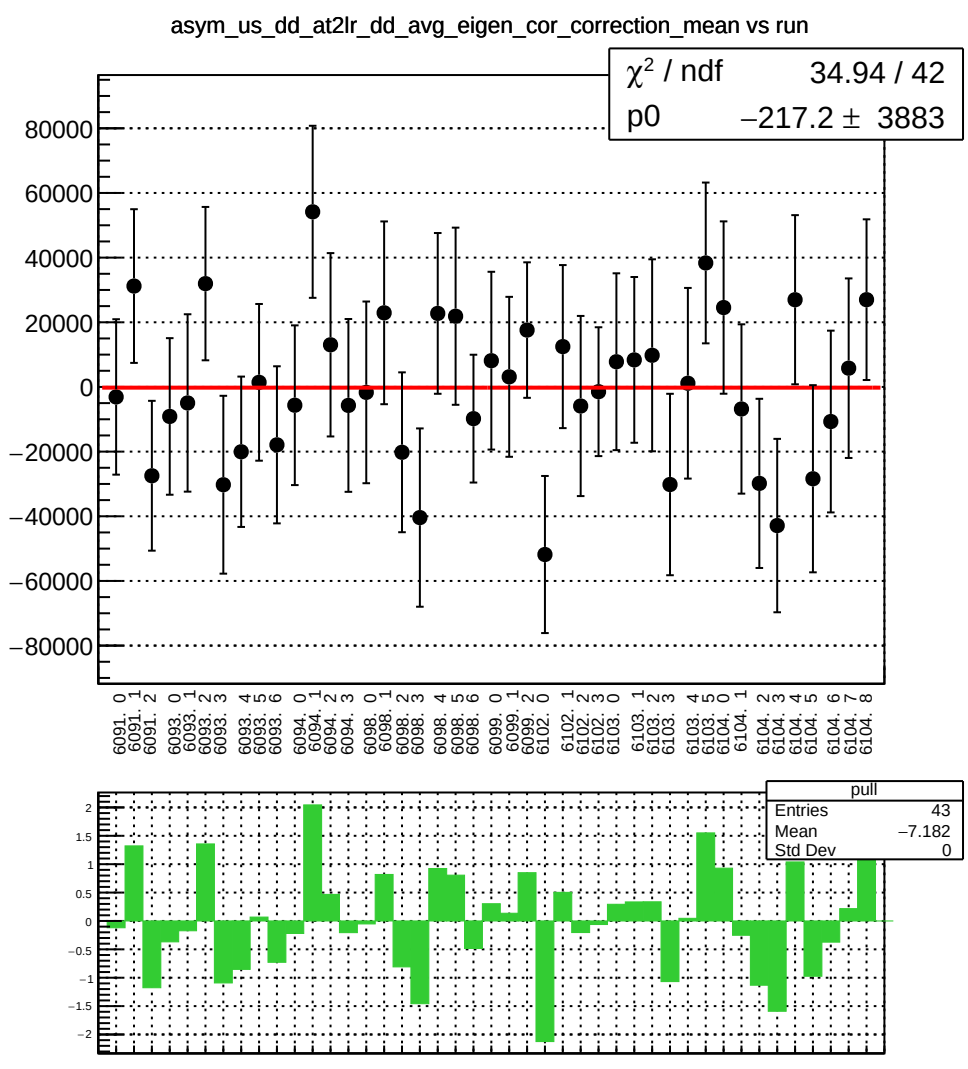

cor_asym_us_dd_at2lr_dd_avg_rms vs run
χ² / ndf 208.8 / 42
p0 2066 ± 2.271
2200
2150
2100
2050
2000
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

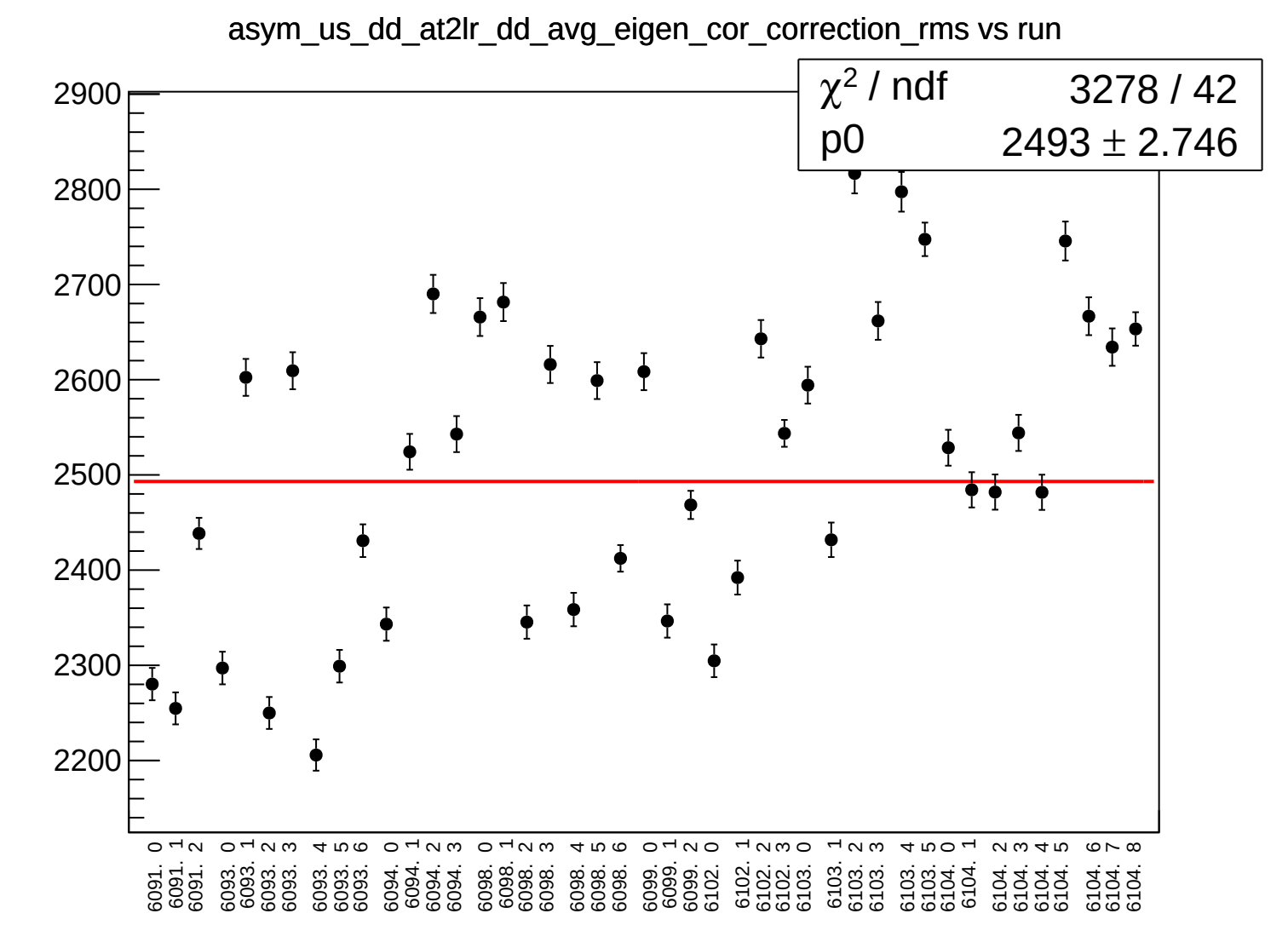

asym_us_dd_at2lr_dd_avg_cor_correction_mean vs run
χ² / ndf 34.94 / 42
p0 −217.2 ± 3883
80000
60000
40000
20000
0
−20000
−40000
−60000
−80000
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean −7.182
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 43
Mean −0.001687
Std Dev 0.9014
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

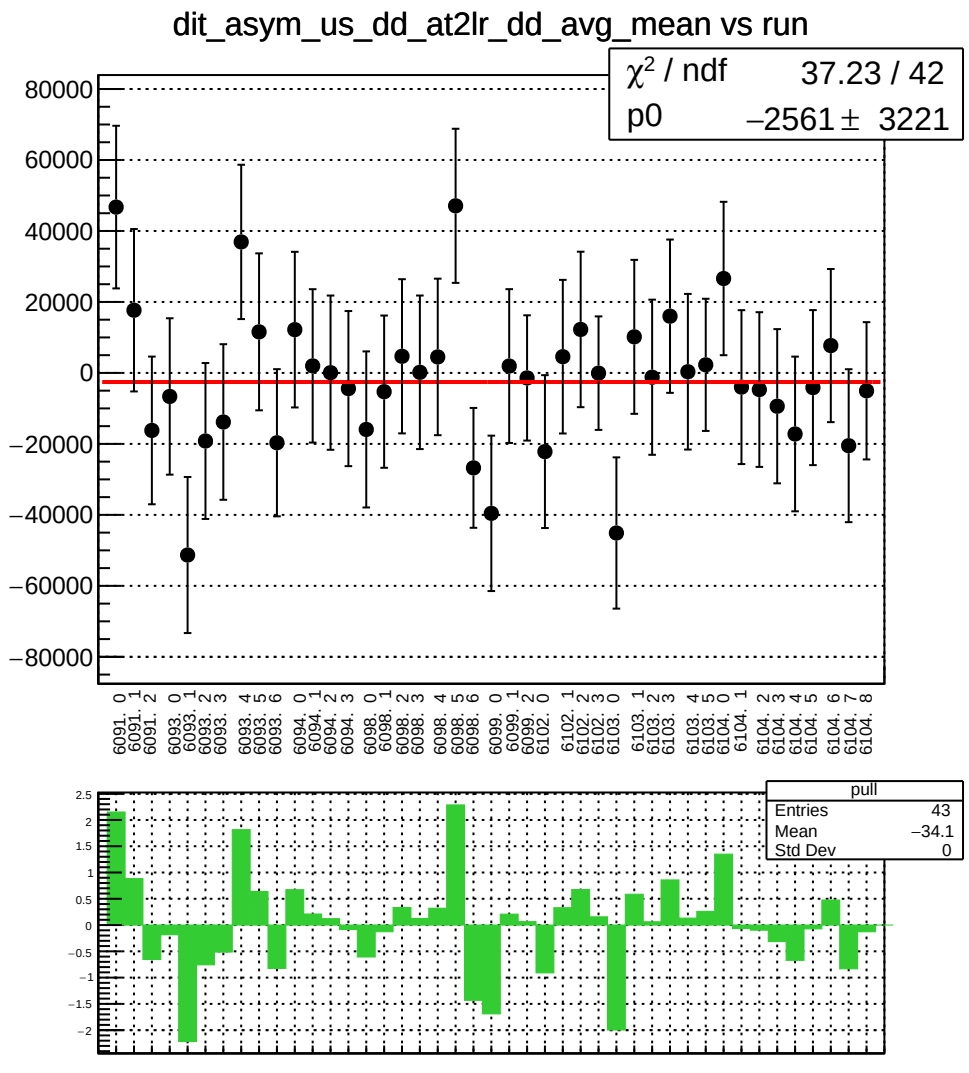

asym_us_dd_at2lr_dd_avg_cor_correction_rms vs run
χ² / ndf 3278 / 42
p0 2493 ± 2.746
2900
2800
2700
2600
2500
2400
2300
2200
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

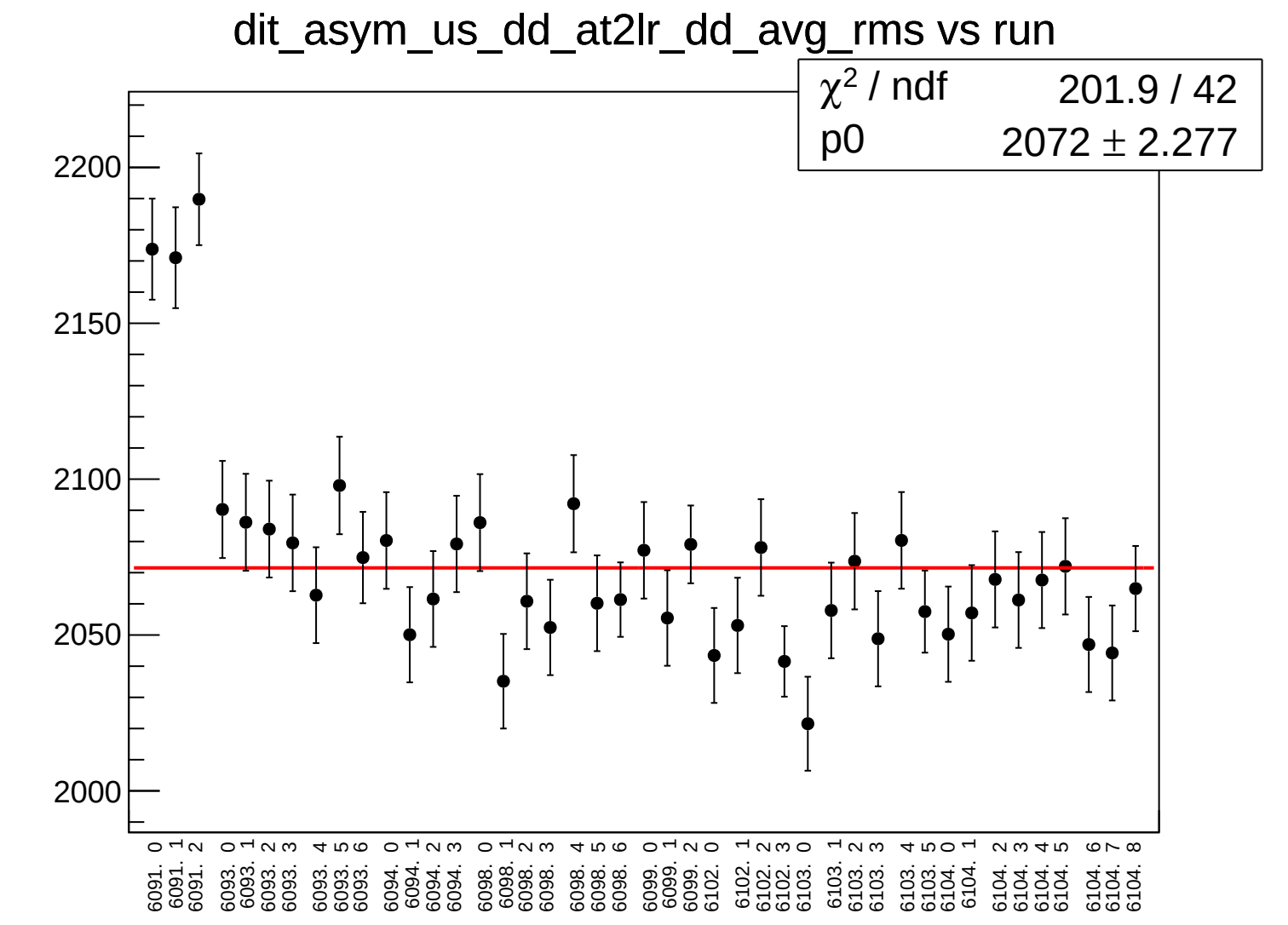

eigen_cor_asym_us_dd_at2lr_dd_avg_mean vs run
χ² / ndf 38.61 / 42
p0 −2565 ± 3212
80000
60000
40000
20000
0
−20000
−40000
−60000
−80000
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean −30.29
Std Dev 0
2
1
0
−1
−2
pull1D
Entries 43
Mean 0.01396
Std Dev 0.9475
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

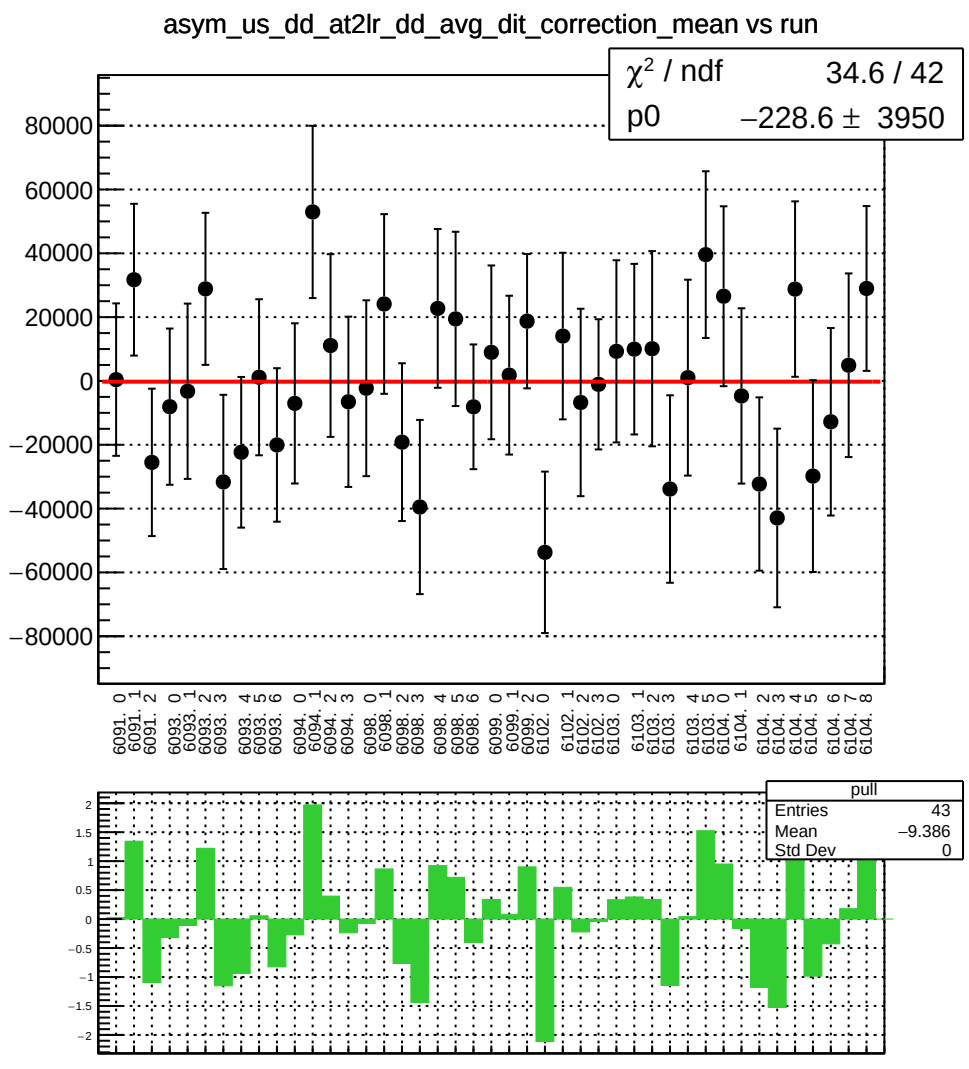

eigen_cor_asym_us_dd_at2lr_dd_avg_rms vs run
χ² / ndf 208.8 / 42
p0 2066 ± 2.271
2200
2150
2100
2050
2000
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

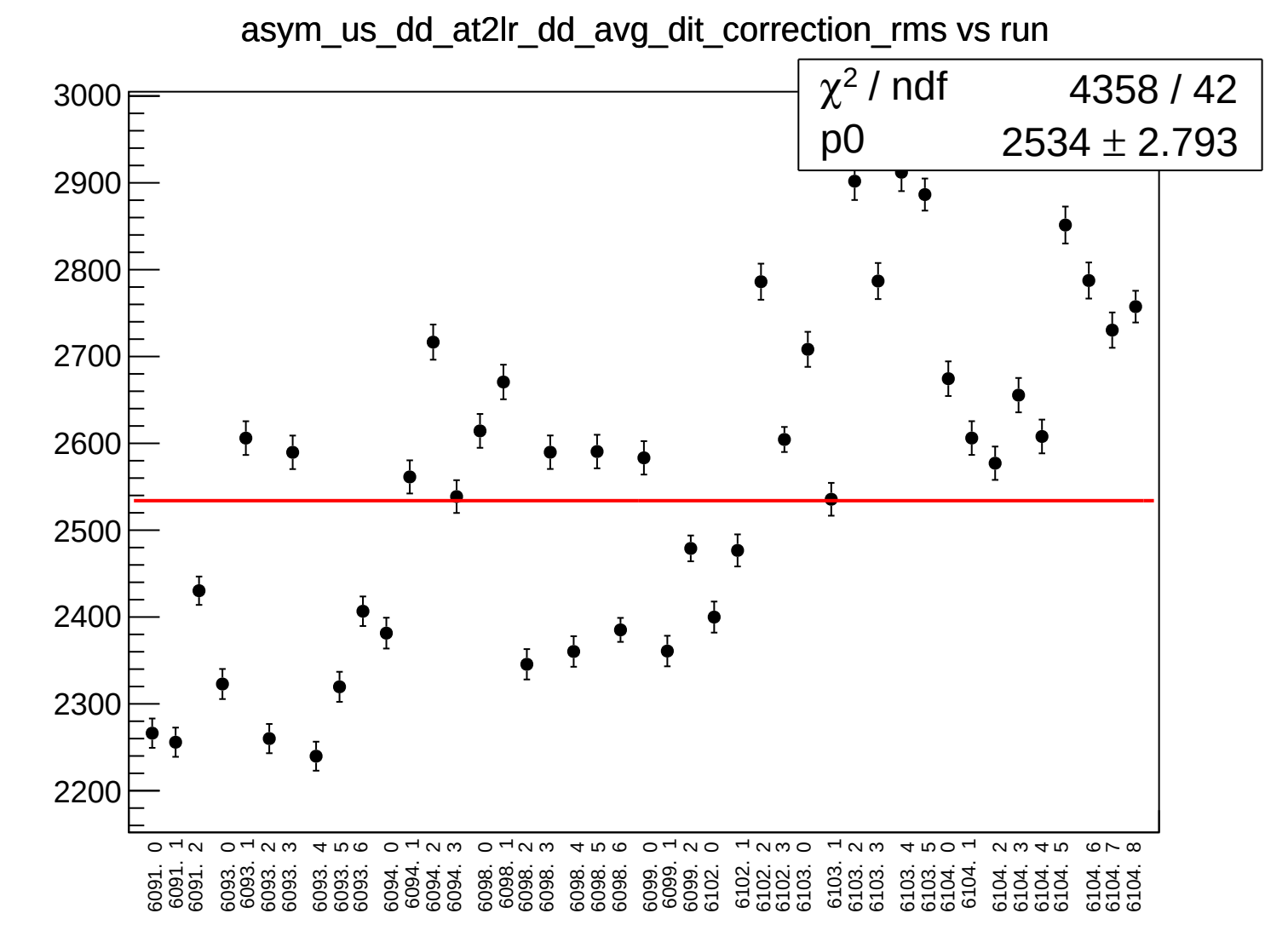

asym_us_dd_at2lr_dd_avg_eigen_cor_correction_mean vs run
χ² / ndf 34.94 / 42
p0 −217.2 ± 3883
80000
60000
40000
20000
0
−20000
−40000
−60000
−80000
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean −7.182
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 43
Mean −0.001687
Std Dev 0.9014
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

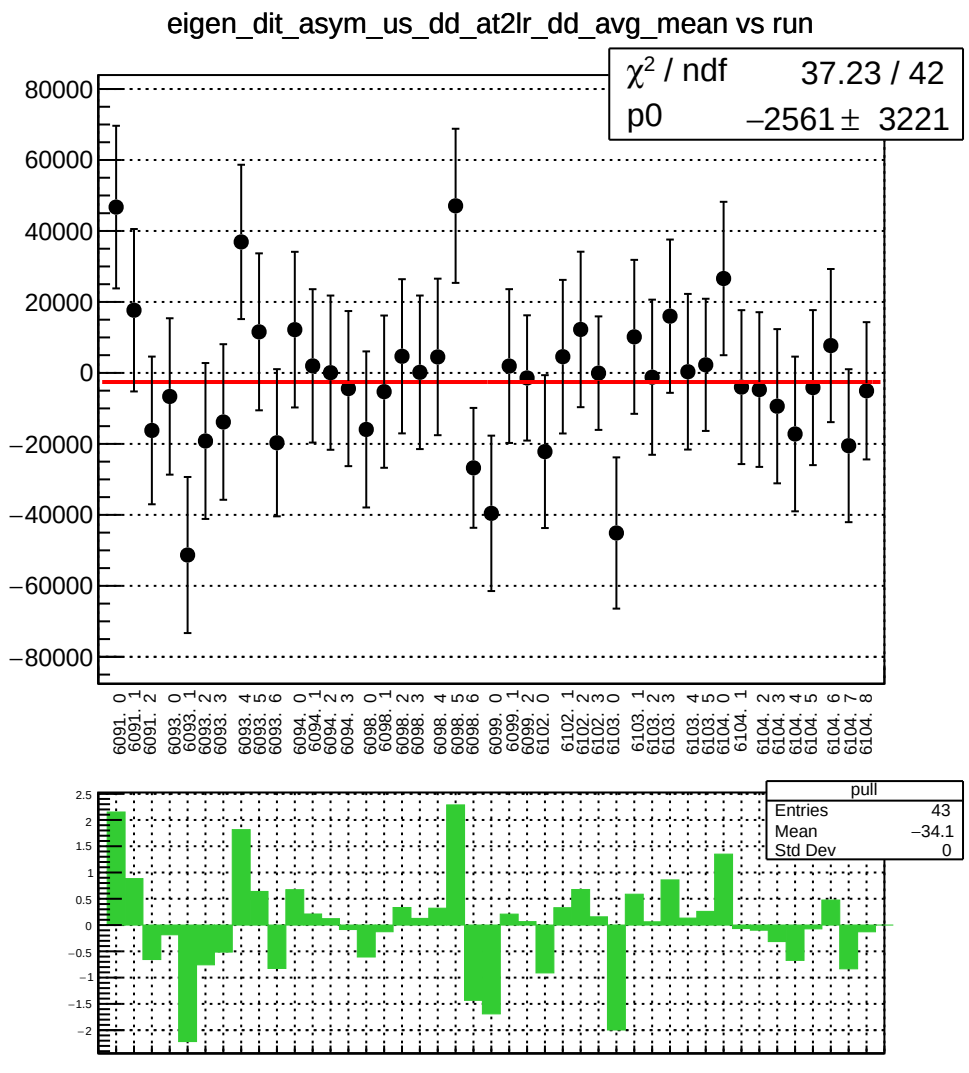

asym_us_dd_at2lr_dd_avg_eigen_cor_correction_rms vs run
χ² / ndf 3278 / 42
p0 2493 ± 2.746
2900
2800
2700
2600
2500
2400
2300
2200
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

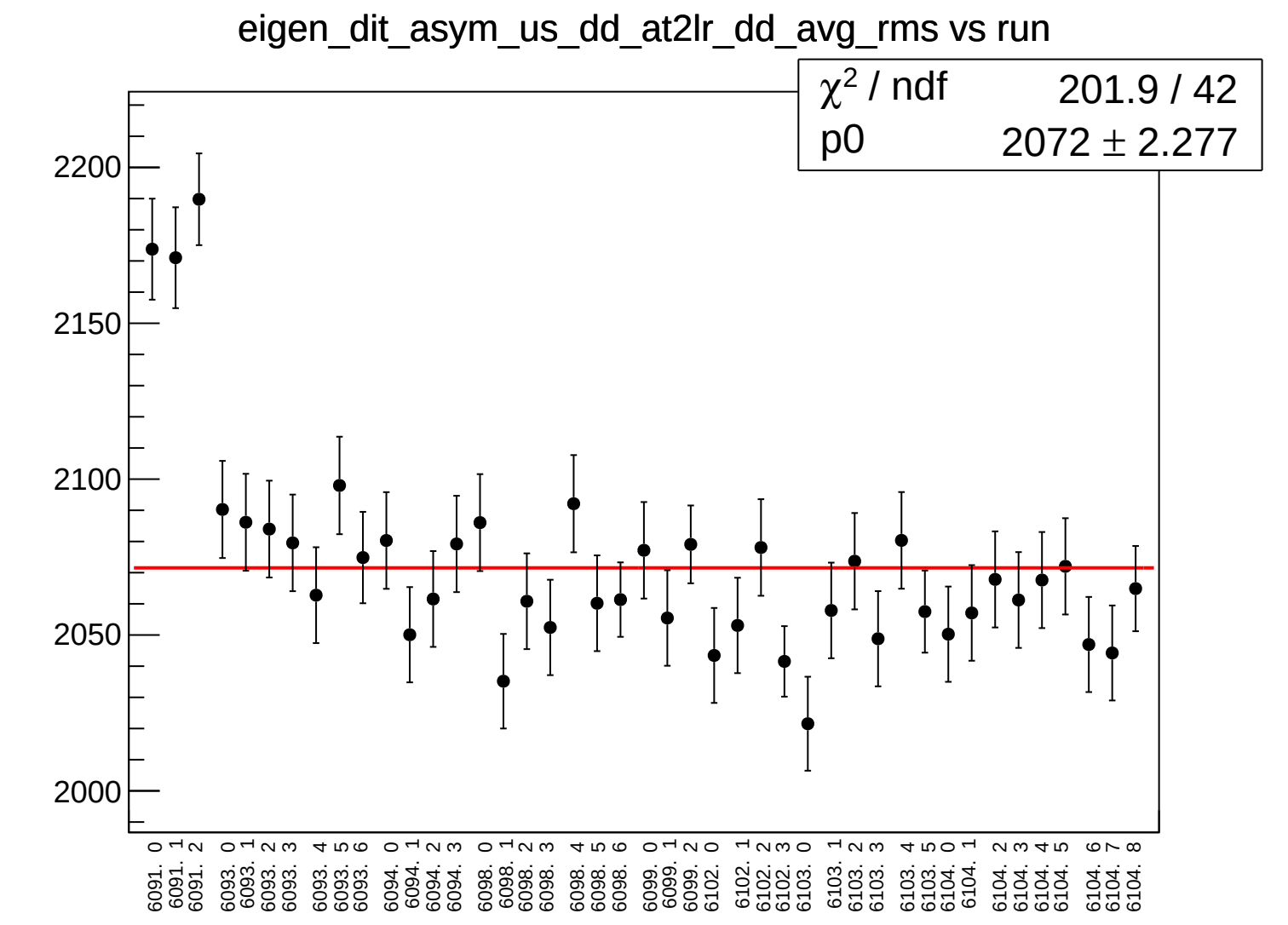

dit_asym_us_dd_at2lr_dd_avg_mean vs run
χ² / ndf 37.23 / 42
p0 −2561 ± 3221
80000
60000
40000
20000
0
−20000
−40000
−60000
−80000
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean −34.1
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 43
Mean 0.01246
Std Dev 0.9304
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

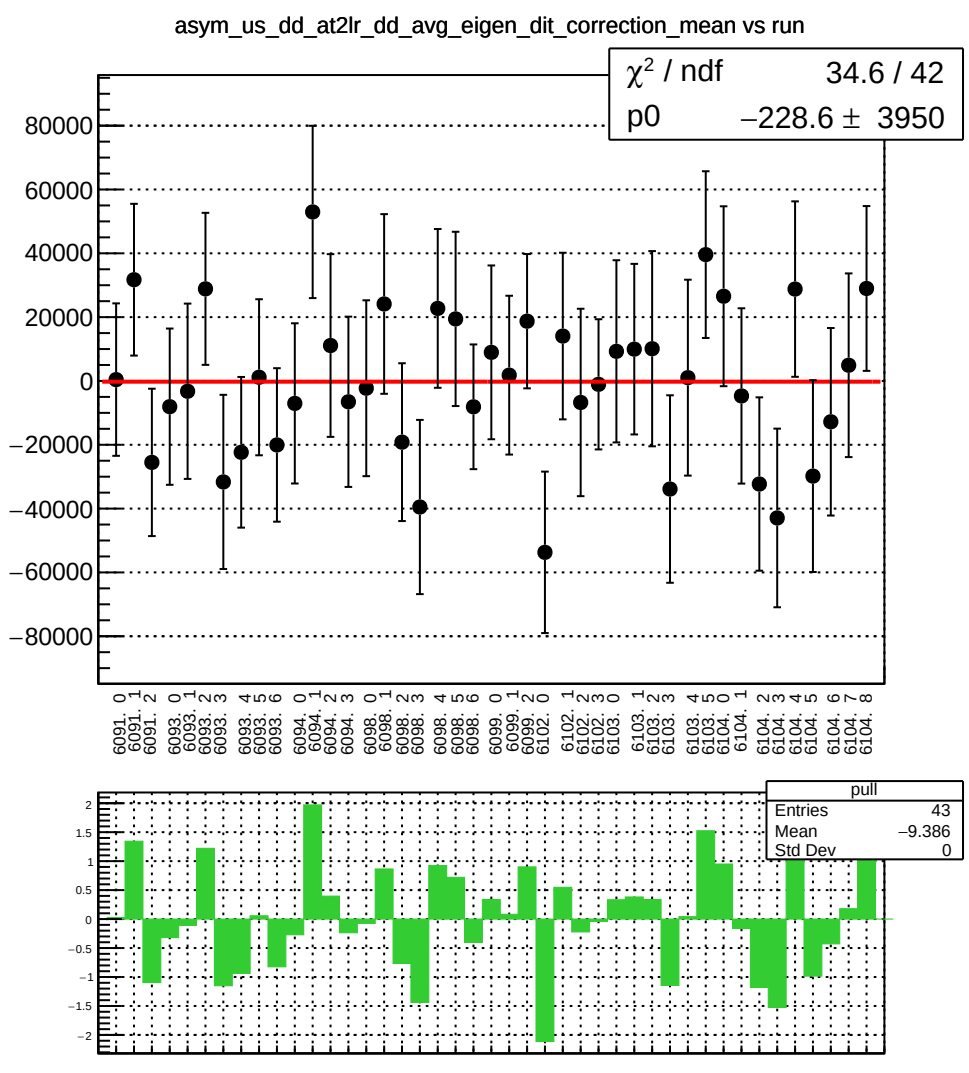

dit_asym_us_dd_at2lr_dd_avg_rms vs run
χ² / ndf 201.9 / 42
p0 2072 ± 2.277
2200
2150
2100
2050
2000
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

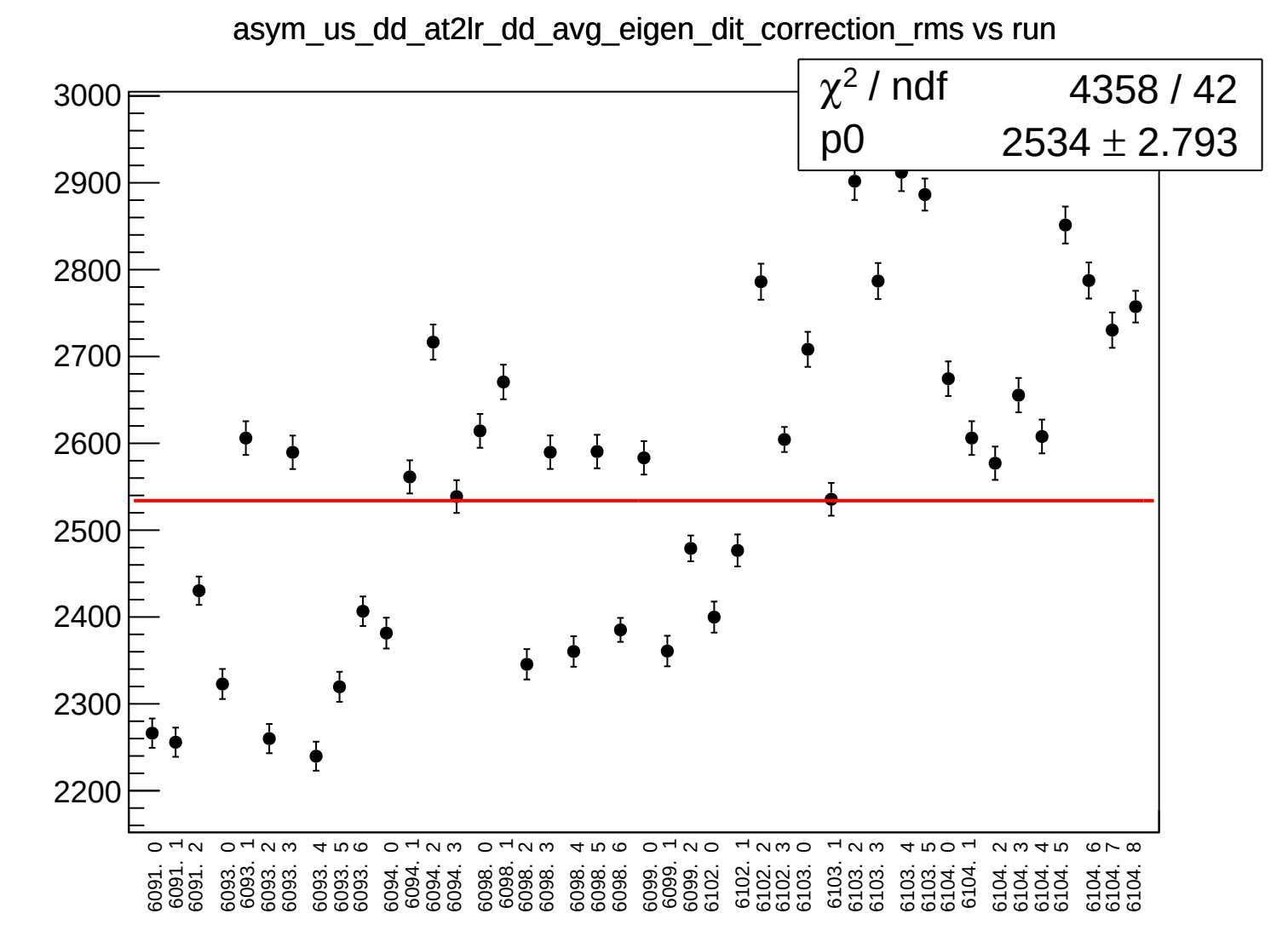

asym_us_dd_at2lr_dd_avg_dit_correction_mean vs run
χ² / ndf 34.6 / 42
p0 −228.6 ± 3950
80000
60000
40000
20000
0
−20000
−40000
−60000
−80000
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean −9.386
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 43
Mean −0.002388
Std Dev 0.897
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

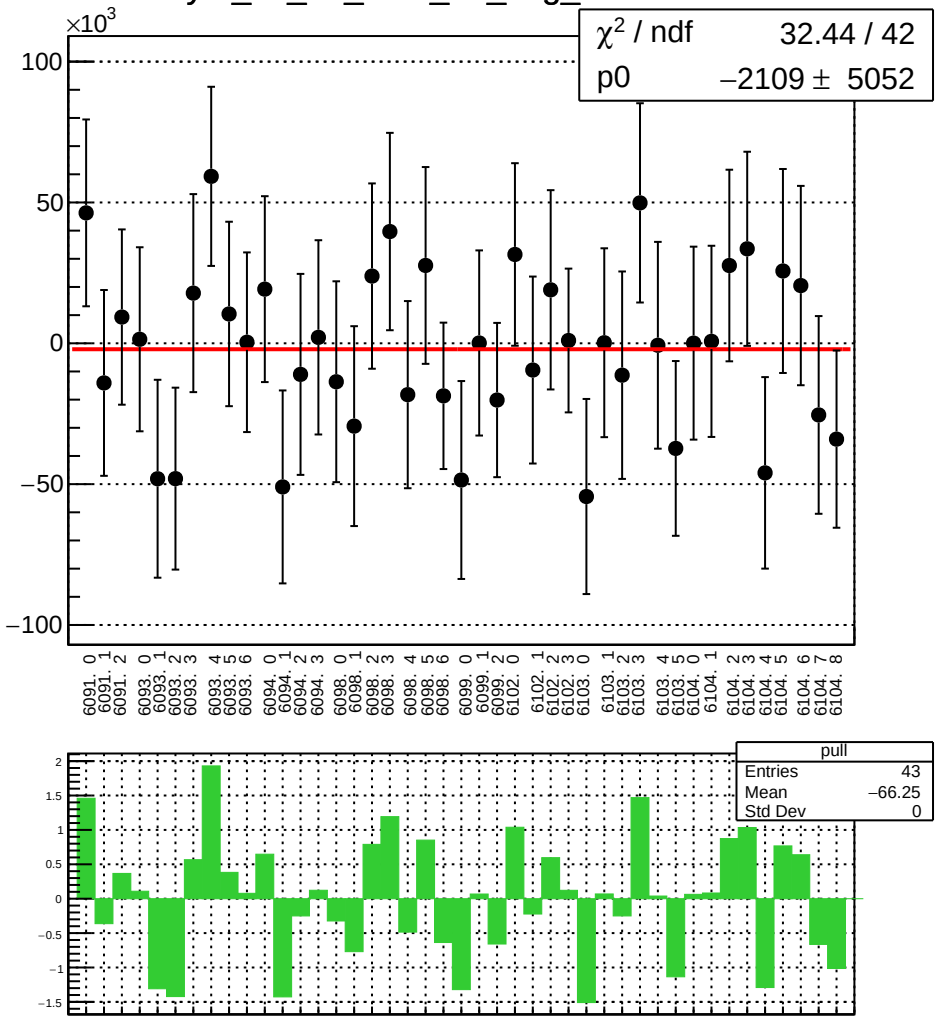

asym_us_dd_at2lr_dd_avg_dit_correction_rms vs run
χ² / ndf 4358 / 42
p0 2534 ± 2.793
3000
2900
2800
2700
2600
2500
2400
2300
2200
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

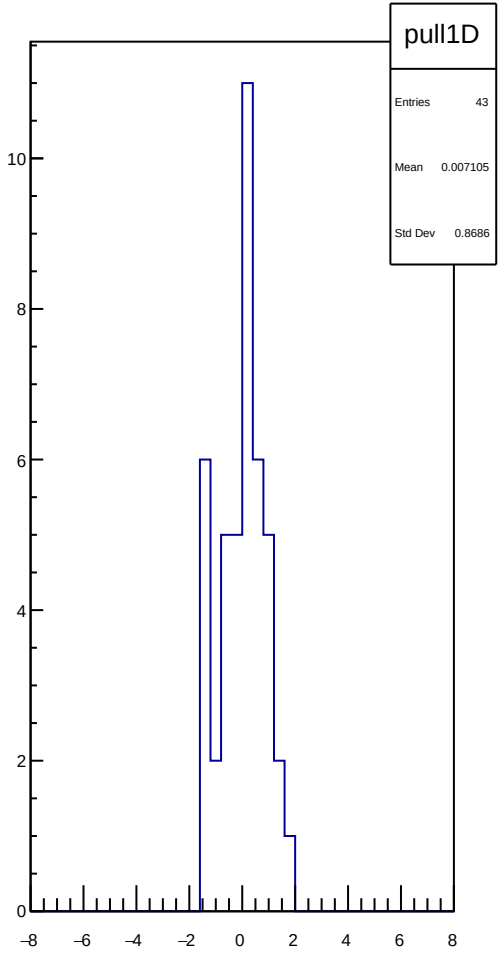

eigen_dit_asym_us_dd_at2lr_dd_avg_mean vs run
χ² / ndf 37.23 / 42
p0 −2561 ± 3221
80000
60000
40000
20000
0
−20000
−40000
−60000
−80000
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean −34.1
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 43
Mean 0.01246
Std Dev 0.9304
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

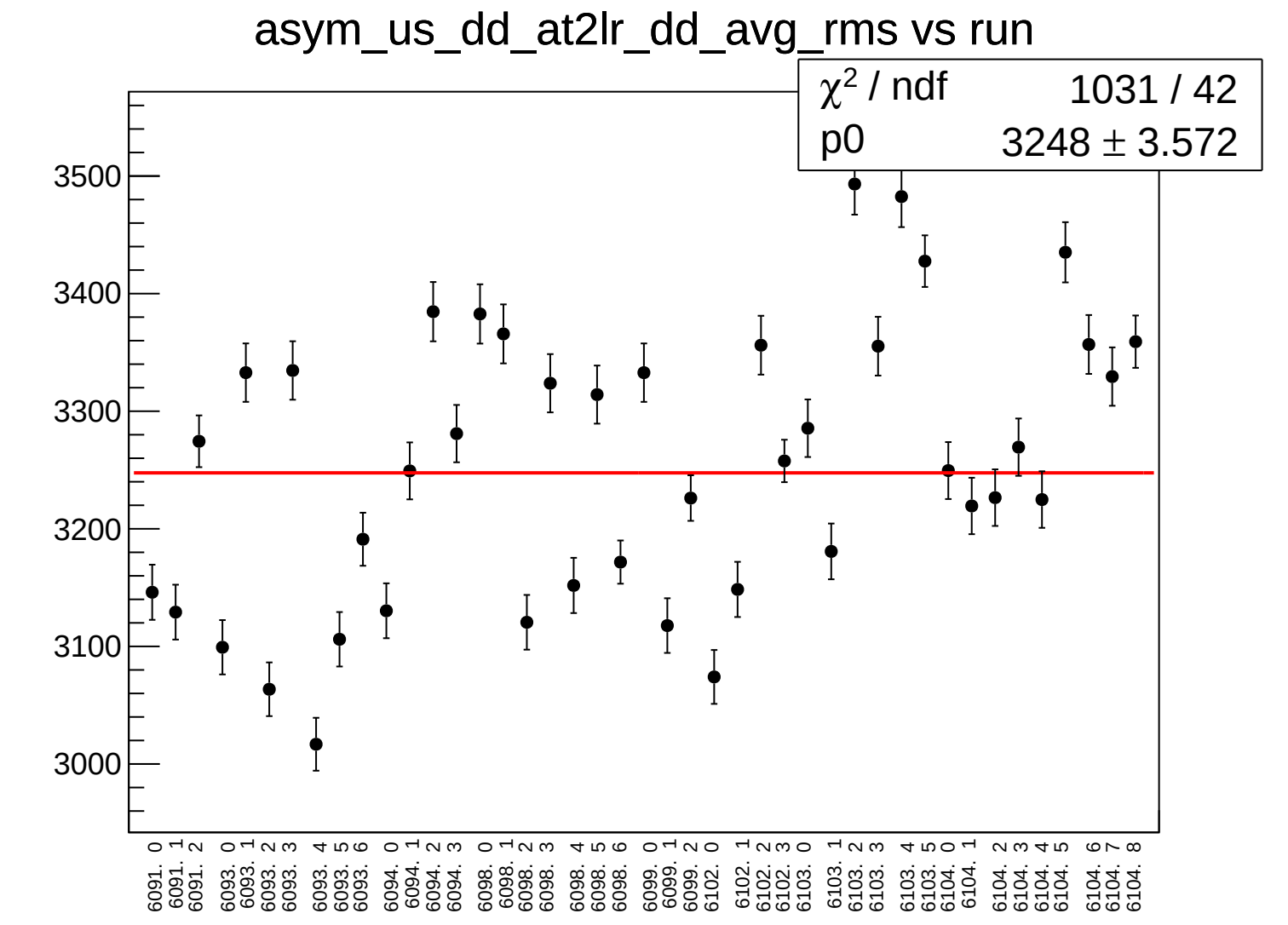

eigen_dit_asym_us_dd_at2lr_dd_avg_rms vs run
χ² / ndf 201.9 / 42
p0 2072 ± 2.277
2200
2150
2100
2050
2000
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

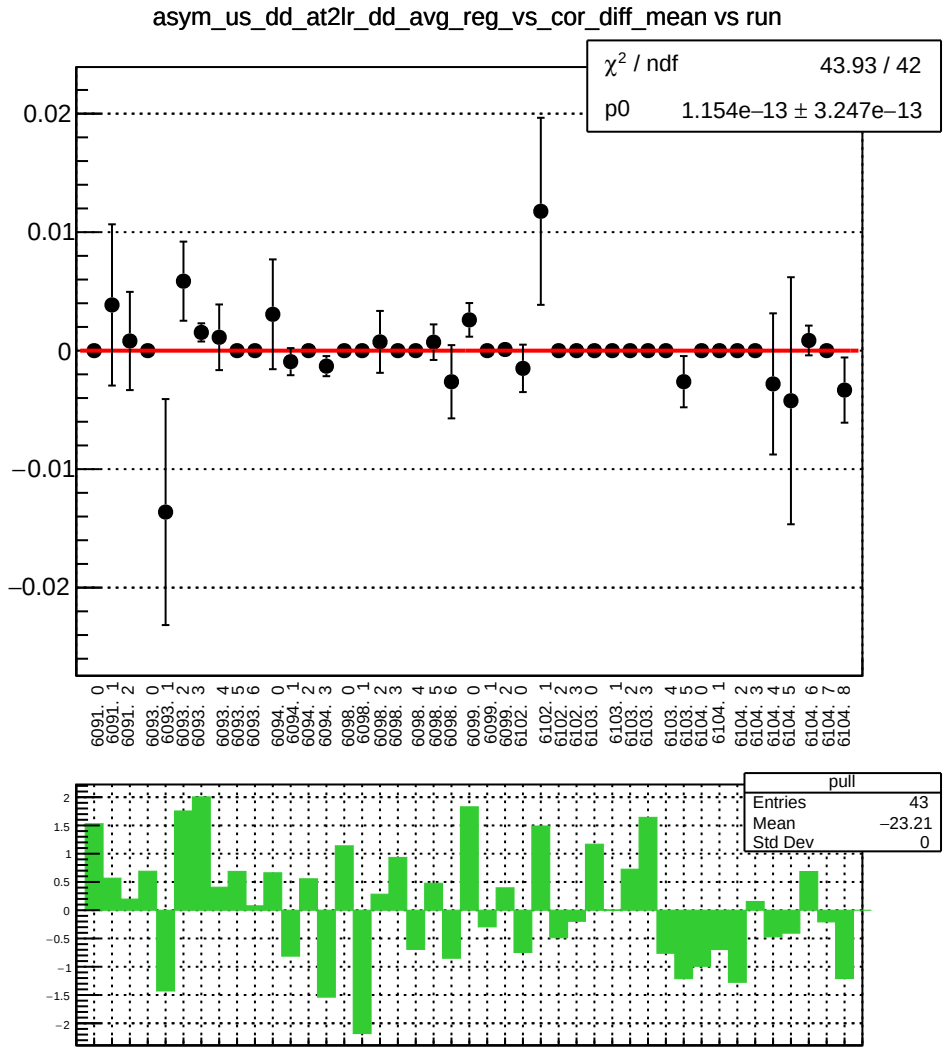

asym_us_dd_at2lr_dd_avg_eigen_dit_correction_mean vs run
χ² / ndf 34.6 / 42
p0 −228.6 ± 3950
80000
60000
40000
20000
0
−20000
−40000
−60000
−80000
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean −9.386
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 43
Mean −0.002388
Std Dev 0.897
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

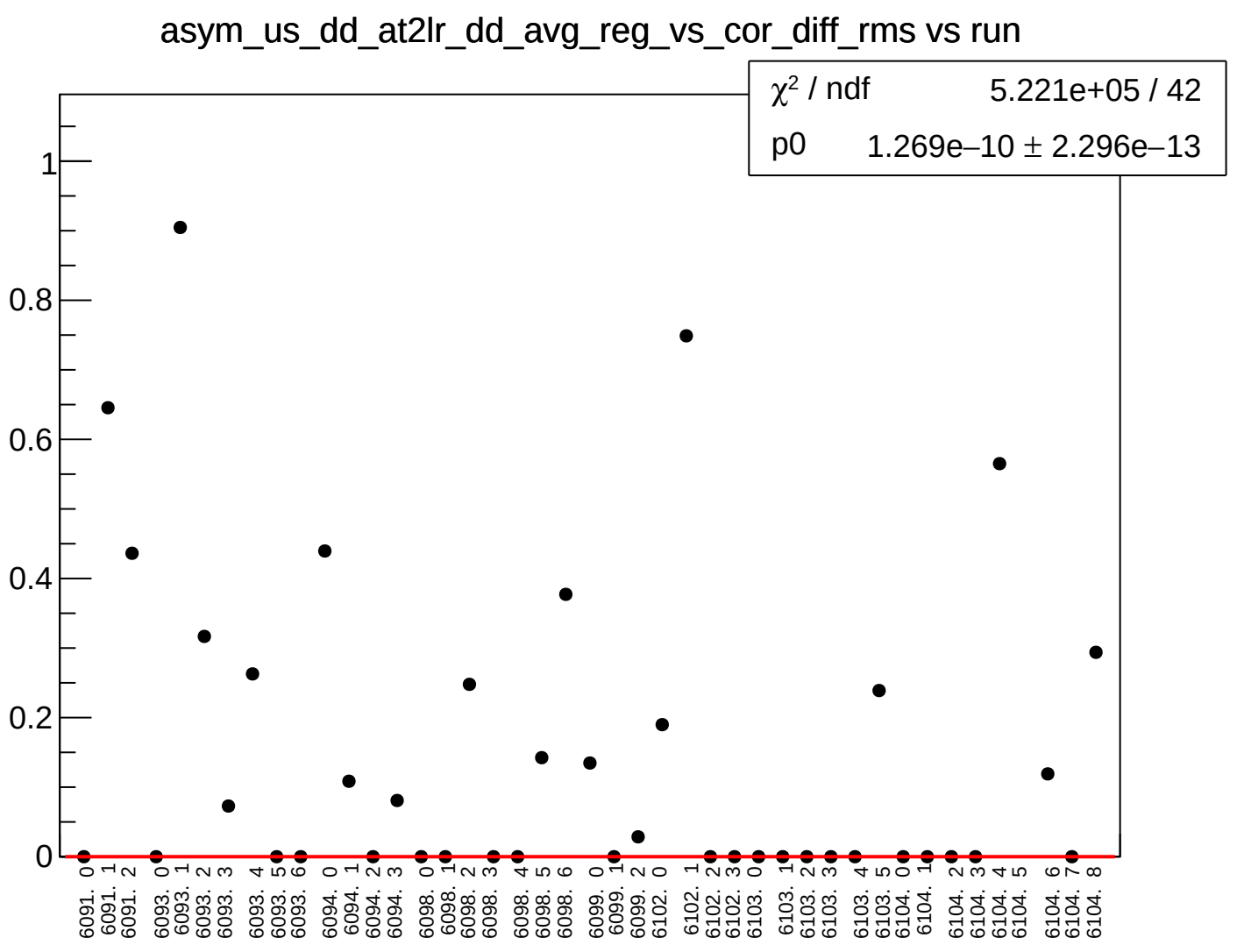

asym_us_dd_at2lr_dd_avg_eigen_dit_correction_rms vs run
χ² / ndf 4358 / 42
p0 2534 ± 2.793
3000
2900
2800
2700
2600
2500
2400
2300
2200
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

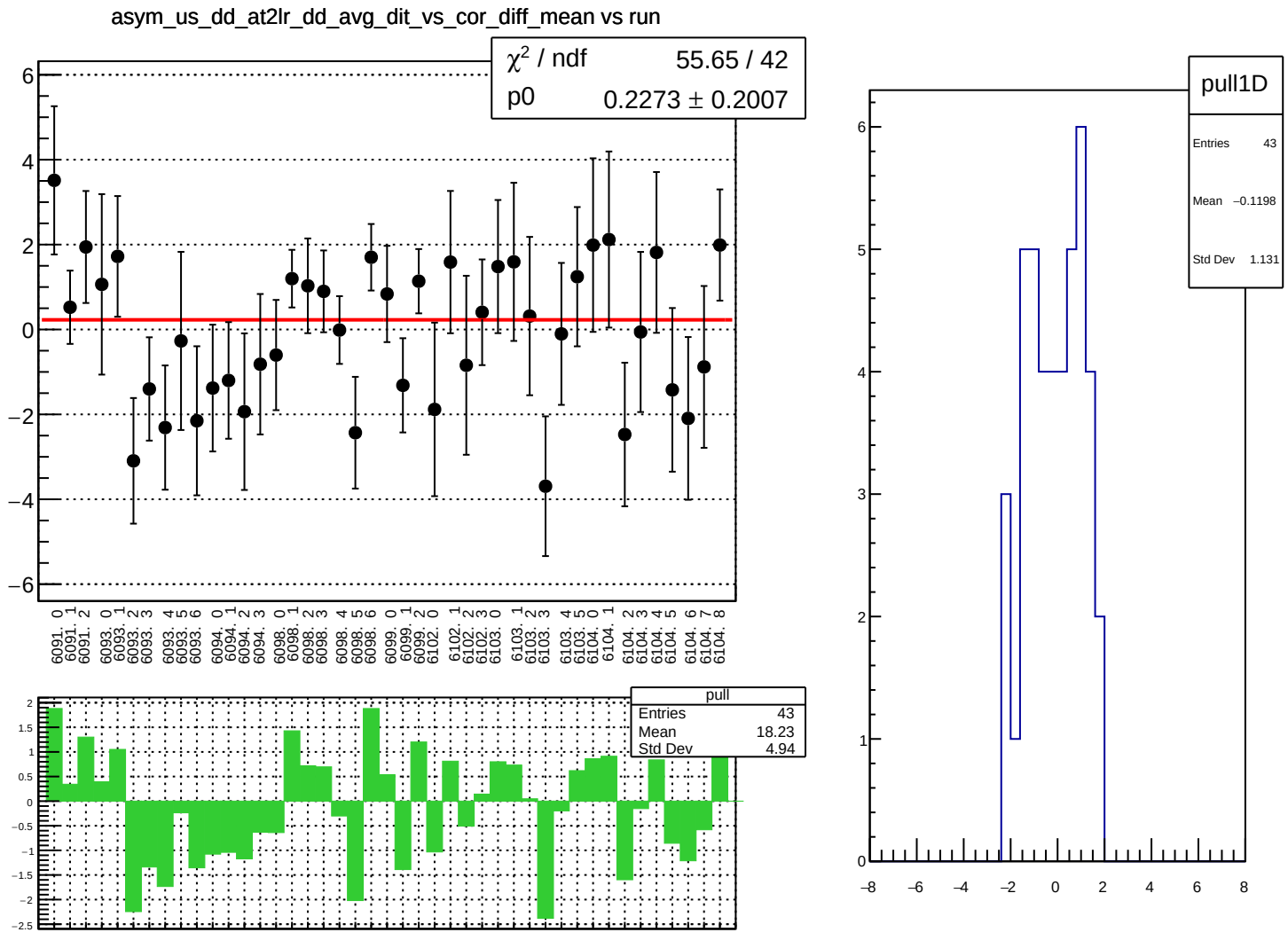

asym_us_dd_at2lr_dd_avg_mean vs run
×10^3
χ² / ndf 32.44 / 42
p0 −2109 ± 5052
100
50
0
−50
−100
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean −66.25
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5

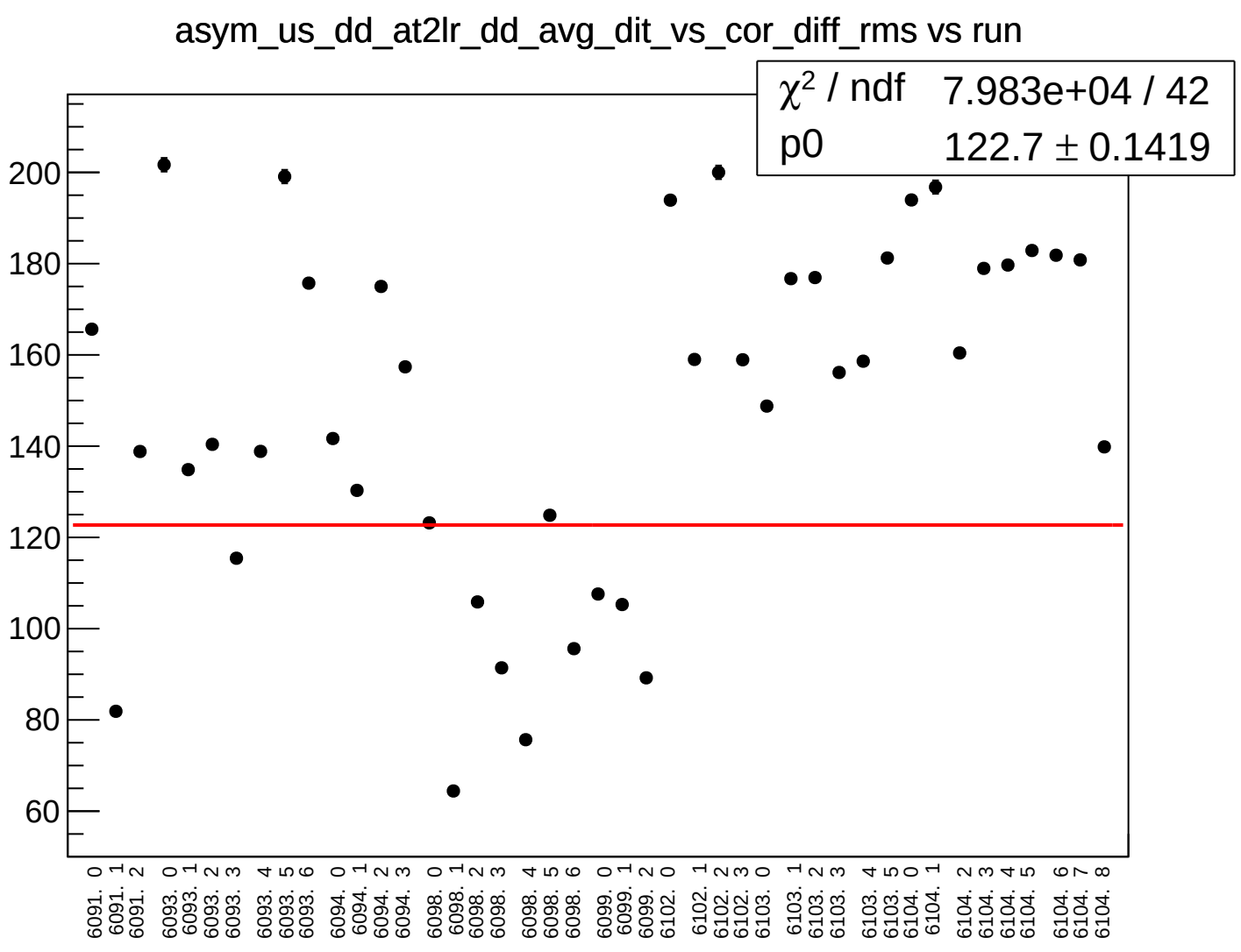

pull1D
Entries 43
Mean 0.007105
Std Dev 0.8686
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

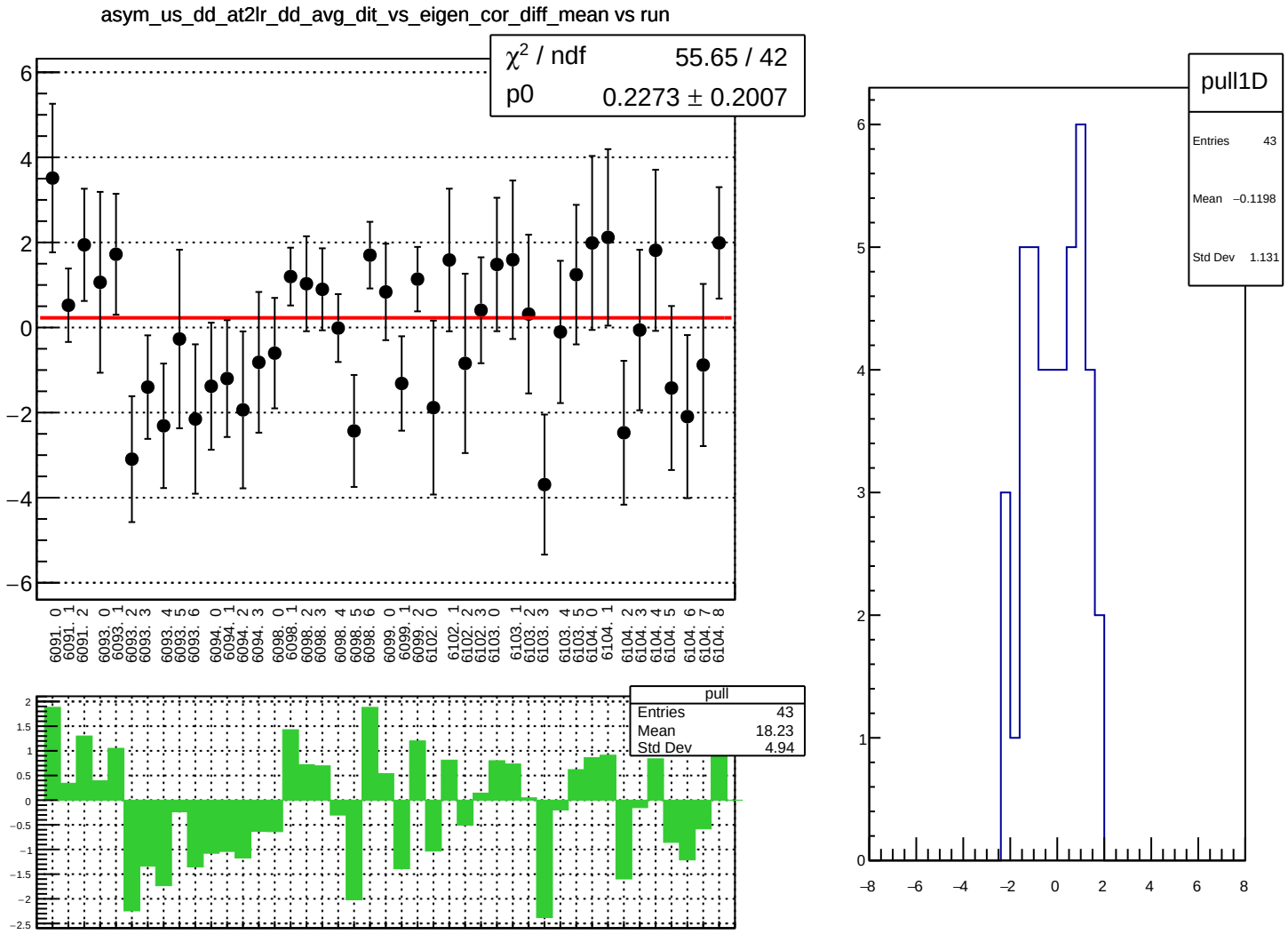

asym_us_dd_at2lr_dd_avg_rms vs run
χ² / ndf 1031 / 42
p0 3248 ± 3.572
3500
3400
3300
3200
3100
3000
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

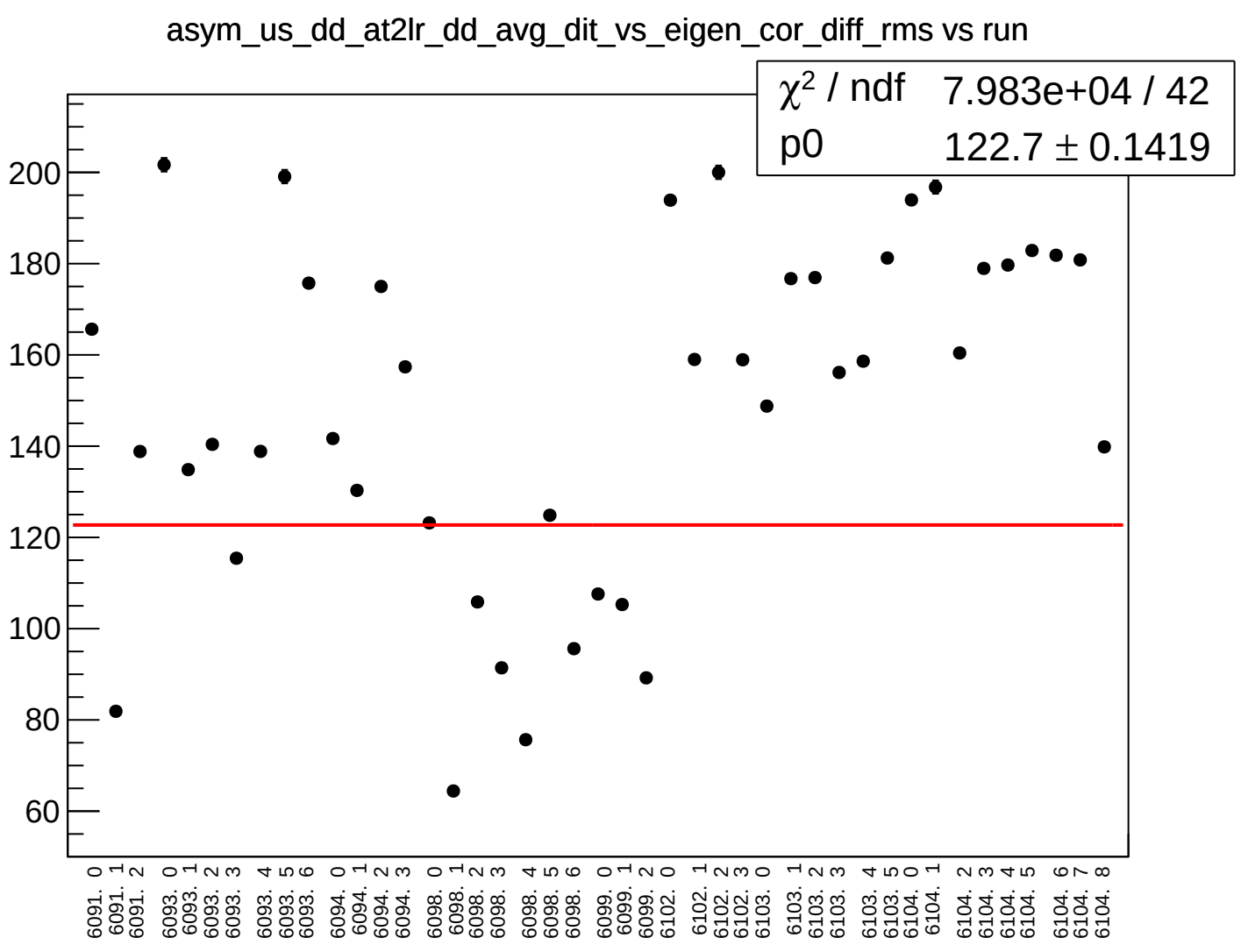

asym_us_dd_at2lr_dd_avg_reg_vs_cor_diff_mean vs run
χ² / ndf 43.93 / 42
p0 1.154e−13 ± 3.247e−13
0.02
0.01
0
−0.01
−0.02
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean −23.21
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 43
Mean 0.08388
Std Dev 1.007
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

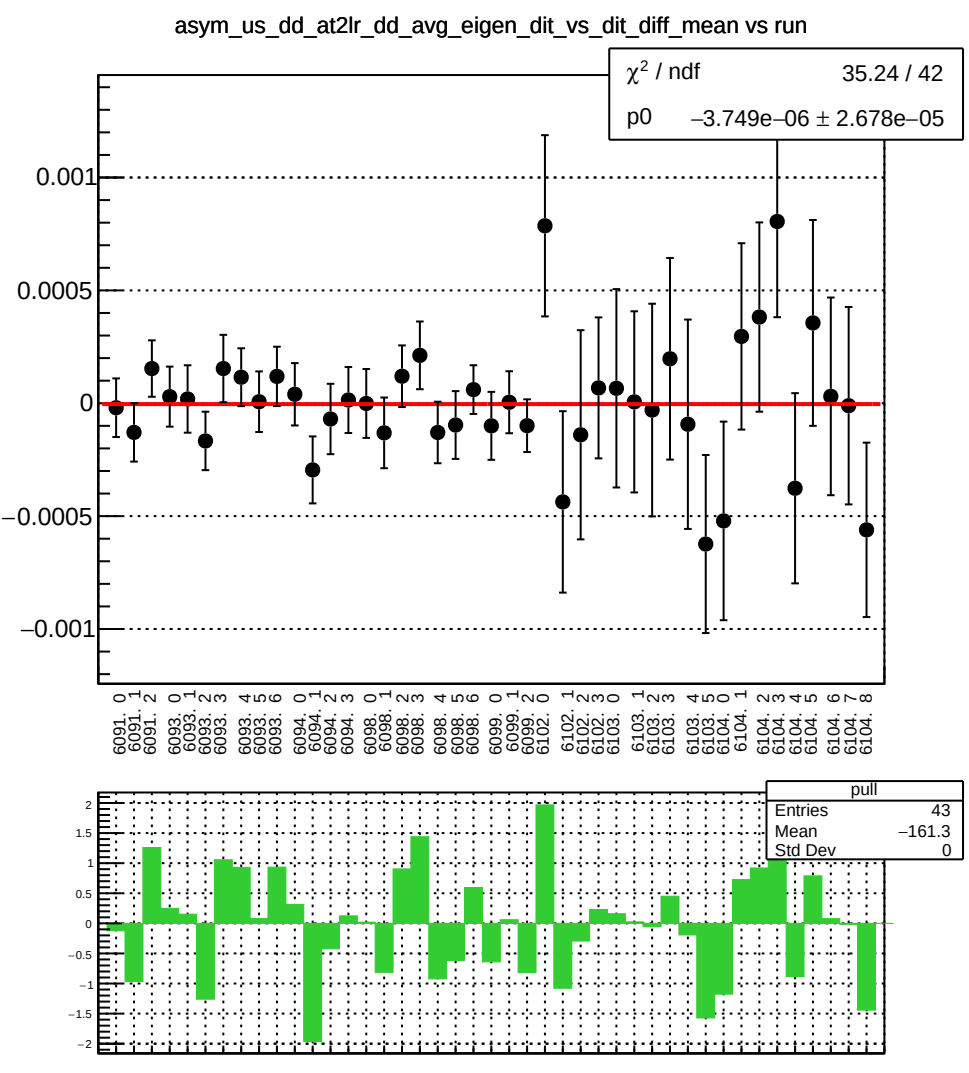

asym_us_dd_at2lr_dd_avg_reg_vs_cor_diff_rms vs run
χ² / ndf 5.221e+05 / 42
p0 1.269e−10 ± 2.296e−13
1
0.8
0.6
0.4
0.2
0
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

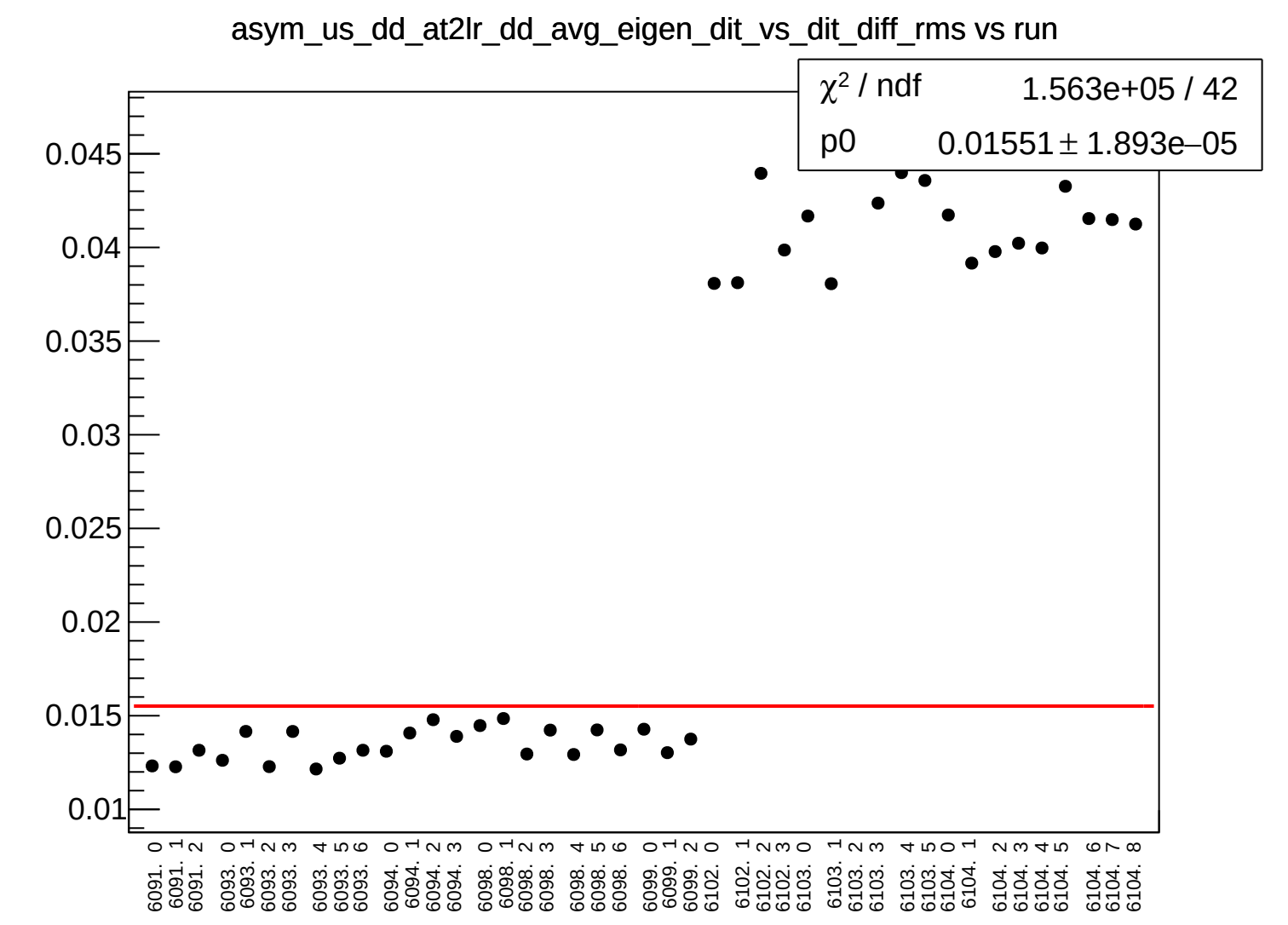

asym_us_dd_at2lr_dd_avg_dit_vs_cor_diff_mean vs run
χ² / ndf 55.65 / 42
p0 0.2273 ± 0.2007
6
4
2
0
−2
−4
−6
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 18.23
Std Dev 4.94
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5
pull1D
Entries 43
Mean −0.1198
Std Dev 1.131
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

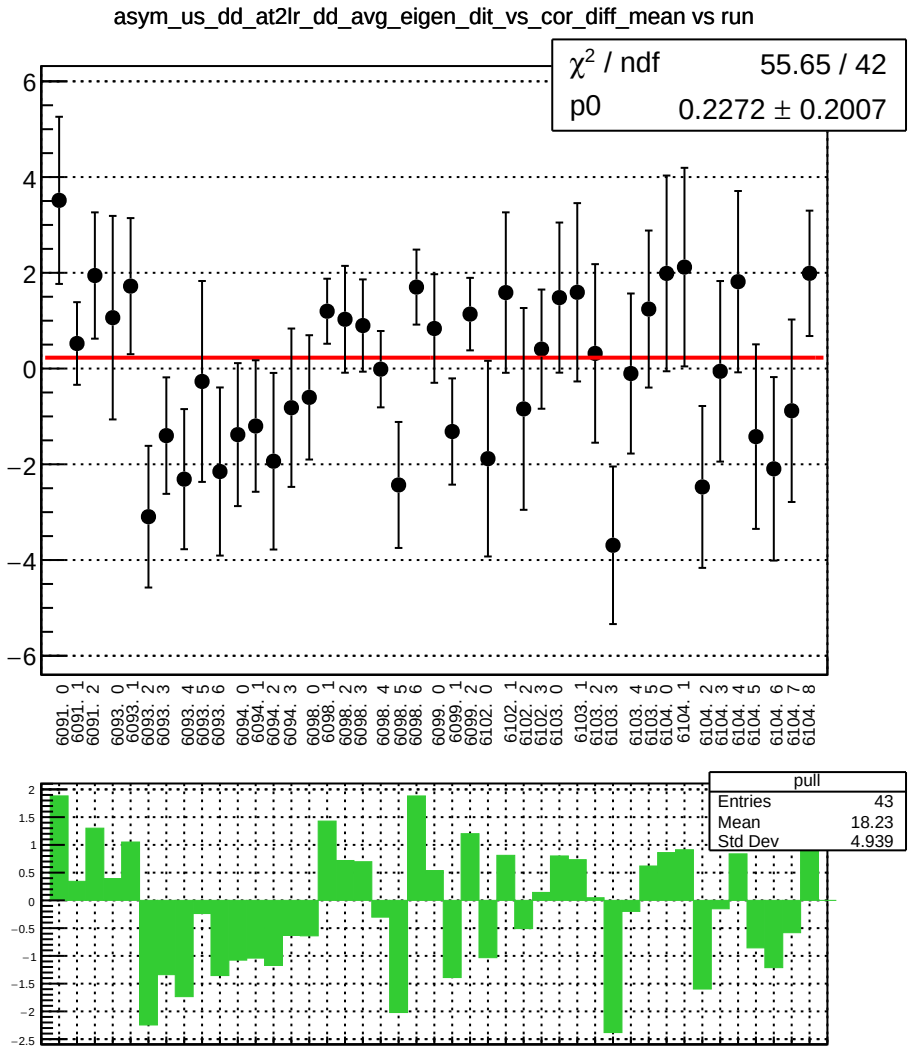

asym_us_dd_at2lr_dd_avg_dit_vs_cor_diff_rms vs run
χ² / ndf 7.983e+04 / 42
p0 122.7 ± 0.1419
200
180
160
140
120
100
80
60
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

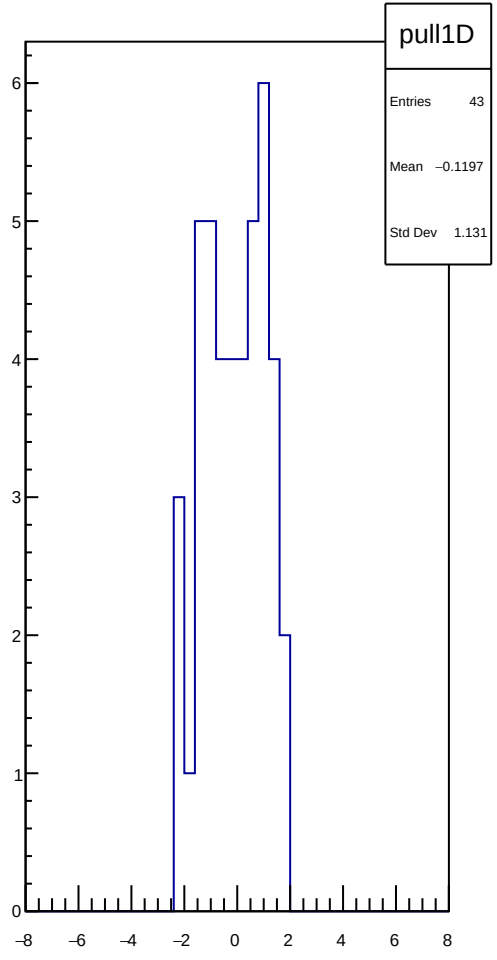

asym_us_dd_at2lr_dd_avg_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 55.65 / 42
p0 0.2273 ± 0.2007
6
4
2
0
−2
−4
−6
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 18.23
Std Dev 4.94
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5
pull1D
Entries 43
Mean −0.1198
Std Dev 1.131
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

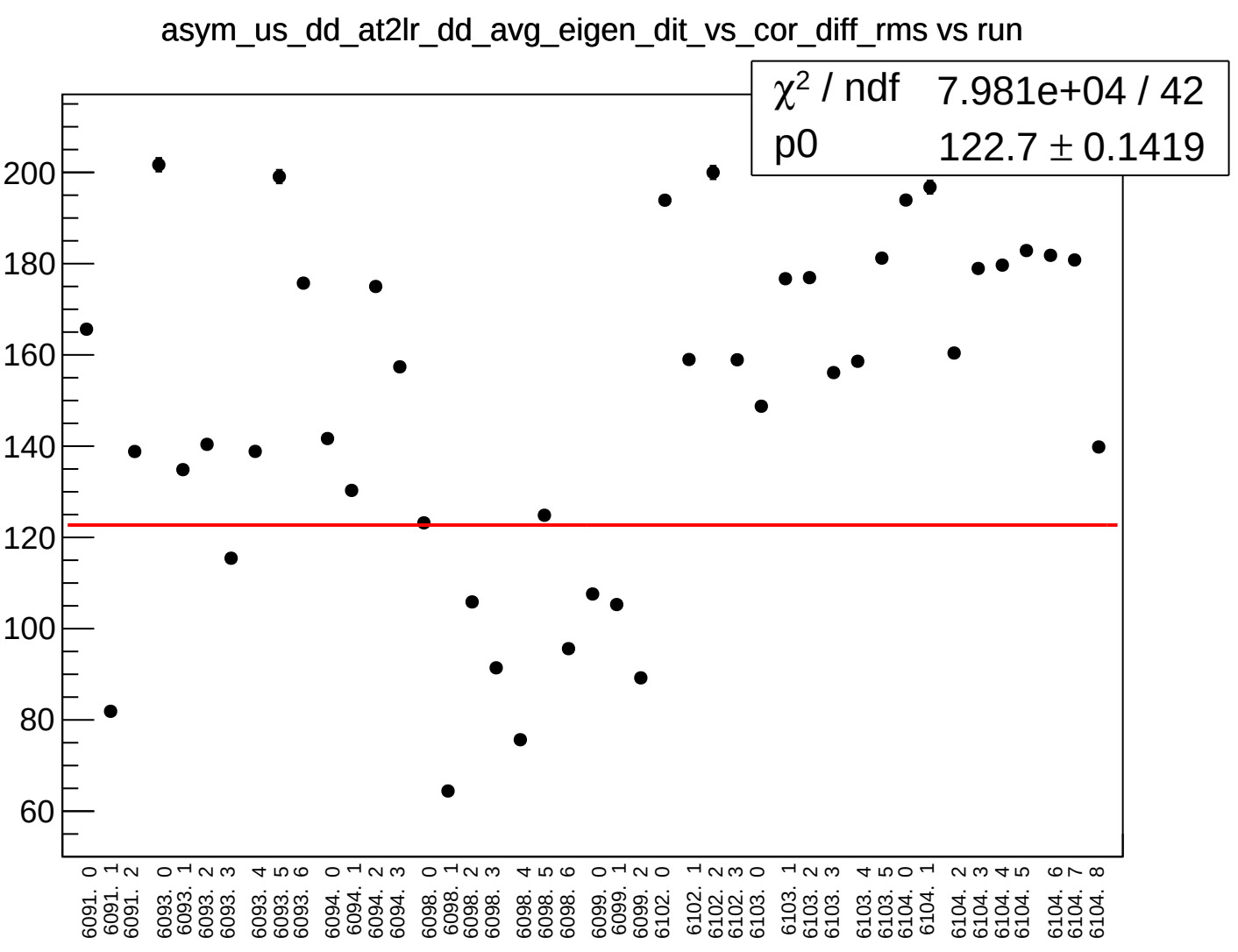

asym_us_dd_at2lr_dd_avg_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 7.983e+04 / 42
p0 122.7 ± 0.1419
200
180
160
140
120
100
80
60
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

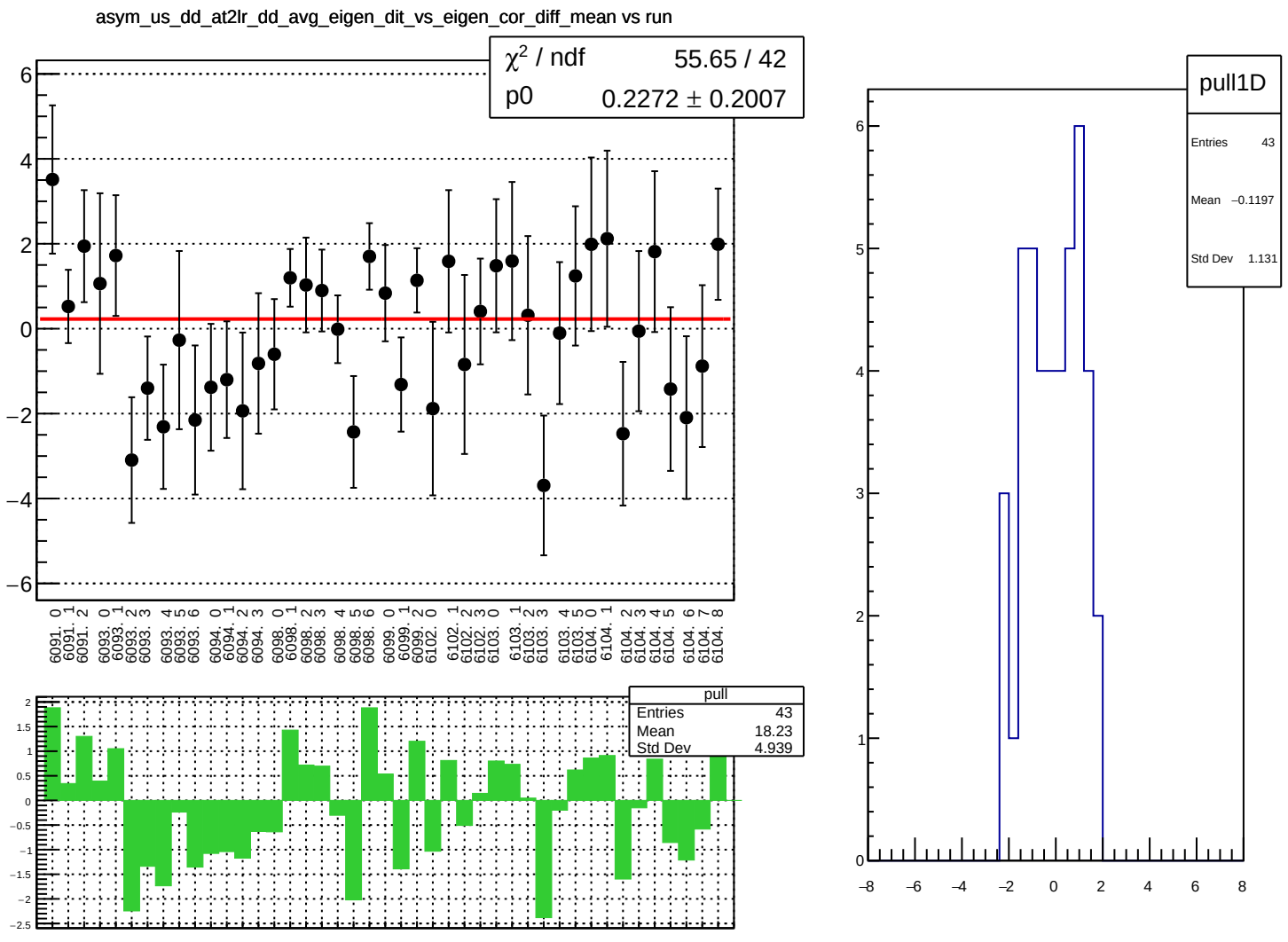

asym_us_dd_at2lr_dd_avg_eigen_dit_vs_dit_diff_mean vs run
χ² / ndf 35.24 / 42
p0 −3.749e−06 ± 2.678e−05
0.001
0.0005
0
−0.0005
−0.001
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean −161.3
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 43
Mean 0.002493
Std Dev 0.9053
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

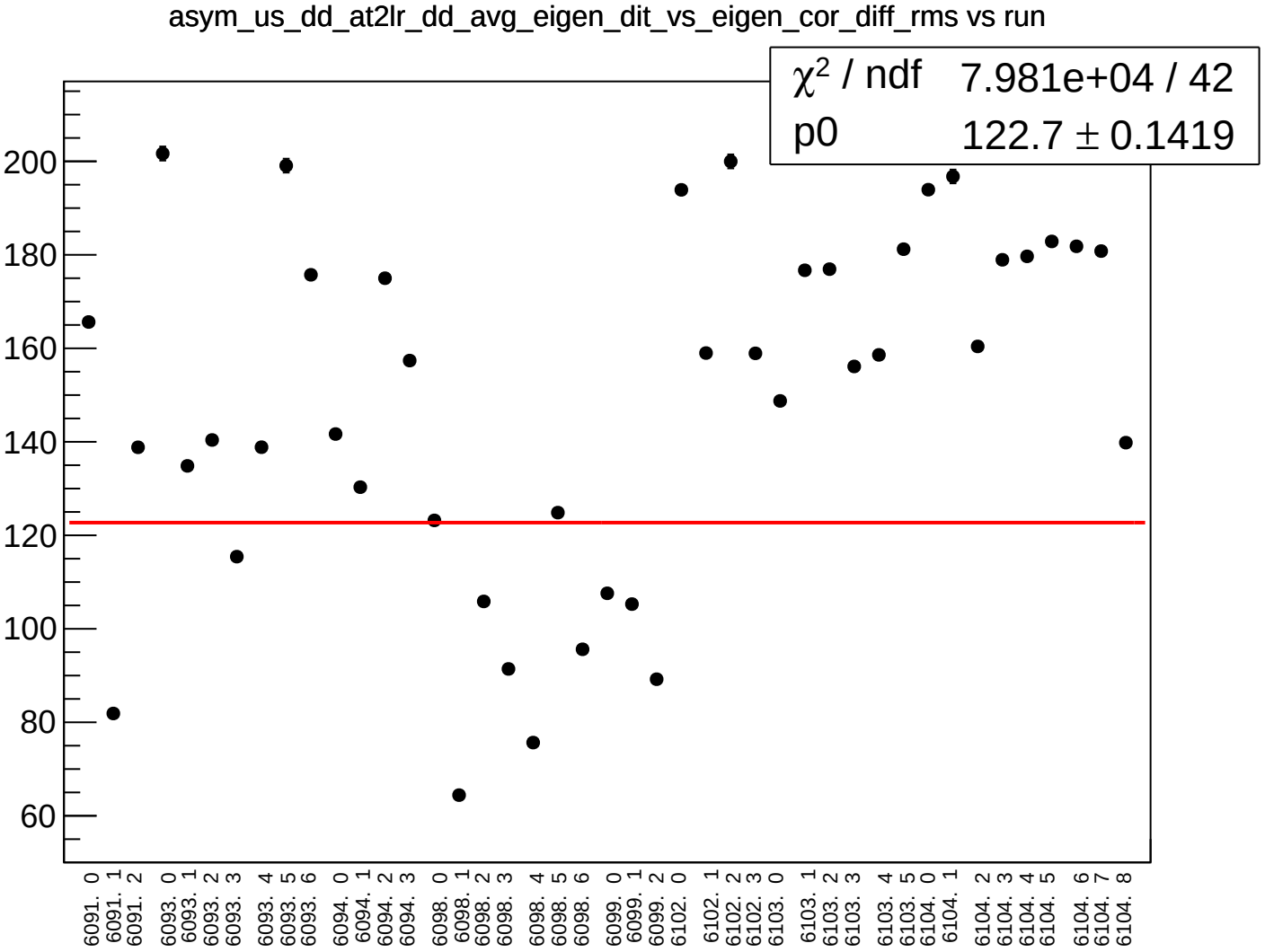

asym_us_dd_at2lr_dd_avg_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 1.563e+05 / 42
p0 0.01551 ± 1.893e–05
0.045
0.04
0.035
0.03
0.025
0.02
0.015
0.01
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

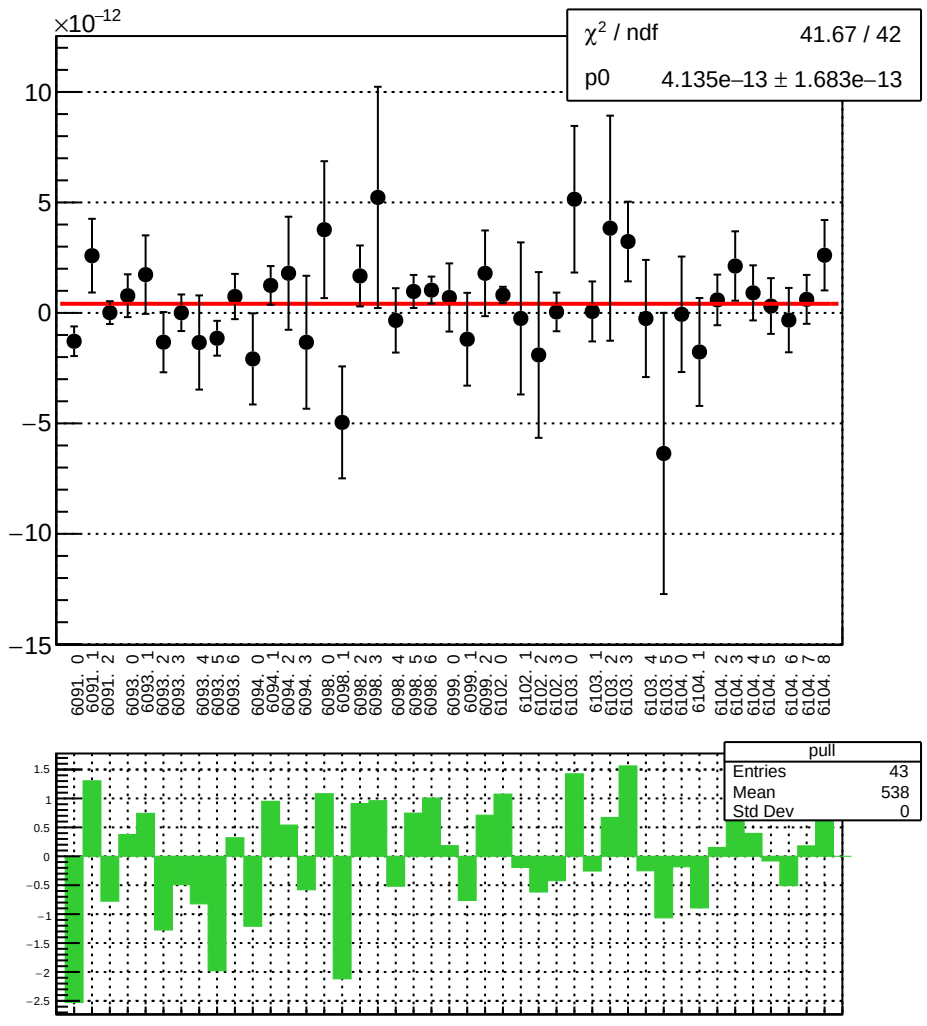

asym_us_dd_at2lr_dd_avg_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 55.65 / 42
p0 0.2272 ± 0.2007
pull
Entries 43
Mean 18.23
Std Dev 4.939

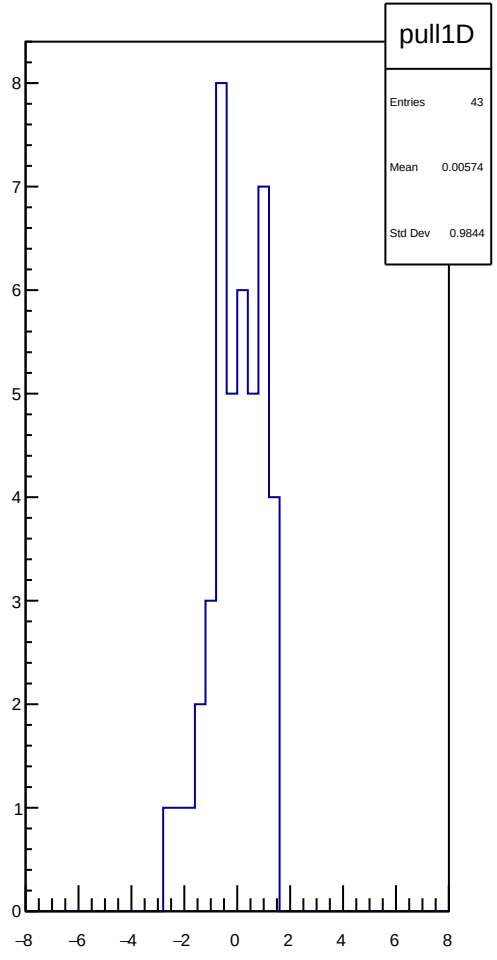

pull1D
Entries 43
Mean −0.1197
Std Dev 1.131

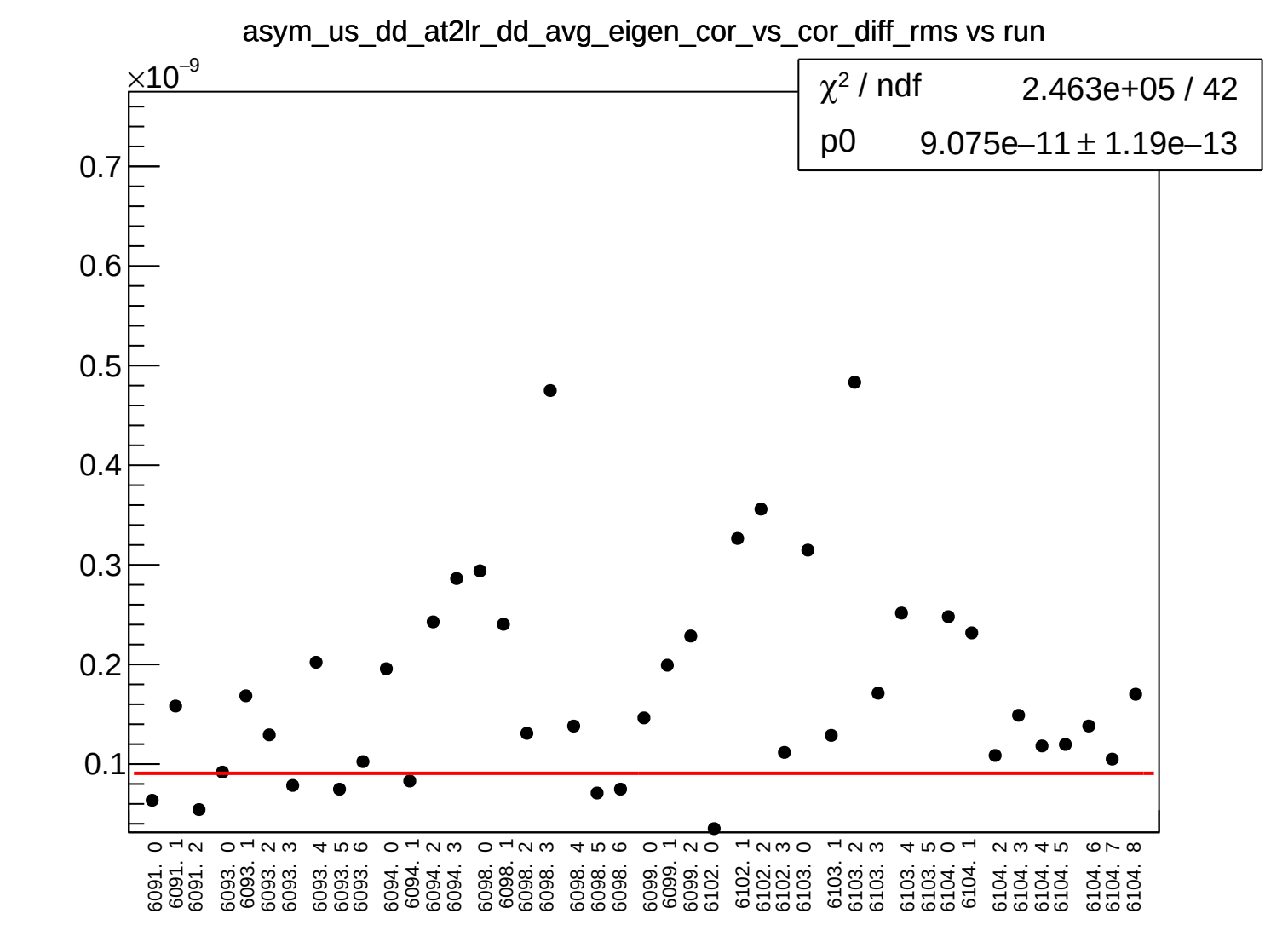

asym_us_dd_at2lr_dd_avg_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 7.981e+04 / 42
p0 122.7 ± 0.1419
200
180
160
140
120
100
80
60
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

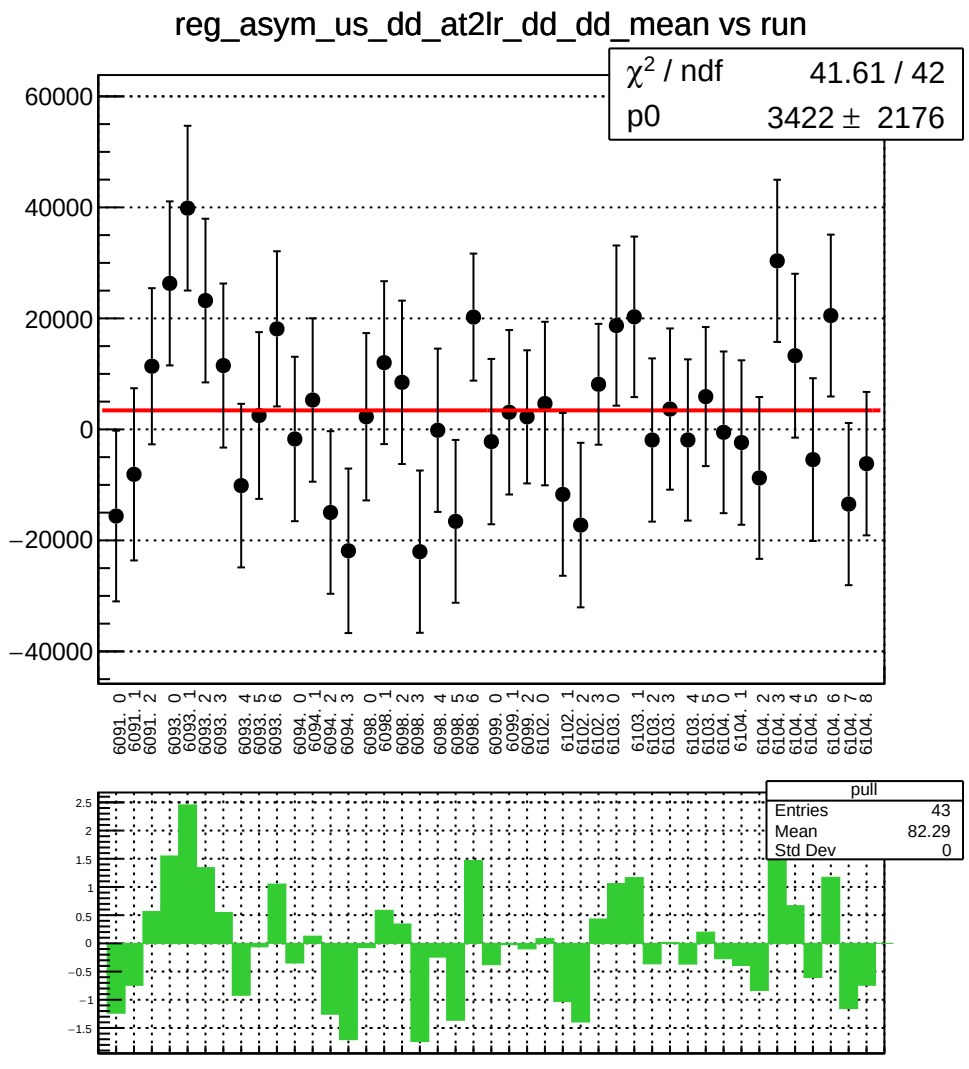

asym_us_dd_at2lr_dd_avg_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 55.65 / 42
p0 0.2272 ± 0.2007
pull
Entries 43
Mean 18.23
Std Dev 4.939
pull1D
Entries 43
Mean −0.1197
Std Dev 1.131

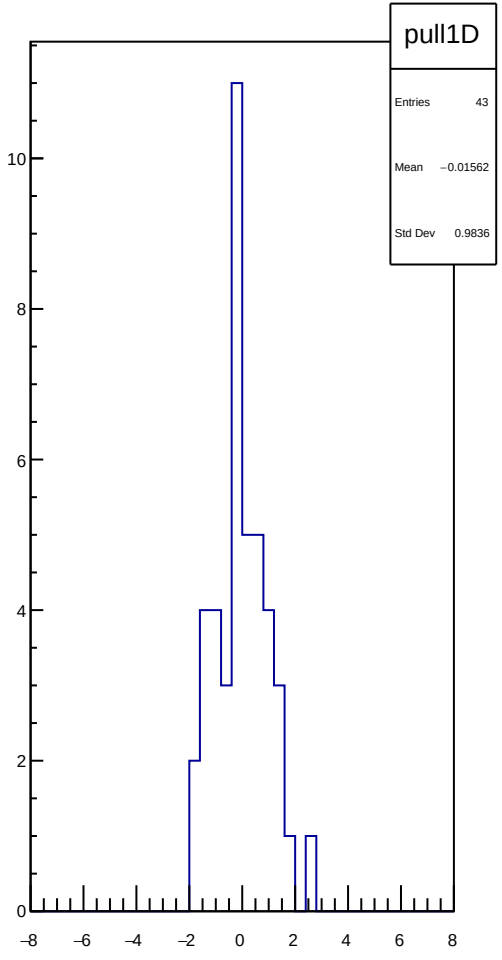

asym_us_dd_at2lr_dd_avg_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 7.981e+04 / 42
p0 122.7 ± 0.1419
200
180
160
140
120
100
80
60
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

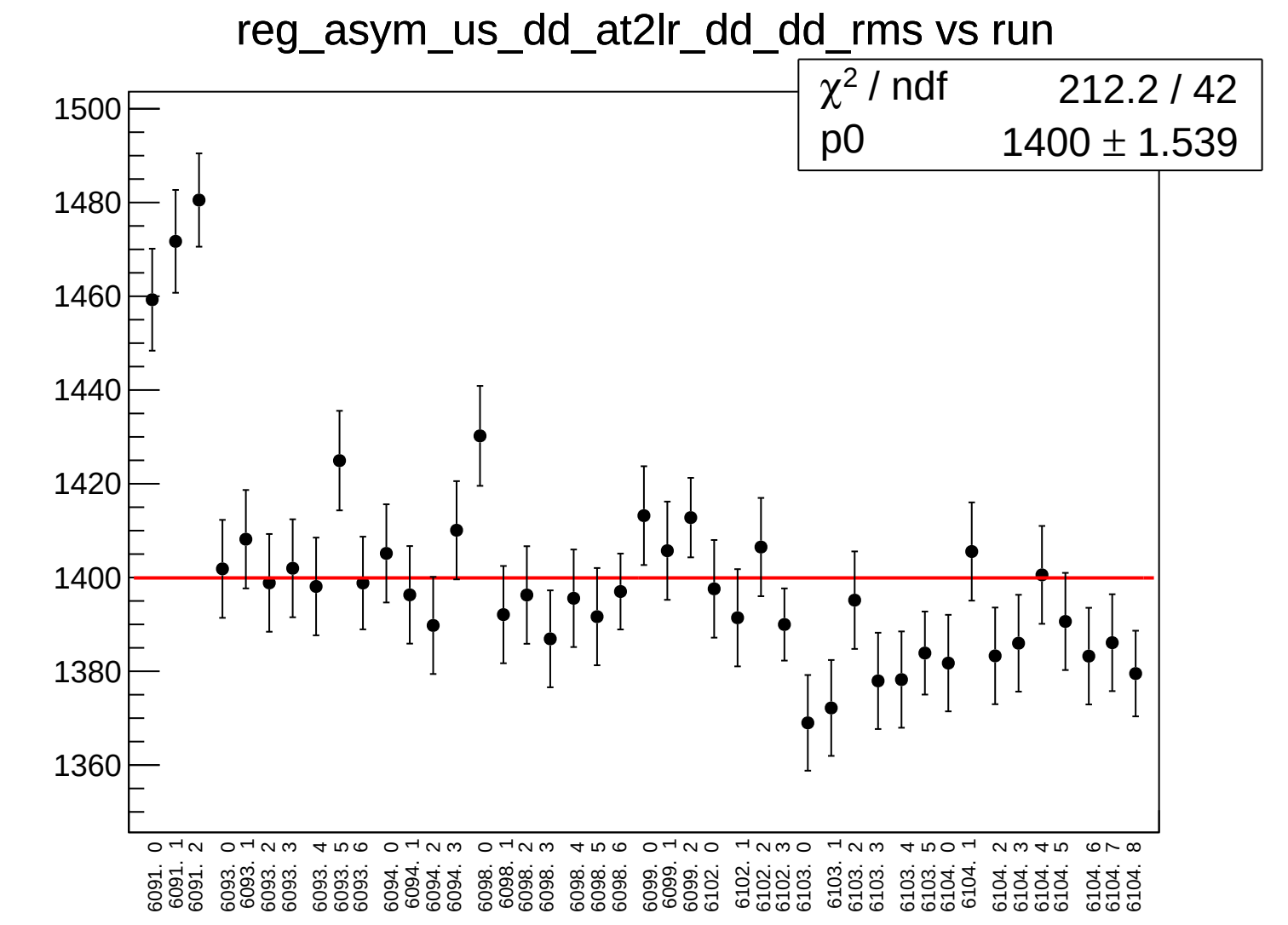

asym_us_dd_at2lr_dd_avg_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 41.67 / 42
p0 4.135e−13 ± 1.683e−13
pull
Entries 43
Mean 538
Std Dev 0

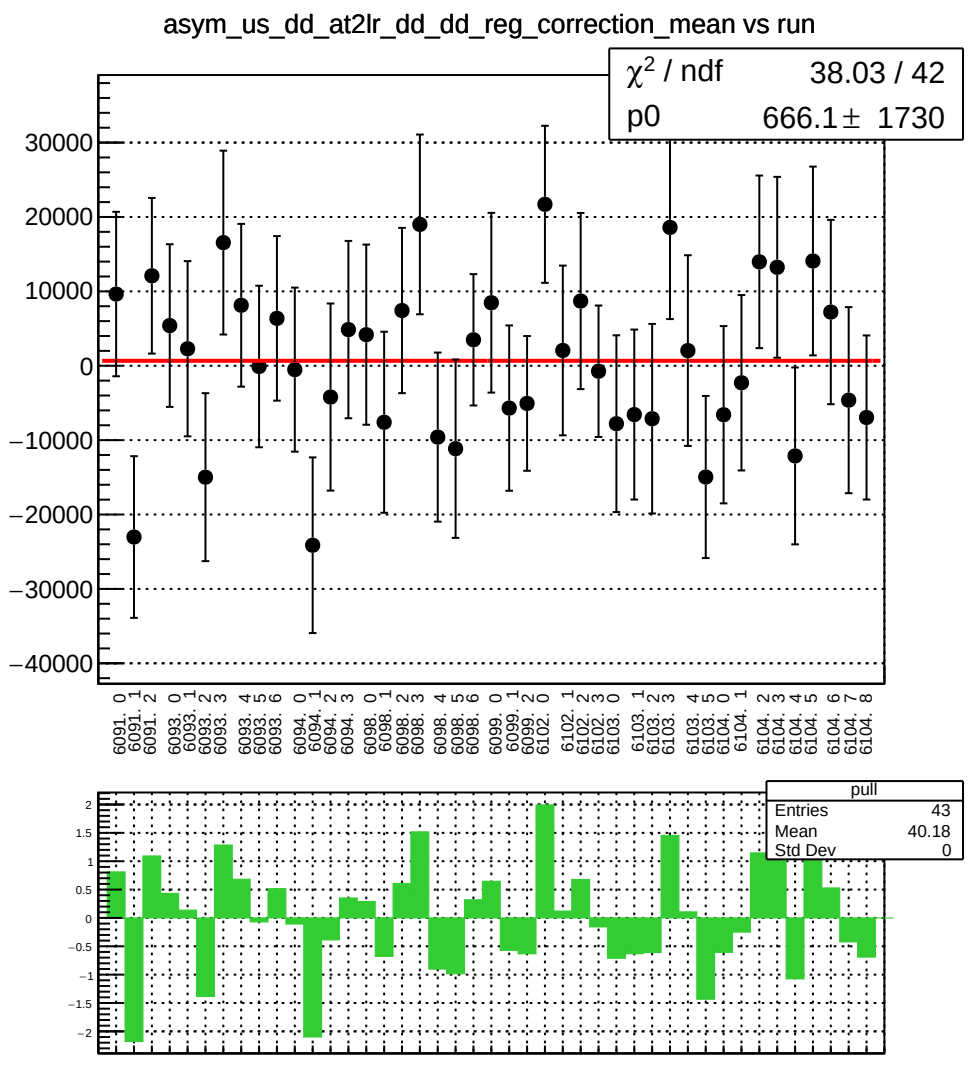

pull1D
Entries 43
Mean 0.00574
Std Dev 0.9844

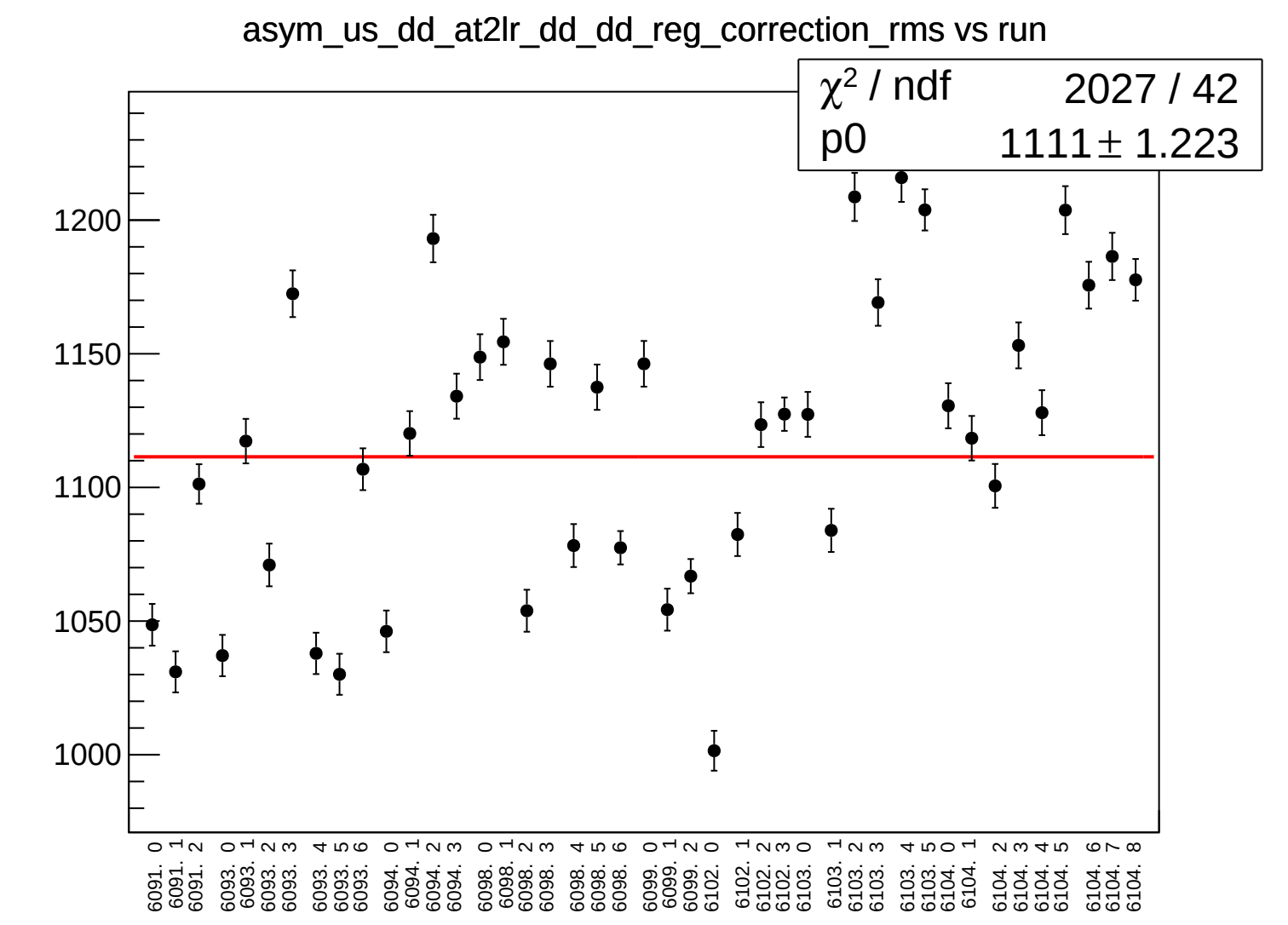

asym_us_dd_at2lr_dd_avg_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 2.463e+05 / 42
p0 9.075e−11 ± 1.19e−13
0.7
0.6
0.5
0.4
0.3
0.2
0.1
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8


reg_asym_us_dd_at2lr_dd_dd_mean vs run
χ² / ndf 41.61 / 42
p0 3422 ± 2176
60000
40000
20000
0
−20000
−40000
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 82.29
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5


pull1D
Entries 43
Mean −0.01562
Std Dev 0.9836
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 212.2 / 42
p0 1400 ± 1.539
1500
1480
1460
1440
1420
1400
1380
1360
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8


asym_us_dd_at2lr_dd_dd_reg_correction_mean vs run
χ² / ndf 38.03 / 42
p0 666.1 ± 1730
30000
20000
10000
0
−10000
−20000
−30000
−40000
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 40.18
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 43
Mean 0.005062
Std Dev 0.9404
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


asym_us_dd_at2lr_dd_dd_reg_correction_rms vs run
χ² / ndf 2027 / 42
p0 1111 ± 1.223
1200
1150
1100
1050
1000
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
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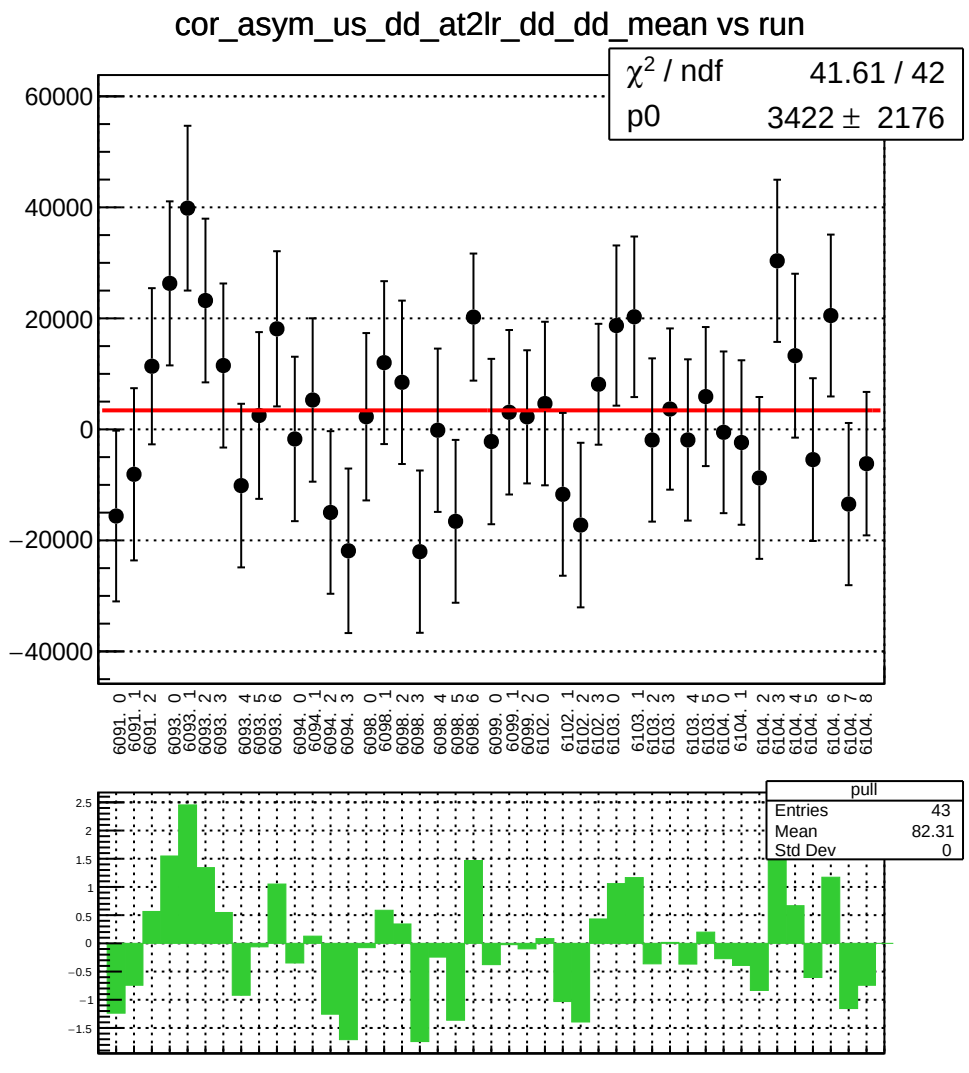
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8


cor_asym_us_dd_at2lr_dd_dd_mean vs run
χ² / ndf 41.61 / 42
p0 3422 ± 2176
60000
40000
20000
0
−20000
−40000
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
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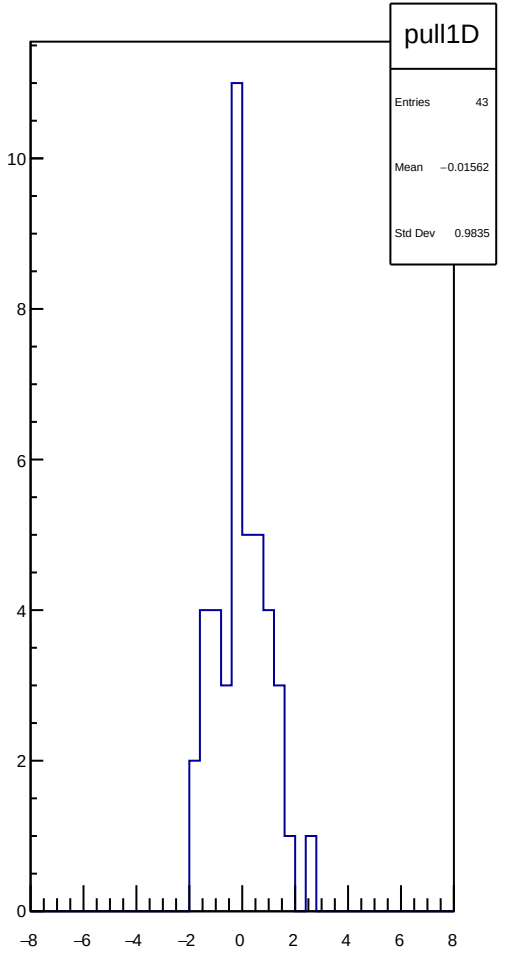
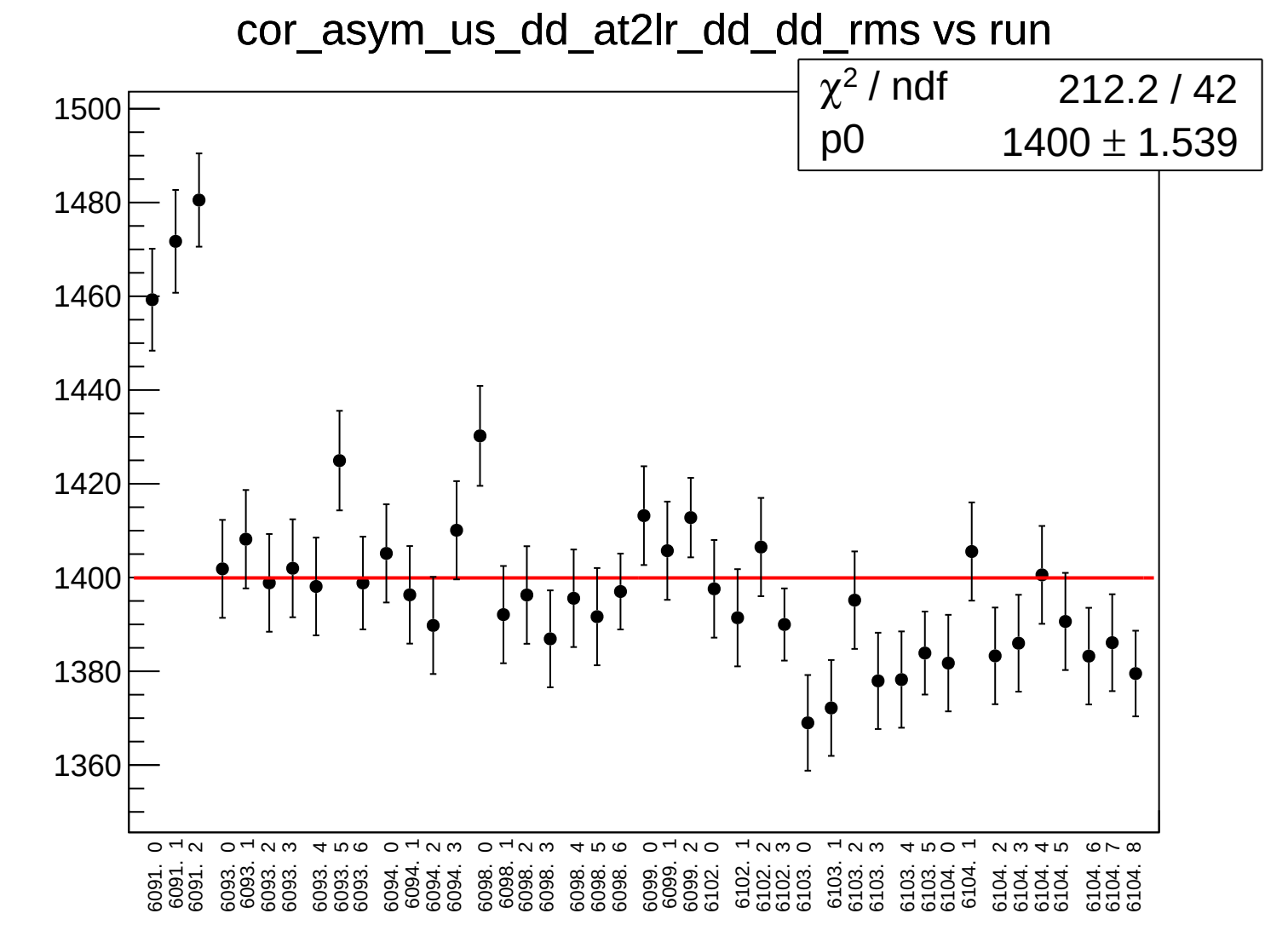
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 82.31
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5


pull1D
Entries 43
Mean −0.01562
Std Dev 0.9835
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 212.2 / 42
p0 1400 ± 1.539
1500
1480
1460
1440
1420
1400
1380
1360
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
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6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
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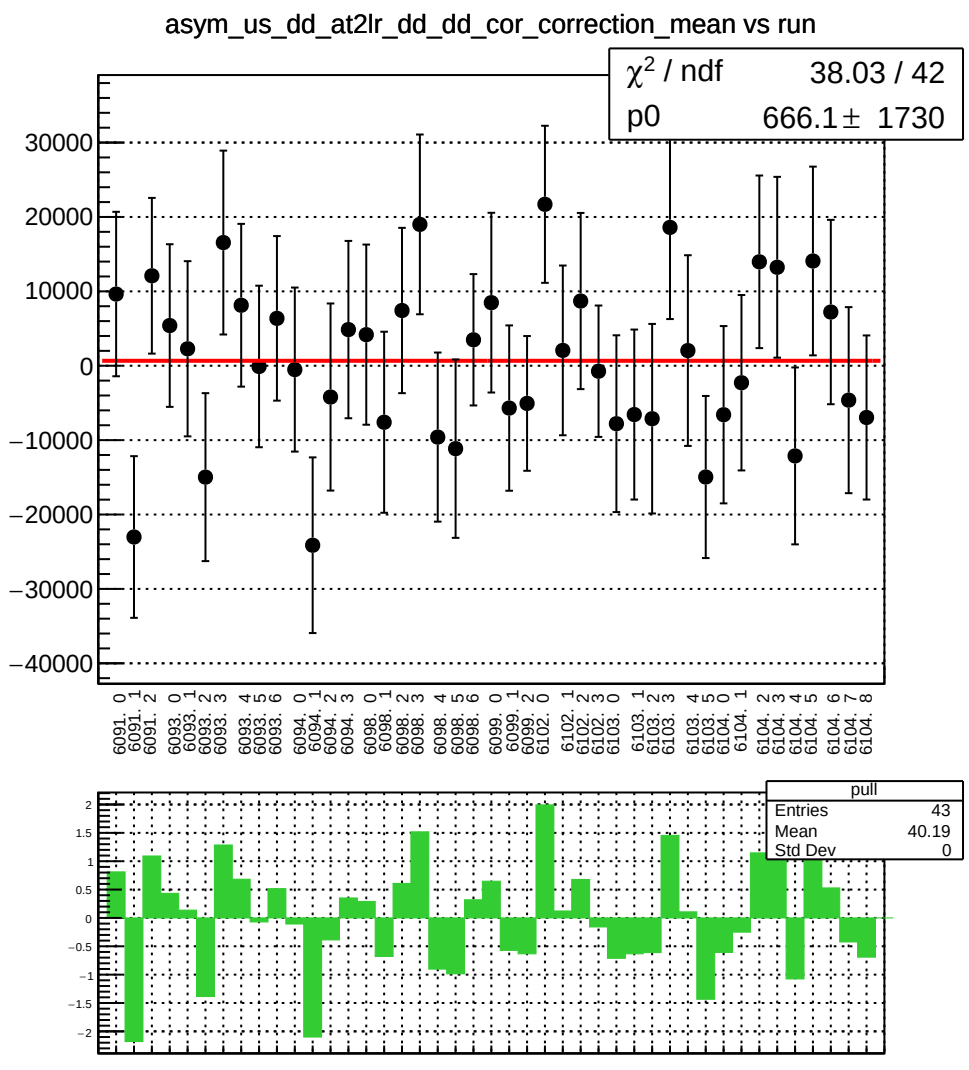
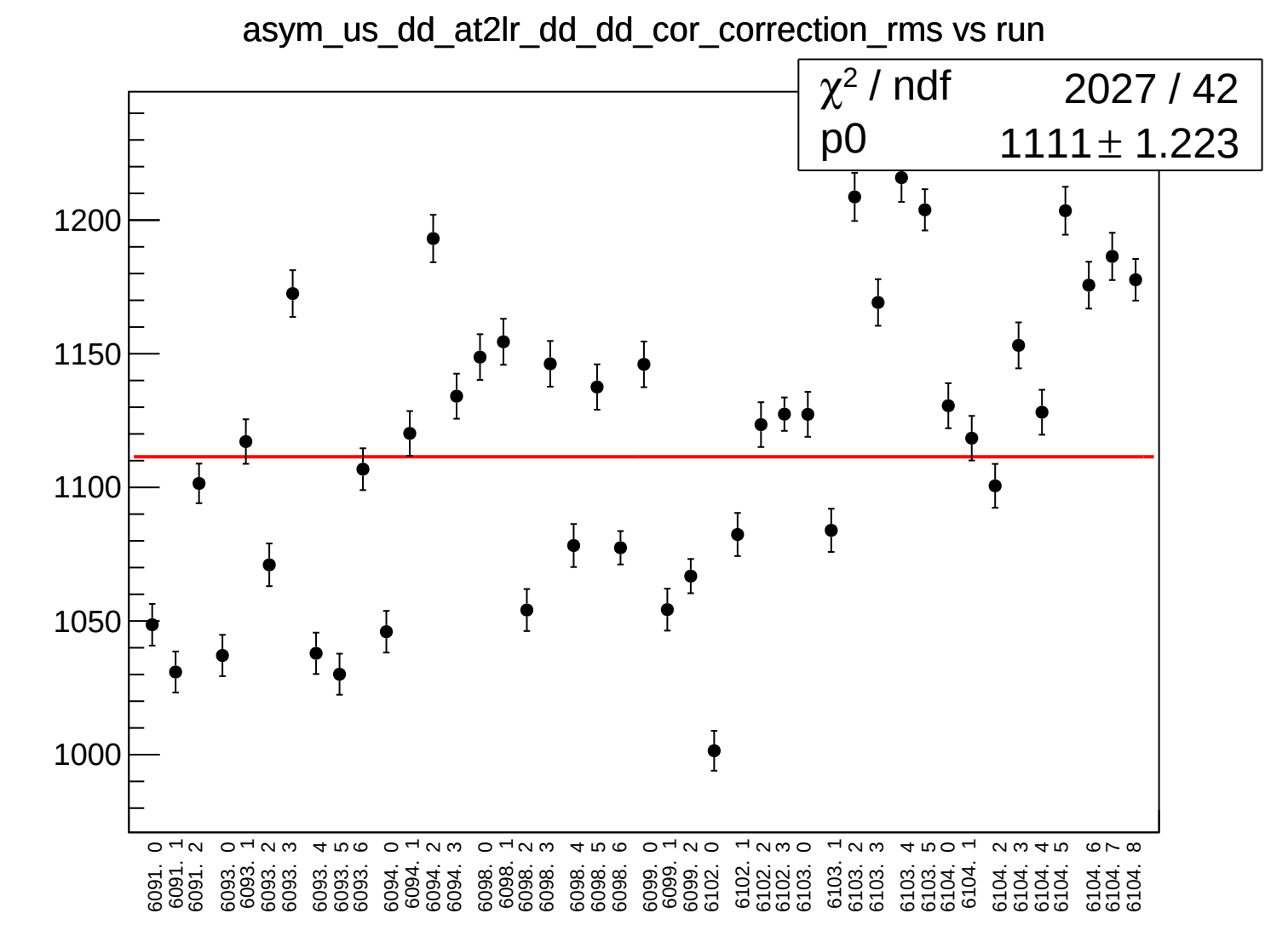
6104. 7
6104. 8


asym_us_dd_at2lr_dd_dd_cor_correction_mean vs run
χ² / ndf 38.03 / 42
p0 666.1 ± 1730
30000
20000
10000
0
−10000
−20000
−30000
−40000
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 40.19
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 43
Mean 0.005066
Std Dev 0.9404
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


asym_us_dd_at2lr_dd_dd_cor_correction_rms vs run
χ² / ndf 2027 / 42
p0 1111 ± 1.223
1200
1150
1100
1050
1000
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
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6094. 3
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6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
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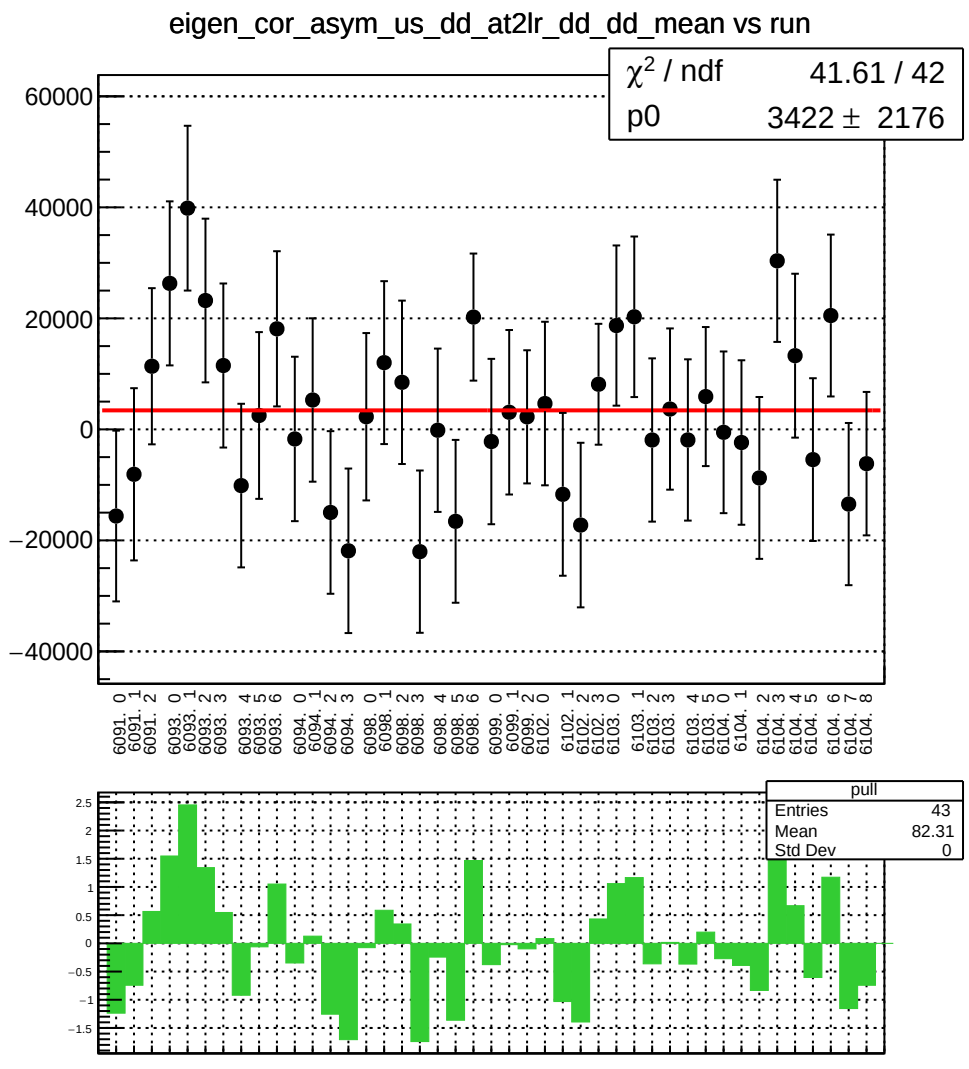
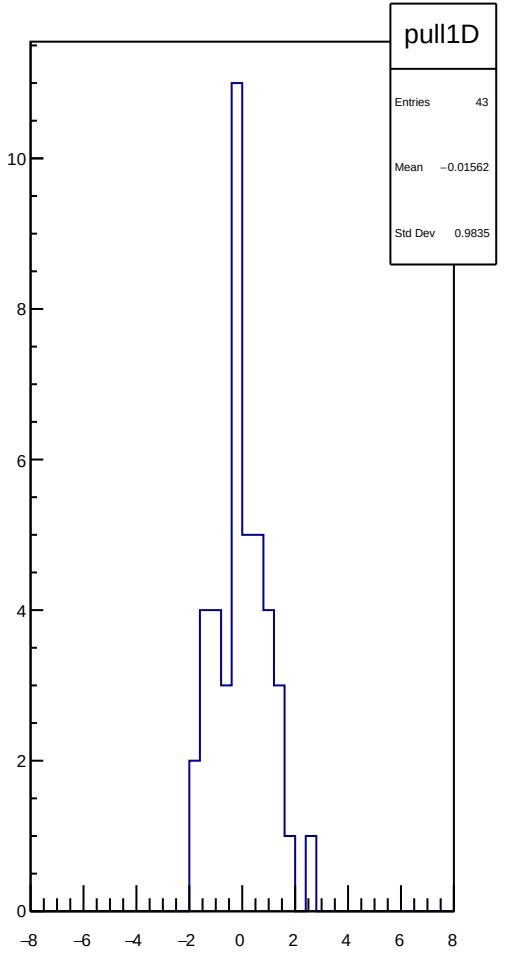
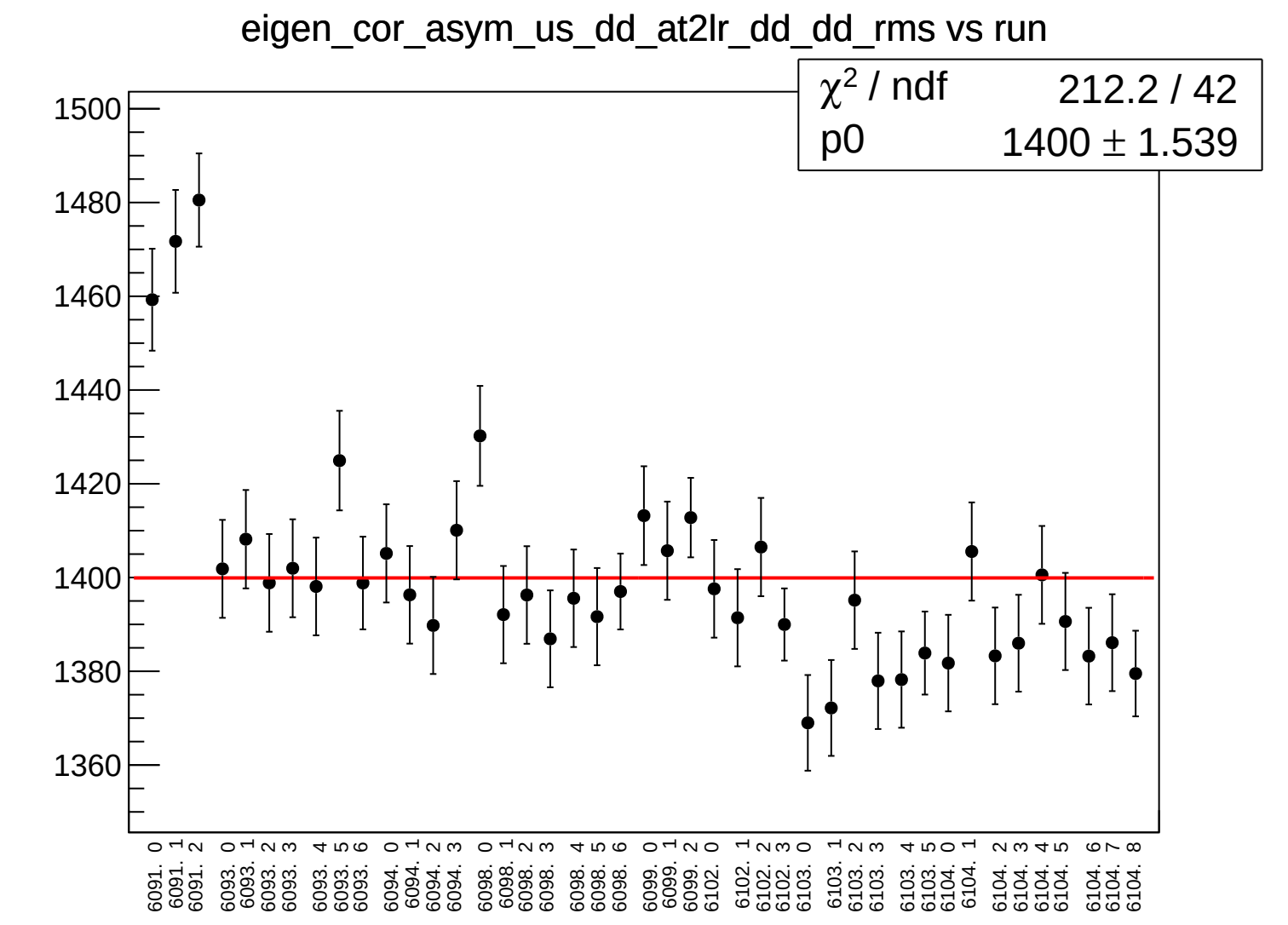
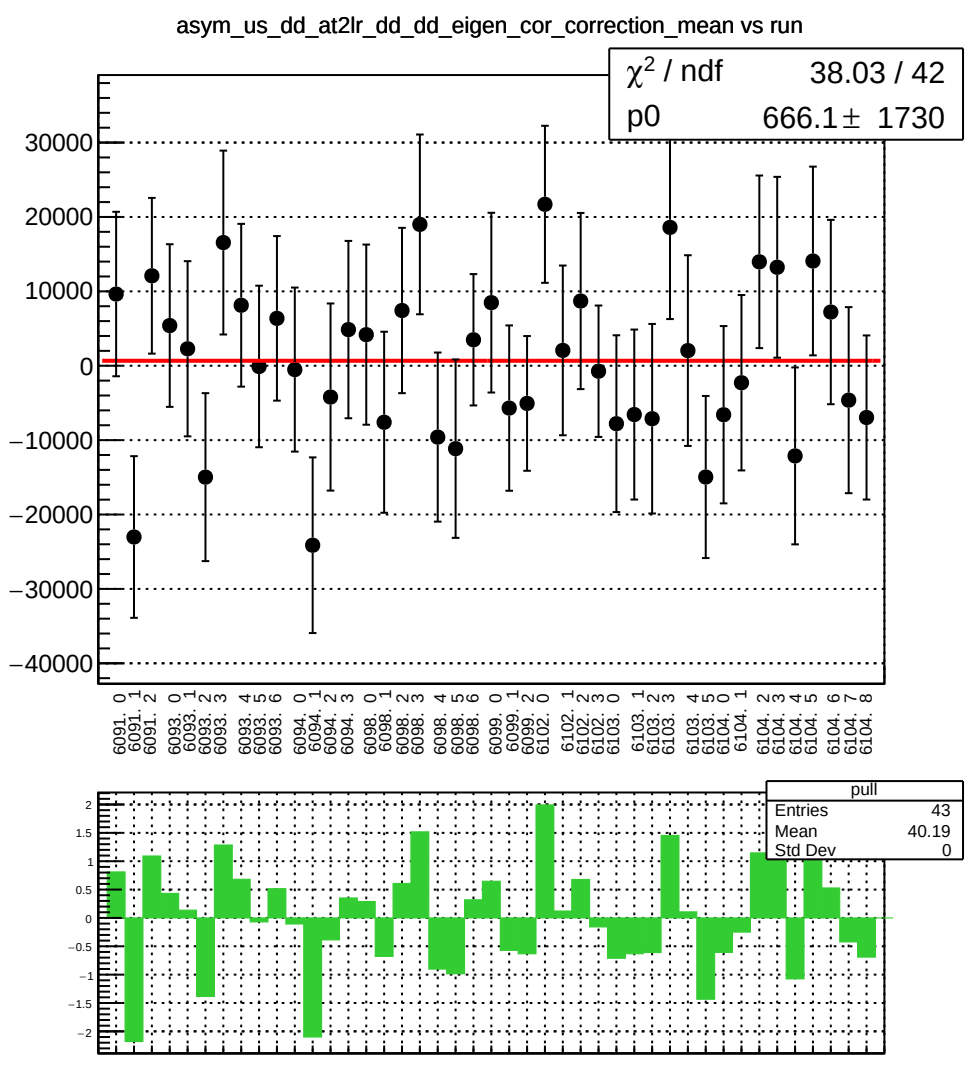
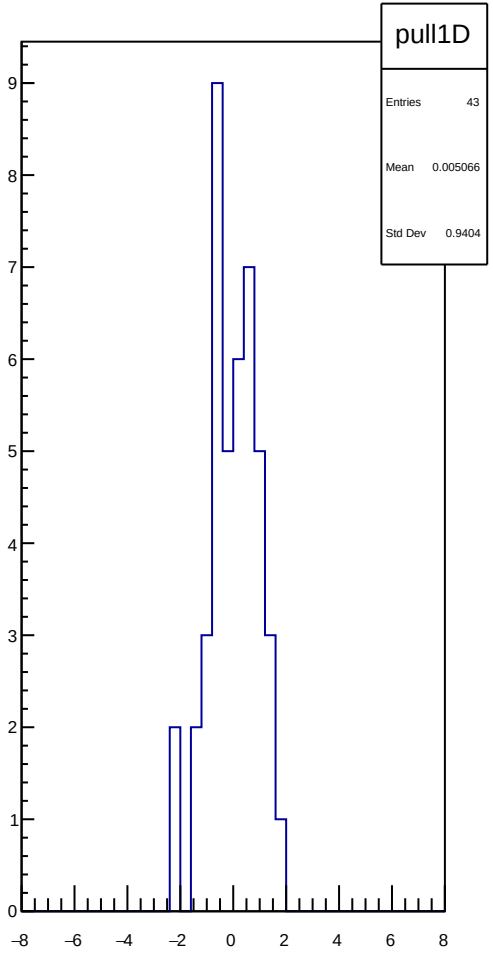
6104. 5
6104. 6
6104. 7
6104. 8

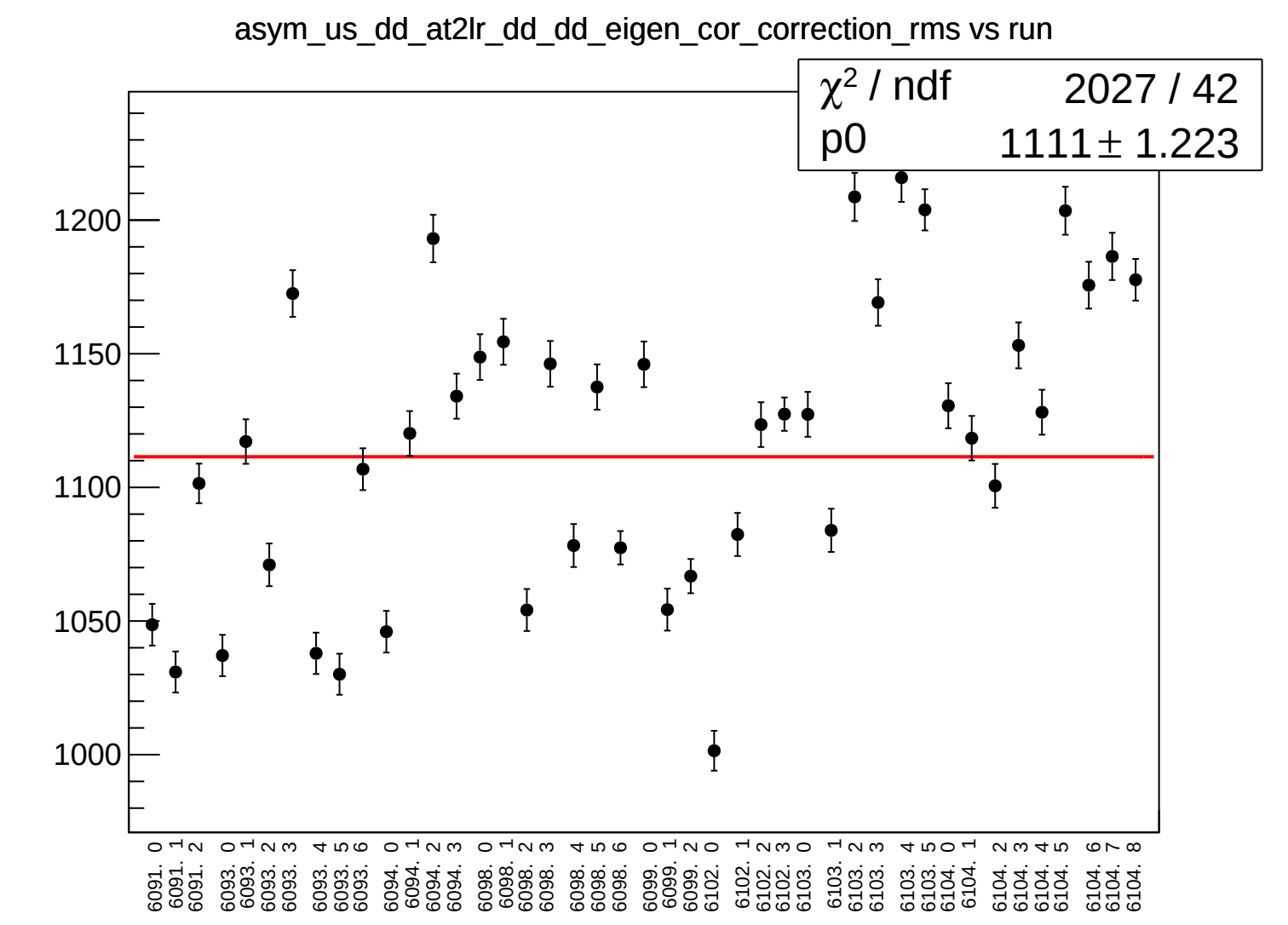

eigen_cor_asym_us_dd_at2lr_dd_dd_mean vs run
χ² / ndf 41.61 / 42
p0 3422 ± 2176
60000
40000
20000
0
−20000
−40000
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 82.31
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5

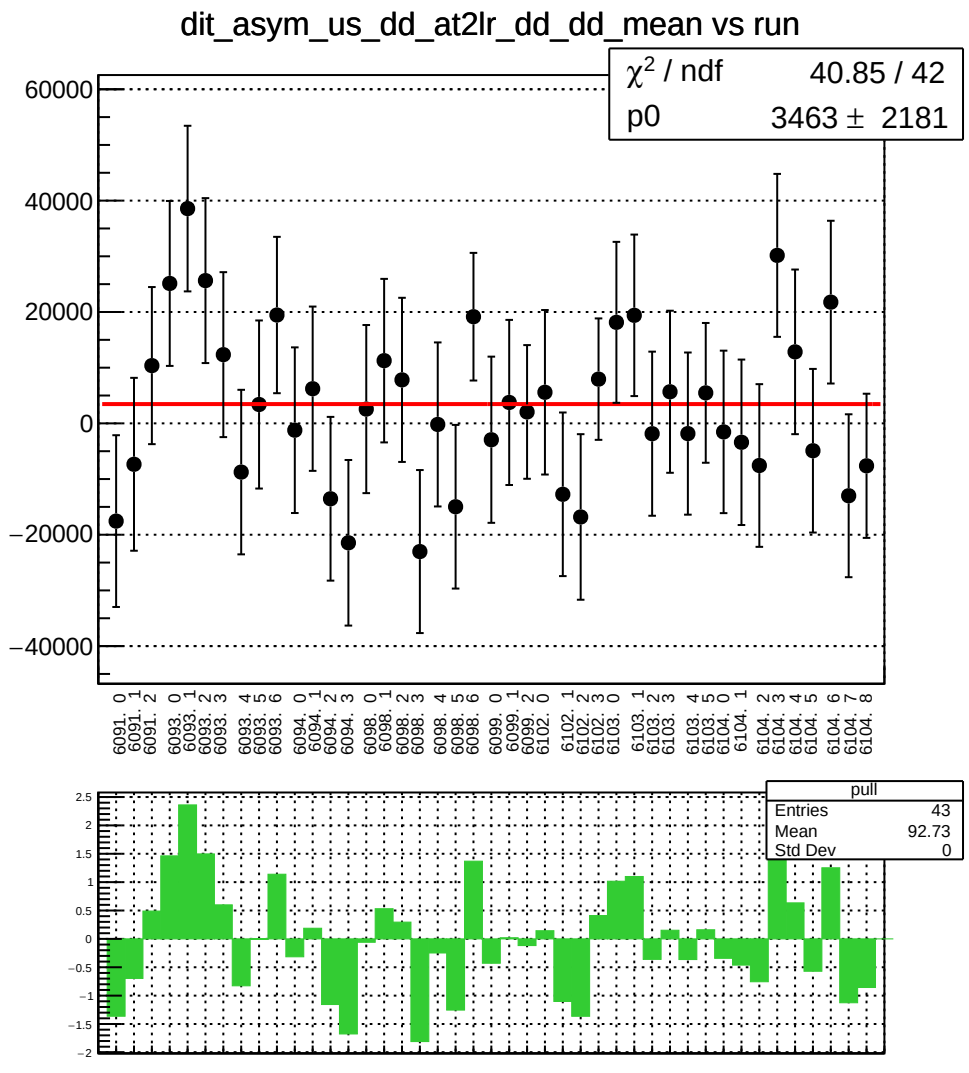

pull1D
Entries 43
Mean −0.01562
Std Dev 0.9835
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


eigen_cor_asym_us_dd_at2lr_dd_dd_rms vs run
χ² / ndf 212.2 / 42
p0 1400 ± 1.539
1500
1480
1460
1440
1420
1400
1380
1360
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8


asym_us_dd_at2lr_dd_dd_eigen_cor_correction_mean vs run
χ² / ndf 38.03 / 42
p0 666.1 ± 1730
30000
20000
10000
0
−10000
−20000
−30000
−40000
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 40.19
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2


pull1D
Entries 43
Mean 0.005066
Std Dev 0.9404
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


asym_us_dd_at2lr_dd_dd_eigen_cor_correction_rms vs run
χ² / ndf 2027 / 42
p0 1111 ± 1.223
1200
1150
1100
1050
1000
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8


dit_asym_us_dd_at2lr_dd_dd_mean vs run
χ² / ndf 40.85 / 42
p0 3463 ± 2181
60000
40000
20000
0
−20000
−40000
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
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6094. 2
6094. 3
6098. 0
6098. 1
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6098. 4
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6098. 6
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6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
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6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 92.73
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 43
Mean −0.01423
Std Dev 0.9746
8
7
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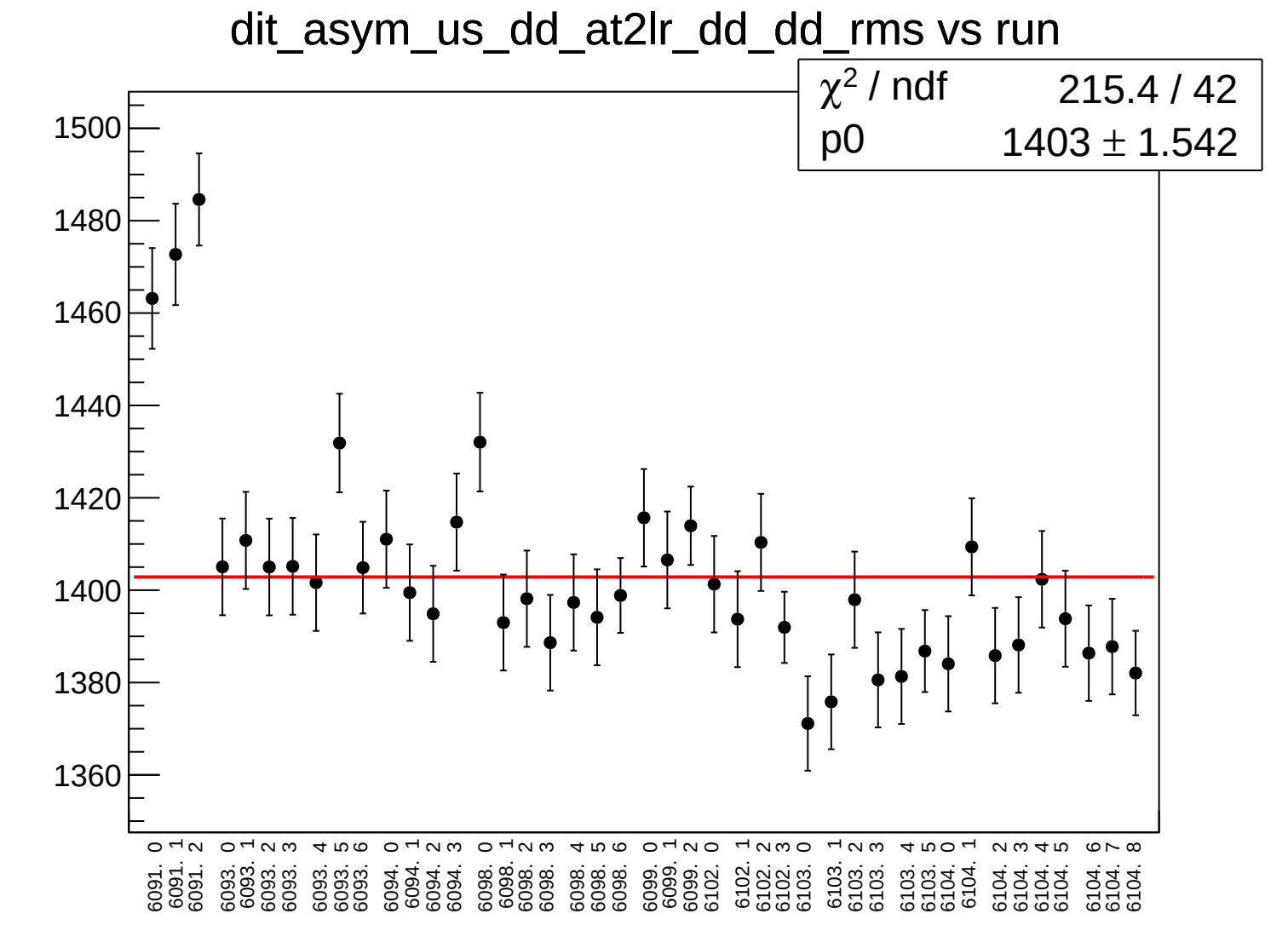
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


dit_asym_us_dd_at2lr_dd_dd_rms vs run
χ² / ndf 215.4 / 42
p0 1403 ± 1.542
1500
1480
1460
1440
1420
1400
1380
1360
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
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6098. 4
6098. 5
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6099. 0
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6099. 2
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6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
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6104. 1
6104. 2
6104. 3
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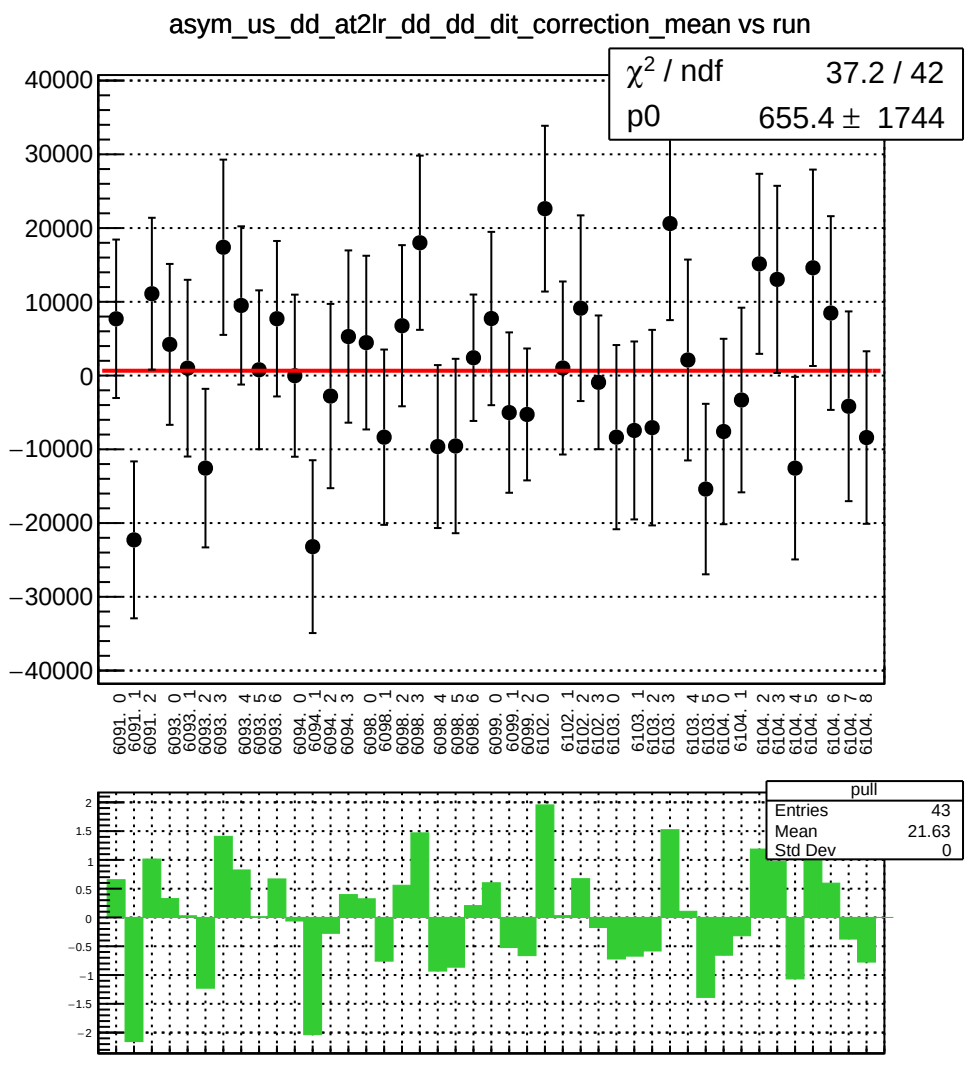
6104. 5
6104. 6
6104. 7
6104. 8


asym_us_dd_at2lr_dd_dd_dit_correction_mean vs run
χ² / ndf 37.2 / 42
p0 655.4 ± 1744
40000
30000
20000
10000
0
−10000
−20000
−30000
−40000
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
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6093. 3
6093. 4
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6102. 1
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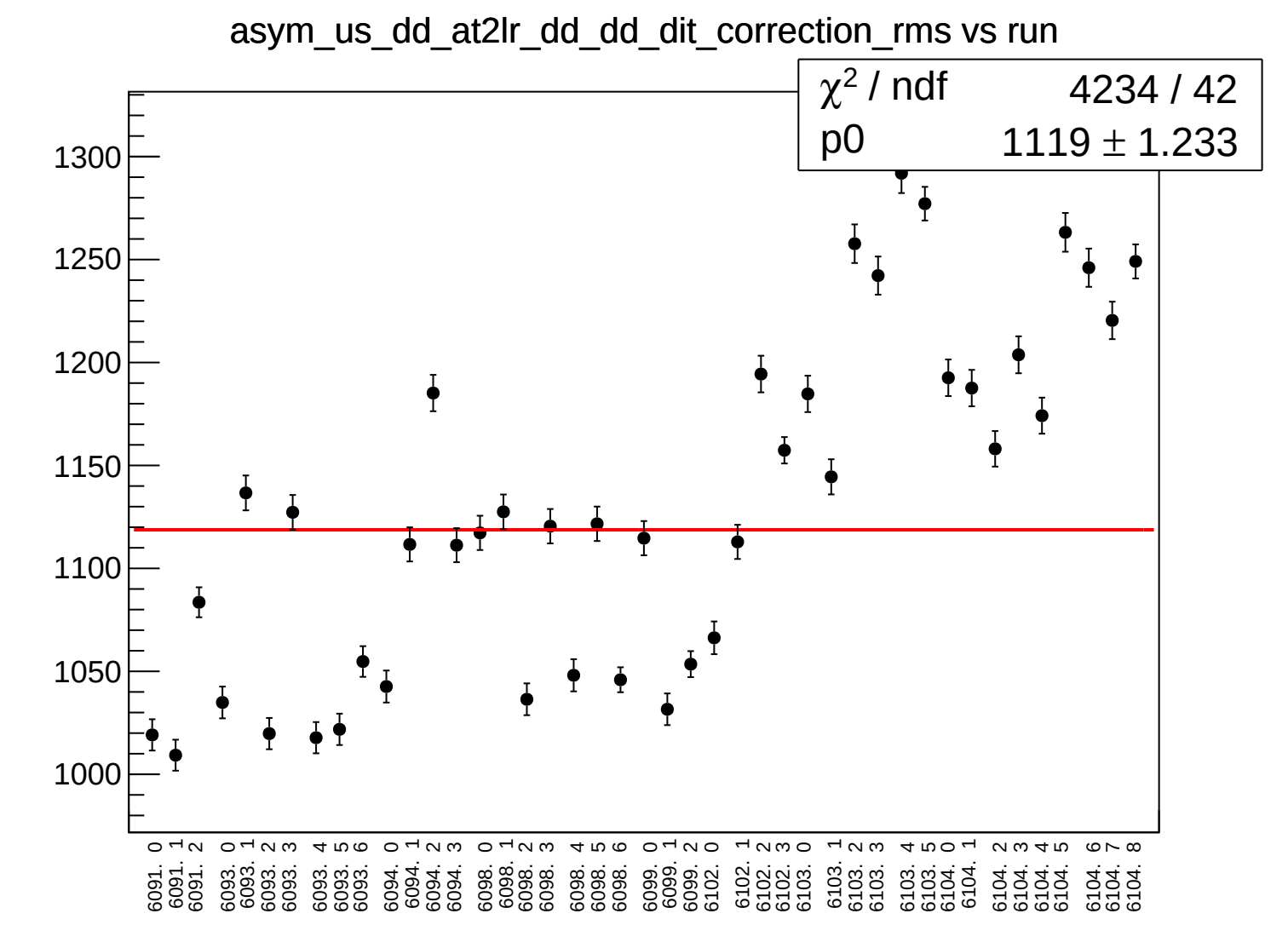
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 21.63
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 43
Mean 0.008793
Std Dev 0.9301
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


asym_us_dd_at2lr_dd_dd_dit_correction_rms vs run
χ² / ndf 4234 / 42
p0 1119 ± 1.233
1300
1250
1200
1150
1100
1050
1000
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
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6094. 2
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6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
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6104. 1
6104. 2
6104. 3
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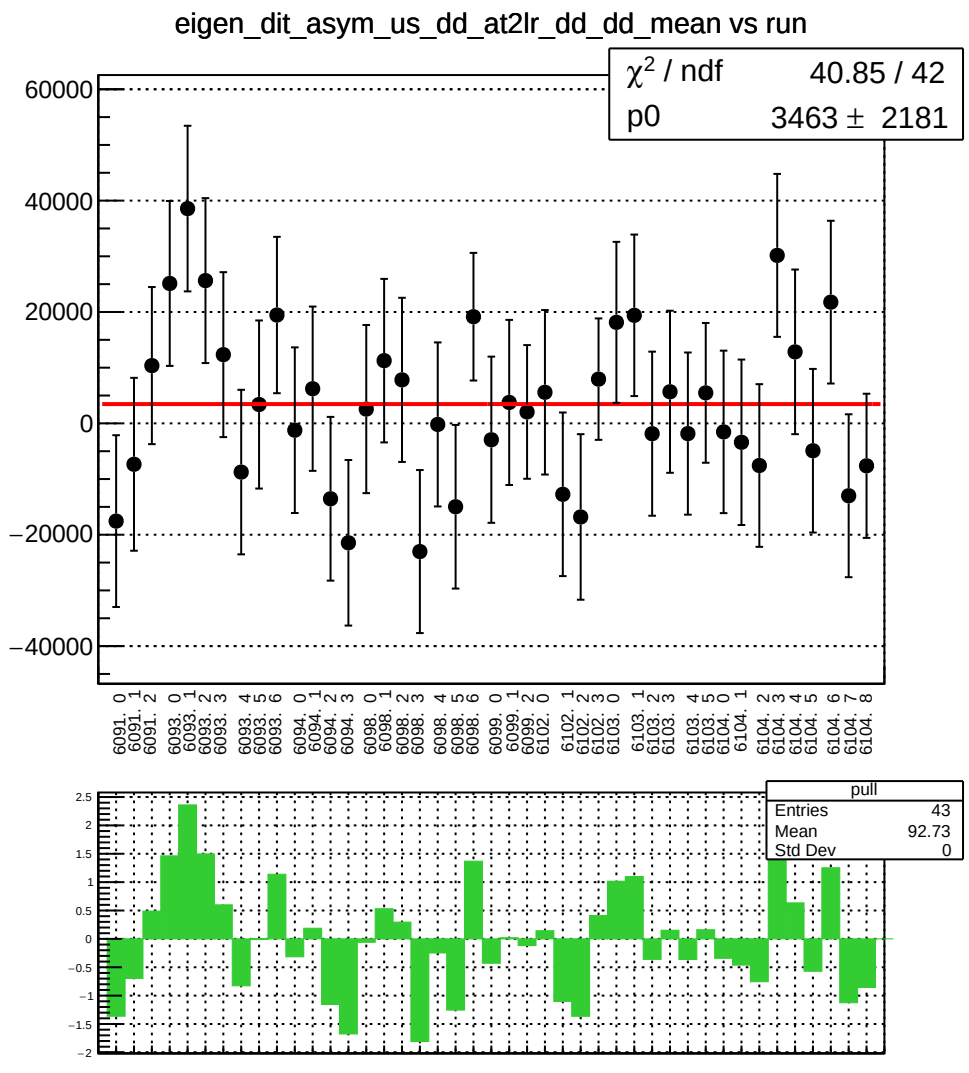
6104. 5
6104. 6
6104. 7
6104. 8


eigen_dit_asym_us_dd_at2lr_dd_dd_mean vs run
χ² / ndf 40.85 / 42
p0 3463 ± 2181
60000
40000
20000
0
−20000
−40000
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
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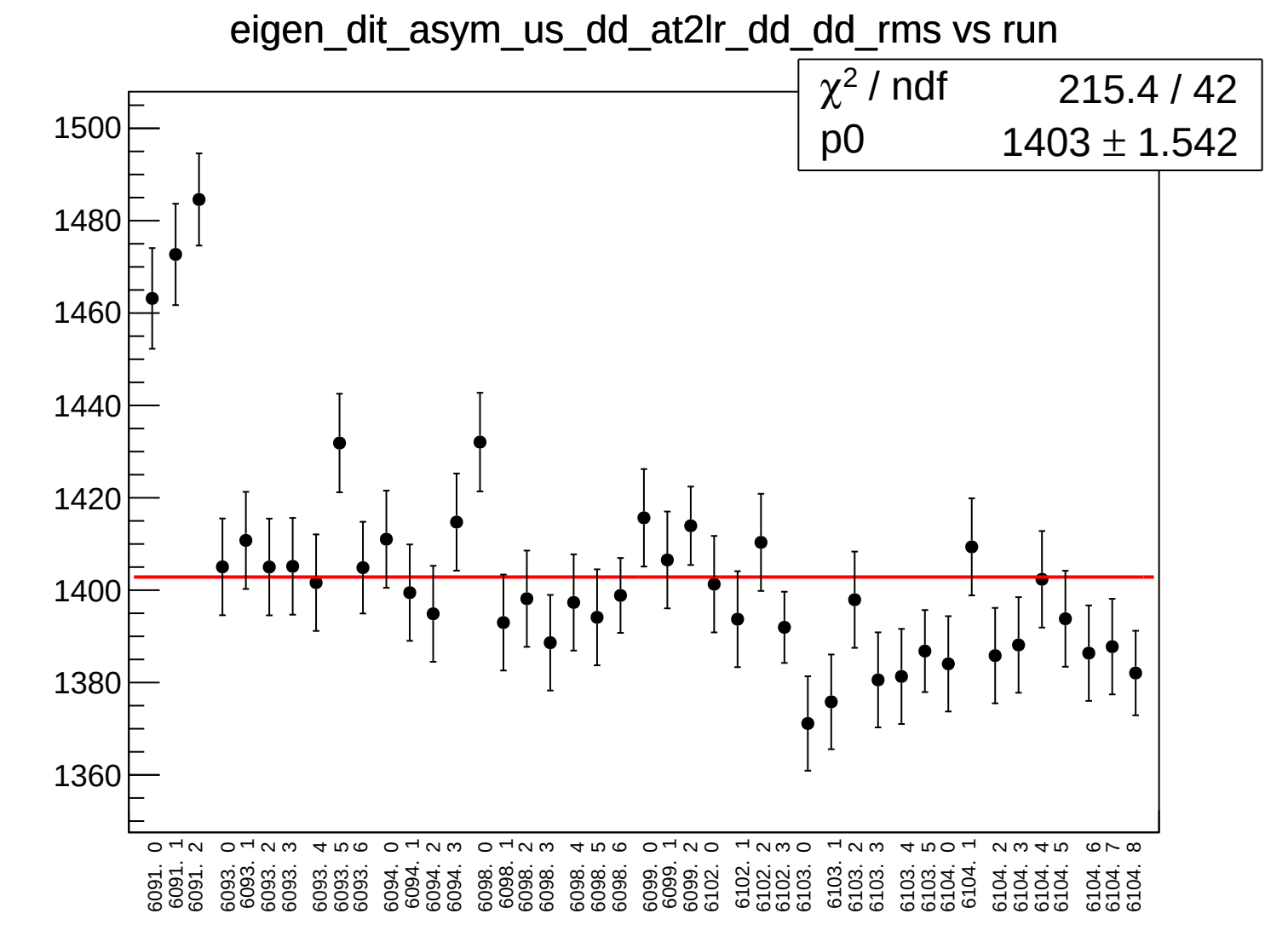
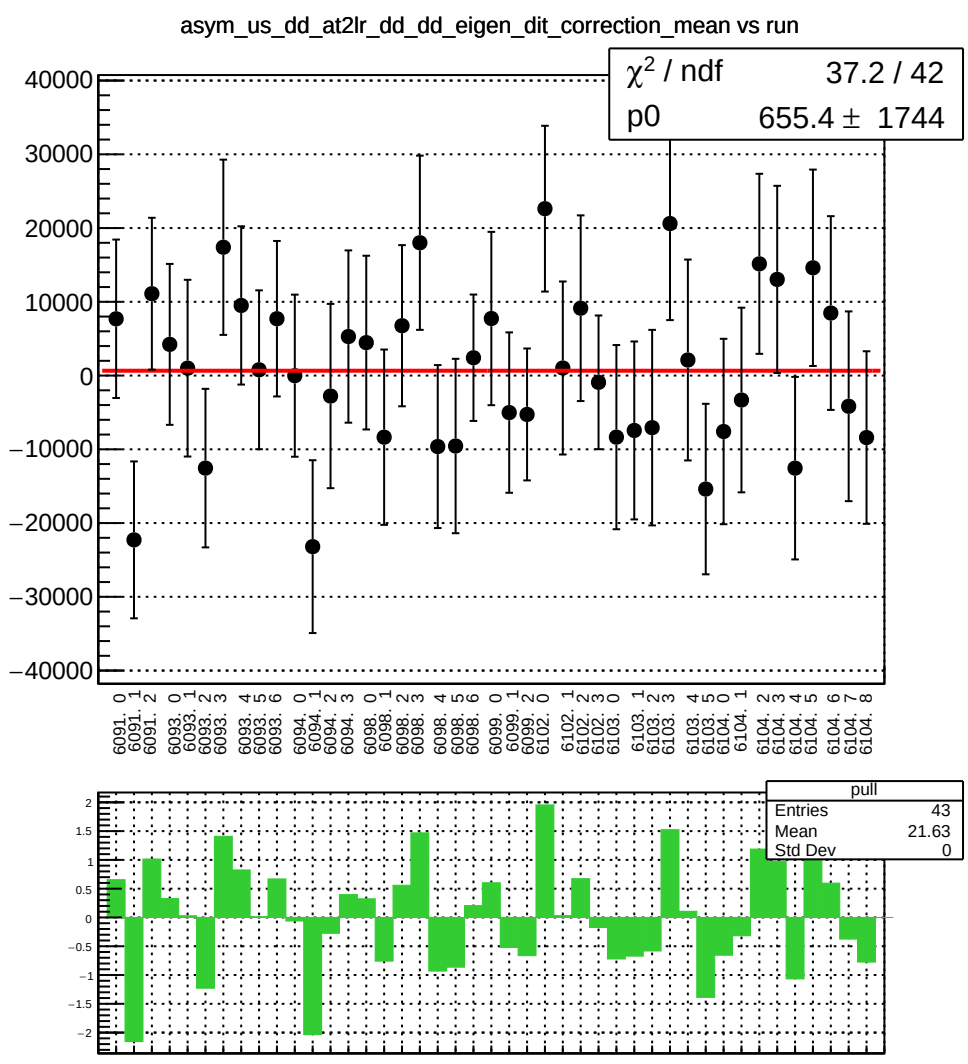
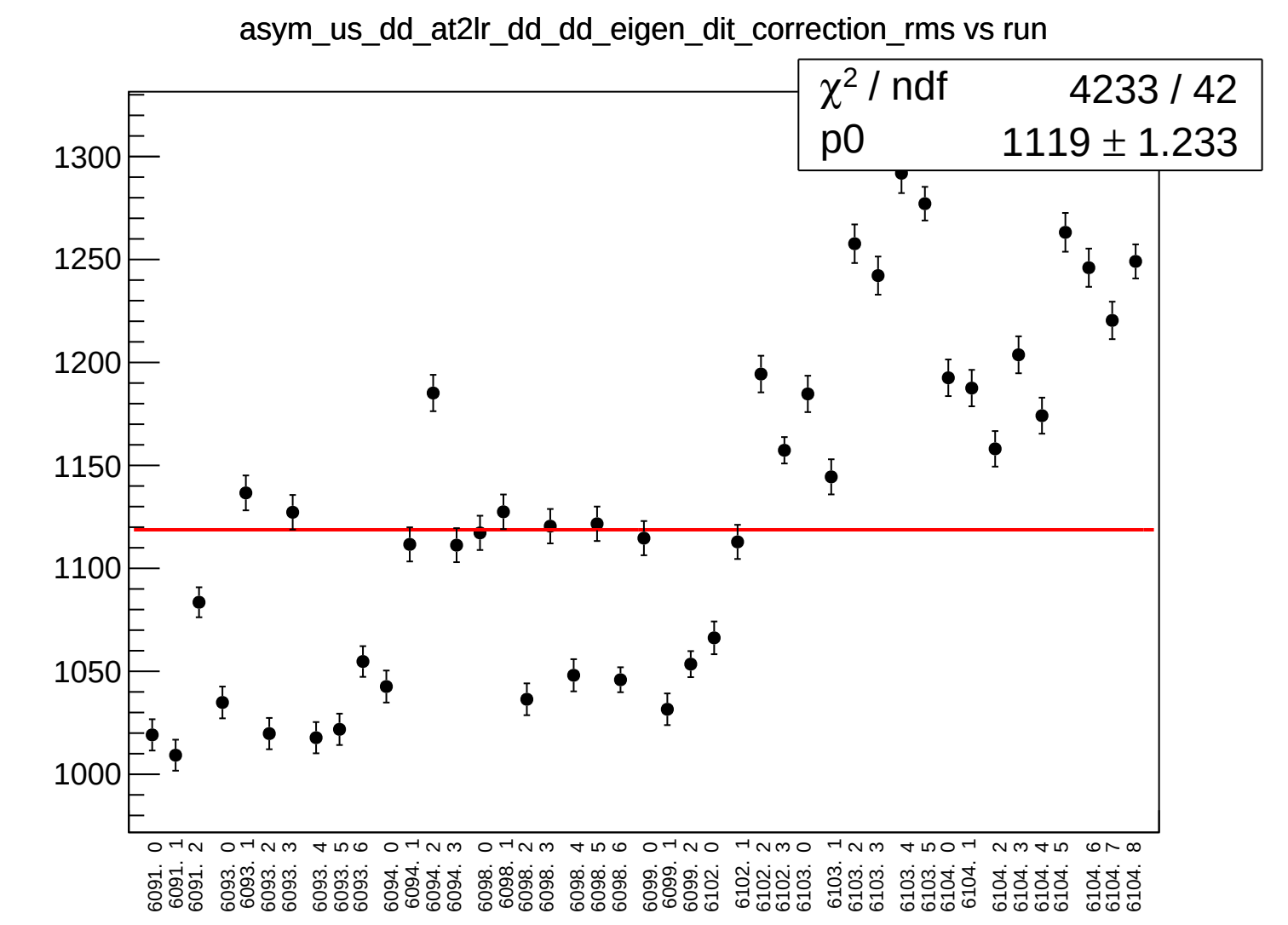
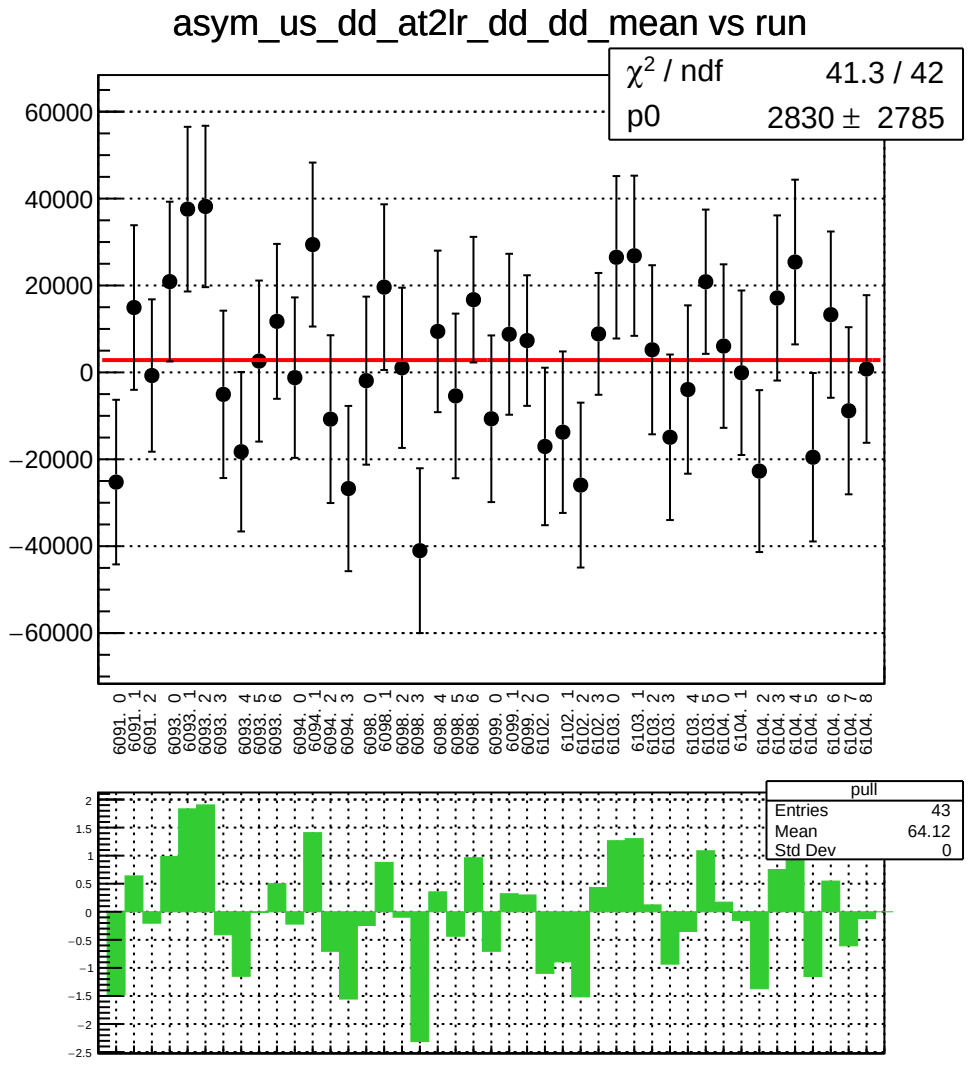
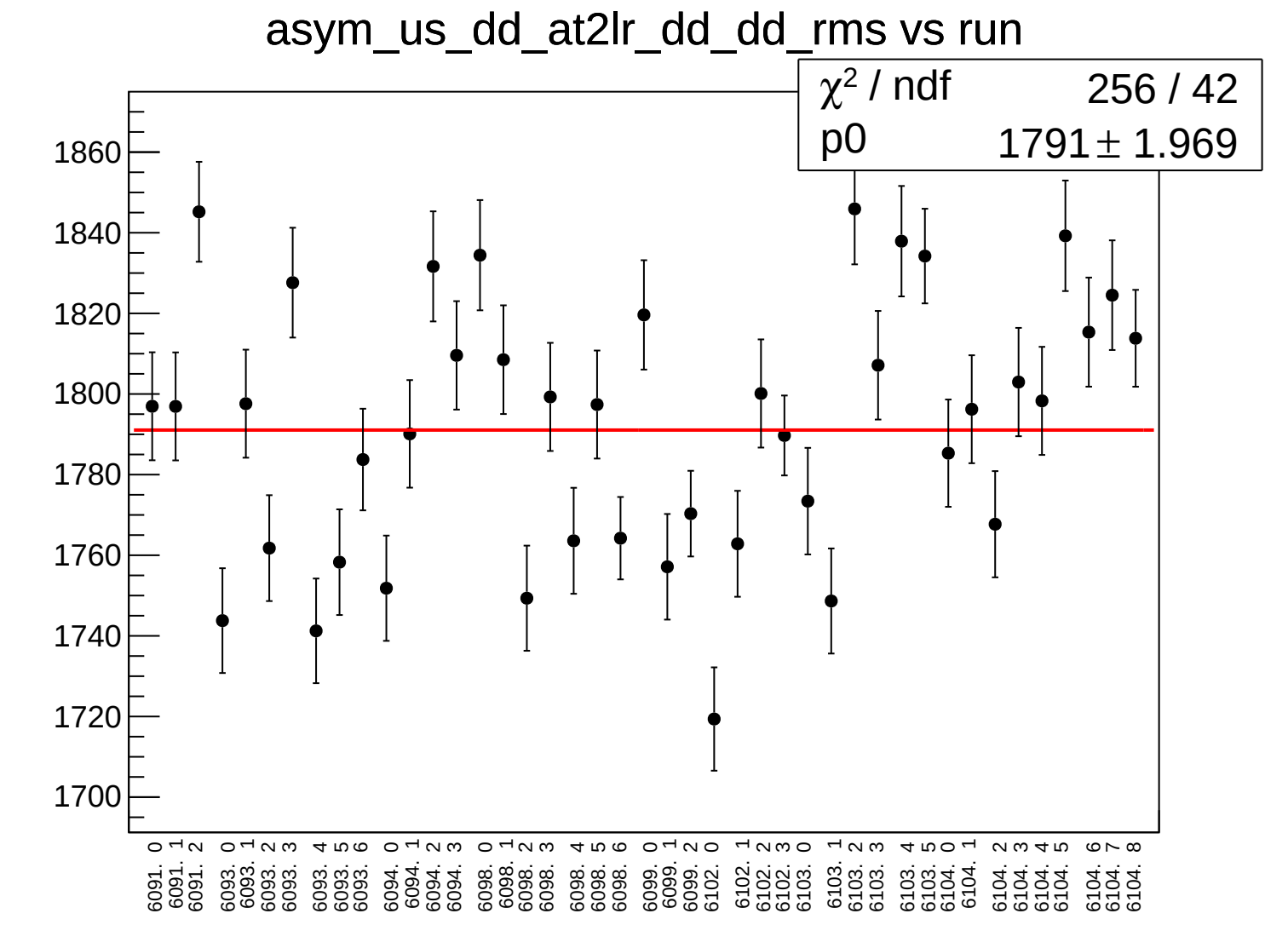
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 92.73
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 43
Mean −0.01423
Std Dev 0.9746
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

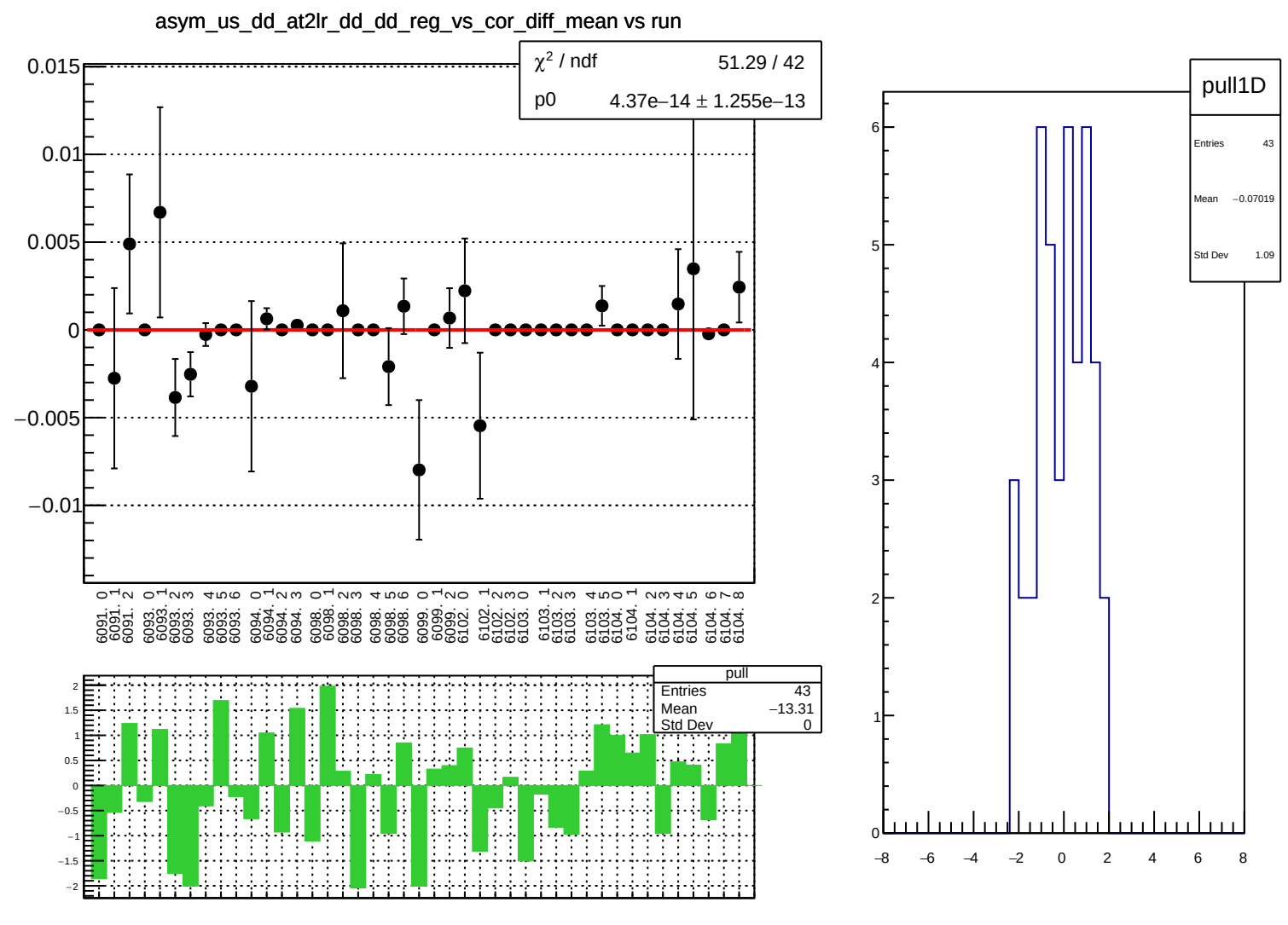

eigen_dit_asym_us_dd_at2lr_dd_dd_rms vs run
χ² / ndf 215.4 / 42
p0 1403 ± 1.542
1500
1480
1460
1440
1420
1400
1380
1360
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

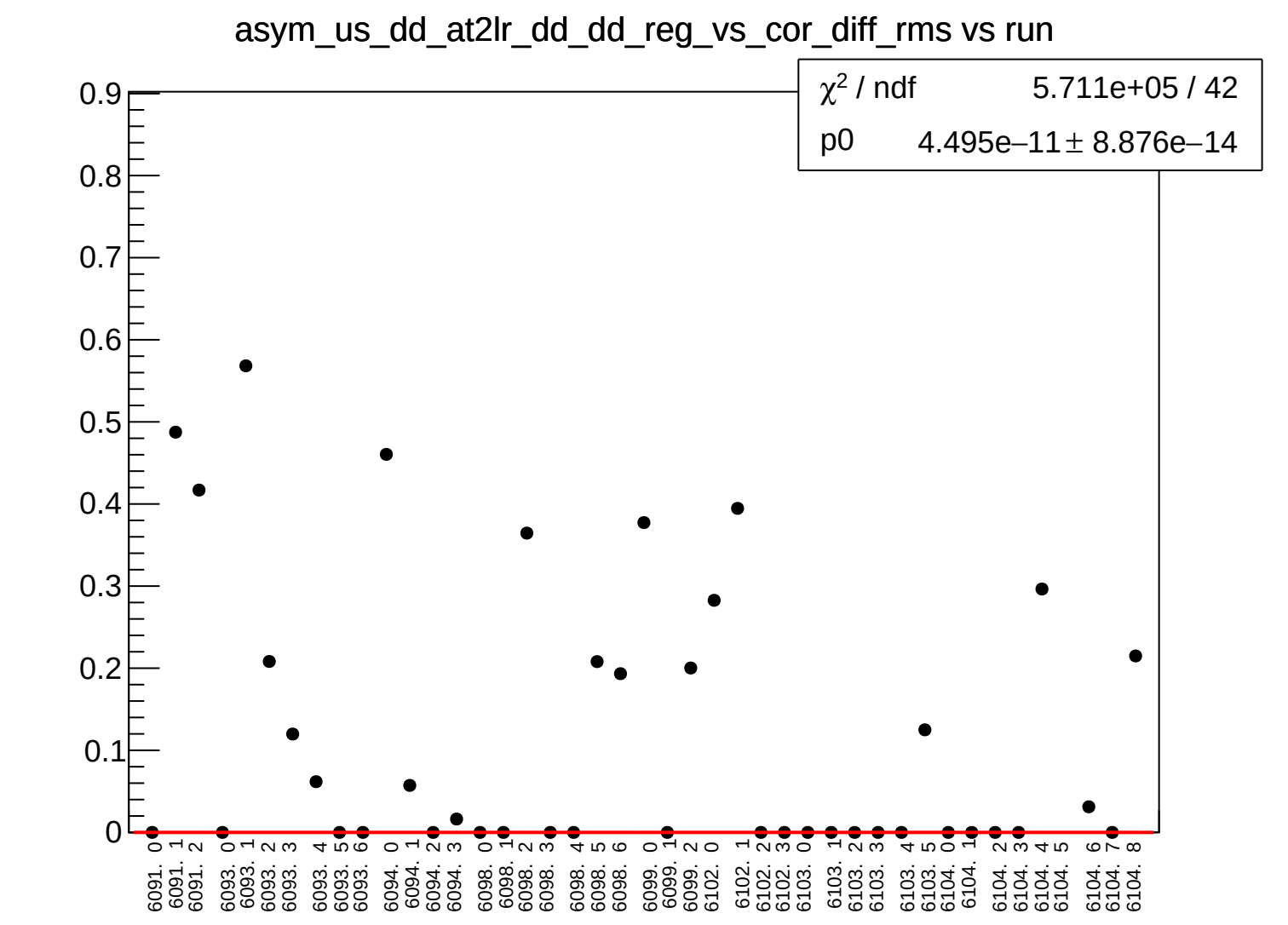

asym_us_dd_at2lr_dd_dd_eigen_dit_correction_mean vs run
χ² / ndf 37.2 / 42
p0 655.4 ± 1744
40000
30000
20000
10000
0
−10000
−20000
−30000
−40000
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 21.63
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 43
Mean 0.008793
Std Dev 0.9301
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

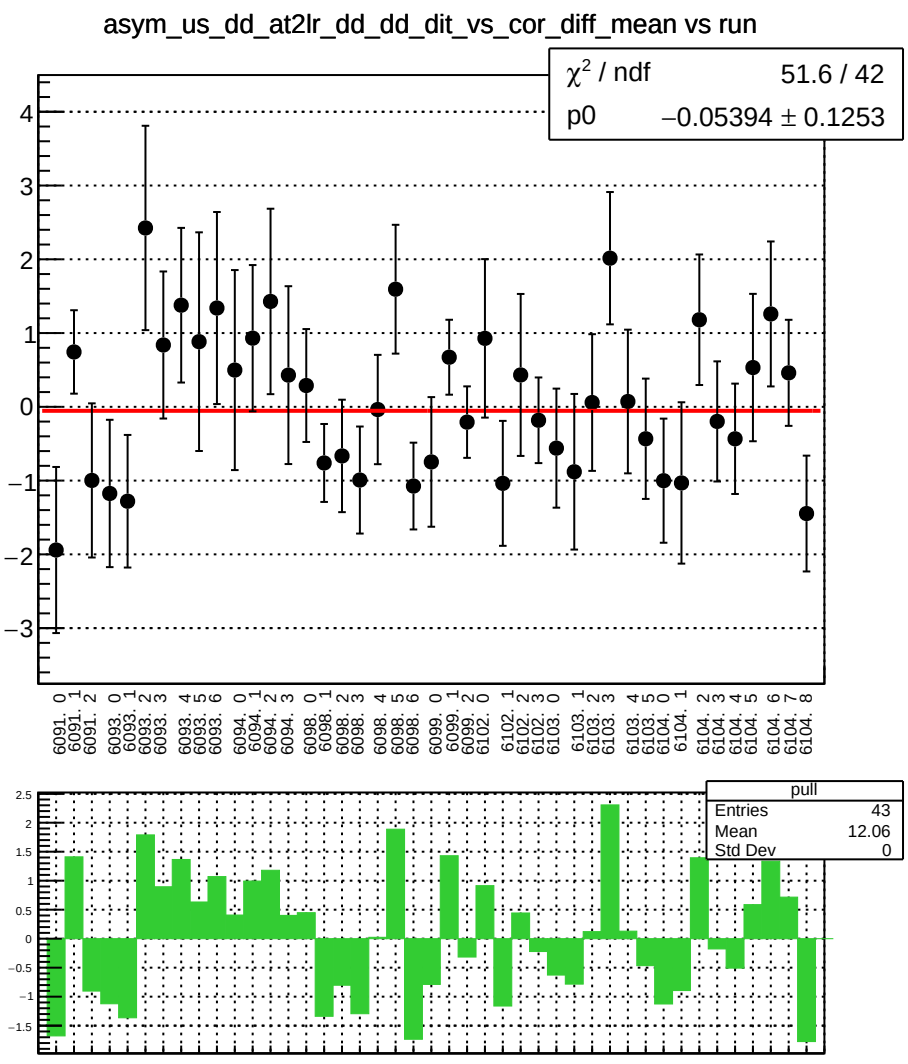

asym_us_dd_at2lr_dd_dd_eigen_dit_correction_rms vs run
χ² / ndf 4233 / 42
p0 1119 ± 1.233
1300
1250
1200
1150
1100
1050
1000
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

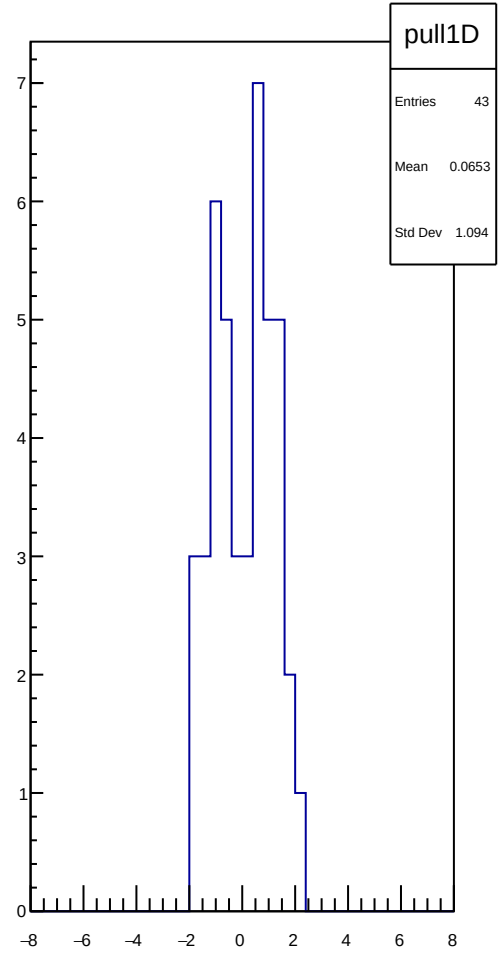

asym_us_dd_at2lr_dd_dd_mean vs run
χ² / ndf 41.3 / 42
p0 2830 ± 2785
60000
40000
20000
0
−20000
−40000
−60000
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 64.12
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5
pull1D
Entries 43
Mean −0.01778
Std Dev 0.9799
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

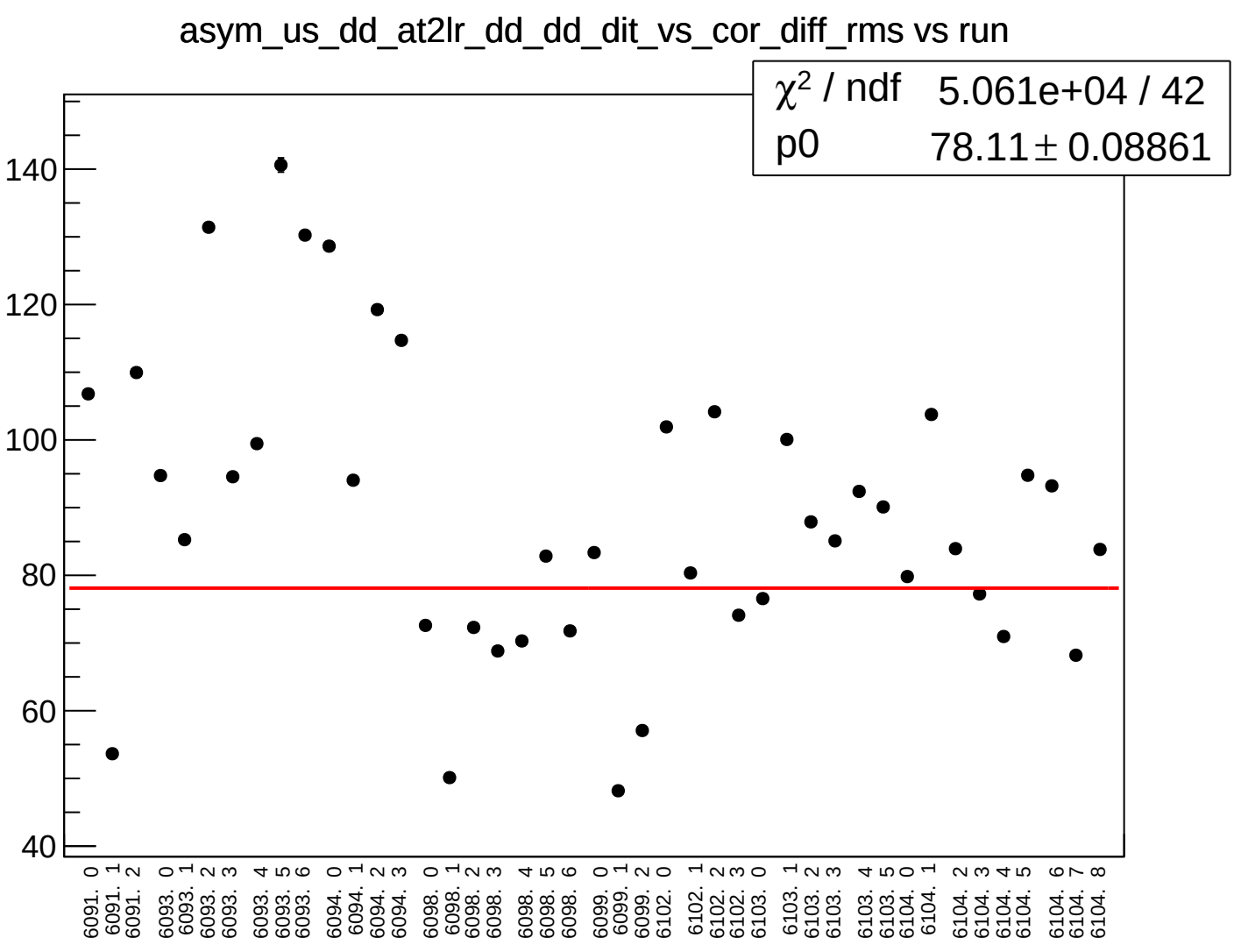

asym_us_dd_at2lr_dd_dd_rms vs run
χ² / ndf 256 / 42
p0 1791 ± 1.969
1860
1840
1820
1800
1780
1760
1740
1720
1700
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

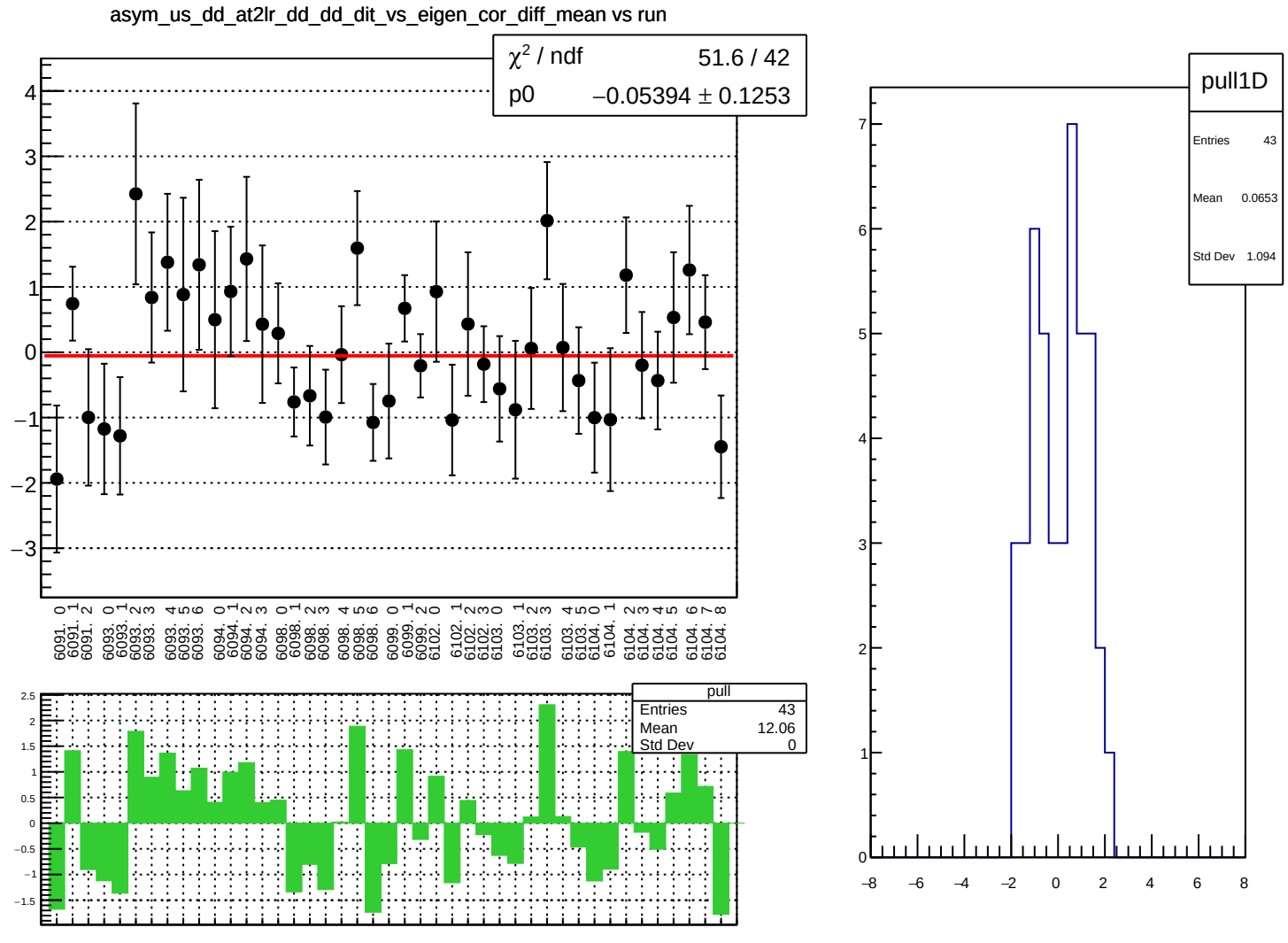

asym_us_dd_at2lr_dd_dd_reg_vs_cor_diff_mean vs run
χ² / ndf 51.29 / 42
p0 4.37e−14 ± 1.255e−13
0.015
0.01
0.005
0
−0.005
−0.01
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean −13.31
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 43
Mean −0.07019
Std Dev 1.09
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

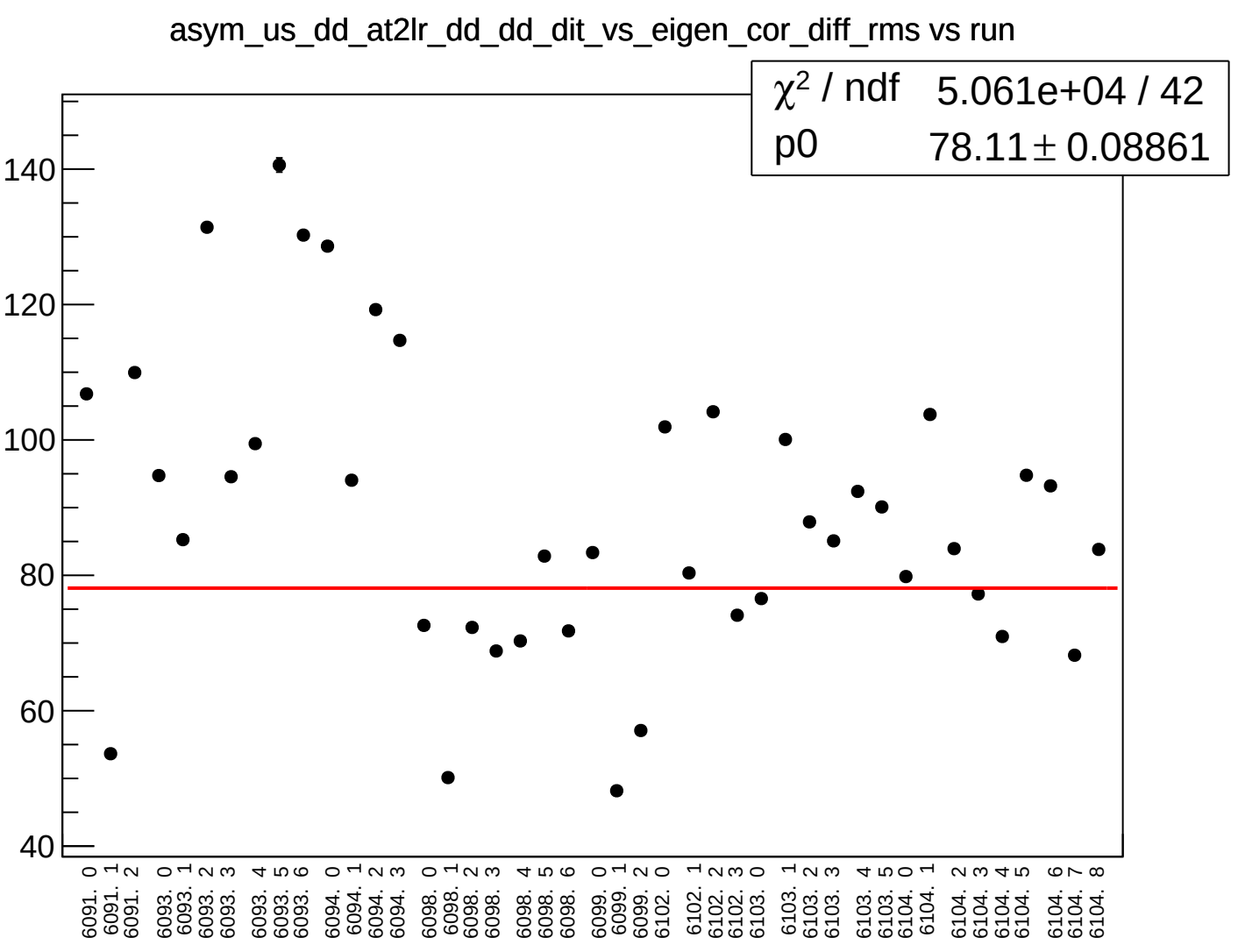

asym_us_dd_at2lr_dd_dd_reg_vs_cor_diff_rms vs run
χ² / ndf 5.711e+05 / 42
p0 4.495e−11 ± 8.876e−14
0.9
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

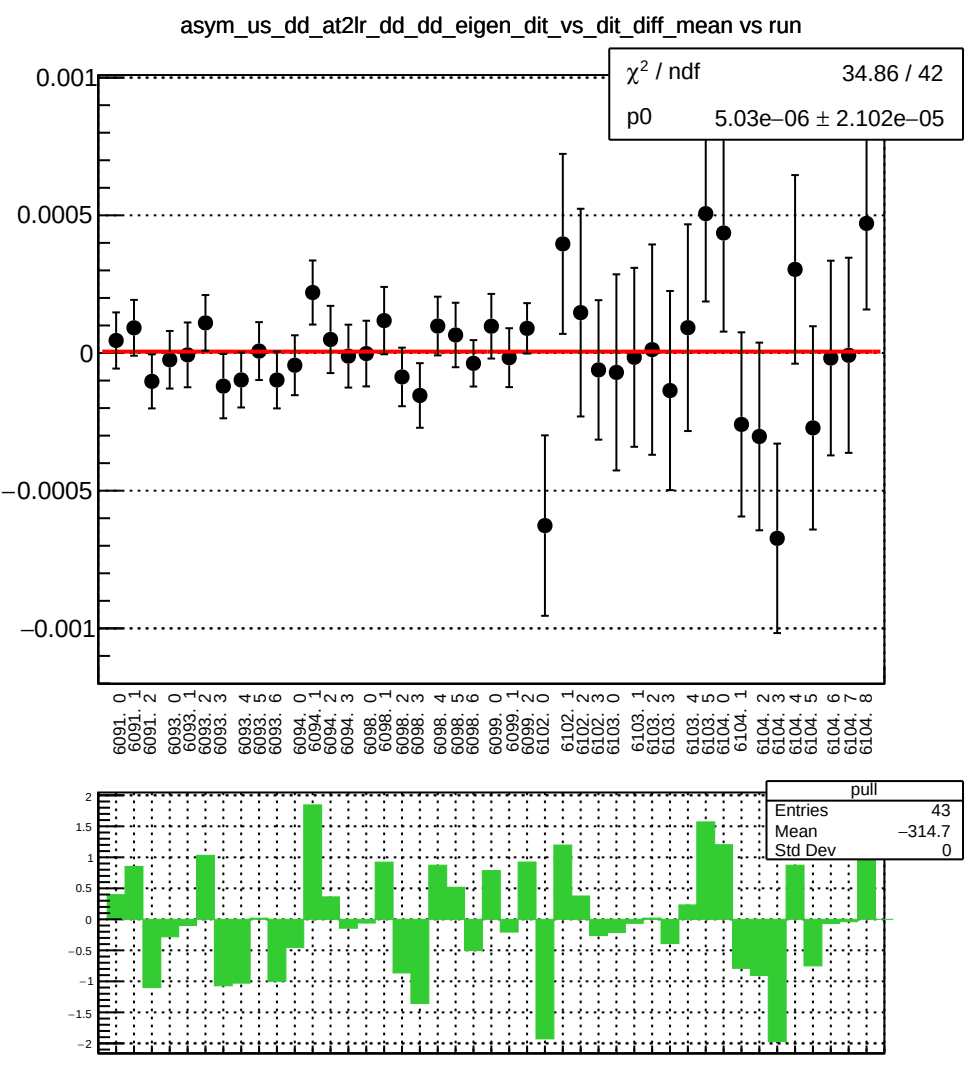

asym_us_dd_at2lr_dd_dd_dit_vs_cor_diff_mean vs run
χ² / ndf 51.6 / 42
p0 −0.05394 ± 0.1253
pull
Entries 43
Mean 12.06
Std Dev 0

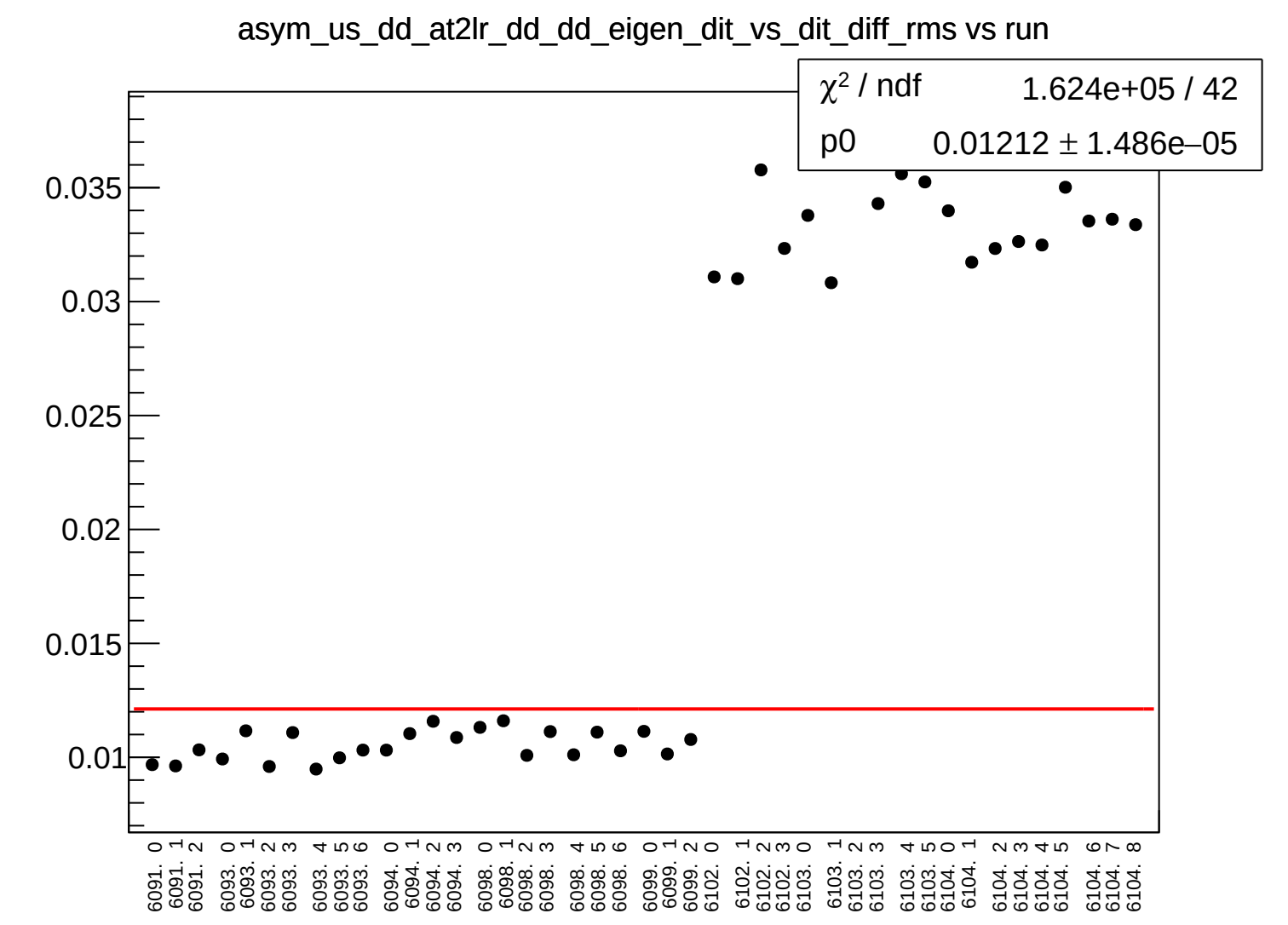

pull1D
Entries 43
Mean 0.0653
Std Dev 1.094

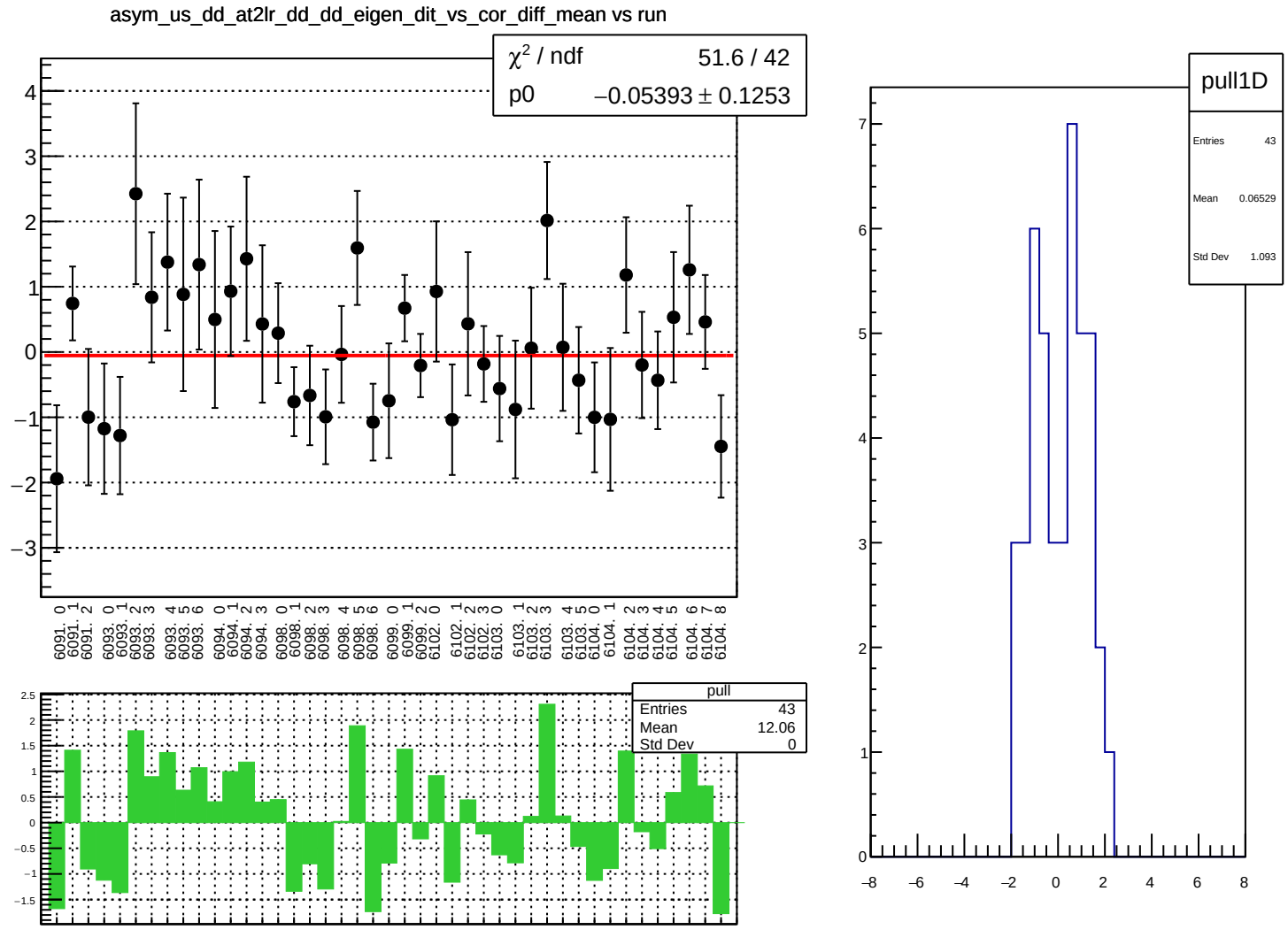

asym_us_dd_at2lr_dd_dd_dit_vs_cor_diff_rms vs run
χ² / ndf 5.061e+04 / 42
p0 78.11 ± 0.08861
140
120
100
80
60
40
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

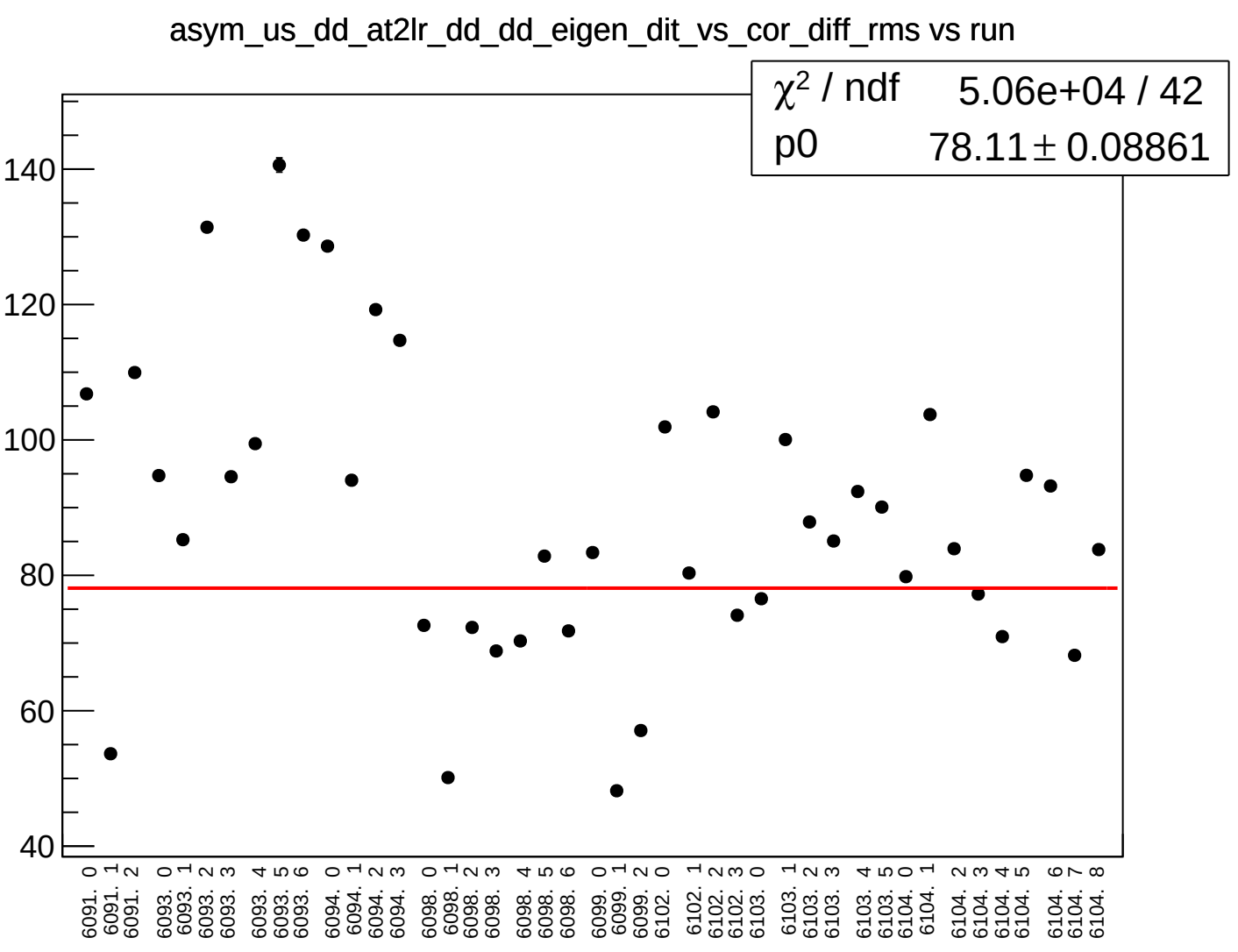

asym_us_dd_at2lr_dd_dd_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 51.6 / 42
p0 −0.05394 ± 0.1253
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 12.06
Std Dev 0
pull1D
Entries 43
Mean 0.0653
Std Dev 1.094

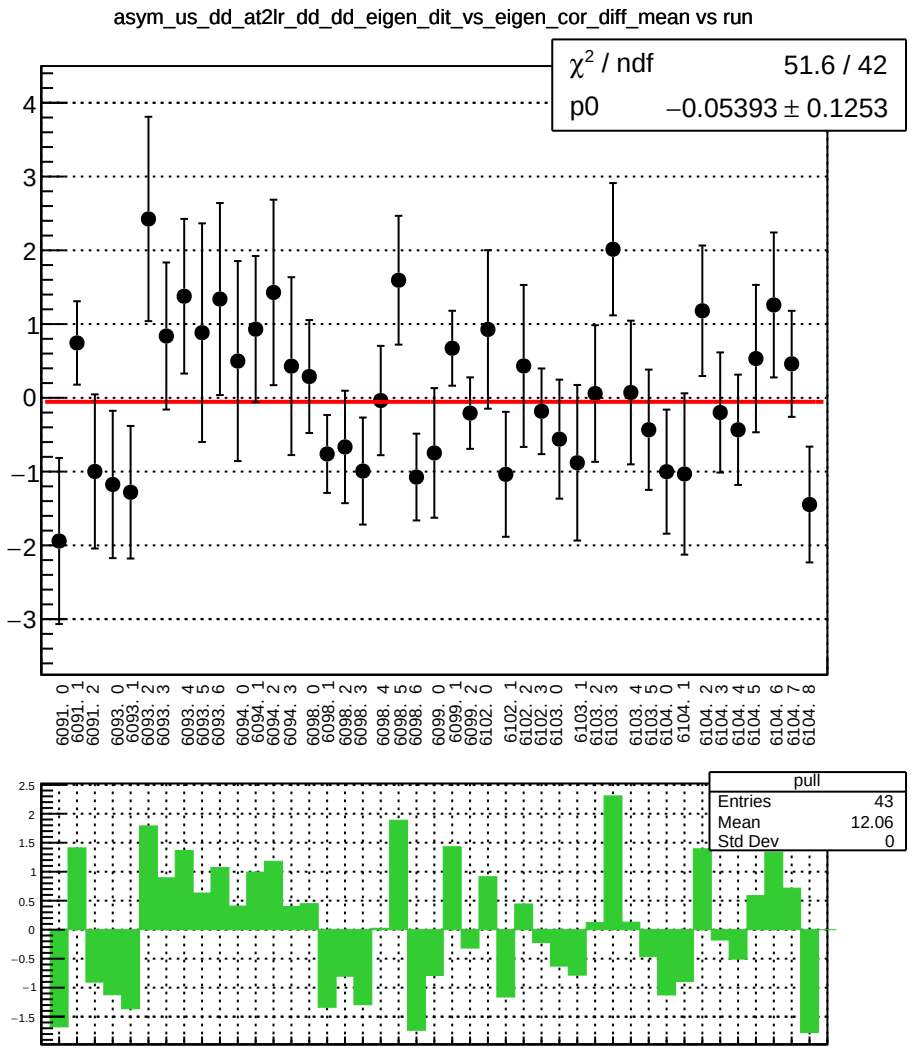

asym_us_dd_at2lr_dd_dd_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 5.061e+04 / 42
p0 78.11 ± 0.08861
140
120
100
80
60
40
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

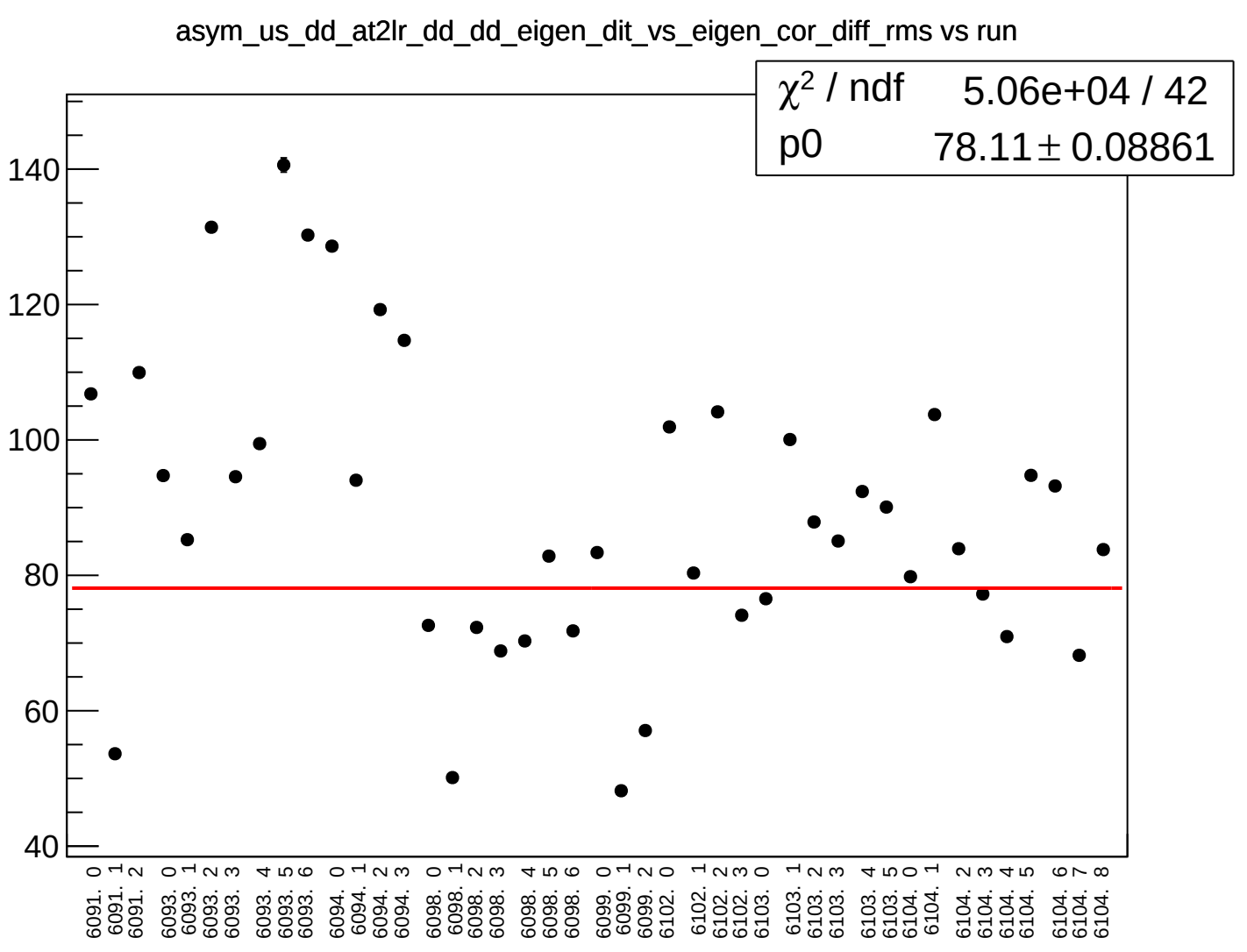

asym_us_dd_at2lr_dd_dd_eigen_dit_vs_dit_diff_mean vs run
χ² / ndf 34.86 / 42
p0 5.03e−06 ± 2.102e−05
0.001
0.0005
0
−0.0005
−0.001
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean −314.7
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 43
Mean −0.001431
Std Dev 0.9004
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

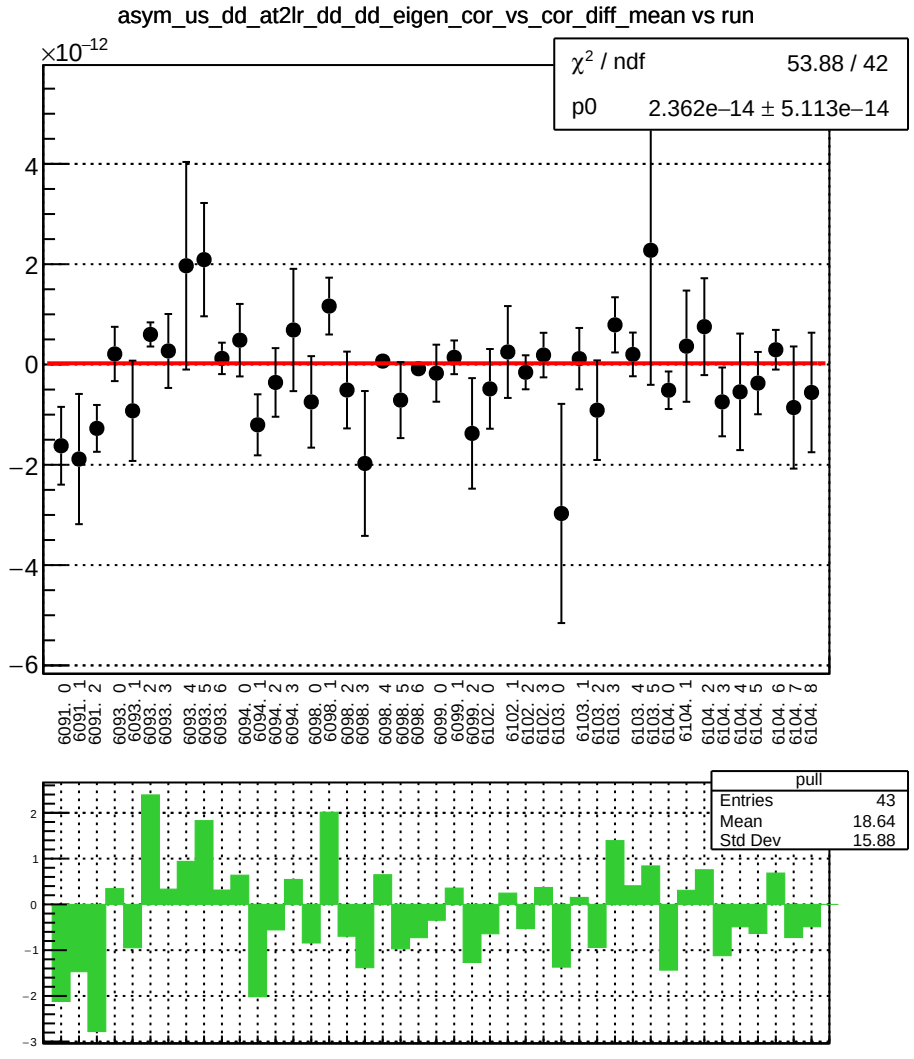

asym_us_dd_at2lr_dd_dd_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 1.624e+05 / 42
p0 0.01212 ± 1.486e−05
0.035
0.03
0.025
0.02
0.015
0.01
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

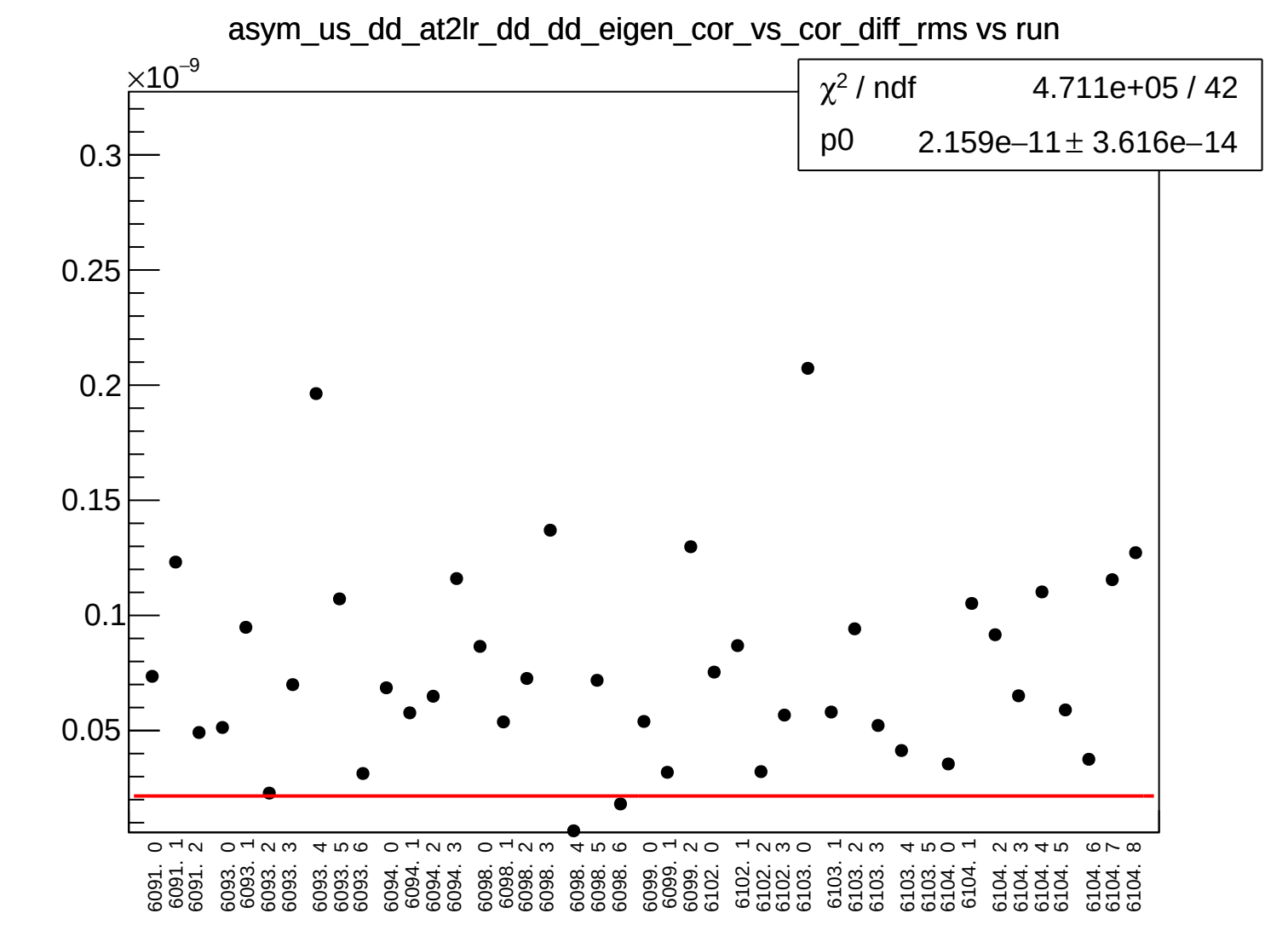

asym_us_dd_at2lr_dd_dd_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 51.6 / 42
p0 −0.05393 ± 0.1253
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 12.06
Std Dev 0
pull1D
Entries 43
Mean 0.06529
Std Dev 1.093

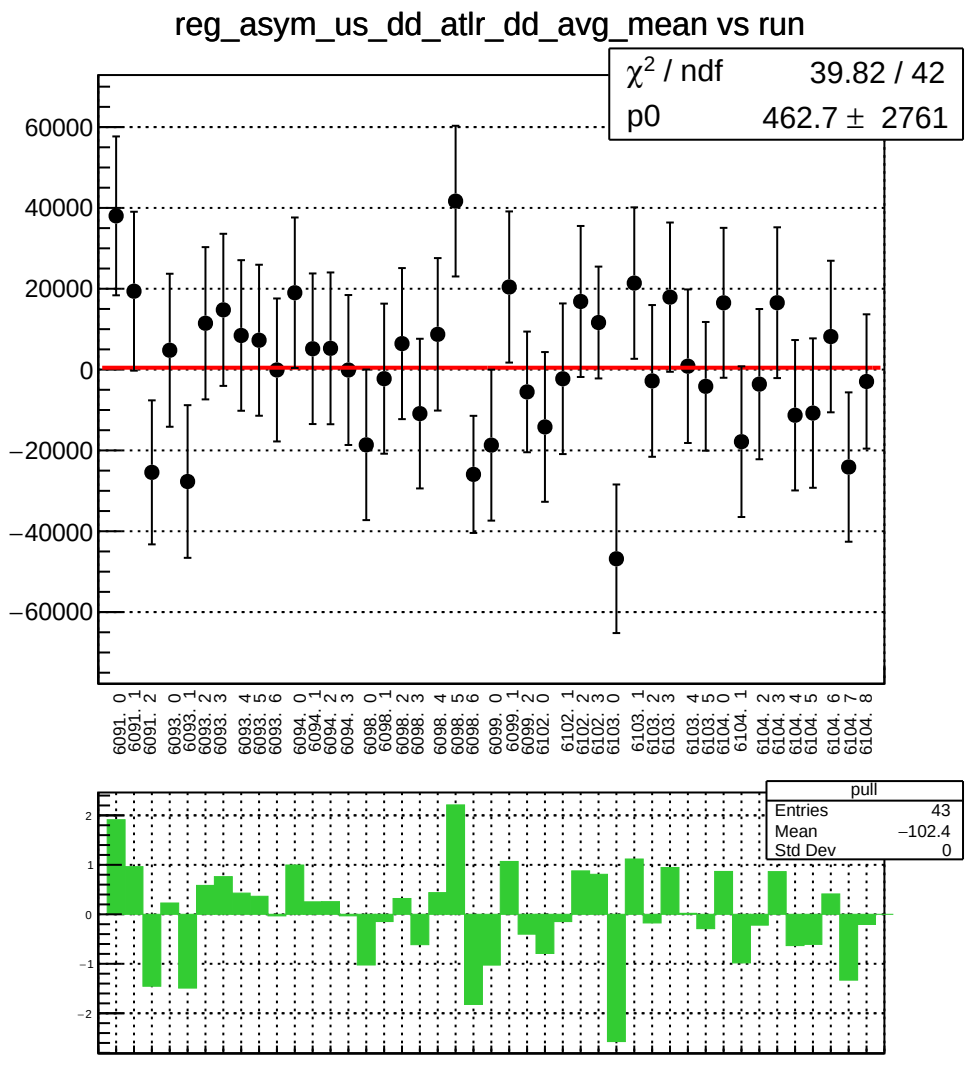

asym_us_dd_at2lr_dd_dd_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 5.06e+04 / 42
p0 78.11 ± 0.08861
140
120
100
80
60
40
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

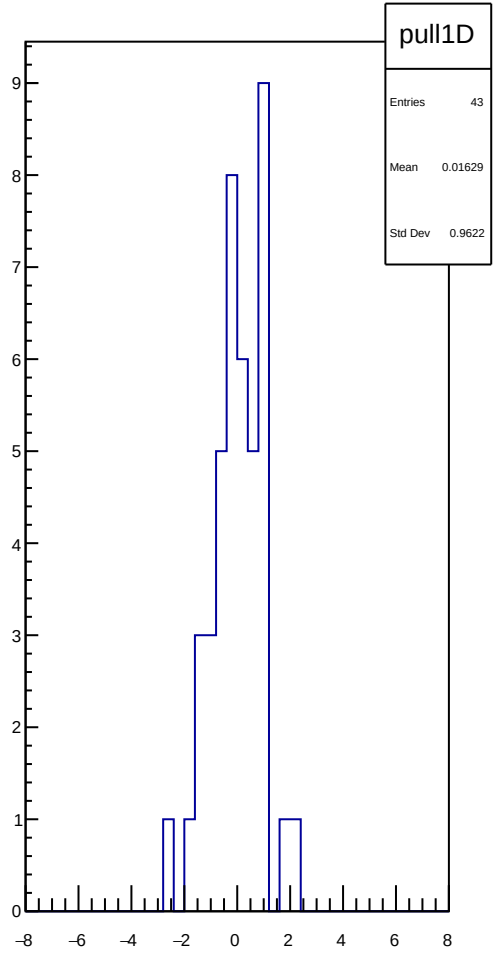

asym_us_dd_at2lr_dd_dd_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 51.6 / 42
p0 −0.05393 ± 0.1253
pull
Entries 43
Mean 12.06
Std Dev 0
pull1D
Entries 43
Mean 0.06529
Std Dev 1.093

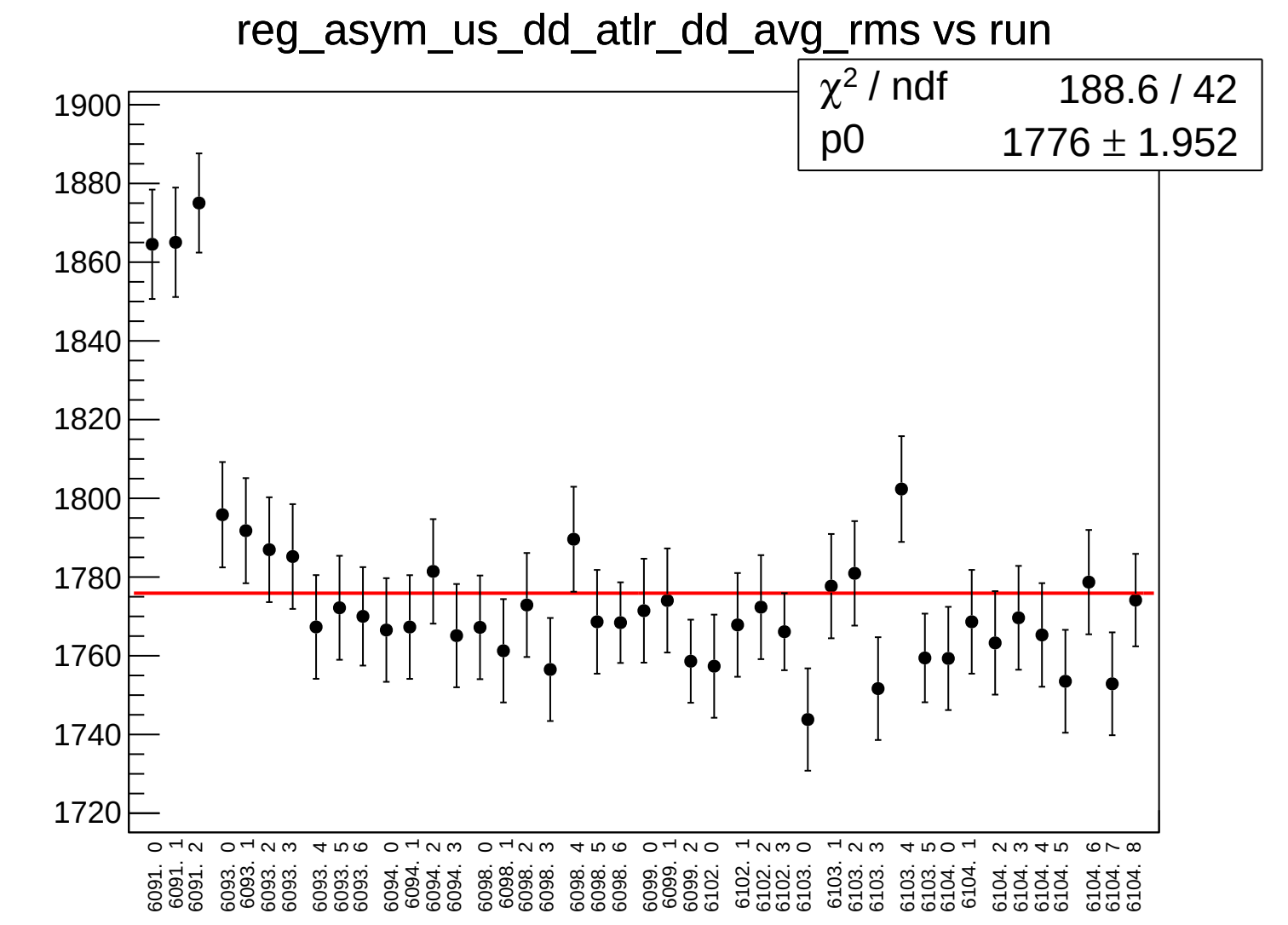

asym_us_dd_at2lr_dd_dd_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 5.06e+04 / 42
p0 78.11 ± 0.08861
140
120
100
80
60
40
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

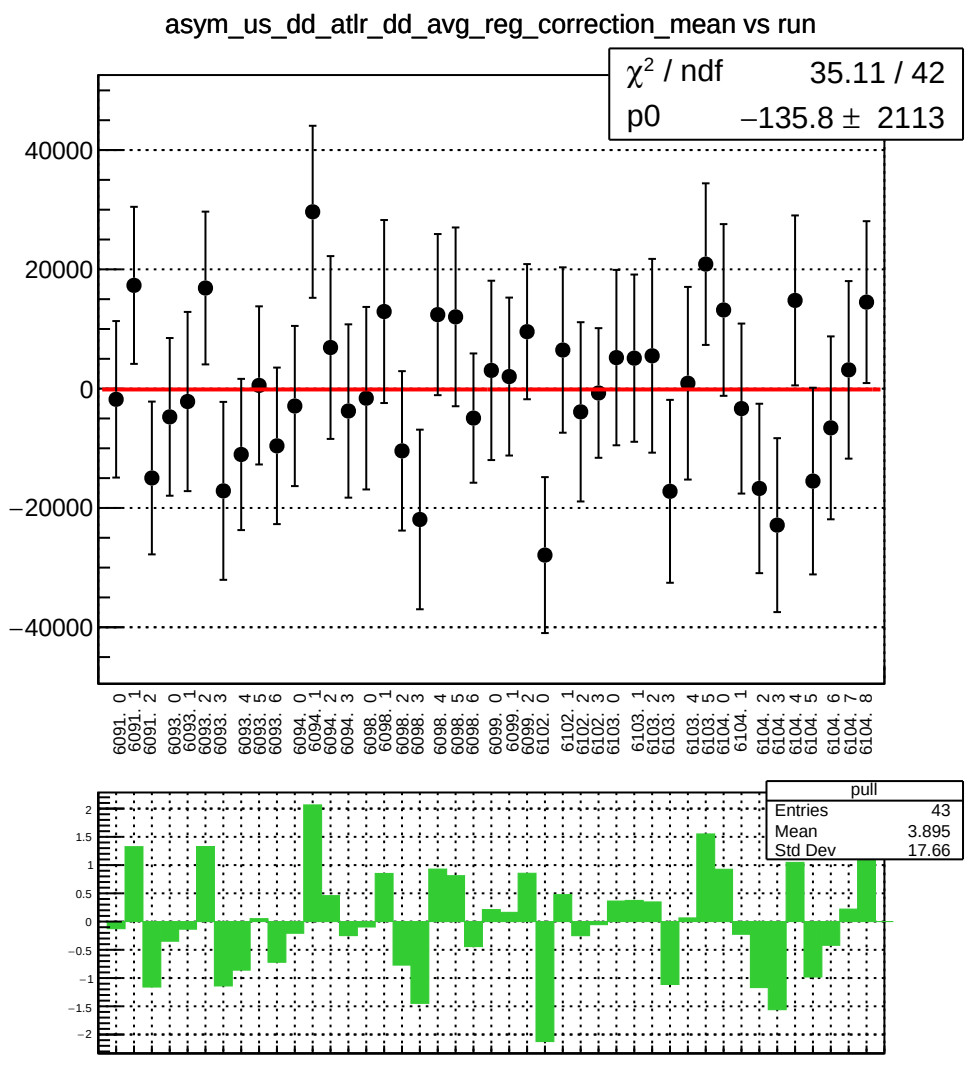

asym_us_dd_at2lr_dd_dd_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 53.88 / 42
p0 2.362e−14 ± 5.113e−14
4
2
0
−2
−4
−6
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 18.64
Std Dev 15.88
2
1
0
−1
−2
−3
pull1D
Entries 43
Mean −0.2091
Std Dev 1.1
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

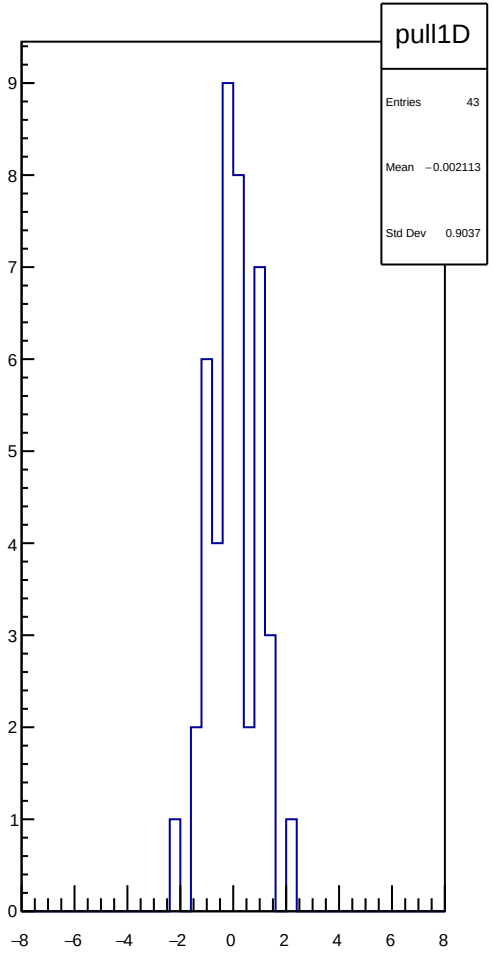

asym_us_dd_at2lr_dd_dd_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 4.711e+05 / 42
p0 2.159e−11 ± 3.616e−14
0.3
0.25
0.2
0.15
0.1
0.05
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

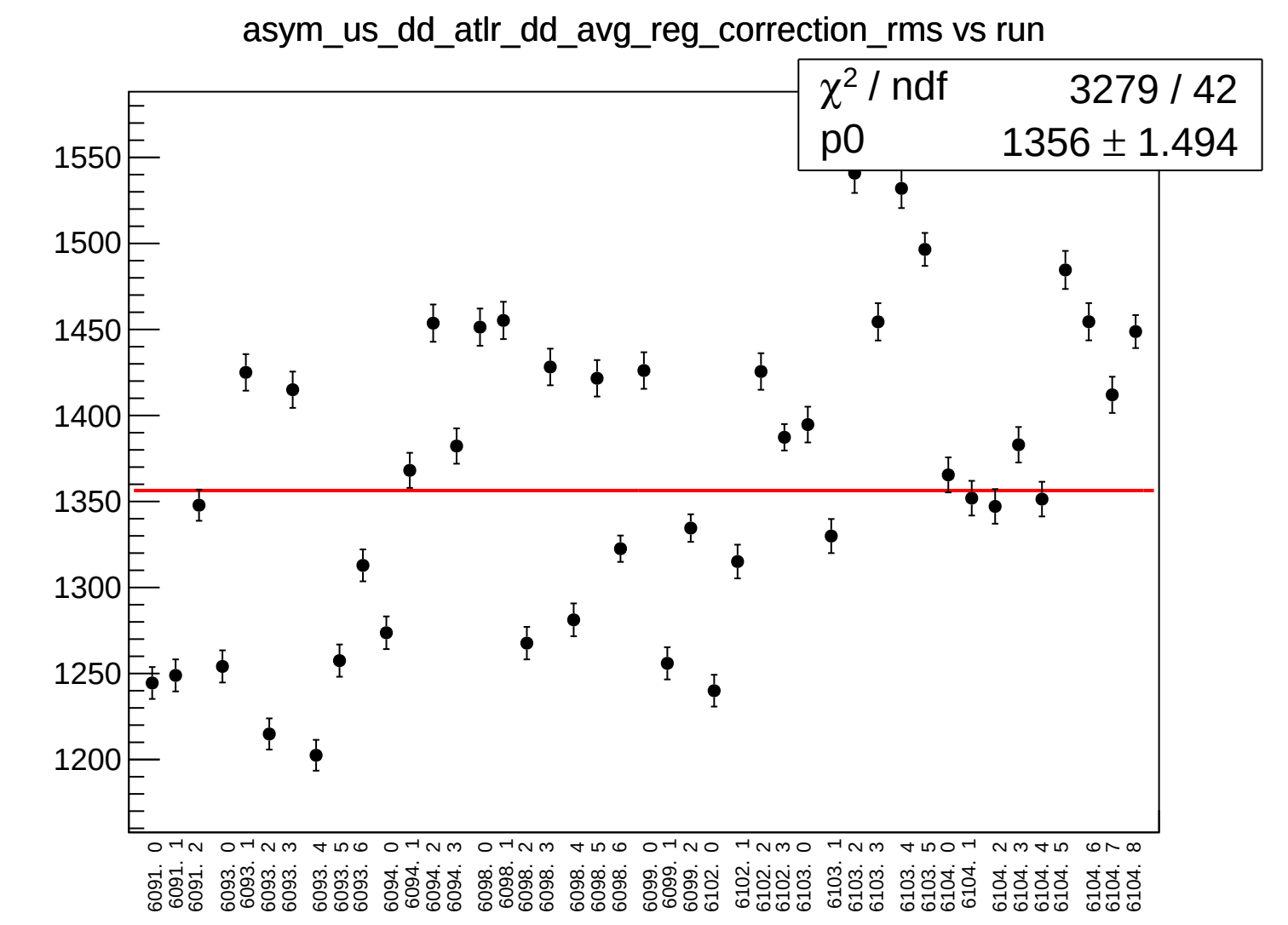

reg_asym_us_dd_atlr_dd_avg_mean vs run
χ² / ndf 39.82 / 42
p0 462.7 ± 2761
60000
40000
20000
0
−20000
−40000
−60000
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean −102.4
Std Dev 0
2
1
0
−1
−2

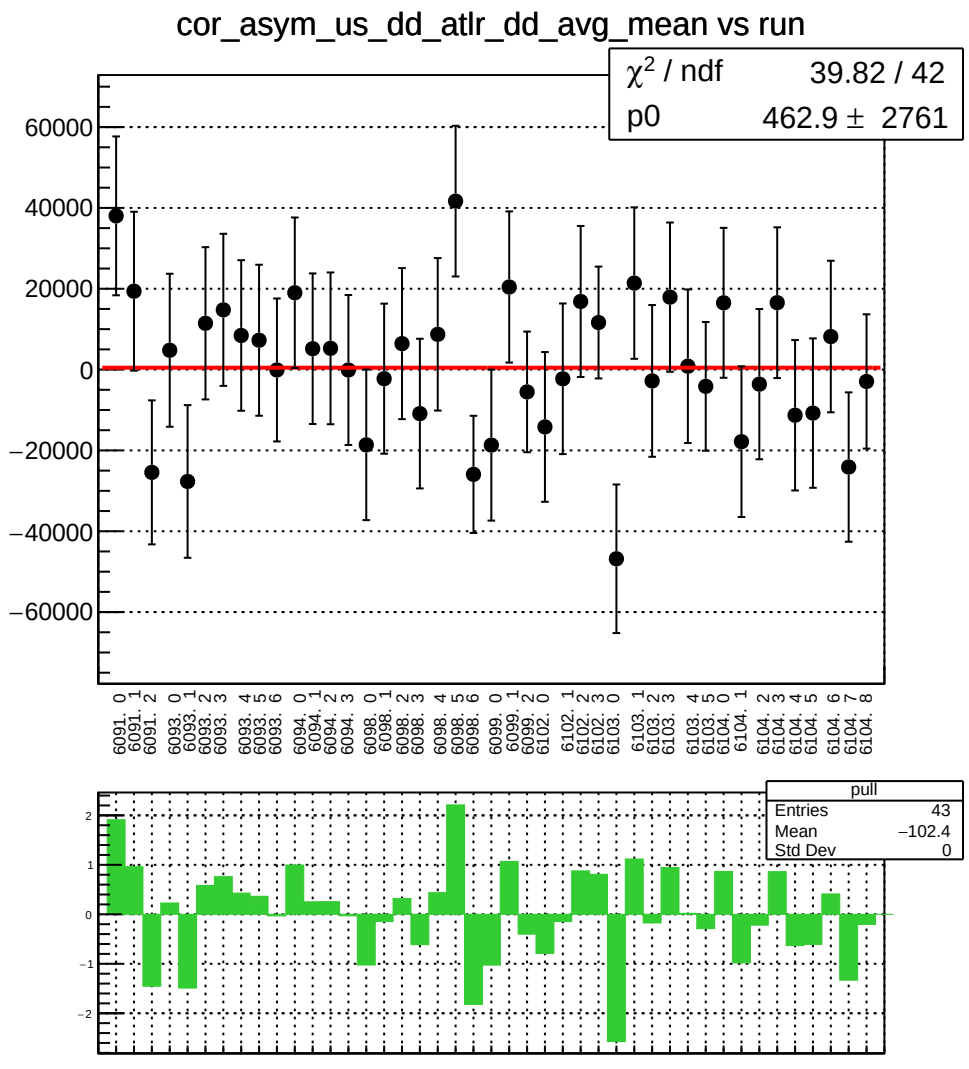

pull1D
Entries 43
Mean 0.01629
Std Dev 0.9622
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

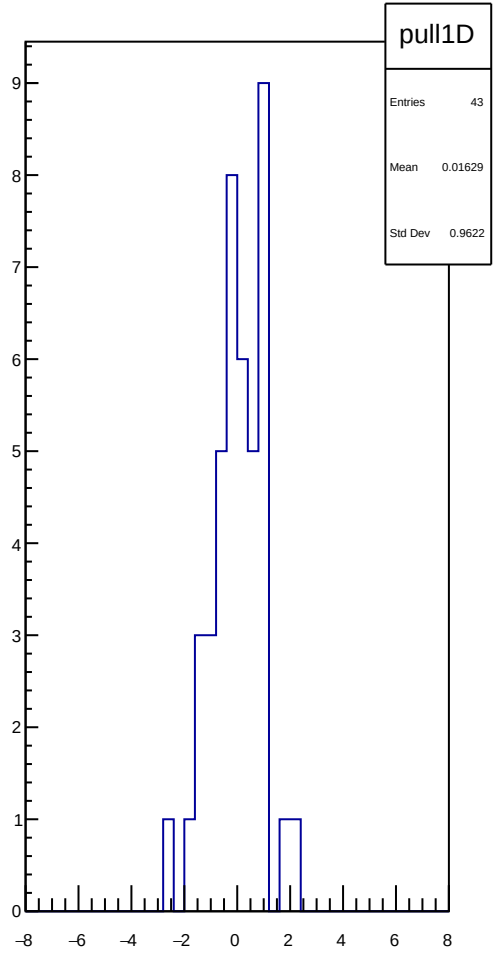

reg_asym_us_dd_atlr_dd_avg_rms vs run
χ² / ndf 188.6 / 42
p0 1776 ± 1.952
1900
1880
1860
1840
1820
1800
1780
1760
1740
1720
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

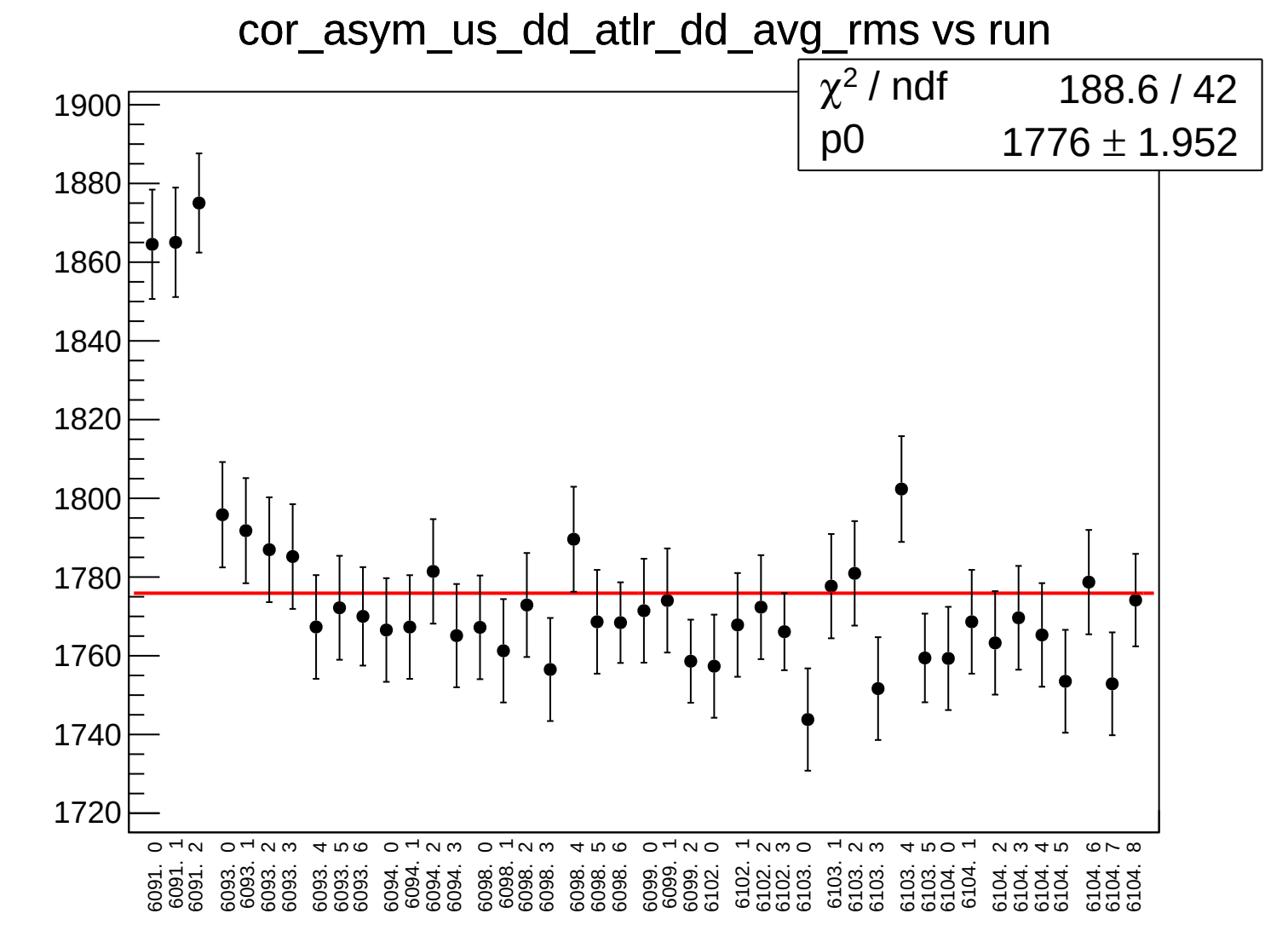

asym_us_dd_atlr_dd_avg_reg_correction_mean vs run
χ² / ndf 35.11 / 42
p0 −135.8 ± 2113
40000
20000
0
−20000
−40000
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 3.895
Std Dev 17.66
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

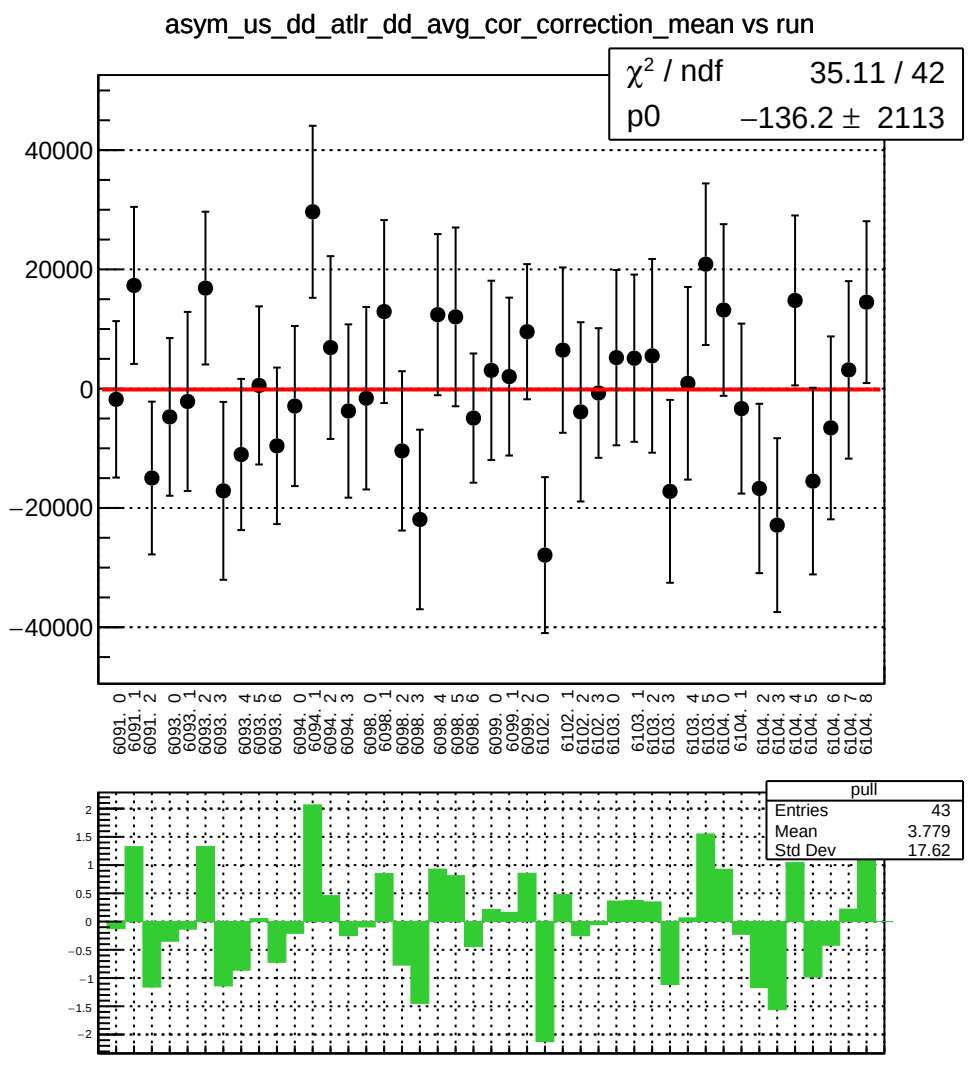

pull1D
Entries 43
Mean −0.002113
Std Dev 0.9037
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

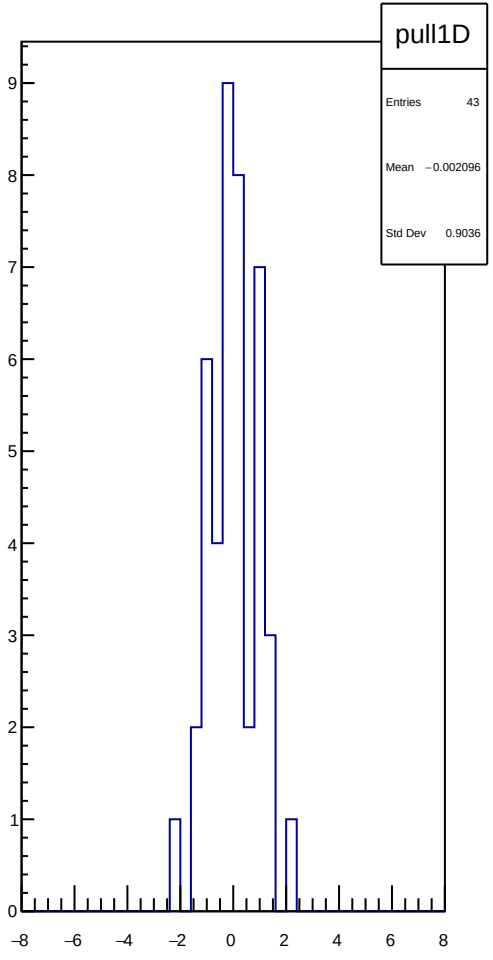

asym_us_dd_atlr_dd_avg_reg_correction_rms vs run
χ² / ndf 3279 / 42
p0 1356 ± 1.494
1550
1500
1450
1400
1350
1300
1250
1200
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8


cor_asym_us_dd_atlr_dd_avg_mean vs run
χ² / ndf 39.82 / 42
p0 462.9 ± 2761
60000
40000
20000
0
−20000
−40000
−60000
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean −102.4
Std Dev 0
2
1
0
−1
−2


pull1D
Entries 43
Mean 0.01629
Std Dev 0.9622
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


cor_asym_us_dd_atlr_dd_avg_rms vs run
χ² / ndf 188.6 / 42
p0 1776 ± 1.952
1900
1880
1860
1840
1820
1800
1780
1760
1740
1720
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8


asym_us_dd_atlr_dd_avg_cor_correction_mean vs run
χ² / ndf 35.11 / 42
p0 −136.2 ± 2113
40000
20000
0
−20000
−40000
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 3.779
Std Dev 17.62
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2


pull1D
Entries 43
Mean −0.002096
Std Dev 0.9036
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8
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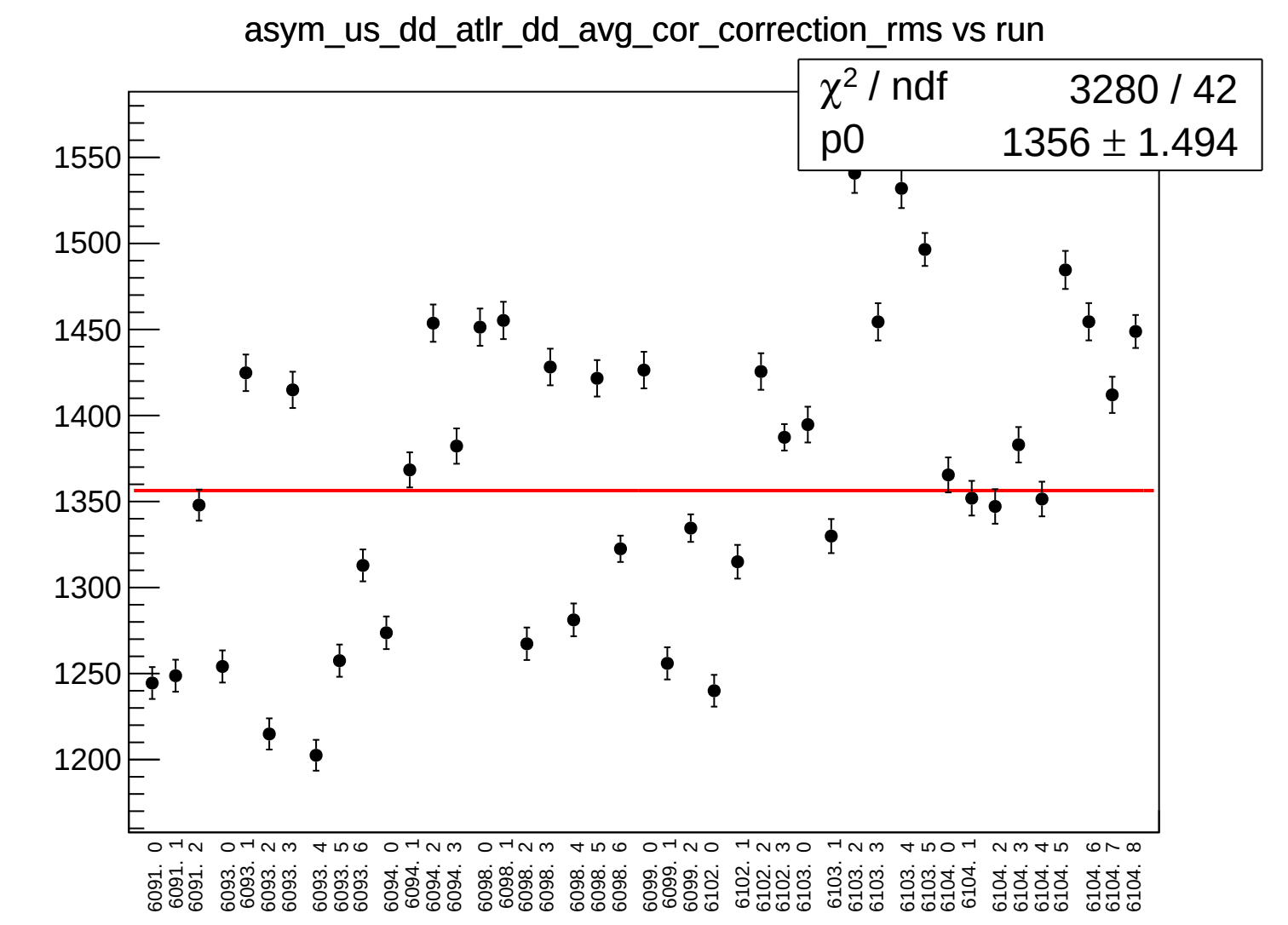
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


asym_us_dd_atlr_dd_avg_cor_correction_rms vs run
χ² / ndf 3280 / 42
p0 1356 ± 1.494
1550
1500
1450
1400
1350
1300
1250
1200
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
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6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
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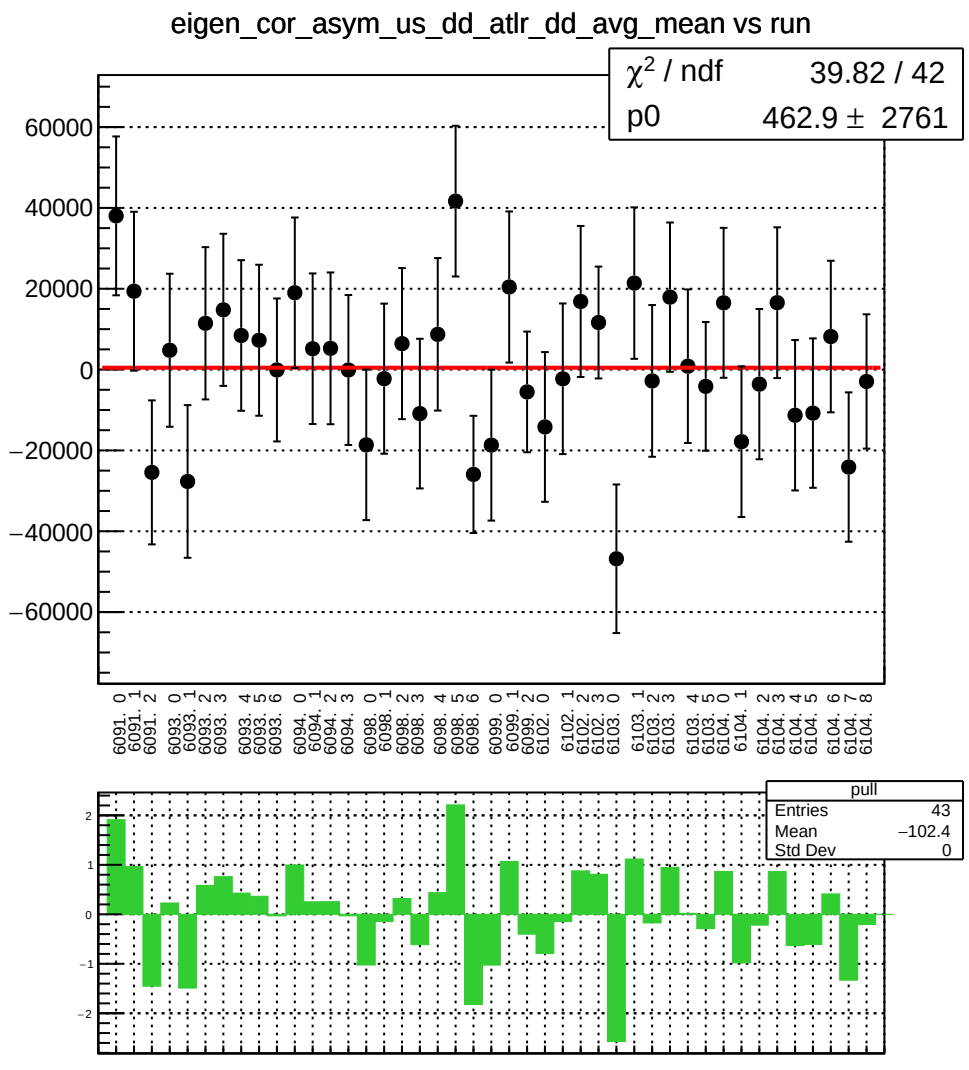
6104. 7
6104. 8


eigen_cor_asym_us_dd_atlr_dd_avg_mean vs run
χ² / ndf 39.82 / 42
p0 462.9 ± 2761
60000
40000
20000
0
−20000
−40000
−60000
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
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6098. 6
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6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
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6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
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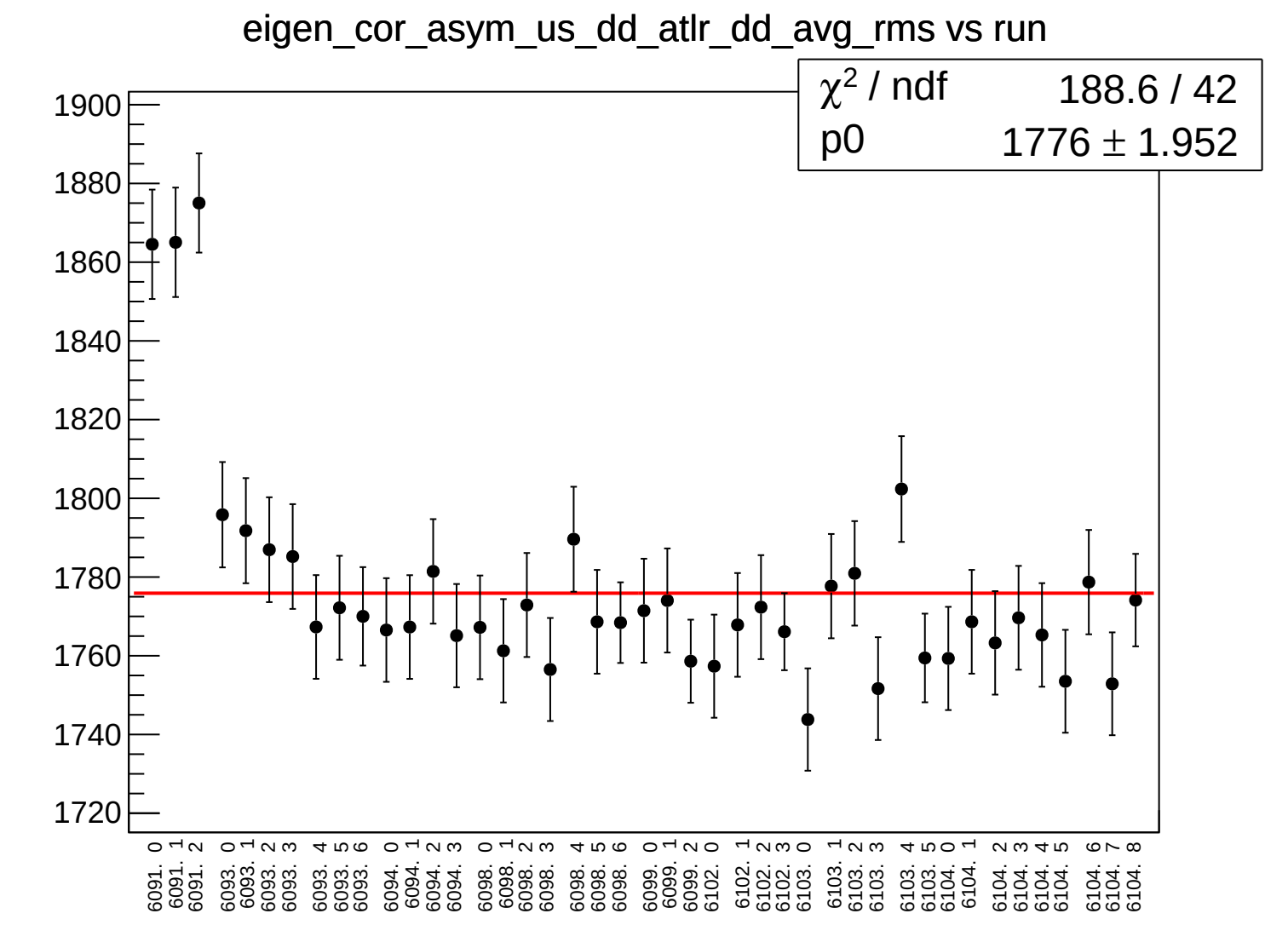
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean −102.4
Std Dev 0
2
1
0
−1
−2
pull1D
Entries 43
Mean 0.01629
Std Dev 0.9622
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


eigen_cor_asym_us_dd_atlr_dd_avg_rms vs run
χ² / ndf 188.6 / 42
p0 1776 ± 1.952
1900
1880
1860
1840
1820
1800
1780
1760
1740
1720
6091. 0
6091. 1
6091. 2
6093. 0
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6093. 2
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6093. 4
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6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
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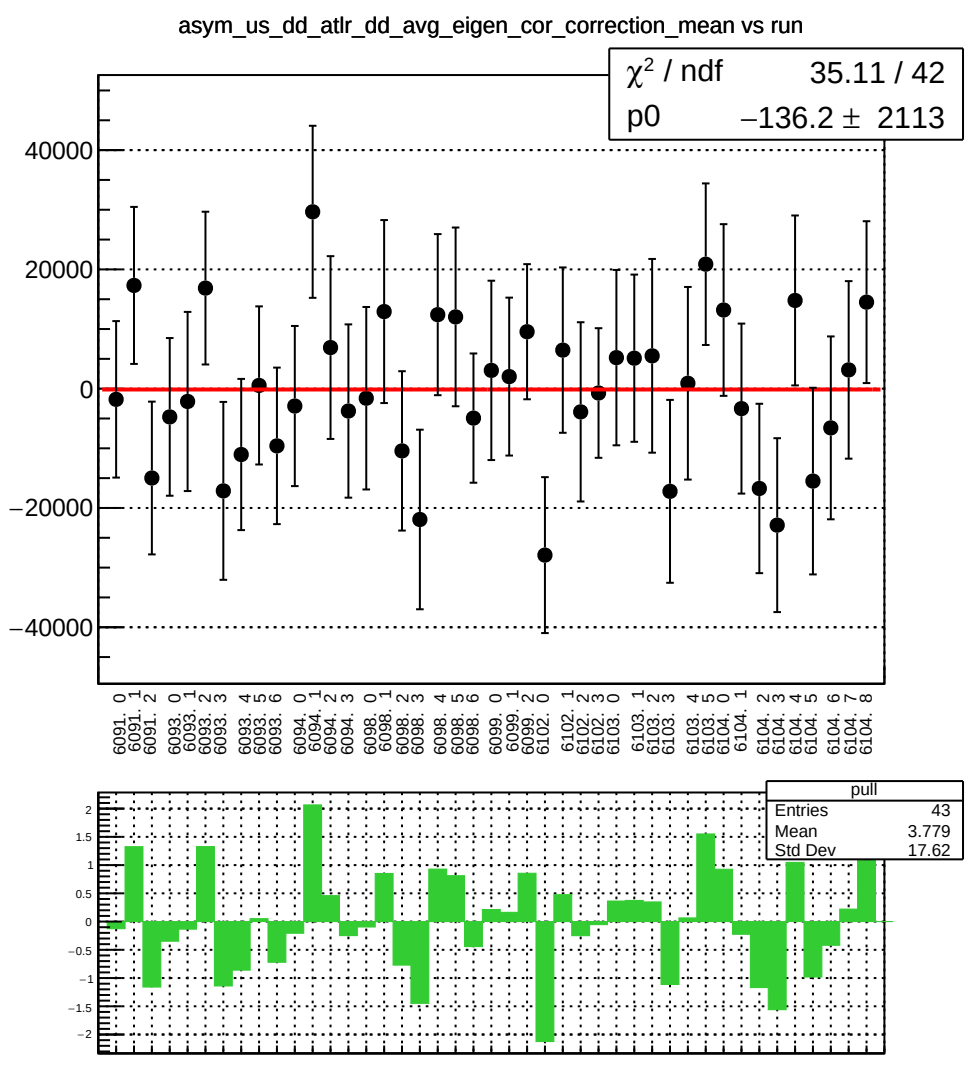
6104. 6
6104. 7
6104. 8


asym_us_dd_atlr_dd_avg_eigen_cor_correction_mean vs run
χ² / ndf 35.11 / 42
p0 −136.2 ± 2113
40000
20000
0
−20000
−40000
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
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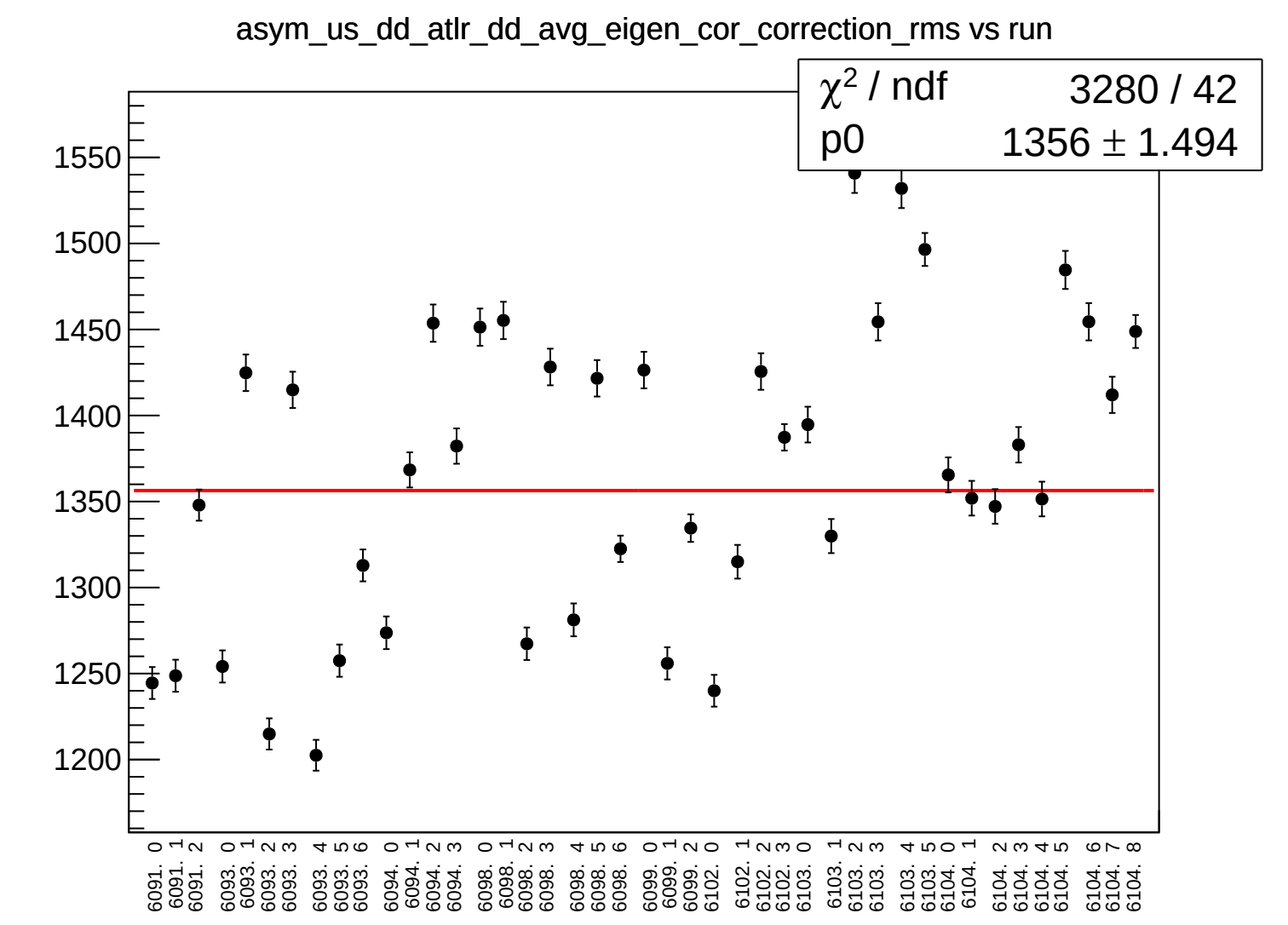
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 3.779
Std Dev 17.62
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 43
Mean −0.002096
Std Dev 0.9036
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


asym_us_dd_atlr_dd_avg_eigen_cor_correction_rms vs run
χ² / ndf 3280 / 42
p0 1356 ± 1.494
1550
1500
1450
1400
1350
1300
1250
1200
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
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6098. 0
6098. 1
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6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
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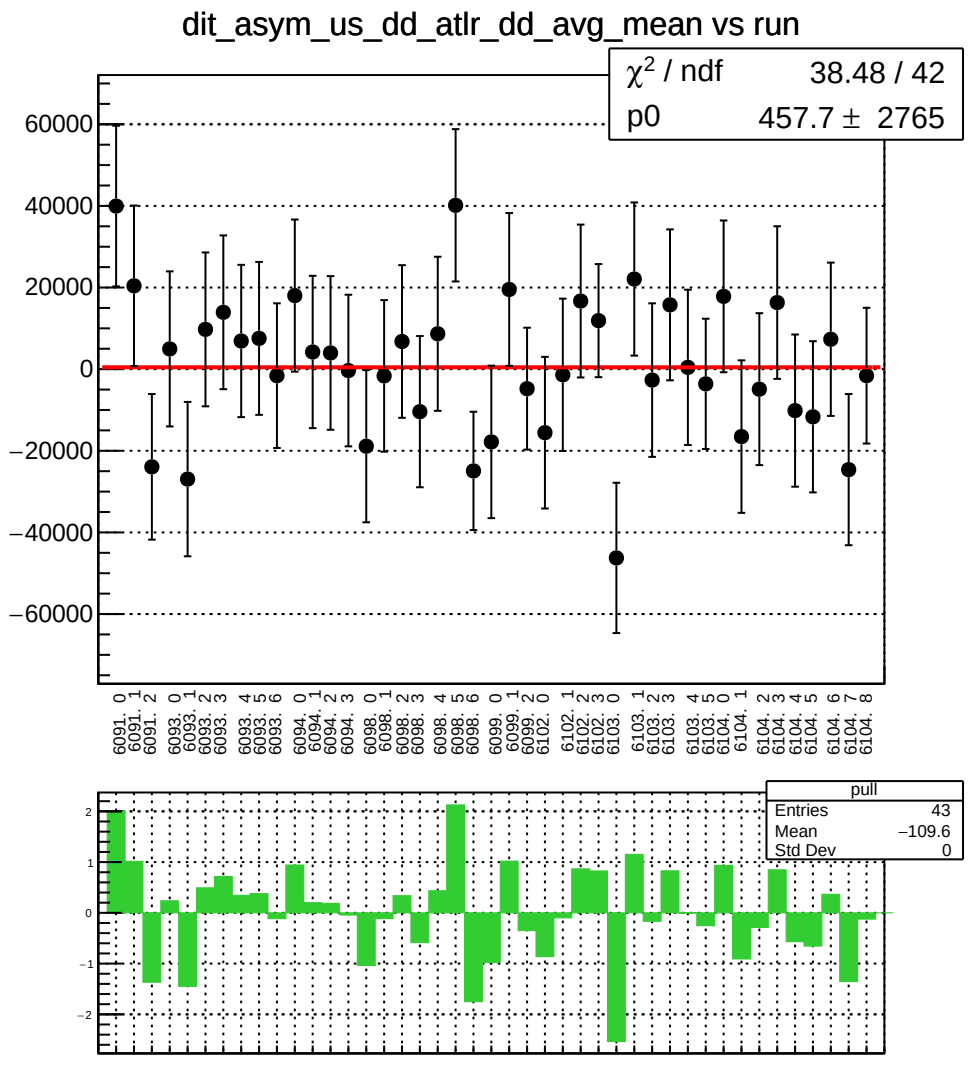
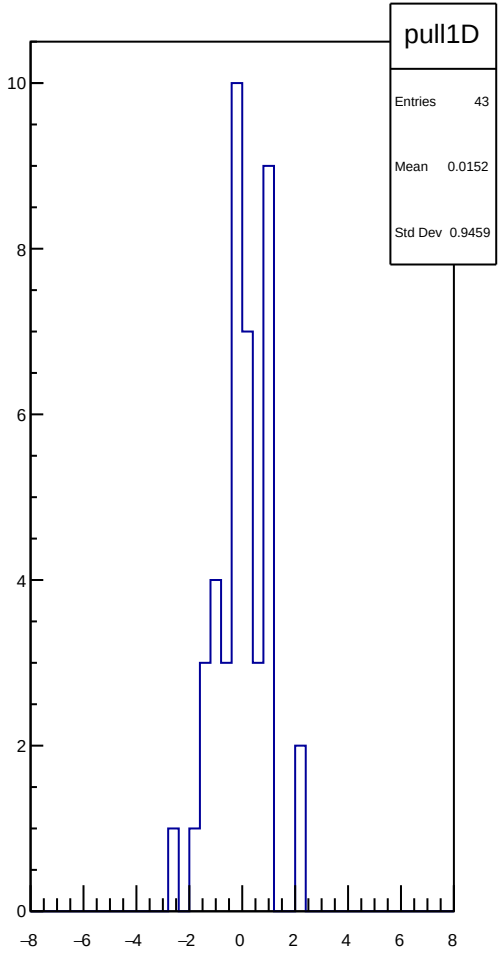
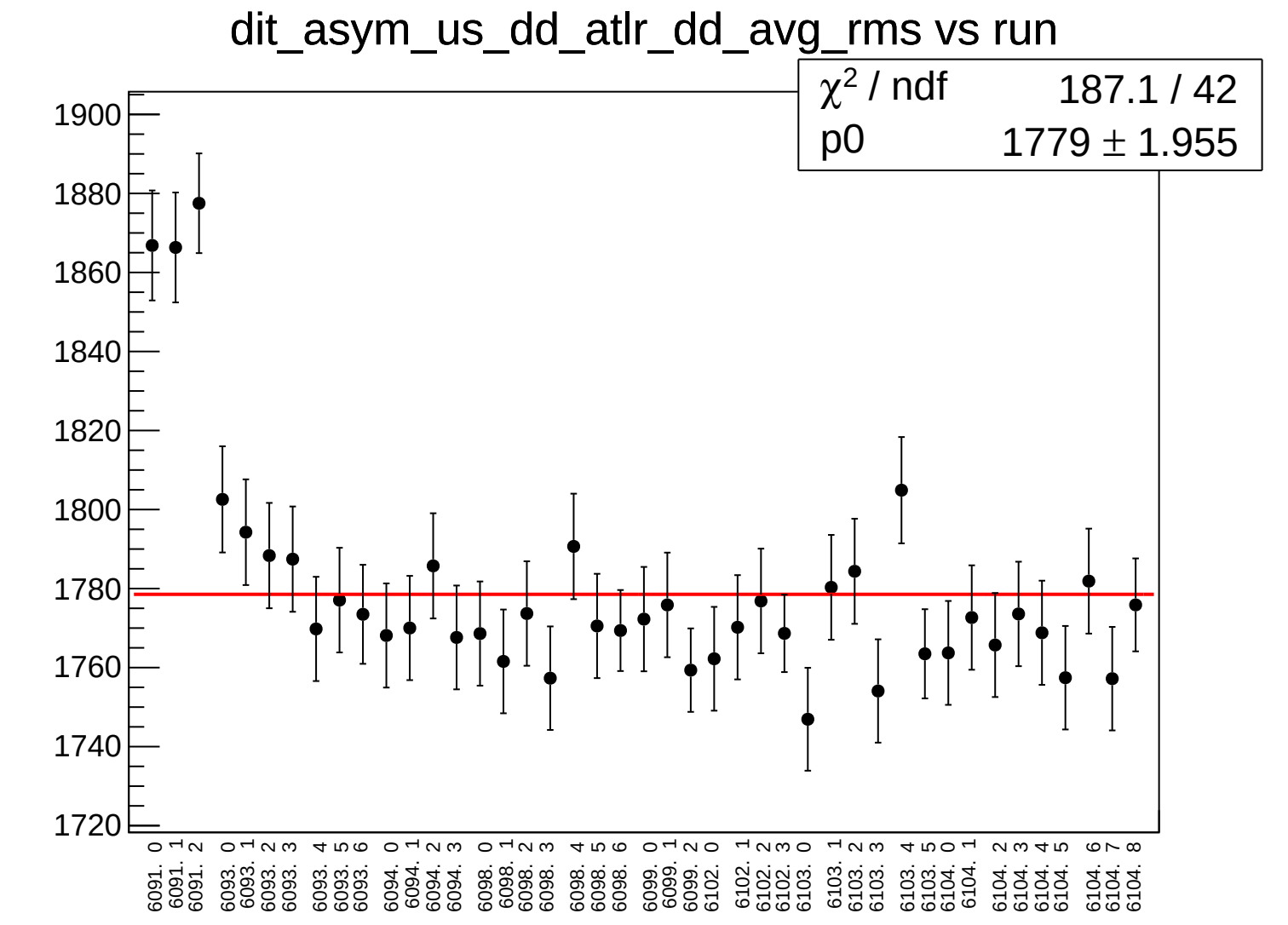
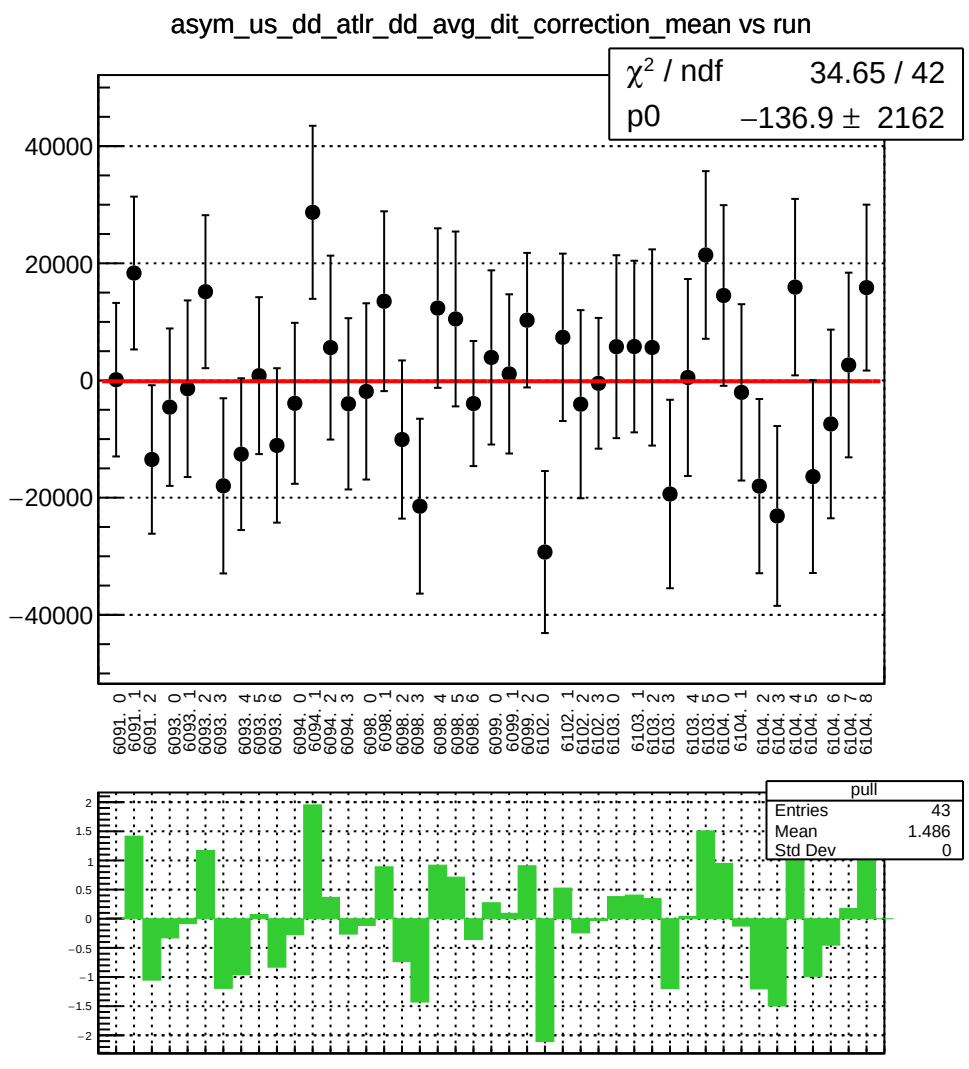
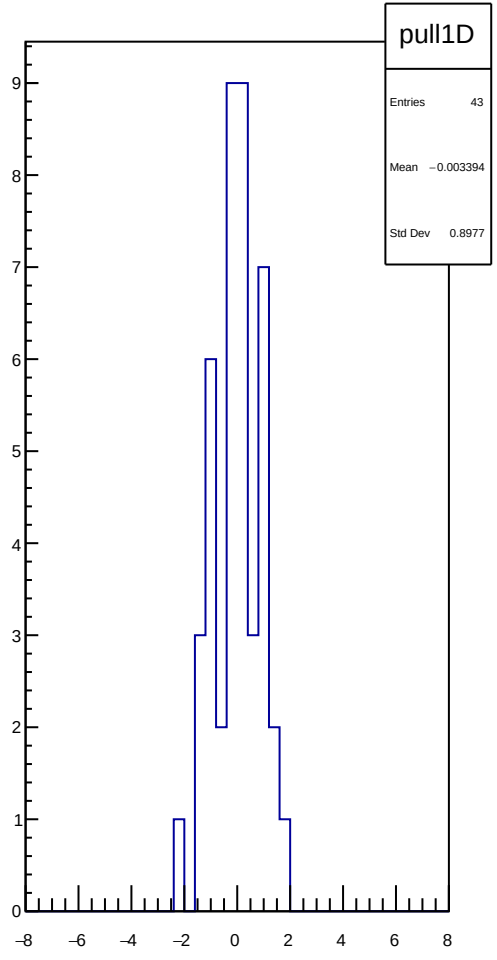
6104. 5
6104. 6
6104. 7
6104. 8

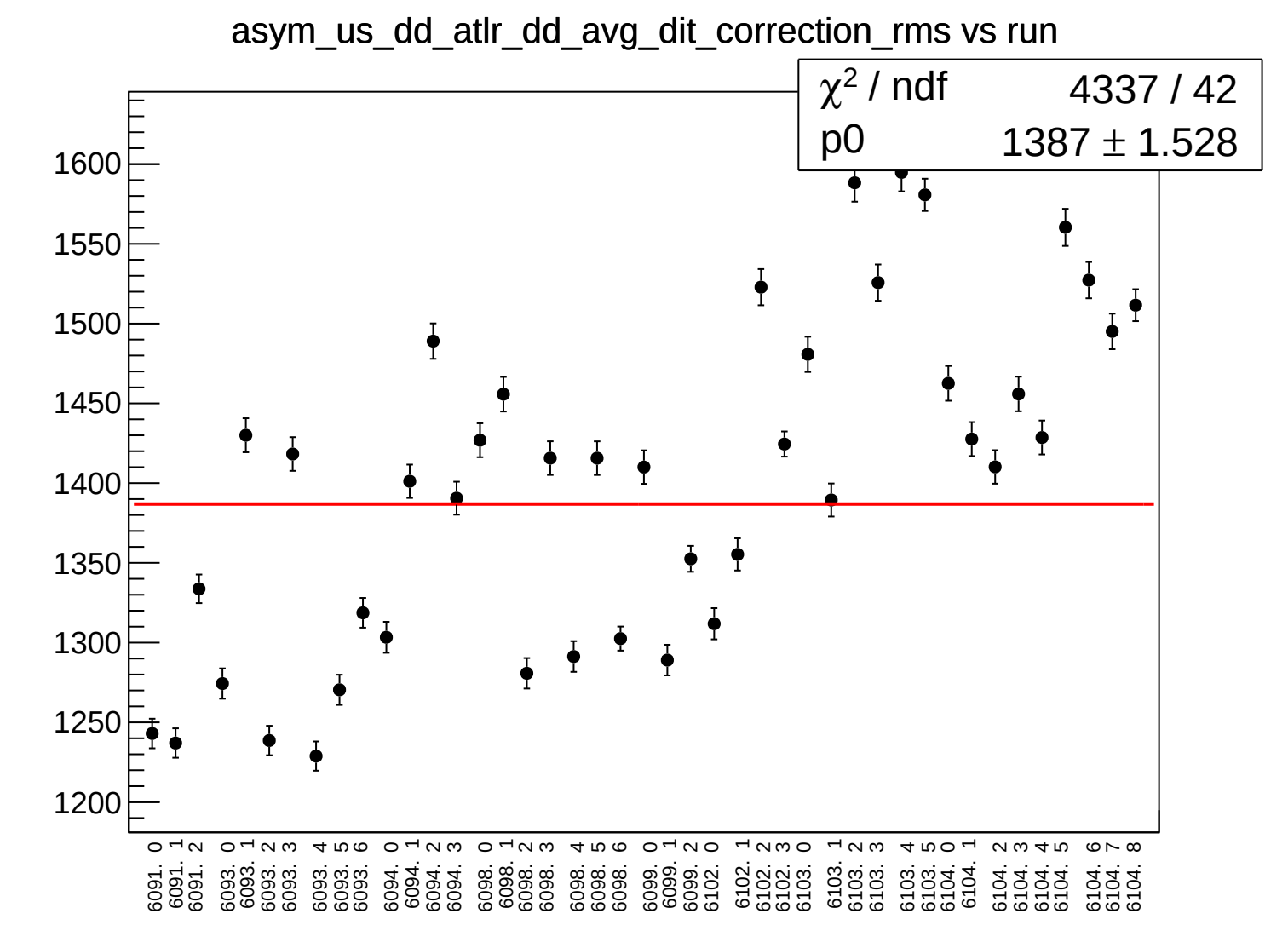

dit_asym_us_dd_atlr_dd_avg_mean vs run
χ² / ndf 38.48 / 42
p0 457.7 ± 2765
60000
40000
20000
0
−20000
−40000
−60000
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean −109.6
Std Dev 0
2
1
0
−1
−2

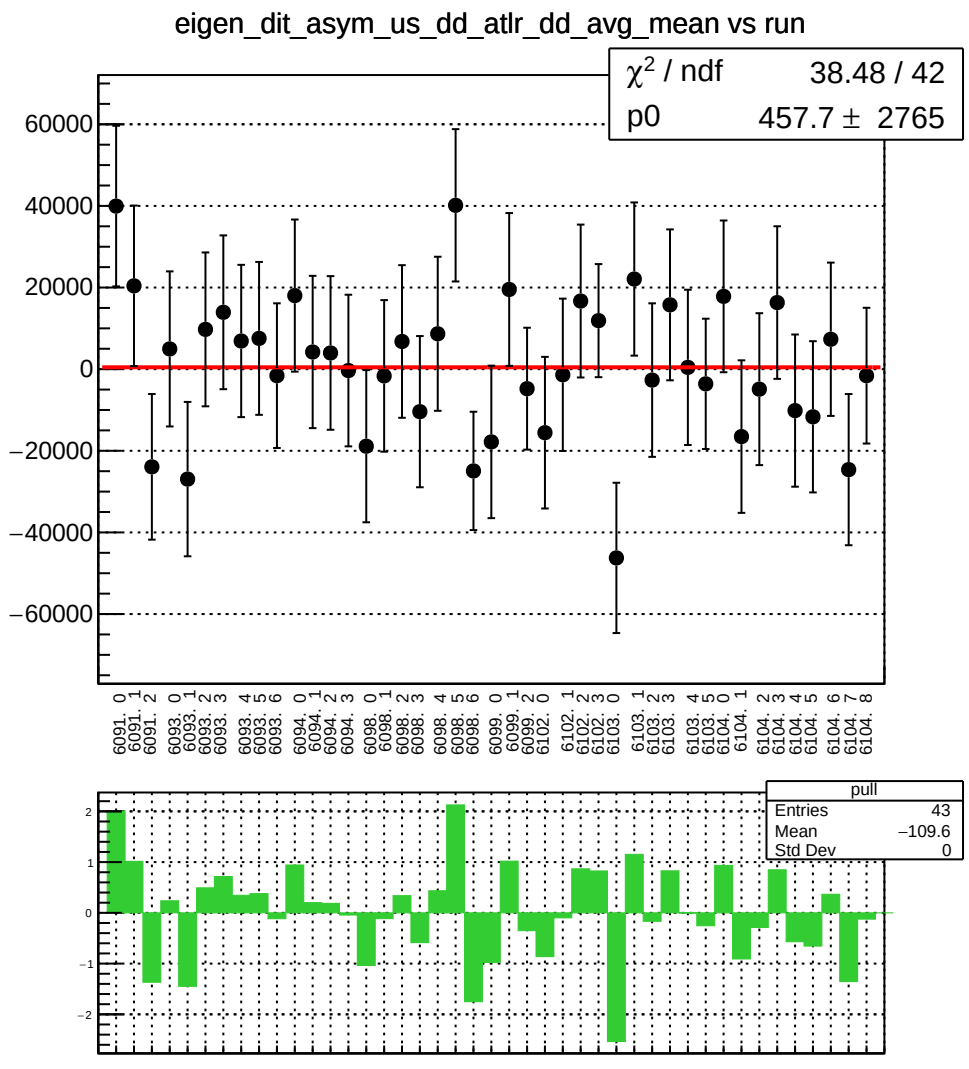

pull1D
Entries 43
Mean 0.0152
Std Dev 0.9459
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

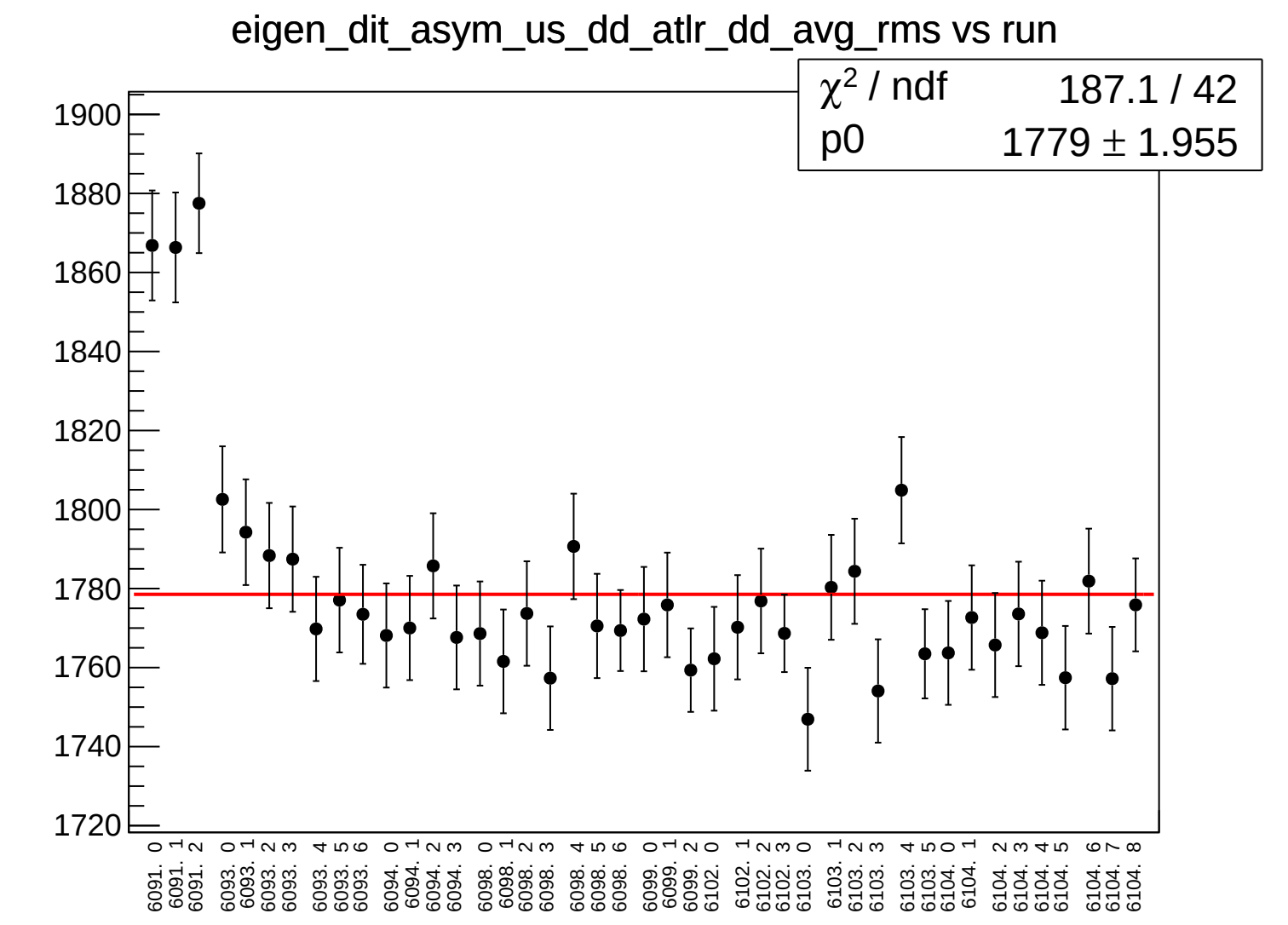

dit_asym_us_dd_atlr_dd_avg_rms vs run
χ² / ndf 187.1 / 42
p0 1779 ± 1.955
1900
1880
1860
1840
1820
1800
1780
1760
1740
1720
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

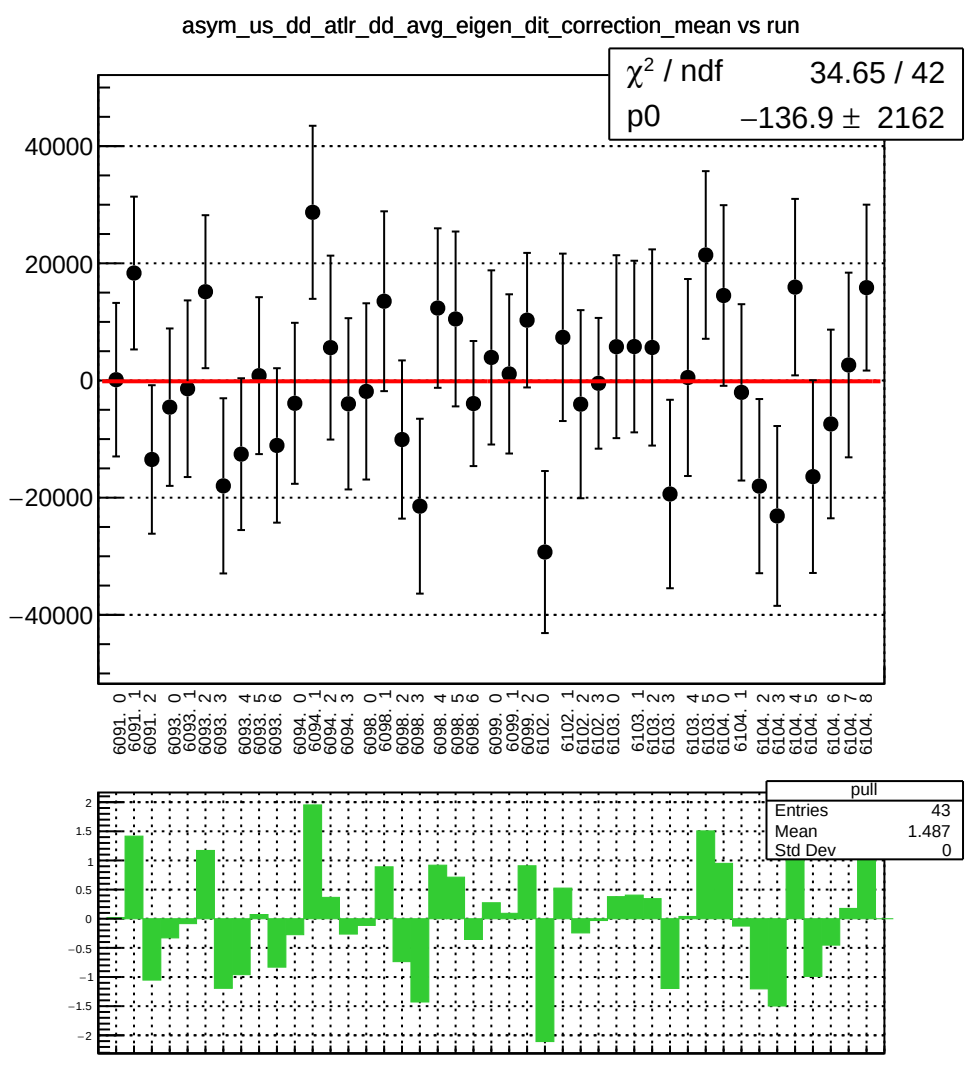

asym_us_dd_atlr_dd_avg_dit_correction_mean vs run
χ² / ndf 34.65 / 42
p0 −136.9 ± 2162
40000
20000
0
−20000
−40000
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 1.486
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

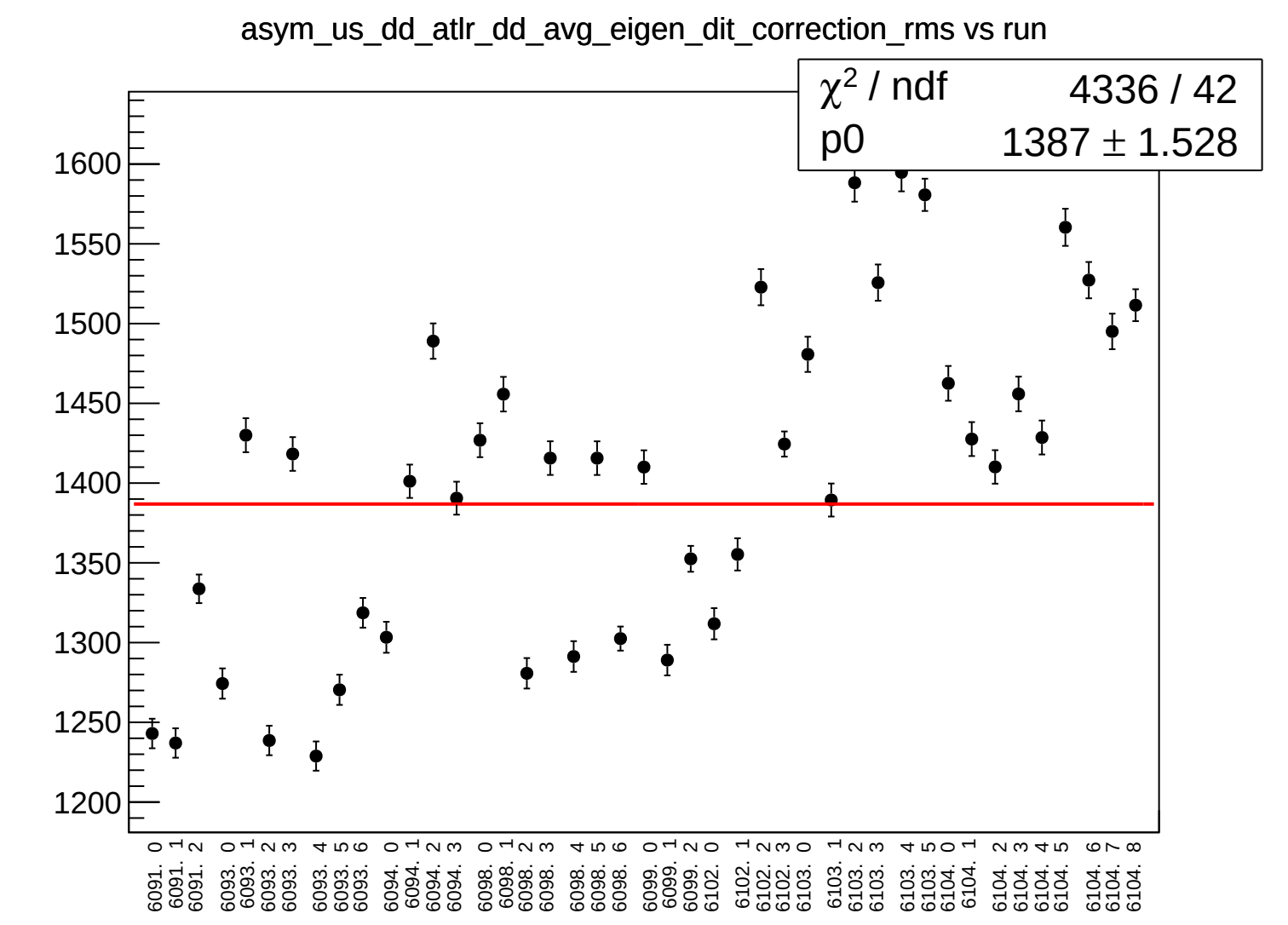

pull1D
Entries 43
Mean −0.003394
Std Dev 0.8977
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

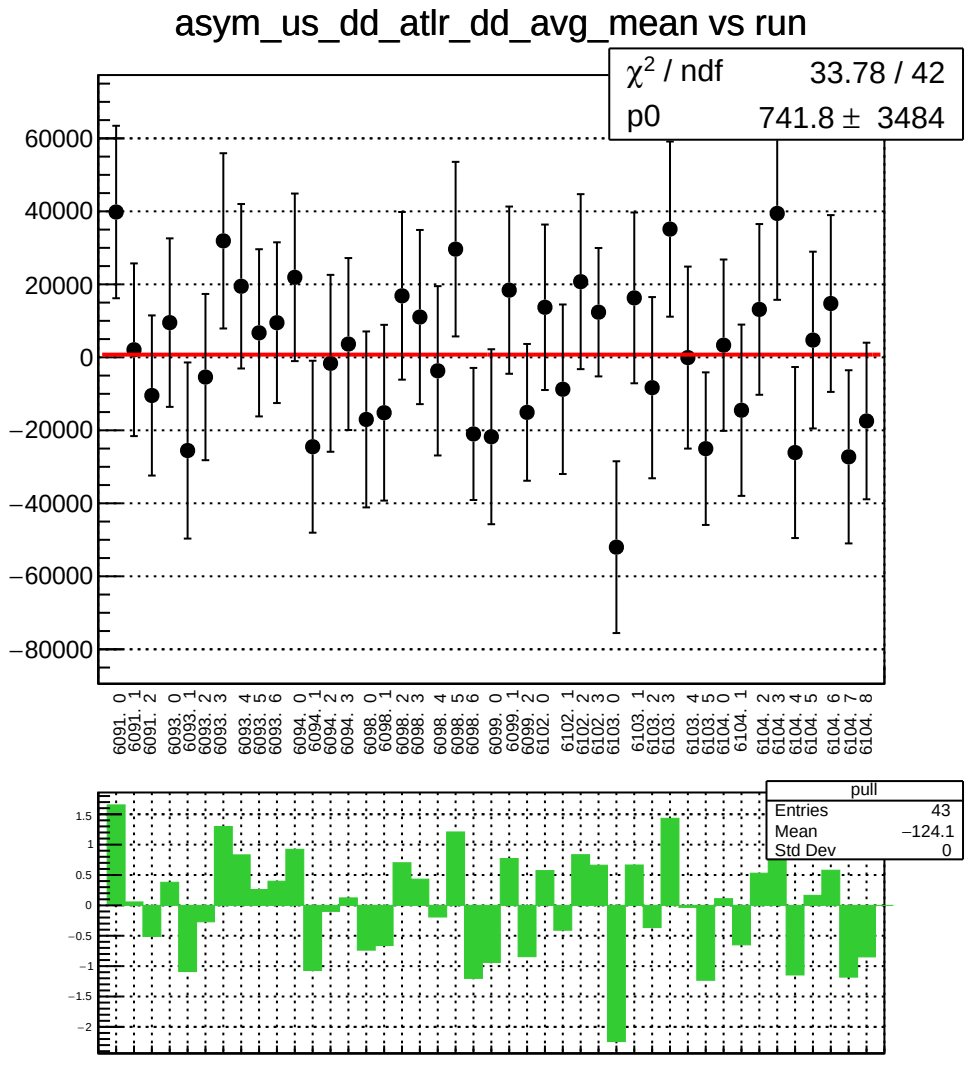

asym_us_dd_atlr_dd_avg_dit_correction_rms vs run
χ² / ndf 4337 / 42
p0 1387 ± 1.528
1600
1550
1500
1450
1400
1350
1300
1250
1200
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

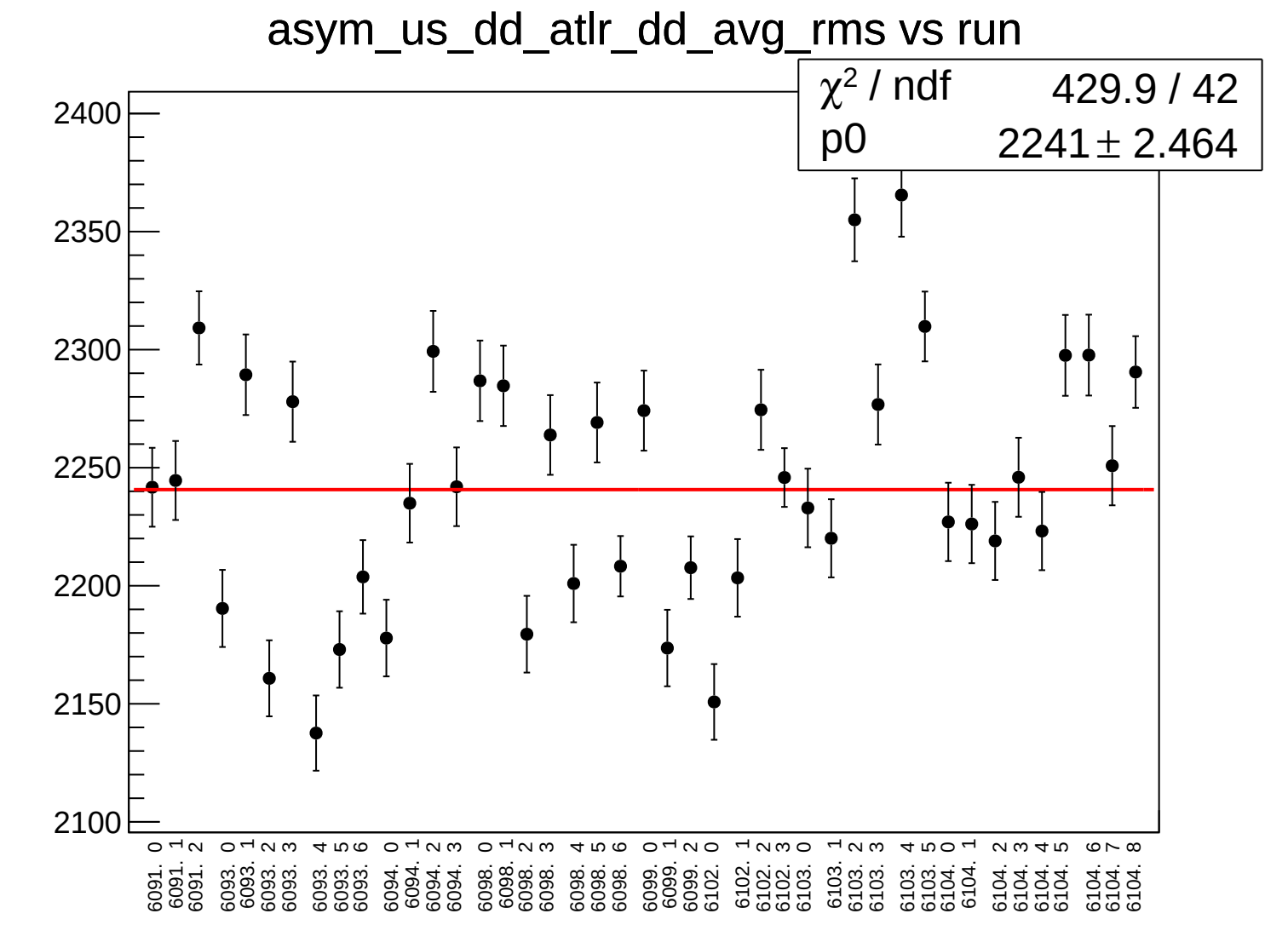

eigen_dit_asym_us_dd_atlr_dd_avg_mean vs run
χ² / ndf 38.48 / 42
p0 457.7 ± 2765
60000
40000
20000
0
−20000
−40000
−60000
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean −109.6
Std Dev 0
2
1
0
−1
−2
pull1D
Entries 43
Mean 0.0152
Std Dev 0.9459
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

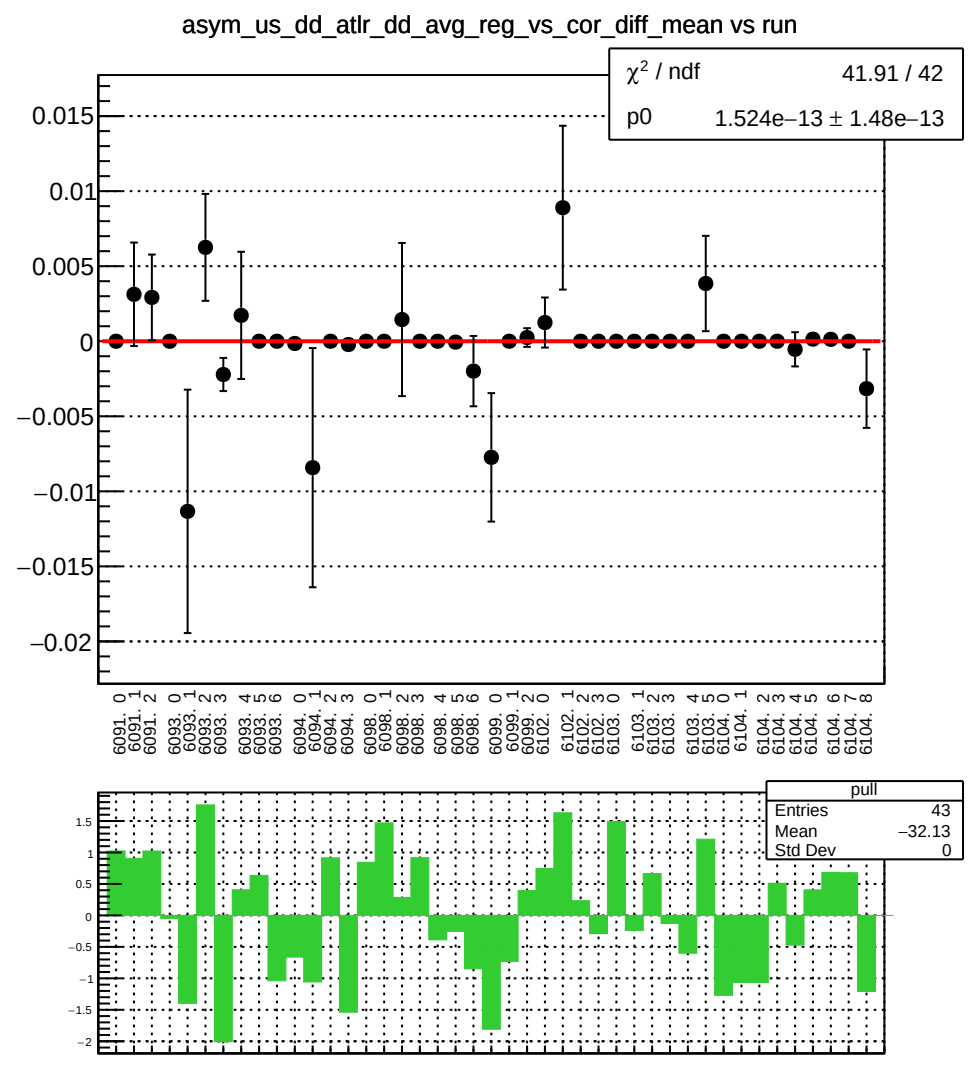

eigen_dit_asym_us_dd_atlr_dd_avg_rms vs run
χ² / ndf 187.1 / 42
p0 1779 ± 1.955
1900
1880
1860
1840
1820
1800
1780
1760
1740
1720
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

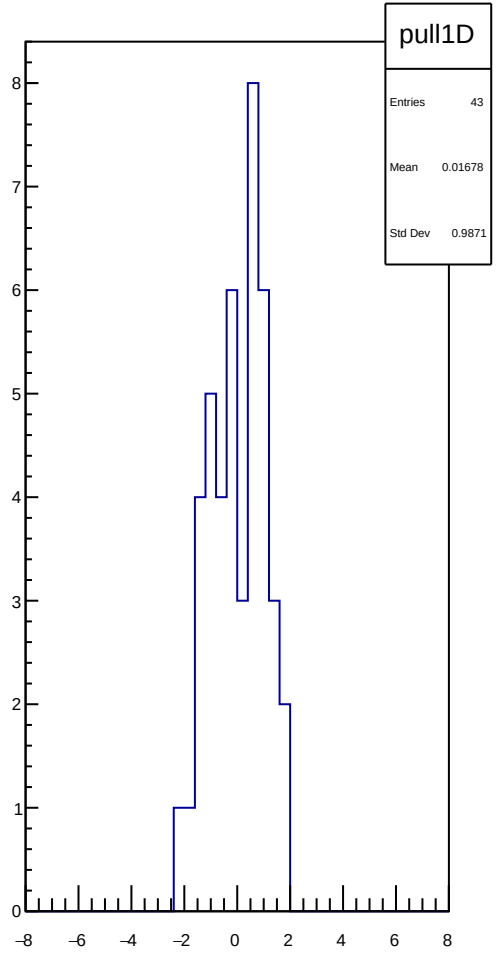

asym_us_dd_atlr_dd_avg_eigen_dit_correction_mean vs run
χ² / ndf 34.65 / 42
p0 −136.9 ± 2162
40000
20000
0
−20000
−40000
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 1.487
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 43
Mean −0.003394
Std Dev 0.8977
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

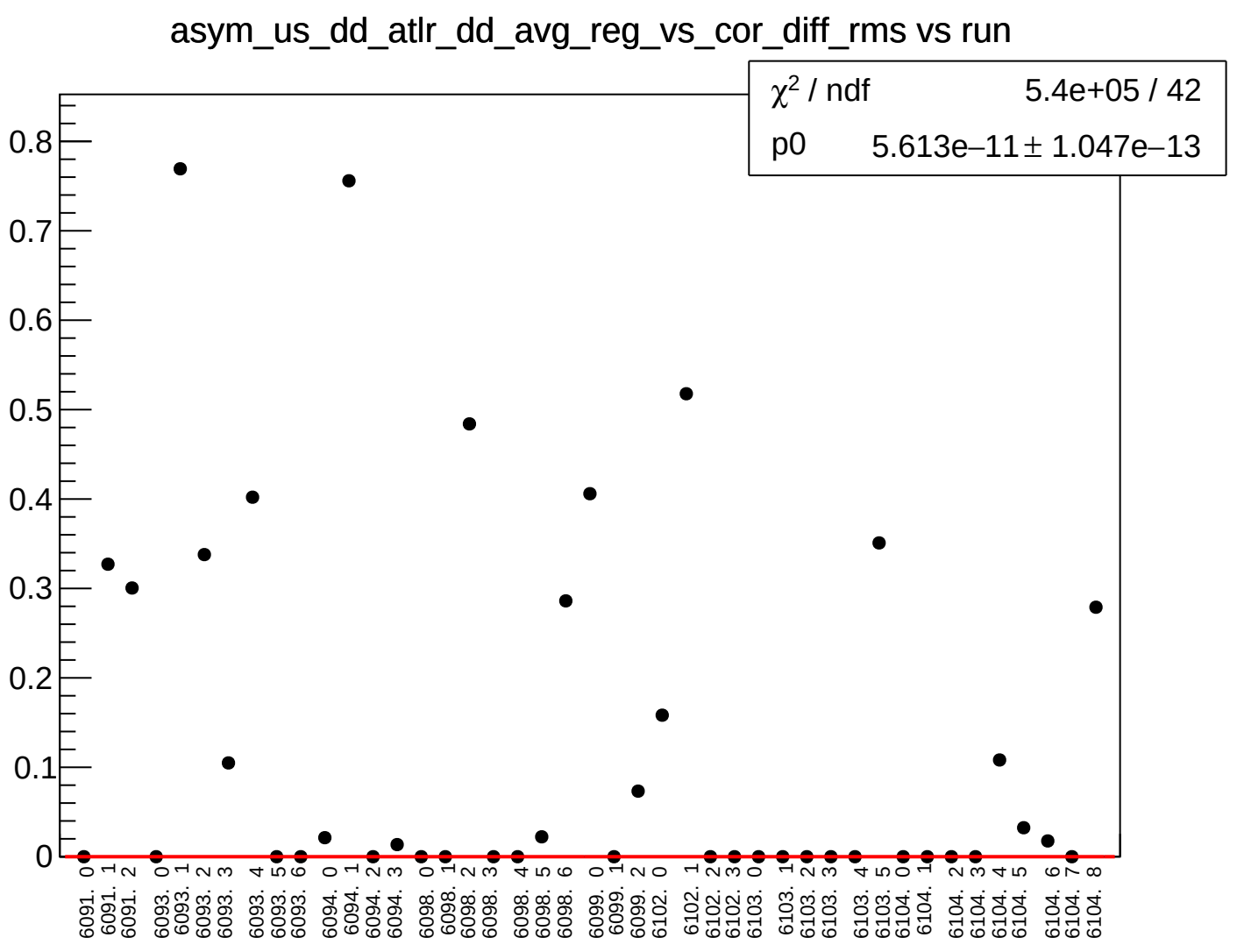

asym_us_dd_atlr_dd_avg_eigen_dit_correction_rms vs run
χ² / ndf 4336 / 42
p0 1387 ± 1.528
1600
1550
1500
1450
1400
1350
1300
1250
1200
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

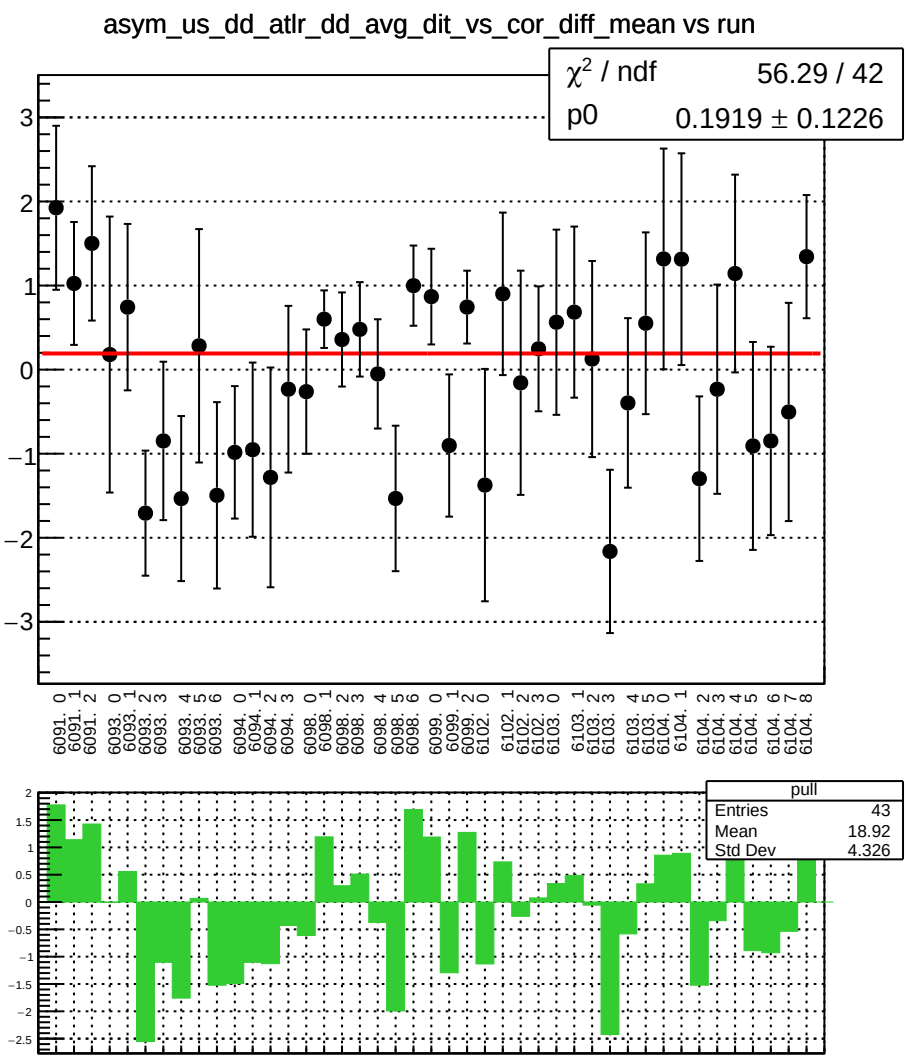

asym_us_dd_atlr_dd_avg_mean vs run
χ² / ndf 33.78 / 42
p0 741.8 ± 3484
60000
40000
20000
0
−20000
−40000
−60000
−80000
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean −124.1
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 43
Mean 0.01172
Std Dev 0.8863
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

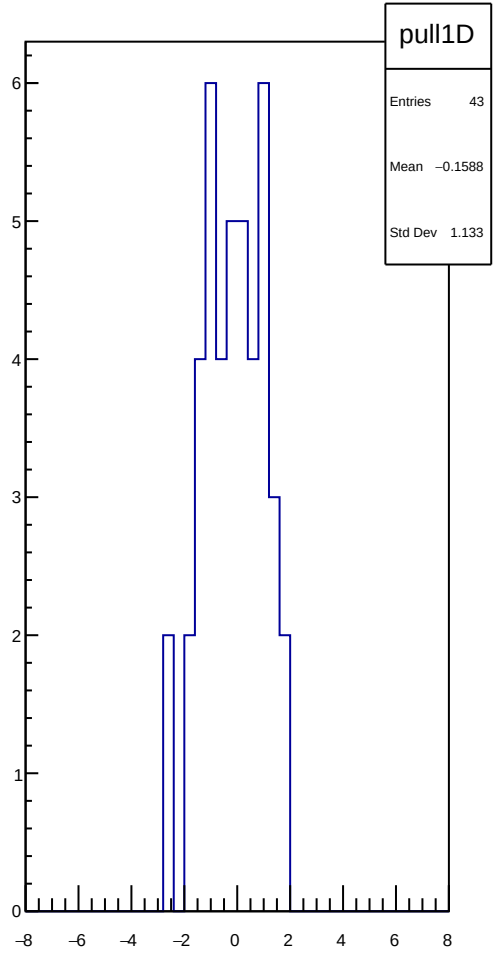

asym_us_dd_atlr_dd_avg_rms vs run
χ² / ndf 429.9 / 42
p0 2241 ± 2.464
2400
2350
2300
2250
2200
2150
2100
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

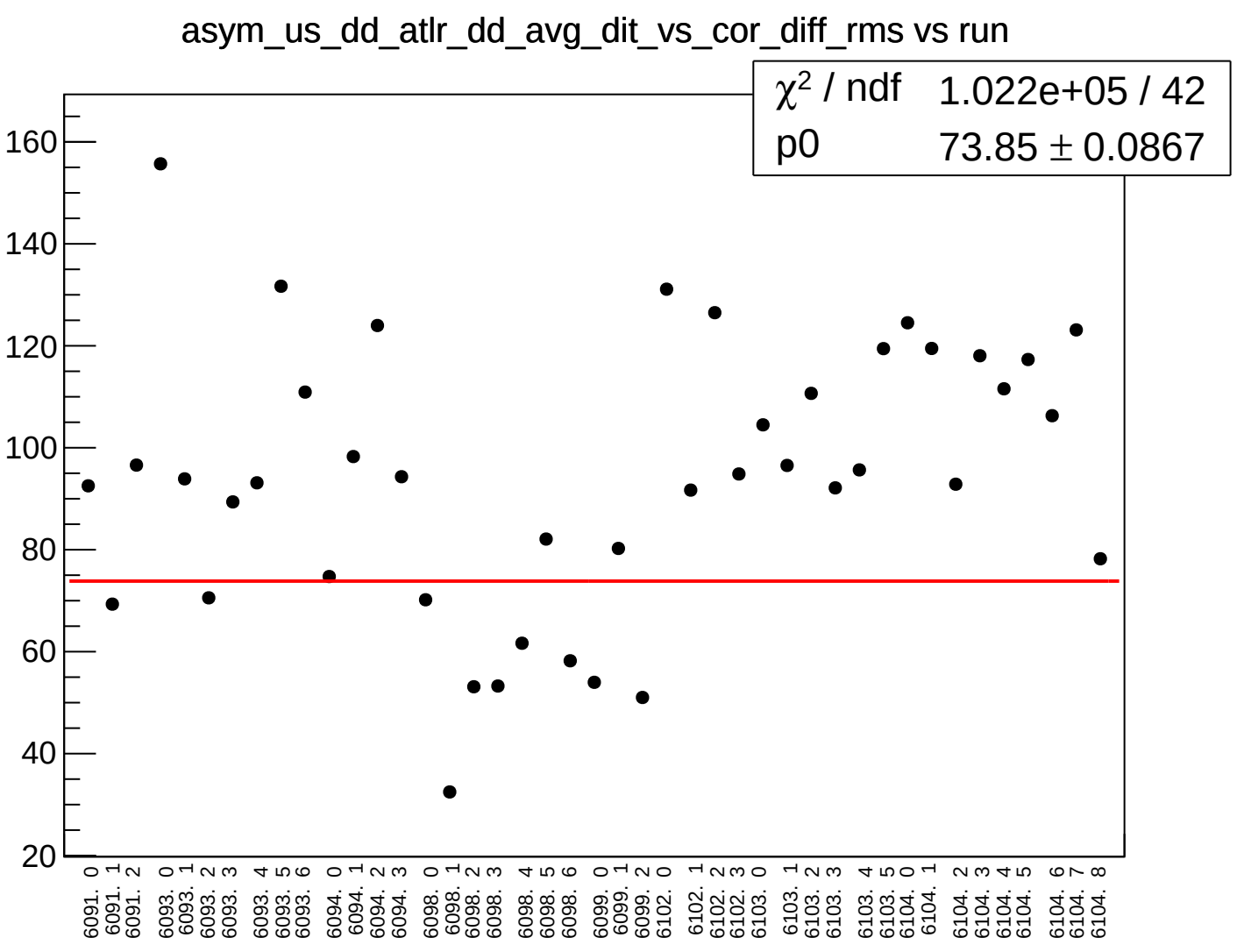

asym_us_dd_atlr_dd_avg_reg_vs_cor_diff_mean vs run
χ² / ndf 41.91 / 42
p0 1.524e−13 ± 1.48e−13
0.015
0.01
0.005
0
−0.005
−0.01
−0.015
−0.02
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean −32.13
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2

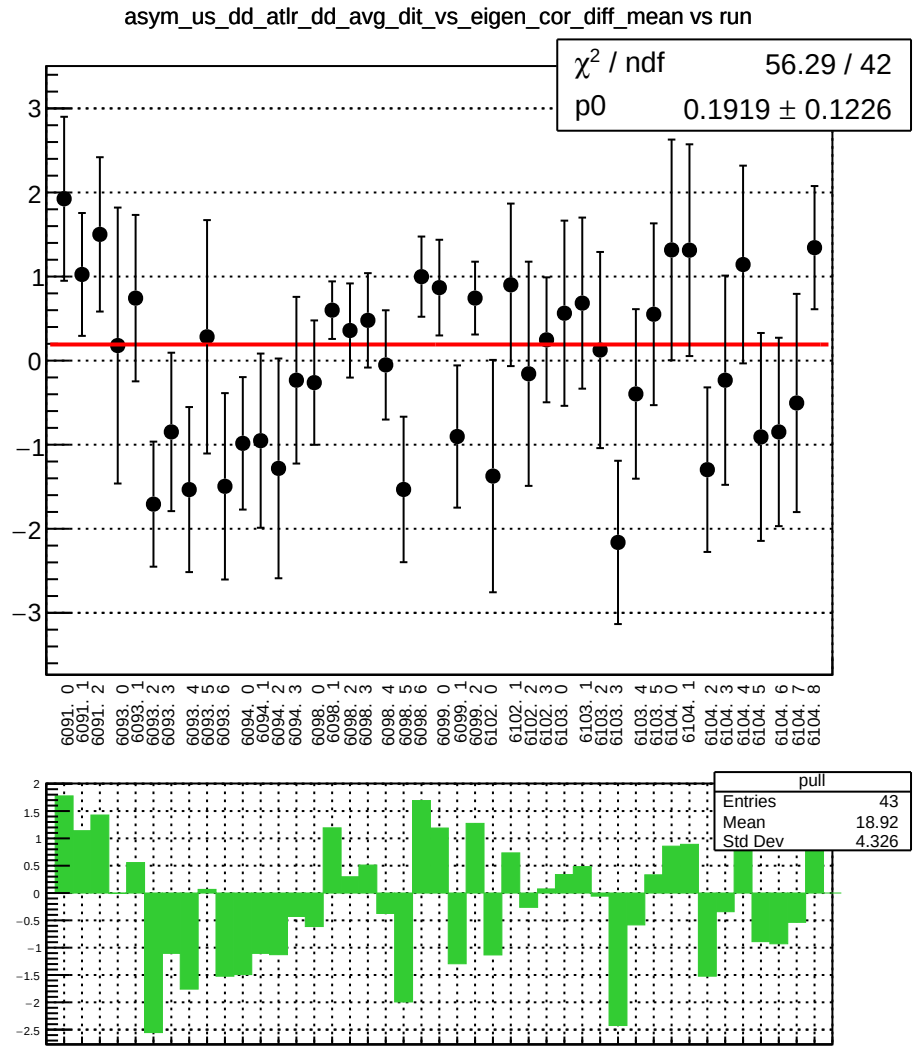

pull1D
Entries 43
Mean 0.01678
Std Dev 0.9871
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

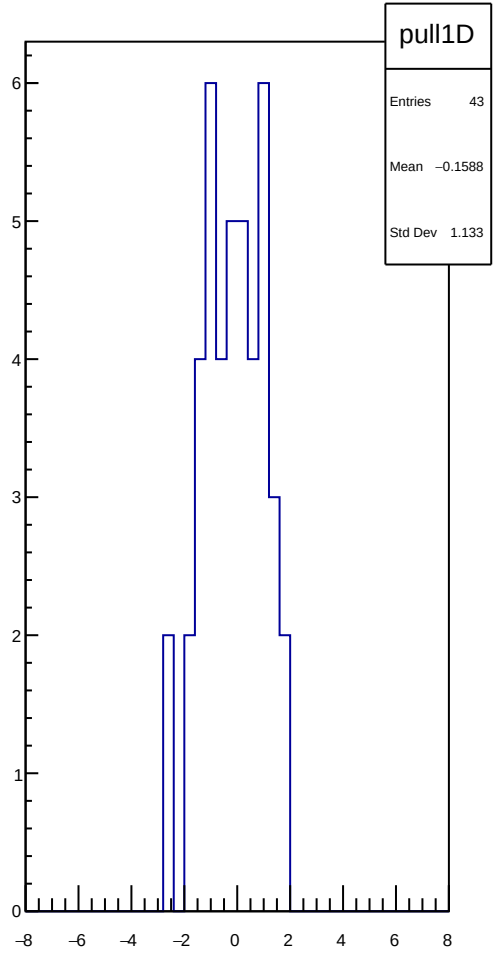

asym_us_dd_atlr_dd_avg_reg_vs_cor_diff_rms vs run
χ² / ndf 5.4e+05 / 42
p0 5.613e−11 ± 1.047e−13
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

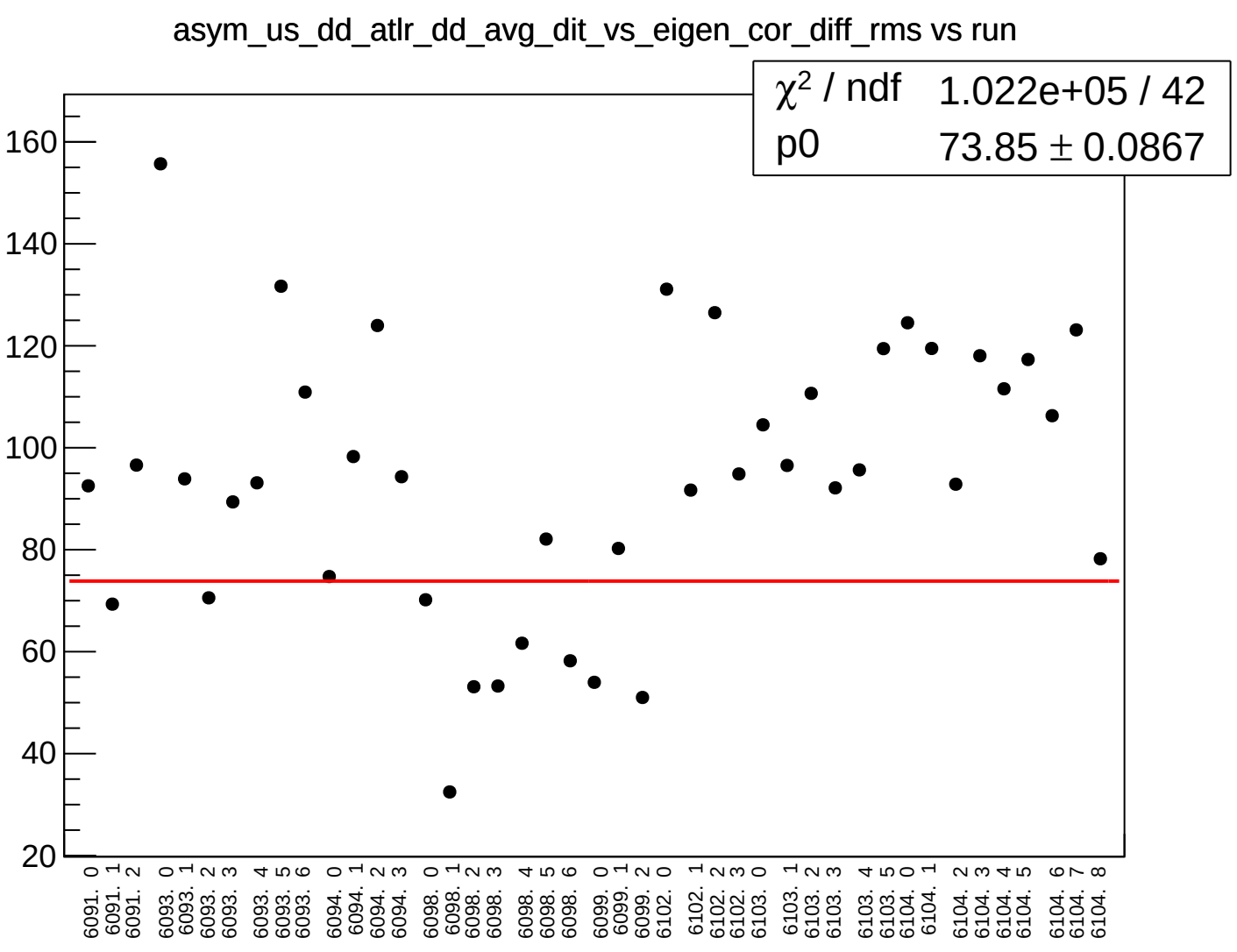

asym_us_dd_atlr_dd_avg_dit_vs_cor_diff_mean vs run
χ² / ndf 56.29 / 42
p0 0.1919 ± 0.1226
pull
Entries 43
Mean 18.92
Std Dev 4.326

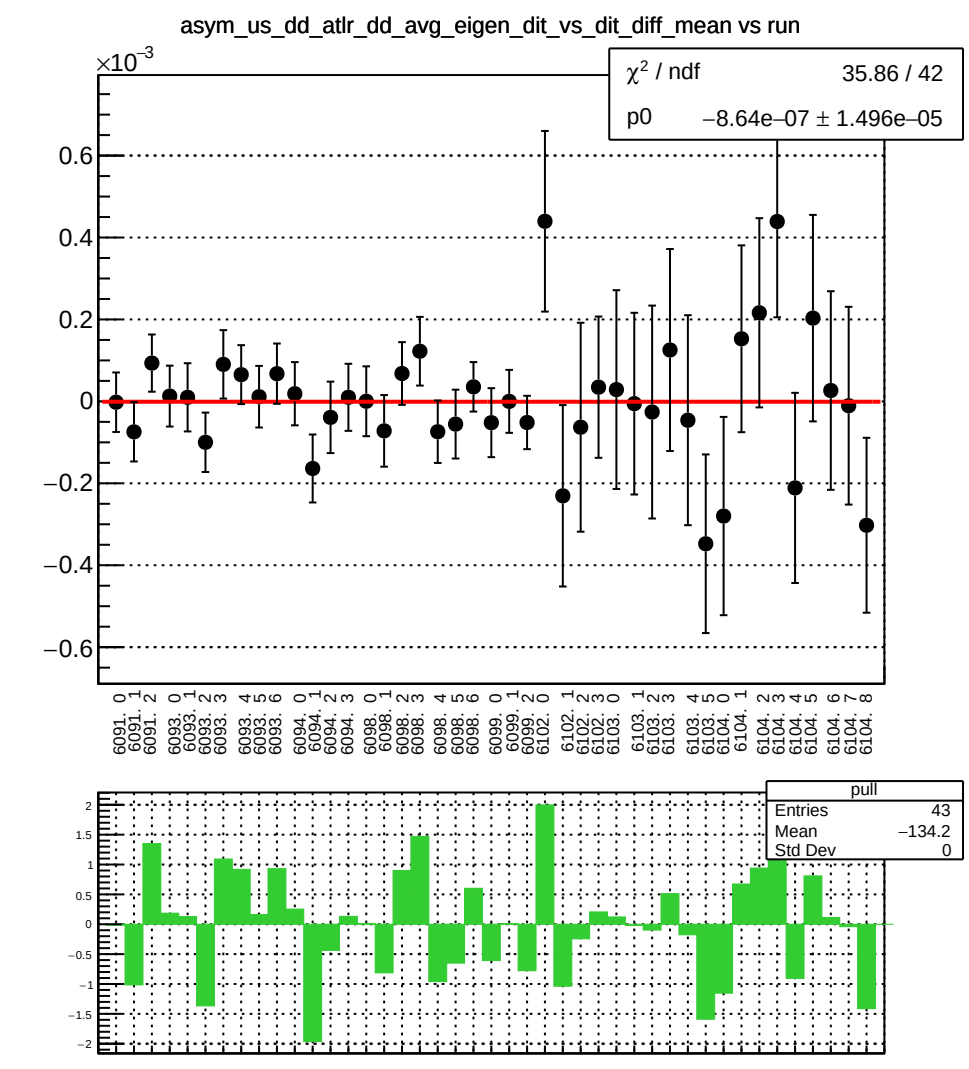

pull1D
Entries 43
Mean −0.1588
Std Dev 1.133

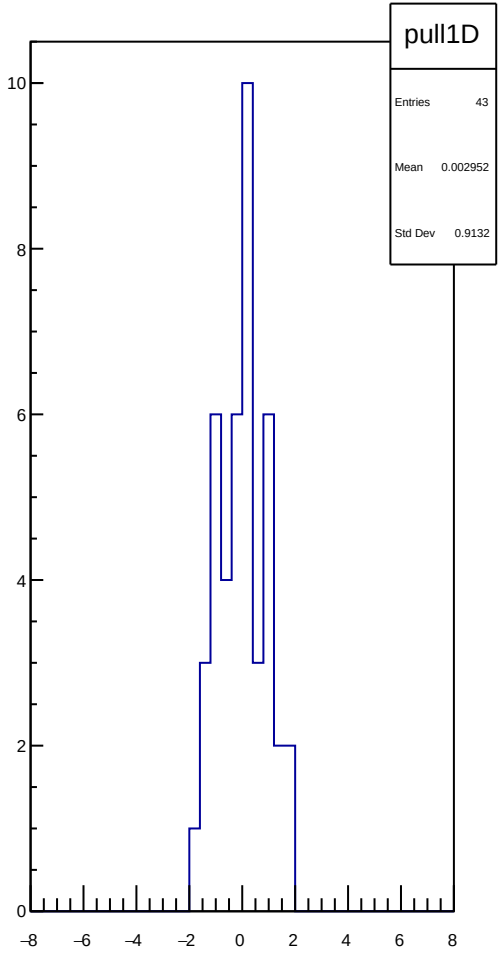

asym_us_dd_atlr_dd_avg_dit_vs_cor_diff_rms vs run
χ² / ndf 1.022e+05 / 42
p0 73.85 ± 0.0867
160
140
120
100
80
60
40
20
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

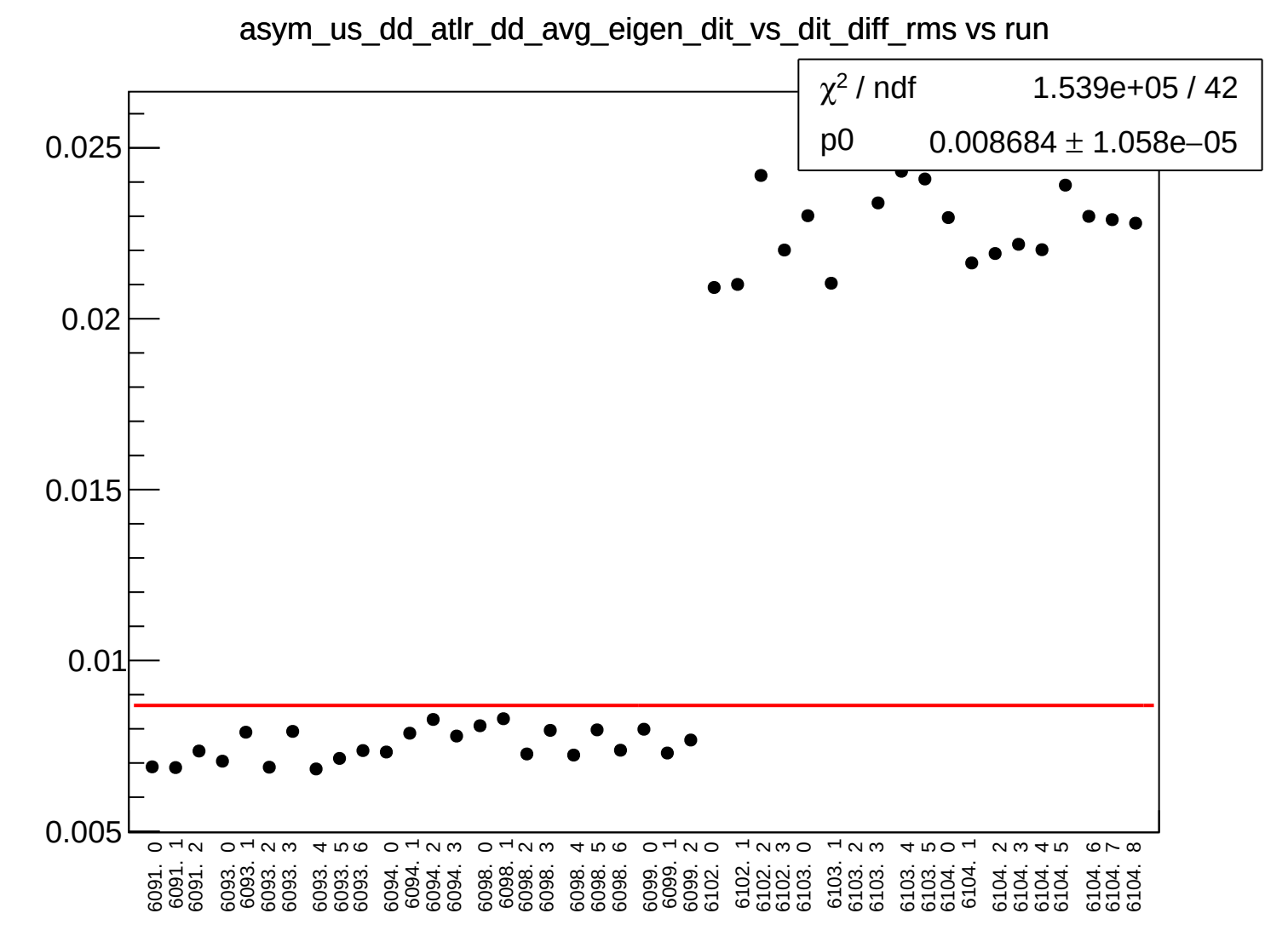

asym_us_dd_atlr_dd_avg_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 56.29 / 42
p0 0.1919 ± 0.1226
pull
Entries 43
Mean 18.92
Std Dev 4.326

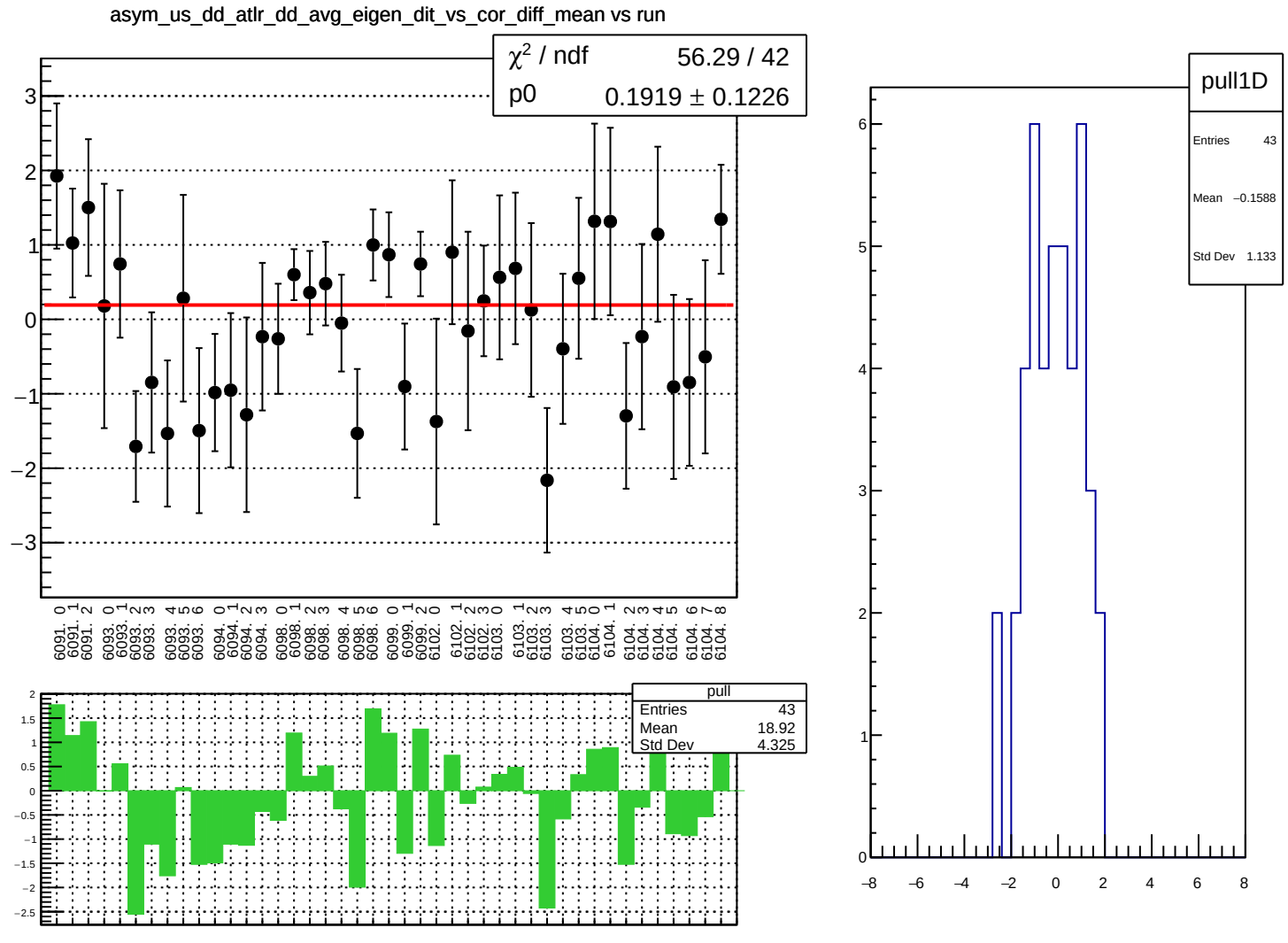

pull1D
Entries 43
Mean −0.1588
Std Dev 1.133

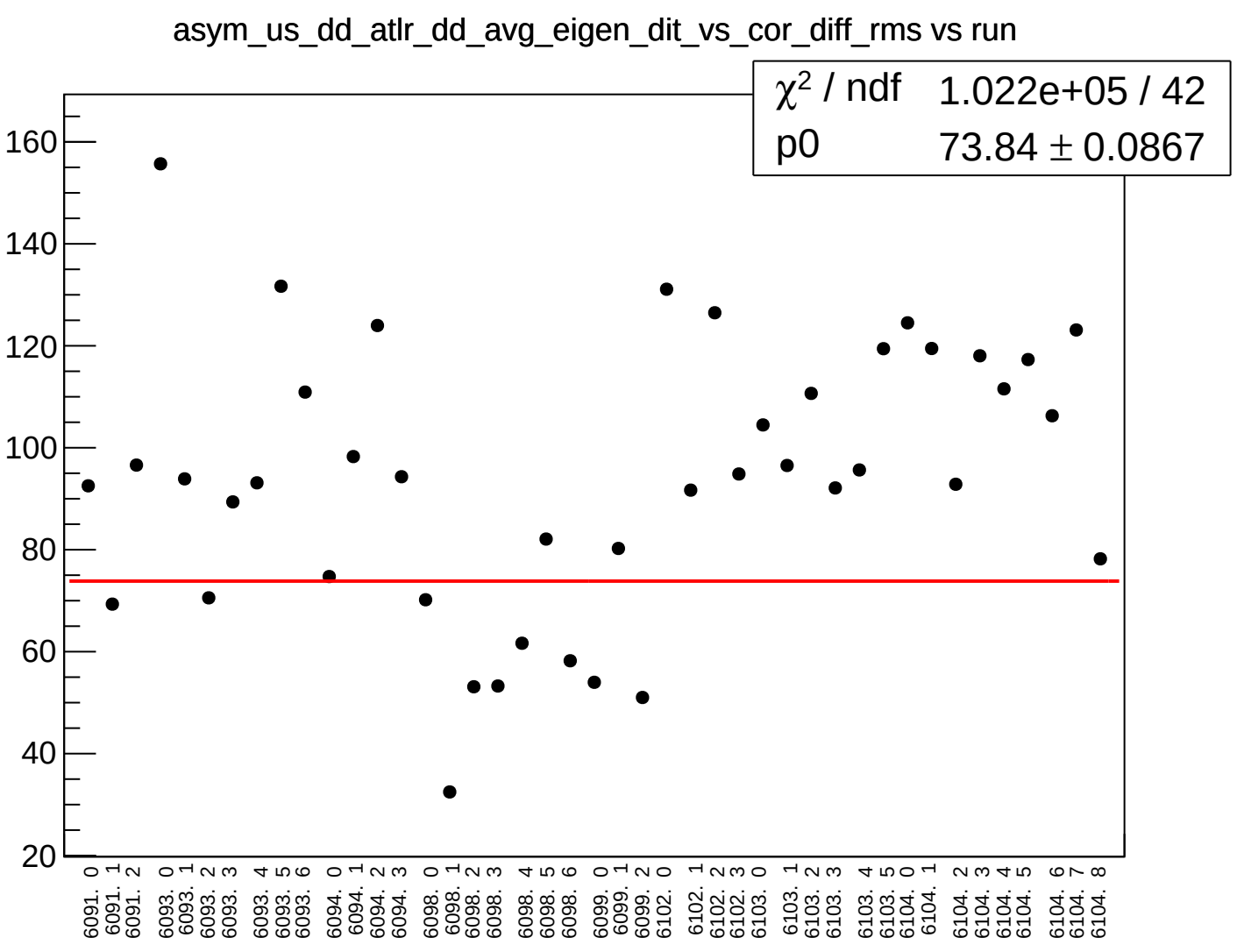

asym_us_dd_atlr_dd_avg_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.022e+05 / 42
p0 73.85 ± 0.0867
160
140
120
100
80
60
40
20
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

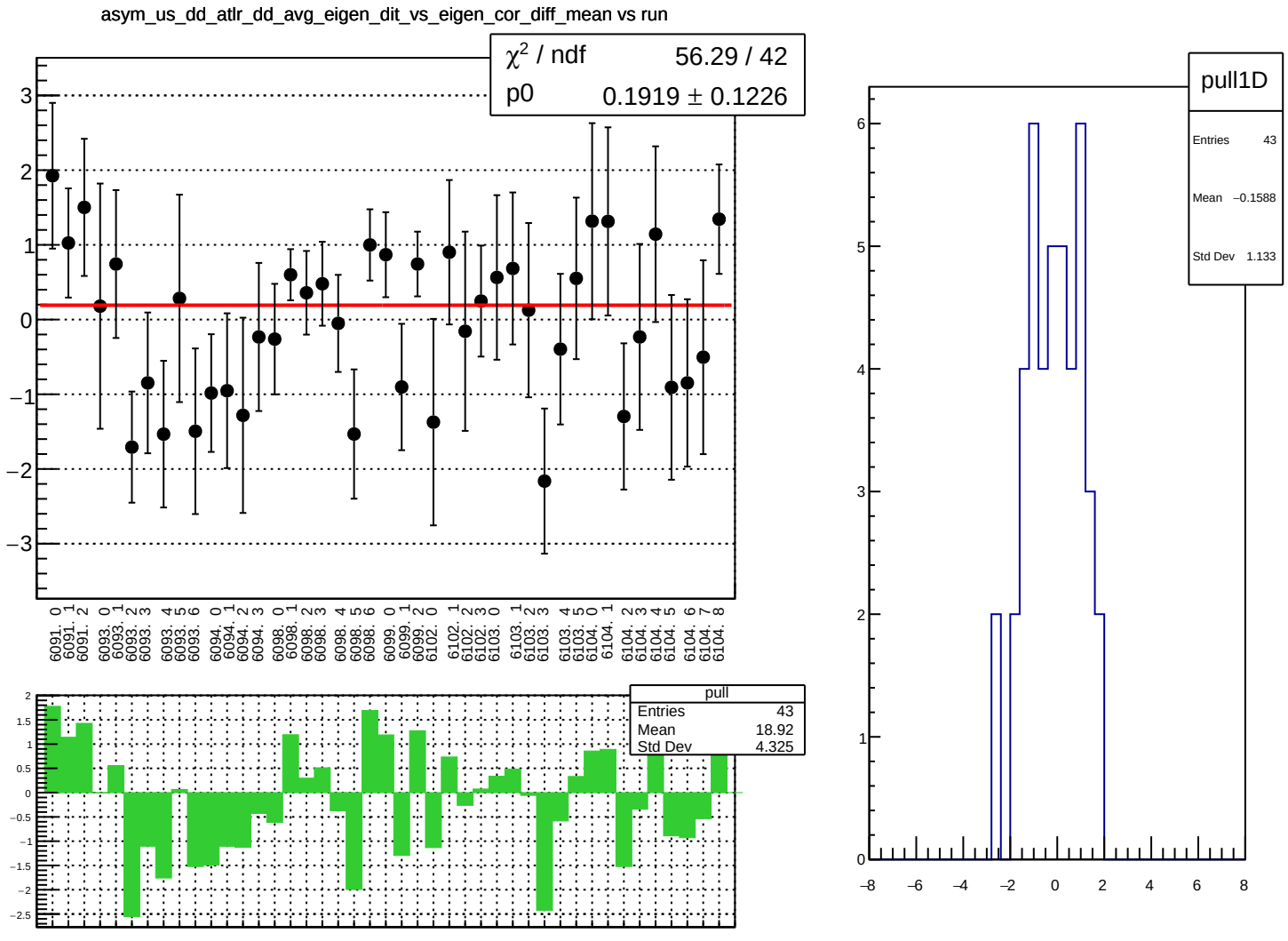

asym_us_dd_atlr_dd_avg_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 35.86 / 42
p0 −8.64e−07 ± 1.496e−05
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean −134.2
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

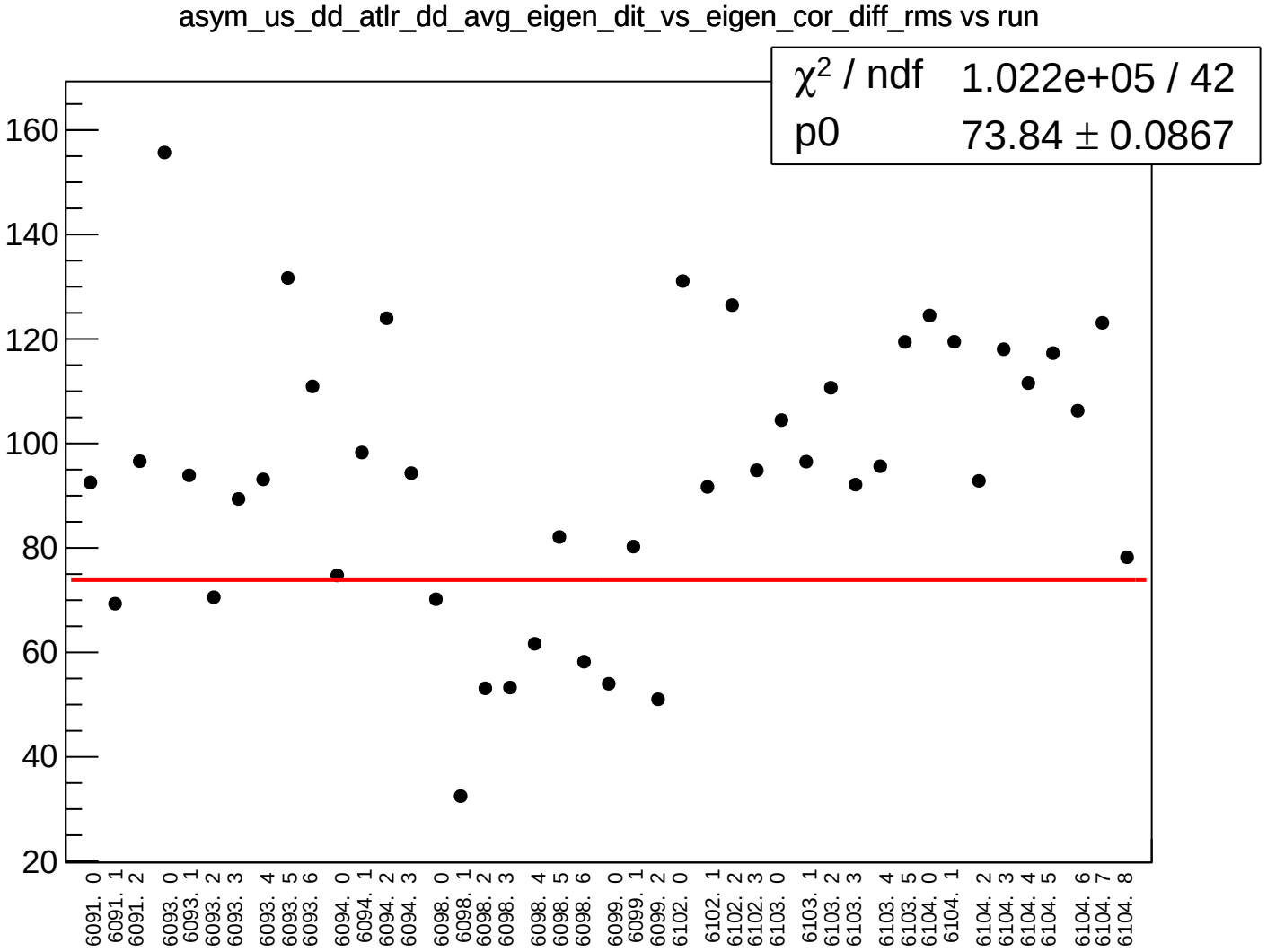

pull1D
Entries 43
Mean 0.002952
Std Dev 0.9132
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

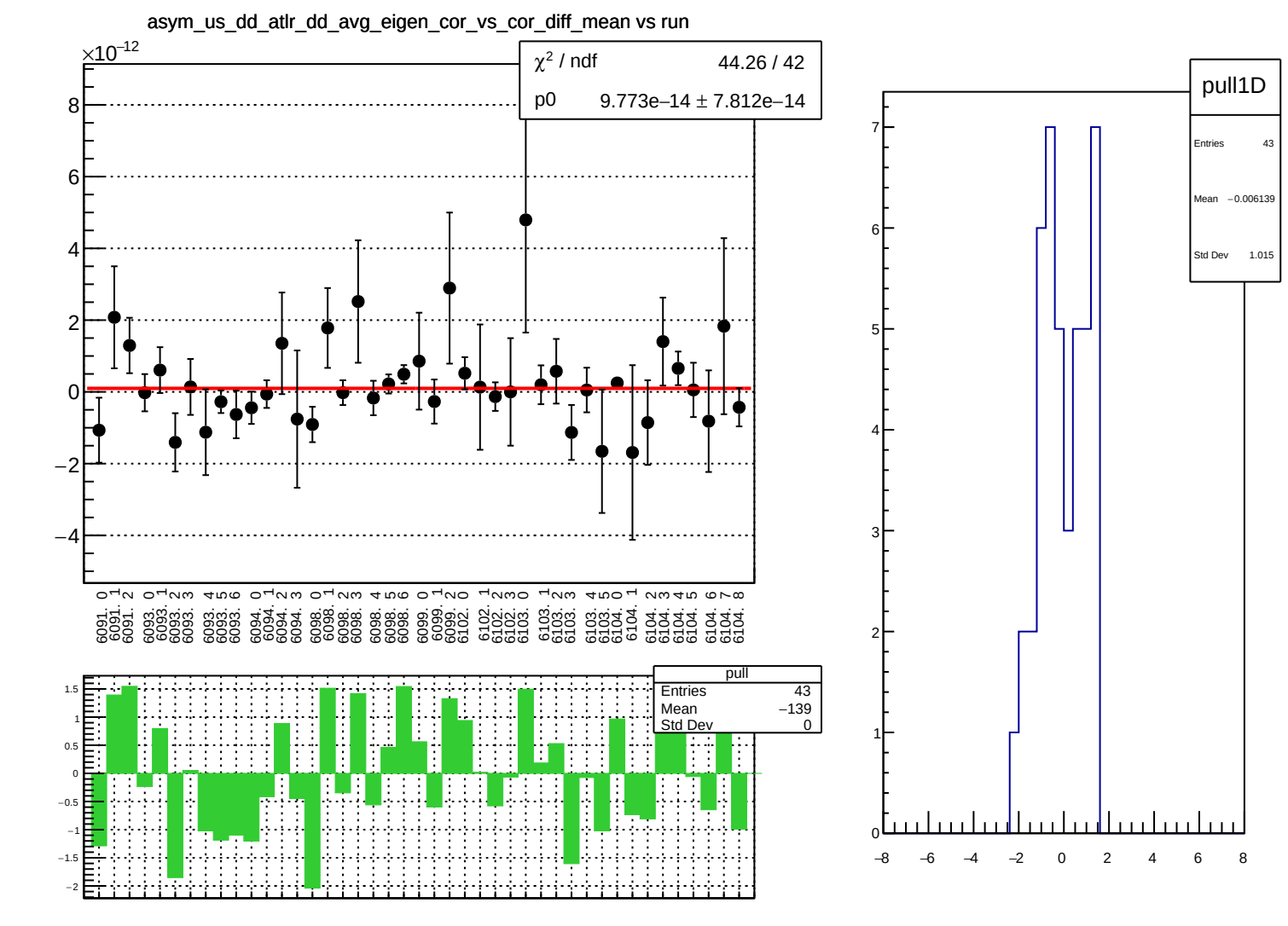

asym_us_dd_atlr_dd_avg_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 1.539e+05 / 42
p0 0.008684 ± 1.058e−05
0.025
0.02
0.015
0.01
0.005
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

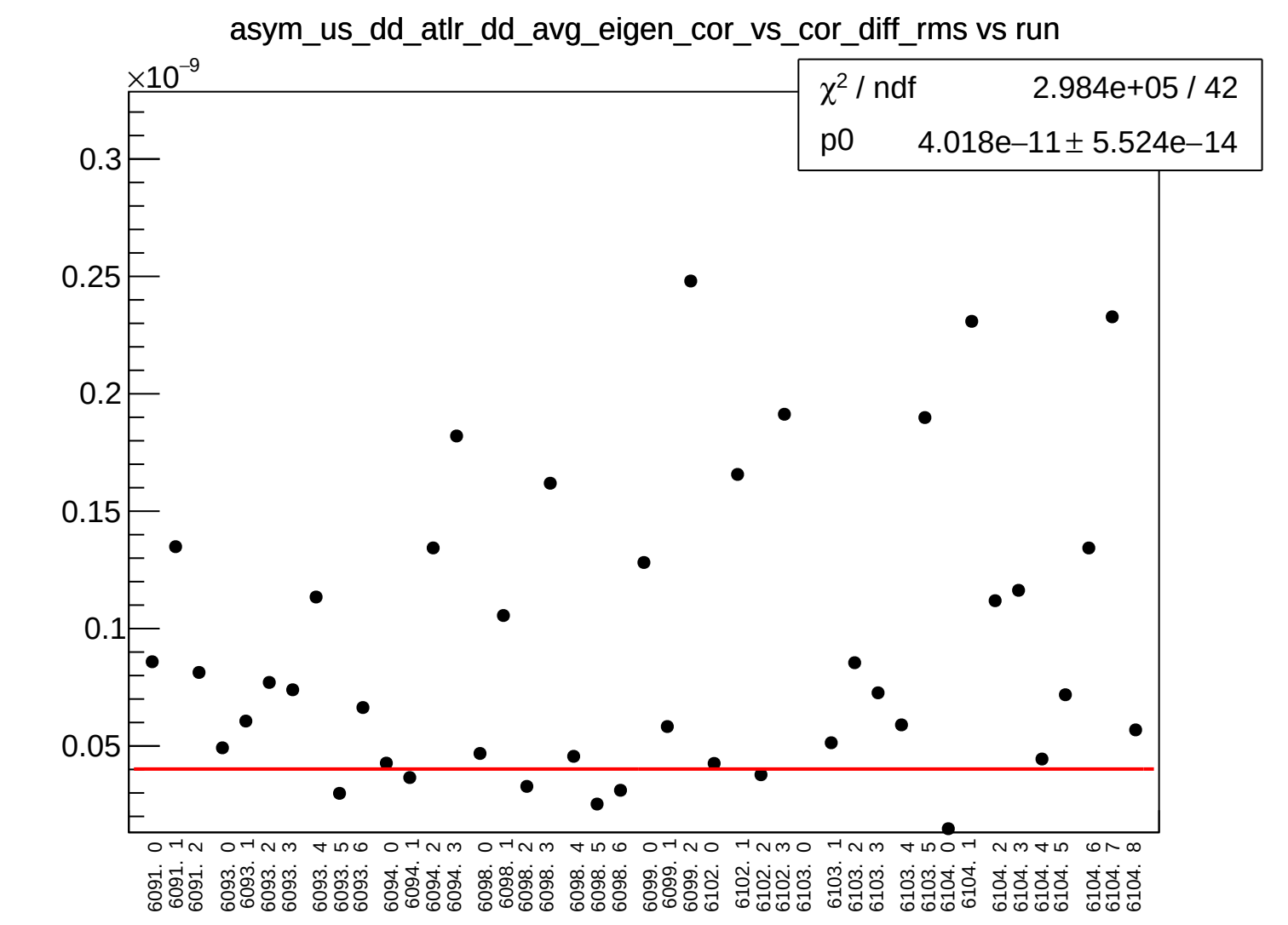

asym_us_dd_atlr_dd_avg_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 56.29 / 42
p0 0.1919 ± 0.1226
pull
Entries 43
Mean 18.92
Std Dev 4.325
pull1D
Entries 43
Mean −0.1588
Std Dev 1.133

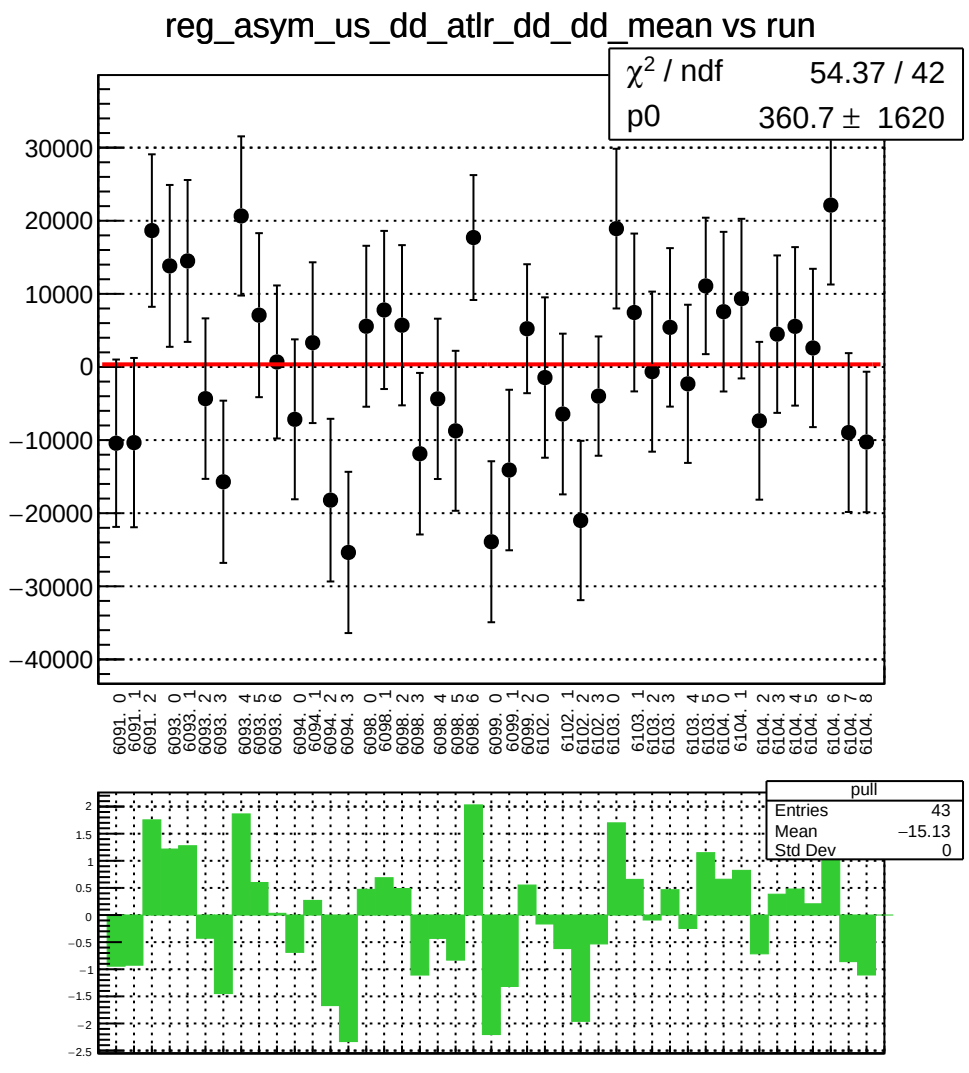

asym_us_dd_atlr_dd_avg_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 1.022e+05 / 42
p0 73.84 ± 0.0867
160
140
120
100
80
60
40
20
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

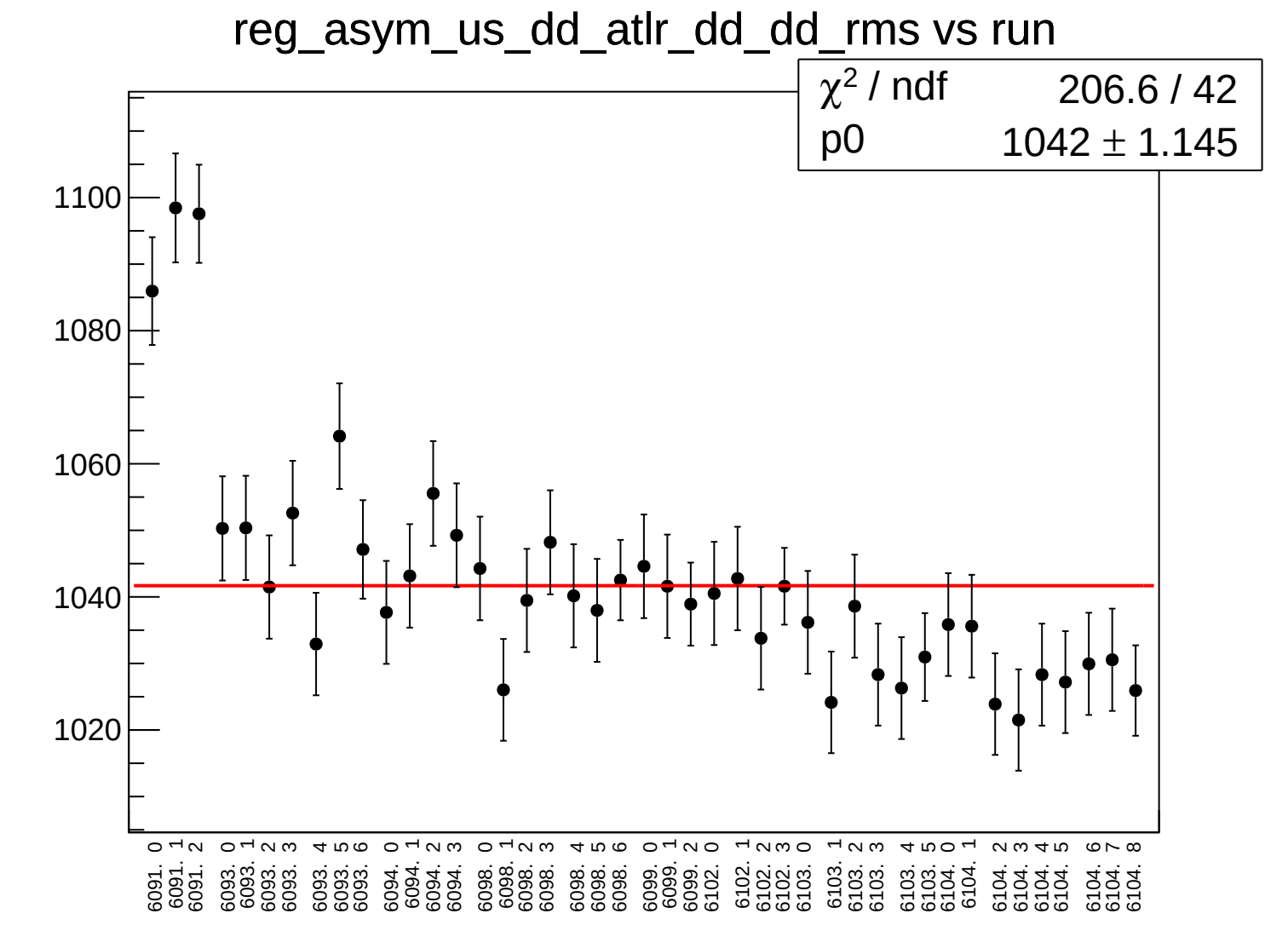

asym_us_dd_atlr_dd_avg_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 56.29 / 42
p0 0.1919 ± 0.1226
pull
Entries 43
Mean 18.92
Std Dev 4.325
pull1D
Entries 43
Mean −0.1588
Std Dev 1.133

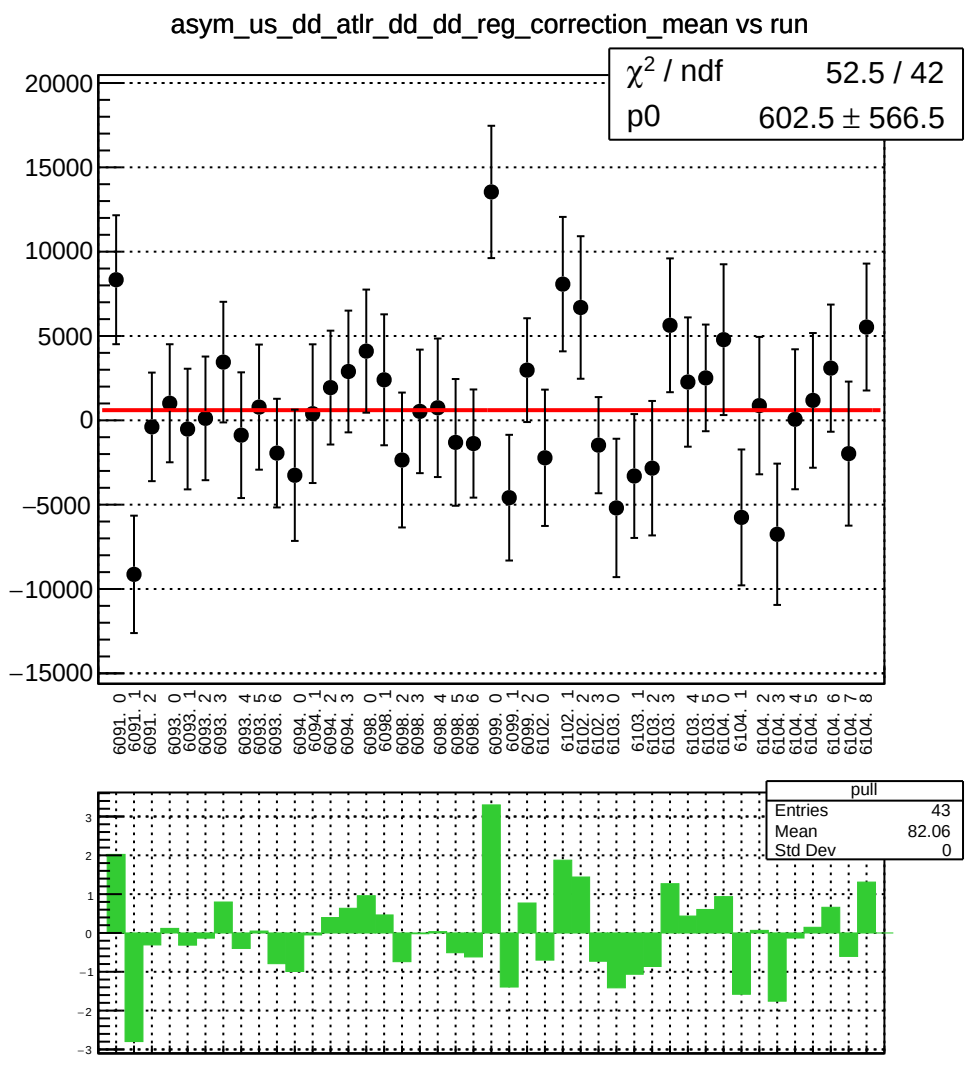

asym_us_dd_atlr_dd_avg_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.022e+05 / 42
p0 73.84 ± 0.0867
160
140
120
100
80
60
40
20
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

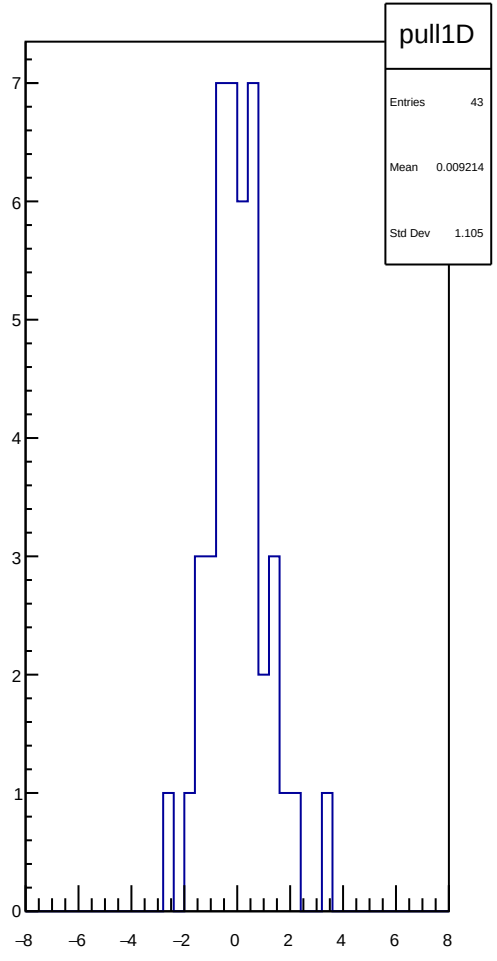

asym_us_dd_atlr_dd_avg_eigen_cor_vs_cor_diff_mean vs run
×10−12
χ2 / ndf 44.26 / 42
p0 9.773e−14 ± 7.812e−14
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean −139
Std Dev 0
pull1D
Entries 43
Mean −0.006139
Std Dev 1.015

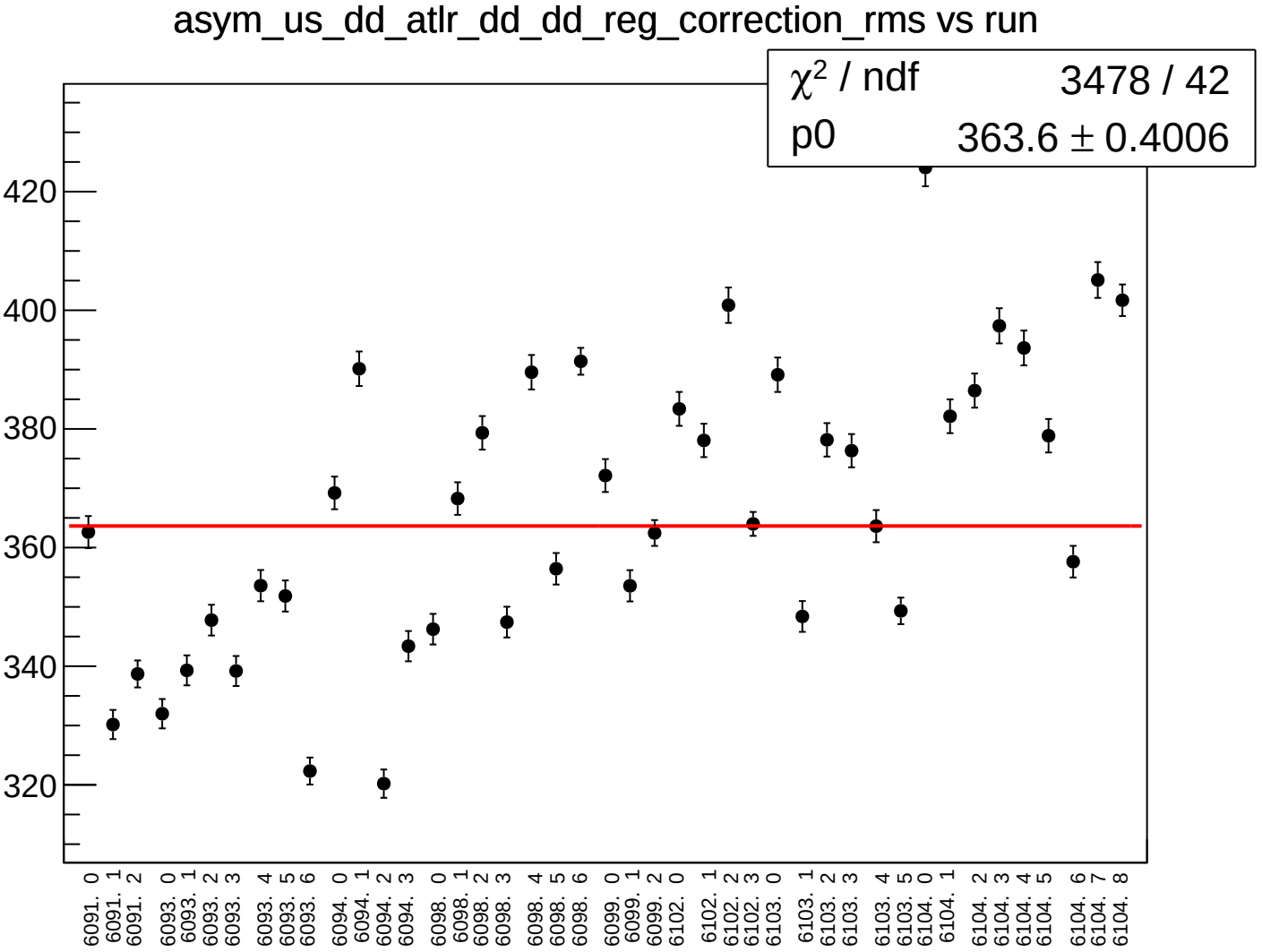

asym_us_dd_atlr_dd_avg_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 2.984e+05 / 42
p0 4.018e−11 ± 5.524e−14
0.3
0.25
0.2
0.15
0.1
0.05
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

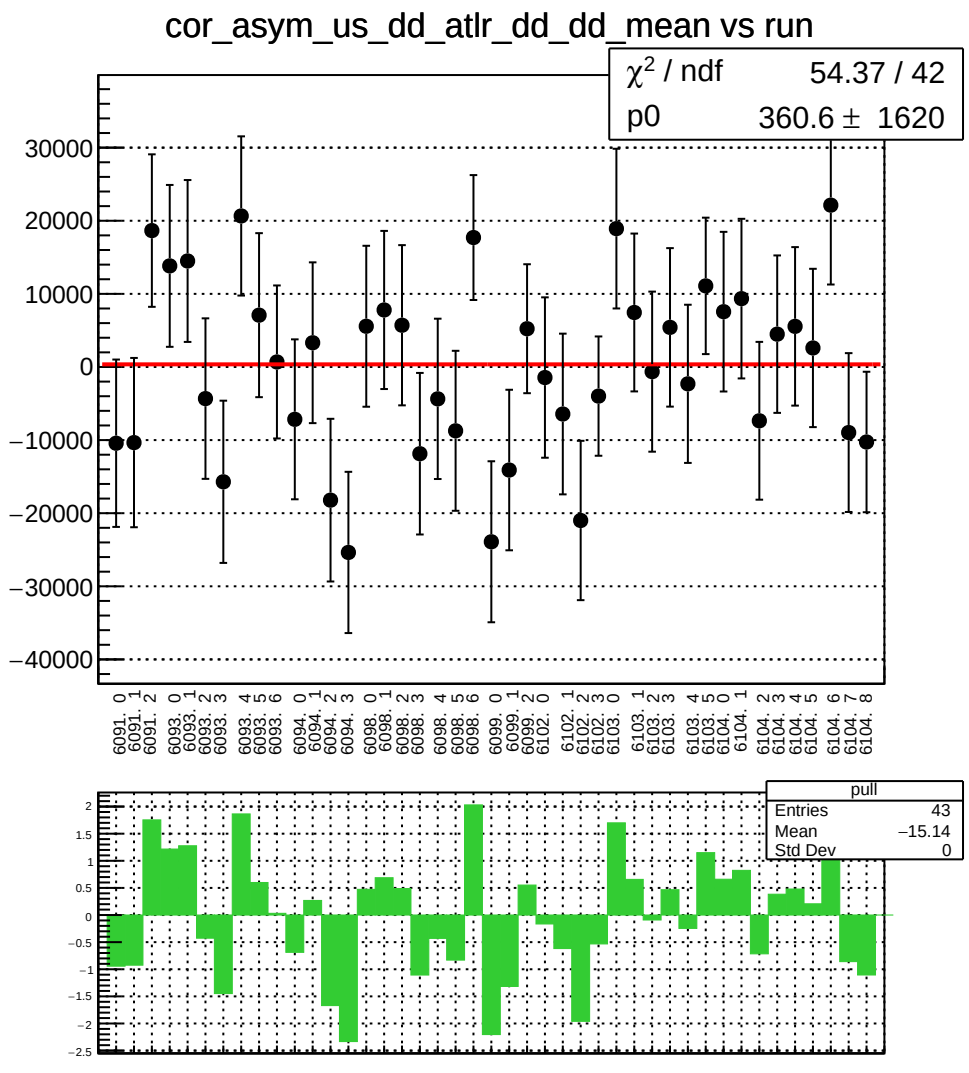

reg_asym_us_dd_atlr_dd_dd_mean vs run
χ² / ndf 54.37 / 42
p0 360.7 ± 1620
30000
20000
10000
0
−10000
−20000
−30000
−40000
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean −15.13
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5
pull1D
Entries 43
Mean −0.01947
Std Dev 1.124
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

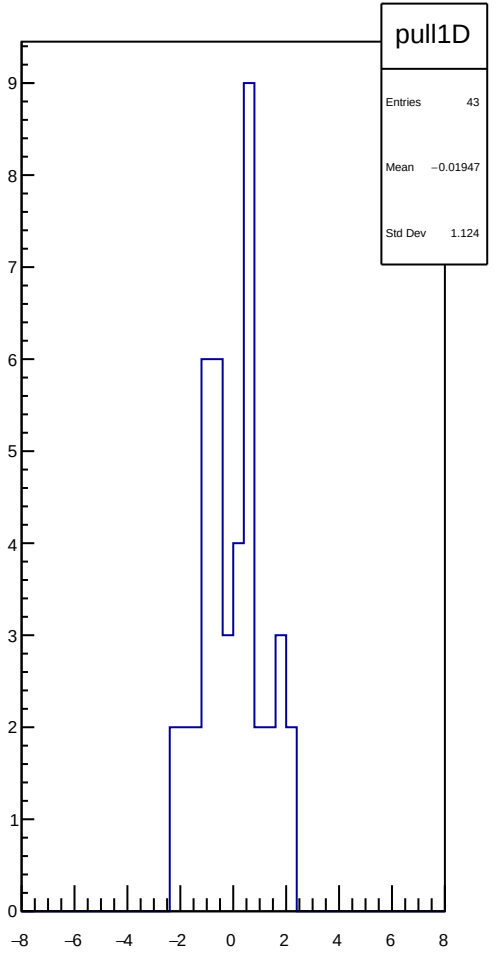

reg_asym_us_dd_atlr_dd_dd_rms vs run
χ² / ndf 206.6 / 42
p0 1042 ± 1.145
1100
1080
1060
1040
1020
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

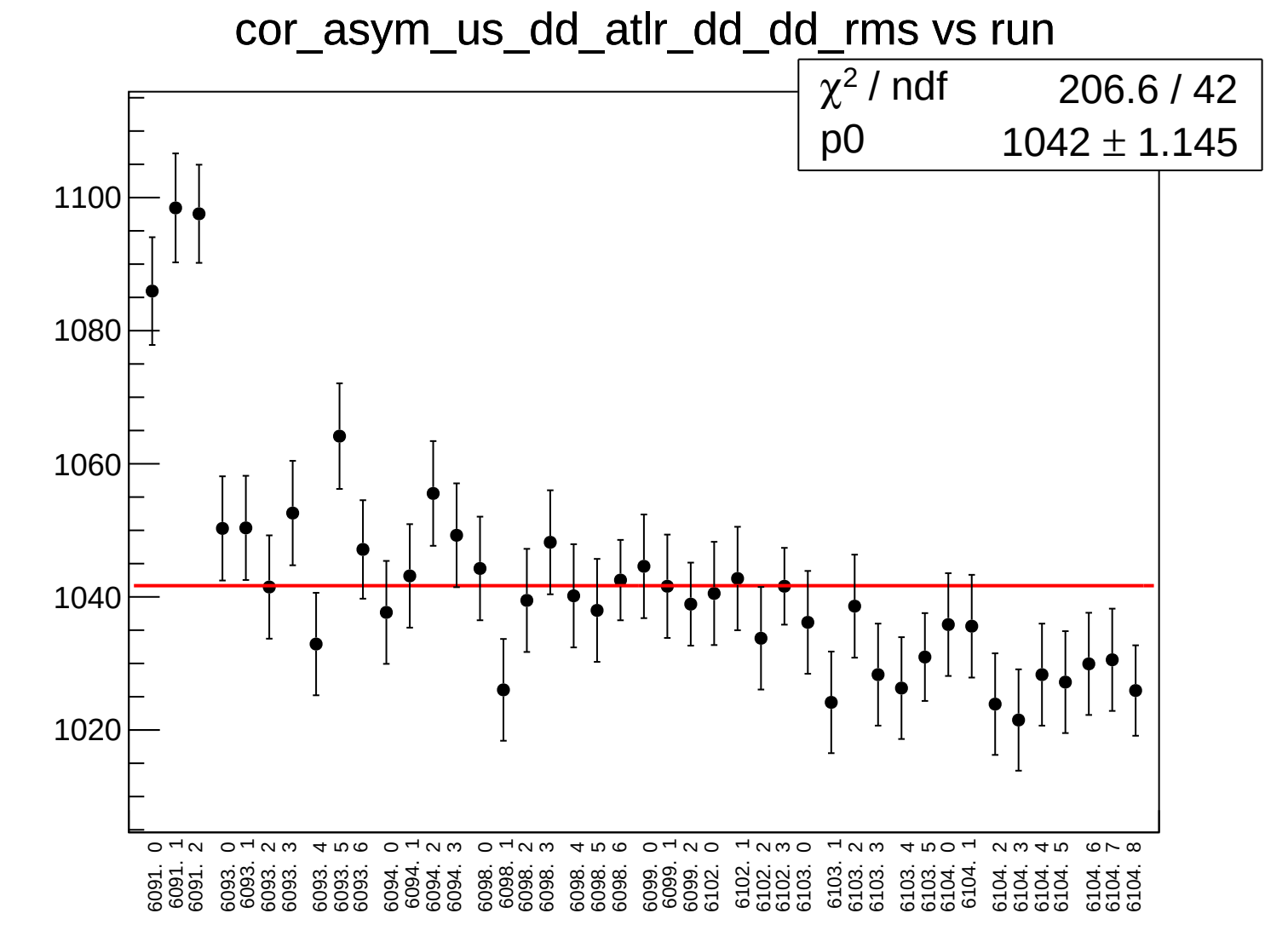

asym_us_dd_atlr_dd_dd_reg_correction_mean vs run
χ² / ndf 52.5 / 42
p0 602.5 ± 566.5
pull
Entries 43
Mean 82.06
Std Dev 0

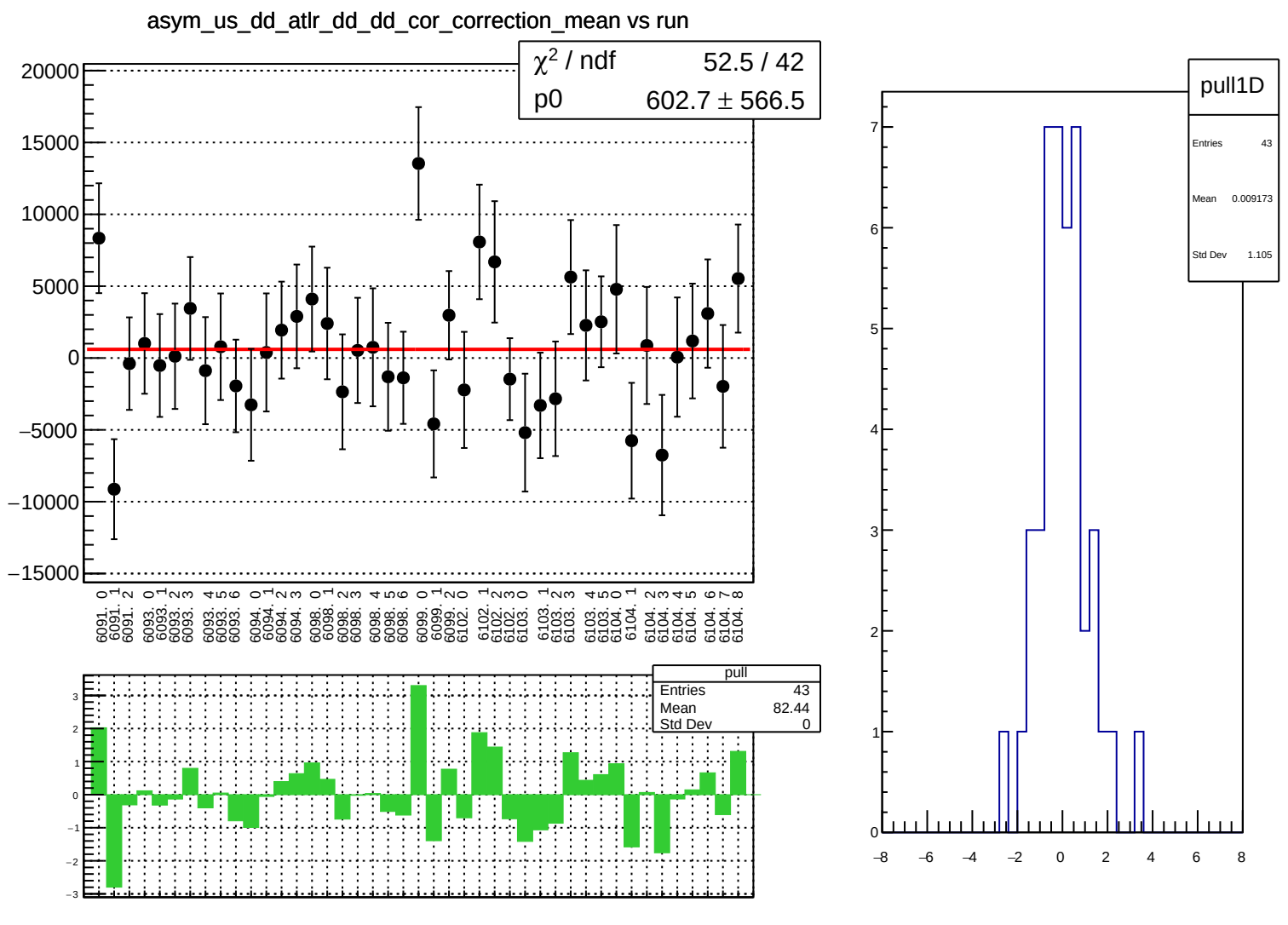

pull1D
Entries 43
Mean 0.009214
Std Dev 1.105

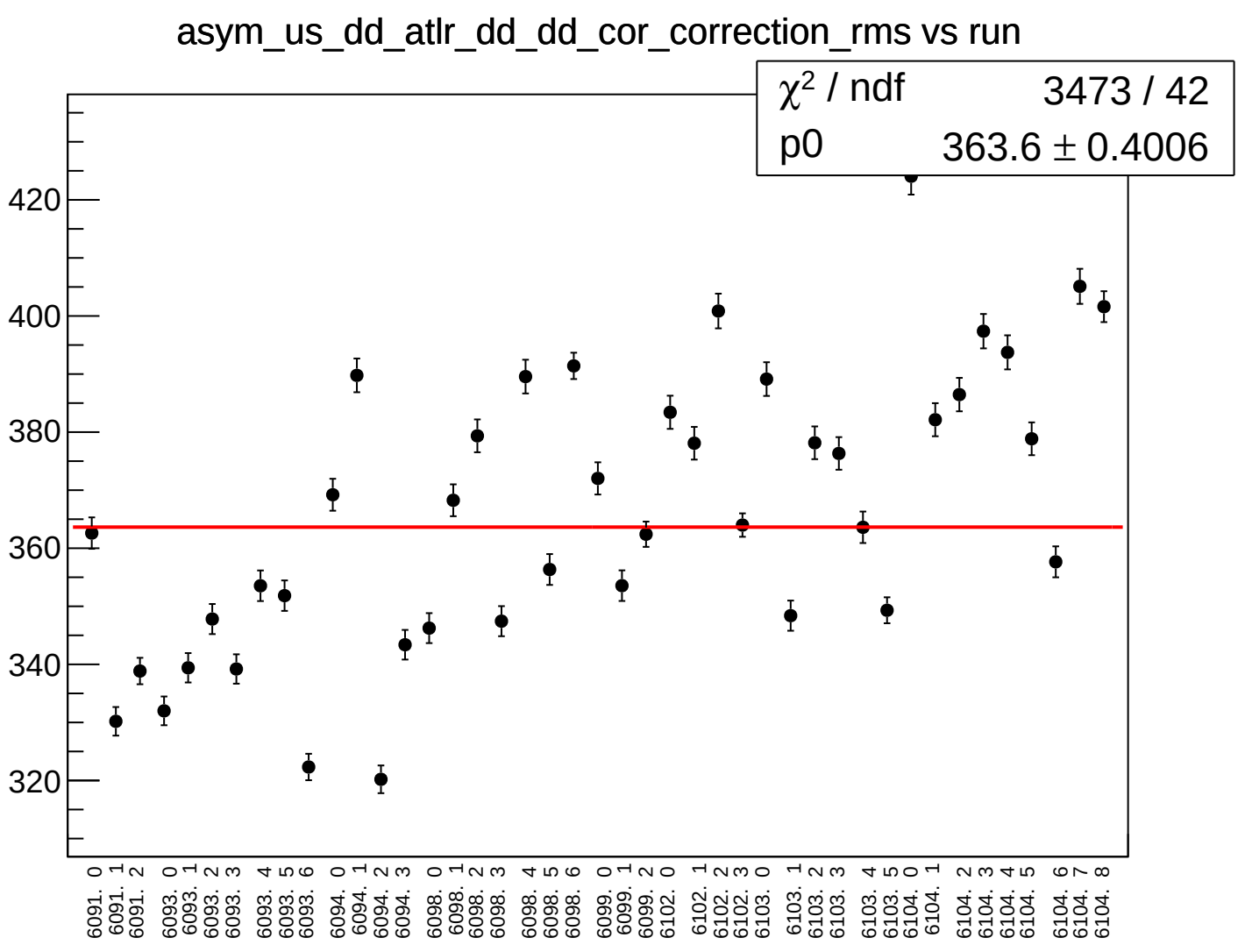

asym_us_dd_atlr_dd_dd_reg_correction_rms vs run
χ² / ndf 3478 / 42
p0 363.6 ± 0.4006
420
400
380
360
340
320
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

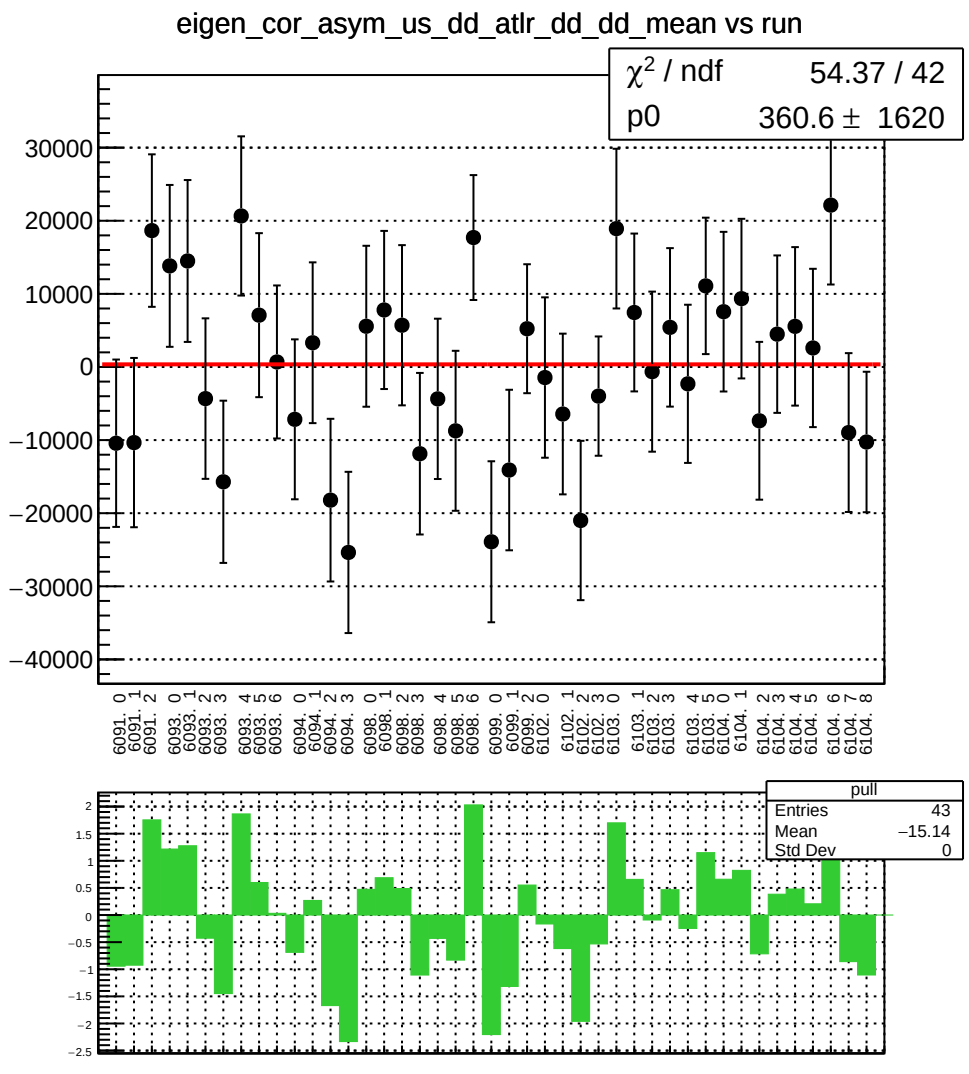

cor_asym_us_dd_atlr_dd_dd_mean vs run
χ² / ndf 54.37 / 42
p0 360.6 ± 1620
30000
20000
10000
0
−10000
−20000
−30000
−40000
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean −15.14
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

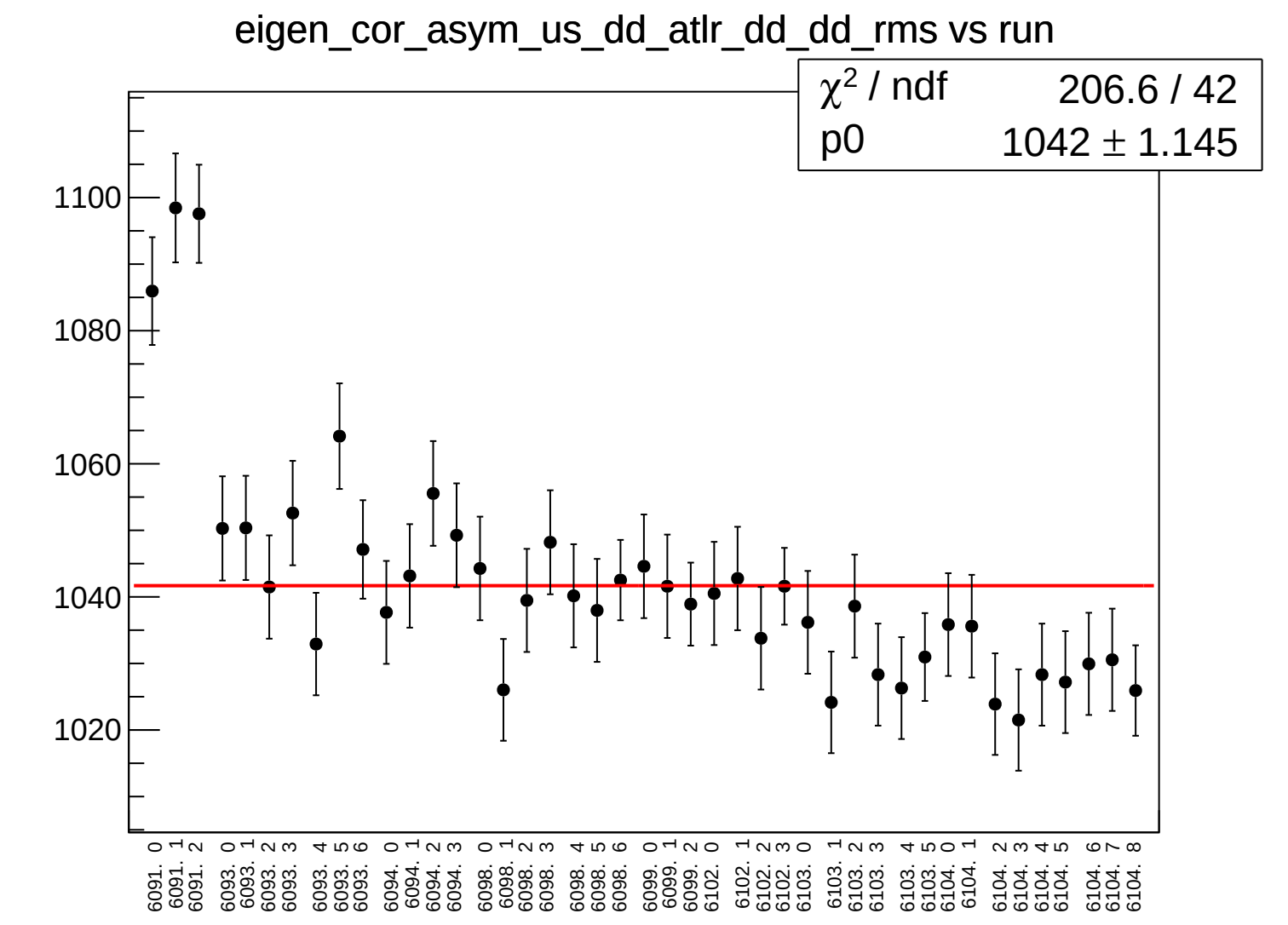

pull1D
Entries 43
Mean −0.01947
Std Dev 1.124
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

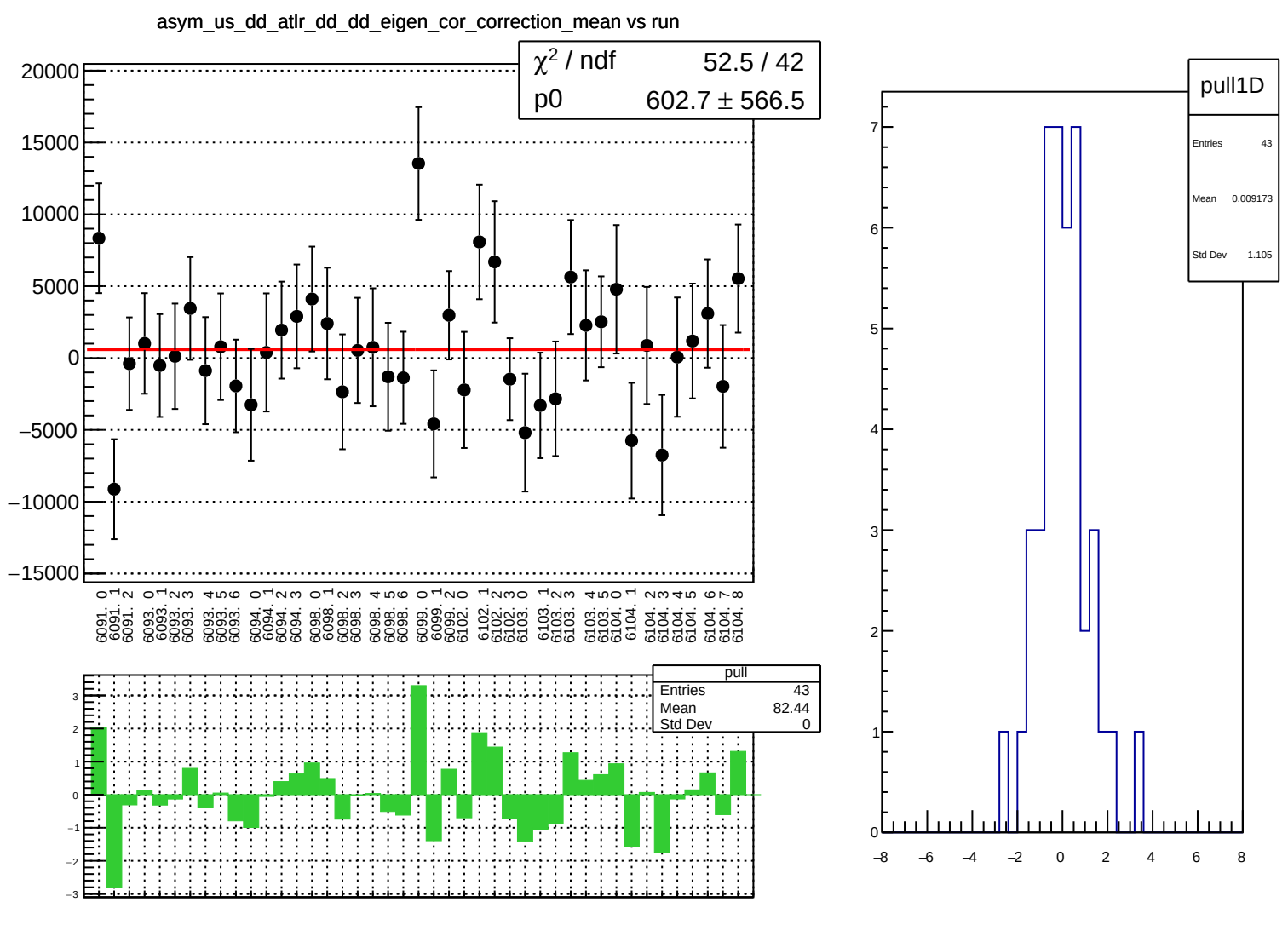

cor_asym_us_dd_atlr_dd_dd_rms vs run
χ² / ndf 206.6 / 42
p0 1042 ± 1.145
1100
1080
1060
1040
1020
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

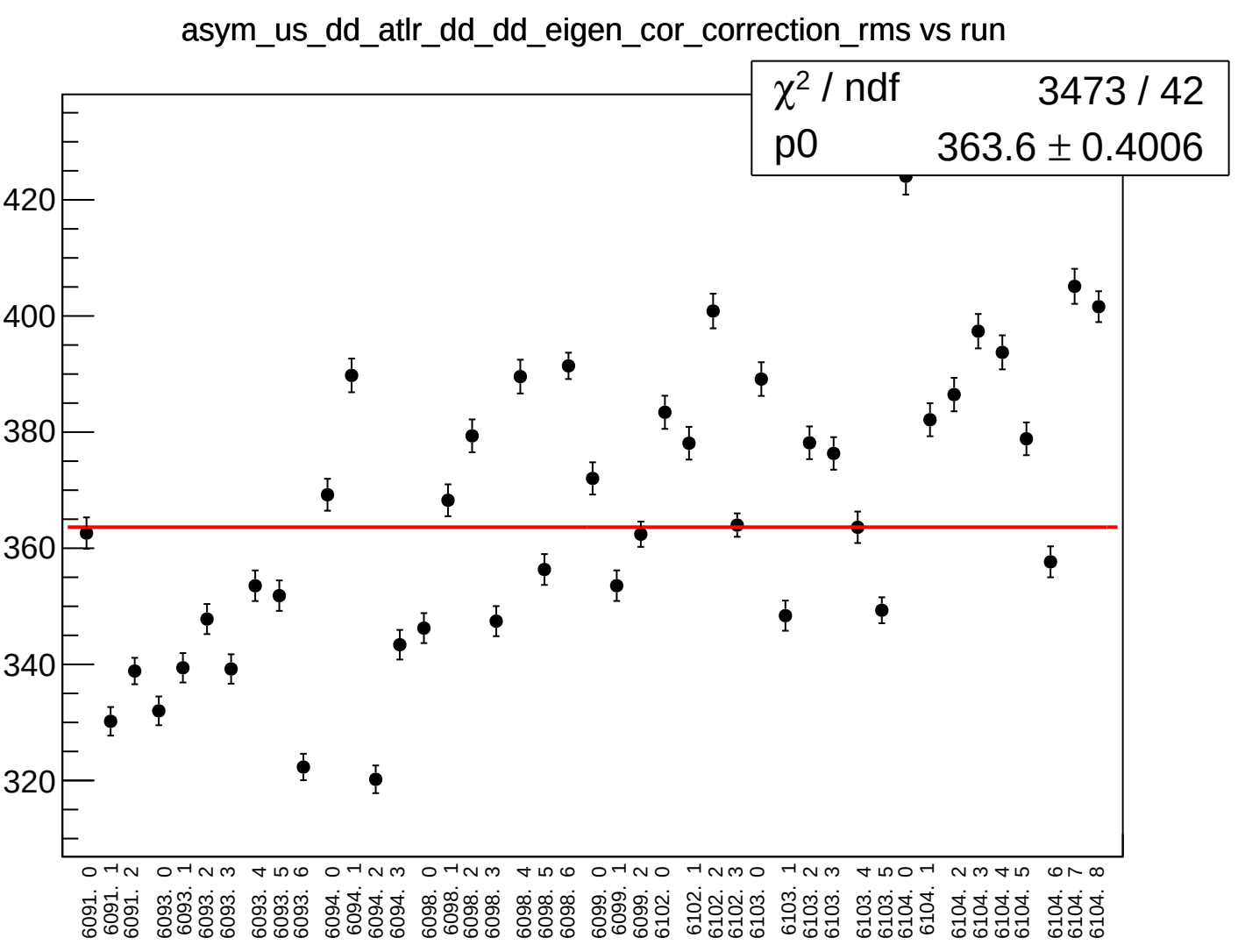

asym_us_dd_atlr_dd_dd_cor_correction_mean vs run
χ² / ndf 52.5 / 42
p0 602.7 ± 566.5
pull
Entries 43
Mean 82.44
Std Dev 0
pull1D
Entries 43
Mean 0.009173
Std Dev 1.105

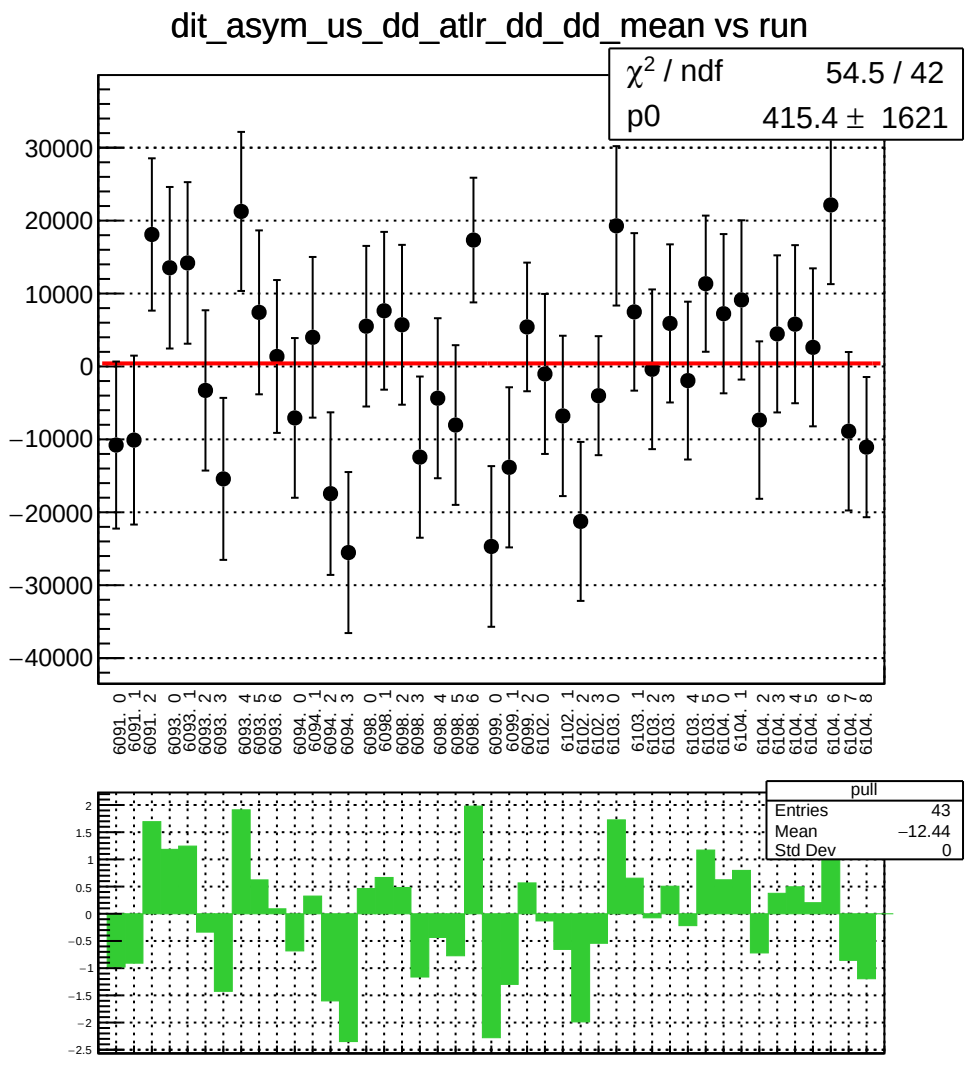

asym_us_dd_atlr_dd_dd_cor_correction_rms vs run
χ² / ndf 3473 / 42
p0 363.6 ± 0.4006
420
400
380
360
340
320
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

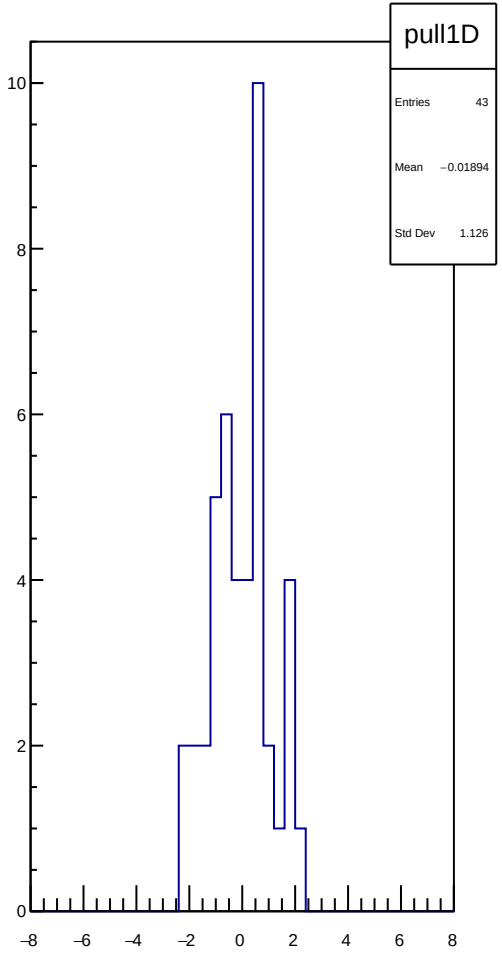

eigen_cor_asym_us_dd_atlr_dd_dd_mean vs run
χ² / ndf 54.37 / 42
p0 360.6 ± 1620
30000
20000
10000
0
−10000
−20000
−30000
−40000
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean −15.14
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5
pull1D
Entries 43
Mean −0.01947
Std Dev 1.124
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

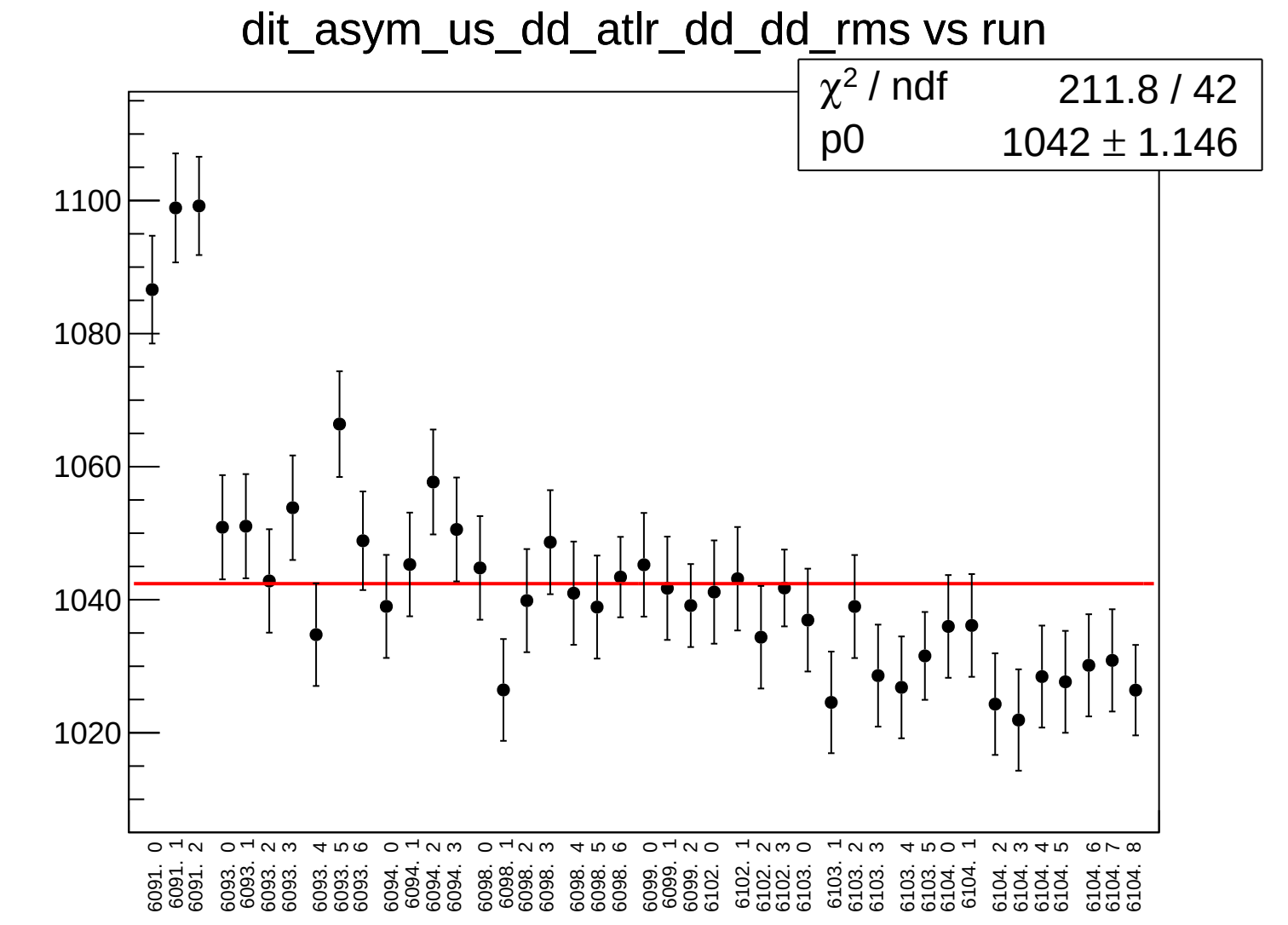

eigen_cor_asym_us_dd_atlr_dd_dd_rms vs run
χ² / ndf 206.6 / 42
p0 1042 ± 1.145
1100
1080
1060
1040
1020
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

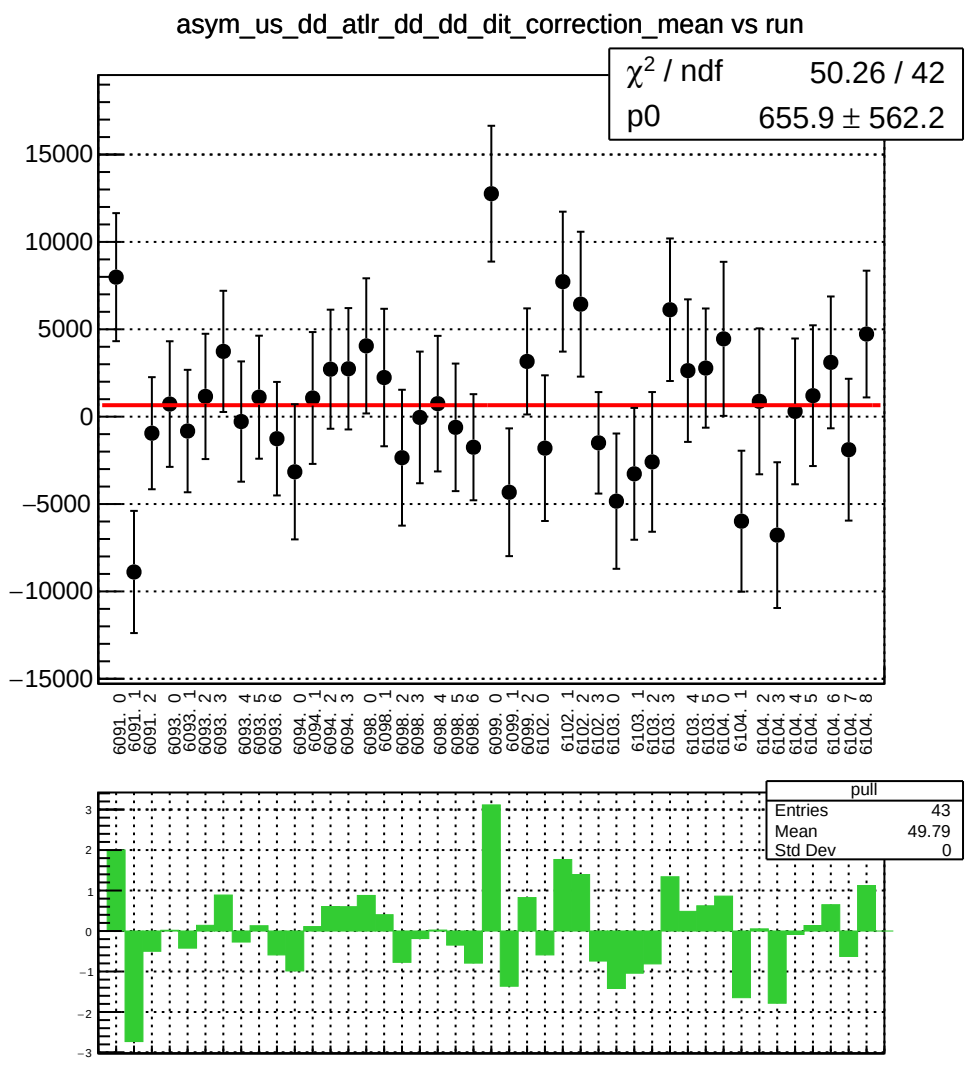

asym_us_dd_atlr_dd_dd_eigen_cor_correction_mean vs run
χ² / ndf 52.5 / 42
p0 602.7 ± 566.5
pull
Entries 43
Mean 82.44
Std Dev 0
pull1D
Entries 43
Mean 0.009173
Std Dev 1.105

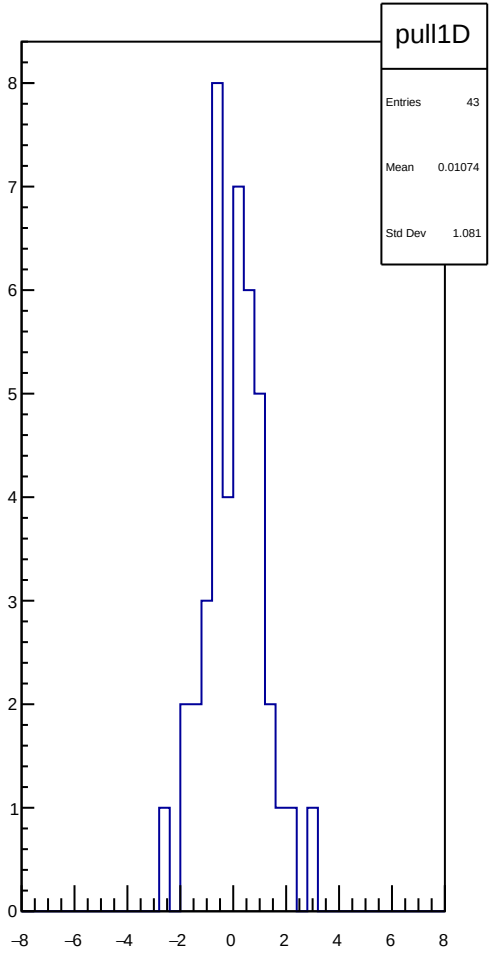

asym_us_dd_atlr_dd_dd_eigen_cor_correction_rms vs run
χ² / ndf 3473 / 42
p0 363.6 ± 0.4006
420
400
380
360
340
320
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

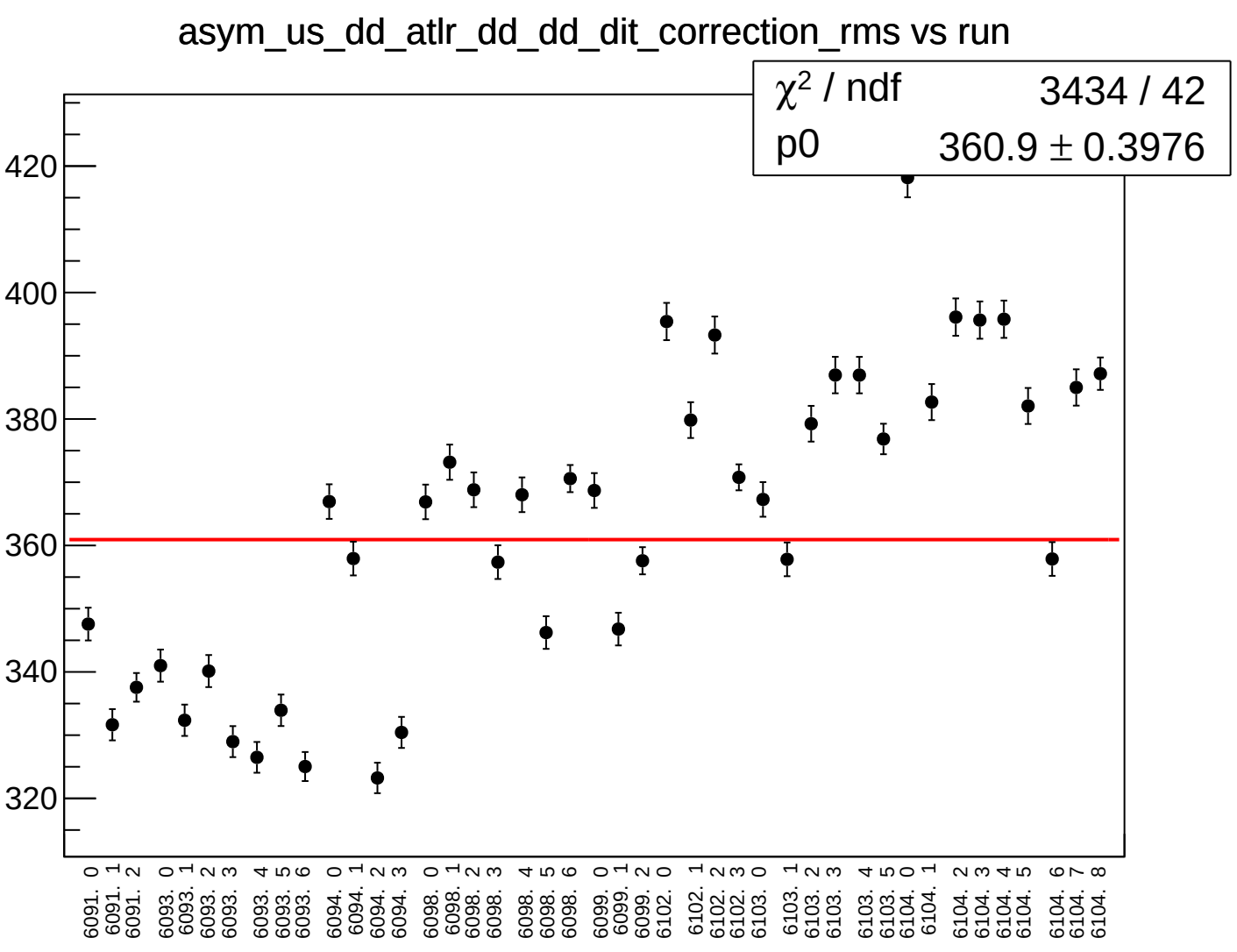

dit_asym_us_dd_atlr_dd_dd_mean vs run
χ² / ndf 54.5 / 42
p0 415.4 ± 1621
30000
20000
10000
0
−10000
−20000
−30000
−40000
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean −12.44
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

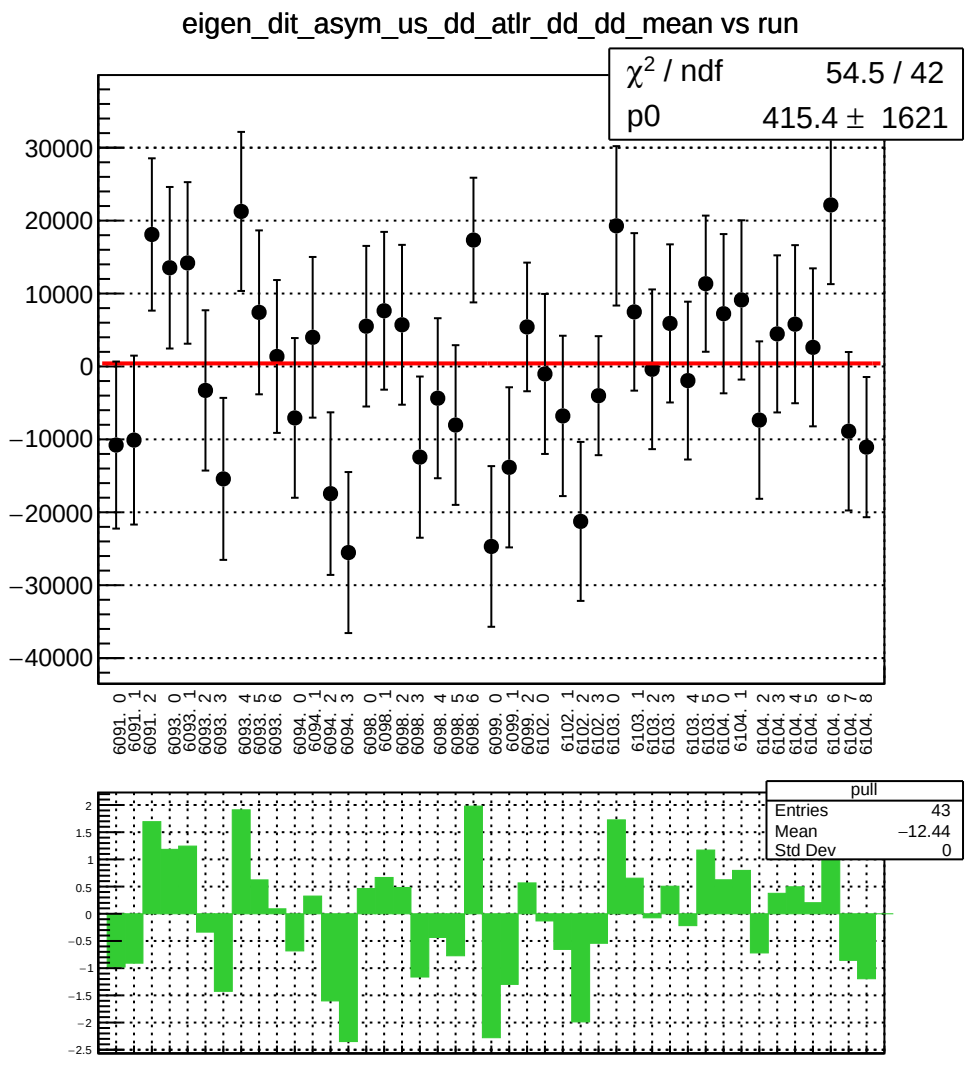

pull1D
Entries 43
Mean −0.01894
Std Dev 1.126
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

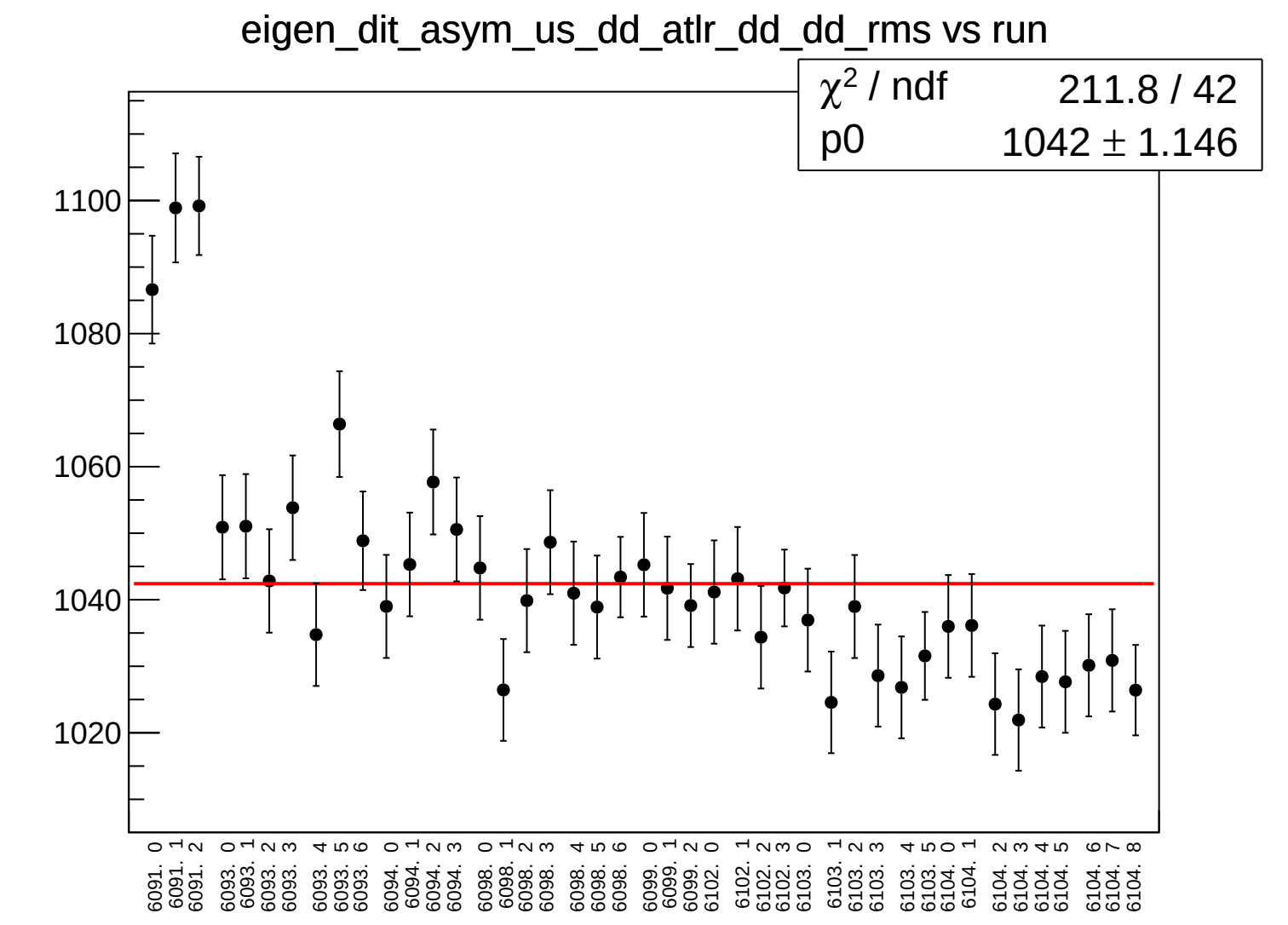

dit_asym_us_dd_atlr_dd_dd_rms vs run
χ² / ndf 211.8 / 42
p0 1042 ± 1.146
1100
1080
1060
1040
1020
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

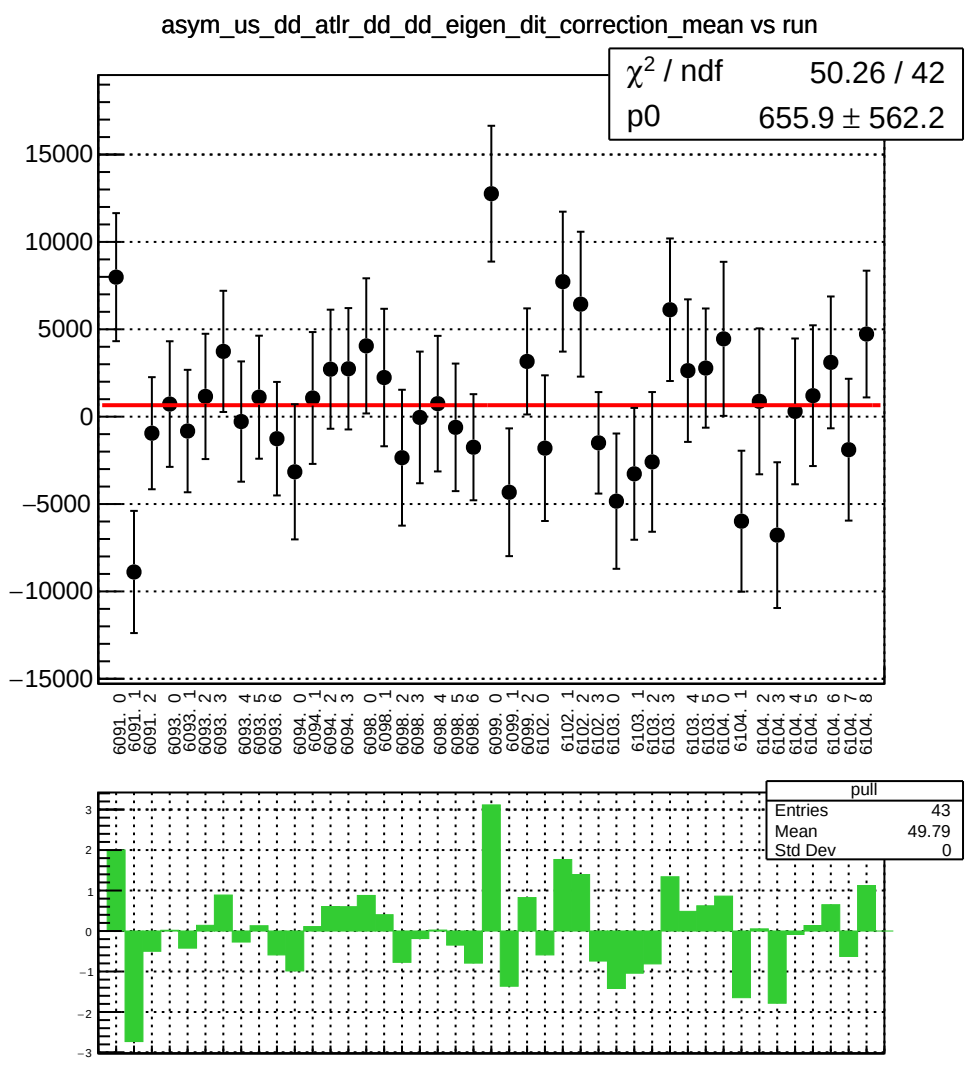

asym_us_dd_atlr_dd_dd_dit_correction_mean vs run
χ² / ndf 50.26 / 42
p0 655.9 ± 562.2
15000
10000
5000
0
−5000
−10000
−15000
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 49.79
Std Dev 0
3
2
1
0
−1
−2
−3

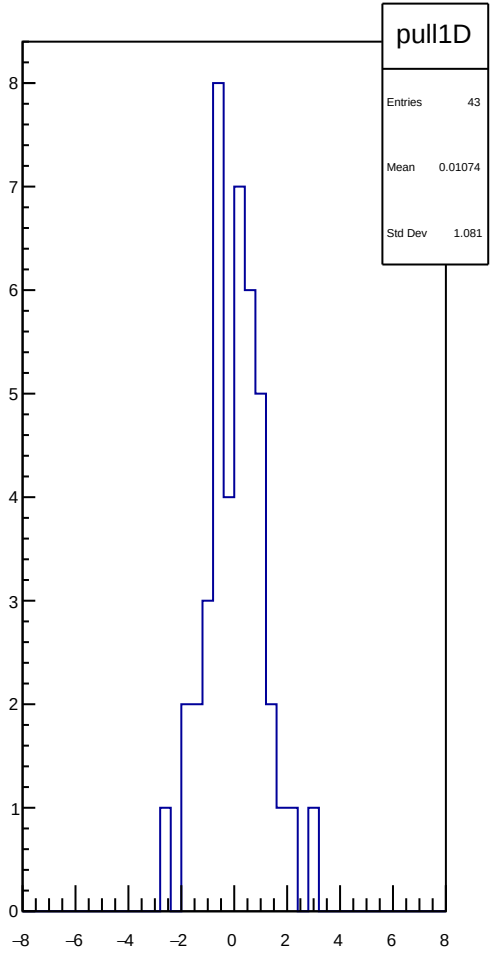

pull1D
Entries 43
Mean 0.01074
Std Dev 1.081
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

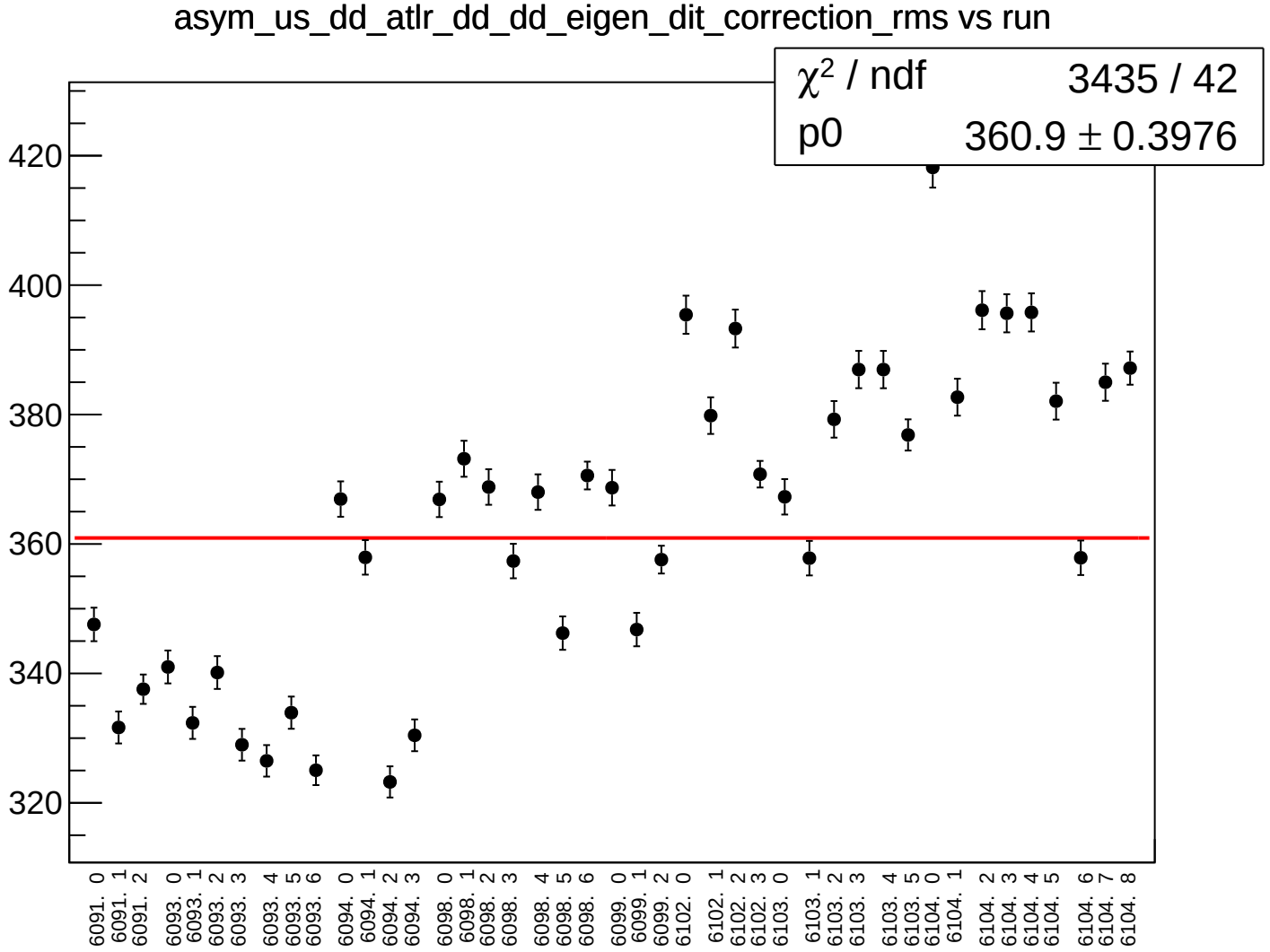

asym_us_dd_atlr_dd_dd_dit_correction_rms vs run
χ² / ndf 3434 / 42
p0 360.9 ± 0.3976
420
400
380
360
340
320
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

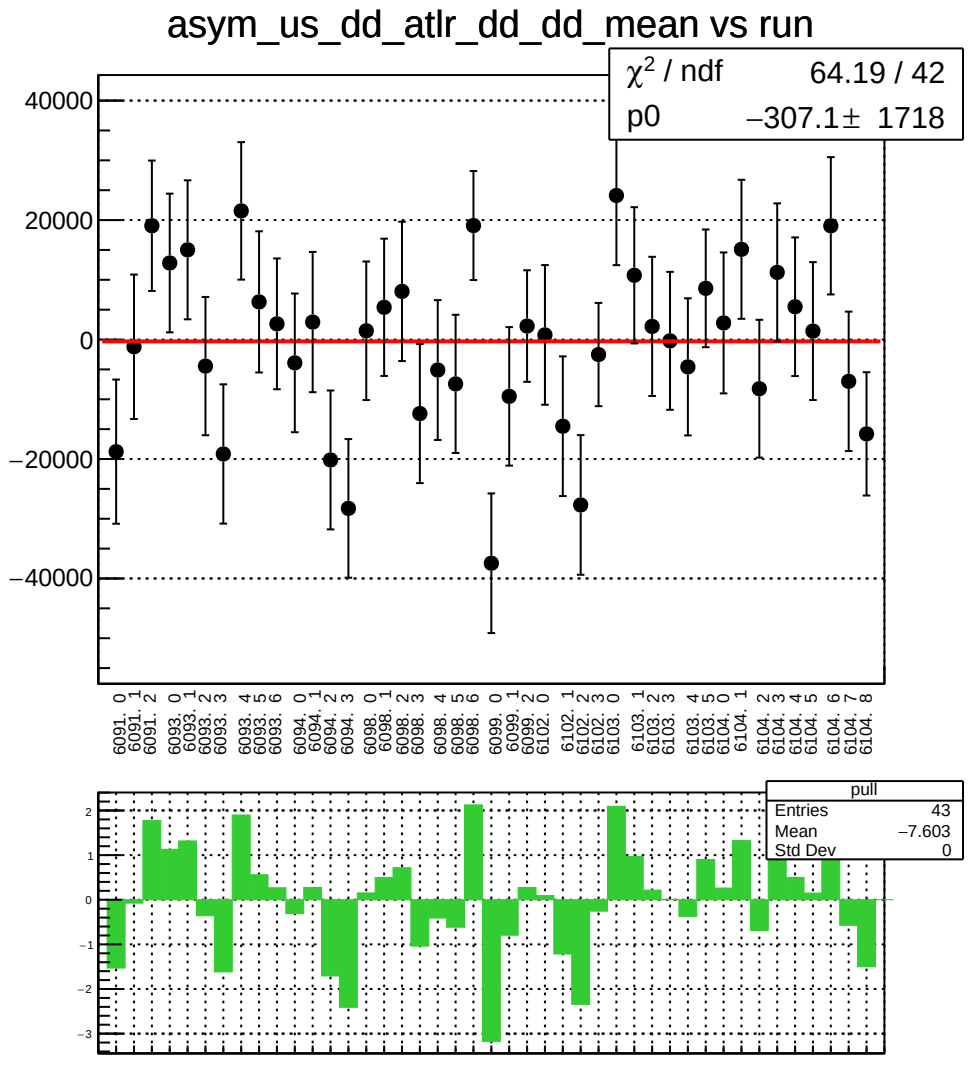

eigen_dit_asym_us_dd_atlr_dd_dd_mean vs run
χ² / ndf 54.5 / 42
p0 415.4 ± 1621
30000
20000
10000
0
−10000
−20000
−30000
−40000
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean −12.44
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5
pull1D
Entries 43
Mean −0.01894
Std Dev 1.126
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

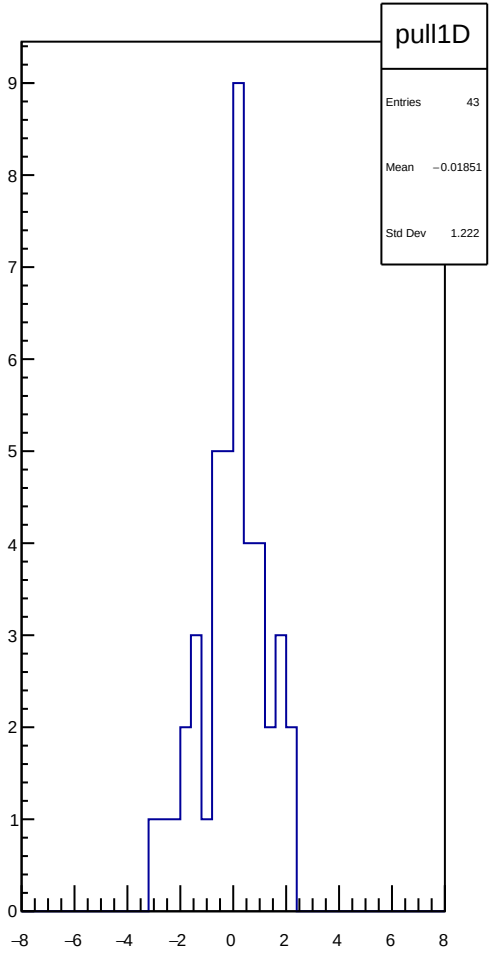

eigen_dit_asym_us_dd_atlr_dd_dd_rms vs run
χ² / ndf 211.8 / 42
p0 1042 ± 1.146
1100
1080
1060
1040
1020
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

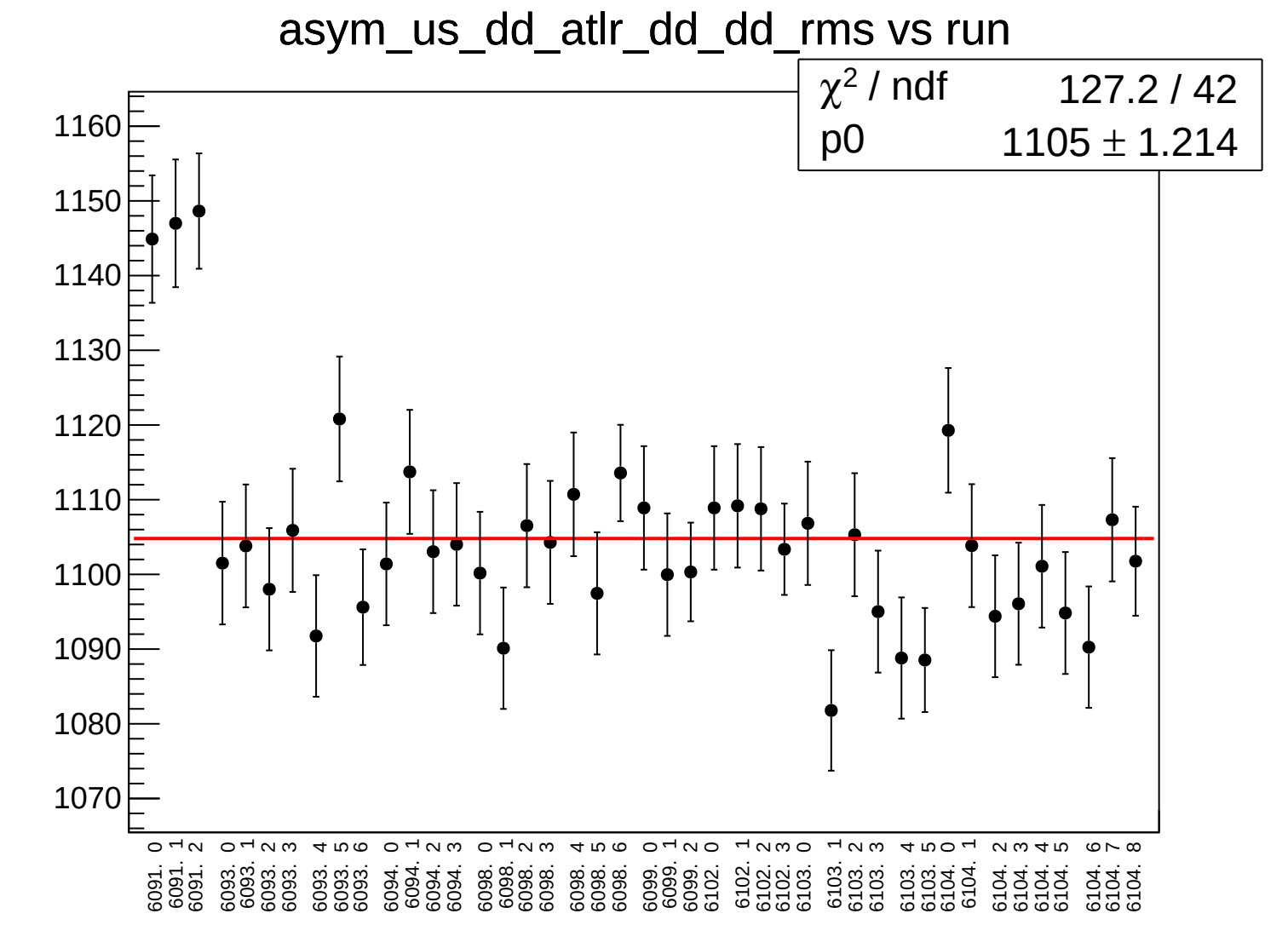

asym_us_dd_atlr_dd_dd_eigen_dit_correction_mean vs run
χ² / ndf 50.26 / 42
p0 655.9 ± 562.2
15000
10000
5000
0
−5000
−10000
−15000
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 49.79
Std Dev 0
3
2
1
0
−1
−2
−3

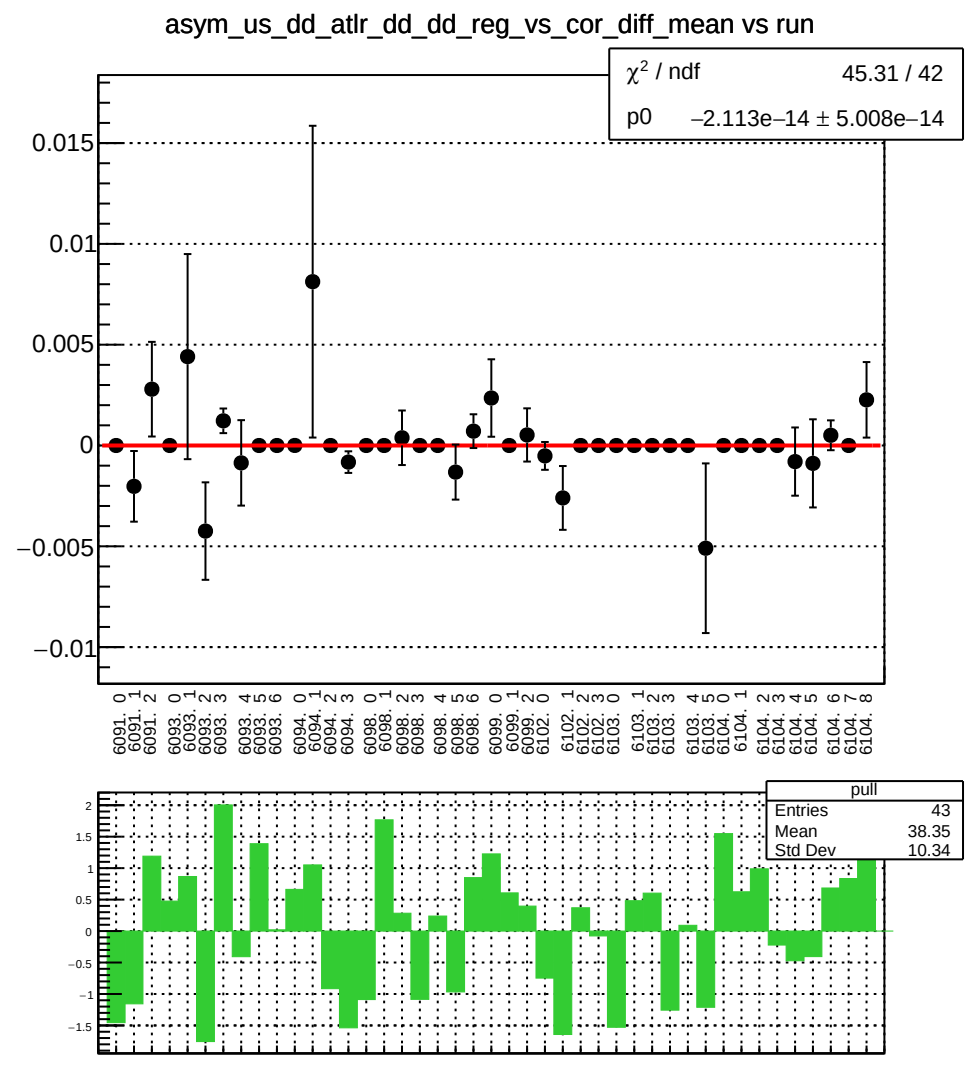

pull1D
Entries 43
Mean 0.01074
Std Dev 1.081
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

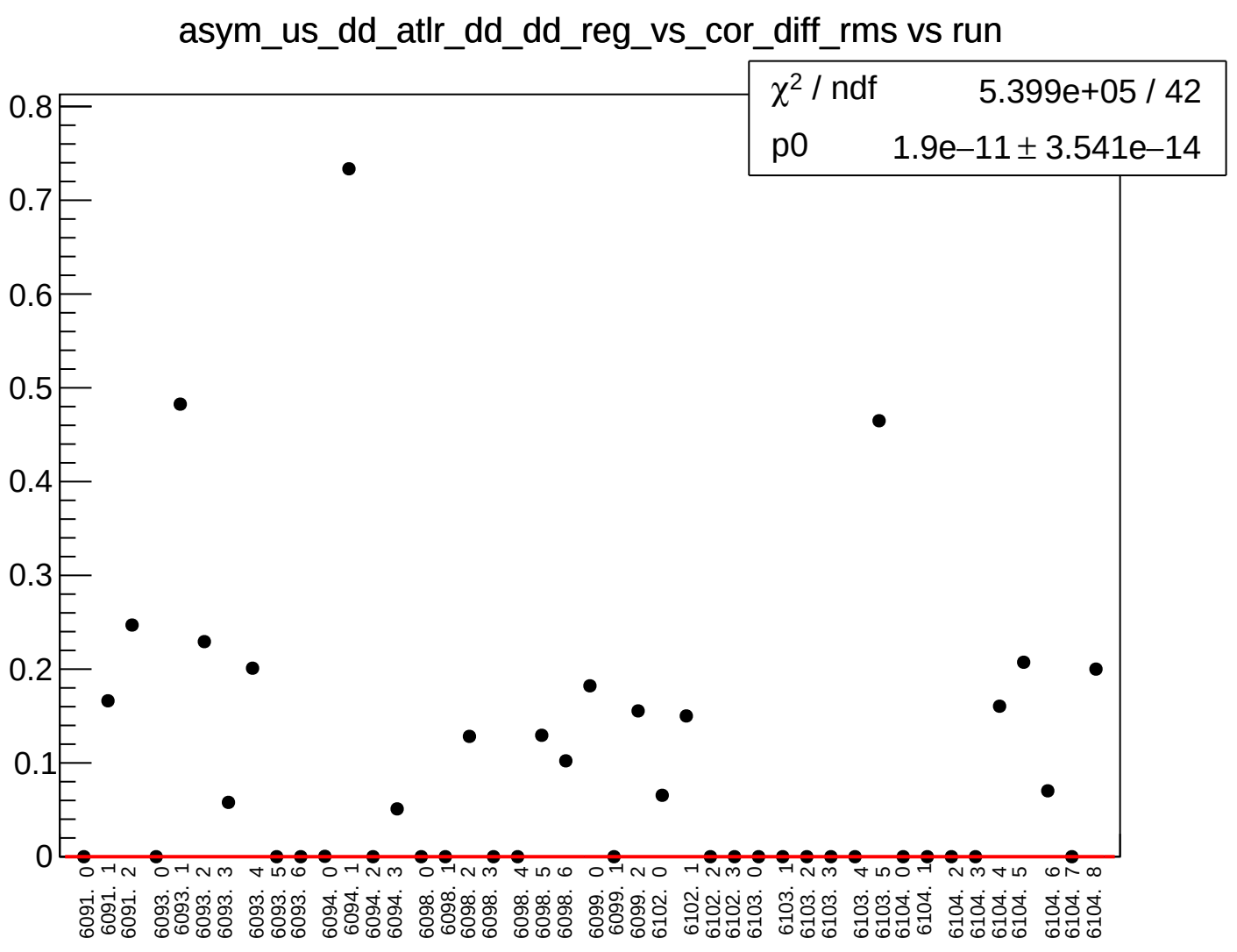

asym_us_dd_atlr_dd_dd_eigen_dit_correction_rms vs run
χ² / ndf 3435 / 42
p0 360.9 ± 0.3976
420
400
380
360
340
320
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

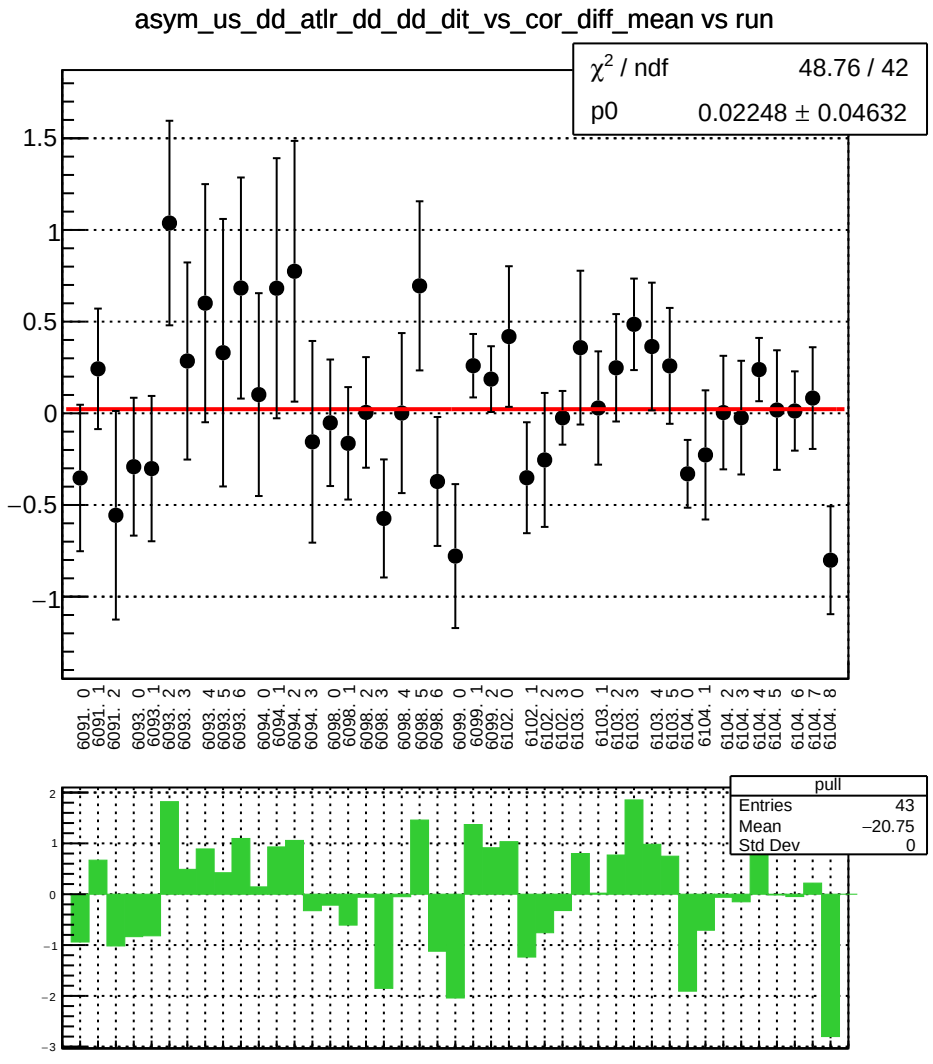

asym_us_dd_atlr_dd_dd_mean vs run
χ² / ndf 64.19 / 42
p0 −307.1± 1718
40000
20000
0
−20000
−40000
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean −7.603
Std Dev 0
2
1
0
−1
−2
−3

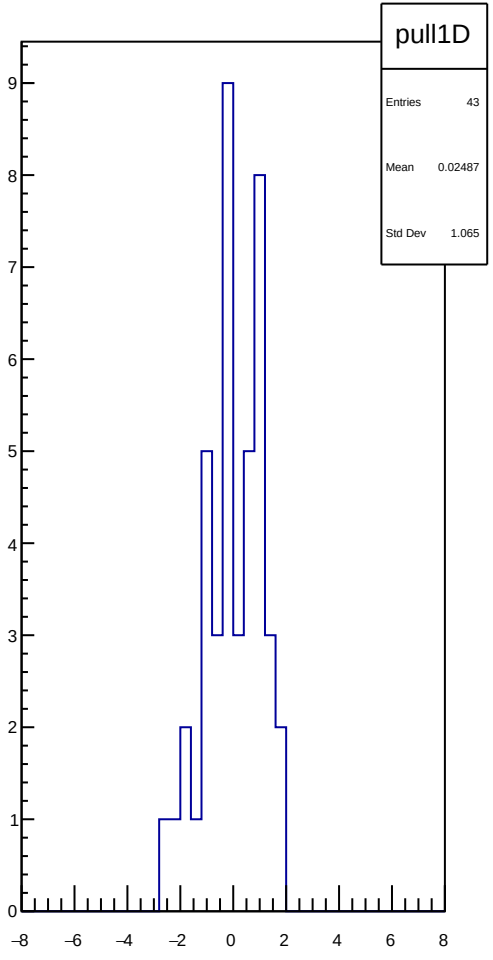

pull1D
Entries 43
Mean −0.01851
Std Dev 1.222
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

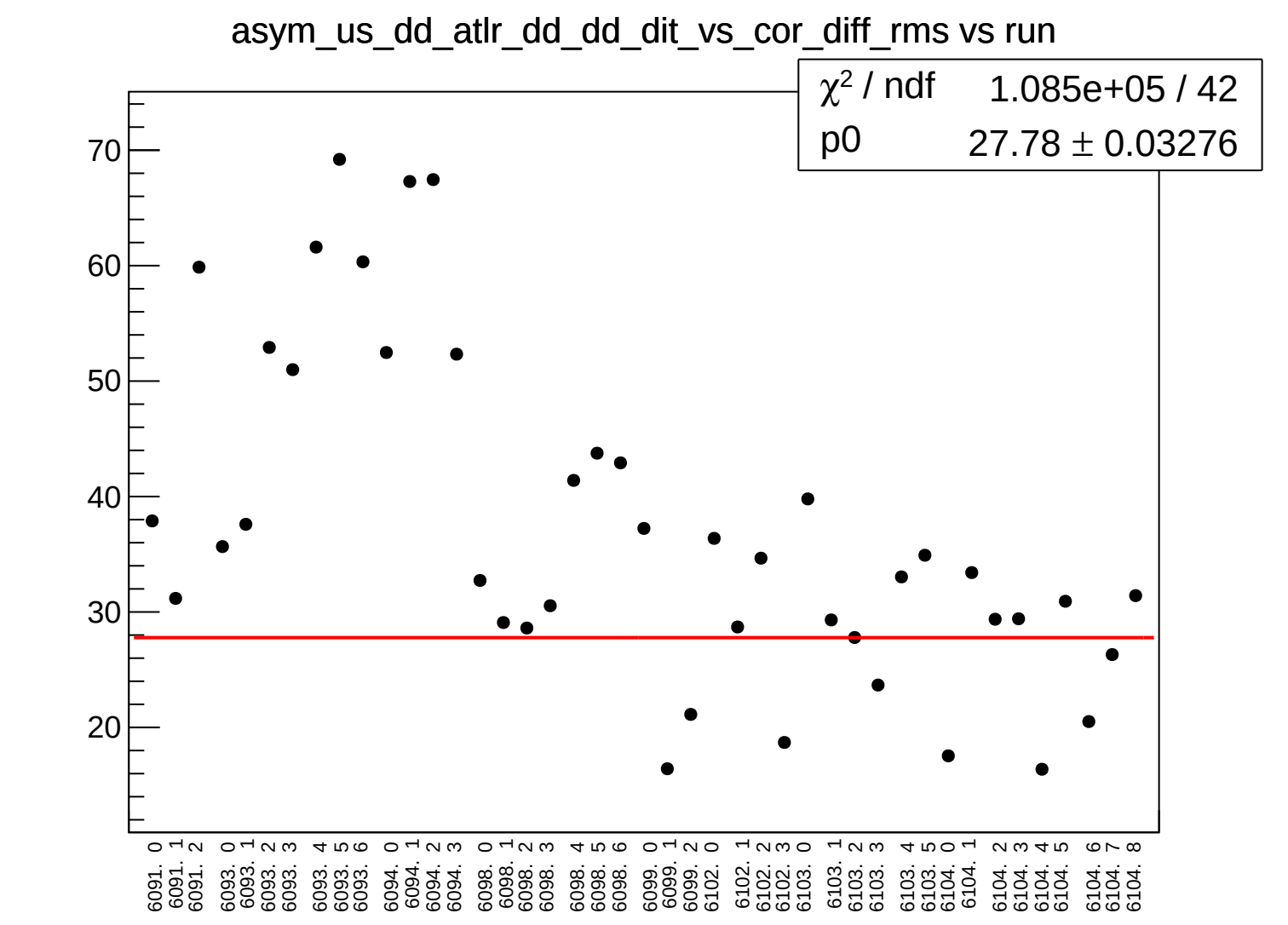

asym_us_dd_atlr_dd_dd_rms vs run
χ² / ndf 127.2 / 42
p0 1105 ± 1.214
1160
1150
1140
1130
1120
1110
1100
1090
1080
1070
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

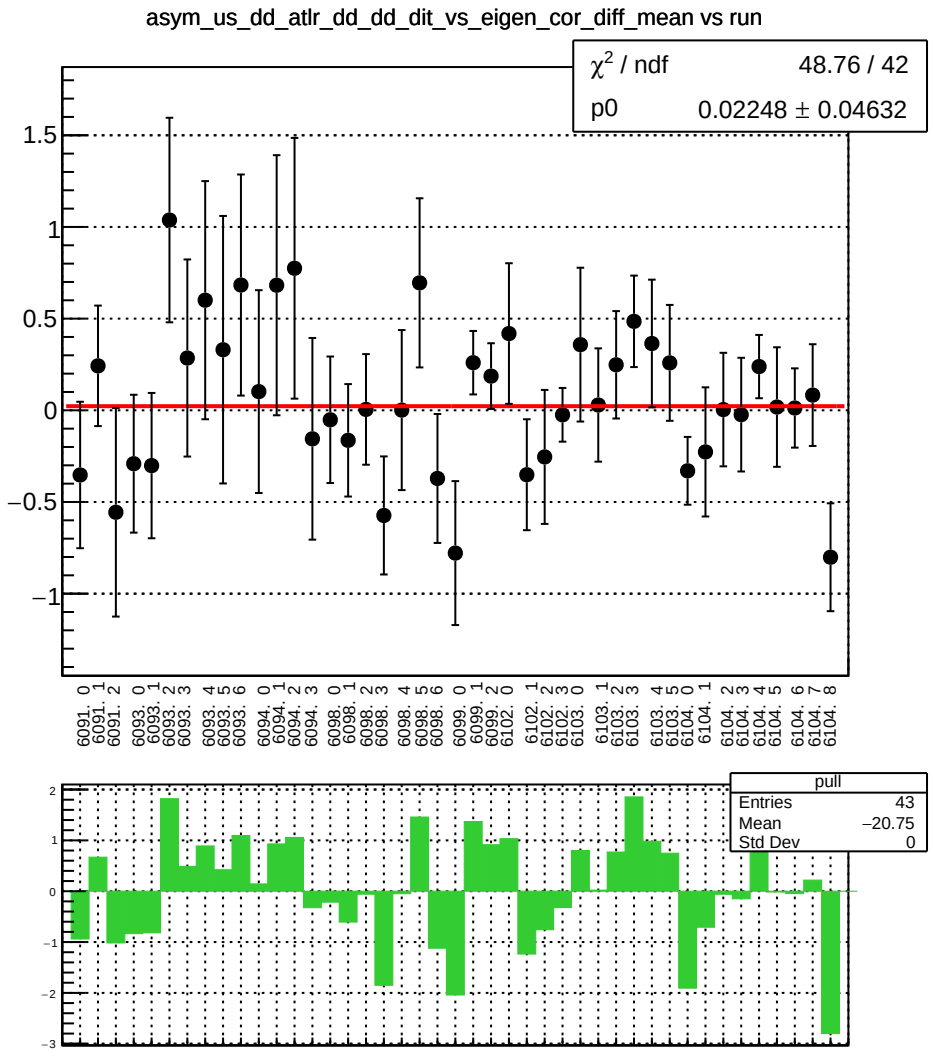

asym_us_dd_atlr_dd_dd_reg_vs_cor_diff_mean vs run
χ² / ndf 45.31 / 42
p0 −2.113e−14 ± 5.008e−14
0.015
0.01
0.005
0
−0.005
−0.01
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 38.35
Std Dev 10.34
2
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 43
Mean 0.05883
Std Dev 1.025
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

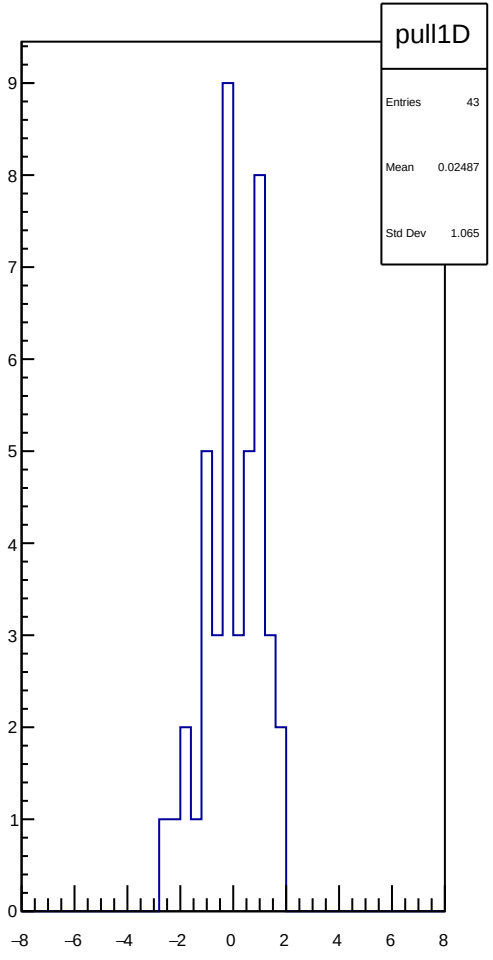

asym_us_dd_atlr_dd_dd_reg_vs_cor_diff_rms vs run
χ² / ndf 5.399e+05 / 42
p0 1.9e−11 ± 3.541e−14
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

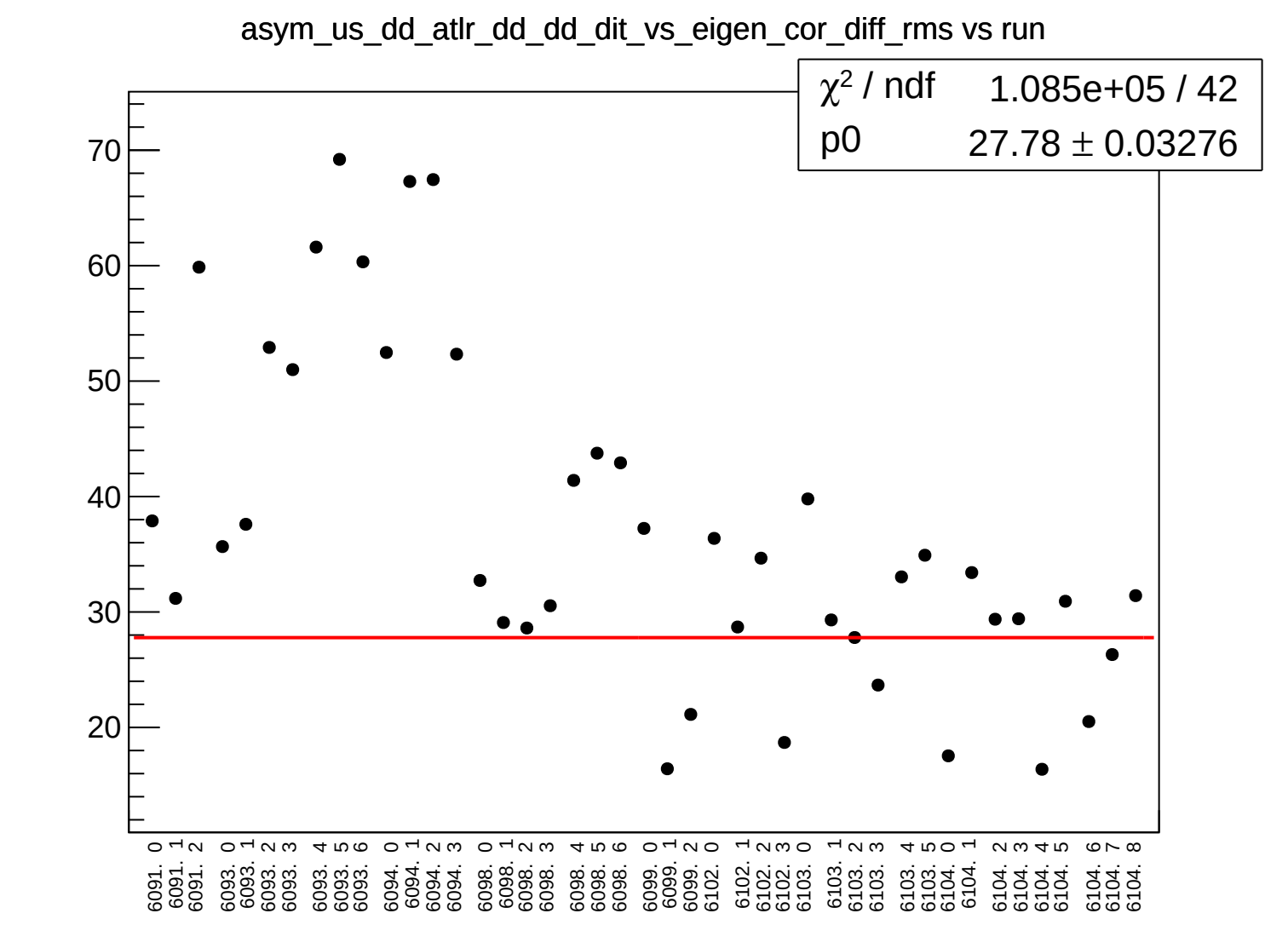

asym_us_dd_atlr_dd_dd_dit_vs_cor_diff_mean vs run
χ² / ndf 48.76 / 42
p0 0.02248 ± 0.04632
1.5
1
0.5
0
−0.5
−1
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean −20.75
Std Dev 0
2
1
0
−1
−2
−3

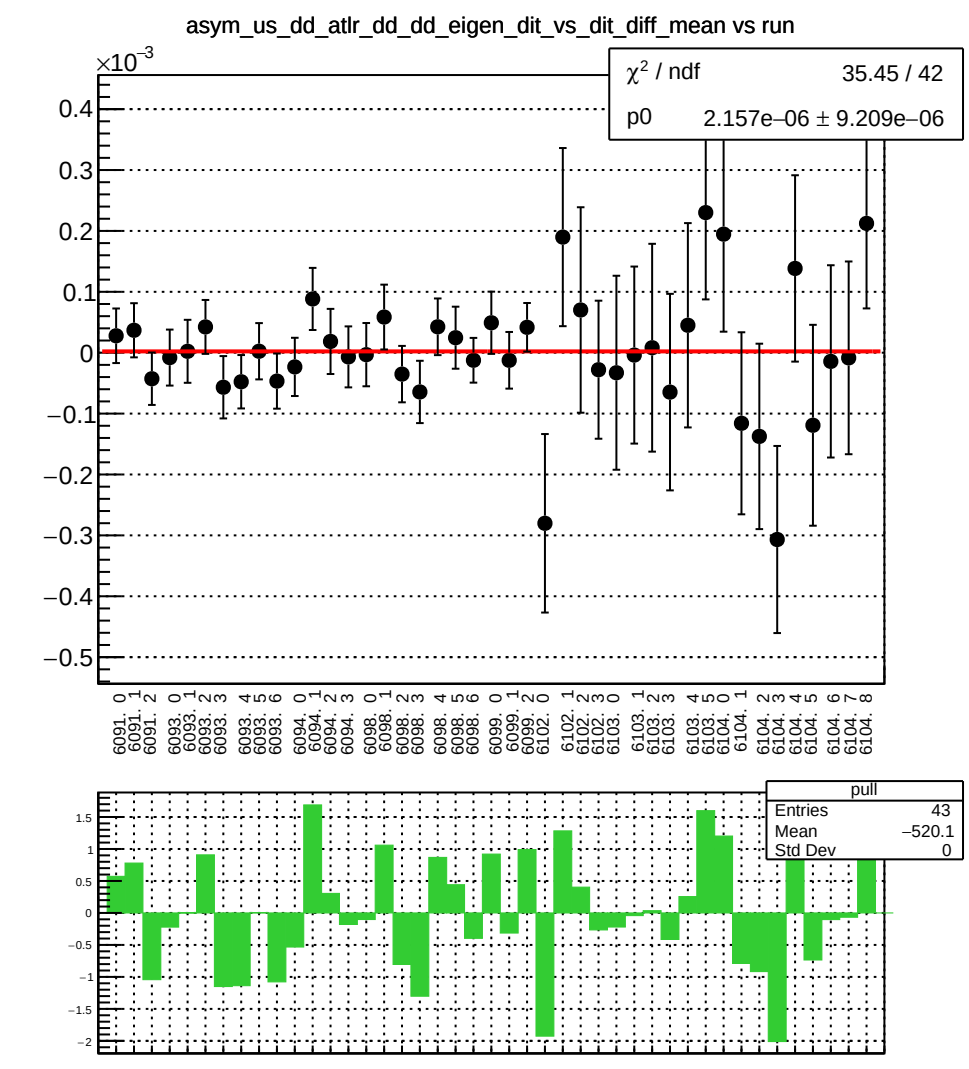

pull1D
Entries 43
Mean 0.02487
Std Dev 1.065
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

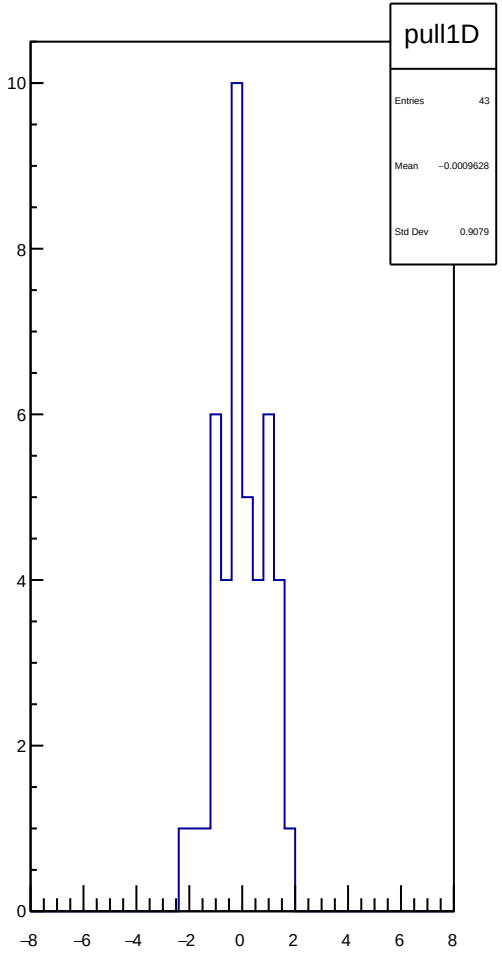

asym_us_dd_atlr_dd_dd_dit_vs_cor_diff_rms vs run
χ² / ndf 1.085e+05 / 42
p0 27.78 ± 0.03276
70
60
50
40
30
20
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

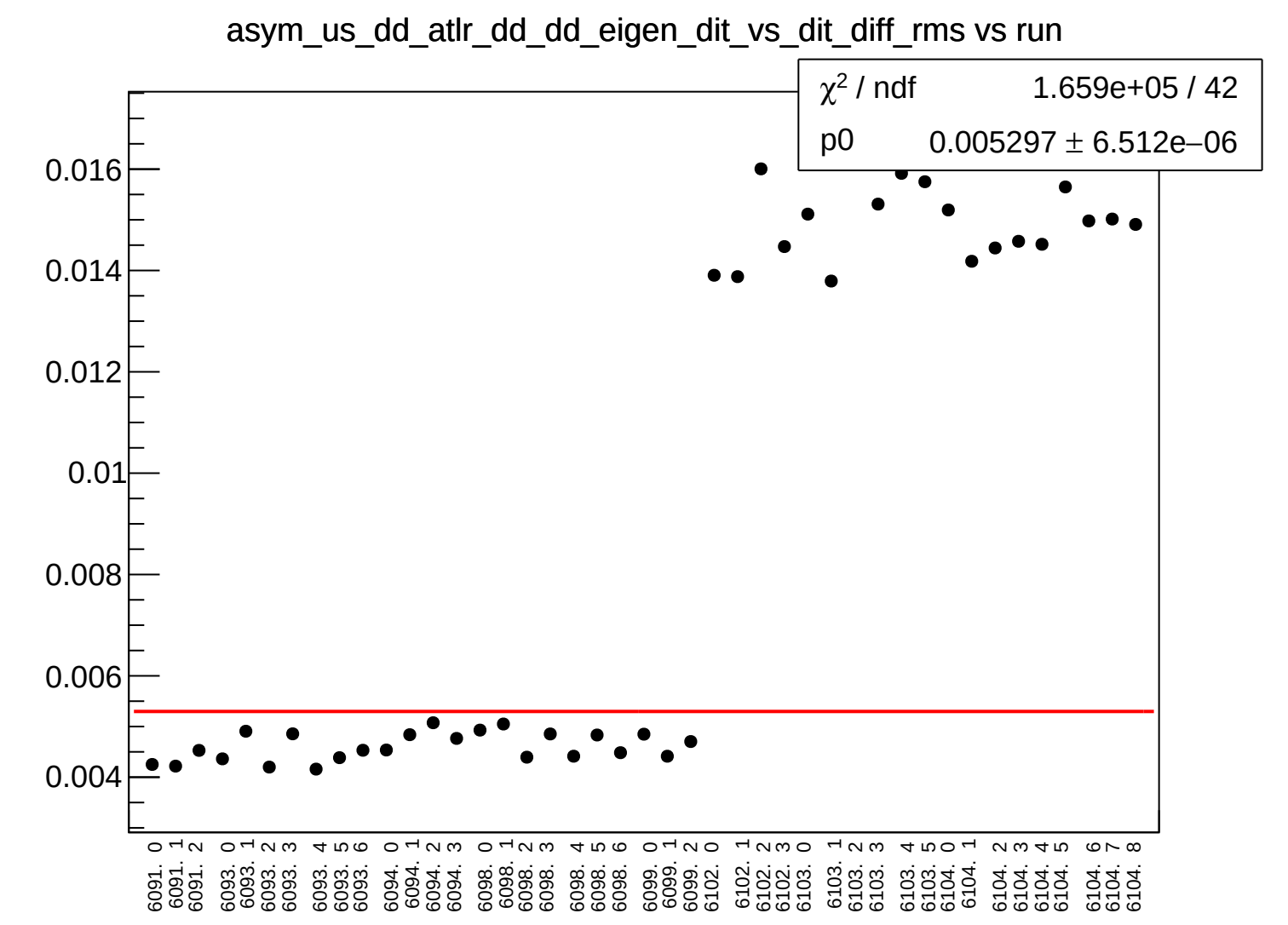

asym_us_dd_atlr_dd_dd_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 48.76 / 42
p0 0.02248 ± 0.04632
1.5
1
0.5
0
−0.5
−1
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean −20.75
Std Dev 0
2
1
0
−1
−2
−3

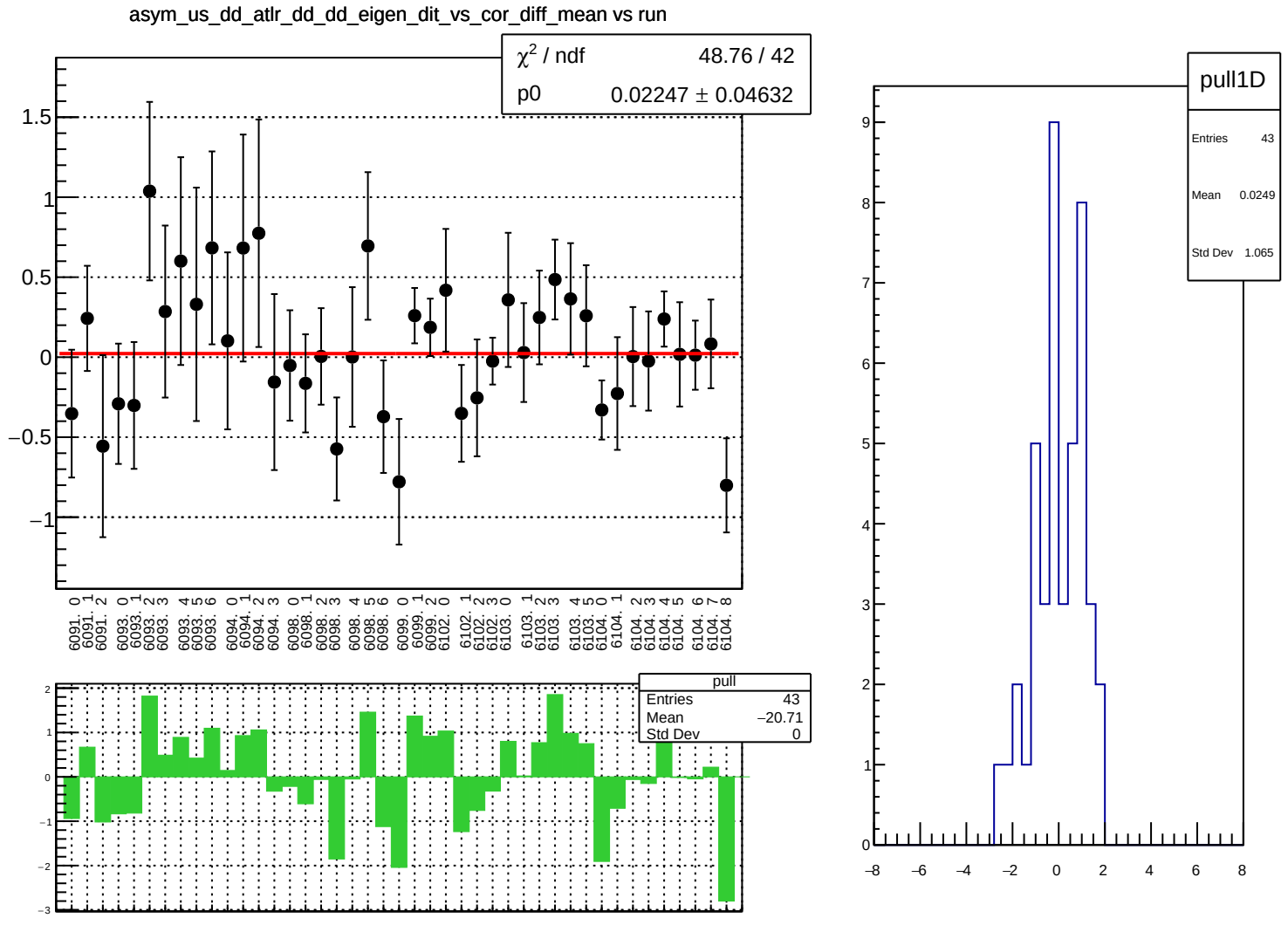

pull1D
Entries 43
Mean 0.02487
Std Dev 1.065
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

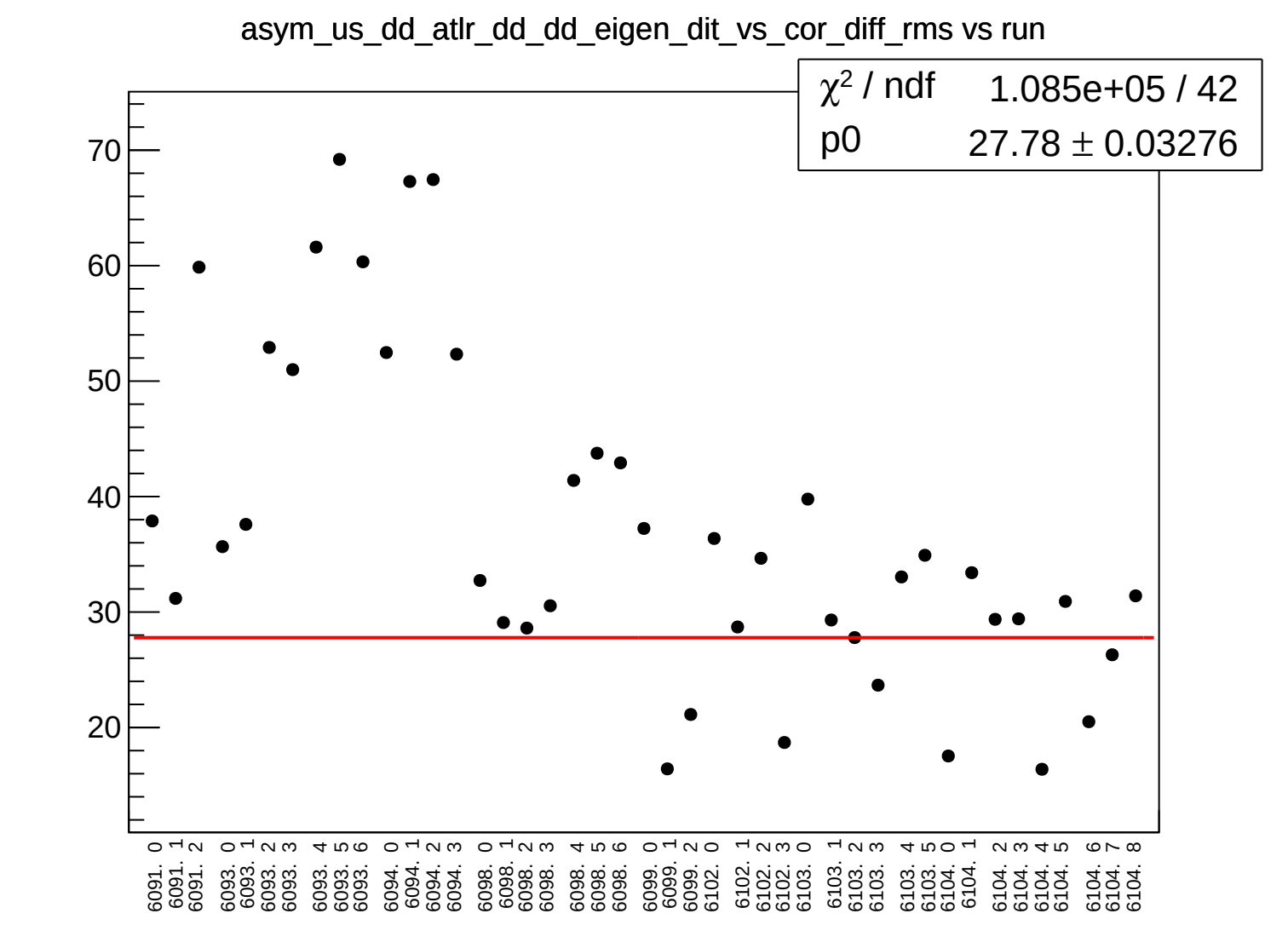

asym_us_dd_atlr_dd_dd_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.085e+05 / 42
p0 27.78 ± 0.03276
70
60
50
40
30
20
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

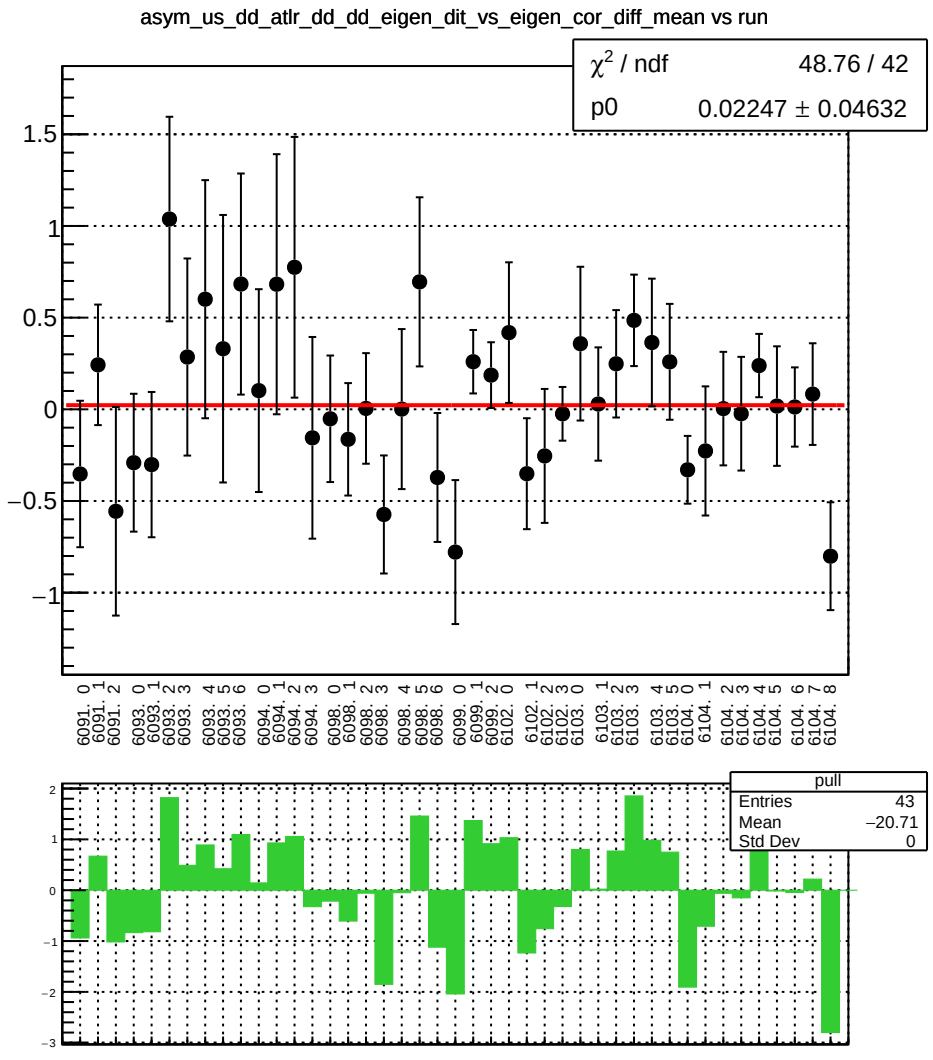

asym_us_dd_atlr_dd_dd_eigen_dit_vs_dit_diff_mean vs run
×10^−3
χ² / ndf 35.45 / 42
p0 2.157e−06 ± 9.209e−06
pull
Entries 43
Mean −520.1
Std Dev 0

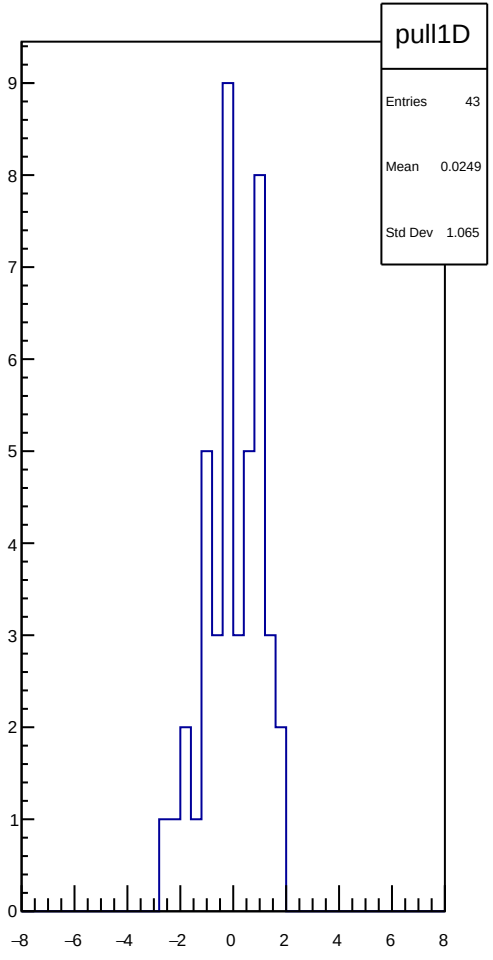

pull1D
Entries 43
Mean −0.0009628
Std Dev 0.9079

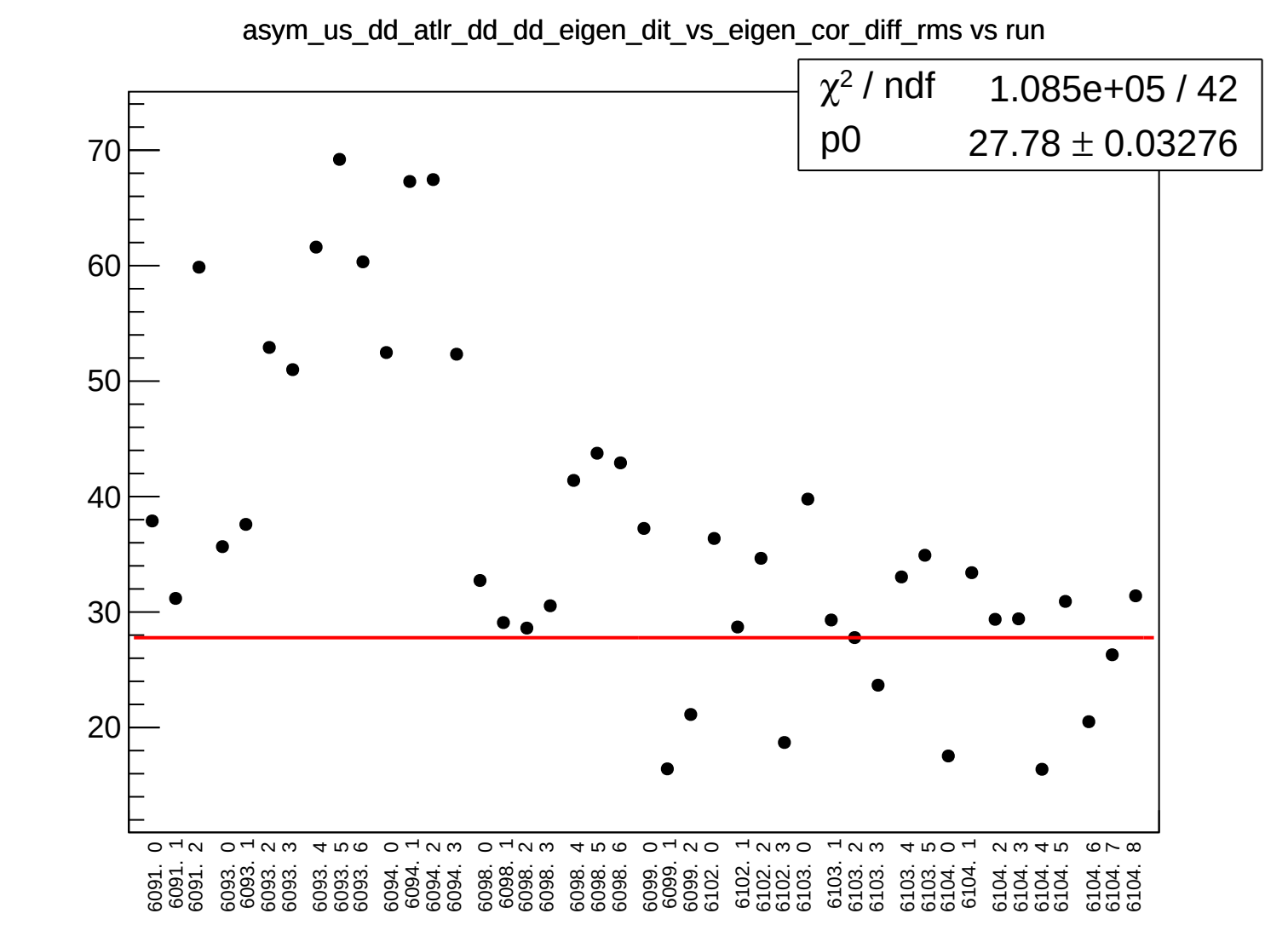

asym_us_dd_atlr_dd_dd_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 1.659e+05 / 42
p0 0.005297 ± 6.512e−06
0.016
0.014
0.012
0.01
0.008
0.006
0.004
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

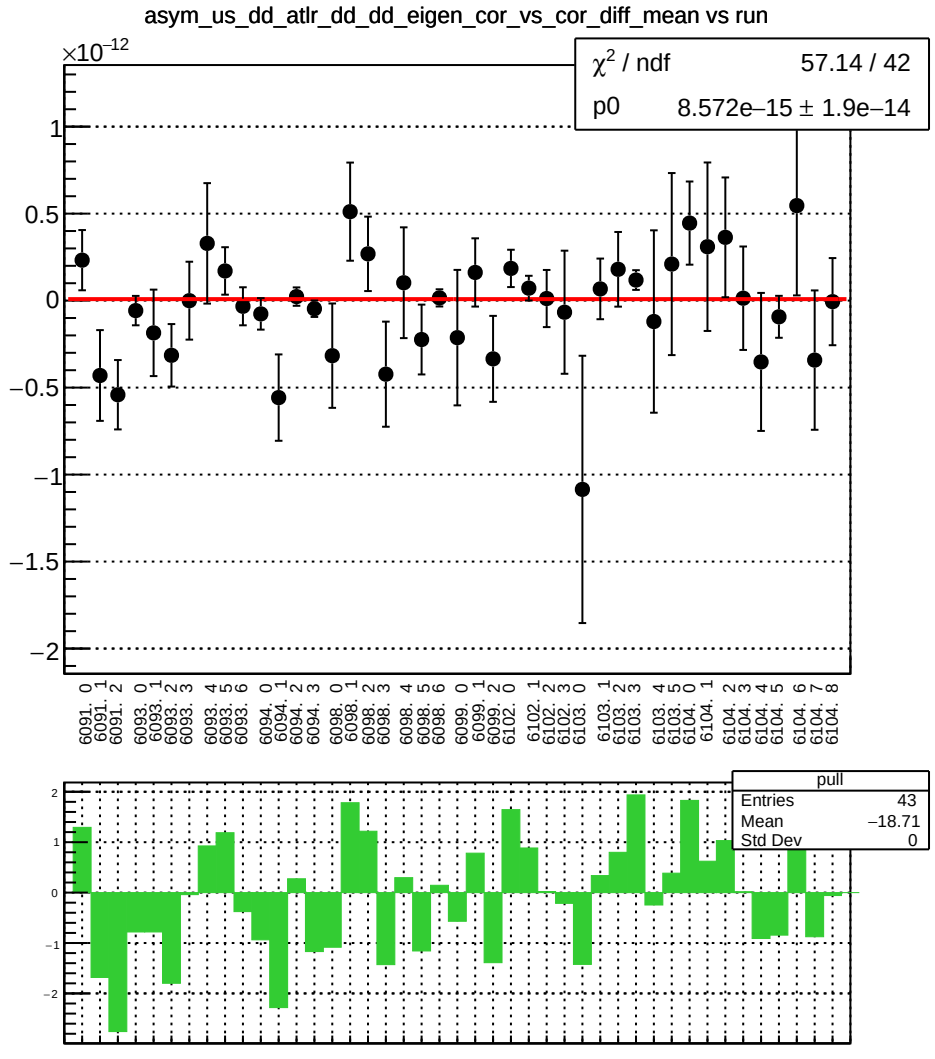

asym_us_dd_atlr_dd_dd_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 48.76 / 42
p0 0.02247 ± 0.04632
1.5
1
0.5
0
−0.5
−1
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean −20.71
Std Dev 0
2
1
0
−1
−2
−3
pull1D
Entries 43
Mean 0.0249
Std Dev 1.065
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

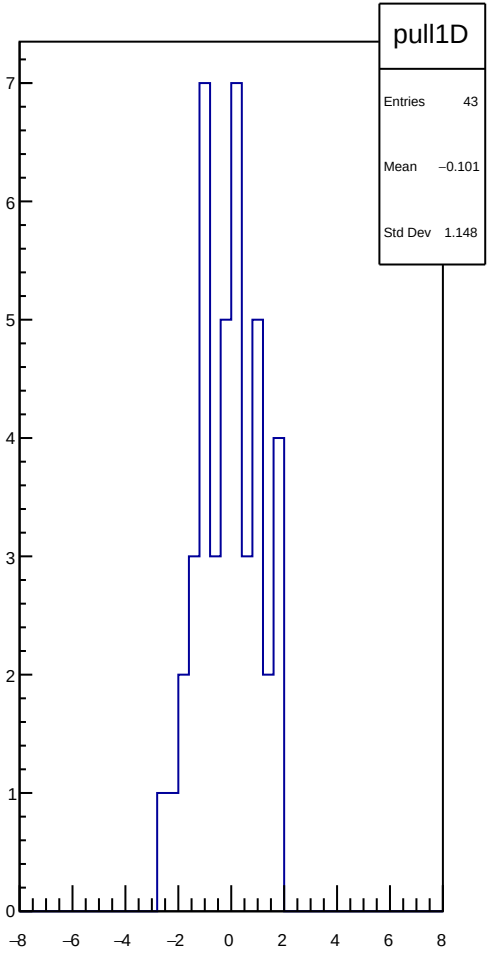

asym_us_dd_atlr_dd_dd_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 1.085e+05 / 42
p0 27.78 ± 0.03276
70
60
50
40
30
20
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

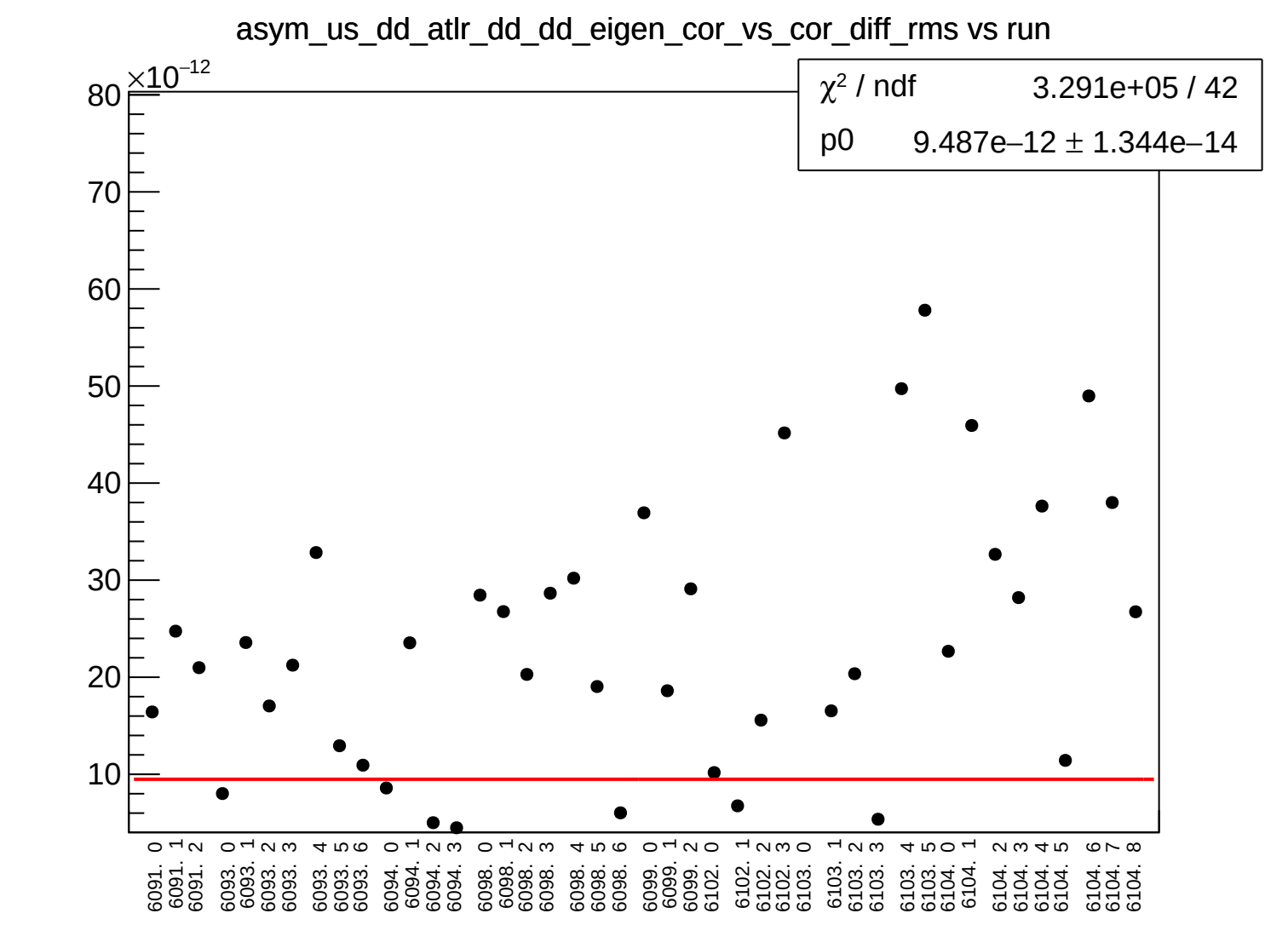

asym_us_dd_atlr_dd_dd_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 48.76 / 42
p0 0.02247 ± 0.04632
pull
Entries 43
Mean −20.71
Std Dev 0

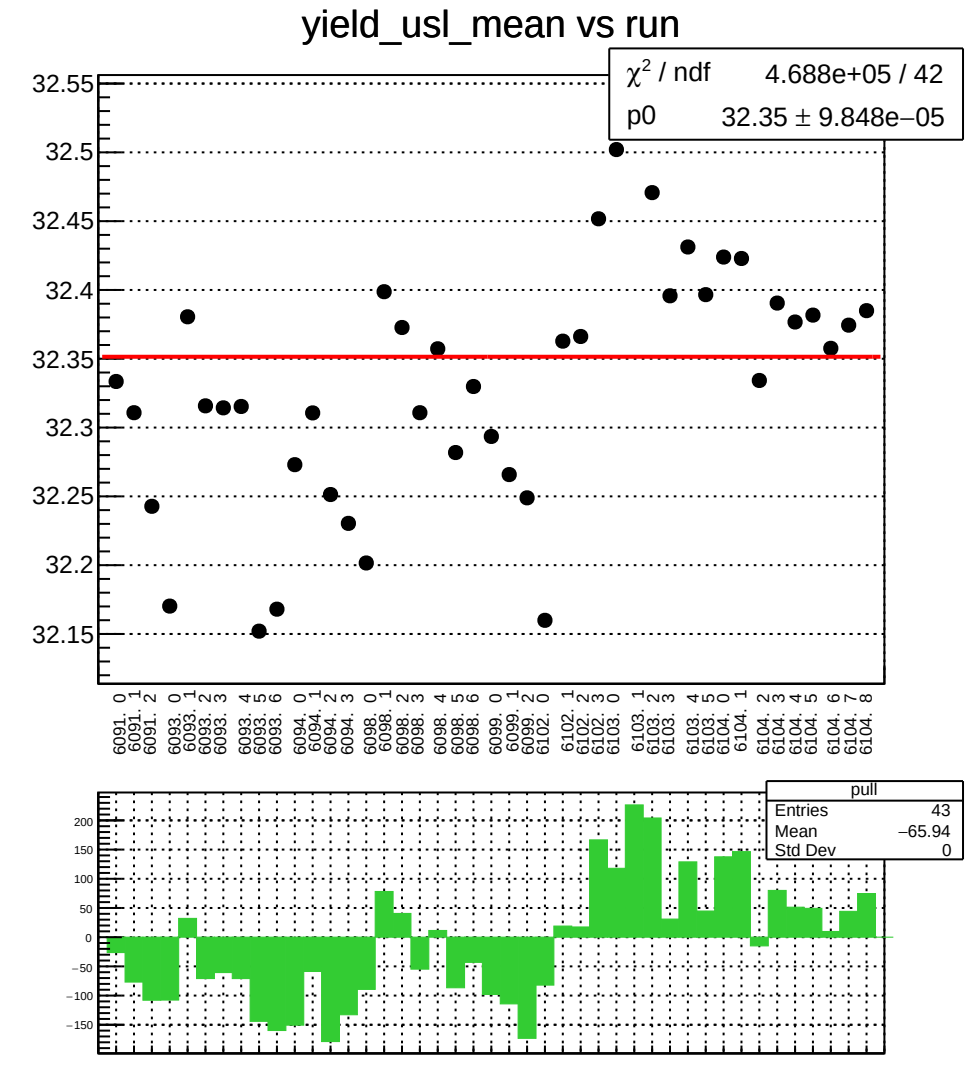

pull1D
Entries 43
Mean 0.0249
Std Dev 1.065

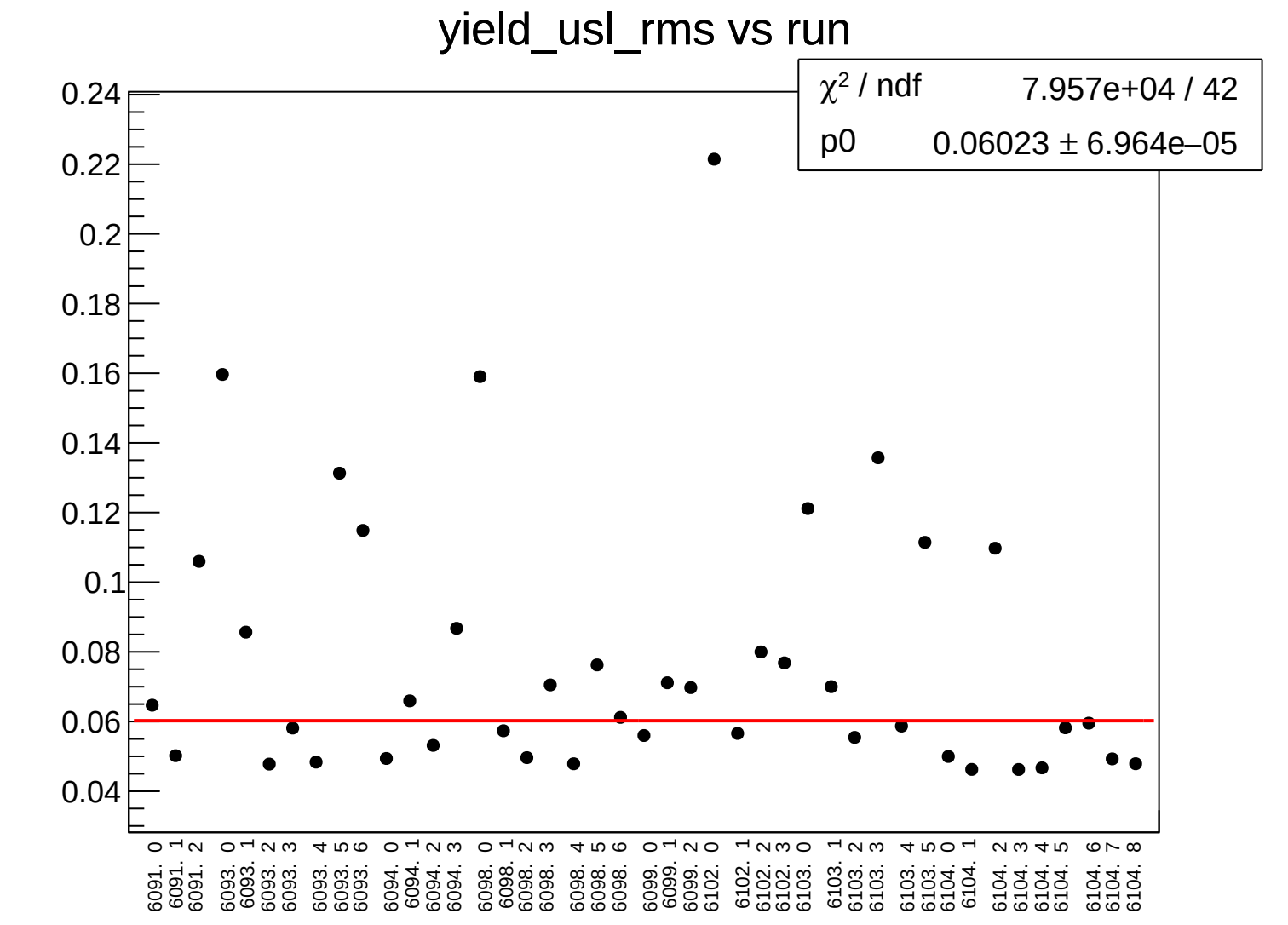

asym_us_dd_atlr_dd_dd_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.085e+05 / 42
p0 27.78 ± 0.03276
70
60
50
40
30
20
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

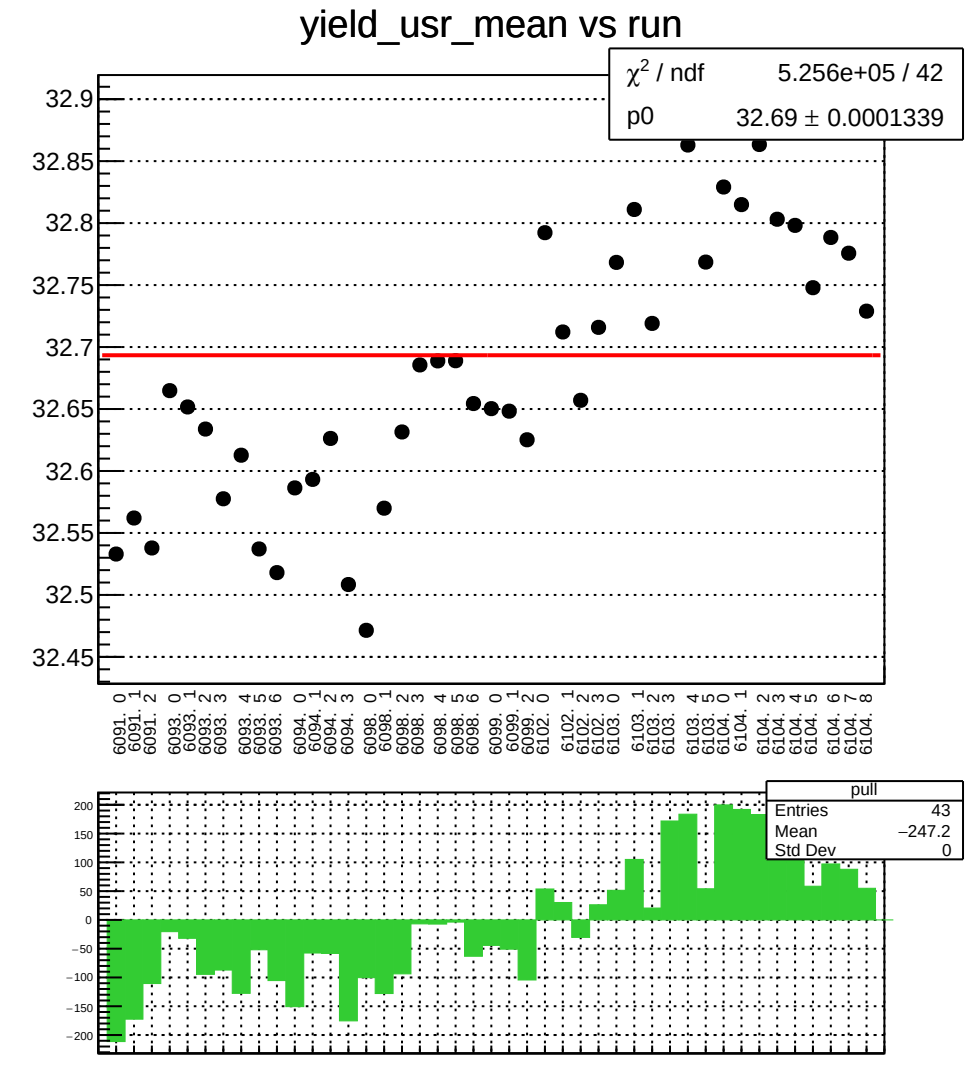

asym_us_dd_atlr_dd_dd_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 57.14 / 42
p0 8.572e−15 ± 1.9e−14
pull
Entries 43
Mean −18.71
Std Dev 0

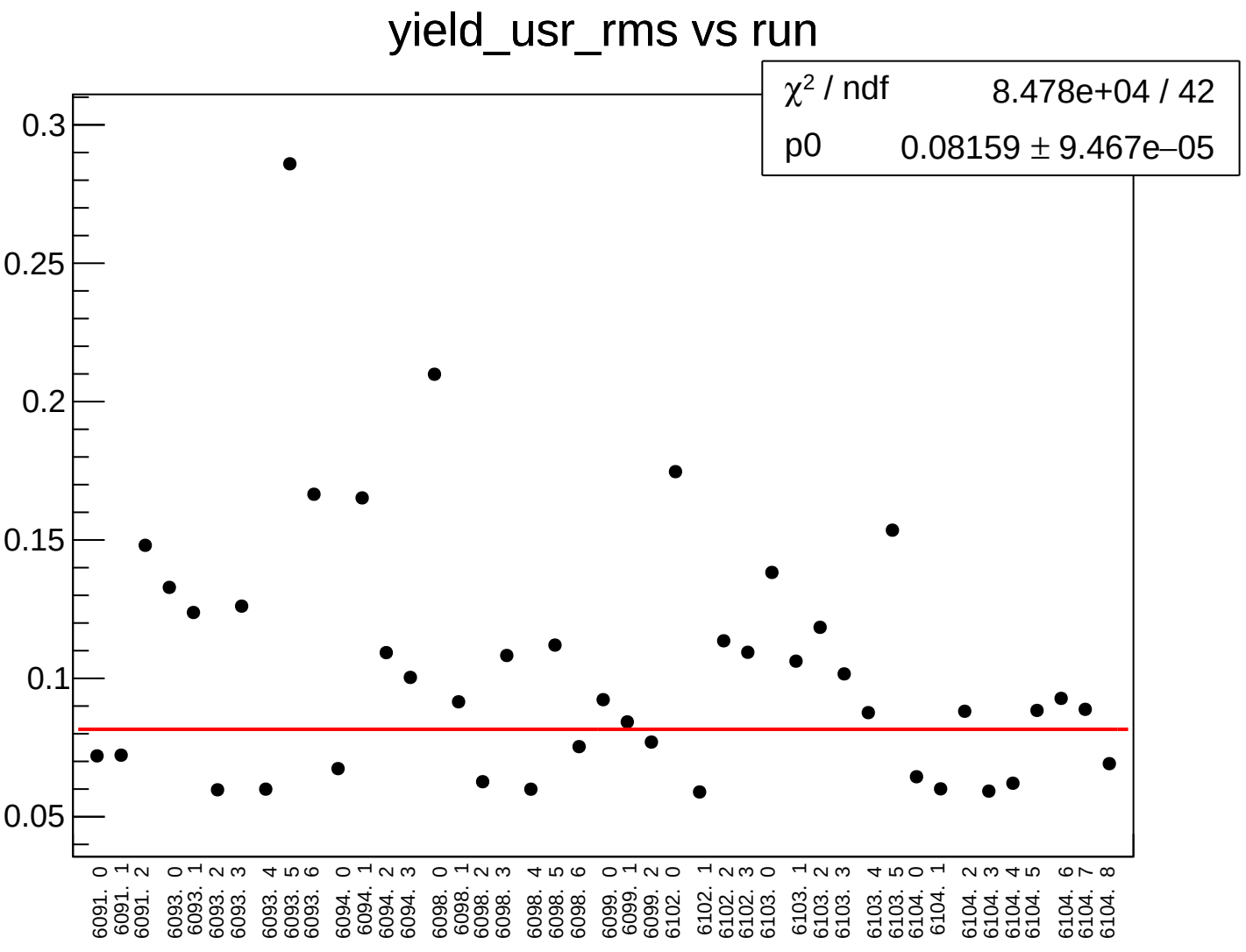

pull1D
Entries 43
Mean −0.101
Std Dev 1.148

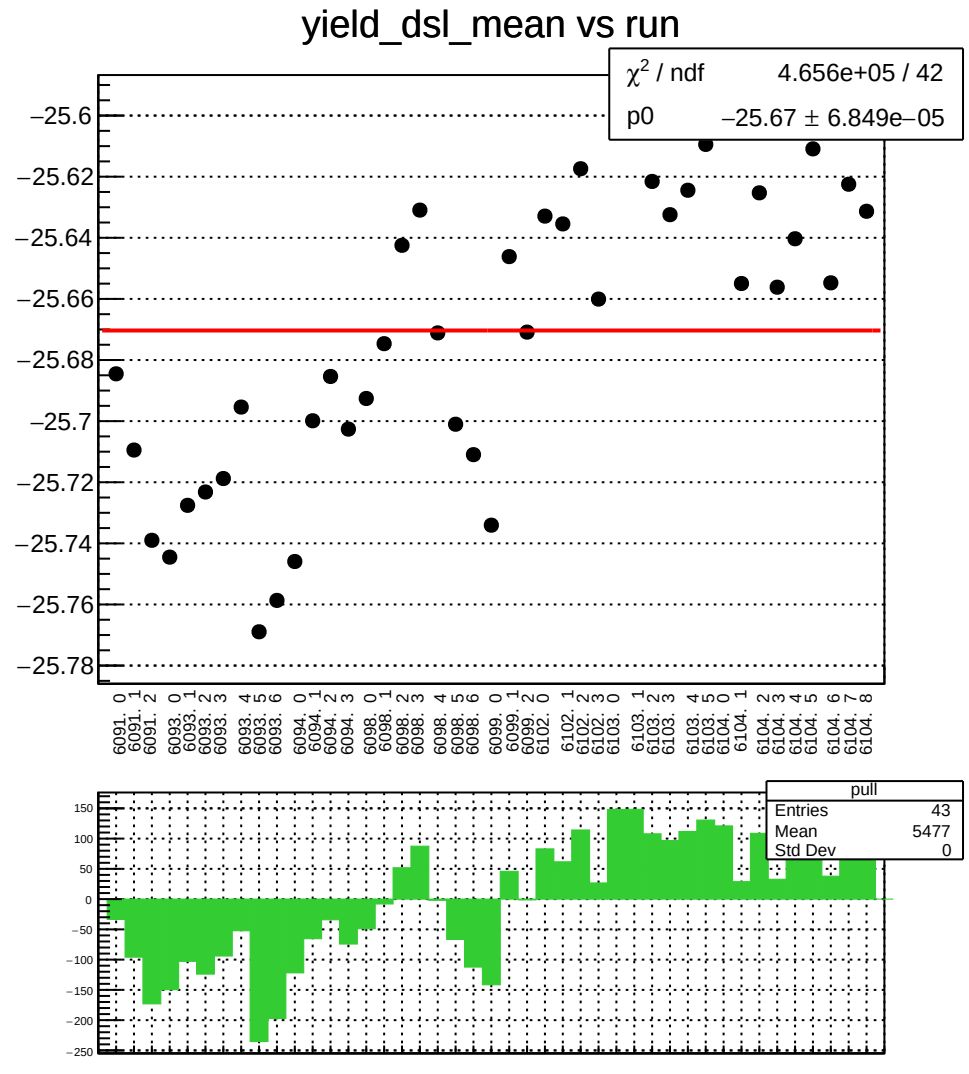

asym_us_dd_atlr_dd_dd_eigen_cor_vs_cor_diff_rms vs run
×10^−12
80
70
60
50
40
30
20
10
χ² / ndf 3.291e+05 / 42
p0 9.487e−12 ± 1.344e−14
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

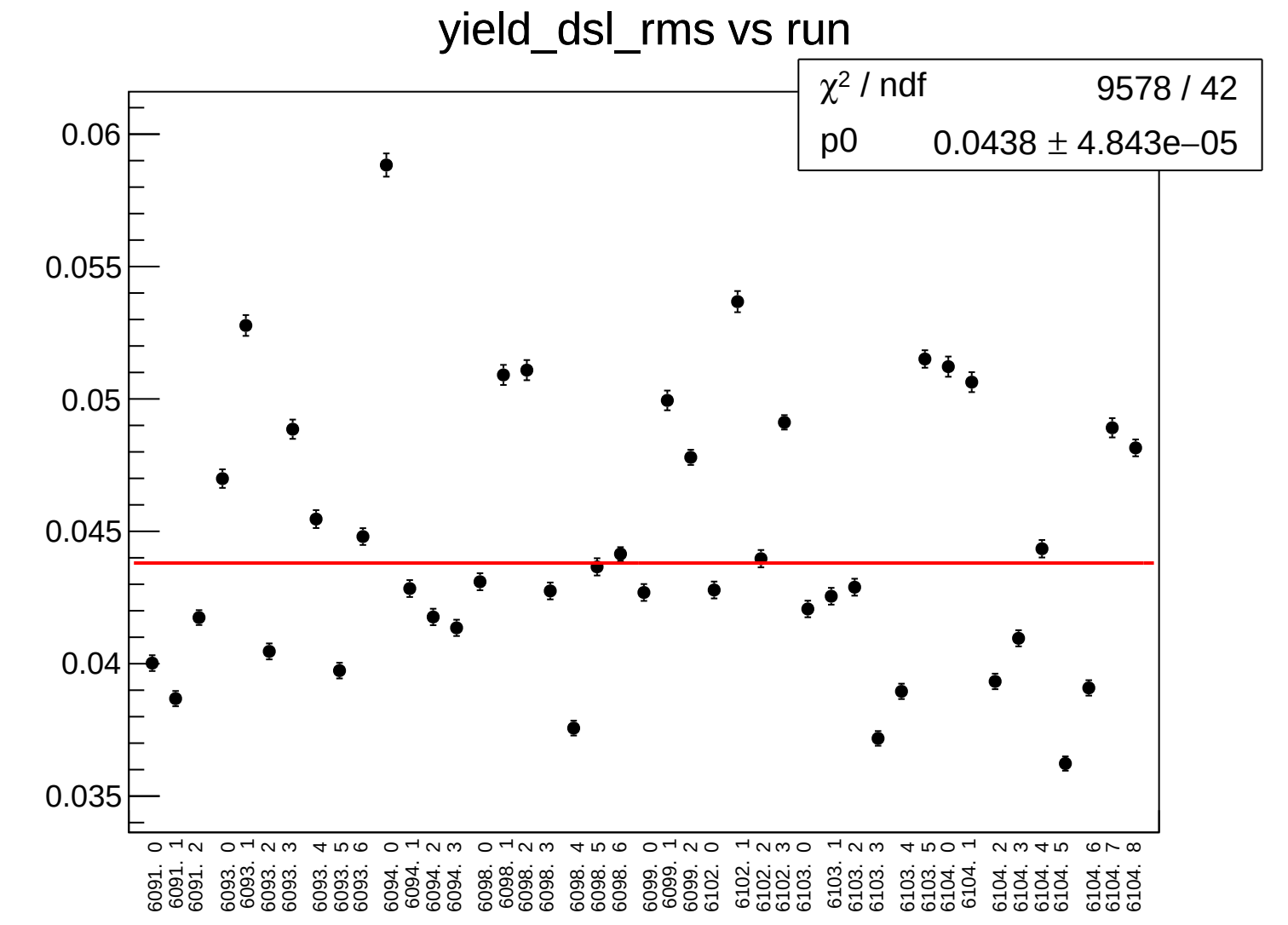

yield_usl_mean vs run
χ² / ndf 4.688e+05 / 42
p0 32.35 ± 9.848e−05
32.55
32.5
32.45
32.4
32.35
32.3
32.25
32.2
32.15
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean −65.94
Std Dev 0
200
150
100
50
0
−50
−100
−150
pull1D
Entries 43
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

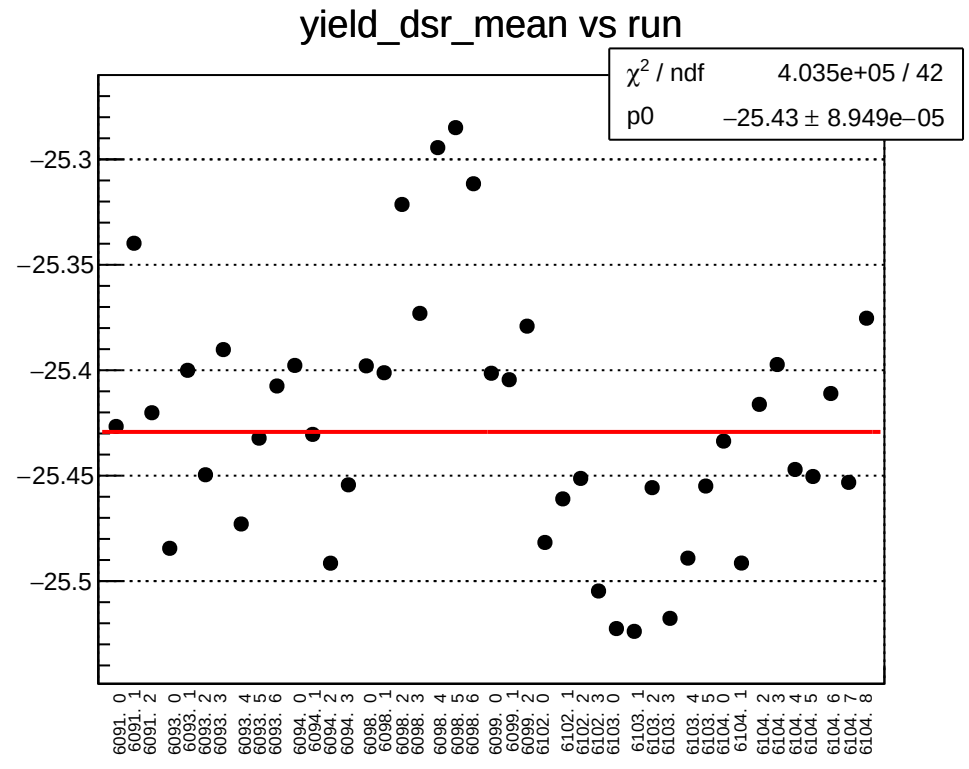

yield_usl_rms vs run
χ² / ndf 7.957e+04 / 42
p0 0.06023 ± 6.964e−05
0.24
0.22
0.2
0.18
0.16
0.14
0.12
0.1
0.08
0.06
0.04
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

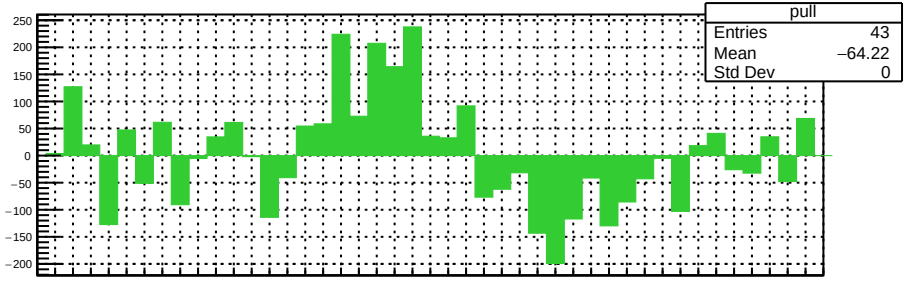

yield_usr_mean vs run
χ² / ndf 5.256e+05 / 42
p0 32.69 ± 0.0001339
32.9
32.85
32.8
32.75
32.7
32.65
32.6
32.55
32.5
32.45
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean −247.2
Std Dev 0
200
150
100
50
0
−50
−100
−150
−200
pull1D
Entries 43
Mean −5.938
Std Dev 1.557
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

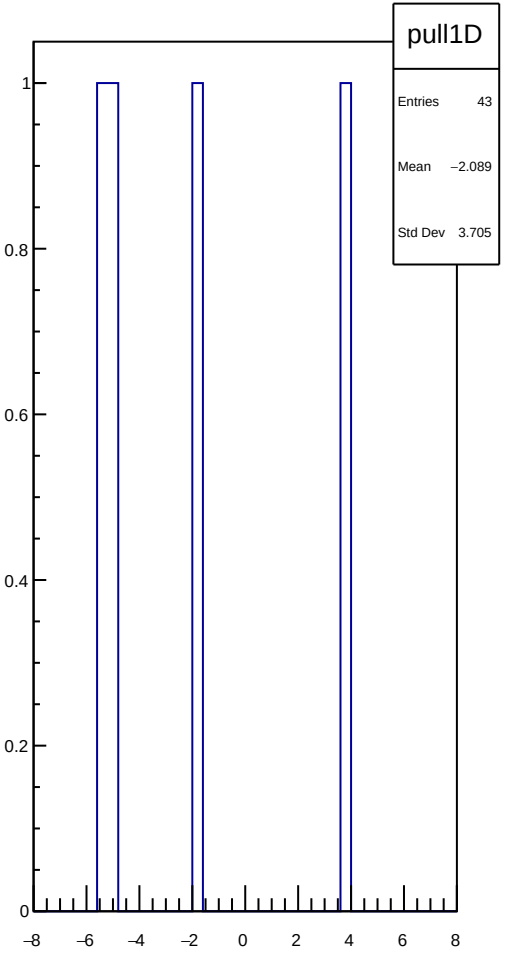

yield_usr_rms vs run
χ² / ndf 8.478e+04 / 42
p0 0.08159 ± 9.467e−05
0.3
0.25
0.2
0.15
0.1
0.05
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

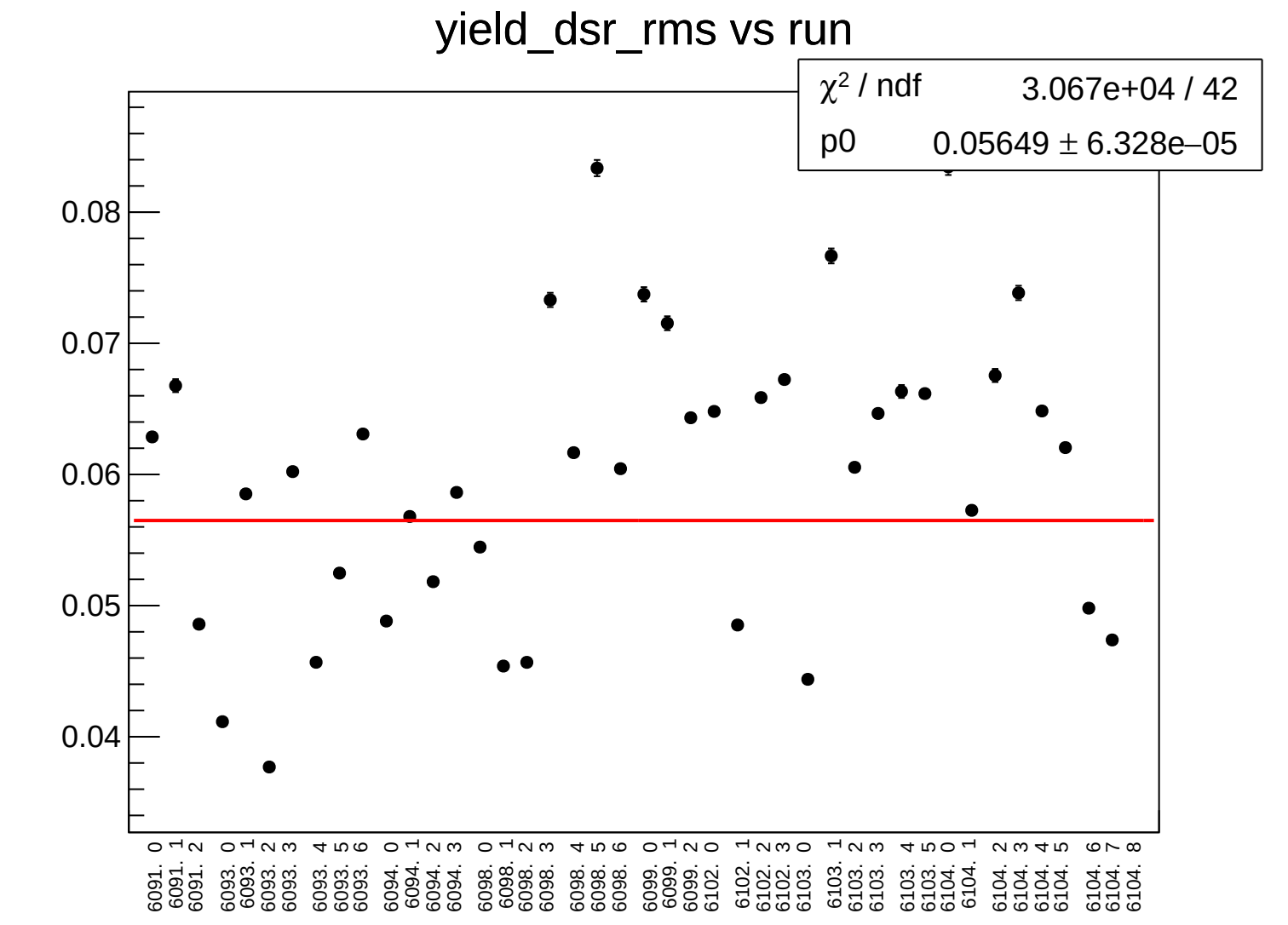

yield_dsl_mean vs run
χ² / ndf 4.656e+05 / 42
p0 −25.67 ± 6.849e−05
−25.6
−25.62
−25.64
−25.66
−25.68
−25.7
−25.72
−25.74
−25.76
−25.78
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 5477
Std Dev 0
150
100
50
0
−50
−100
−150
−200
−250
pull1D
Entries 43
Mean −1.645
Std Dev 0.3416
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

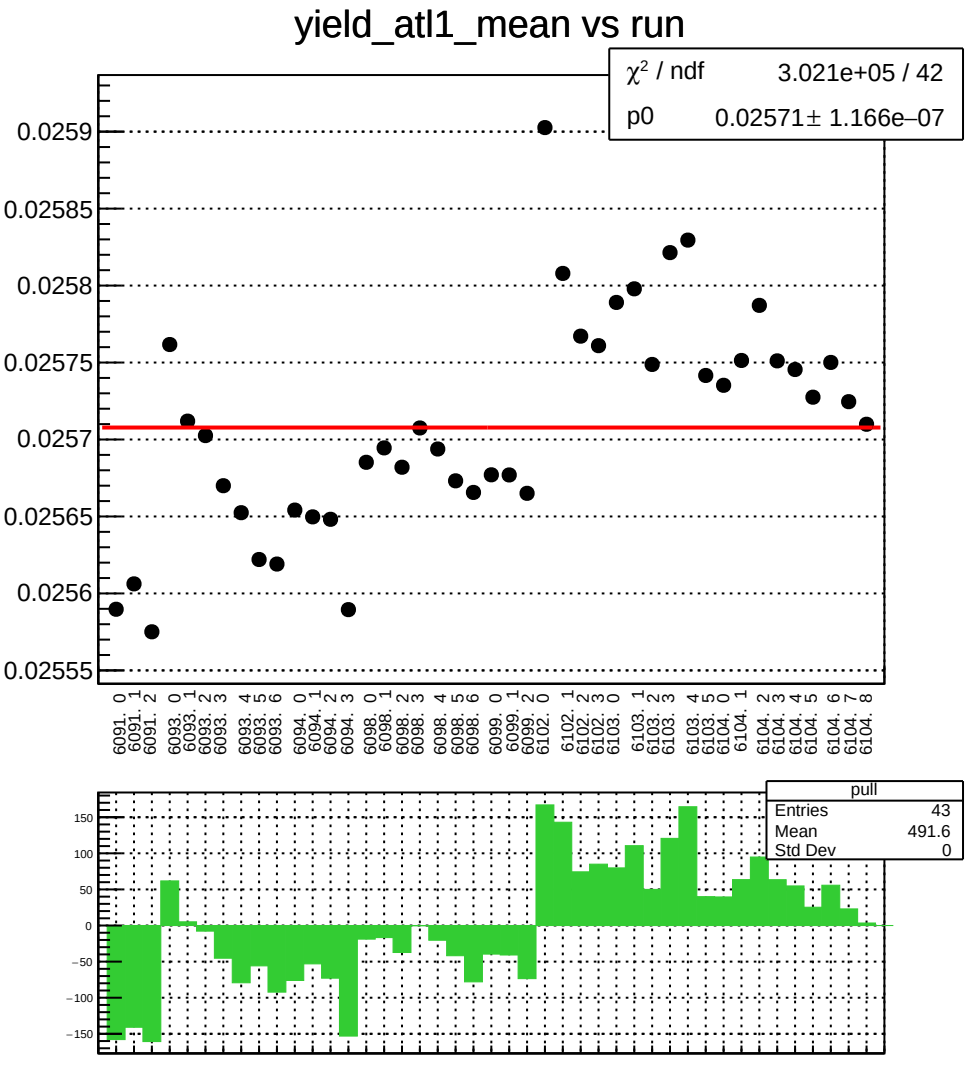

yield_dsl_rms vs run
χ² / ndf 9578 / 42
p0 0.0438 ± 4.843e−05
0.06
0.055
0.05
0.045
0.04
0.035
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

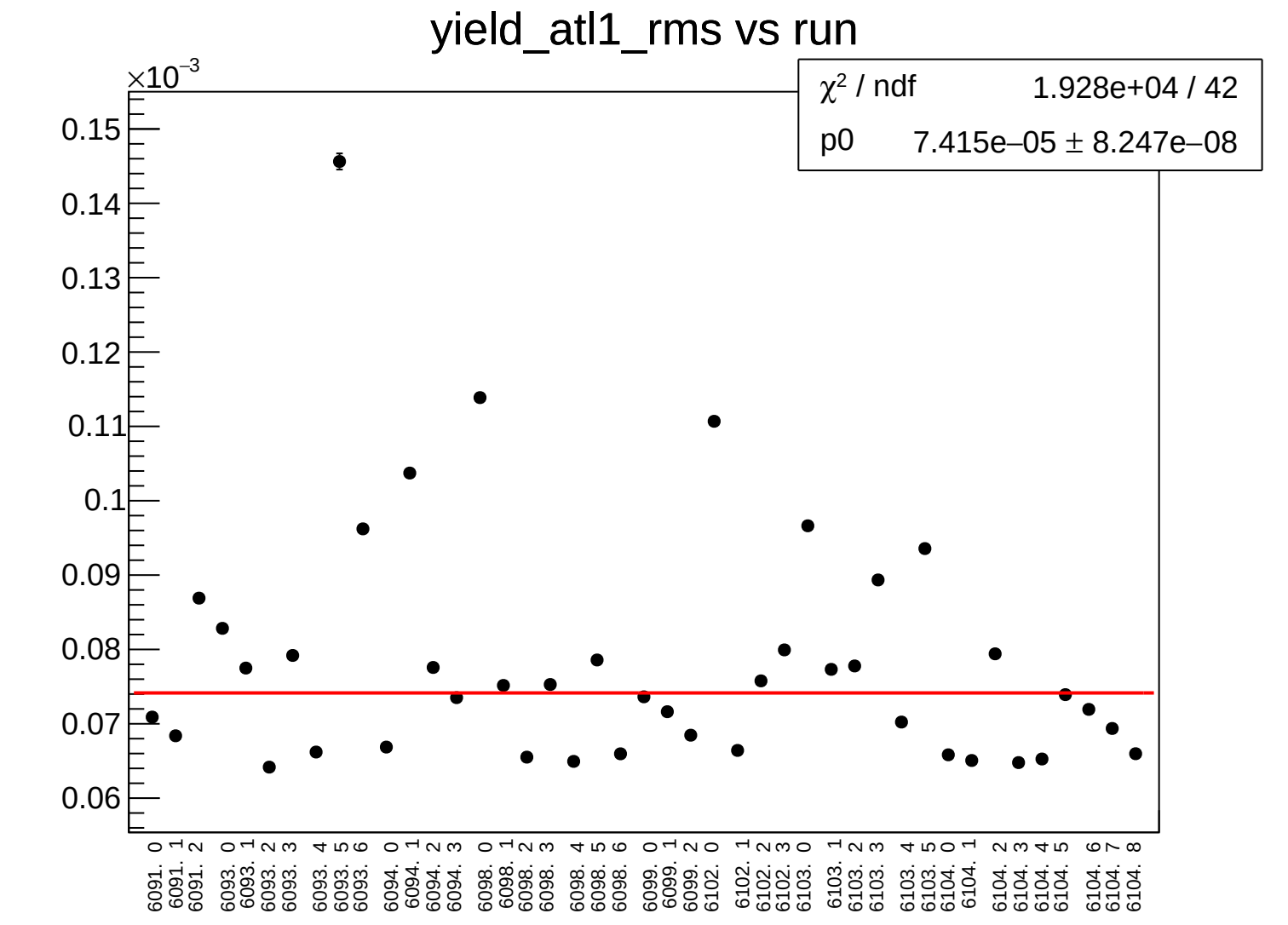

yield_dsr_mean vs run
χ² / ndf 4.035e+05 / 42
p0 −25.43 ± 8.949e−05
−25.3
−25.35
−25.4
−25.45
−25.5
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

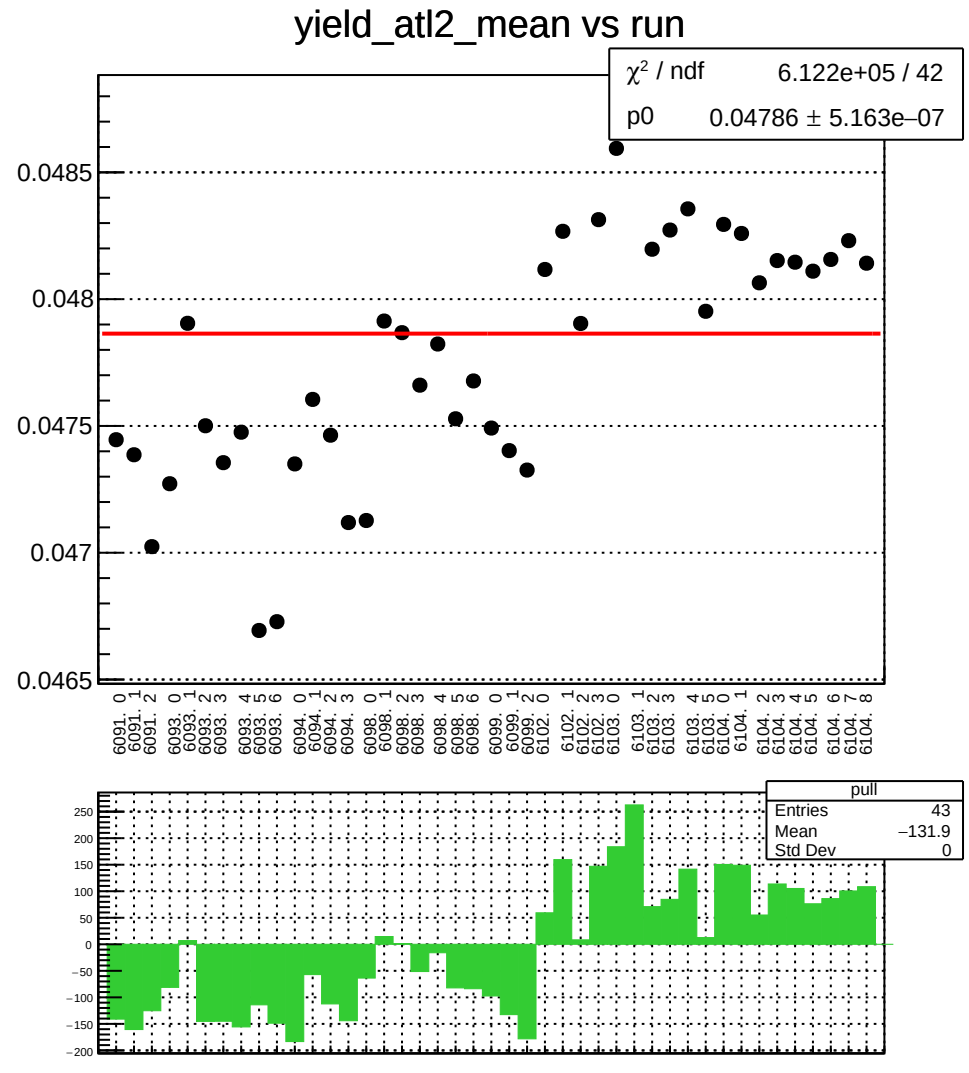

pull
Entries 43
Mean −64.22
Std Dev 0
250
200
150
100
50
0
−50
−100
−150
−200

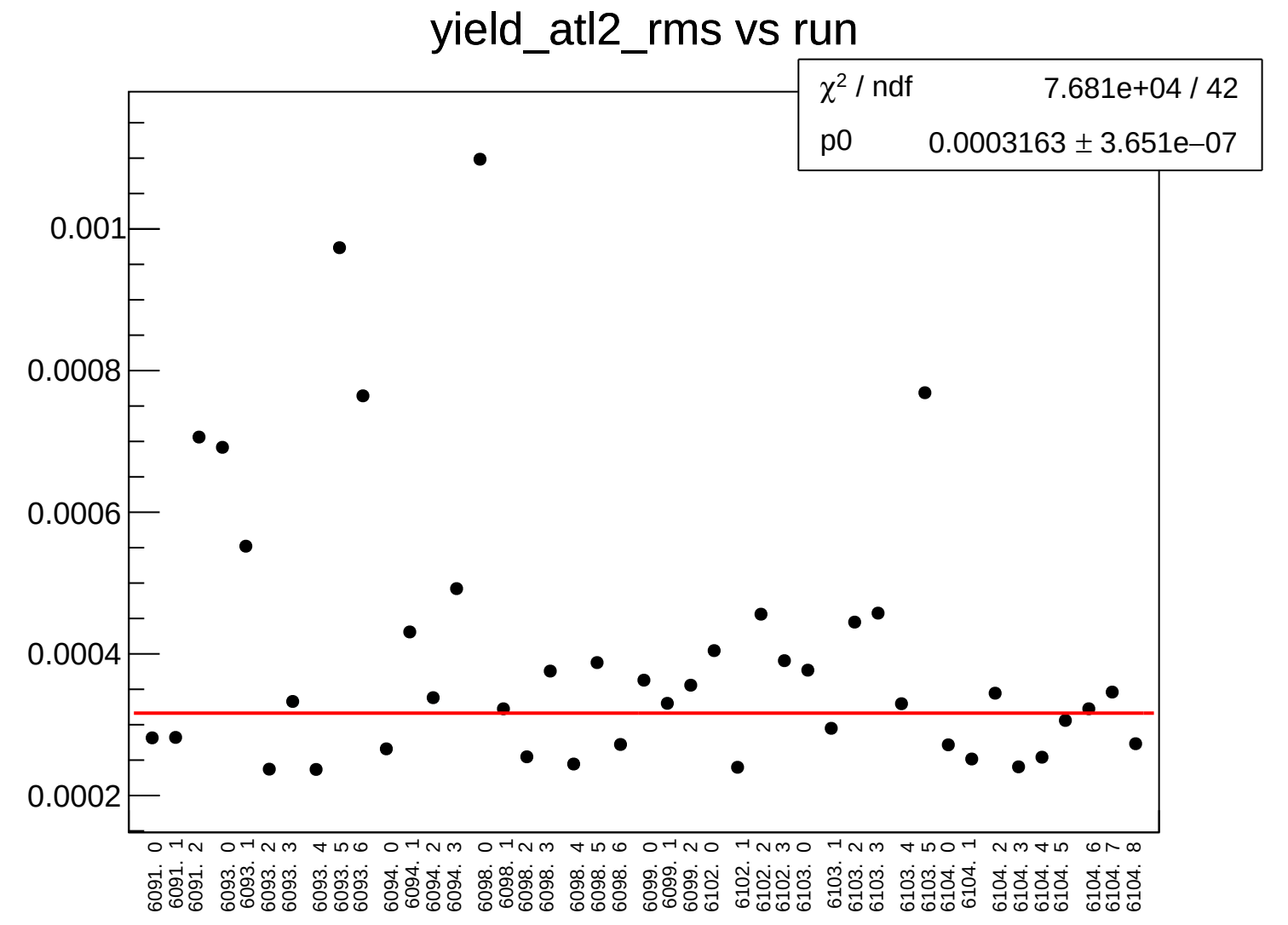

pull1D
Entries 43
Mean −2.089
Std Dev 3.705
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

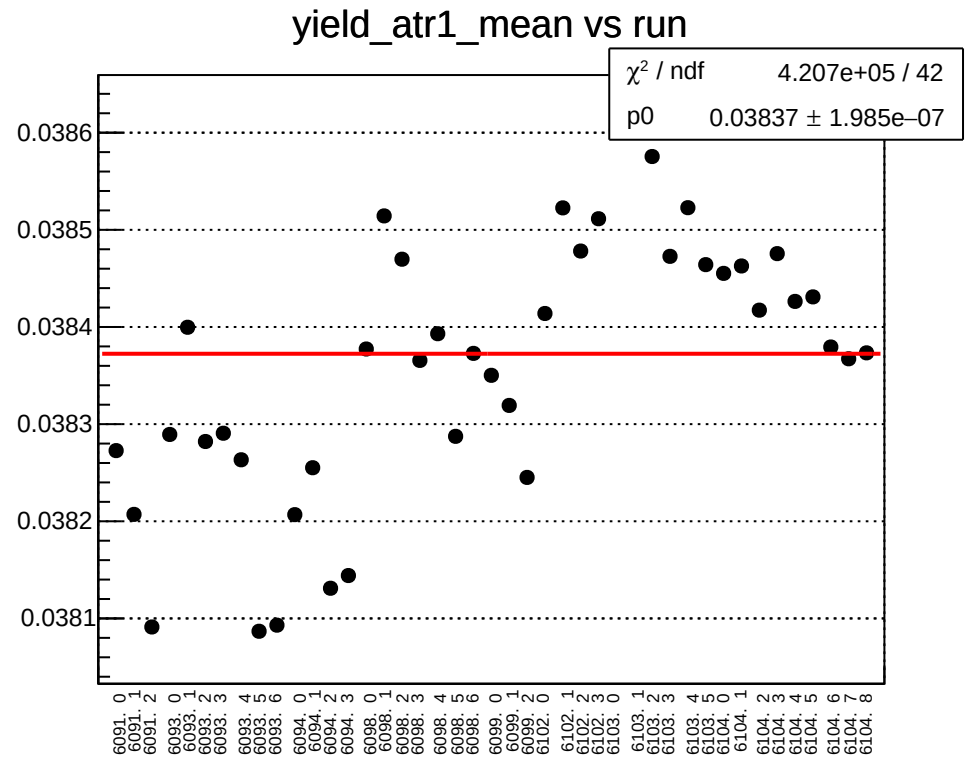

yield_dsr_rms vs run
χ² / ndf 3.067e+04 / 42
p0 0.05649 ± 6.328e−05
0.08
0.07
0.06
0.05
0.04
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

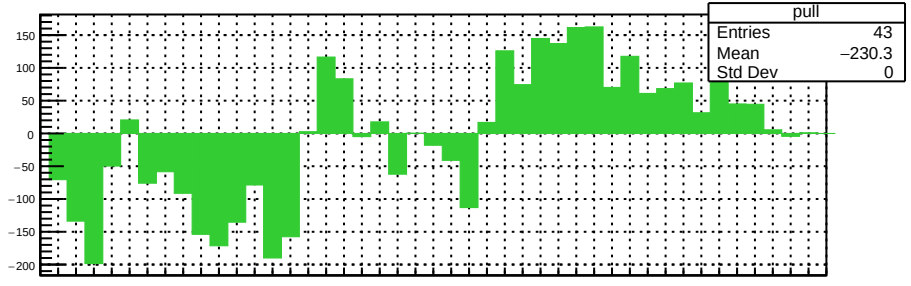

yield_atl1_mean vs run
χ² / ndf 3.021e+05 / 42
p0 0.02571± 1.166e−07
0.0259
0.02585
0.0258
0.02575
0.0257
0.02565
0.0256
0.02555
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 491.6
Std Dev 0
150
100
50
0
−50
−100
−150
pull1D
Entries 43
Mean 0.1141
Std Dev 4.945
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

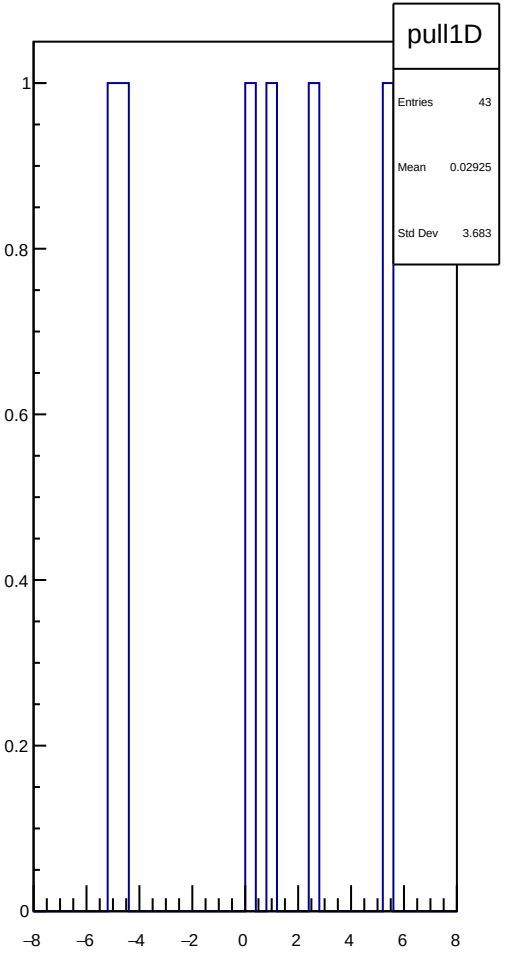

yield_atl1_rms vs run
×10⁻³
χ² / ndf 1.928e+04 / 42
p0 7.415e−05 ± 8.247e−08
0.15
0.14
0.13
0.12
0.11
0.1
0.09
0.08
0.07
0.06
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

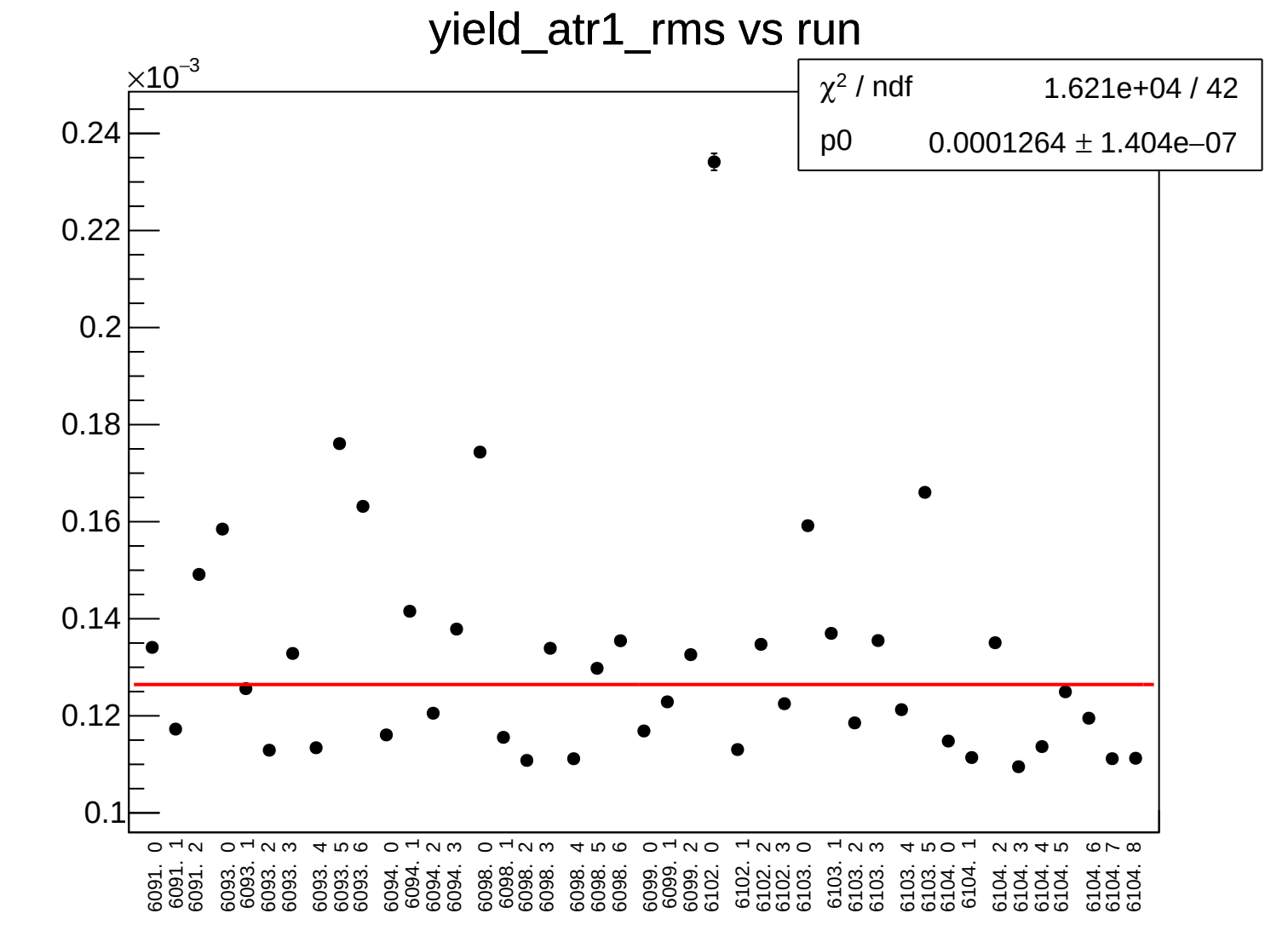

yield_atl2_mean vs run
χ² / ndf 6.122e+05 / 42
p0 0.04786 ± 5.163e−07
0.0485
0.048
0.0475
0.047
0.0465
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean −131.9
Std Dev 0
250
200
150
100
50
0
−50
−100
−150
−200
pull1D
Entries 43
Mean 4.211
Std Dev 2.788
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

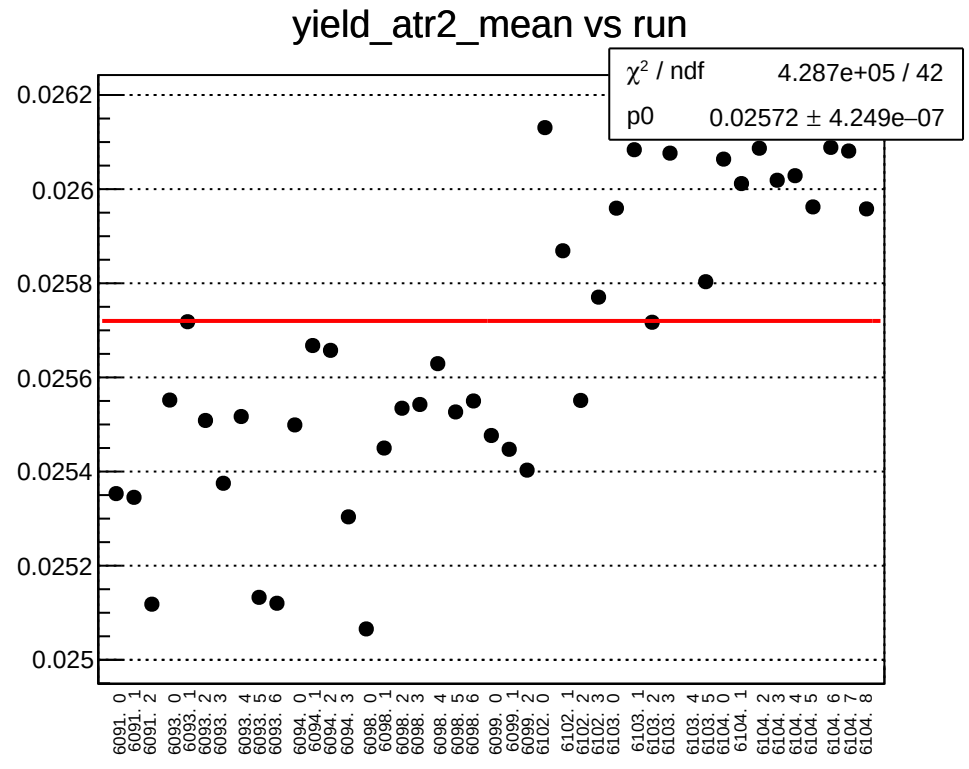

yield_atl2_rms vs run
χ² / ndf 7.681e+04 / 42
p0 0.0003163 ± 3.651e−07
0.001
0.0008
0.0006
0.0004
0.0002
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

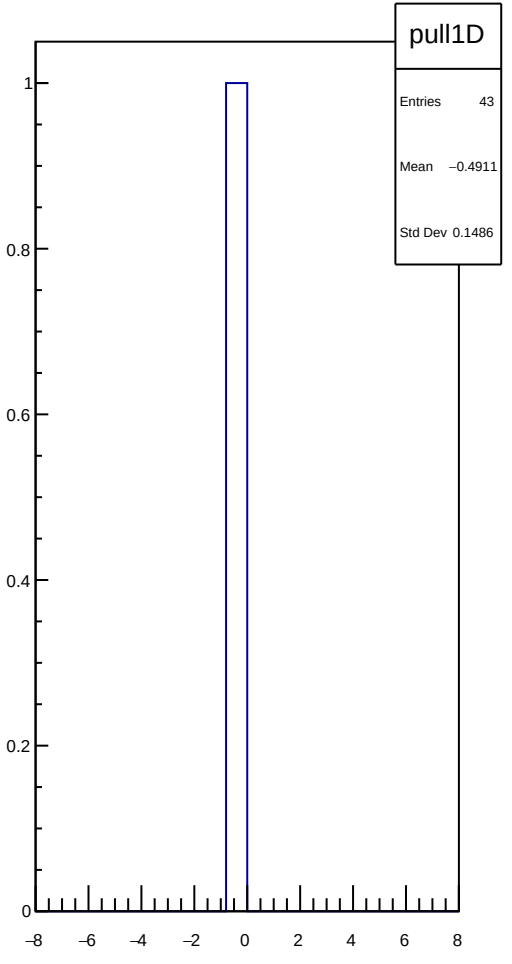

yield_atr1_mean vs run
χ² / ndf 4.207e+05 / 42
p0 0.03837 ± 1.985e−07
0.0386
0.0385
0.0384
0.0383
0.0382
0.0381
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

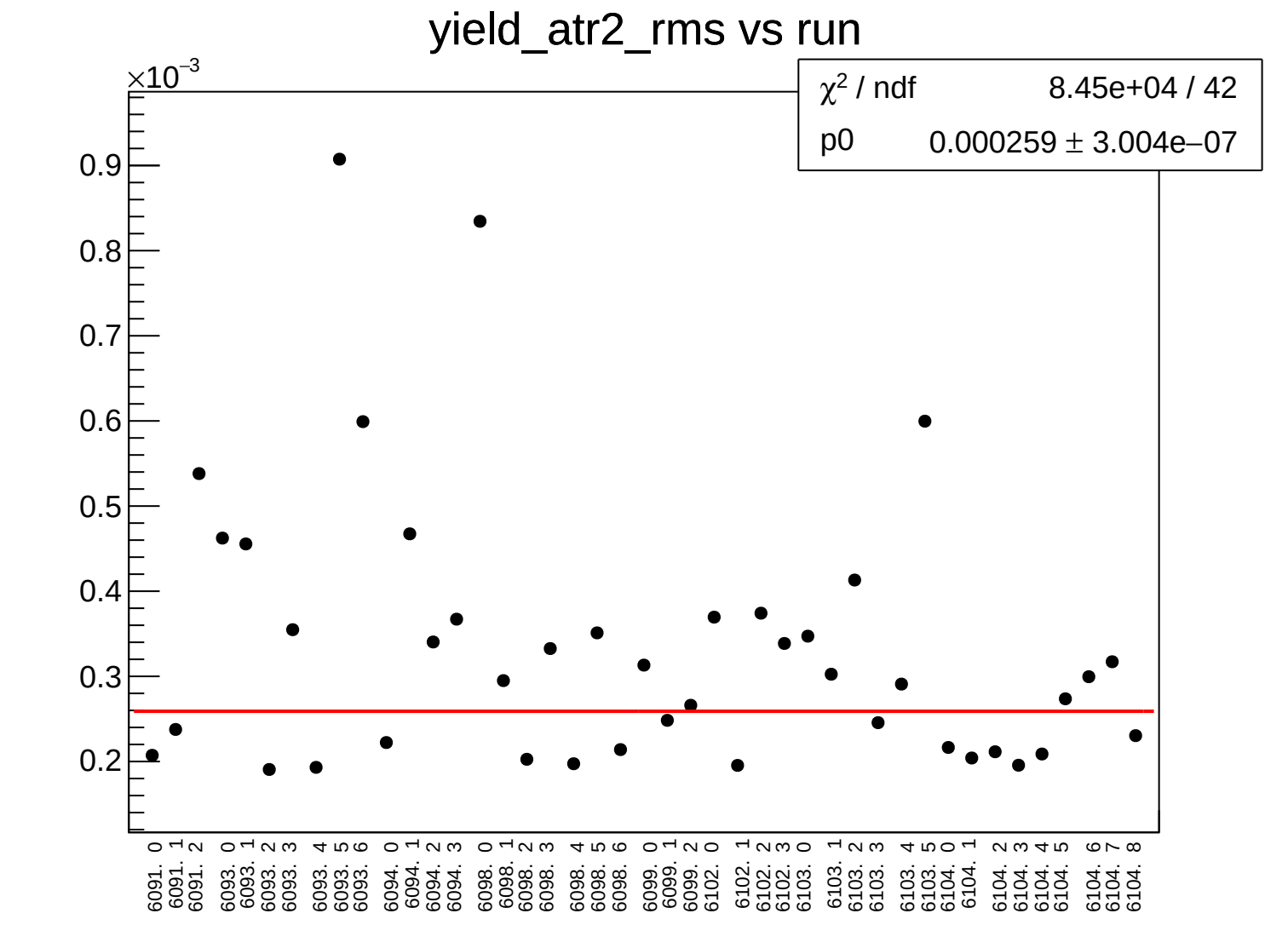

pull
Entries 43
Mean −230.3
Std Dev 0
150
100
50
0
−50
−100
−150
−200

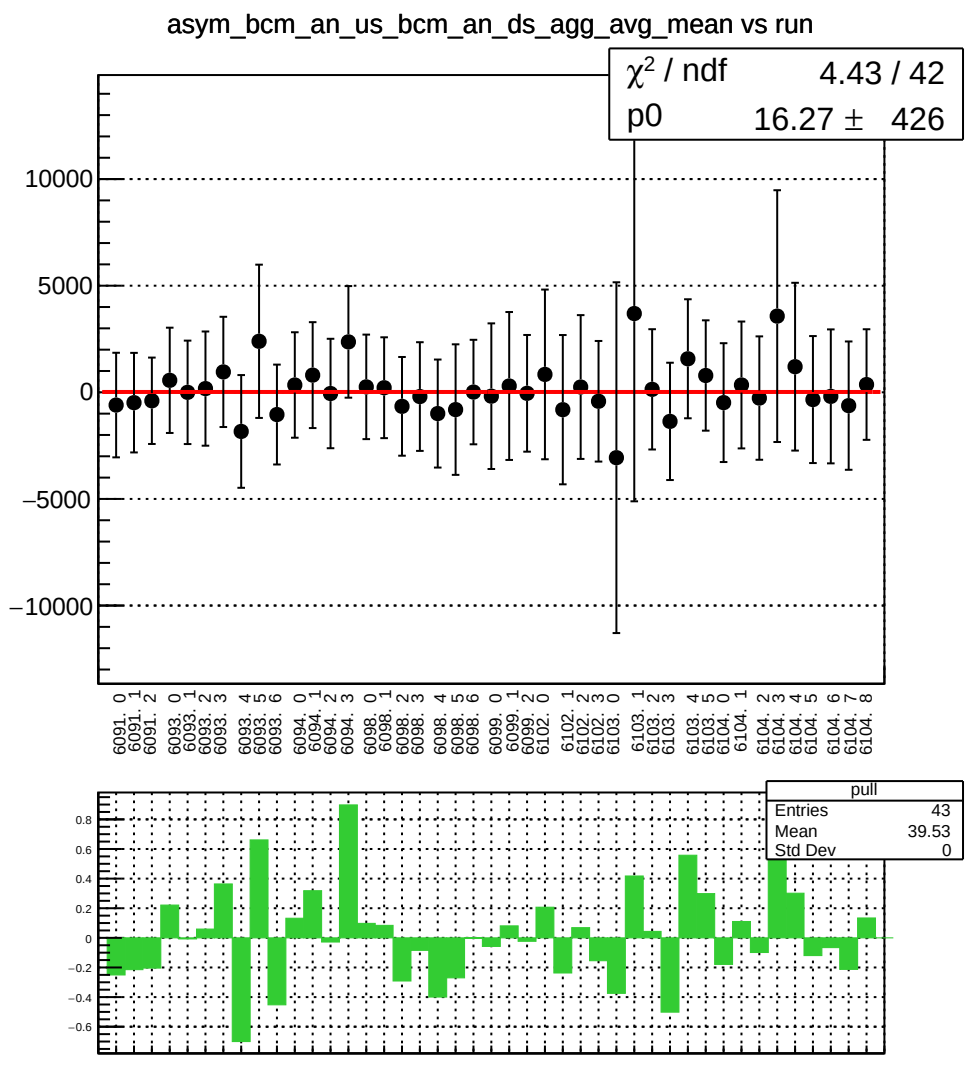

pull1D
Entries 43
Mean 0.02925
Std Dev 3.683
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

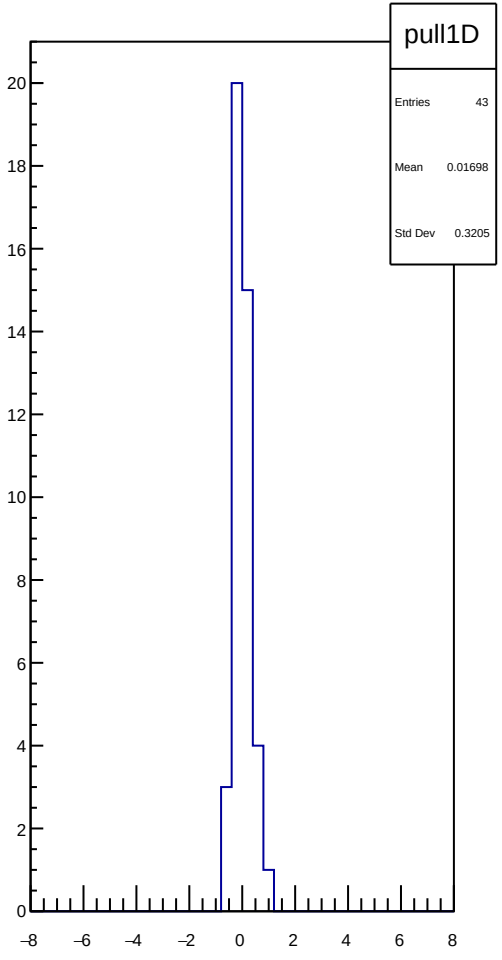

yield_atr1_rms vs run
×10⁻³
χ² / ndf 1.621e+04 / 42
p0 0.0001264 ± 1.404e−07
0.24
0.22
0.2
0.18
0.16
0.14
0.12
0.1
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

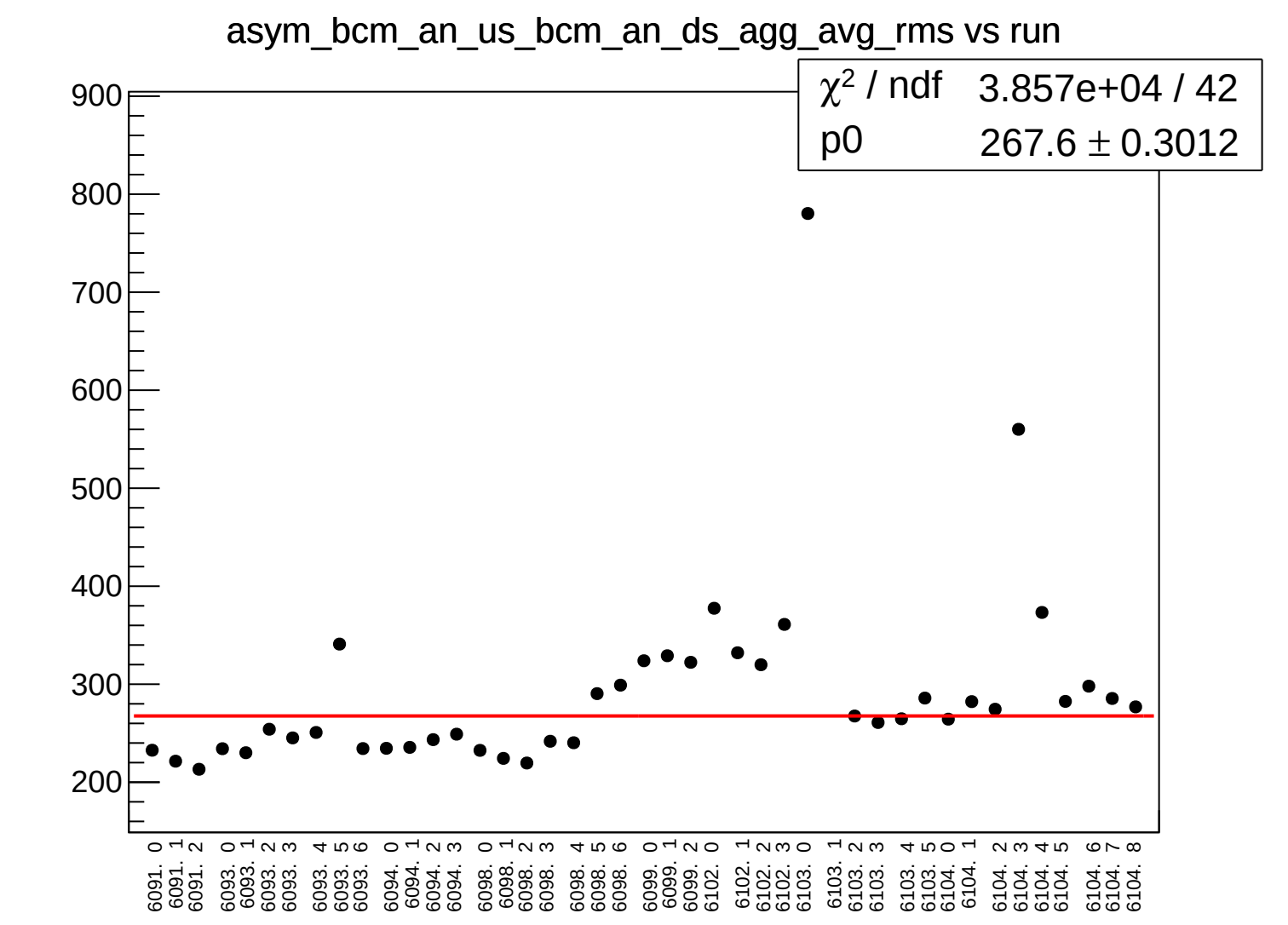

yield_atr2_mean vs run
χ² / ndf 4.287e+05 / 42
p0 0.02572 ± 4.249e−07
0.0262
0.026
0.0258
0.0256
0.0254
0.0252
0.025
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean −201.1
Std Dev 0
150
100
50
0
−50
−100
−150

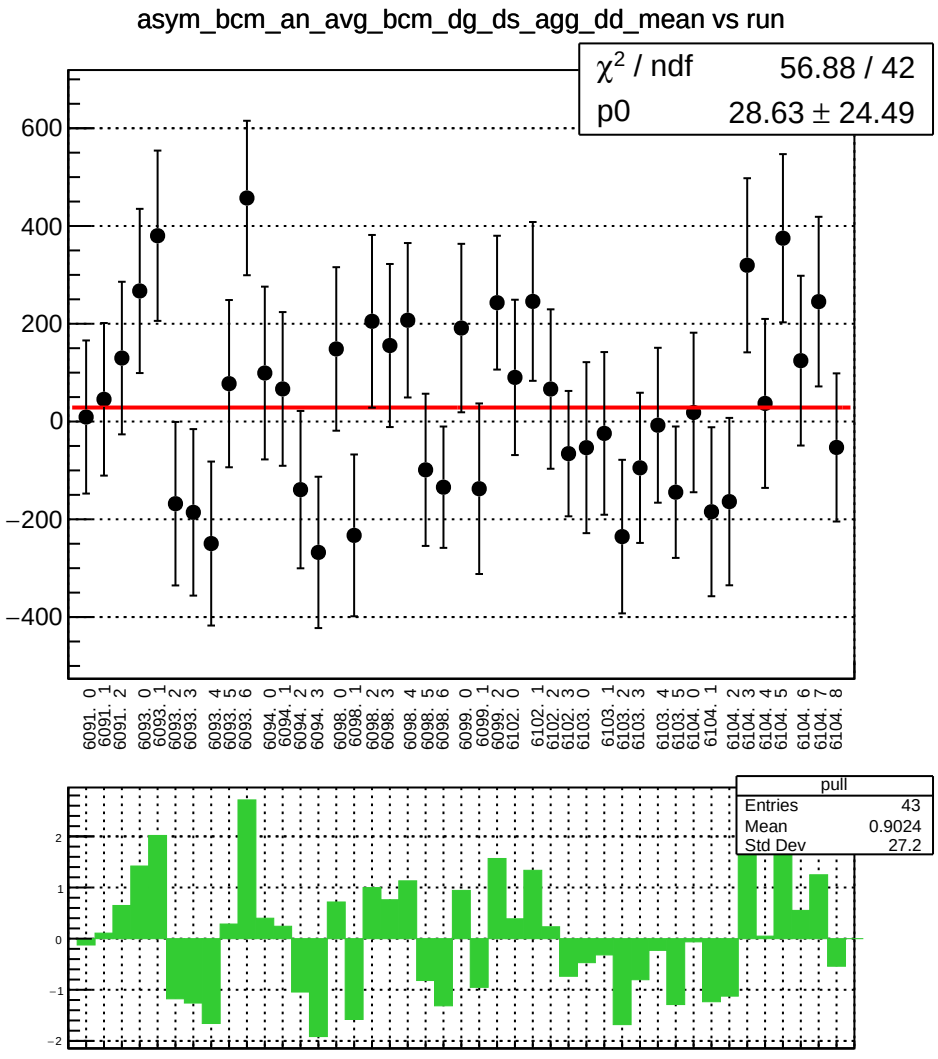

pull1D
Entries 43
Mean −0.4911
Std Dev 0.1486
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

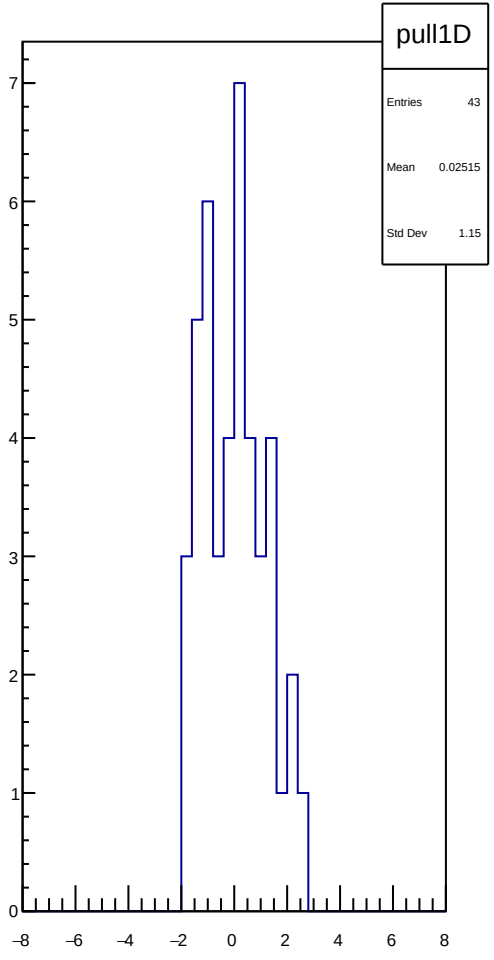

yield_atr2_rms vs run
×10⁻³
χ² / ndf 8.45e+04 / 42
p0 0.000259 ± 3.004e−07
0.9
0.8
0.7
0.6
0.5
0.4
0.3
0.2
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

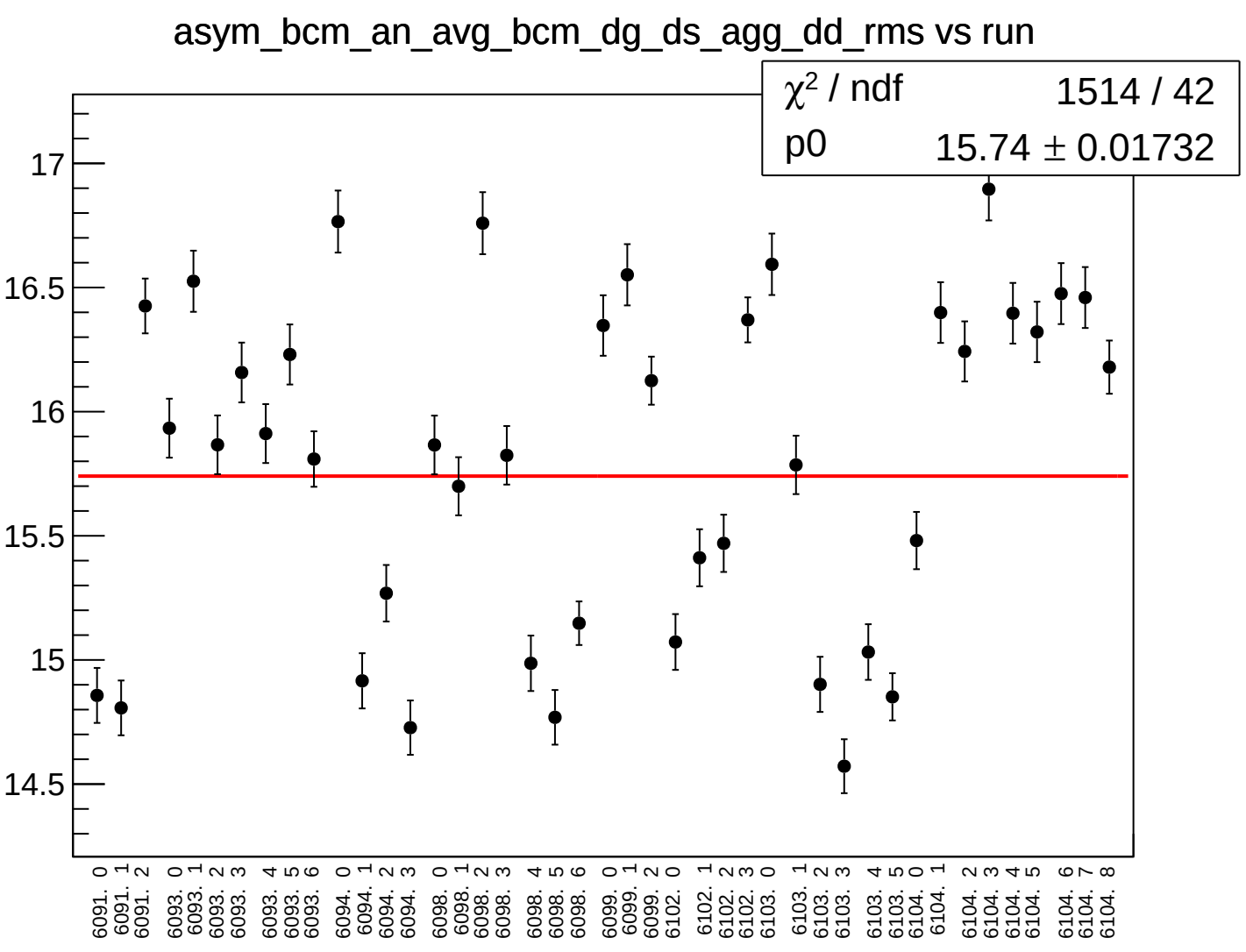

asym_bcm_an_us_bcm_an_ds_agg_avg_mean vs run
χ² / ndf 4.43 / 42
p0 16.27 ± 426
10000
5000
0
−5000
−10000
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 39.53
Std Dev 0
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6

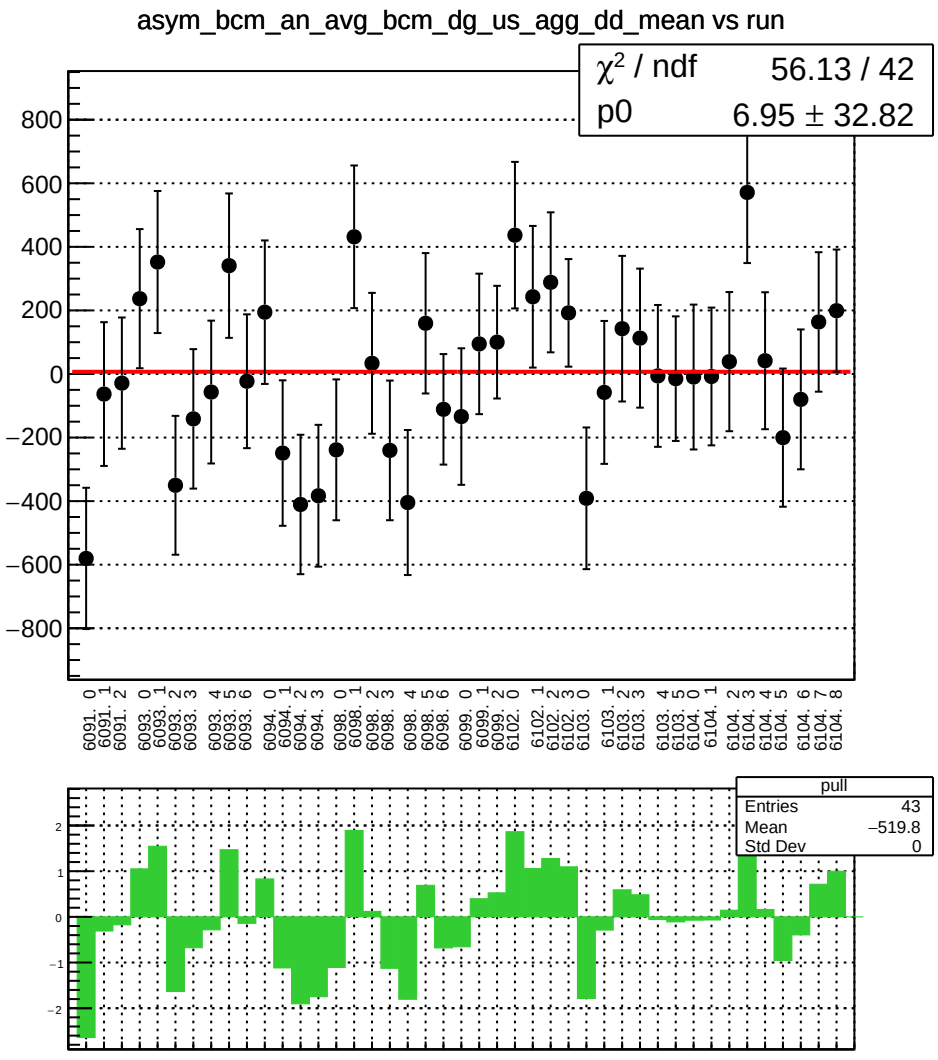

pull1D
Entries 43
Mean 0.01698
Std Dev 0.3205
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

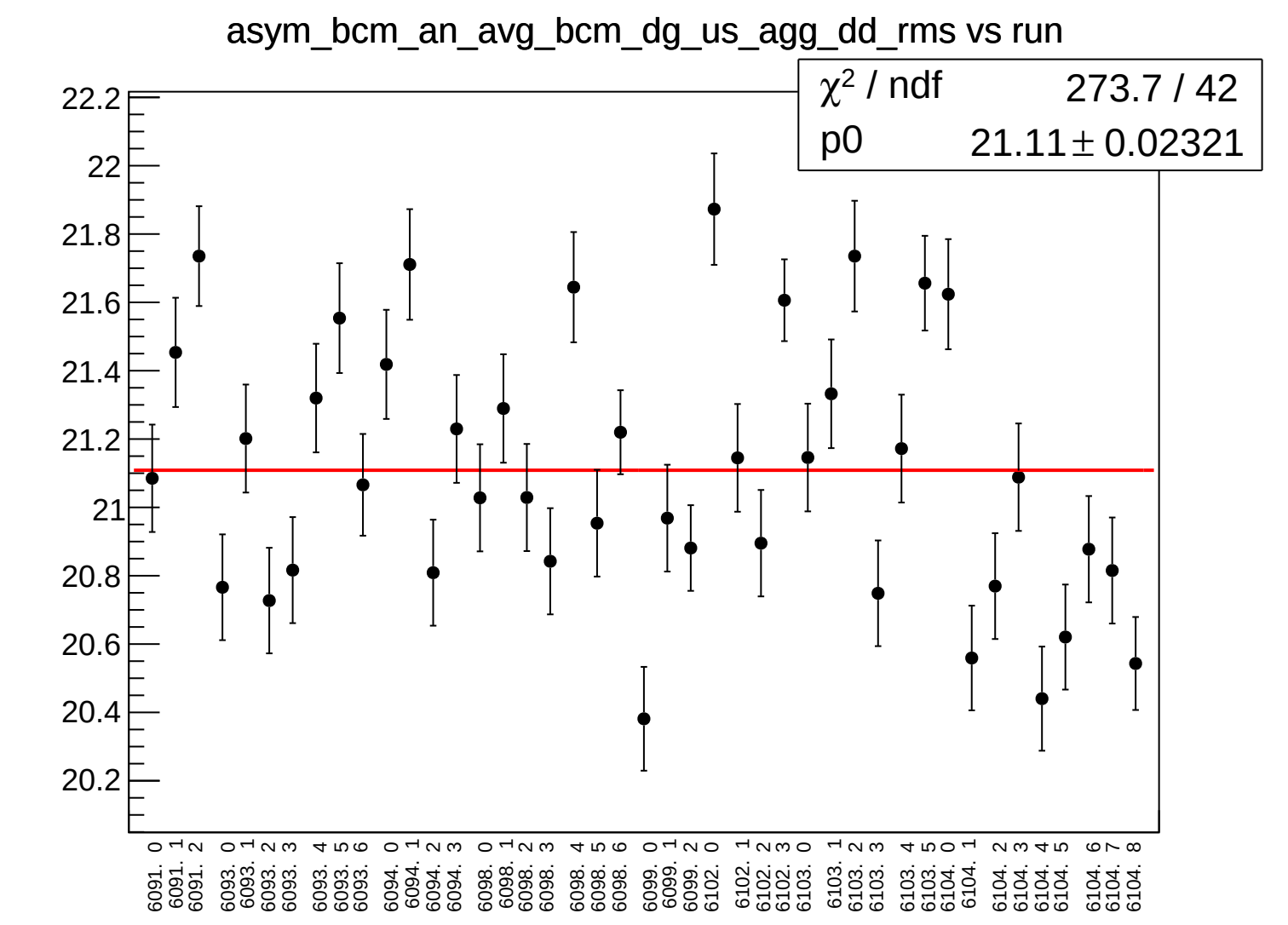

asym_bcm_an_us_bcm_an_ds_agg_avg_rms vs run
χ² / ndf 3.857e+04 / 42
p0 267.6 ± 0.3012
900
800
700
600
500
400
300
200
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

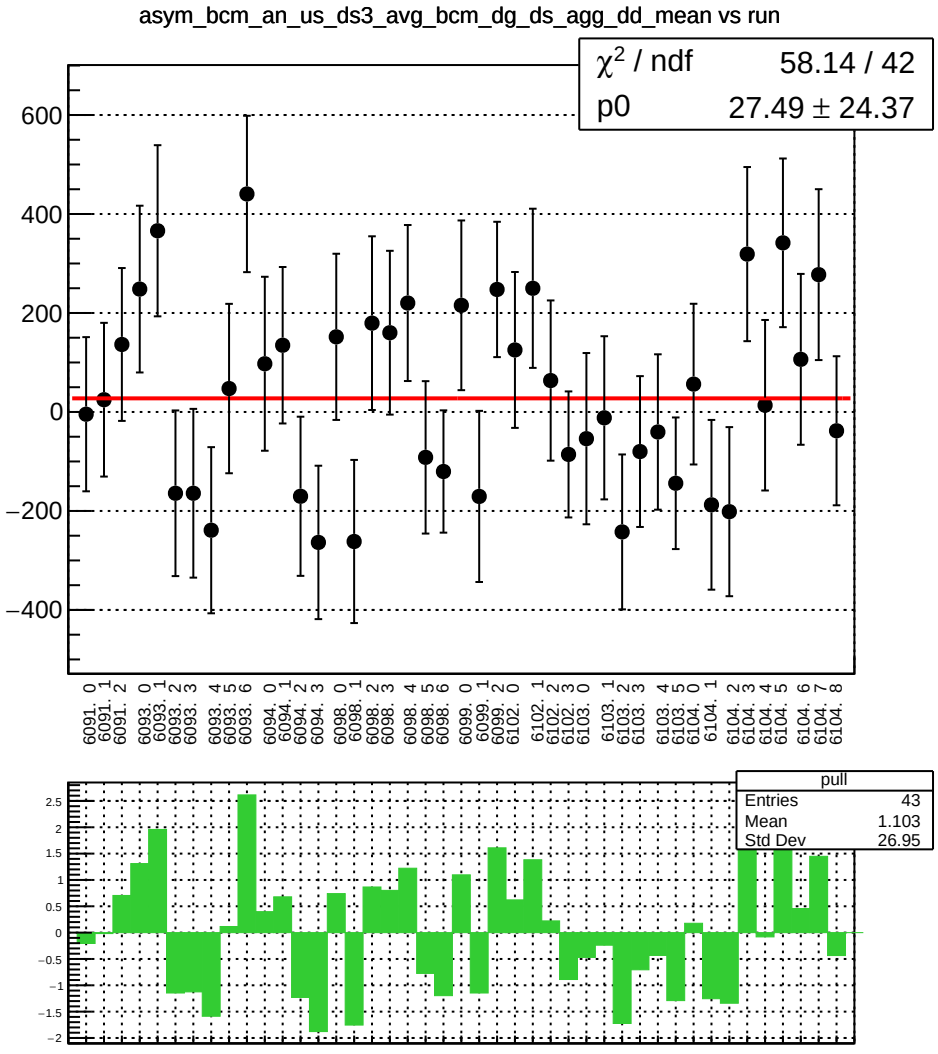

asym_bcm_an_avg_bcm_dg_ds_agg_dd_mean vs run
χ² / ndf 56.88 / 42
p0 28.63 ± 24.49
600
400
200
0
−200
−400
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 0.9024
Std Dev 27.2
2
1
0
−1
−2

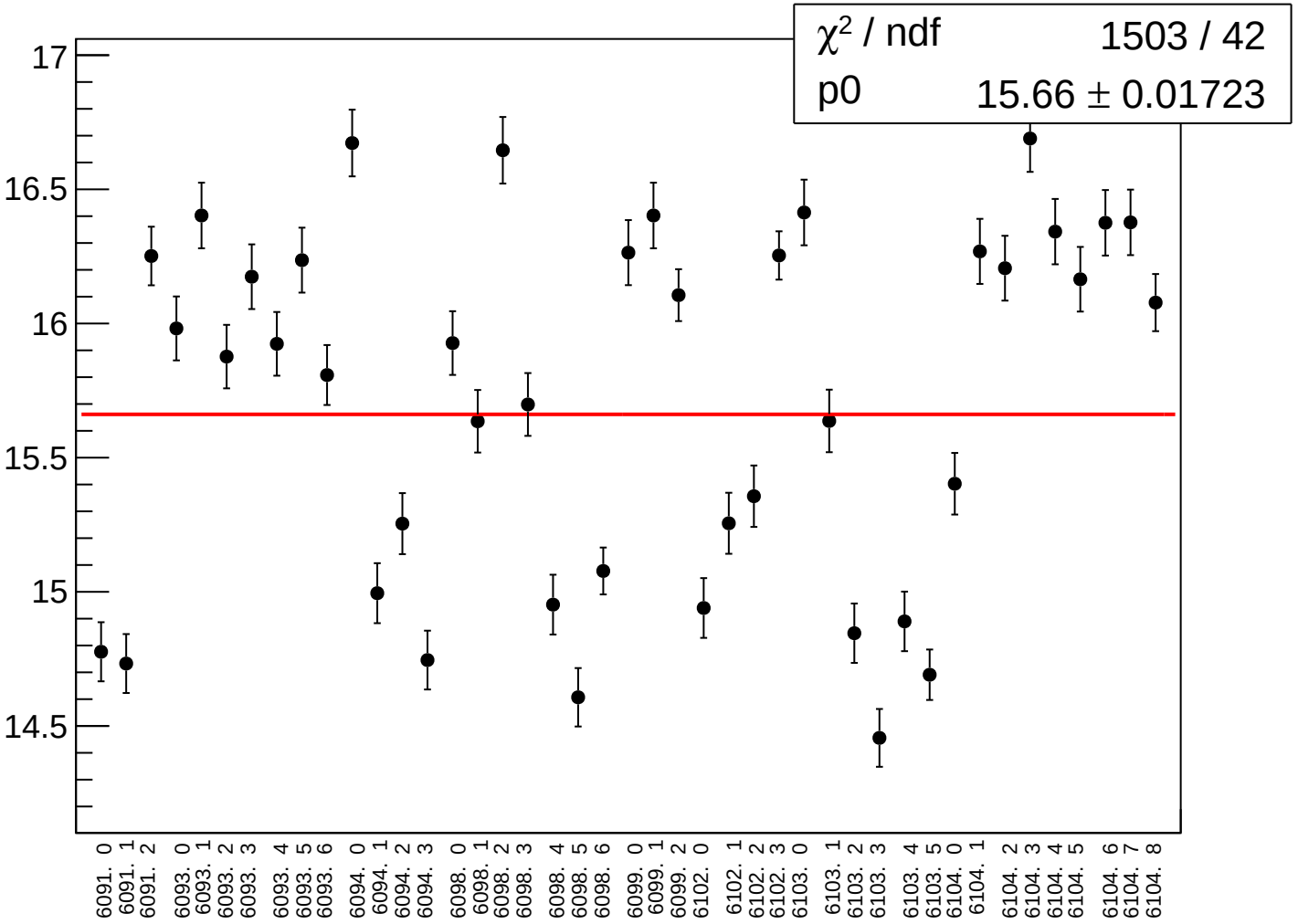

pull1D
Entries 43
Mean 0.02515
Std Dev 1.15
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

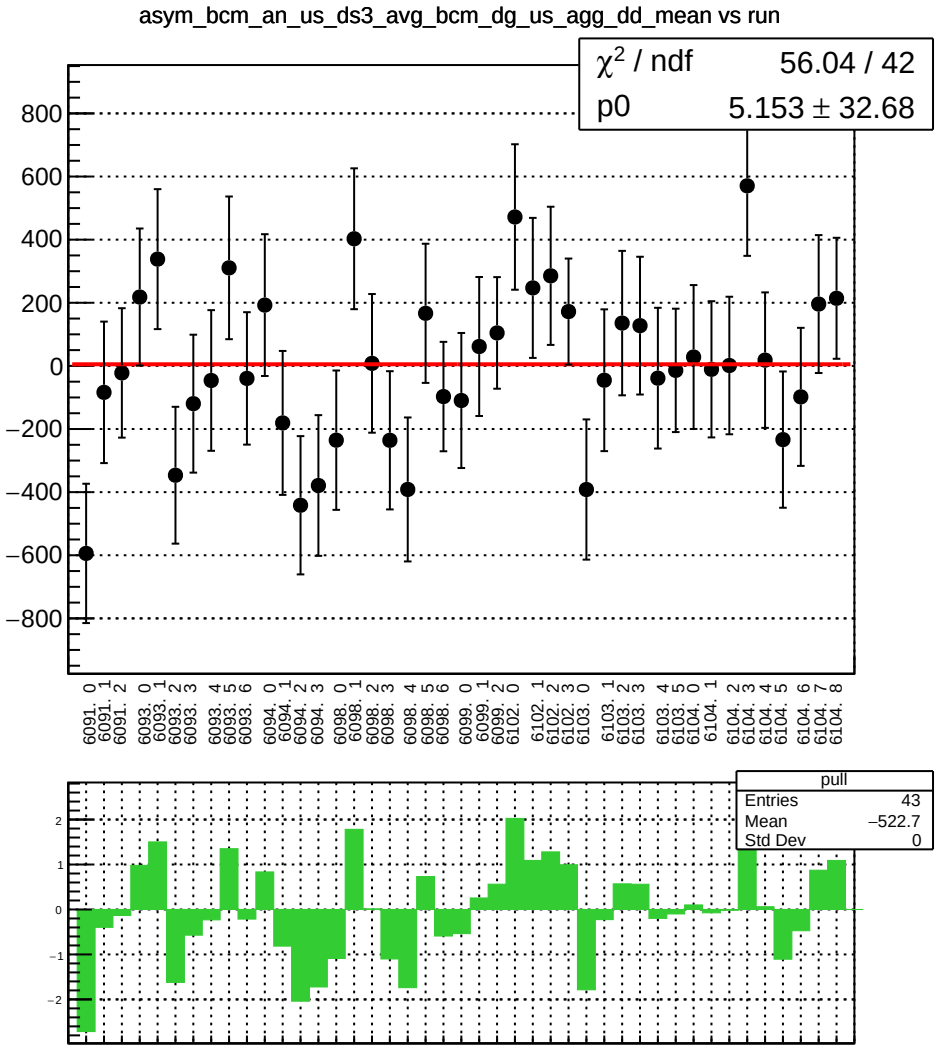

asym_bcm_an_avg_bcm_dg_ds_agg_dd_rms vs run
χ² / ndf 1514 / 42
p0 15.74 ± 0.01732
17
16.5
16
15.5
15
14.5
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

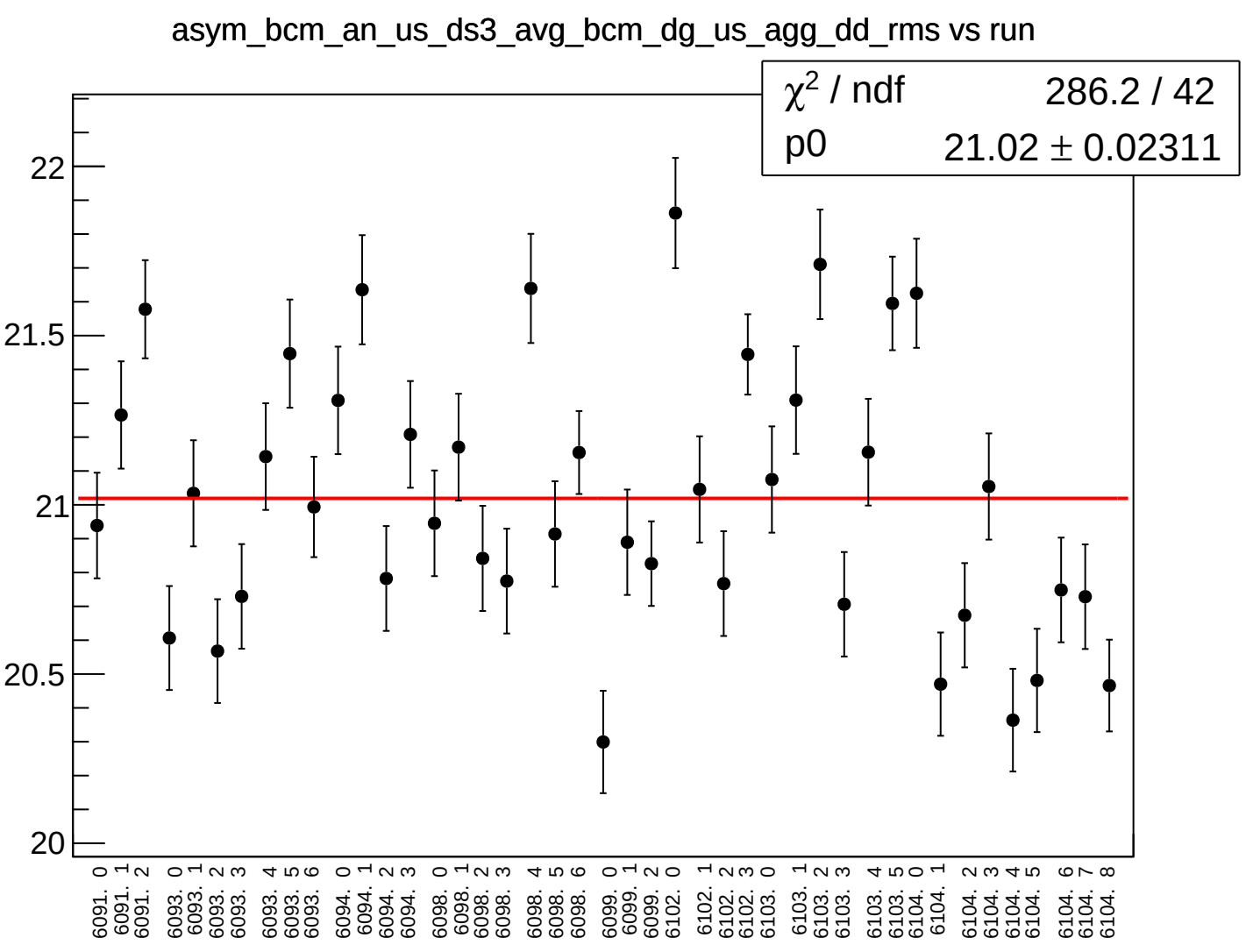

asym_bcm_an_avg_bcm_dg_us_agg_dd_mean vs run
χ² / ndf 56.13 / 42
p0 6.95 ± 32.82
pull
Entries 43
Mean −519.8
Std Dev 0
pull1D
Entries 43
Mean −0.00656
Std Dev 1.142

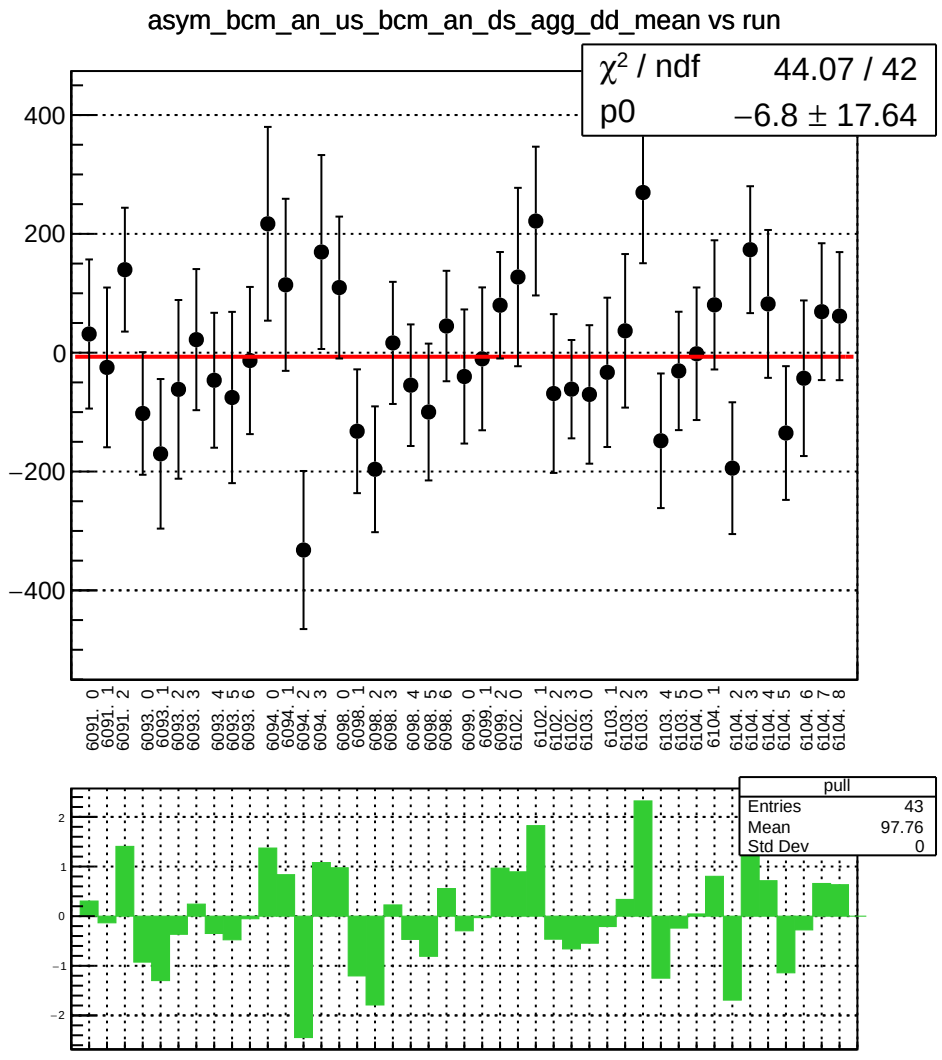

asym_bcm_an_avg_bcm_dg_us_agg_dd_rms vs run
χ² / ndf 273.7 / 42
p0 21.11 ± 0.02321
22.2
22
21.8
21.6
21.4
21.2
21
20.8
20.6
20.4
20.2
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

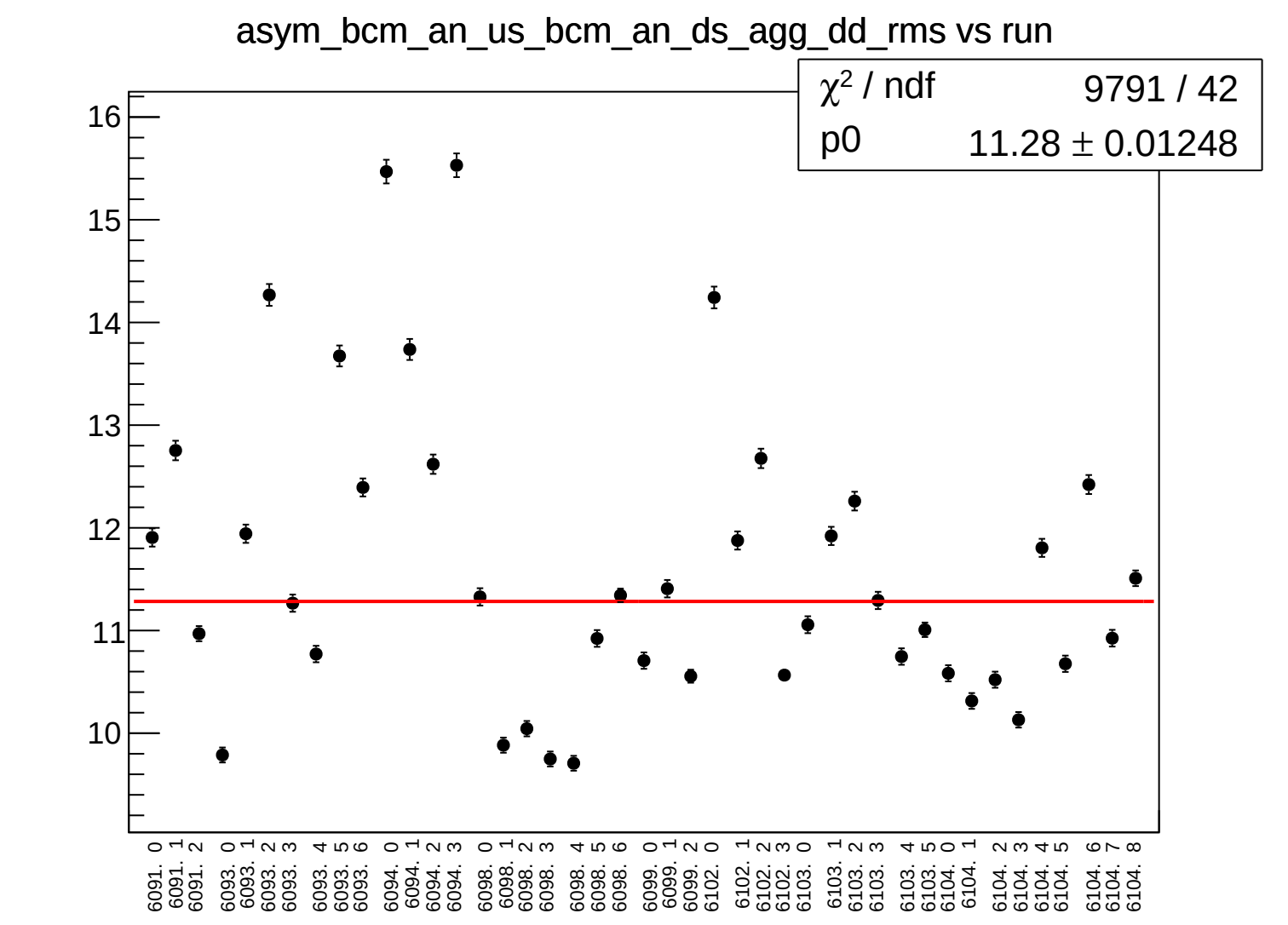

asym_bcm_an_us_ds3_avg_bcm_dg_ds_agg_dd_mean vs run
χ² / ndf 58.14 / 42
p0 27.49 ± 24.37
600
400
200
0
−200
−400
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 1.103
Std Dev 26.95
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 43
Mean 0.02341
Std Dev 1.163
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

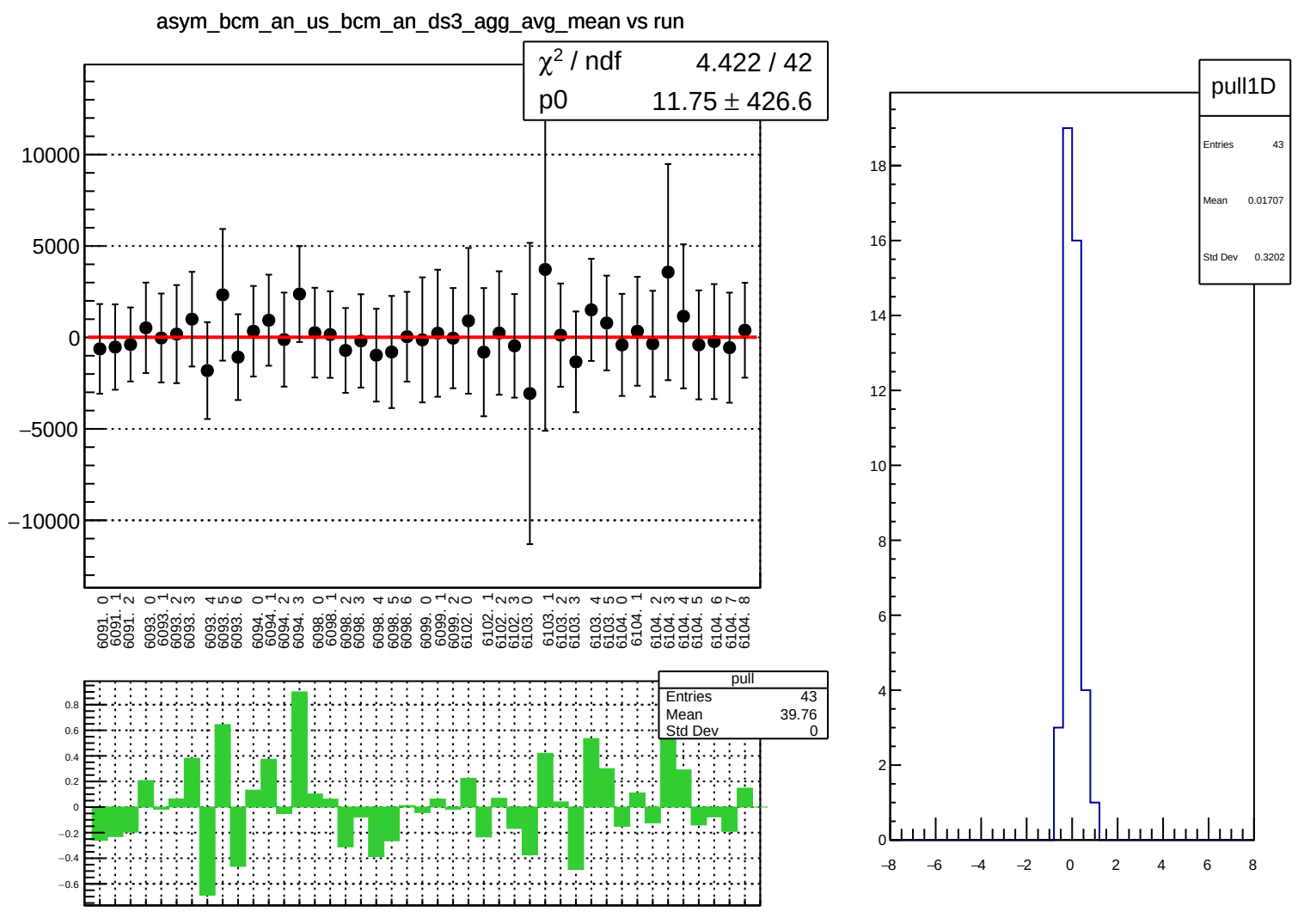

asym_bcm_an_us_ds3_avg_bcm_dg_ds_agg_dd_rms vs run
χ² / ndf 1503 / 42
p0 15.66 ± 0.01723
17
16.5
16
15.5
15
14.5
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

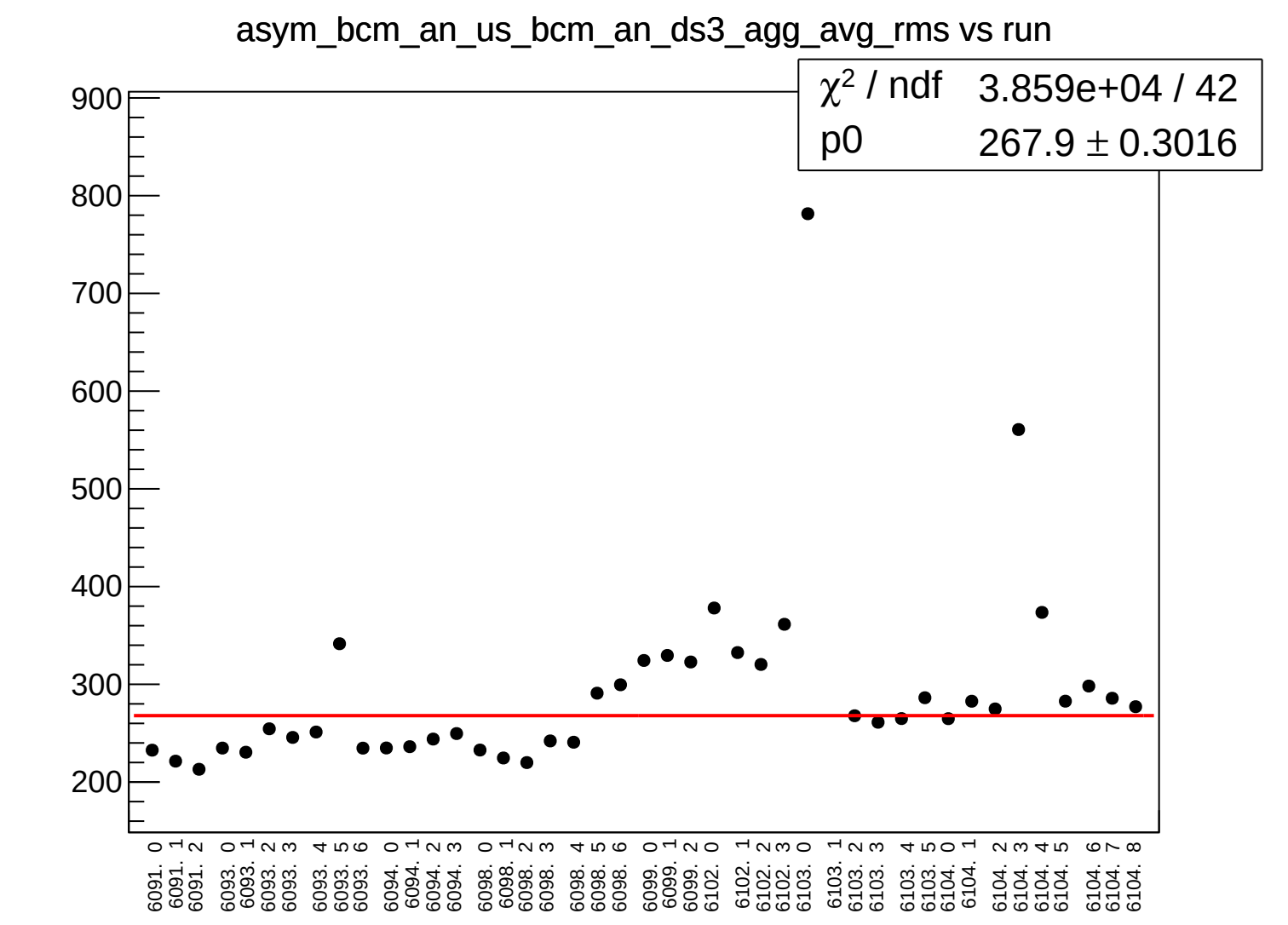

asym_bcm_an_us_ds3_avg_bcm_dg_us_agg_dd_mean vs run
χ² / ndf 56.04 / 42
p0 5.153 ± 32.68
pull
Entries 43
Mean −522.7
Std Dev 0
pull1D
Entries 43
Mean −0.006594
Std Dev 1.142

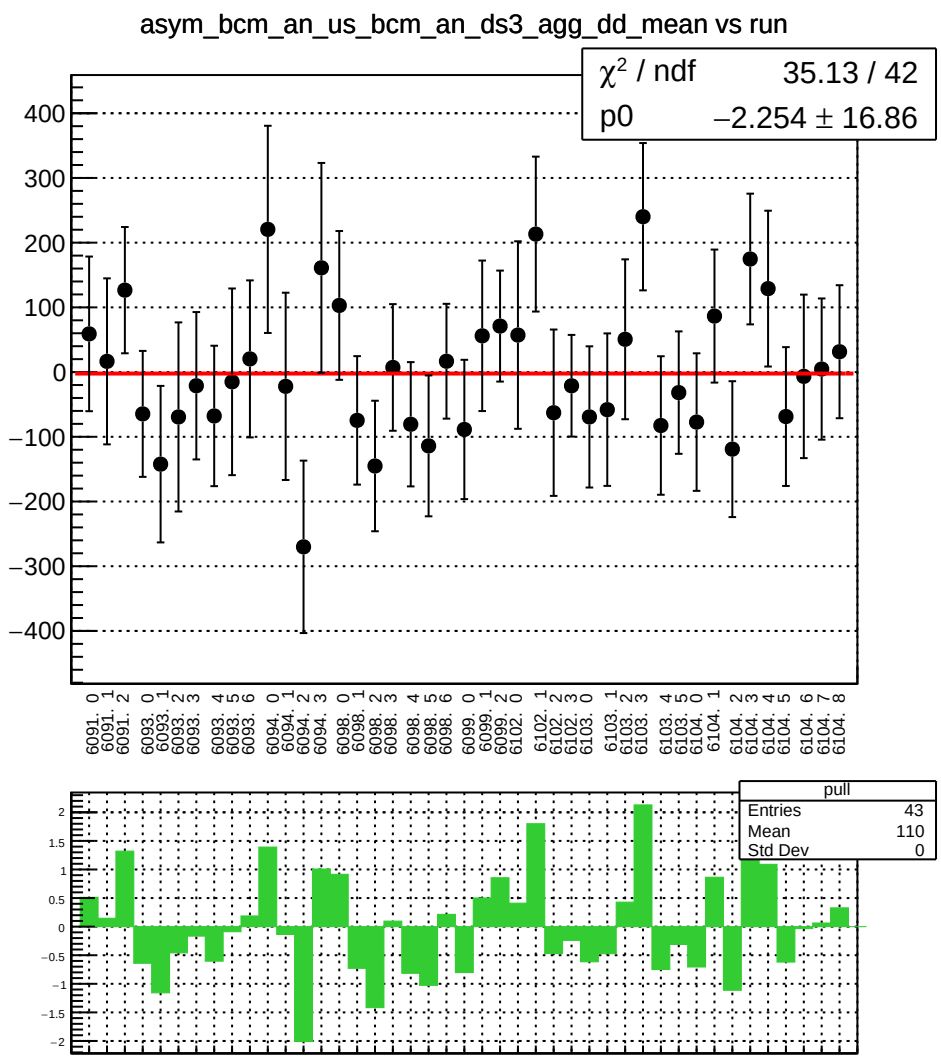

asym_bcm_an_us_ds3_avg_bcm_dg_us_agg_dd_rms vs run
χ² / ndf 286.2 / 42
p0 21.02 ± 0.02311
22
21.5
21
20.5
20
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

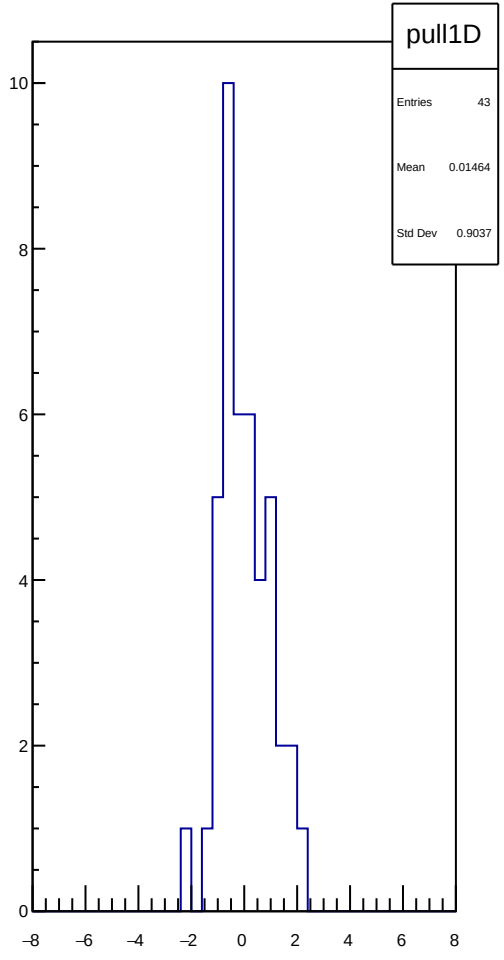

asym_bcm_an_us_bcm_an_ds_agg_dd_mean vs run
χ² / ndf 44.07 / 42
p0 −6.8 ± 17.64
400
200
0
−200
−400
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 97.76
Std Dev 0
2
1
0
−1
−2
pull1D
Entries 43
Mean 0.01801
Std Dev 1.012
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

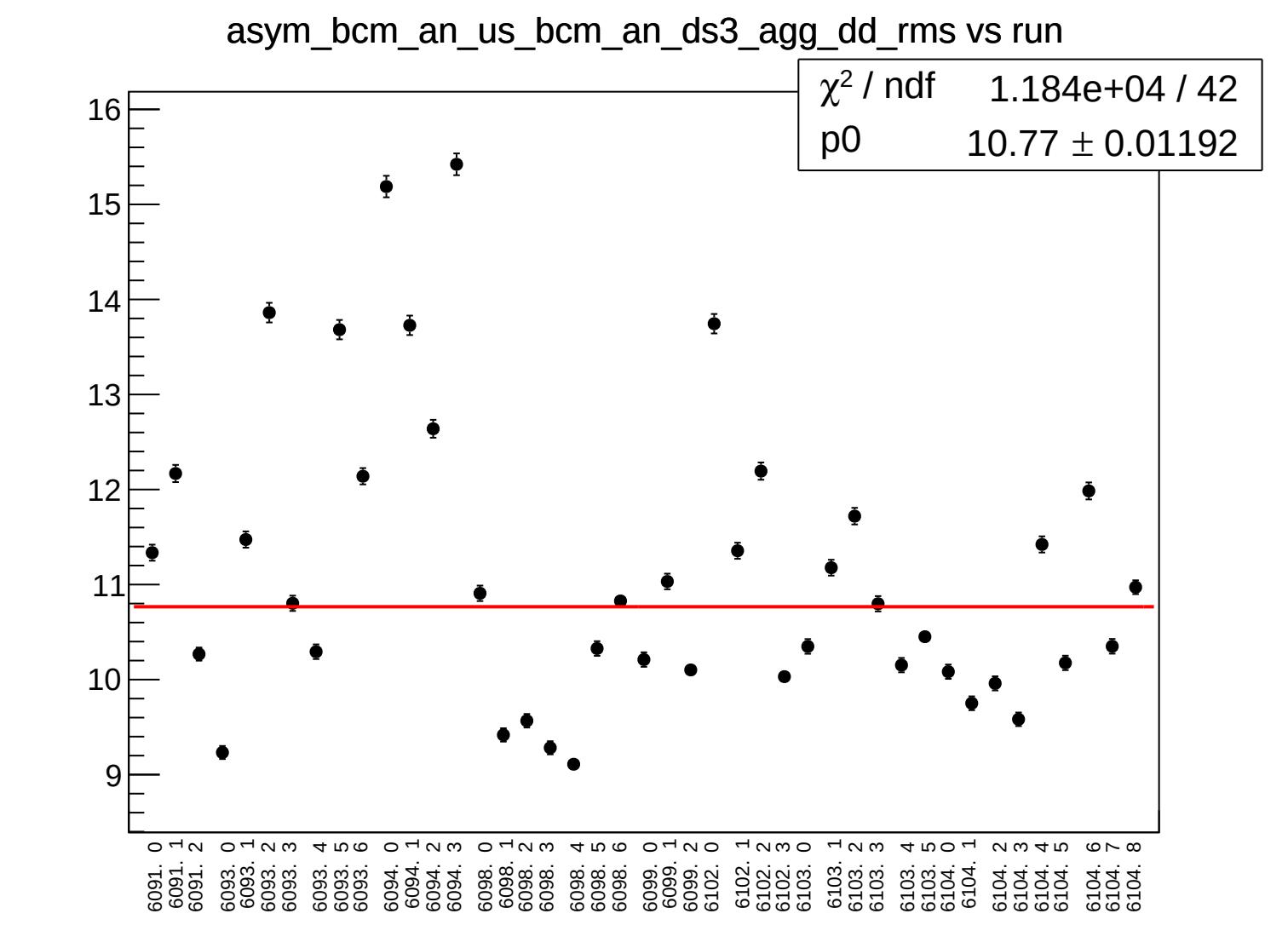

asym_bcm_an_us_bcm_an_ds_agg_dd_rms vs run
χ² / ndf 9791 / 42
p0 11.28 ± 0.01248
16
15
14
13
12
11
10
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

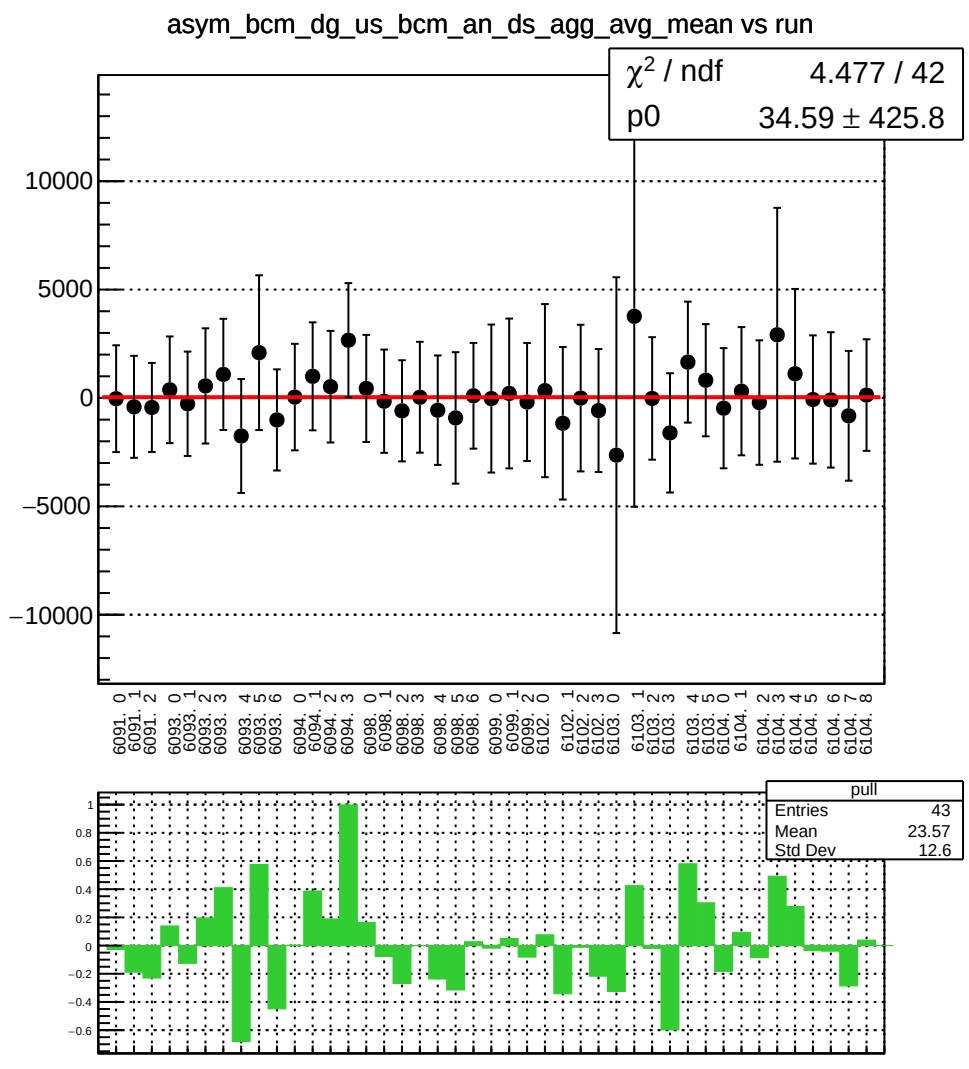

asym_bcm_an_us_bcm_an_ds3_agg_avg_mean vs run
χ² / ndf 4.422 / 42
p0 11.75 ± 426.6
10000
5000
0
−5000
−10000
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 39.76
Std Dev 0
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
pull1D
Entries 43
Mean 0.01707
Std Dev 0.3202
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

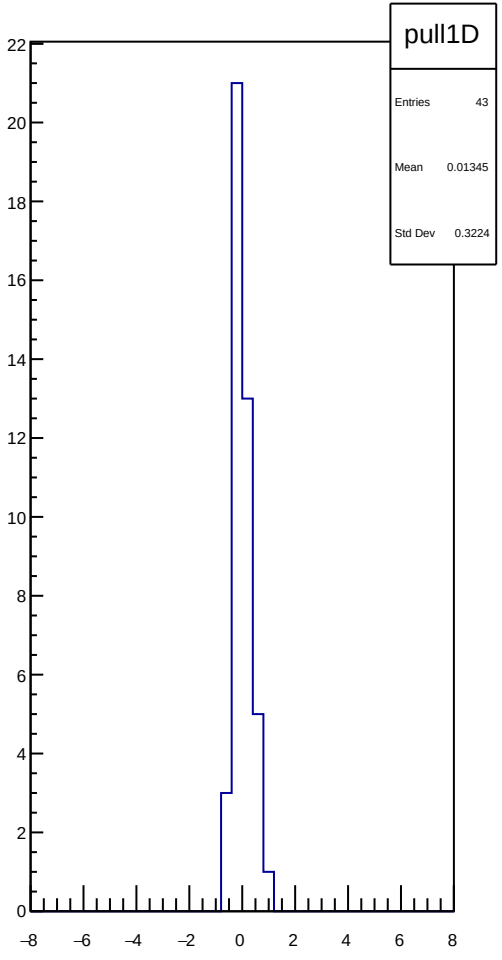

asym_bcm_an_us_bcm_an_ds3_agg_avg_rms vs run
χ² / ndf 3.859e+04 / 42
p0 267.9 ± 0.3016
900
800
700
600
500
400
300
200
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

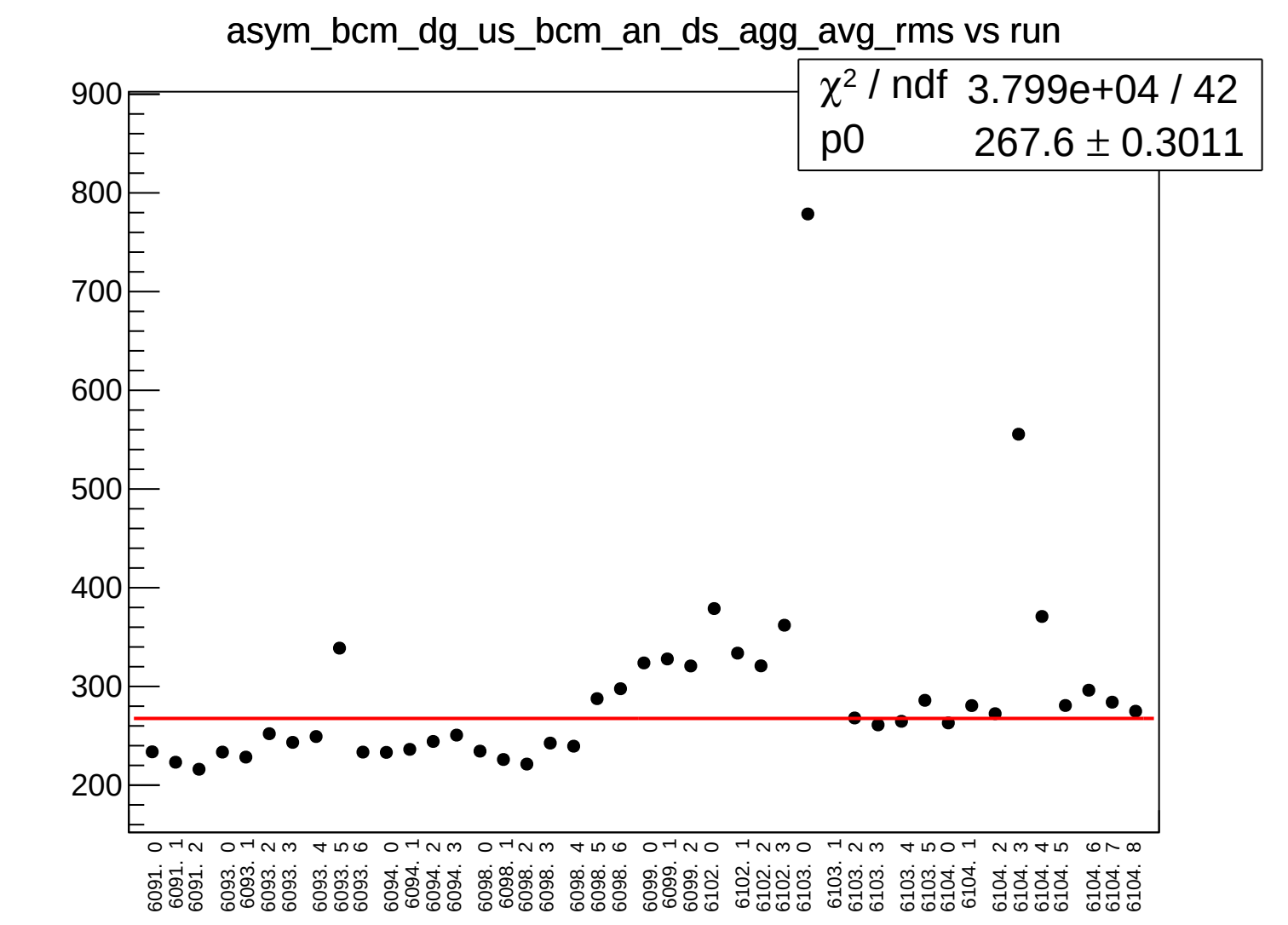

asym_bcm_an_us_bcm_an_ds3_agg_dd_mean vs run
χ² / ndf 35.13 / 42
p0 −2.254 ± 16.86
400
300
200
100
0
−100
−200
−300
−400
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 110
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

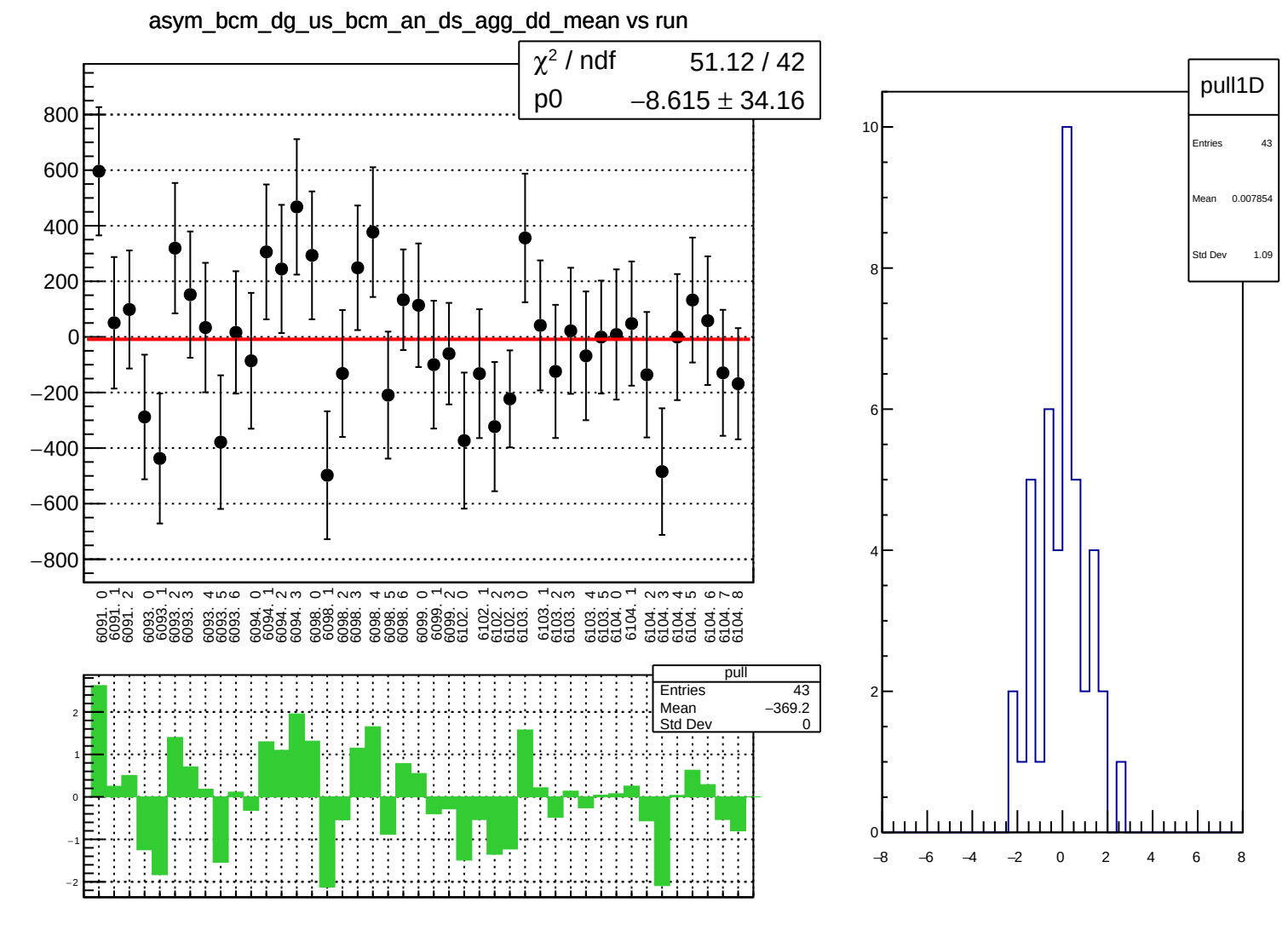

pull1D
Entries 43
Mean 0.01464
Std Dev 0.9037
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

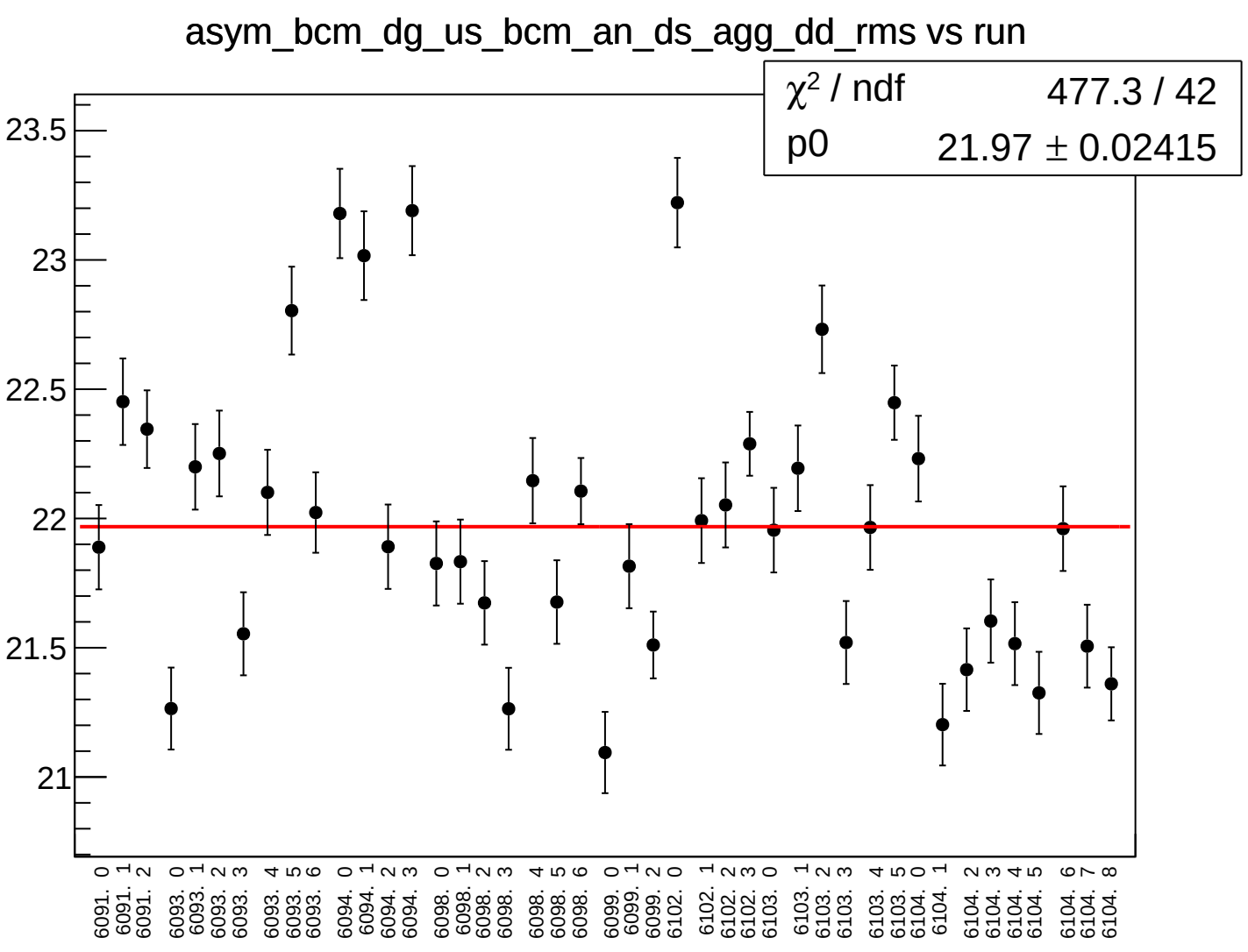

asym_bcm_an_us_bcm_an_ds3_agg_dd_rms vs run
χ² / ndf 1.184e+04 / 42
p0 10.77 ± 0.01192
16
15
14
13
12
11
10
9
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

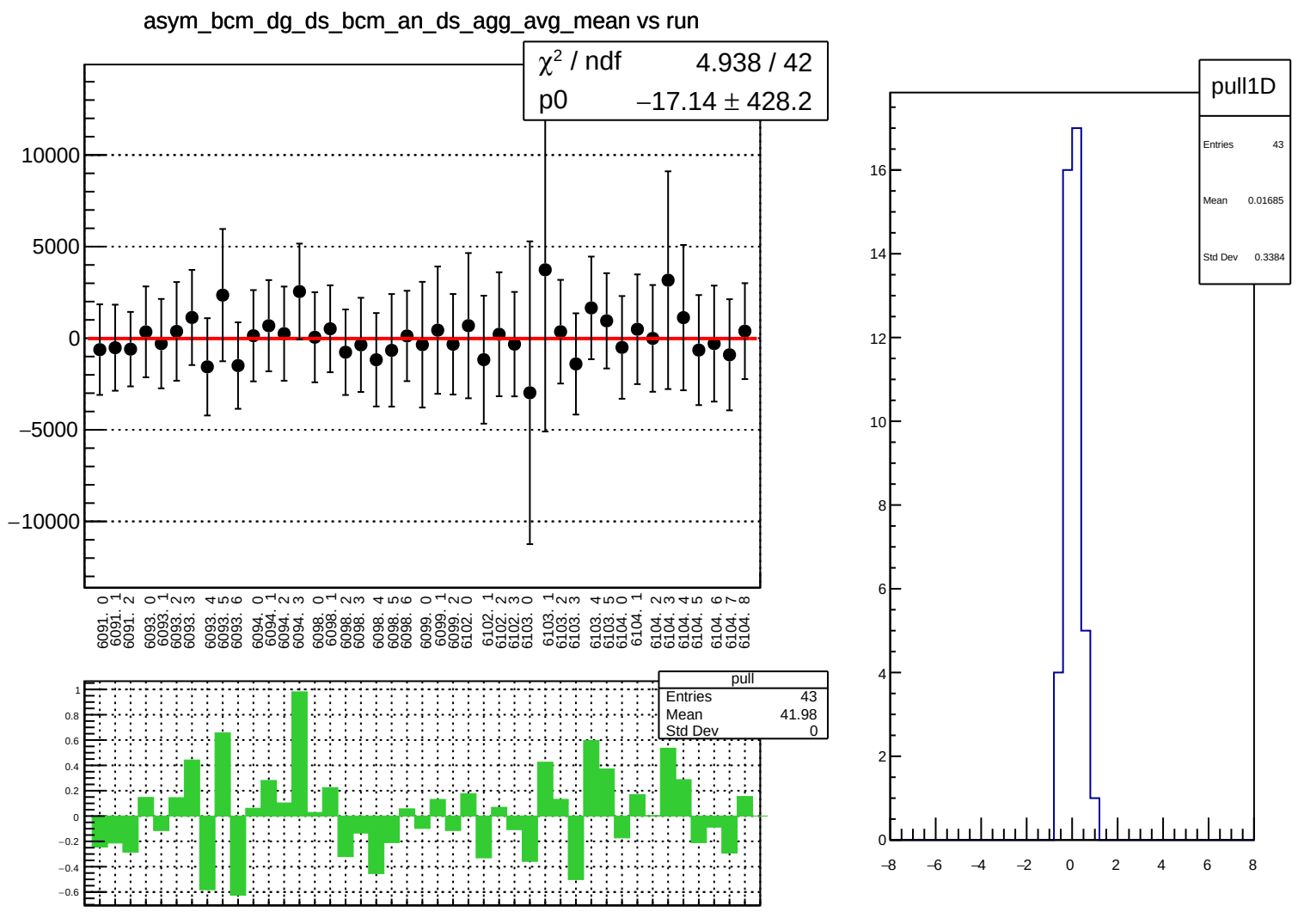

asym_bcm_dg_us_bcm_an_ds_agg_avg_mean vs run
χ² / ndf 4.477 / 42
p0 34.59 ± 425.8
10000
5000
0
−5000
−10000
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 23.57
Std Dev 12.6
1
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6

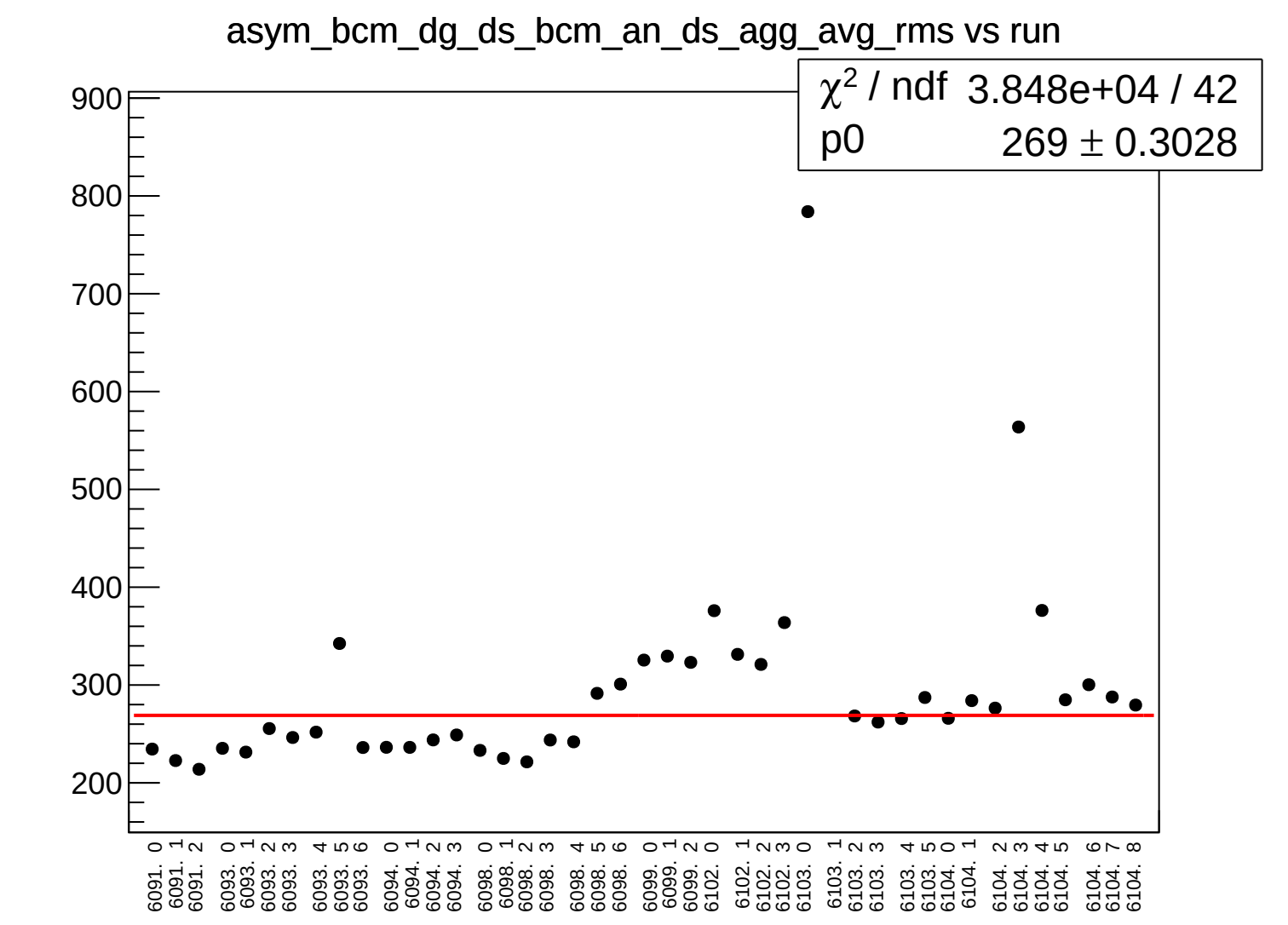

pull1D
Entries 43
Mean 0.01345
Std Dev 0.3224
22
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

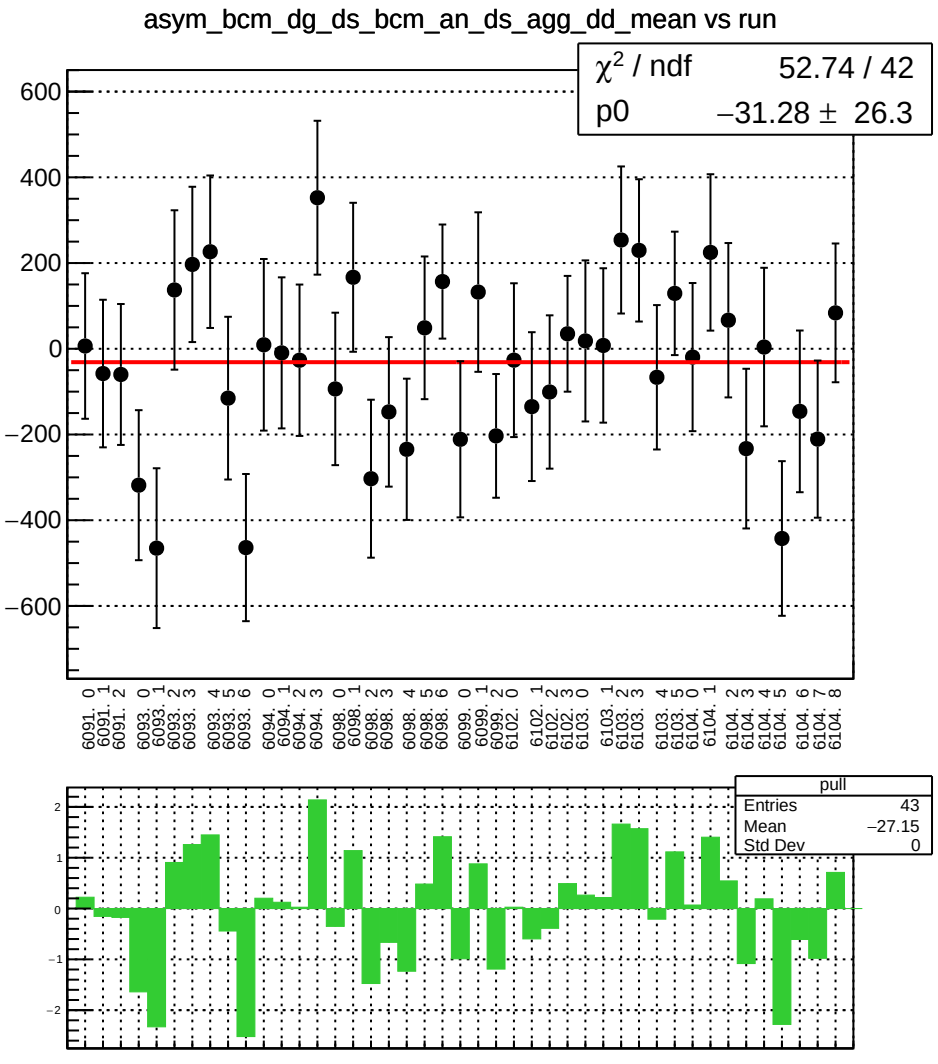

asym_bcm_dg_us_bcm_an_ds_agg_avg_rms vs run
χ² / ndf 3.799e+04 / 42
p0 267.6 ± 0.3011
900
800
700
600
500
400
300
200
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

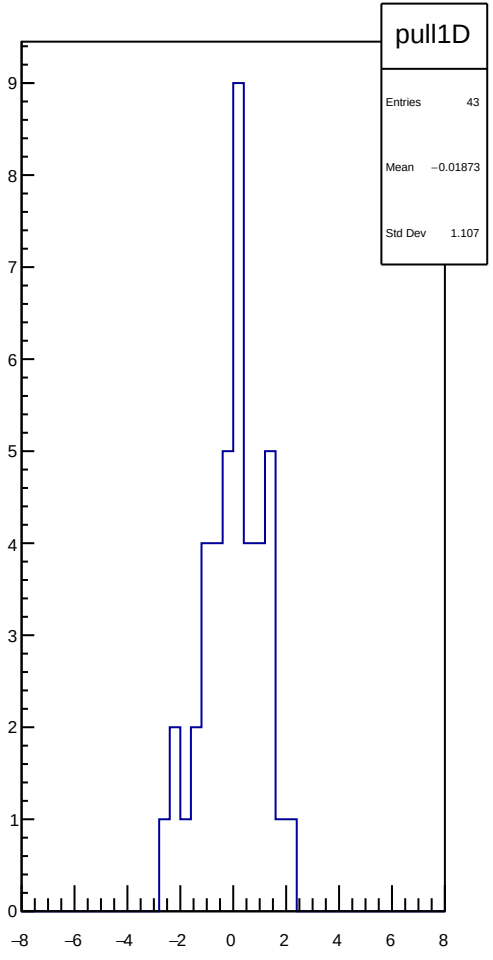

asym_bcm_dg_us_bcm_an_ds_agg_dd_mean vs run
χ² / ndf 51.12 / 42
p0 −8.615 ± 34.16
pull
Entries 43
Mean −369.2
Std Dev 0
pull1D
Entries 43
Mean 0.007854
Std Dev 1.09

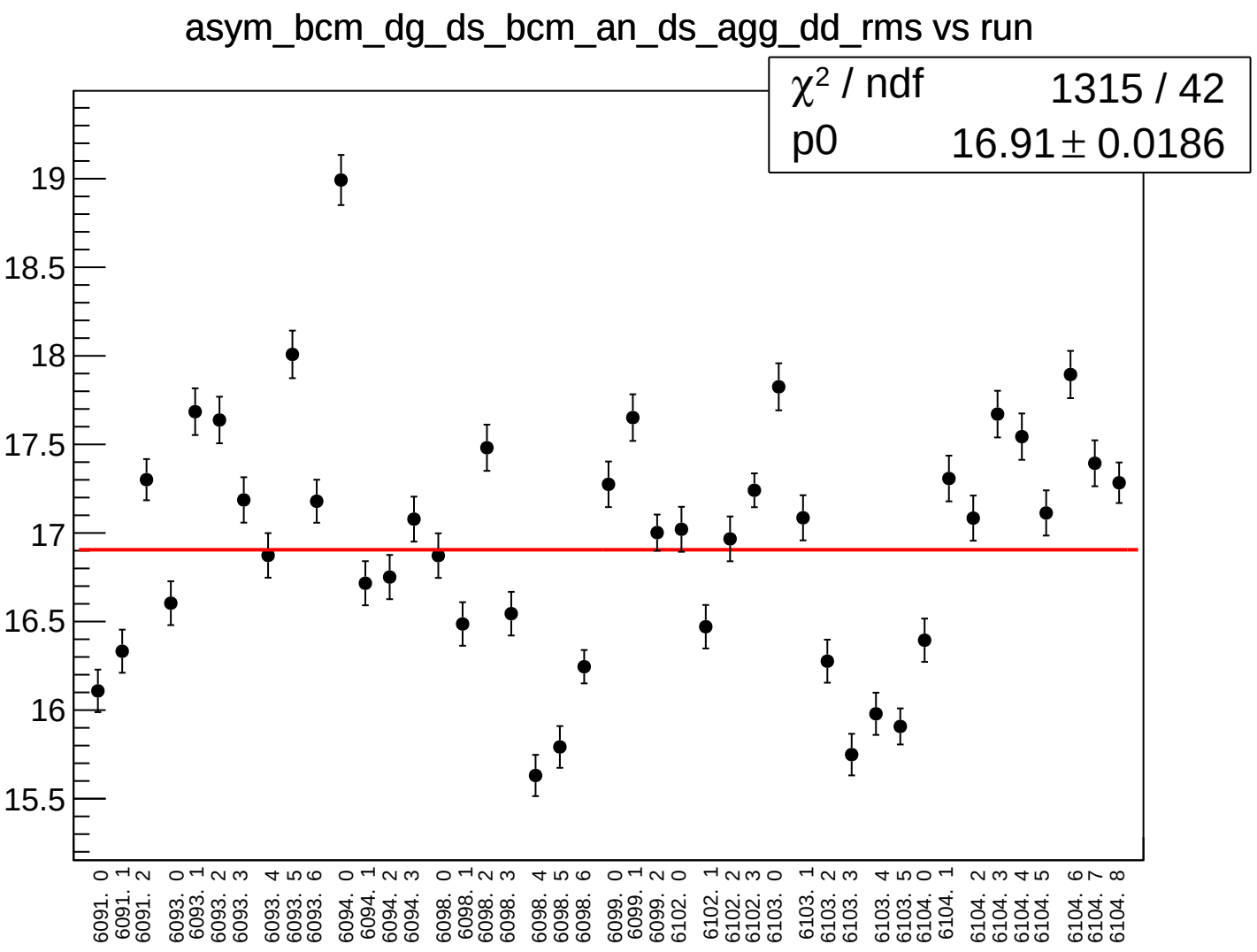

asym_bcm_dg_us_bcm_an_ds_agg_dd_rms vs run
χ² / ndf 477.3 / 42
p0 21.97 ± 0.02415
23.5
23
22.5
22
21.5
21
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

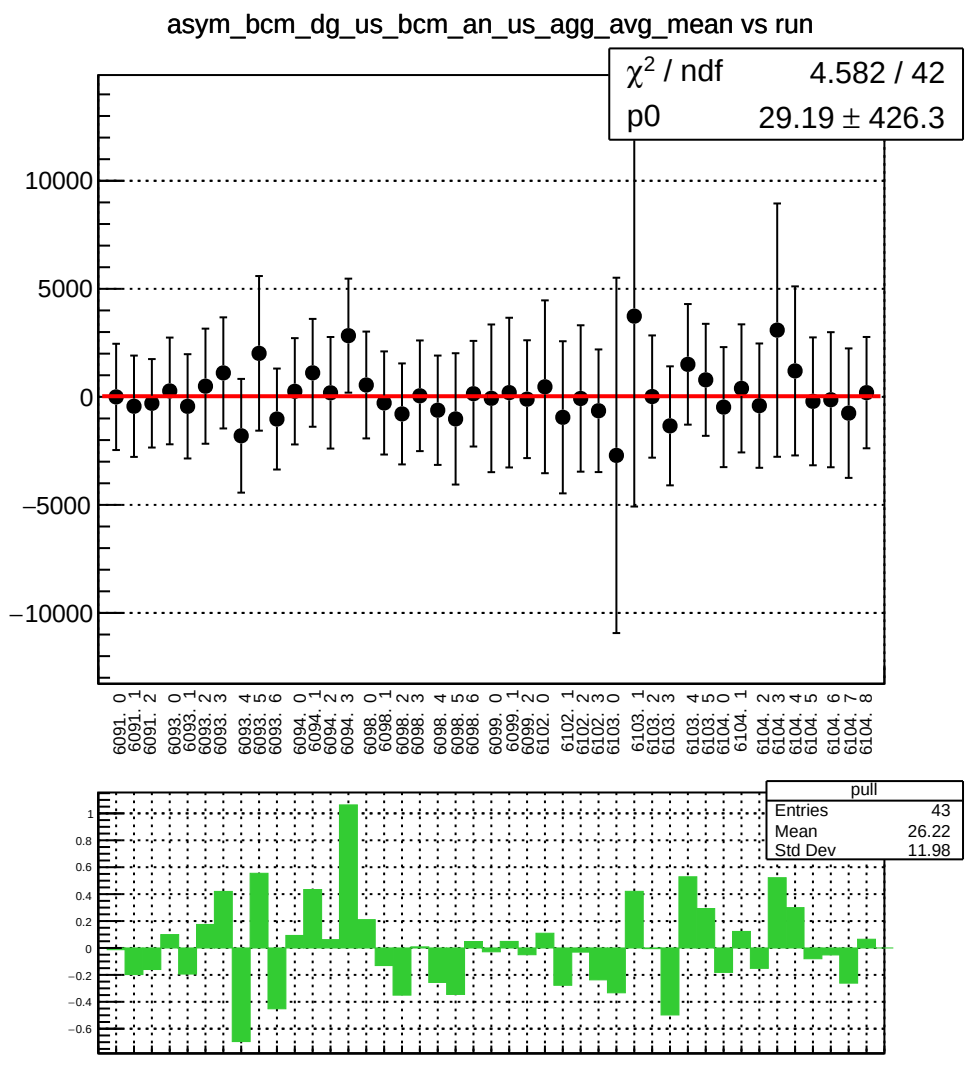

asym_bcm_dg_ds_bcm_an_ds_agg_avg_mean vs run
χ² / ndf 4.938 / 42
p0 −17.14 ± 428.2
10000
5000
0
−5000
−10000
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 41.98
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
pull1D
Entries 43
Mean 0.01685
Std Dev 0.3384
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

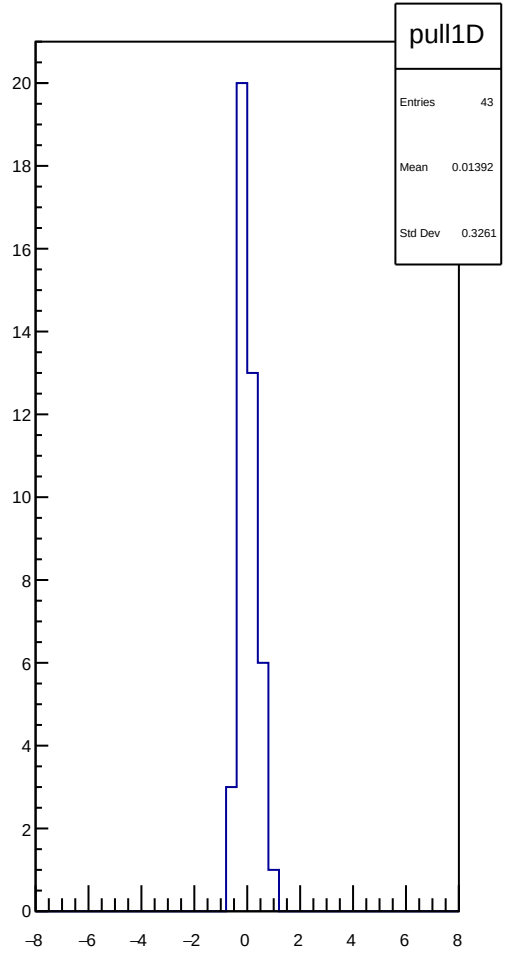

asym_bcm_dg_ds_bcm_an_ds_agg_avg_rms vs run
χ² / ndf 3.848e+04 / 42
p0 269 ± 0.3028
900
800
700
600
500
400
300
200
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

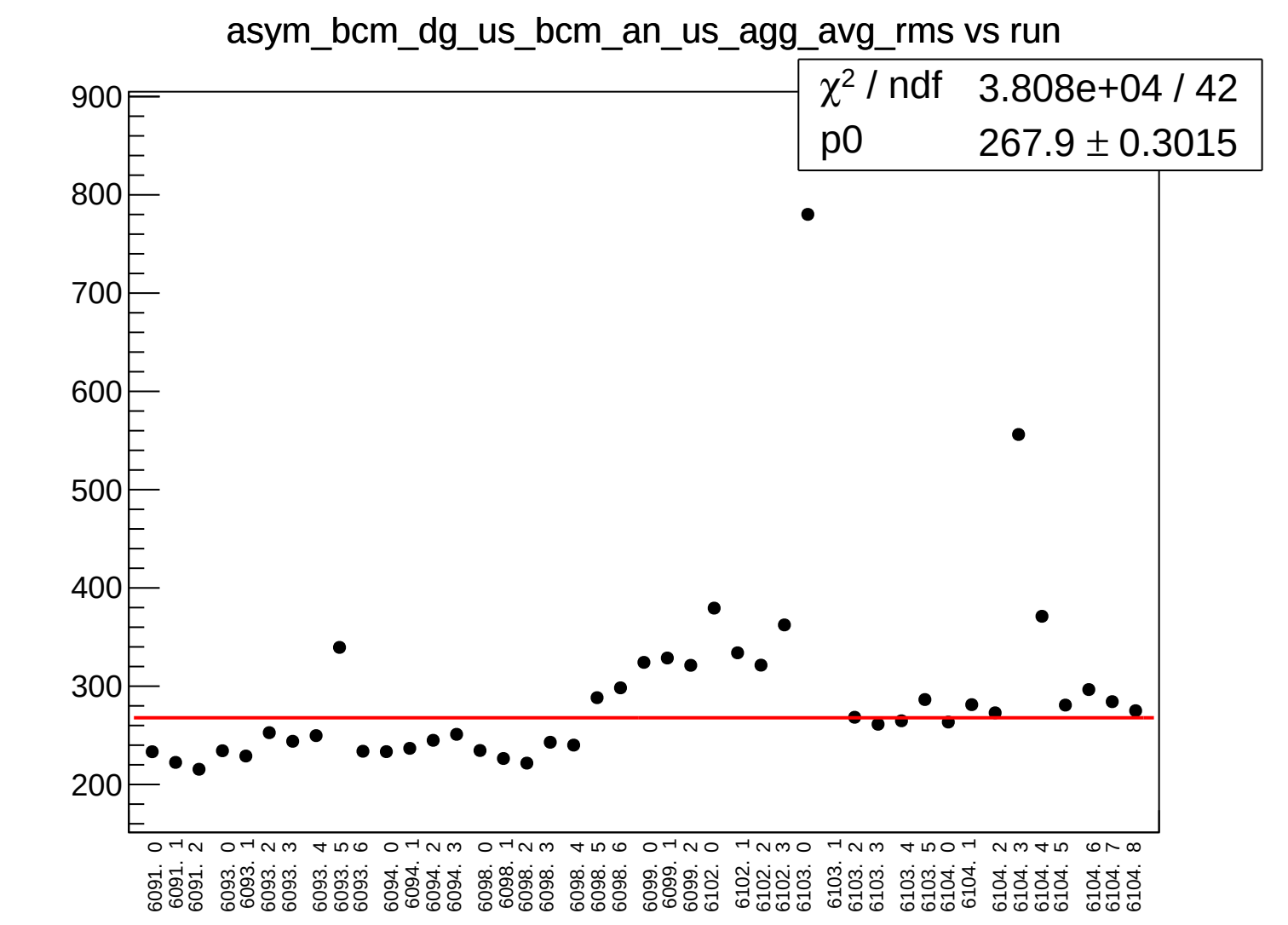

asym_bcm_dg_ds_bcm_an_ds_agg_dd_mean vs run
χ² / ndf 52.74 / 42
p0 −31.28 ± 26.3
600
400
200
0
−200
−400
−600
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean −27.15
Std Dev 0
2
1
0
−1
−2

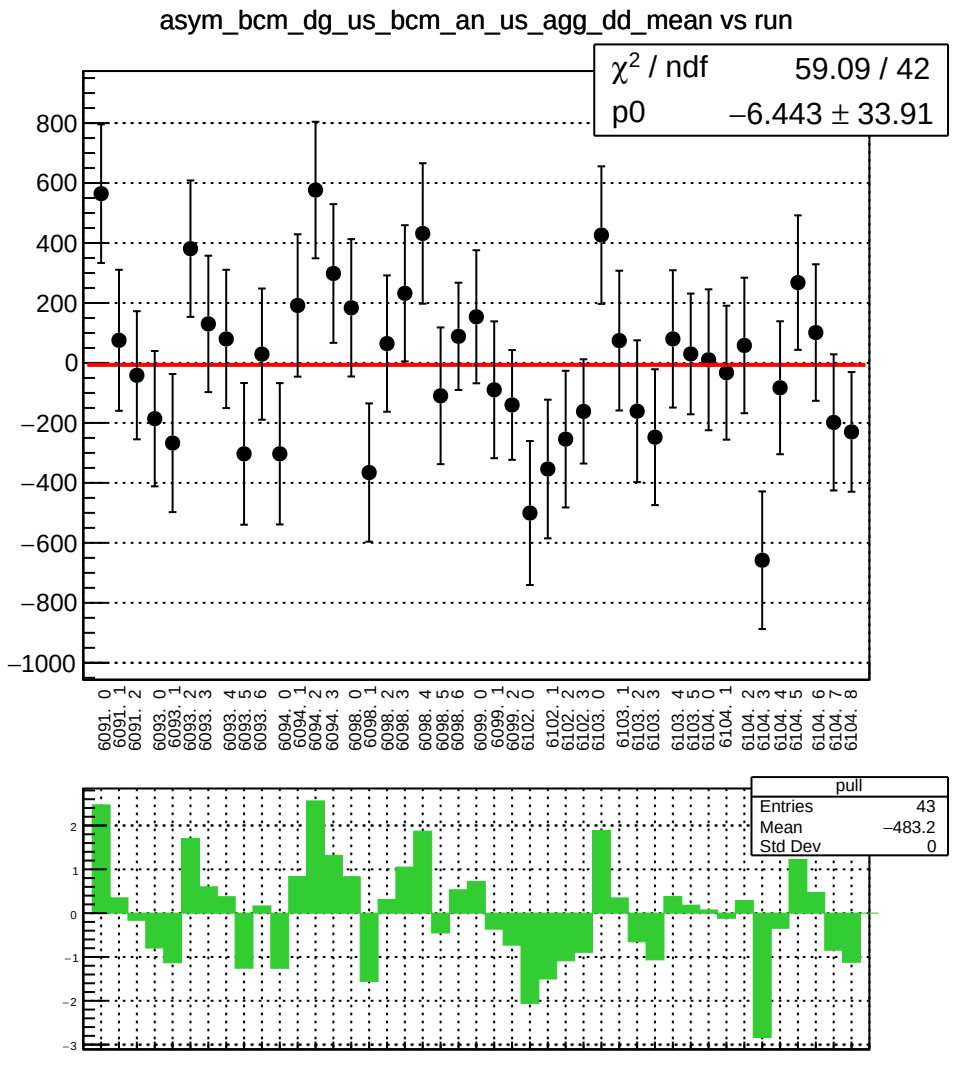

pull1D
Entries 43
Mean −0.01873
Std Dev 1.107
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

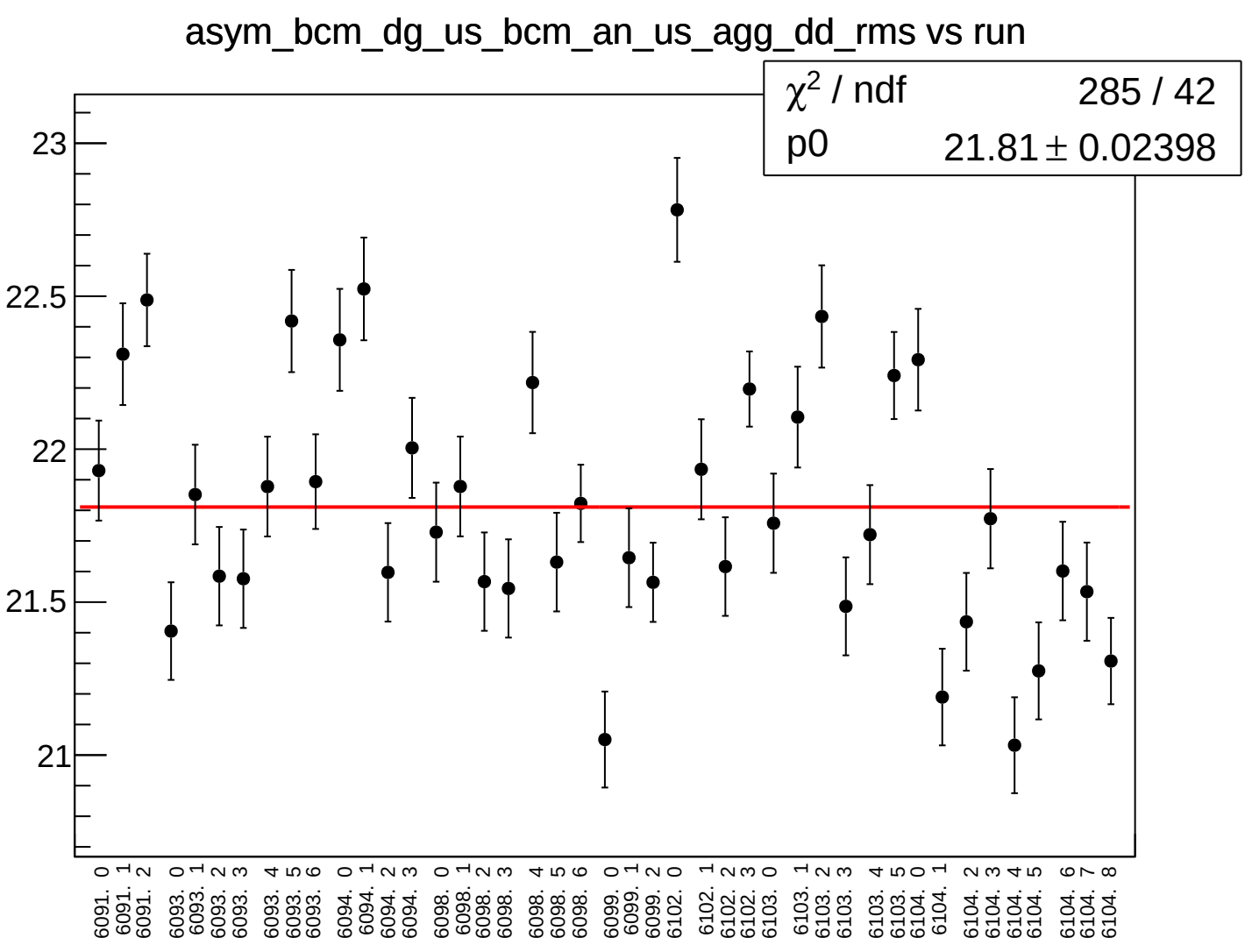

asym_bcm_dg_ds_bcm_an_ds_agg_dd_rms vs run
χ² / ndf 1315 / 42
p0 16.91 ± 0.0186
19
18.5
18
17.5
17
16.5
16
15.5
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

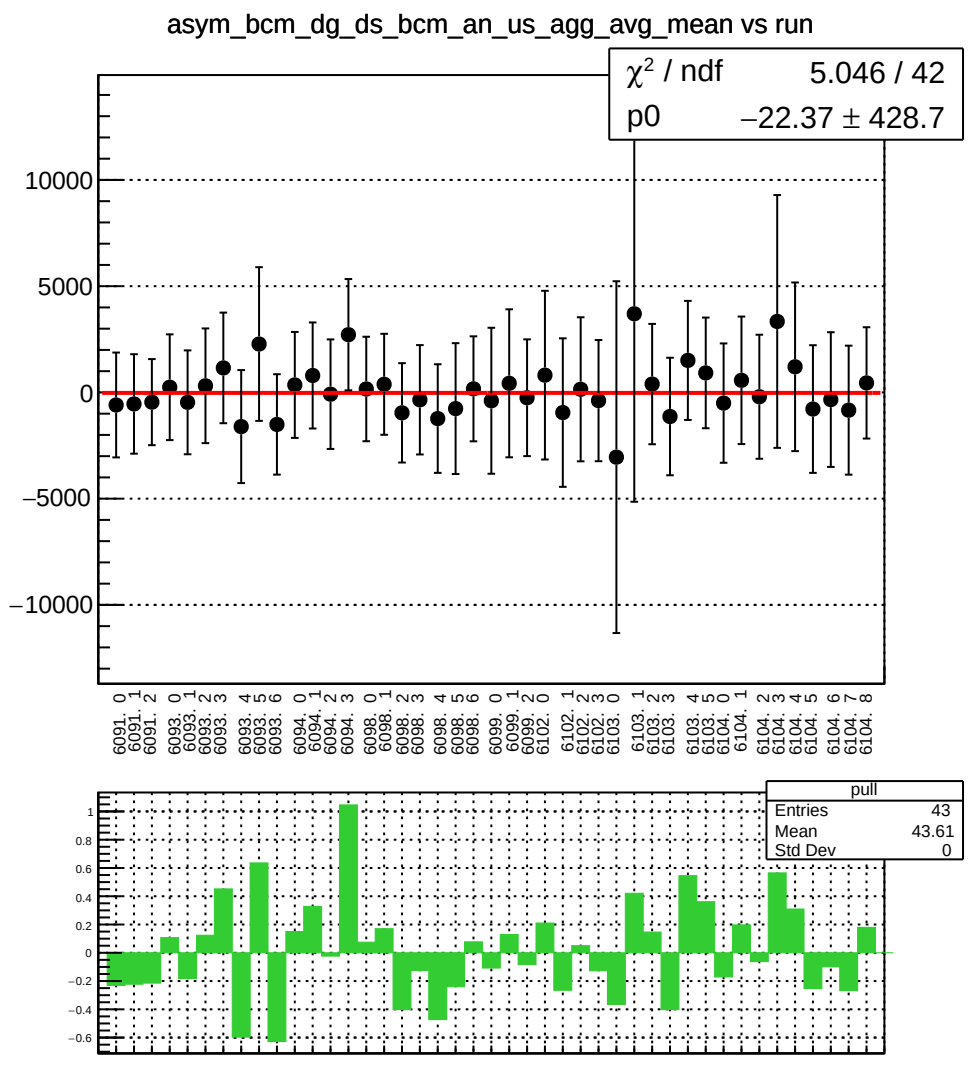

asym_bcm_dg_us_bcm_an_us_agg_avg_mean vs run
χ² / ndf 4.582 / 42
p0 29.19 ± 426.3
10000
5000
0
−5000
−10000
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 26.22
Std Dev 11.98
1
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6

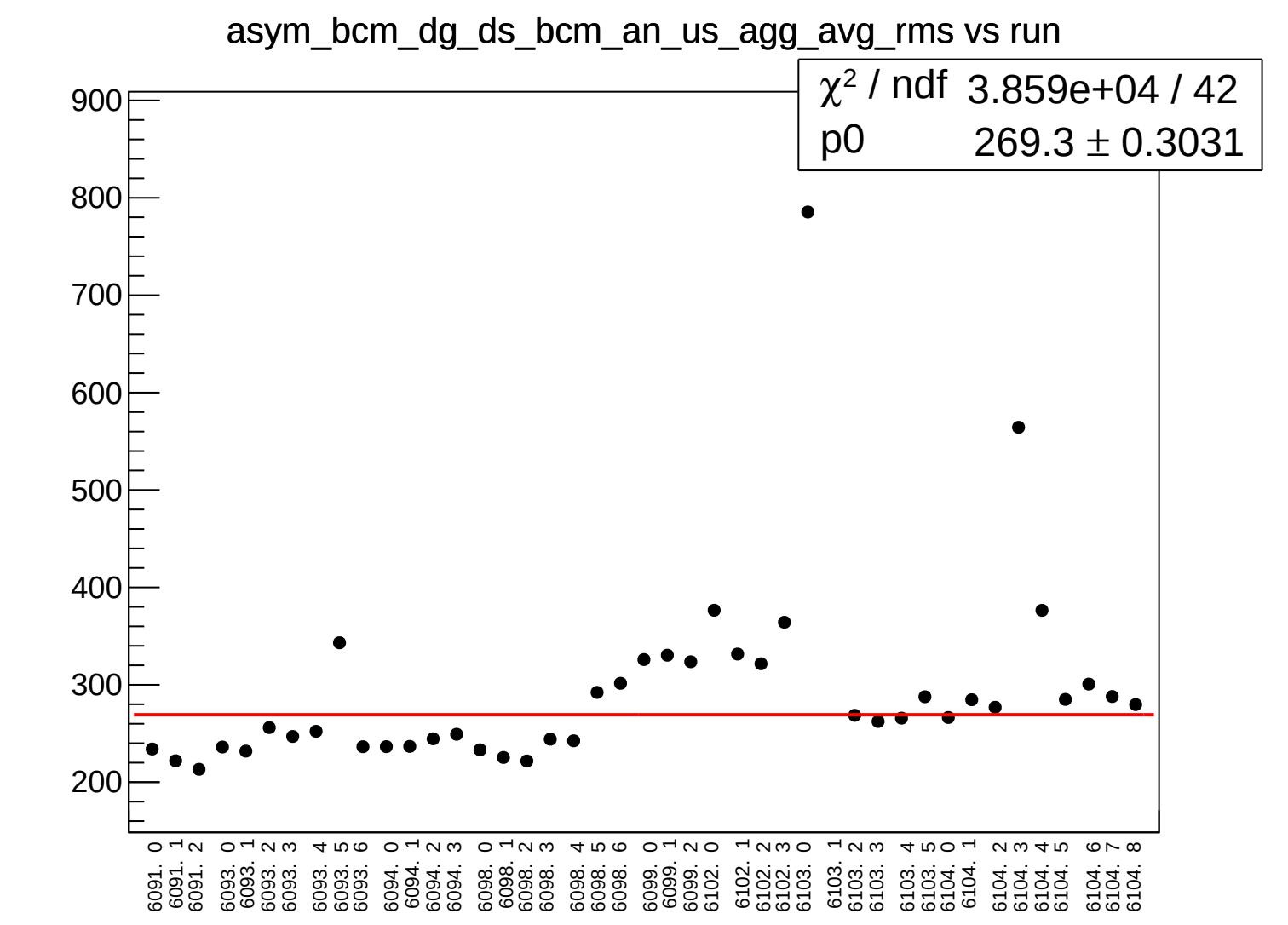

pull1D
Entries 43
Mean 0.01392
Std Dev 0.3261
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

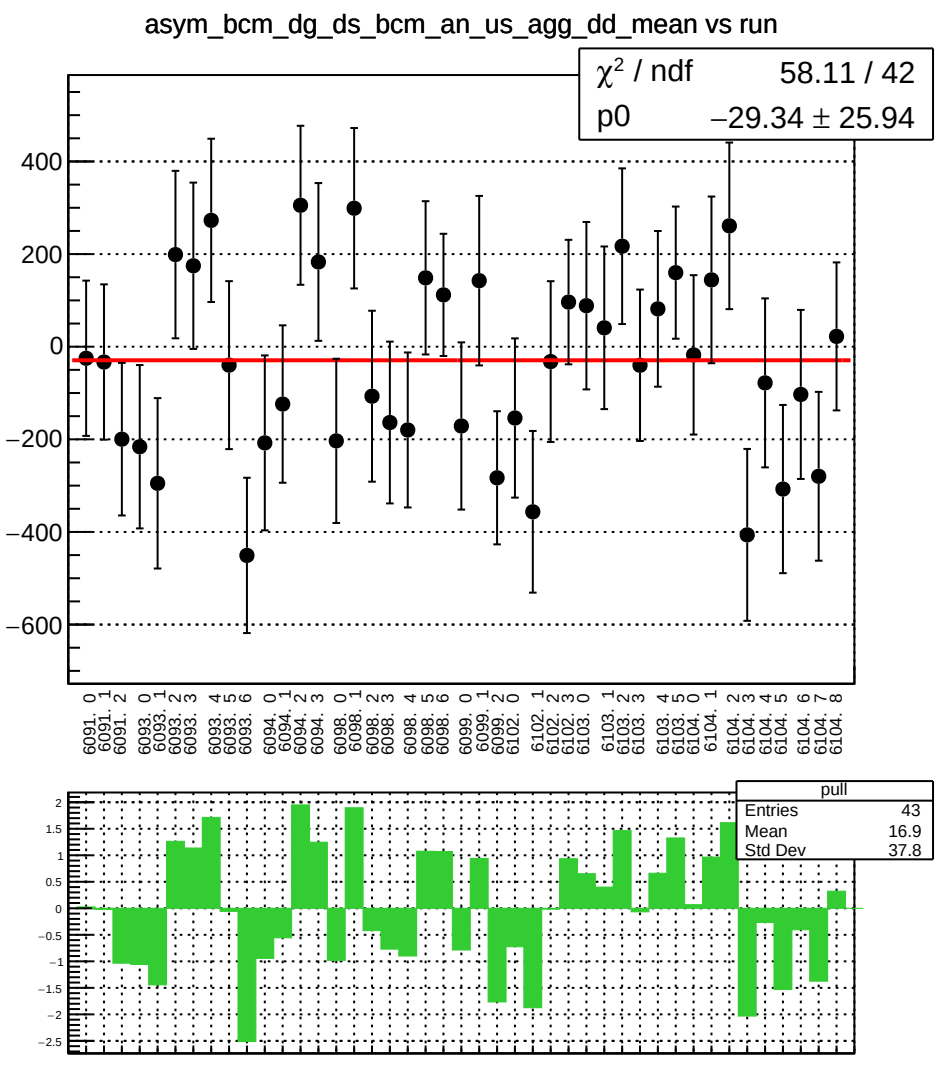

asym_bcm_dg_us_bcm_an_us_agg_avg_rms vs run
χ² / ndf 3.808e+04 / 42
p0 267.9 ± 0.3015
900
800
700
600
500
400
300
200
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

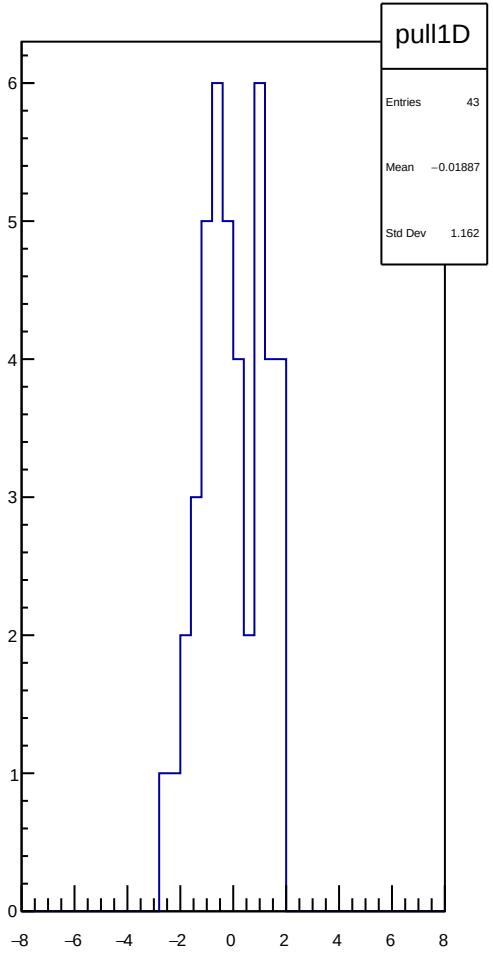

asym_bcm_dg_us_bcm_an_us_agg_dd_mean vs run
χ² / ndf 59.09 / 42
p0 −6.443 ± 33.91
pull
Entries 43
Mean −483.2
Std Dev 0
pull1D
Entries 43
Mean 0.00742
Std Dev 1.172

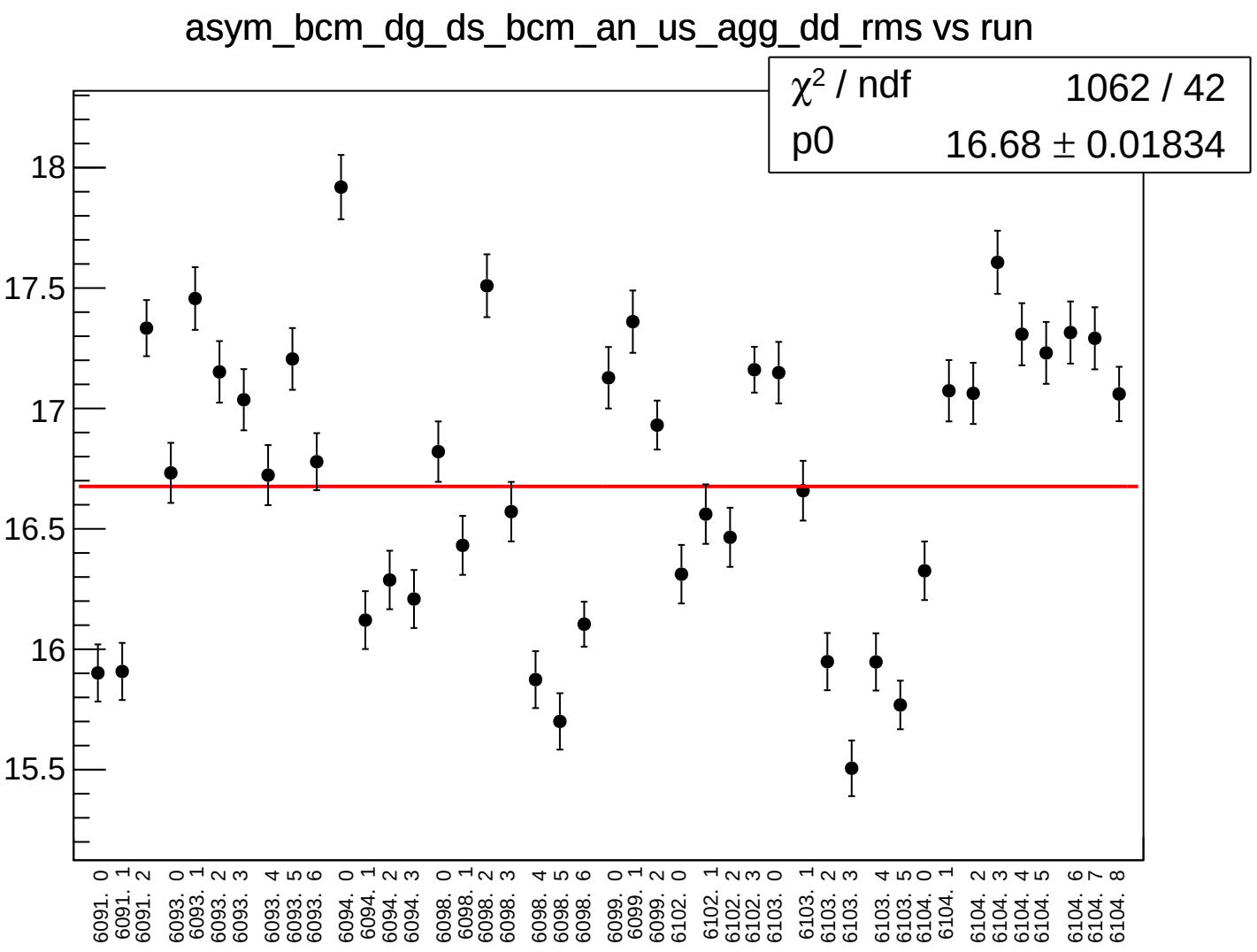

asym_bcm_dg_us_bcm_an_us_agg_dd_rms vs run
χ² / ndf 285 / 42
p0 21.81 ± 0.02398
23
22.5
22
21.5
21
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

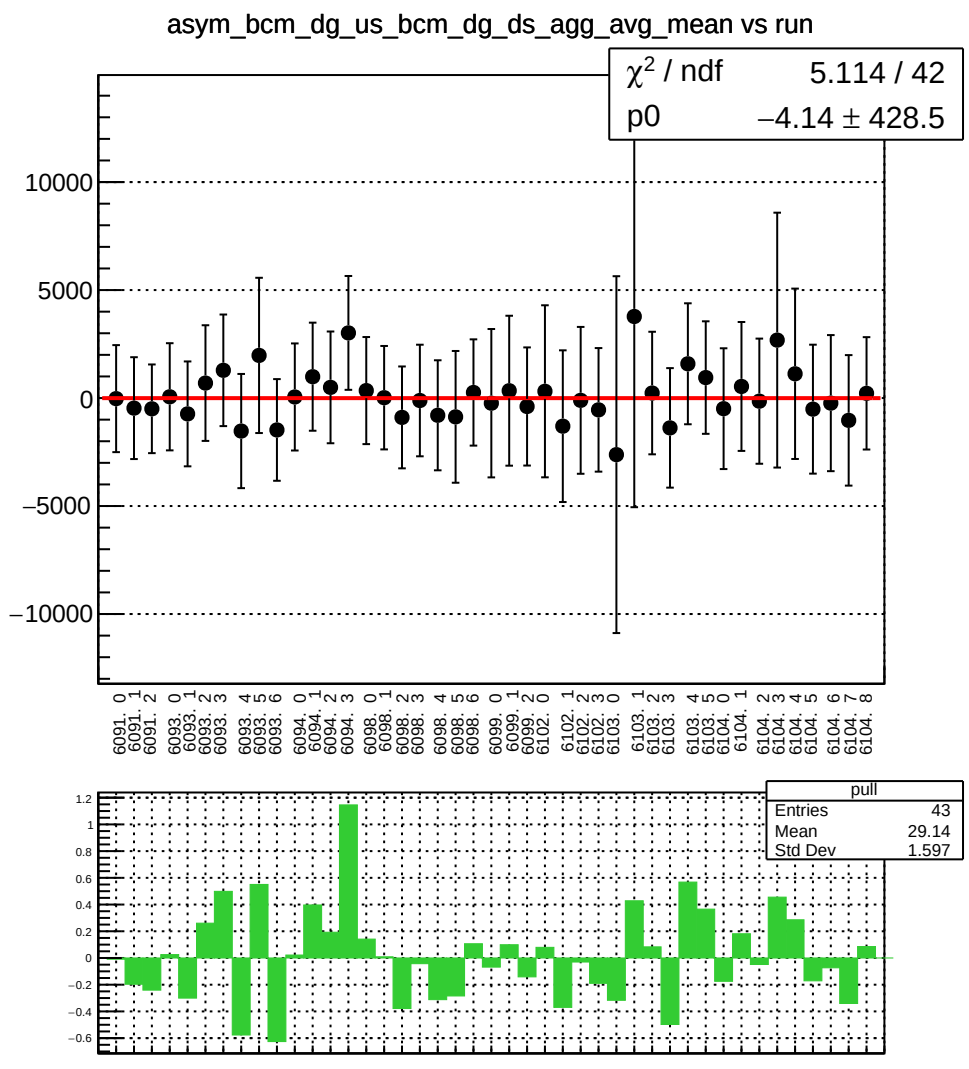

asym_bcm_dg_ds_bcm_an_us_agg_avg_mean vs run
χ² / ndf 5.046 / 42
p0 −22.37 ± 428.7
10000
5000
0
−5000
−10000
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 43.61
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
pull1D
Entries 43
Mean 0.01728
Std Dev 0.3421
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

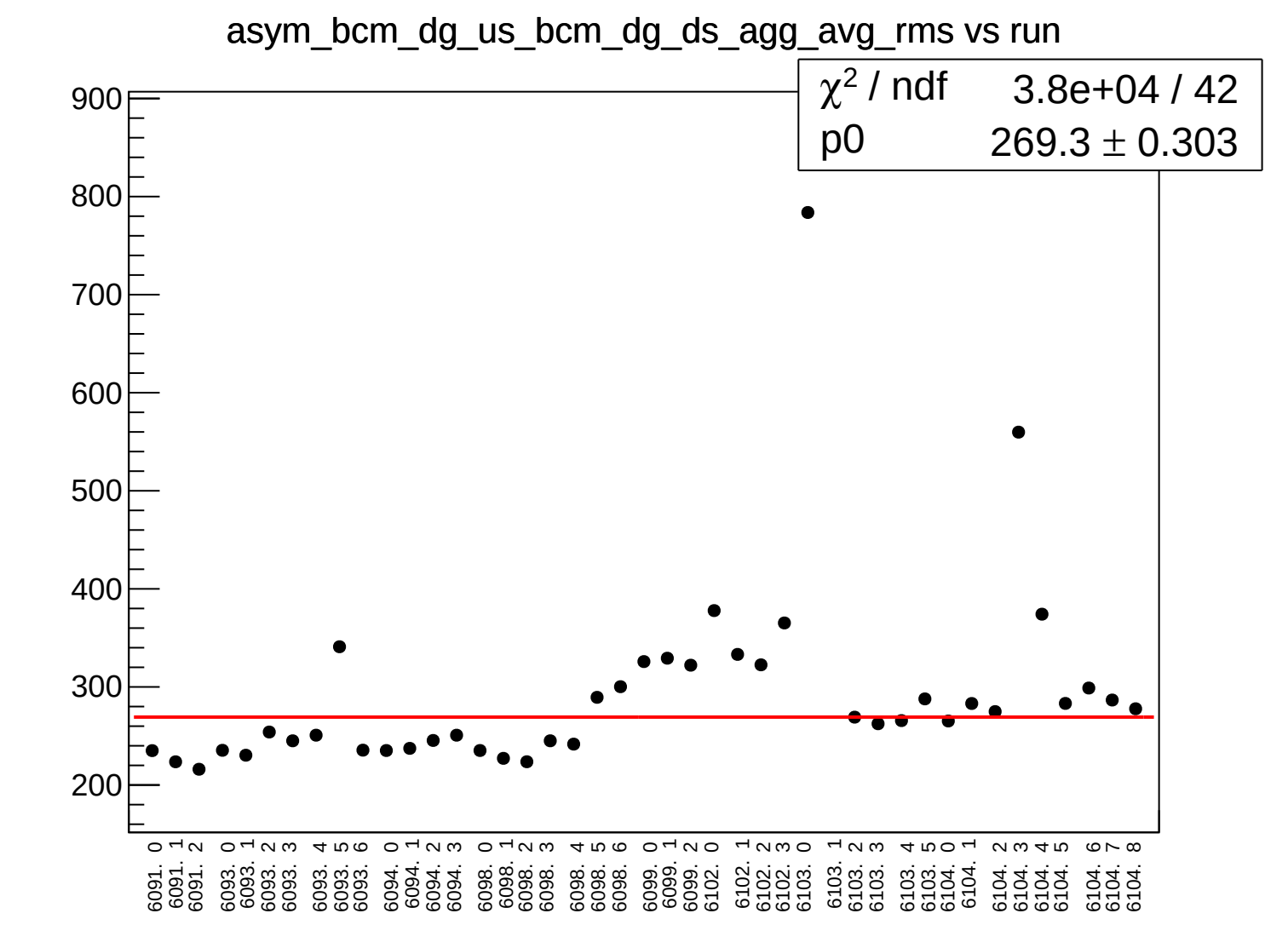

asym_bcm_dg_ds_bcm_an_us_agg_avg_rms vs run
χ² / ndf 3.859e+04 / 42
p0 269.3 ± 0.3031
900
800
700
600
500
400
300
200
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

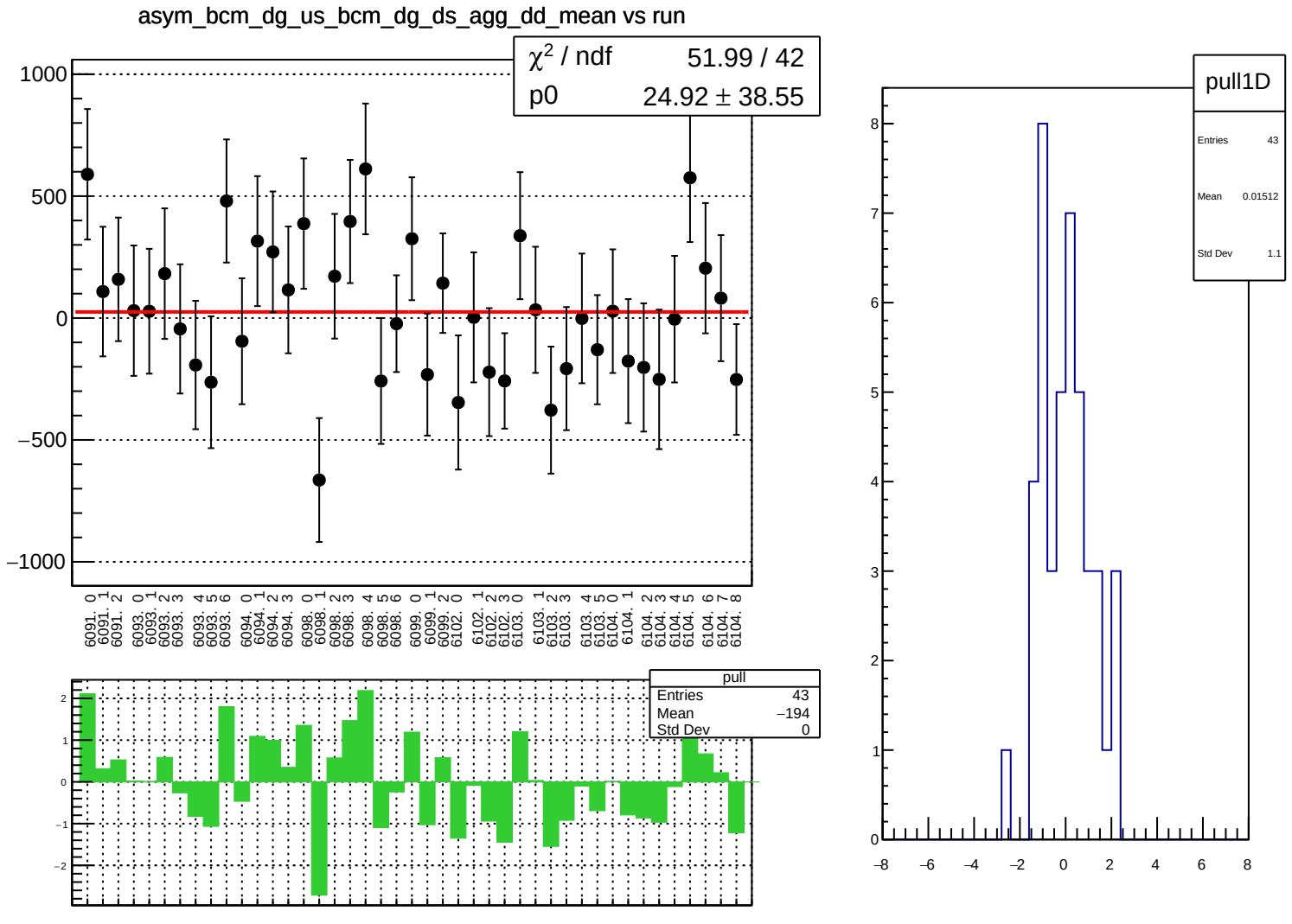

asym_bcm_dg_ds_bcm_an_us_agg_dd_mean vs run
χ² / ndf 58.11 / 42
p0 −29.34 ± 25.94
400
200
0
−200
−400
−600
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 16.9
Std Dev 37.8
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

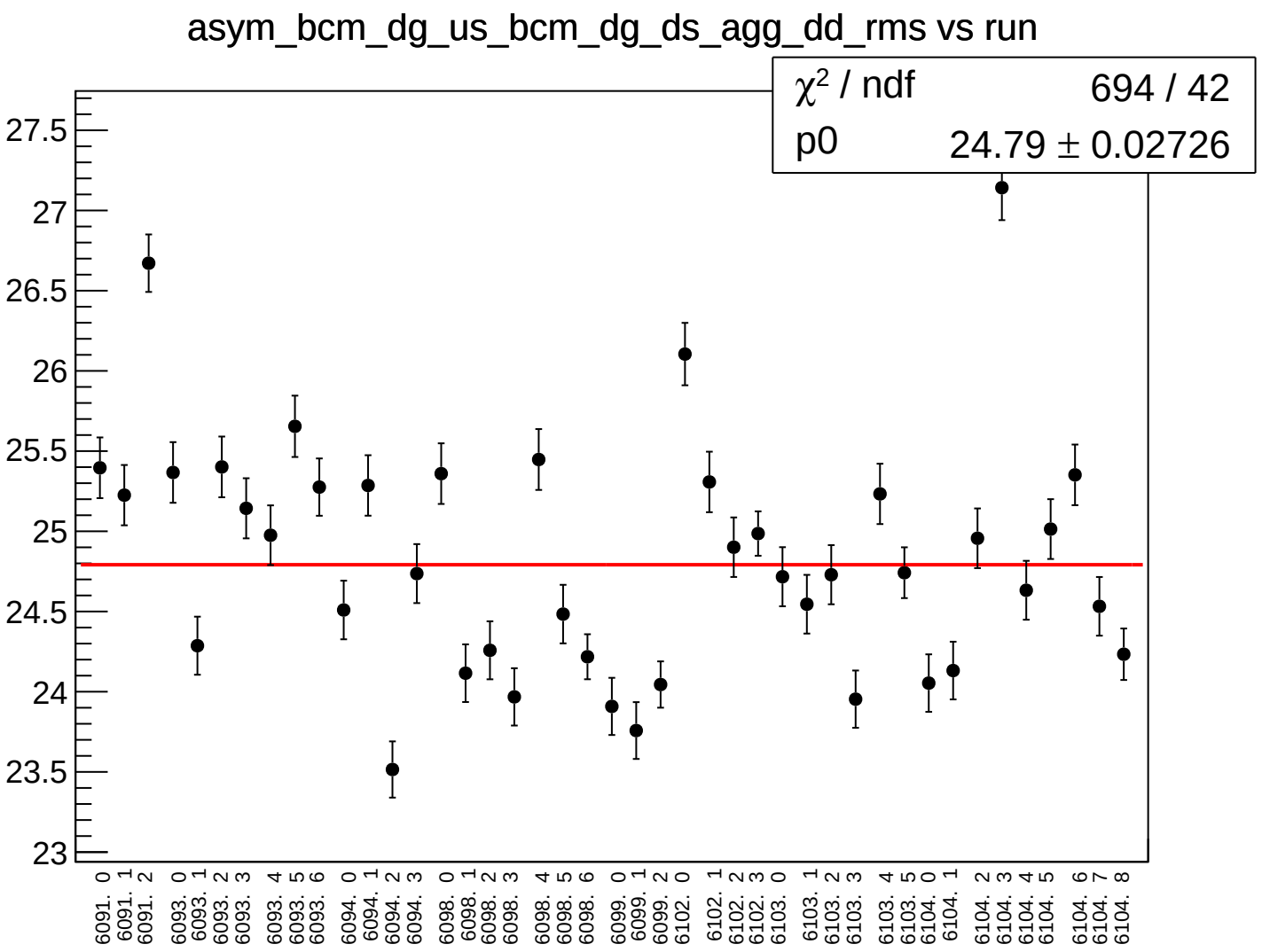

pull1D
Entries 43
Mean −0.01887
Std Dev 1.162
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

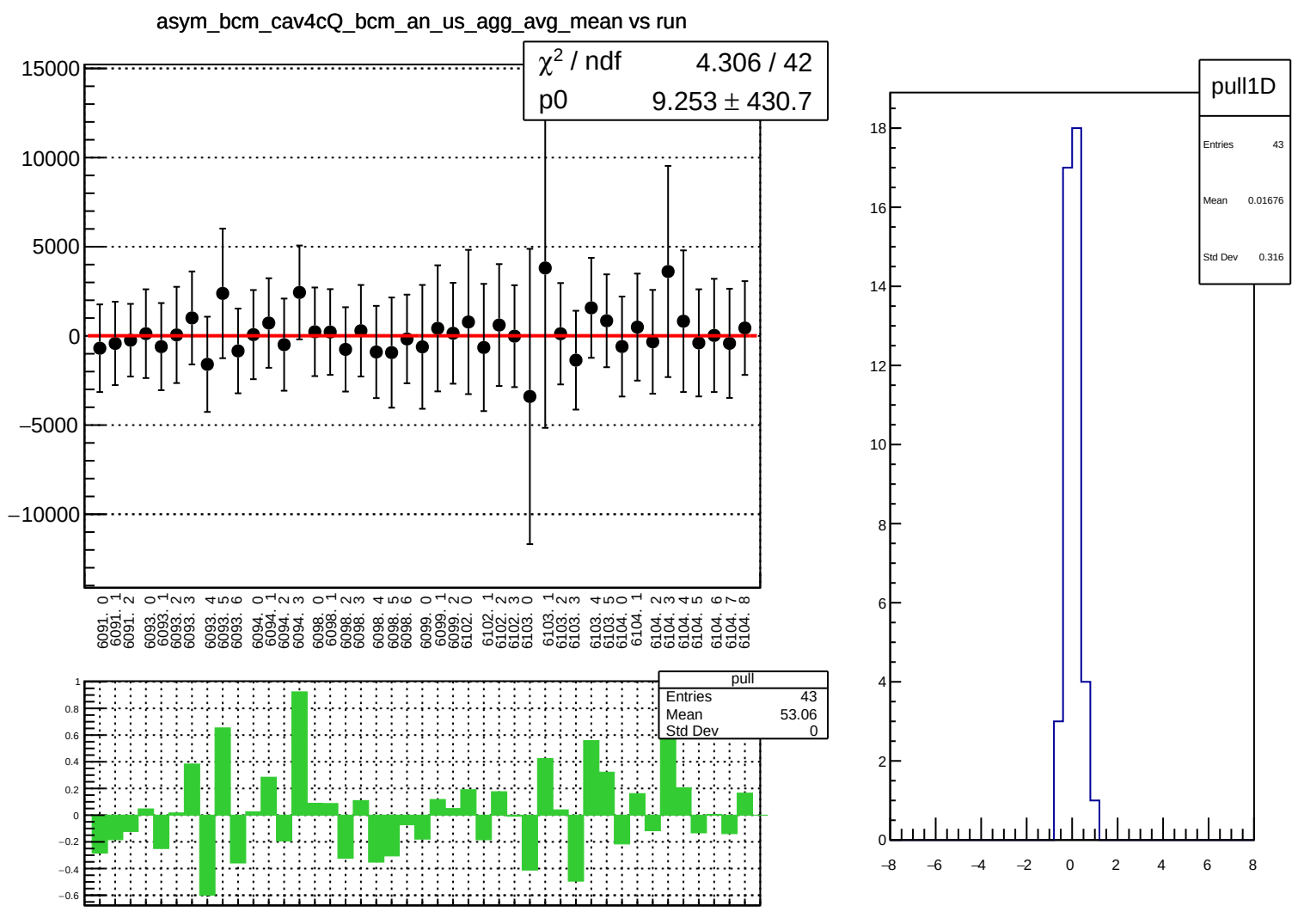

asym_bcm_dg_ds_bcm_an_us_agg_dd_rms vs run
χ² / ndf 1062 / 42
p0 16.68 ± 0.01834
18
17.5
17
16.5
16
15.5
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

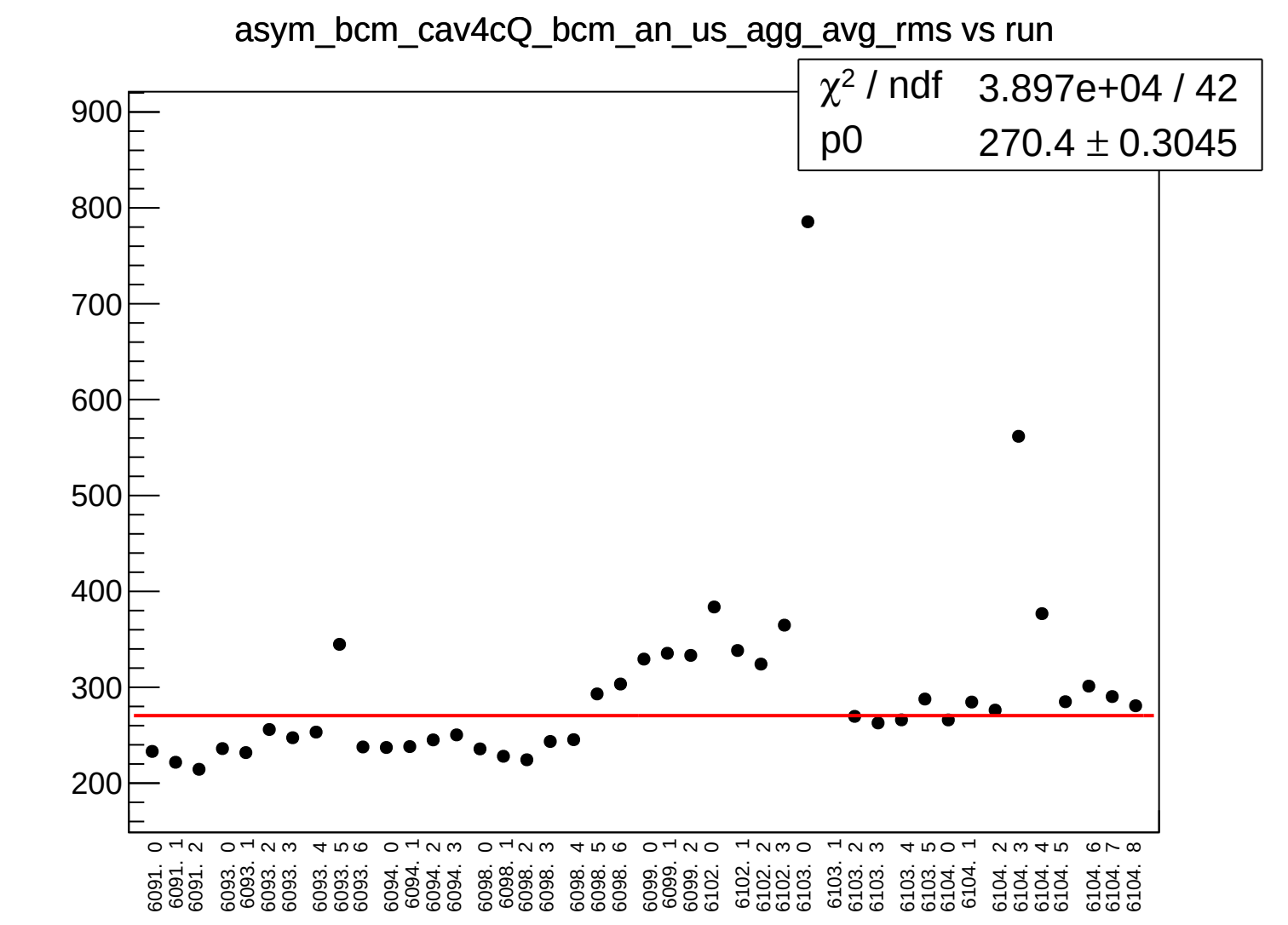

asym_bcm_dg_us_bcm_dg_ds_agg_avg_mean vs run
χ² / ndf 5.114 / 42
p0 −4.14 ± 428.5
10000
5000
0
−5000
−10000
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 29.14
Std Dev 1.597
1.2
1
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
pull1D
Entries 43
Mean 0.01379
Std Dev 0.3446
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

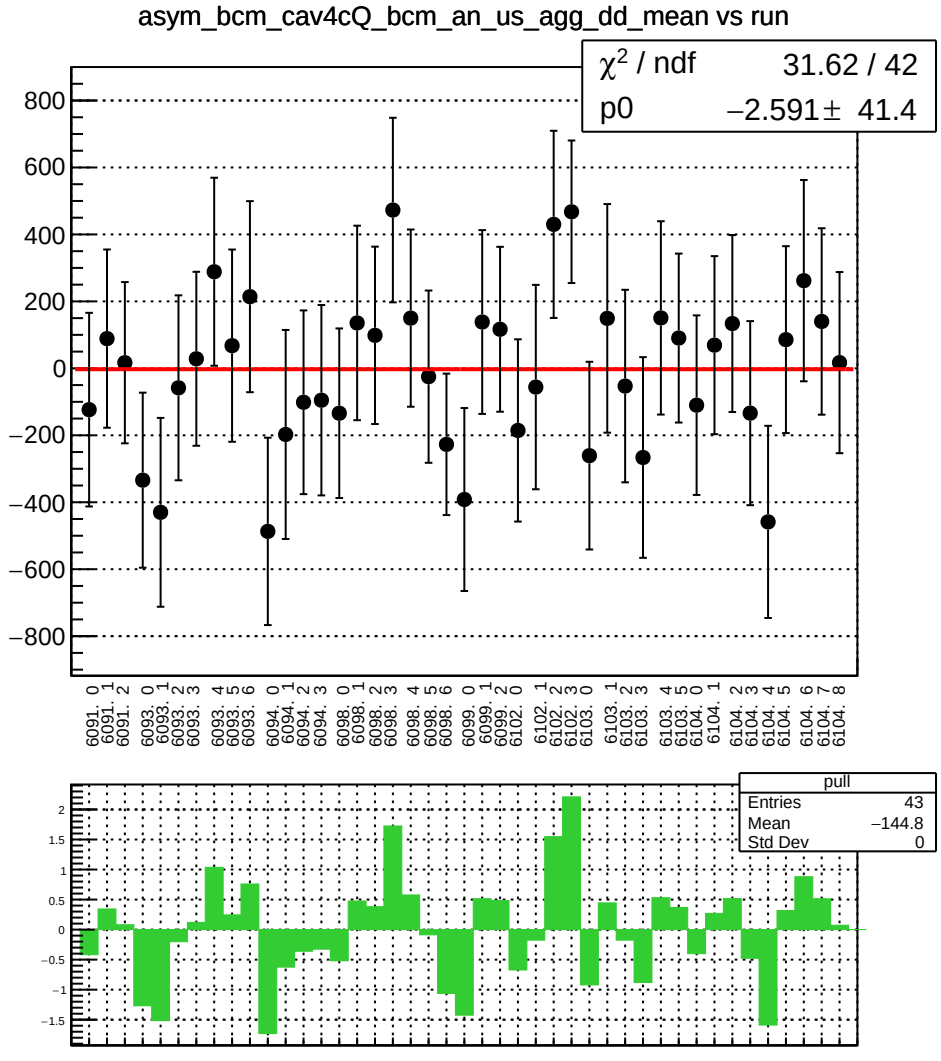

asym_bcm_dg_us_bcm_dg_ds_agg_avg_rms vs run
χ² / ndf 3.8e+04 / 42
p0 269.3 ± 0.303
900
800
700
600
500
400
300
200
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

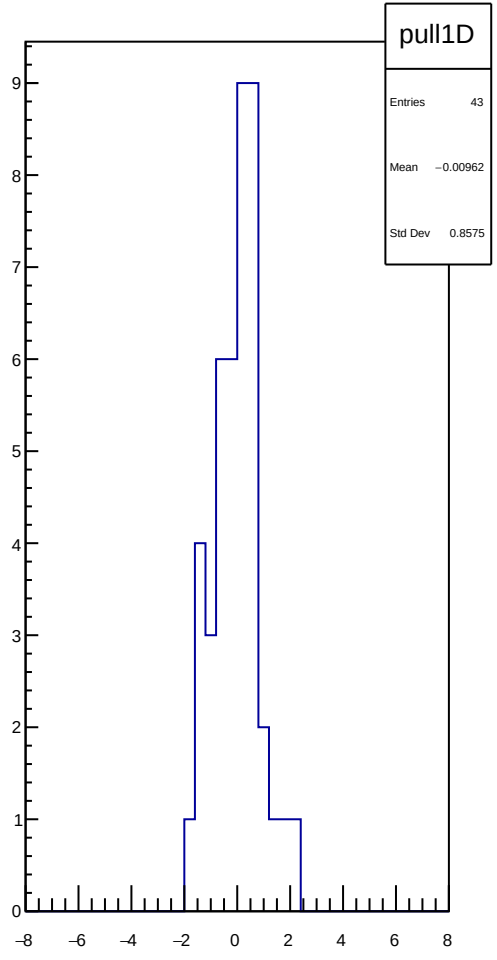

asym_bcm_dg_us_bcm_dg_ds_agg_dd_mean vs run
χ² / ndf 51.99 / 42
p0 24.92 ± 38.55
1000
500
0
−500
−1000
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean −194
Std Dev 0
2
1
0
−1
−2
pull1D
Entries 43
Mean 0.01512
Std Dev 1.1
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

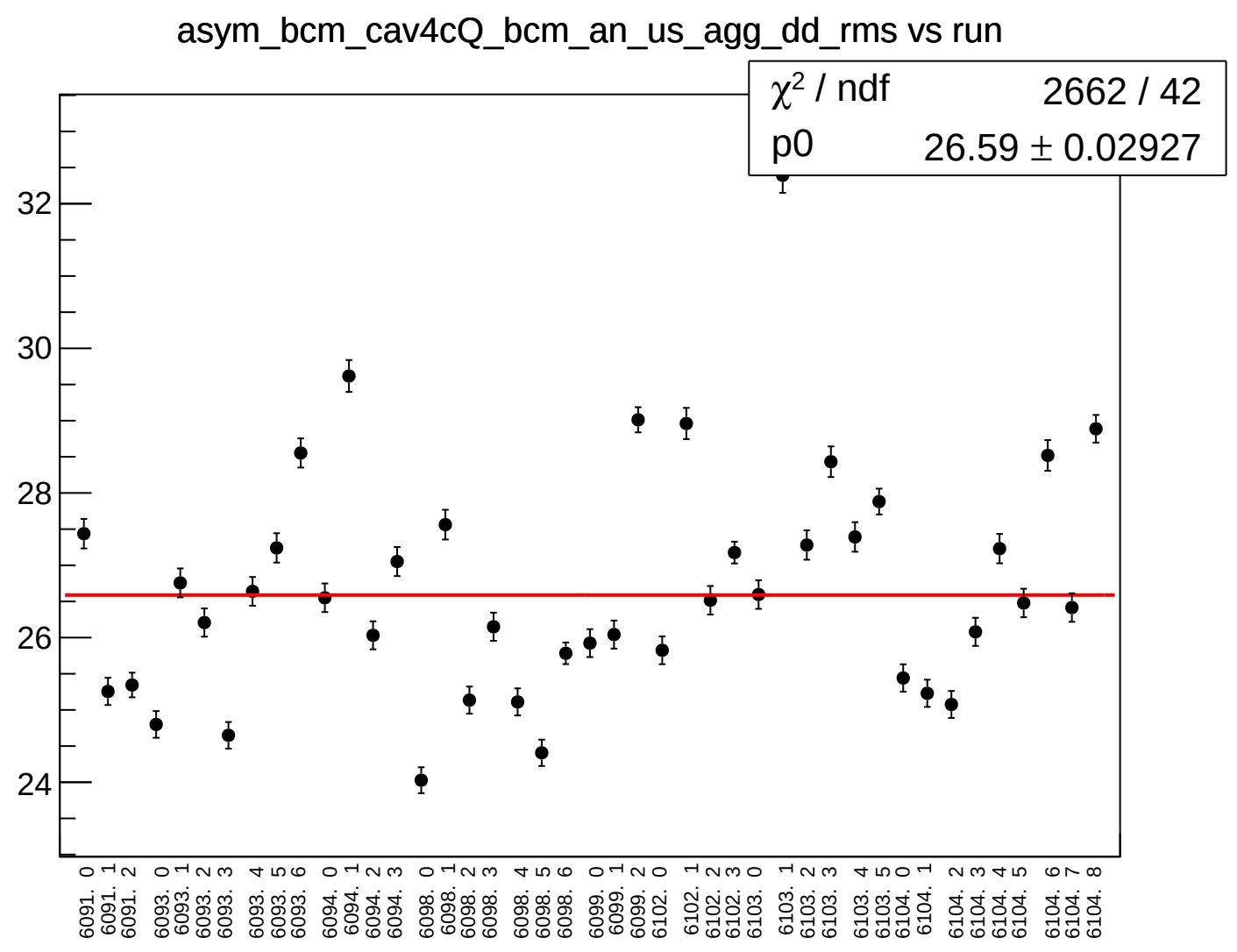

asym_bcm_dg_us_bcm_dg_ds_agg_dd_rms vs run
χ² / ndf 694 / 42
p0 24.79 ± 0.02726
27.5
27
26.5
26
25.5
25
24.5
24
23.5
23
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

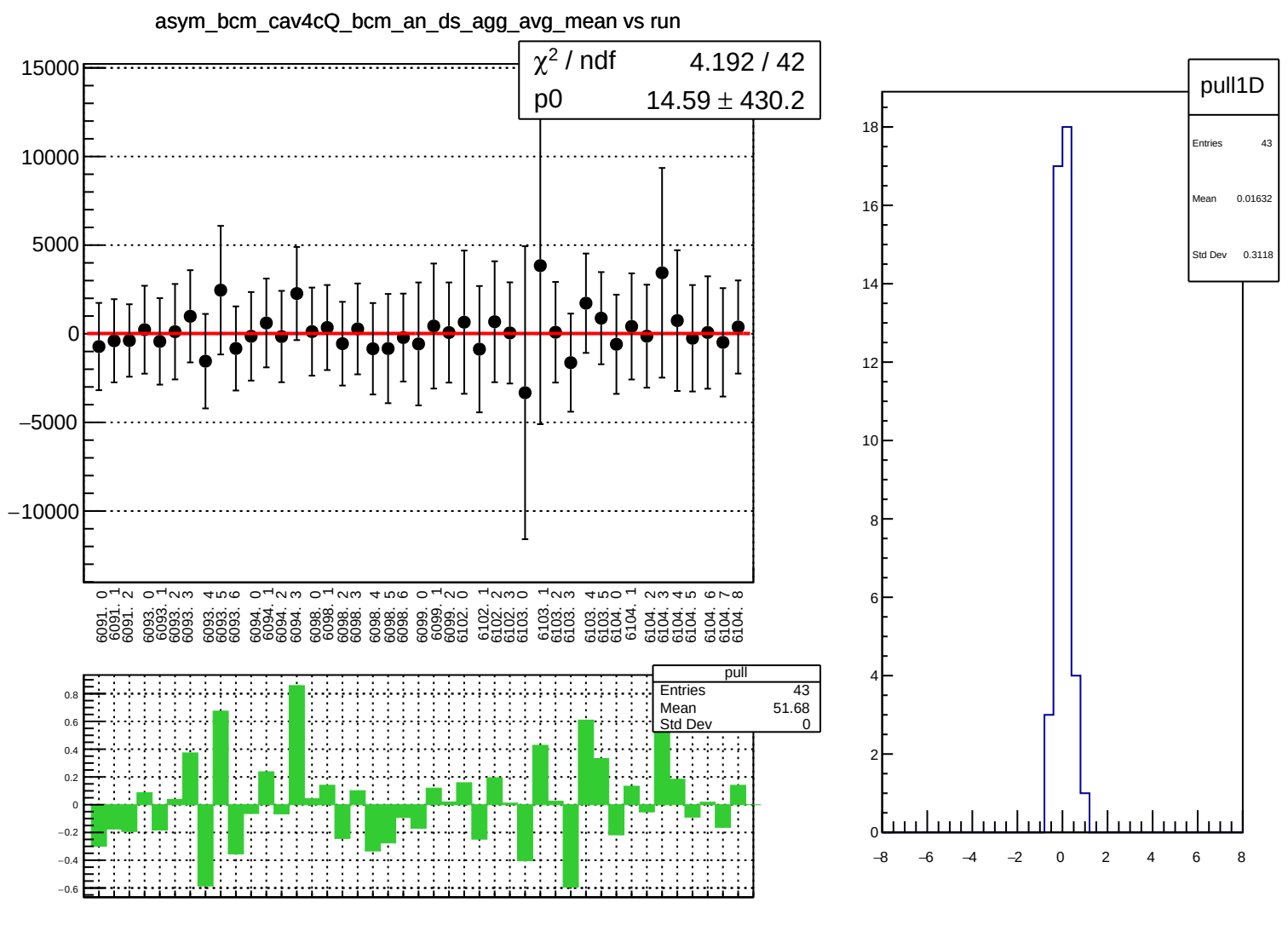

asym_bcm_cav4cQ_bcm_an_us_agg_avg_mean vs run
χ² / ndf 4.306 / 42
p0 9.253 ± 430.7
15000
10000
5000
0
−5000
−10000
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 53.06
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
pull1D
Entries 43
Mean 0.01676
Std Dev 0.316
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

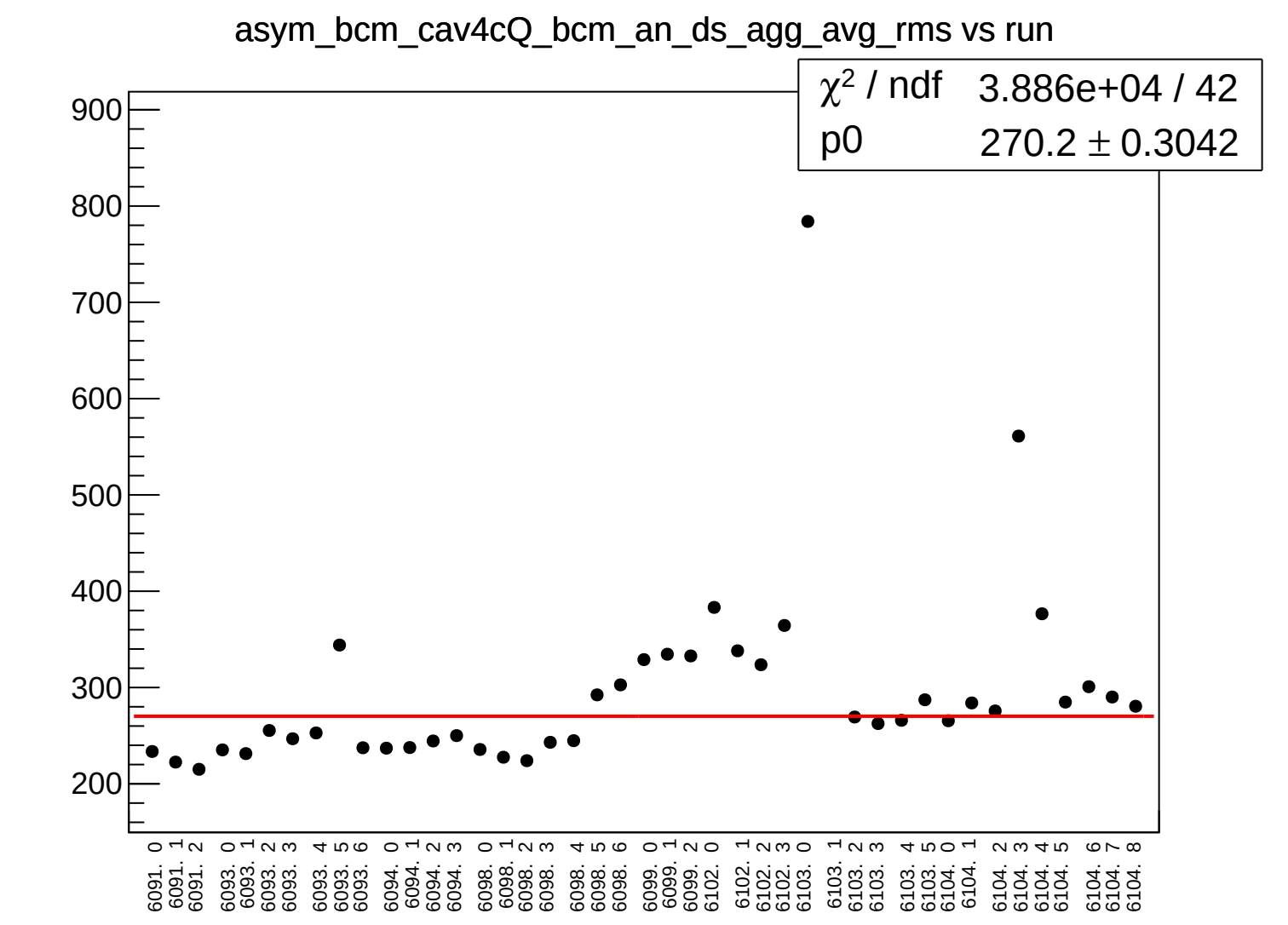

asym_bcm_cav4cQ_bcm_an_us_agg_avg_rms vs run
χ² / ndf 3.897e+04 / 42
p0 270.4 ± 0.3045
900
800
700
600
500
400
300
200
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

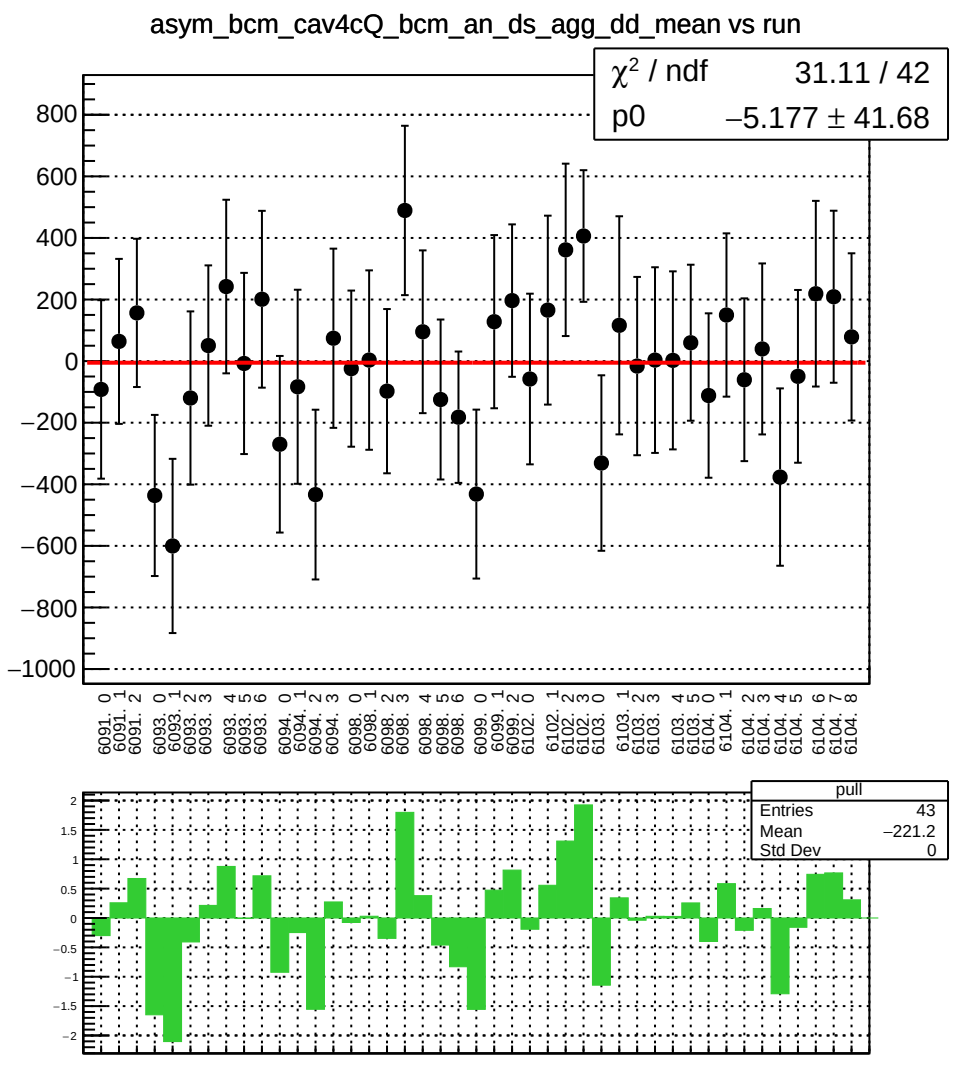

asym_bcm_cav4cQ_bcm_an_us_agg_dd_mean vs run
χ² / ndf 31.62 / 42
p0 −2.591± 41.4
pull
Entries 43
Mean −144.8
Std Dev 0

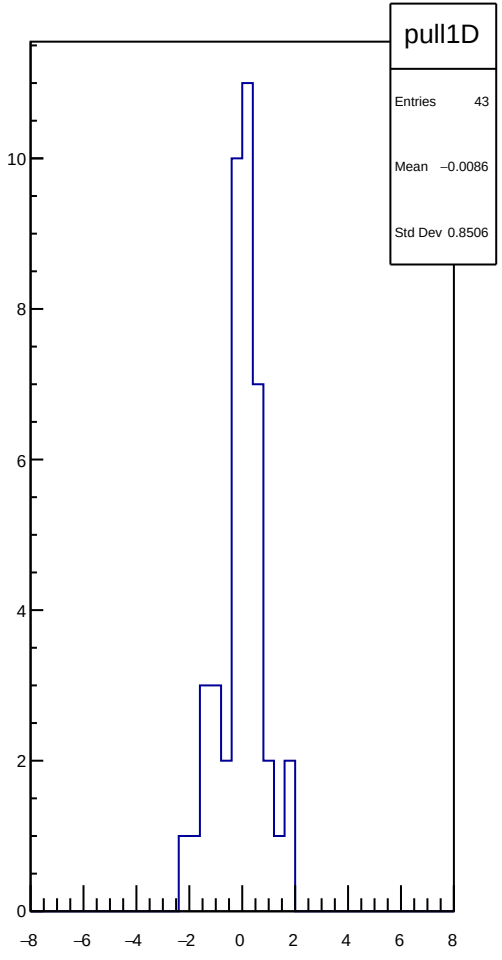

pull1D
Entries 43
Mean −0.00962
Std Dev 0.8575

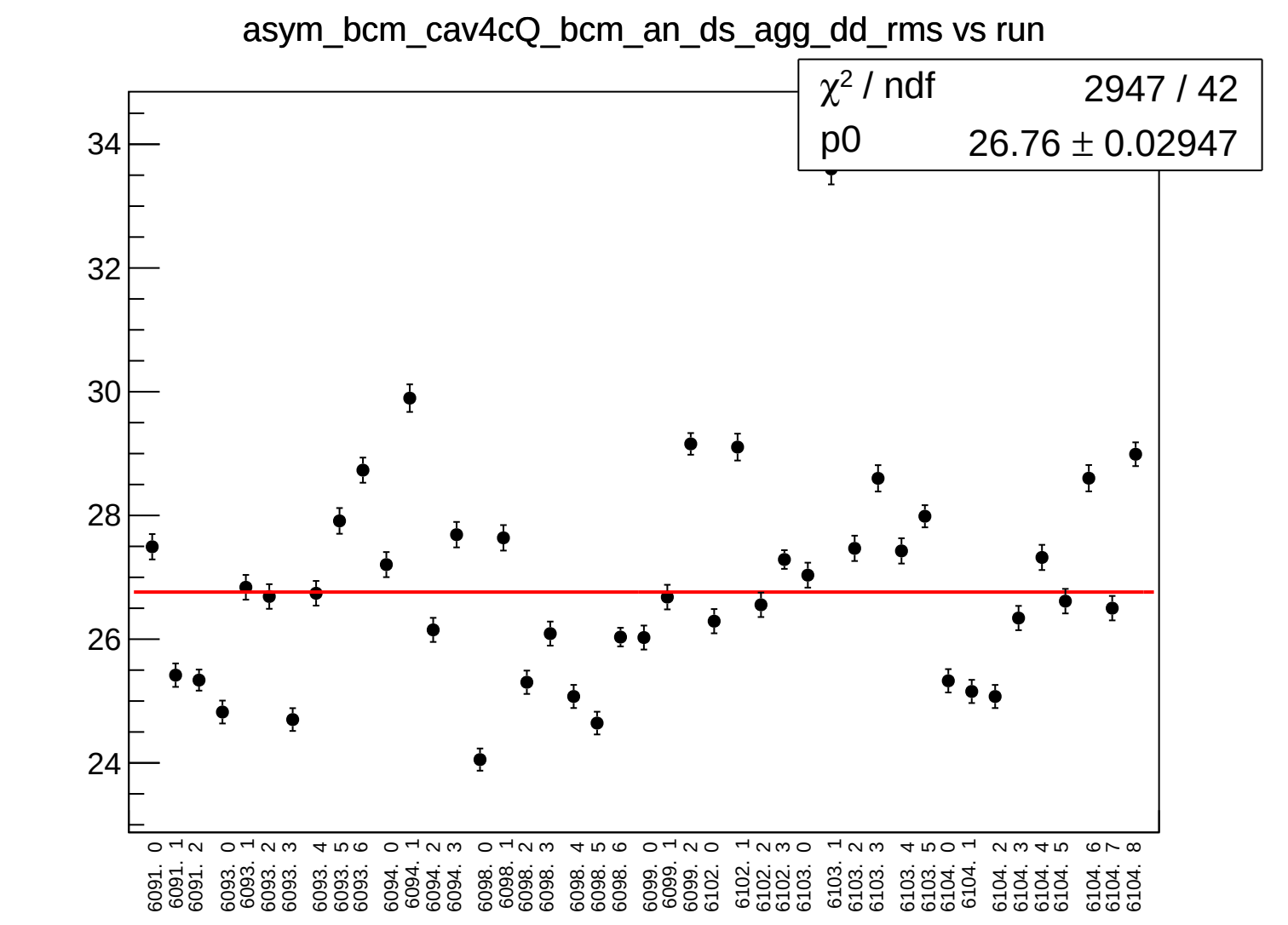

asym_bcm_cav4cQ_bcm_an_us_agg_dd_rms vs run
χ² / ndf 2662 / 42
p0 26.59 ± 0.02927
32
30
28
26
24
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

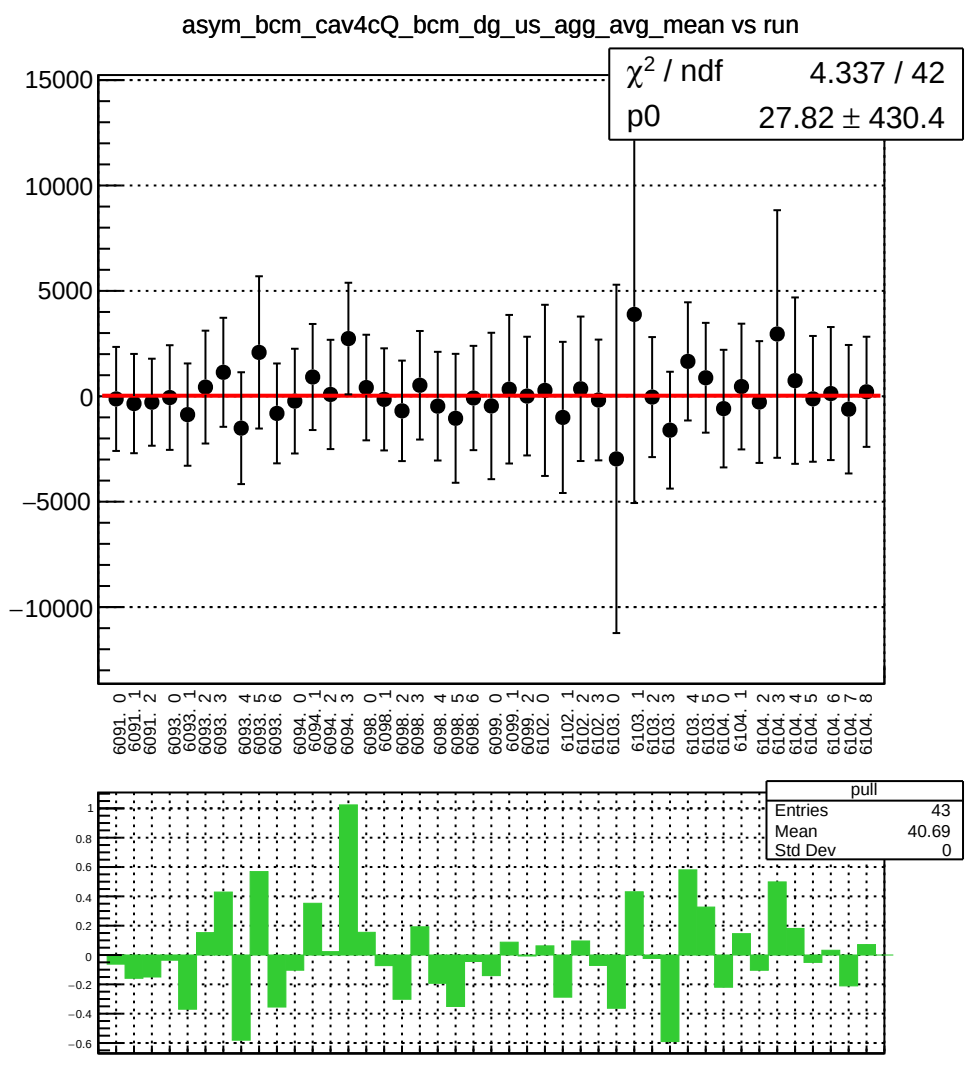

asym_bcm_cav4cQ_bcm_an_ds_agg_avg_mean vs run
χ² / ndf 4.192 / 42
p0 14.59 ± 430.2
15000
10000
5000
0
−5000
−10000
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 51.68
Std Dev 0
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
pull1D
Entries 43
Mean 0.01632
Std Dev 0.3118
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

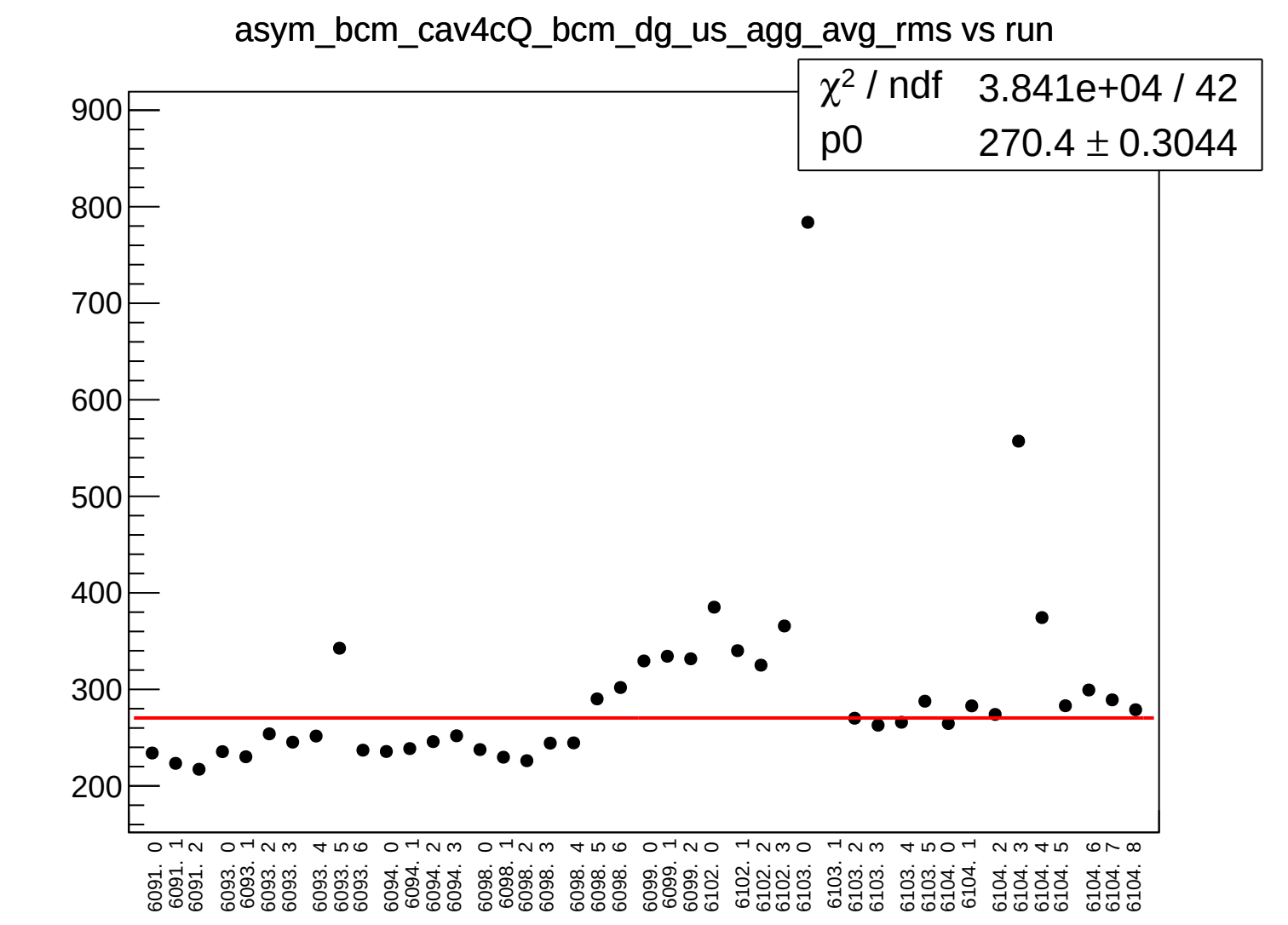

asym_bcm_cav4cQ_bcm_an_ds_agg_avg_rms vs run
χ² / ndf 3.886e+04 / 42
p0 270.2 ± 0.3042
900
800
700
600
500
400
300
200
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

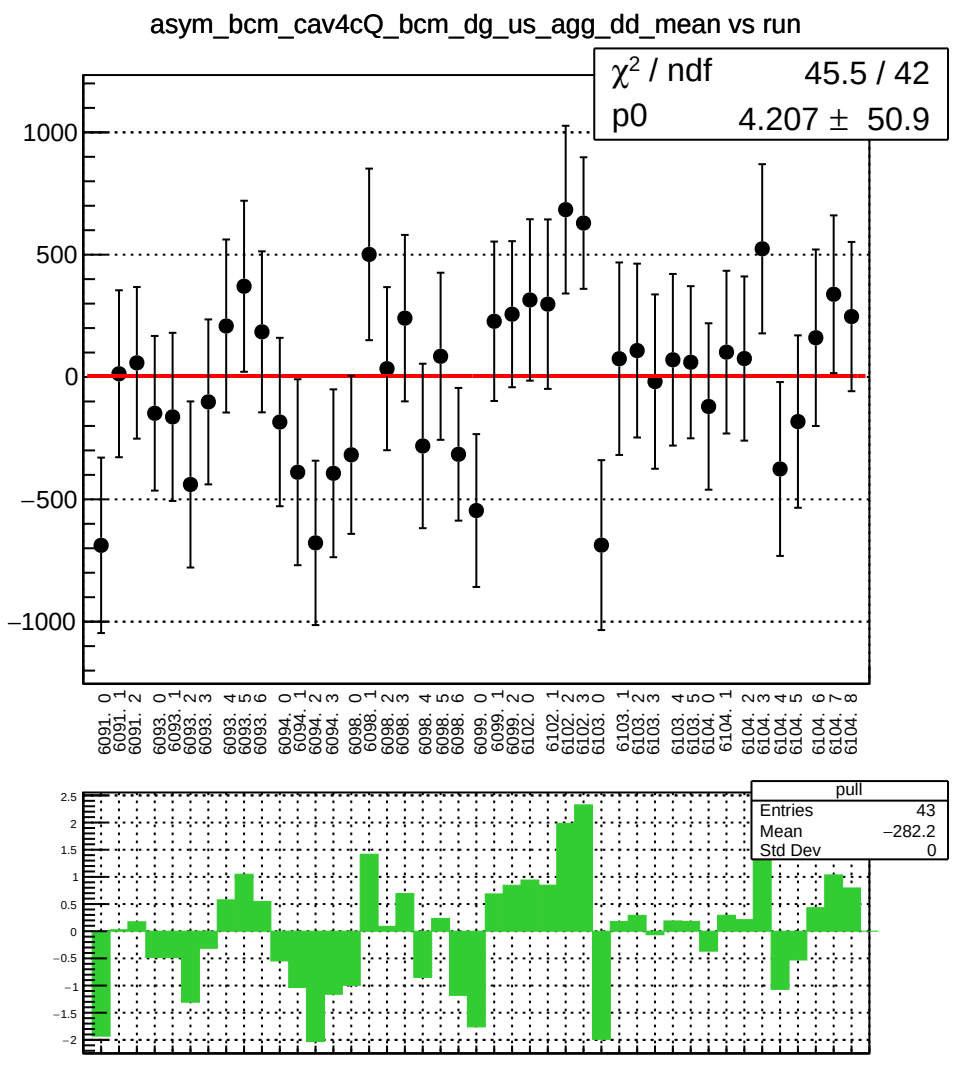

asym_bcm_cav4cQ_bcm_an_ds_agg_dd_mean vs run
χ² / ndf 31.11 / 42
p0 −5.177 ± 41.68
pull
Entries 43
Mean −221.2
Std Dev 0

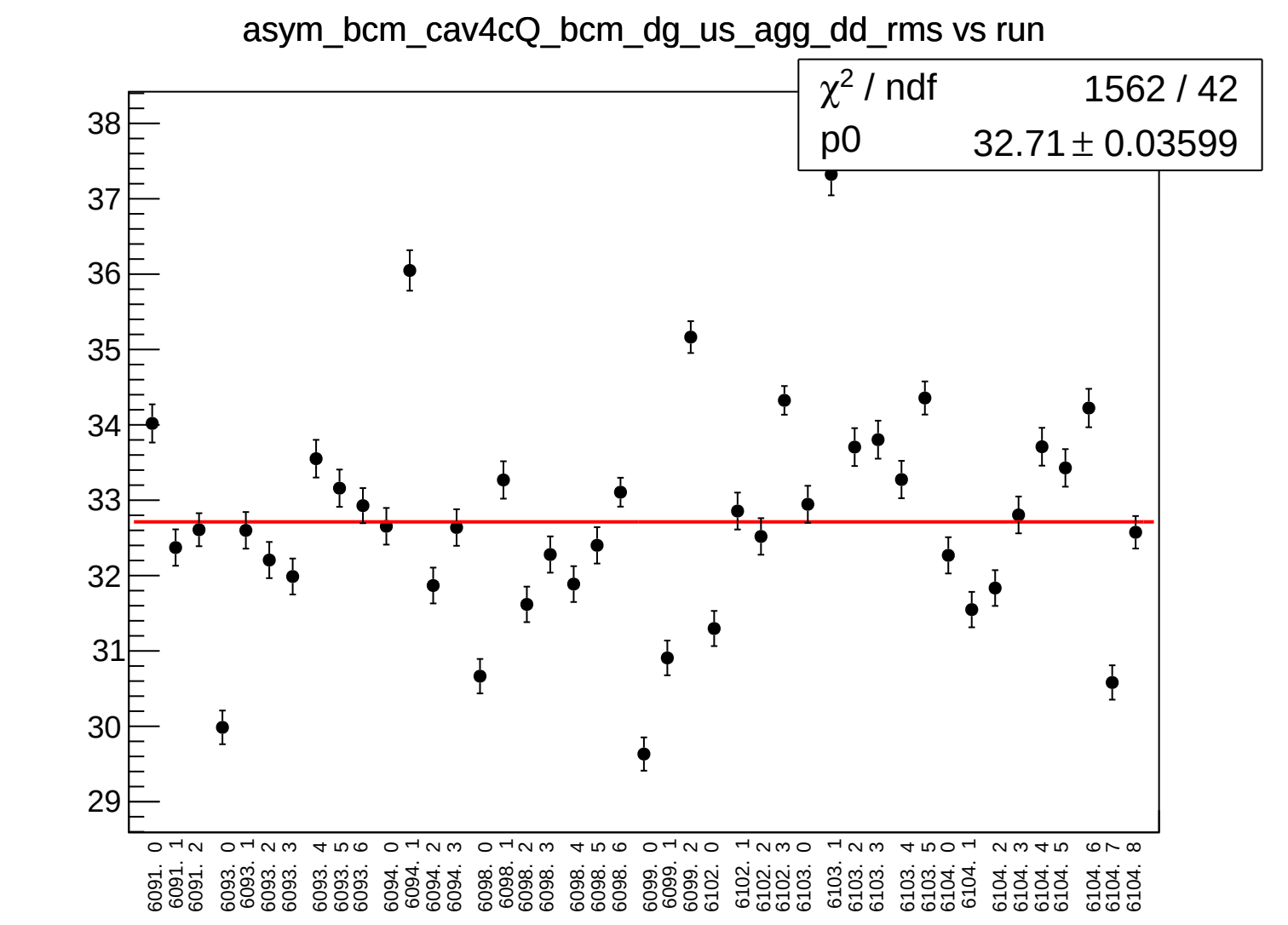

pull1D
Entries 43
Mean −0.0086
Std Dev 0.8506


asym_bcm_cav4cQ_bcm_an_ds_agg_dd_rms vs run
χ² / ndf 2947 / 42
p0 26.76 ± 0.02947
34
32
30
28
26
24
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8


asym_bcm_cav4cQ_bcm_dg_us_agg_avg_mean vs run
χ² / ndf 4.337 / 42
p0 27.82 ± 430.4
15000
10000
5000
0
−5000
−10000
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 40.69
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
pull1D
Entries 43
Mean 0.01324
Std Dev 0.3173
22
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


asym_bcm_cav4cQ_bcm_dg_us_agg_avg_rms vs run
χ² / ndf 3.841e+04 / 42
p0 270.4 ± 0.3044
900
800
700
600
500
400
300
200
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8


asym_bcm_cav4cQ_bcm_dg_us_agg_dd_mean vs run
χ² / ndf 45.5 / 42
p0 4.207 ± 50.9
1000
500
0
−500
−1000
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean −282.2
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 43
Mean −0.01257
Std Dev 1.029
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


asym_bcm_cav4cQ_bcm_dg_us_agg_dd_rms vs run
χ² / ndf 1562 / 42
p0 32.71 ± 0.03599
38
37
36
35
34
33
32
31
30
29
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
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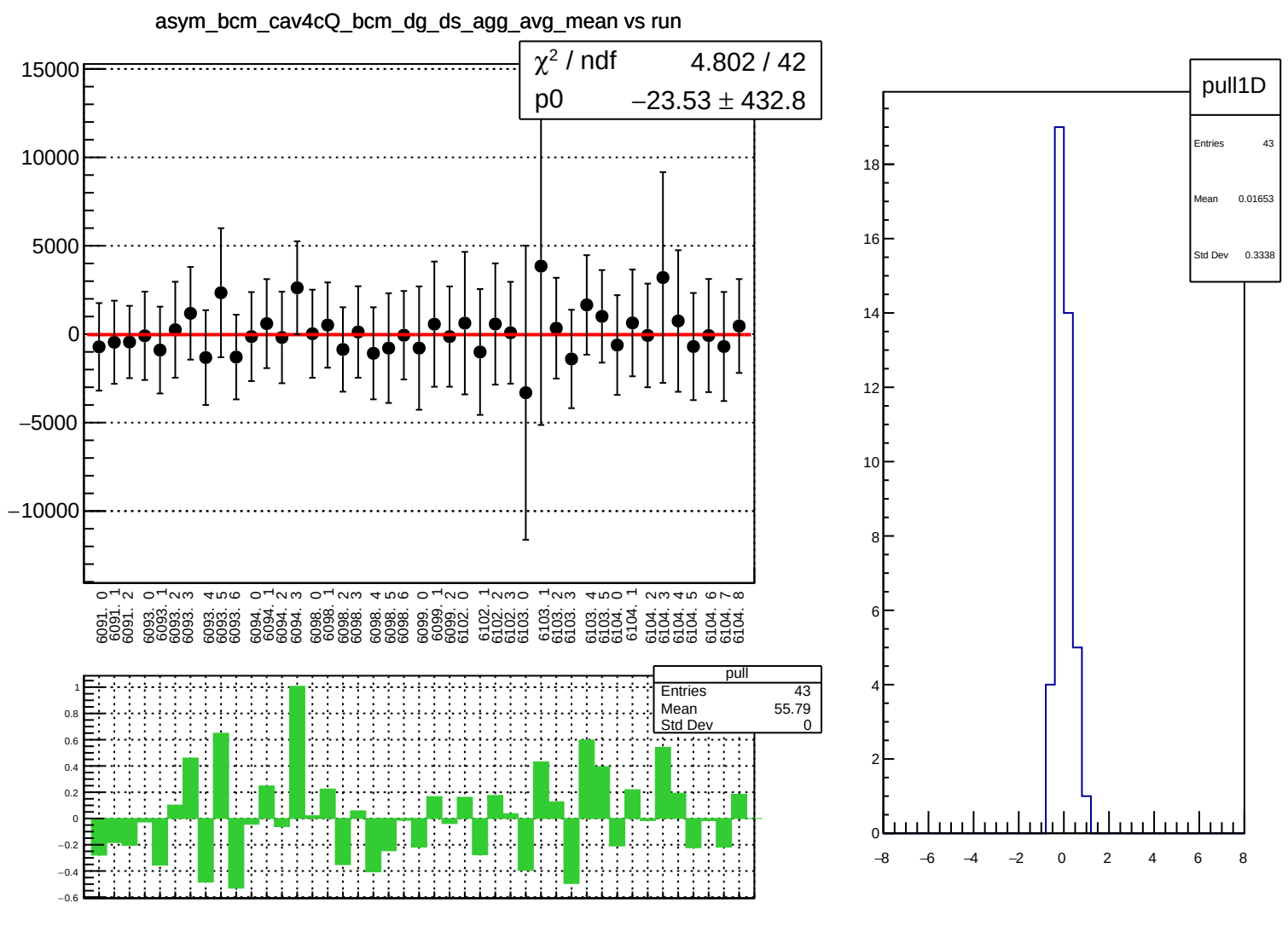
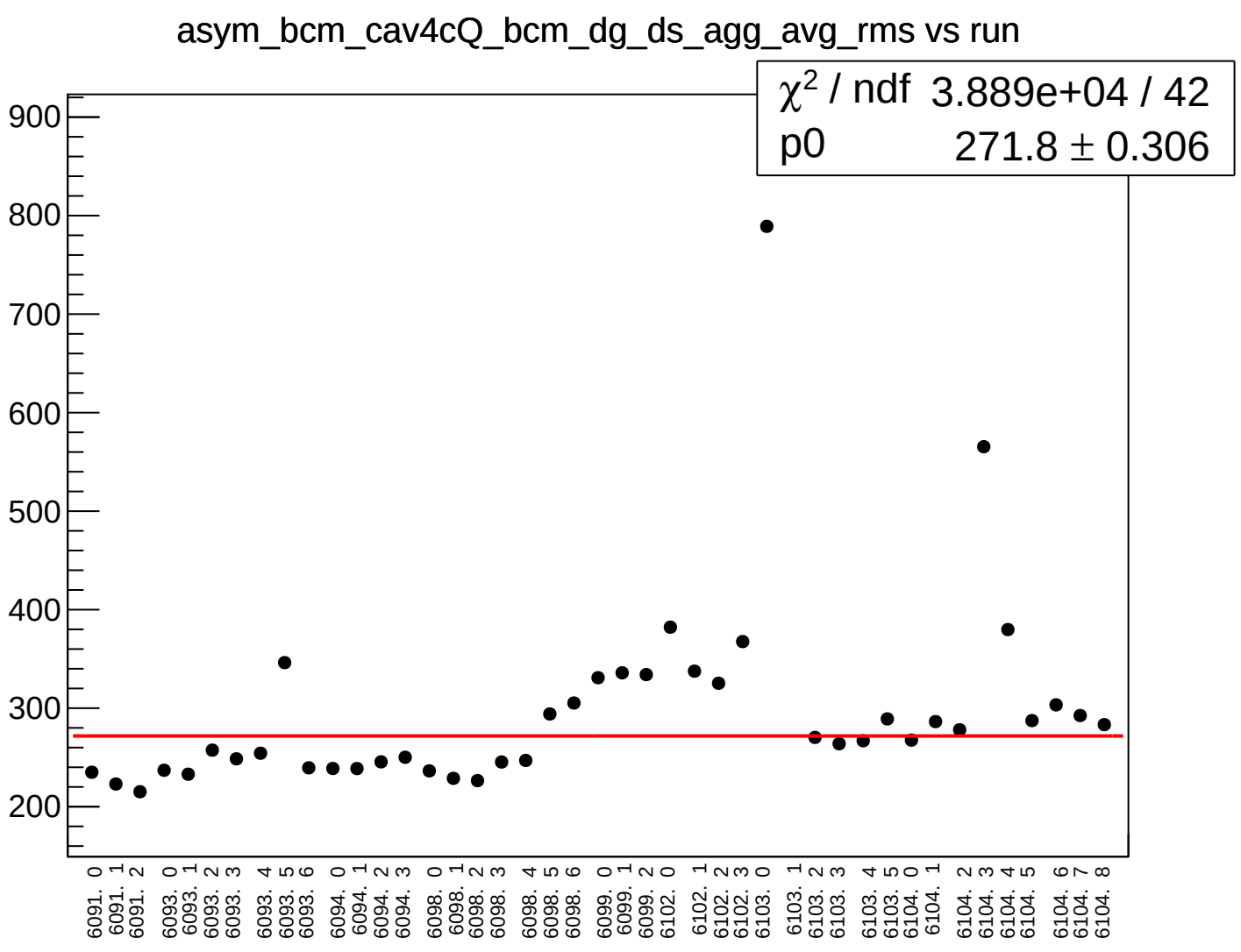
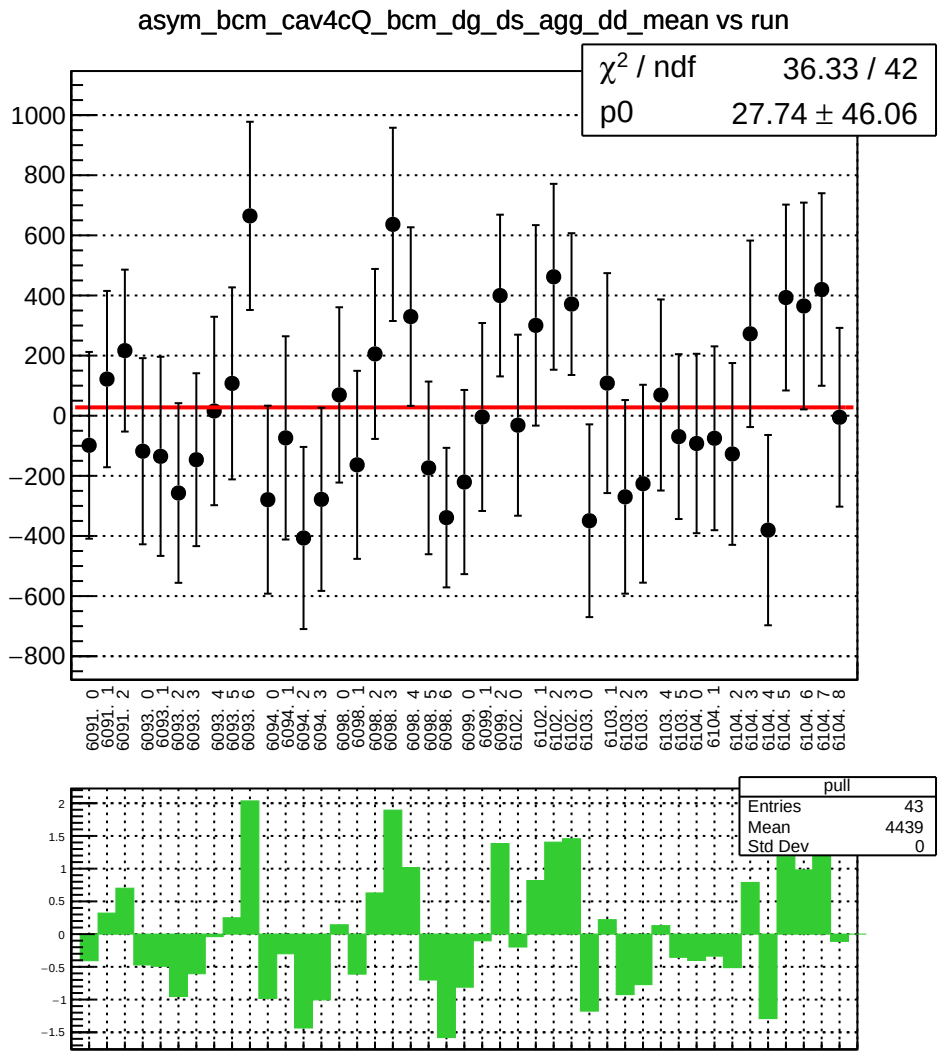
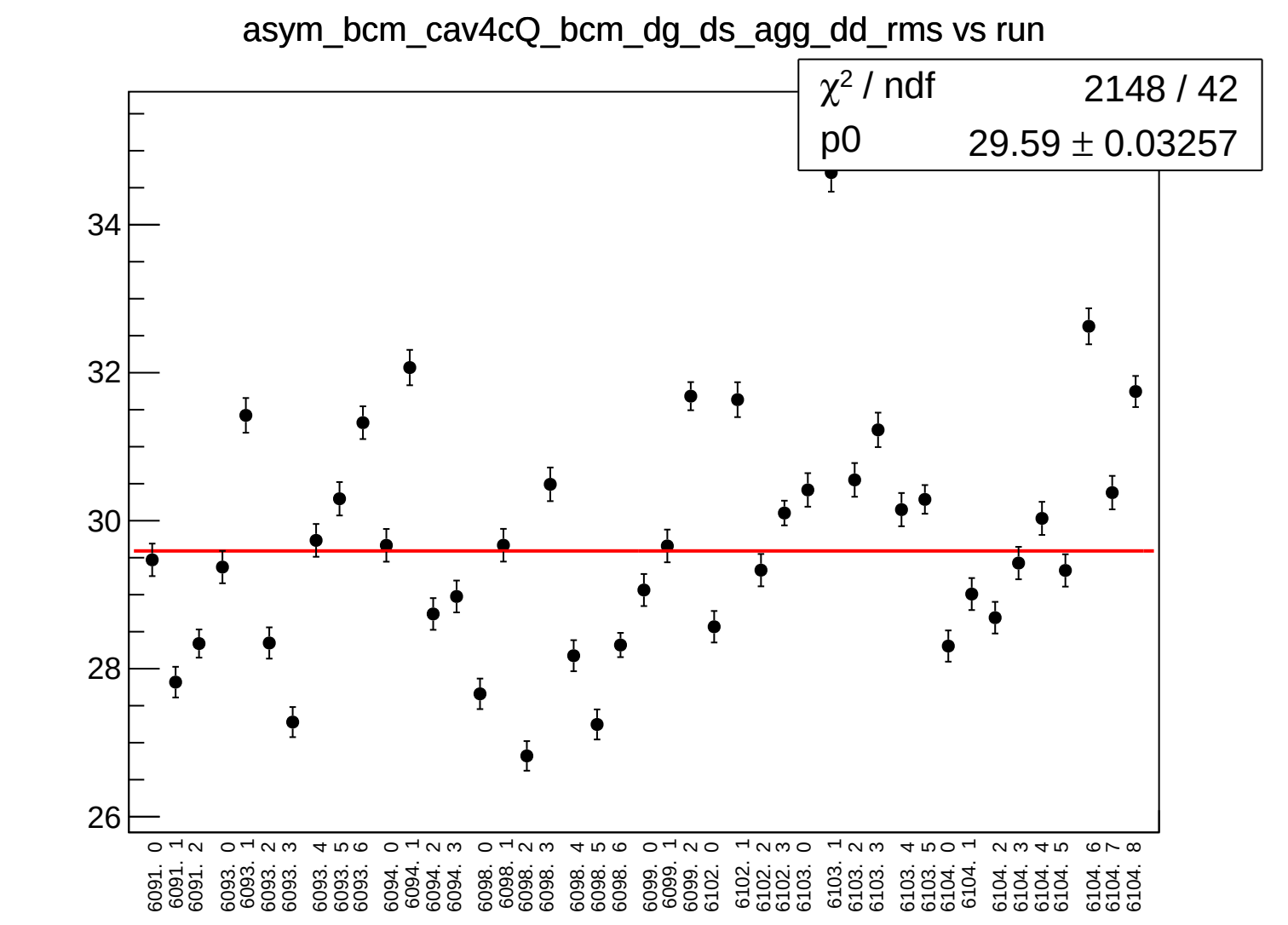
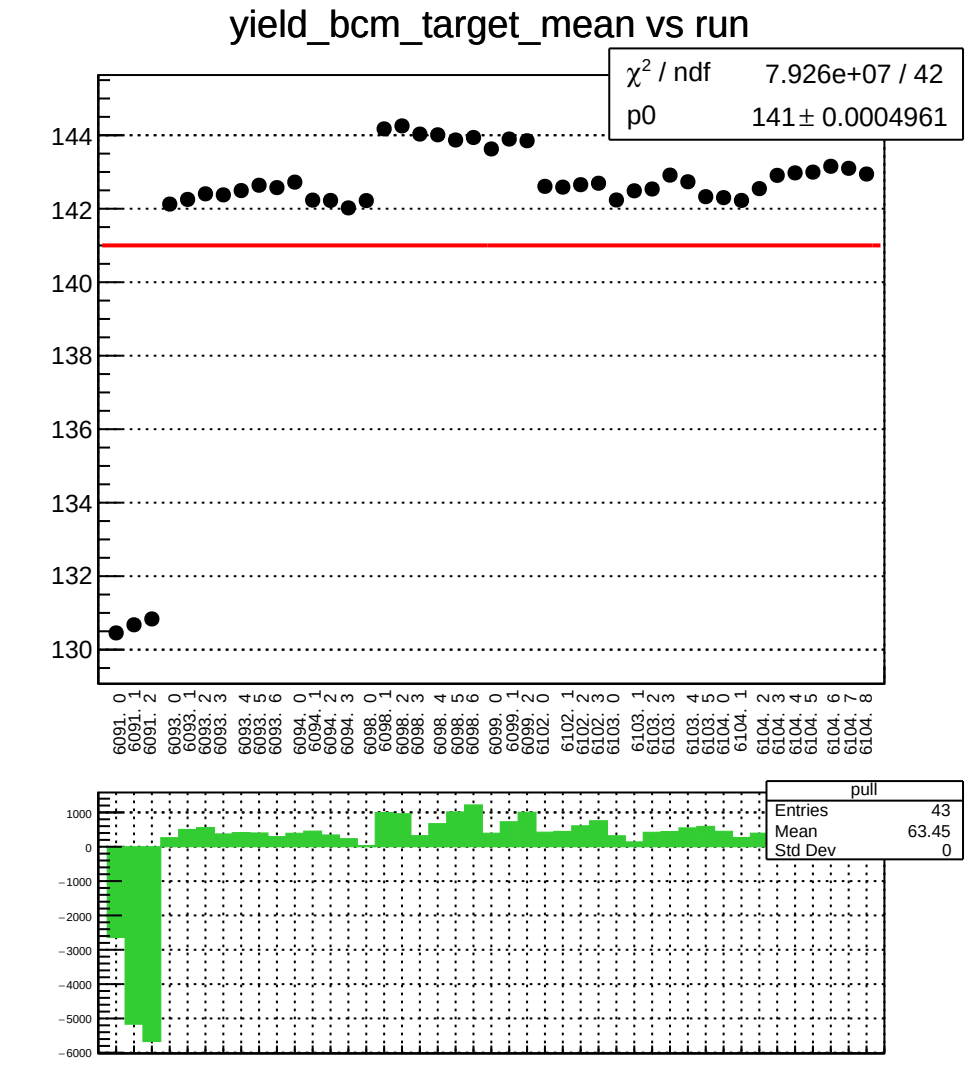
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

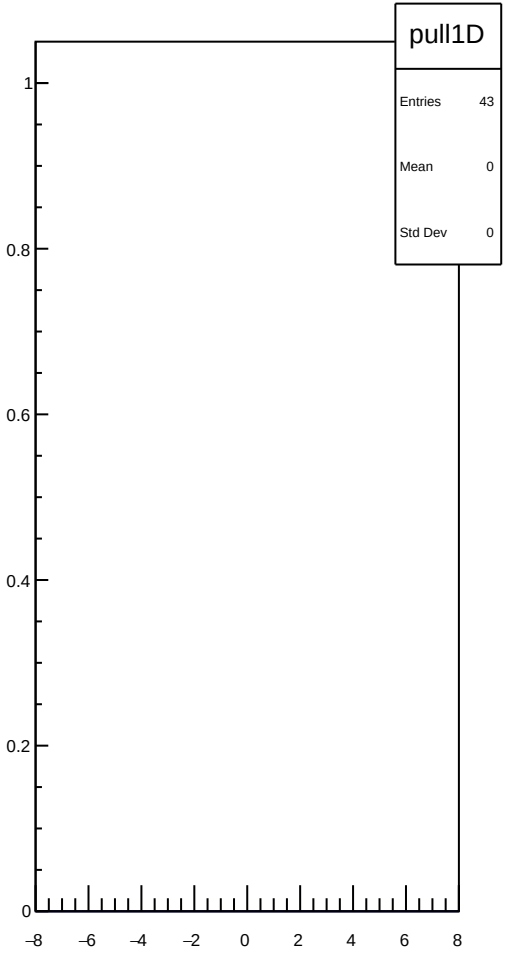

asym_bcm_cav4cQ_bcm_dg_ds_agg_avg_mean vs run
χ² / ndf 4.802 / 42
p0 −23.53 ± 432.8
15000
10000
5000
0
−5000
−10000
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 55.79
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
pull1D
Entries 43
Mean 0.01653
Std Dev 0.3338
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

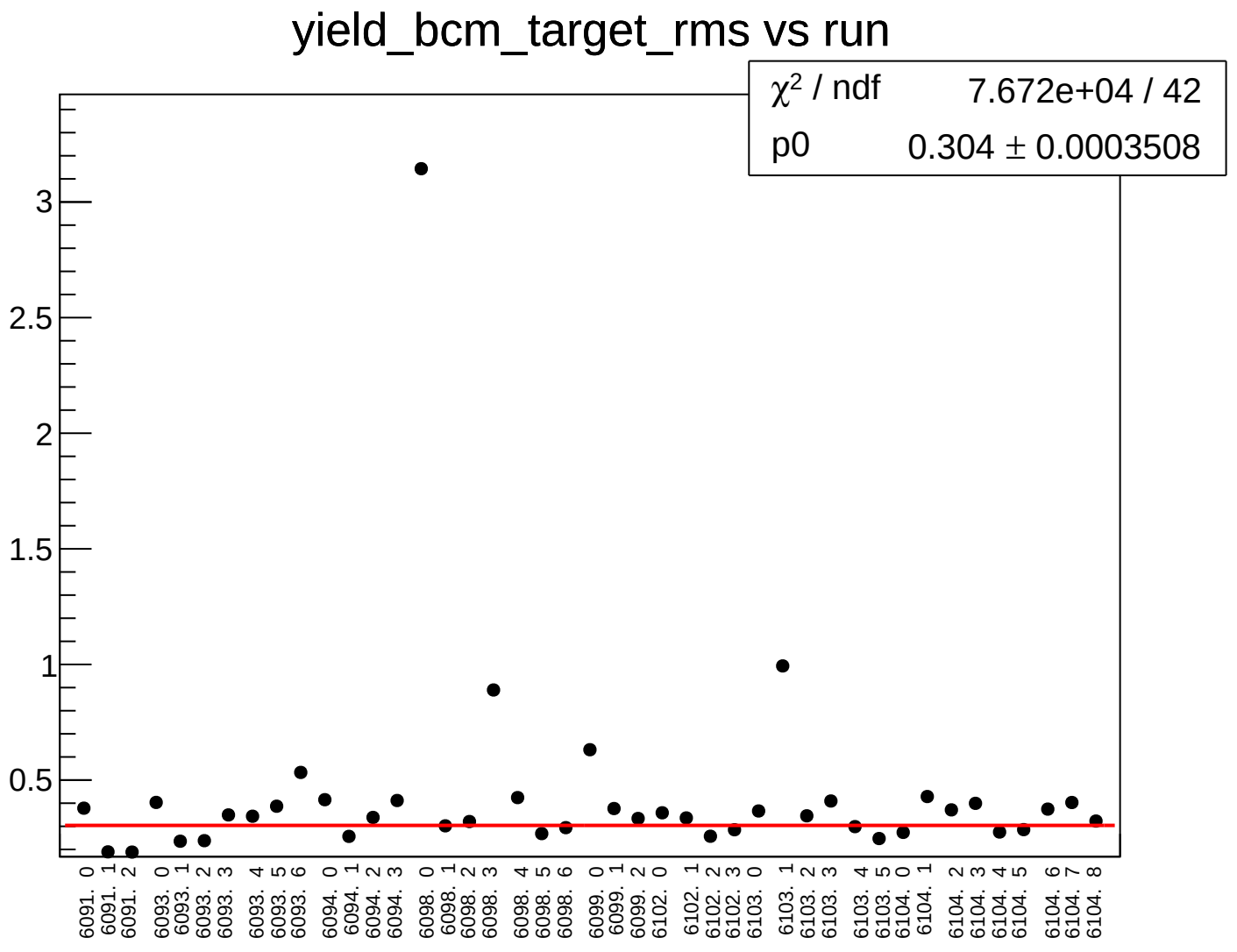

asym_bcm_cav4cQ_bcm_dg_ds_agg_avg_rms vs run
χ² / ndf 3.889e+04 / 42
p0 271.8 ± 0.306
900
800
700
600
500
400
300
200
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

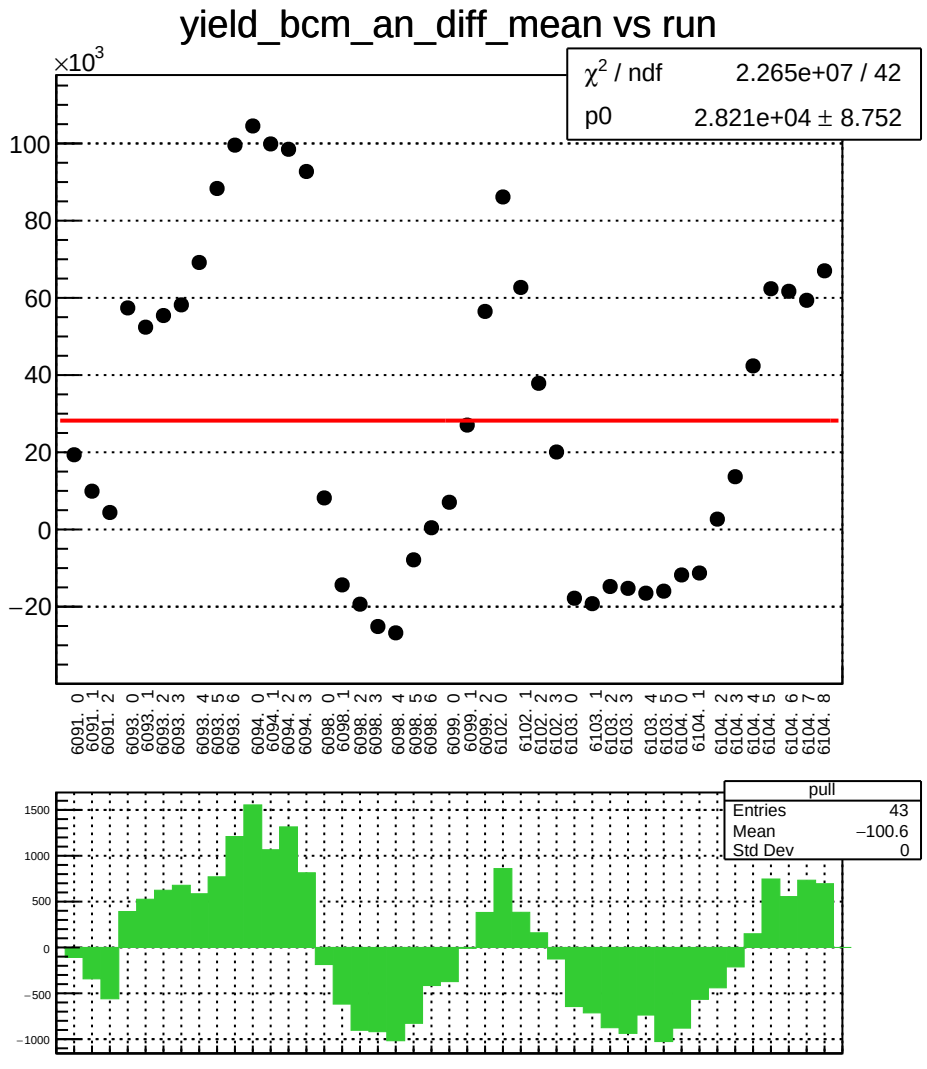

asym_bcm_cav4cQ_bcm_dg_ds_agg_dd_mean vs run
χ² / ndf 36.33 / 42
p0 27.74 ± 46.06
1000
800
600
400
200
0
−200
−400
−600
−800
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 4439
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 43
Mean 0.0003178
Std Dev 0.9191
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

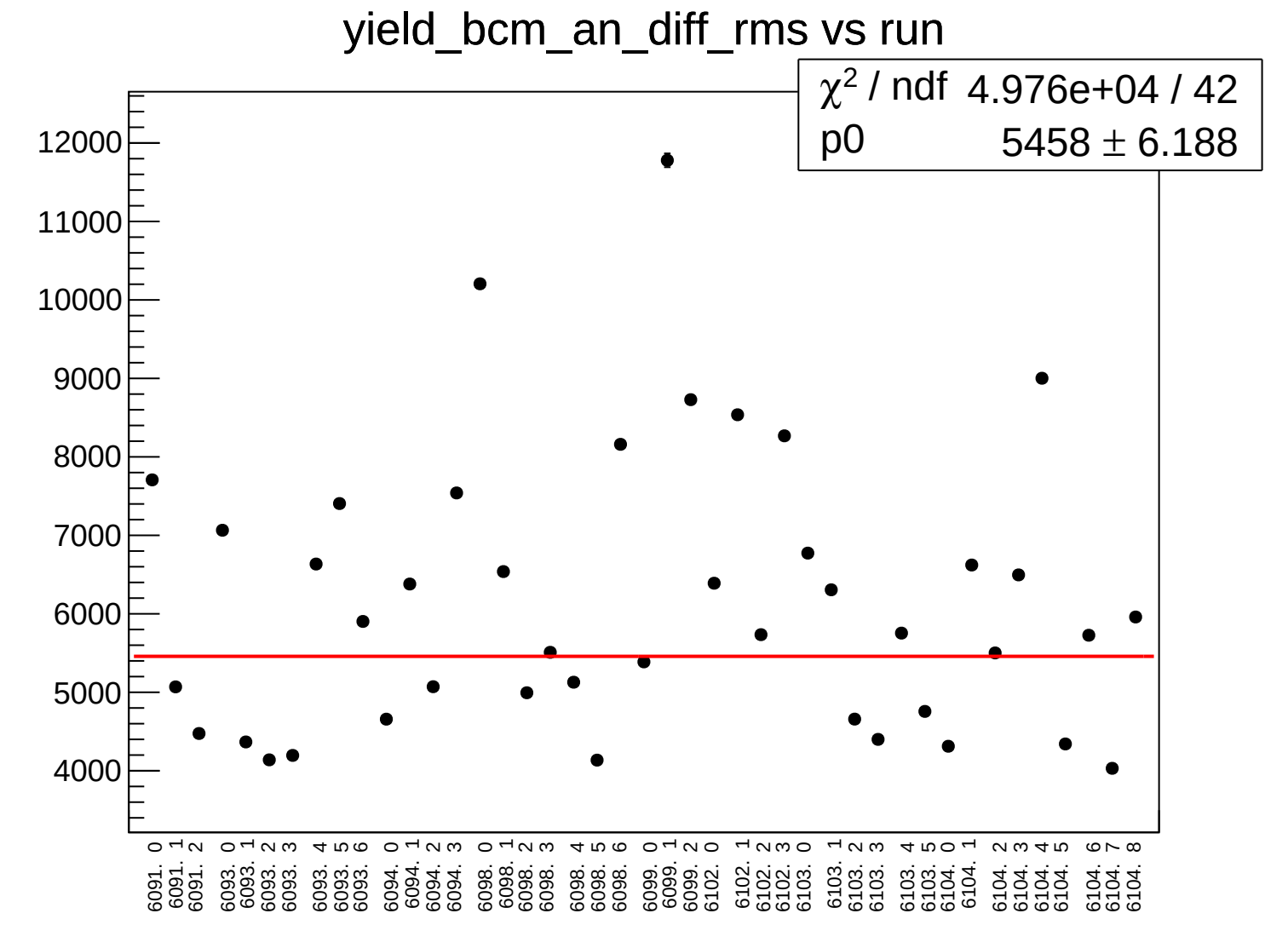

asym_bcm_cav4cQ_bcm_dg_ds_agg_dd_rms vs run
χ² / ndf 2148 / 42
p0 29.59 ± 0.03257
34
32
30
28
26
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

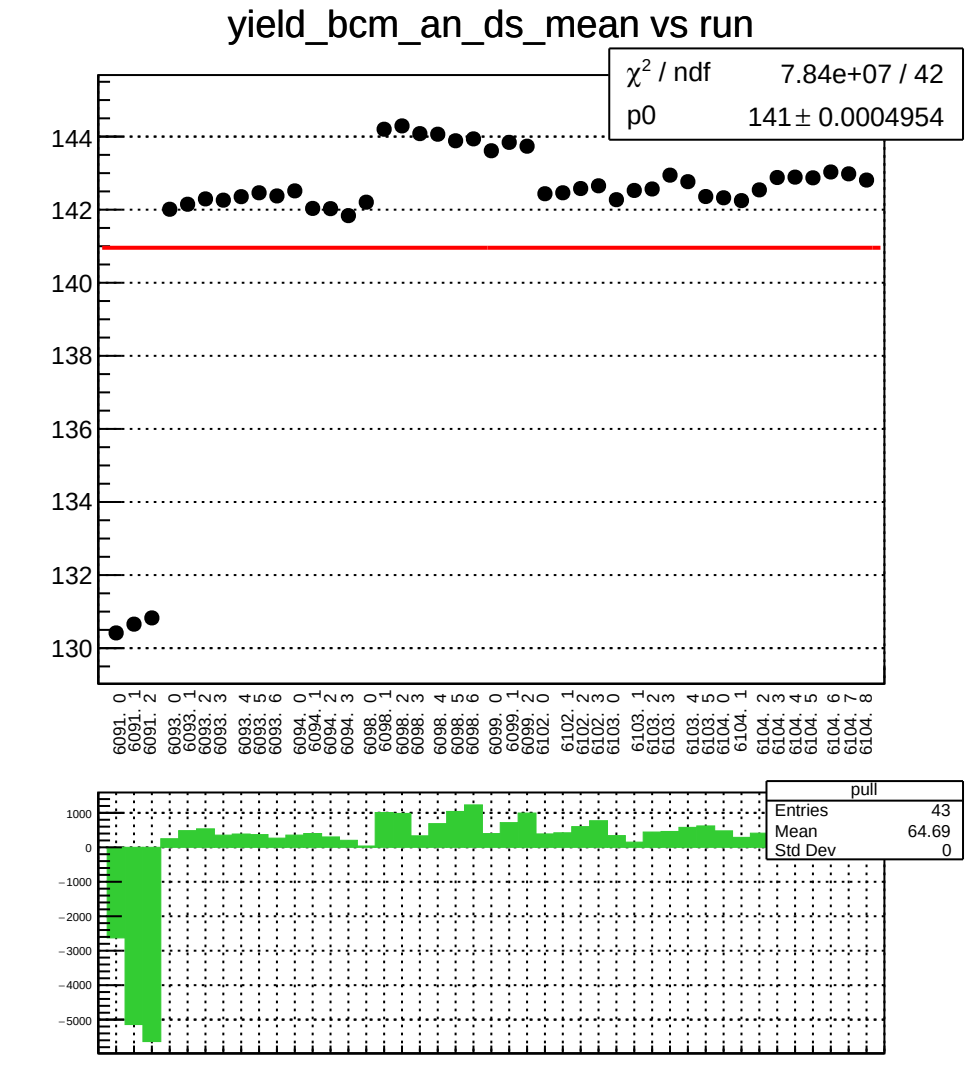

yield_bcm_target_mean vs run
χ² / ndf 7.926e+07 / 42
p0 141 ± 0.0004961
144
142
140
138
136
134
132
130
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 63.45
Std Dev 0
1000
0
−1000
−2000
−3000
−4000
−5000
−6000

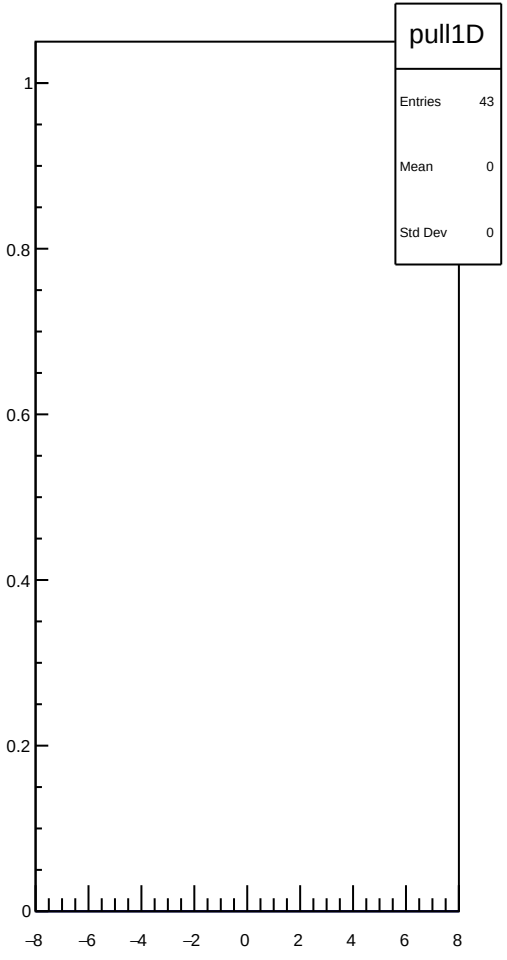

pull1D
Entries 43
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

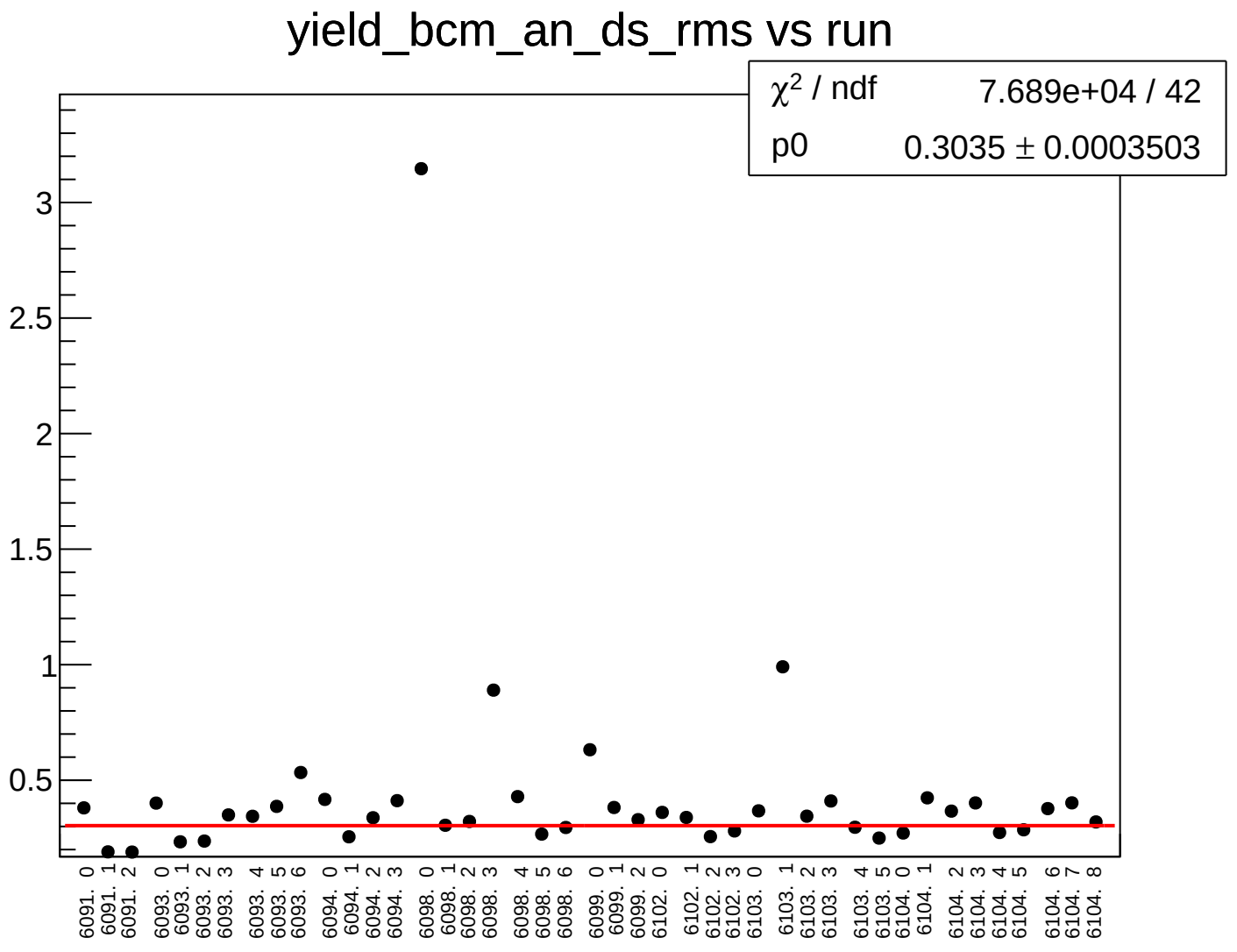

yield_bcm_target_rms vs run
χ² / ndf 7.672e+04 / 42
p0 0.304 ± 0.0003508
3
2.5
2
1.5
1
0.5
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

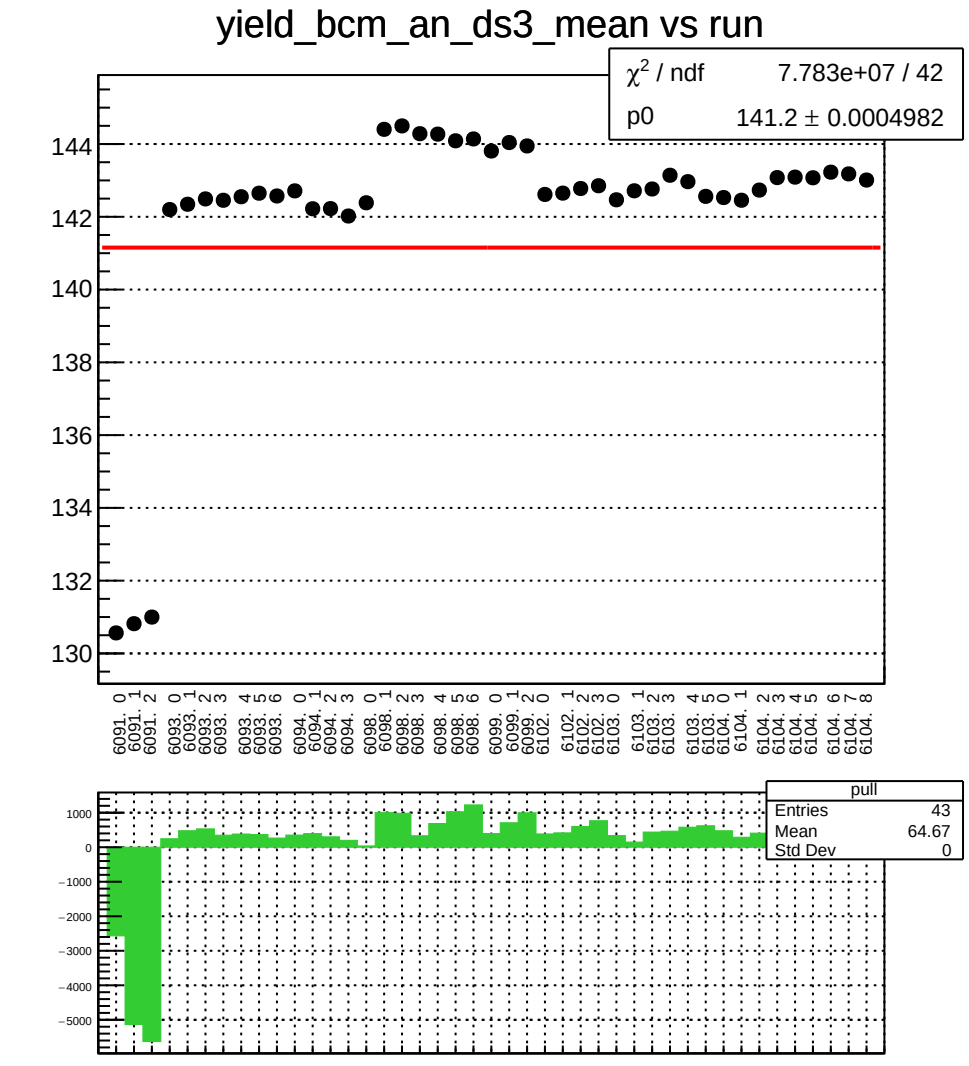

yield_bcm_an_diff_mean vs run
×10^3
χ² / ndf 2.265e+07 / 42
p0 2.821e+04 ± 8.752
100
80
60
40
20
0
−20
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean −100.6
Std Dev 0
1500
1000
500
0
−500
−1000
pull1D
Entries 43
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

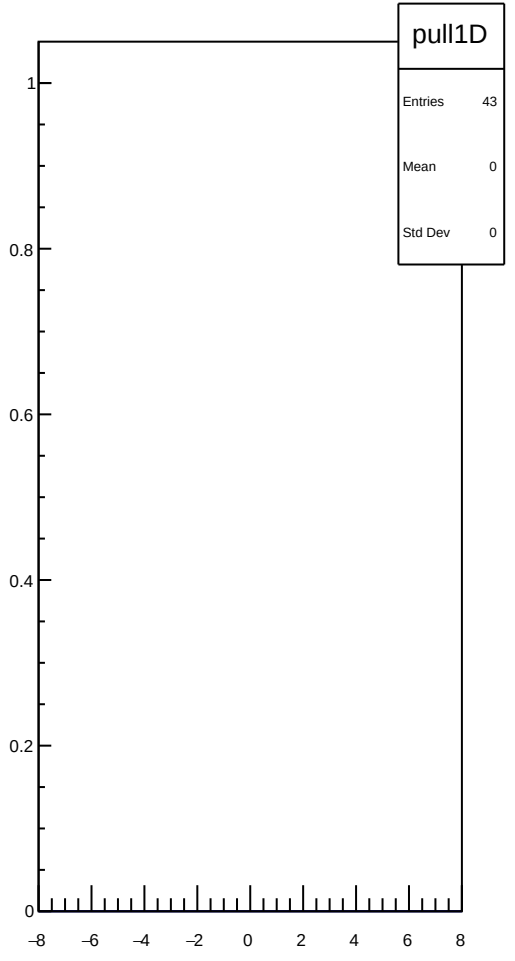

yield_bcm_an_diff_rms vs run
χ² / ndf 4.976e+04 / 42
p0 5458 ± 6.188
12000
11000
10000
9000
8000
7000
6000
5000
4000
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

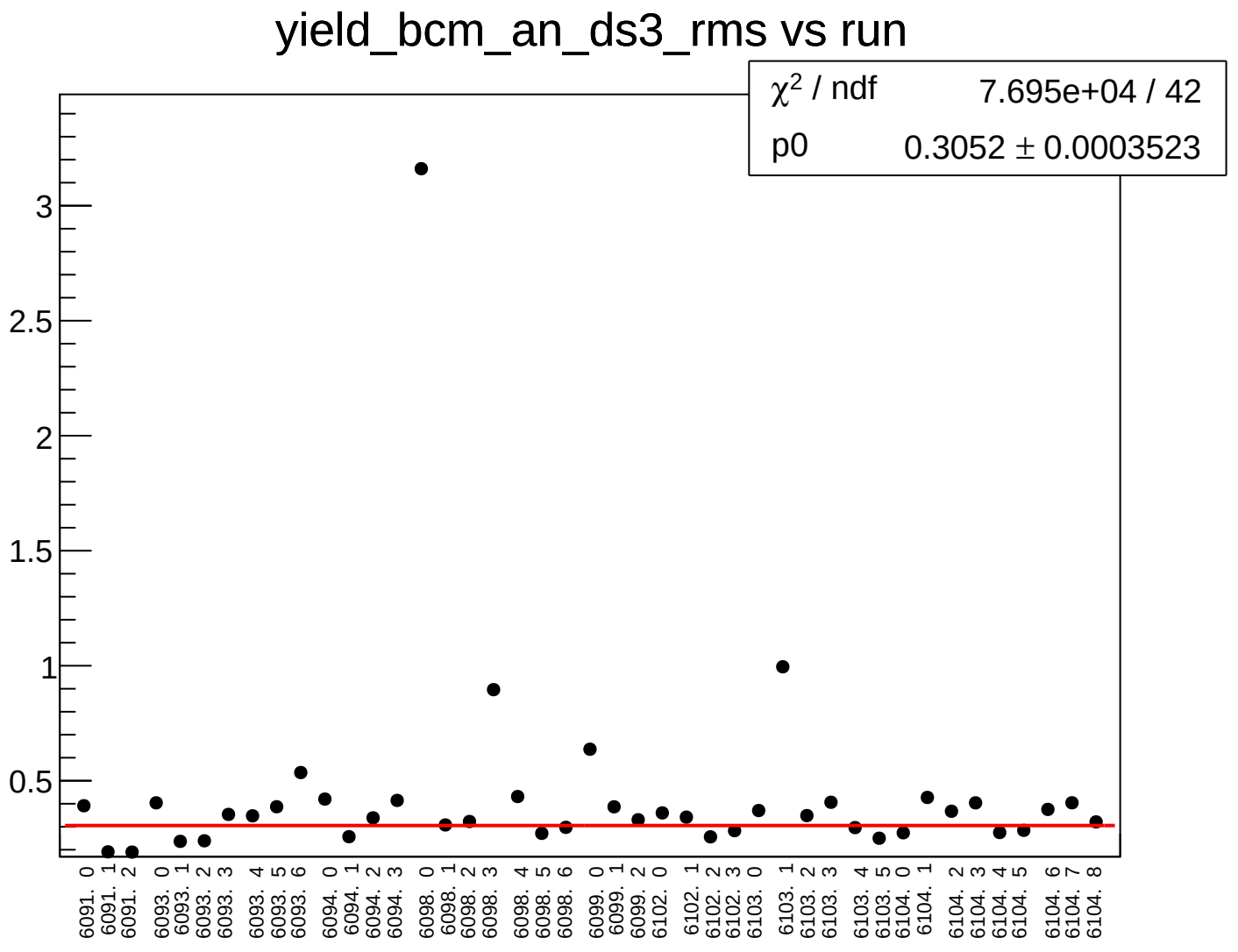

yield_bcm_an_ds_mean vs run
χ² / ndf 7.84e+07 / 42
p0 141 ± 0.0004954
144
142
140
138
136
134
132
130
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 64.69
Std Dev 0
1000
0
−1000
−2000
−3000
−4000
−5000

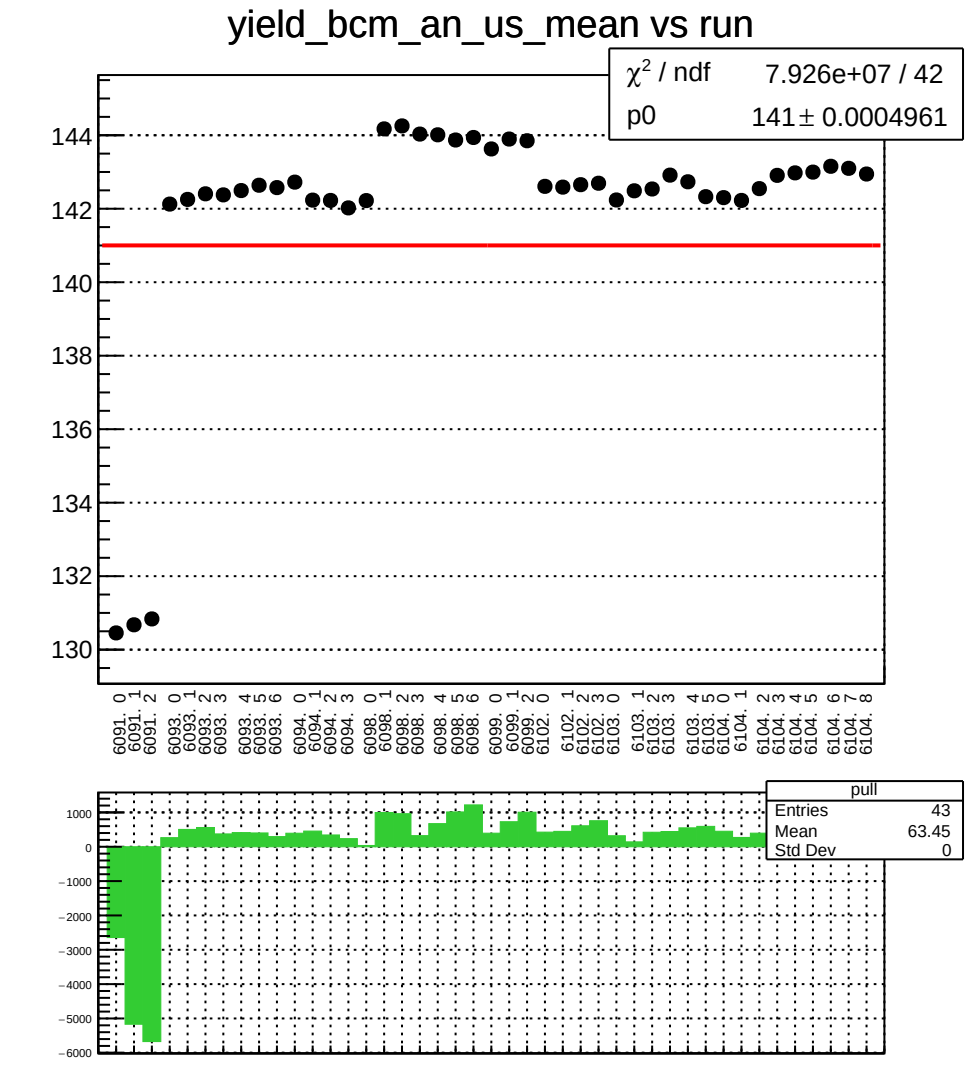

pull1D
Entries 43
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

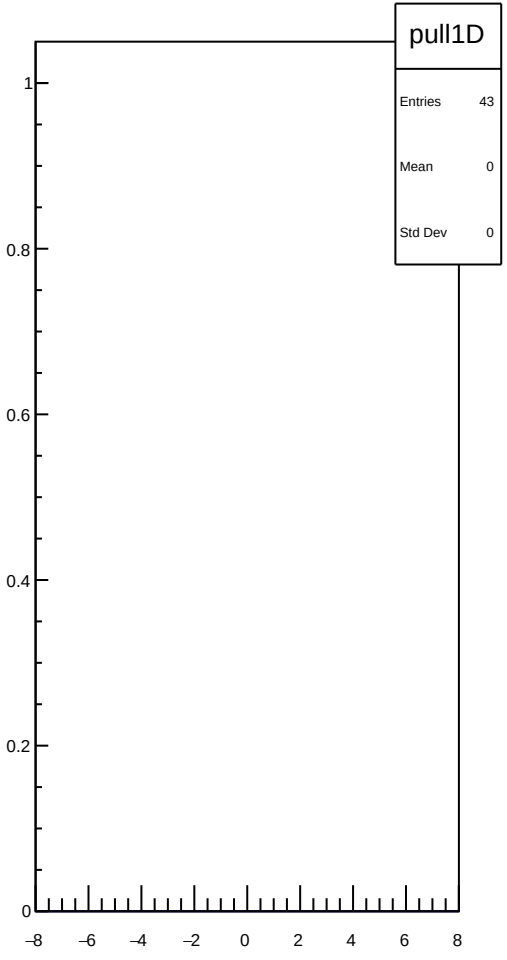

yield_bcm_an_ds_rms vs run
χ² / ndf 7.689e+04 / 42
p0 0.3035 ± 0.0003503
3
2.5
2
1.5
1
0.5
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

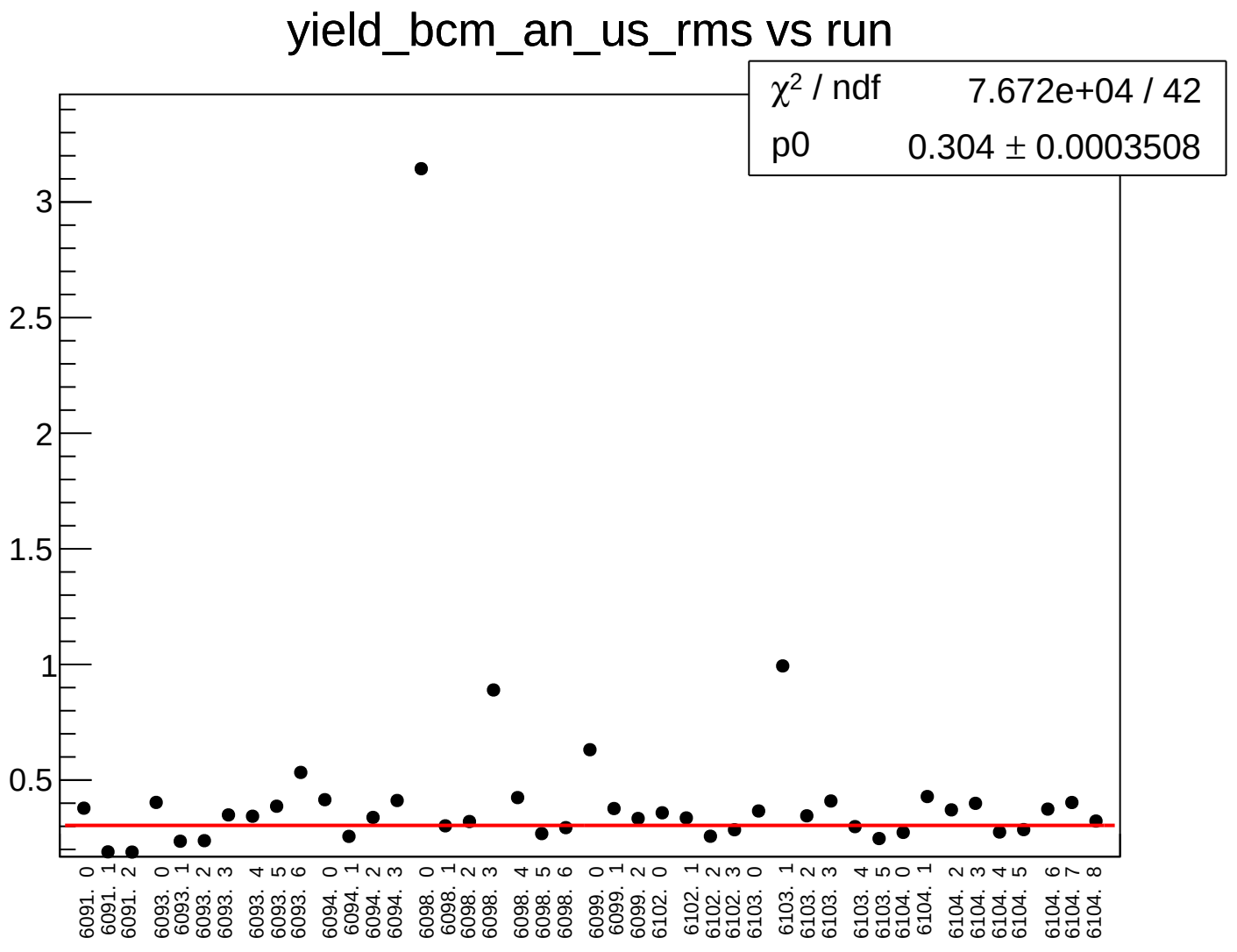

yield_bcm_an_ds3_mean vs run
χ² / ndf 7.783e+07 / 42
p0 141.2 ± 0.0004982
144
142
140
138
136
134
132
130
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 64.67
Std Dev 0
1000
0
−1000
−2000
−3000
−4000
−5000

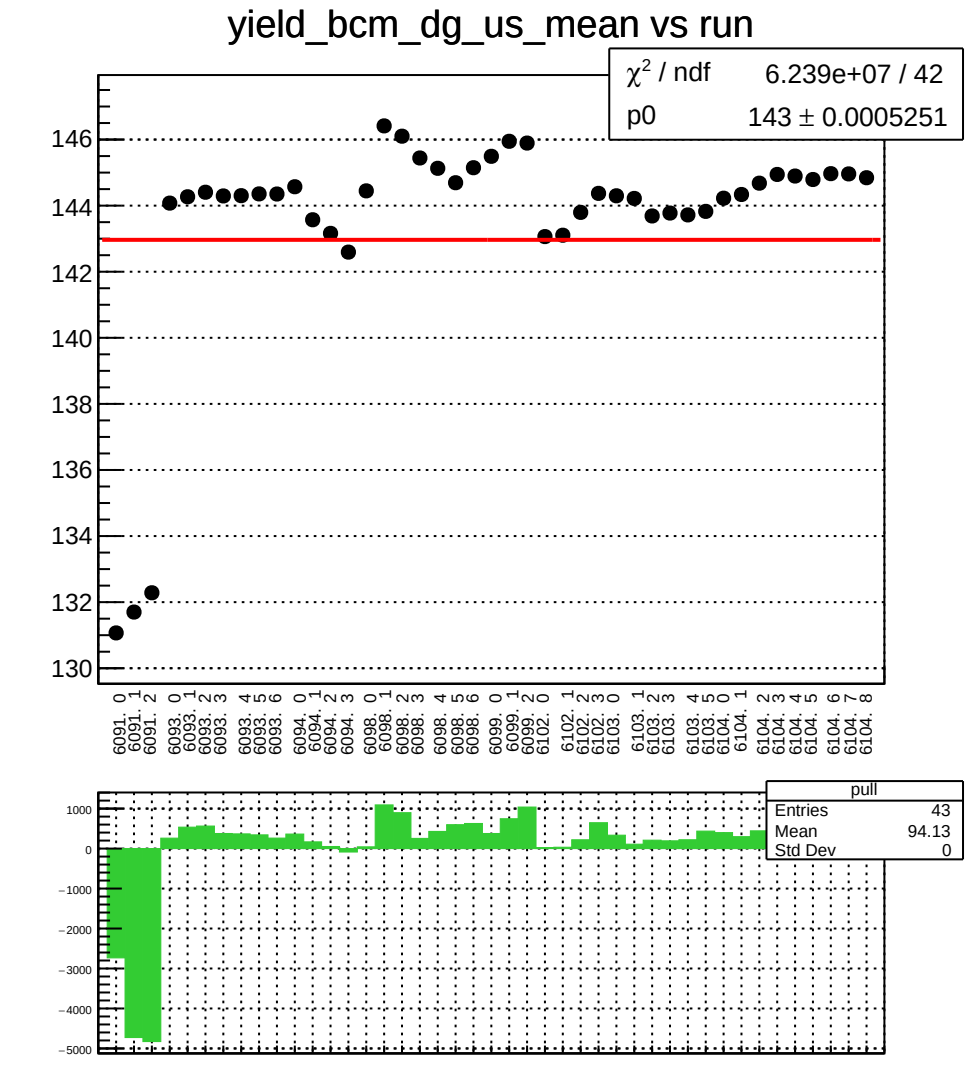

pull1D
Entries 43
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

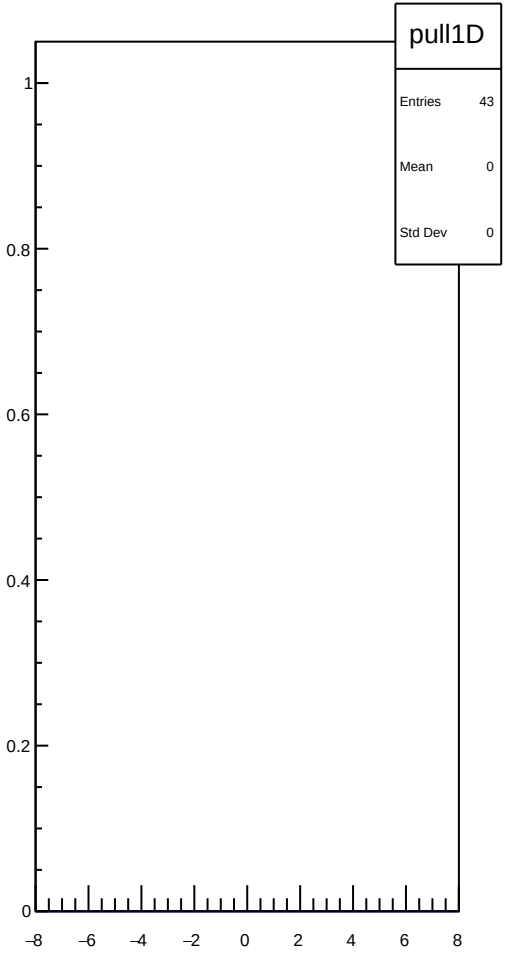

yield_bcm_an_ds3_rms vs run
χ² / ndf 7.695e+04 / 42
p0 0.3052 ± 0.0003523
3
2.5
2
1.5
1
0.5
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

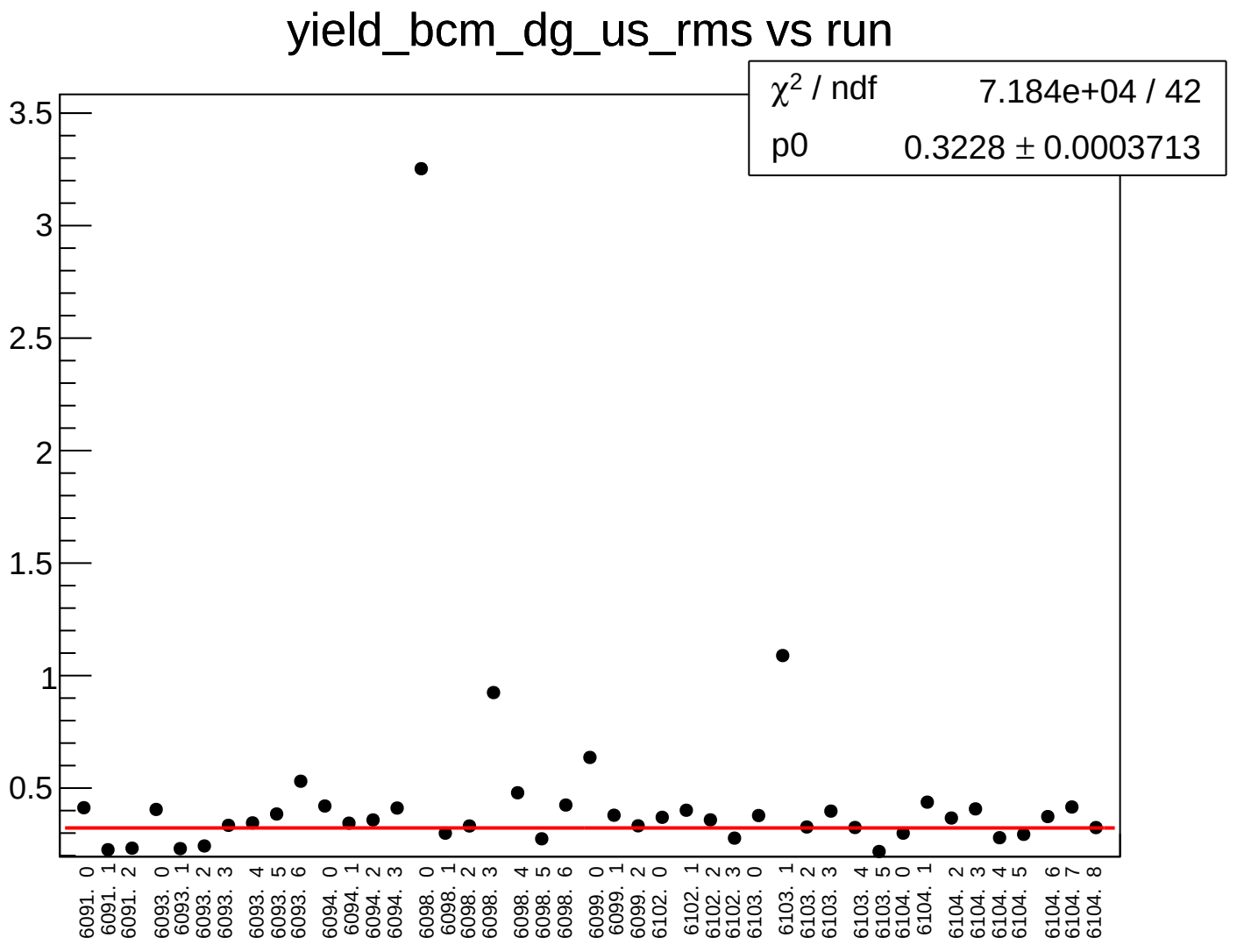

yield_bcm_an_us_mean vs run
χ² / ndf 7.926e+07 / 42
p0 141 ± 0.0004961
144
142
140
138
136
134
132
130
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 63.45
Std Dev 0
1000
0
−1000
−2000
−3000
−4000
−5000
−6000

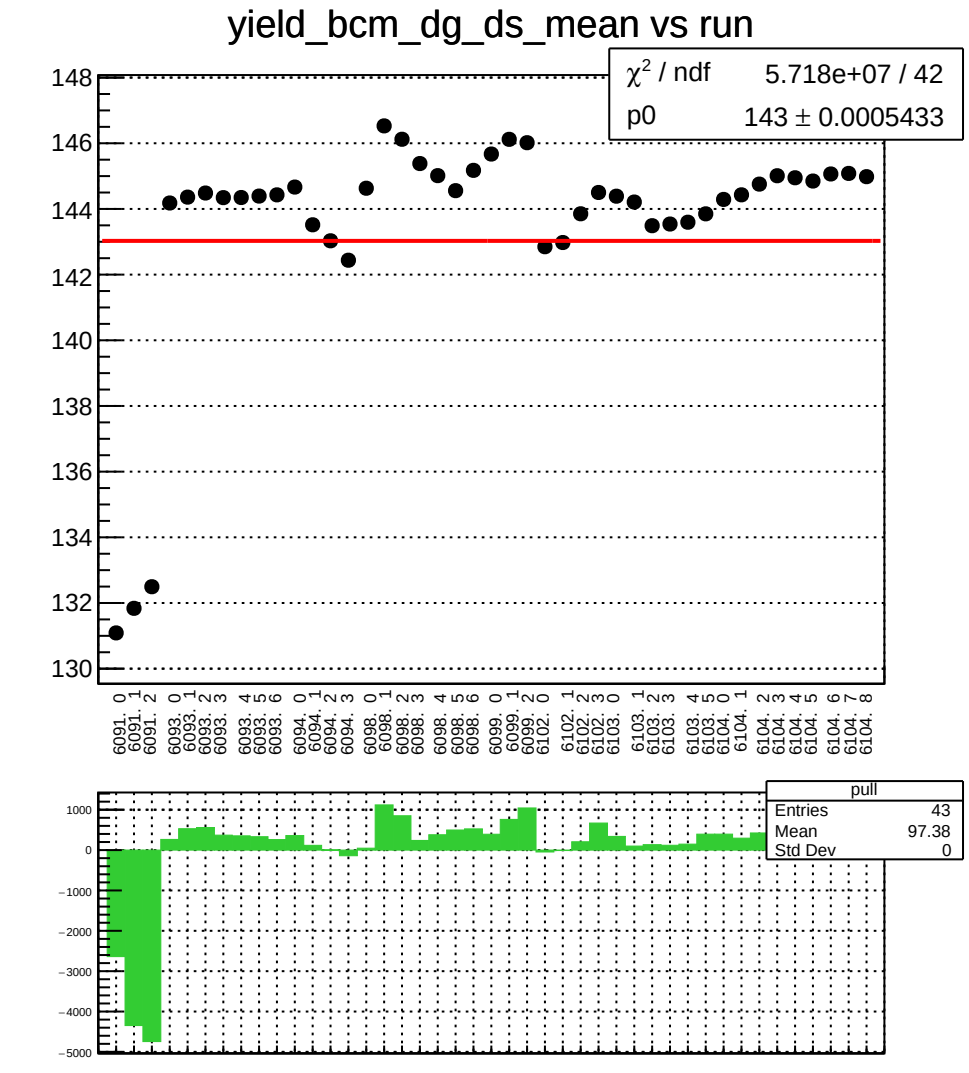

pull1D
Entries 43
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

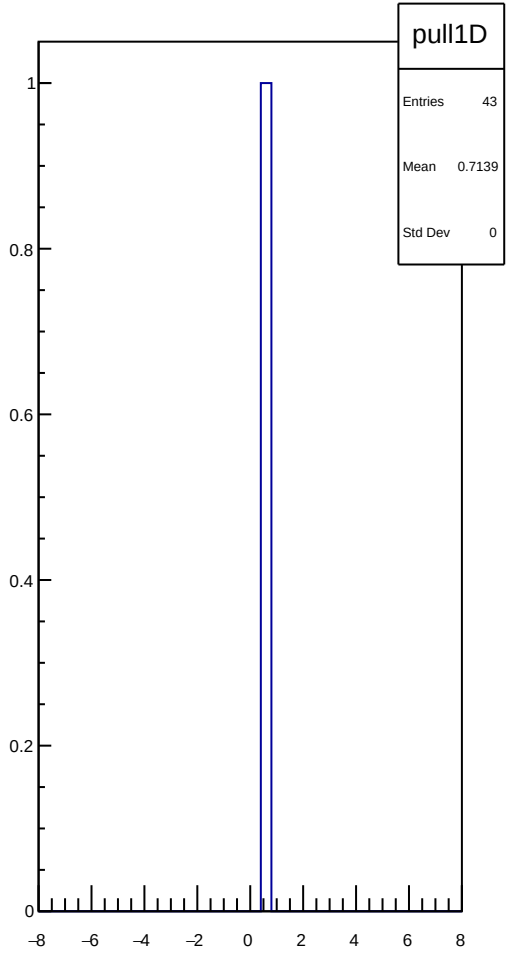

yield_bcm_an_us_rms vs run
χ² / ndf 7.672e+04 / 42
p0 0.304 ± 0.0003508
3
2.5
2
1.5
1
0.5
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

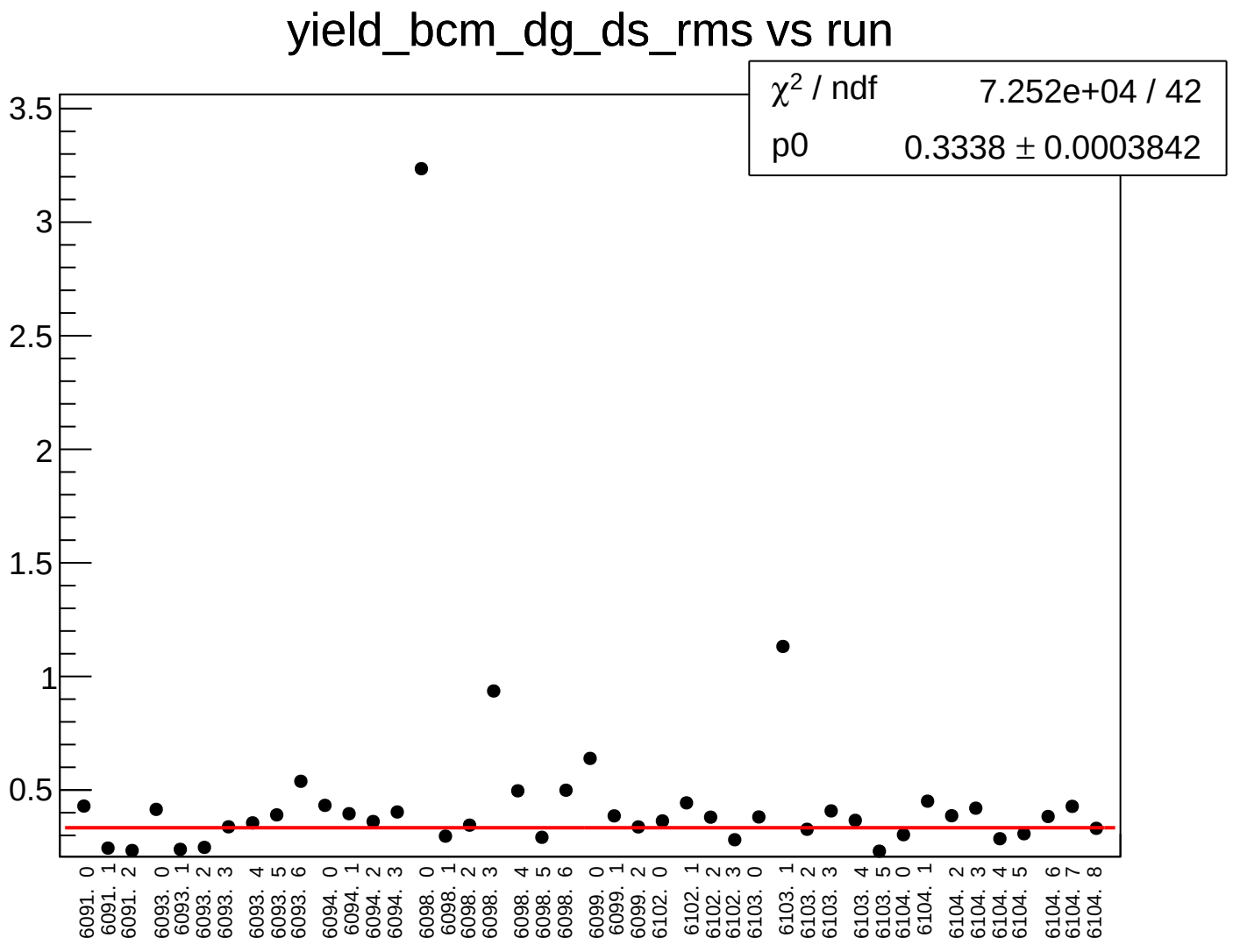

yield_bcm_dg_us_mean vs run
χ² / ndf 6.239e+07 / 42
p0 143 ± 0.0005251
146
144
142
140
138
136
134
132
130
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 94.13
Std Dev 0
1000
0
−1000
−2000
−3000
−4000
−5000

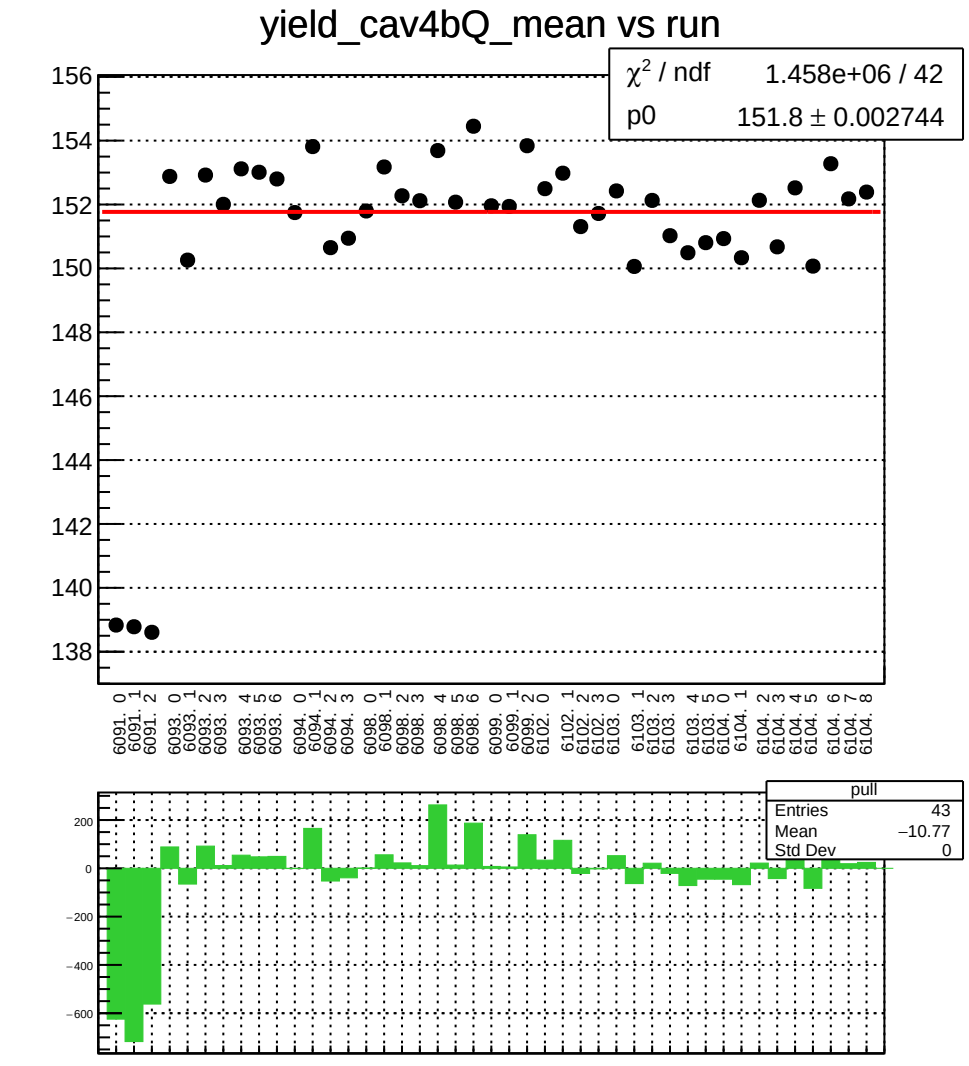

pull1D
Entries 43
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

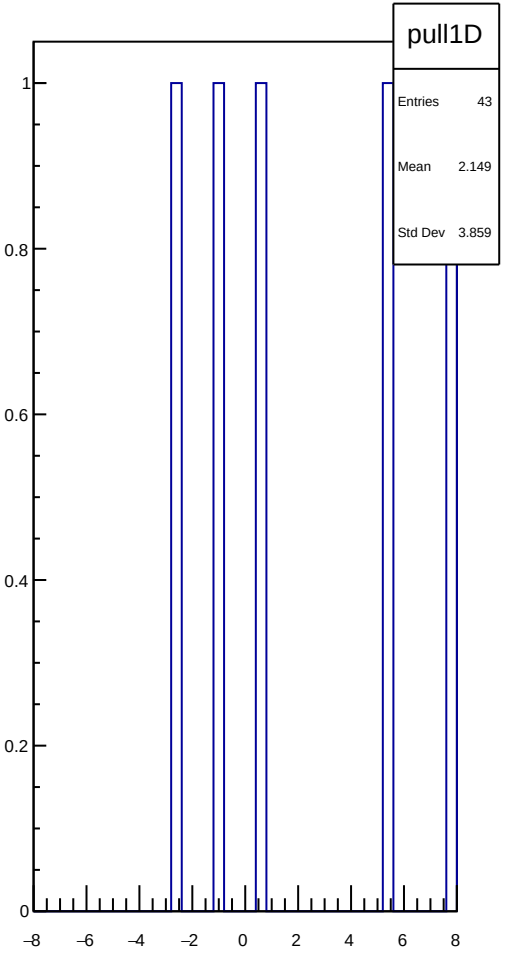

yield_bcm_dg_us_rms vs run
χ2 / ndf 7.184e+04 / 42
p0 0.3228 ± 0.0003713
3.5
3
2.5
2
1.5
1
0.5
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

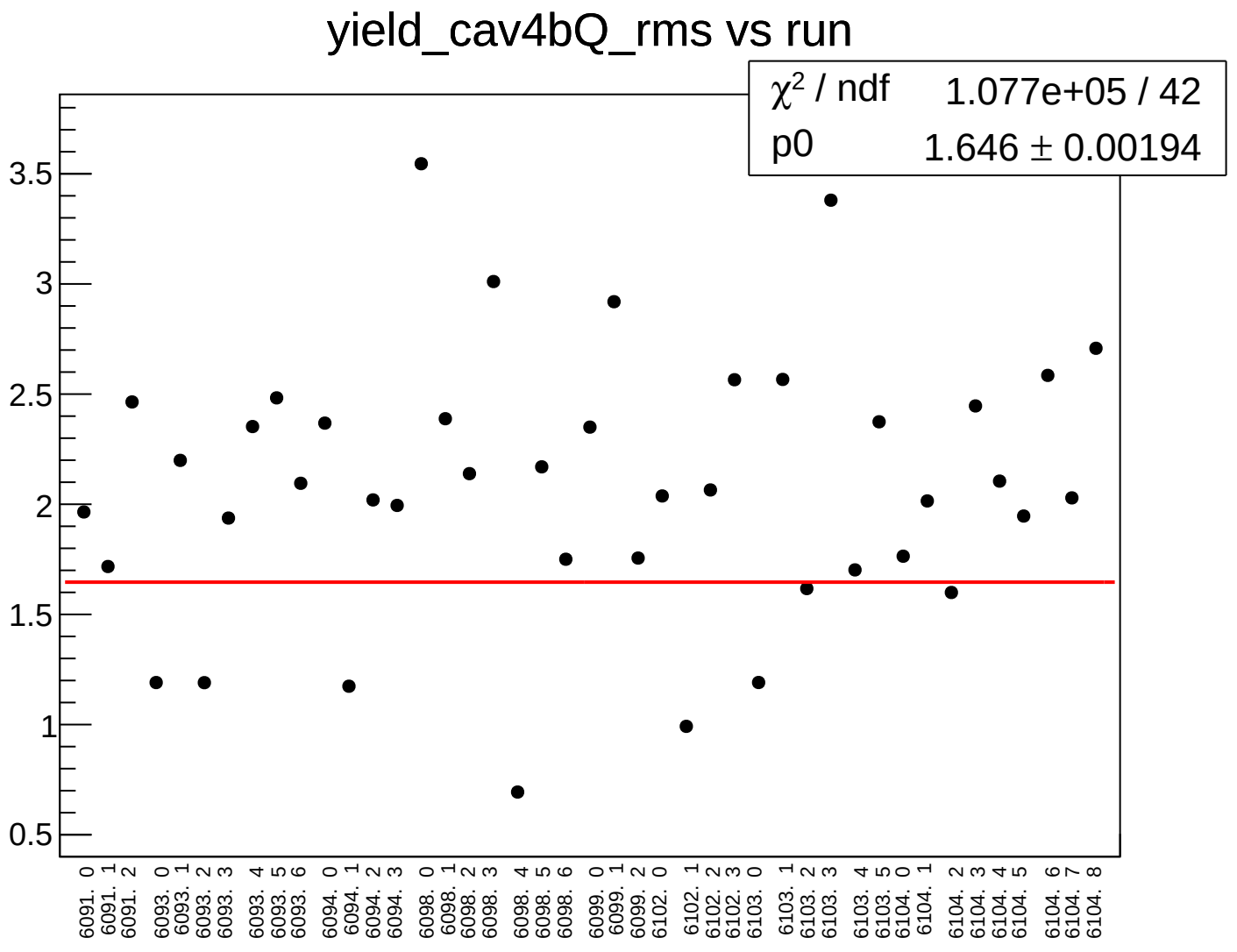

yield_bcm_dg_ds_mean vs run
χ² / ndf 5.718e+07 / 42
p0 143 ± 0.0005433
148
146
144
142
140
138
136
134
132
130
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 97.38
Std Dev 0
1000
0
−1000
−2000
−3000
−4000
−5000

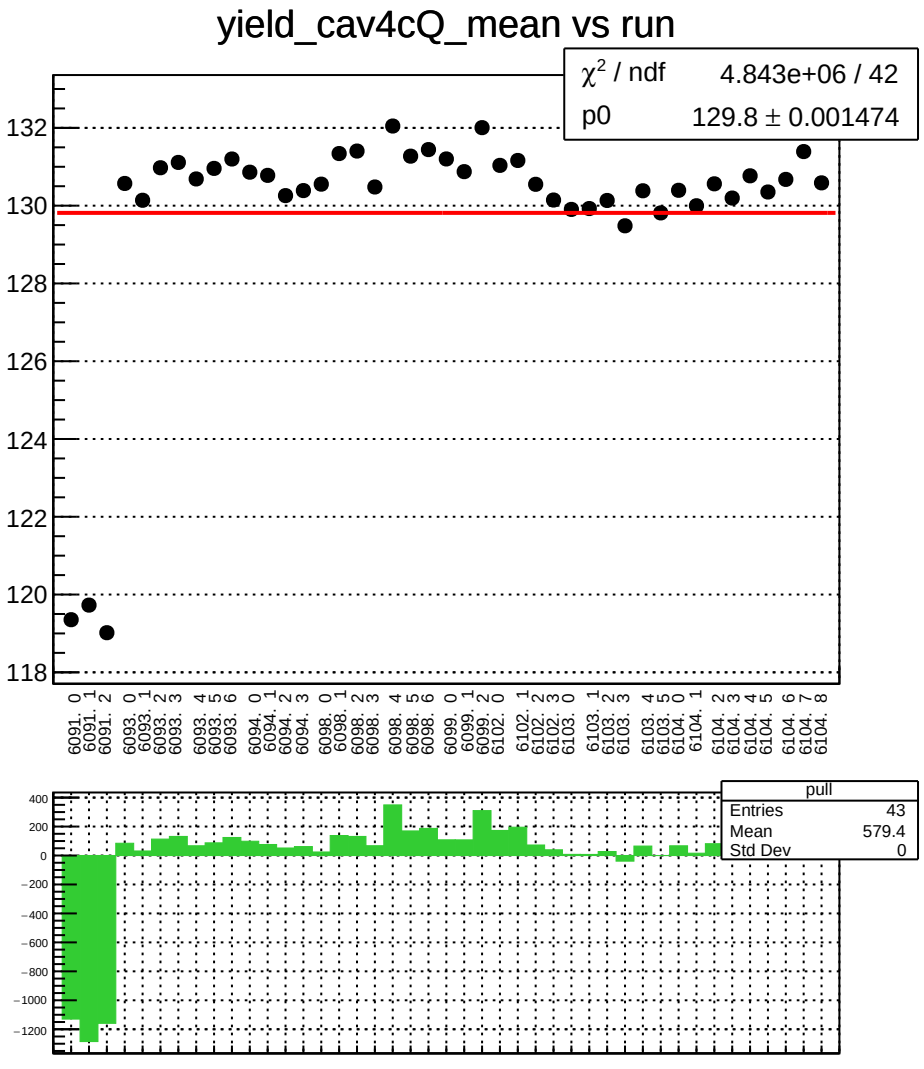

pull1D
Entries 43
Mean 0.7139
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

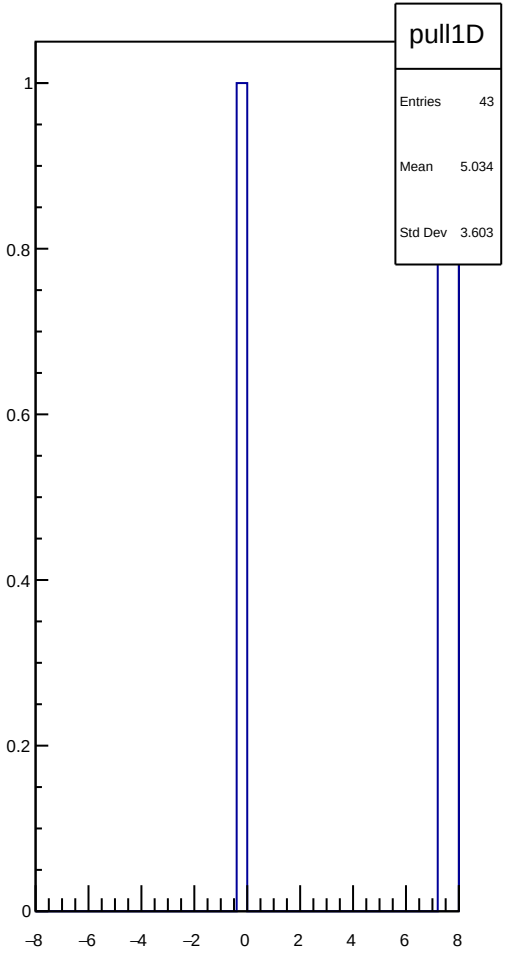

yield_bcm_dg_ds_rms vs run
χ2 / ndf 7.252e+04 / 42
p0 0.3338 ± 0.0003842
3.5
3
2.5
2
1.5
1
0.5
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

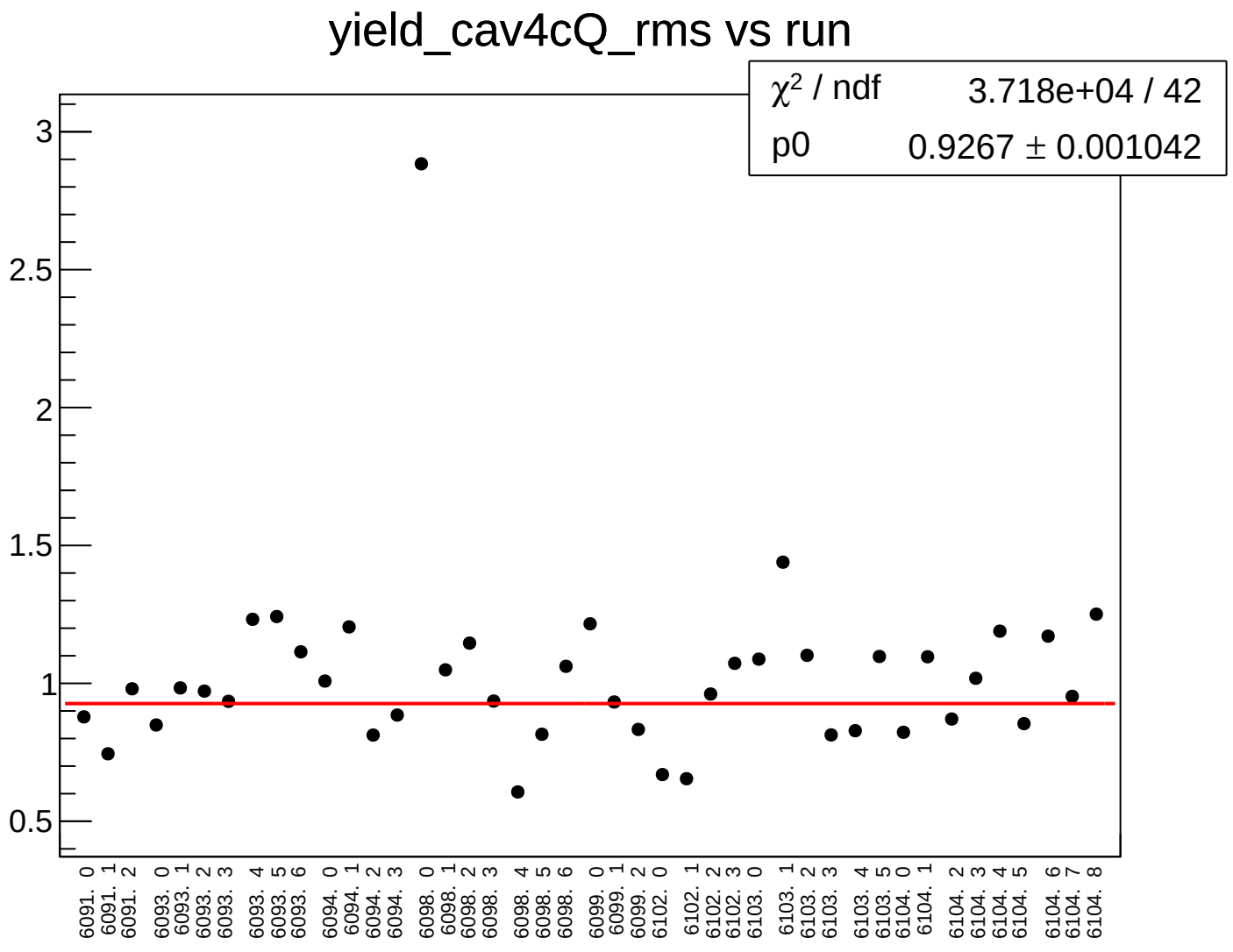

yield_cav4bQ_mean vs run
χ² / ndf 1.458e+06 / 42
p0 151.8 ± 0.002744
156
154
152
150
148
146
144
142
140
138
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean −10.77
Std Dev 0
200
0
−200
−400
−600

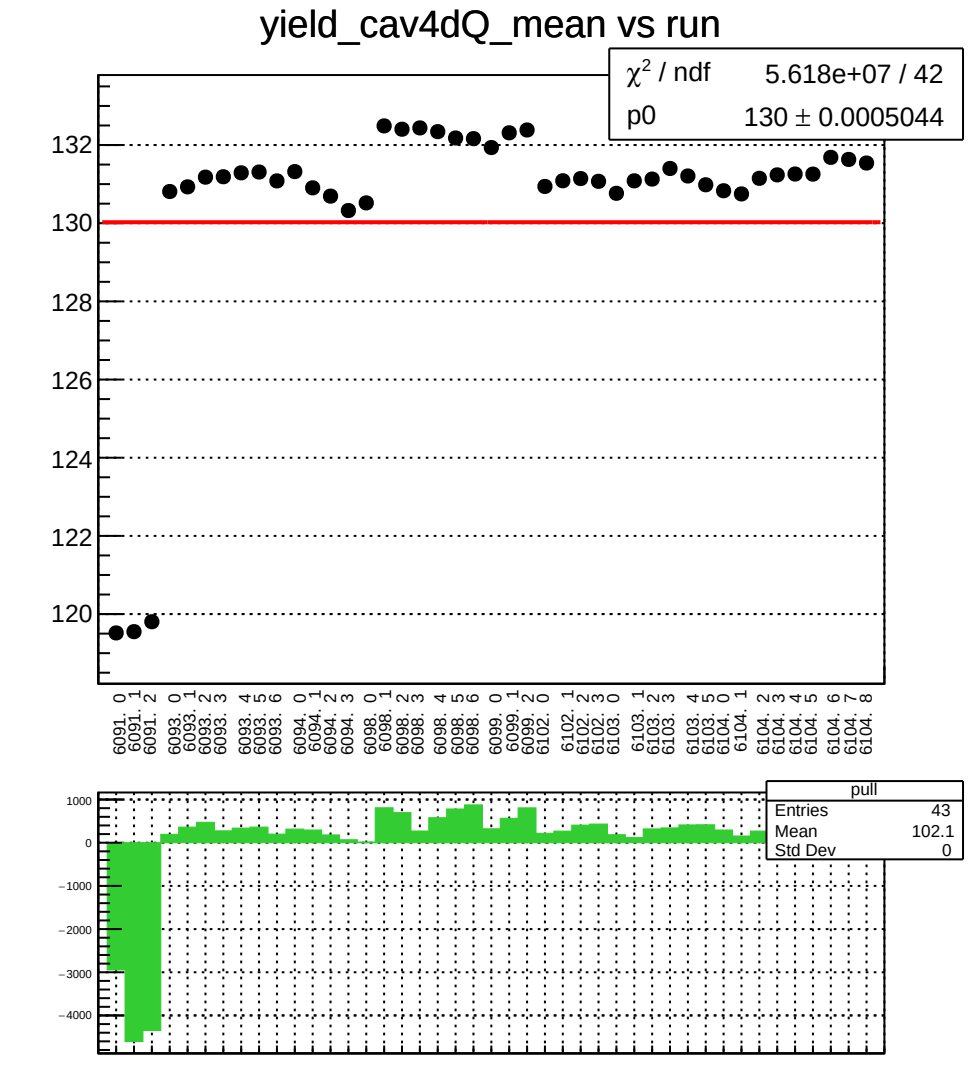

pull1D
Entries 43
Mean 2.149
Std Dev 3.859
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

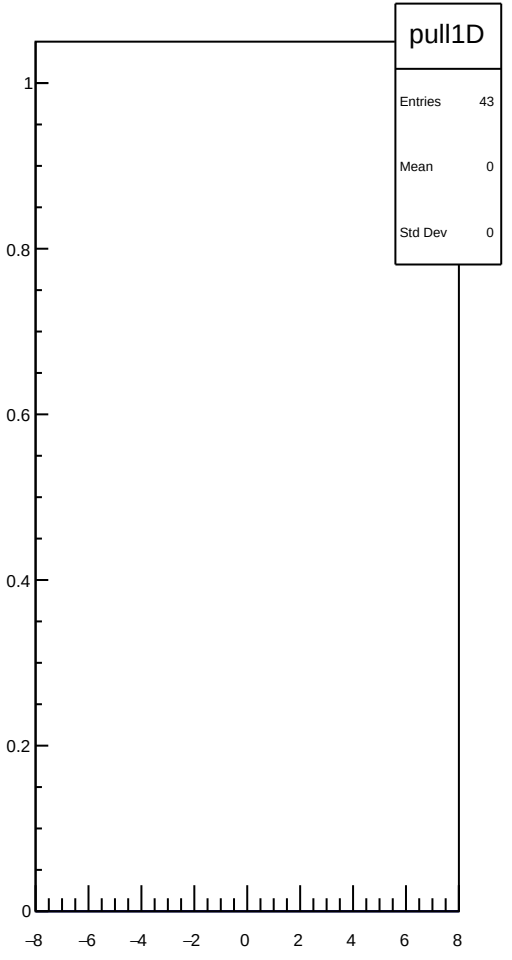

yield_cav4bQ_rms vs run
χ² / ndf 1.077e+05 / 42
p0 1.646 ± 0.00194
3.5
3
2.5
2
1.5
1
0.5
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

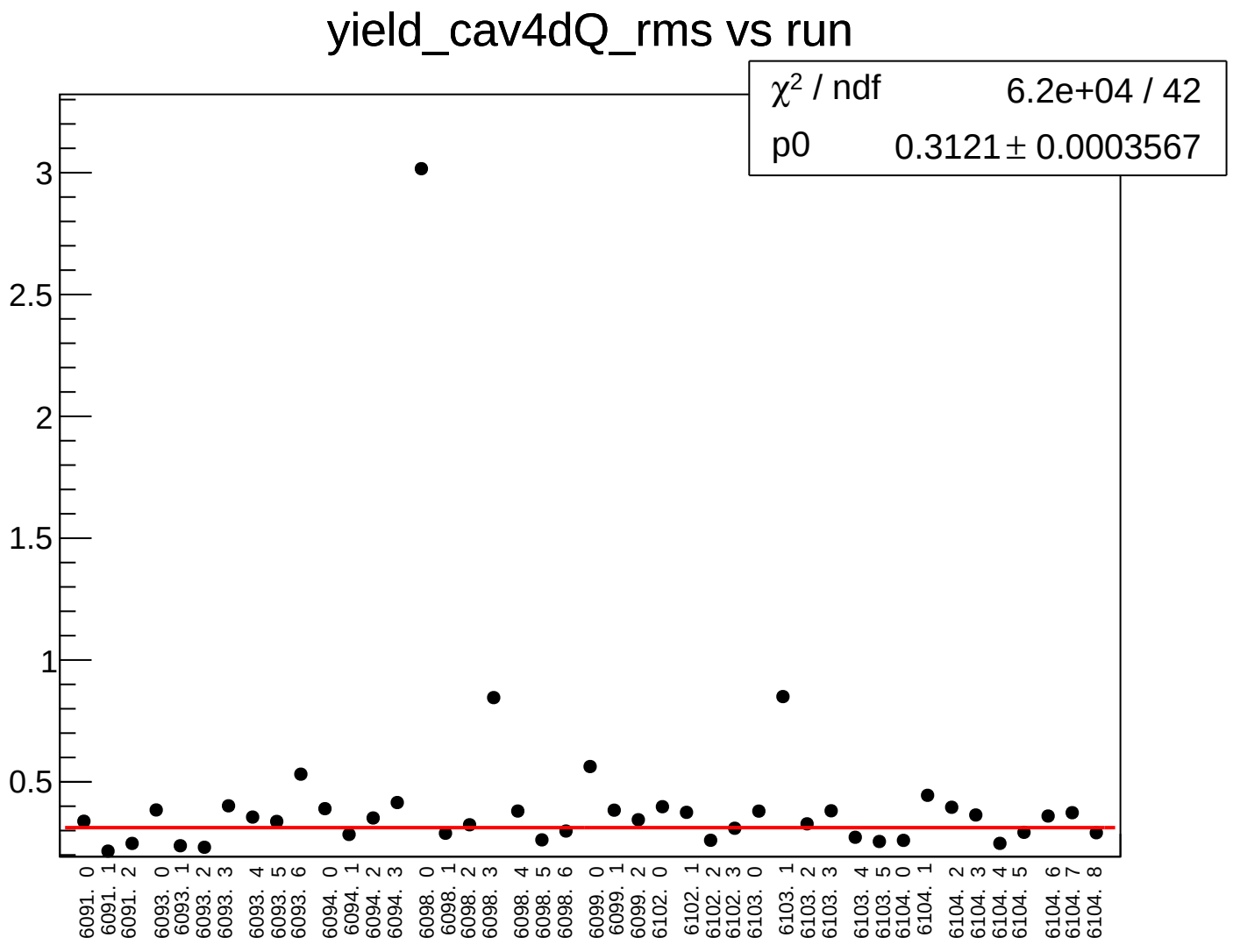

yield_cav4cQ_mean vs run
χ² / ndf 4.843e+06 / 42
p0 129.8 ± 0.001474
132
130
128
126
124
122
120
118
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 579.4
Std Dev 0
400
200
0
−200
−400
−600
−800
−1000
−1200

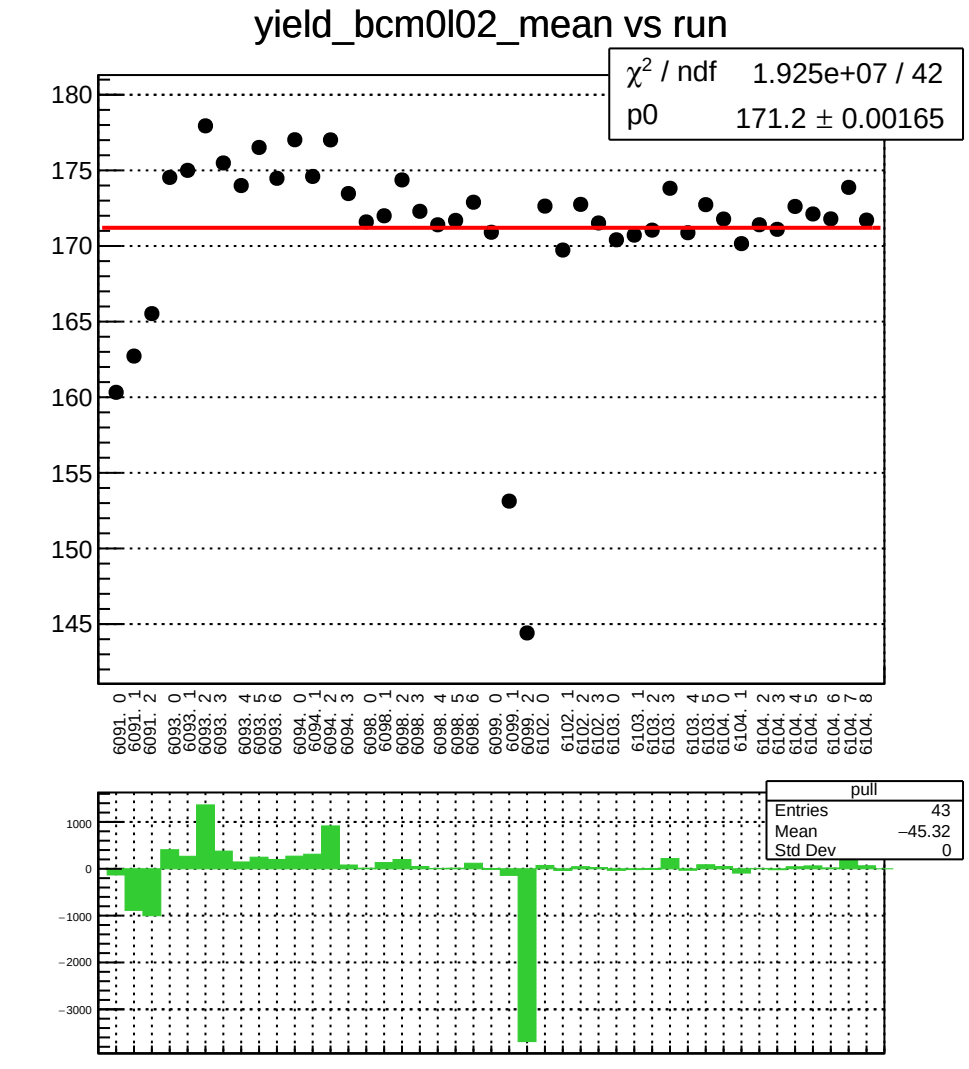

pull1D
Entries 43
Mean 5.034
Std Dev 3.603
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

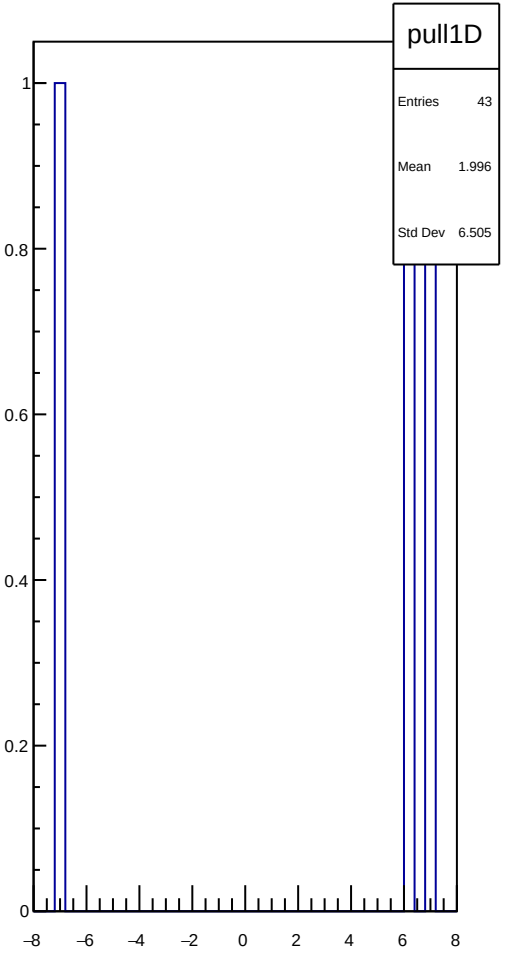

yield_cav4cQ_rms vs run
χ² / ndf 3.718e+04 / 42
p0 0.9267 ± 0.001042
3
2.5
2
1.5
1
0.5
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

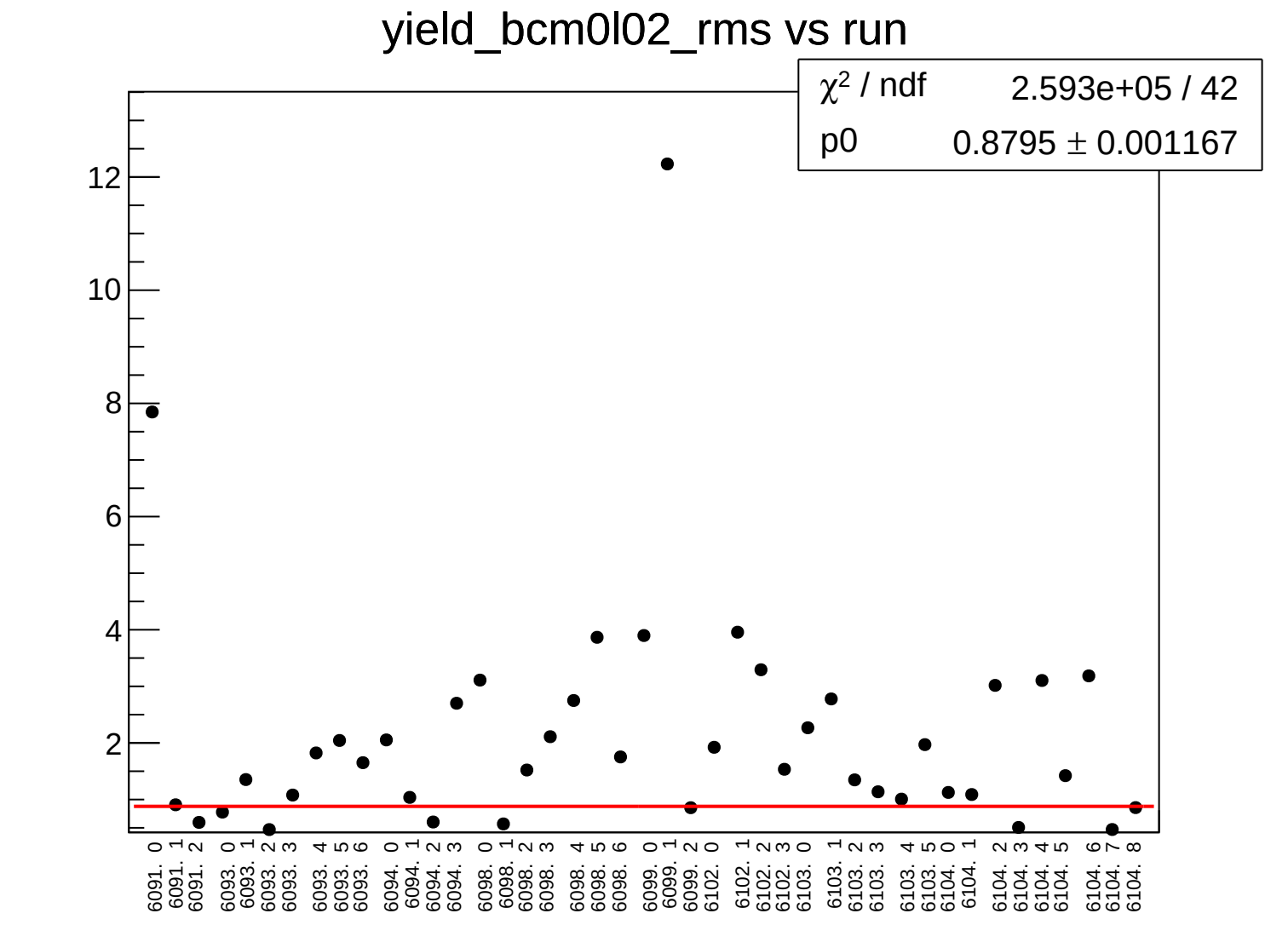

yield_cav4dQ_mean vs run
χ² / ndf 5.618e+07 / 42
p0 130 ± 0.0005044
132
130
128
126
124
122
120
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 102.1
Std Dev 0
1000
0
−1000
−2000
−3000
−4000

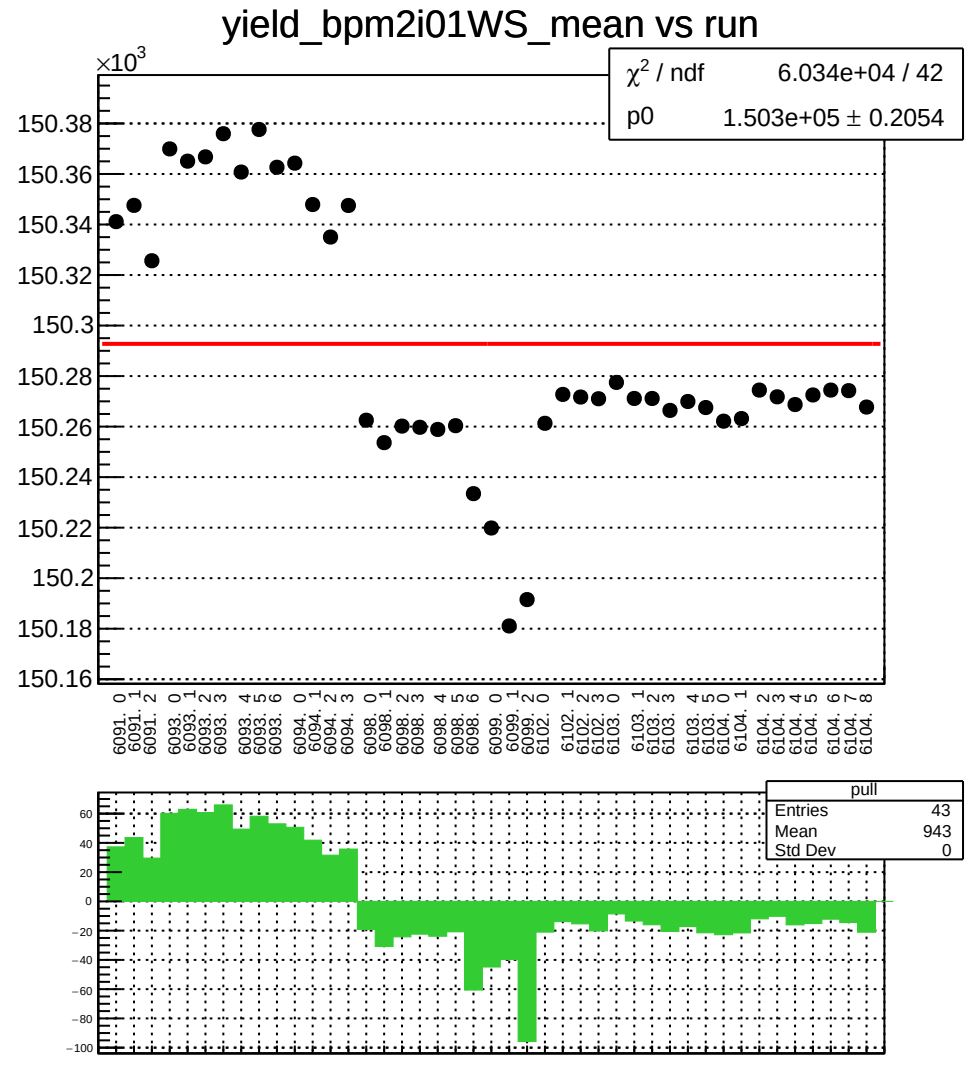

pull1D
Entries 43
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

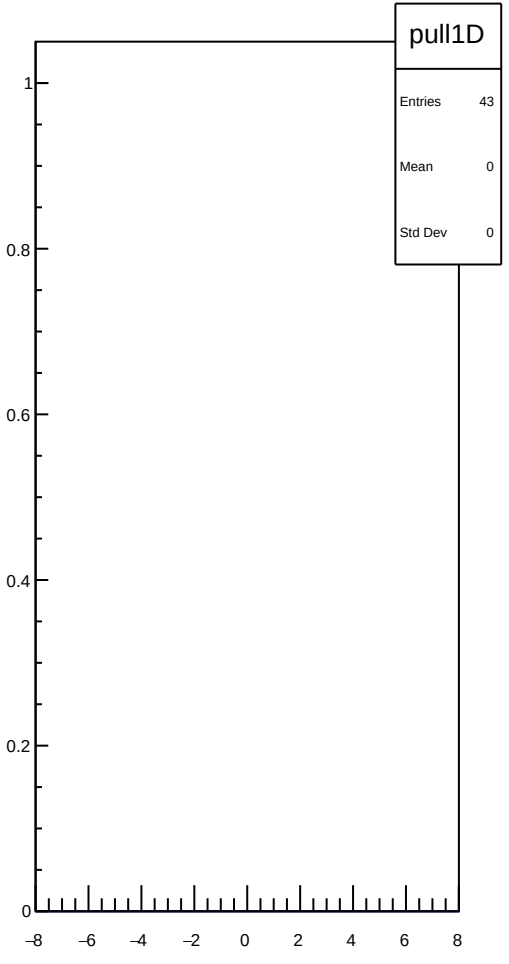

yield_cav4dQ_rms vs run
χ² / ndf 6.2e+04 / 42
p0 0.3121 ± 0.0003567
3
2.5
2
1.5
1
0.5
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

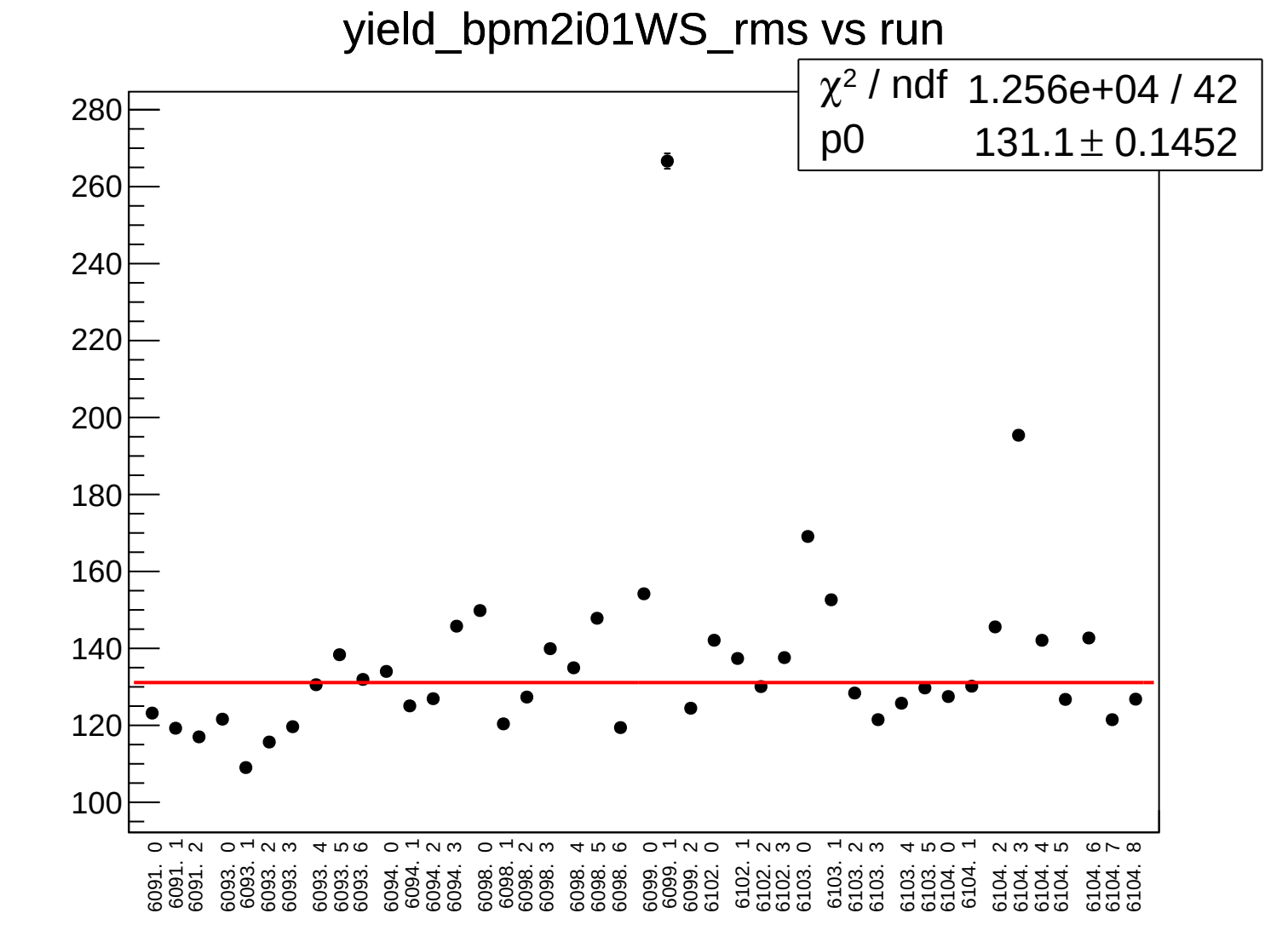

yield_bcm0l02_mean vs run
χ² / ndf 1.925e+07 / 42
p0 171.2 ± 0.00165
180
175
170
165
160
155
150
145
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean −45.32
Std Dev 0
1000
0
−1000
−2000
−3000

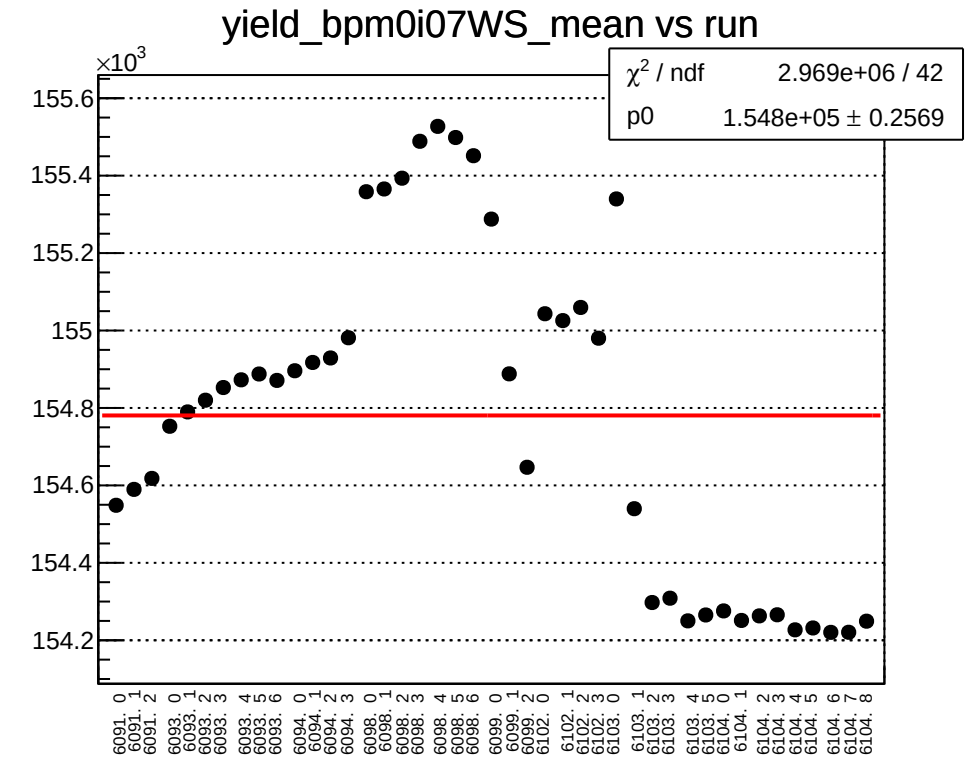

pull1D
Entries 43
Mean 1.996
Std Dev 6.505
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

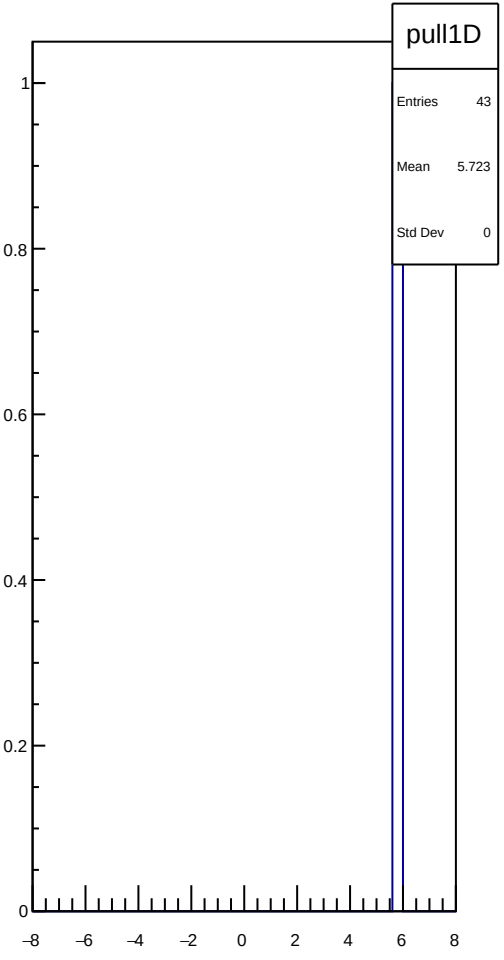

yield_bcm0l02_rms vs run
χ² / ndf 2.593e+05 / 42
p0 0.8795 ± 0.001167
12
10
8
6
4
2
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

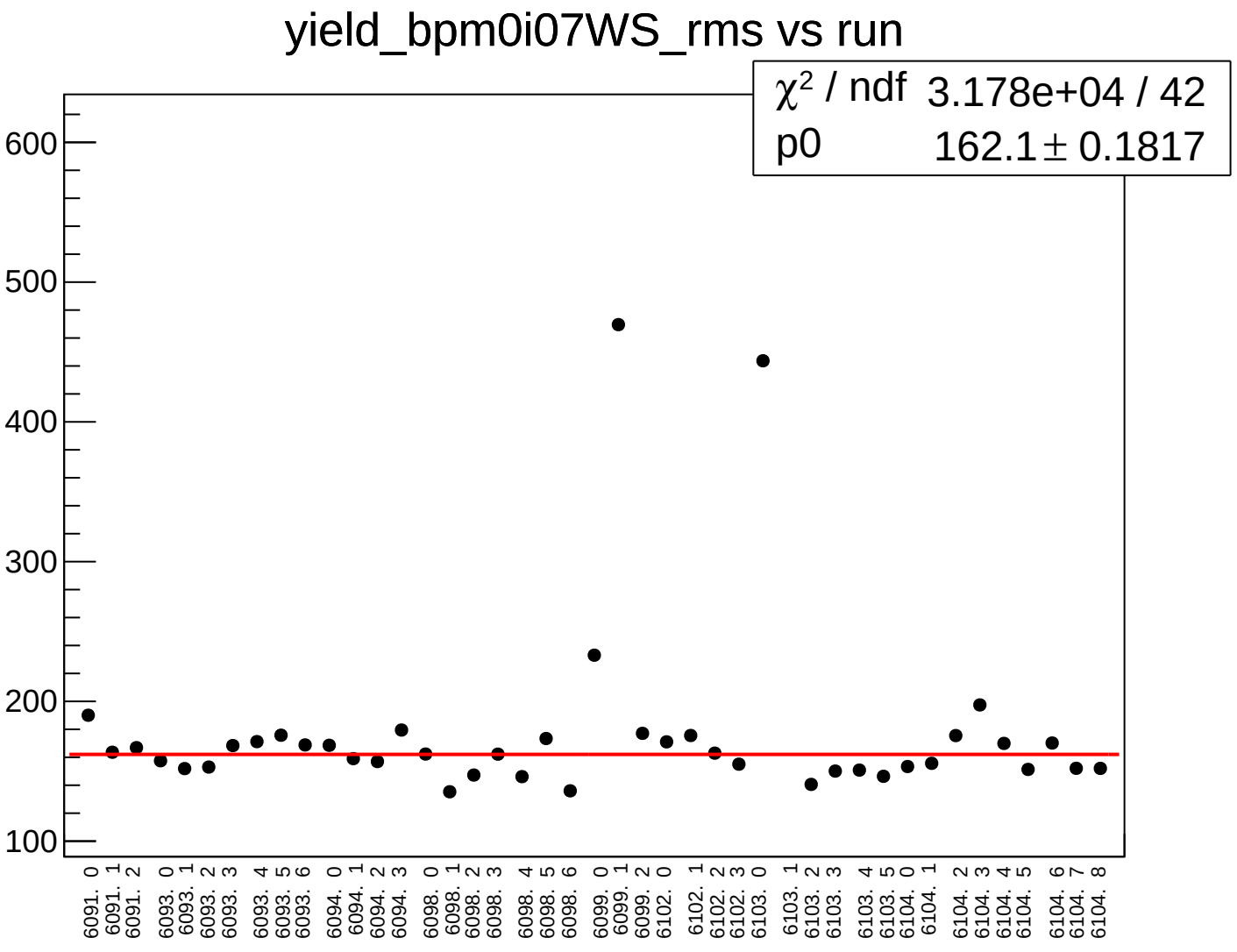

yield_bpm2i01WS_mean vs run
×10^3
χ^2 / ndf 6.034e+04 / 42
p0 1.503e+05 ± 0.2054
150.38
150.36
150.34
150.32
150.3
150.28
150.26
150.24
150.22
150.2
150.18
150.16
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 943
Std Dev 0
60
40
20
0
−20
−40
−60
−80
−100

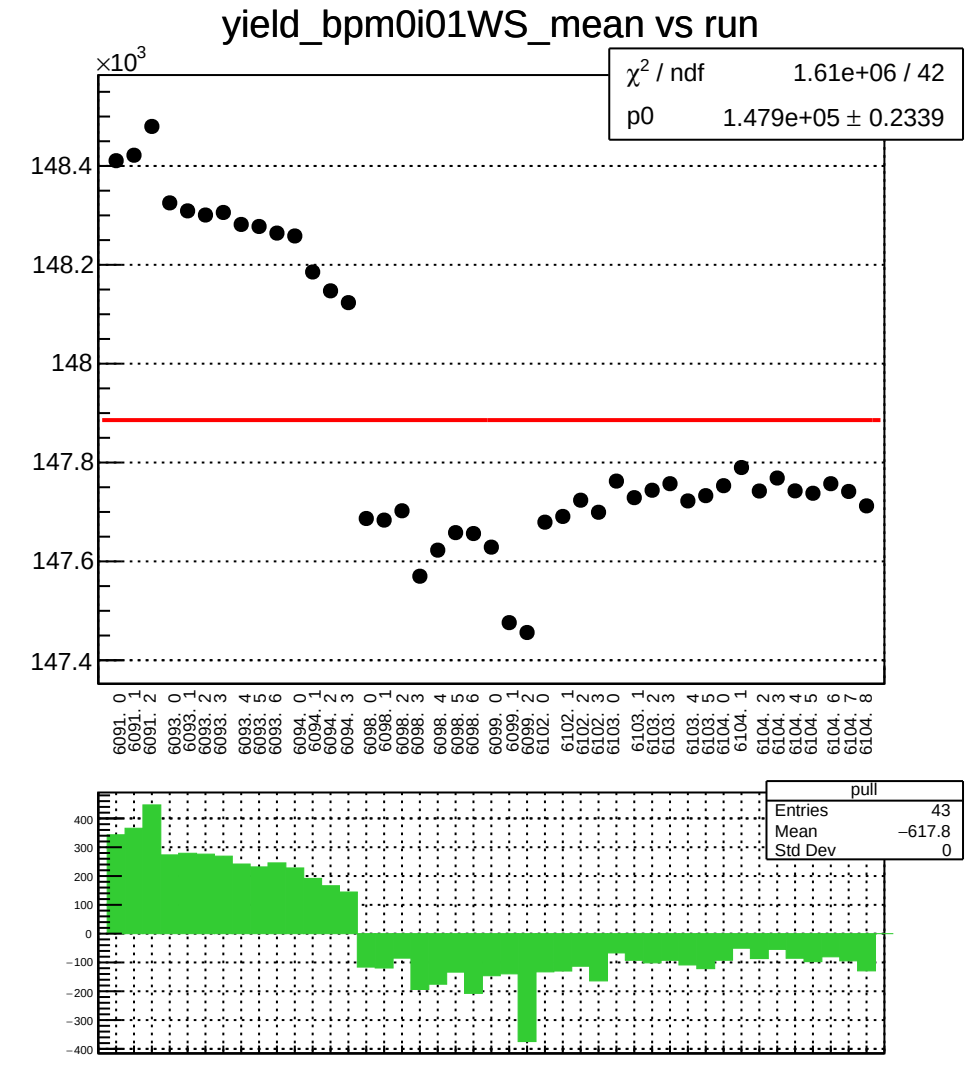

pull1D
Entries 43
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

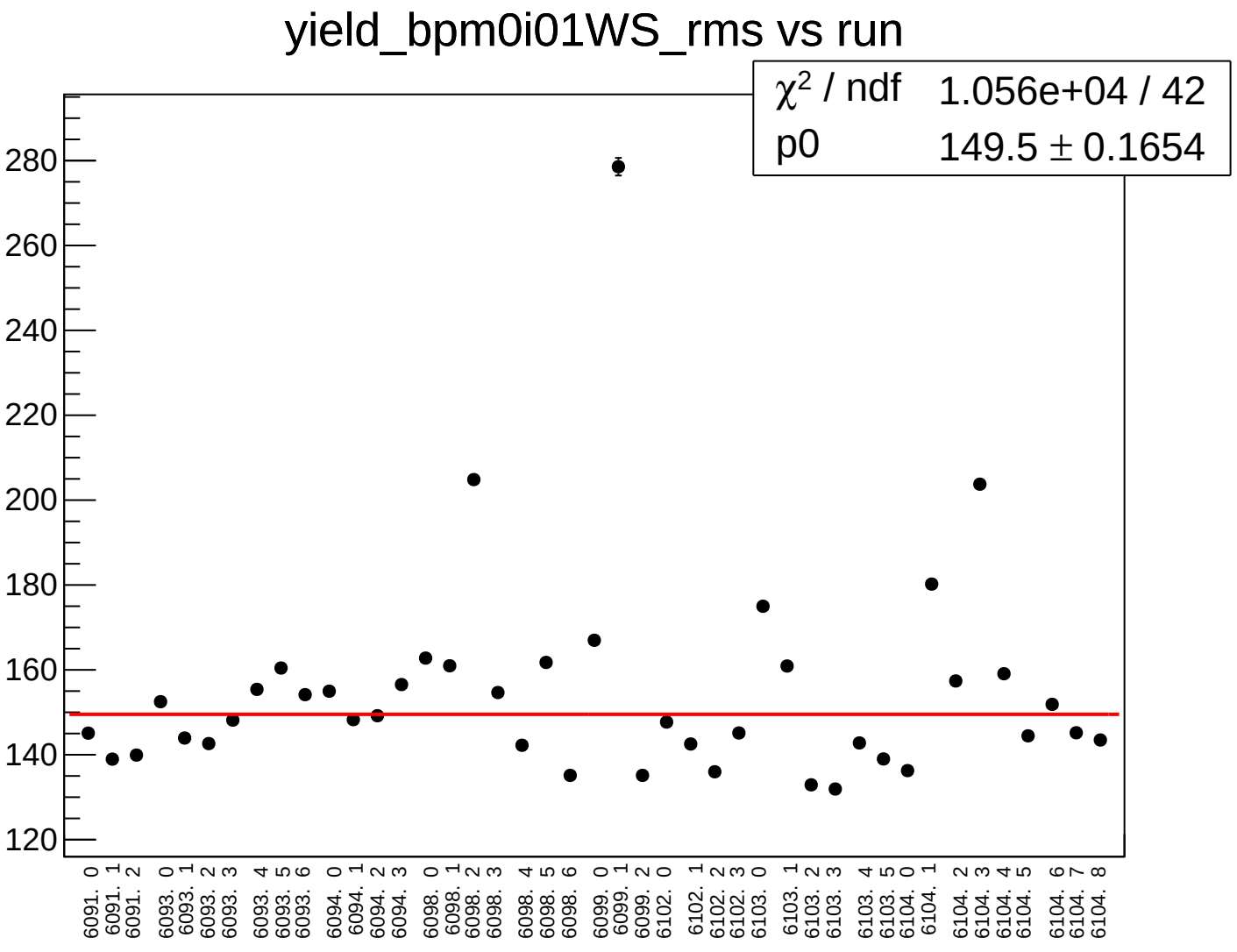

yield_bpm2i01WS_rms vs run
χ² / ndf 1.256e+04 / 42
p0 131.1 ± 0.1452
280
260
240
220
200
180
160
140
120
100
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

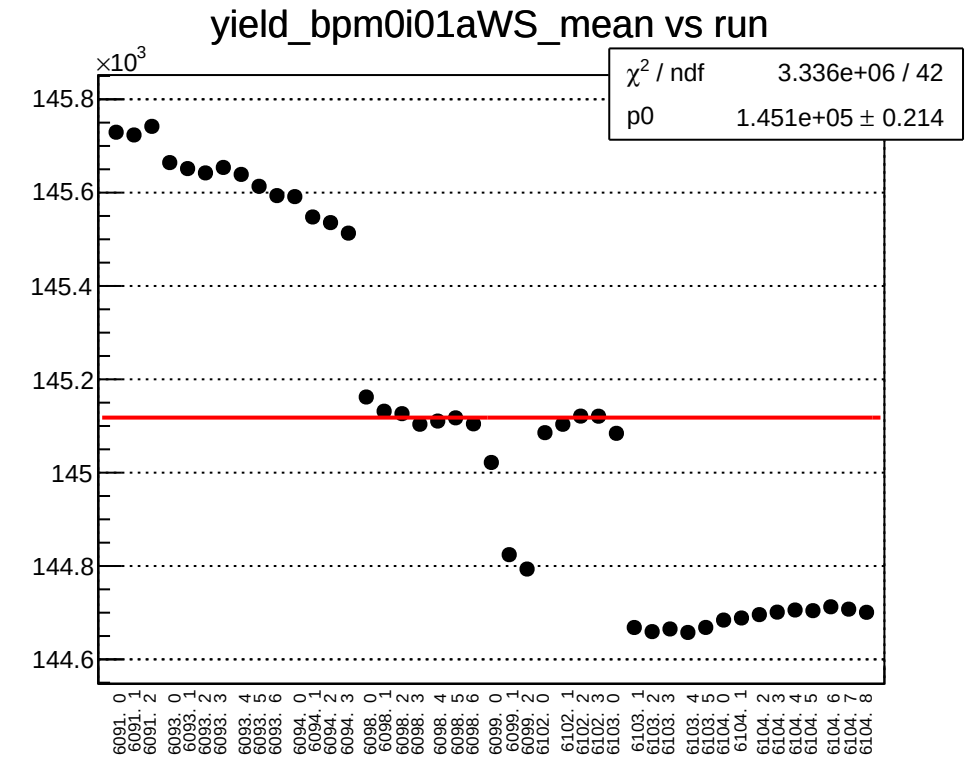

yield_bpm0i07WS_mean vs run
×10^3
χ² / ndf 2.969e+06 / 42
p0 1.548e+05 ± 0.2569
155.6
155.4
155.2
155
154.8
154.6
154.4
154.2
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 691.7
Std Dev 0
600
400
200
0
−200
−400

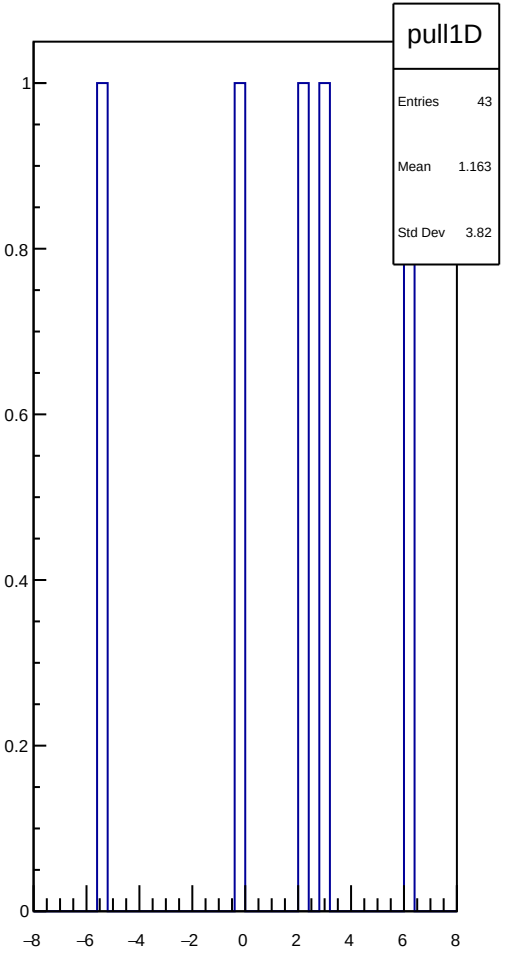

pull1D
Entries 43
Mean 5.723
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

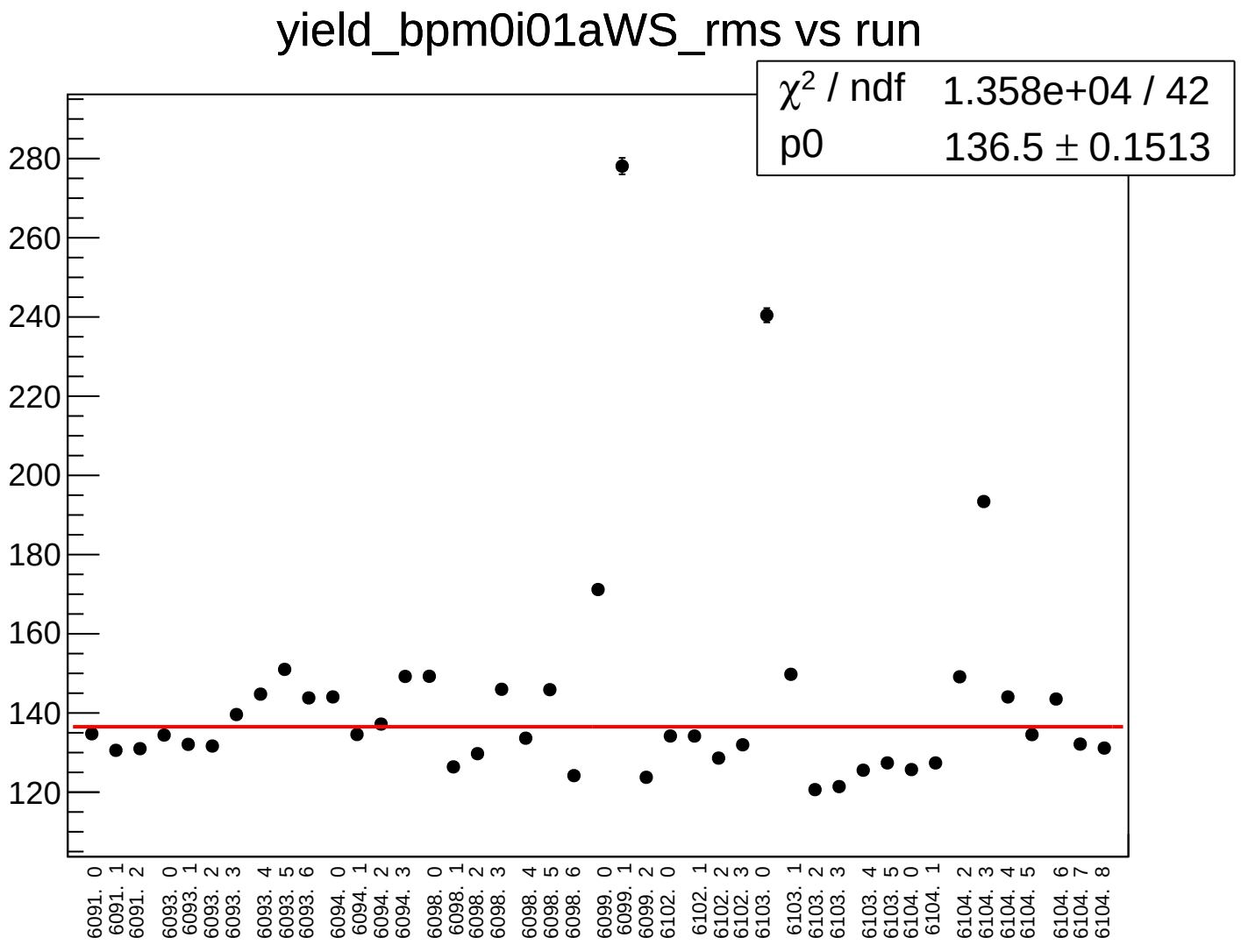

yield_bpm0i07WS_rms vs run
χ² / ndf 3.178e+04 / 42
p0 162.1 ± 0.1817
600
500
400
300
200
100
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

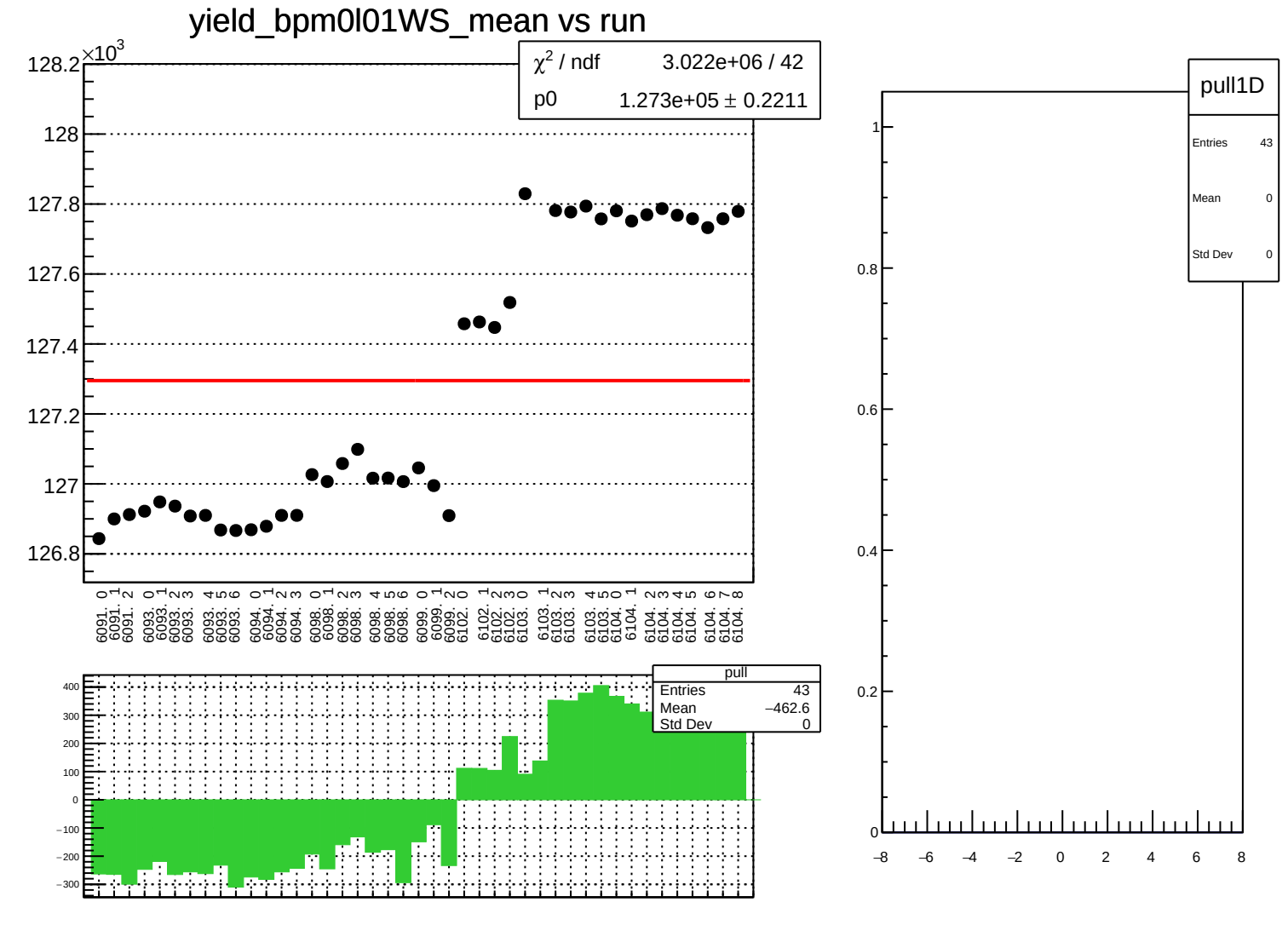

yield_bpm0i01WS_mean vs run
×10^3
χ² / ndf 1.61e+06 / 42
p0 1.479e+05 ± 0.2339
148.4
148.2
148
147.8
147.6
147.4
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean −617.8
Std Dev 0
400
300
200
100
0
−100
−200
−300
−400
pull1D
Entries 43
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

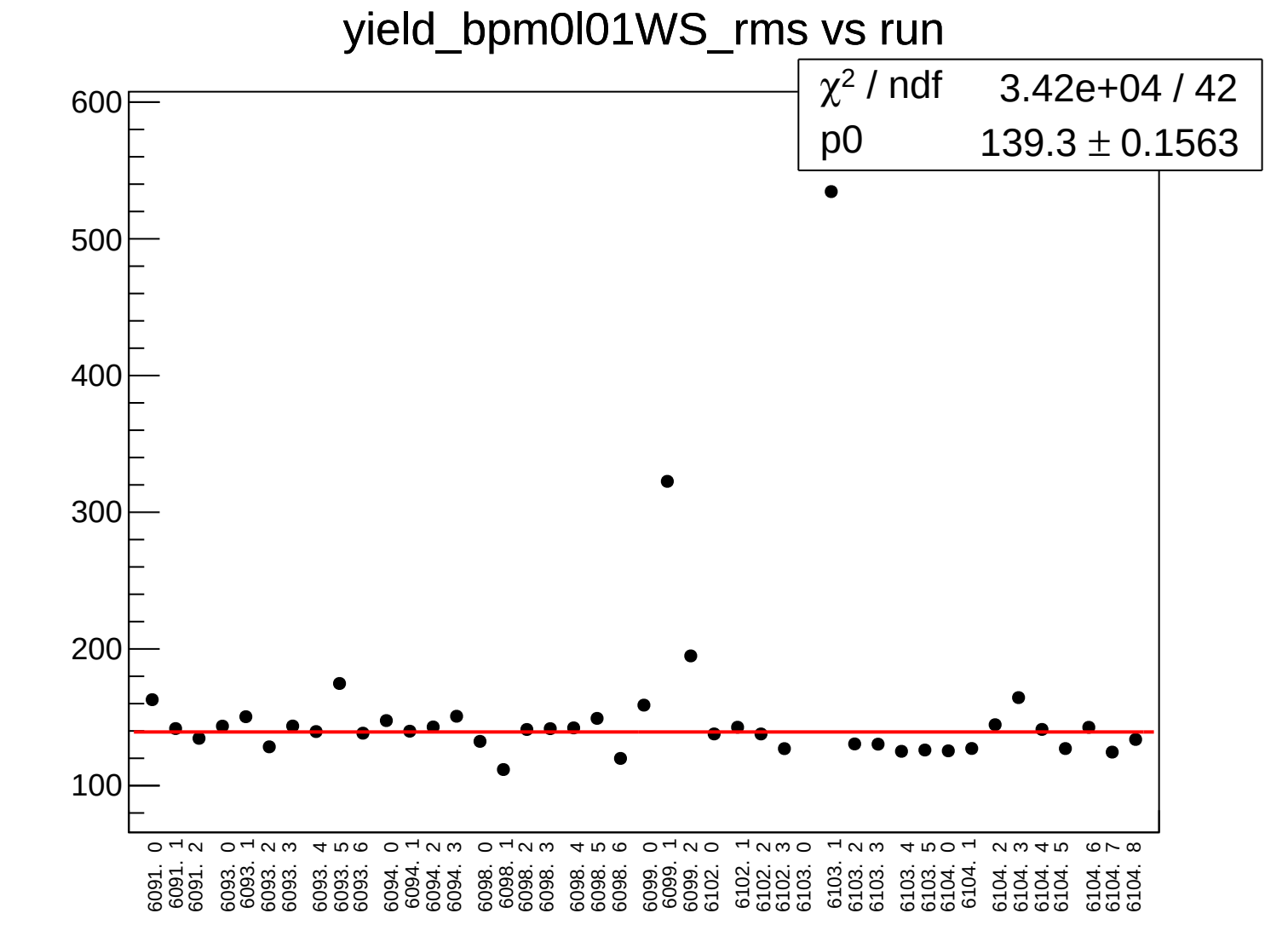

yield_bpm0i01WS_rms vs run
χ² / ndf 1.056e+04 / 42
p0 149.5 ± 0.1654
280
260
240
220
200
180
160
140
120
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

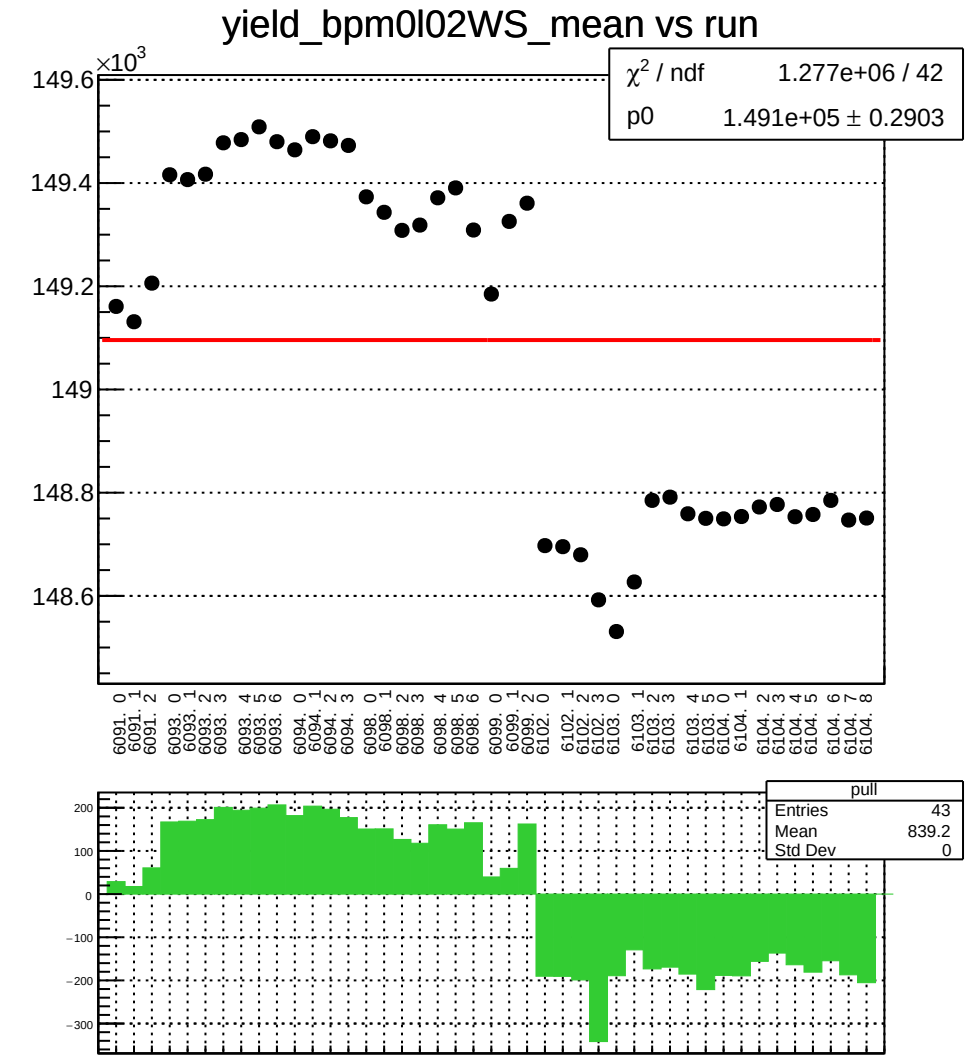

yield_bpm0i01aWS_mean vs run
×10^3
χ² / ndf 3.336e+06 / 42
p0 1.451e+05 ± 0.214
145.8
145.6
145.4
145.2
145
144.8
144.6
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean −630.5
Std Dev 0
500
400
300
200
100
0
−100
−200
−300
−400

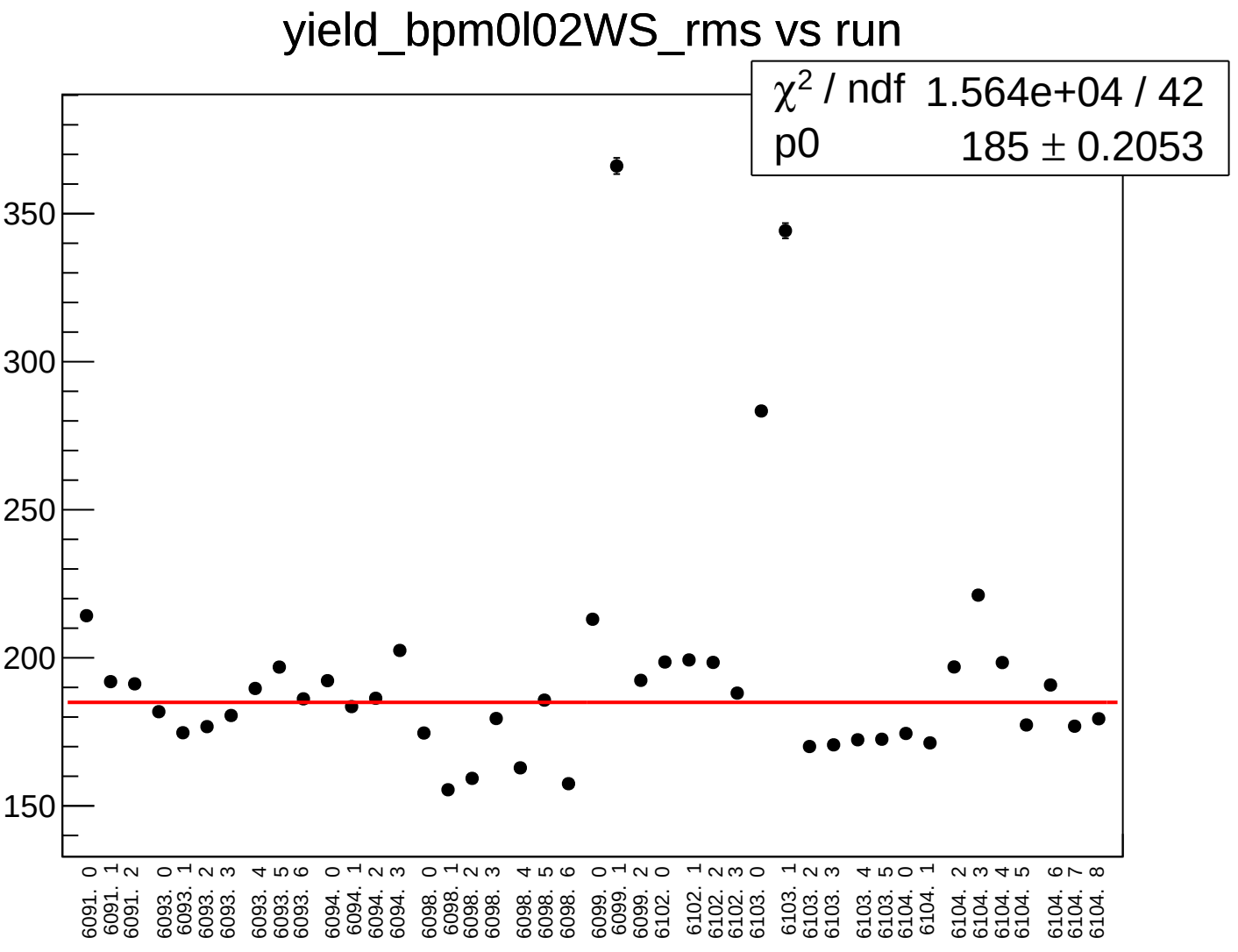

pull1D
Entries 43
Mean 1.163
Std Dev 3.82
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

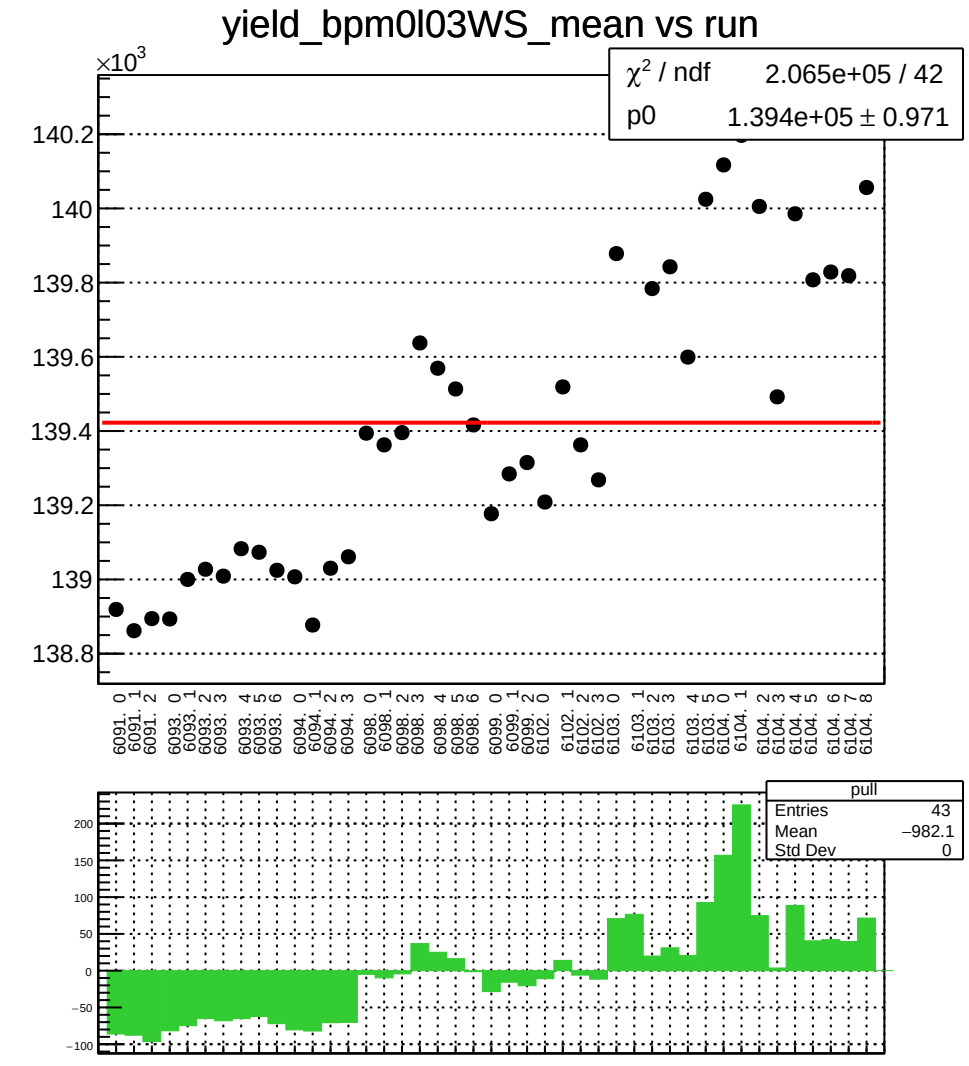

yield_bpm0i01aWS_rms vs run
χ² / ndf 1.358e+04 / 42
p0 136.5 ± 0.1513
280
260
240
220
200
180
160
140
120
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

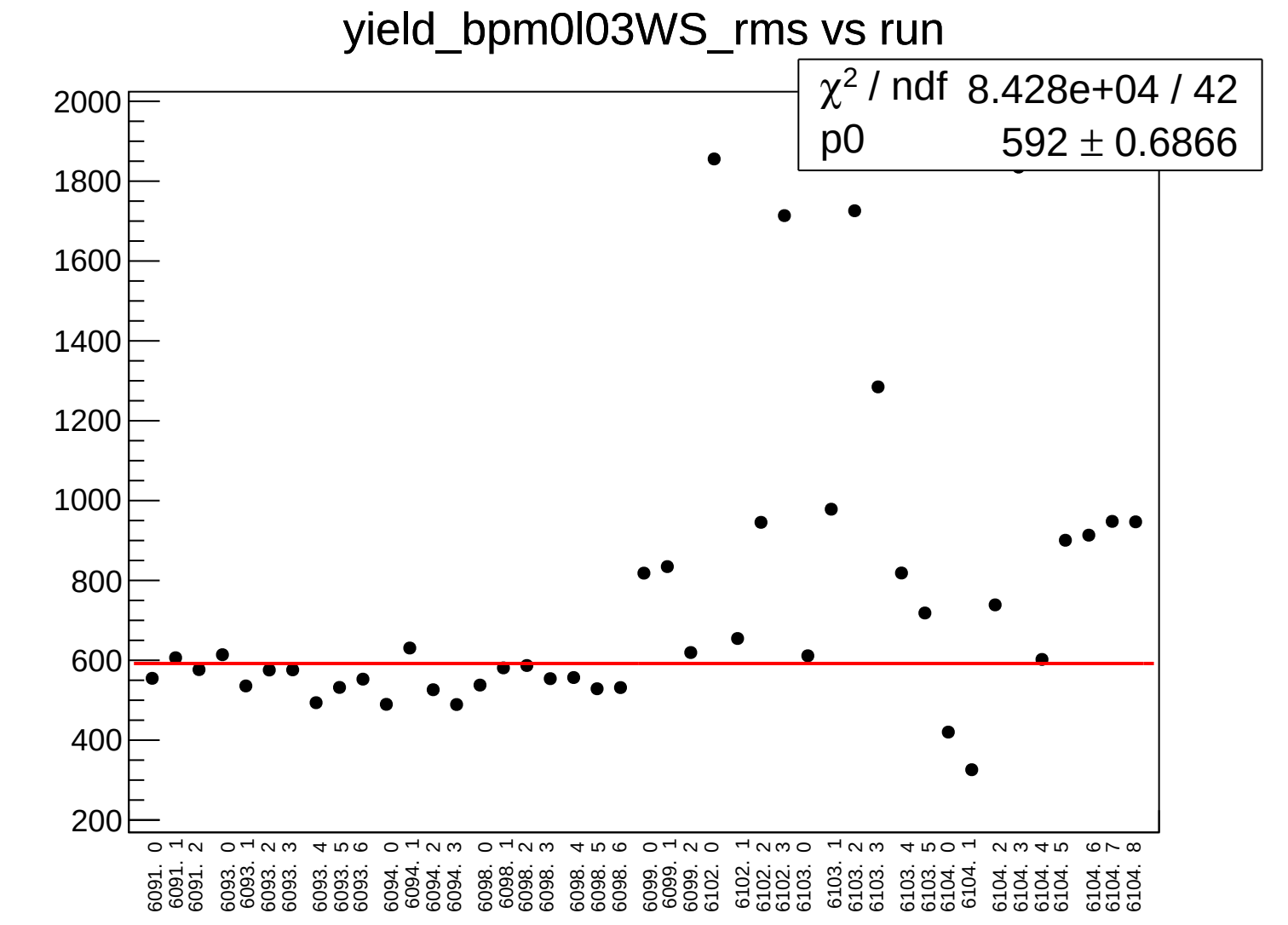

yield_bpm0l01WS_mean vs run
χ² / ndf 3.022e+06 / 42
p0 1.273e+05 ± 0.2211
×10³
128.2
128
127.8
127.6
127.4
127.2
127
126.8
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean −462.6
Std Dev 0
400
300
200
100
0
−100
−200
−300
pull1D
Entries 43
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

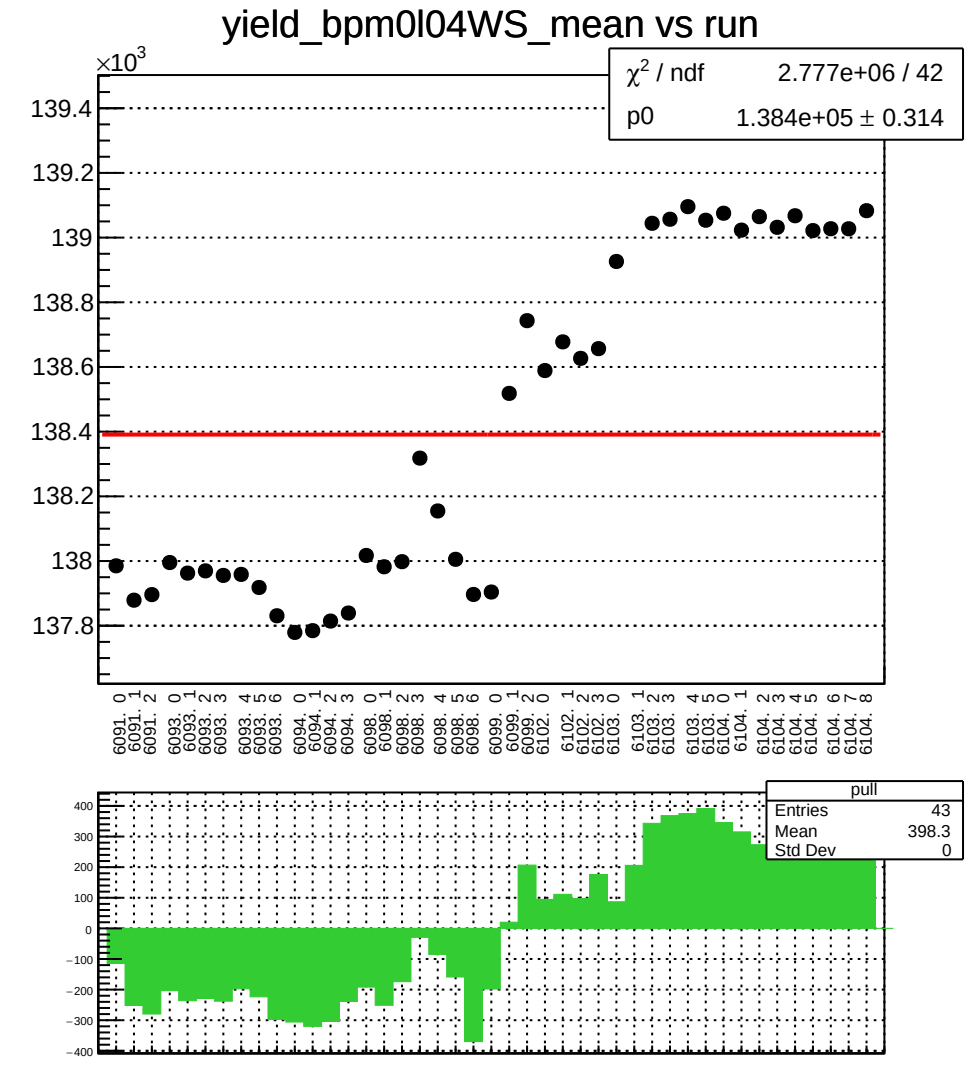

yield_bpm0l01WS_rms vs run
χ² / ndf 3.42e+04 / 42
p0 139.3 ± 0.1563
600
500
400
300
200
100
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

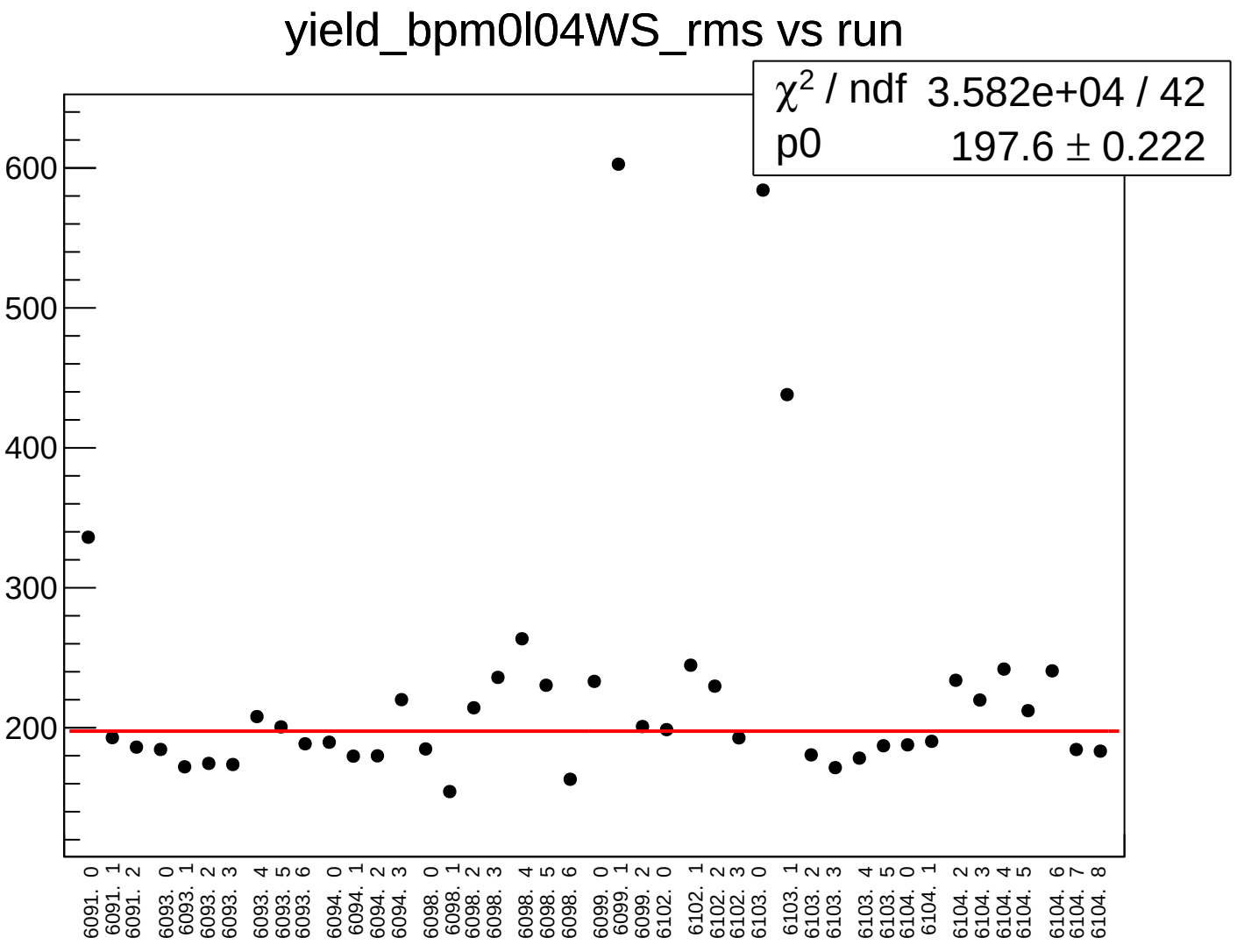

yield_bpm0l02WS_mean vs run
×10^3
149.6
149.4
149.2
149
148.8
148.6
χ² / ndf 1.277e+06 / 42
p0 1.491e+05 ± 0.2903
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 839.2
Std Dev 0
200
100
0
−100
−200
−300
pull1D
Entries 43
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

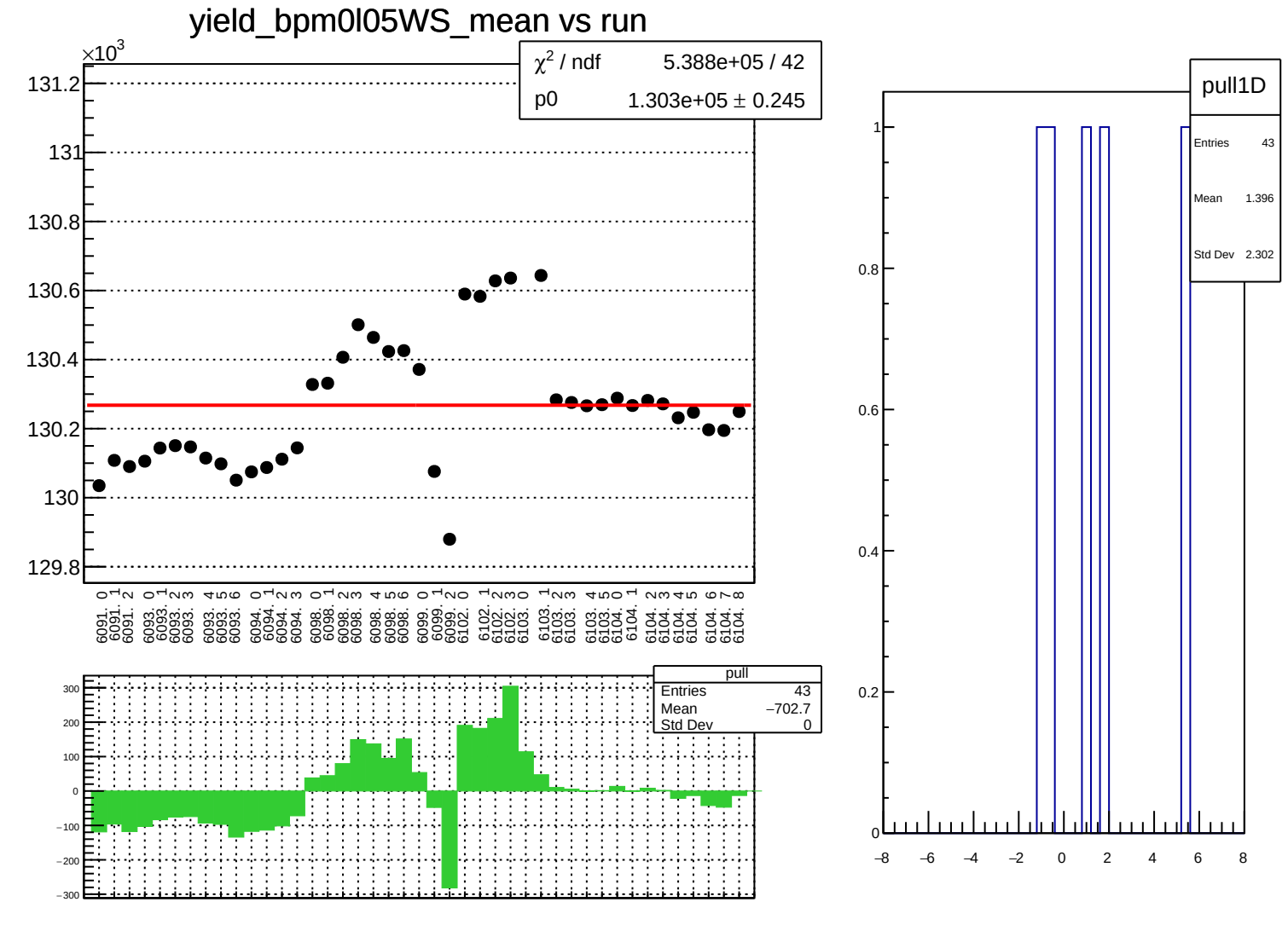

yield_bpm0l02WS_rms vs run
χ² / ndf 1.564e+04 / 42
p0 185 ± 0.2053
350
300
250
200
150
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

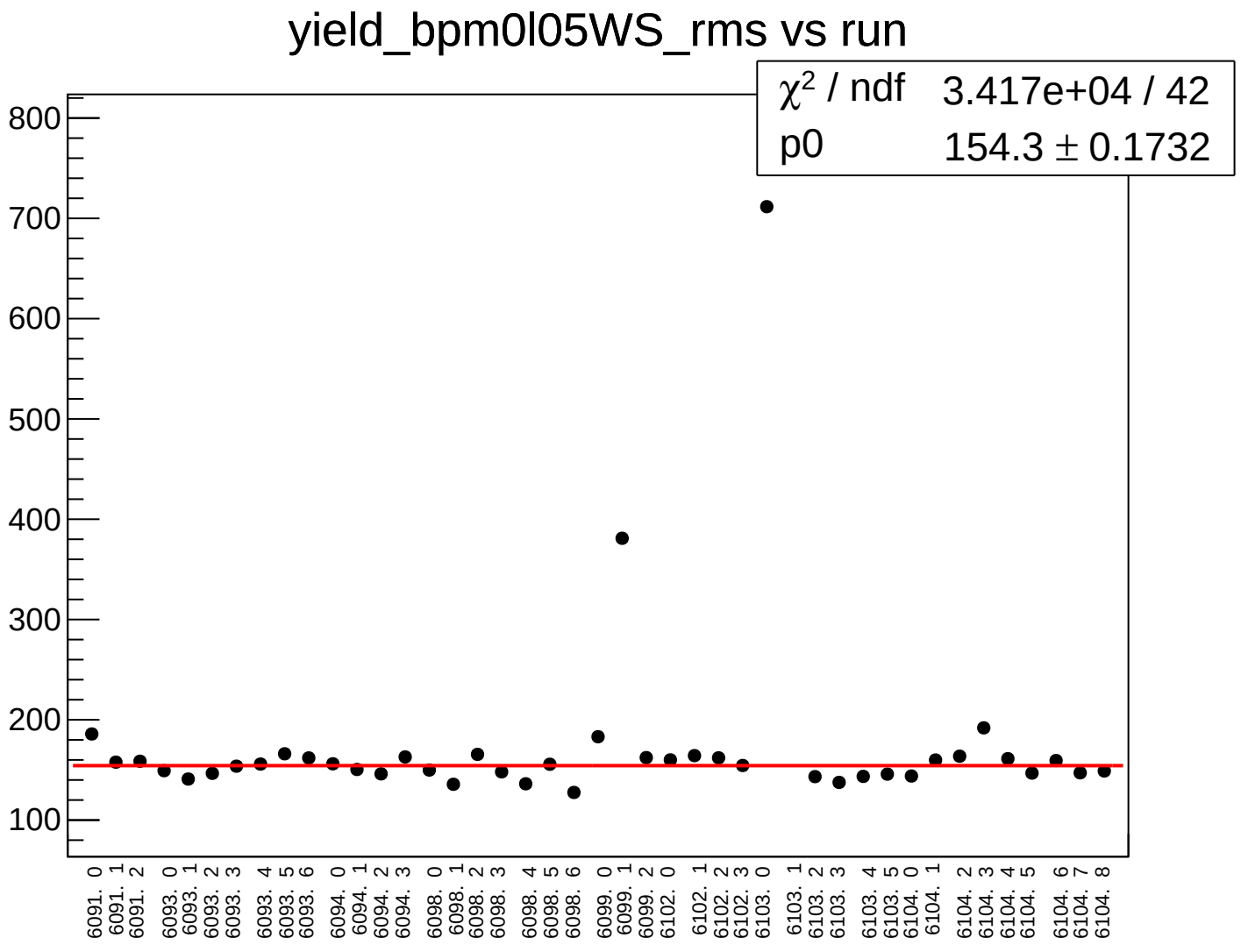

yield_bpm0l03WS_mean vs run
×10^3
χ² / ndf 2.065e+05 / 42
p0 1.394e+05 ± 0.971
140.2
140
139.8
139.6
139.4
139.2
139
138.8
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean −982.1
Std Dev 0
200
150
100
50
0
−50
−100
pull1D
Entries 43
Mean −2.624
Std Dev 3.469
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

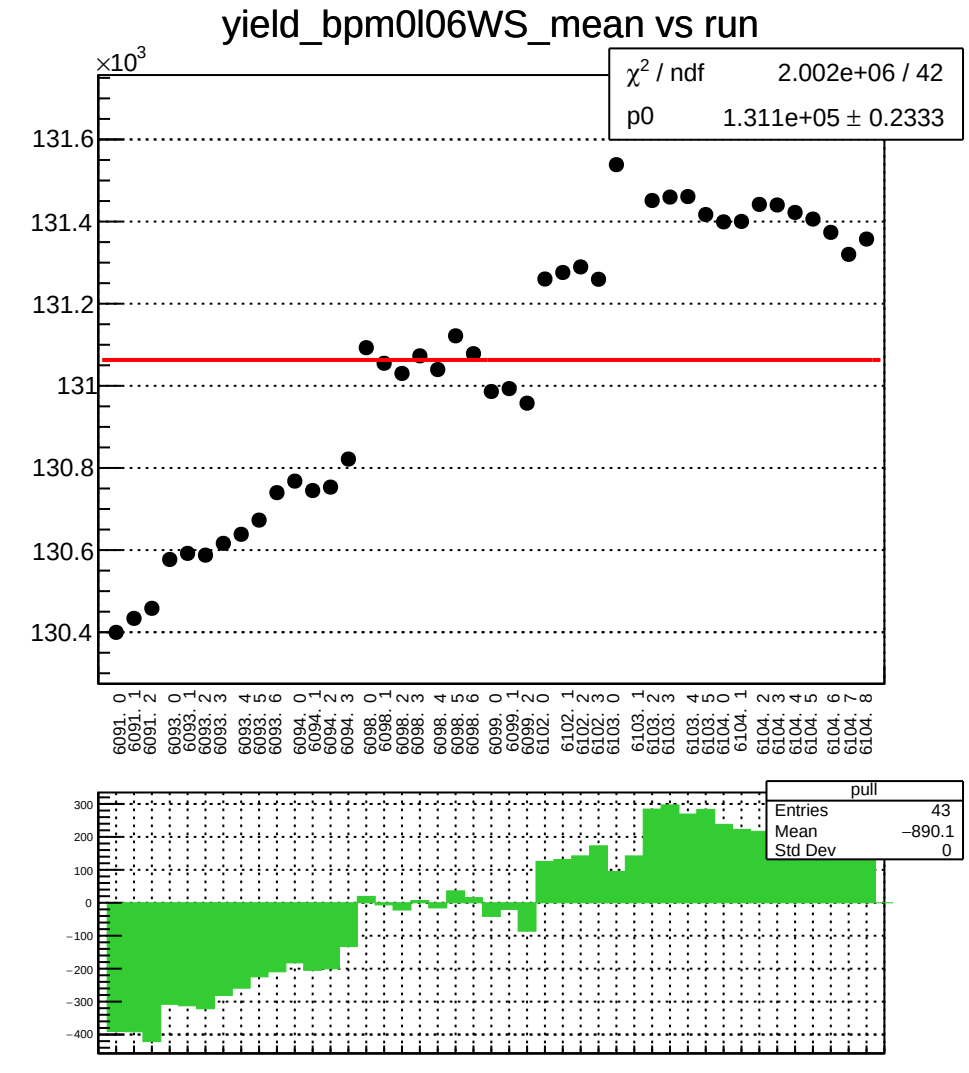

yield_bpm0l03WS_rms vs run
χ² / ndf 8.428e+04 / 42
p0 592 ± 0.6866
2000
1800
1600
1400
1200
1000
800
600
400
200
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

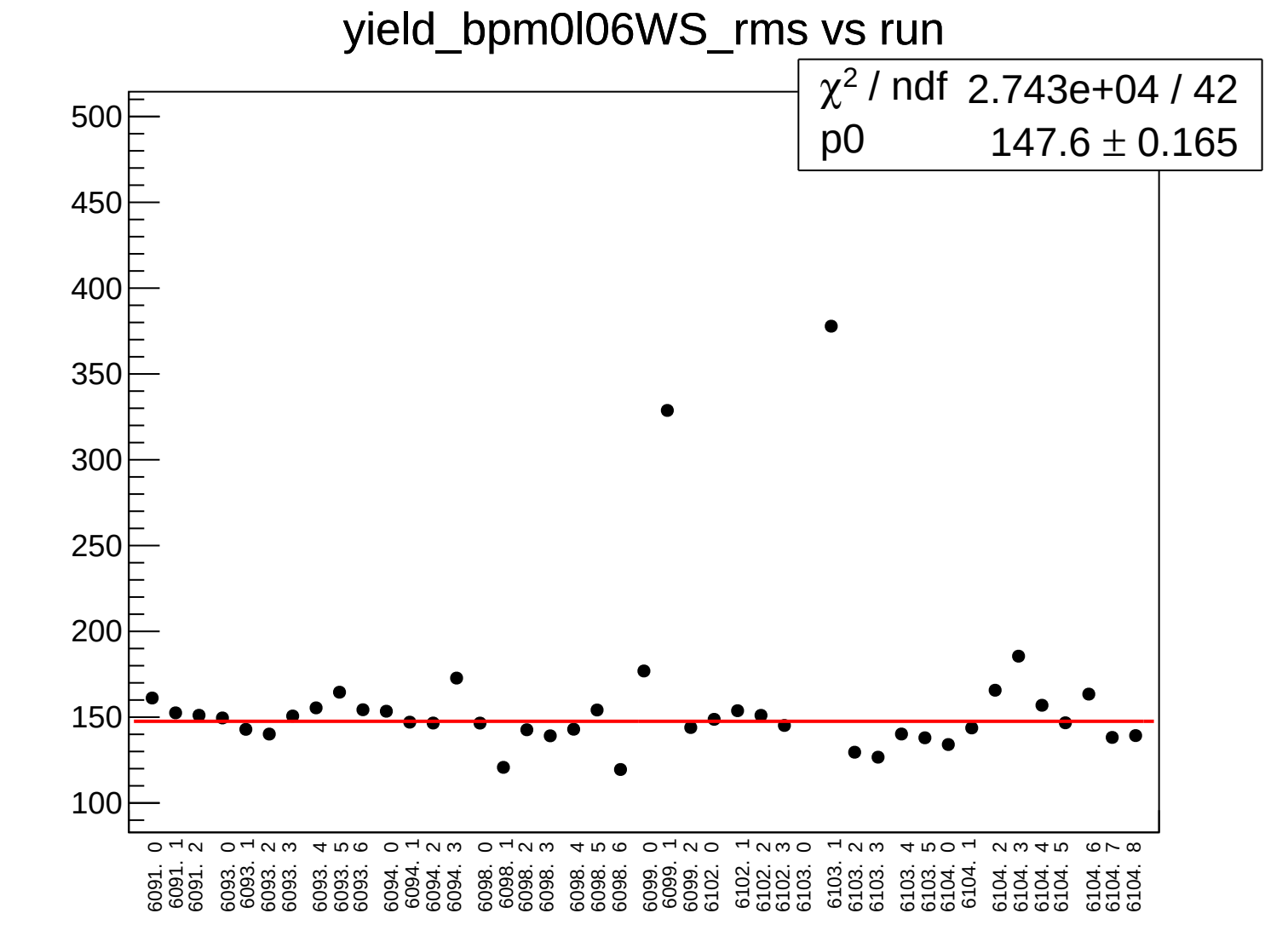

yield_bpm0l04WS_mean vs run
×10^3
χ² / ndf 2.777e+06 / 42
p0 1.384e+05 ± 0.314
139.4
139.2
139
138.8
138.6
138.4
138.2
138
137.8
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 398.3
Std Dev 0
400
300
200
100
0
−100
−200
−300
−400
pull1D
Entries 43
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

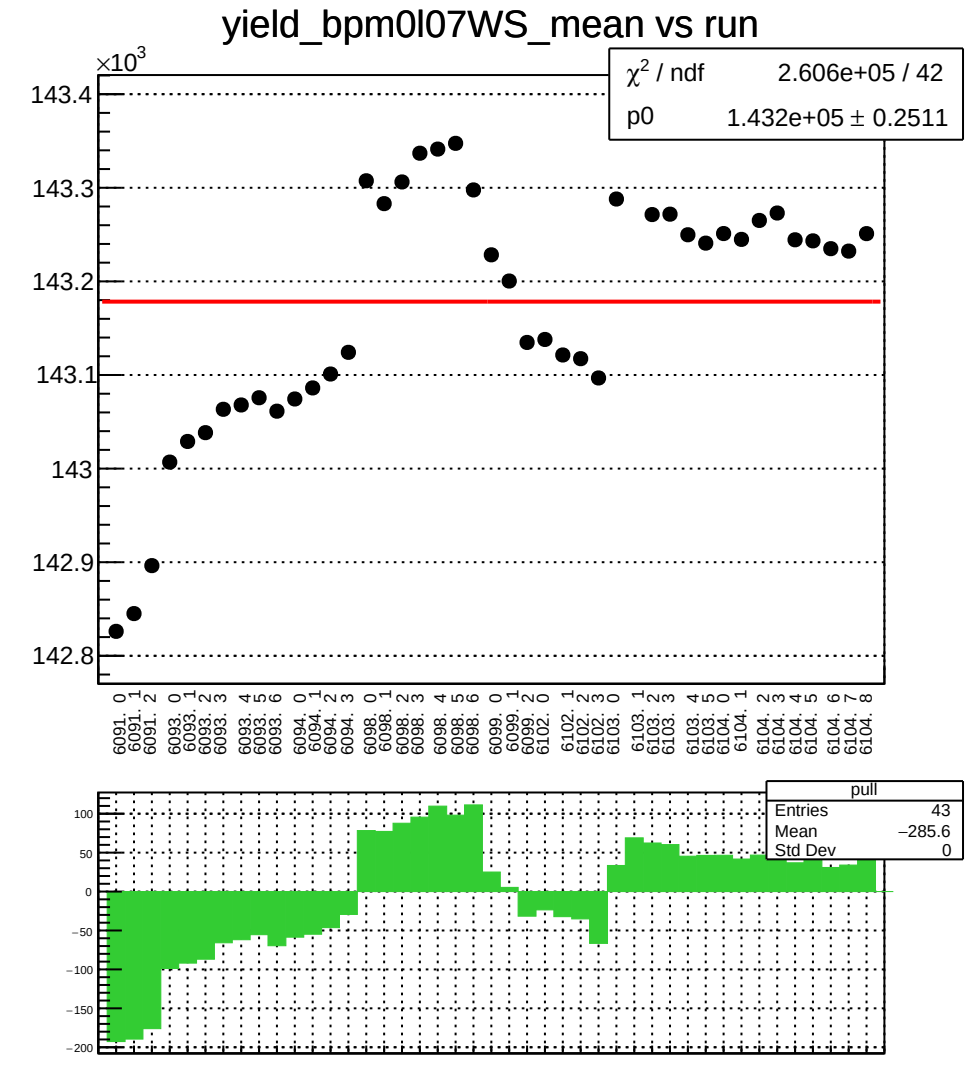

yield_bpm0l04WS_rms vs run
χ² / ndf 3.582e+04 / 42
p0 197.6 ± 0.222
600
500
400
300
200
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

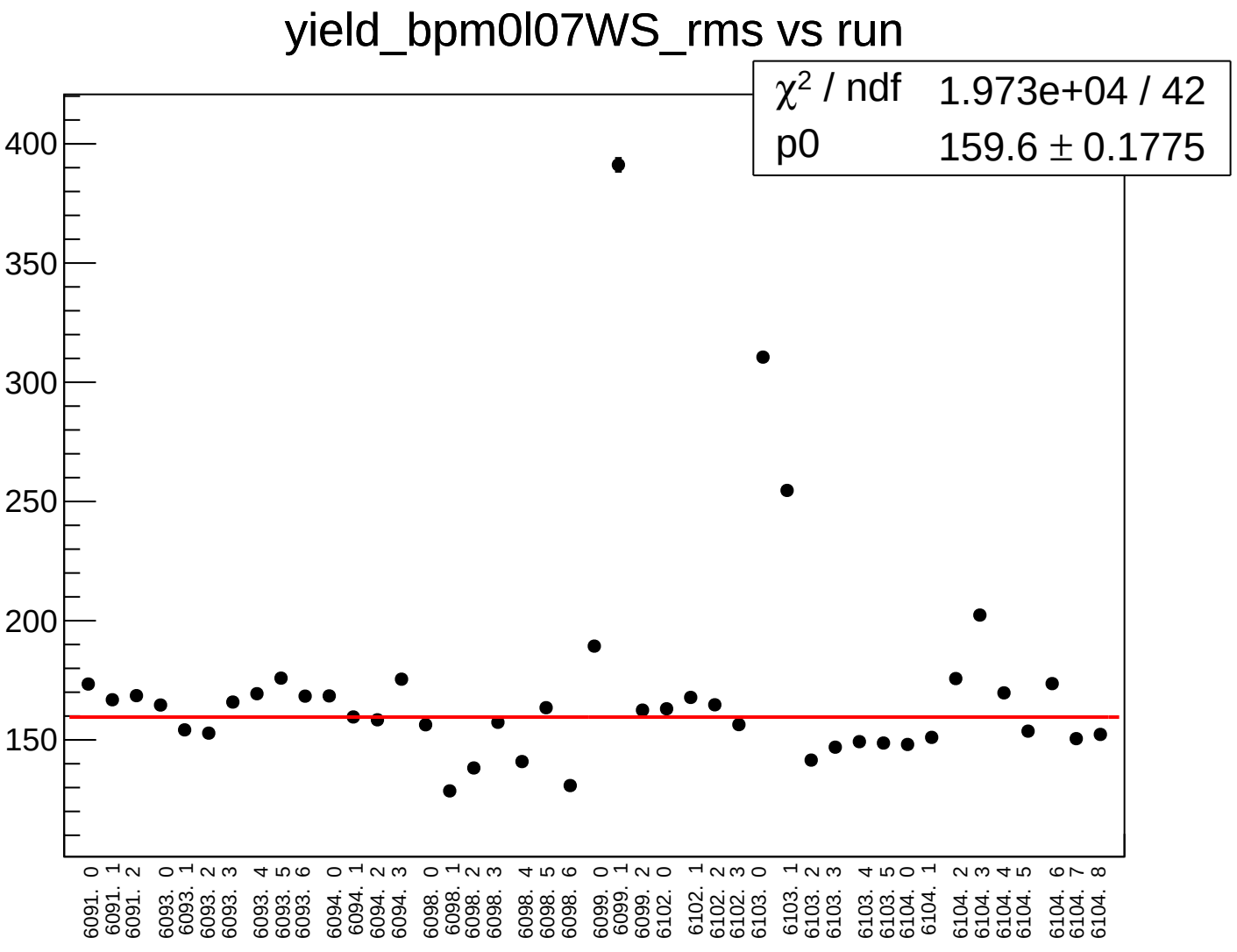

yield_bpm0l05WS_mean vs run
×10^3
χ^2 / ndf 5.388e+05 / 42
p0 1.303e+05 ± 0.245
131.2
131
130.8
130.6
130.4
130.2
130
129.8
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean −702.7
Std Dev 0
300
200
100
0
−100
−200
−300
pull1D
Entries 43
Mean 1.396
Std Dev 2.302
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

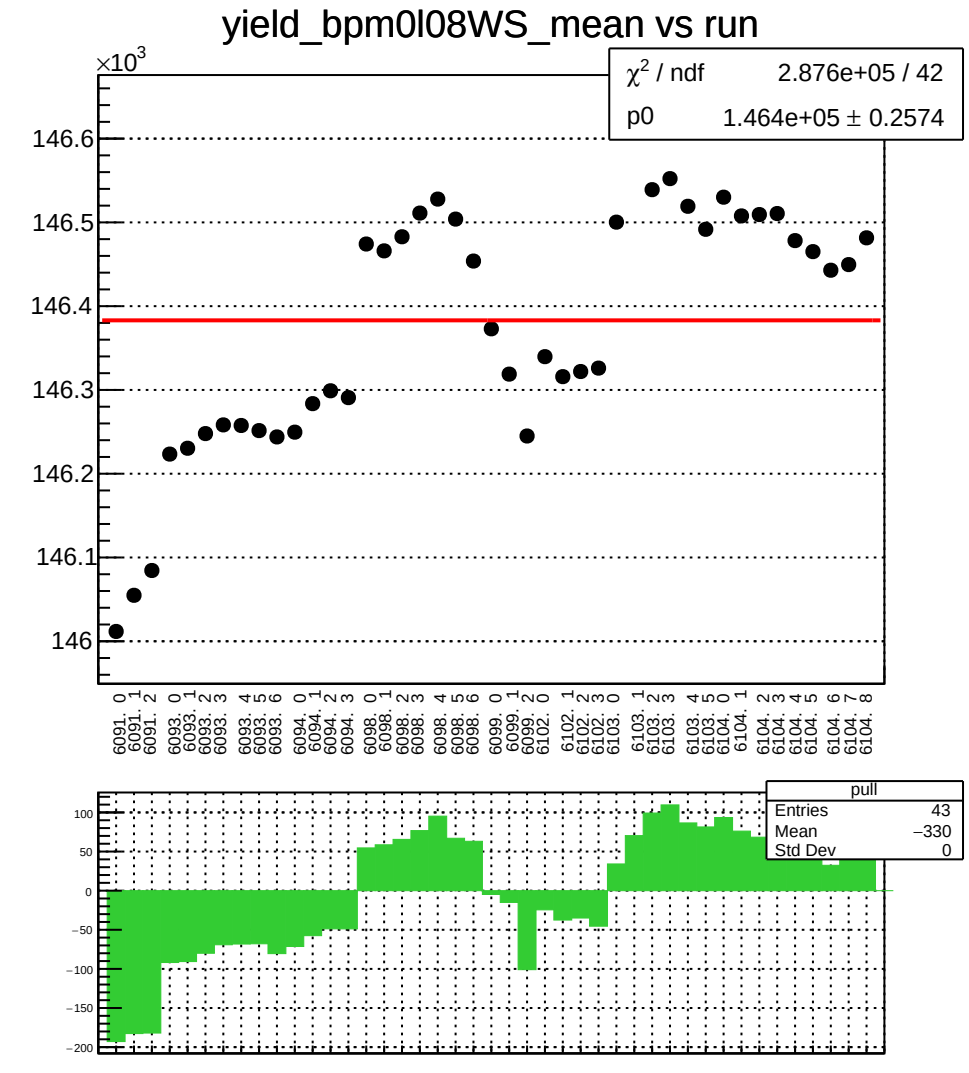

yield_bpm0l05WS_rms vs run
χ² / ndf 3.417e+04 / 42
p0 154.3 ± 0.1732
800
700
600
500
400
300
200
100
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

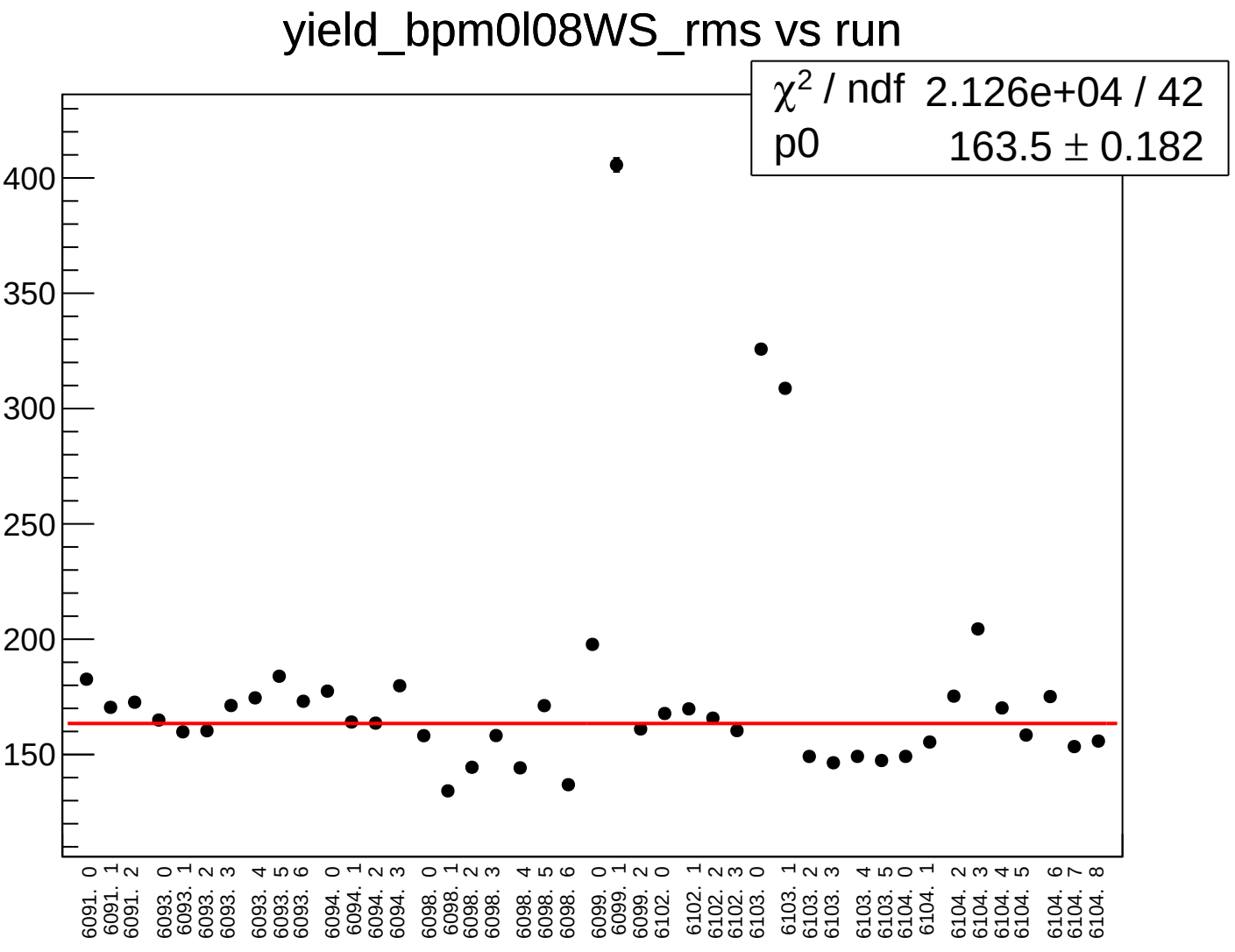

yield_bpm0l06WS_mean vs run
×10^3
χ² / ndf 2.002e+06 / 42
p0 1.311e+05 ± 0.2333
131.6
131.4
131.2
131
130.8
130.6
130.4
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean −890.1
Std Dev 0
300
200
100
0
−100
−200
−300
−400
pull1D
Entries 43
Mean 0.2532
Std Dev 6.579
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

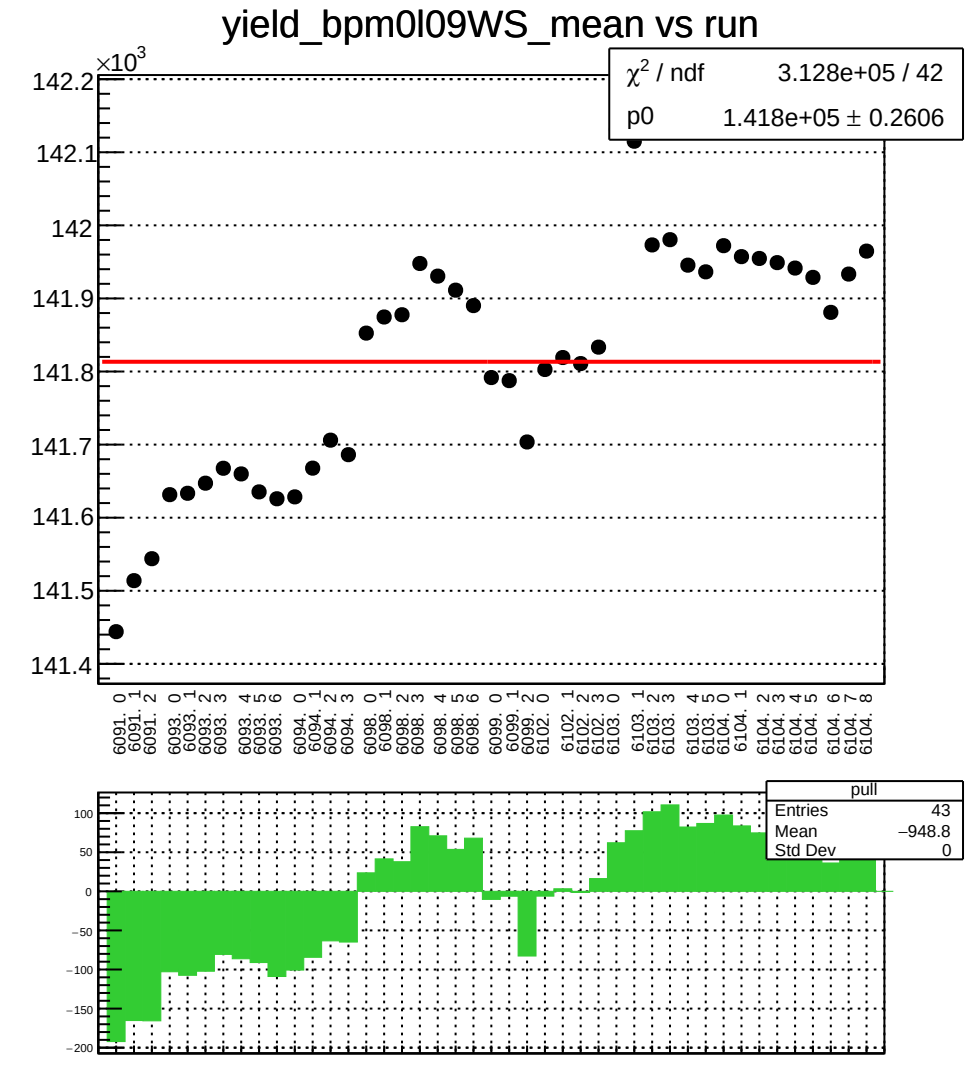

yield_bpm0l06WS_rms vs run
χ² / ndf 2.743e+04 / 42
p0 147.6 ± 0.165
500
450
400
350
300
250
200
150
100
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

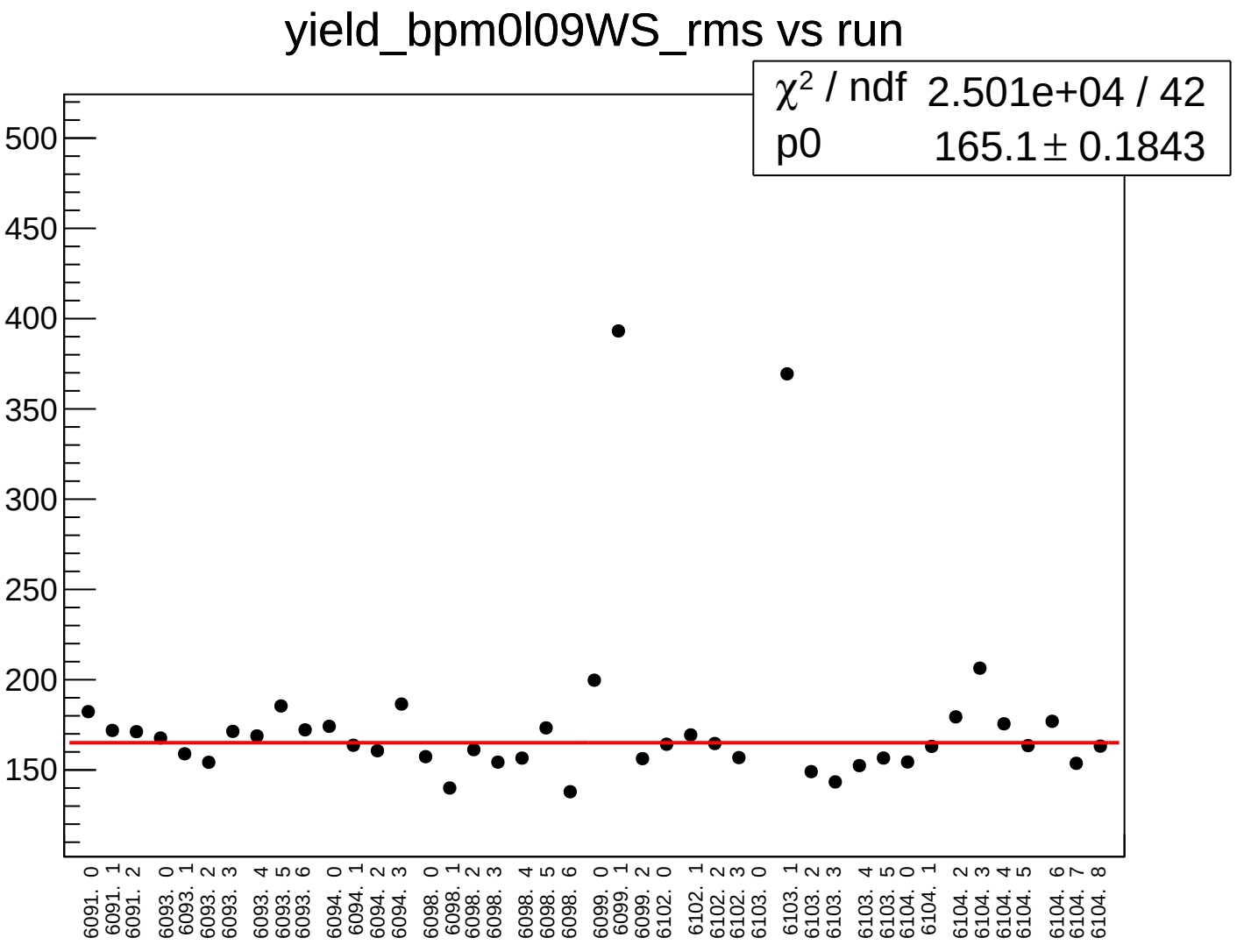

yield_bpm0l07WS_mean vs run
×10^3
χ^2 / ndf 2.606e+05 / 42
p0 1.432e+05 ± 0.2511
143.4
143.3
143.2
143.1
143
142.9
142.8
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean −285.6
Std Dev 0
100
50
0
−50
−100
−150
−200
pull1D
Entries 43
Mean 5.339
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

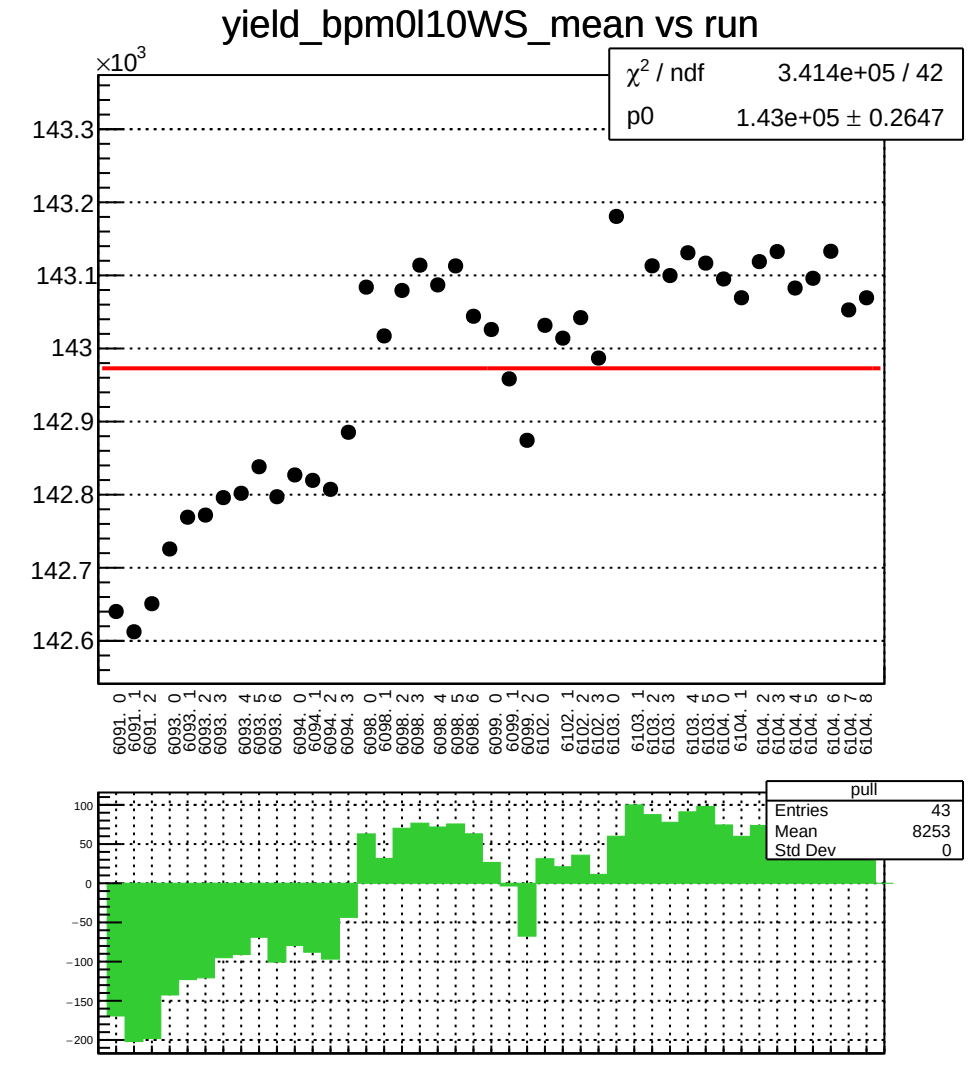

yield_bpm0l07WS_rms vs run
χ² / ndf 1.973e+04 / 42
p0 159.6 ± 0.1775
400
350
300
250
200
150
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

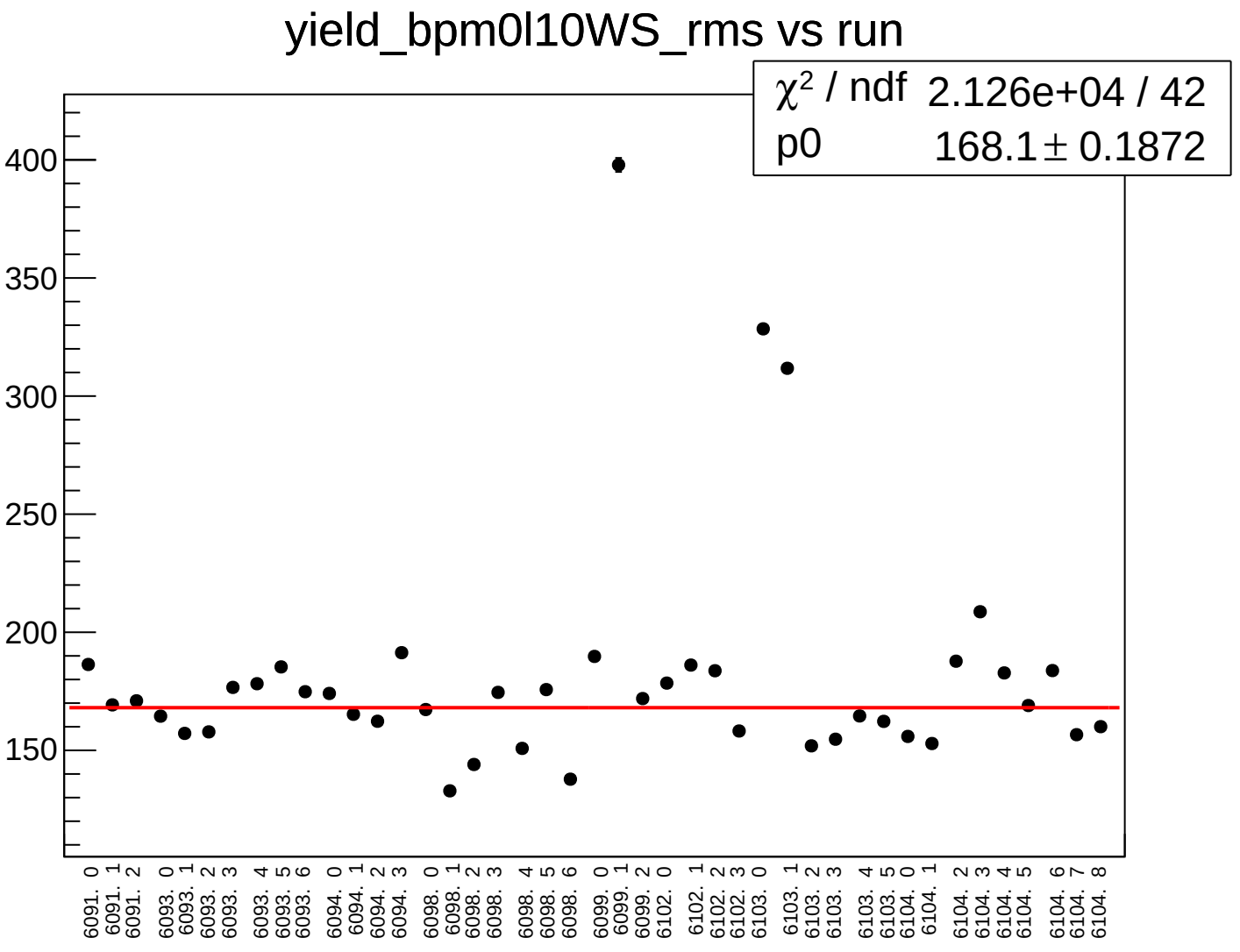

yield_bpm0l08WS_mean vs run
×10^3
χ² / ndf 2.876e+05 / 42
p0 1.464e+05 ± 0.2574
146.6
146.5
146.4
146.3
146.2
146.1
146
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean −330
Std Dev 0
100
50
0
−50
−100
−150
−200
pull1D
Entries 43
Mean −4.844
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

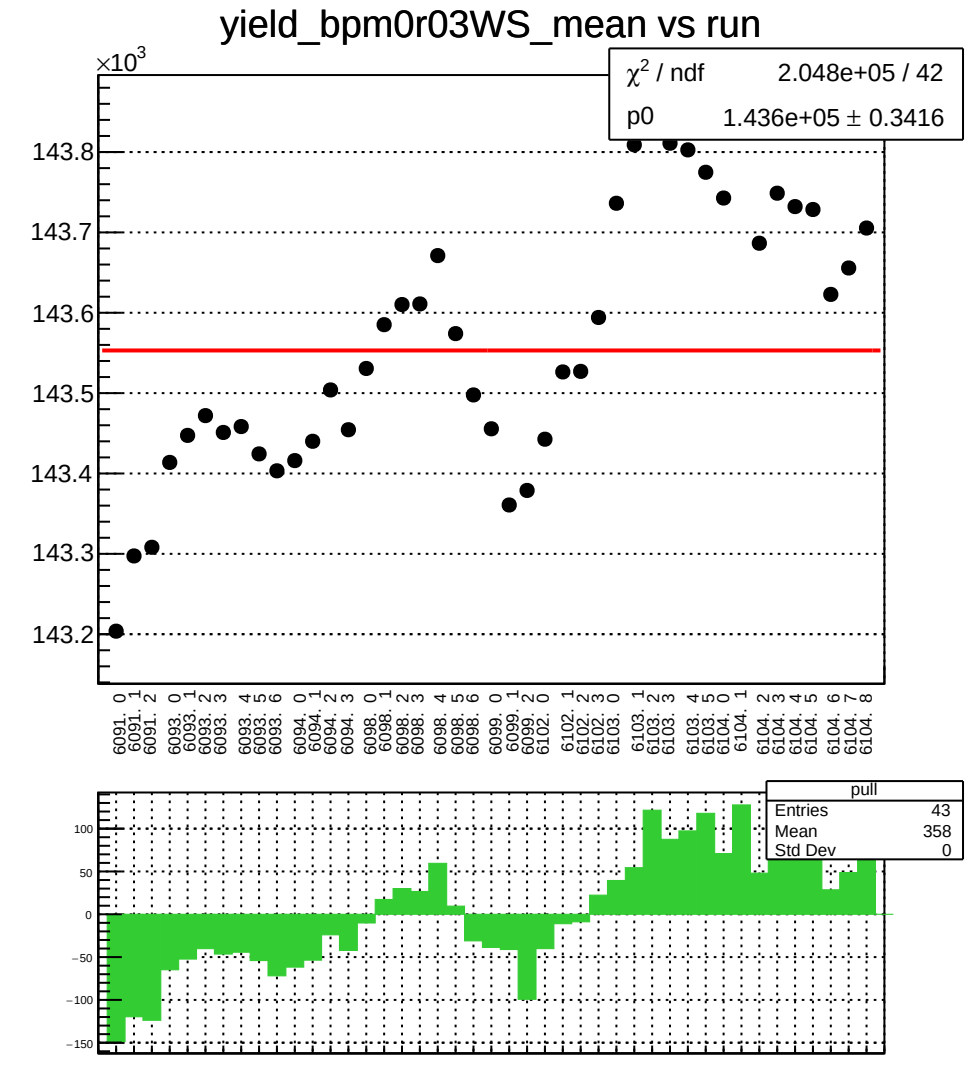

yield_bpm0l08WS_rms vs run
χ² / ndf 2.126e+04 / 42
p0 163.5 ± 0.182
400
350
300
250
200
150
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

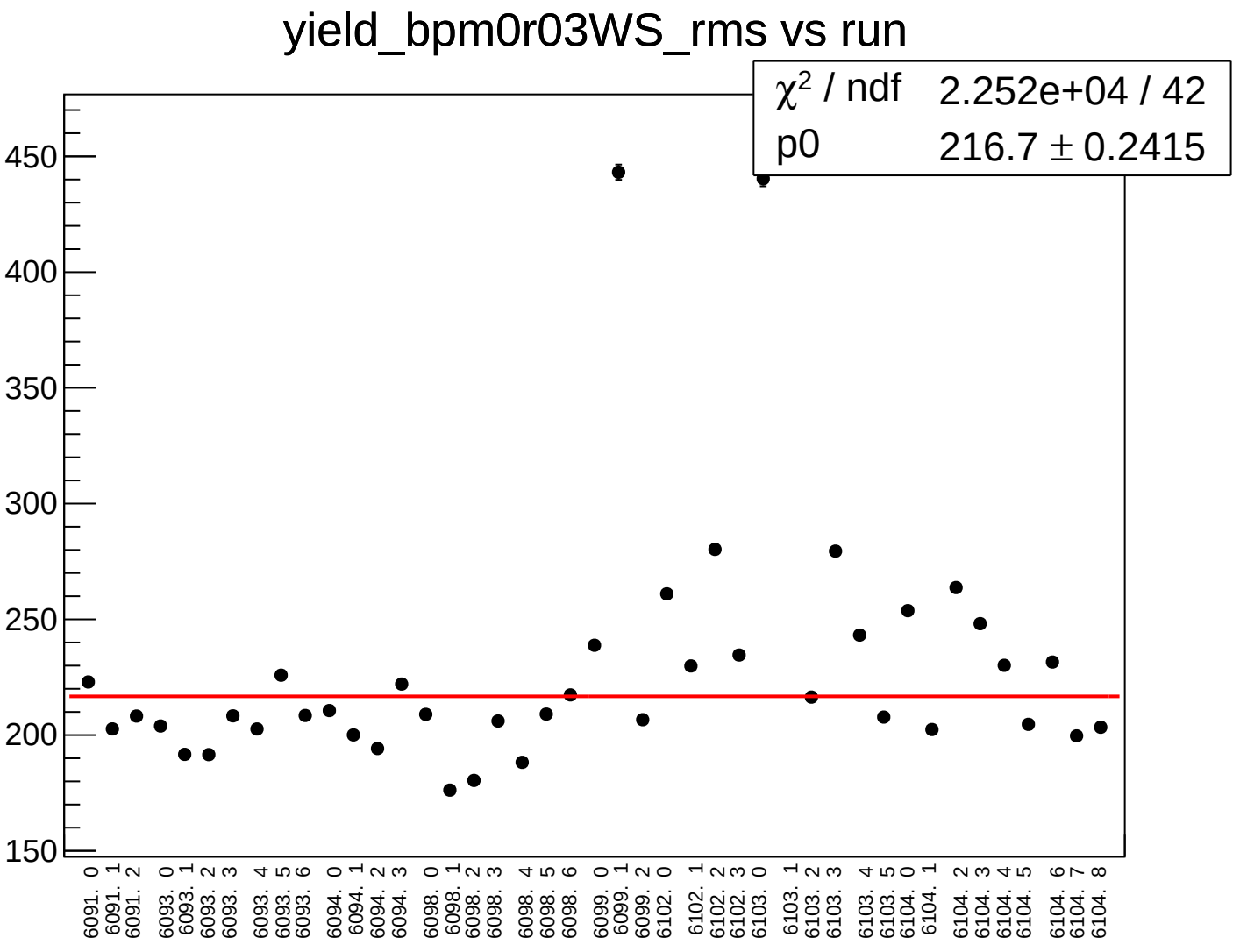

yield_bpm0l09WS_mean vs run
×10^3
χ² / ndf 3.128e+05 / 42
p0 1.418e+05 ± 0.2606
142.2
142.1
142
141.9
141.8
141.7
141.6
141.5
141.4
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean −948.8
Std Dev 0
100
50
0
−50
−100
−150
−200
pull1D
Entries 43
Mean −2.631
Std Dev 3.905
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

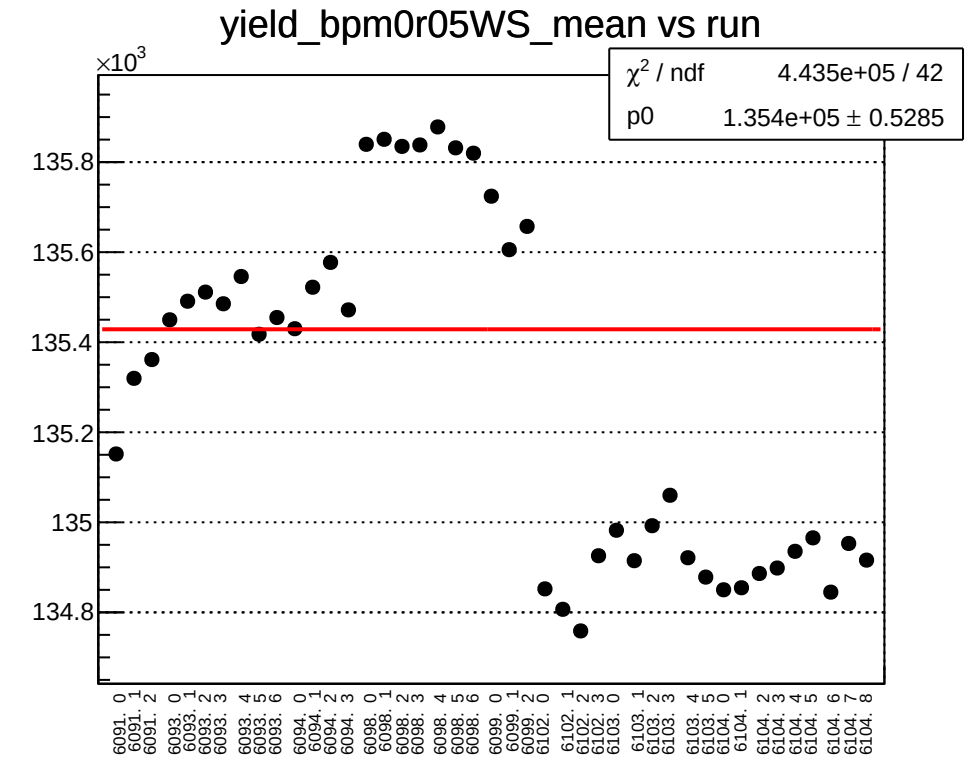

yield_bpm0l09WS_rms vs run
χ² / ndf 2.501e+04 / 42
p0 165.1 ± 0.1843
500
450
400
350
300
250
200
150
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

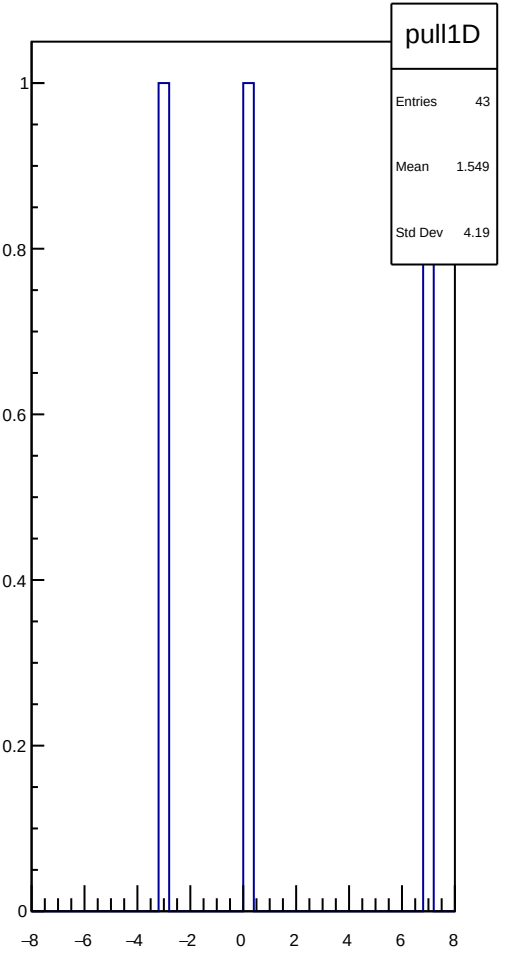

yield_bpm0l10WS_mean vs run
×10^3
χ² / ndf 3.414e+05 / 42
p0 1.43e+05 ± 0.2647
143.3
143.2
143.1
143
142.9
142.8
142.7
142.6
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 8253
Std Dev 0
100
50
0
−50
−100
−150
−200
pull1D
Entries 43
Mean −3.441
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

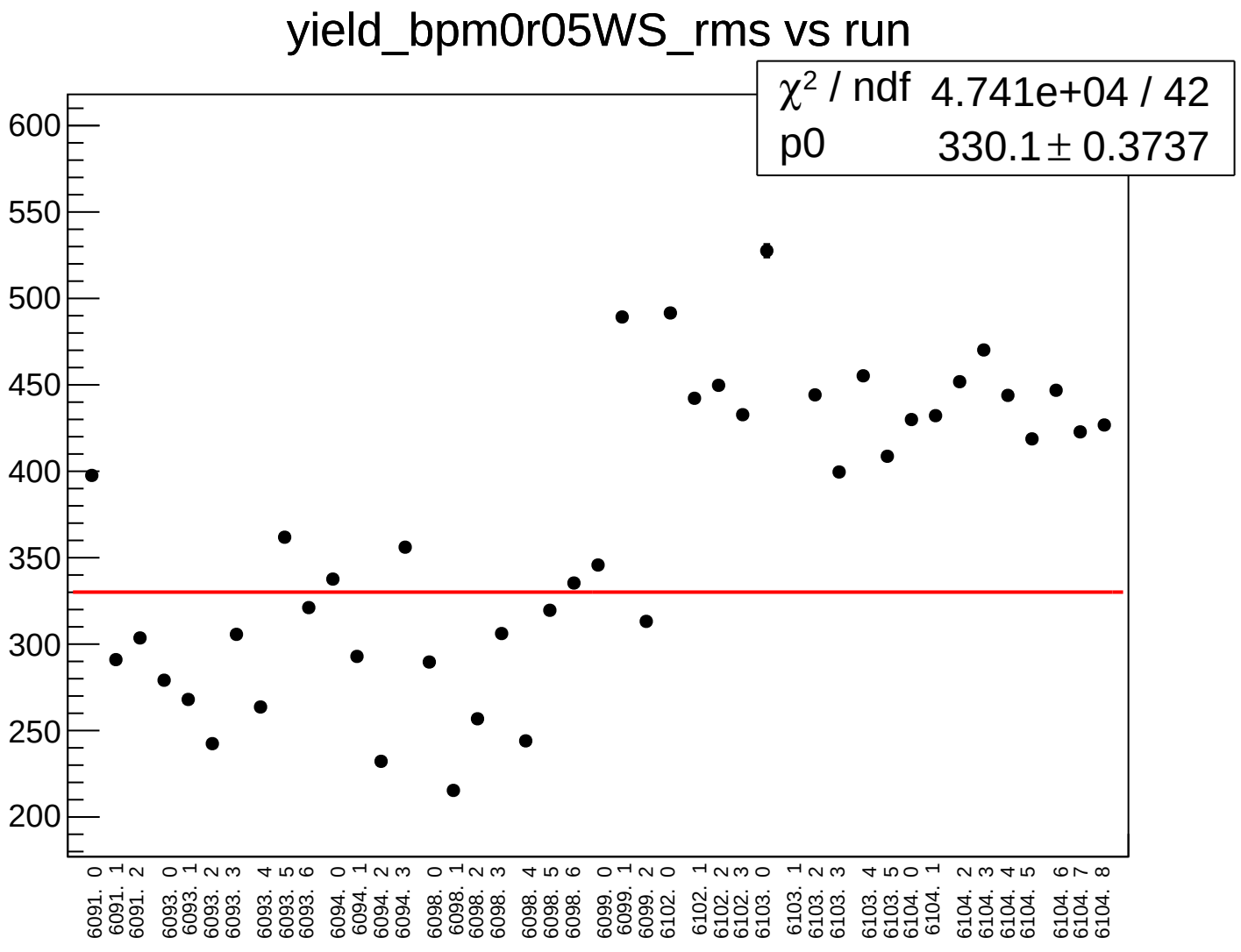

yield_bpm0l10WS_rms vs run
χ² / ndf 2.126e+04 / 42
p0 168.1 ± 0.1872
400
350
300
250
200
150
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

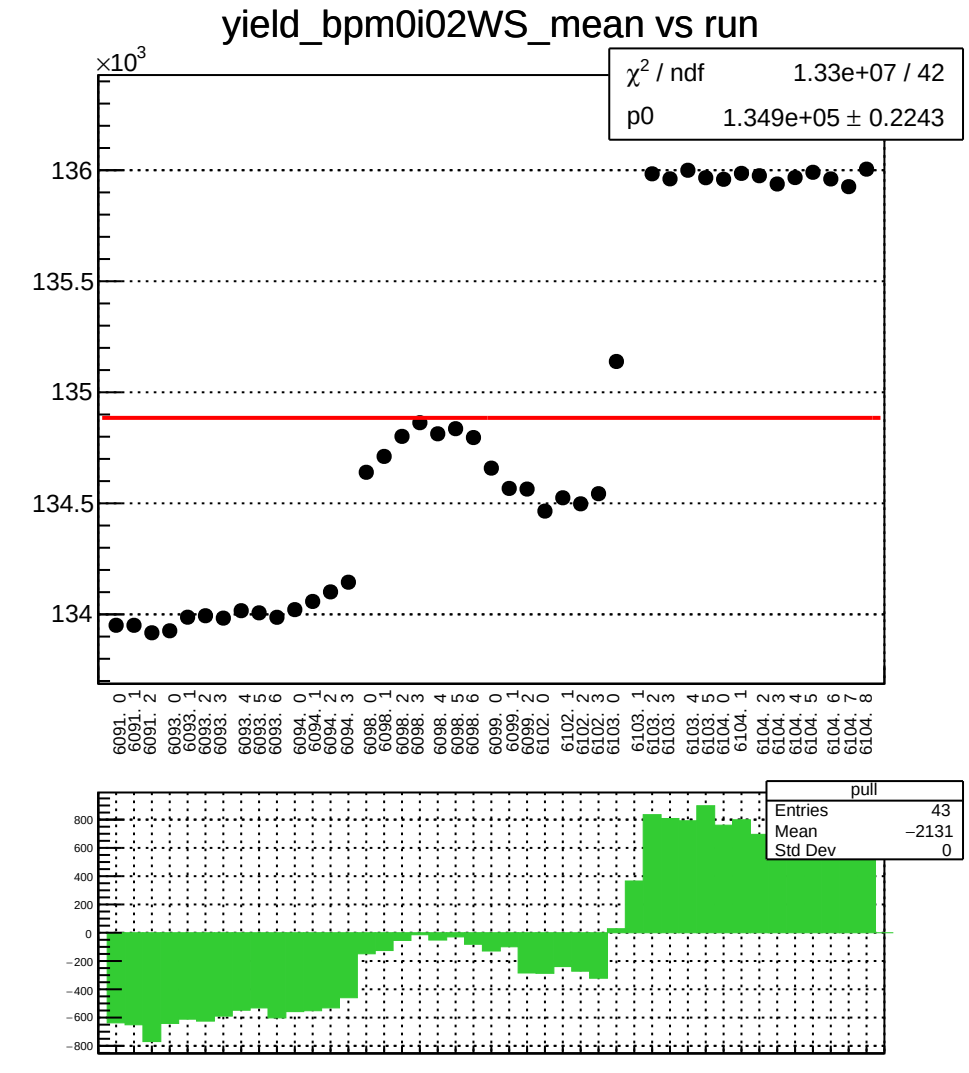

yield_bpm0r03WS_mean vs run
×10^3
χ² / ndf 2.048e+05 / 42
p0 1.436e+05 ± 0.3416
143.8
143.7
143.6
143.5
143.4
143.3
143.2
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 358
Std Dev 0
100
50
0
−50
−100
−150
pull1D
Entries 43
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

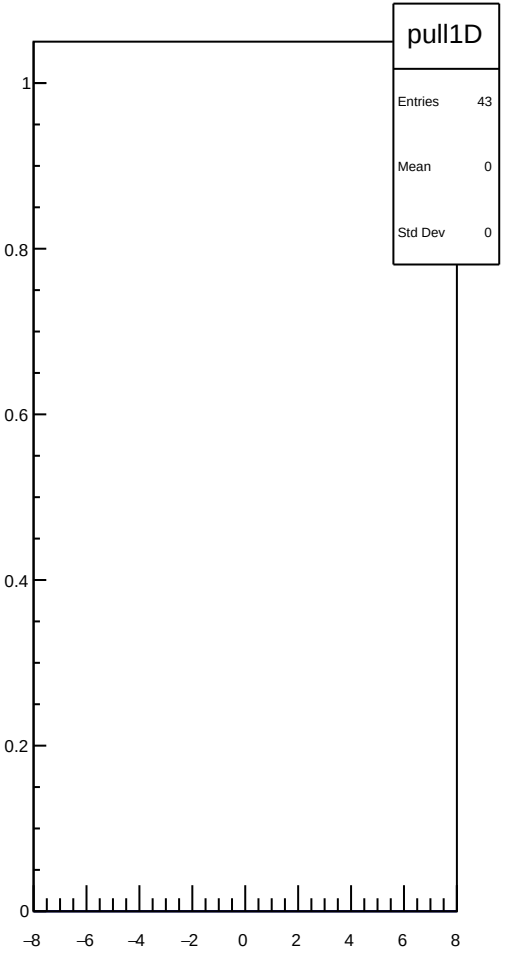

yield_bpm0r03WS_rms vs run
χ² / ndf 2.252e+04 / 42
p0 216.7 ± 0.2415
450
400
350
300
250
200
150
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

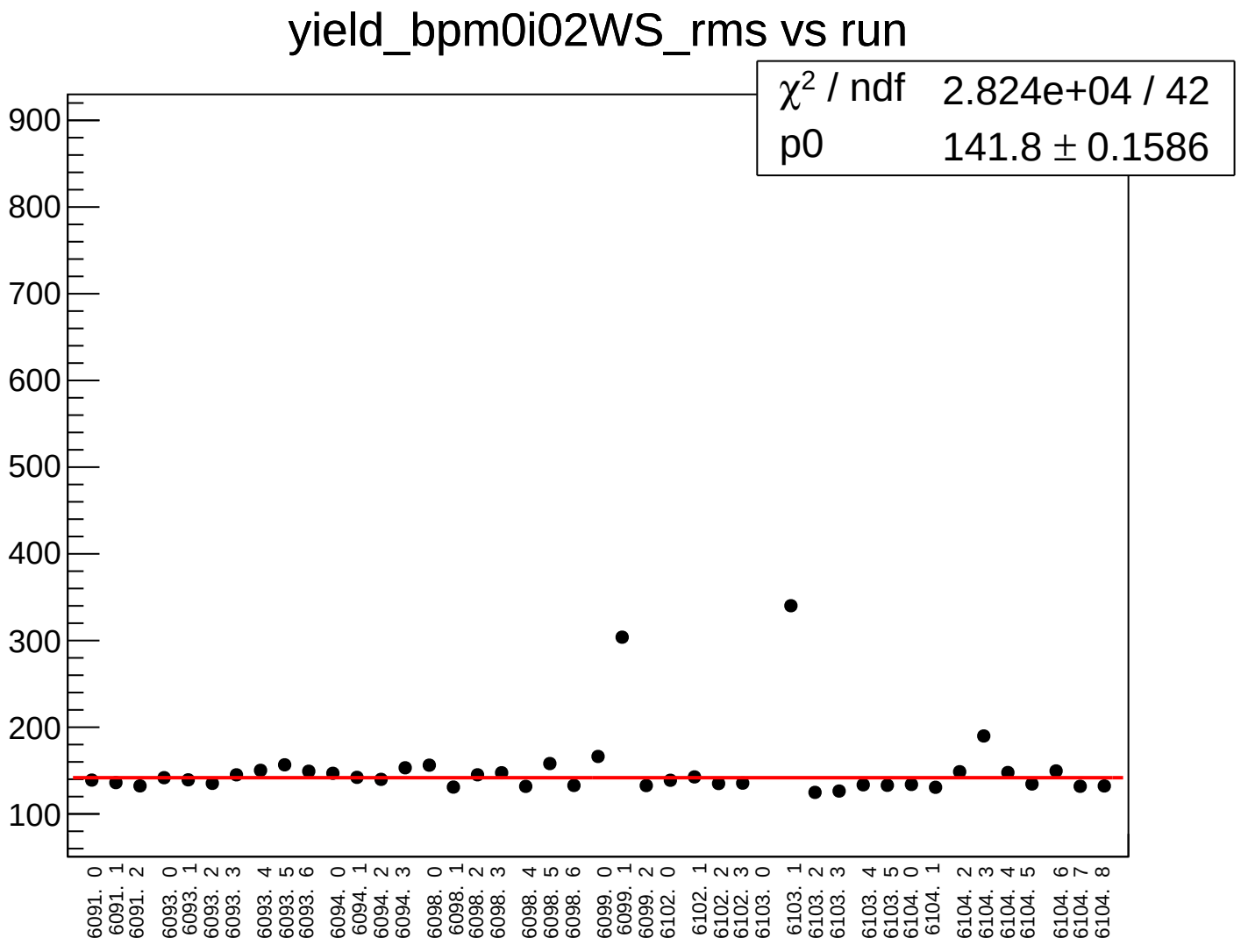

yield_bpm0r05WS_mean vs run
×10^3
χ² / ndf 4.435e+05 / 42
p0 1.354e+05 ± 0.5285
135.8
135.6
135.4
135.2
135
134.8
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 57.81
Std Dev 0
200
150
100
50
0
−50
−100
−150

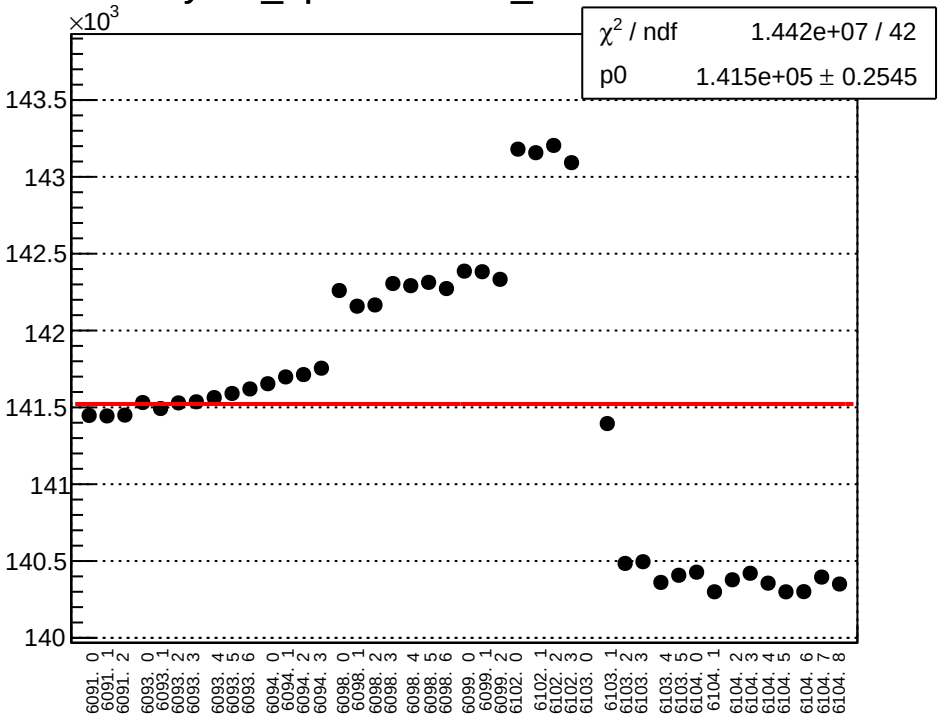

pull1D
Entries 43
Mean 1.549
Std Dev 4.19
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

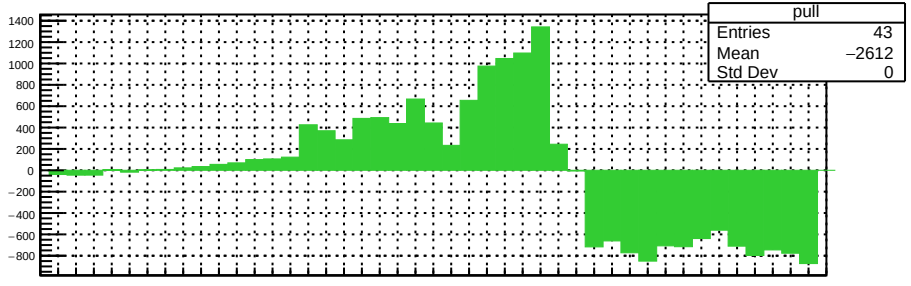

yield_bpm0r05WS_rms vs run
χ² / ndf 4.741e+04 / 42
p0 330.1 ± 0.3737
600
550
500
450
400
350
300
250
200
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

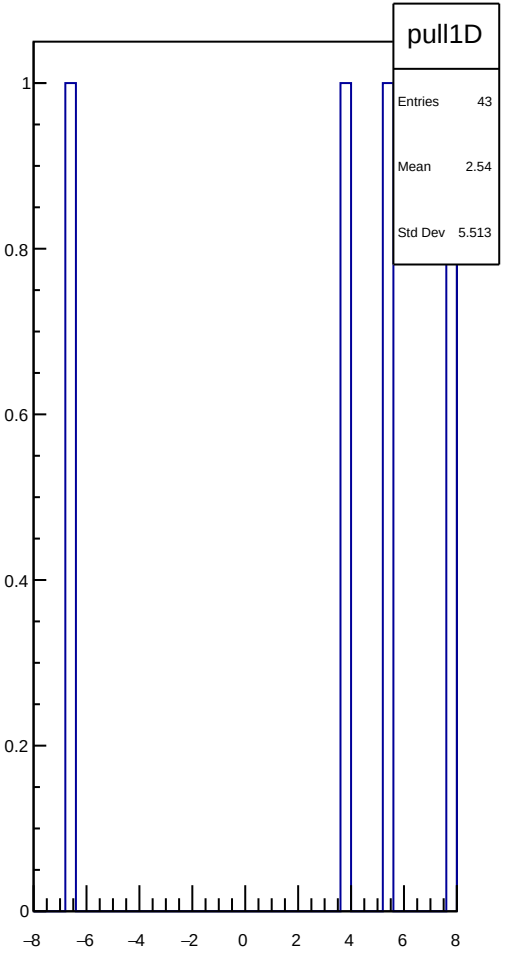

yield_bpm0i02WS_mean vs run
×10^3
χ² / ndf 1.33e+07 / 42
p0 1.349e+05 ± 0.2243
136
135.5
135
134.5
134
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean −2131
Std Dev 0
800
600
400
200
0
−200
−400
−600
−800

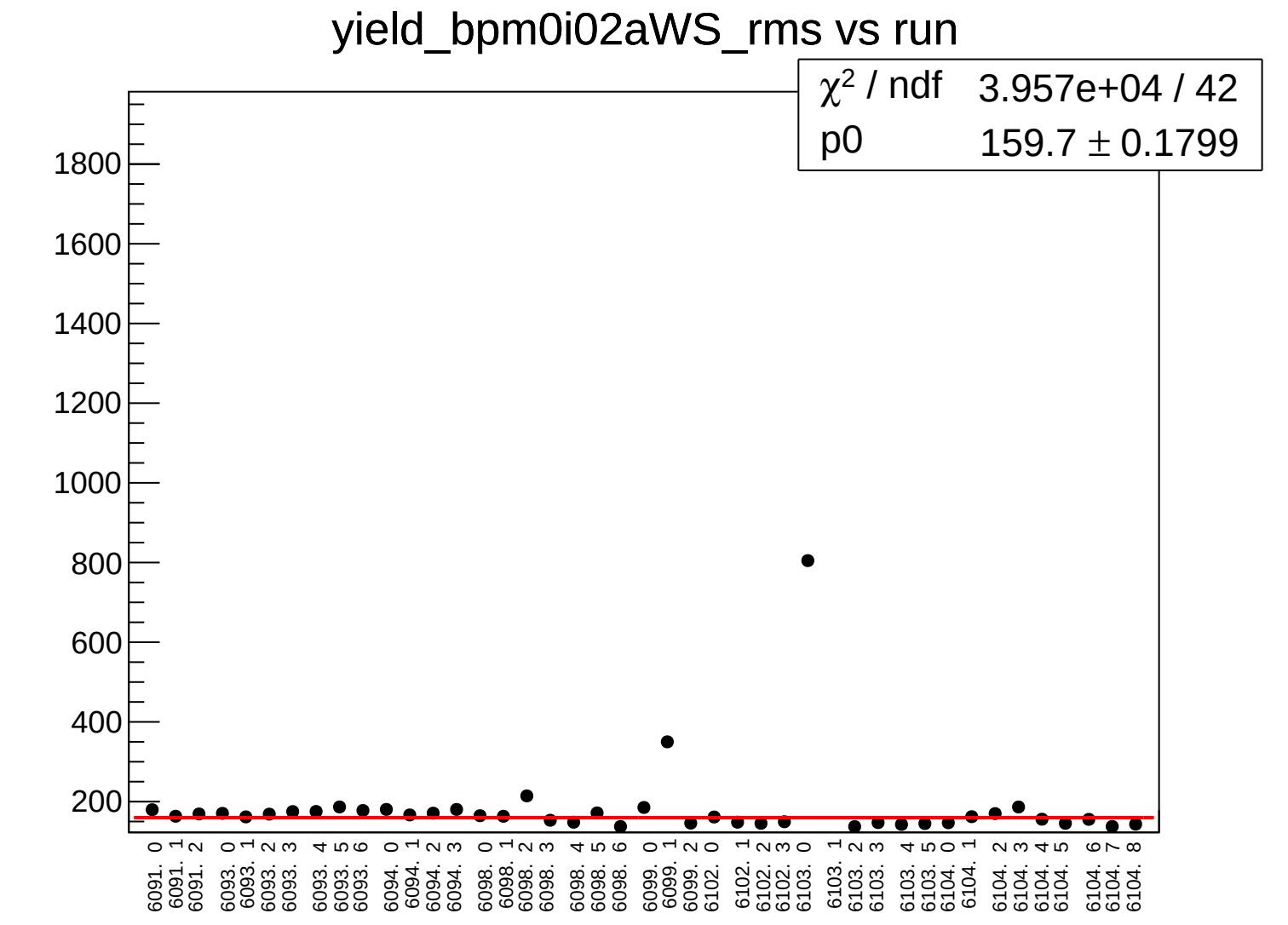

pull1D
Entries 43
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

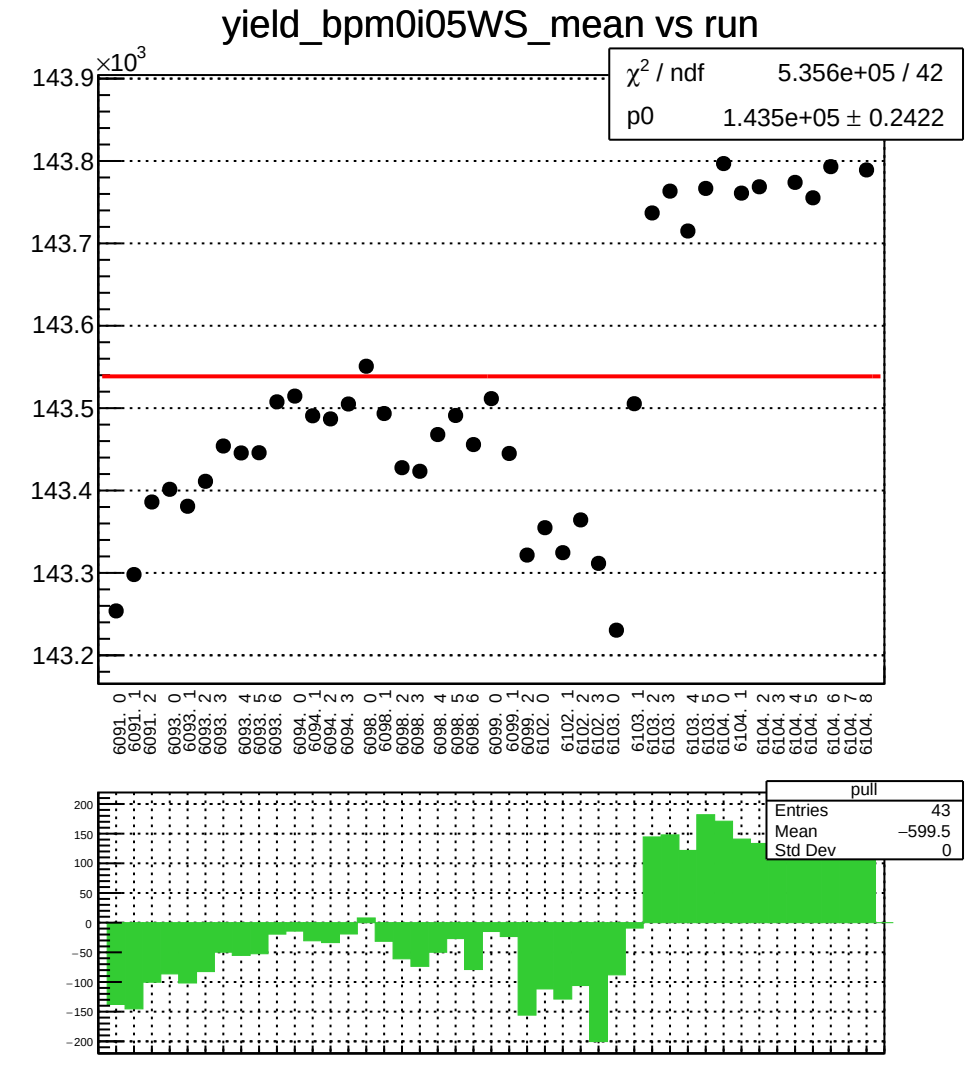

yield_bpm0i02WS_rms vs run
χ² / ndf 2.824e+04 / 42
p0 141.8 ± 0.1586
900
800
700
600
500
400
300
200
100
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

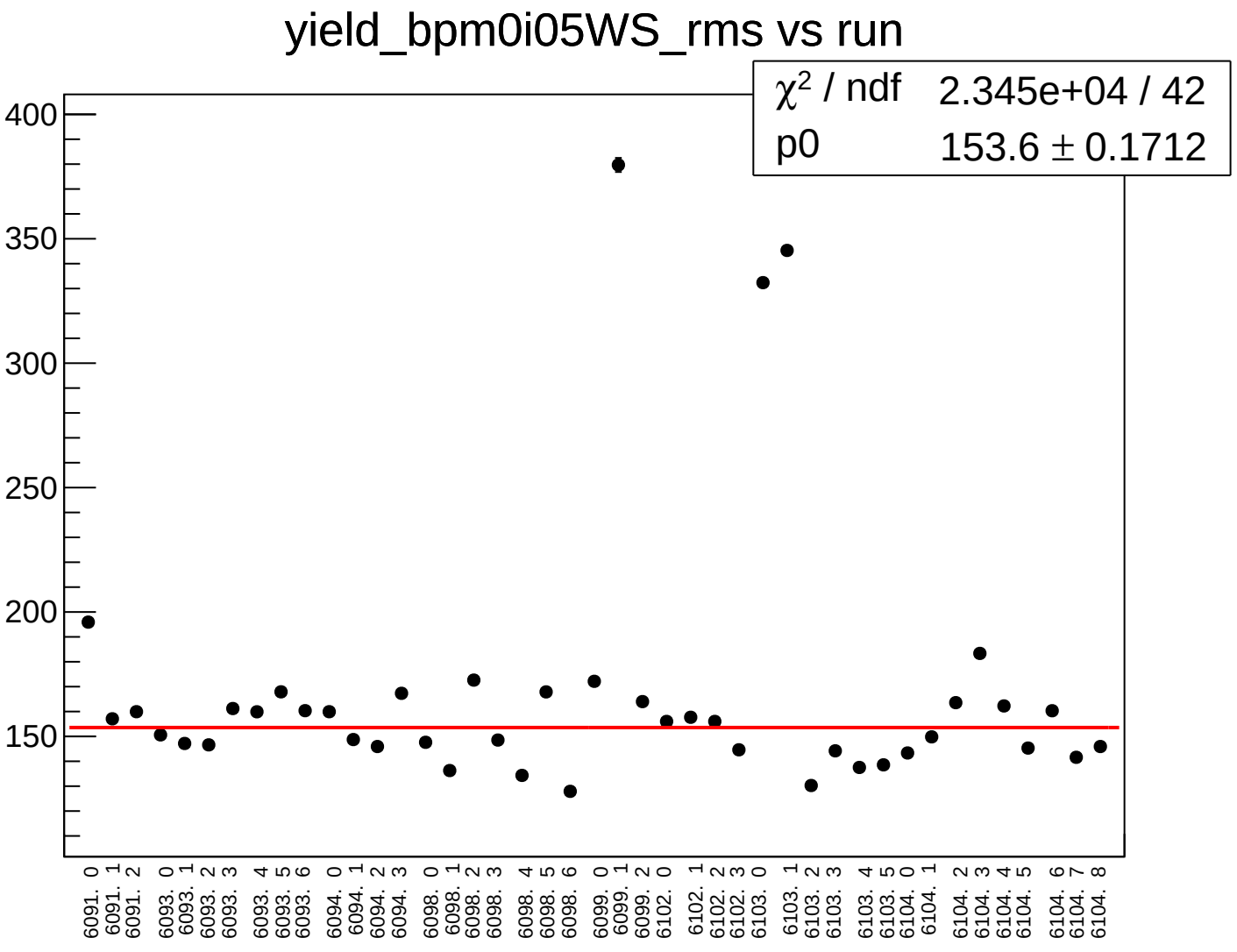

yield_bpm0i02aWS_mean vs run
×10^3
χ^2 / ndf 1.442e+07 / 42
p0 1.415e+05 ± 0.2545
143.5
143
142.5
142
141.5
141
140.5
140
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

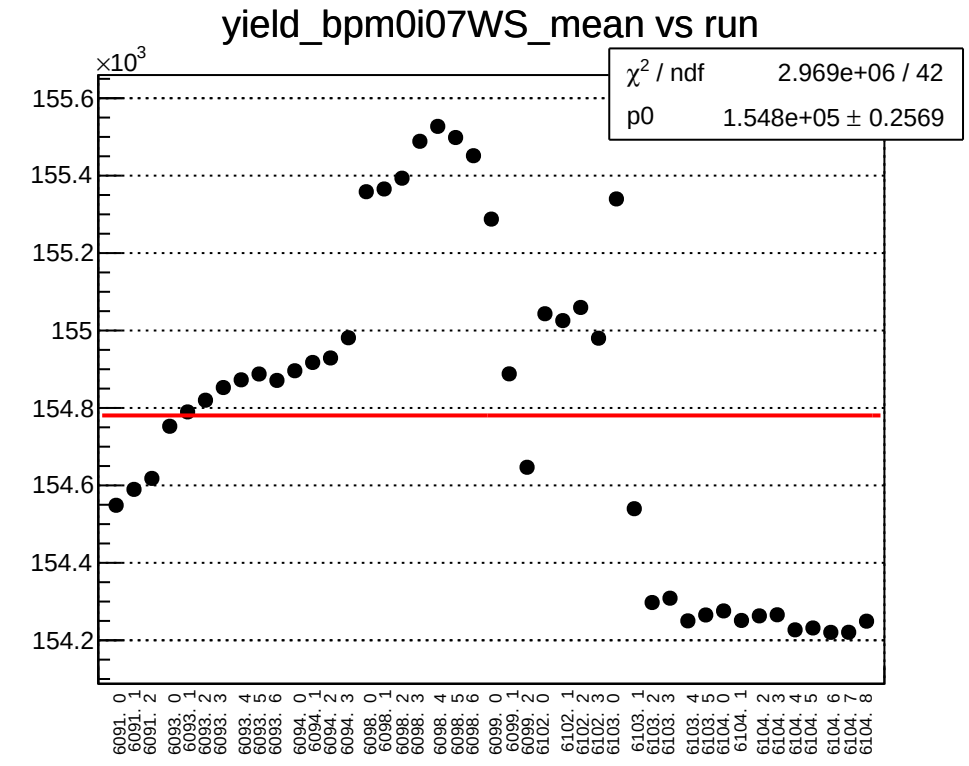

pull
Entries 43
Mean −2612
Std Dev 0
1400
1200
1000
800
600
400
200
0
−200
−400
−600
−800

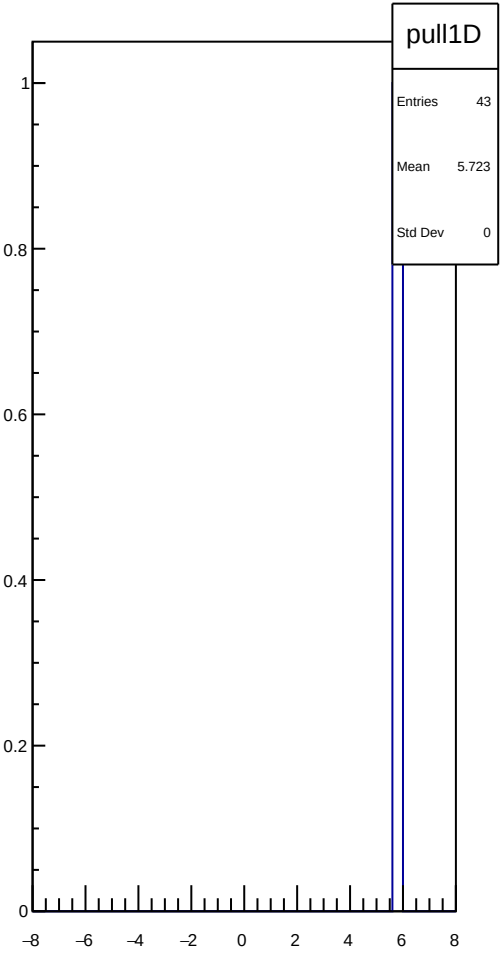

pull1D
Entries 43
Mean 2.54
Std Dev 5.513
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

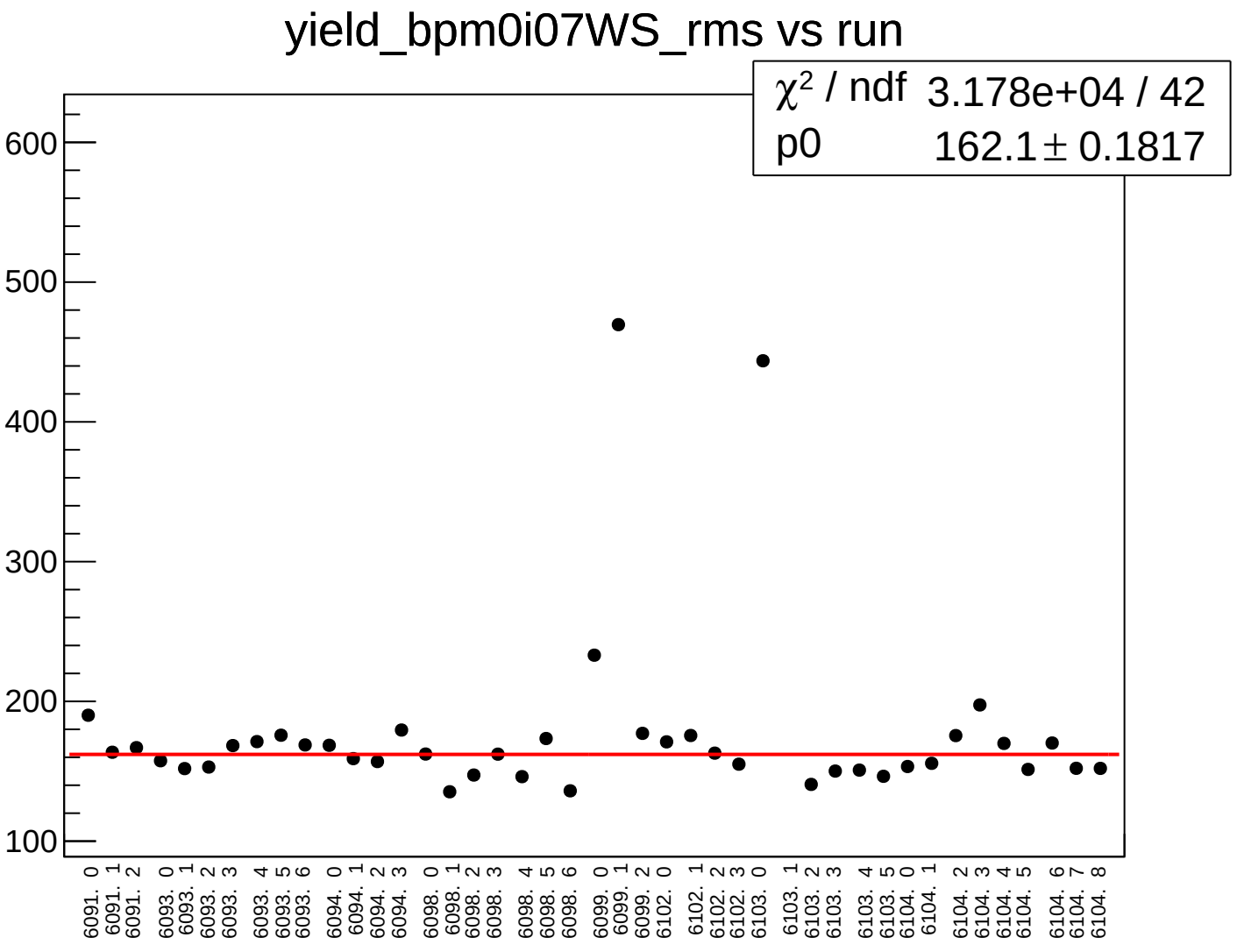

yield_bpm0i02aWS_rms vs run
χ² / ndf 3.957e+04 / 42
p0 159.7 ± 0.1799
1800
1600
1400
1200
1000
800
600
400
200
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

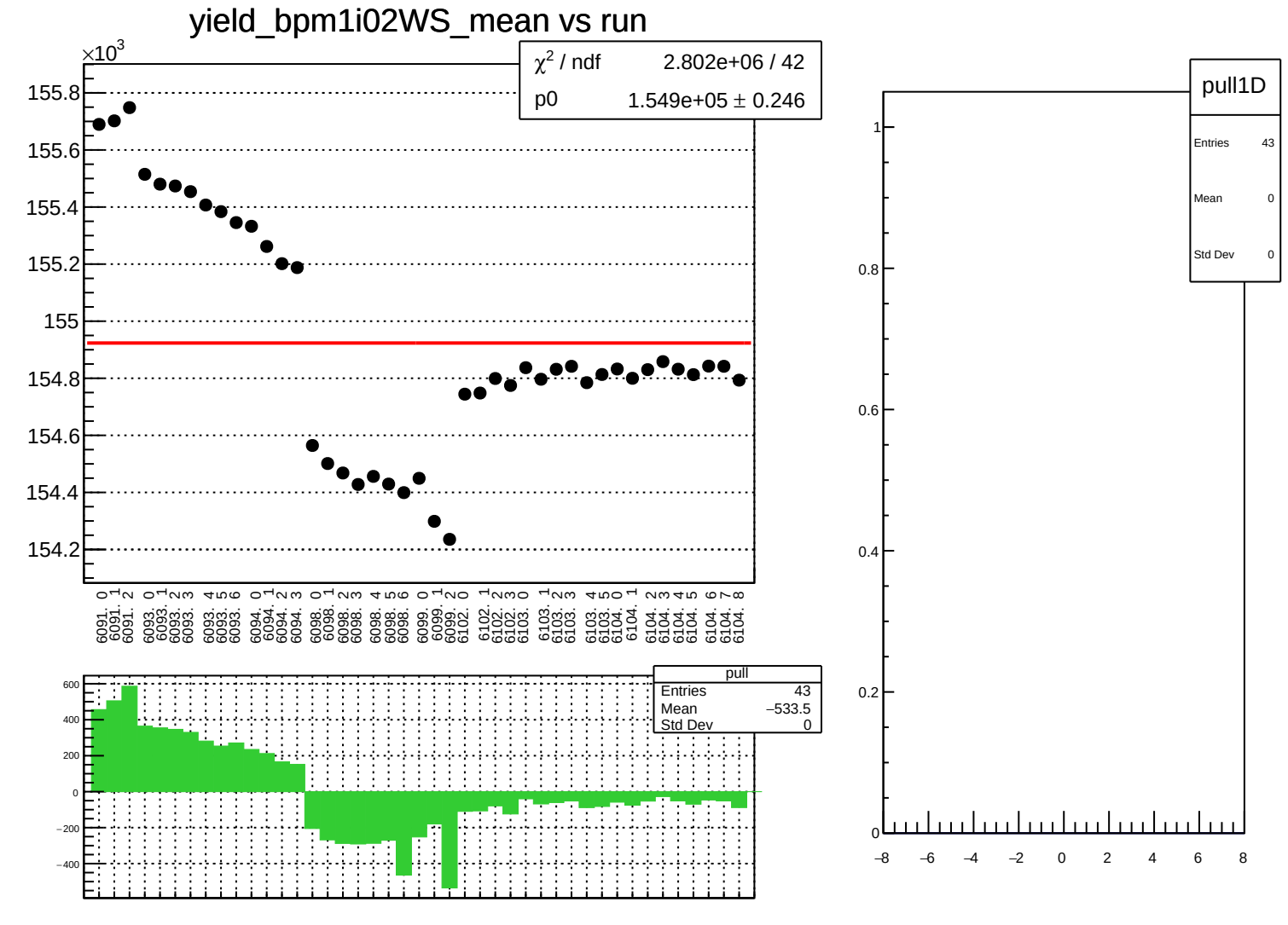

yield_bpm0i05WS_mean vs run
×10^3
χ^2 / ndf 5.356e+05 / 42
p0 1.435e+05 ± 0.2422
143.9
143.8
143.7
143.6
143.5
143.4
143.3
143.2
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean −599.5
Std Dev 0
200
150
100
50
0
−50
−100
−150
−200
pull1D
Entries 43
Mean 7.909
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

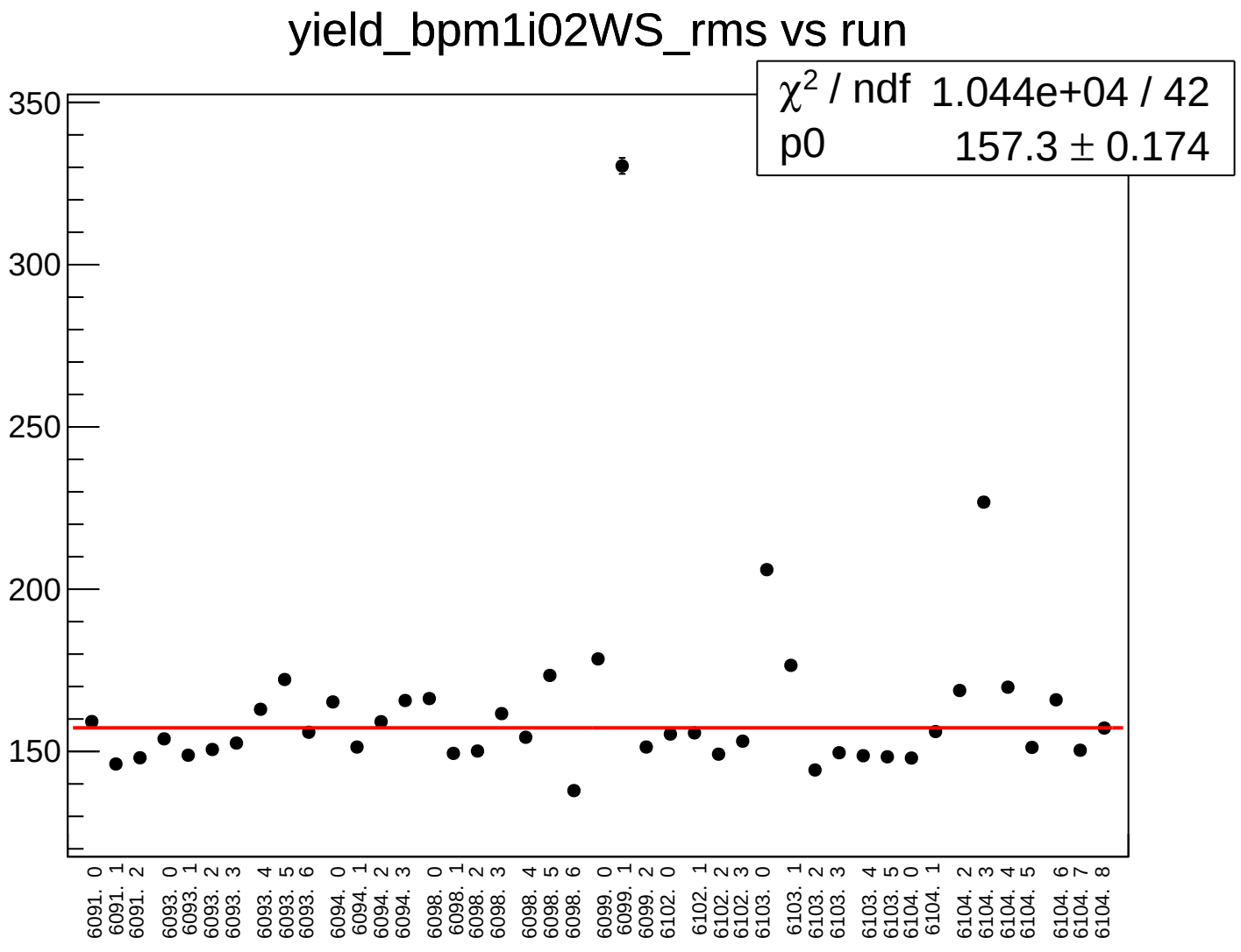

yield_bpm0i05WS_rms vs run
χ² / ndf 2.345e+04 / 42
p0 153.6 ± 0.1712
400
350
300
250
200
150
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

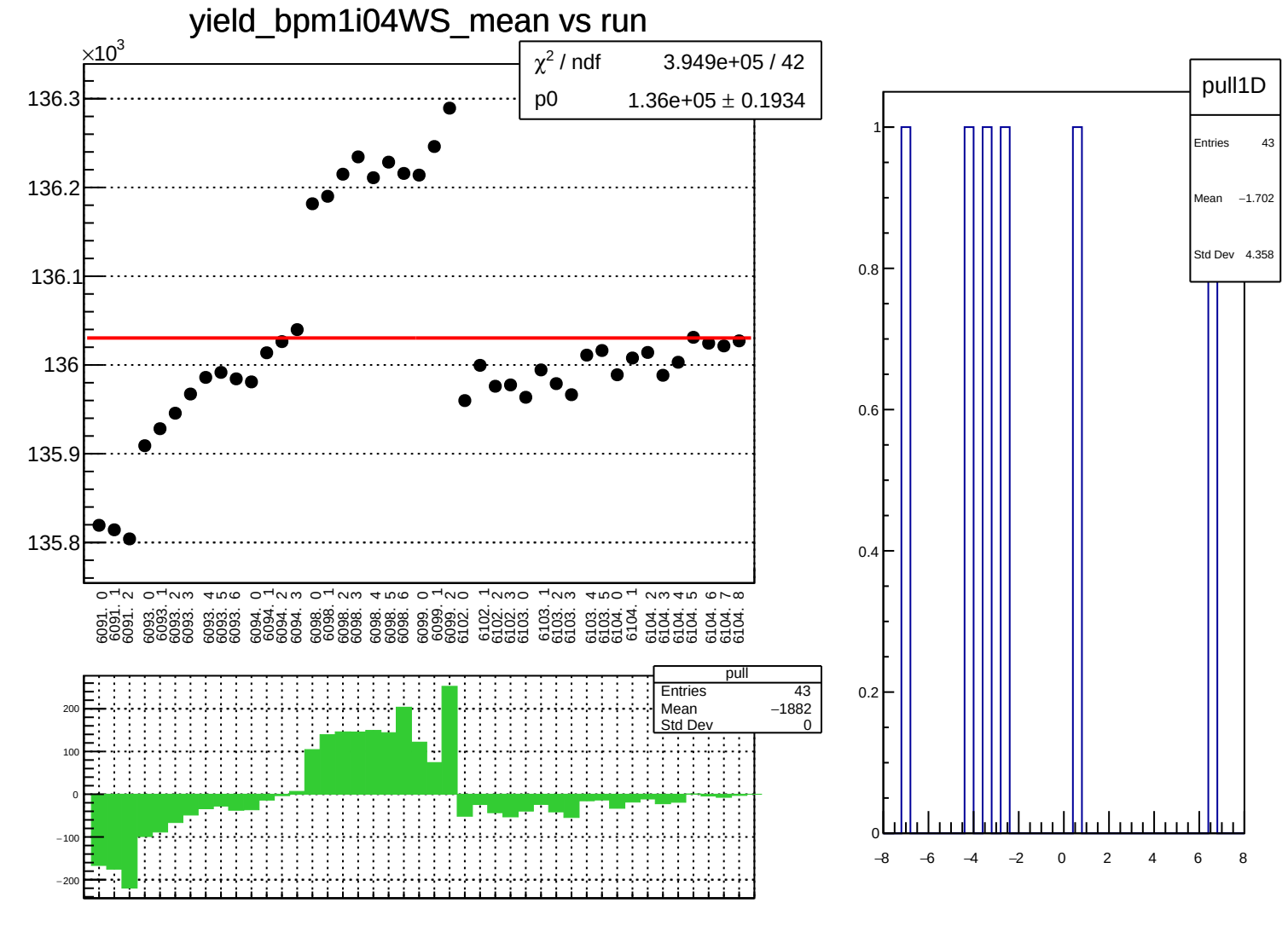

yield_bpm0i07WS_mean vs run
×10^3
χ² / ndf 2.969e+06 / 42
p0 1.548e+05 ± 0.2569
155.6
155.4
155.2
155
154.8
154.6
154.4
154.2
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 691.7
Std Dev 0
600
400
200
0
−200
−400

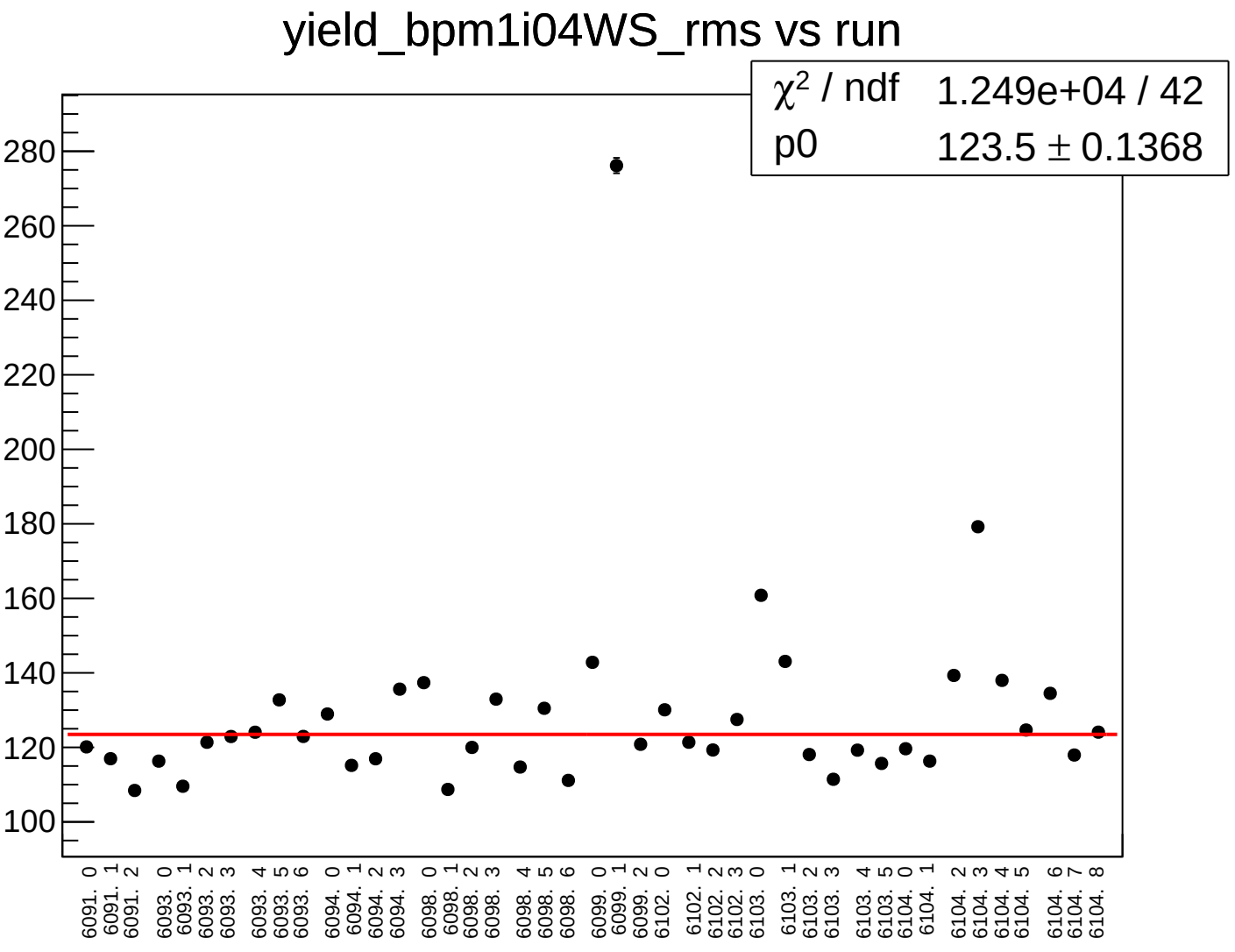

pull1D
Entries 43
Mean 5.723
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

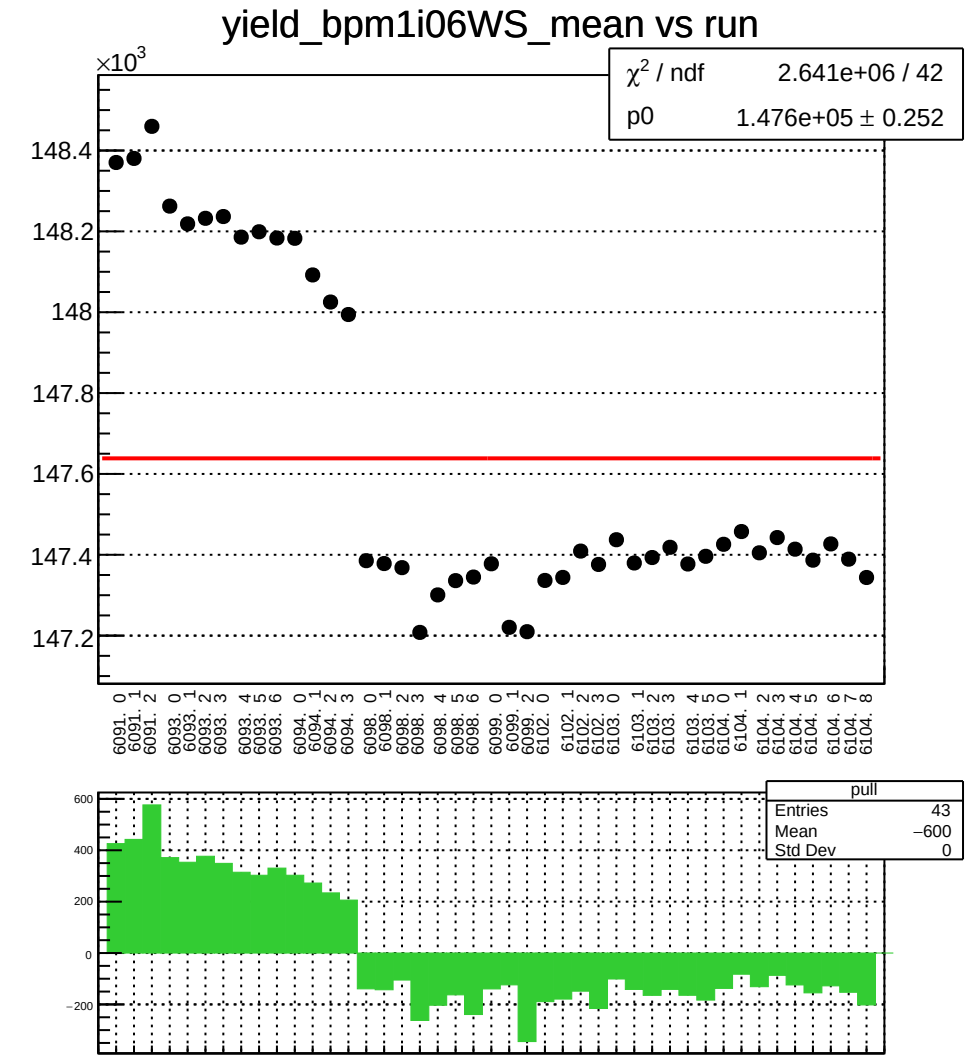

yield_bpm0i07WS_rms vs run
χ² / ndf 3.178e+04 / 42
p0 162.1 ± 0.1817
600
500
400
300
200
100
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

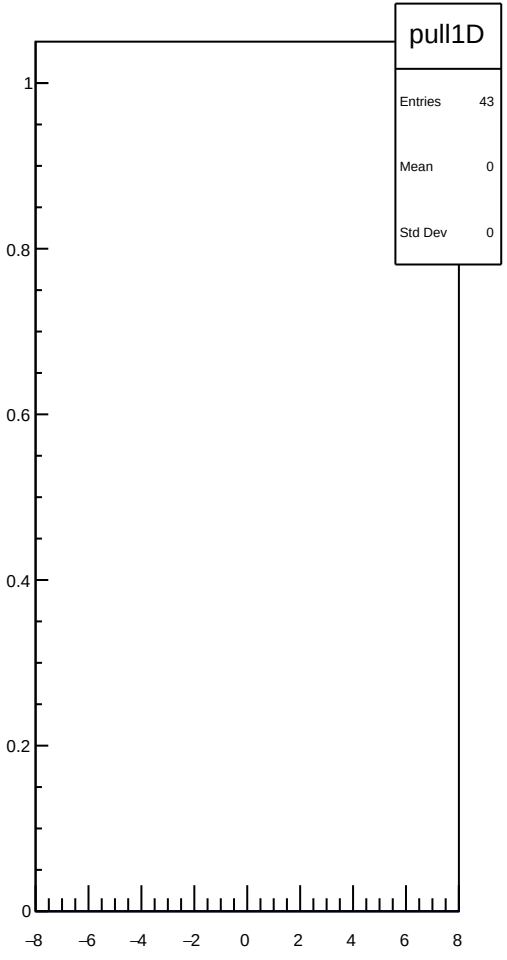

yield_bpm1i02WS_mean vs run
×10^3
χ² / ndf 2.802e+06 / 42
p0 1.549e+05 ± 0.246
155.8
155.6
155.4
155.2
155
154.8
154.6
154.4
154.2
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean −533.5
Std Dev 0
600
400
200
0
−200
−400
pull1D
Entries 43
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

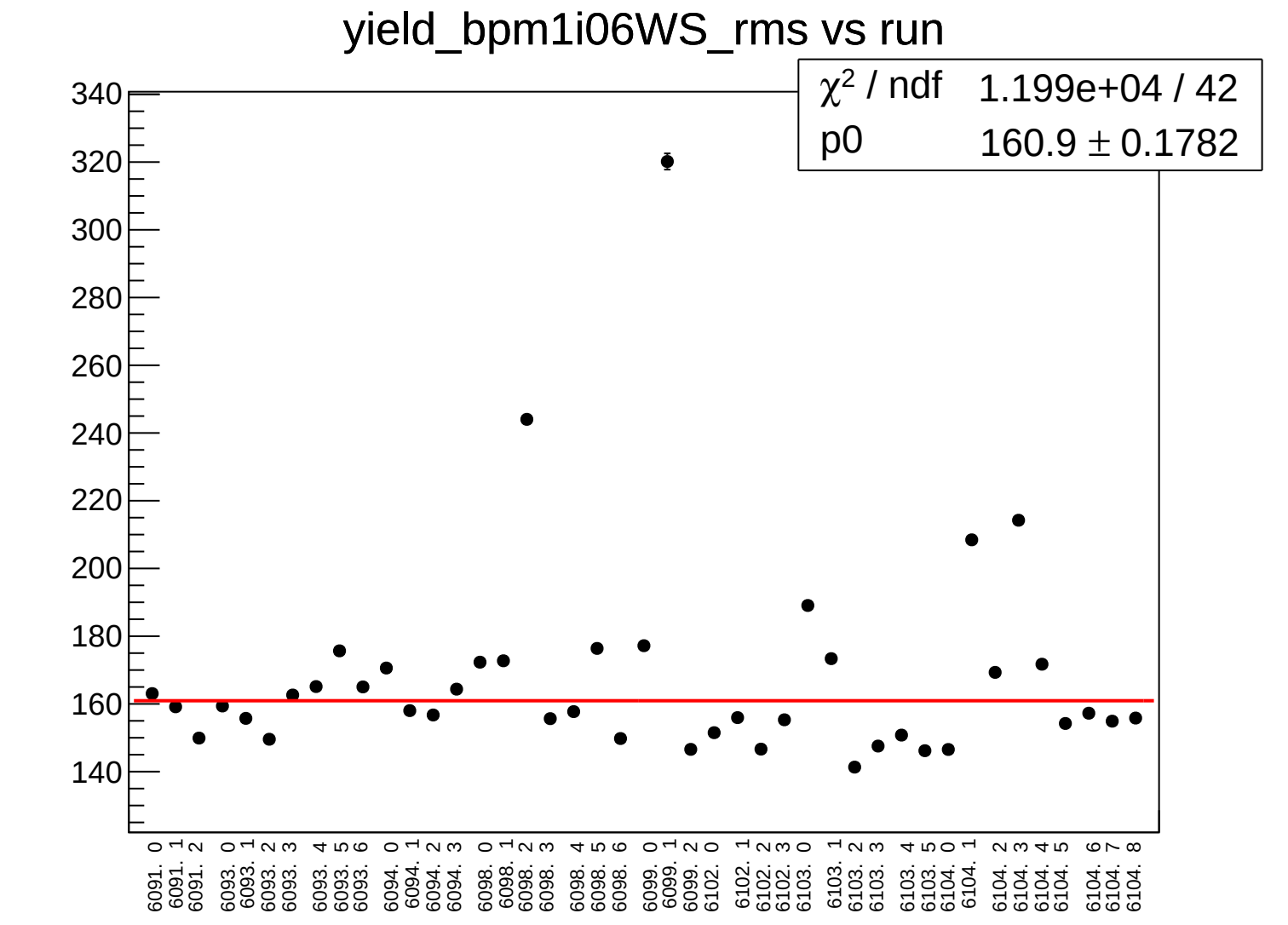

yield_bpm1i02WS_rms vs run
χ² / ndf 1.044e+04 / 42
p0 157.3 ± 0.174
350
300
250
200
150
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8


yield_bpm1i04WS_mean vs run
×10^3
χ² / ndf 3.949e+05 / 42
p0 1.36e+05 ± 0.1934
136.3
136.2
136.1
136
135.9
135.8
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean −1882
Std Dev 0
200
100
0
−100
−200
pull1D
Entries 43
Mean −1.702
Std Dev 4.358
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 1.249e+04 / 42
p0 123.5 ± 0.1368
280
260
240
220
200
180
160
140
120
100
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8


yield_bpm1i06WS_mean vs run
×10^3
χ^2 / ndf 2.641e+06 / 42
p0 1.476e+05 ± 0.252
148.4
148.2
148
147.8
147.6
147.4
147.2
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean −600
Std Dev 0
600
400
200
0
−200


pull1D
Entries 43
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8


yield_bpm1i06WS_rms vs run
χ² / ndf 1.199e+04 / 42
p0 160.9 ± 0.1782
340
320
300
280
260
240
220
200
180
160
140
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
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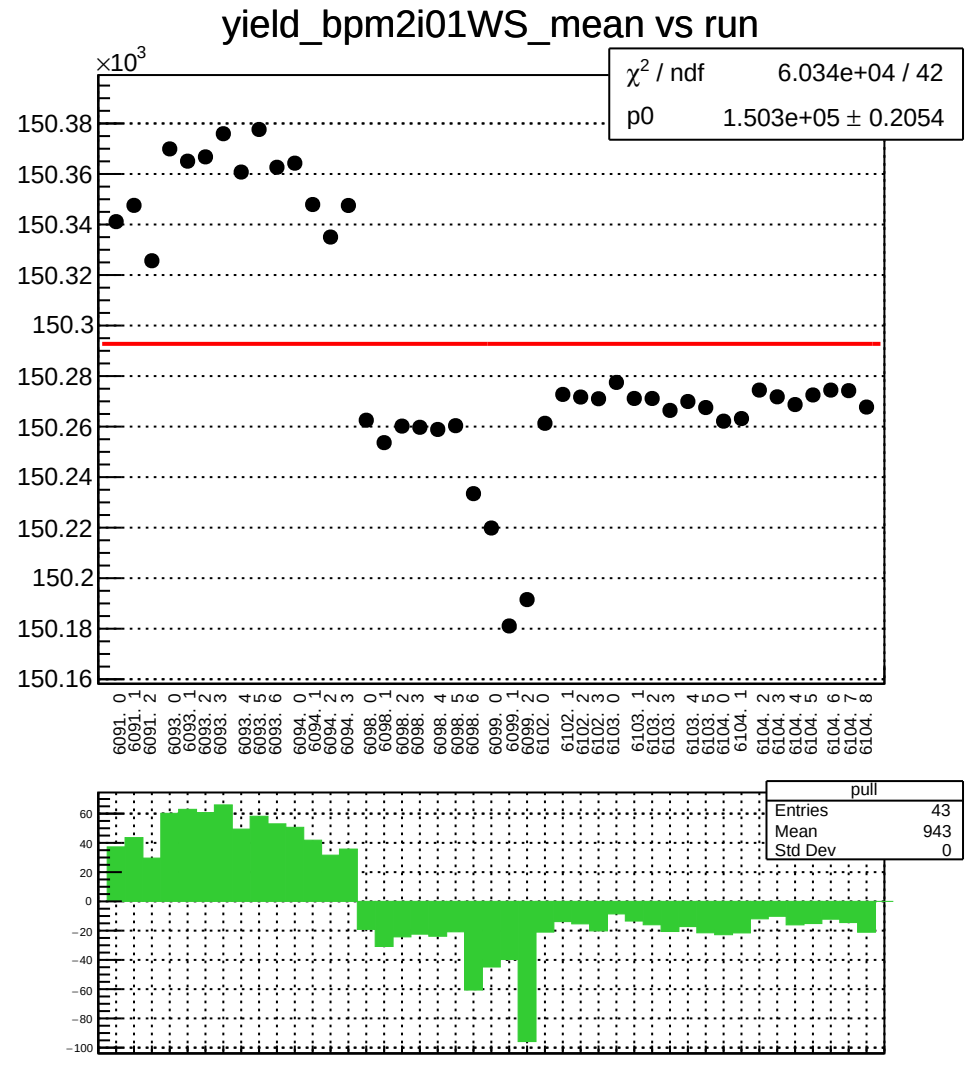
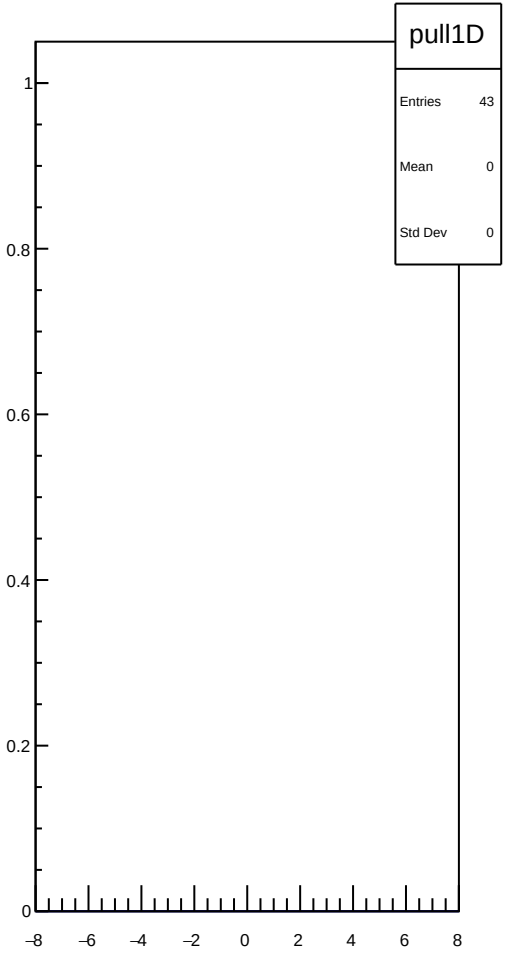
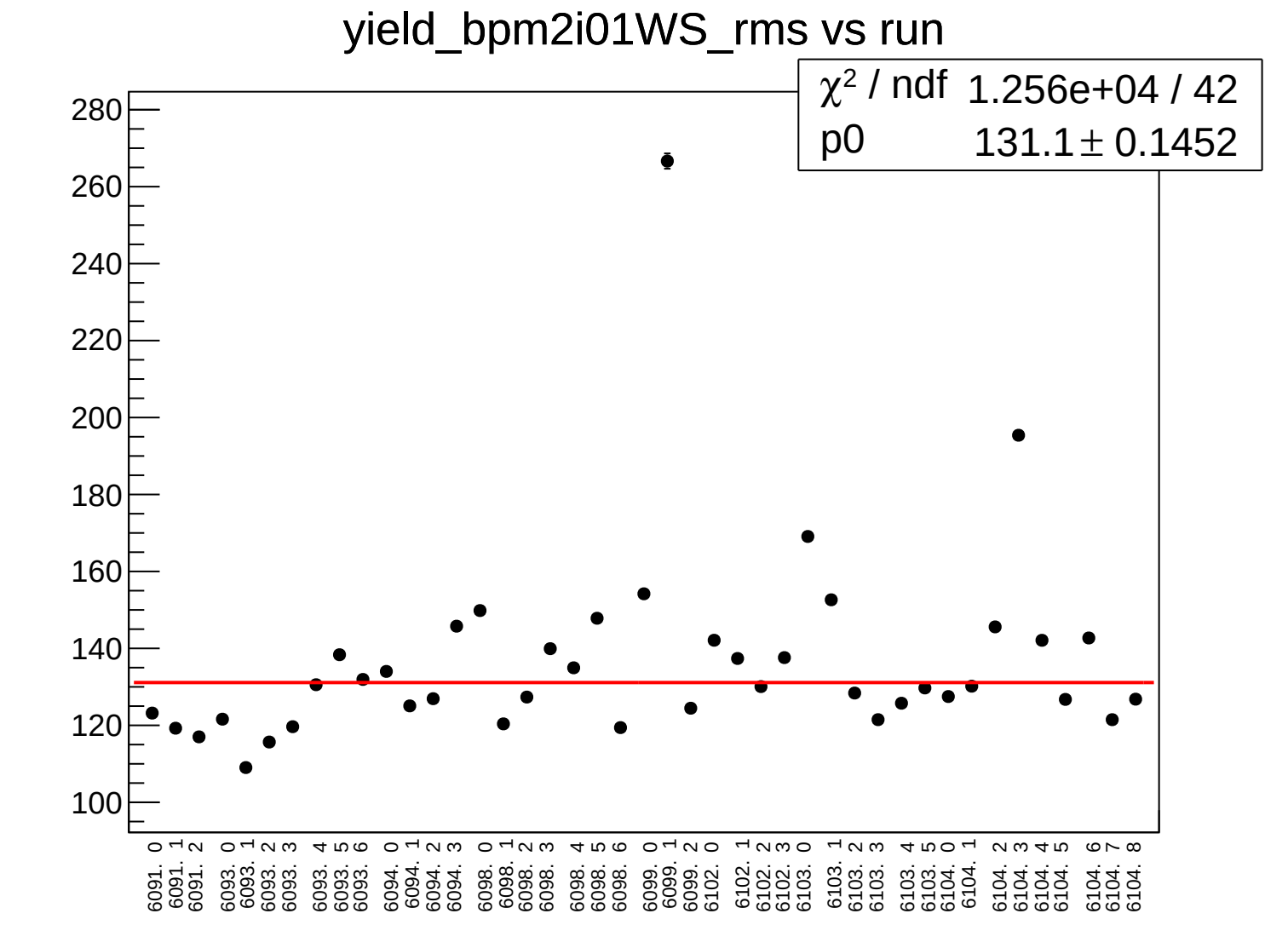
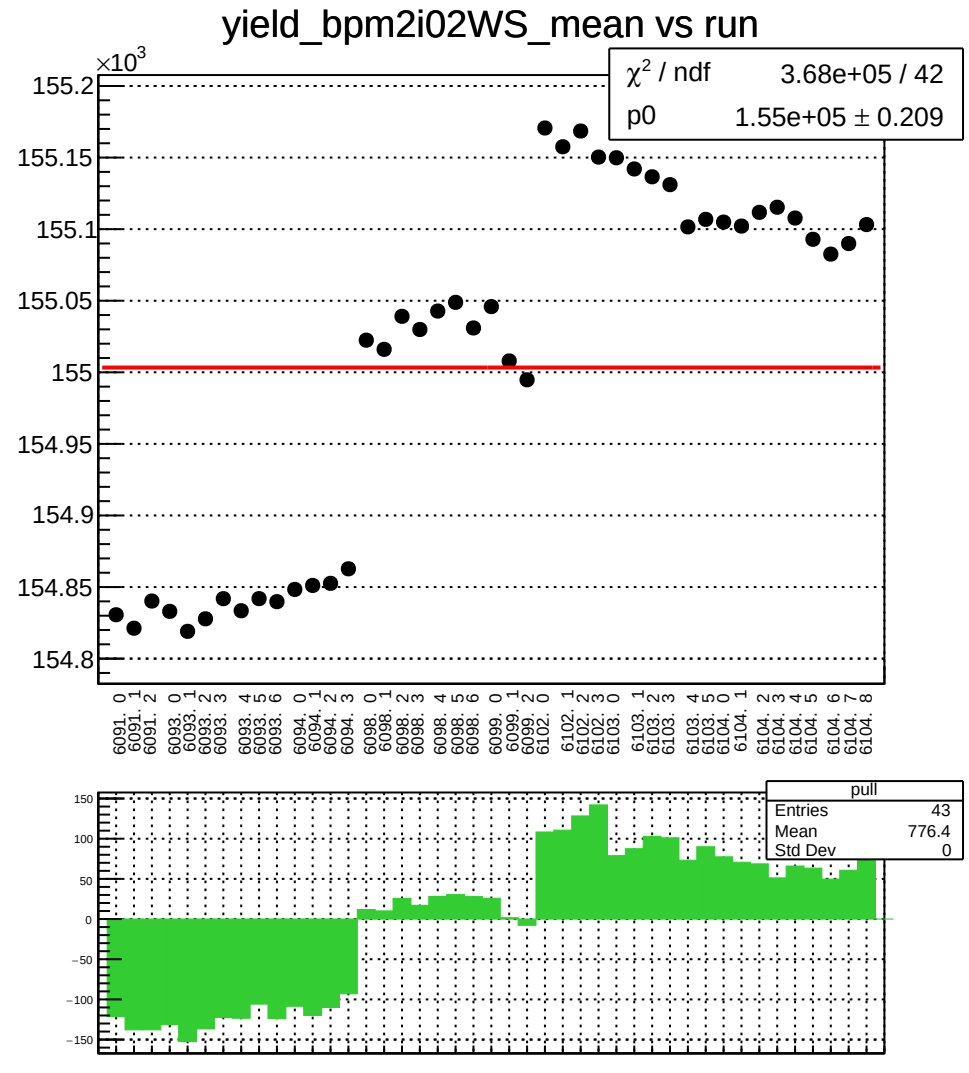
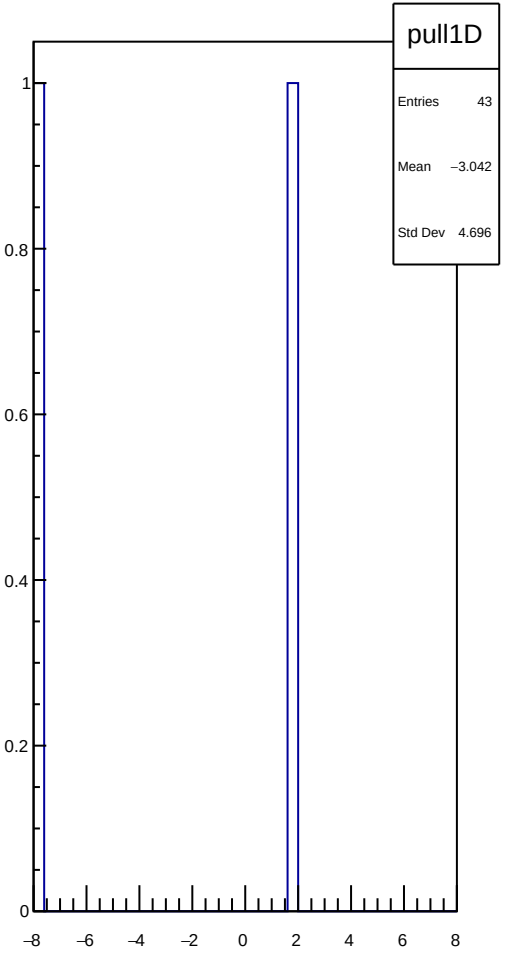
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

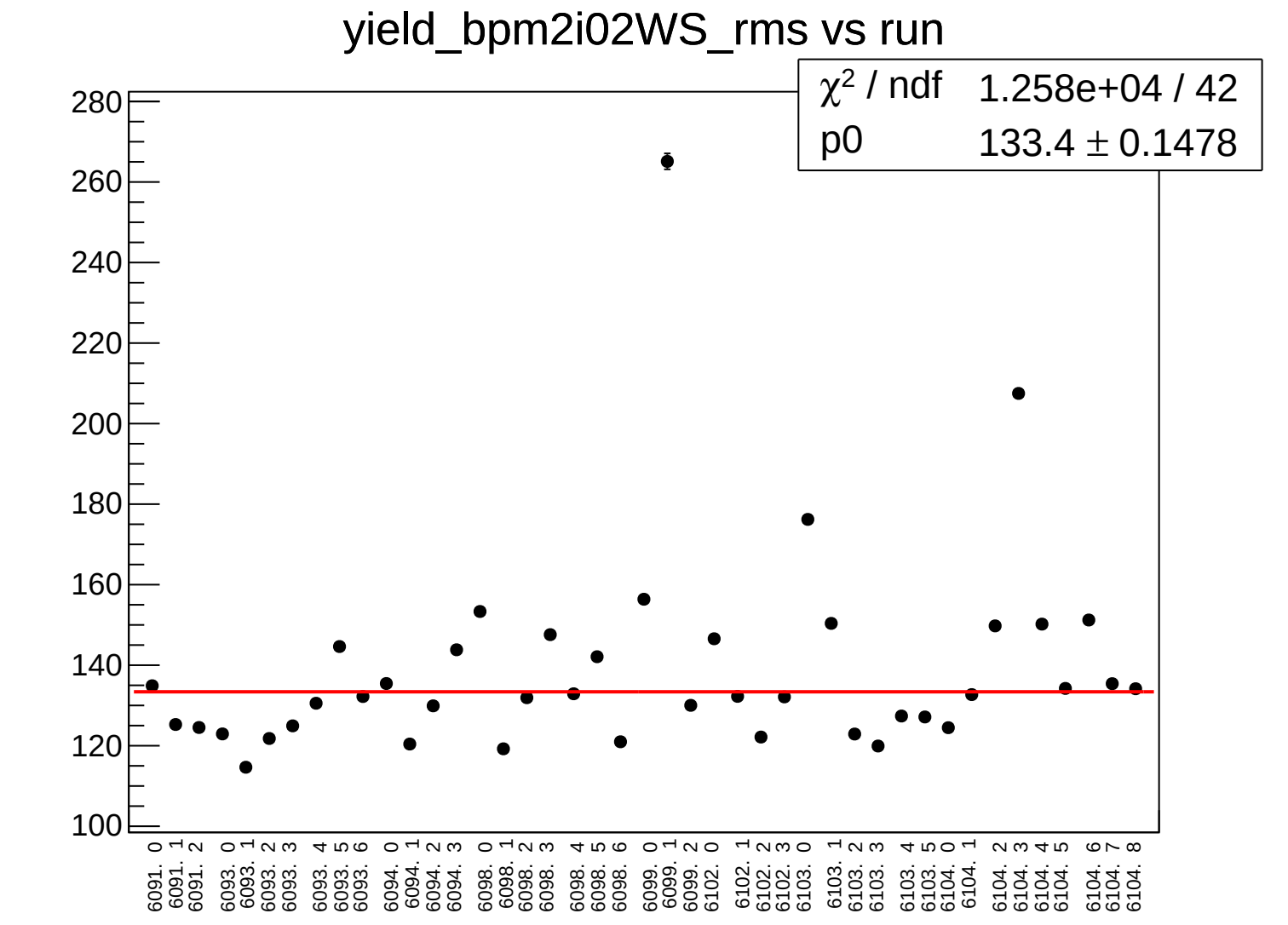

yield_bpm2i01WS_mean vs run
×10^3
χ^2 / ndf 6.034e+04 / 42
p0 1.503e+05 ± 0.2054
150.38
150.36
150.34
150.32
150.3
150.28
150.26
150.24
150.22
150.2
150.18
150.16
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 943
Std Dev 0
60
40
20
0
−20
−40
−60
−80
−100

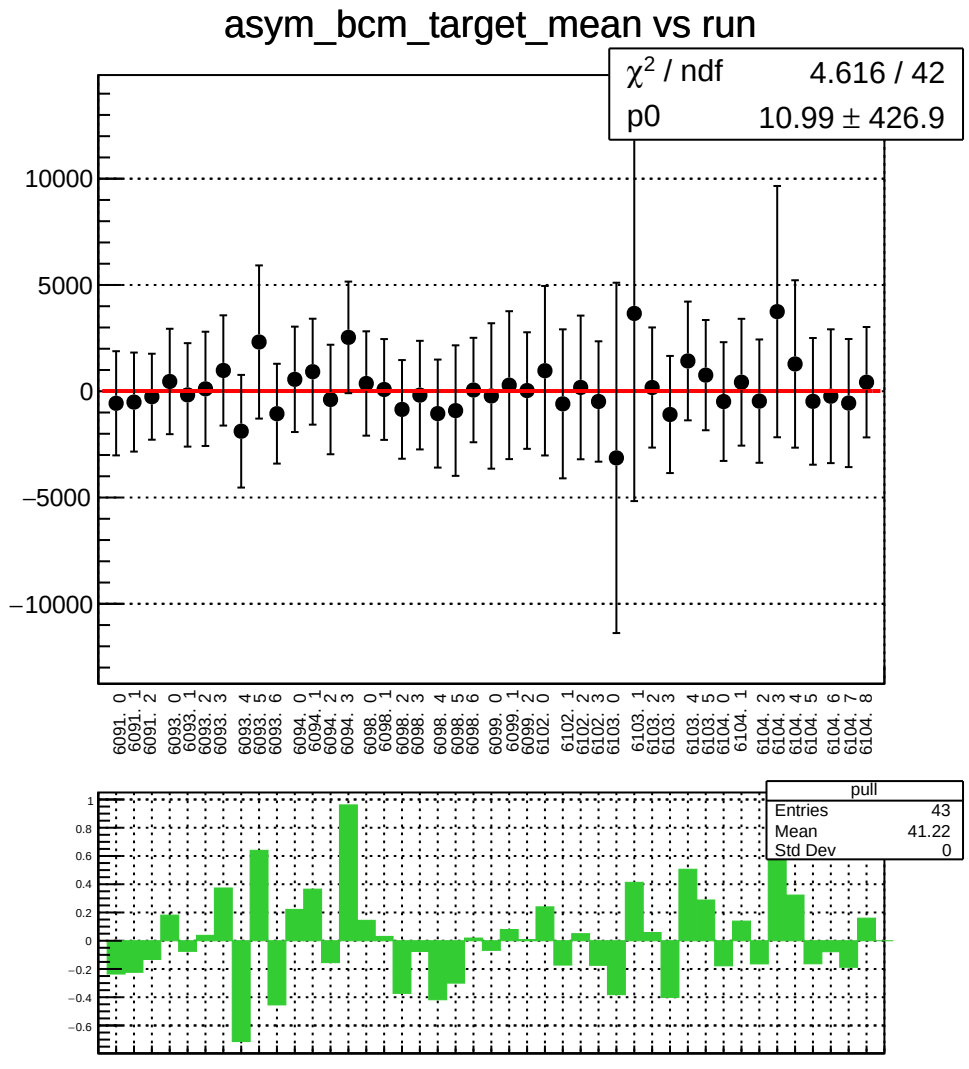

pull1D
Entries 43
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

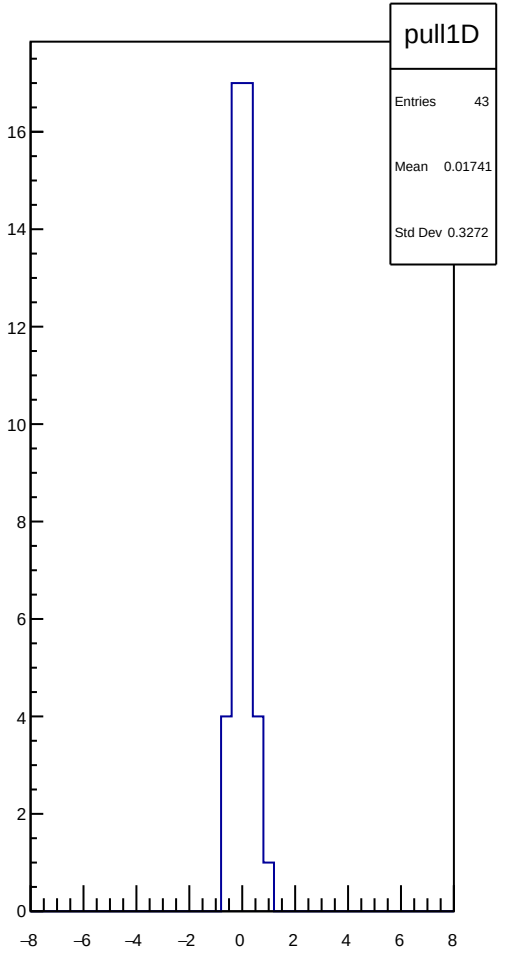

yield_bpm2i01WS_rms vs run
χ² / ndf 1.256e+04 / 42
p0 131.1 ± 0.1452
280
260
240
220
200
180
160
140
120
100
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

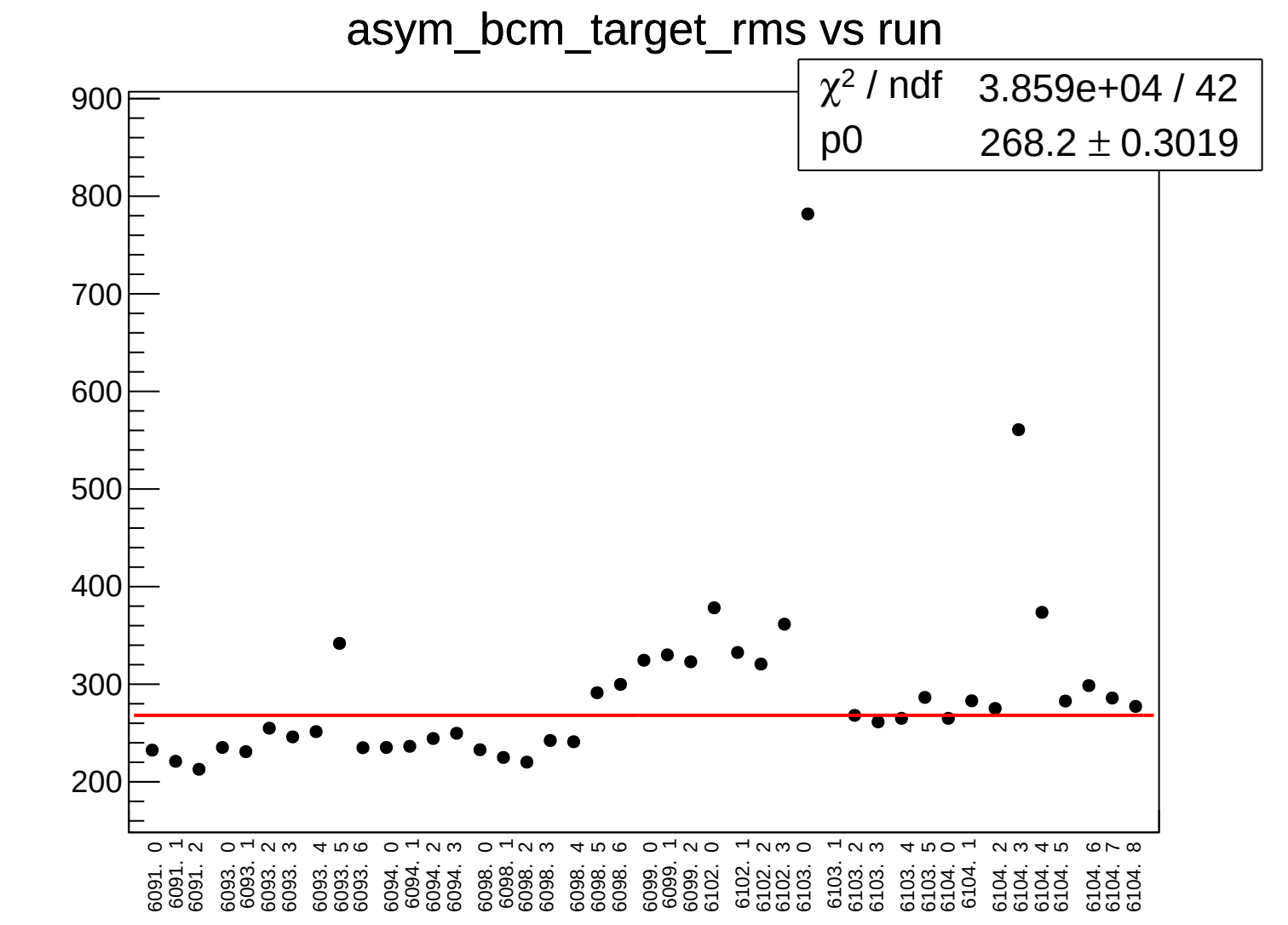

yield_bpm2i02WS_mean vs run
×10^3
155.2
155.15
155.1
155.05
155
154.95
154.9
154.85
154.8
χ² / ndf 3.68e+05 / 42
p0 1.55e+05 ± 0.209
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
150
100
50
0
−50
−100
−150
pull
Entries 43
Mean 776.4
Std Dev 0

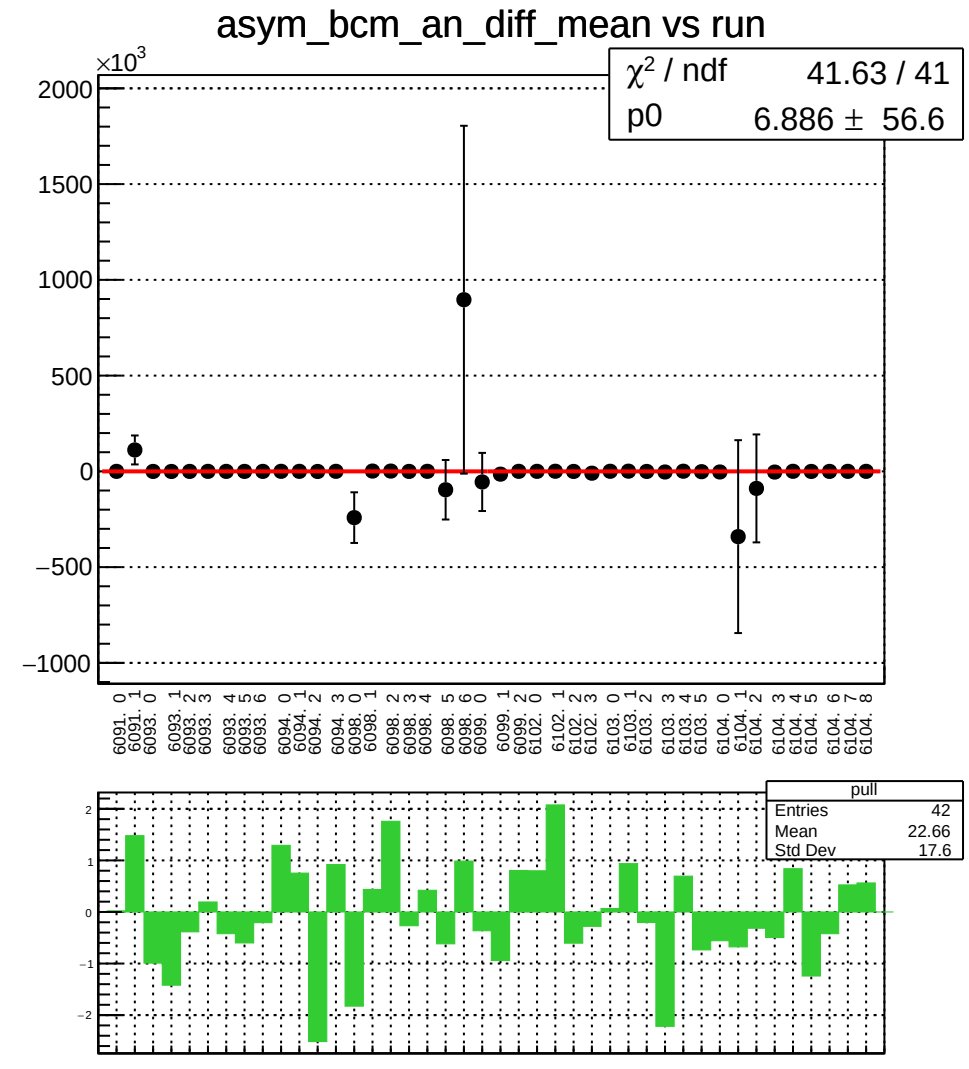

pull1D
Entries 43
Mean −3.042
Std Dev 4.696
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

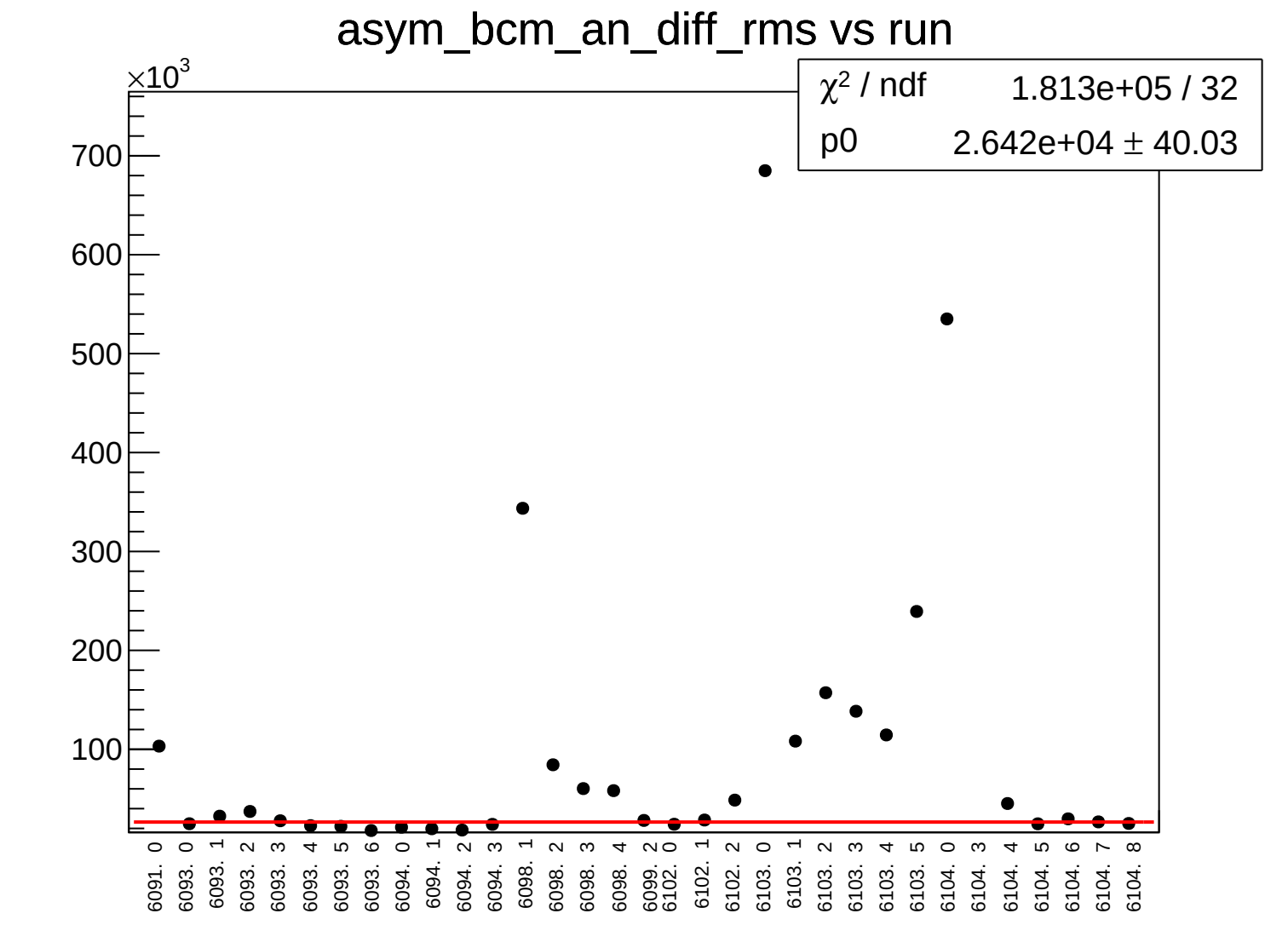

yield_bpm2i02WS_rms vs run
χ² / ndf 1.258e+04 / 42
p0 133.4 ± 0.1478
280
260
240
220
200
180
160
140
120
100
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

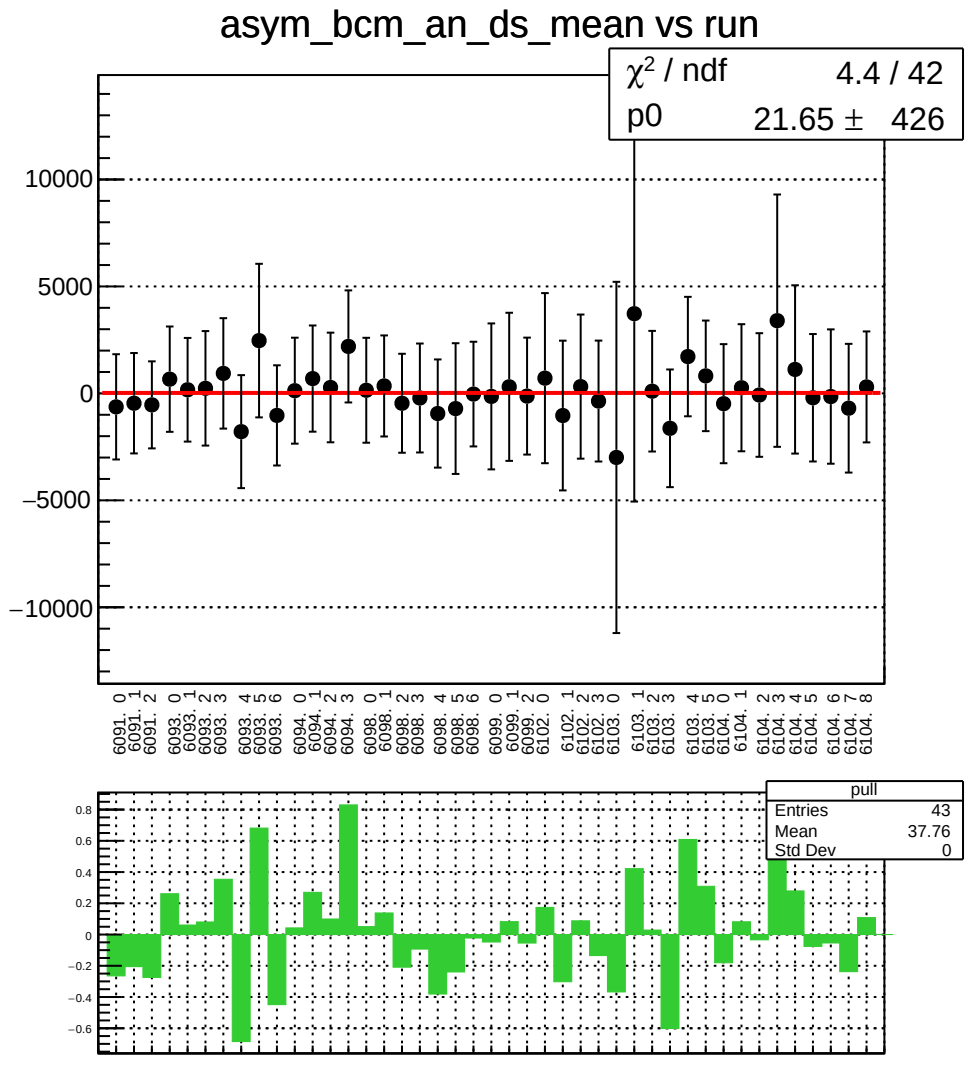

asym_bcm_target_mean vs run
χ² / ndf 4.616 / 42
p0 10.99 ± 426.9
10000
5000
0
−5000
−10000
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 41.22
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6

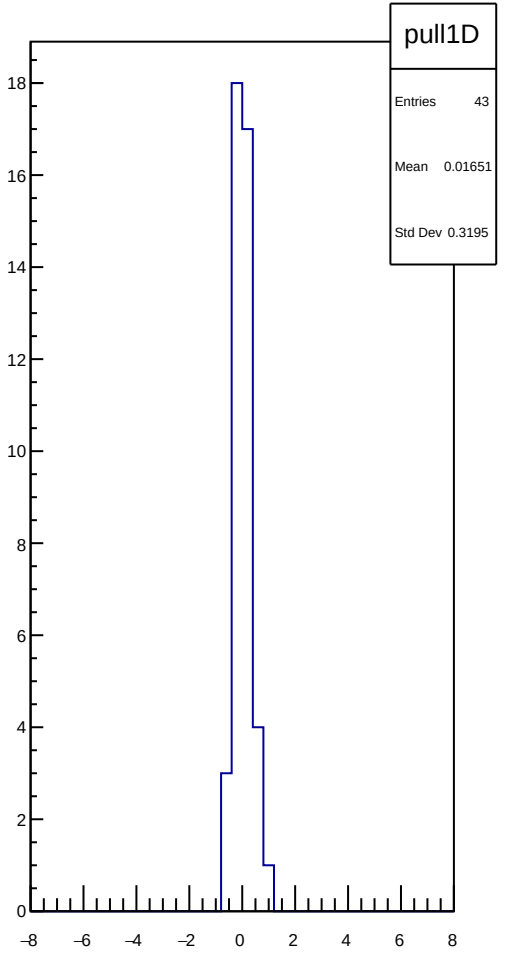

pull1D
Entries 43
Mean 0.01741
Std Dev 0.3272
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

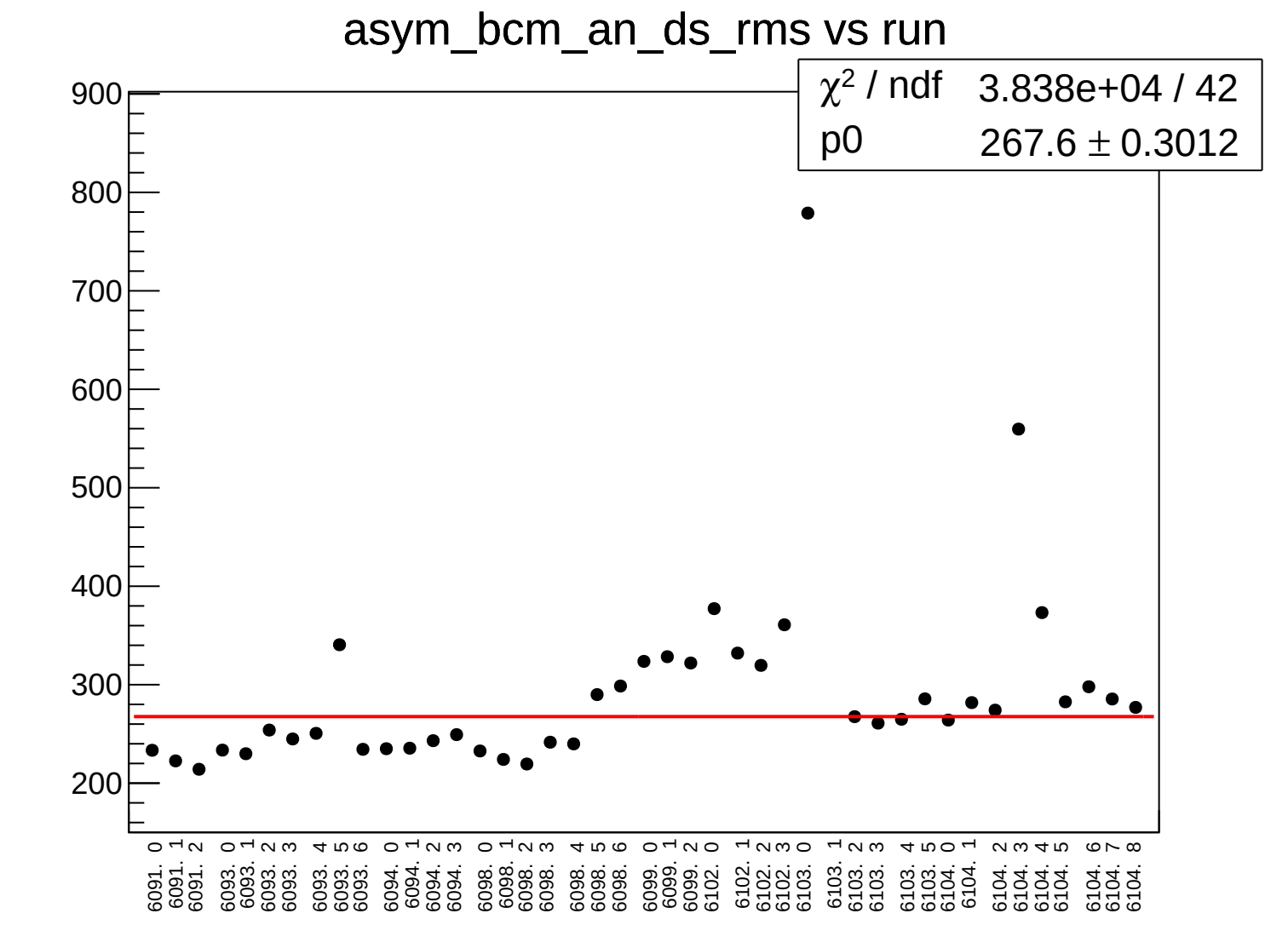

asym_bcm_target_rms vs run
χ^2 / ndf 3.859e+04 / 42
p0 268.2 ± 0.3019
900
800
700
600
500
400
300
200
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

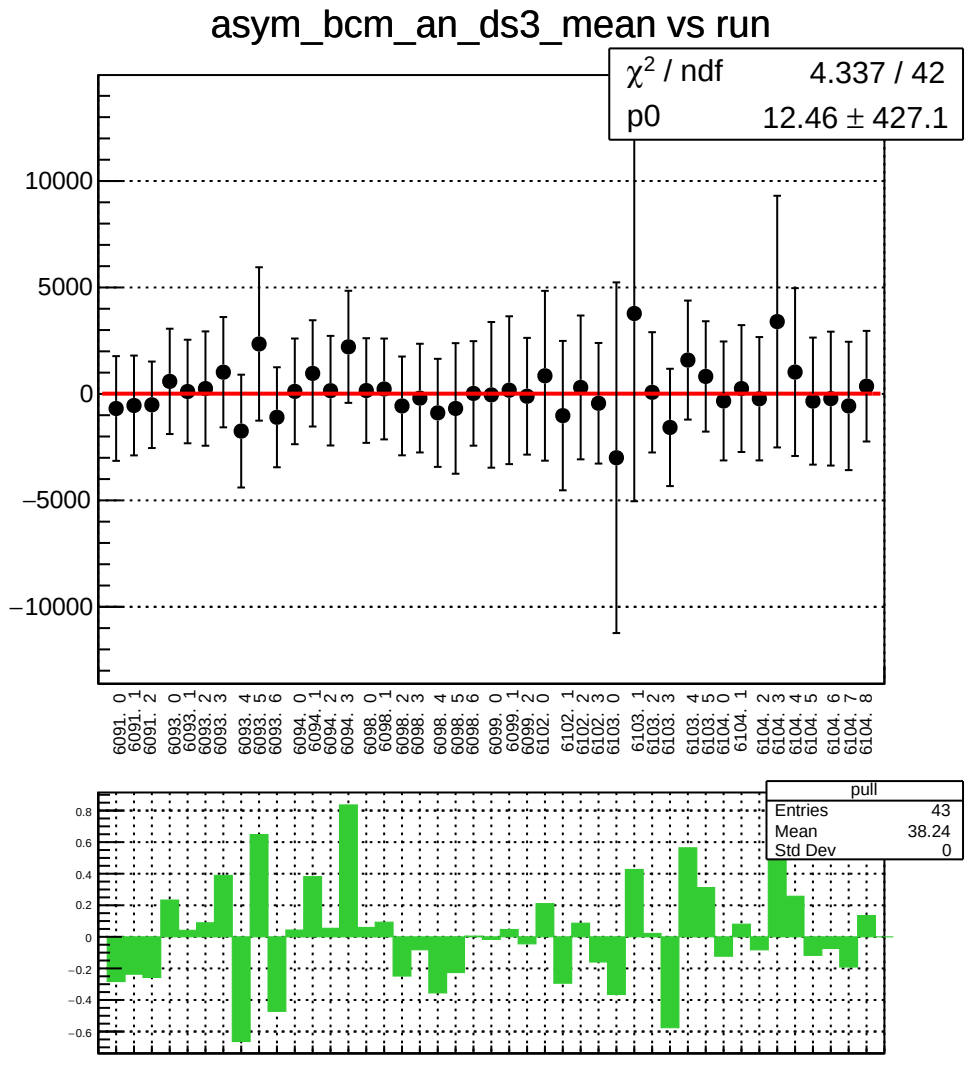

asym_bcm_an_diff_mean vs run
×10^3
χ² / ndf 41.63 / 41
p0 6.886 ± 56.6
2000
1500
1000
500
0
−500
−1000
6091. 0
6091. 1
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 42
Mean 22.66
Std Dev 17.6
2
1
0
−1
−2
pull1D
Entries 42
Mean −0.06513
Std Dev 0.9934
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

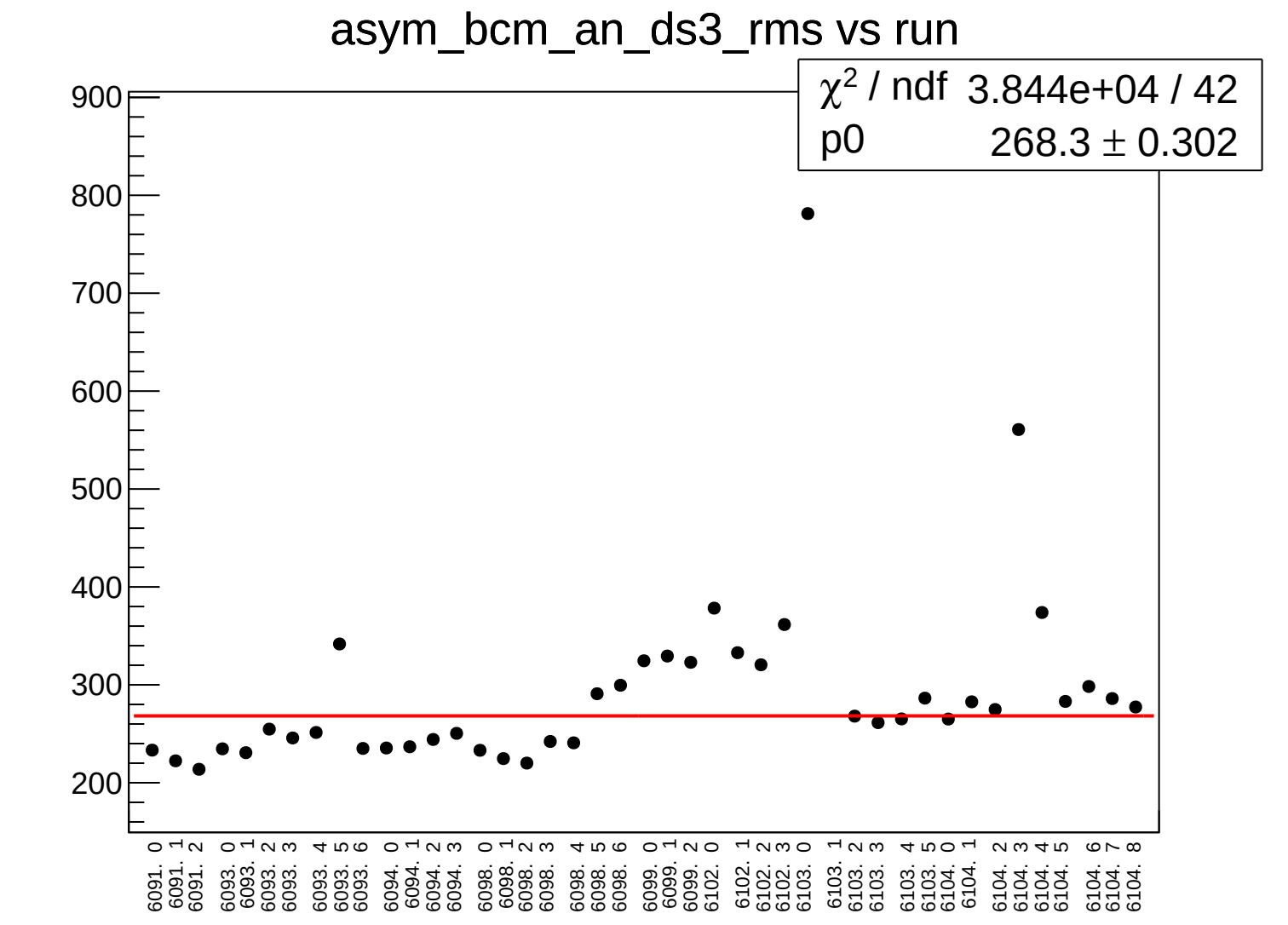

asym_bcm_an_diff_rms vs run
×10^3
χ² / ndf 1.813e+05 / 32
p0 2.642e+04 ± 40.03
700
600
500
400
300
200
100
6091. 0
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 1
6098. 2
6098. 3
6098. 4
6099. 2
6102. 0
6102. 1
6102. 2
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

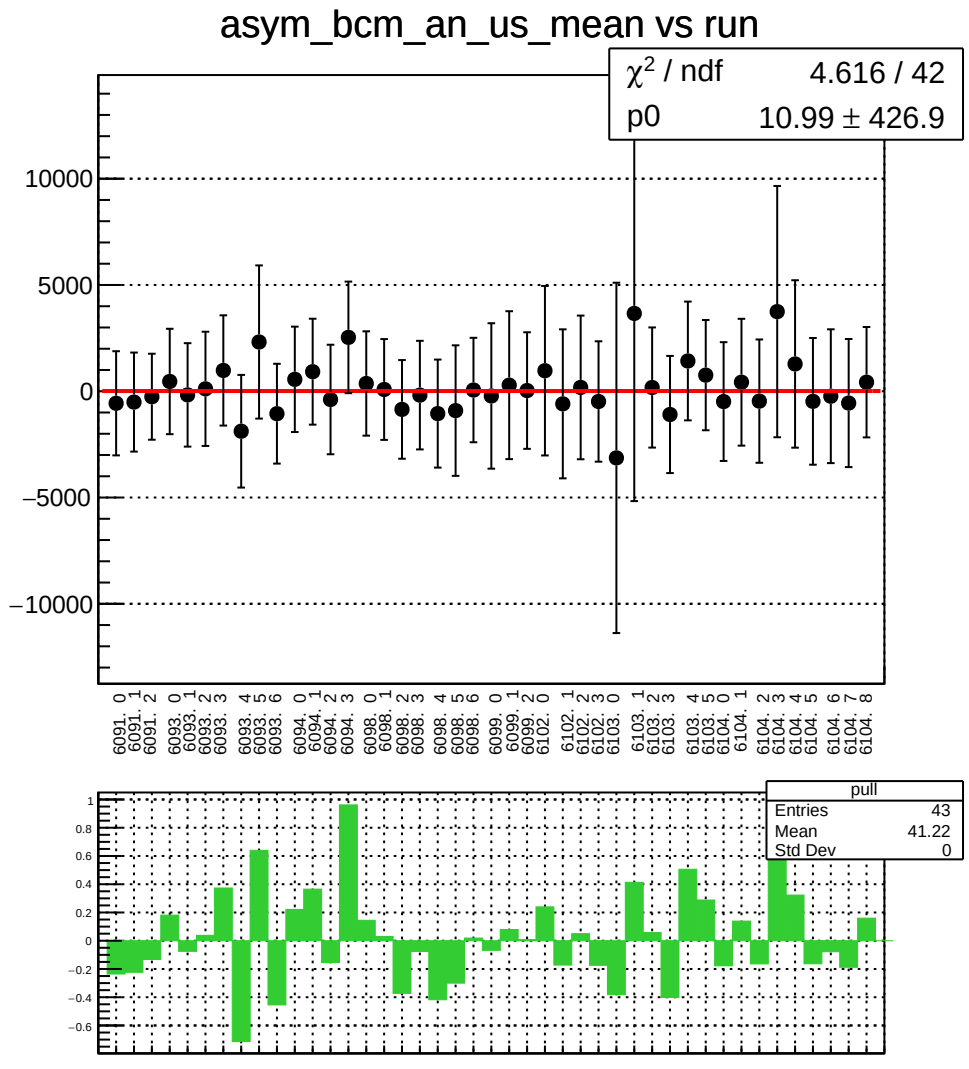

asym_bcm_an_ds_mean vs run
χ² / ndf 4.4 / 42
p0 21.65 ± 426
10000
5000
0
−5000
−10000
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 37.76
Std Dev 0
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6

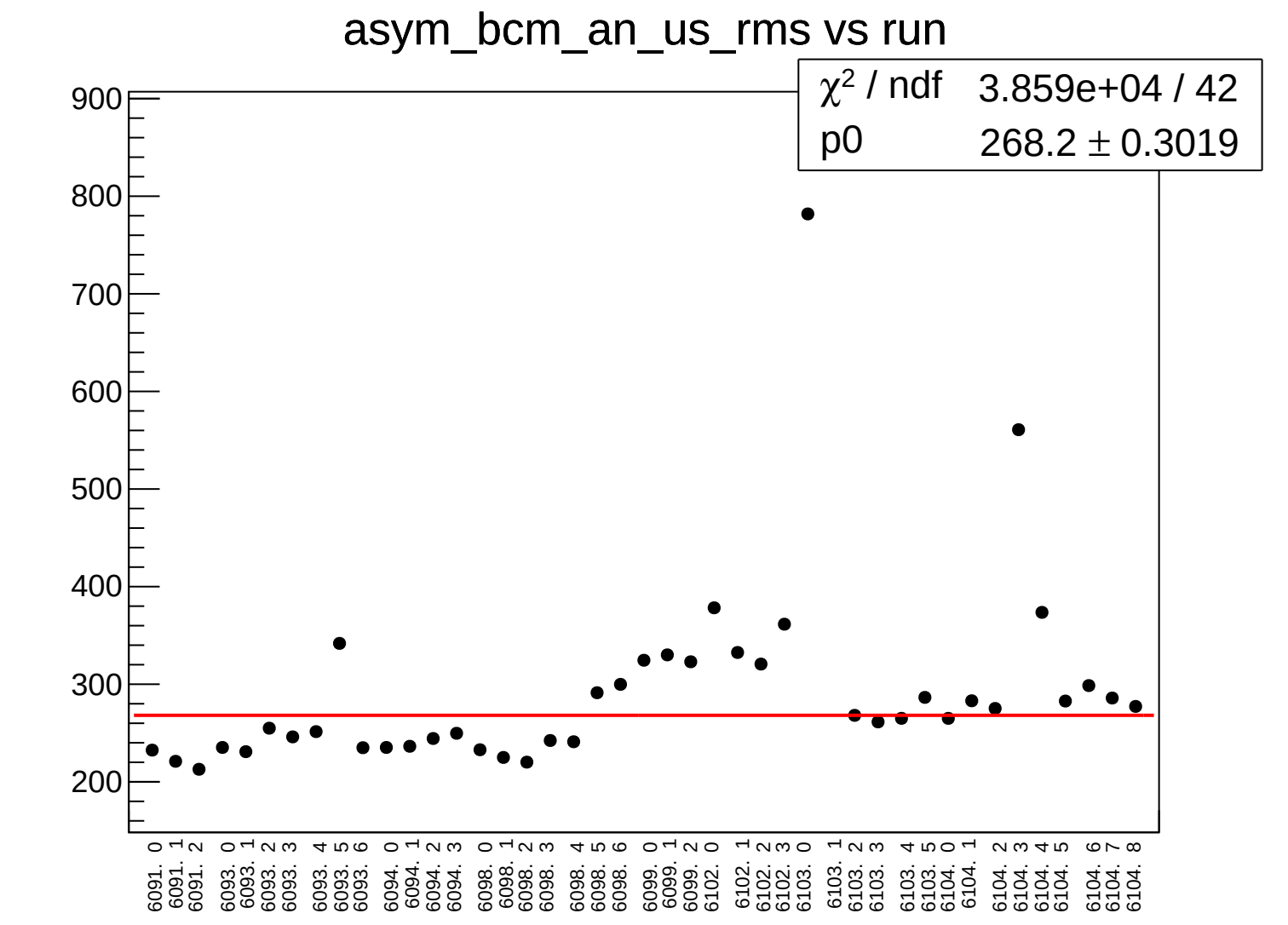

pull1D
Entries 43
Mean 0.01651
Std Dev 0.3195
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

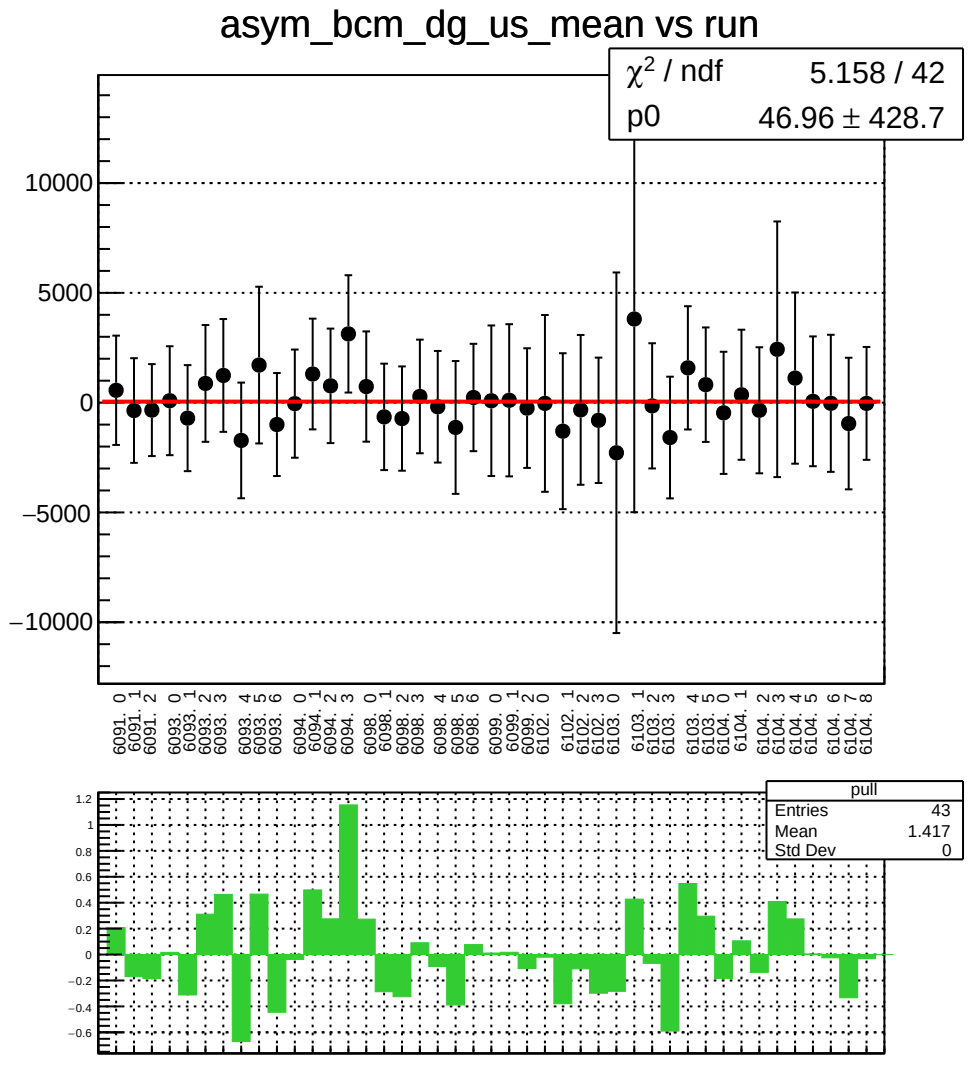

asym_bcm_an_ds_rms vs run
χ² / ndf 3.838e+04 / 42
p0 267.6 ± 0.3012
900
800
700
600
500
400
300
200
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

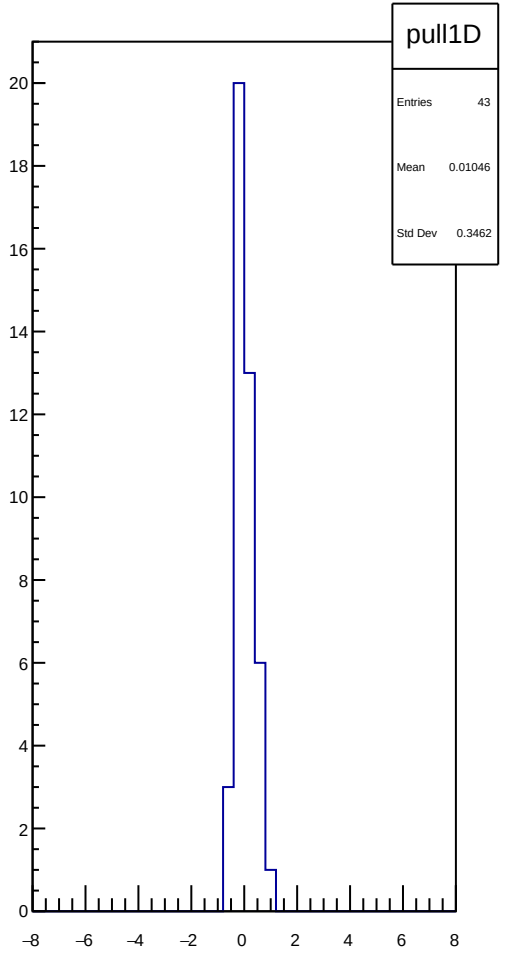

asym_bcm_an_ds3_mean vs run
χ² / ndf 4.337 / 42
p0 12.46 ± 427.1
10000
5000
0
−5000
−10000
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 38.24
Std Dev 0
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
pull1D
Entries 43
Mean 0.01673
Std Dev 0.3171
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

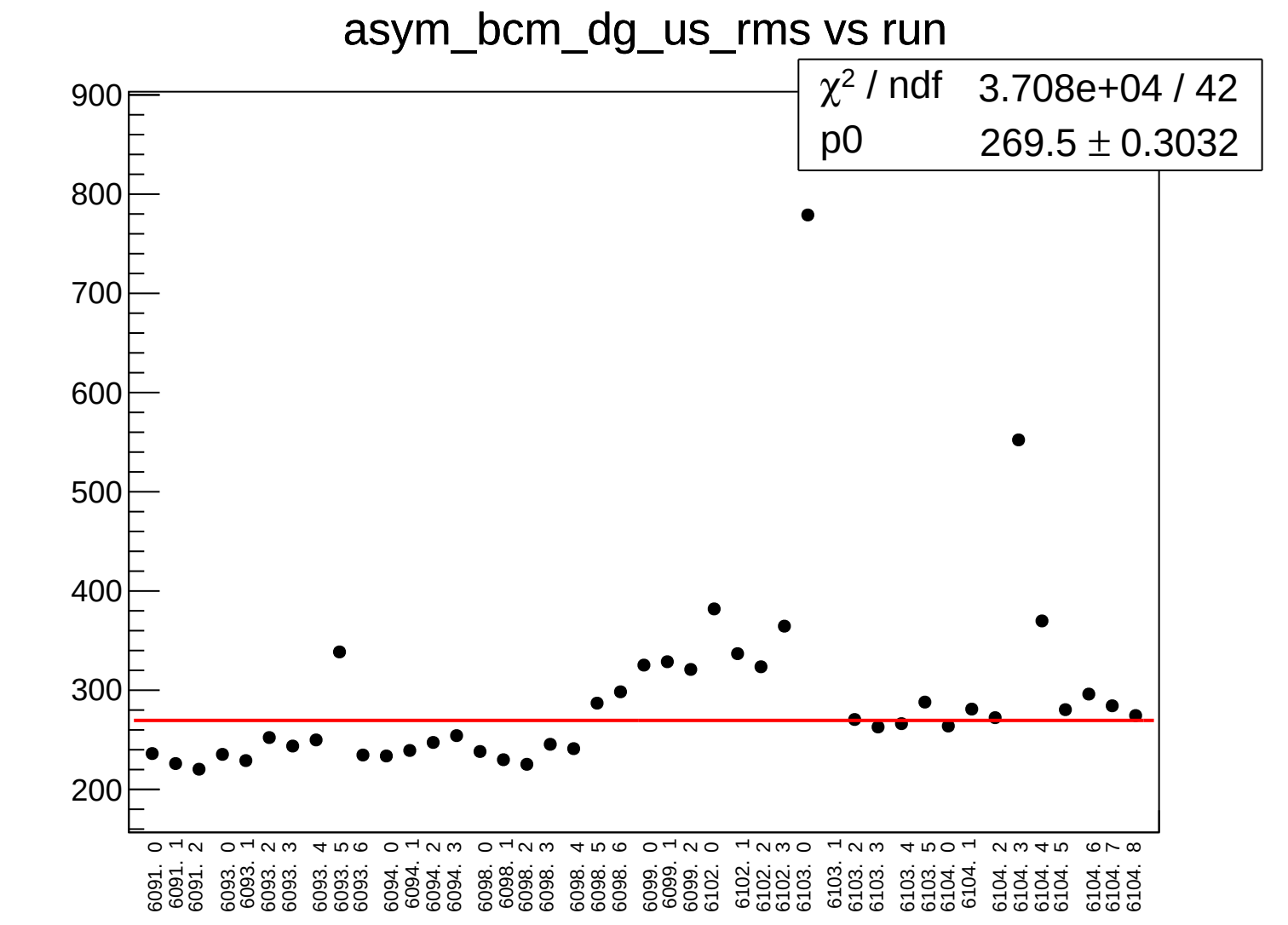

asym_bcm_an_ds3_rms vs run
χ^2 / ndf 3.844e+04 / 42
p0 268.3 ± 0.302
900
800
700
600
500
400
300
200
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

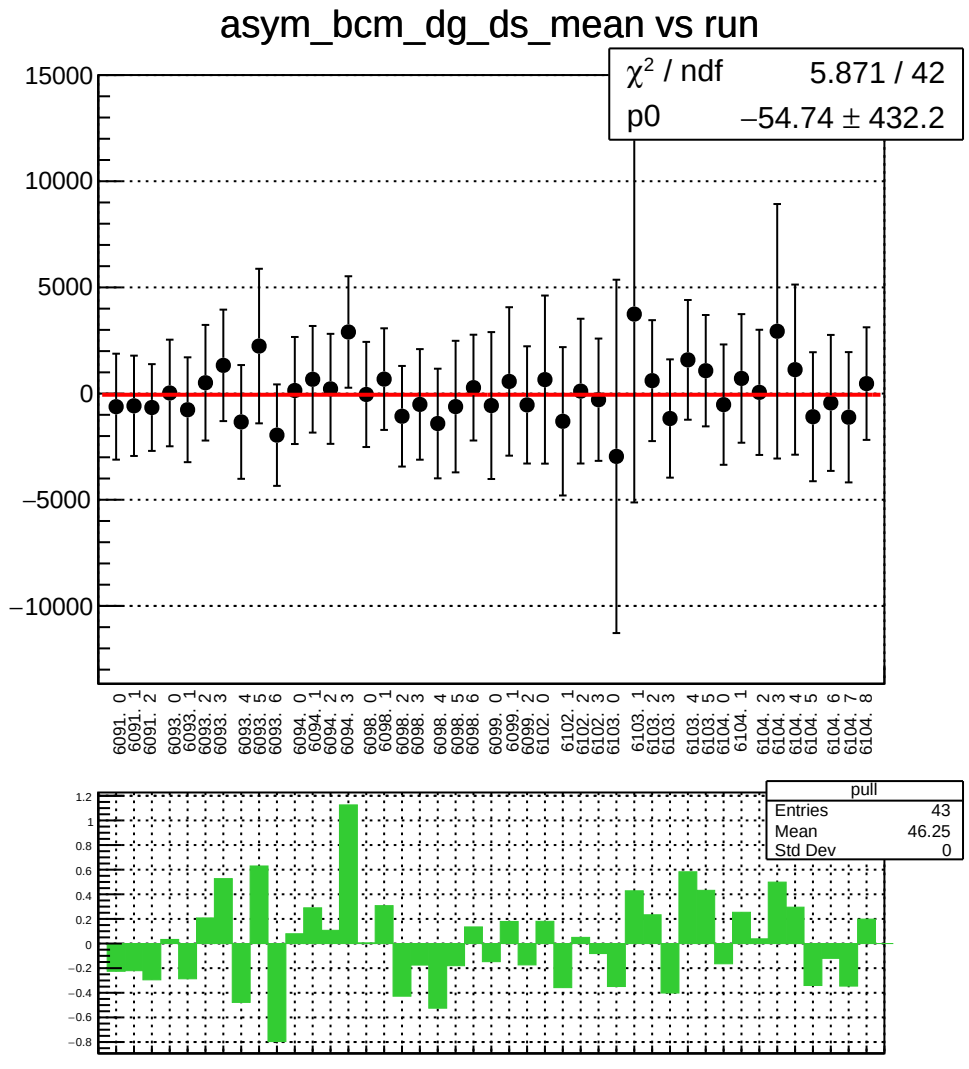

asym_bcm_an_us_mean vs run
χ² / ndf 4.616 / 42
p0 10.99 ± 426.9
10000
5000
0
−5000
−10000
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 41.22
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
pull1D
Entries 43
Mean 0.01741
Std Dev 0.3272
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

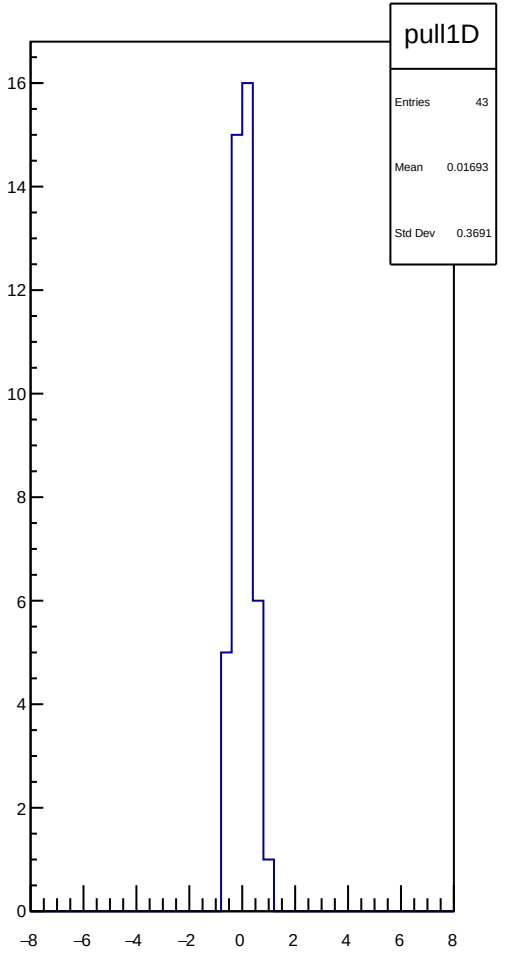

asym_bcm_an_us_rms vs run
χ² / ndf 3.859e+04 / 42
p0 268.2 ± 0.3019
900
800
700
600
500
400
300
200
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

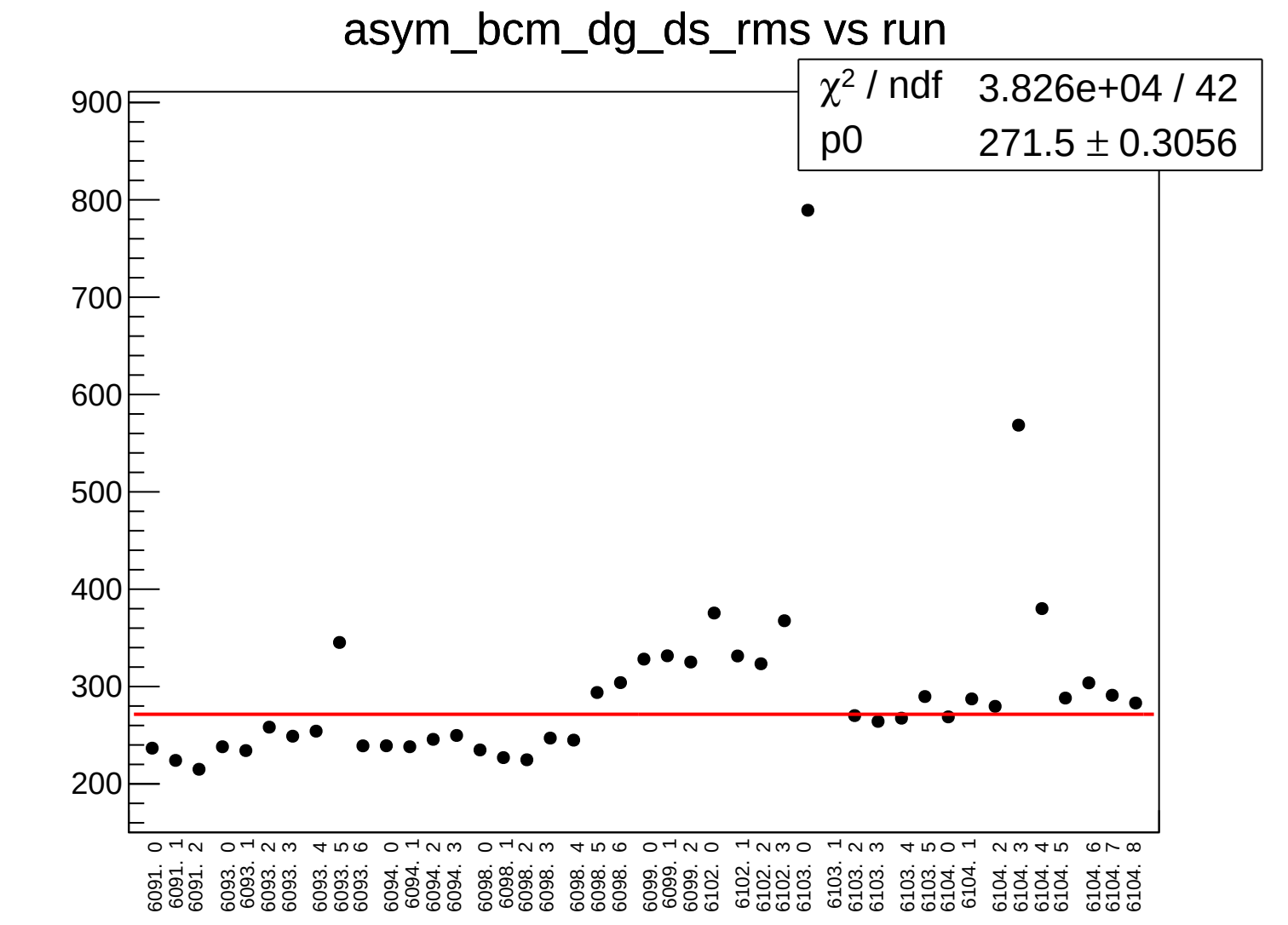

asym_bcm_dg_us_mean vs run
χ² / ndf 5.158 / 42
p0 46.96 ± 428.7
10000
5000
0
−5000
−10000
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 1.417
Std Dev 0
1.2
1
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6

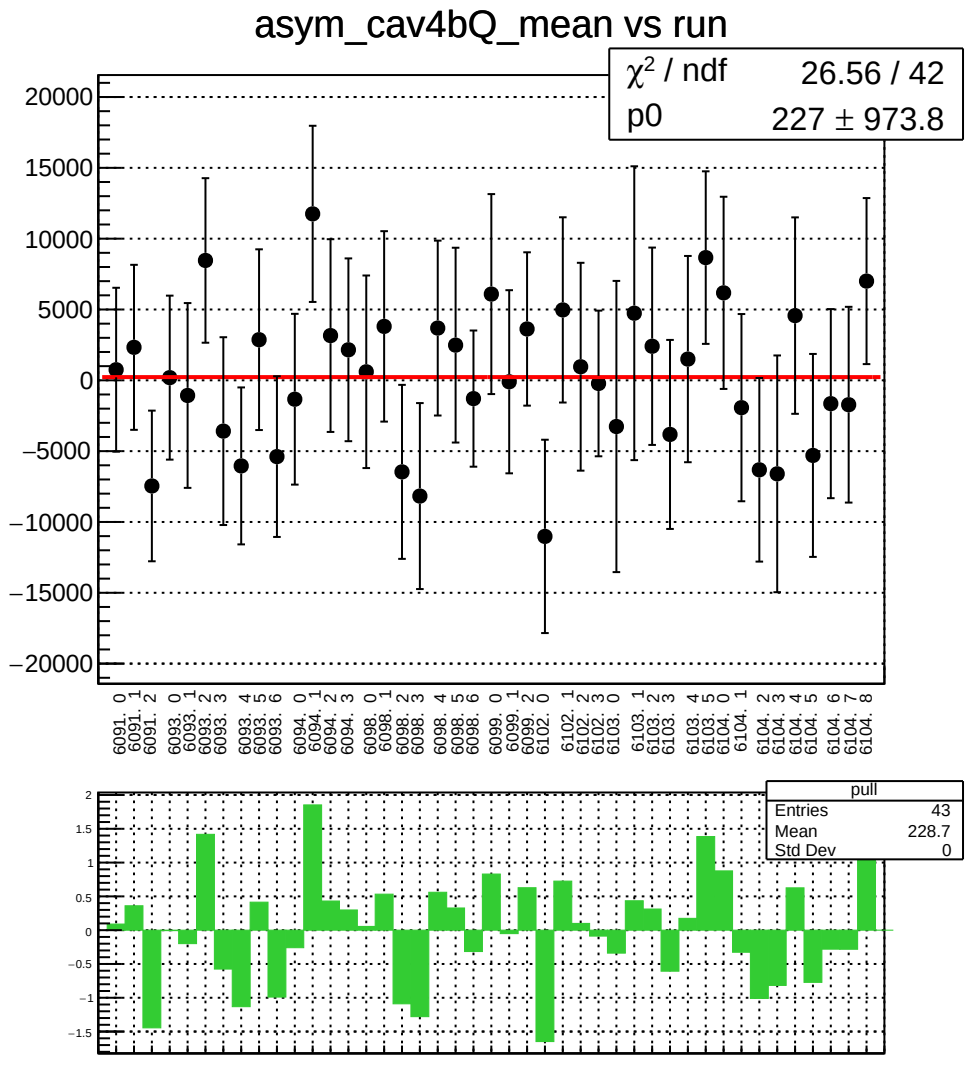

pull1D
Entries 43
Mean 0.01046
Std Dev 0.3462
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

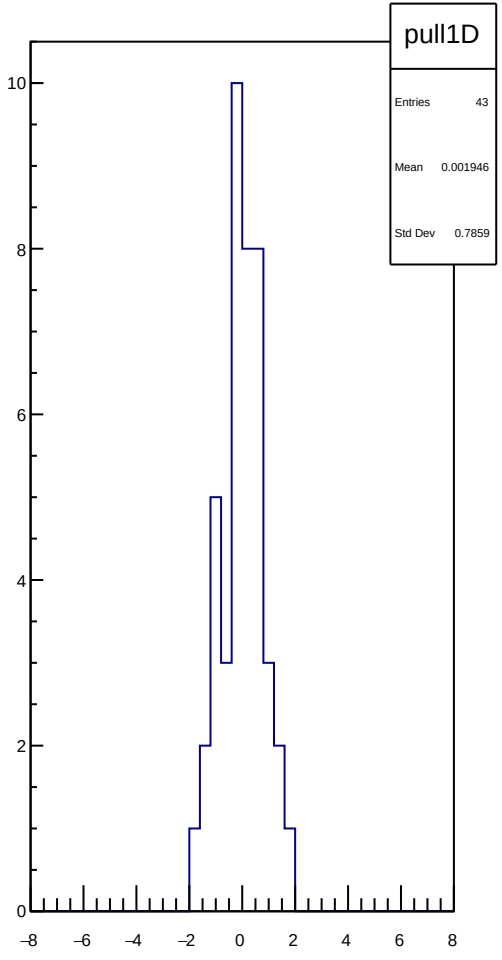

asym_bcm_dg_us_rms vs run
χ² / ndf 3.708e+04 / 42
p0 269.5 ± 0.3032
900
800
700
600
500
400
300
200
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

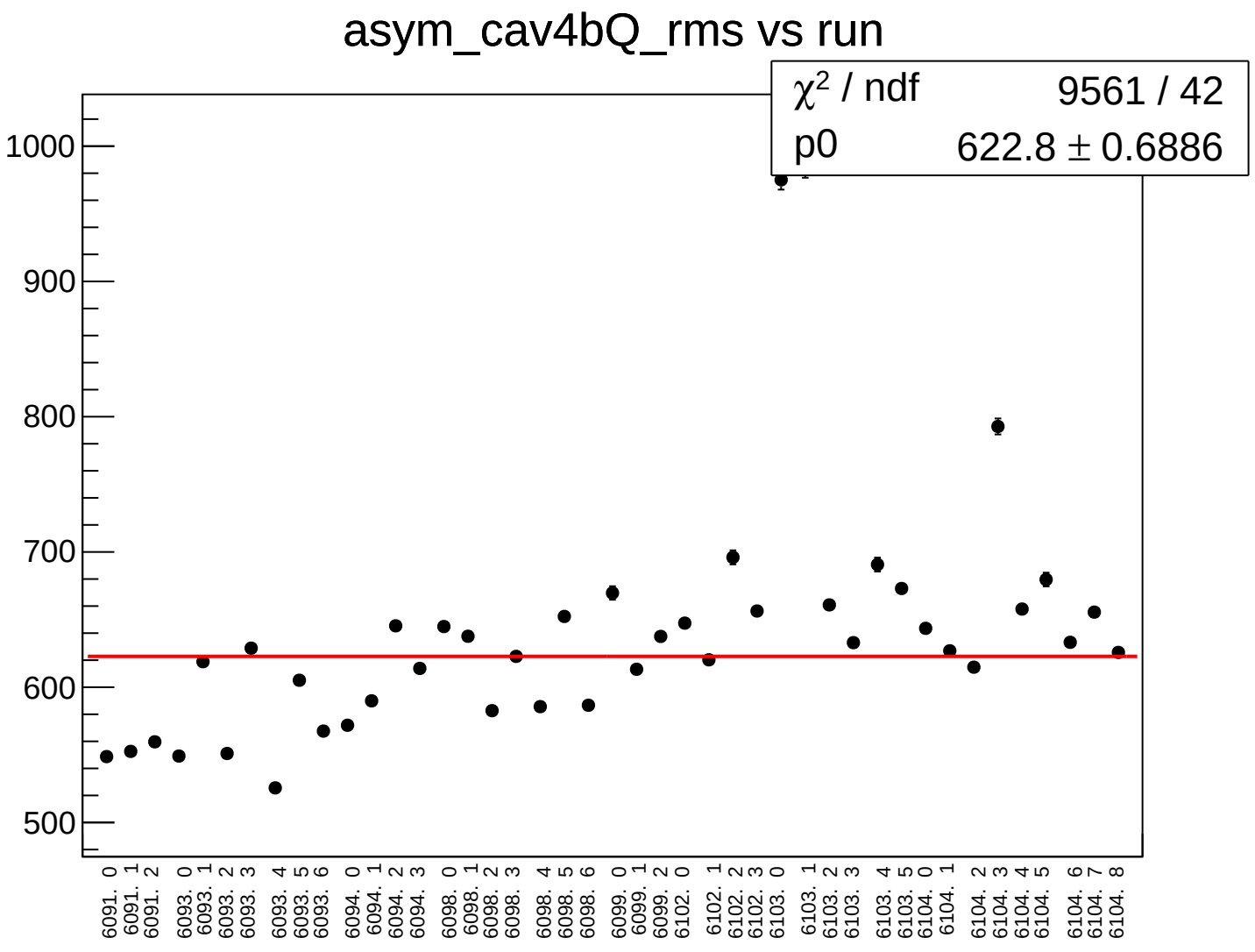

asym_bcm_dg_ds_mean vs run
χ² / ndf 5.871 / 42
p0 −54.74 ± 432.2
15000
10000
5000
0
−5000
−10000
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 46.25
Std Dev 0
1.2
1
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8

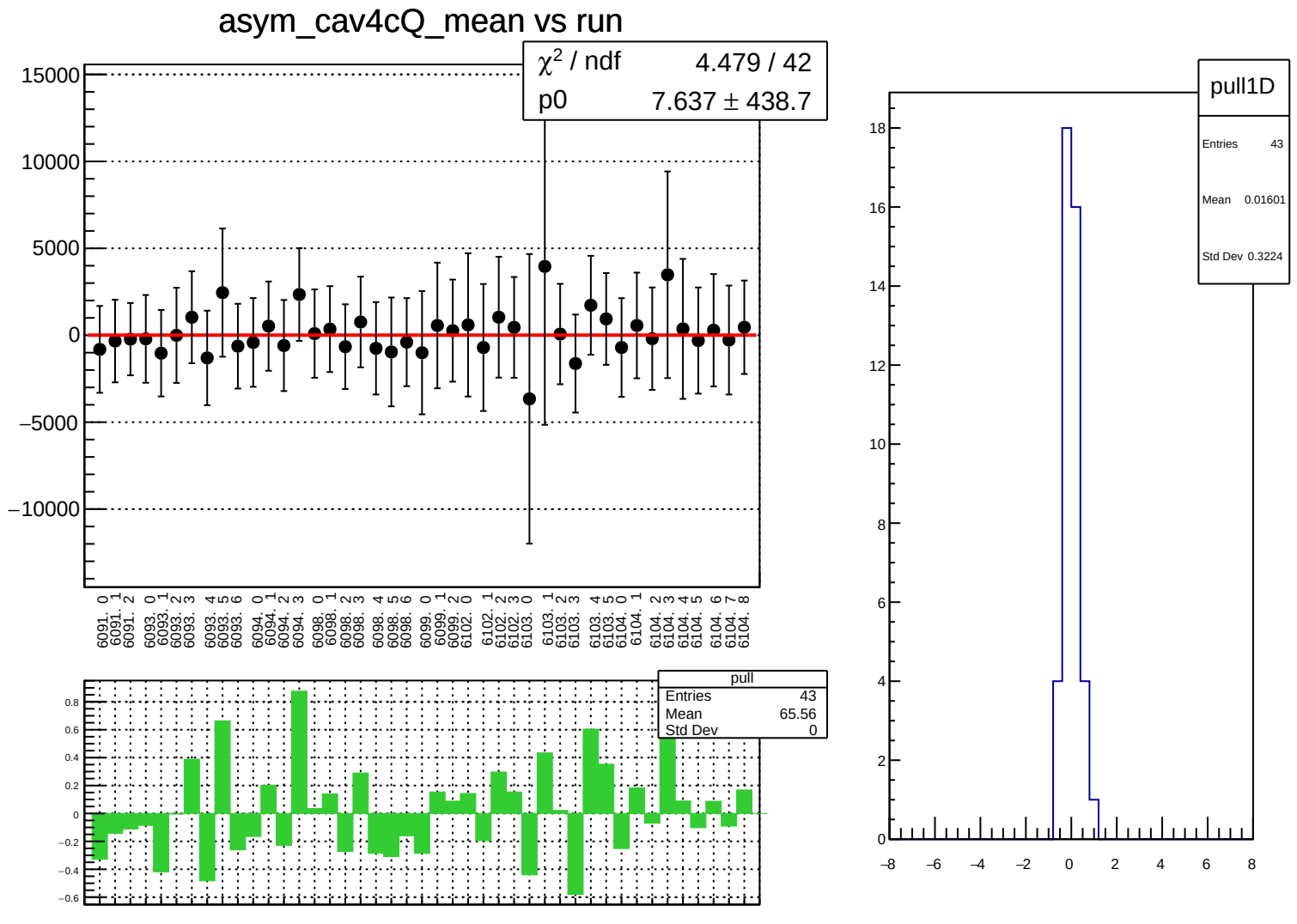

pull1D
Entries 43
Mean 0.01693
Std Dev 0.3691
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

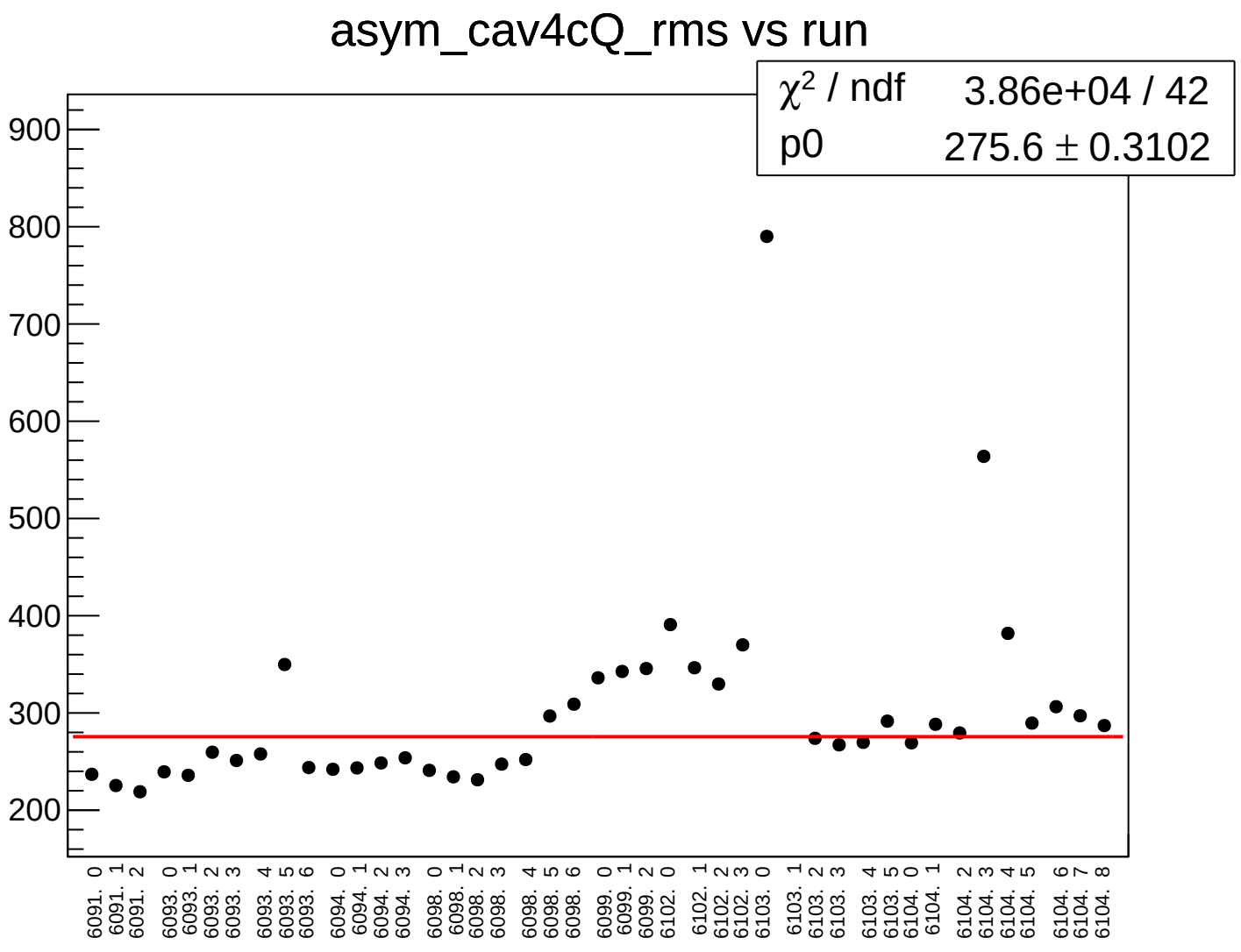

asym_bcm_dg_ds_rms vs run
χ² / ndf 3.826e+04 / 42
p0 271.5 ± 0.3056
900
800
700
600
500
400
300
200
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

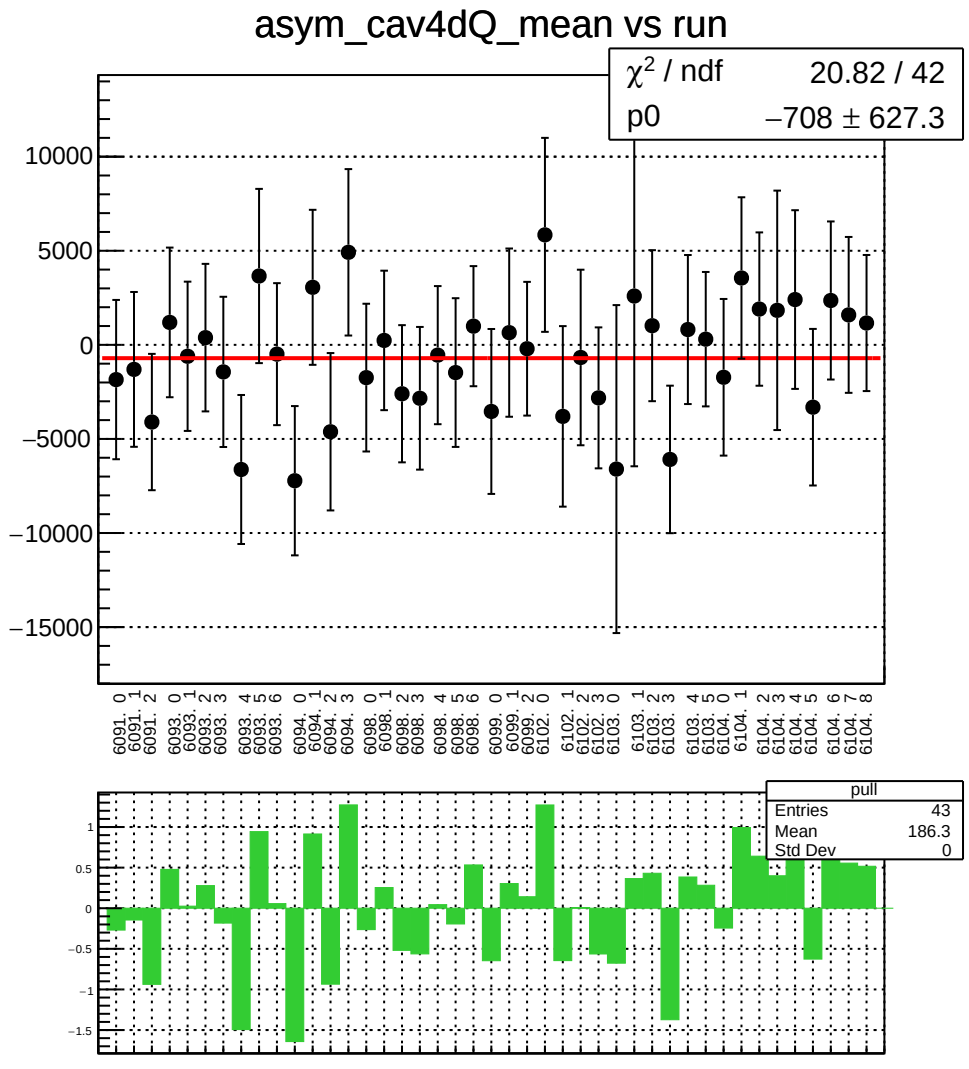

asym_cav4bQ_mean vs run
χ² / ndf 26.56 / 42
p0 227 ± 973.8
20000
15000
10000
5000
0
−5000
−10000
−15000
−20000
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 228.7
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5

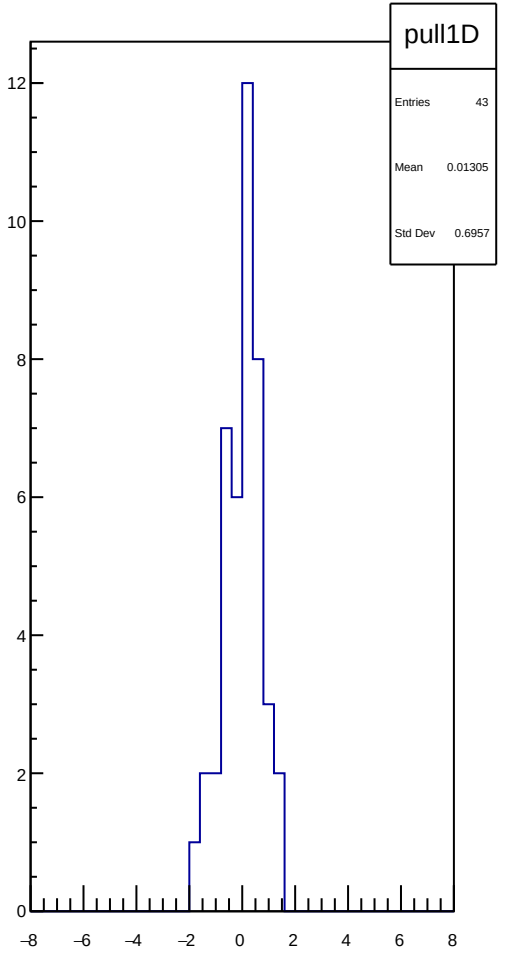

pull1D
Entries 43
Mean 0.001946
Std Dev 0.7859
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

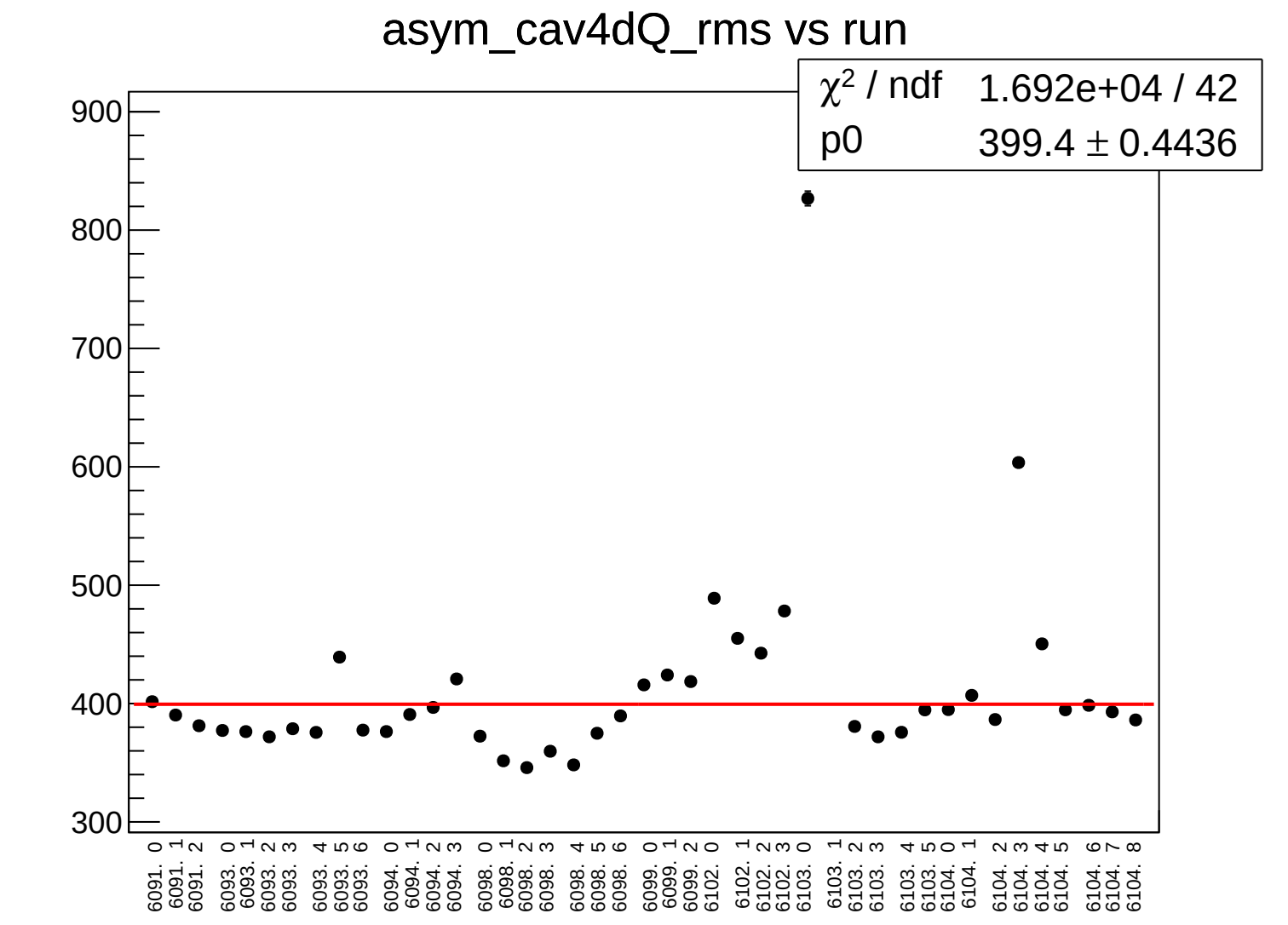

asym_cav4bQ_rms vs run
χ² / ndf 9561 / 42
p0 622.8 ± 0.6886
1000
900
800
700
600
500
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

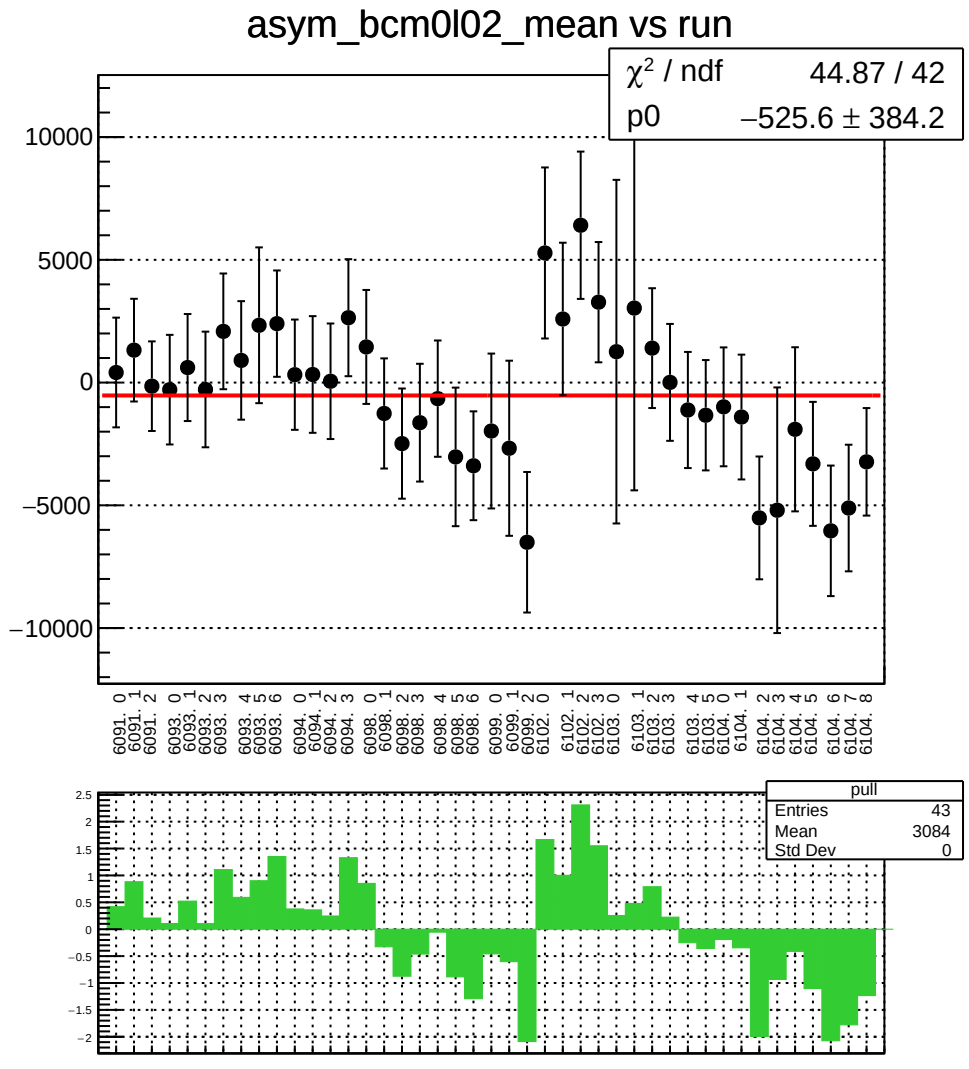

asym_cav4cQ_mean vs run
χ² / ndf 4.479 / 42
p0 7.637 ± 438.7
15000
10000
5000
0
−5000
−10000
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 65.56
Std Dev 0
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
pull1D
Entries 43
Mean 0.01601
Std Dev 0.3224
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

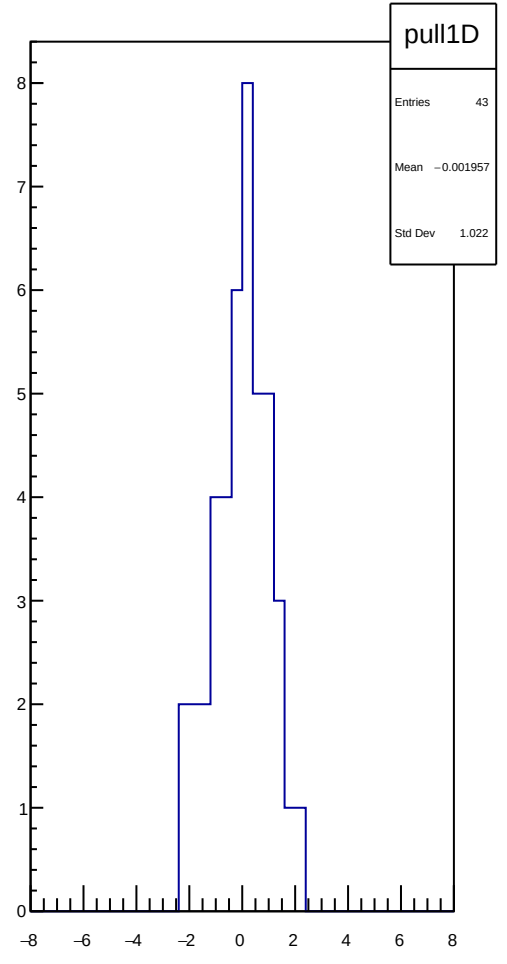

asym_cav4cQ_rms vs run
χ² / ndf 3.86e+04 / 42
p0 275.6 ± 0.3102
900
800
700
600
500
400
300
200
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

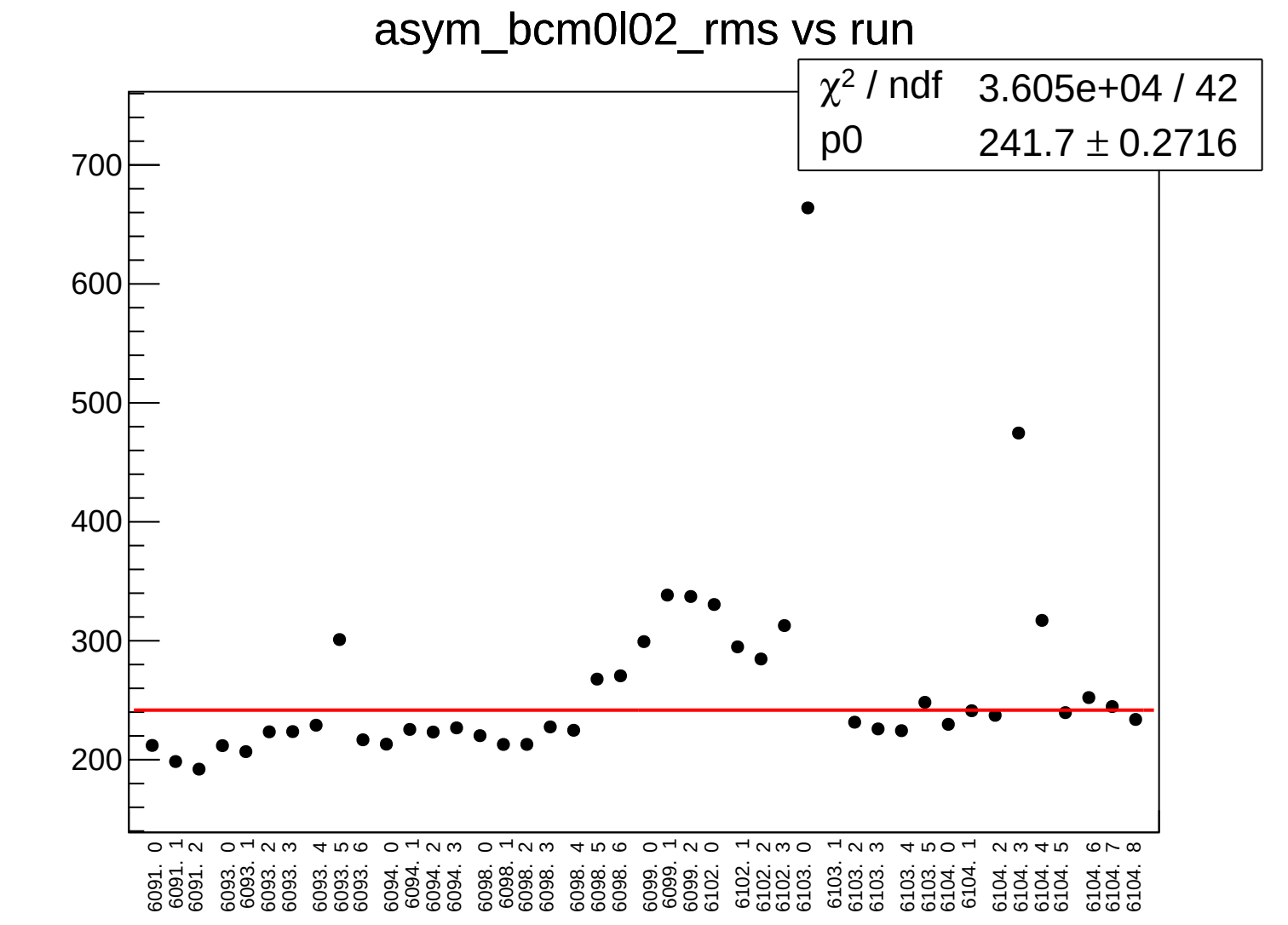

asym_cav4dQ_mean vs run
χ² / ndf 20.82 / 42
p0 −708 ± 627.3
10000
5000
0
−5000
−10000
−15000
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 186.3
Std Dev 0
1
0.5
0
−0.5
−1
−1.5

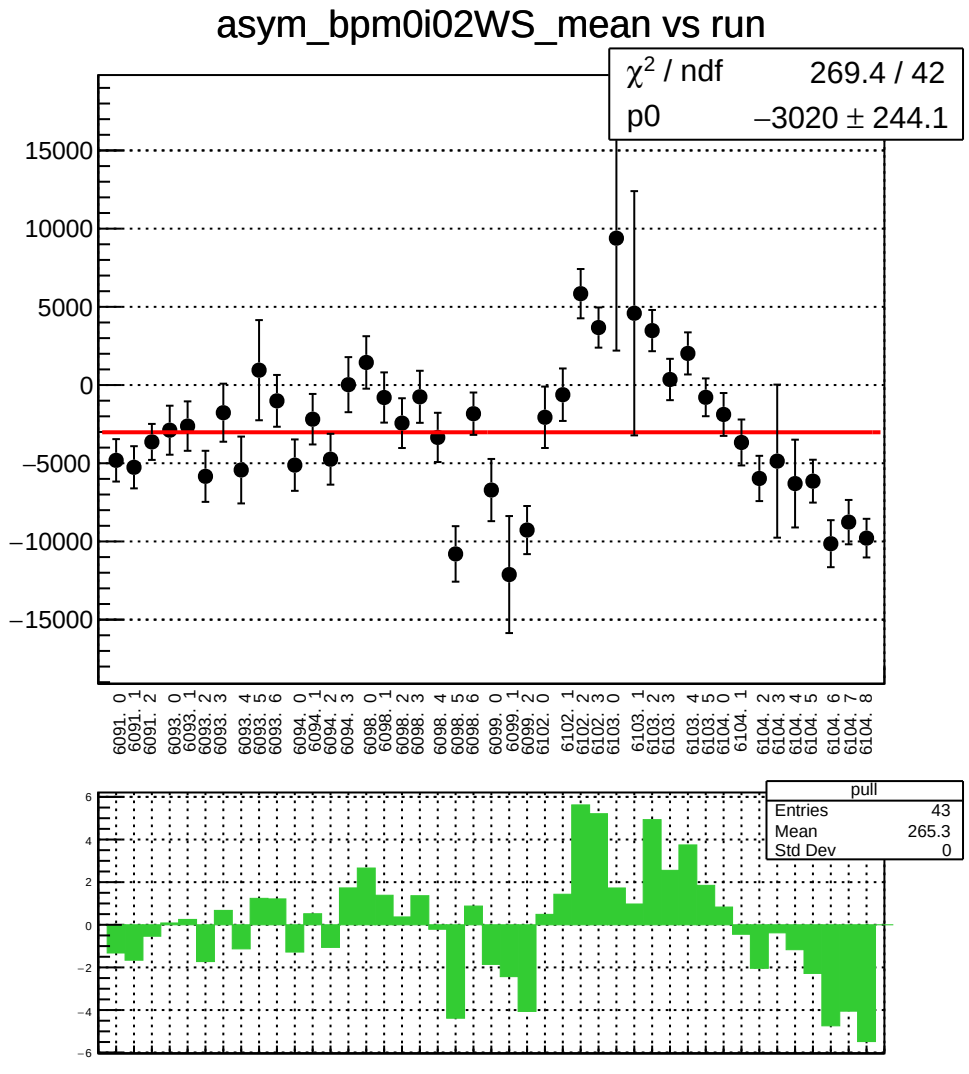

pull1D
Entries 43
Mean 0.01305
Std Dev 0.6957
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

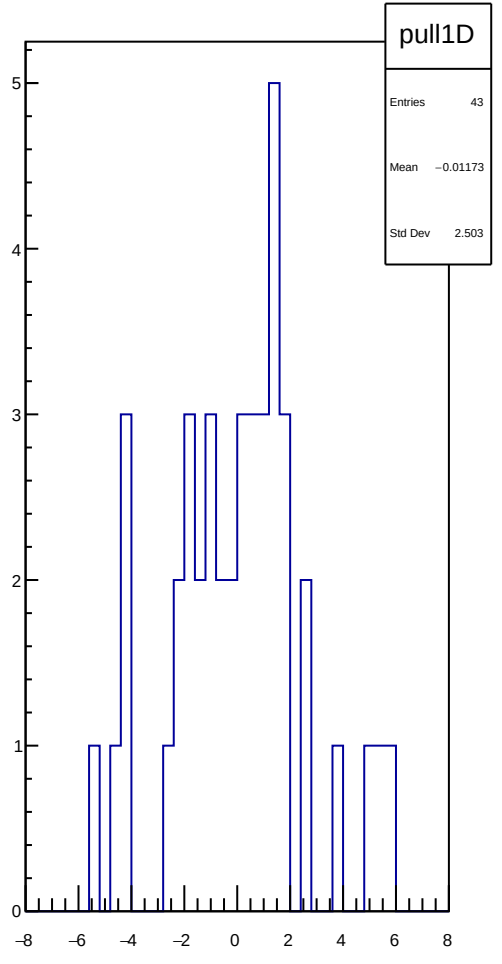

asym_cav4dQ_rms vs run
χ² / ndf 1.692e+04 / 42
p0 399.4 ± 0.4436
900
800
700
600
500
400
300
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

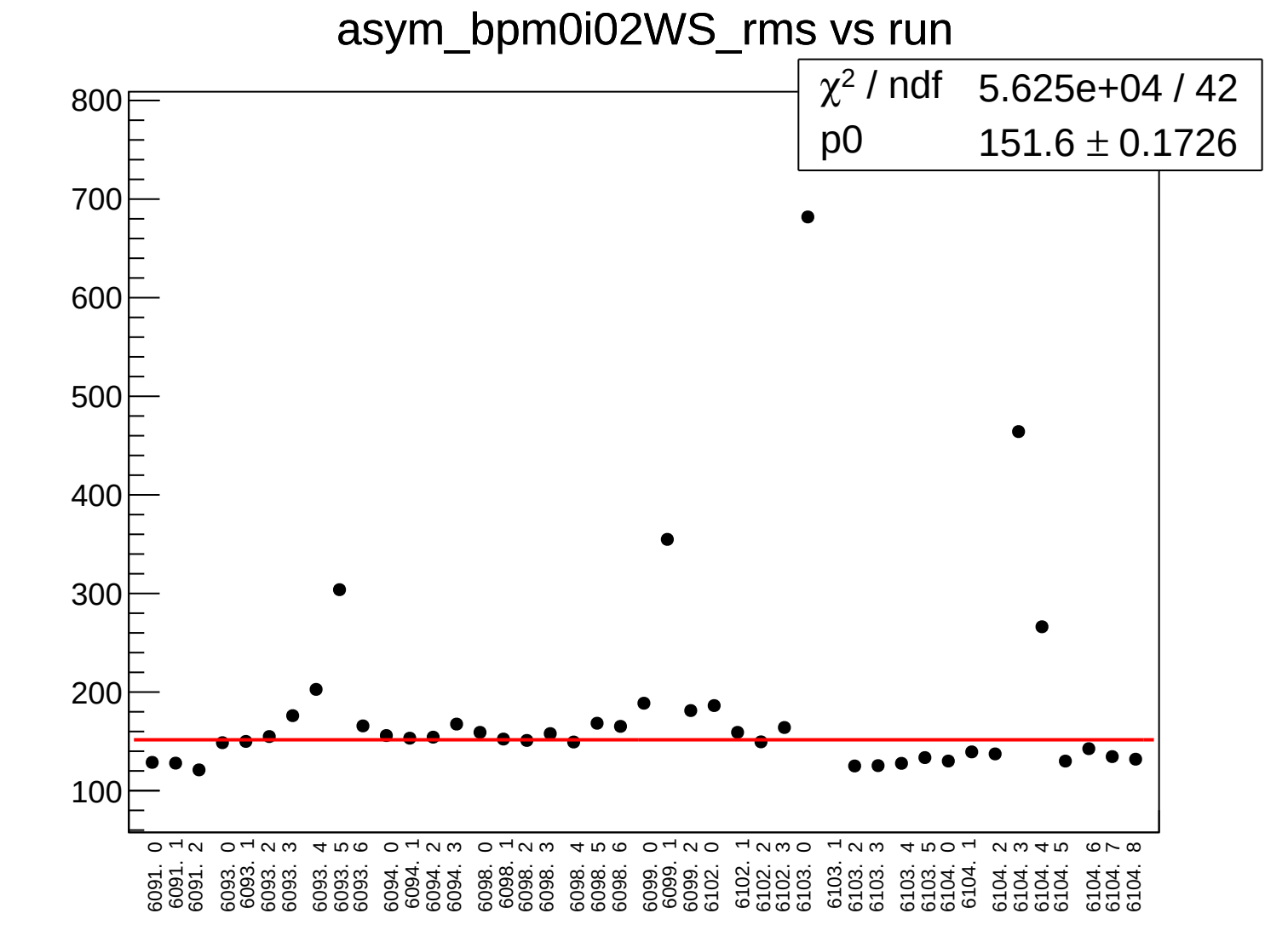

asym_bcm0l02_mean vs run
χ² / ndf 44.87 / 42
p0 −525.6 ± 384.2
10000
5000
0
−5000
−10000
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 3084
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

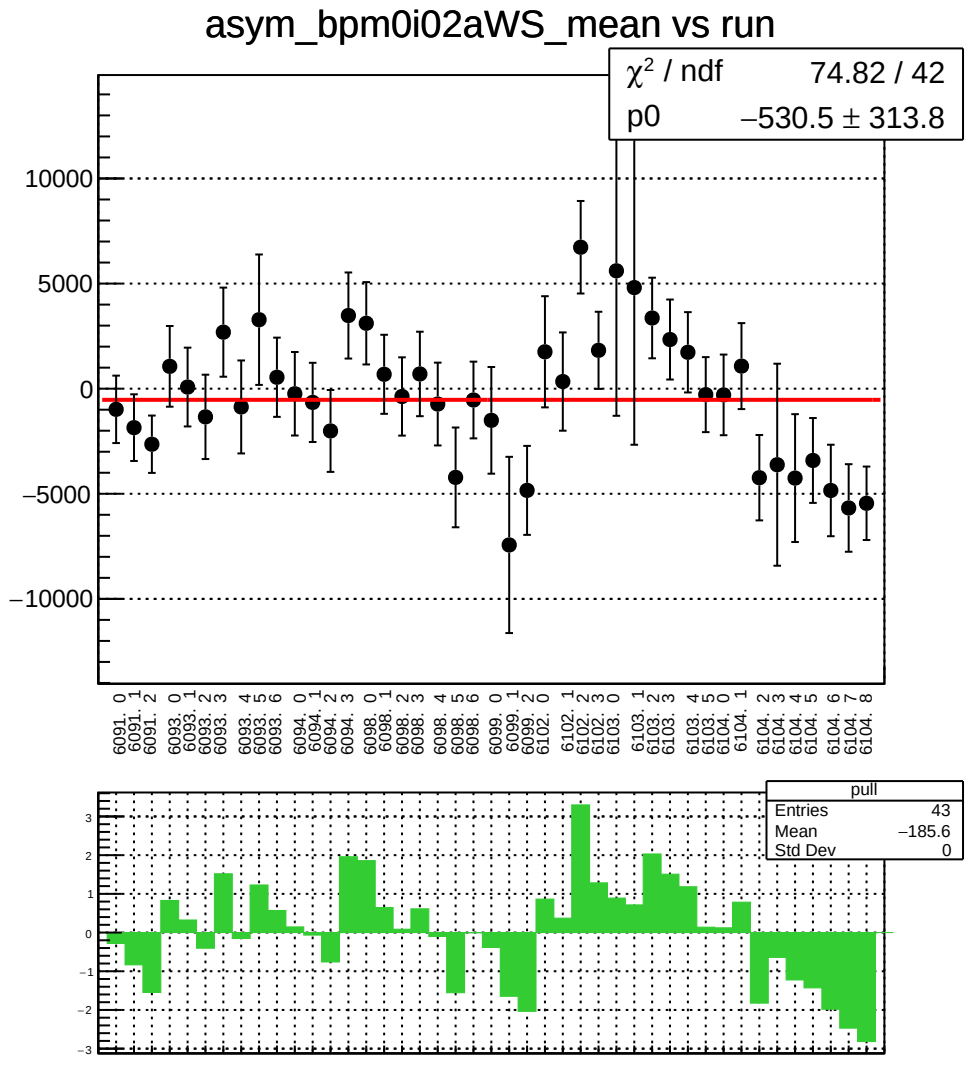

pull1D
Entries 43
Mean −0.001957
Std Dev 1.022
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

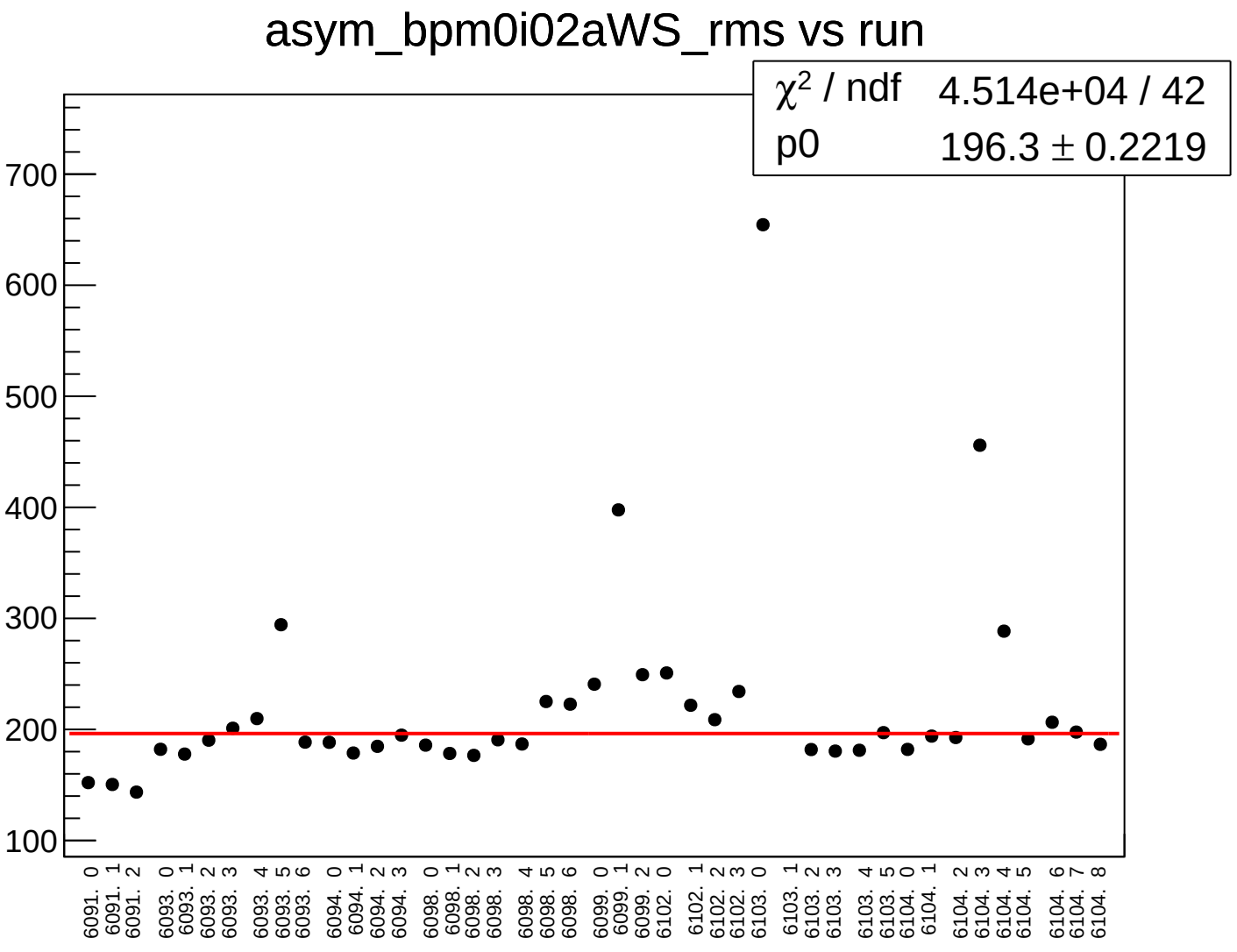

asym_bcm0l02_rms vs run
χ² / ndf 3.605e+04 / 42
p0 241.7 ± 0.2716
700
600
500
400
300
200
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

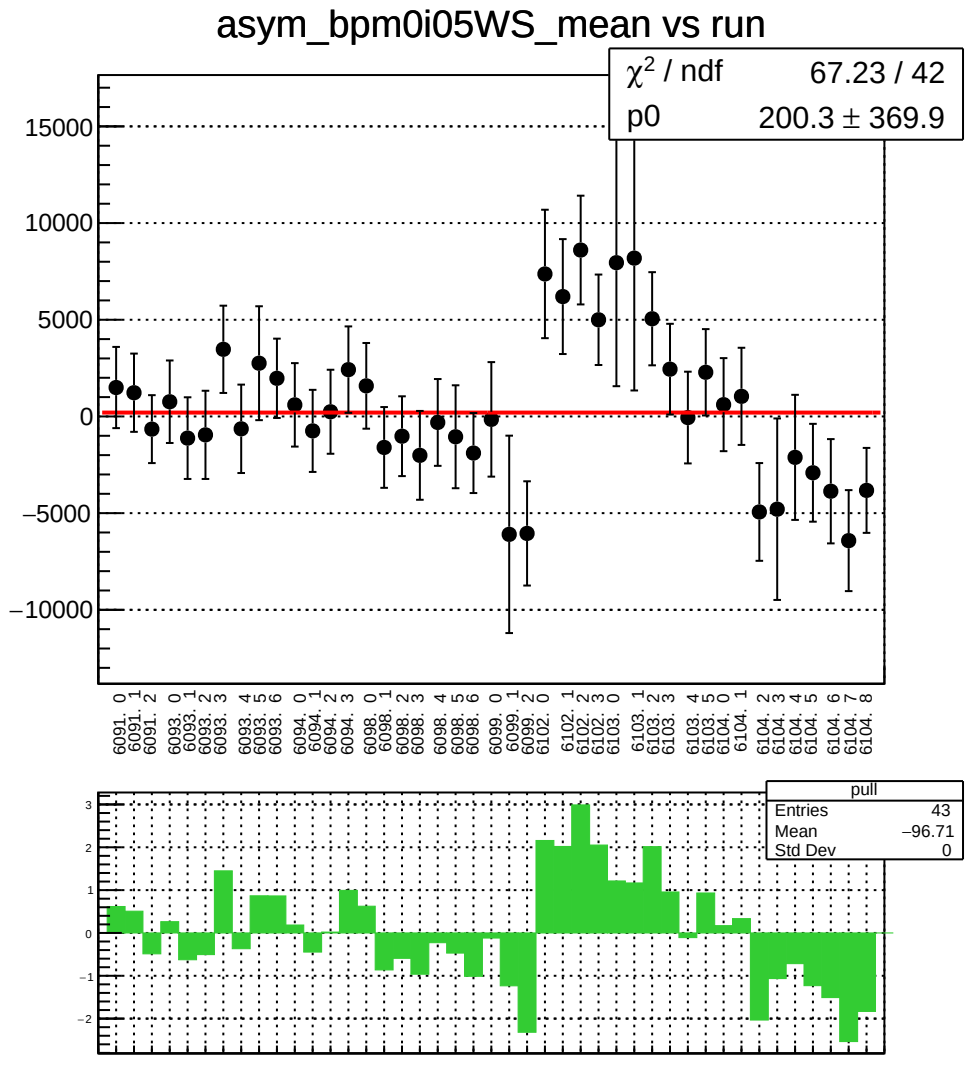

asym_bpm0i02WS_mean vs run
χ² / ndf 269.4 / 42
p0 −3020 ± 244.1
15000
10000
5000
0
−5000
−10000
−15000
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 265.3
Std Dev 0
6
4
2
0
−2
−4
−6

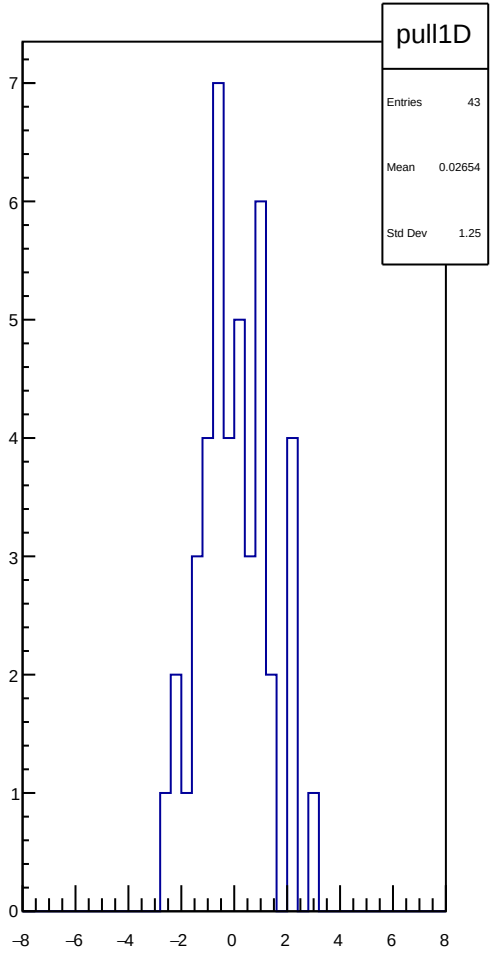

pull1D
Entries 43
Mean −0.01173
Std Dev 2.503
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

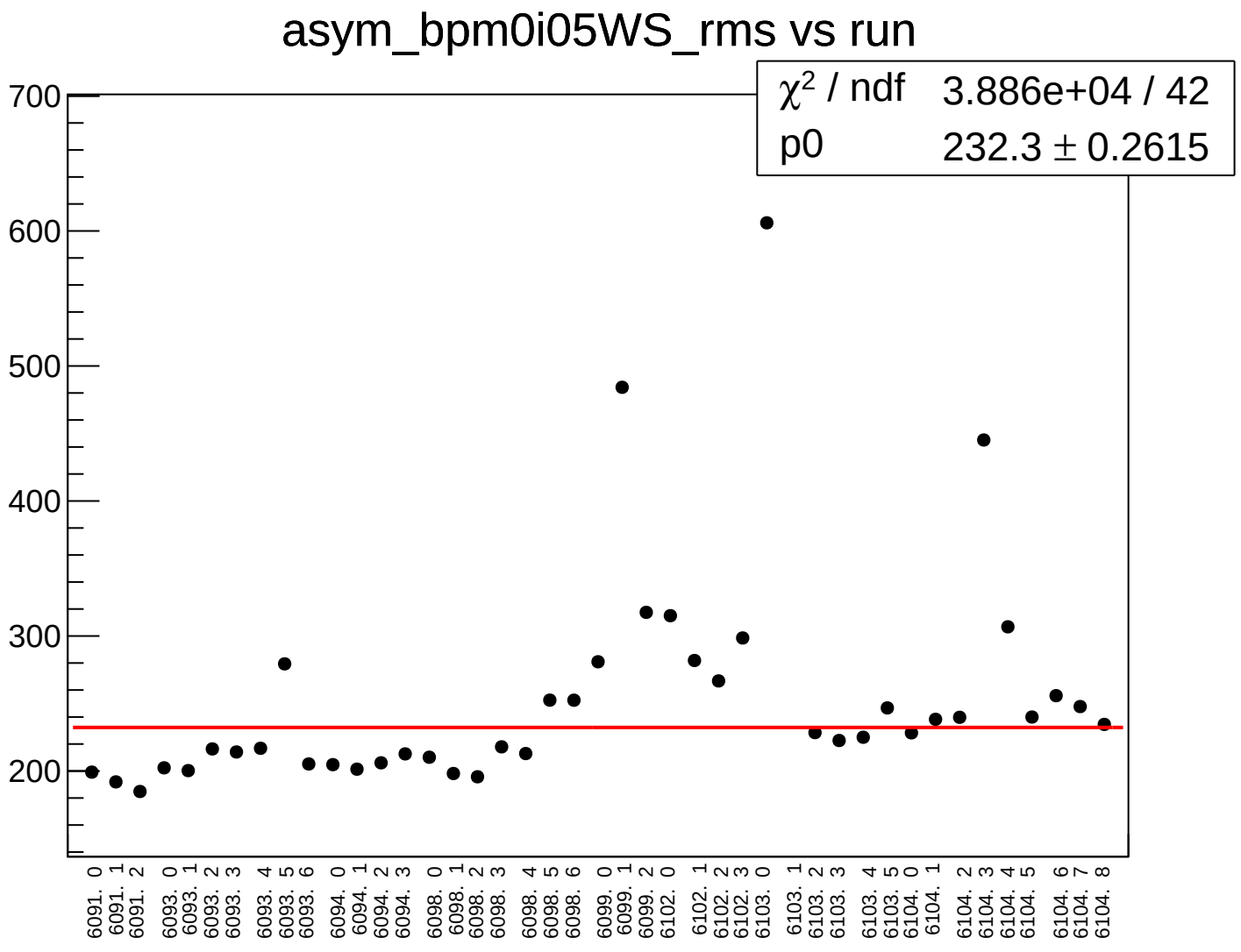

asym_bpm0i02WS_rms vs run
χ² / ndf 5.625e+04 / 42
p0 151.6 ± 0.1726
800
700
600
500
400
300
200
100
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

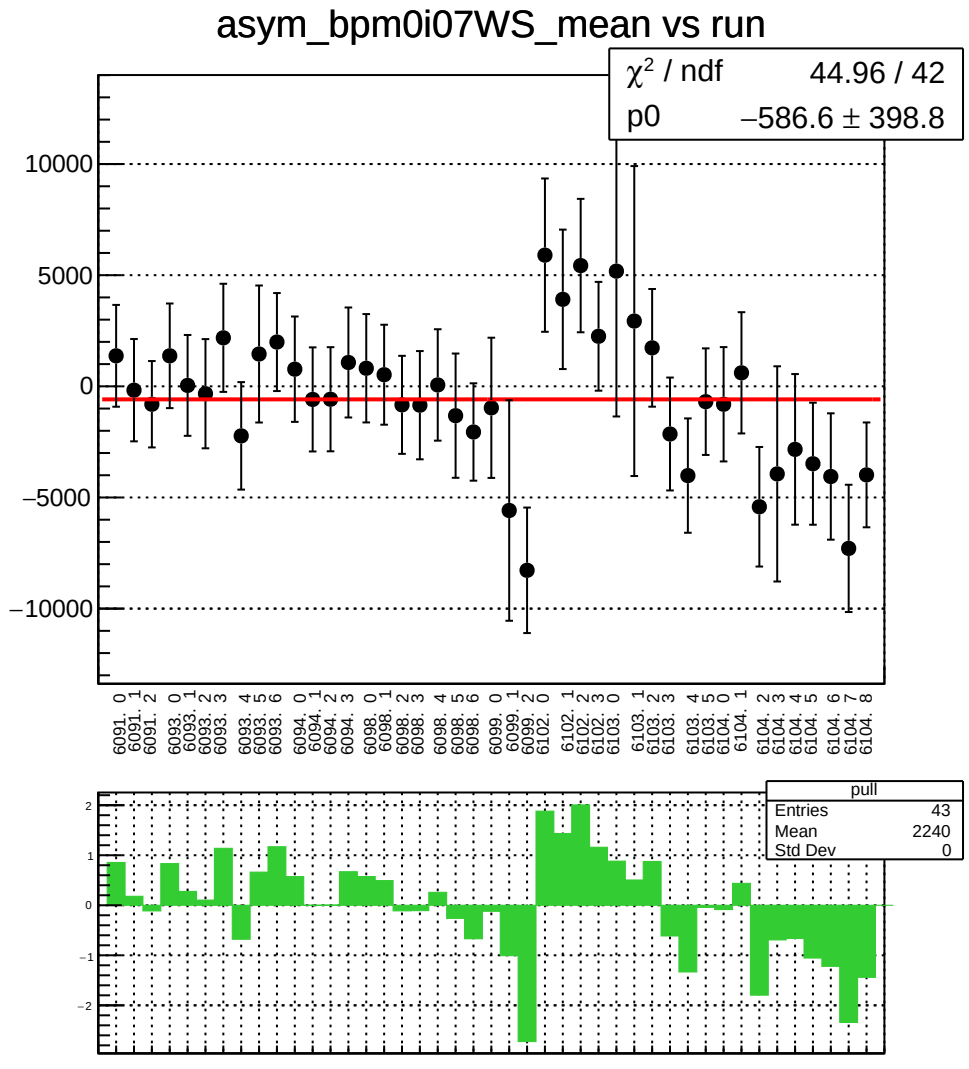

asym_bpm0i02aWS_mean vs run
χ² / ndf 74.82 / 42
p0 −530.5 ± 313.8
10000
5000
0
−5000
−10000
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean −185.6
Std Dev 0
3
2
1
0
−1
−2
−3
pull1D
Entries 43
Mean 0.01873
Std Dev 1.319
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

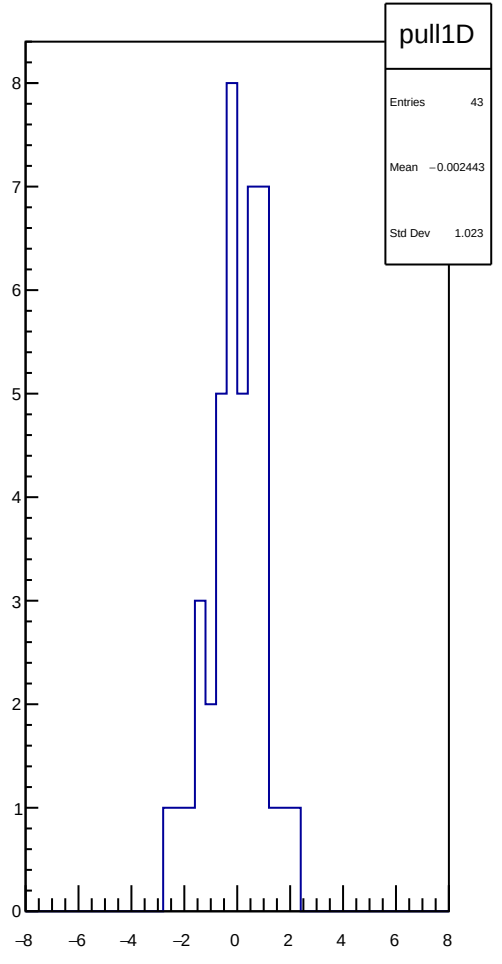

asym_bpm0i02aWS_rms vs run
χ² / ndf 4.514e+04 / 42
p0 196.3 ± 0.2219
700
600
500
400
300
200
100
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

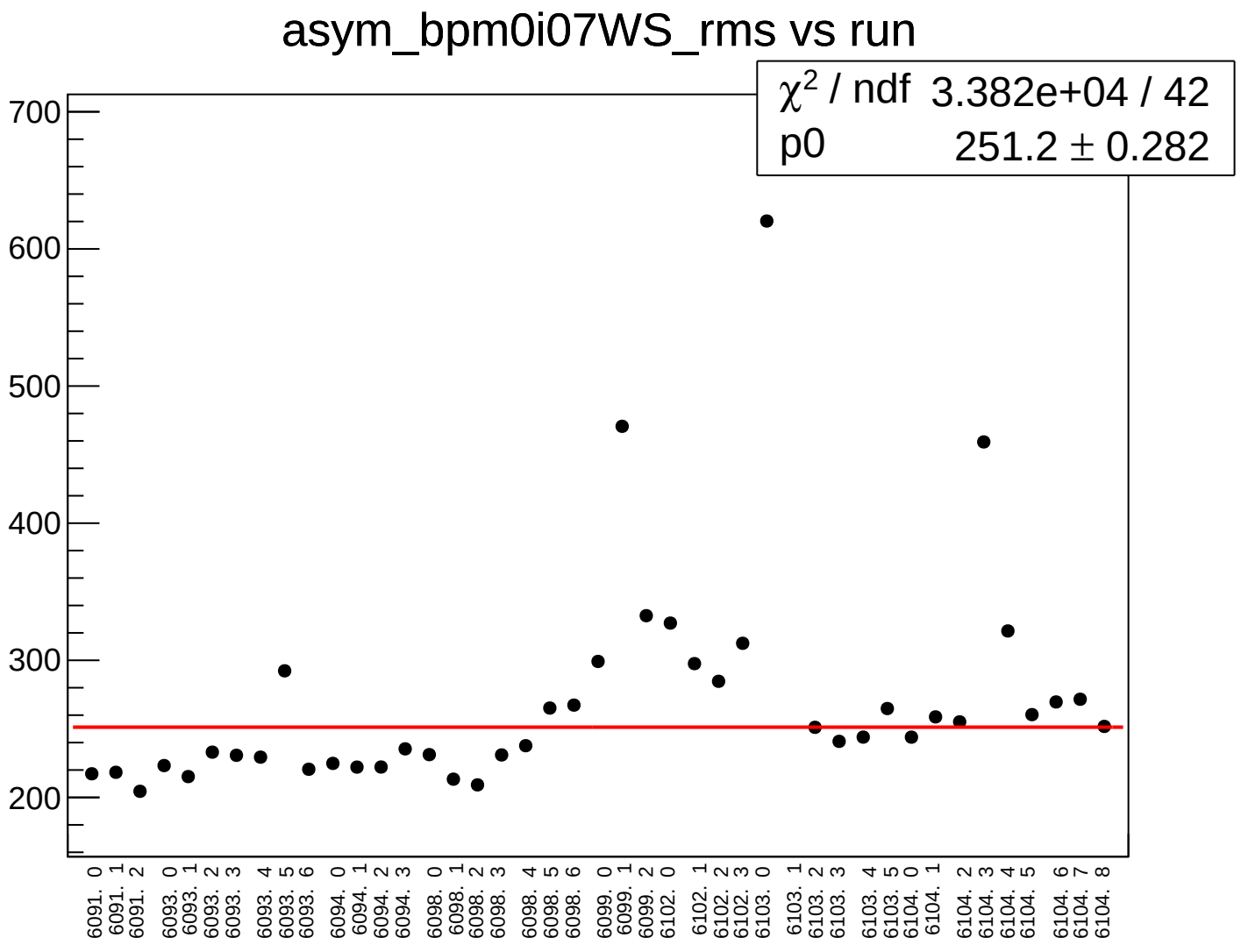

asym_bpm0i05WS_mean vs run
χ² / ndf 67.23 / 42
p0 200.3 ± 369.9
15000
10000
5000
0
−5000
−10000
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean −96.71
Std Dev 0
3
2
1
0
−1
−2

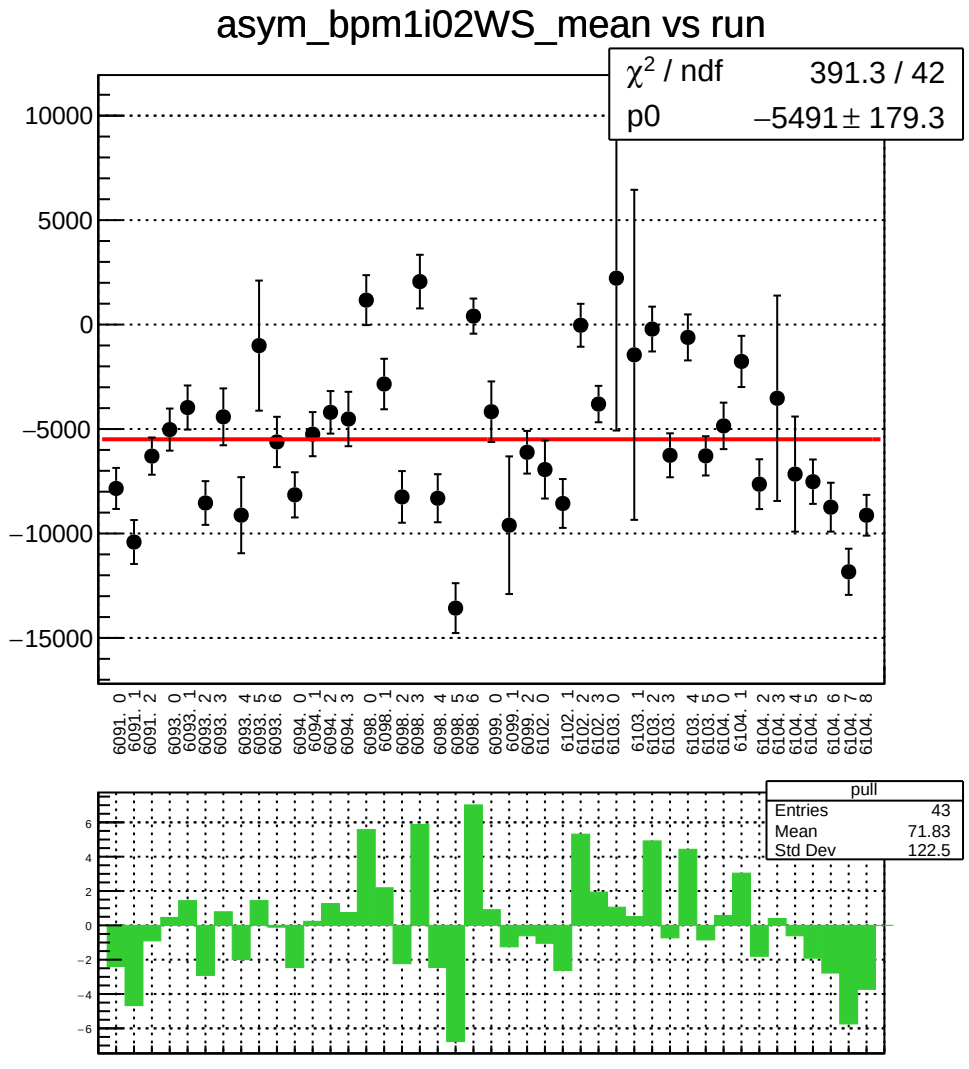

pull1D
Entries 43
Mean 0.02654
Std Dev 1.25
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

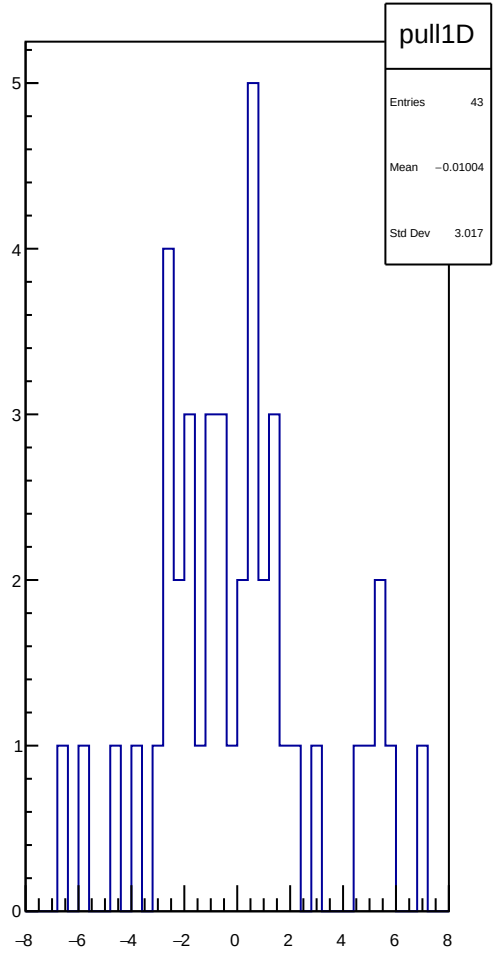

asym_bpm0i05WS_rms vs run
χ² / ndf 3.886e+04 / 42
p0 232.3 ± 0.2615
700
600
500
400
300
200
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

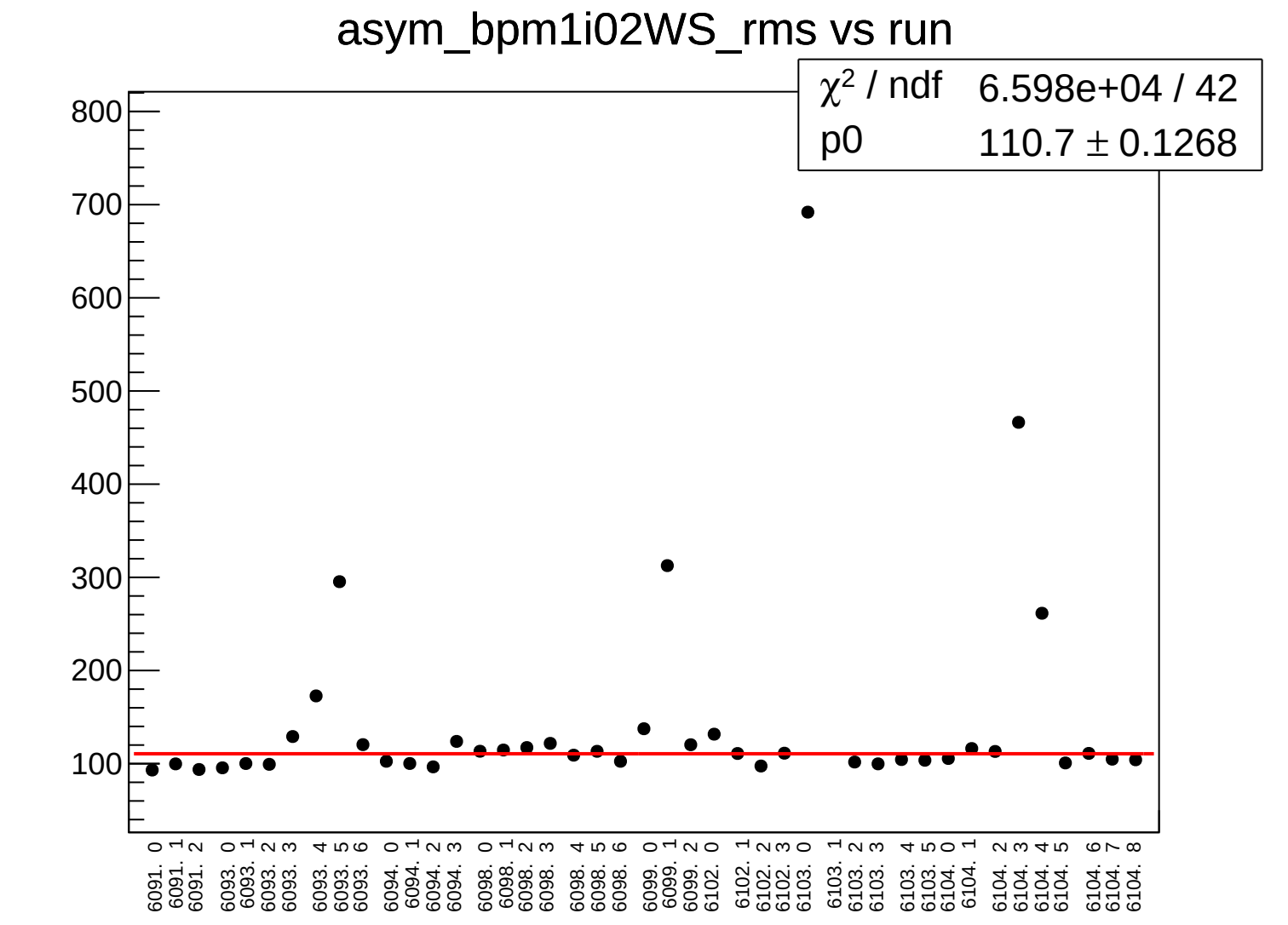

asym_bpm0i07WS_mean vs run
χ² / ndf 44.96 / 42
p0 −586.6 ± 398.8
10000
5000
0
−5000
−10000
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 2240
Std Dev 0
2
1
0
−1
−2

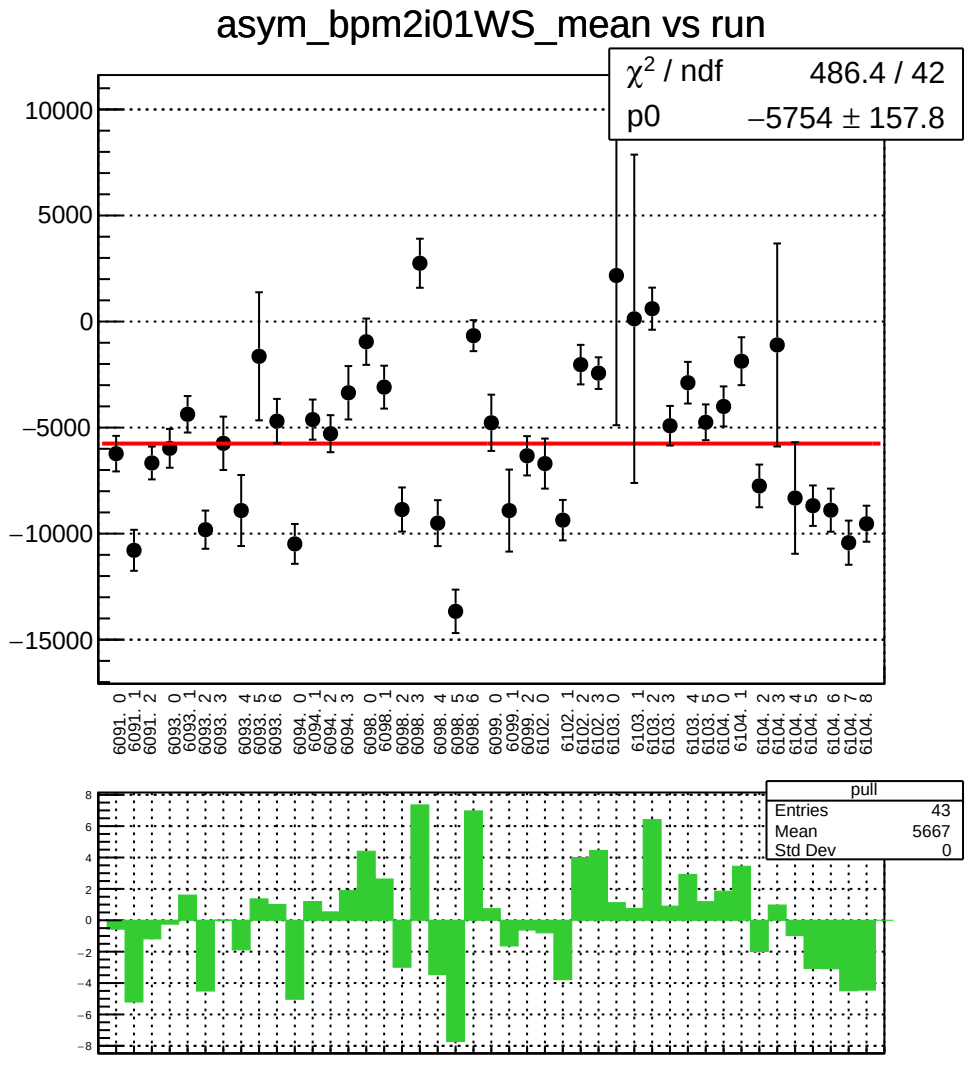

pull1D
Entries 43
Mean −0.002443
Std Dev 1.023
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

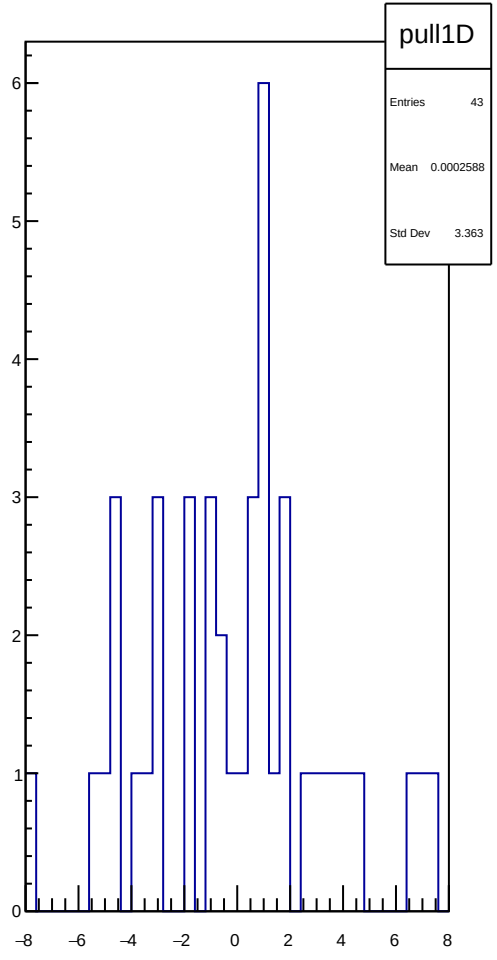

asym_bpm0i07WS_rms vs run
χ² / ndf 3.382e+04 / 42
p0 251.2 ± 0.282
700
600
500
400
300
200
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

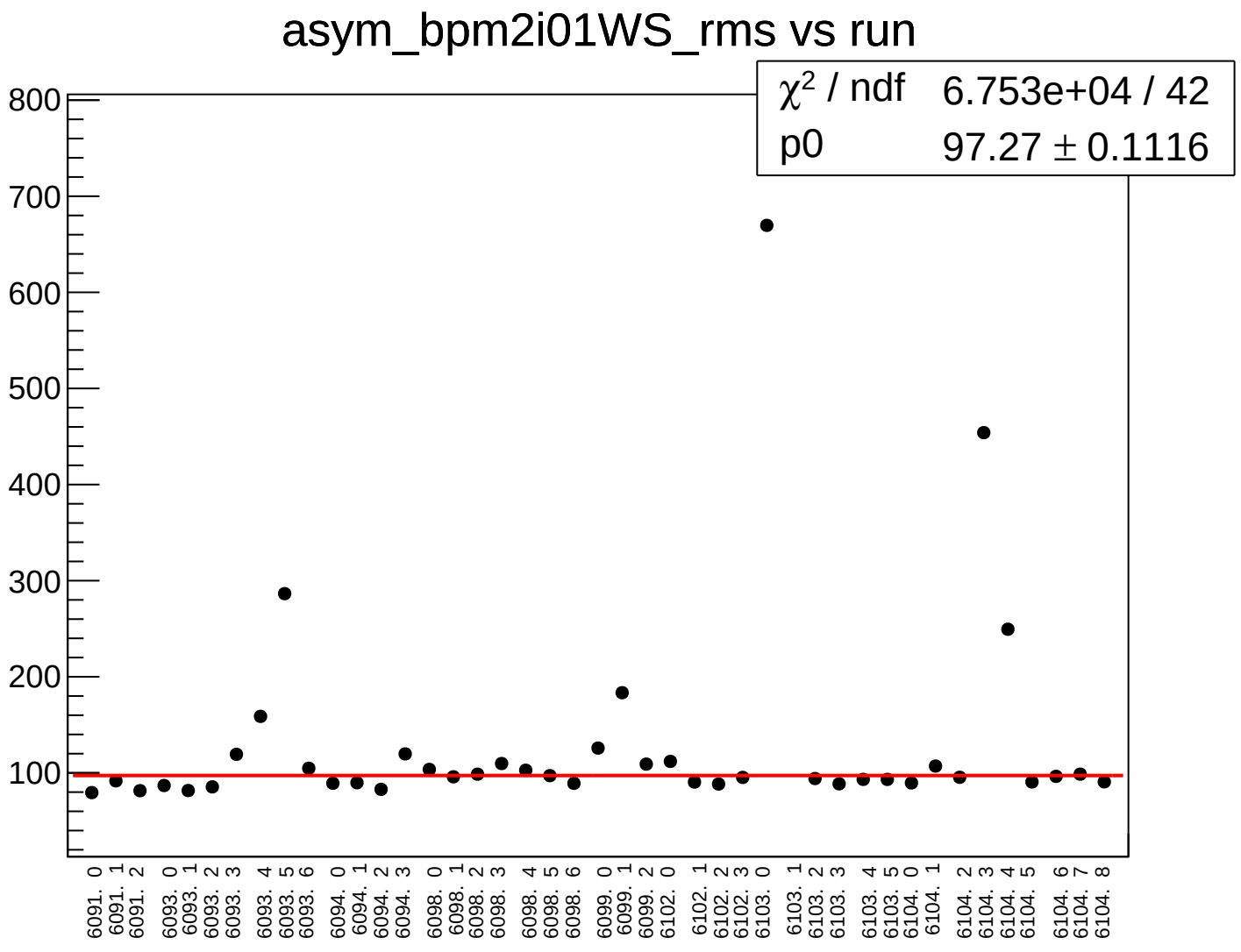

asym_bpm1i02WS_mean vs run
χ² / ndf 391.3 / 42
p0 −5491 ± 179.3
10000
5000
0
−5000
−10000
−15000
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 71.83
Std Dev 122.5
6
4
2
0
−2
−4
−6

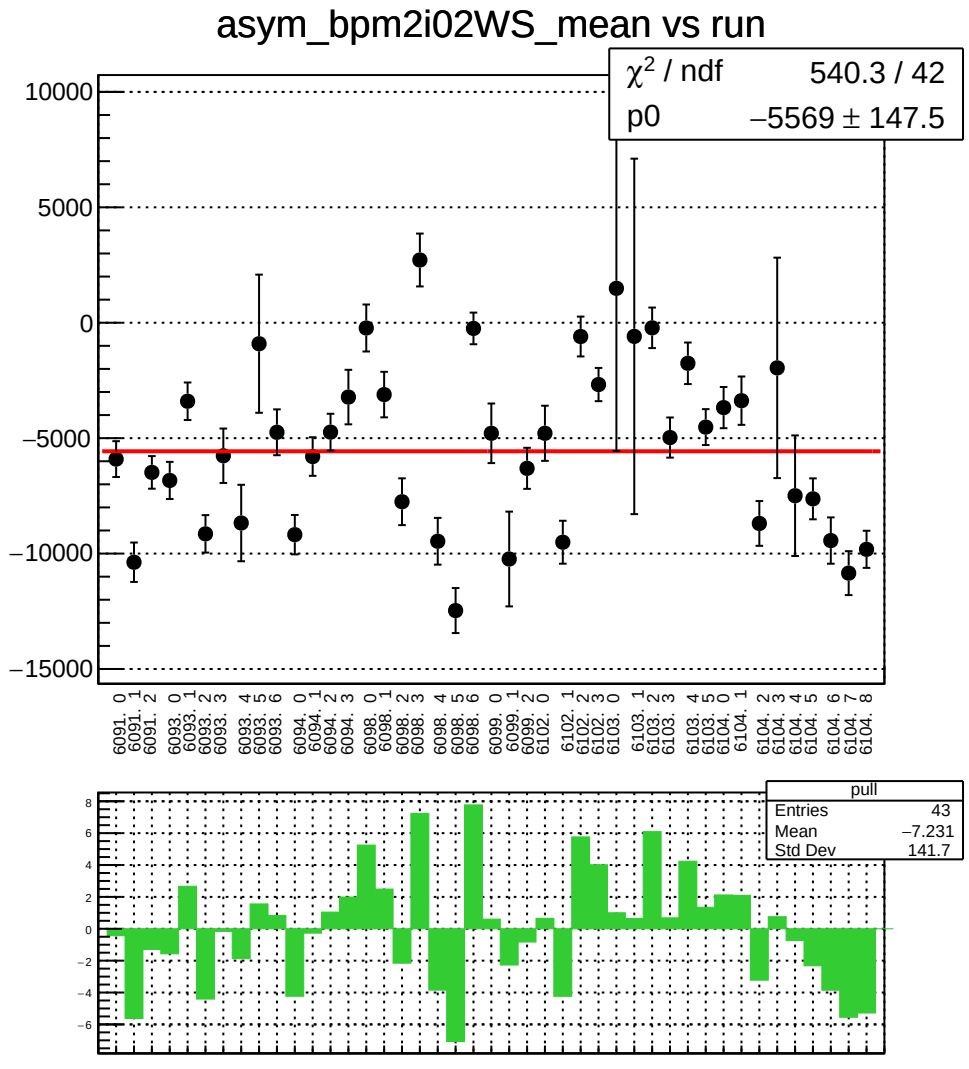

pull1D
Entries 43
Mean −0.01004
Std Dev 3.017
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

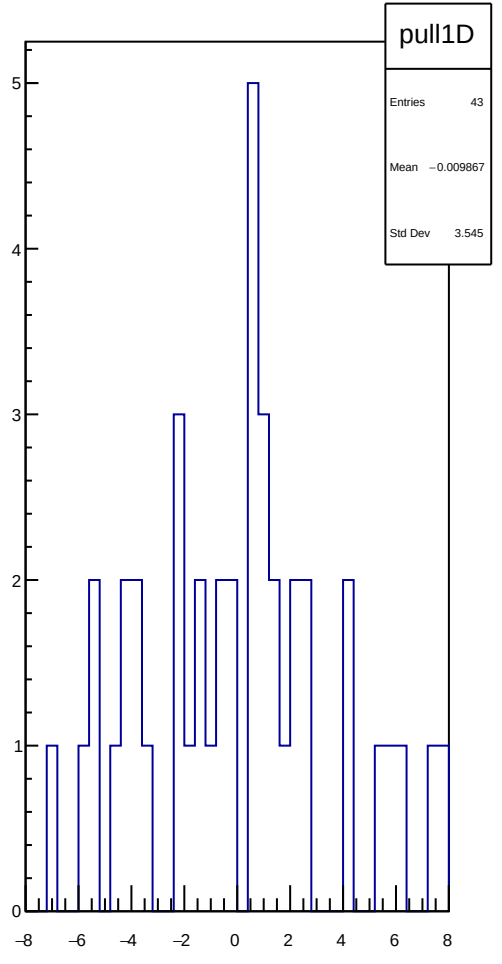

asym_bpm1i02WS_rms vs run
χ² / ndf 6.598e+04 / 42
p0 110.7 ± 0.1268
800
700
600
500
400
300
200
100
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

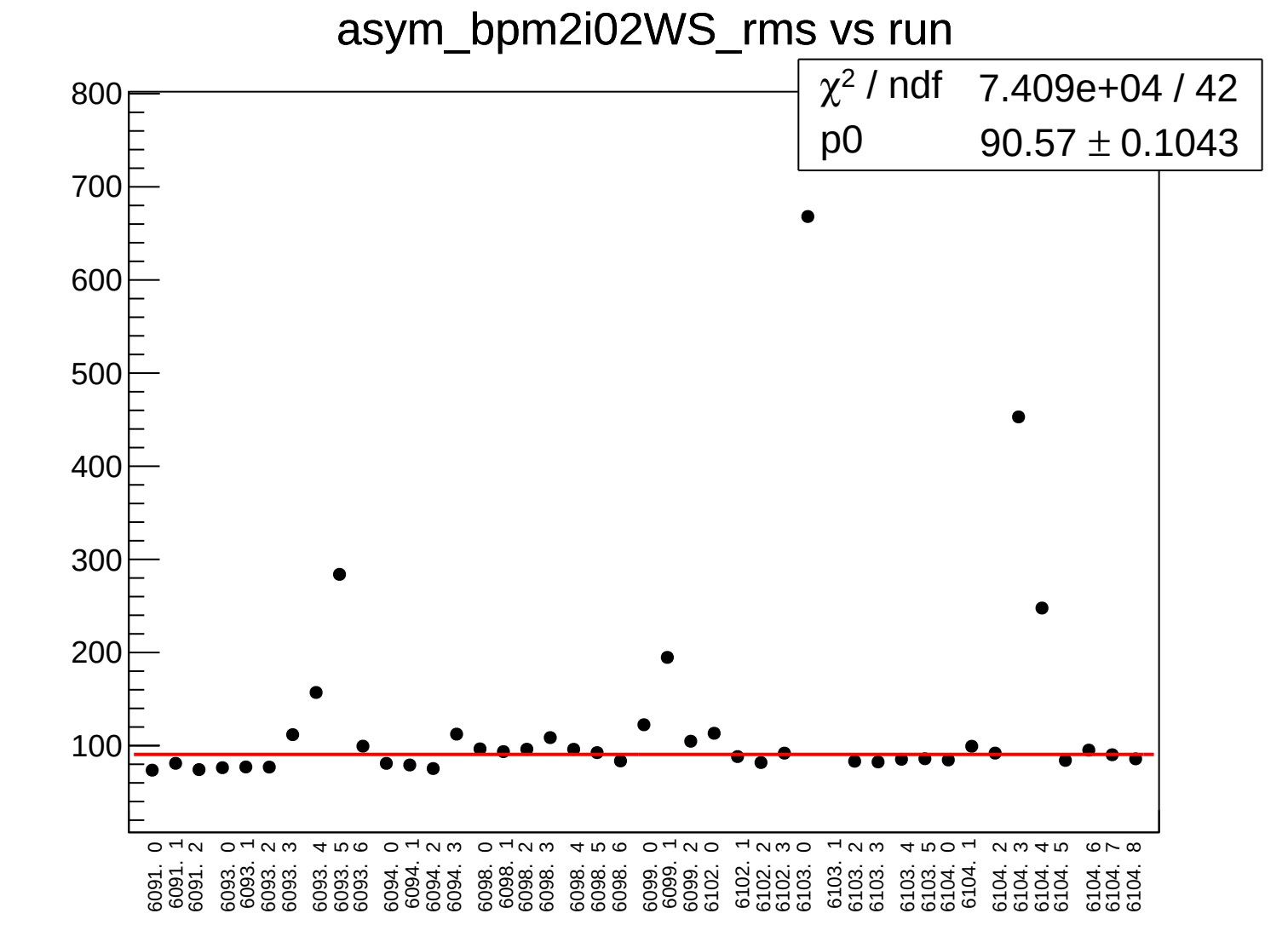

asym_bpm2i01WS_mean vs run
χ² / ndf 486.4 / 42
p0 −5754 ± 157.8
10000
5000
0
−5000
−10000
−15000
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 5667
Std Dev 0
8
6
4
2
0
−2
−4
−6
−8

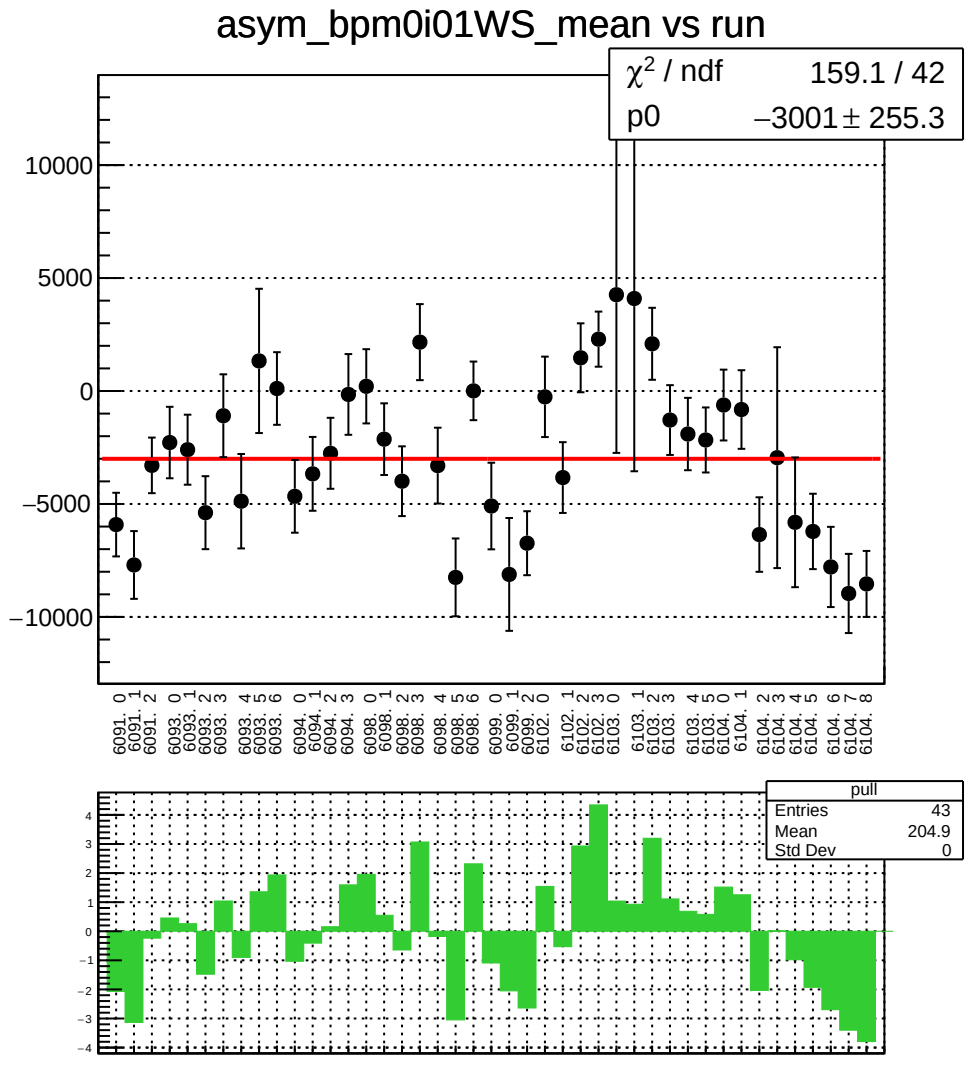

pull1D
Entries 43
Mean 0.0002588
Std Dev 3.363
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

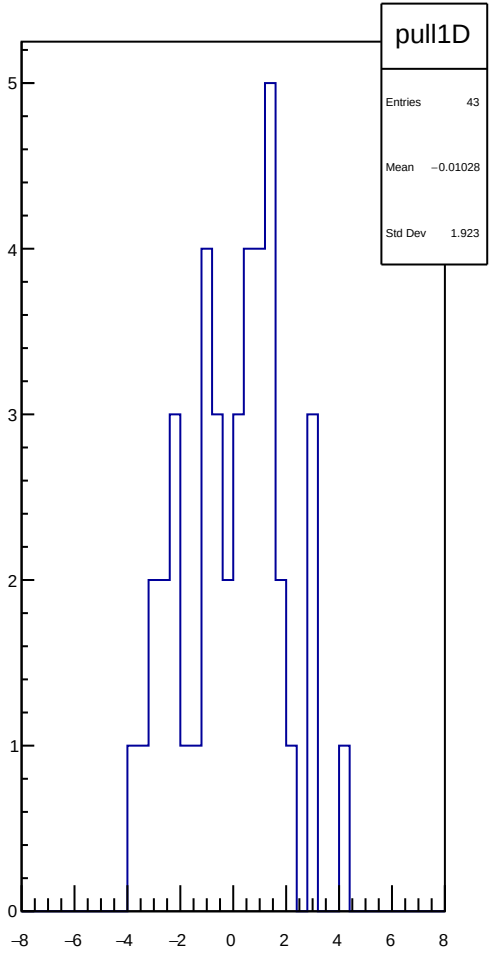

asym_bpm2i01WS_rms vs run
χ² / ndf 6.753e+04 / 42
p0 97.27 ± 0.1116
800
700
600
500
400
300
200
100
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

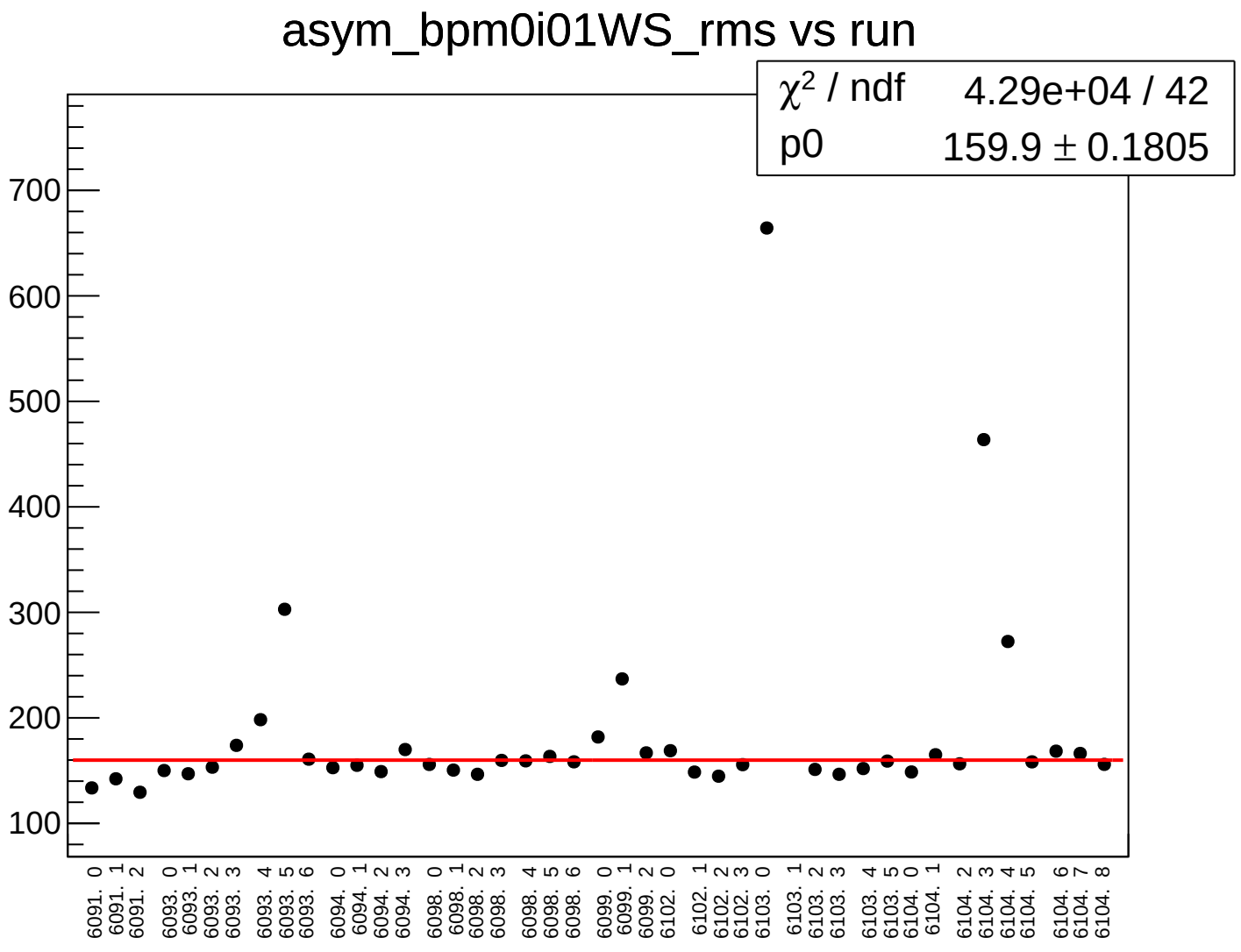

asym_bpm2i02WS_mean vs run
χ² / ndf 540.3 / 42
p0 −5569 ± 147.5
10000
5000
0
−5000
−10000
−15000
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean −7.231
Std Dev 141.7
8
6
4
2
0
−2
−4
−6

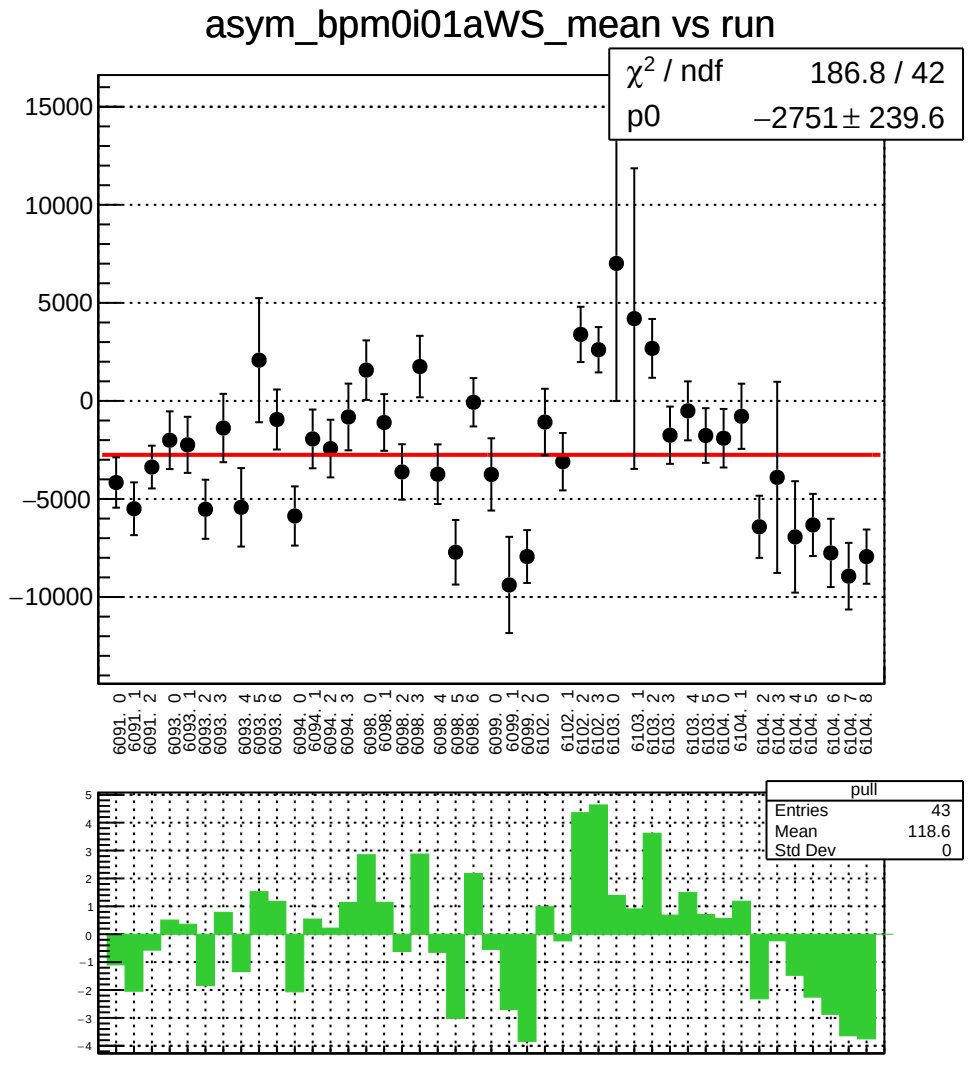

pull1D
Entries 43
Mean −0.009867
Std Dev 3.545
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

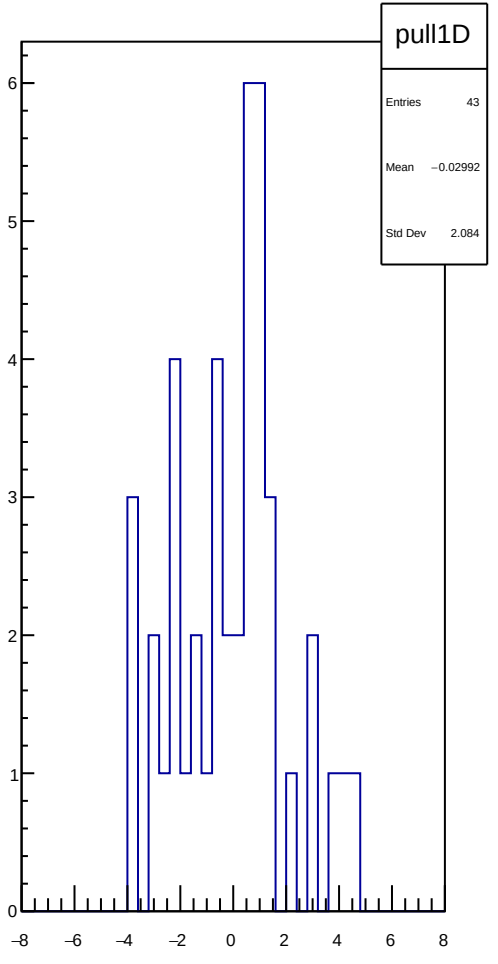

asym_bpm2i02WS_rms vs run
χ^2 / ndf 7.409e+04 / 42
p0 90.57 ± 0.1043
800
700
600
500
400
300
200
100
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

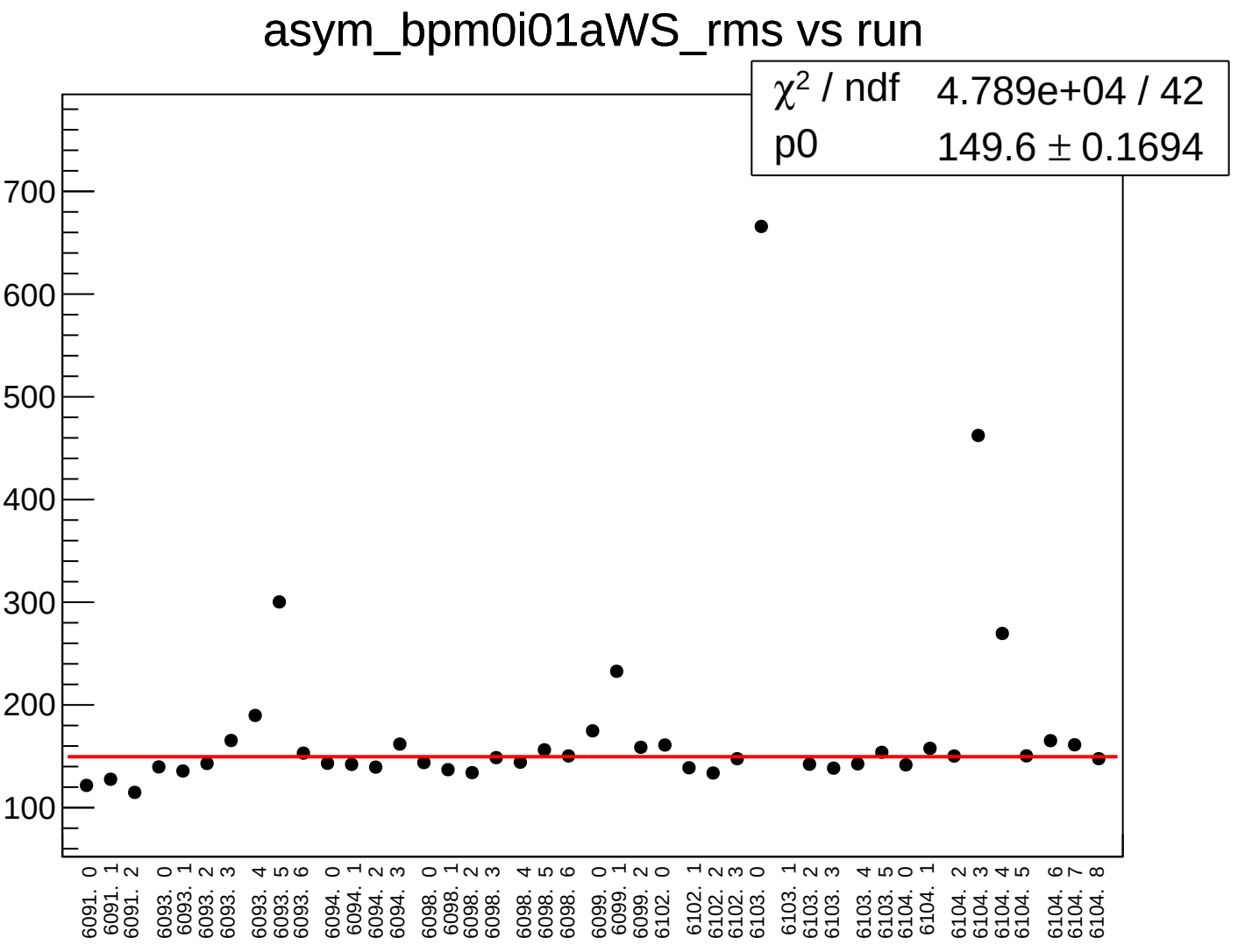

asym_bpm0i01WS_mean vs run
χ² / ndf 159.1 / 42
p0 −3001 ± 255.3
10000
5000
0
−5000
−10000
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 204.9
Std Dev 0
4
3
2
1
0
−1
−2
−3
−4

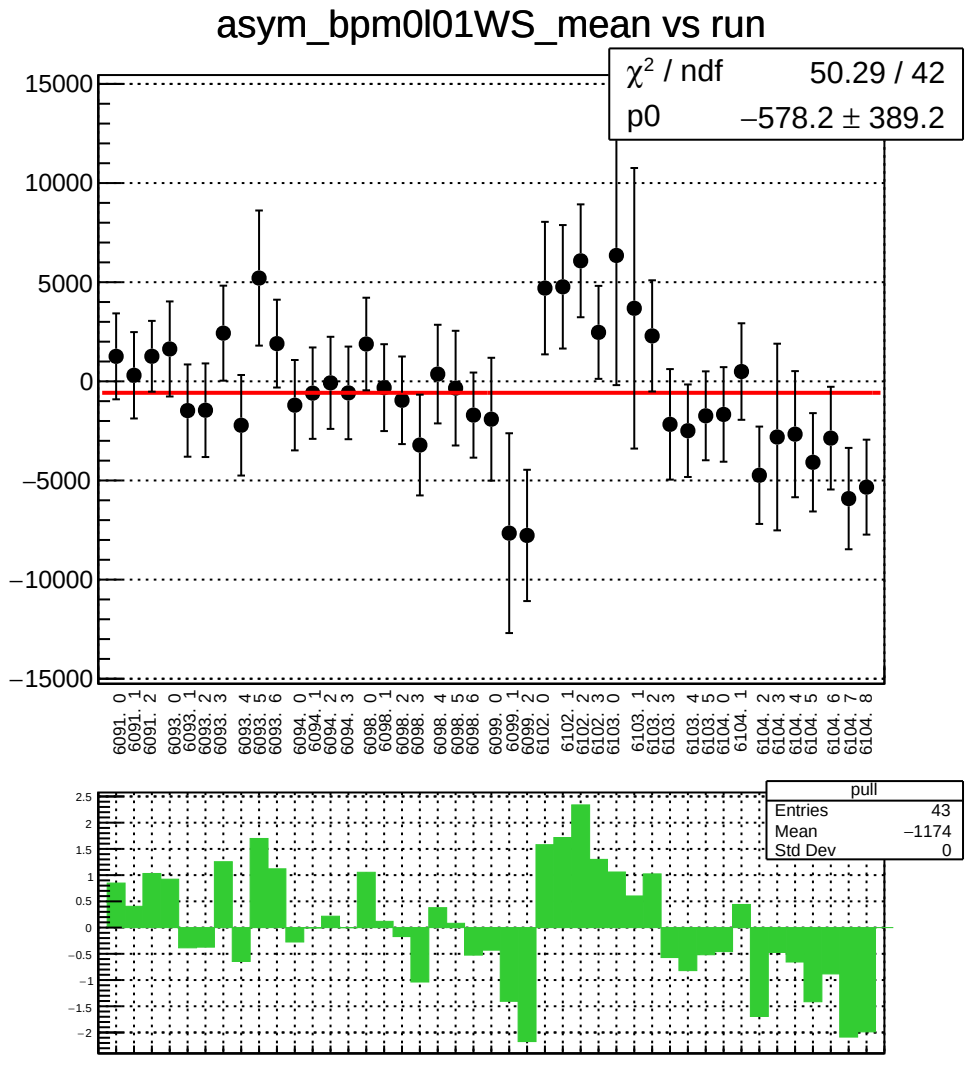

pull1D
Entries 43
Mean −0.01028
Std Dev 1.923
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

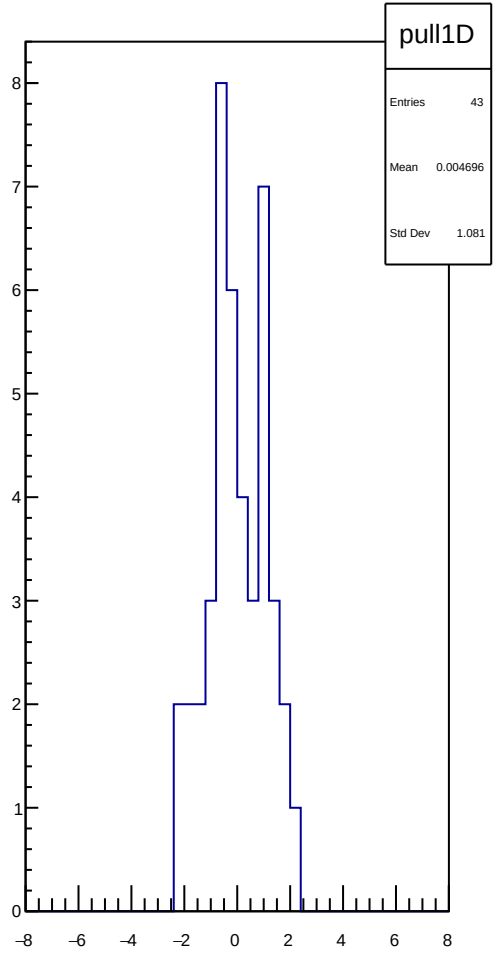

asym_bpm0i01WS_rms vs run
χ² / ndf 4.29e+04 / 42
p0 159.9 ± 0.1805
700
600
500
400
300
200
100
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

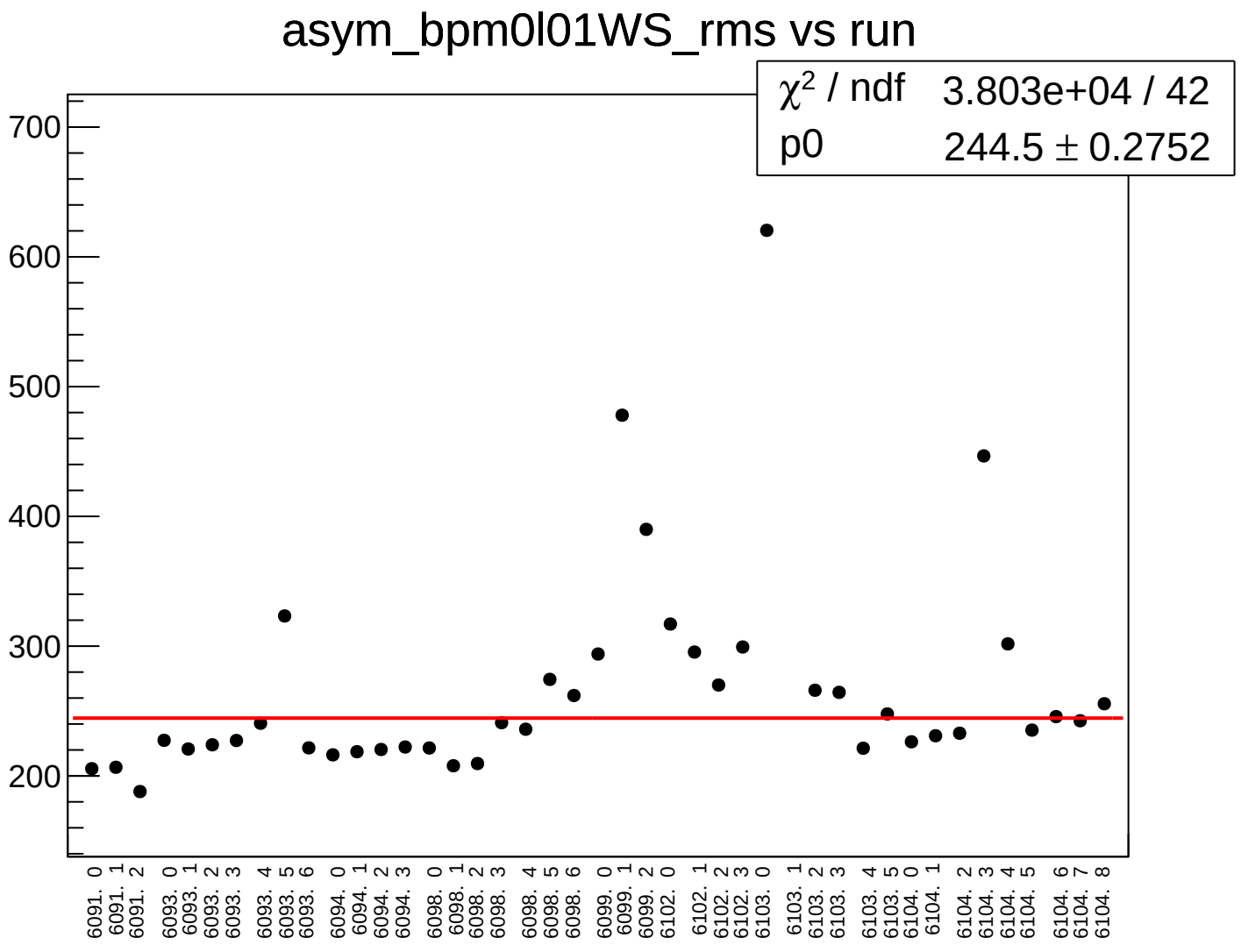

asym_bpm0i01aWS_mean vs run
χ² / ndf 186.8 / 42
p0 −2751 ± 239.6
15000
10000
5000
0
−5000
−10000
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 118.6
Std Dev 0
5
4
3
2
1
0
−1
−2
−3
−4

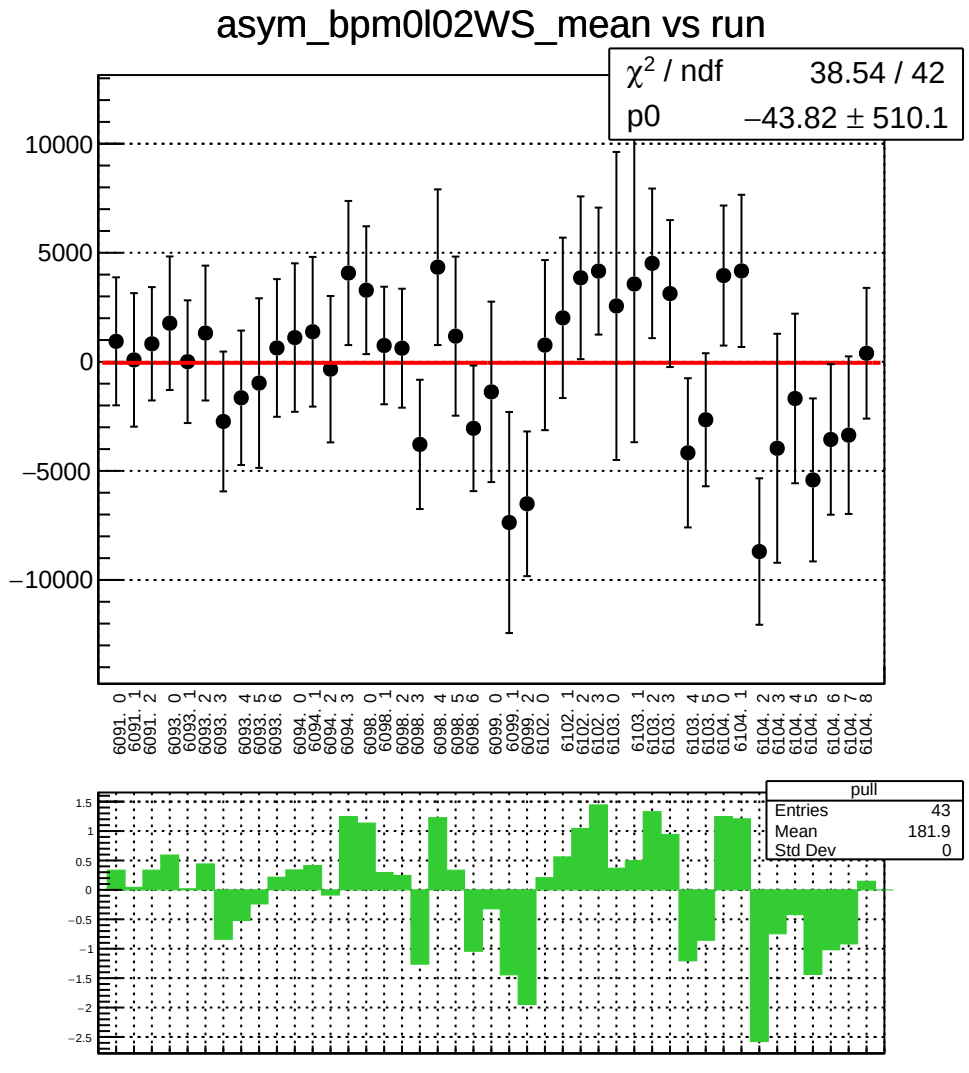

pull1D
Entries 43
Mean −0.02992
Std Dev 2.084
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

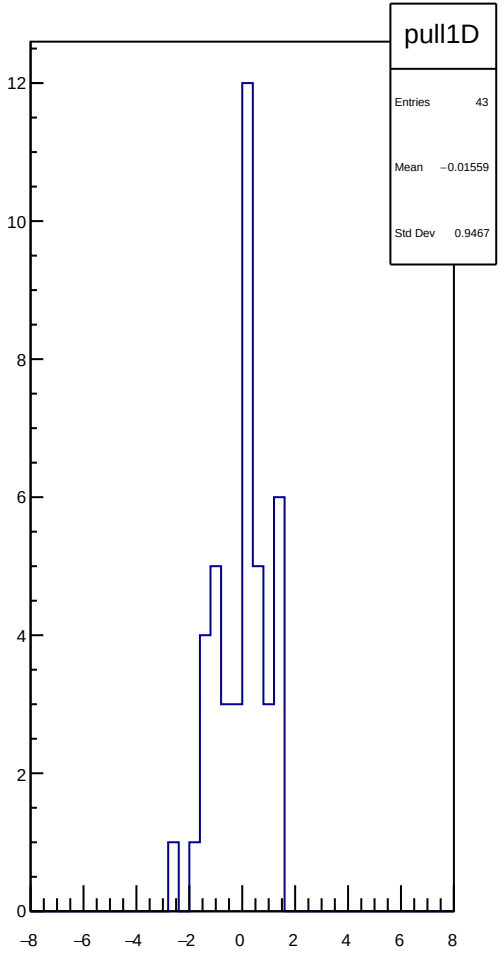

asym_bpm0i01aWS_rms vs run
χ² / ndf 4.789e+04 / 42
p0 149.6 ± 0.1694
700
600
500
400
300
200
100
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

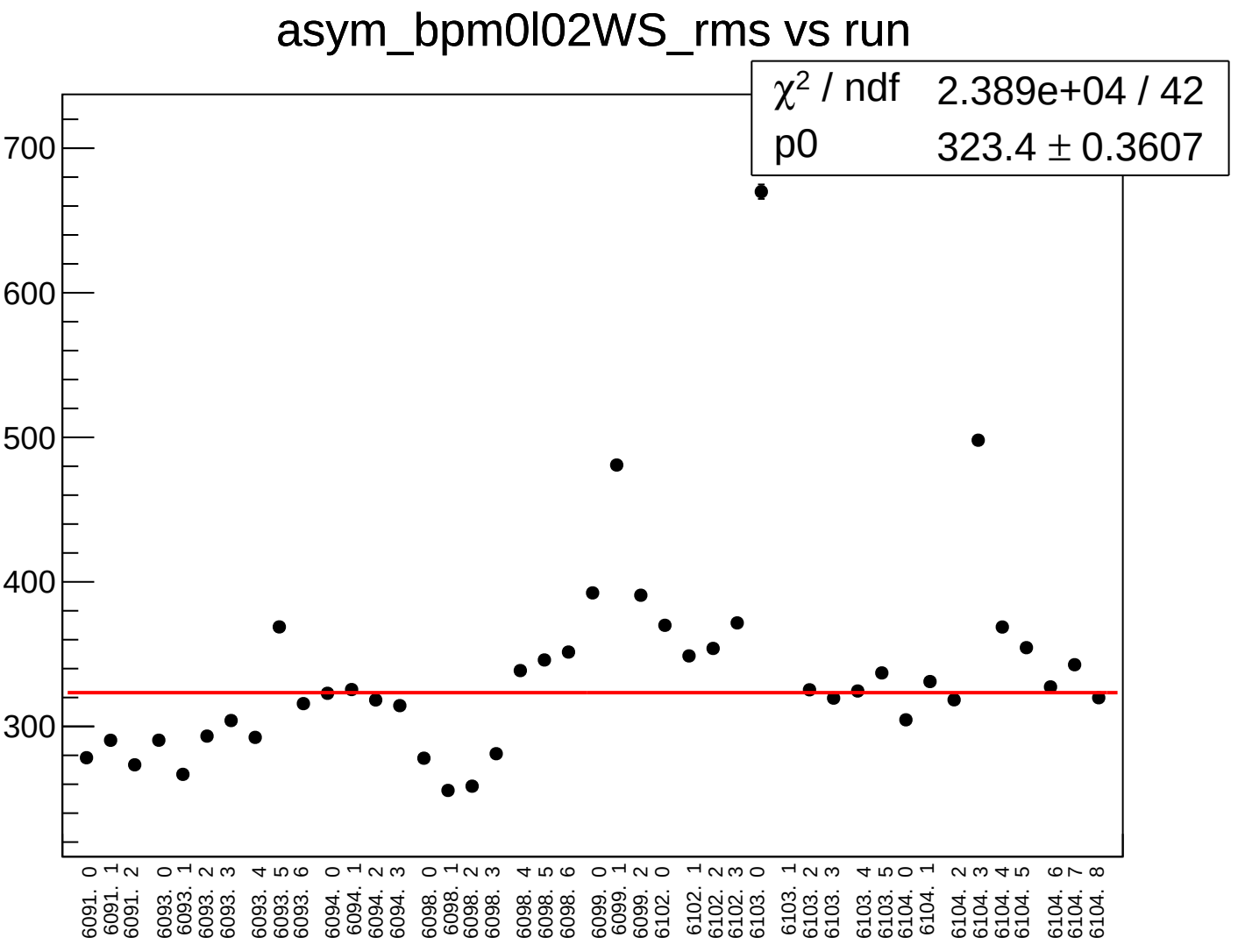

asym_bpm0l01WS_mean vs run
χ² / ndf 50.29 / 42
p0 −578.2 ± 389.2
15000
10000
5000
0
−5000
−10000
−15000
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean −1174
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

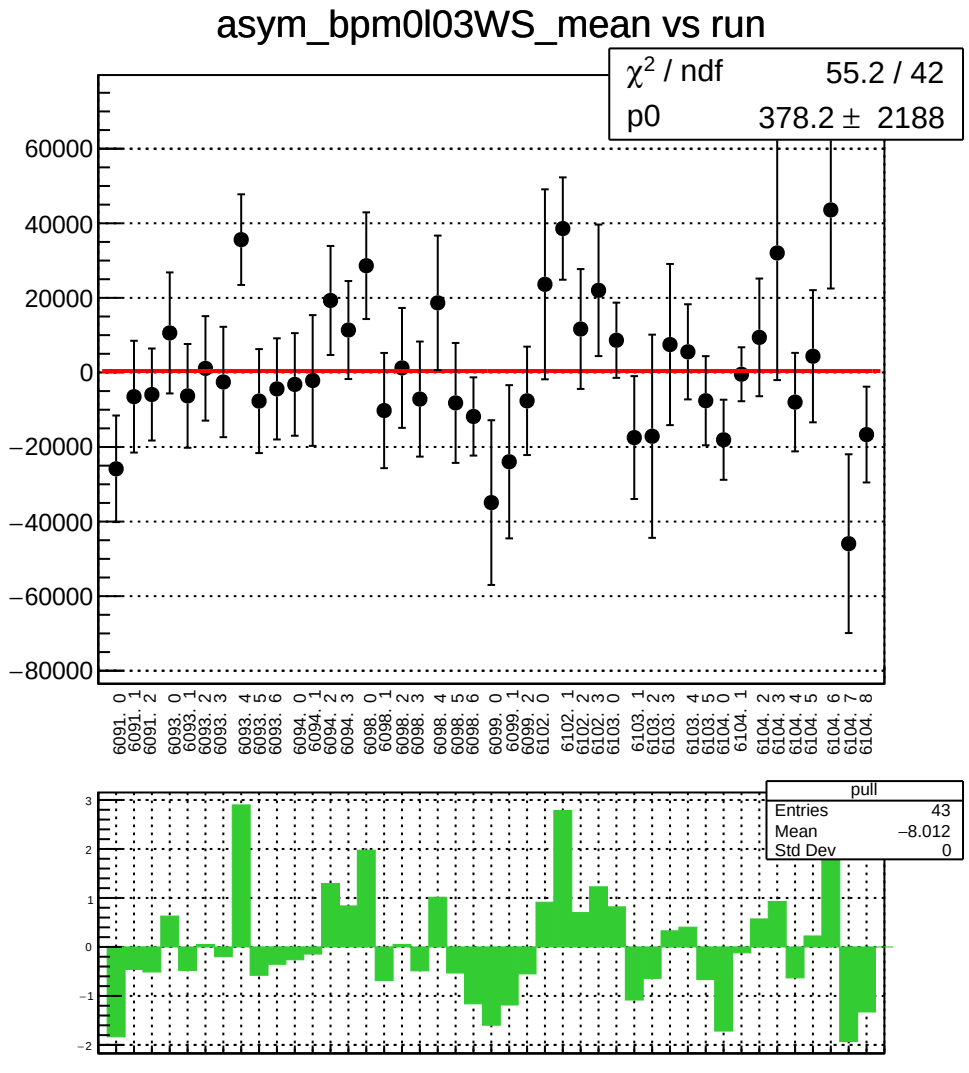

pull1D
Entries 43
Mean 0.004696
Std Dev 1.081
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

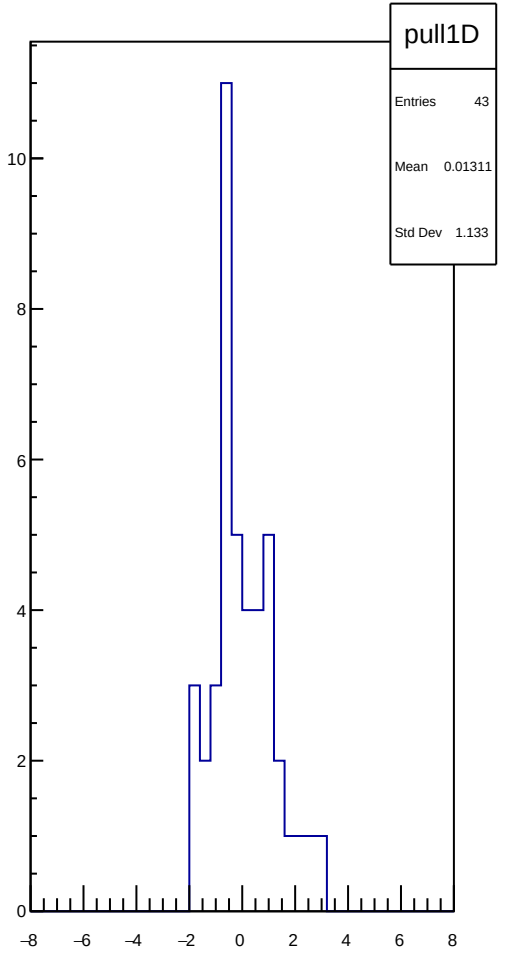

asym_bpm0l01WS_rms vs run
χ² / ndf 3.803e+04 / 42
p0 244.5 ± 0.2752
700
600
500
400
300
200
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

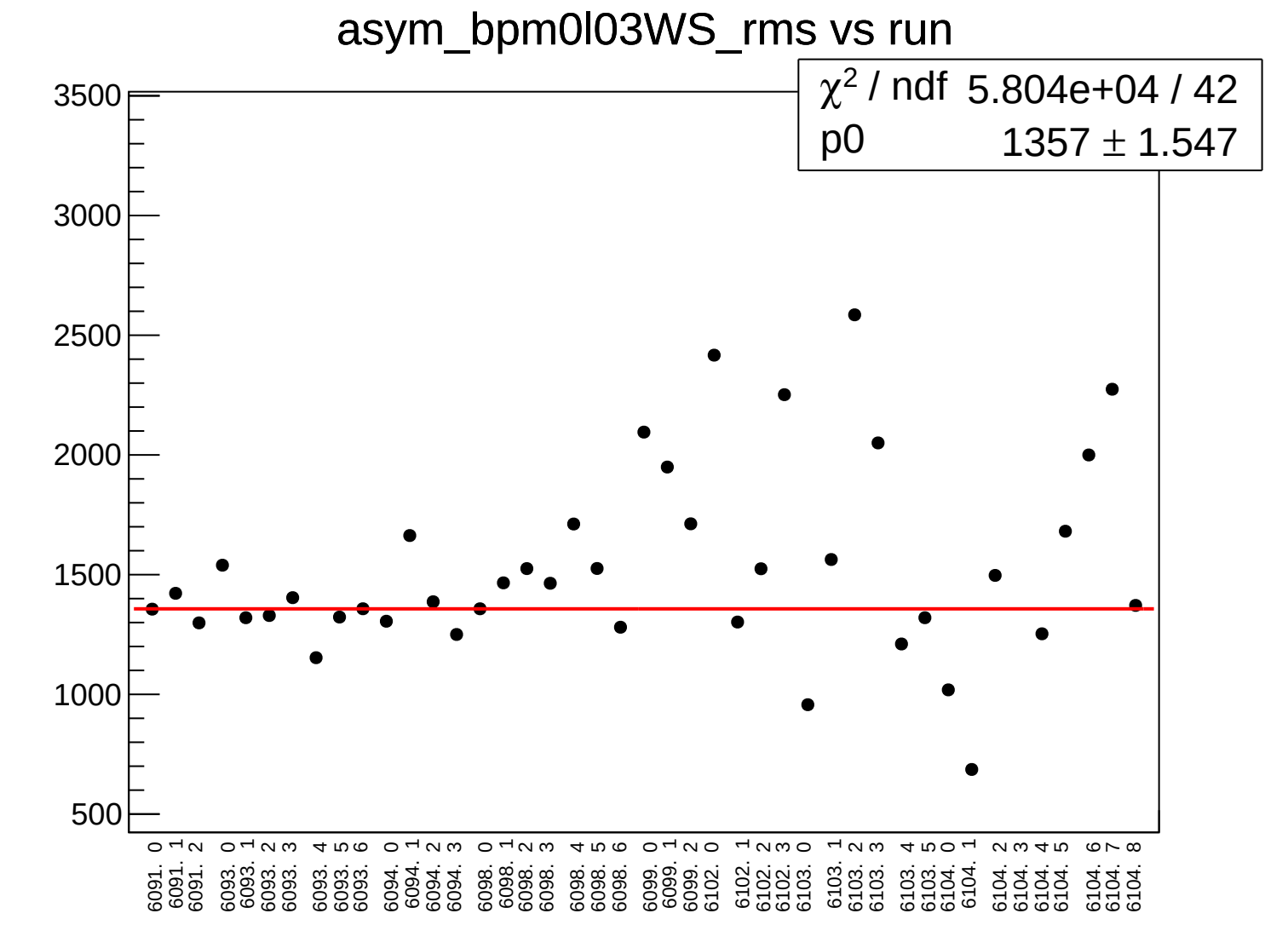

asym_bpm0l02WS_mean vs run
χ² / ndf 38.54 / 42
p0 −43.82 ± 510.1
10000
5000
0
−5000
−10000
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 181.9
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

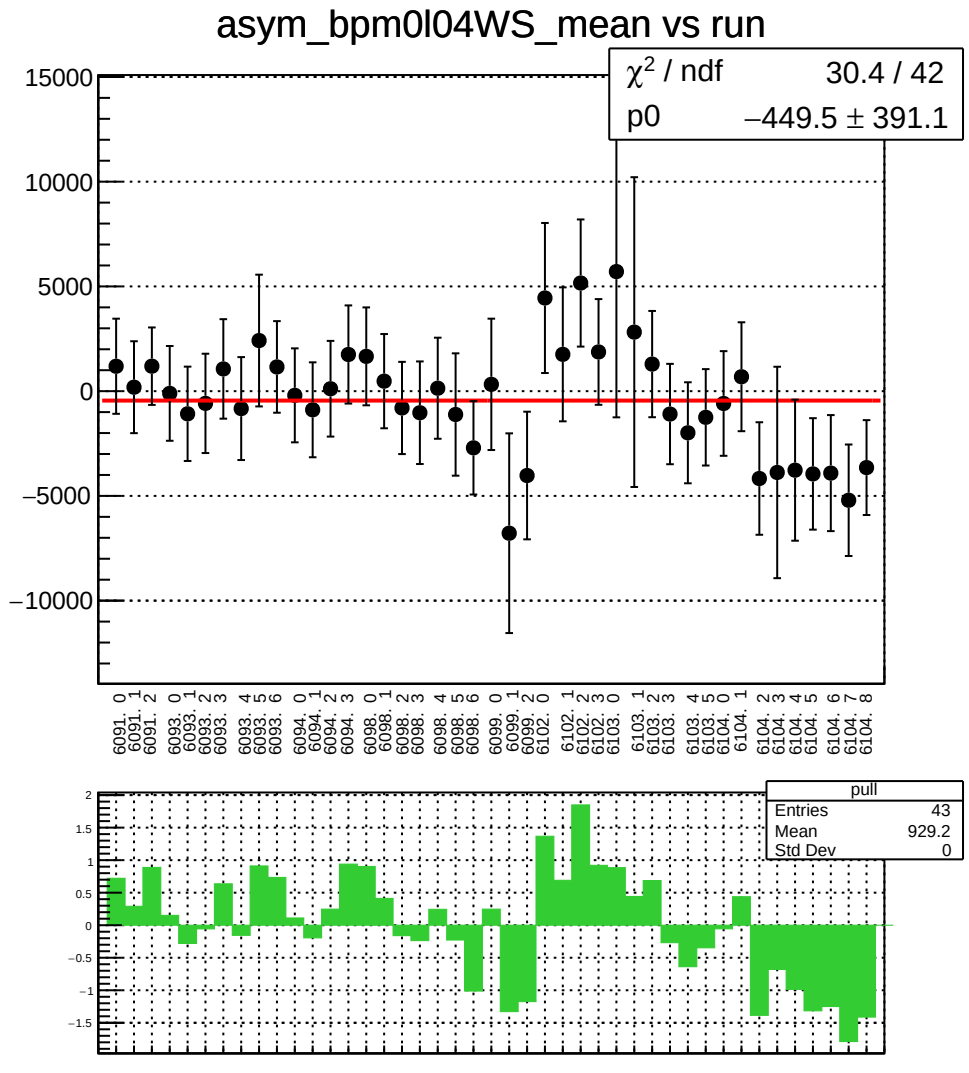

pull1D
Entries 43
Mean −0.01559
Std Dev 0.9467
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

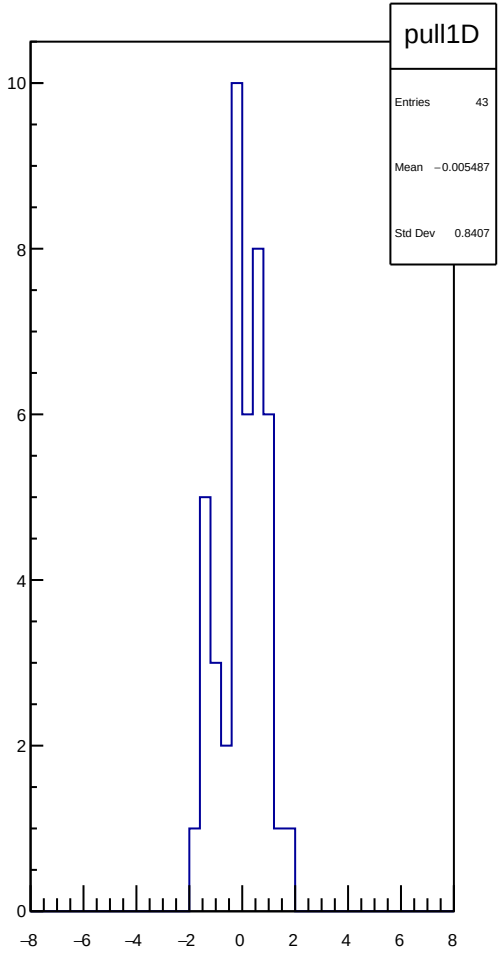

asym_bpm0l02WS_rms vs run
χ² / ndf 2.389e+04 / 42
p0 323.4 ± 0.3607
700
600
500
400
300
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

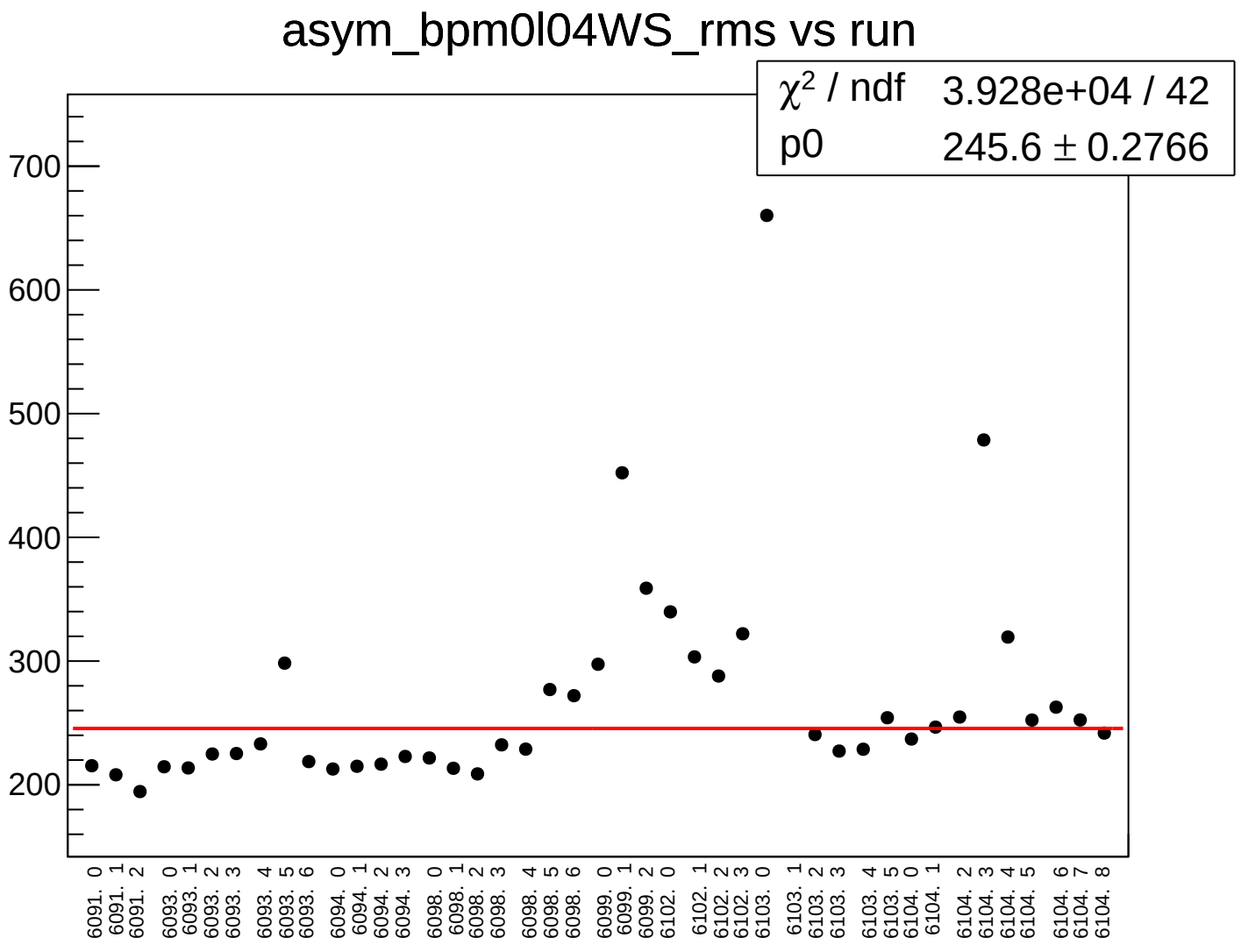

asym_bpm0l03WS_mean vs run
χ² / ndf 55.2 / 42
p0 378.2 ± 2188
60000
40000
20000
0
−20000
−40000
−60000
−80000
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean −8.012
Std Dev 0
3
2
1
0
−1
−2

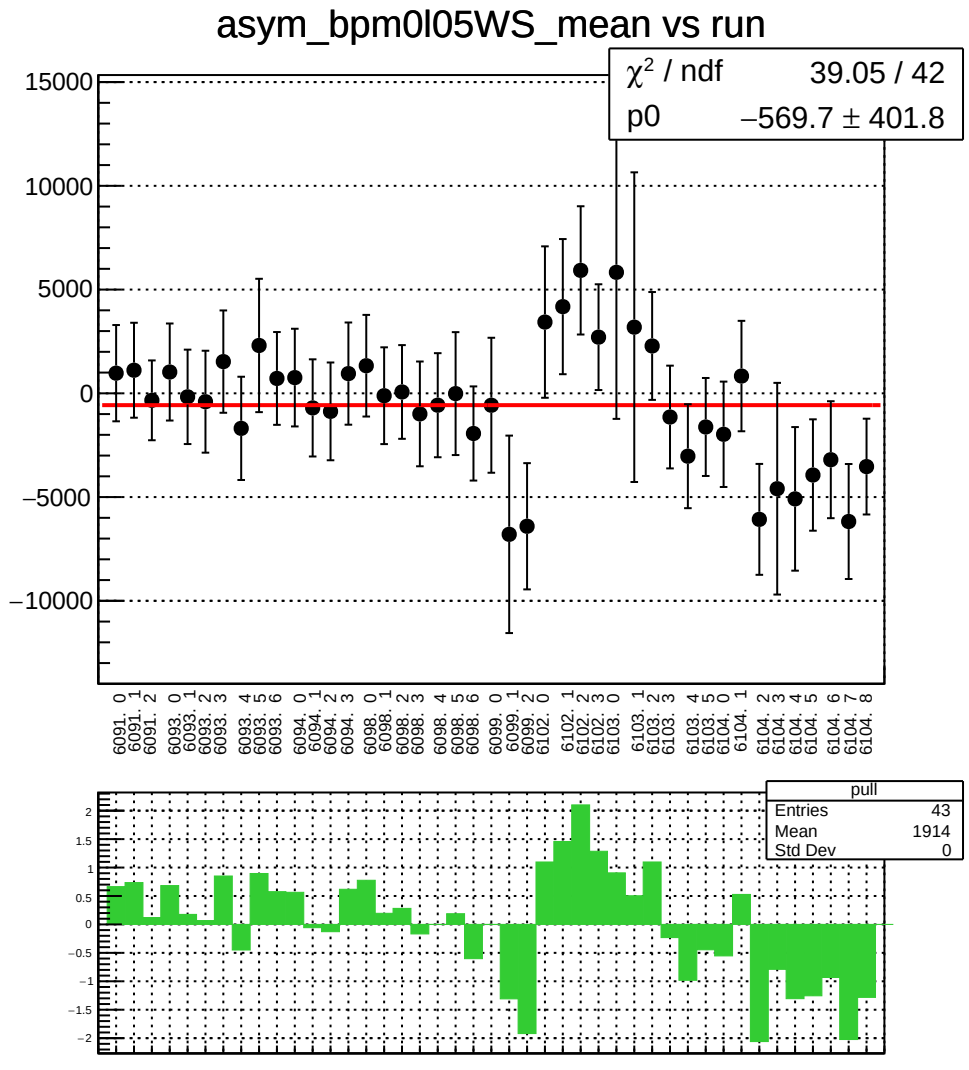

pull1D
Entries 43
Mean 0.01311
Std Dev 1.133
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

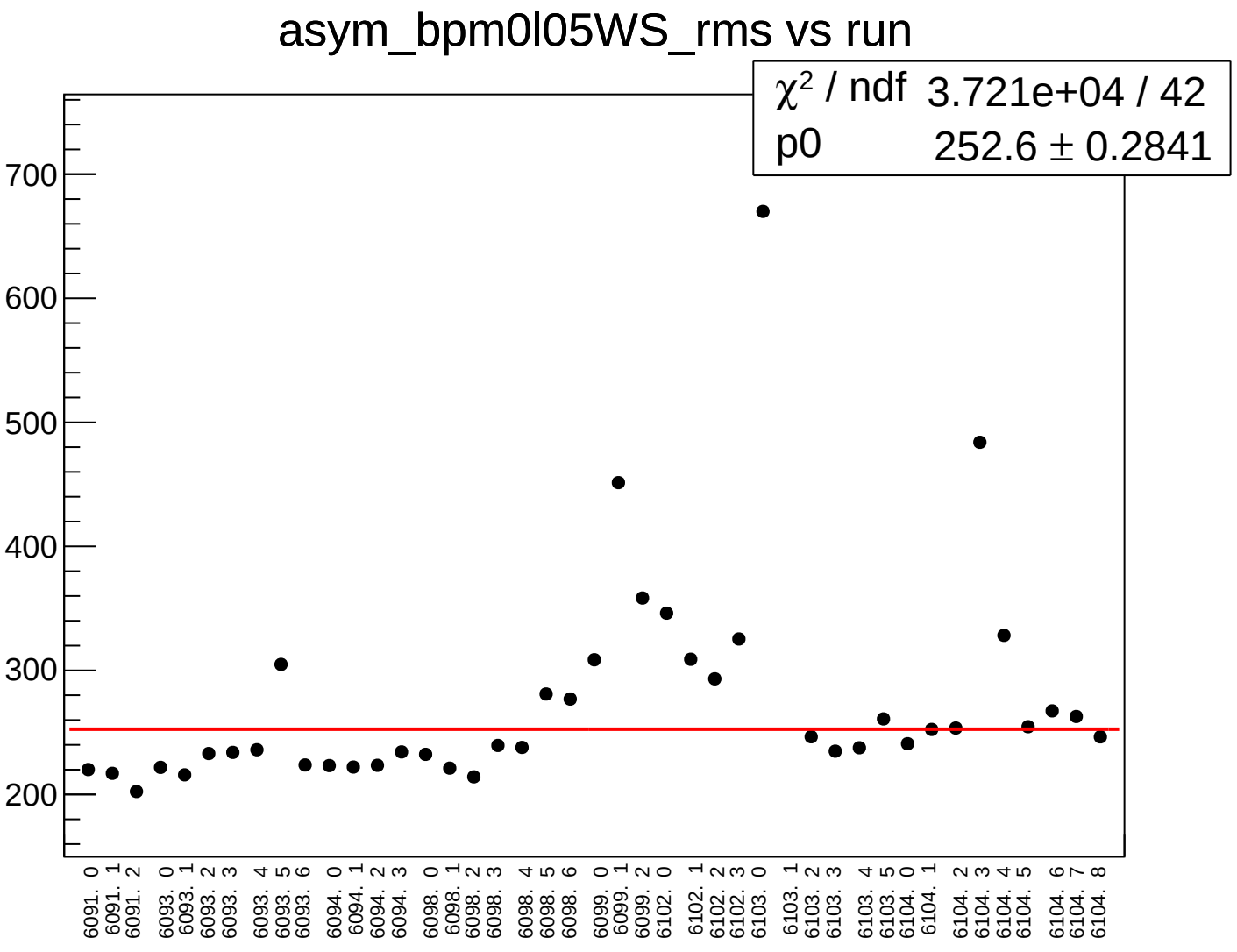

asym_bpm0l03WS_rms vs run
χ² / ndf 5.804e+04 / 42
p0 1357 ± 1.547
3500
3000
2500
2000
1500
1000
500
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

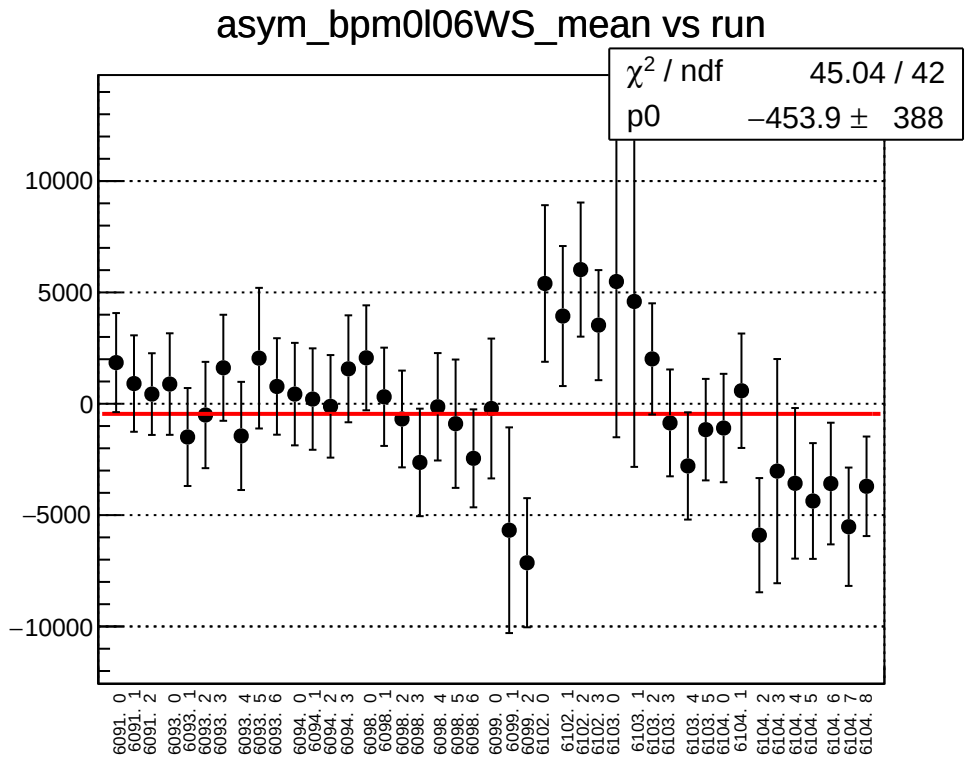

asym_bpm0l04WS_mean vs run
χ² / ndf 30.4 / 42
p0 −449.5 ± 391.1
15000
10000
5000
0
−5000
−10000
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 929.2
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5

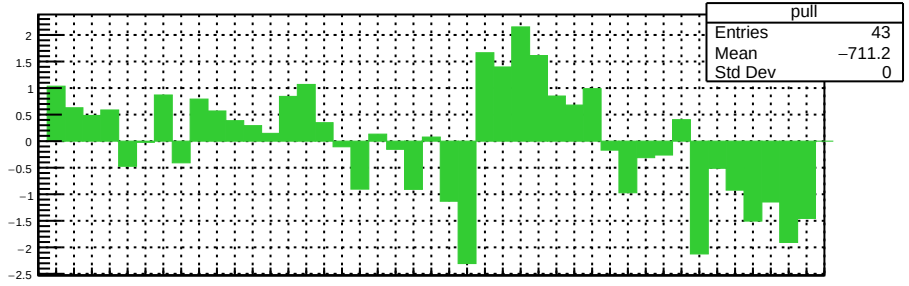

pull1D
Entries 43
Mean −0.005487
Std Dev 0.8407
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

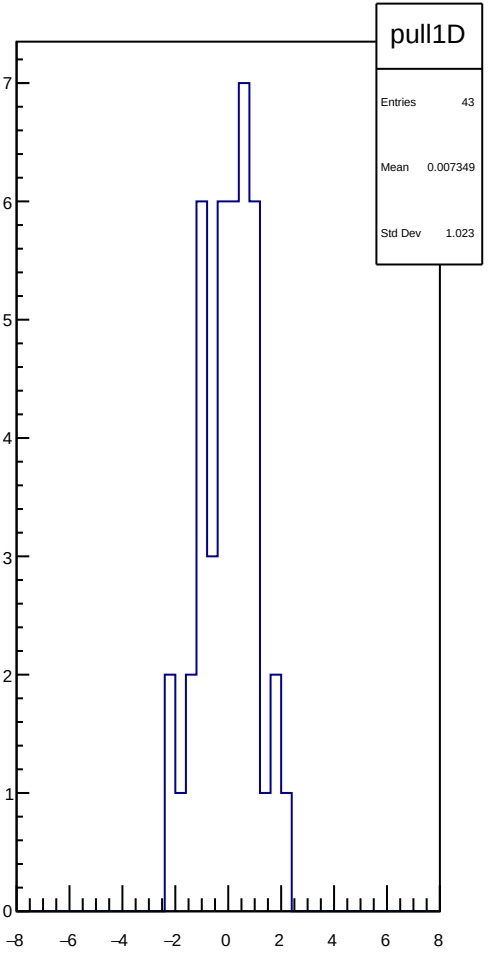

asym_bpm0l04WS_rms vs run
χ² / ndf 3.928e+04 / 42
p0 245.6 ± 0.2766
700
600
500
400
300
200
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

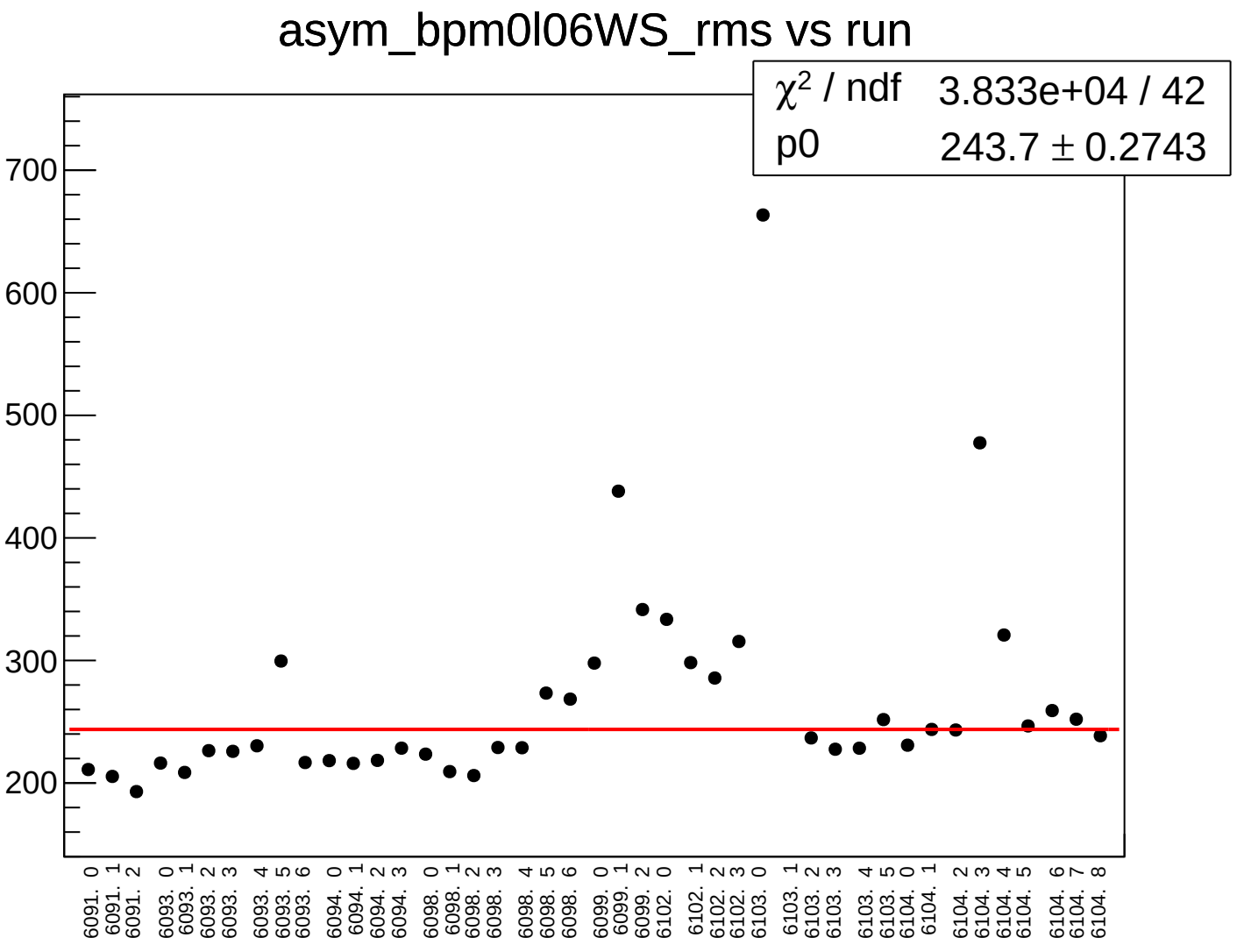

asym_bpm0l05WS_mean vs run
χ² / ndf 39.05 / 42
p0 −569.7 ± 401.8
15000
10000
5000
0
−5000
−10000
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 1914
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 43
Mean −0.002927
Std Dev 0.953
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

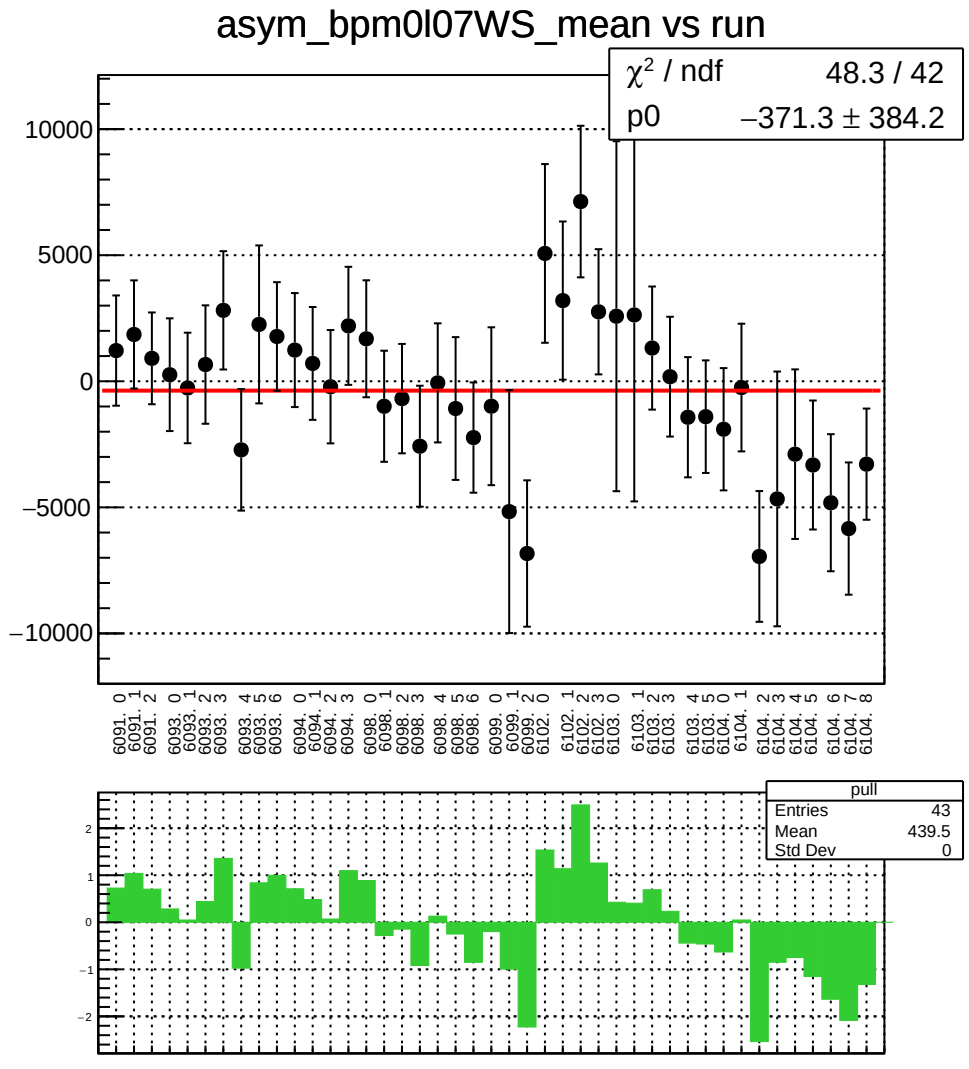

asym_bpm0l05WS_rms vs run
χ² / ndf 3.721e+04 / 42
p0 252.6 ± 0.2841
700
600
500
400
300
200
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

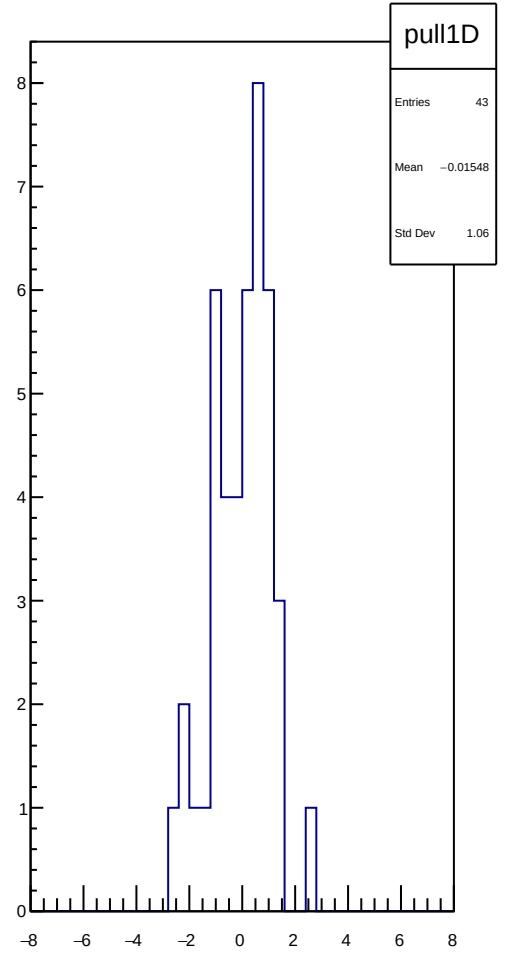

asym_bpm0l06WS_mean vs run
χ² / ndf 45.04 / 42
p0 −453.9 ± 388
10000
5000
0
−5000
−10000
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

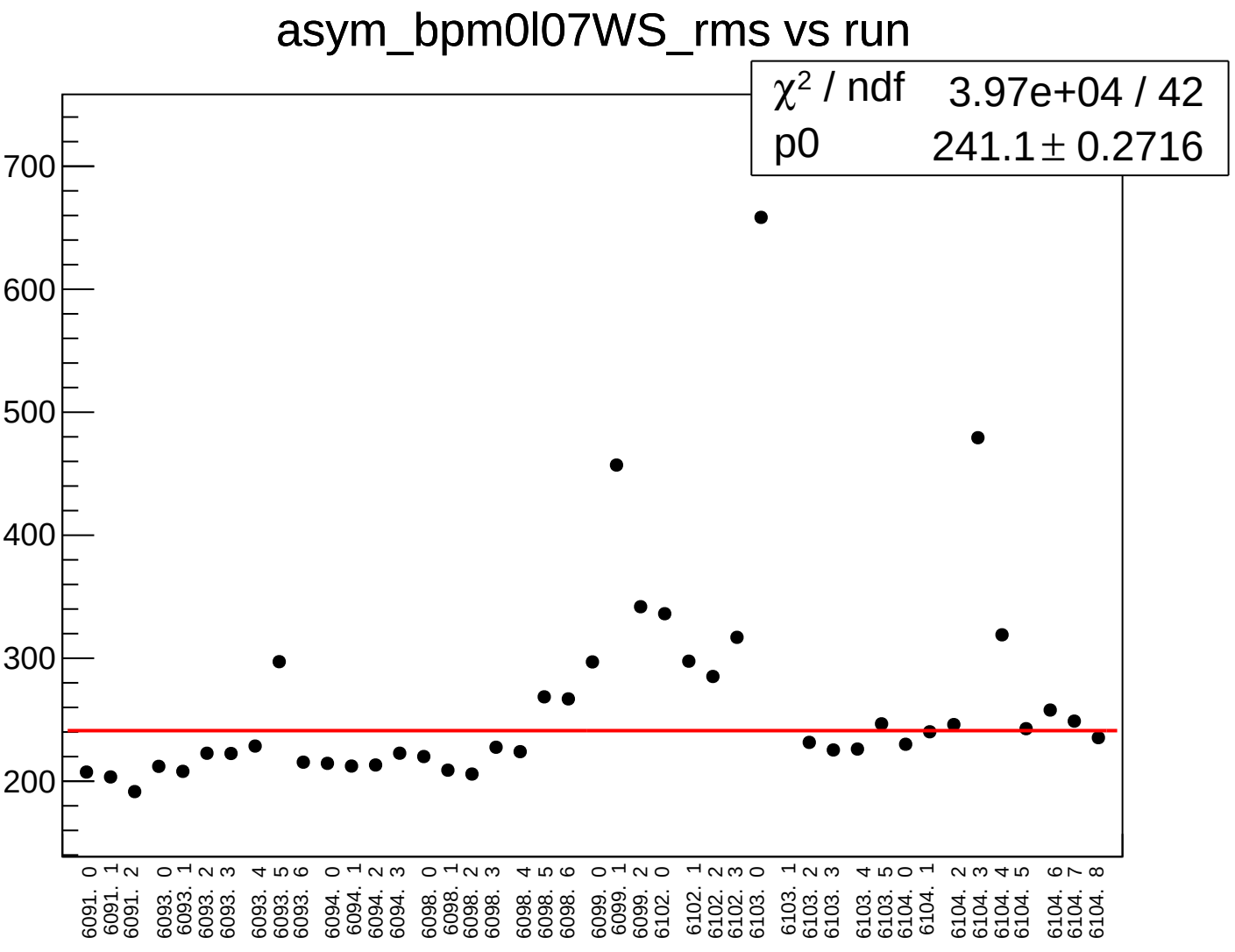

pull
Entries 43
Mean −711.2
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

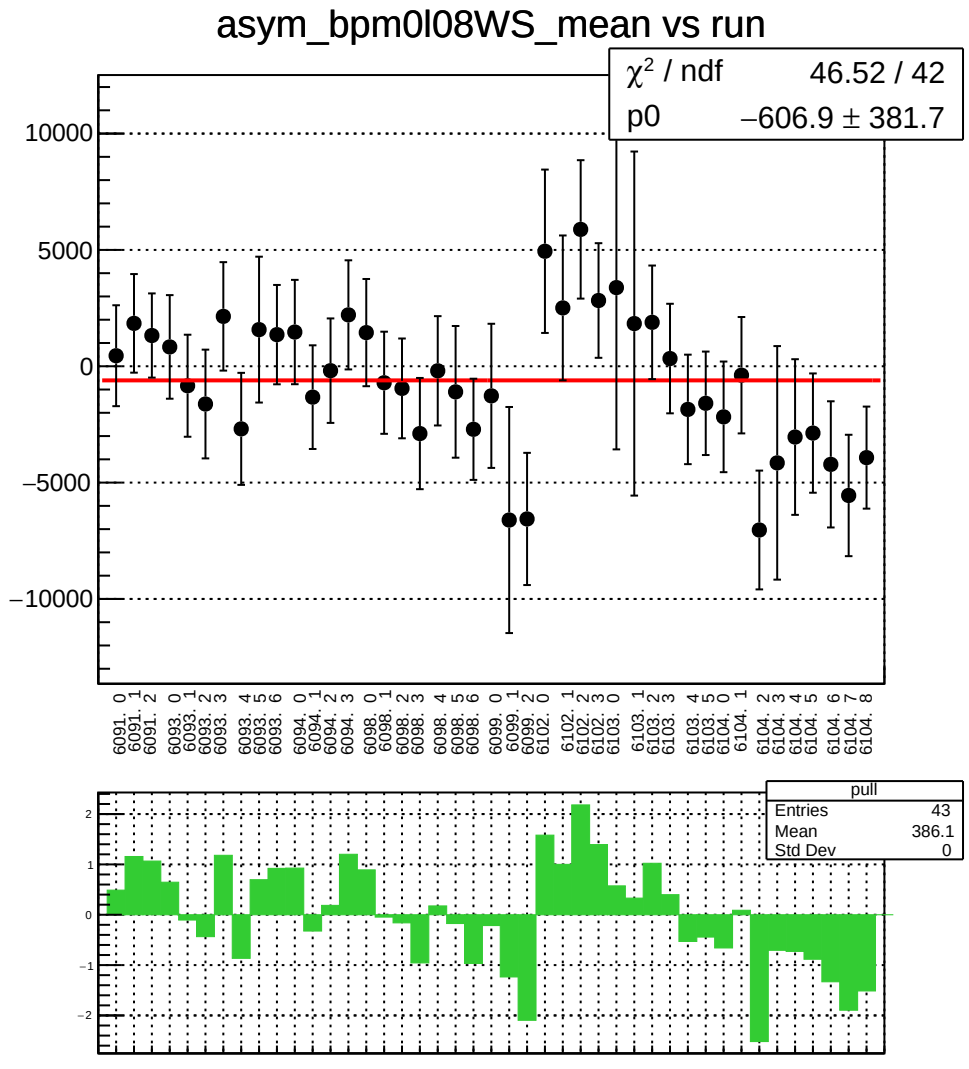

pull1D
Entries 43
Mean 0.007349
Std Dev 1.023
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

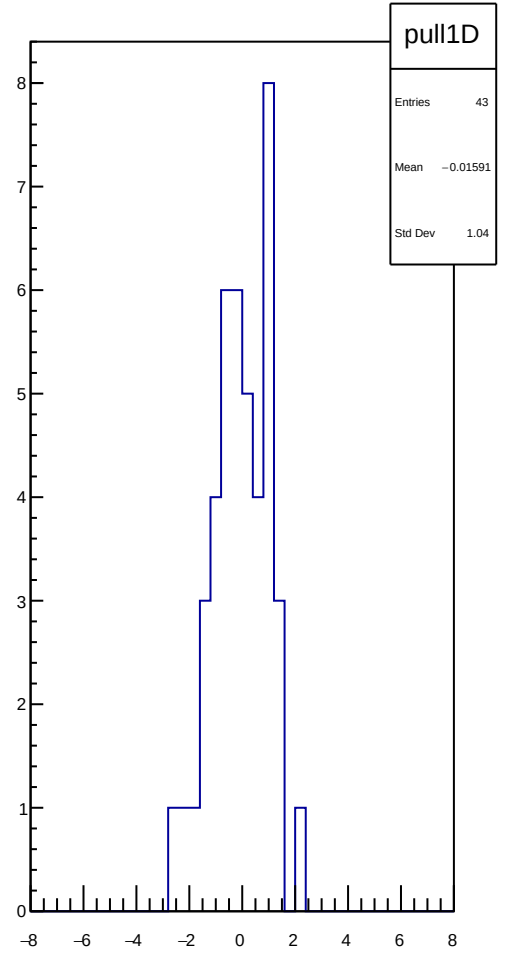

asym_bpm0l06WS_rms vs run
χ² / ndf 3.833e+04 / 42
p0 243.7 ± 0.2743
700
600
500
400
300
200
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

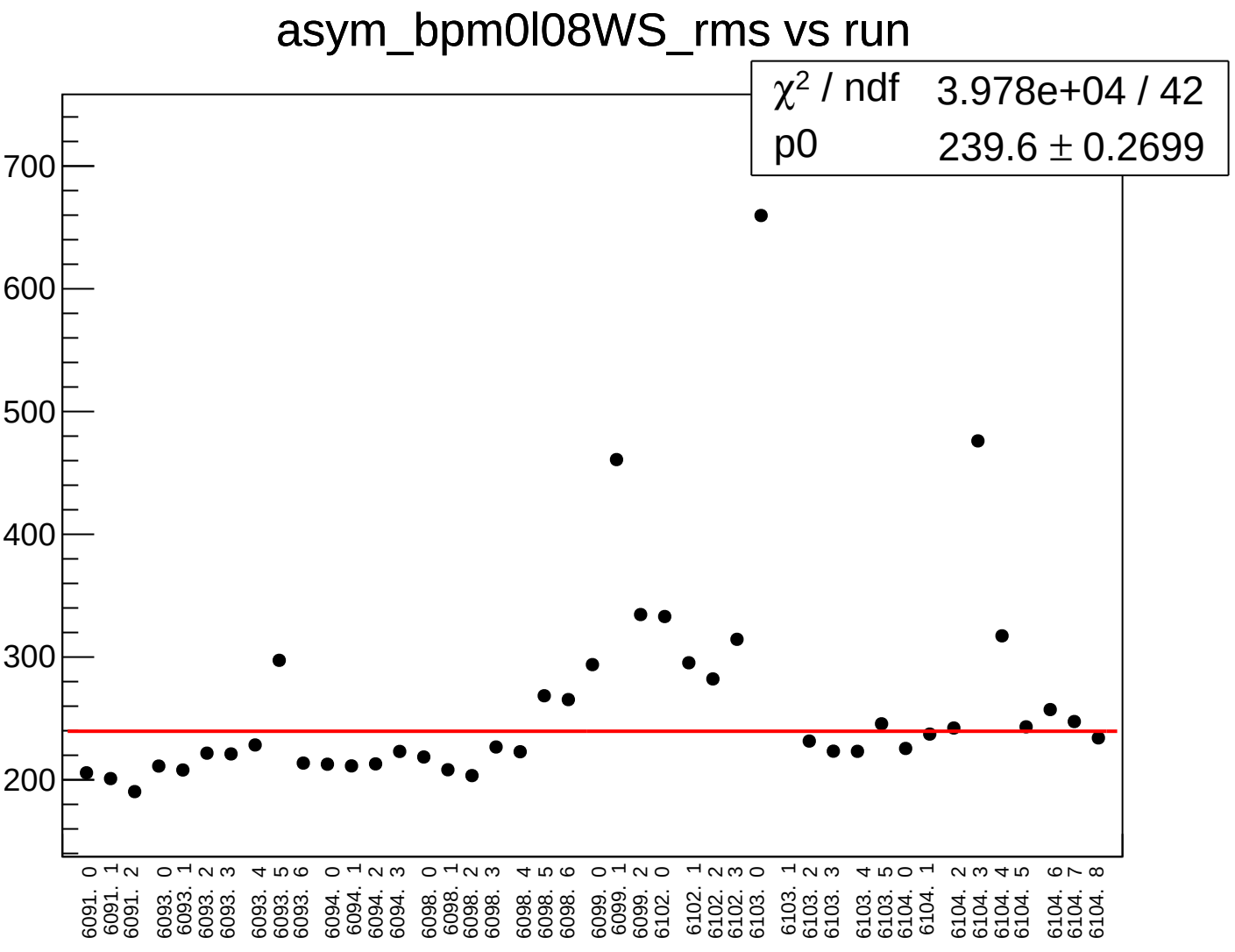

asym_bpm0l07WS_mean vs run
χ² / ndf 48.3 / 42
p0 −371.3 ± 384.2
10000
5000
0
−5000
−10000
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 439.5
Std Dev 0
2
1
0
−1
−2

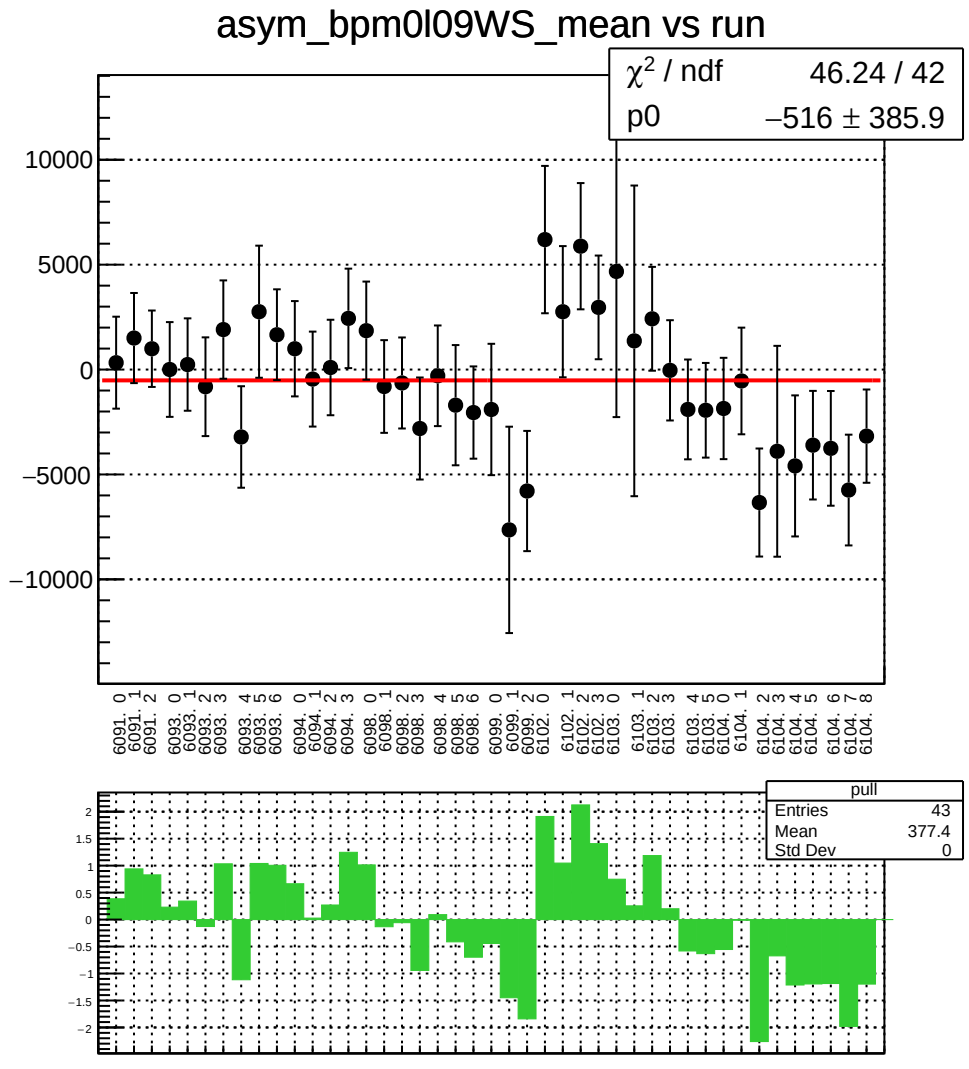

pull1D
Entries 43
Mean −0.01548
Std Dev 1.06
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

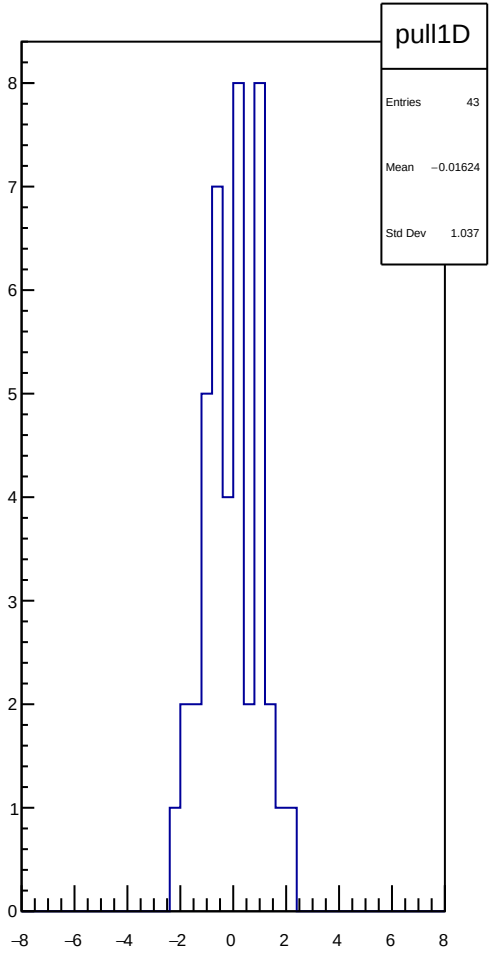

asym_bpm0l07WS_rms vs run
χ² / ndf 3.97e+04 / 42
p0 241.1 ± 0.2716
700
600
500
400
300
200
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

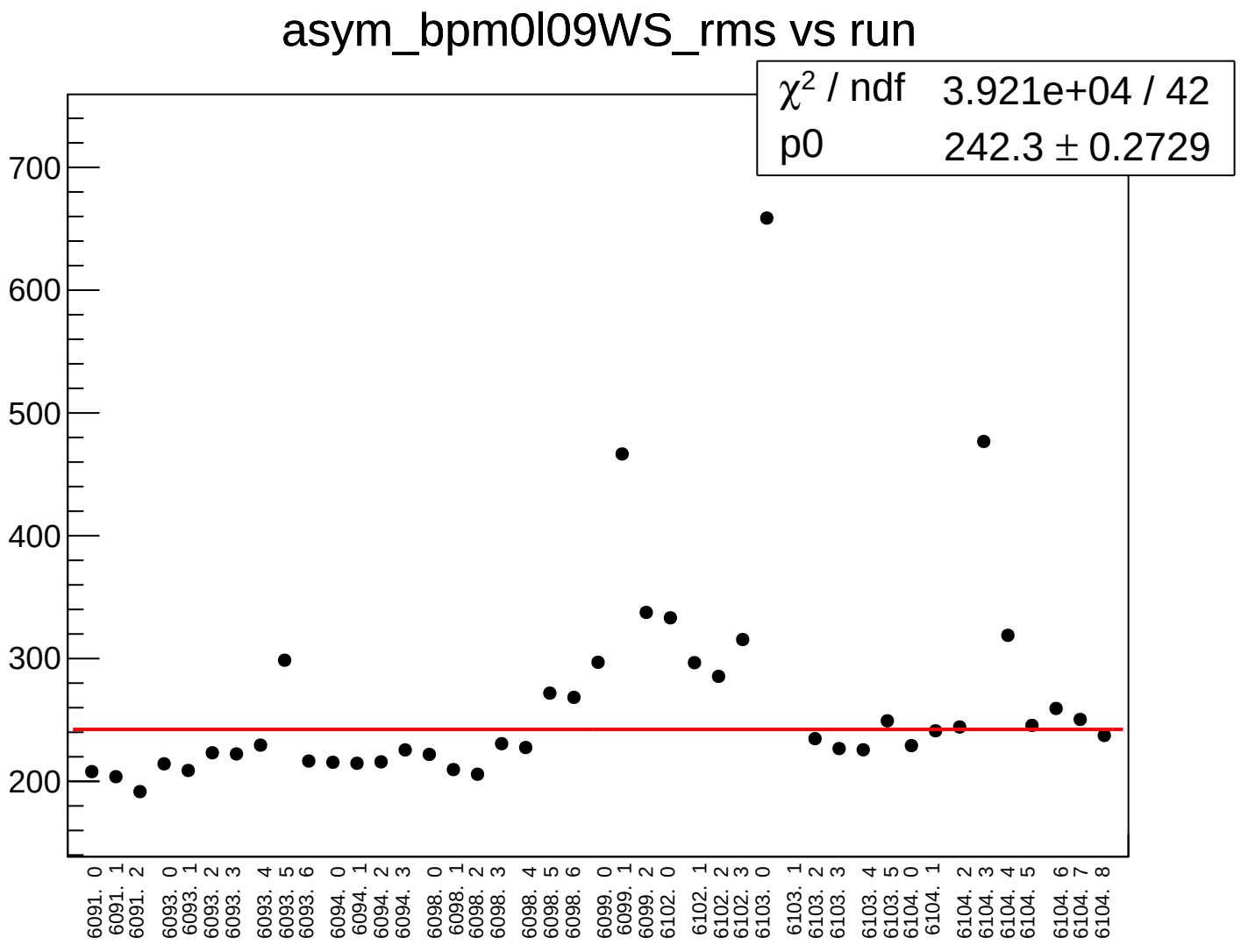

asym_bpm0l08WS_mean vs run
χ² / ndf 46.52 / 42
p0 −606.9 ± 381.7
10000
5000
0
−5000
−10000
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 386.1
Std Dev 0
2
1
0
−1
−2

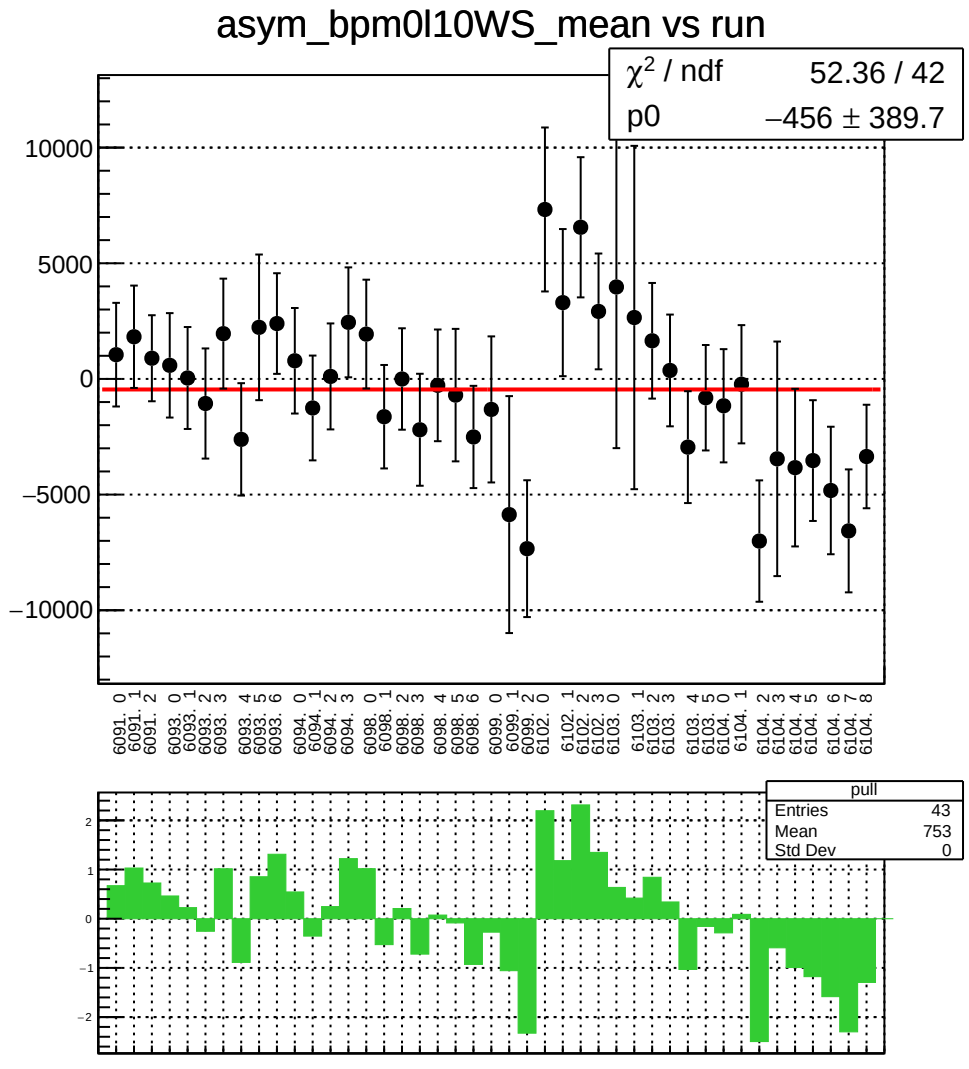

pull1D
Entries 43
Mean −0.01591
Std Dev 1.04
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

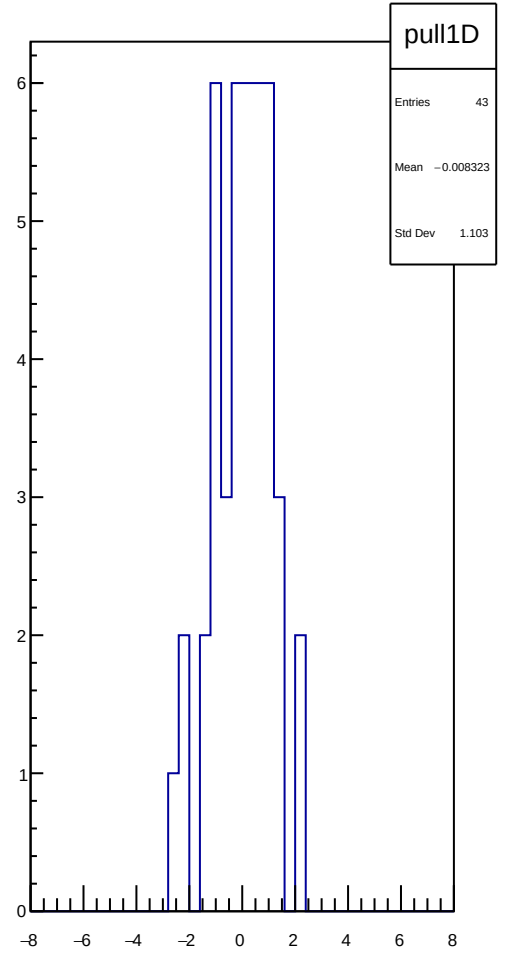

asym_bpm0l08WS_rms vs run
χ² / ndf 3.978e+04 / 42
p0 239.6 ± 0.2699
700
600
500
400
300
200
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

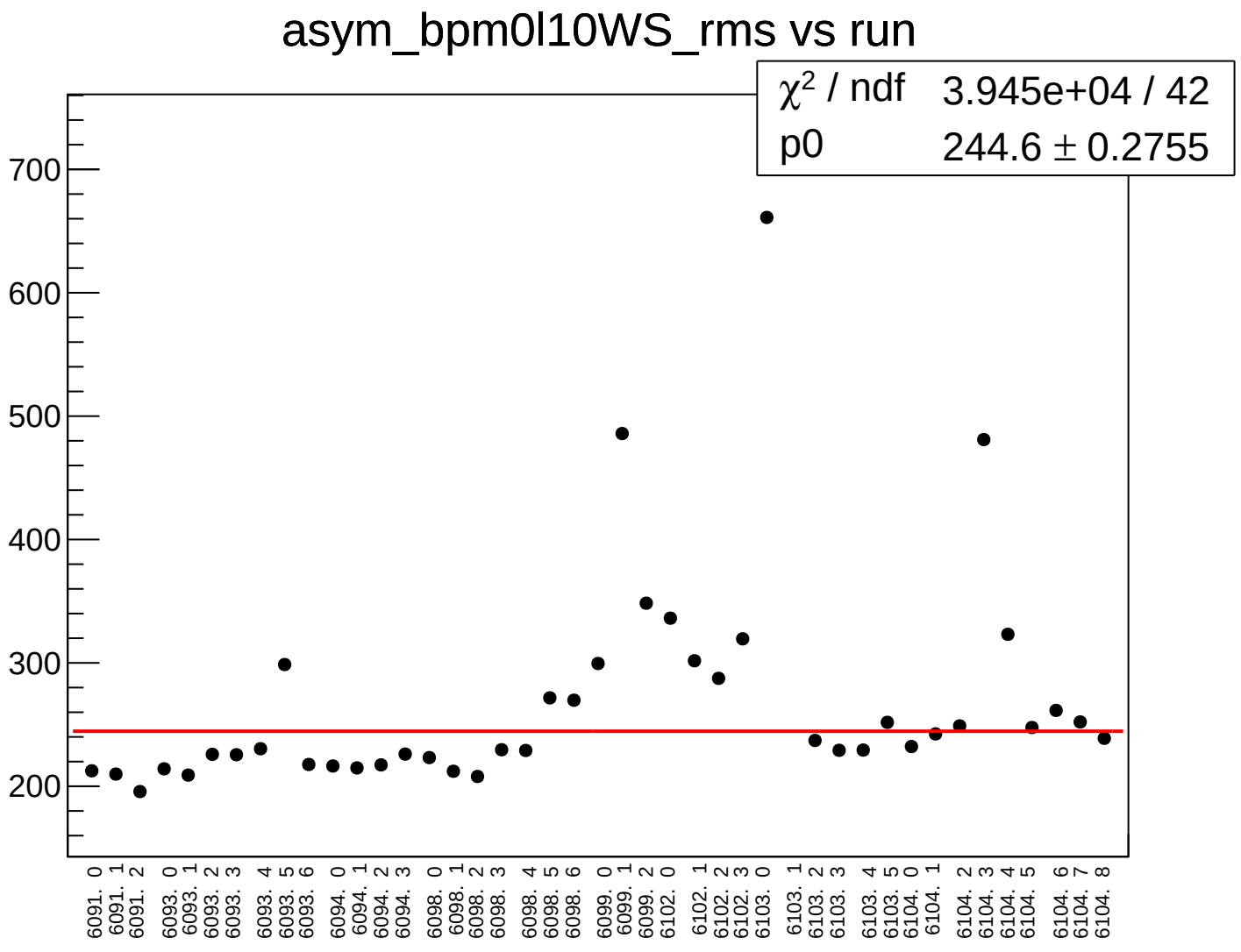

asym_bpm0l09WS_mean vs run
χ² / ndf 46.24 / 42
p0 −516 ± 385.9
10000
5000
0
−5000
−10000
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 377.4
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

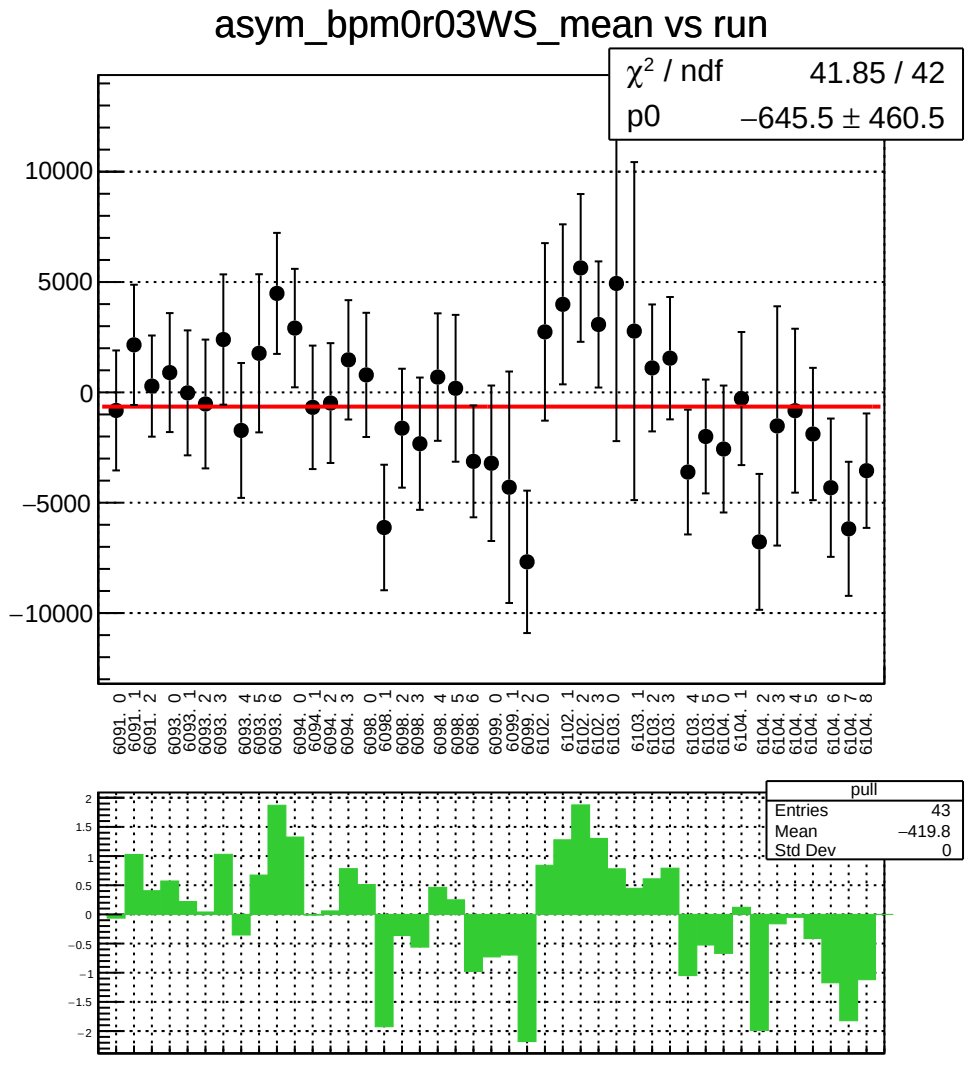

pull1D
Entries 43
Mean −0.01624
Std Dev 1.037
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

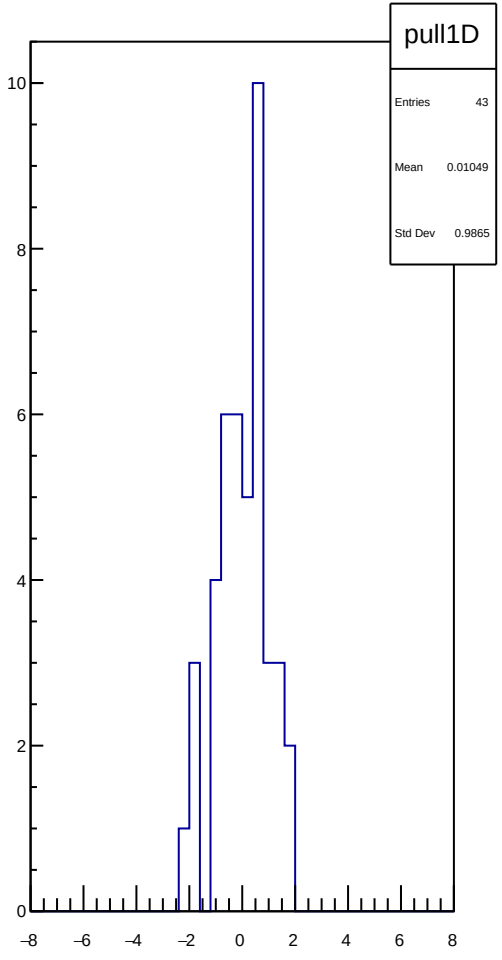

asym_bpm0l09WS_rms vs run
χ² / ndf 3.921e+04 / 42
p0 242.3 ± 0.2729
700
600
500
400
300
200
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

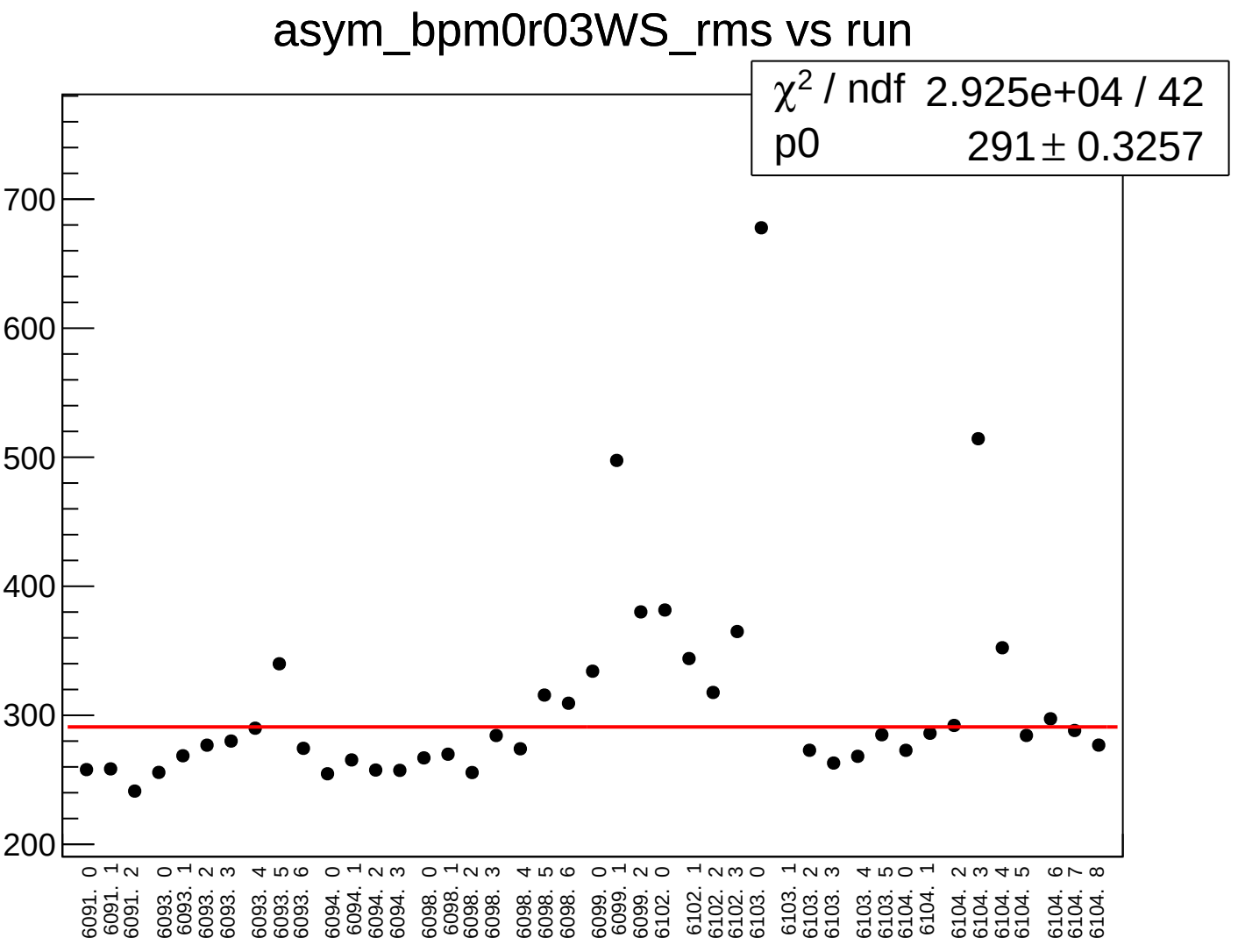

asym_bpm0l10WS_mean vs run
χ² / ndf 52.36 / 42
p0 −456 ± 389.7
10000
5000
0
−5000
−10000
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 753
Std Dev 0
2
1
0
−1
−2

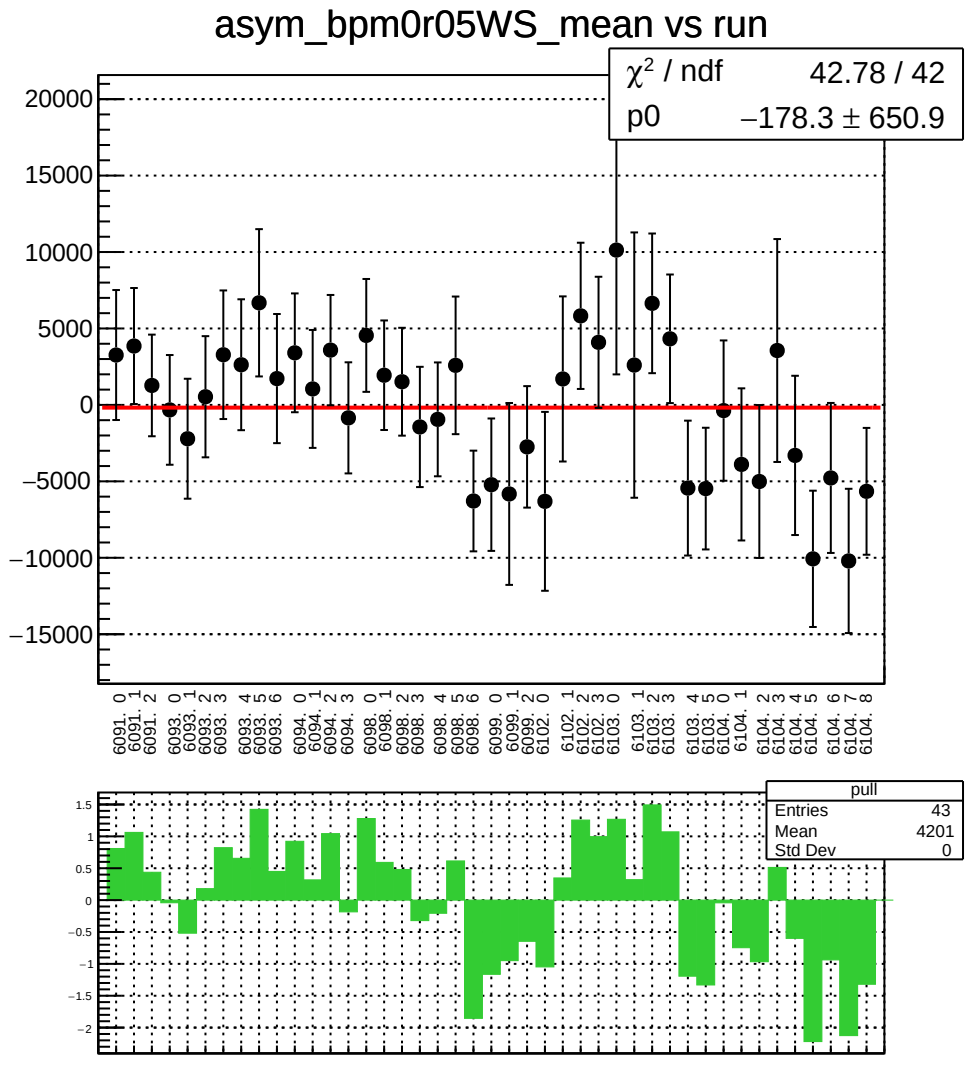

pull1D
Entries 43
Mean −0.008323
Std Dev 1.103
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

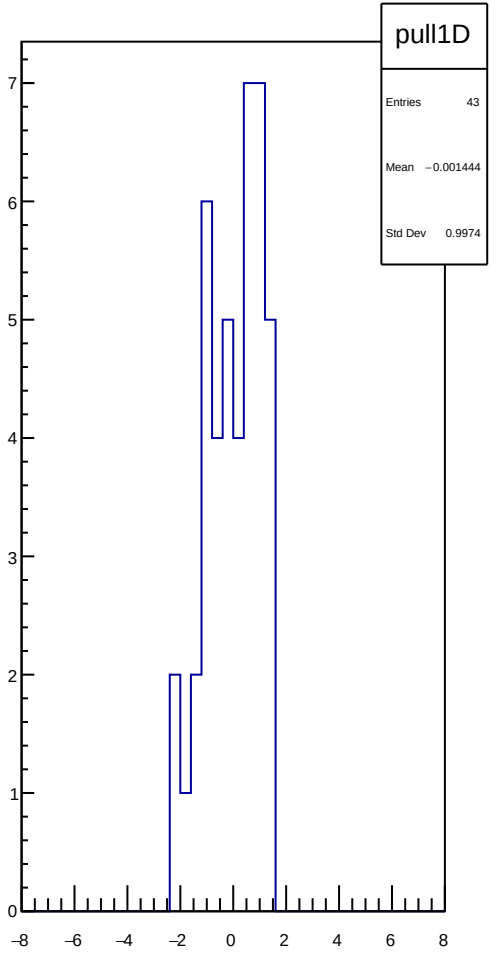

asym_bpm0l10WS_rms vs run
χ² / ndf 3.945e+04 / 42
p0 244.6 ± 0.2755
700
600
500
400
300
200
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

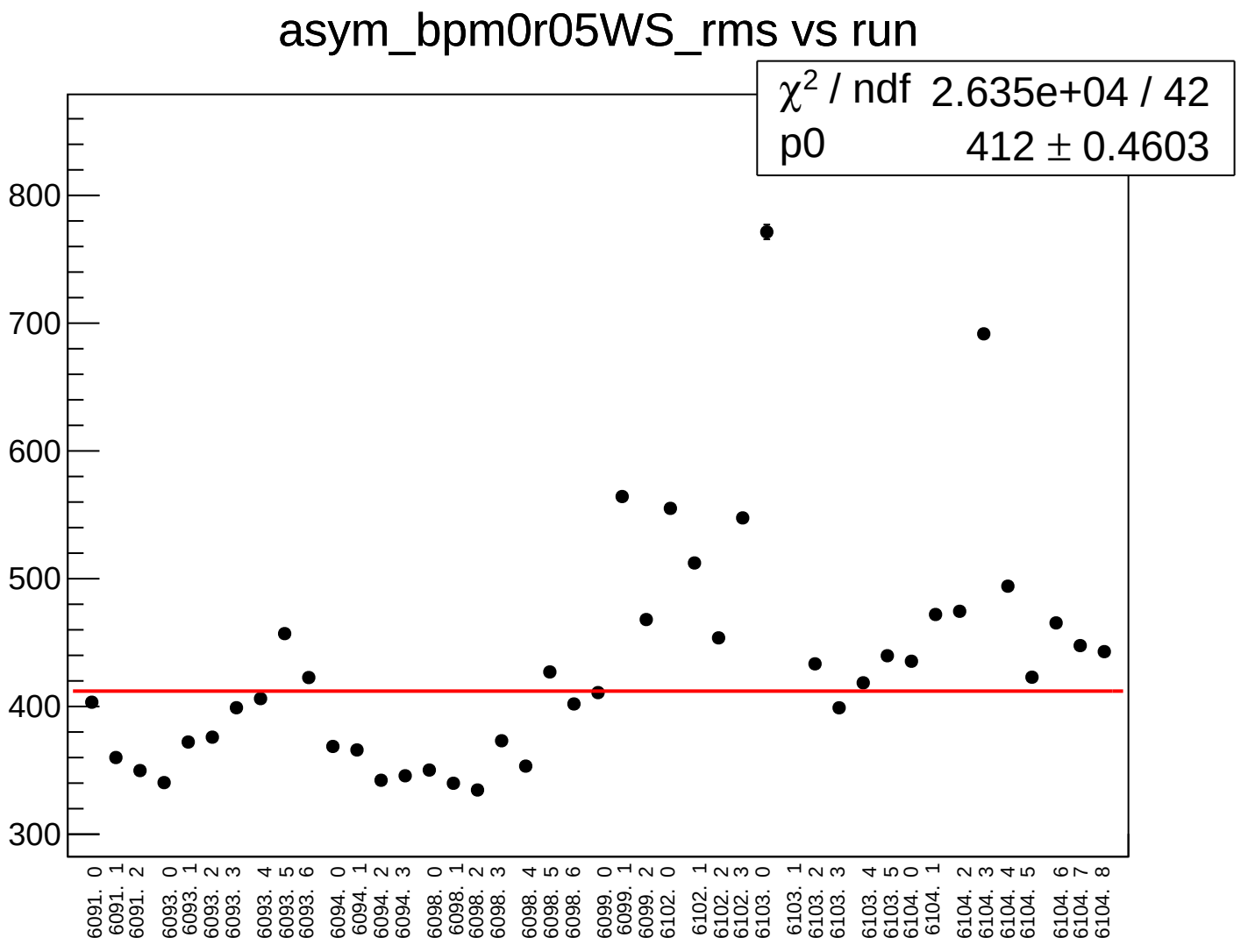

asym_bpm0r03WS_mean vs run
χ² / ndf 41.85 / 42
p0 −645.5 ± 460.5
10000
5000
0
−5000
−10000
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean −419.8
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

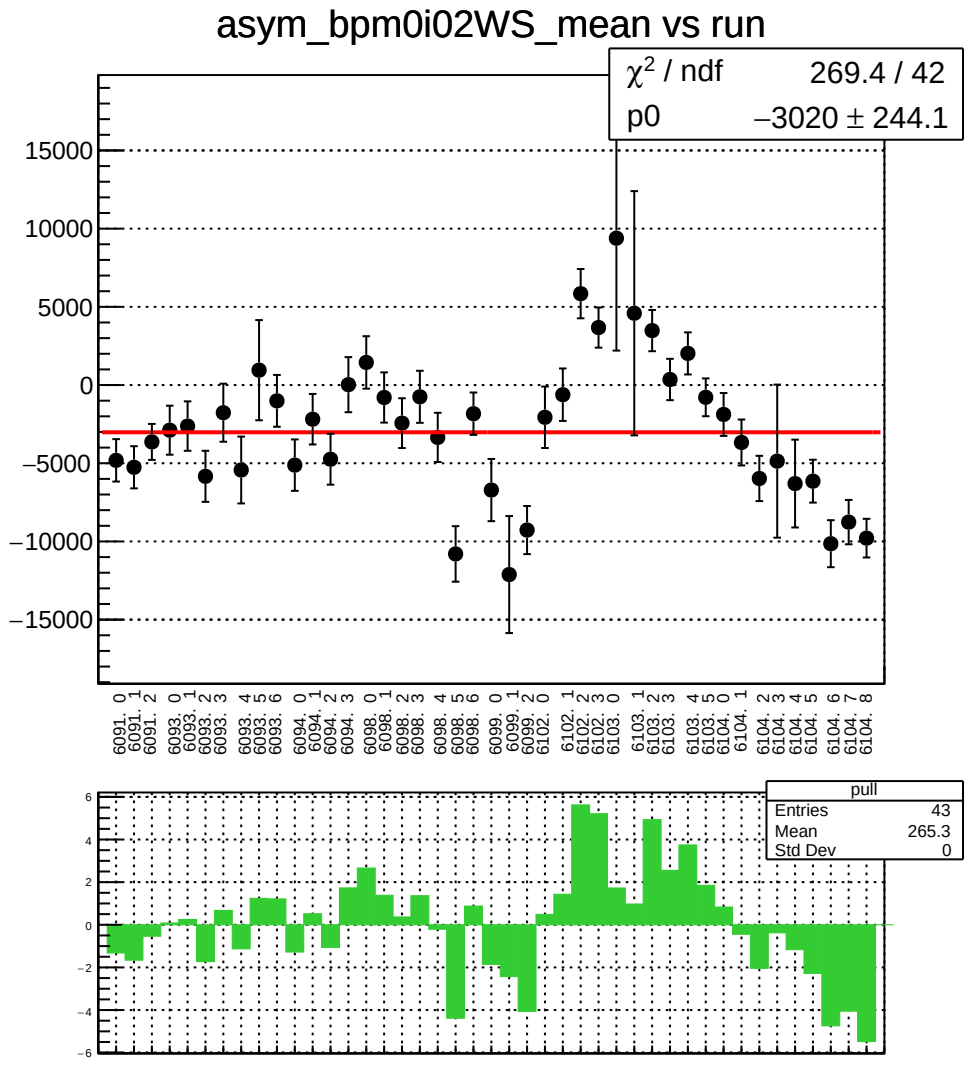

pull1D
Entries 43
Mean 0.01049
Std Dev 0.9865
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

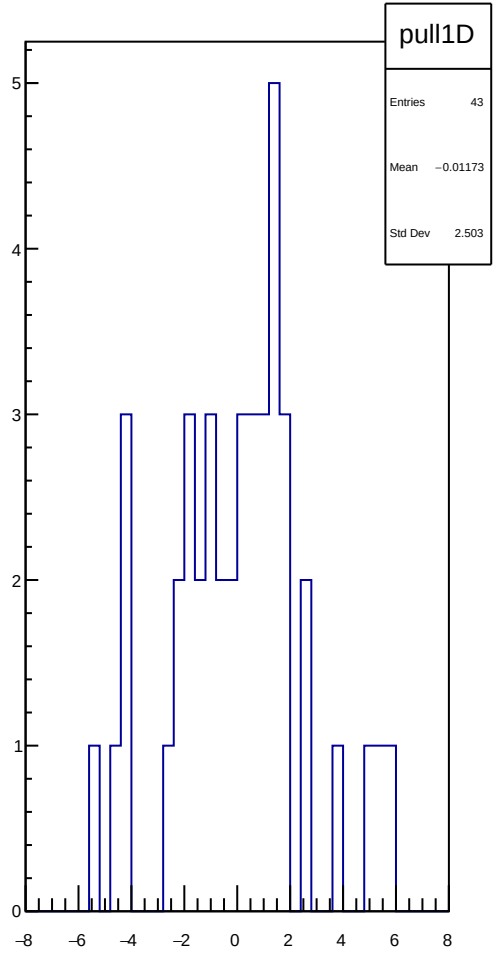

asym_bpm0r03WS_rms vs run
χ² / ndf 2.925e+04 / 42
p0 291 ± 0.3257
700
600
500
400
300
200
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

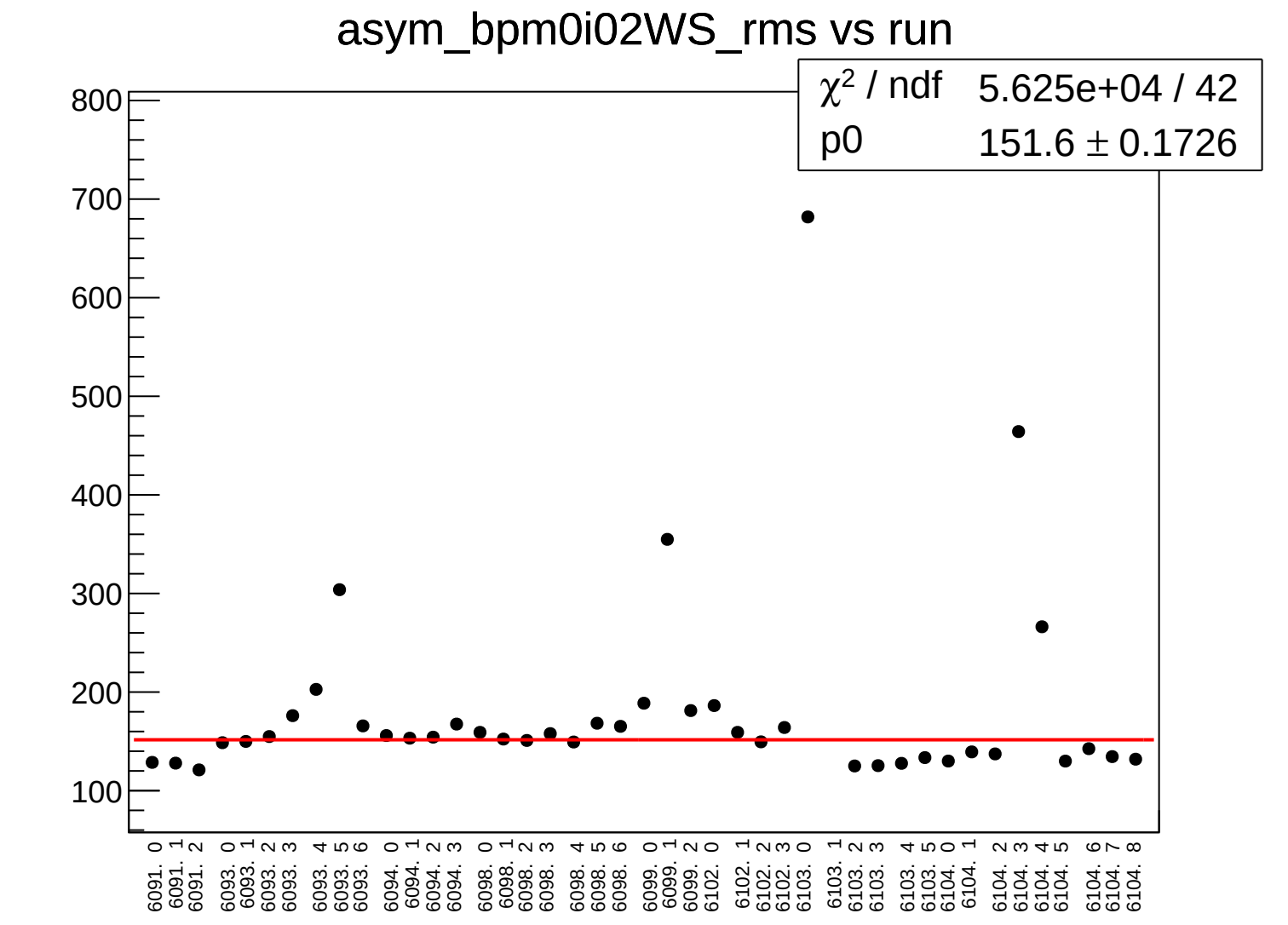

asym_bpm0r05WS_mean vs run
χ² / ndf 42.78 / 42
p0 −178.3 ± 650.9
20000
15000
10000
5000
0
−5000
−10000
−15000
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 4201
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2

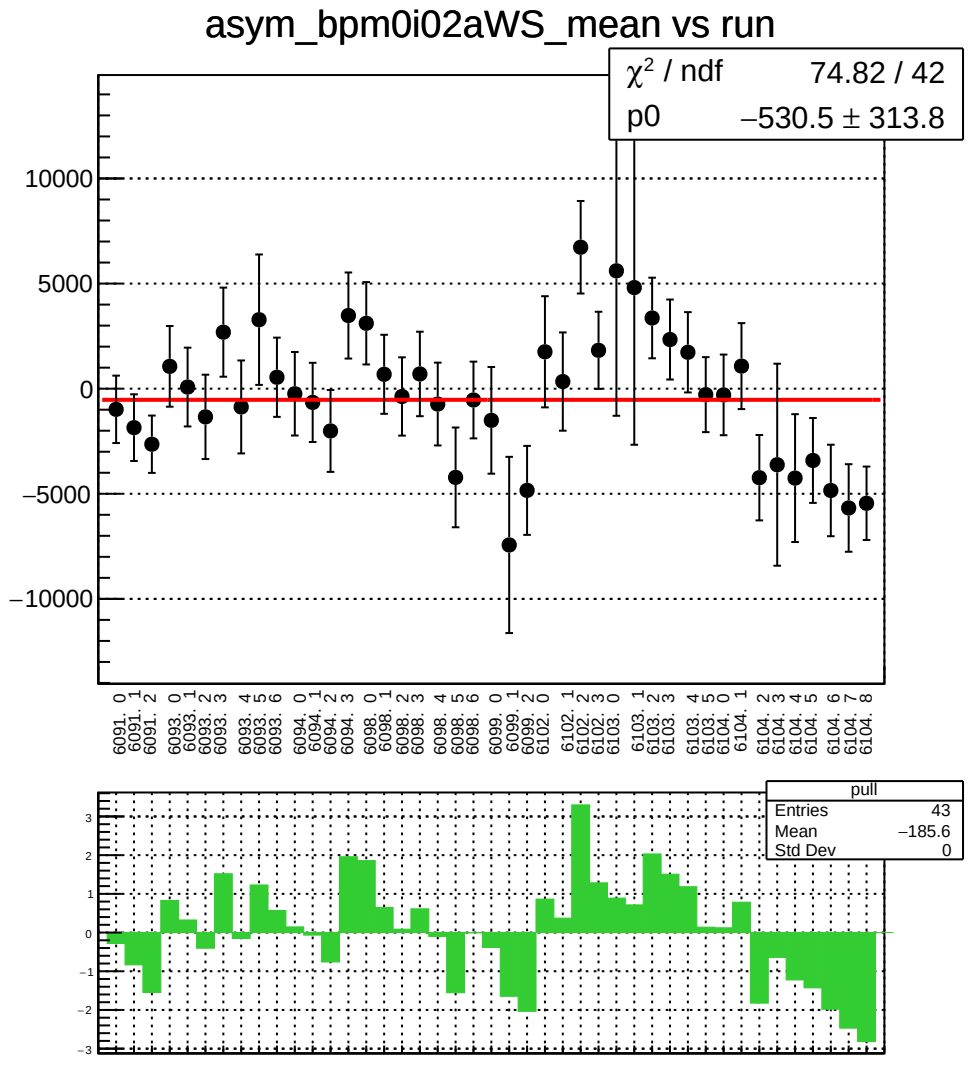

pull1D
Entries 43
Mean −0.001444
Std Dev 0.9974
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

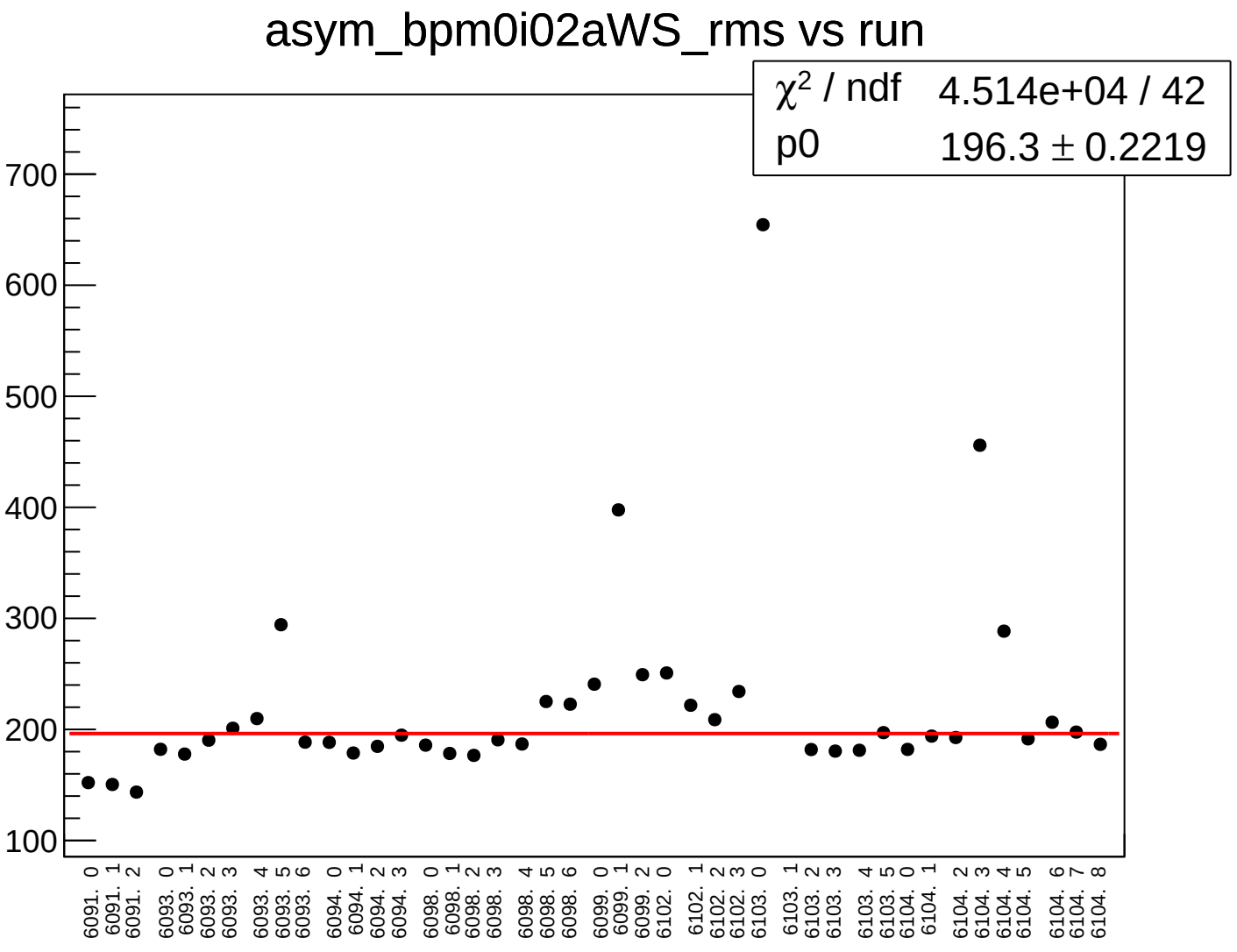

asym_bpm0r05WS_rms vs run
χ² / ndf 2.635e+04 / 42
p0 412 ± 0.4603
800
700
600
500
400
300
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

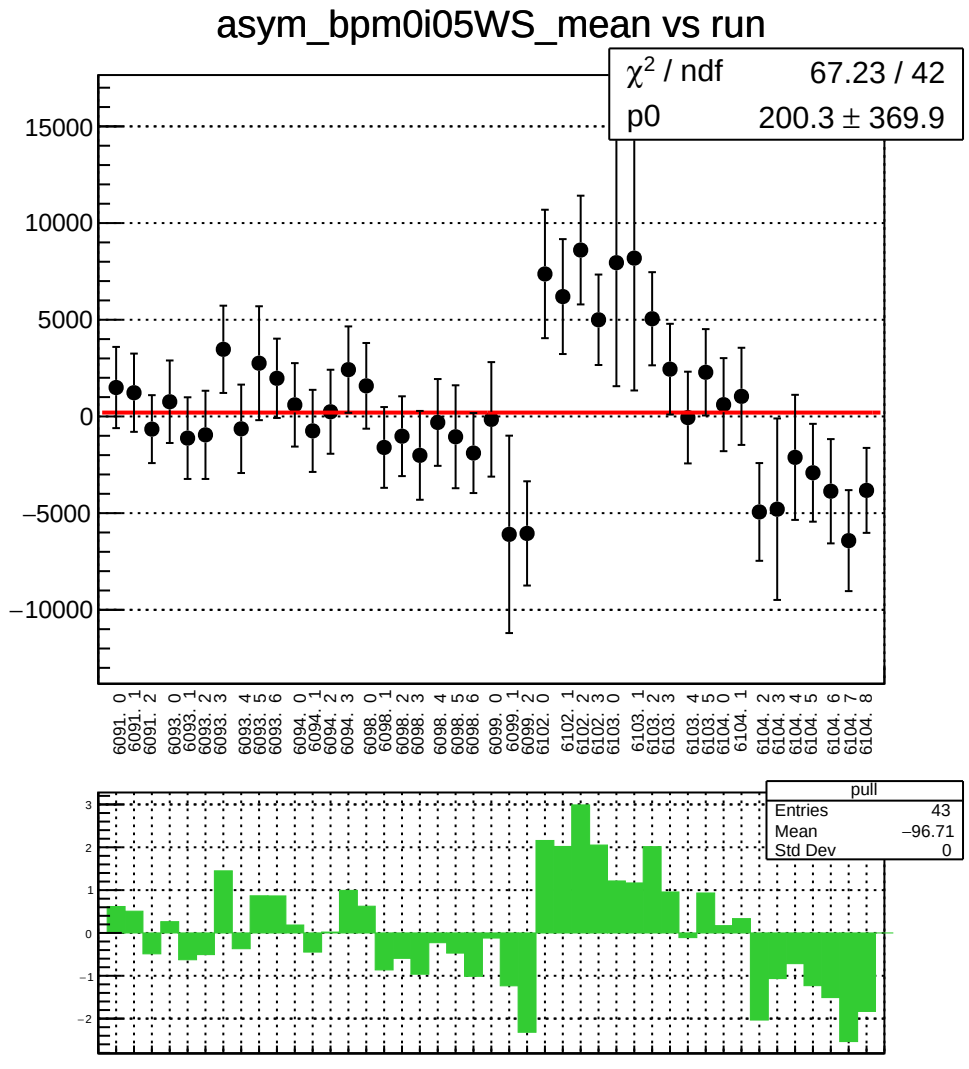

asym_bpm0i02WS_mean vs run
χ² / ndf 269.4 / 42
p0 −3020 ± 244.1
15000
10000
5000
0
−5000
−10000
−15000
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 265.3
Std Dev 0
6
4
2
0
−2
−4
−6

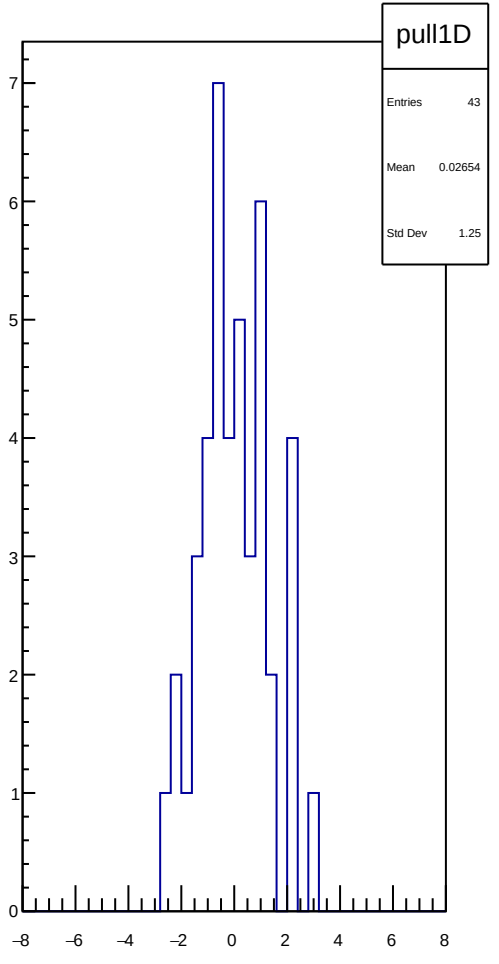

pull1D
Entries 43
Mean −0.01173
Std Dev 2.503
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

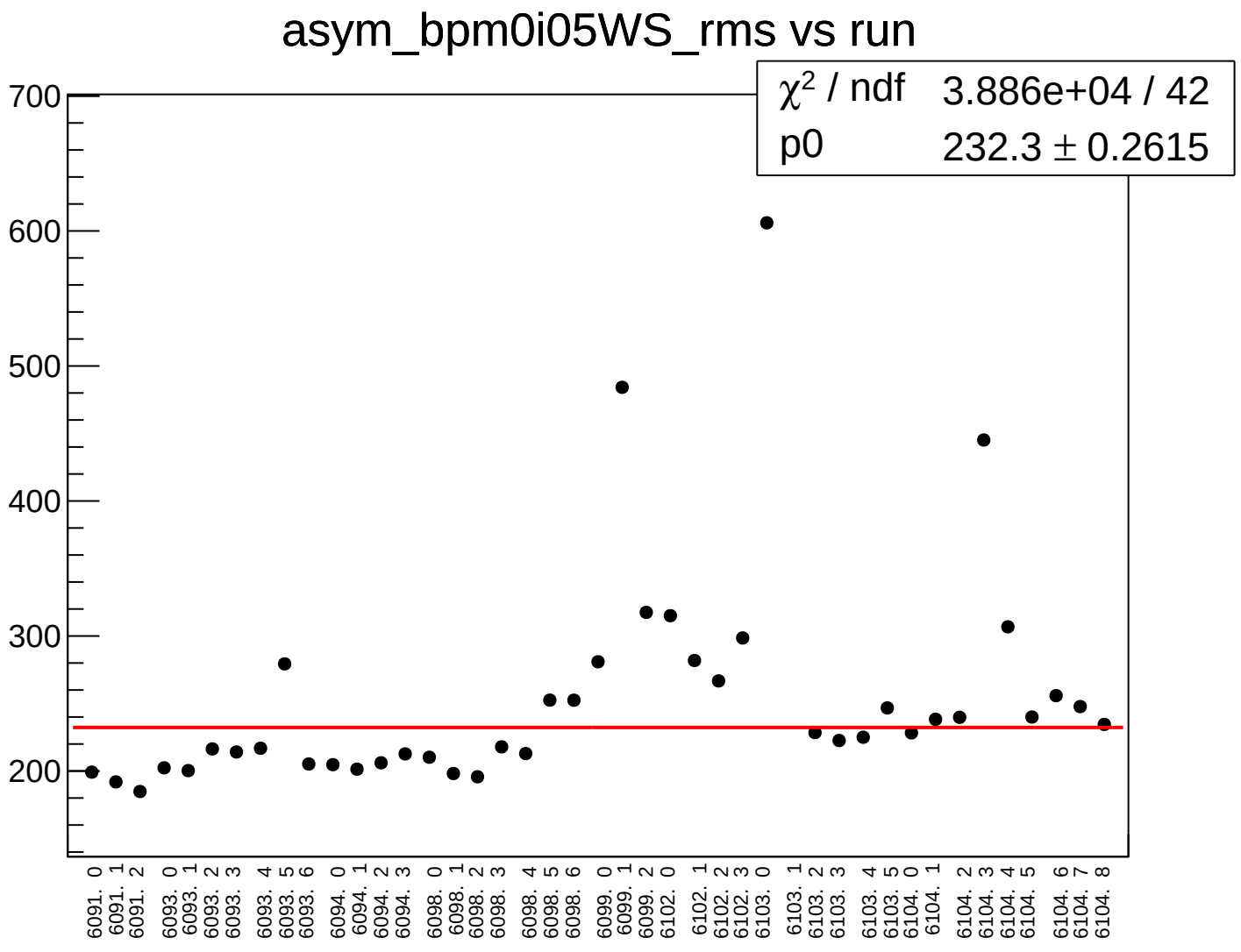

asym_bpm0i02WS_rms vs run
χ² / ndf 5.625e+04 / 42
p0 151.6 ± 0.1726
800
700
600
500
400
300
200
100
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

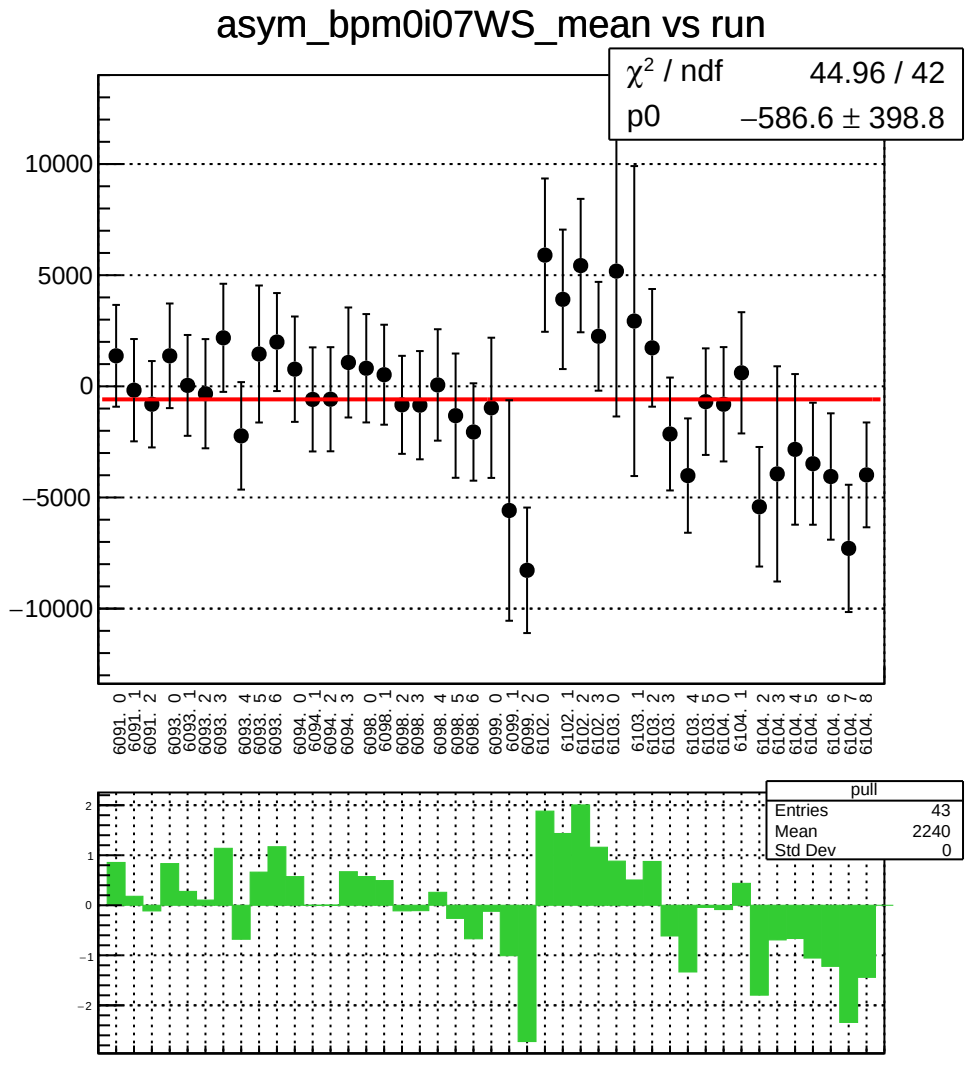

asym_bpm0i02aWS_mean vs run
χ² / ndf 74.82 / 42
p0 −530.5 ± 313.8
10000
5000
0
−5000
−10000
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean −185.6
Std Dev 0
3
2
1
0
−1
−2
−3
pull1D
Entries 43
Mean 0.01873
Std Dev 1.319
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

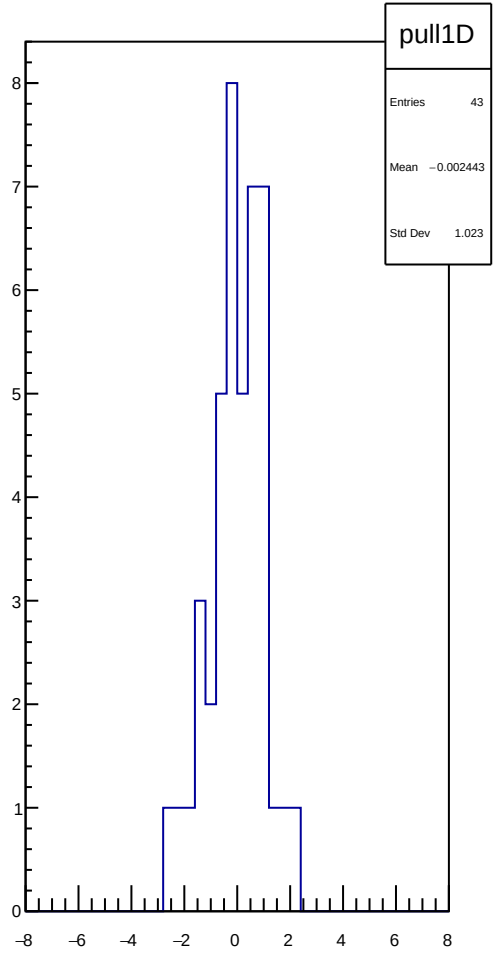

asym_bpm0i02aWS_rms vs run
χ² / ndf 4.514e+04 / 42
p0 196.3 ± 0.2219
700
600
500
400
300
200
100
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

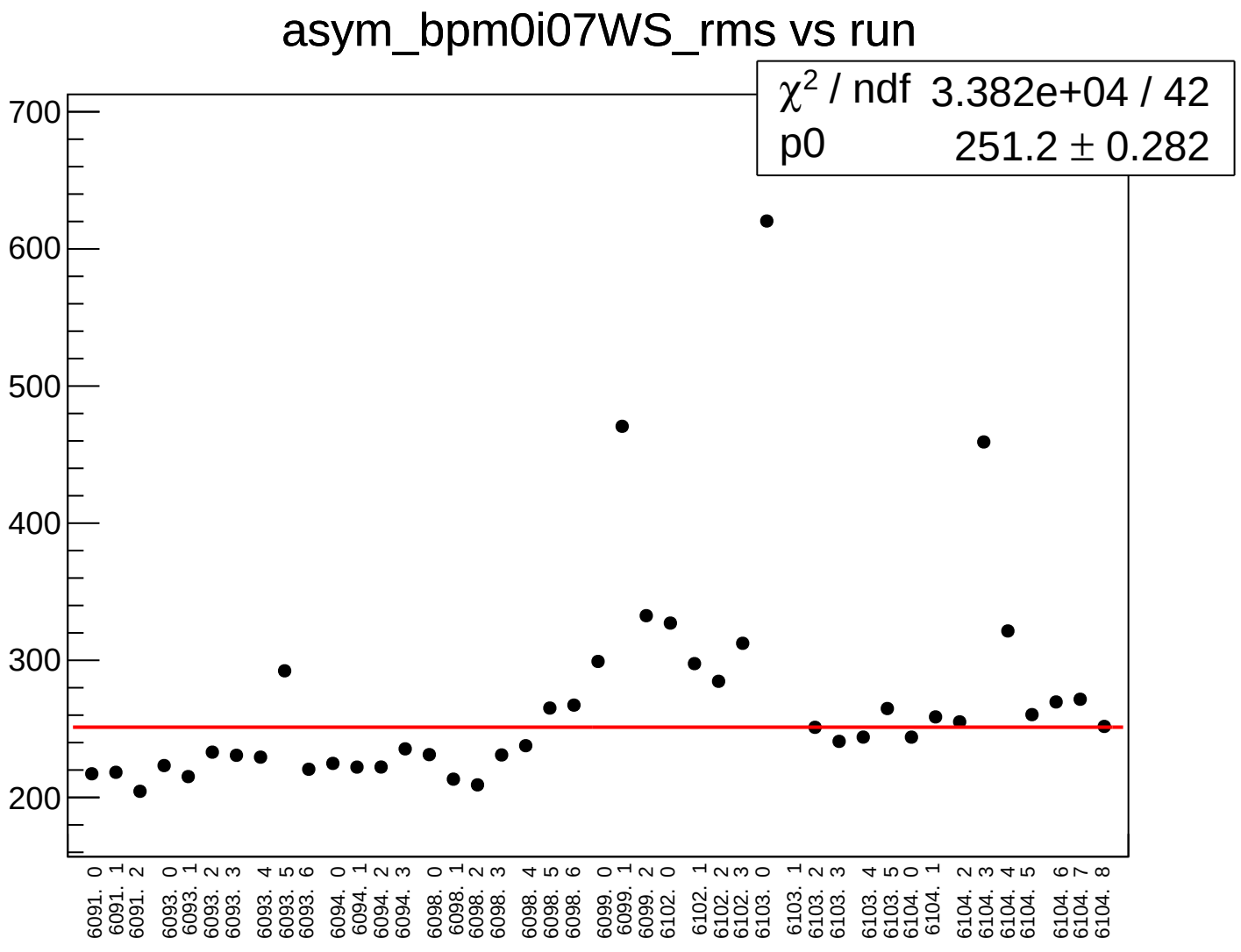

asym_bpm0i05WS_mean vs run
χ² / ndf 67.23 / 42
p0 200.3 ± 369.9
15000
10000
5000
0
−5000
−10000
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean −96.71
Std Dev 0
3
2
1
0
−1
−2

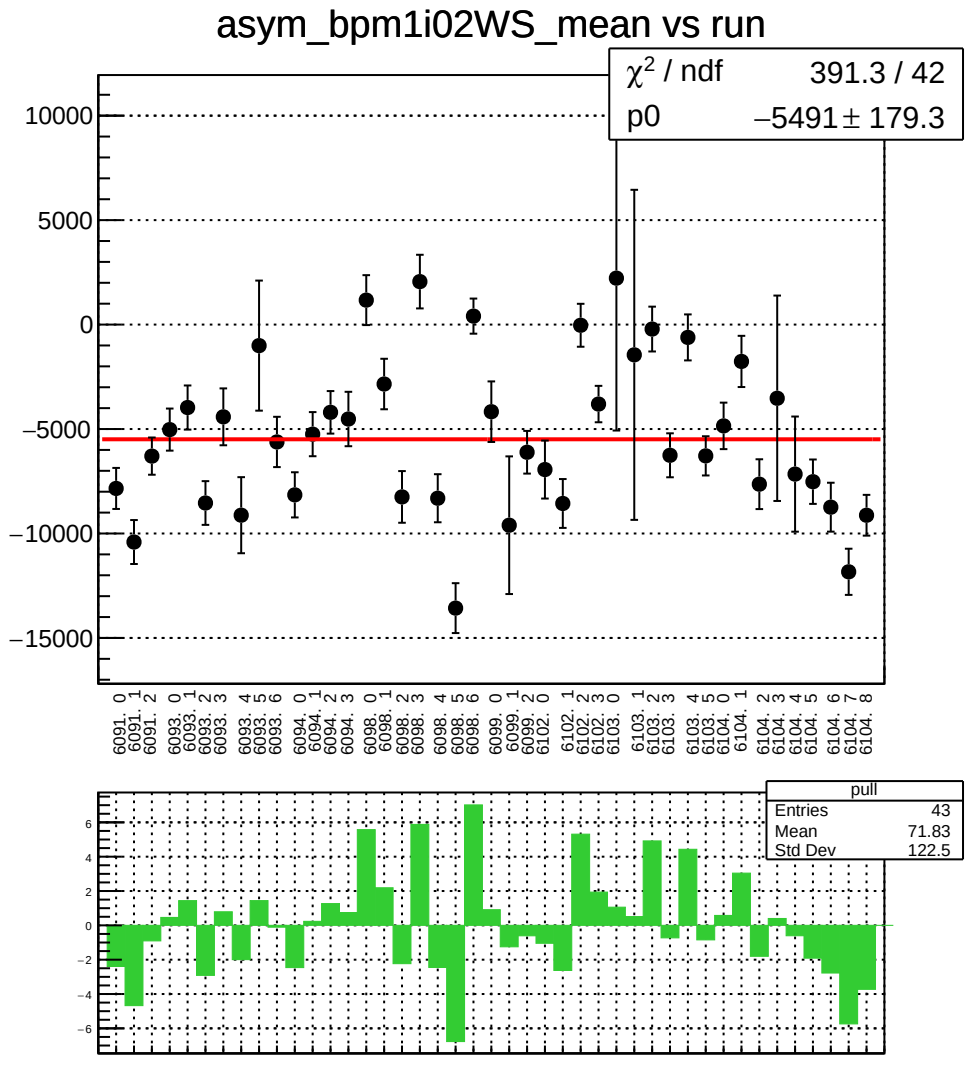

pull1D
Entries 43
Mean 0.02654
Std Dev 1.25
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

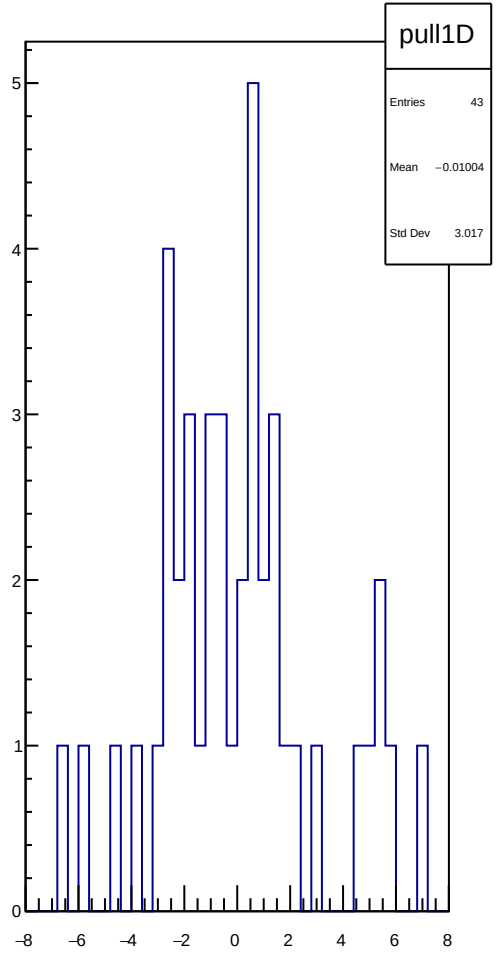

asym_bpm0i05WS_rms vs run
χ² / ndf 3.886e+04 / 42
p0 232.3 ± 0.2615
700
600
500
400
300
200
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

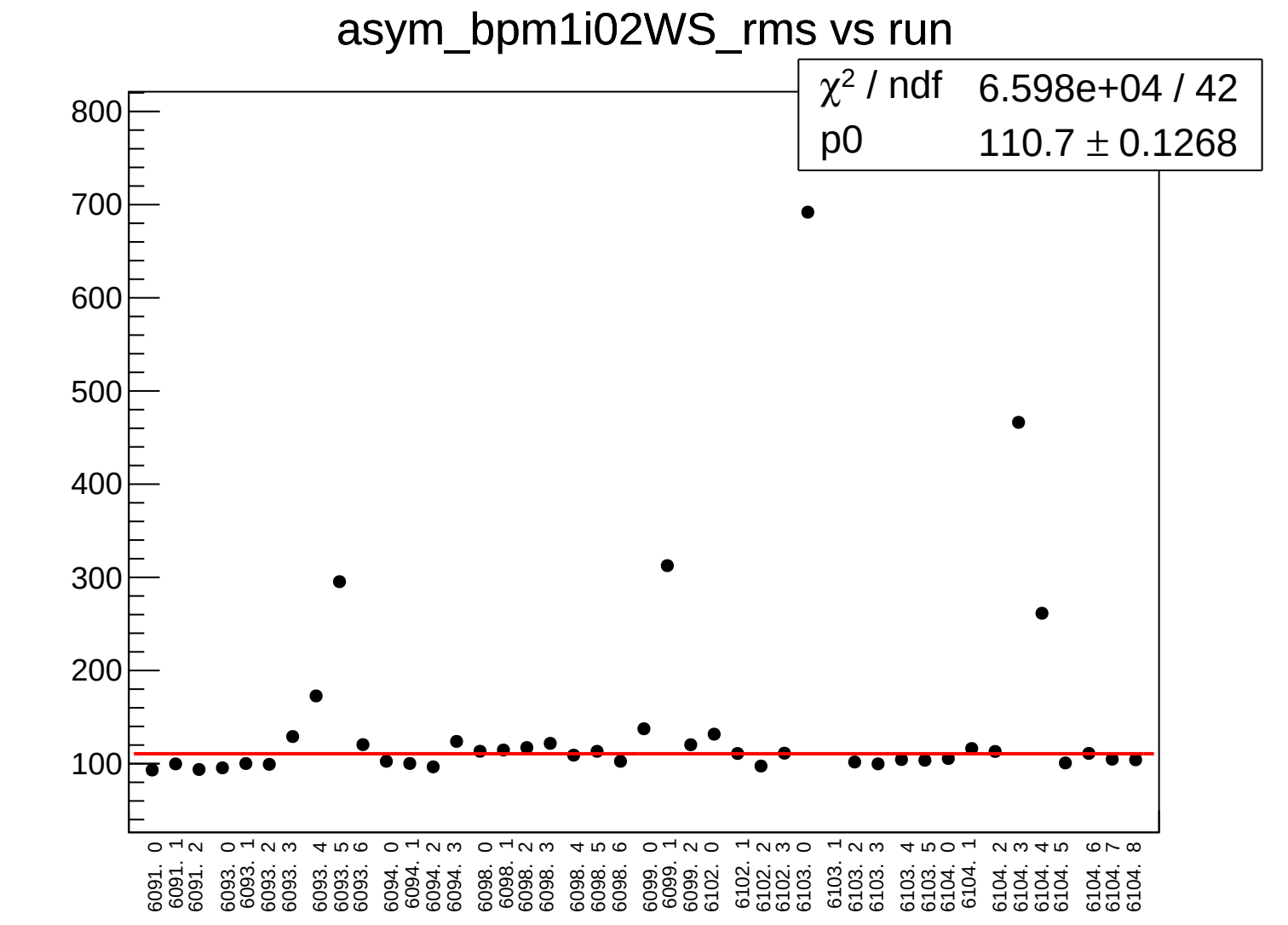

asym_bpm0i07WS_mean vs run
χ² / ndf 44.96 / 42
p0 −586.6 ± 398.8
10000
5000
0
−5000
−10000
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 2240
Std Dev 0
2
1
0
−1
−2

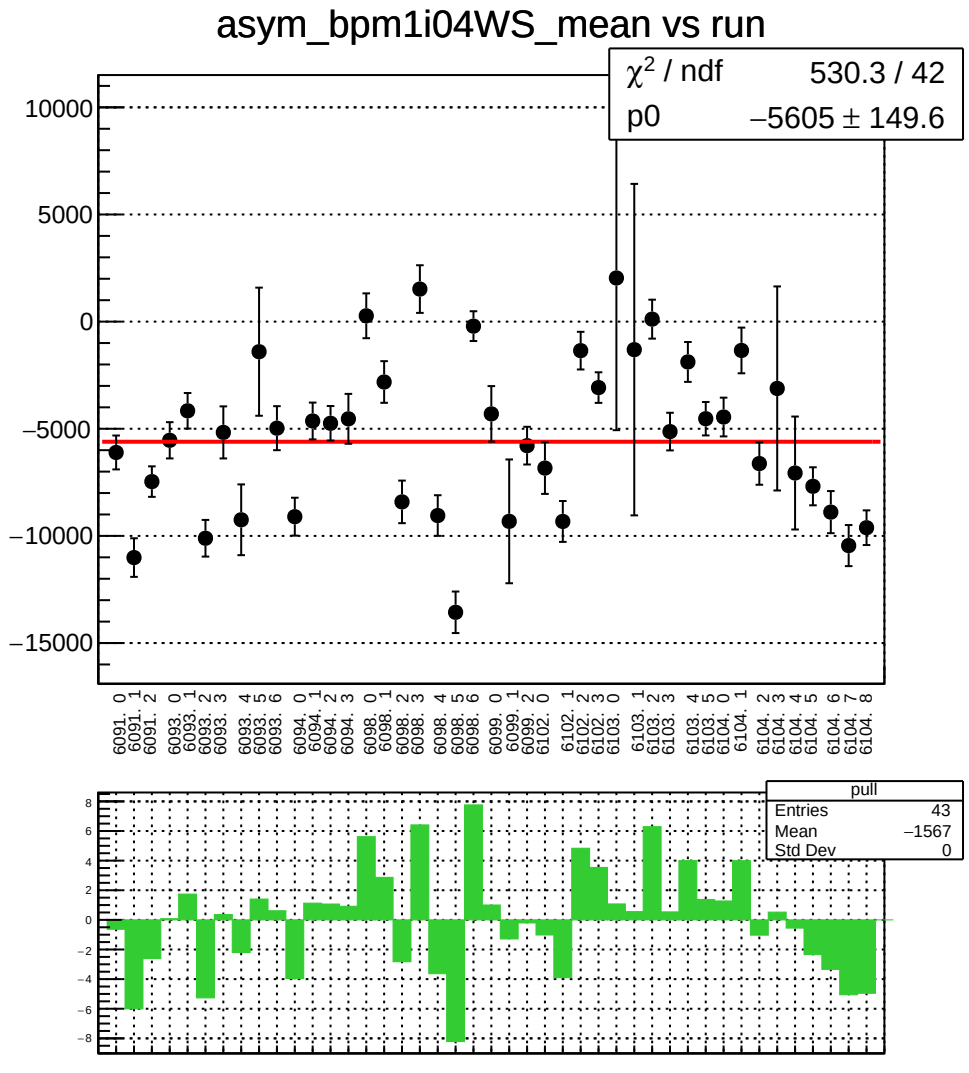

pull1D
Entries 43
Mean −0.002443
Std Dev 1.023
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

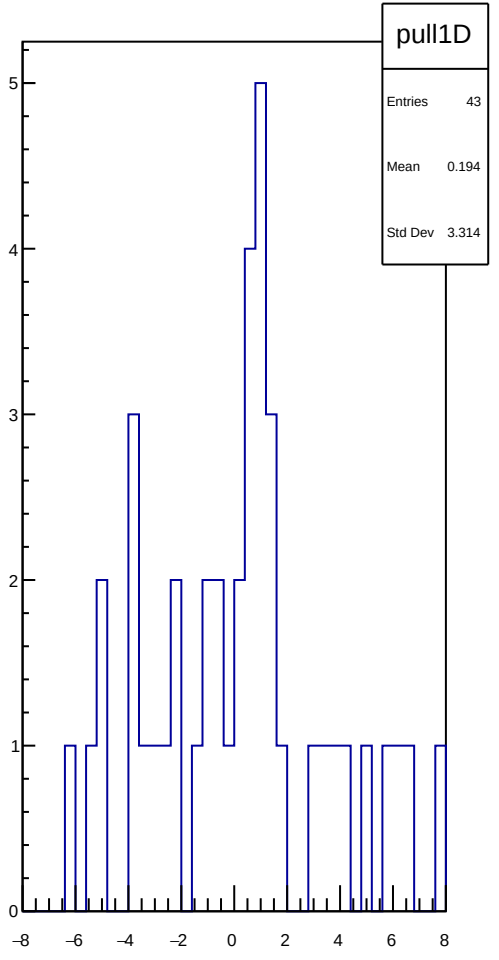

asym_bpm0i07WS_rms vs run
χ² / ndf 3.382e+04 / 42
p0 251.2 ± 0.282
700
600
500
400
300
200
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

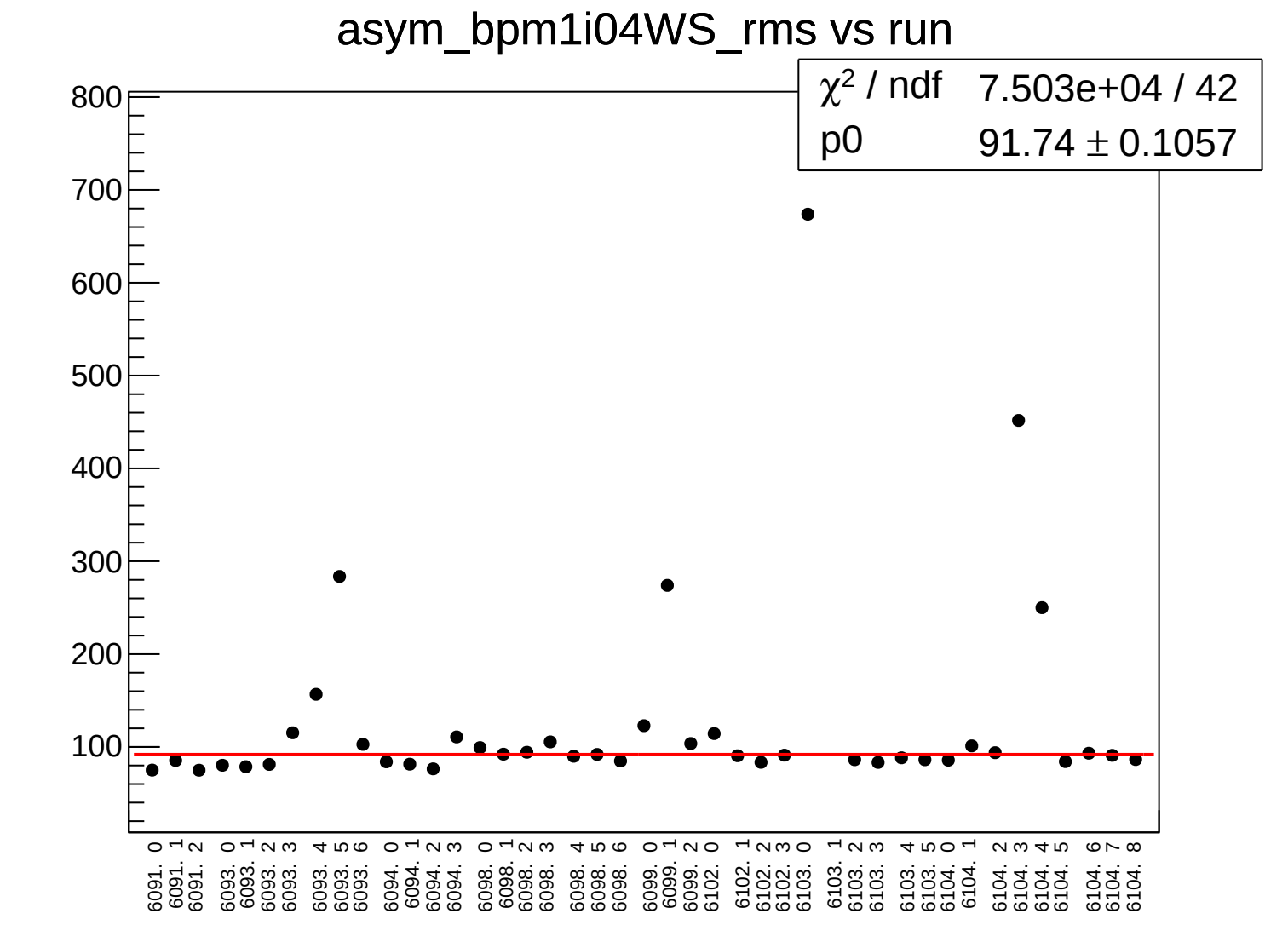

asym_bpm1i02WS_mean vs run
χ² / ndf 391.3 / 42
p0 −5491 ± 179.3
10000
5000
0
−5000
−10000
−15000
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 71.83
Std Dev 122.5
6
4
2
0
−2
−4
−6

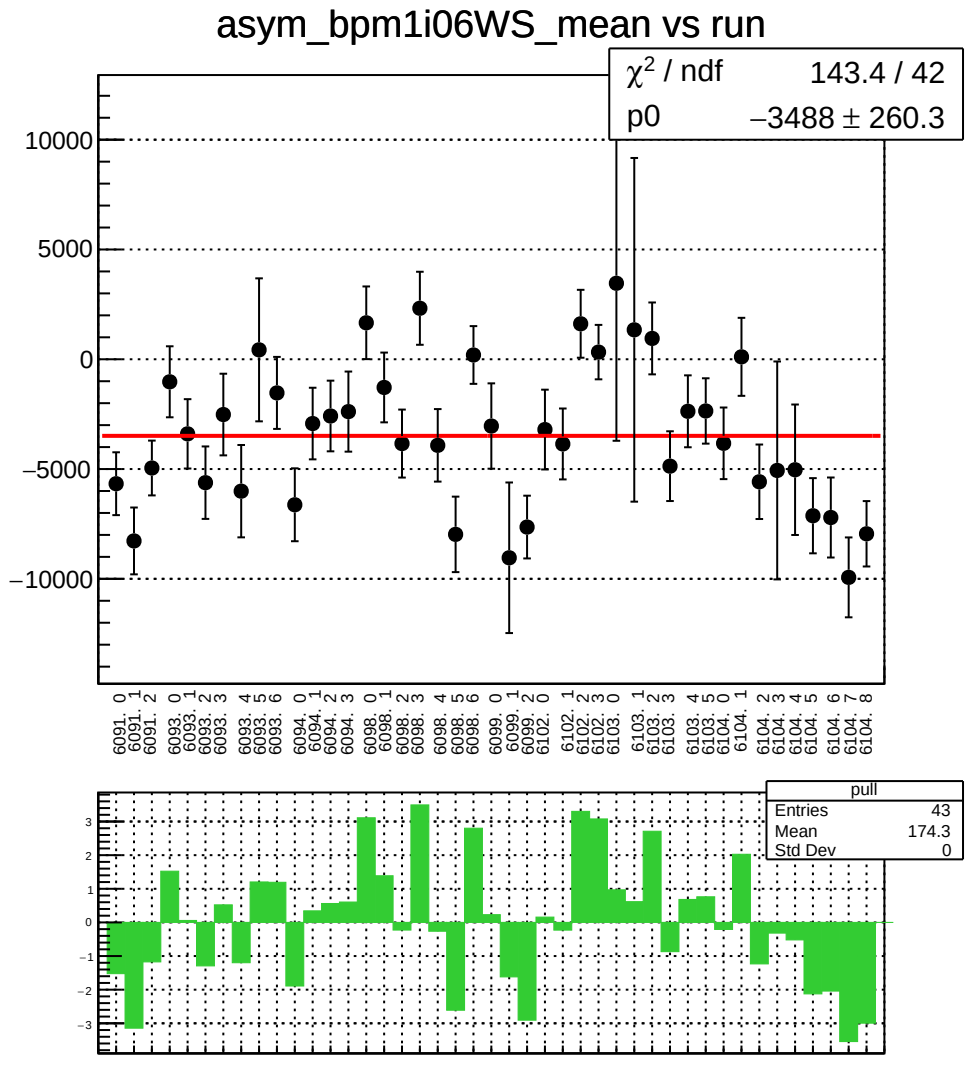

pull1D
Entries 43
Mean −0.01004
Std Dev 3.017
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

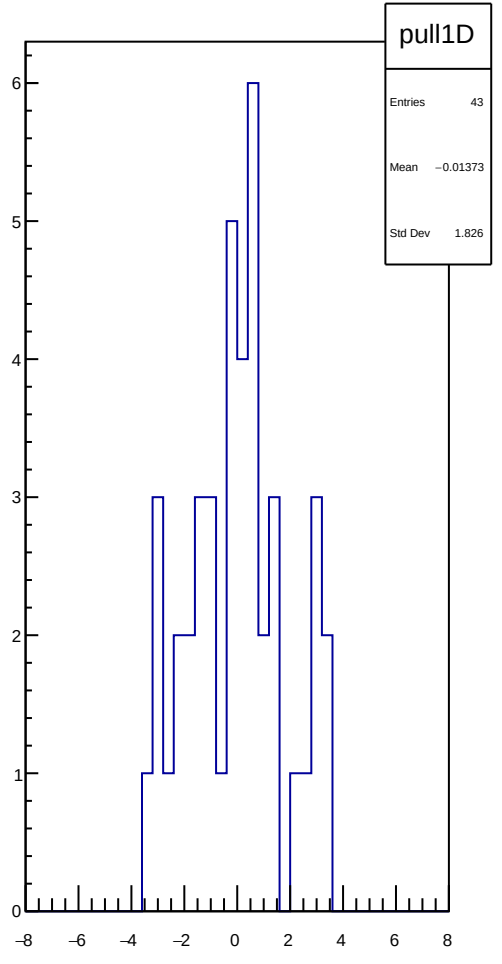

asym_bpm1i02WS_rms vs run
χ² / ndf 6.598e+04 / 42
p0 110.7 ± 0.1268
800
700
600
500
400
300
200
100
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

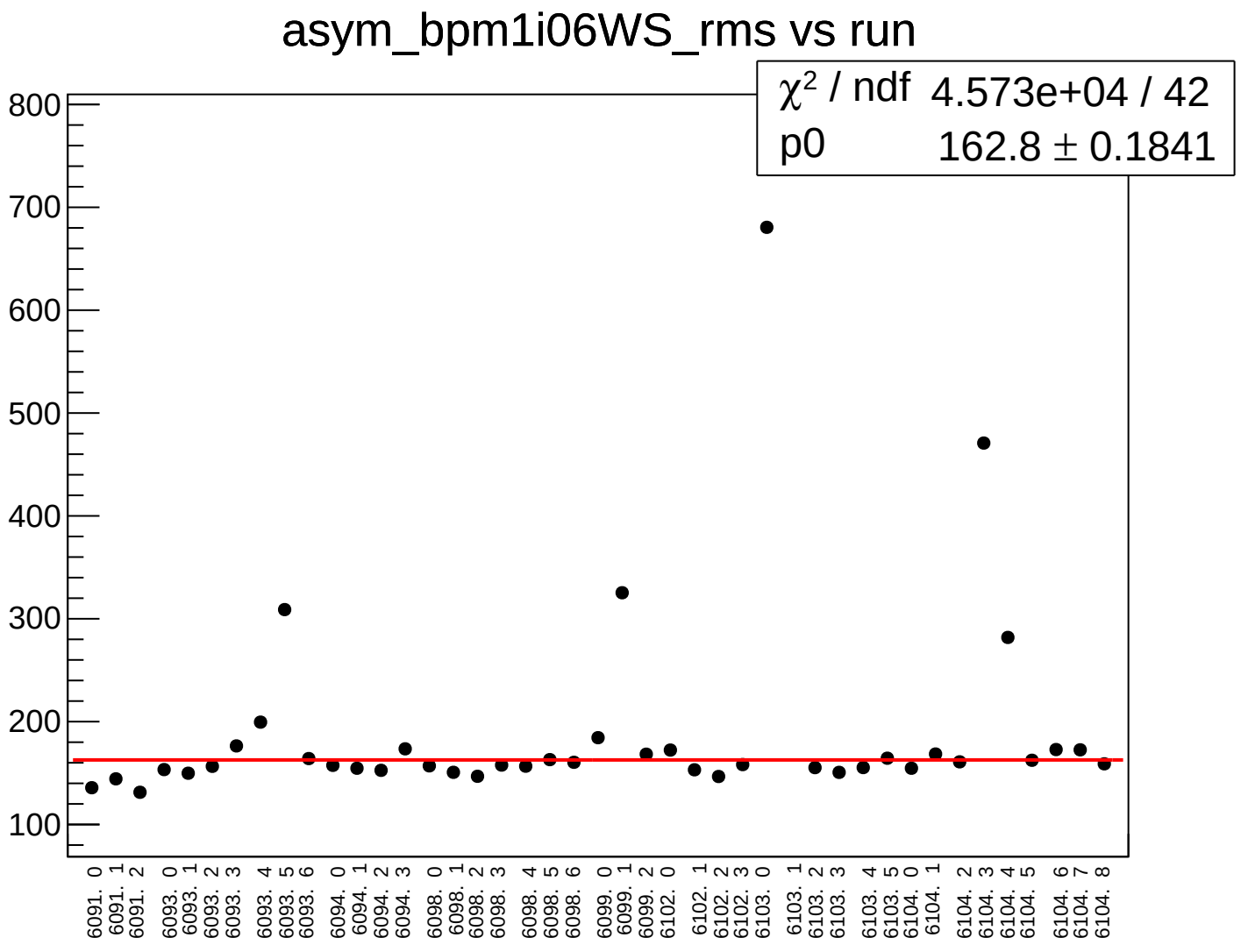

asym_bpm1i04WS_mean vs run
χ² / ndf 530.3 / 42
p0 −5605 ± 149.6
10000
5000
0
−5000
−10000
−15000
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean −1567
Std Dev 0
8
6
4
2
0
−2
−4
−6
−8

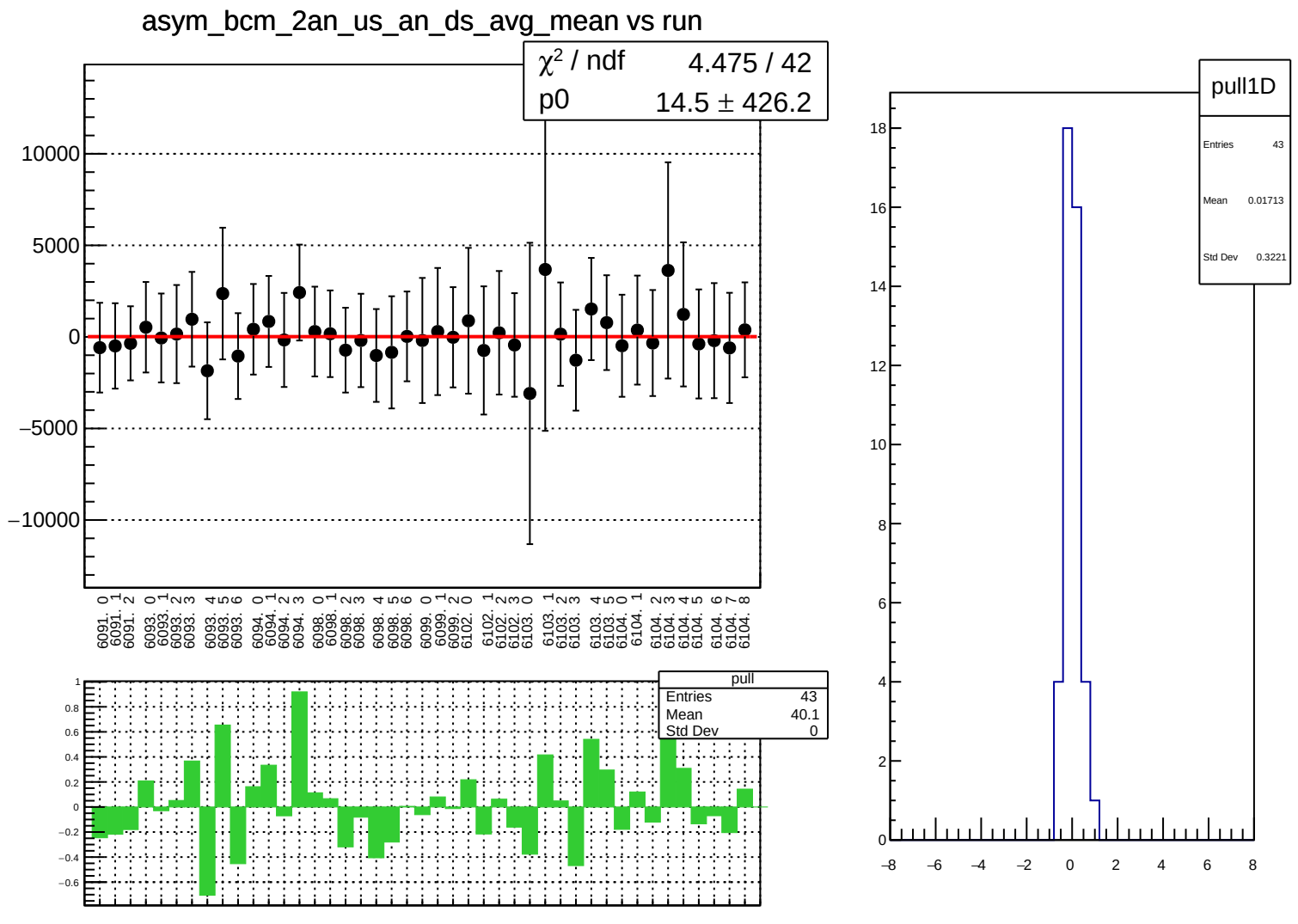

pull1D
Entries 43
Mean 0.194
Std Dev 3.314
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

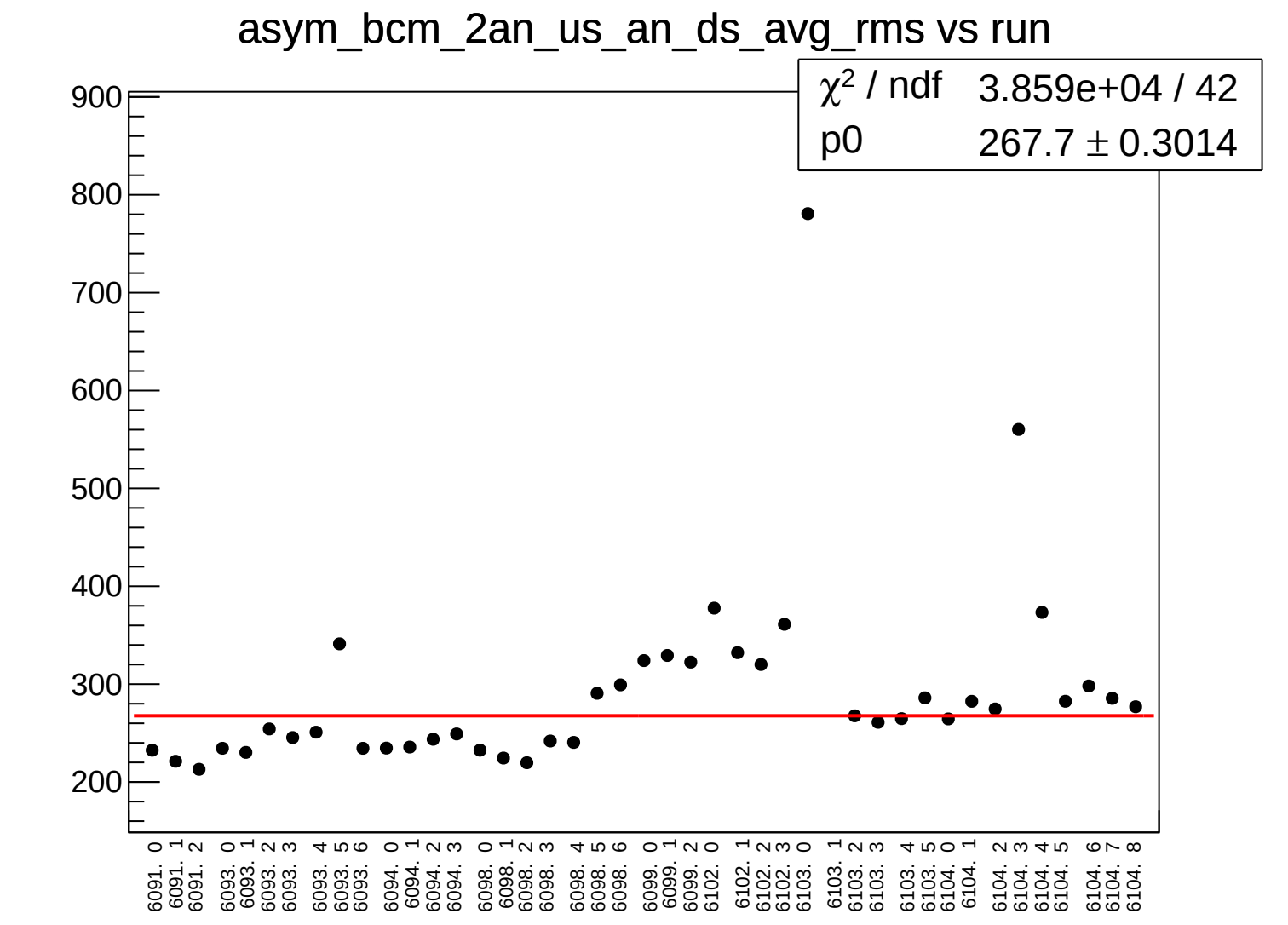

asym_bpm1i04WS_rms vs run
χ² / ndf 7.503e+04 / 42
p0 91.74 ± 0.1057
800
700
600
500
400
300
200
100
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

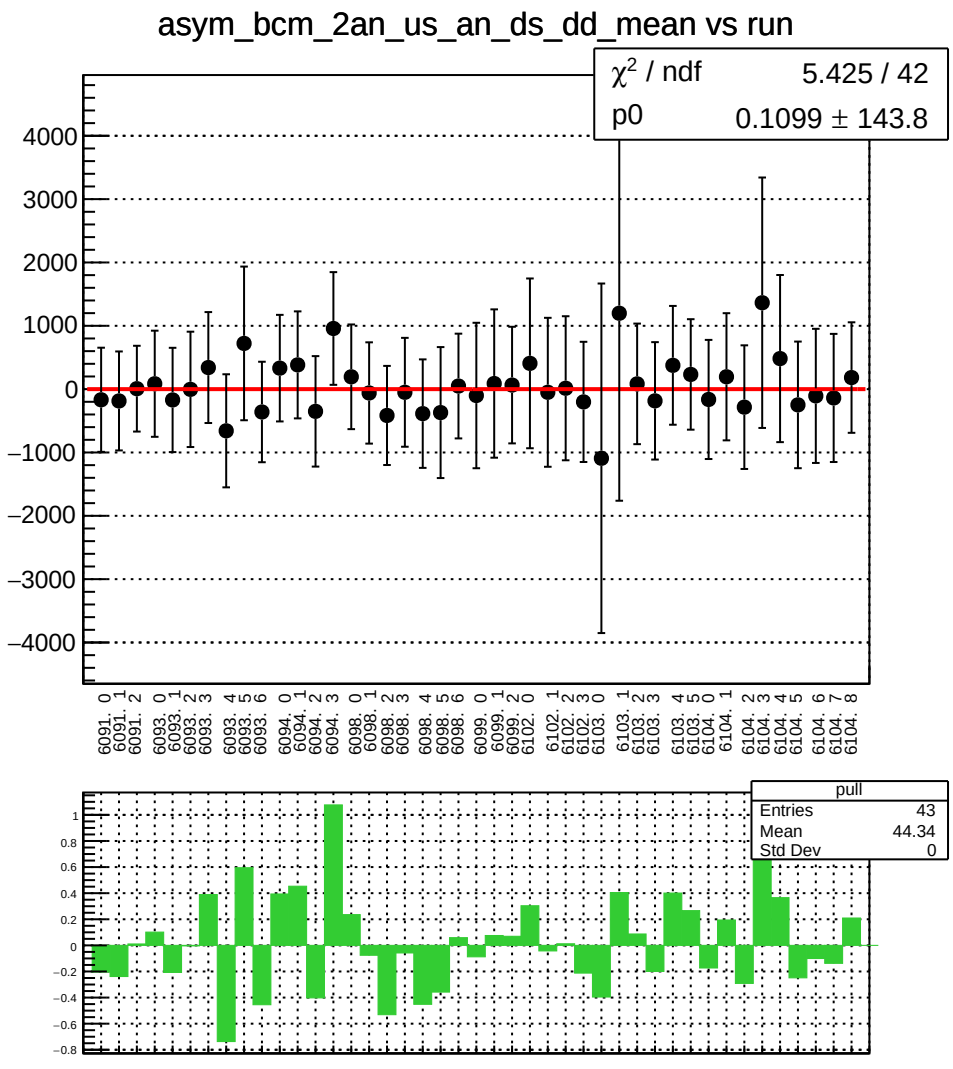

asym_bpm1i06WS_mean vs run
χ² / ndf 143.4 / 42
p0 −3488 ± 260.3
10000
5000
0
−5000
−10000
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 174.3
Std Dev 0
3
2
1
0
−1
−2
−3

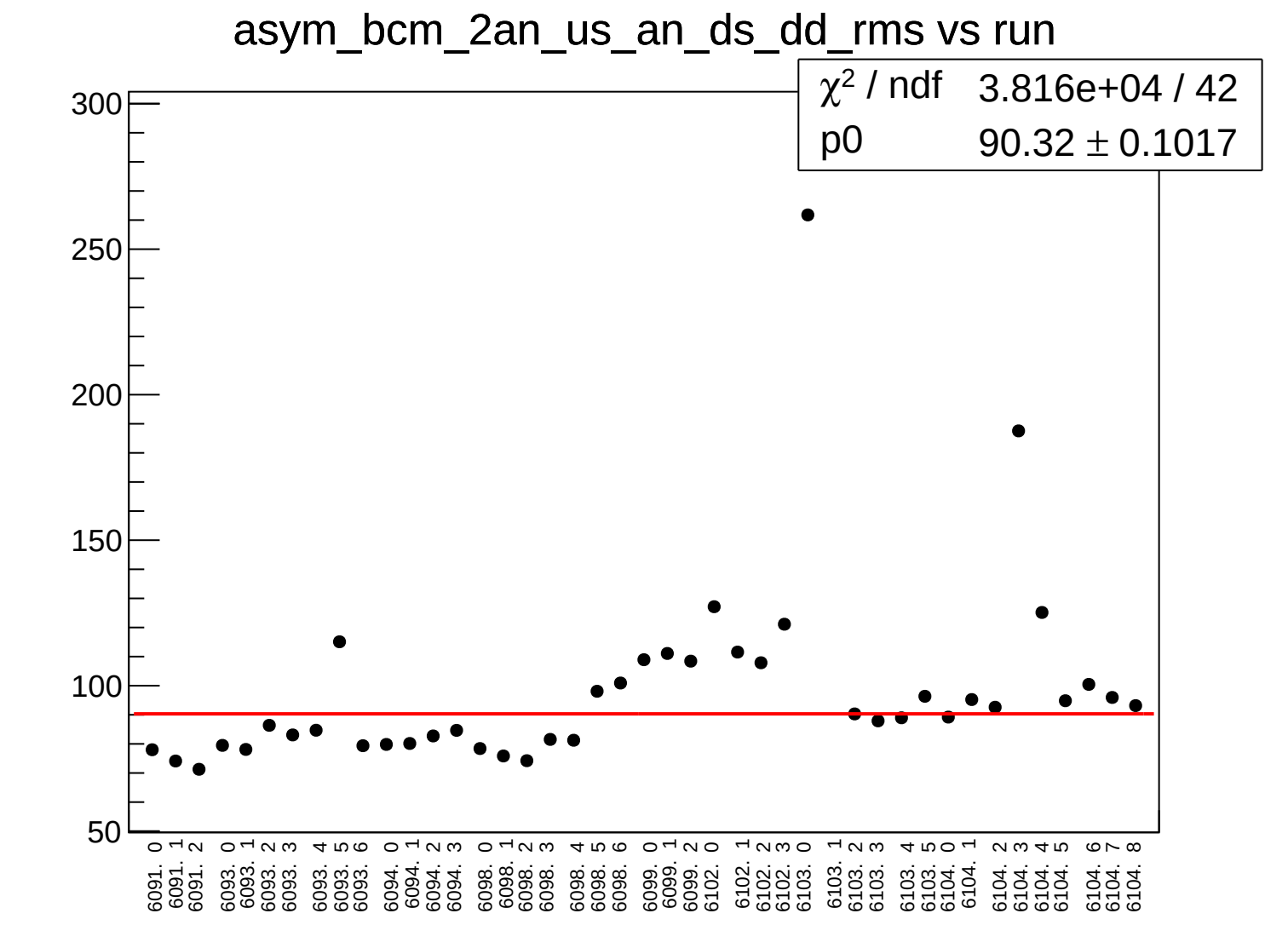

pull1D
Entries 43
Mean −0.01373
Std Dev 1.826
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

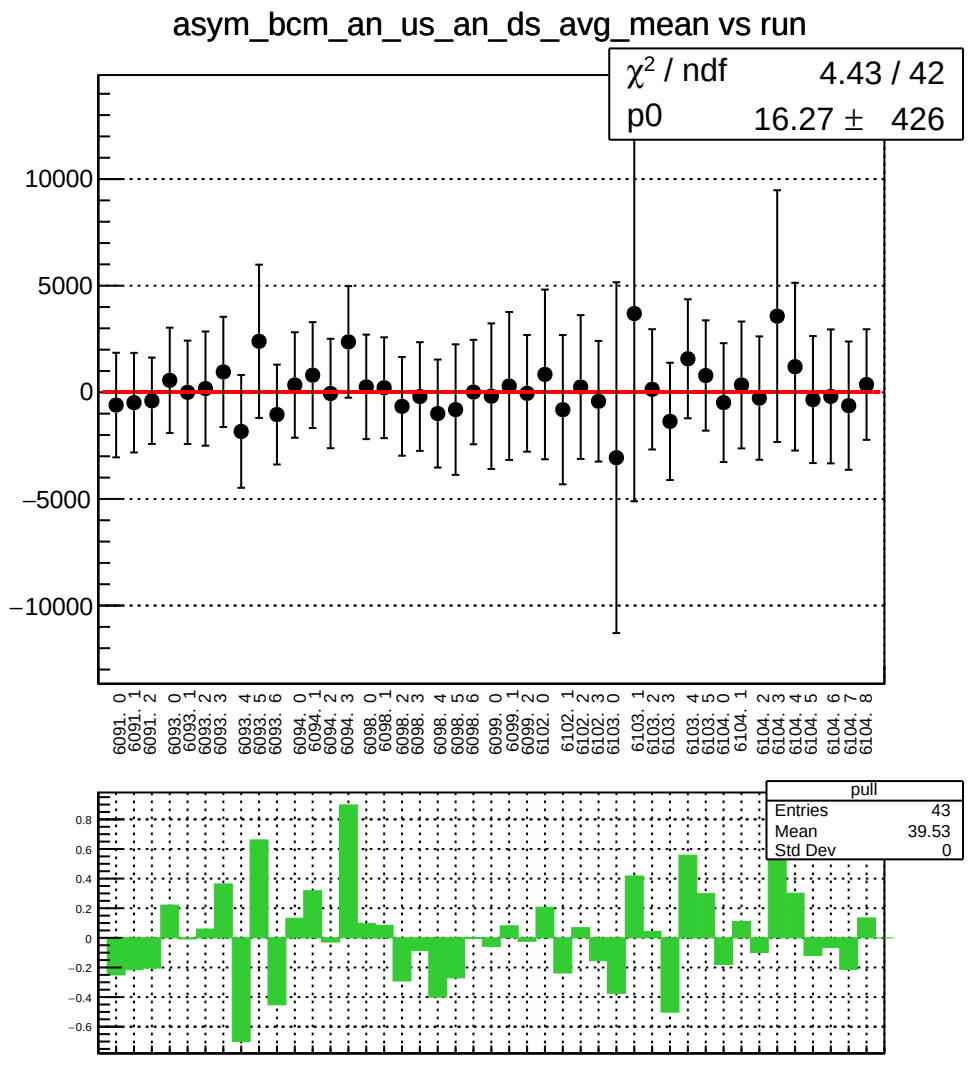

asym_bpm1i06WS_rms vs run
χ² / ndf 4.573e+04 / 42
p0 162.8 ± 0.1841
800
700
600
500
400
300
200
100
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

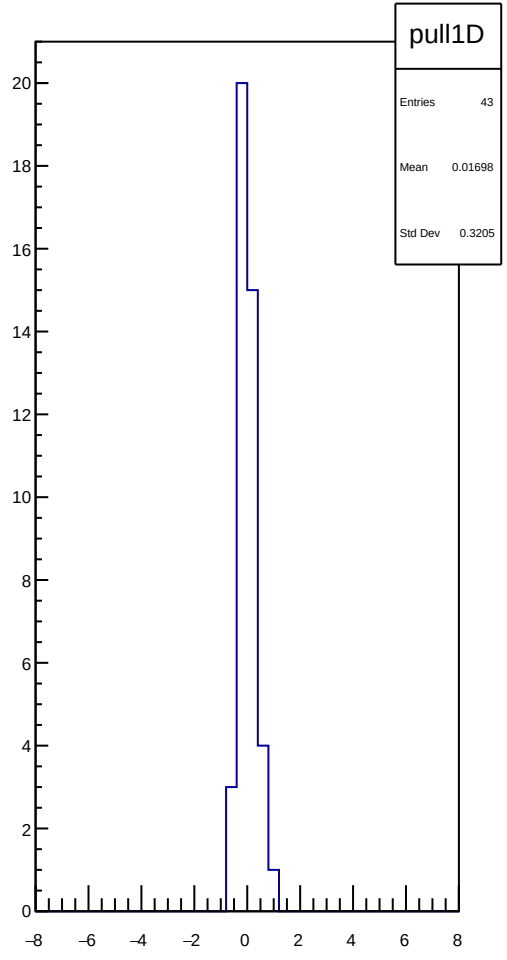

asym_bcm_2an_us_an_ds_avg_mean vs run
χ² / ndf 4.475 / 42
p0 14.5 ± 426.2
10000
5000
0
−5000
−10000
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 40.1
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
pull1D
Entries 43
Mean 0.01713
Std Dev 0.3221
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

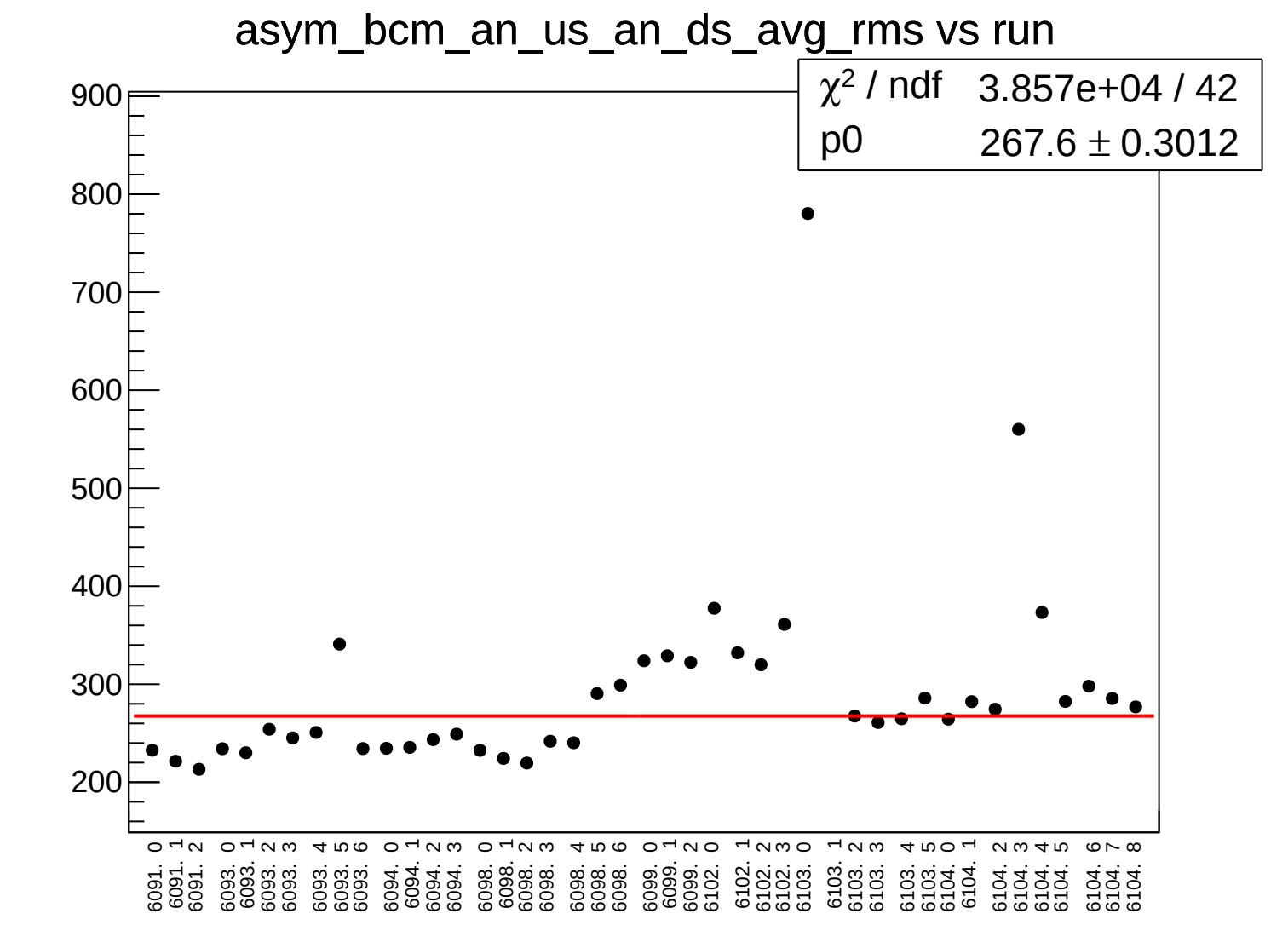

asym_bcm_2an_us_an_ds_avg_rms vs run
χ² / ndf 3.859e+04 / 42
p0 267.7 ± 0.3014
900
800
700
600
500
400
300
200
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

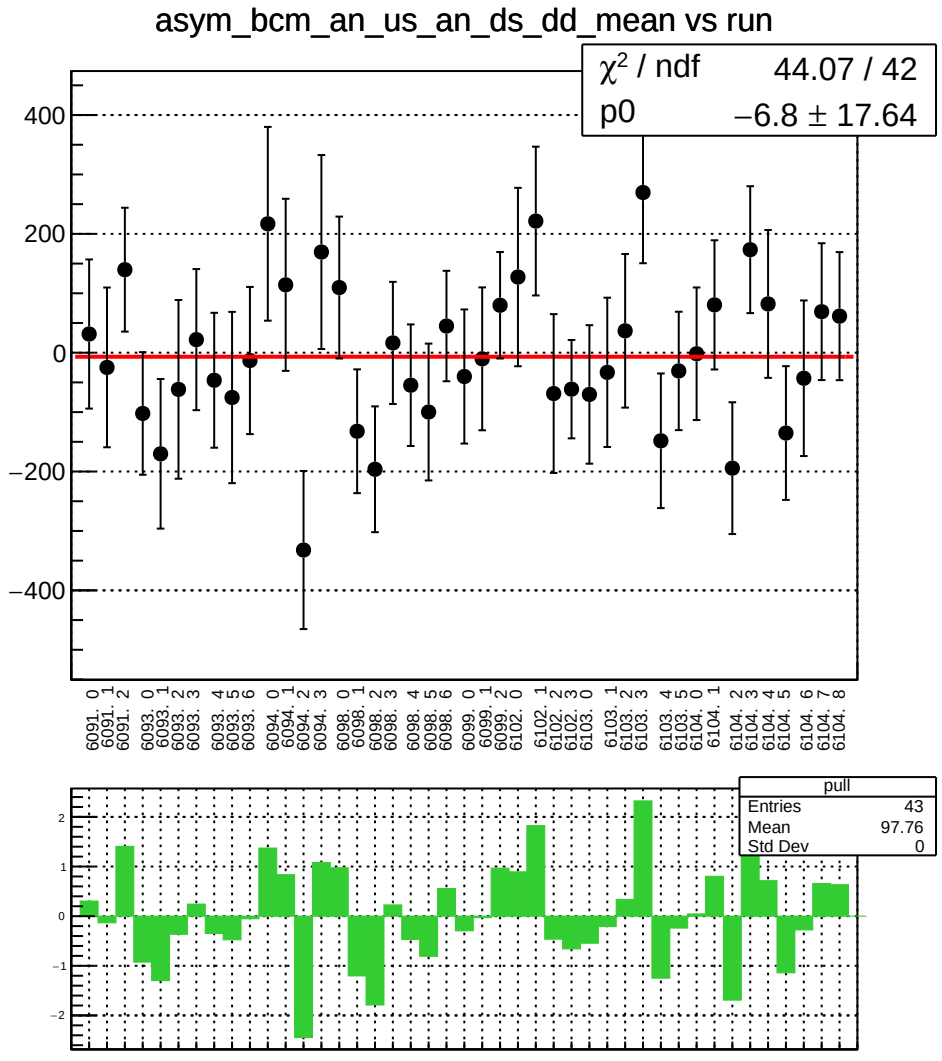

asym_bcm_2an_us_an_ds_dd_mean vs run
χ² / ndf 5.425 / 42
p0 0.1099 ± 143.8
4000
3000
2000
1000
0
−1000
−2000
−3000
−4000
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 44.34
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
pull1D
Entries 43
Mean 0.01822
Std Dev 0.3547
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

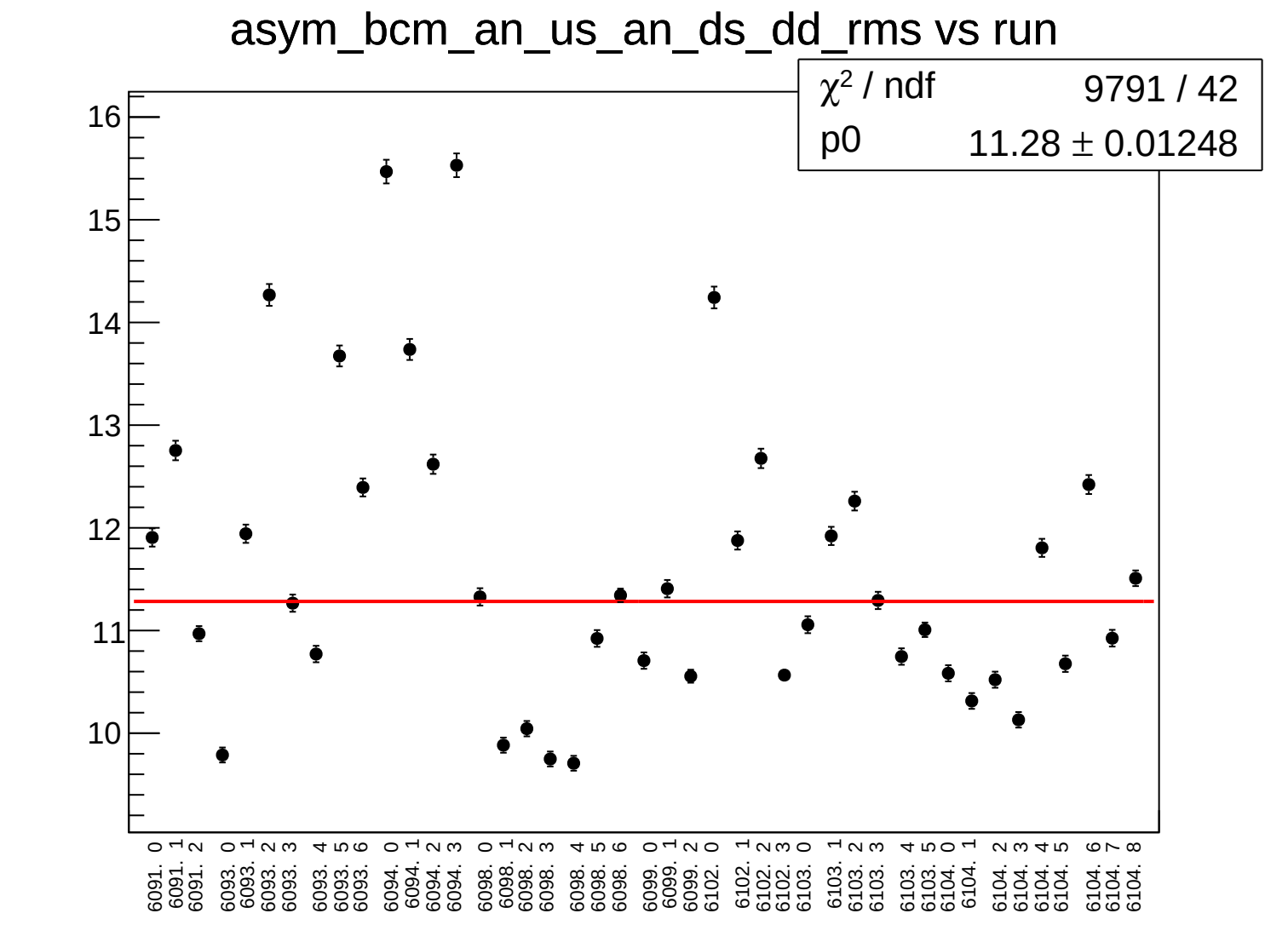

asym_bcm_2an_us_an_ds_dd_rms vs run
χ² / ndf 3.816e+04 / 42
p0 90.32 ± 0.1017
300
250
200
150
100
50
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

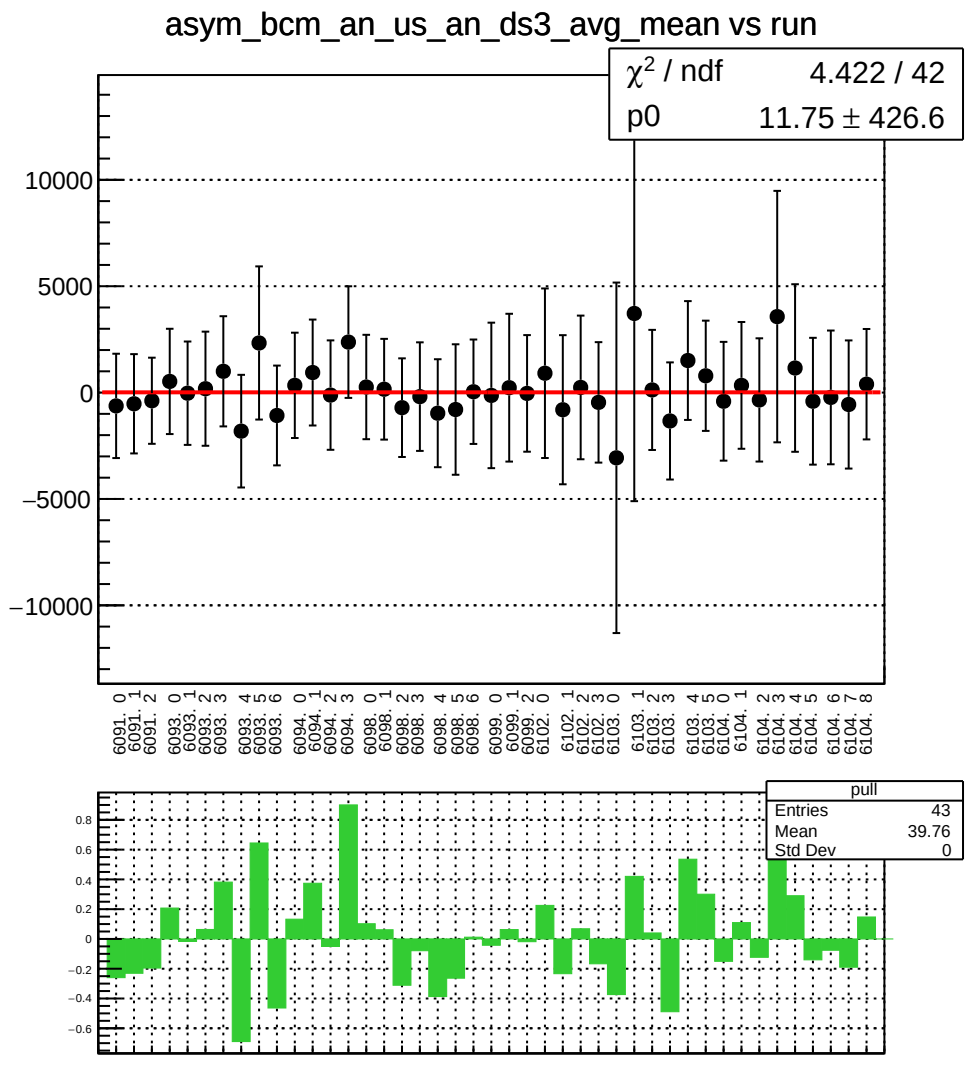

asym_bcm_an_us_an_ds_avg_mean vs run
χ² / ndf 4.43 / 42
p0 16.27 ± 426
10000
5000
0
−5000
−10000
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 39.53
Std Dev 0
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6

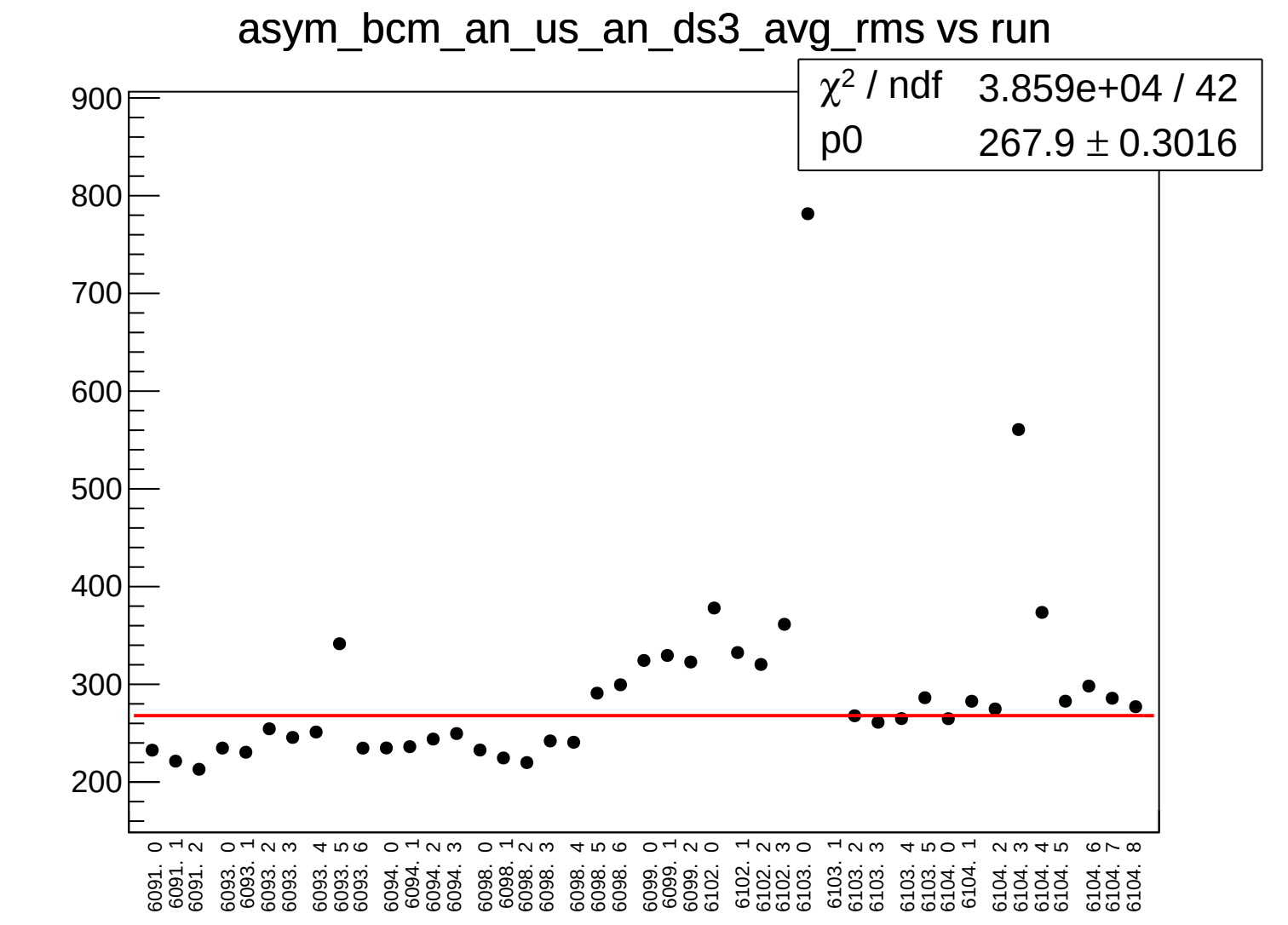

pull1D
Entries 43
Mean 0.01698
Std Dev 0.3205
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

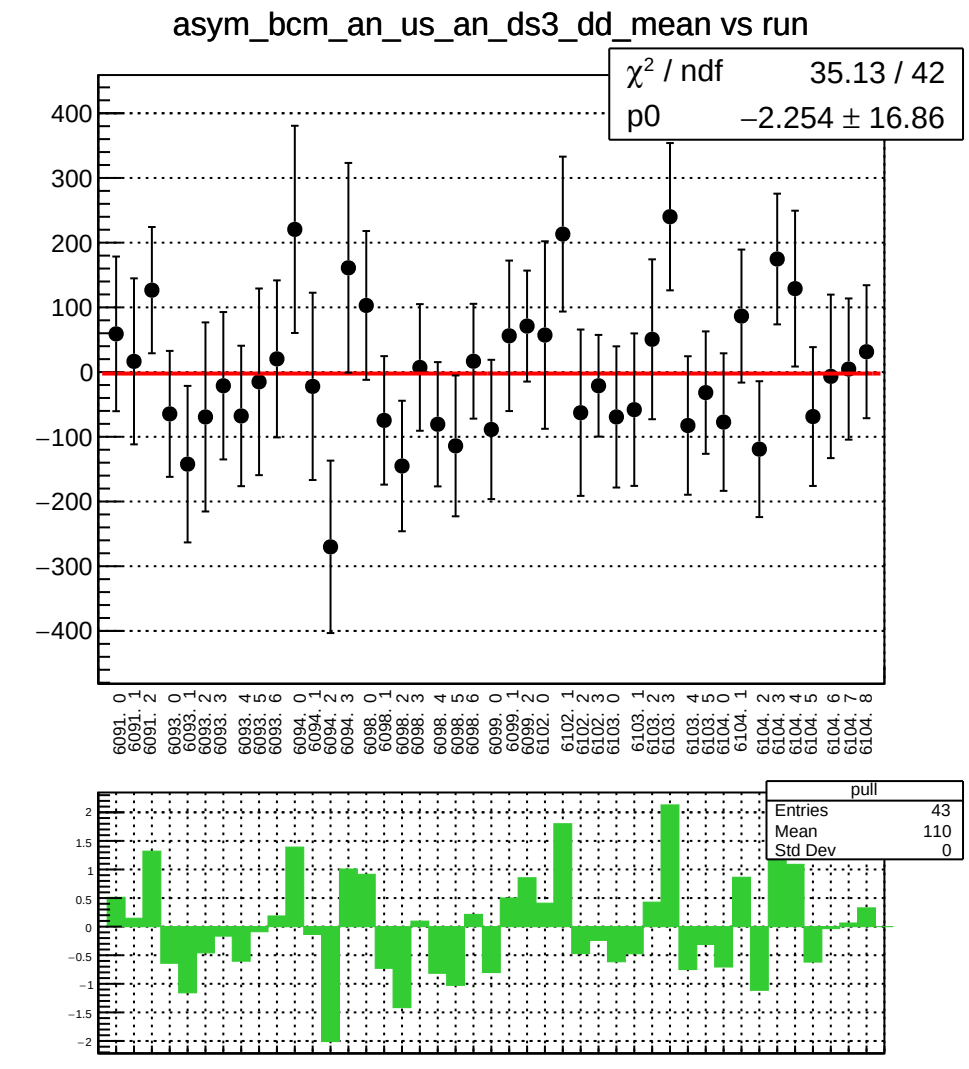

asym_bcm_an_us_an_ds_avg_rms vs run
χ² / ndf 3.857e+04 / 42
p0 267.6 ± 0.3012
900
800
700
600
500
400
300
200
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

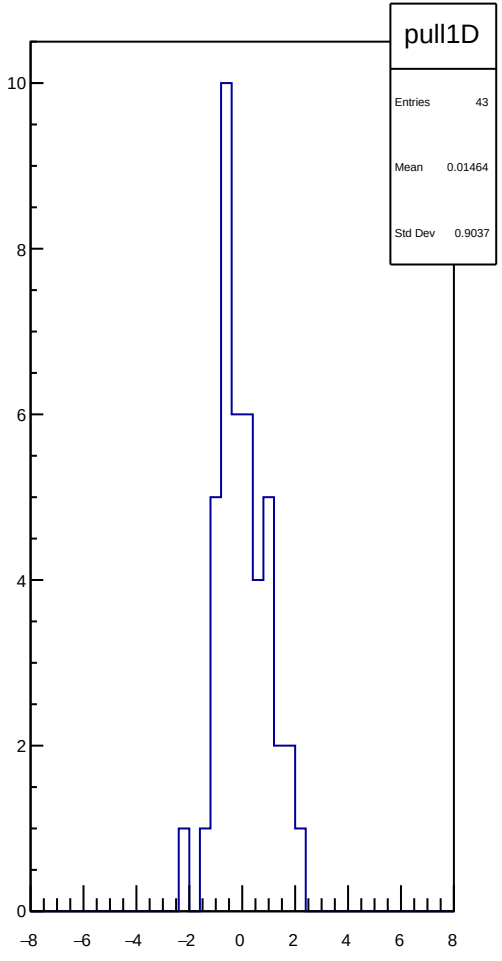

asym_bcm_an_us_an_ds_dd_mean vs run
χ² / ndf 44.07 / 42
p0 −6.8 ± 17.64
400
200
0
−200
−400
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 97.76
Std Dev 0
2
1
0
−1
−2
pull1D
Entries 43
Mean 0.01801
Std Dev 1.012
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

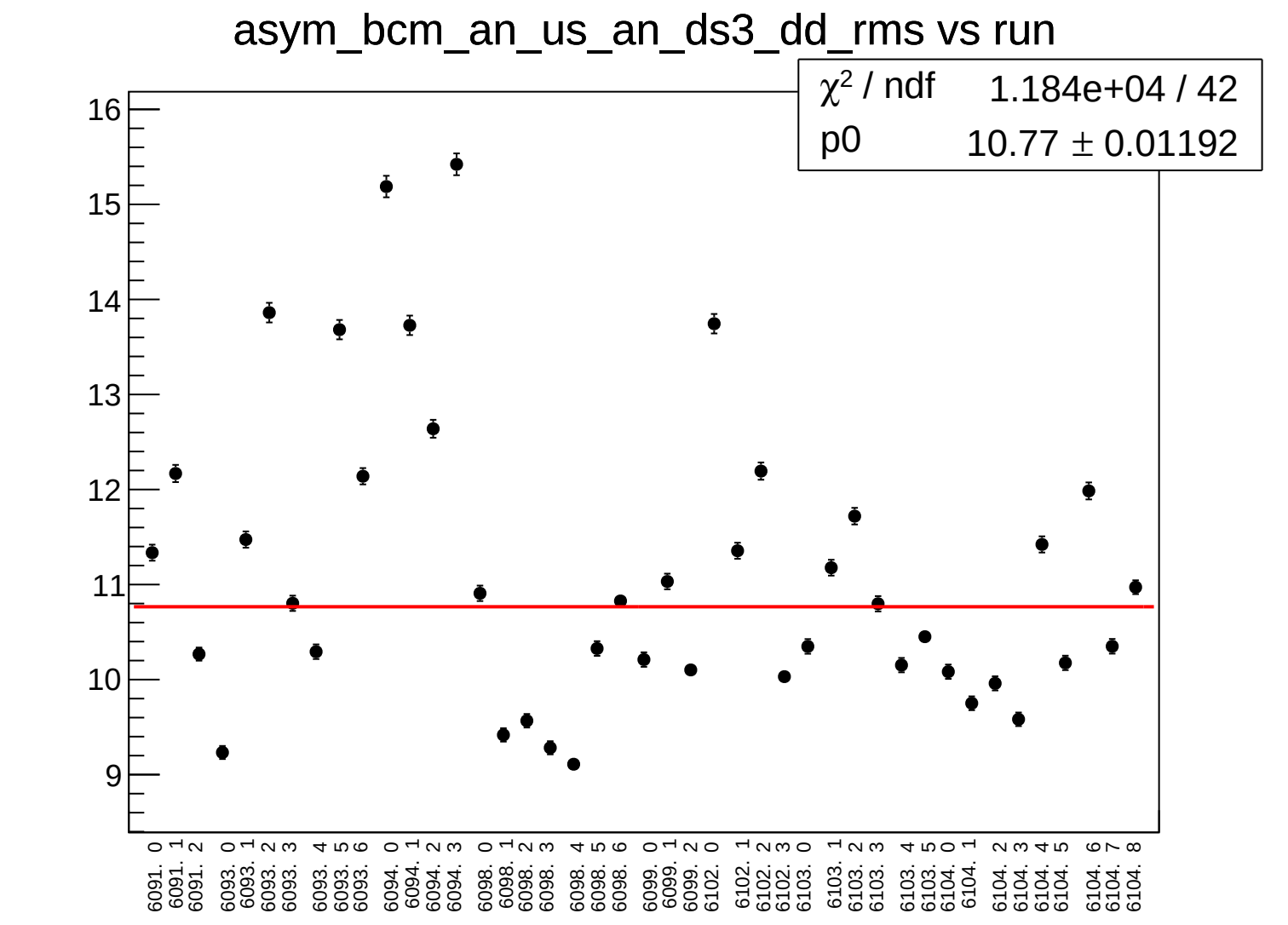

asym_bcm_an_us_an_ds_dd_rms vs run
χ² / ndf 9791 / 42
p0 11.28 ± 0.01248
16
15
14
13
12
11
10
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

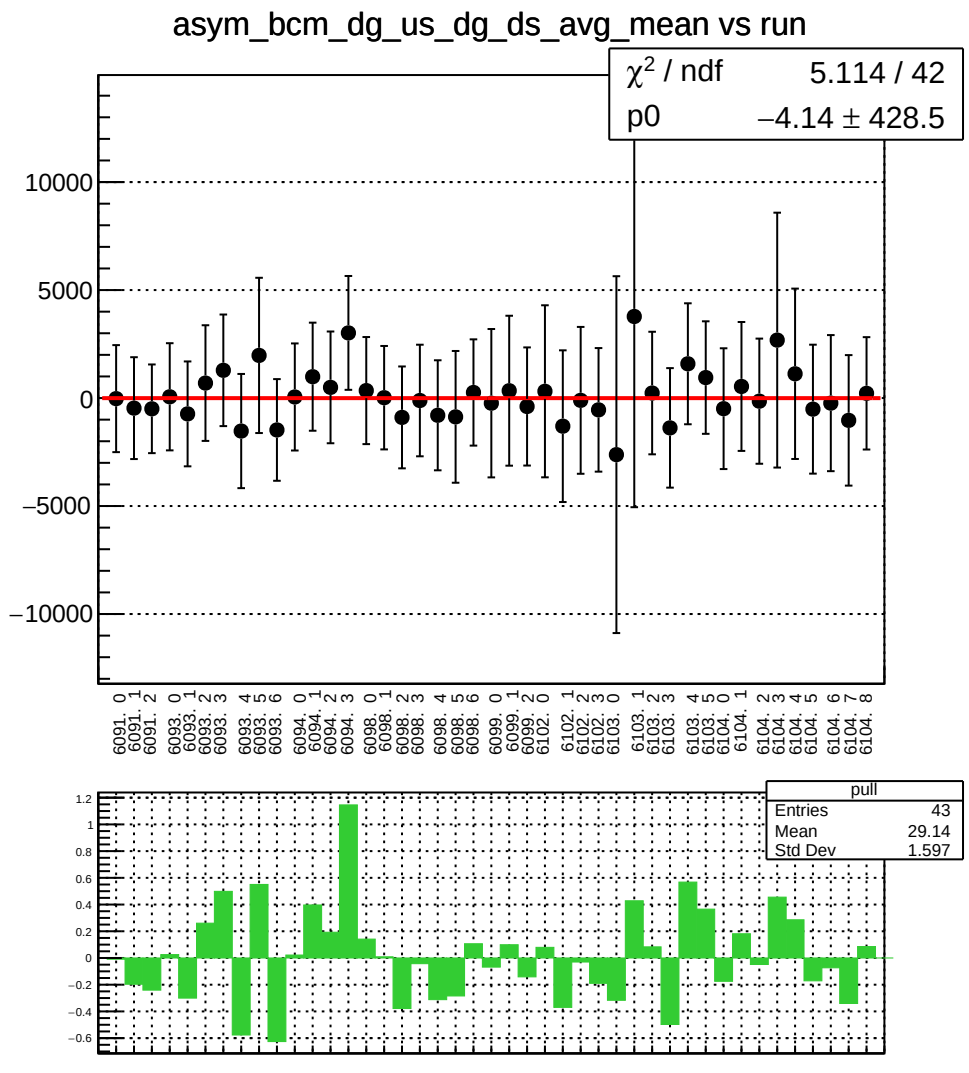

asym_bcm_an_us_an_ds3_avg_mean vs run
χ² / ndf 4.422 / 42
p0 11.75 ± 426.6
10000
5000
0
−5000
−10000
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 39.76
Std Dev 0
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
pull1D
Entries 43
Mean 0.01707
Std Dev 0.3202
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

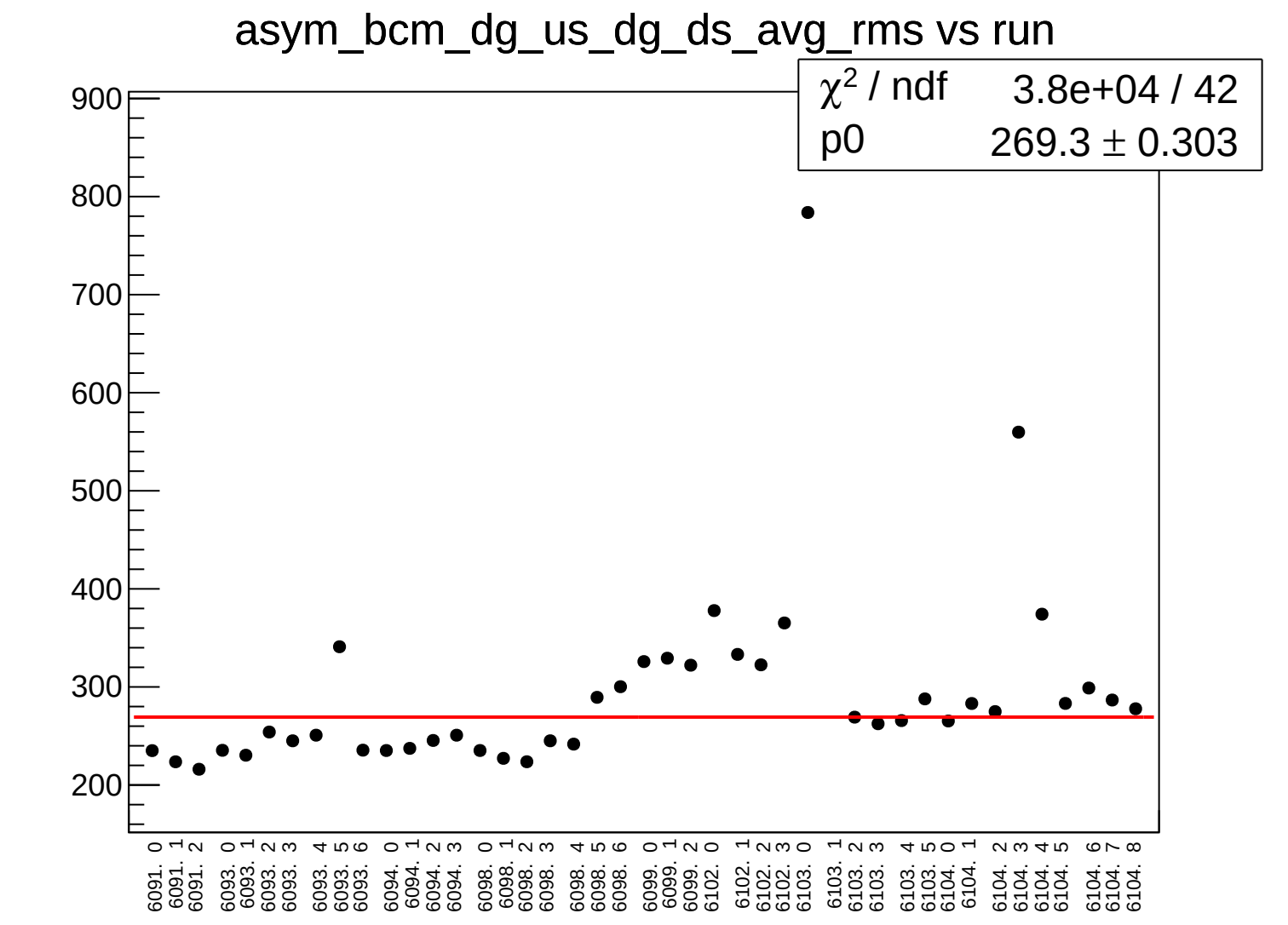

asym_bcm_an_us_an_ds3_avg_rms vs run
χ² / ndf 3.859e+04 / 42
p0 267.9 ± 0.3016
900
800
700
600
500
400
300
200
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

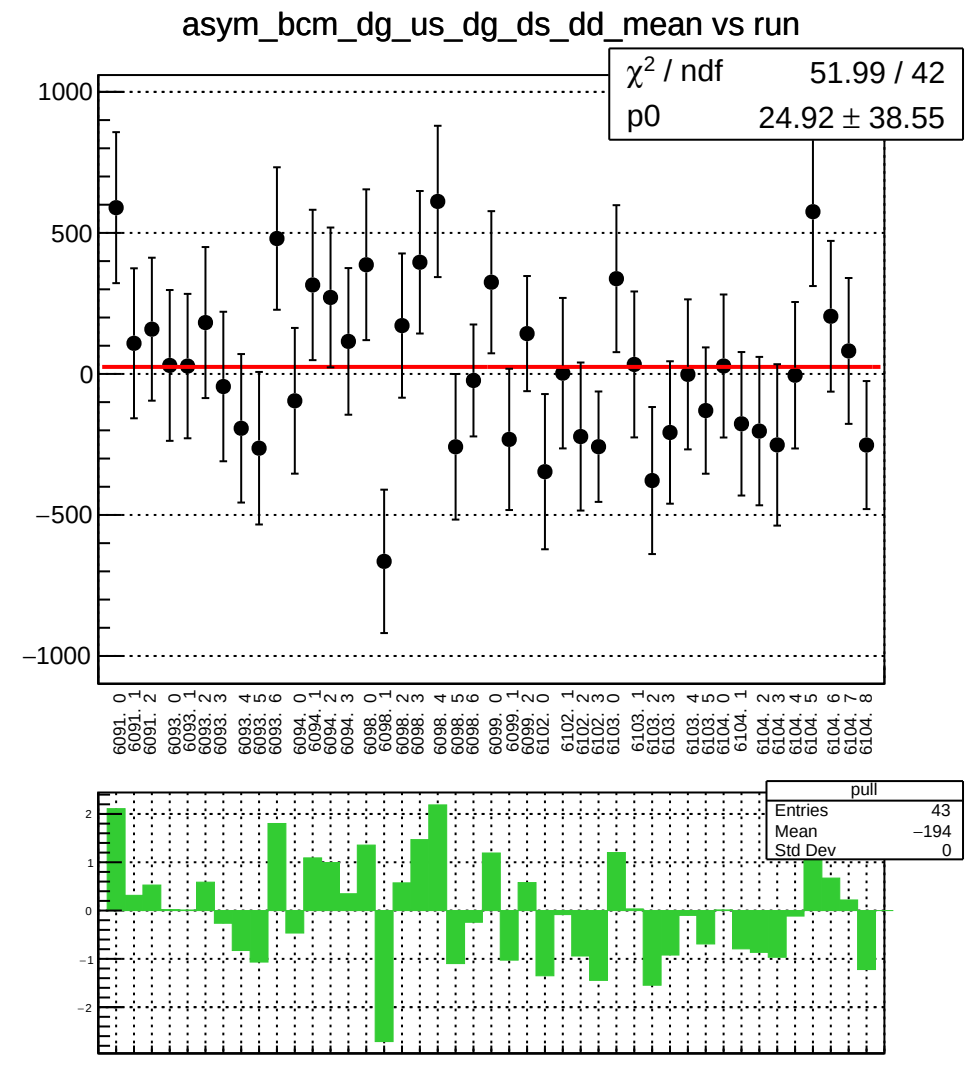

asym_bcm_an_us_an_ds3_dd_mean vs run
χ² / ndf 35.13 / 42
p0 −2.254 ± 16.86
pull
Entries 43
Mean 110
Std Dev 0

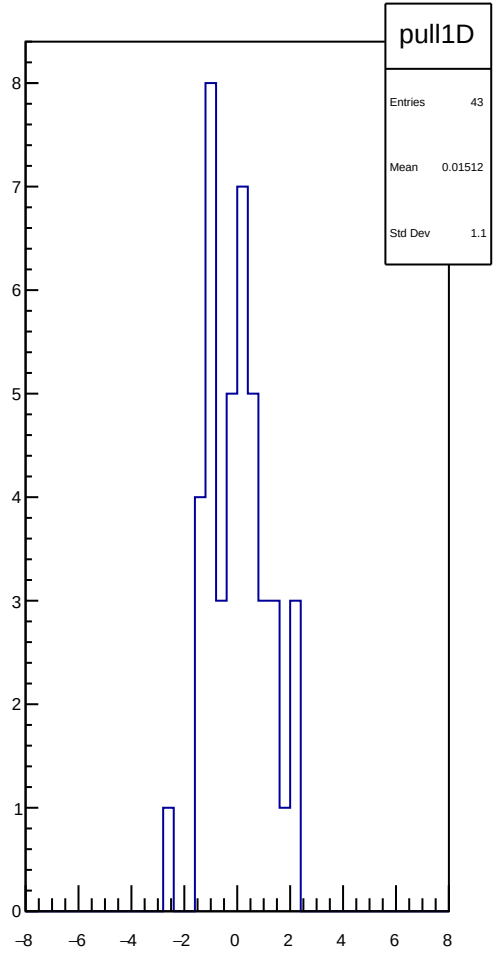

pull1D
Entries 43
Mean 0.01464
Std Dev 0.9037

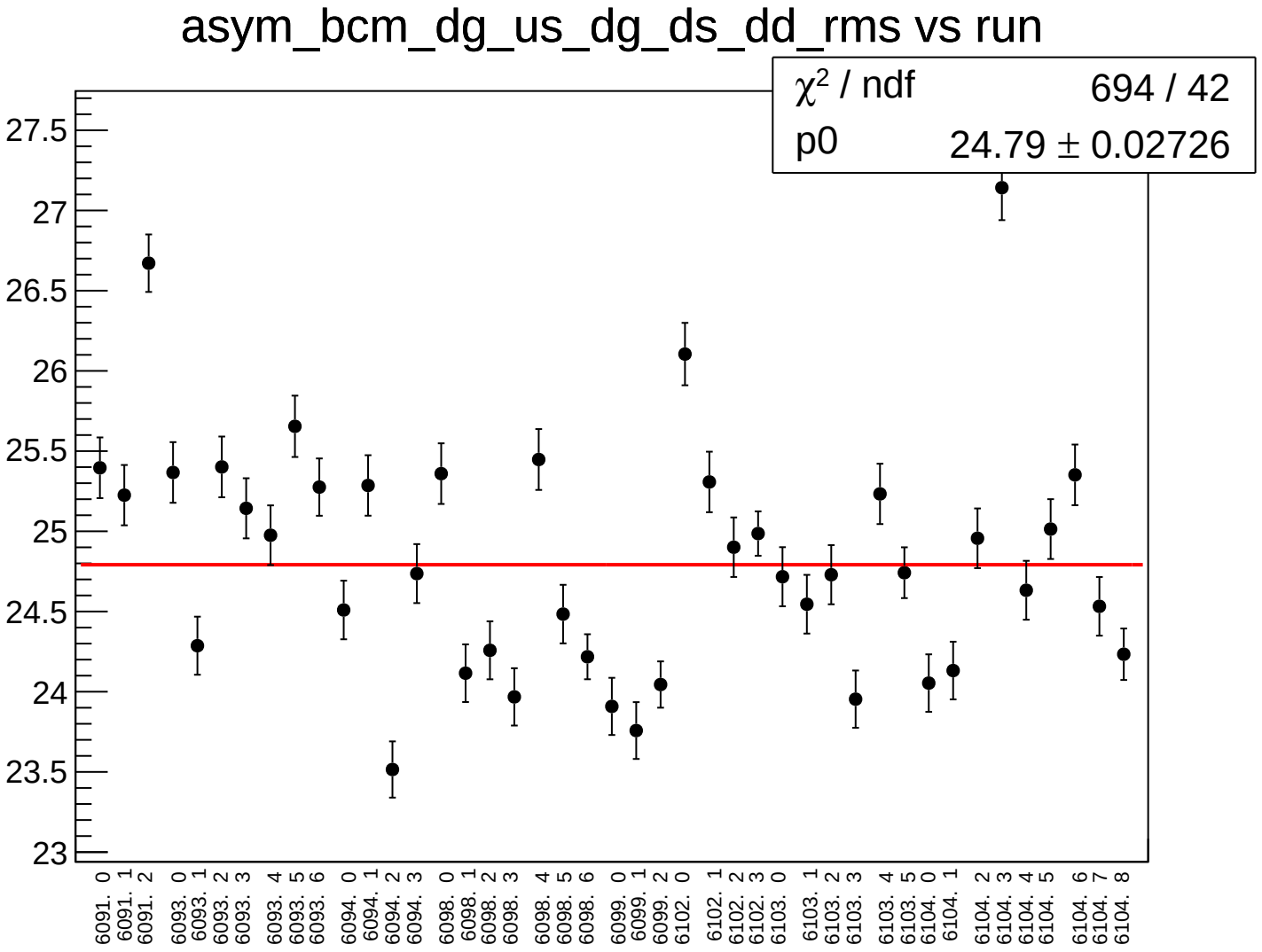

asym_bcm_an_us_an_ds3_dd_rms vs run
χ² / ndf 1.184e+04 / 42
p0 10.77 ± 0.01192
16
15
14
13
12
11
10
9
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

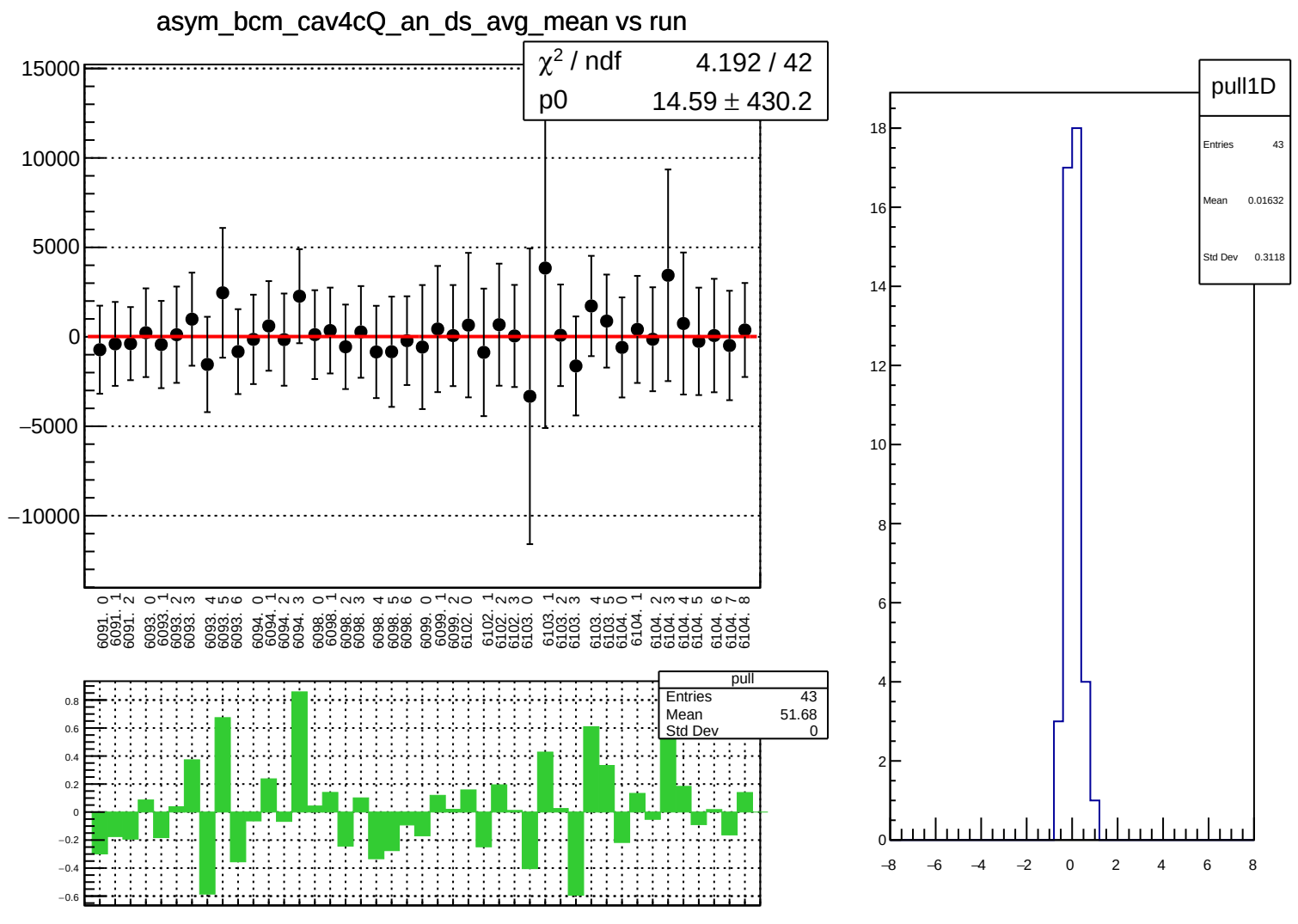

asym_bcm_dg_us_dg_ds_avg_mean vs run
χ² / ndf 5.114 / 42
p0 −4.14 ± 428.5
10000
5000
0
−5000
−10000
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 29.14
Std Dev 1.597
1.2
1
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
pull1D
Entries 43
Mean 0.01379
Std Dev 0.3446
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

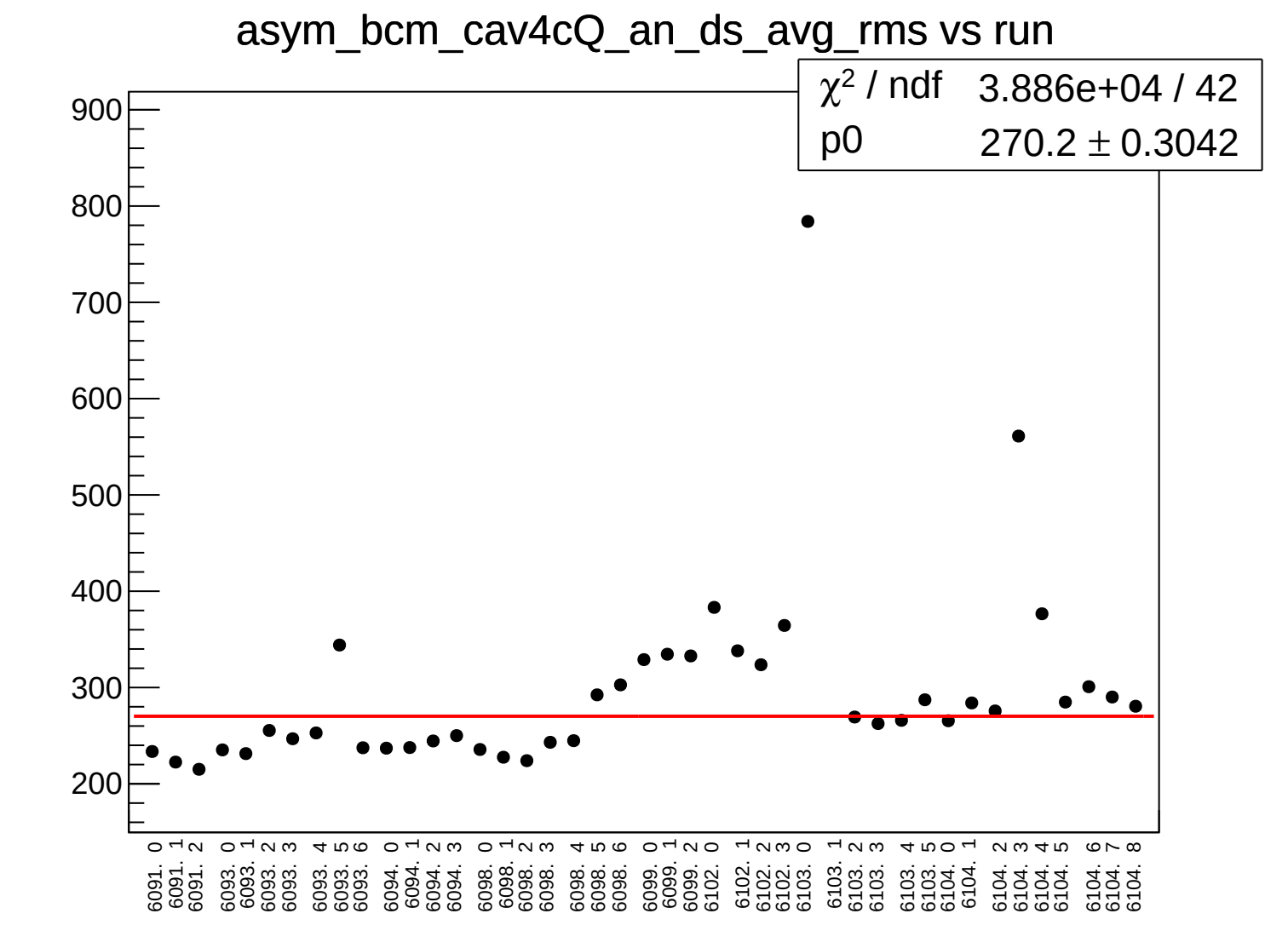

asym_bcm_dg_us_dg_ds_avg_rms vs run
χ² / ndf 3.8e+04 / 42
p0 269.3 ± 0.303
900
800
700
600
500
400
300
200
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

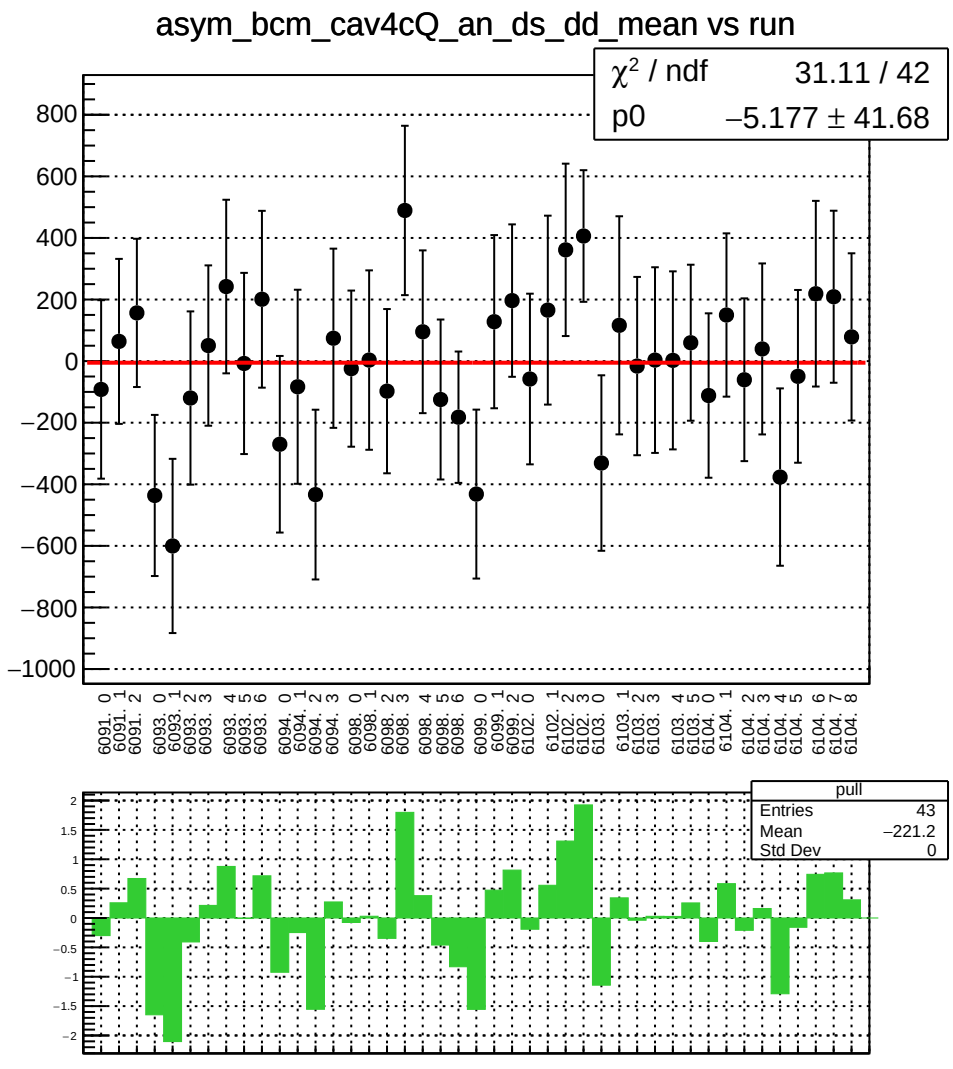

asym_bcm_dg_us_dg_ds_dd_mean vs run
χ² / ndf 51.99 / 42
p0 24.92 ± 38.55
1000
500
0
−500
−1000
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean −194
Std Dev 0
2
1
0
−1
−2

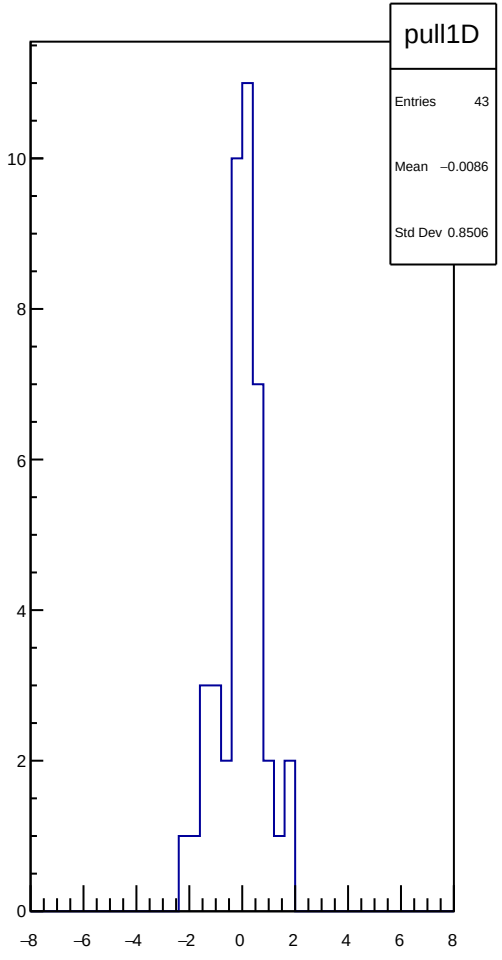

pull1D
Entries 43
Mean 0.01512
Std Dev 1.1
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

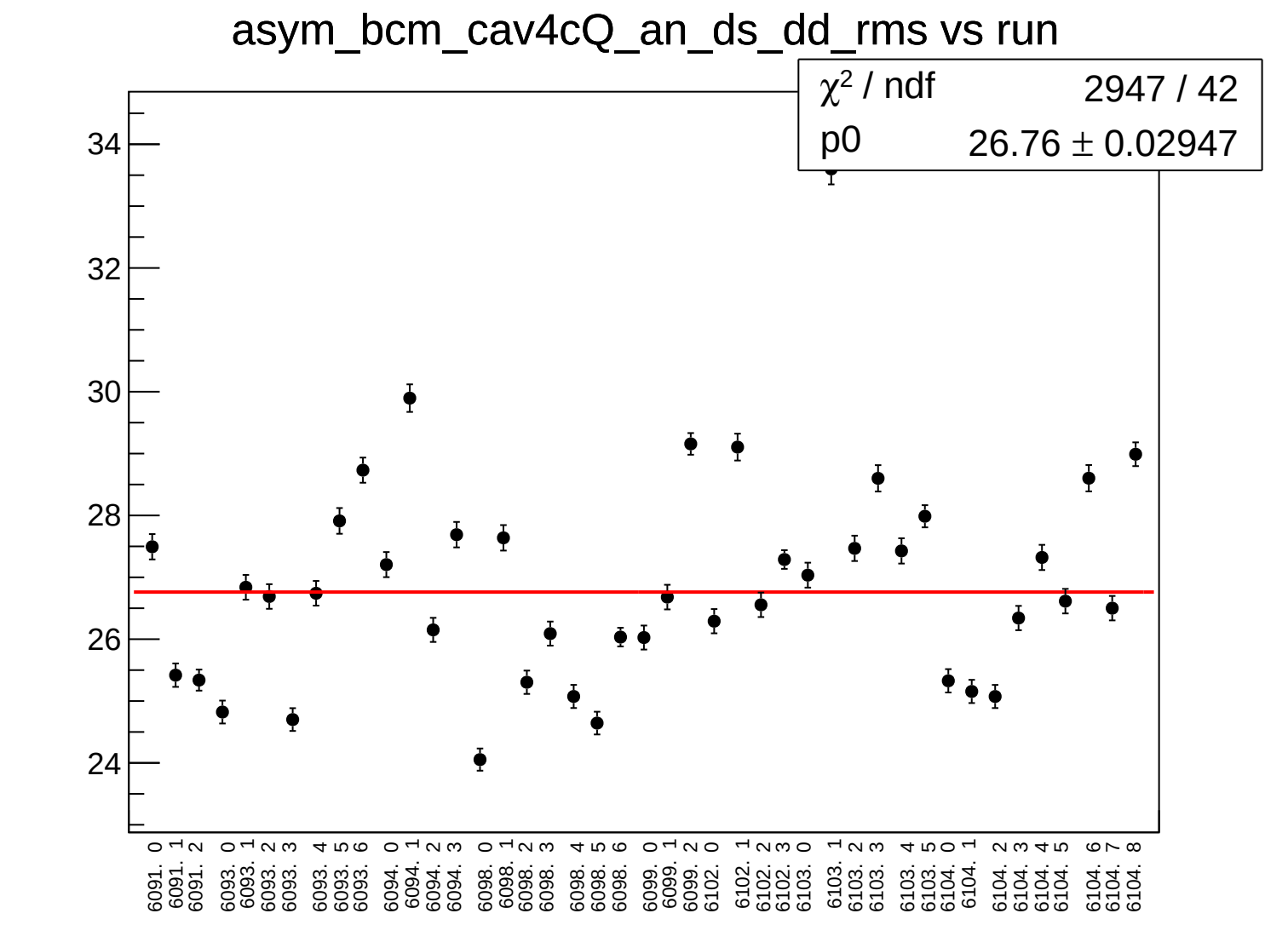

asym_bcm_dg_us_dg_ds_dd_rms vs run
χ² / ndf 694 / 42
p0 24.79 ± 0.02726
27.5
27
26.5
26
25.5
25
24.5
24
23.5
23
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

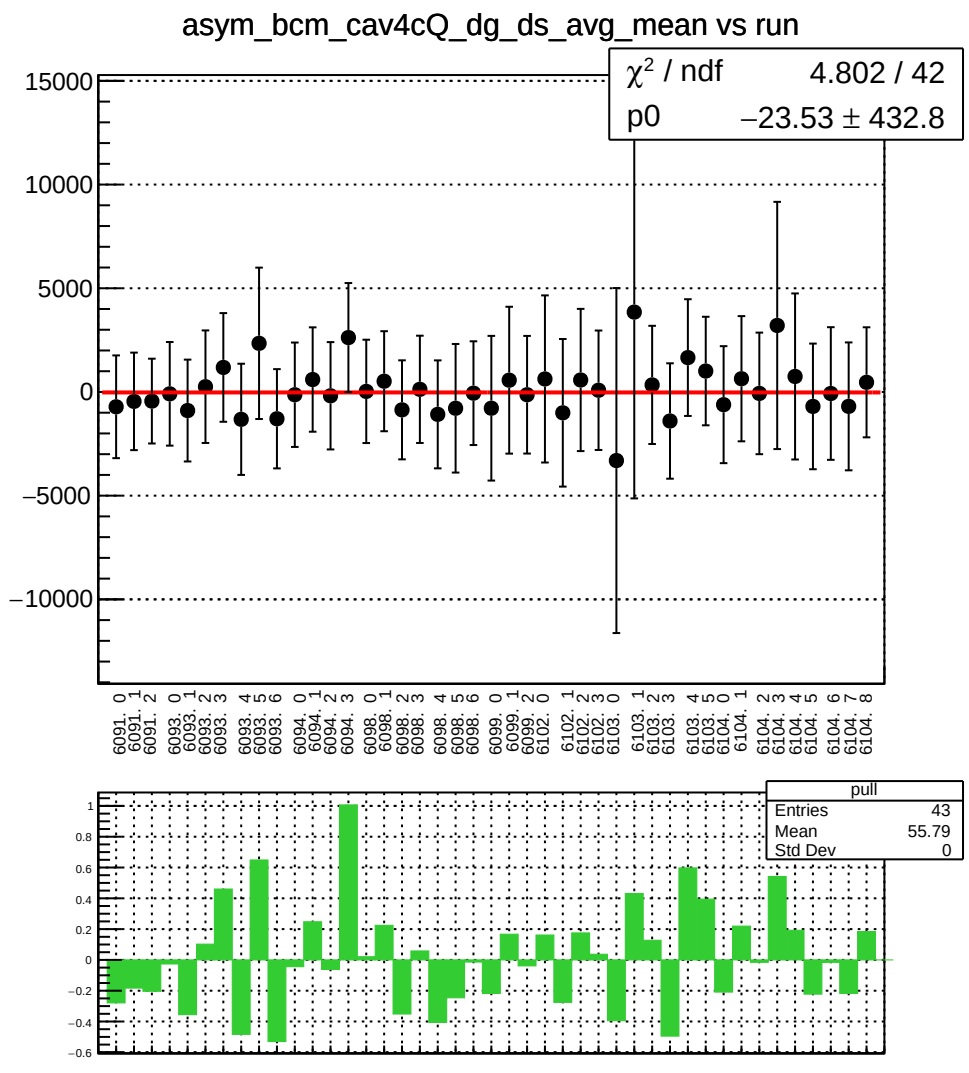

asym_bcm_cav4cQ_an_ds_avg_mean vs run
χ² / ndf 4.192 / 42
p0 14.59 ± 430.2
15000
10000
5000
0
−5000
−10000
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 51.68
Std Dev 0
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
pull1D
Entries 43
Mean 0.01632
Std Dev 0.3118
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

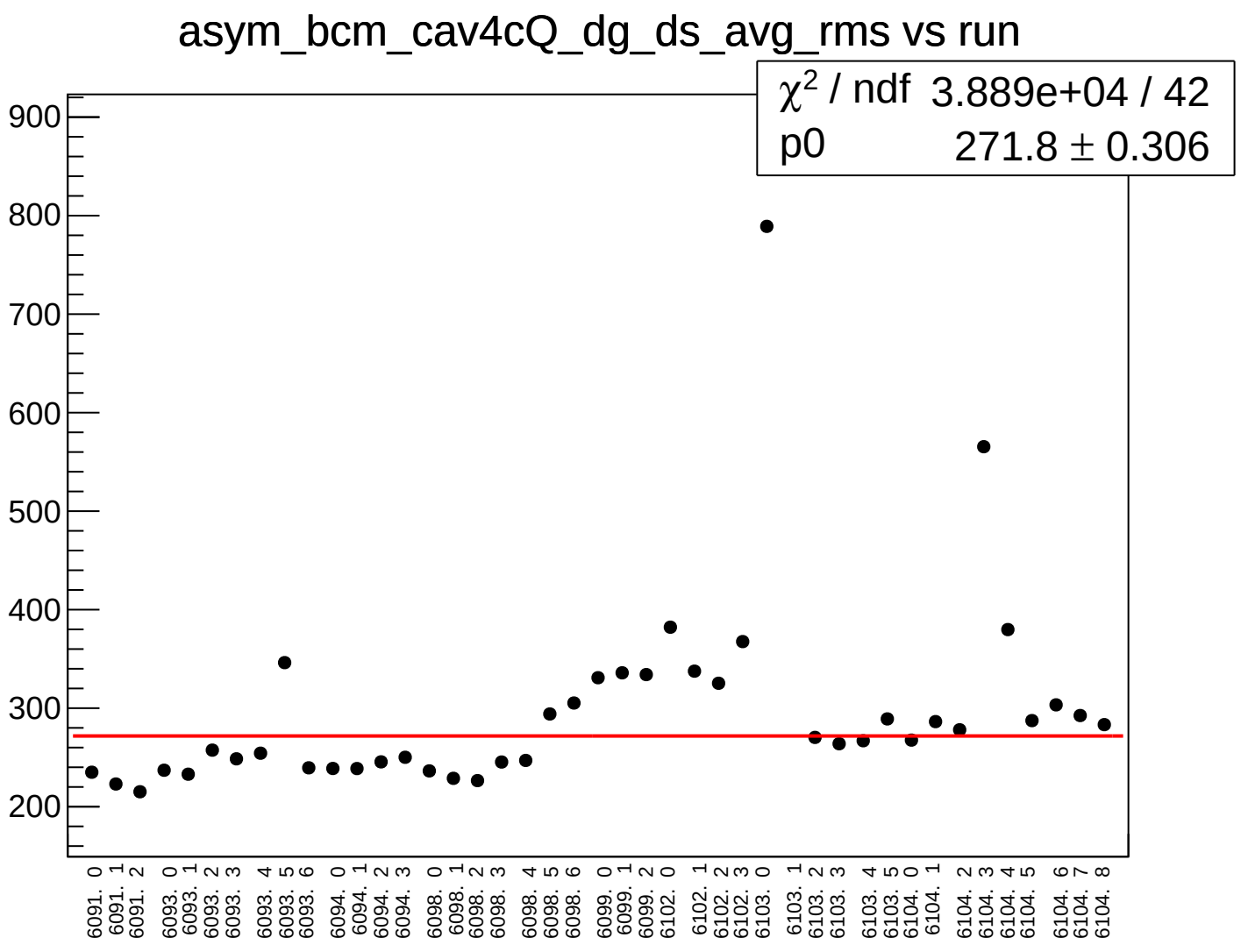

asym_bcm_cav4cQ_an_ds_avg_rms vs run
χ² / ndf 3.886e+04 / 42
p0 270.2 ± 0.3042
900
800
700
600
500
400
300
200
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

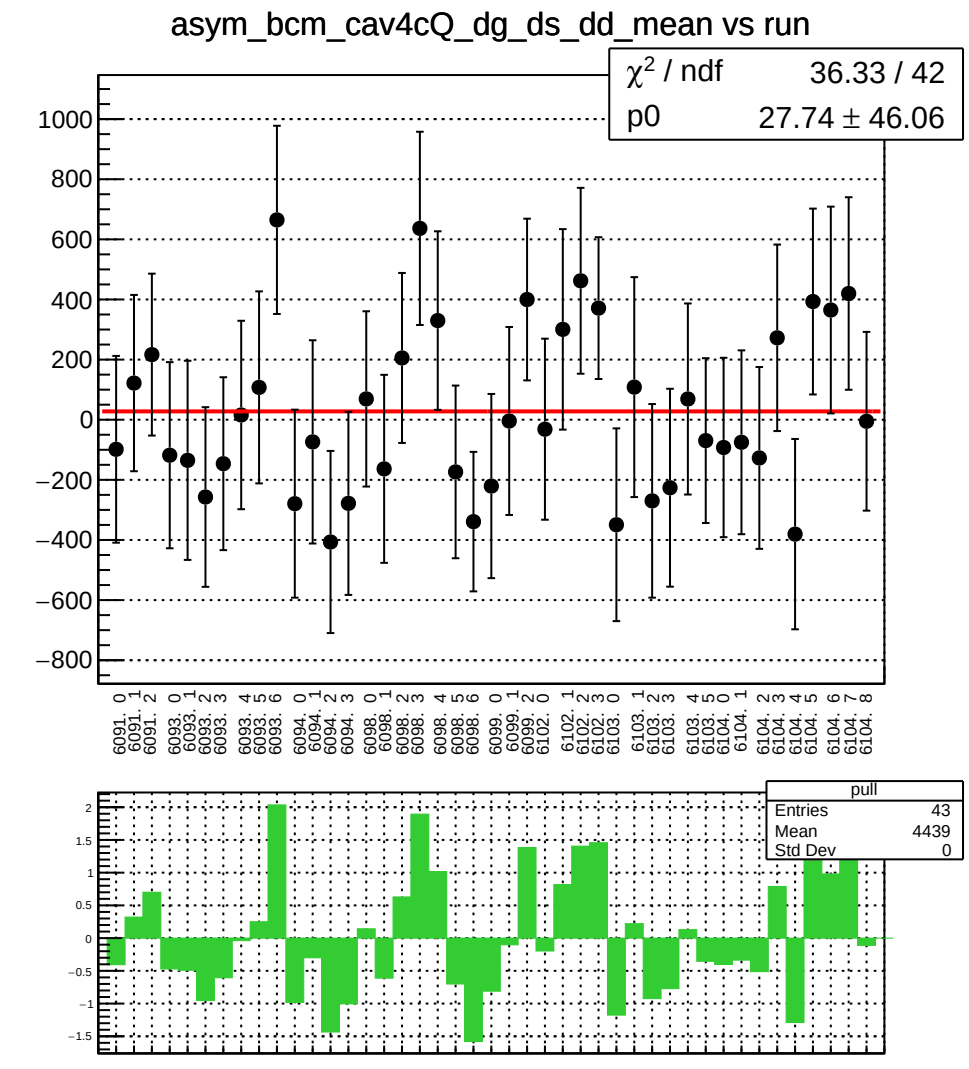

asym_bcm_cav4cQ_an_ds_dd_mean vs run
χ² / ndf 31.11 / 42
p0 −5.177 ± 41.68
pull
Entries 43
Mean −221.2
Std Dev 0

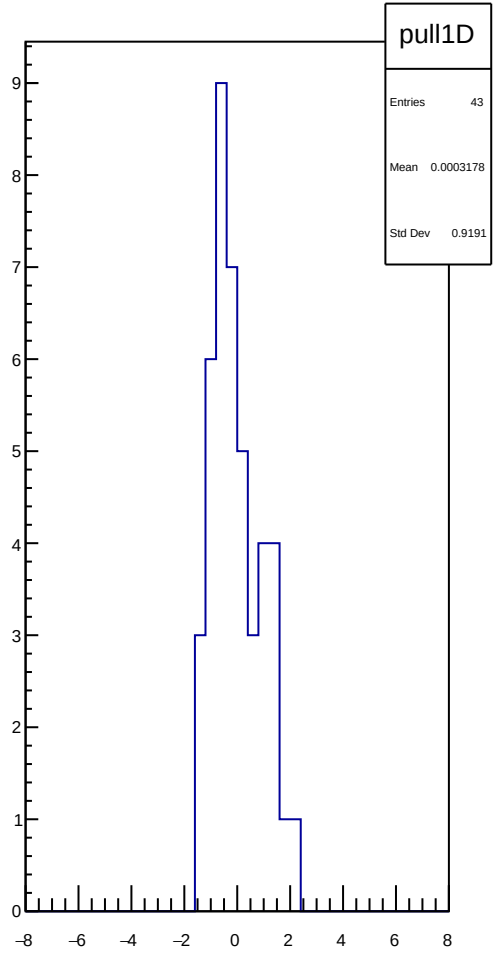

pull1D
Entries 43
Mean −0.0086
Std Dev 0.8506

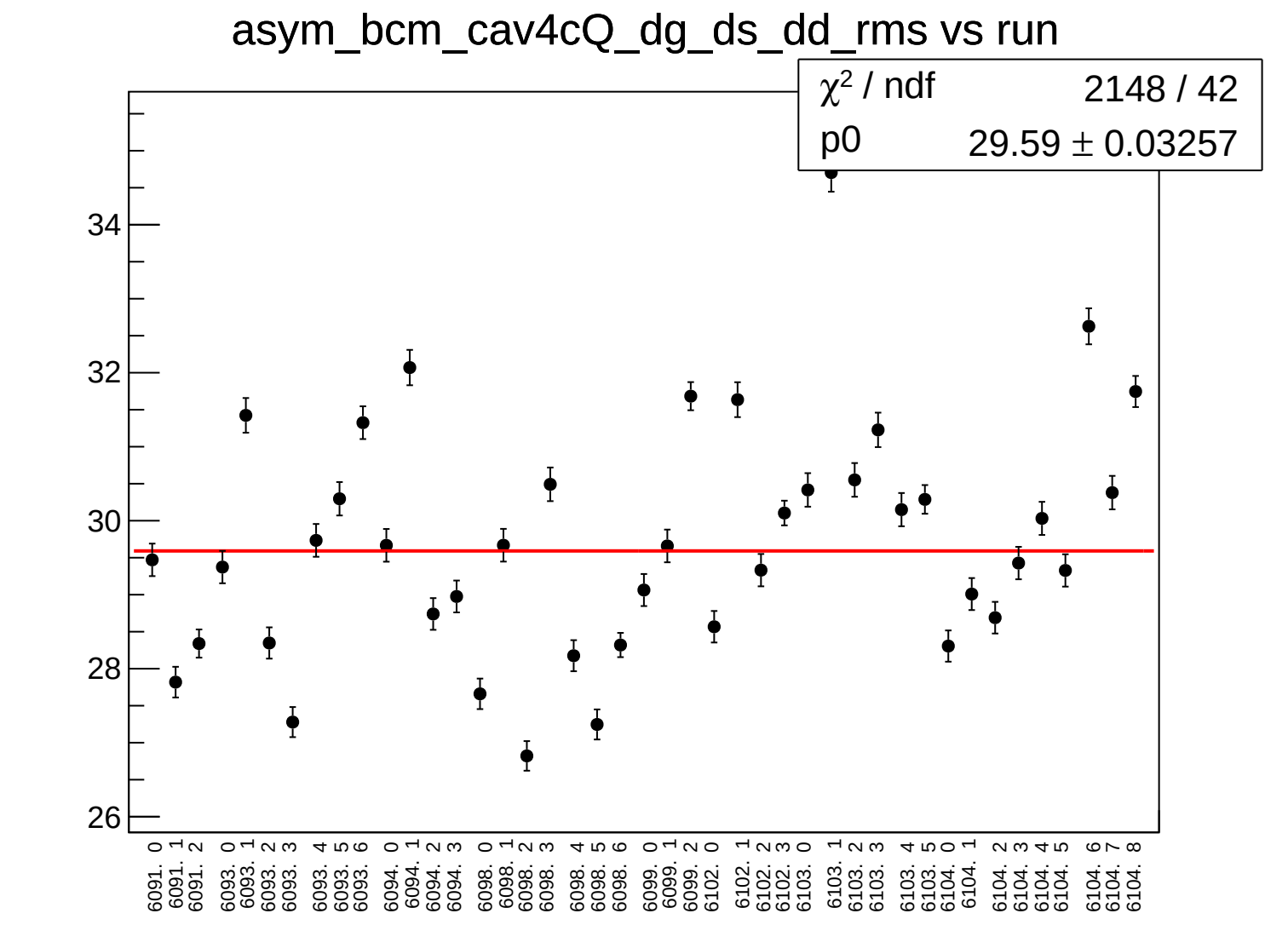

asym_bcm_cav4cQ_an_ds_dd_rms vs run
χ² / ndf 2947 / 42
p0 26.76 ± 0.02947
34
32
30
28
26
24
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

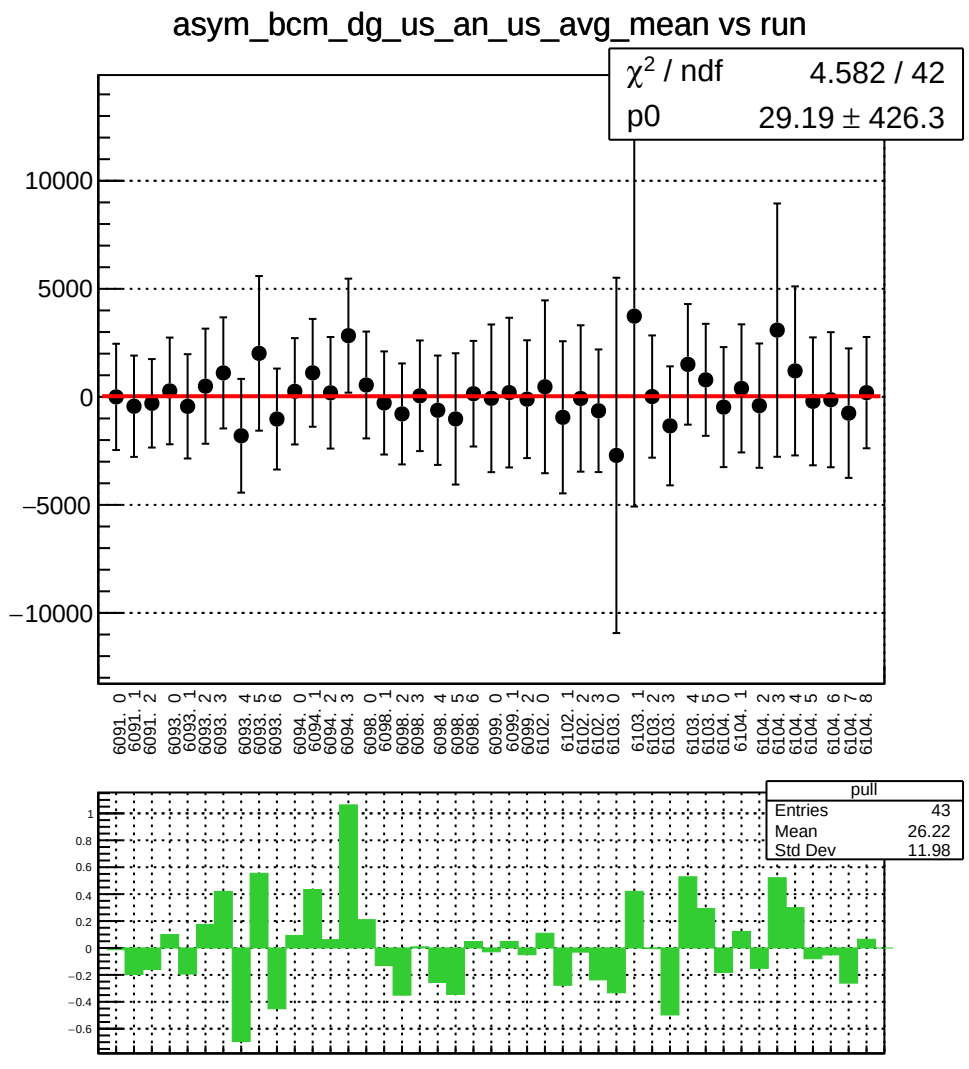

asym_bcm_cav4cQ_dg_ds_avg_mean vs run
χ² / ndf 4.802 / 42
p0 −23.53 ± 432.8
15000
10000
5000
0
−5000
−10000
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 55.79
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
pull1D
Entries 43
Mean 0.01653
Std Dev 0.3338
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

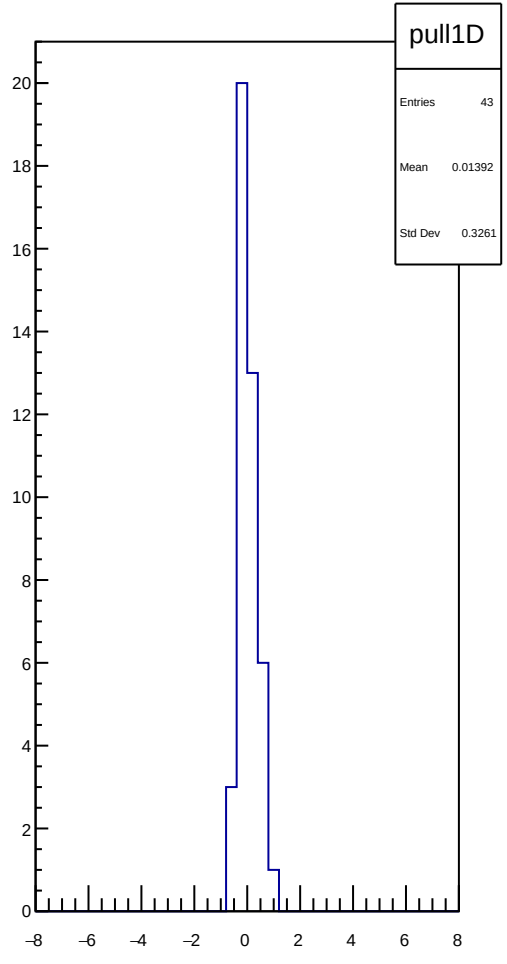

asym_bcm_cav4cQ_dg_ds_avg_rms vs run
χ² / ndf 3.889e+04 / 42
p0 271.8 ± 0.306
900
800
700
600
500
400
300
200
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

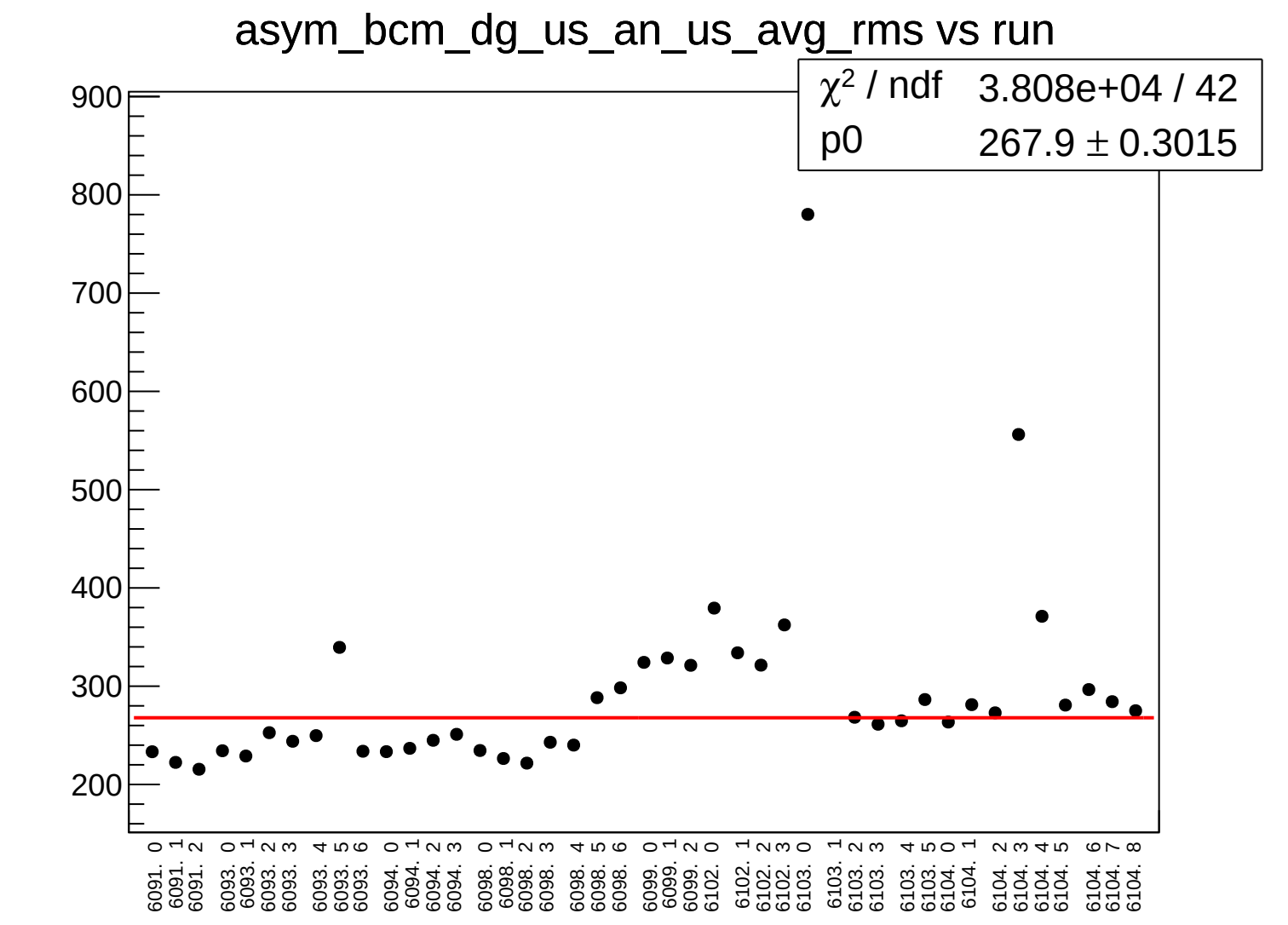

asym_bcm_cav4cQ_dg_ds_dd_mean vs run
χ² / ndf 36.33 / 42
p0 27.74 ± 46.06
pull
Entries 43
Mean 4439
Std Dev 0

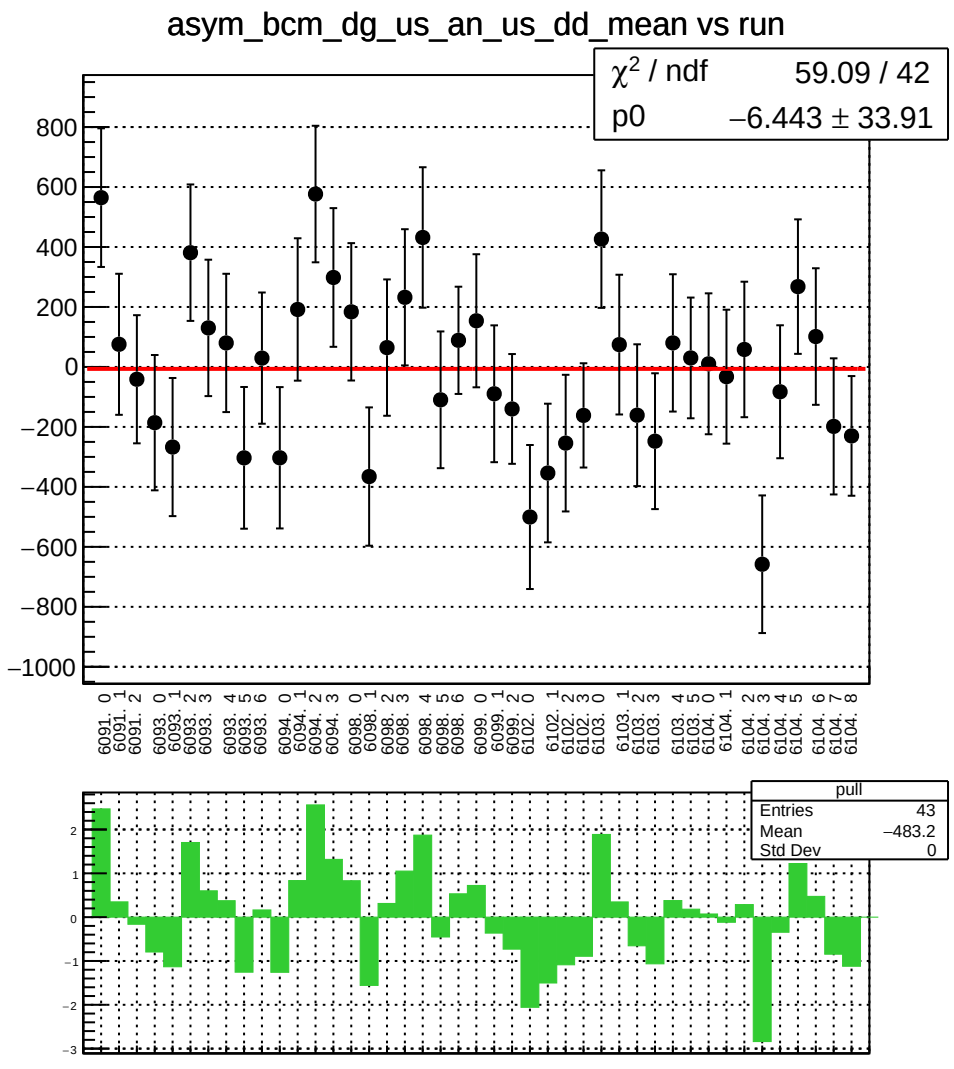

pull1D
Entries 43
Mean 0.0003178
Std Dev 0.9191

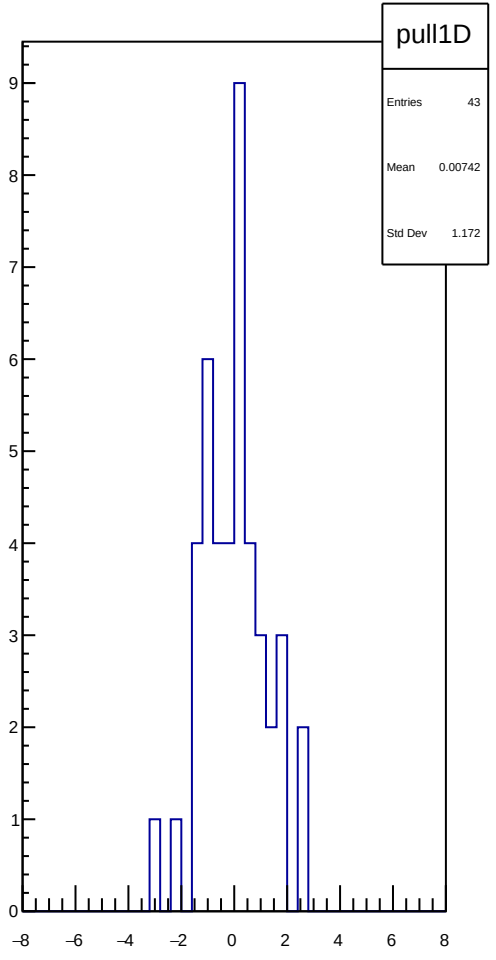

asym_bcm_cav4cQ_dg_ds_dd_rms vs run
χ² / ndf 2148 / 42
p0 29.59 ± 0.03257
34
32
30
28
26
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

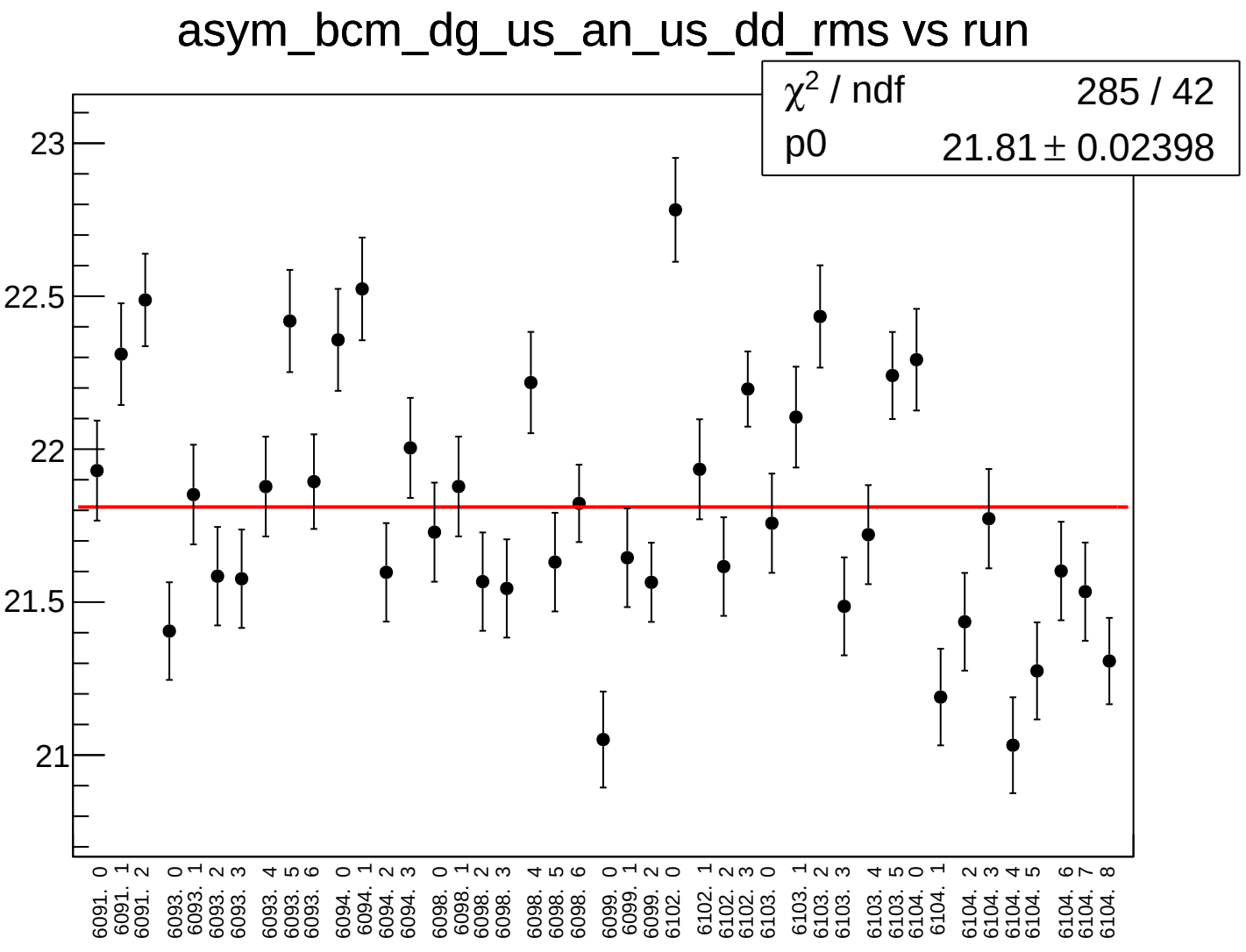

asym_bcm_dg_us_an_us_avg_mean vs run
χ² / ndf 4.582 / 42
p0 29.19 ± 426.3
10000
5000
0
−5000
−10000
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 26.22
Std Dev 11.98
1
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6

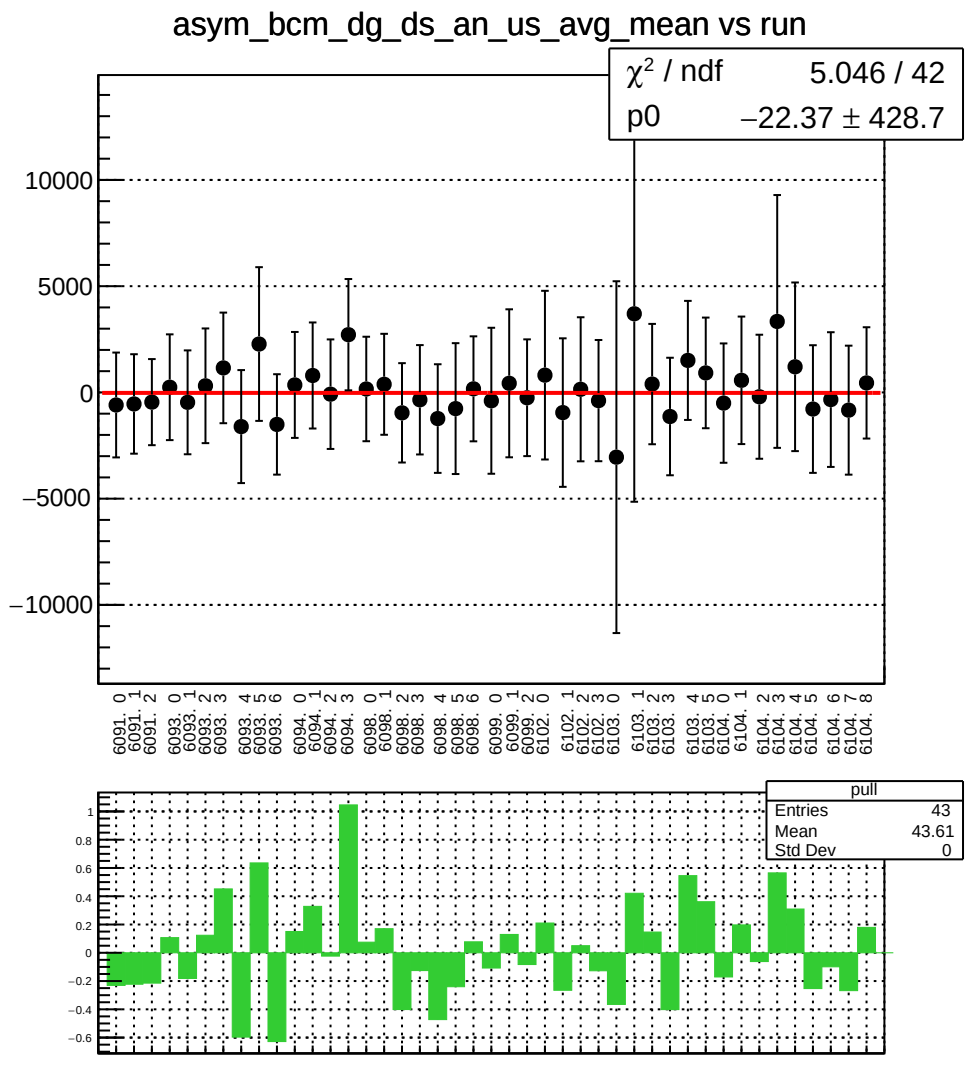

pull1D
Entries 43
Mean 0.01392
Std Dev 0.3261
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

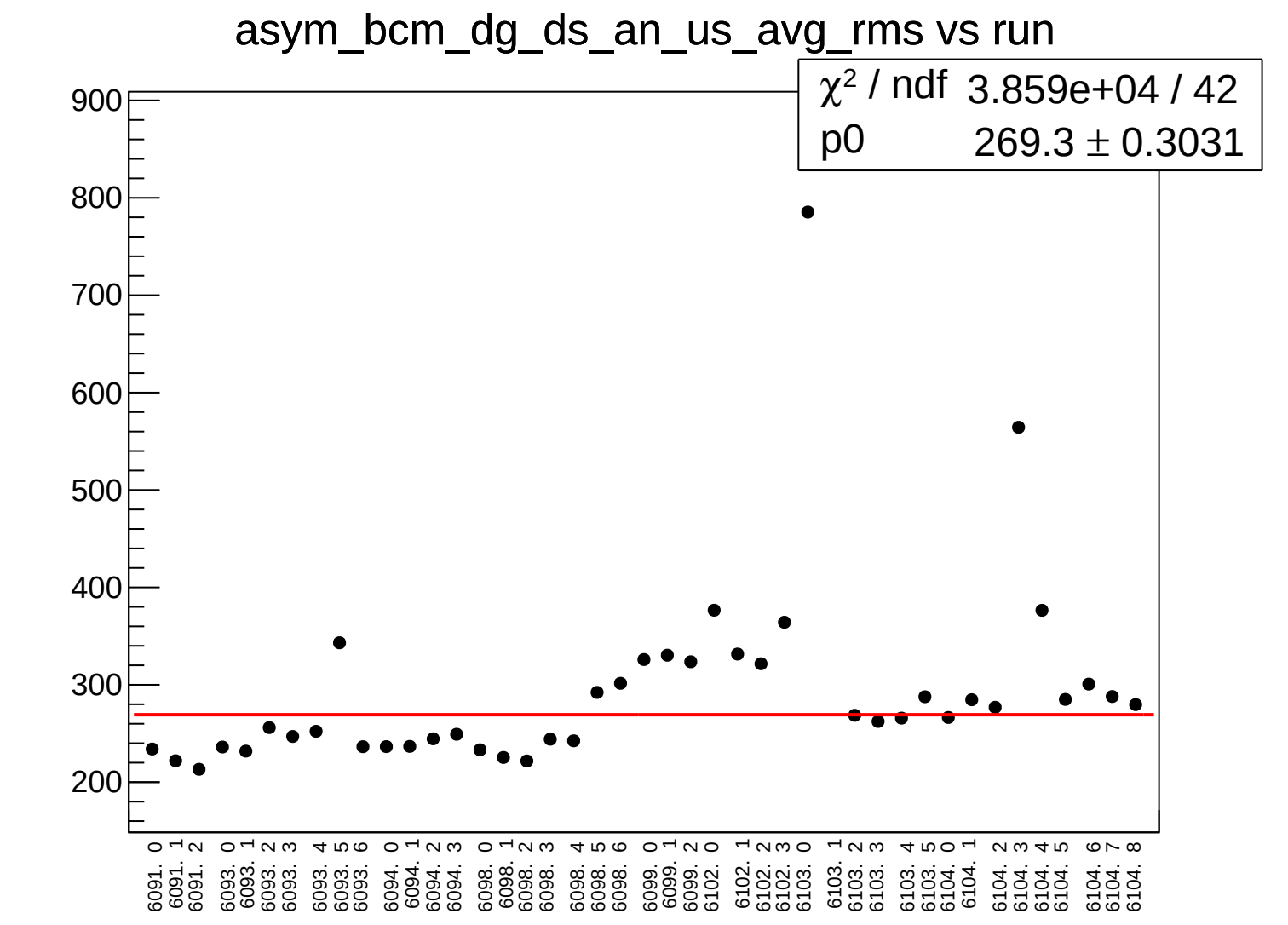

asym_bcm_dg_us_an_us_avg_rms vs run
χ² / ndf 3.808e+04 / 42
p0 267.9 ± 0.3015
900
800
700
600
500
400
300
200
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

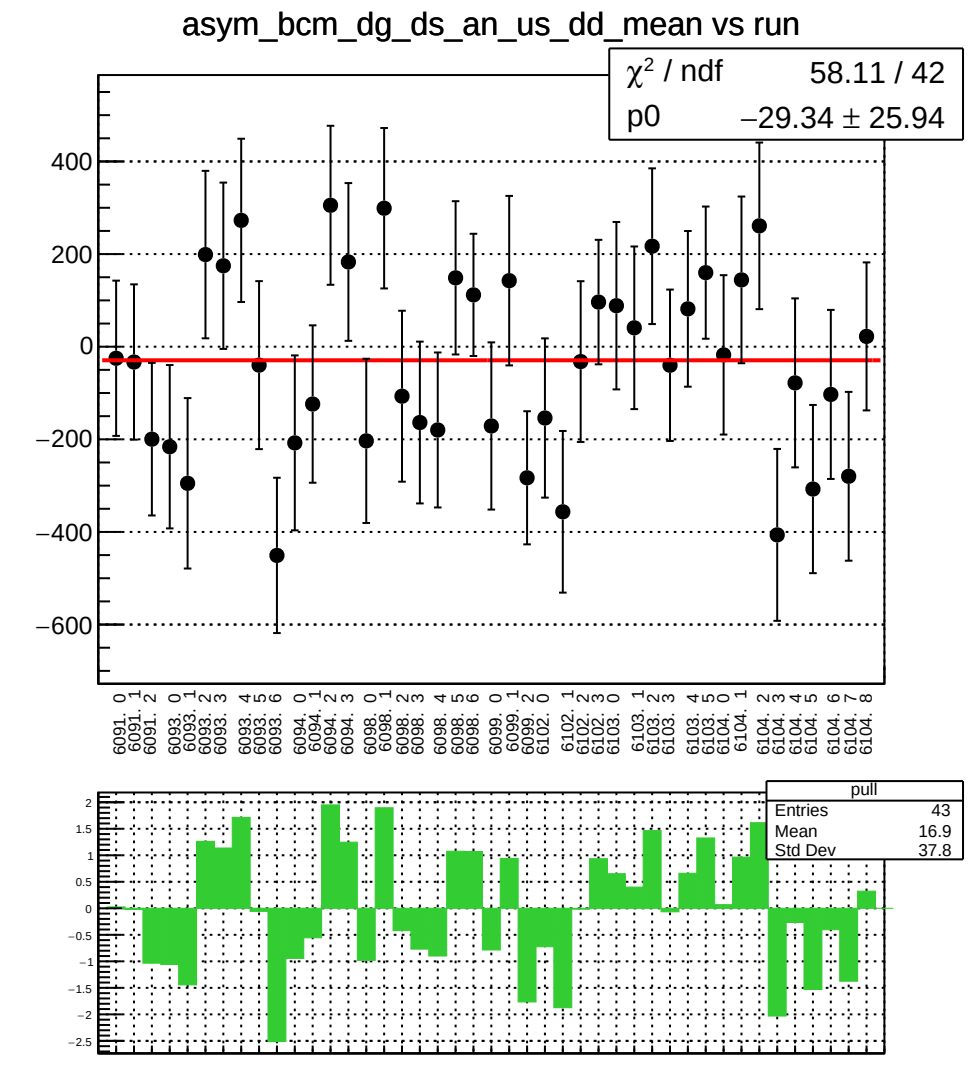

asym_bcm_dg_us_an_us_dd_mean vs run
χ² / ndf 59.09 / 42
p0 −6.443 ± 33.91
pull
Entries 43
Mean −483.2
Std Dev 0

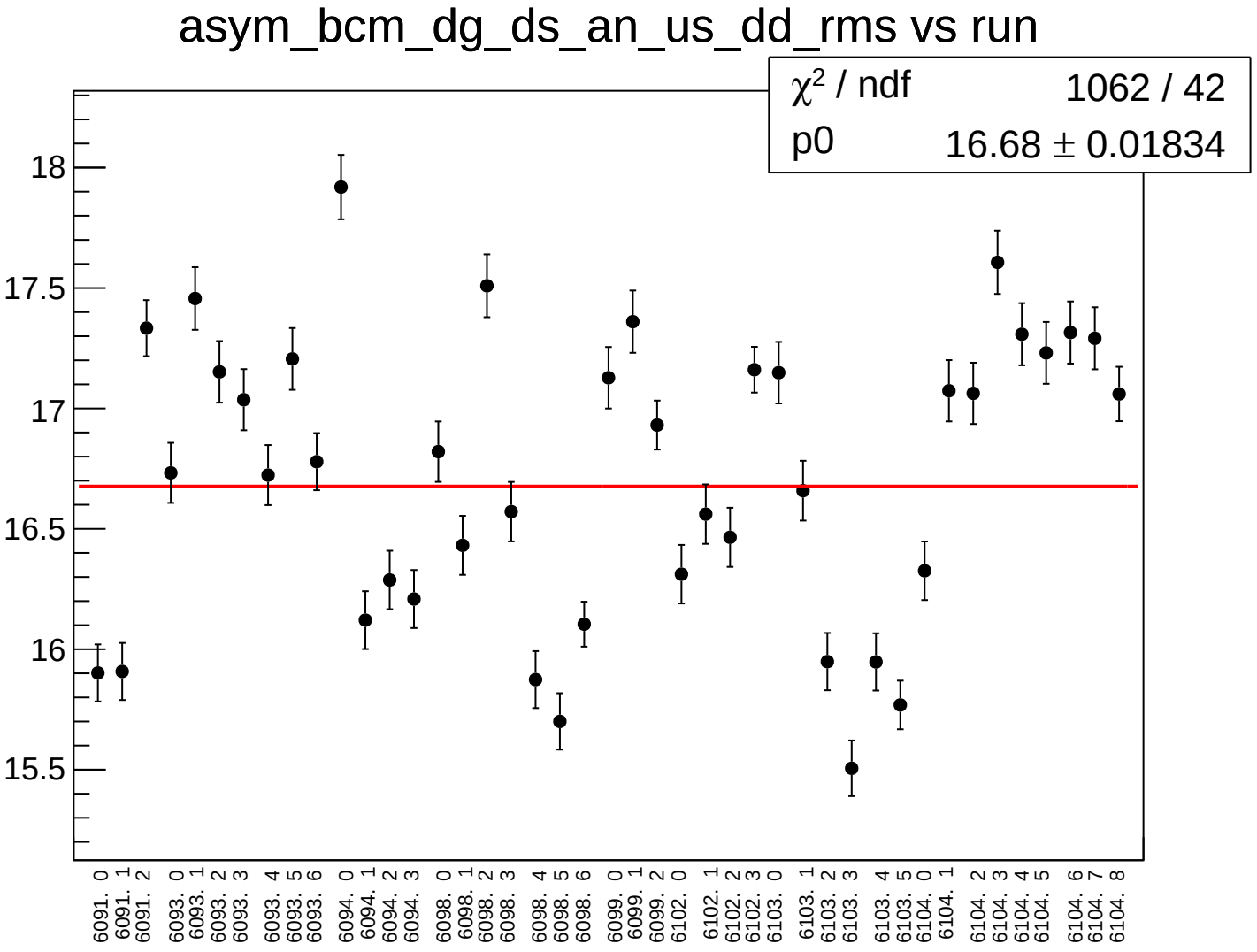

pull1D
Entries 43
Mean 0.00742
Std Dev 1.172

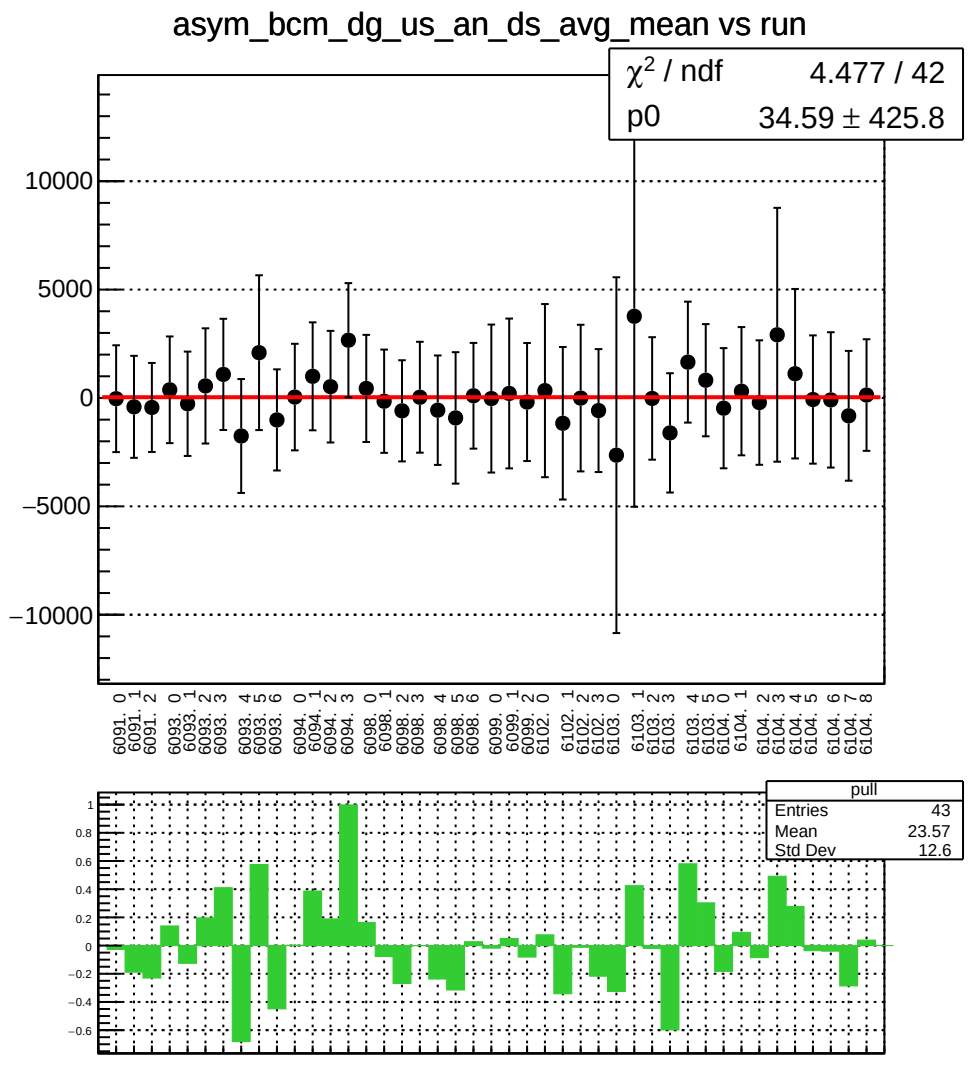

asym_bcm_dg_us_an_us_dd_rms vs run
χ² / ndf 285 / 42
p0 21.81 ± 0.02398
23
22.5
22
21.5
21
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

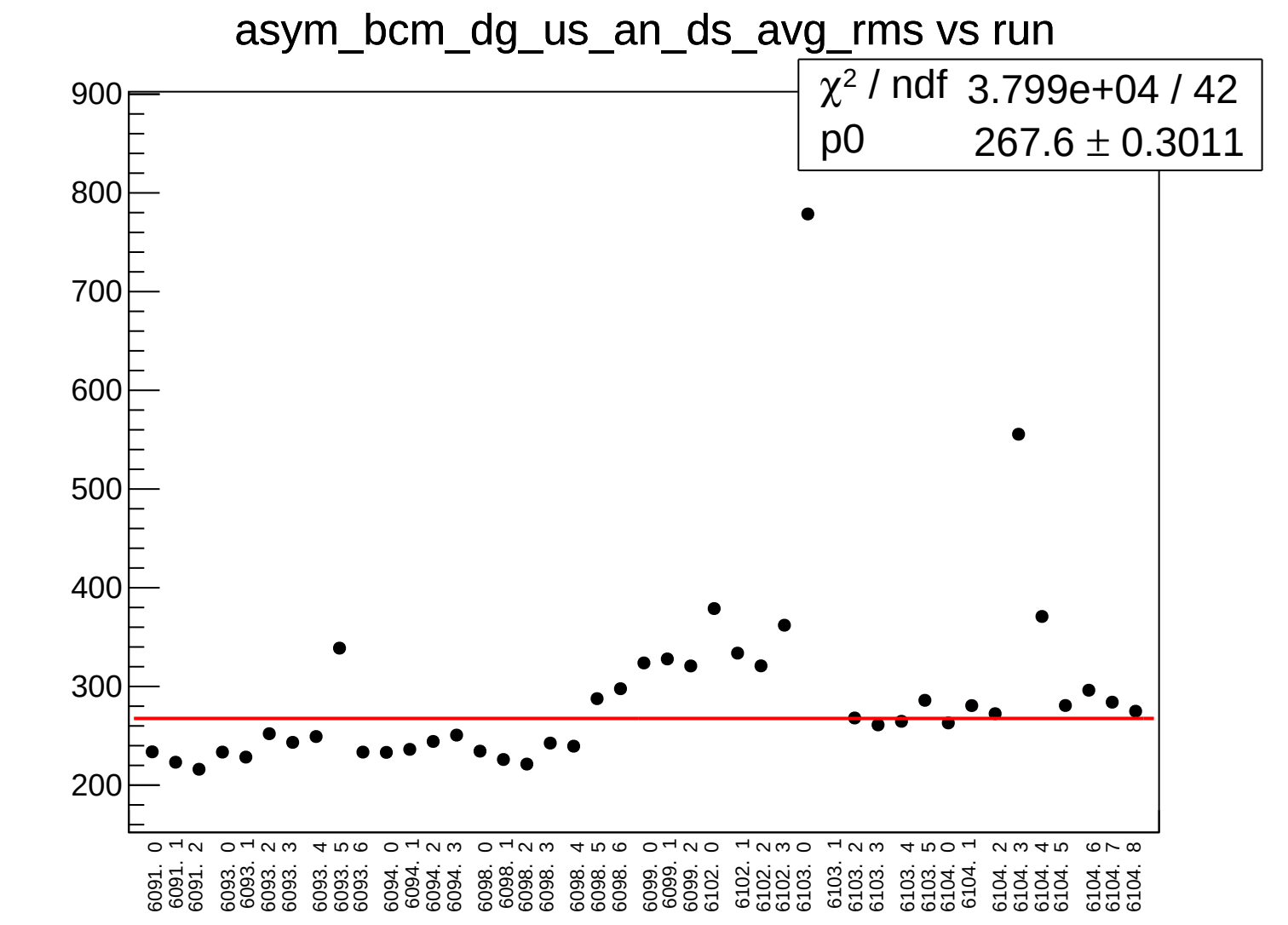

asym_bcm_dg_ds_an_us_avg_mean vs run
χ² / ndf 5.046 / 42
p0 −22.37 ± 428.7
10000
5000
0
−5000
−10000
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 43.61
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
pull1D
Entries 43
Mean 0.01728
Std Dev 0.3421
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

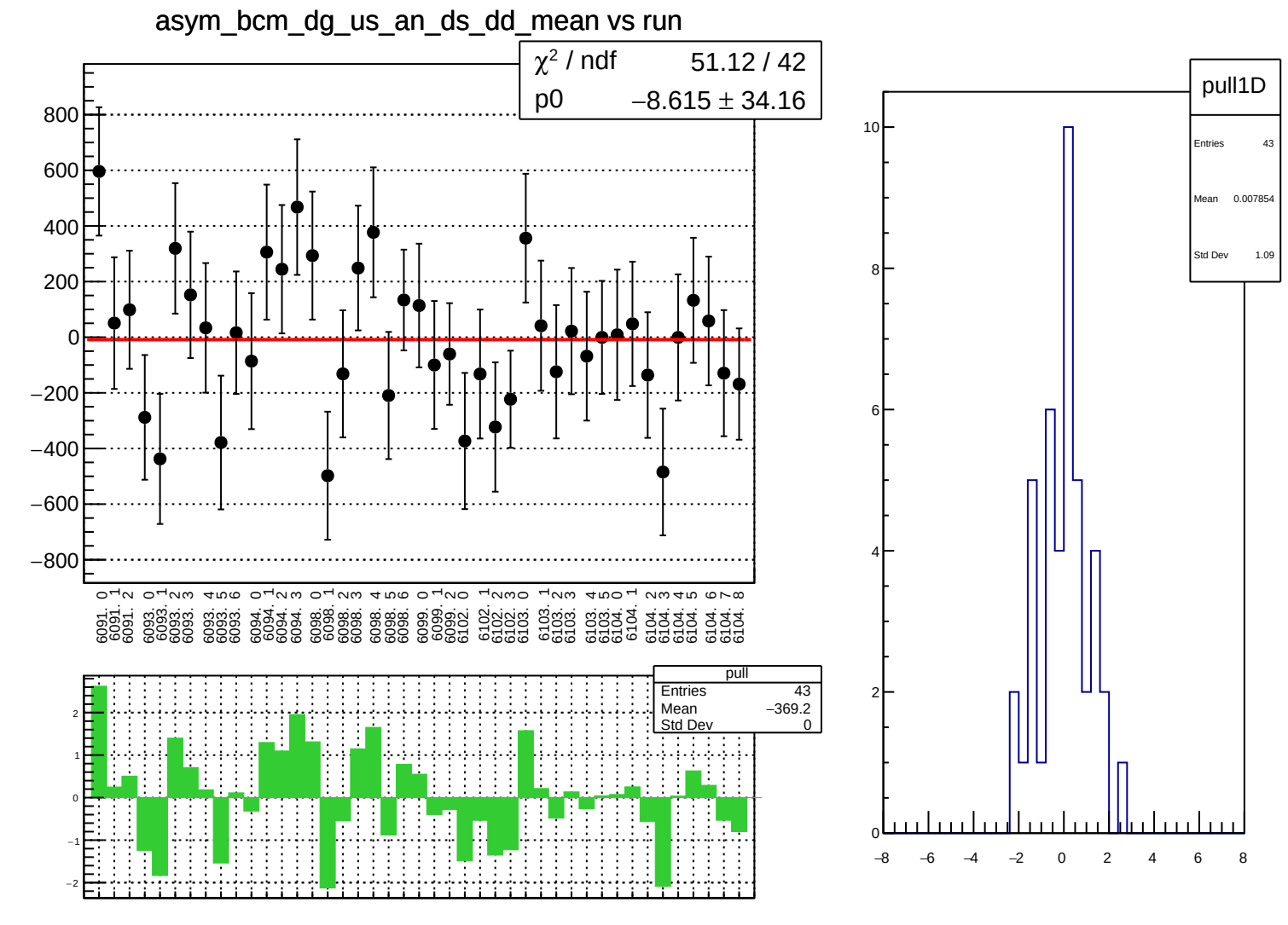

asym_bcm_dg_ds_an_us_avg_rms vs run
χ² / ndf 3.859e+04 / 42
p0 269.3 ± 0.3031
900
800
700
600
500
400
300
200
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

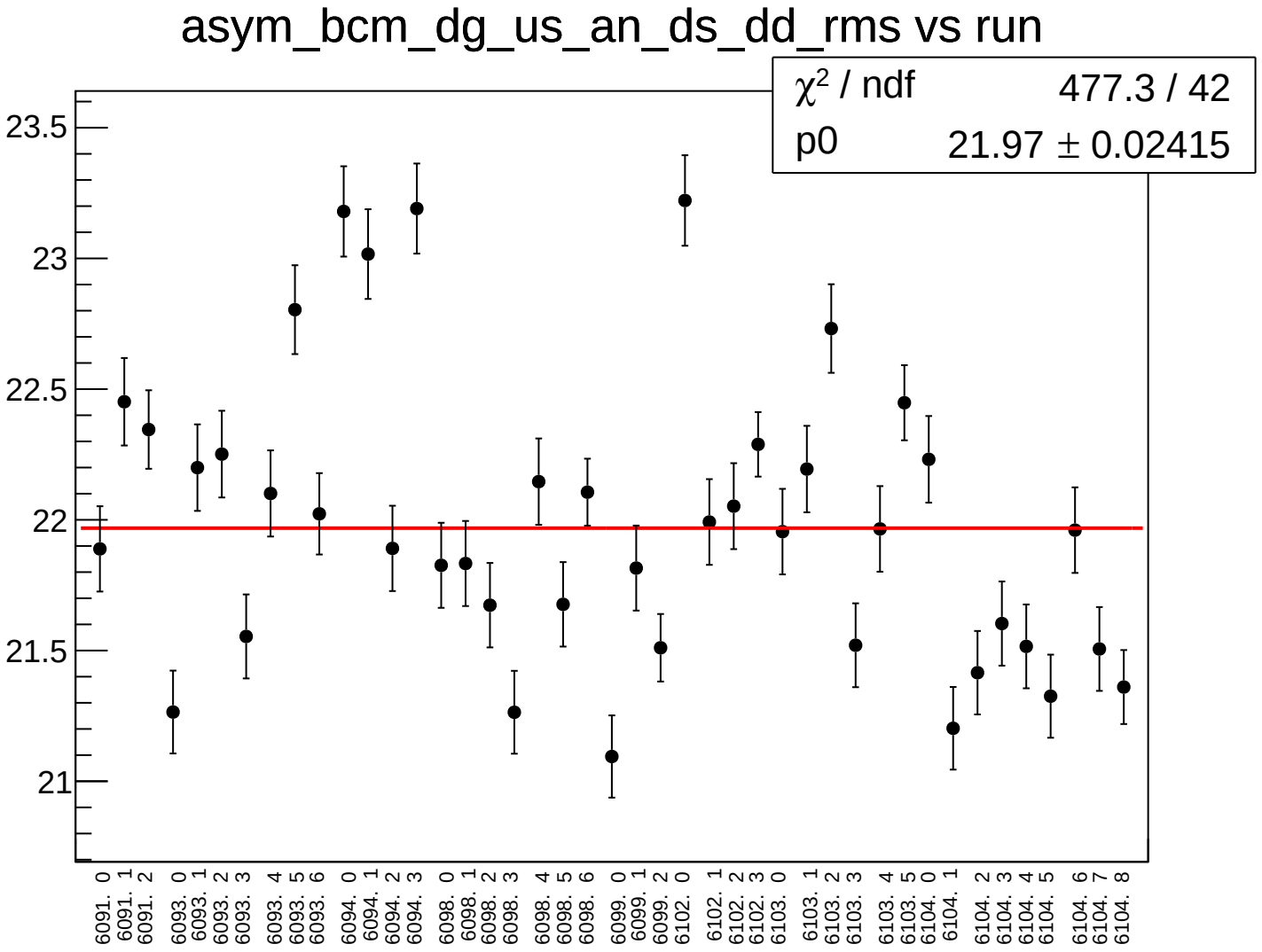

asym_bcm_dg_ds_an_us_dd_mean vs run
χ² / ndf 58.11 / 42
p0 −29.34 ± 25.94
400
200
0
−200
−400
−600
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 16.9
Std Dev 37.8
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5
pull1D
Entries 43
Mean −0.01887
Std Dev 1.162
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

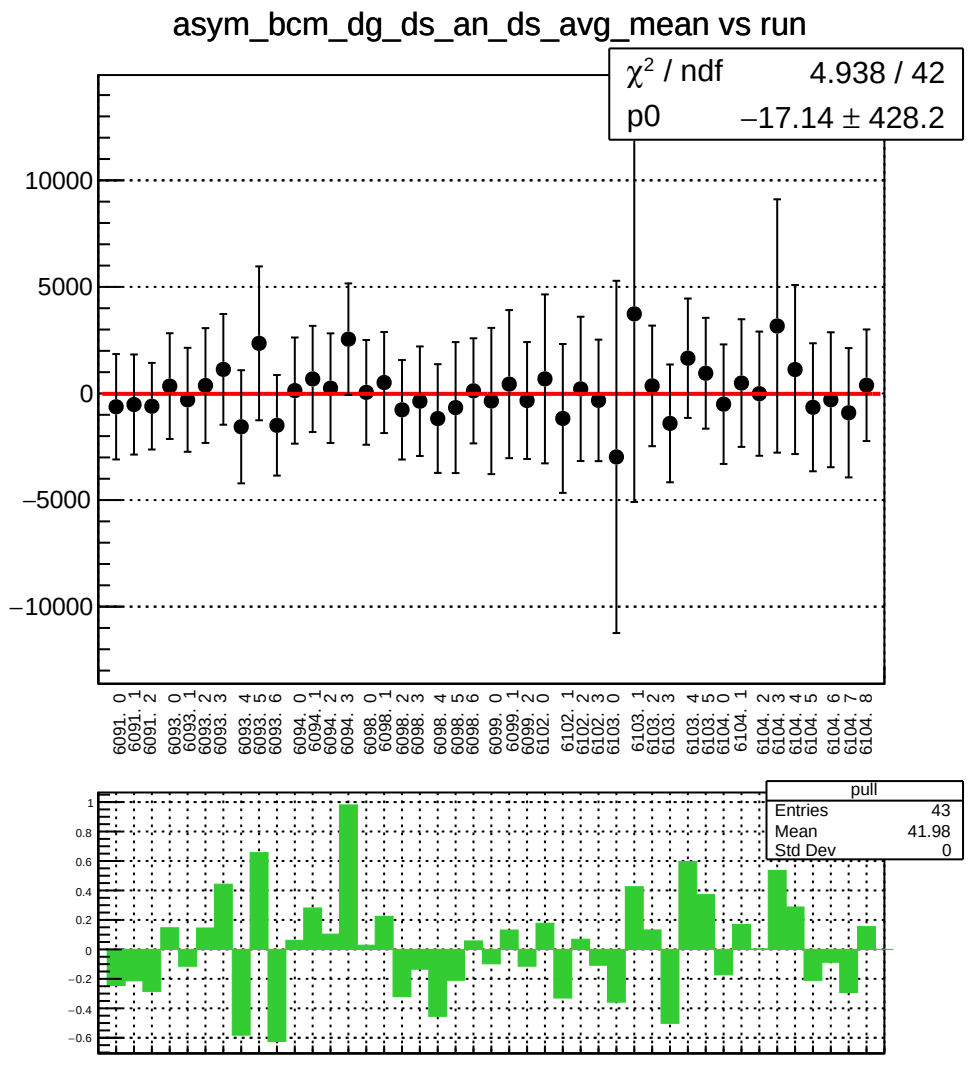

asym_bcm_dg_ds_an_us_dd_rms vs run
χ² / ndf 1062 / 42
p0 16.68 ± 0.01834
18
17.5
17
16.5
16
15.5
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

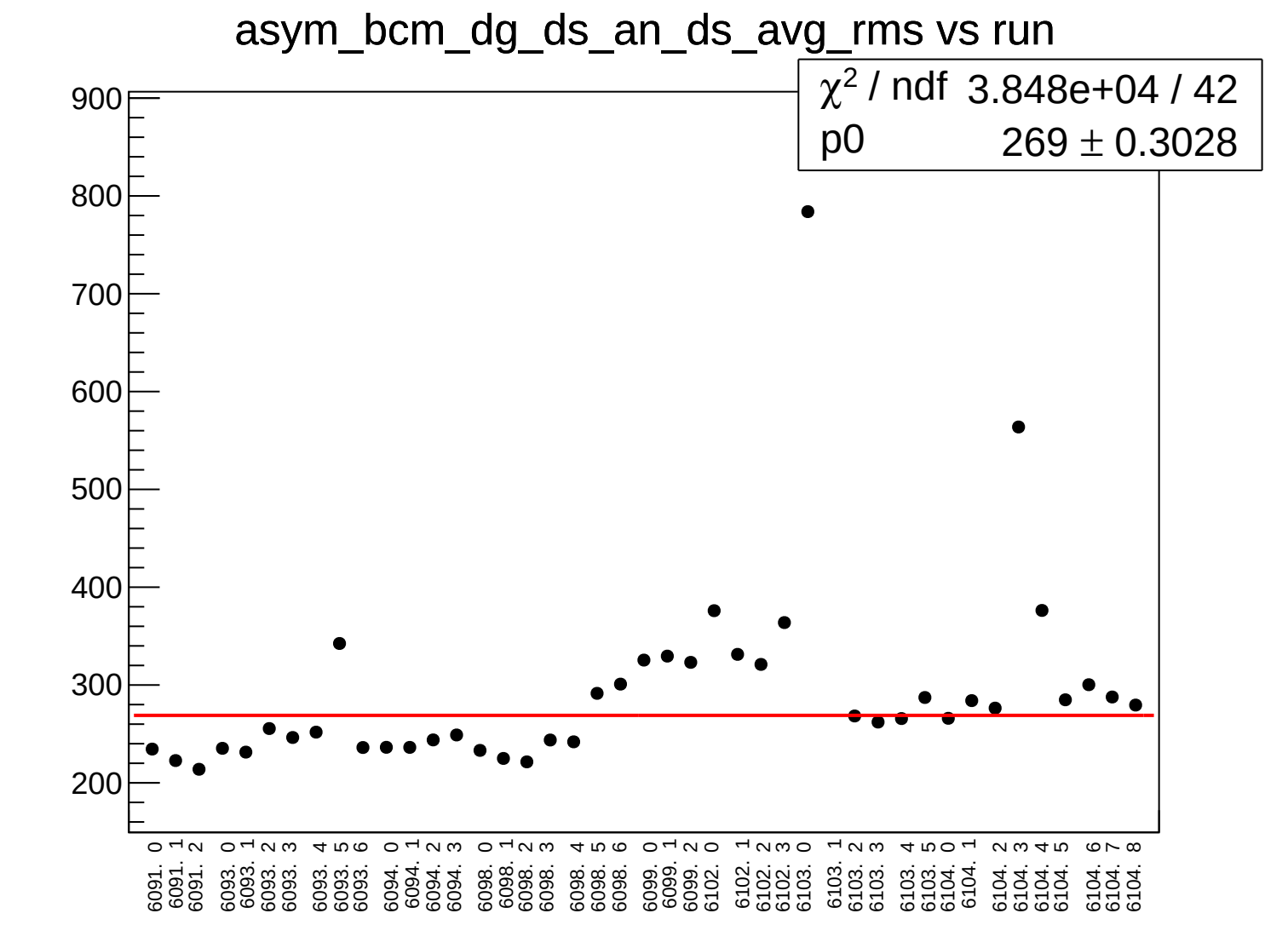

asym_bcm_dg_us_an_ds_avg_mean vs run
χ² / ndf 4.477 / 42
p0 34.59 ± 425.8
10000
5000
0
−5000
−10000
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 23.57
Std Dev 12.6
1
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
pull1D
Entries 43
Mean 0.01345
Std Dev 0.3224
22
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

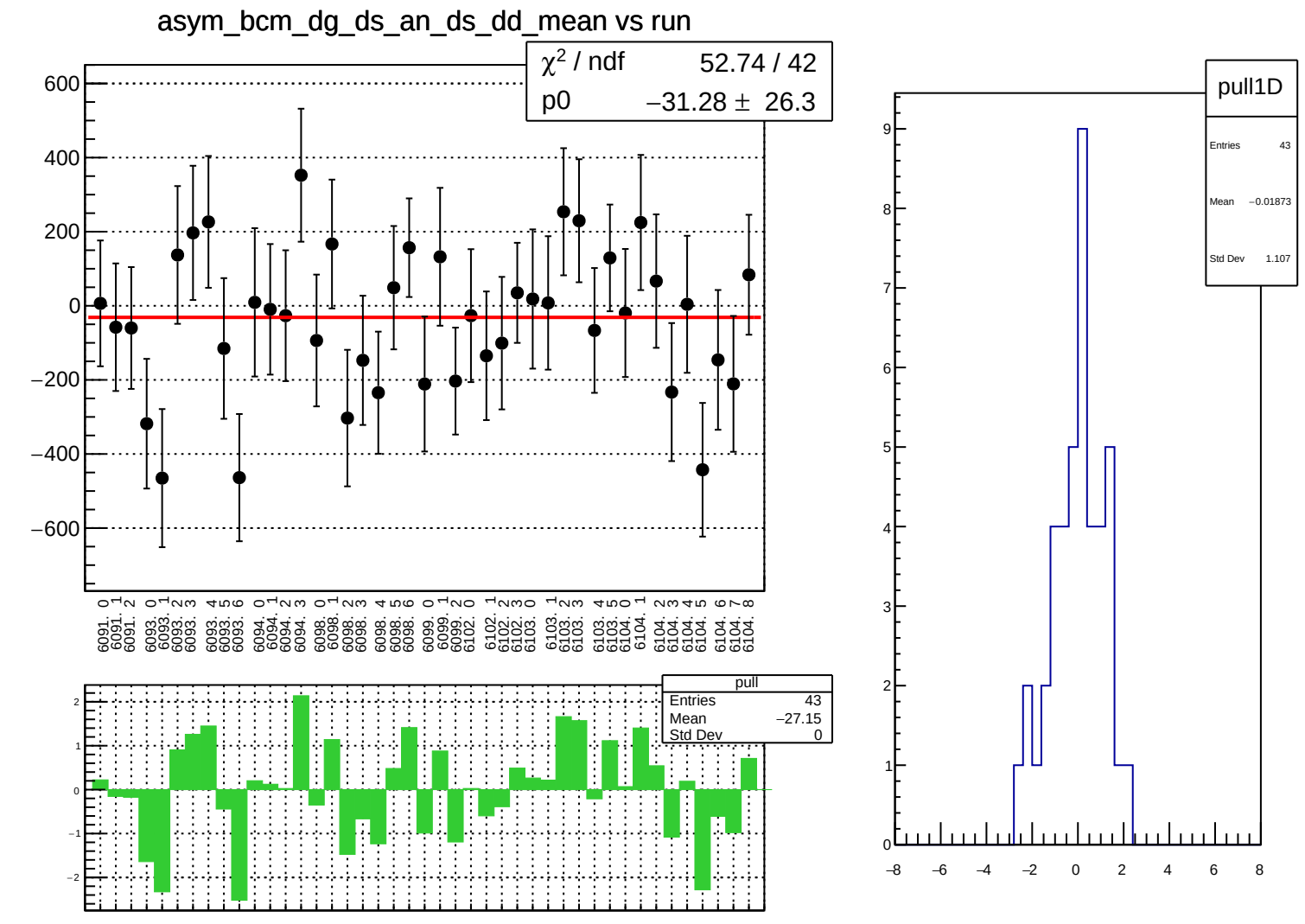

asym_bcm_dg_us_an_ds_avg_rms vs run
χ² / ndf 3.799e+04 / 42
p0 267.6 ± 0.3011
900
800
700
600
500
400
300
200
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

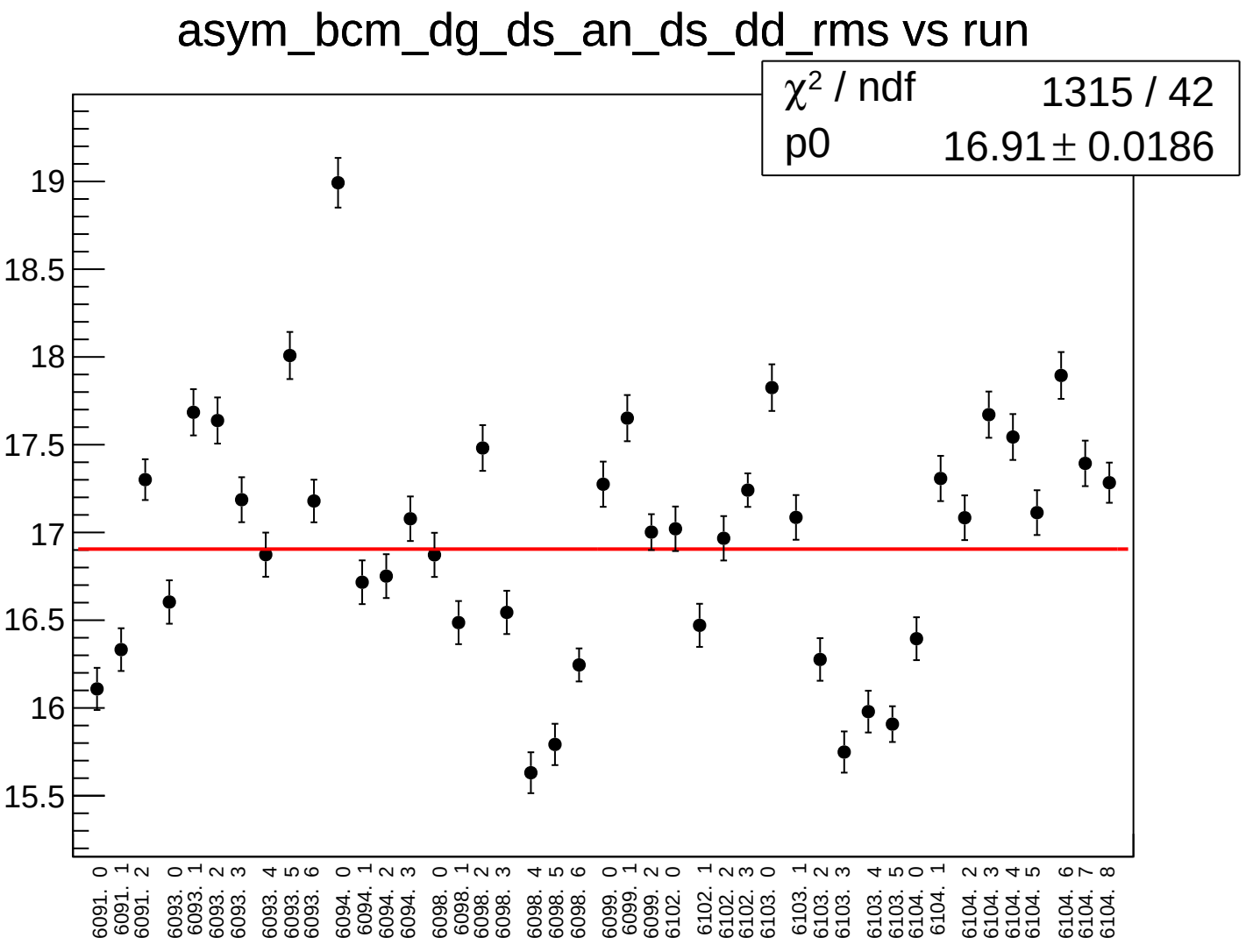

asym_bcm_dg_us_an_ds_dd_mean vs run
χ² / ndf 51.12 / 42
p0 −8.615 ± 34.16
pull
Entries 43
Mean −369.2
Std Dev 0
pull1D
Entries 43
Mean 0.007854
Std Dev 1.09

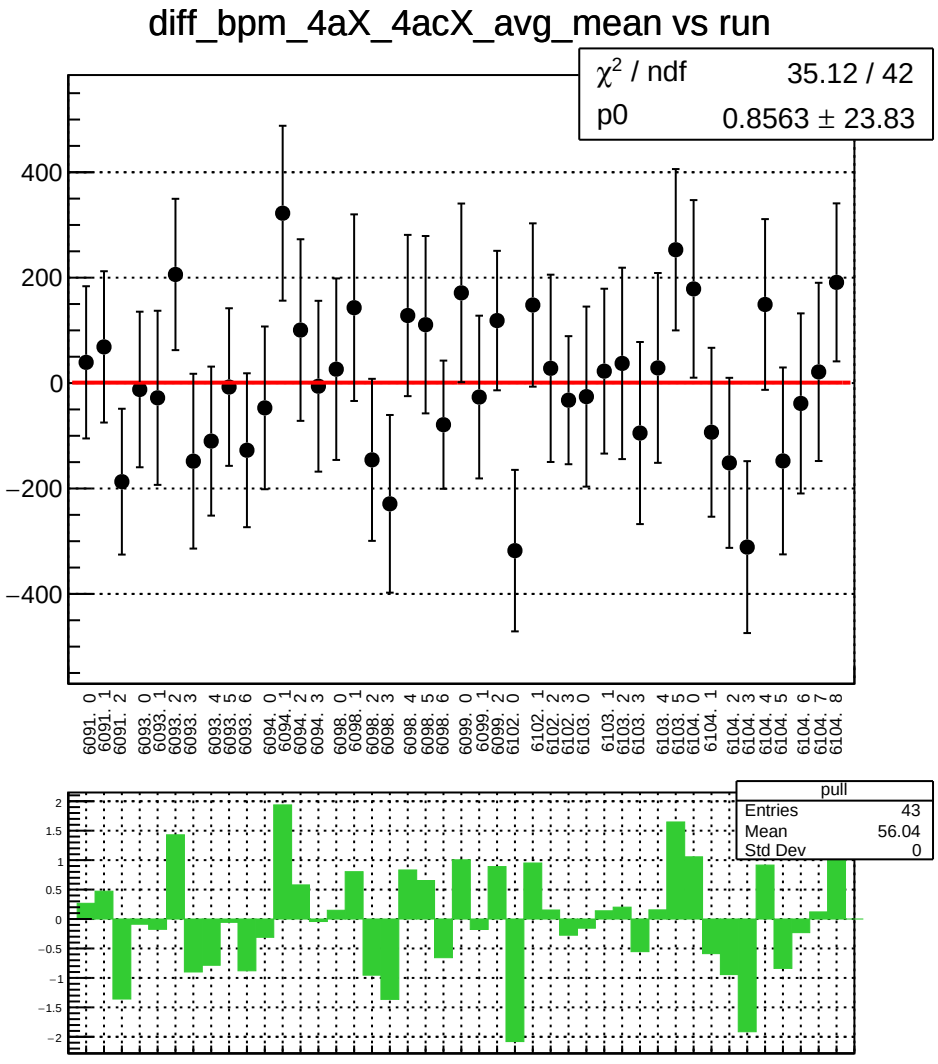

asym_bcm_dg_us_an_ds_dd_rms vs run
χ² / ndf 477.3 / 42
p0 21.97 ± 0.02415
23.5
23
22.5
22
21.5
21
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

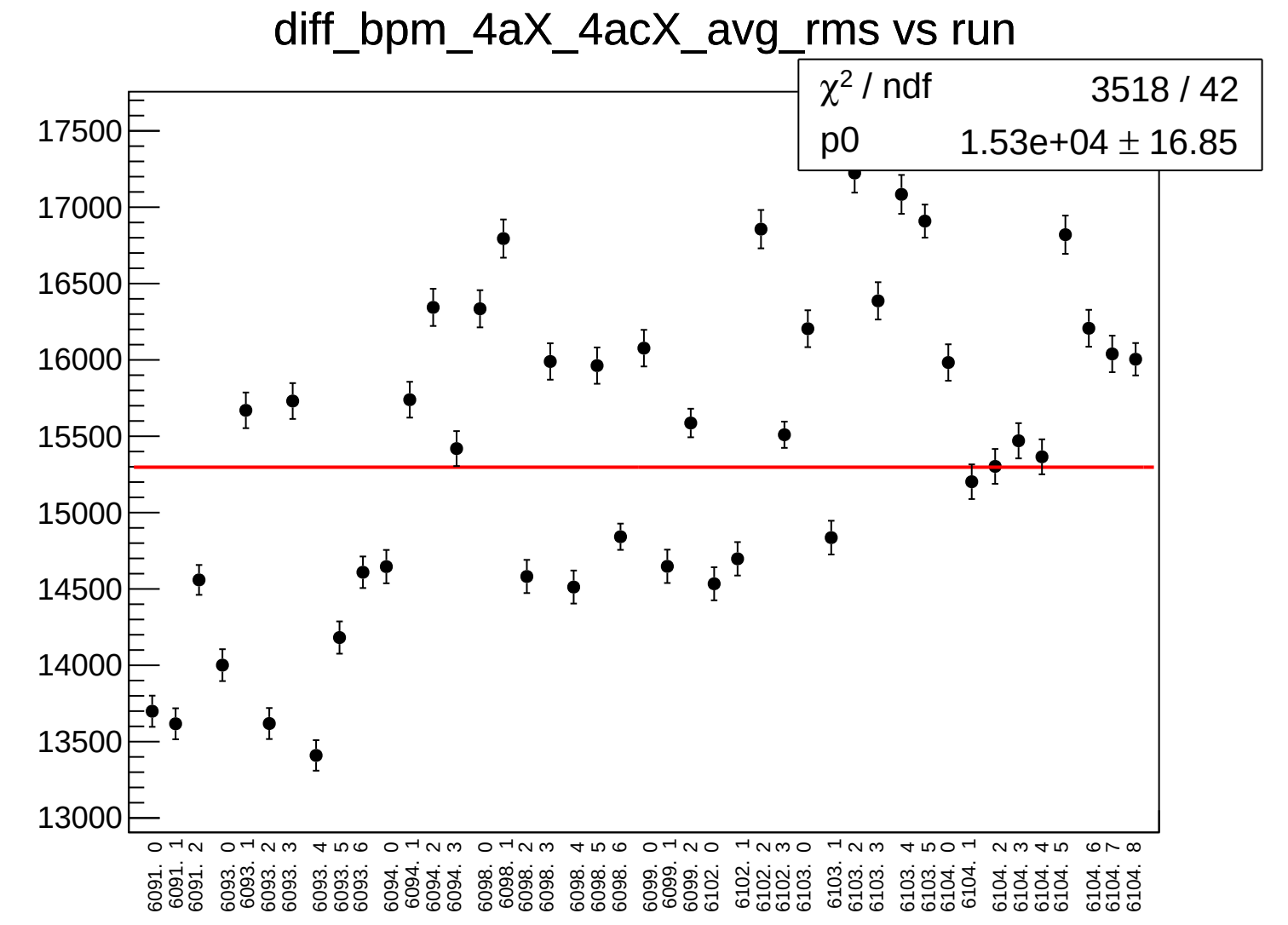

asym_bcm_dg_ds_an_ds_avg_mean vs run
χ² / ndf 4.938 / 42
p0 −17.14 ± 428.2
10000
5000
0
−5000
−10000
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 41.98
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
pull1D
Entries 43
Mean 0.01685
Std Dev 0.3384
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

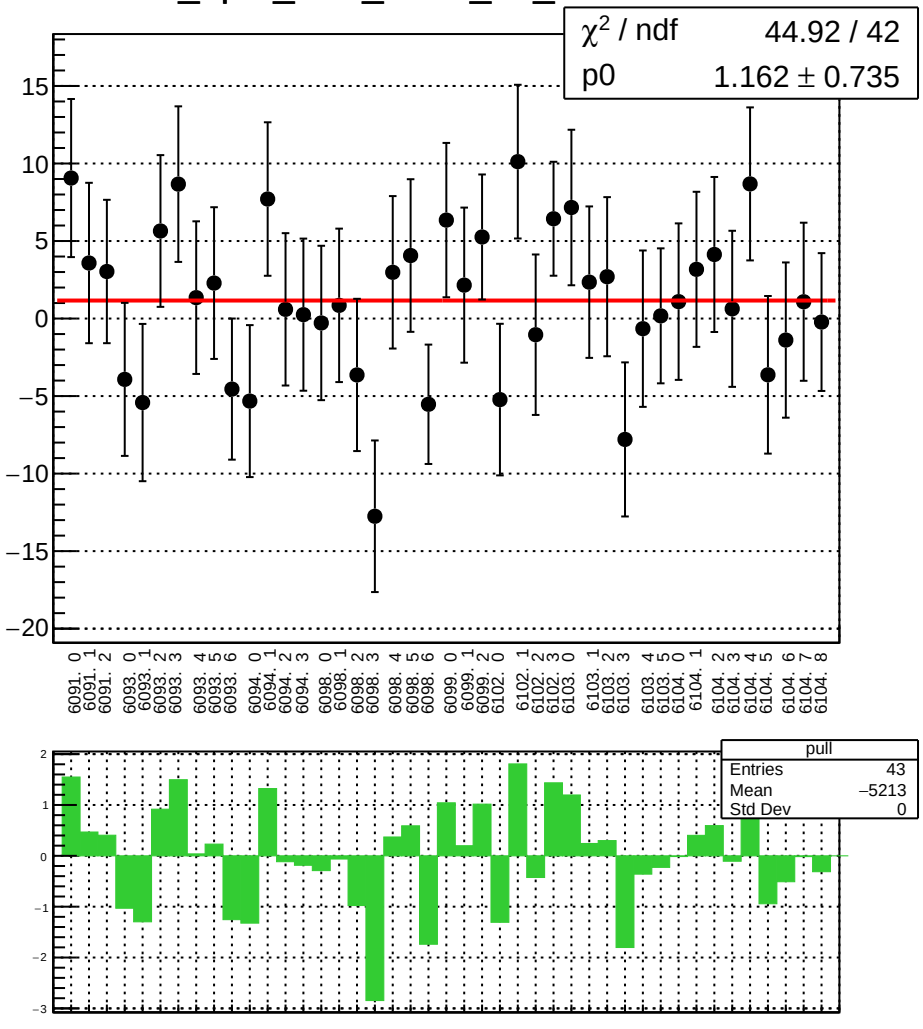

asym_bcm_dg_ds_an_ds_avg_rms vs run
χ² / ndf 3.848e+04 / 42
p0 269 ± 0.3028
900
800
700
600
500
400
300
200
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

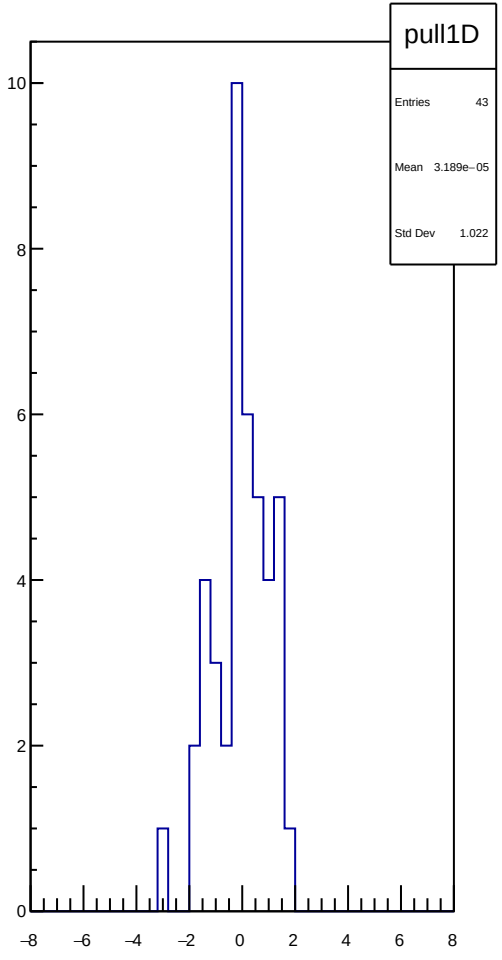

asym_bcm_dg_ds_an_ds_dd_mean vs run
χ² / ndf 52.74 / 42
p0 −31.28 ± 26.3
600
400
200
0
−200
−400
−600
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean −27.15
Std Dev 0
2
1
0
−1
−2
pull1D
Entries 43
Mean −0.01873
Std Dev 1.107
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

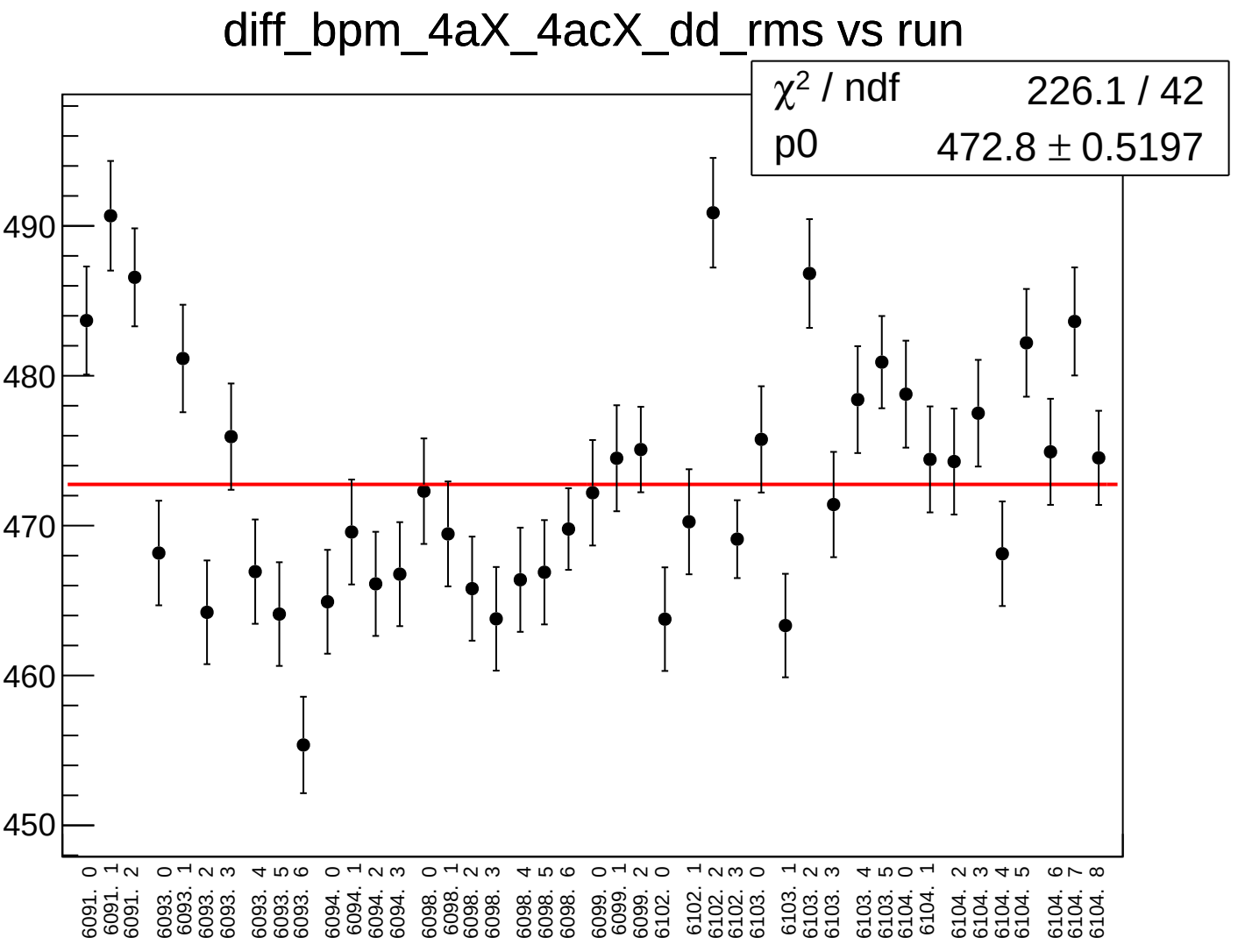

asym_bcm_dg_ds_an_ds_dd_rms vs run
χ² / ndf 1315 / 42
p0 16.91 ± 0.0186
19
18.5
18
17.5
17
16.5
16
15.5
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

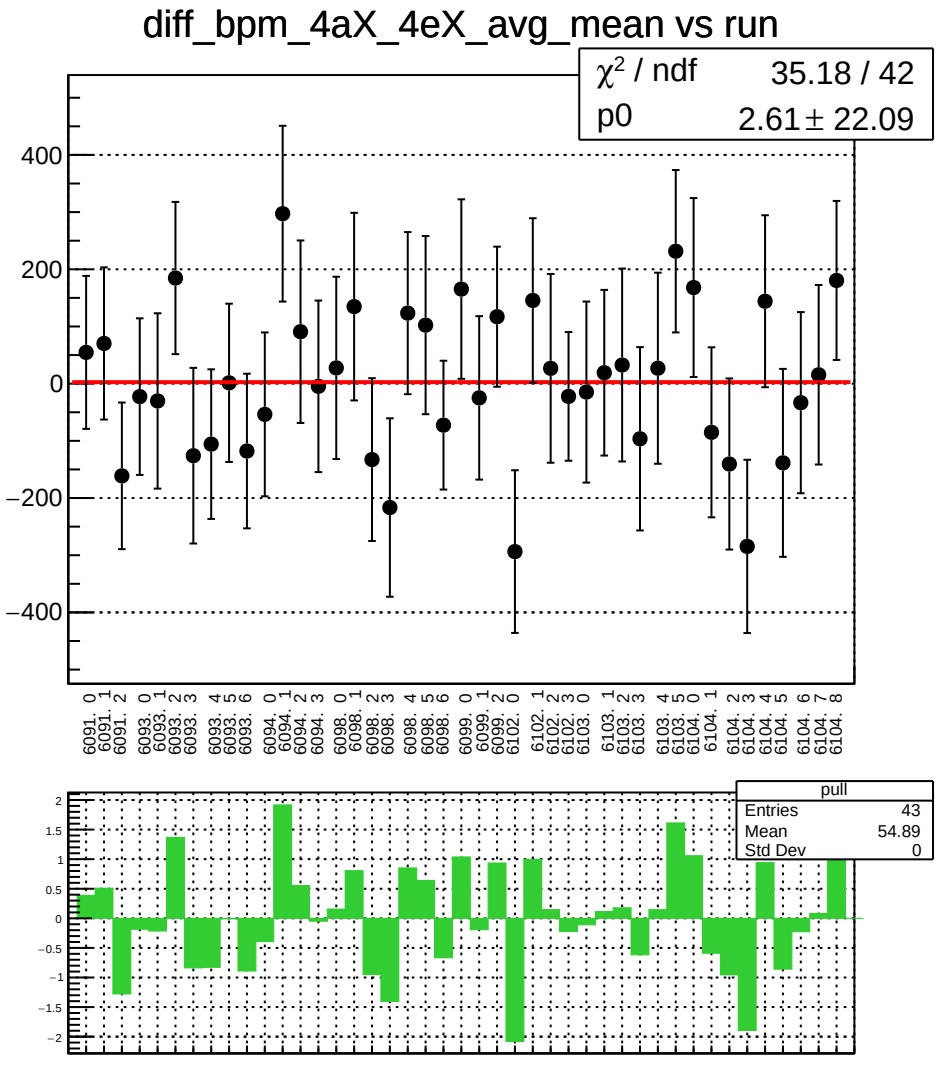

diff_bpm_4aX_4acX_avg_mean vs run
χ² / ndf 35.12 / 42
p0 0.8563 ± 23.83
400
200
0
−200
−400
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 56.04
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 43
Mean 0.007069
Std Dev 0.9037
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

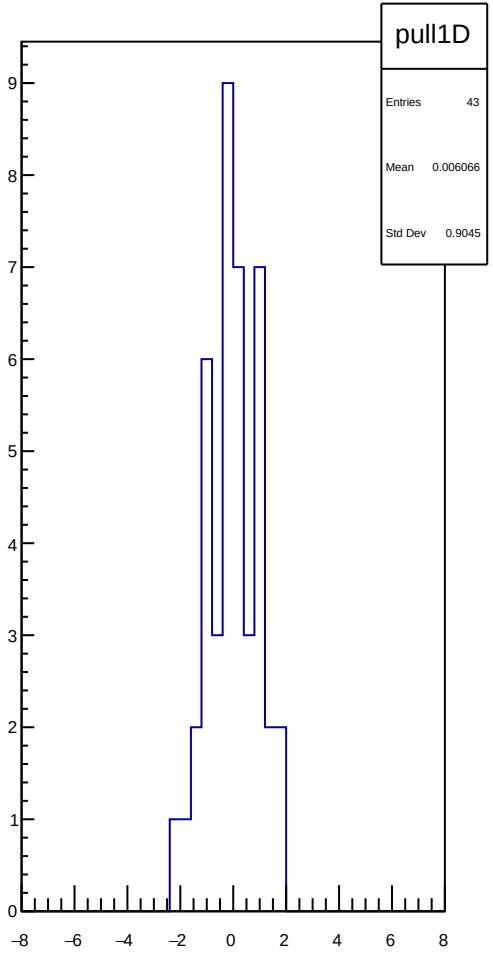

diff_bpm_4aX_4acX_avg_rms vs run
χ² / ndf 3518 / 42
p0 1.53e+04 ± 16.85
17500
17000
16500
16000
15500
15000
14500
14000
13500
13000
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

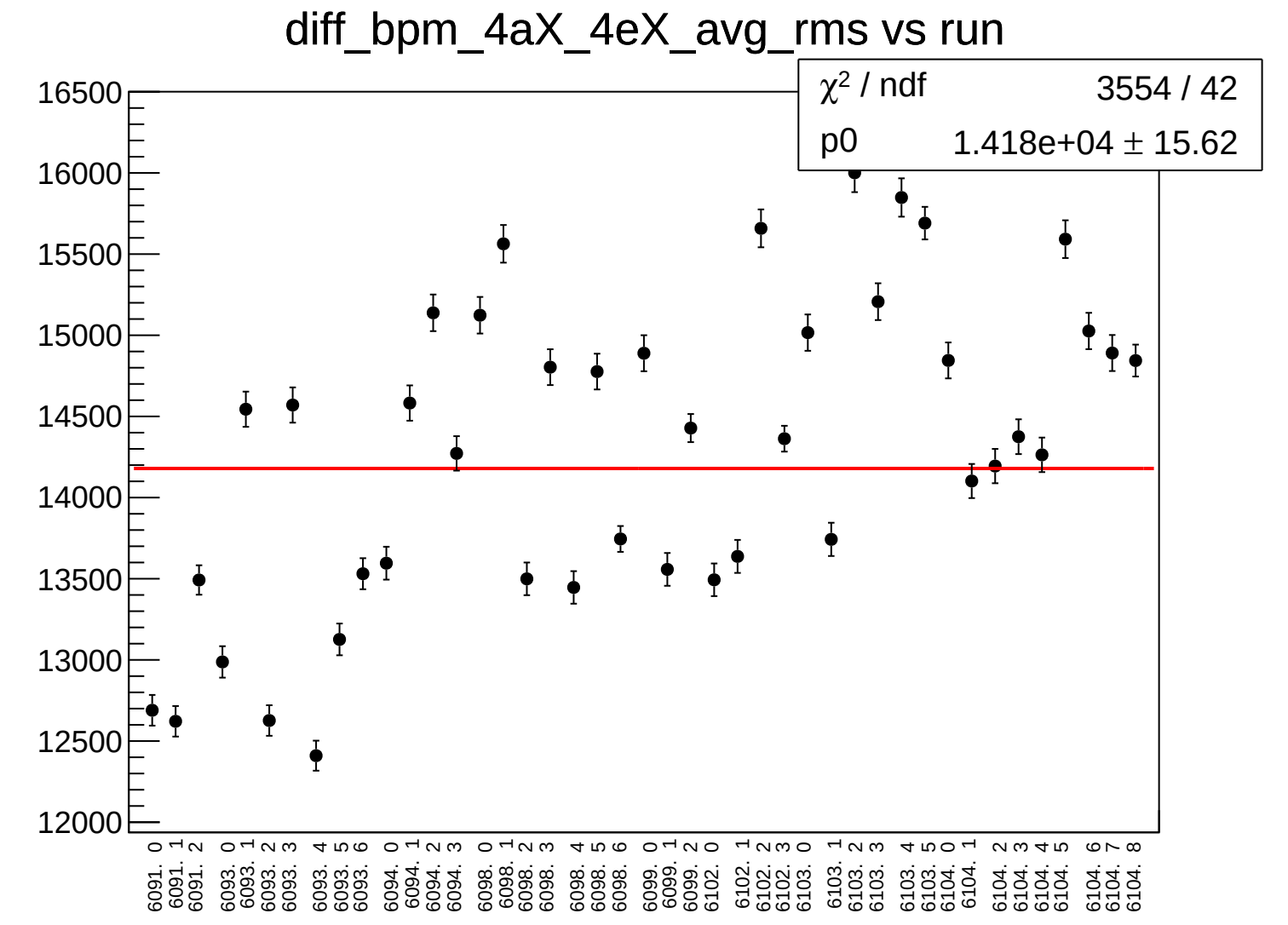

diff_bpm_4aX_4acX_dd_mean vs run
χ² / ndf 44.92 / 42
p0 1.162 ± 0.735
pull
Entries 43
Mean −5213
Std Dev 0

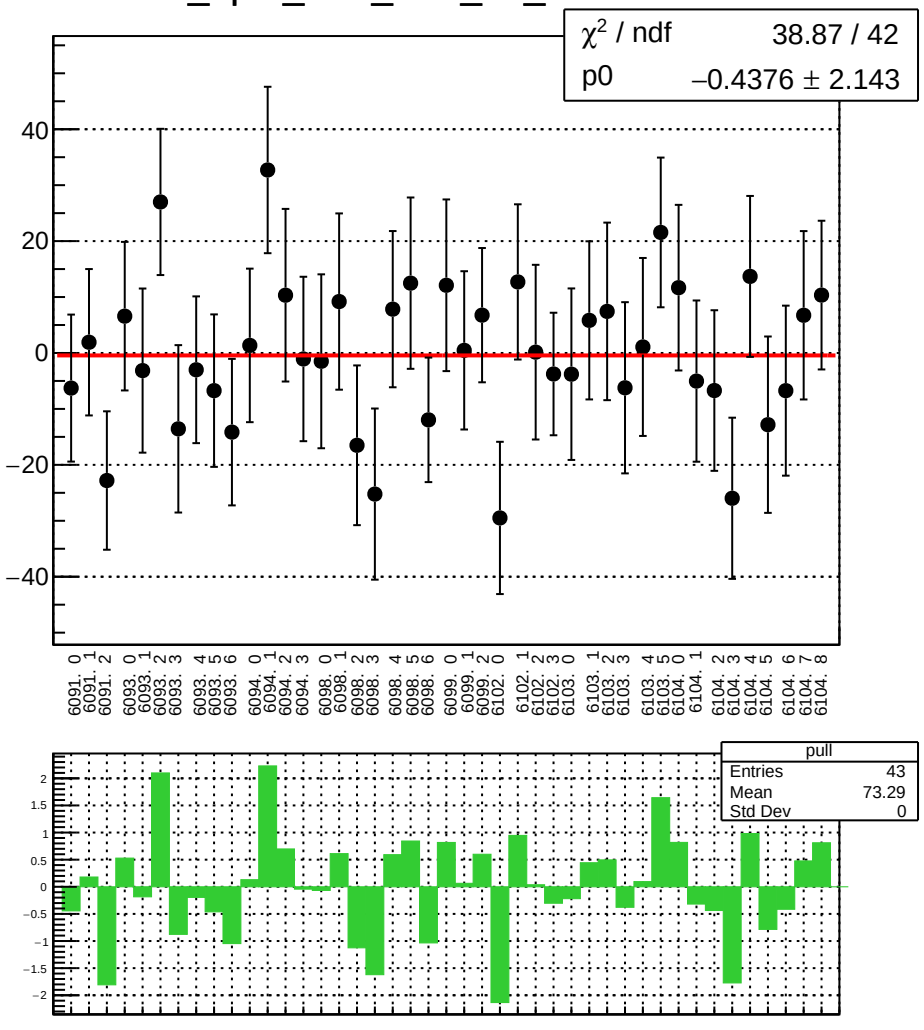

pull1D
Entries 43
Mean 3.189e−05
Std Dev 1.022

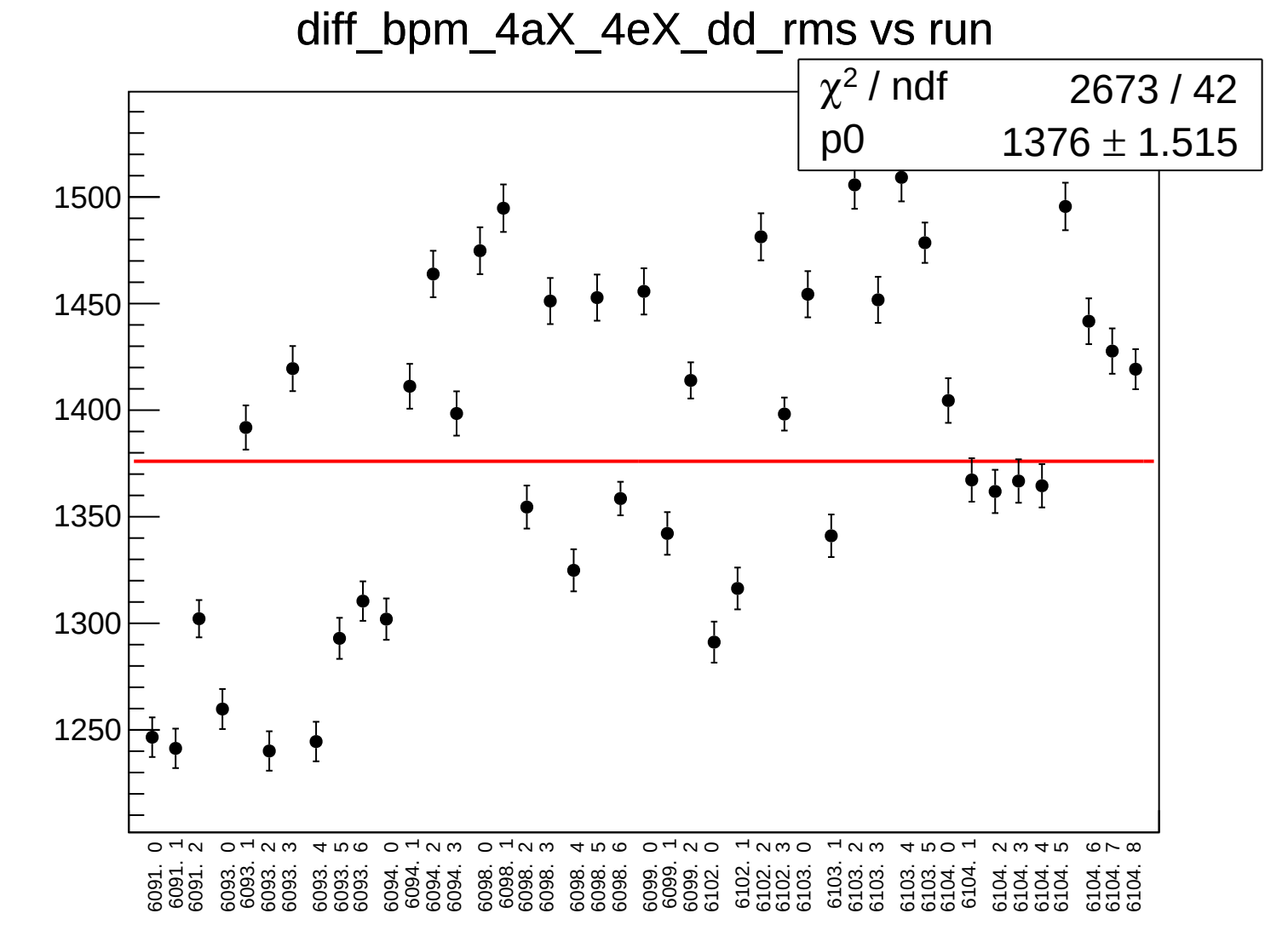

diff_bpm_4aX_4acX_dd_rms vs run
χ² / ndf 226.1 / 42
p0 472.8 ± 0.5197
490
480
470
460
450
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

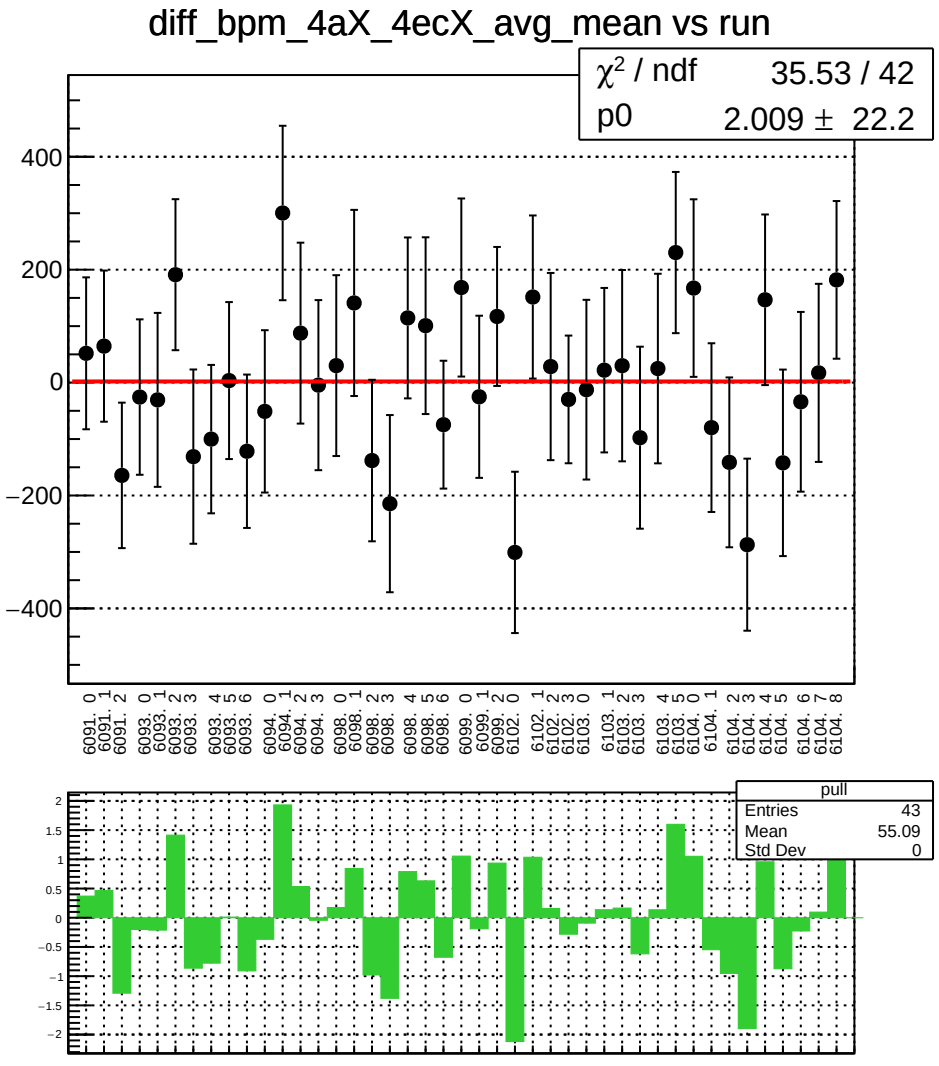

diff_bpm_4aX_4eX_avg_mean vs run
χ² / ndf 35.18 / 42
p0 2.61 ± 22.09
400
200
0
−200
−400
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 54.89
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

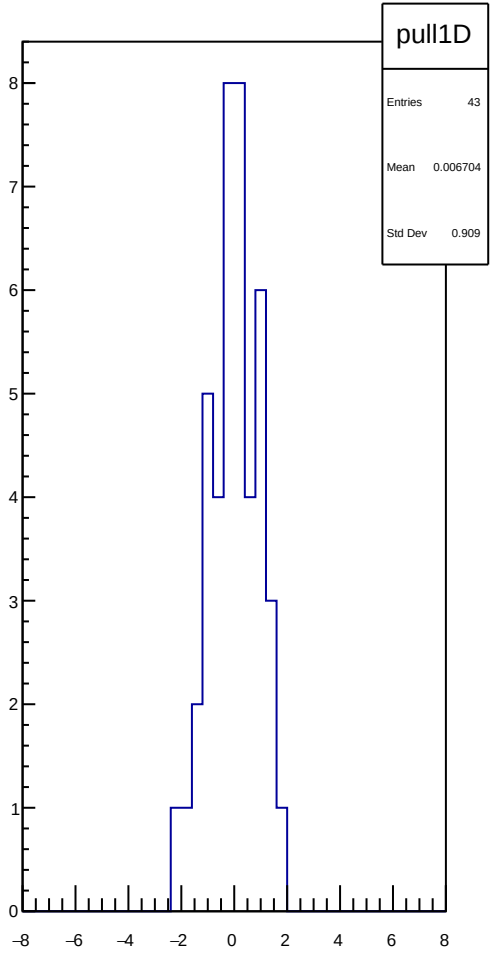

pull1D
Entries 43
Mean 0.006066
Std Dev 0.9045
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

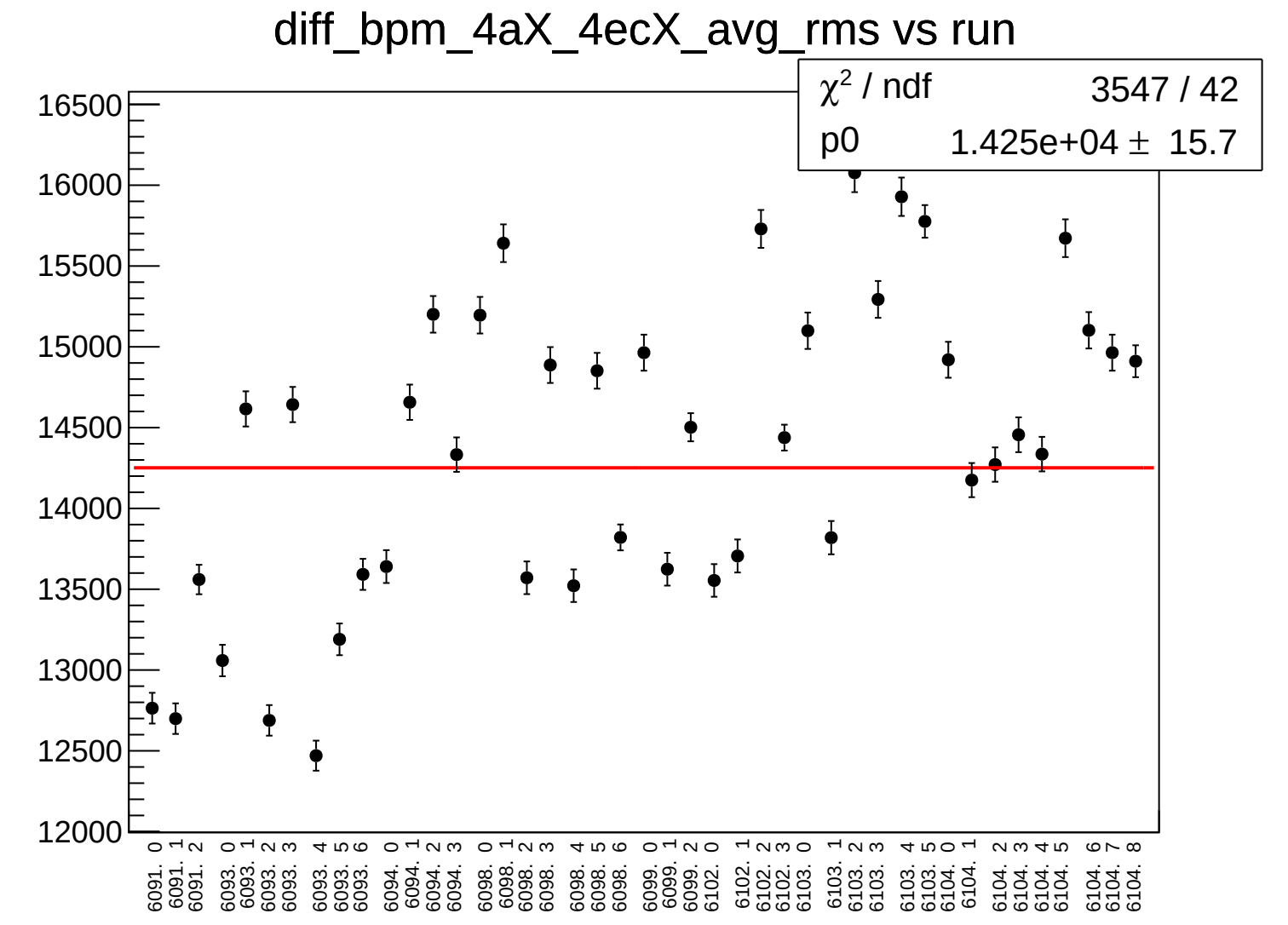

diff_bpm_4aX_4eX_avg_rms vs run
χ² / ndf 3554 / 42
p0 1.418e+04 ± 15.62
16500
16000
15500
15000
14500
14000
13500
13000
12500
12000
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

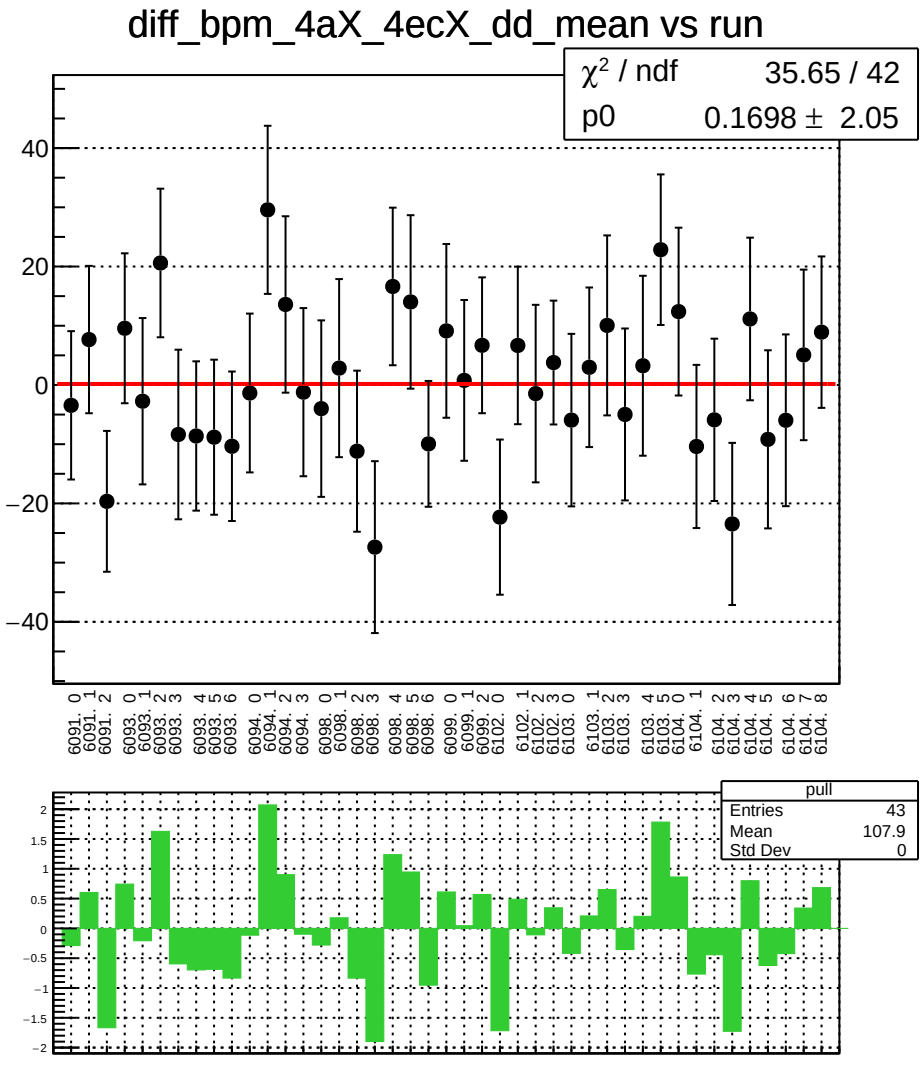

diff_bpm_4aX_4eX_dd_mean vs run
χ² / ndf 38.87 / 42
p0 −0.4376 ± 2.143
40
20
0
−20
−40
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 73.29
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 43
Mean 0.01096
Std Dev 0.9507
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

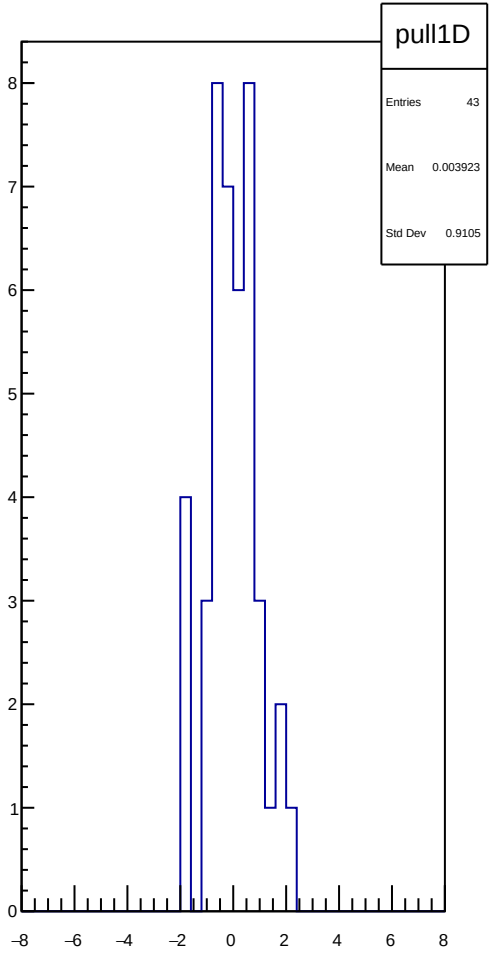

diff_bpm_4aX_4eX_dd_rms vs run
χ² / ndf 2673 / 42
p0 1376 ± 1.515
1500
1450
1400
1350
1300
1250
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

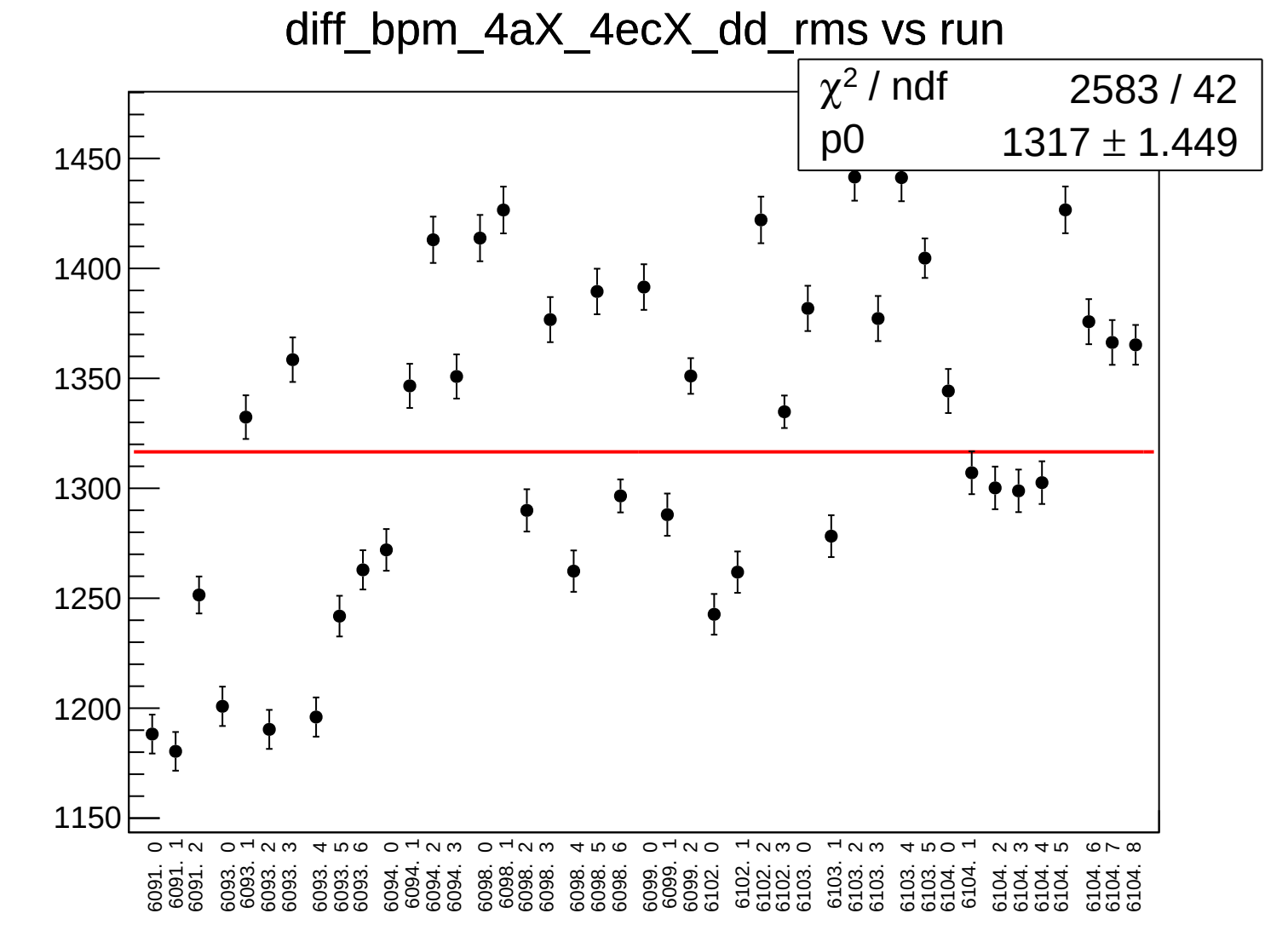

diff_bpm_4aX_4ecX_avg_mean vs run
χ² / ndf 35.53 / 42
p0 2.009 ± 22.2
400
200
0
−200
−400
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 55.09
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

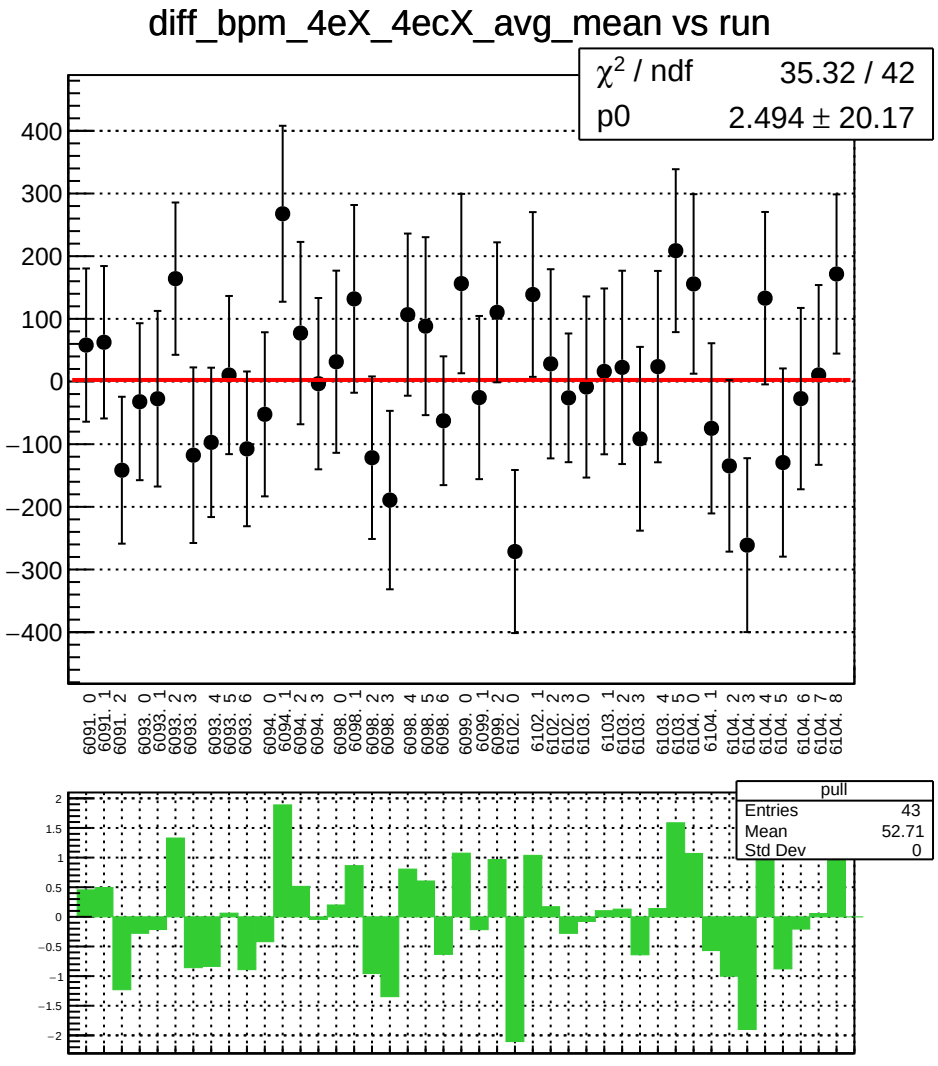

pull1D
Entries 43
Mean 0.006704
Std Dev 0.909
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

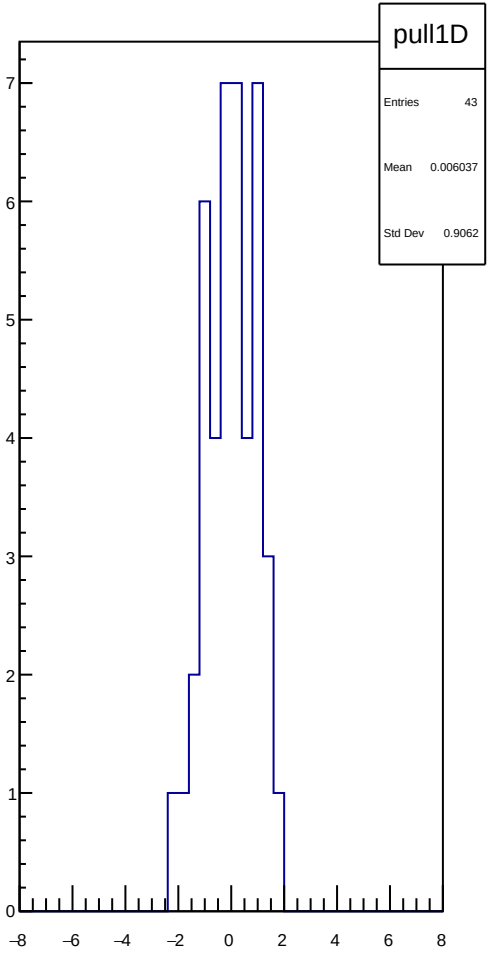

diff_bpm_4aX_4ecX_avg_rms vs run
χ² / ndf 3547 / 42
p0 1.425e+04 ± 15.7
16500
16000
15500
15000
14500
14000
13500
13000
12500
12000
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

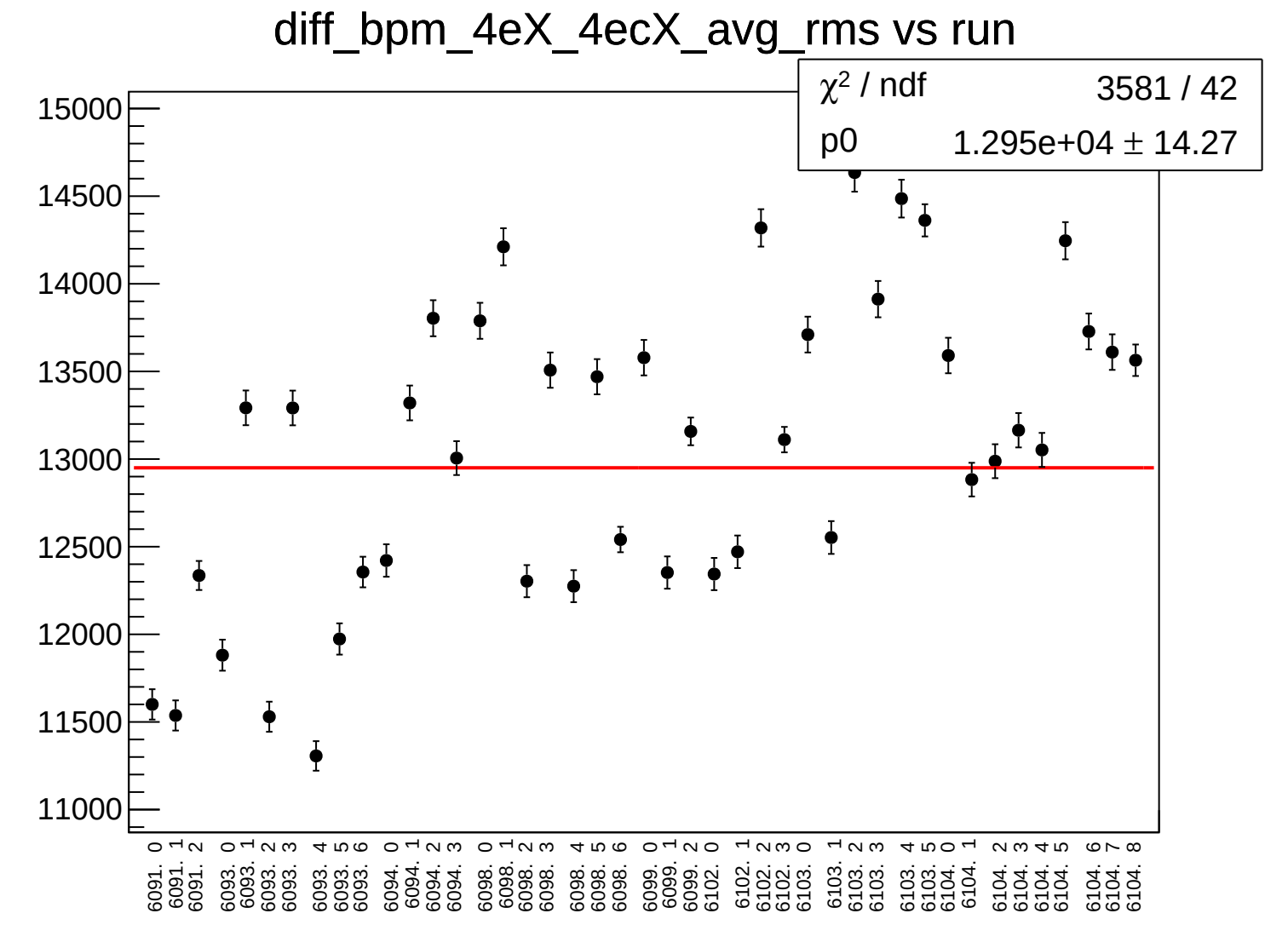

diff_bpm_4aX_4ecX_dd_mean vs run
χ² / ndf 35.65 / 42
p0 0.1698 ± 2.05
40
20
0
−20
−40
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 107.9
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

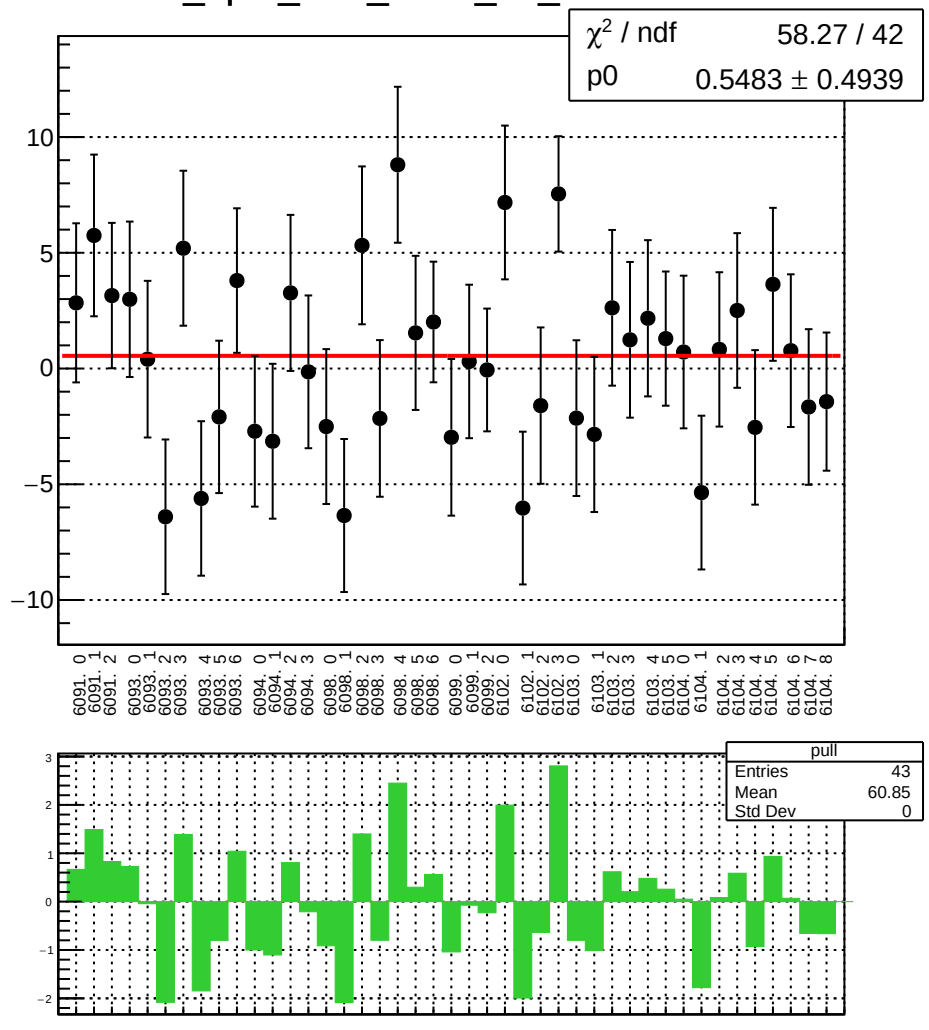

pull1D
Entries 43
Mean 0.003923
Std Dev 0.9105
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

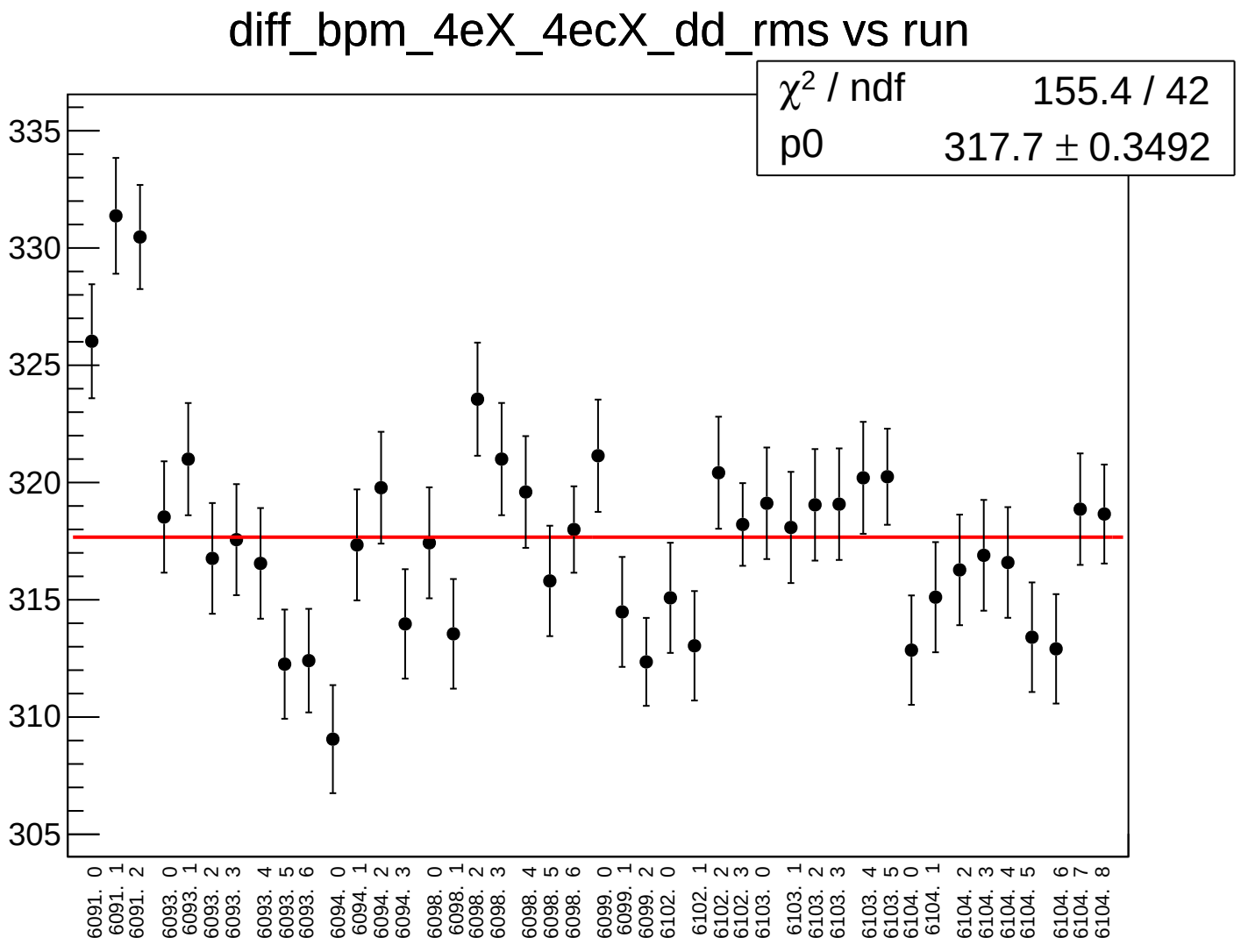

diff_bpm_4aX_4ecX_dd_rms vs run
χ² / ndf 2583 / 42
p0 1317 ± 1.449
1450
1400
1350
1300
1250
1200
1150
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

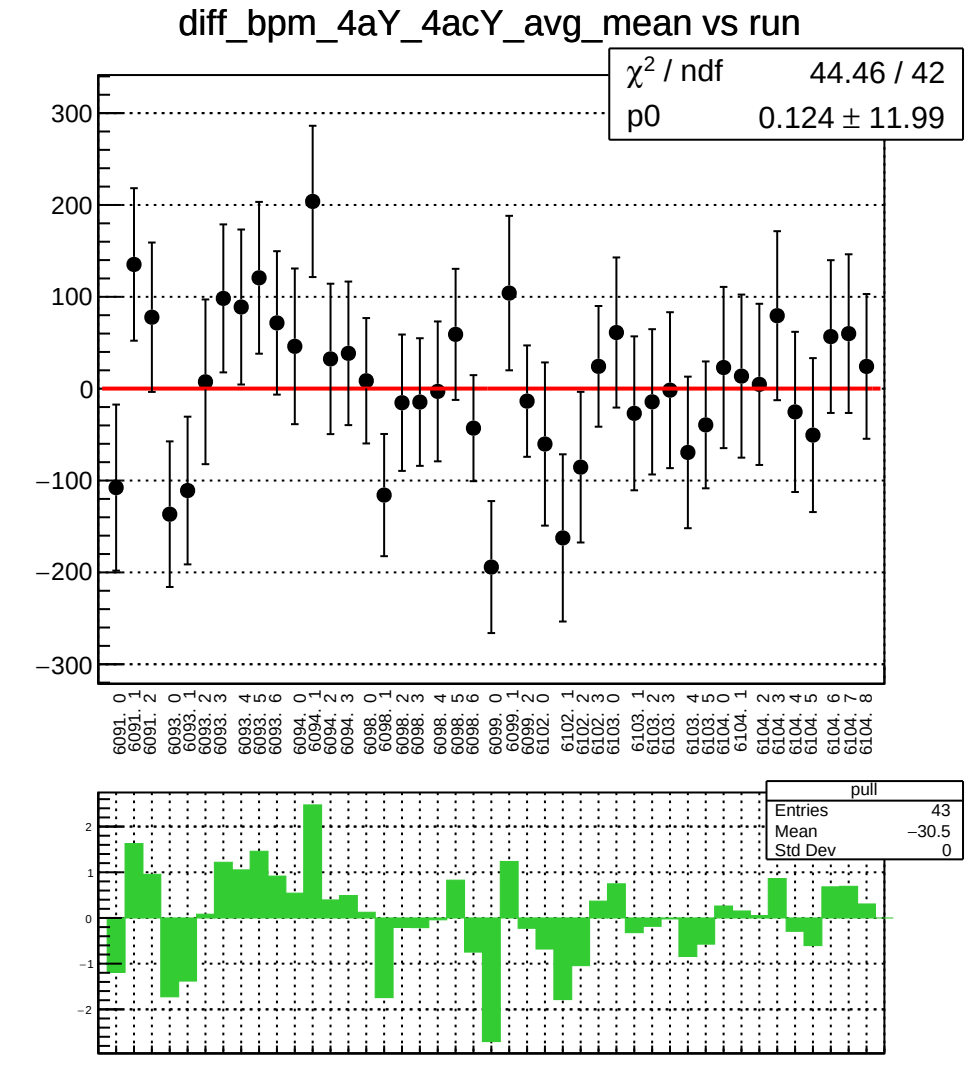

diff_bpm_4eX_4ecX_avg_mean vs run
χ² / ndf 35.32 / 42
p0 2.494 ± 20.17
400
300
200
100
0
−100
−200
−300
−400
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 52.71
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

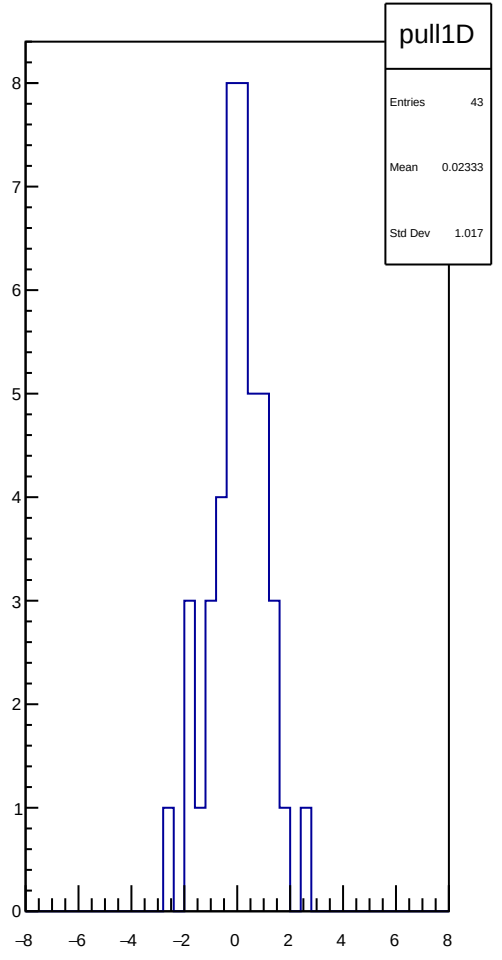

pull1D
Entries 43
Mean 0.006037
Std Dev 0.9062
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

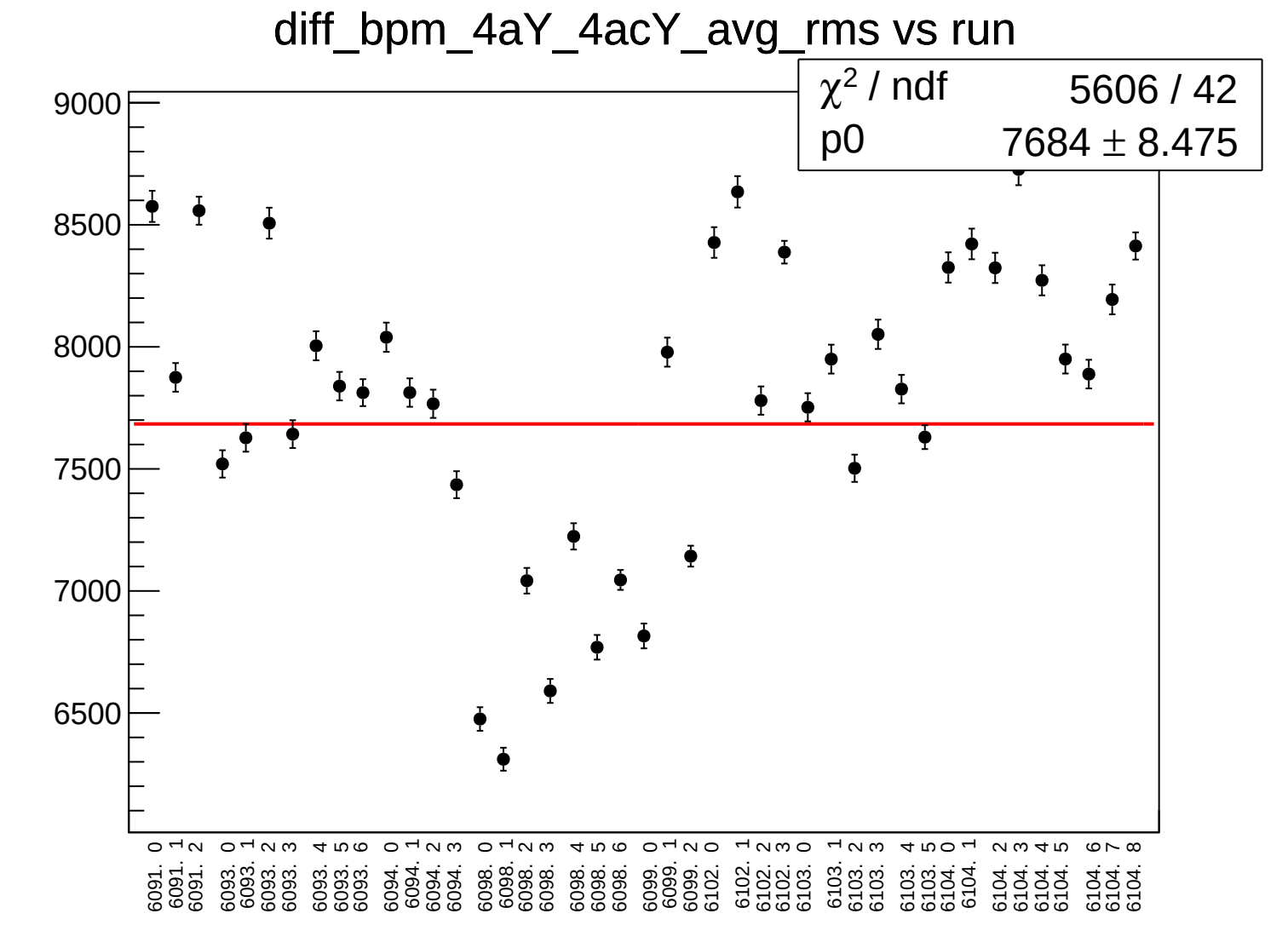

diff_bpm_4eX_4ecX_avg_rms vs run
χ² / ndf 3581 / 42
p0 1.295e+04 ± 14.27
15000
14500
14000
13500
13000
12500
12000
11500
11000
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

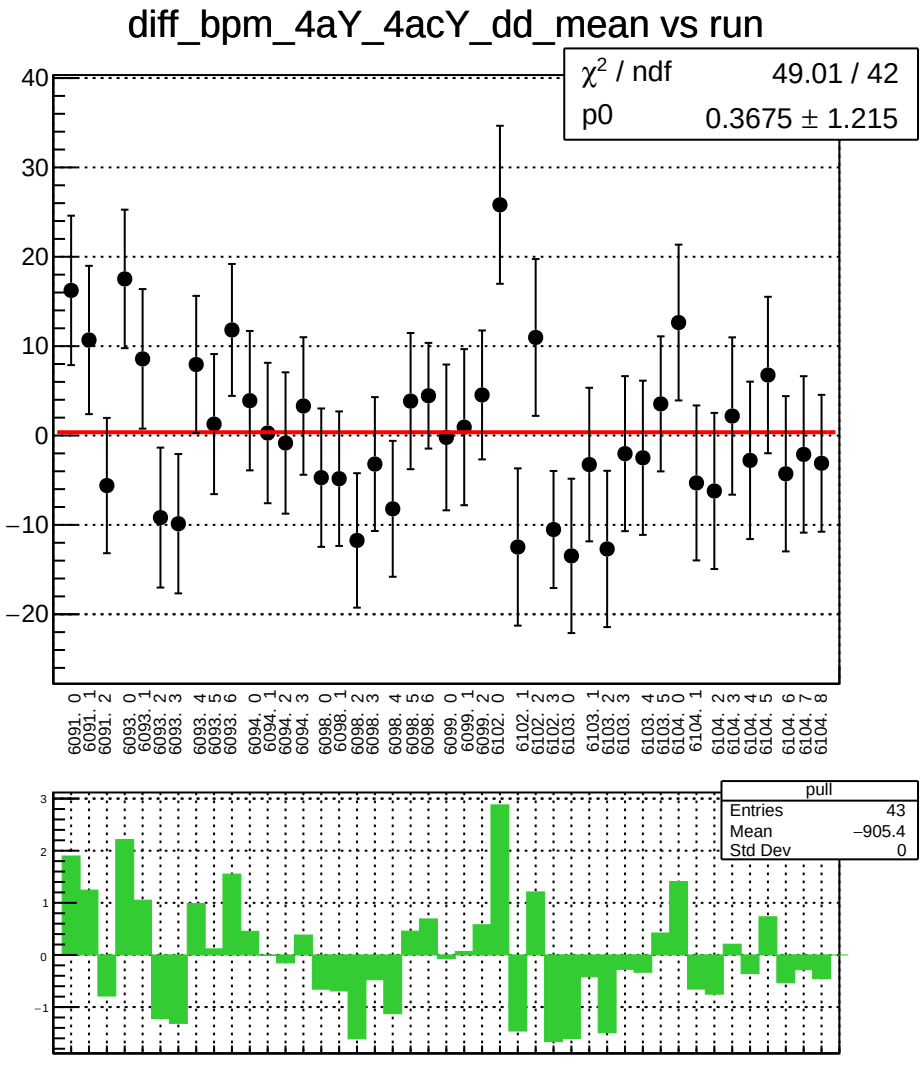

diff_bpm_4eX_4ecX_dd_mean vs run
χ² / ndf 58.27 / 42
p0 0.5483 ± 0.4939
10
5
0
−5
−10
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 60.85
Std Dev 0
3
2
1
0
−1
−2
pull1D
Entries 43
Mean −0.02215
Std Dev 1.164
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

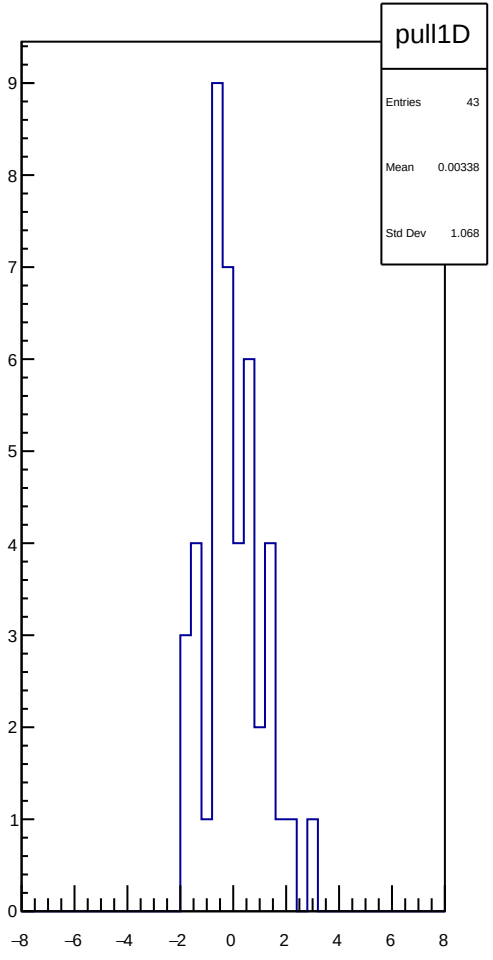

diff_bpm_4eX_4ecX_dd_rms vs run
χ² / ndf 155.4 / 42
p0 317.7 ± 0.3492
335
330
325
320
315
310
305
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

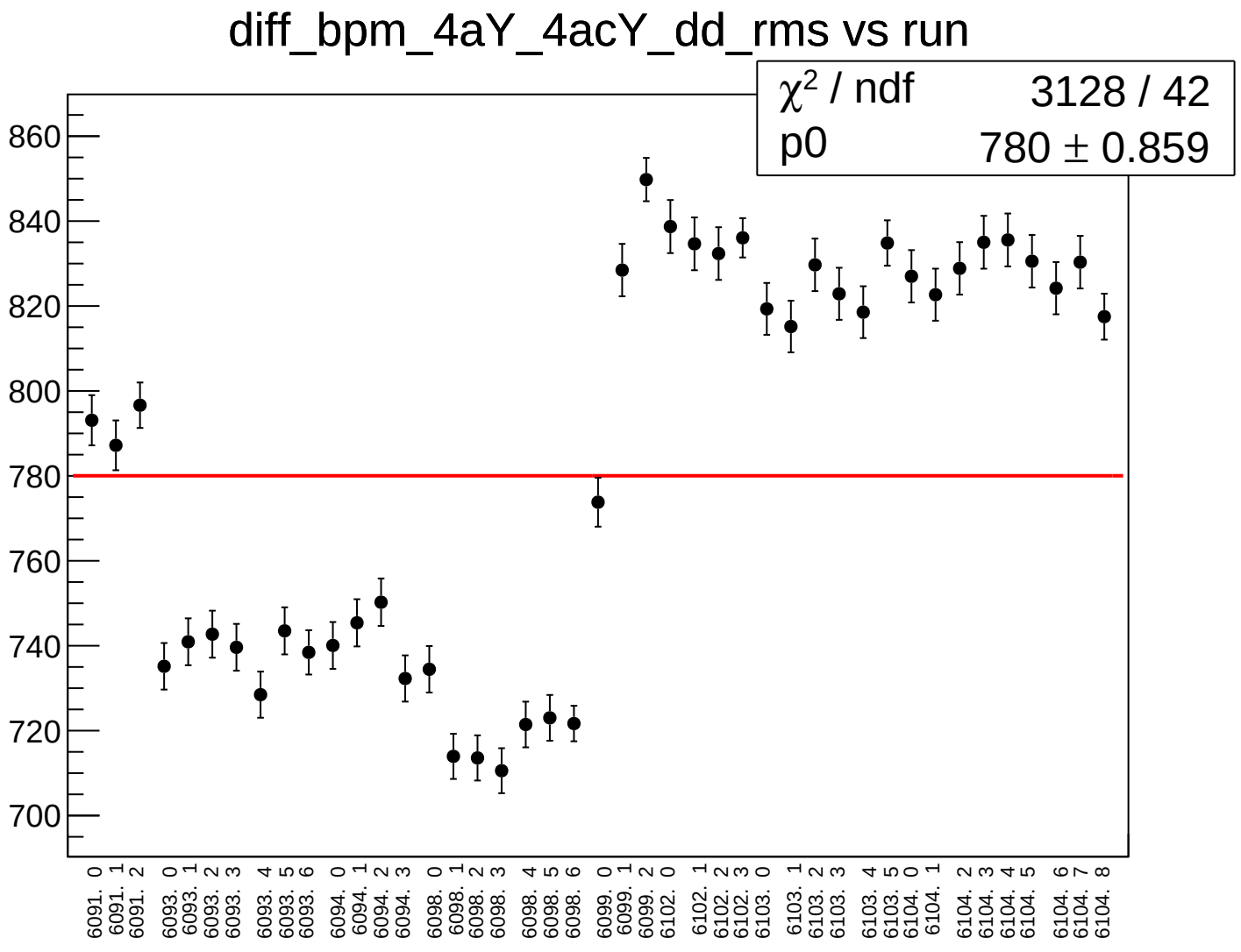

diff_bpm_4aY_4acY_avg_mean vs run
χ² / ndf 44.46 / 42
p0 0.124 ± 11.99
300
200
100
0
−100
−200
−300
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean −30.5
Std Dev 0
2
1
0
−1
−2

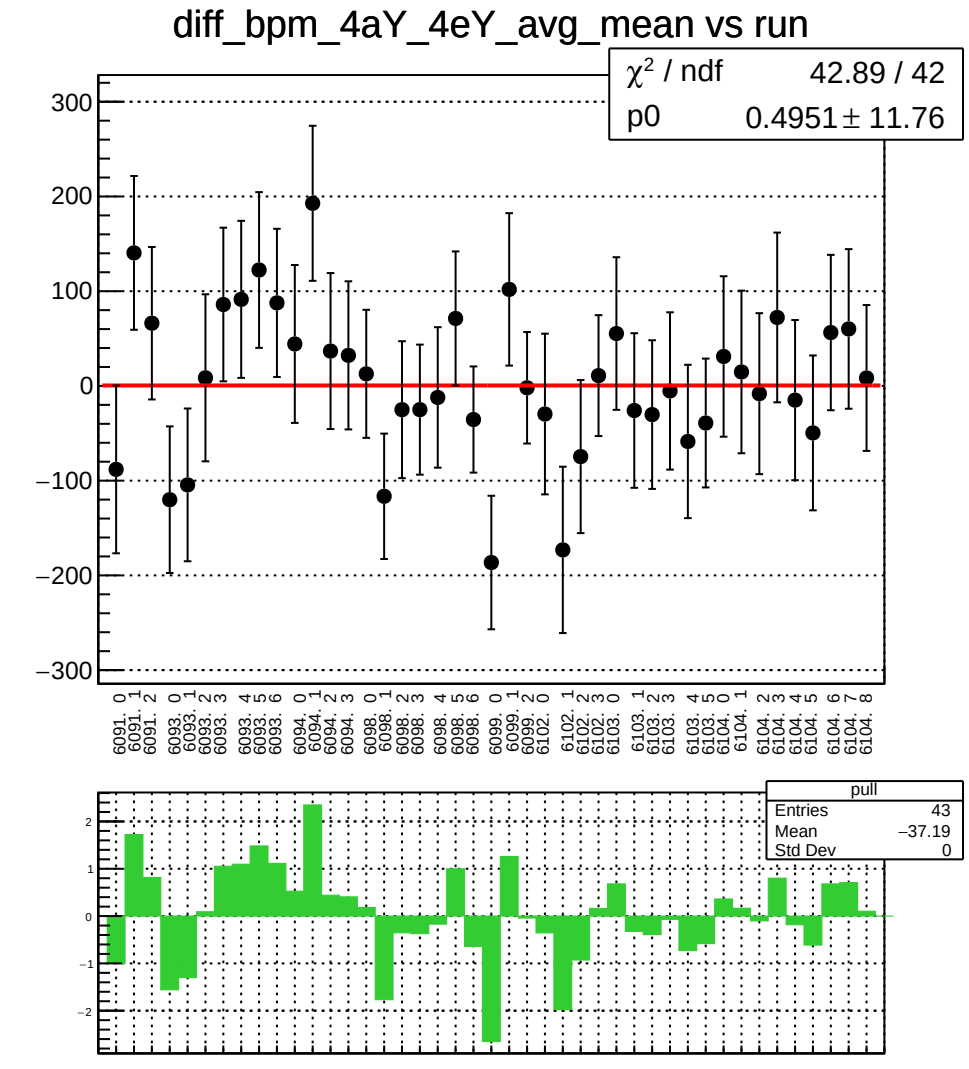

pull1D
Entries 43
Mean 0.02333
Std Dev 1.017
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

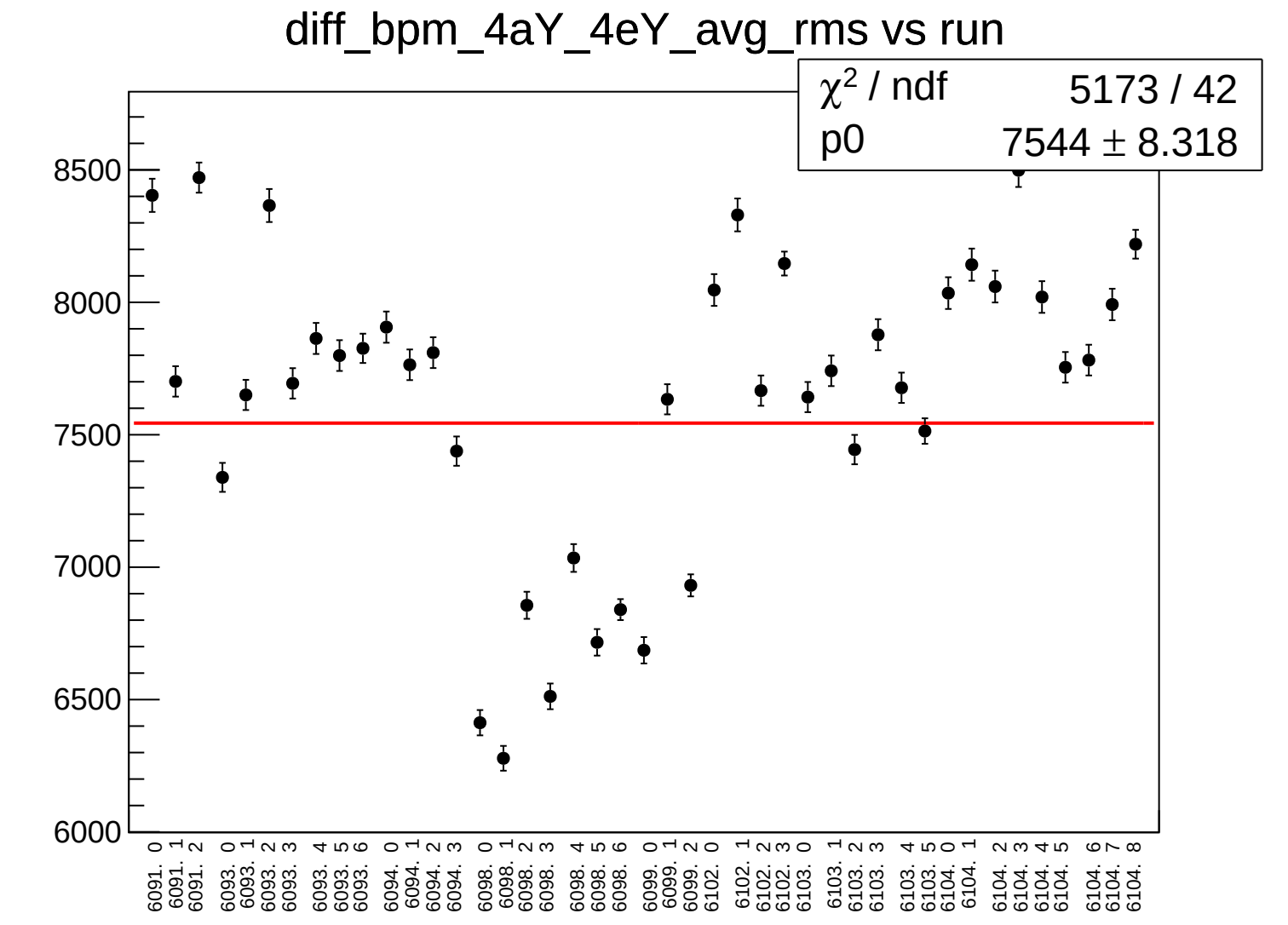

diff_bpm_4aY_4acY_avg_rms vs run
χ² / ndf 5606 / 42
p0 7684 ± 8.475
9000
8500
8000
7500
7000
6500
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

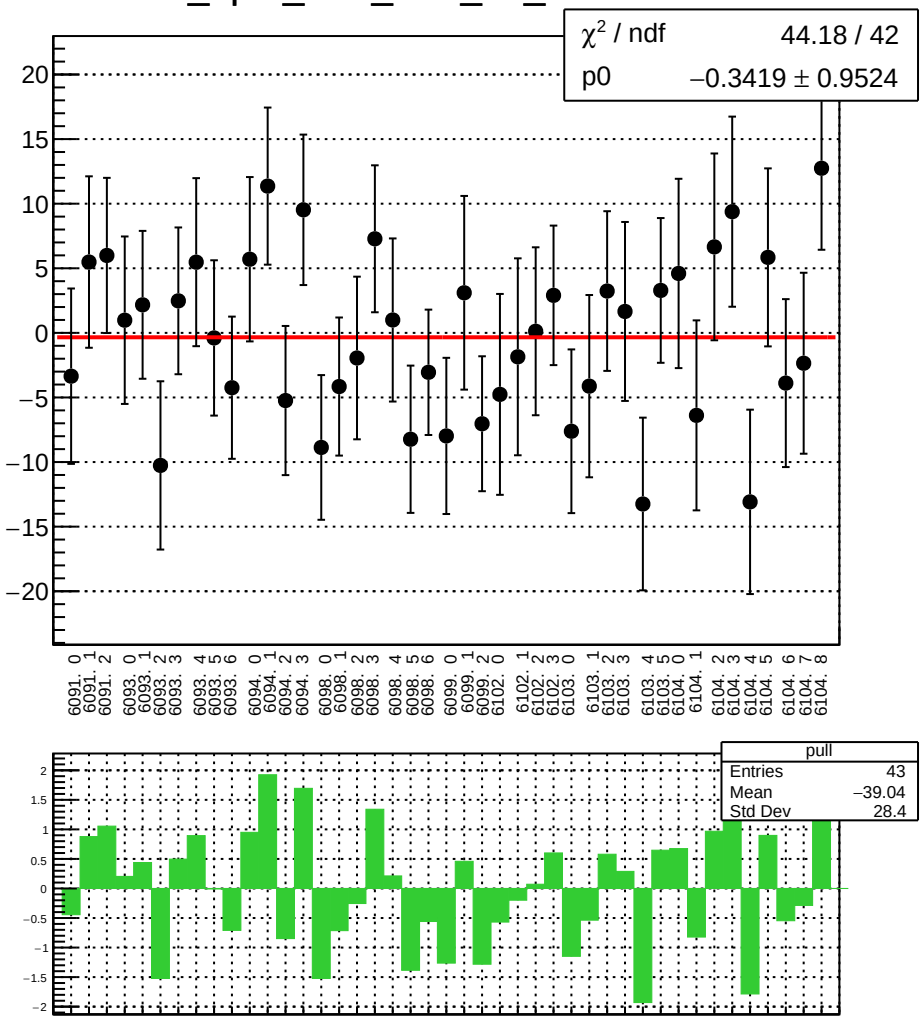

diff_bpm_4aY_4acY_dd_mean vs run
χ² / ndf 49.01 / 42
p0 0.3675 ± 1.215
pull
Entries 43
Mean −905.4
Std Dev 0

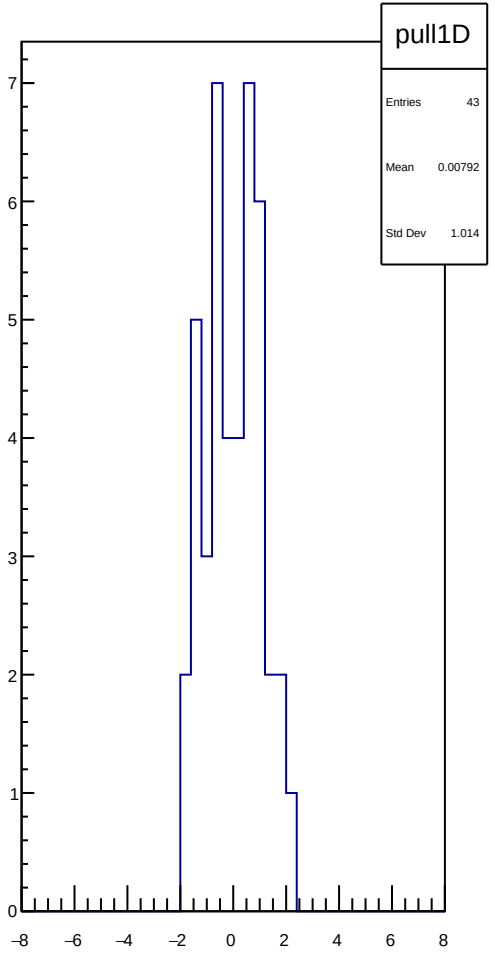

pull1D
Entries 43
Mean 0.00338
Std Dev 1.068

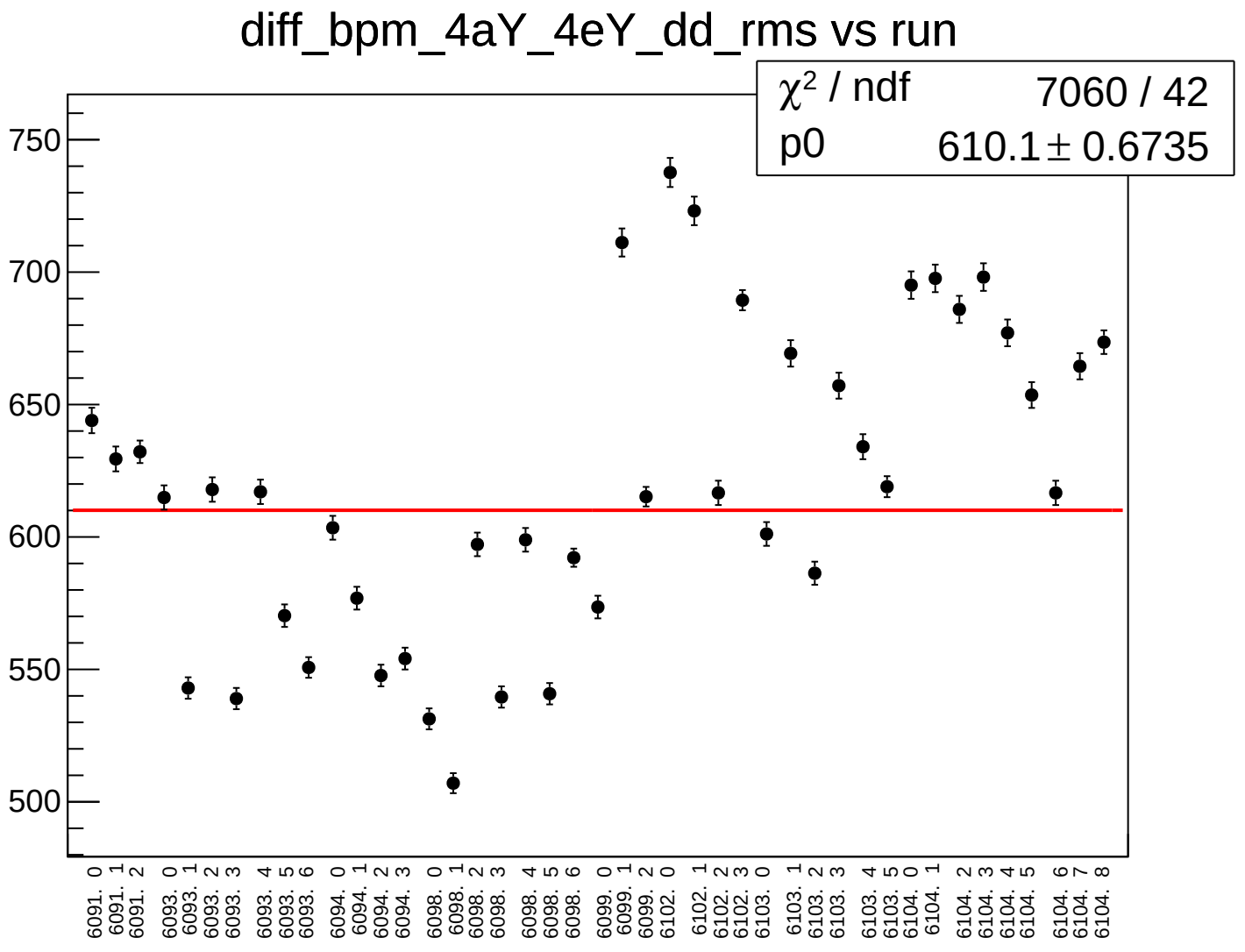

diff_bpm_4aY_4acY_dd_rms vs run
χ² / ndf 3128 / 42
p0 780 ± 0.859
860
840
820
800
780
760
740
720
700
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

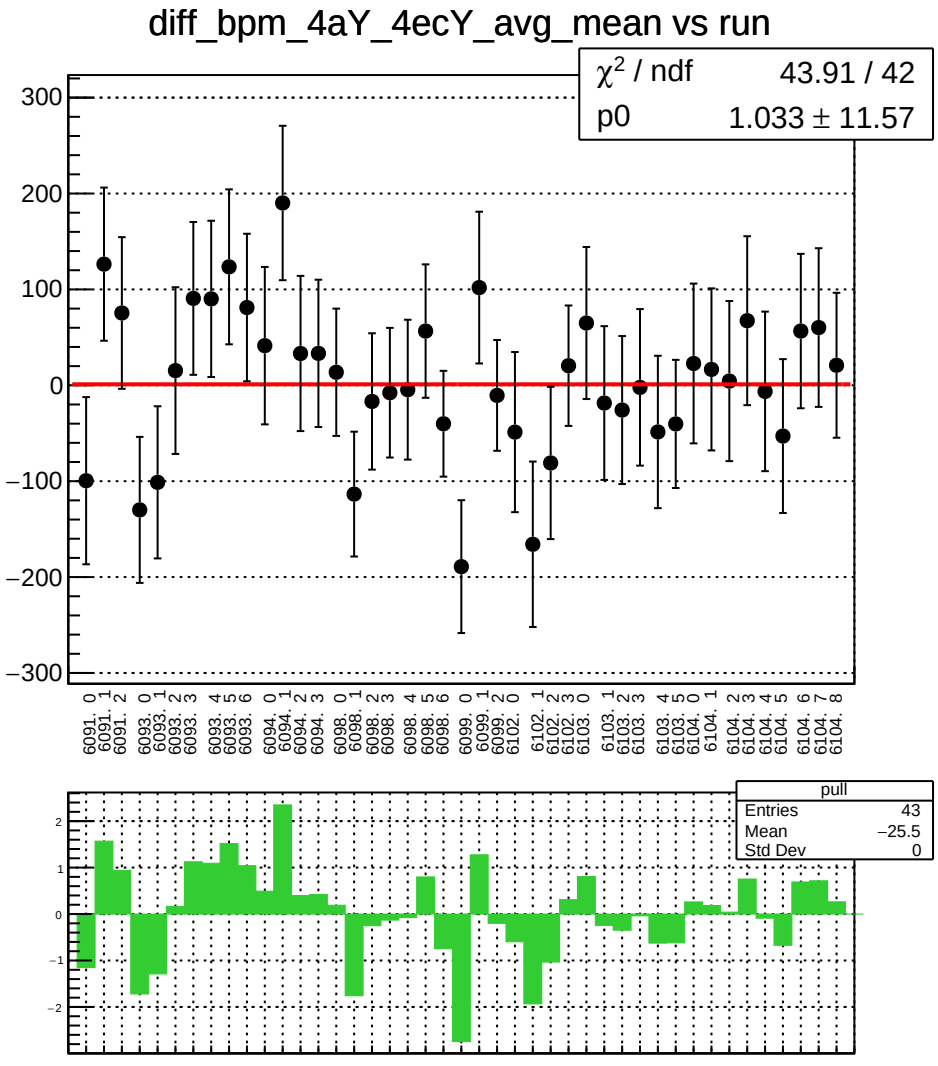

diff_bpm_4aY_4eY_avg_mean vs run
χ² / ndf 42.89 / 42
p0 0.4951 ± 11.76
300
200
100
0
−100
−200
−300
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean −37.19
Std Dev 0
2
1
0
−1
−2
pull1D
Entries 43
Mean 0.02534
Std Dev 0.9984
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

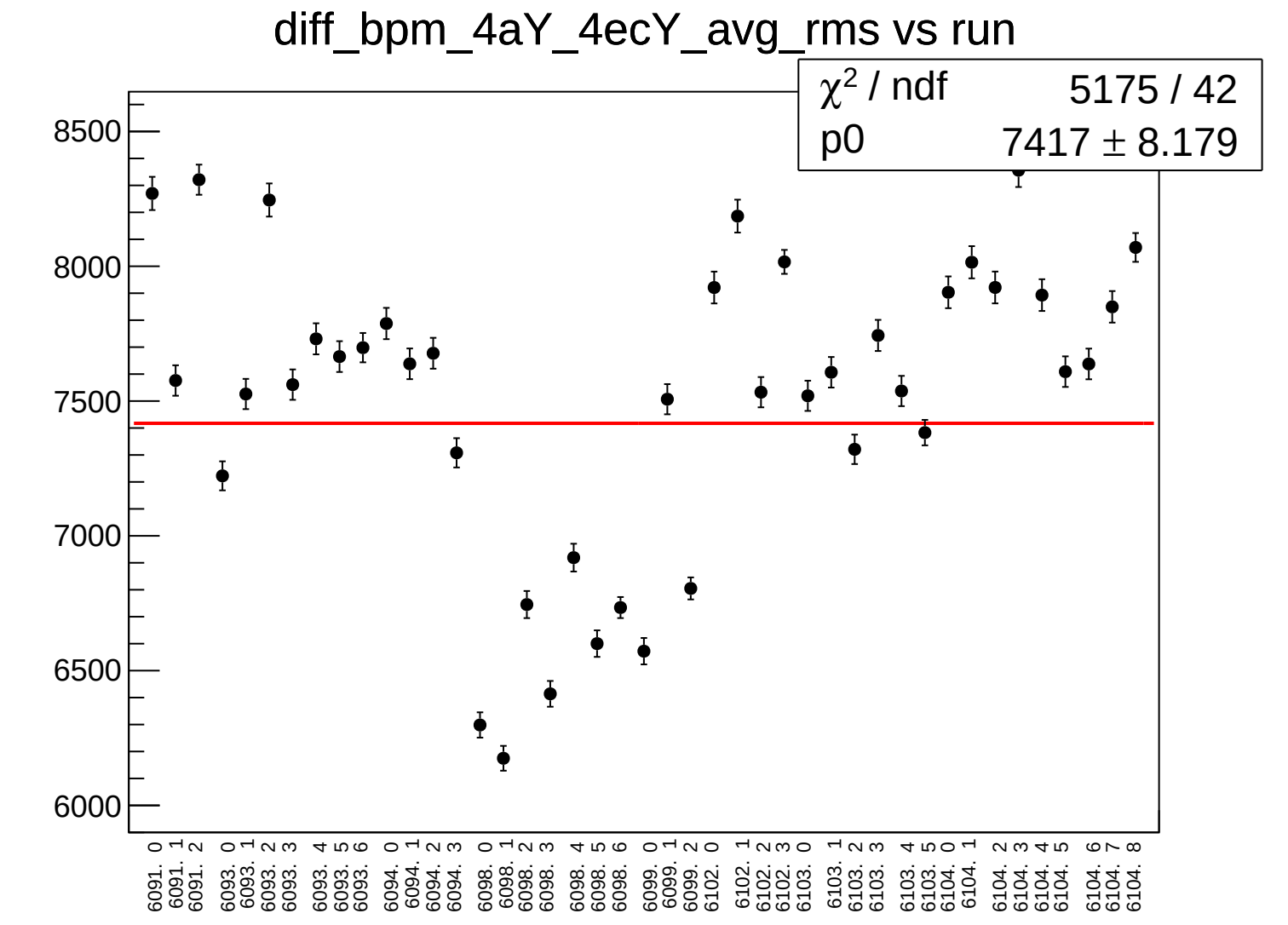

diff_bpm_4aY_4eY_avg_rms vs run
χ² / ndf 5173 / 42
p0 7544 ± 8.318
8500
8000
7500
7000
6500
6000
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

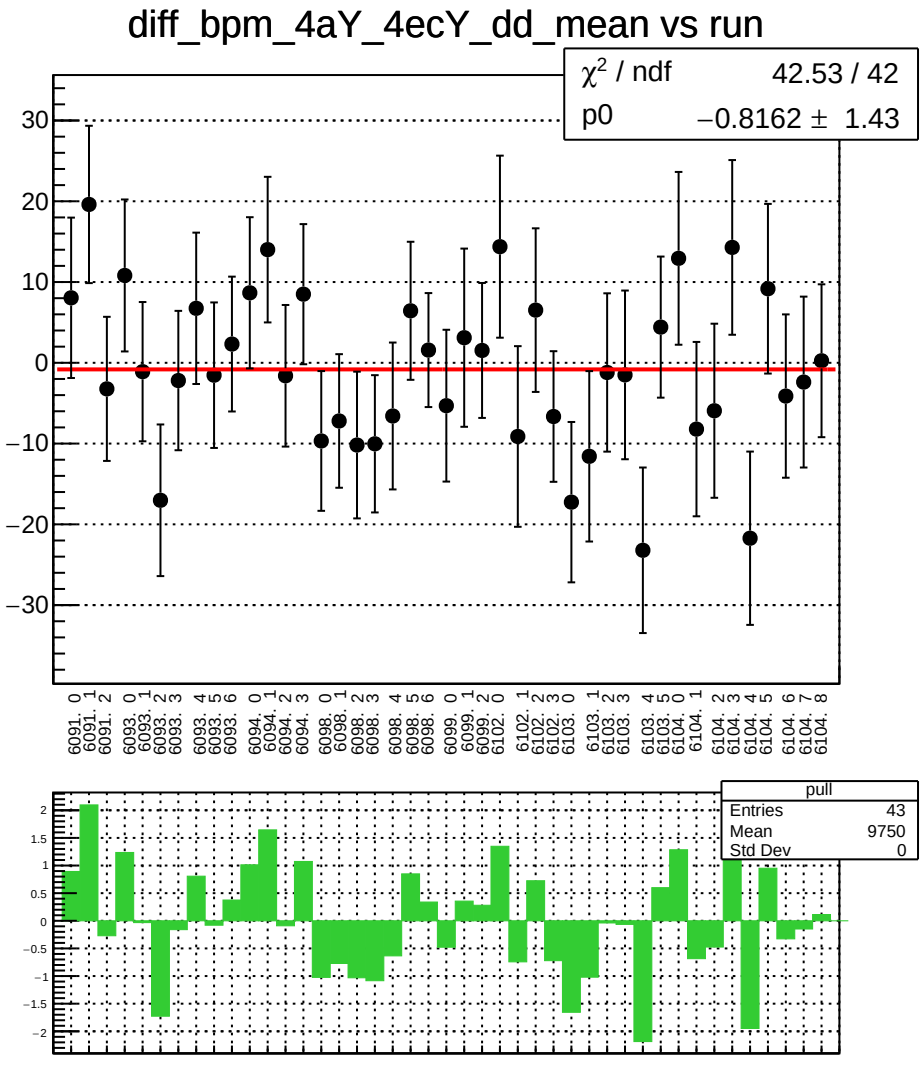

diff_bpm_4aY_4eY_dd_mean vs run
χ² / ndf 44.18 / 42
p0 −0.3419 ± 0.9524
pull
Entries 43
Mean −39.04
Std Dev 28.4

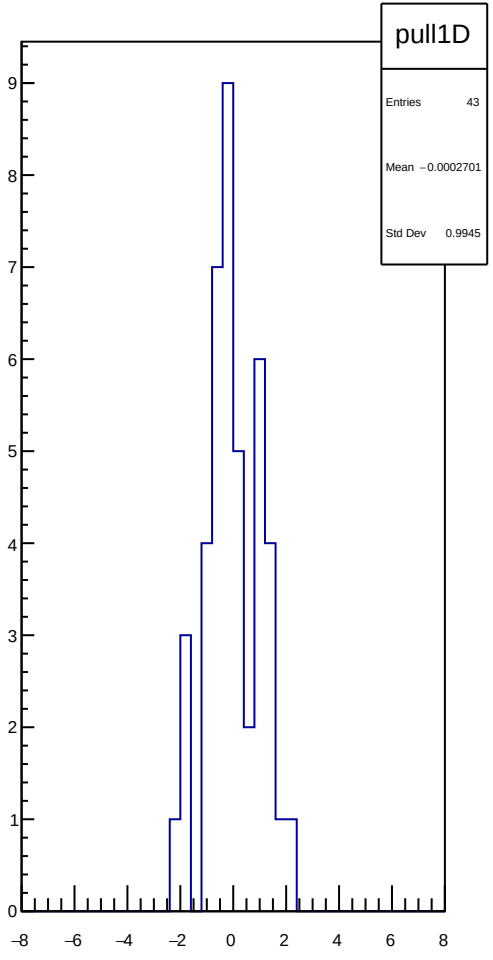

pull1D
Entries 43
Mean 0.00792
Std Dev 1.014

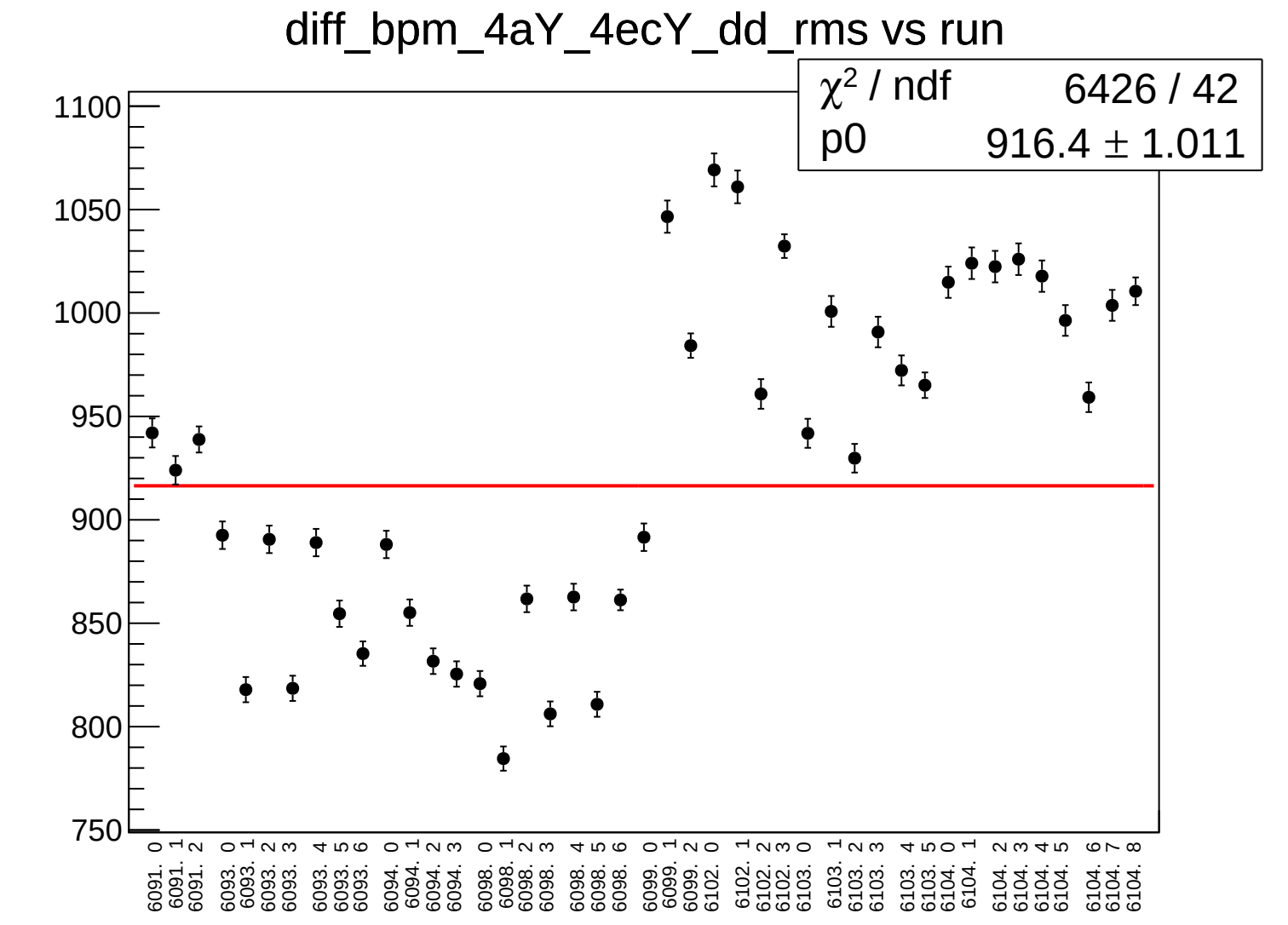

diff_bpm_4aY_4eY_dd_rms vs run
χ² / ndf 7060 / 42
p0 610.1 ± 0.6735
750
700
650
600
550
500
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

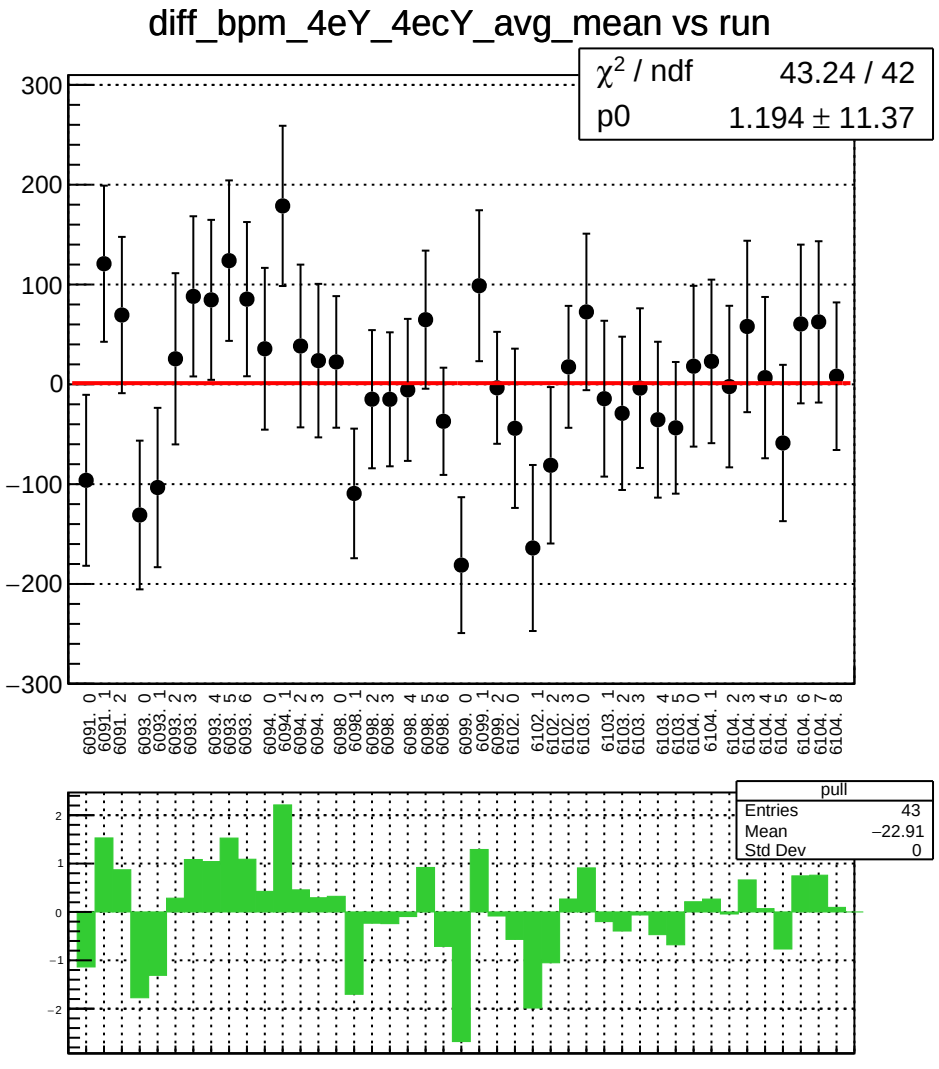

diff_bpm_4aY_4ecY_avg_mean vs run
χ² / ndf 43.91 / 42
p0 1.033 ± 11.57
300
200
100
0
−100
−200
−300
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean −25.5
Std Dev 0
2
1
0
−1
−2
pull1D
Entries 43
Mean 0.0261
Std Dev 1.01
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

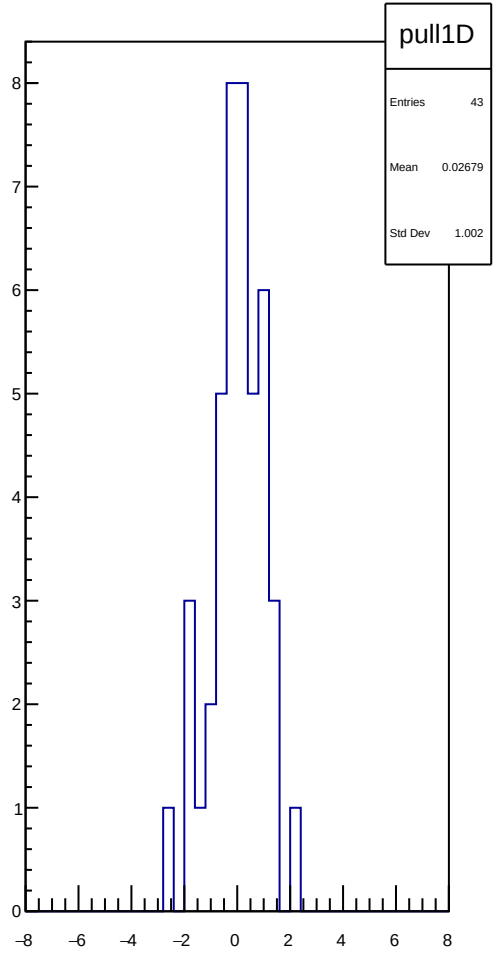

diff_bpm_4aY_4ecY_avg_rms vs run
χ² / ndf 5175 / 42
p0 7417 ± 8.179
8500
8000
7500
7000
6500
6000
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

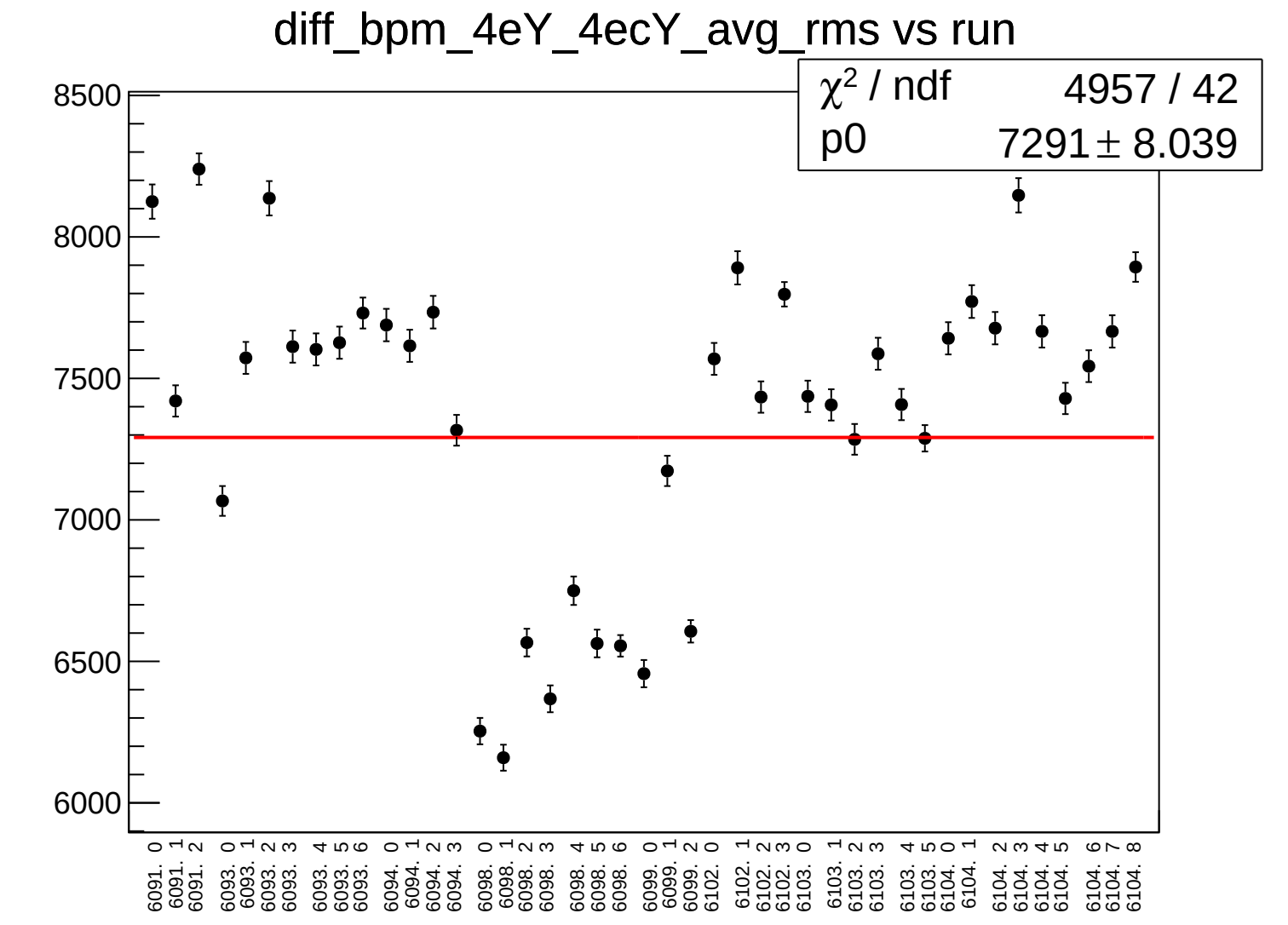

diff_bpm_4aY_4ecY_dd_mean vs run
χ² / ndf 42.53 / 42
p0 −0.8162 ± 1.43
30
20
10
0
−10
−20
−30
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 9750
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

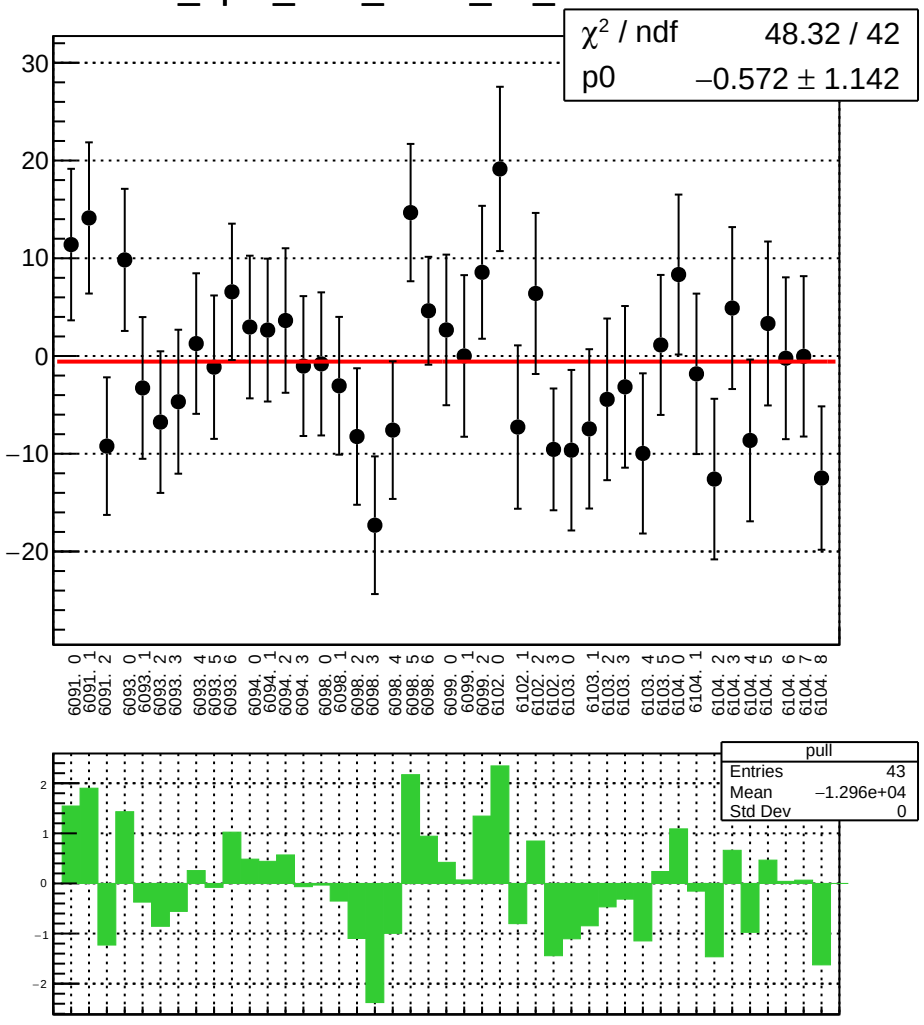

pull1D
Entries 43
Mean −0.0002701
Std Dev 0.9945
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

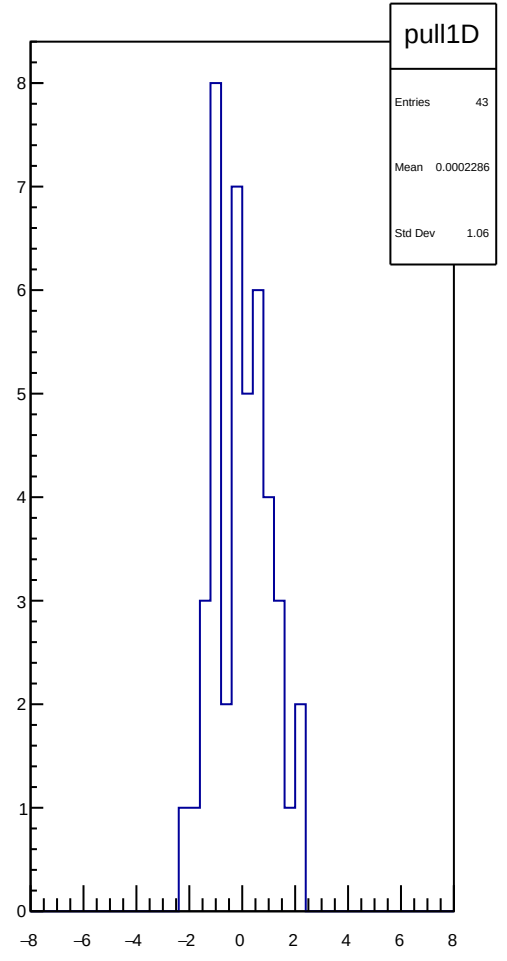

diff_bpm_4aY_4ecY_dd_rms vs run
χ² / ndf 6426 / 42
p0 916.4 ± 1.011
1100
1050
1000
950
900
850
800
750
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

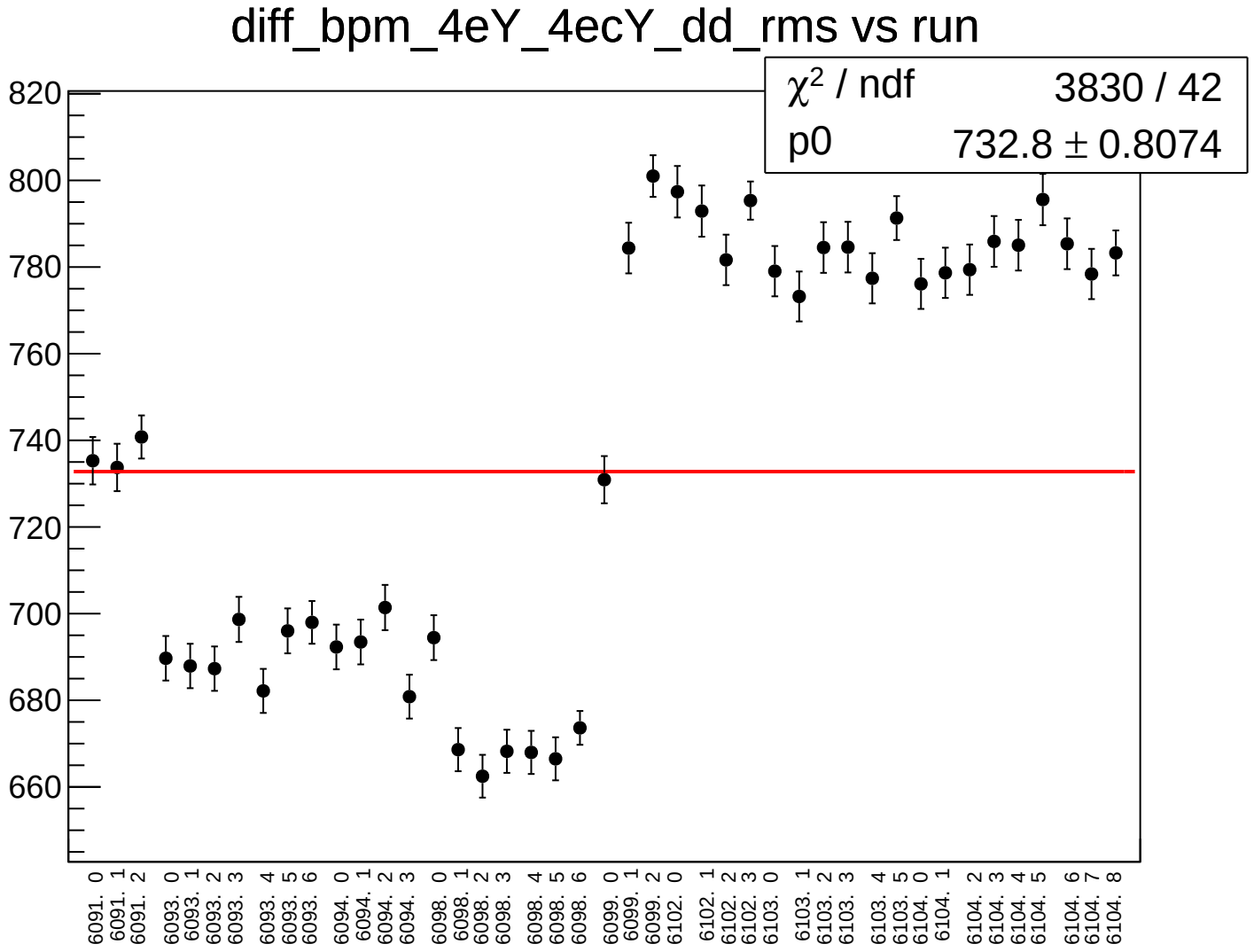

diff_bpm_4eY_4ecY_avg_mean vs run
χ² / ndf 43.24 / 42
p0 1.194 ± 11.37
300
200
100
0
−100
−200
−300
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean −22.91
Std Dev 0
2
1
0
−1
−2

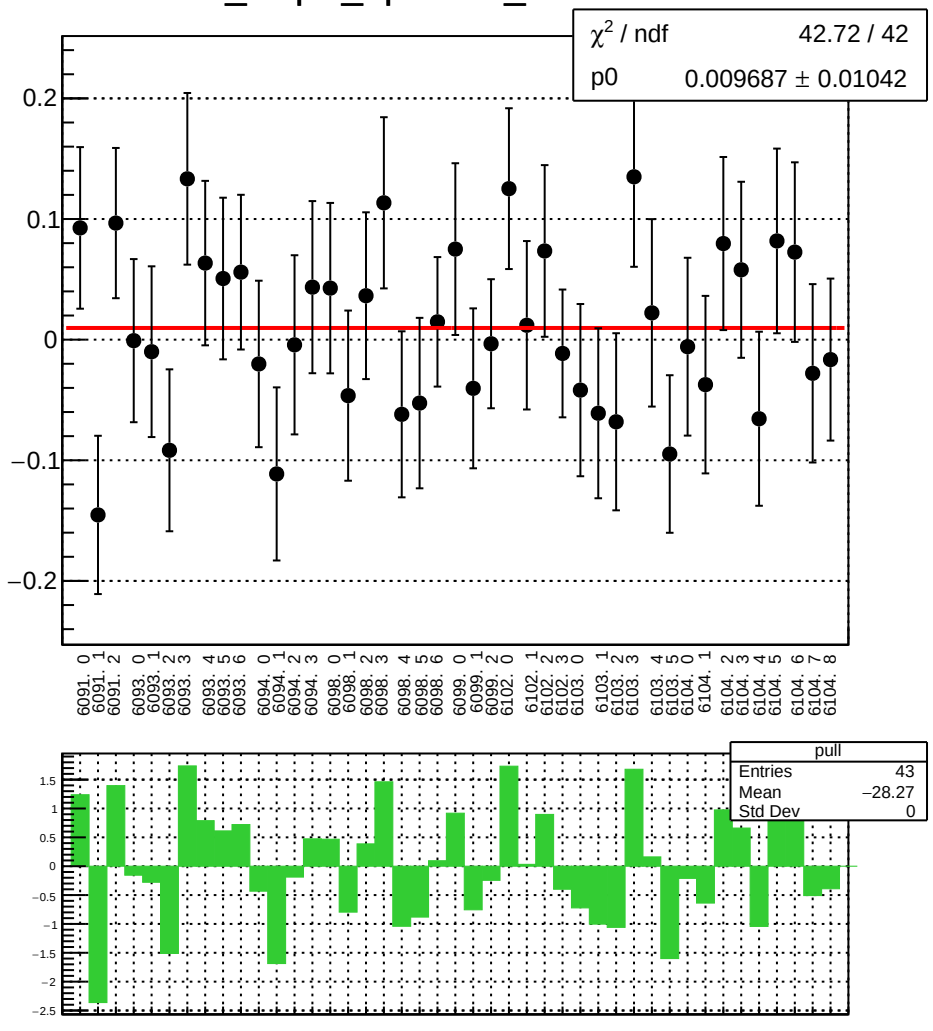

pull1D
Entries 43
Mean 0.02679
Std Dev 1.002
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

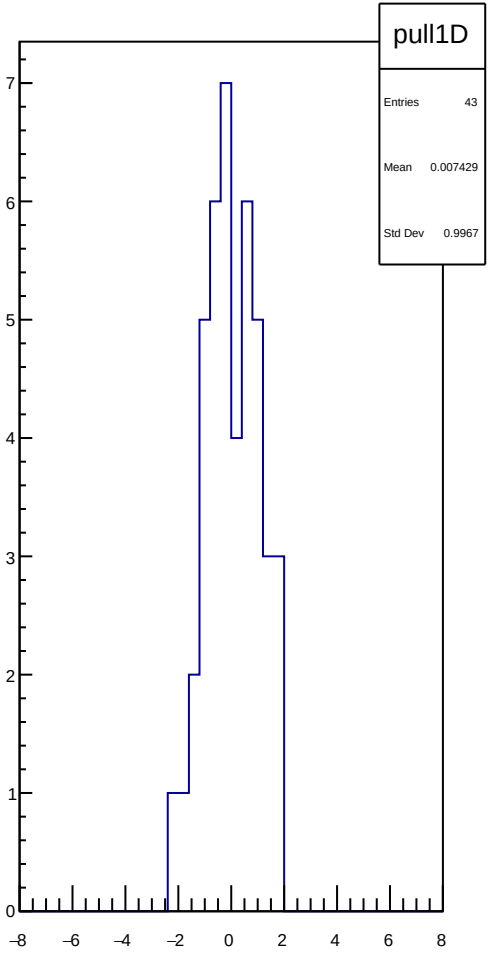

diff_bpm_4eY_4ecY_avg_rms vs run
χ² / ndf 4957 / 42
p0 7291 ± 8.039
8500
8000
7500
7000
6500
6000
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

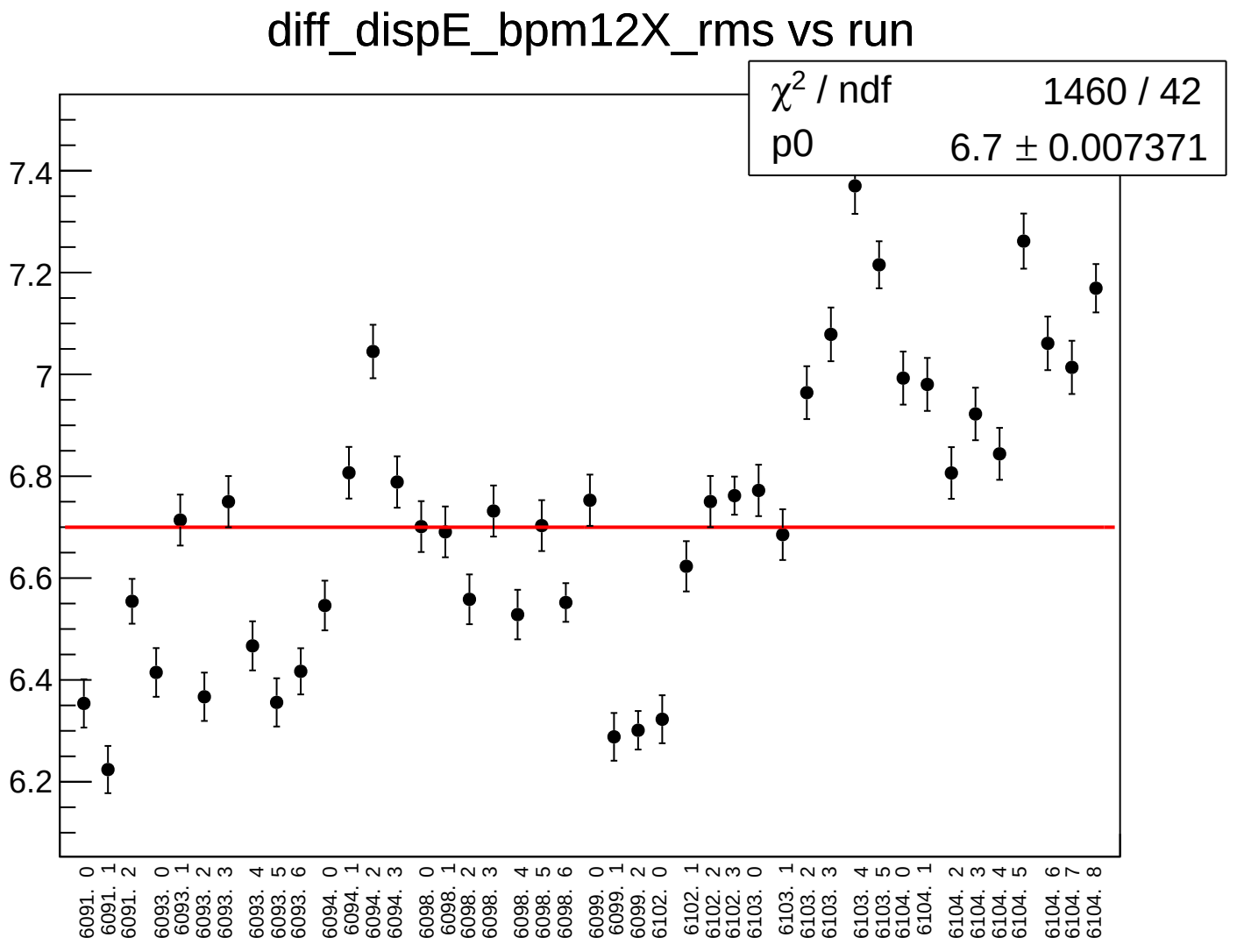

diff_bpm_4eY_4ecY_dd_mean vs run
χ² / ndf 48.32 / 42
p0 −0.572 ± 1.142
30
20
10
0
−10
−20
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean −1.296e+04
Std Dev 0
2
1
0
−1
−2

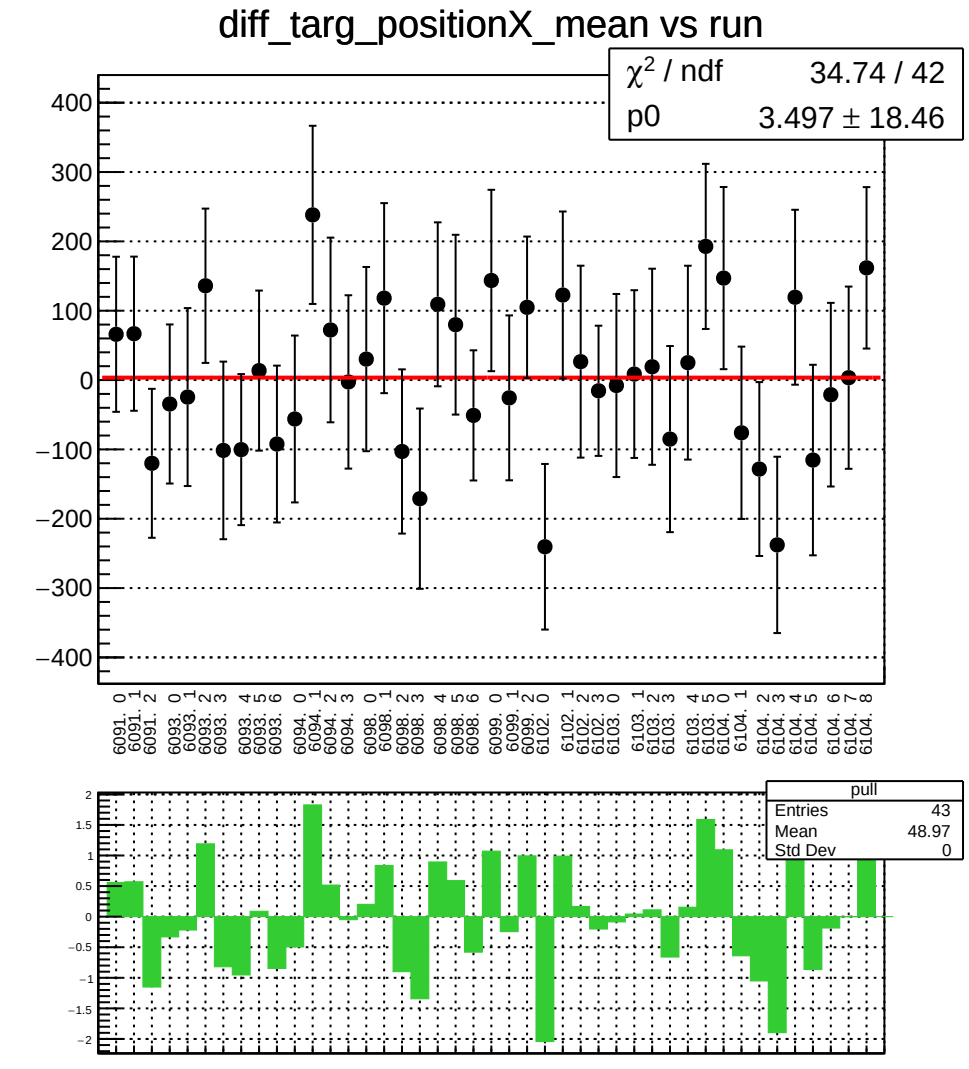

pull1D
Entries 43
Mean 0.0002286
Std Dev 1.06
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

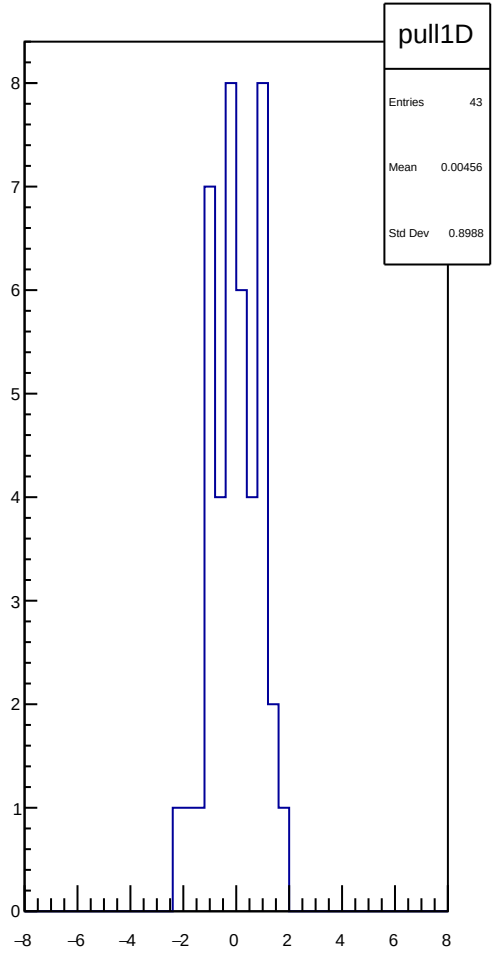

diff_bpm_4eY_4ecY_dd_rms vs run
χ² / ndf 3830 / 42
p0 732.8 ± 0.8074
820
800
780
760
740
720
700
680
660
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

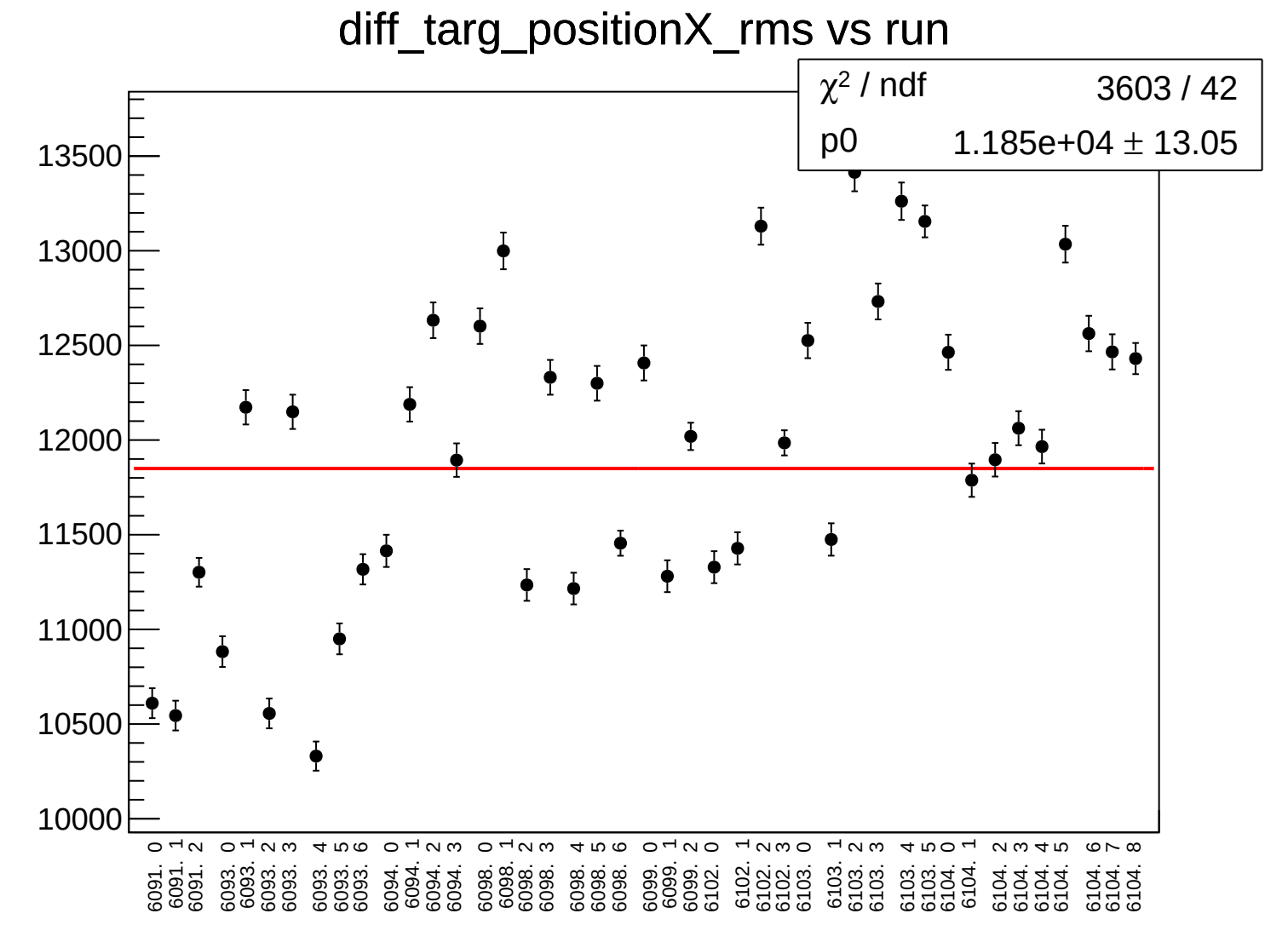

diff_dispE_bpm12X_mean vs run
χ² / ndf 42.72 / 42
p0 0.009687 ± 0.01042
pull
Entries 43
Mean −28.27
Std Dev 0

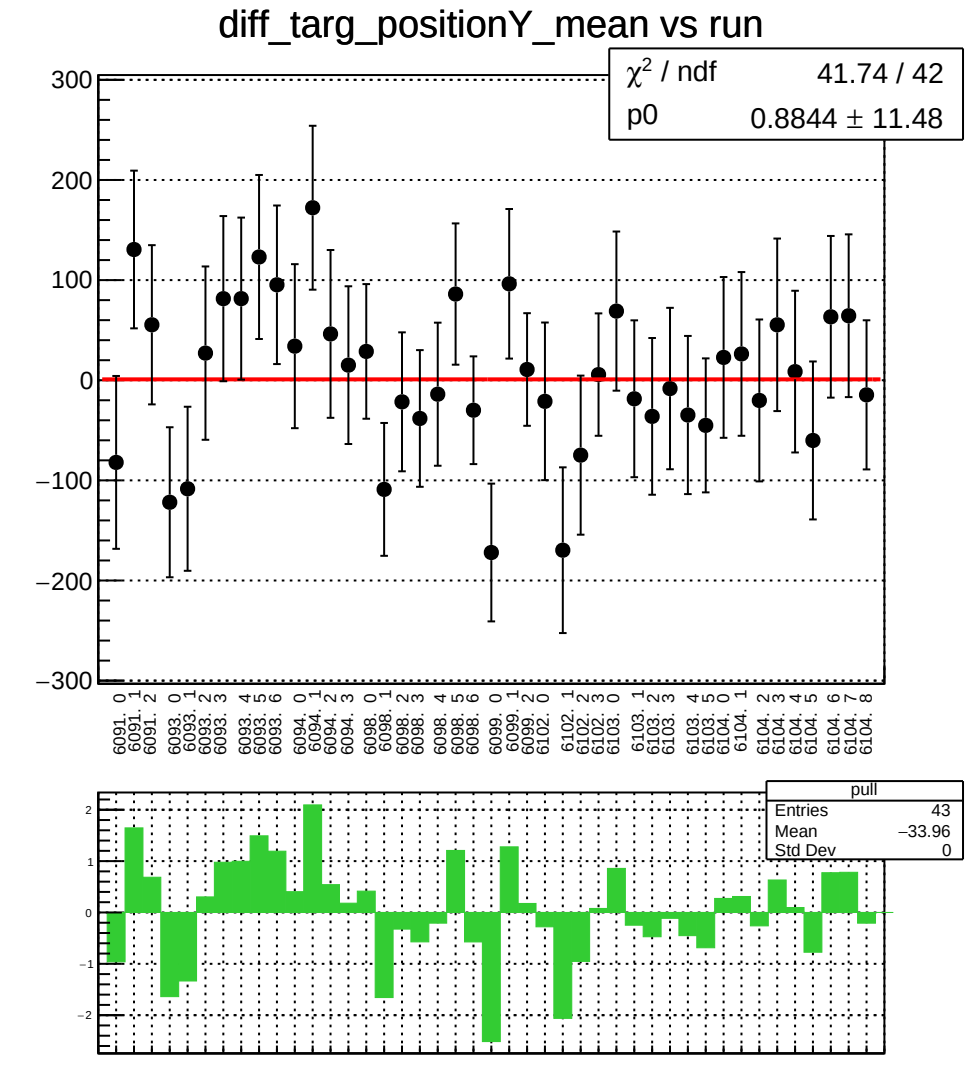

pull1D
Entries 43
Mean 0.007429
Std Dev 0.9967

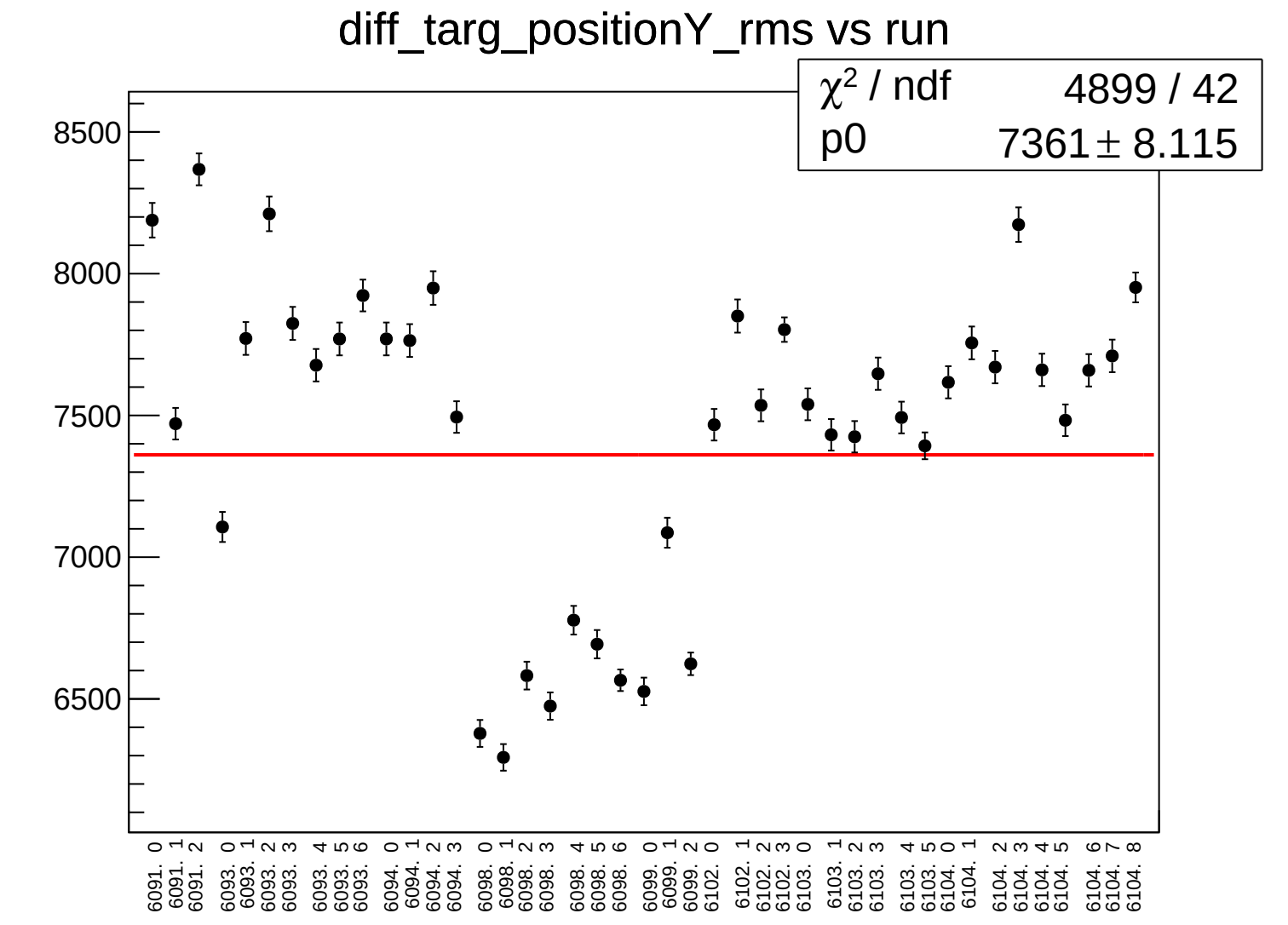

diff_dispE_bpm12X_rms vs run
χ² / ndf 1460 / 42
p0 6.7 ± 0.007371
7.4
7.2
7
6.8
6.6
6.4
6.2
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

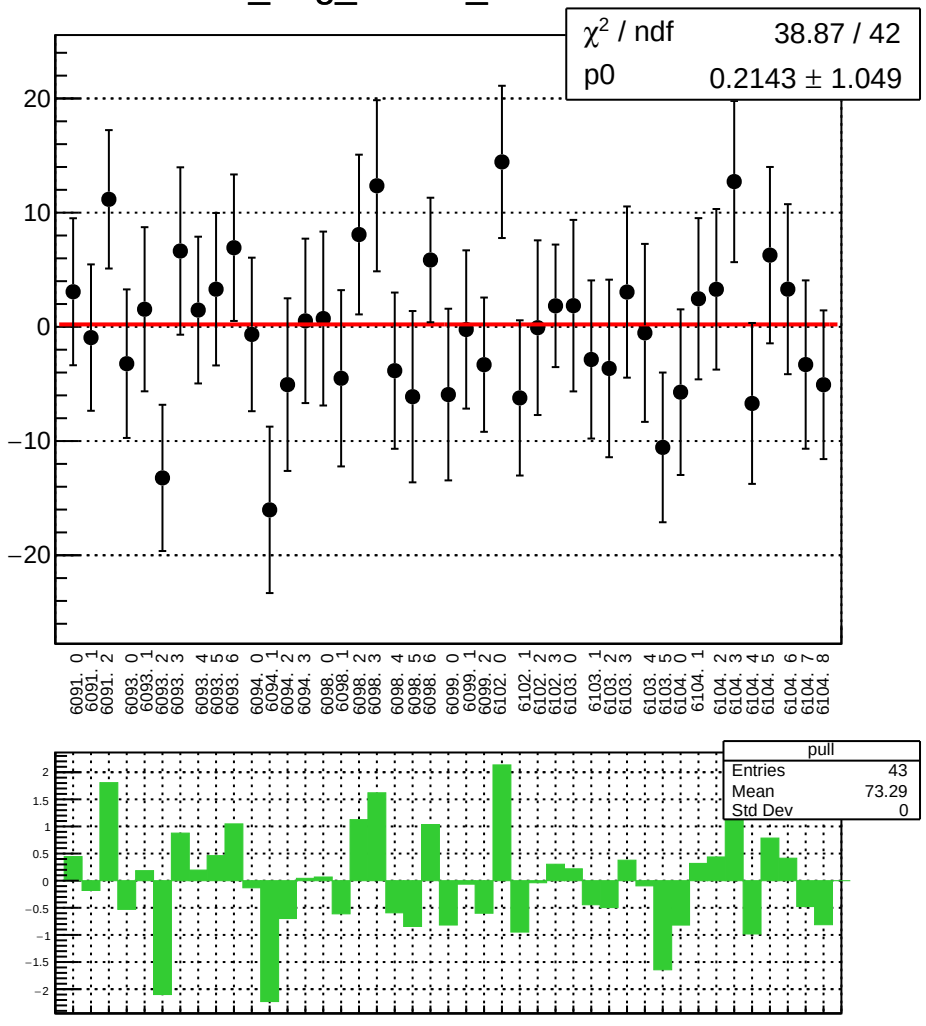

diff_targ_positionX_mean vs run
χ² / ndf 34.74 / 42
p0 3.497 ± 18.46
pull
Entries 43
Mean 48.97
Std Dev 0

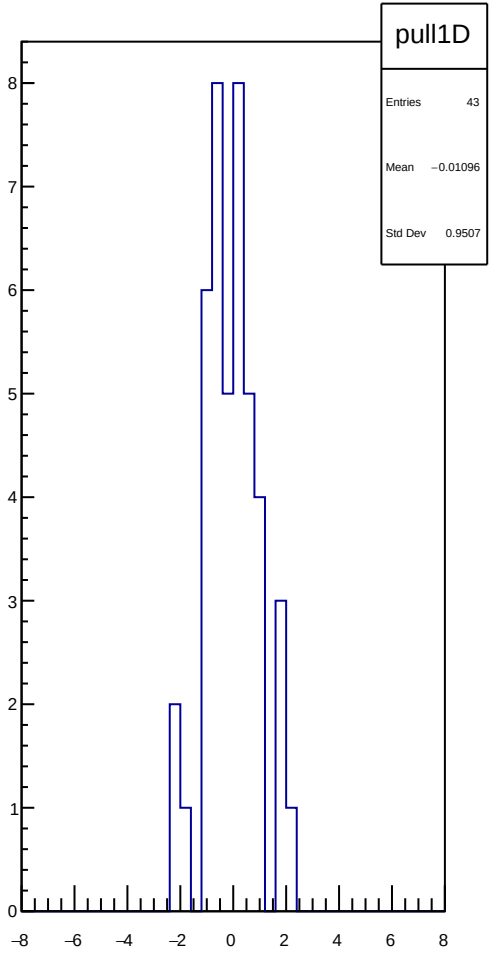

pull1D
Entries 43
Mean 0.00456
Std Dev 0.8988

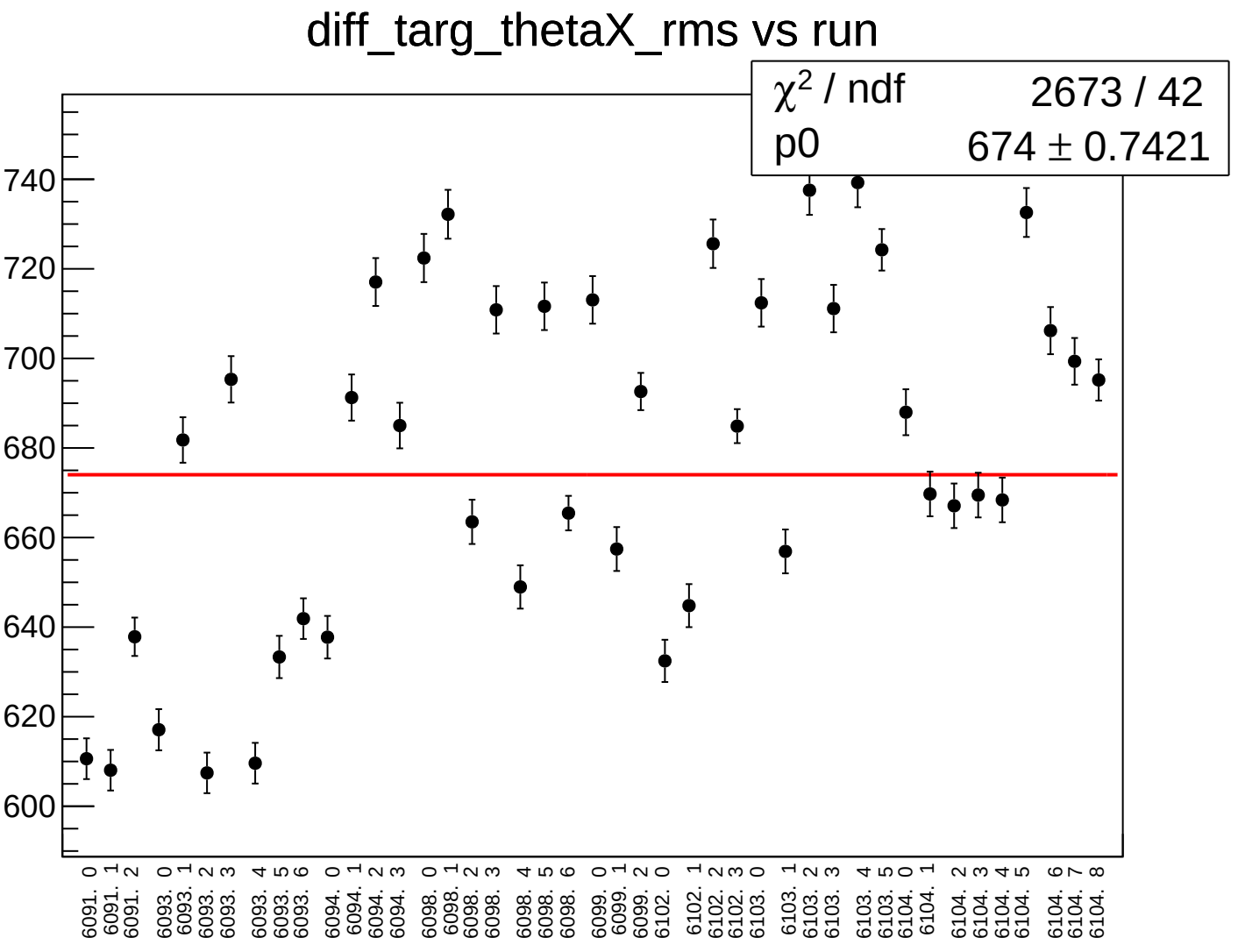

diff_targ_positionX_rms vs run
χ² / ndf 3603 / 42
p0 1.185e+04 ± 13.05
13500
13000
12500
12000
11500
11000
10500
10000
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

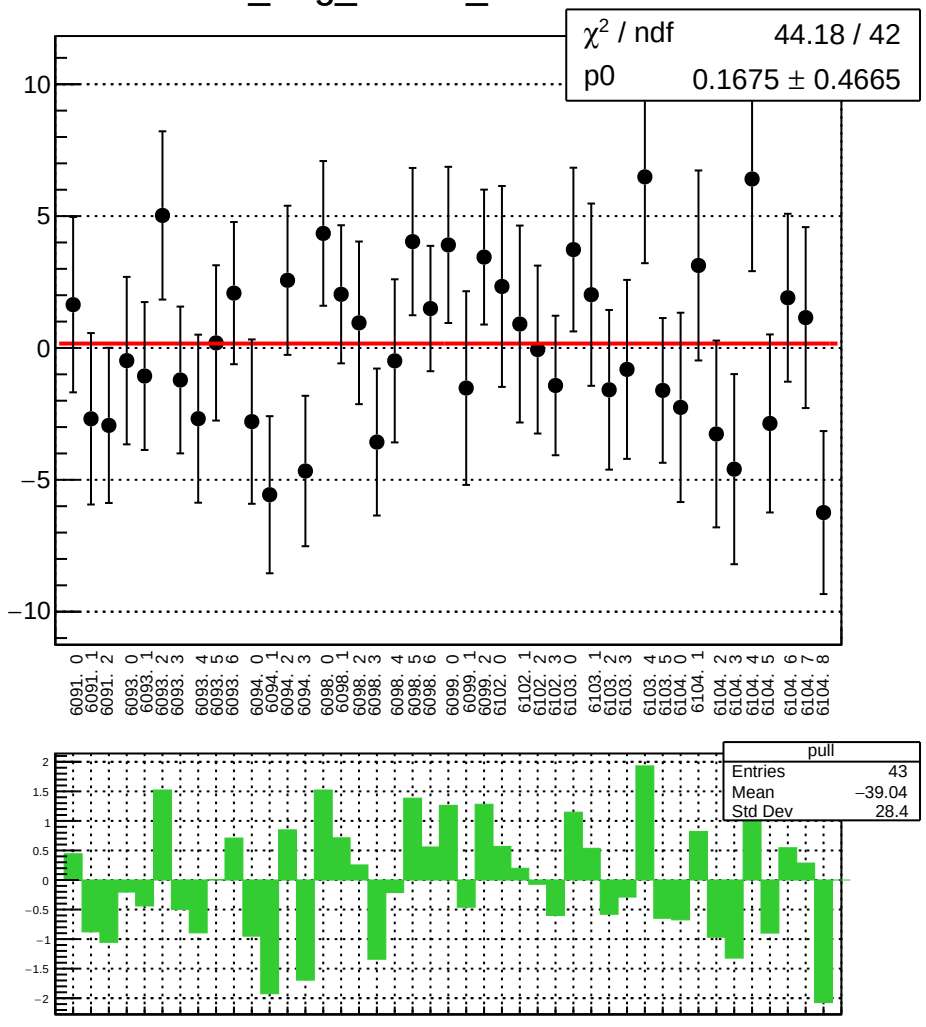

diff_targ_positionY_mean vs run
χ² / ndf 41.74 / 42
p0 0.8844 ± 11.48
pull
Entries 43
Mean −33.96
Std Dev 0
pull1D
Entries 43
Mean 0.02571
Std Dev 0.985

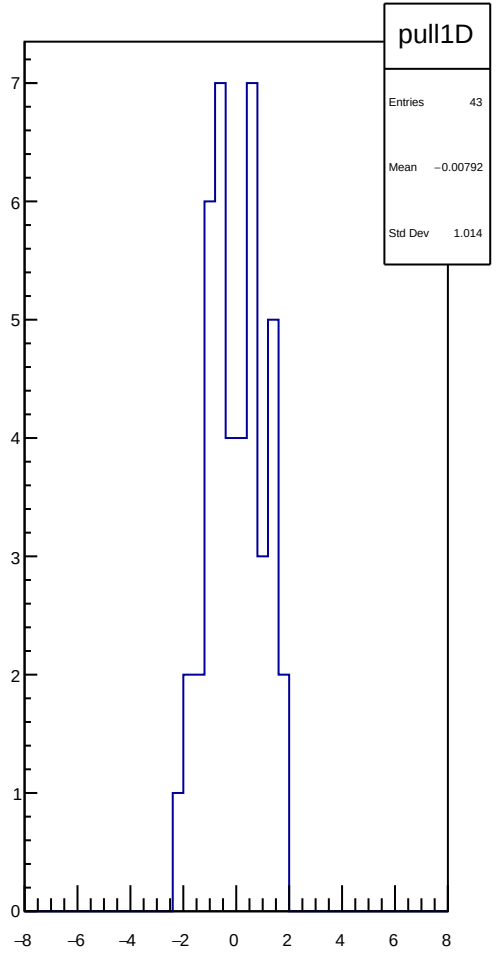

diff_targ_positionY_rms vs run
χ² / ndf 4899 / 42
p0 7361 ± 8.115
8500
8000
7500
7000
6500
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

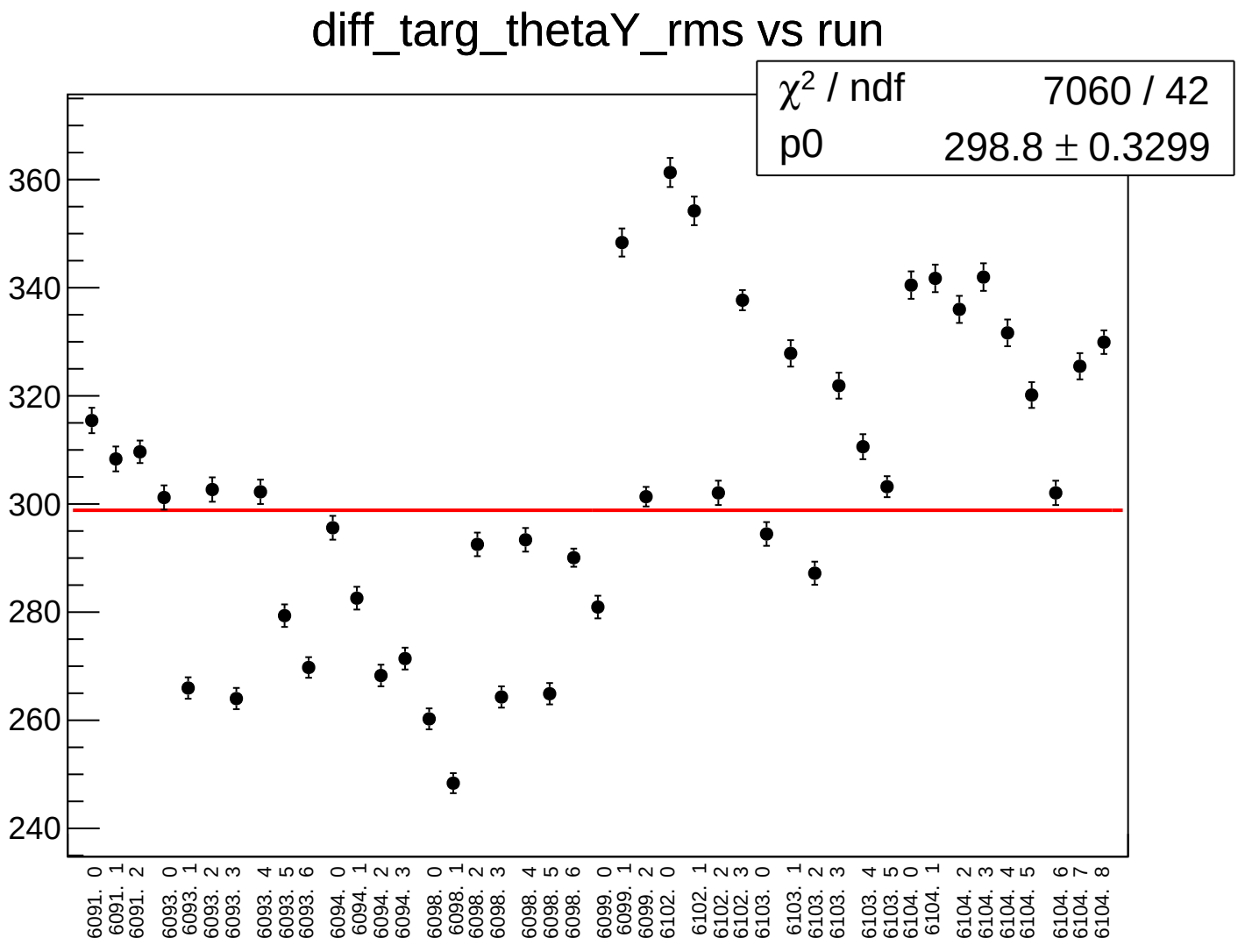

diff_targ_thetaX_mean vs run
χ² / ndf 38.87 / 42
p0 0.2143 ± 1.049
20
10
0
−10
−20
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 73.29
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

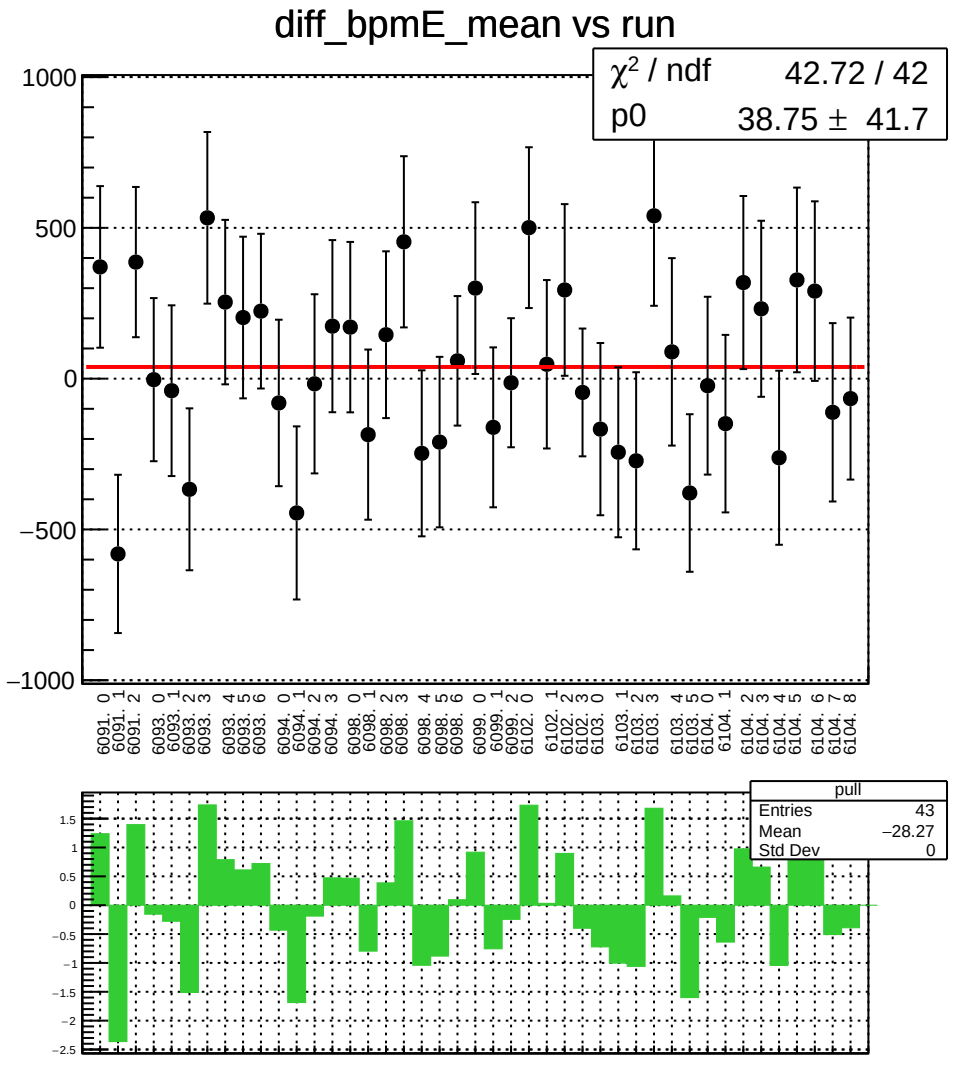

pull1D
Entries 43
Mean −0.01096
Std Dev 0.9507
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

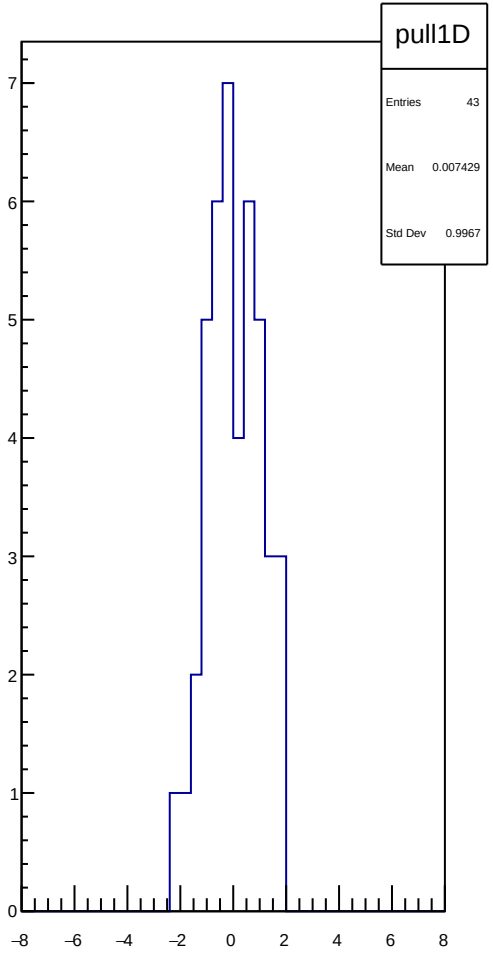

diff_targ_thetaX_rms vs run
χ² / ndf 2673 / 42
p0 674 ± 0.7421
740
720
700
680
660
640
620
600
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

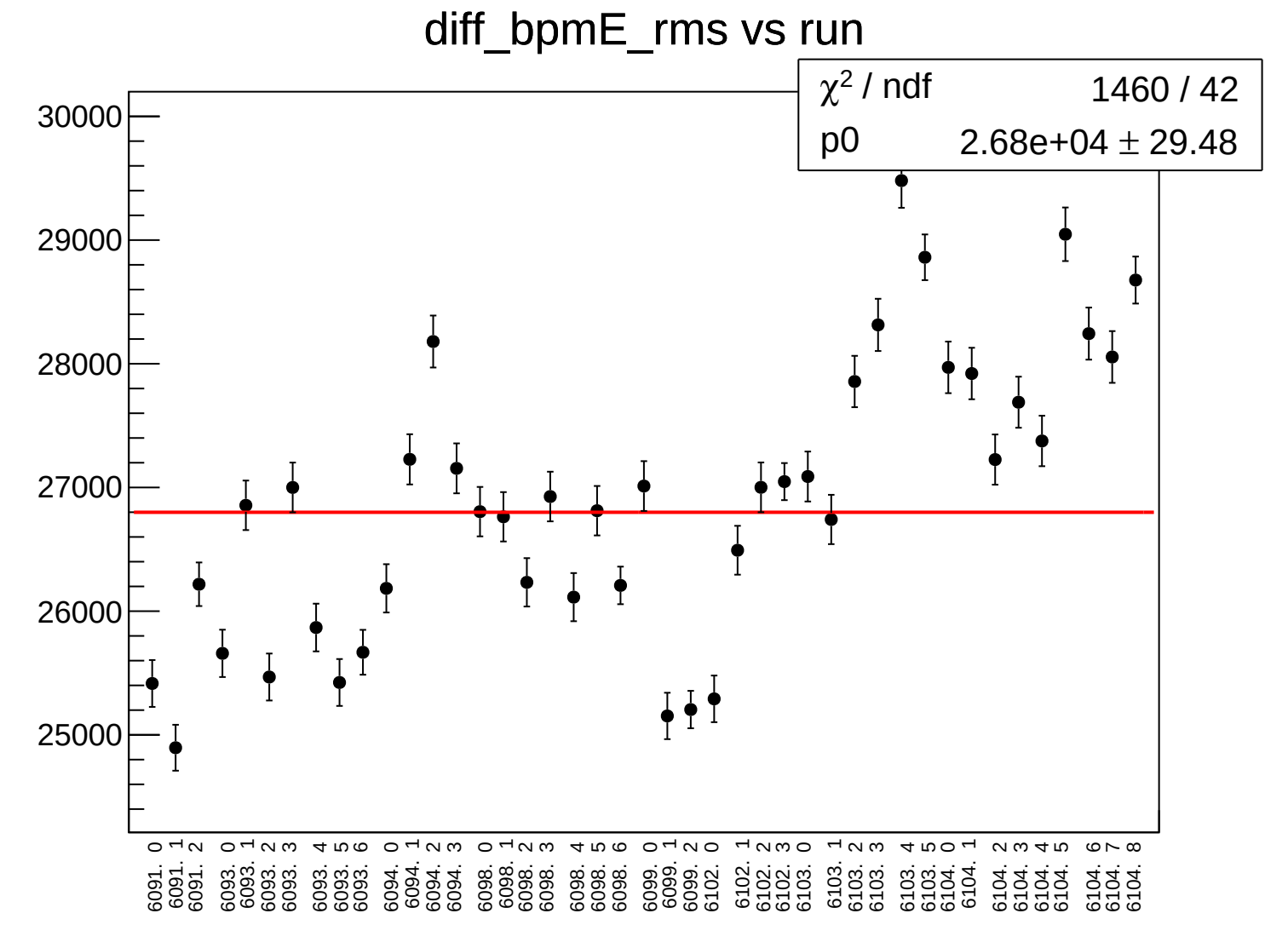

diff_targ_thetaY_mean vs run
χ² / ndf 44.18 / 42
p0 0.1675 ± 0.4665
10
5
0
−5
−10
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean −39.04
Std Dev 28.4
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

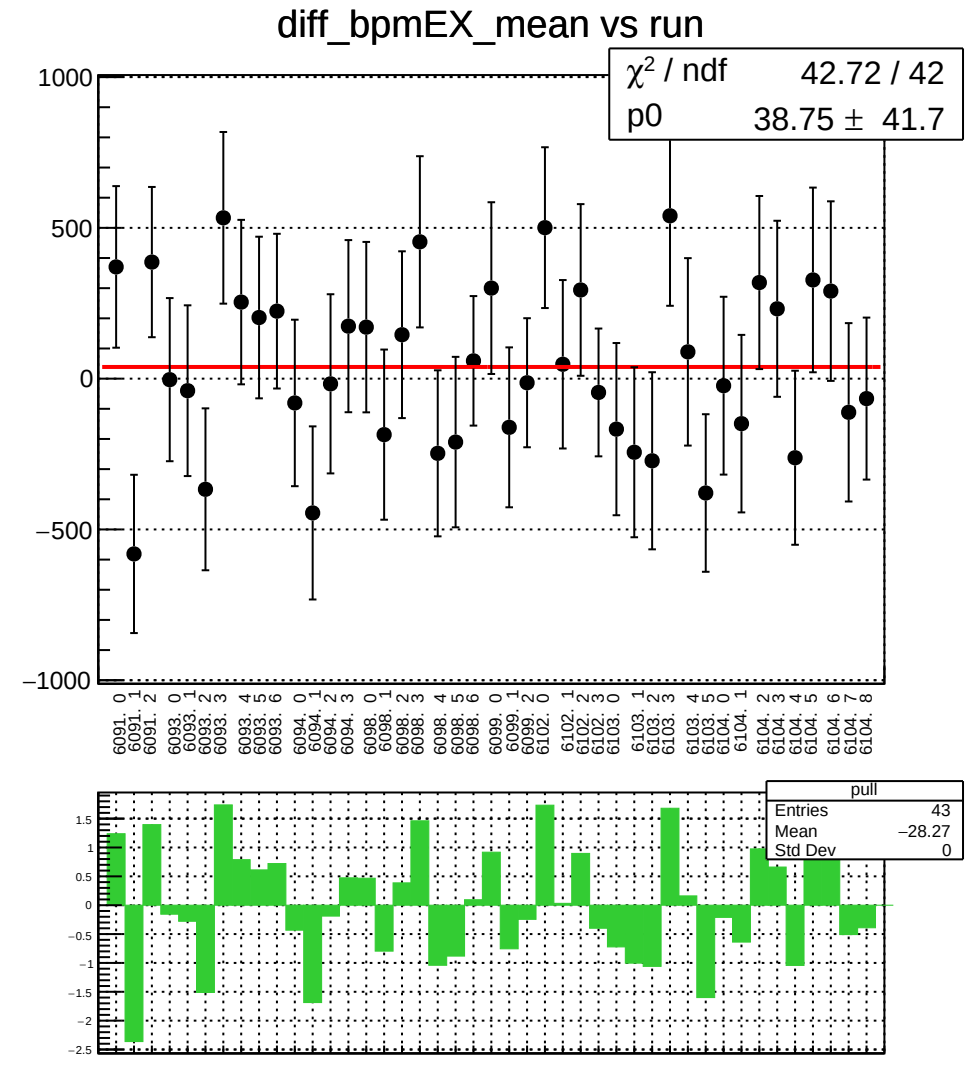

pull1D
Entries 43
Mean −0.00792
Std Dev 1.014
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

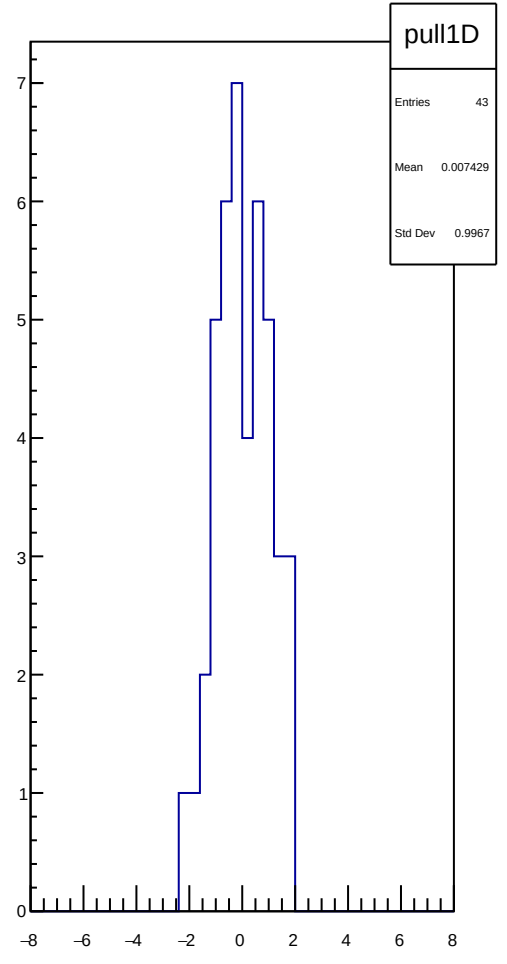

diff_targ_thetaY_rms vs run
χ² / ndf 7060 / 42
p0 298.8 ± 0.3299
360
340
320
300
280
260
240
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

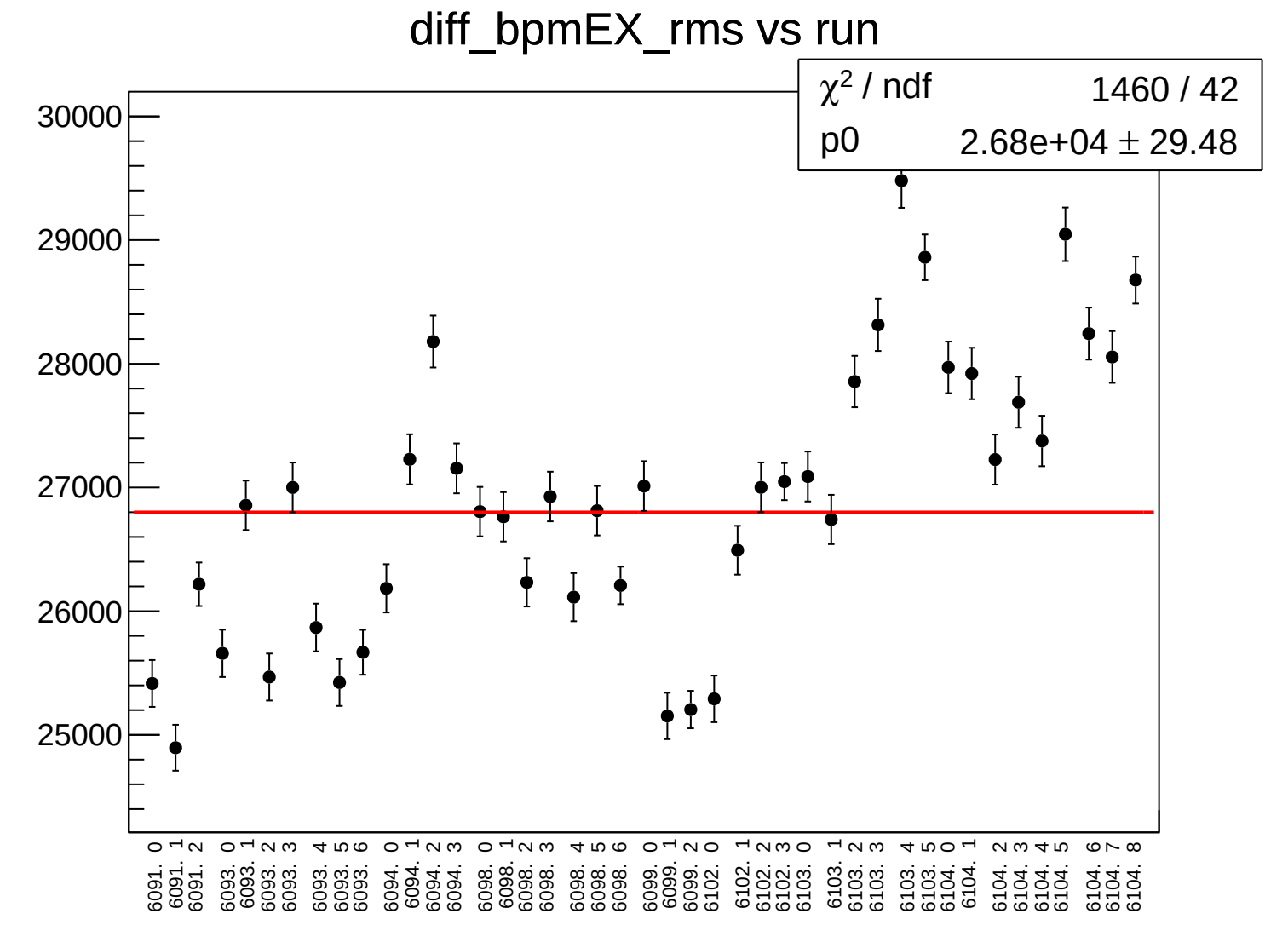

diff_bpmE_mean vs run
χ² / ndf 42.72 / 42
p0 38.75 ± 41.7
1000
500
0
−500
−1000
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean −28.27
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

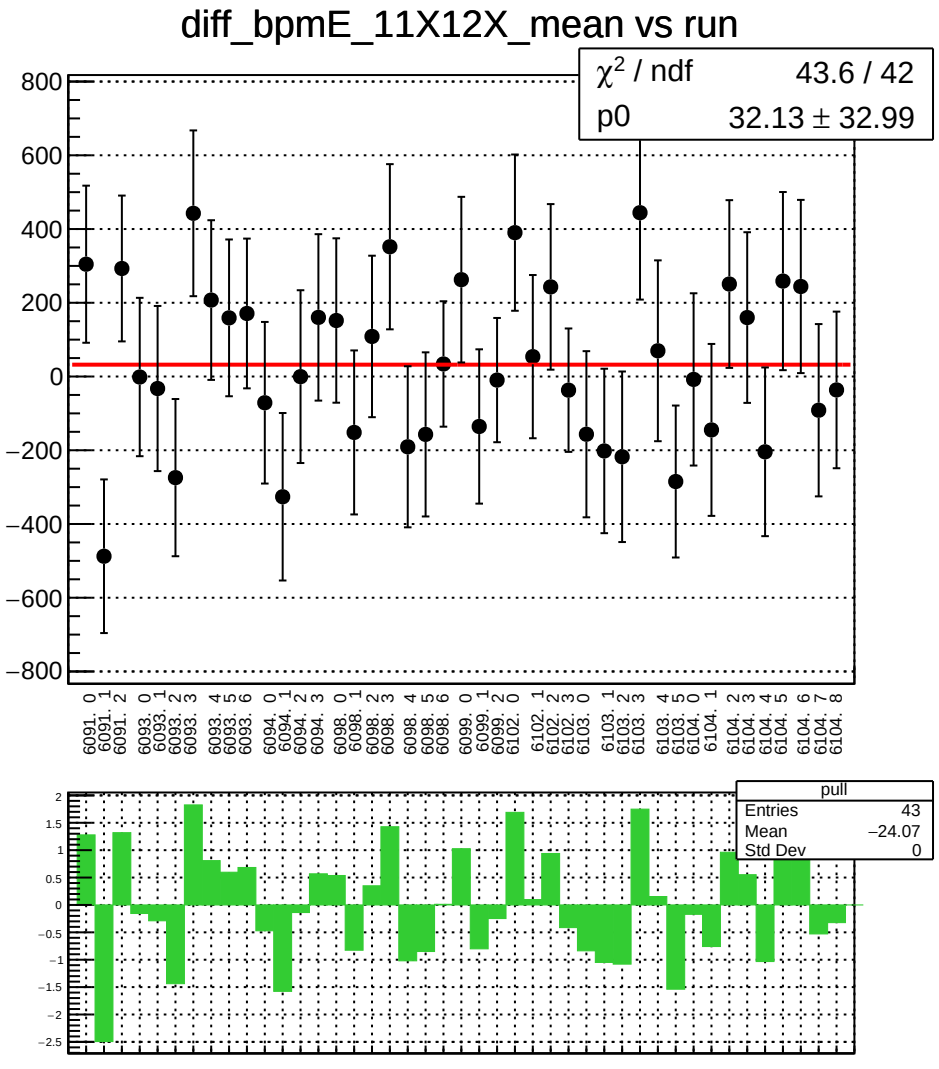

pull1D
Entries 43
Mean 0.007429
Std Dev 0.9967
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

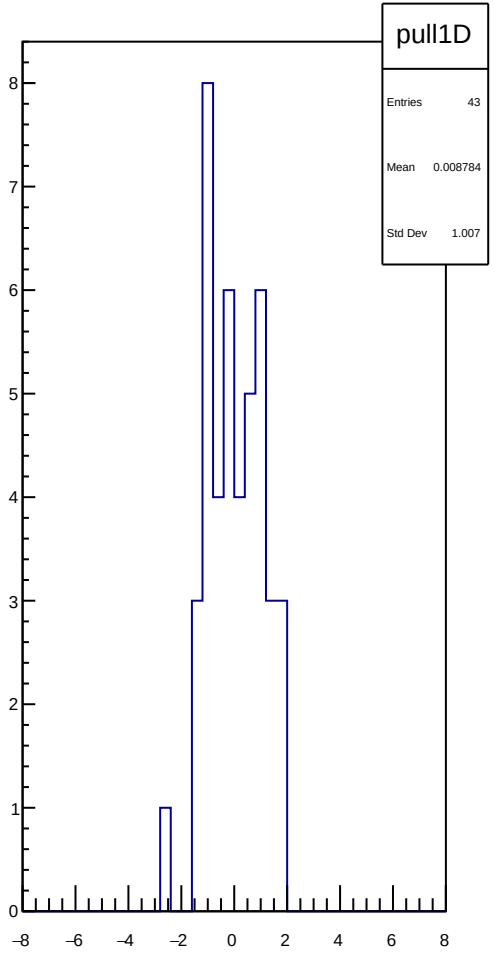

diff_bpmE_rms vs run
χ² / ndf 1460 / 42
p0 2.68e+04 ± 29.48
30000
29000
28000
27000
26000
25000
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

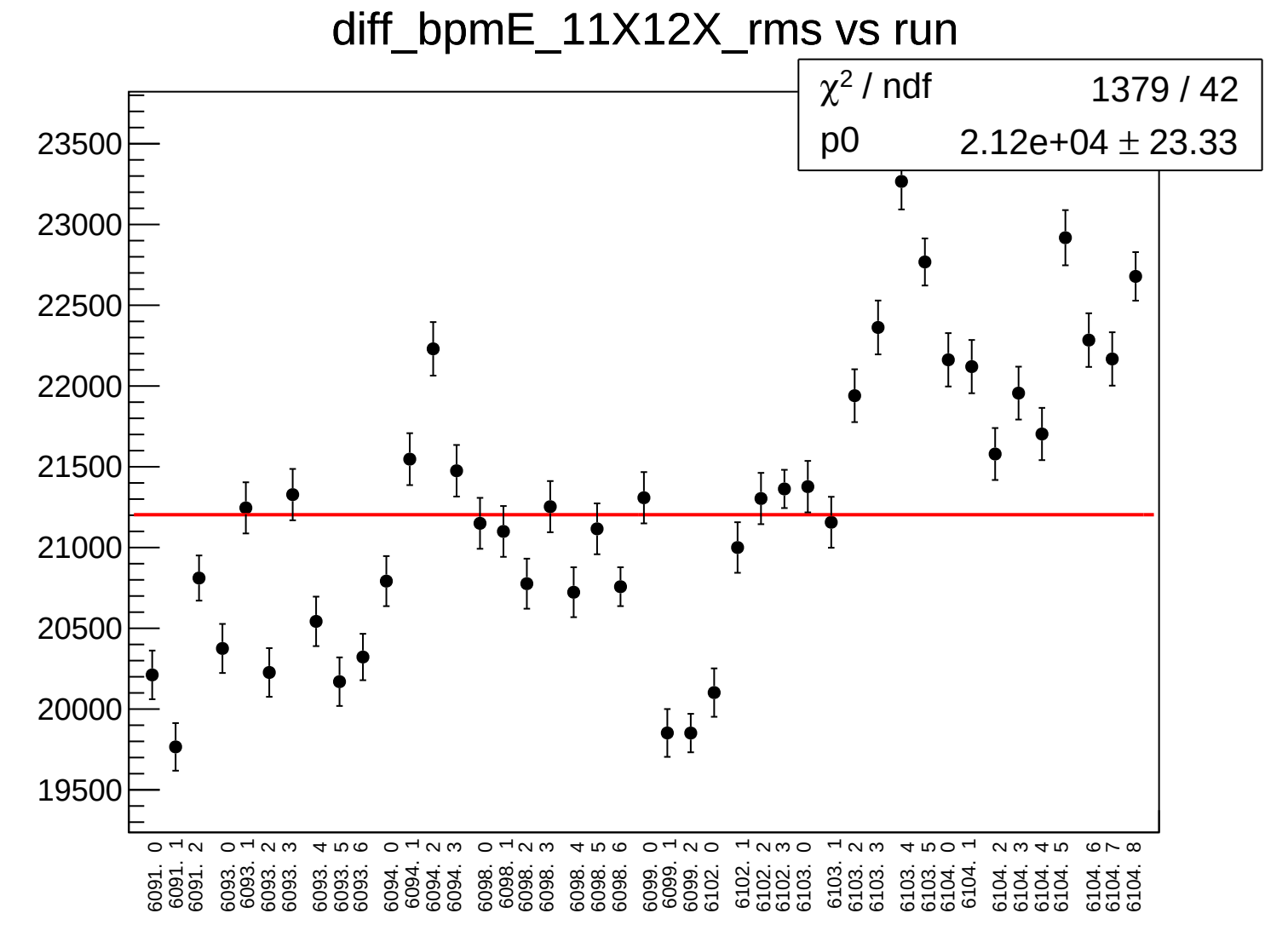

diff_bpmEX_mean vs run
χ² / ndf 42.72 / 42
p0 38.75 ± 41.7
1000
500
0
−500
−1000
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean −28.27
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

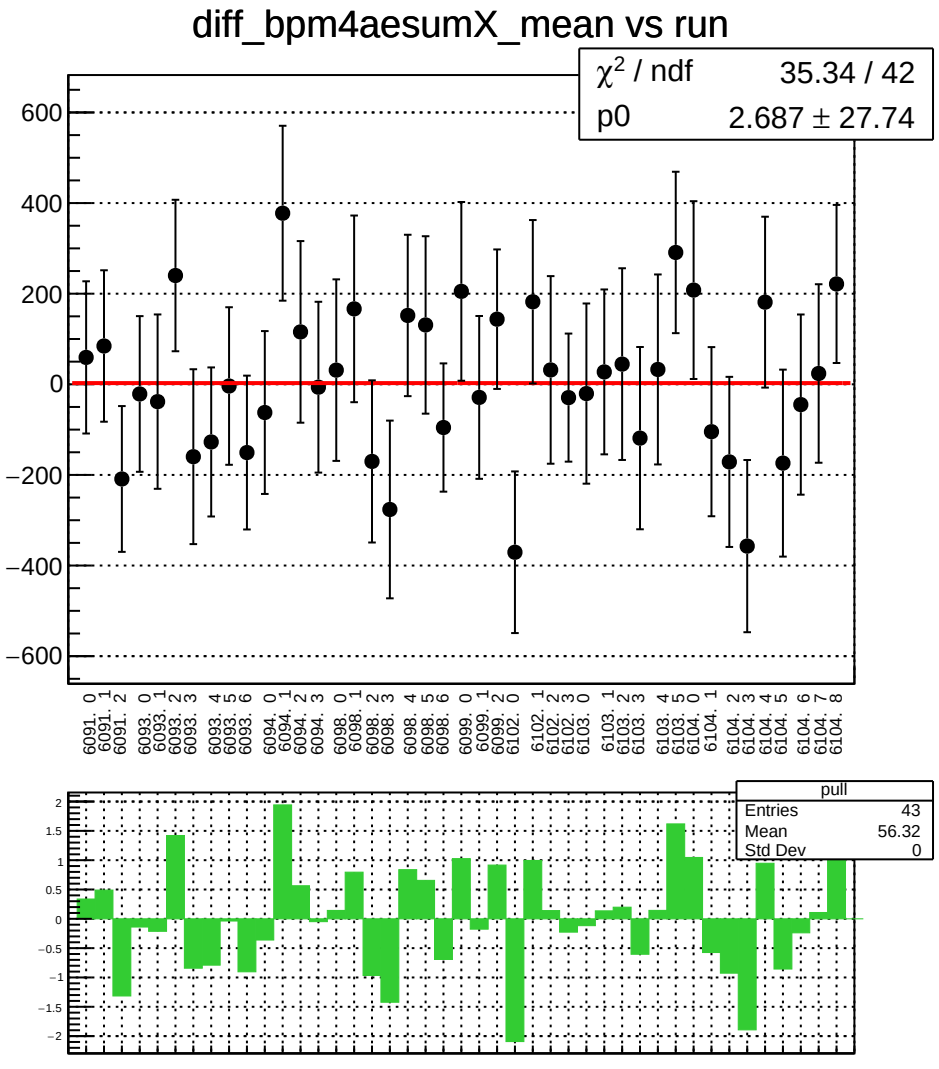

pull1D
Entries 43
Mean 0.007429
Std Dev 0.9967
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

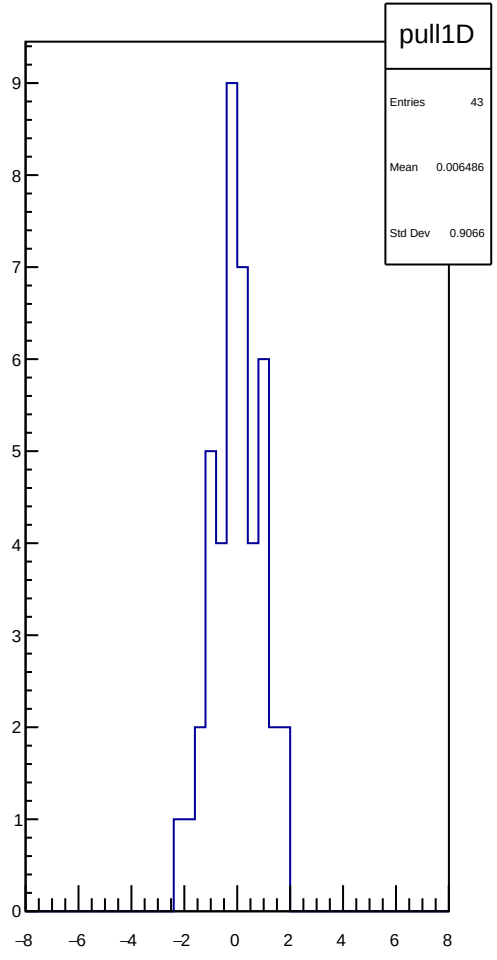

diff_bpmEX_rms vs run
χ² / ndf 1460 / 42
p0 2.68e+04 ± 29.48
30000
29000
28000
27000
26000
25000
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

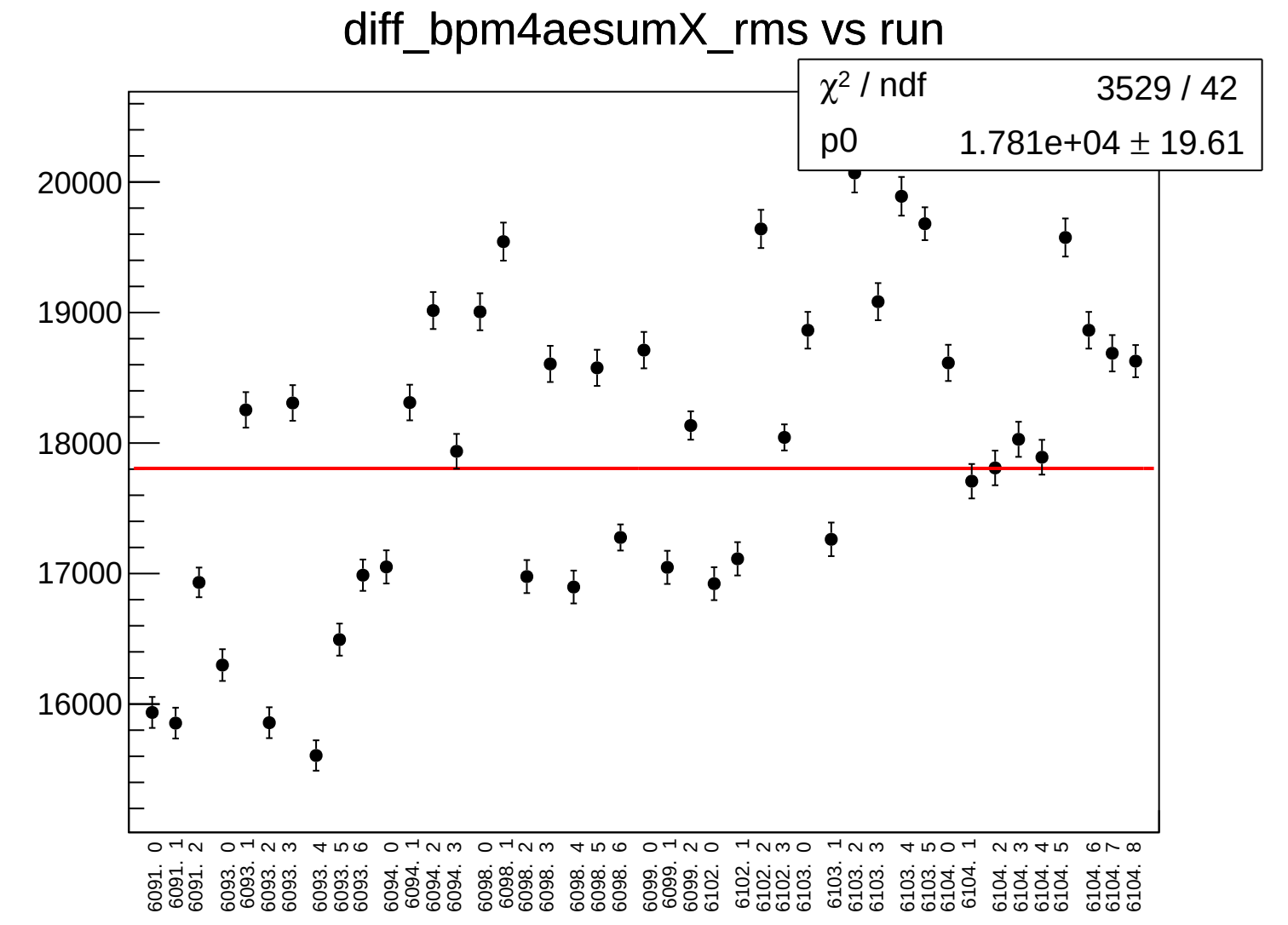

diff_bpmE_11X12X_mean vs run
χ^2 / ndf 43.6 / 42
p0 32.13 ± 32.99
pull
Entries 43
Mean −24.07
Std Dev 0

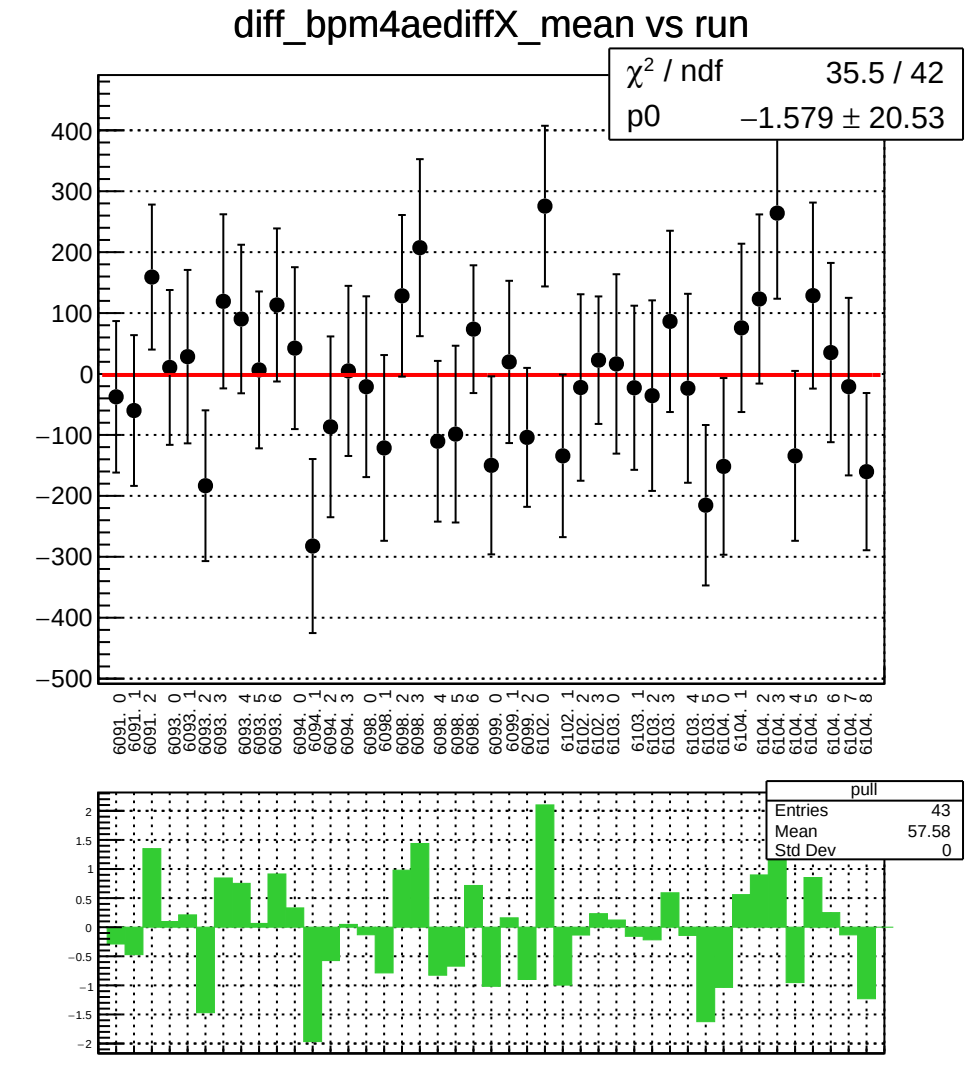

pull1D
Entries 43
Mean 0.008784
Std Dev 1.007

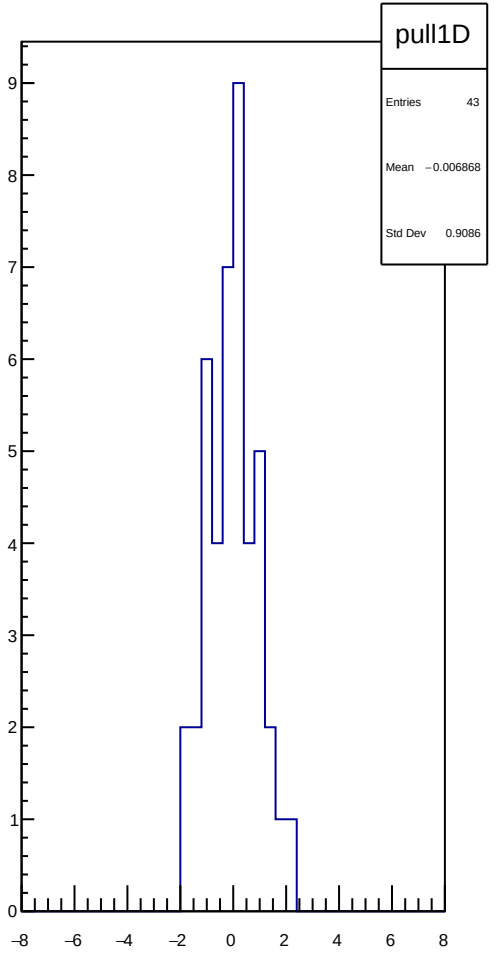

diff_bpmE_11X12X_rms vs run
χ² / ndf 1379 / 42
p0 2.12e+04 ± 23.33
23500
23000
22500
22000
21500
21000
20500
20000
19500
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

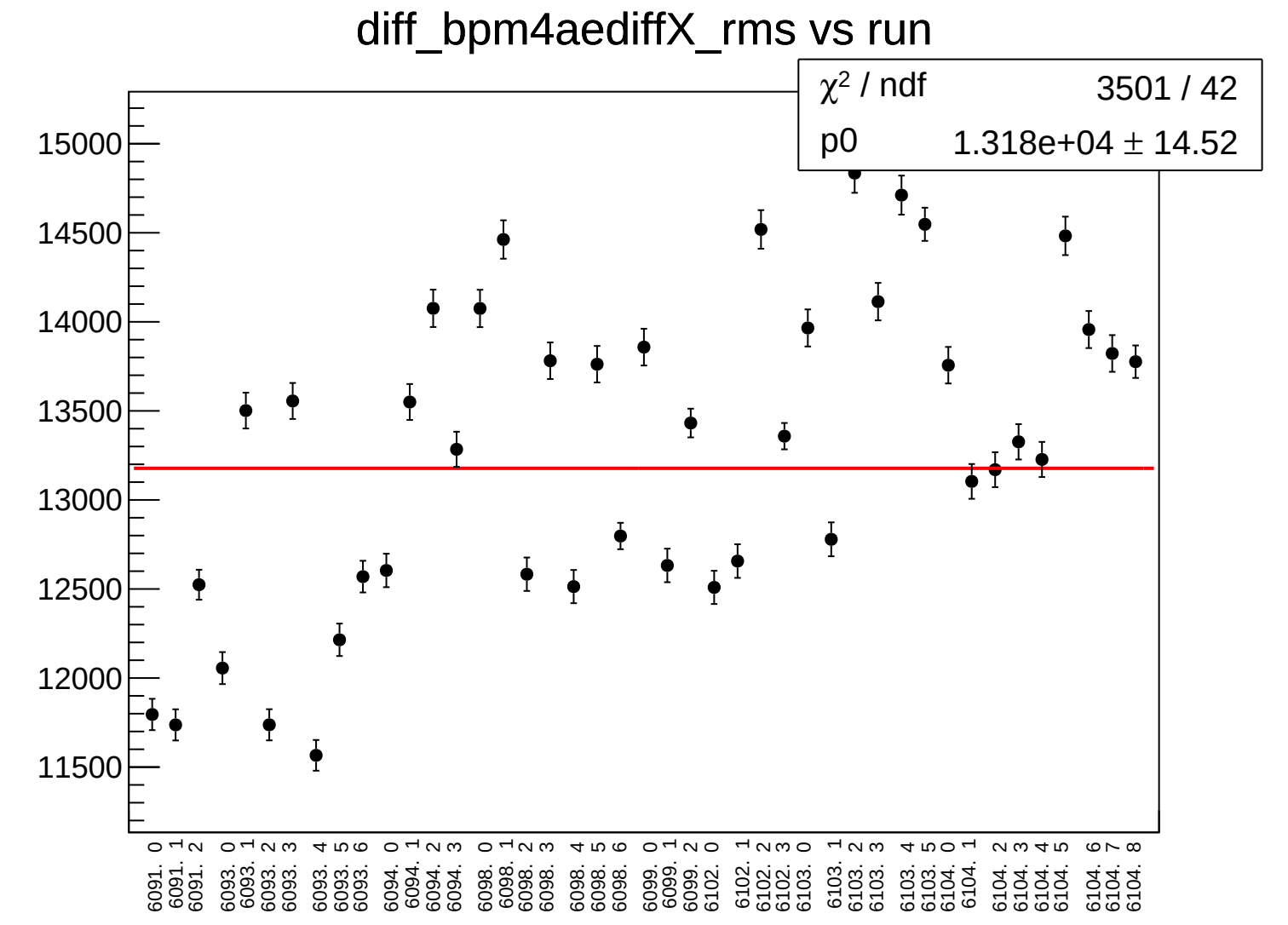

diff_bpm4aesumX_mean vs run
χ^2 / ndf 35.34 / 42
p0 2.687 ± 27.74
600
400
200
0
−200
−400
−600
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 56.32
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

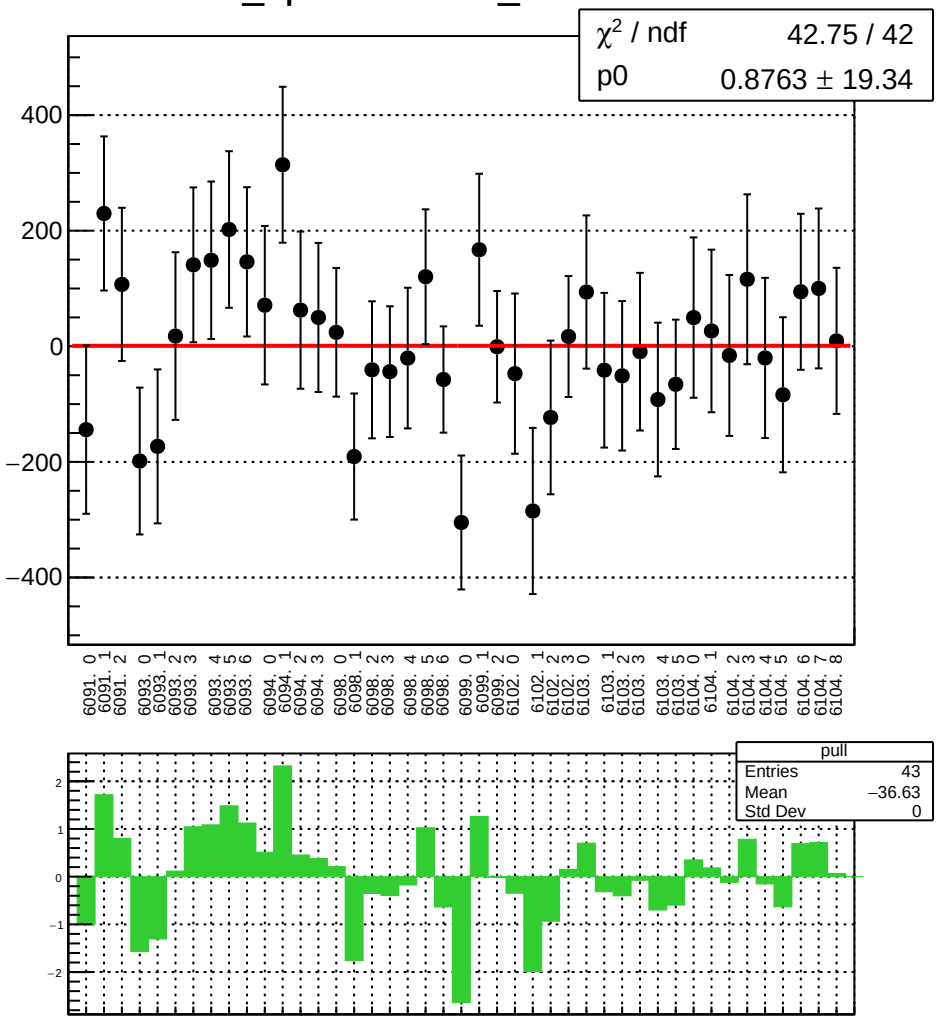

pull1D
Entries 43
Mean 0.006486
Std Dev 0.9066
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

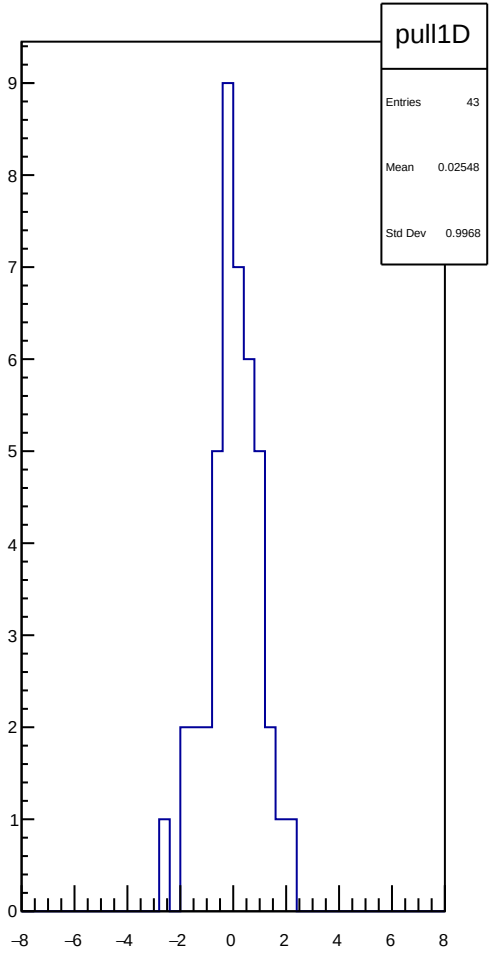

diff_bpm4aesumX_rms vs run
χ² / ndf 3529 / 42
p0 1.781e+04 ± 19.61
20000
19000
18000
17000
16000
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

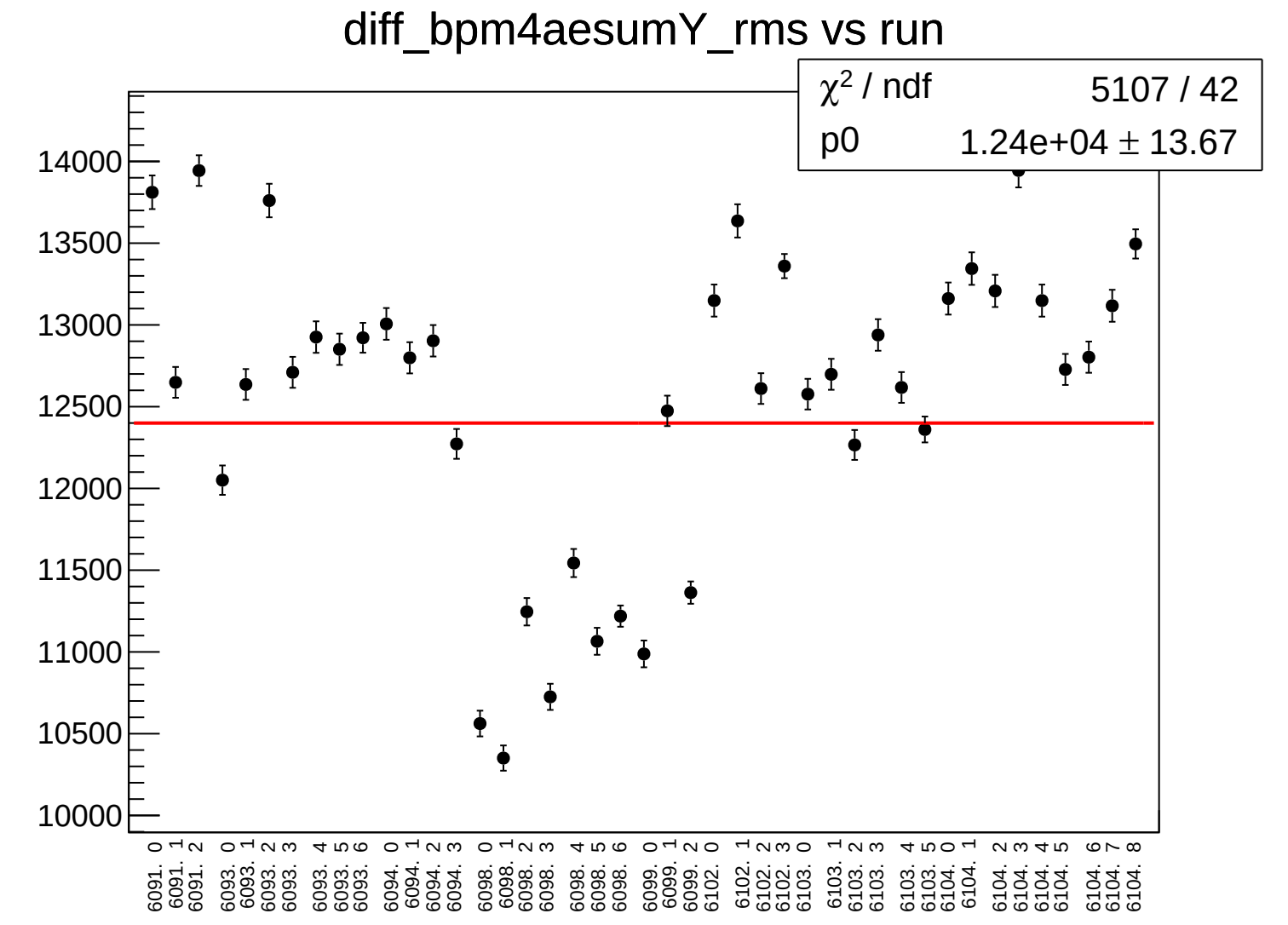

diff_bpm4aediffX_mean vs run
χ² / ndf 35.5 / 42
p0 −1.579 ± 20.53
400
300
200
100
0
−100
−200
−300
−400
−500
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 57.58
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

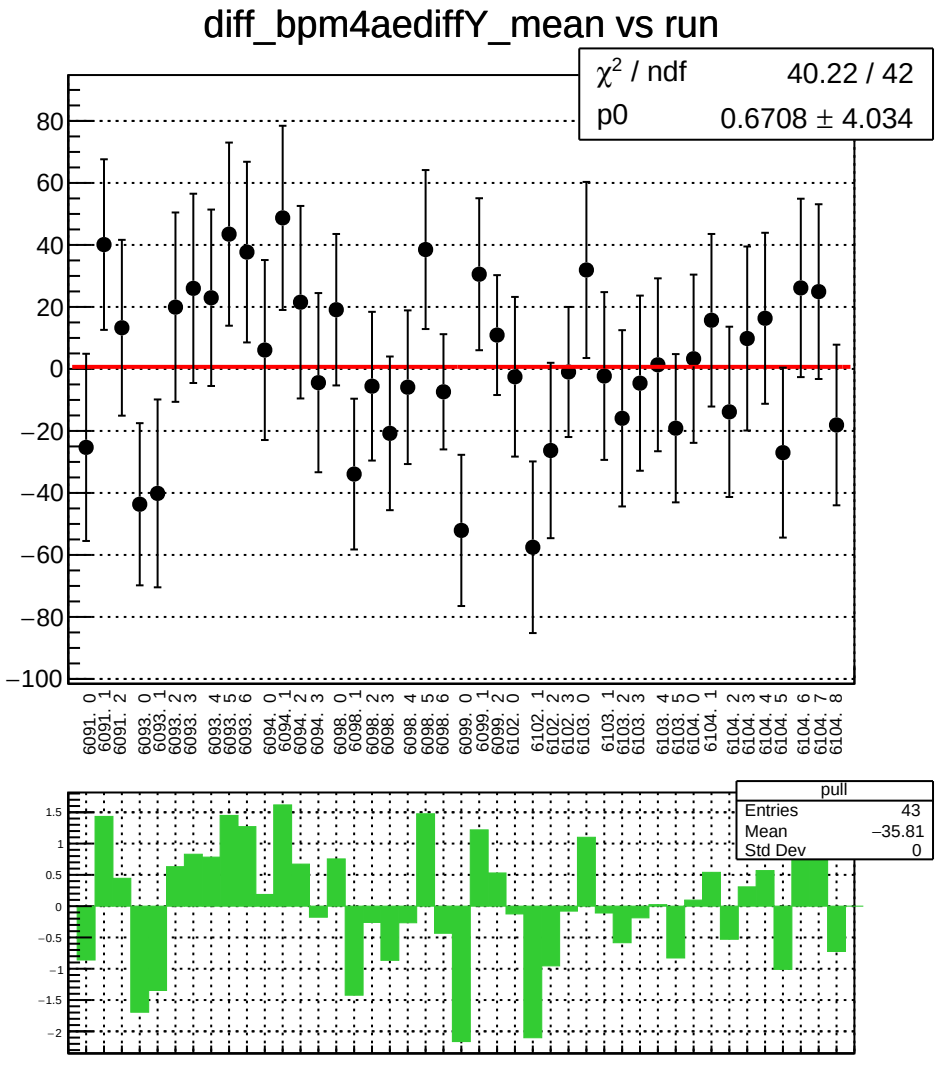

pull1D
Entries 43
Mean −0.006868
Std Dev 0.9086
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

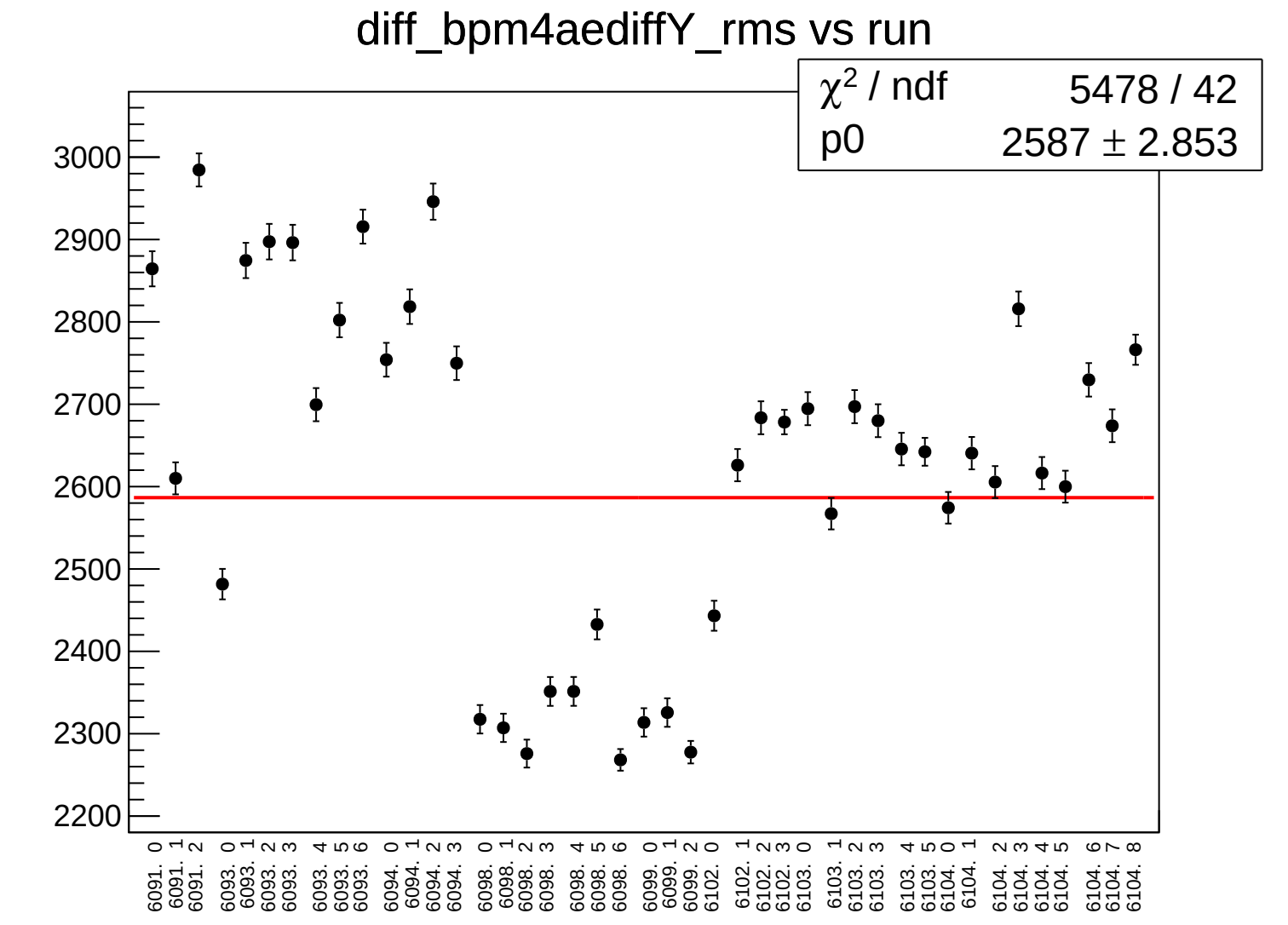

diff_bpm4aediffX_rms vs run
χ² / ndf 3501 / 42
p0 1.318e+04 ± 14.52
15000
14500
14000
13500
13000
12500
12000
11500
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

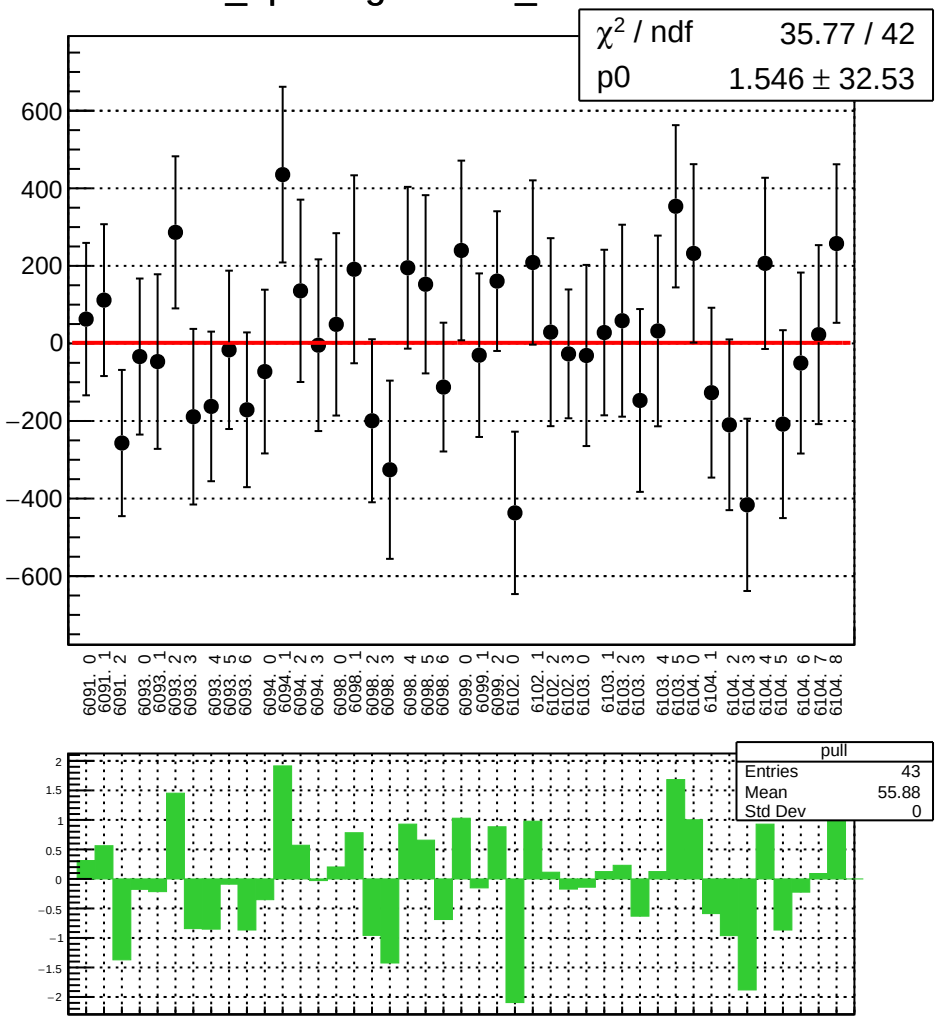

diff_bpm4aesumY_mean vs run
χ² / ndf 42.75 / 42
p0 0.8763 ± 19.34
400
200
0
−200
−400
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean −36.63
Std Dev 0
2
1
0
−1
−2

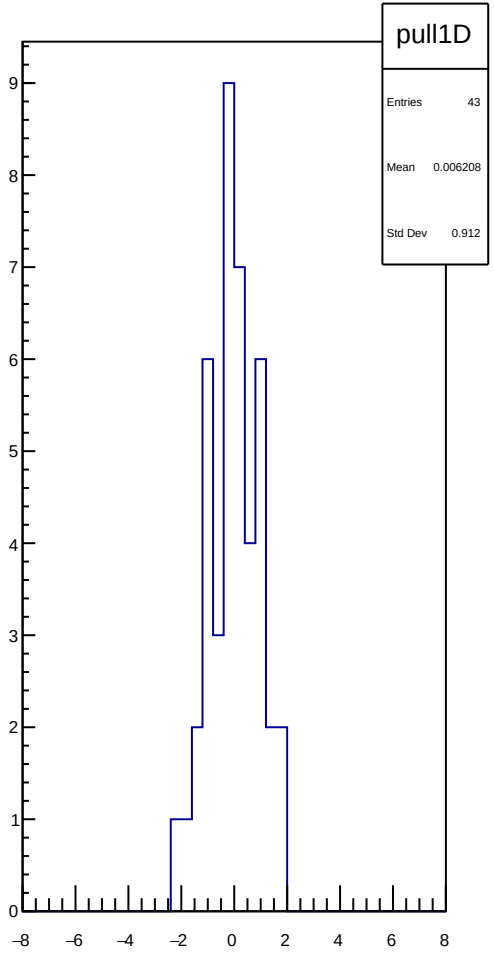

pull1D
Entries 43
Mean 0.02548
Std Dev 0.9968
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

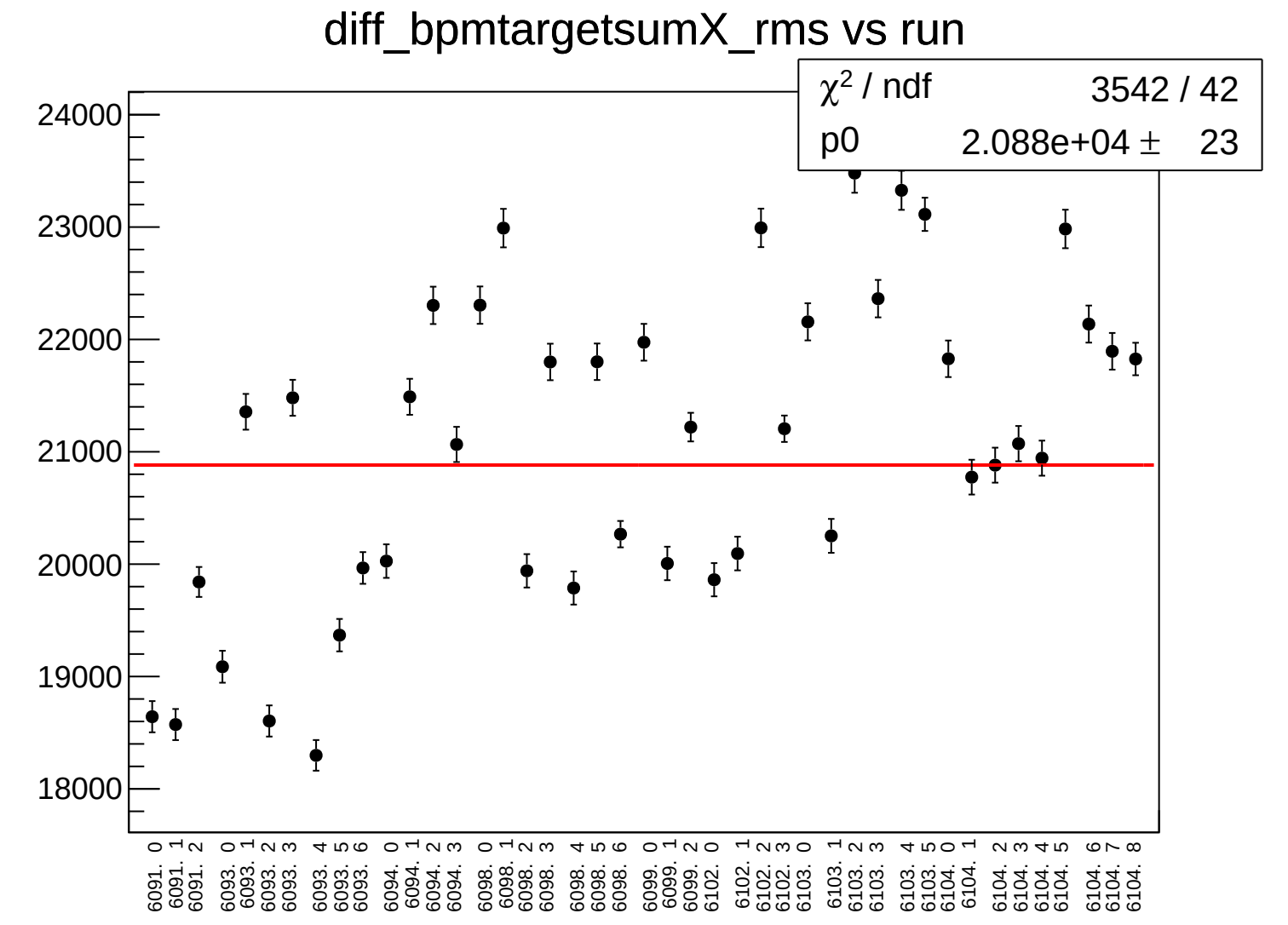

diff_bpm4aesumY_rms vs run
χ² / ndf 5107 / 42
p0 1.24e+04 ± 13.67
14000
13500
13000
12500
12000
11500
11000
10500
10000
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

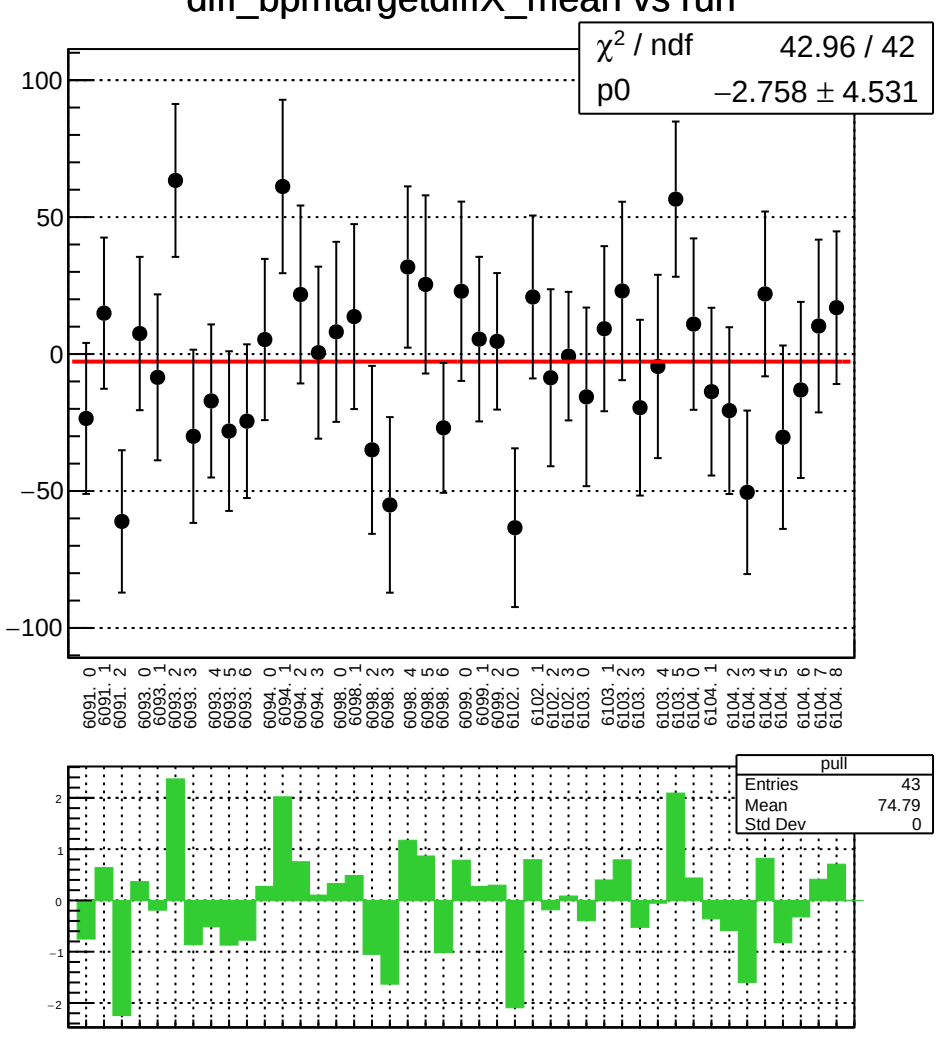

diff_bpm4aediffY_mean vs run
χ² / ndf 40.22 / 42
p0 0.6708 ± 4.034
pull
Entries 43
Mean −35.81
Std Dev 0
pull1D
Entries 43
Mean 0.02247
Std Dev 0.9669

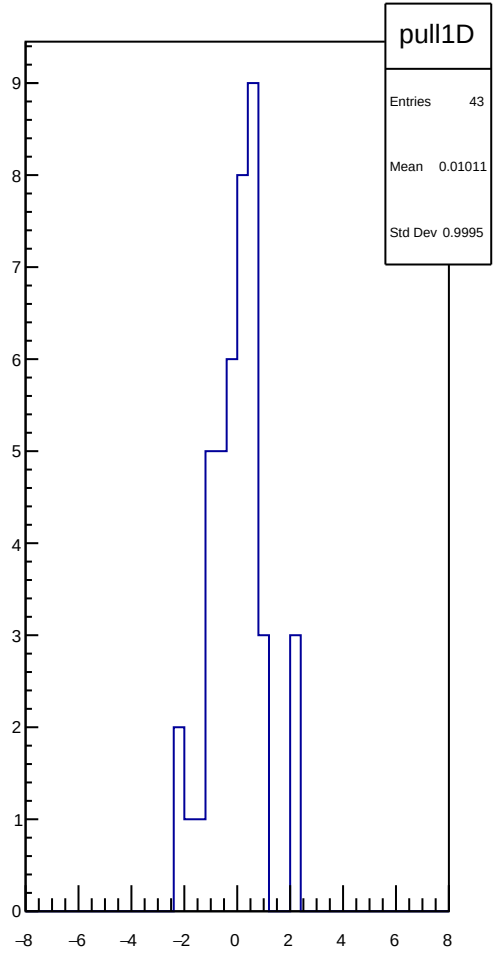

diff_bpm4aediffY_rms vs run
χ² / ndf 5478 / 42
p0 2587 ± 2.853
3000
2900
2800
2700
2600
2500
2400
2300
2200
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

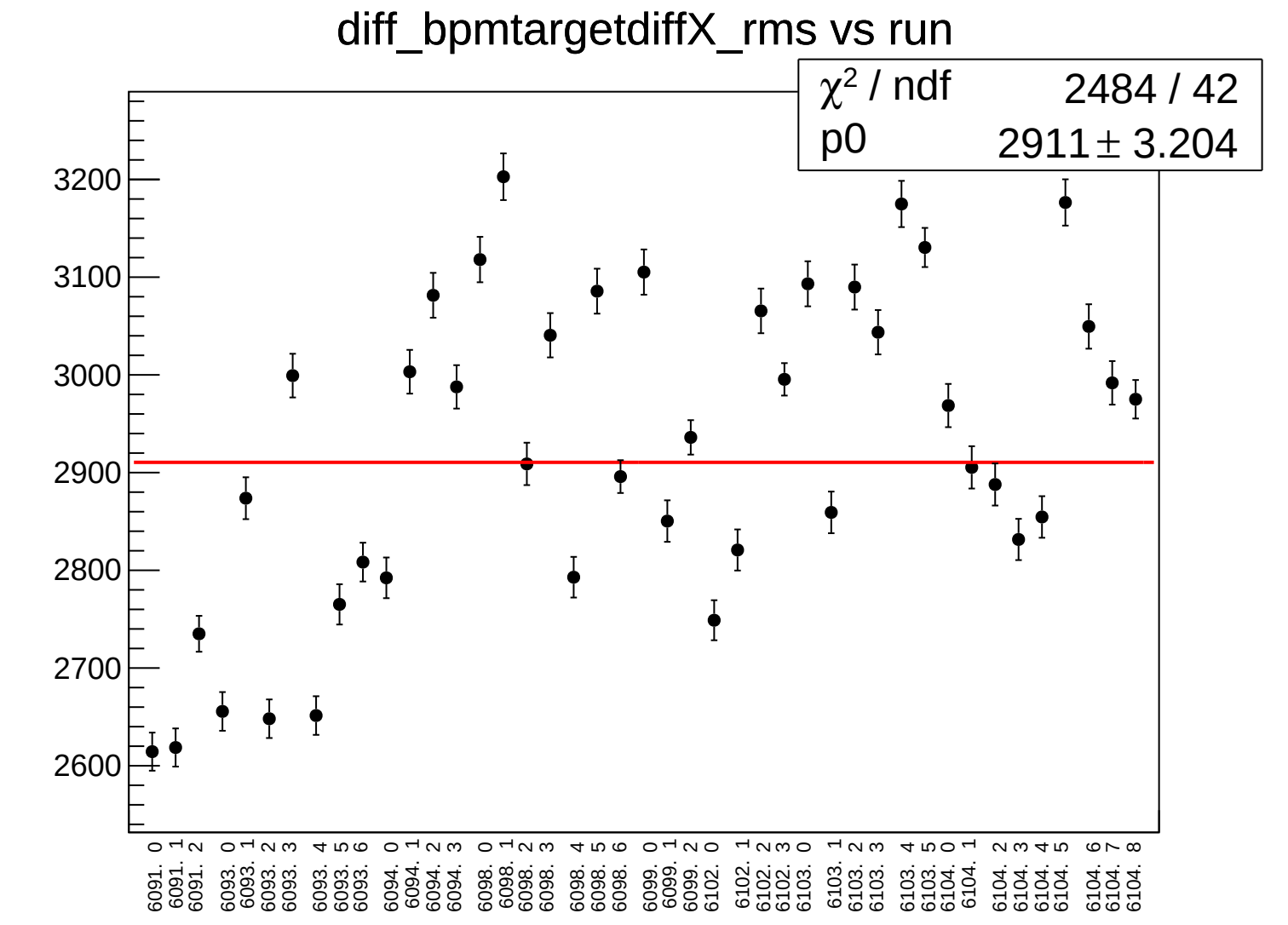

diff_bpmtargetsumX_mean vs run
χ² / ndf 35.77 / 42
p0 1.546 ± 32.53
pull
Entries 43
Mean 55.88
Std Dev 0

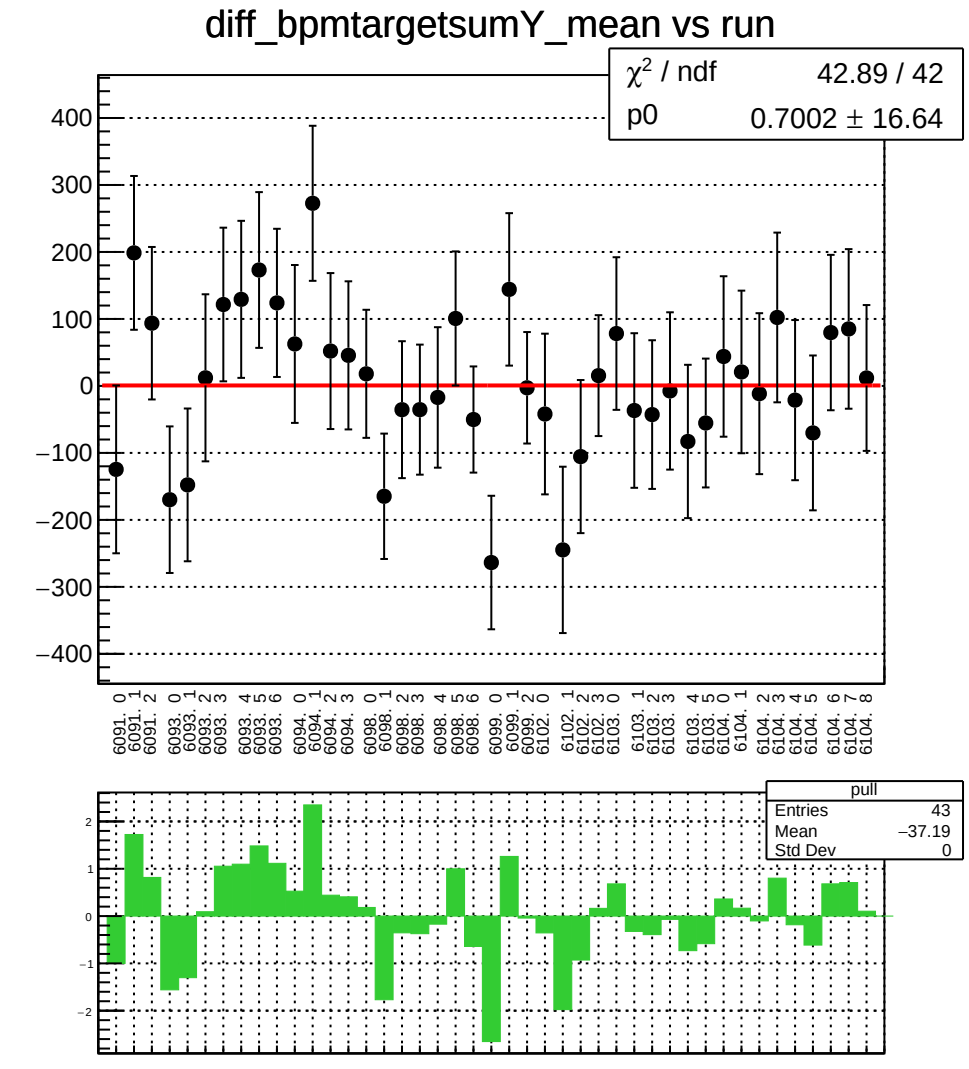

pull1D
Entries 43
Mean 0.006208
Std Dev 0.912

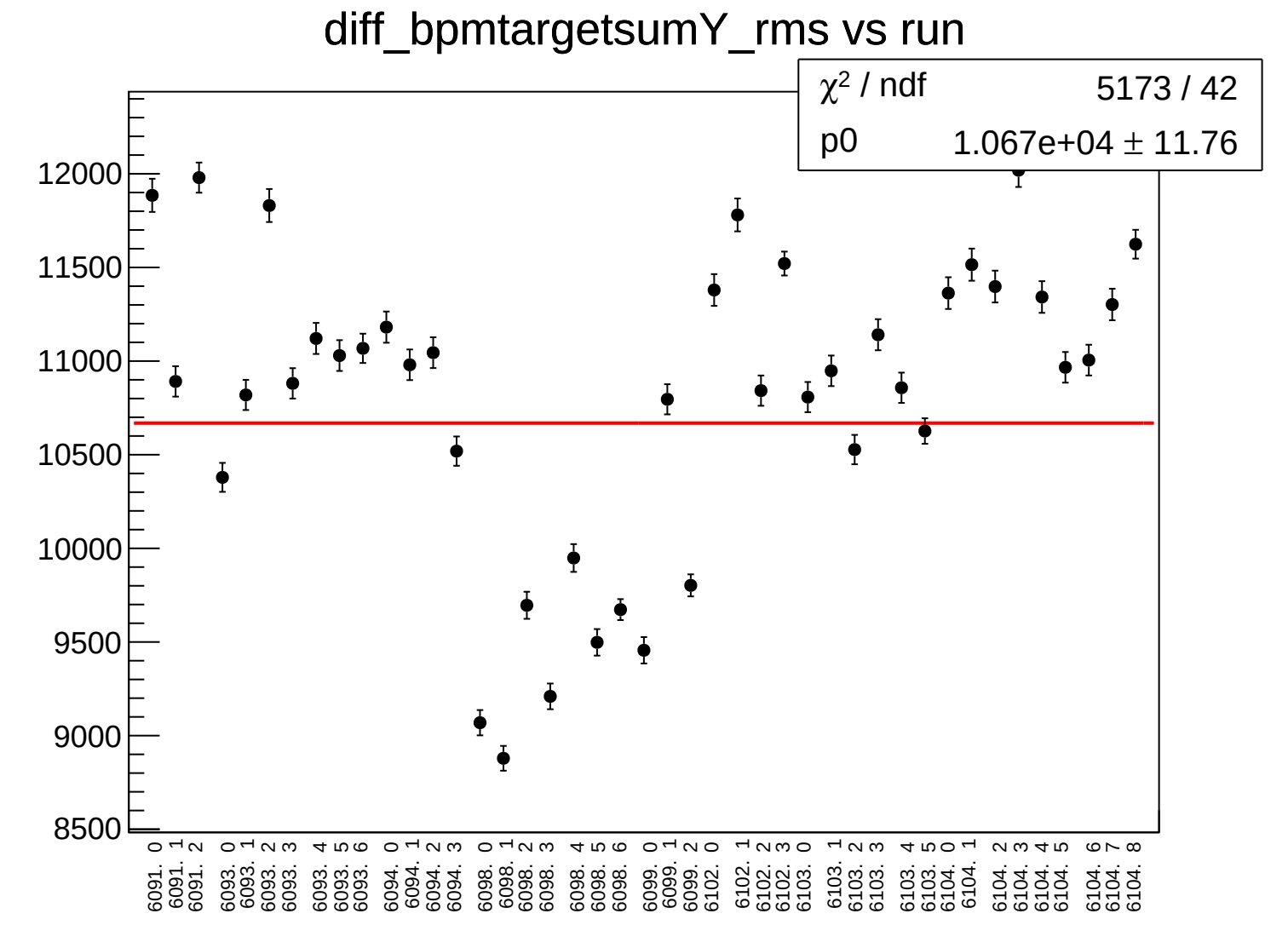

diff_bpmtargetsumX_rms vs run
χ² / ndf 3542 / 42
p0 2.088e+04 ± 23
24000
23000
22000
21000
20000
19000
18000
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

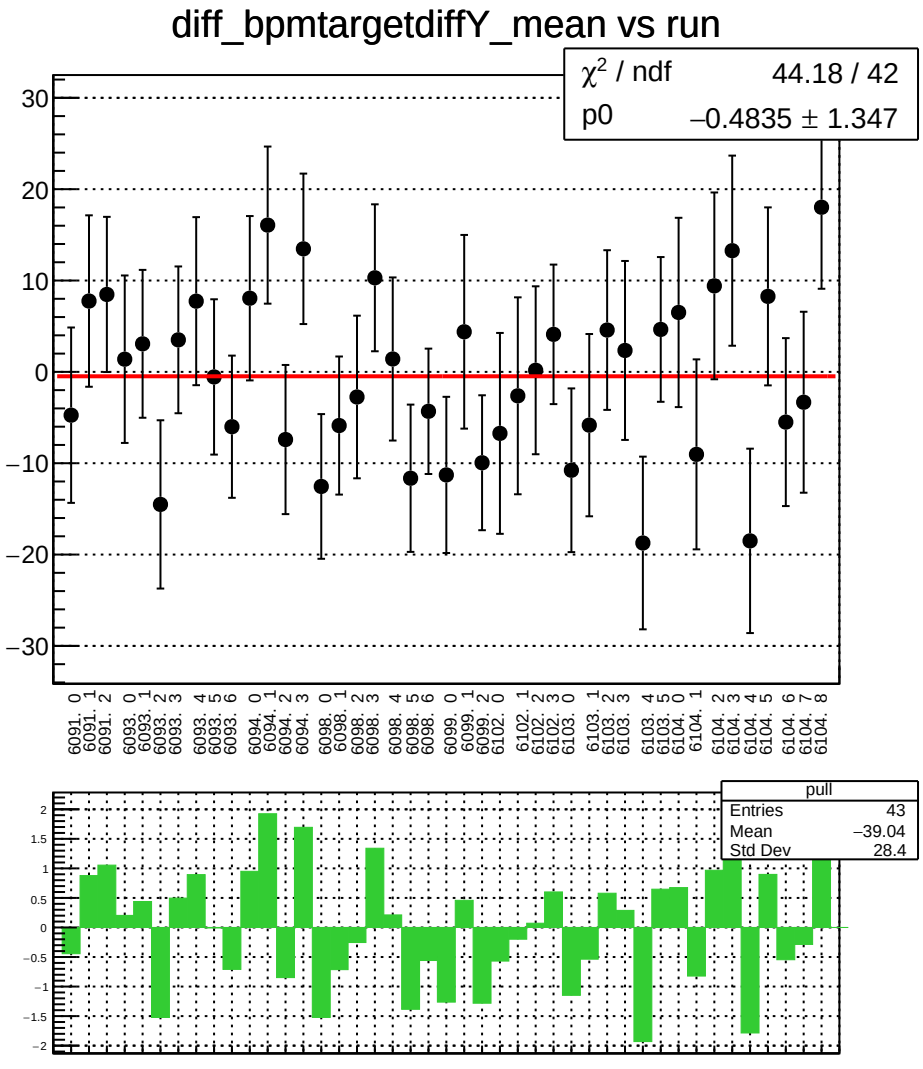

diff_bpmtargetdiffX_mean vs run
χ² / ndf 42.96 / 42
p0 −2.758 ± 4.531
100
50
0
−50
−100
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 74.79
Std Dev 0
2
1
0
−1
−2

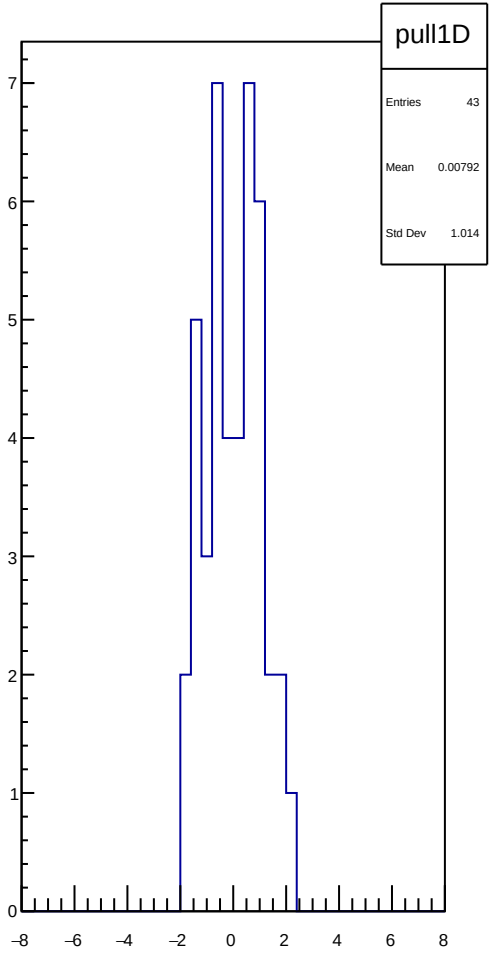

pull1D
Entries 43
Mean 0.01011
Std Dev 0.9995
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

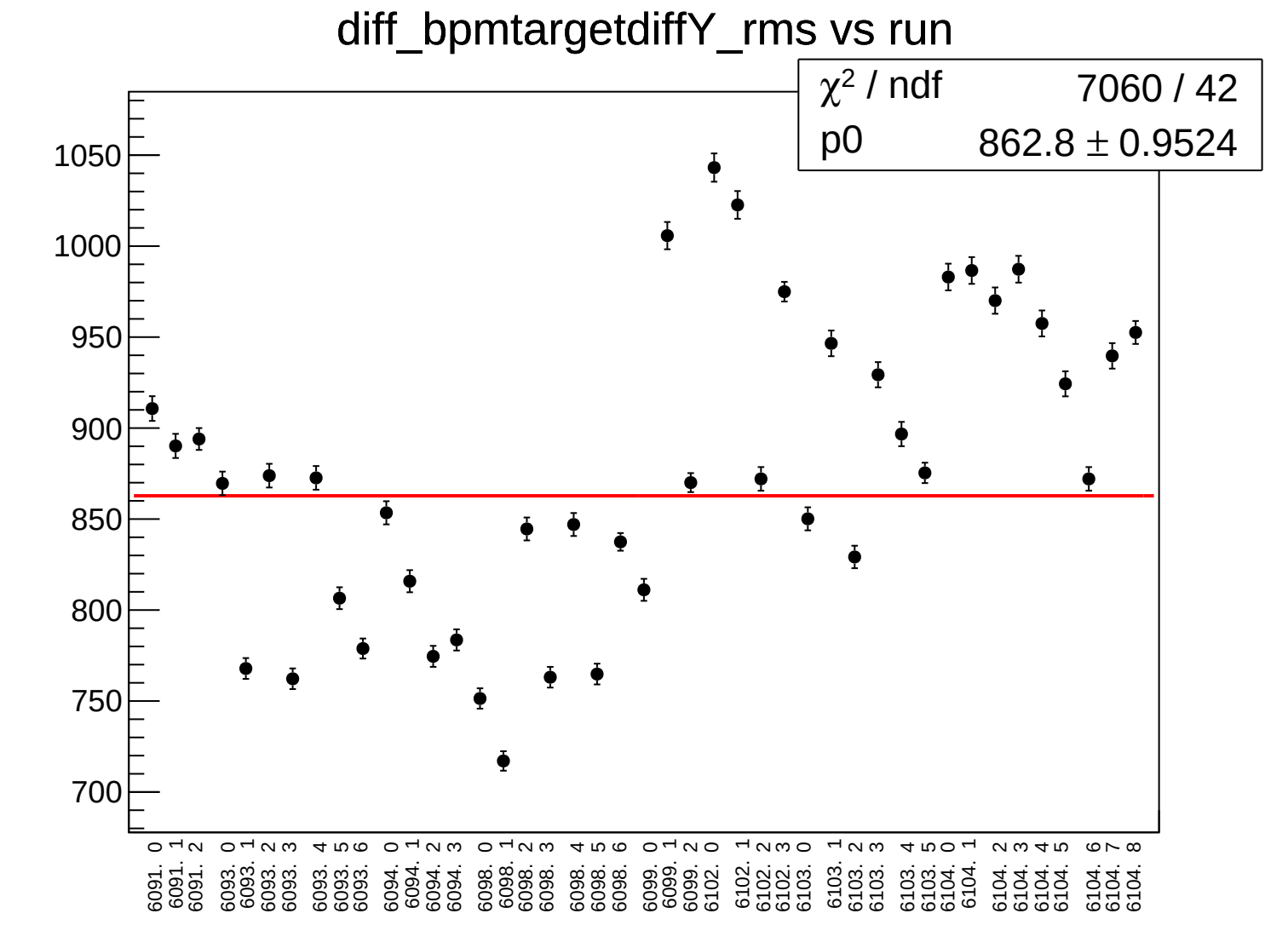

diff_bpmtargetdiffX_rms vs run
χ² / ndf 2484 / 42
p0 2911 ± 3.204
3200
3100
3000
2900
2800
2700
2600
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

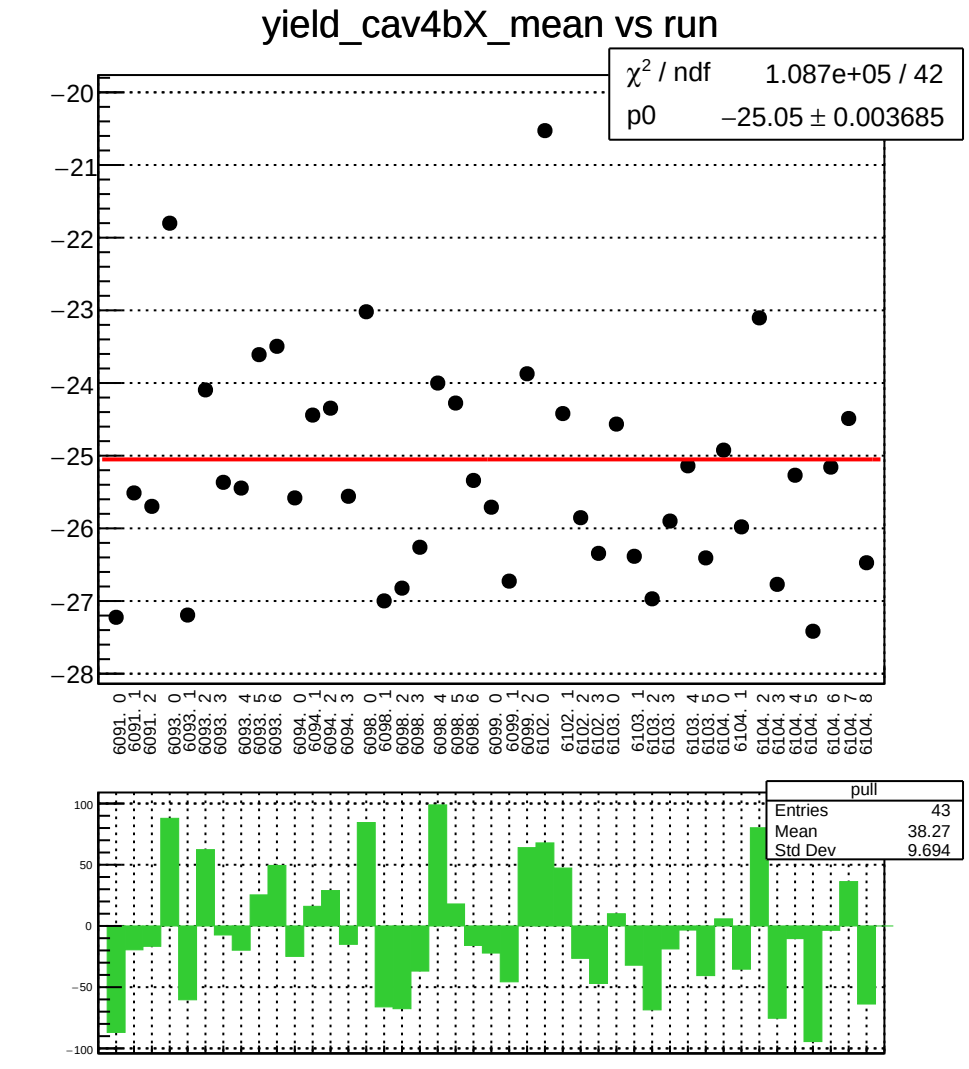

diff_bpmtargetsumY_mean vs run
χ² / ndf 42.89 / 42
p0 0.7002 ± 16.64
pull
Entries 43
Mean −37.19
Std Dev 0
pull1D
Entries 43
Mean 0.02534
Std Dev 0.9984

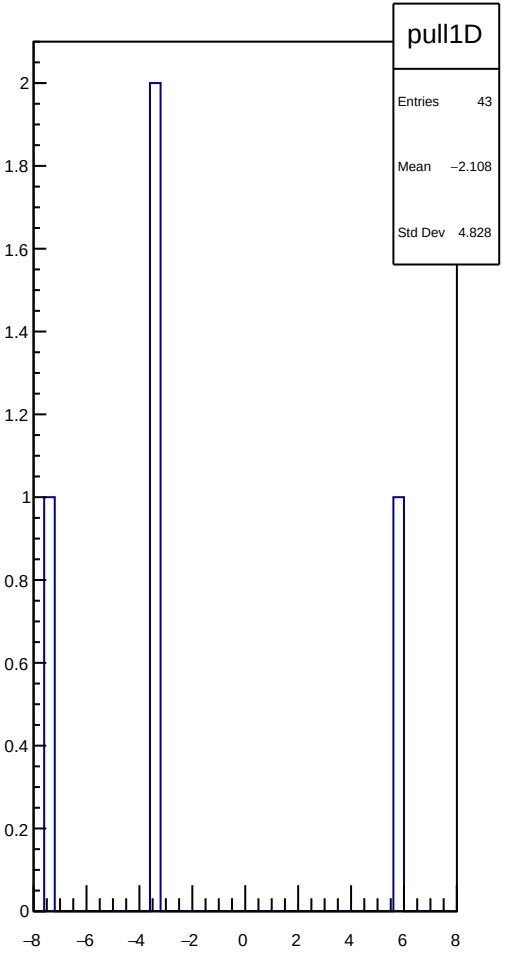

diff_bpmtargetsumY_rms vs run
χ² / ndf 5173 / 42
p0 1.067e+04 ± 11.76
12000
11500
11000
10500
10000
9500
9000
8500
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

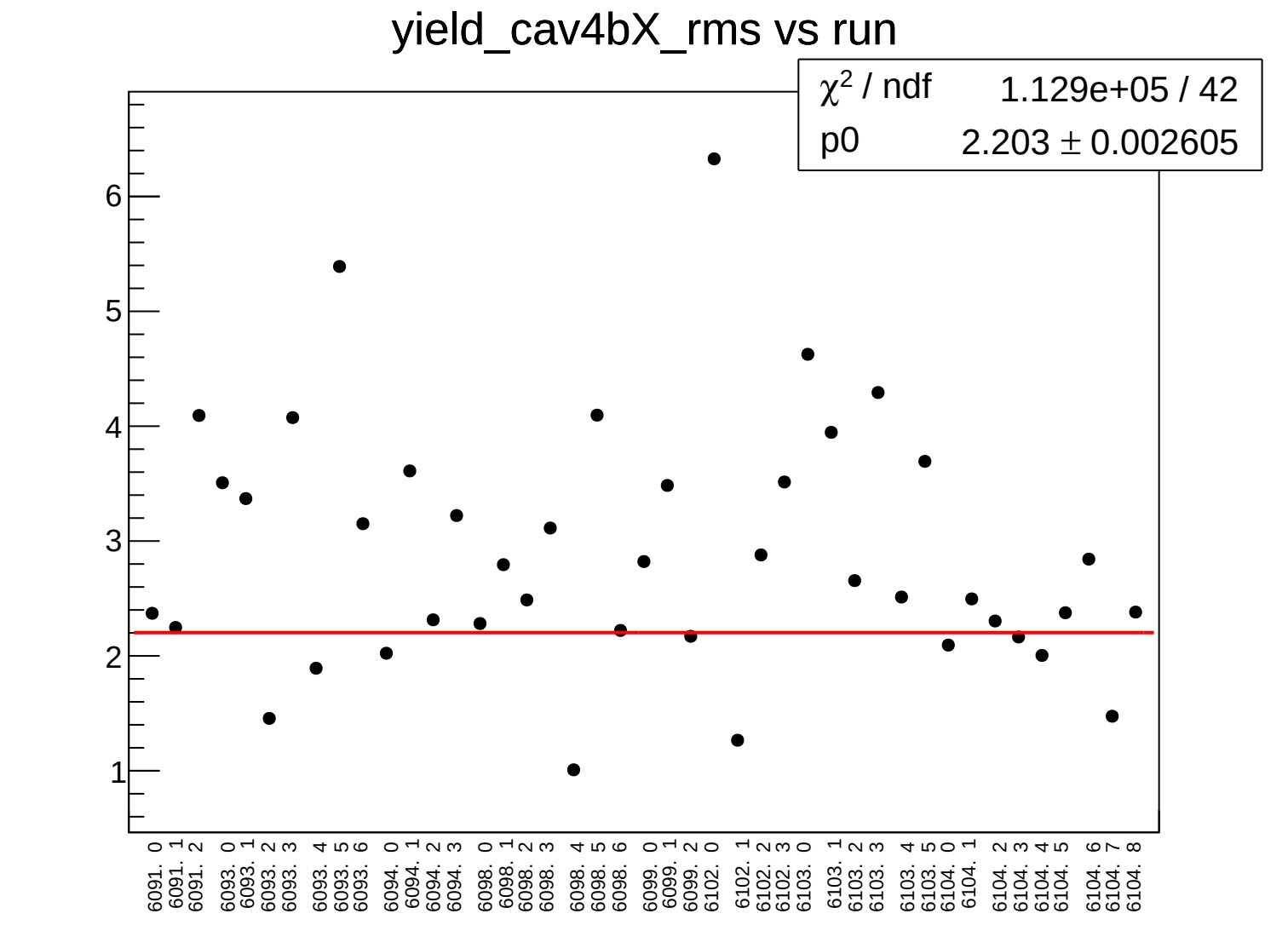

diff_bpmtargetdiffY_mean vs run
χ² / ndf 44.18 / 42
p0 −0.4835 ± 1.347
30
20
10
0
−10
−20
−30
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean −39.04
Std Dev 28.4
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

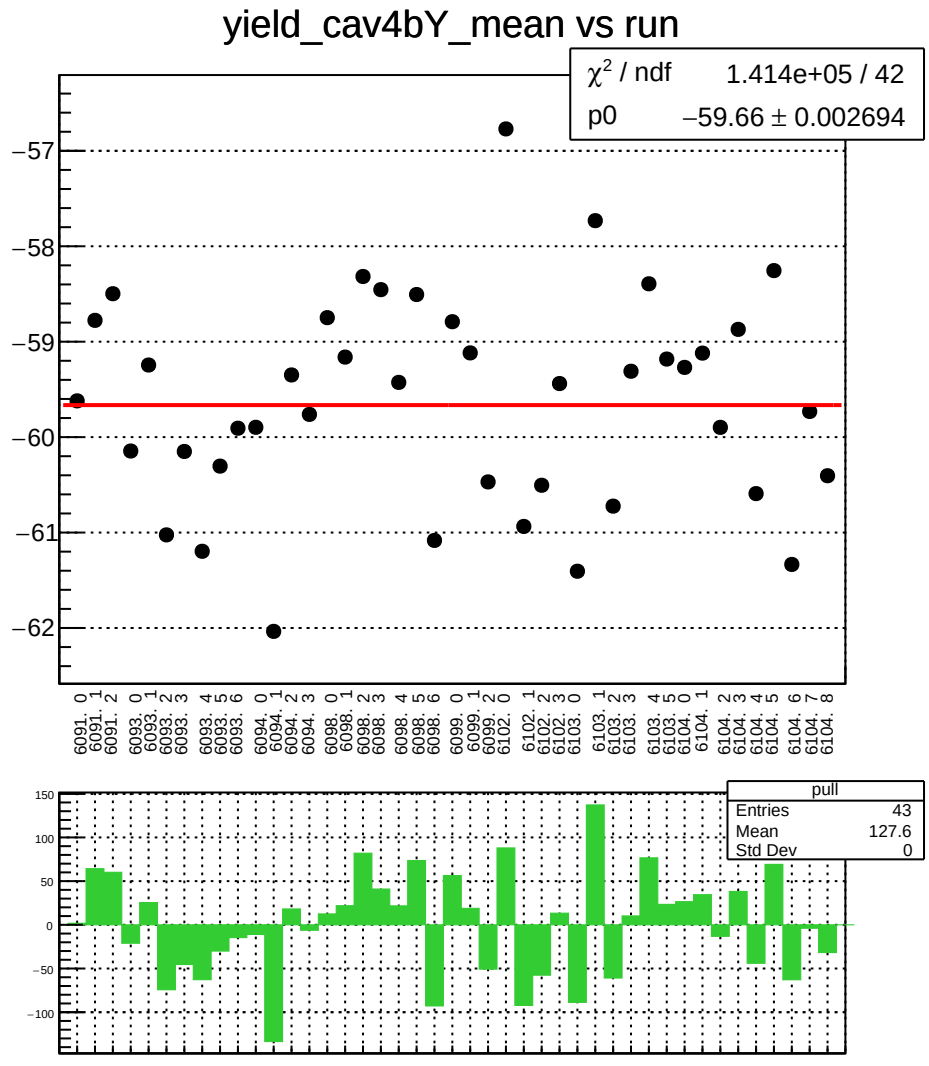

pull1D
Entries 43
Mean 0.00792
Std Dev 1.014
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

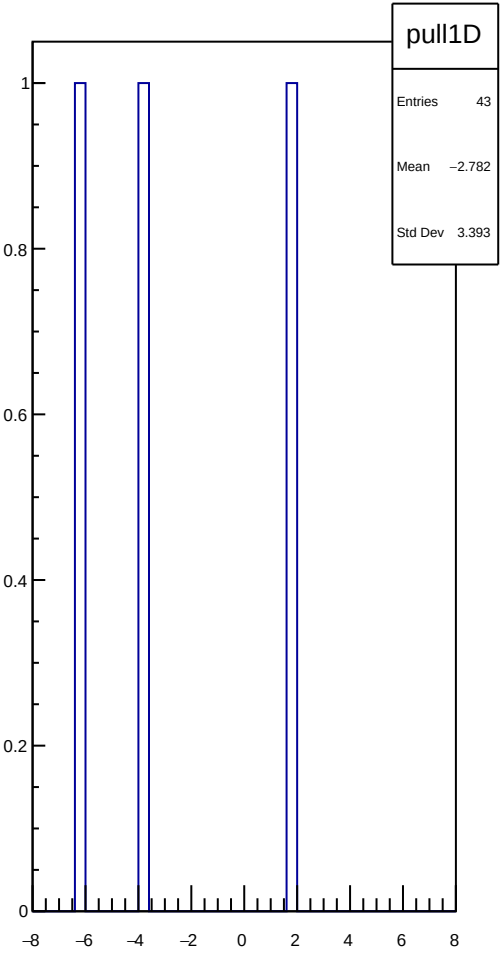

diff_bpmtargetdiffY_rms vs run
χ² / ndf 7060 / 42
p0 862.8 ± 0.9524
1050
1000
950
900
850
800
750
700
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

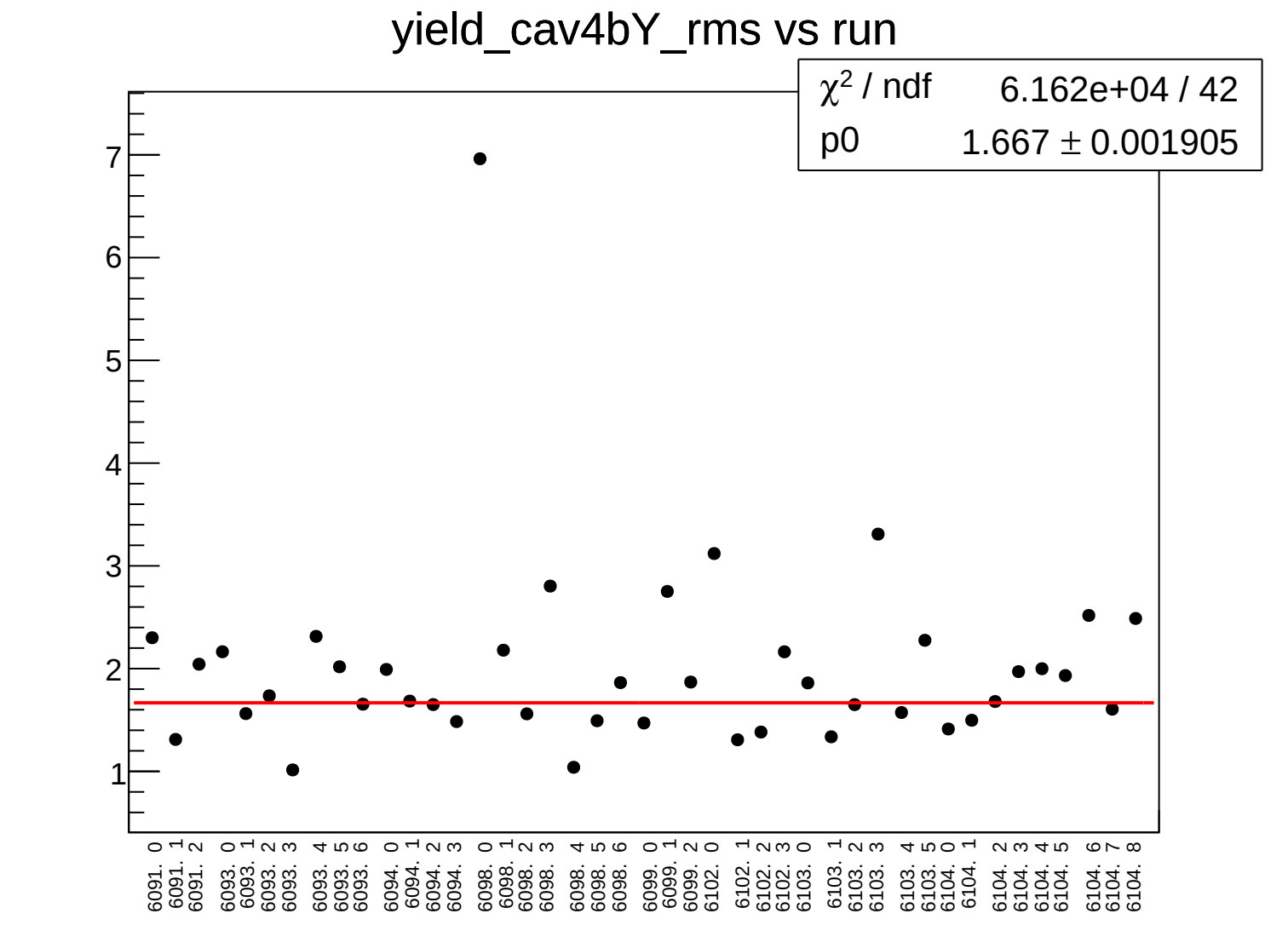

yield_cav4bX_mean vs run
χ² / ndf 1.087e+05 / 42
p0 −25.05 ± 0.003685
pull
Entries 43
Mean 38.27
Std Dev 9.694

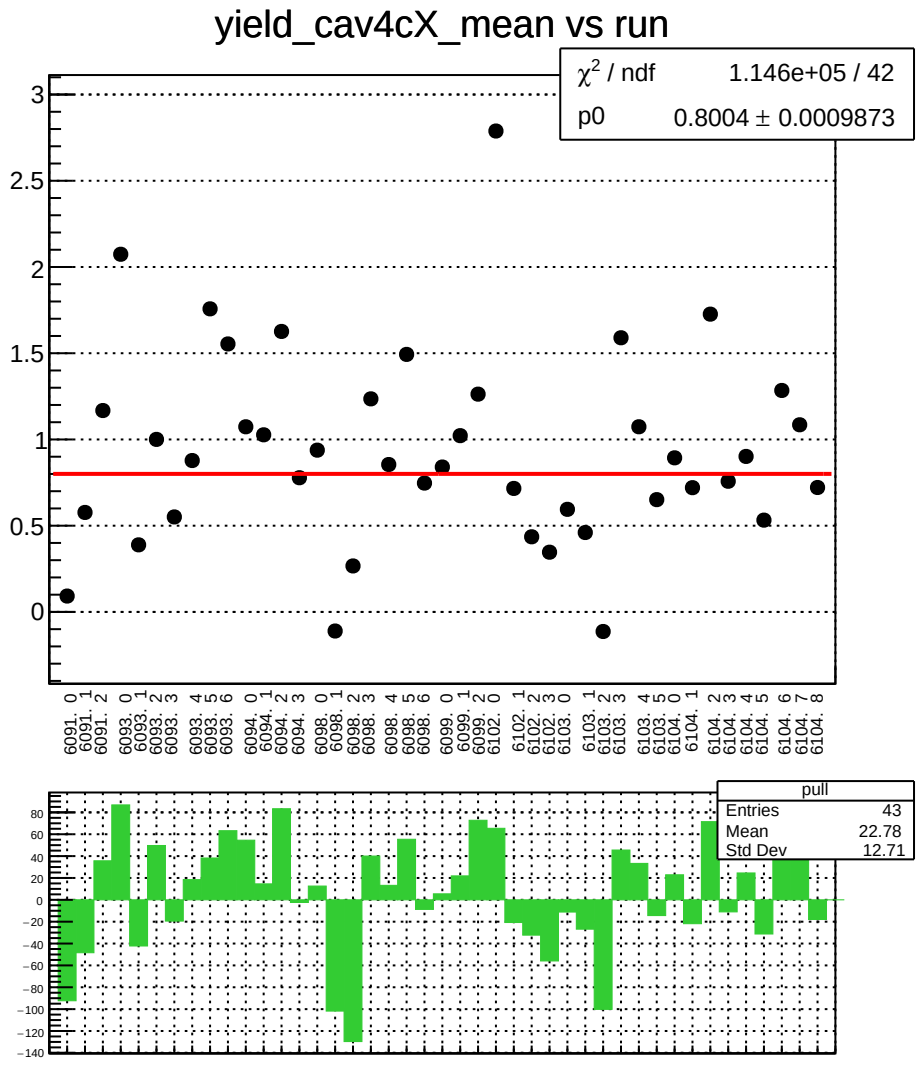

pull1D
Entries 43
Mean −2.108
Std Dev 4.828

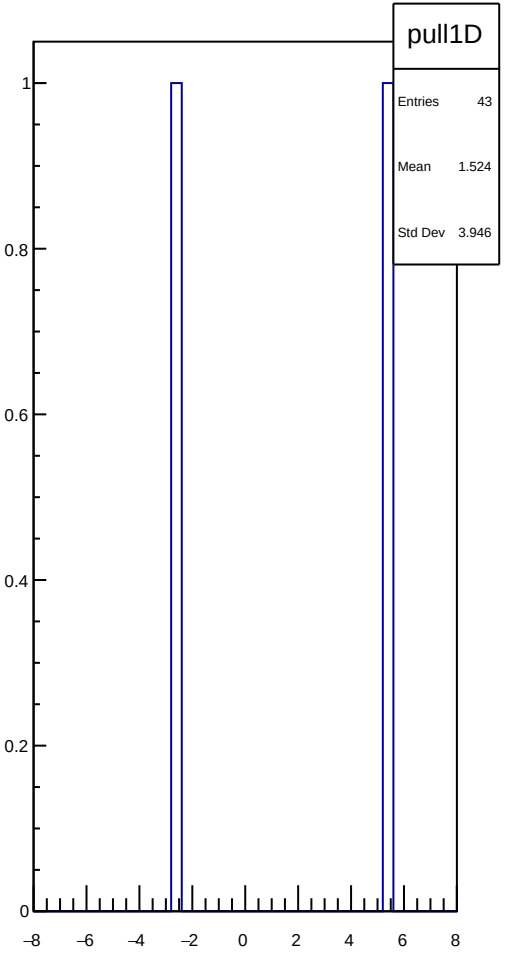

yield_cav4bX_rms vs run
χ² / ndf 1.129e+05 / 42
p0 2.203 ± 0.002605
6
5
4
3
2
1
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

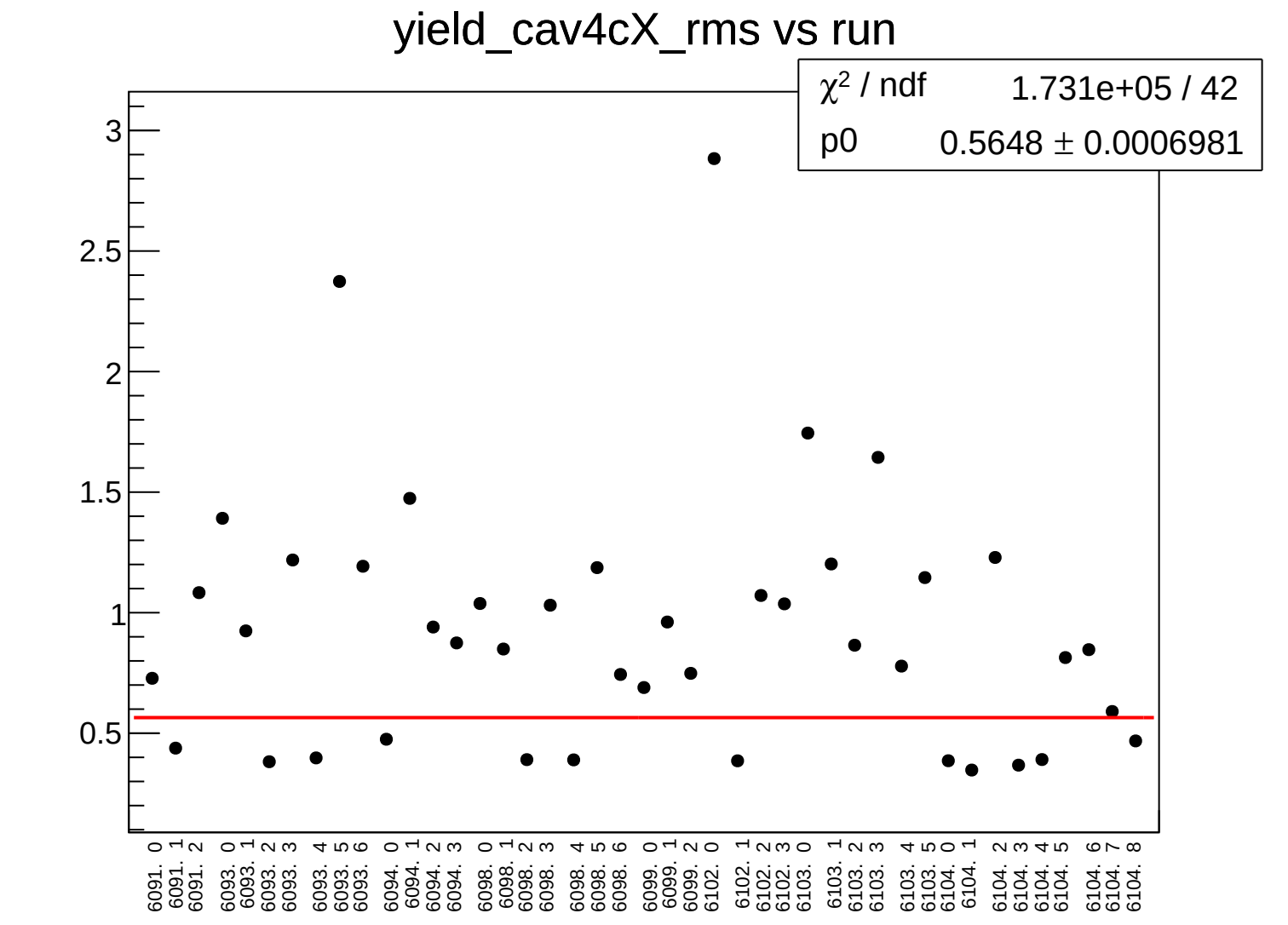

yield_cav4bY_mean vs run
χ² / ndf 1.414e+05 / 42
p0 −59.66 ± 0.002694
−57
−58
−59
−60
−61
−62
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
150
100
50
0
−50
−100
pull
Entries 43
Mean 127.6
Std Dev 0

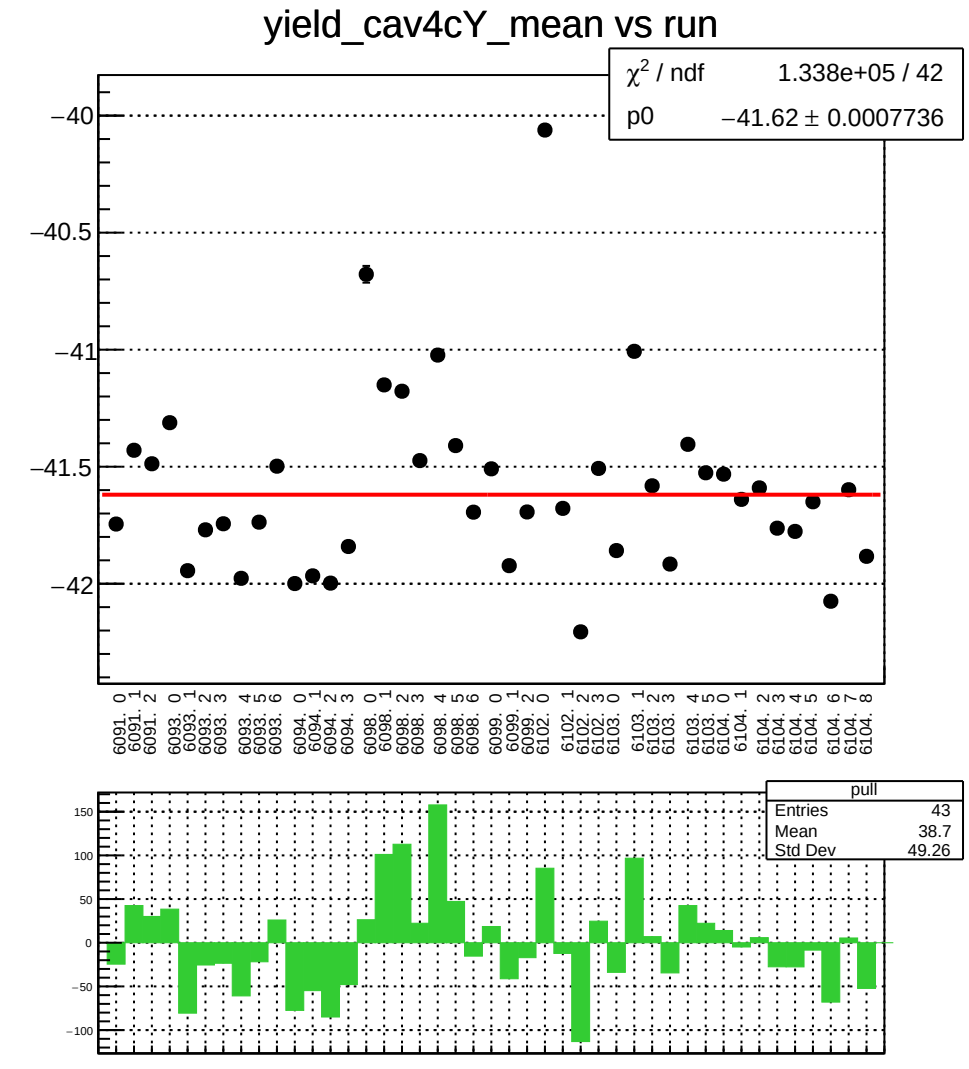

pull1D
Entries 43
Mean −2.782
Std Dev 3.393
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

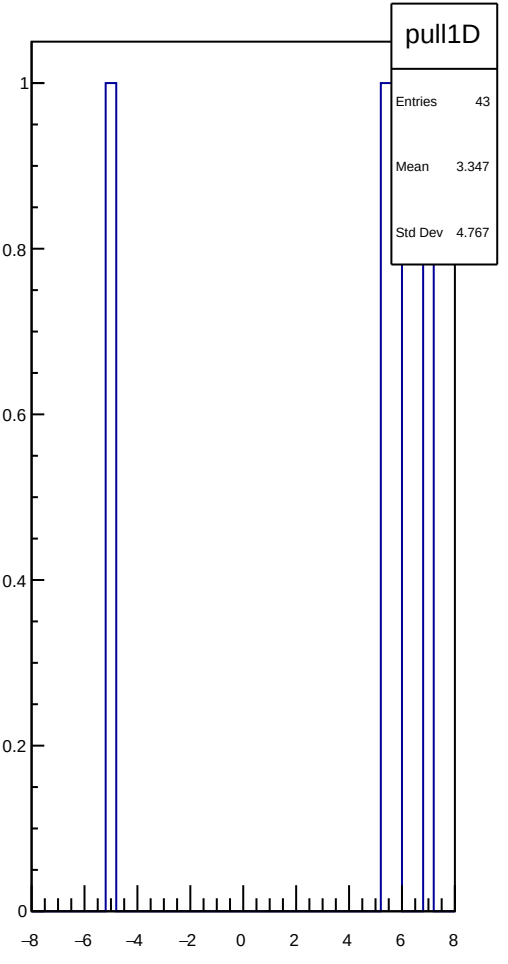

yield_cav4bY_rms vs run
χ^2 / ndf 6.162e+04 / 42
p0 1.667 ± 0.001905
7
6
5
4
3
2
1
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

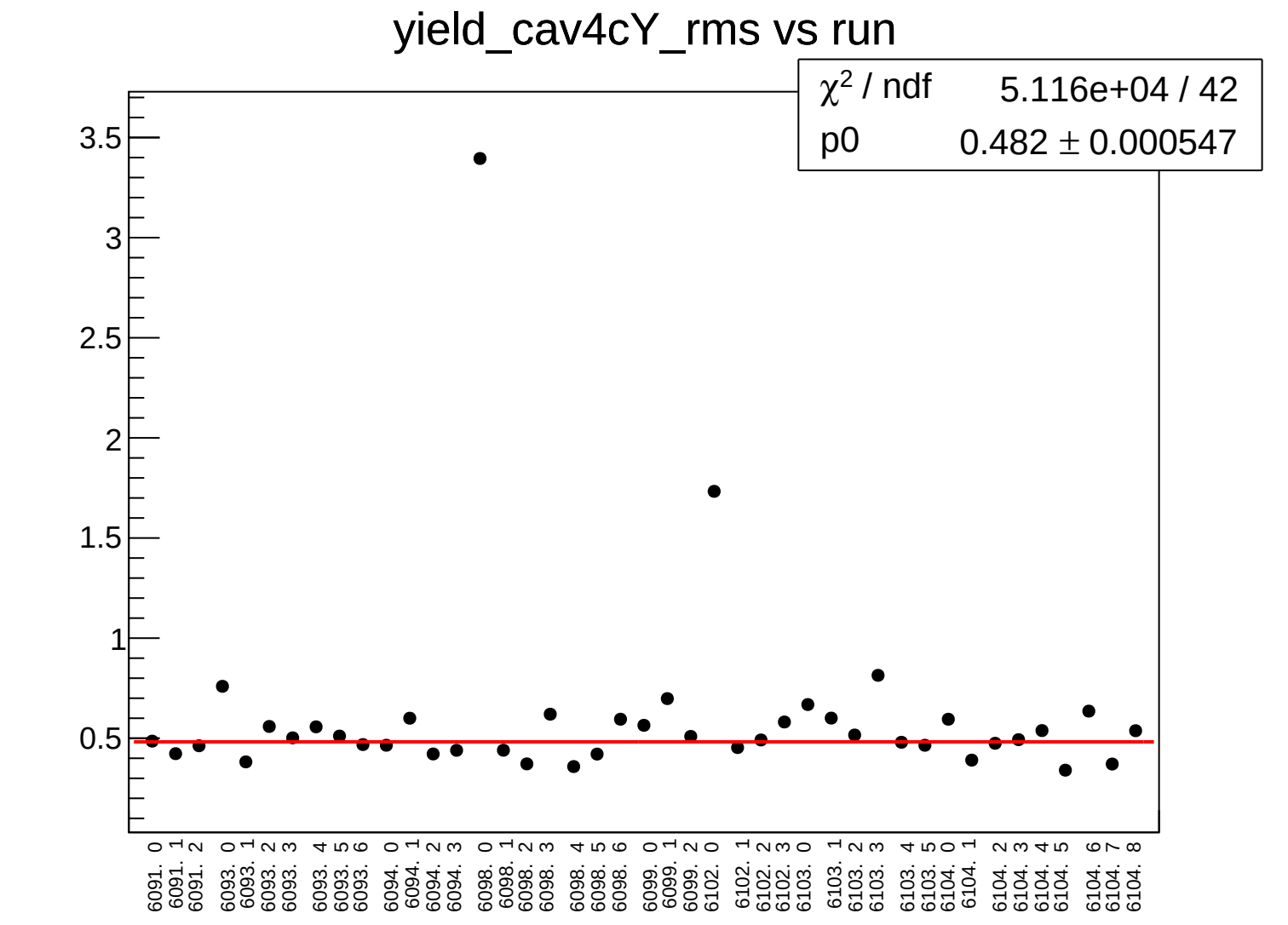

yield_cav4cX_mean vs run
χ² / ndf 1.146e+05 / 42
p0 0.8004 ± 0.0009873
pull
Entries 43
Mean 22.78
Std Dev 12.71

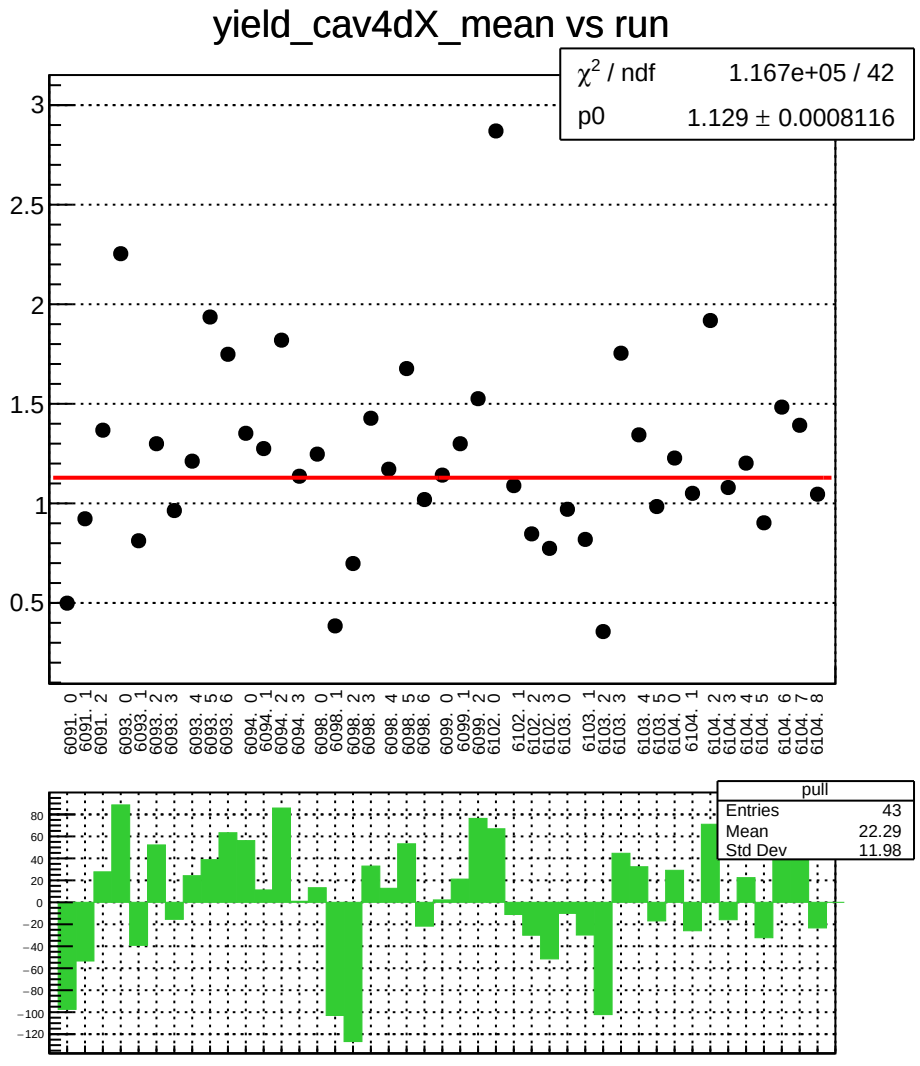

pull1D
Entries 43
Mean 1.524
Std Dev 3.946

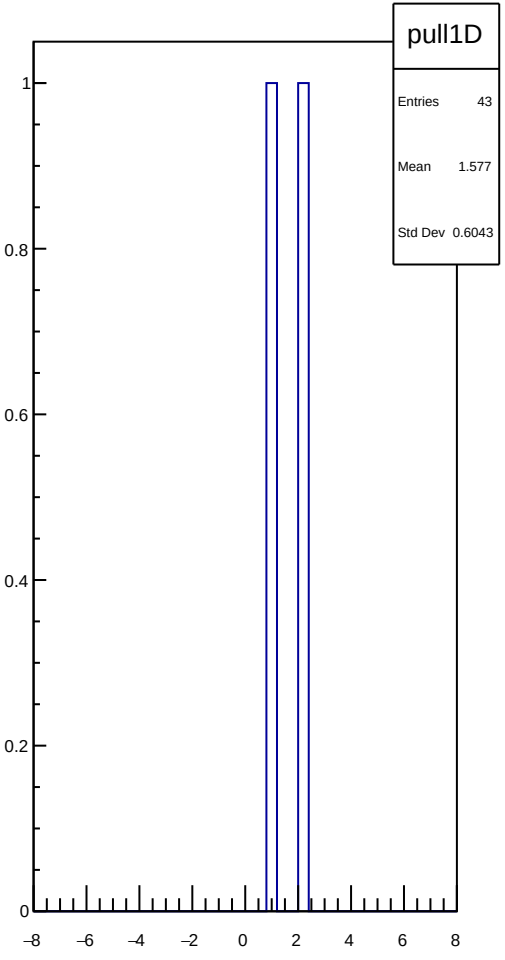

yield_cav4cX_rms vs run
χ² / ndf 1.731e+05 / 42
p0 0.5648 ± 0.0006981
3
2.5
2
1.5
1
0.5
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

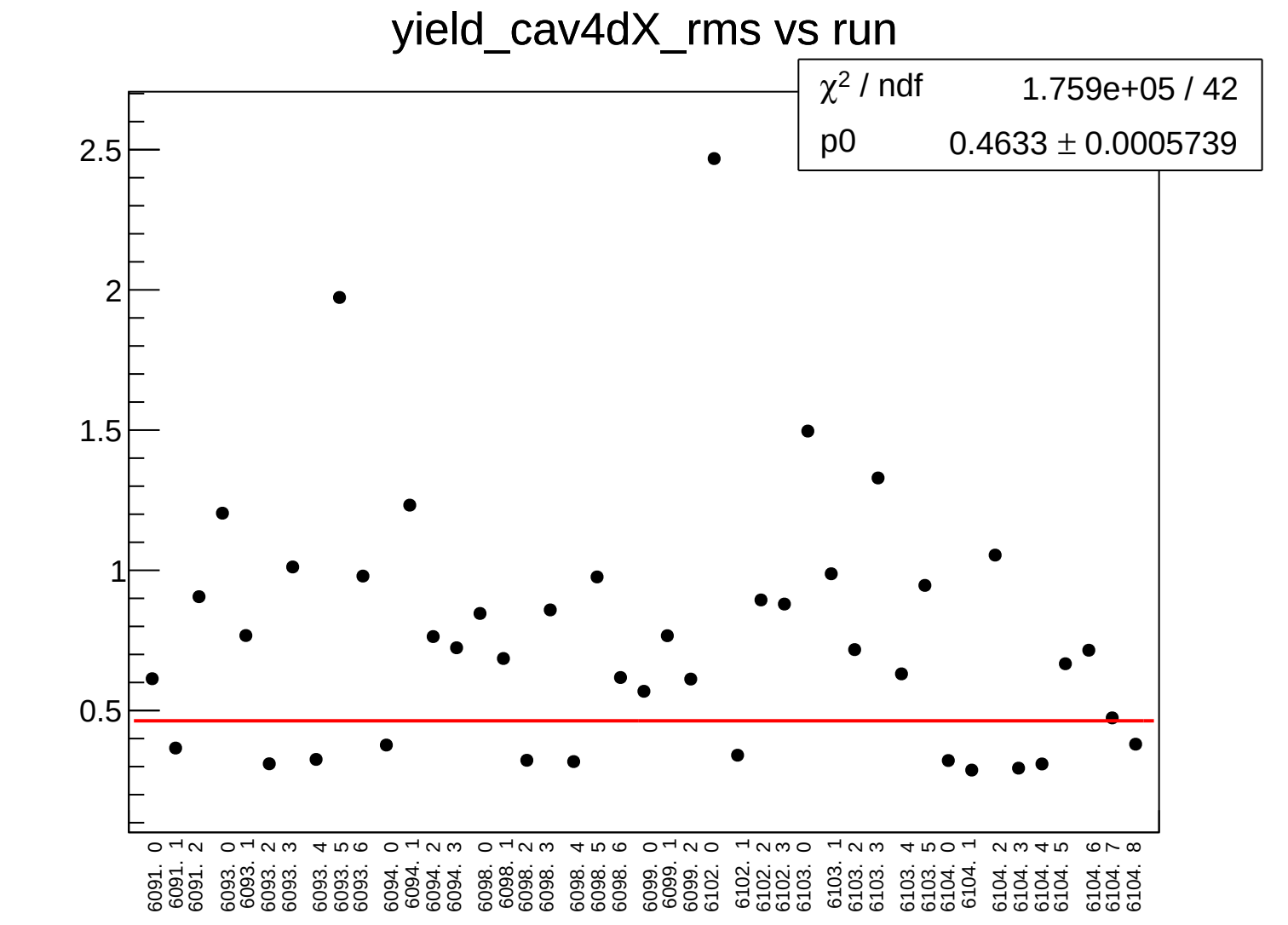

yield_cav4cY_mean vs run
χ² / ndf 1.338e+05 / 42
p0 −41.62 ± 0.0007736
−40
−40.5
−41
−41.5
−42
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 38.7
Std Dev 49.26
150
100
50
0
−50
−100

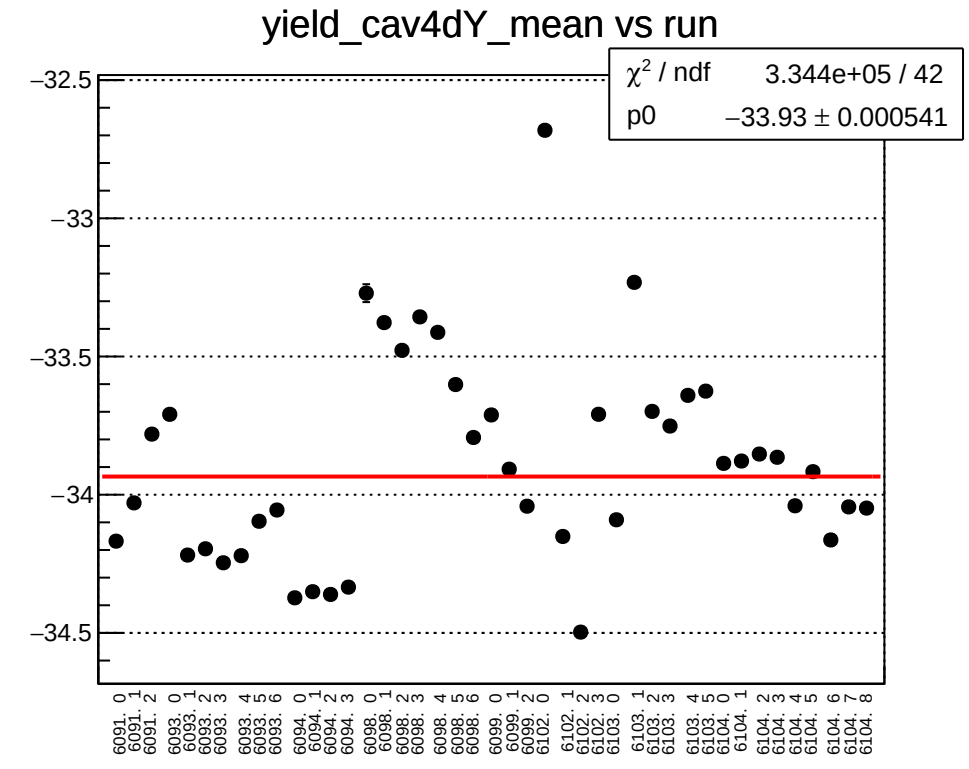

pull1D
Entries 43
Mean 3.347
Std Dev 4.767
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

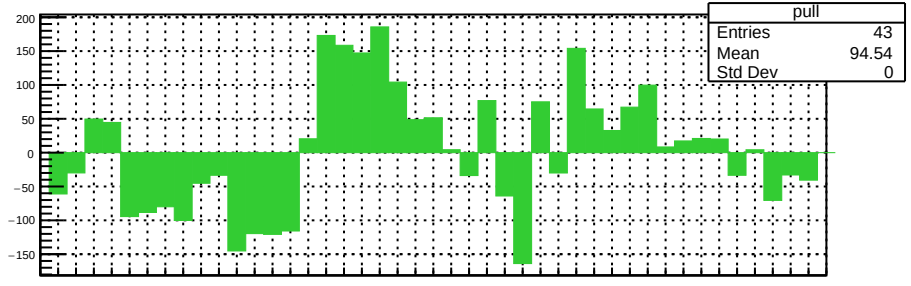

yield_cav4cY_rms vs run
χ^2 / ndf 5.116e+04 / 42
p0 0.482 ± 0.000547
3.5
3
2.5
2
1.5
1
0.5
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

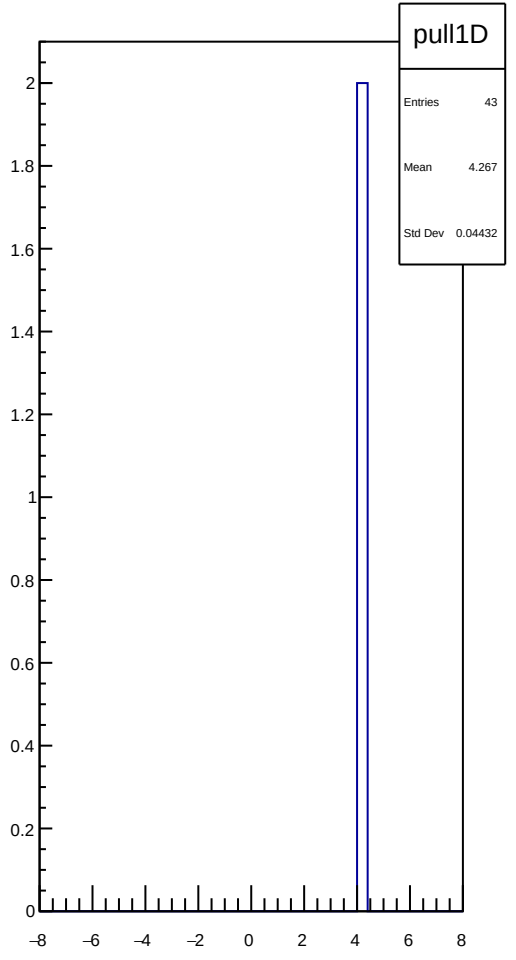

yield_cav4dX_mean vs run
χ² / ndf 1.167e+05 / 42
p0 1.129 ± 0.0008116
3
2.5
2
1.5
1
0.5
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 22.29
Std Dev 11.98
80
60
40
20
0
−20
−40
−60
−80
−100
−120

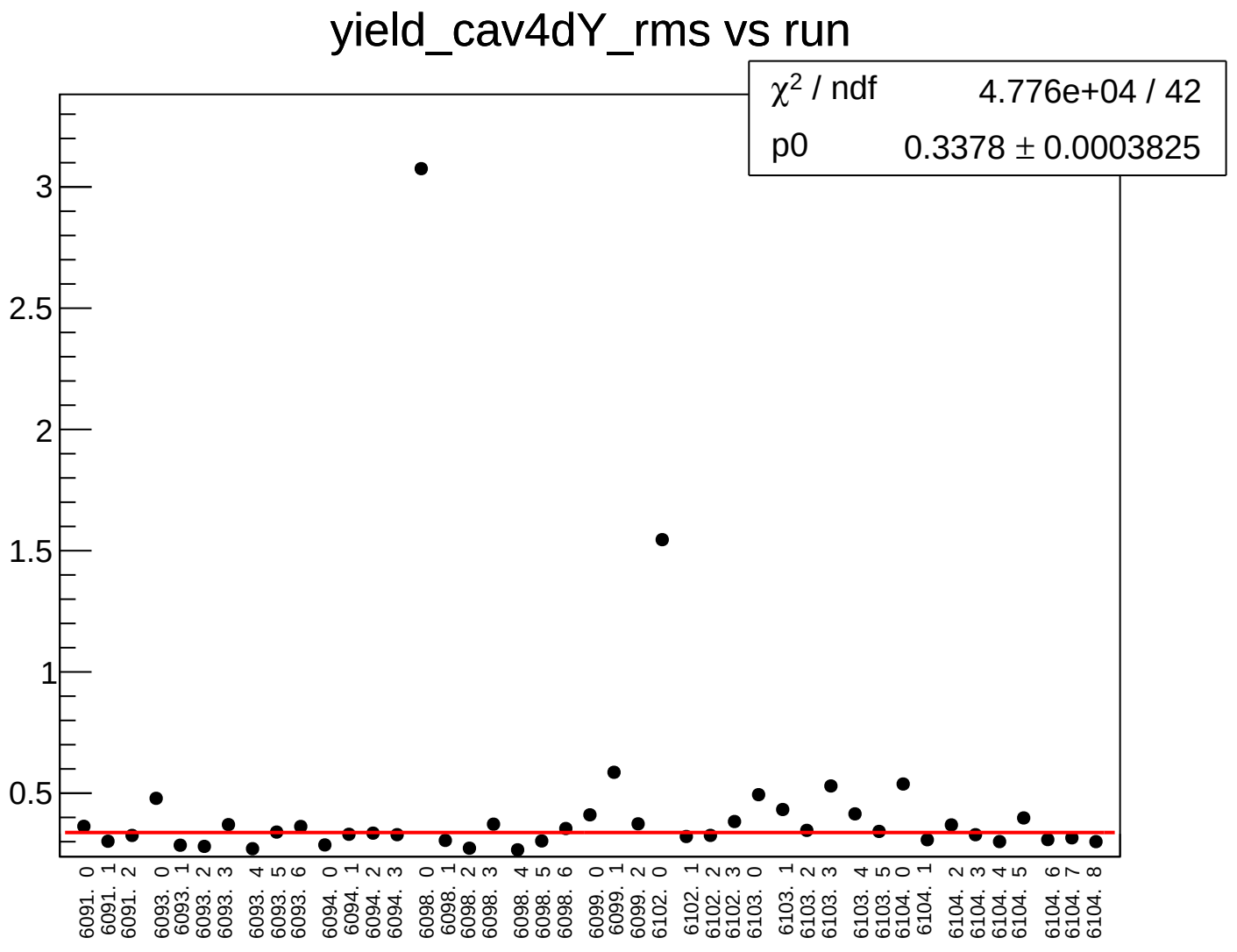

pull1D
Entries 43
Mean 1.577
Std Dev 0.6043
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

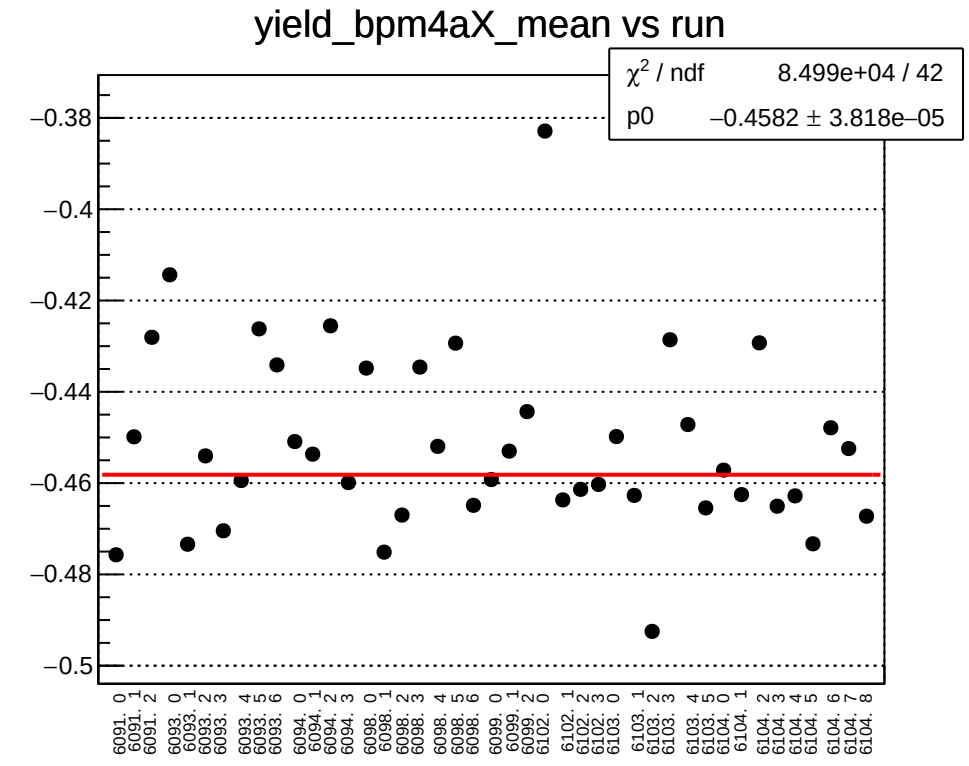

yield_cav4dX_rms vs run
χ² / ndf 1.759e+05 / 42
p0 0.4633 ± 0.0005739
2.5
2
1.5
1
0.5
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

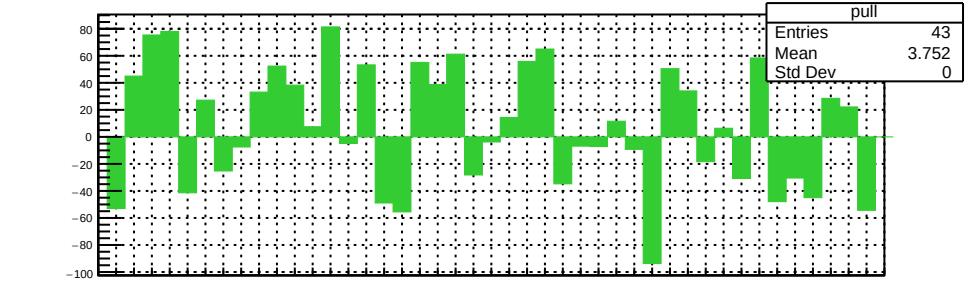

yield_cav4dY_mean vs run
χ² / ndf 3.344e+05 / 42
p0 −33.93 ± 0.000541
−32.5
−33
−33.5
−34
−34.5
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

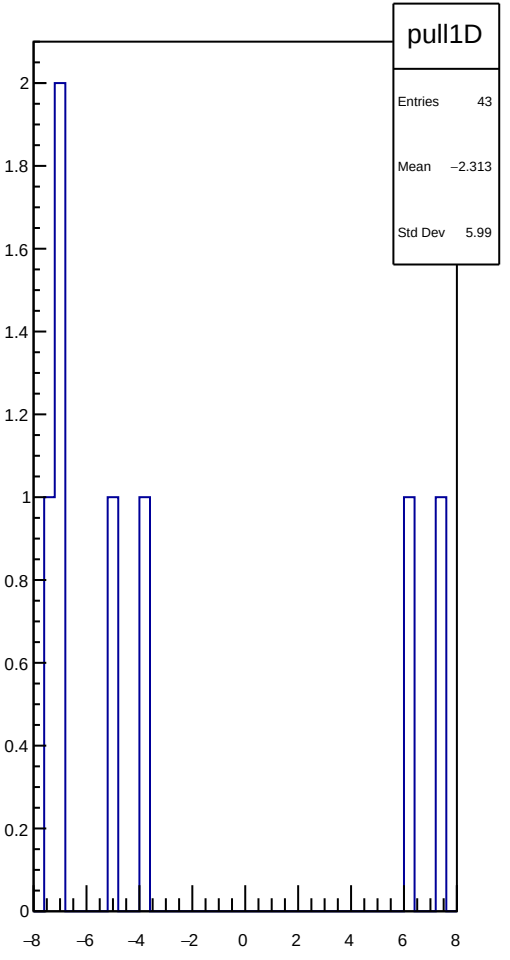

pull
Entries 43
Mean 94.54
Std Dev 0
200
150
100
50
0
−50
−100
−150

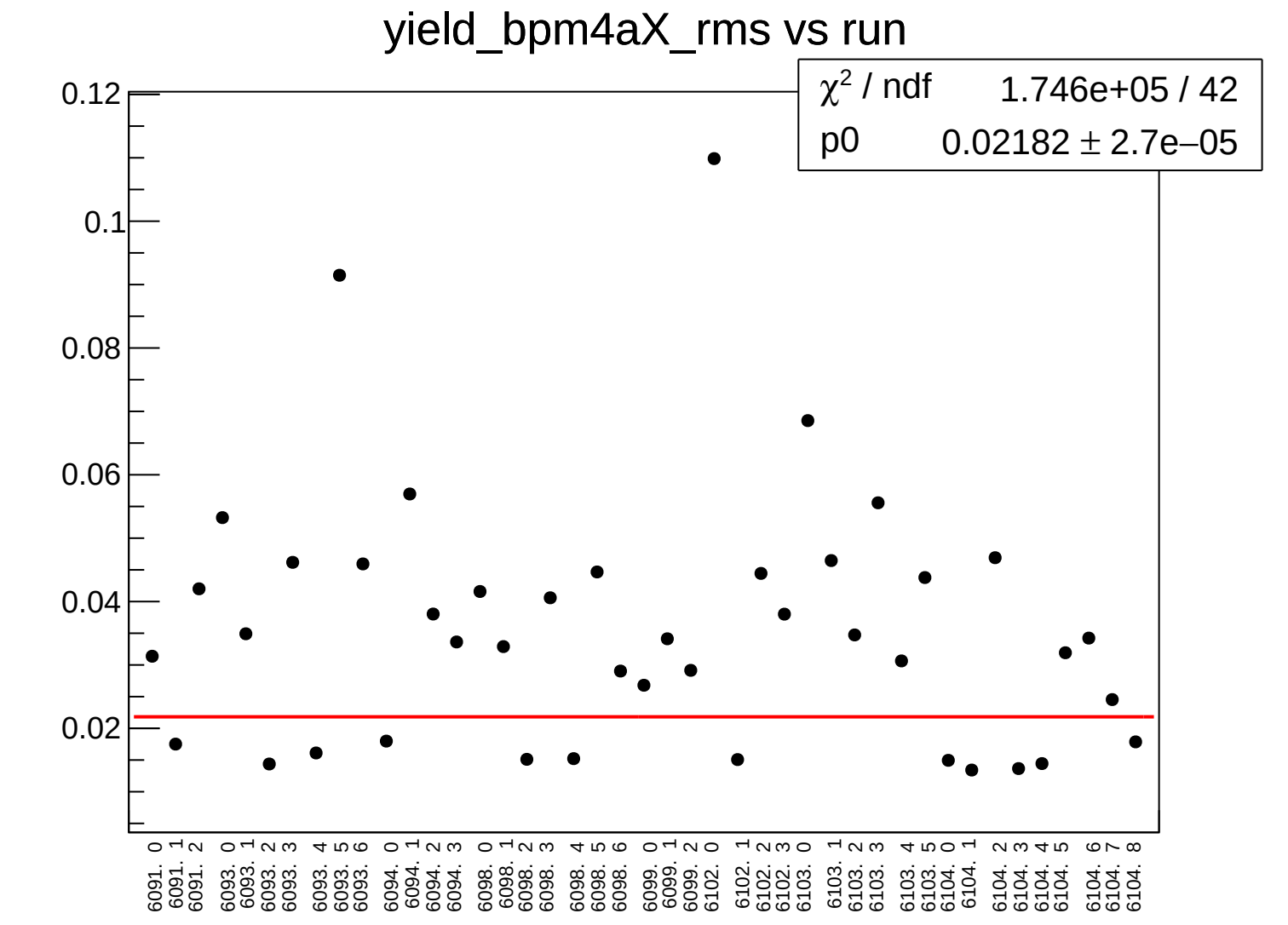

pull1D
Entries 43
Mean 4.267
Std Dev 0.04432
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

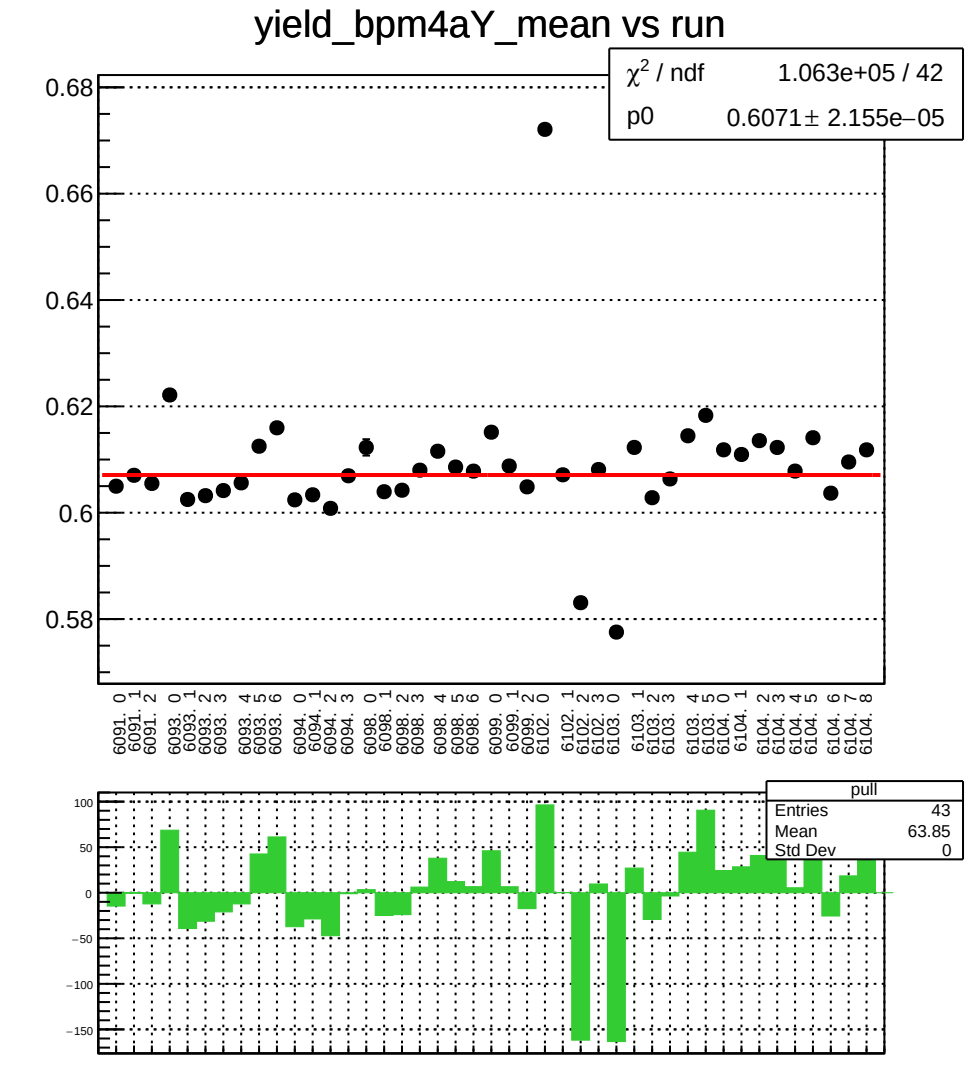

yield_cav4dY_rms vs run
χ² / ndf 4.776e+04 / 42
p0 0.3378 ± 0.0003825
3
2.5
2
1.5
1
0.5
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

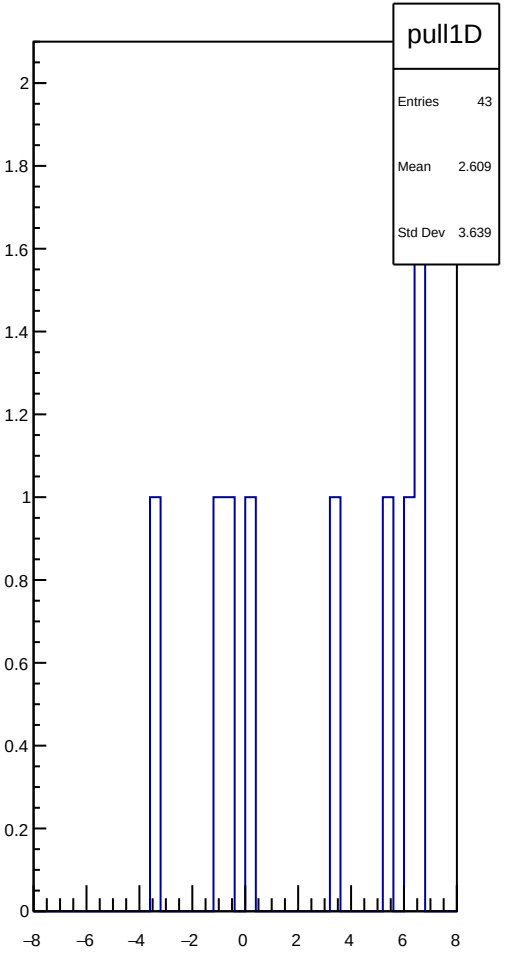

yield_bpm4aX_mean vs run
χ² / ndf 8.499e+04 / 42
p0 −0.4582 ± 3.818e−05
−0.38
−0.4
−0.42
−0.44
−0.46
−0.48
−0.5
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

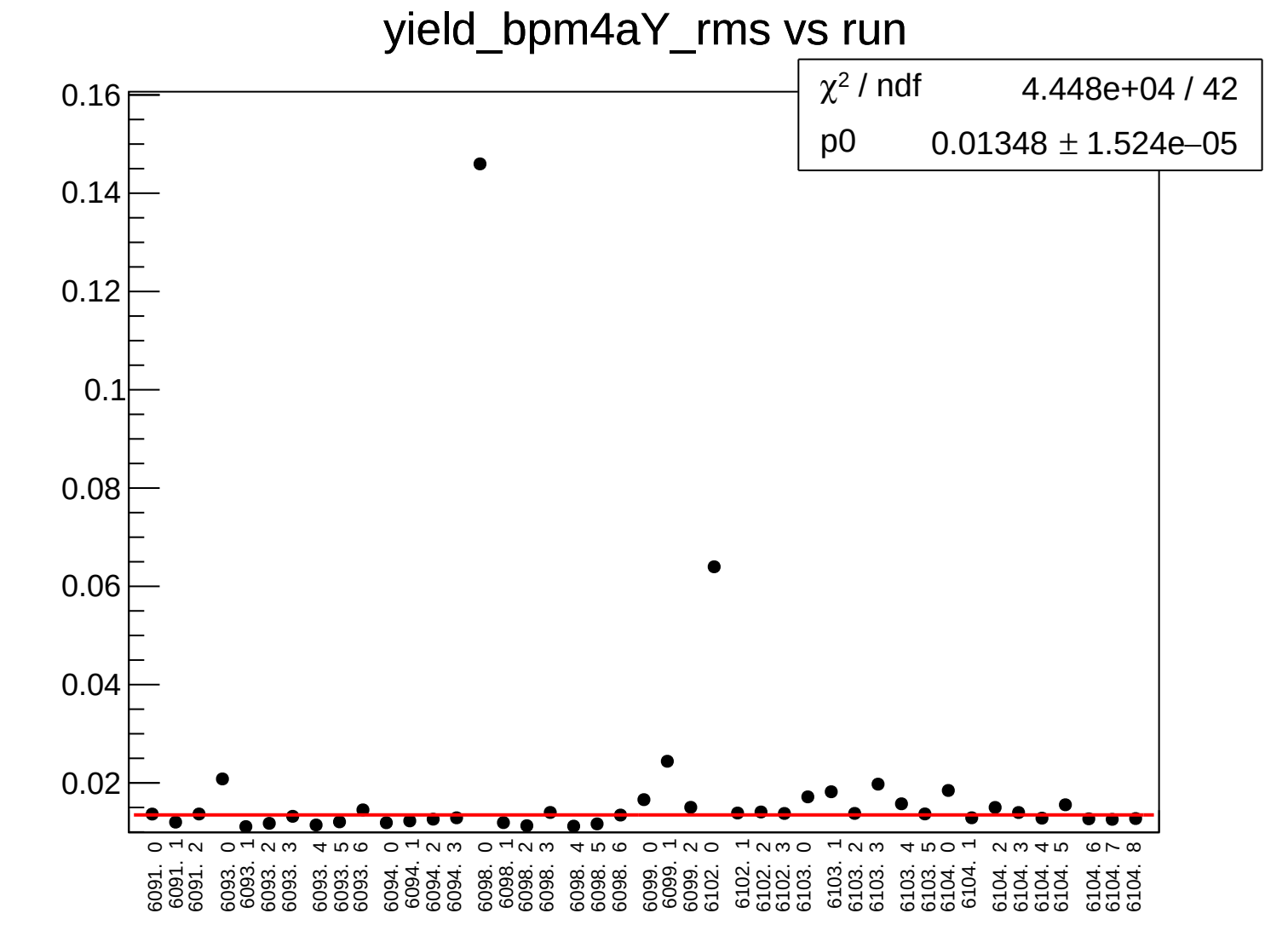

pull
Entries 43
Mean 3.752
Std Dev 0
80
60
40
20
0
−20
−40
−60
−80
−100

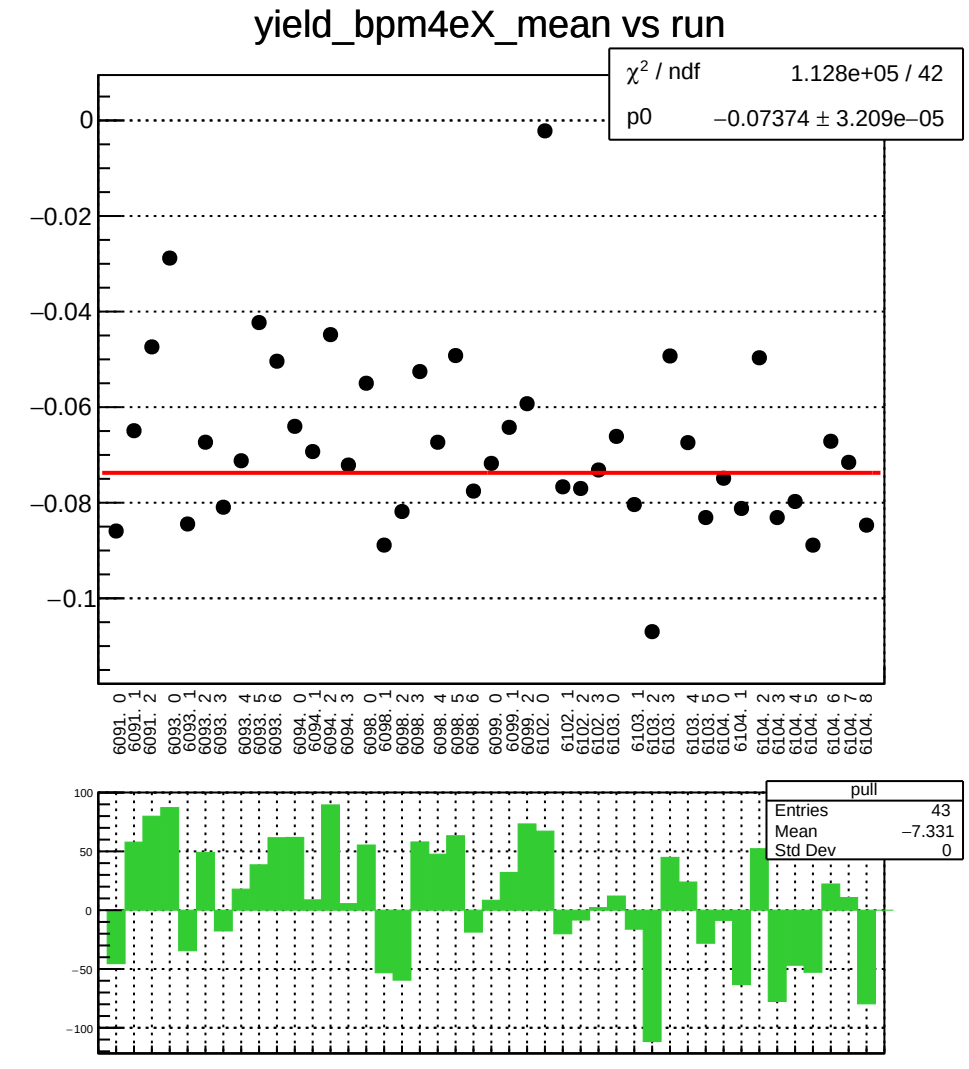

pull1D
Entries 43
Mean −2.313
Std Dev 5.99
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

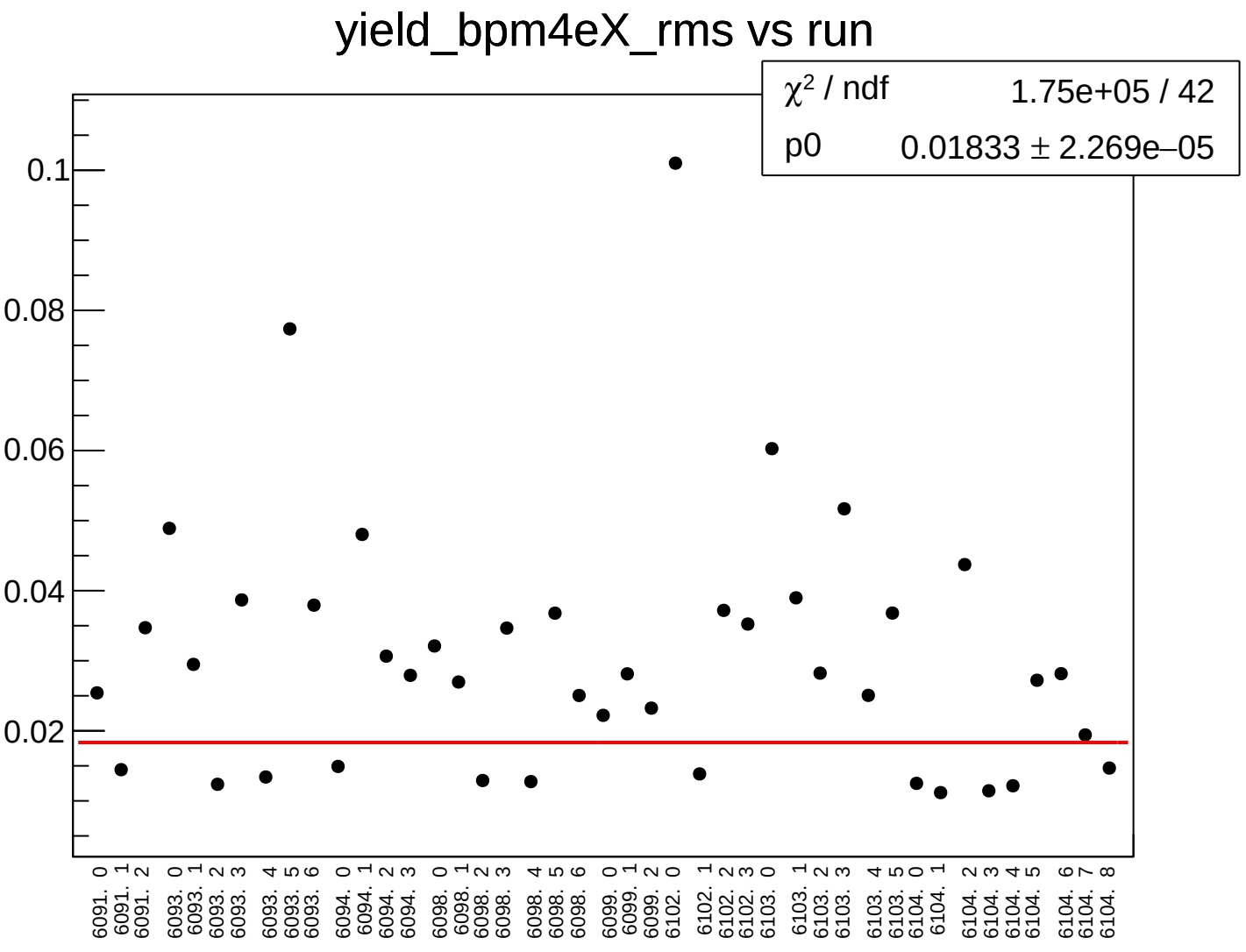

yield_bpm4aX_rms vs run
χ² / ndf 1.746e+05 / 42
p0 0.02182 ± 2.7e−05
0.12
0.1
0.08
0.06
0.04
0.02
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

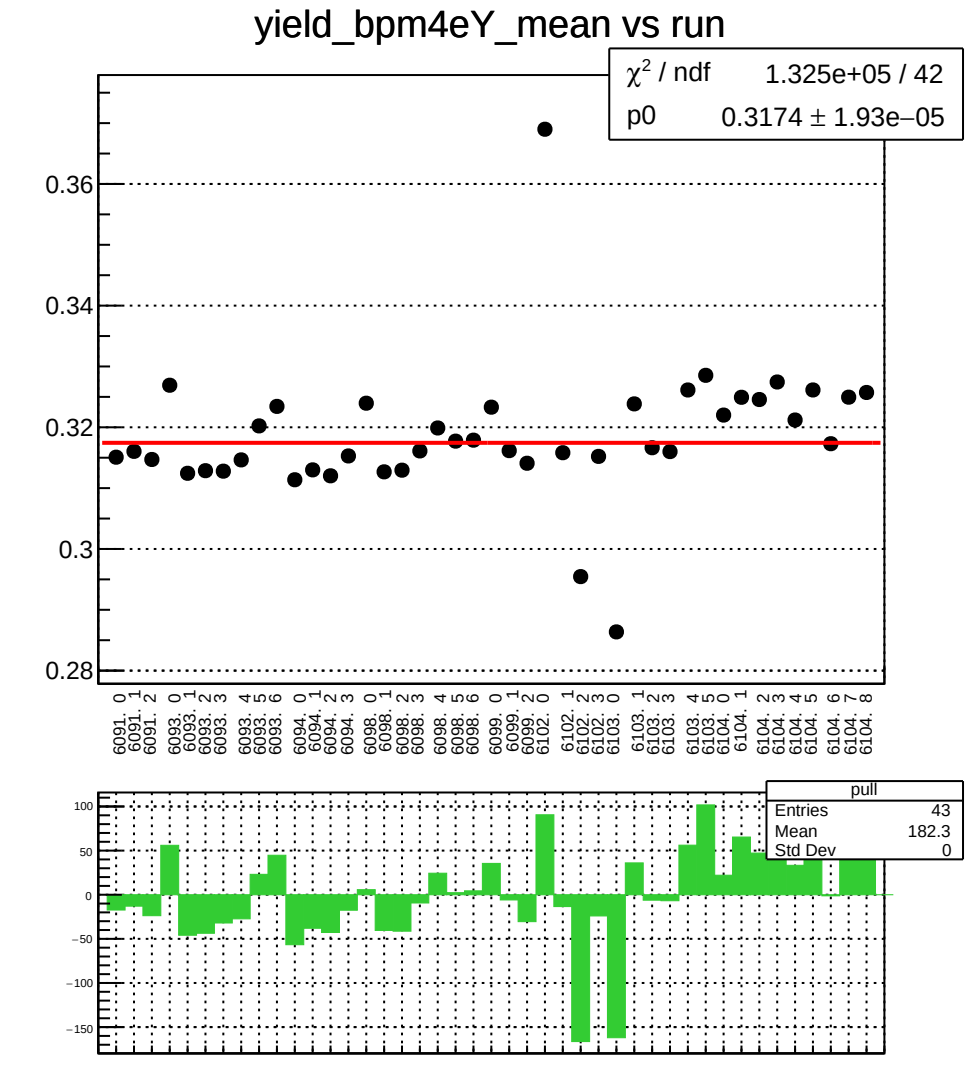

yield_bpm4aY_mean vs run
χ² / ndf 1.063e+05 / 42
p0 0.6071± 2.155e−05
0.68
0.66
0.64
0.62
0.6
0.58
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 63.85
Std Dev 0
100
50
0
−50
−100
−150

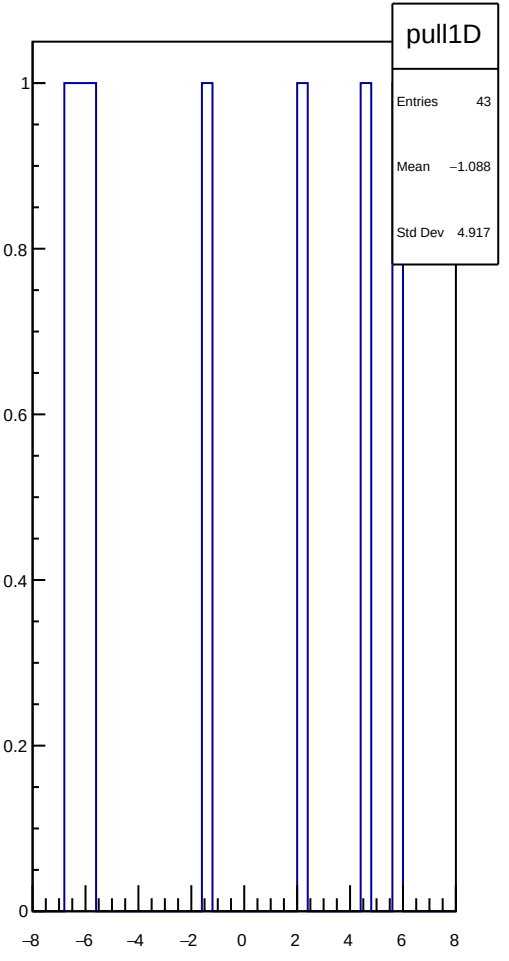

pull1D
Entries 43
Mean 2.609
Std Dev 3.639
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

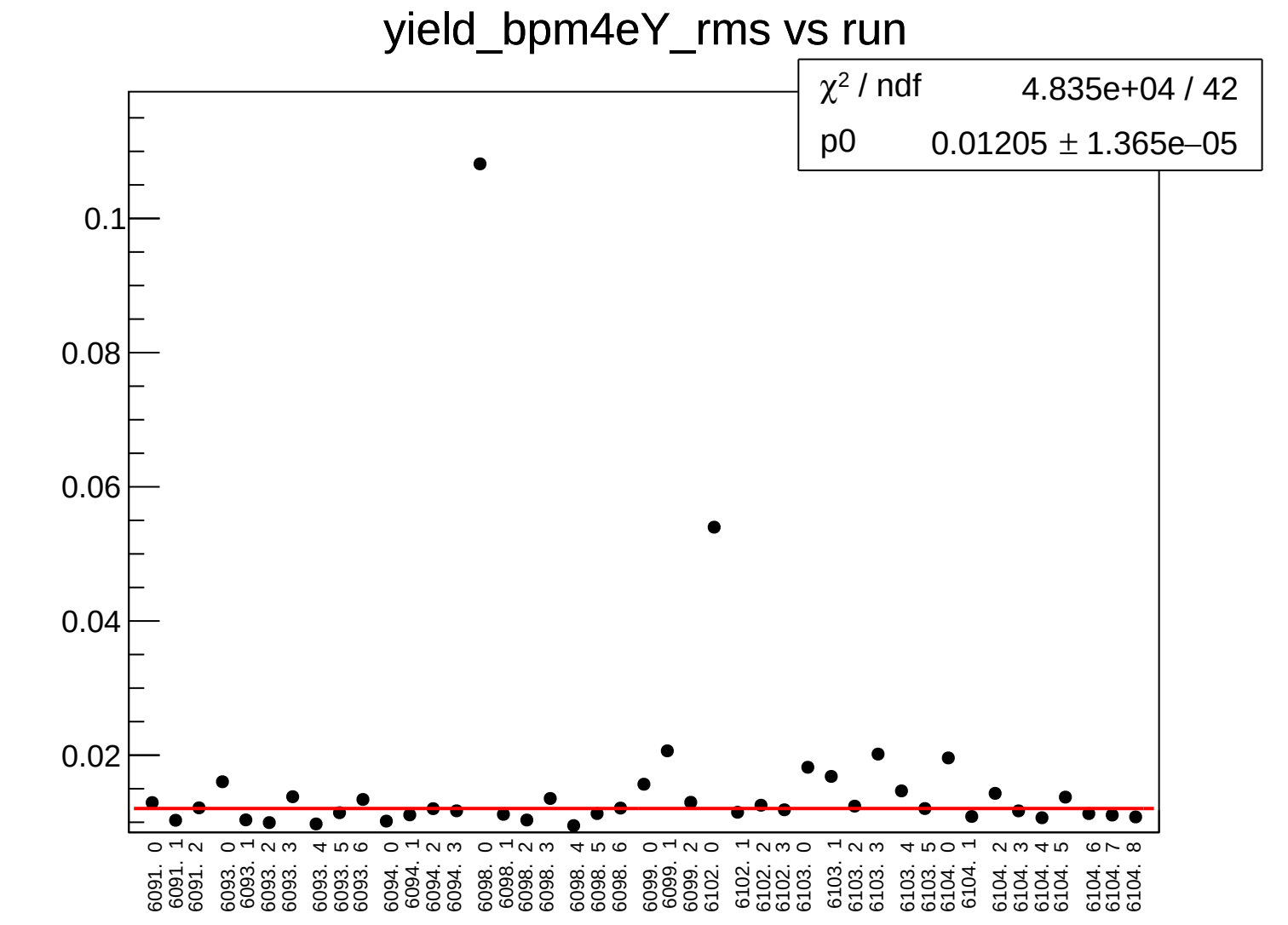

yield_bpm4aY_rms vs run
χ² / ndf 4.448e+04 / 42
p0 0.01348 ± 1.524e−05
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

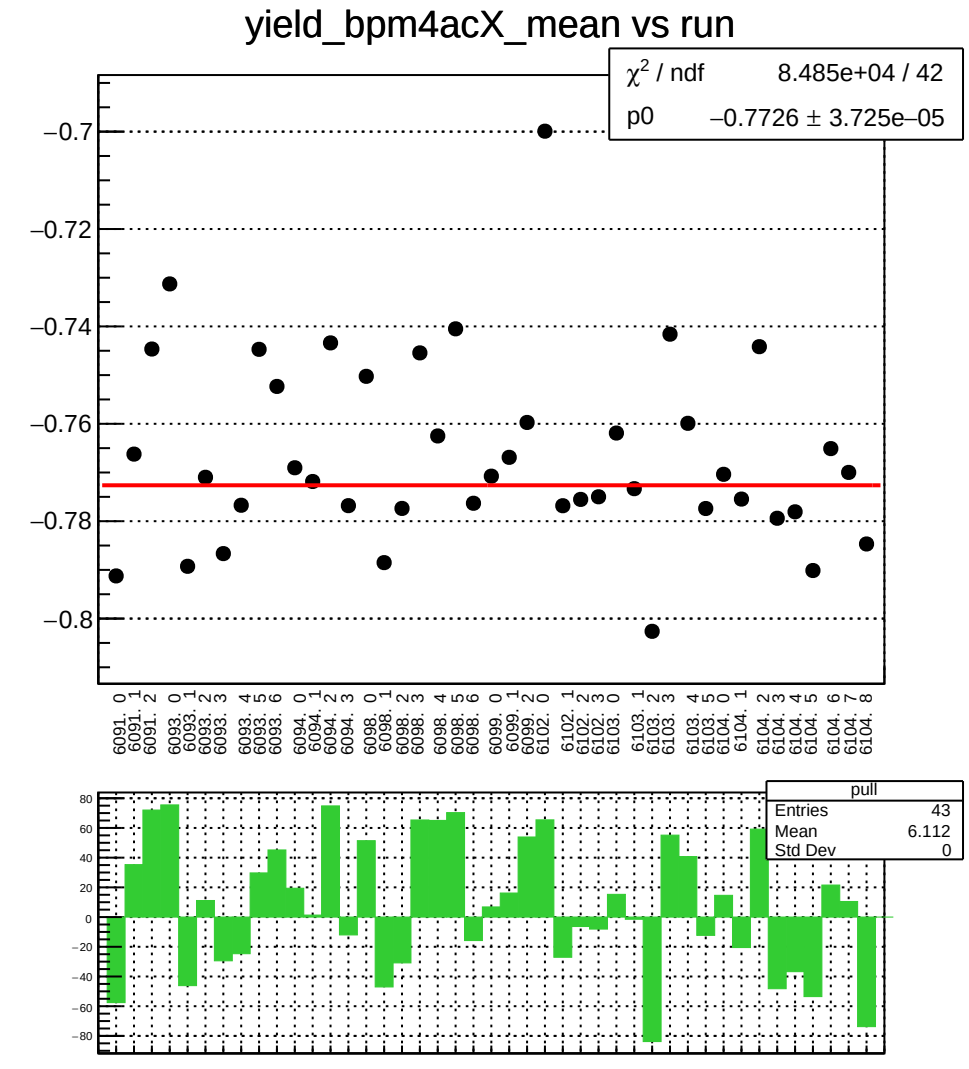

yield_bpm4eX_mean vs run
χ² / ndf 1.128e+05 / 42
p0 −0.07374 ± 3.209e−05
0
−0.02
−0.04
−0.06
−0.08
−0.1
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean −7.331
Std Dev 0
100
50
0
−50
−100
pull1D
Entries 43
Mean 3.851
Std Dev 1.698
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

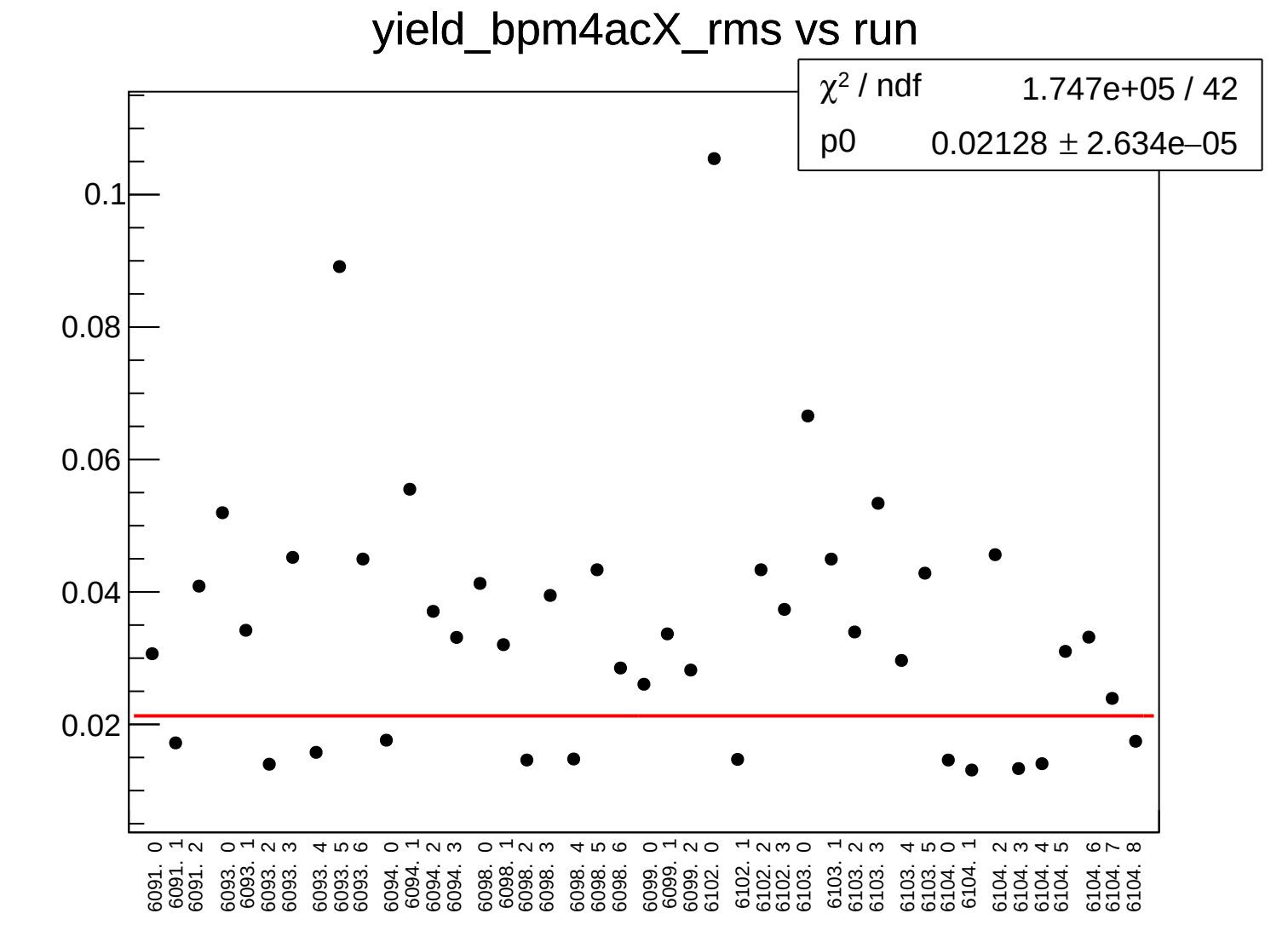

yield_bpm4eX_rms vs run
χ² / ndf 1.75e+05 / 42
p0 0.01833 ± 2.269e–05
0.1
0.08
0.06
0.04
0.02
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

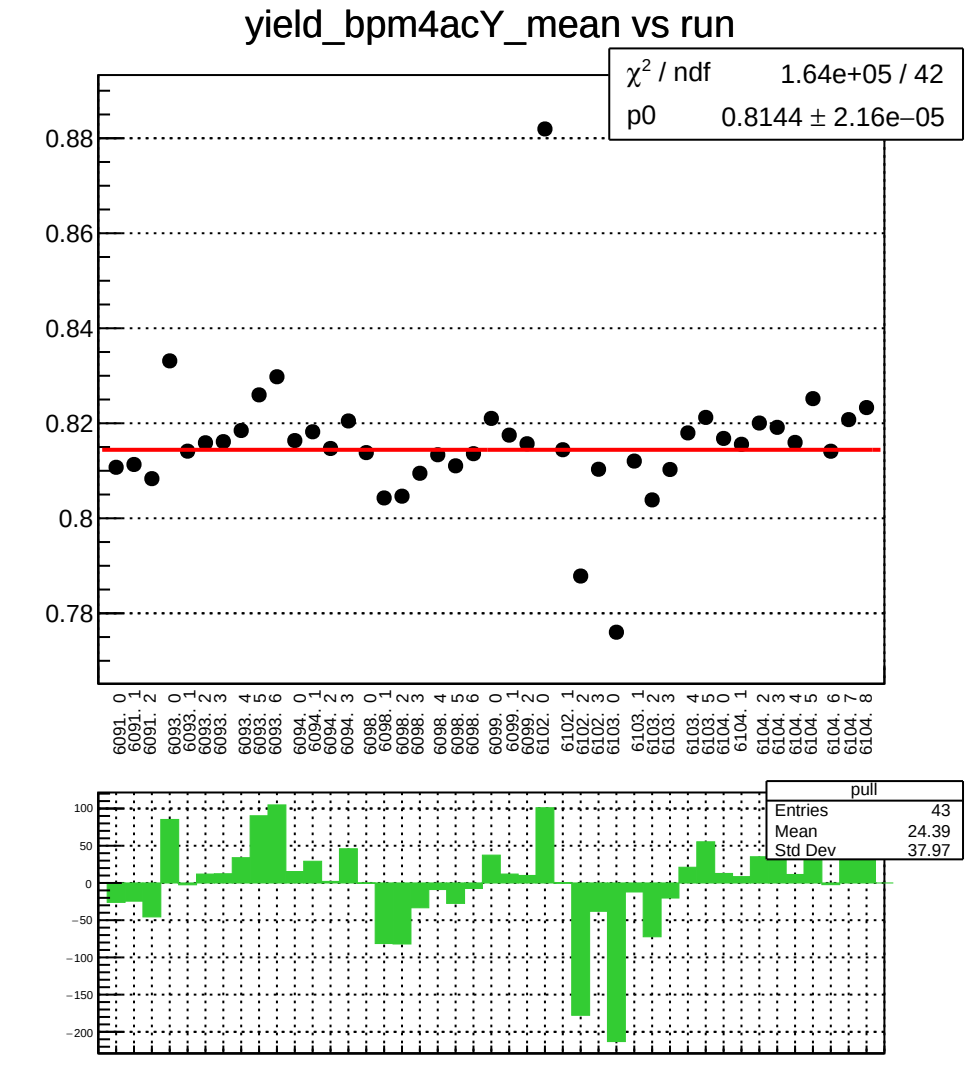

yield_bpm4eY_mean vs run
χ² / ndf 1.325e+05 / 42
p0 0.3174 ± 1.93e−05
0.36
0.34
0.32
0.3
0.28
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 182.3
Std Dev 0
100
50
0
−50
−100
−150

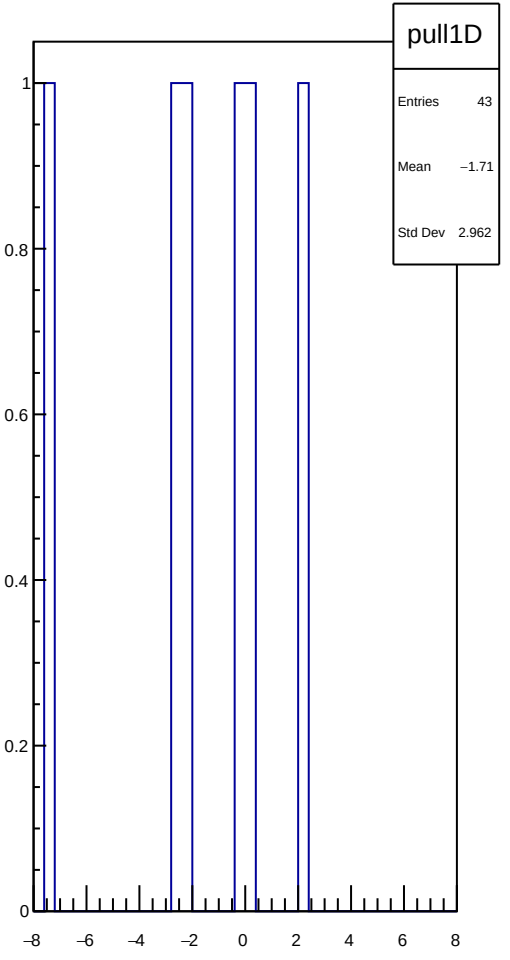

pull1D
Entries 43
Mean −1.088
Std Dev 4.917
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

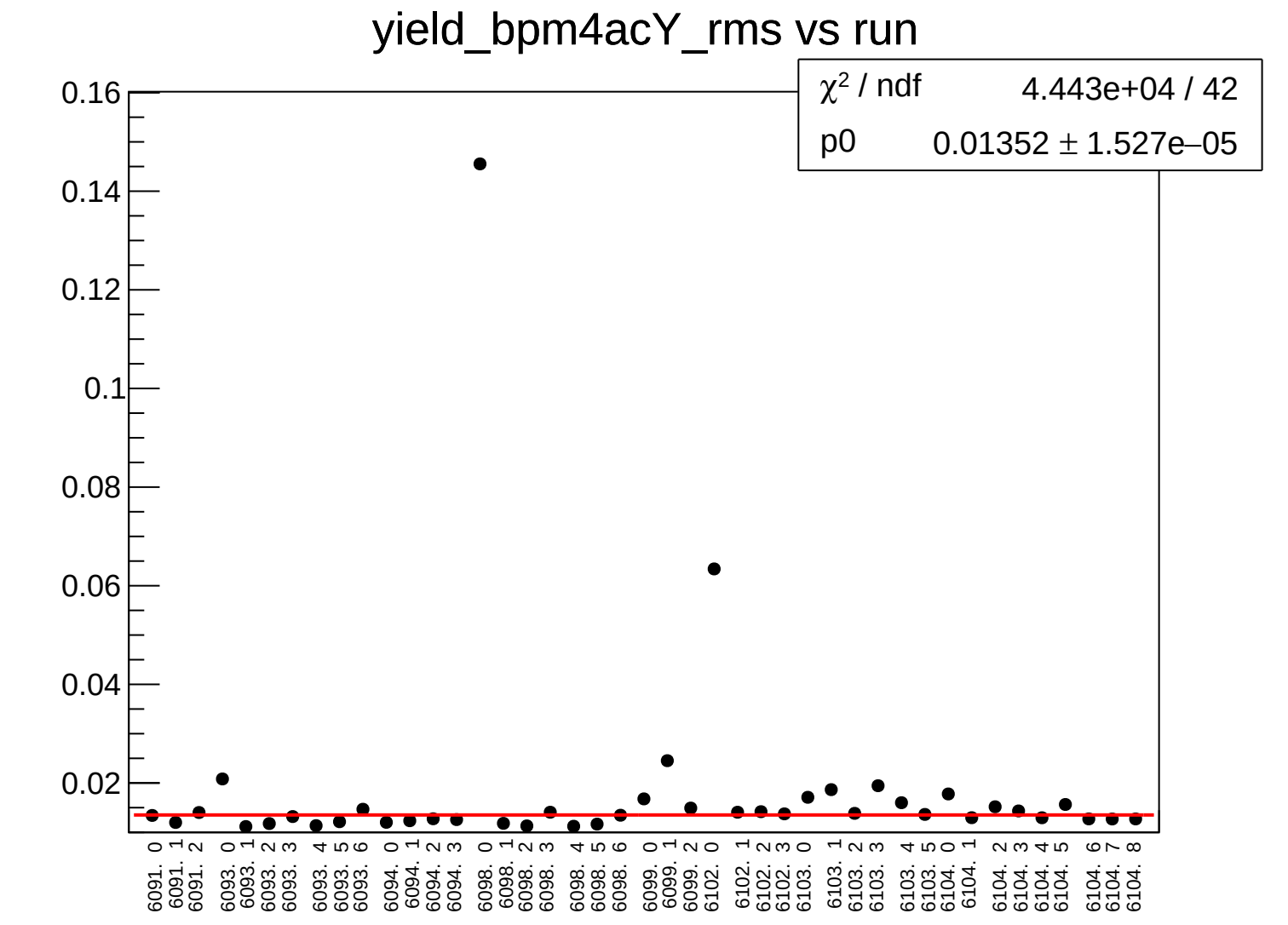

yield_bpm4eY_rms vs run
χ² / ndf 4.835e+04 / 42
p0 0.01205 ± 1.365e–05
0.1
0.08
0.06
0.04
0.02
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

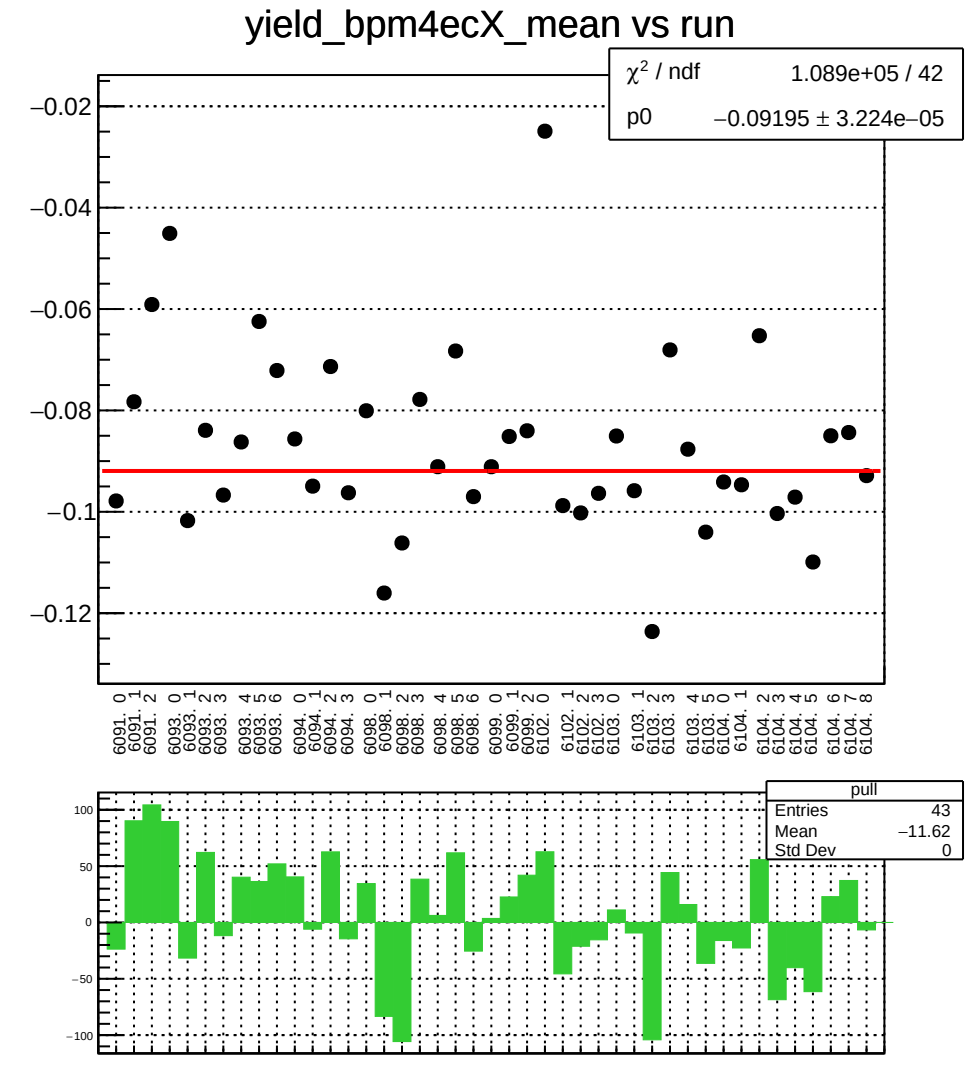

yield_bpm4acX_mean vs run
χ² / ndf 8.485e+04 / 42
p0 −0.7726 ± 3.725e−05
−0.7
−0.72
−0.74
−0.76
−0.78
−0.8
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 6.112
Std Dev 0
80
60
40
20
0
−20
−40
−60
−80
pull1D
Entries 43
Mean 0.08414
Std Dev 4.76
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

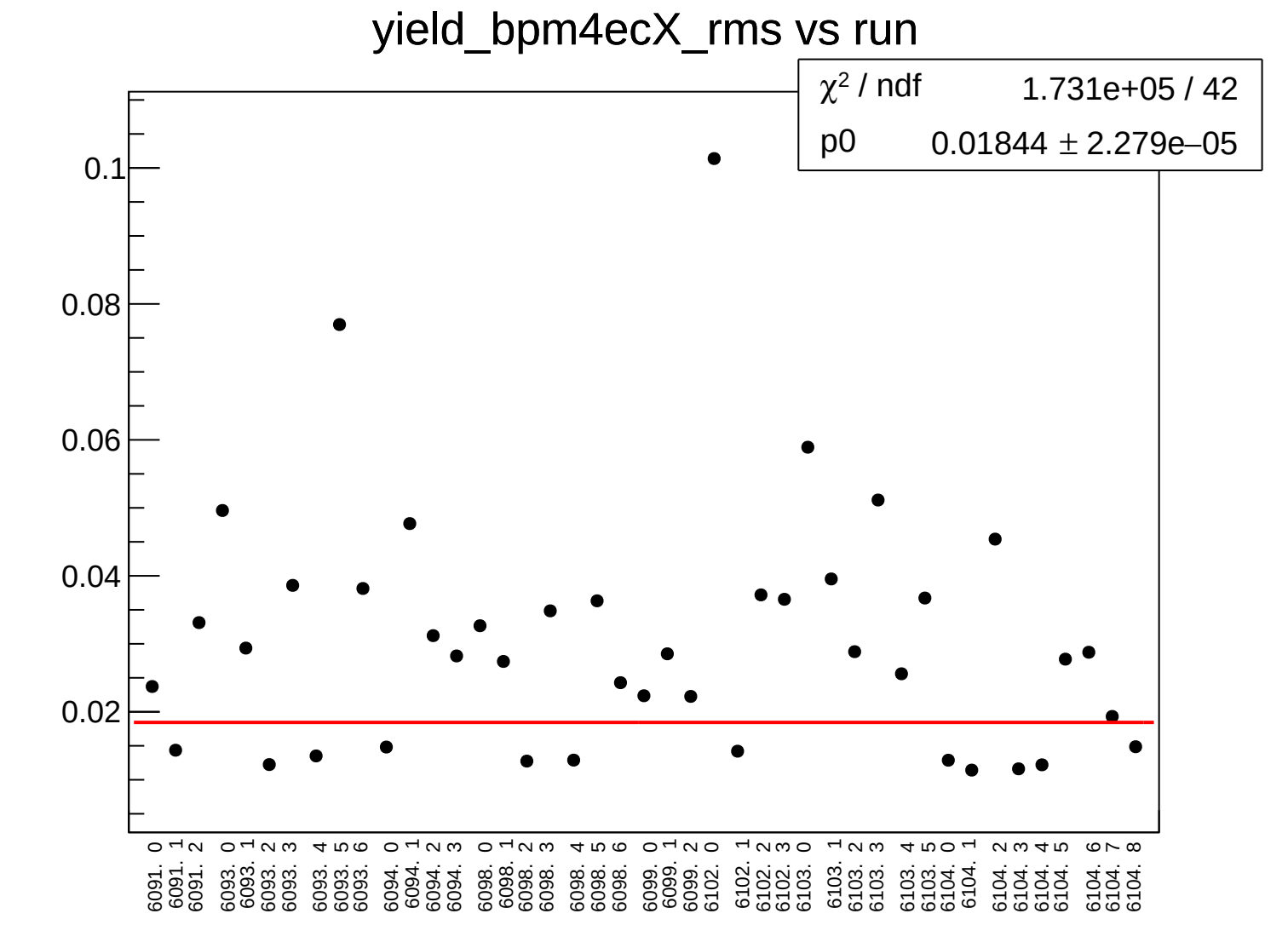

yield_bpm4acX_rms vs run
χ² / ndf 1.747e+05 / 42
p0 0.02128 ± 2.634e–05
0.1
0.08
0.06
0.04
0.02
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

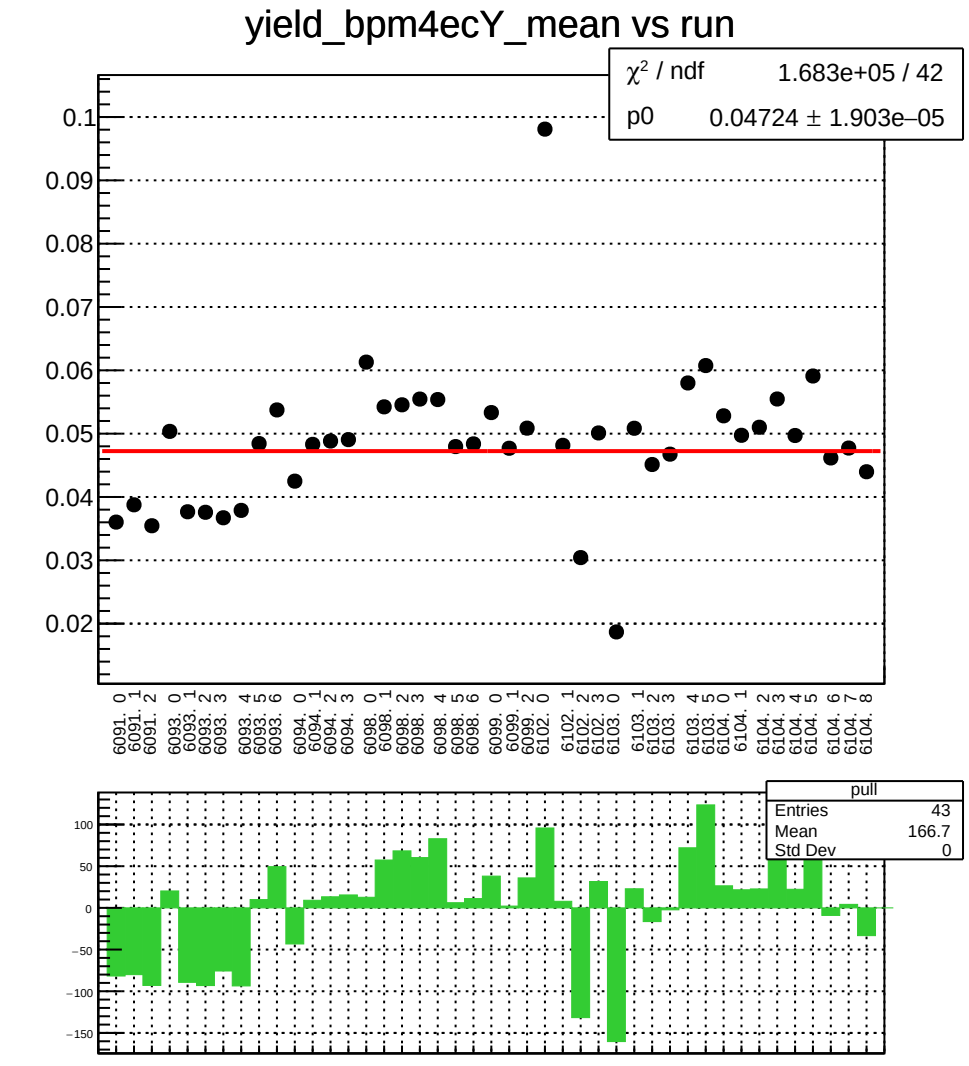

yield_bpm4acY_mean vs run
χ² / ndf 1.64e+05 / 42
p0 0.8144 ± 2.16e−05
0.88
0.86
0.84
0.82
0.8
0.78
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 24.39
Std Dev 37.97
100
50
0
−50
−100
−150
−200

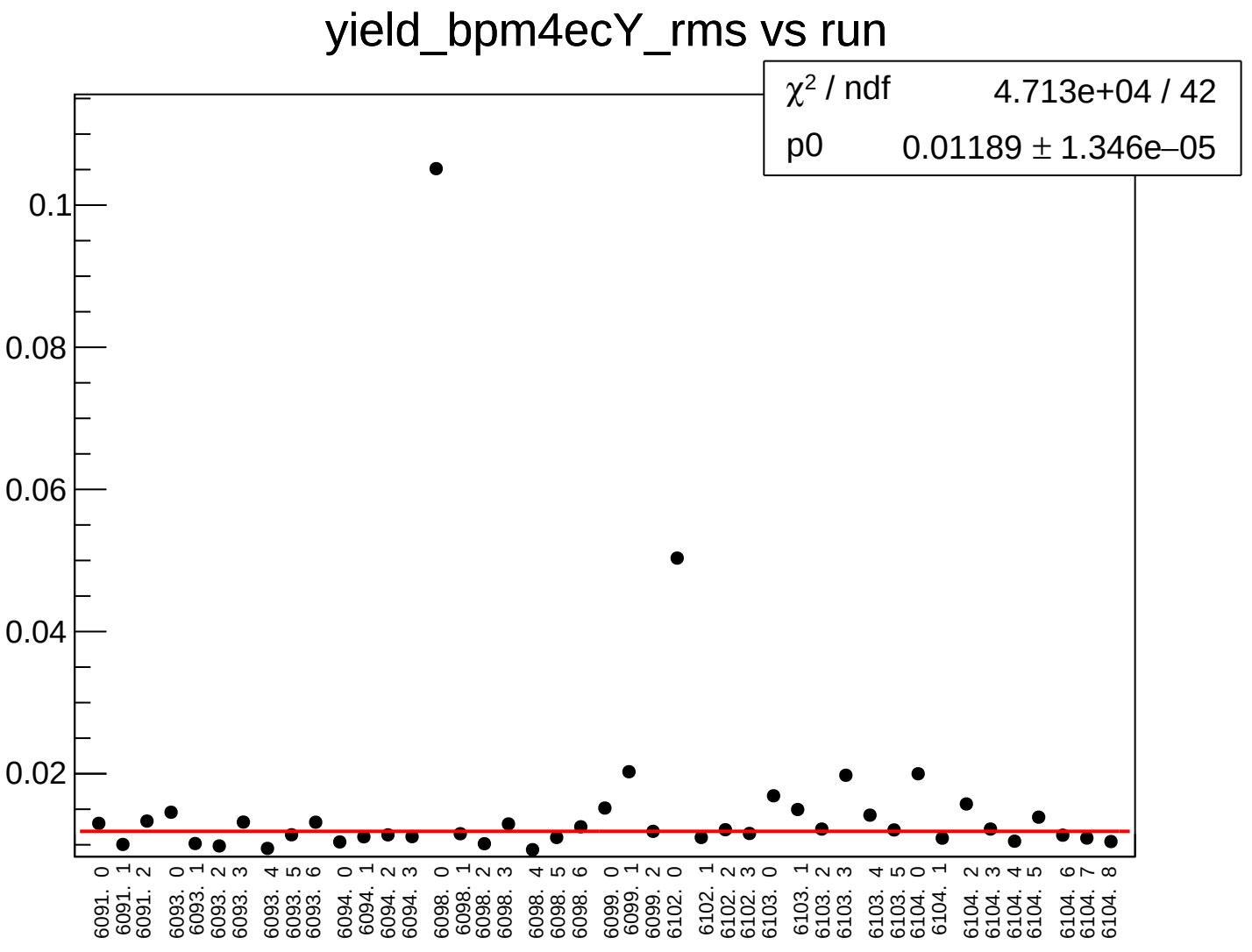

pull1D
Entries 43
Mean −1.71
Std Dev 2.962
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

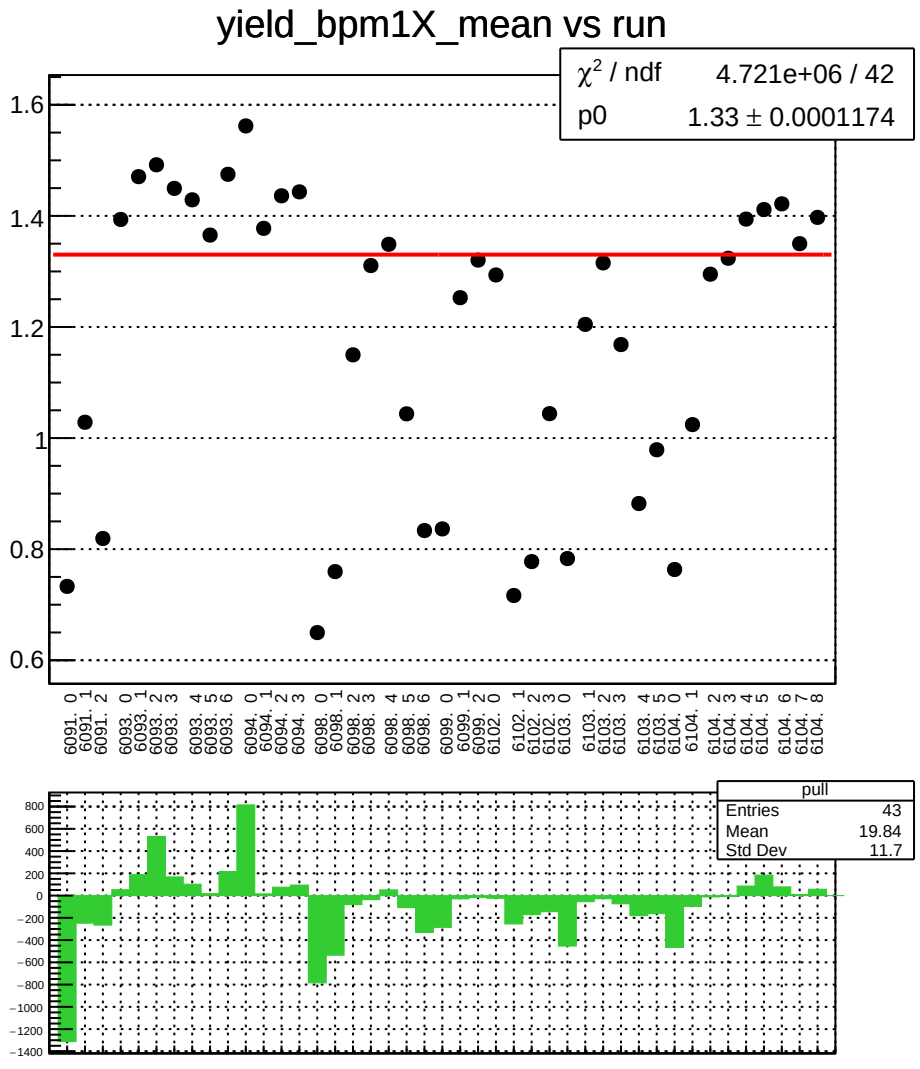

yield_bpm4acY_rms vs run
χ² / ndf 4.443e+04 / 42
p0 0.01352 ± 1.527e–05
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

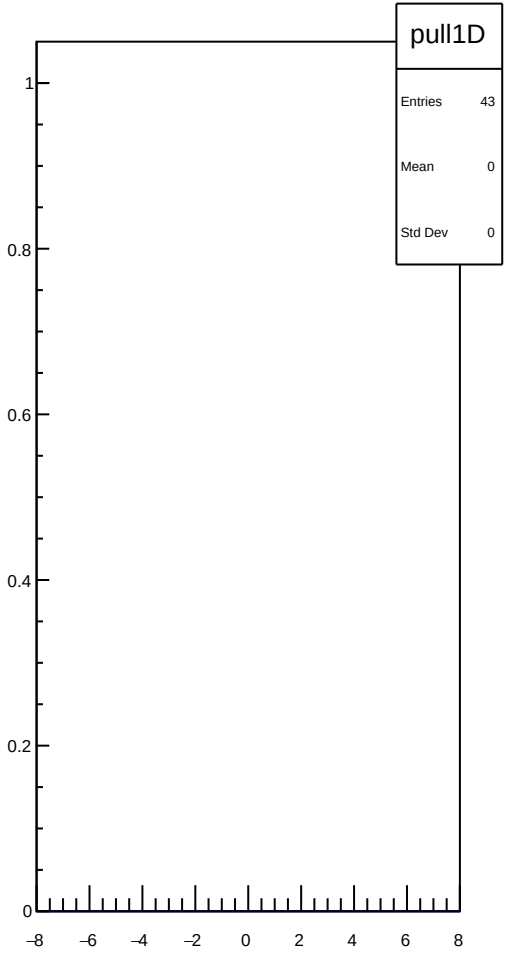

yield_bpm4ecX_mean vs run
χ² / ndf 1.089e+05 / 42
p0 −0.09195 ± 3.224e−05
−0.02
−0.04
−0.06
−0.08
−0.1
−0.12
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean −11.62
Std Dev 0
100
50
0
−50
−100
pull1D
Entries 43
Mean −0.6942
Std Dev 5.669
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

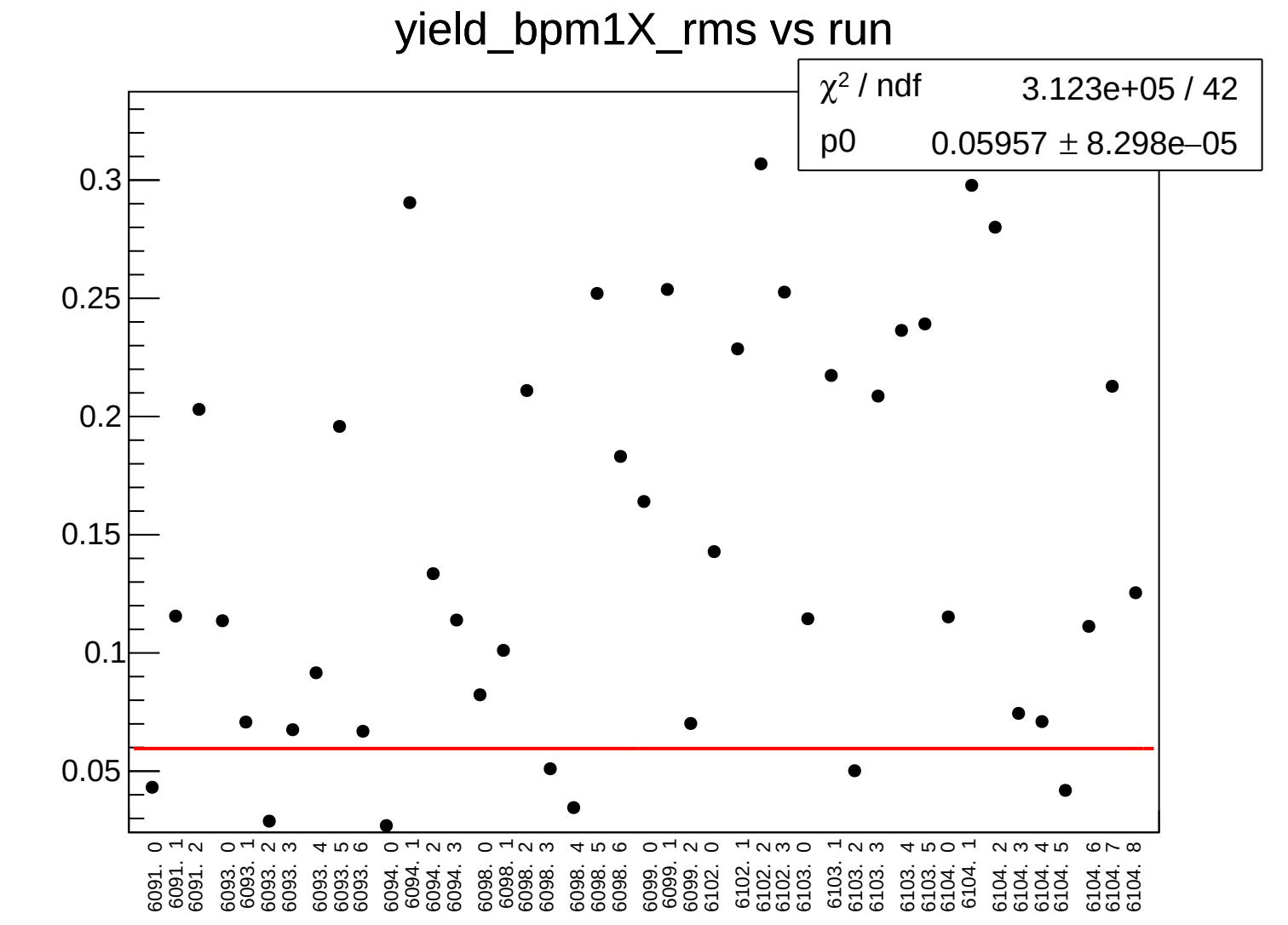

yield_bpm4ecX_rms vs run
χ² / ndf 1.731e+05 / 42
p0 0.01844 ± 2.279e–05
0.1
0.08
0.06
0.04
0.02
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

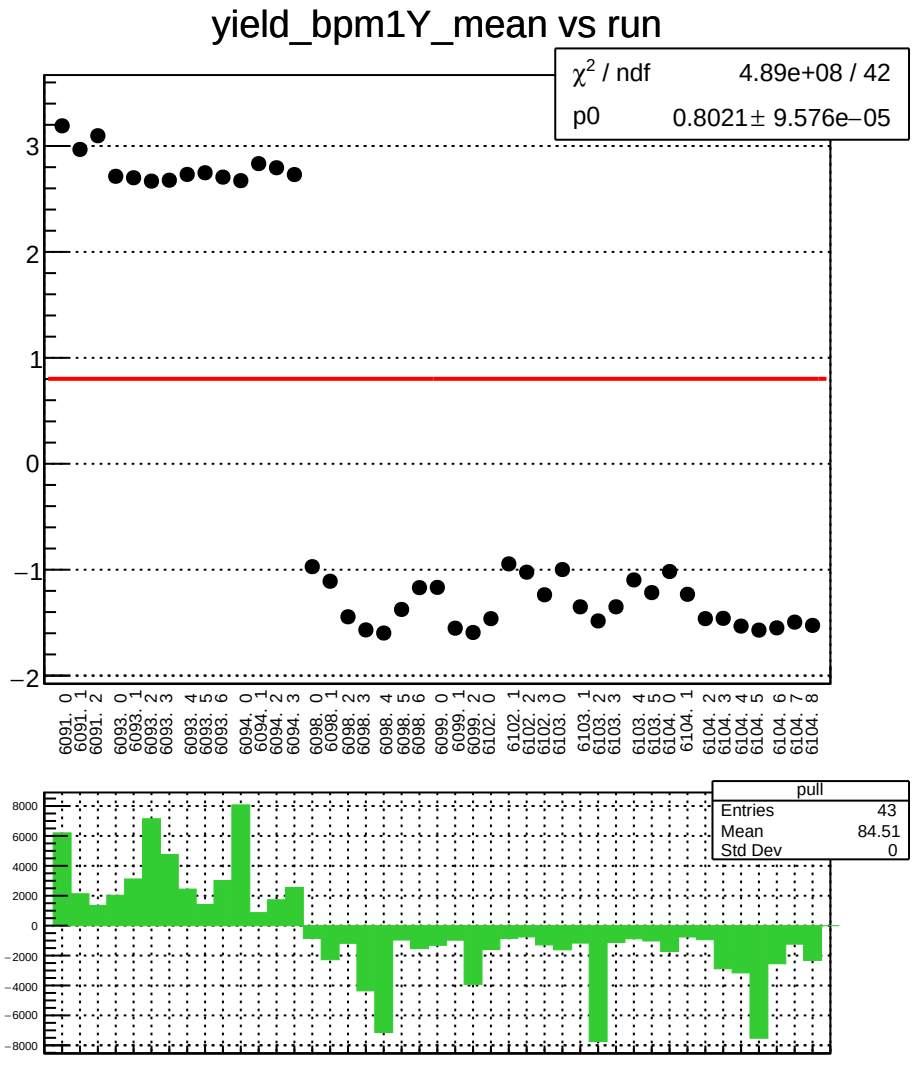

yield_bpm4ecY_mean vs run
χ² / ndf 1.683e+05 / 42
p0 0.04724 ± 1.903e−05
0.1
0.09
0.08
0.07
0.06
0.05
0.04
0.03
0.02
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 166.7
Std Dev 0
100
50
0
−50
−100
−150
pull1D
Entries 43
Mean 3.606
Std Dev 3.527
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

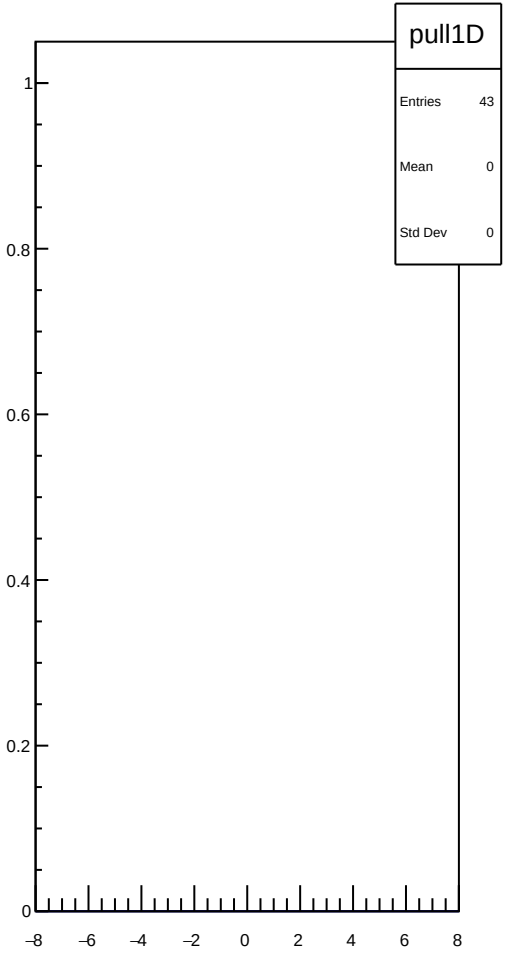

yield_bpm4ecY_rms vs run
χ² / ndf 4.713e+04 / 42
p0 0.01189 ± 1.346e–05
0.1
0.08
0.06
0.04
0.02
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

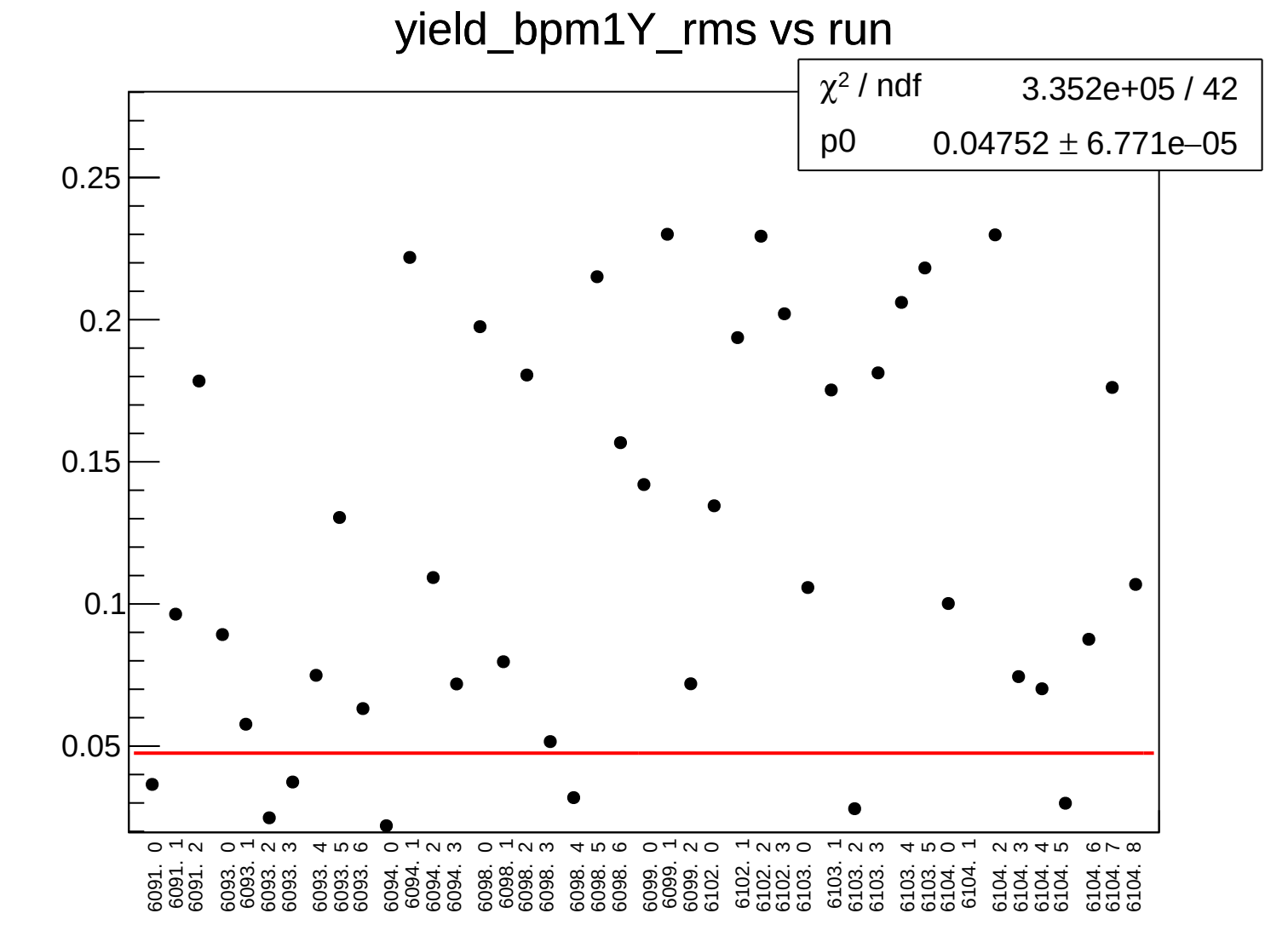

yield_bpm1X_mean vs run
χ² / ndf 4.721e+06 / 42
p0 1.33 ± 0.0001174
pull
Entries 43
Mean 19.84
Std Dev 11.7

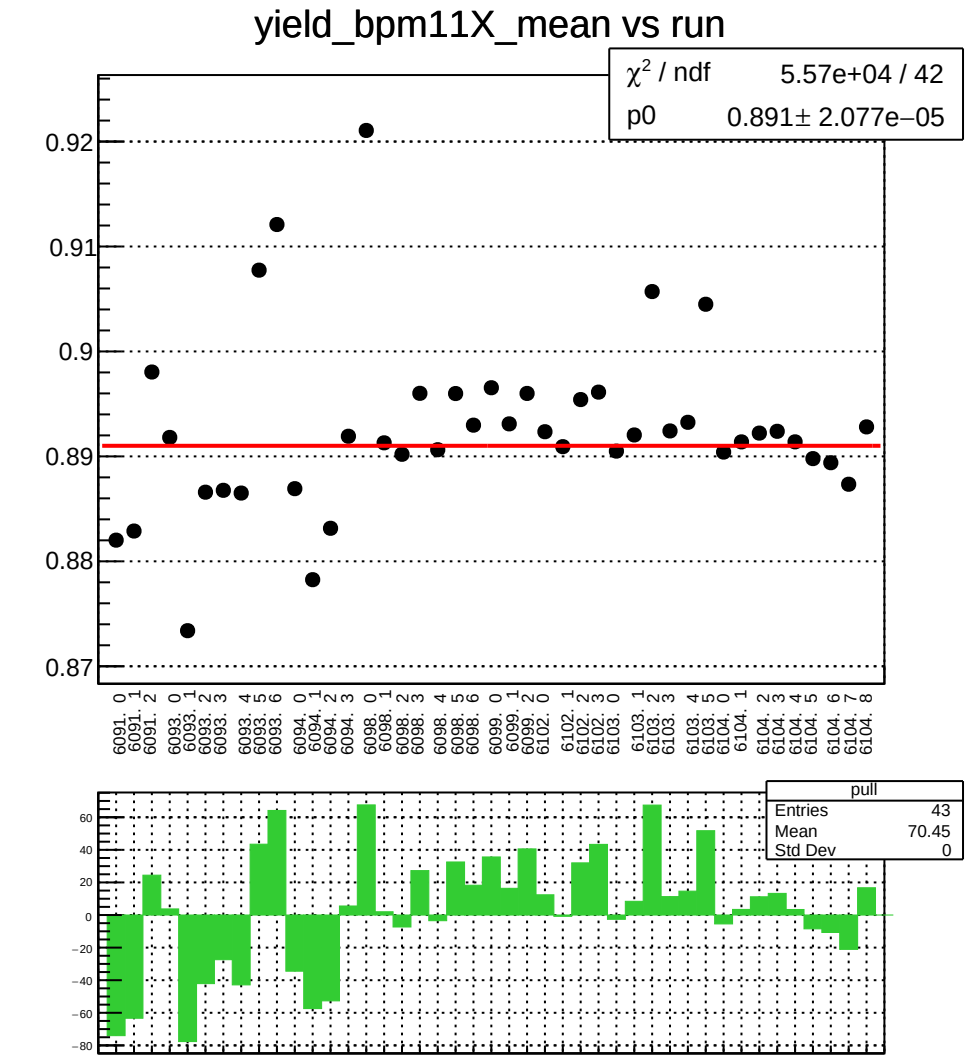

pull1D
Entries 43
Mean 0
Std Dev 0

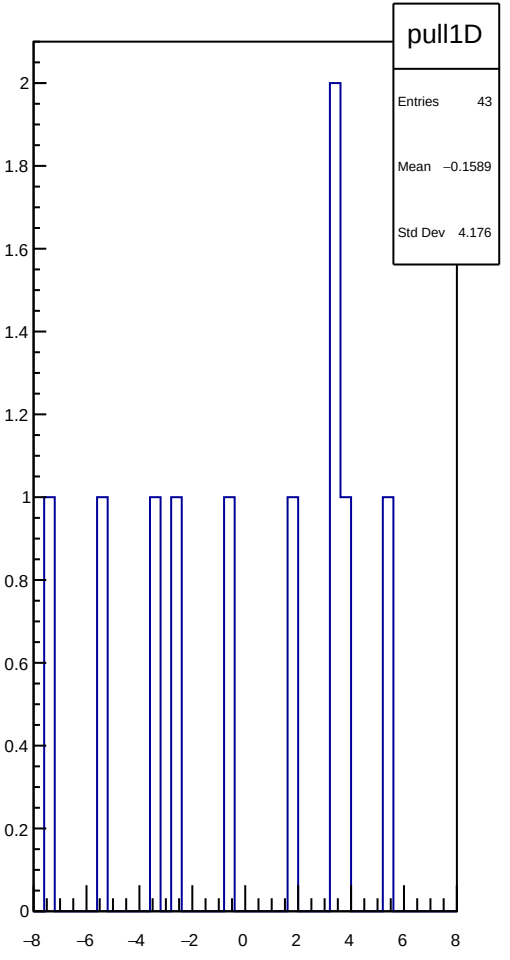

yield_bpm1X_rms vs run
χ² / ndf 3.123e+05 / 42
p0 0.05957 ± 8.298e–05
0.3
0.25
0.2
0.15
0.1
0.05
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

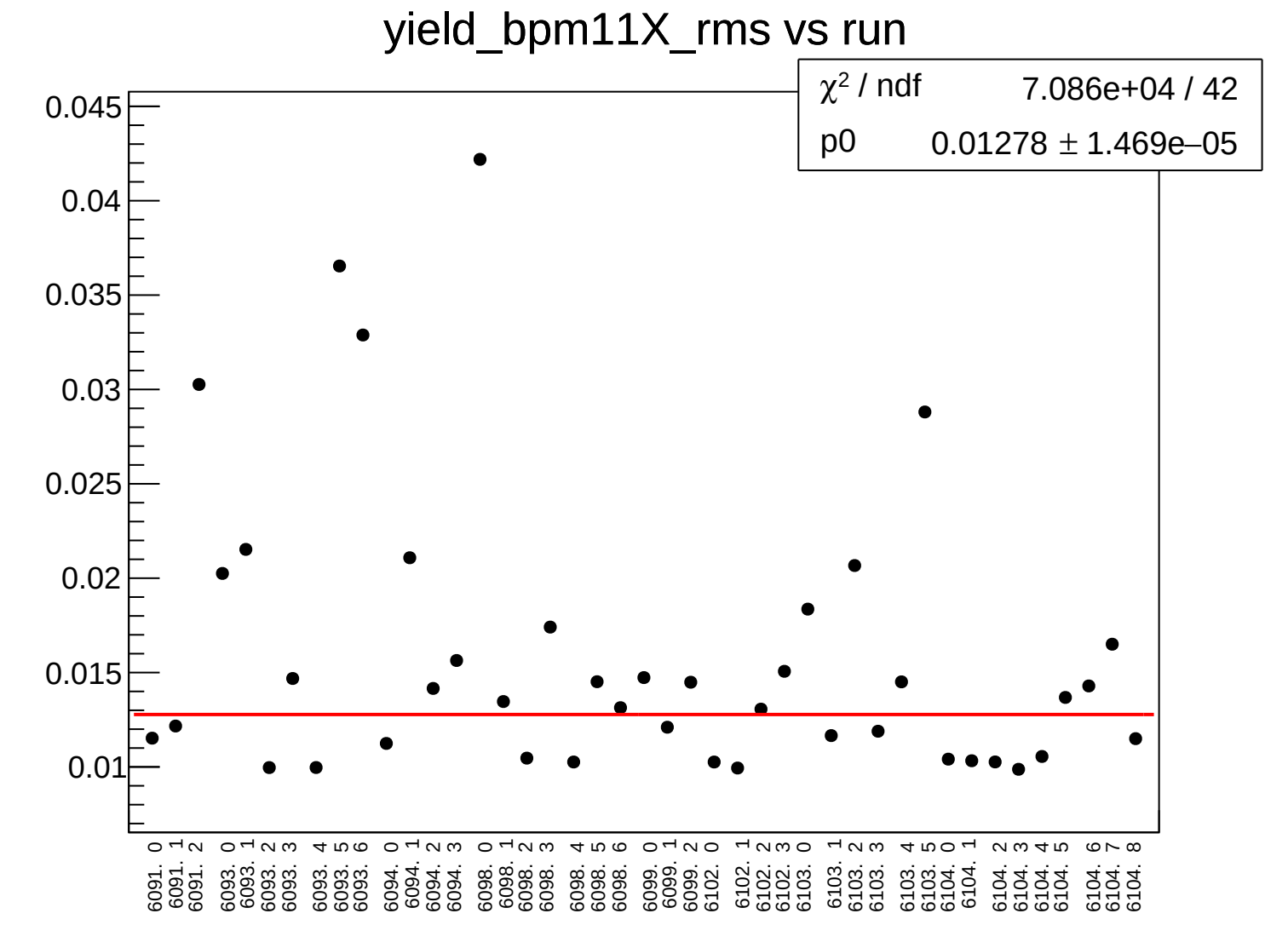

yield_bpm1Y_mean vs run
χ² / ndf 4.89e+08 / 42
p0 0.8021 ± 9.576e−05
pull
Entries 43
Mean 84.51
Std Dev 0

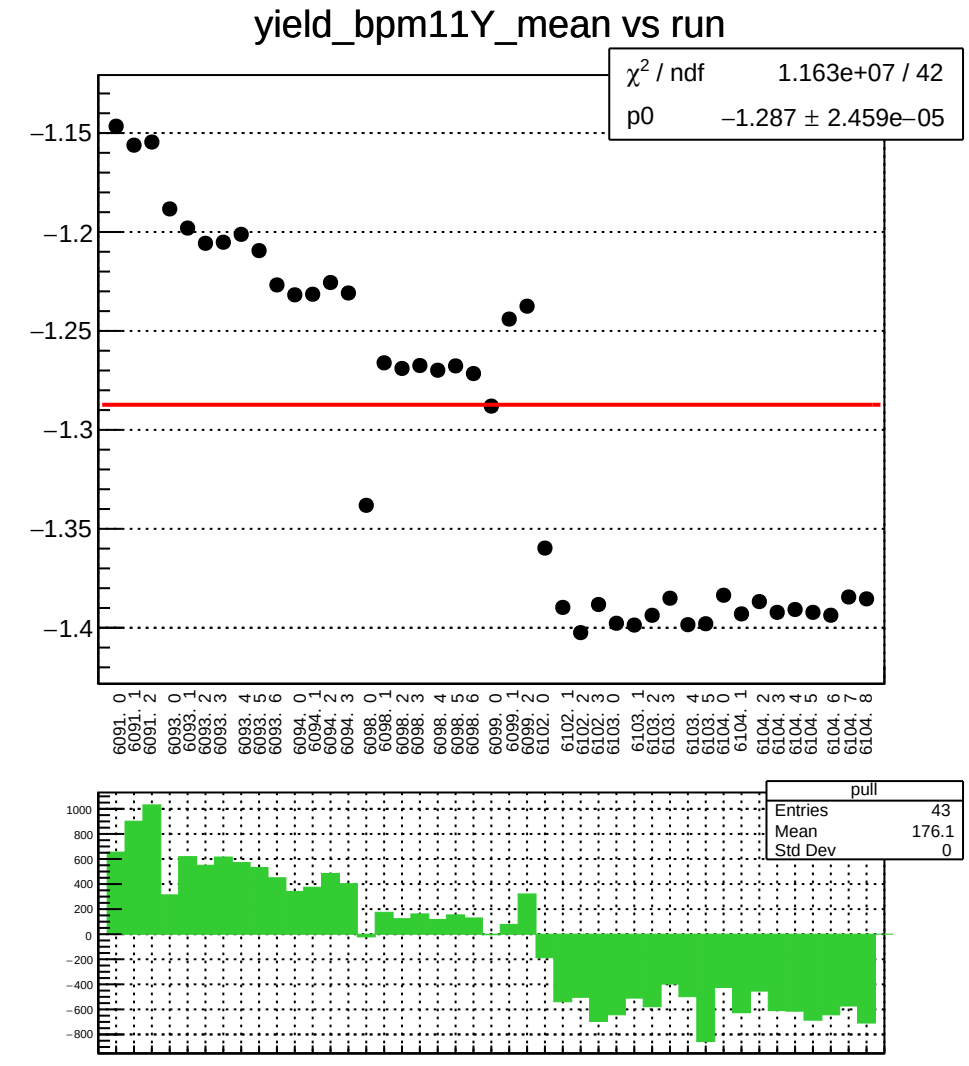

pull1D
Entries 43
Mean 0
Std Dev 0

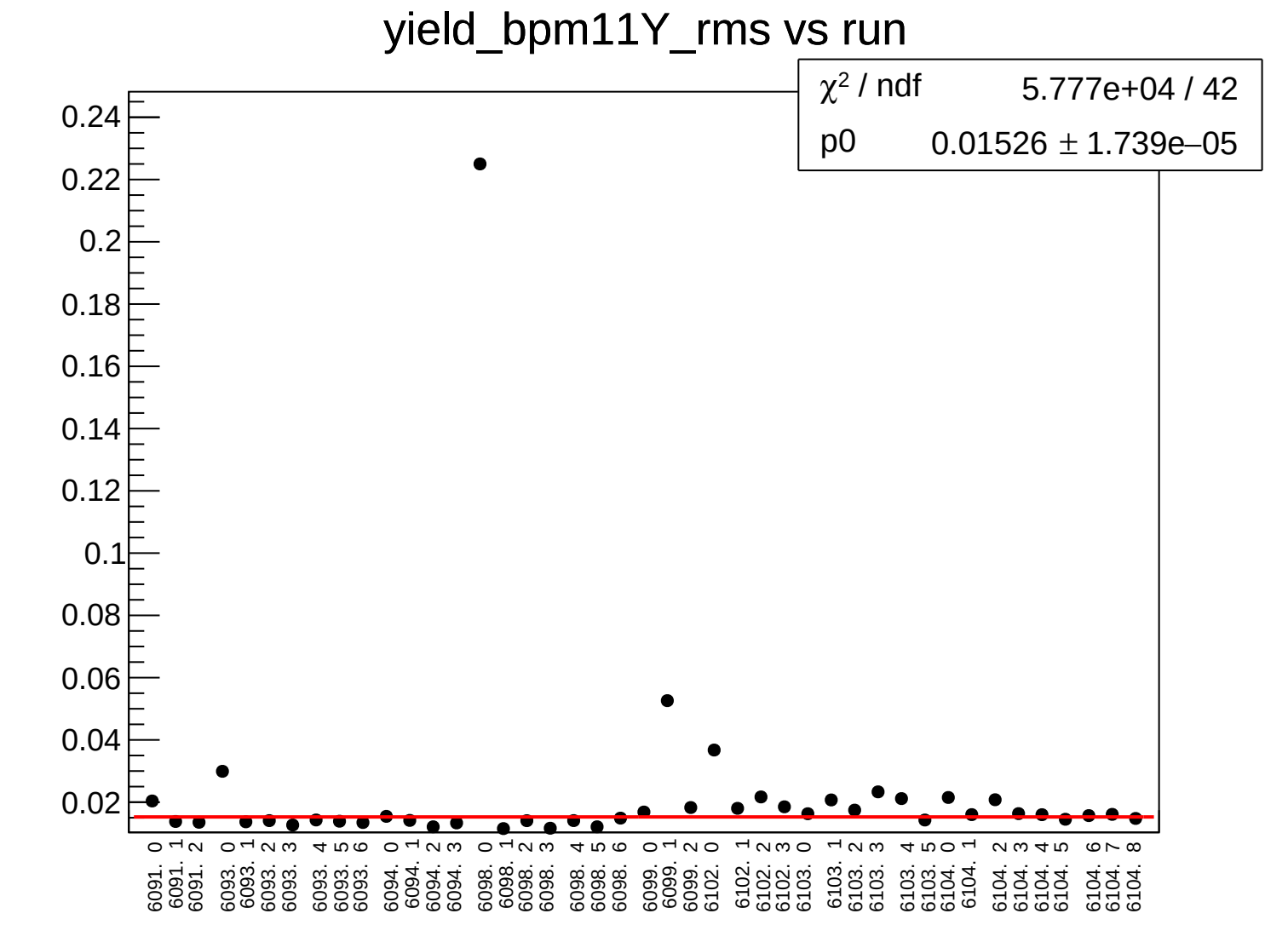

yield_bpm1Y_rms vs run
χ² / ndf 3.352e+05 / 42
p0 0.04752 ± 6.771e−05
0.25
0.2
0.15
0.1
0.05
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

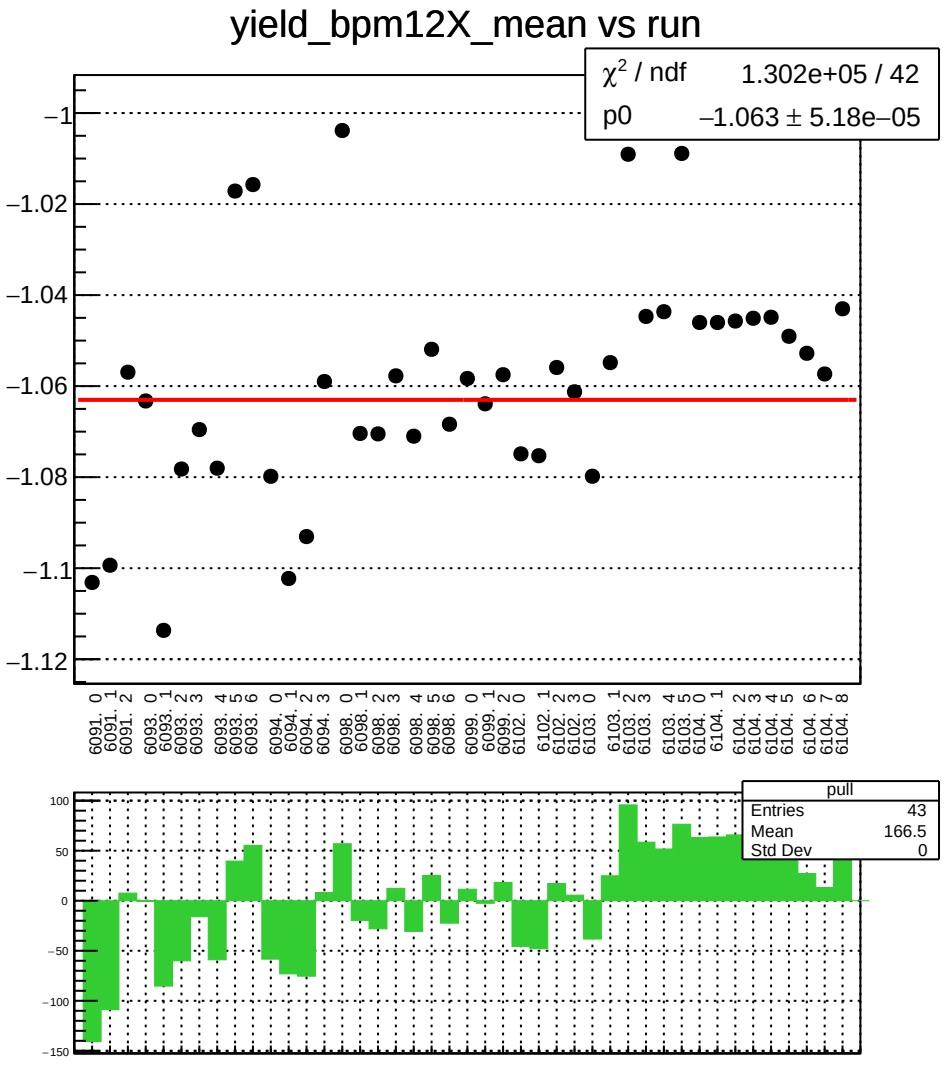

yield_bpm11X_mean vs run
χ² / ndf 5.57e+04 / 42
p0 0.891± 2.077e−05
0.92
0.91
0.9
0.89
0.88
0.87
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 70.45
Std Dev 0
60
40
20
0
−20
−40
−60
−80

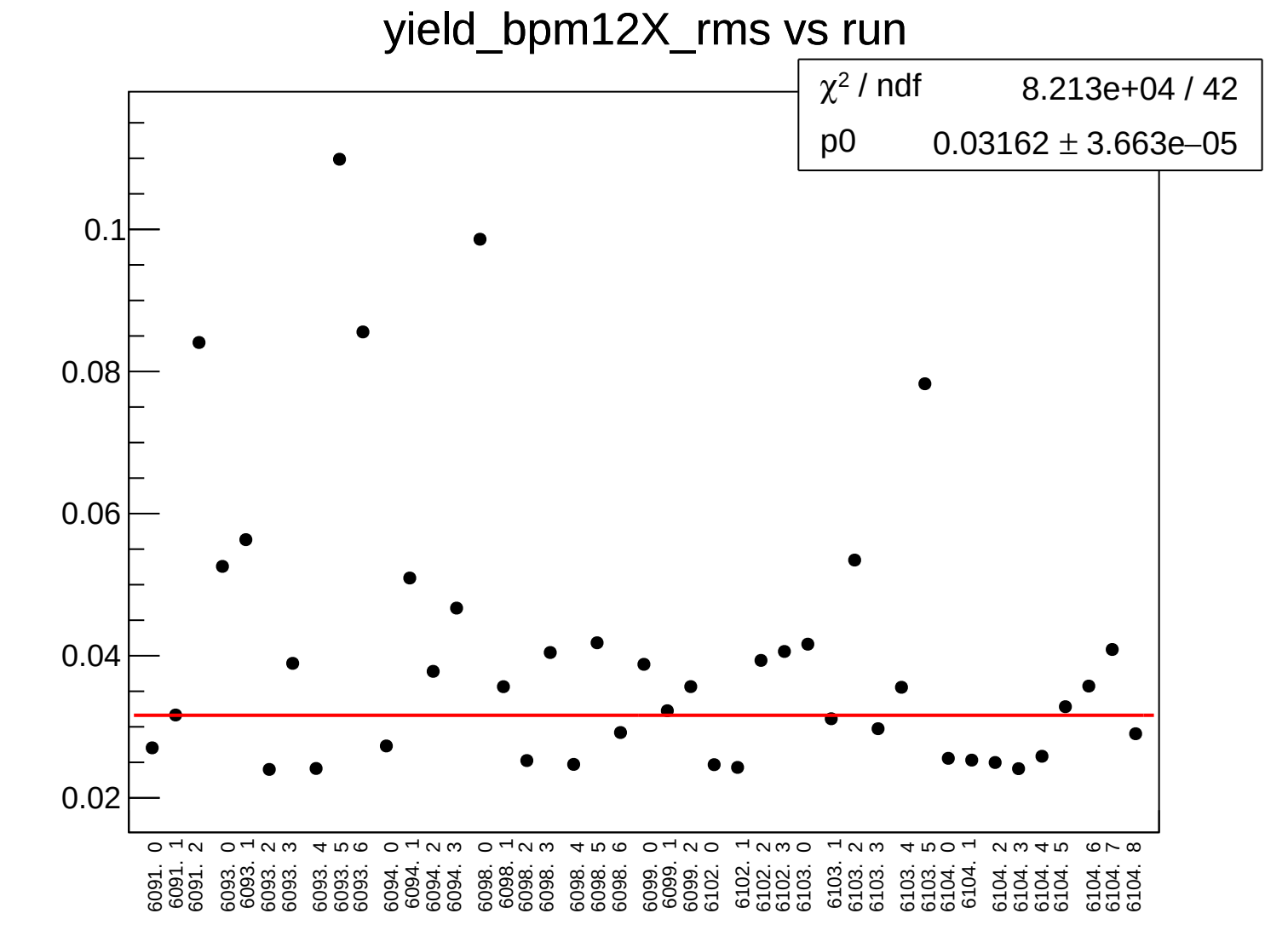

pull1D
Entries 43
Mean −0.1589
Std Dev 4.176
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

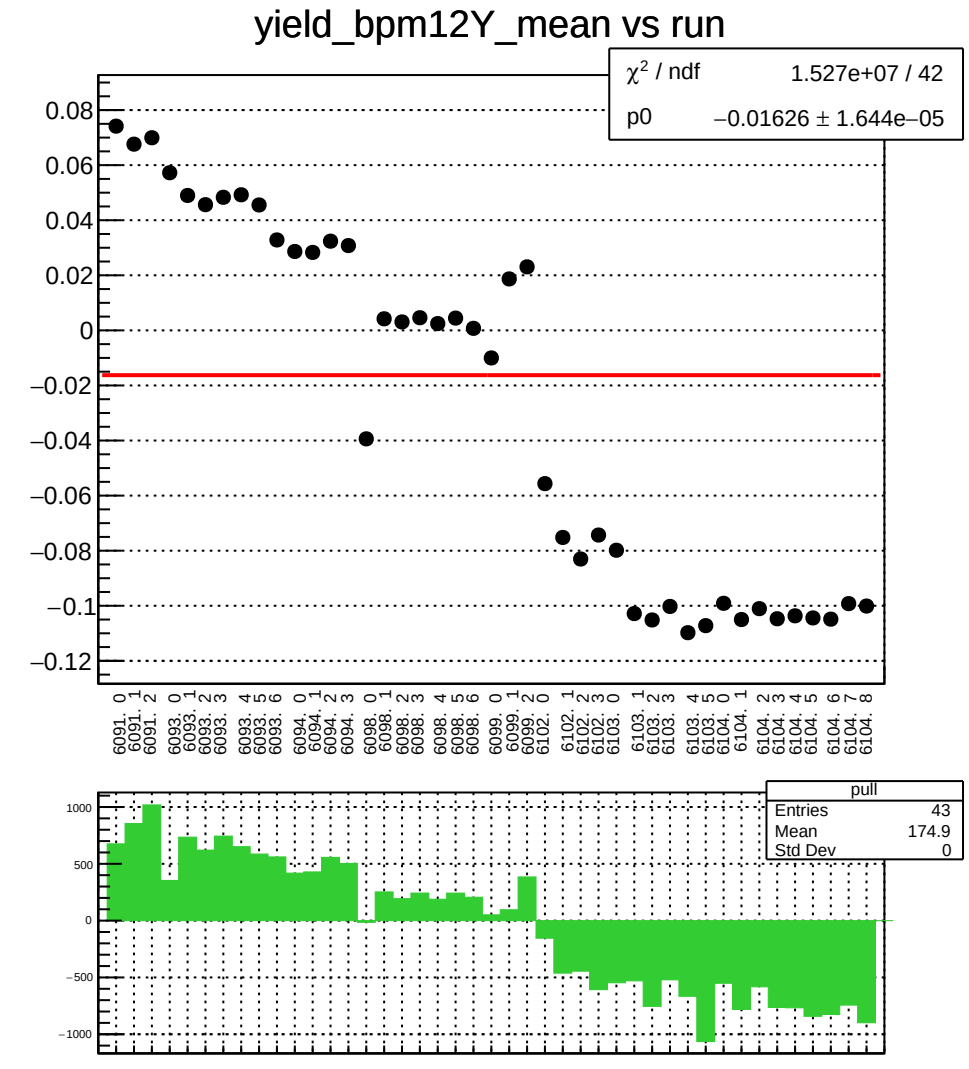

yield_bpm11X_rms vs run
χ² / ndf 7.086e+04 / 42
p0 0.01278 ± 1.469e−05
0.045
0.04
0.035
0.03
0.025
0.02
0.015
0.01
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

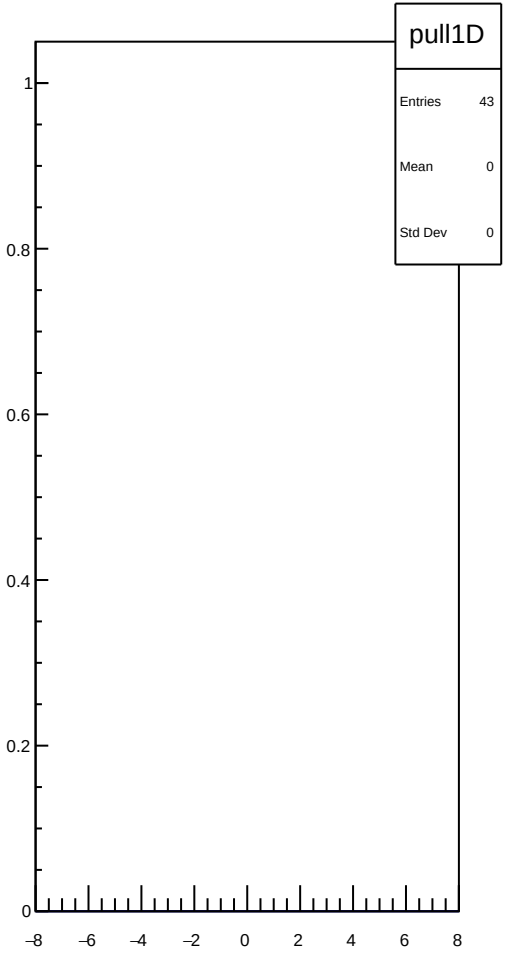

yield_bpm11Y_mean vs run
χ² / ndf 1.163e+07 / 42
p0 −1.287 ± 2.459e−05
−1.15
−1.2
−1.25
−1.3
−1.35
−1.4
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 176.1
Std Dev 0
1000
800
600
400
200
0
−200
−400
−600
−800
pull1D
Entries 43
Mean −3.84
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

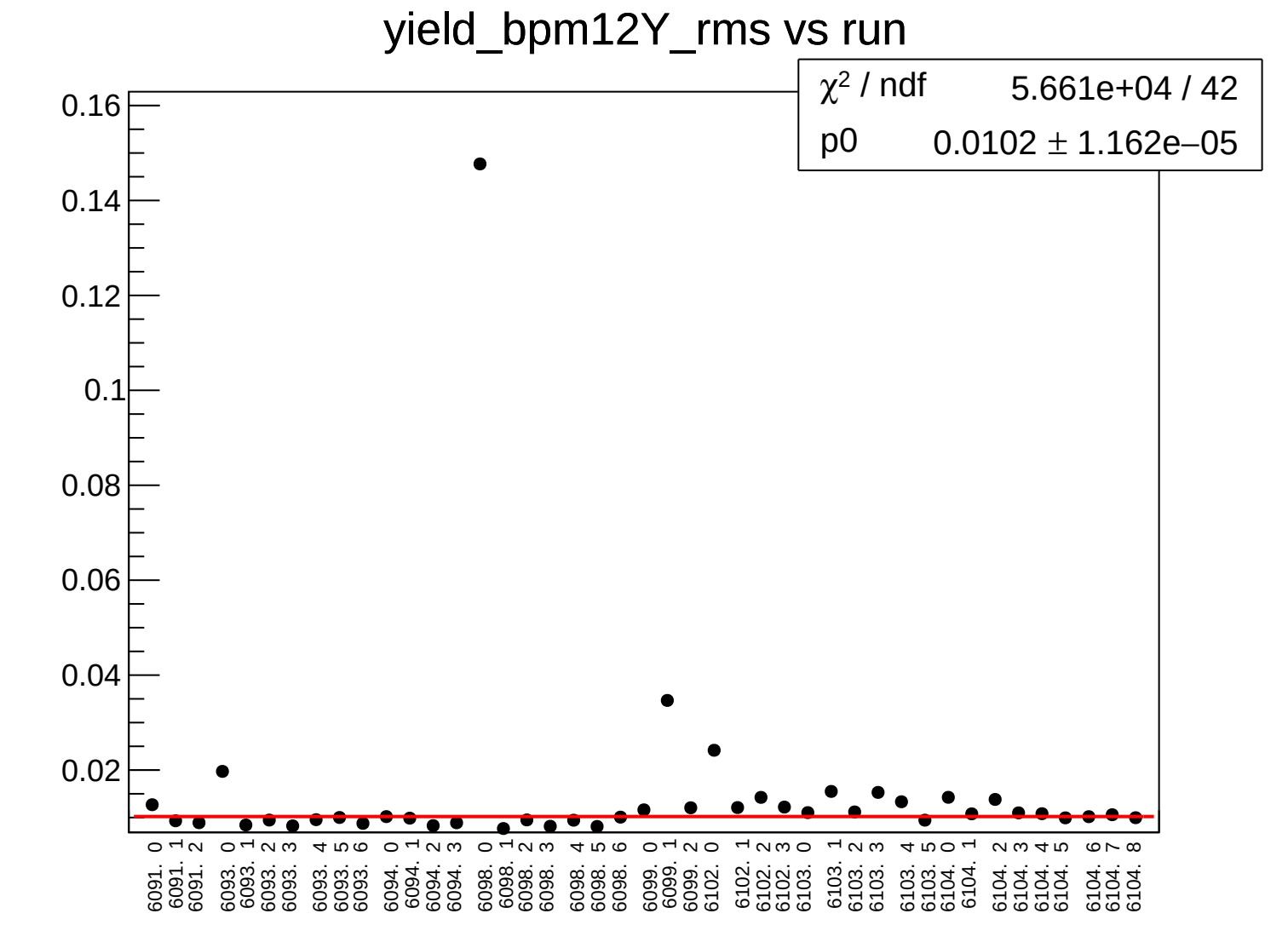

yield_bpm11Y_rms vs run
χ² / ndf 5.777e+04 / 42
p0 0.01526 ± 1.739e–05
0.24
0.22
0.2
0.18
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

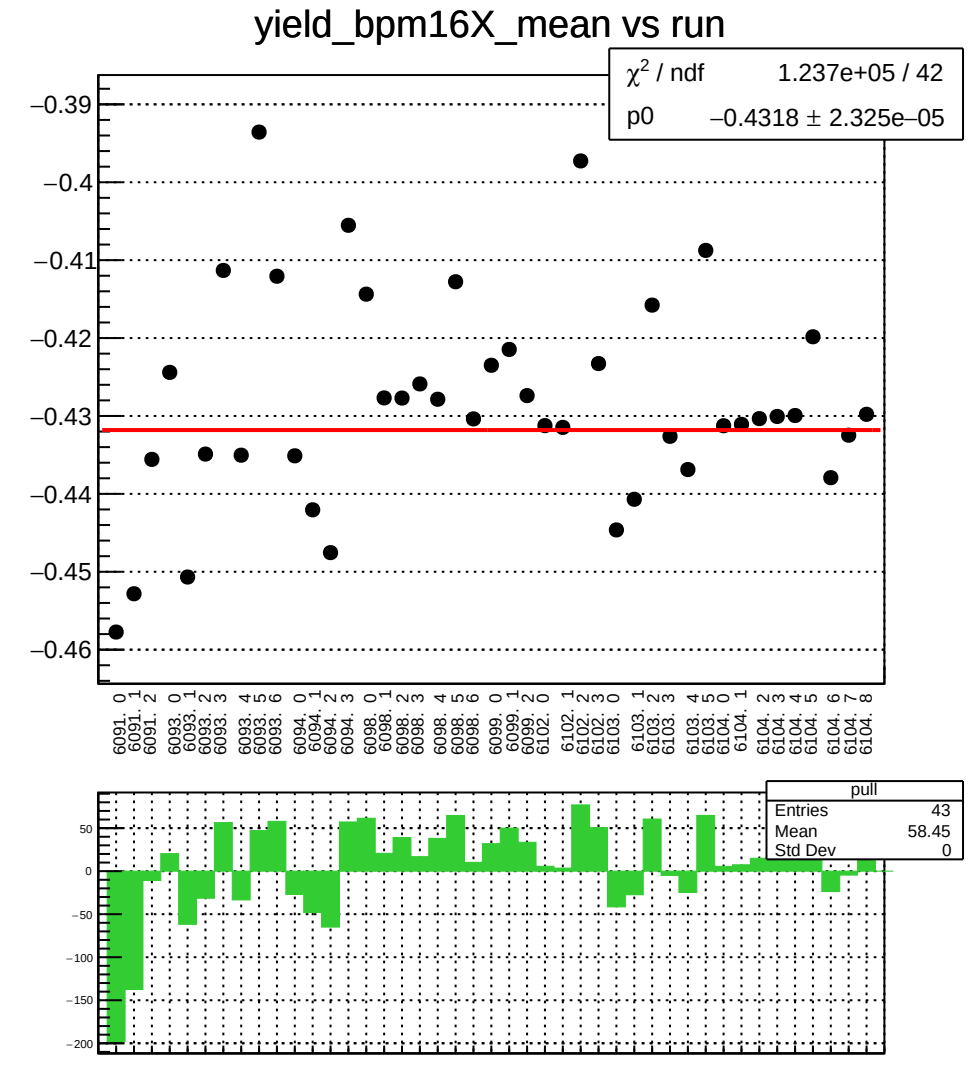

yield_bpm12X_mean vs run
χ² / ndf 1.302e+05 / 42
p0 −1.063 ± 5.18e−05
−1
−1.02
−1.04
−1.06
−1.08
−1.1
−1.12
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 166.5
Std Dev 0
100
50
0
−50
−100
−150
pull1D
Entries 43
Mean 2.55
Std Dev 4.177
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

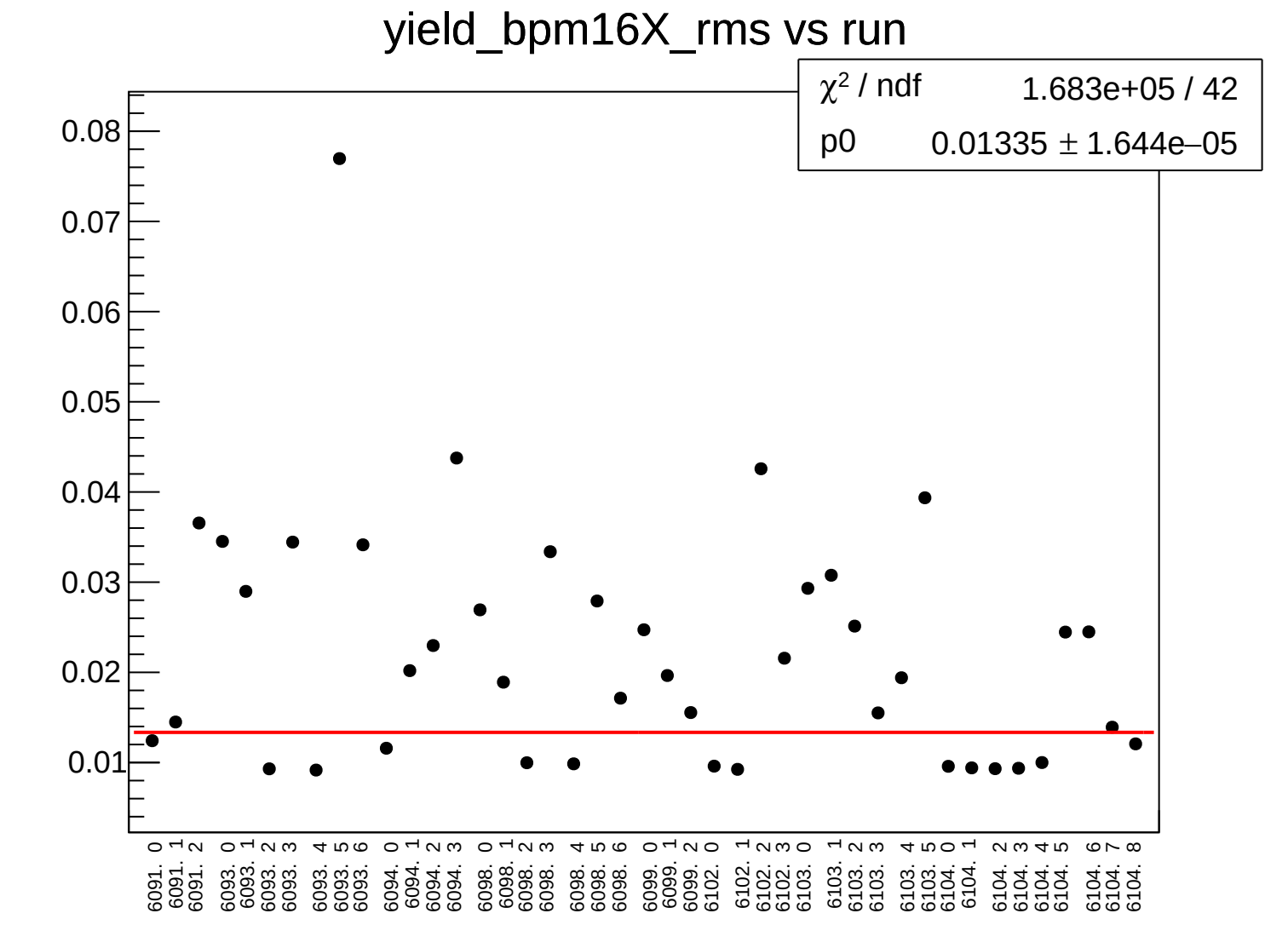

yield_bpm12X_rms vs run
χ² / ndf 8.213e+04 / 42
p0 0.03162 ± 3.663e–05
0.1
0.08
0.06
0.04
0.02
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

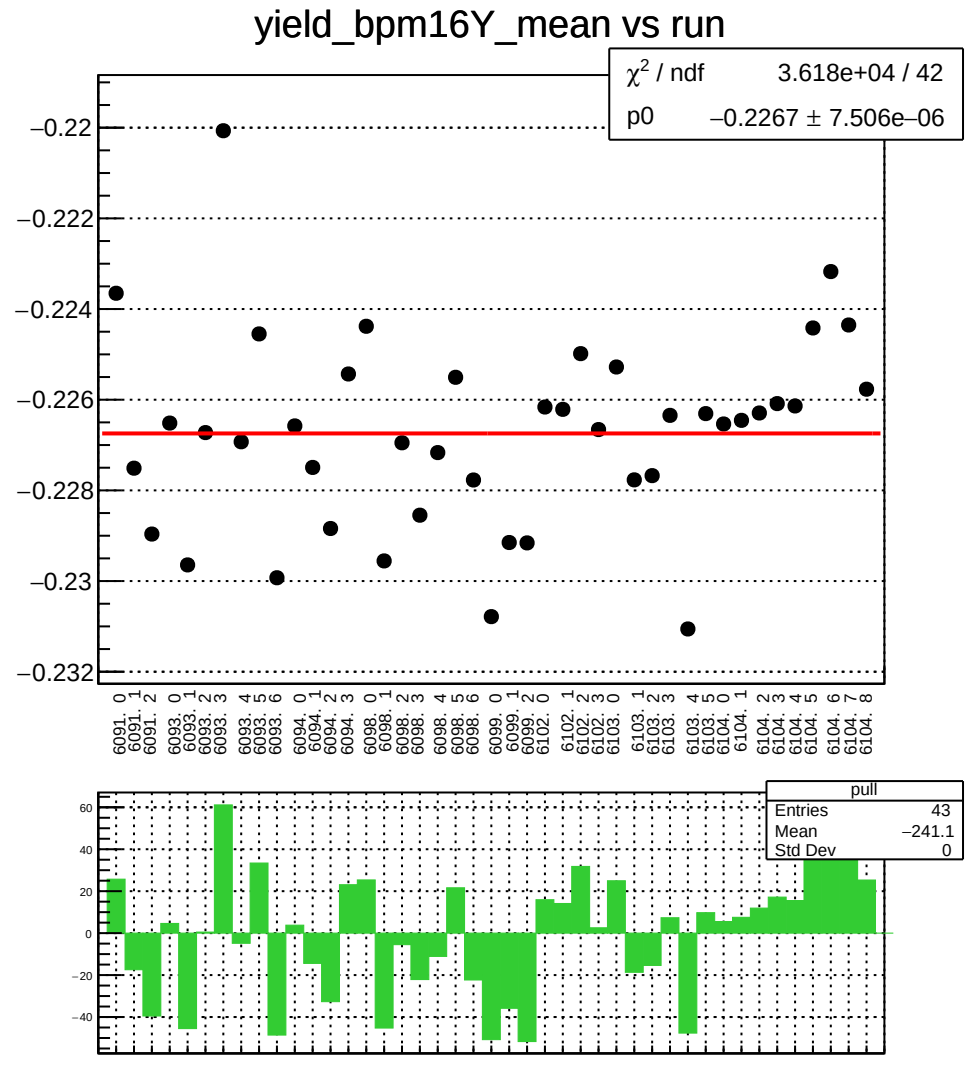

yield_bpm12Y_mean vs run
χ² / ndf 1.527e+07 / 42
p0 −0.01626 ± 1.644e−05
0.08
0.06
0.04
0.02
0
−0.02
−0.04
−0.06
−0.08
−0.1
−0.12
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 174.9
Std Dev 0
1000
500
0
−500
−1000

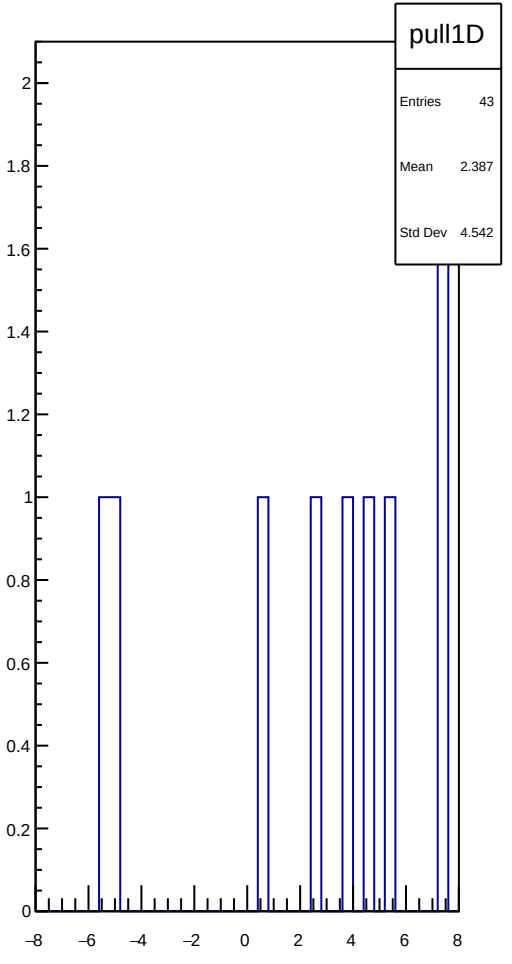

pull1D
Entries 43
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

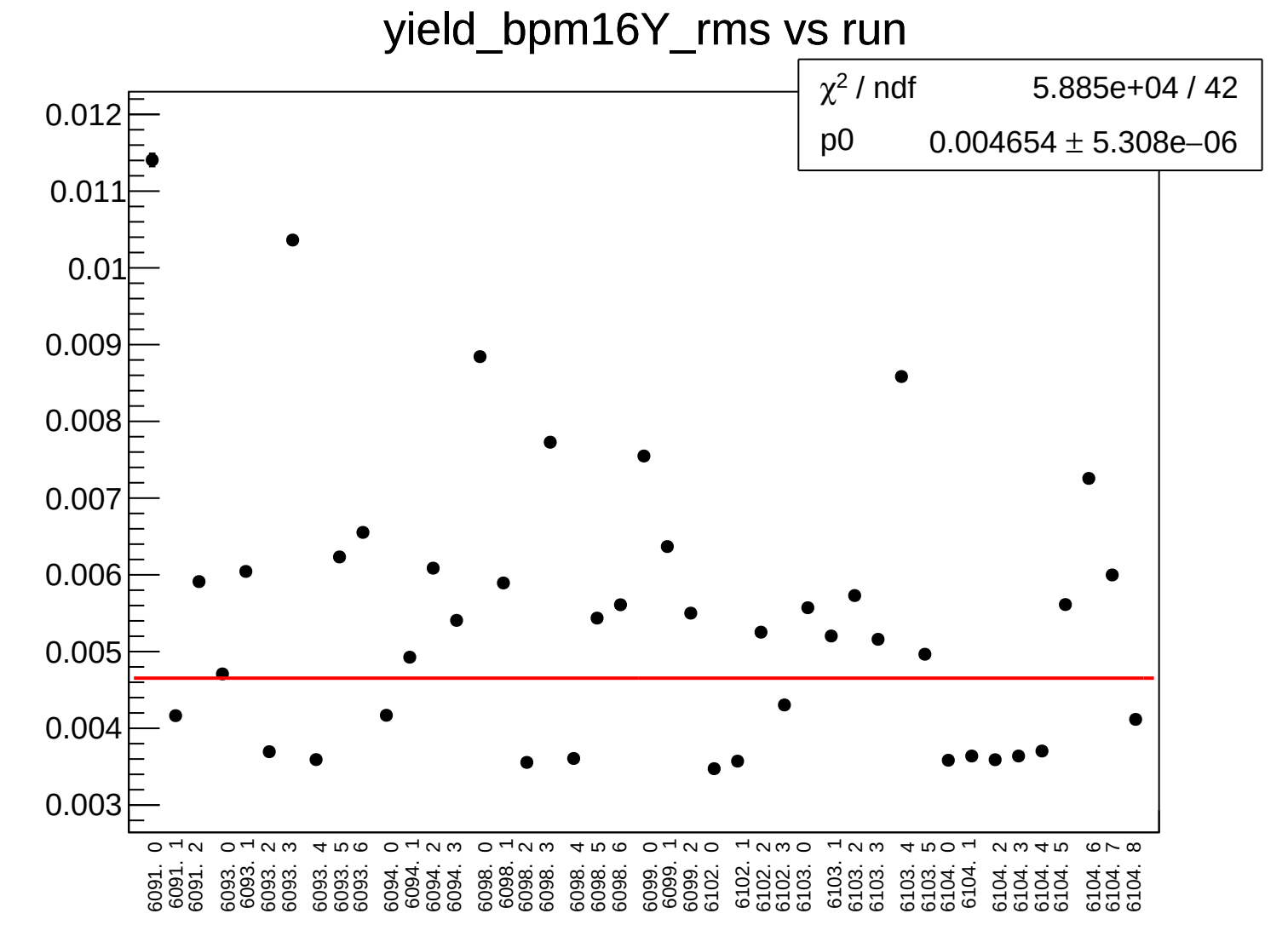

yield_bpm12Y_rms vs run
χ² / ndf 5.661e+04 / 42
p0 0.0102 ± 1.162e−05
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

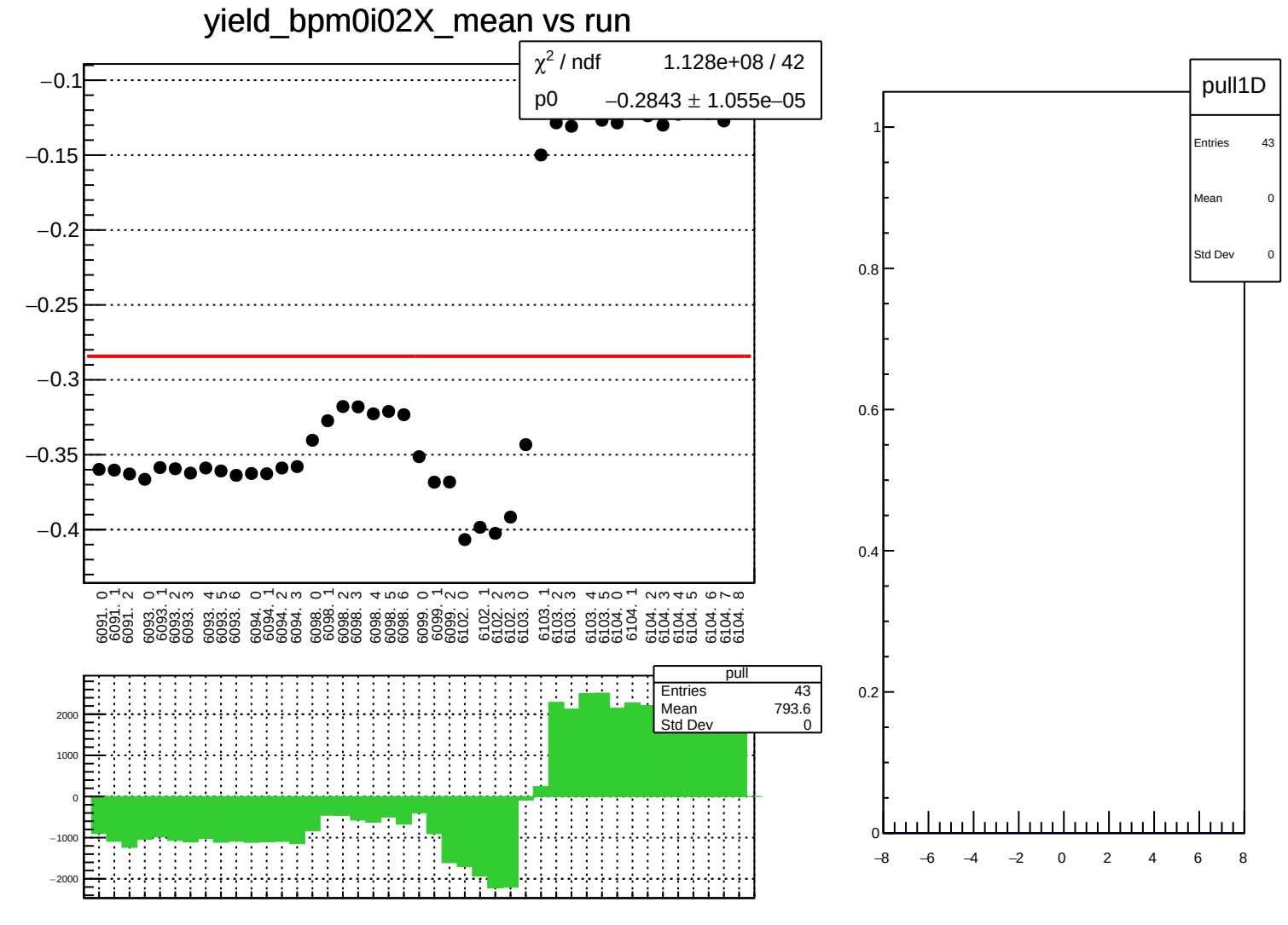

yield_bpm16X_mean vs run
χ² / ndf 1.237e+05 / 42
p0 −0.4318 ± 2.325e−05
−0.39
−0.4
−0.41
−0.42
−0.43
−0.44
−0.45
−0.46
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 58.45
Std Dev 0
50
0
−50
−100
−150
−200
pull1D
Entries 43
Mean 2.112
Std Dev 4.953
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

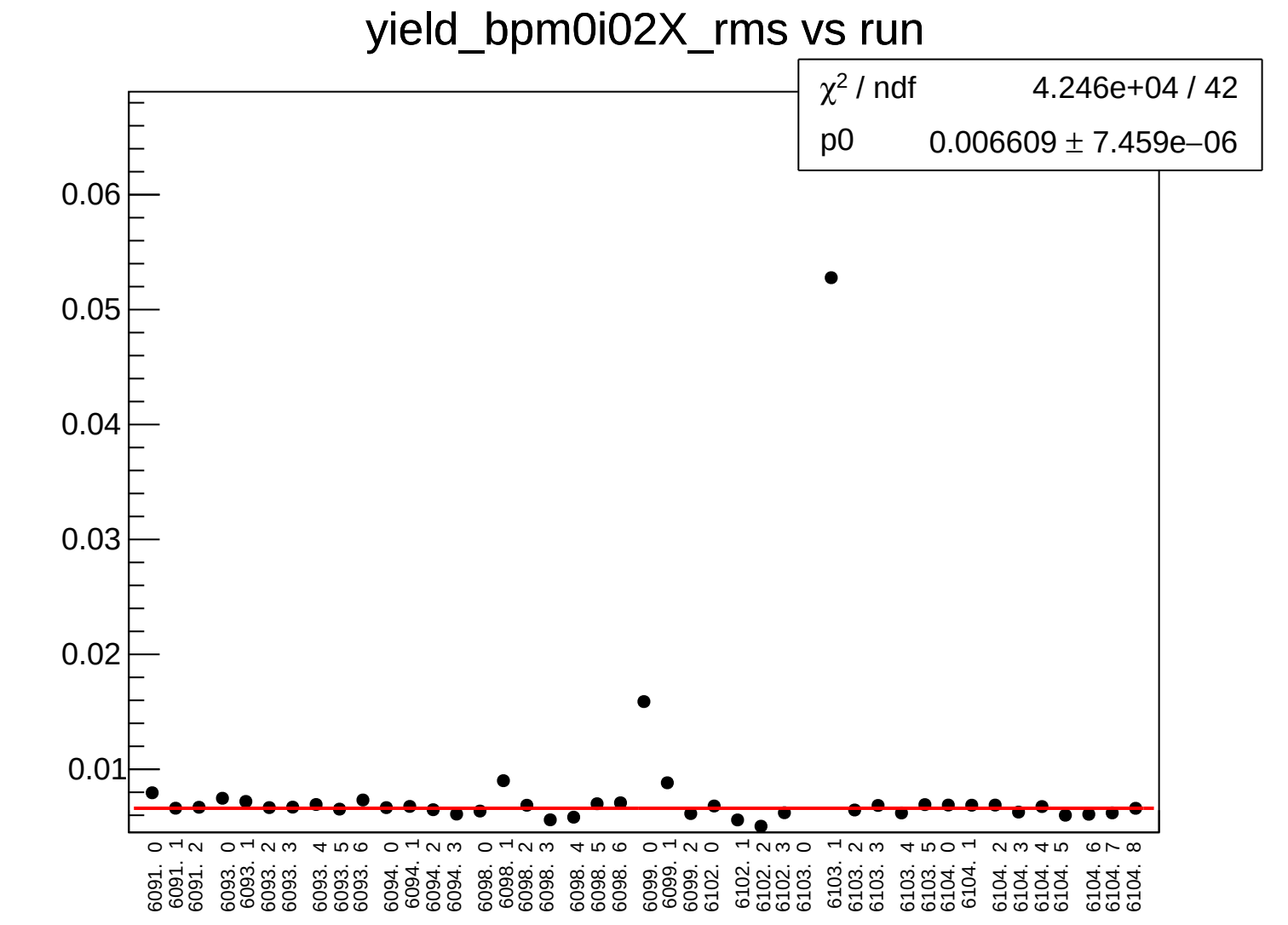

yield_bpm16X_rms vs run
χ² / ndf 1.683e+05 / 42
p0 0.01335 ± 1.644e−05
0.08
0.07
0.06
0.05
0.04
0.03
0.02
0.01
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

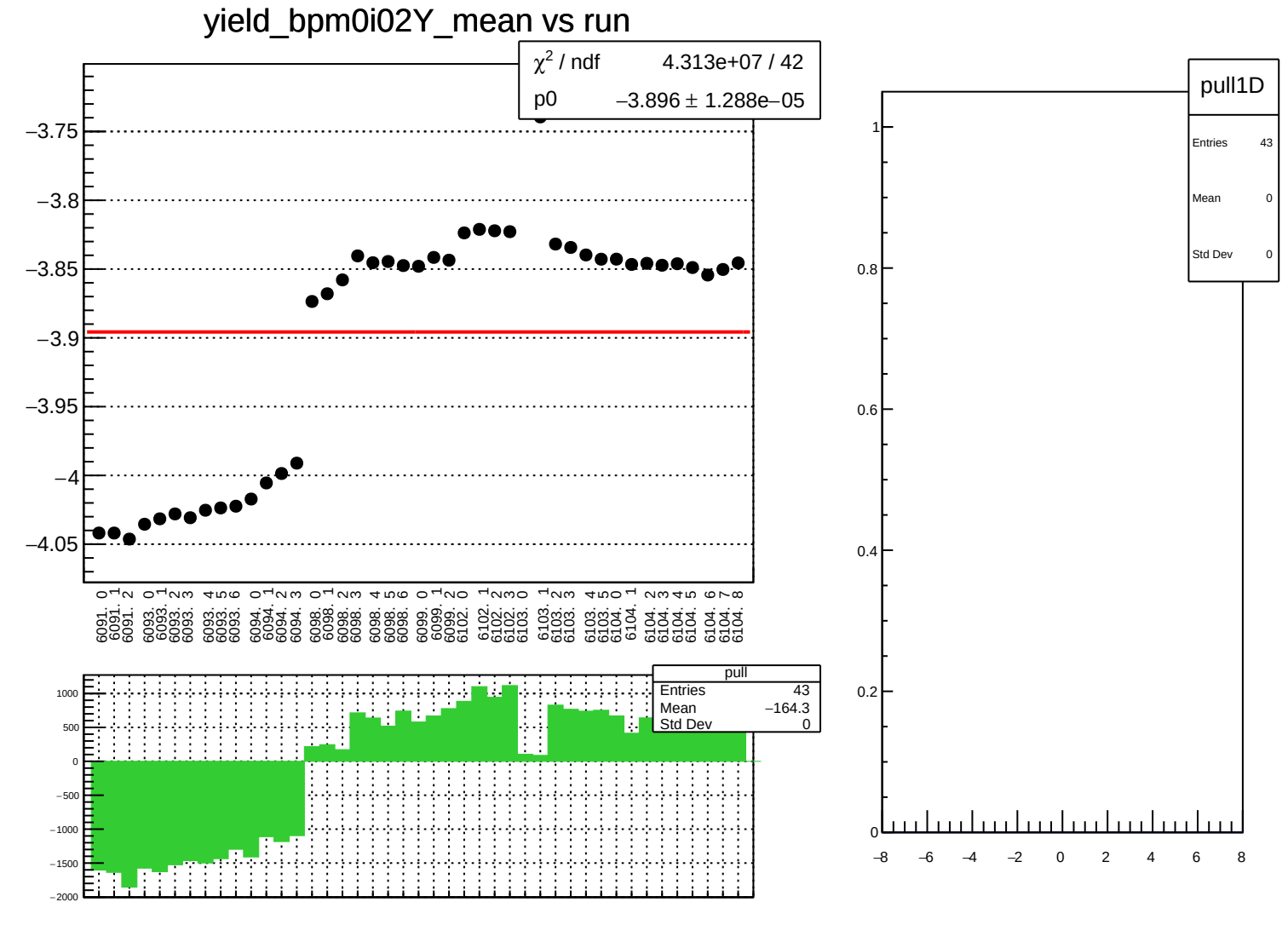

yield_bpm16Y_mean vs run
χ² / ndf 3.618e+04 / 42
p0 −0.2267 ± 7.506e−06
−0.22
−0.222
−0.224
−0.226
−0.228
−0.23
−0.232
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean −241.1
Std Dev 0
60
40
20
0
−20
−40

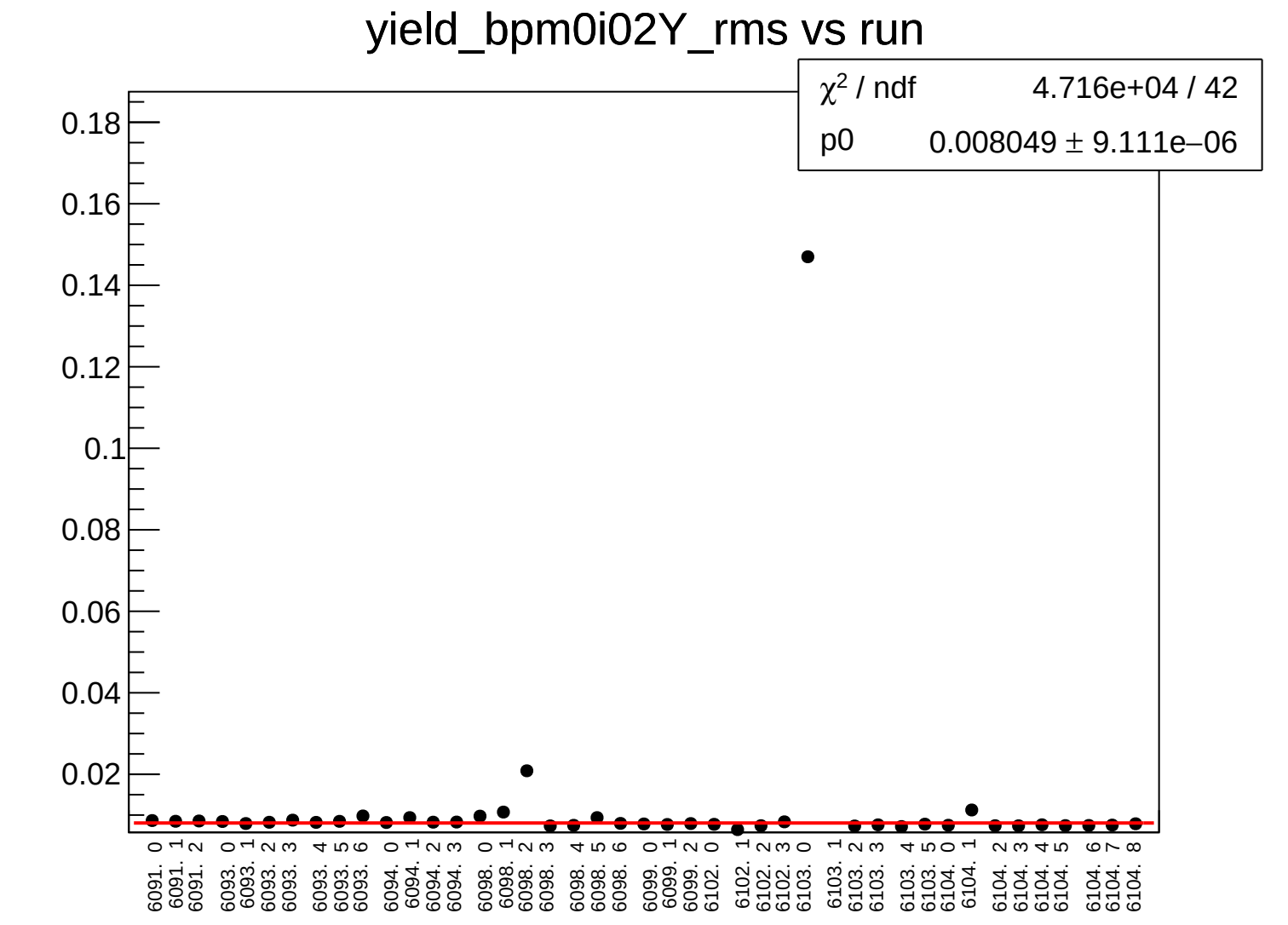

pull1D
Entries 43
Mean 2.387
Std Dev 4.542
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

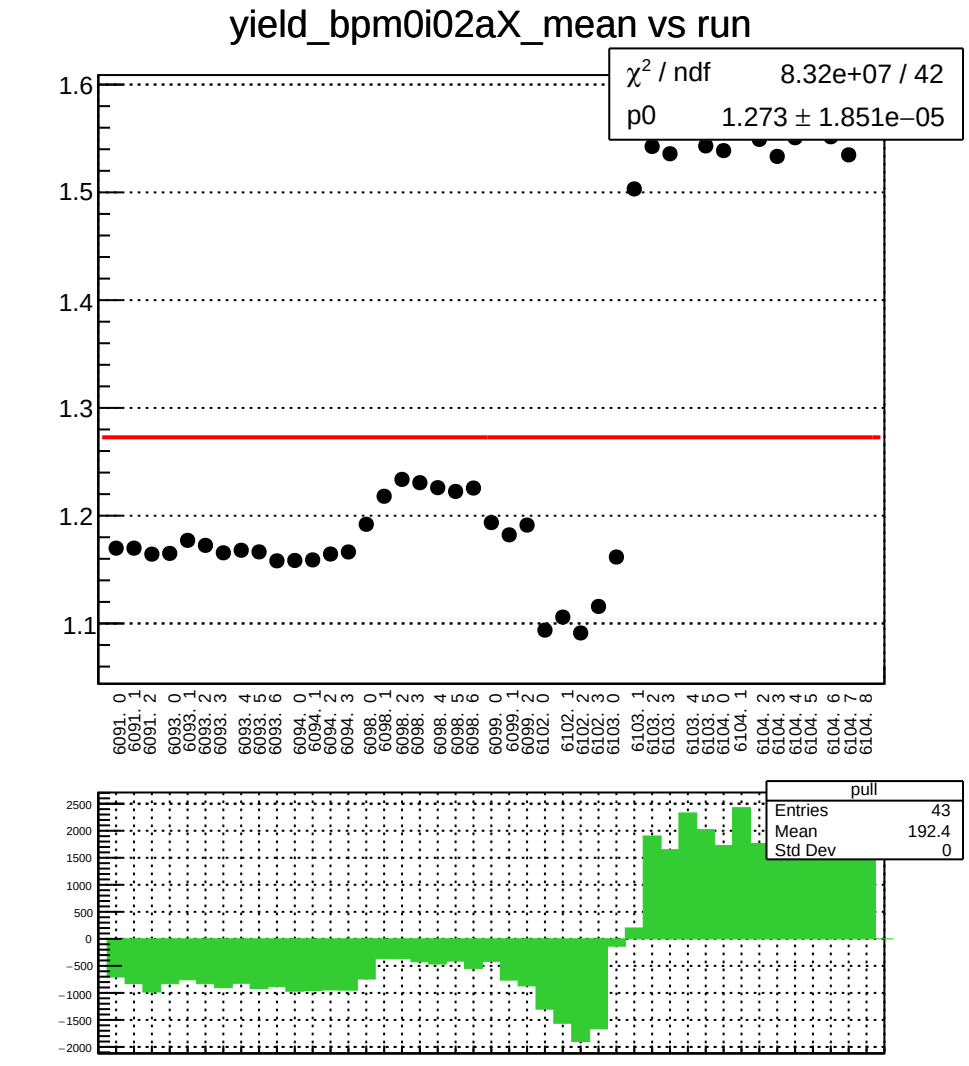

yield_bpm16Y_rms vs run
χ² / ndf 5.885e+04 / 42
p0 0.004654 ± 5.308e−06
0.012
0.011
0.01
0.009
0.008
0.007
0.006
0.005
0.004
0.003
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

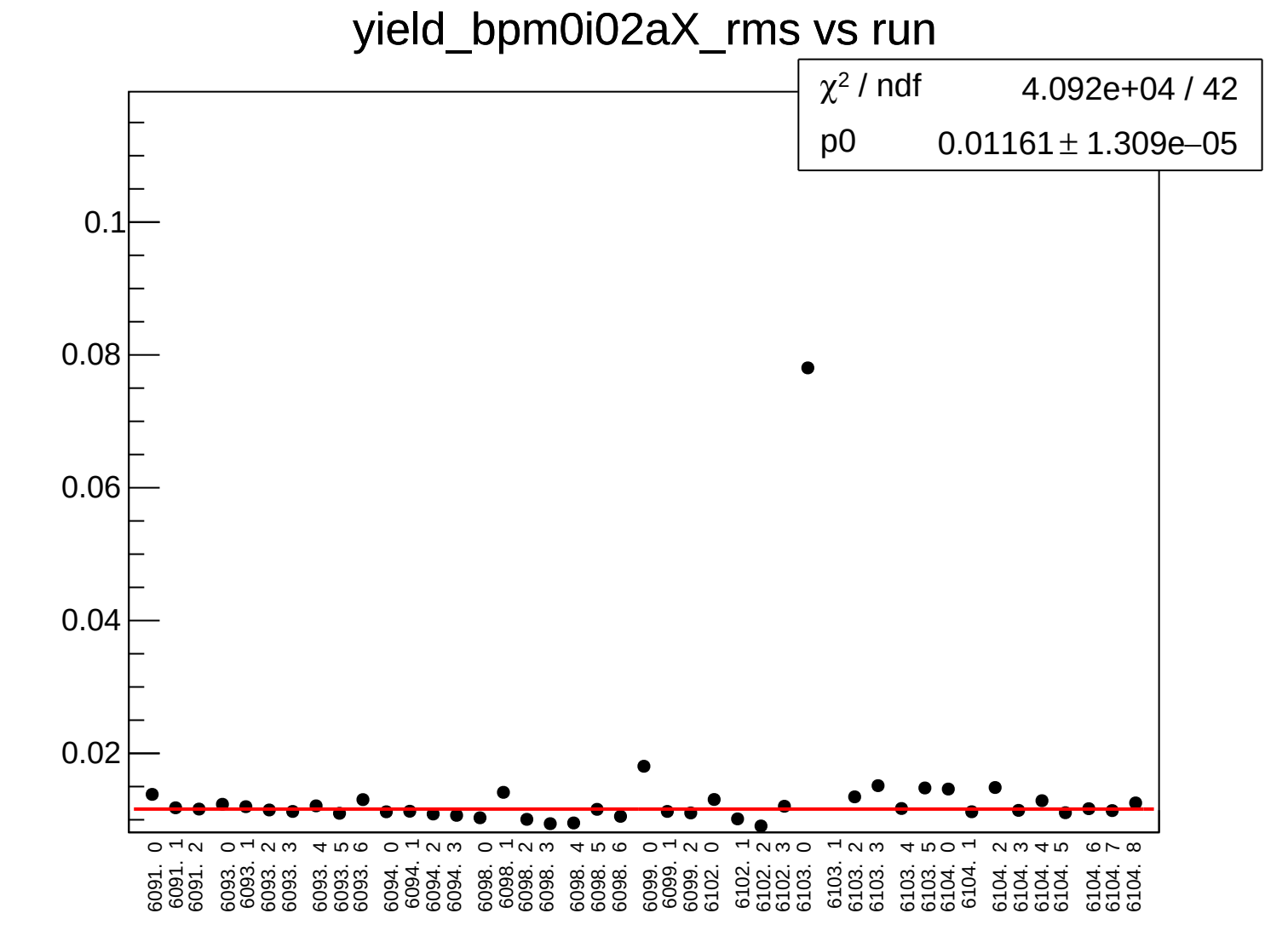

yield_bpm0i02X_mean vs run
χ² / ndf 1.128e+08 / 42
p0 −0.2843 ± 1.055e−05
−0.1
−0.15
−0.2
−0.25
−0.3
−0.35
−0.4
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 793.6
Std Dev 0
2000
1000
0
−1000
−2000
pull1D
Entries 43
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

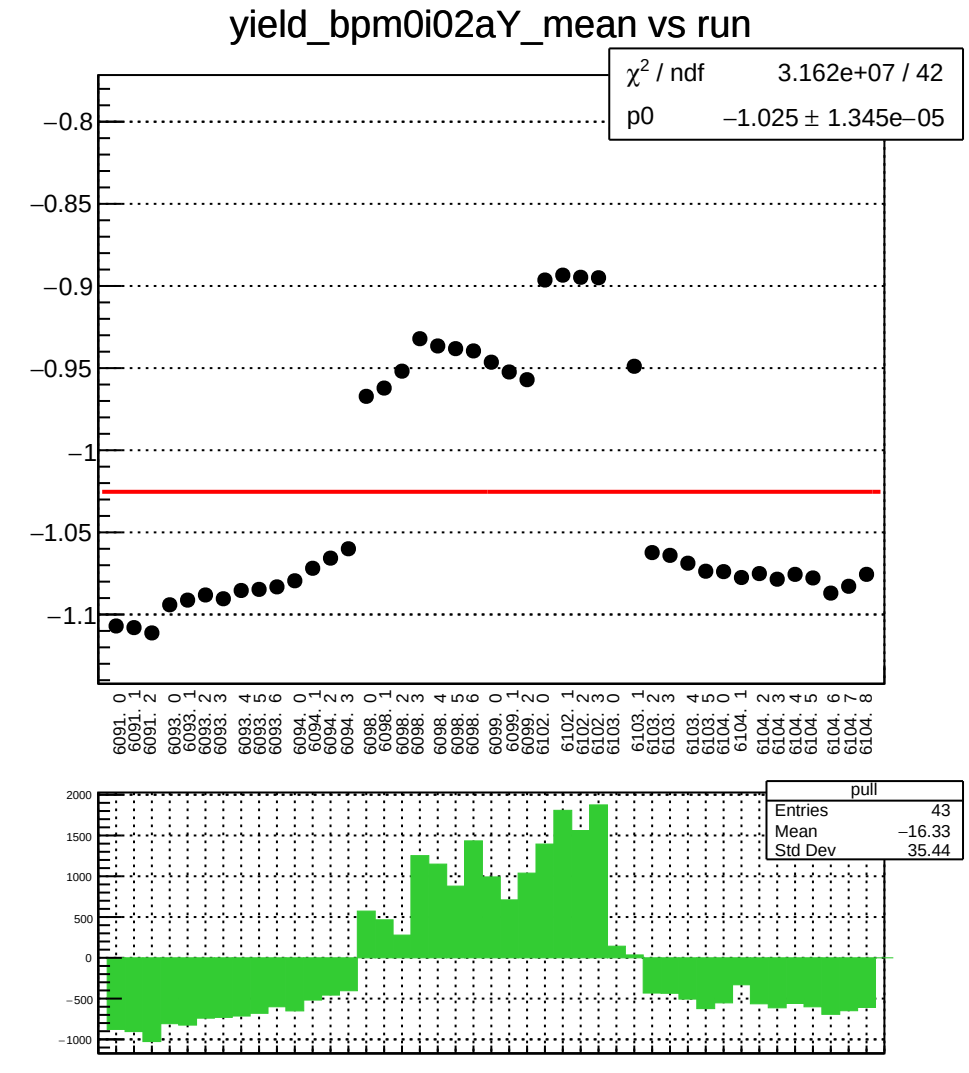

yield_bpm0i02X_rms vs run
χ² / ndf 4.246e+04 / 42
p0 0.006609 ± 7.459e−06
0.06
0.05
0.04
0.03
0.02
0.01
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

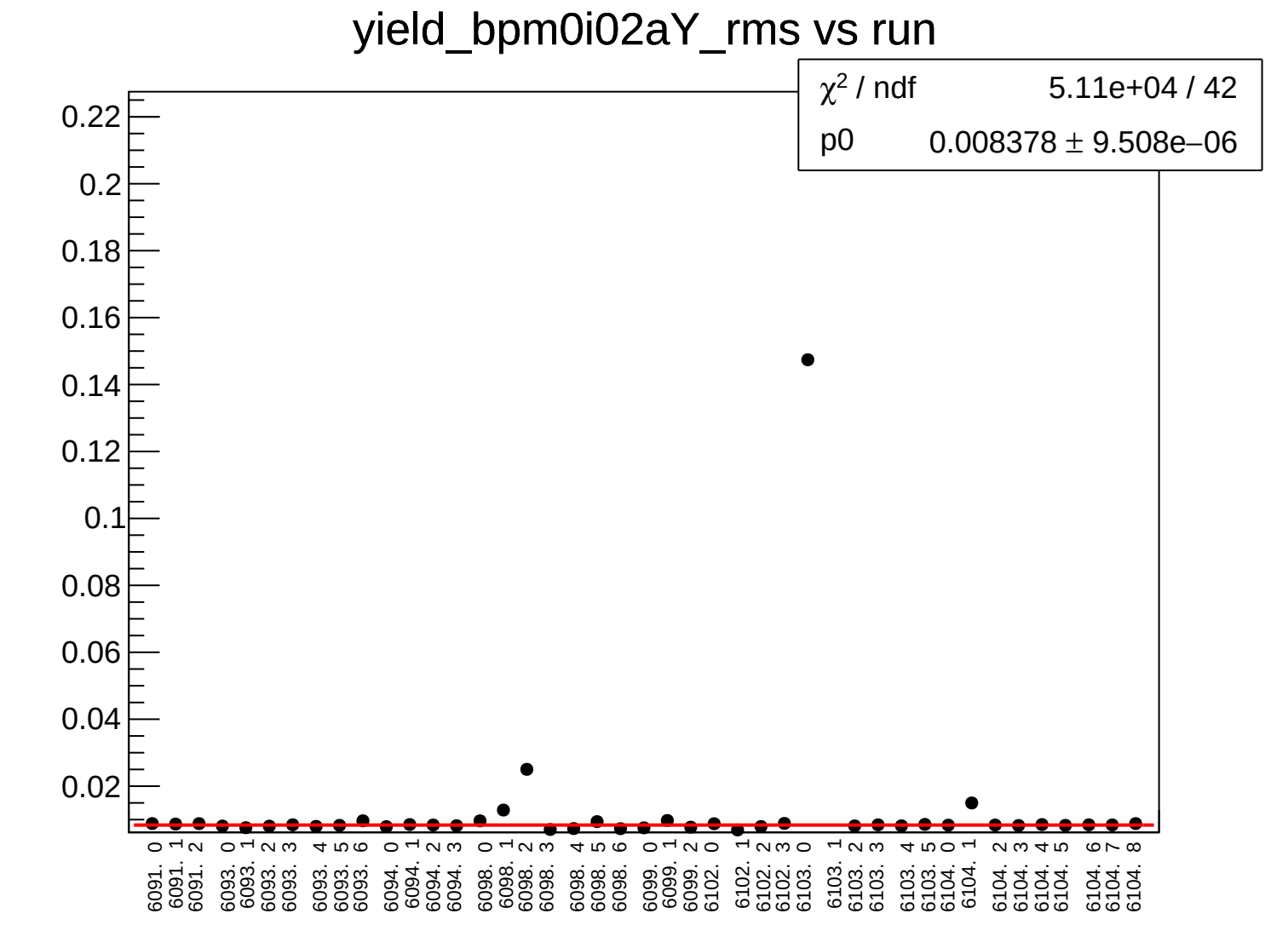

yield_bpm0i02Y_mean vs run
χ² / ndf 4.313e+07 / 42
p0 −3.896 ± 1.288e−05
−3.75
−3.8
−3.85
−3.9
−3.95
−4
−4.05
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean −164.3
Std Dev 0
1000
500
0
−500
−1000
−1500
−2000
pull1D
Entries 43
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

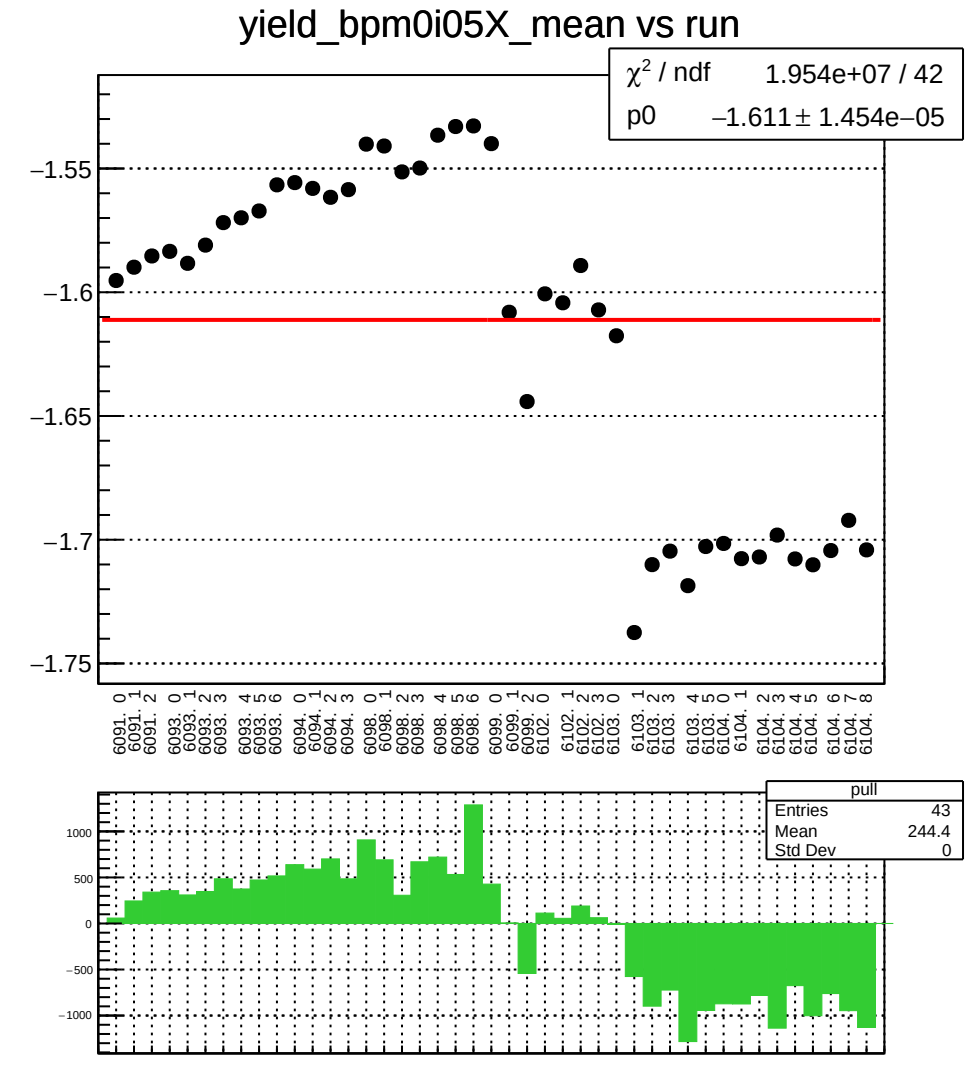

yield_bpm0i02Y_rms vs run
χ² / ndf 4.716e+04 / 42
p0 0.008049 ± 9.111e−06
0.18
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

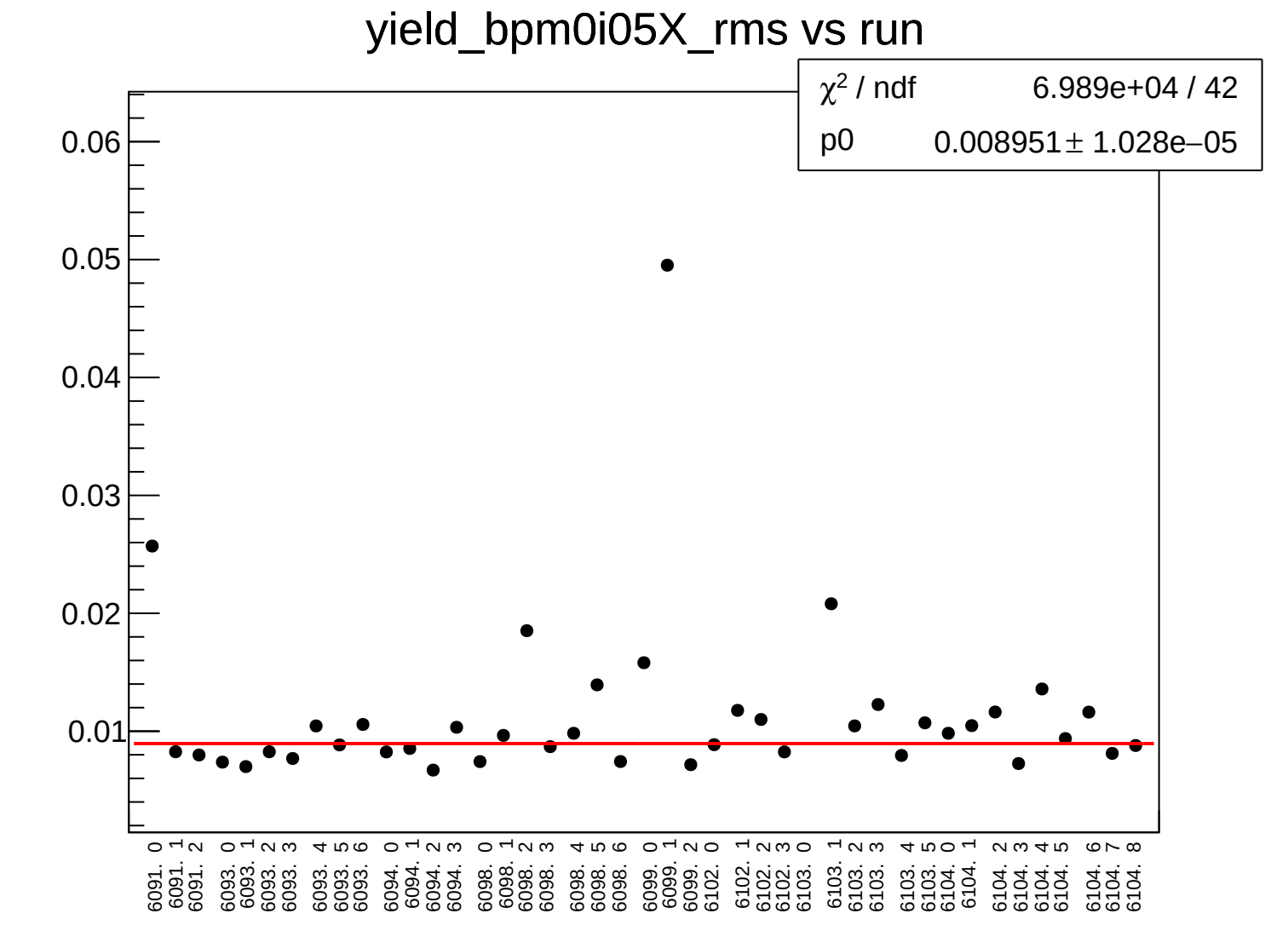

yield_bpm0i02aX_mean vs run
χ² / ndf 8.32e+07 / 42
p0 1.273 ± 1.851e−05
1.6
1.5
1.4
1.3
1.2
1.1
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 192.4
Std Dev 0
2500
2000
1500
1000
500
0
−500
−1000
−1500
−2000
pull1D
Entries 43
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

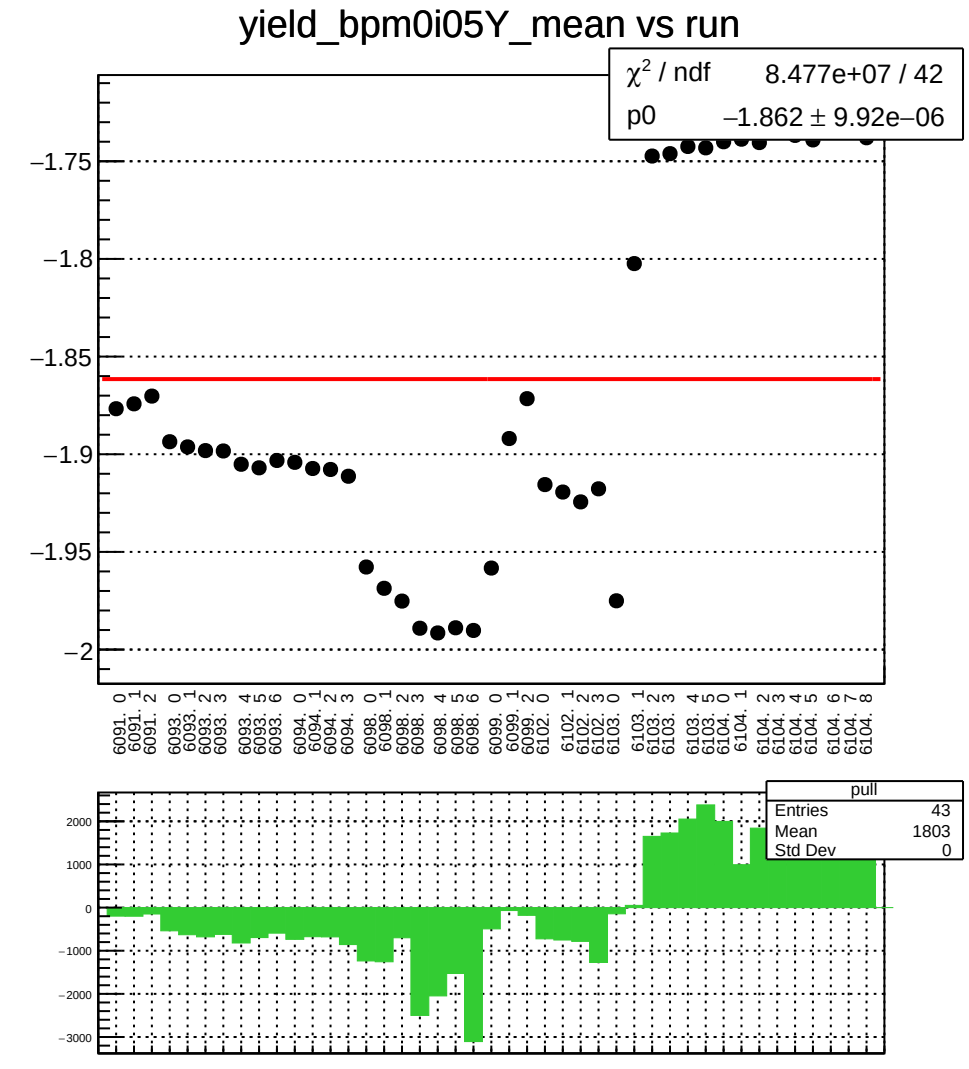

yield_bpm0i02aX_rms vs run
χ² / ndf 4.092e+04 / 42
p0 0.01161 ± 1.309e–05
0.1
0.08
0.06
0.04
0.02
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

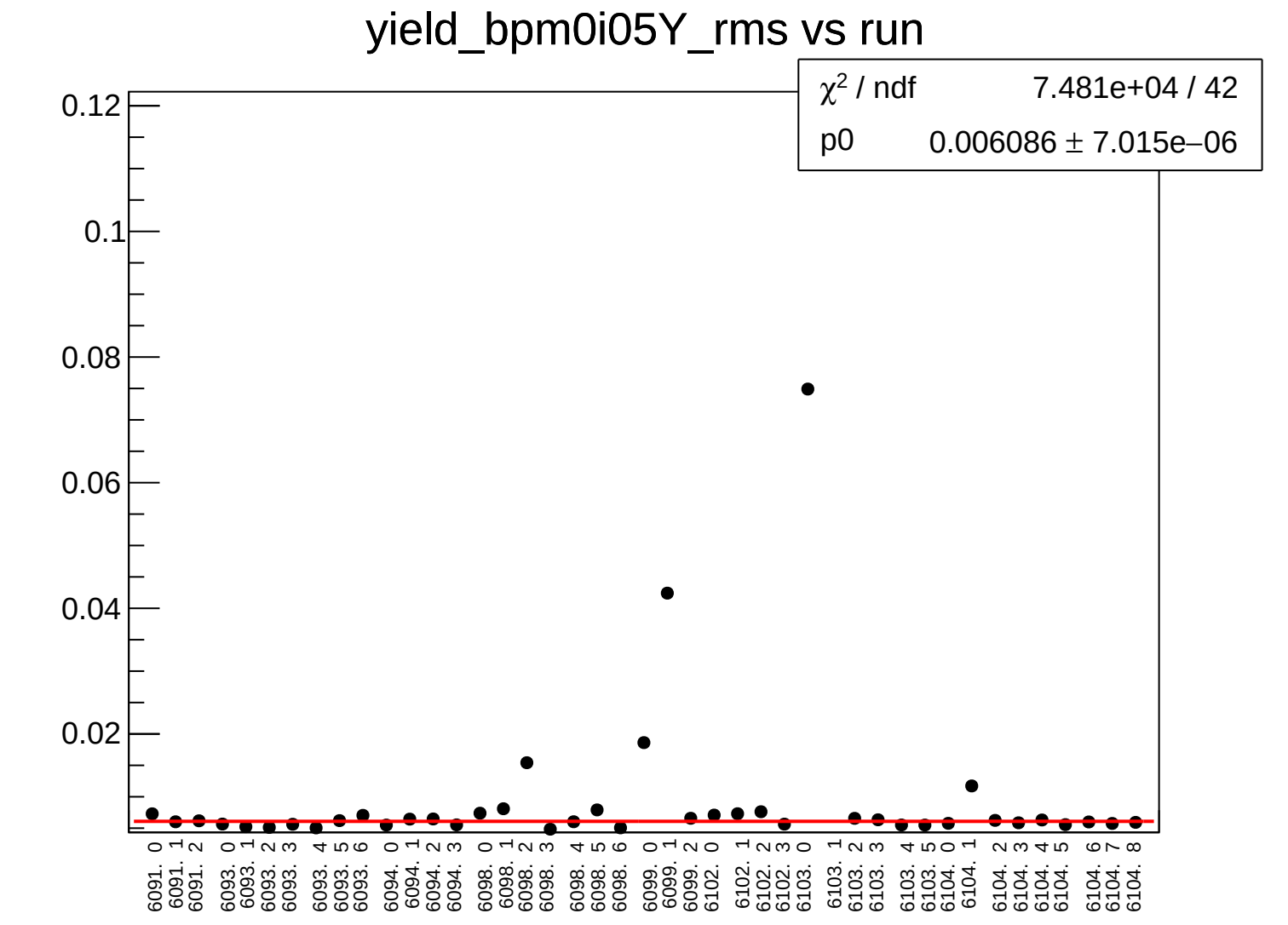

yield_bpm0i02aY_mean vs run
χ² / ndf 3.162e+07 / 42
p0 −1.025 ± 1.345e−05
−0.8
−0.85
−0.9
−0.95
−1
−1.05
−1.1
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
2000
1500
1000
500
0
−500
−1000
pull
Entries 43
Mean −16.33
Std Dev 35.44
pull1D
Entries 43
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

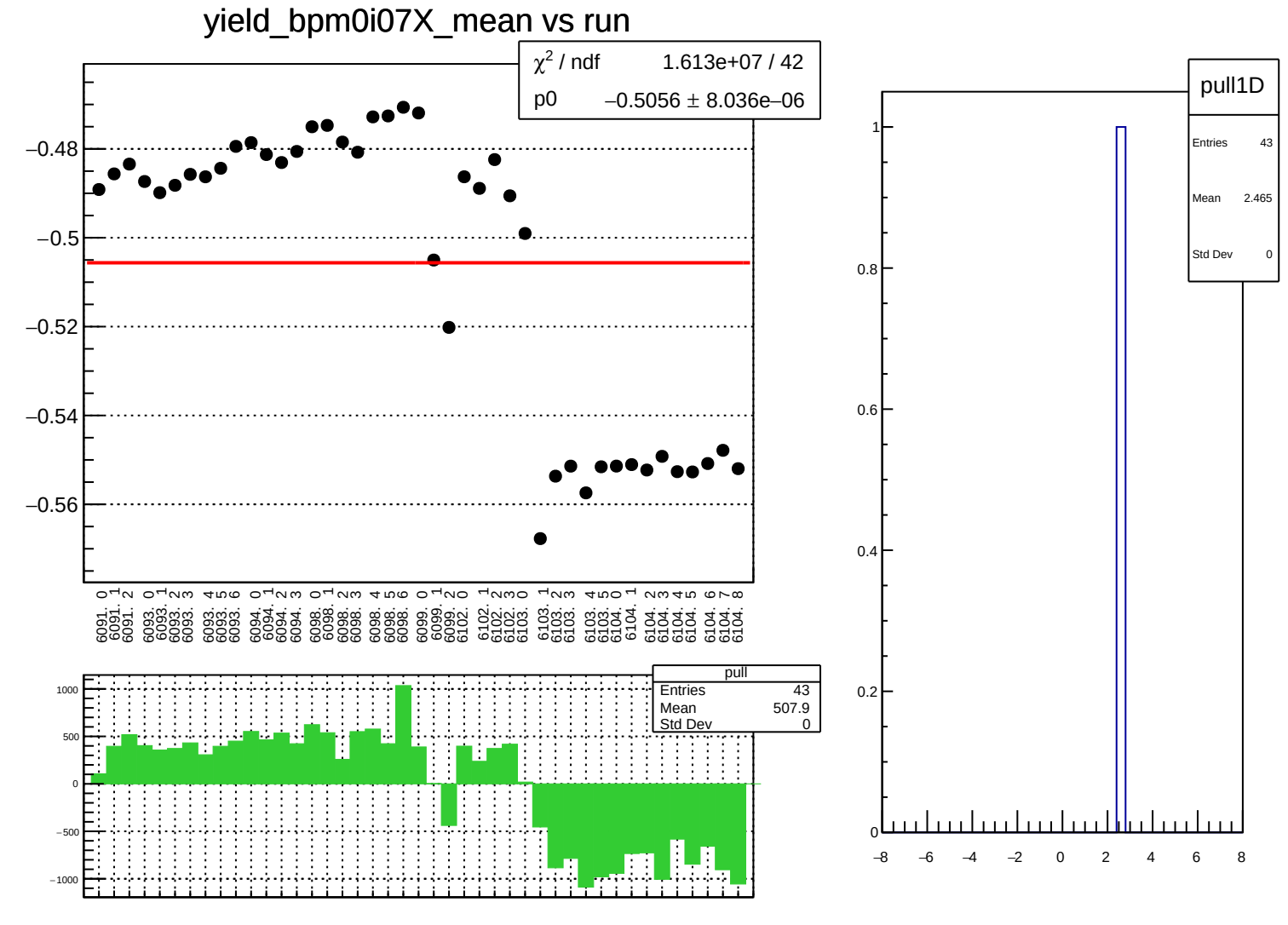

yield_bpm0i02aY_rms vs run
χ² / ndf 5.11e+04 / 42
p0 0.008378 ± 9.508e−06
0.22
0.2
0.18
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

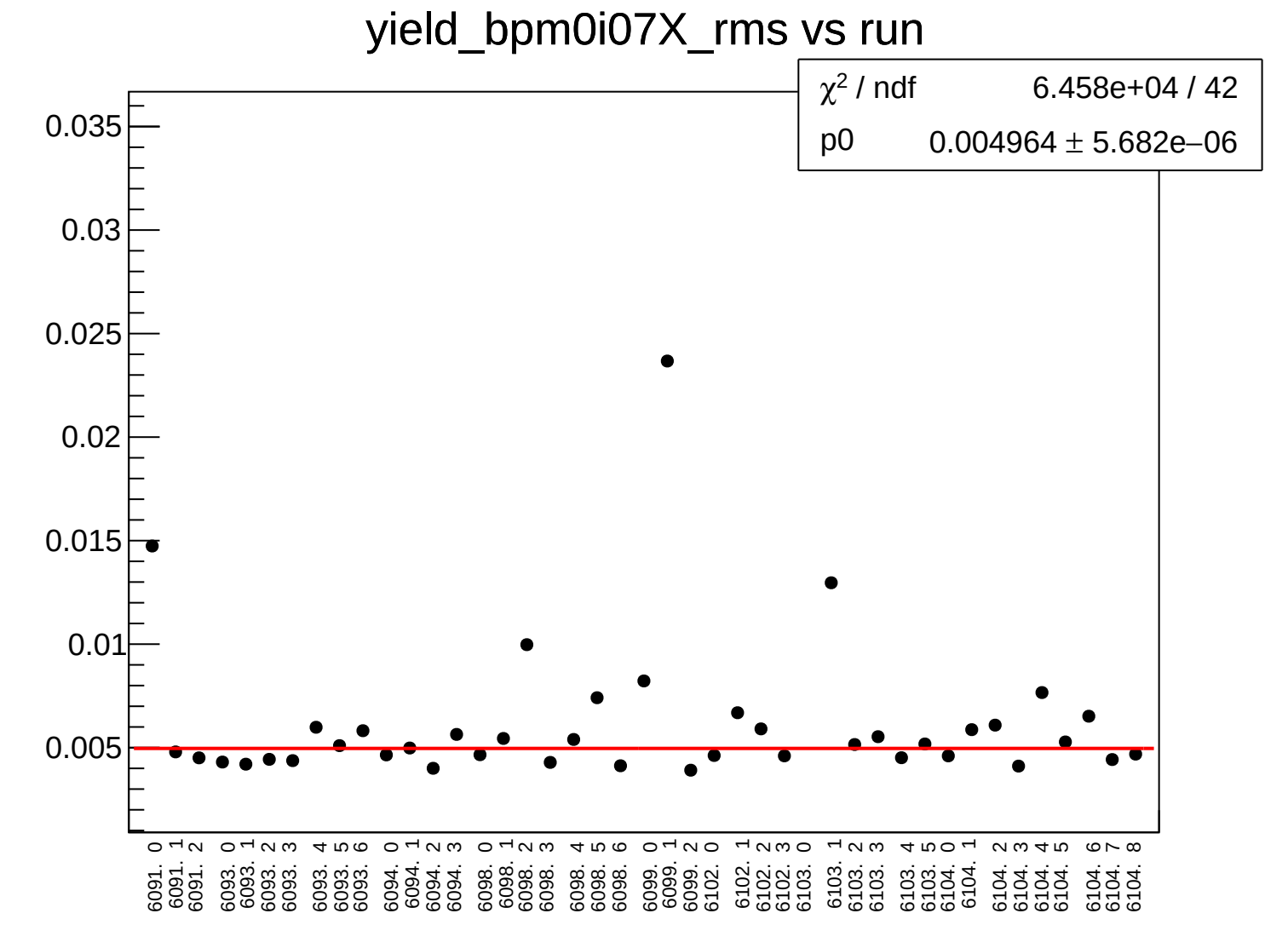

yield_bpm0i05X_mean vs run
χ² / ndf 1.954e+07 / 42
p0 −1.611 ± 1.454e−05
−1.55
−1.6
−1.65
−1.7
−1.75
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 244.4
Std Dev 0
1000
500
0
−500
−1000
pull1D
Entries 43
Mean 5.915
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

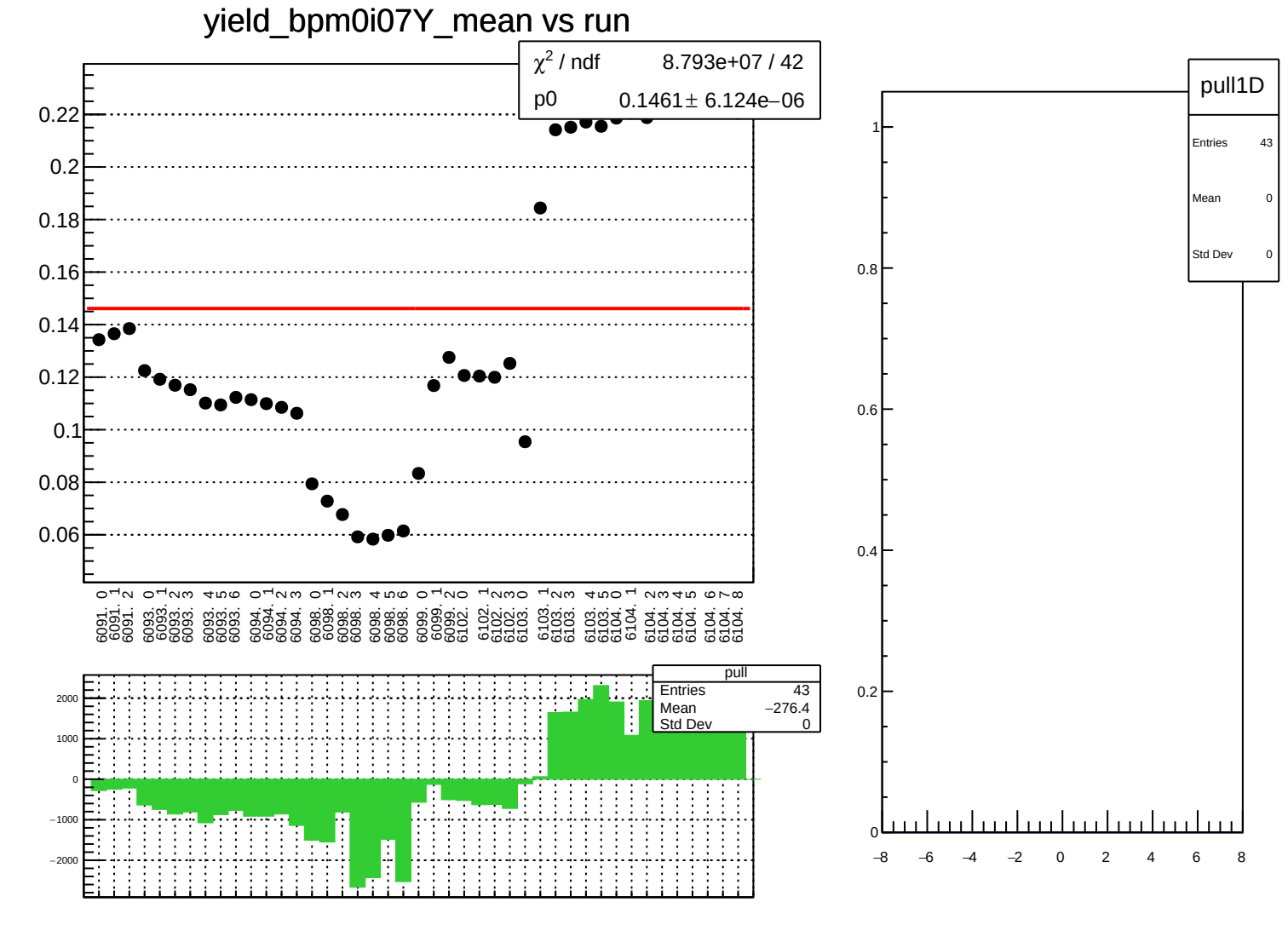

yield_bpm0i05X_rms vs run
χ² / ndf 6.989e+04 / 42
p0 0.008951 ± 1.028e−05
0.06
0.05
0.04
0.03
0.02
0.01
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

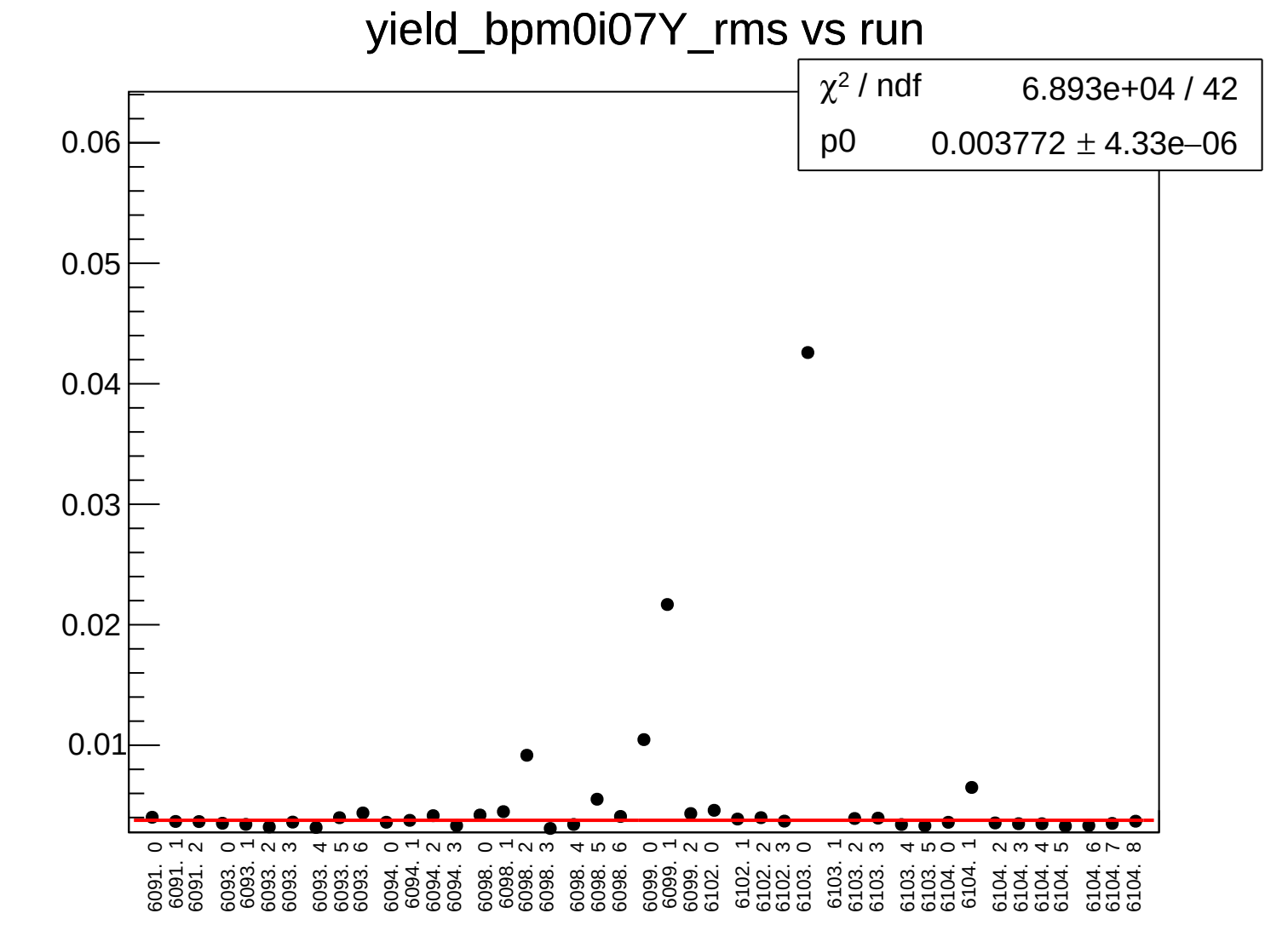

yield_bpm0i05Y_mean vs run
χ² / ndf 8.477e+07 / 42
p0 −1.862 ± 9.92e−06
−1.75
−1.8
−1.85
−1.9
−1.95
−2
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 1803
Std Dev 0
2000
1000
0
−1000
−2000
−3000
pull1D
Entries 43
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

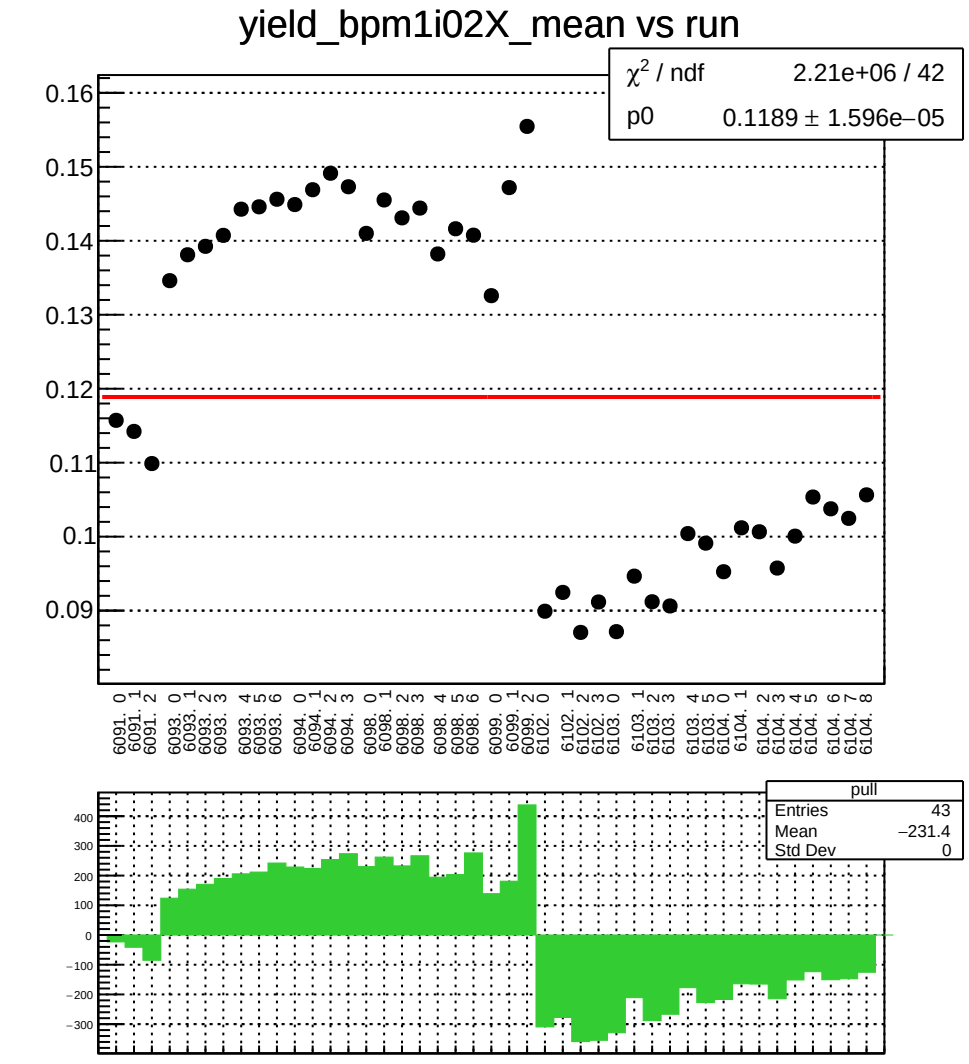

yield_bpm0i05Y_rms vs run
χ² / ndf 7.481e+04 / 42
p0 0.006086 ± 7.015e−06
0.12
0.1
0.08
0.06
0.04
0.02
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

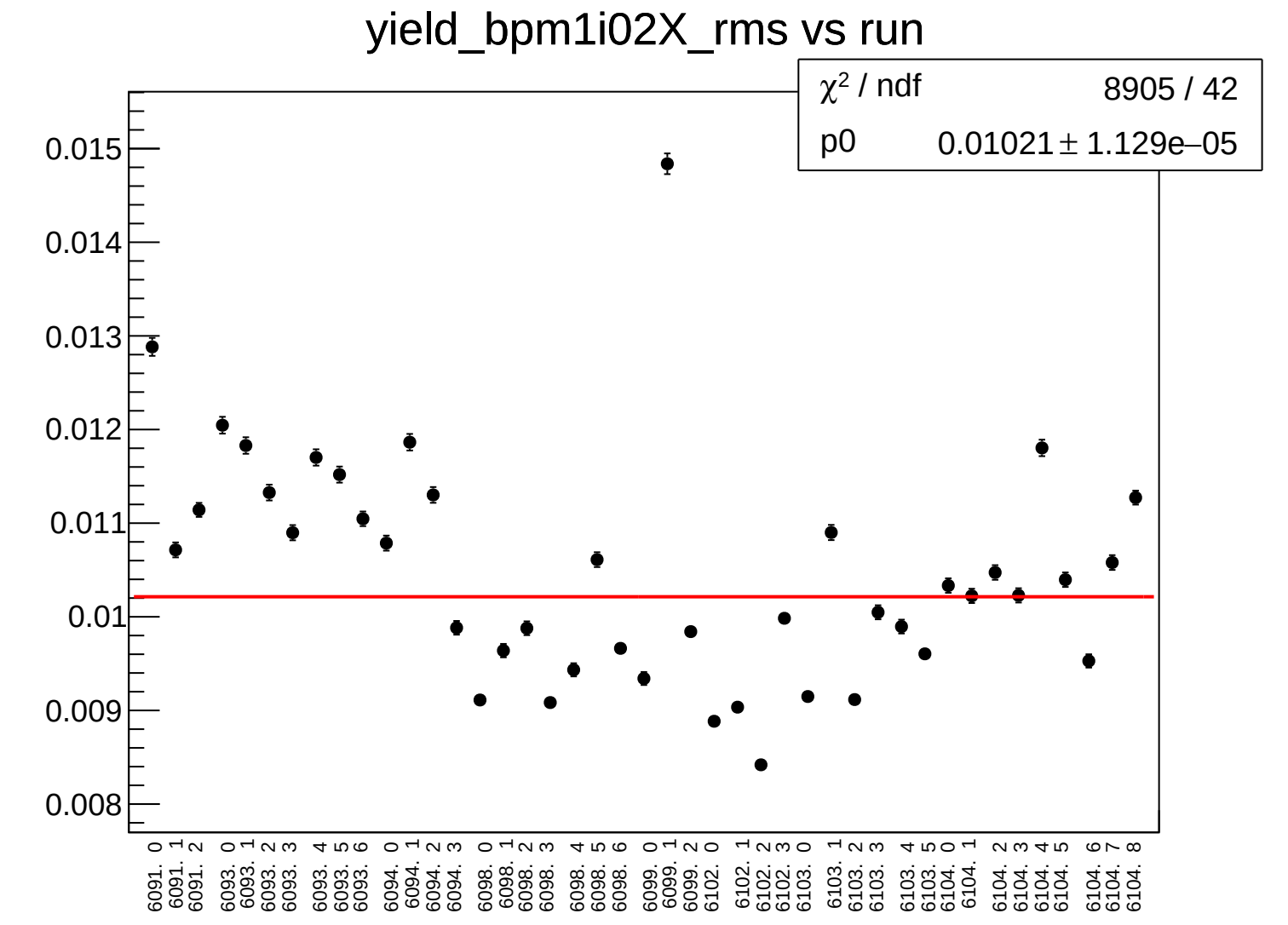

yield_bpm0i07X_mean vs run
χ² / ndf 1.613e+07 / 42
p0 −0.5056 ± 8.036e−06
−0.48
−0.5
−0.52
−0.54
−0.56
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 507.9
Std Dev 0
1000
500
0
−500
−1000
pull1D
Entries 43
Mean 2.465
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

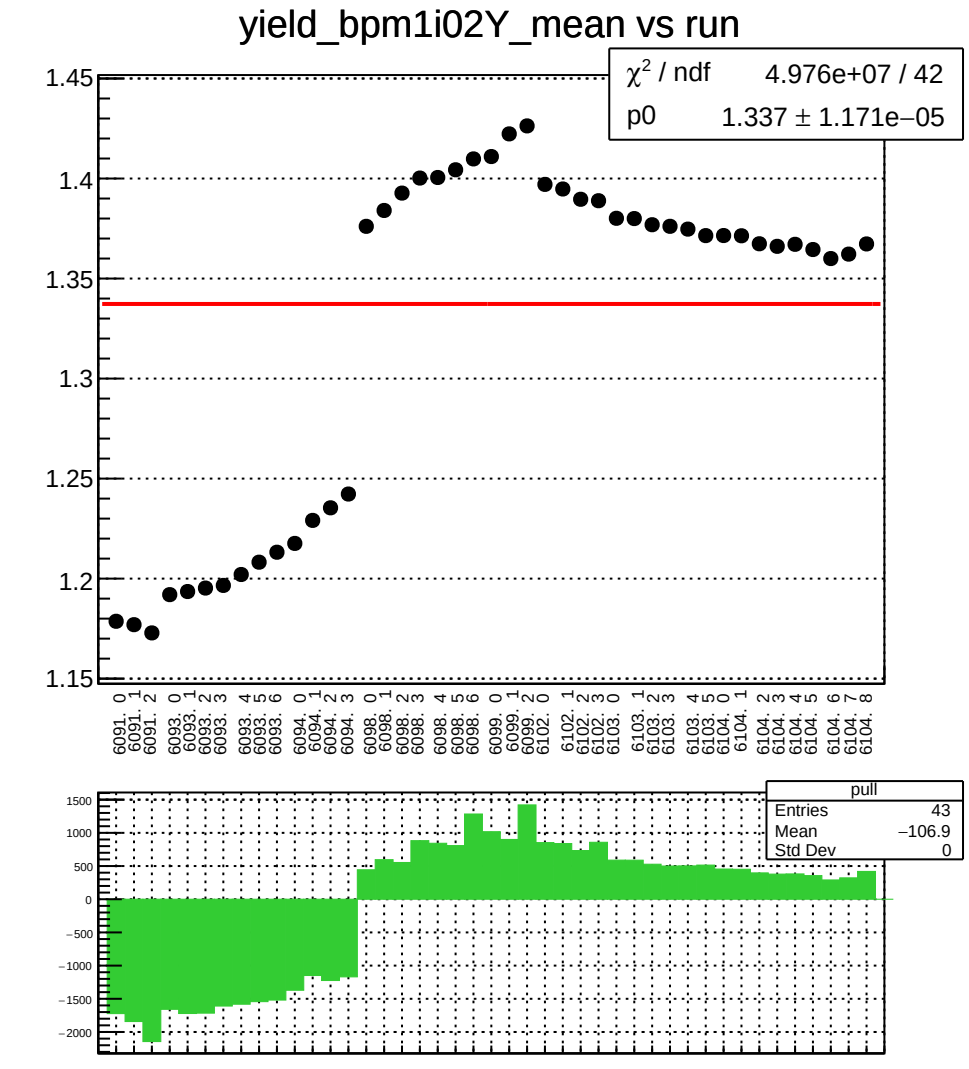

yield_bpm0i07X_rms vs run
χ² / ndf 6.458e+04 / 42
p0 0.004964 ± 5.682e−06
0.035
0.03
0.025
0.02
0.015
0.01
0.005
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

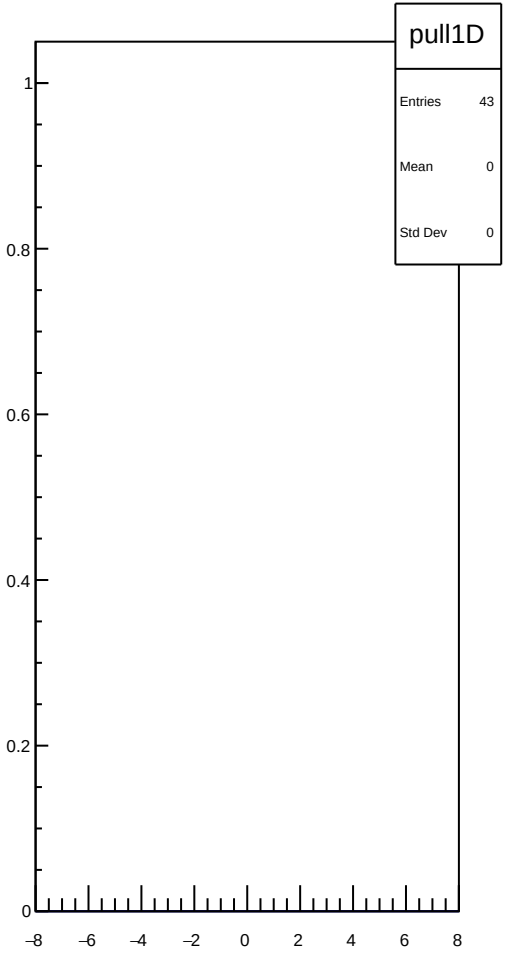

yield_bpm0i07Y_mean vs run
χ² / ndf 8.793e+07 / 42
p0 0.1461 ± 6.124e−06
0.22
0.2
0.18
0.16
0.14
0.12
0.1
0.08
0.06
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean −276.4
Std Dev 0
2000
1000
0
−1000
−2000
pull1D
Entries 43
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

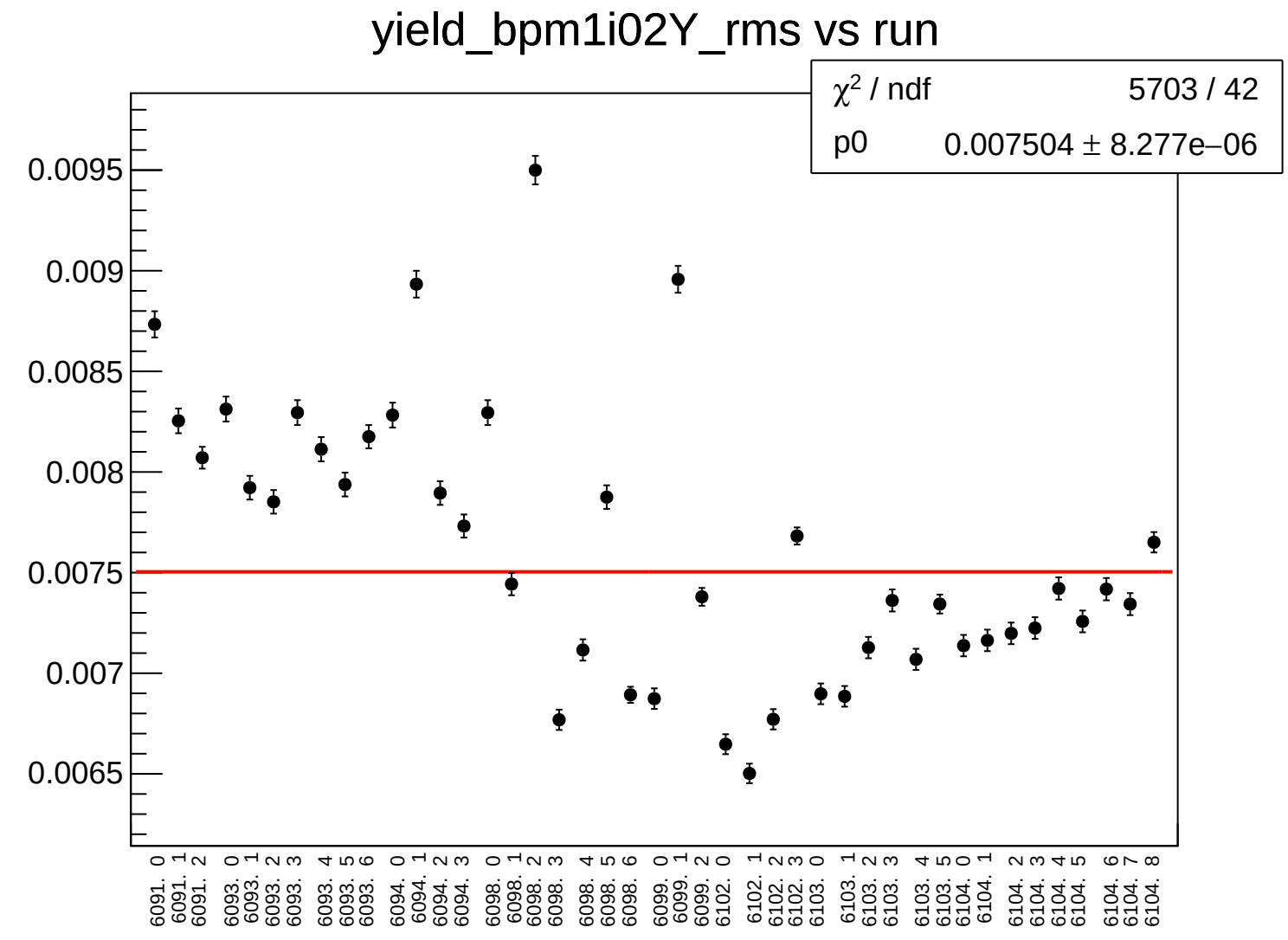

yield_bpm0i07Y_rms vs run
χ² / ndf 6.893e+04 / 42
p0 0.003772 ± 4.33e–06
0.06
0.05
0.04
0.03
0.02
0.01
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

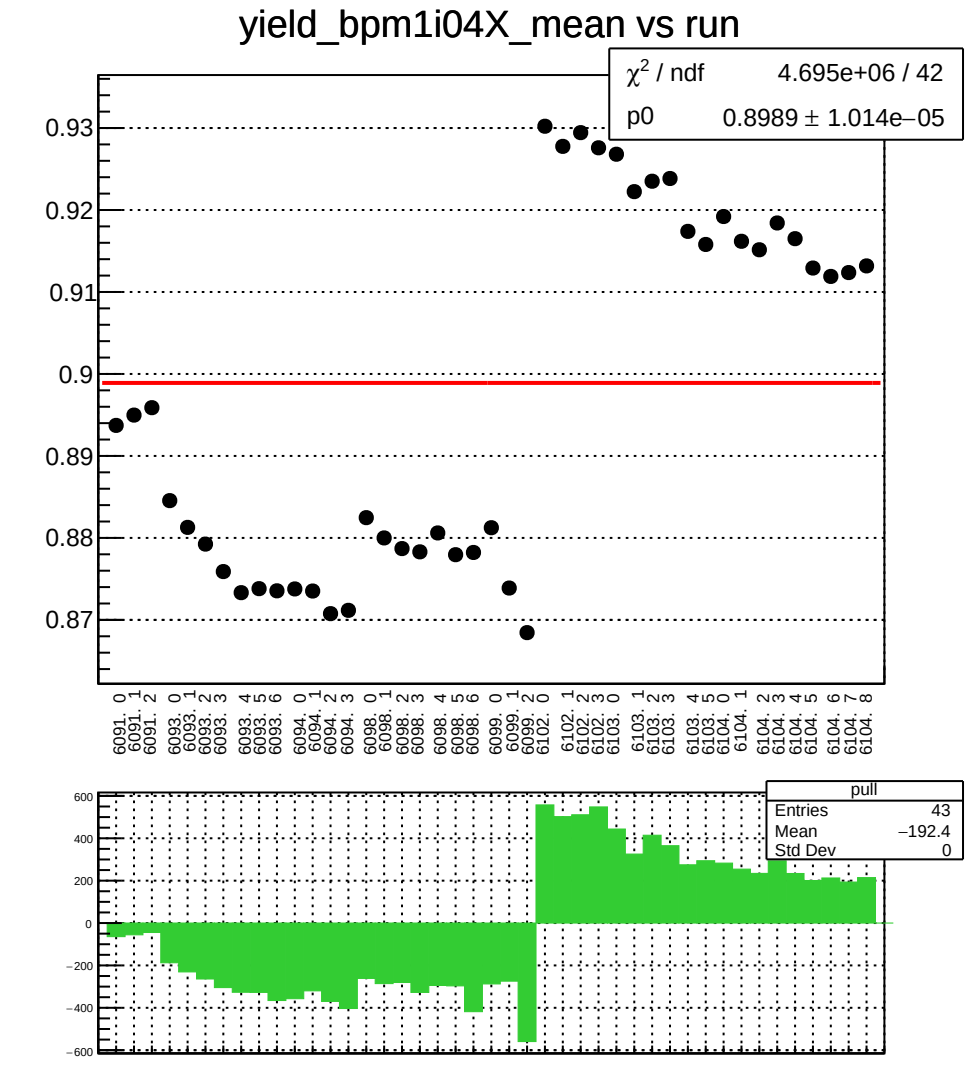

yield_bpm1i02X_mean vs run
χ² / ndf 2.21e+06 / 42
p0 0.1189 ± 1.596e−05
0.16
0.15
0.14
0.13
0.12
0.11
0.1
0.09
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean −231.4
Std Dev 0
400
300
200
100
0
−100
−200
−300
pull1D
Entries 43
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

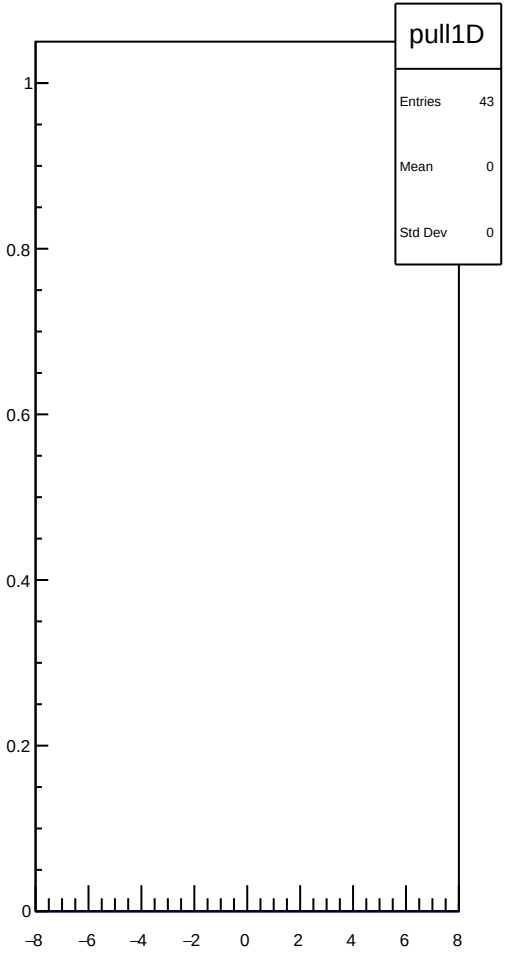

yield_bpm1i02X_rms vs run
χ² / ndf 8905 / 42
p0 0.01021 ± 1.129e–05
0.015
0.014
0.013
0.012
0.011
0.01
0.009
0.008
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

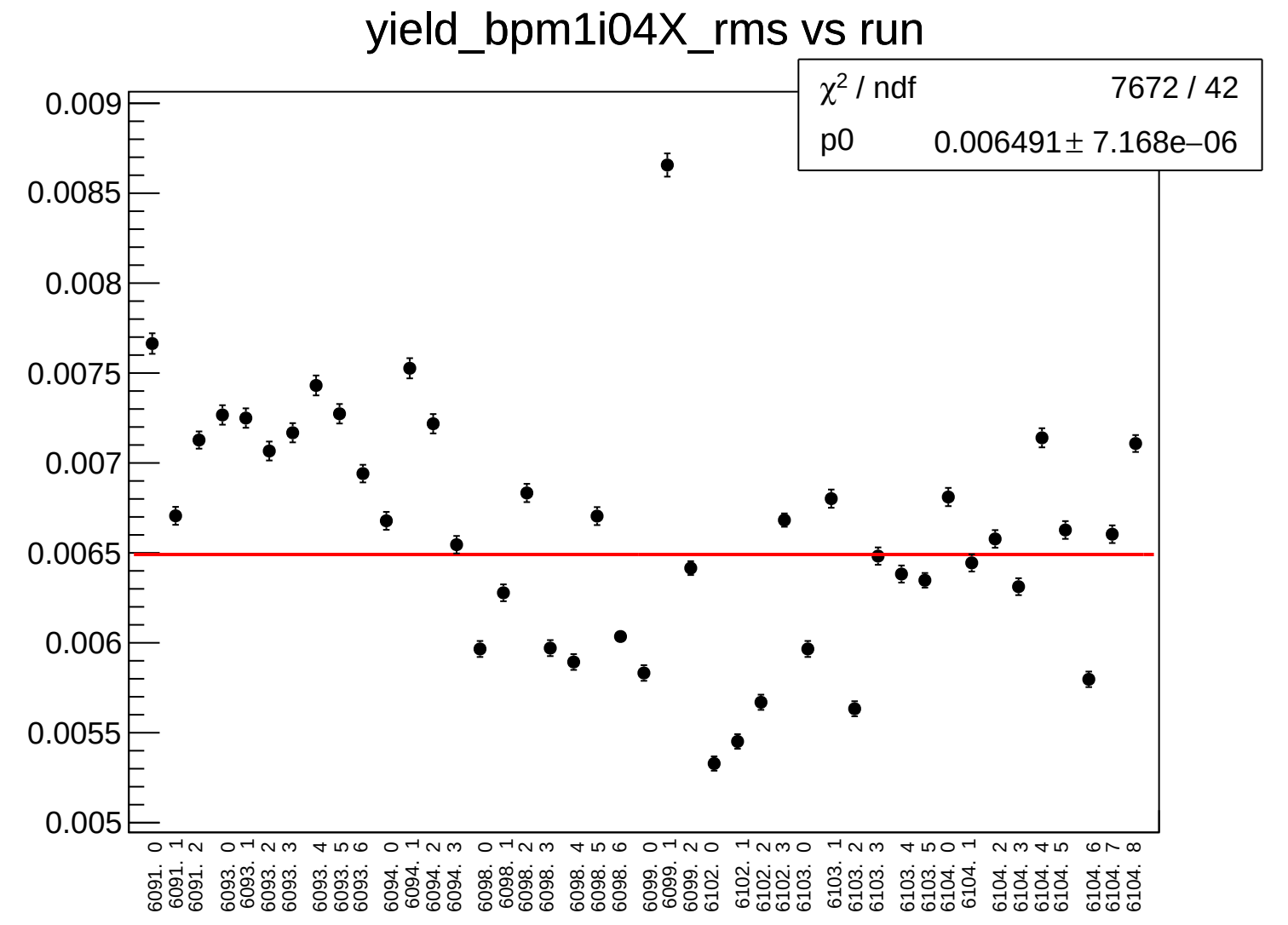

yield_bpm1i02Y_mean vs run
χ² / ndf 4.976e+07 / 42
p0 1.337 ± 1.171e−05
1.45
1.4
1.35
1.3
1.25
1.2
1.15
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean −106.9
Std Dev 0
1500
1000
500
0
−500
−1000
−1500
−2000

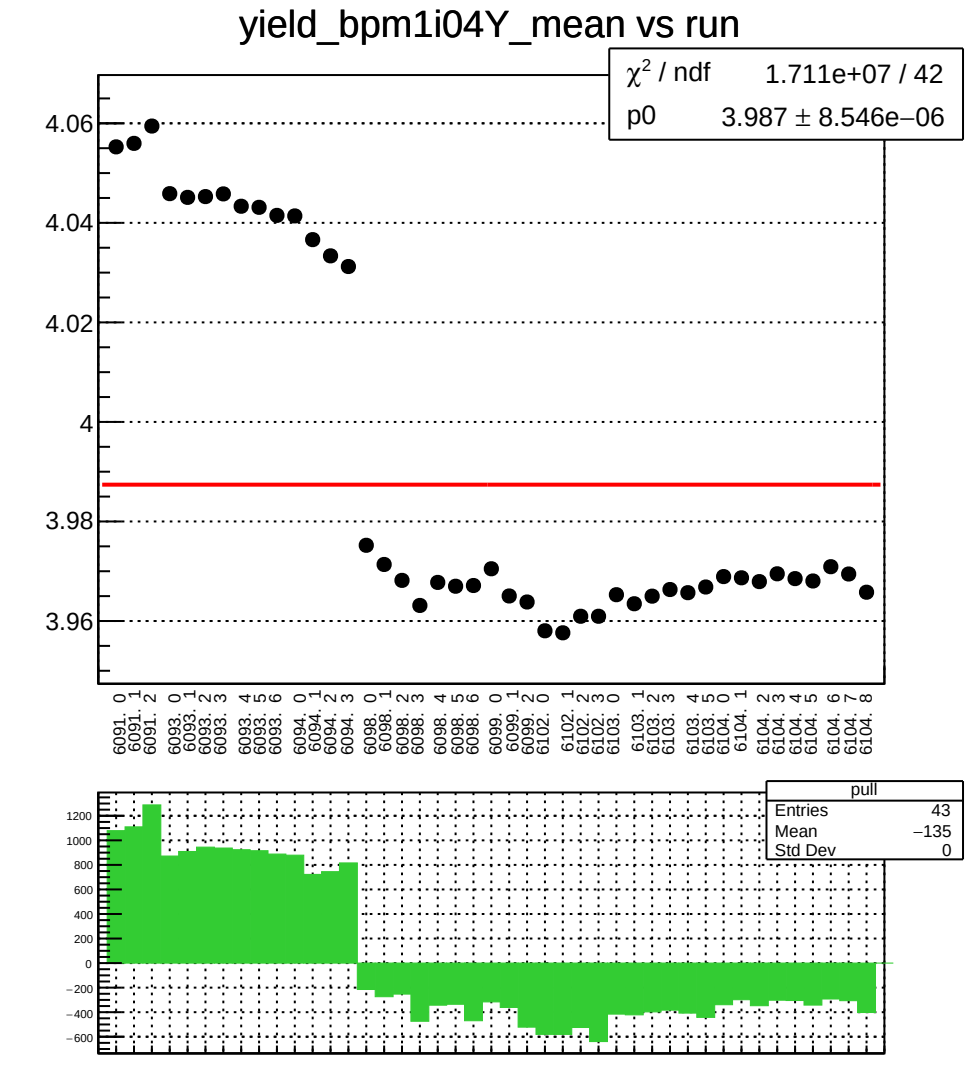

pull1D
Entries 43
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

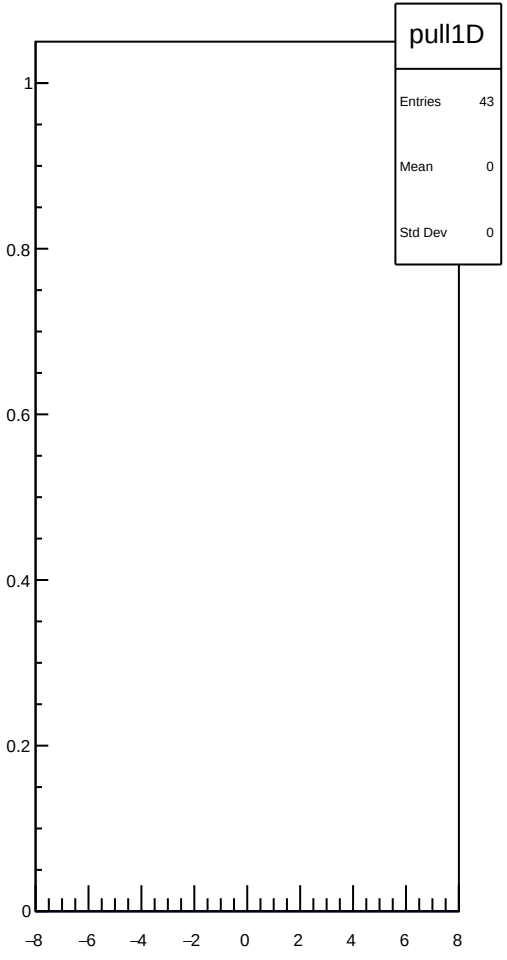

yield_bpm1i02Y_rms vs run
χ² / ndf 5703 / 42
p0 0.007504 ± 8.277e−06
0.0095
0.009
0.0085
0.008
0.0075
0.007
0.0065
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

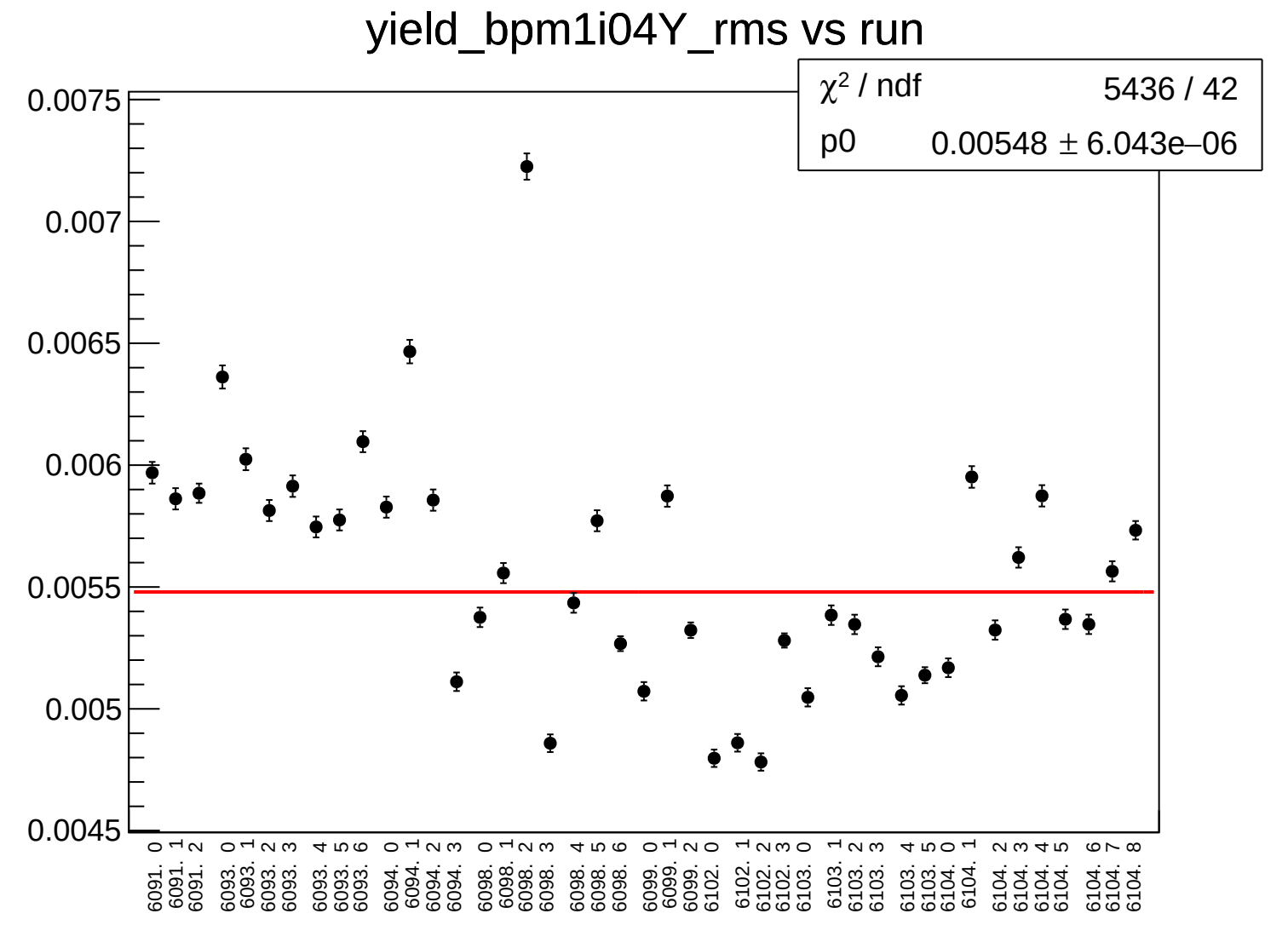

yield_bpm1i04X_mean vs run
χ² / ndf 4.695e+06 / 42
p0 0.8989 ± 1.014e−05
0.93
0.92
0.91
0.9
0.89
0.88
0.87
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean −192.4
Std Dev 0
600
400
200
0
−200
−400
−600

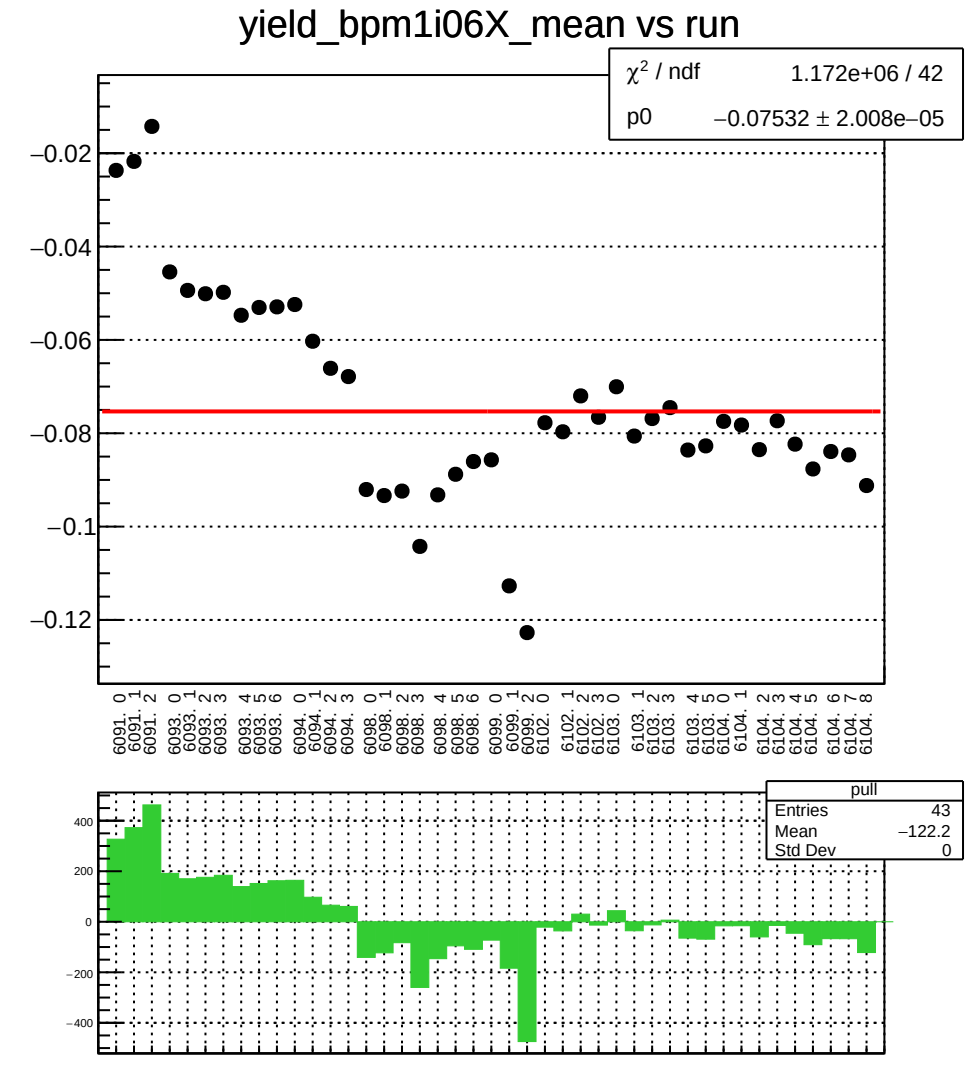

pull1D
Entries 43
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

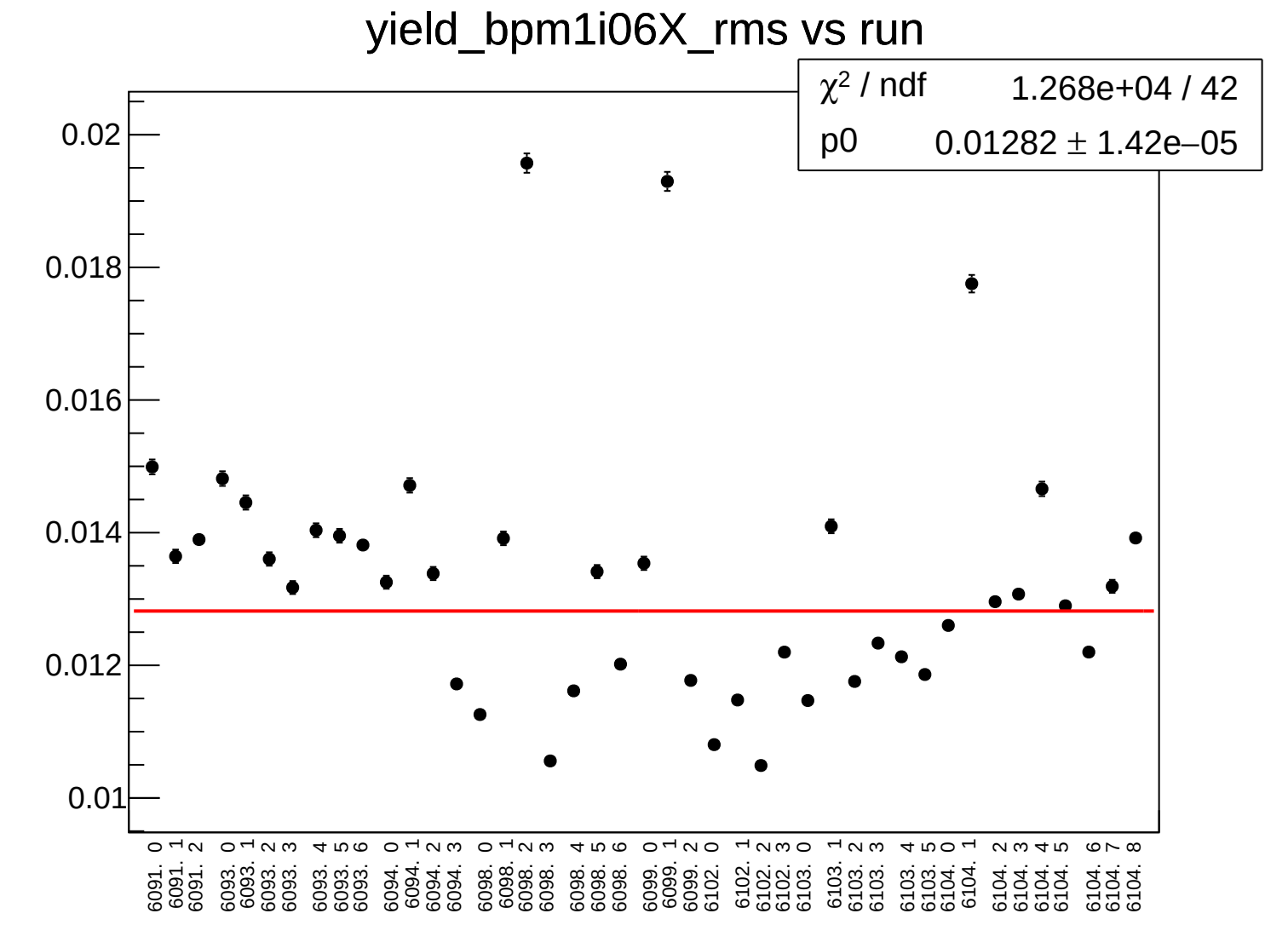

yield_bpm1i04X_rms vs run
χ² / ndf 7672 / 42
p0 0.006491 ± 7.168e−06
0.009
0.0085
0.008
0.0075
0.007
0.0065
0.006
0.0055
0.005
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

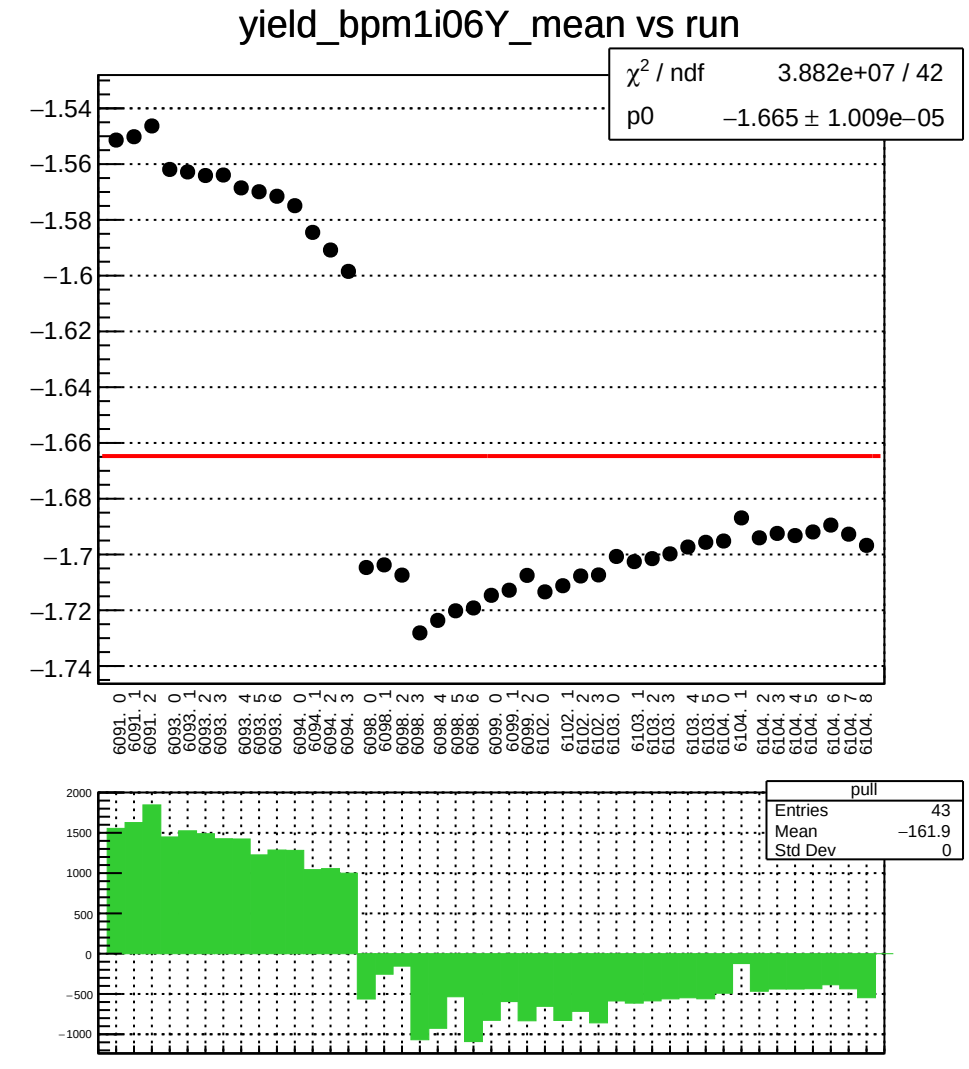

yield_bpm1i04Y_mean vs run
χ² / ndf 1.711e+07 / 42
p0 3.987 ± 8.546e−06
4.06
4.04
4.02
4
3.98
3.96
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean −135
Std Dev 0
1200
1000
800
600
400
200
0
−200
−400
−600

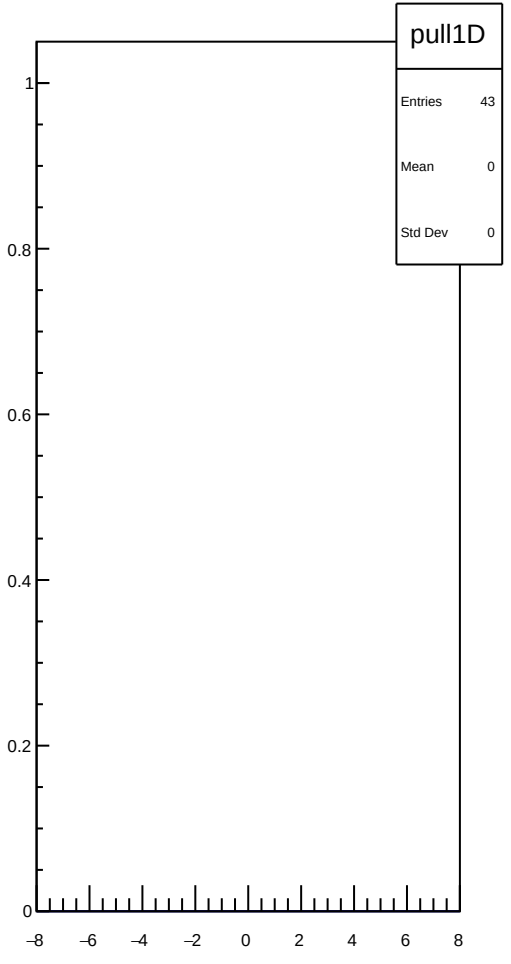

pull1D
Entries 43
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

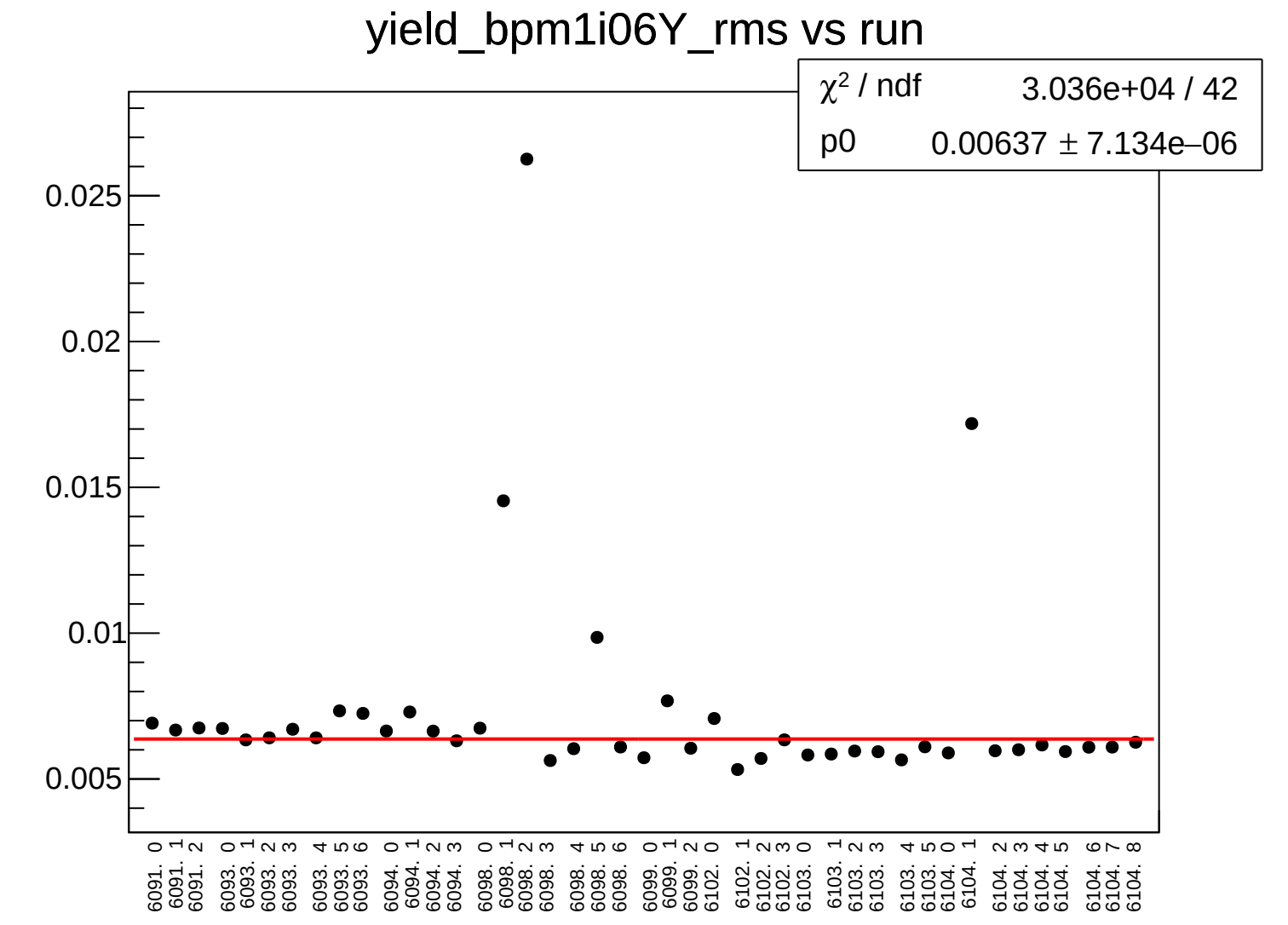

yield_bpm1i04Y_rms vs run
χ² / ndf 5436 / 42
p0 0.00548 ± 6.043e–06
0.0075
0.007
0.0065
0.006
0.0055
0.005
0.0045
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

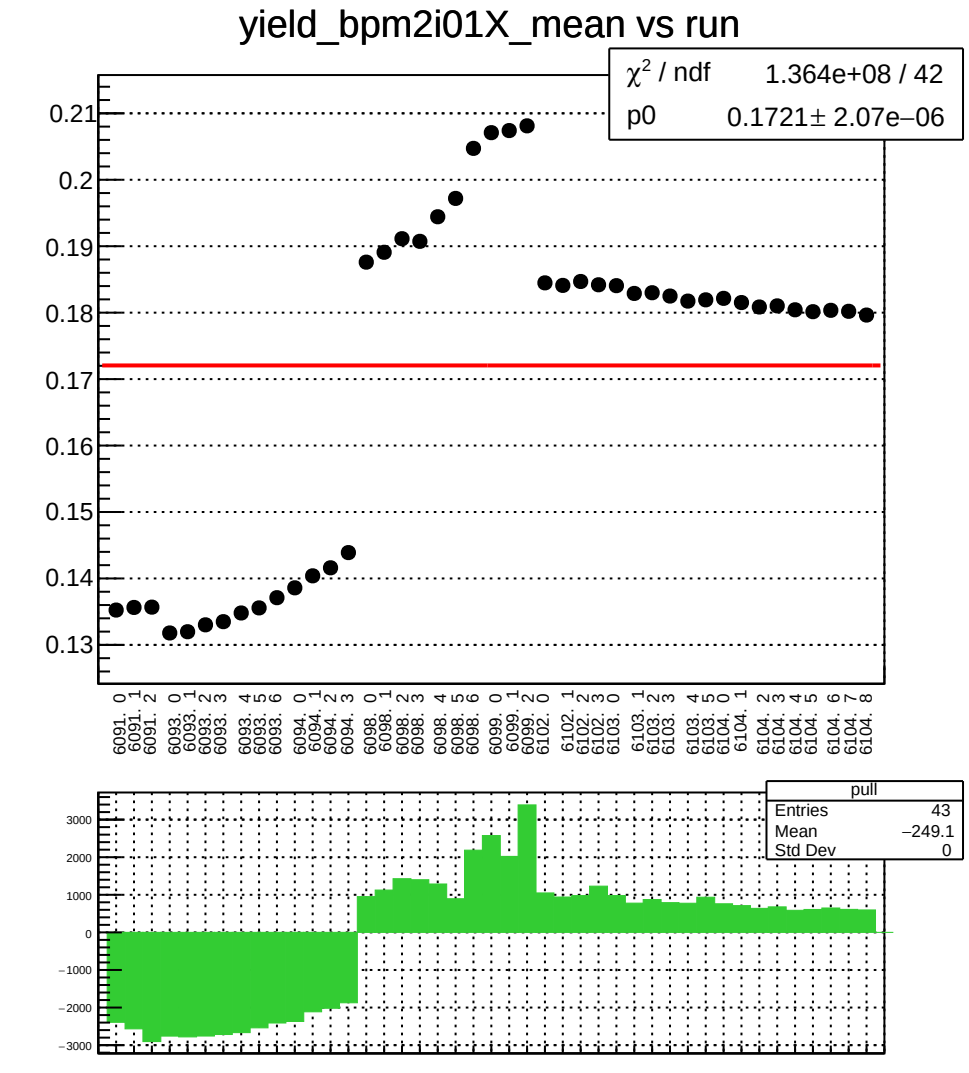

yield_bpm1i06X_mean vs run
χ² / ndf 1.172e+06 / 42
p0 −0.07532 ± 2.008e−05
−0.02
−0.04
−0.06
−0.08
−0.1
−0.12
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean −122.2
Std Dev 0
400
200
0
−200
−400
pull1D
Entries 43
Mean 6.29
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

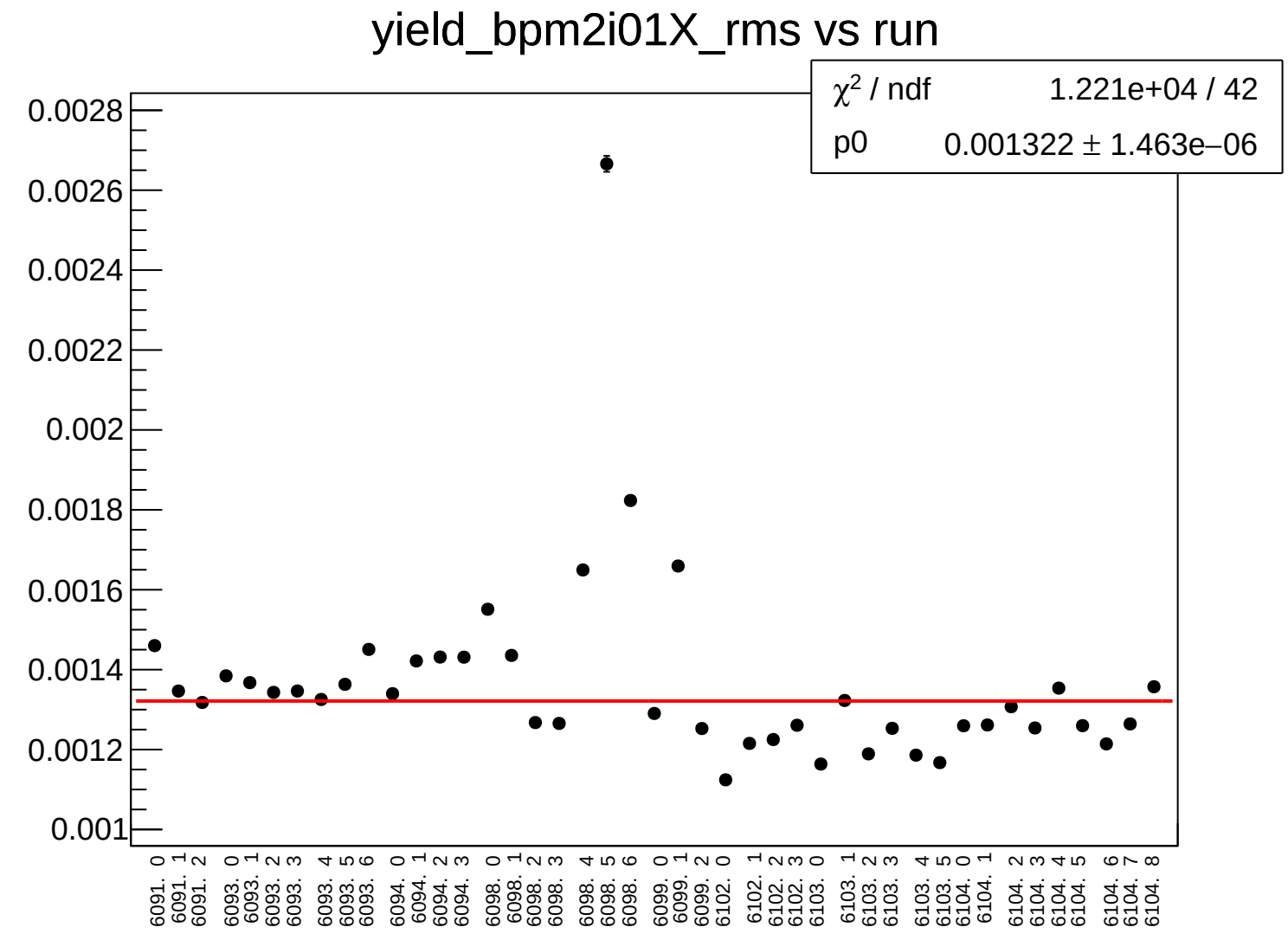

yield_bpm1i06X_rms vs run
χ² / ndf 1.268e+04 / 42
p0 0.01282 ± 1.42e−05
0.02
0.018
0.016
0.014
0.012
0.01
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

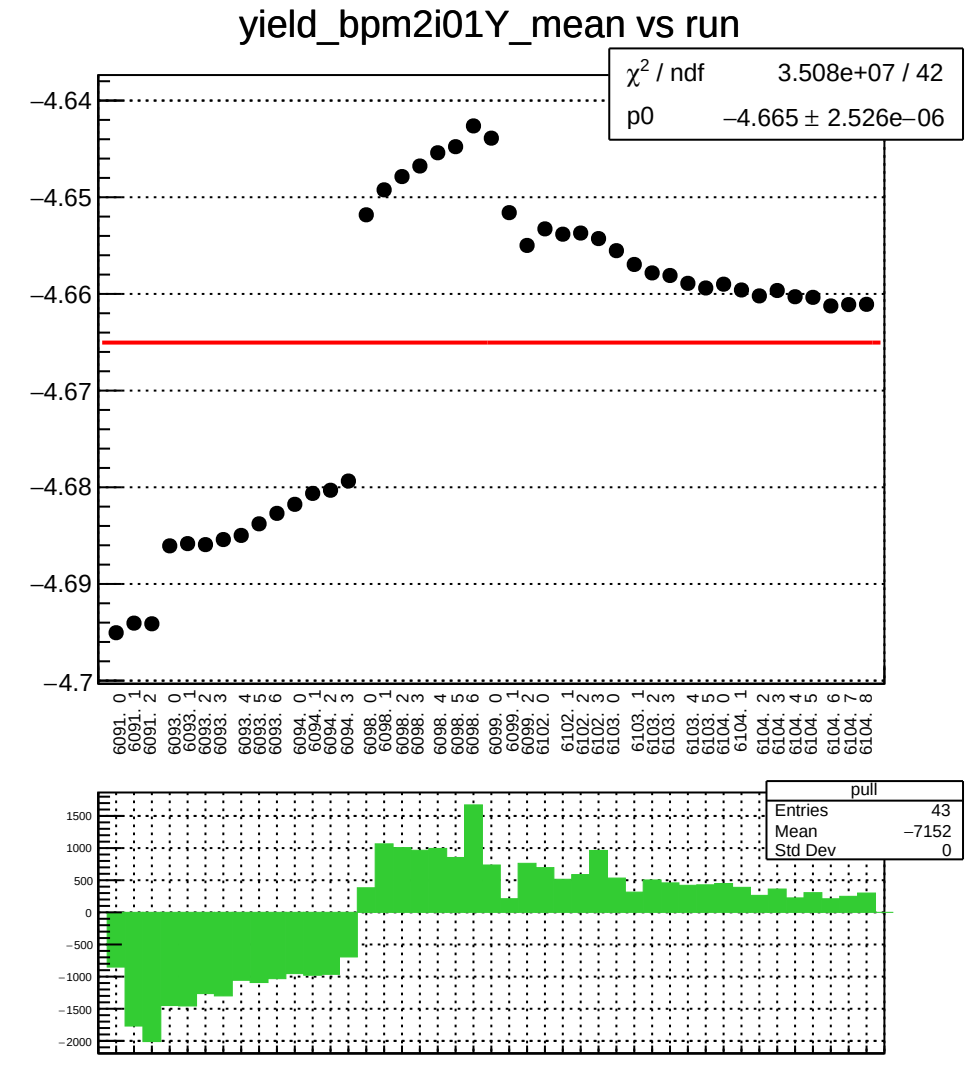

yield_bpm1i06Y_mean vs run
χ² / ndf 3.882e+07 / 42
p0 −1.665 ± 1.009e−05
pull
Entries 43
Mean −161.9
Std Dev 0

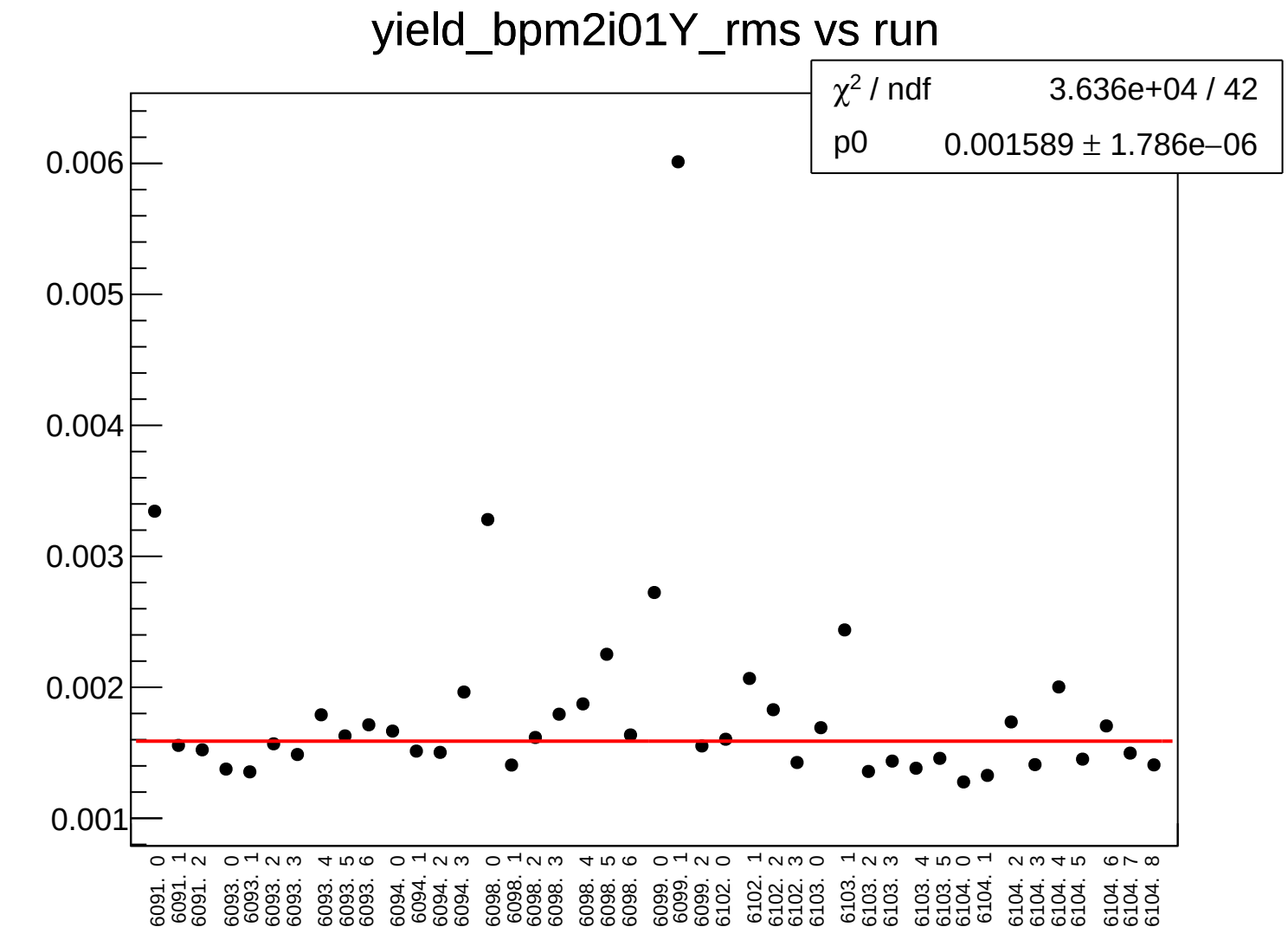

pull1D
Entries 43
Mean 0
Std Dev 0

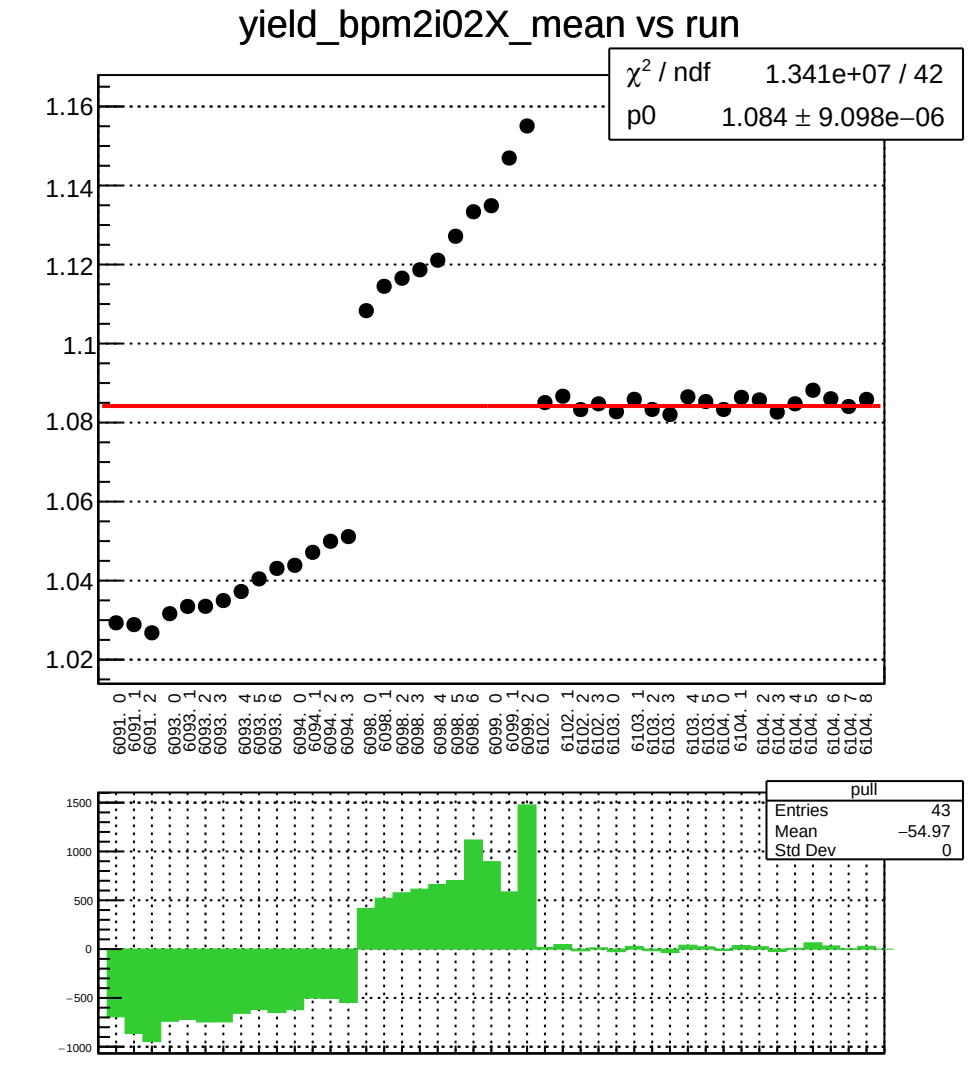

yield_bpm1i06Y_rms vs run
χ² / ndf 3.036e+04 / 42
p0 0.00637 ± 7.134e–06
0.025
0.02
0.015
0.01
0.005
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

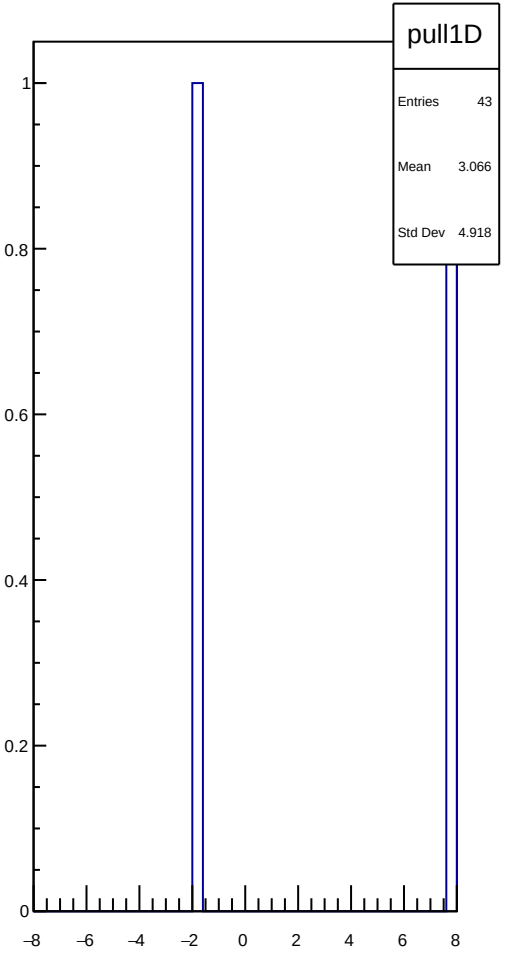

yield_bpm2i01X_mean vs run
χ² / ndf 1.364e+08 / 42
p0 0.1721± 2.07e−06
0.21
0.2
0.19
0.18
0.17
0.16
0.15
0.14
0.13
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean −249.1
Std Dev 0
3000
2000
1000
0
−1000
−2000
−3000
pull1D
Entries 43
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

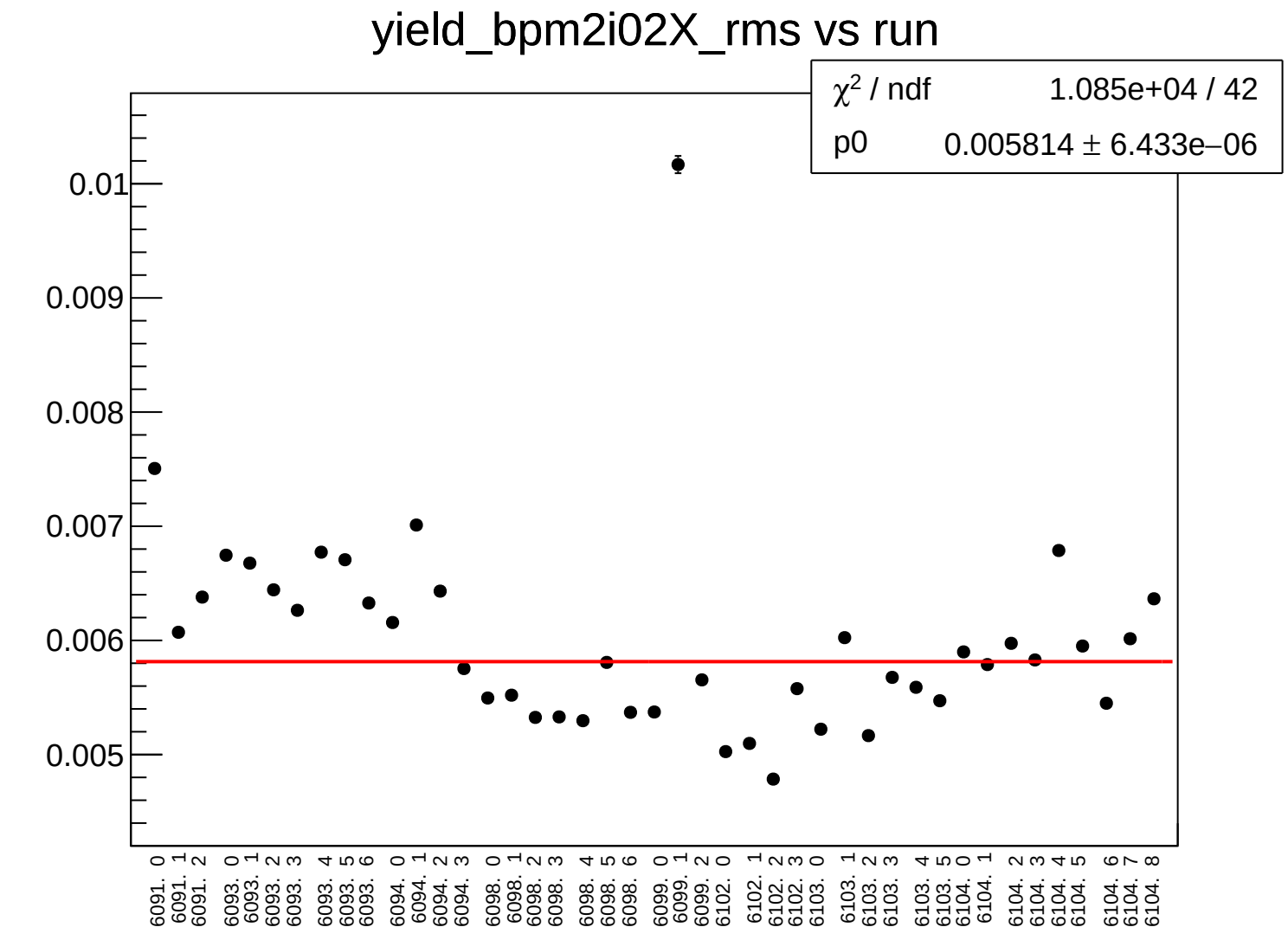

yield_bpm2i01X_rms vs run
χ² / ndf 1.221e+04 / 42
p0 0.001322 ± 1.463e−06
0.0028
0.0026
0.0024
0.0022
0.002
0.0018
0.0016
0.0014
0.0012
0.001
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

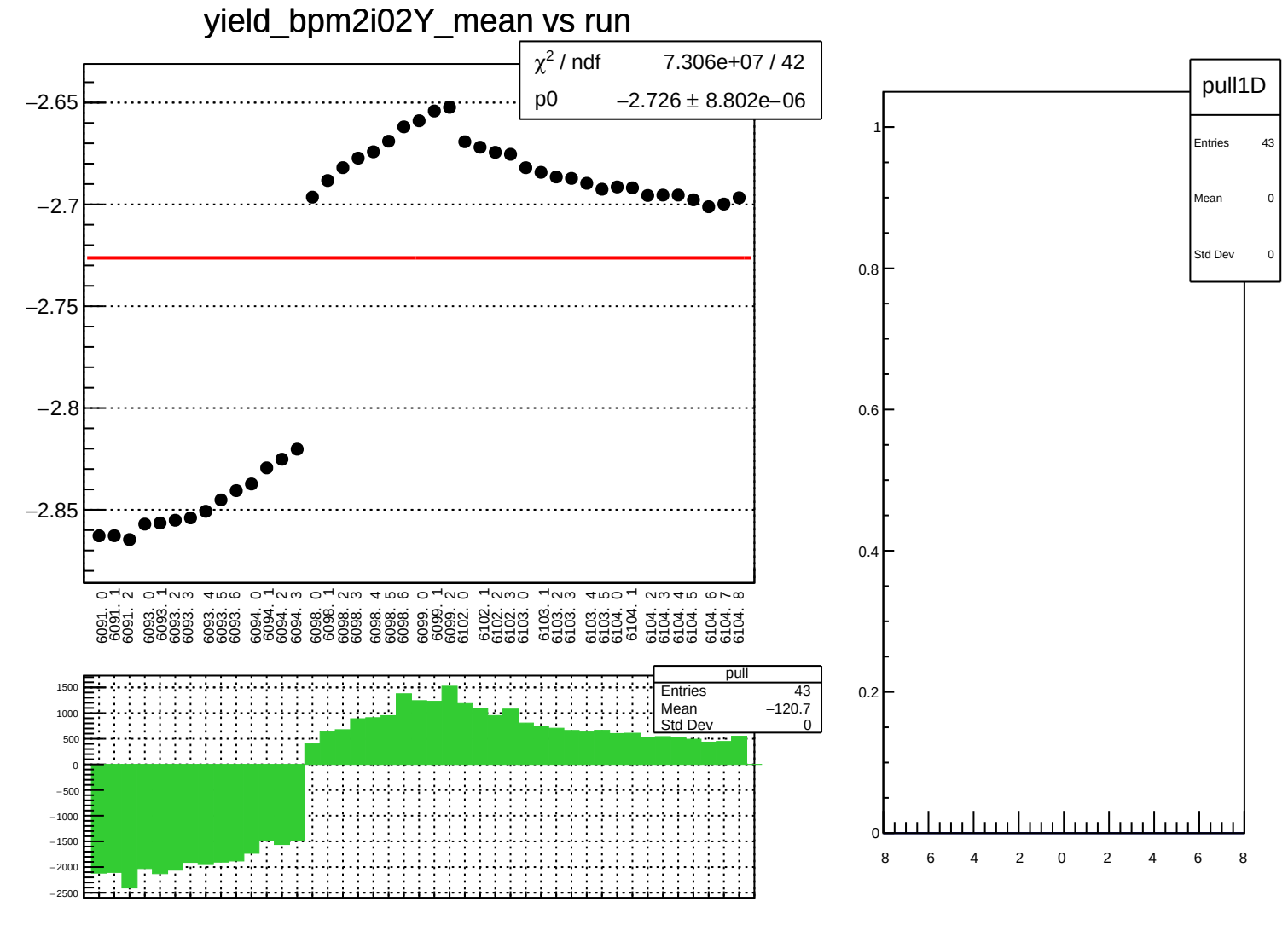

yield_bpm2i01Y_mean vs run
χ² / ndf 3.508e+07 / 42
p0 −4.665 ± 2.526e−06
−4.64
−4.65
−4.66
−4.67
−4.68
−4.69
−4.7
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean −7152
Std Dev 0
1500
1000
500
0
−500
−1000
−1500
−2000
pull1D
Entries 43
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

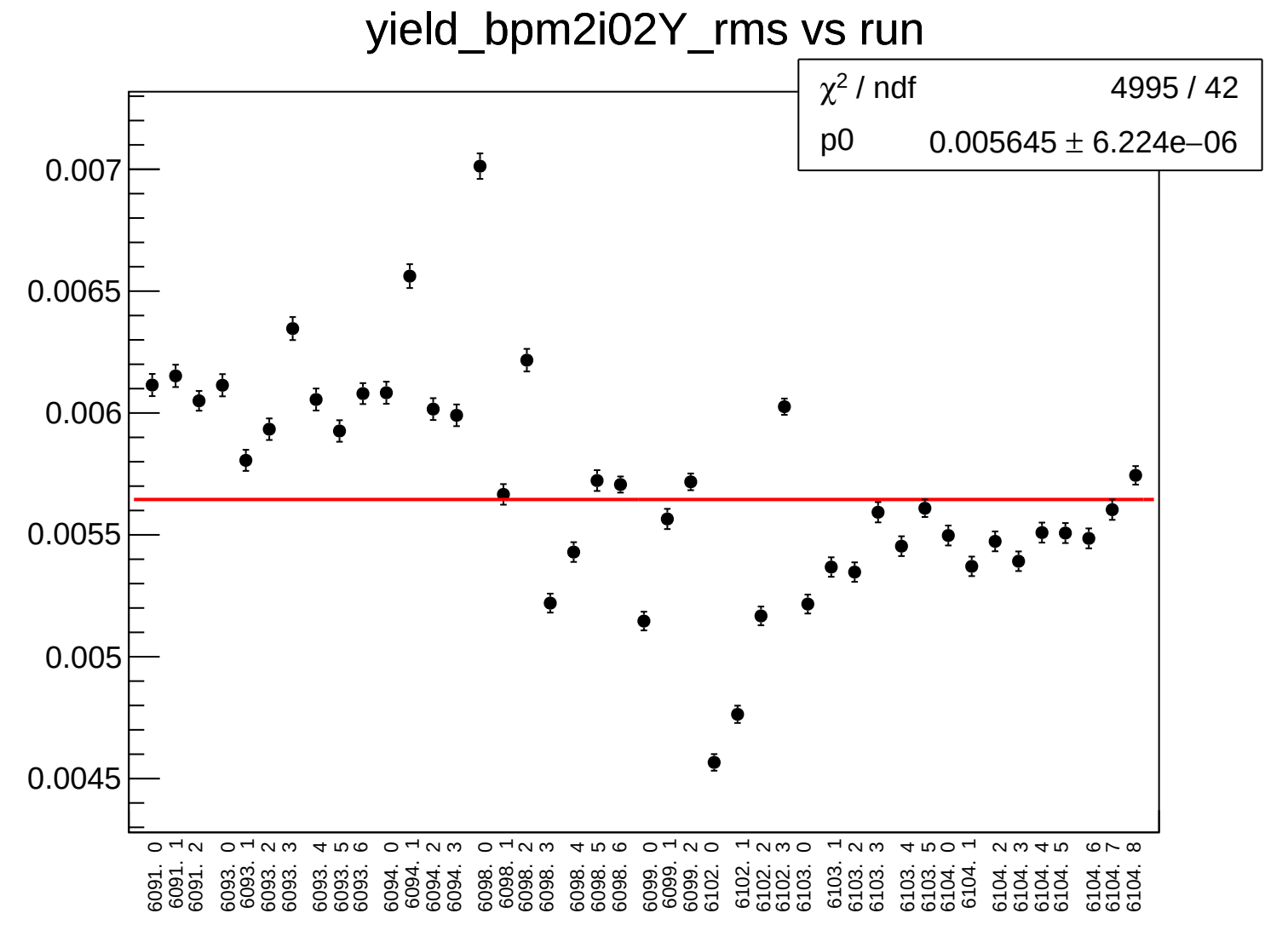

yield_bpm2i01Y_rms vs run
χ² / ndf 3.636e+04 / 42
p0 0.001589 ± 1.786e−06
0.006
0.005
0.004
0.003
0.002
0.001
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

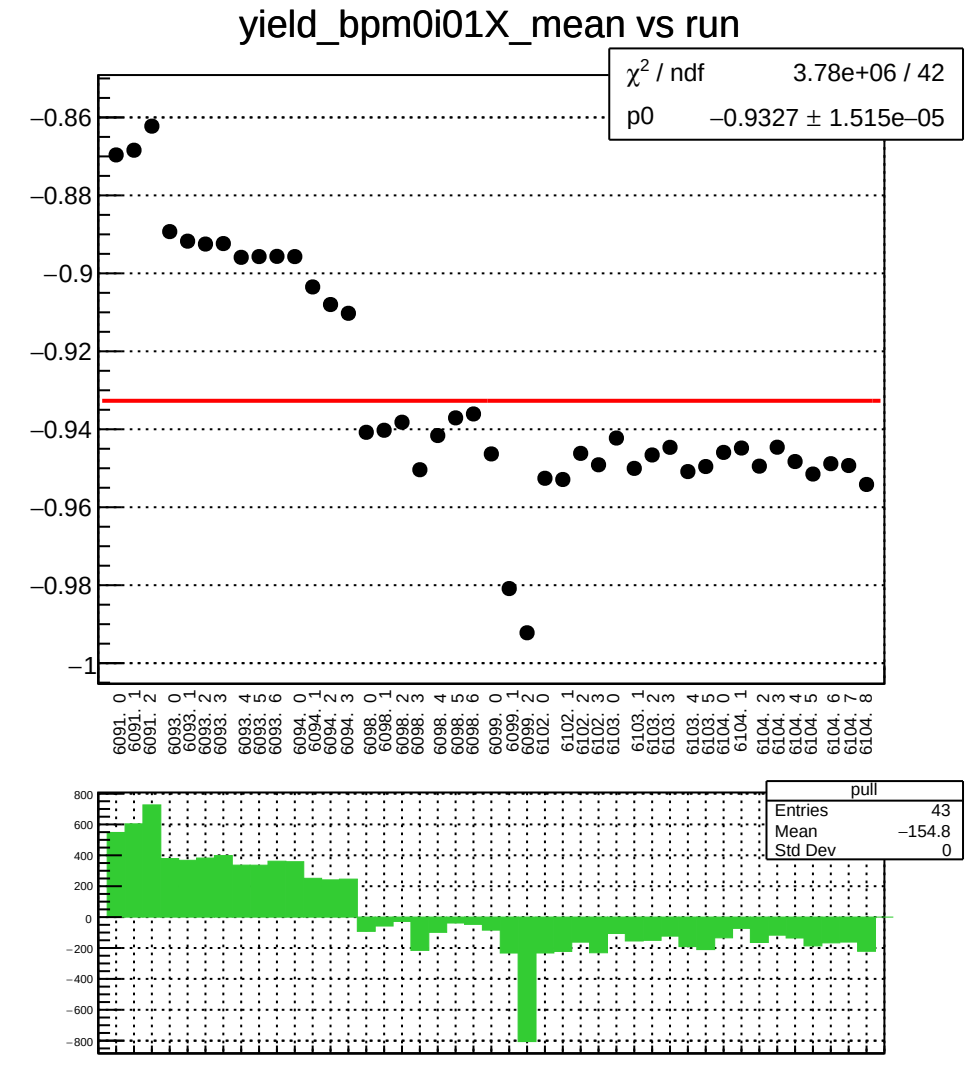

yield_bpm2i02X_mean vs run
χ² / ndf 1.341e+07 / 42
p0 1.084 ± 9.098e−06
1.16
1.14
1.12
1.1
1.08
1.06
1.04
1.02
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean −54.97
Std Dev 0
1500
1000
500
0
−500
−1000

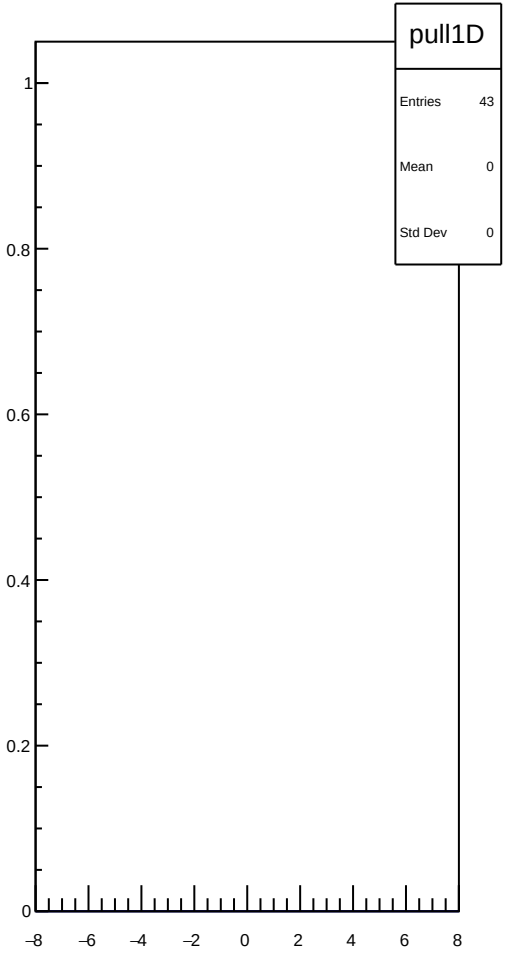

pull1D
Entries 43
Mean 3.066
Std Dev 4.918
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

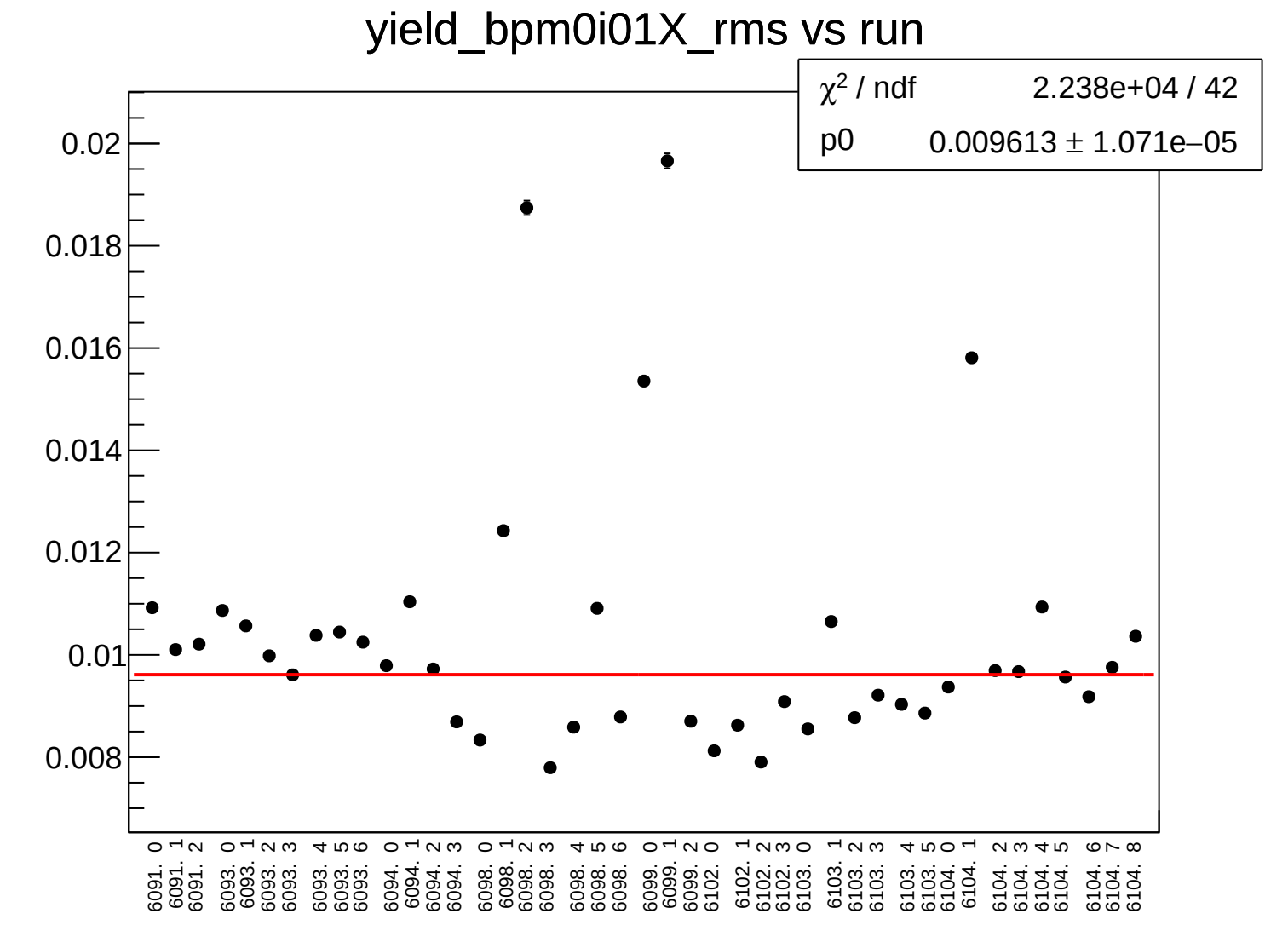

yield_bpm2i02X_rms vs run
χ² / ndf 1.085e+04 / 42
p0 0.005814 ± 6.433e−06
0.01
0.009
0.008
0.007
0.006
0.005
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

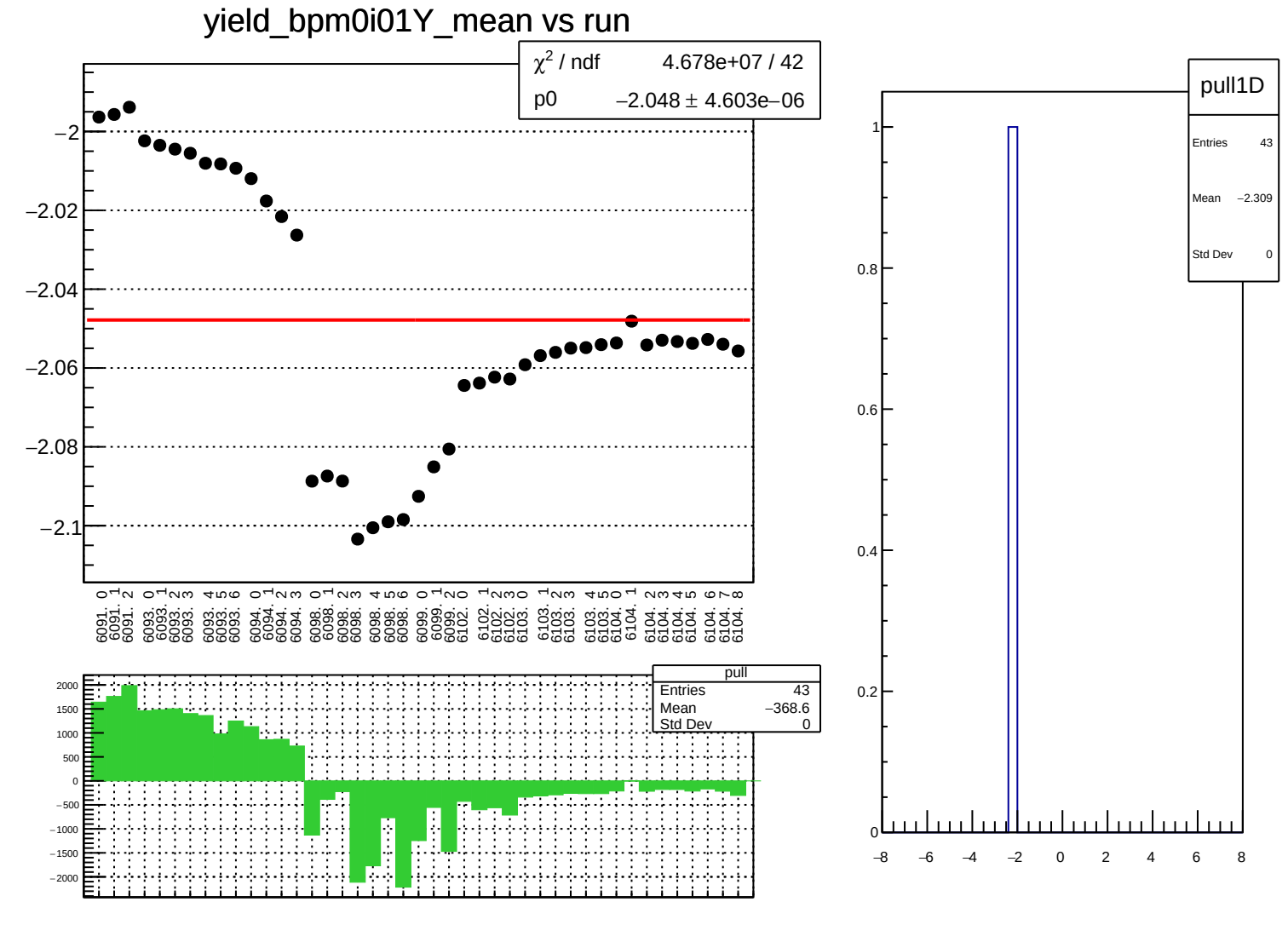

yield_bpm2i02Y_mean vs run
χ² / ndf 7.306e+07 / 42
p0 −2.726 ± 8.802e−06
−2.65
−2.7
−2.75
−2.8
−2.85
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean −120.7
Std Dev 0
1500
1000
500
0
−500
−1000
−1500
−2000
−2500
pull1D
Entries 43
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

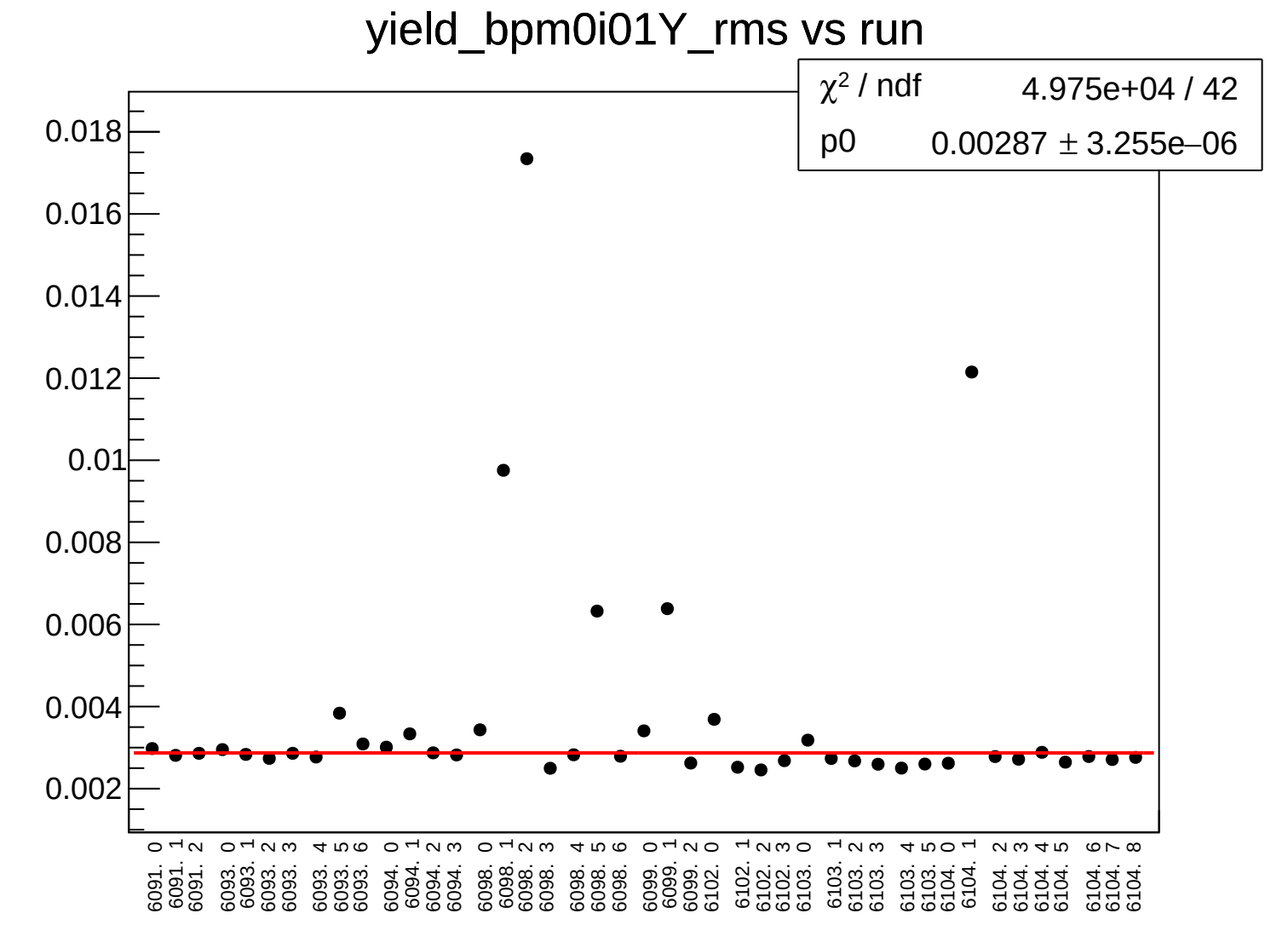

yield_bpm2i02Y_rms vs run
χ² / ndf 4995 / 42
p0 0.005645 ± 6.224e−06
0.007
0.0065
0.006
0.0055
0.005
0.0045
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

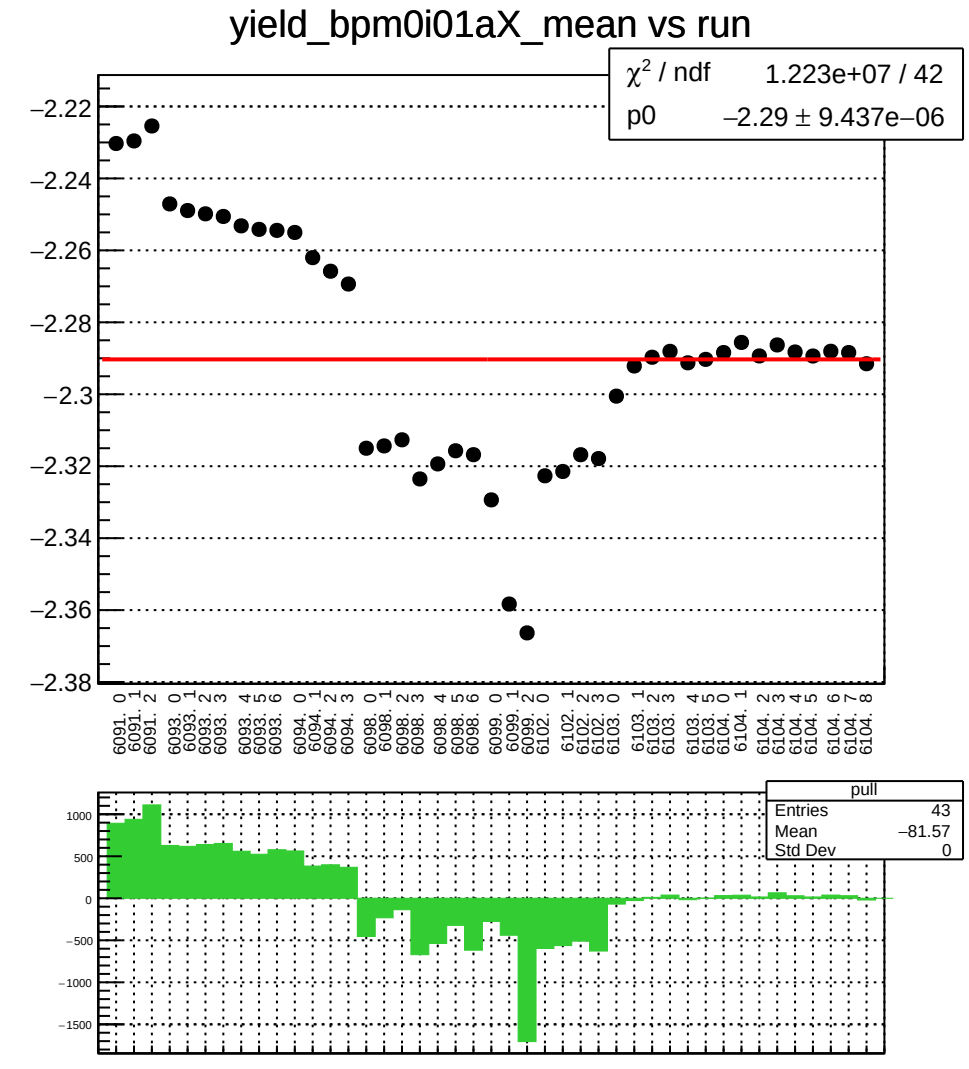

yield_bpm0i01X_mean vs run
χ² / ndf 3.78e+06 / 42
p0 −0.9327 ± 1.515e−05
−0.86
−0.88
−0.9
−0.92
−0.94
−0.96
−0.98
−1
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
800
600
400
200
0
−200
−400
−600
−800
pull
Entries 43
Mean −154.8
Std Dev 0

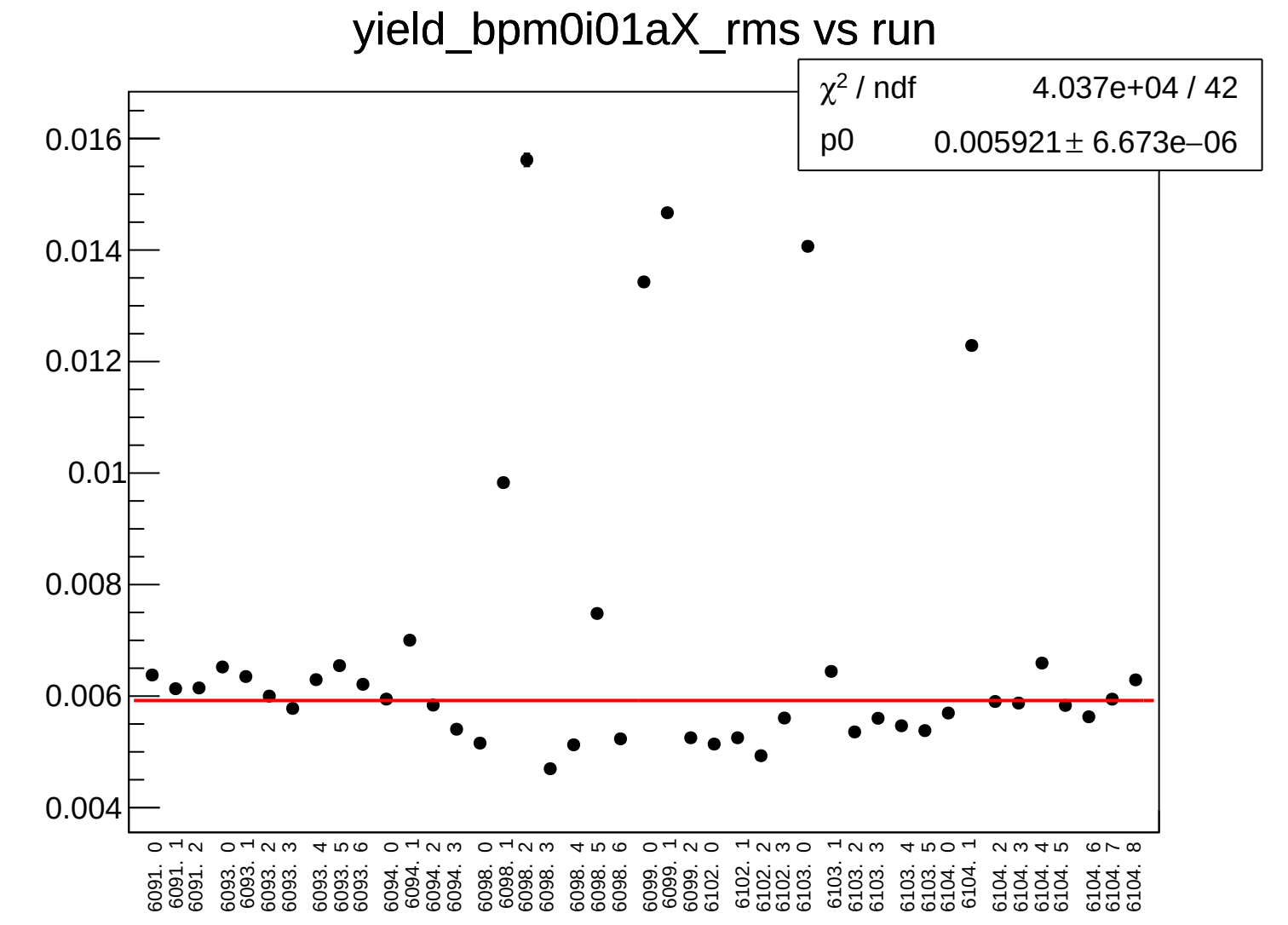

pull1D
Entries 43
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

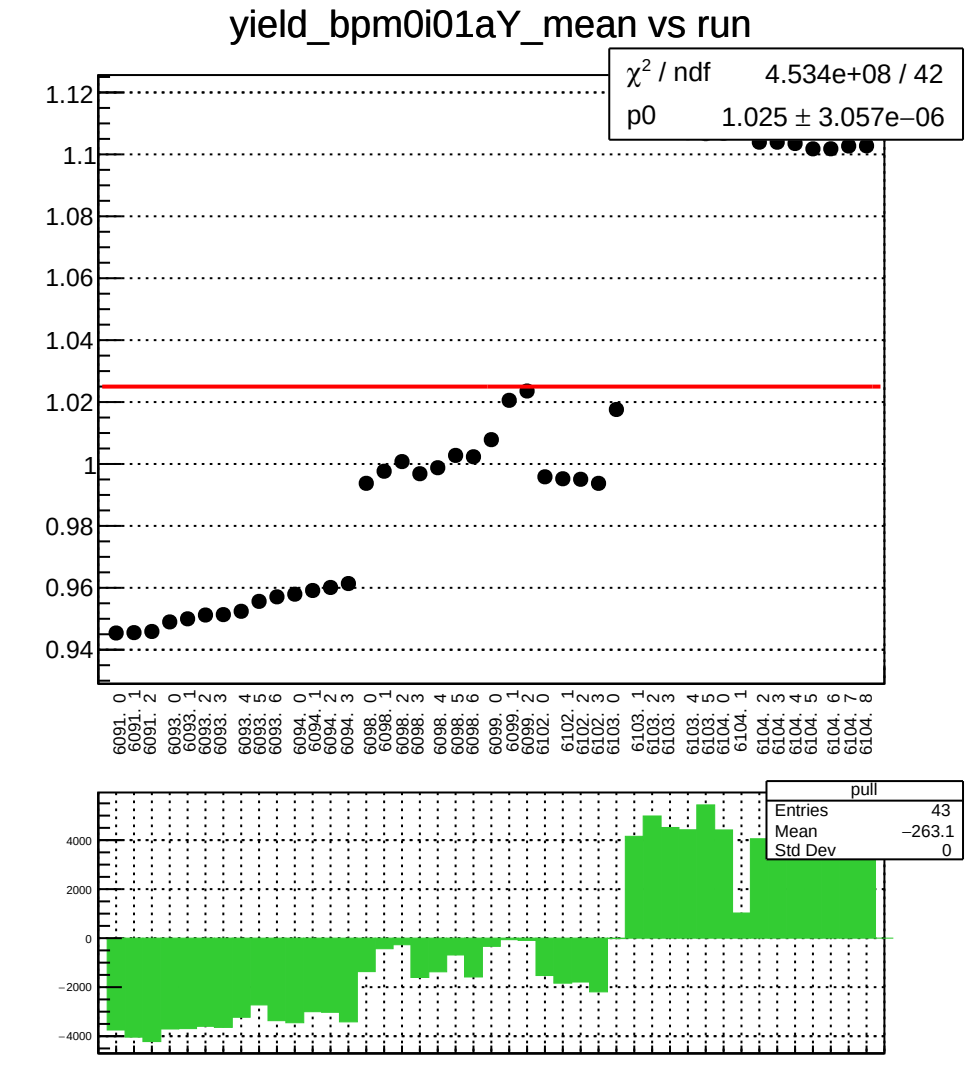

yield_bpm0i01X_rms vs run
χ² / ndf 2.238e+04 / 42
p0 0.009613 ± 1.071e−05
0.02
0.018
0.016
0.014
0.012
0.01
0.008
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

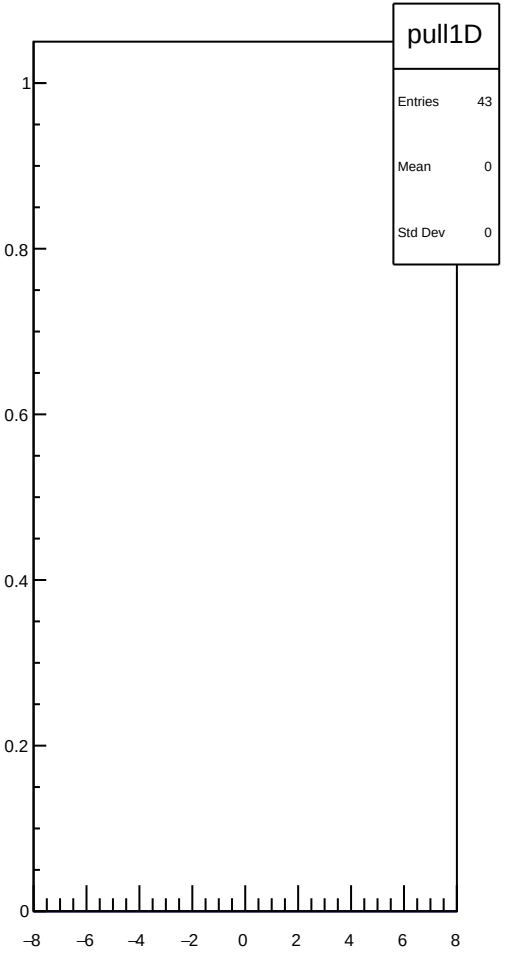

yield_bpm0i01Y_mean vs run
χ² / ndf 4.678e+07 / 42
p0 −2.048 ± 4.603e−06
−2
−2.02
−2.04
−2.06
−2.08
−2.1
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean −368.6
Std Dev 0
2000
1500
1000
500
0
−500
−1000
−1500
−2000
pull1D
Entries 43
Mean −2.309
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

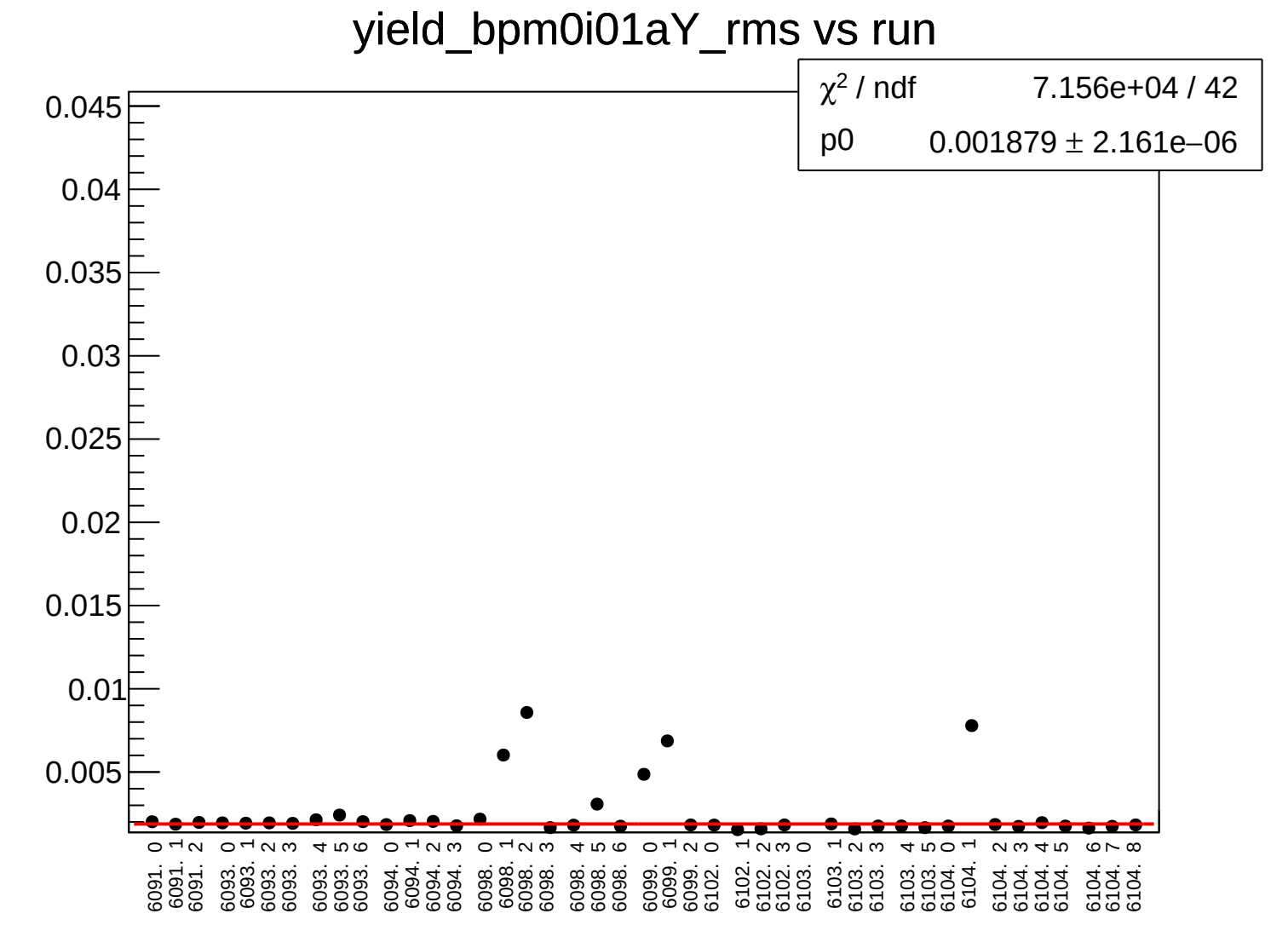

yield_bpm0i01Y_rms vs run
χ² / ndf 4.975e+04 / 42
p0 0.00287 ± 3.255e–06
0.018
0.016
0.014
0.012
0.01
0.008
0.006
0.004
0.002
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

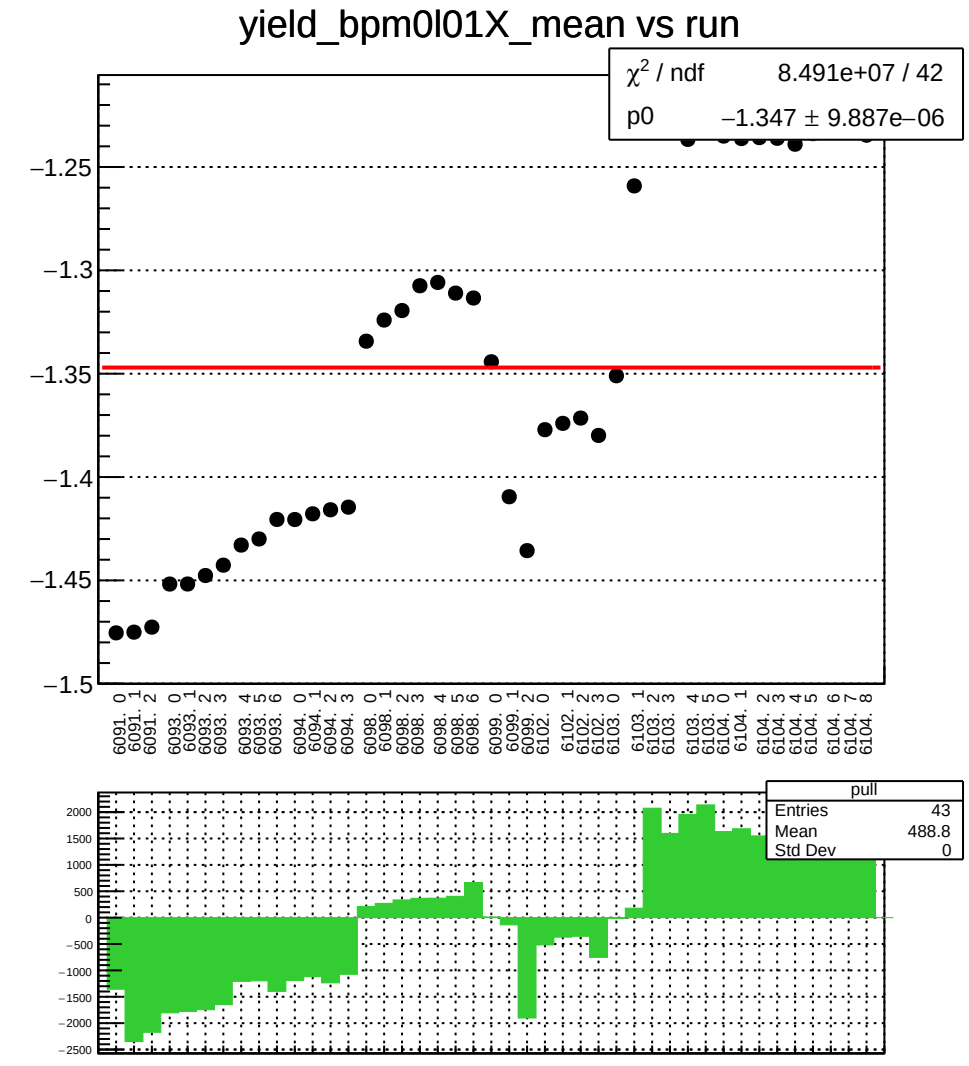

yield_bpm0i01aX_mean vs run
χ² / ndf 1.223e+07 / 42
p0 −2.29 ± 9.437e−06
−2.22
−2.24
−2.26
−2.28
−2.3
−2.32
−2.34
−2.36
−2.38
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean −81.57
Std Dev 0
1000
500
0
−500
−1000
−1500
pull1D
Entries 43
Mean 0.1316
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

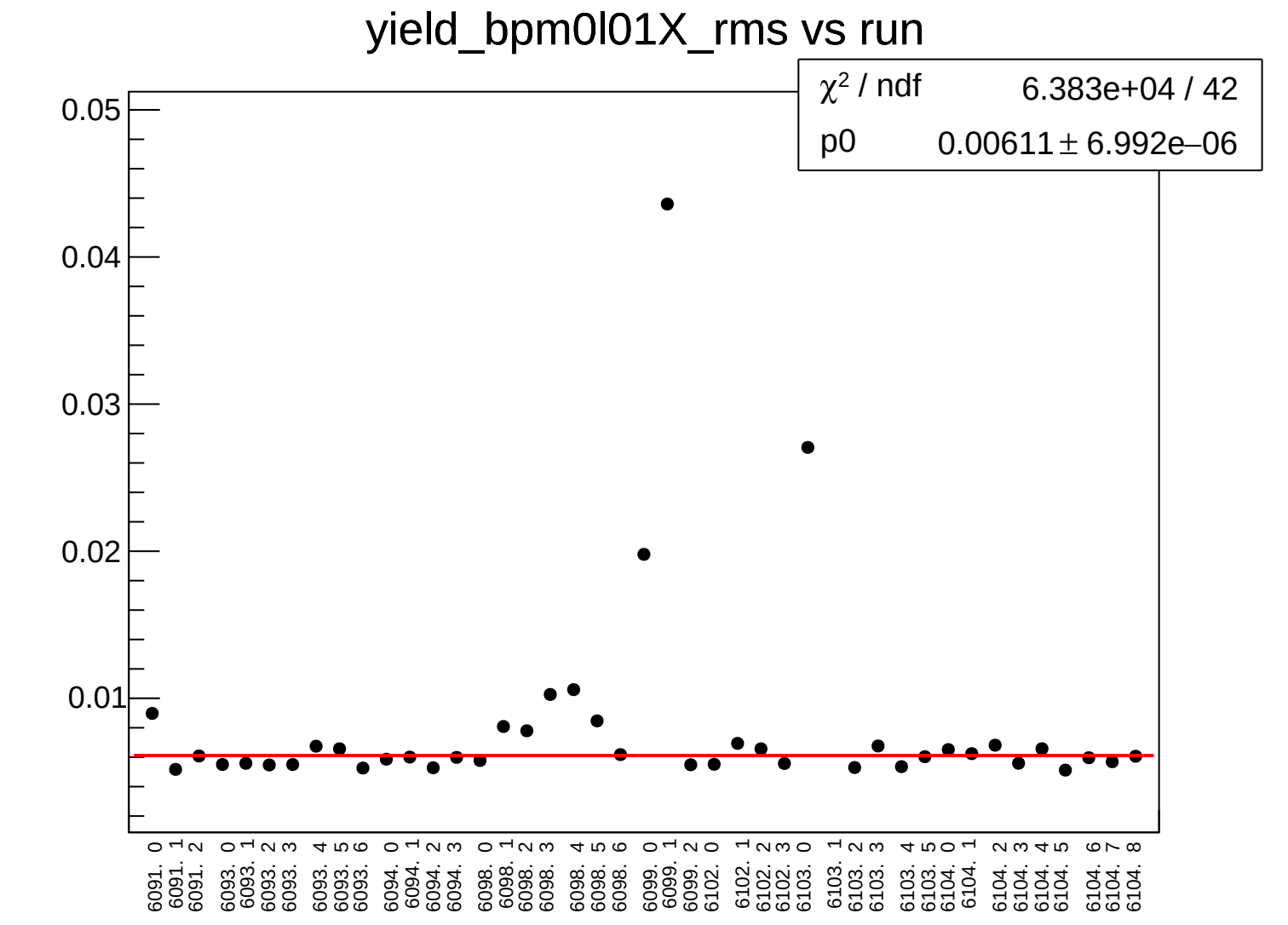

yield_bpm0i01aX_rms vs run
χ² / ndf 4.037e+04 / 42
p0 0.005921 ± 6.673e−06
0.016
0.014
0.012
0.01
0.008
0.006
0.004
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

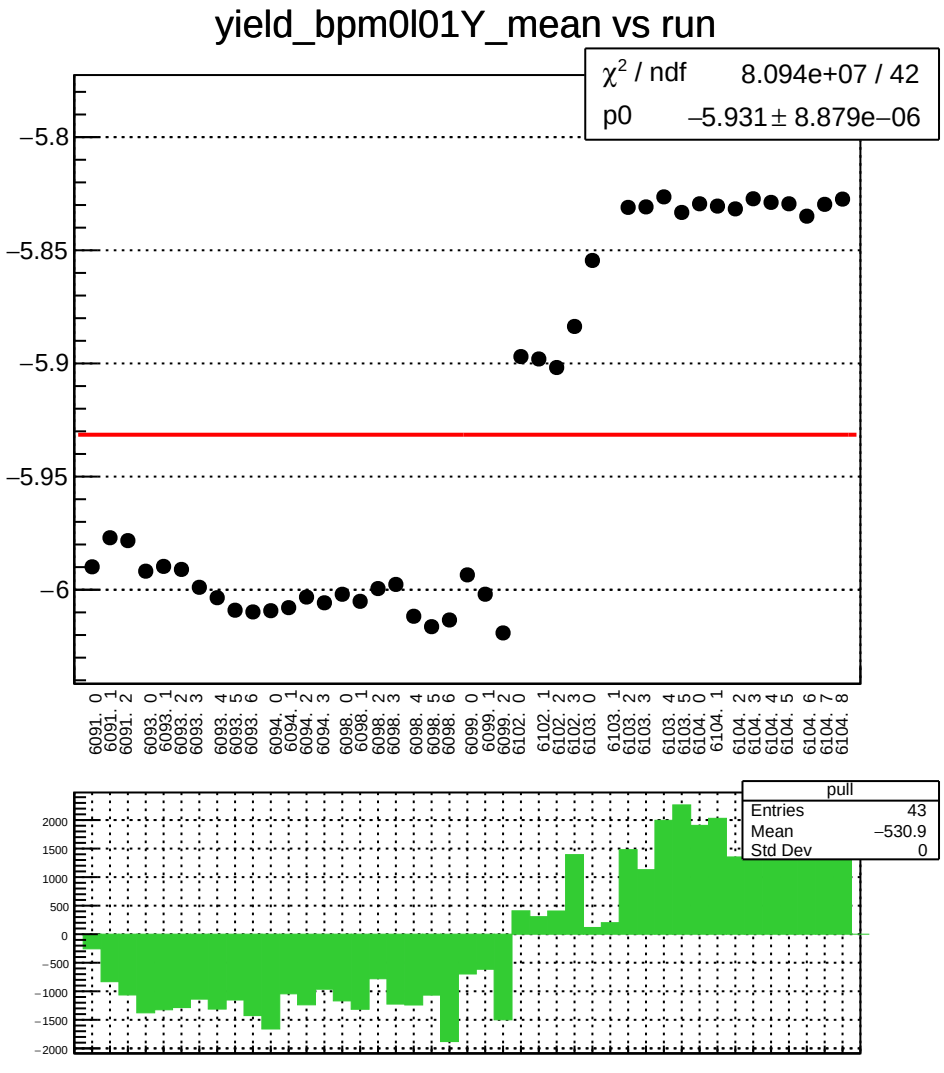

yield_bpm0i01aY_mean vs run
χ² / ndf 4.534e+08 / 42
p0 1.025 ± 3.057e−06
1.12
1.1
1.08
1.06
1.04
1.02
1
0.98
0.96
0.94
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean −263.1
Std Dev 0
4000
2000
0
−2000
−4000

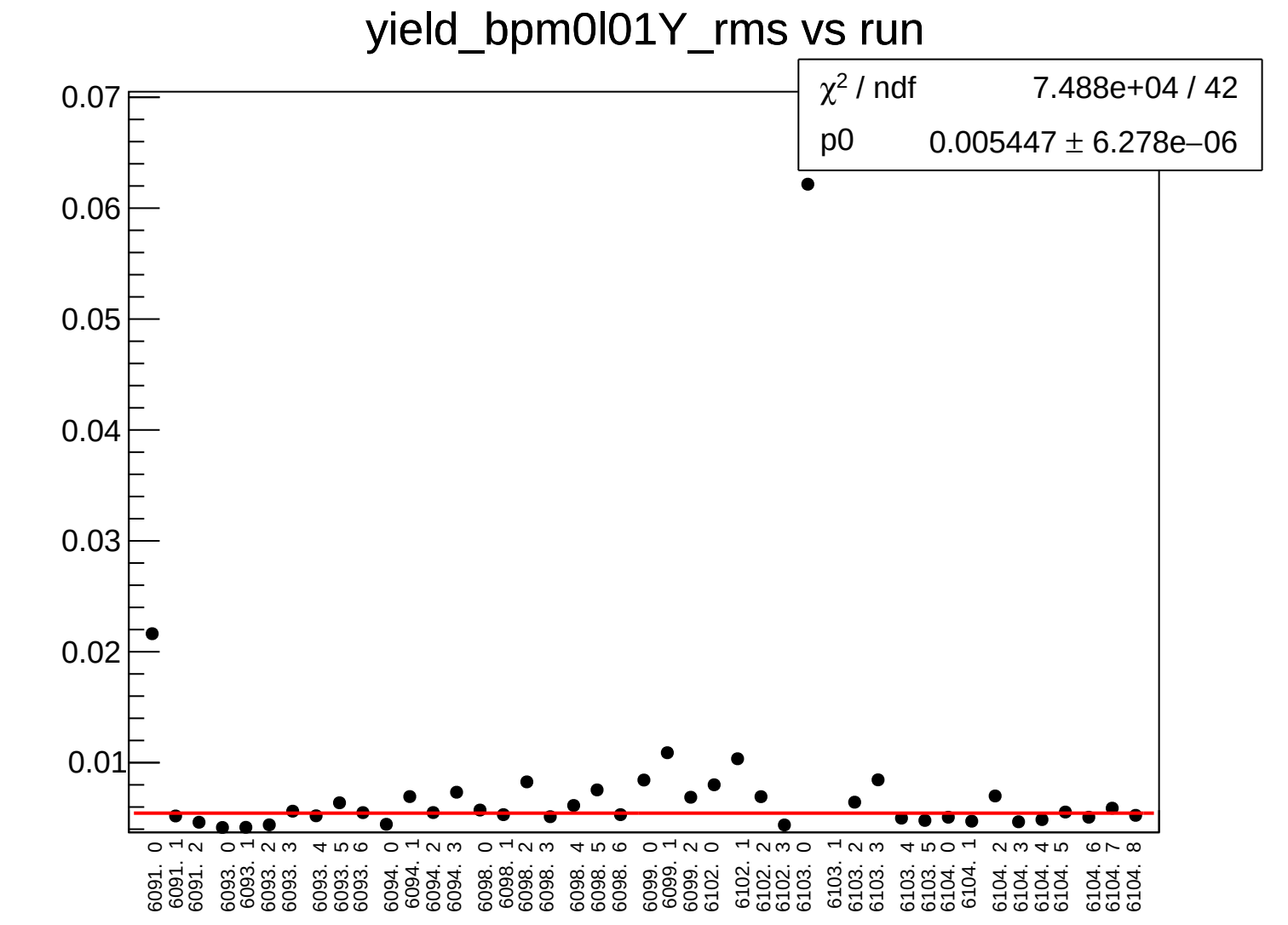

pull1D
Entries 43
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

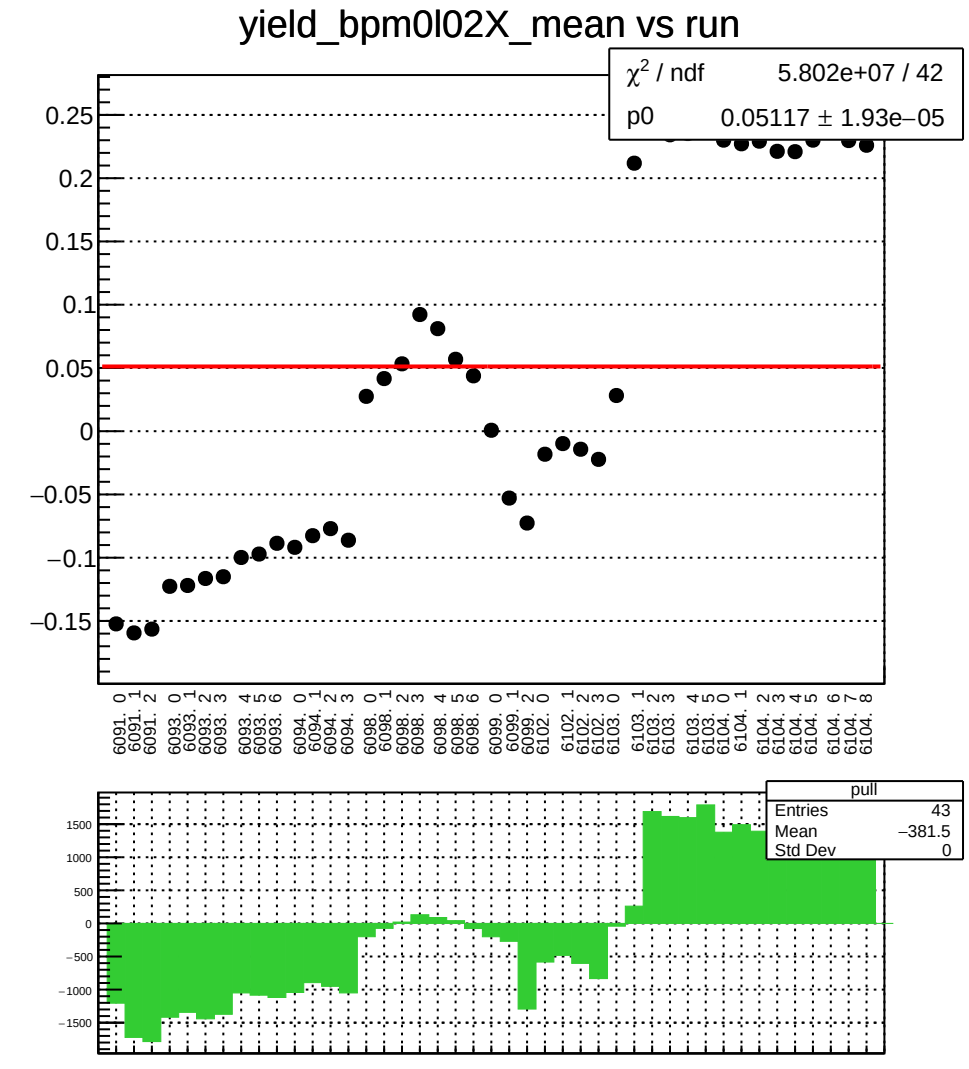

yield_bpm0i01aY_rms vs run
χ² / ndf 7.156e+04 / 42
p0 0.001879 ± 2.161e−06
0.045
0.04
0.035
0.03
0.025
0.02
0.015
0.01
0.005
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

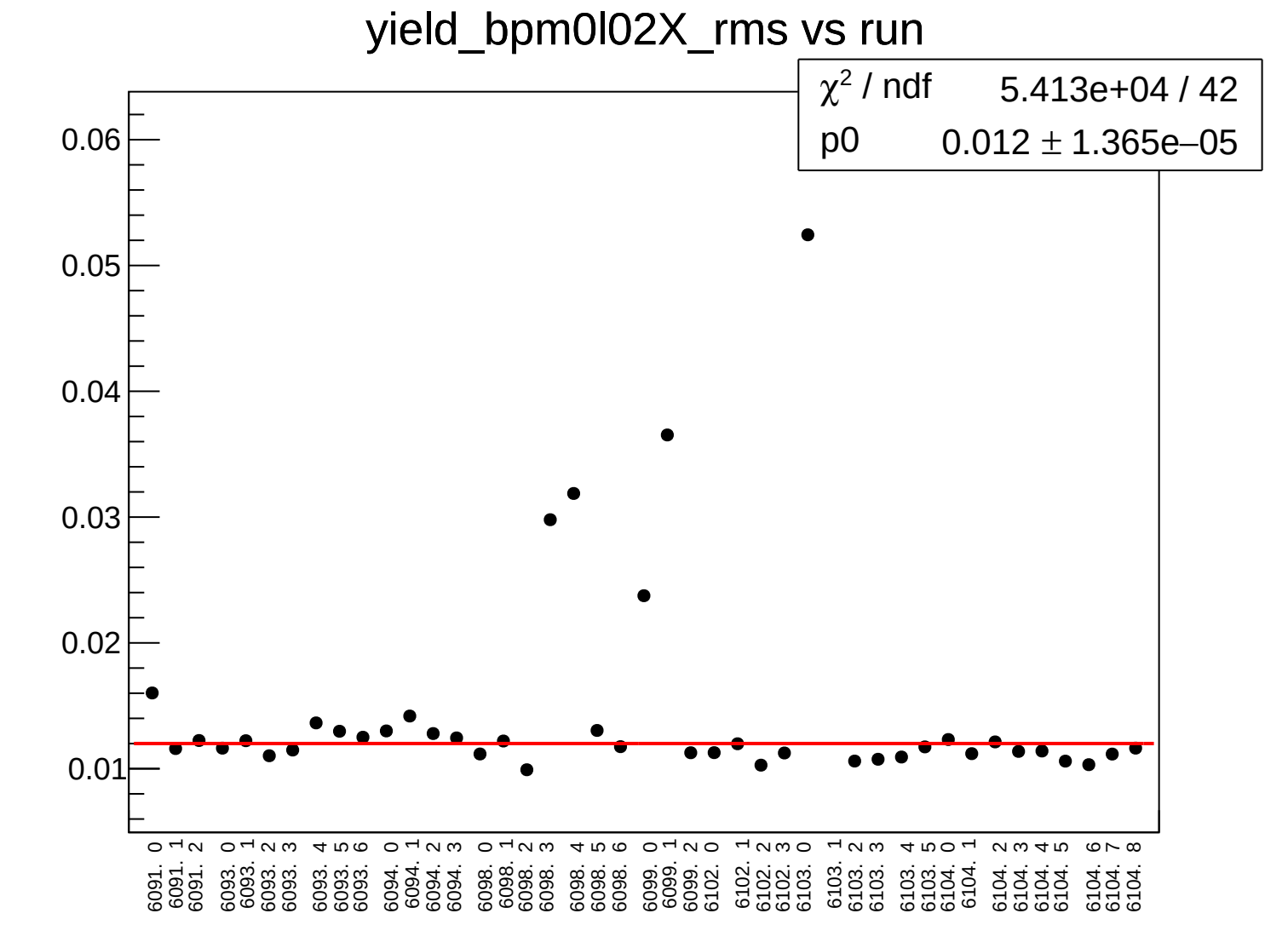

yield_bpm0l01X_mean vs run
χ² / ndf 8.491e+07 / 42
p0 −1.347 ± 9.887e−06
−1.25
−1.3
−1.35
−1.4
−1.45
−1.5
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 488.8
Std Dev 0
2000
1500
1000
500
0
−500
−1000
−1500
−2000
−2500
pull1D
Entries 43
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

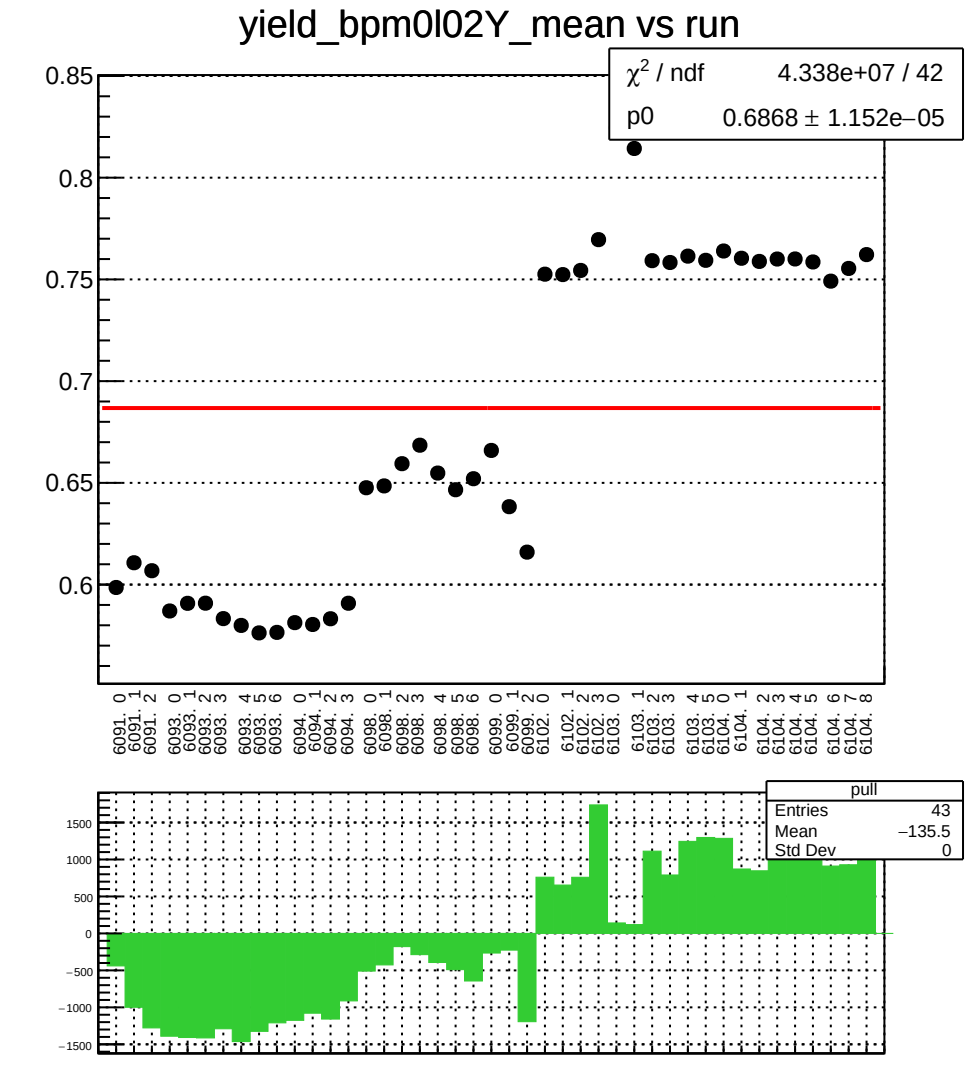

yield_bpm0l01X_rms vs run
χ² / ndf 6.383e+04 / 42
p0 0.00611 ± 6.992e–06
0.05
0.04
0.03
0.02
0.01
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

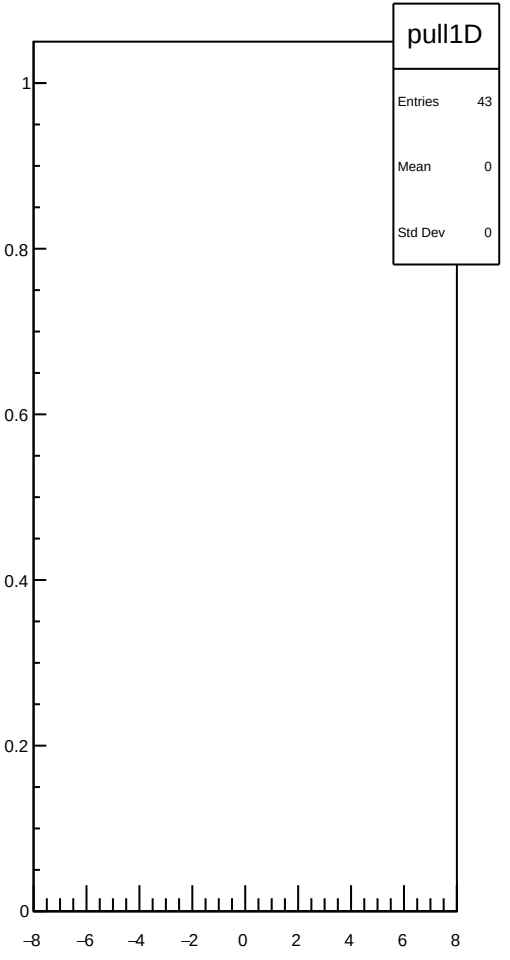

yield_bpm0l01Y_mean vs run
χ² / ndf 8.094e+07 / 42
p0 −5.931 ± 8.879e−06
−5.8
−5.85
−5.9
−5.95
−6
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean −530.9
Std Dev 0
2000
1500
1000
500
0
−500
−1000
−1500
−2000
pull1D
Entries 43
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

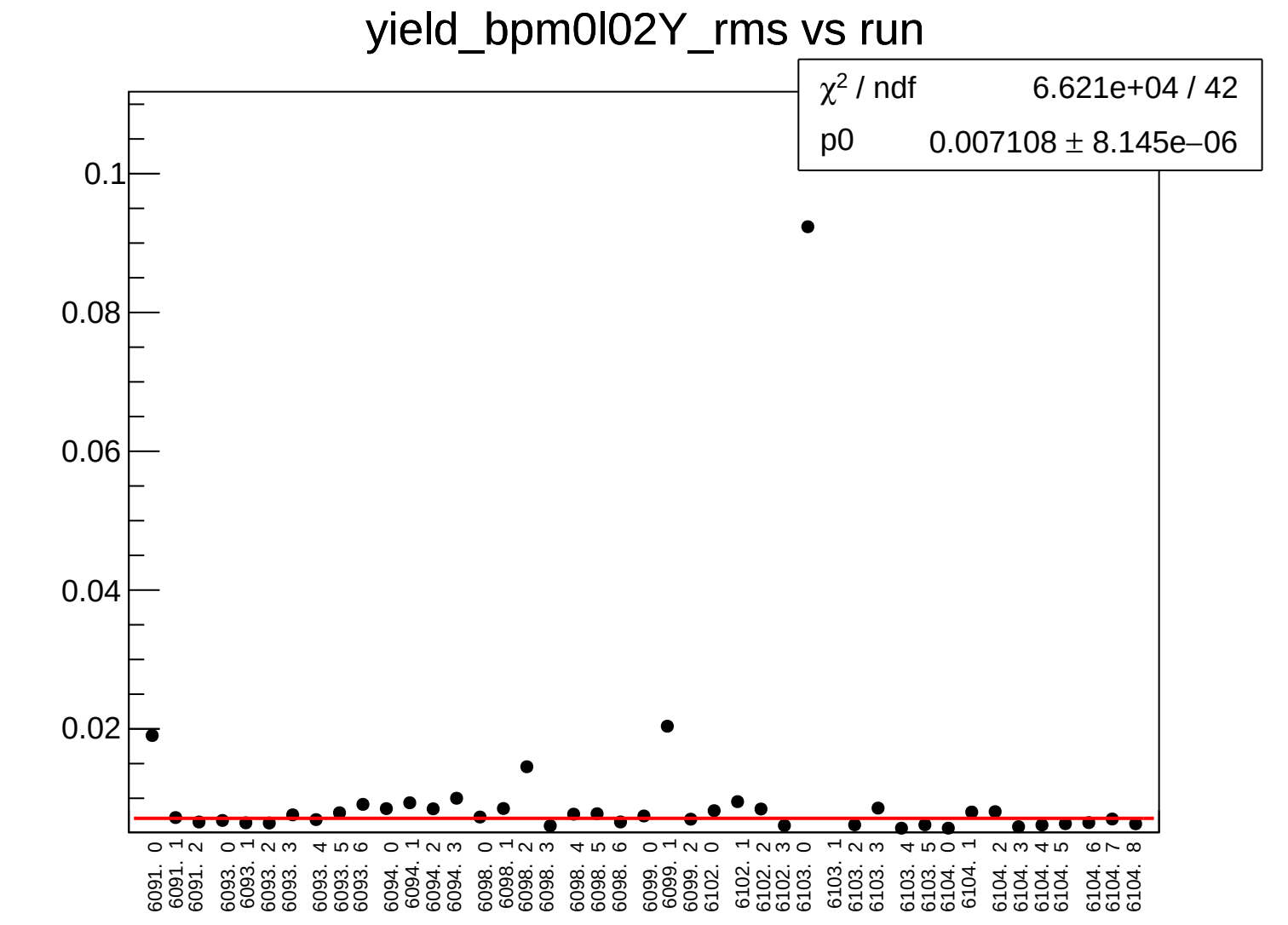

yield_bpm0l01Y_rms vs run
χ² / ndf 7.488e+04 / 42
p0 0.005447 ± 6.278e−06
0.07
0.06
0.05
0.04
0.03
0.02
0.01
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

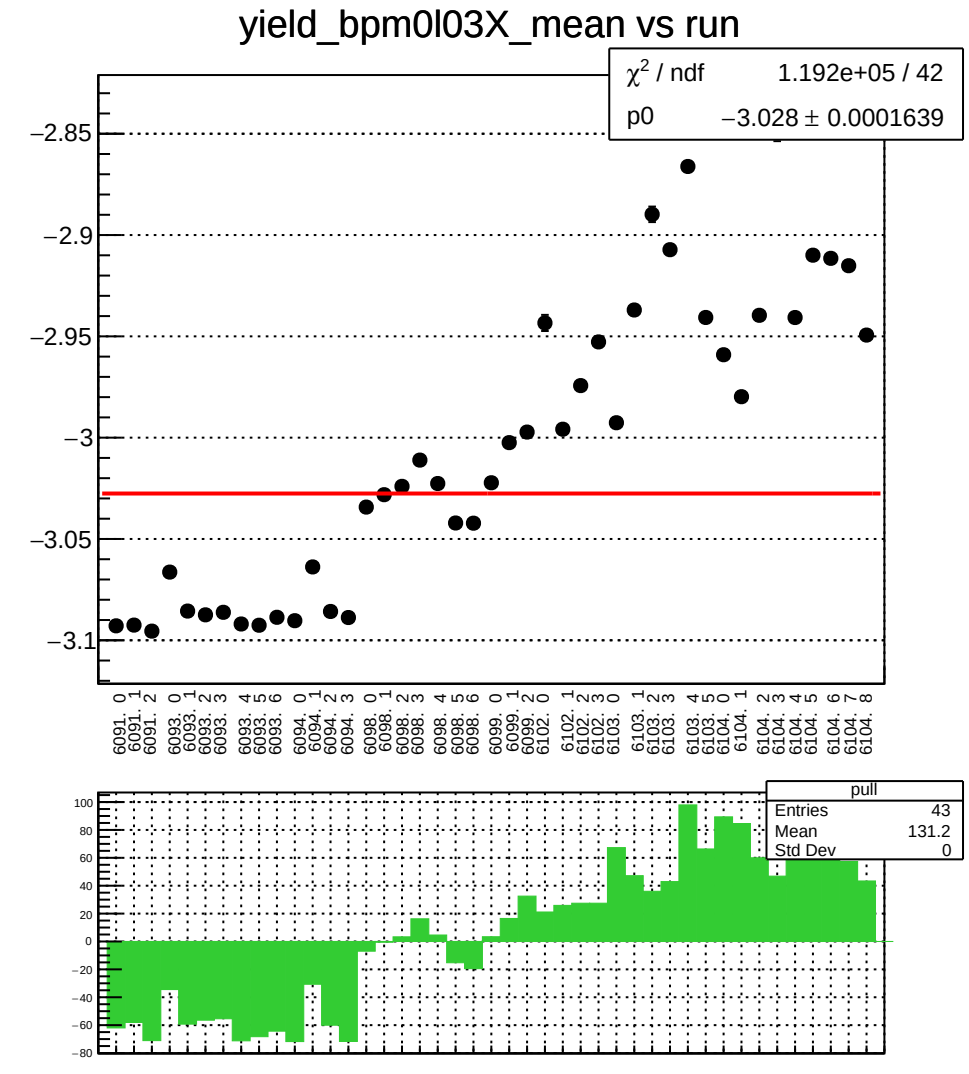

yield_bpm0l02X_mean vs run
χ² / ndf 5.802e+07 / 42
p0 0.05117 ± 1.93e−05
0.25
0.2
0.15
0.1
0.05
0
−0.05
−0.1
−0.15
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean −381.5
Std Dev 0
1500
1000
500
0
−500
−1000
−1500
pull1D
Entries 43
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

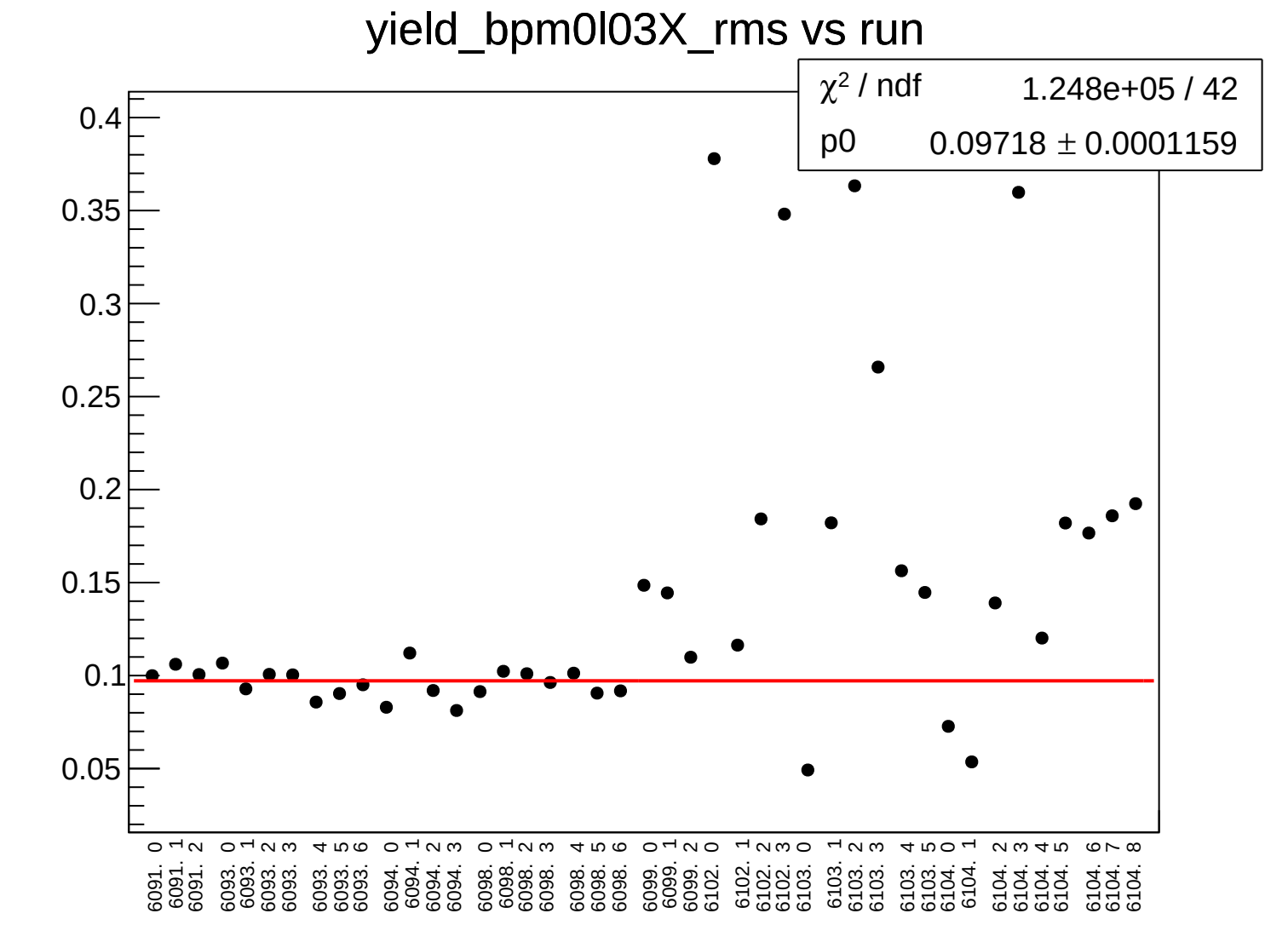

yield_bpm0l02X_rms vs run
χ² / ndf 5.413e+04 / 42
p0 0.012 ± 1.365e−05
0.06
0.05
0.04
0.03
0.02
0.01
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

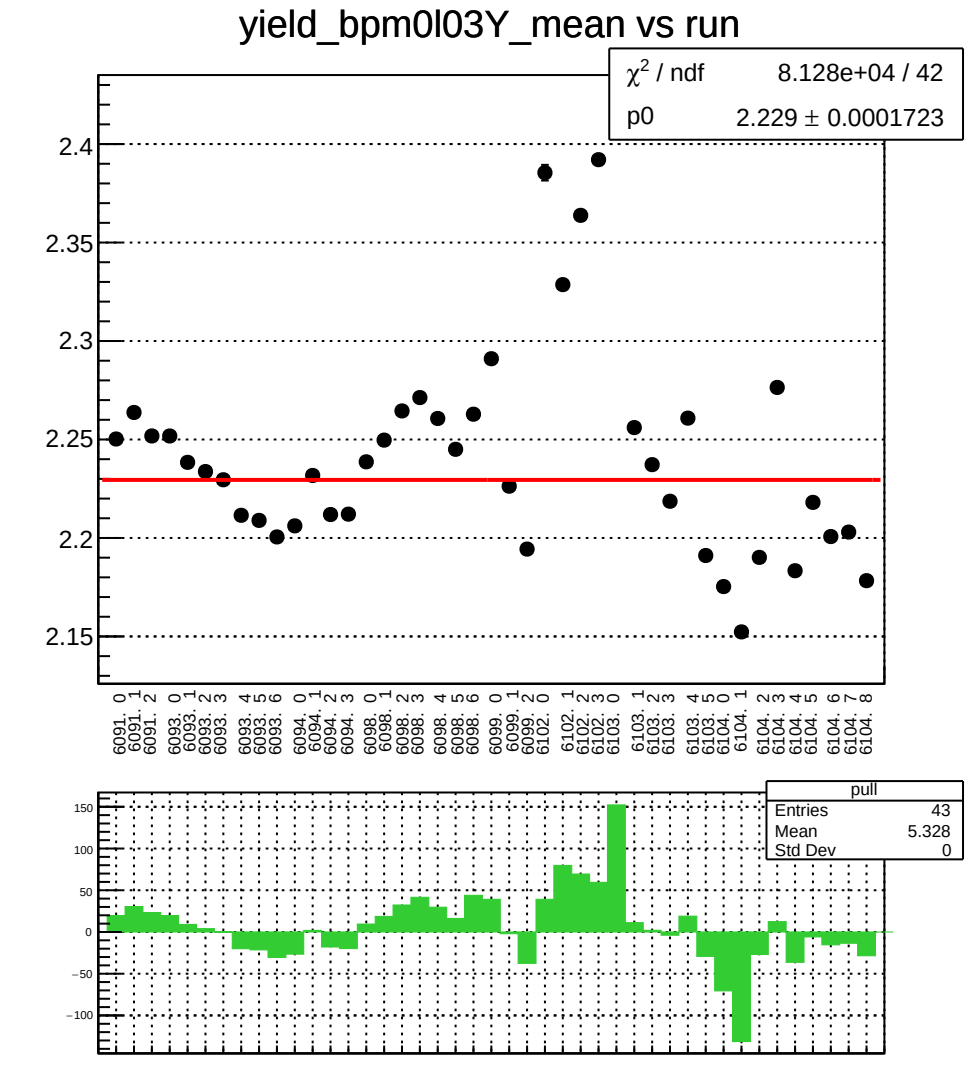

yield_bpm0l02Y_mean vs run
χ² / ndf 4.338e+07 / 42
p0 0.6868 ± 1.152e−05
0.85
0.8
0.75
0.7
0.65
0.6
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean −135.5
Std Dev 0
1500
1000
500
0
−500
−1000
−1500

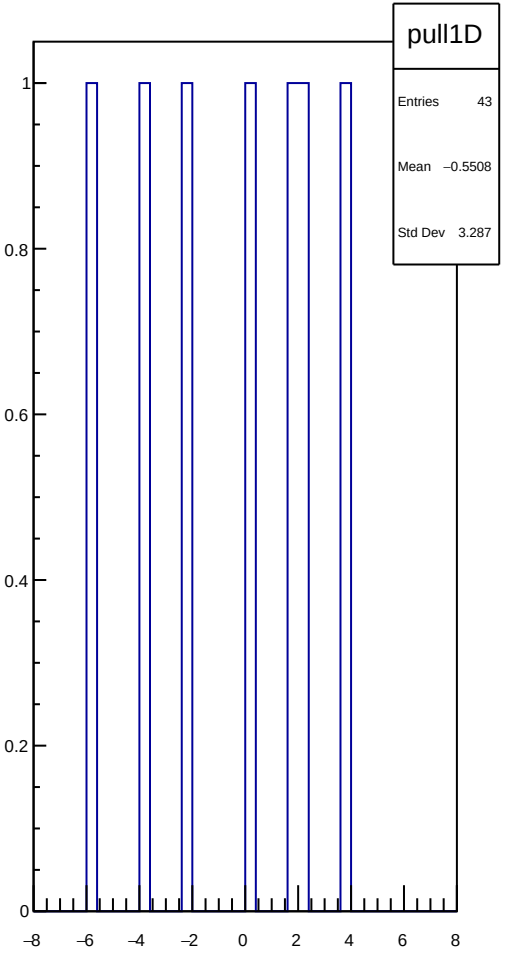

pull1D
Entries 43
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

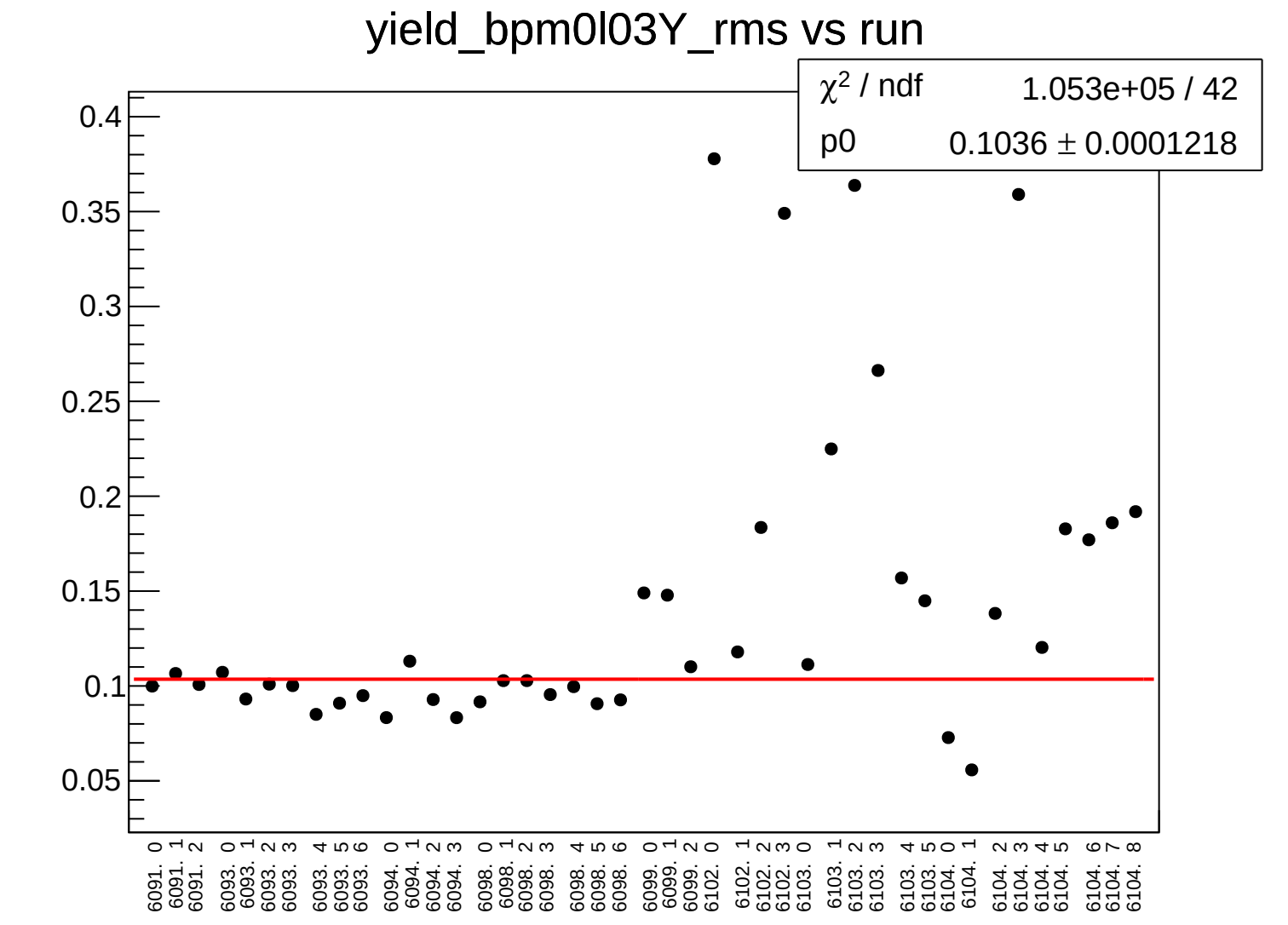

yield_bpm0l02Y_rms vs run
χ² / ndf 6.621e+04 / 42
p0 0.007108 ± 8.145e−06
0.1
0.08
0.06
0.04
0.02
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

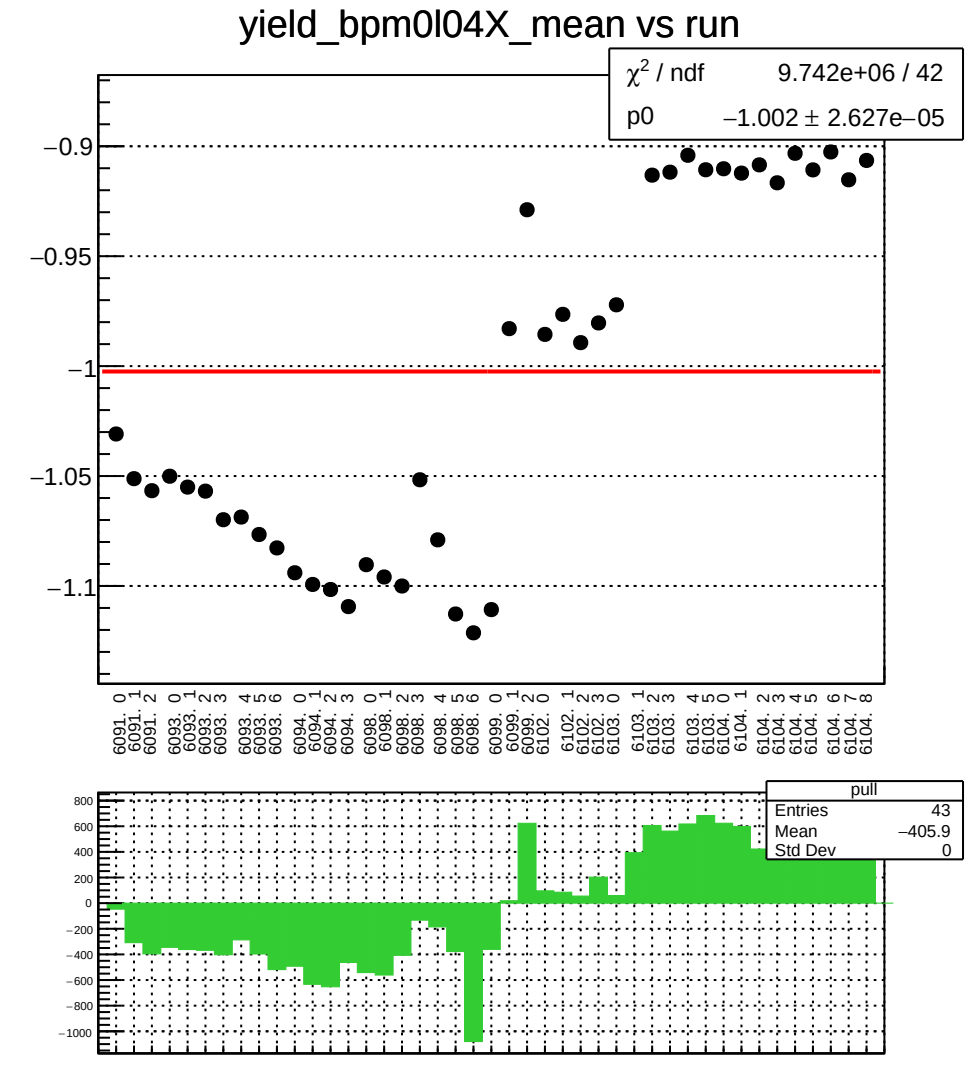

yield_bpm0l03X_mean vs run
χ² / ndf 1.192e+05 / 42
p0 −3.028 ± 0.0001639
−2.85
−2.9
−2.95
−3
−3.05
−3.1
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 131.2
Std Dev 0
100
80
60
40
20
0
−20
−40
−60
−80
pull1D
Entries 43
Mean 0.7714
Std Dev 4.231
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

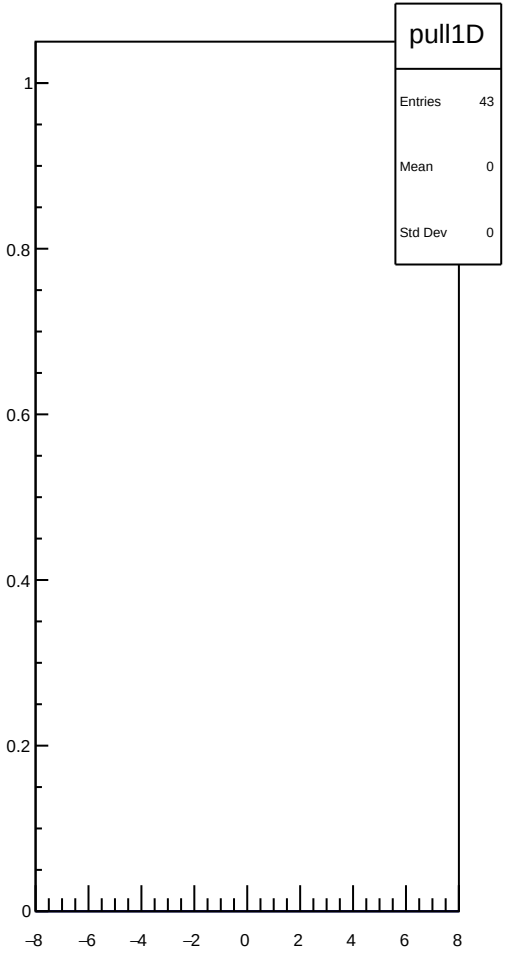

yield_bpm0l03X_rms vs run
χ² / ndf 1.248e+05 / 42
p0 0.09718 ± 0.0001159
0.4
0.35
0.3
0.25
0.2
0.15
0.1
0.05
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

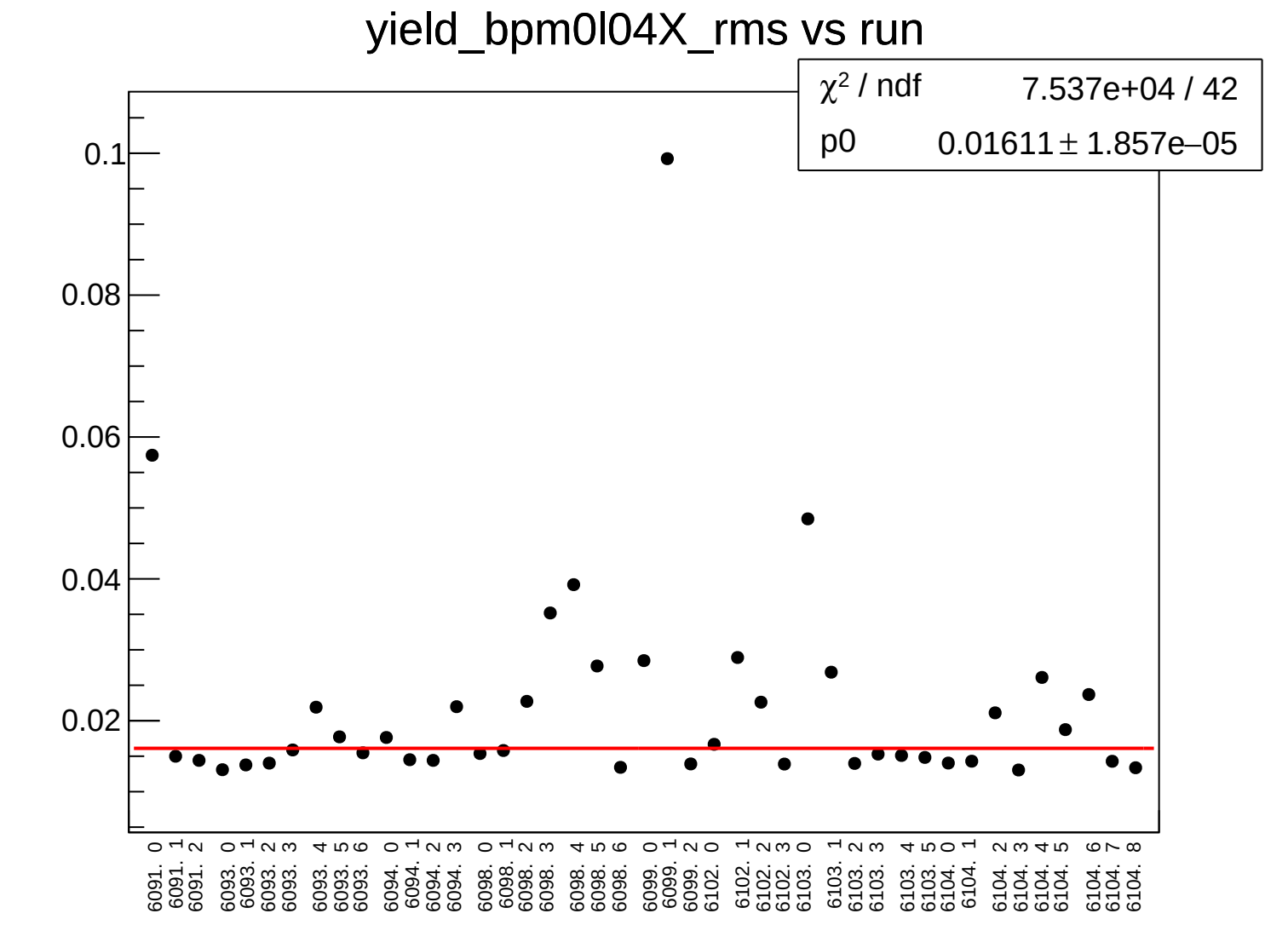

yield_bpm0l03Y_mean vs run
χ² / ndf 8.128e+04 / 42
p0 2.229 ± 0.0001723
2.4
2.35
2.3
2.25
2.2
2.15
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 5.328
Std Dev 0
150
100
50
0
−50
−100

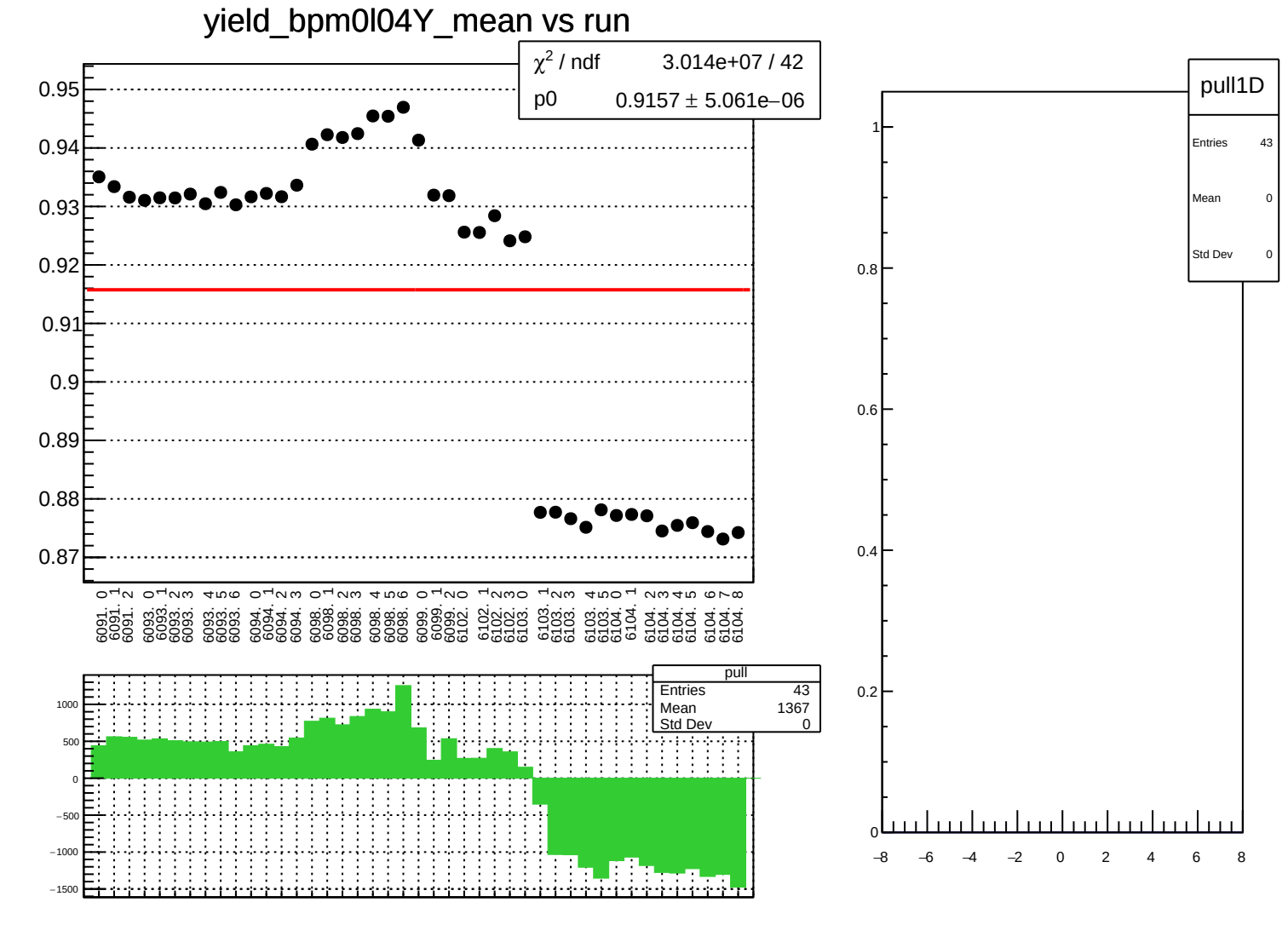

pull1D
Entries 43
Mean −0.5508
Std Dev 3.287
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

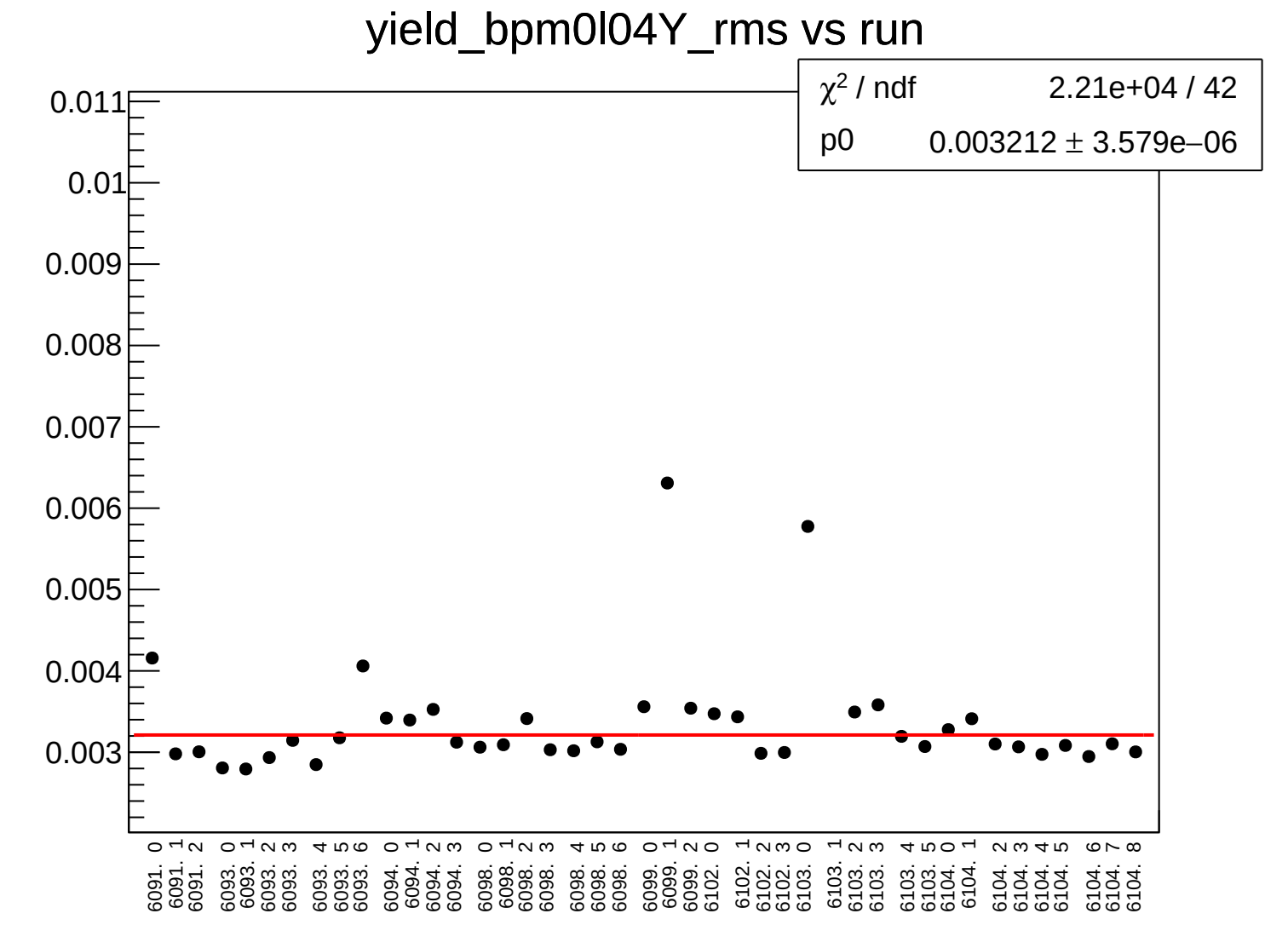

yield_bpm0l03Y_rms vs run
χ² / ndf 1.053e+05 / 42
p0 0.1036 ± 0.0001218
0.4
0.35
0.3
0.25
0.2
0.15
0.1
0.05
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

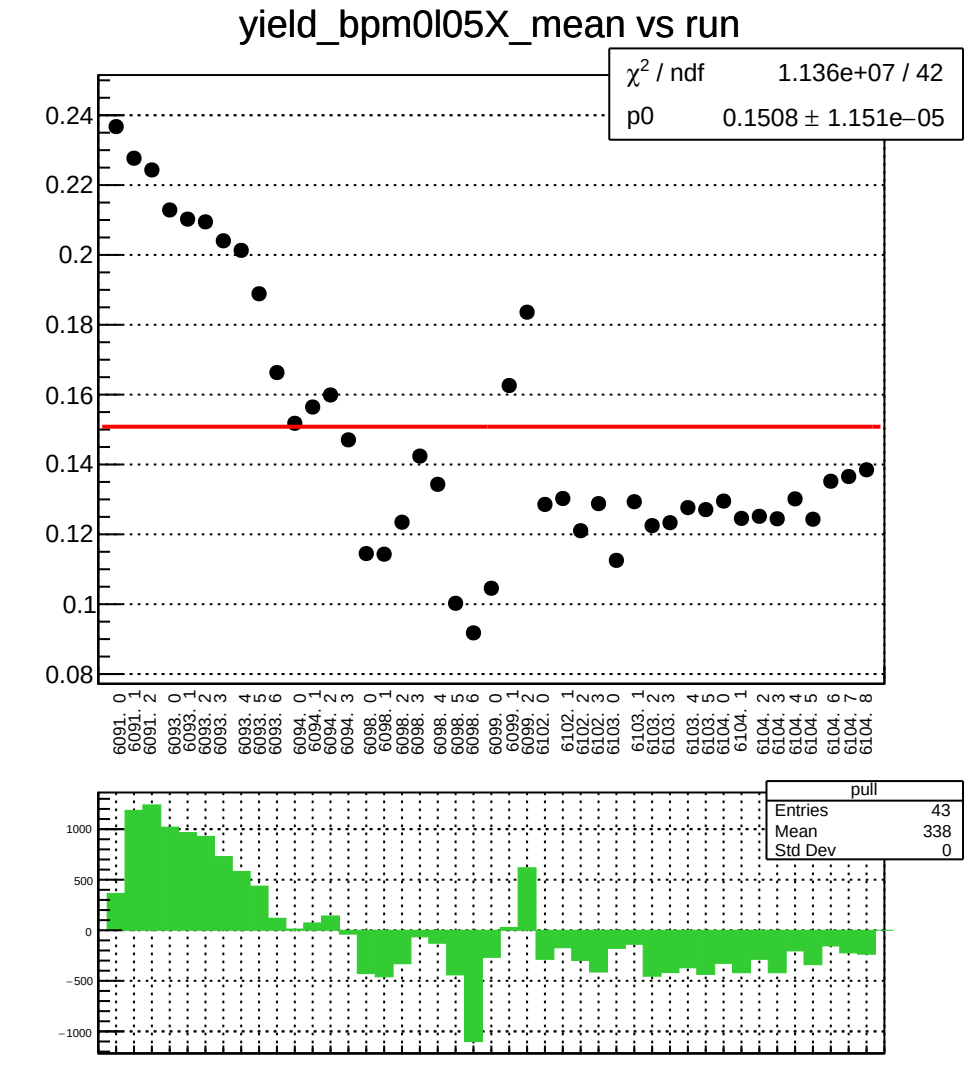

yield_bpm0l04X_mean vs run
χ² / ndf 9.742e+06 / 42
p0 −1.002 ± 2.627e−05
−0.9
−0.95
−1
−1.05
−1.1
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean −405.9
Std Dev 0
800
600
400
200
0
−200
−400
−600
−800
−1000

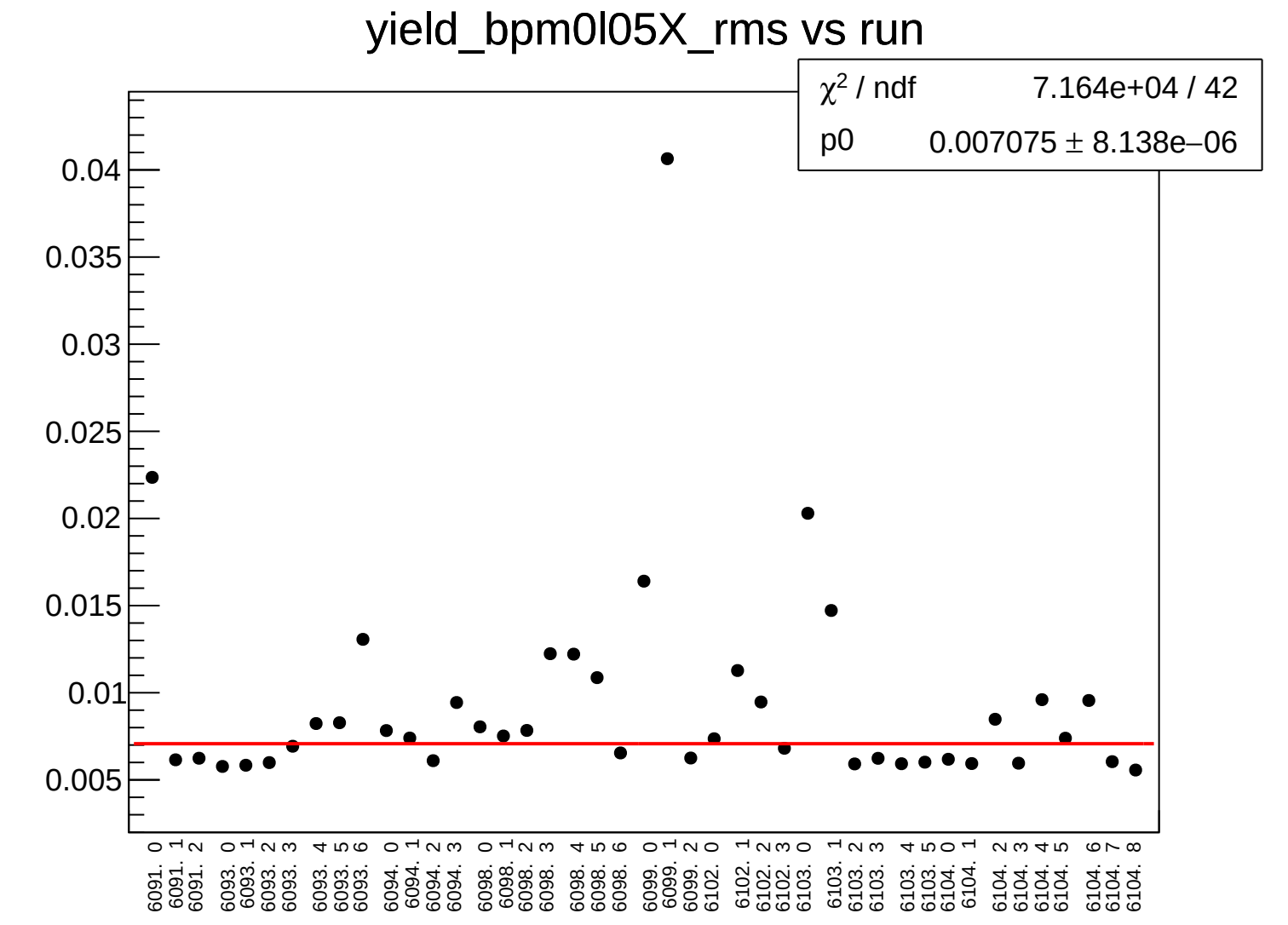

pull1D
Entries 43
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

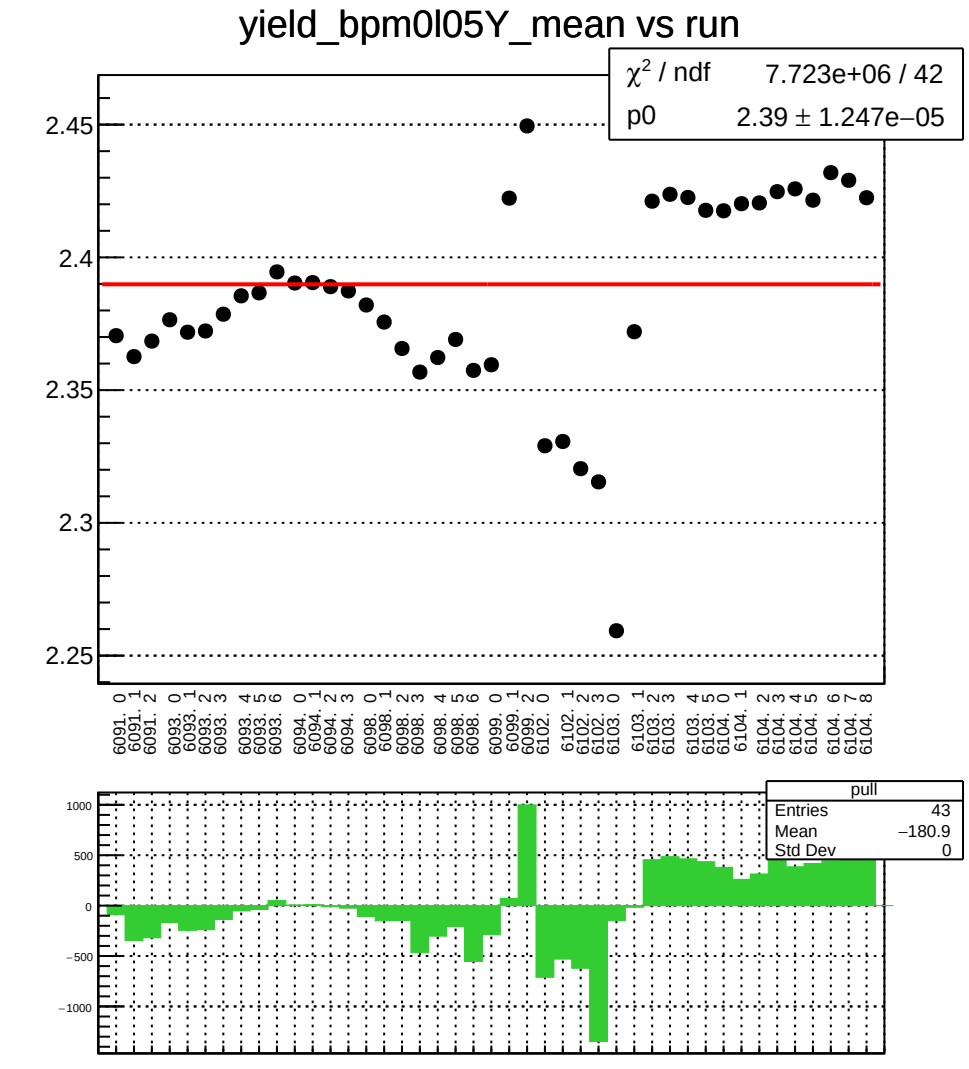

yield_bpm0l04X_rms vs run
χ² / ndf 7.537e+04 / 42
p0 0.01611 ± 1.857e–05
0.1
0.08
0.06
0.04
0.02
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

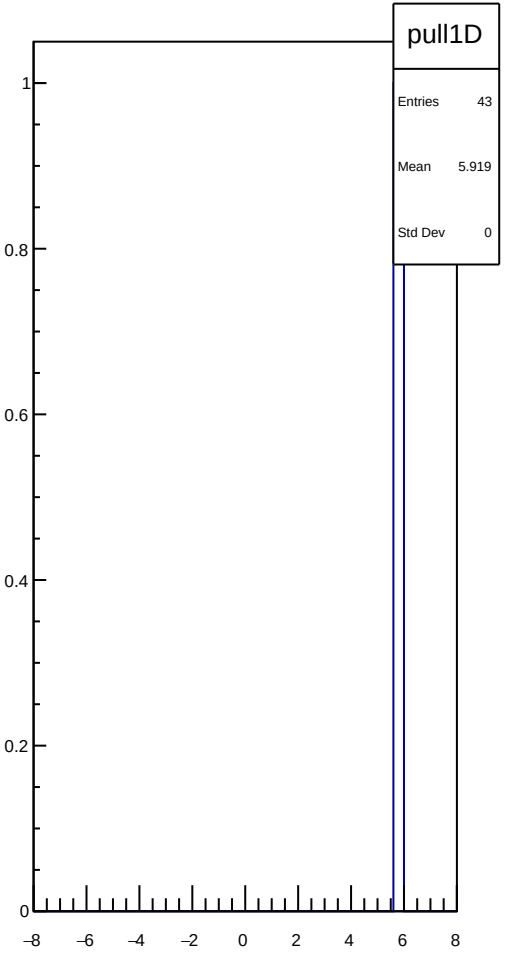

yield_bpm0l04Y_mean vs run
χ² / ndf 3.014e+07 / 42
p0 0.9157 ± 5.061e−06
0.95
0.94
0.93
0.92
0.91
0.9
0.89
0.88
0.87
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 1367
Std Dev 0
1000
500
0
−500
−1000
−1500
pull1D
Entries 43
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

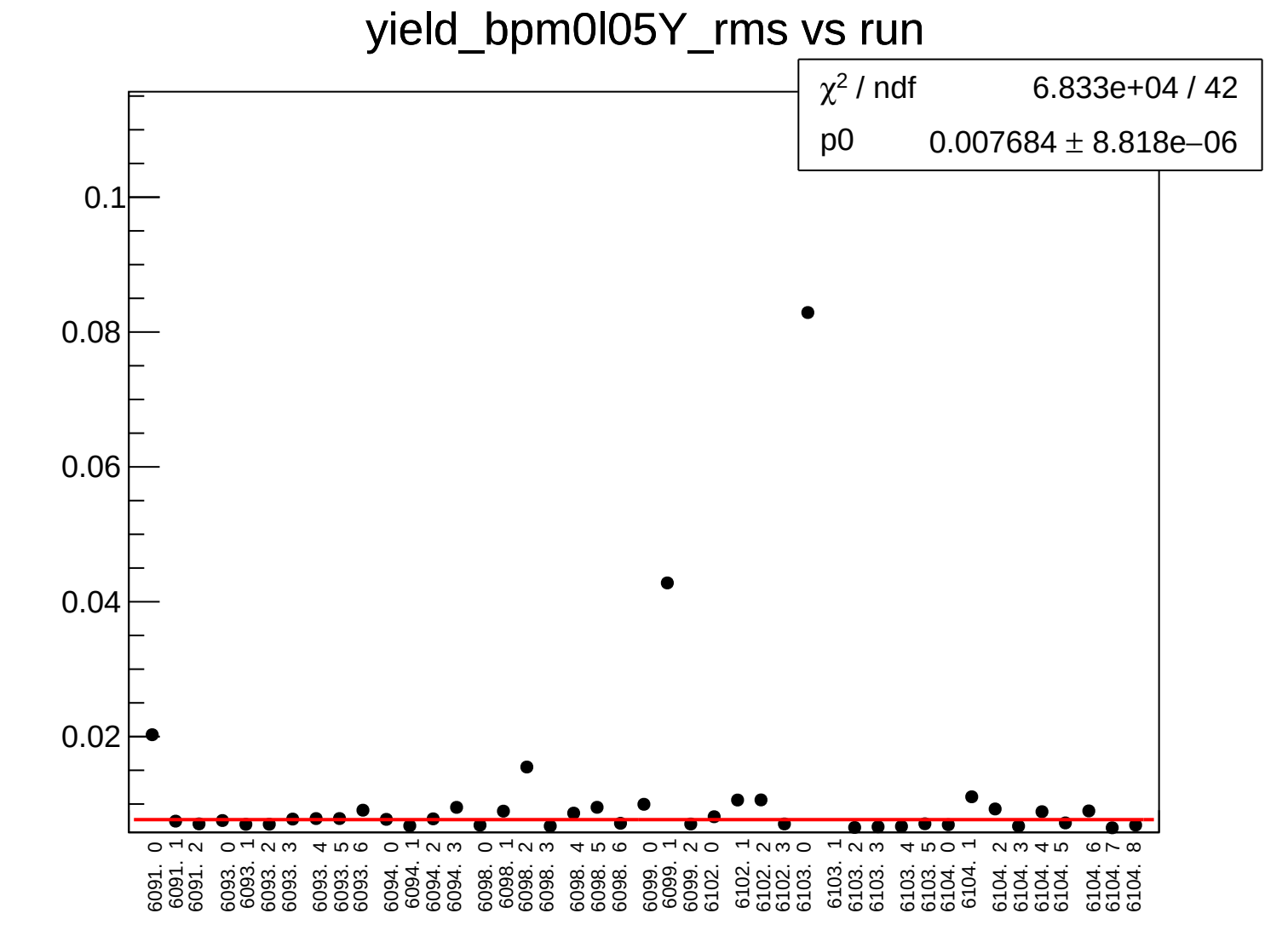

yield_bpm0l04Y_rms vs run
χ² / ndf 2.21e+04 / 42
p0 0.003212 ± 3.579e−06
0.011
0.01
0.009
0.008
0.007
0.006
0.005
0.004
0.003
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

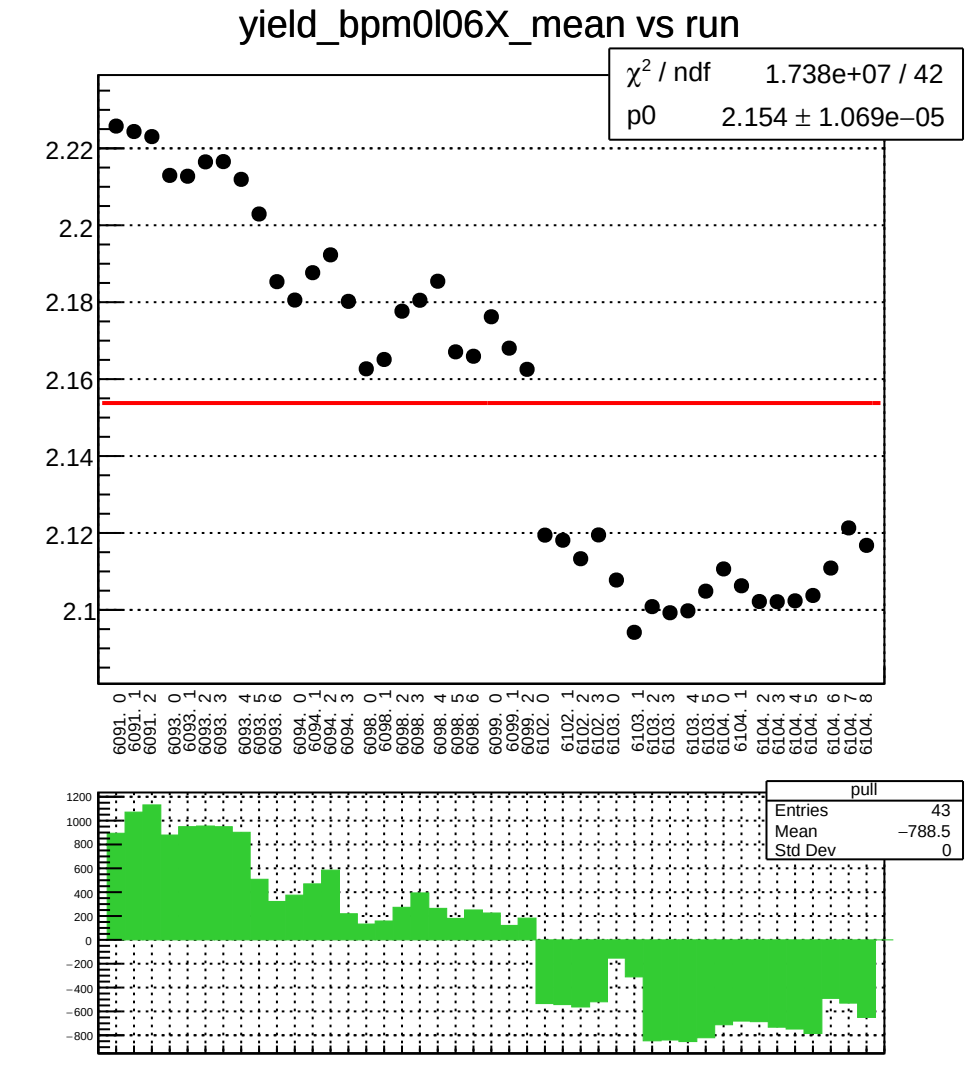

yield_bpm0l05X_mean vs run
χ² / ndf 1.136e+07 / 42
p0 0.1508 ± 1.151e−05
0.24
0.22
0.2
0.18
0.16
0.14
0.12
0.1
0.08
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 338
Std Dev 0
1000
500
0
−500
−1000
pull1D
Entries 43
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

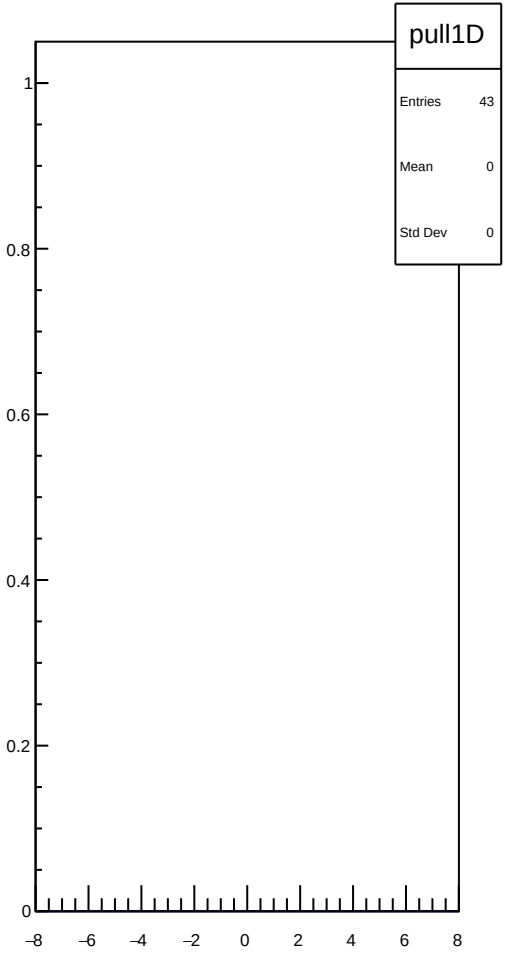

yield_bpm0l05X_rms vs run
χ² / ndf 7.164e+04 / 42
p0 0.007075 ± 8.138e−06
0.04
0.035
0.03
0.025
0.02
0.015
0.01
0.005
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

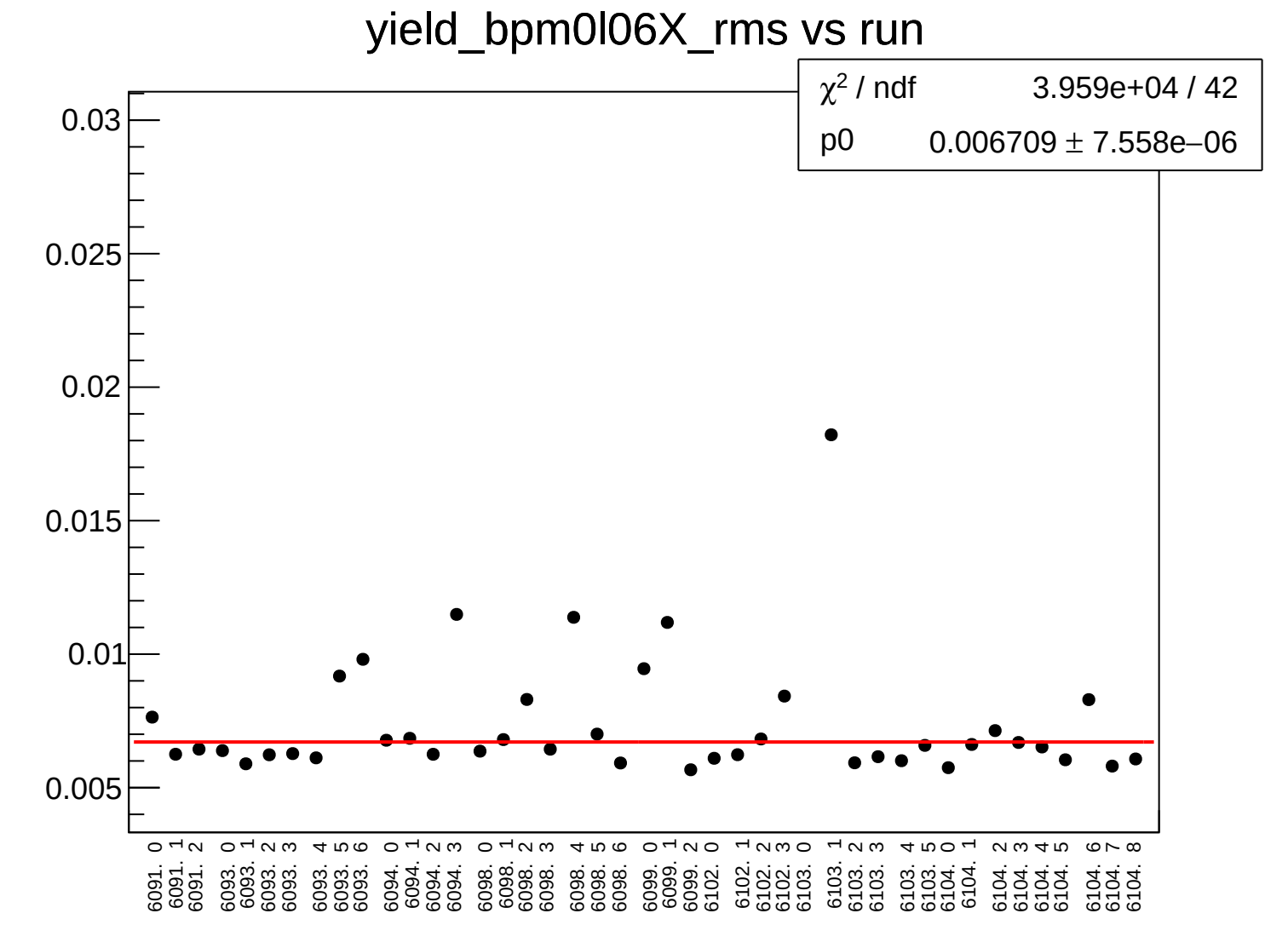

yield_bpm0l05Y_mean vs run
χ² / ndf 7.723e+06 / 42
p0 2.39 ± 1.247e−05
2.45
2.4
2.35
2.3
2.25
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean −180.9
Std Dev 0
1000
500
0
−500
−1000

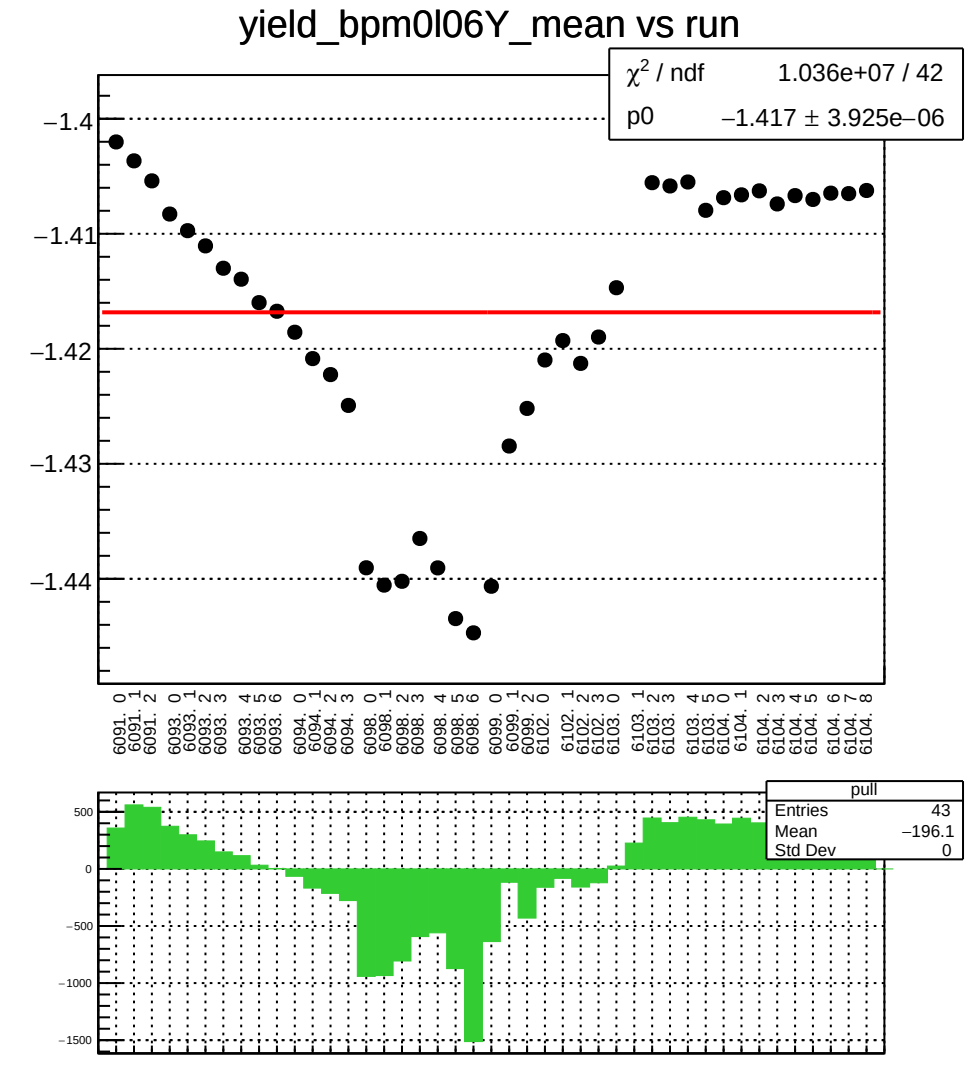

pull1D
Entries 43
Mean 5.919
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

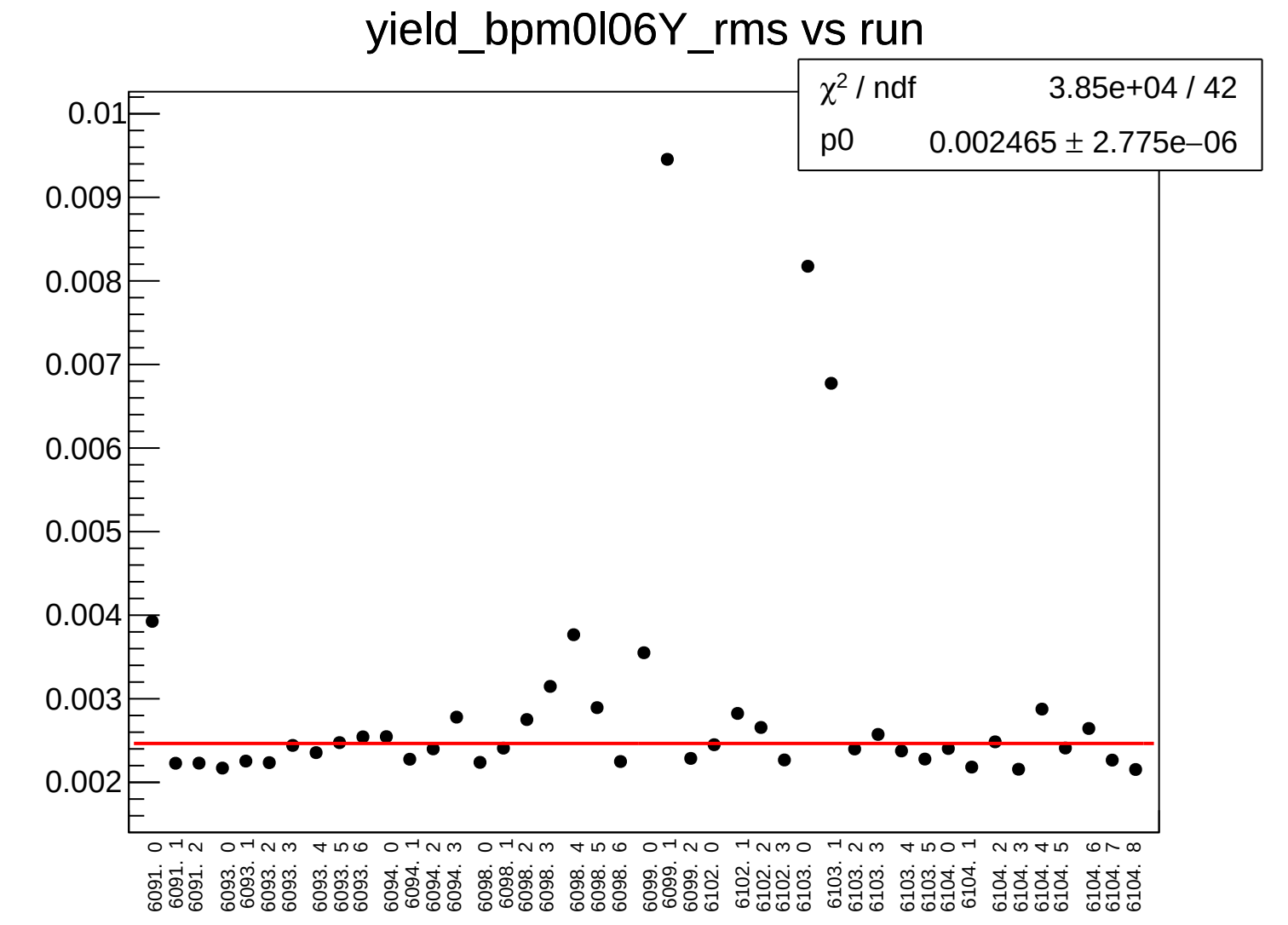

yield_bpm0l05Y_rms vs run
χ² / ndf 6.833e+04 / 42
p0 0.007684 ± 8.818e−06
0.1
0.08
0.06
0.04
0.02
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

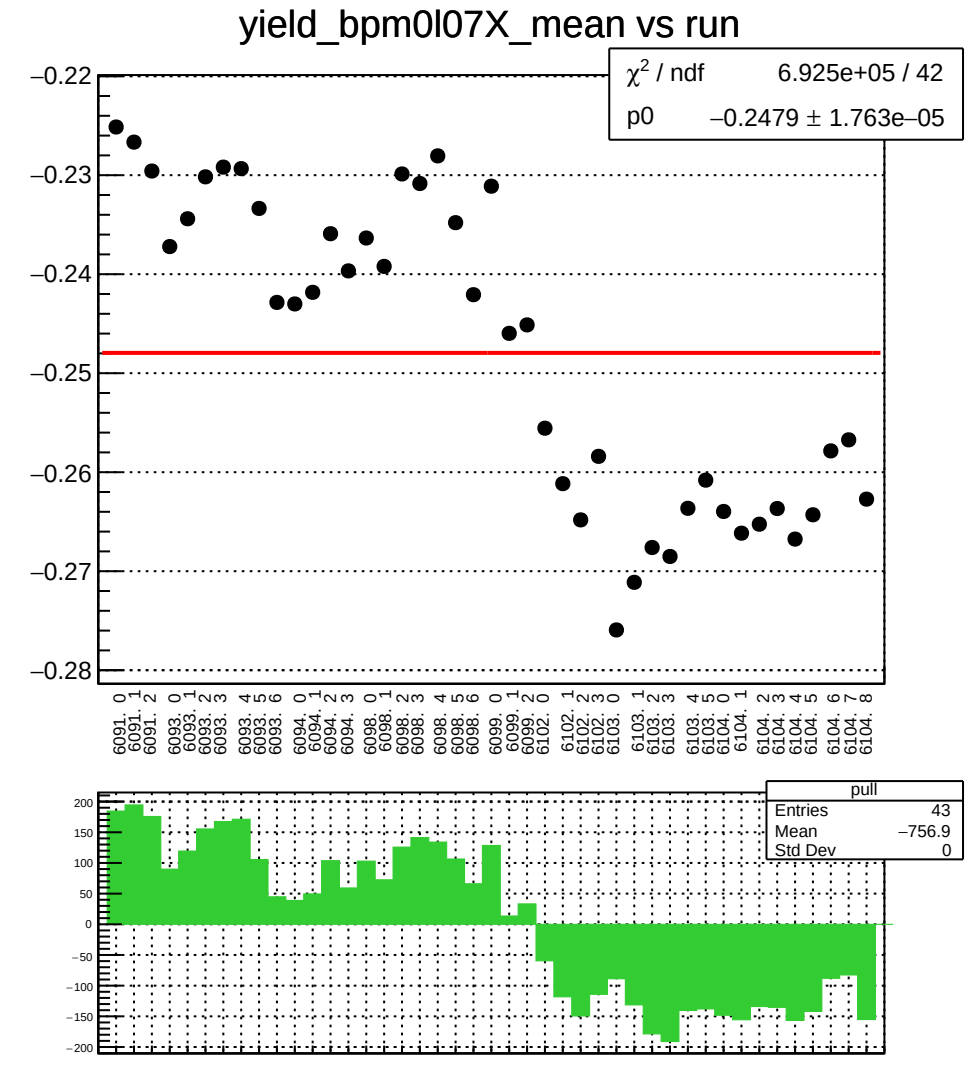

yield_bpm0l06X_mean vs run
χ² / ndf 1.738e+07 / 42
p0 2.154 ± 1.069e−05
2.22
2.2
2.18
2.16
2.14
2.12
2.1
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean −788.5
Std Dev 0
1200
1000
800
600
400
200
0
−200
−400
−600
−800

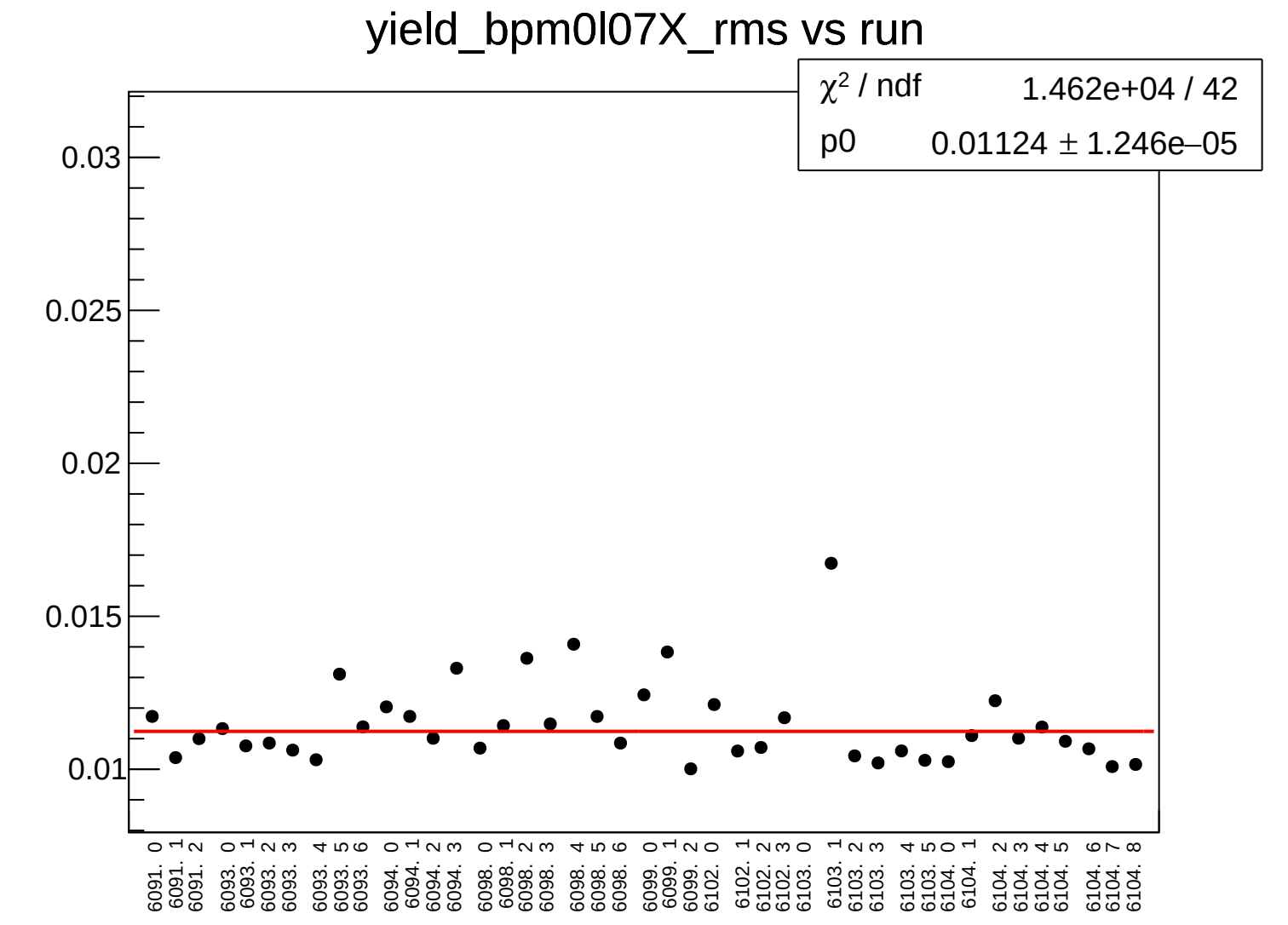

pull1D
Entries 43
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

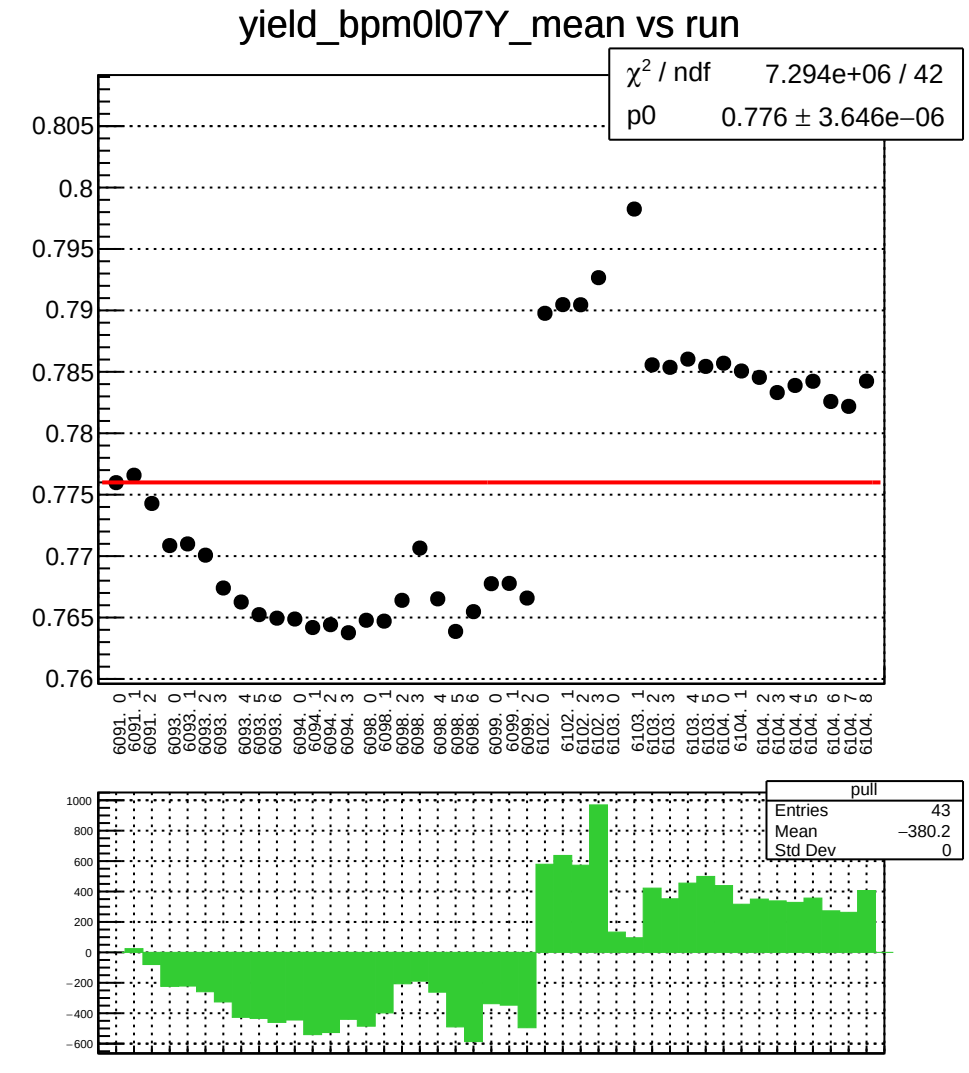

yield_bpm0l06X_rms vs run
χ² / ndf 3.959e+04 / 42
p0 0.006709 ± 7.558e−06
0.03
0.025
0.02
0.015
0.01
0.005
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

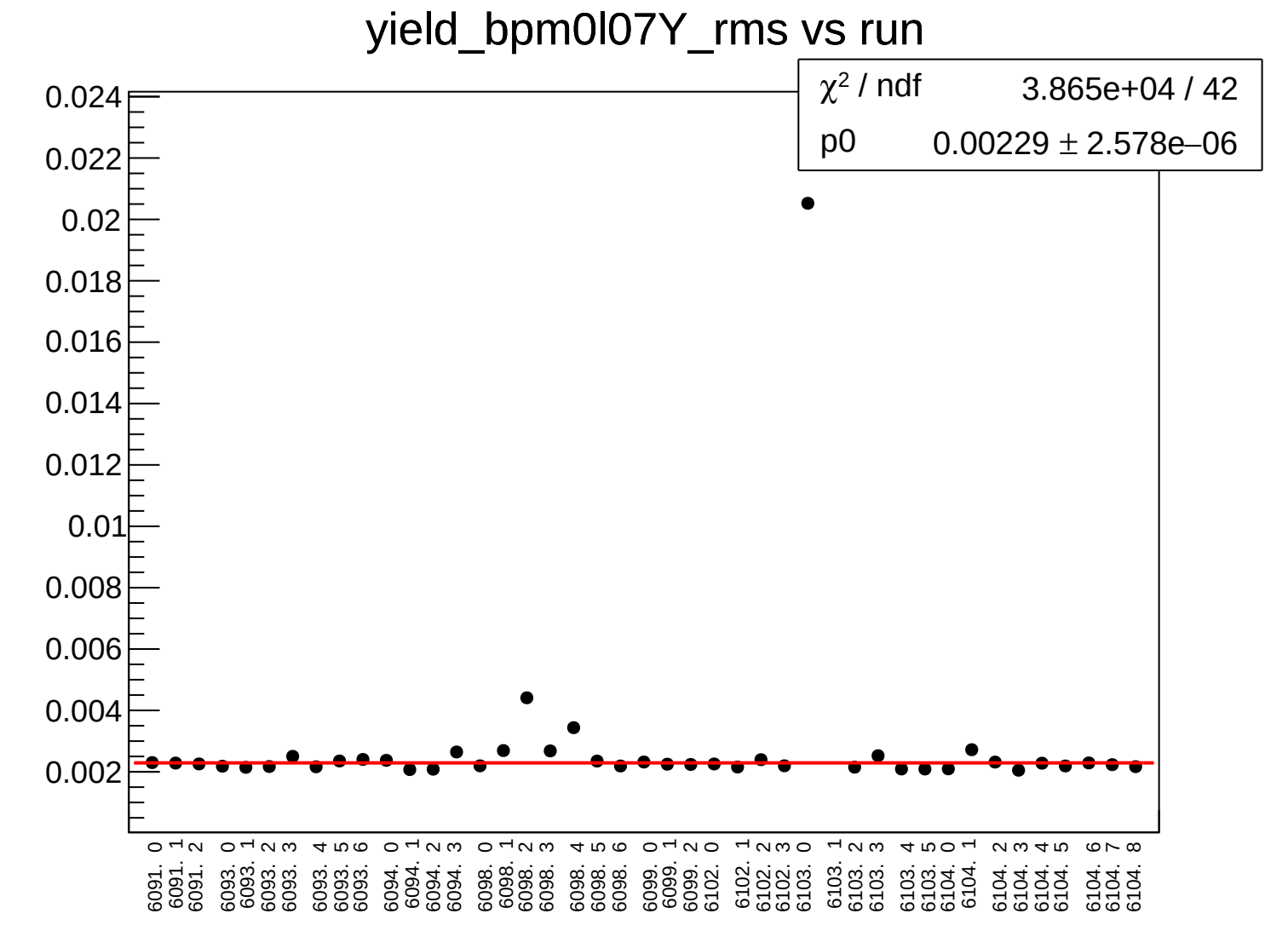

yield_bpm0l06Y_mean vs run
χ² / ndf 1.036e+07 / 42
p0 −1.417 ± 3.925e−06
−1.4
−1.41
−1.42
−1.43
−1.44
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean −196.1
Std Dev 0
500
0
−500
−1000
−1500
pull1D
Entries 43
Mean 3.629
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

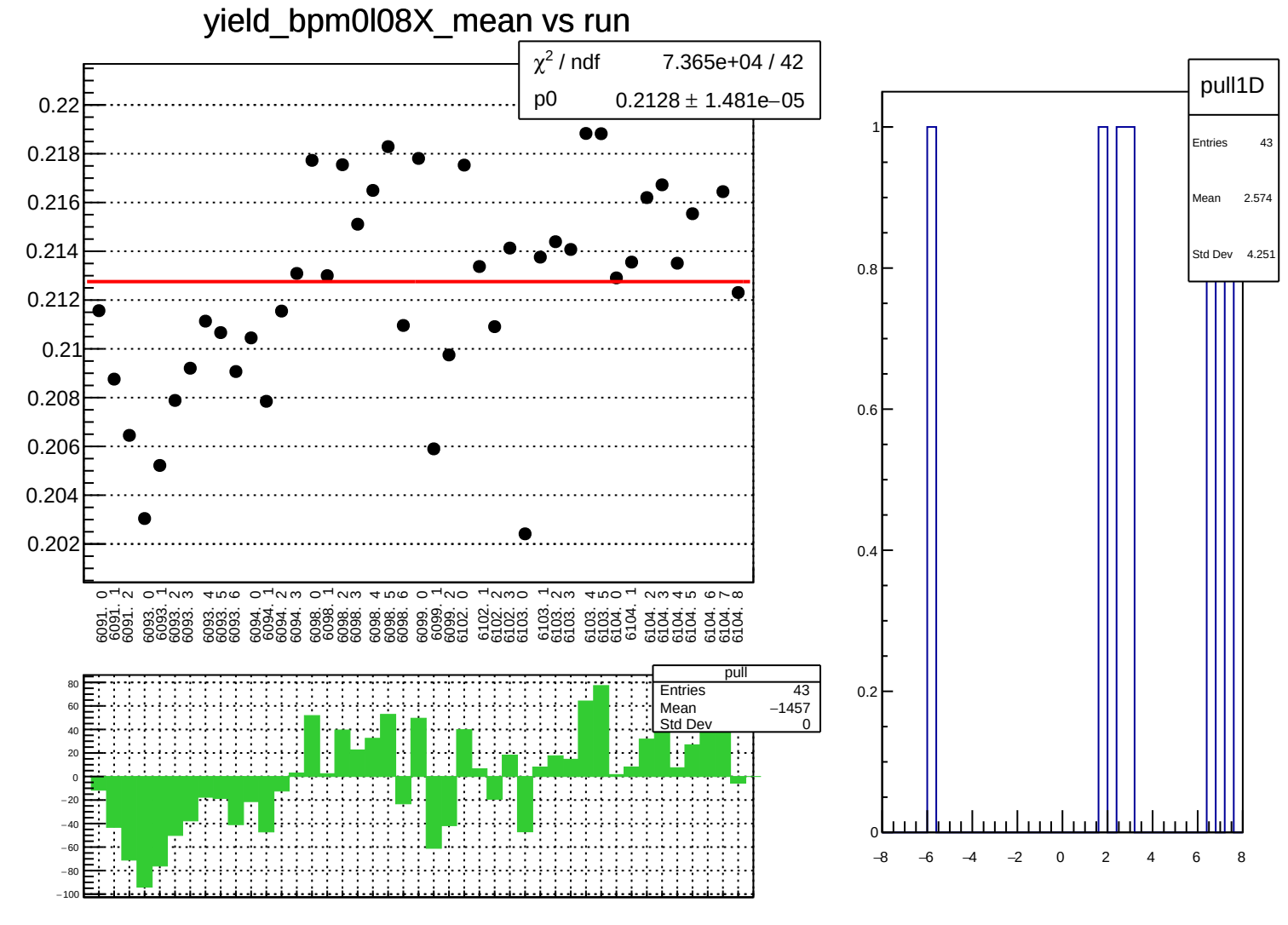

yield_bpm0l06Y_rms vs run
χ² / ndf 3.85e+04 / 42
p0 0.002465 ± 2.775e−06
0.01
0.009
0.008
0.007
0.006
0.005
0.004
0.003
0.002
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

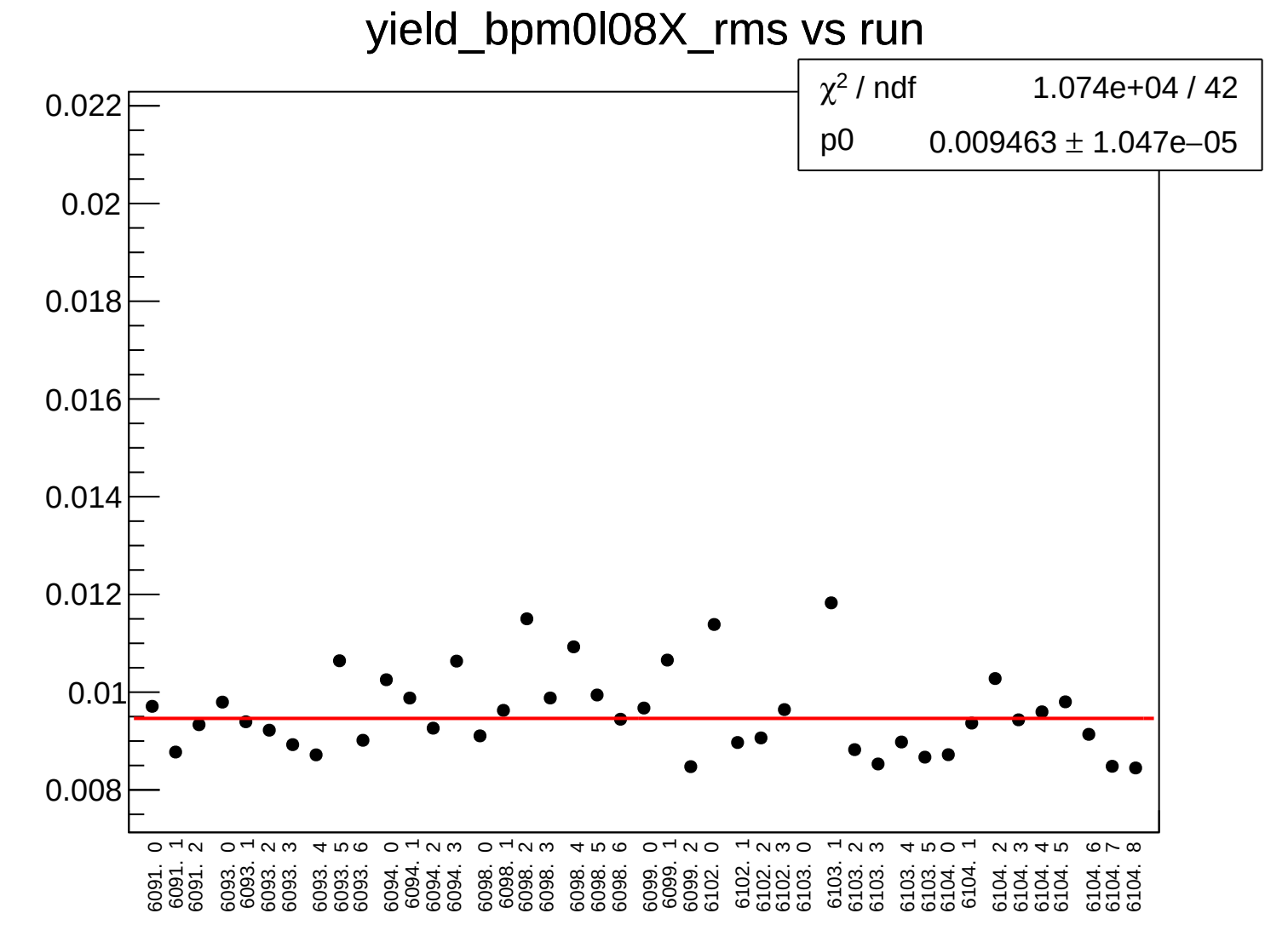

yield_bpm0l07X_mean vs run
χ² / ndf 6.925e+05 / 42
p0 −0.2479 ± 1.763e−05
−0.22
−0.23
−0.24
−0.25
−0.26
−0.27
−0.28
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean −756.9
Std Dev 0
200
150
100
50
0
−50
−100
−150
−200
pull1D
Entries 43
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

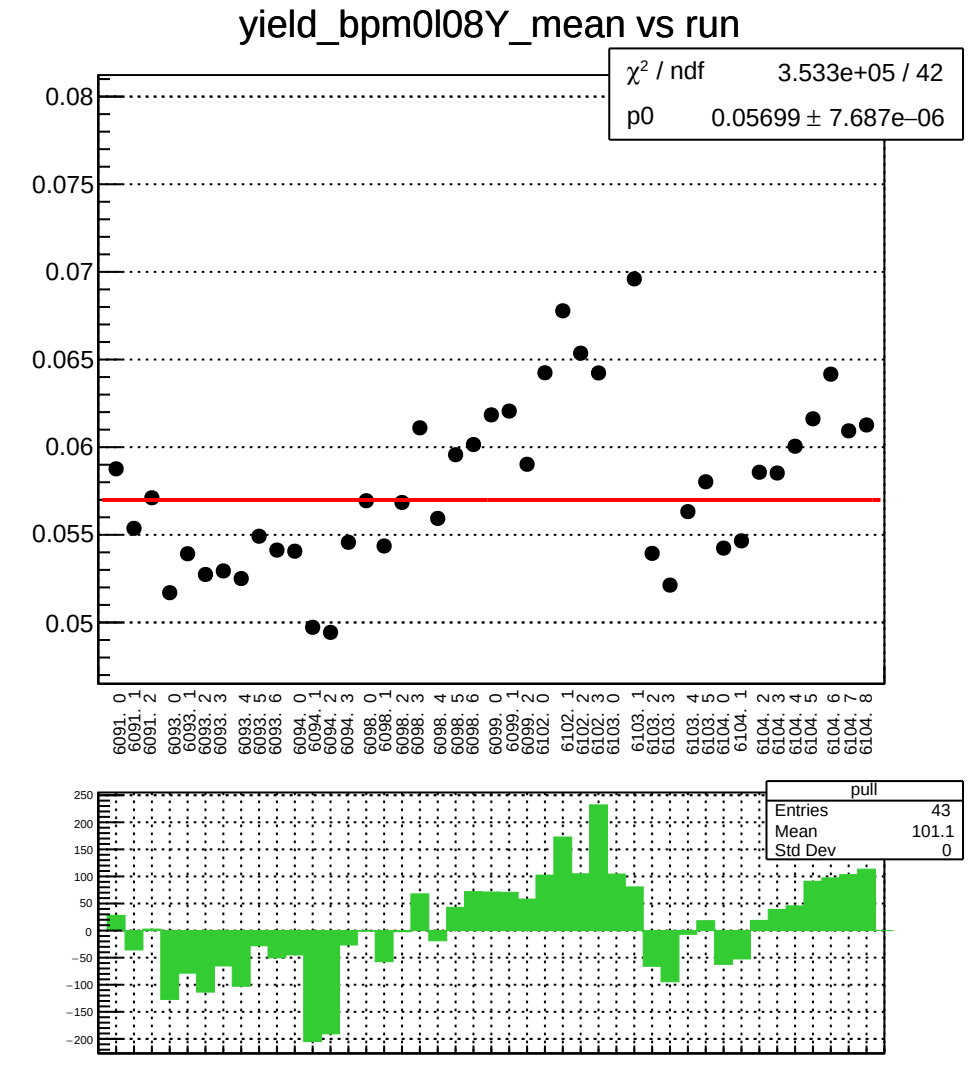

yield_bpm0l07X_rms vs run
χ² / ndf 1.462e+04 / 42
p0 0.01124 ± 1.246e−05
0.03
0.025
0.02
0.015
0.01
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

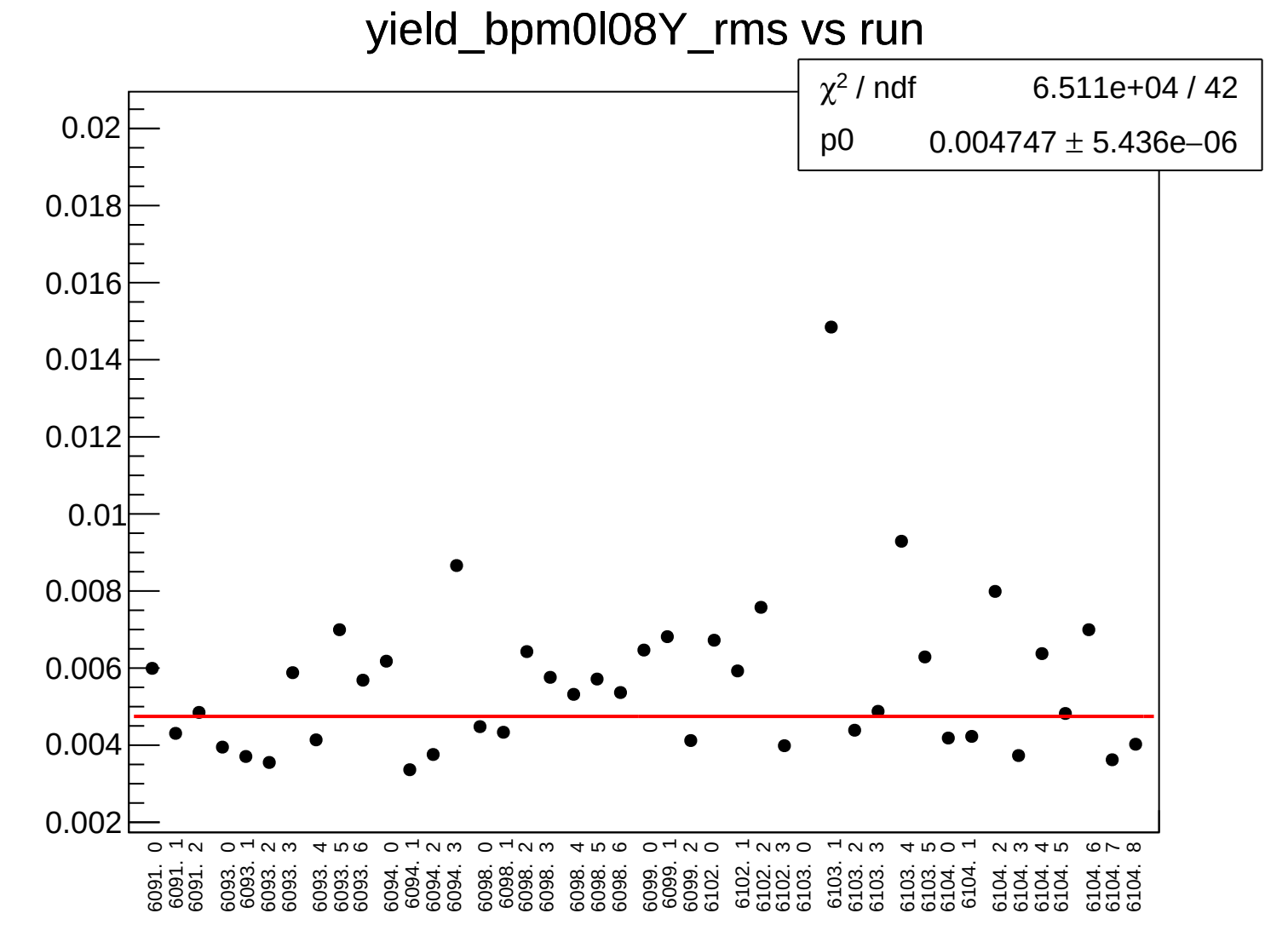

yield_bpm0l07Y_mean vs run
χ² / ndf 7.294e+06 / 42
p0 0.776 ± 3.646e−06
0.805
0.8
0.795
0.79
0.785
0.78
0.775
0.77
0.765
0.76
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean −380.2
Std Dev 0
1000
800
600
400
200
0
−200
−400
−600
pull1D
Entries 43
Mean −0.7007
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

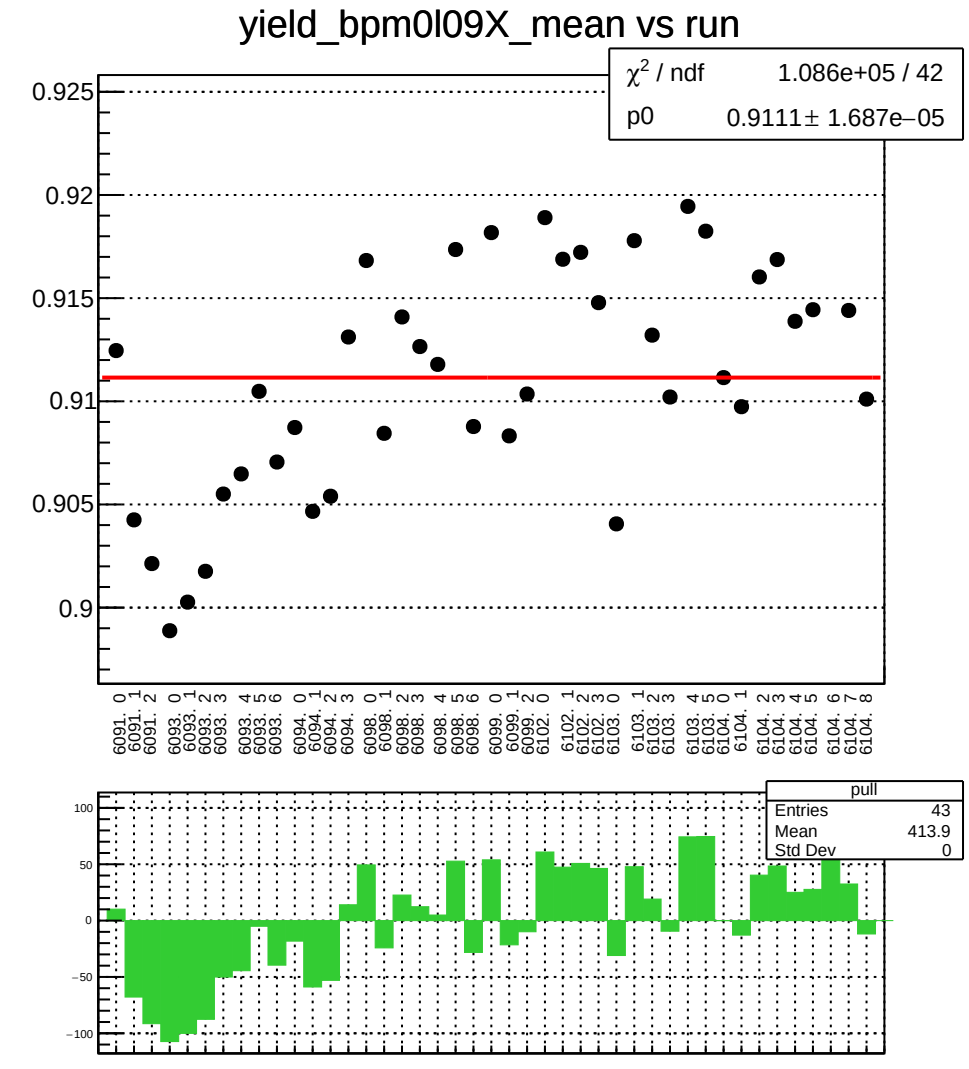

yield_bpm0l07Y_rms vs run
χ² / ndf 3.865e+04 / 42
p0 0.00229 ± 2.578e–06
0.024
0.022
0.02
0.018
0.016
0.014
0.012
0.01
0.008
0.006
0.004
0.002
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

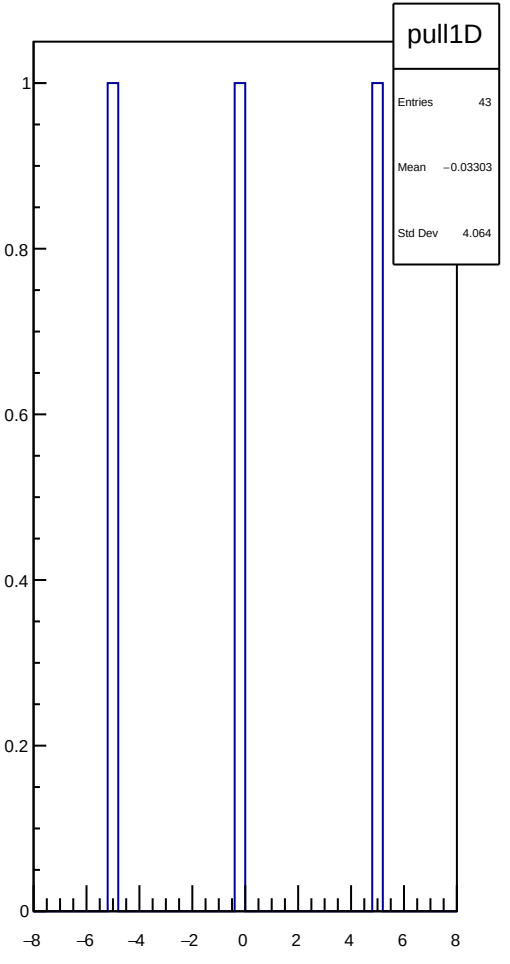

yield_bpm0l08X_mean vs run
χ² / ndf 7.365e+04 / 42
p0 0.2128 ± 1.481e−05
0.22
0.218
0.216
0.214
0.212
0.21
0.208
0.206
0.204
0.202
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean −1457
Std Dev 0
80
60
40
20
0
−20
−40
−60
−80
−100
pull1D
Entries 43
Mean 2.574
Std Dev 4.251
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

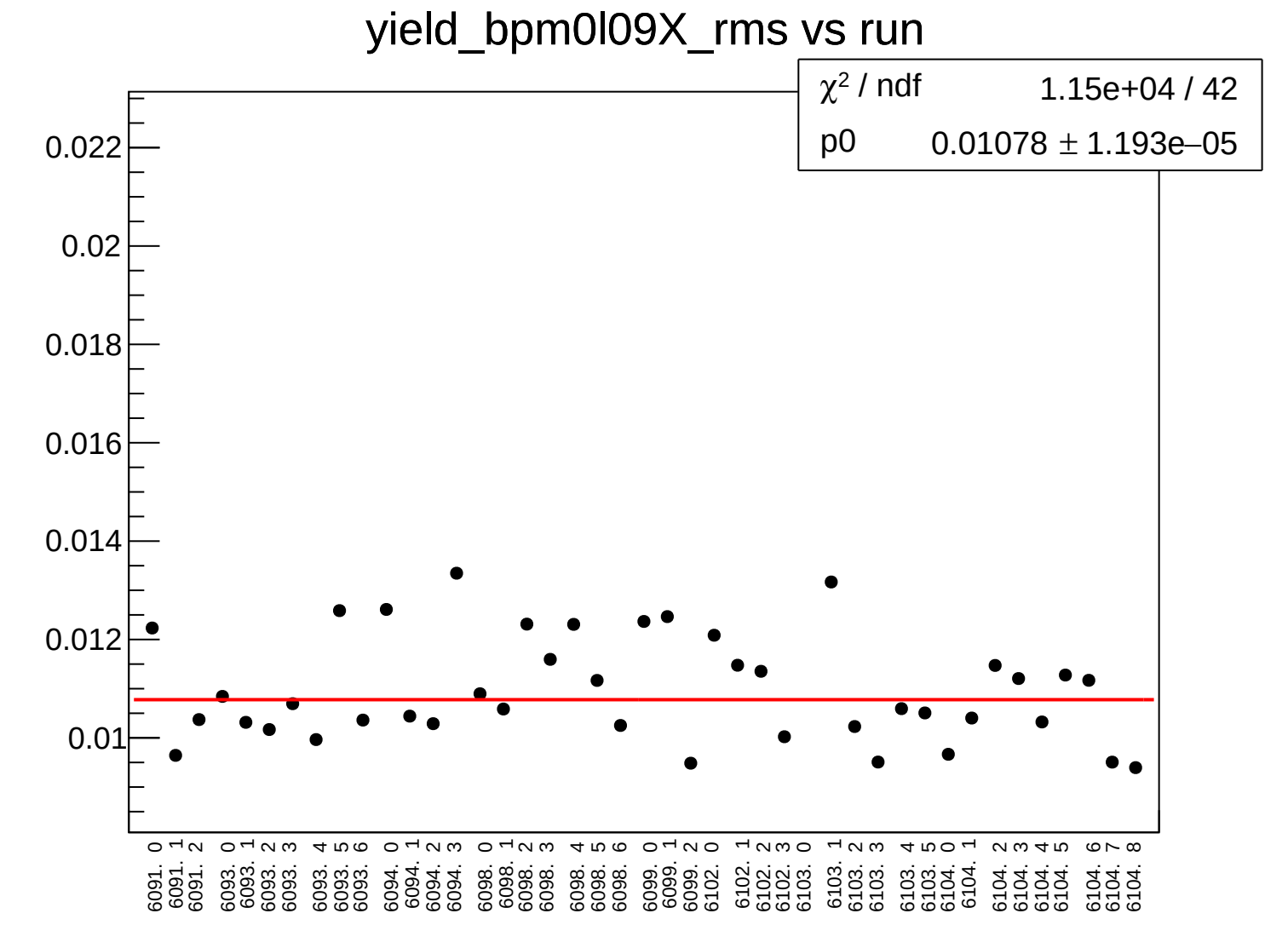

yield_bpm0l08X_rms vs run
χ² / ndf 1.074e+04 / 42
p0 0.009463 ± 1.047e−05
0.022
0.02
0.018
0.016
0.014
0.012
0.01
0.008
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

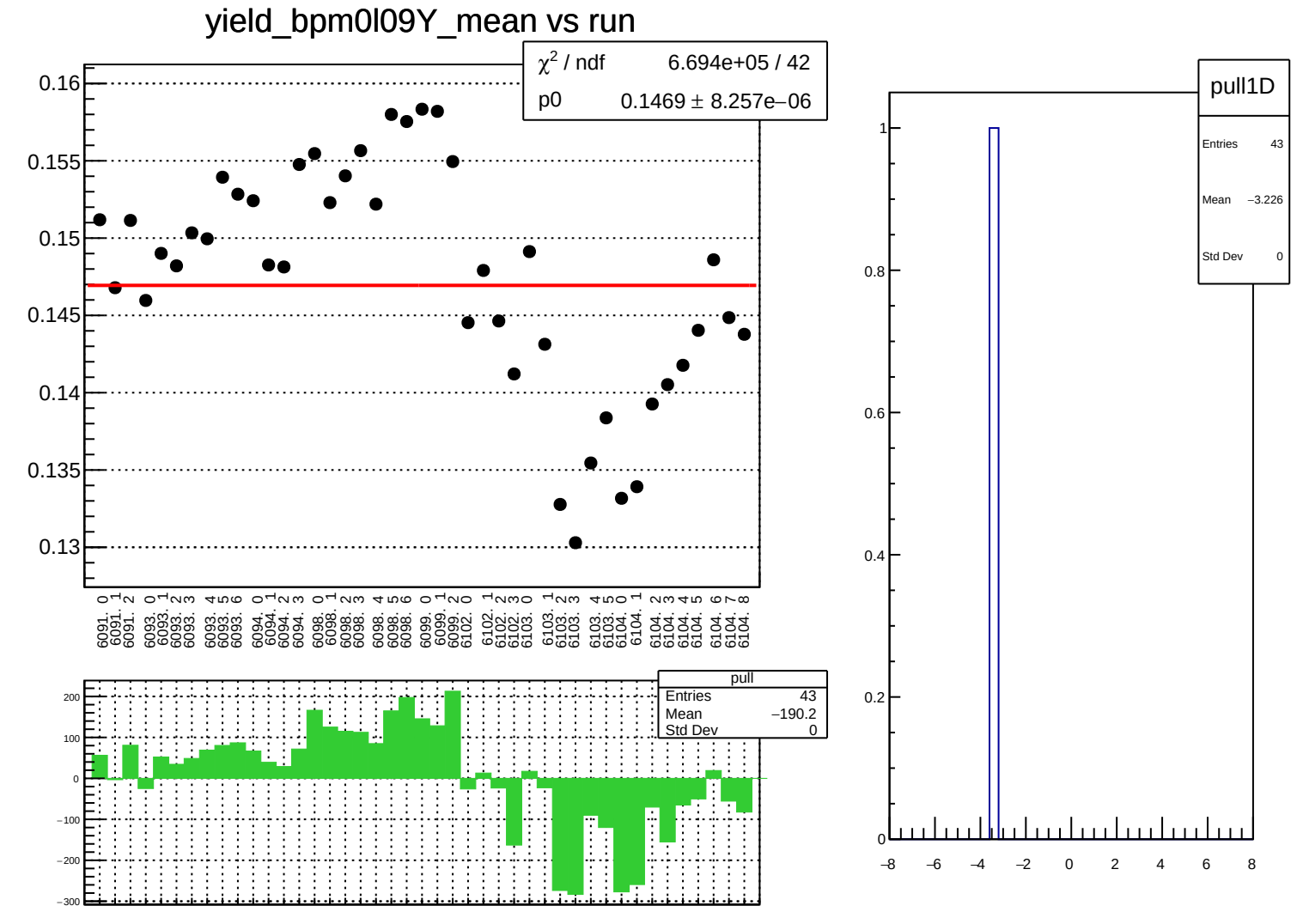

yield_bpm0l08Y_mean vs run
χ² / ndf 3.533e+05 / 42
p0 0.05699 ± 7.687e−06
0.08
0.075
0.07
0.065
0.06
0.055
0.05
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 101.1
Std Dev 0
250
200
150
100
50
0
−50
−100
−150
−200
pull1D
Entries 43
Mean −1.778
Std Dev 3.394
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

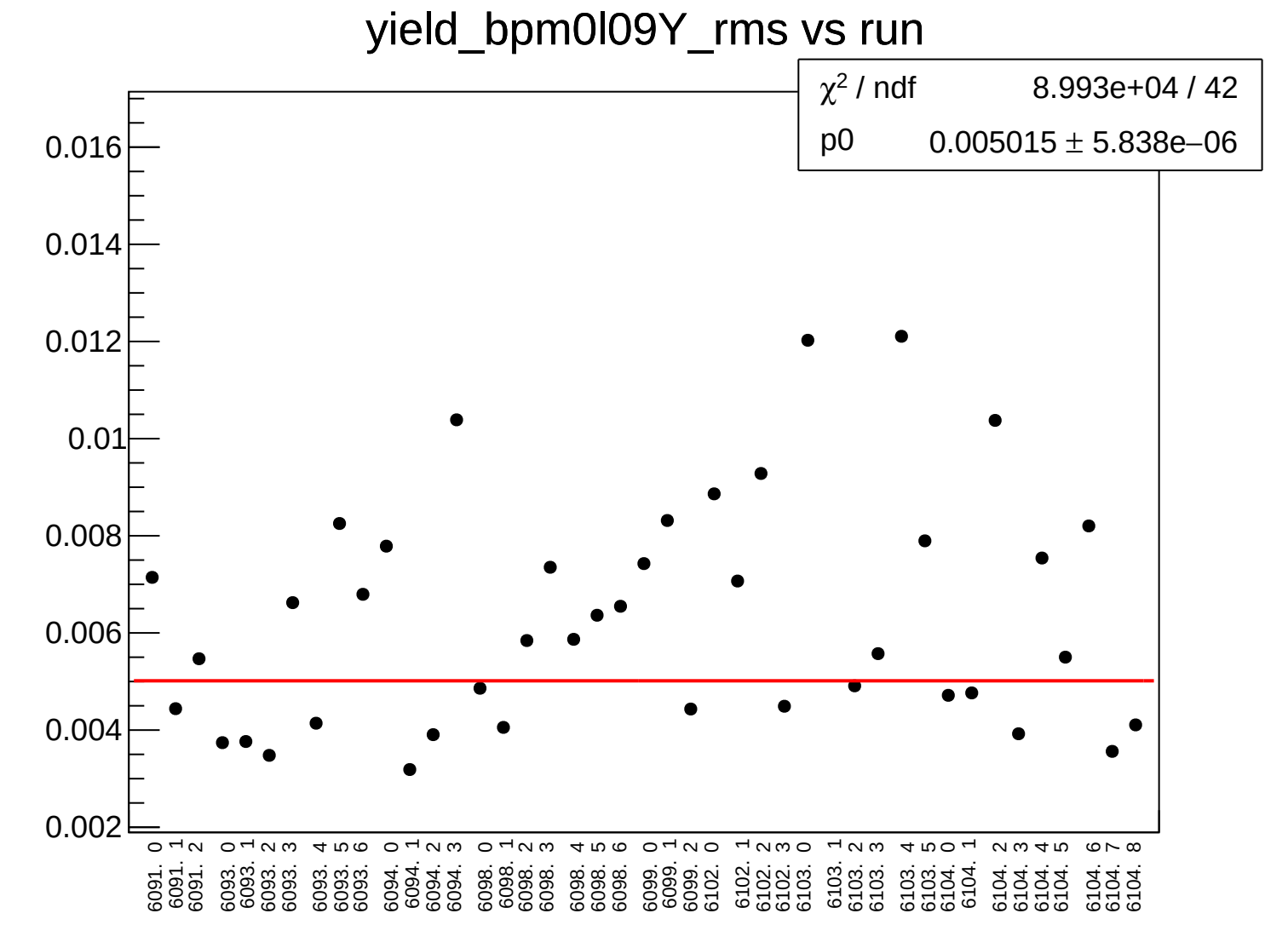

yield_bpm0l08Y_rms vs run
χ² / ndf 6.511e+04 / 42
p0 0.004747 ± 5.436e−06
0.02
0.018
0.016
0.014
0.012
0.01
0.008
0.006
0.004
0.002
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

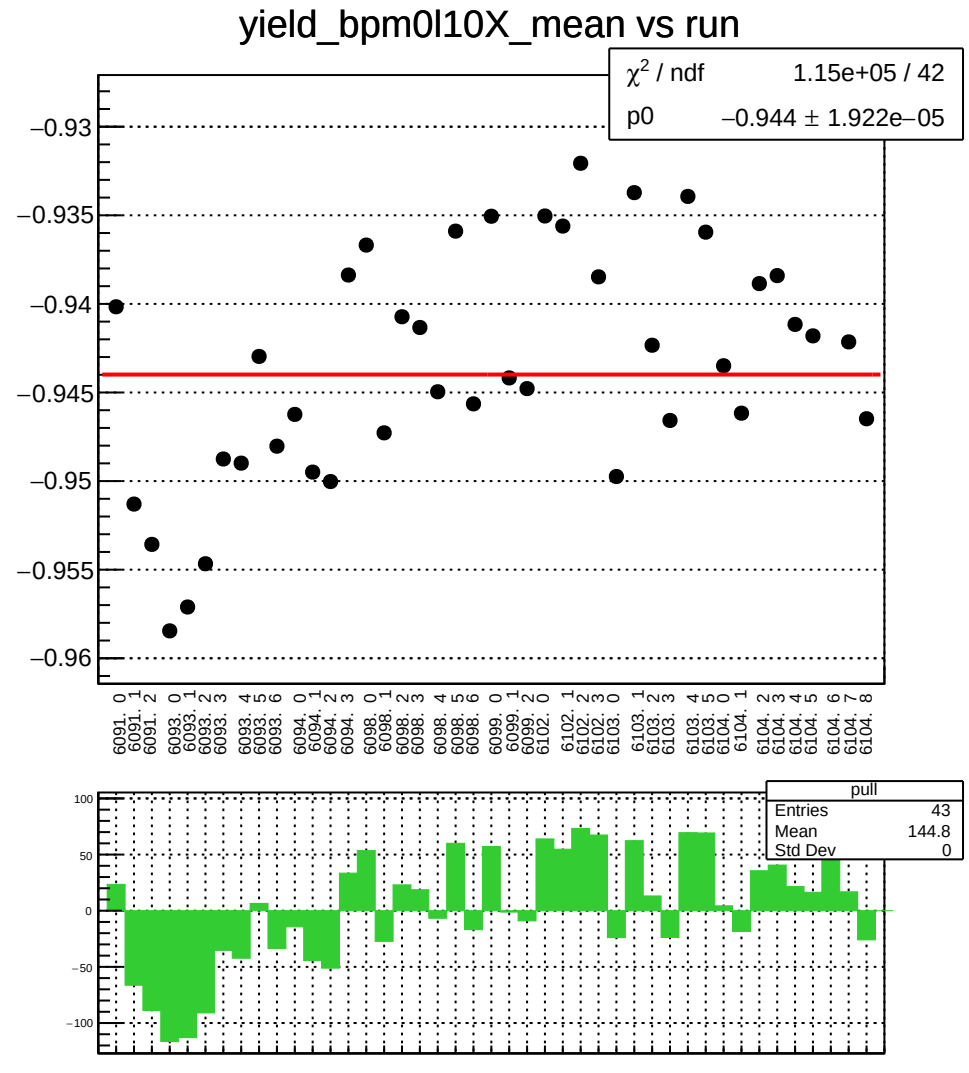

yield_bpm0l09X_mean vs run
χ² / ndf 1.086e+05 / 42
p0 0.9111 ± 1.687e−05
0.925
0.92
0.915
0.91
0.905
0.9
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 413.9
Std Dev 0
100
50
0
−50
−100

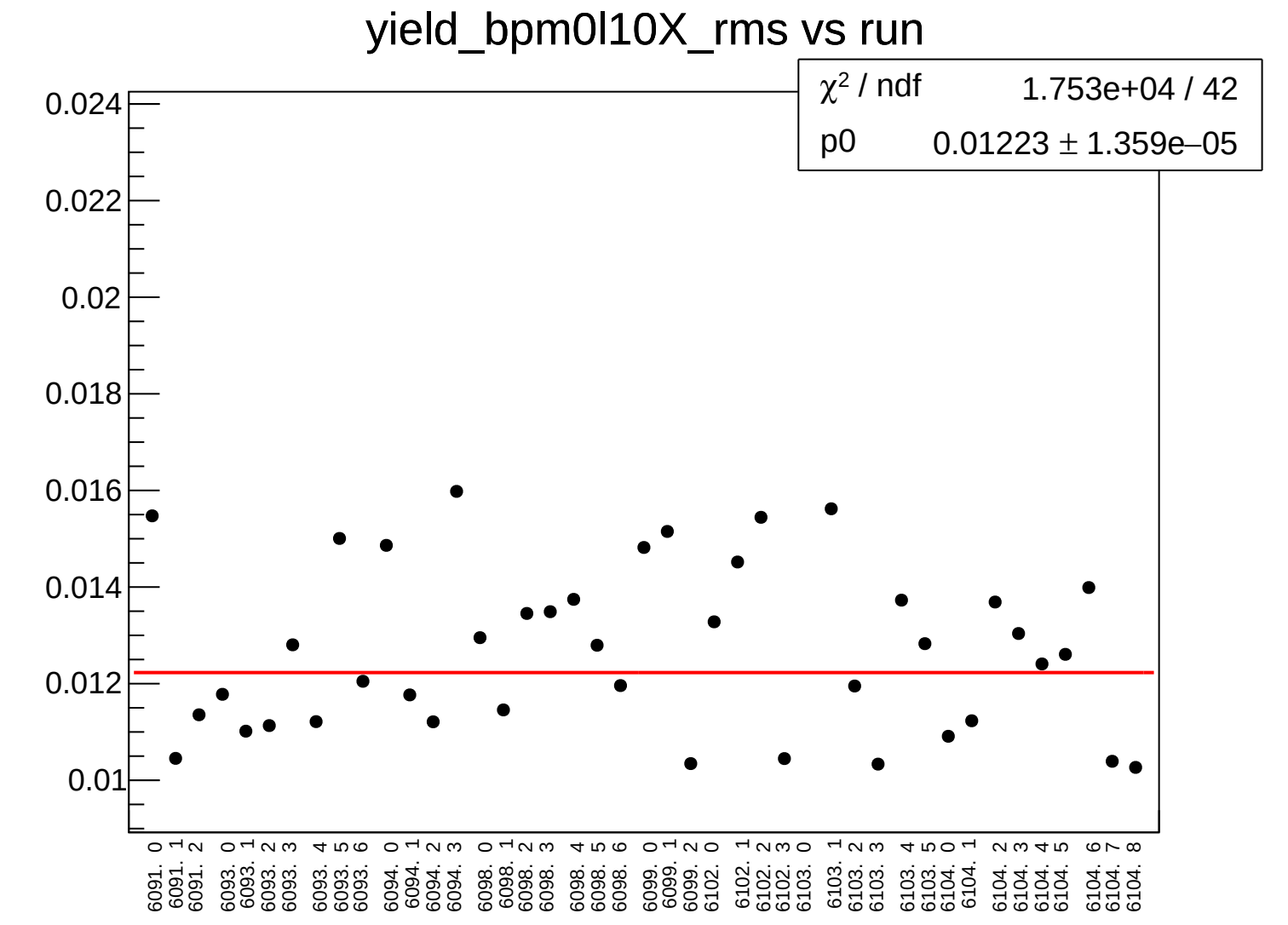

pull1D
Entries 43
Mean −0.03303
Std Dev 4.064
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

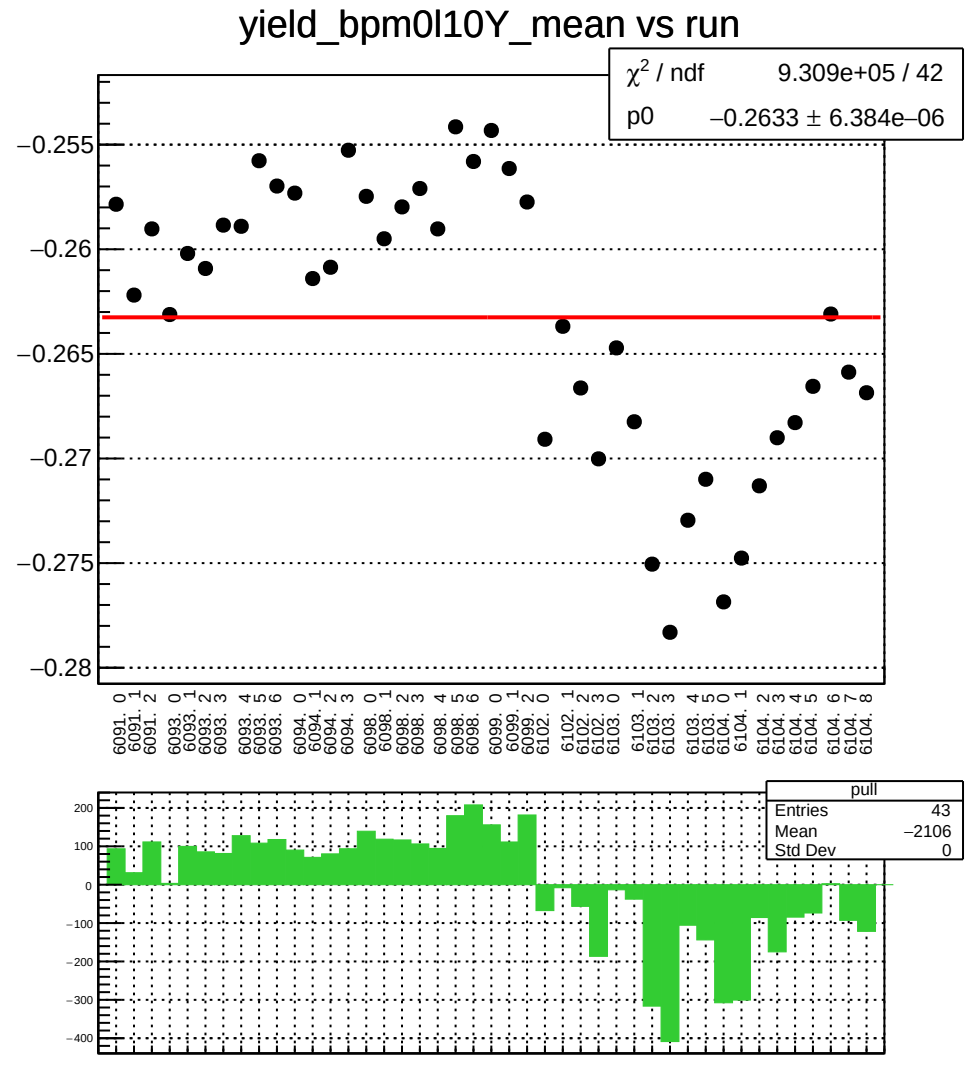

yield_bpm0l09X_rms vs run
χ² / ndf 1.15e+04 / 42
p0 0.01078 ± 1.193e–05
0.022
0.02
0.018
0.016
0.014
0.012
0.01
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

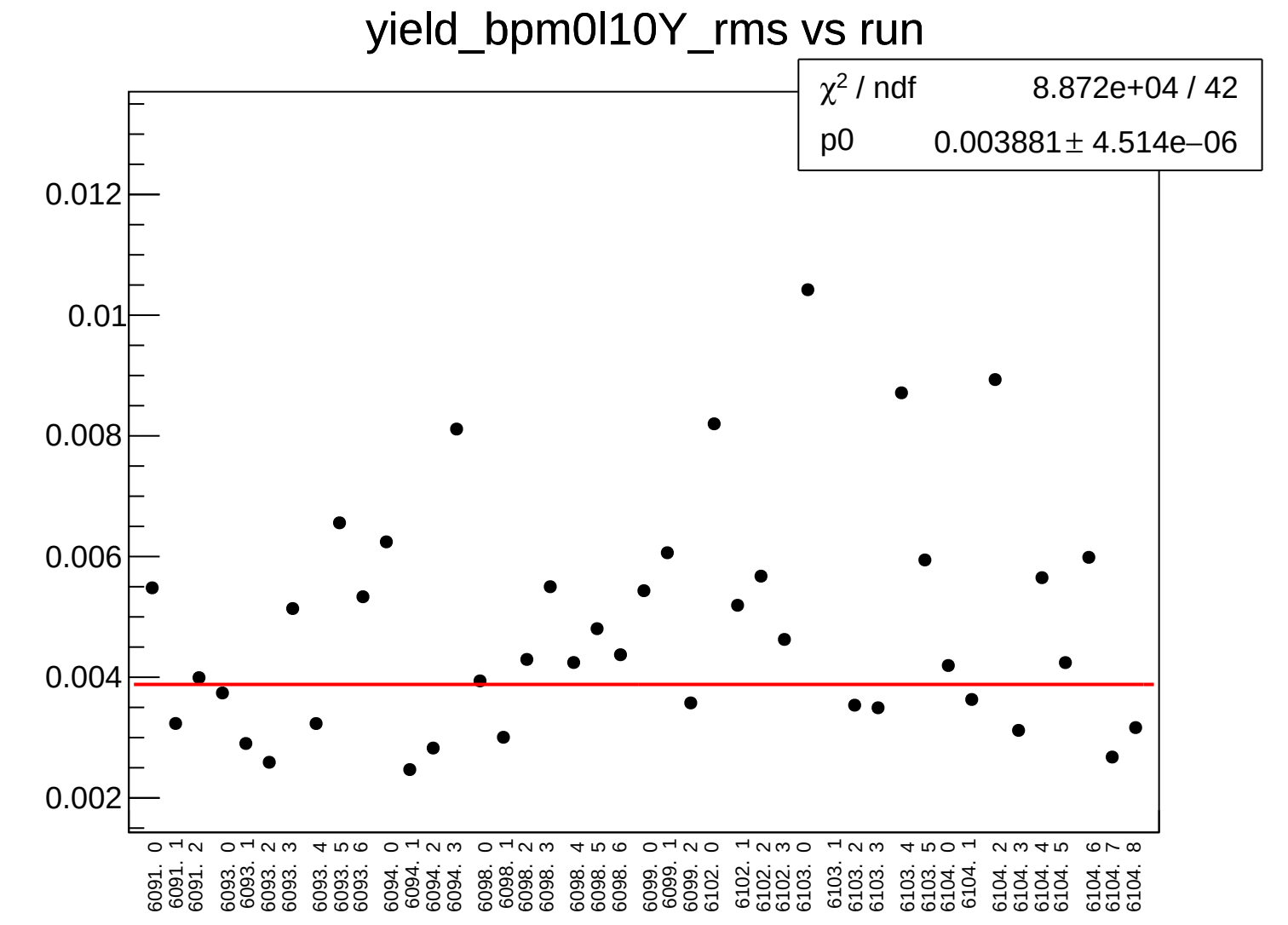

yield_bpm0l09Y_mean vs run
χ² / ndf 6.694e+05 / 42
p0 0.1469 ± 8.257e−06
0.16
0.155
0.15
0.145
0.14
0.135
0.13
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean −190.2
Std Dev 0
200
100
0
−100
−200
−300
pull1D
Entries 43
Mean −3.226
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

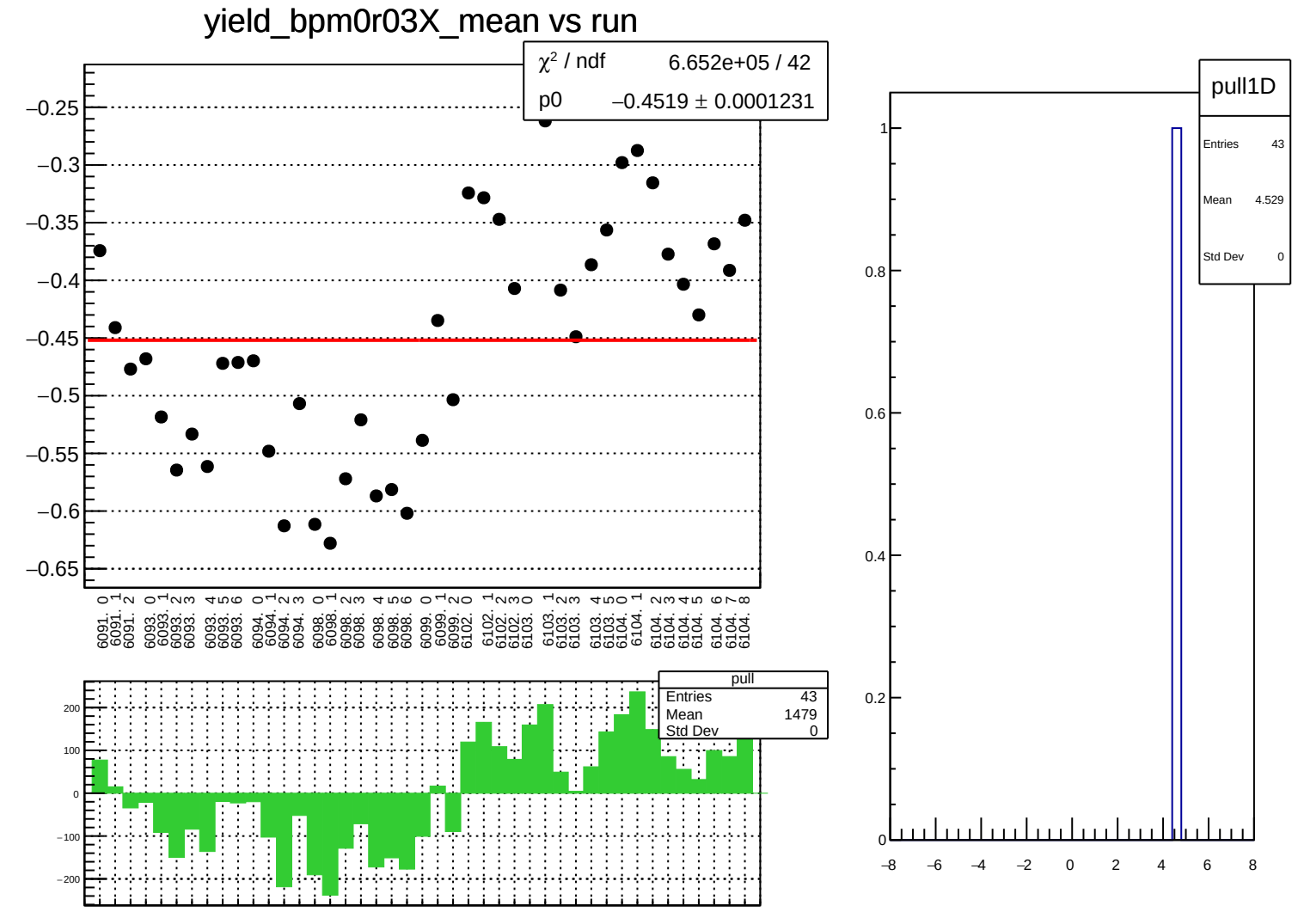

yield_bpm0l09Y_rms vs run
χ² / ndf 8.993e+04 / 42
p0 0.005015 ± 5.838e−06
0.016
0.014
0.012
0.01
0.008
0.006
0.004
0.002
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

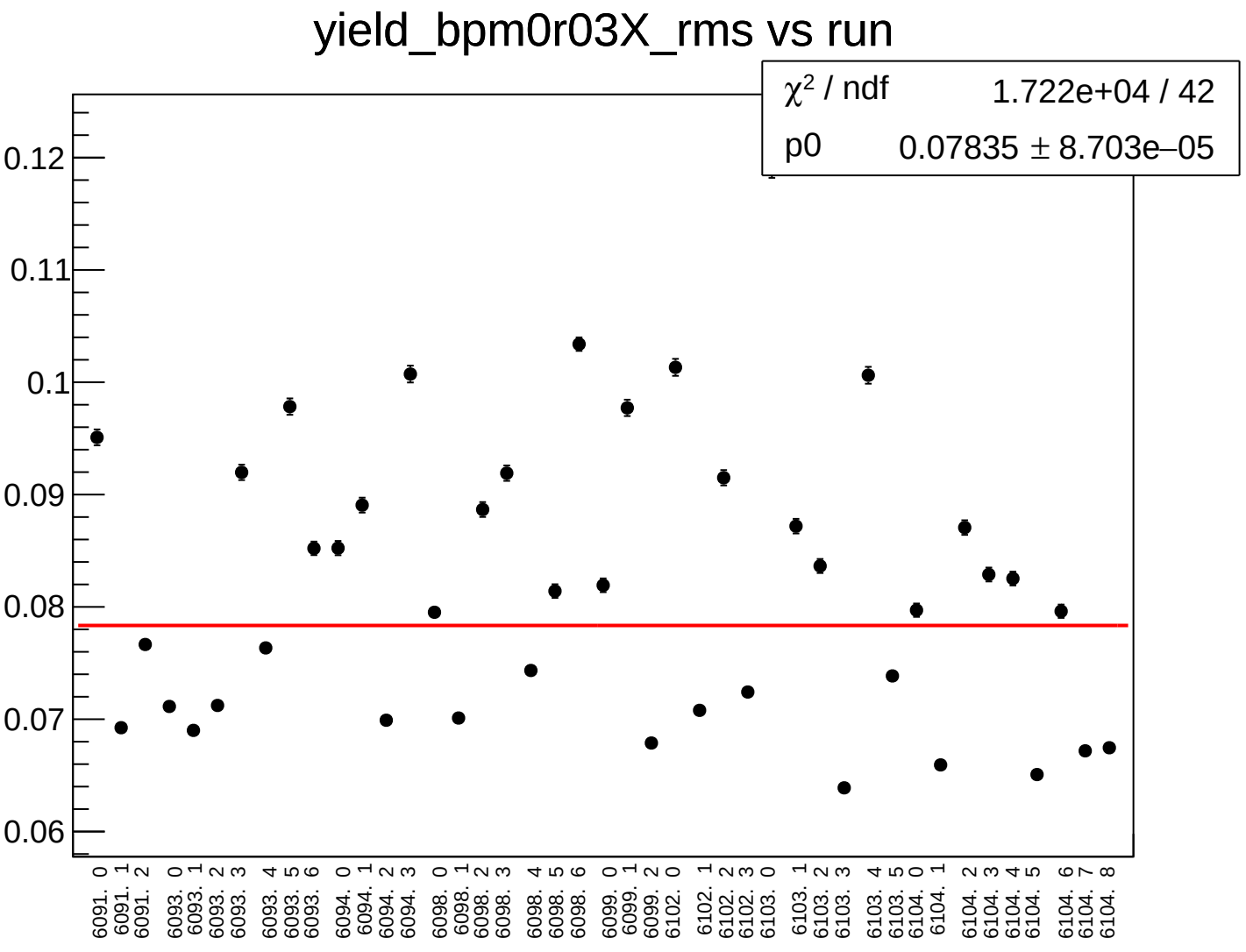

yield_bpm0l10X_mean vs run
χ² / ndf 1.15e+05 / 42
p0 −0.944 ± 1.922e−05
−0.93
−0.935
−0.94
−0.945
−0.95
−0.955
−0.96
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 144.8
Std Dev 0
100
50
0
−50
−100
pull1D
Entries 43
Mean 0.7272
Std Dev 5.119
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

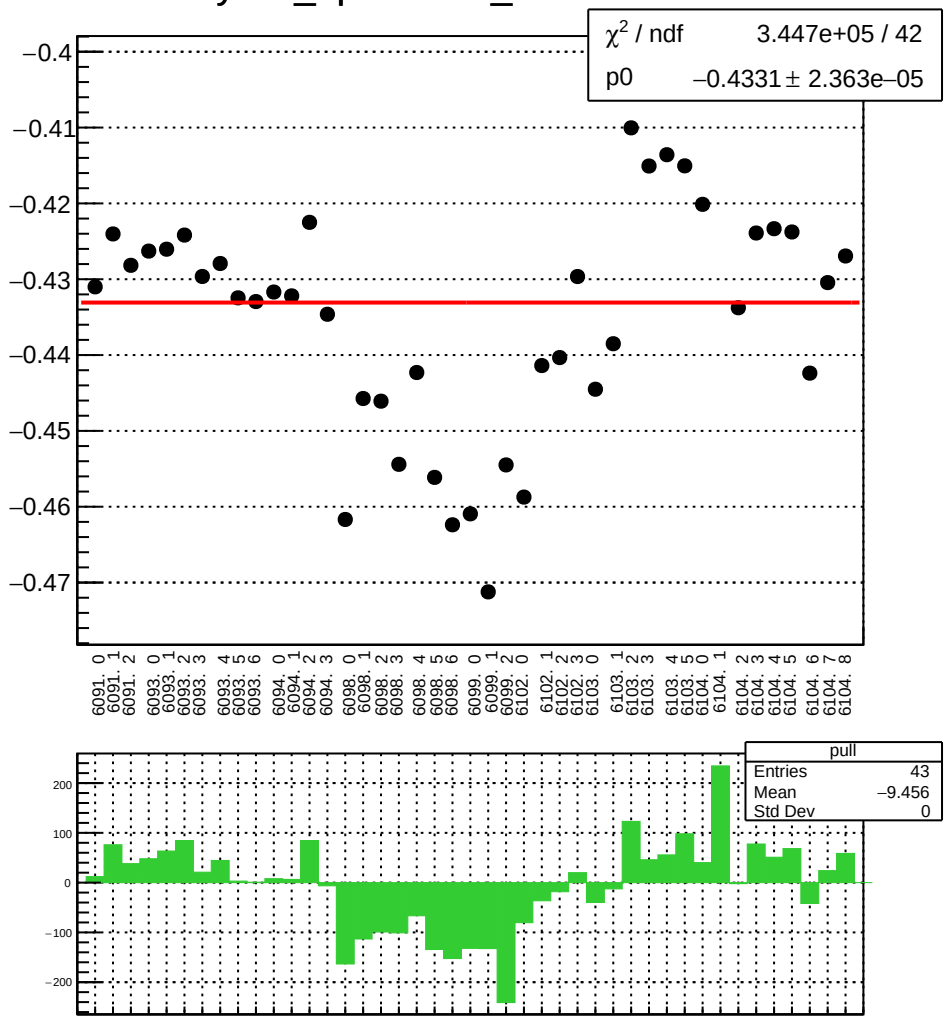

yield_bpm0l10X_rms vs run
χ² / ndf 1.753e+04 / 42
p0 0.01223 ± 1.359e–05
0.024
0.022
0.02
0.018
0.016
0.014
0.012
0.01
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

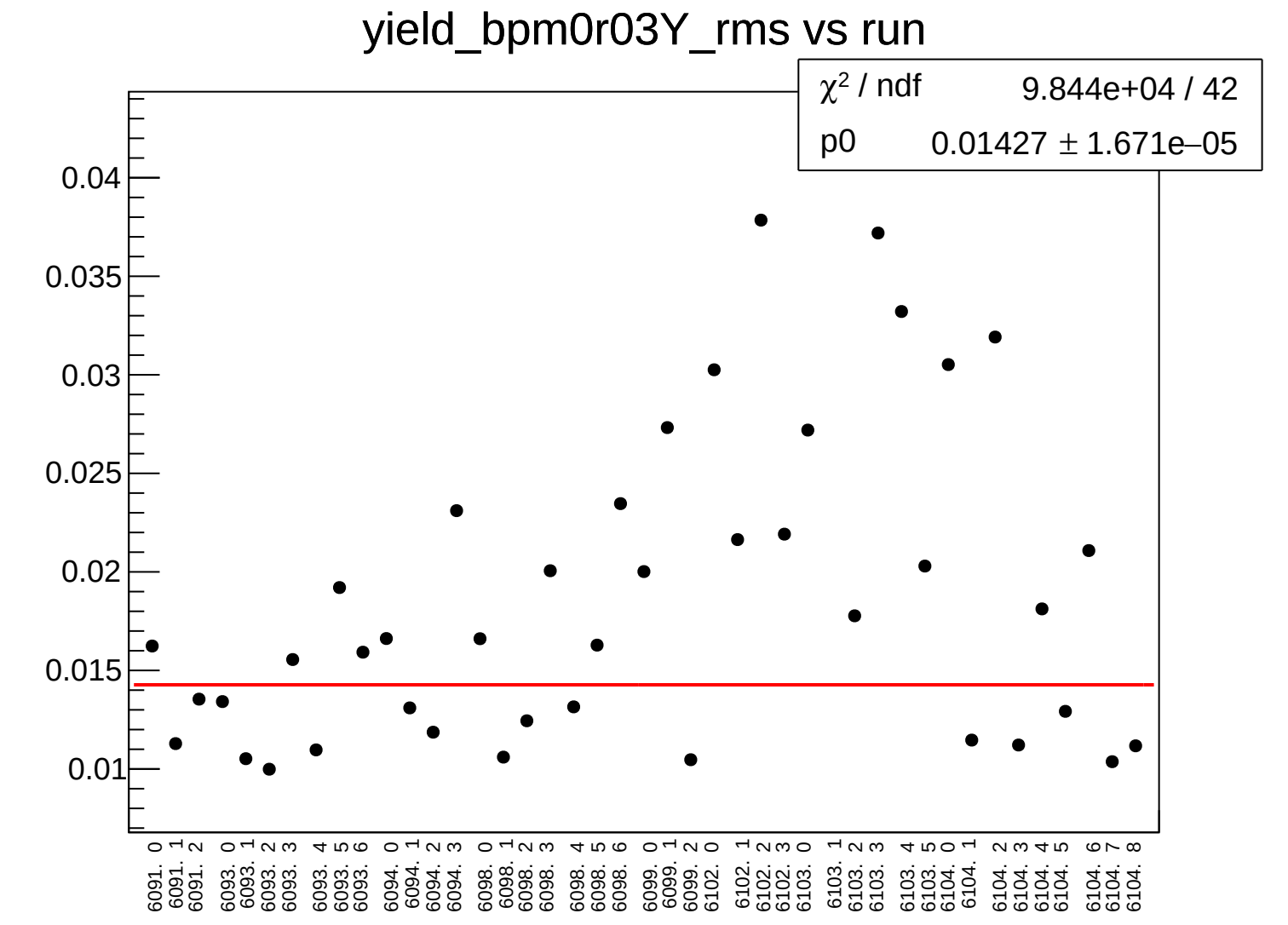

yield_bpm0l10Y_mean vs run
χ² / ndf 9.309e+05 / 42
p0 −0.2633 ± 6.384e−06
−0.255
−0.26
−0.265
−0.27
−0.275
−0.28
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean −2106
Std Dev 0
200
100
0
−100
−200
−300
−400
pull1D
Entries 43
Mean −0.6512
Std Dev 5.096
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

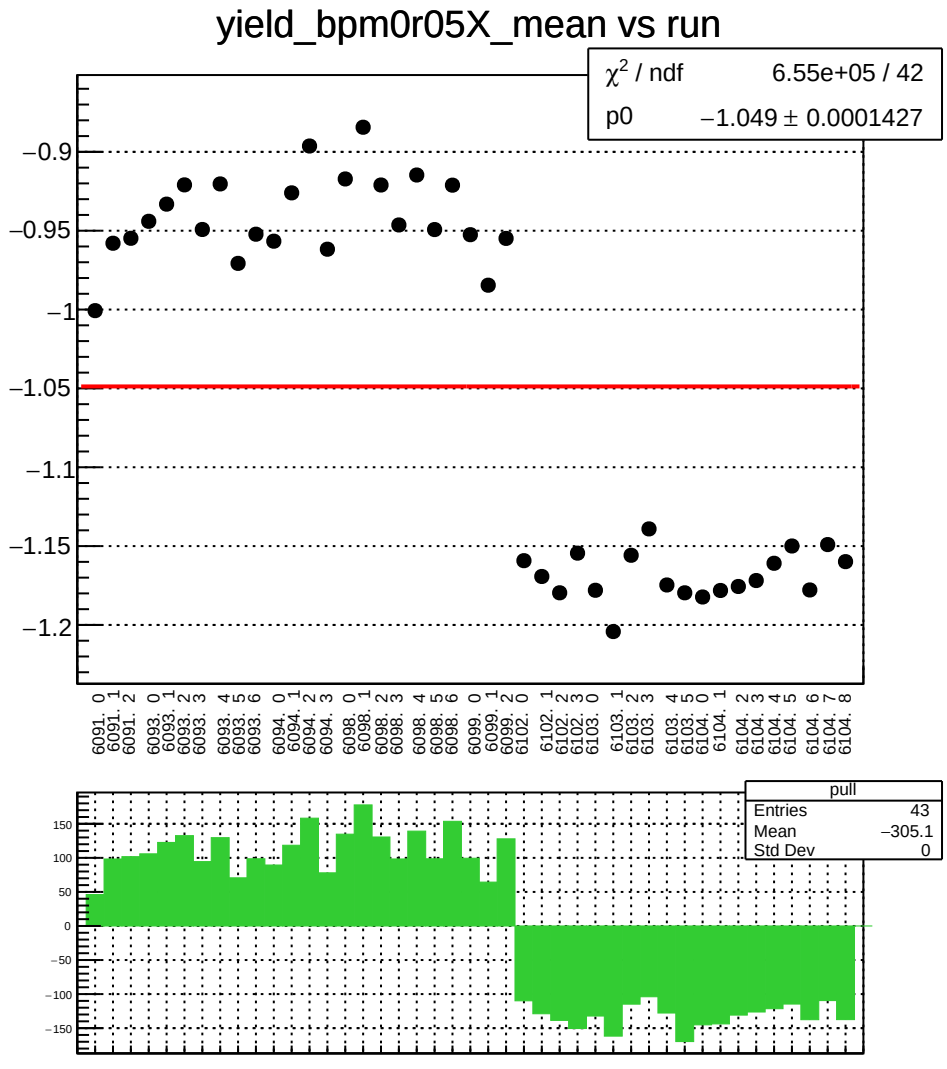

yield_bpm0l10Y_rms vs run
χ² / ndf 8.872e+04 / 42
p0 0.003881 ± 4.514e−06
0.012
0.01
0.008
0.006
0.004
0.002
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

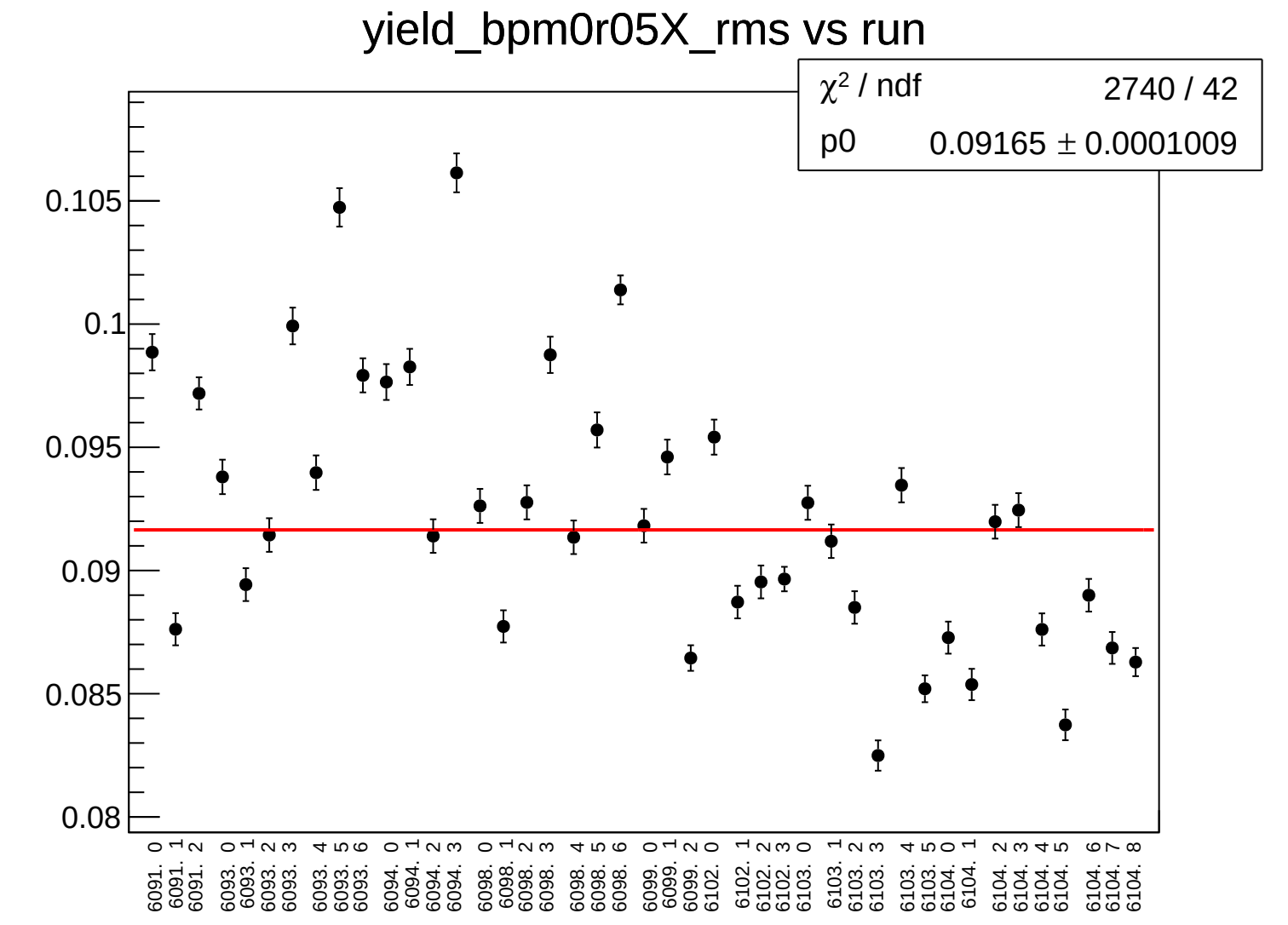

yield_bpm0r03X_mean vs run
χ² / ndf 6.652e+05 / 42
p0 −0.4519 ± 0.0001231
−0.25
−0.3
−0.35
−0.4
−0.45
−0.5
−0.55
−0.6
−0.65
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 1479
Std Dev 0
200
100
0
−100
−200
pull1D
Entries 43
Mean 4.529
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

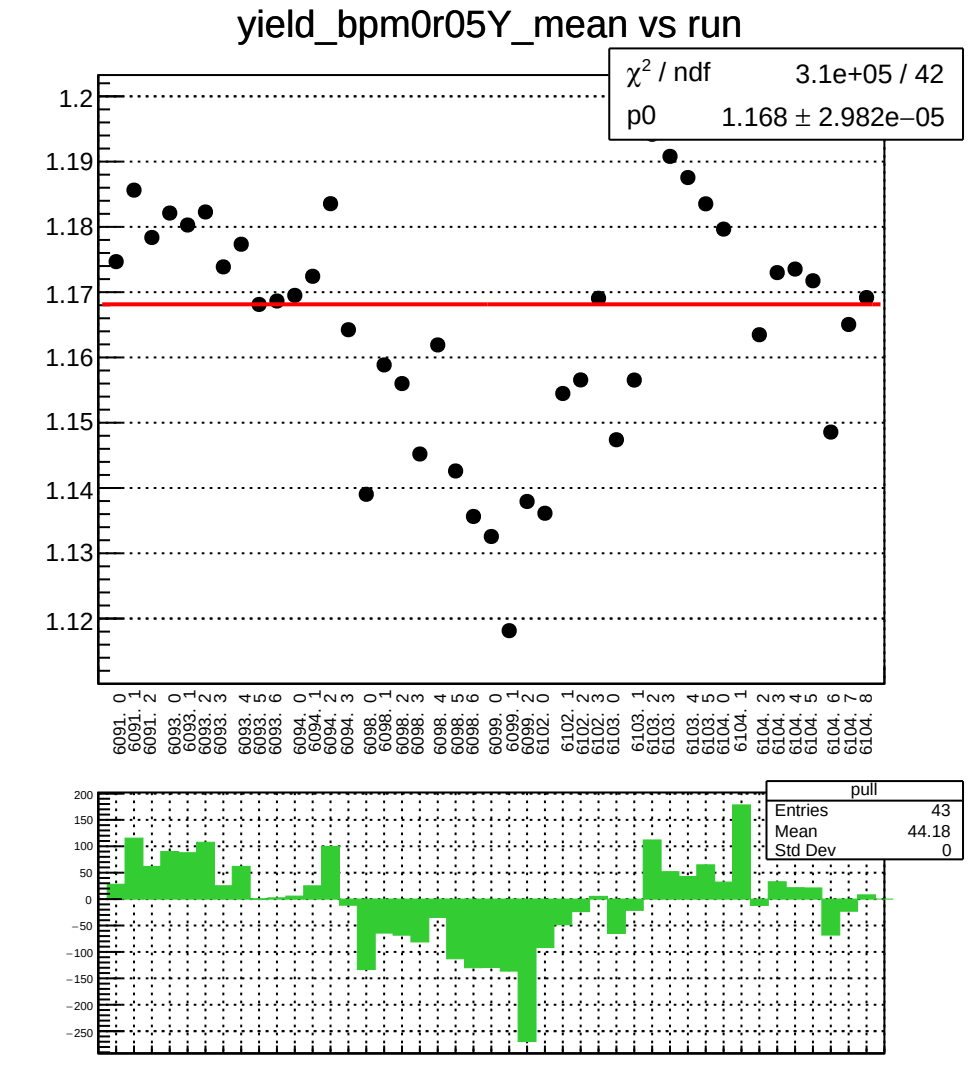

yield_bpm0r03X_rms vs run
χ² / ndf 1.722e+04 / 42
p0 0.07835 ± 8.703e–05
0.12
0.11
0.1
0.09
0.08
0.07
0.06
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

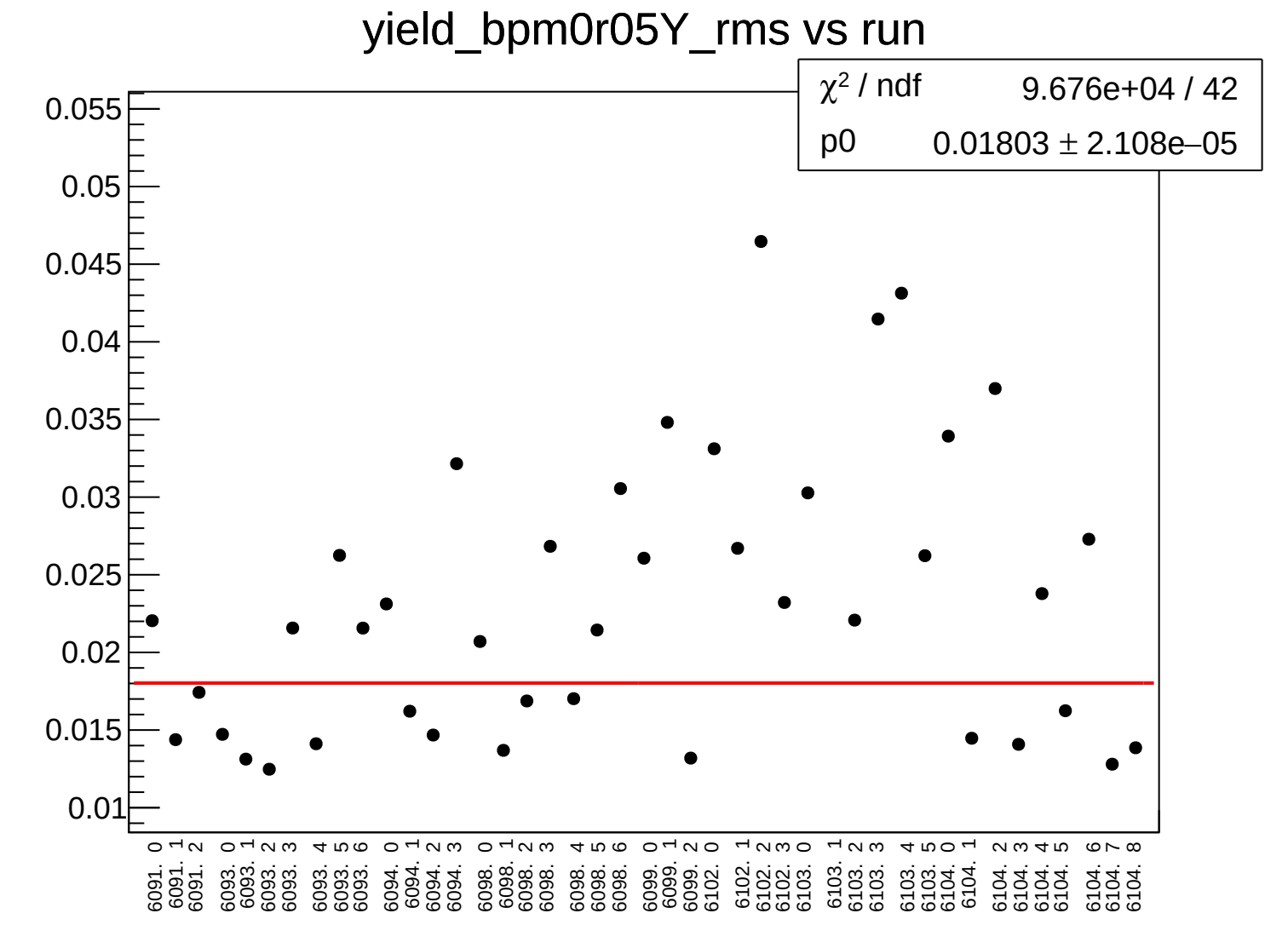

yield_bpm0r03Y_mean vs run
χ² / ndf 3.447e+05 / 42
p0 −0.4331 ± 2.363e−05
pull
Entries 43
Mean −9.456
Std Dev 0
pull1D
Entries 43
Mean 1.644
Std Dev 4.869

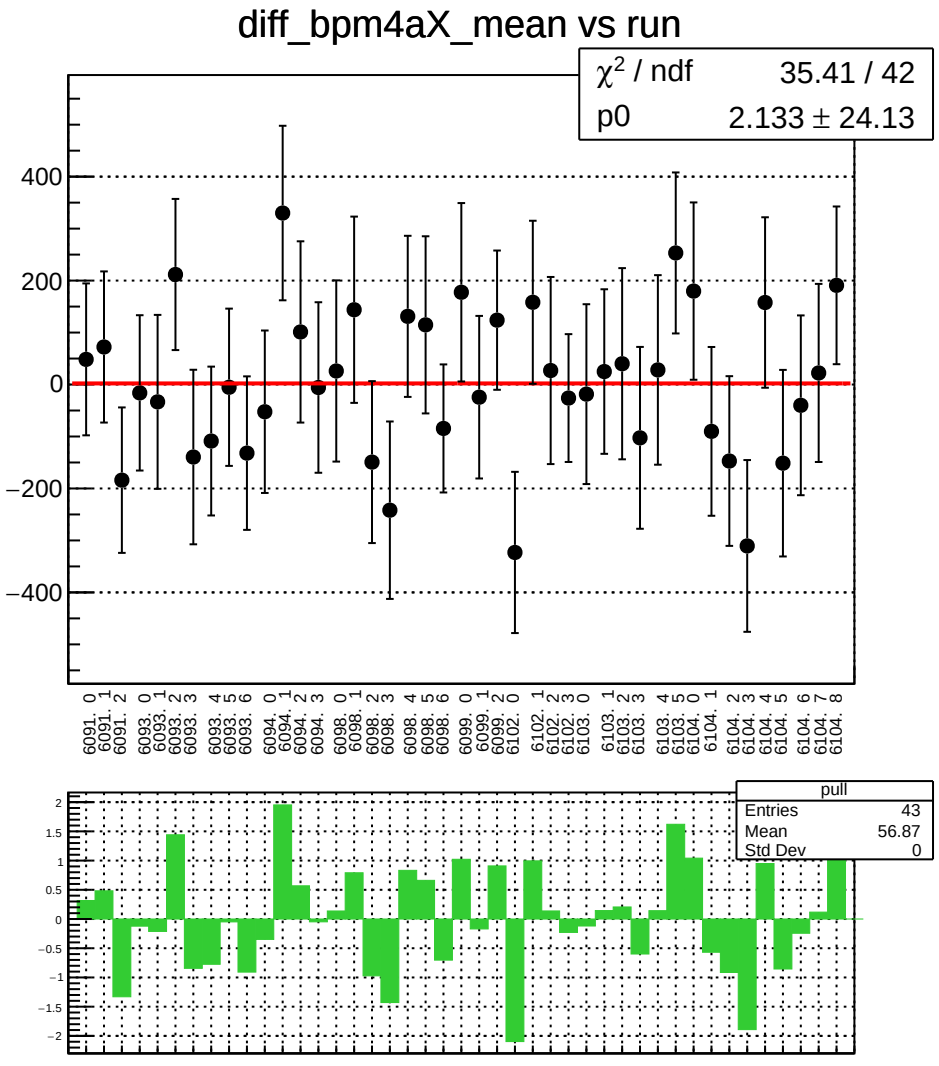

yield_bpm0r03Y_rms vs run
χ² / ndf 9.844e+04 / 42
p0 0.01427 ± 1.671e−05
0.04
0.035
0.03
0.025
0.02
0.015
0.01
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

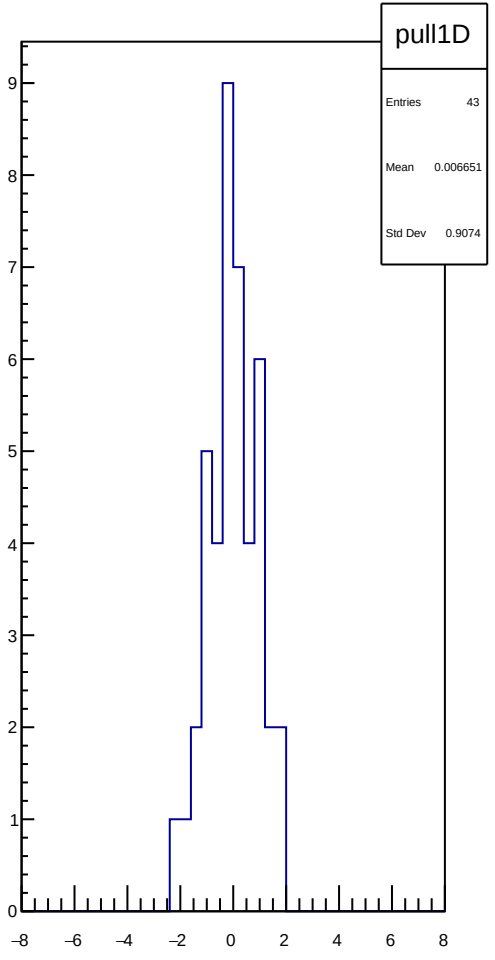

yield_bpm0r05X_mean vs run
χ² / ndf 6.55e+05 / 42
p0 −1.049 ± 0.0001427
−0.9
−0.95
−1
−1.05
−1.1
−1.15
−1.2
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean −305.1
Std Dev 0
150
100
50
0
−50
−100
−150
pull1D
Entries 43
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

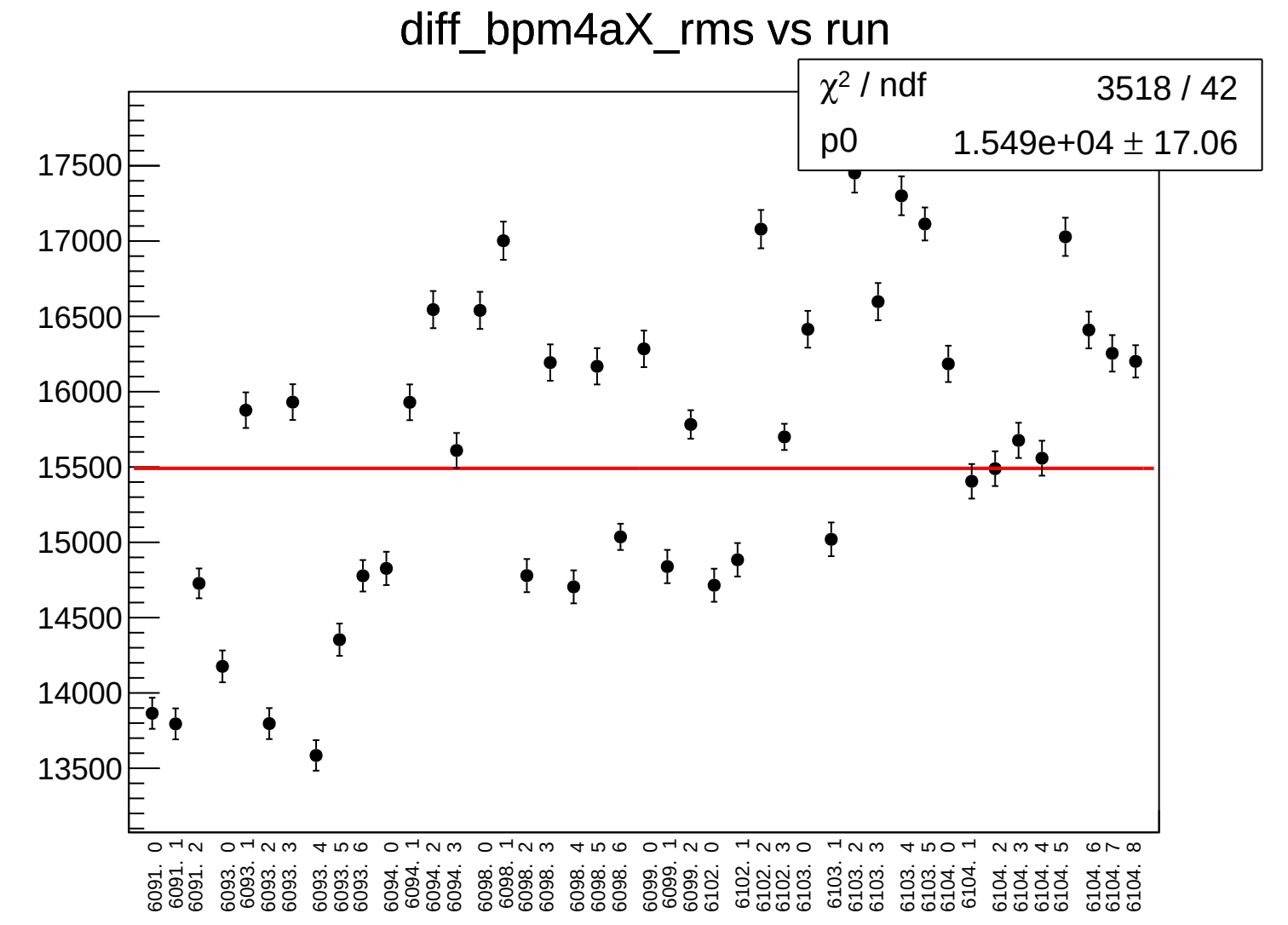

yield_bpm0r05X_rms vs run
χ² / ndf 2740 / 42
p0 0.09165 ± 0.0001009
0.105
0.1
0.095
0.09
0.085
0.08
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

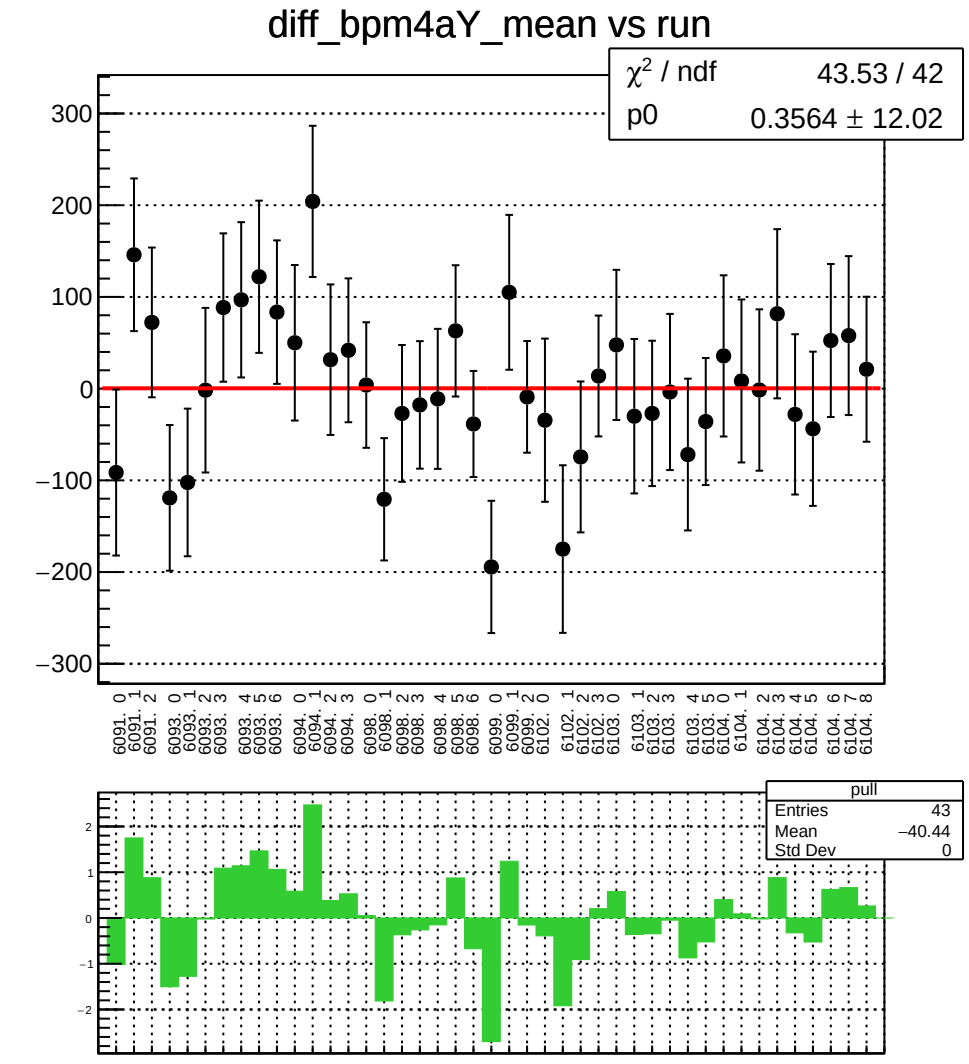

yield_bpm0r05Y_mean vs run
χ² / ndf 3.1e+05 / 42
p0 1.168 ± 2.982e−05
1.2
1.19
1.18
1.17
1.16
1.15
1.14
1.13
1.12
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 44.18
Std Dev 0
200
150
100
50
0
−50
−100
−150
−200
−250
pull1D
Entries 43
Mean 3.261
Std Dev 2.284
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

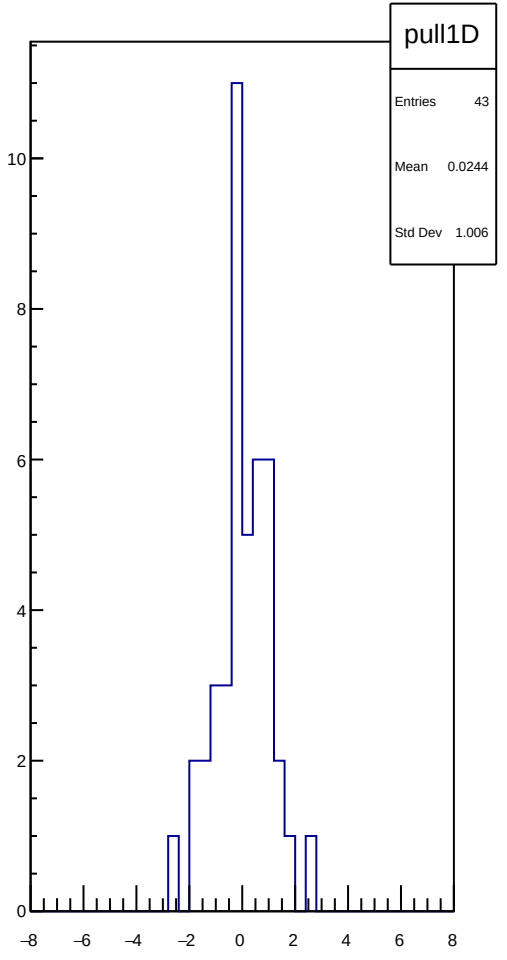

yield_bpm0r05Y_rms vs run
χ² / ndf 9.676e+04 / 42
p0 0.01803 ± 2.108e–05
0.055
0.05
0.045
0.04
0.035
0.03
0.025
0.02
0.015
0.01
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

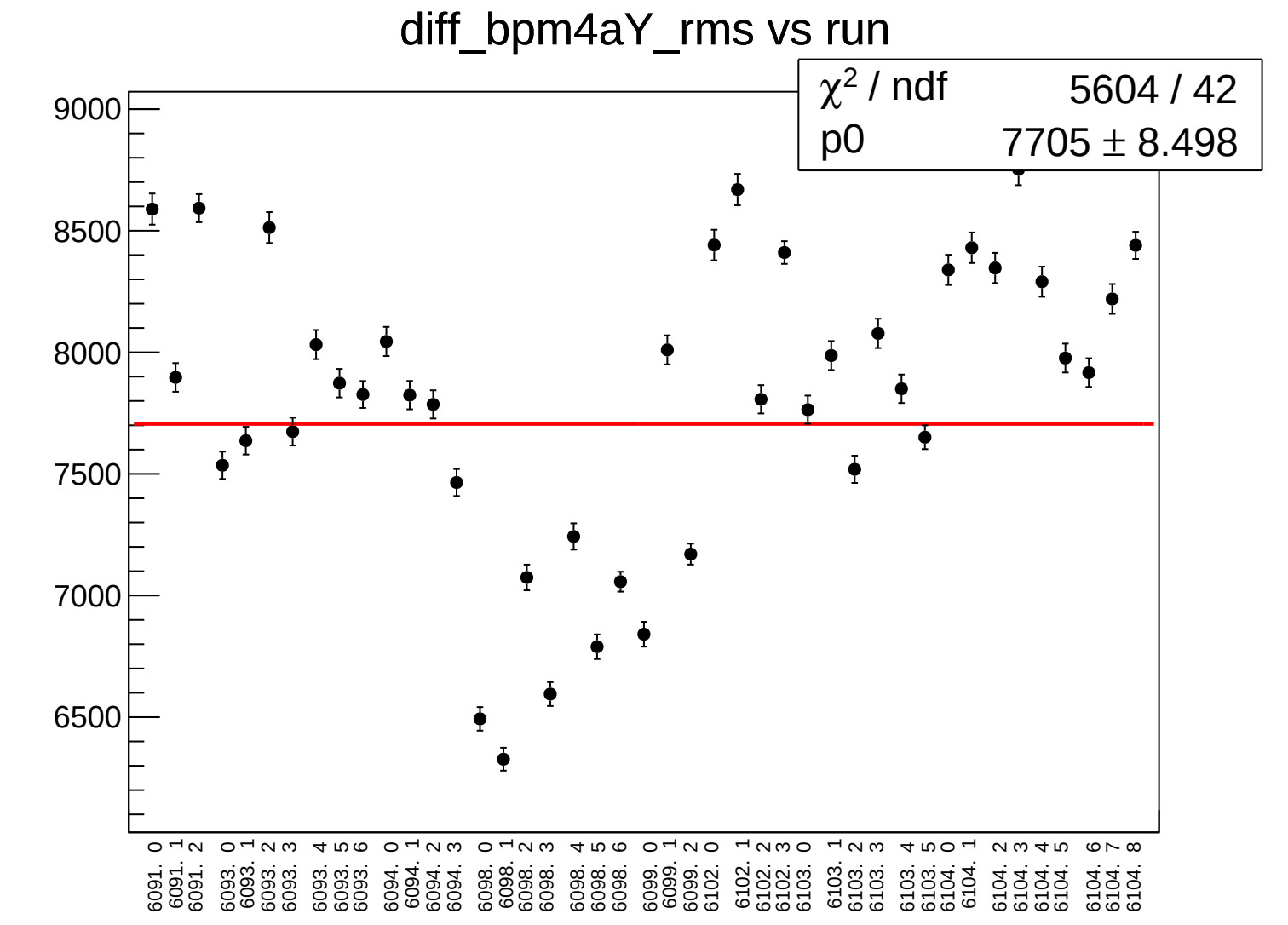

diff_bpm4aX_mean vs run
χ² / ndf 35.41 / 42
p0 2.133 ± 24.13
400
200
0
−200
−400
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 56.87
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

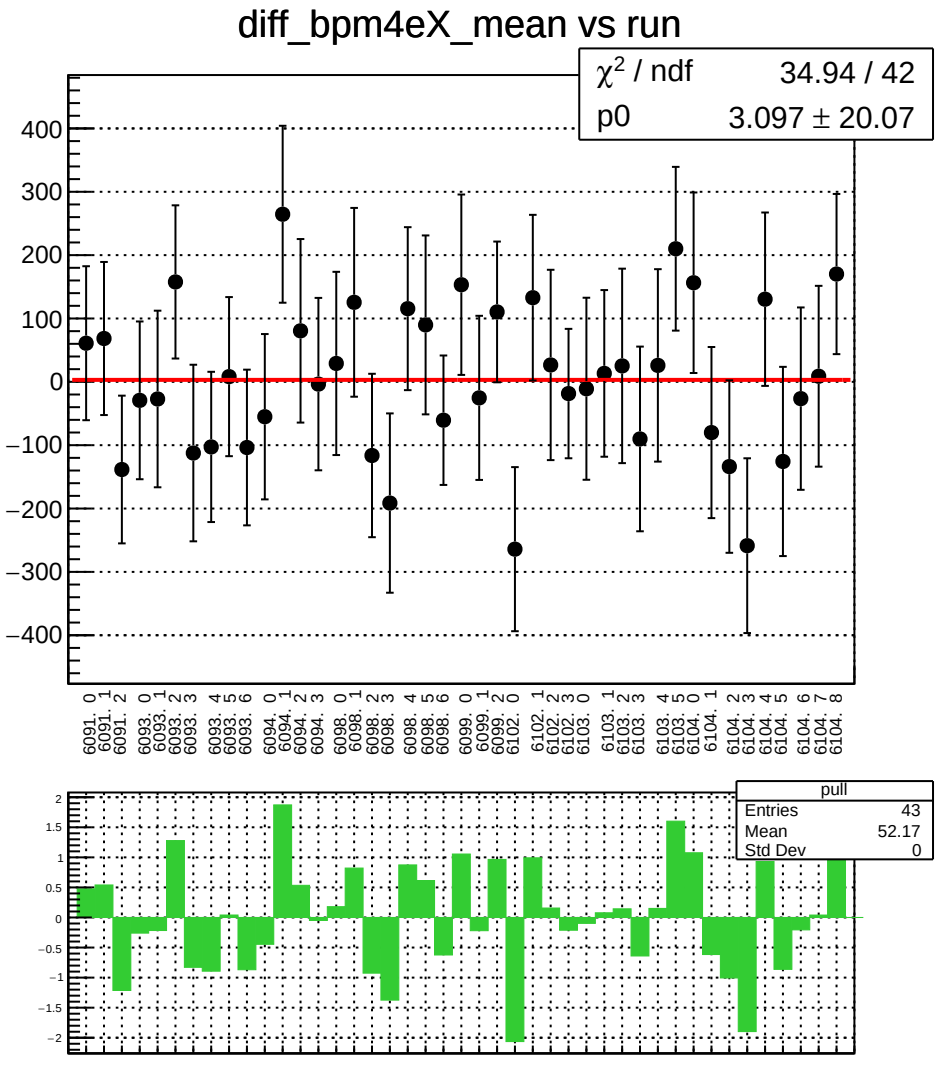

pull1D
Entries 43
Mean 0.006651
Std Dev 0.9074
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

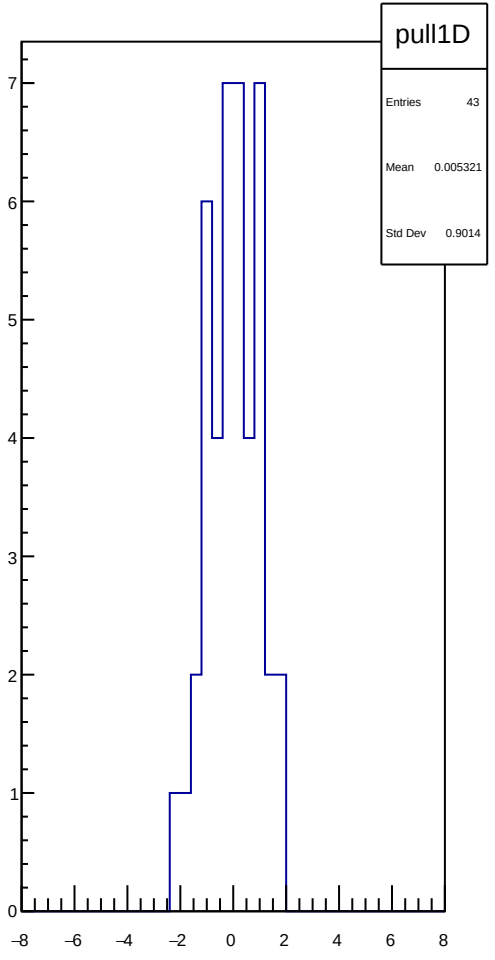

diff_bpm4aX_rms vs run
χ² / ndf 3518 / 42
p0 1.549e+04 ± 17.06
17500
17000
16500
16000
15500
15000
14500
14000
13500
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

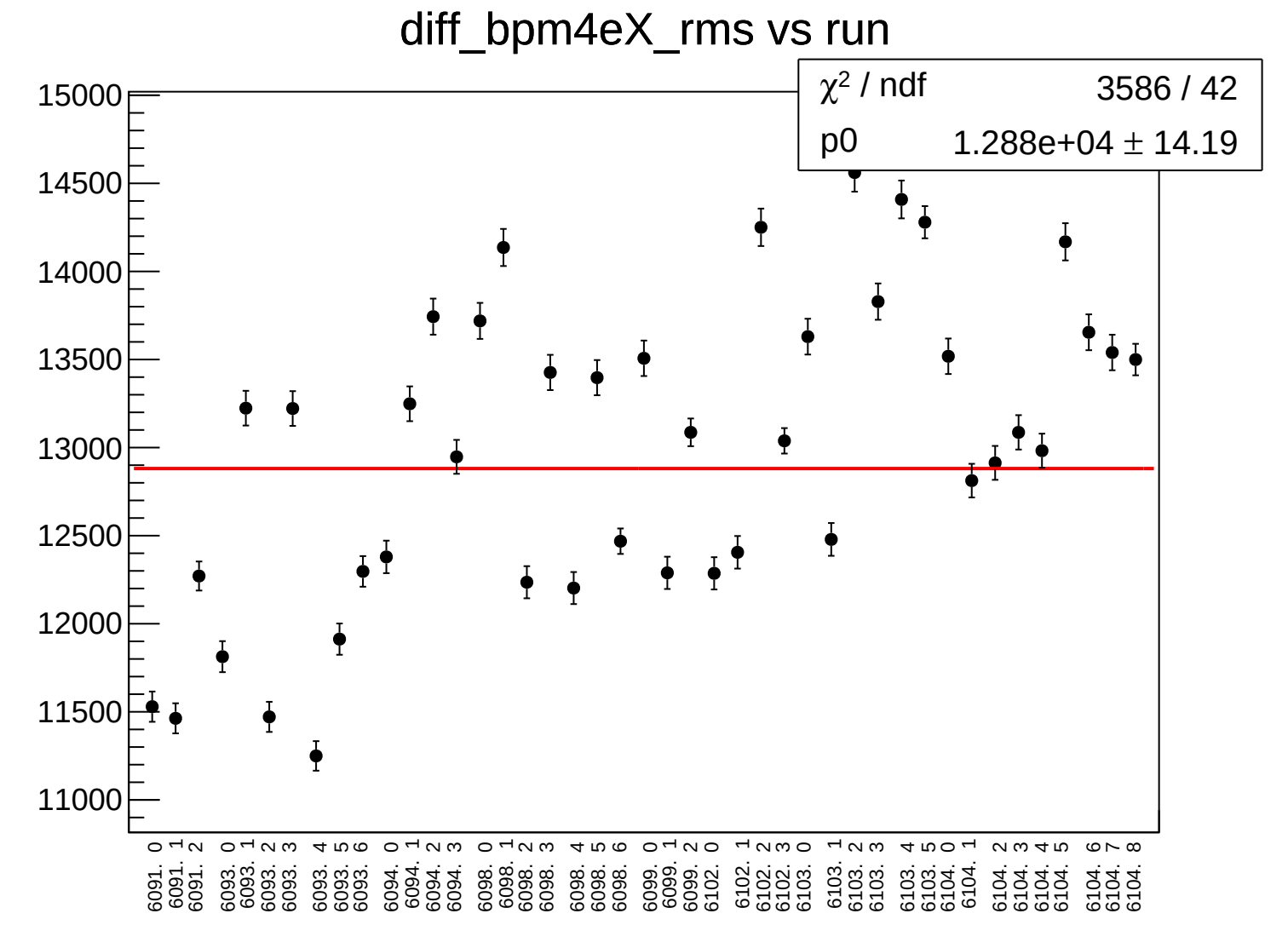

diff_bpm4aY_mean vs run
χ² / ndf 43.53 / 42
p0 0.3564 ± 12.02
300
200
100
0
−100
−200
−300
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean −40.44
Std Dev 0
2
1
0
−1
−2

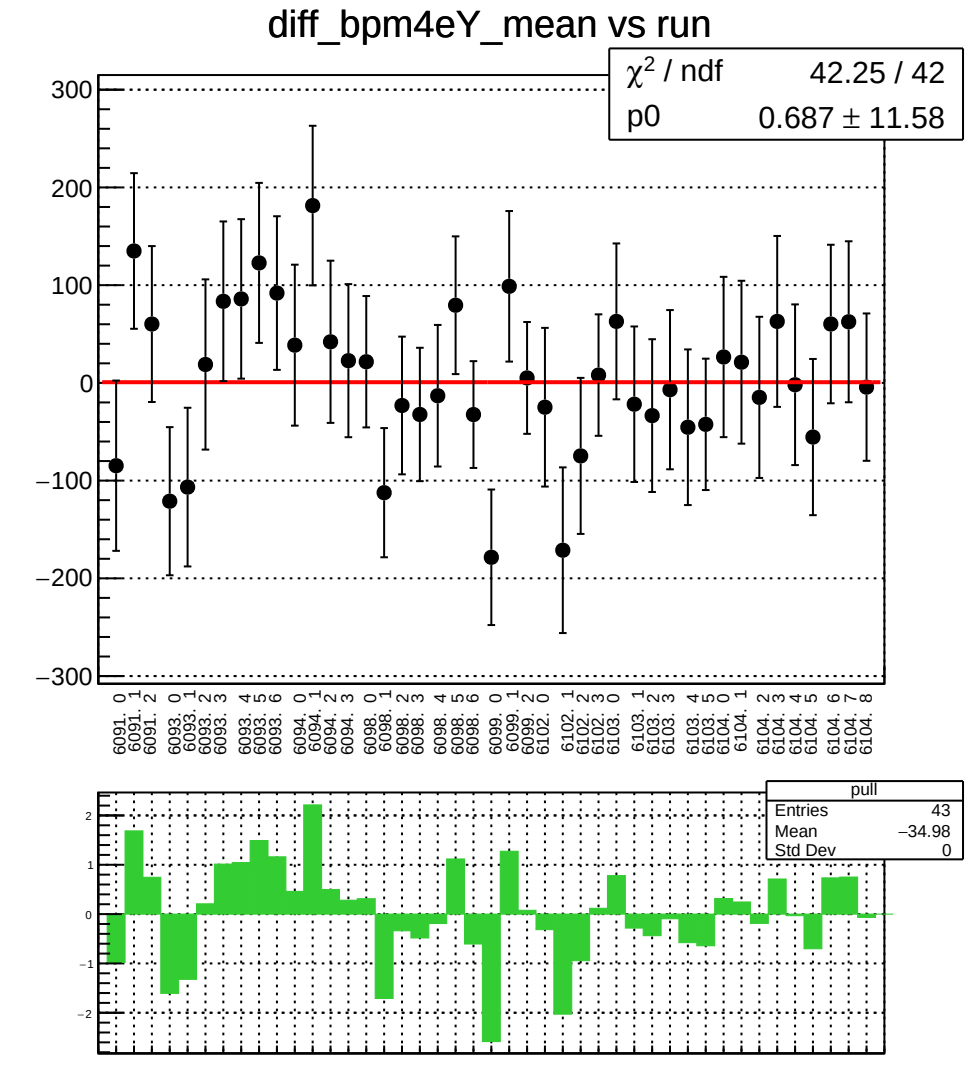

pull1D
Entries 43
Mean 0.0244
Std Dev 1.006
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

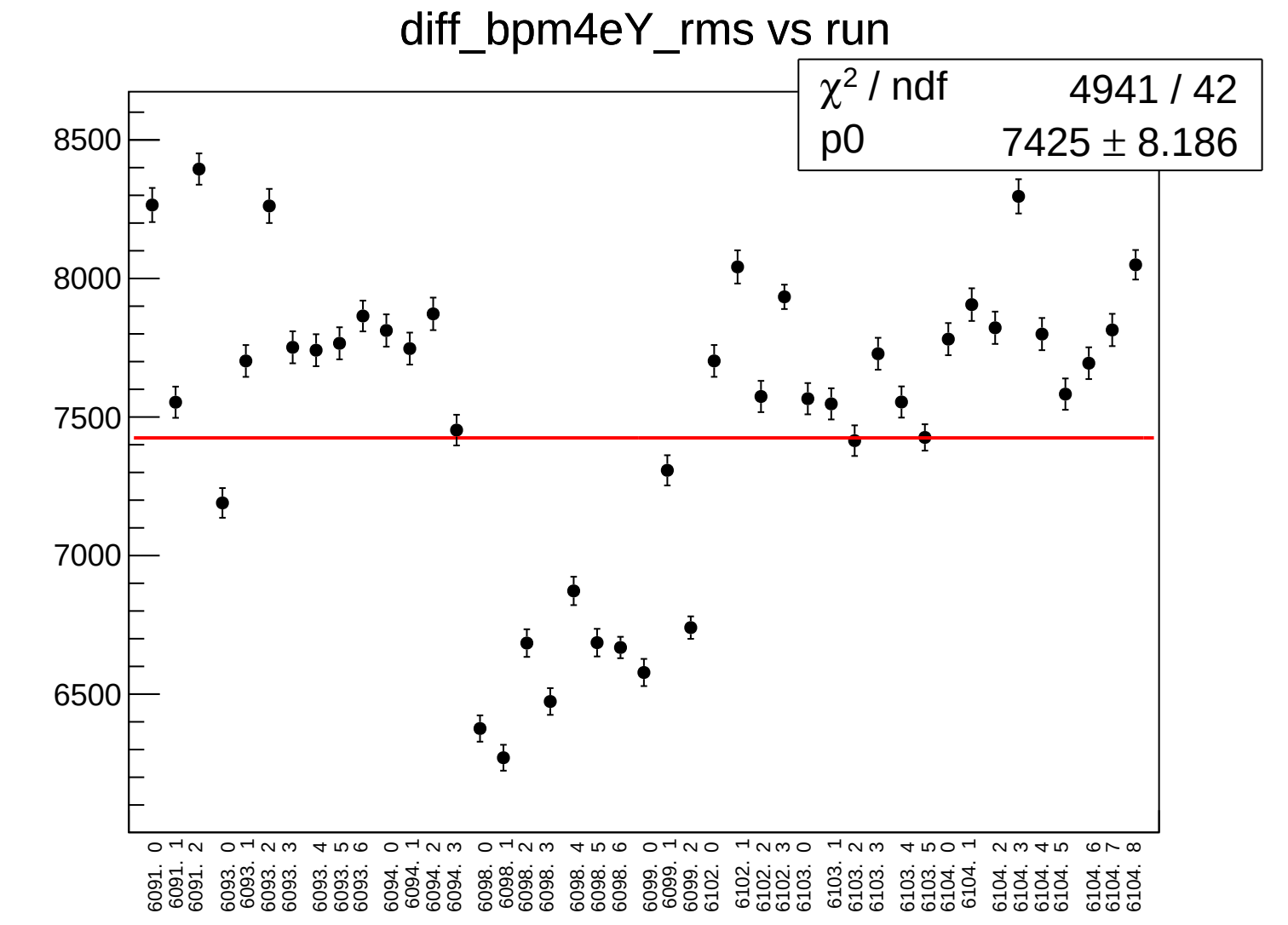

diff_bpm4aY_rms vs run
χ² / ndf 5604 / 42
p0 7705 ± 8.498
9000
8500
8000
7500
7000
6500
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

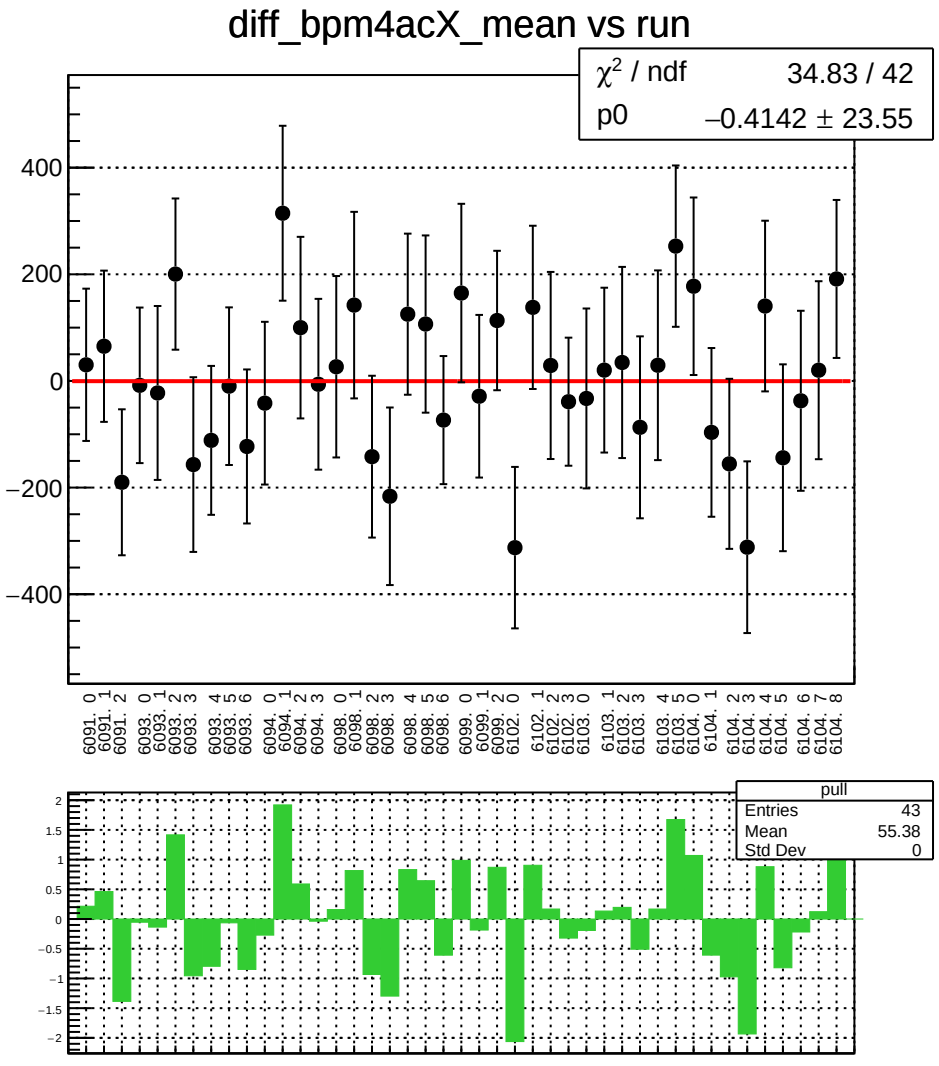

diff_bpm4eX_mean vs run
χ² / ndf 34.94 / 42
p0 3.097 ± 20.07
400
300
200
100
0
−100
−200
−300
−400
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 52.17
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

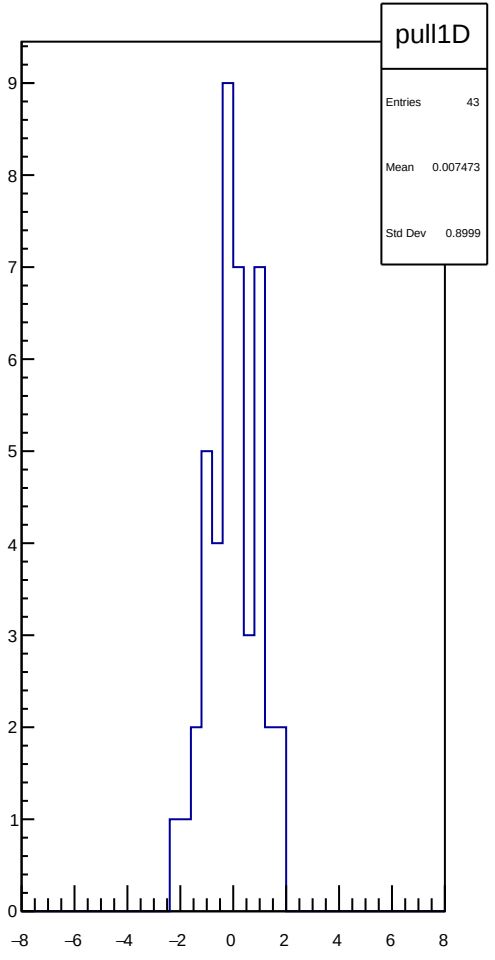

pull1D
Entries 43
Mean 0.005321
Std Dev 0.9014
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

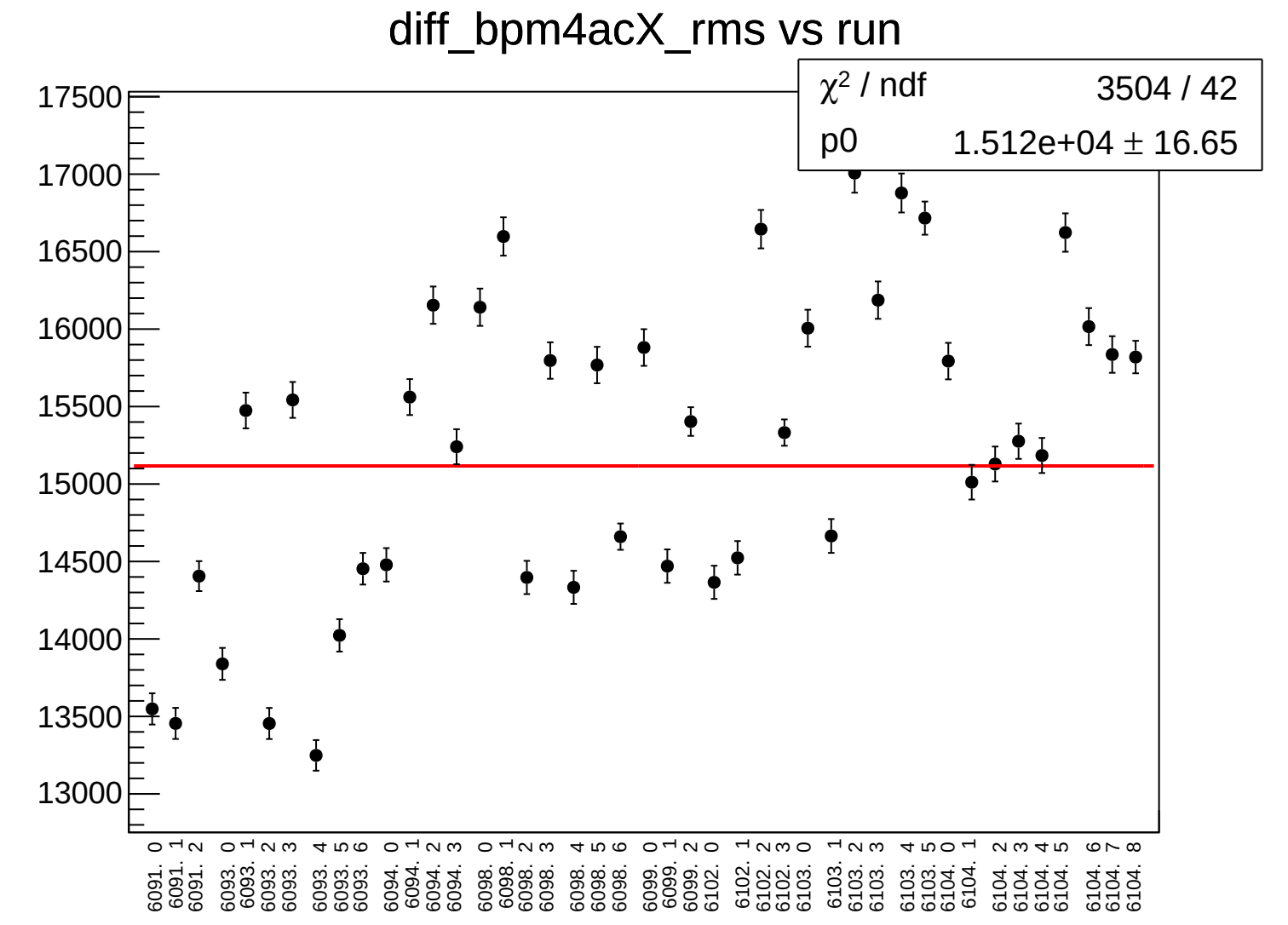

diff_bpm4eX_rms vs run
χ² / ndf 3586 / 42
p0 1.288e+04 ± 14.19
15000
14500
14000
13500
13000
12500
12000
11500
11000
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

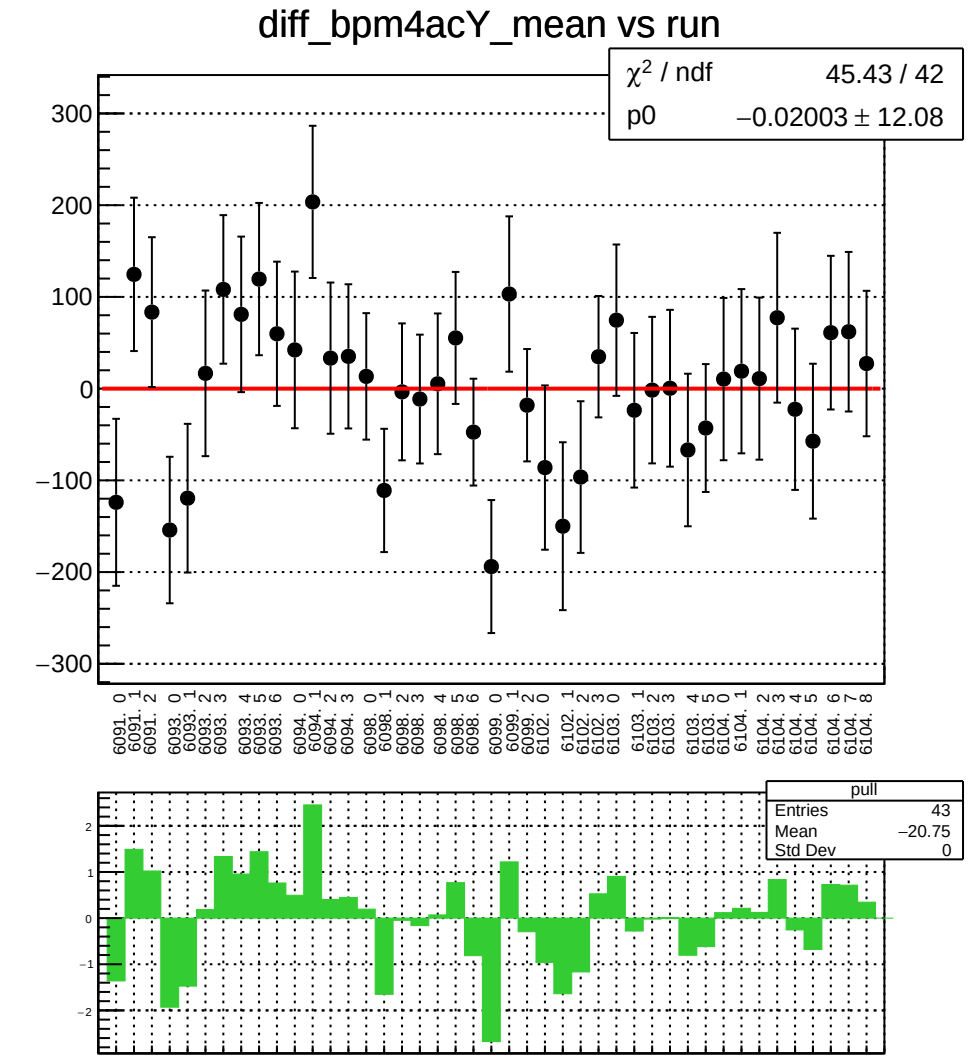

diff_bpm4eY_mean vs run
χ² / ndf 42.25 / 42
p0 0.687 ± 11.58
pull
Entries 43
Mean −34.98
Std Dev 0
pull1D
Entries 43
Mean 0.02578
Std Dev 0.9908

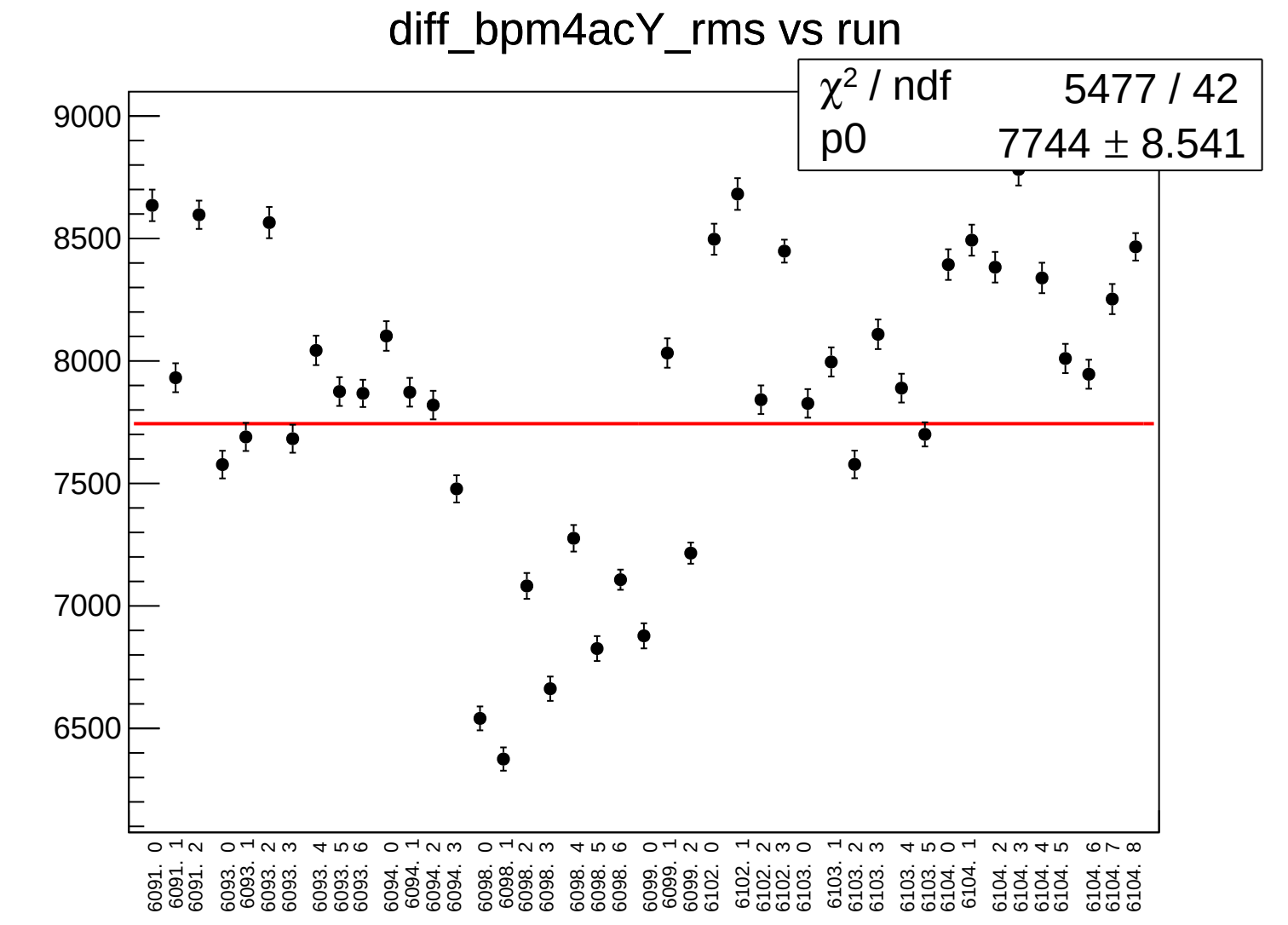

diff_bpm4eY_rms vs run
χ² / ndf 4941 / 42
p0 7425 ± 8.186
8500
8000
7500
7000
6500
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

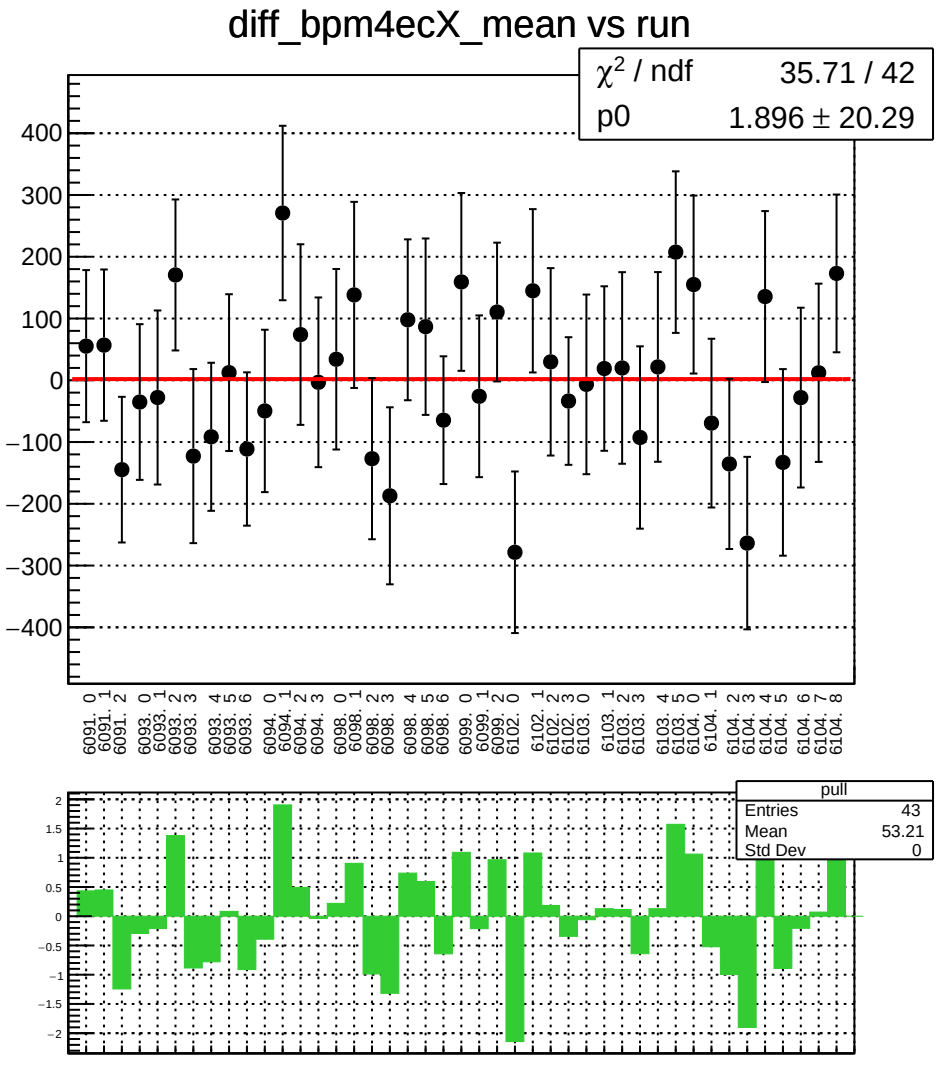

diff_bpm4acX_mean vs run
χ² / ndf 34.83 / 42
p0 −0.4142 ± 23.55
400
200
0
−200
−400
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 55.38
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

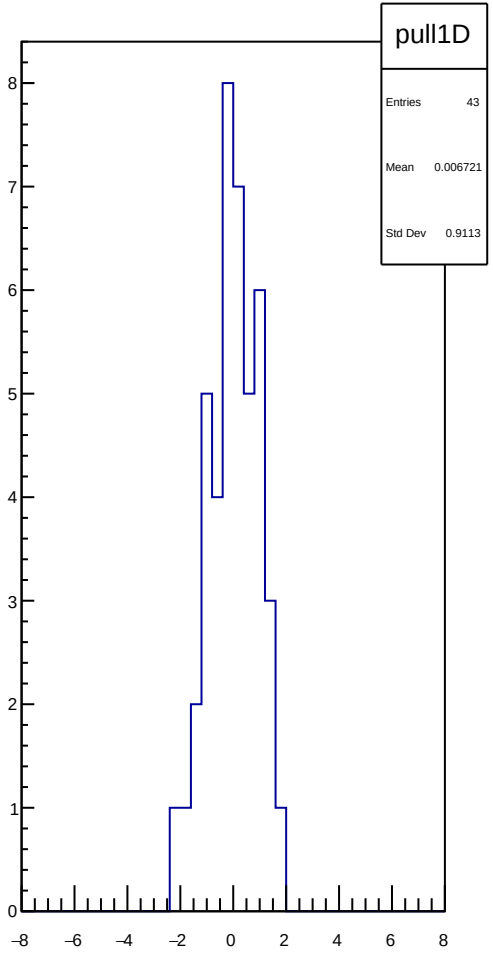

pull1D
Entries 43
Mean 0.007473
Std Dev 0.8999
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

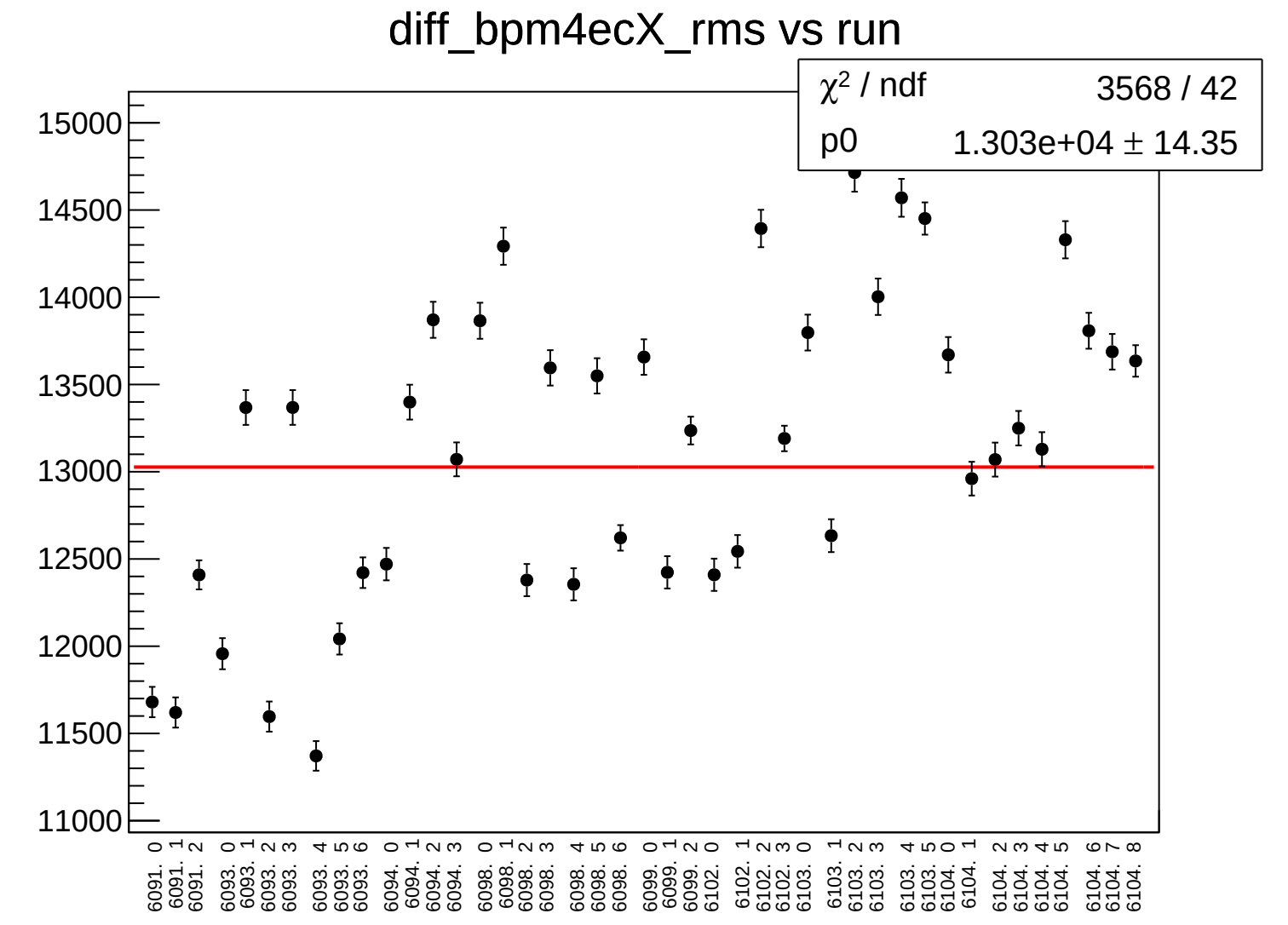

diff_bpm4acX_rms vs run
χ² / ndf 3504 / 42
p0 1.512e+04 ± 16.65
17500
17000
16500
16000
15500
15000
14500
14000
13500
13000
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

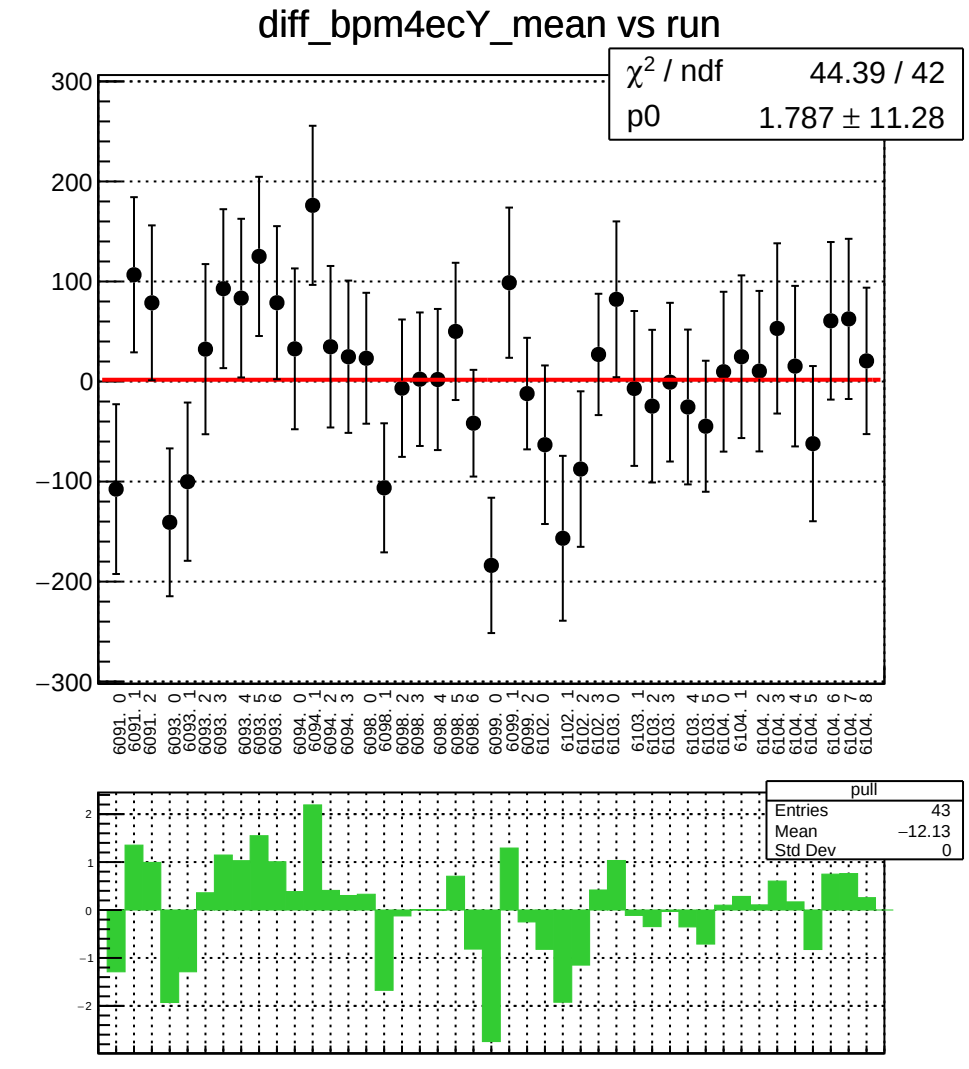

diff_bpm4acY_mean vs run
χ² / ndf 45.43 / 42
p0 −0.02003 ± 12.08
pull
Entries 43
Mean −20.75
Std Dev 0
pull1D
Entries 43
Mean 0.02144
Std Dev 1.028

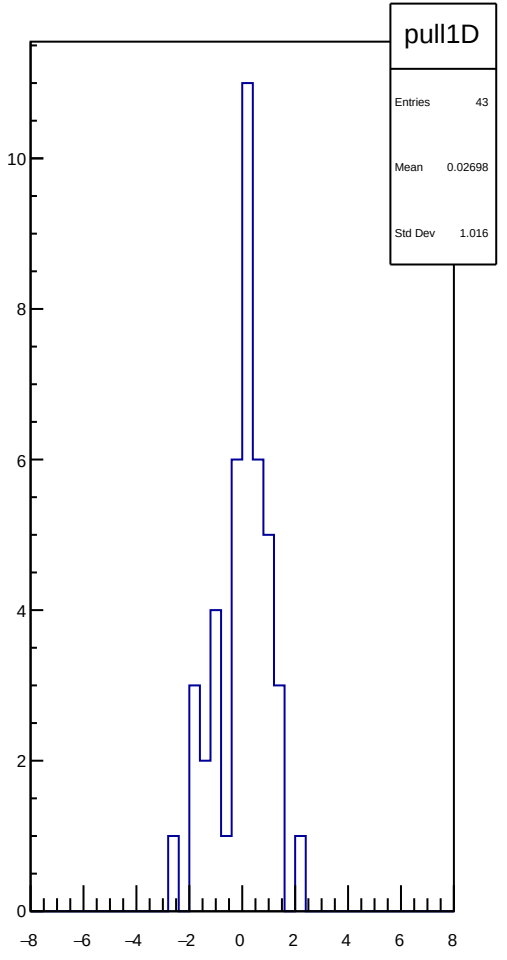

diff_bpm4acY_rms vs run
χ² / ndf 5477 / 42
p0 7744 ± 8.541
9000
8500
8000
7500
7000
6500
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

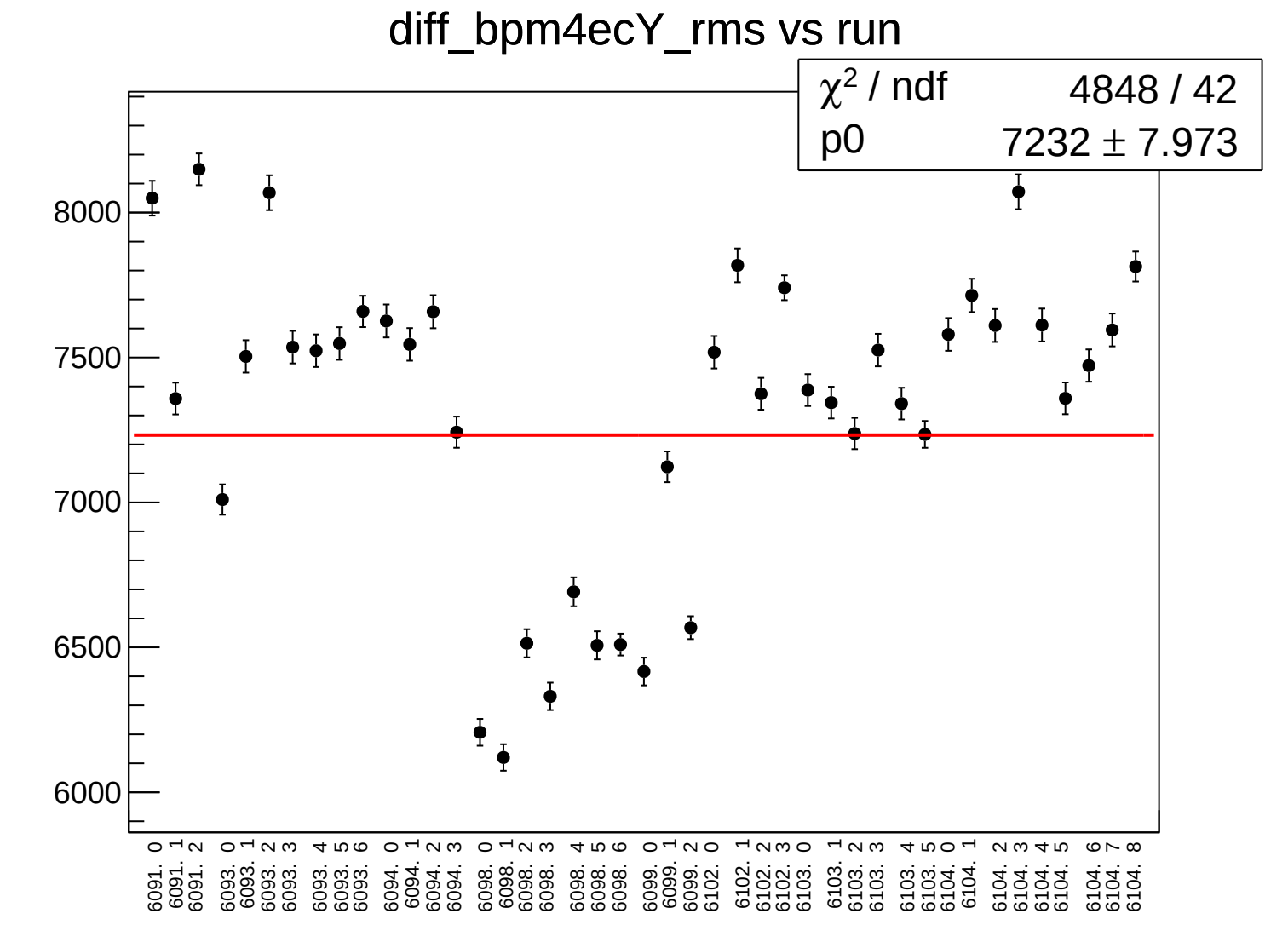

diff_bpm4ecX_mean vs run
χ² / ndf 35.71 / 42
p0 1.896 ± 20.29
400
300
200
100
0
−100
−200
−300
−400
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 53.21
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

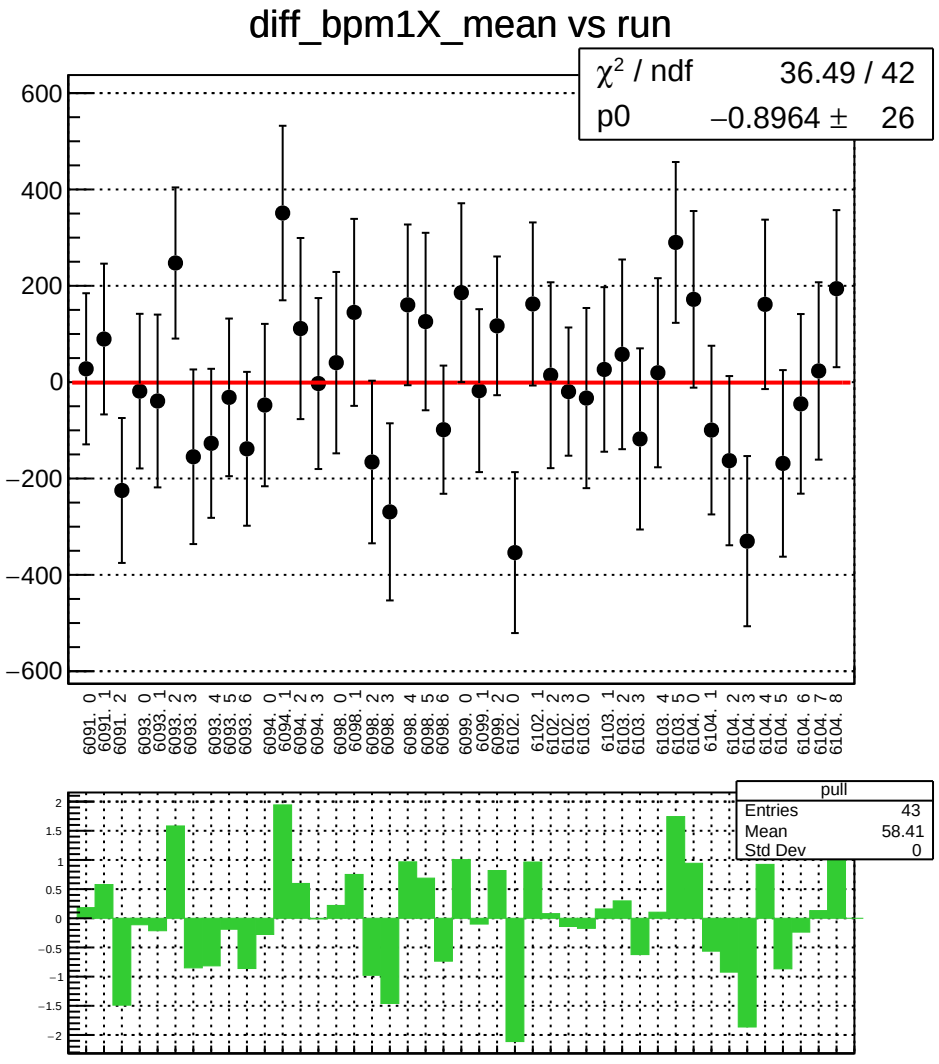

pull1D
Entries 43
Mean 0.006721
Std Dev 0.9113
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

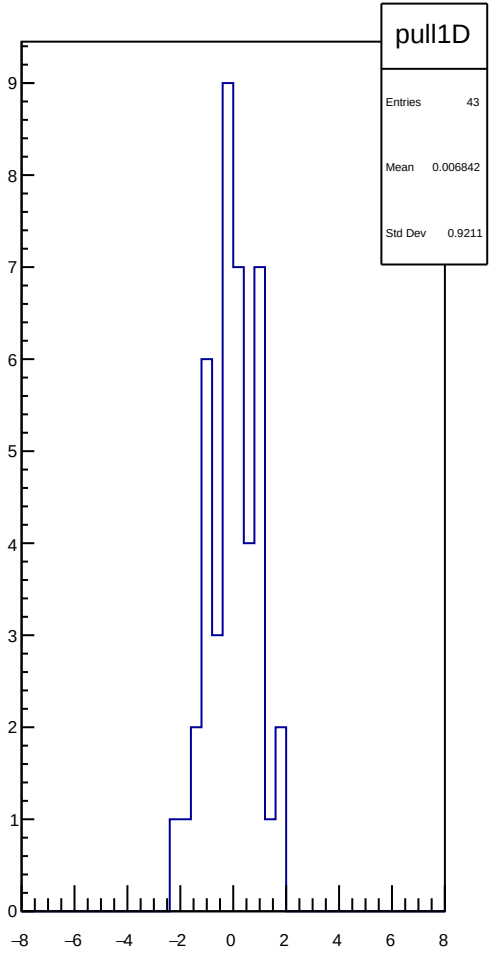

diff_bpm4ecX_rms vs run
χ² / ndf 3568 / 42
p0 1.303e+04 ± 14.35
15000
14500
14000
13500
13000
12500
12000
11500
11000
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

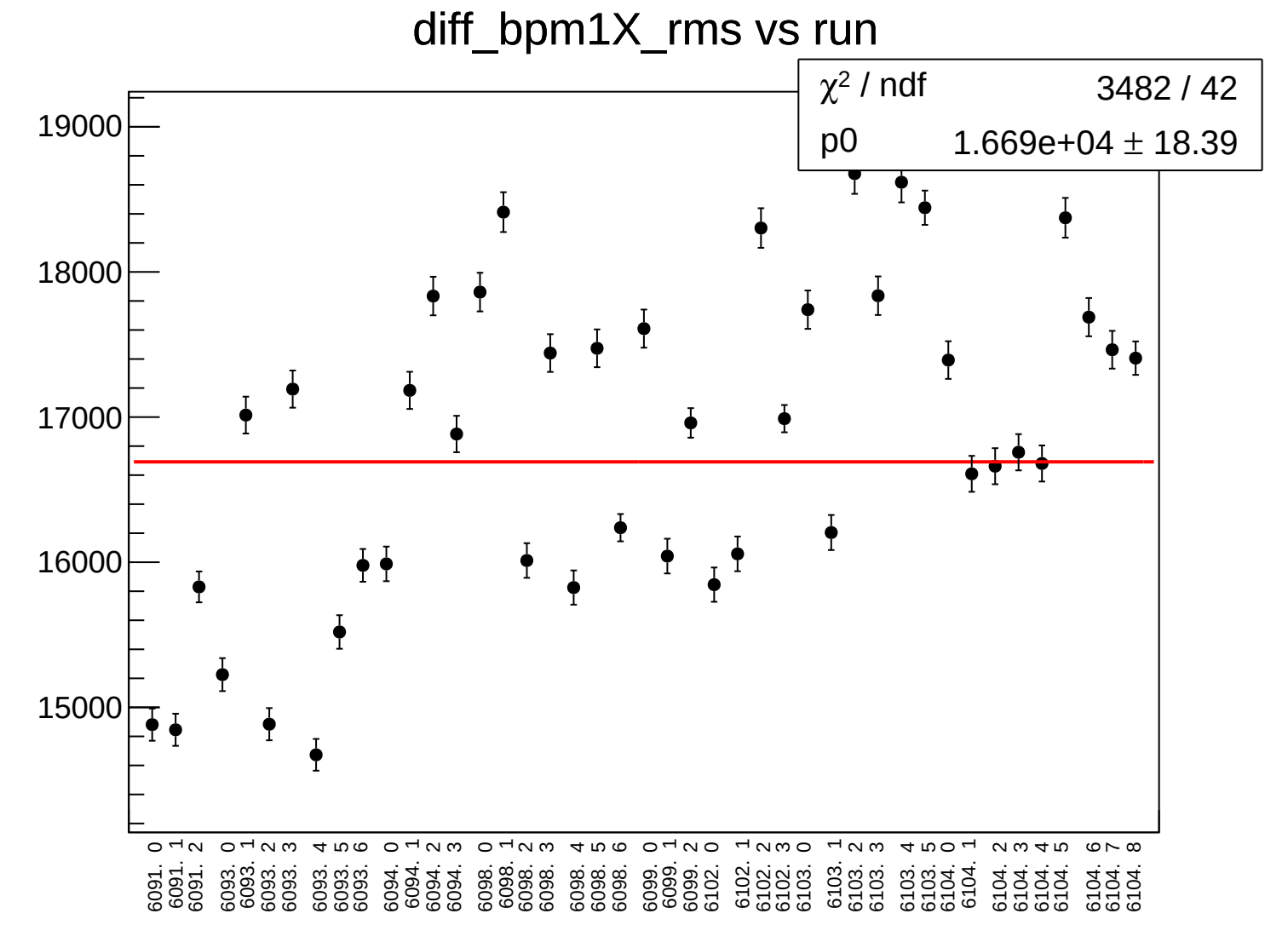

diff_bpm4ecY_mean vs run
χ² / ndf 44.39 / 42
p0 1.787 ± 11.28
pull
Entries 43
Mean −12.13
Std Dev 0

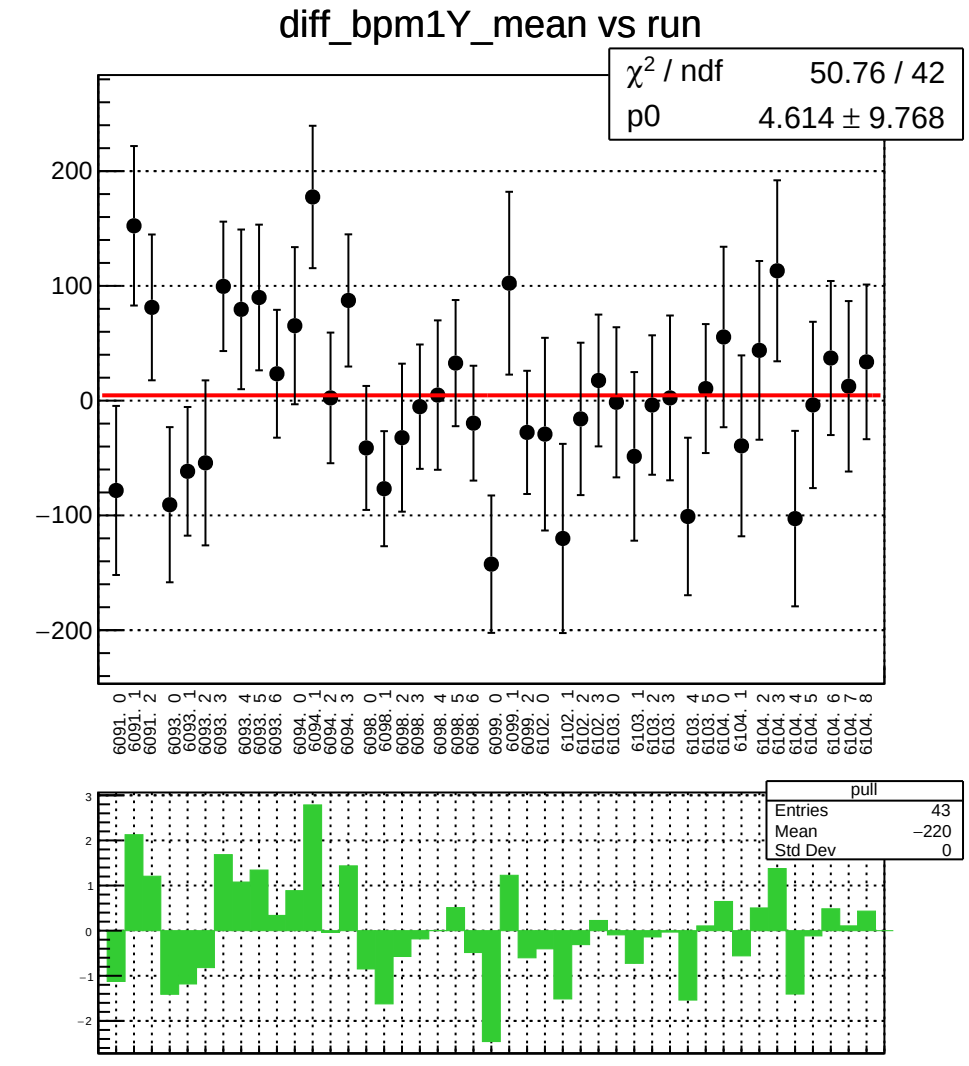

pull1D
Entries 43
Mean 0.02698
Std Dev 1.016

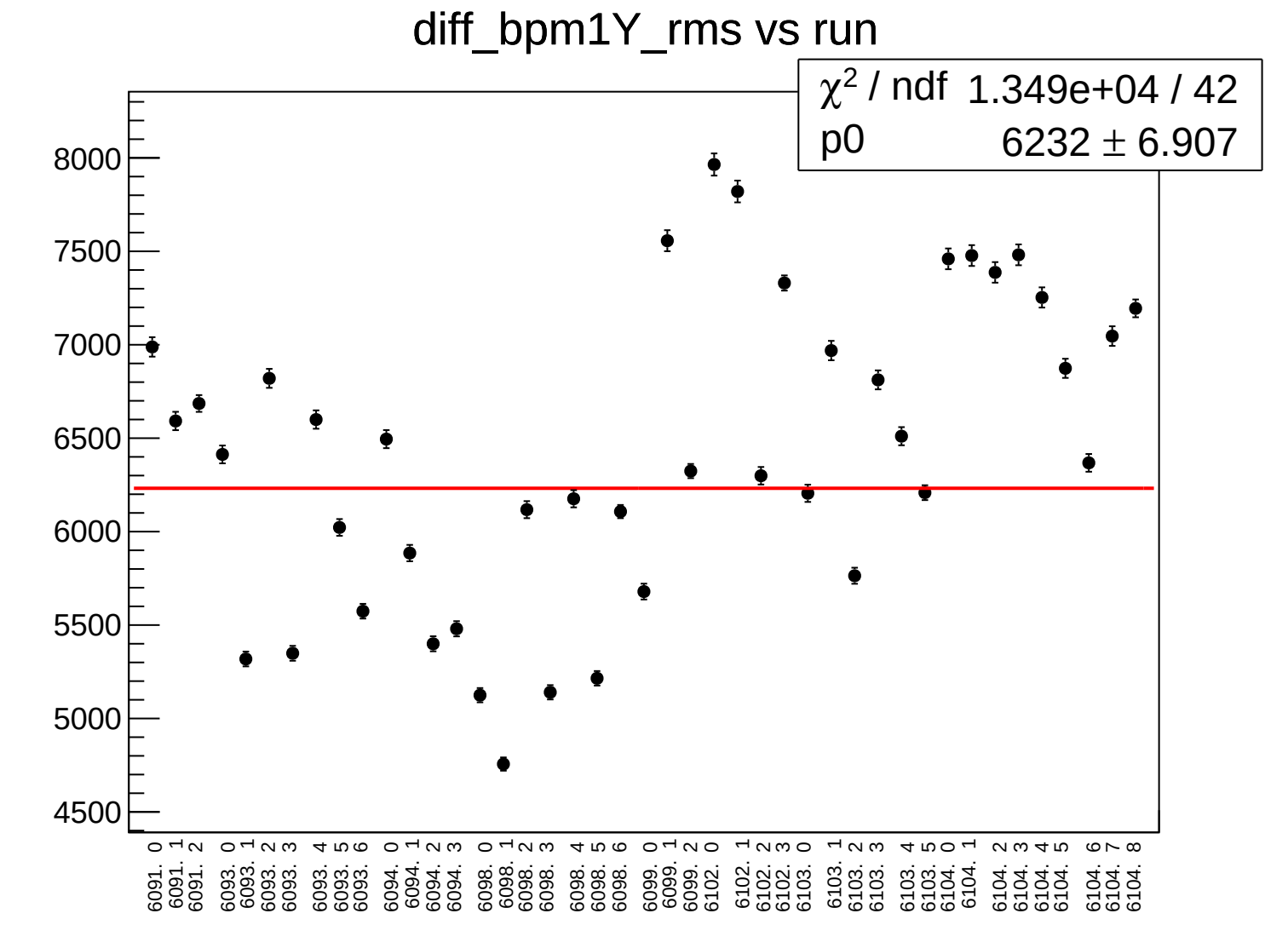

diff_bpm4ecY_rms vs run
χ² / ndf 4848 / 42
p0 7232 ± 7.973
8000
7500
7000
6500
6000
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

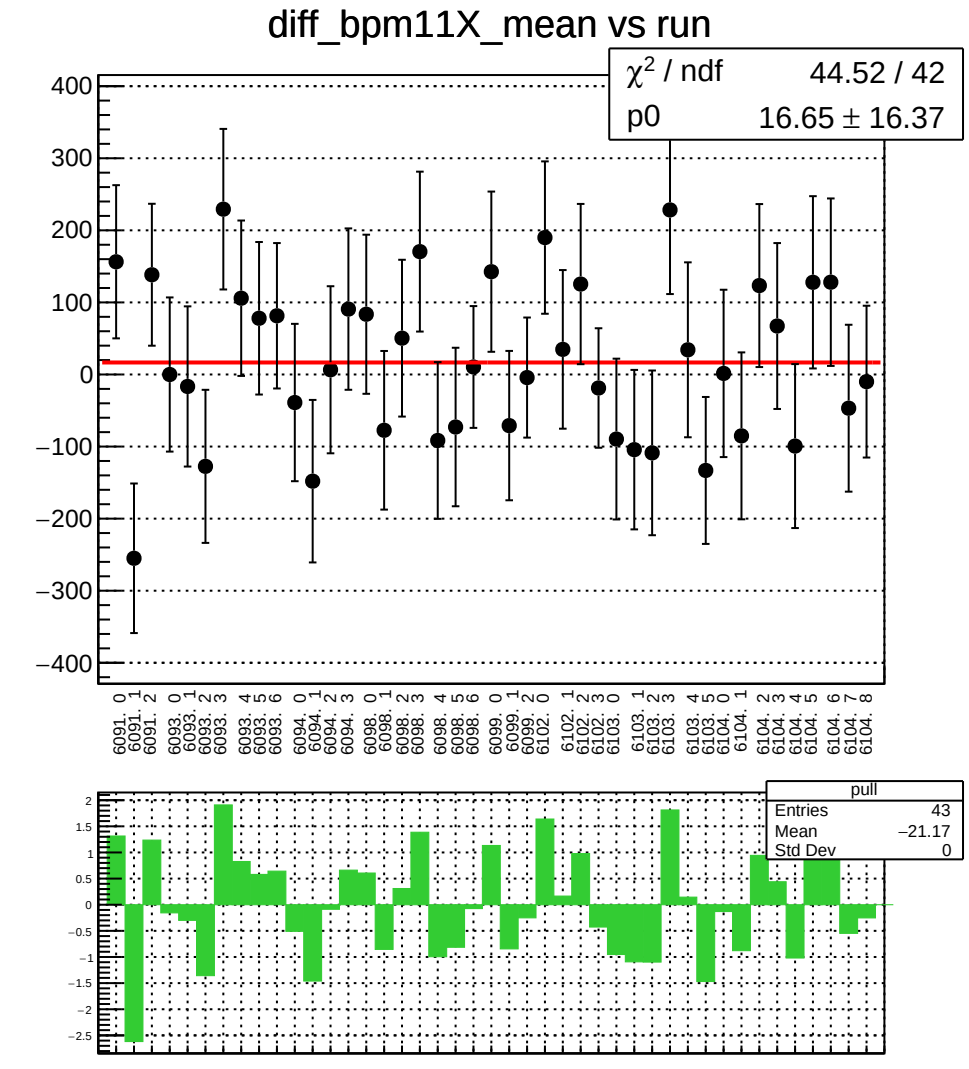

diff_bpm1X_mean vs run
χ² / ndf 36.49 / 42
p0 −0.8964 ± 26
600
400
200
0
−200
−400
−600
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 58.41
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

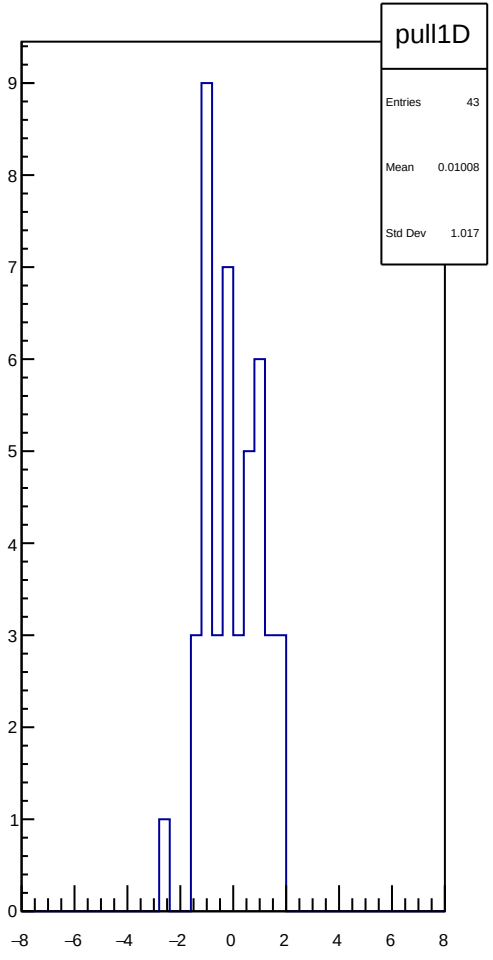

pull1D
Entries 43
Mean 0.006842
Std Dev 0.9211
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

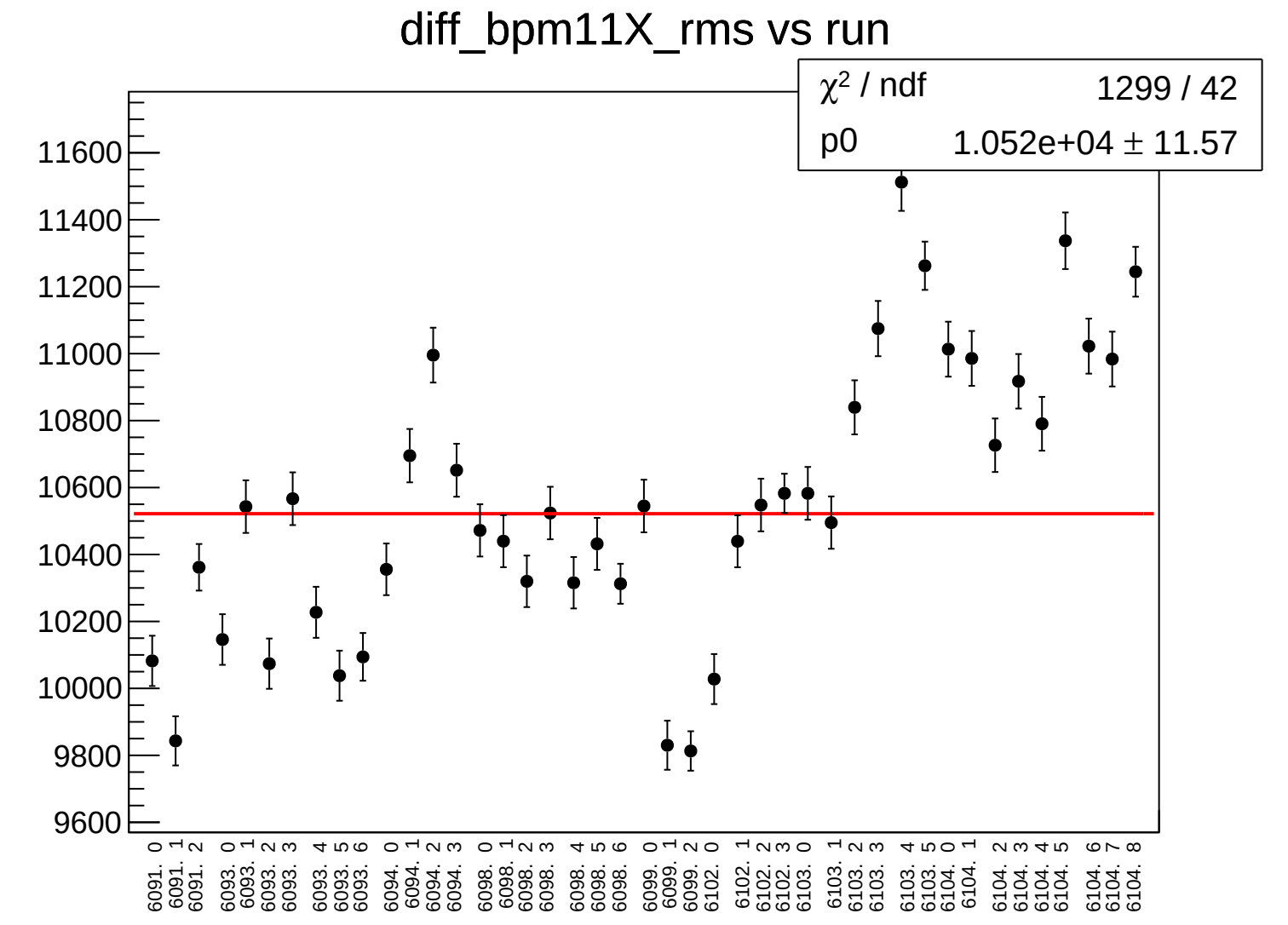

diff_bpm1X_rms vs run
χ² / ndf 3482 / 42
p0 1.669e+04 ± 18.39
19000
18000
17000
16000
15000
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

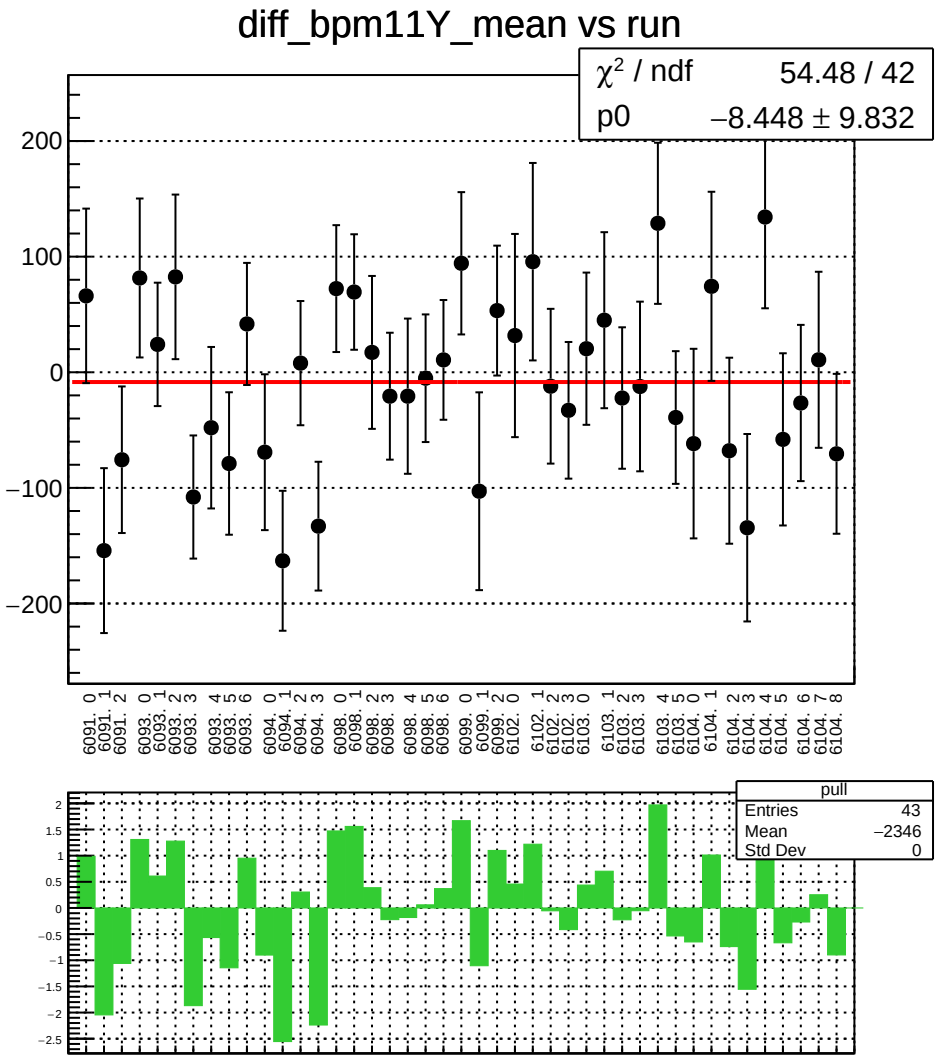

diff_bpm1Y_mean vs run
χ² / ndf 50.76 / 42
p0 4.614 ± 9.768
200
100
0
−100
−200
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean −220
Std Dev 0
3
2
1
0
−1
−2
pull1D
Entries 43
Mean 0.007862
Std Dev 1.086
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

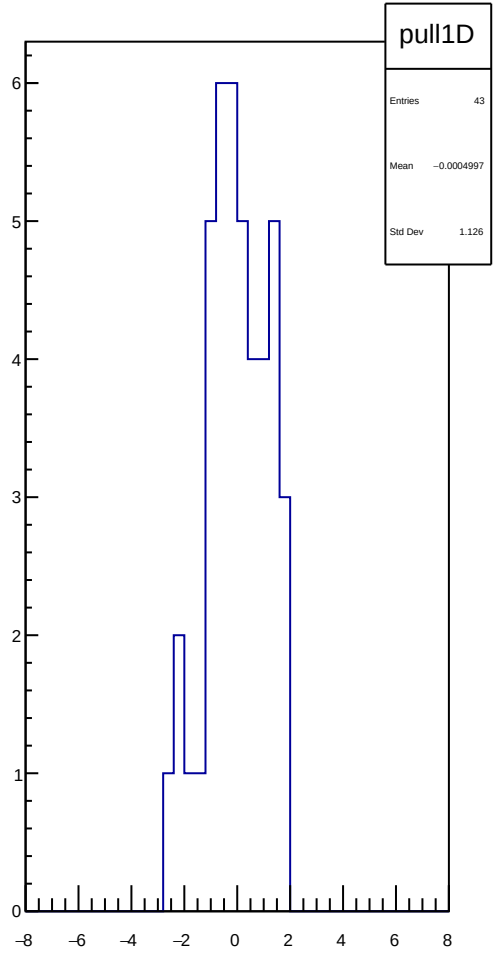

diff_bpm1Y_rms vs run
χ² / ndf 1.349e+04 / 42
p0 6232 ± 6.907
8000
7500
7000
6500
6000
5500
5000
4500
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

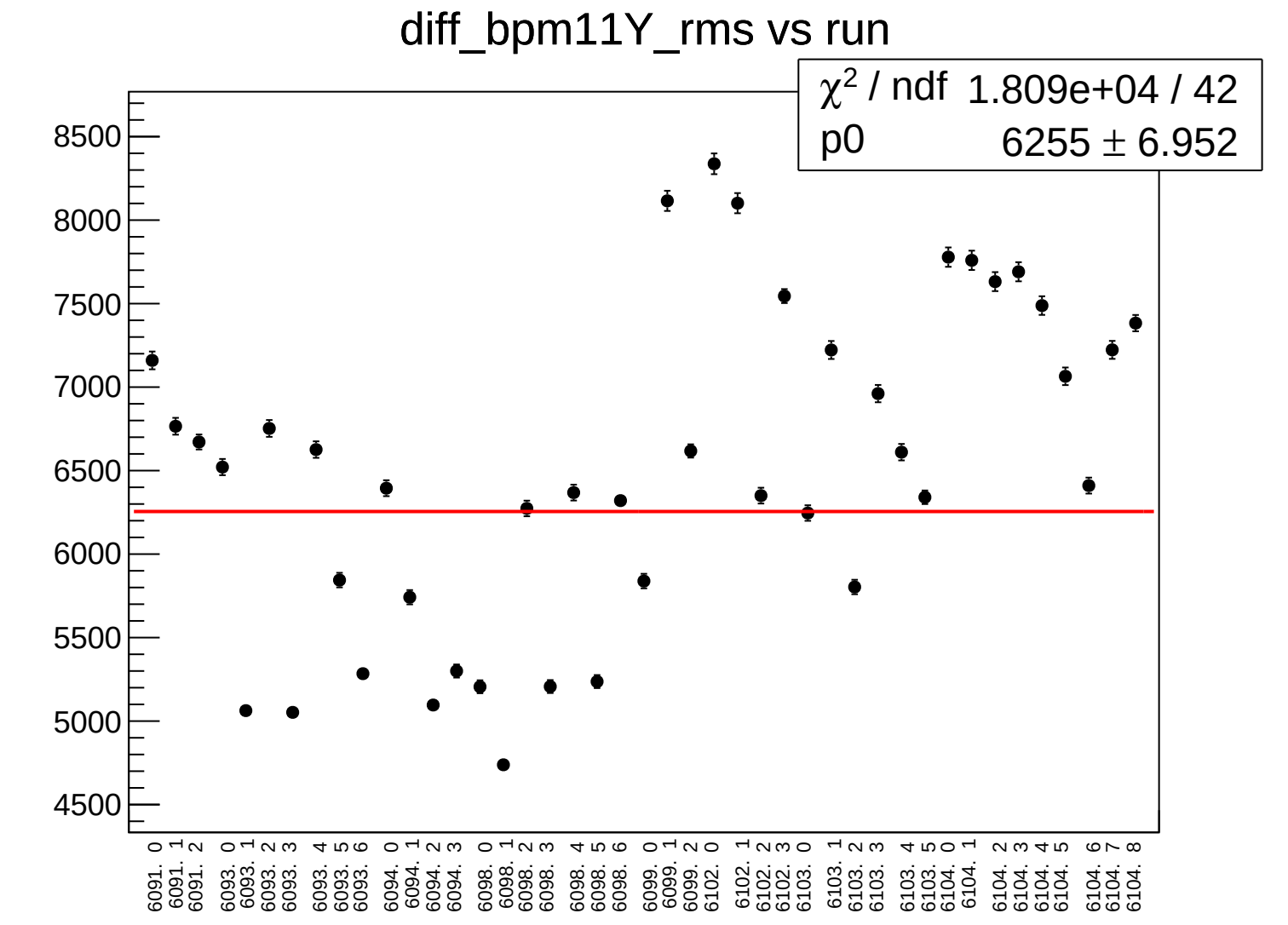

diff_bpm11X_mean vs run
χ² / ndf 44.52 / 42
p0 16.65 ± 16.37
400
300
200
100
0
−100
−200
−300
−400
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean −21.17
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

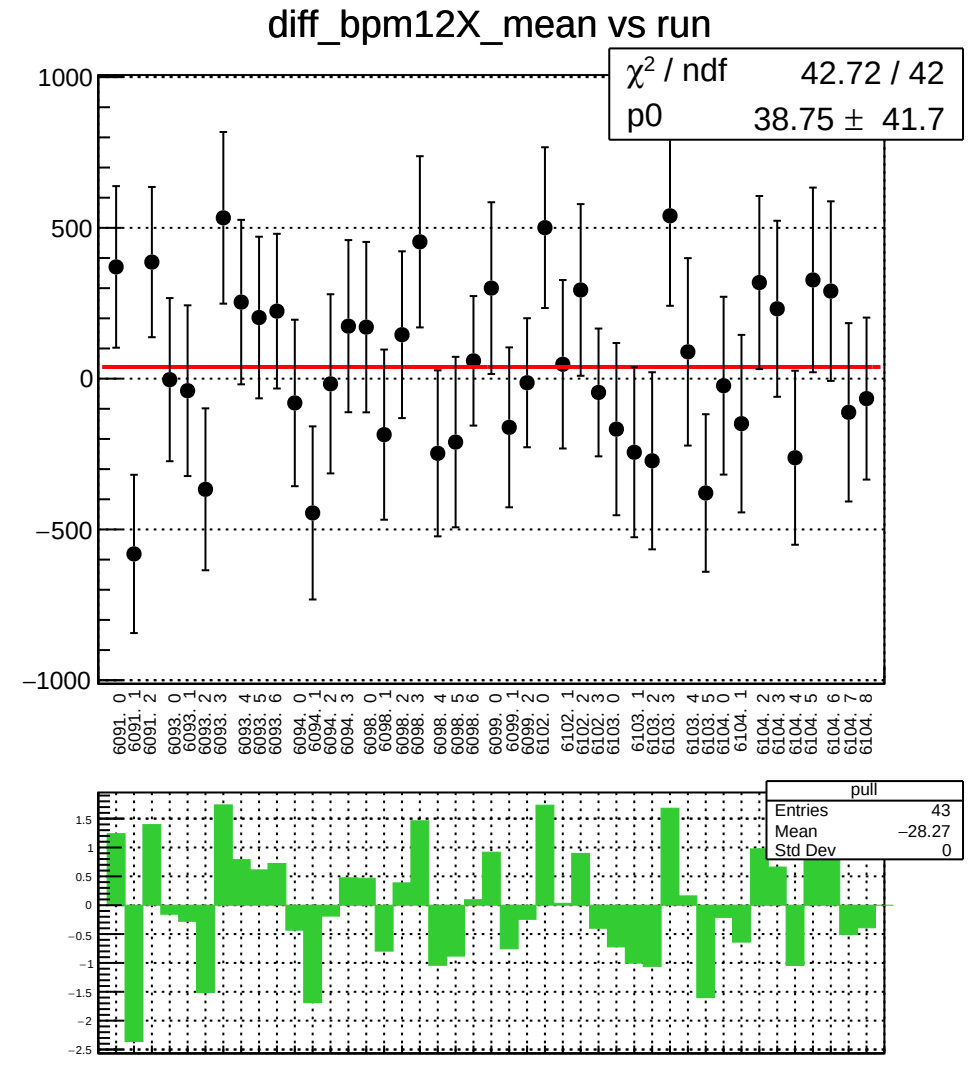

pull1D
Entries 43
Mean 0.01008
Std Dev 1.017
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

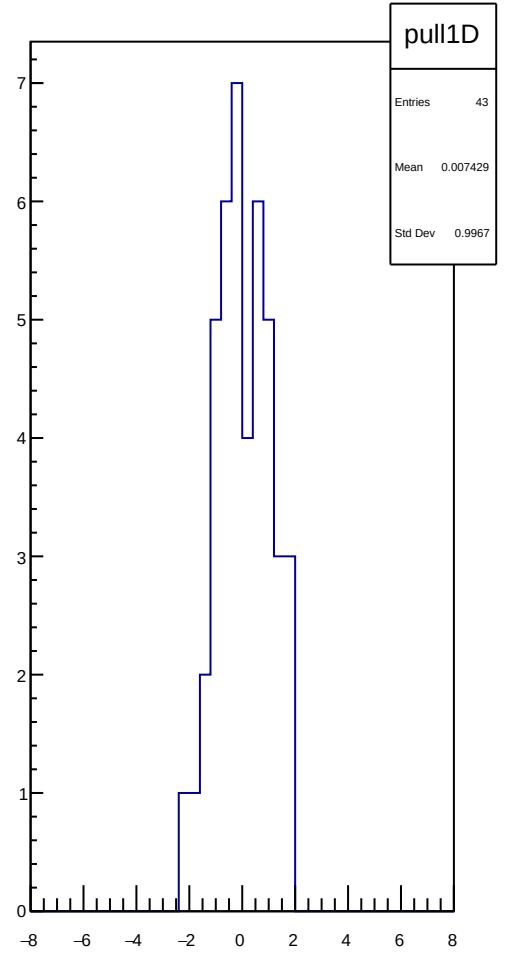

diff_bpm11X_rms vs run
χ² / ndf 1299 / 42
p0 1.052e+04 ± 11.57
11600
11400
11200
11000
10800
10600
10400
10200
10000
9800
9600
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

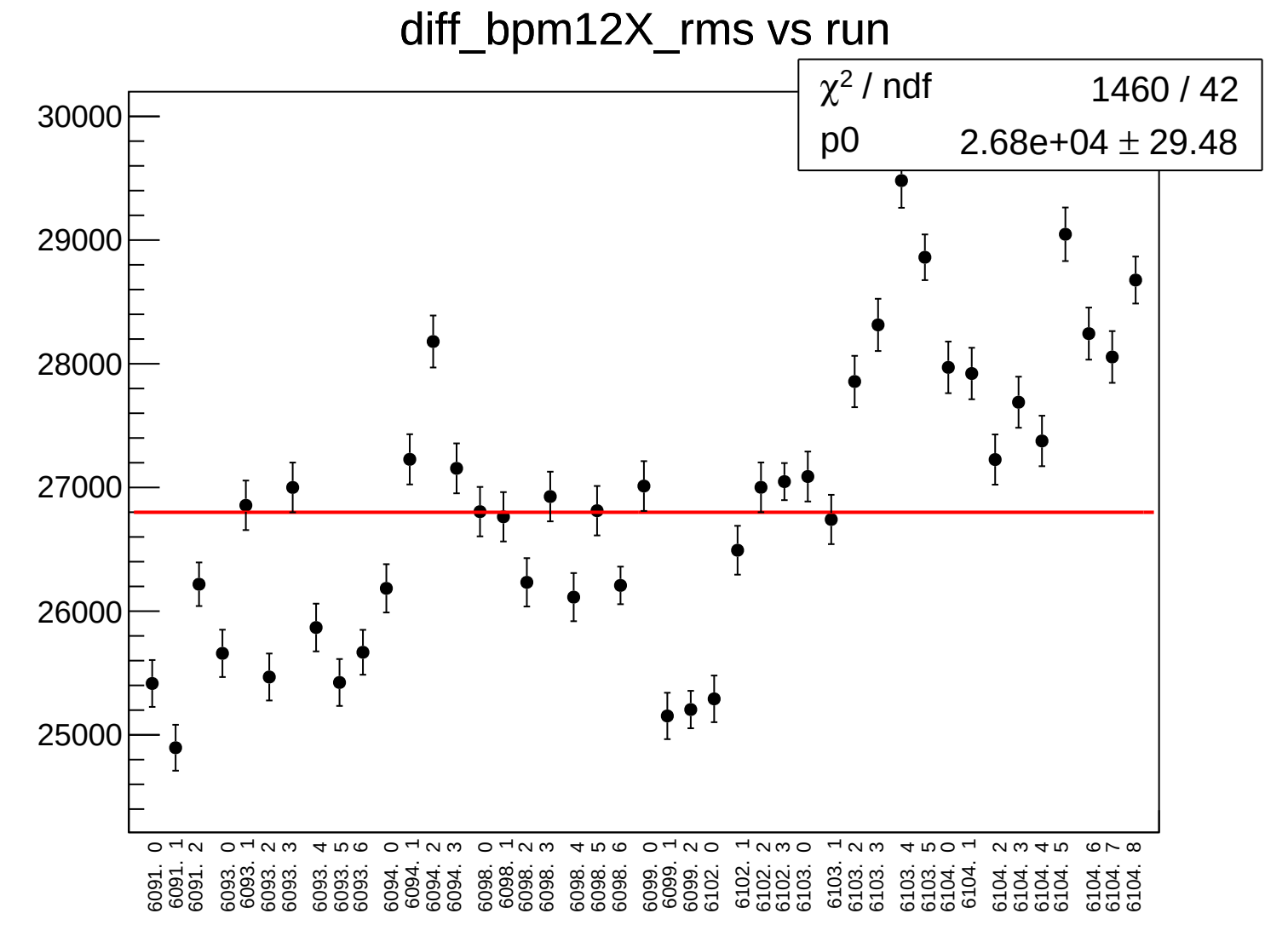

diff_bpm11Y_mean vs run
χ² / ndf 54.48 / 42
p0 −8.448 ± 9.832
200
100
0
−100
−200
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean −2346
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

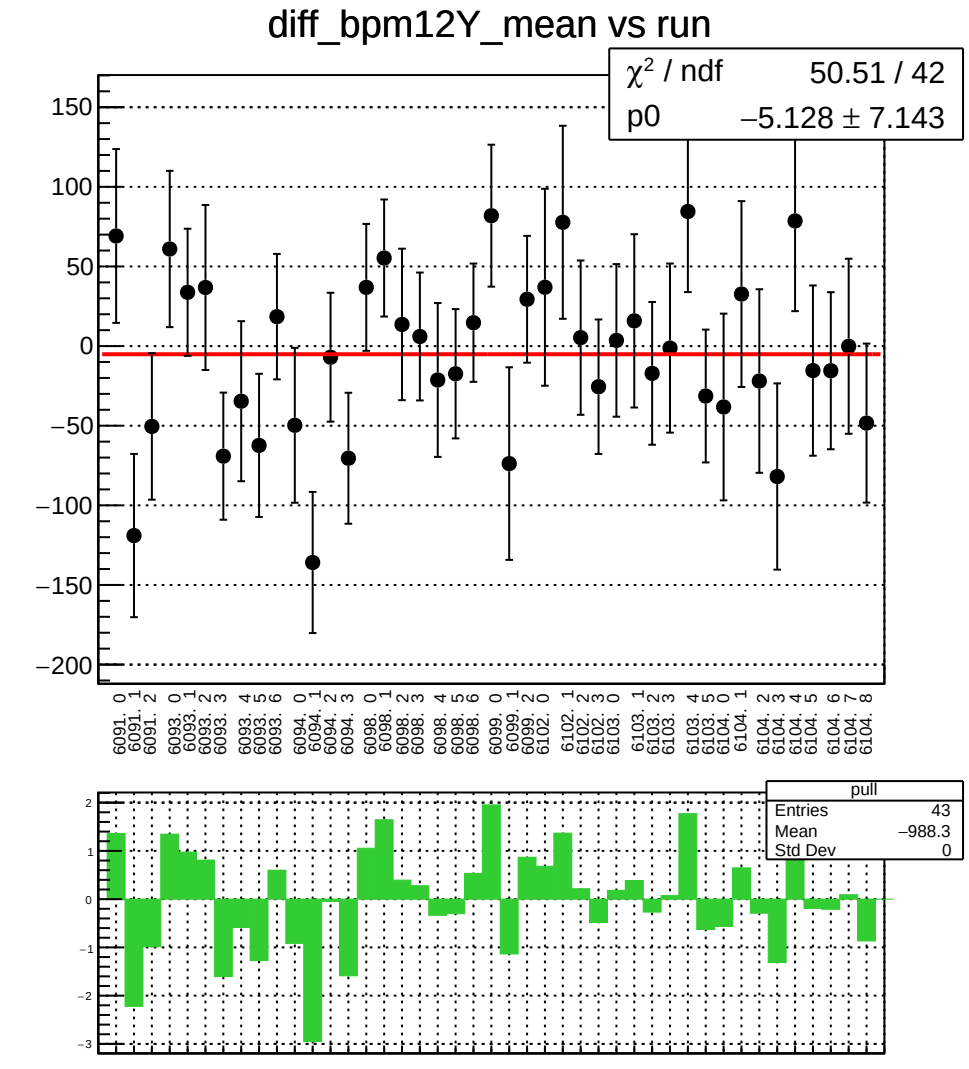

pull1D
Entries 43
Mean −0.0004997
Std Dev 1.126
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

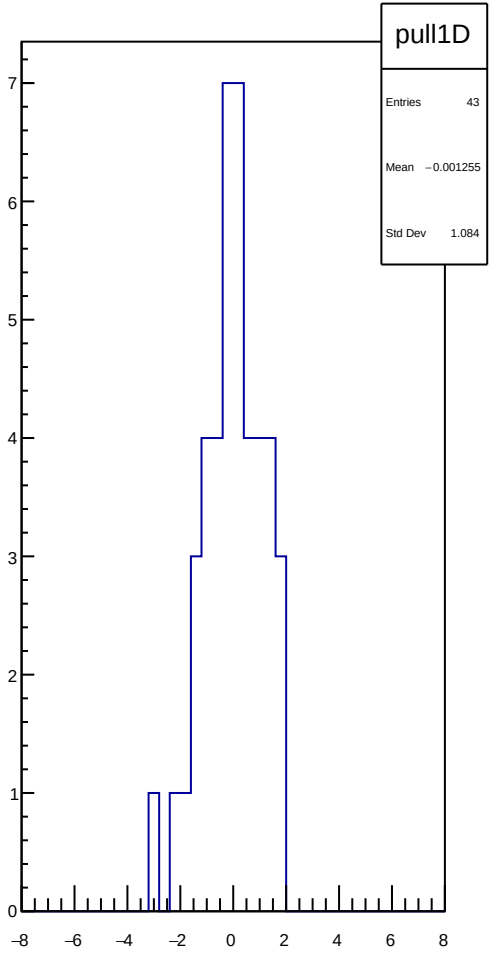

diff_bpm11Y_rms vs run
χ² / ndf 1.809e+04 / 42
p0 6255 ± 6.952
8500
8000
7500
7000
6500
6000
5500
5000
4500
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

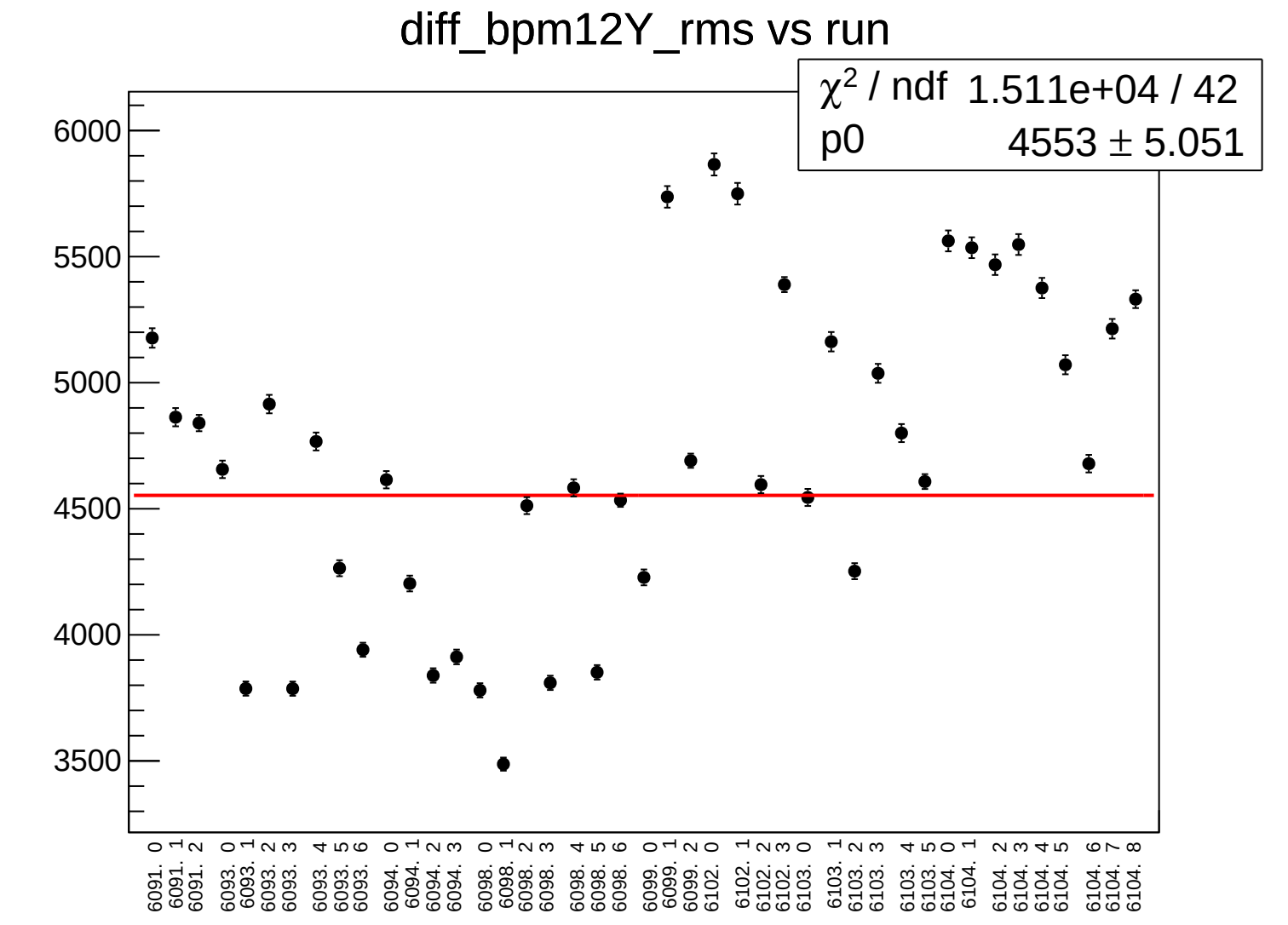

diff_bpm12X_mean vs run
χ² / ndf 42.72 / 42
p0 38.75 ± 41.7
1000
500
0
−500
−1000
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean −28.27
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

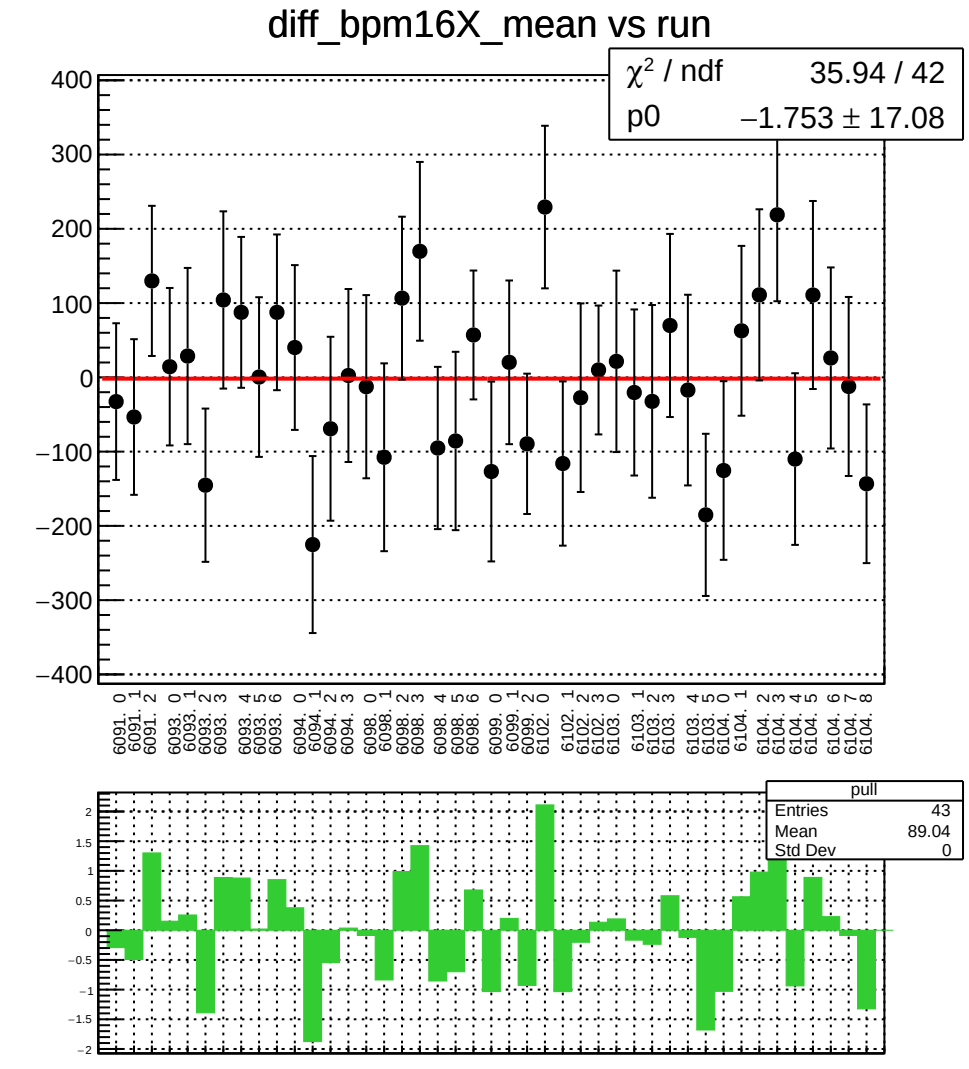

pull1D
Entries 43
Mean 0.007429
Std Dev 0.9967
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

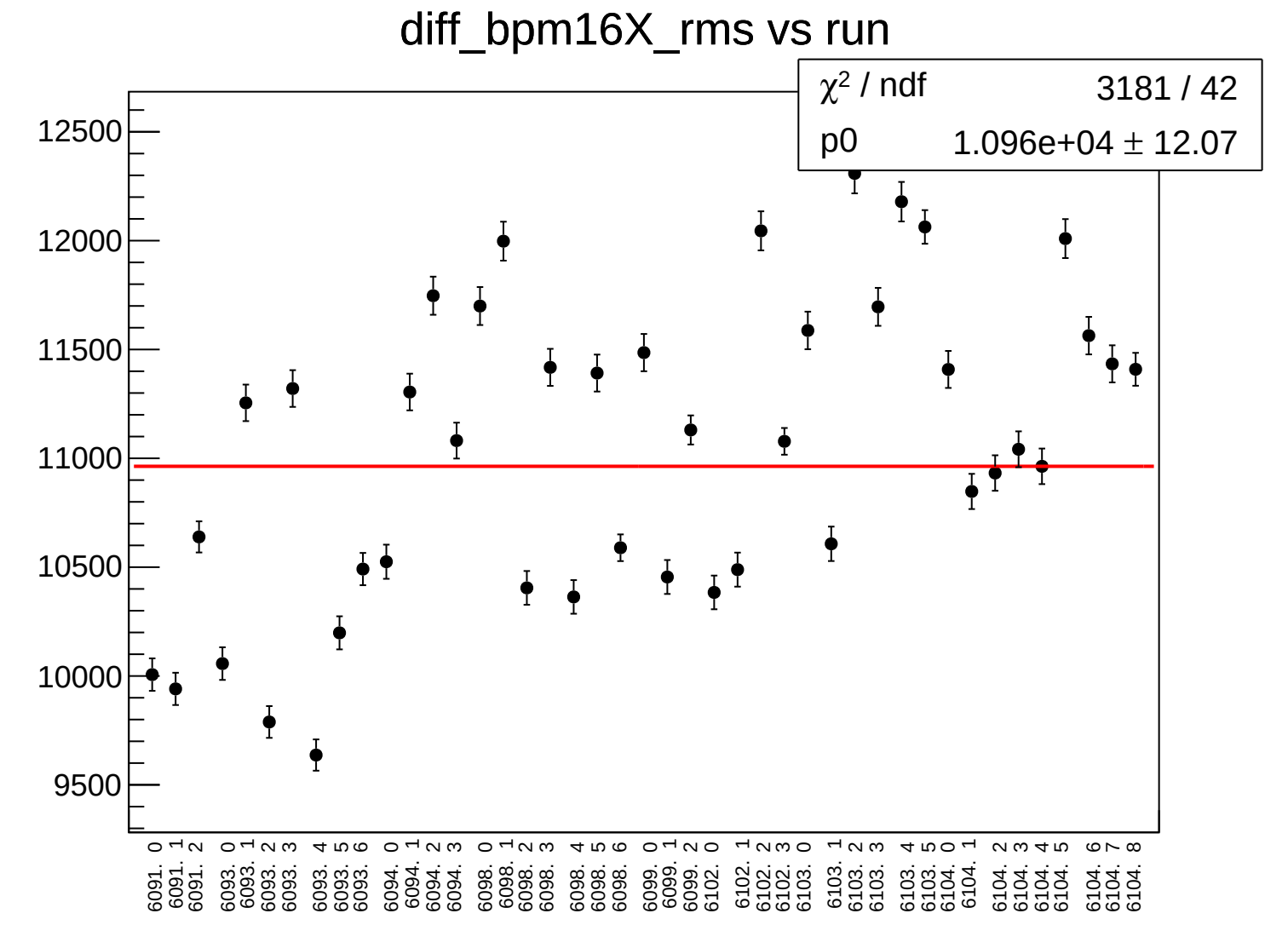

diff_bpm12X_rms vs run
χ² / ndf 1460 / 42
p0 2.68e+04 ± 29.48
30000
29000
28000
27000
26000
25000
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

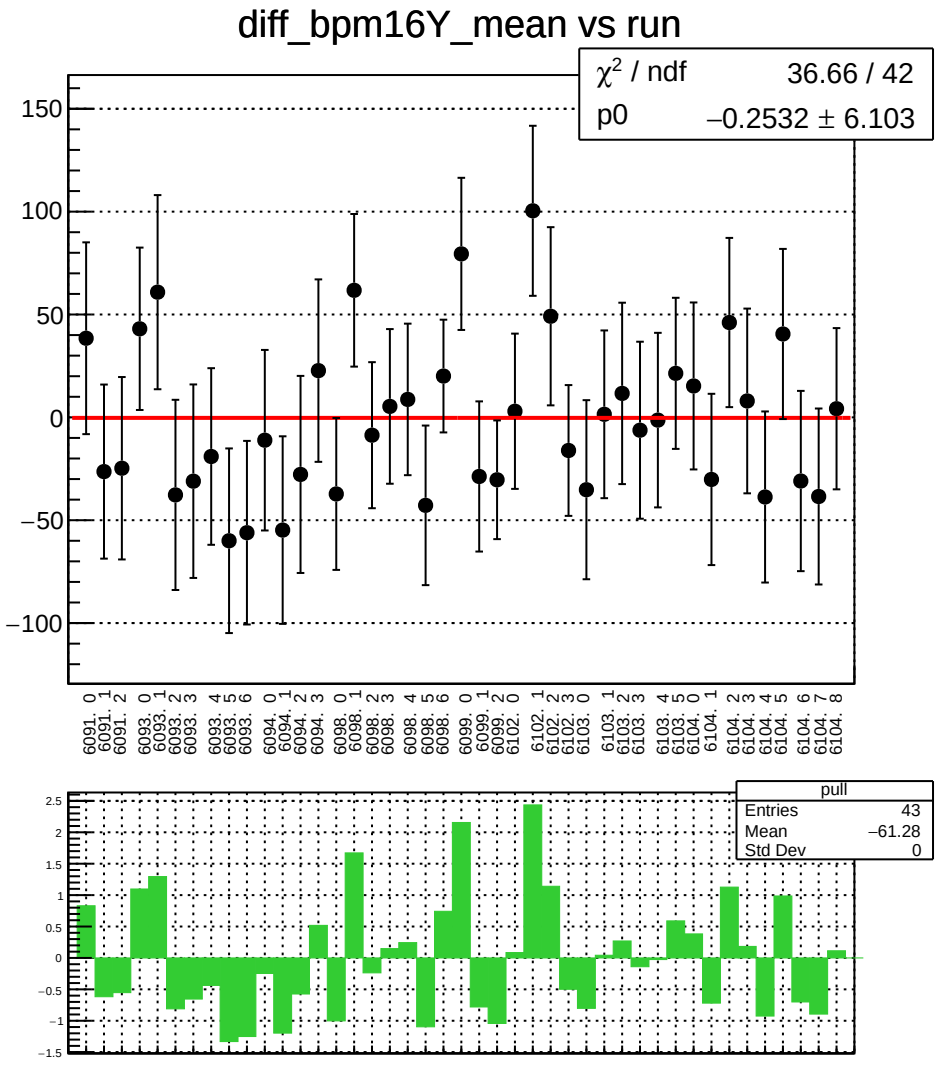

diff_bpm12Y_mean vs run
χ² / ndf 50.51 / 42
p0 −5.128 ± 7.143
150
100
50
0
−50
−100
−150
−200
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean −988.3
Std Dev 0
2
1
0
−1
−2
−3

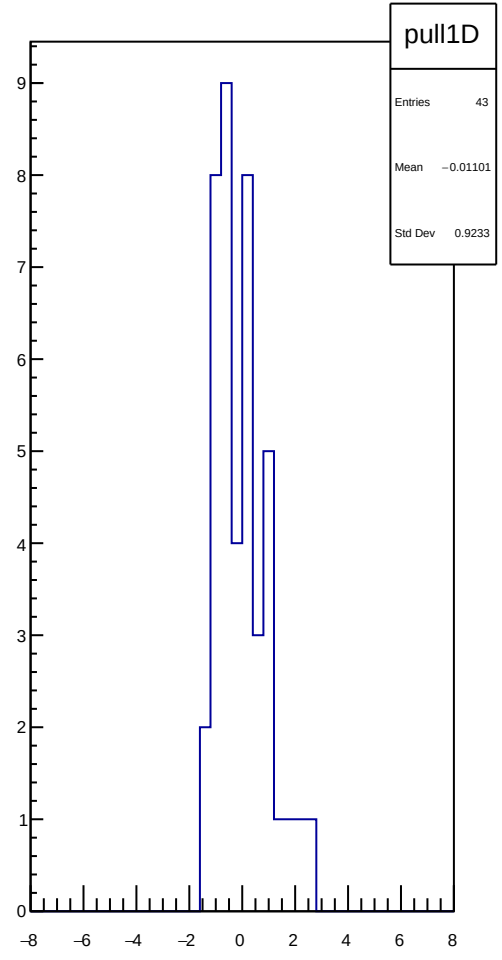

pull1D
Entries 43
Mean −0.001255
Std Dev 1.084
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

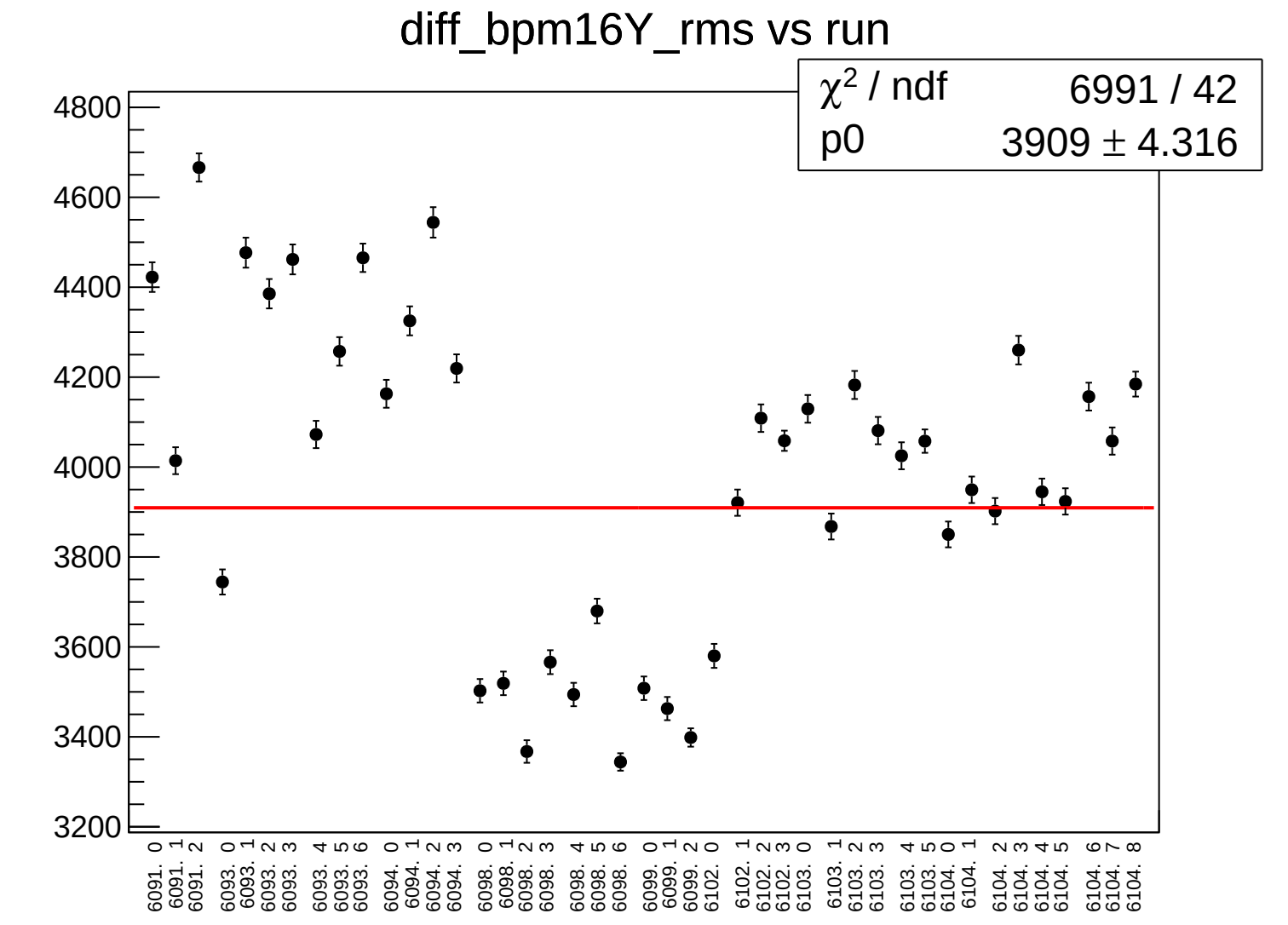

diff_bpm12Y_rms vs run
χ² / ndf 1.511e+04 / 42
p0 4553 ± 5.051
6000
5500
5000
4500
4000
3500
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

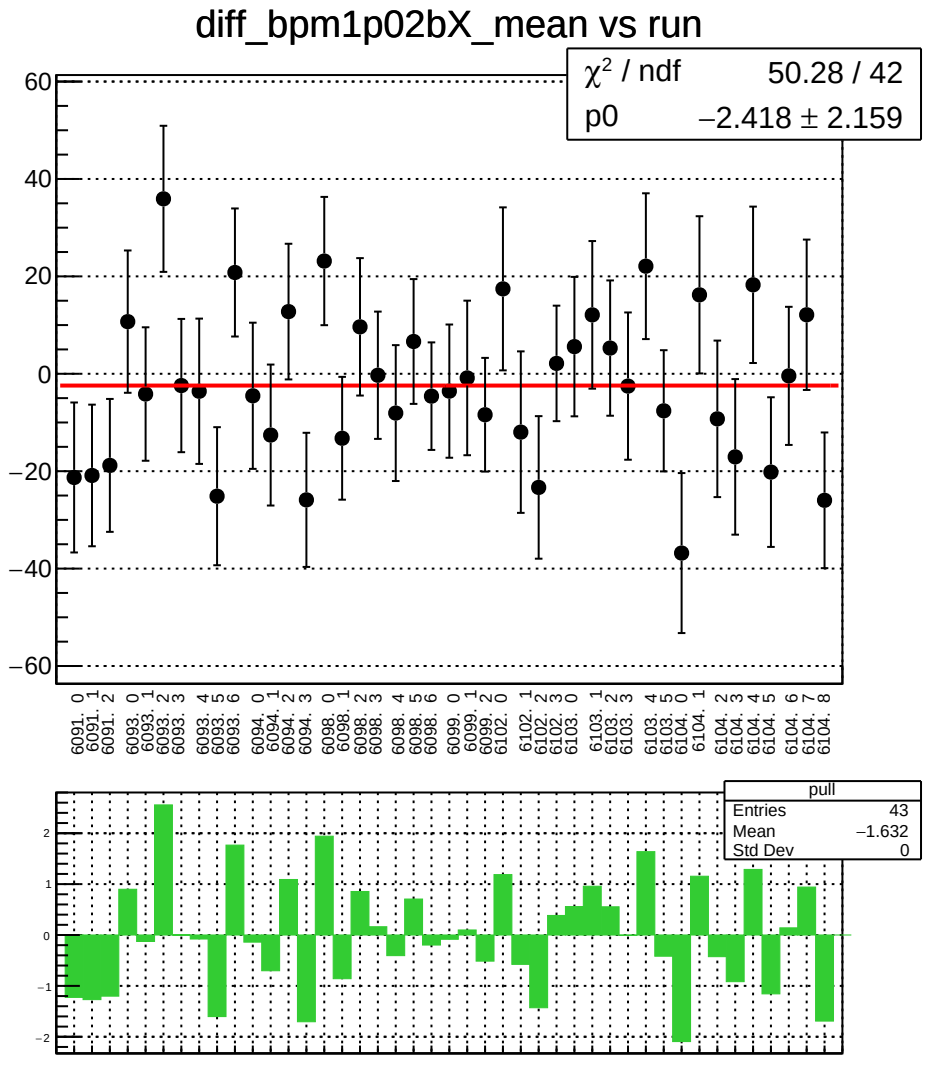

diff_bpm16X_mean vs run
χ² / ndf 35.94 / 42
p0 −1.753 ± 17.08
pull
Entries 43
Mean 89.04
Std Dev 0
pull1D
Entries 43
Mean −0.005252
Std Dev 0.9142

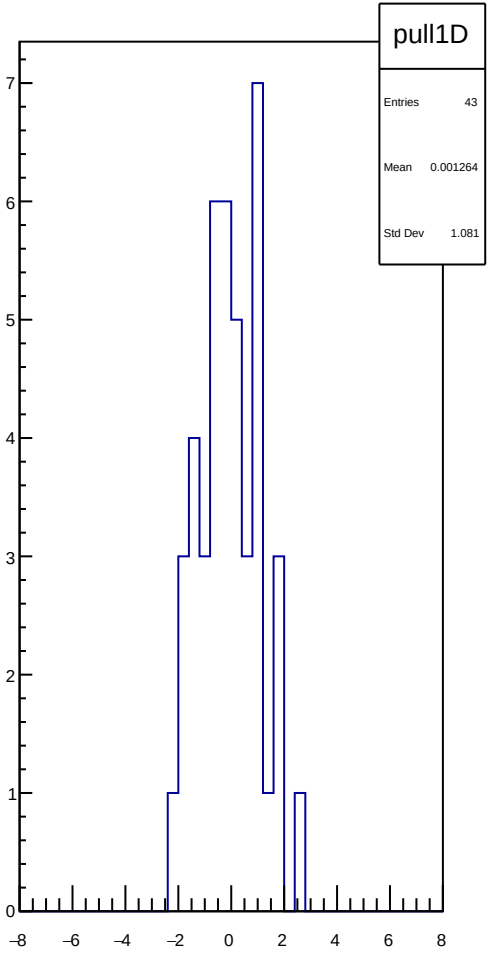

diff_bpm16X_rms vs run
χ² / ndf 3181 / 42
p0 1.096e+04 ± 12.07
12500
12000
11500
11000
10500
10000
9500
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

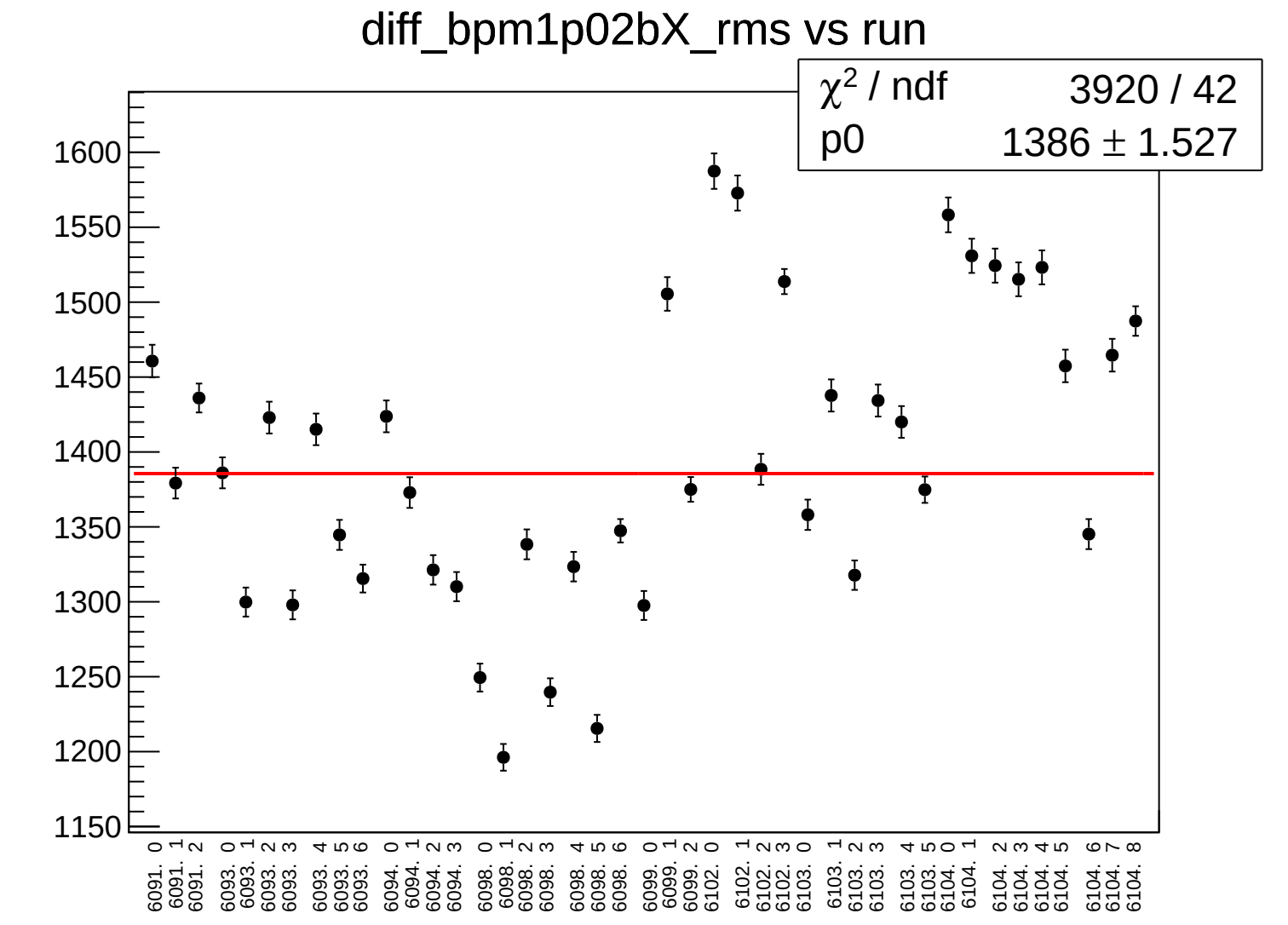

diff_bpm16Y_mean vs run
χ² / ndf 36.66 / 42
p0 −0.2532 ± 6.103
150
100
50
0
−50
−100
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean −61.28
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5

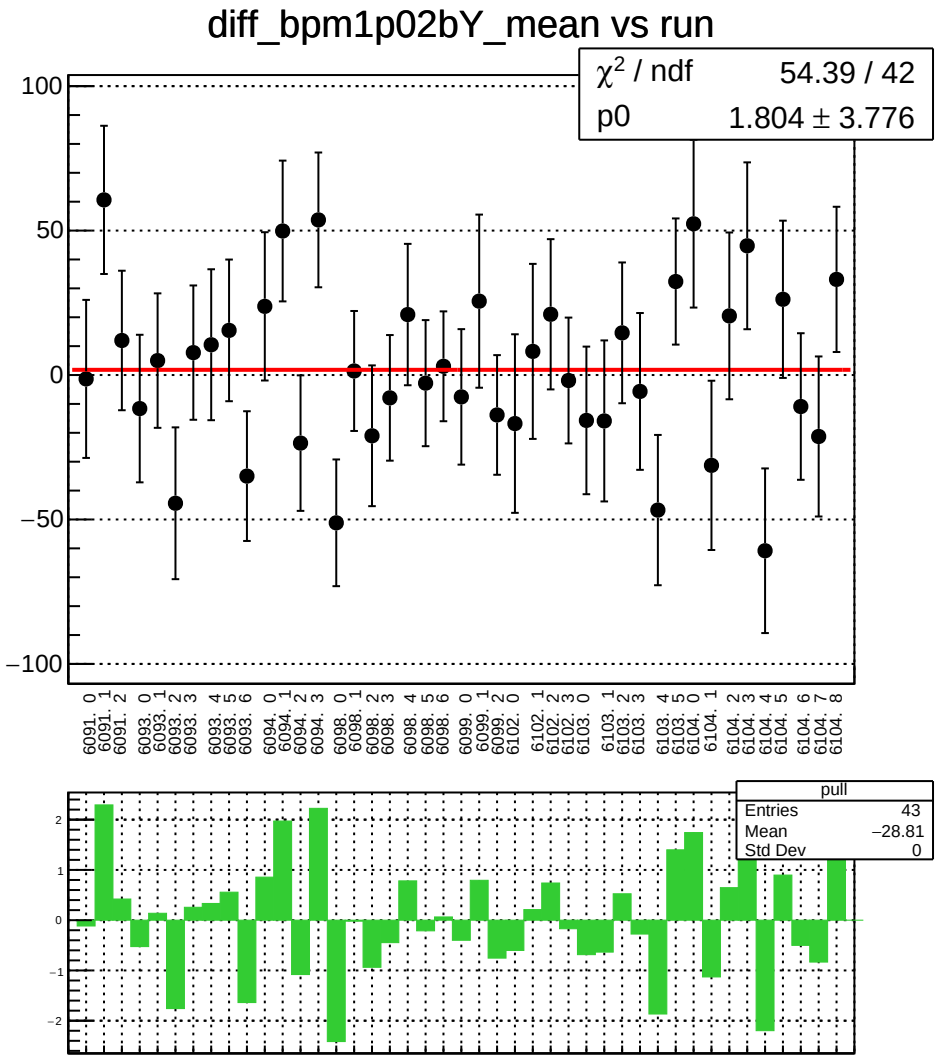

pull1D
Entries 43
Mean −0.01101
Std Dev 0.9233
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

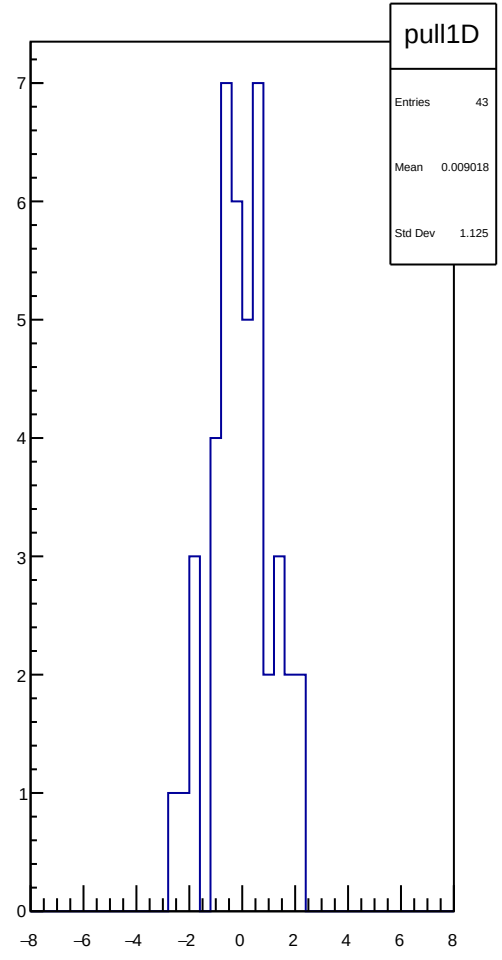

diff_bpm16Y_rms vs run
χ² / ndf 6991 / 42
p0 3909 ± 4.316
4800
4600
4400
4200
4000
3800
3600
3400
3200
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

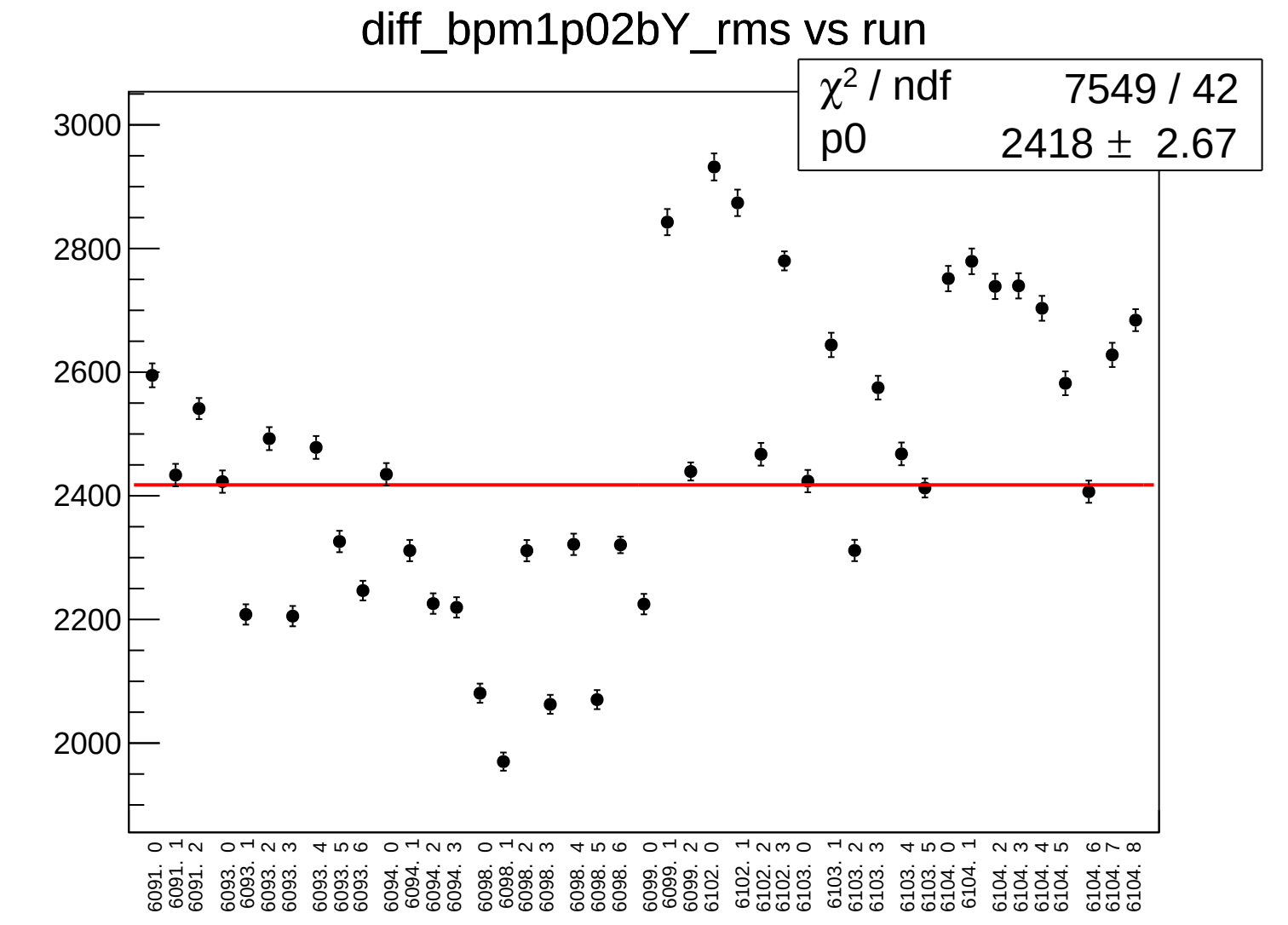

diff_bpm1p02bX_mean vs run
χ² / ndf 50.28 / 42
p0 −2.418 ± 2.159
pull
Entries 43
Mean −1.632
Std Dev 0

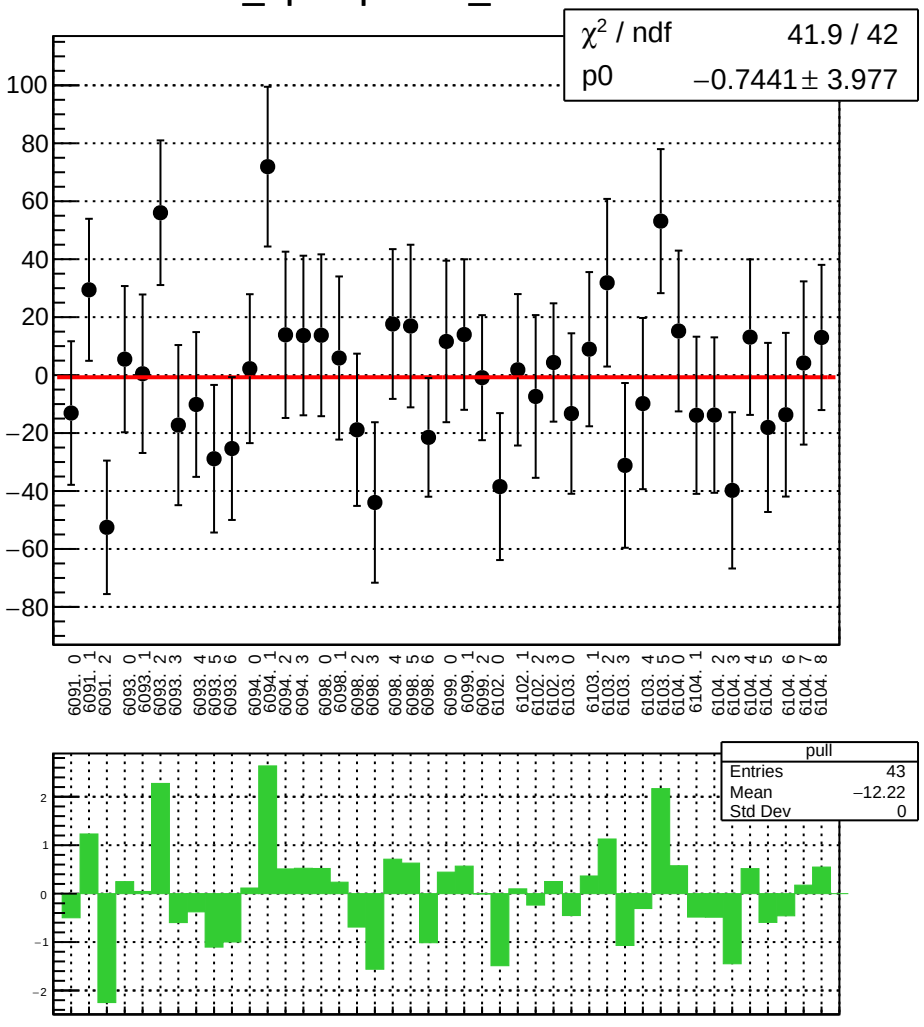

pull1D
Entries 43
Mean 0.001264
Std Dev 1.081

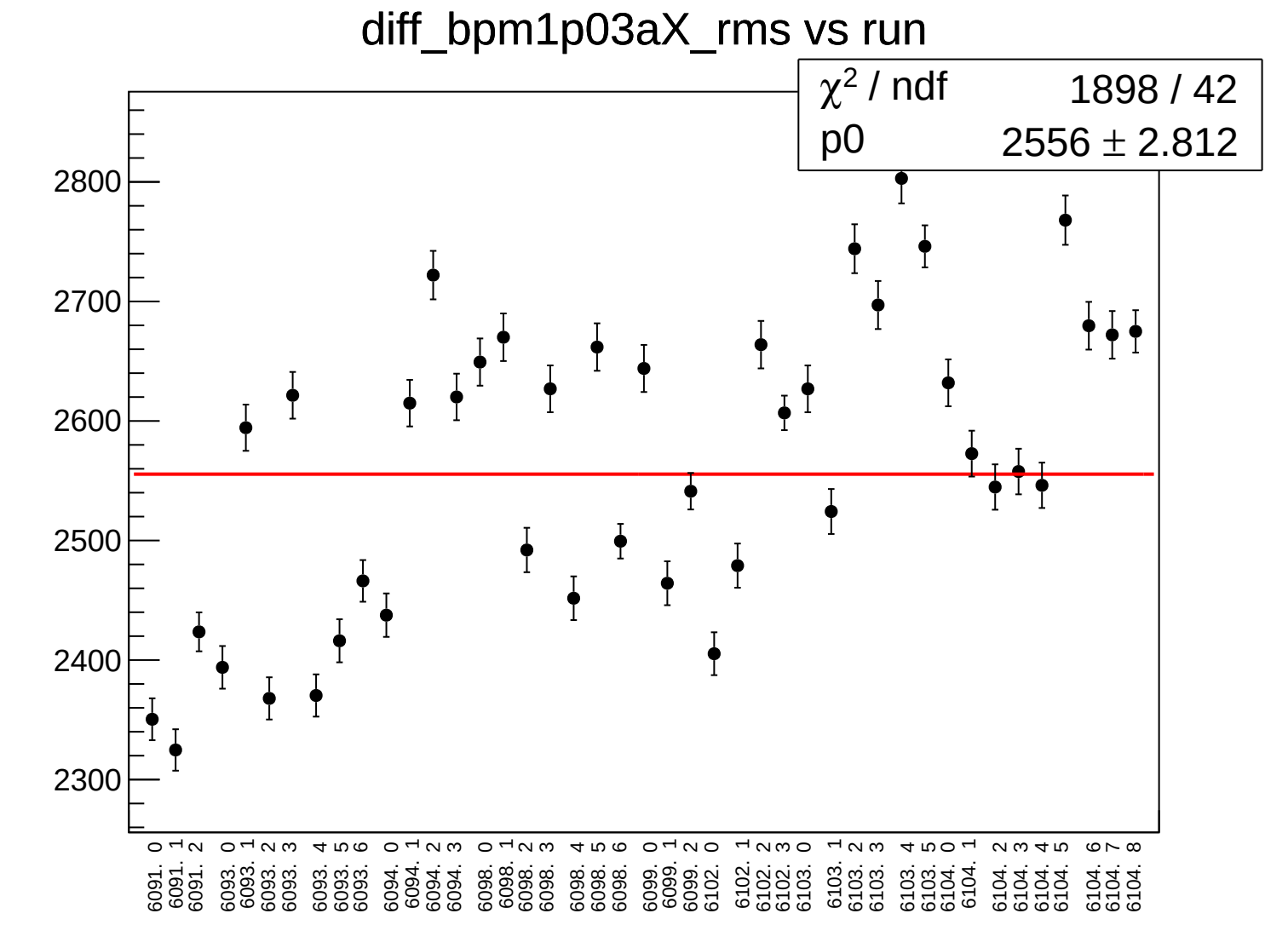

diff_bpm1p02bX_rms vs run
χ² / ndf 3920 / 42
p0 1386 ± 1.527
1600
1550
1500
1450
1400
1350
1300
1250
1200
1150
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

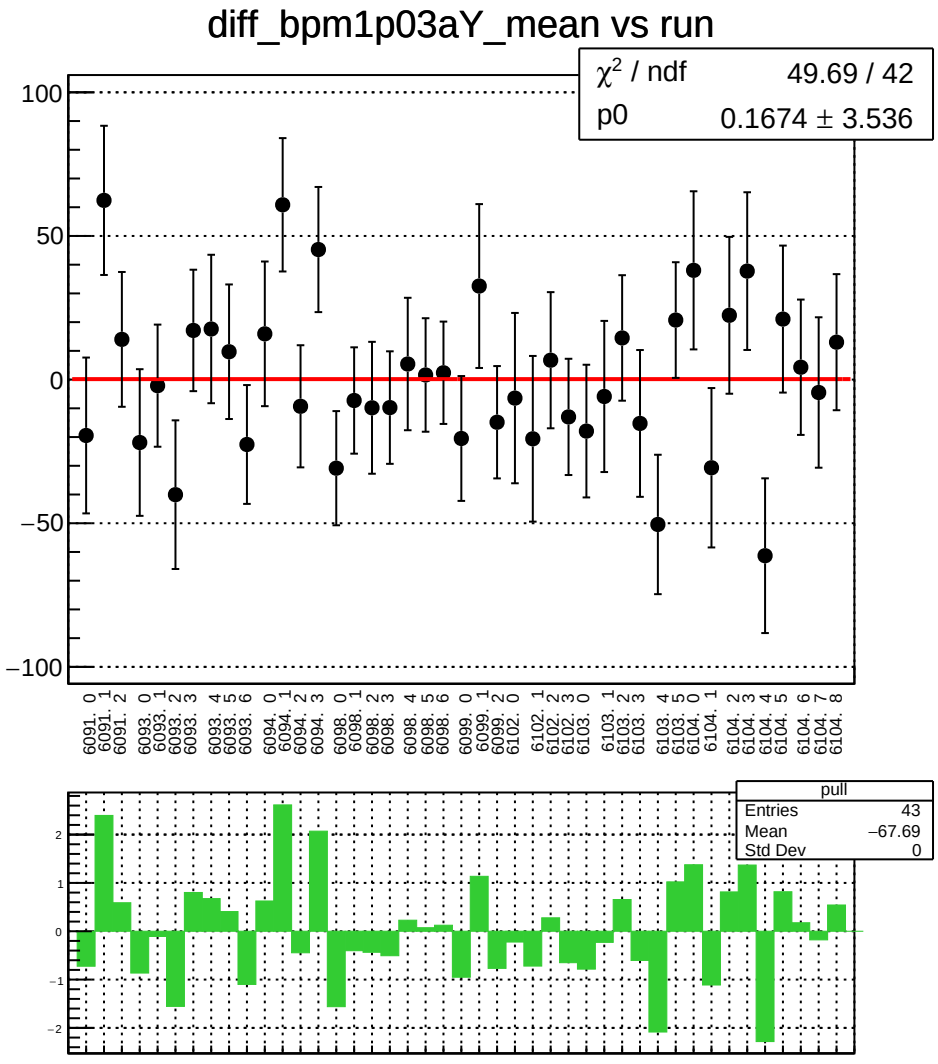

diff_bpm1p02bY_mean vs run
χ² / ndf 54.39 / 42
p0 1.804 ± 3.776
100
50
0
−50
−100
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean −28.81
Std Dev 0
2
1
0
−1
−2

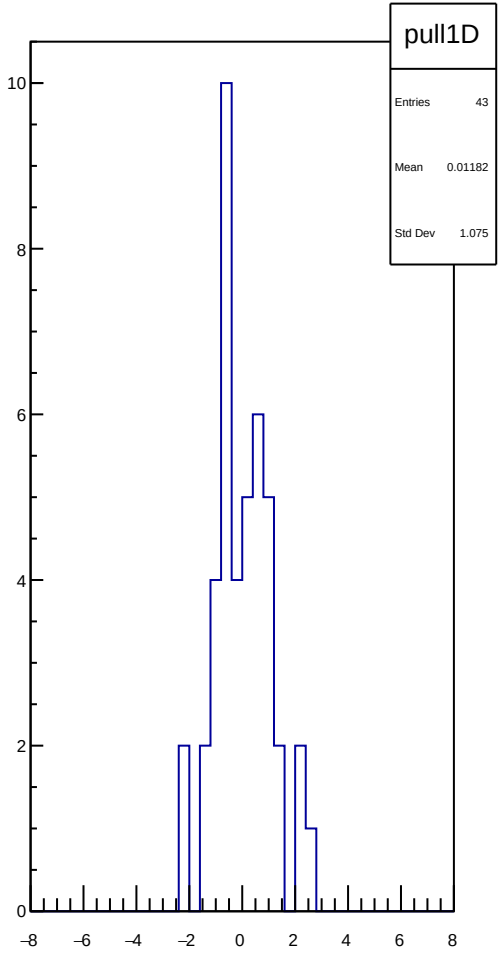

pull1D
Entries 43
Mean 0.009018
Std Dev 1.125
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

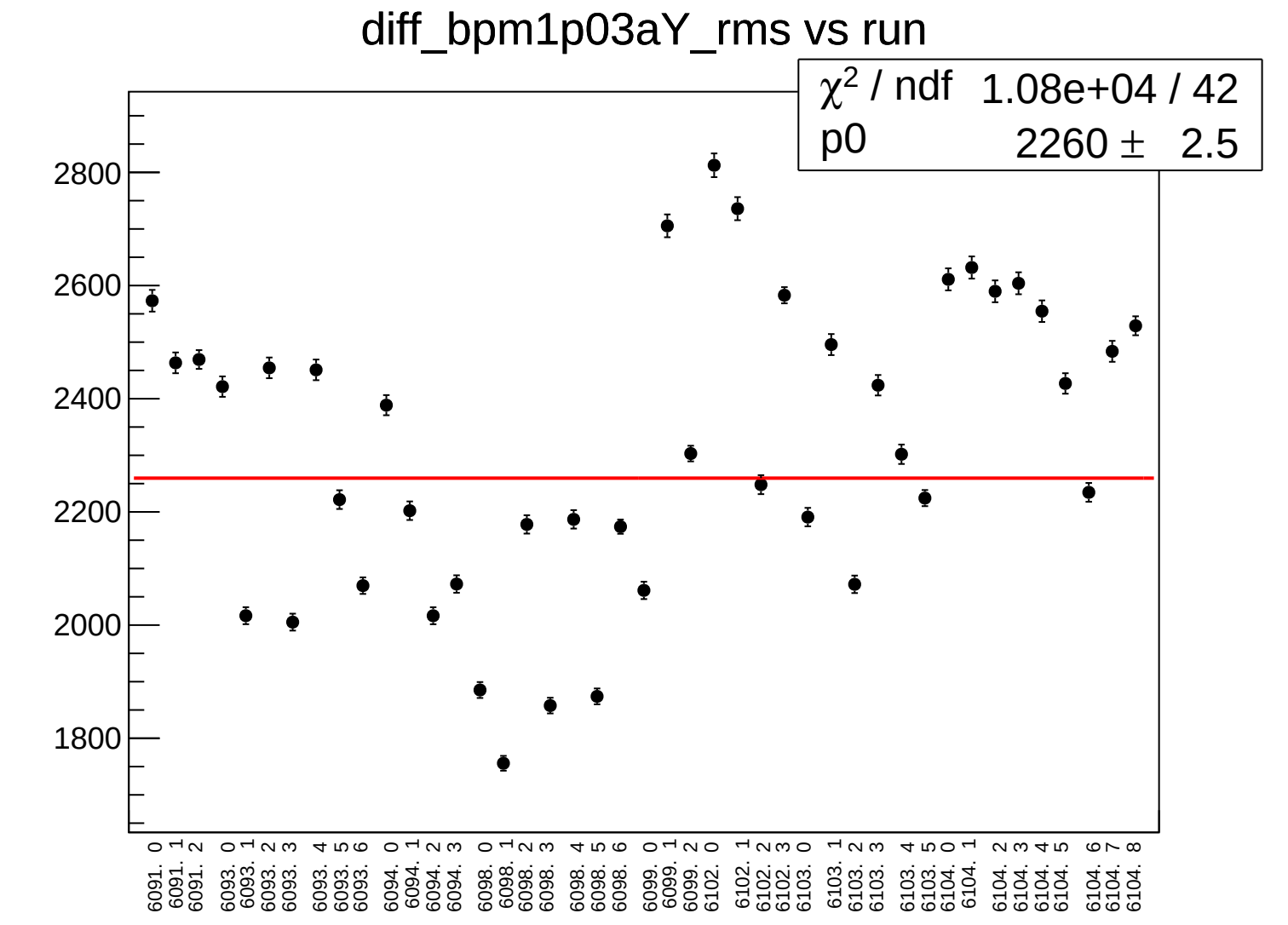

diff_bpm1p02bY_rms vs run
χ² / ndf 7549 / 42
p0 2418 ± 2.67
3000
2800
2600
2400
2200
2000
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

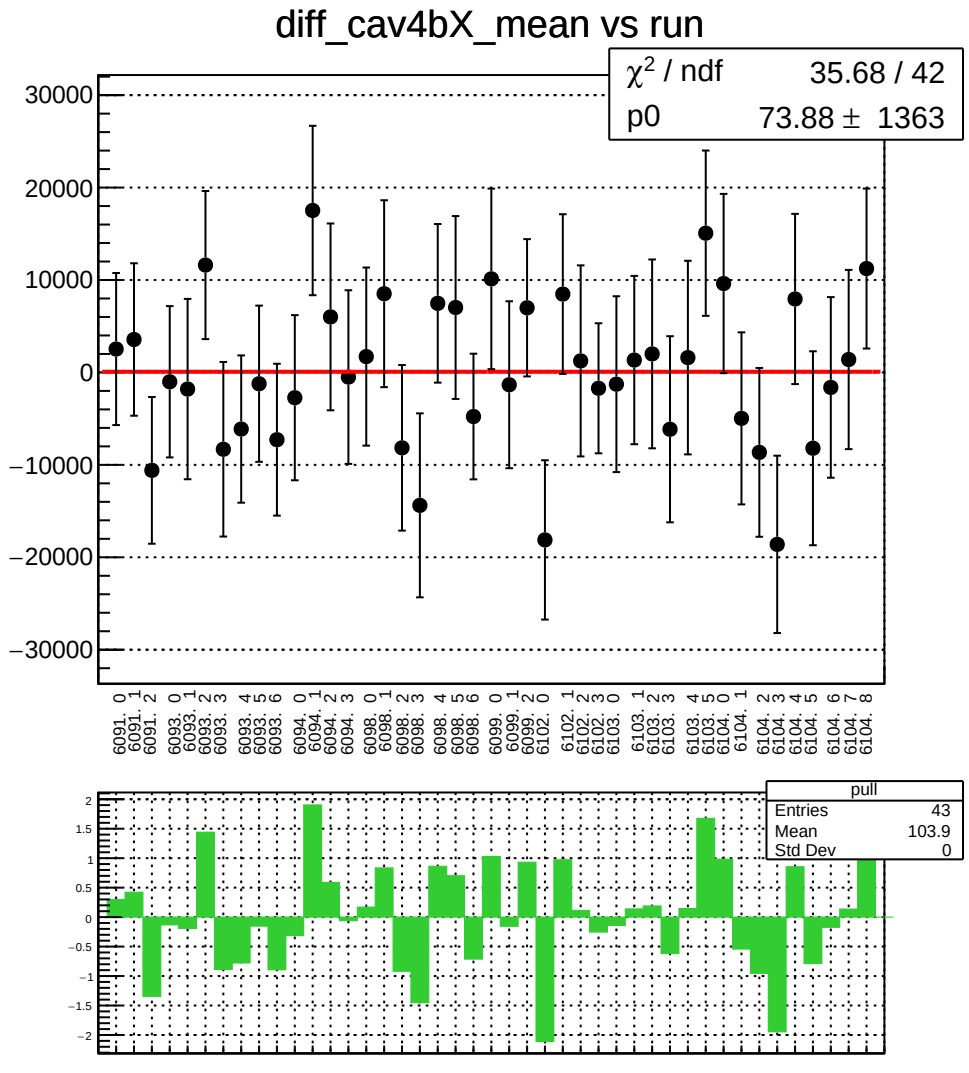

diff_bpm1p03aX_mean vs run
χ² / ndf 41.9 / 42
p0 −0.7441 ± 3.977
pull
Entries 43
Mean −12.22
Std Dev 0
pull1D
Entries 43
Mean 0.009222
Std Dev 0.9871

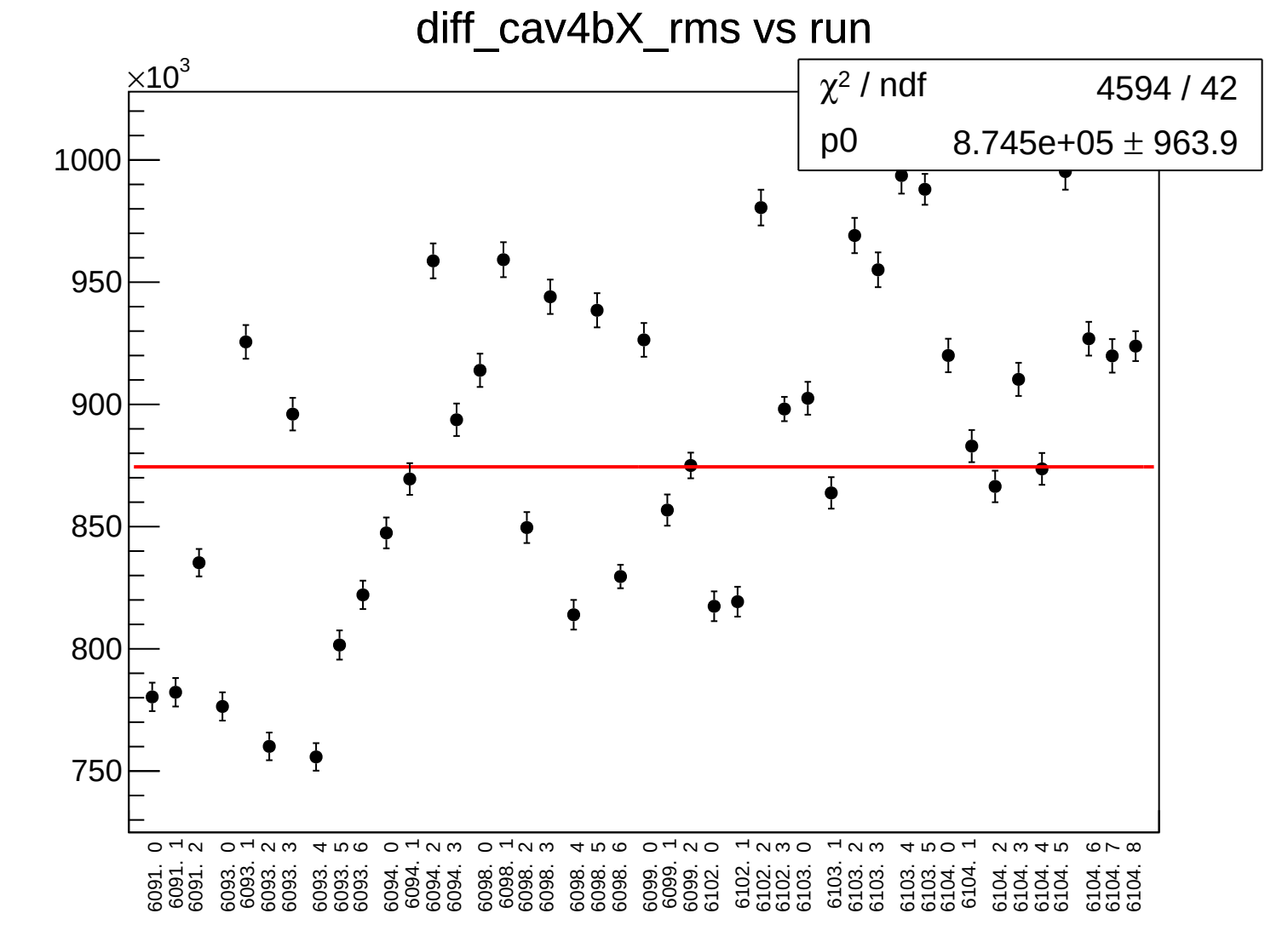

diff_bpm1p03aX_rms vs run
χ² / ndf 1898 / 42
p0 2556 ± 2.812
2800
2700
2600
2500
2400
2300
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

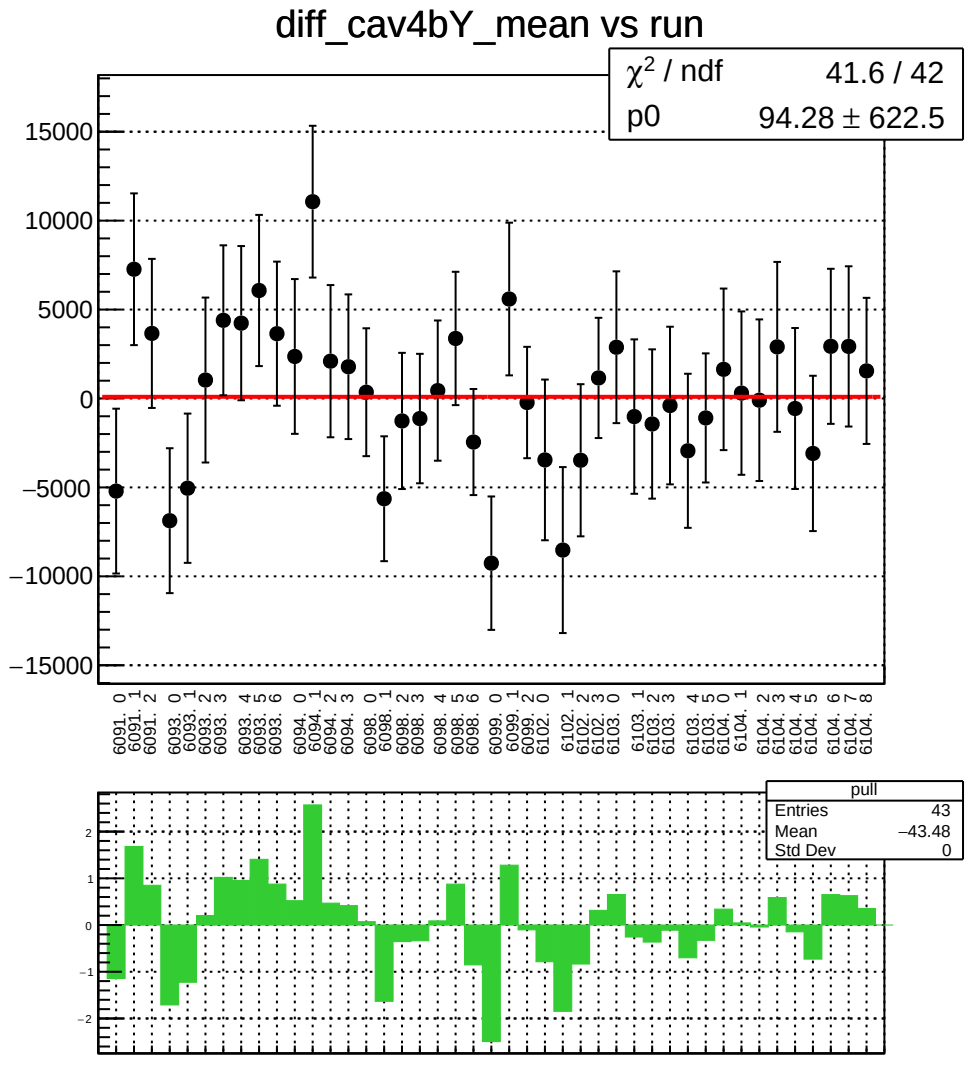

diff_bpm1p03aY_mean vs run
χ² / ndf 49.69 / 42
p0 0.1674 ± 3.536
100
50
0
−50
−100
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean −67.69
Std Dev 0
2
1
0
−1
−2

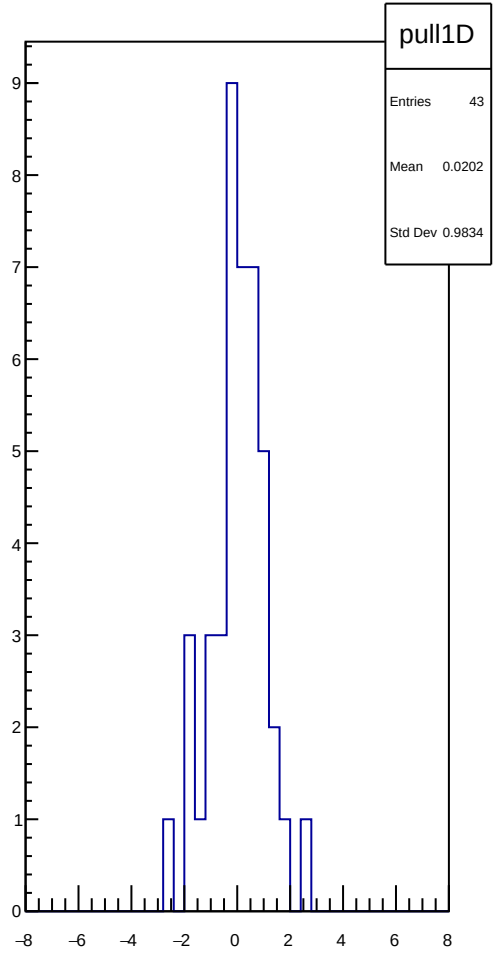

pull1D
Entries 43
Mean 0.01182
Std Dev 1.075
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

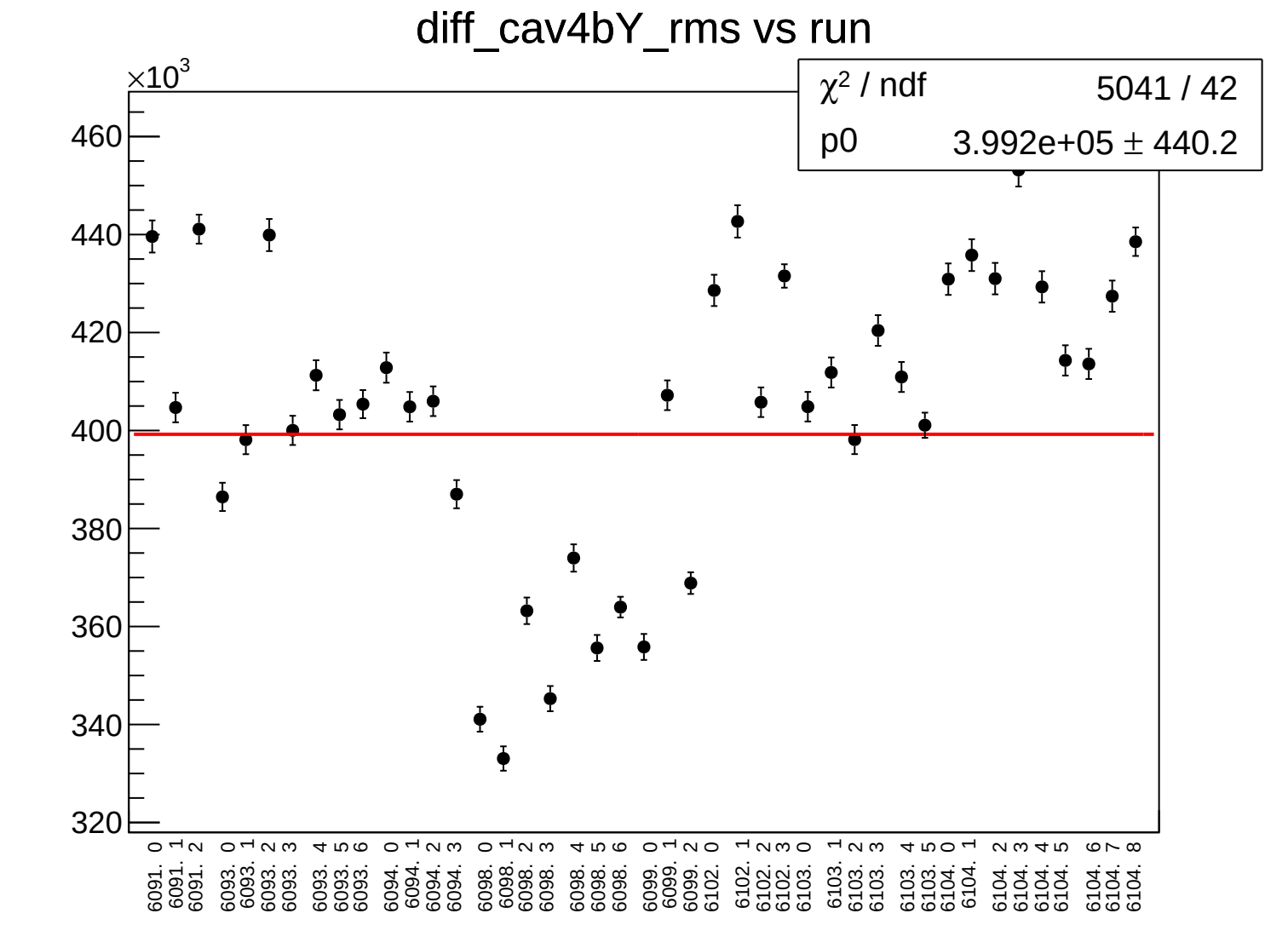

diff_bpm1p03aY_rms vs run
χ² / ndf 1.08e+04 / 42
p0 2260 ± 2.5
2800
2600
2400
2200
2000
1800
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

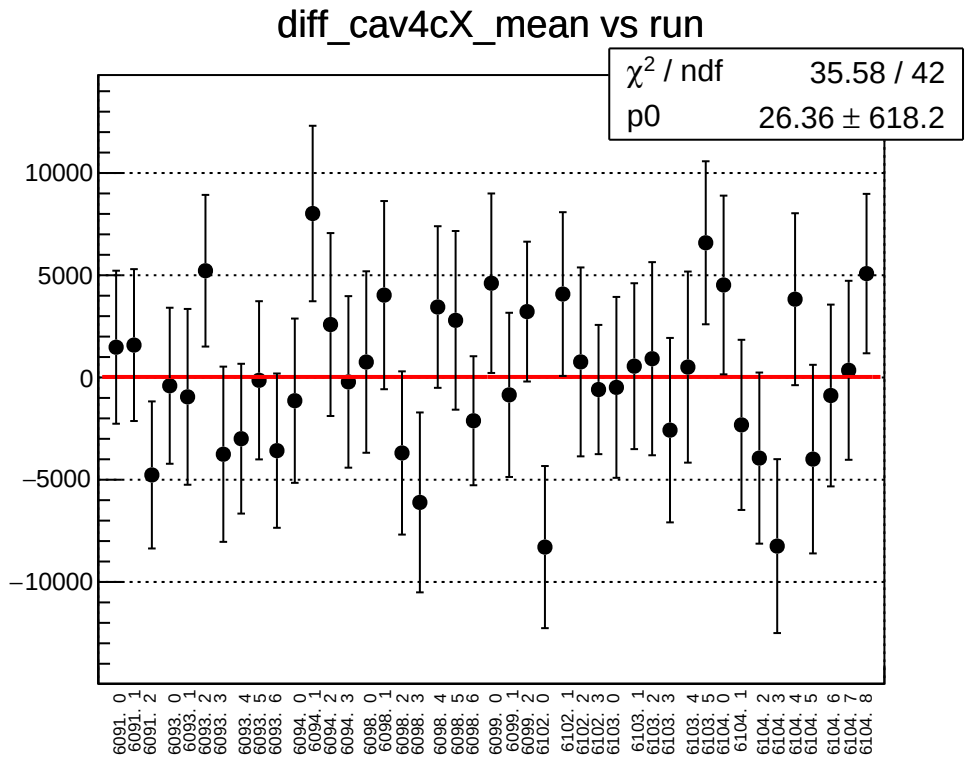

diff_cav4bX_mean vs run
χ² / ndf 35.68 / 42
p0 73.88 ± 1363
30000
20000
10000
0
−10000
−20000
−30000
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 103.9
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 43
Mean 0.003719
Std Dev 0.9108
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

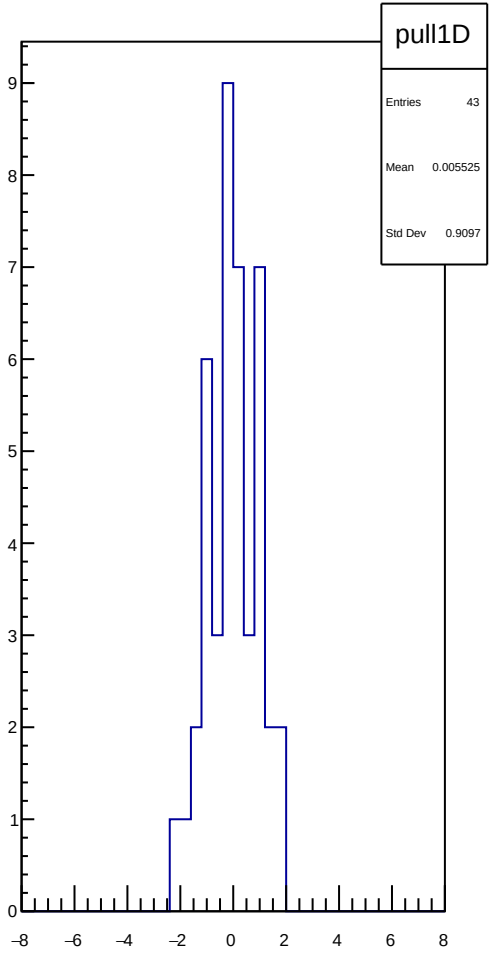

diff_cav4bX_rms vs run
×10^3
χ² / ndf 4594 / 42
p0 8.745e+05 ± 963.9
1000
950
900
850
800
750
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

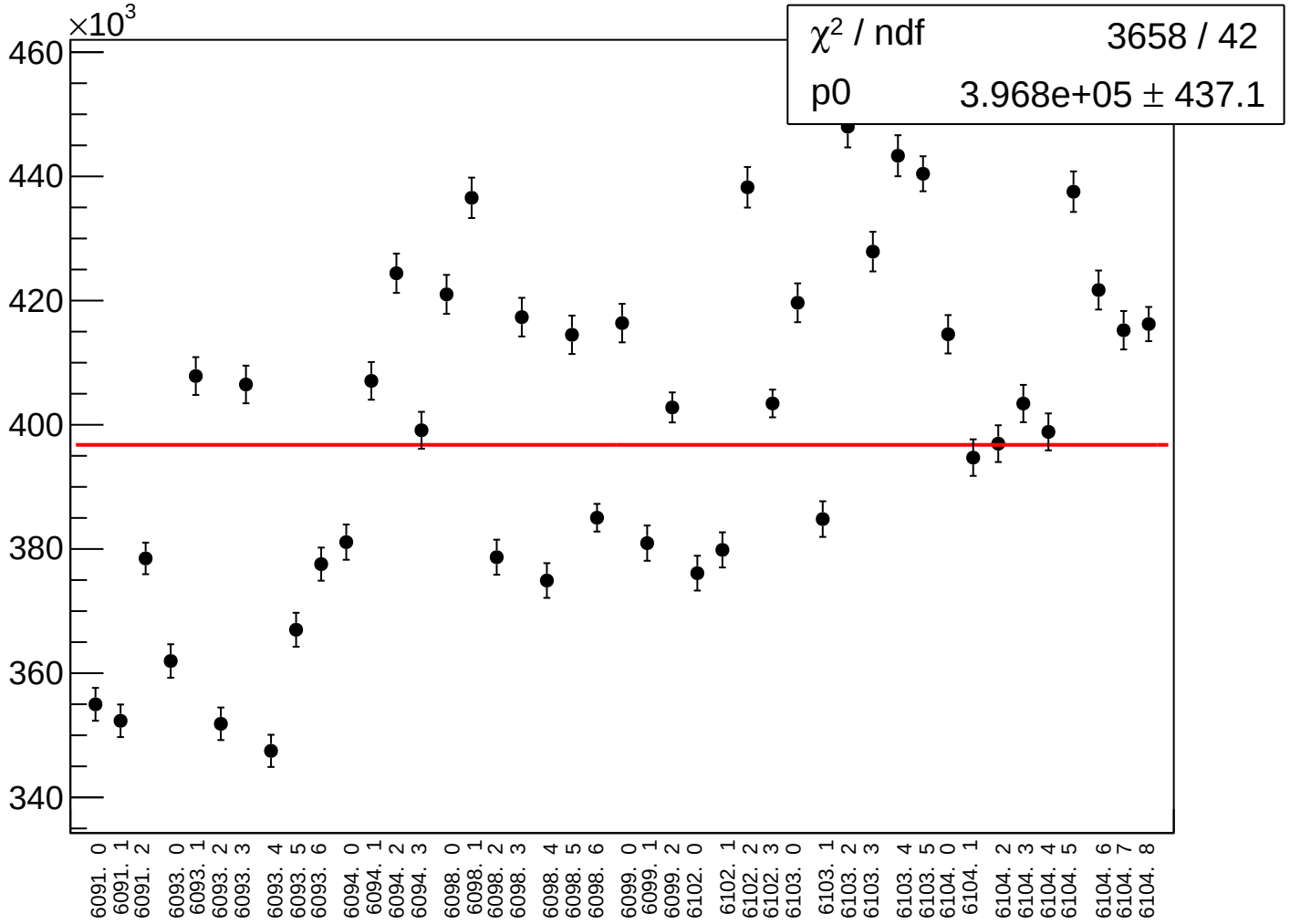

diff_cav4bY_mean vs run
χ² / ndf 41.6 / 42
p0 94.28 ± 622.5
15000
10000
5000
0
−5000
−10000
−15000
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean −43.48
Std Dev 0
2
1
0
−1
−2

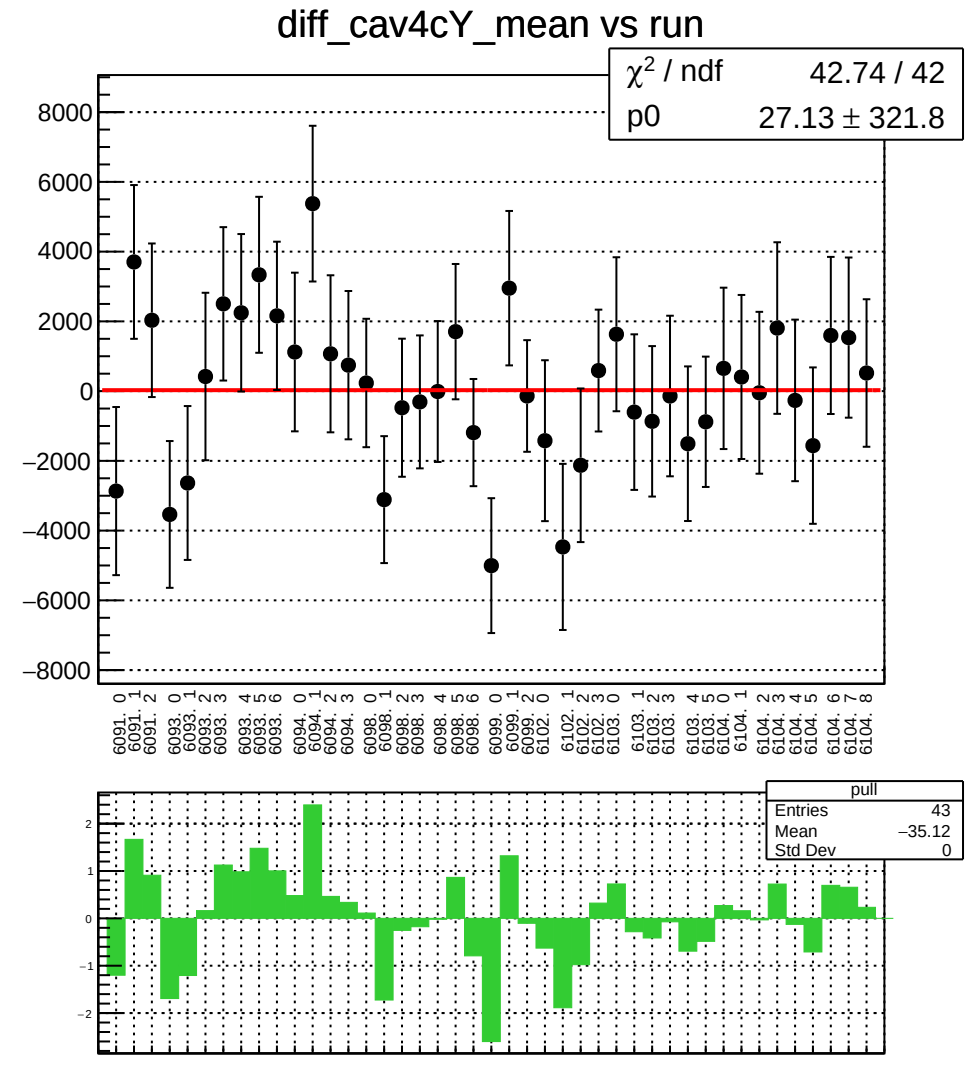

pull1D
Entries 43
Mean 0.0202
Std Dev 0.9834
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

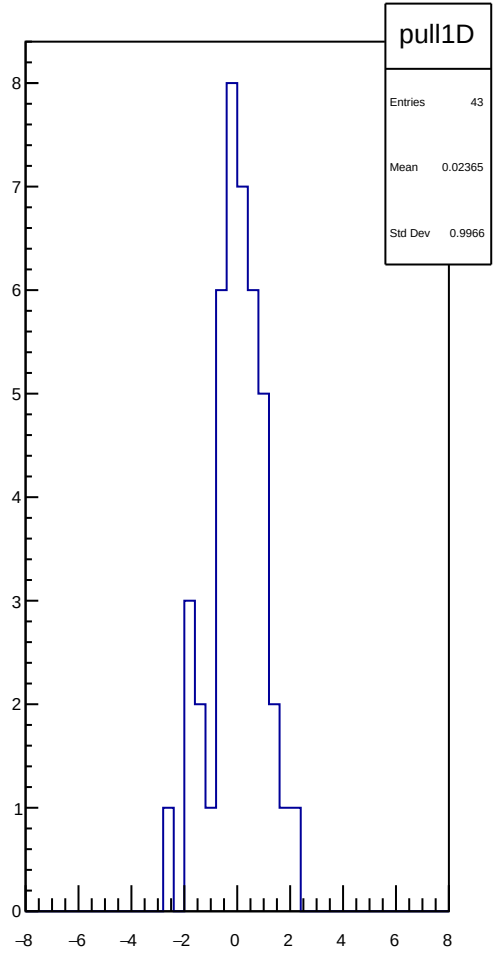

diff_cav4bY_rms vs run
×10^3
χ² / ndf 5041 / 42
p0 3.992e+05 ± 440.2
460
440
420
400
380
360
340
320
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

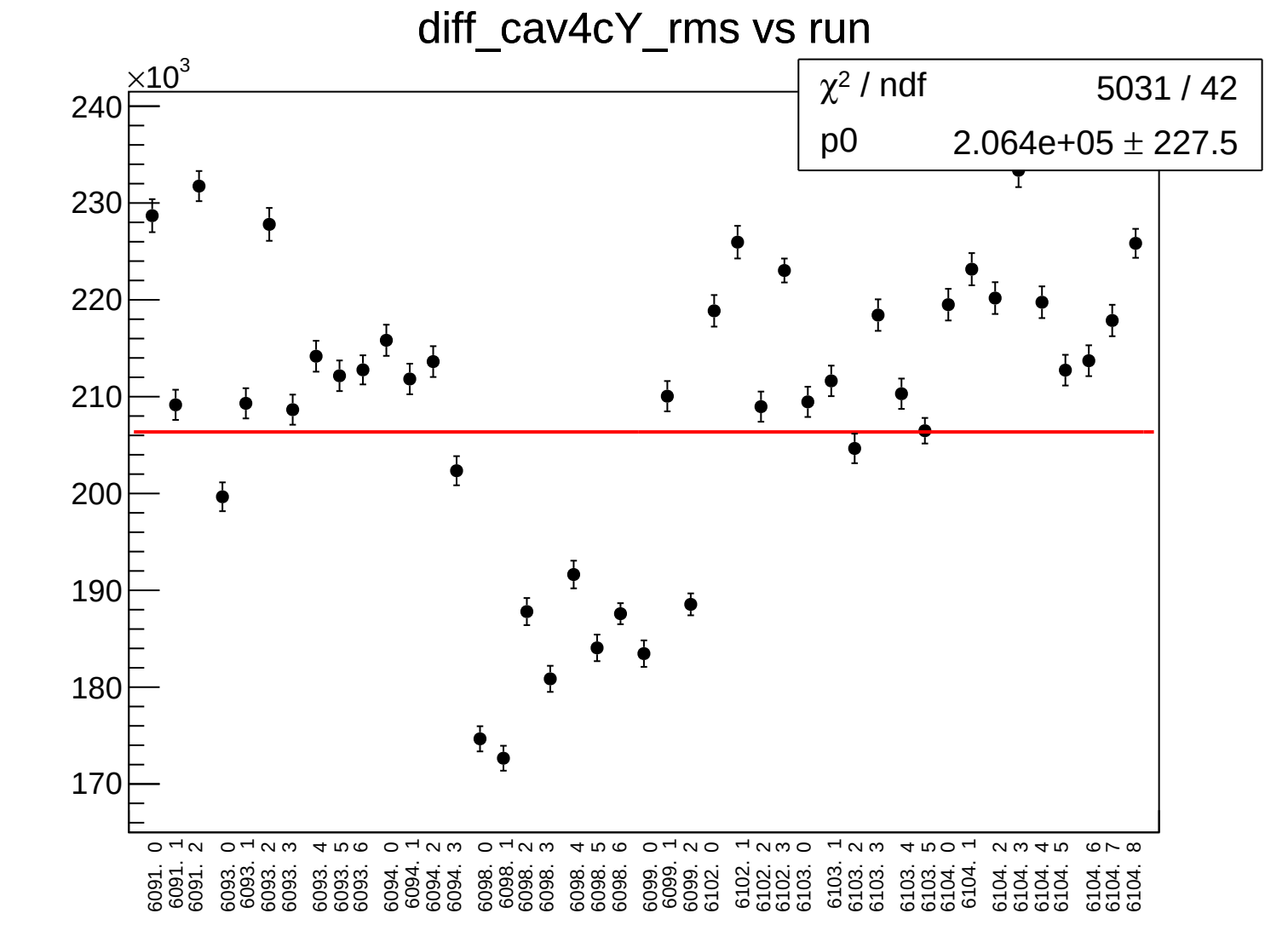

diff_cav4cX_mean vs run
χ² / ndf 35.58 / 42
p0 26.36 ± 618.2
10000
5000
0
−5000
−10000
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 64.92
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

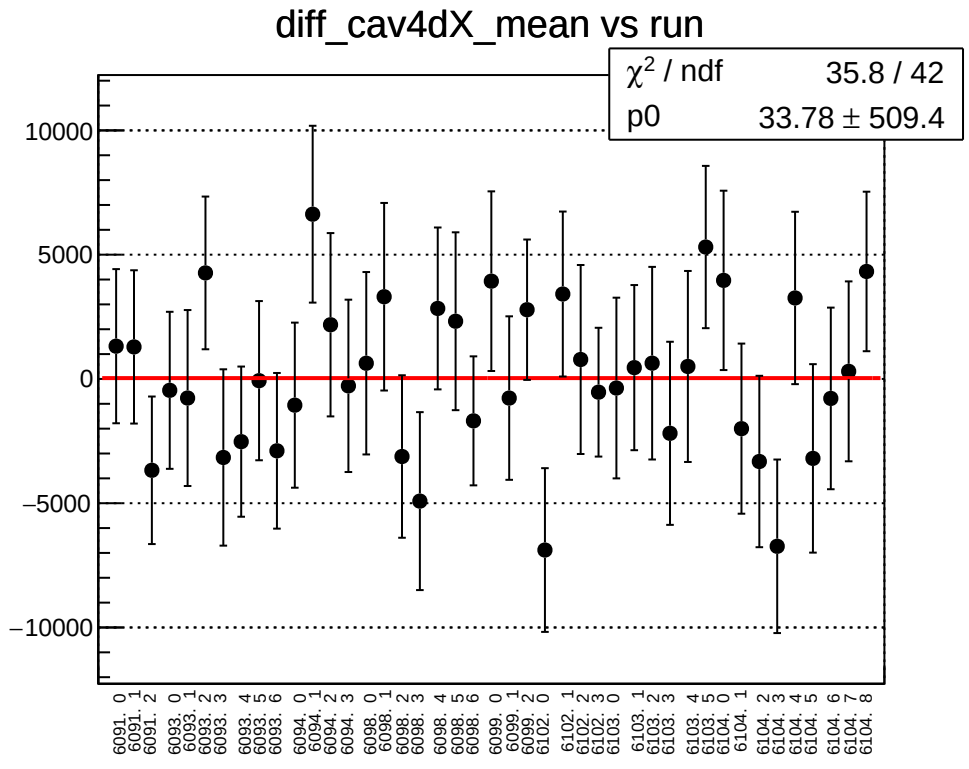

pull1D
Entries 43
Mean 0.005525
Std Dev 0.9097
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

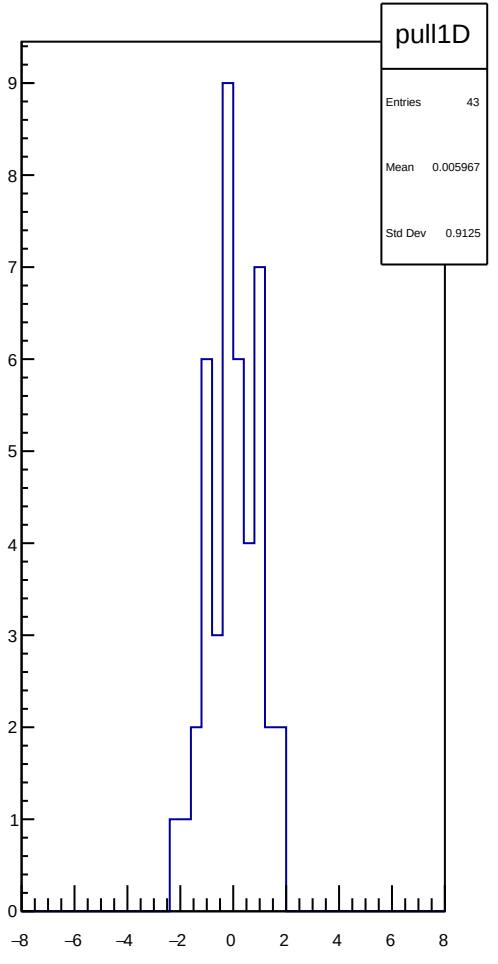

diff_cav4cX_rms vs run
×10^3
460
440
420
400
380
360
340
χ² / ndf 3658 / 42
p0 3.968e+05 ± 437.1
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

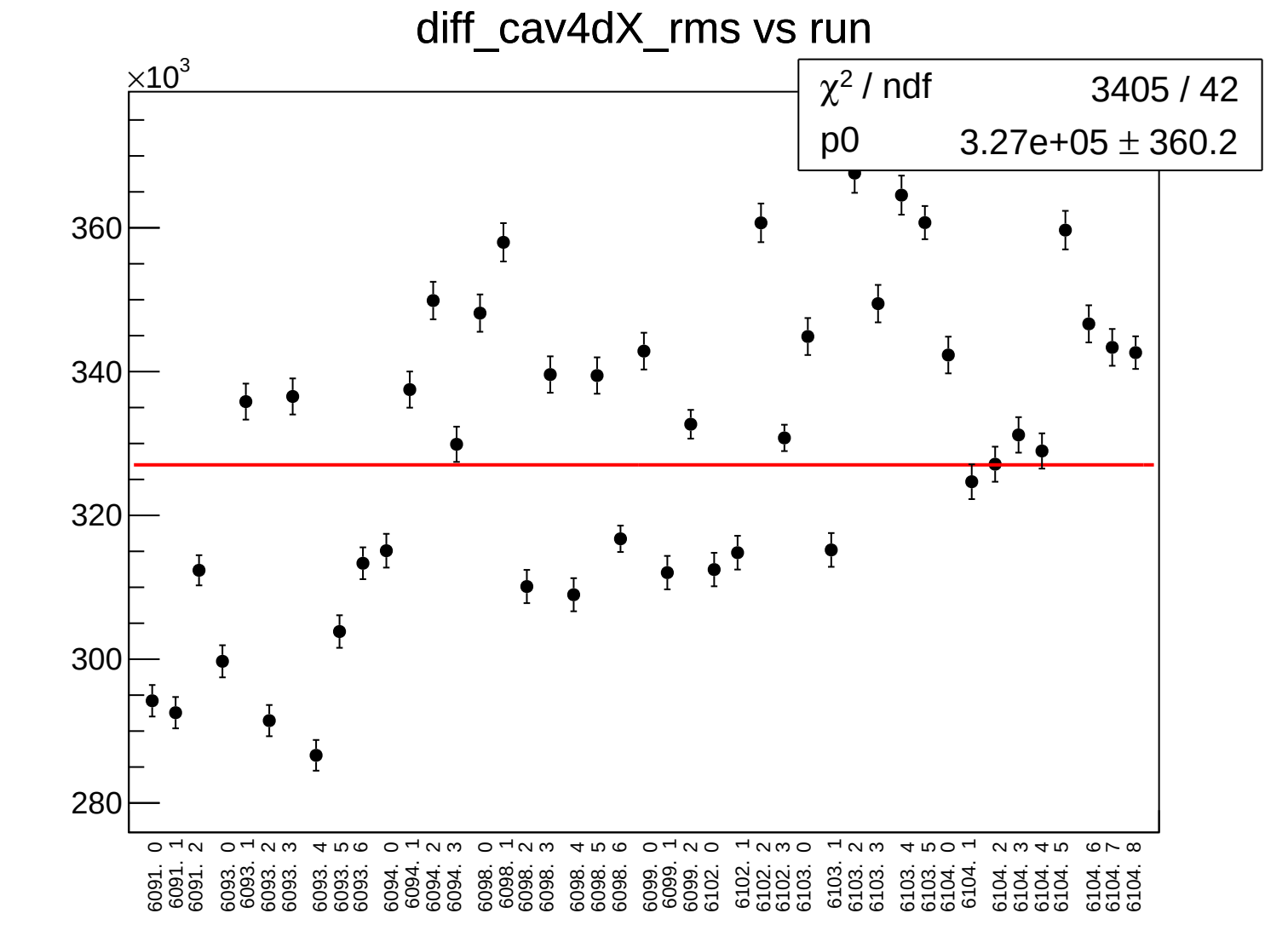

diff_cav4cY_mean vs run
χ² / ndf 42.74 / 42
p0 27.13 ± 321.8
8000
6000
4000
2000
0
−2000
−4000
−6000
−8000
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean −35.12
Std Dev 0
2
1
0
−1
−2

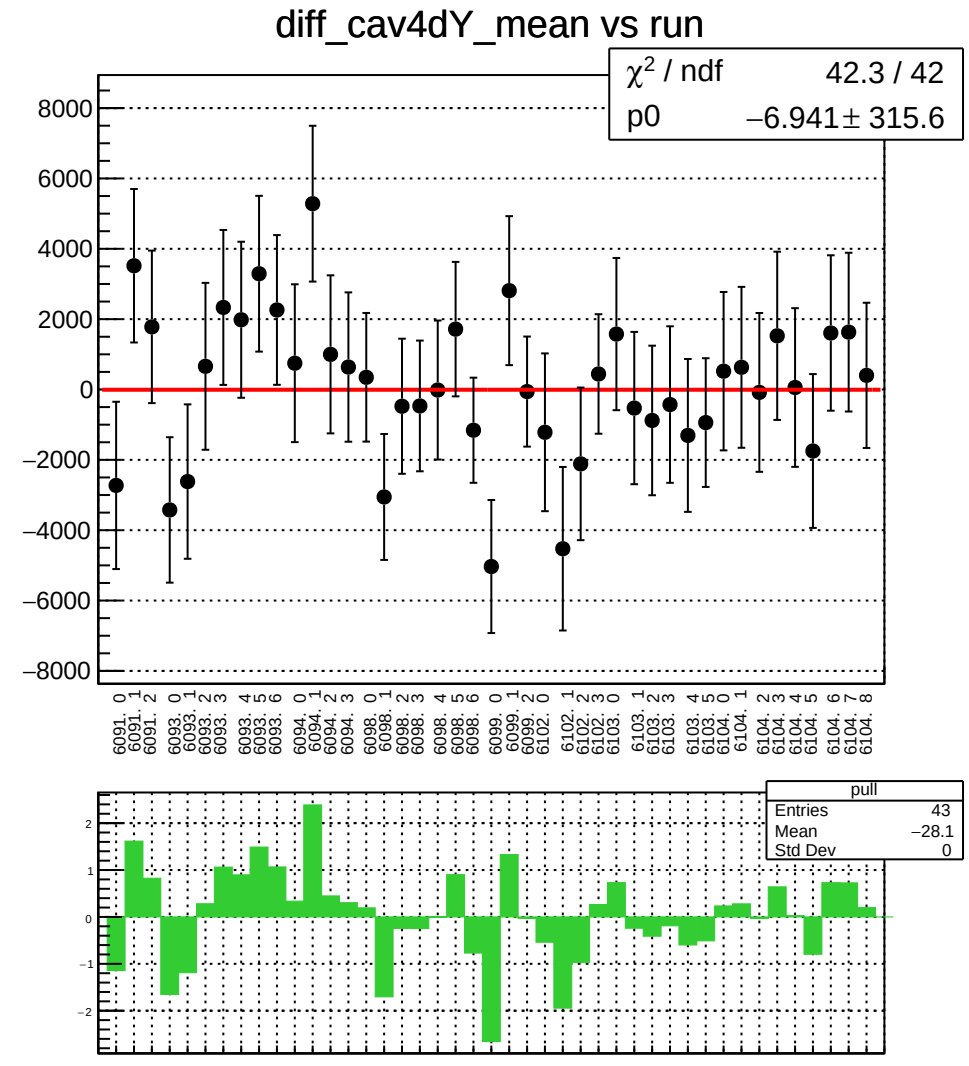

pull1D
Entries 43
Mean 0.02365
Std Dev 0.9966
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

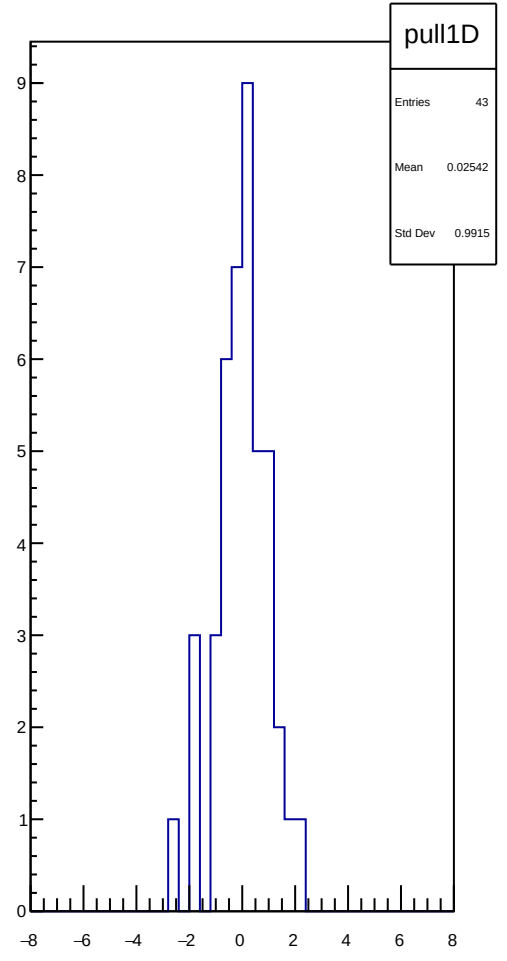

diff_cav4cY_rms vs run
×10^3
240
230
220
210
200
190
180
170
χ² / ndf 5031 / 42
p0 2.064e+05 ± 227.5
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

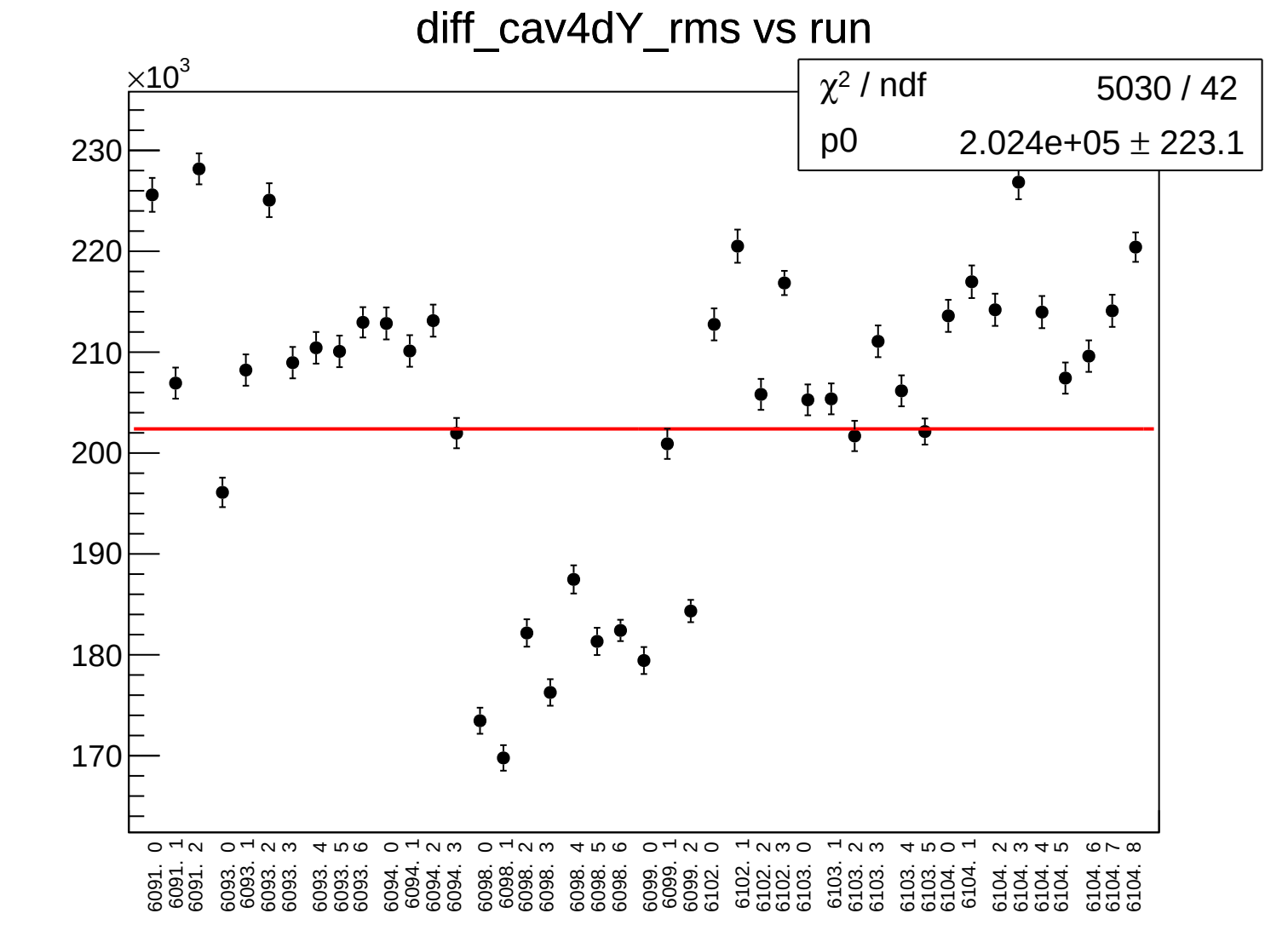

diff_cav4dX_mean vs run
χ^2 / ndf 35.8 / 42
p0 33.78 ± 509.4
10000
5000
0
−5000
−10000
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 65.87
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

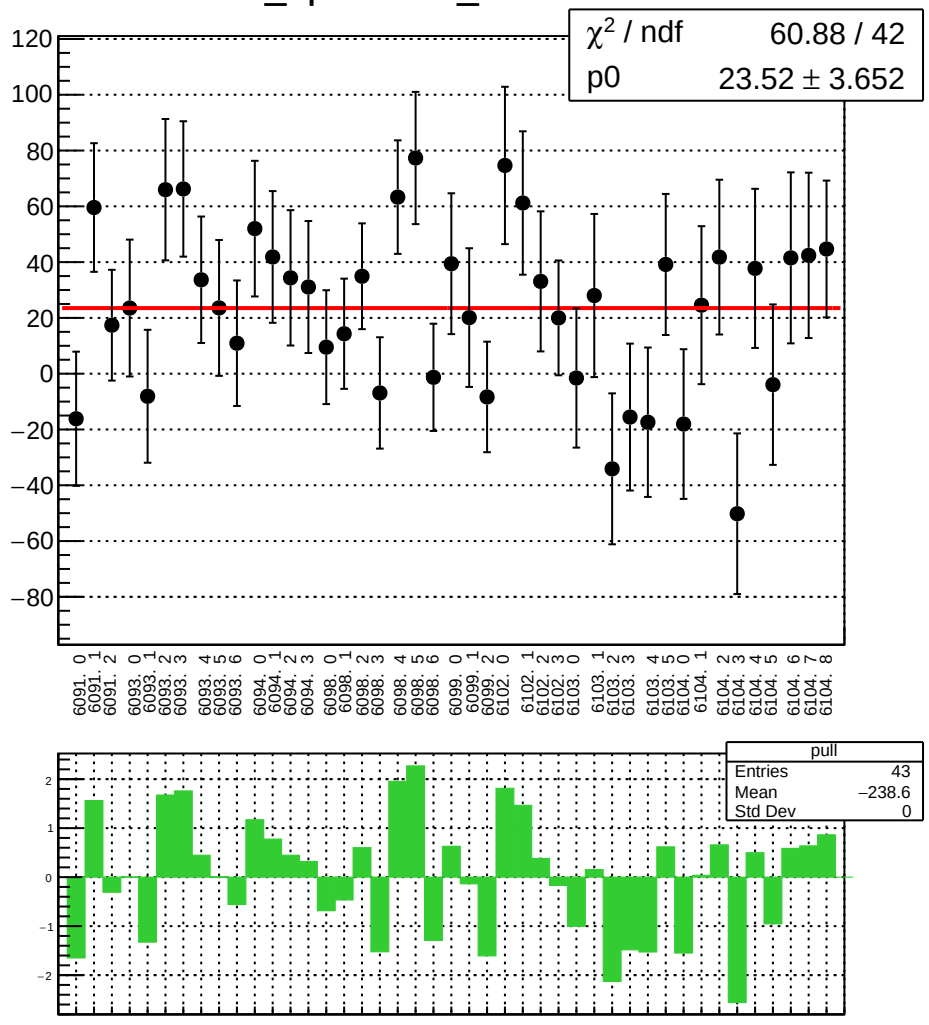

pull1D
Entries 43
Mean 0.005967
Std Dev 0.9125
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

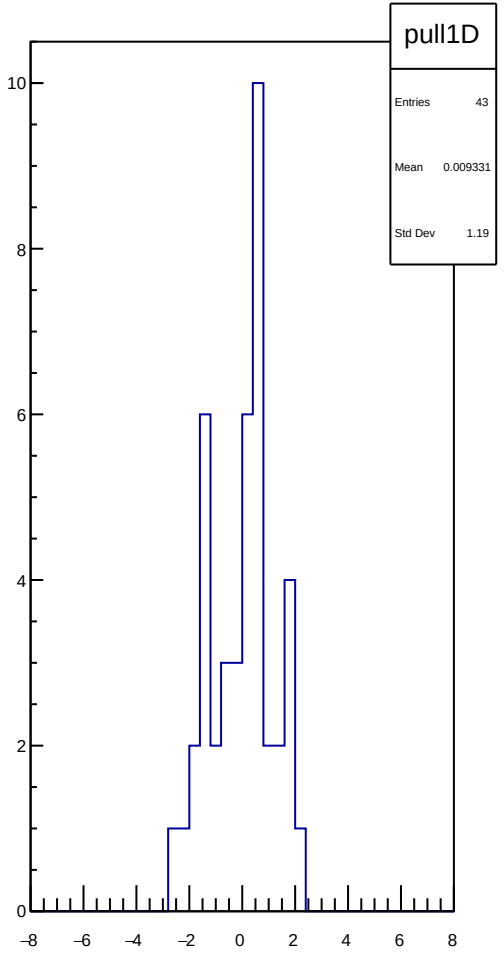

diff_cav4dX_rms vs run
×10^3
χ² / ndf 3405 / 42
p0 3.27e+05 ± 360.2
360
340
320
300
280
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

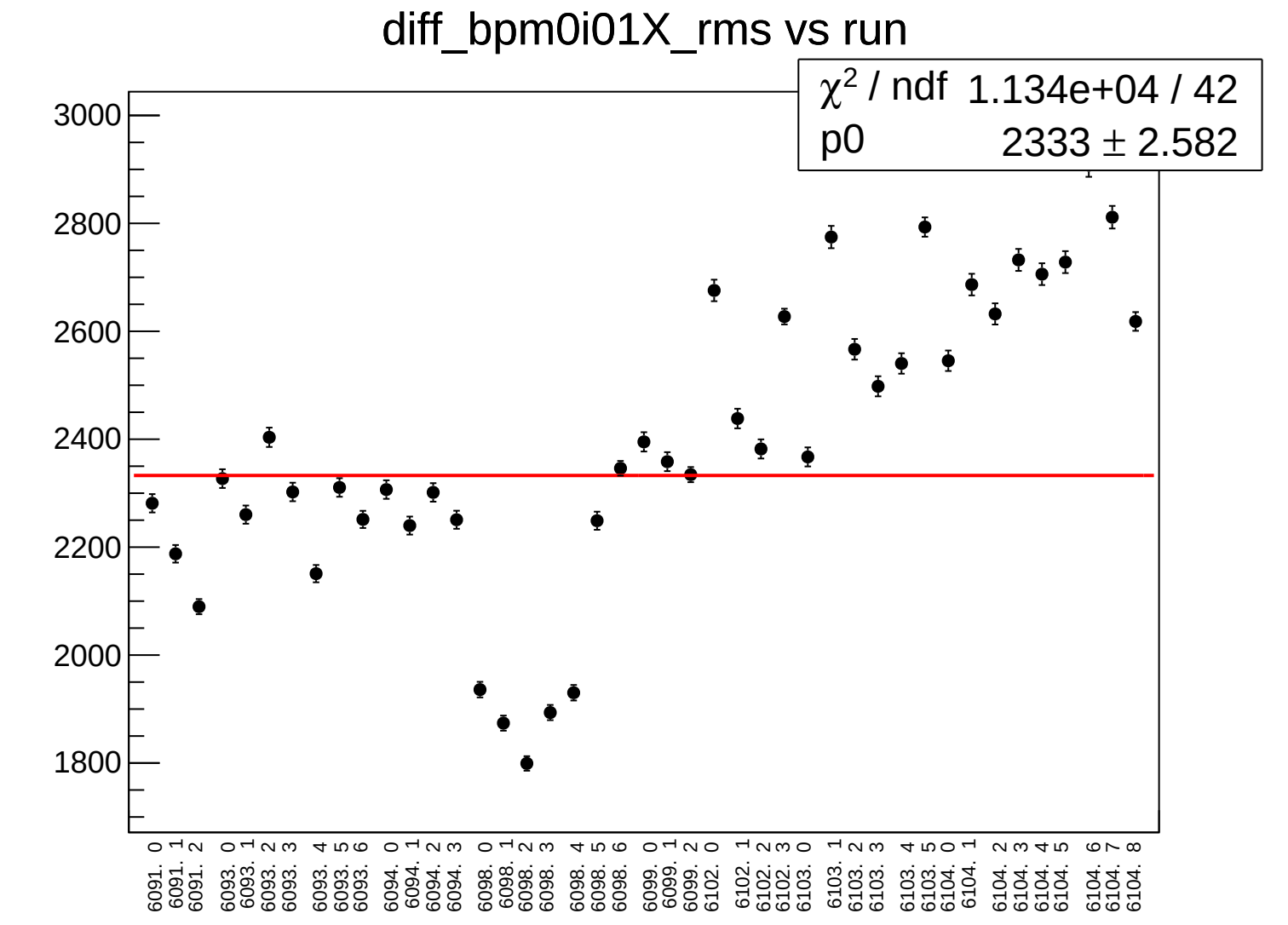

diff_cav4dY_mean vs run
χ² / ndf 42.3 / 42
p0 −6.941 ± 315.6
8000
6000
4000
2000
0
−2000
−4000
−6000
−8000
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean −28.1
Std Dev 0
2
1
0
−1
−2

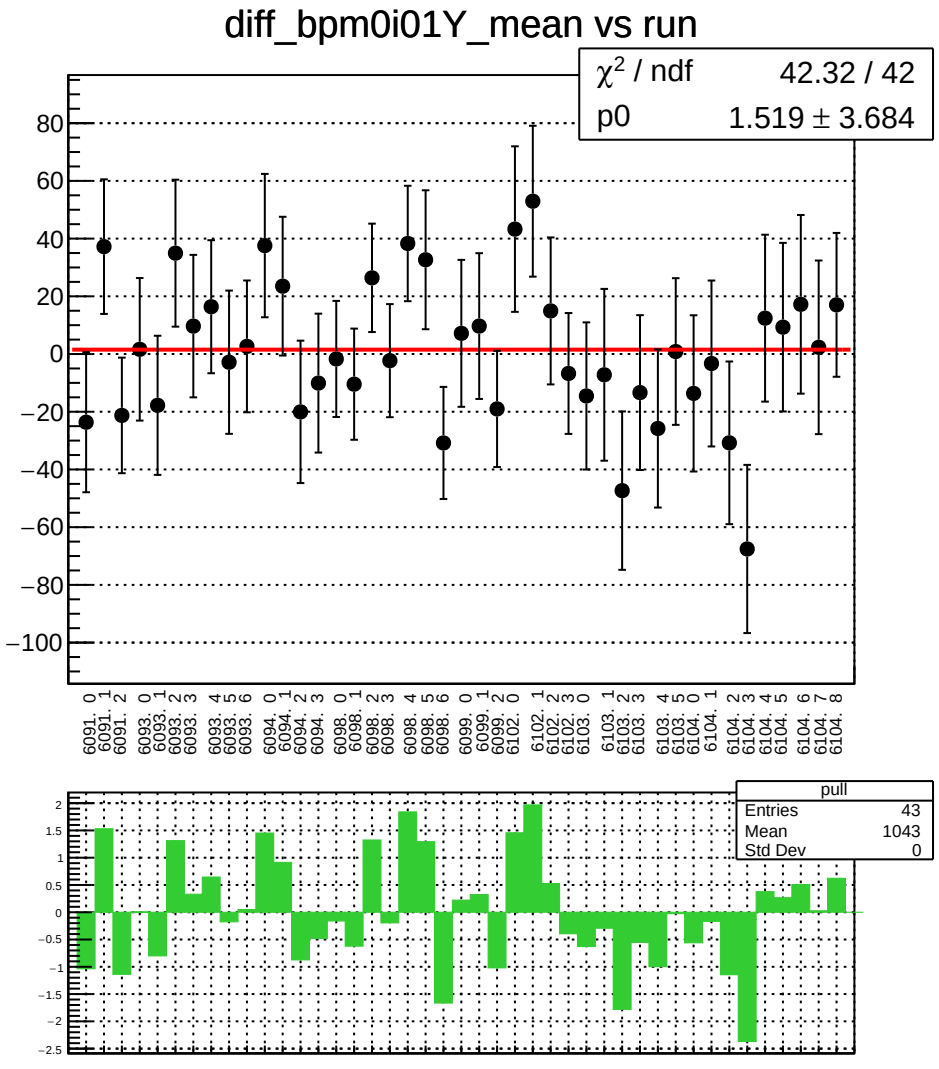

pull1D
Entries 43
Mean 0.02542
Std Dev 0.9915
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

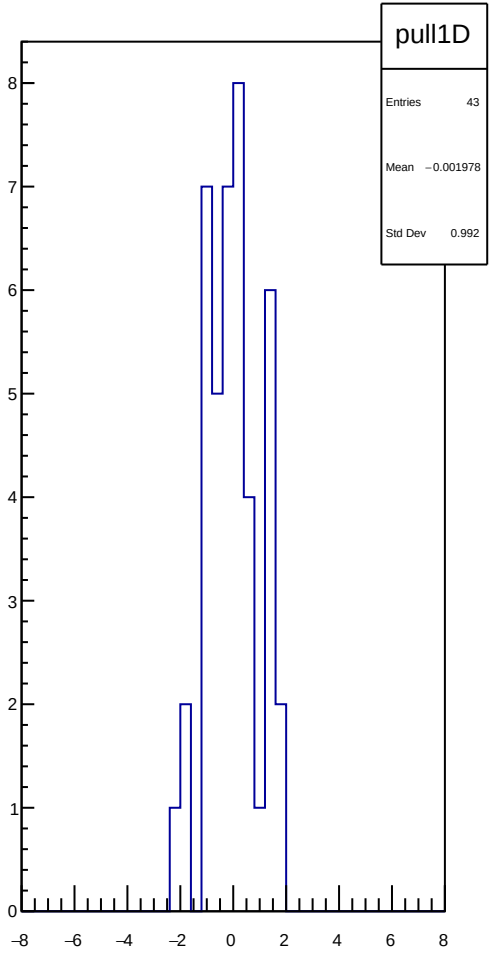

diff_cav4dY_rms vs run
×10^3
χ² / ndf 5030 / 42
p0 2.024e+05 ± 223.1
230
220
210
200
190
180
170
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

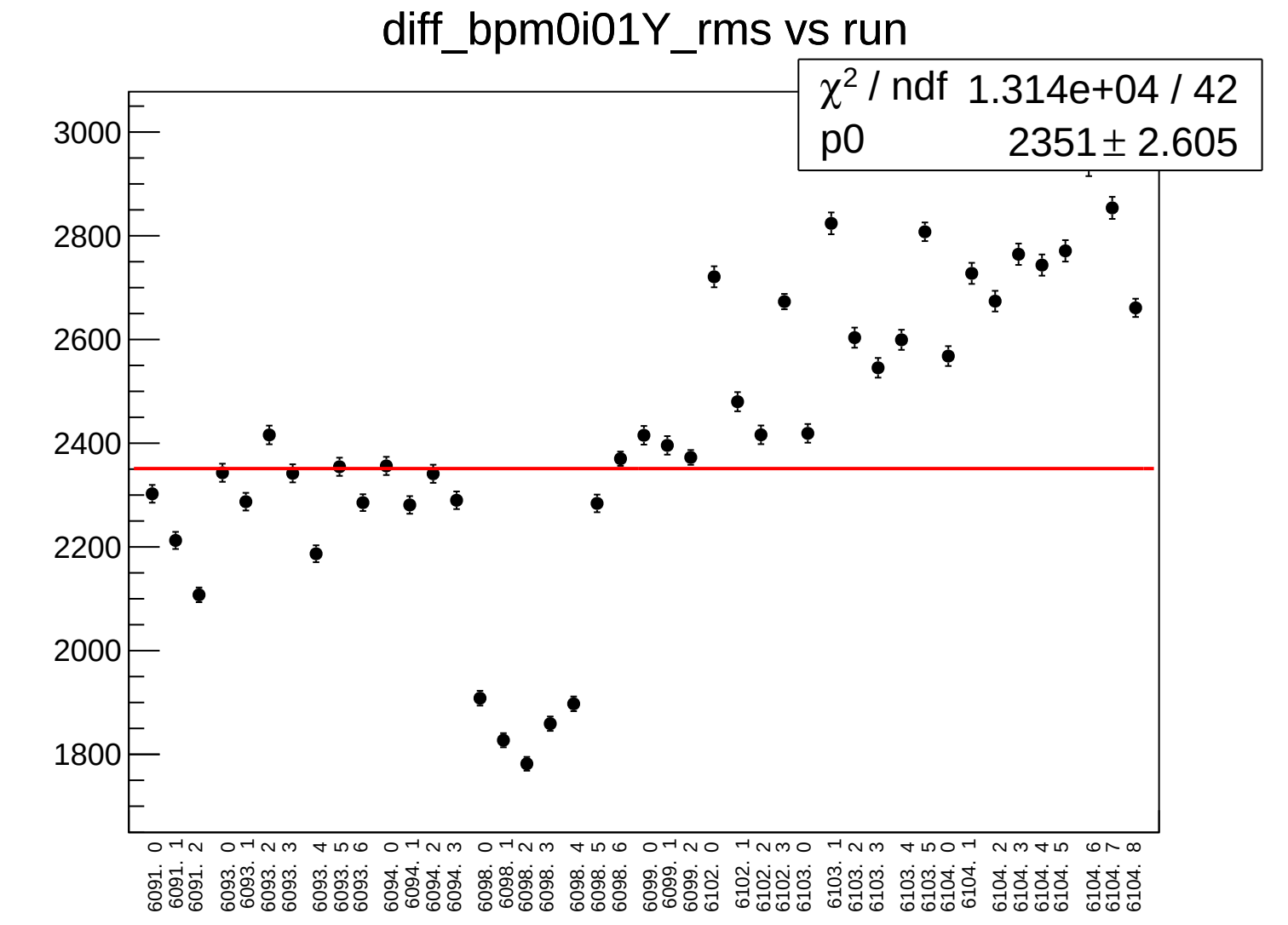

diff_bpm0i01X_mean vs run
χ² / ndf 60.88 / 42
p0 23.52 ± 3.652
pull
Entries 43
Mean −238.6
Std Dev 0

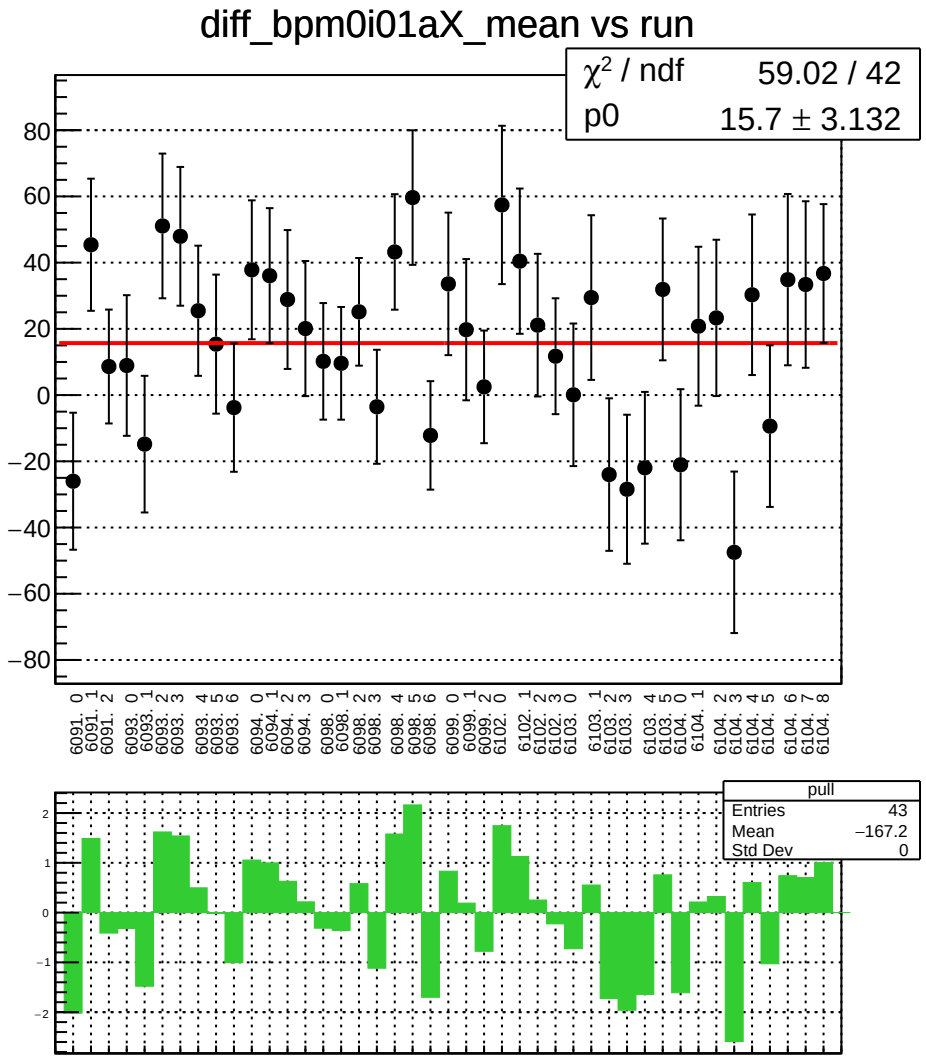

pull1D
Entries 43
Mean 0.009331
Std Dev 1.19

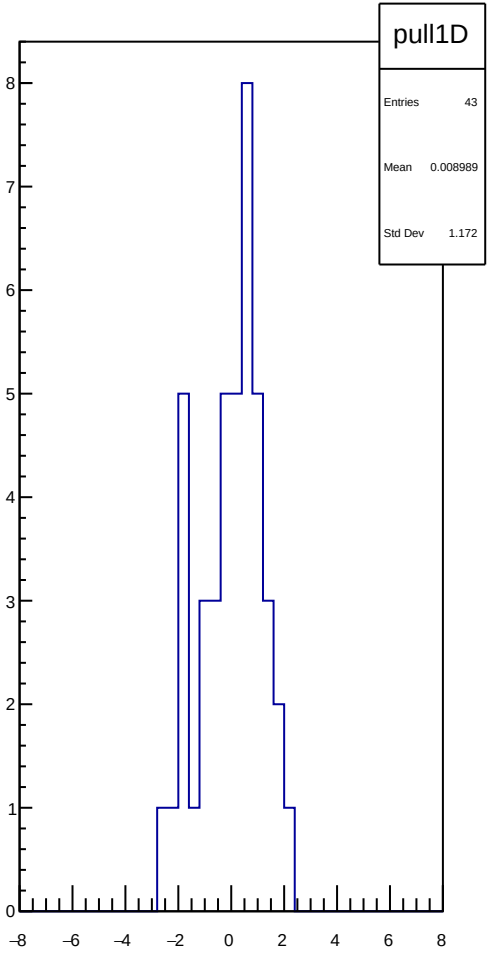

diff_bpm0i01X_rms vs run
χ² / ndf 1.134e+04 / 42
p0 2333 ± 2.582
3000
2800
2600
2400
2200
2000
1800
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

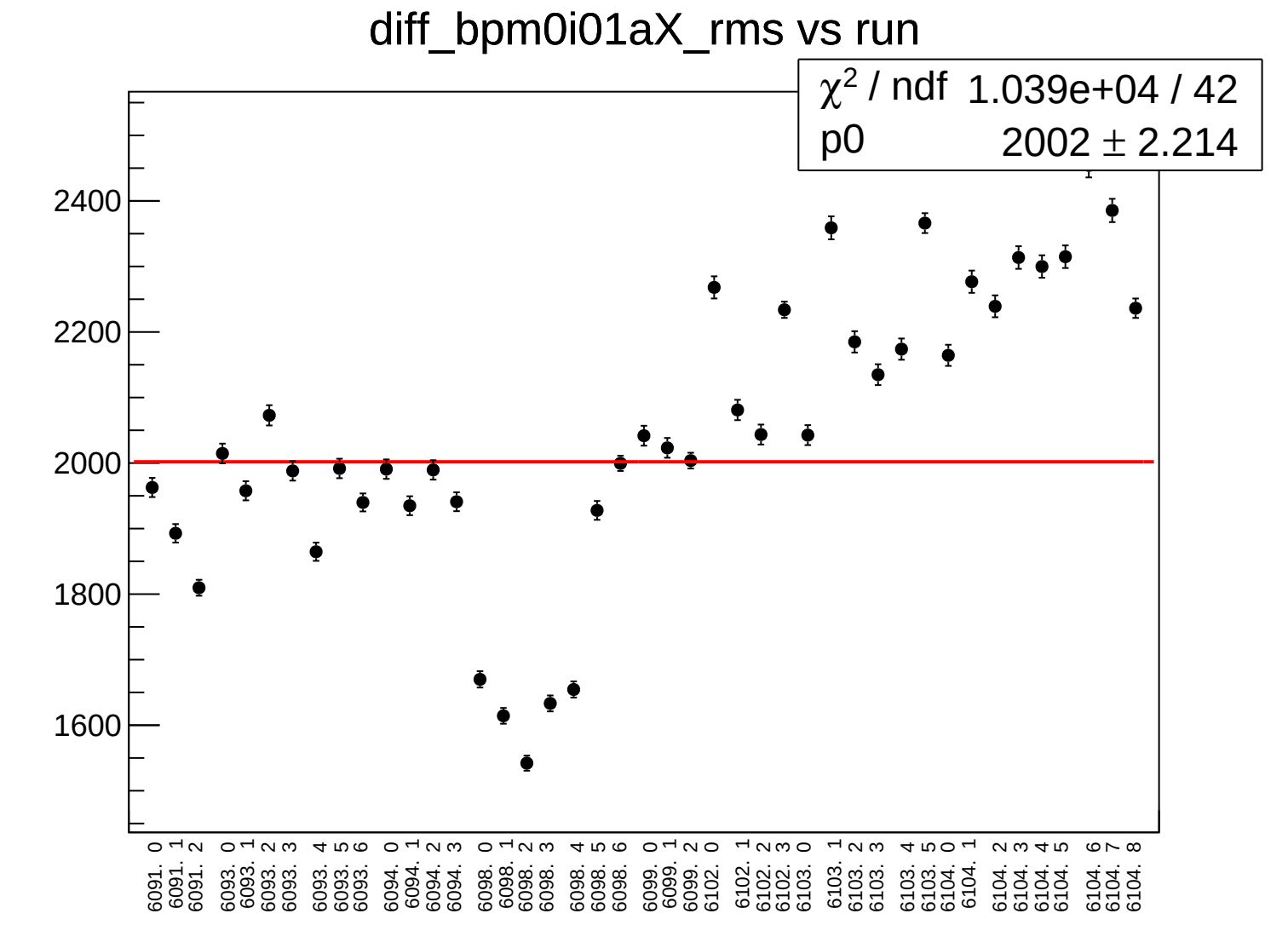

diff_bpm0i01Y_mean vs run
χ² / ndf 42.32 / 42
p0 1.519 ± 3.684
pull
Entries 43
Mean 1043
Std Dev 0

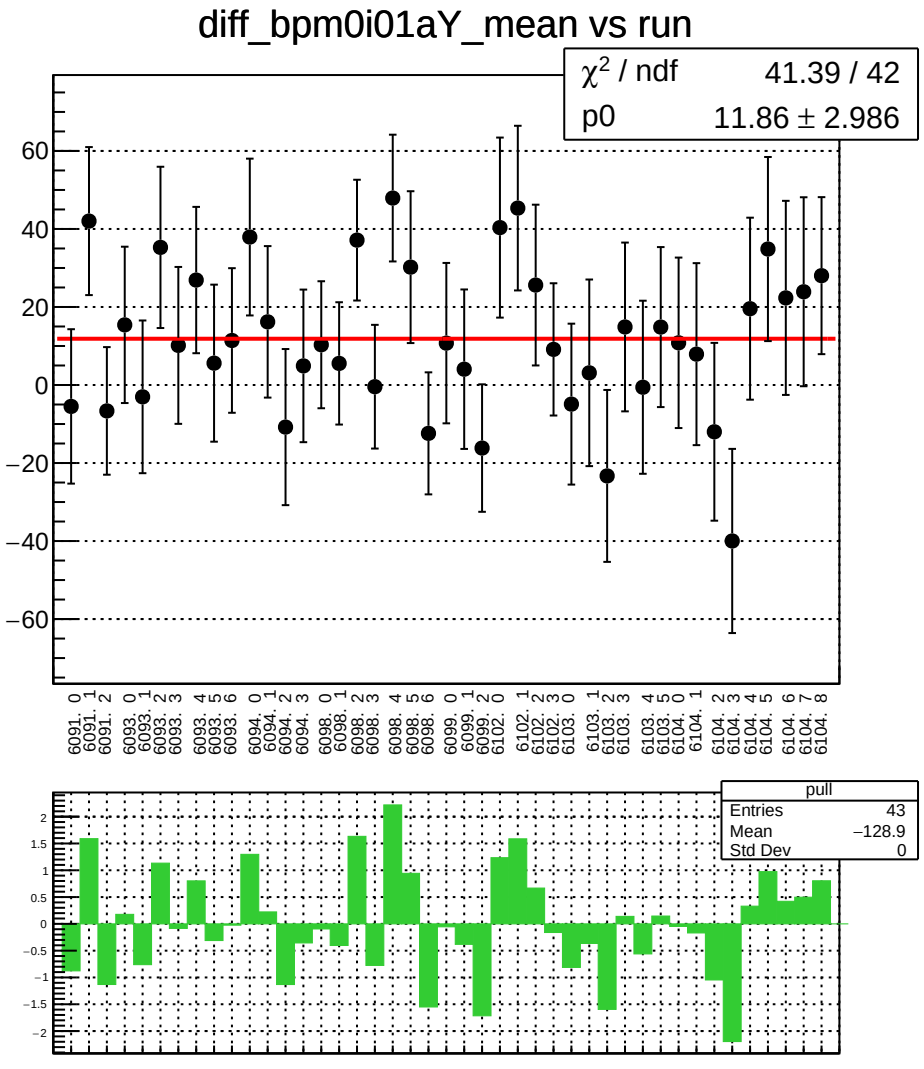

pull1D
Entries 43
Mean −0.001978
Std Dev 0.992

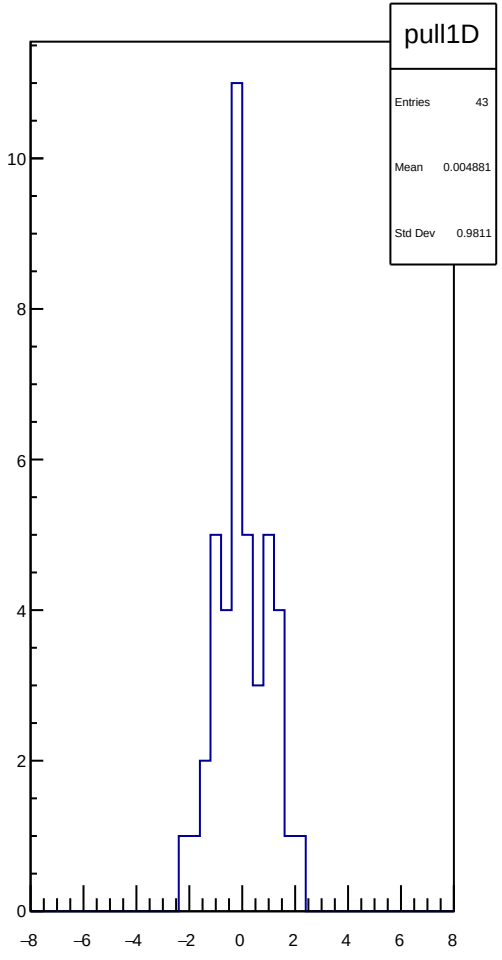

diff_bpm0i01Y_rms vs run
χ² / ndf 1.314e+04 / 42
p0 2351 ± 2.605
3000
2800
2600
2400
2200
2000
1800
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

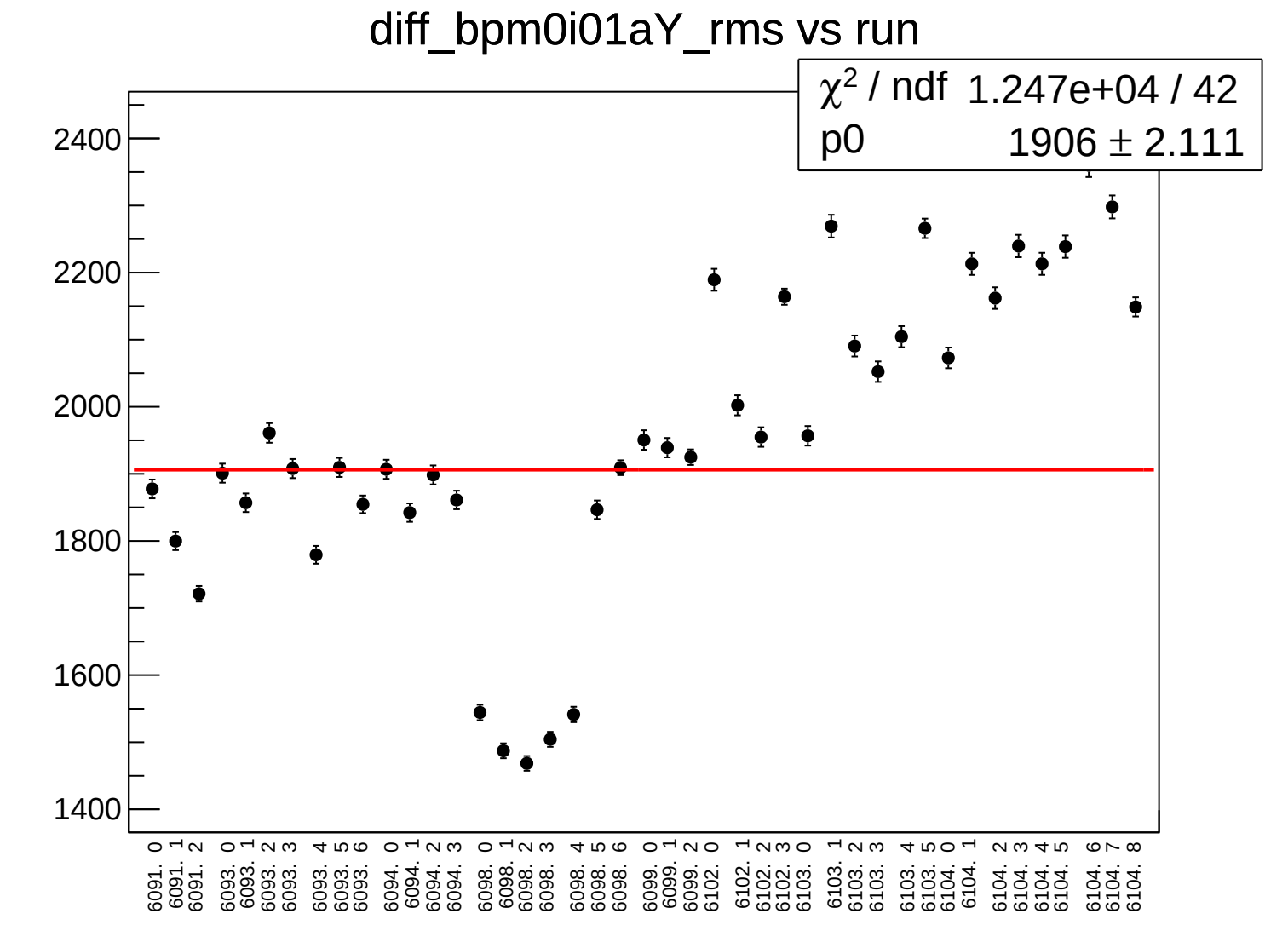

diff_bpm0i01aX_mean vs run
χ² / ndf 59.02 / 42
p0 15.7 ± 3.132
pull
Entries 43
Mean −167.2
Std Dev 0

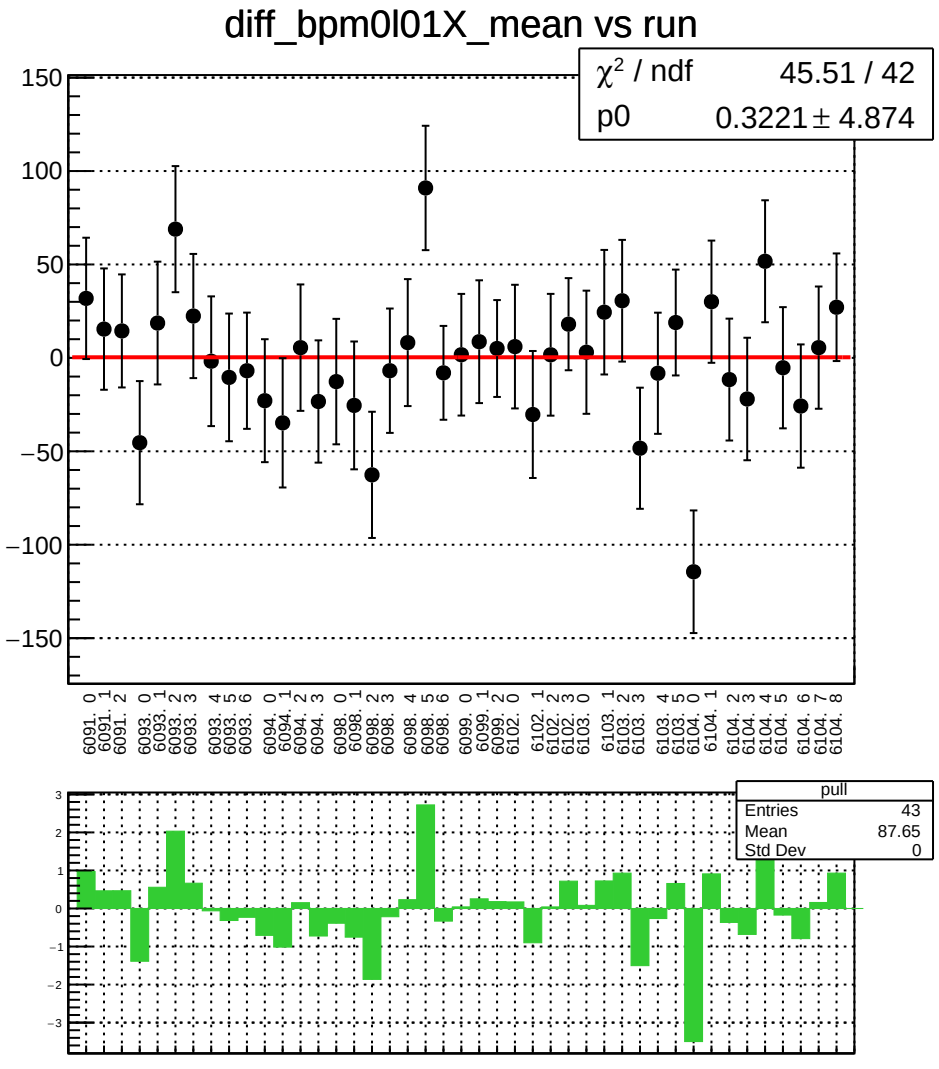

pull1D
Entries 43
Mean 0.008989
Std Dev 1.172

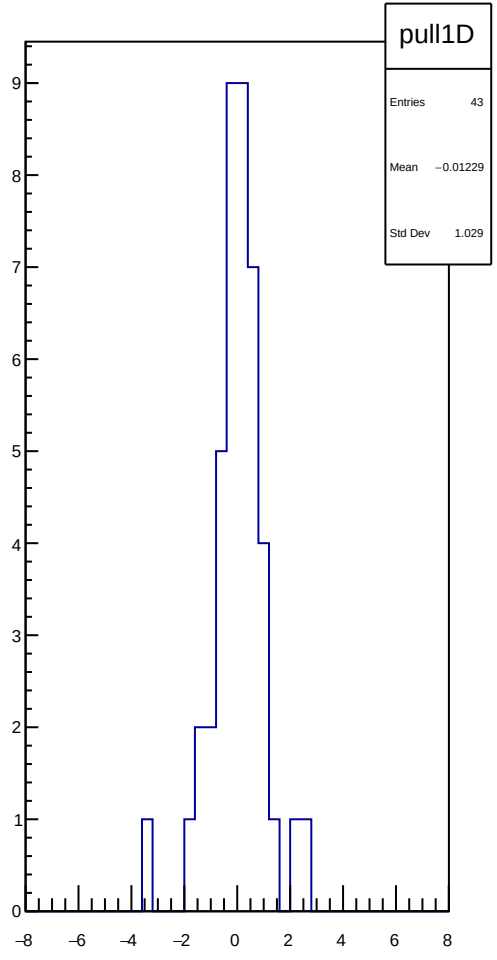

diff_bpm0i01aX_rms vs run
χ² / ndf 1.039e+04 / 42
p0 2002 ± 2.214
2400
2200
2000
1800
1600
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

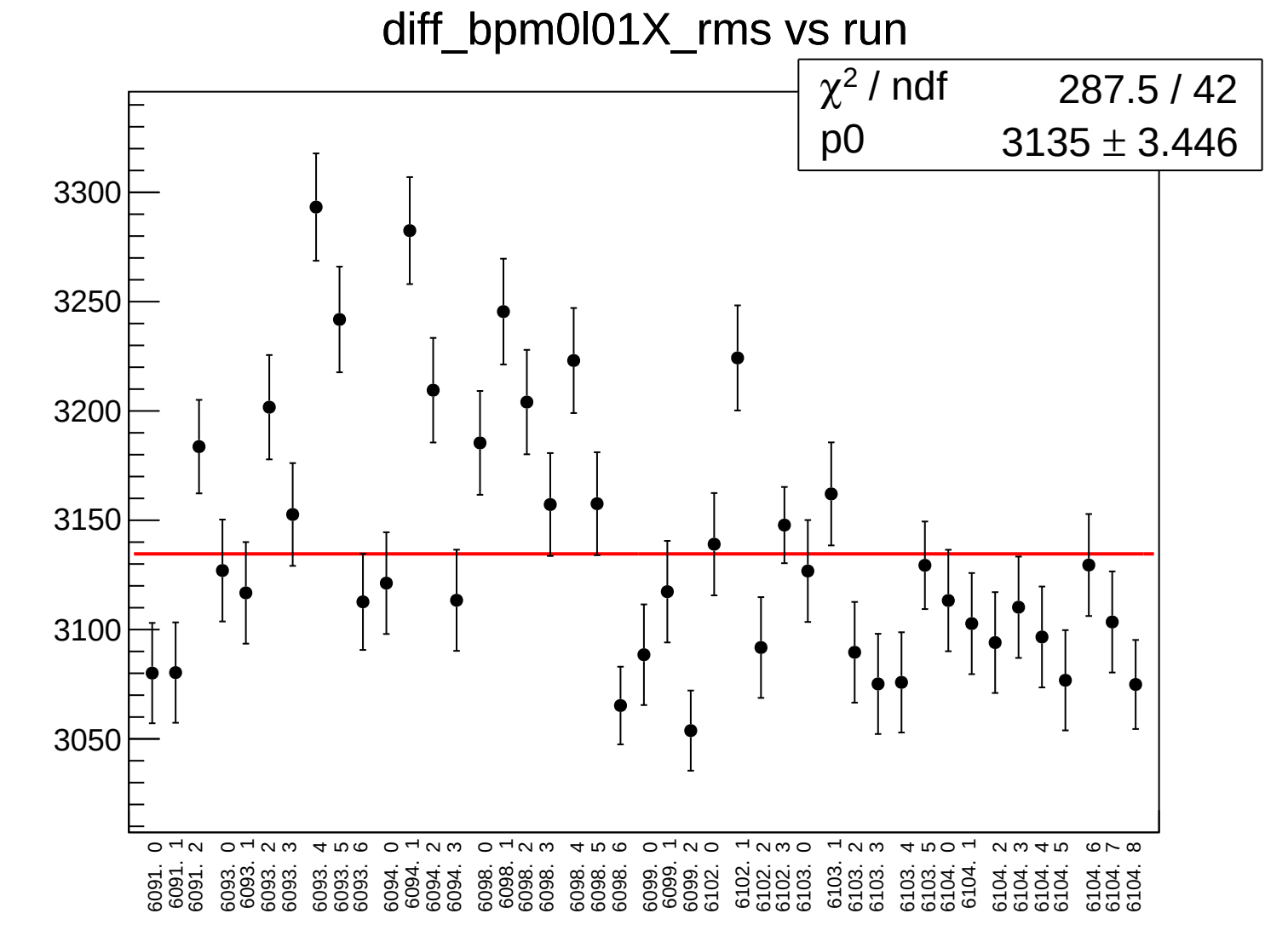

diff_bpm0i01aY_mean vs run
χ^2 / ndf 41.39 / 42
p0 11.86 ± 2.986
60
40
20
0
−20
−40
−60
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean −128.9
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

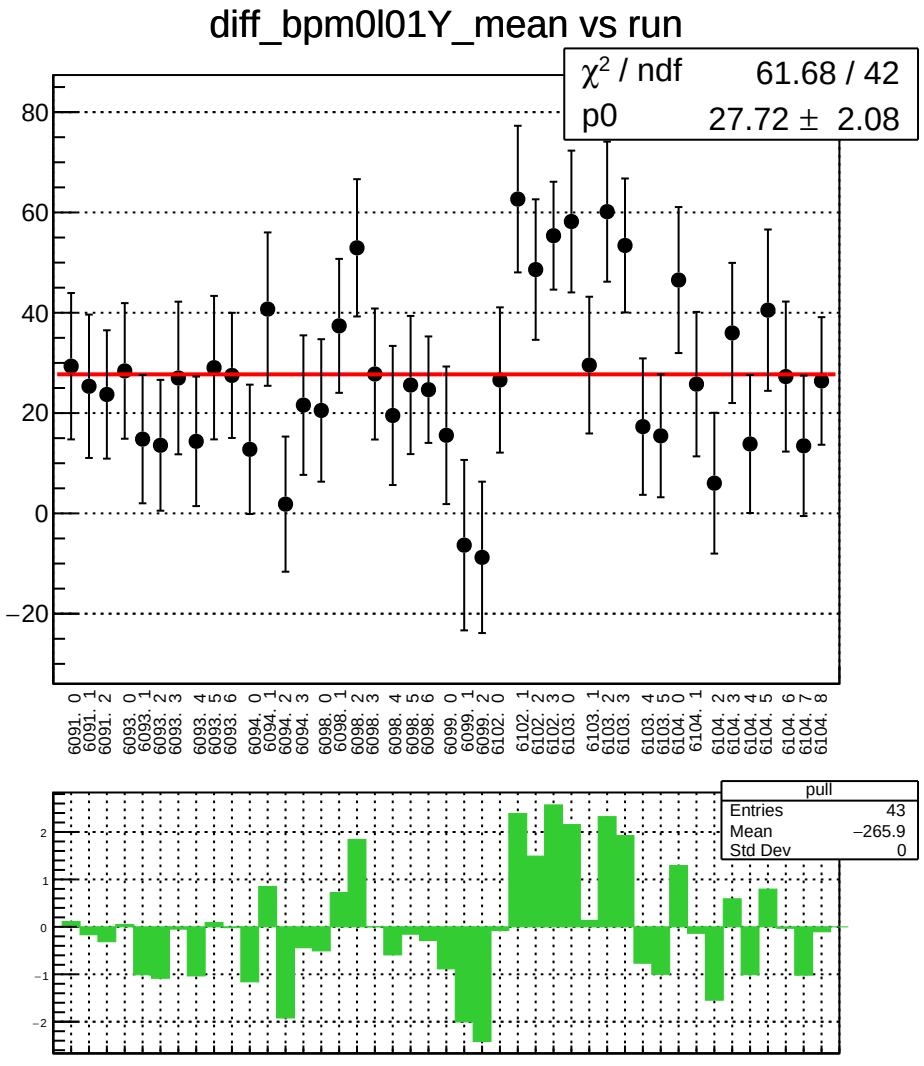

pull1D
Entries 43
Mean 0.004881
Std Dev 0.9811
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

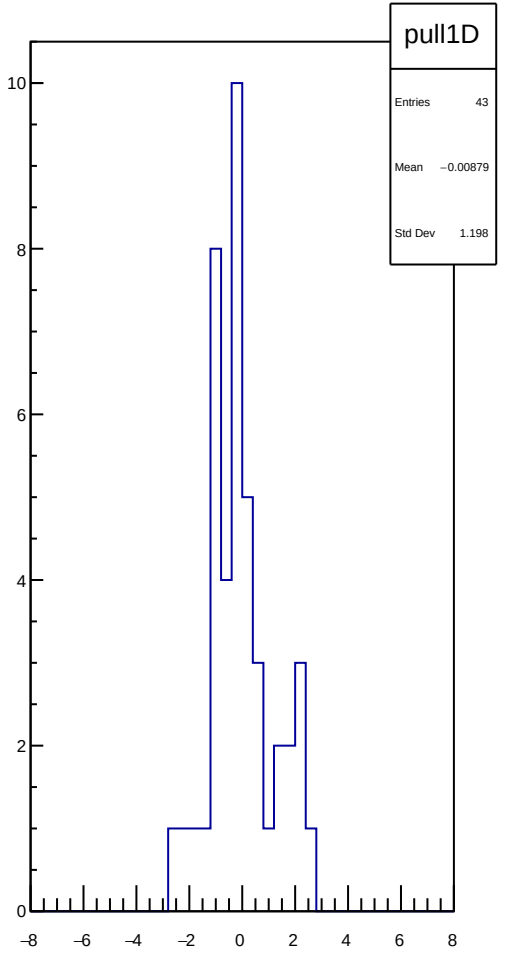

diff_bpm0i01aY_rms vs run
χ² / ndf 1.247e+04 / 42
p0 1906 ± 2.111
2400
2200
2000
1800
1600
1400
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

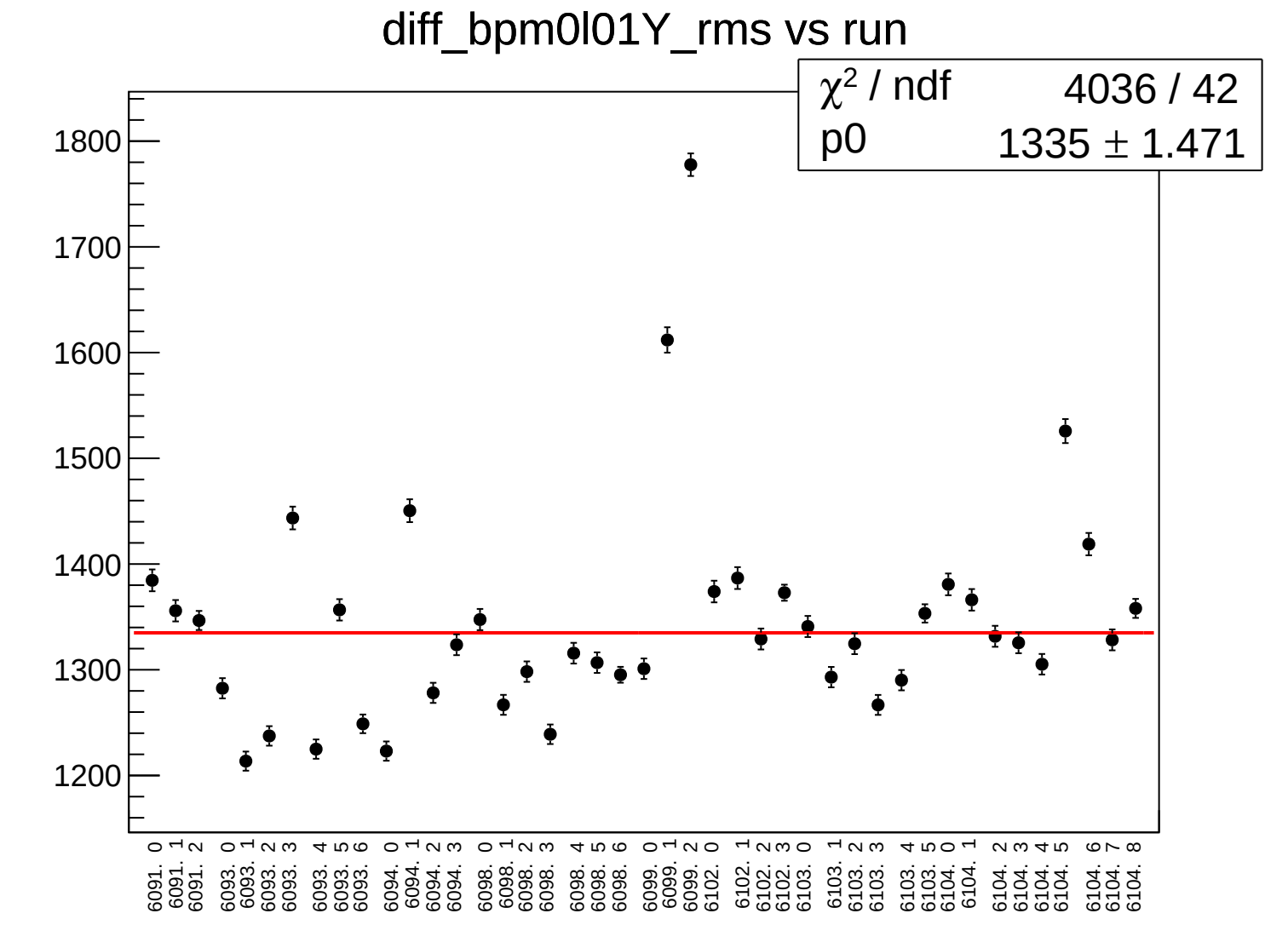

diff_bpm0l01X_mean vs run
χ² / ndf 45.51 / 42
p0 0.3221 ± 4.874
150
100
50
0
−50
−100
−150
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 87.65
Std Dev 0
3
2
1
0
−1
−2
−3

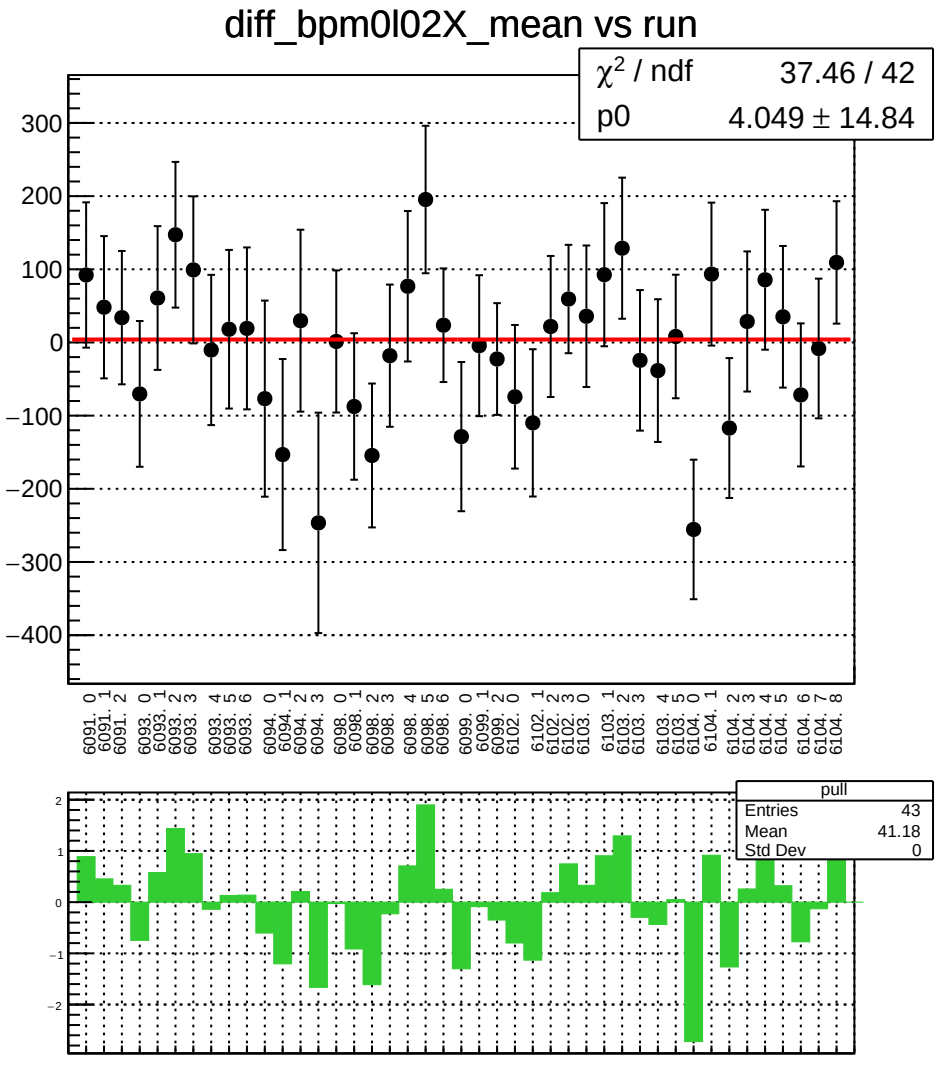

pull1D
Entries 43
Mean −0.01229
Std Dev 1.029
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

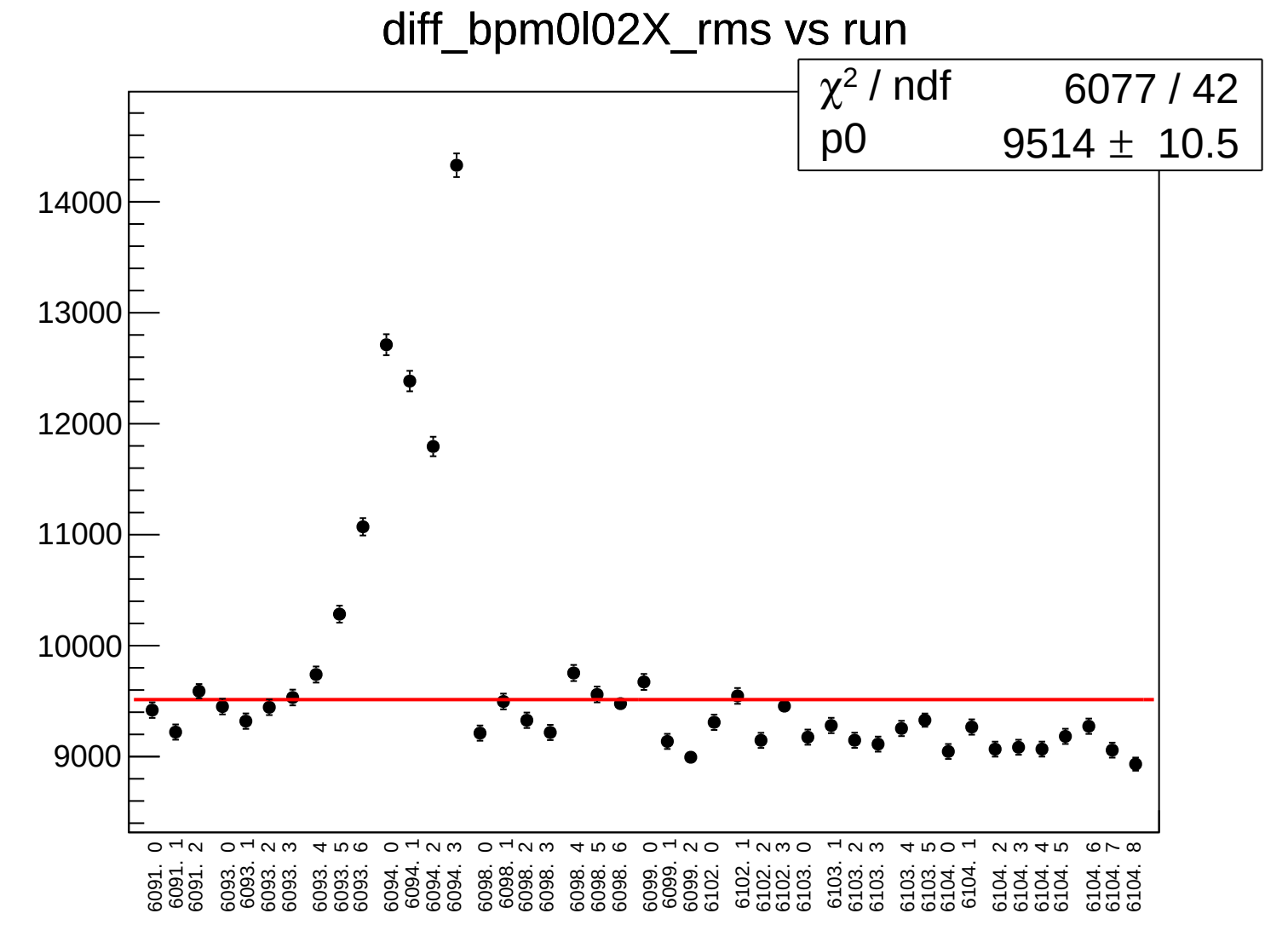

diff_bpm0l01X_rms vs run
χ² / ndf 287.5 / 42
p0 3135 ± 3.446
3300
3250
3200
3150
3100
3050
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

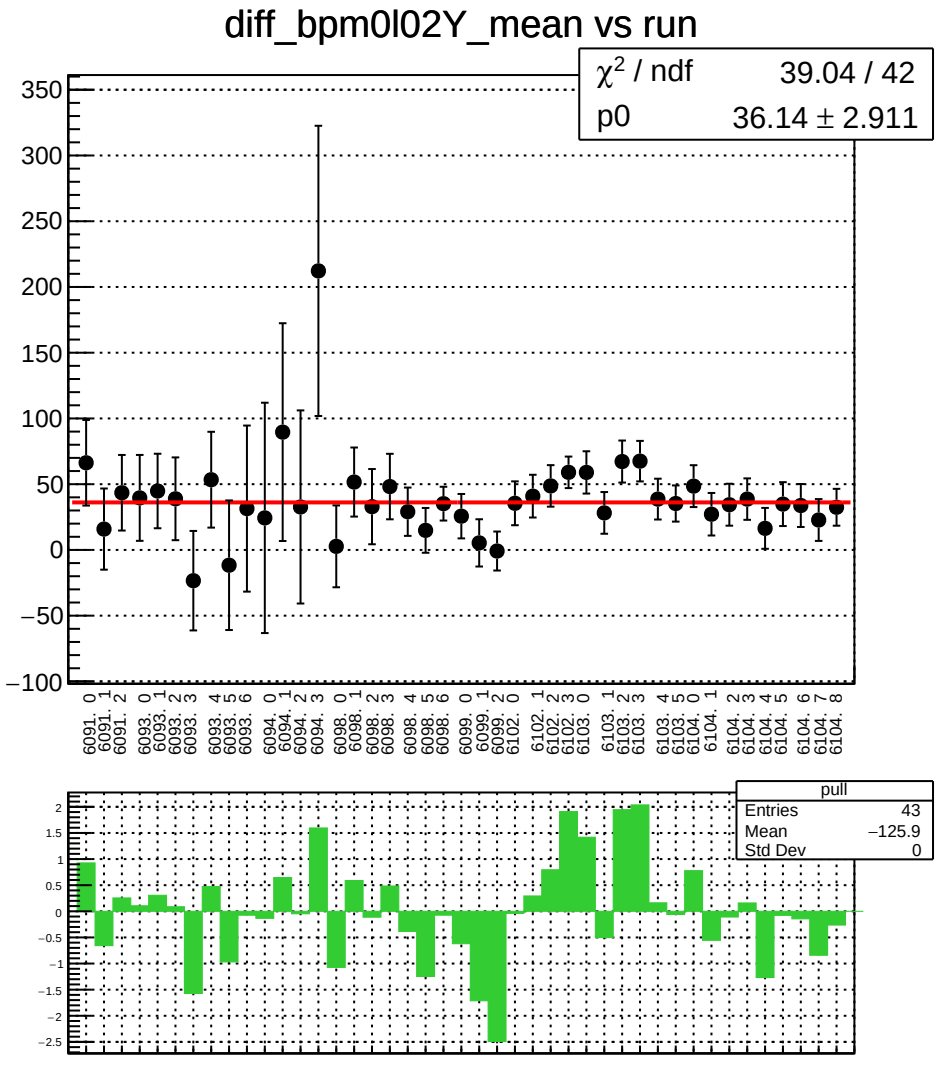

diff_bpm0l01Y_mean vs run
χ² / ndf 61.68 / 42
p0 27.72 ± 2.08
80
60
40
20
0
−20
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean −265.9
Std Dev 0
2
1
0
−1
−2

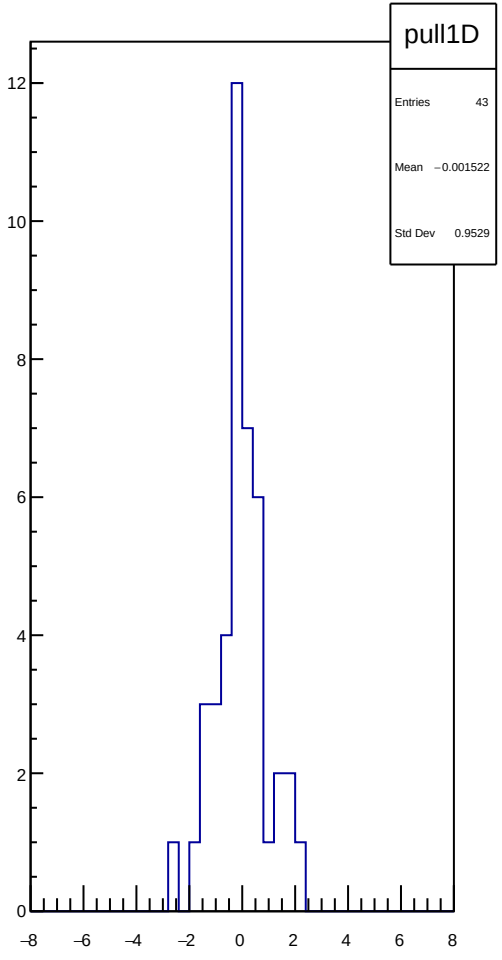

pull1D
Entries 43
Mean −0.00879
Std Dev 1.198
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

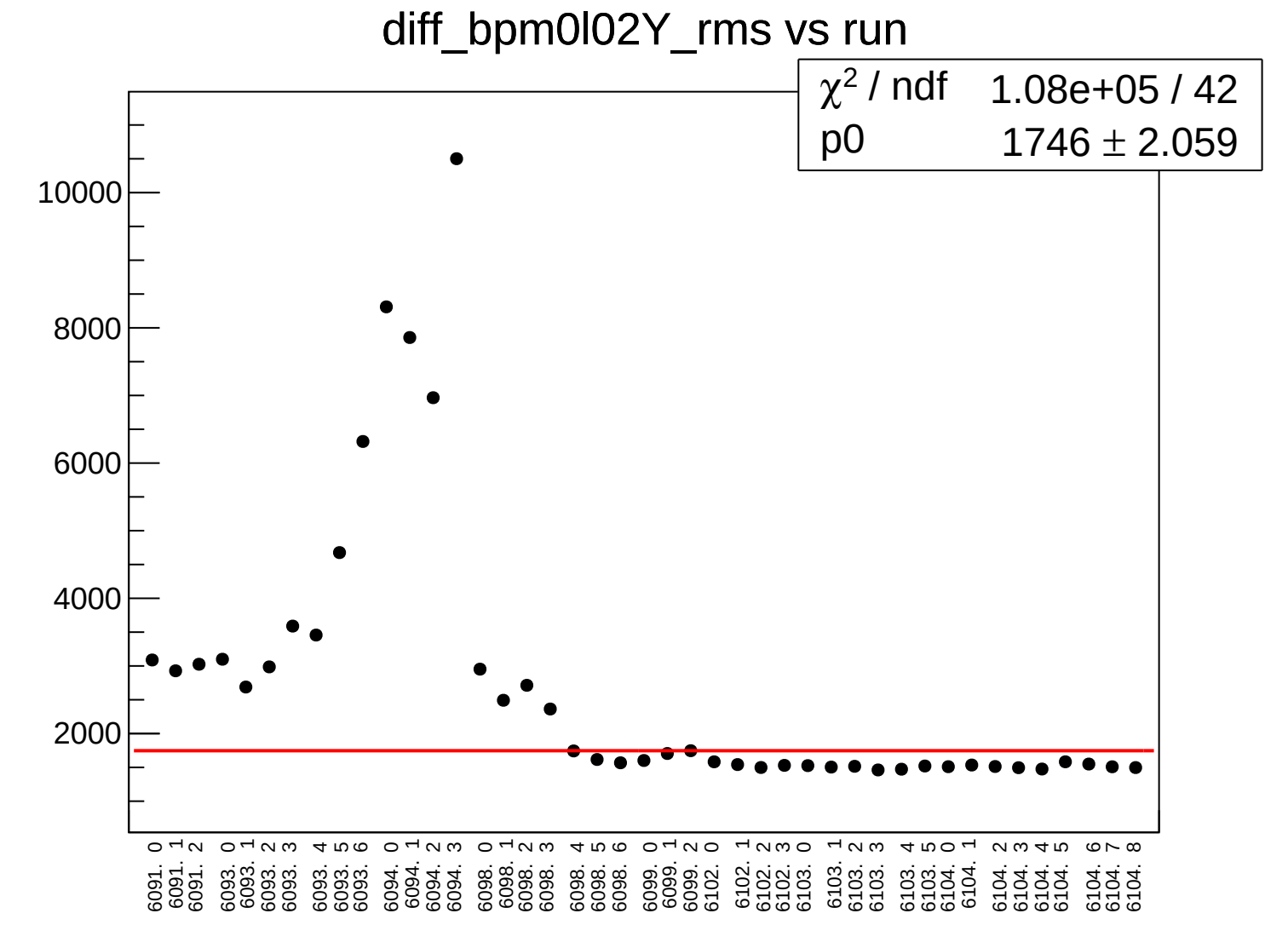

diff_bpm0l01Y_rms vs run
χ² / ndf 4036 / 42
p0 1335 ± 1.471
1800
1700
1600
1500
1400
1300
1200
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

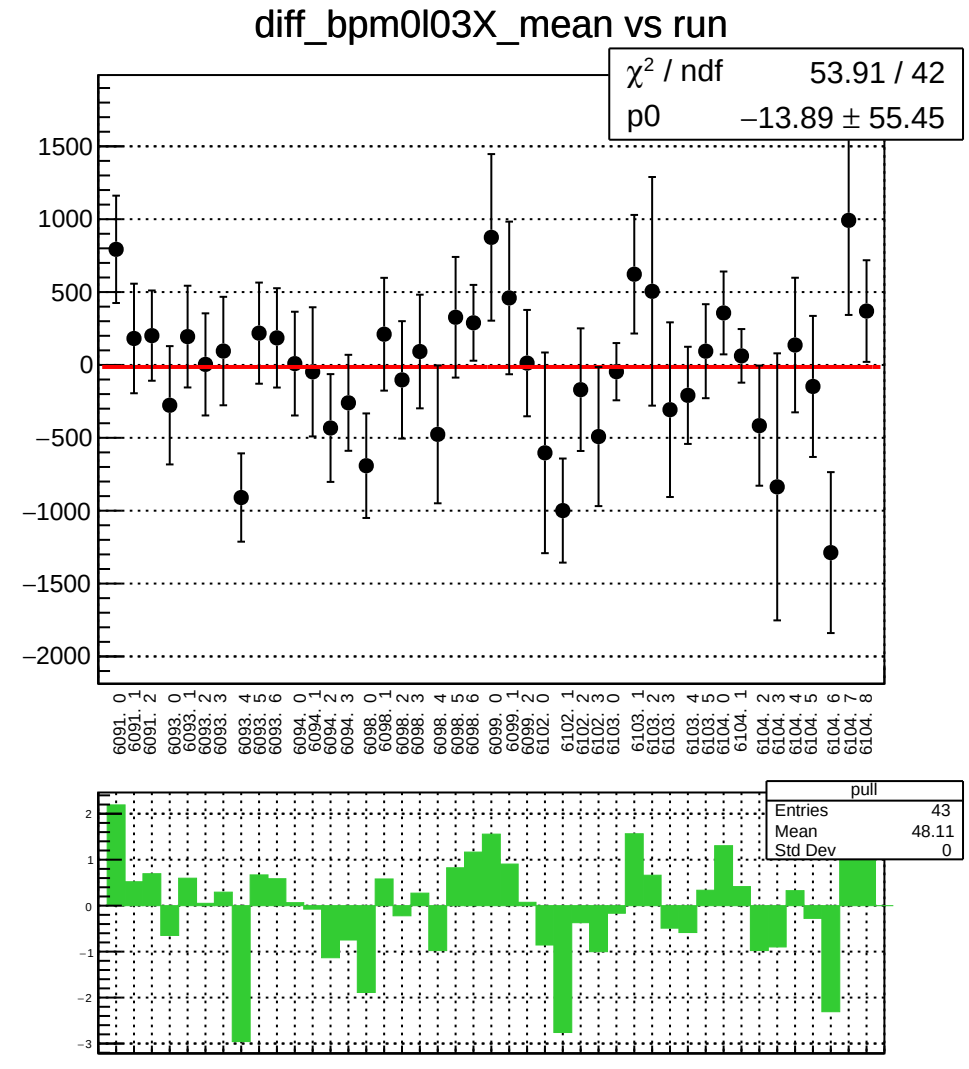

diff_bpm0l02X_mean vs run
χ² / ndf 37.46 / 42
p0 4.049 ± 14.84
pull
Entries 43
Mean 41.18
Std Dev 0
pull1D
Entries 43
Mean −0.03145
Std Dev 0.9329

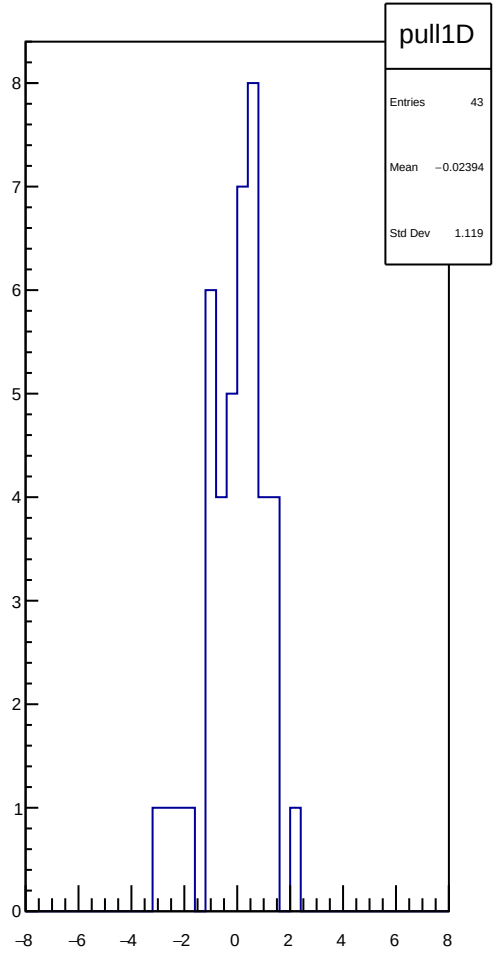

diff_bpm0l02X_rms vs run
χ² / ndf 6077 / 42
p0 9514 ± 10.5
14000
13000
12000
11000
10000
9000
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

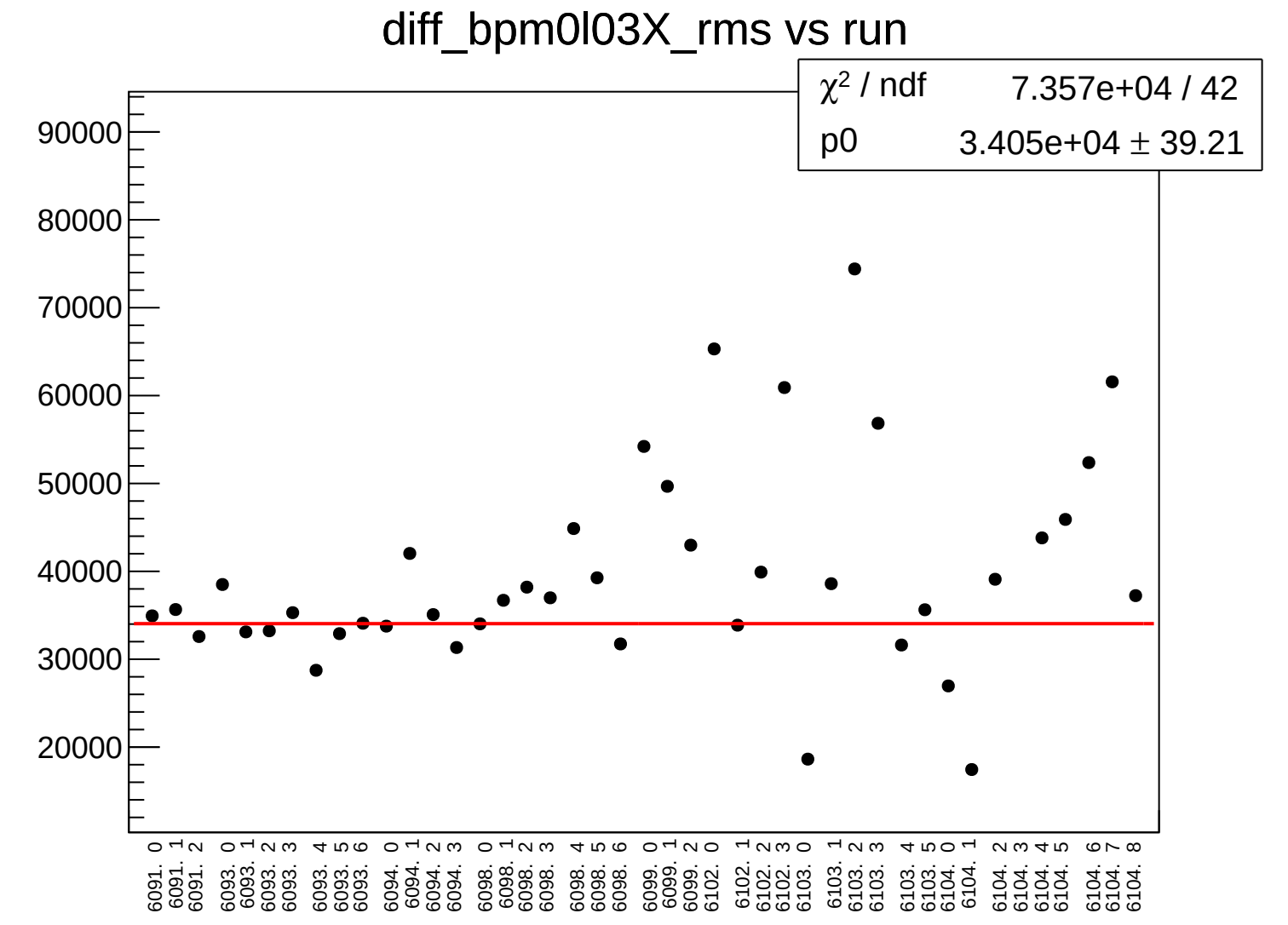

diff_bpm0l02Y_mean vs run
χ² / ndf 39.04 / 42
p0 36.14 ± 2.911
pull
Entries 43
Mean −125.9
Std Dev 0

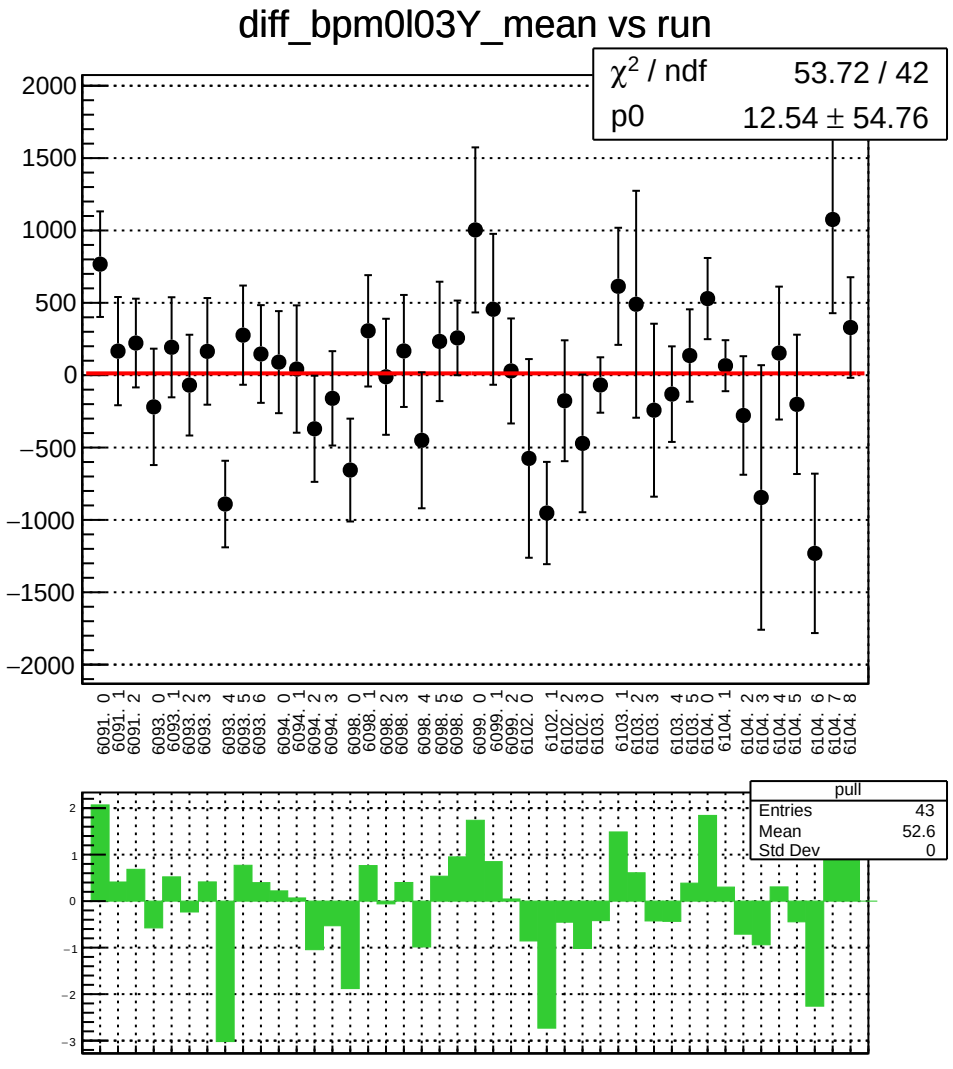

pull1D
Entries 43
Mean −0.001522
Std Dev 0.9529

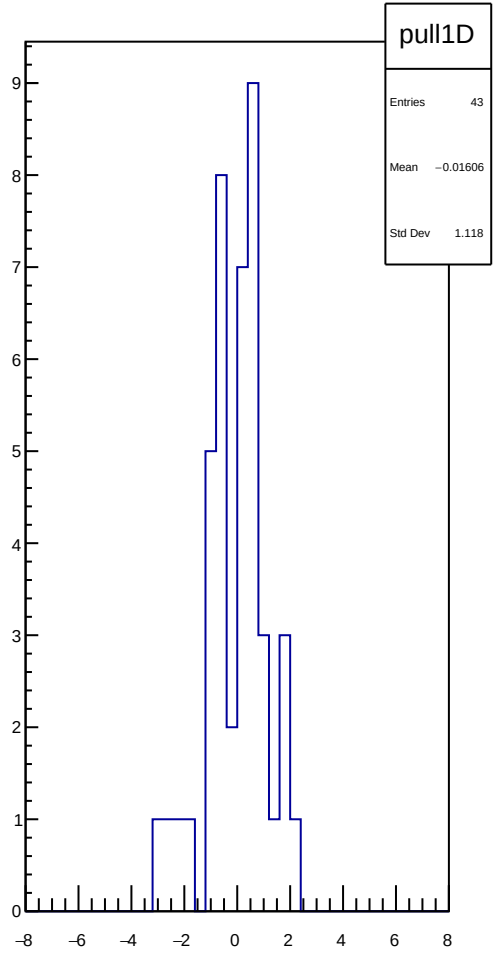

diff_bpm0l02Y_rms vs run
χ² / ndf 1.08e+05 / 42
p0 1746 ± 2.059
10000
8000
6000
4000
2000
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

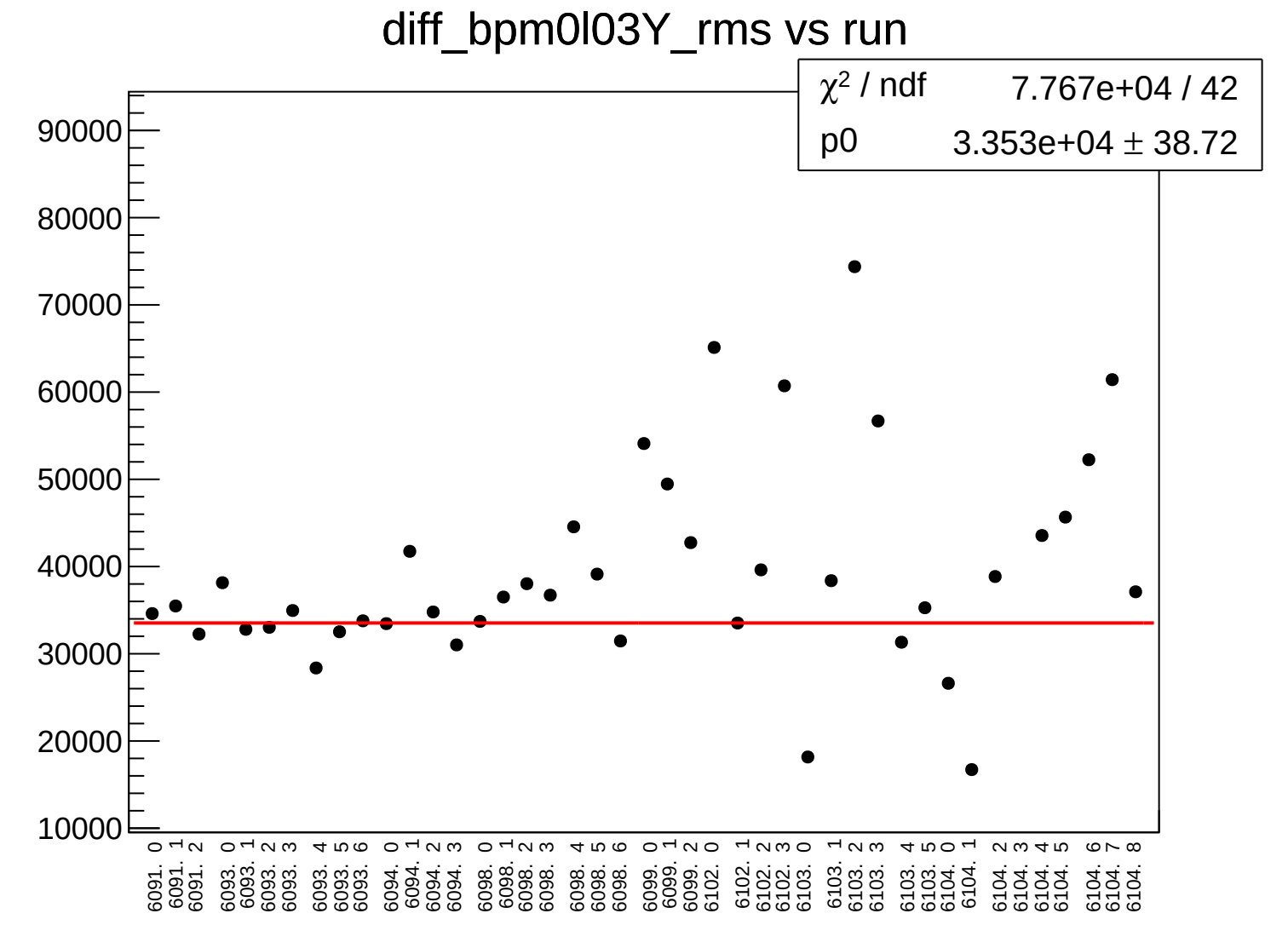

diff_bpm0l03X_mean vs run
χ² / ndf 53.91 / 42
p0 −13.89 ± 55.45
1500
1000
500
0
−500
−1000
−1500
−2000
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 48.11
Std Dev 0
2
1
0
−1
−2
−3

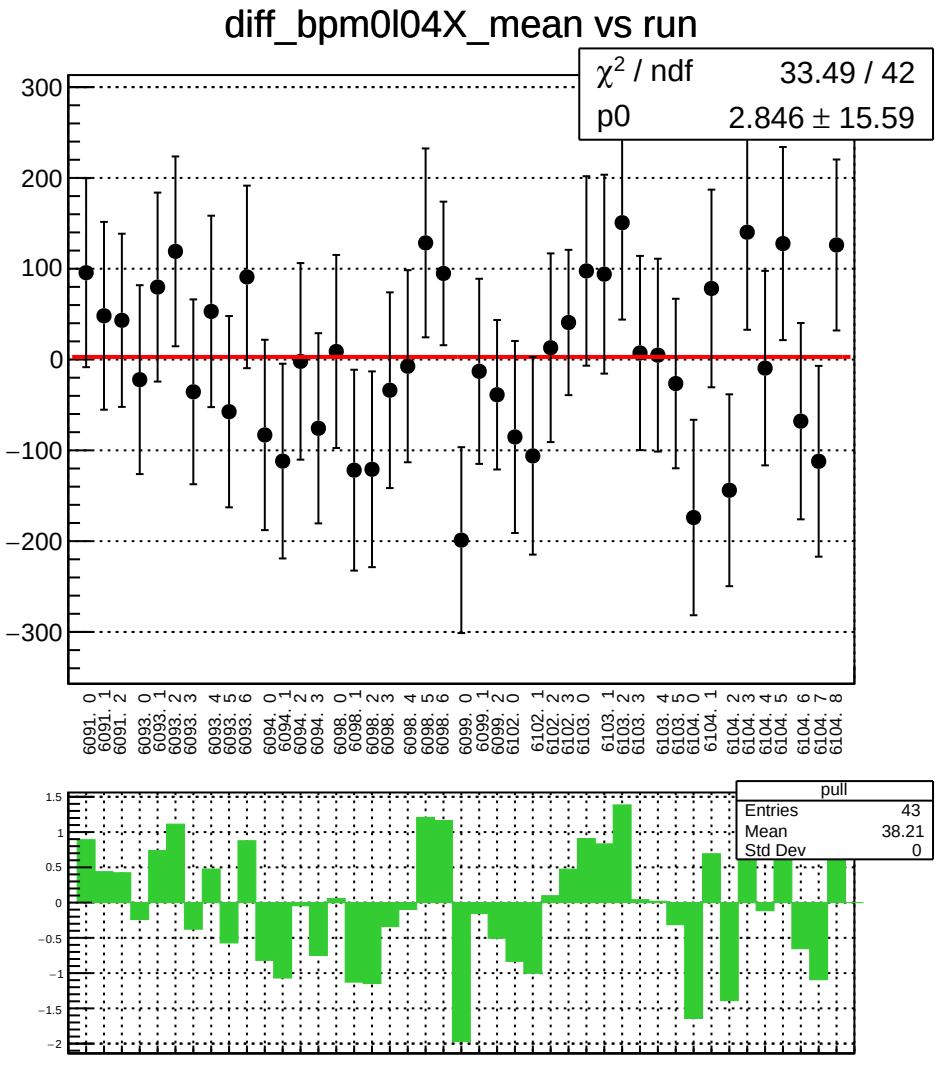

pull1D
Entries 43
Mean −0.02394
Std Dev 1.119
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

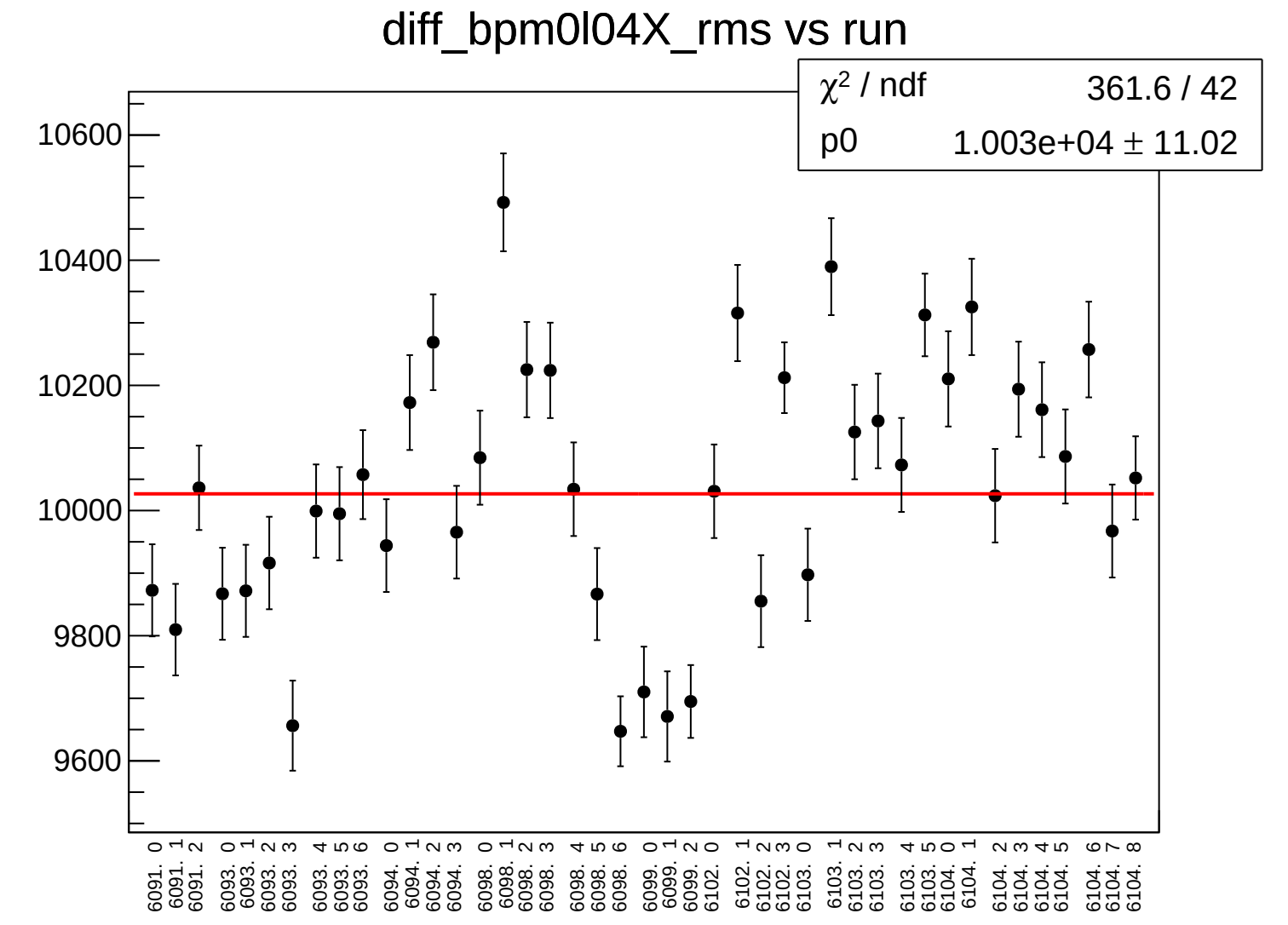

diff_bpm0l03X_rms vs run
χ² / ndf 7.357e+04 / 42
p0 3.405e+04 ± 39.21
90000
80000
70000
60000
50000
40000
30000
20000
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

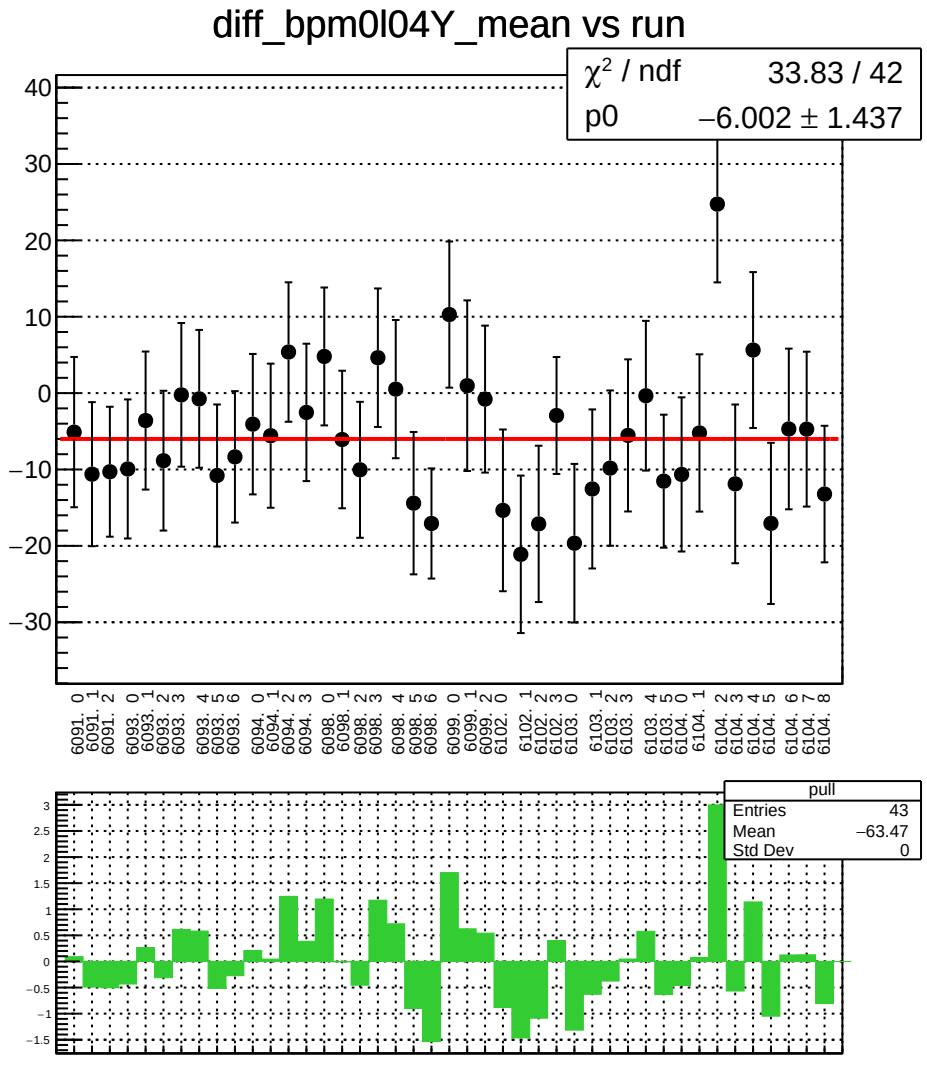

diff_bpm0l03Y_mean vs run
χ² / ndf 53.72 / 42
p0 12.54 ± 54.76
2000
1500
1000
500
0
−500
−1000
−1500
−2000
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 52.6
Std Dev 0
2
1
0
−1
−2
−3

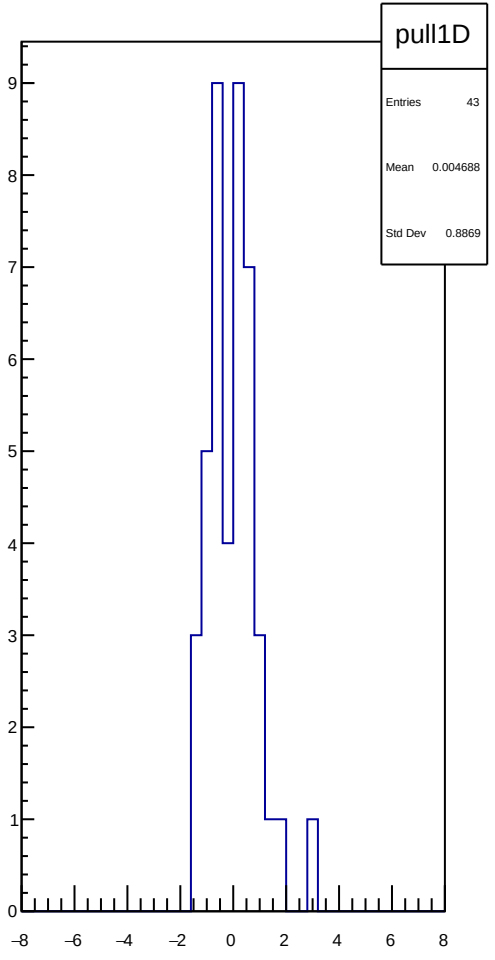

pull1D
Entries 43
Mean −0.01606
Std Dev 1.118
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

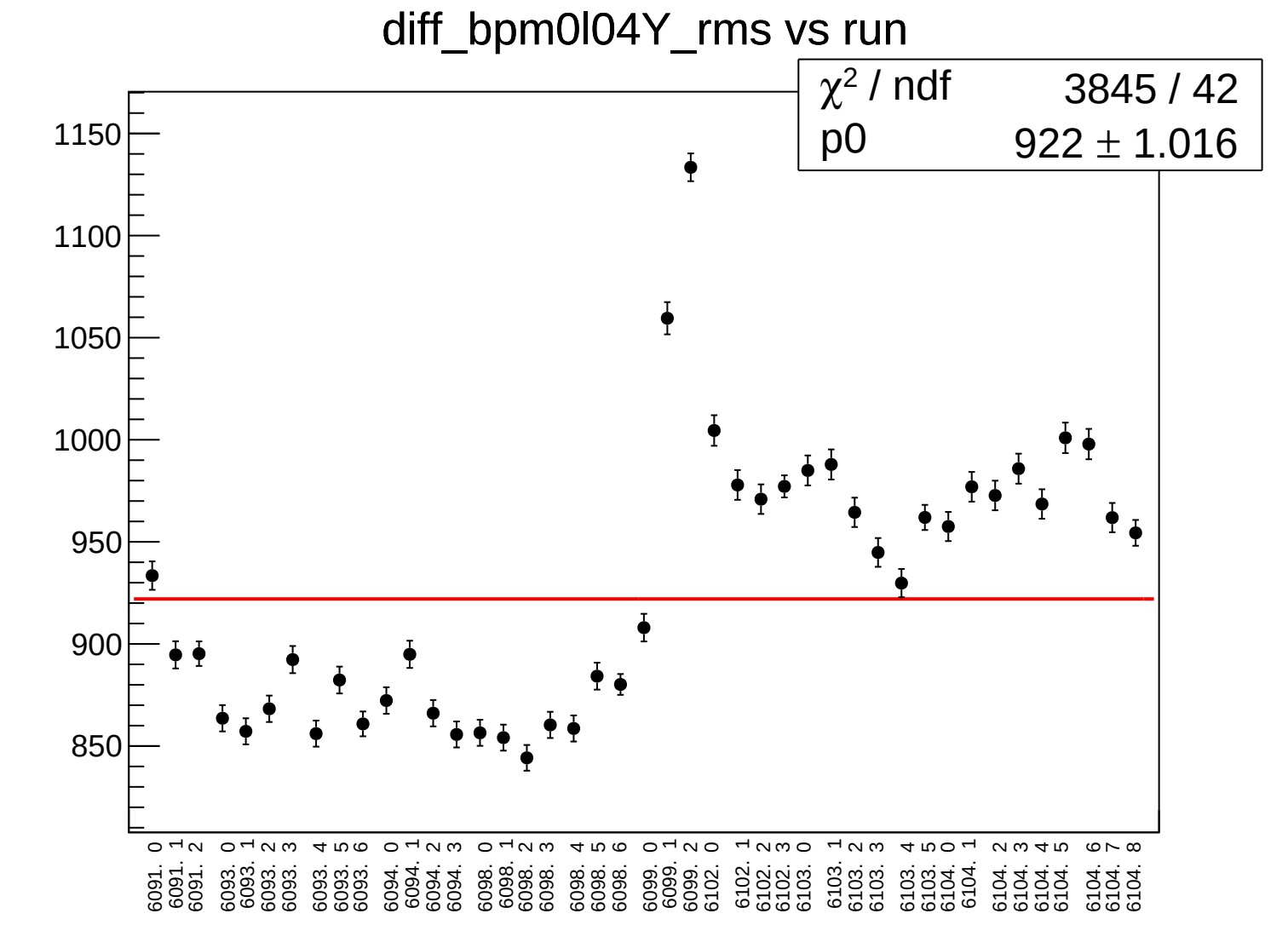

diff_bpm0l03Y_rms vs run
χ² / ndf 7.767e+04 / 42
p0 3.353e+04 ± 38.72
90000
80000
70000
60000
50000
40000
30000
20000
10000
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

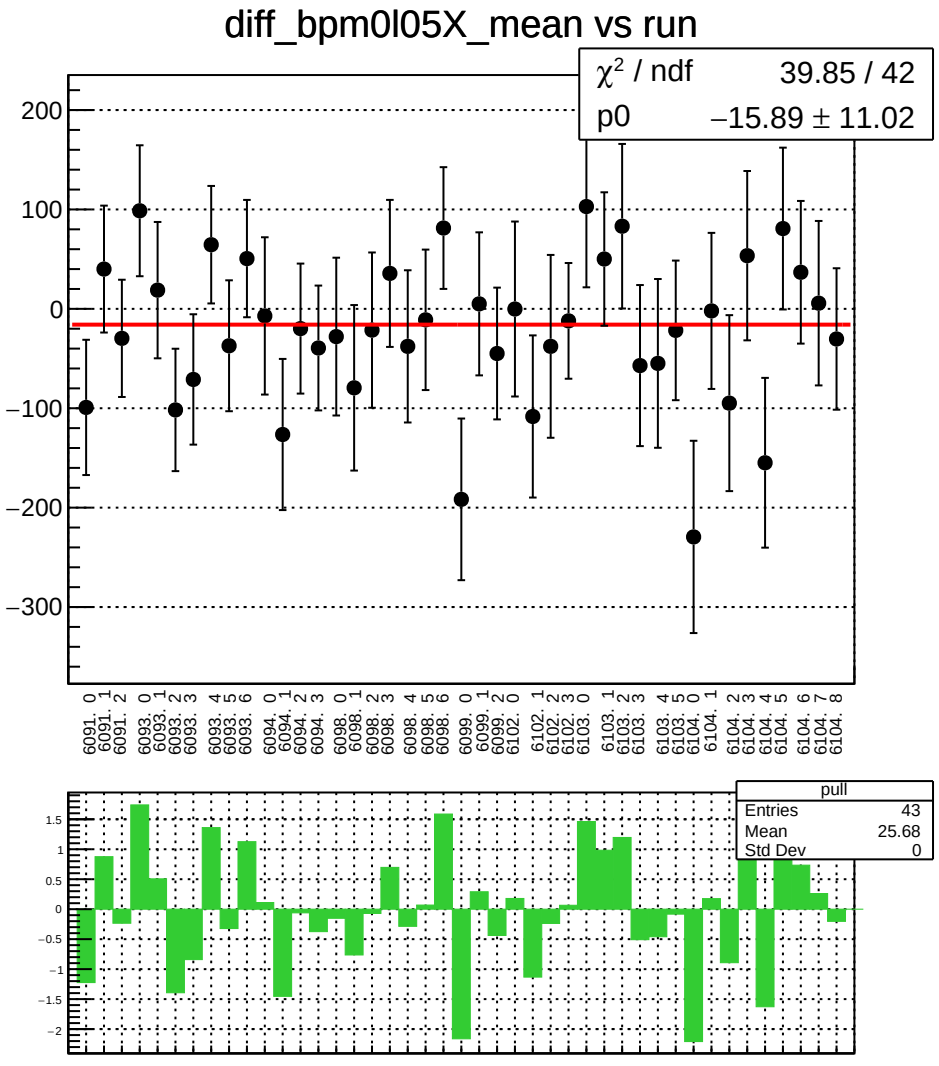

diff_bpm0l04X_mean vs run
χ² / ndf 33.49 / 42
p0 2.846 ± 15.59
pull
Entries 43
Mean 38.21
Std Dev 0
pull1D
Entries 43
Mean −0.01536
Std Dev 0.8824

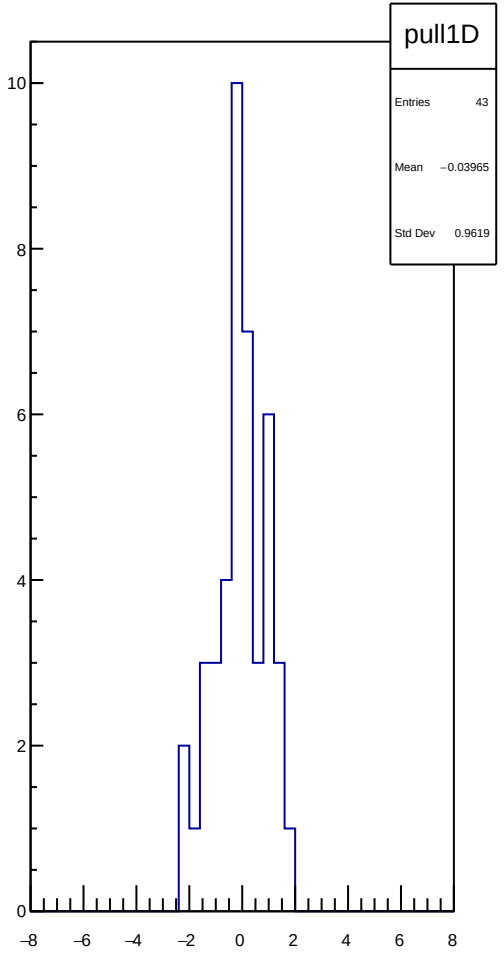

diff_bpm0l04X_rms vs run
χ² / ndf 361.6 / 42
p0 1.003e+04 ± 11.02
10600
10400
10200
10000
9800
9600
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

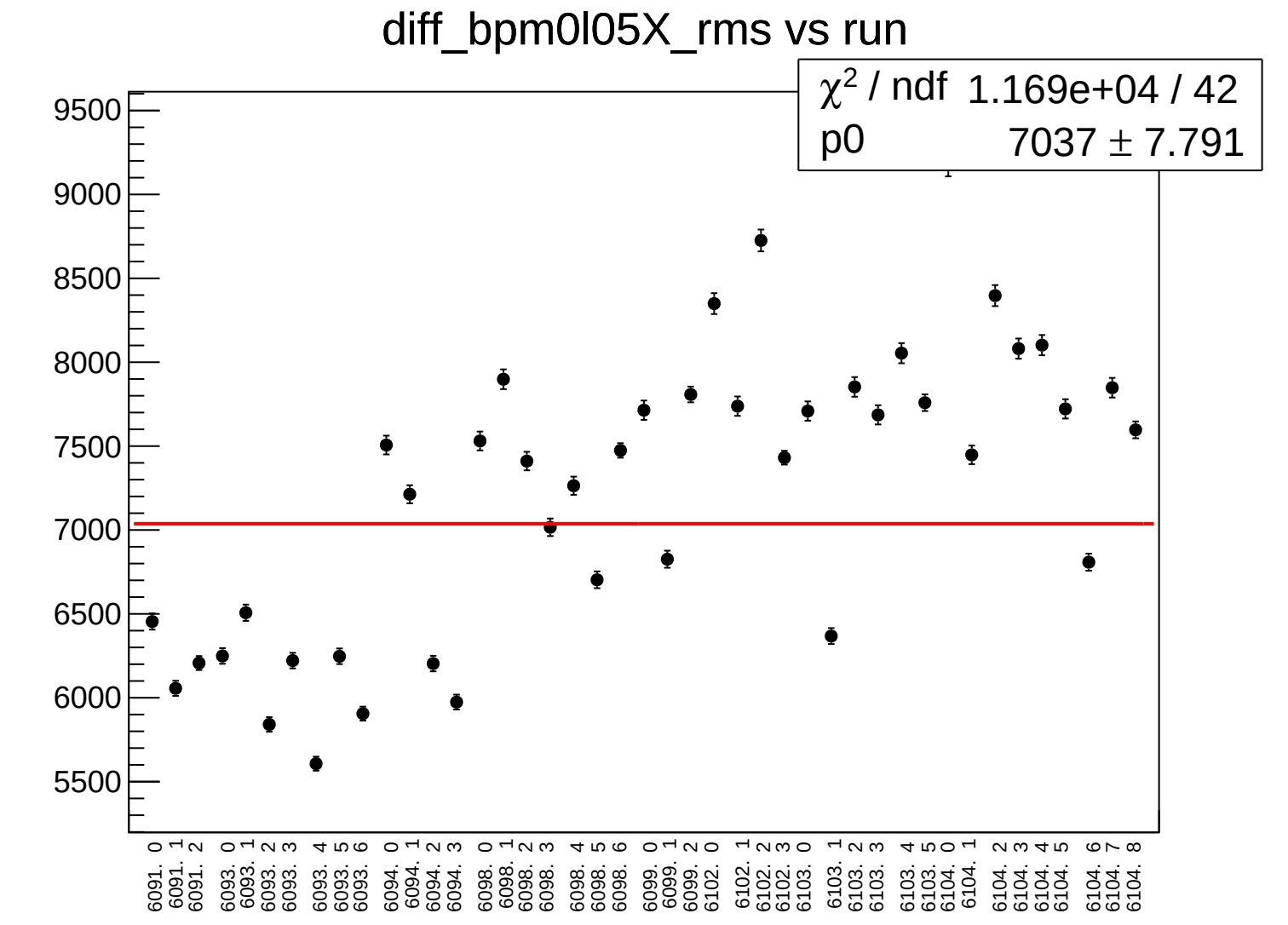

diff_bpm0l04Y_mean vs run
χ² / ndf 33.83 / 42
p0 −6.002 ± 1.437
pull
Entries 43
Mean −63.47
Std Dev 0

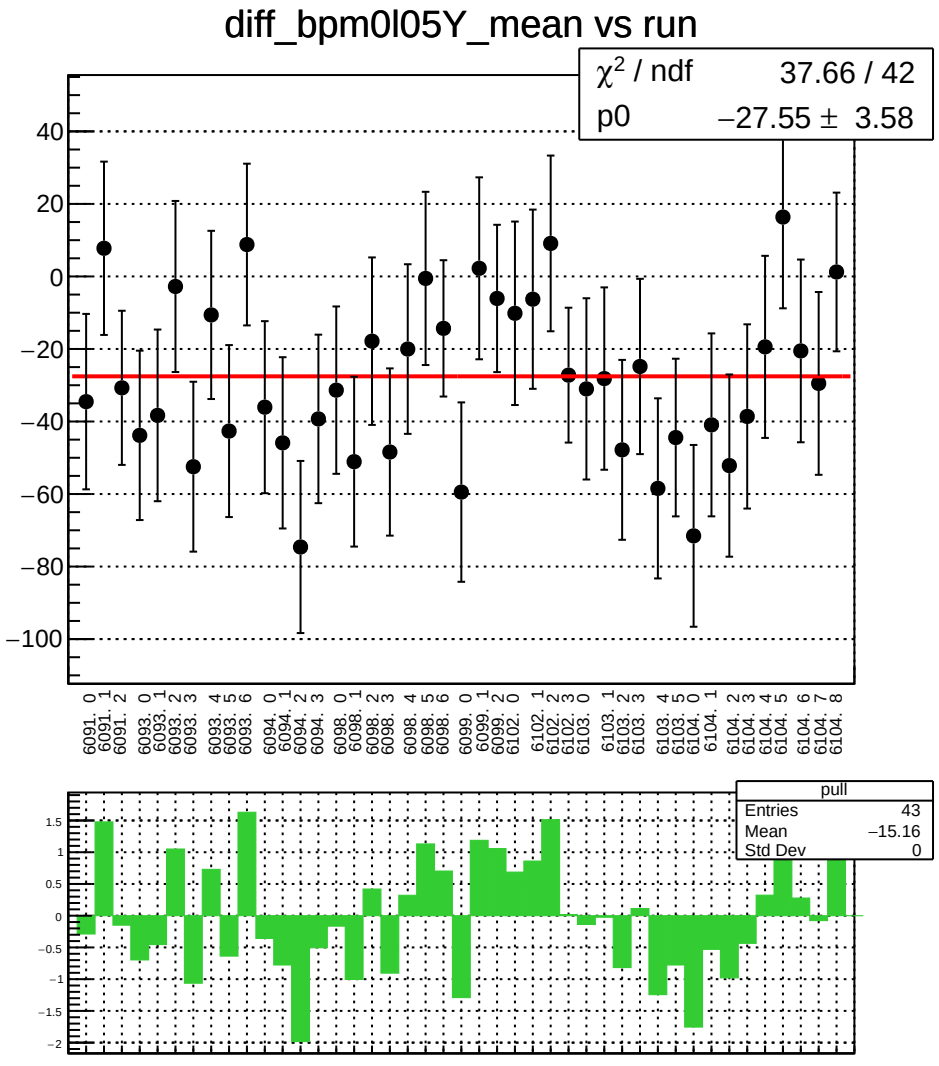

pull1D
Entries 43
Mean 0.004688
Std Dev 0.8869

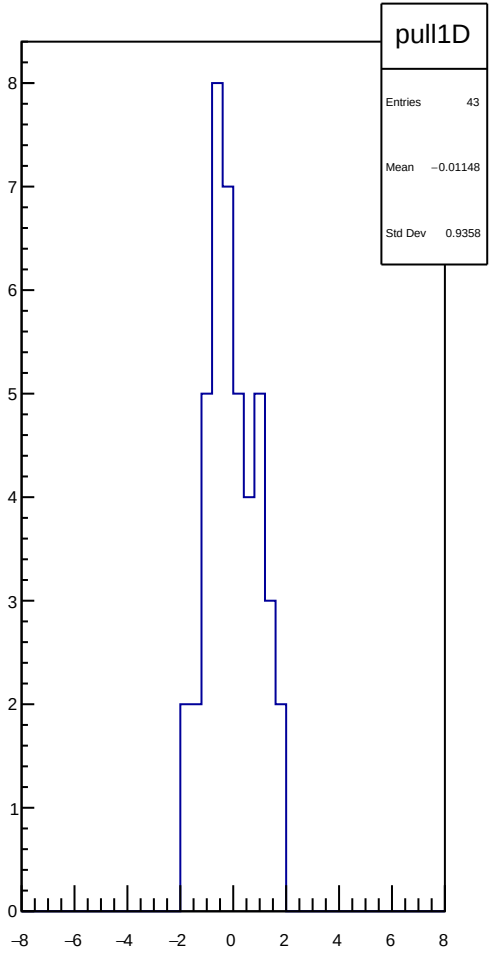

diff_bpm0l04Y_rms vs run
χ² / ndf 3845 / 42
p0 922 ± 1.016
1150
1100
1050
1000
950
900
850
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

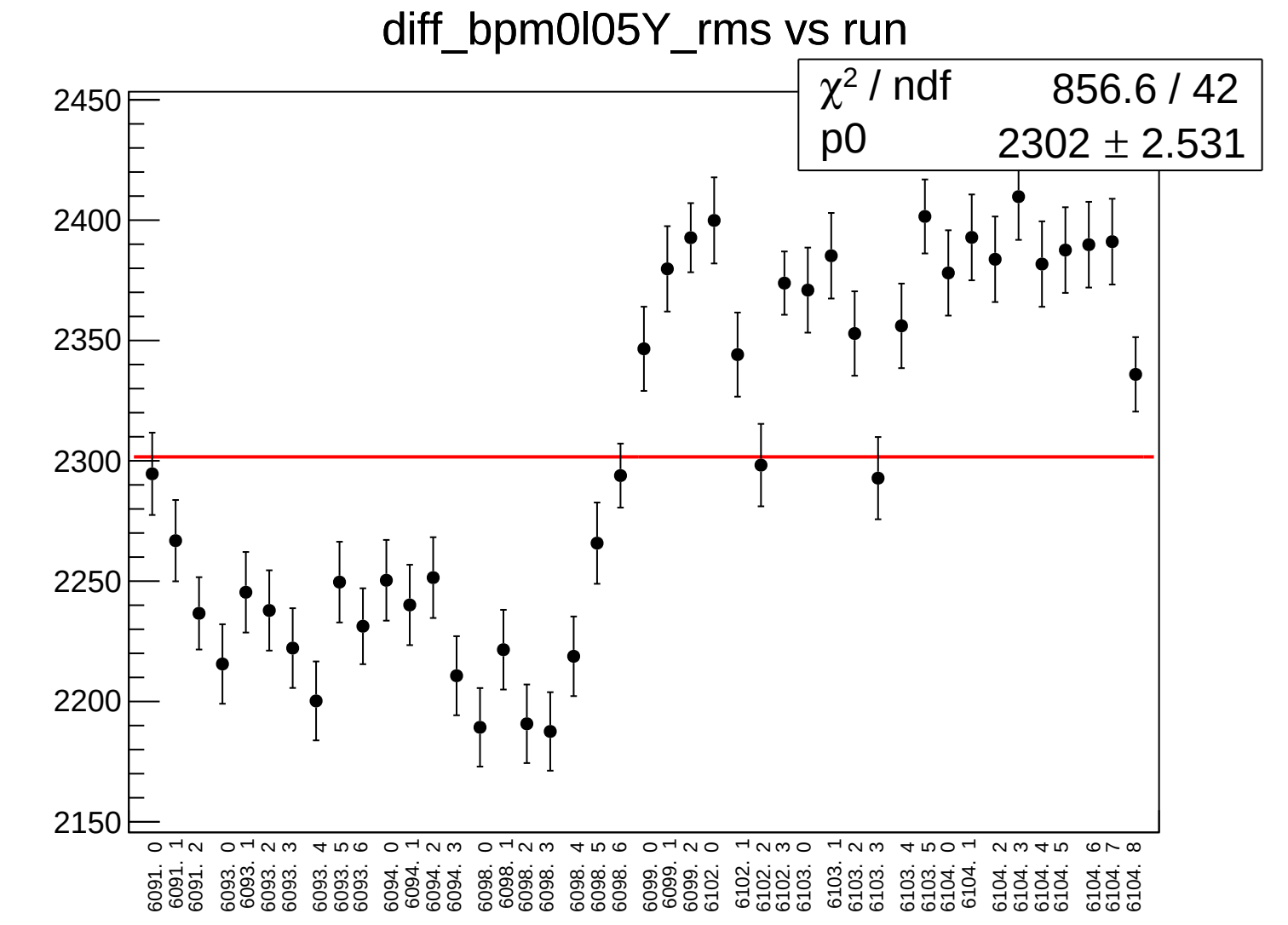

diff_bpm0l05X_mean vs run
χ² / ndf 39.85 / 42
p0 −15.89 ± 11.02
200
100
0
−100
−200
−300
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 25.68
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2

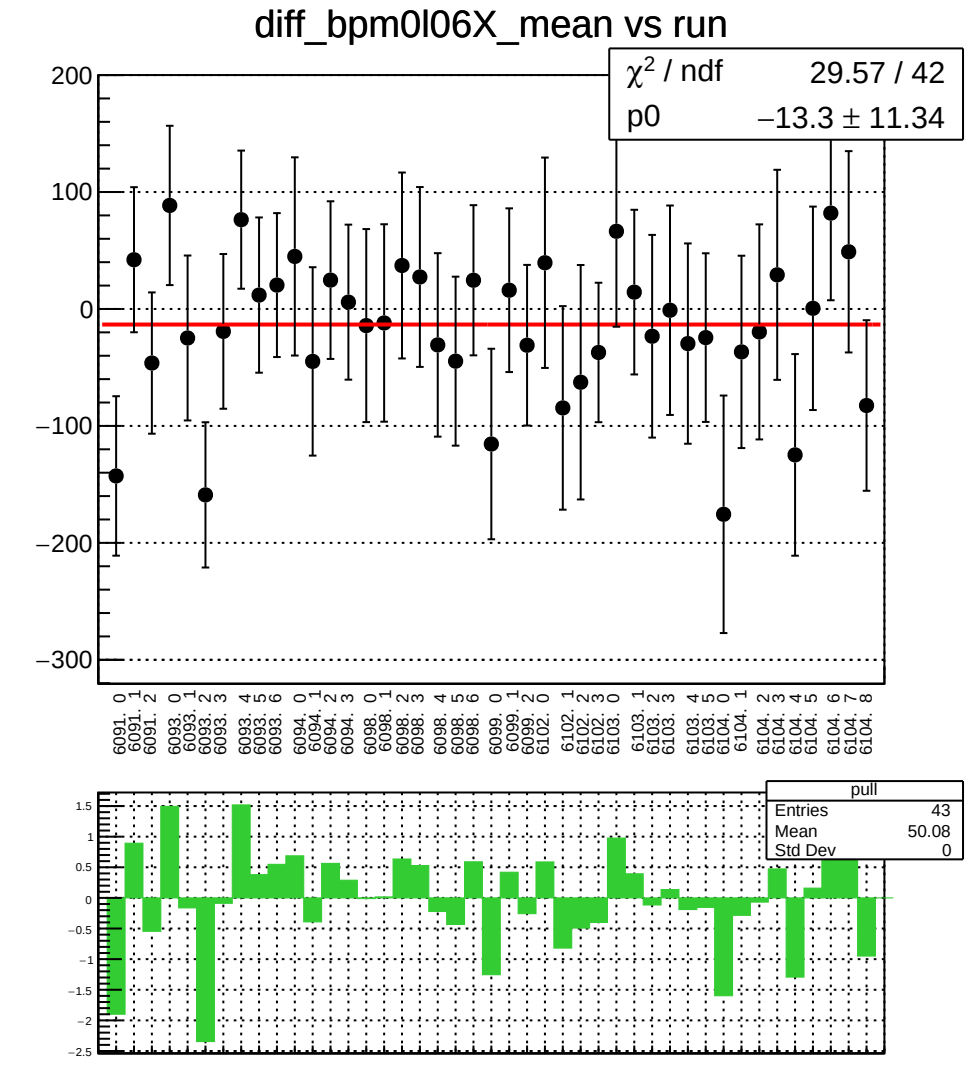

pull1D
Entries 43
Mean −0.03965
Std Dev 0.9619
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

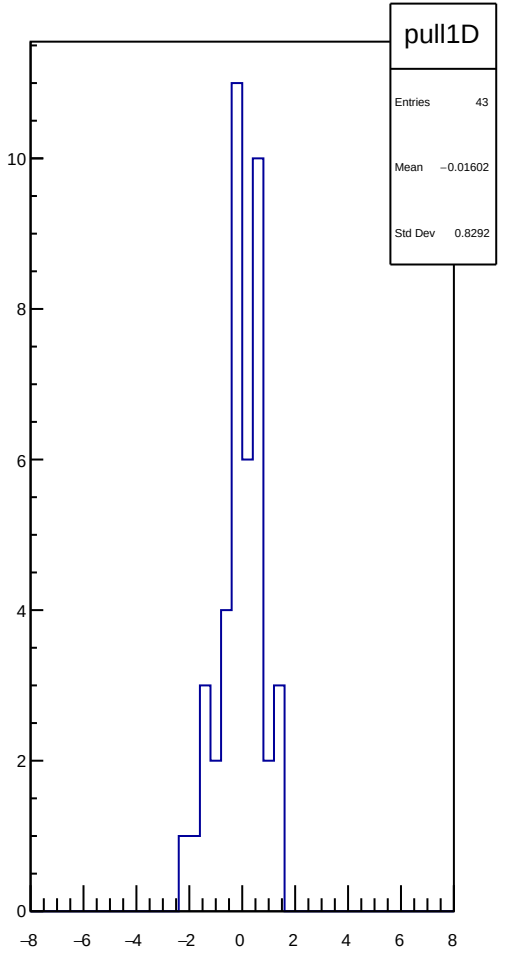

diff_bpm0l05X_rms vs run
χ² / ndf 1.169e+04 / 42
p0 7037 ± 7.791
9500
9000
8500
8000
7500
7000
6500
6000
5500
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

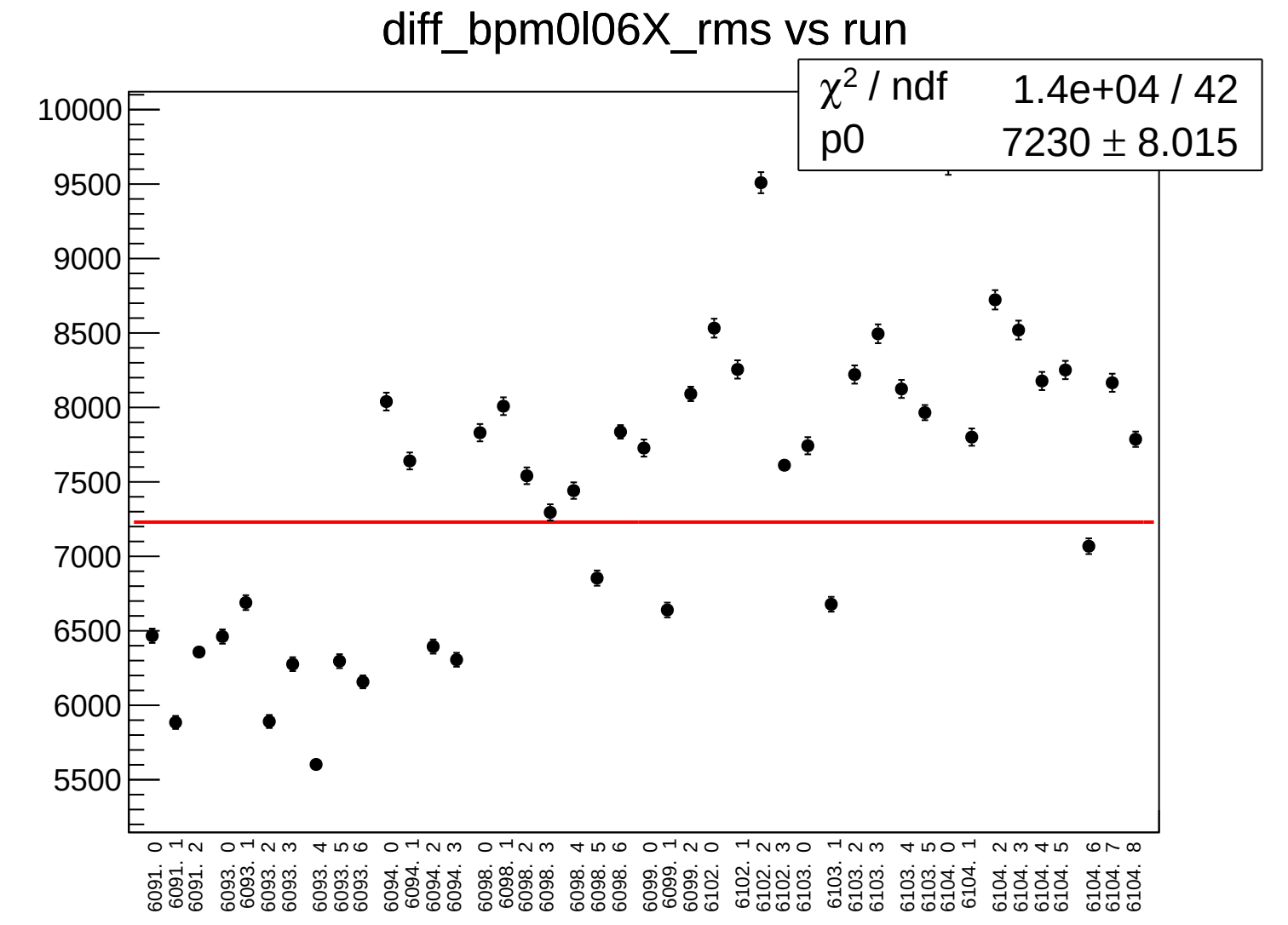

diff_bpm0l05Y_mean vs run
χ² / ndf 37.66 / 42
p0 −27.55 ± 3.58
40
20
0
−20
−40
−60
−80
−100
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean −15.16
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2

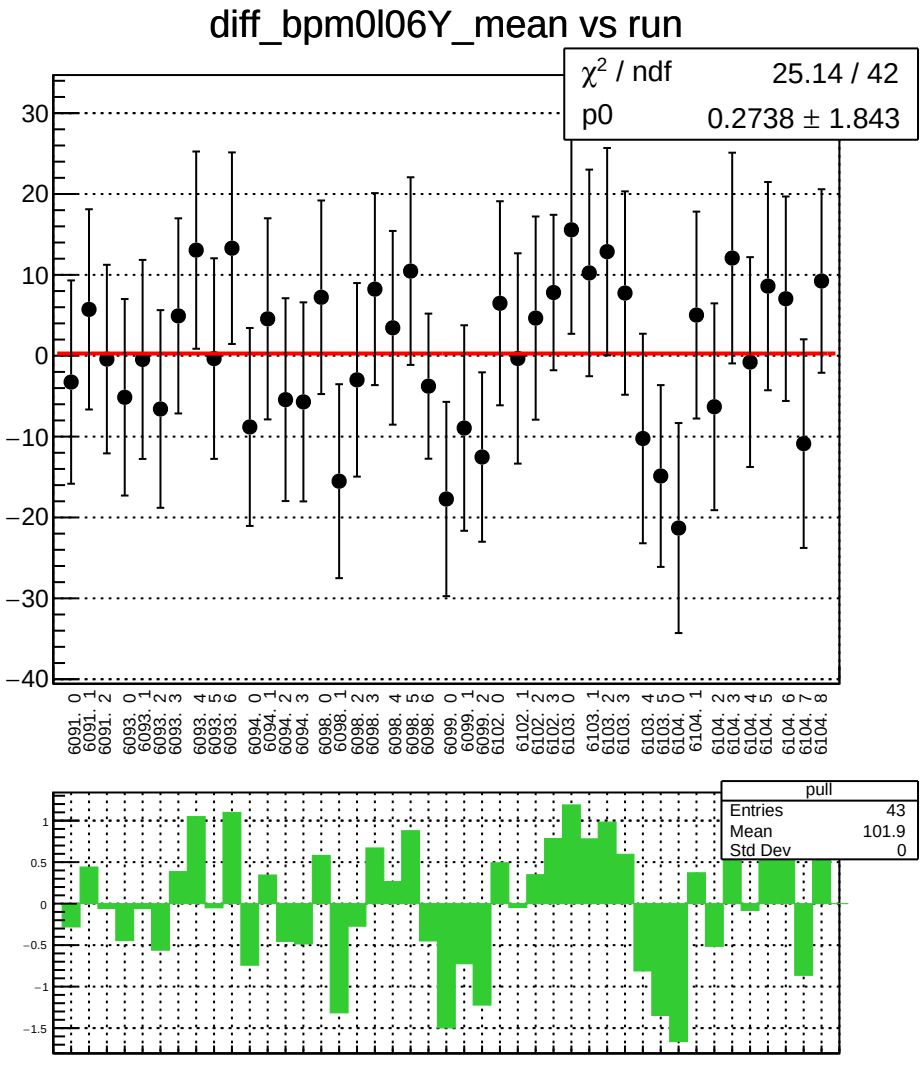

pull1D
Entries 43
Mean −0.01148
Std Dev 0.9358
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

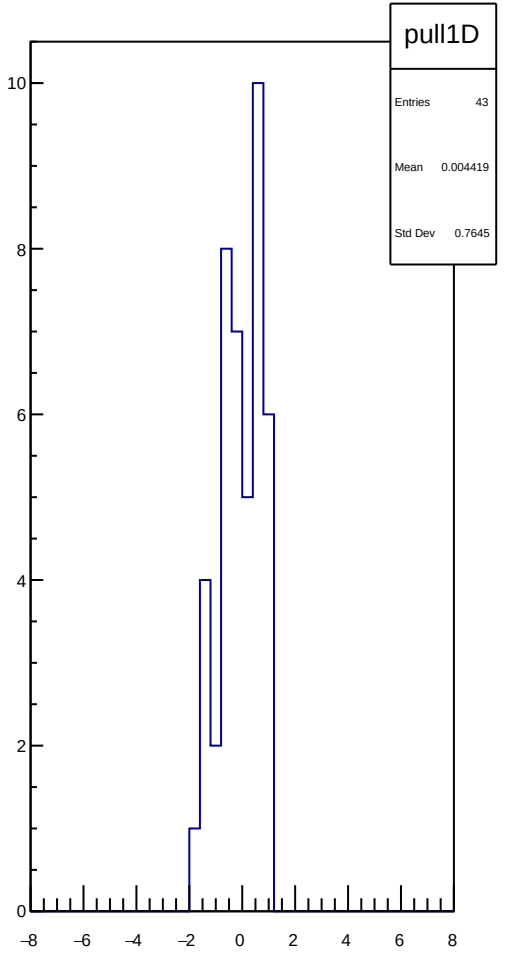

diff_bpm0l05Y_rms vs run
χ² / ndf 856.6 / 42
p0 2302 ± 2.531
2450
2400
2350
2300
2250
2200
2150
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

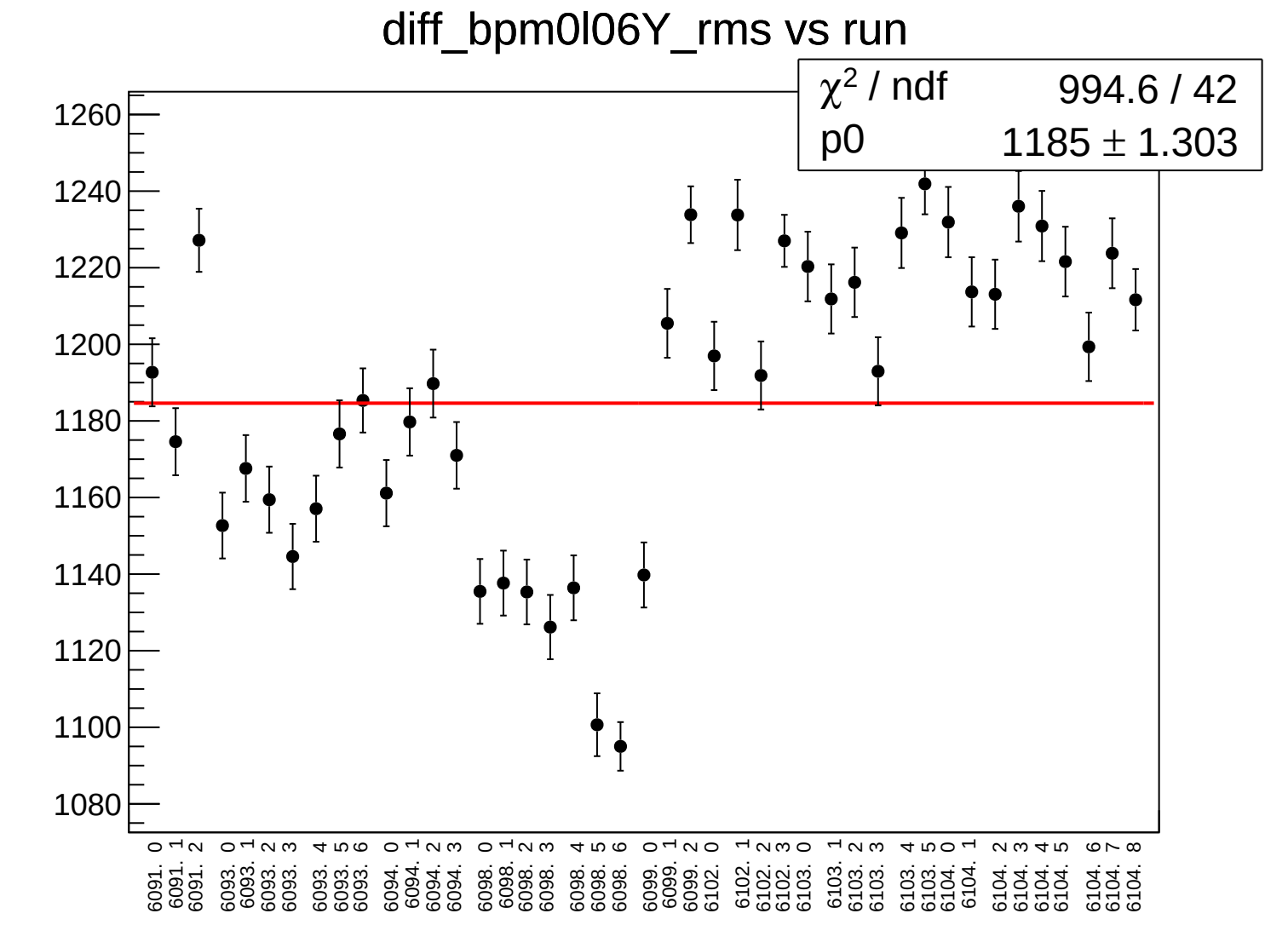

diff_bpm0l06X_mean vs run
χ² / ndf 29.57 / 42
p0 −13.3 ± 11.34
pull
Entries 43
Mean 50.08
Std Dev 0

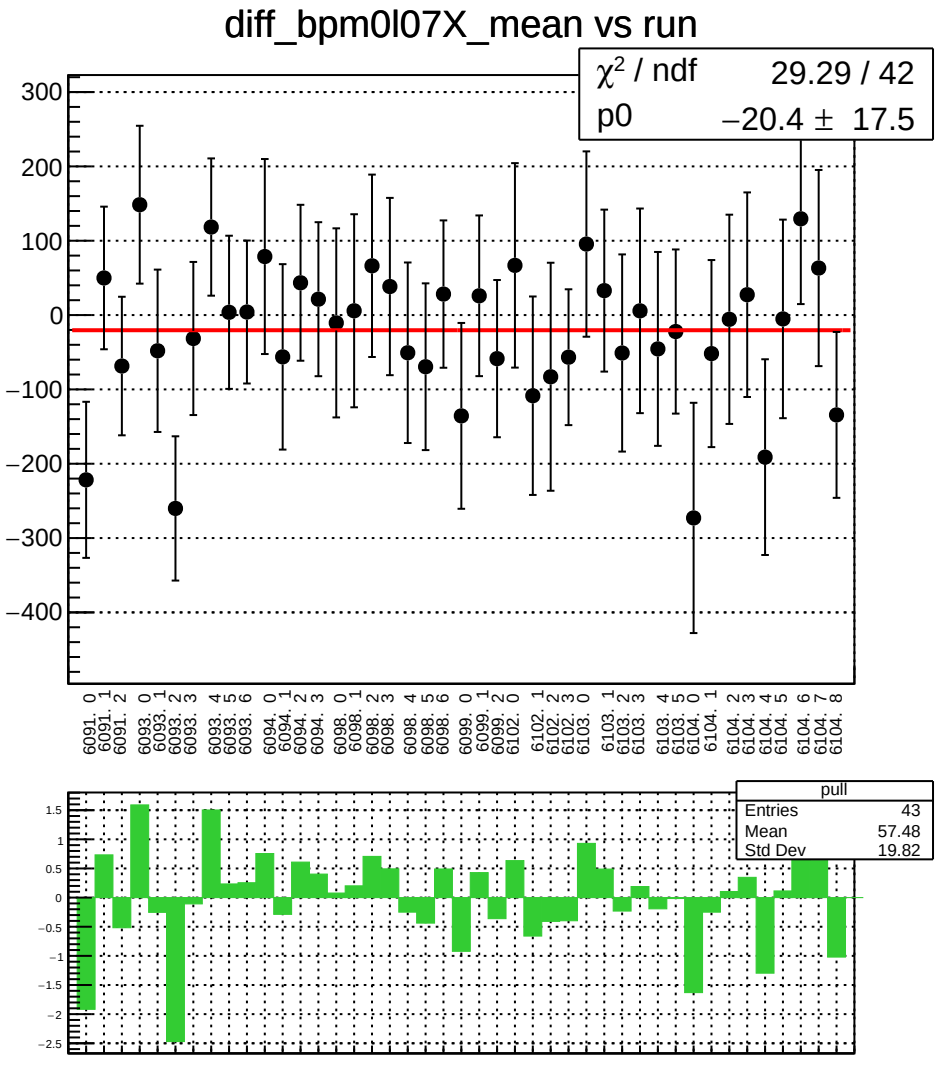

pull1D
Entries 43
Mean −0.01602
Std Dev 0.8292

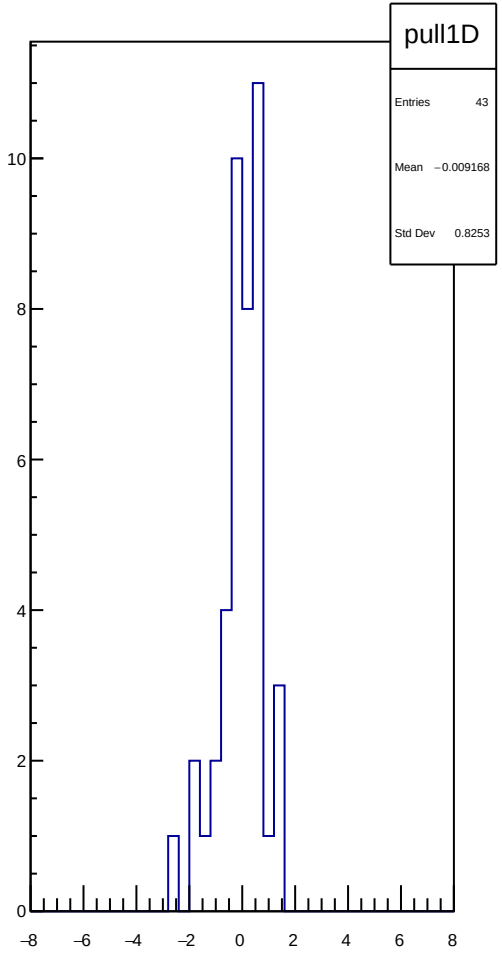

diff_bpm0l06X_rms vs run
χ² / ndf 1.4e+04 / 42
p0 7230 ± 8.015
10000
9500
9000
8500
8000
7500
7000
6500
6000
5500
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

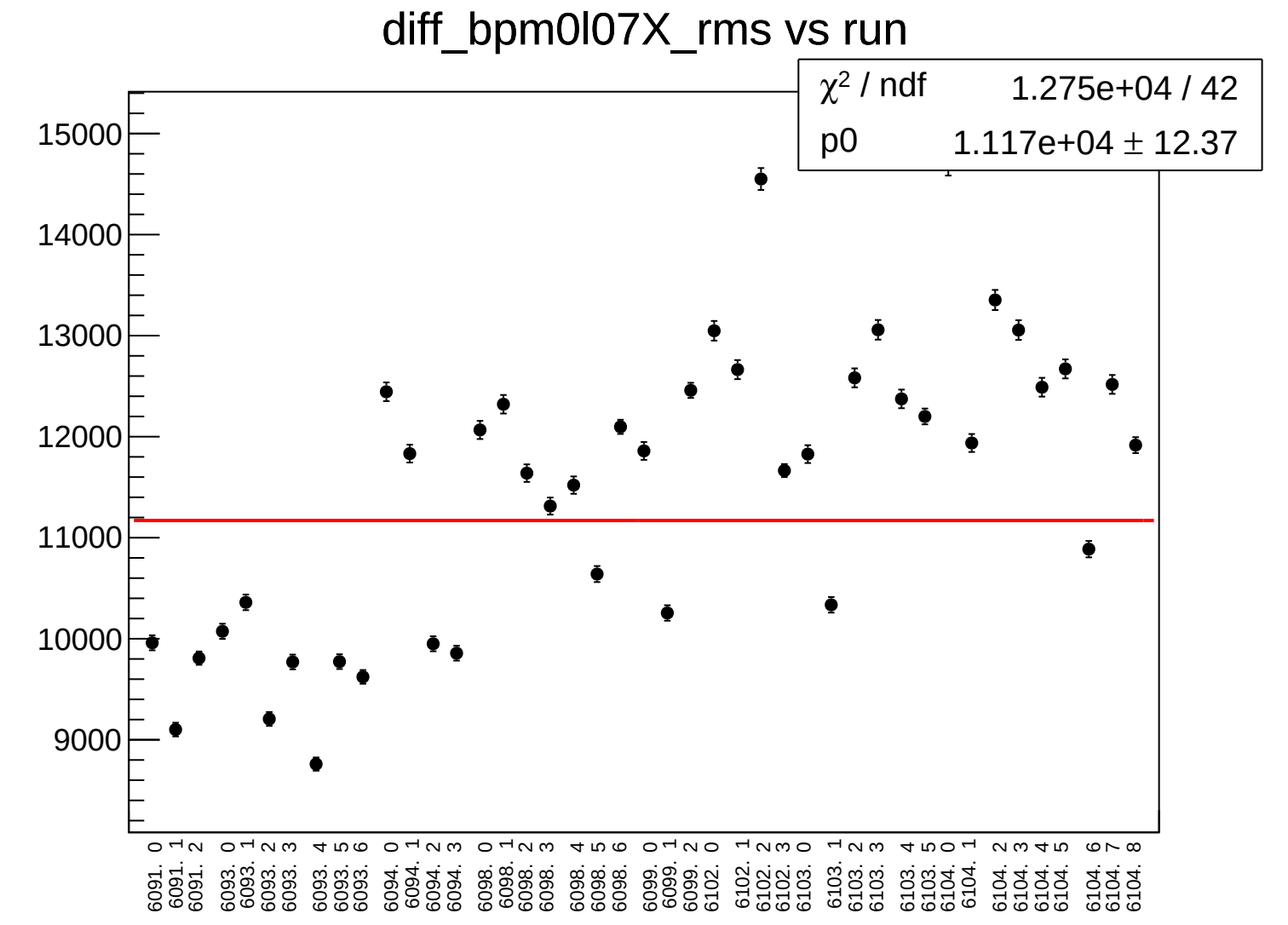

diff_bpm0l06Y_mean vs run
χ² / ndf 25.14 / 42
p0 0.2738 ± 1.843
pull
Entries 43
Mean 101.9
Std Dev 0

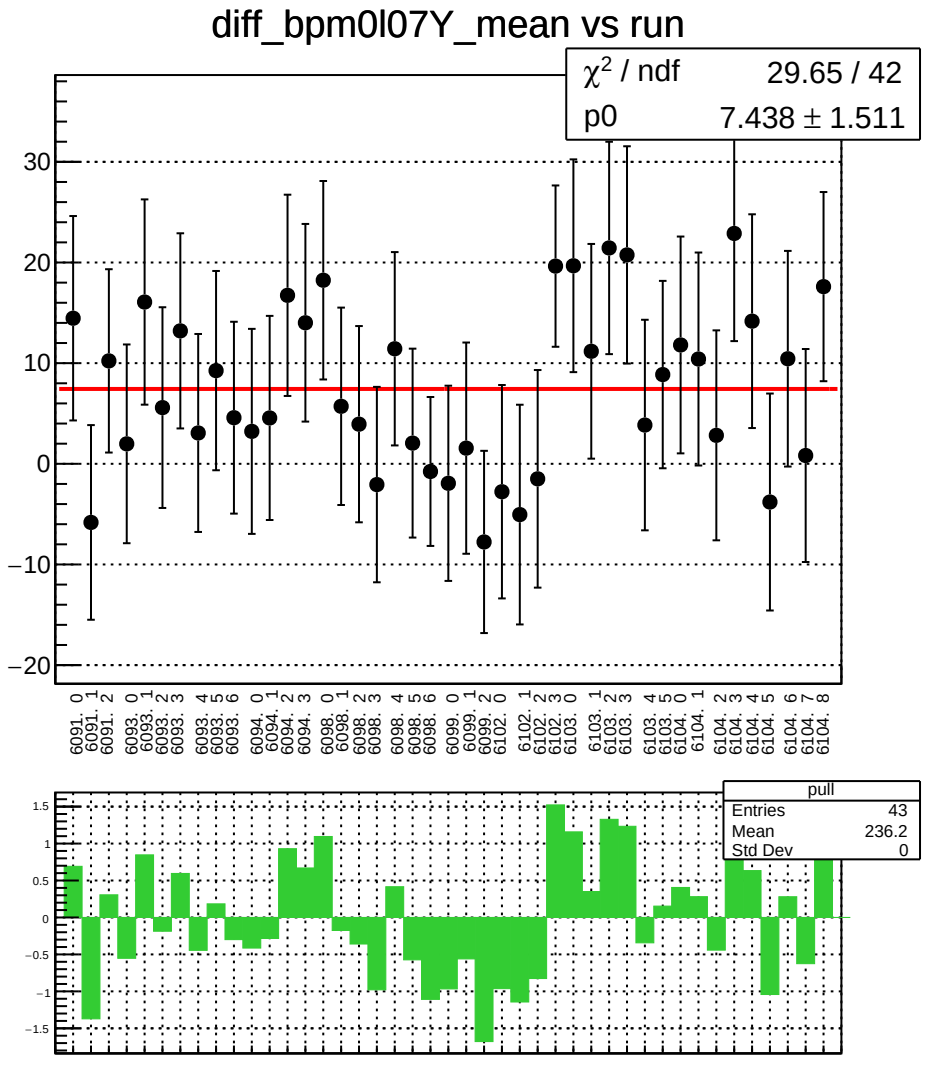

pull1D
Entries 43
Mean 0.004419
Std Dev 0.7645

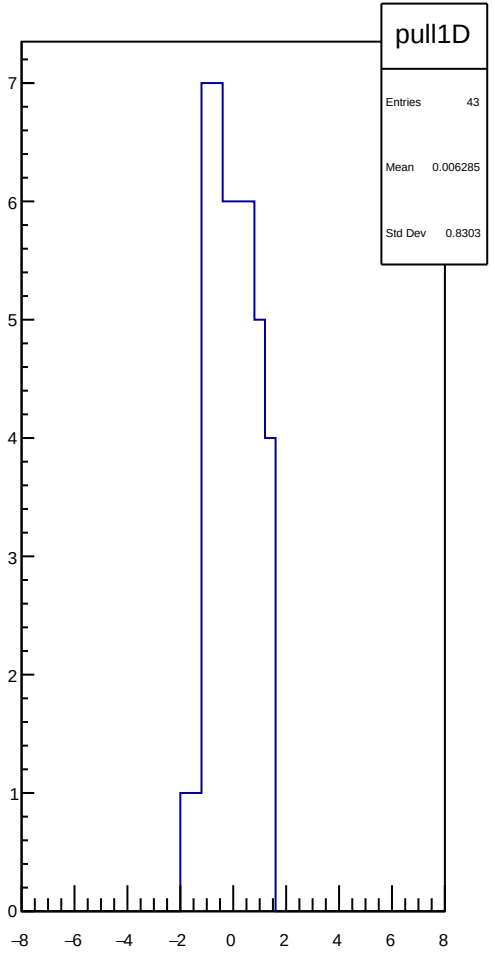

diff_bpm0l06Y_rms vs run
χ² / ndf 994.6 / 42
p0 1185 ± 1.303
1260
1240
1220
1200
1180
1160
1140
1120
1100
1080
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

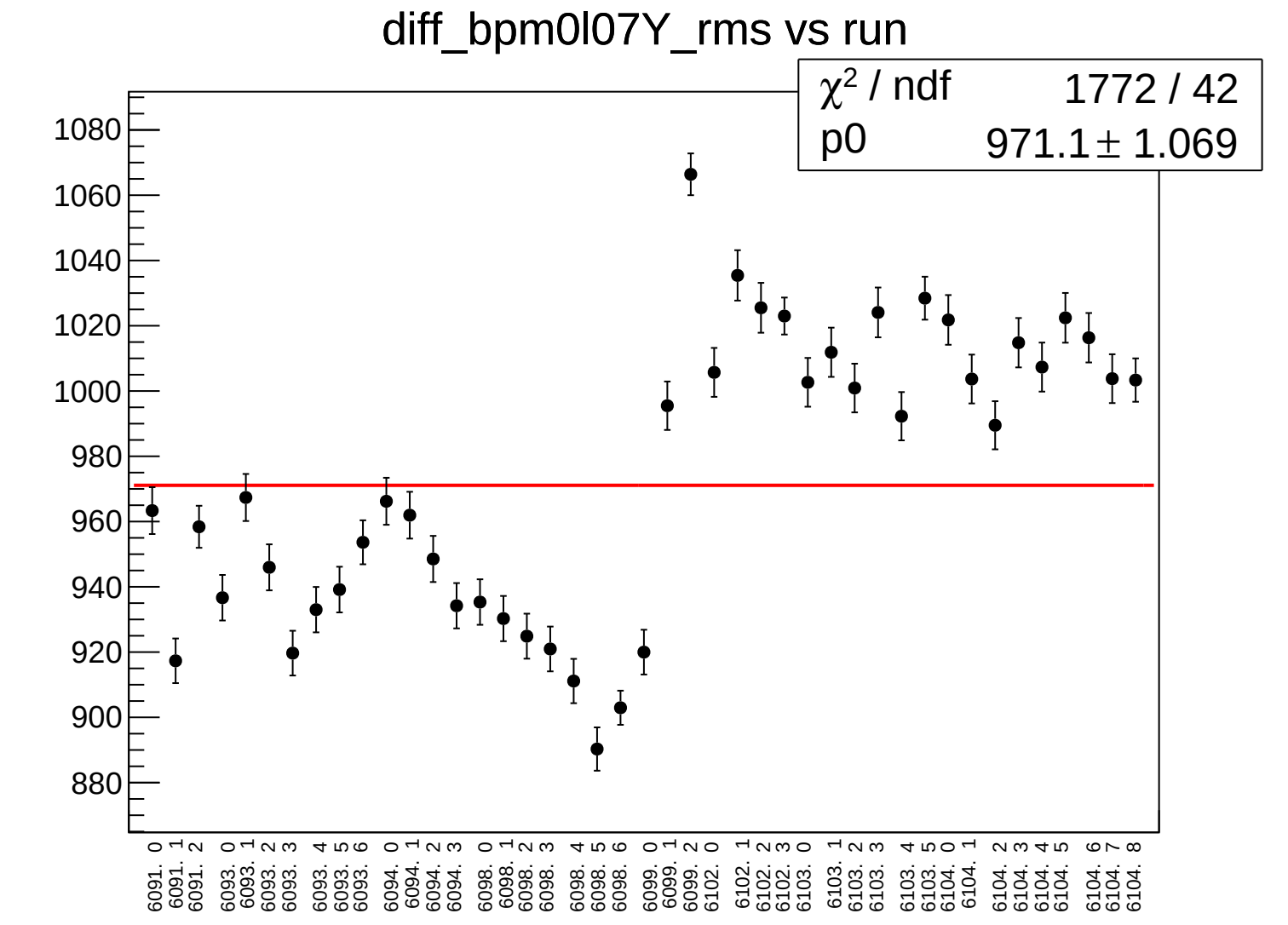

diff_bpm0l07X_mean vs run
χ² / ndf 29.29 / 42
p0 −20.4 ± 17.5
300
200
100
0
−100
−200
−300
−400
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 57.48
Std Dev 19.82
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

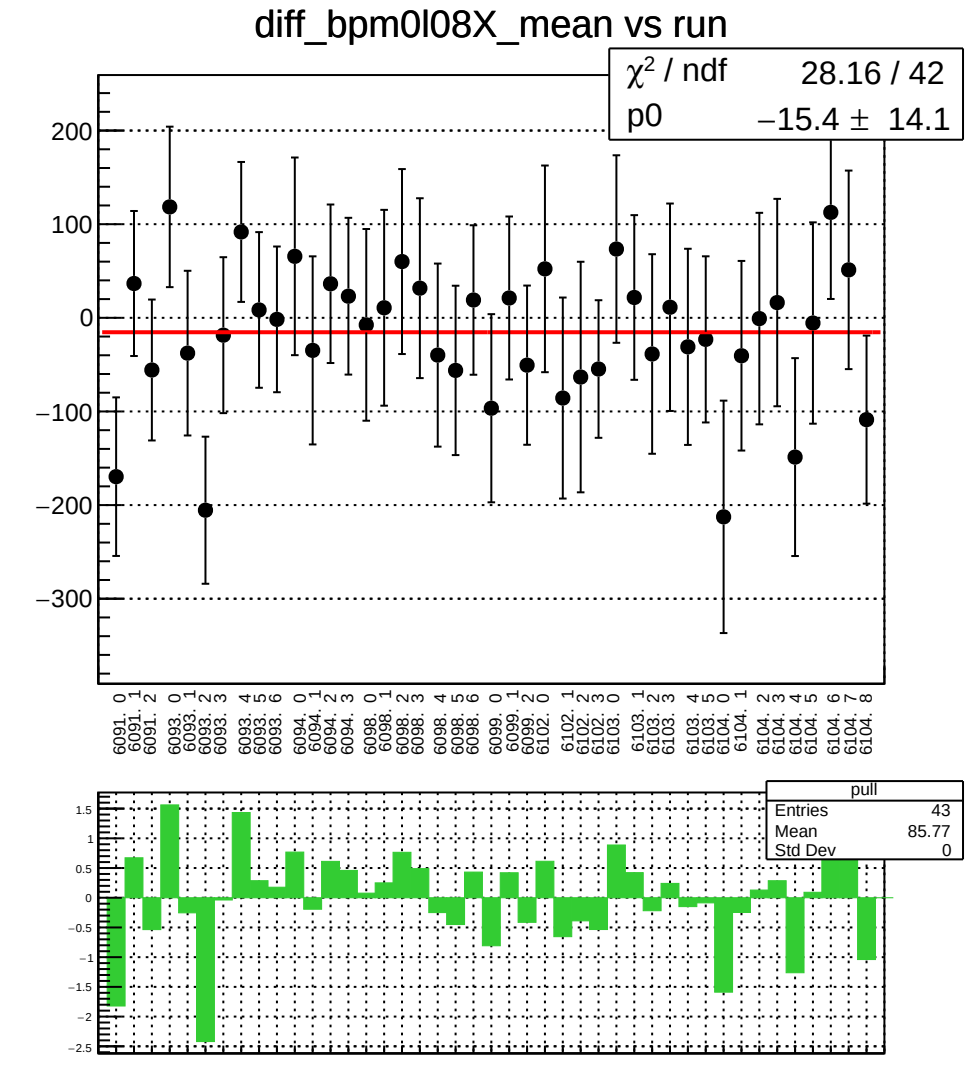

pull1D
Entries 43
Mean −0.009168
Std Dev 0.8253
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

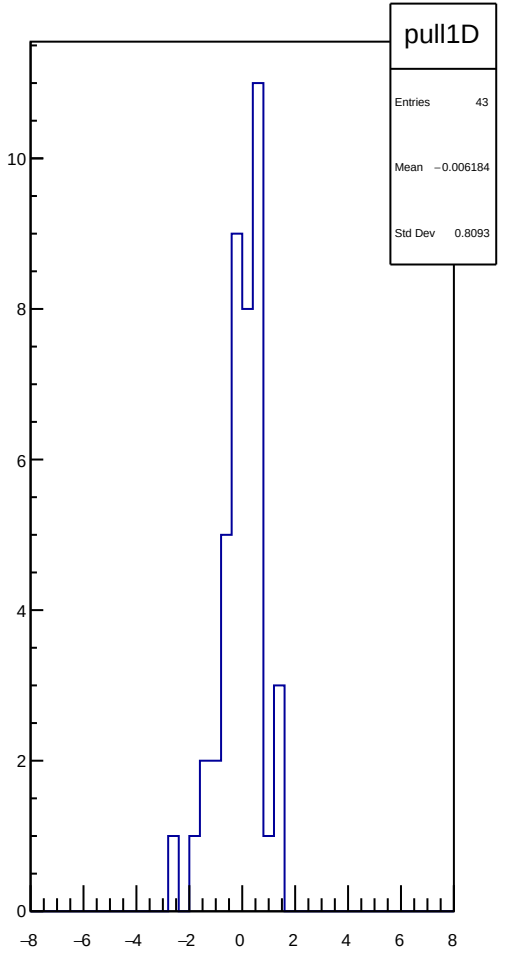

diff_bpm0l07X_rms vs run
χ² / ndf 1.275e+04 / 42
p0 1.117e+04 ± 12.37
15000
14000
13000
12000
11000
10000
9000
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

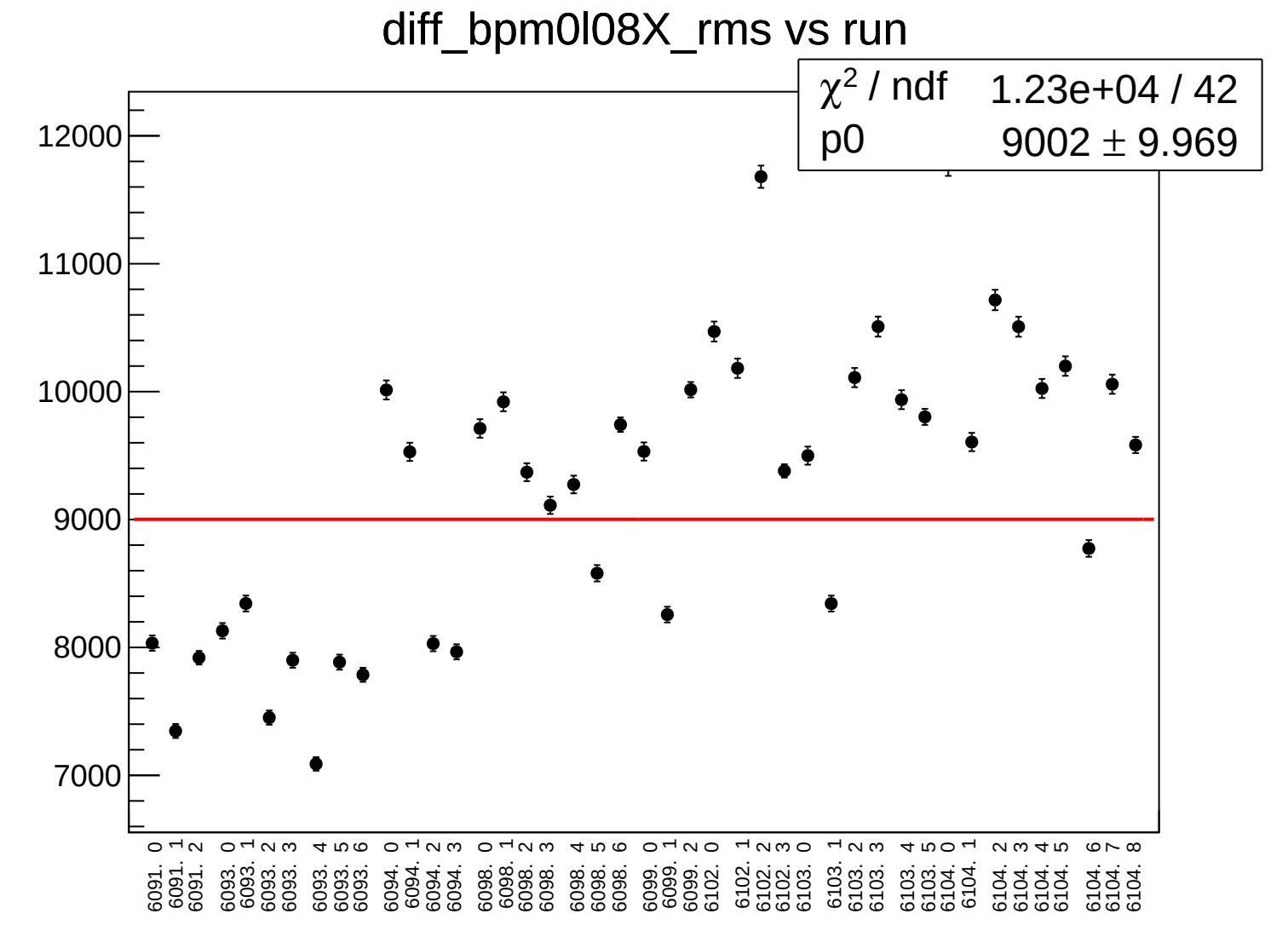

diff_bpm0l07Y_mean vs run
χ² / ndf 29.65 / 42
p0 7.438 ± 1.511
pull
Entries 43
Mean 236.2
Std Dev 0

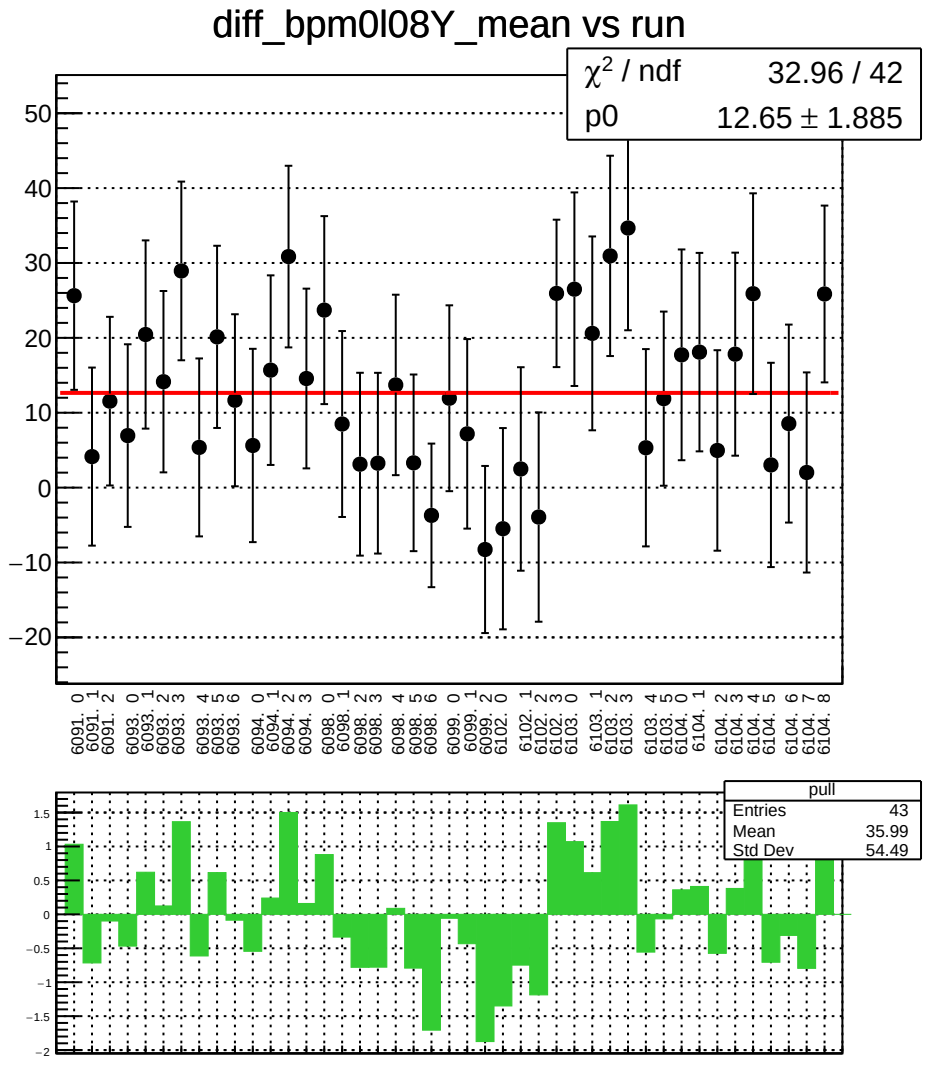

pull1D
Entries 43
Mean 0.006285
Std Dev 0.8303

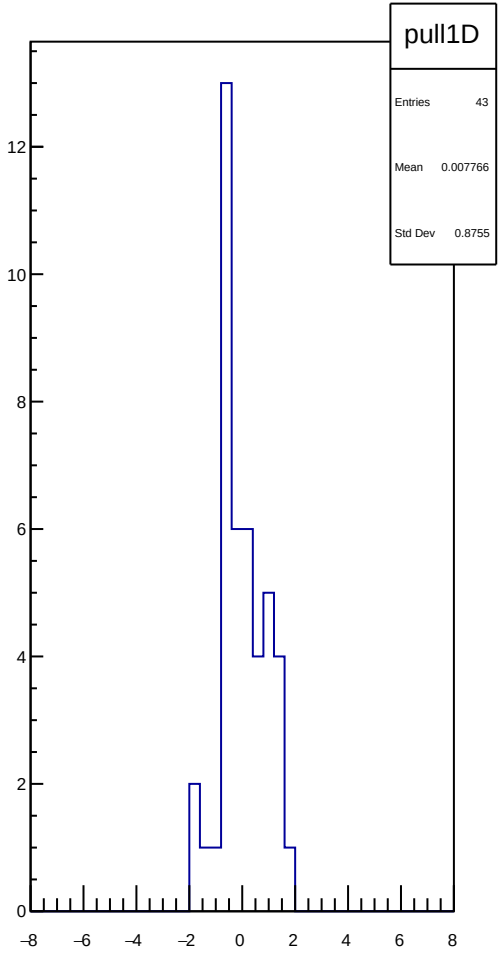

diff_bpm0l07Y_rms vs run
χ² / ndf 1772 / 42
p0 971.1 ± 1.069
1080
1060
1040
1020
1000
980
960
940
920
900
880
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

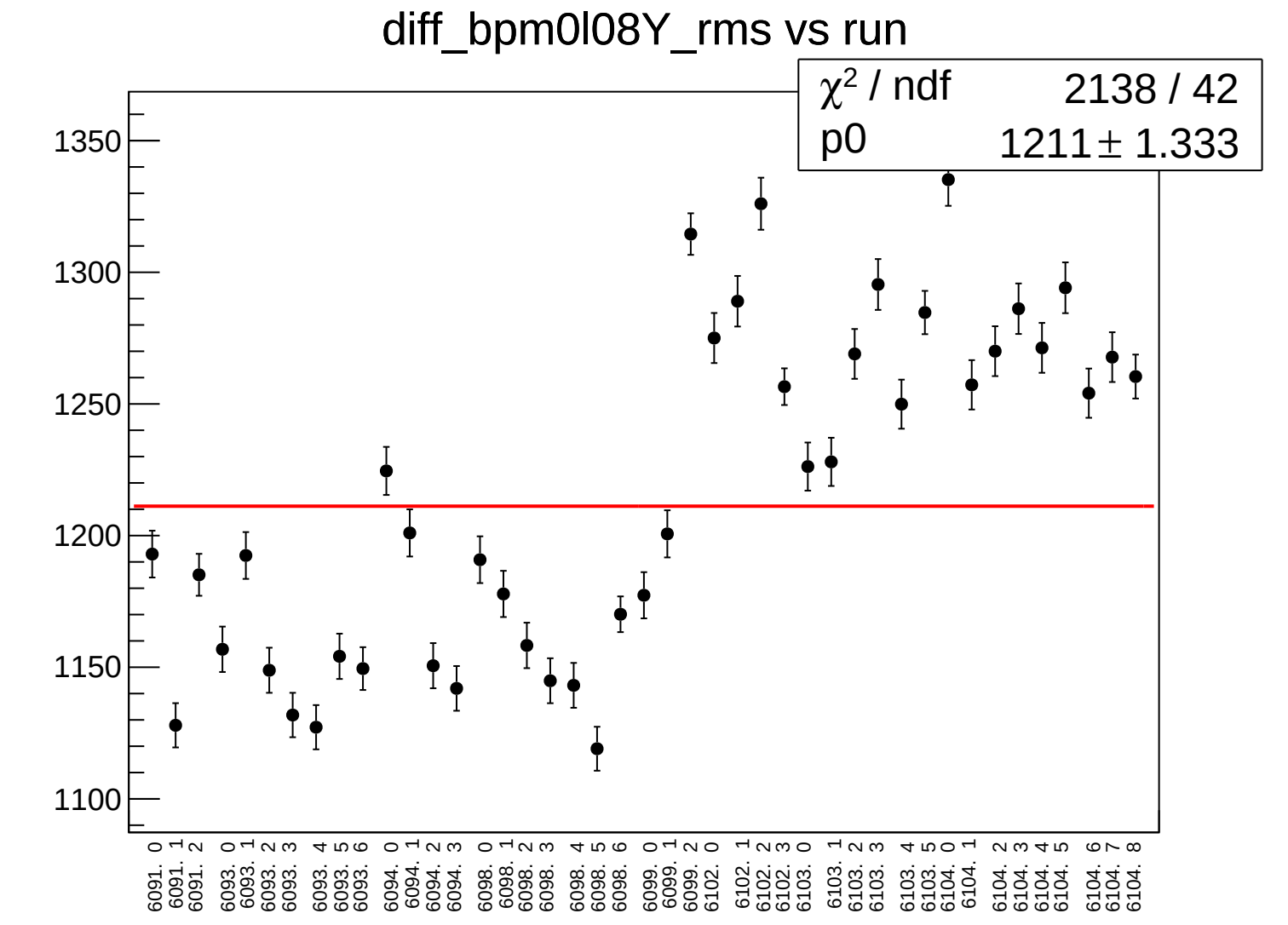

diff_bpm0l08X_mean vs run
χ² / ndf 28.16 / 42
p0 −15.4 ± 14.1
200
100
0
−100
−200
−300
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 85.77
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

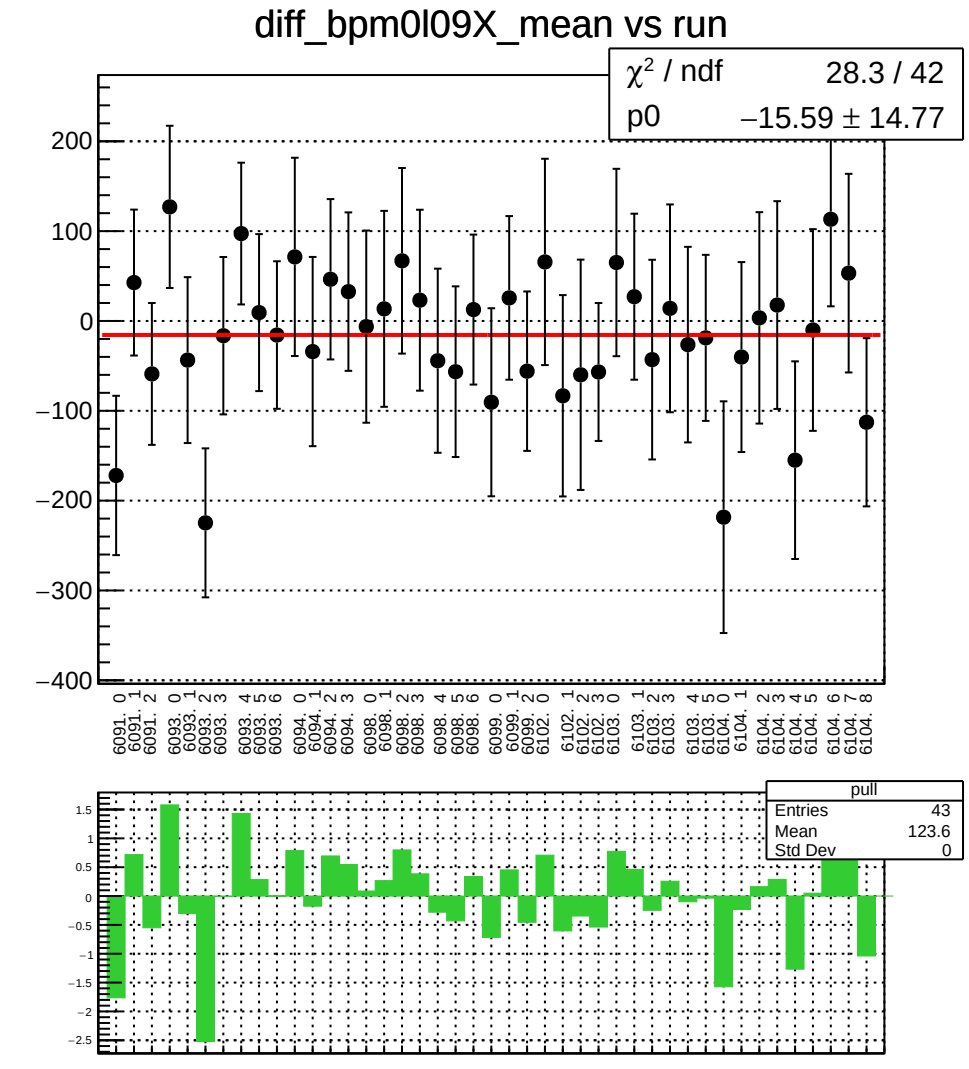

pull1D
Entries 43
Mean −0.006184
Std Dev 0.8093
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

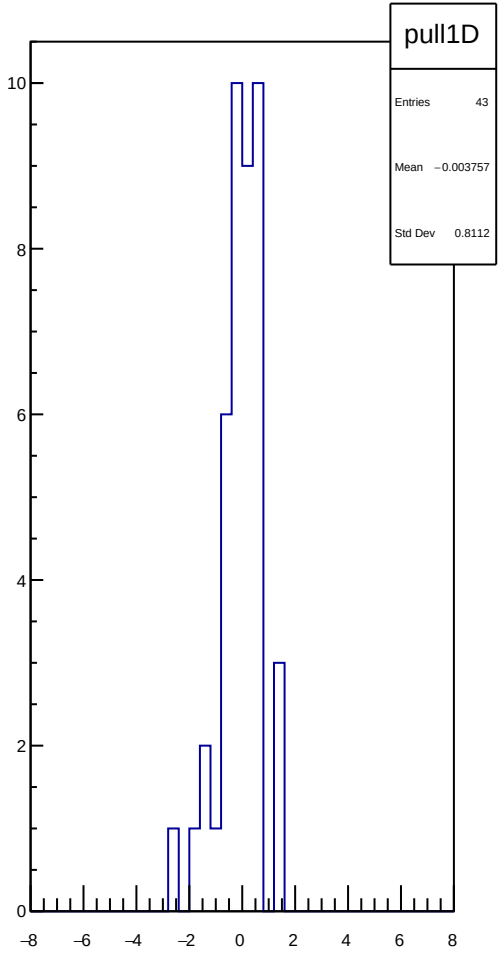

diff_bpm0l08X_rms vs run
χ² / ndf 1.23e+04 / 42
p0 9002 ± 9.969
12000
11000
10000
9000
8000
7000
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

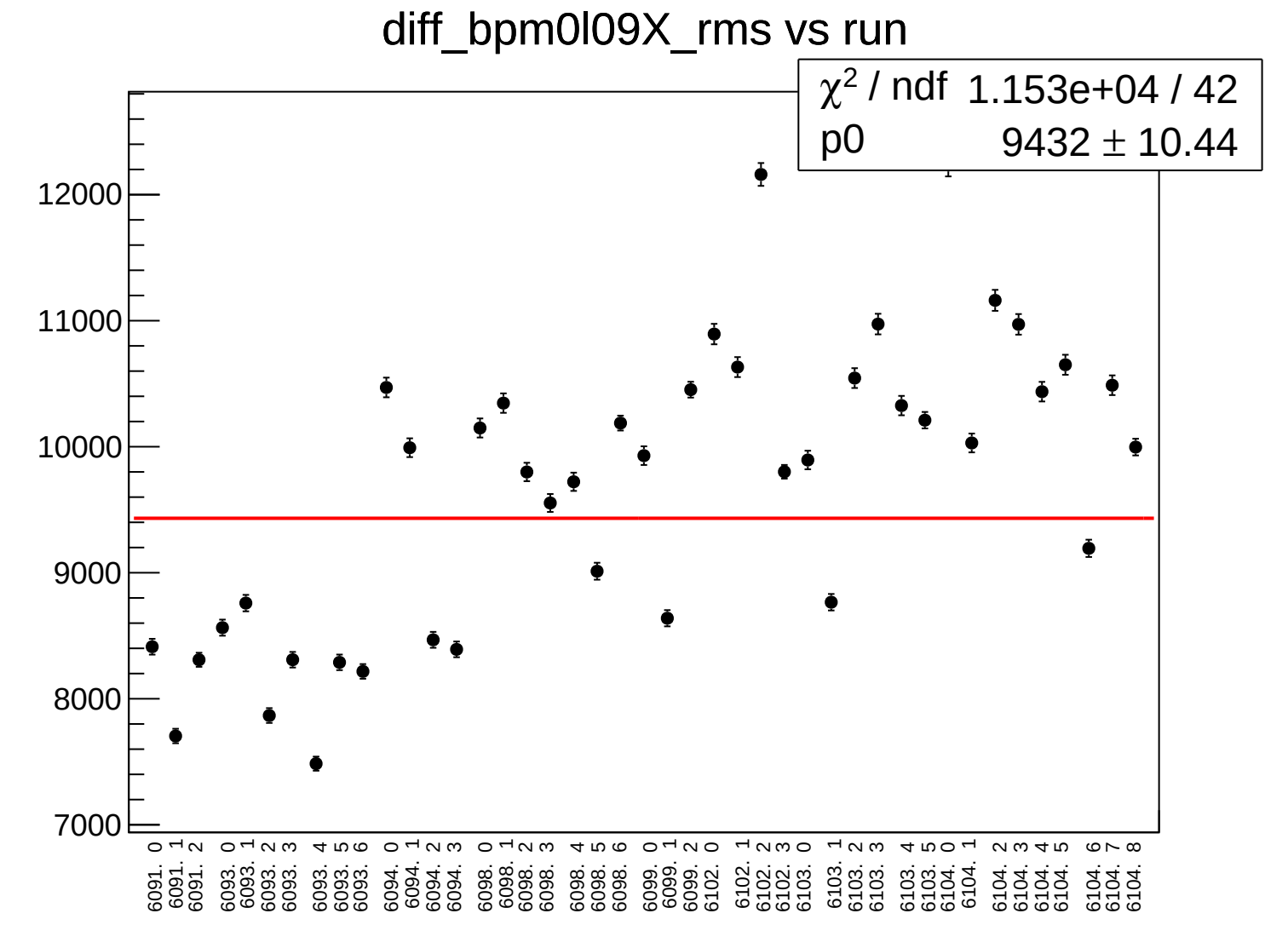

diff_bpm0l08Y_mean vs run
χ² / ndf 32.96 / 42
p0 12.65 ± 1.885
pull
Entries 43
Mean 35.99
Std Dev 54.49

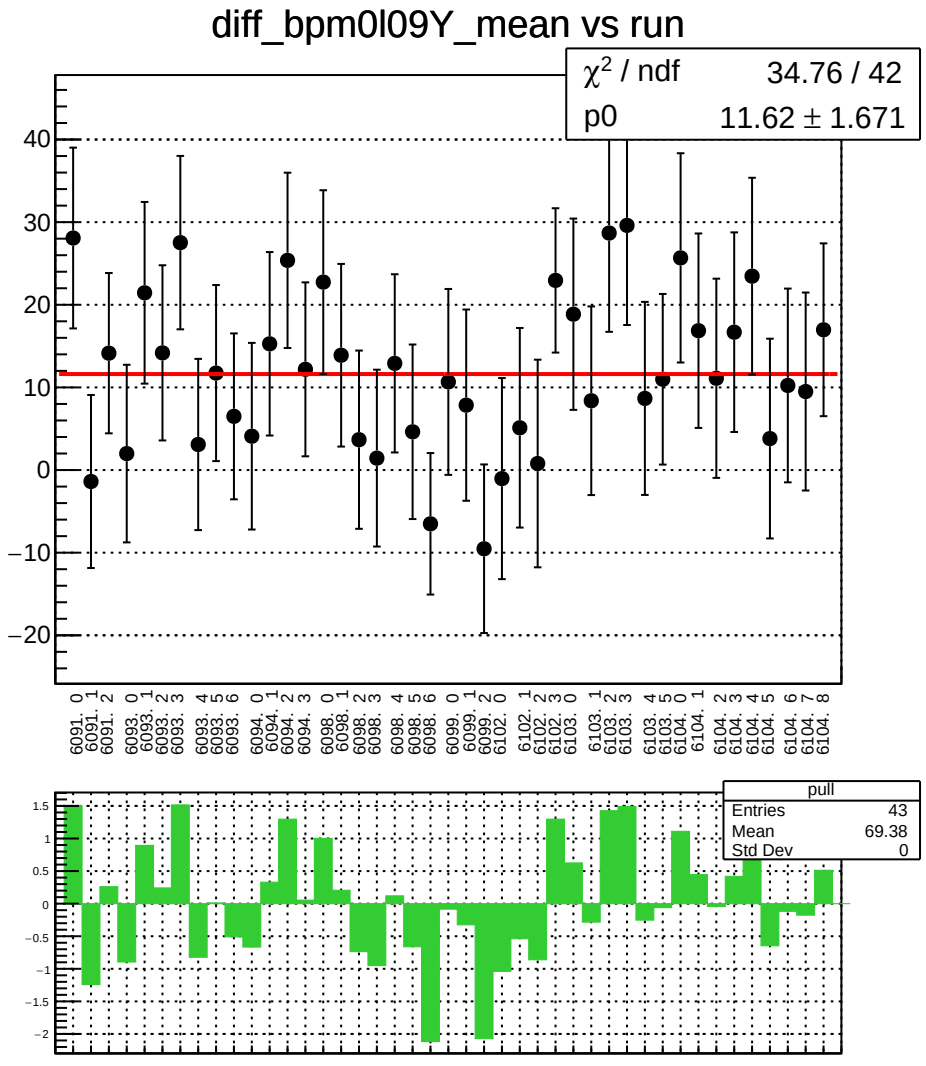

pull1D
Entries 43
Mean 0.007766
Std Dev 0.8755

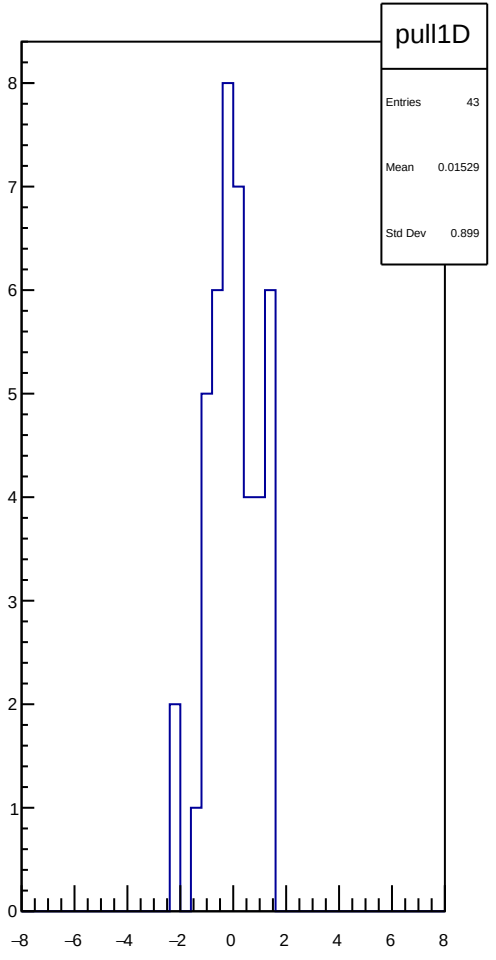

diff_bpm0l08Y_rms vs run
χ² / ndf 2138 / 42
p0 1211 ± 1.333
1350
1300
1250
1200
1150
1100
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

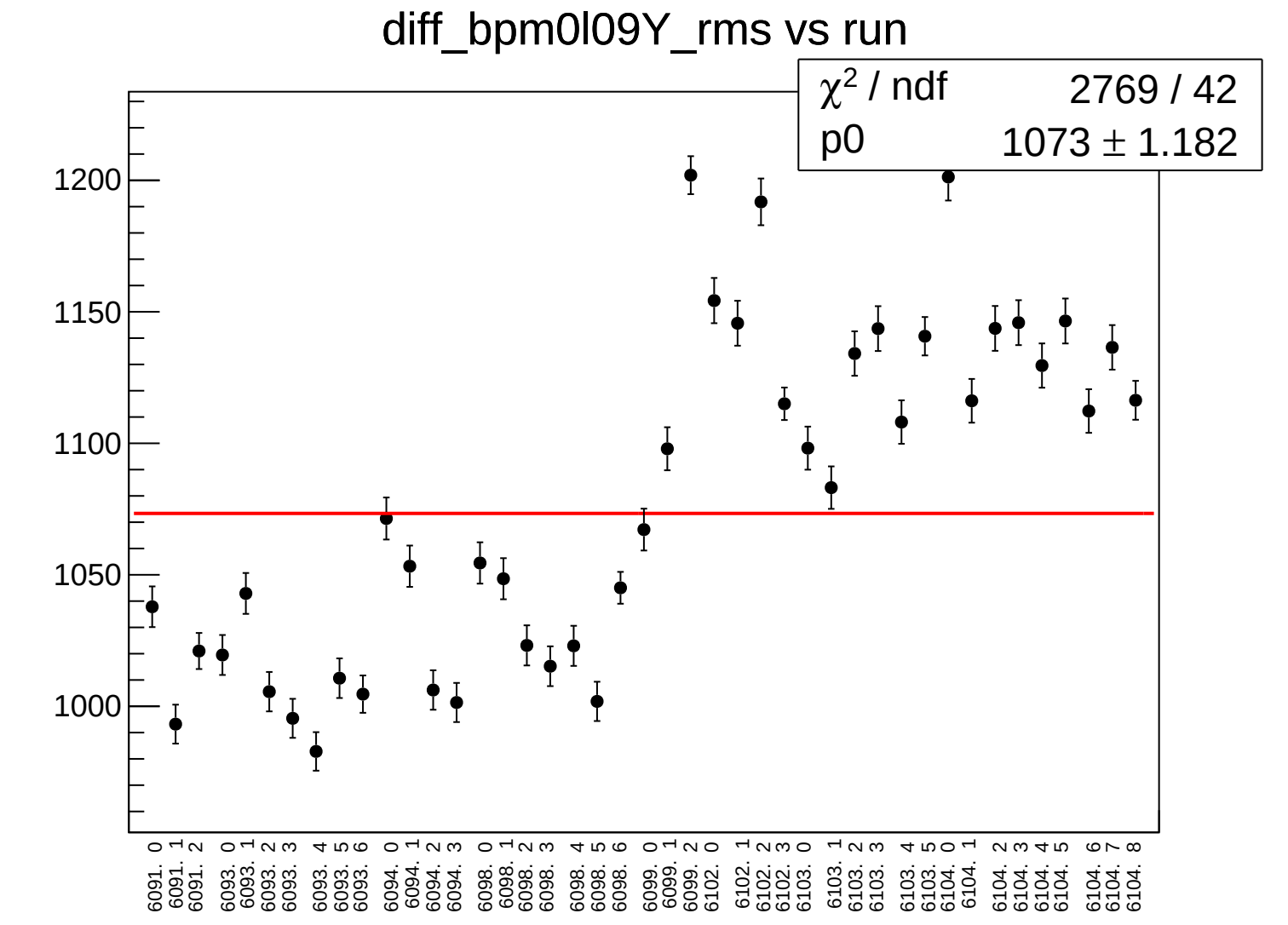

diff_bpm0l09X_mean vs run
χ² / ndf 28.3 / 42
p0 −15.59 ± 14.77
200
100
0
−100
−200
−300
−400
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 123.6
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

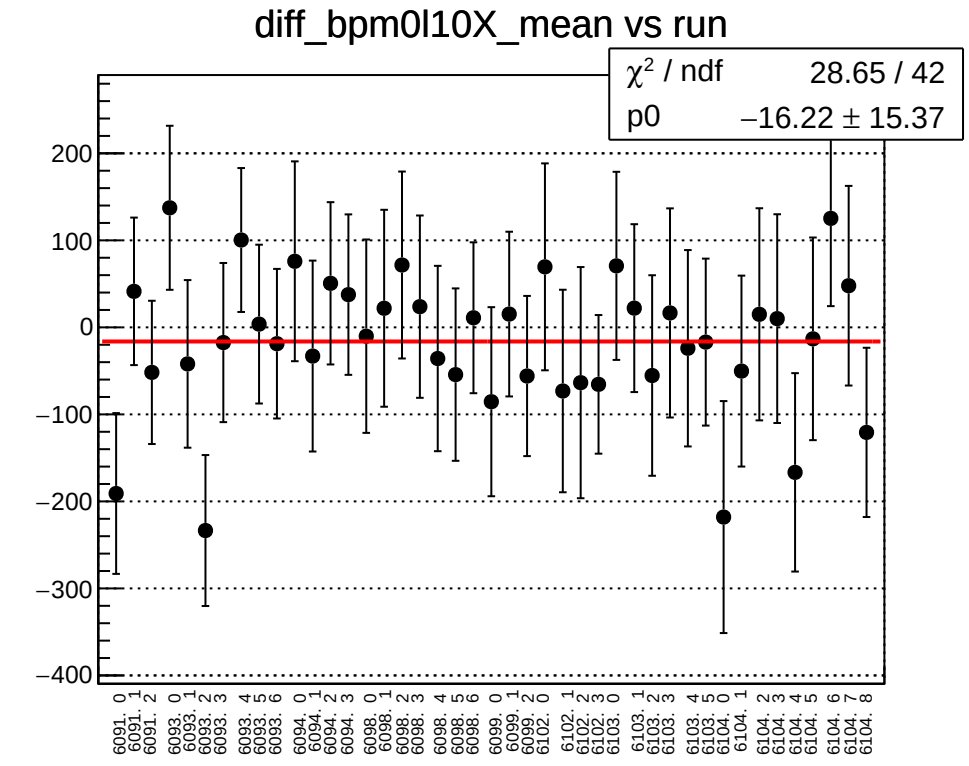

pull1D
Entries 43
Mean −0.003757
Std Dev 0.8112
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

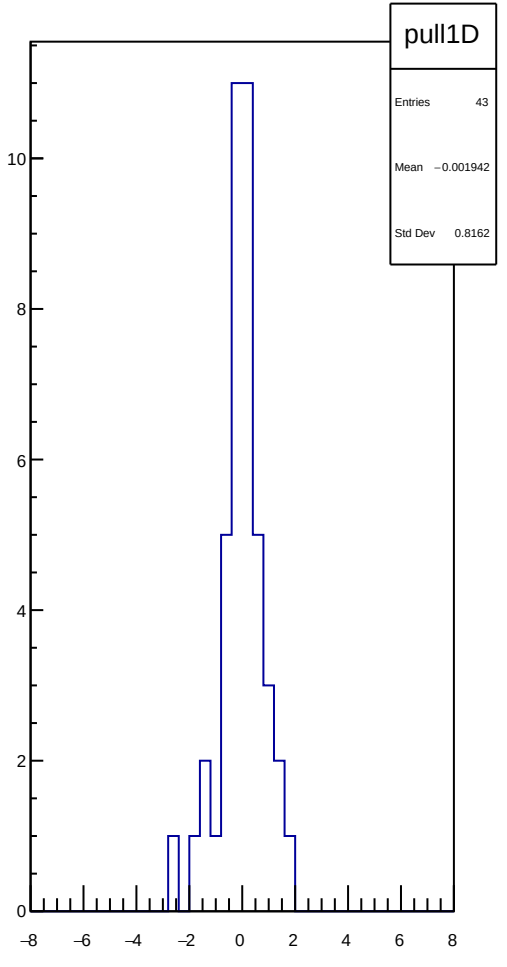

diff_bpm0l09X_rms vs run
χ² / ndf 1.153e+04 / 42
p0 9432 ± 10.44
12000
11000
10000
9000
8000
7000
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

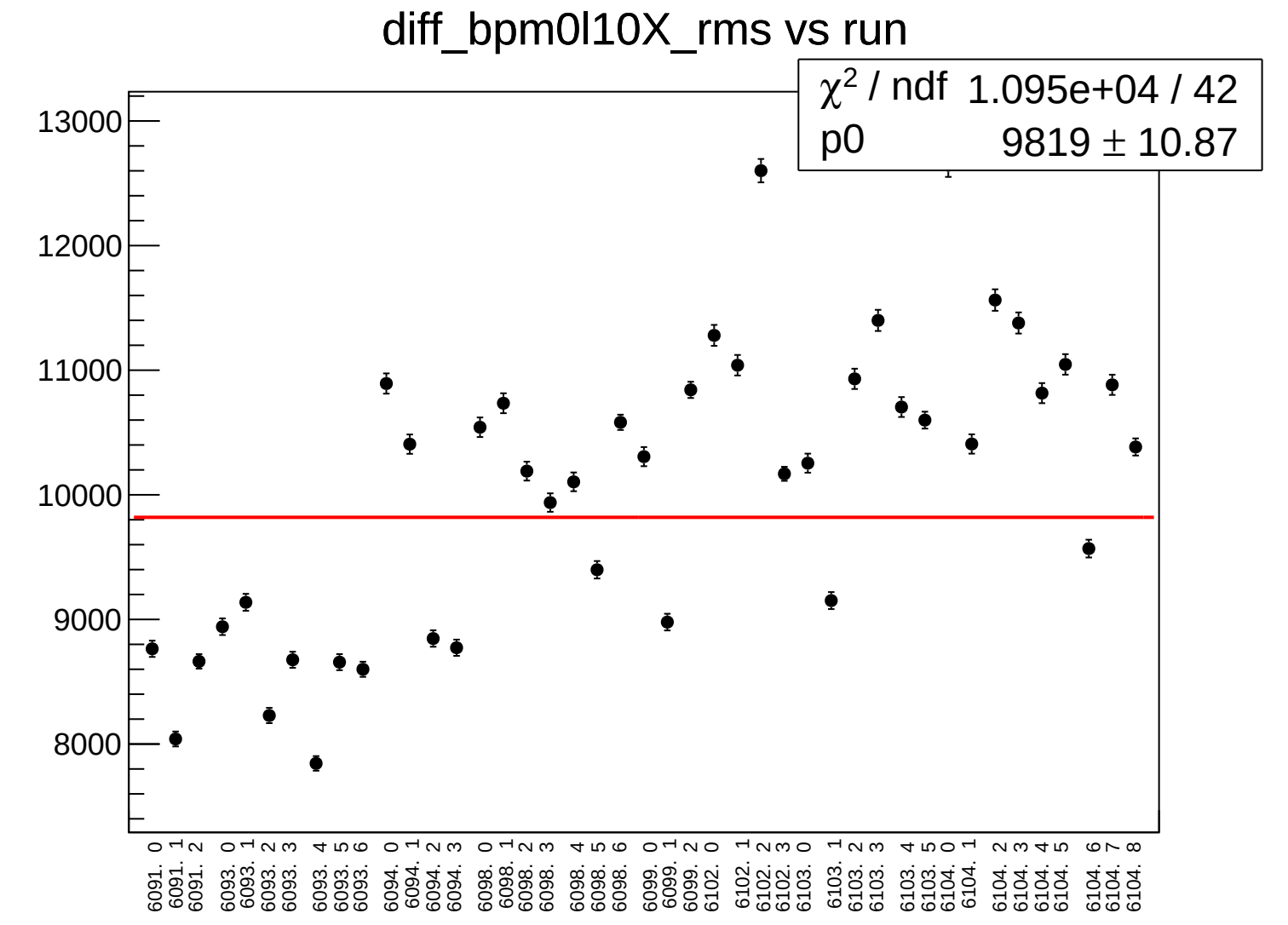

diff_bpm0l09Y_mean vs run
χ² / ndf 34.76 / 42
p0 11.62 ± 1.671
40
30
20
10
0
−10
−20
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 69.38
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2

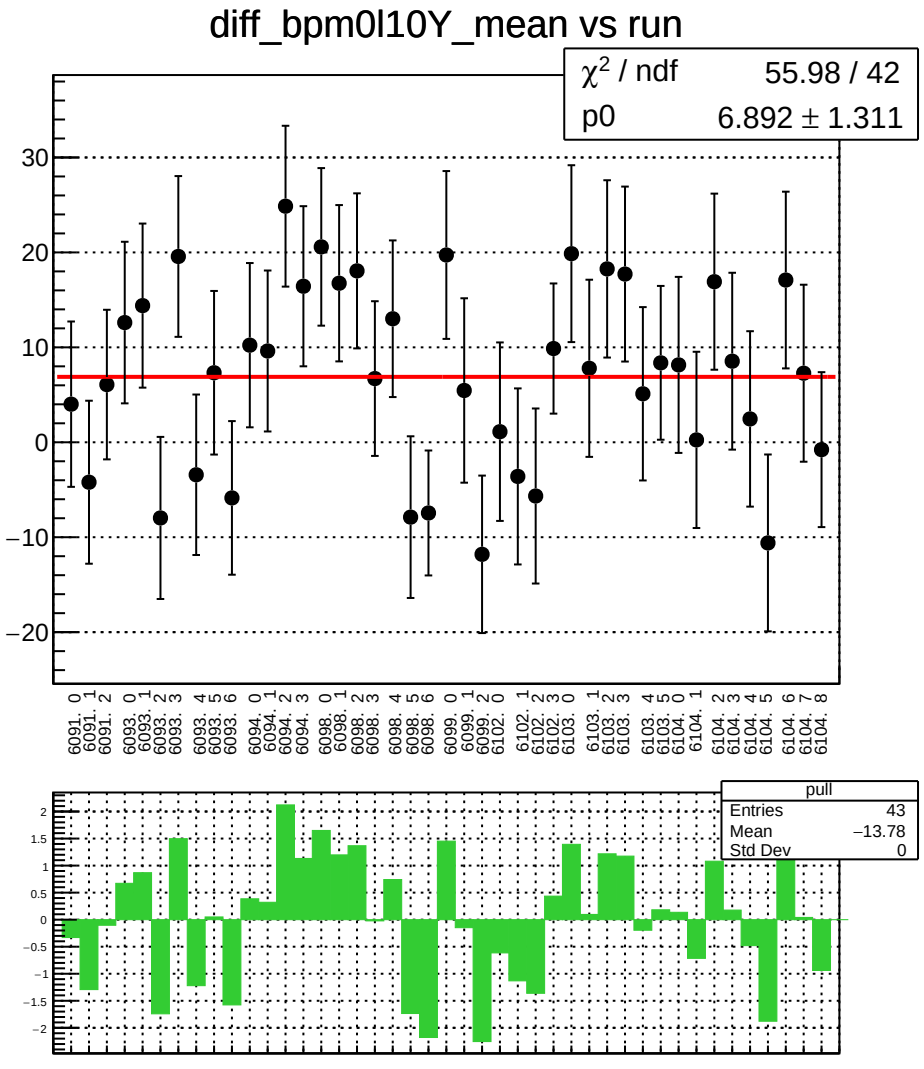

pull1D
Entries 43
Mean 0.01529
Std Dev 0.899
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

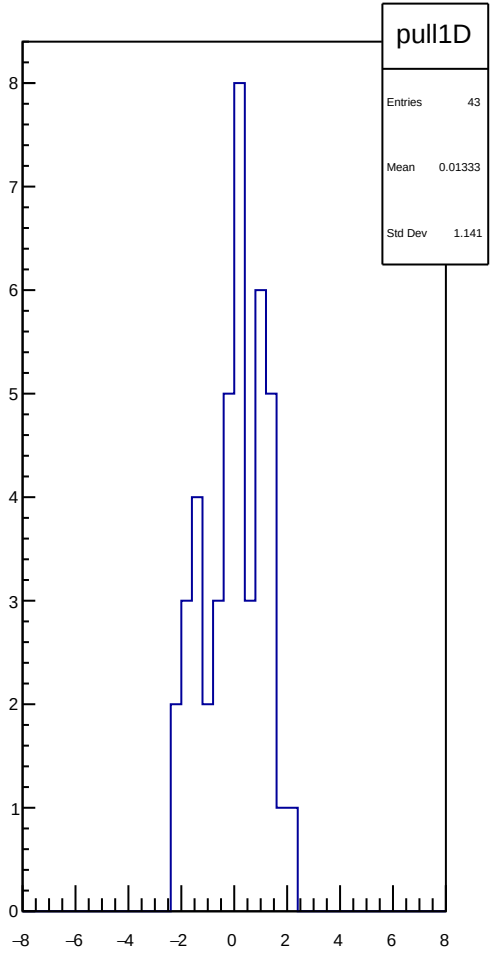

diff_bpm0l09Y_rms vs run
χ² / ndf 2769 / 42
p0 1073 ± 1.182
1200
1150
1100
1050
1000
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

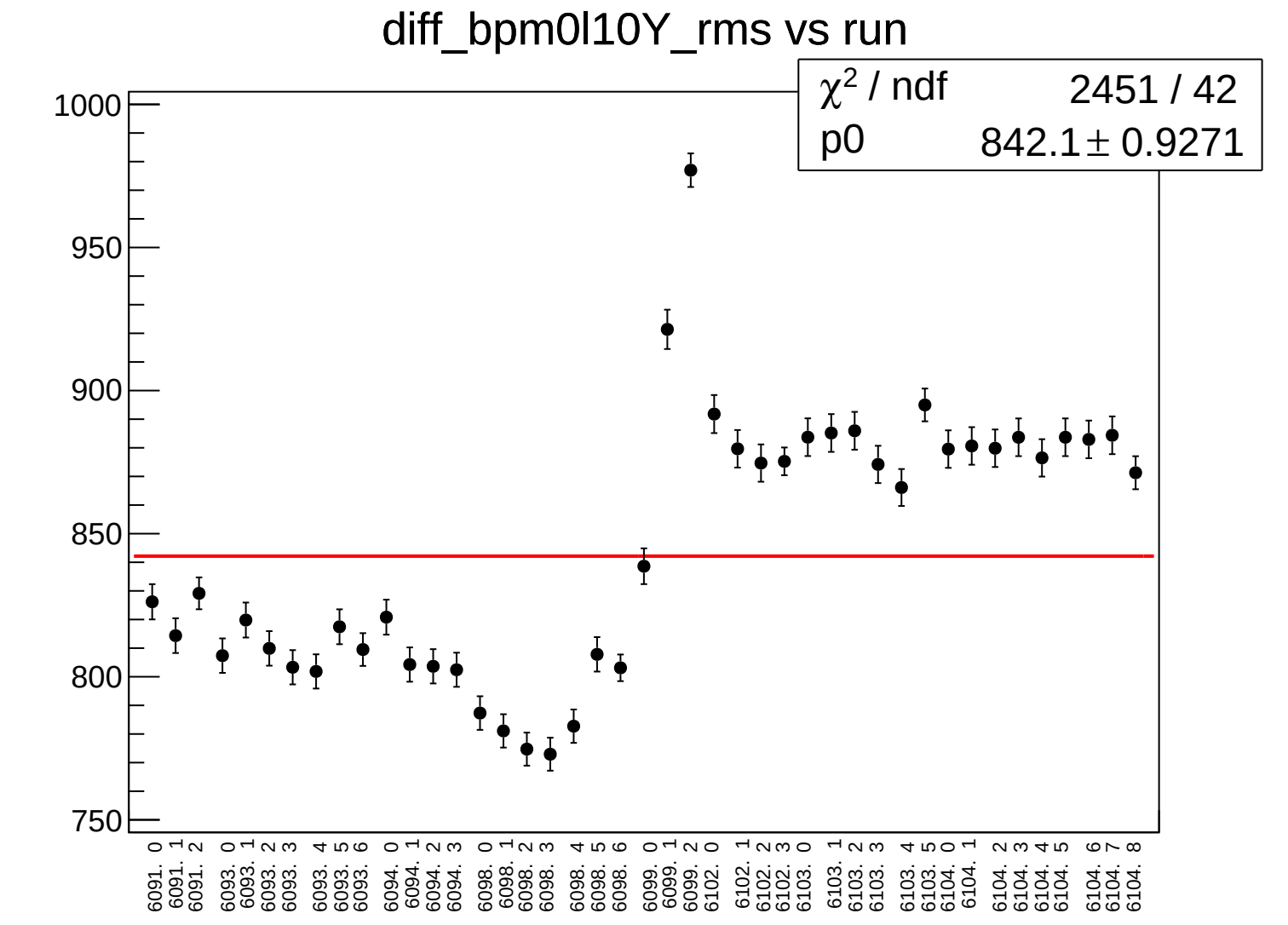

diff_bpm0l10X_mean vs run
χ² / ndf 28.65 / 42
p0 −16.22 ± 15.37
200
100
0
−100
−200
−300
−400
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 254.1
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

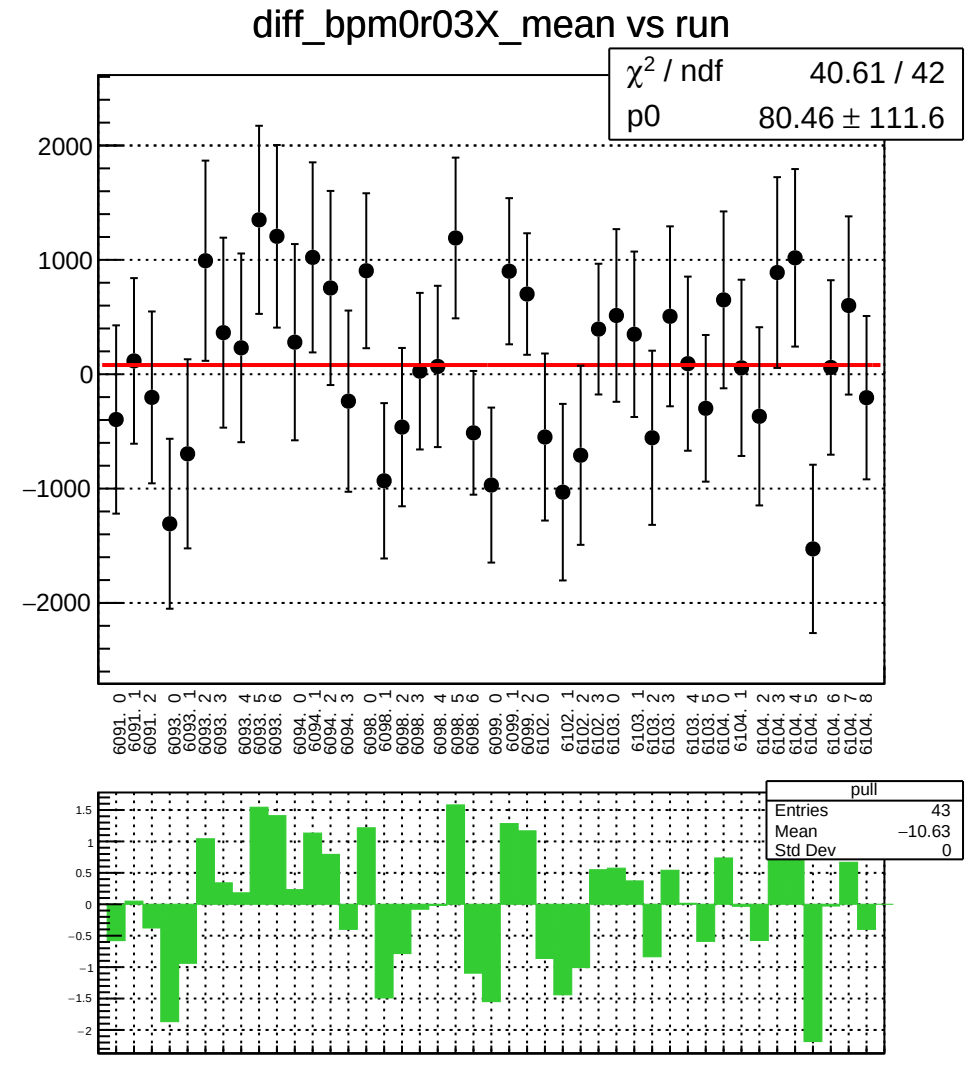

pull1D
Entries 43
Mean −0.001942
Std Dev 0.8162
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

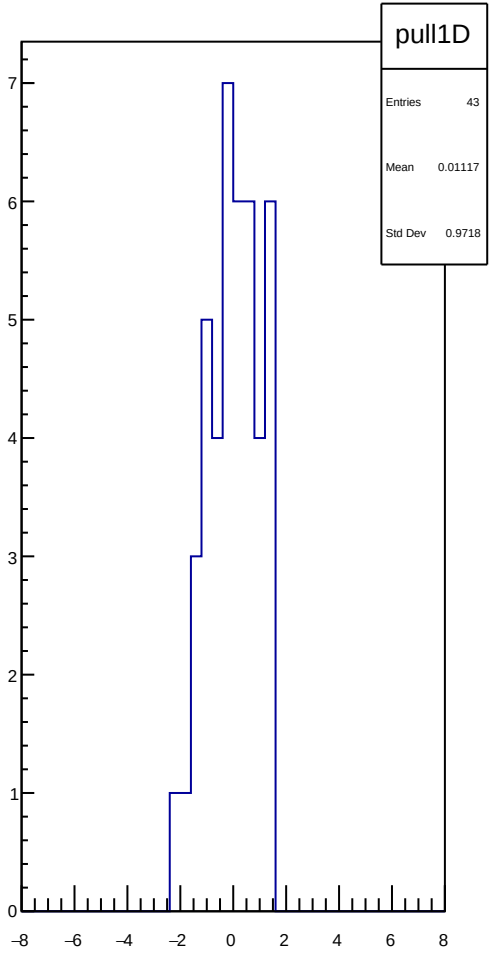

diff_bpm0l10X_rms vs run
χ² / ndf 1.095e+04 / 42
p0 9819 ± 10.87
13000
12000
11000
10000
9000
8000
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

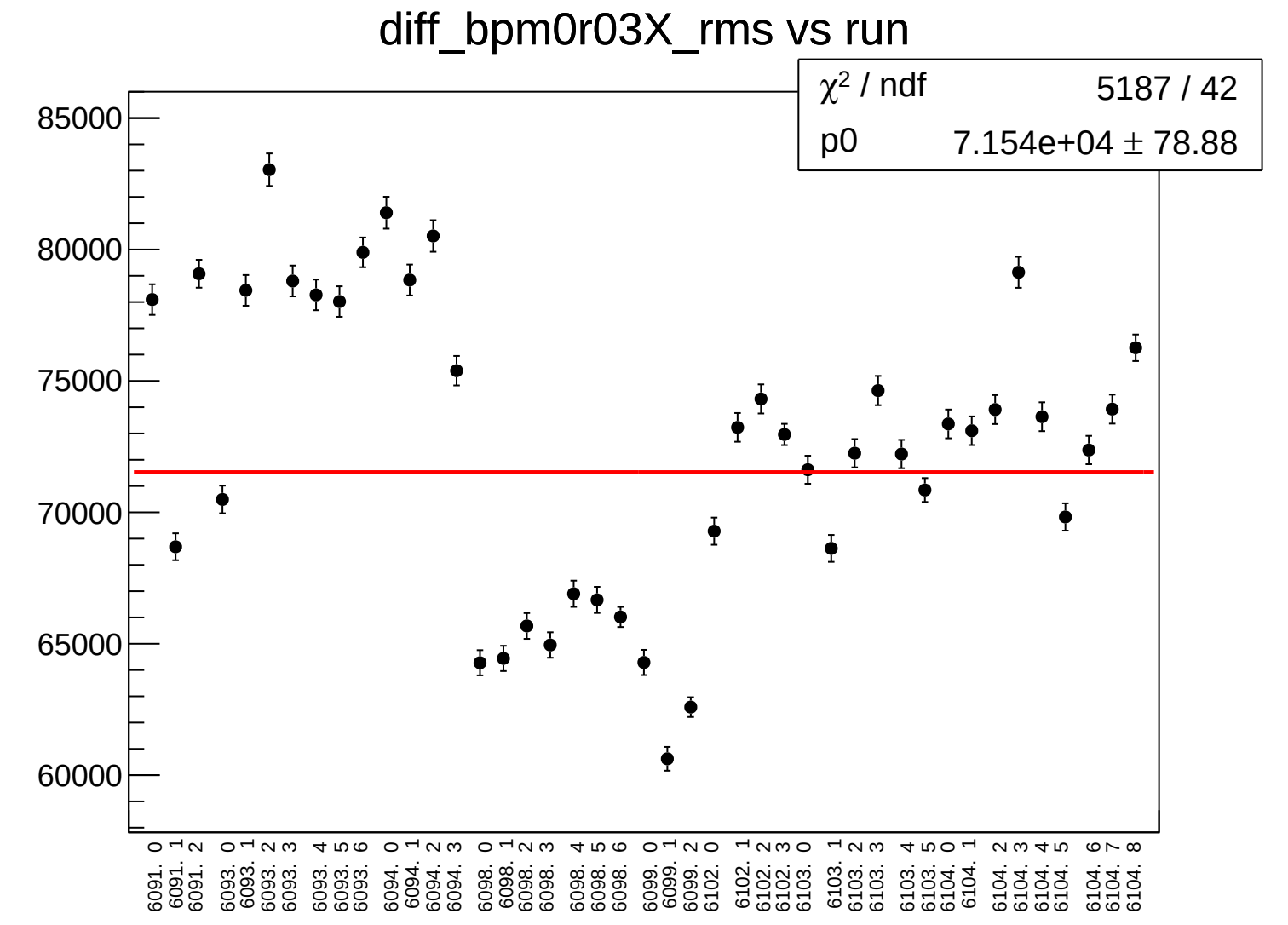

diff_bpm0l10Y_mean vs run
χ² / ndf 55.98 / 42
p0 6.892 ± 1.311
30
20
10
0
−10
−20
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean −13.78
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

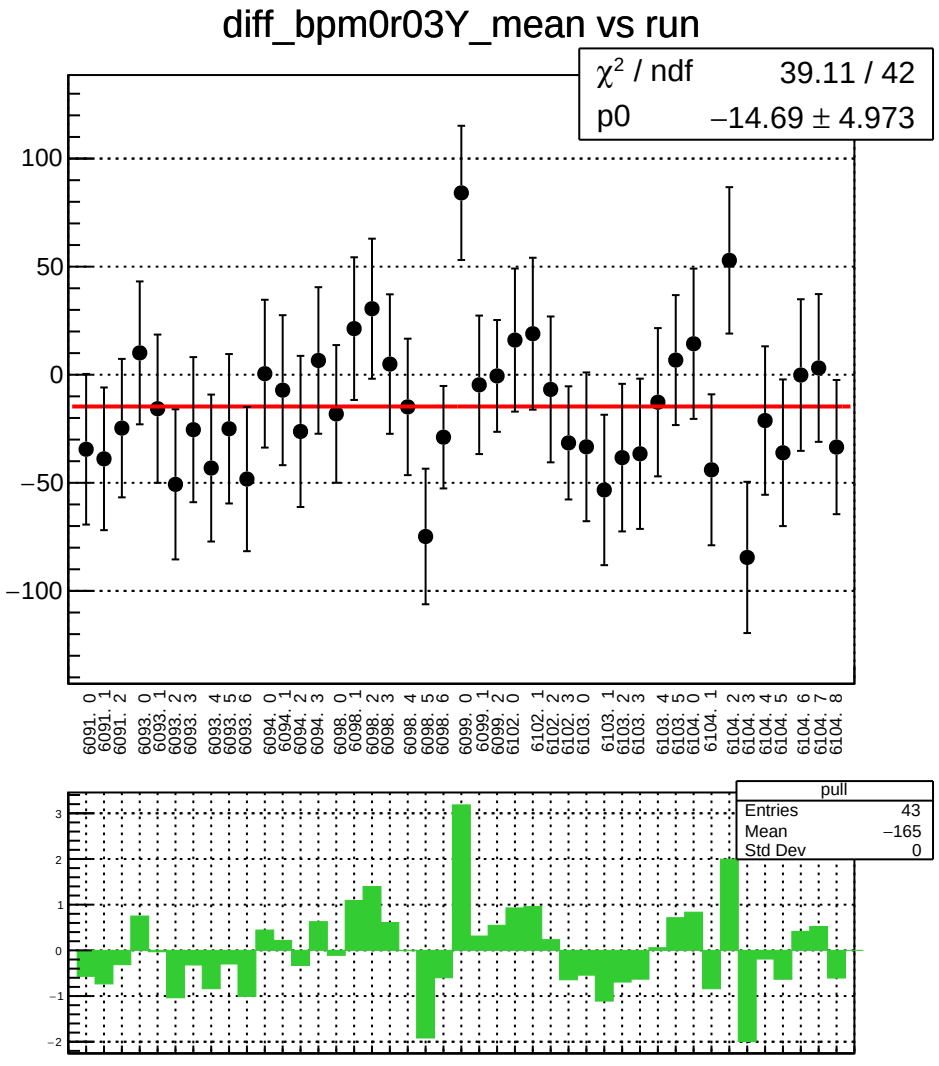

pull1D
Entries 43
Mean 0.01333
Std Dev 1.141
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

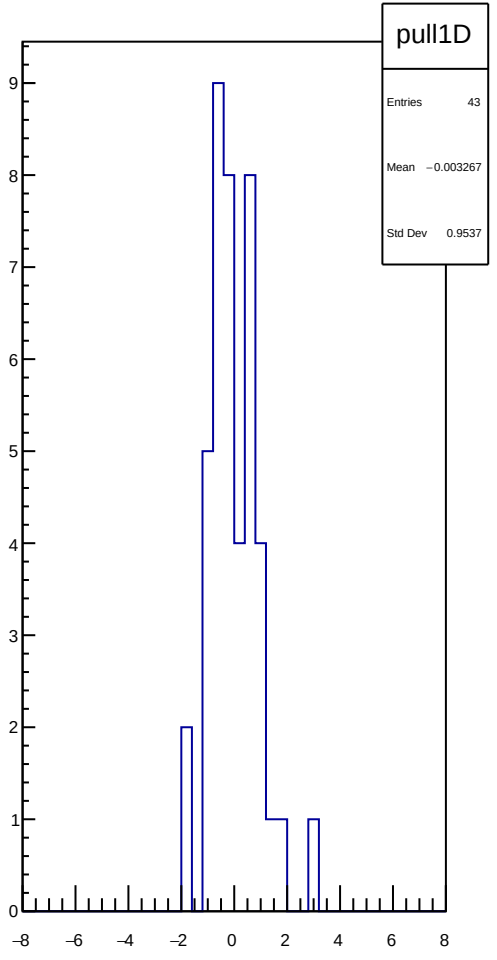

diff_bpm0l10Y_rms vs run
χ² / ndf 2451 / 42
p0 842.1 ± 0.9271
1000
950
900
850
800
750
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

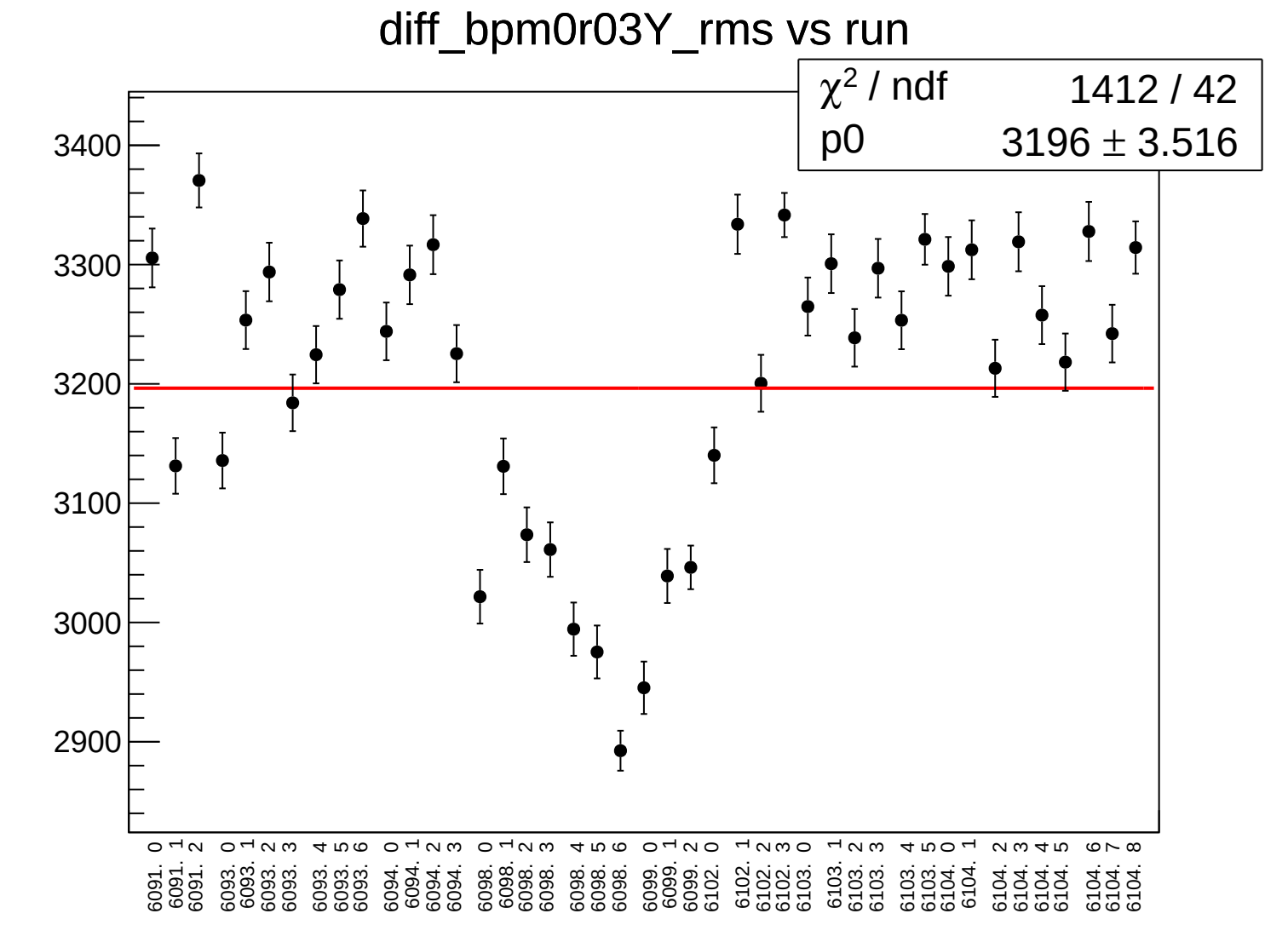

diff_bpm0r03X_mean vs run
χ^2 / ndf 40.61 / 42
p0 80.46 ± 111.6
2000
1000
0
−1000
−2000
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean −10.63
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2

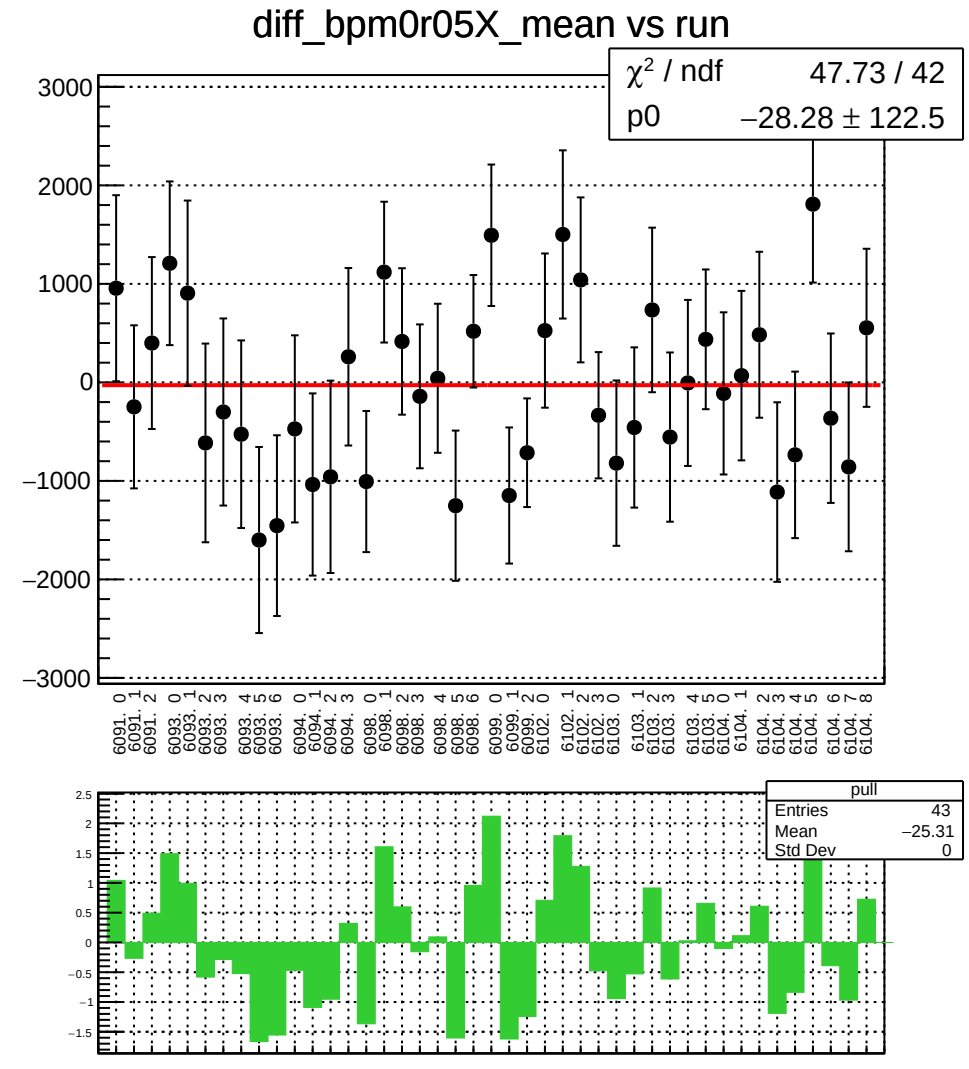

pull1D
Entries 43
Mean 0.01117
Std Dev 0.9718
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

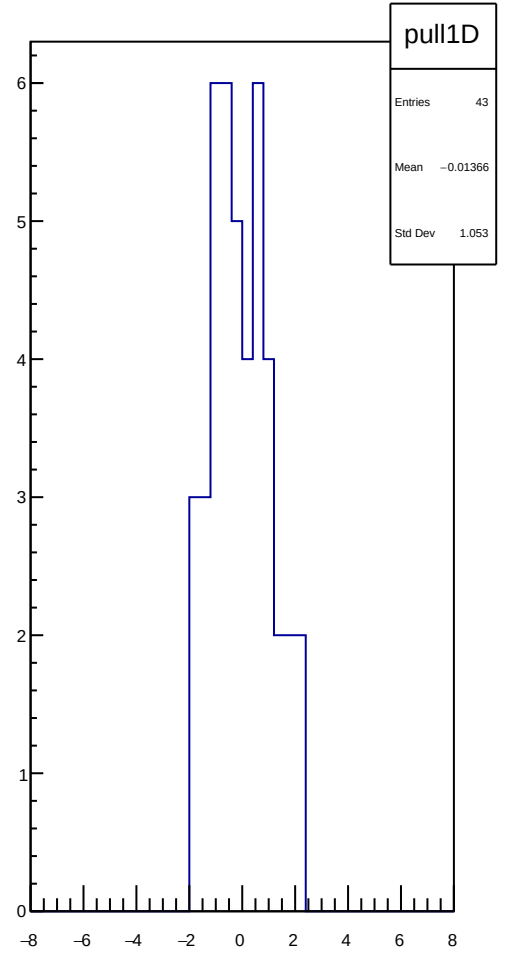

diff_bpm0r03X_rms vs run
χ² / ndf 5187 / 42
p0 7.154e+04 ± 78.88
85000
80000
75000
70000
65000
60000
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

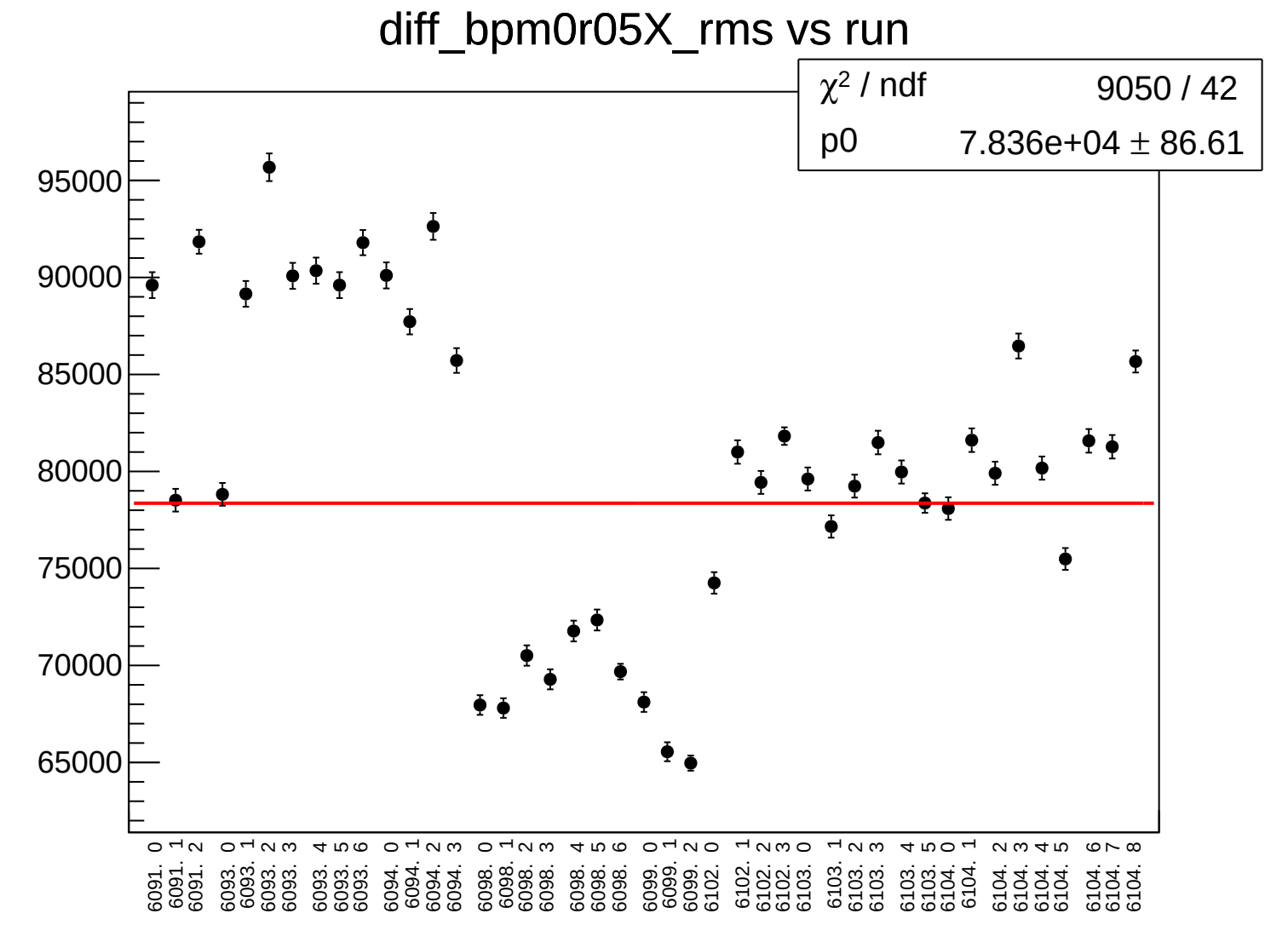

diff_bpm0r03Y_mean vs run
χ² / ndf 39.11 / 42
p0 −14.69 ± 4.973
100
50
0
−50
−100
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean −165
Std Dev 0
3
2
1
0
−1
−2

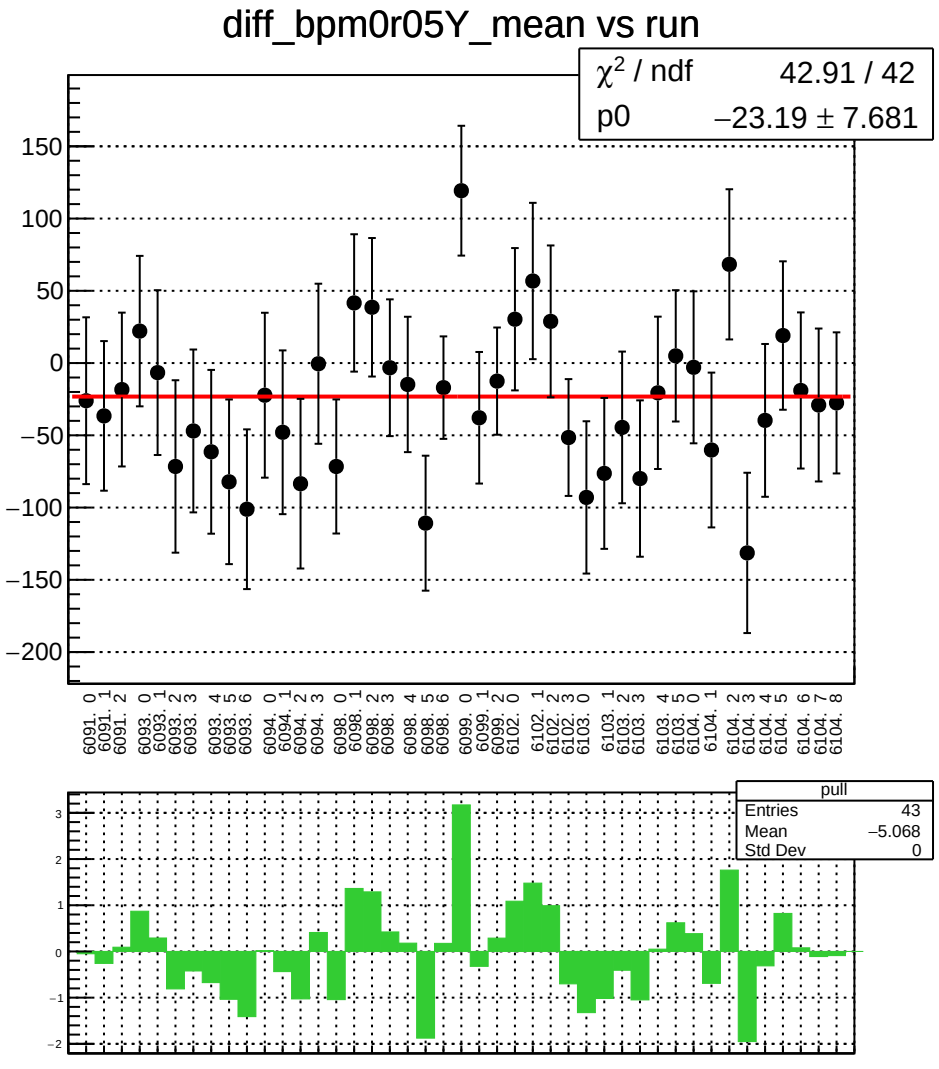

pull1D
Entries 43
Mean −0.003267
Std Dev 0.9537
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

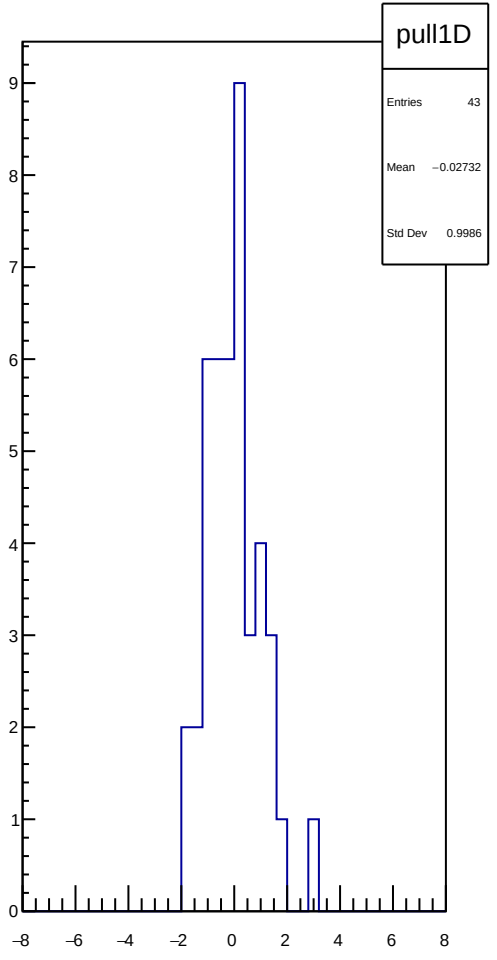

diff_bpm0r03Y_rms vs run
χ² / ndf 1412 / 42
p0 3196 ± 3.516
3400
3300
3200
3100
3000
2900
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

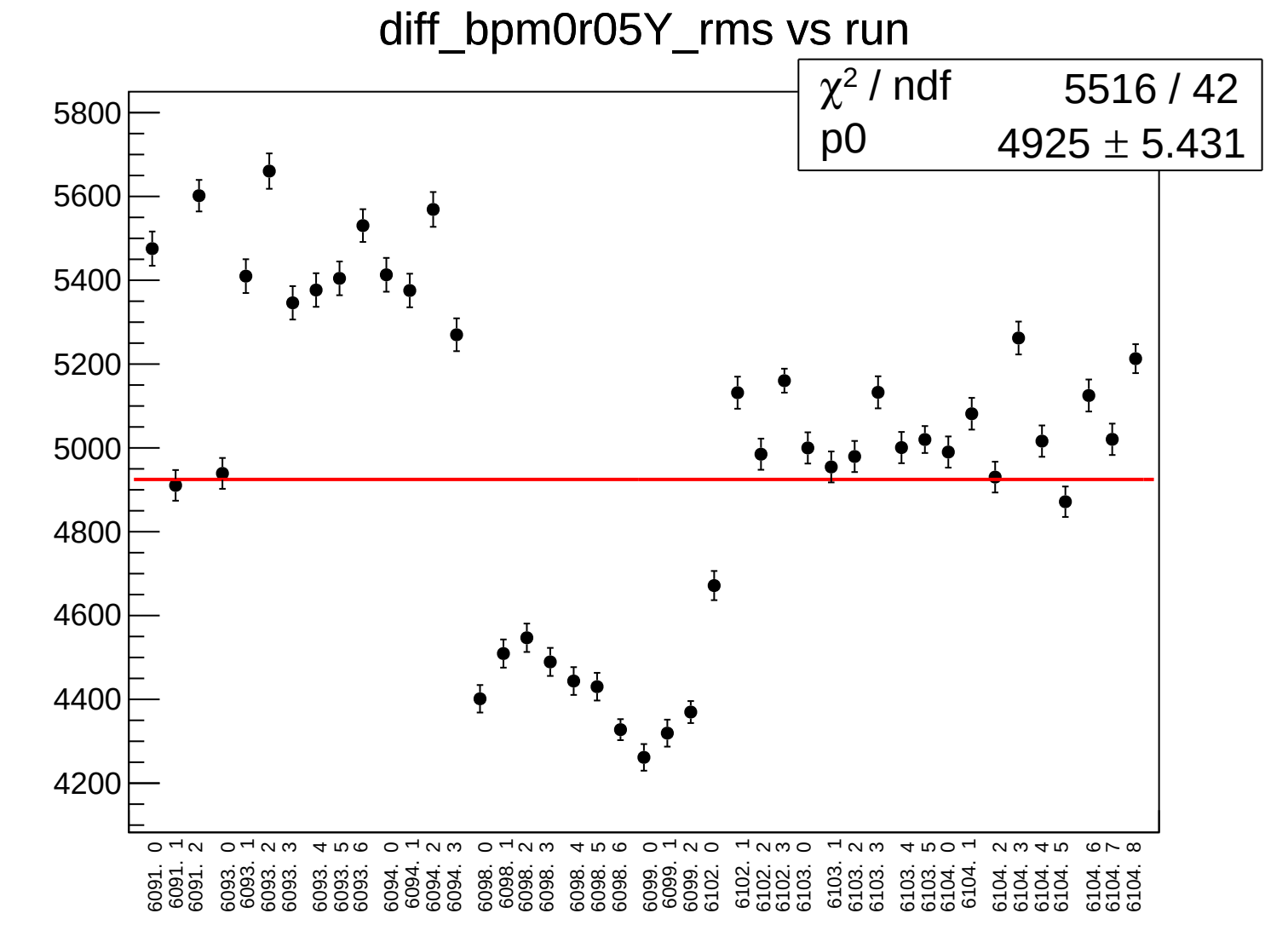

diff_bpm0r05X_mean vs run
χ² / ndf 47.73 / 42
p0 −28.28 ± 122.5
3000
2000
1000
0
−1000
−2000
−3000
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean −25.31
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5

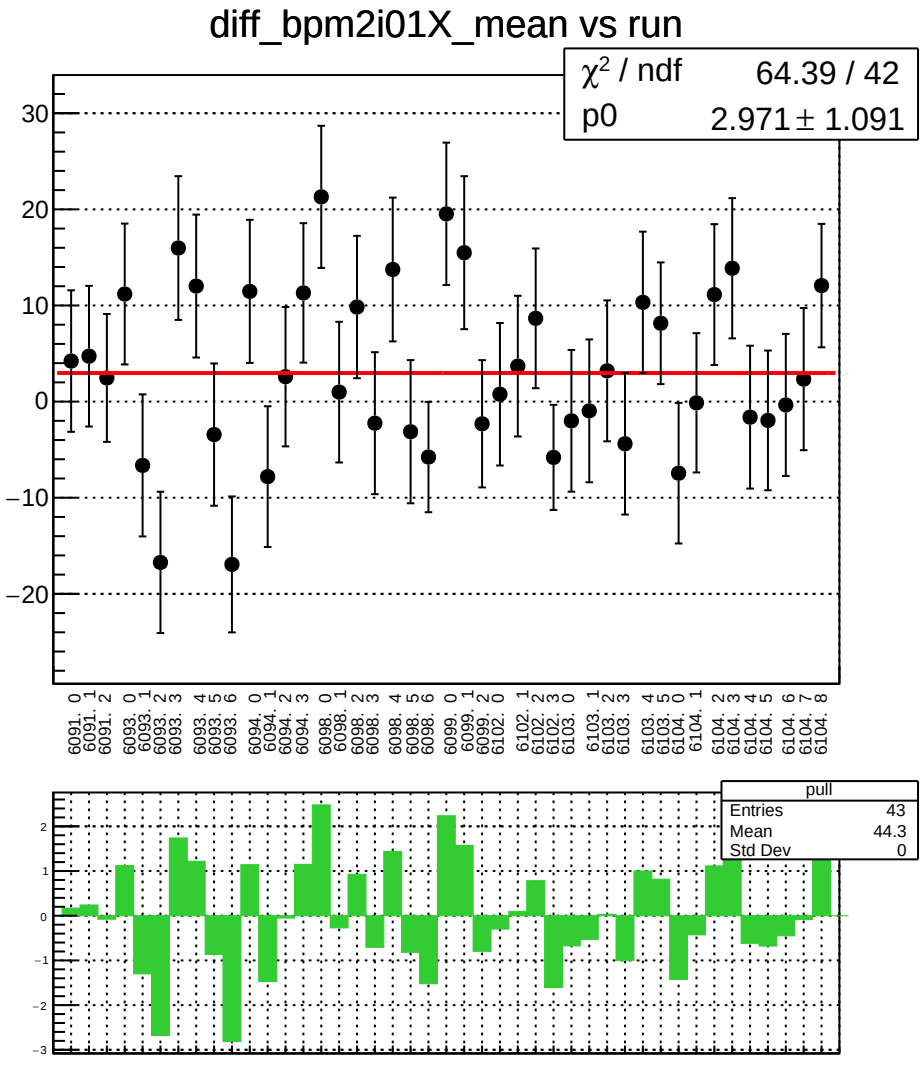

pull1D
Entries 43
Mean −0.01366
Std Dev 1.053
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

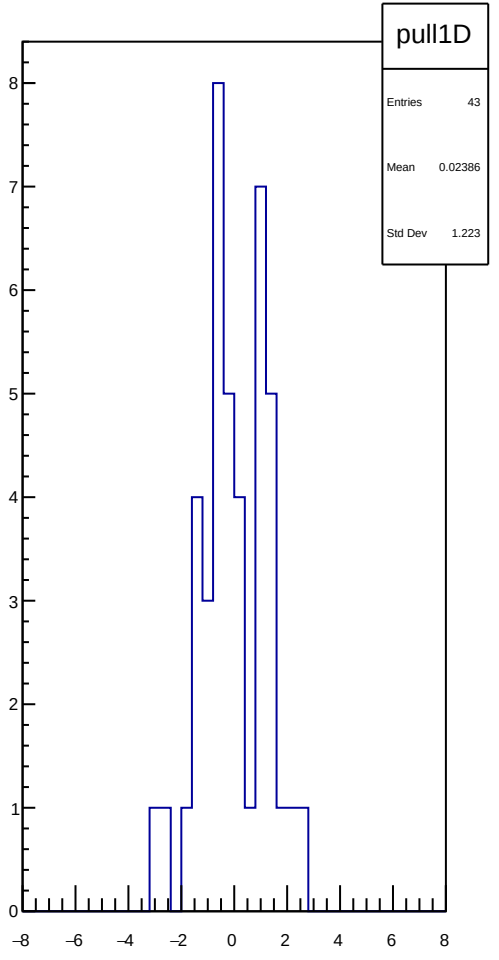

diff_bpm0r05X_rms vs run
χ² / ndf 9050 / 42
p0 7.836e+04 ± 86.61
95000
90000
85000
80000
75000
70000
65000
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

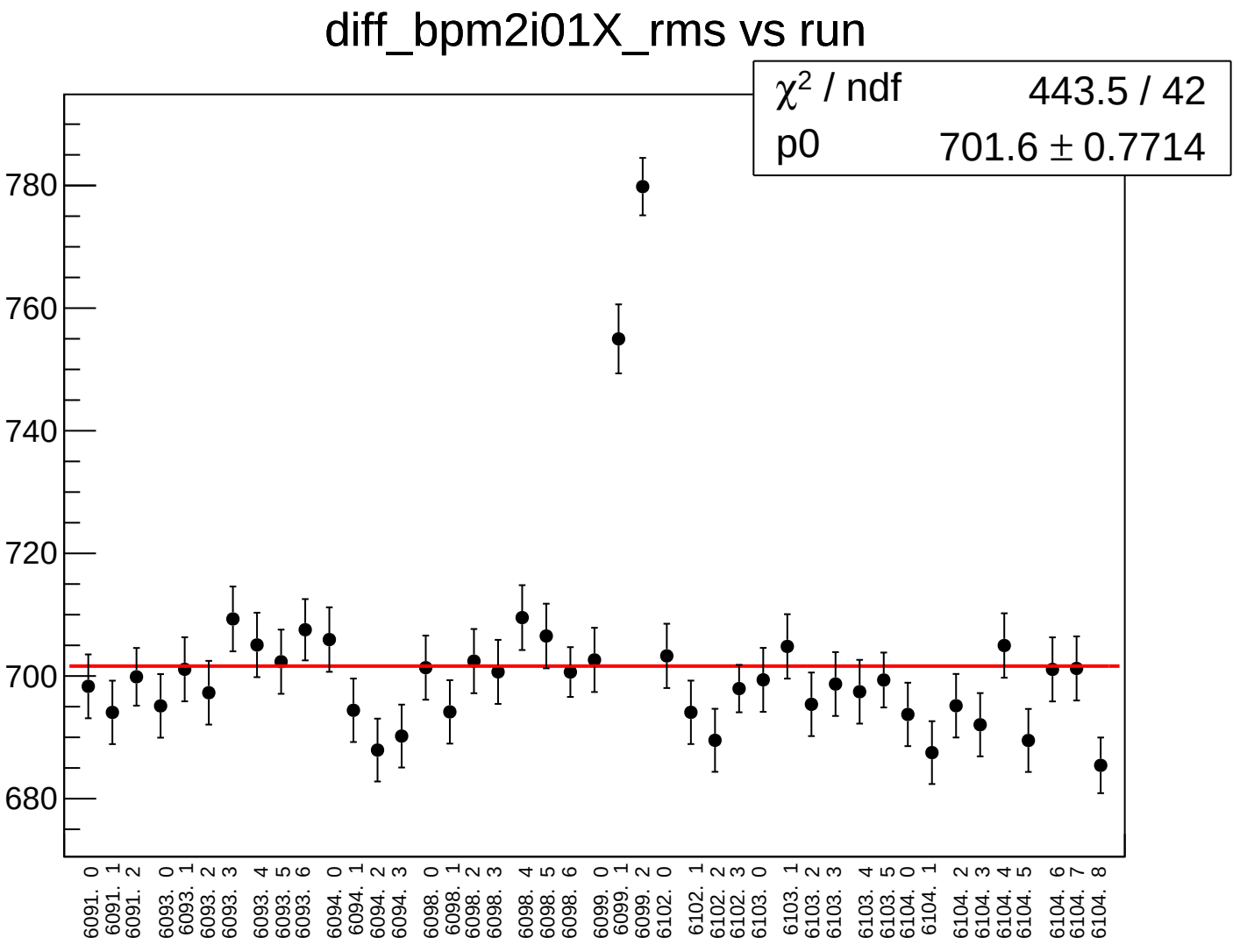

diff_bpm0r05Y_mean vs run
χ² / ndf 42.91 / 42
p0 −23.19 ± 7.681
150
100
50
0
−50
−100
−150
−200
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean −5.068
Std Dev 0
3
2
1
0
−1
−2

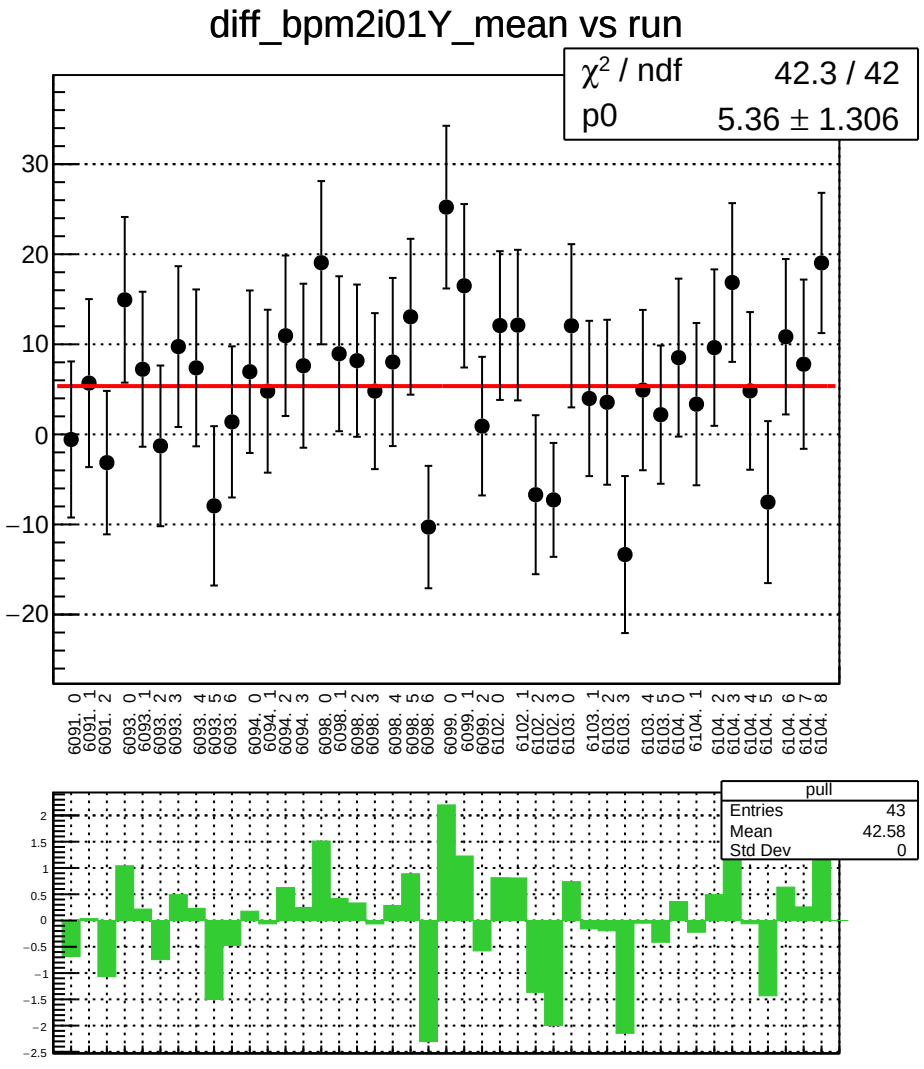

pull1D
Entries 43
Mean −0.02732
Std Dev 0.9986
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

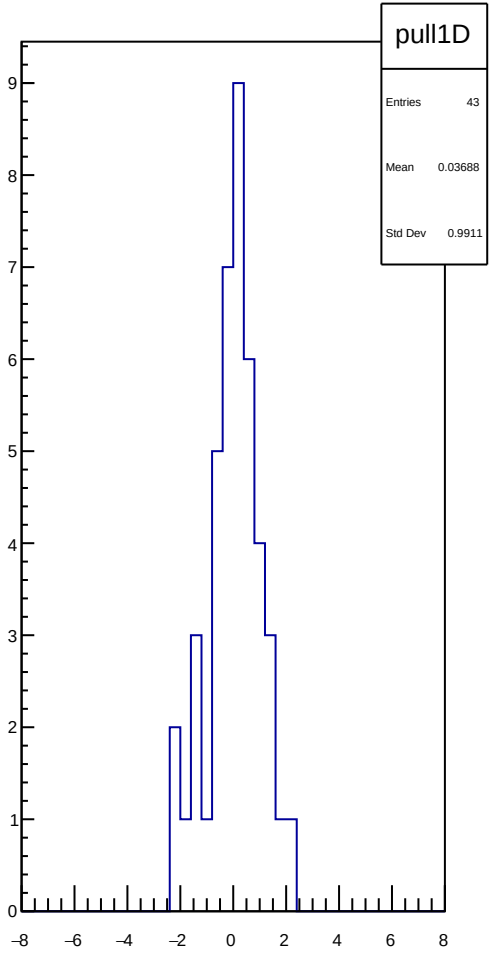

diff_bpm0r05Y_rms vs run
χ² / ndf 5516 / 42
p0 4925 ± 5.431
5800
5600
5400
5200
5000
4800
4600
4400
4200
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

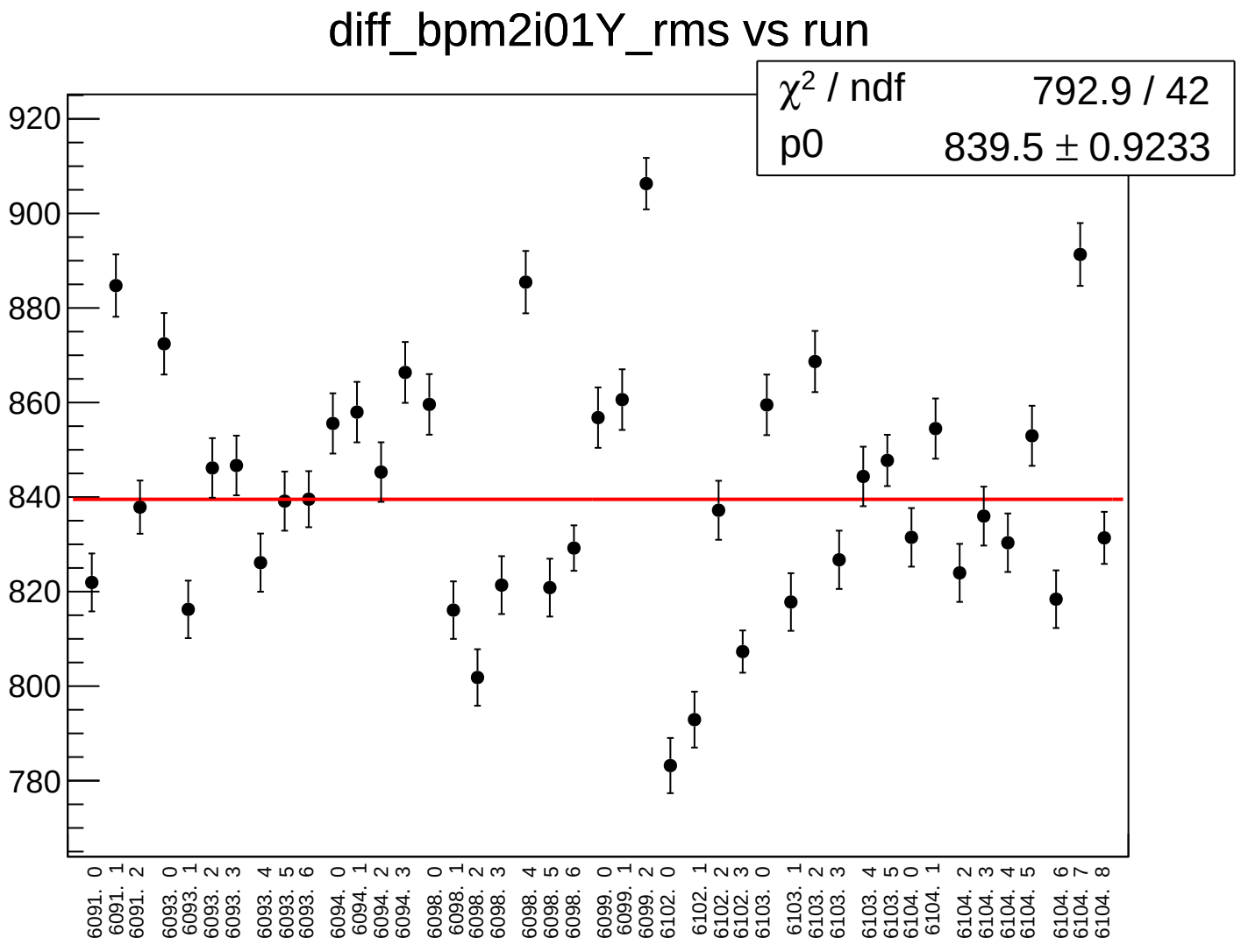

diff_bpm2i01X_mean vs run
χ² / ndf 64.39 / 42
p0 2.971 ± 1.091
30
20
10
0
−10
−20
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 44.3
Std Dev 0
2
1
0
−1
−2
−3

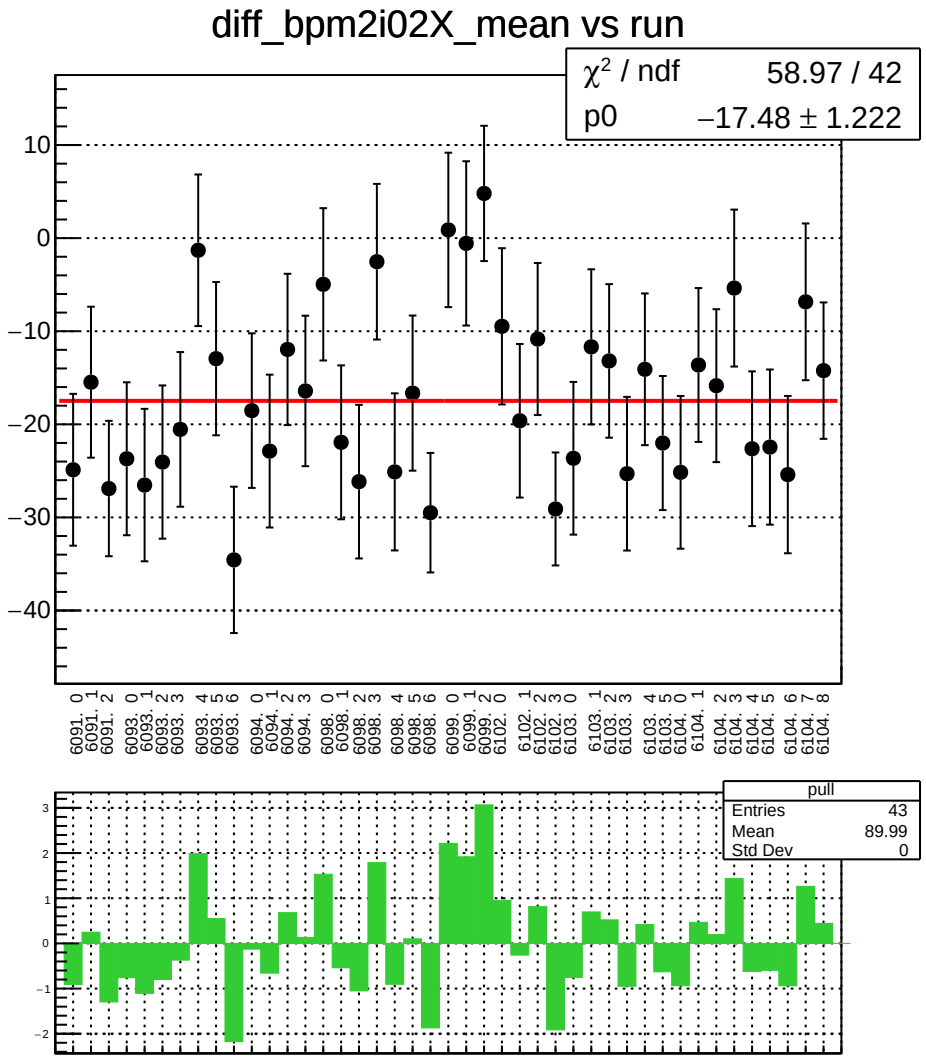

pull1D
Entries 43
Mean 0.02386
Std Dev 1.223
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

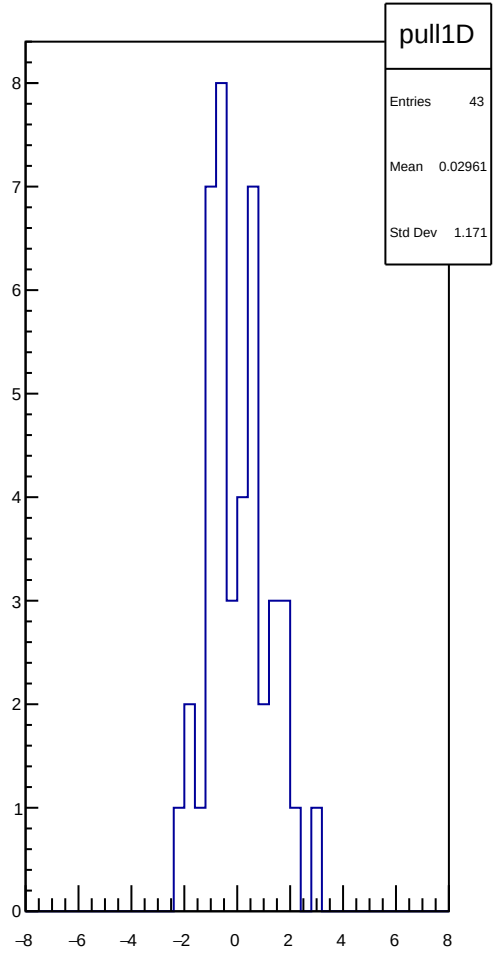

diff_bpm2i01X_rms vs run
χ² / ndf 443.5 / 42
p0 701.6 ± 0.7714
780
760
740
720
700
680
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

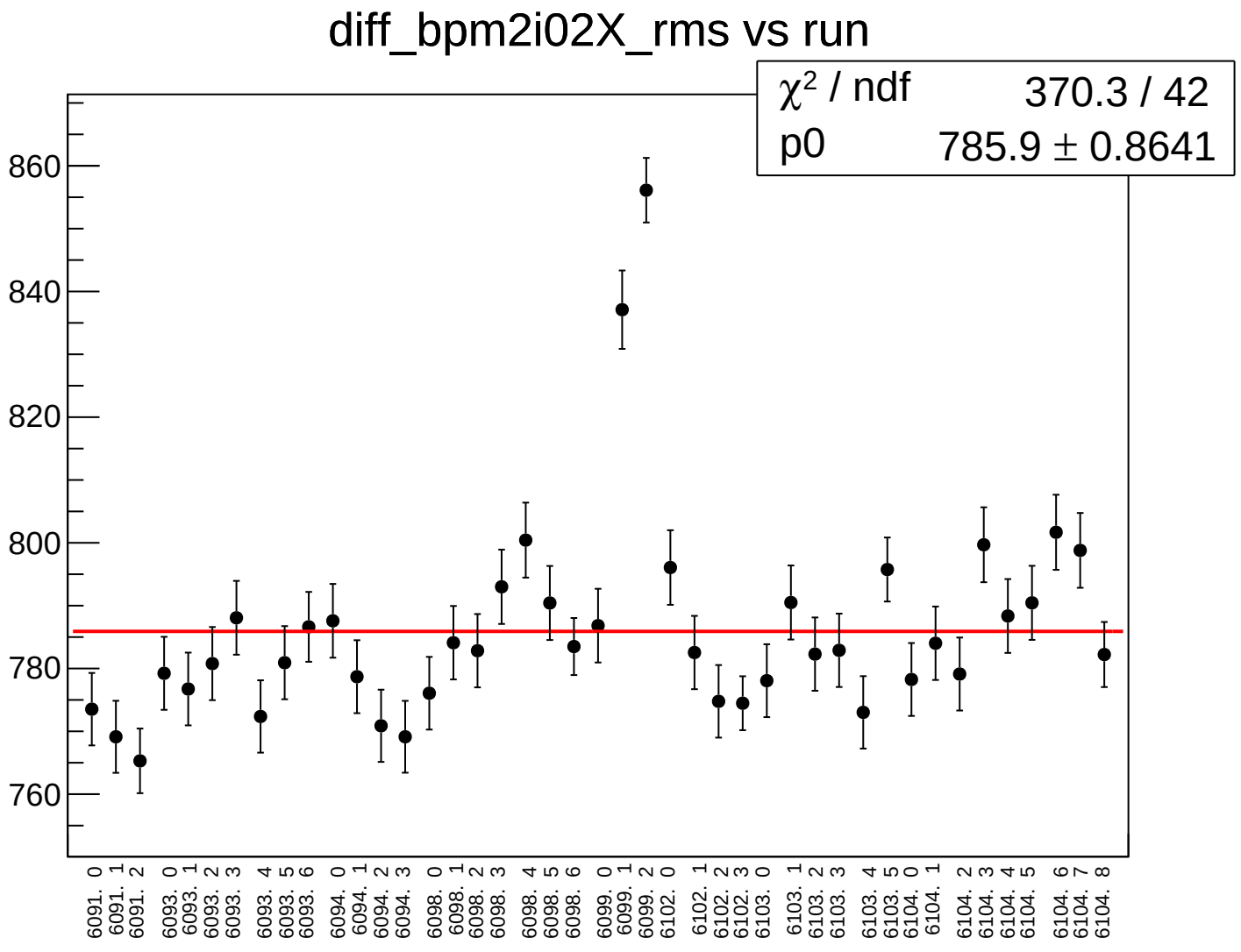

diff_bpm2i01Y_mean vs run
χ² / ndf 42.3 / 42
p0 5.36 ± 1.306
30
20
10
0
−10
−20
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 42.58
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

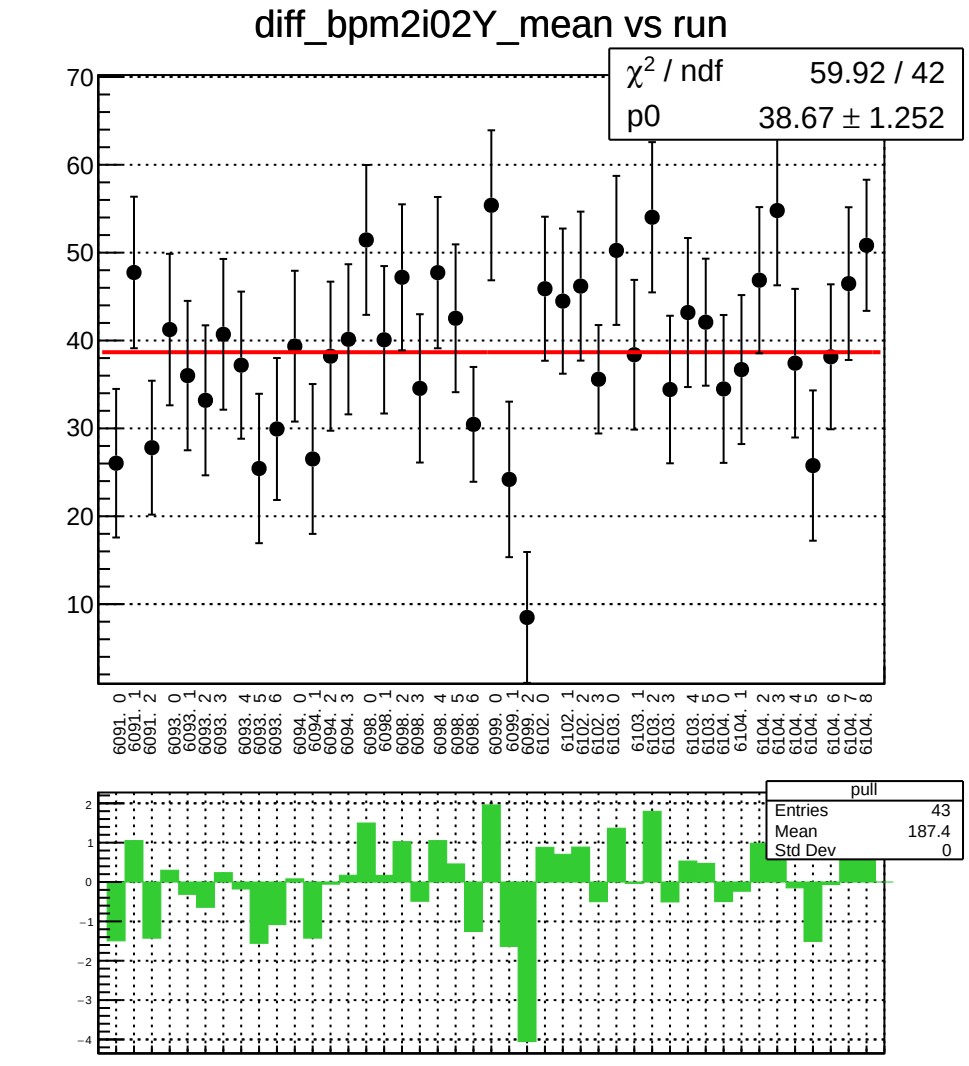

pull1D
Entries 43
Mean 0.03688
Std Dev 0.9911
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

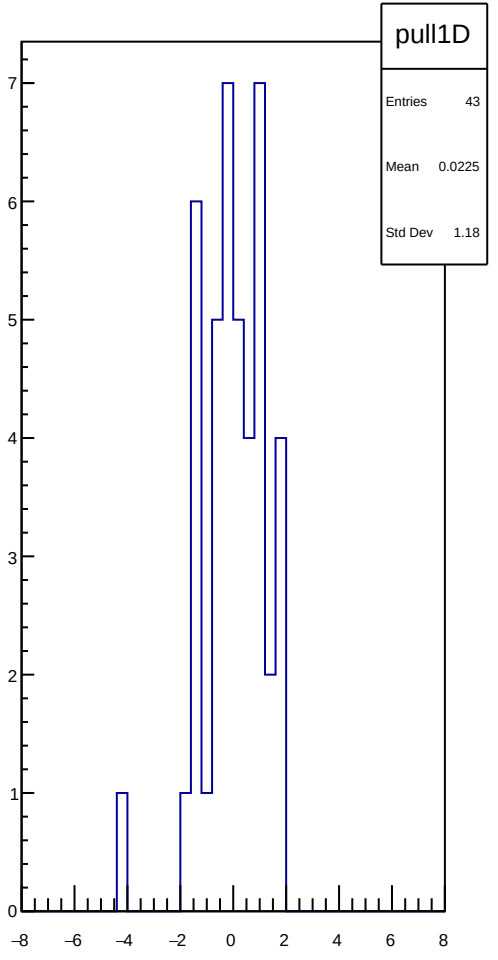

diff_bpm2i01Y_rms vs run
χ² / ndf 792.9 / 42
p0 839.5 ± 0.9233
920
900
880
860
840
820
800
780
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

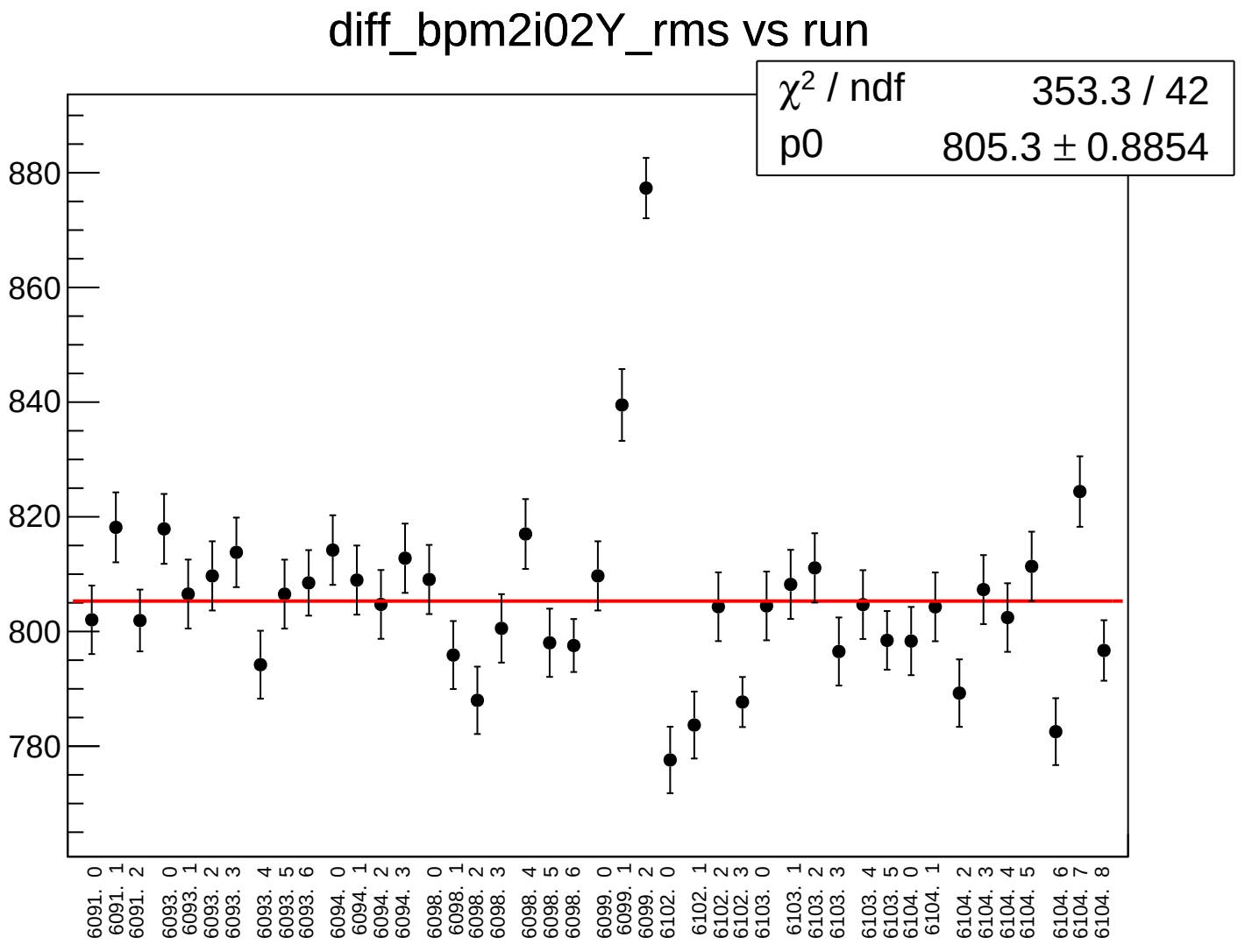

diff_bpm2i02X_mean vs run
χ² / ndf 58.97 / 42
p0 −17.48 ± 1.222
10
0
−10
−20
−30
−40
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 89.99
Std Dev 0
3
2
1
0
−1
−2

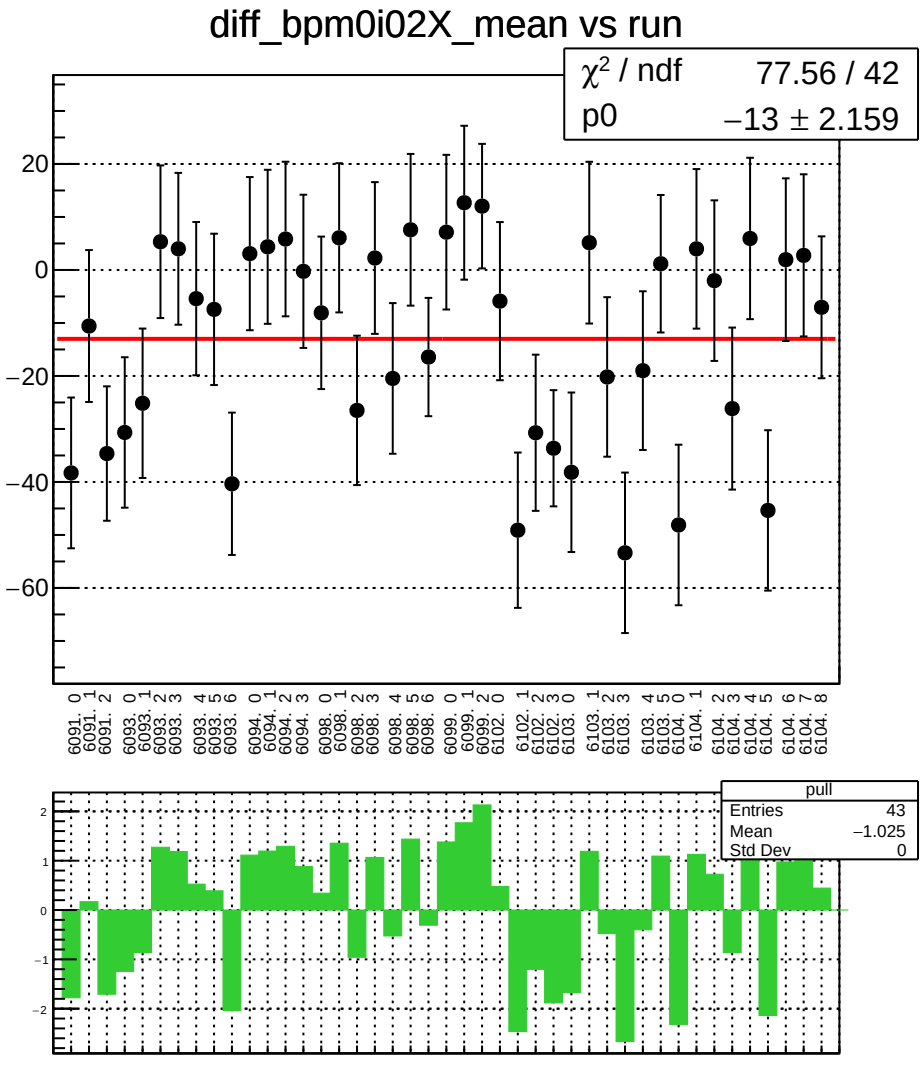

pull1D
Entries 43
Mean 0.02961
Std Dev 1.171
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

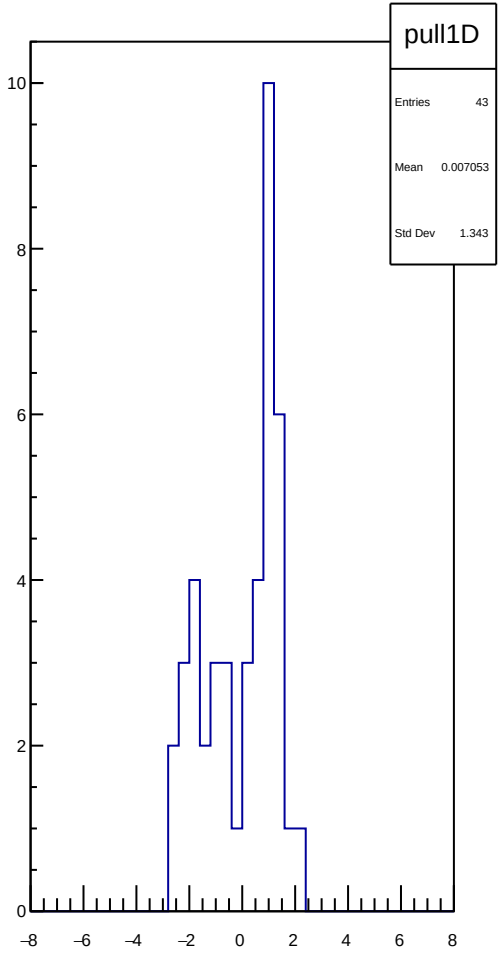

diff_bpm2i02X_rms vs run
χ² / ndf 370.3 / 42
p0 785.9 ± 0.8641
860
840
820
800
780
760
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

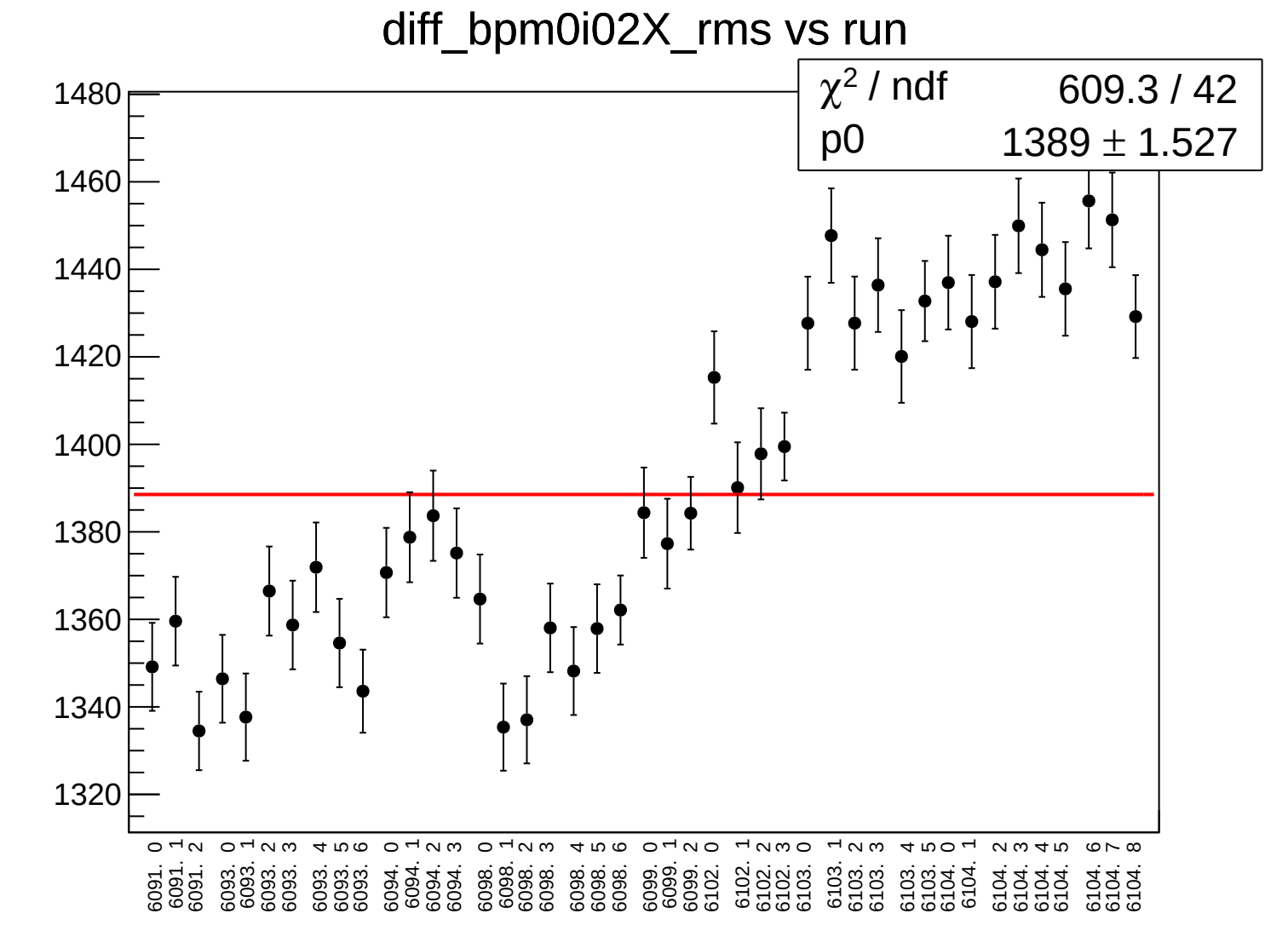

diff_bpm2i02Y_mean vs run
χ² / ndf 59.92 / 42
p0 38.67 ± 1.252
pull
Entries 43
Mean 187.4
Std Dev 0

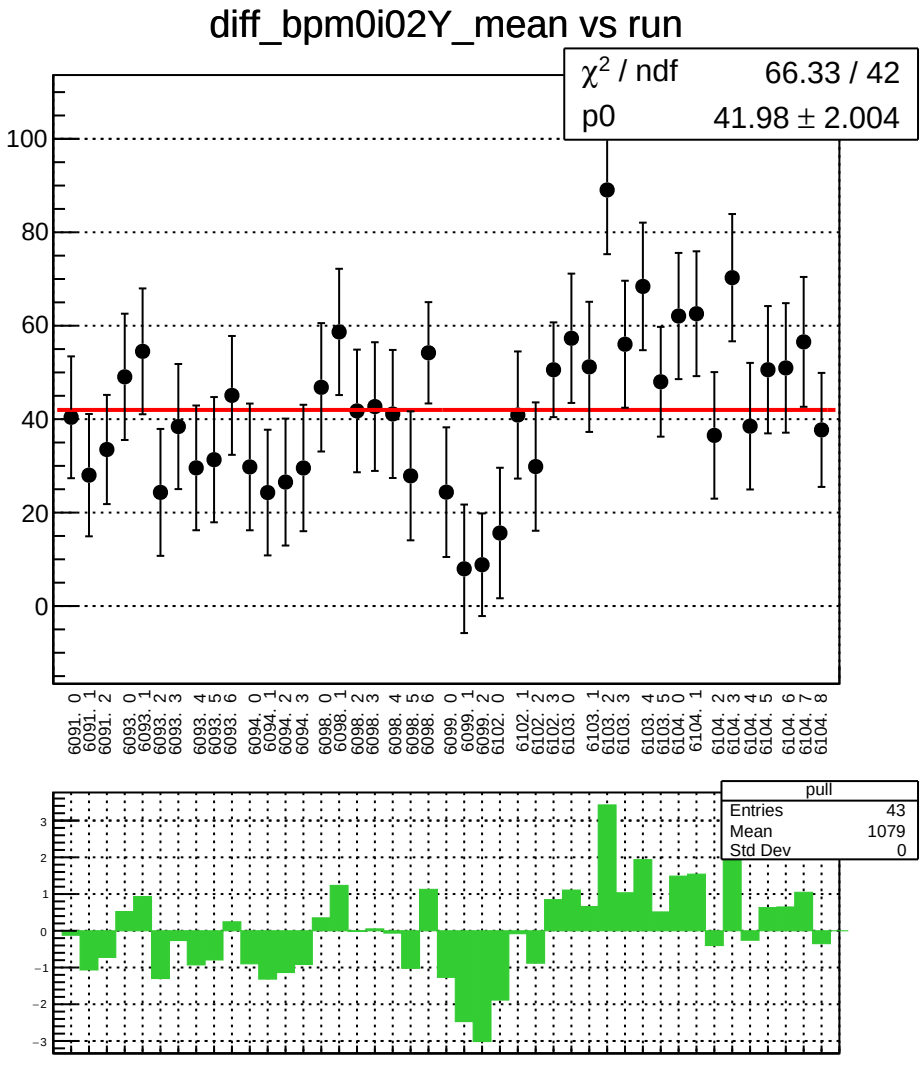

pull1D
Entries 43
Mean 0.0225
Std Dev 1.18

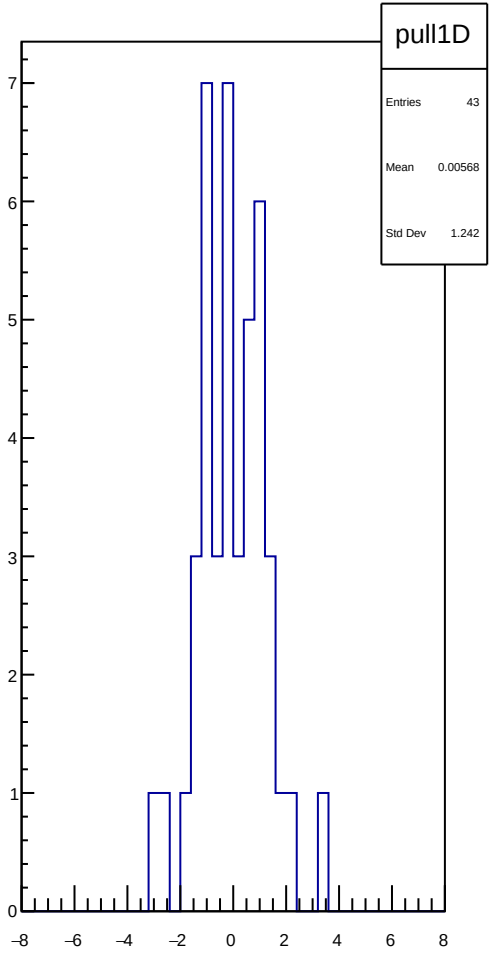

diff_bpm2i02Y_rms vs run
χ² / ndf 353.3 / 42
p0 805.3 ± 0.8854
880
860
840
820
800
780
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

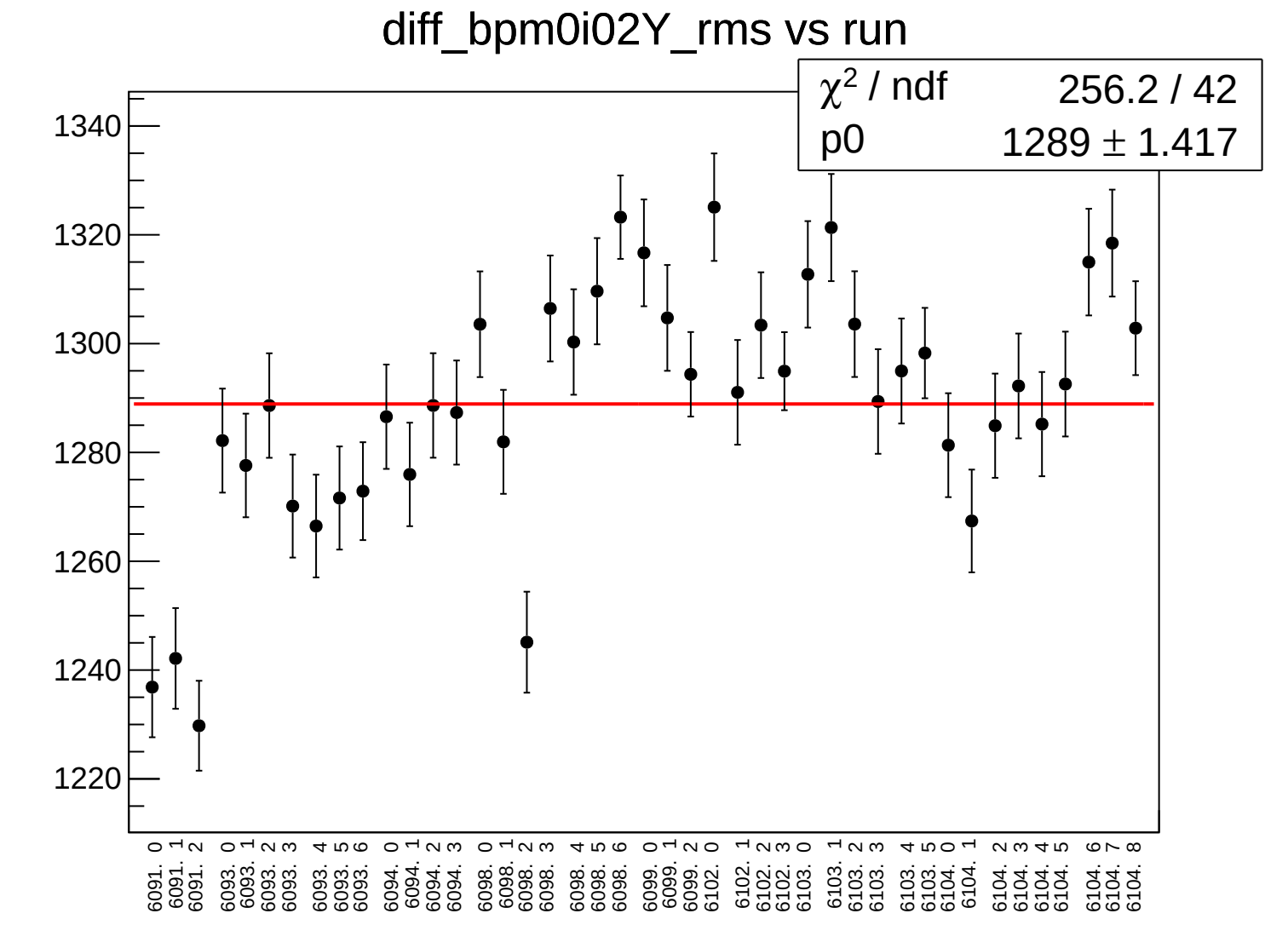

diff_bpm0i02X_mean vs run
χ² / ndf 77.56 / 42
p0 −13 ± 2.159
20
0
−20
−40
−60
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean −1.025
Std Dev 0
2
1
0
−1
−2

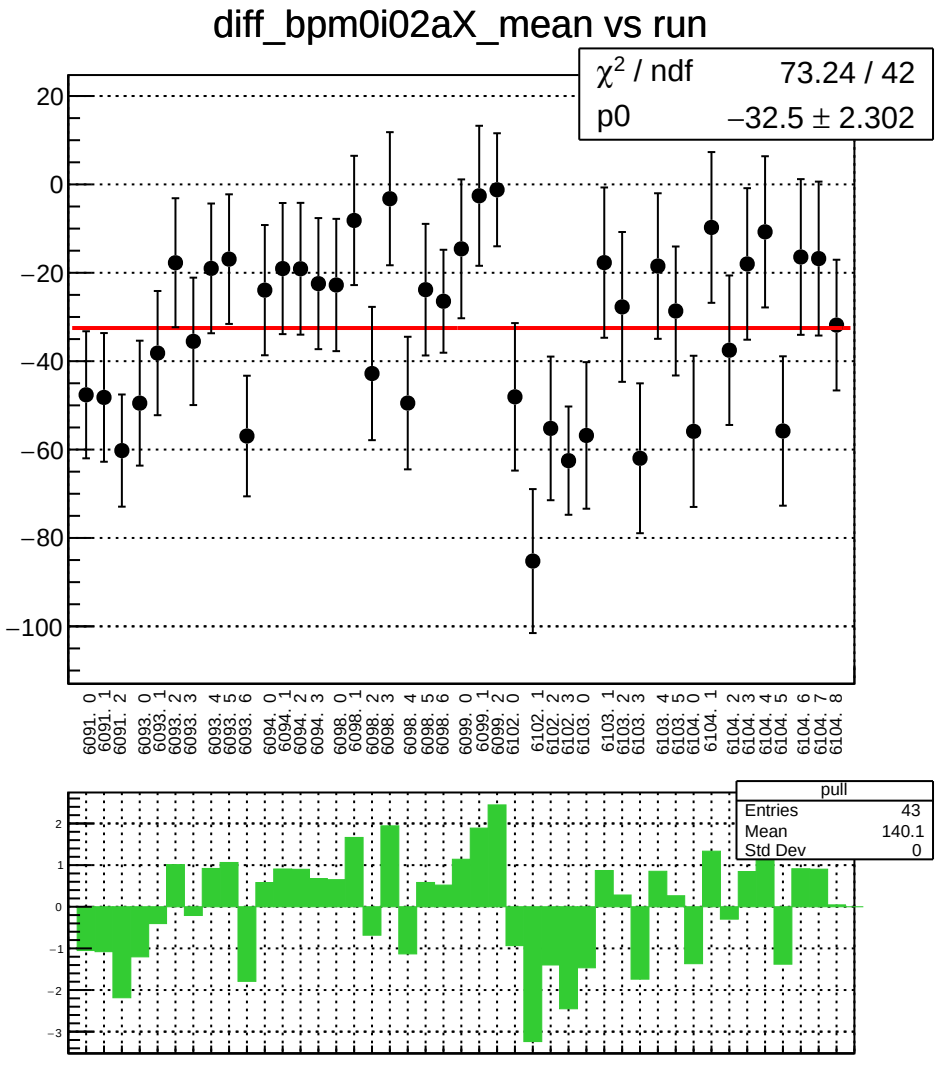

pull1D
Entries 43
Mean 0.007053
Std Dev 1.343
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

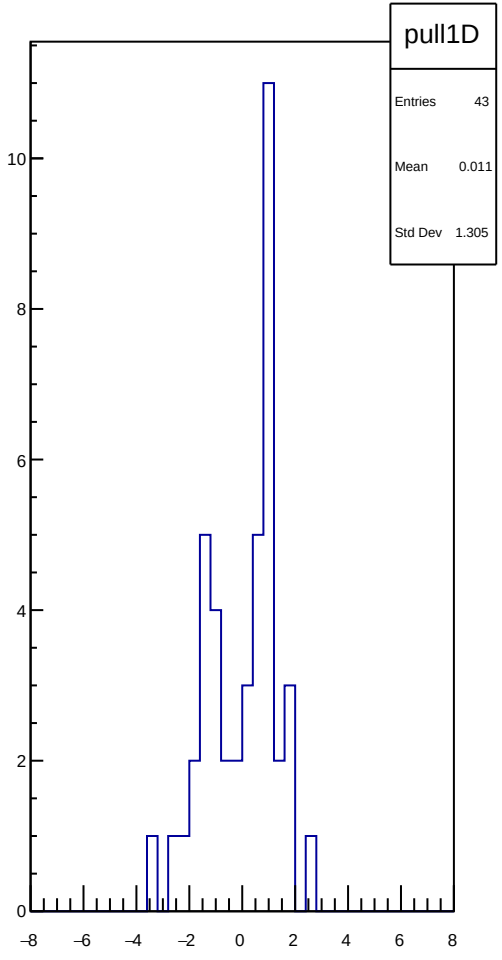

diff_bpm0i02X_rms vs run
χ² / ndf 609.3 / 42
p0 1389 ± 1.527
1480
1460
1440
1420
1400
1380
1360
1340
1320
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

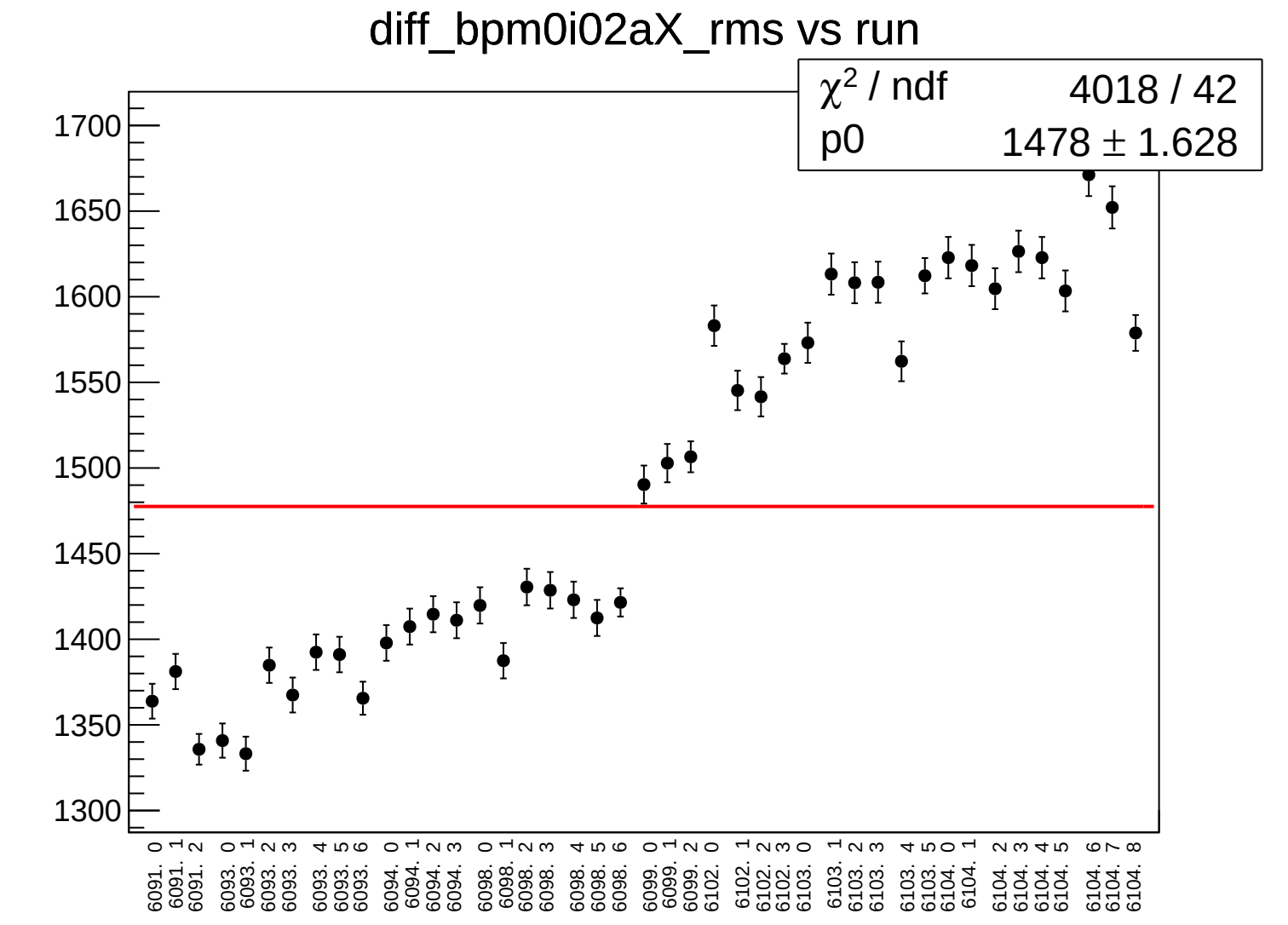

diff_bpm0i02Y_mean vs run
χ² / ndf 66.33 / 42
p0 41.98 ± 2.004
100
80
60
40
20
0
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 1079
Std Dev 0
3
2
1
0
−1
−2
−3

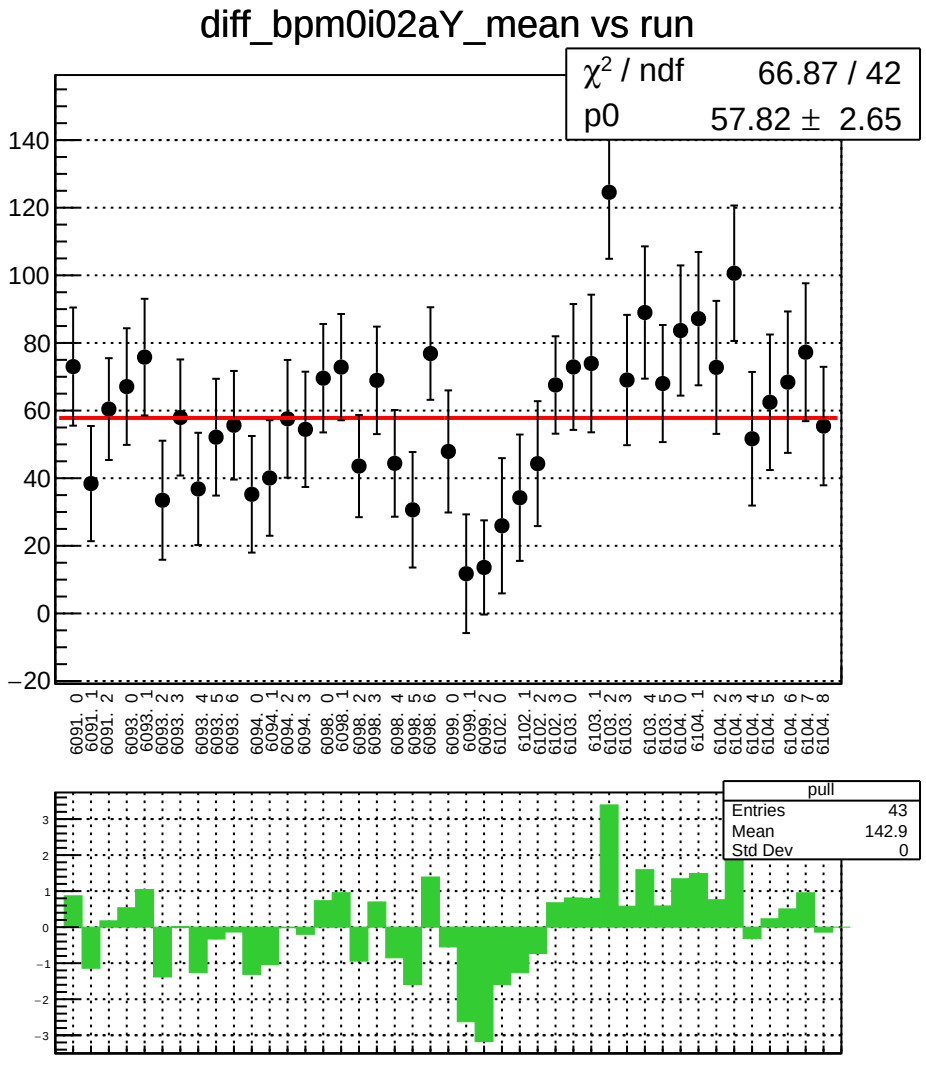

pull1D
Entries 43
Mean 0.00568
Std Dev 1.242
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

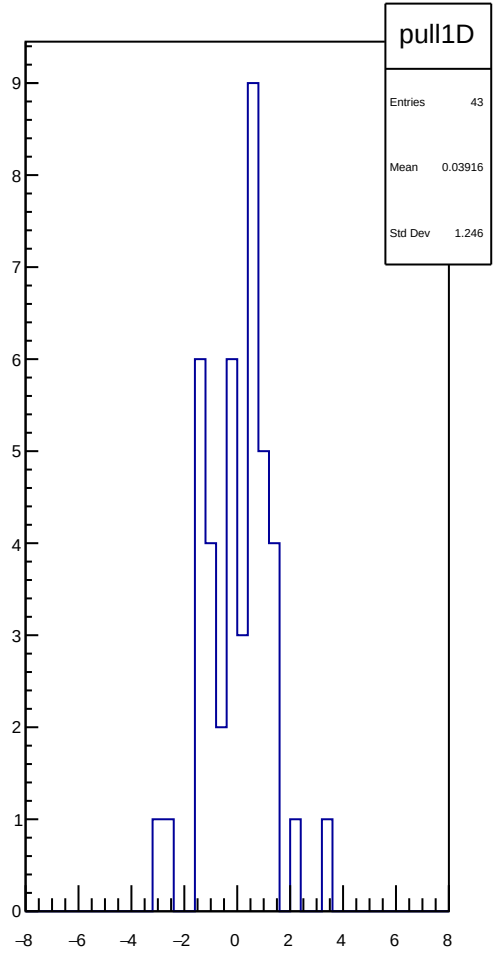

diff_bpm0i02Y_rms vs run
χ² / ndf 256.2 / 42
p0 1289 ± 1.417
1340
1320
1300
1280
1260
1240
1220
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

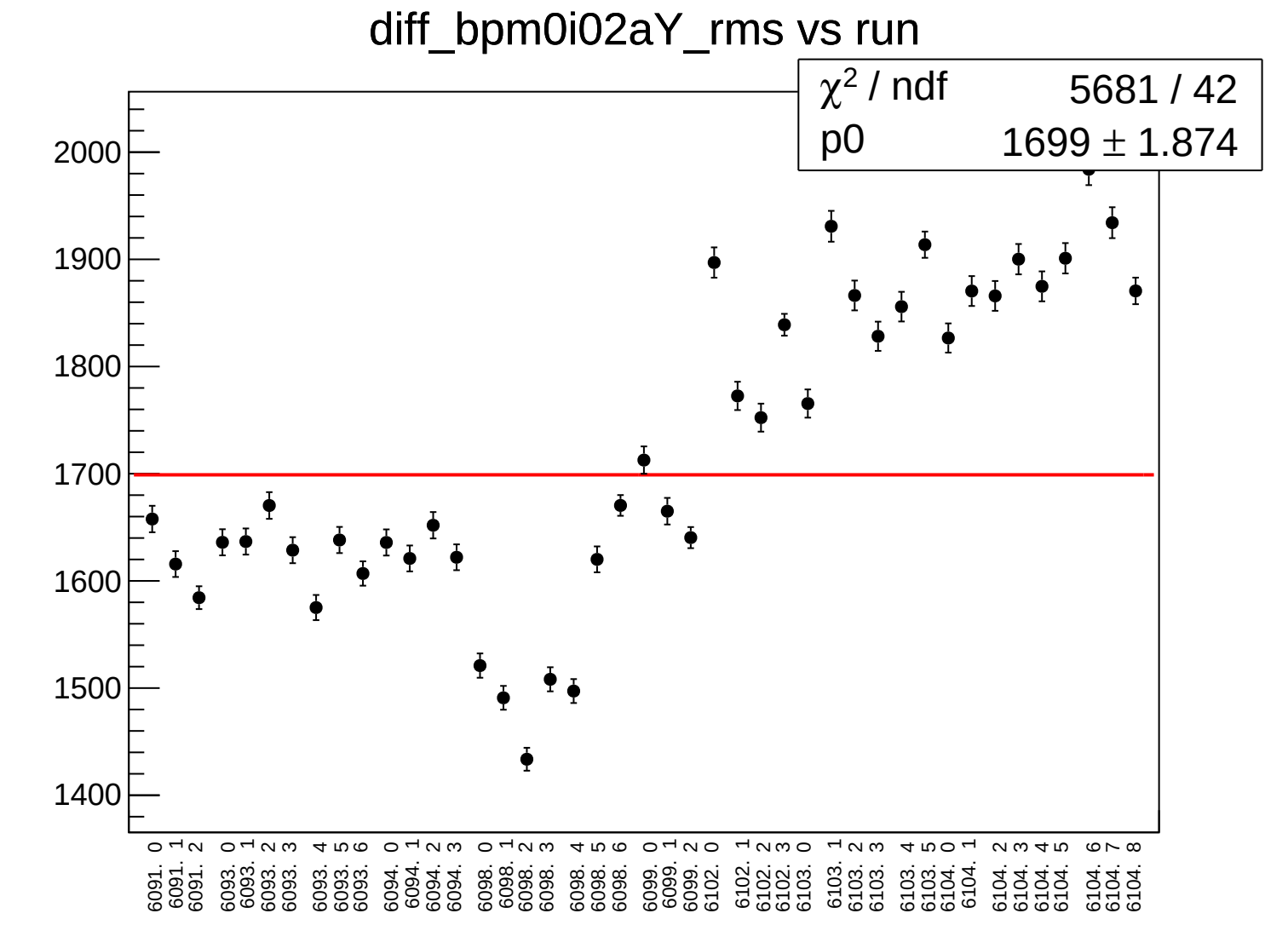

diff_bpm0i02aX_mean vs run
χ² / ndf 73.24 / 42
p0 −32.5 ± 2.302
20
0
−20
−40
−60
−80
−100
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 140.1
Std Dev 0
2
1
0
−1
−2
−3

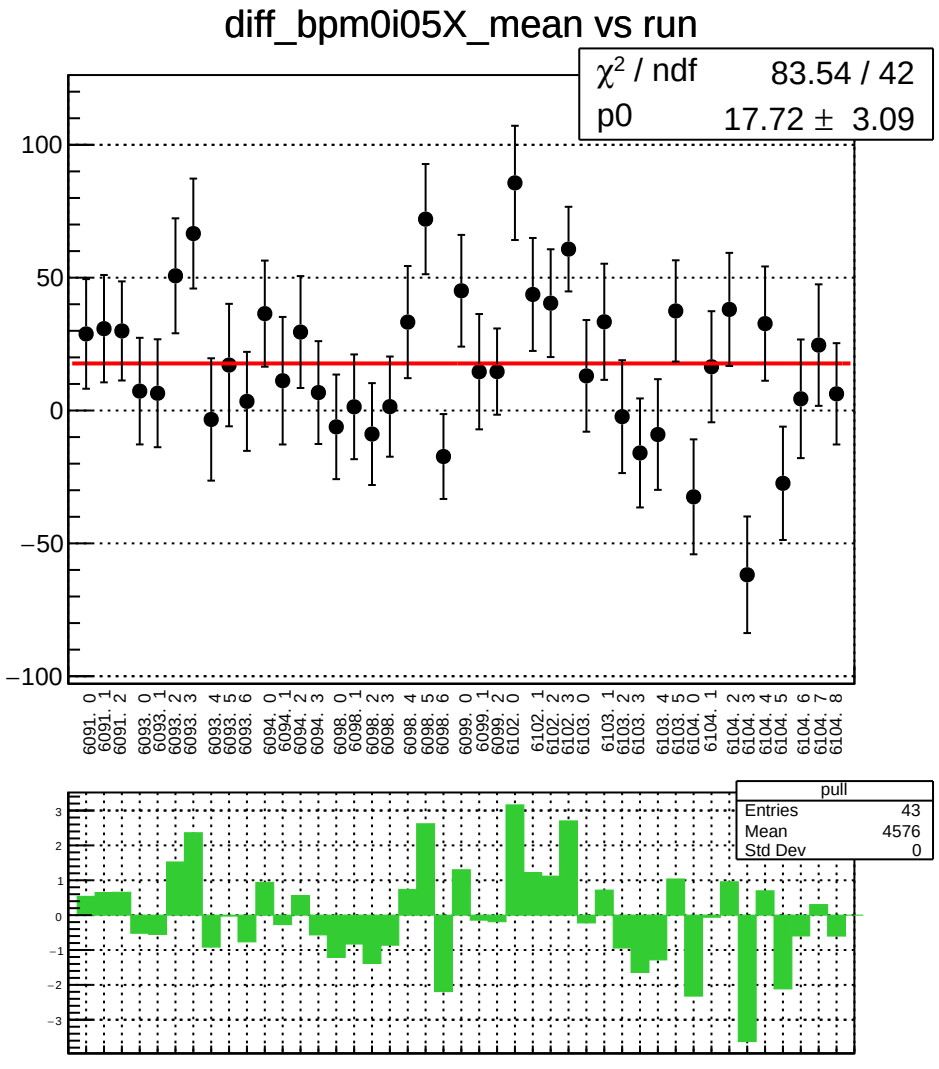

pull1D
Entries 43
Mean 0.011
Std Dev 1.305
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

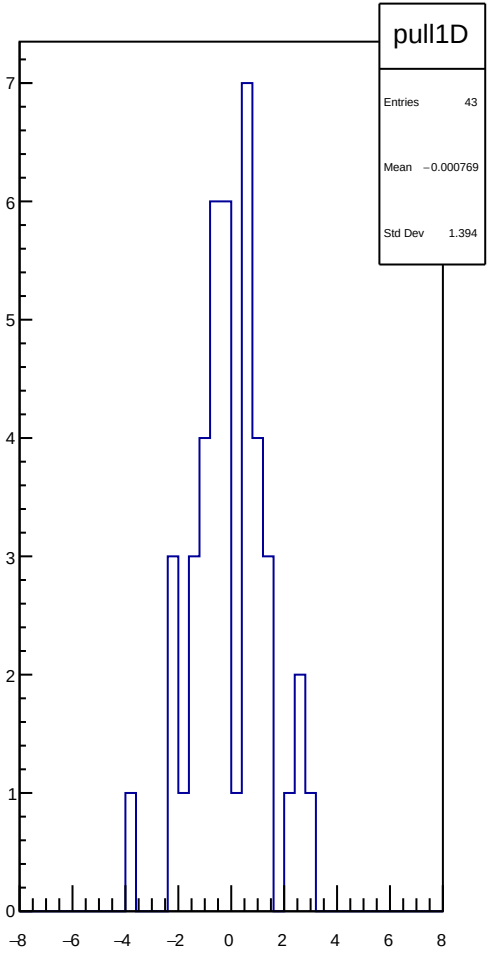

diff_bpm0i02aX_rms vs run
χ² / ndf 4018 / 42
p0 1478 ± 1.628
1700
1650
1600
1550
1500
1450
1400
1350
1300
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

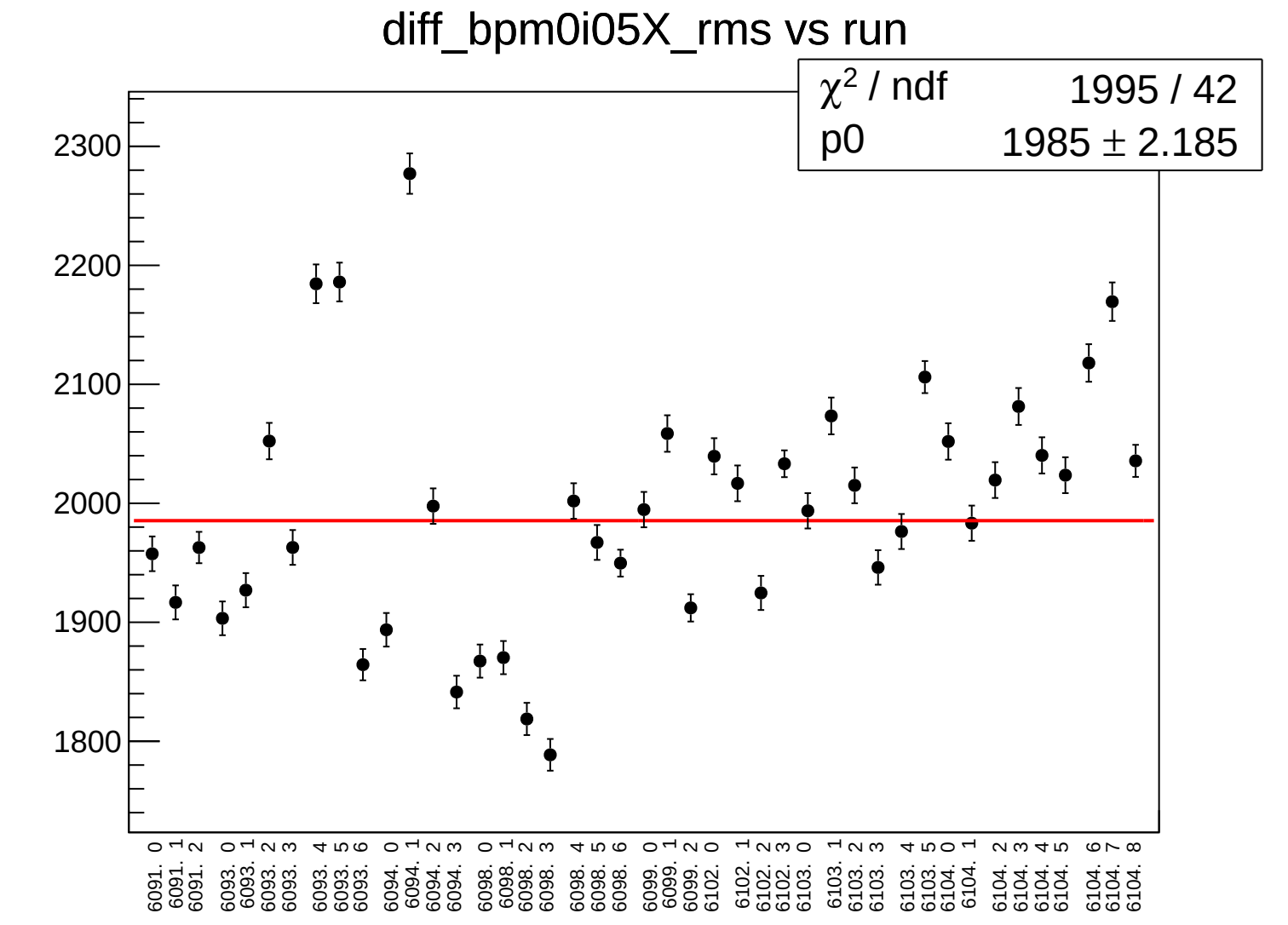

diff_bpm0i02aY_mean vs run
χ² / ndf 66.87 / 42
p0 57.82 ± 2.65
140
120
100
80
60
40
20
0
−20
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 142.9
Std Dev 0
3
2
1
0
−1
−2
−3

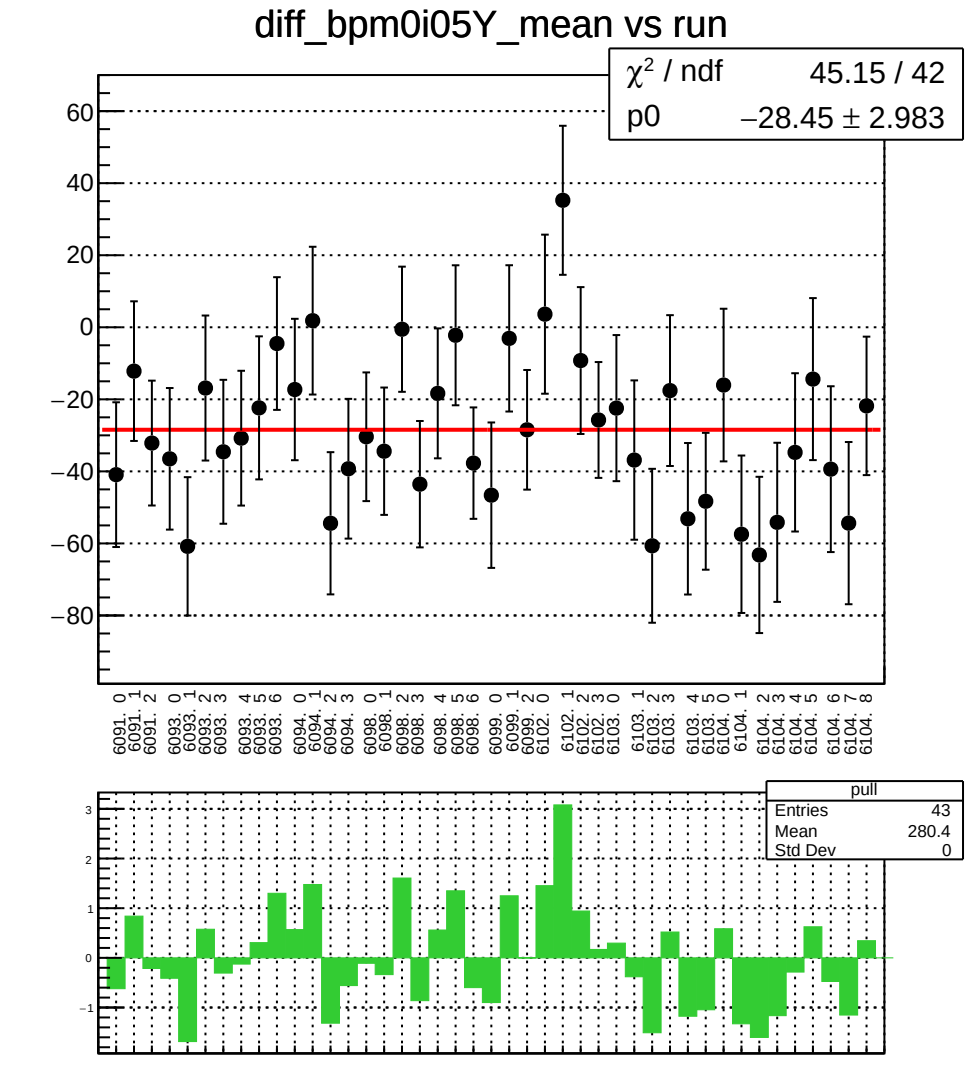

pull1D
Entries 43
Mean 0.03916
Std Dev 1.246
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

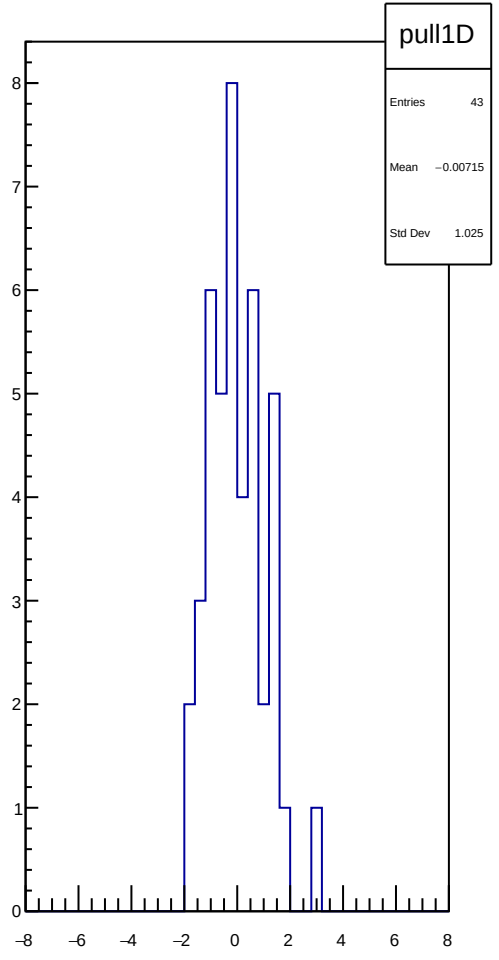

diff_bpm0i02aY_rms vs run
χ² / ndf 5681 / 42
p0 1699 ± 1.874
2000
1900
1800
1700
1600
1500
1400
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

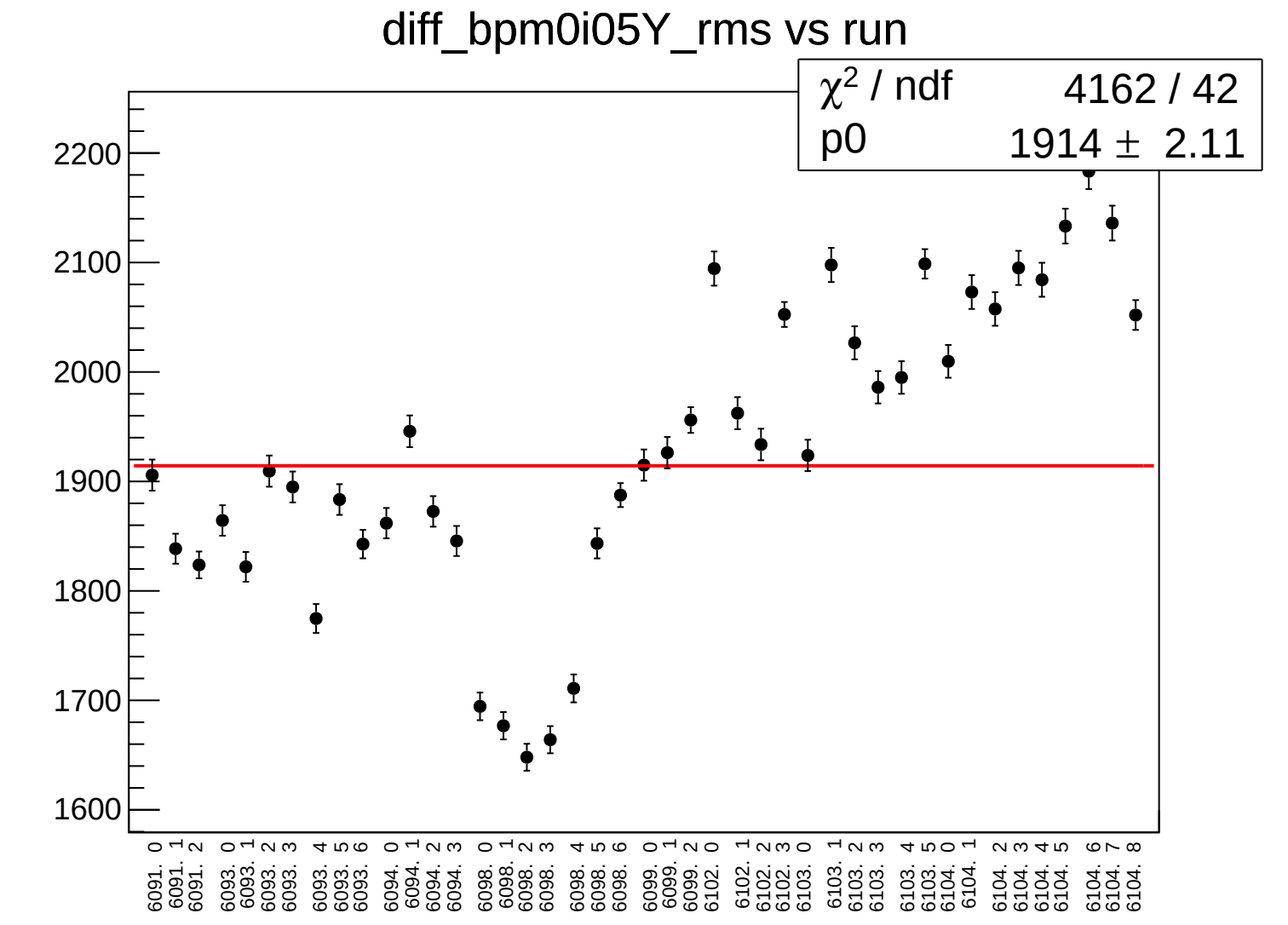

diff_bpm0i05X_mean vs run
χ² / ndf 83.54 / 42
p0 17.72 ± 3.09
100
50
0
−50
−100
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 4576
Std Dev 0
3
2
1
0
−1
−2
−3

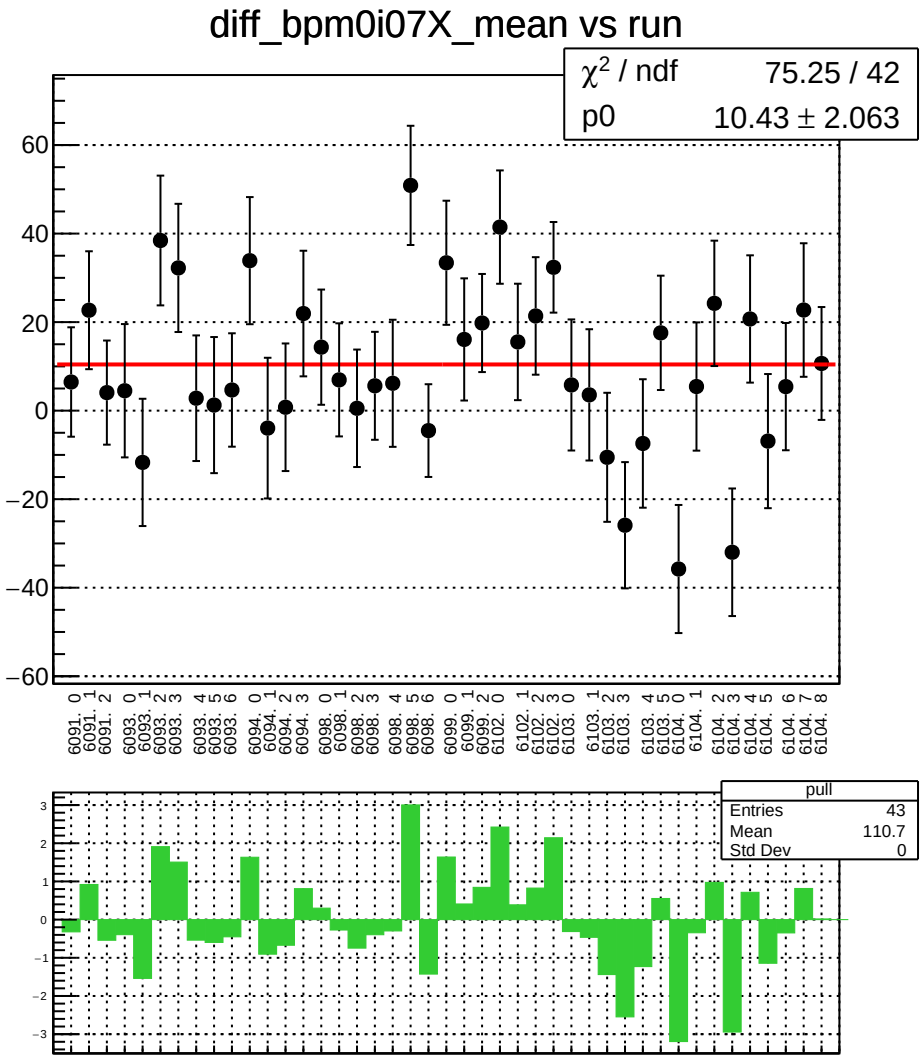

pull1D
Entries 43
Mean −0.000769
Std Dev 1.394
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

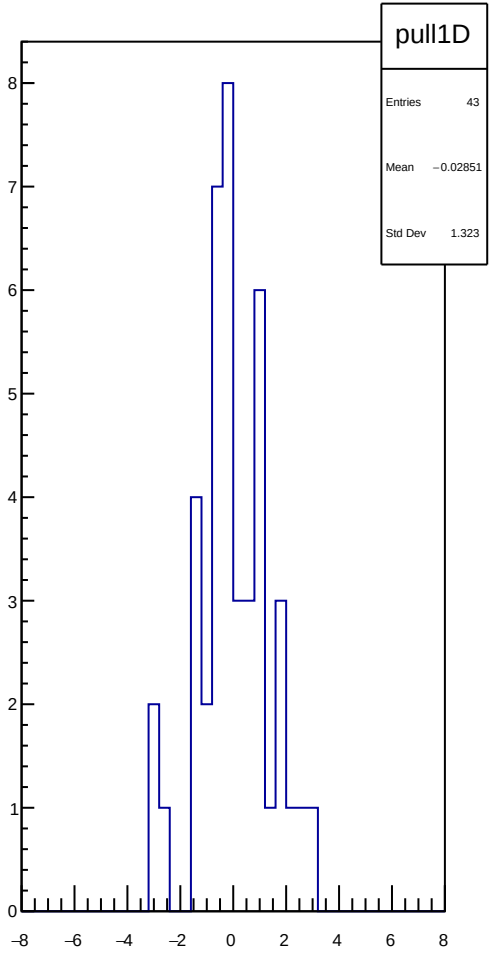

diff_bpm0i05X_rms vs run
χ² / ndf 1995 / 42
p0 1985 ± 2.185
2300
2200
2100
2000
1900
1800
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

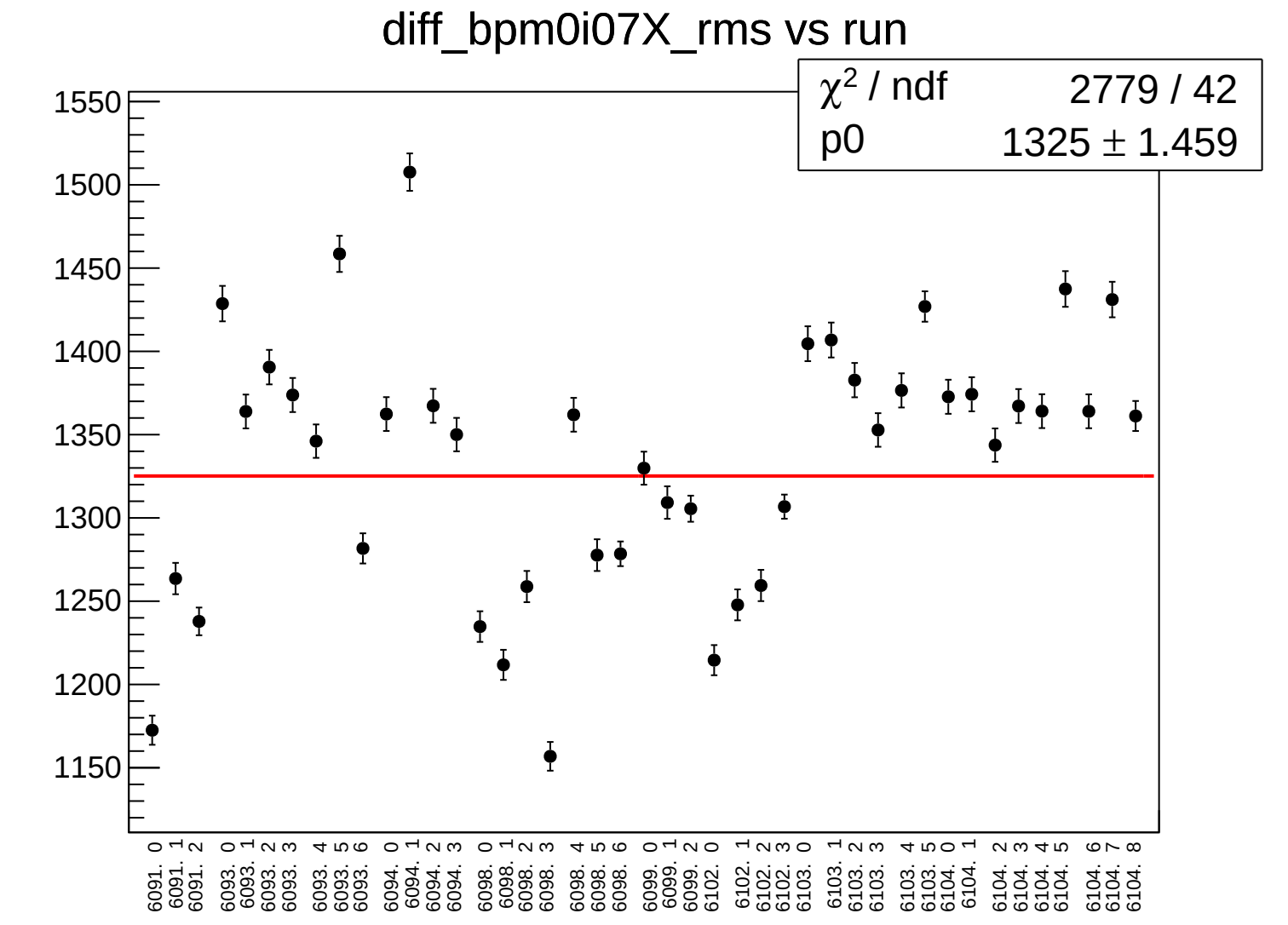

diff_bpm0i05Y_mean vs run
χ² / ndf 45.15 / 42
p0 −28.45 ± 2.983
pull
Entries 43
Mean 280.4
Std Dev 0

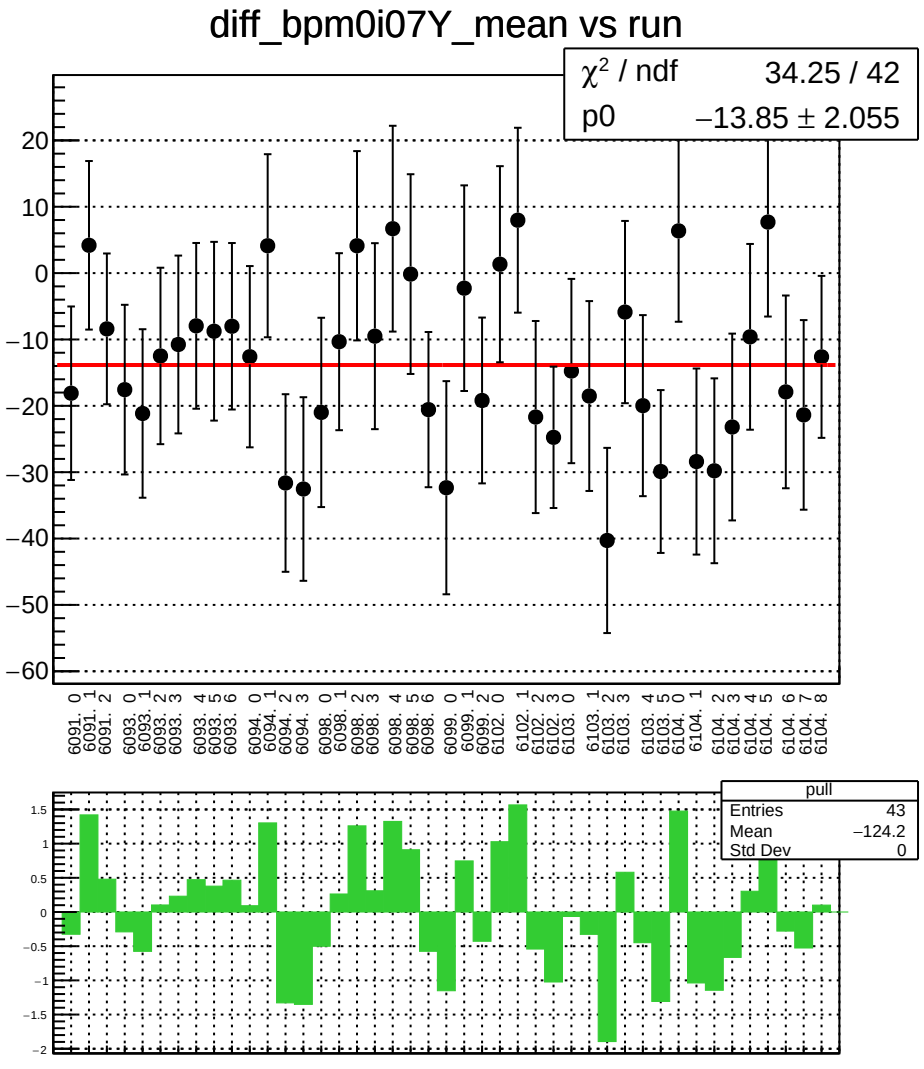

pull1D
Entries 43
Mean −0.00715
Std Dev 1.025

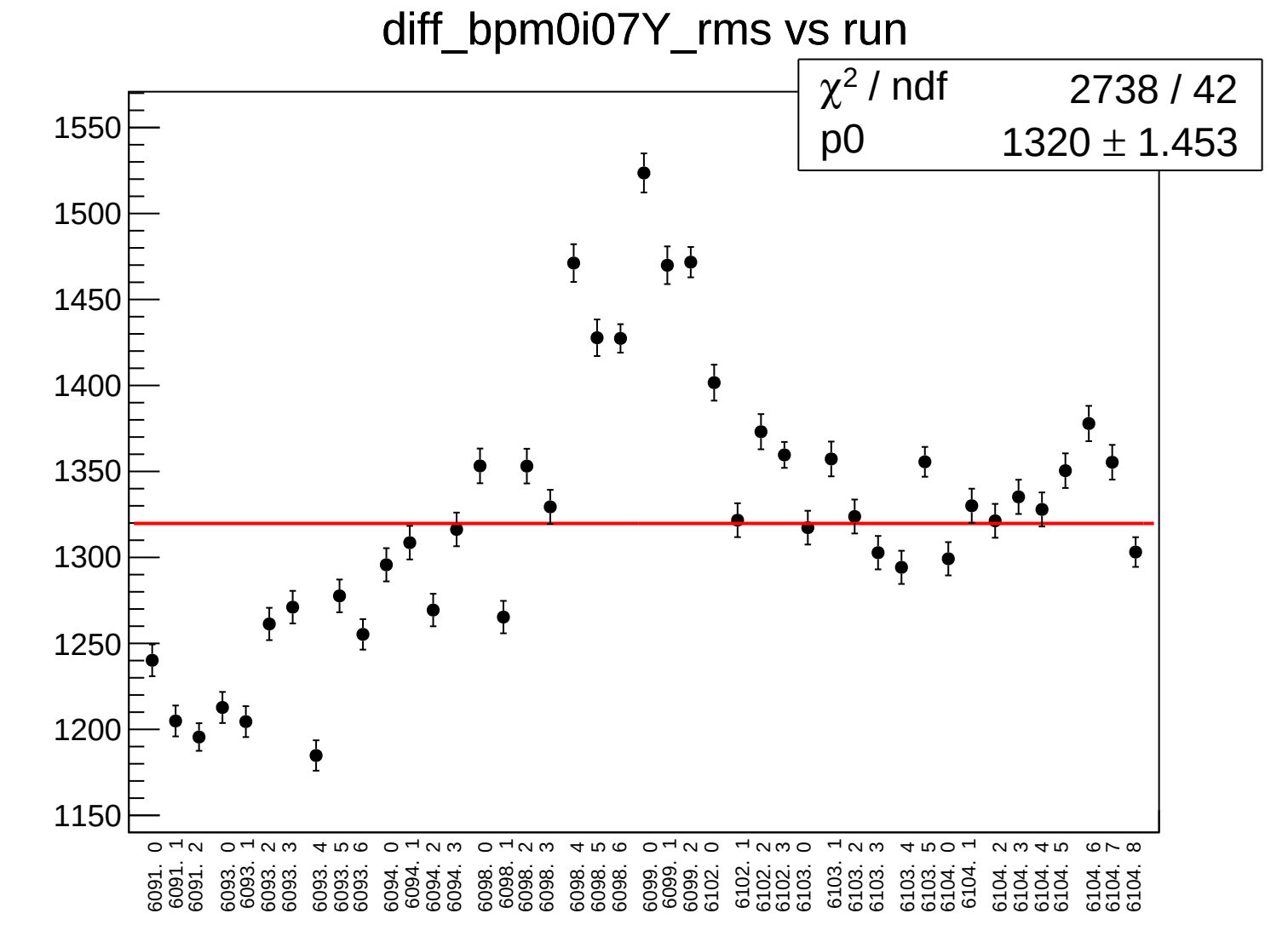

diff_bpm0i05Y_rms vs run
χ² / ndf 4162 / 42
p0 1914 ± 2.11
2200
2100
2000
1900
1800
1700
1600
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

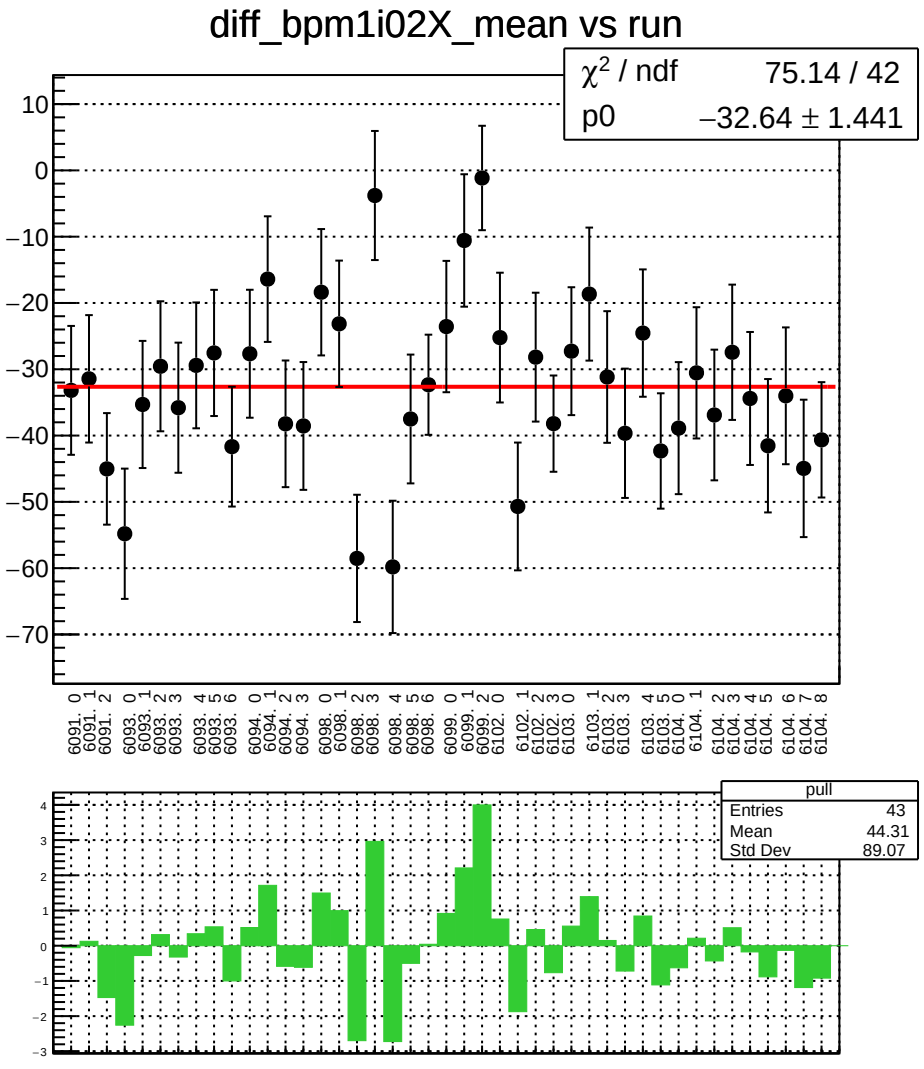

diff_bpm0i07X_mean vs run
χ² / ndf 75.25 / 42
p0 10.43 ± 2.063
pull
Entries 43
Mean 110.7
Std Dev 0

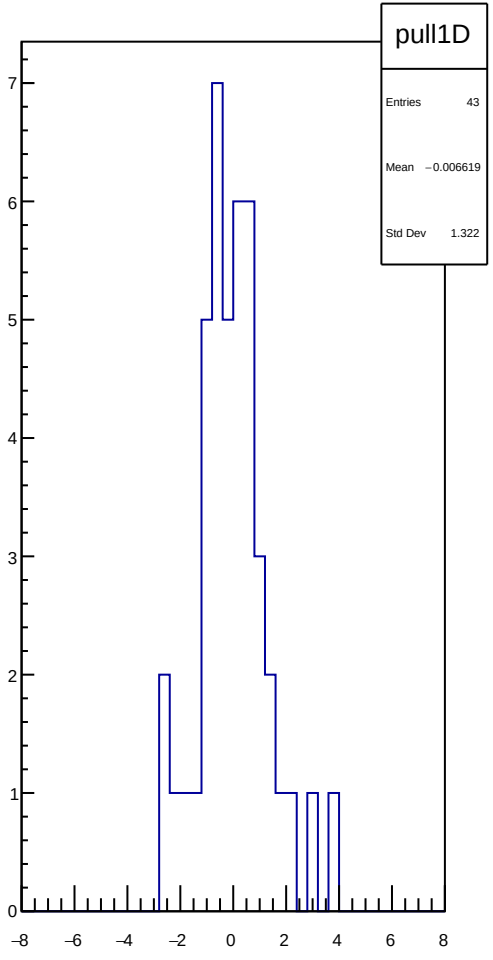

pull1D
Entries 43
Mean −0.02851
Std Dev 1.323

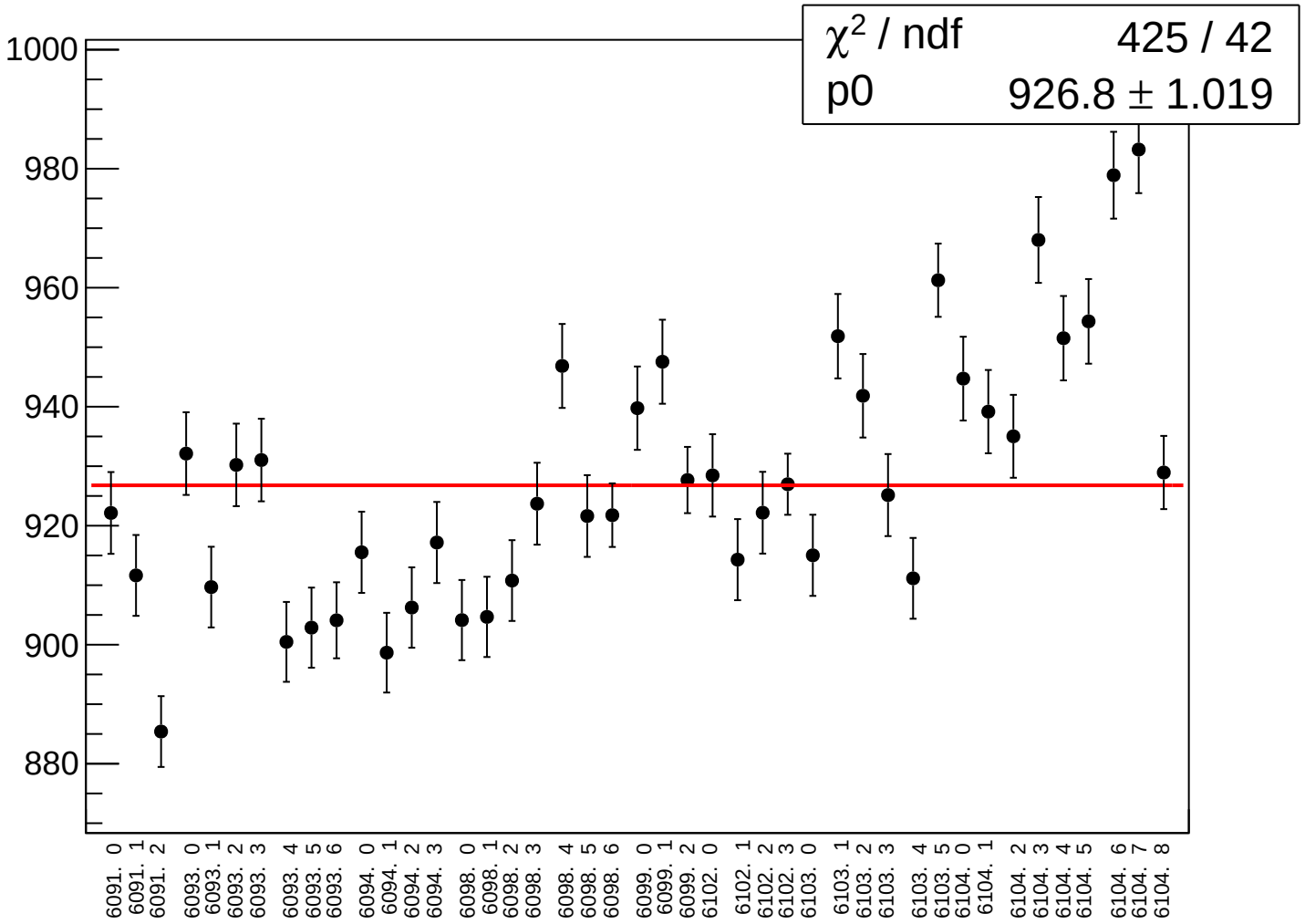

diff_bpm0i07X_rms vs run
χ² / ndf 2779 / 42
p0 1325 ± 1.459
1550
1500
1450
1400
1350
1300
1250
1200
1150
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

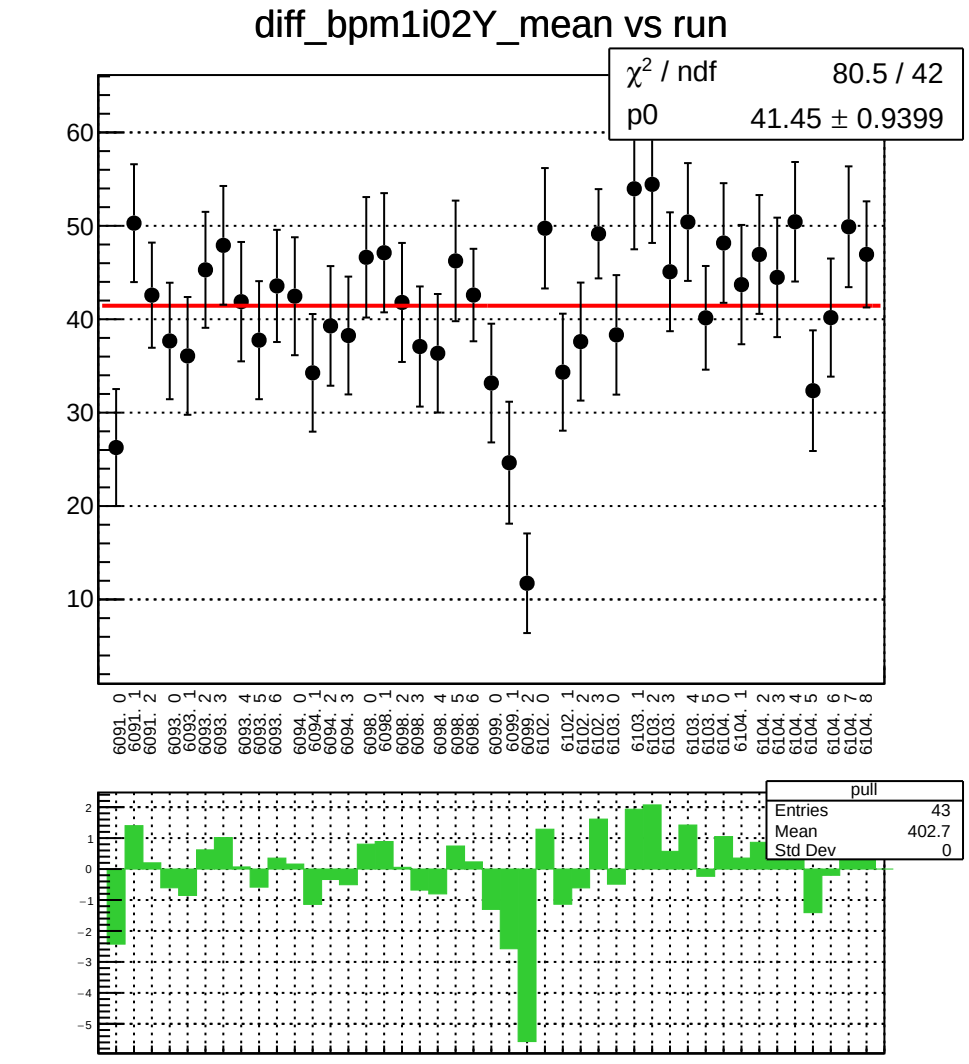

diff_bpm0i07Y_mean vs run
χ² / ndf 34.25 / 42
p0 −13.85 ± 2.055
pull
Entries 43
Mean −124.2
Std Dev 0
pull1D
Entries 43
Mean 0.01261
Std Dev 0.8924

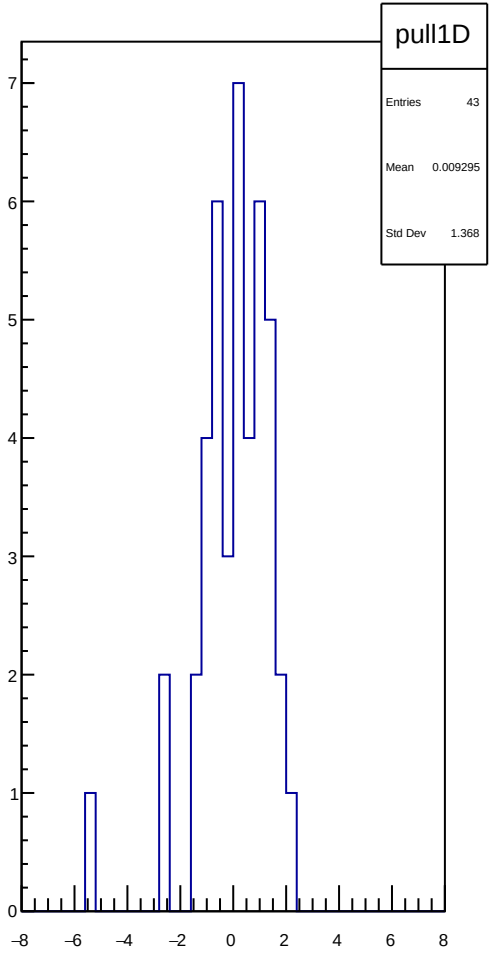

diff_bpm0i07Y_rms vs run
χ² / ndf 2738 / 42
p0 1320 ± 1.453
1550
1500
1450
1400
1350
1300
1250
1200
1150
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

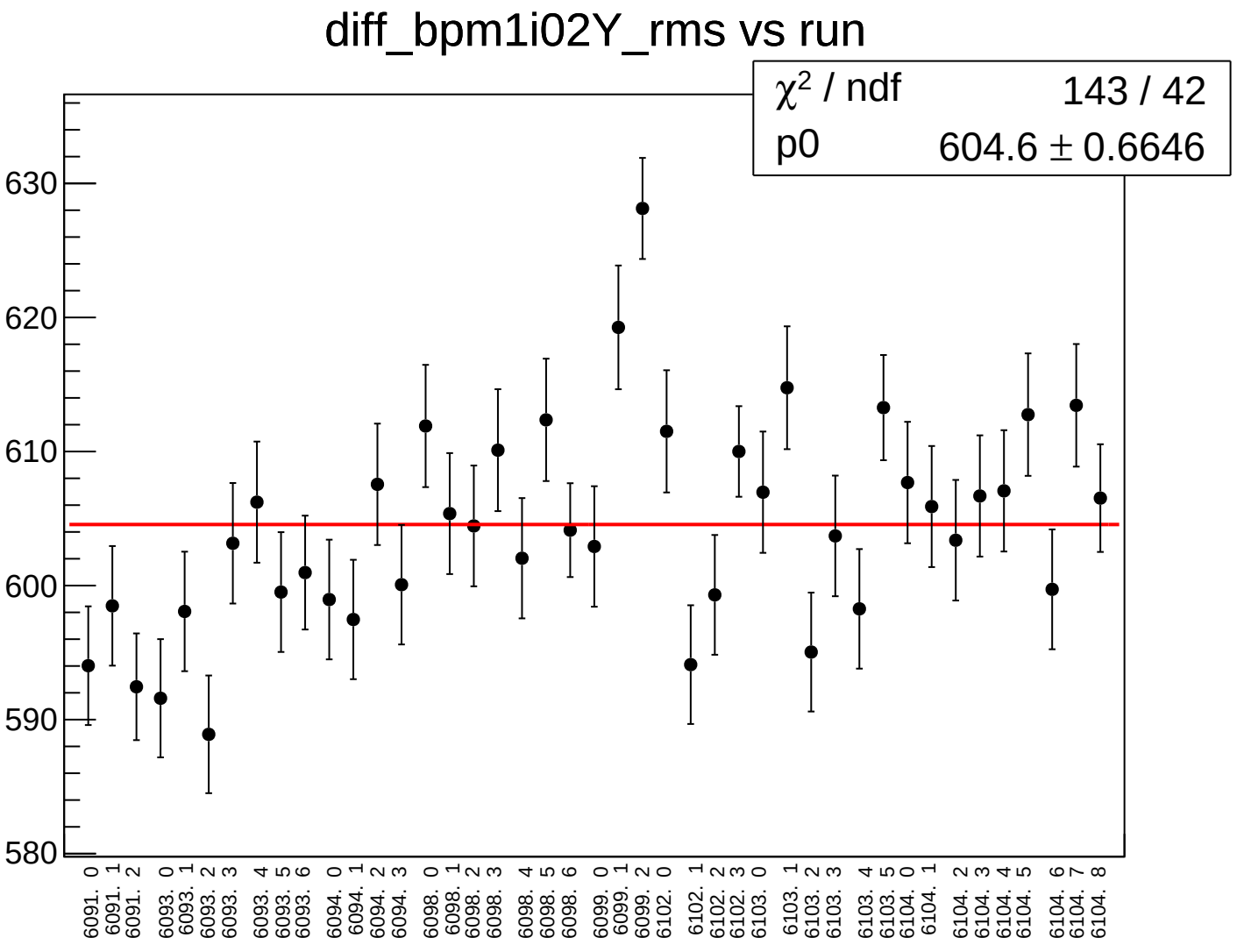

diff_bpm1i02X_mean vs run
χ^2 / ndf 75.14 / 42
p0 −32.64 ± 1.441
pull
Entries 43
Mean 44.31
Std Dev 89.07

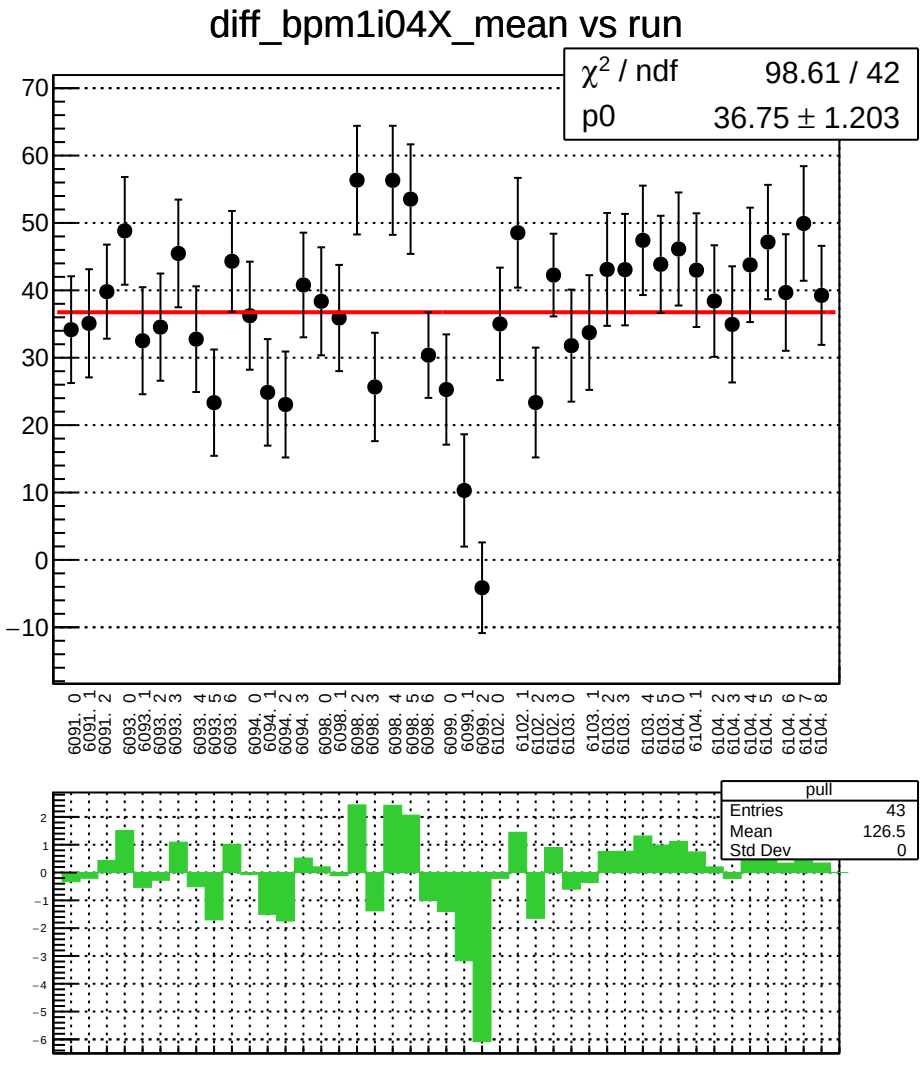

pull1D
Entries 43
Mean −0.006619
Std Dev 1.322

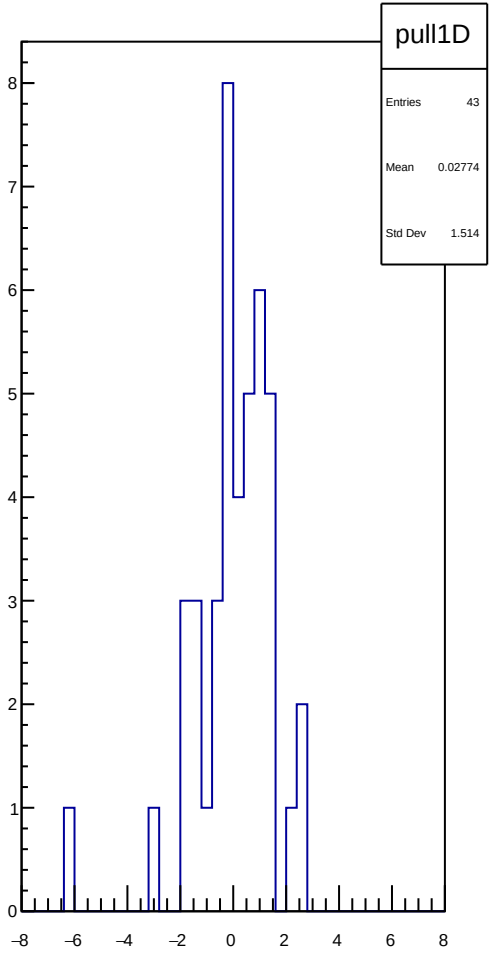

diff_bpm1i02X_rms vs run
χ² / ndf 425 / 42
p0 926.8 ± 1.019
1000
980
960
940
920
900
880
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

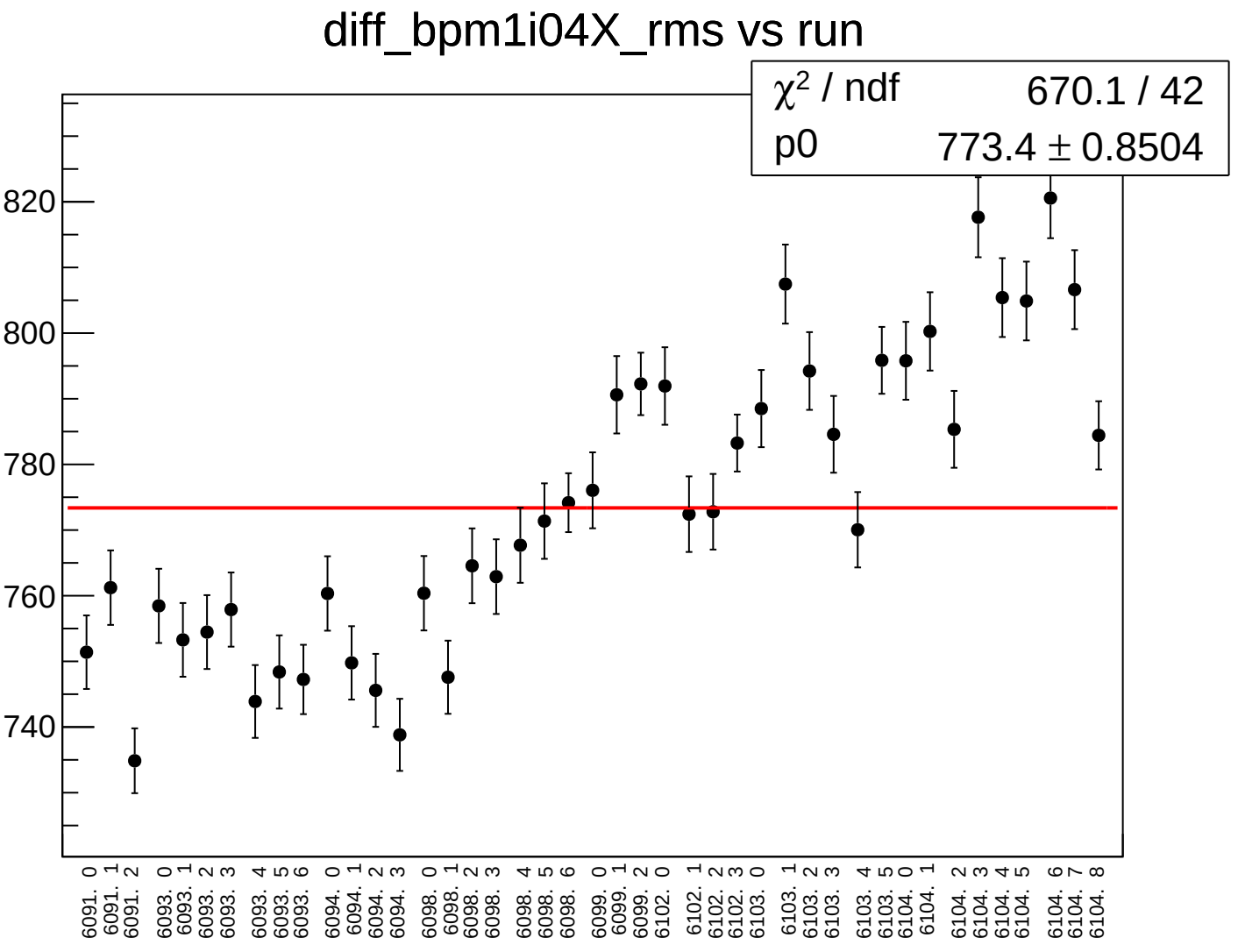

diff_bpm1i02Y_mean vs run
χ² / ndf 80.5 / 42
p0 41.45 ± 0.9399
pull
Entries 43
Mean 402.7
Std Dev 0

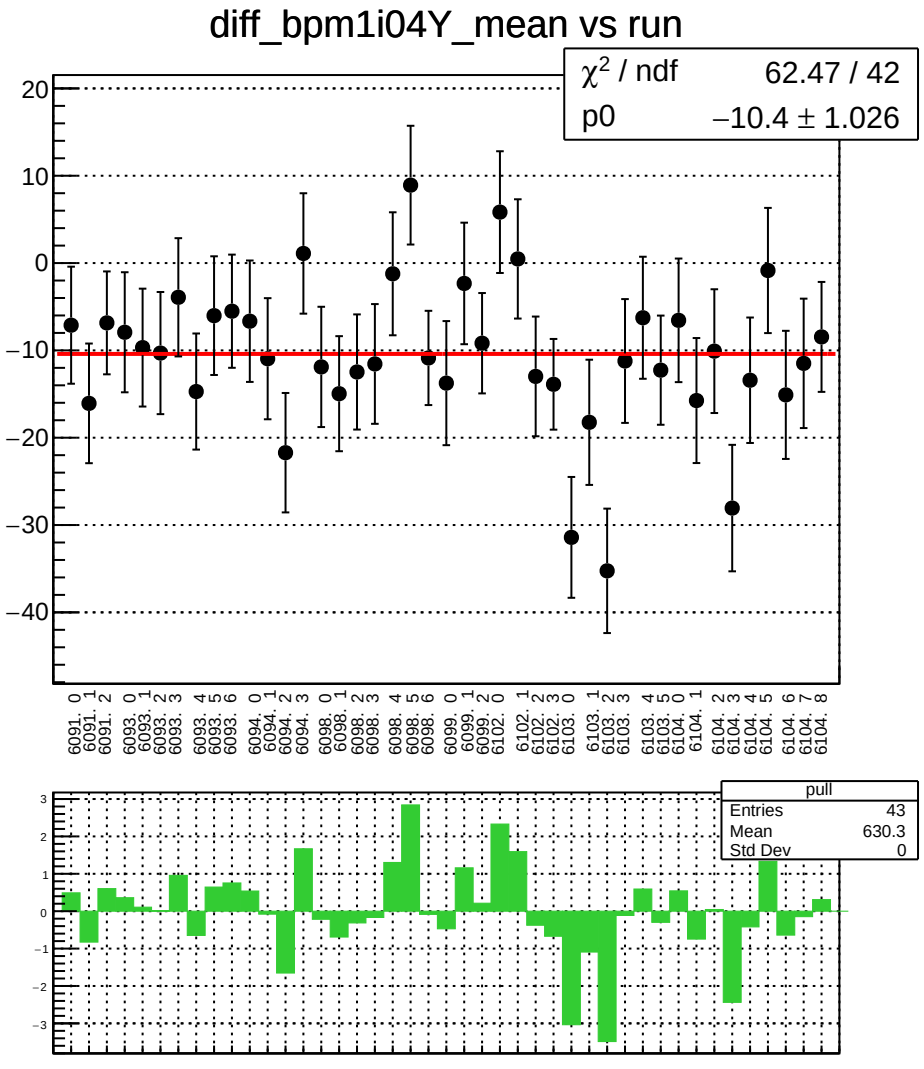

pull1D
Entries 43
Mean 0.009295
Std Dev 1.368

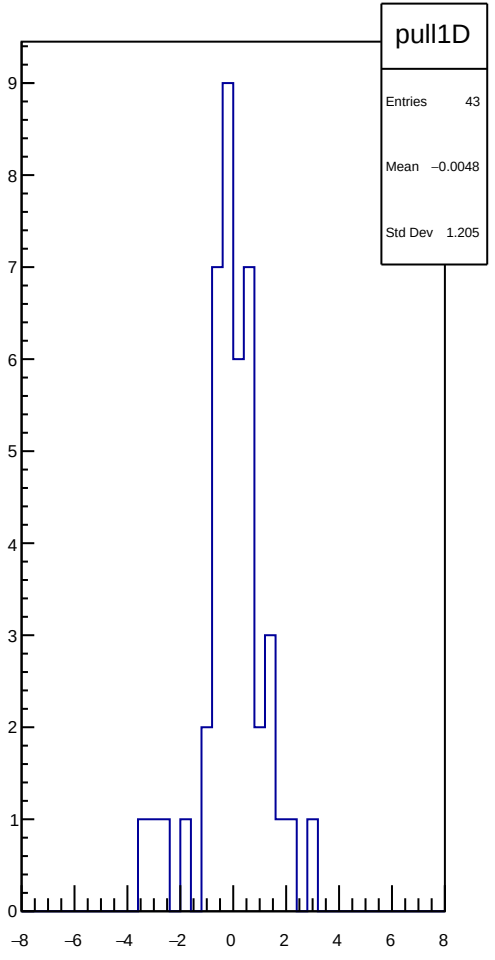

diff_bpm1i02Y_rms vs run
χ² / ndf 143 / 42
p0 604.6 ± 0.6646
630
620
610
600
590
580
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

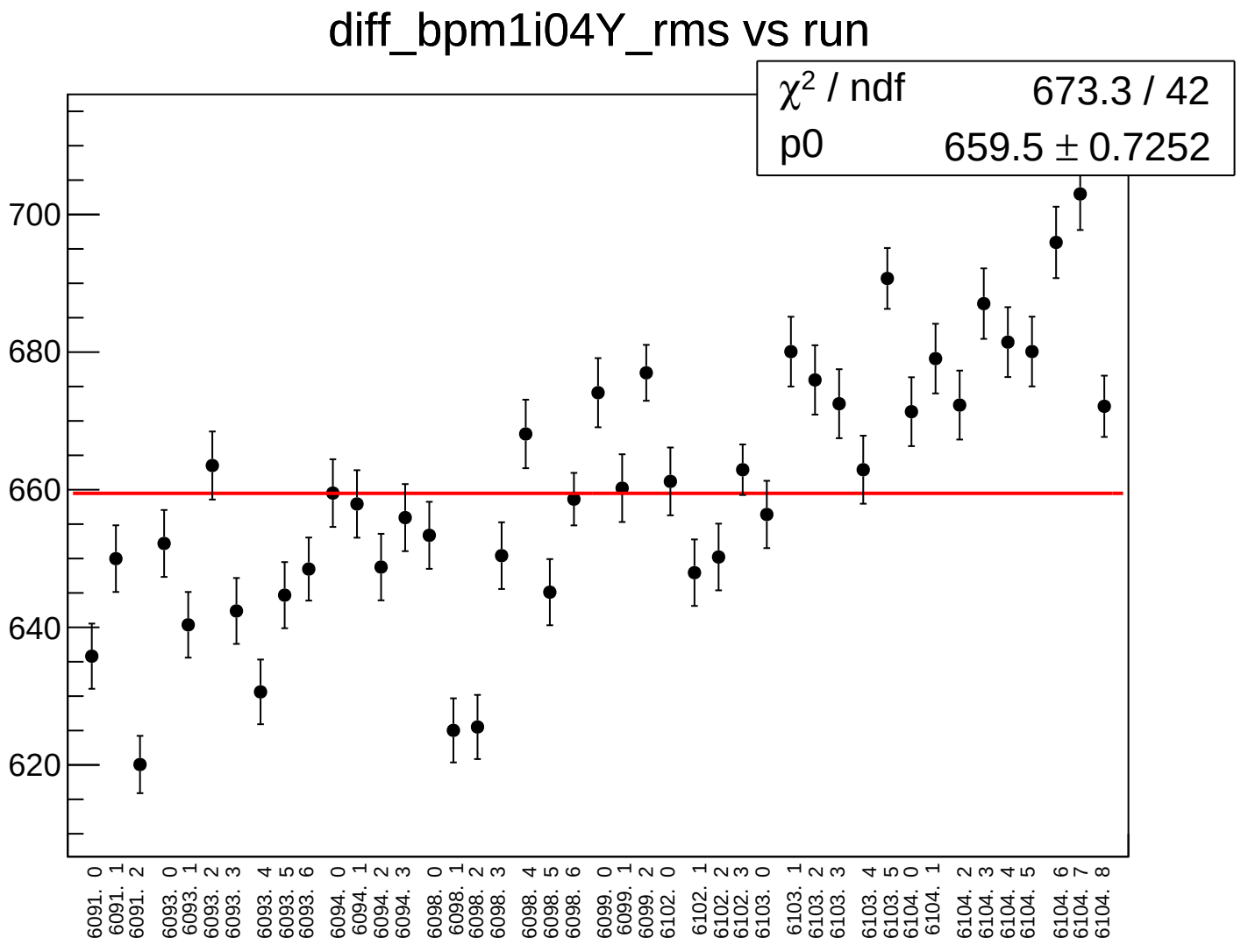

diff_bpm1i04X_mean vs run
χ^2 / ndf 98.61 / 42
p0 36.75 ± 1.203
pull
Entries 43
Mean 126.5
Std Dev 0

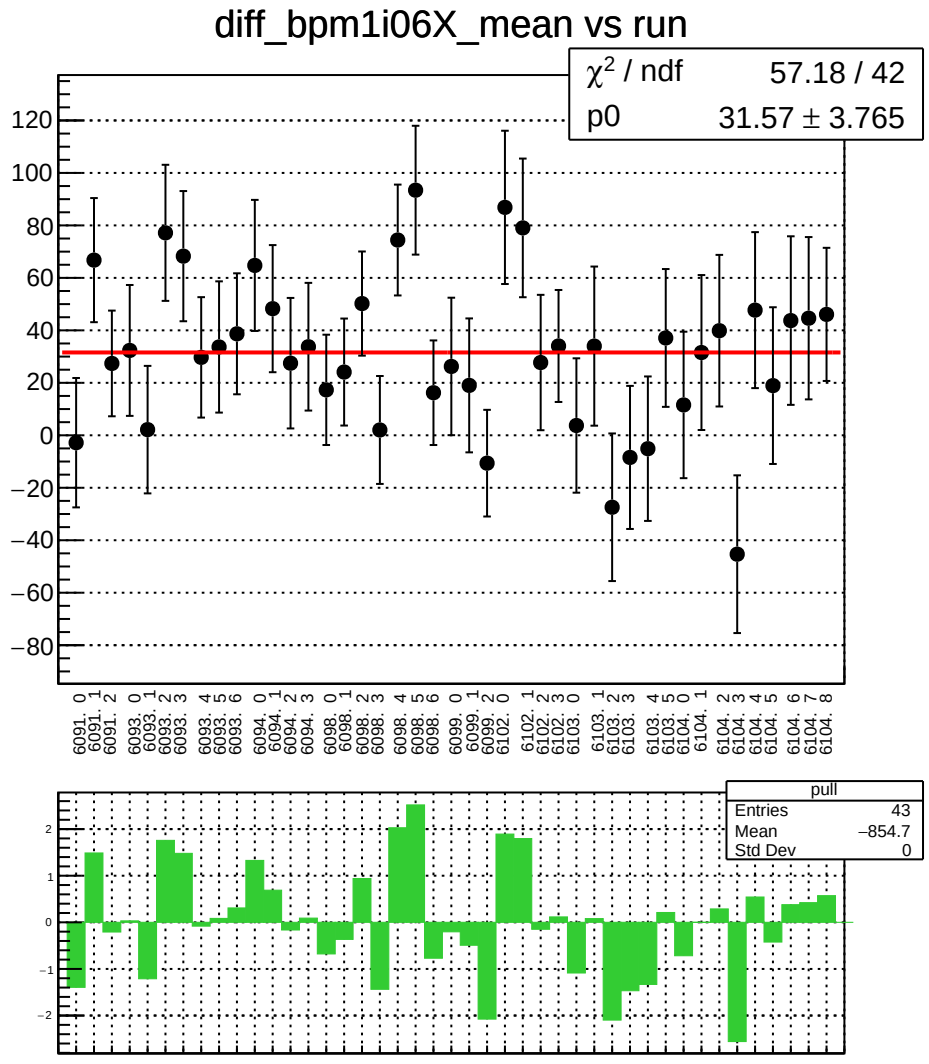

pull1D
Entries 43
Mean 0.02774
Std Dev 1.514

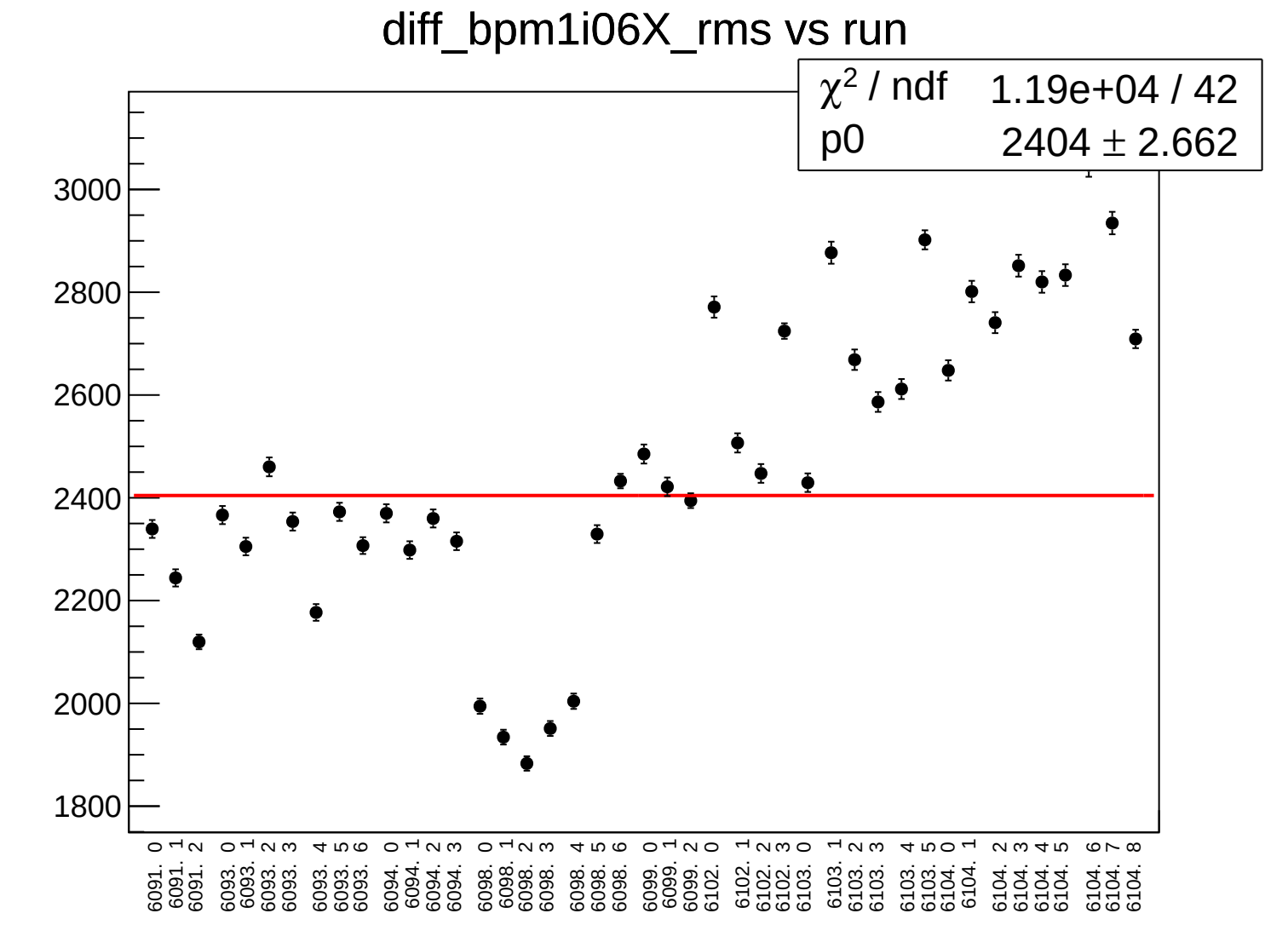

diff_bpm1i04X_rms vs run
χ² / ndf 670.1 / 42
p0 773.4 ± 0.8504
820
800
780
760
740
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

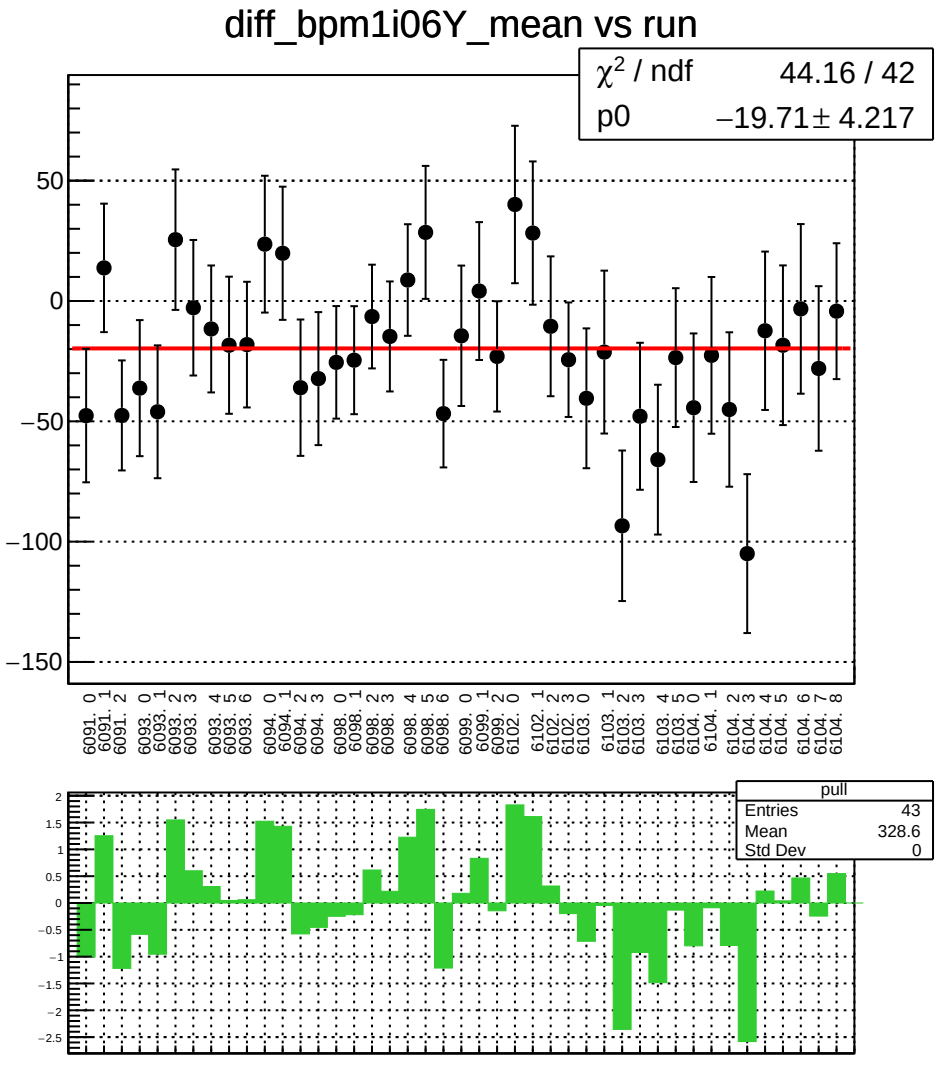

diff_bpm1i04Y_mean vs run
χ² / ndf 62.47 / 42
p0 −10.4 ± 1.026
pull
Entries 43
Mean 630.3
Std Dev 0

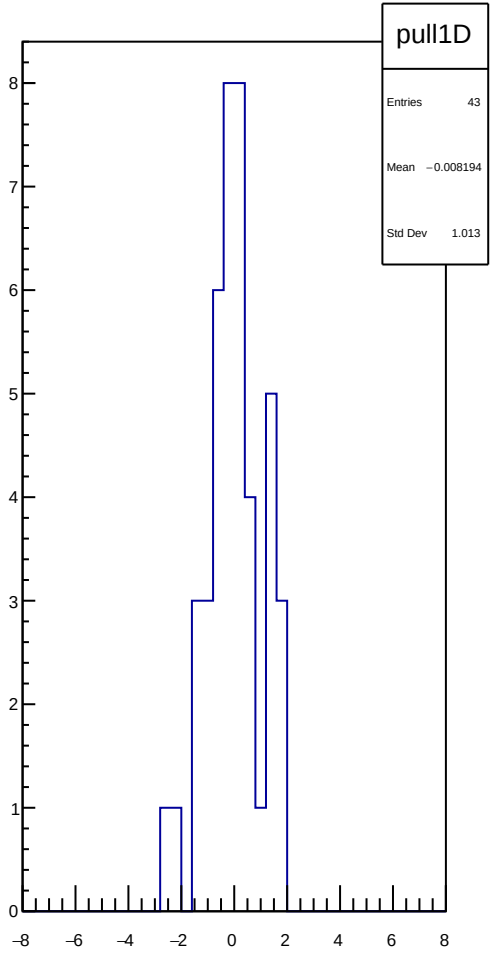

pull1D
Entries 43
Mean −0.0048
Std Dev 1.205

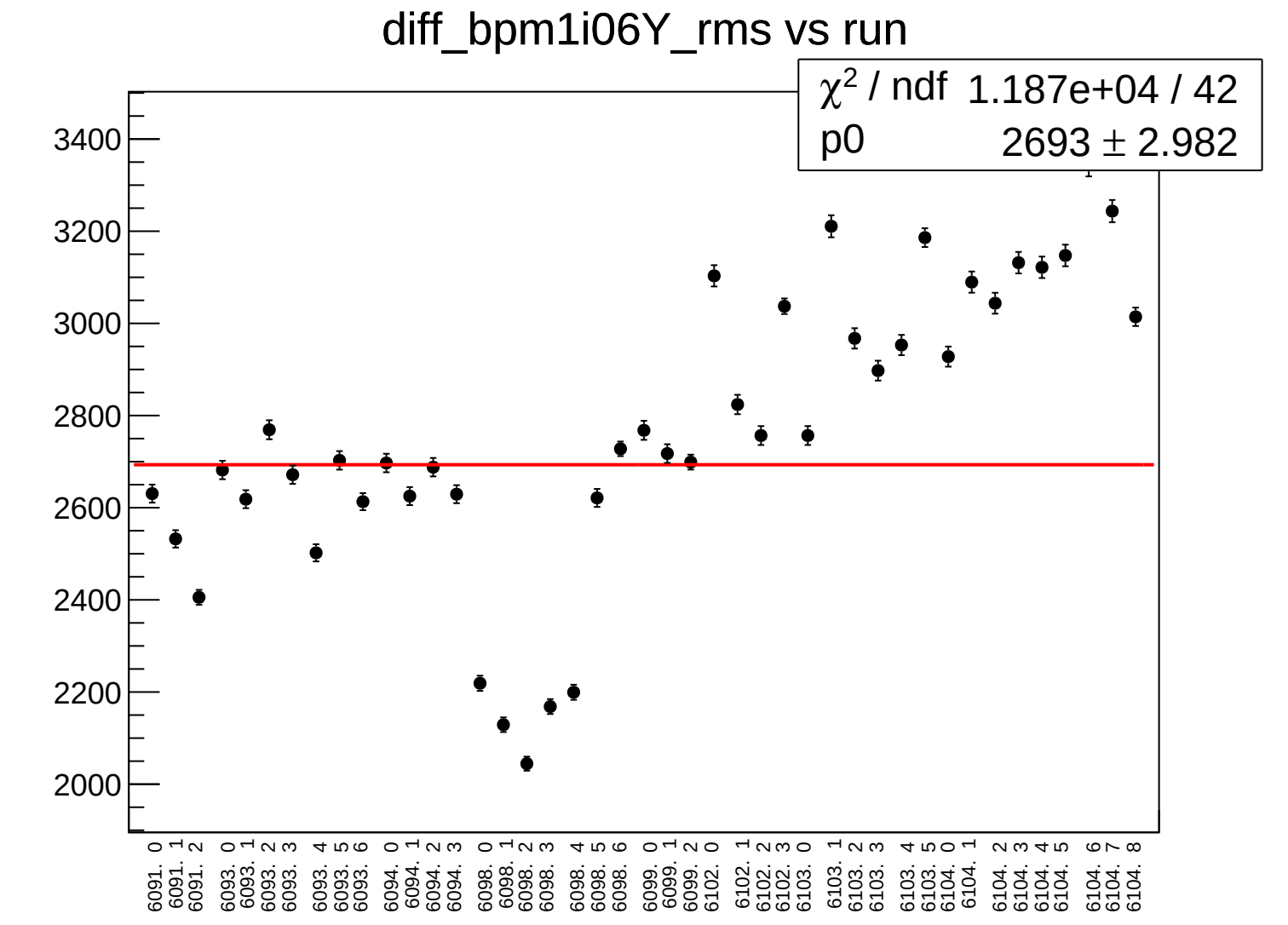

diff_bpm1i04Y_rms vs run
χ² / ndf 673.3 / 42
p0 659.5 ± 0.7252
700
680
660
640
620
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

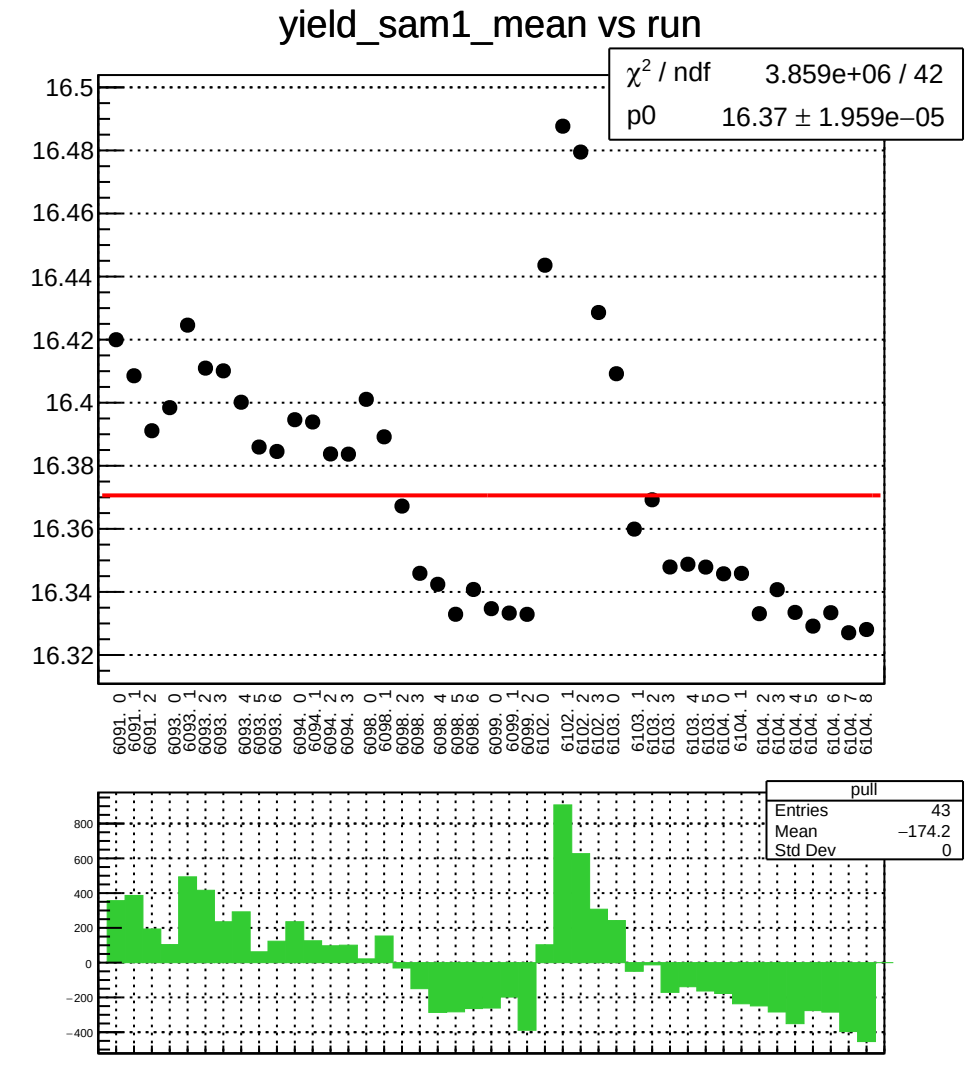

diff_bpm1i06X_mean vs run
χ² / ndf 57.18 / 42
p0 31.57 ± 3.765
pull
Entries 43
Mean −854.7
Std Dev 0
pull1D
Entries 43
Mean 0.003046
Std Dev 1.153

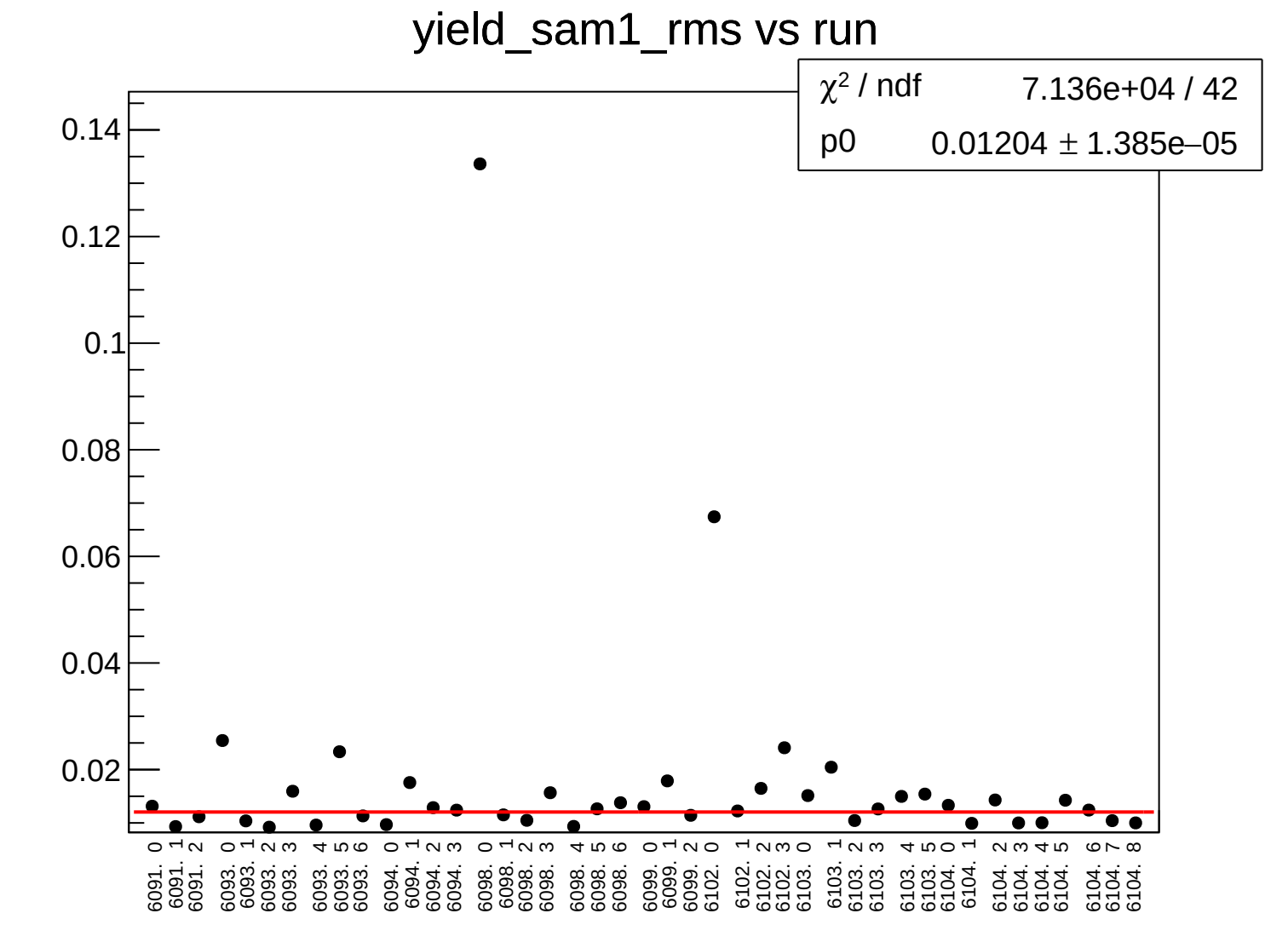

diff_bpm1i06X_rms vs run
χ² / ndf 1.19e+04 / 42
p0 2404 ± 2.662
3000
2800
2600
2400
2200
2000
1800
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

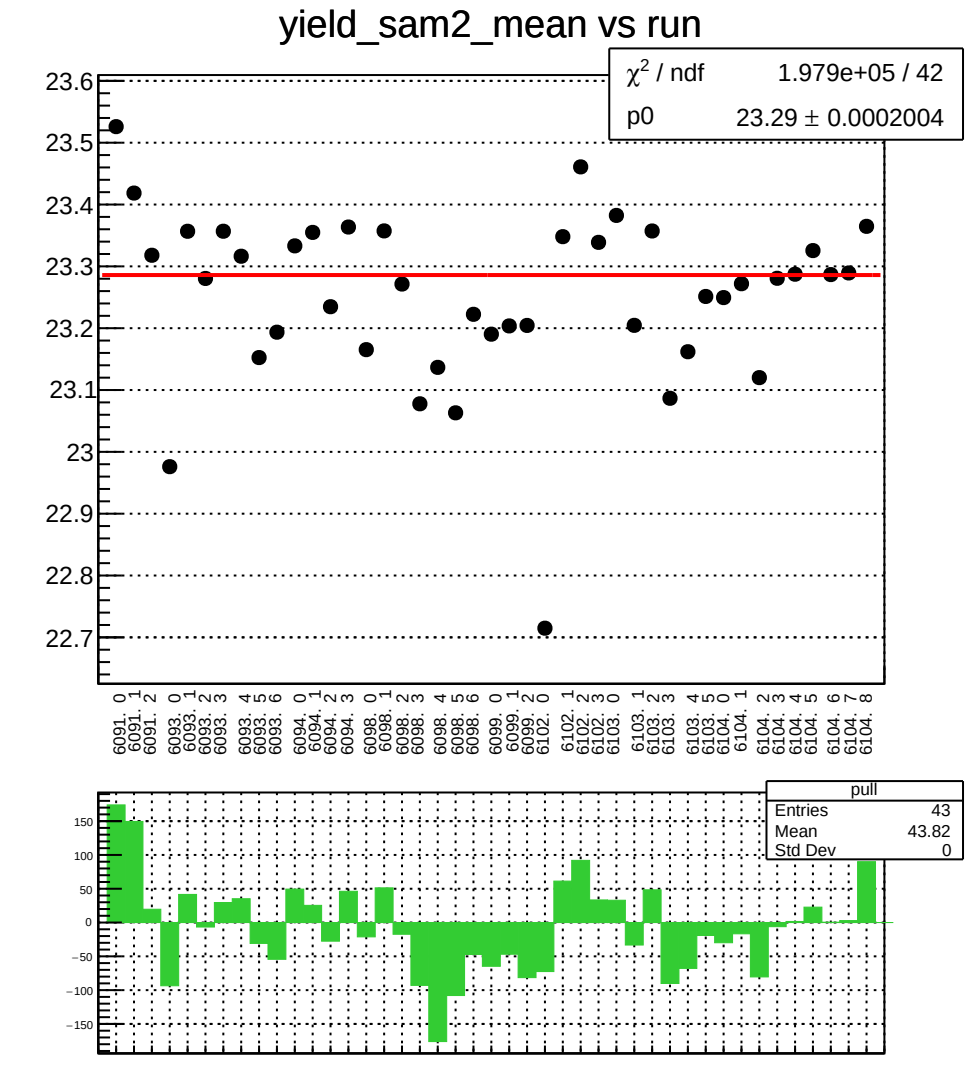

diff_bpm1i06Y_mean vs run
χ² / ndf 44.16 / 42
p0 −19.71± 4.217
50
0
−50
−100
−150
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 328.6
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

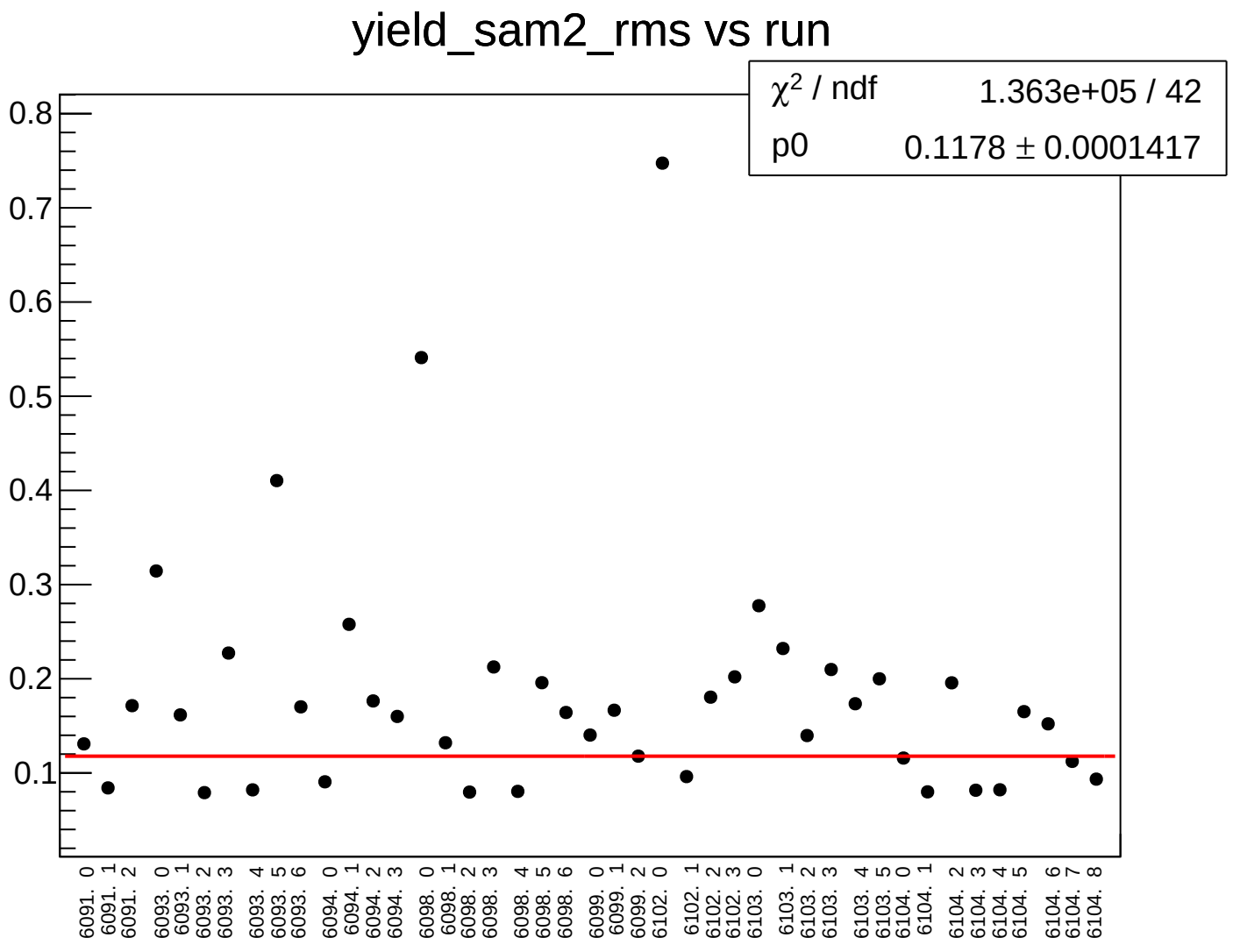

pull1D
Entries 43
Mean −0.008194
Std Dev 1.013
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

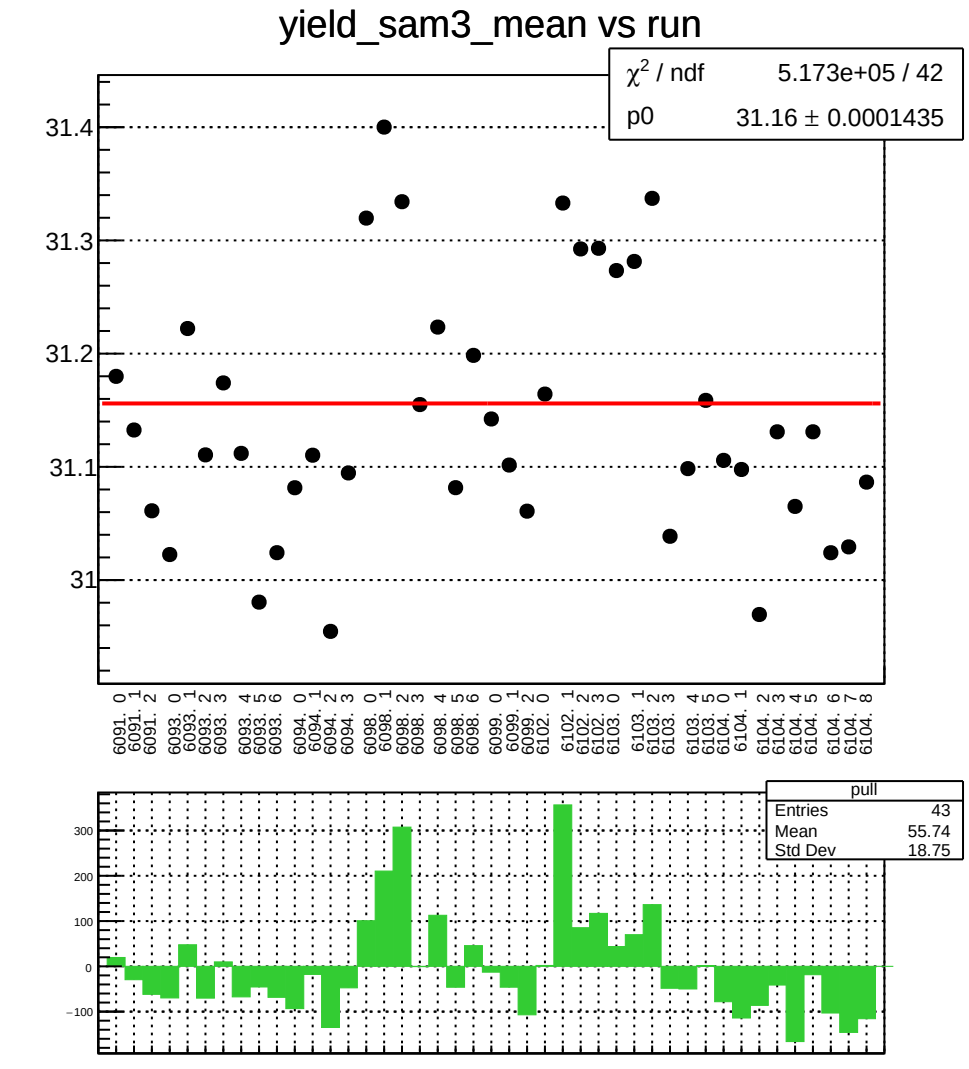

diff_bpm1i06Y_rms vs run
χ² / ndf 1.187e+04 / 42
p0 2693 ± 2.982
3400
3200
3000
2800
2600
2400
2200
2000
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

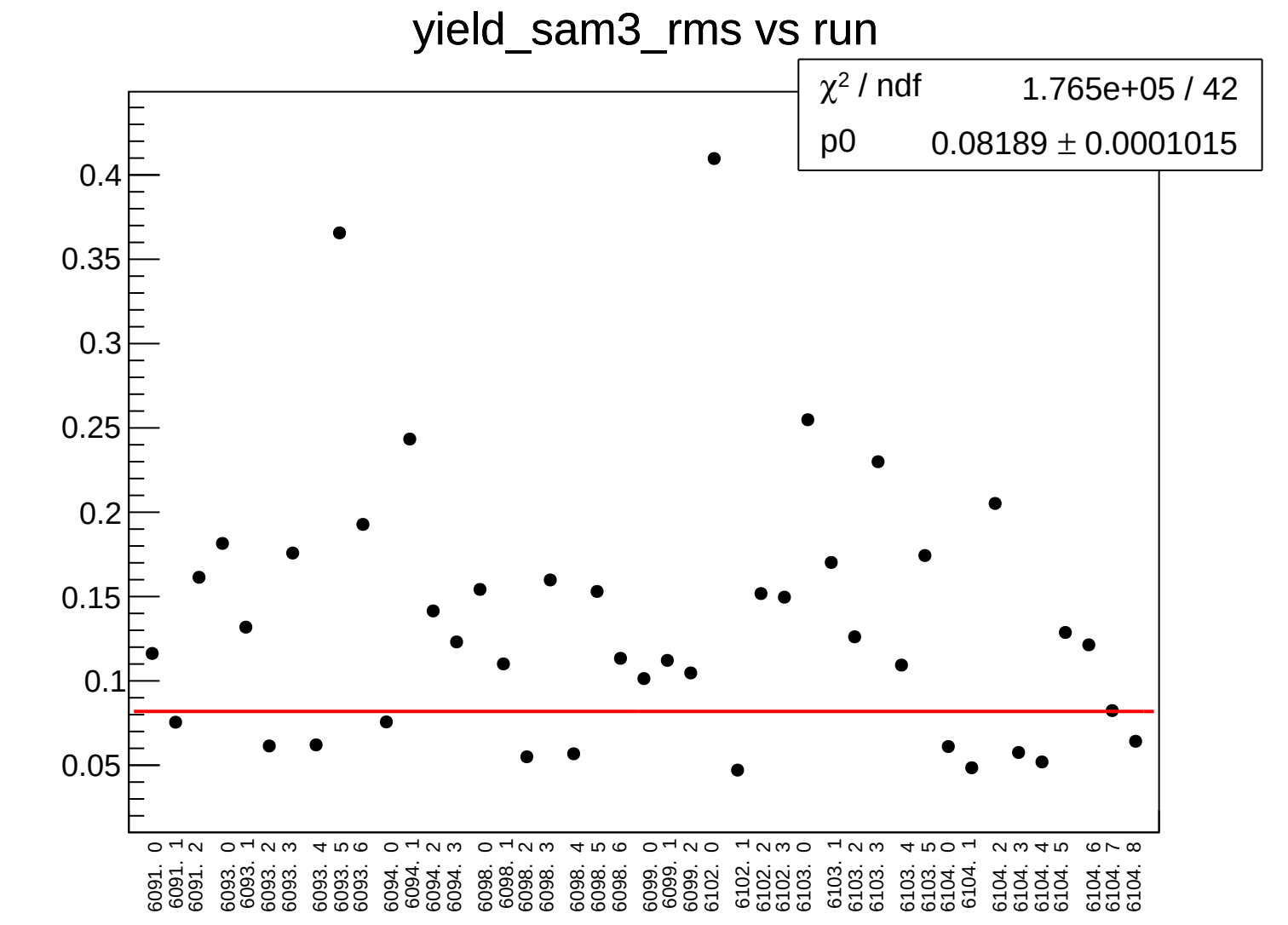

yield_sam1_mean vs run
χ² / ndf 3.859e+06 / 42
p0 16.37 ± 1.959e−05
16.5
16.48
16.46
16.44
16.42
16.4
16.38
16.36
16.34
16.32
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean −174.2
Std Dev 0
800
600
400
200
0
−200
−400
pull1D
Entries 43
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

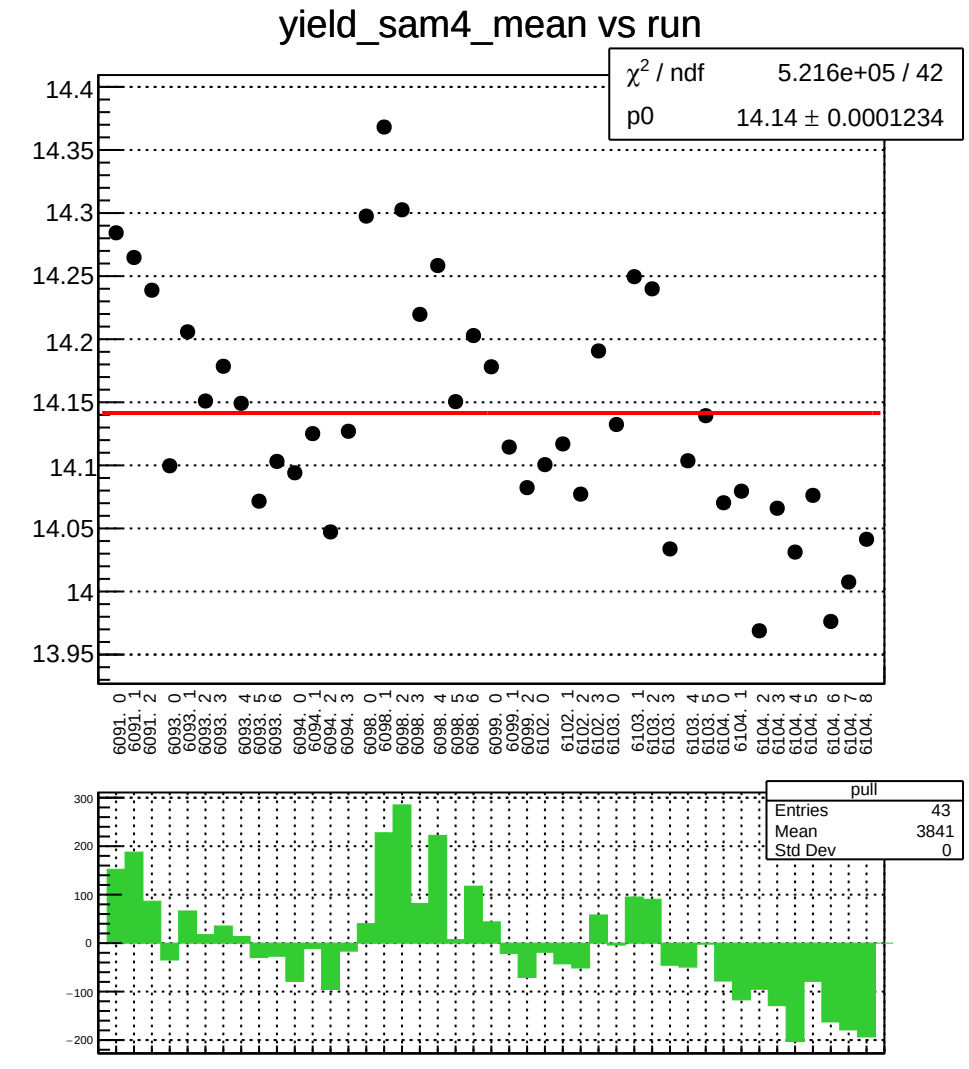

yield_sam1_rms vs run
χ² / ndf 7.136e+04 / 42
p0 0.01204 ± 1.385e−05
0.14
0.12
0.1
0.08
0.06
0.04
0.02
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

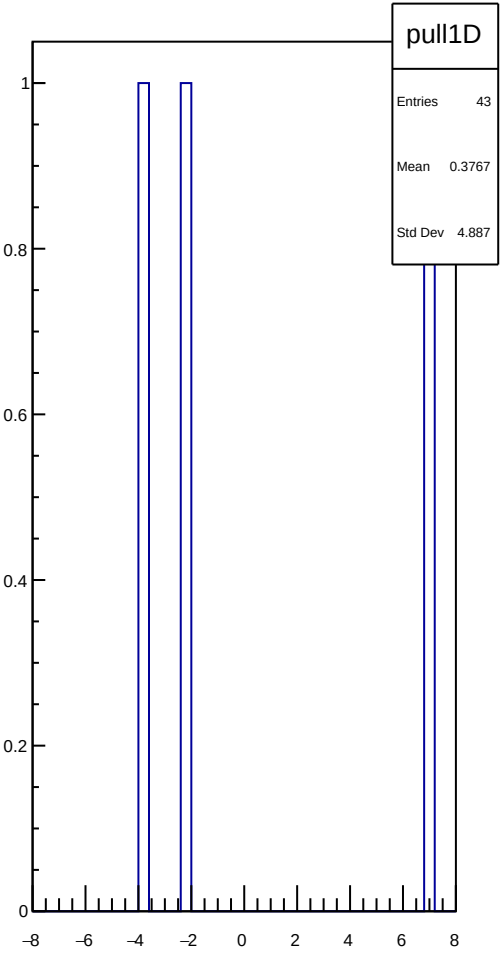

yield_sam2_mean vs run
χ² / ndf 1.979e+05 / 42
p0 23.29 ± 0.0002004
23.6
23.5
23.4
23.3
23.2
23.1
23
22.9
22.8
22.7
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 43.82
Std Dev 0
150
100
50
0
−50
−100
−150
pull1D
Entries 43
Mean −1.558
Std Dev 3.98
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

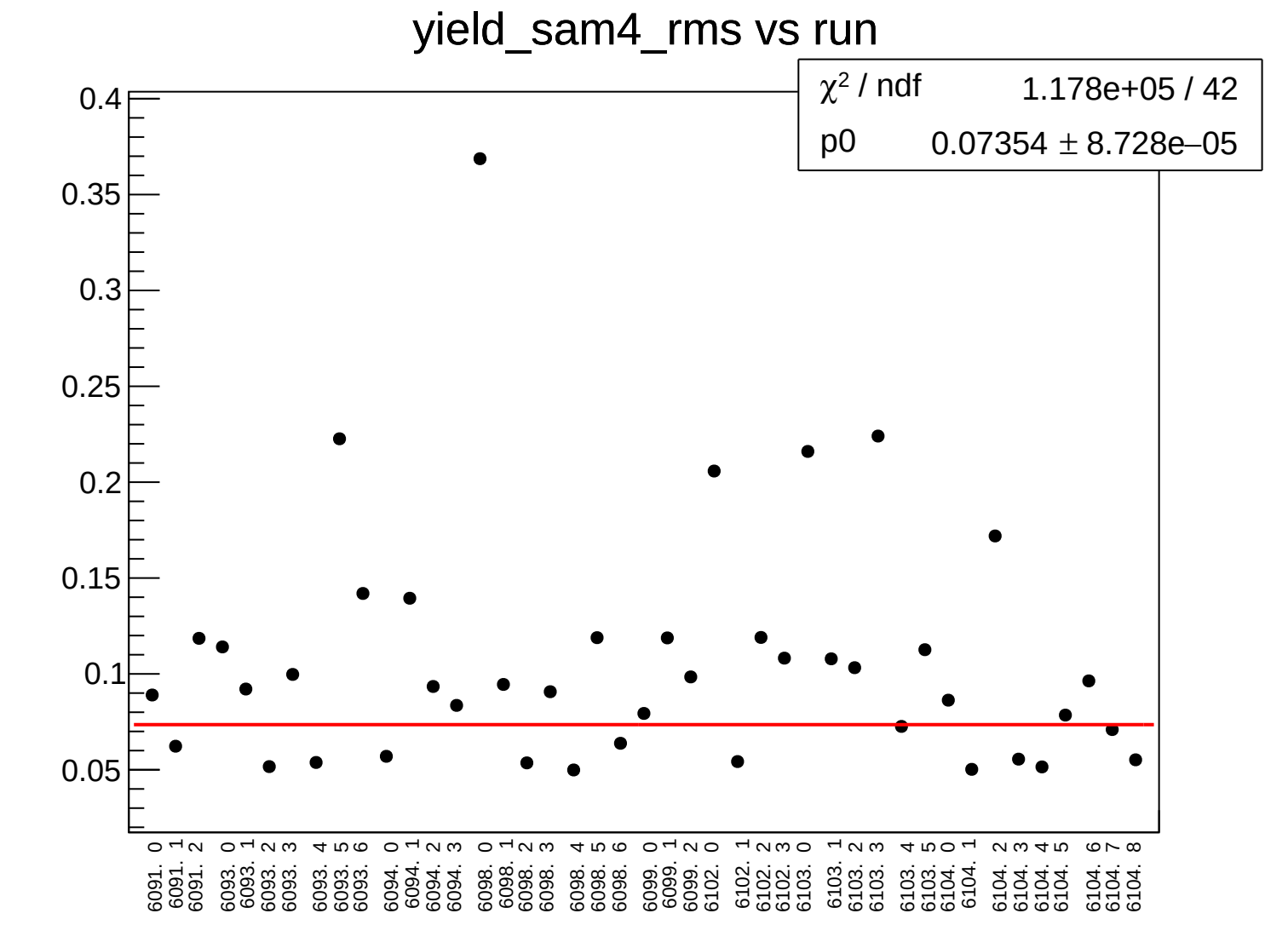

yield_sam2_rms vs run
χ² / ndf 1.363e+05 / 42
p0 0.1178 ± 0.0001417
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

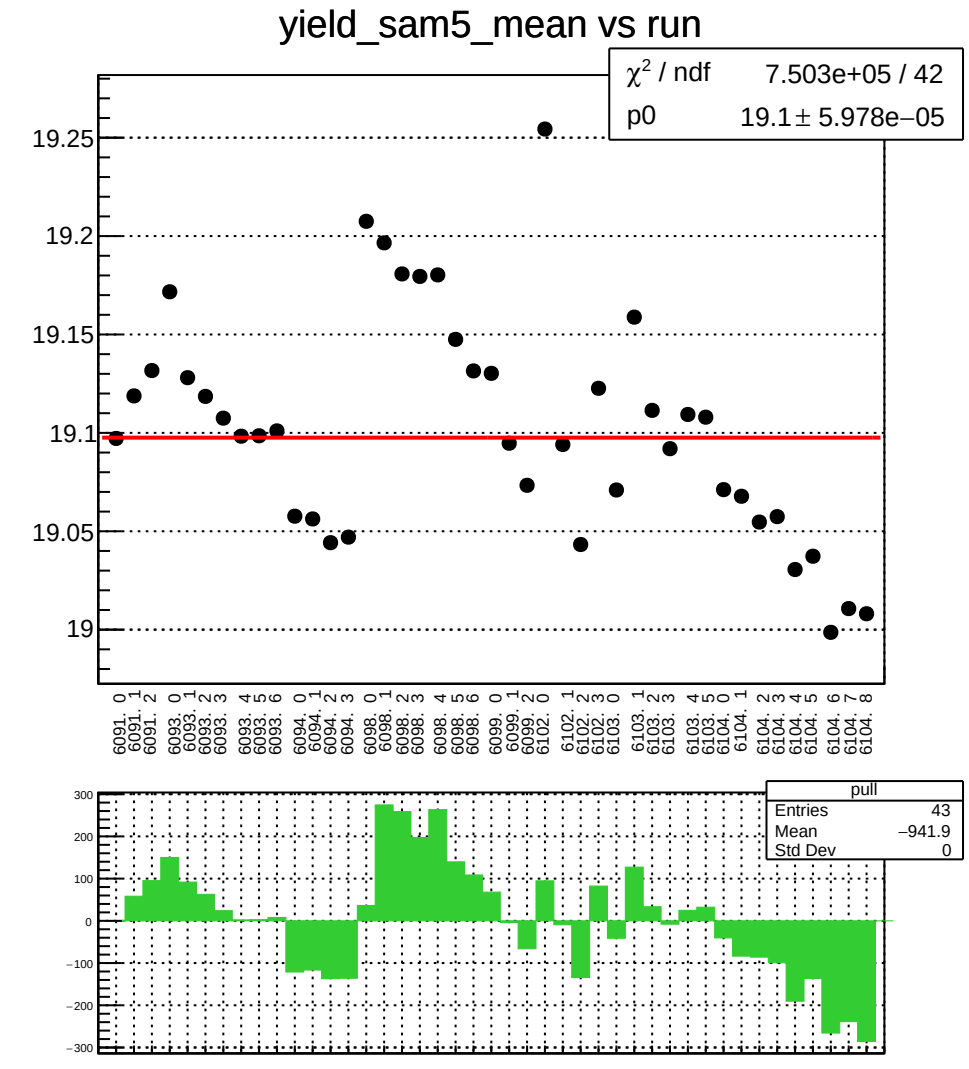

yield_sam3_mean vs run
χ² / ndf 5.173e+05 / 42
p0 31.16 ± 0.0001435
31.4
31.3
31.2
31.1
31
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 55.74
Std Dev 18.75
300
200
100
0
−100
pull1D
Entries 43
Mean 1.022
Std Dev 1.136
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

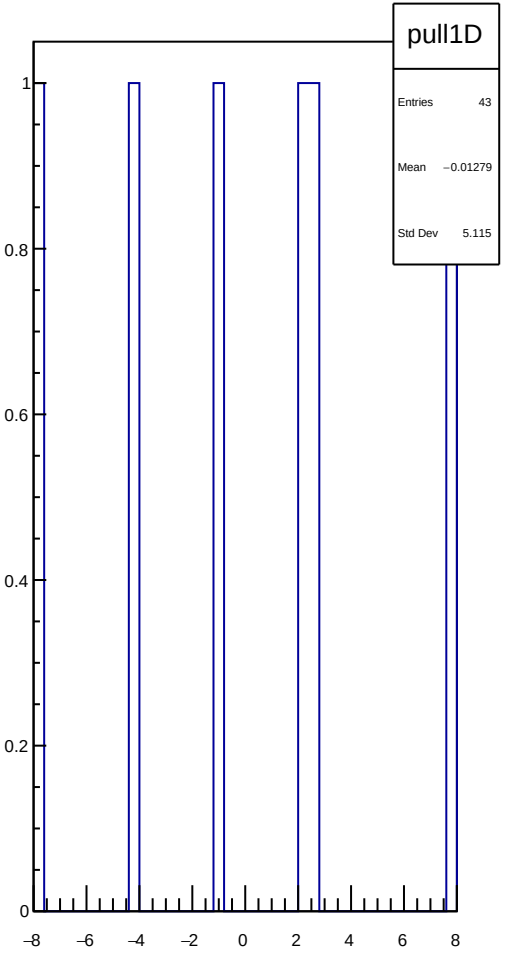

yield_sam3_rms vs run
χ² / ndf 1.765e+05 / 42
p0 0.08189 ± 0.0001015
0.4
0.35
0.3
0.25
0.2
0.15
0.1
0.05
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

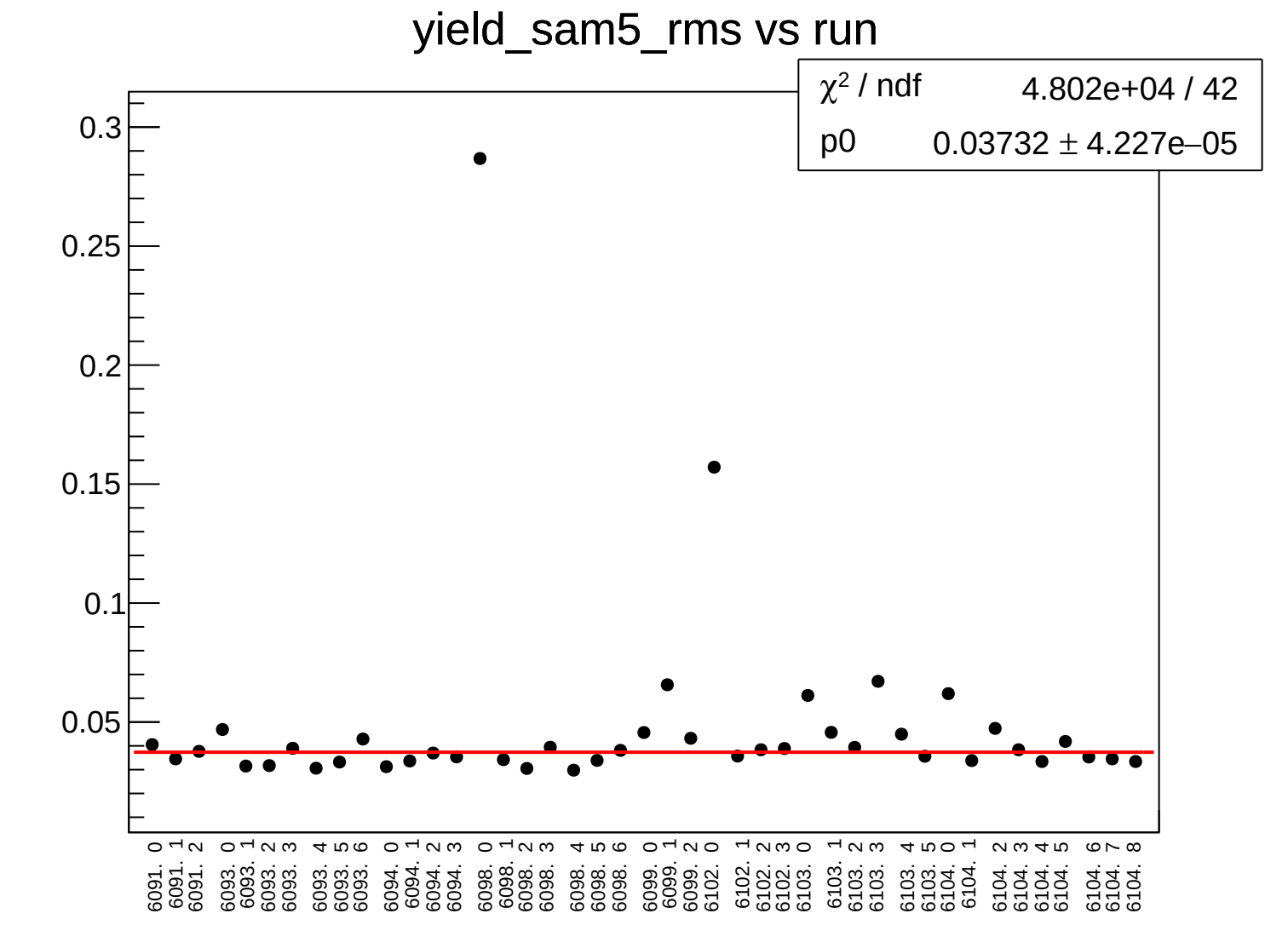

yield_sam4_mean vs run
χ² / ndf 5.216e+05 / 42
p0 14.14 ± 0.0001234
14.4
14.35
14.3
14.25
14.2
14.15
14.1
14.05
14
13.95
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 3841
Std Dev 0
300
200
100
0
−100
−200

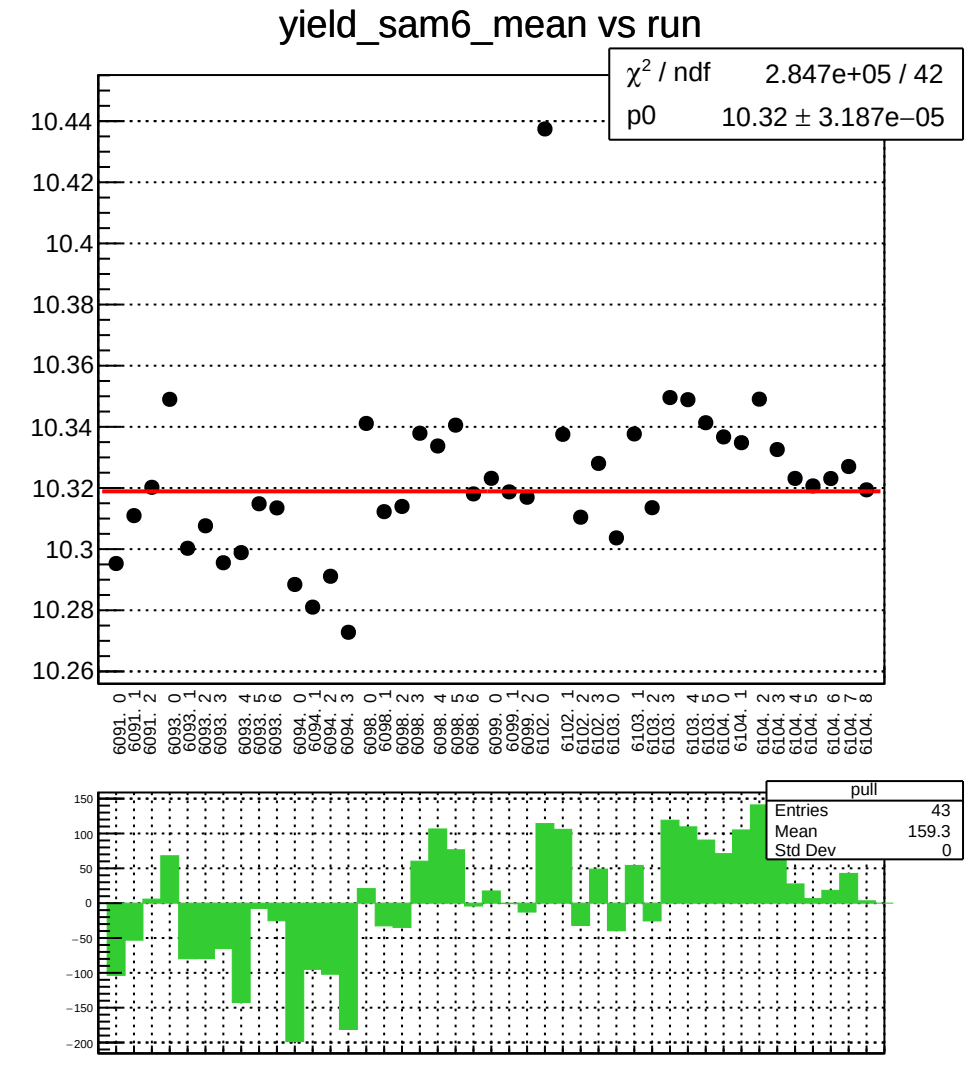

pull1D
Entries 43
Mean 0.3767
Std Dev 4.887
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

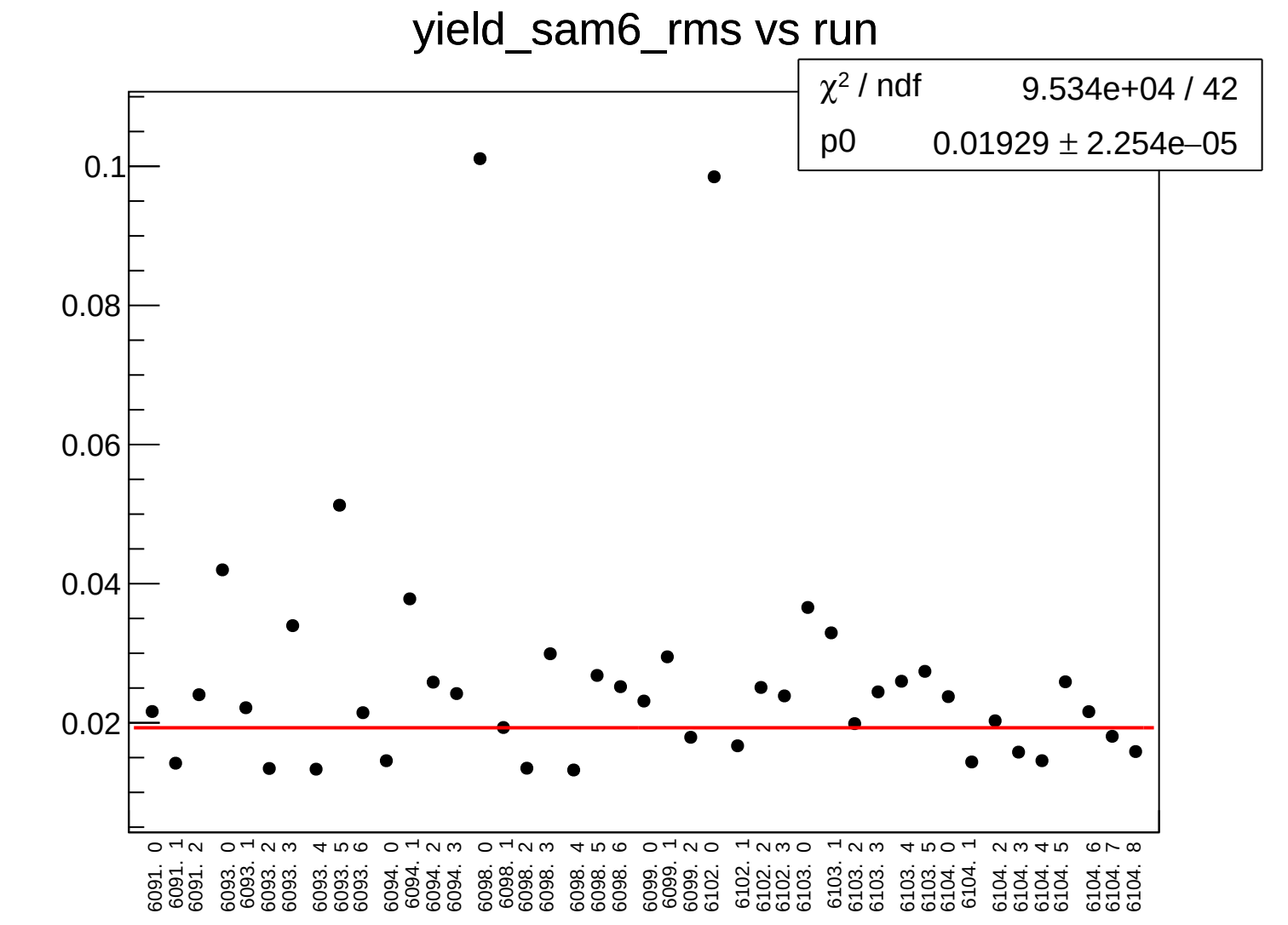

yield_sam4_rms vs run
χ² / ndf 1.178e+05 / 42
p0 0.07354 ± 8.728e–05
0.4
0.35
0.3
0.25
0.2
0.15
0.1
0.05
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

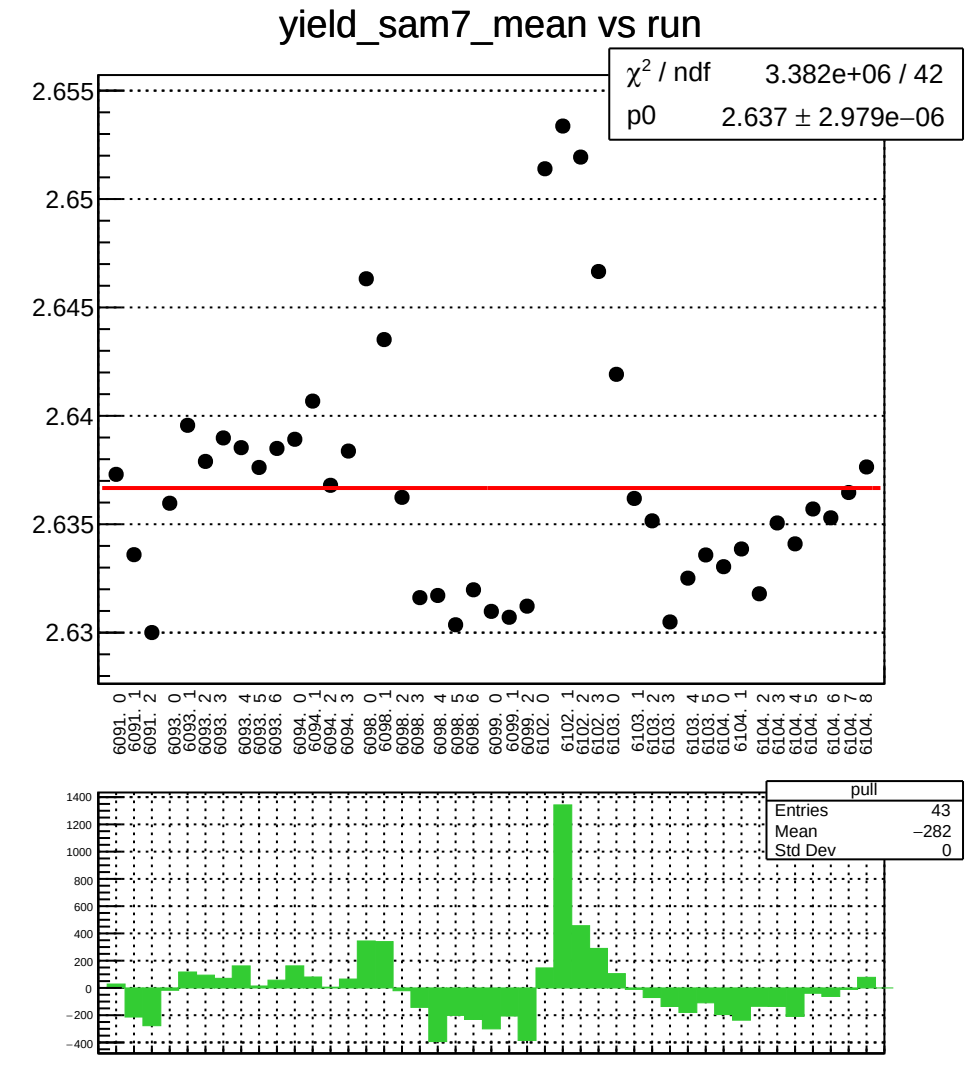

yield_sam5_mean vs run
χ² / ndf 7.503e+05 / 42
p0 19.1 ± 5.978e−05
19.25
19.2
19.15
19.1
19.05
19
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean −941.9
Std Dev 0
300
200
100
0
−100
−200
−300

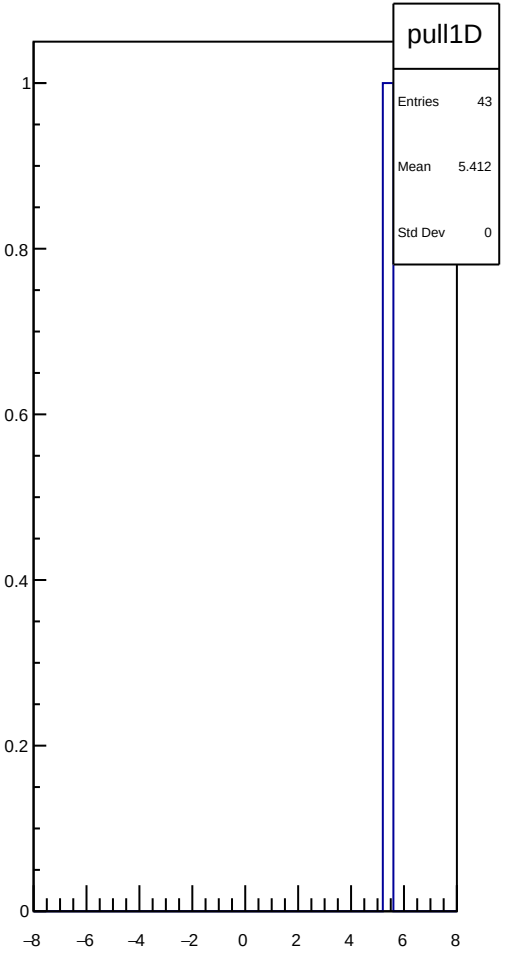

pull1D
Entries 43
Mean −0.01279
Std Dev 5.115
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

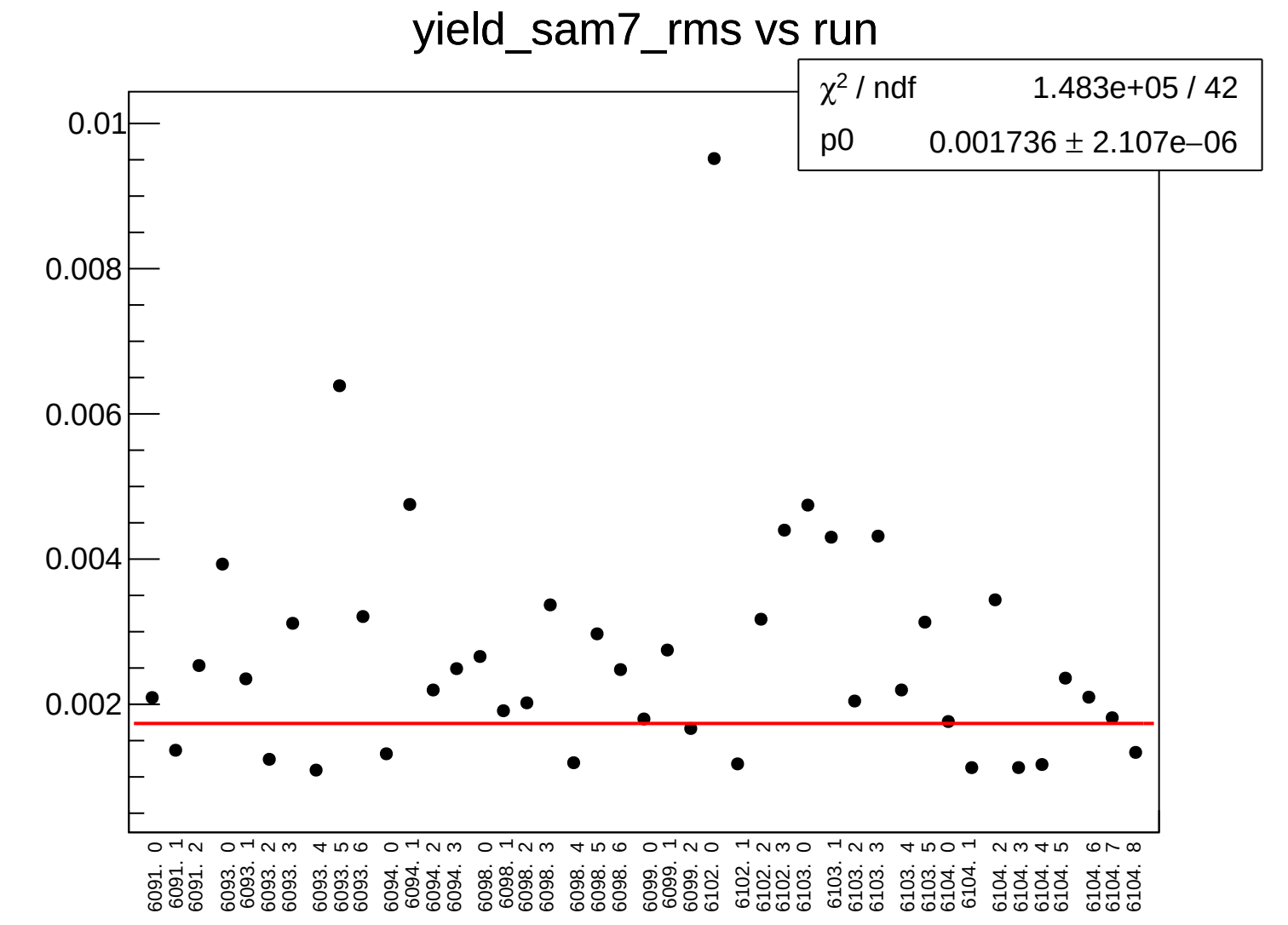

yield_sam5_rms vs run
χ² / ndf 4.802e+04 / 42
p0 0.03732 ± 4.227e–05
0.3
0.25
0.2
0.15
0.1
0.05
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

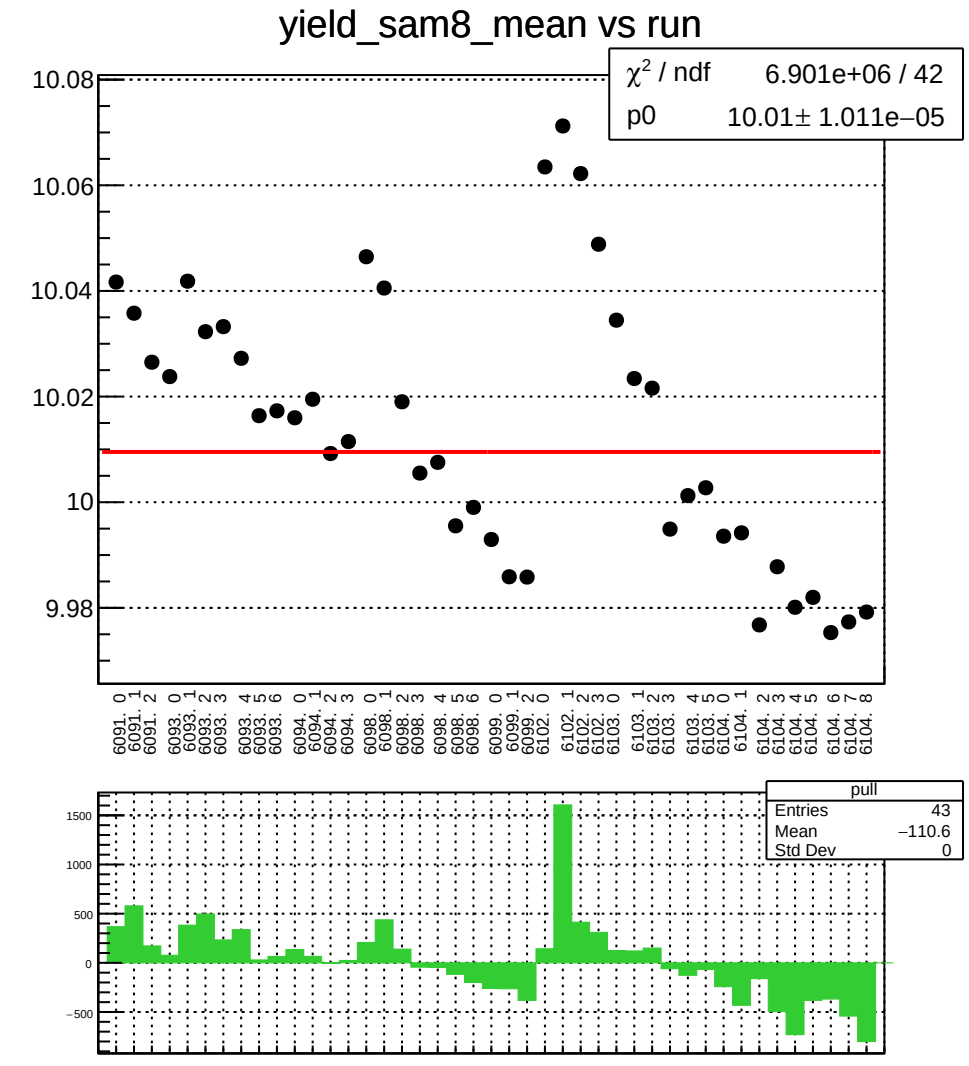

yield_sam6_mean vs run
χ² / ndf 2.847e+05 / 42
p0 10.32 ± 3.187e−05
10.44
10.42
10.4
10.38
10.36
10.34
10.32
10.3
10.28
10.26
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 159.3
Std Dev 0
150
100
50
0
−50
−100
−150
−200
pull1D
Entries 43
Mean 0.5865
Std Dev 5.137
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

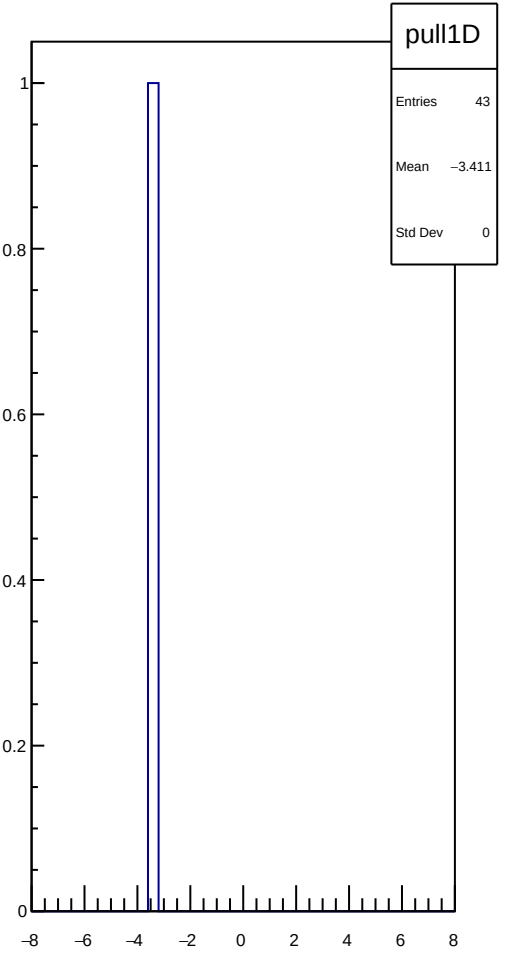

yield_sam6_rms vs run
χ² / ndf 9.534e+04 / 42
p0 0.01929 ± 2.254e−05
0.1
0.08
0.06
0.04
0.02
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

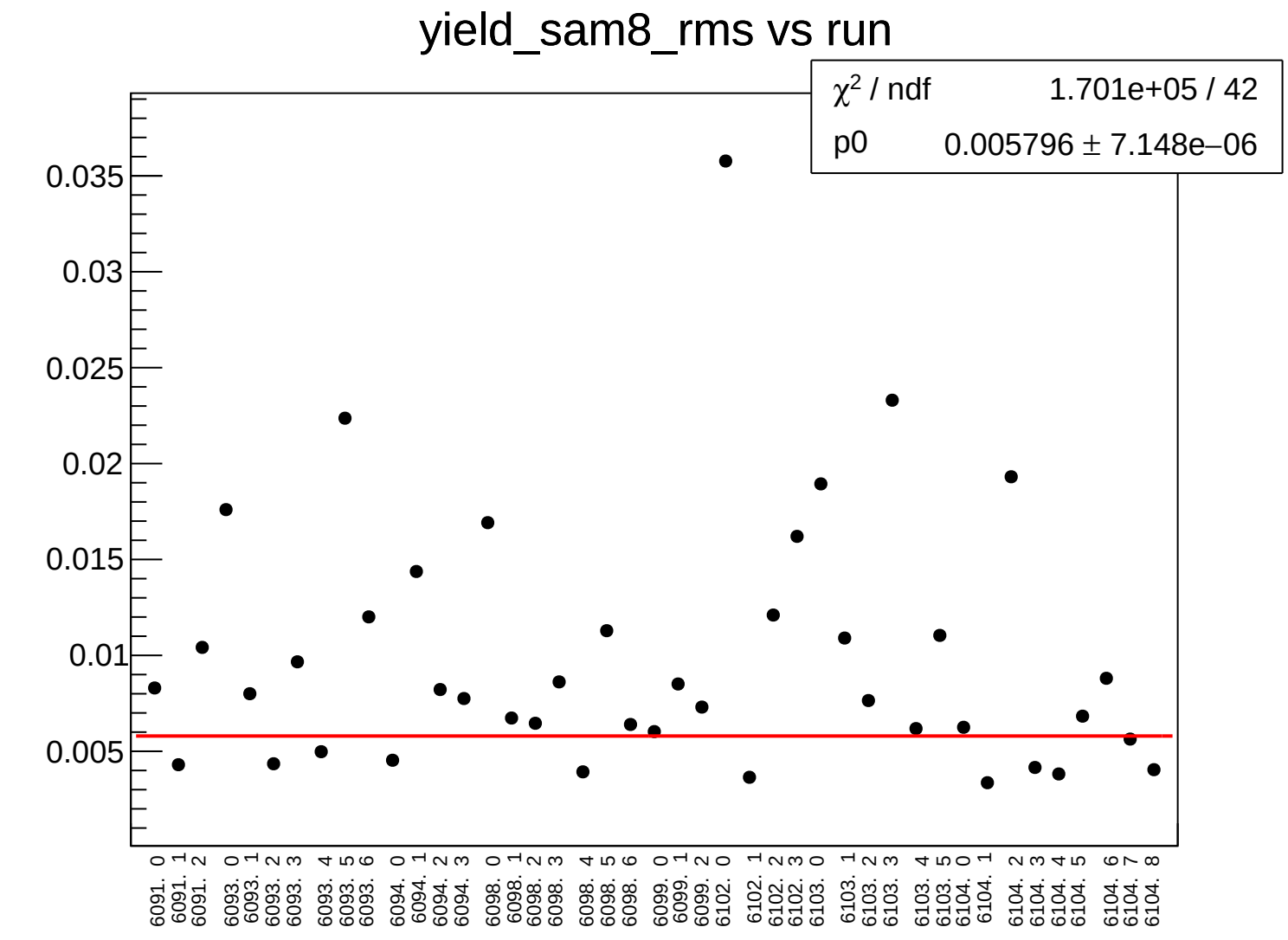

yield_sam7_mean vs run
χ² / ndf 3.382e+06 / 42
p0 2.637 ± 2.979e−06
2.655
2.65
2.645
2.64
2.635
2.63
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean −282
Std Dev 0
1400
1200
1000
800
600
400
200
0
−200
−400

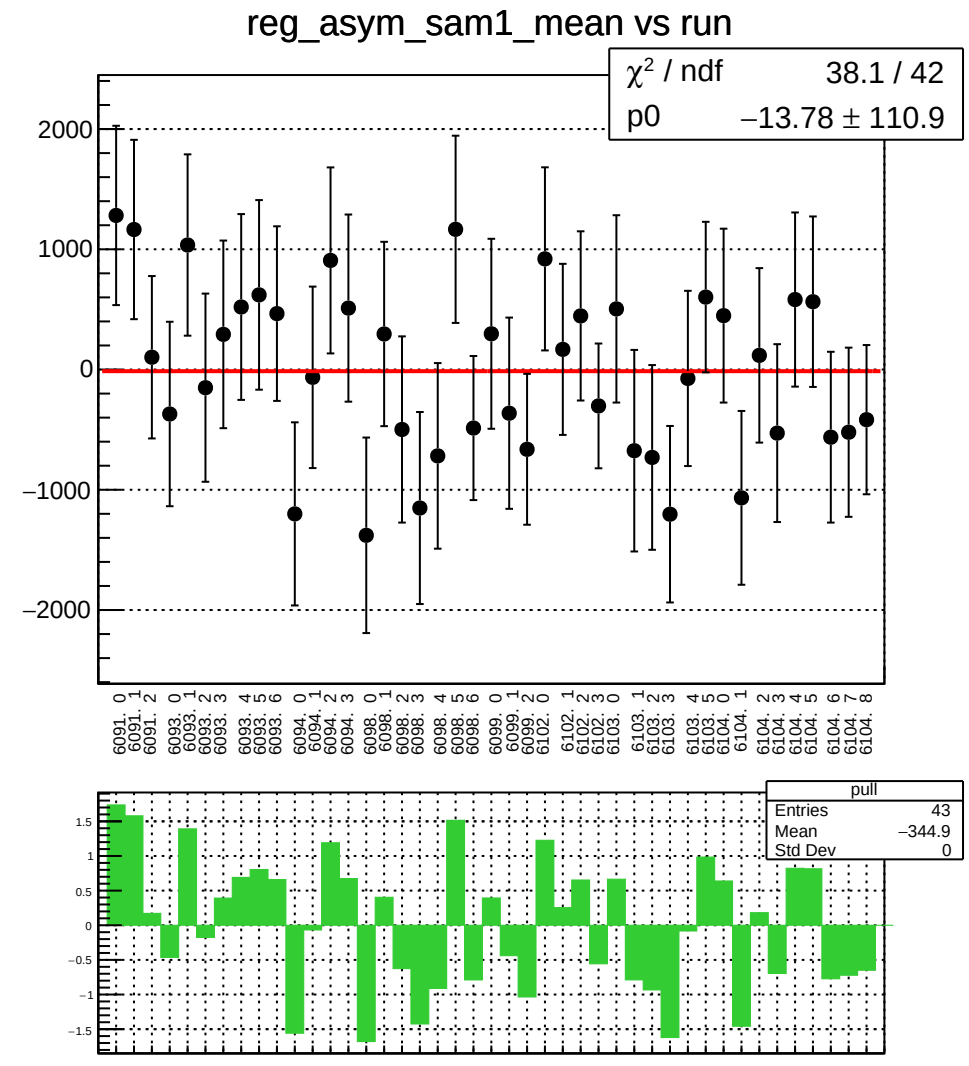

pull1D
Entries 43
Mean 5.412
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

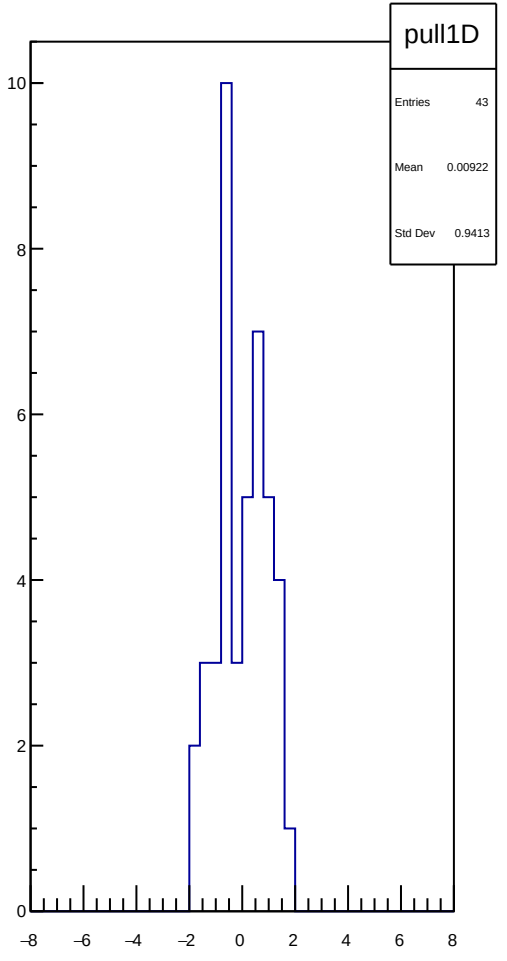

yield_sam7_rms vs run
χ² / ndf 1.483e+05 / 42
p0 0.001736 ± 2.107e−06
0.01
0.008
0.006
0.004
0.002
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

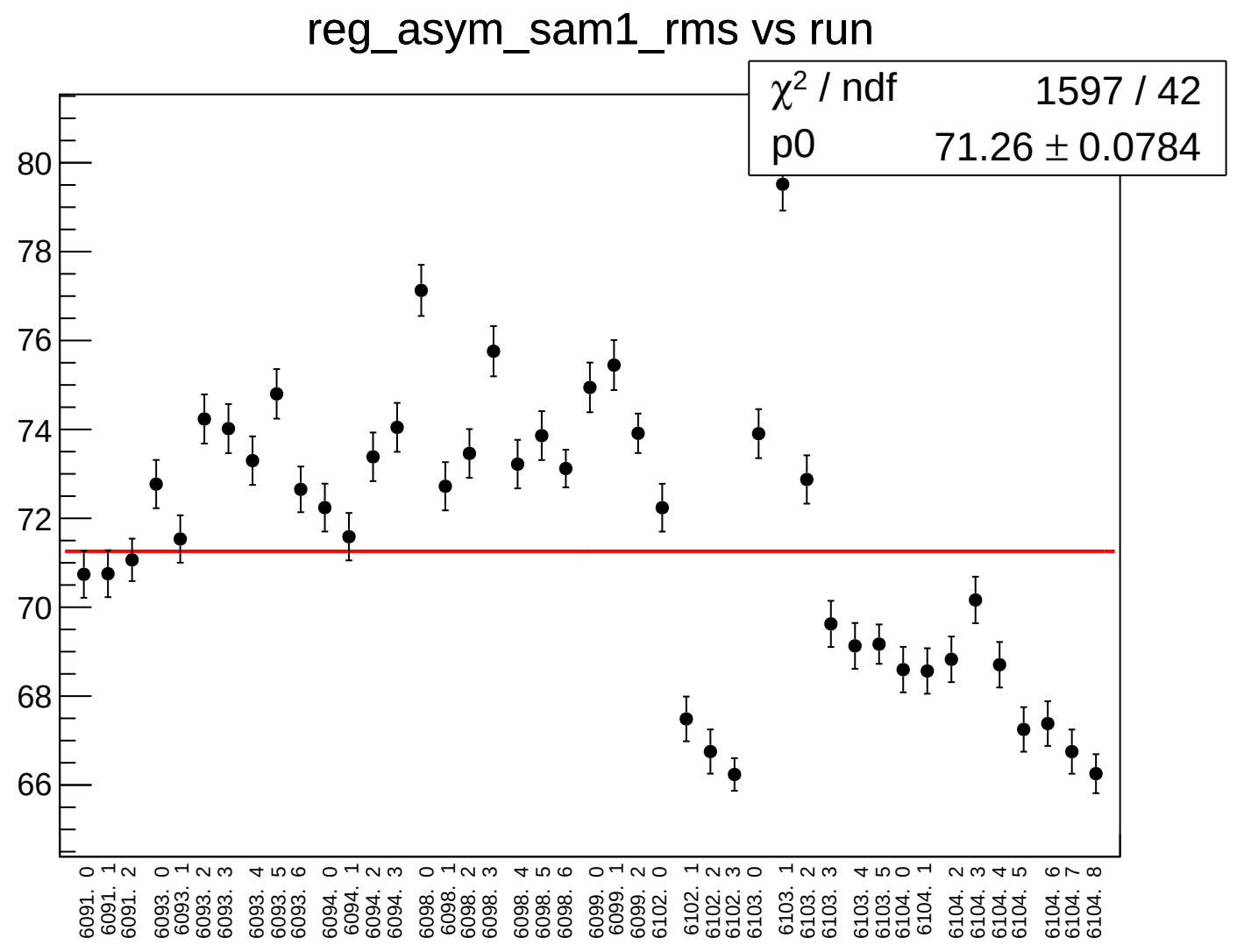

yield_sam8_mean vs run
χ² / ndf 6.901e+06 / 42
p0 10.01± 1.011e−05
10.08
10.06
10.04
10.02
10
9.98
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean −110.6
Std Dev 0
1500
1000
500
0
−500

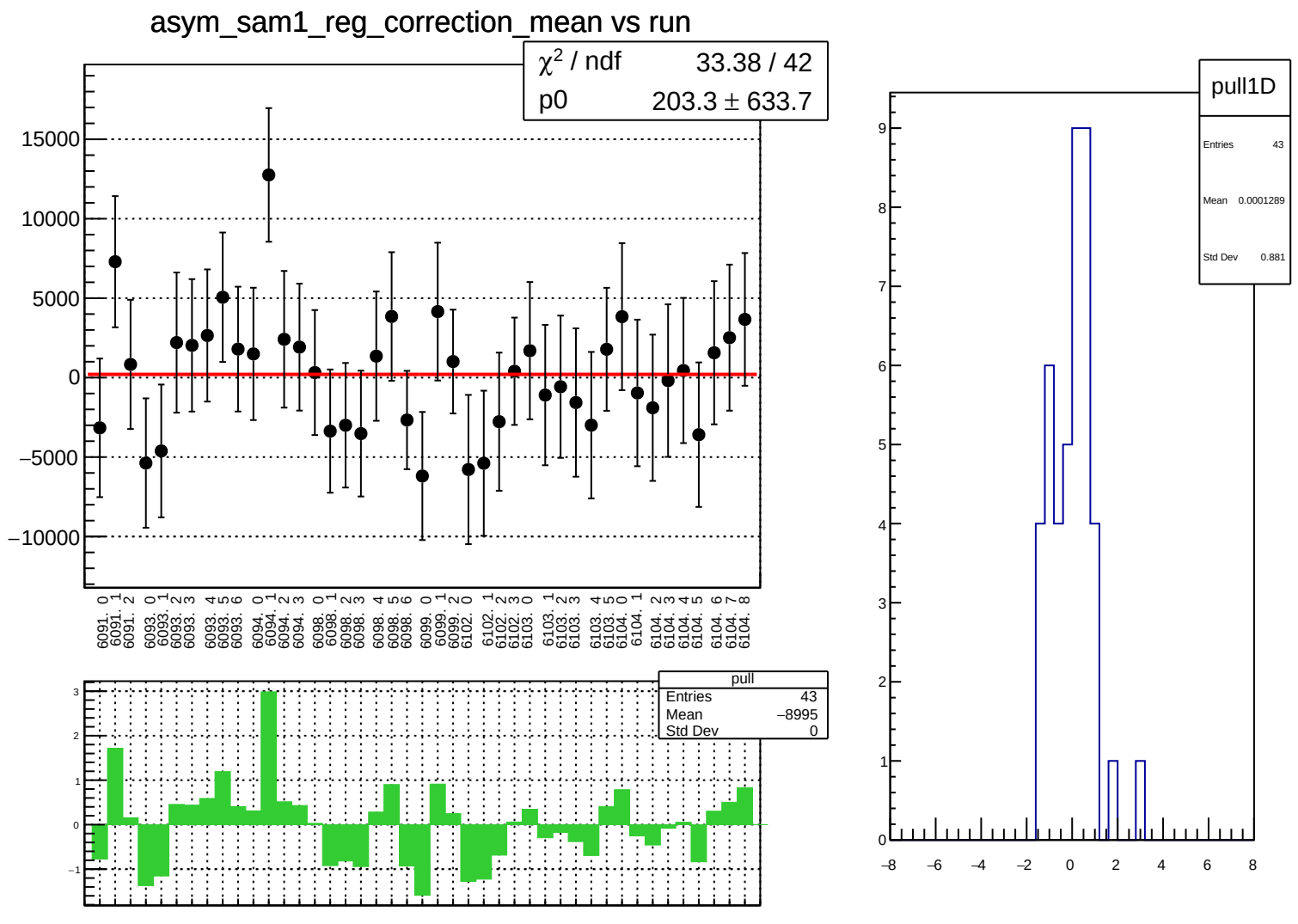

pull1D
Entries 43
Mean −3.411
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

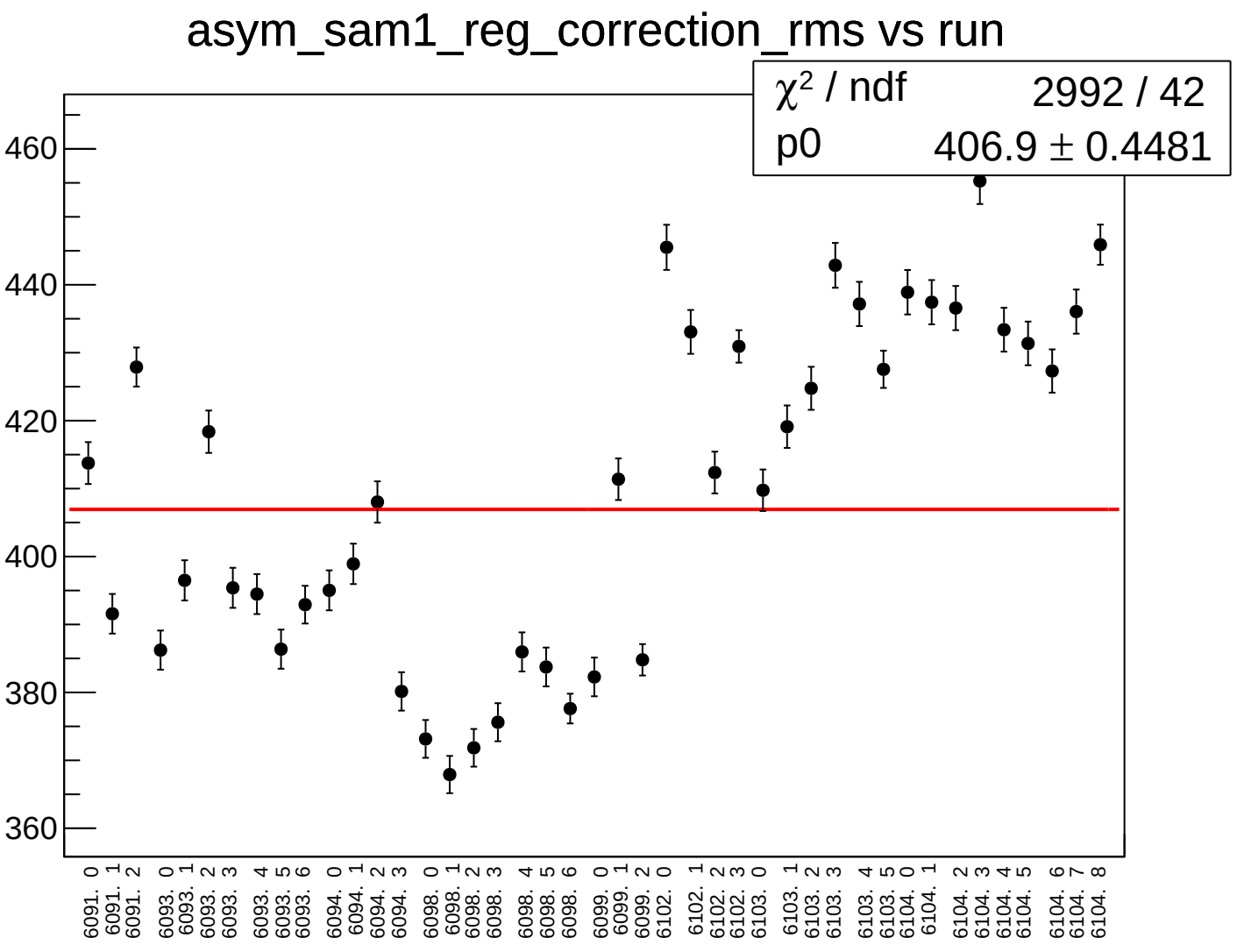

yield_sam8_rms vs run
χ² / ndf 1.701e+05 / 42
p0 0.005796 ± 7.148e−06
0.035
0.03
0.025
0.02
0.015
0.01
0.005
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

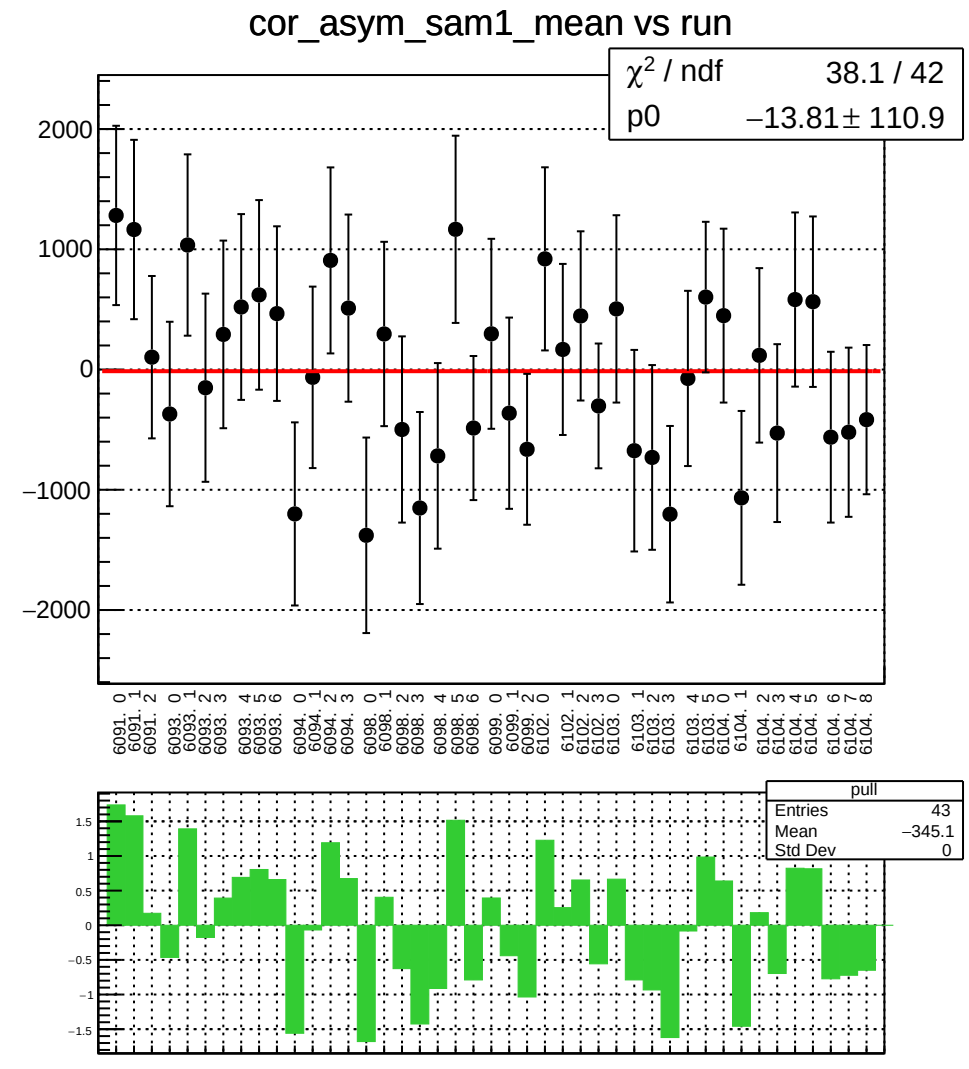

reg_asym_sam1_mean vs run
χ² / ndf 38.1 / 42
p0 −13.78 ± 110.9
2000
1000
0
−1000
−2000
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean −344.9
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5

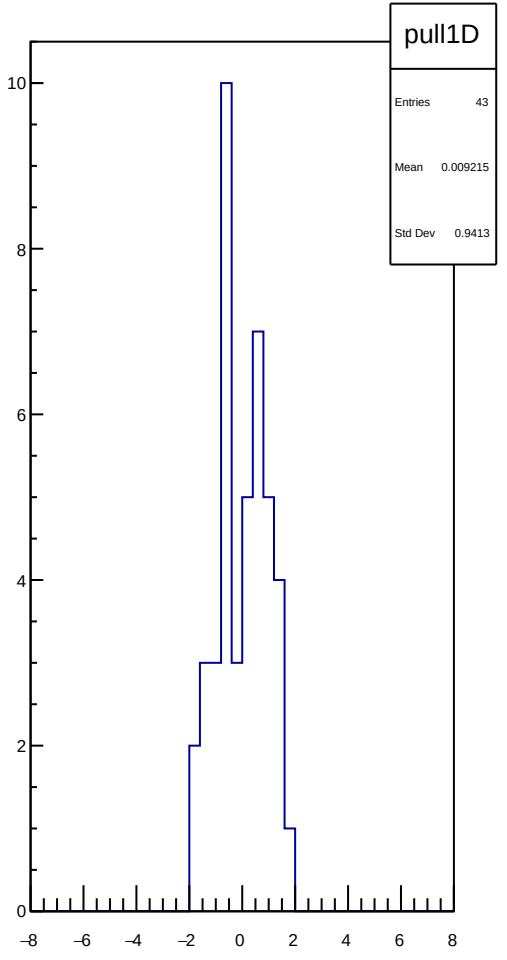

pull1D
Entries 43
Mean 0.00922
Std Dev 0.9413
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

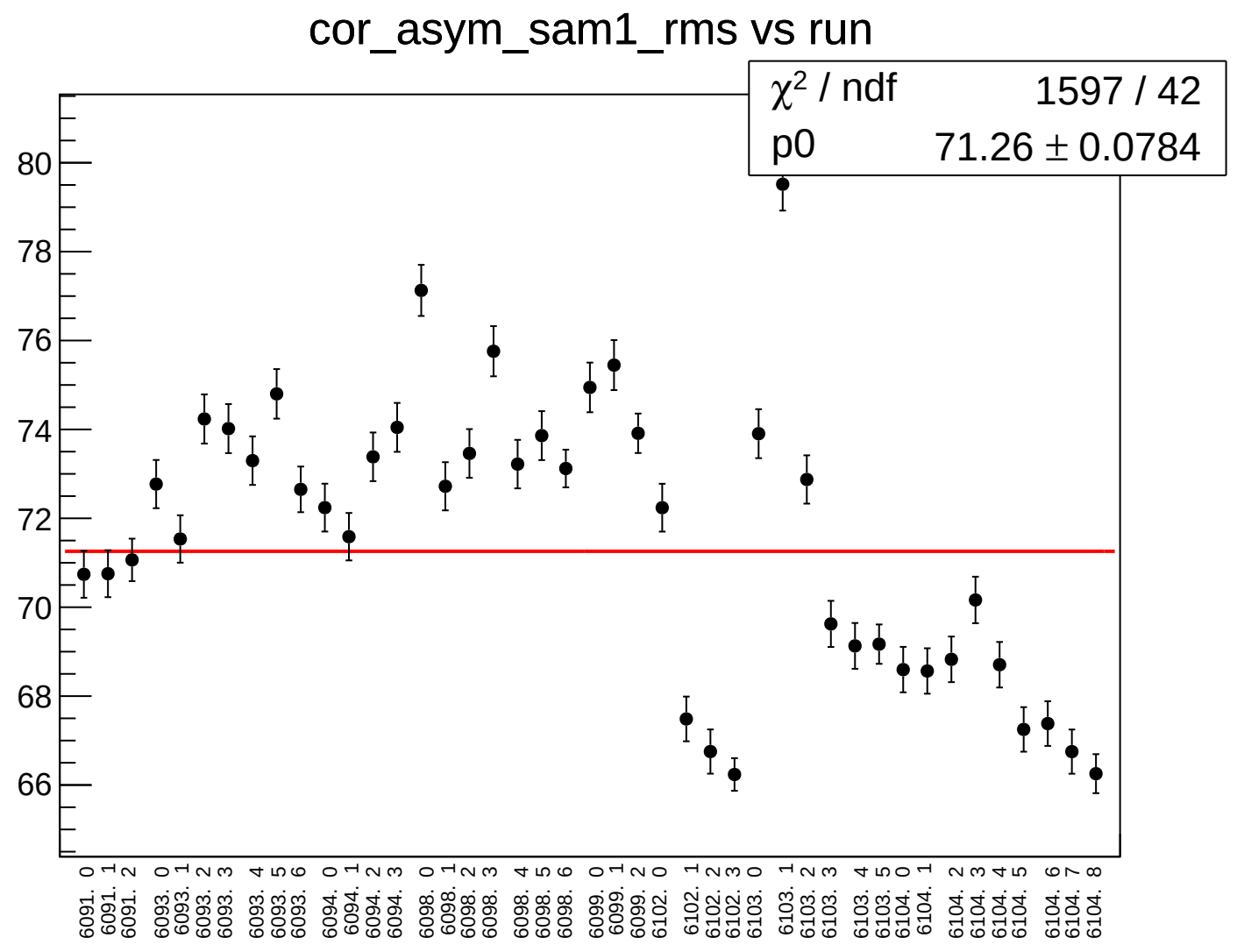

reg_asym_sam1_rms vs run
χ² / ndf 1597 / 42
p0 71.26 ± 0.0784
80
78
76
74
72
70
68
66
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

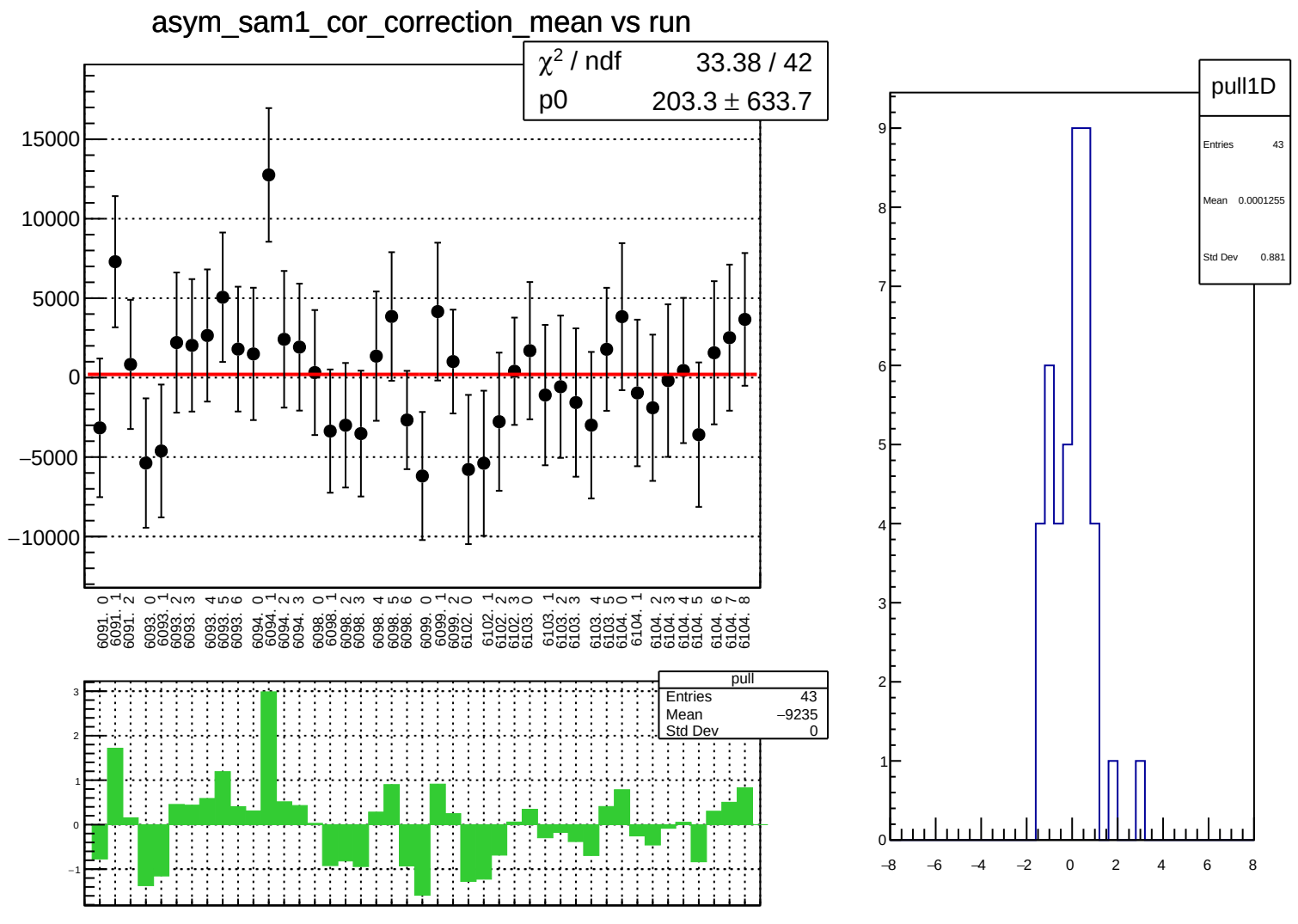

asym_sam1_reg_correction_mean vs run
χ² / ndf 33.38 / 42
p0 203.3 ± 633.7
15000
10000
5000
0
−5000
−10000
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean −8995
Std Dev 0
3
2
1
0
−1
pull1D
Entries 43
Mean 0.0001289
Std Dev 0.881
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

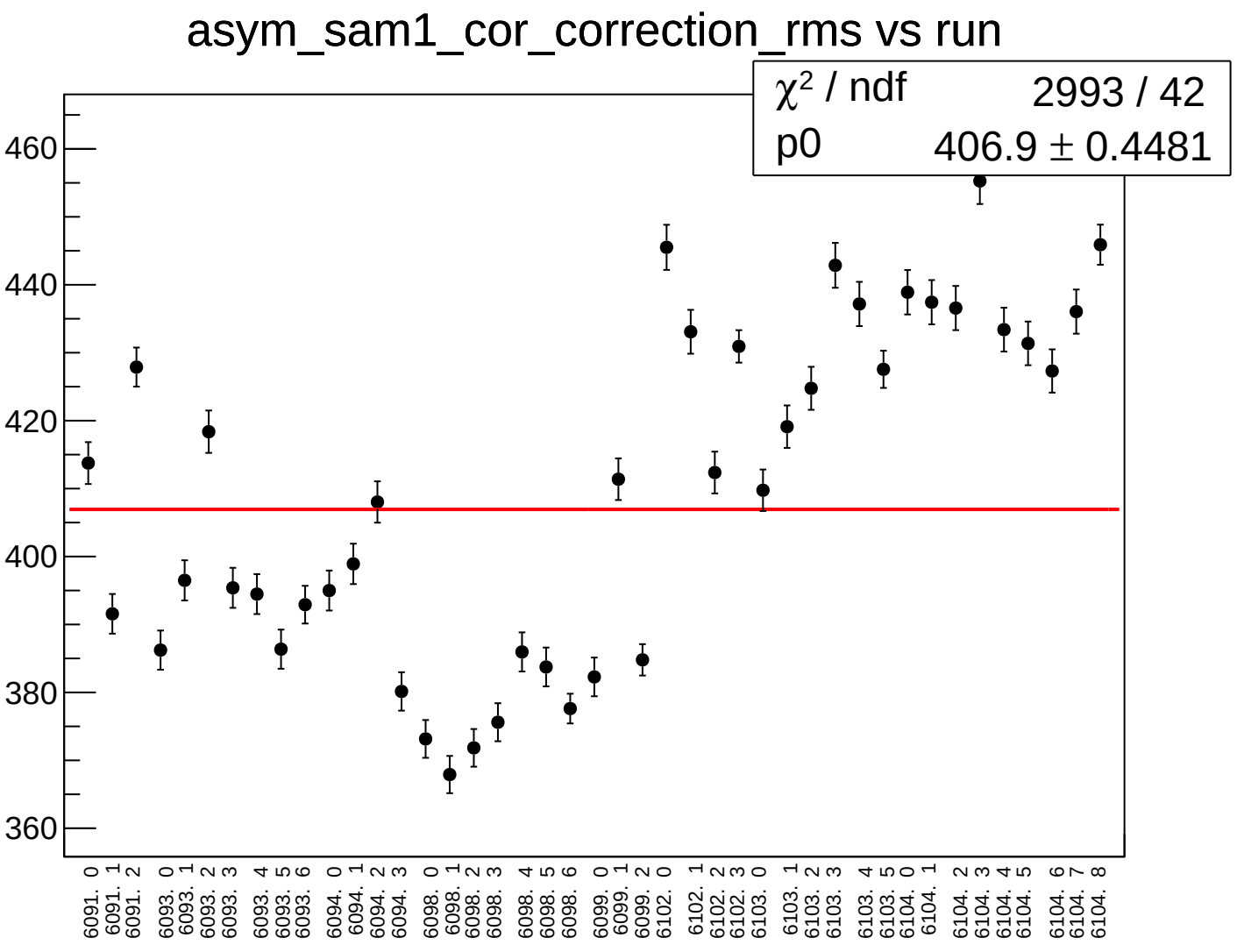

asym_sam1_reg_correction_rms vs run
χ² / ndf 2992 / 42
p0 406.9 ± 0.4481
460
440
420
400
380
360
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

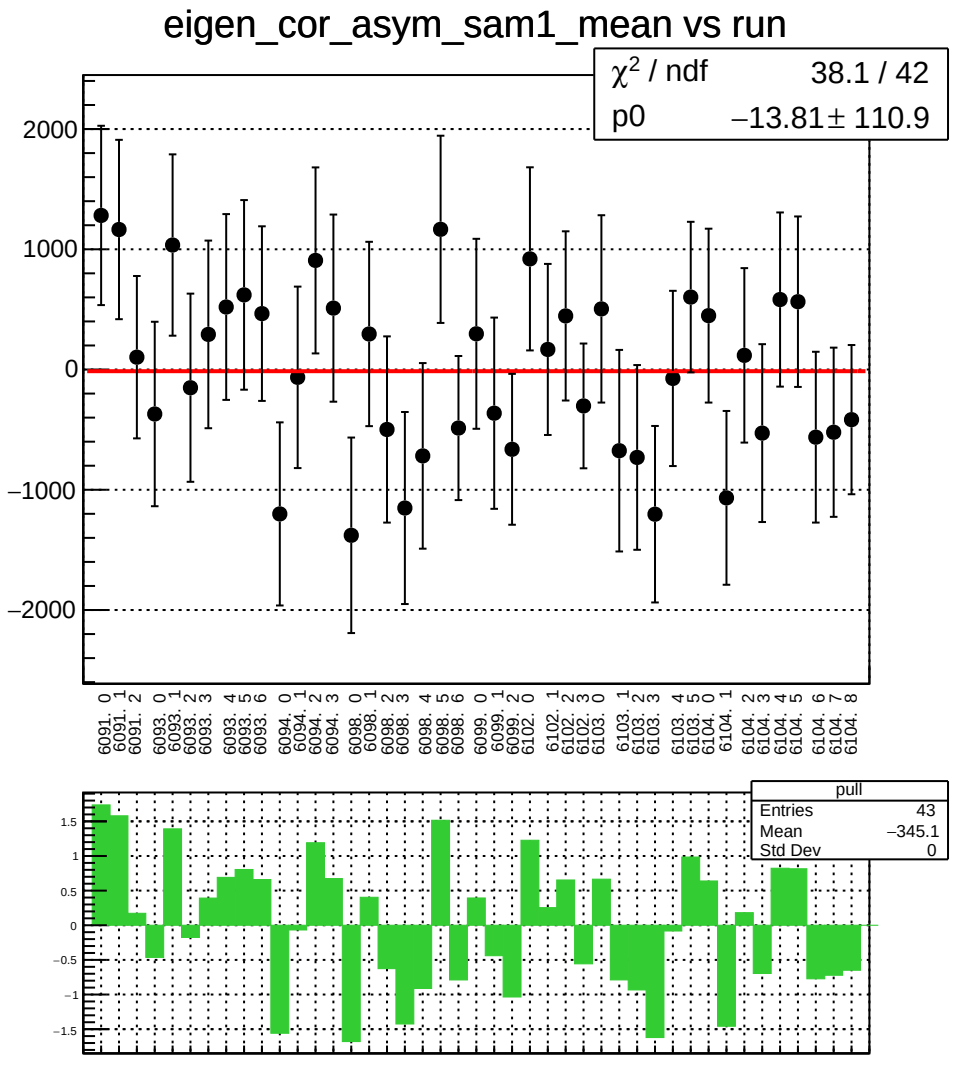

cor_asym_sam1_mean vs run
χ² / ndf 38.1 / 42
p0 −13.81± 110.9
2000
1000
0
−1000
−2000
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean −345.1
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5

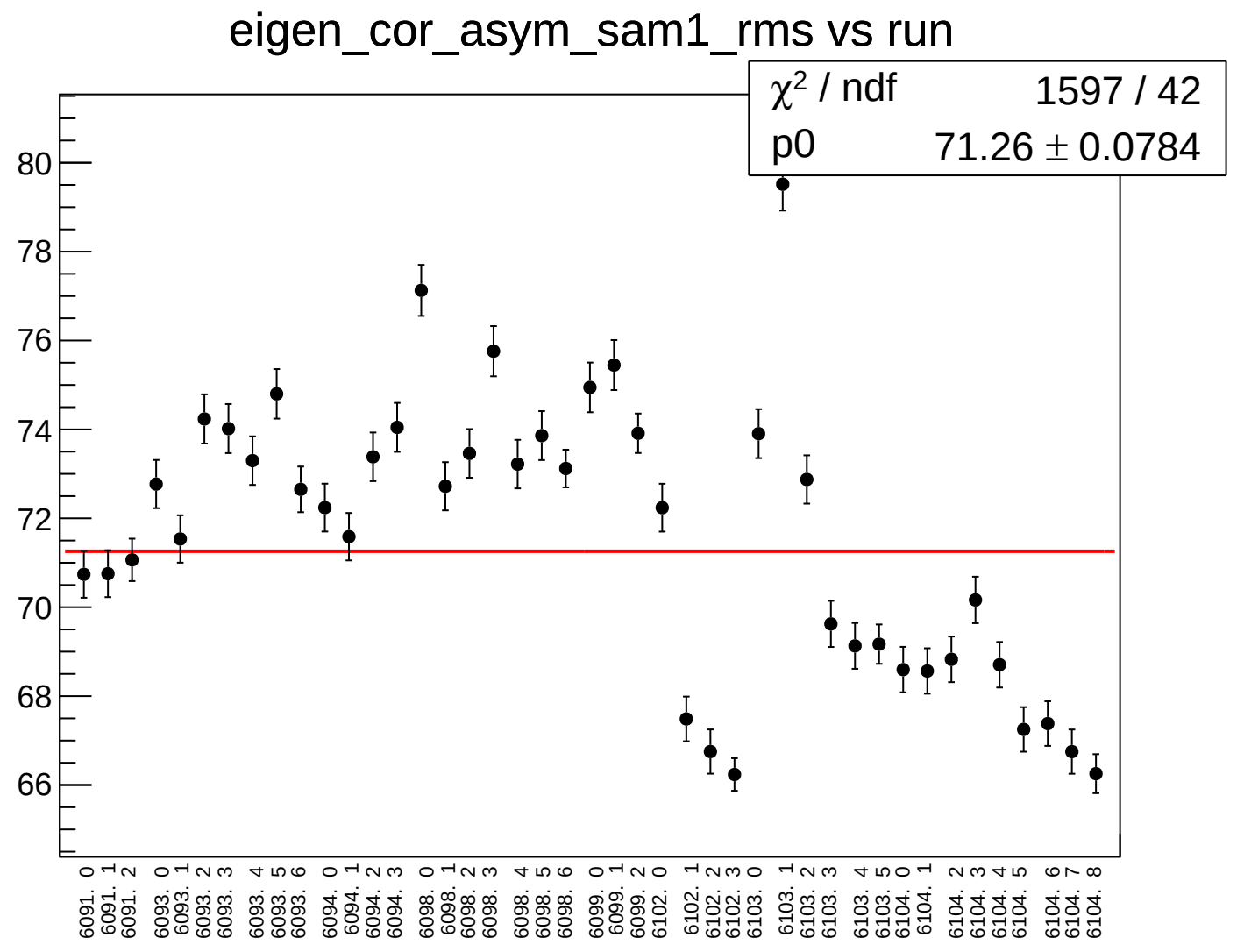

pull1D
Entries 43
Mean 0.009215
Std Dev 0.9413
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

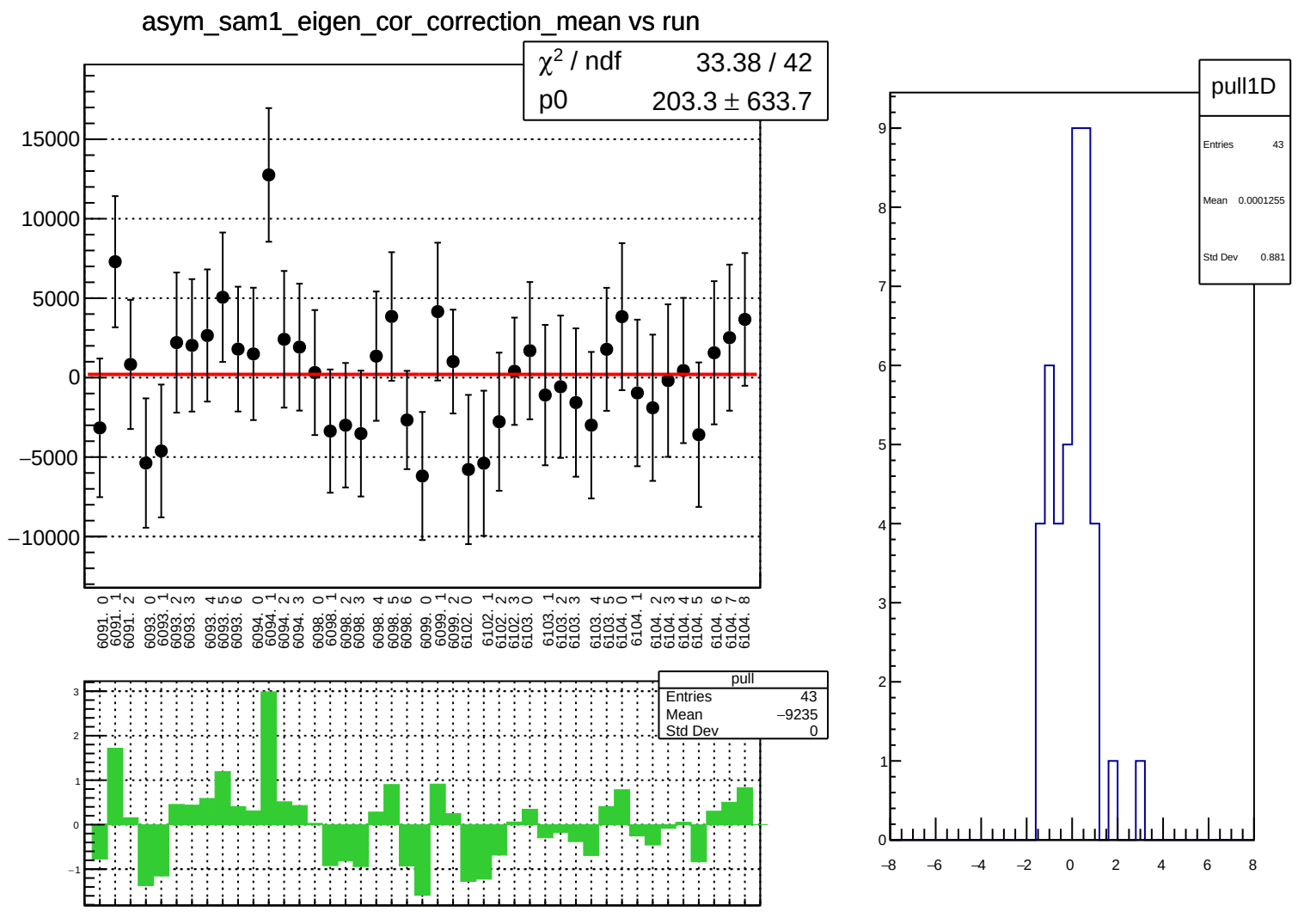

cor_asym_sam1_rms vs run
χ² / ndf 1597 / 42
p0 71.26 ± 0.0784
80
78
76
74
72
70
68
66
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

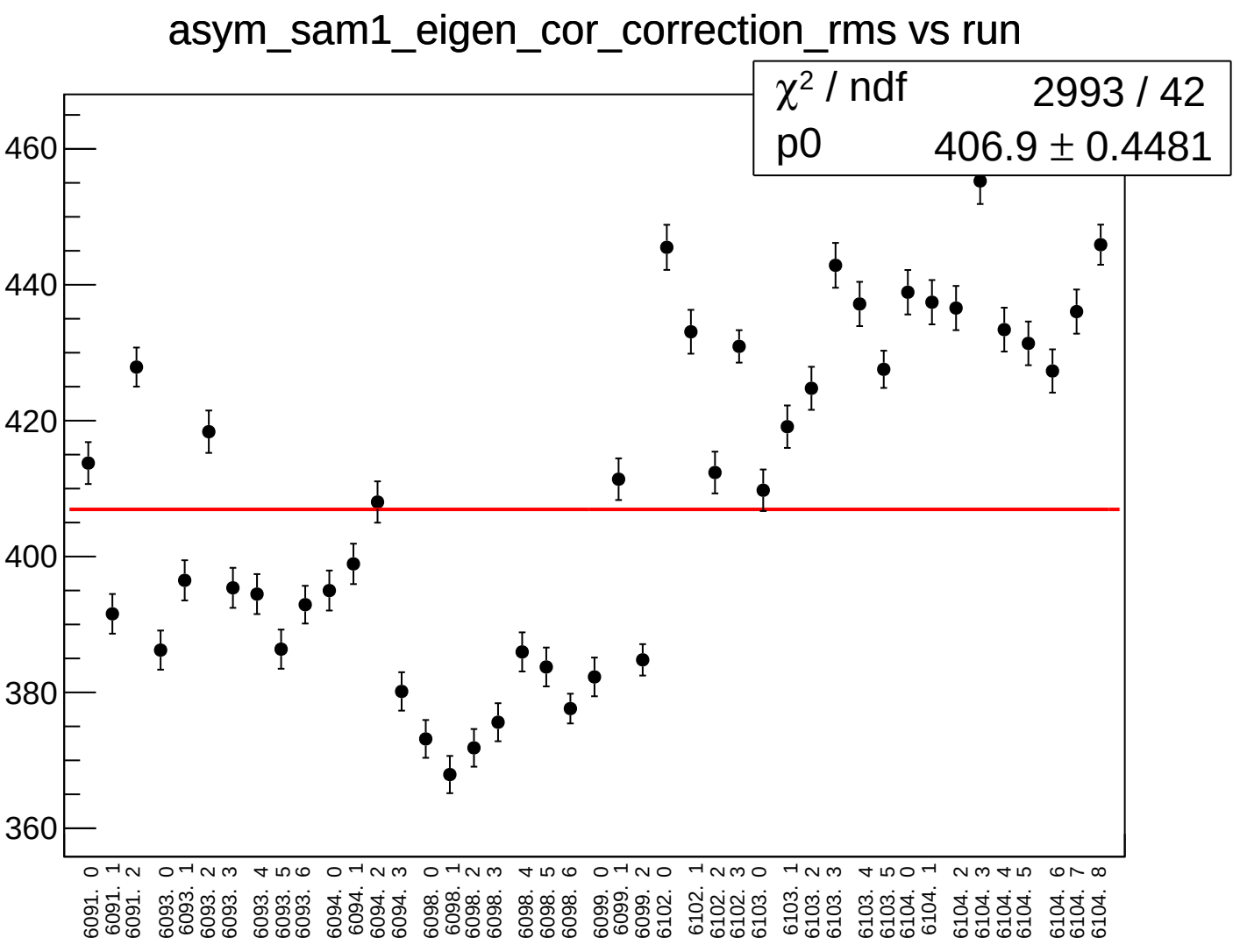

asym_sam1_cor_correction_mean vs run
χ² / ndf 33.38 / 42
p0 203.3 ± 633.7
15000
10000
5000
0
−5000
−10000
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean −9235
Std Dev 0
3
2
1
0
−1
pull1D
Entries 43
Mean 0.0001255
Std Dev 0.881
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

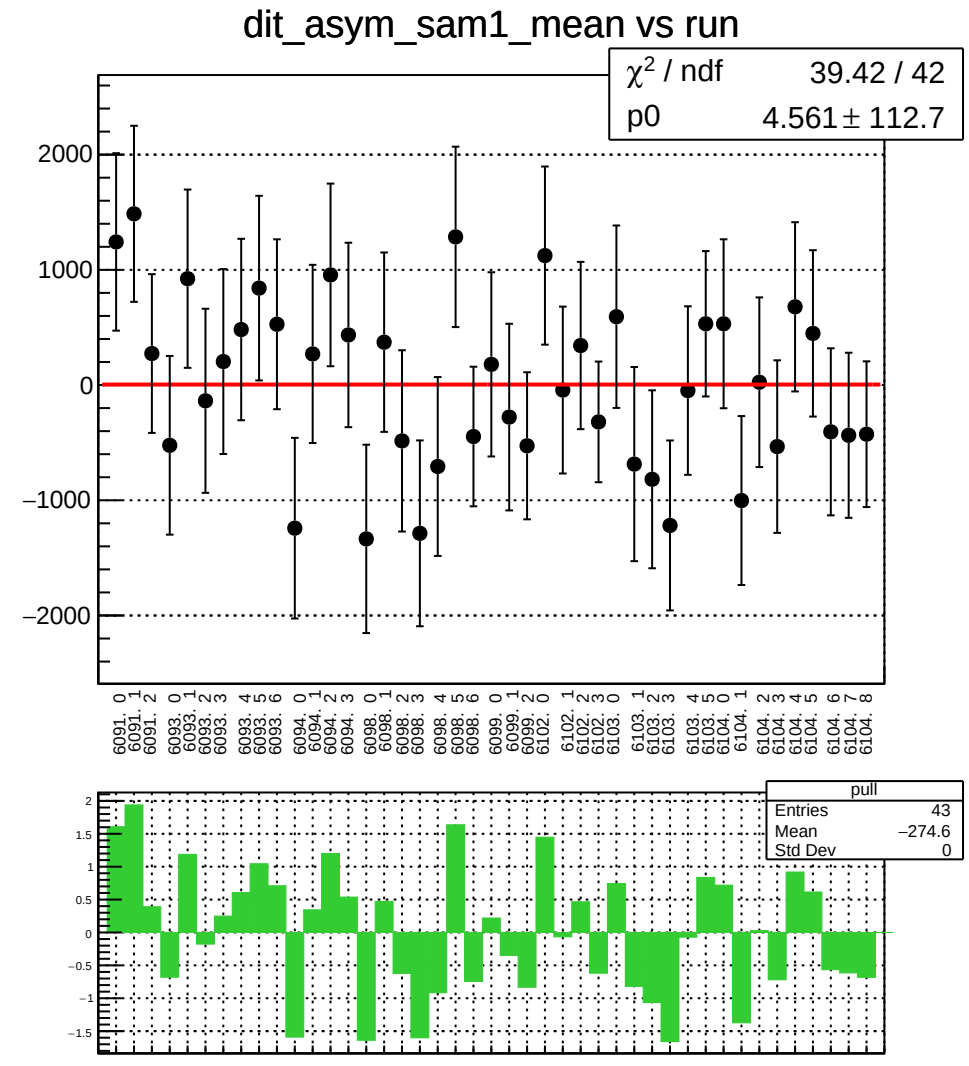

asym_sam1_cor_correction_rms vs run
χ² / ndf 2993 / 42
p0 406.9 ± 0.4481
460
440
420
400
380
360
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

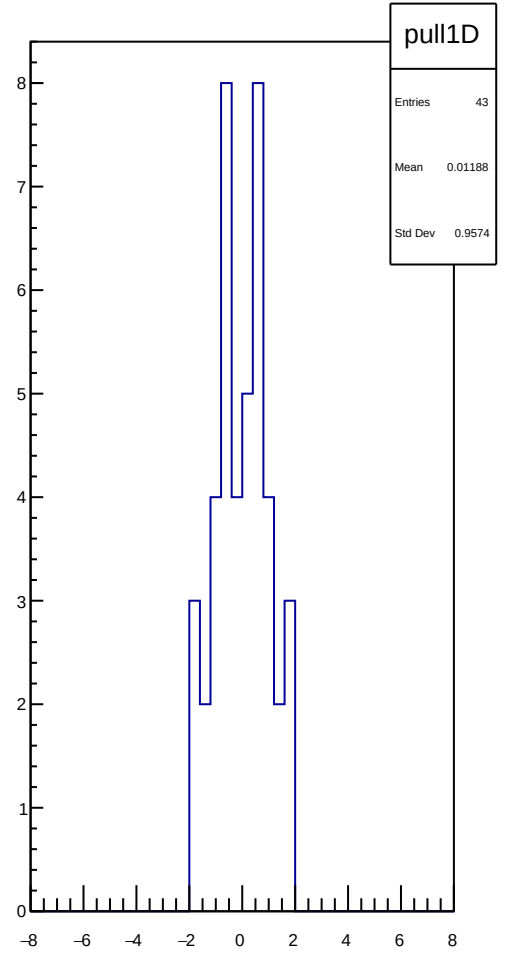

eigen_cor_asym_sam1_mean vs run
χ² / ndf 38.1 / 42
p0 −13.81 ± 110.9
2000
1000
0
−1000
−2000
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean −345.1
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 43
Mean 0.009215
Std Dev 0.9413
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

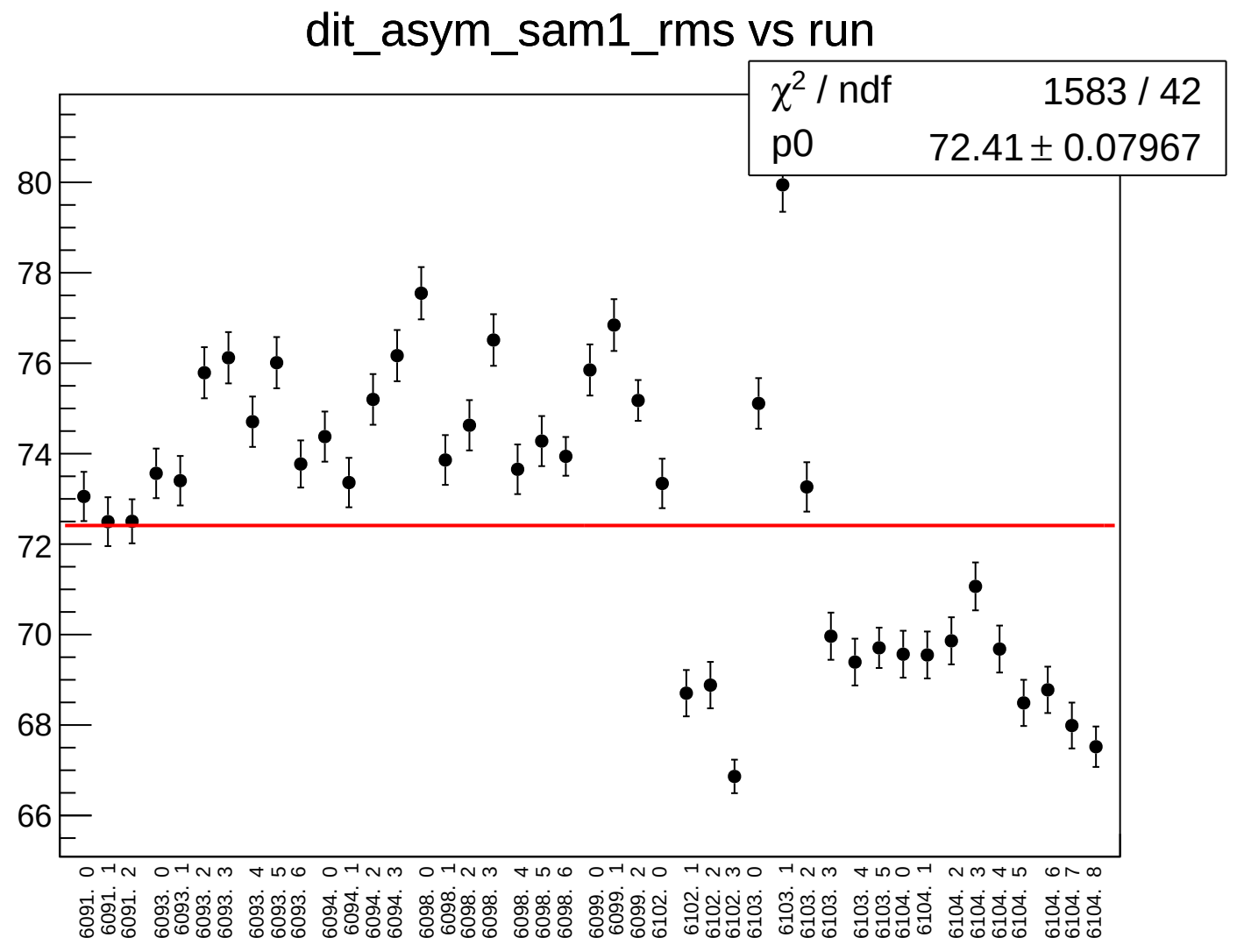

eigen_cor_asym_sam1_rms vs run
χ² / ndf 1597 / 42
p0 71.26 ± 0.0784
80
78
76
74
72
70
68
66
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

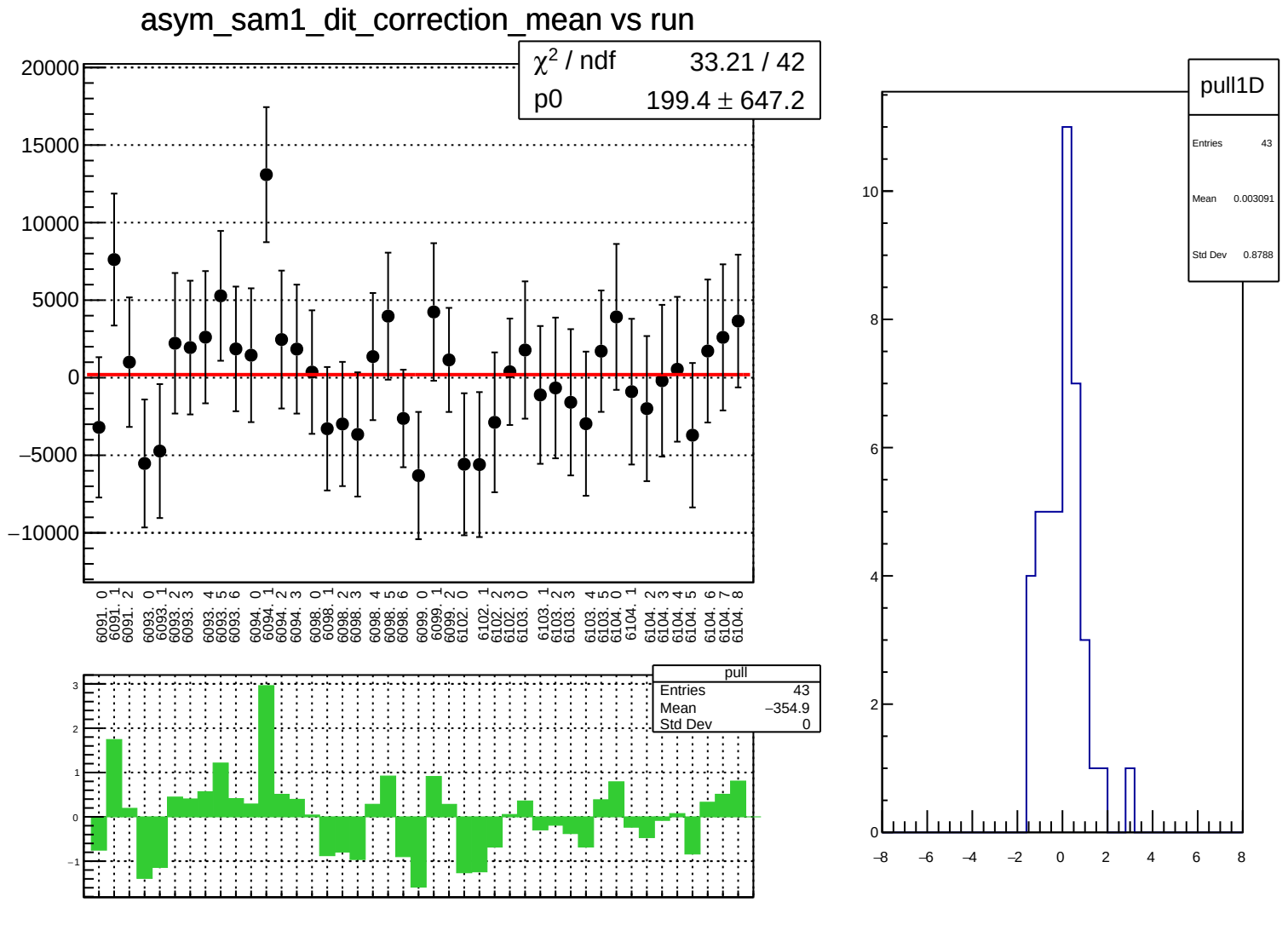

asym_sam1_eigen_cor_correction_mean vs run
χ² / ndf 33.38 / 42
p0 203.3 ± 633.7
15000
10000
5000
0
−5000
−10000
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean −9235
Std Dev 0
3
2
1
0
−1
pull1D
Entries 43
Mean 0.0001255
Std Dev 0.881
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

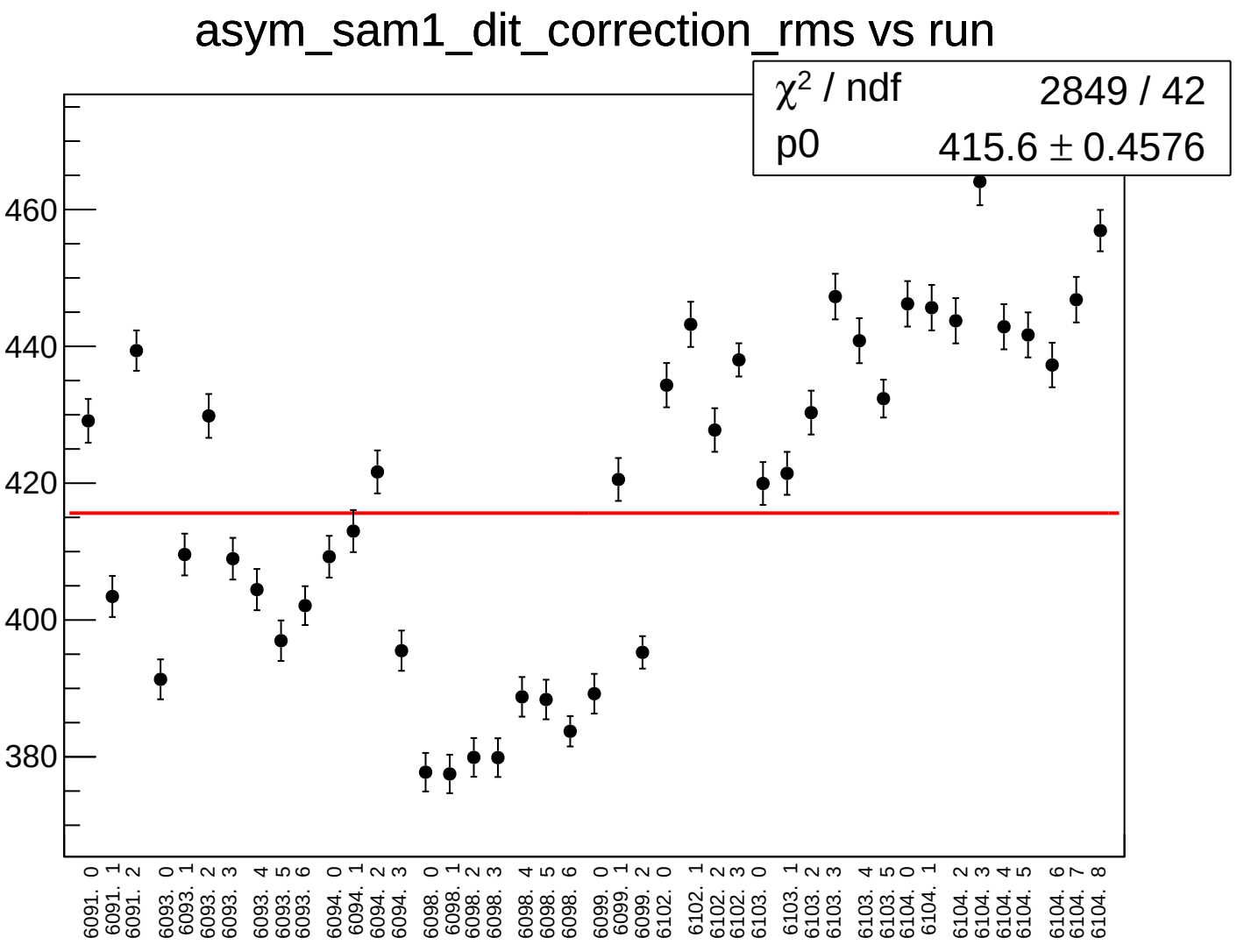

asym_sam1_eigen_cor_correction_rms vs run
χ² / ndf 2993 / 42
p0 406.9 ± 0.4481
460
440
420
400
380
360
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

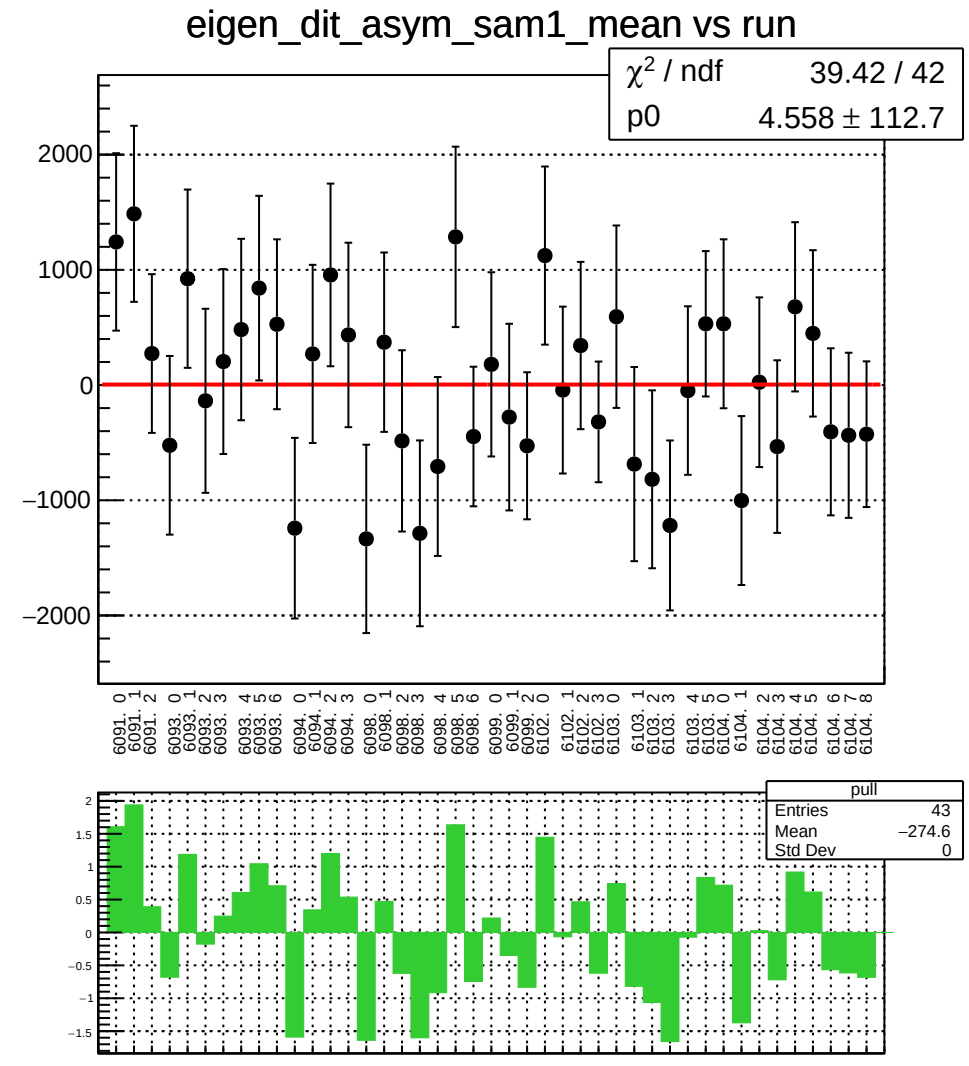

dit_asym_sam1_mean vs run
χ² / ndf 39.42 / 42
p0 4.561 ± 112.7
2000
1000
0
−1000
−2000
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean −274.6
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5

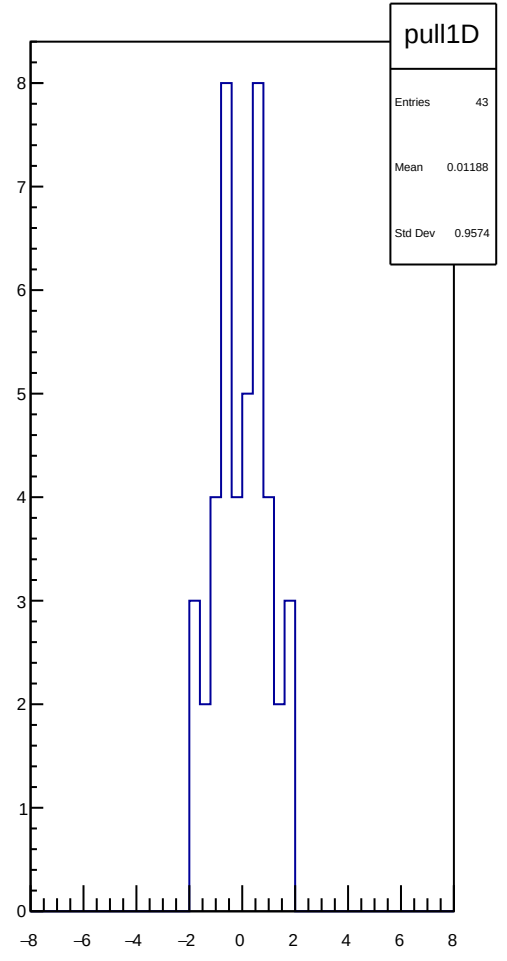

pull1D
Entries 43
Mean 0.01188
Std Dev 0.9574
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

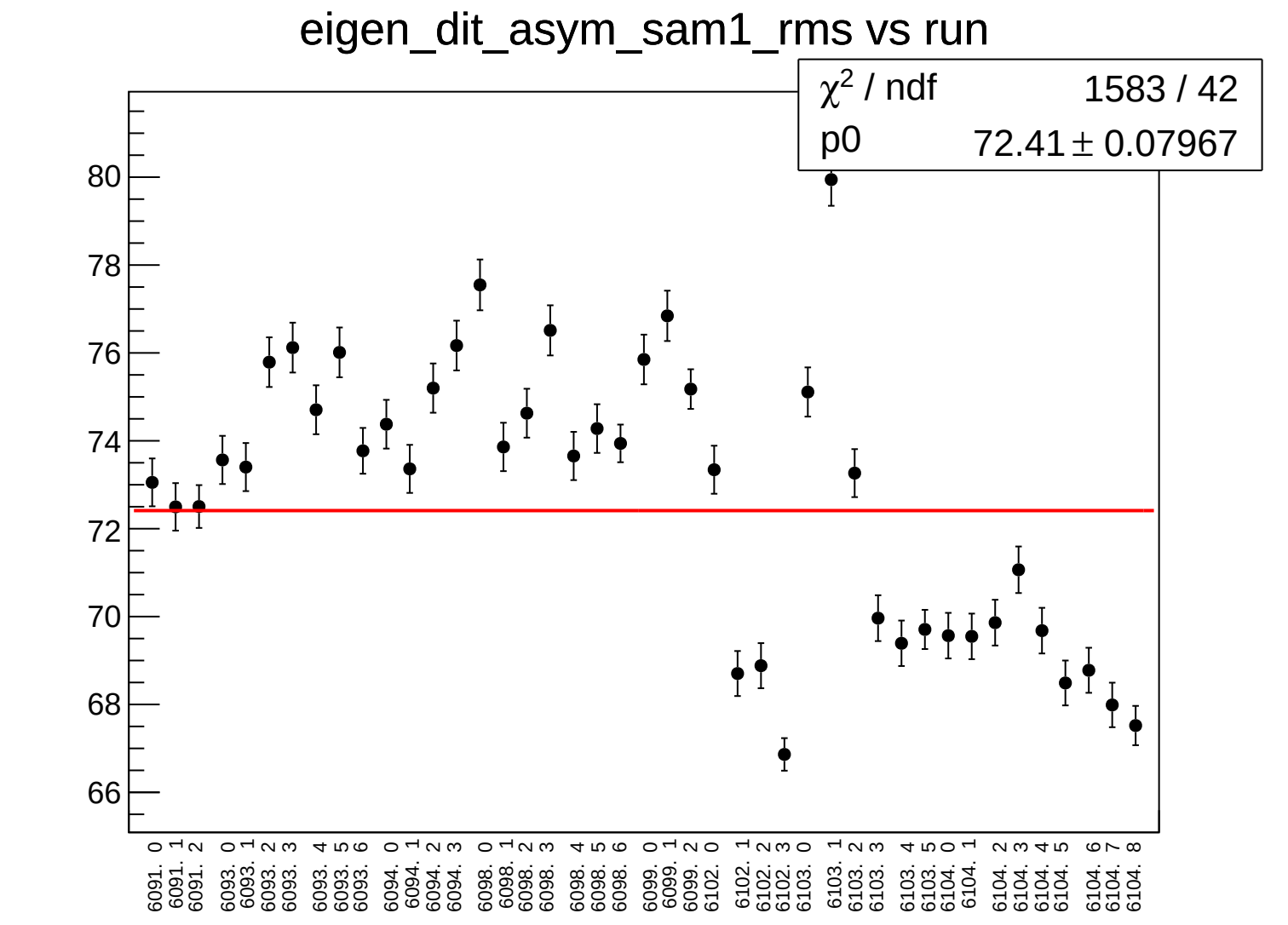

dit_asym_sam1_rms vs run
χ^2 / ndf 1583 / 42
p0 72.41 ± 0.07967
80
78
76
74
72
70
68
66
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

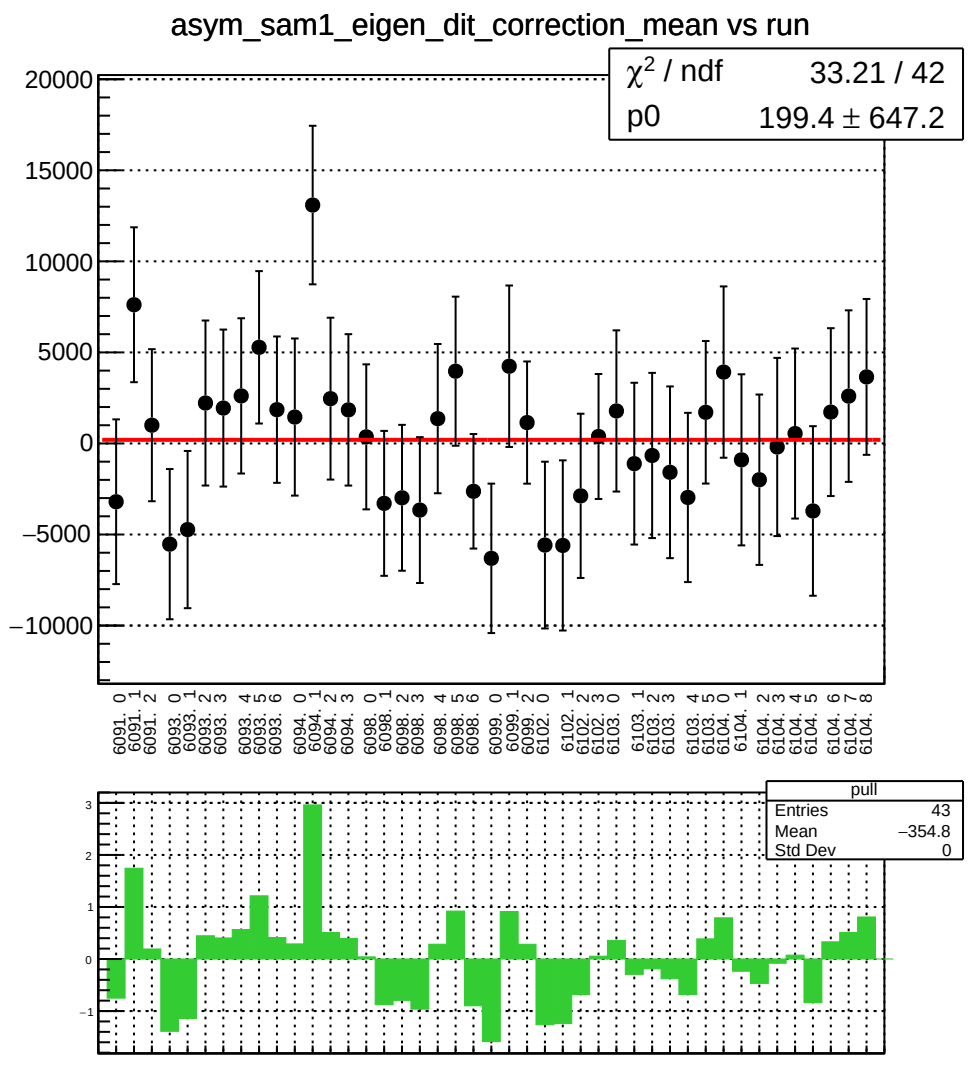

asym_sam1_dit_correction_mean vs run
χ² / ndf 33.21 / 42
p0 199.4 ± 647.2
20000
15000
10000
5000
0
−5000
−10000
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean −354.9
Std Dev 0
3
2
1
0
−1
pull1D
Entries 43
Mean 0.003091
Std Dev 0.8788
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

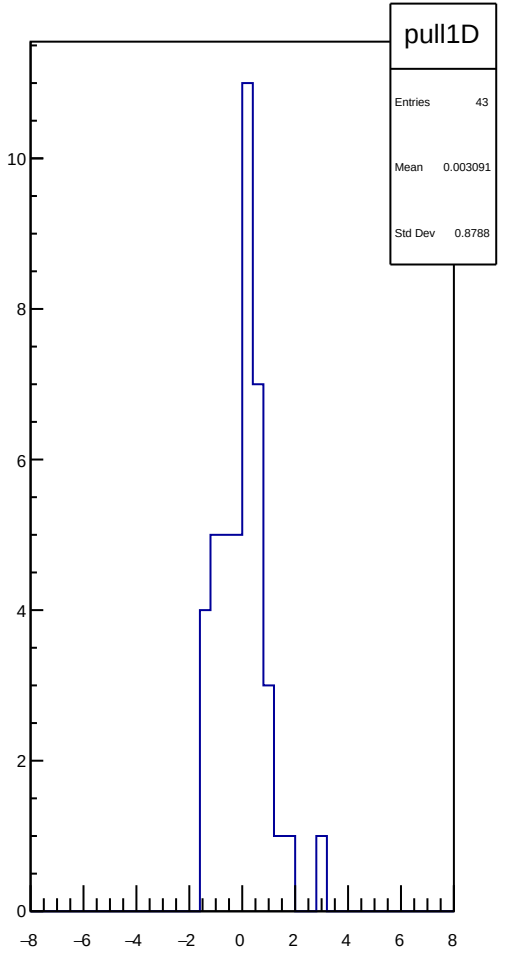

asym_sam1_dit_correction_rms vs run
χ² / ndf 2849 / 42
p0 415.6 ± 0.4576
460
440
420
400
380
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

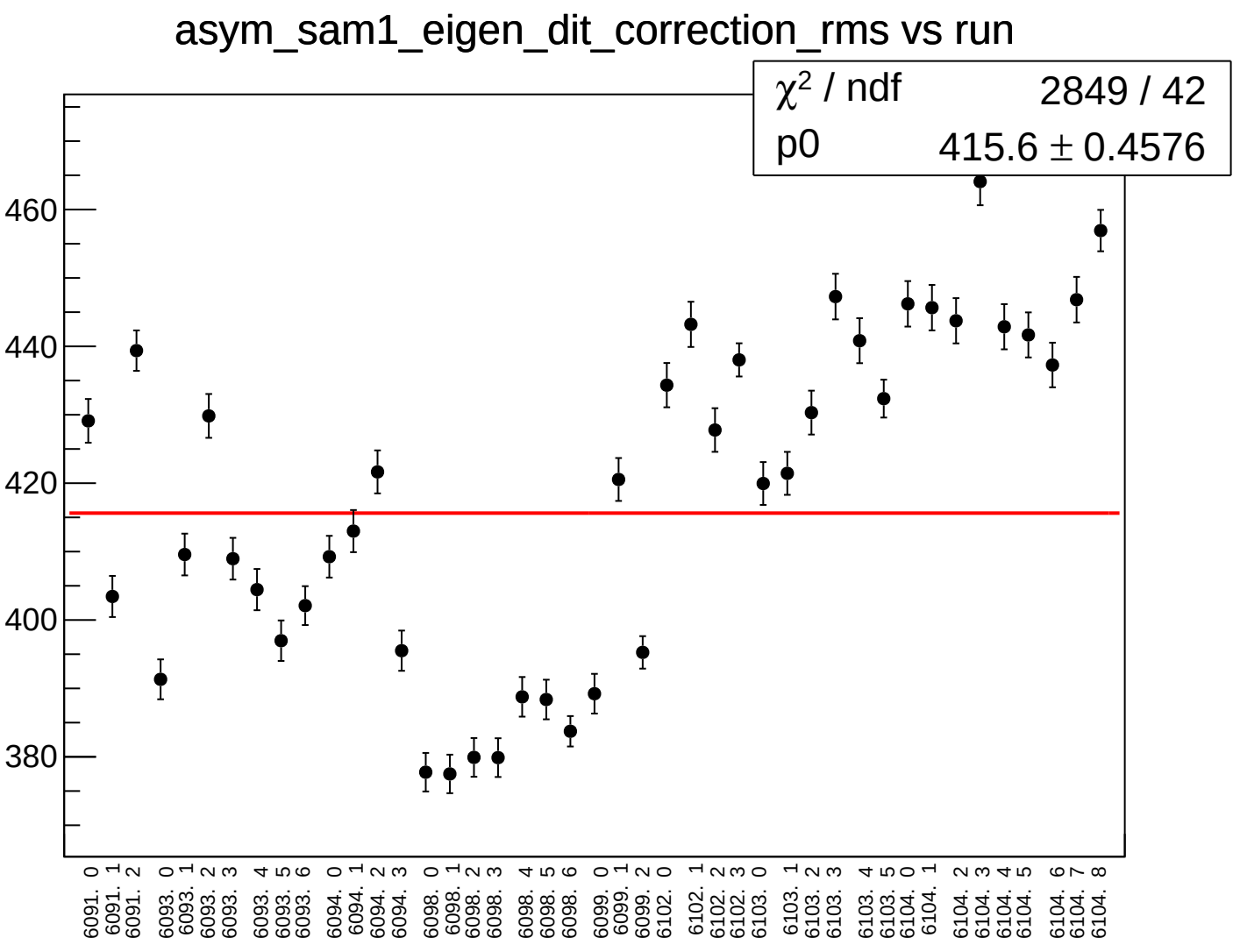

eigen_dit_asym_sam1_mean vs run
χ² / ndf 39.42 / 42
p0 4.558 ± 112.7
2000
1000
0
−1000
−2000
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean −274.6
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5

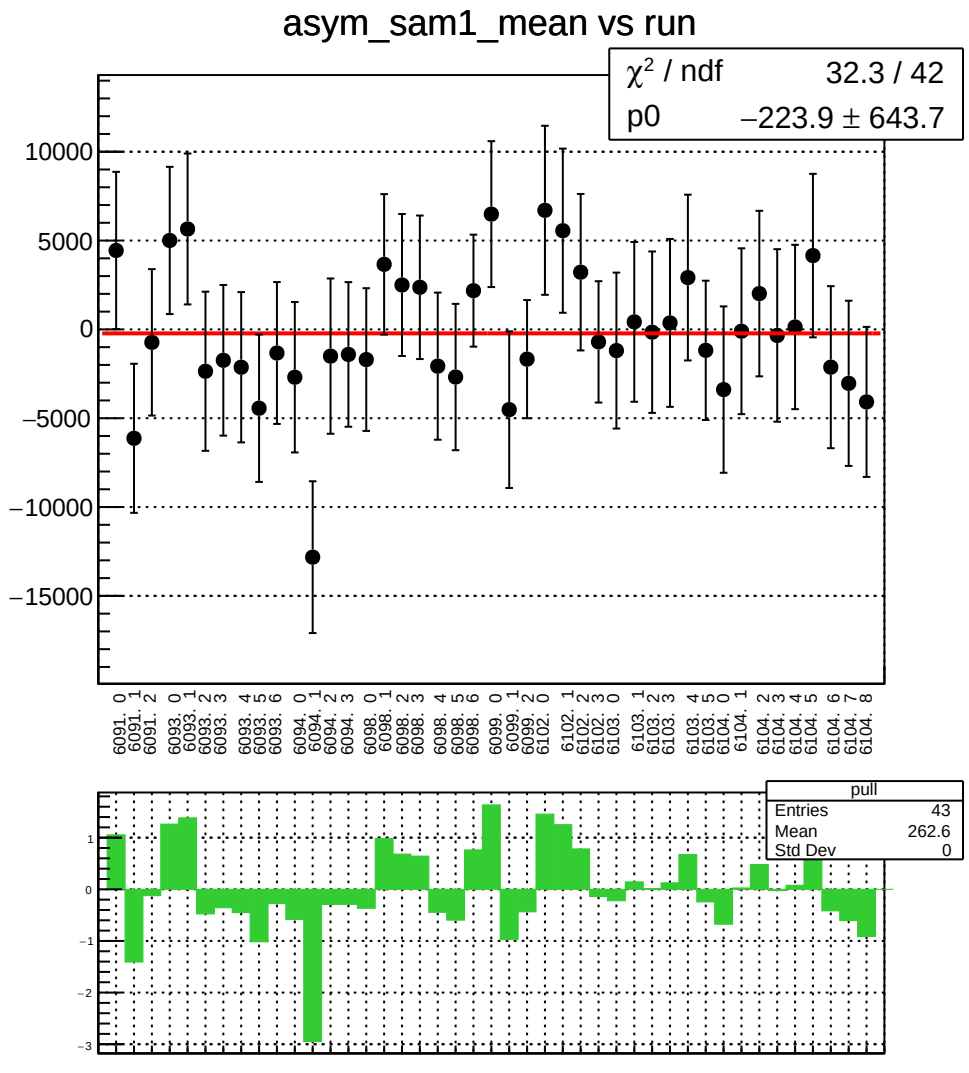

pull1D
Entries 43
Mean 0.01188
Std Dev 0.9574
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

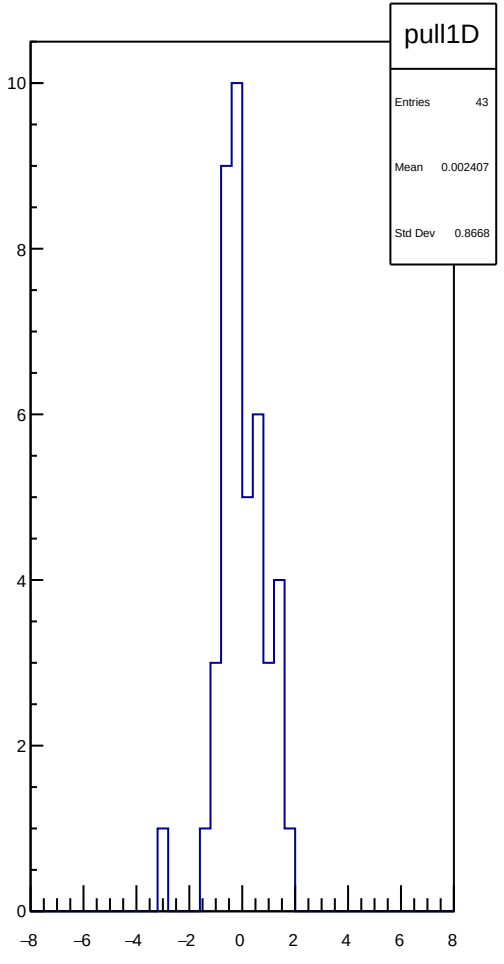

eigen_dit_asym_sam1_rms vs run
χ^2 / ndf 1583 / 42
p0 72.41 ± 0.07967
80
78
76
74
72
70
68
66
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

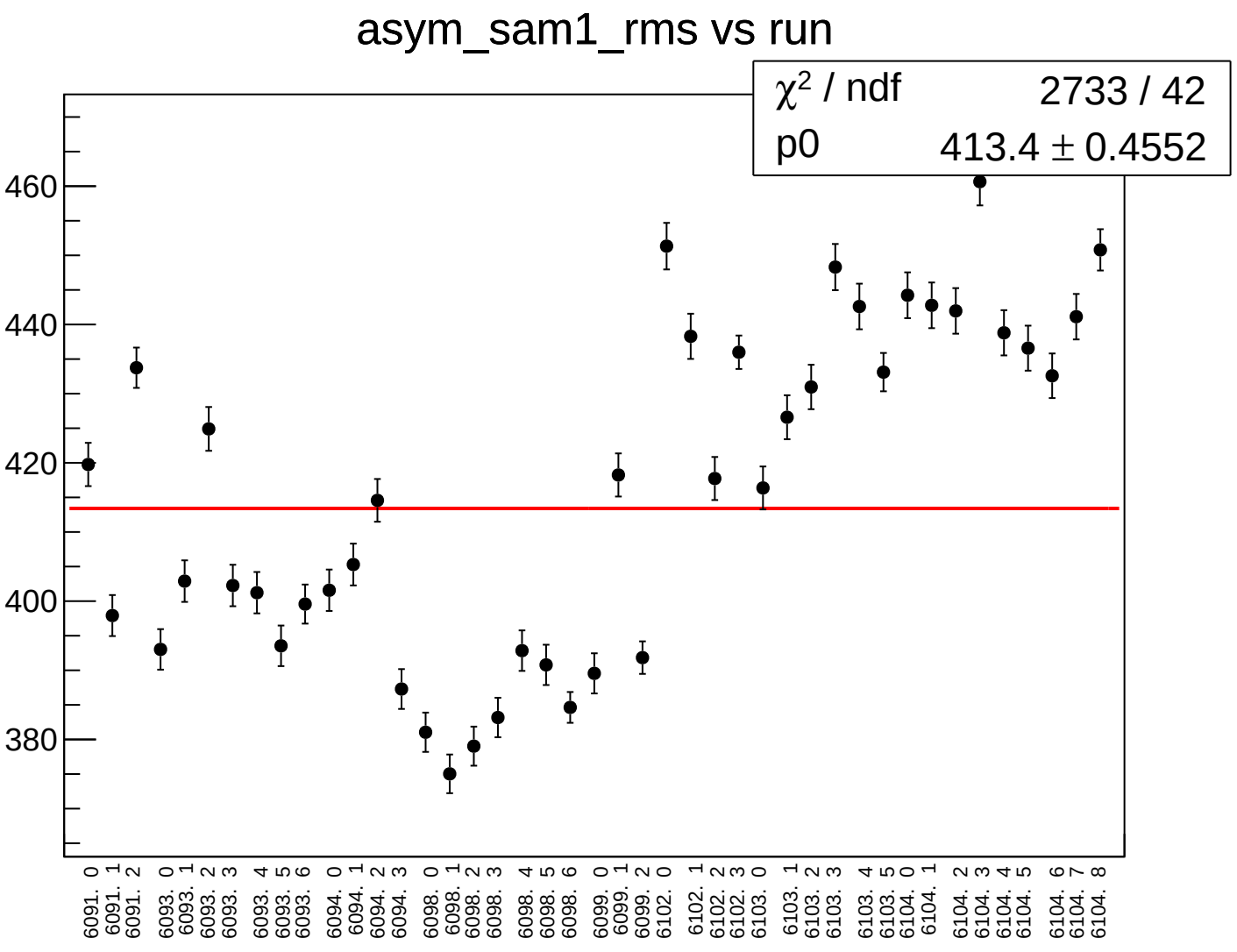

asym_sam1_eigen_dit_correction_mean vs run
χ² / ndf 33.21 / 42
p0 199.4 ± 647.2
20000
15000
10000
5000
0
−5000
−10000
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean −354.8
Std Dev 0
3
2
1
0
−1

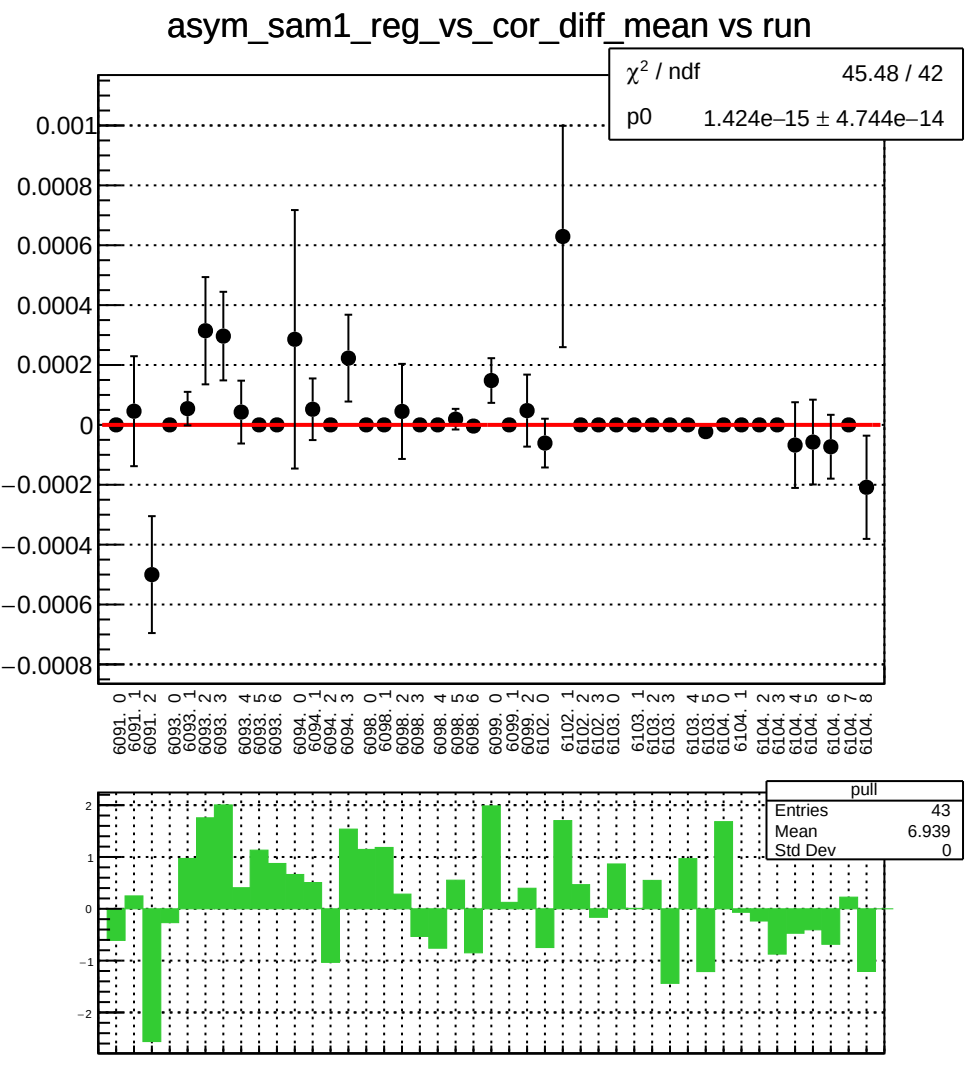

pull1D
Entries 43
Mean 0.003091
Std Dev 0.8788
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

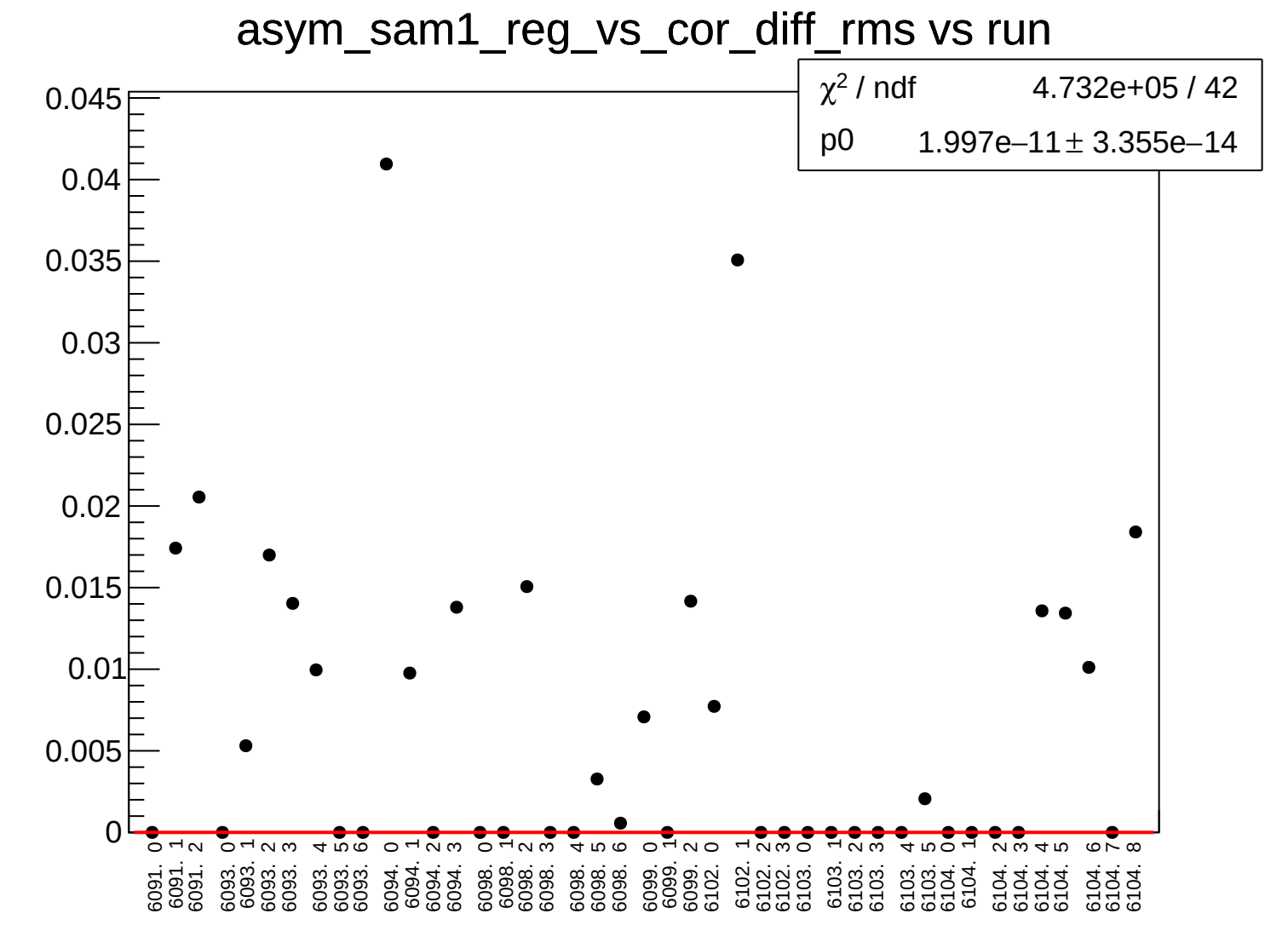

asym_sam1_eigen_dit_correction_rms vs run
χ² / ndf 2849 / 42
p0 415.6 ± 0.4576
460
440
420
400
380
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

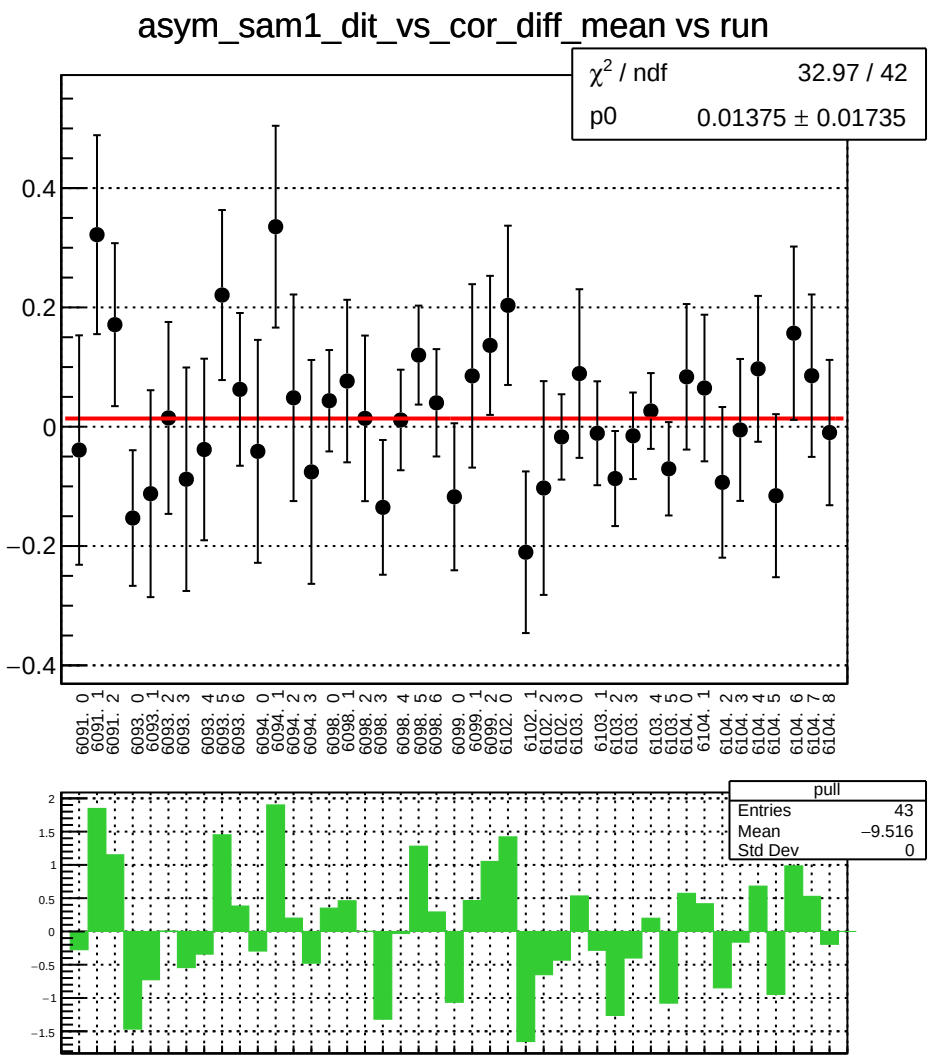

asym_sam1_mean vs run
χ² / ndf 32.3 / 42
p0 −223.9 ± 643.7
10000
5000
0
−5000
−10000
−15000
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 262.6
Std Dev 0
1
0
−1
−2
−3

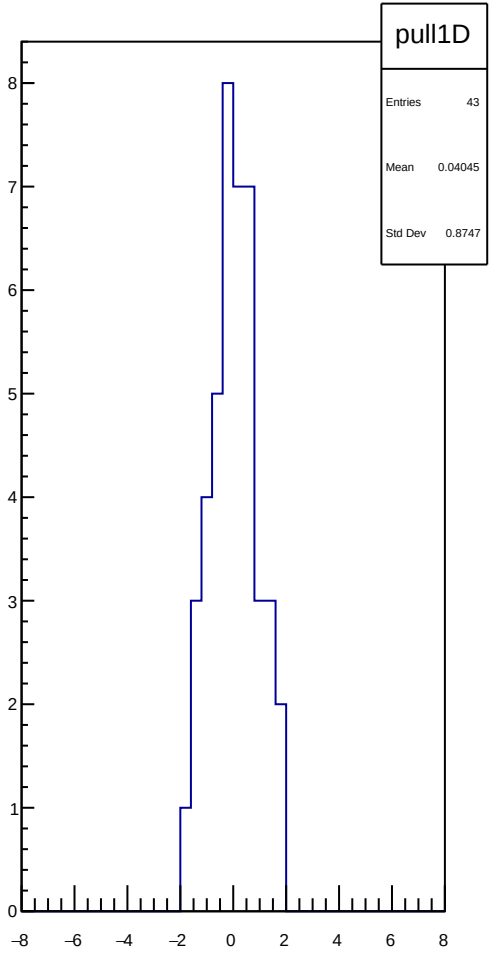

pull1D
Entries 43
Mean 0.002407
Std Dev 0.8668
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

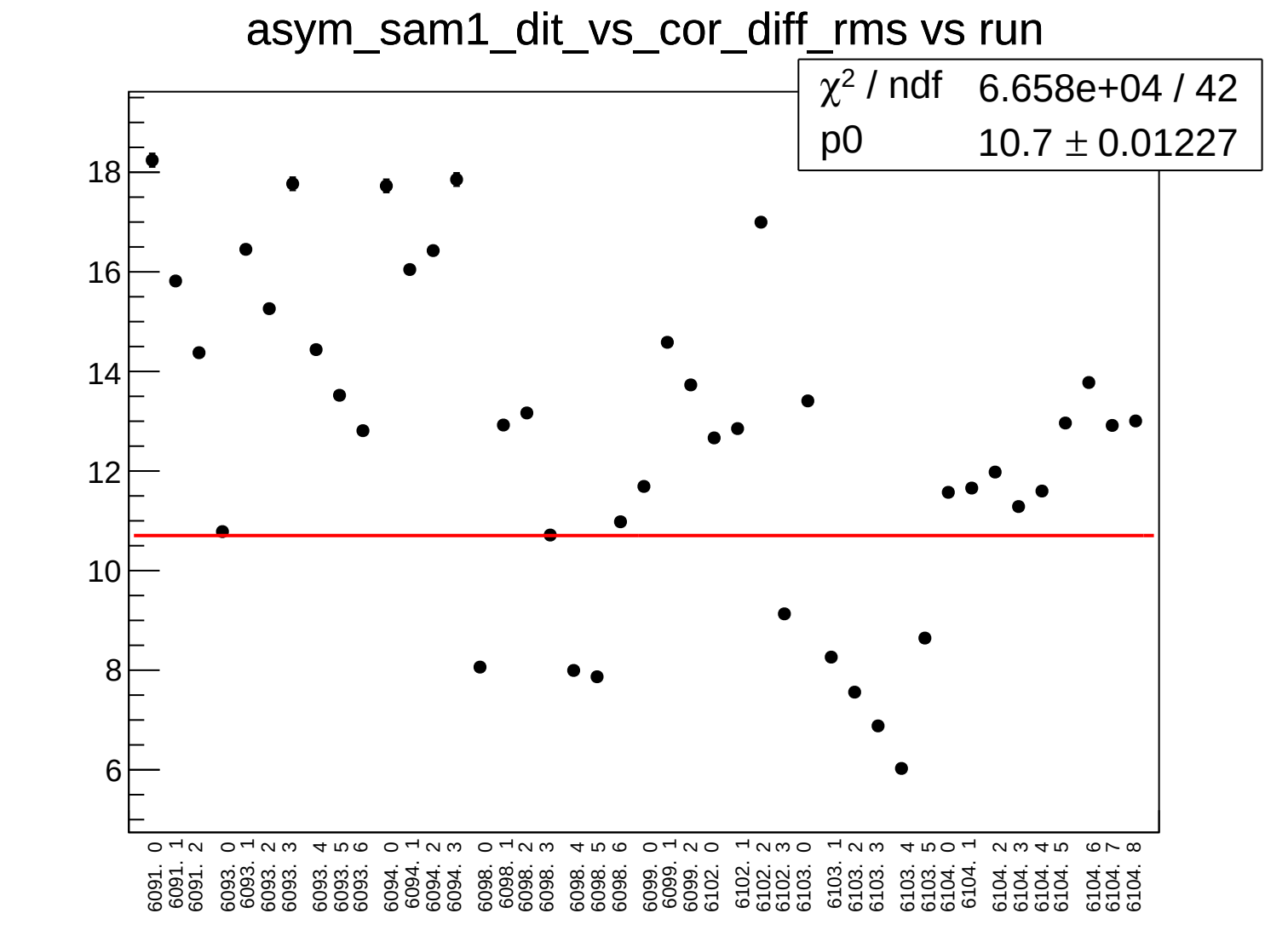

asym_sam1_rms vs run
χ² / ndf 2733 / 42
p0 413.4 ± 0.4552
460
440
420
400
380
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

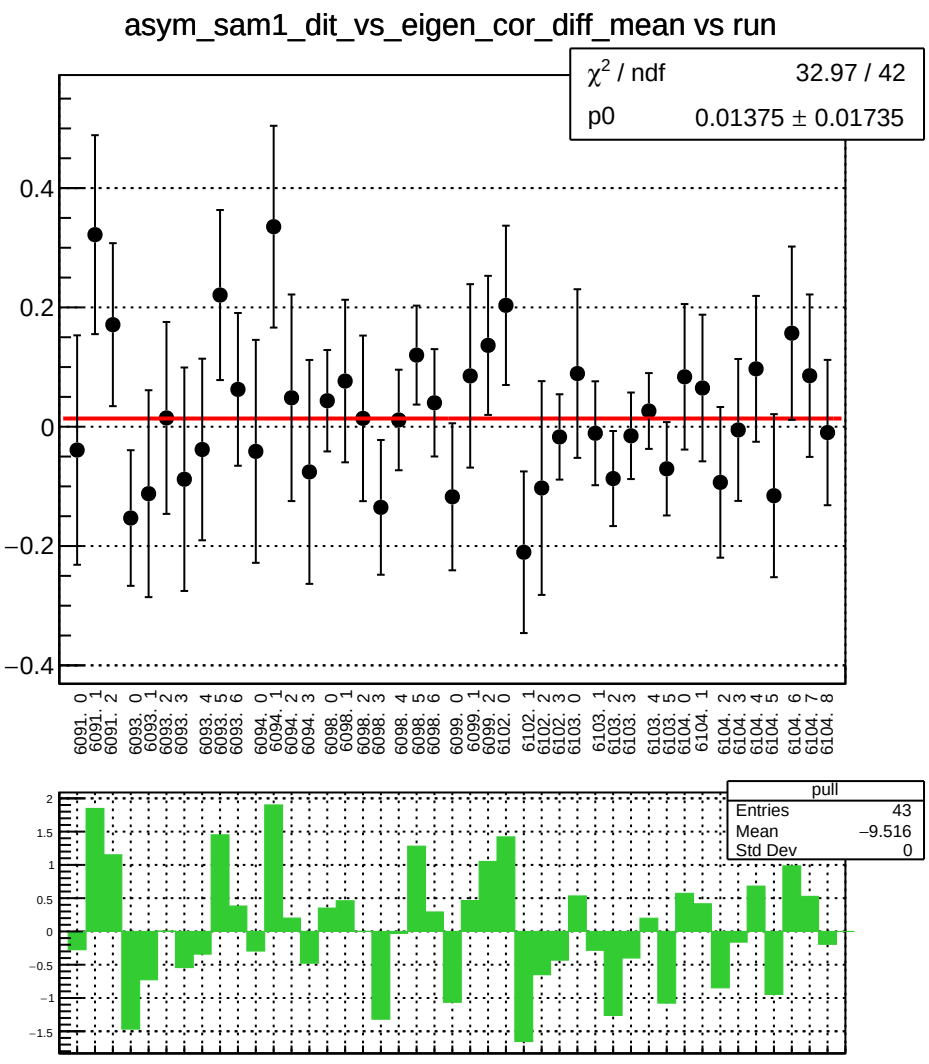

asym_sam1_reg_vs_cor_diff_mean vs run
χ² / ndf 45.48 / 42
p0 1.424e−15 ± 4.744e−14
0.001
0.0008
0.0006
0.0004
0.0002
0
−0.0002
−0.0004
−0.0006
−0.0008
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 6.939
Std Dev 0
2
1
0
−1
−2
pull1D
Entries 43
Mean 0.1888
Std Dev 1.011
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

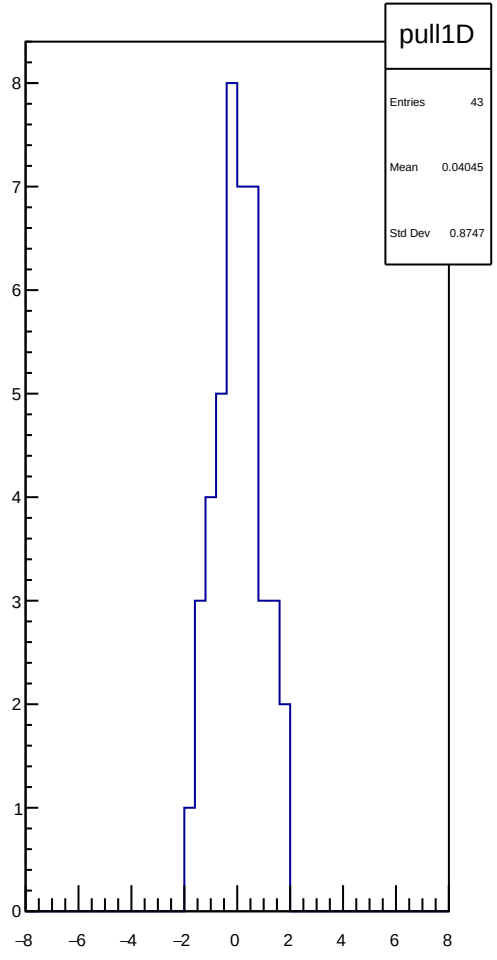

asym_sam1_reg_vs_cor_diff_rms vs run
χ² / ndf 4.732e+05 / 42
p0 1.997e−11 ± 3.355e−14
0.045
0.04
0.035
0.03
0.025
0.02
0.015
0.01
0.005
0
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

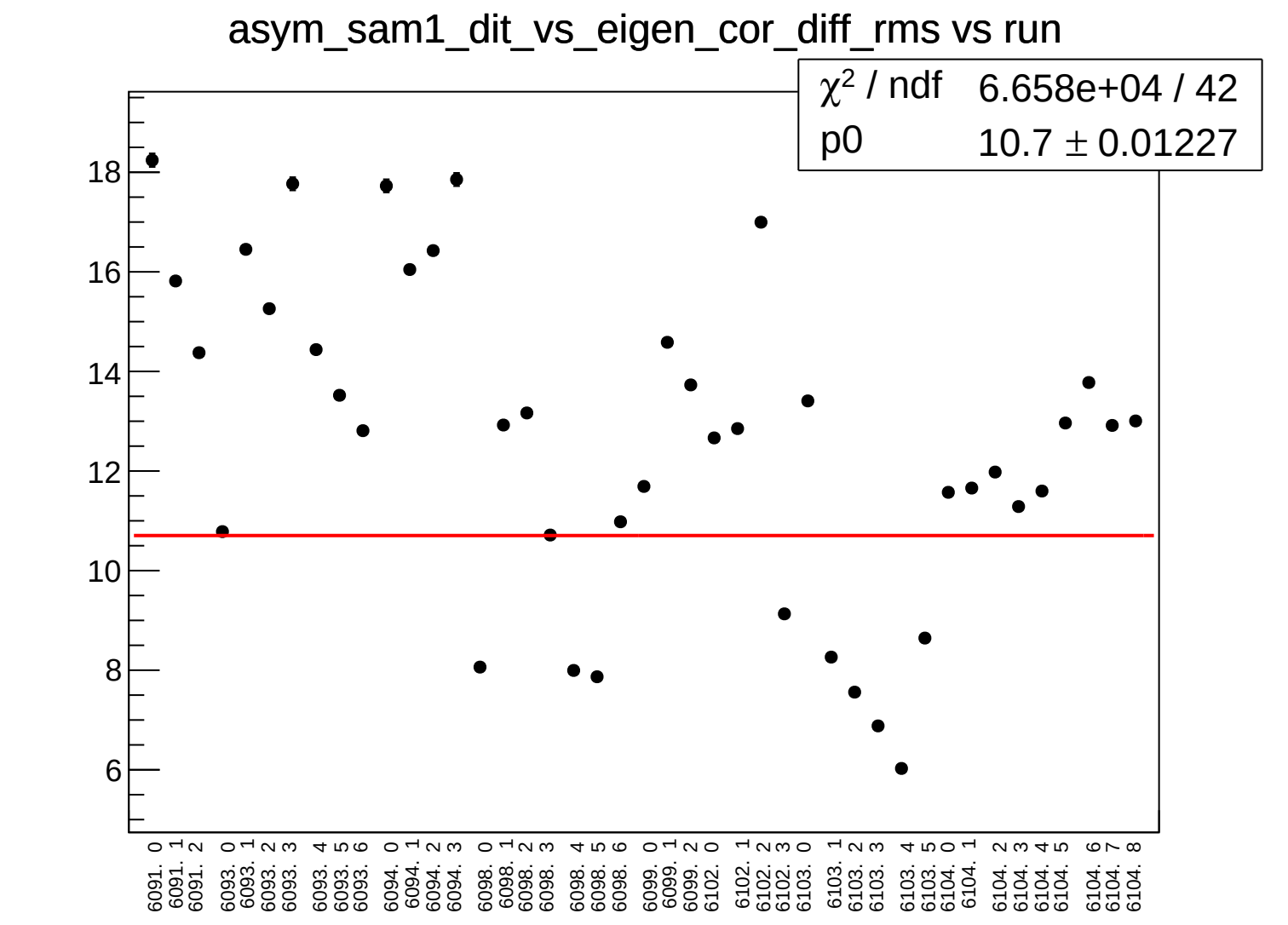

asym_sam1_dit_vs_cor_diff_mean vs run
χ² / ndf 32.97 / 42
p0 0.01375 ± 0.01735
0.4
0.2
0
−0.2
−0.4
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean −9.516
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5

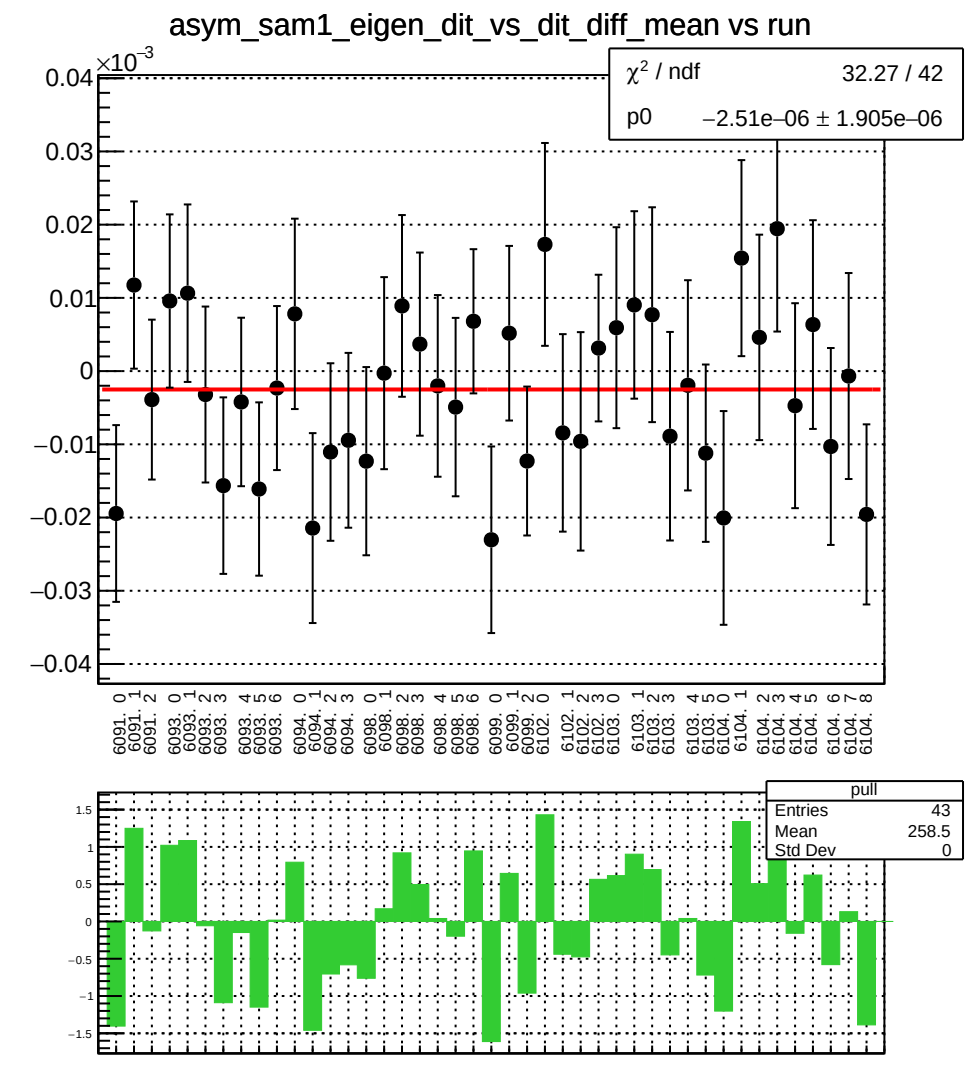

pull1D
Entries 43
Mean 0.04045
Std Dev 0.8747
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

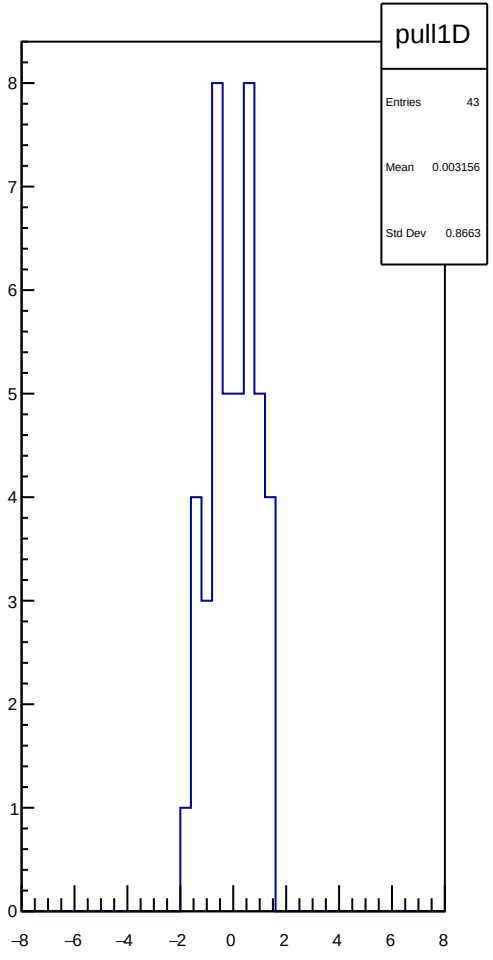

asym_sam1_dit_vs_cor_diff_rms vs run
χ² / ndf 6.658e+04 / 42
p0 10.7 ± 0.01227
18
16
14
12
10
8
6
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

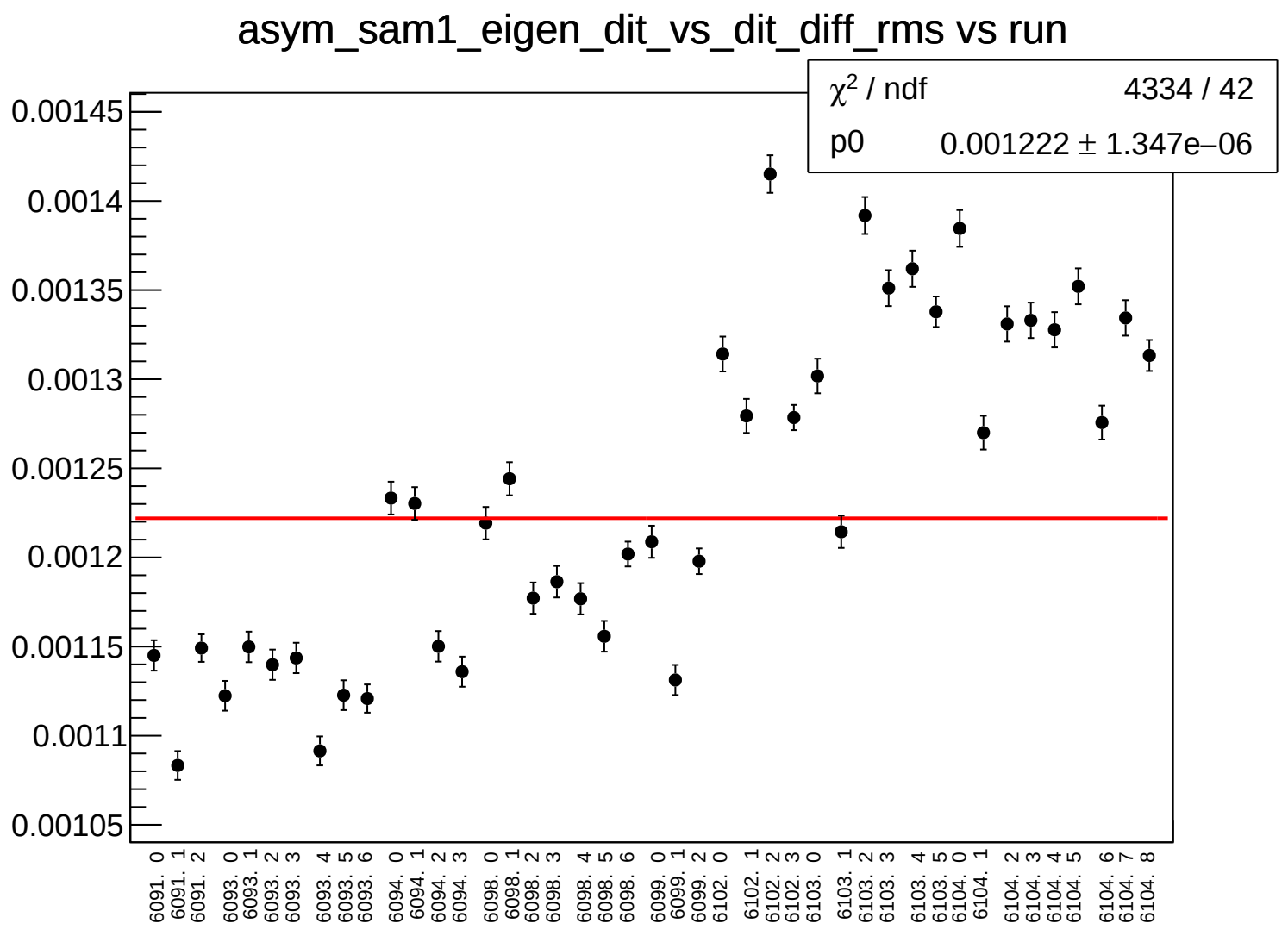

asym_sam1_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 32.97 / 42
p0 0.01375 ± 0.01735
0.4
0.2
0
−0.2
−0.4
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean −9.516
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5

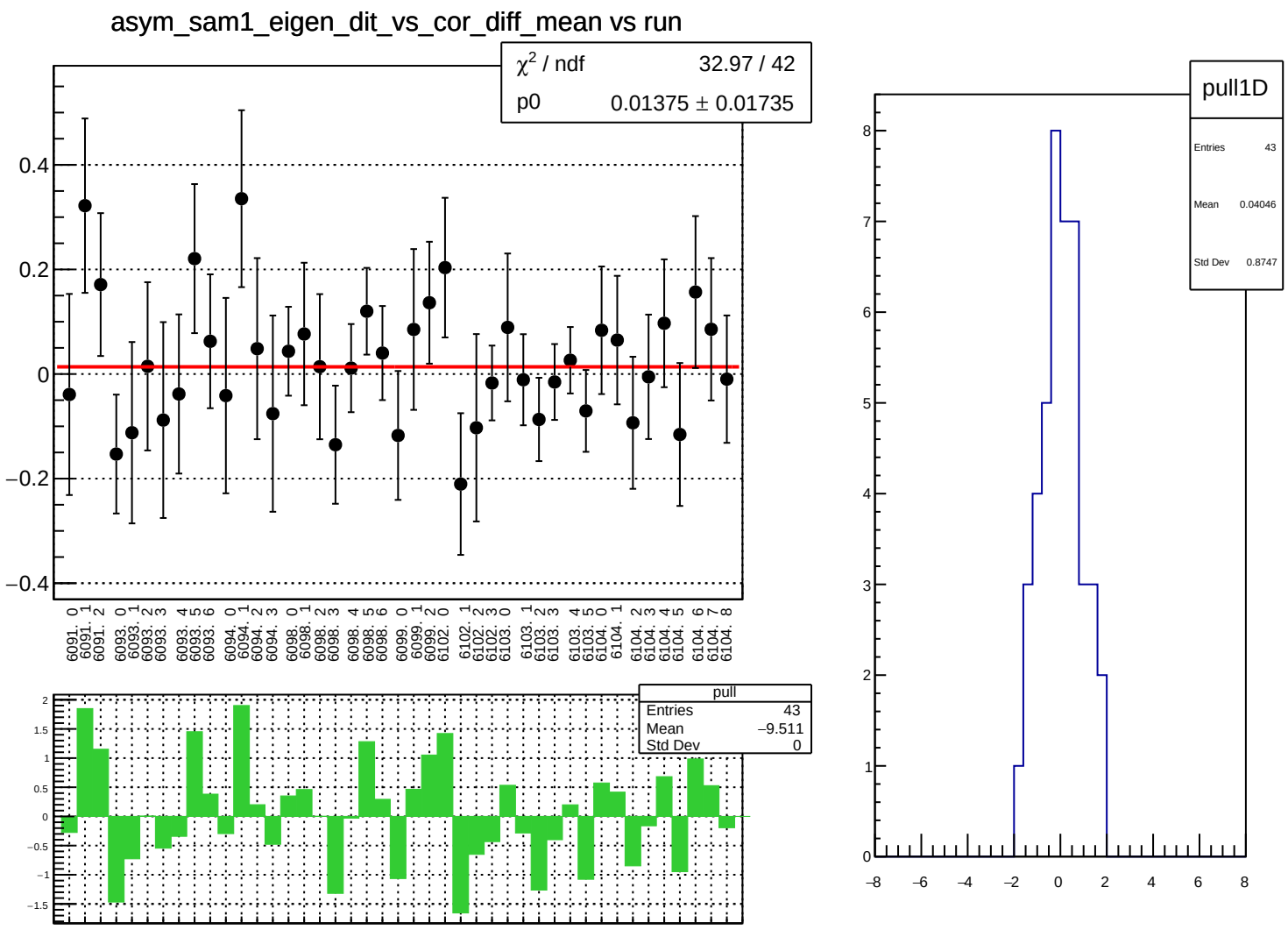

pull1D
Entries 43
Mean 0.04045
Std Dev 0.8747
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

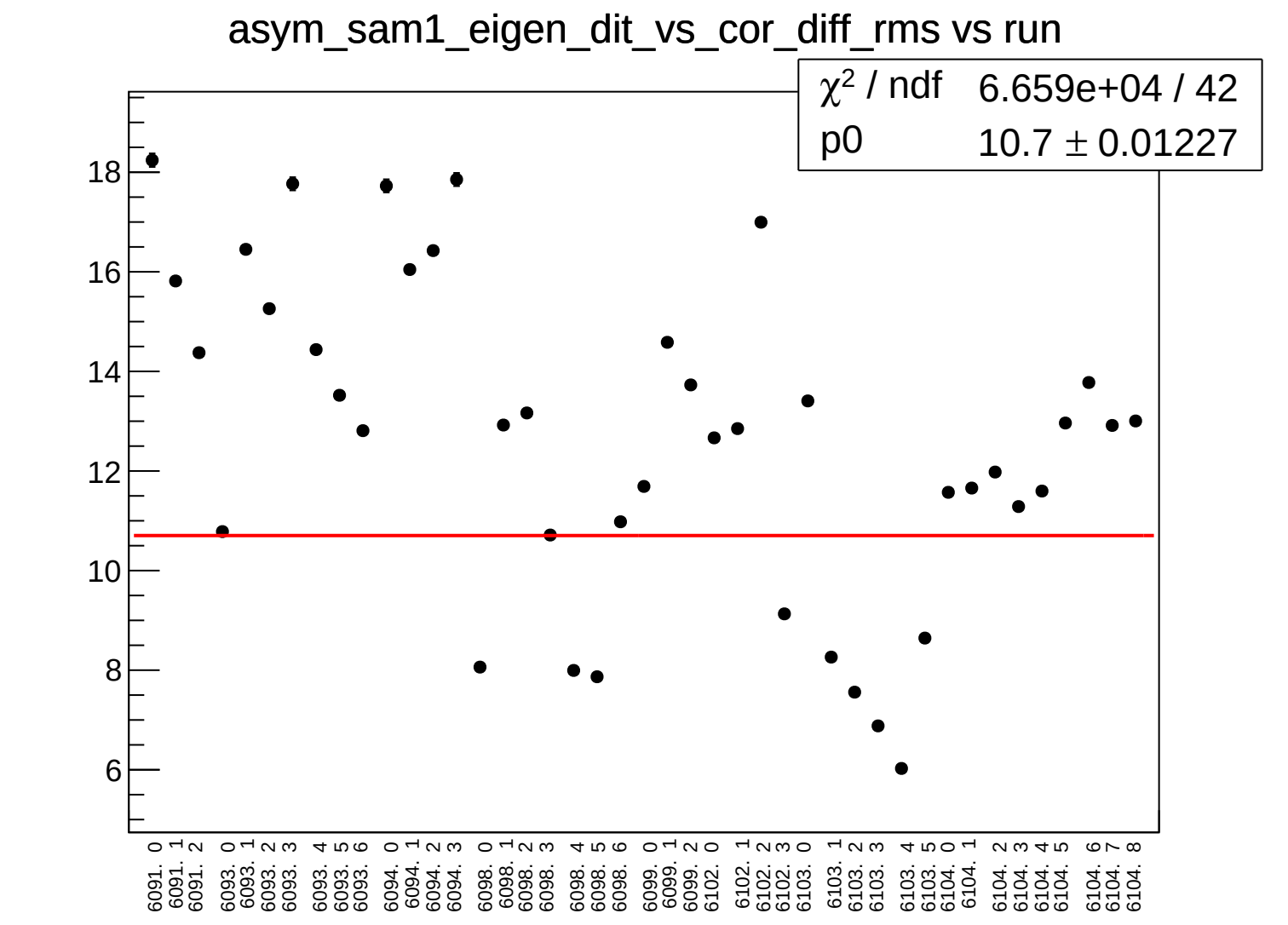

asym_sam1_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 6.658e+04 / 42
p0 10.7 ± 0.01227
18
16
14
12
10
8
6
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

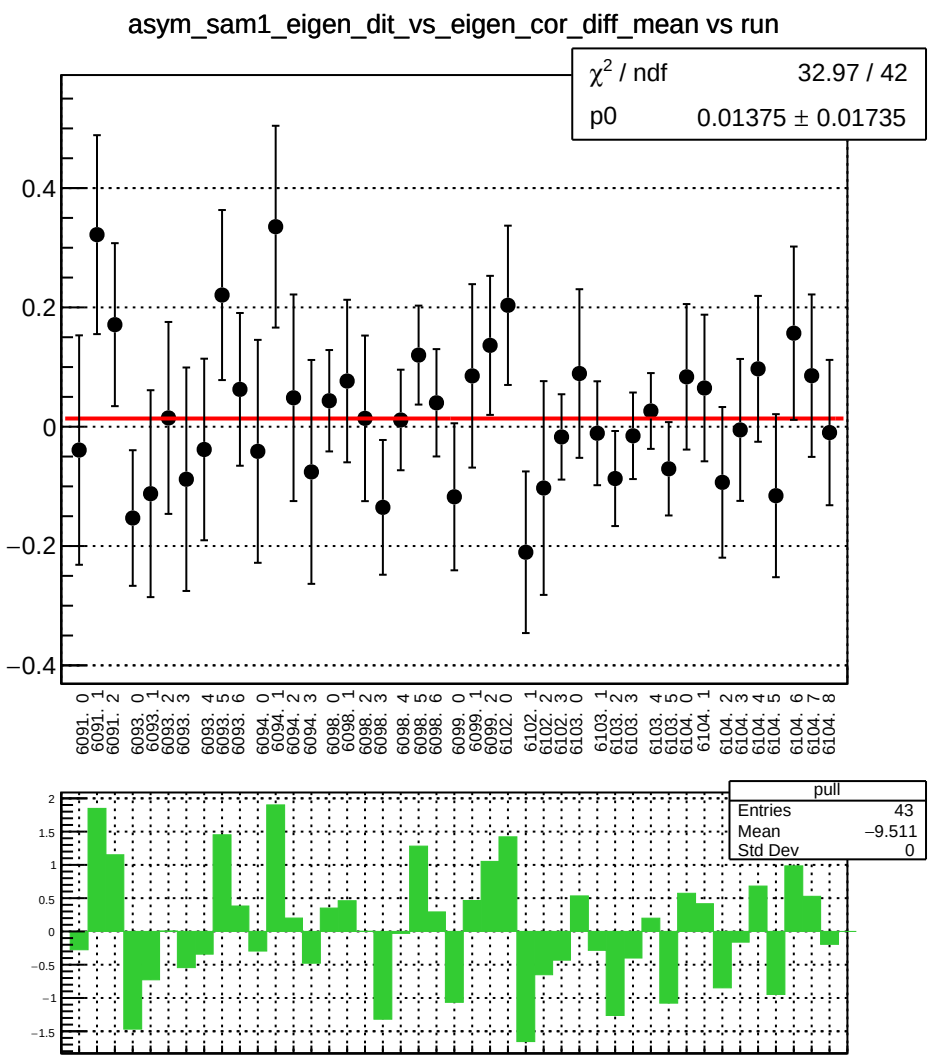

asym_sam1_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 32.27 / 42
p0 −2.51e−06 ± 1.905e−06
0.04
0.03
0.02
0.01
0
−0.01
−0.02
−0.03
−0.04
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 258.5
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5

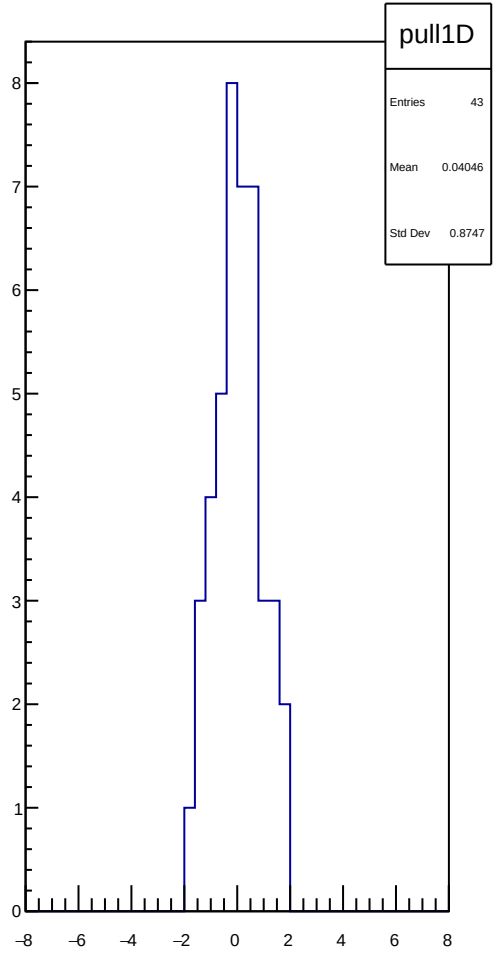

pull1D
Entries 43
Mean 0.003156
Std Dev 0.8663
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

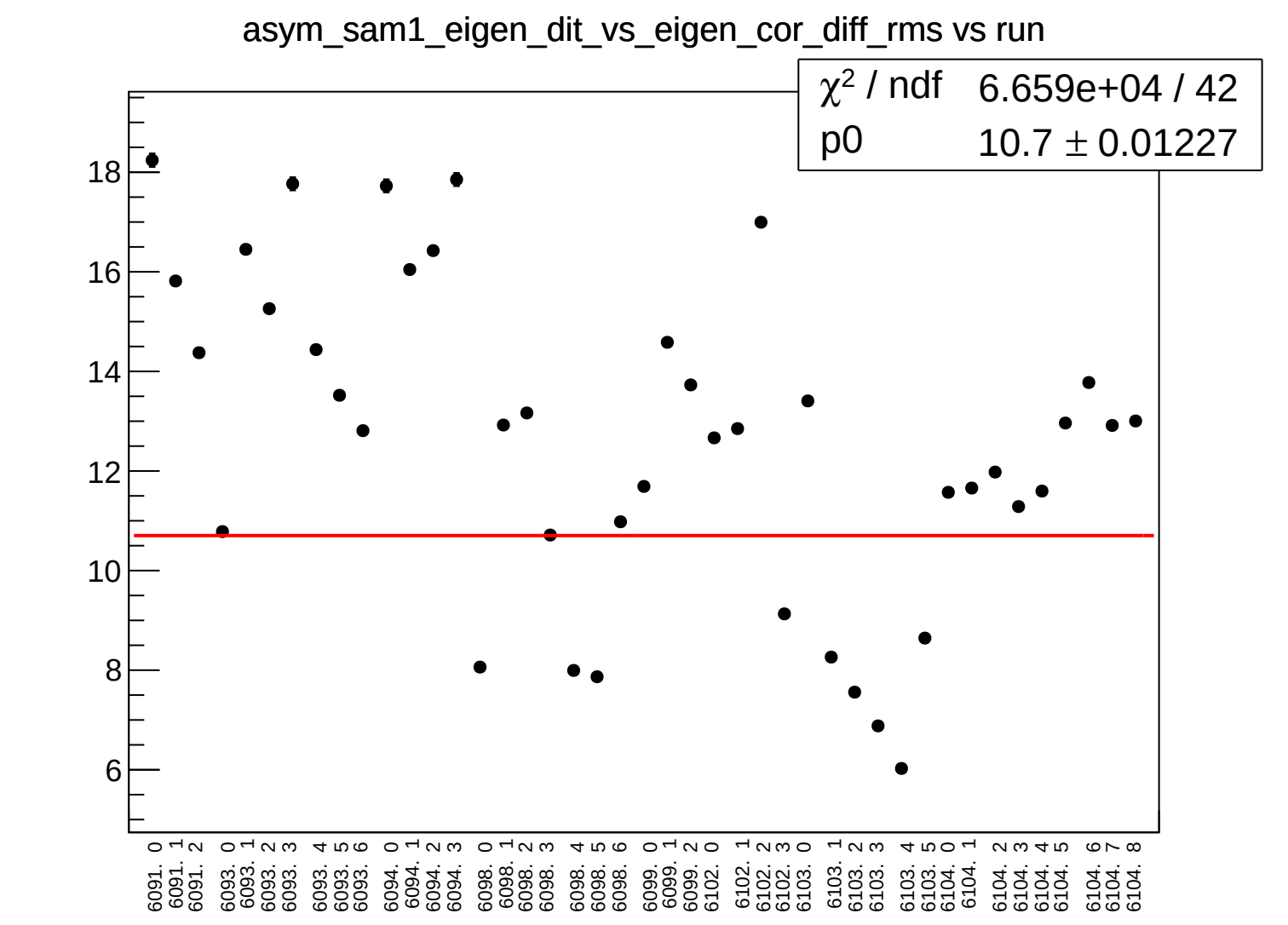

asym_sam1_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 4334 / 42
p0 0.001222 ± 1.347e−06
0.00145
0.0014
0.00135
0.0013
0.00125
0.0012
0.00115
0.0011
0.00105
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

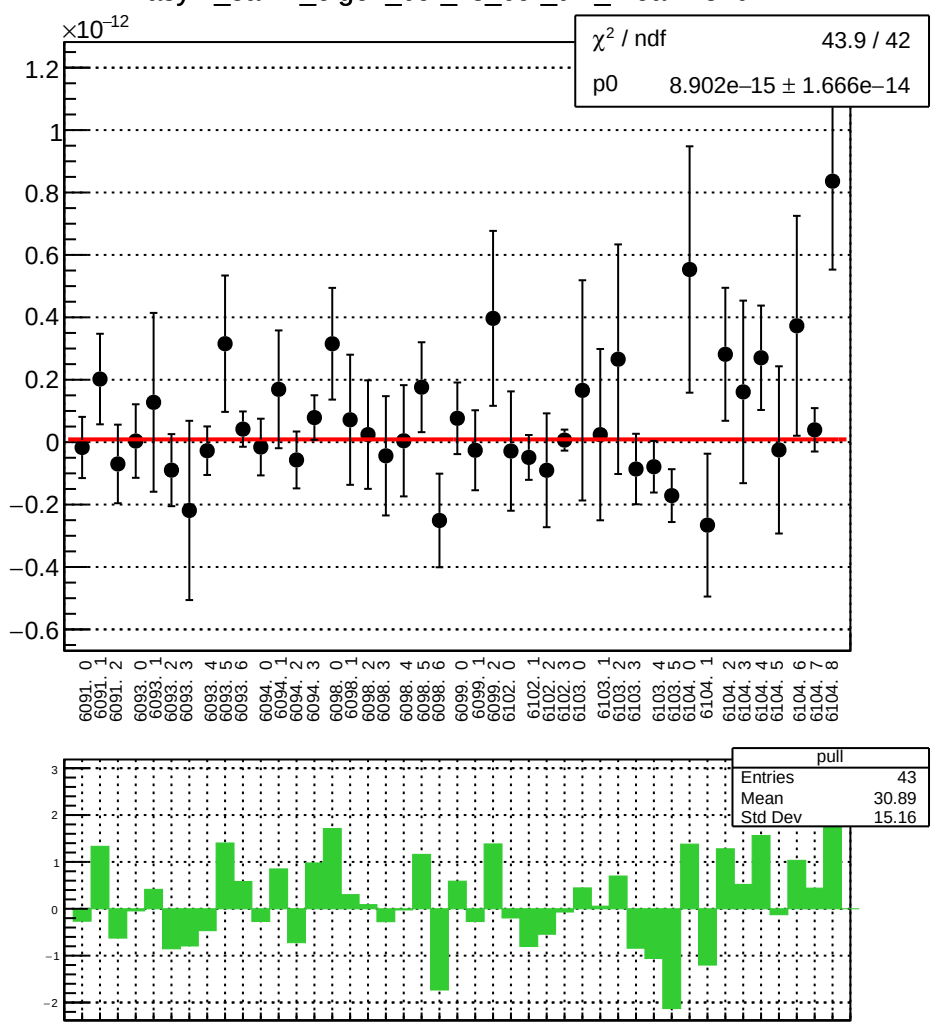

asym_sam1_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 32.97 / 42
p0 0.01375 ± 0.01735
0.4
0.2
0
−0.2
−0.4
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean −9.511
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 43
Mean 0.04046
Std Dev 0.8747
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

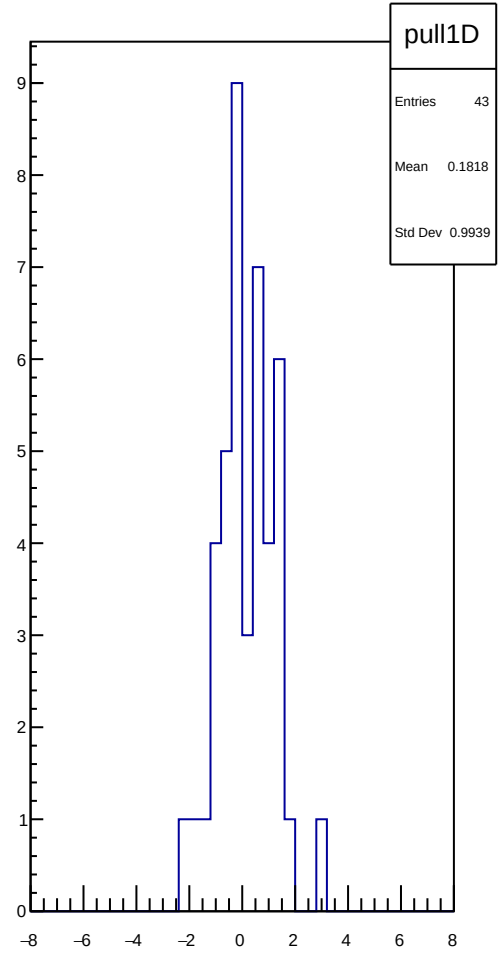

asym_sam1_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 6.659e+04 / 42
p0 10.7 ± 0.01227
18
16
14
12
10
8
6
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

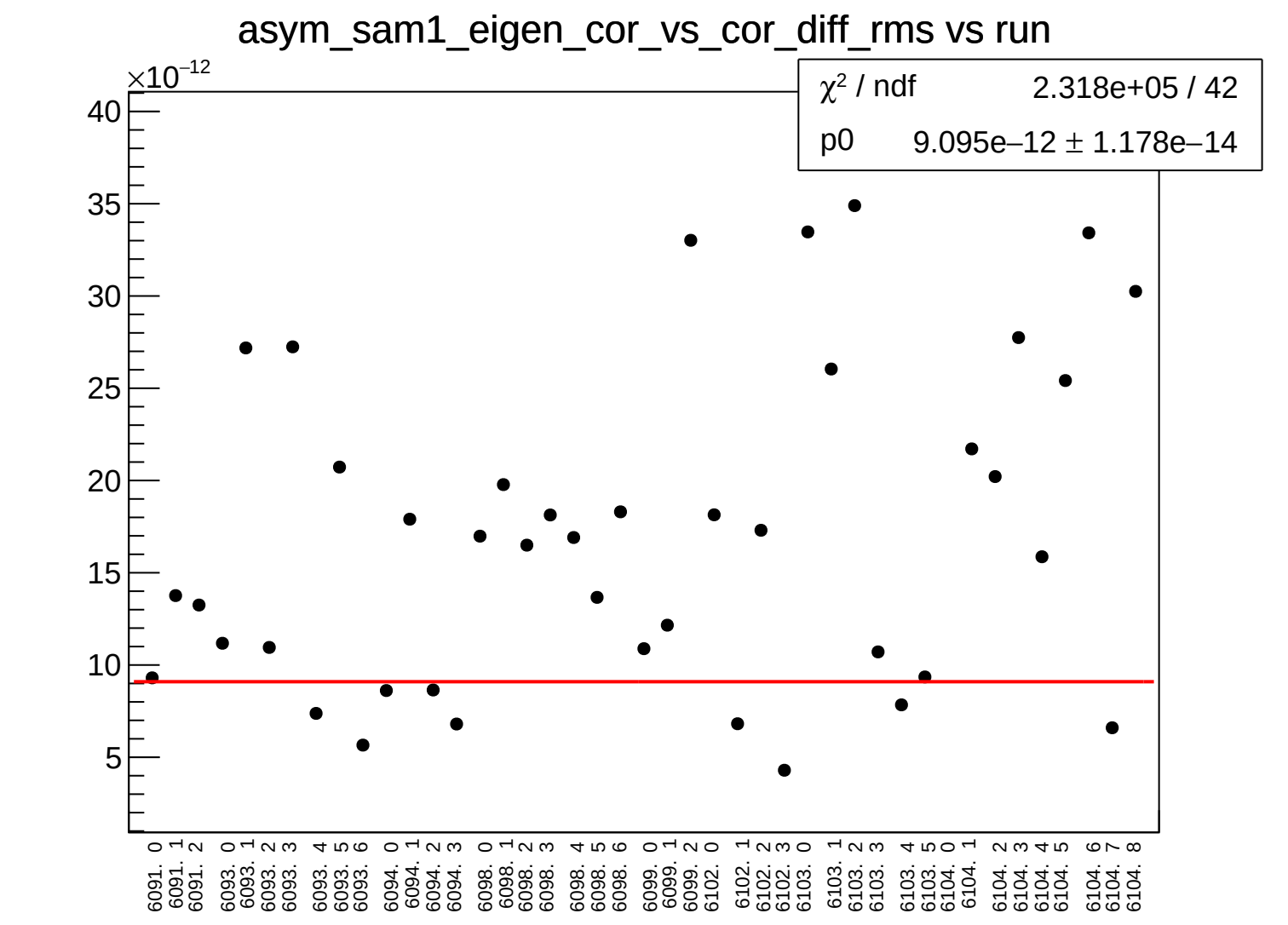

asym_sam1_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 32.97 / 42
p0 0.01375 ± 0.01735
0.4
0.2
0
−0.2
−0.4
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean −9.511
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5

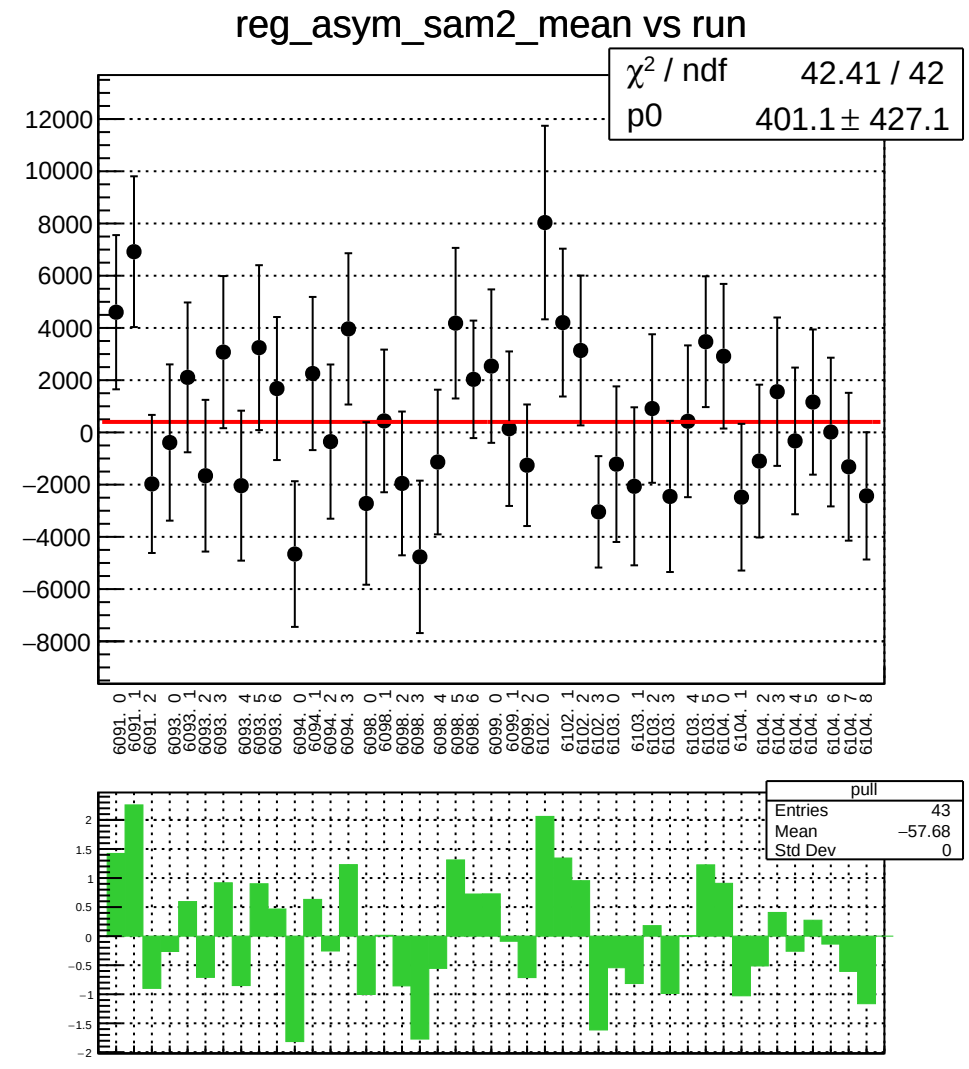

pull1D
Entries 43
Mean 0.04046
Std Dev 0.8747
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

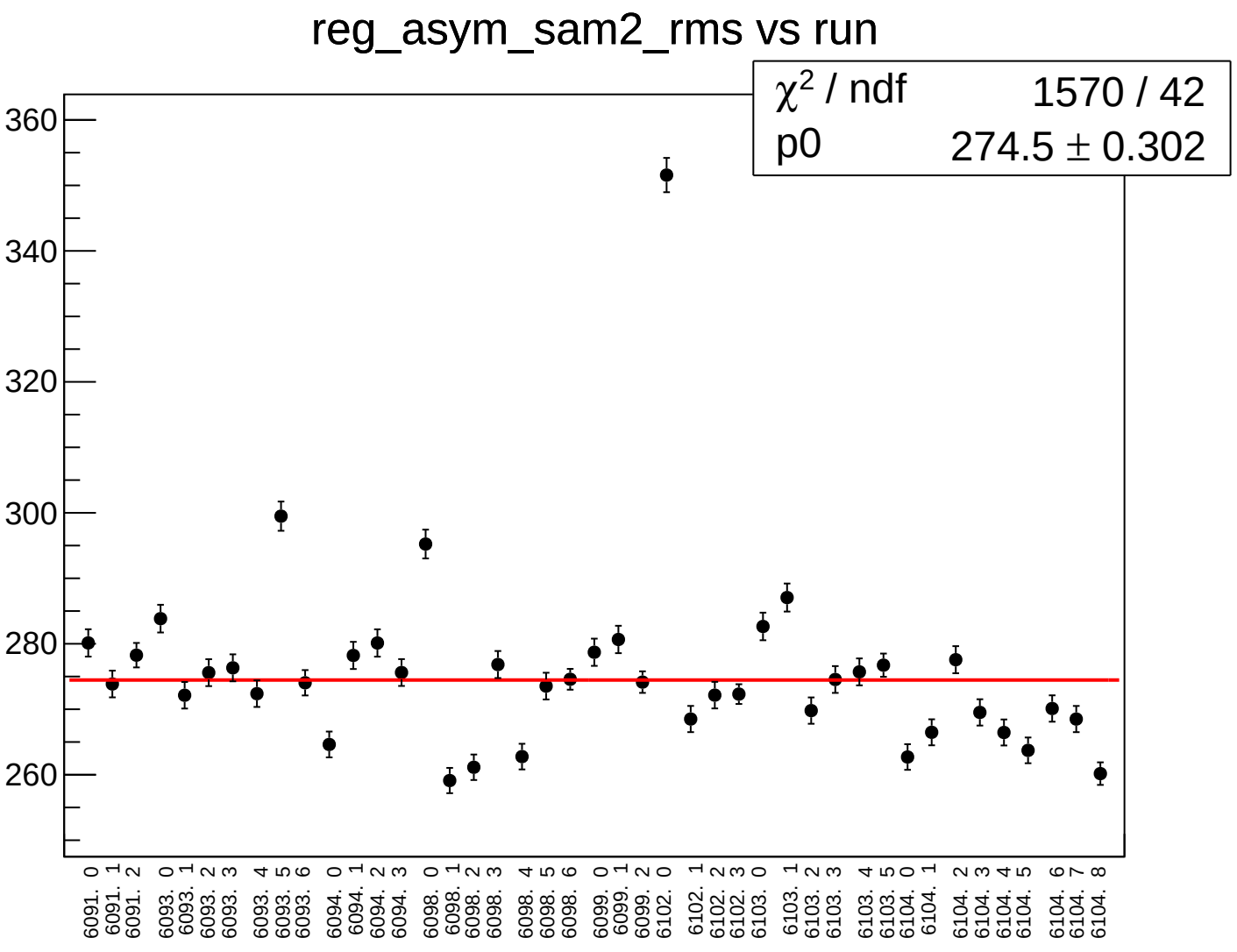

asym_sam1_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 6.659e+04 / 42
p0 10.7 ± 0.01227
18
16
14
12
10
8
6
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

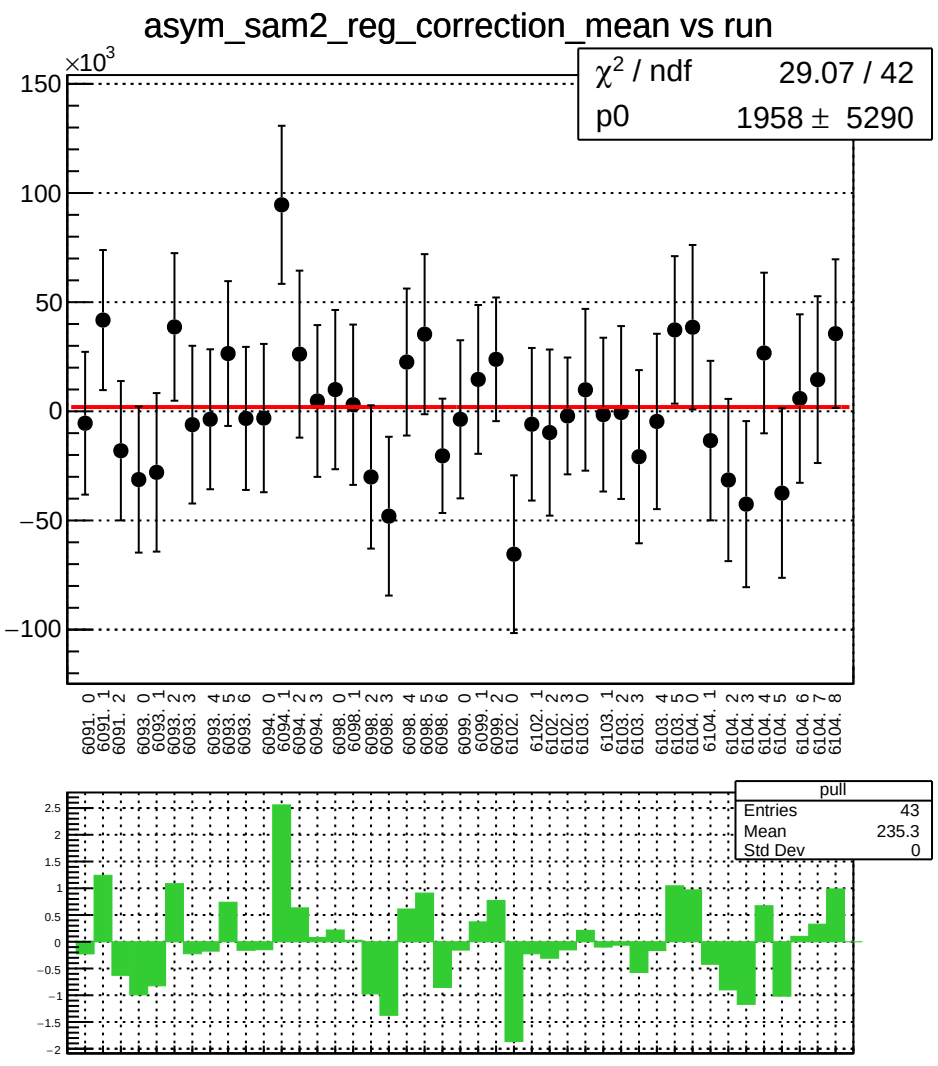

asym_sam1_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 43.9 / 42
p0 8.902e−15 ± 1.666e−14
pull
Entries 43
Mean 30.89
Std Dev 15.16

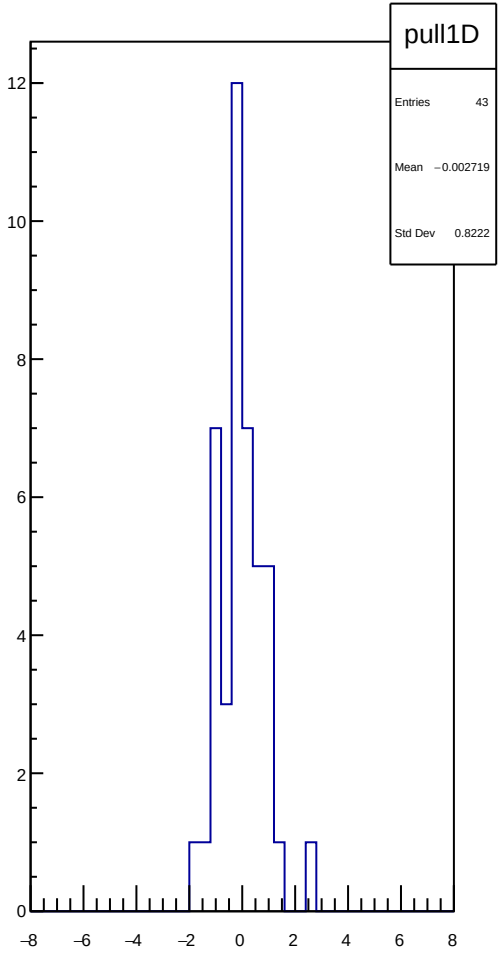

pull1D
Entries 43
Mean 0.1818
Std Dev 0.9939

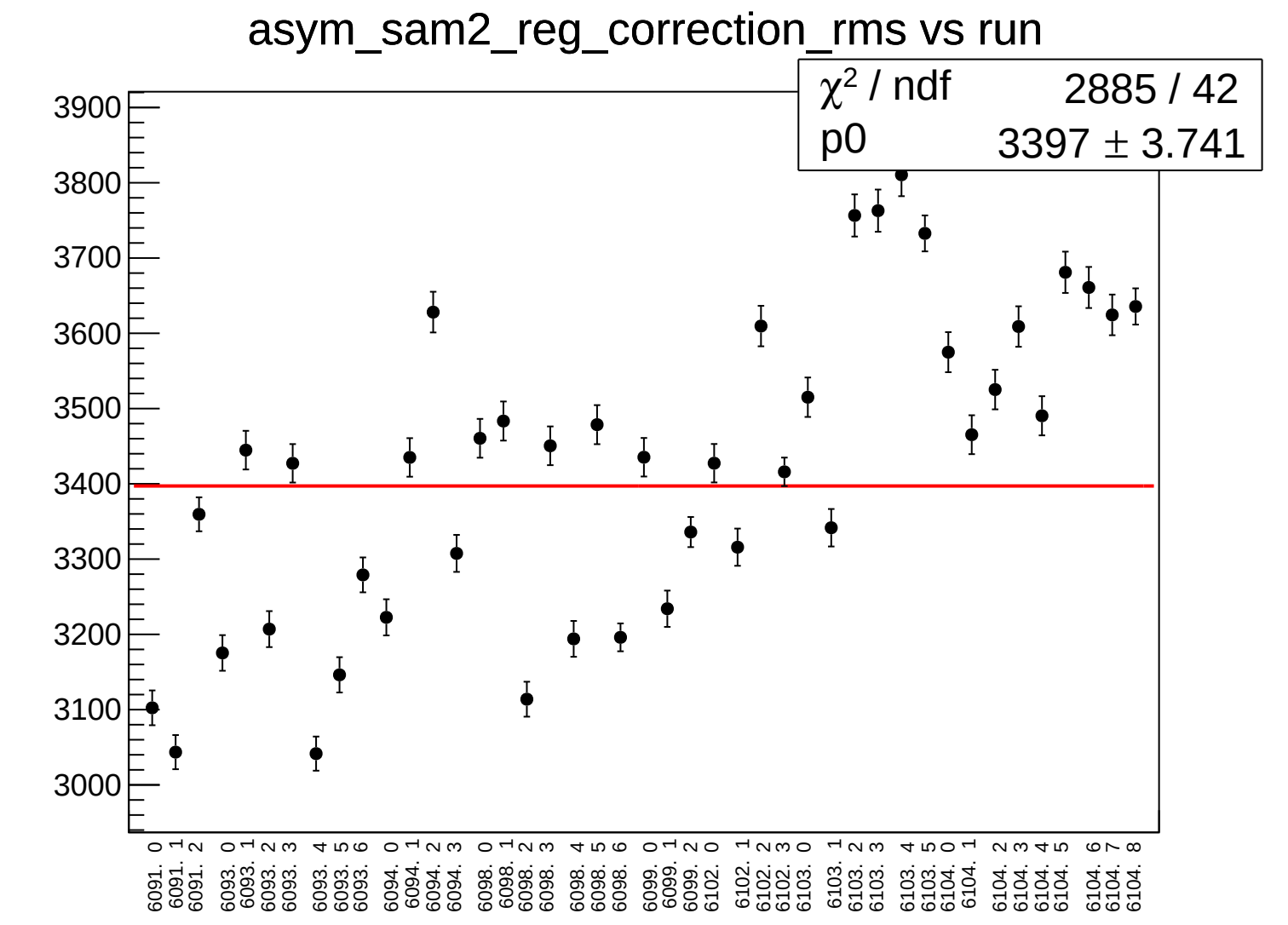

asym_sam1_eigen_cor_vs_cor_diff_rms vs run
×10⁻¹²
χ² / ndf 2.318e+05 / 42
p0 9.095e−12 ± 1.178e−14
40
35
30
25
20
15
10
5
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

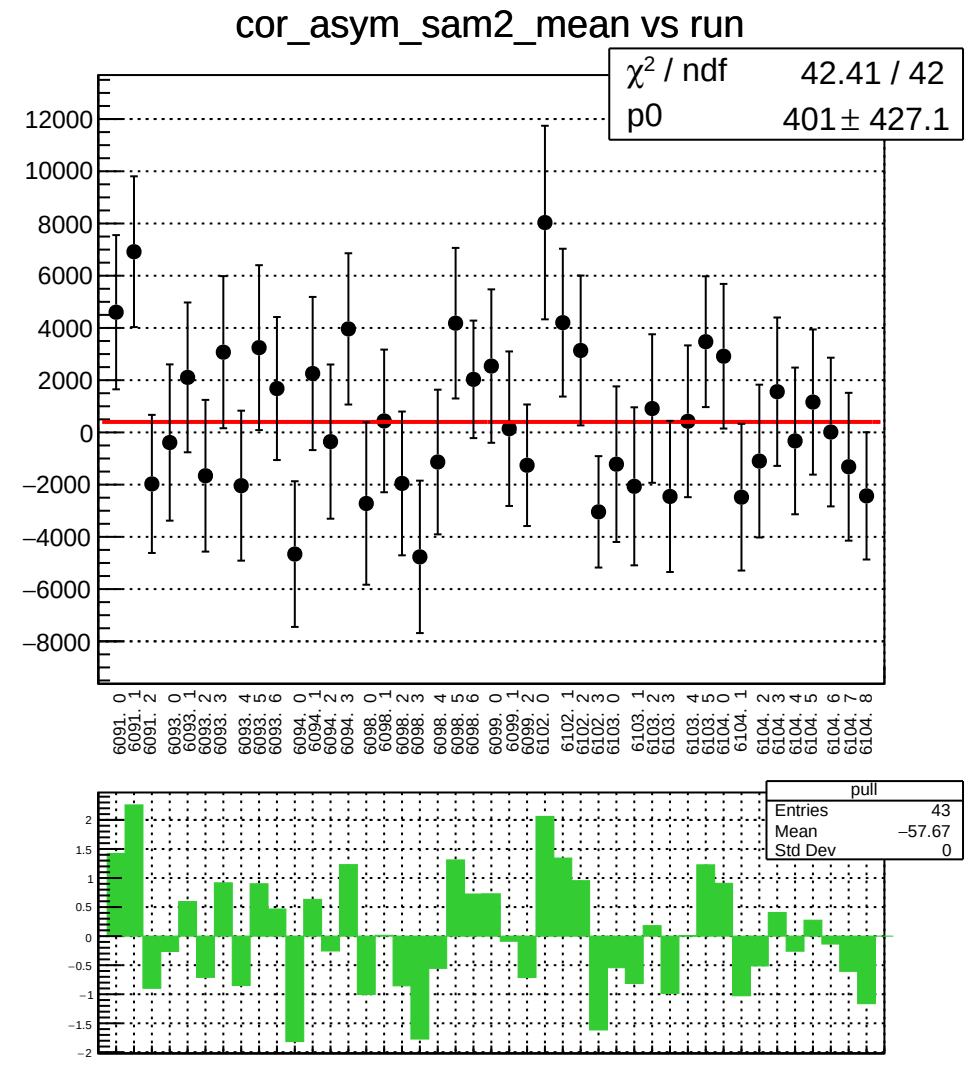

reg_asym_sam2_mean vs run
χ² / ndf 42.41 / 42
p0 401.1 ± 427.1
12000
10000
8000
6000
4000
2000
0
−2000
−4000
−6000
−8000
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean −57.68
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 43
Mean 0.02626
Std Dev 0.9928
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

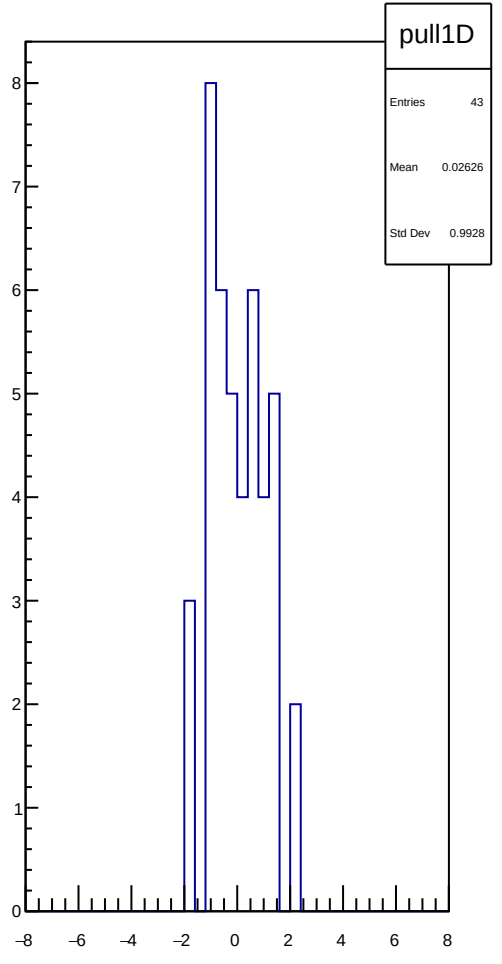

reg_asym_sam2_rms vs run
χ² / ndf 1570 / 42
p0 274.5 ± 0.302
360
340
320
300
280
260
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

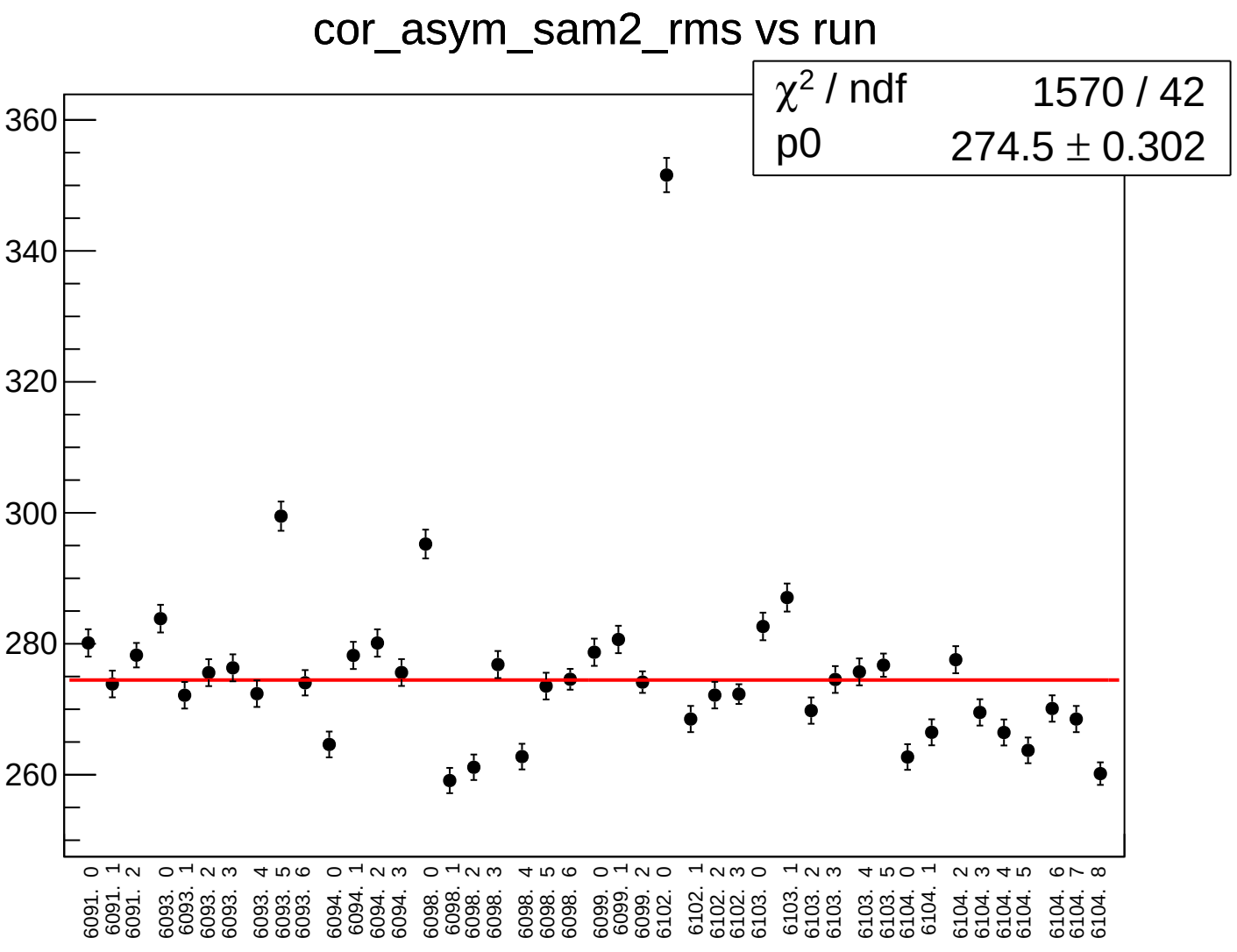

asym_sam2_reg_correction_mean vs run
×10^3
χ² / ndf 29.07 / 42
p0 1958 ± 5290
150
100
50
0
−50
−100
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 235.3
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

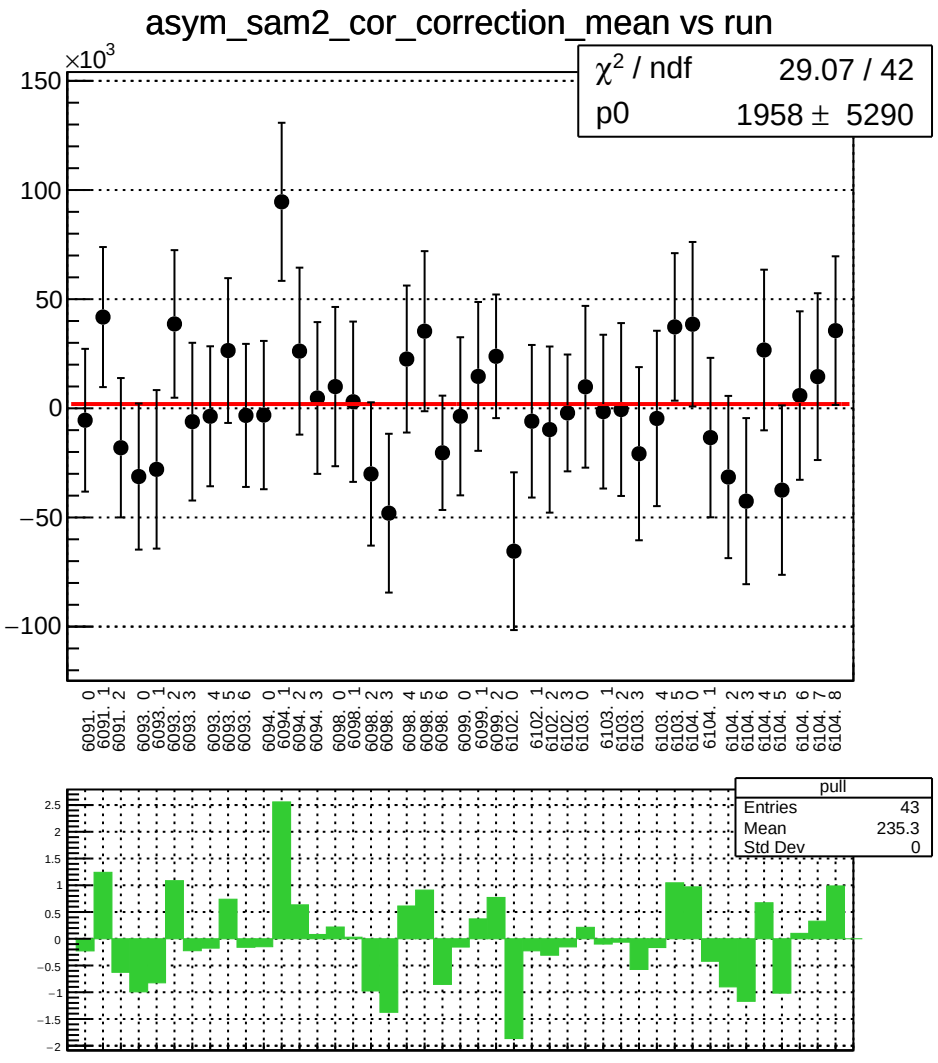

pull1D
Entries 43
Mean −0.002719
Std Dev 0.8222
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

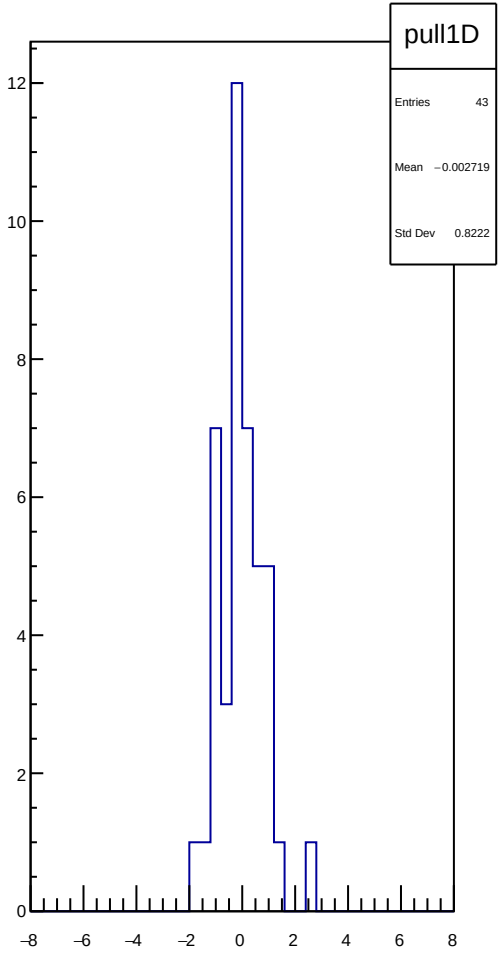

asym_sam2_reg_correction_rms vs run
χ² / ndf 2885 / 42
p0 3397 ± 3.741
3900
3800
3700
3600
3500
3400
3300
3200
3100
3000
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

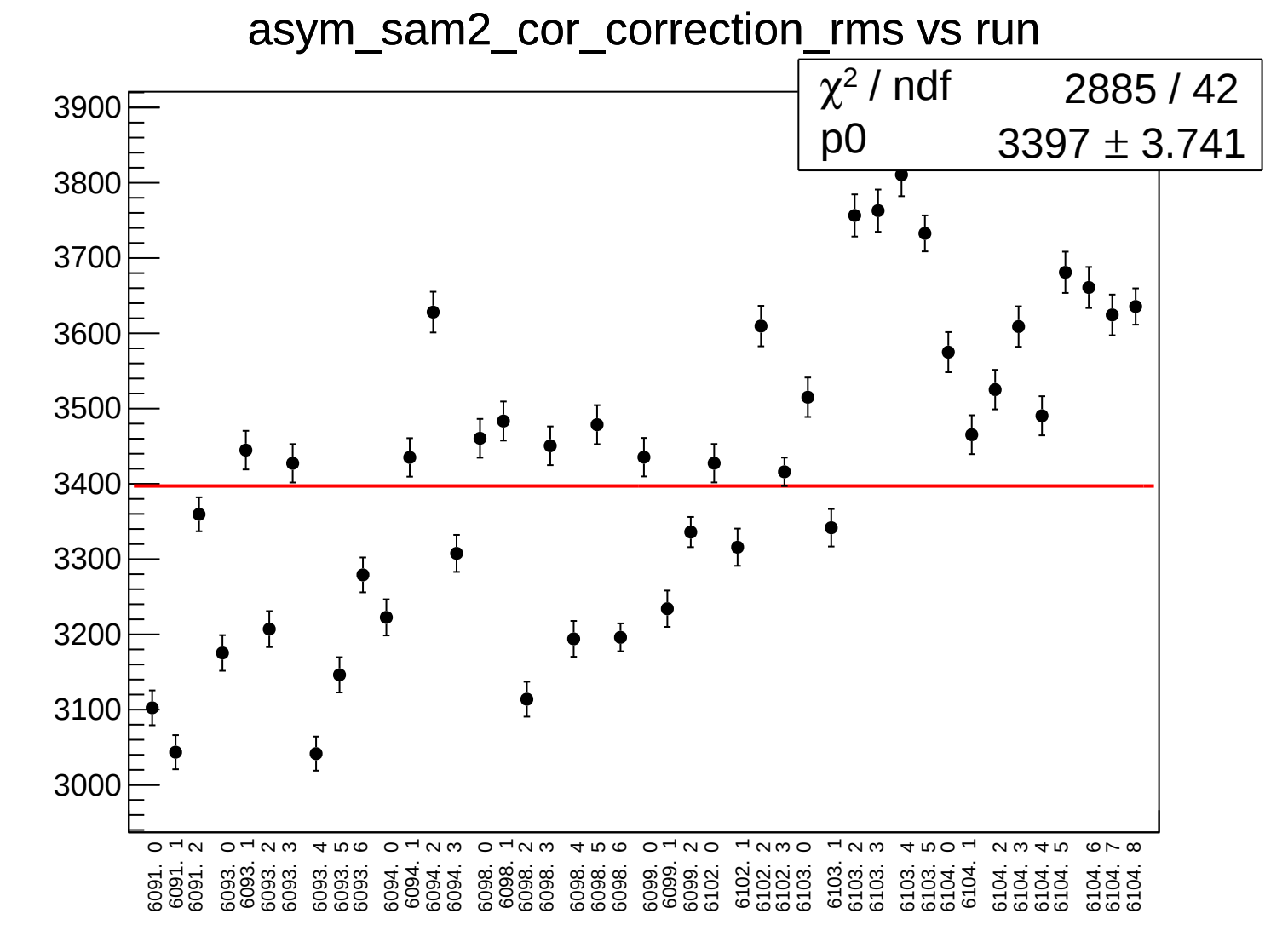

cor_asym_sam2_mean vs run
χ² / ndf 42.41 / 42
p0 401 ± 427.1
12000
10000
8000
6000
4000
2000
0
−2000
−4000
−6000
−8000
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean −57.67
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

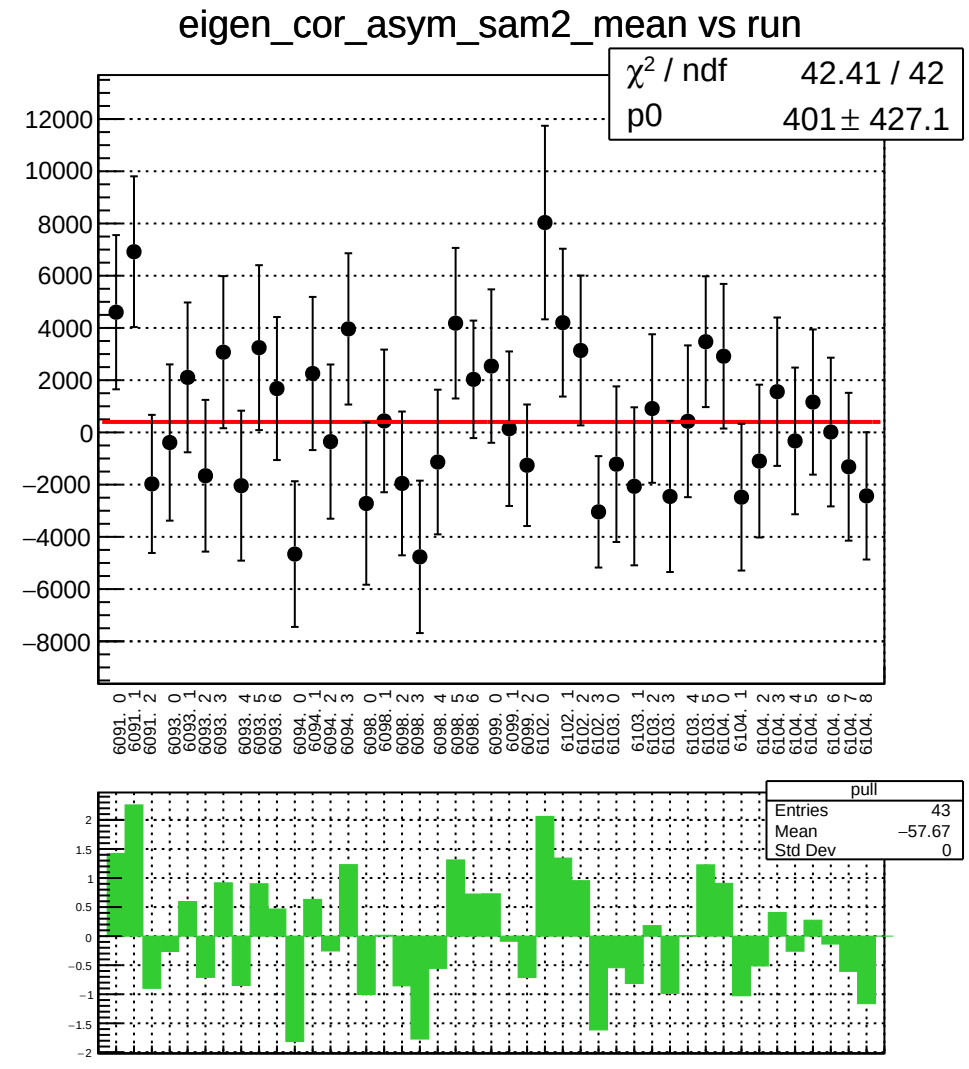

pull1D
Entries 43
Mean 0.02626
Std Dev 0.9928
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

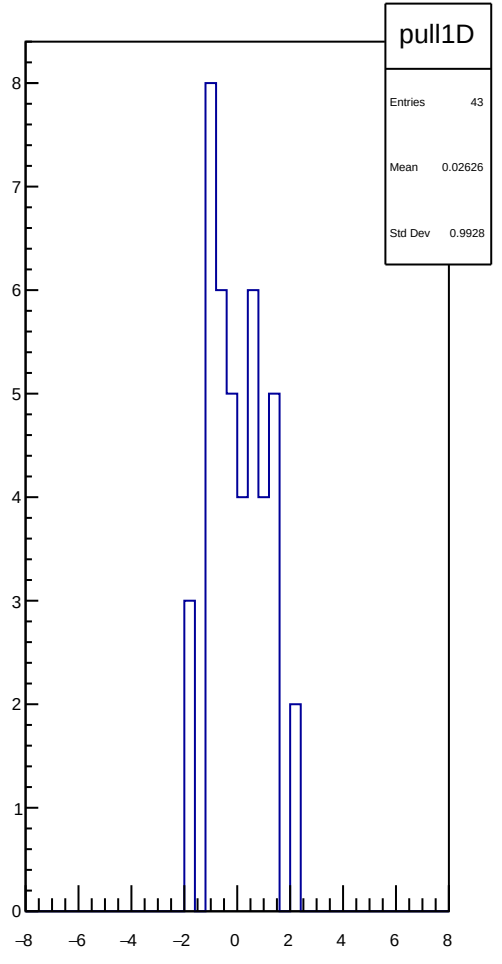

cor_asym_sam2_rms vs run
χ^2 / ndf 1570 / 42
p0 274.5 ± 0.302
360
340
320
300
280
260
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

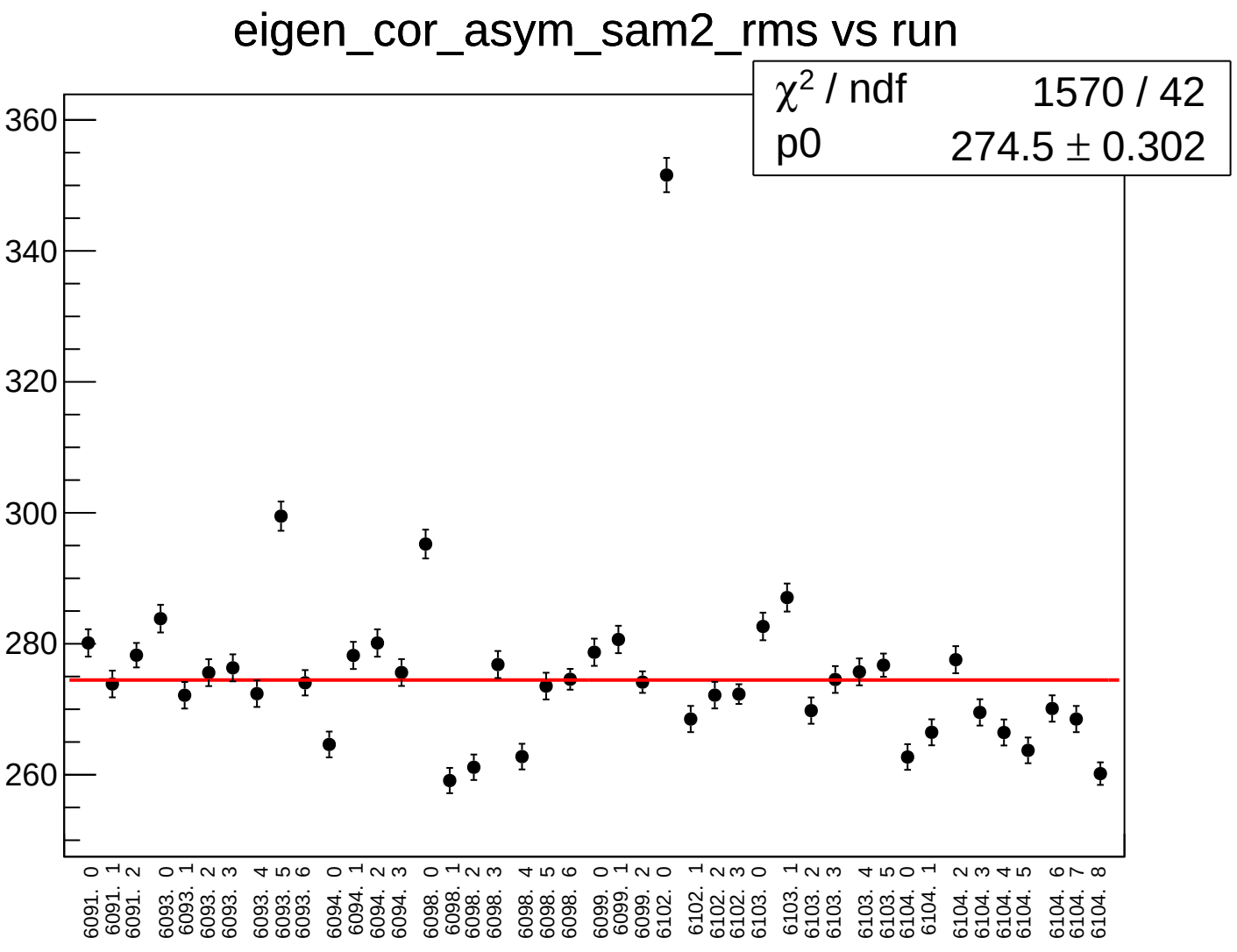

asym_sam2_cor_correction_mean vs run
×10^3
χ² / ndf 29.07 / 42
p0 1958 ± 5290
150
100
50
0
−50
−100
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 235.3
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

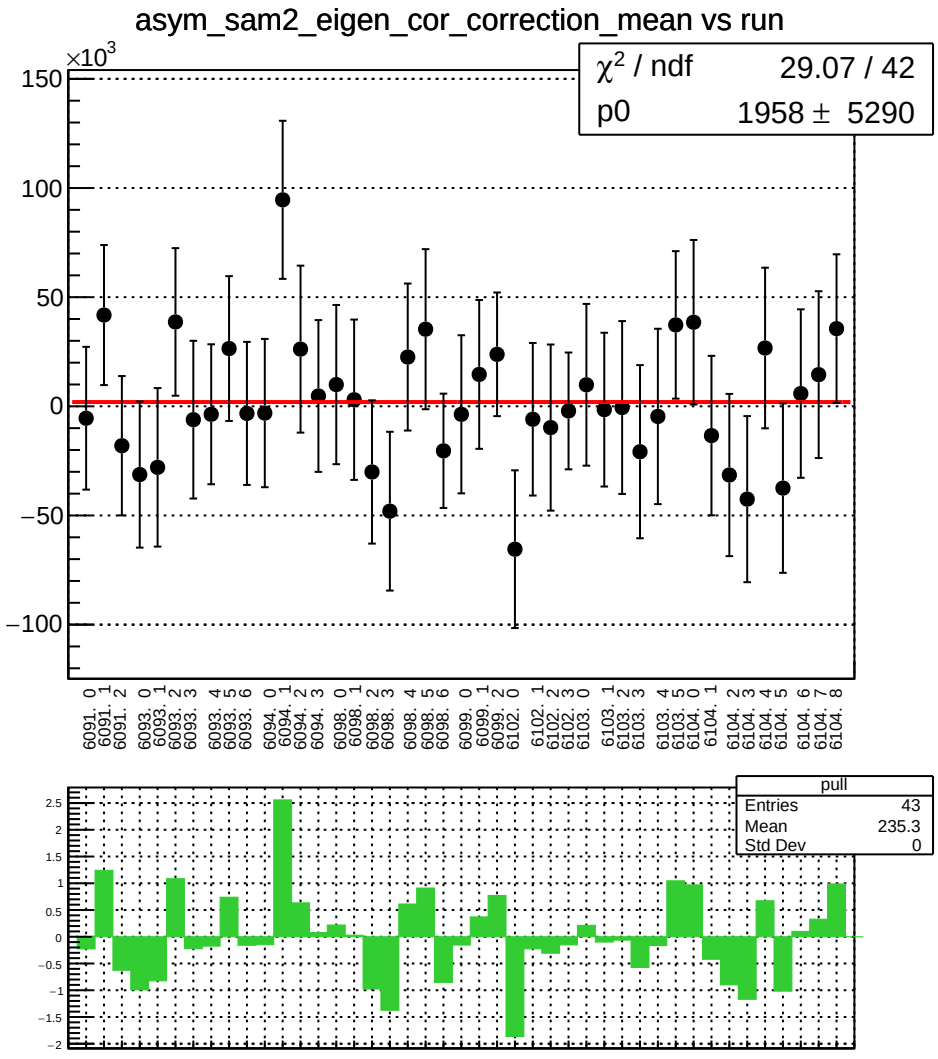

pull1D
Entries 43
Mean −0.002719
Std Dev 0.8222
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

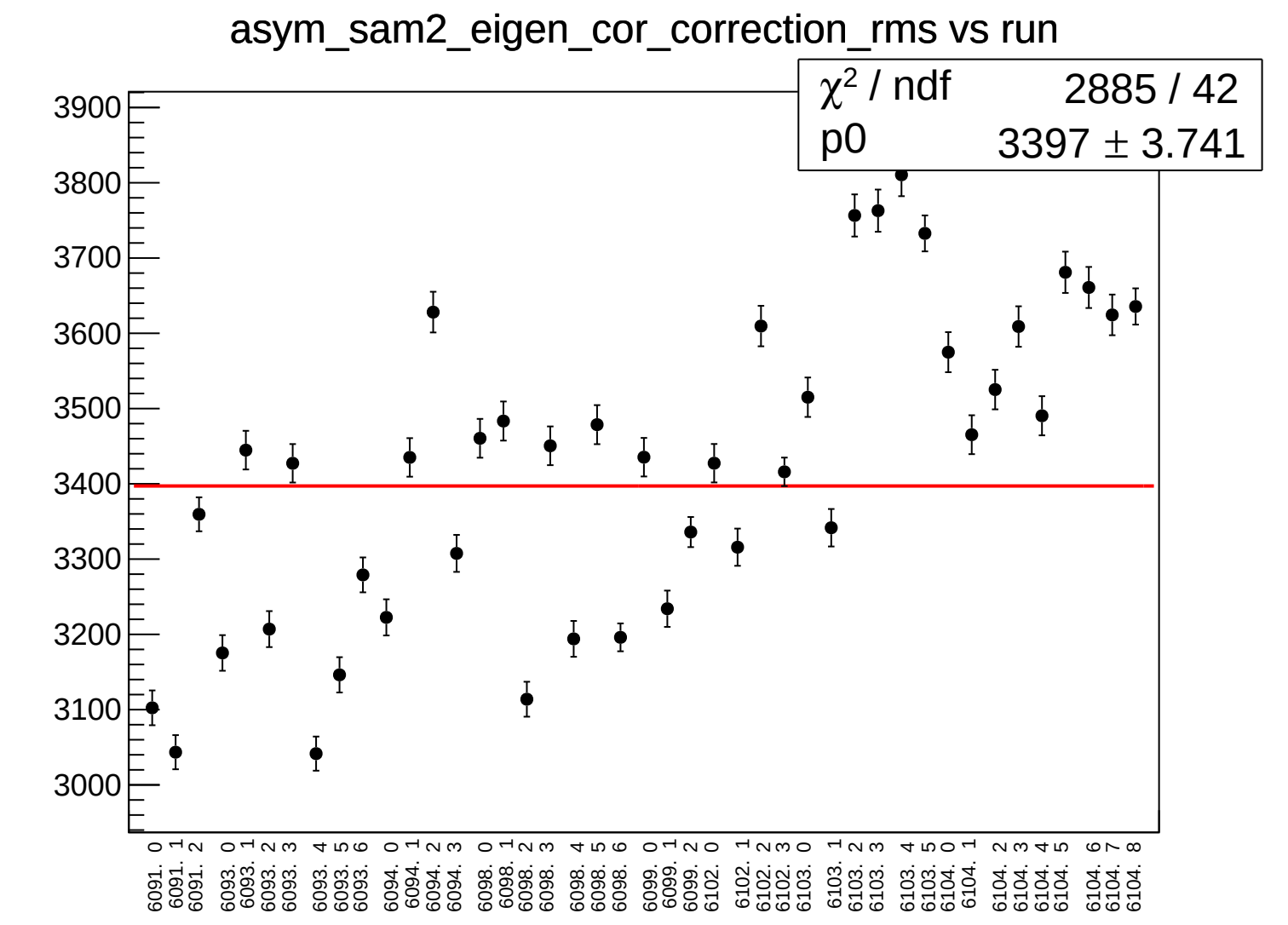

asym_sam2_cor_correction_rms vs run
χ² / ndf 2885 / 42
p0 3397 ± 3.741
3900
3800
3700
3600
3500
3400
3300
3200
3100
3000
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

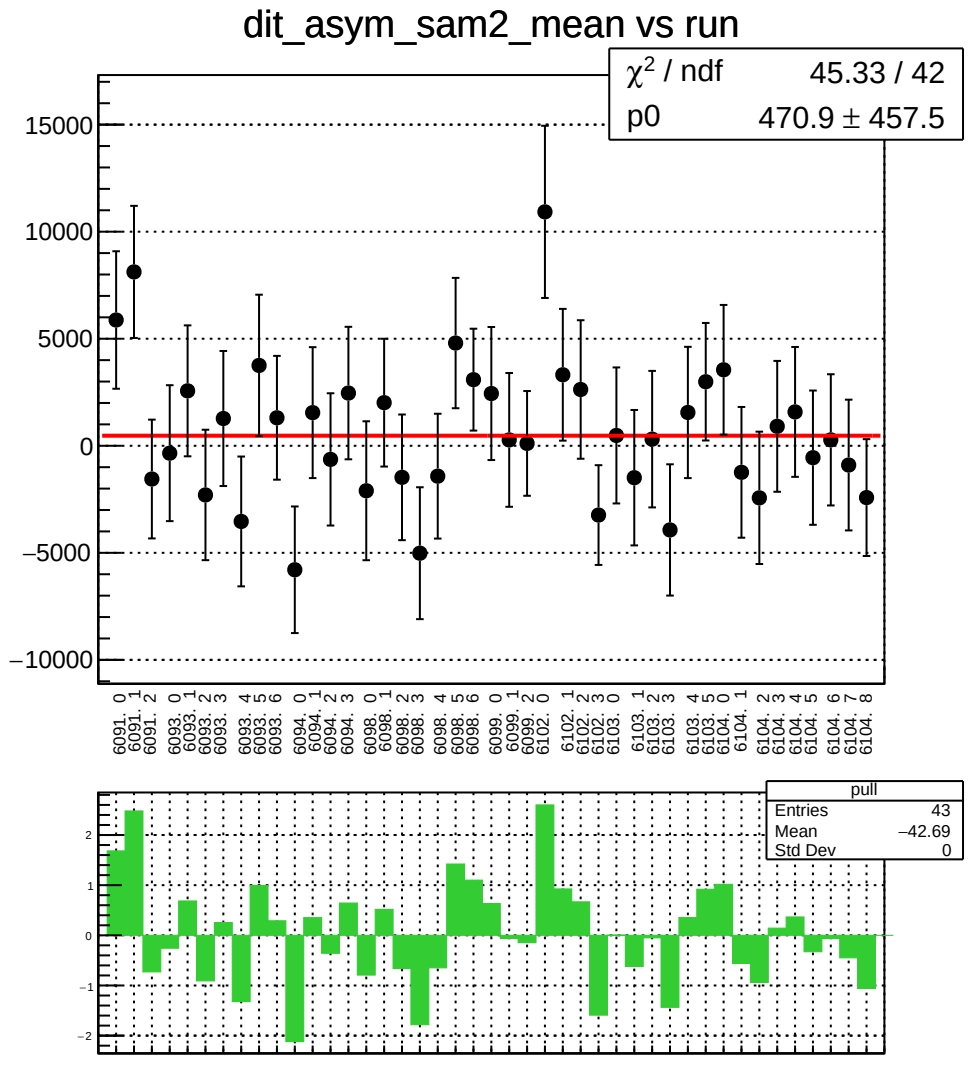

eigen_cor_asym_sam2_mean vs run
χ² / ndf 42.41 / 42
p0 401 ± 427.1
12000
10000
8000
6000
4000
2000
0
−2000
−4000
−6000
−8000
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean −57.67
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

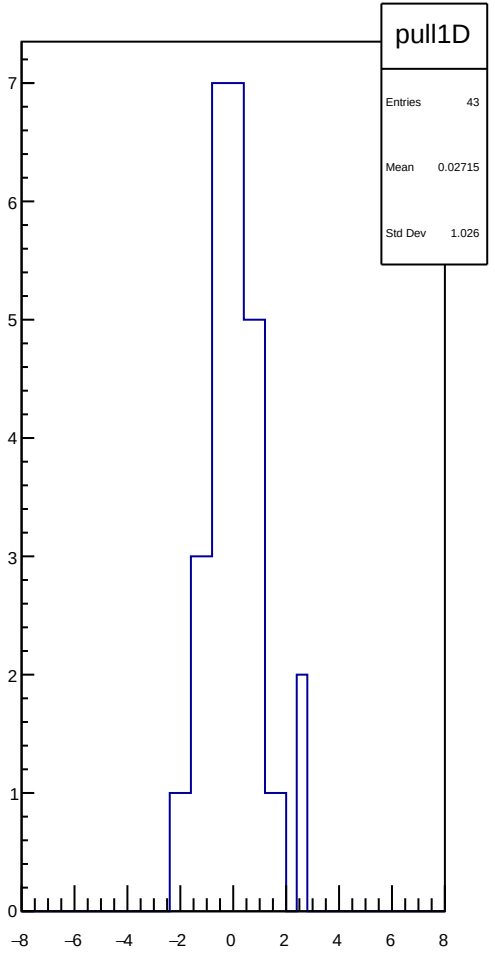

pull1D
Entries 43
Mean 0.02626
Std Dev 0.9928
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

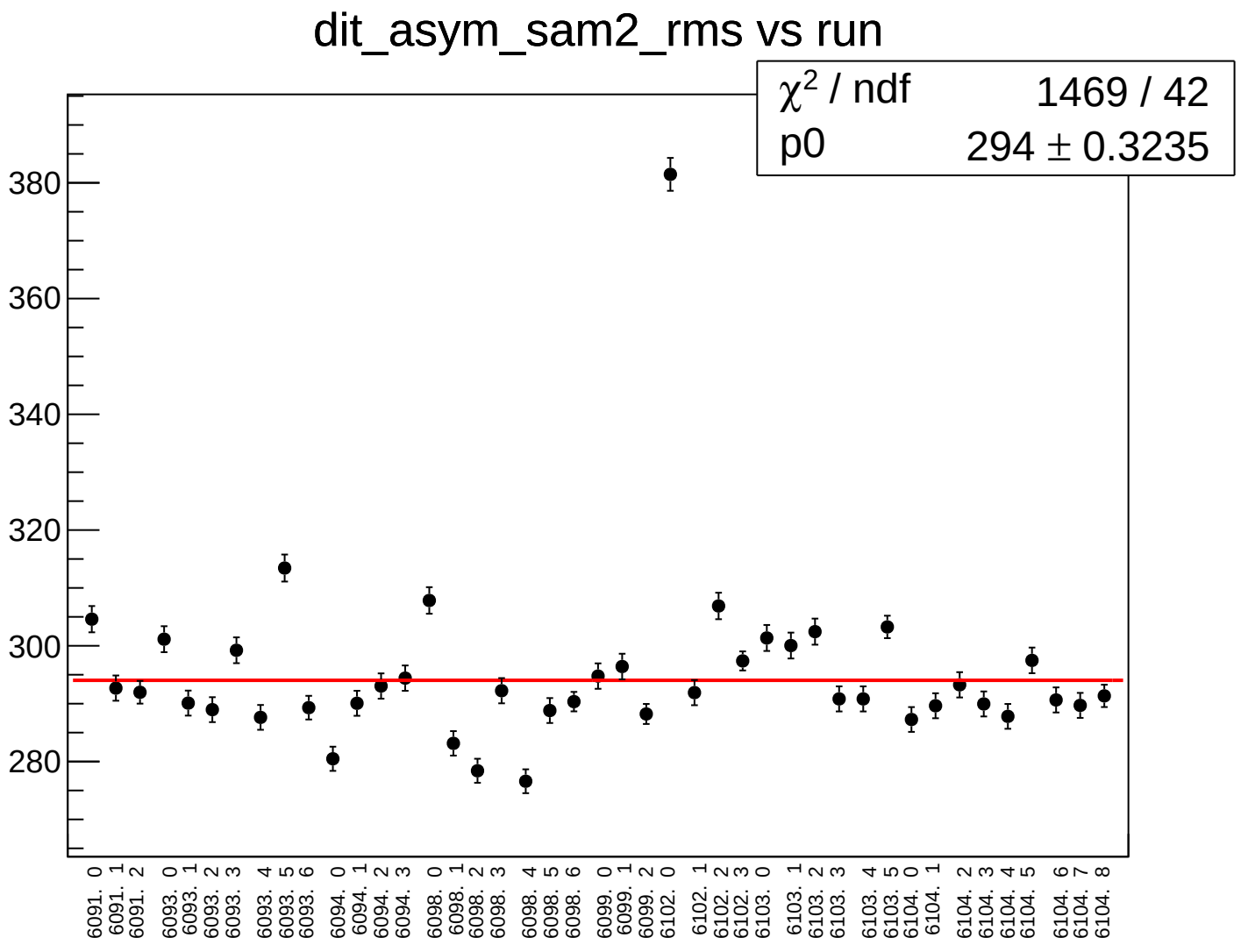

eigen_cor_asym_sam2_rms vs run
χ² / ndf 1570 / 42
p0 274.5 ± 0.302
360
340
320
300
280
260
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

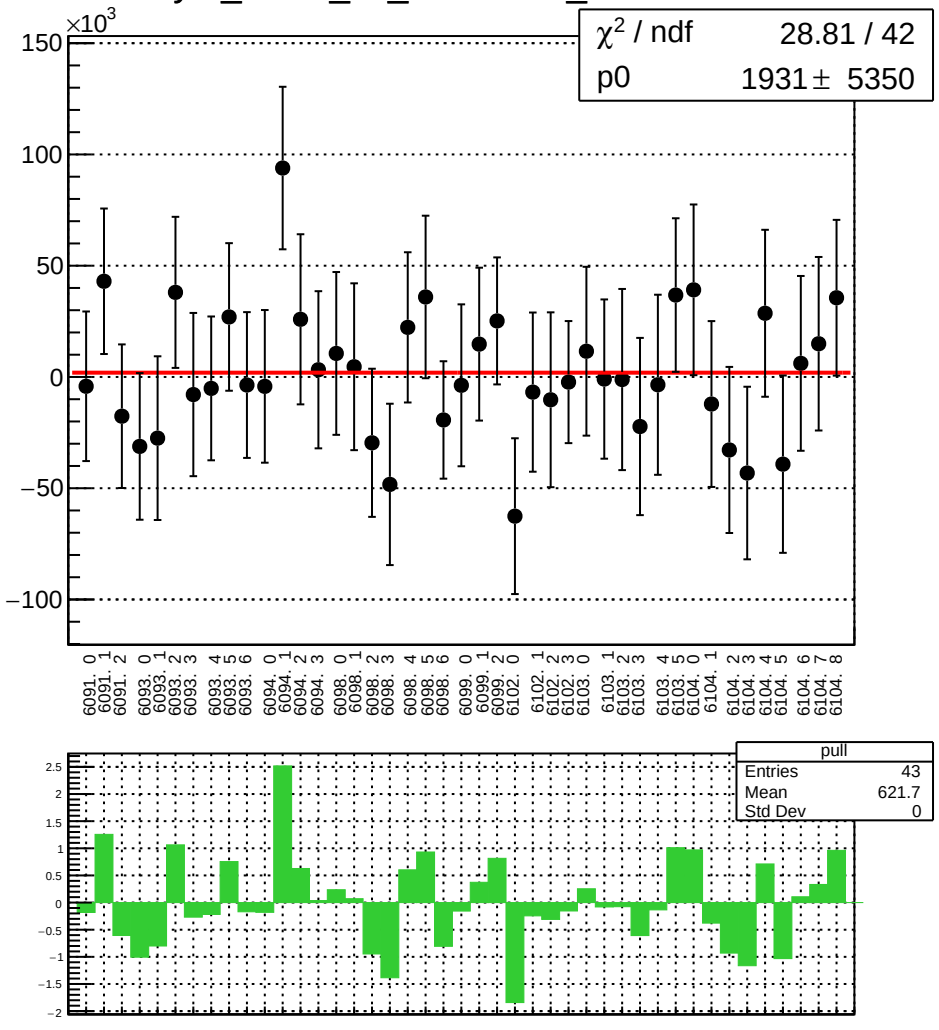

asym_sam2_eigen_cor_correction_mean vs run
×10^3
χ² / ndf 29.07 / 42
p0 1958 ± 5290
150
100
50
0
−50
−100
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 235.3
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 43
Mean −0.002719
Std Dev 0.8222
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

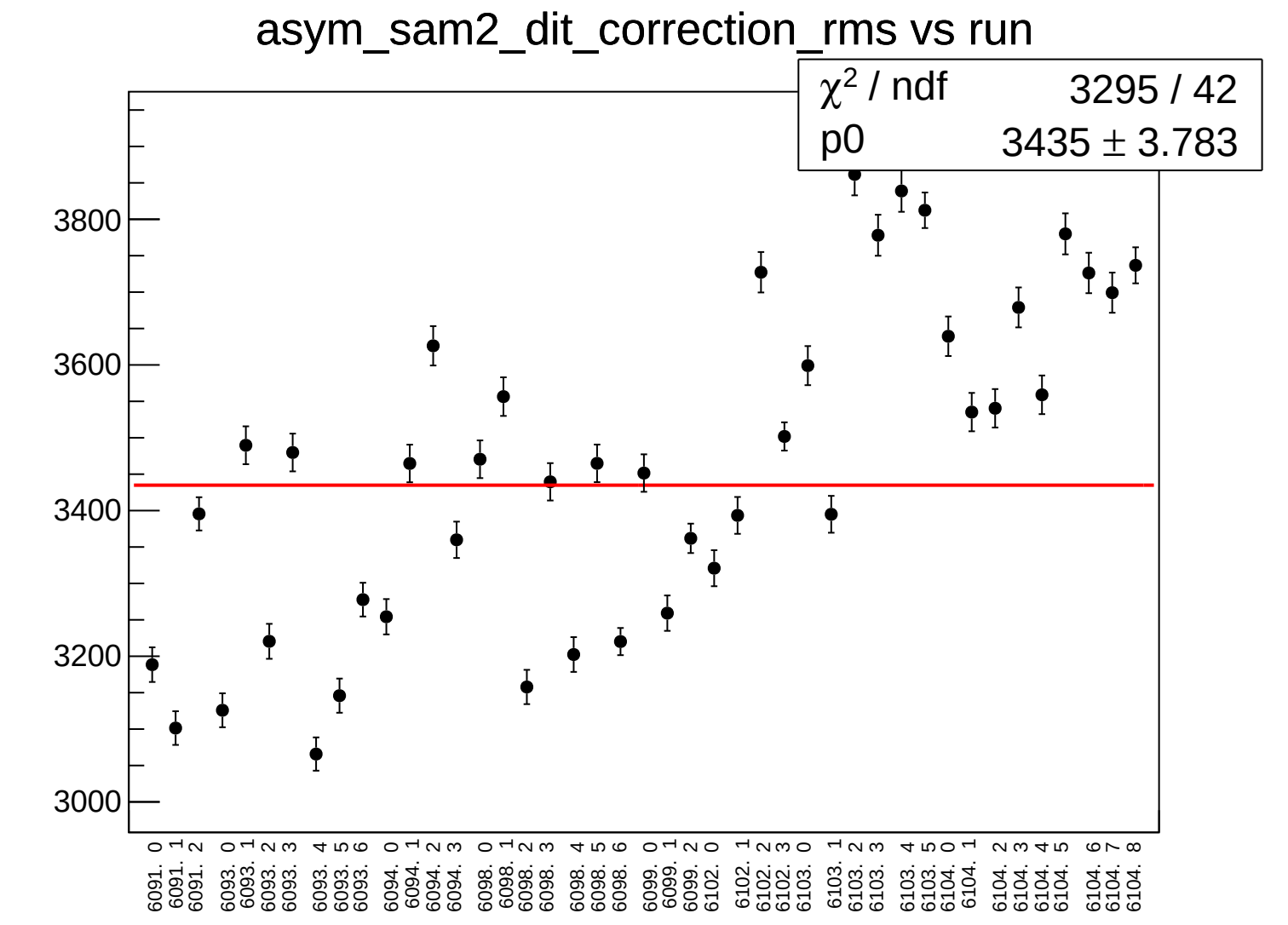

asym_sam2_eigen_cor_correction_rms vs run
χ² / ndf 2885 / 42
p0 3397 ± 3.741
3900
3800
3700
3600
3500
3400
3300
3200
3100
3000
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

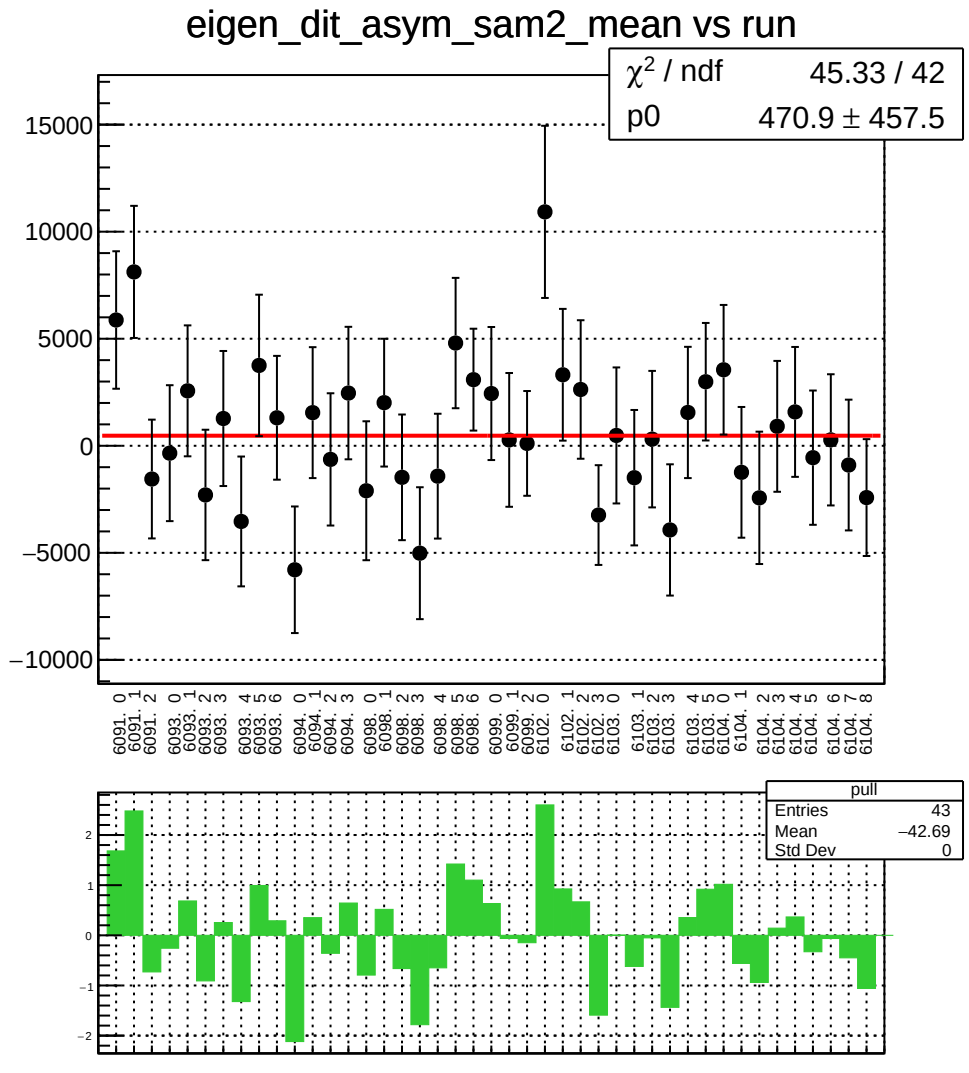

dit_asym_sam2_mean vs run
χ² / ndf 45.33 / 42
p0 470.9 ± 457.5
15000
10000
5000
0
−5000
−10000
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean −42.69
Std Dev 0
2
1
0
−1
−2

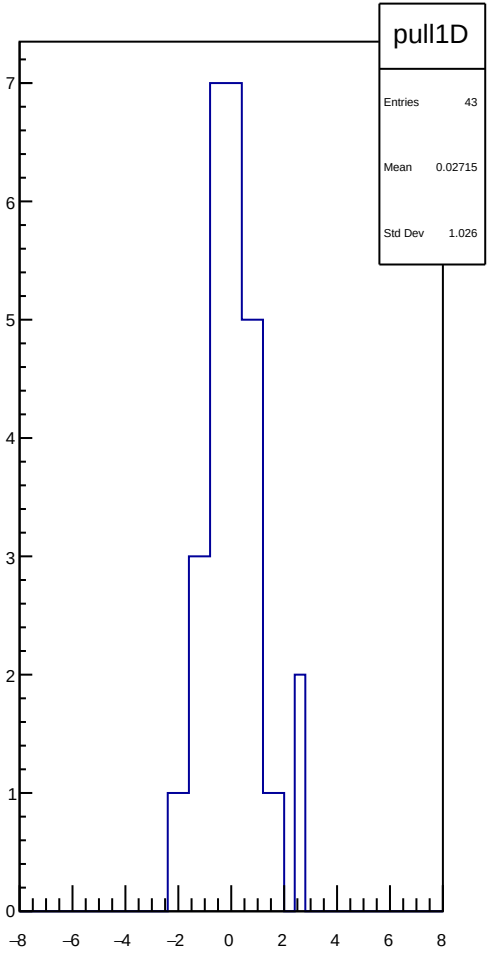

pull1D
Entries 43
Mean 0.02715
Std Dev 1.026
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

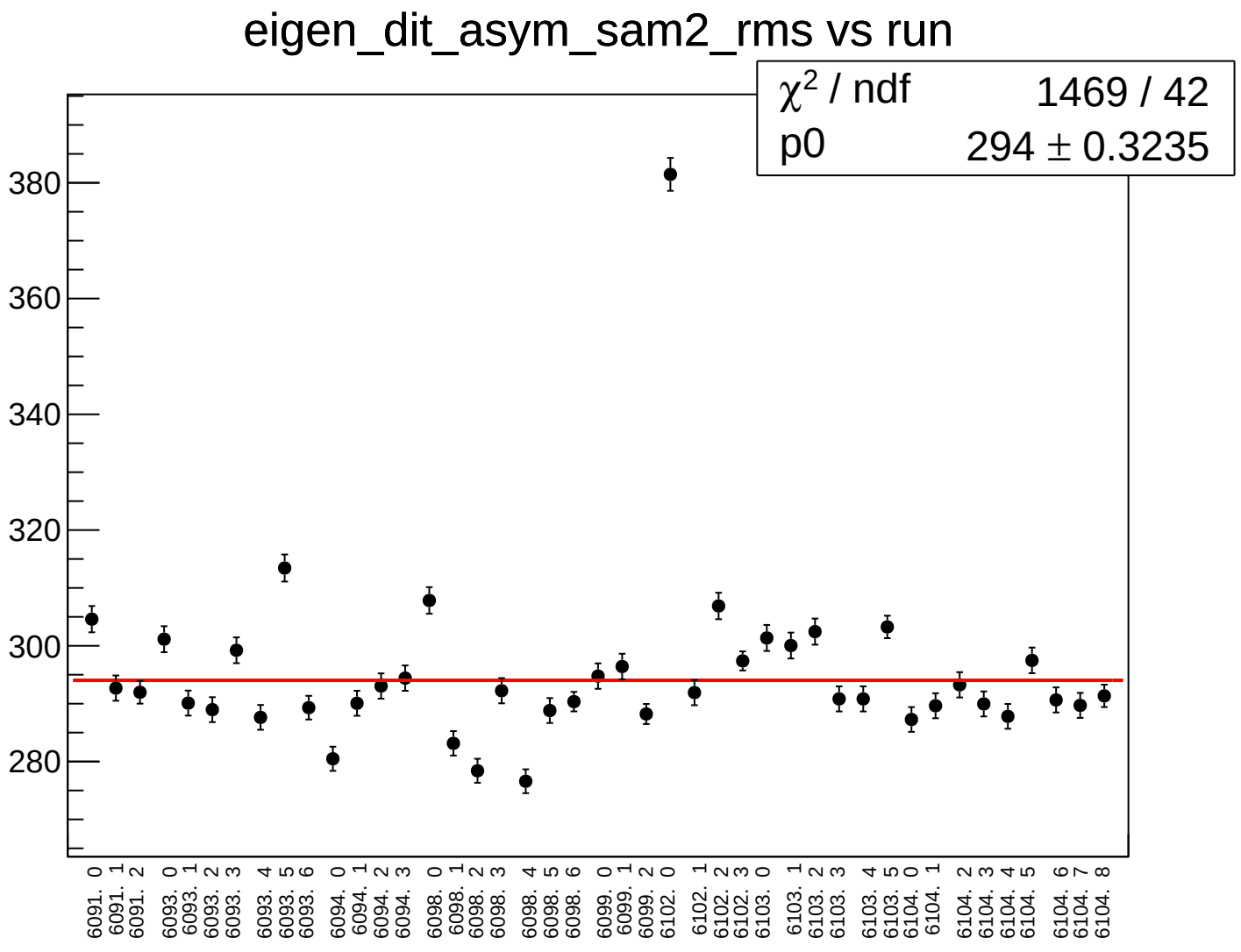

dit_asym_sam2_rms vs run
χ² / ndf 1469 / 42
p0 294 ± 0.3235
380
360
340
320
300
280
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

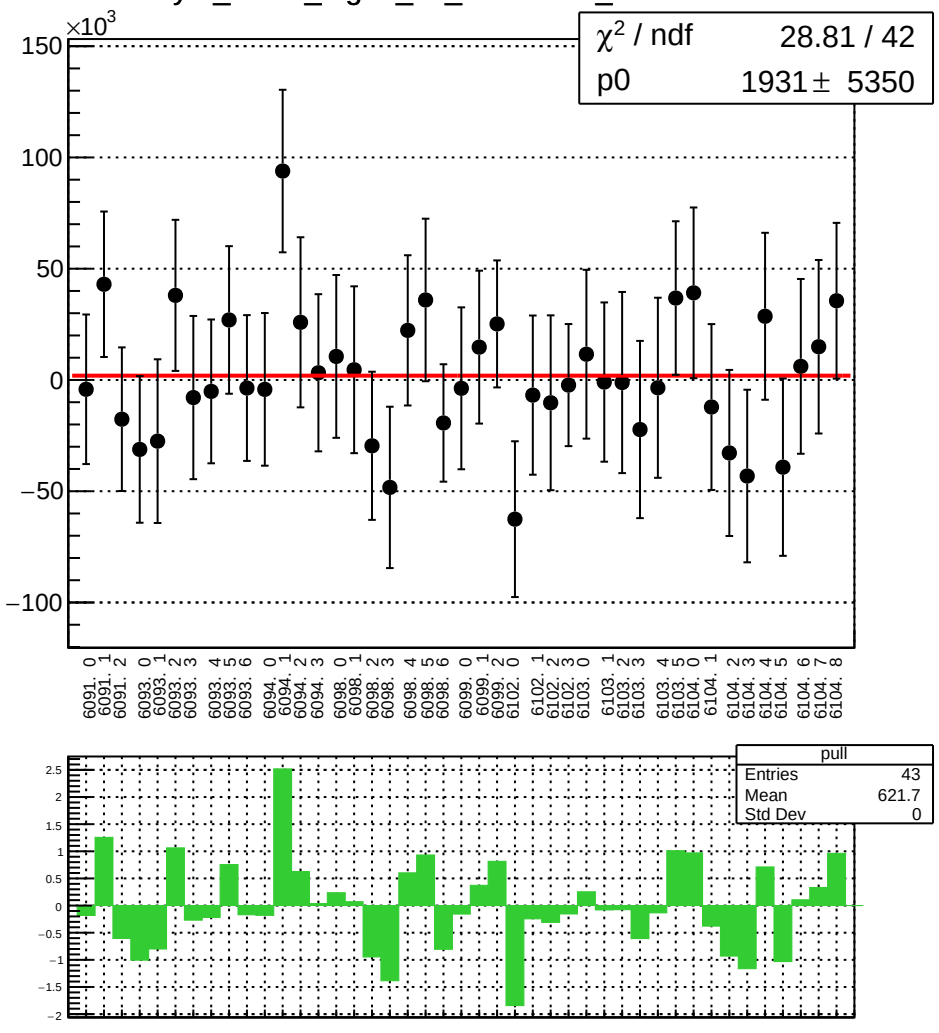

asym_sam2_dit_correction_mean vs run
×10^3
χ² / ndf 28.81 / 42
p0 1931 ± 5350
150
100
50
0
−50
−100
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 621.7
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 43
Mean −0.0009453
Std Dev 0.8186
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

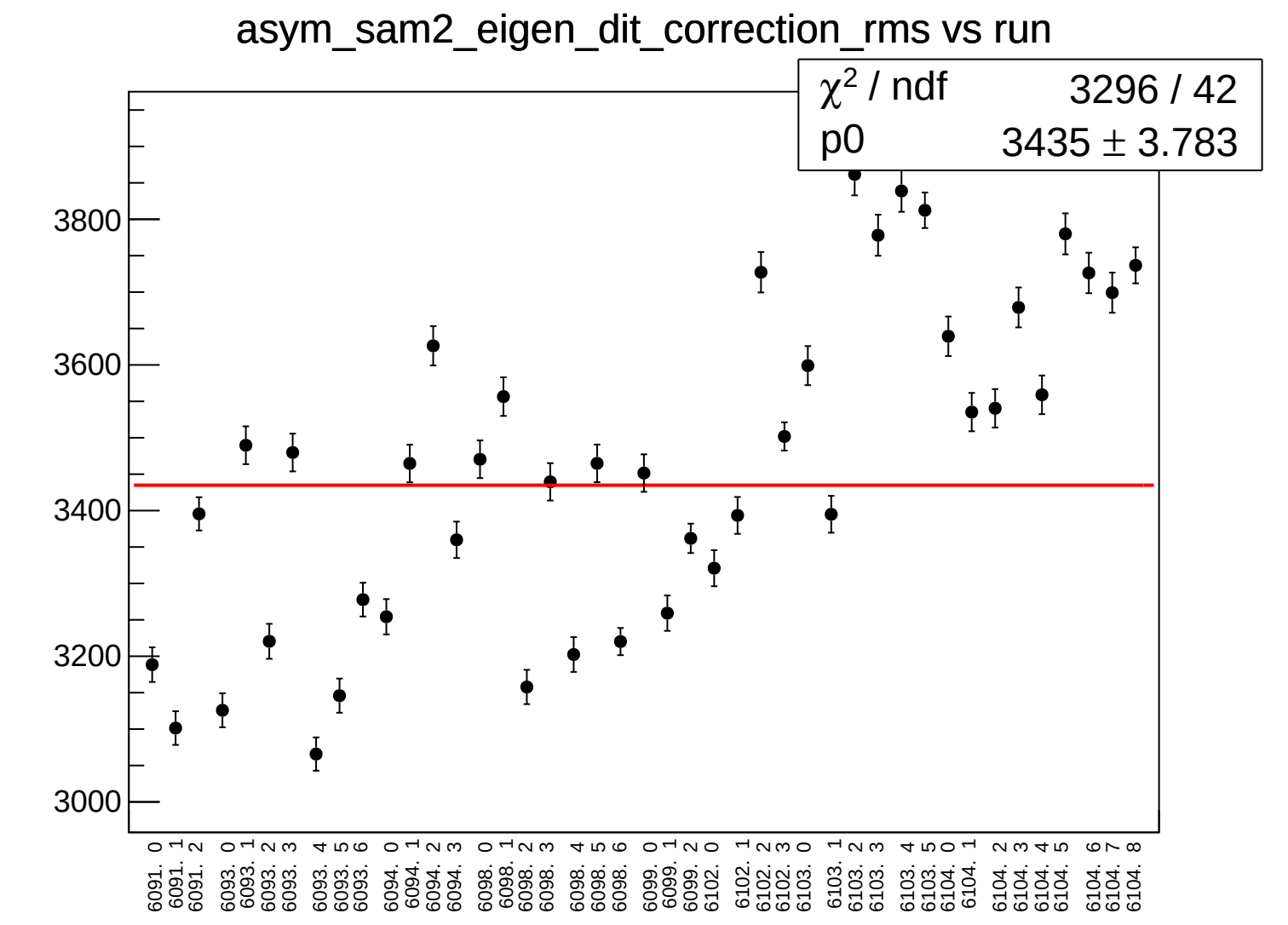

asym_sam2_dit_correction_rms vs run
χ² / ndf 3295 / 42
p0 3435 ± 3.783
3800
3600
3400
3200
3000
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

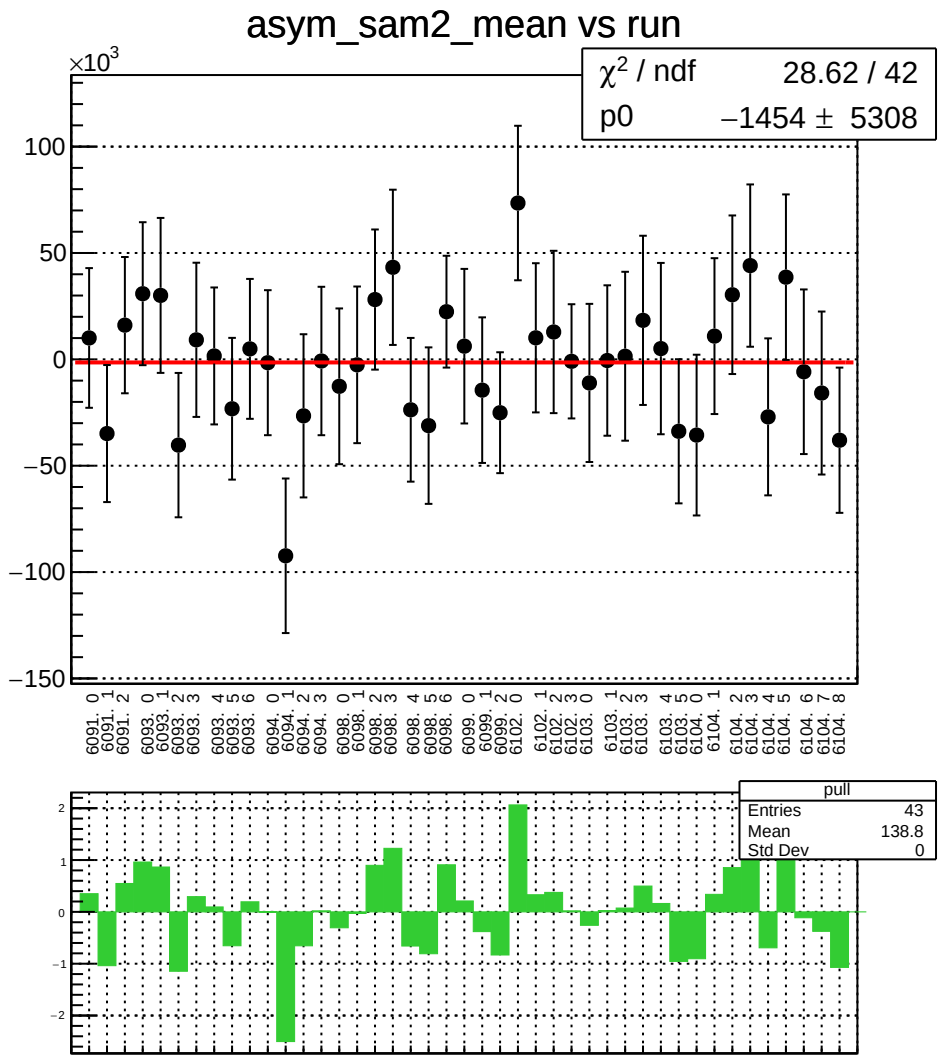

eigen_dit_asym_sam2_mean vs run
χ² / ndf 45.33 / 42
p0 470.9 ± 457.5
15000
10000
5000
0
−5000
−10000
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean −42.69
Std Dev 0
2
1
0
−1
−2

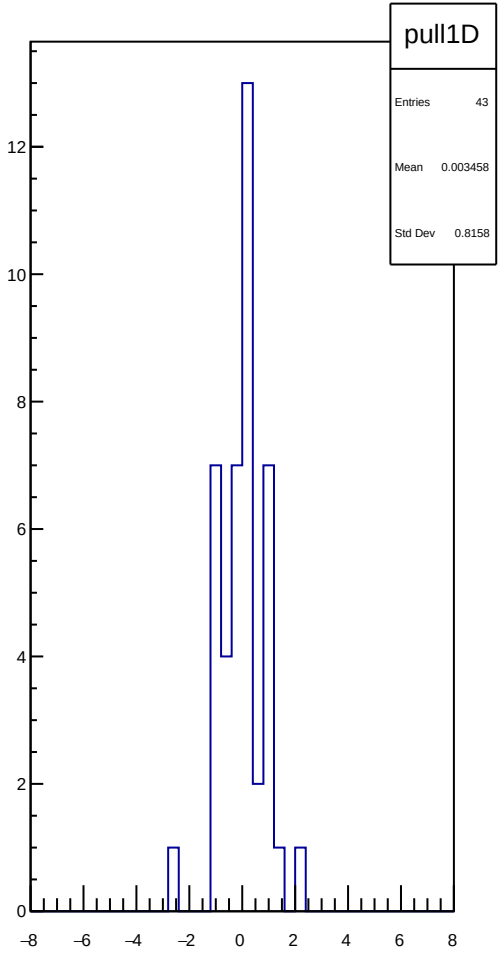

pull1D
Entries 43
Mean 0.02715
Std Dev 1.026
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

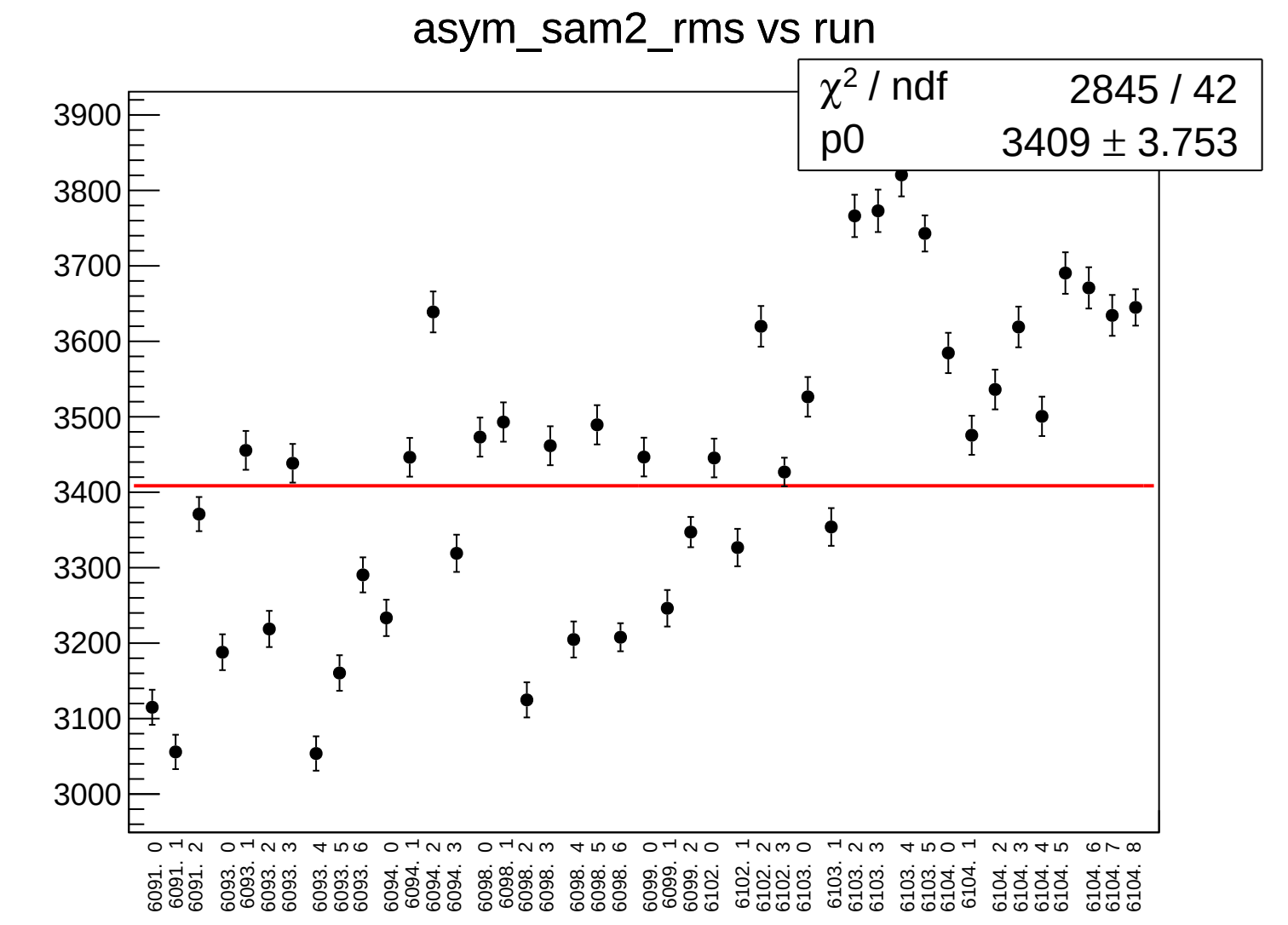

eigen_dit_asym_sam2_rms vs run
χ² / ndf 1469 / 42
p0 294 ± 0.3235
380
360
340
320
300
280
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

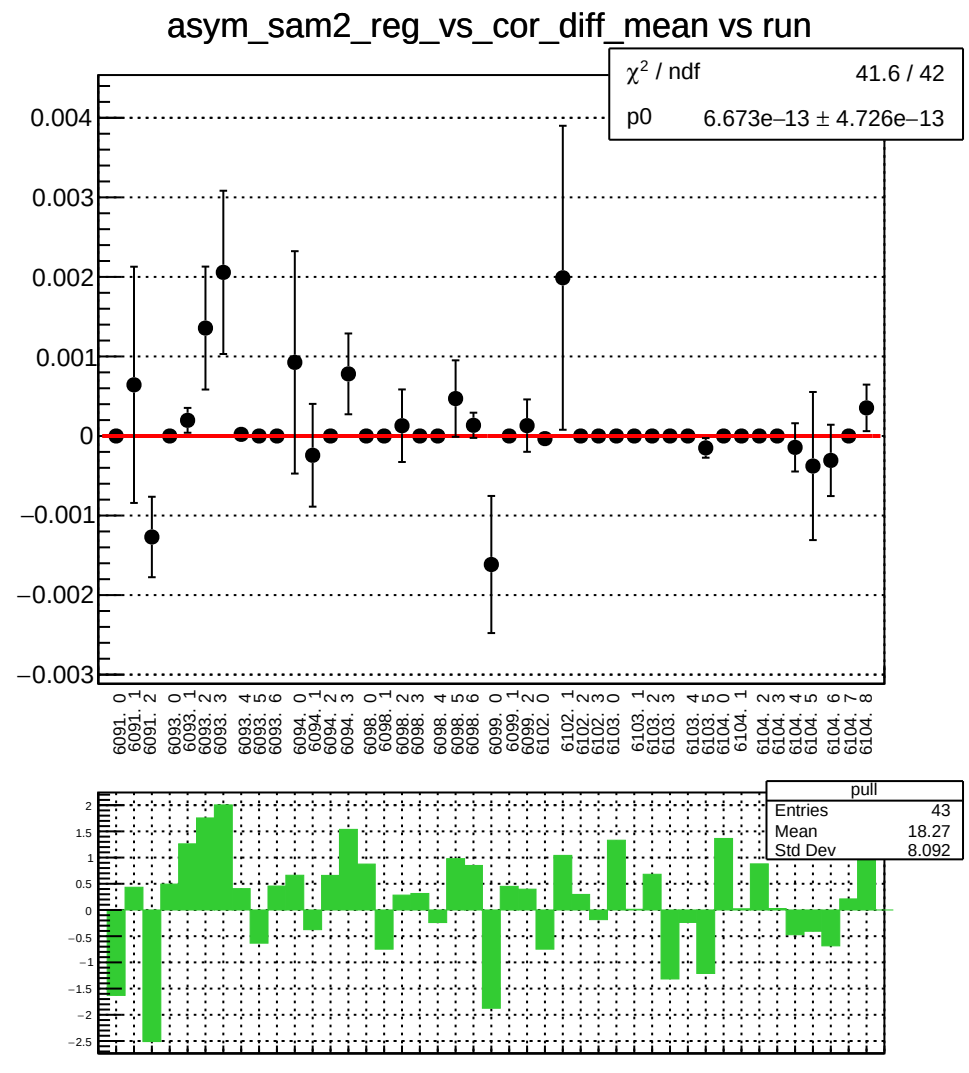

asym_sam2_eigen_dit_correction_mean vs run
×10^3
χ² / ndf 28.81 / 42
p0 1931 ± 5350
150
100
50
0
−50
−100
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 621.7
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 43
Mean −0.0009453
Std Dev 0.8186
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

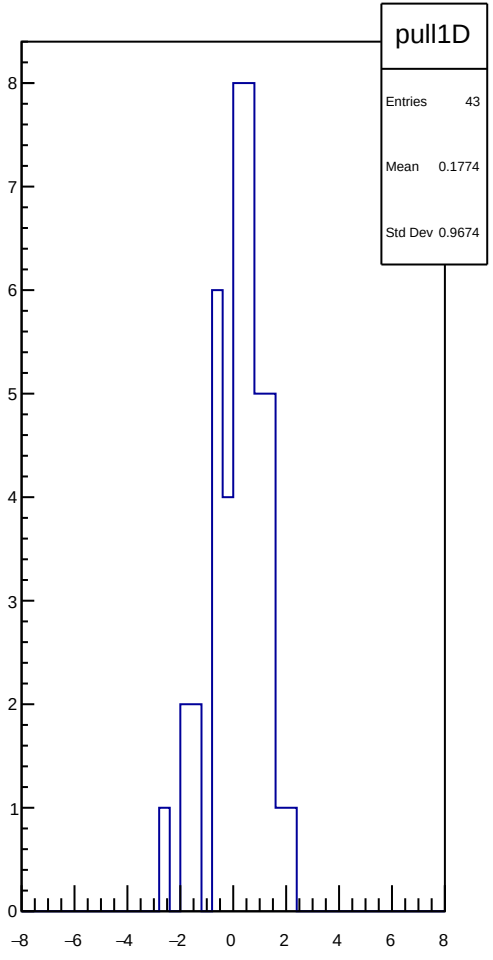

asym_sam2_eigen_dit_correction_rms vs run
χ² / ndf 3296 / 42
p0 3435 ± 3.783
3800
3600
3400
3200
3000
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

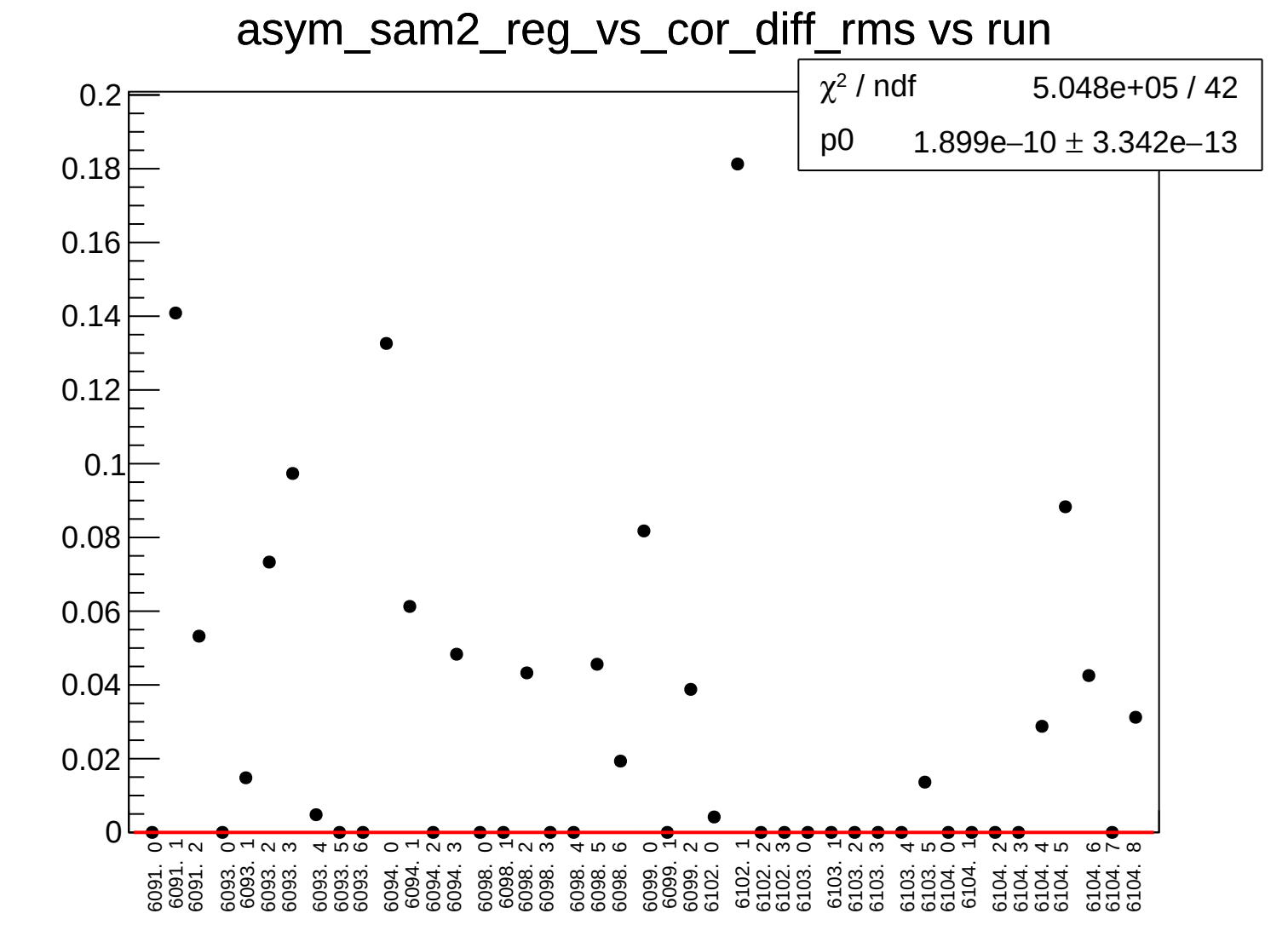

asym_sam2_mean vs run
×10^3
χ² / ndf 28.62 / 42
p0 −1454 ± 5308
100
50
0
−50
−100
−150
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 138.8
Std Dev 0
2
1
0
−1
−2


pull1D
Entries 43
Mean 0.003458
Std Dev 0.8158
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

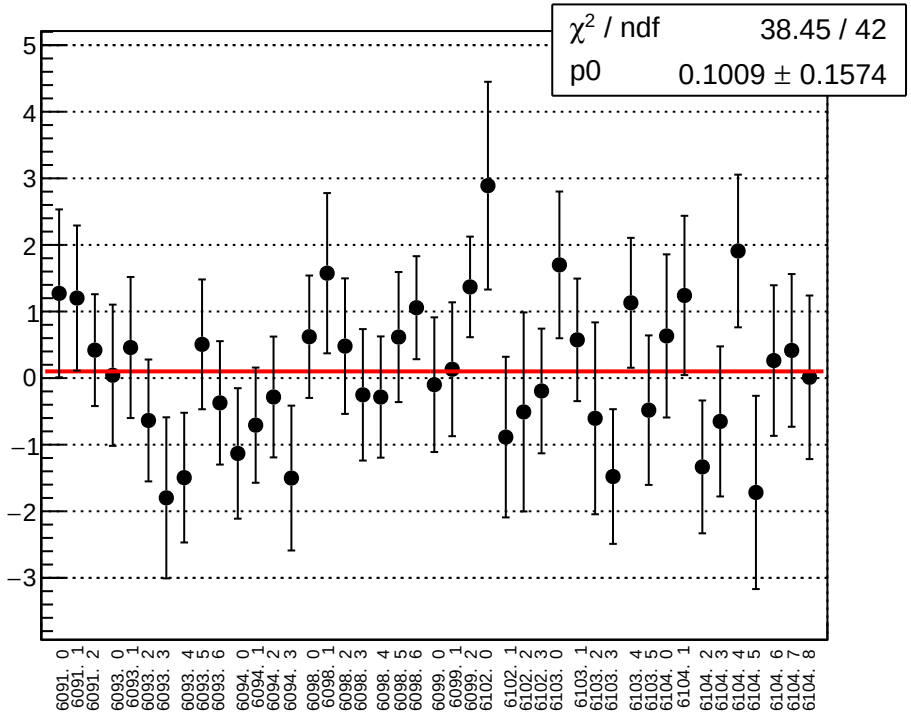

asym_sam2_rms vs run
χ² / ndf 2845 / 42
p0 3409 ± 3.753
3900
3800
3700
3600
3500
3400
3300
3200
3100
3000
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

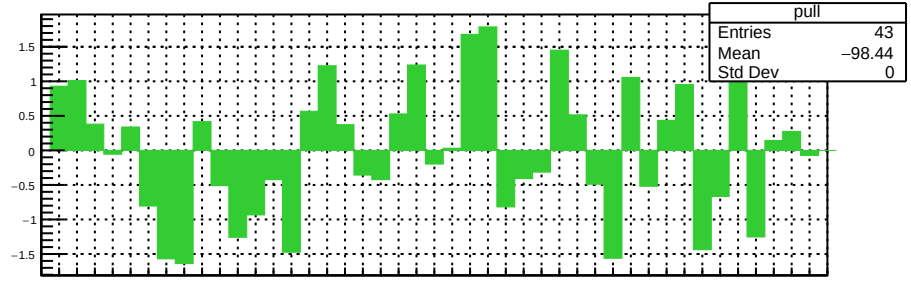

asym_sam2_reg_vs_cor_diff_mean vs run
χ² / ndf 41.6 / 42
p0 6.673e−13 ± 4.726e−13
0.004
0.003
0.002
0.001
0
−0.001
−0.002
−0.003
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 18.27
Std Dev 8.092
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

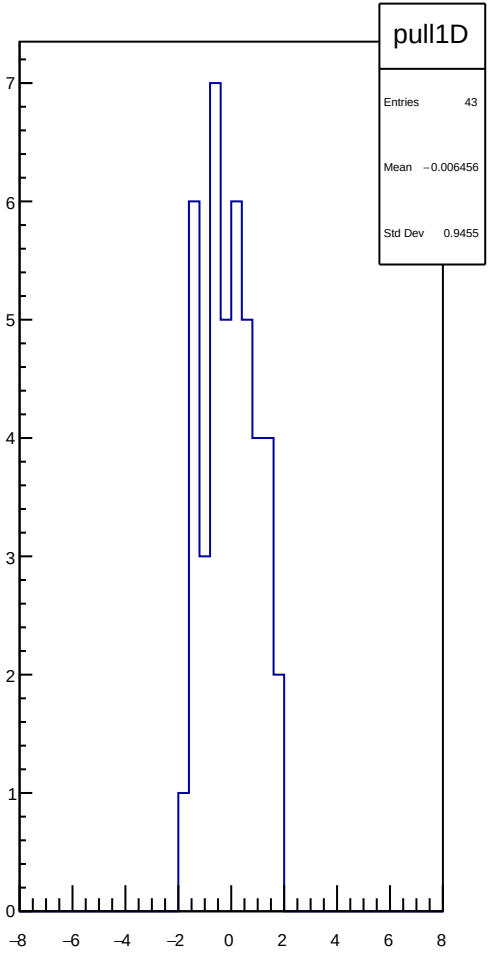

pull1D
Entries 43
Mean 0.1774
Std Dev 0.9674
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

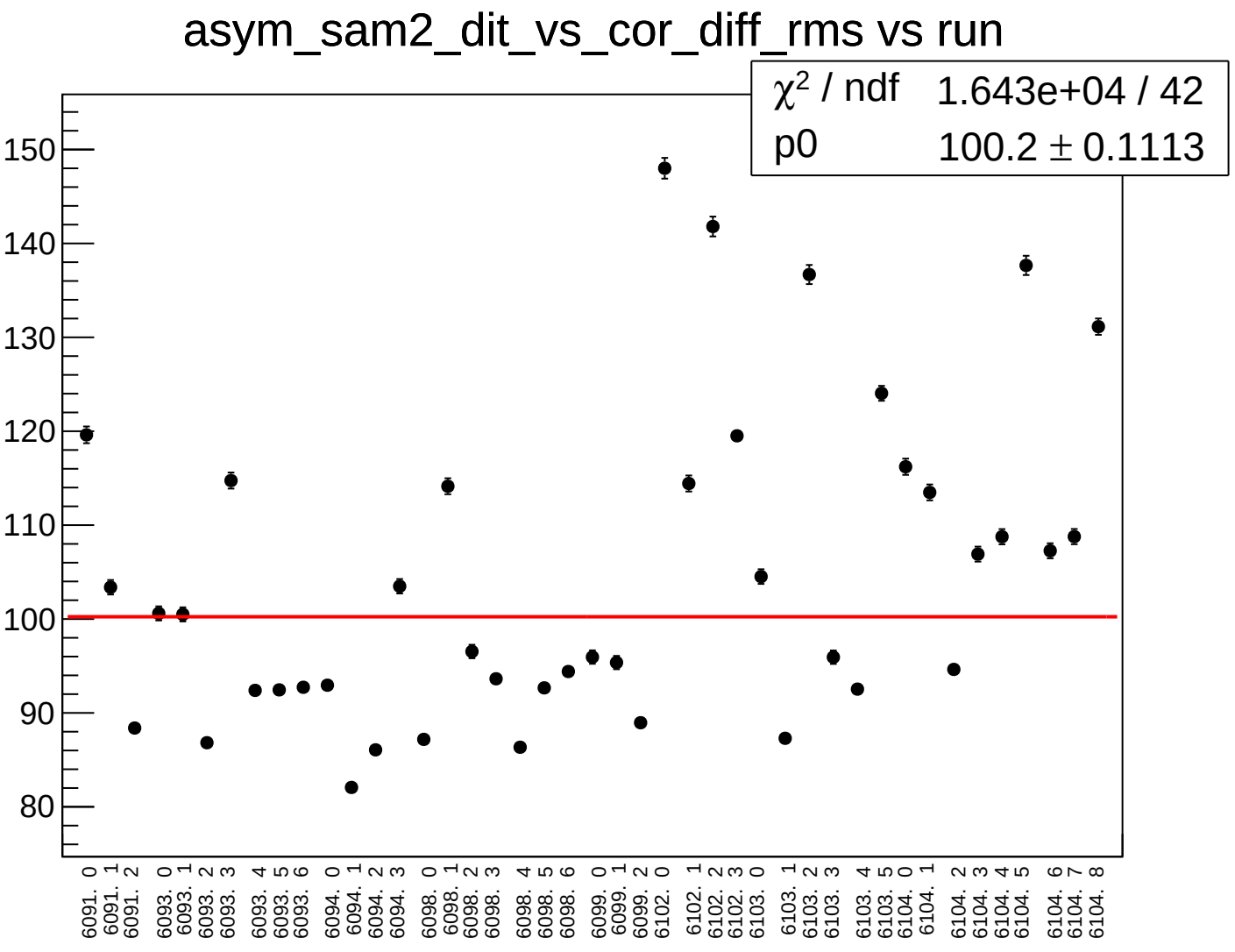

asym_sam2_reg_vs_cor_diff_rms vs run
χ² / ndf 5.048e+05 / 42
p0 1.899e−10 ± 3.342e−13
0.2
0.18
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02
0
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

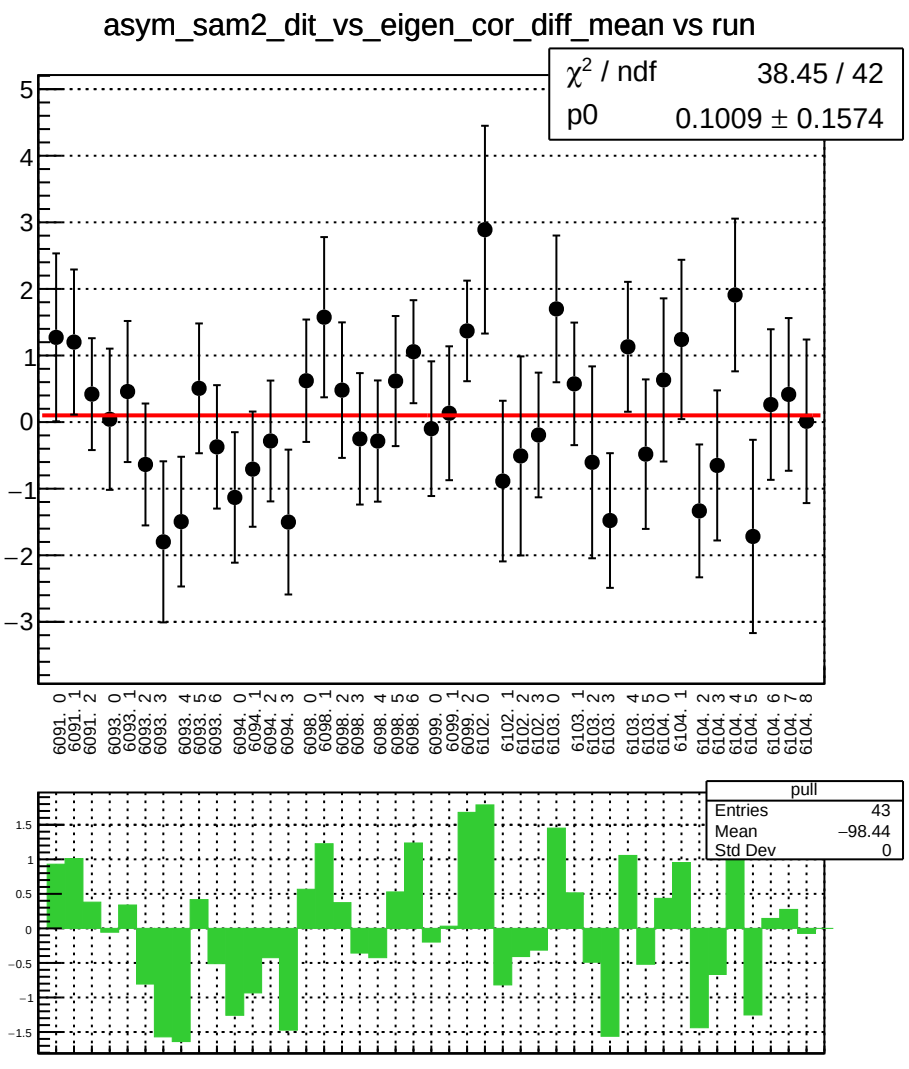
asym_sam2_dit_vs_cor_diff_mean vs run

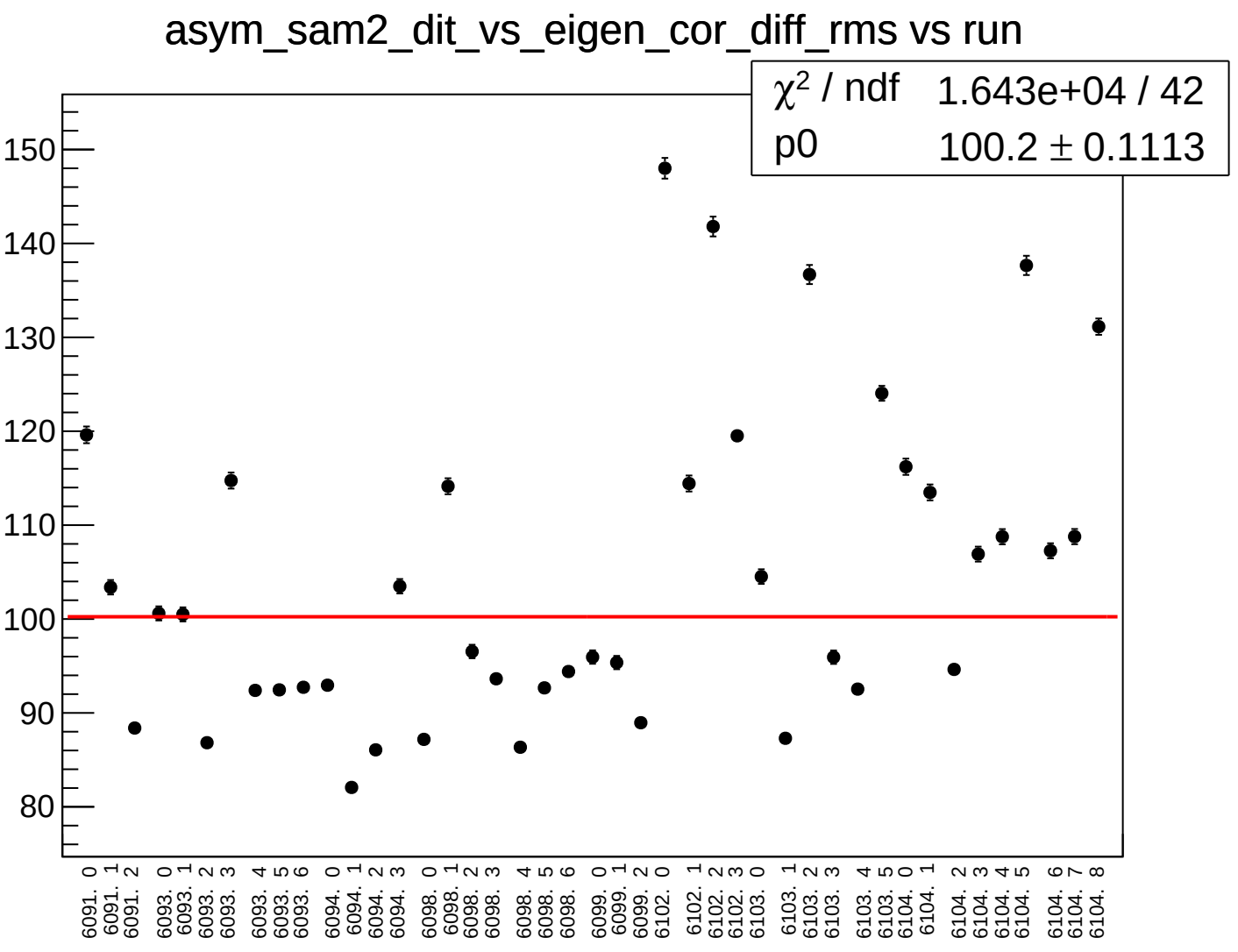


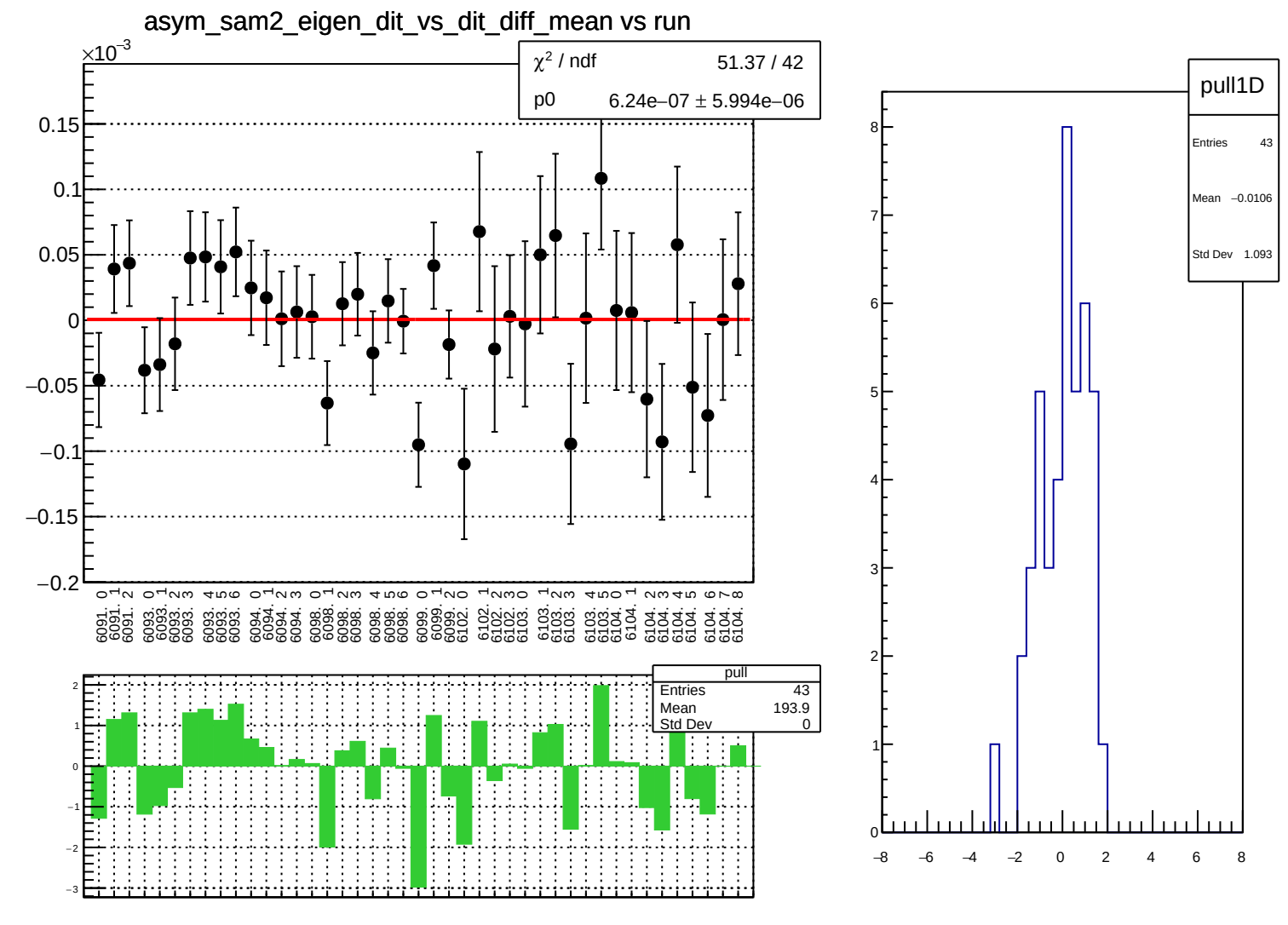


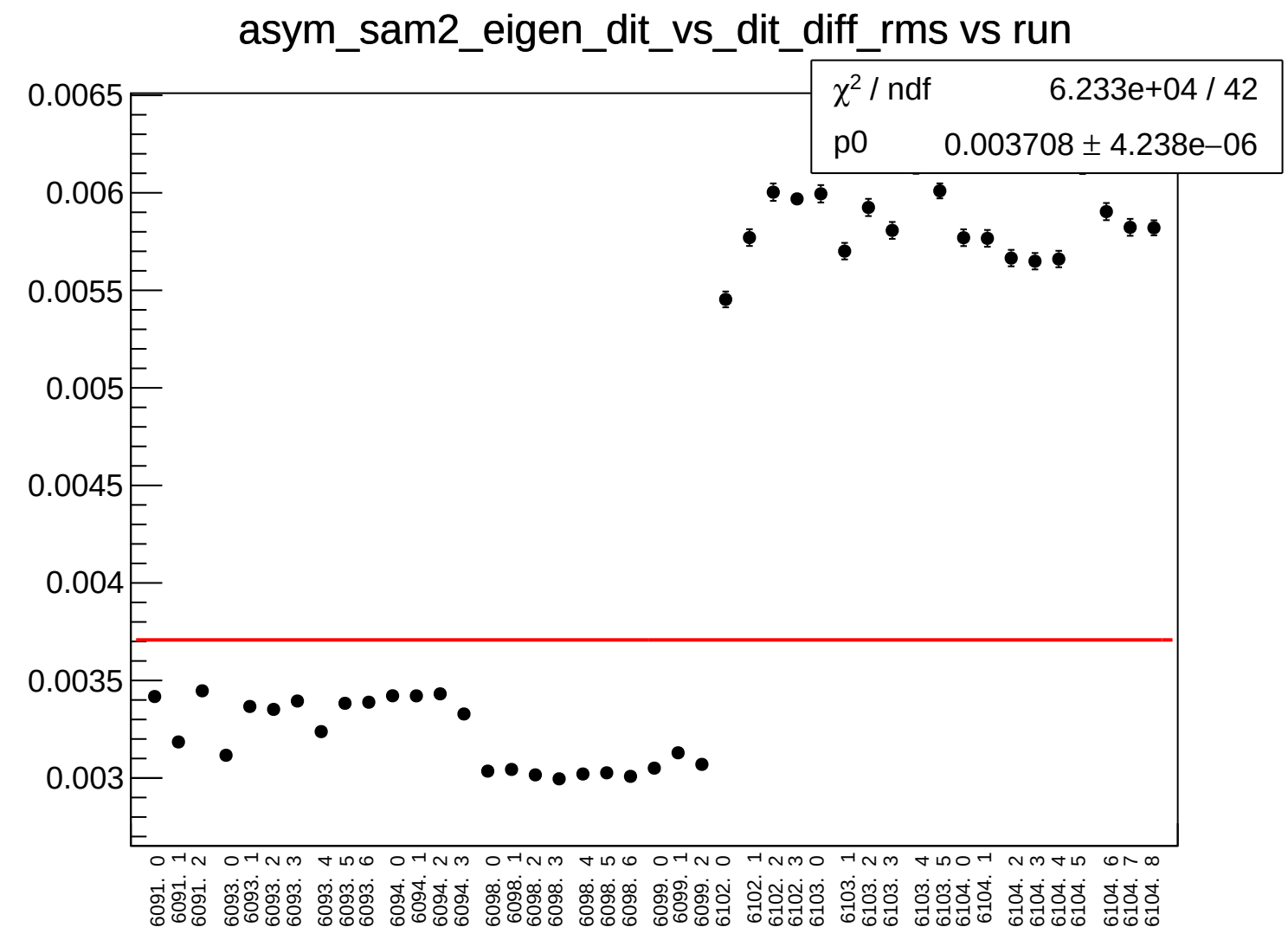



asym_sam2_dit_vs_cor_diff_rms vs run
χ² / ndf 1.643e+04 / 42
p0 100.2 ± 0.1113
150
140
130
120
110
100
90
80
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

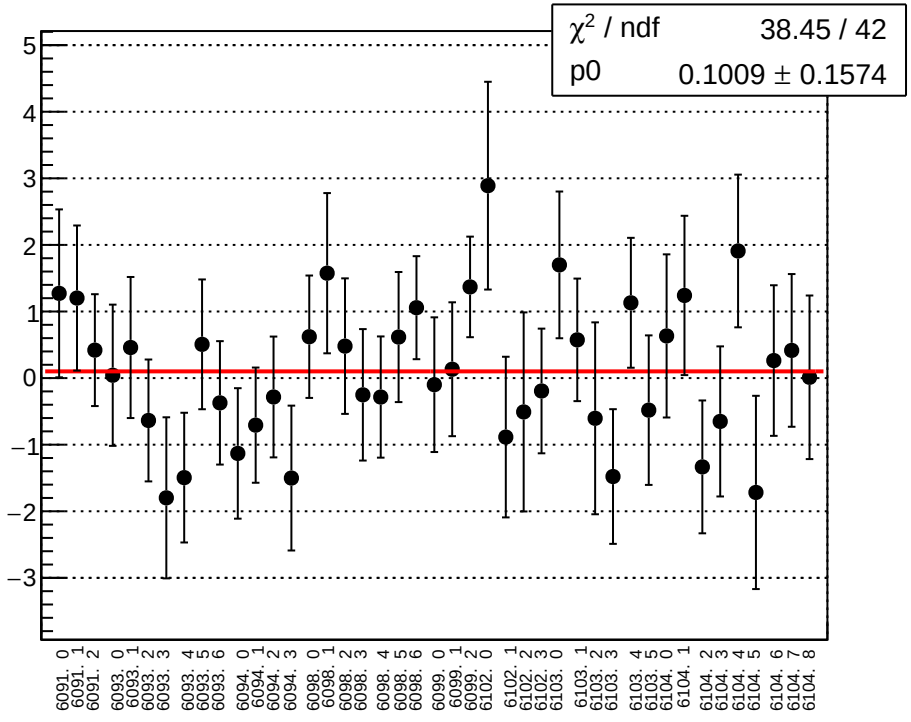

asym_sam2_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 38.45 / 42
p0 0.1009 ± 0.1574
pull
Entries 43
Mean −98.44
Std Dev 0
pull1D
Entries 43
Mean −0.006456
Std Dev 0.9455

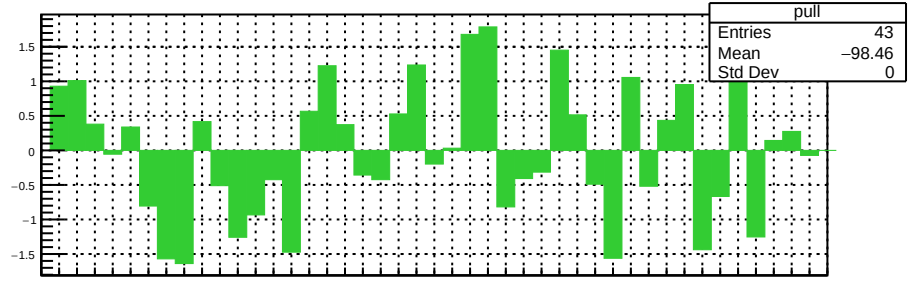

asym_sam2_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.643e+04 / 42
p0 100.2 ± 0.1113
150
140
130
120
110
100
90
80
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

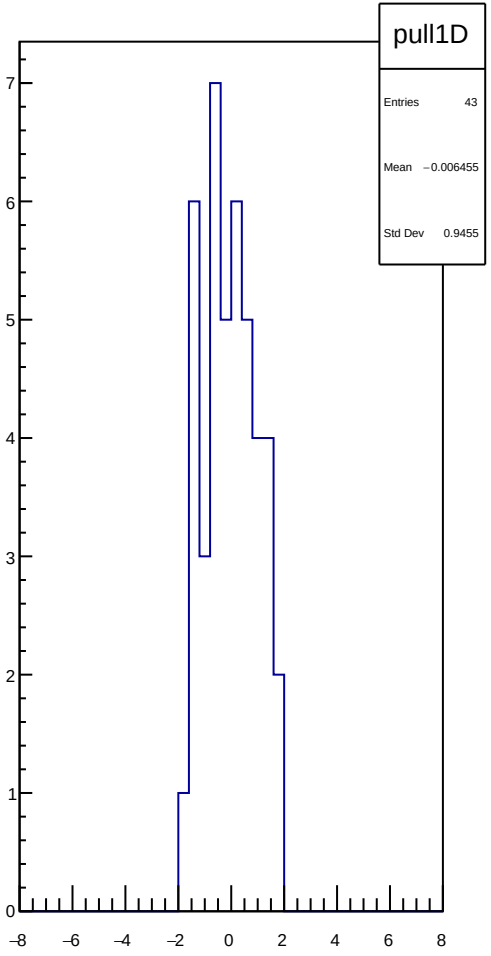

asym_sam2_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 51.37 / 42
p0 6.24e−07 ± 5.994e−06
0.15
0.1
0.05
0
−0.05
−0.1
−0.15
−0.2
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 193.9
Std Dev 0
2
1
0
−1
−2
−3
pull1D
Entries 43
Mean −0.0106
Std Dev 1.093
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

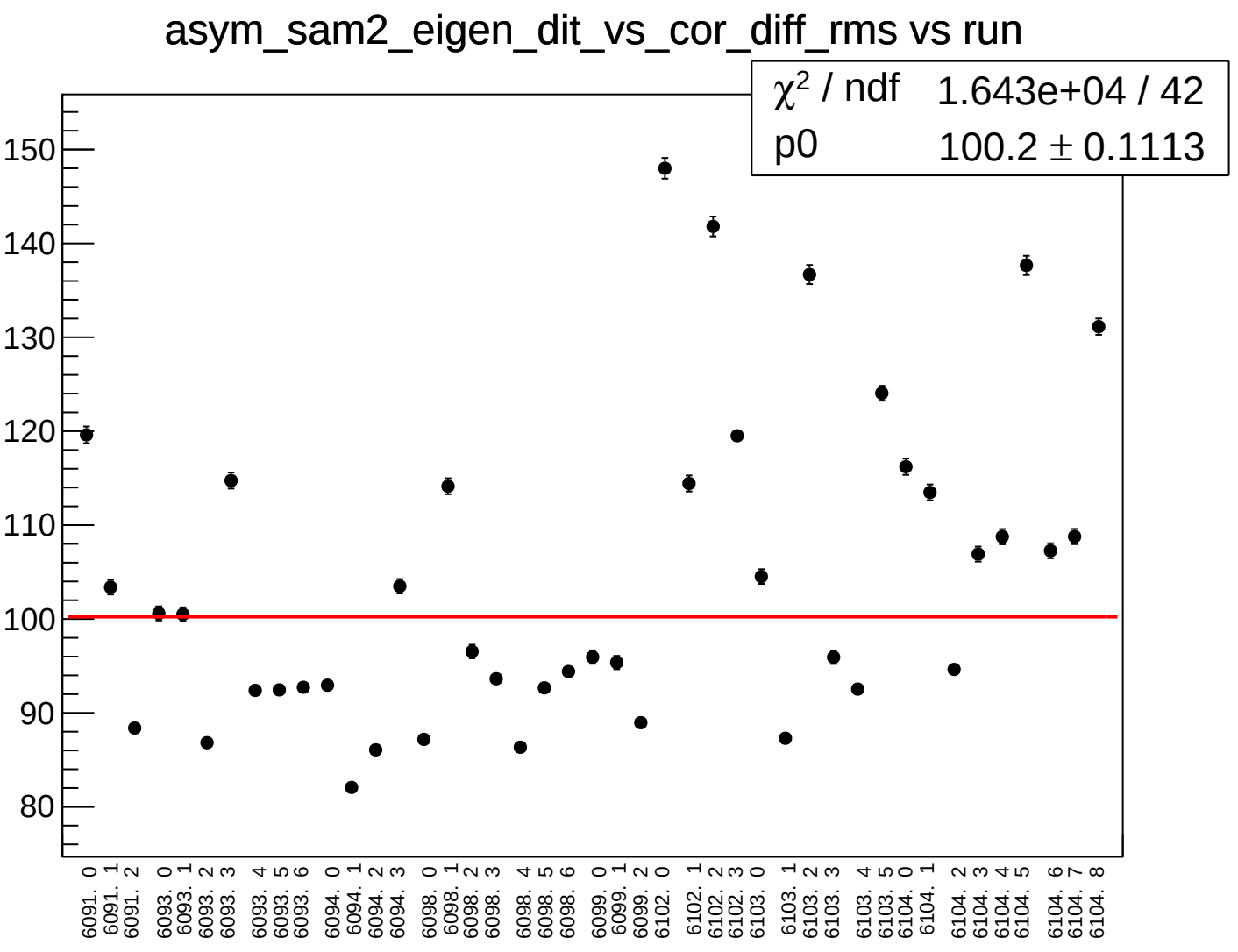

asym_sam2_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 6.233e+04 / 42
p0 0.003708 ± 4.238e−06
0.0065
0.006
0.0055
0.005
0.0045
0.004
0.0035
0.003
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

asym_sam2_eigen_dit_vs_cor_diff_mean vs run

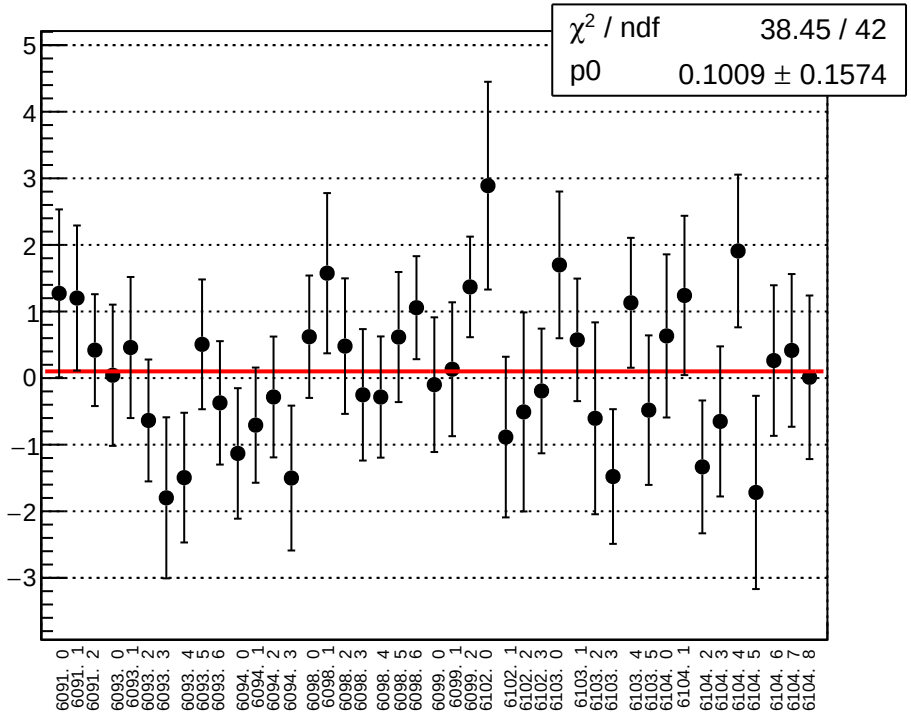


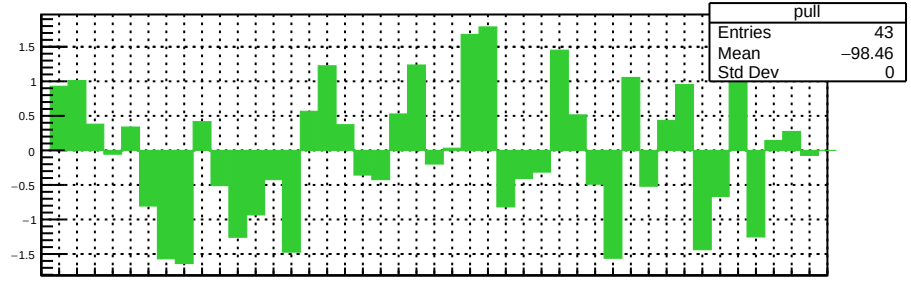


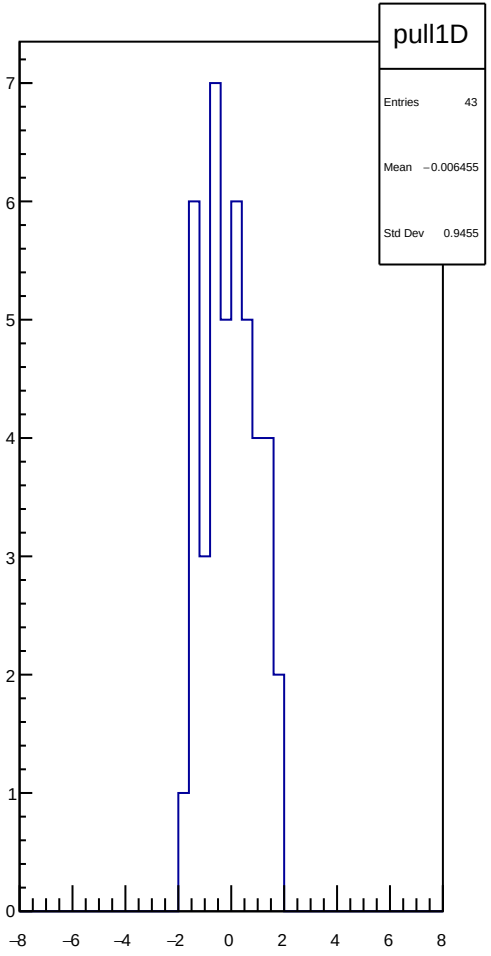


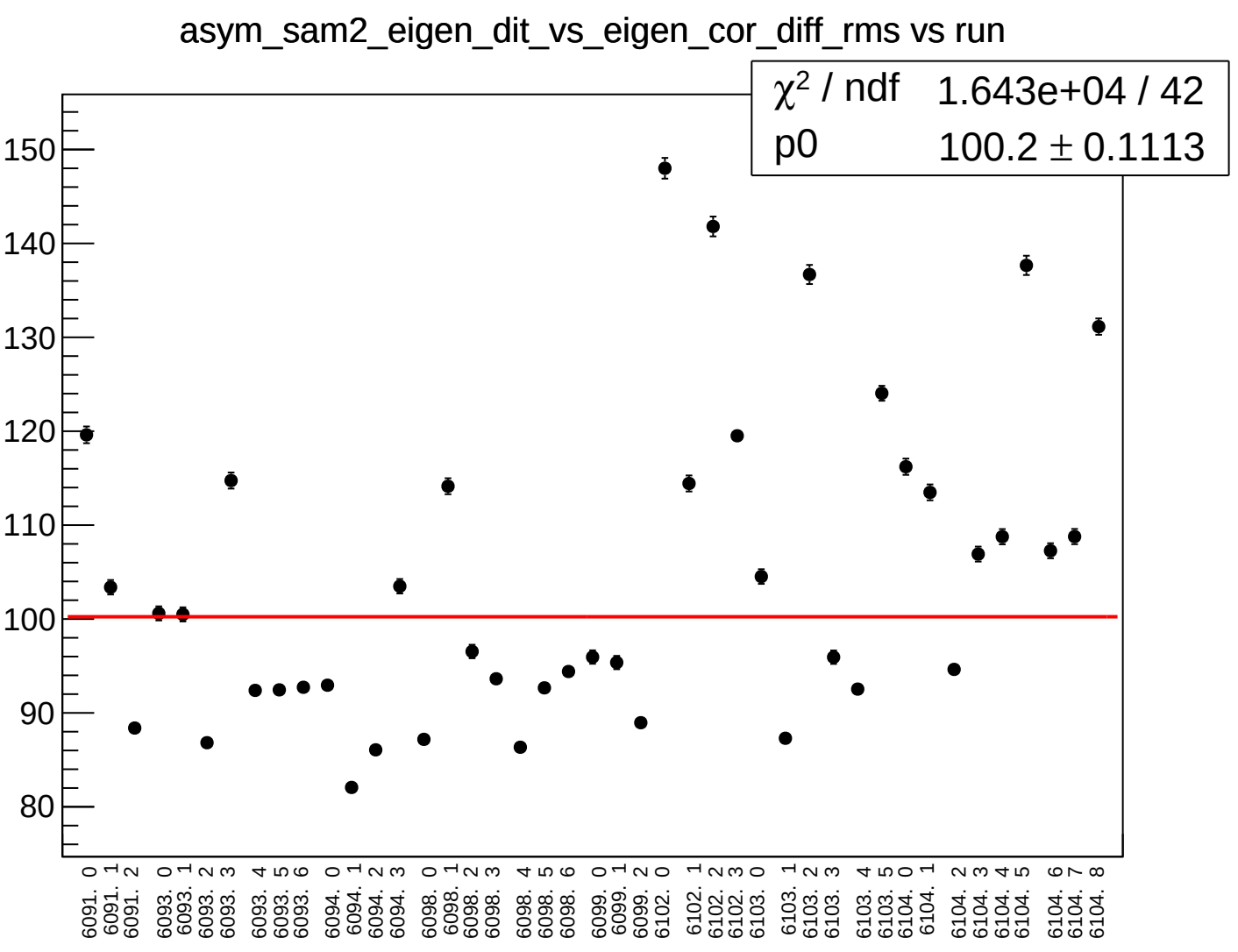

asym_sam2_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 1.643e+04 / 42
p0 100.2 ± 0.1113
150
140
130
120
110
100
90
80
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

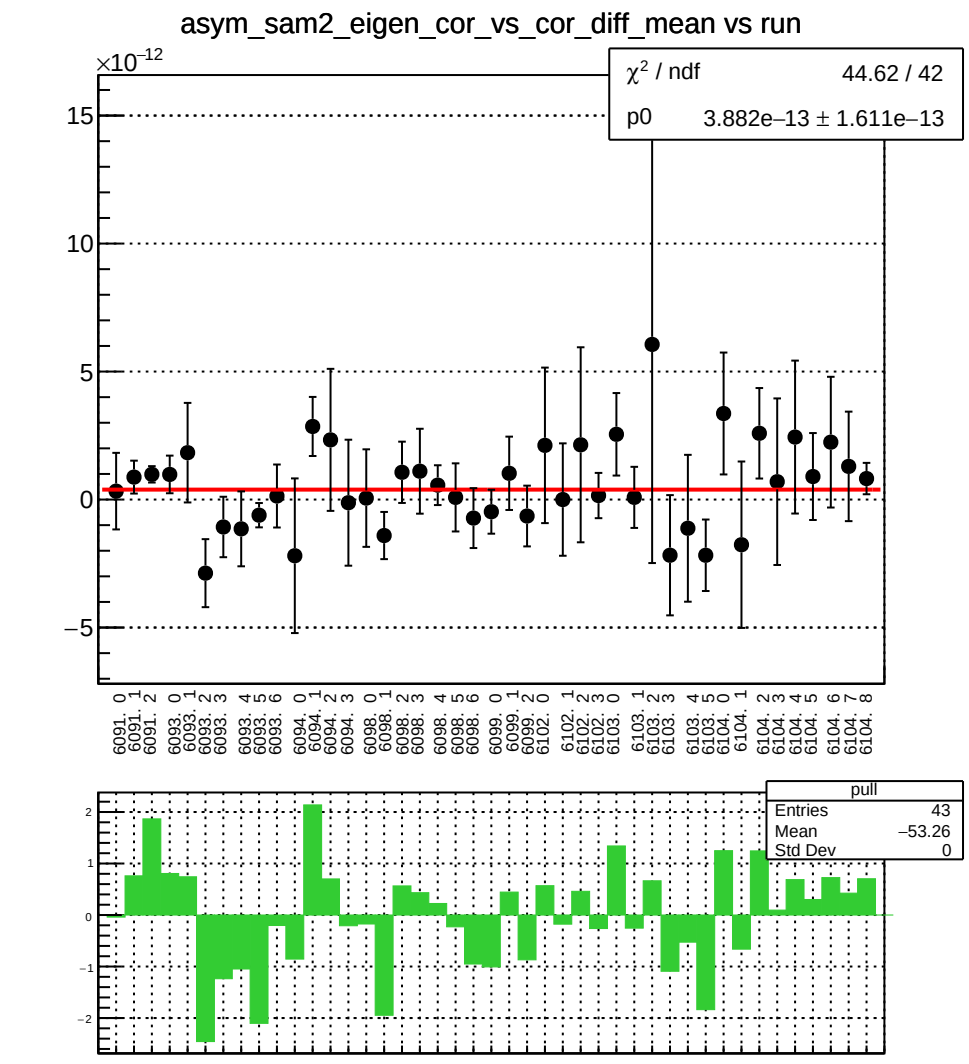
asym_sam2_eigen_dit_vs_eigen_cor_diff_mean vs run

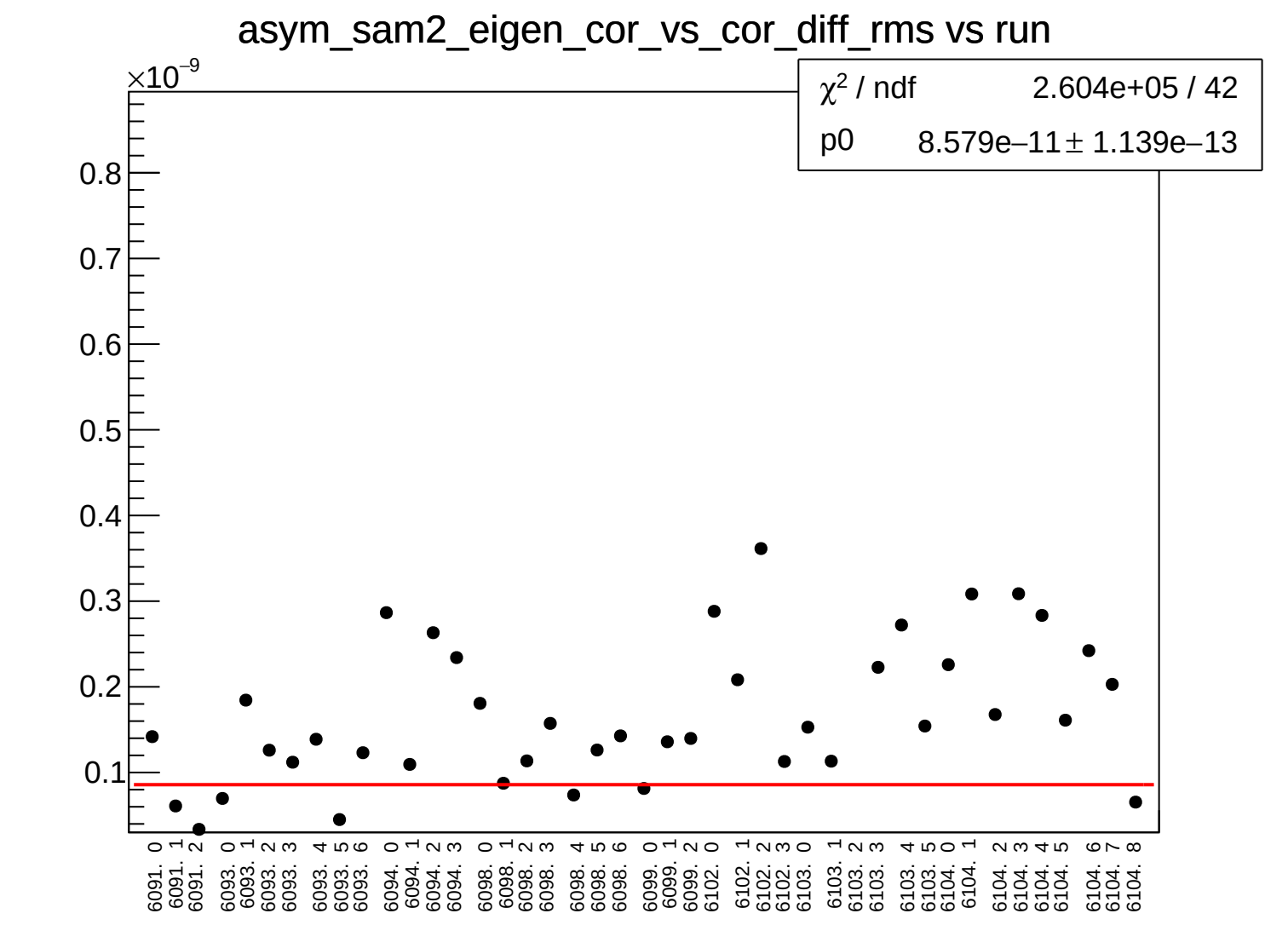


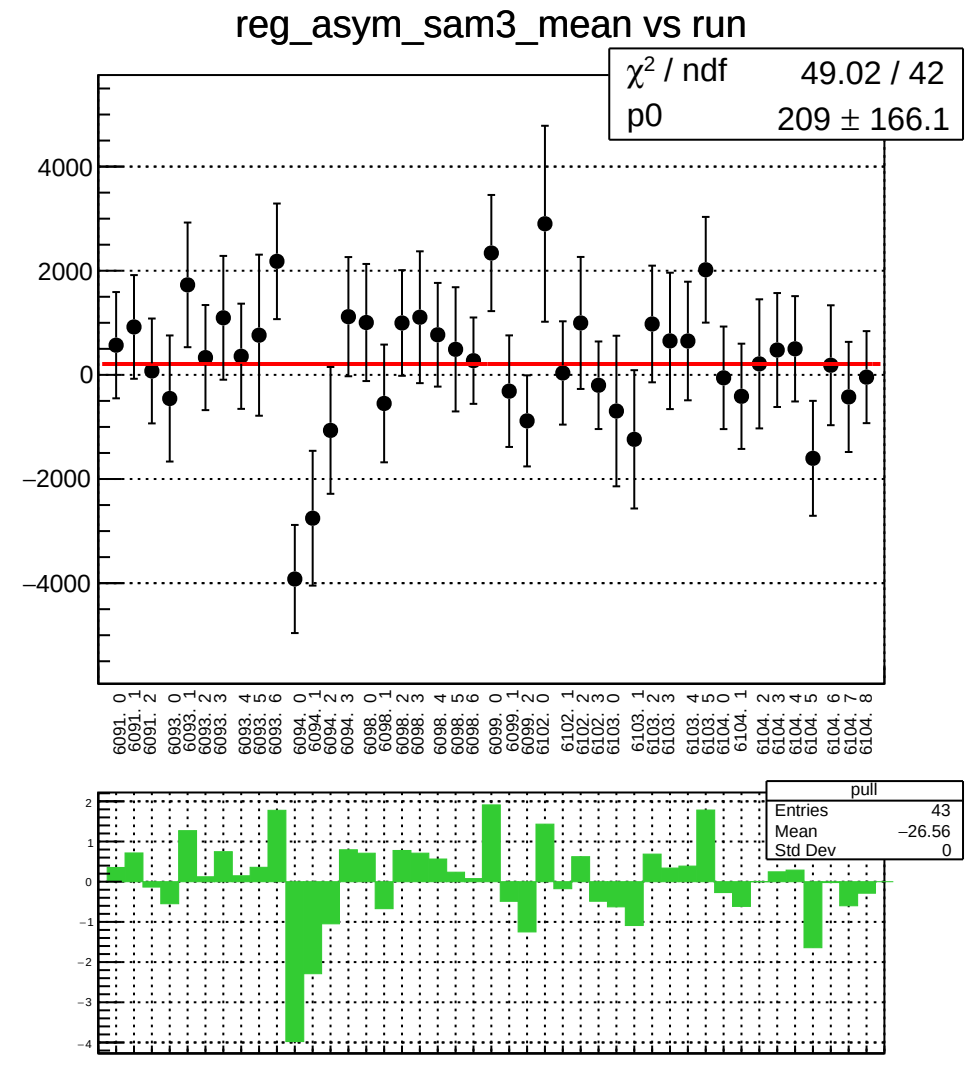


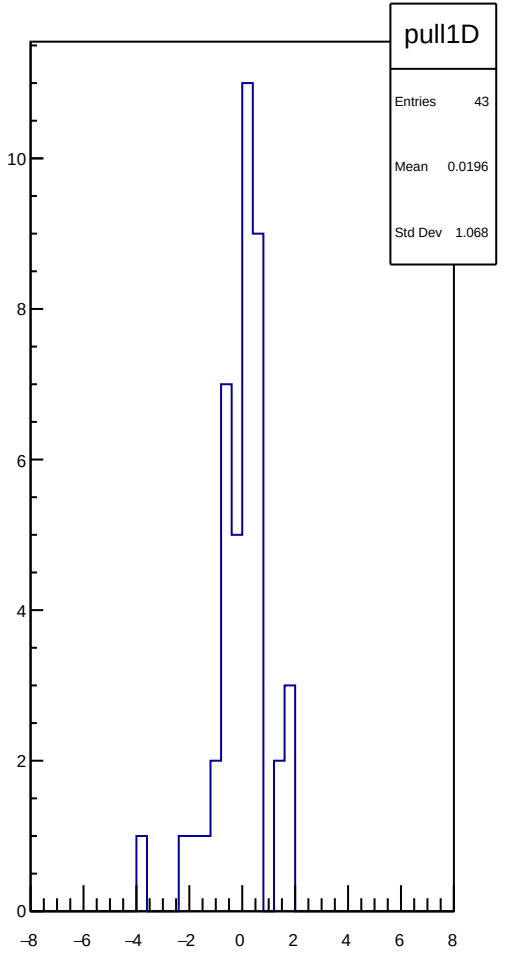


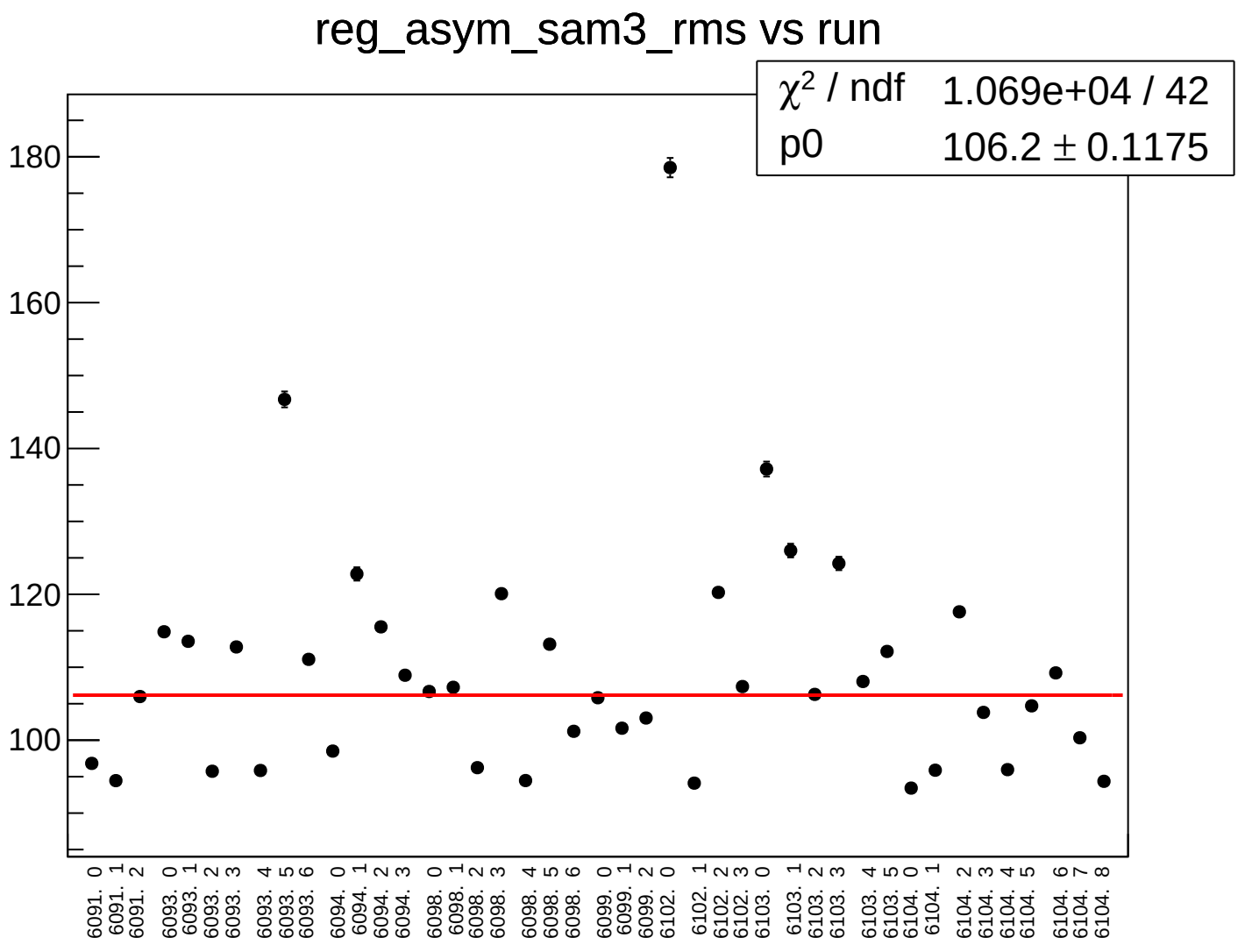

asym_sam2_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.643e+04 / 42
p0 100.2 ± 0.1113
150
140
130
120
110
100
90
80
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

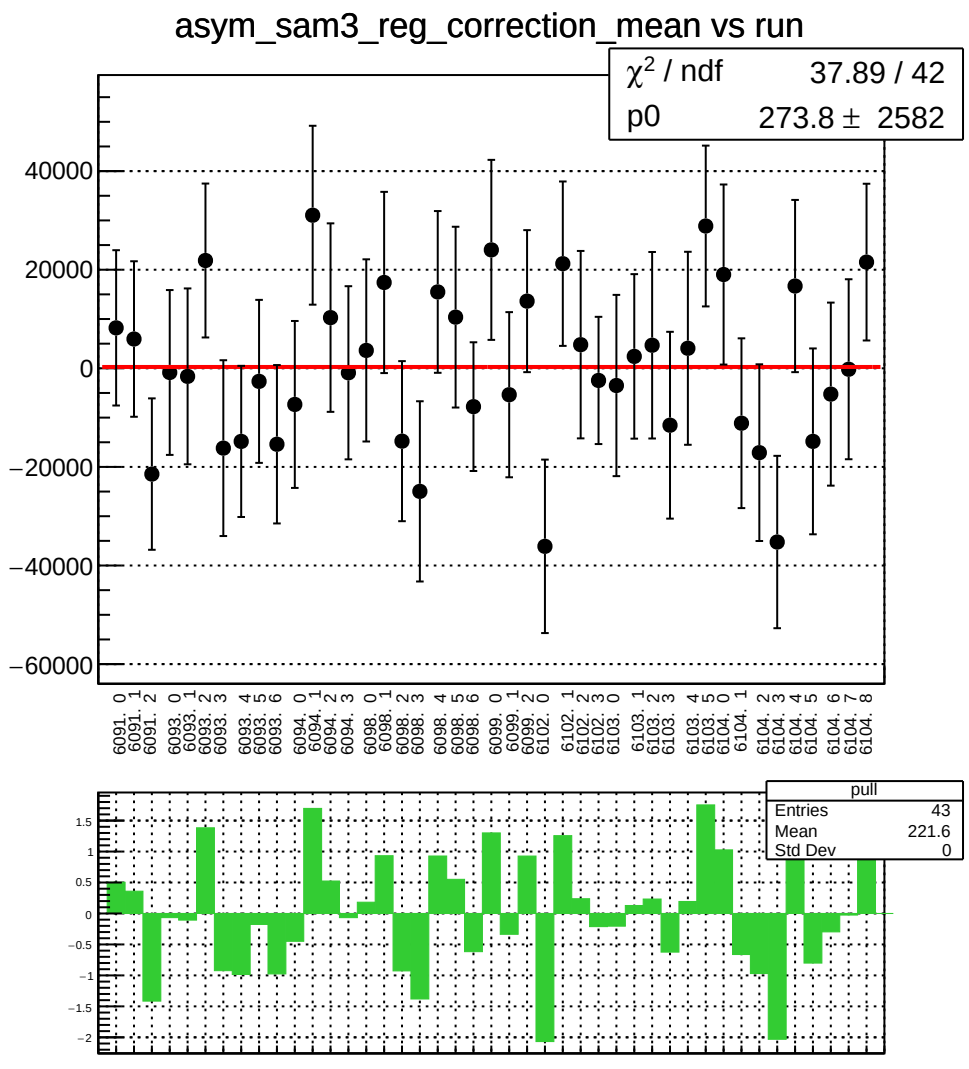

asym_sam2_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 44.62 / 42
p0 3.882e−13 ± 1.611e−13
15
10
5
0
−5
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean −53.26
Std Dev 0
2
1
0
−1
−2
pull1D
Entries 43
Mean −0.02305
Std Dev 1.018
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

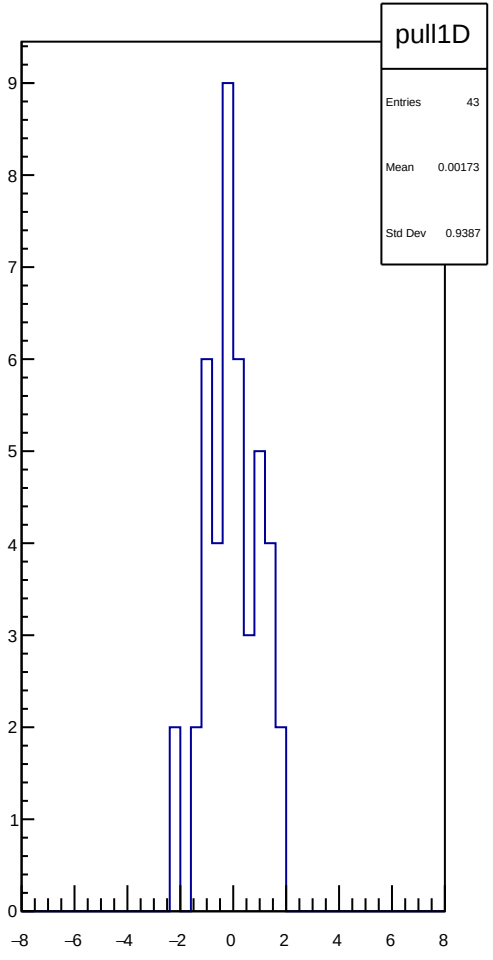

asym_sam2_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 2.604e+05 / 42
p0 8.579e−11 ± 1.139e−13
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

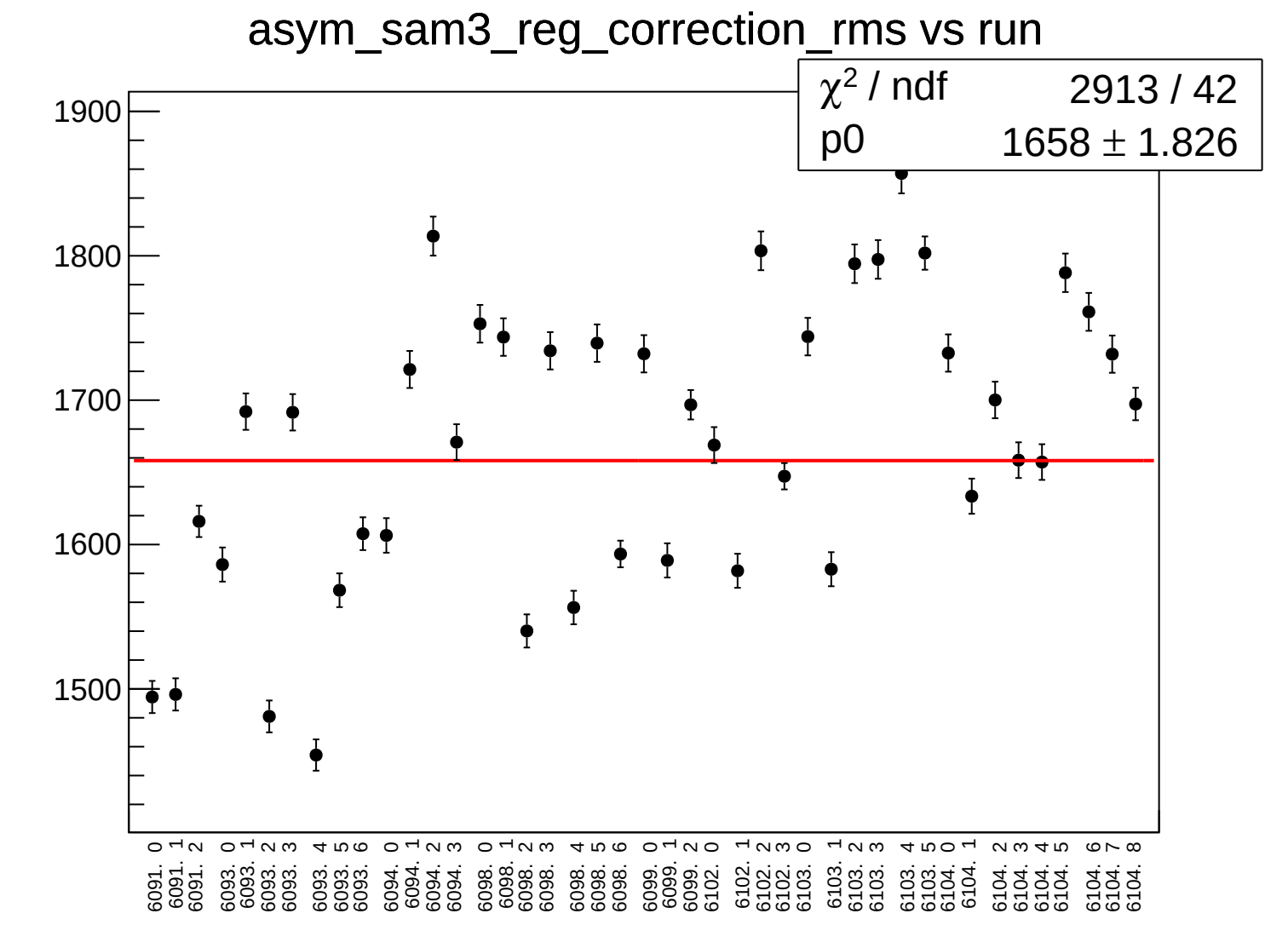

reg_asym_sam3_mean vs run
χ² / ndf 49.02 / 42
p0 209 ± 166.1
4000
2000
0
−2000
−4000
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean −26.56
Std Dev 0
2
1
0
−1
−2
−3
−4

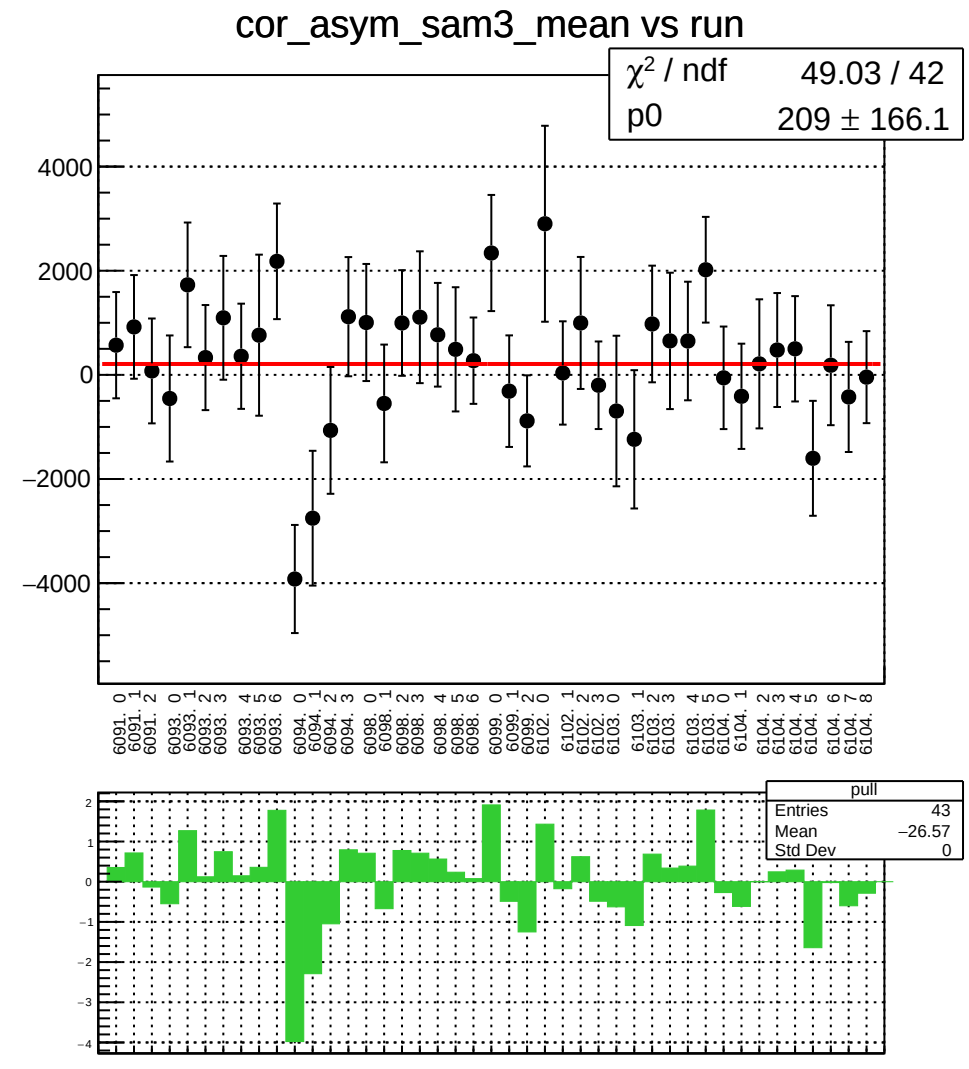

pull1D
Entries 43
Mean 0.0196
Std Dev 1.068
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

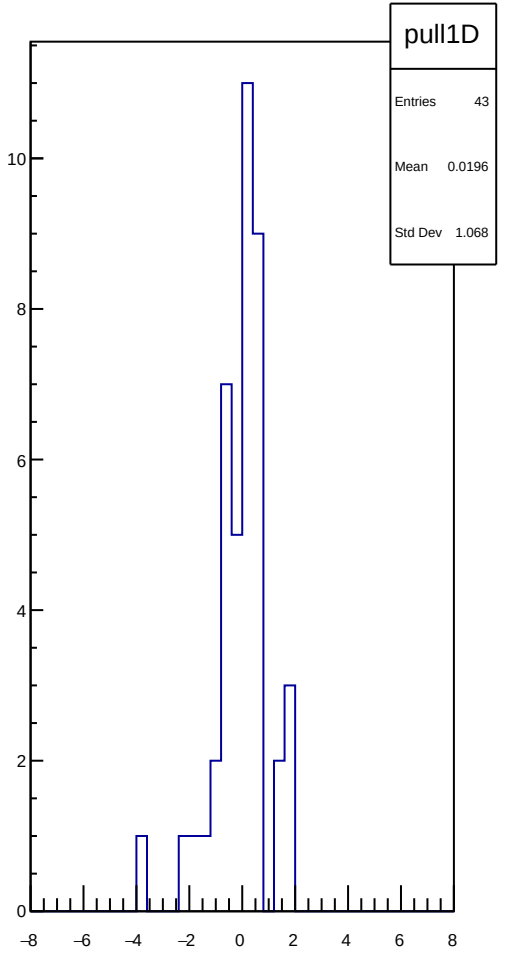

reg_asym_sam3_rms vs run
χ² / ndf 1.069e+04 / 42
p0 106.2 ± 0.1175
180
160
140
120
100
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

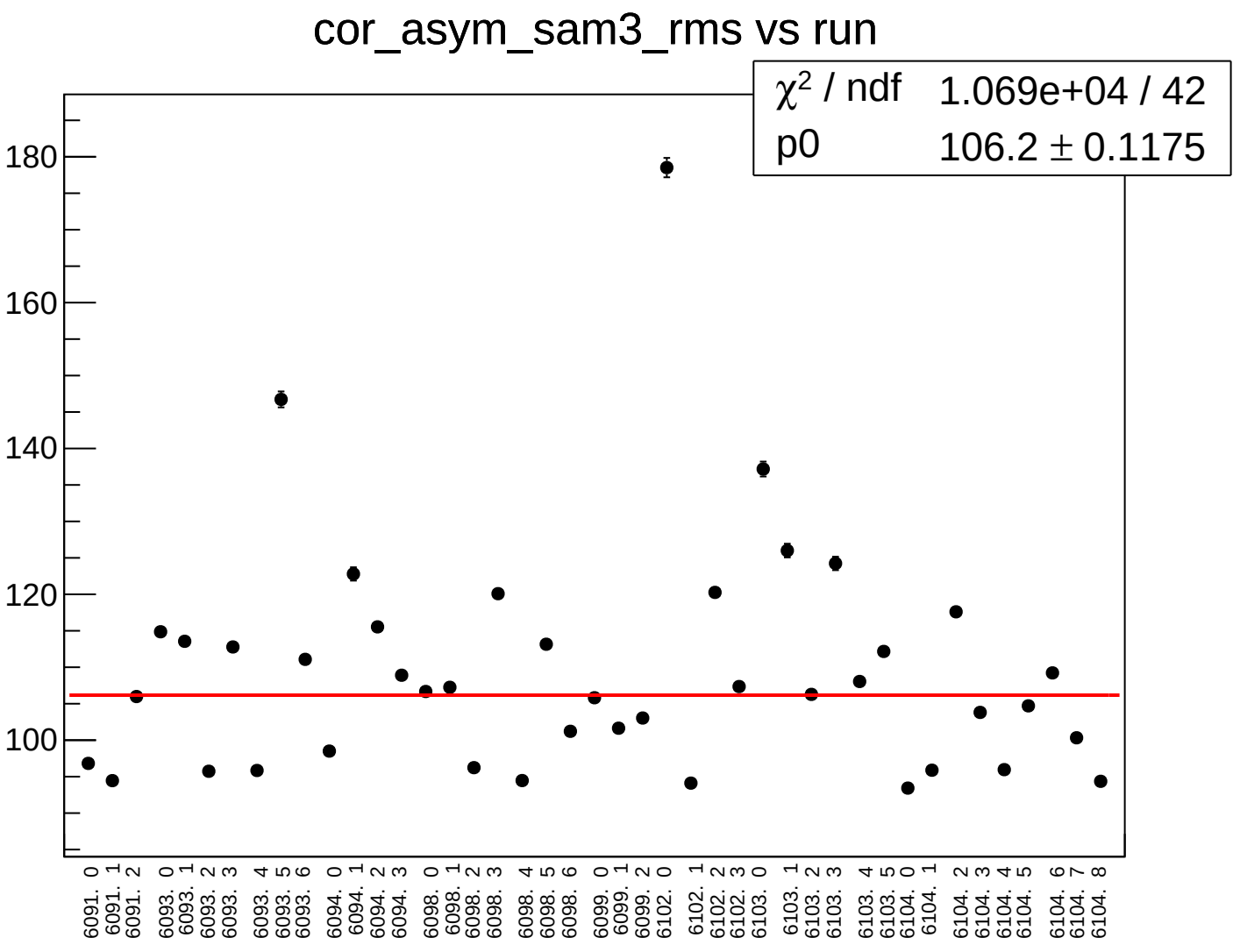

asym_sam3_reg_correction_mean vs run
χ² / ndf 37.89 / 42
p0 273.8 ± 2582
40000
20000
0
−20000
−40000
−60000
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 221.6
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2

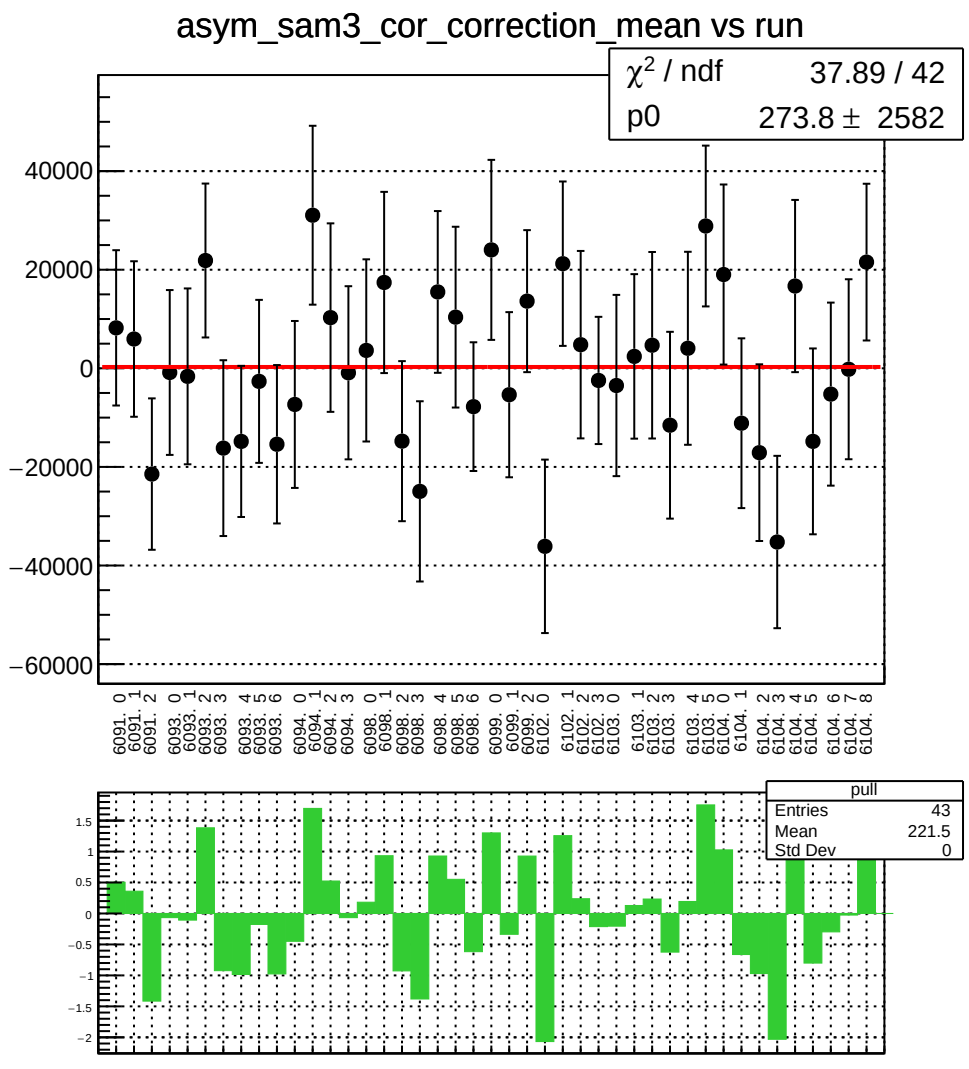

pull1D
Entries 43
Mean 0.00173
Std Dev 0.9387
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

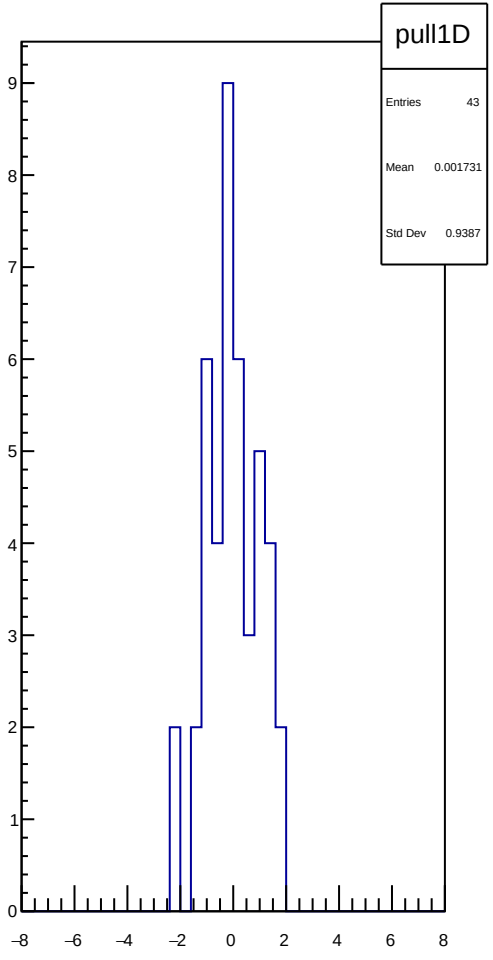

asym_sam3_reg_correction_rms vs run
χ² / ndf 2913 / 42
p0 1658 ± 1.826
1900
1800
1700
1600
1500
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

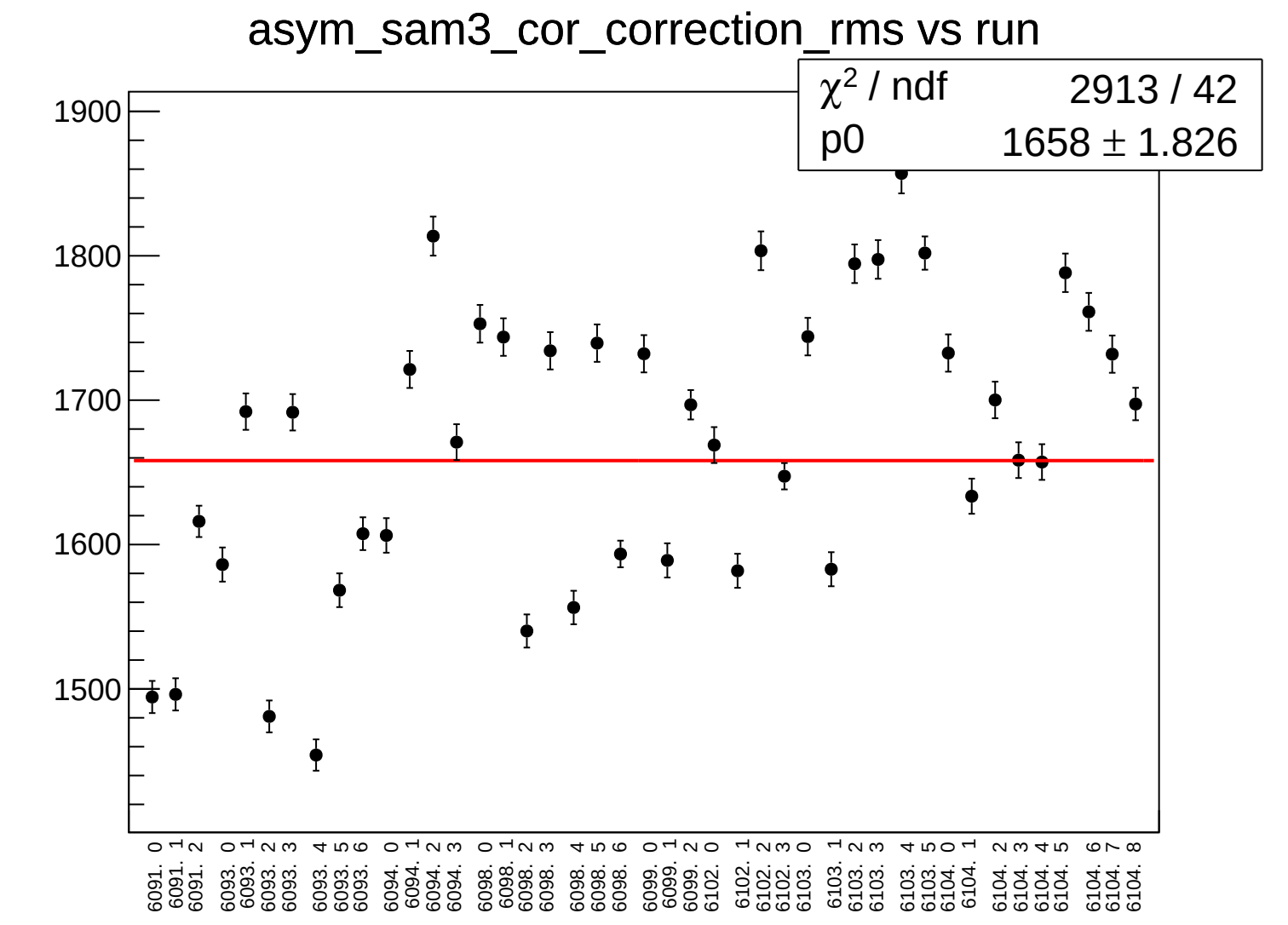

cor_asym_sam3_mean vs run
χ² / ndf 49.03 / 42
p0 209 ± 166.1
4000
2000
0
−2000
−4000
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean −26.57
Std Dev 0
2
1
0
−1
−2
−3
−4

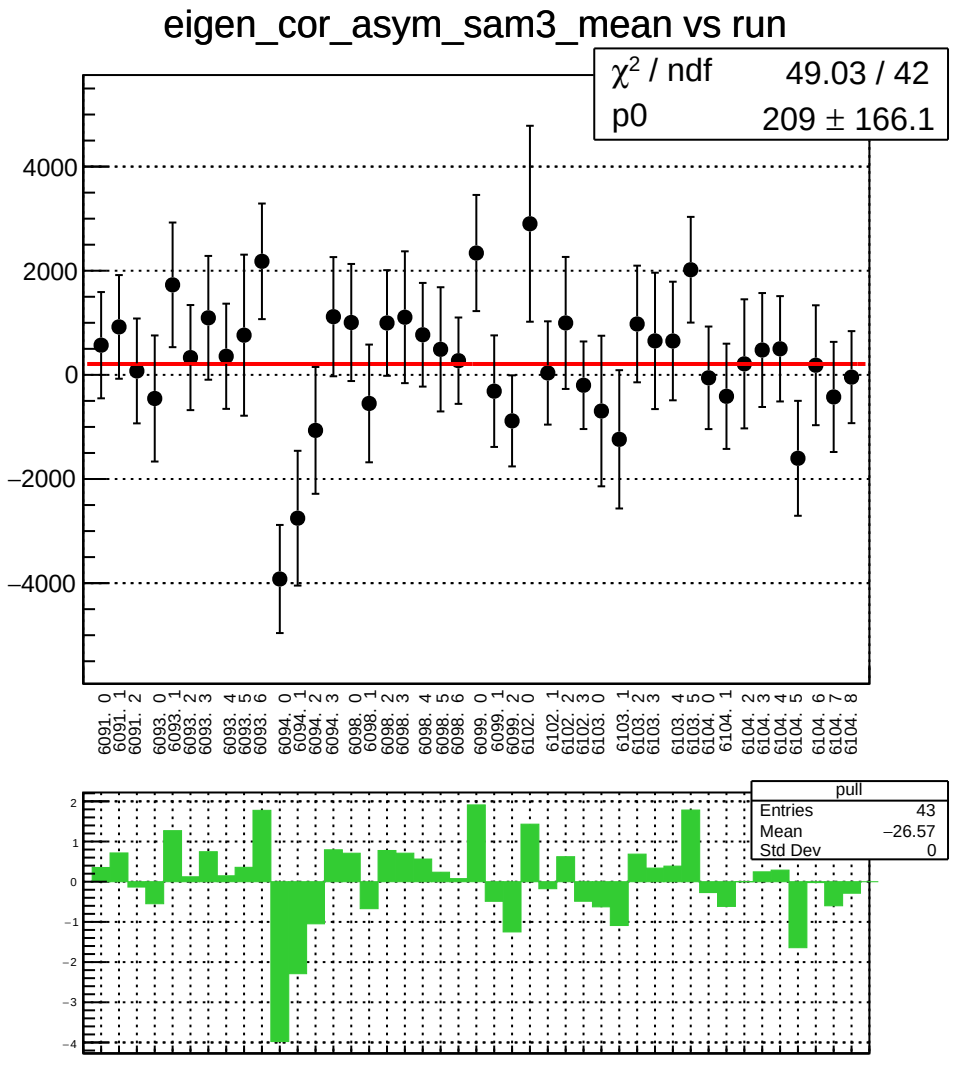

pull1D
Entries 43
Mean 0.0196
Std Dev 1.068
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

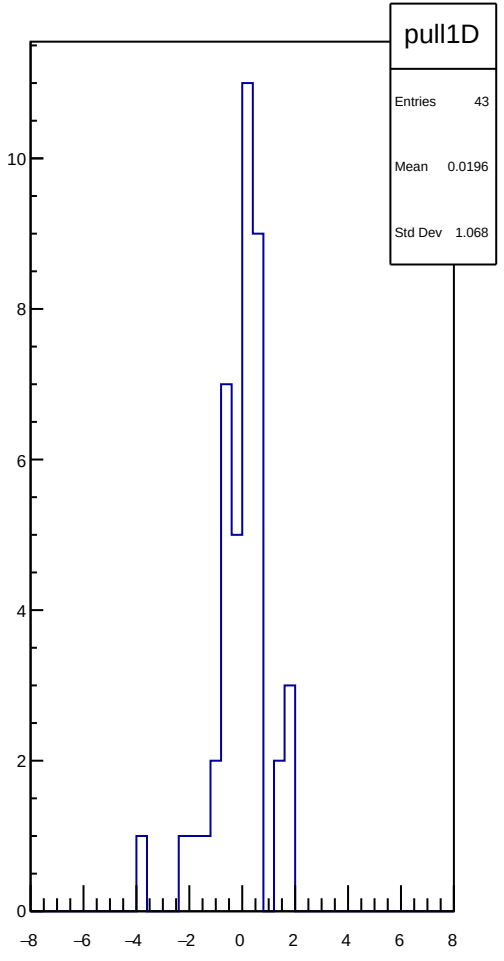

cor_asym_sam3_rms vs run
χ² / ndf 1.069e+04 / 42
p0 106.2 ± 0.1175
180
160
140
120
100
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8


asym_sam3_cor_correction_mean vs run
χ² / ndf 37.89 / 42
p0 273.8 ± 2582
40000
20000
0
−20000
−40000
−60000
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 221.5
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2


pull1D
Entries 43
Mean 0.001731
Std Dev 0.9387
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


asym_sam3_cor_correction_rms vs run
χ² / ndf 2913 / 42
p0 1658 ± 1.826
1900
1800
1700
1600
1500
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8


eigen_cor_asym_sam3_mean vs run
χ² / ndf 49.03 / 42
p0 209 ± 166.1
4000
2000
0
−2000
−4000
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean −26.57
Std Dev 0
2
1
0
−1
−2
−3
−4


pull1D
Entries 43
Mean 0.0196
Std Dev 1.068
10
8
6
4
2
0
−8
−6
−4
−2
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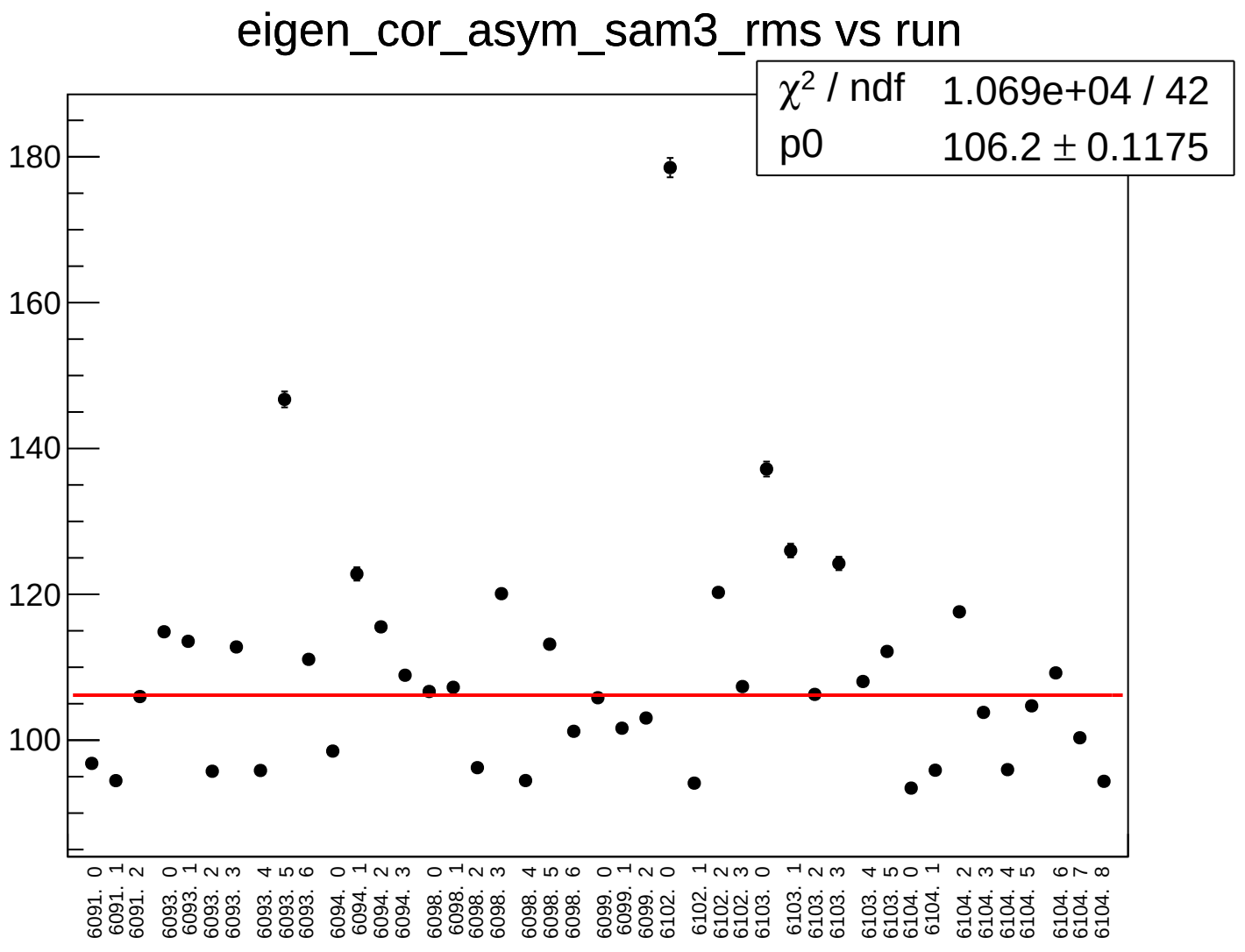
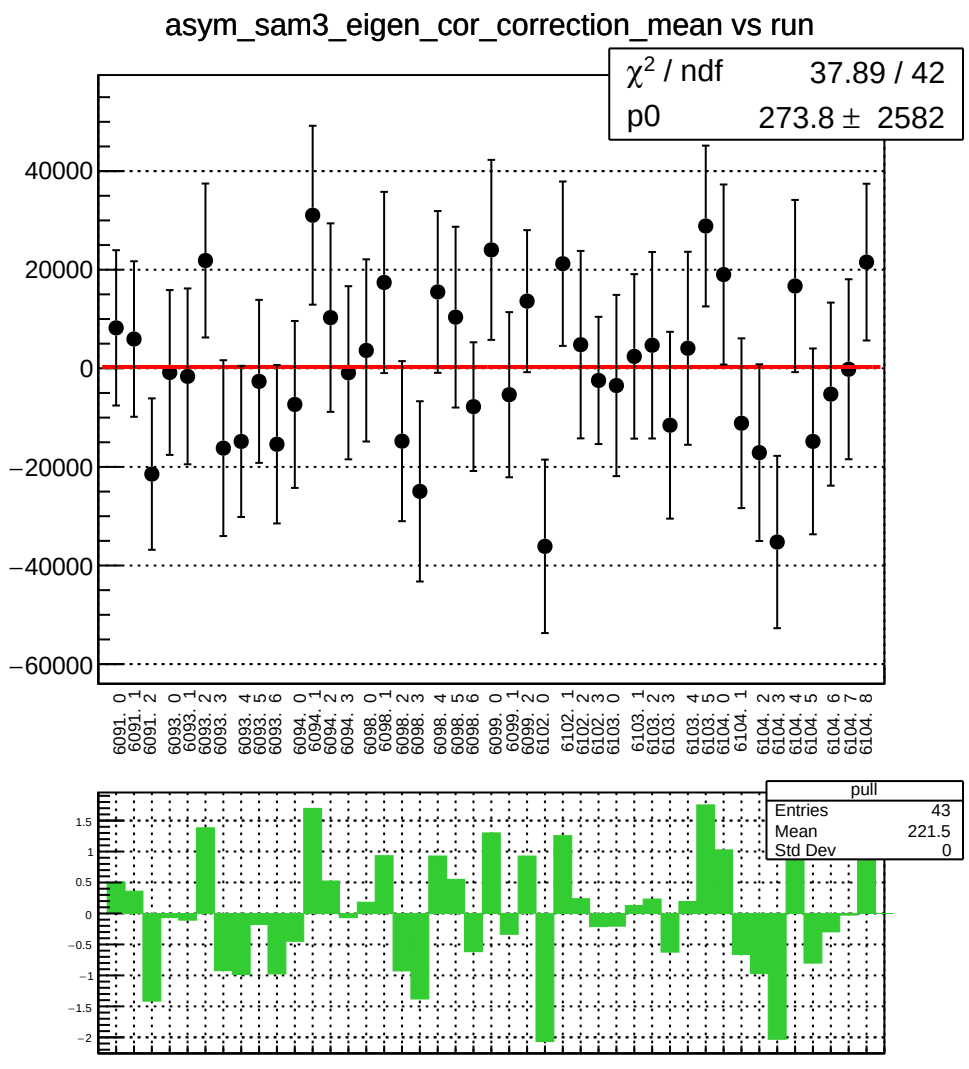
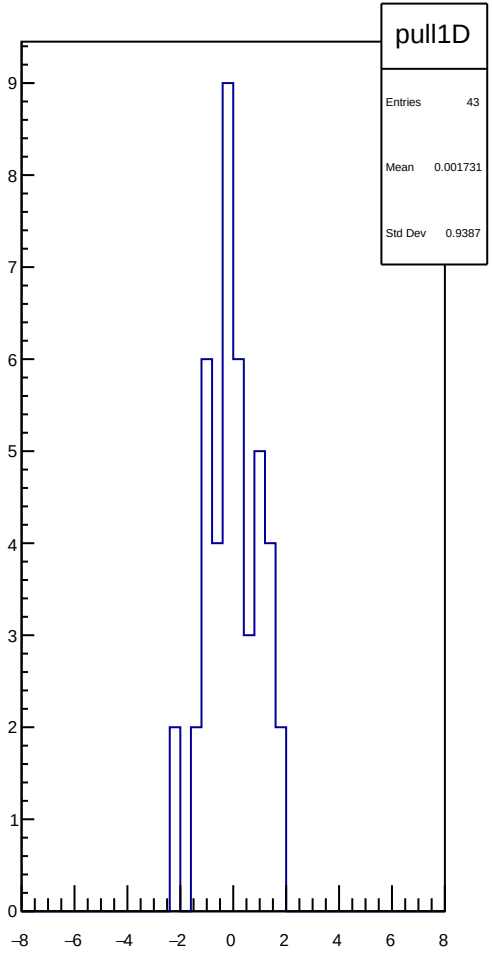
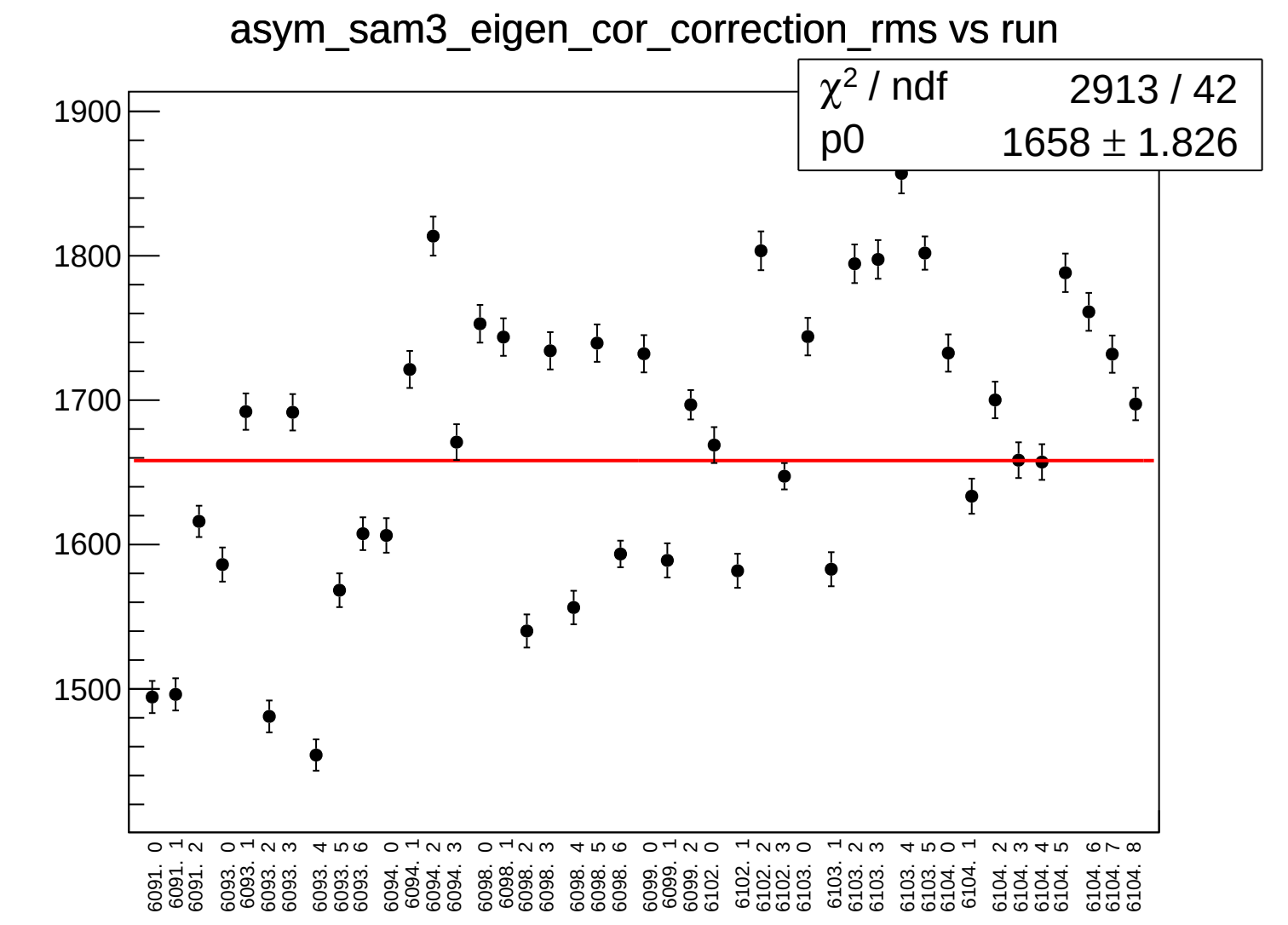
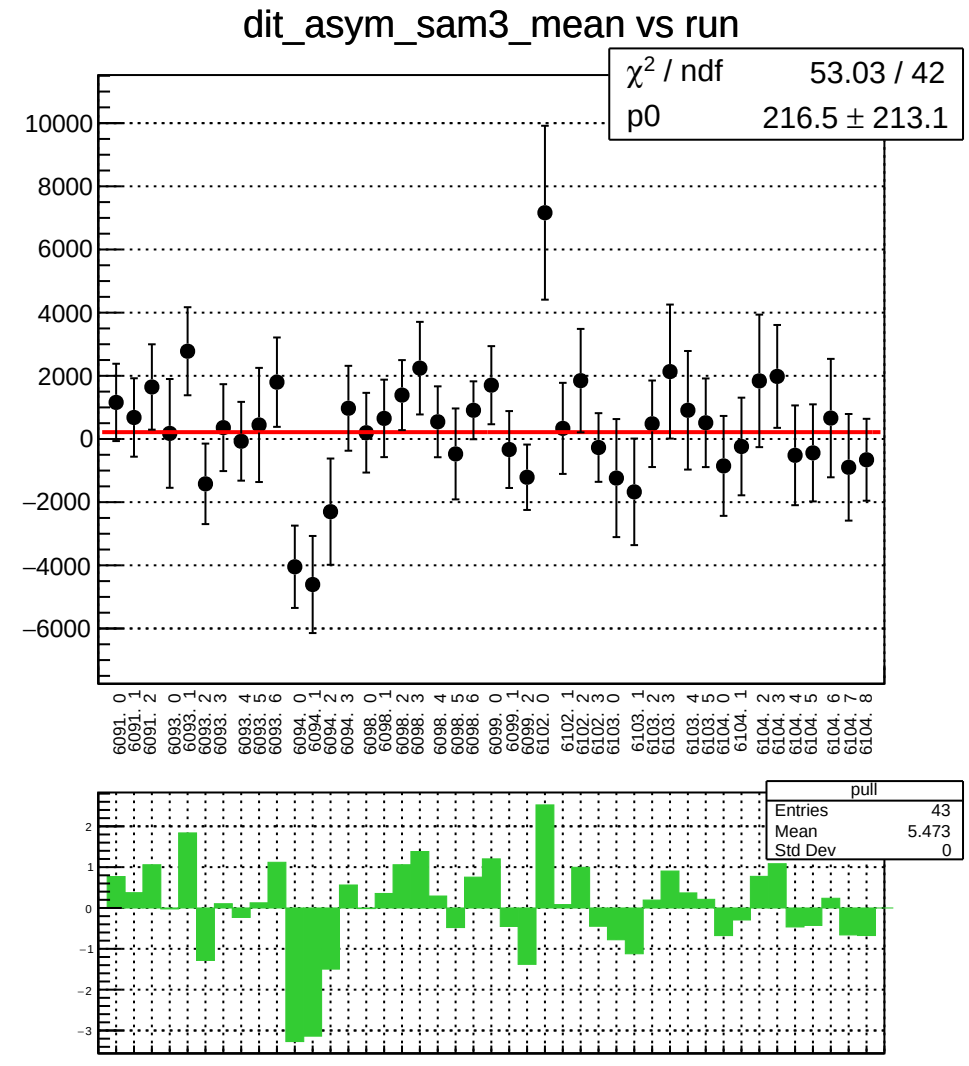
2
4
6
8

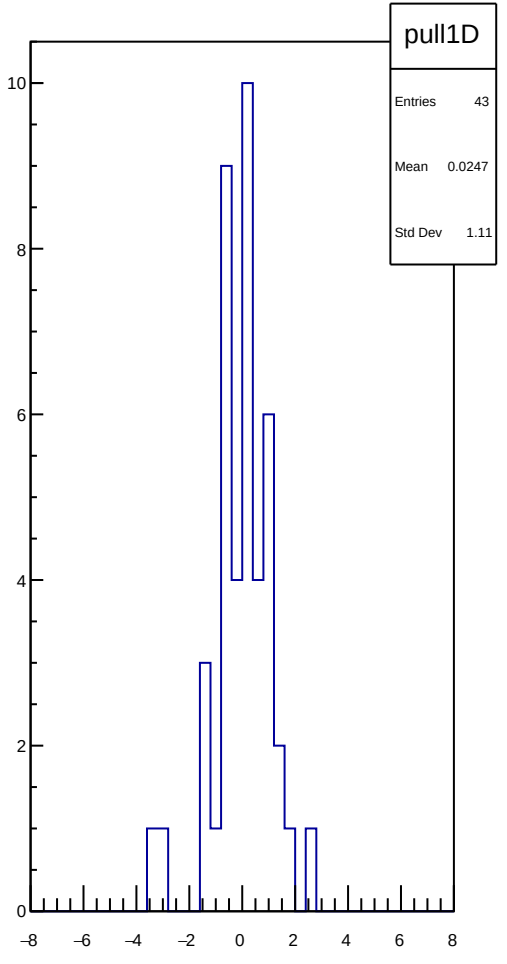

eigen_cor_asym_sam3_rms vs run
χ² / ndf 1.069e+04 / 42
p0 106.2 ± 0.1175
180
160
140
120
100
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

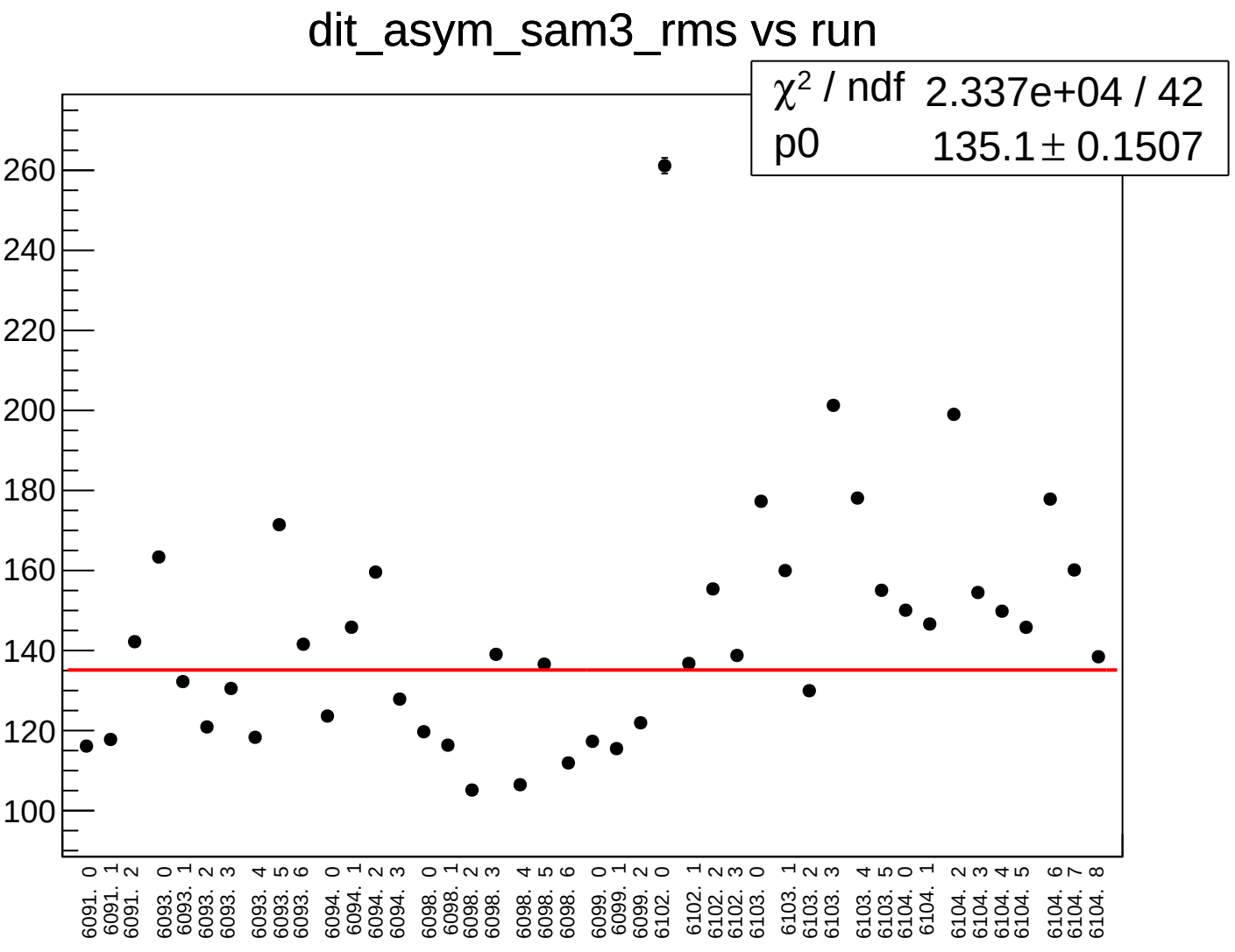

asym_sam3_eigen_cor_correction_mean vs run
χ² / ndf 37.89 / 42
p0 273.8 ± 2582
40000
20000
0
−20000
−40000
−60000
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 221.5
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2

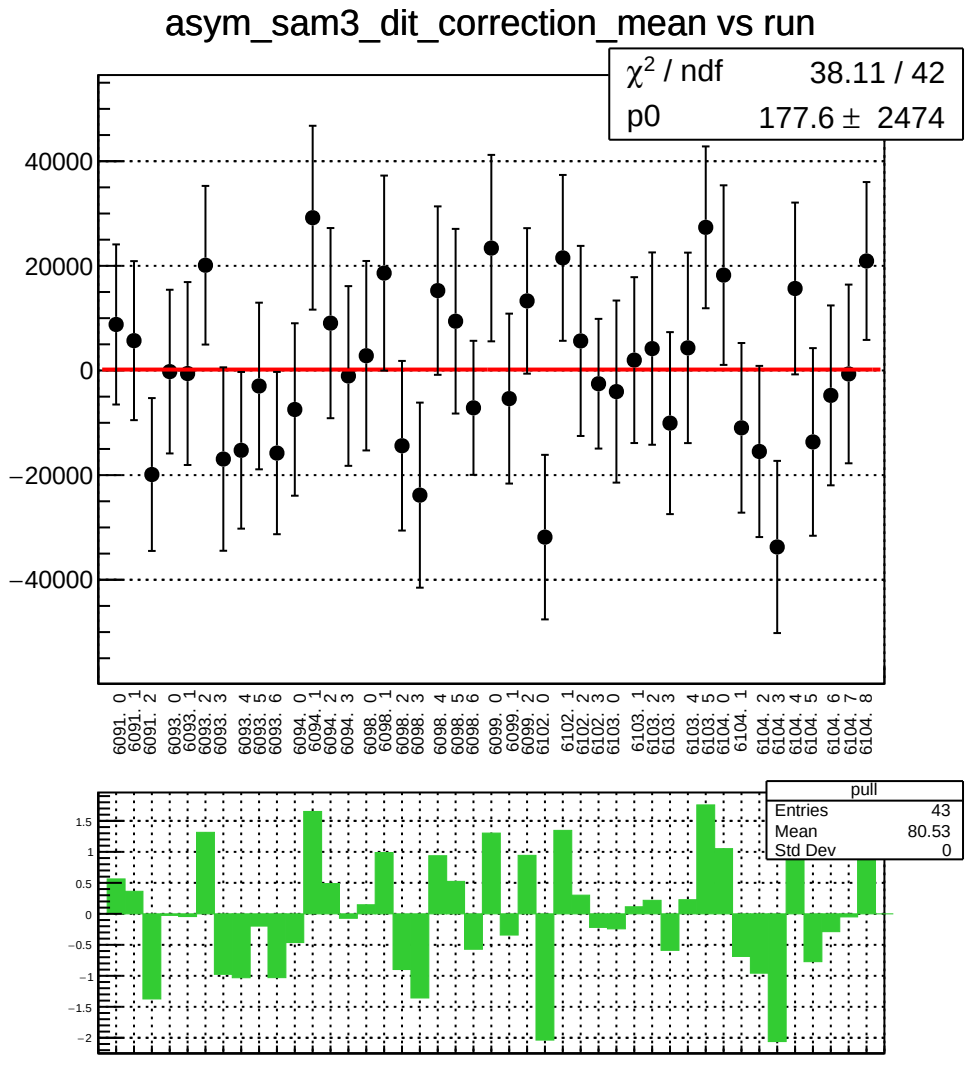

pull1D
Entries 43
Mean 0.001731
Std Dev 0.9387
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


asym_sam3_eigen_cor_correction_rms vs run
χ² / ndf 2913 / 42
p0 1658 ± 1.826
1900
1800
1700
1600
1500
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8


dit_asym_sam3_mean vs run
χ² / ndf 53.03 / 42
p0 216.5 ± 213.1
10000
8000
6000
4000
2000
0
−2000
−4000
−6000
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 5.473
Std Dev 0
2
1
0
−1
−2
−3


pull1D
Entries 43
Mean 0.0247
Std Dev 1.11
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


dit_asym_sam3_rms vs run
χ² / ndf 2.337e+04 / 42
p0 135.1 ± 0.1507
260
240
220
200
180
160
140
120
100
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8


asym_sam3_dit_correction_mean vs run
χ² / ndf 38.11 / 42
p0 177.6 ± 2474
40000
20000
0
−20000
−40000
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
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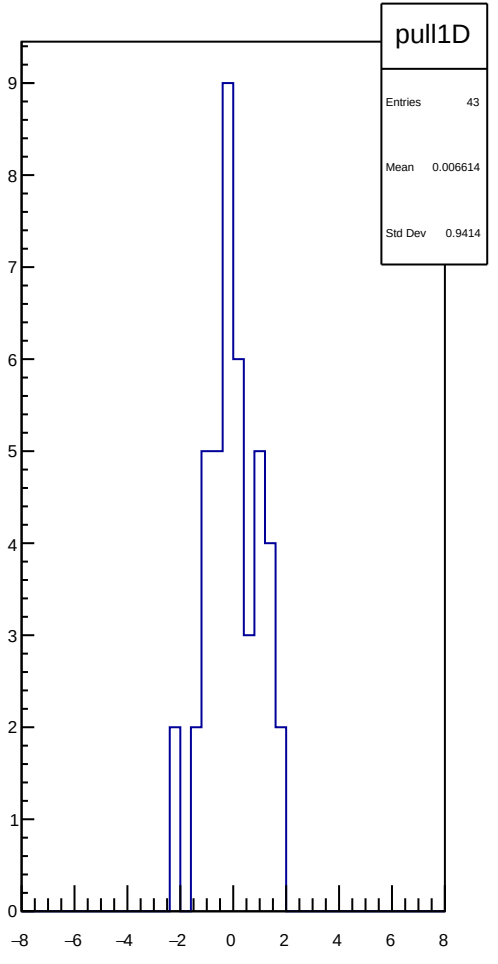
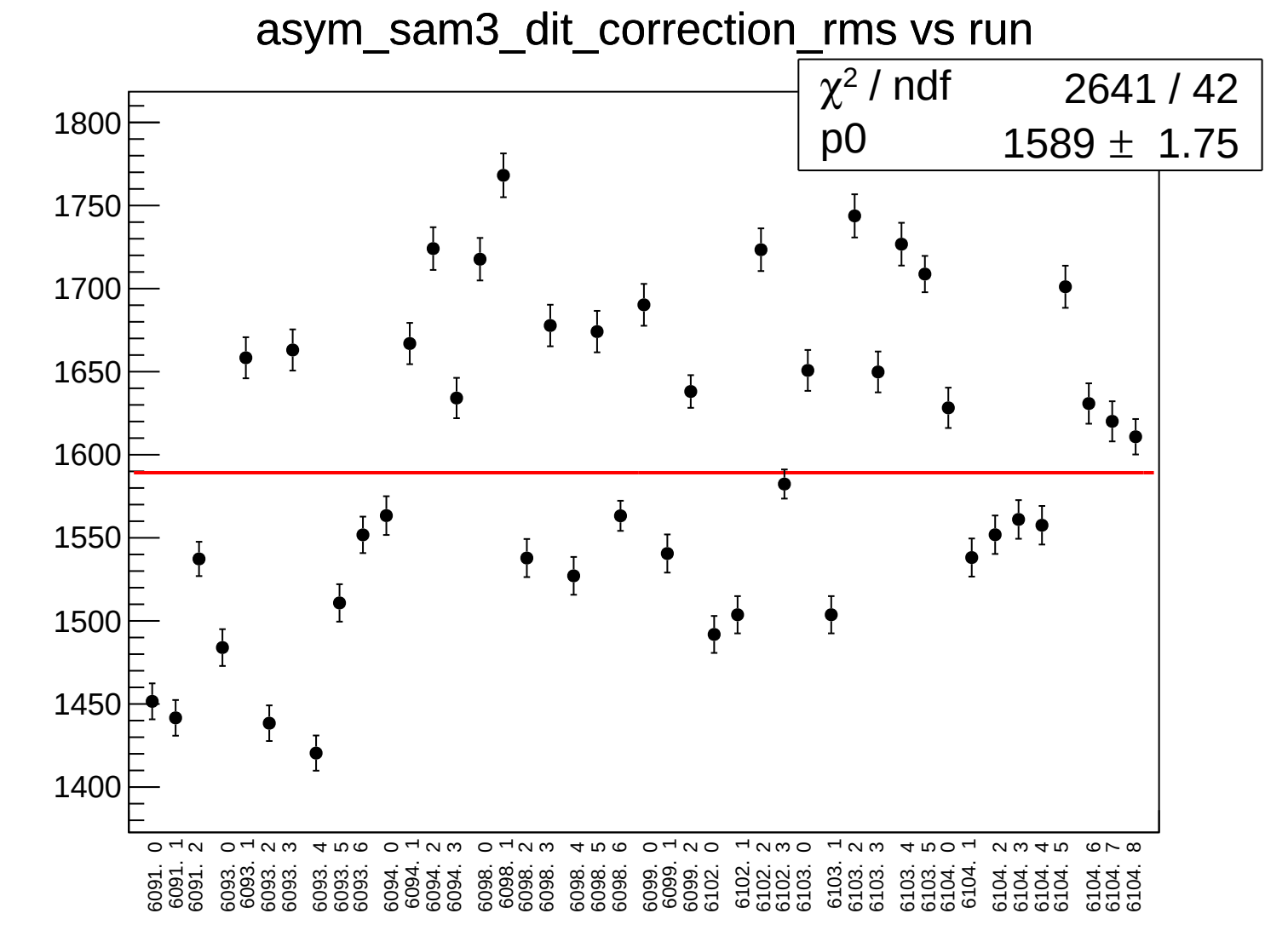
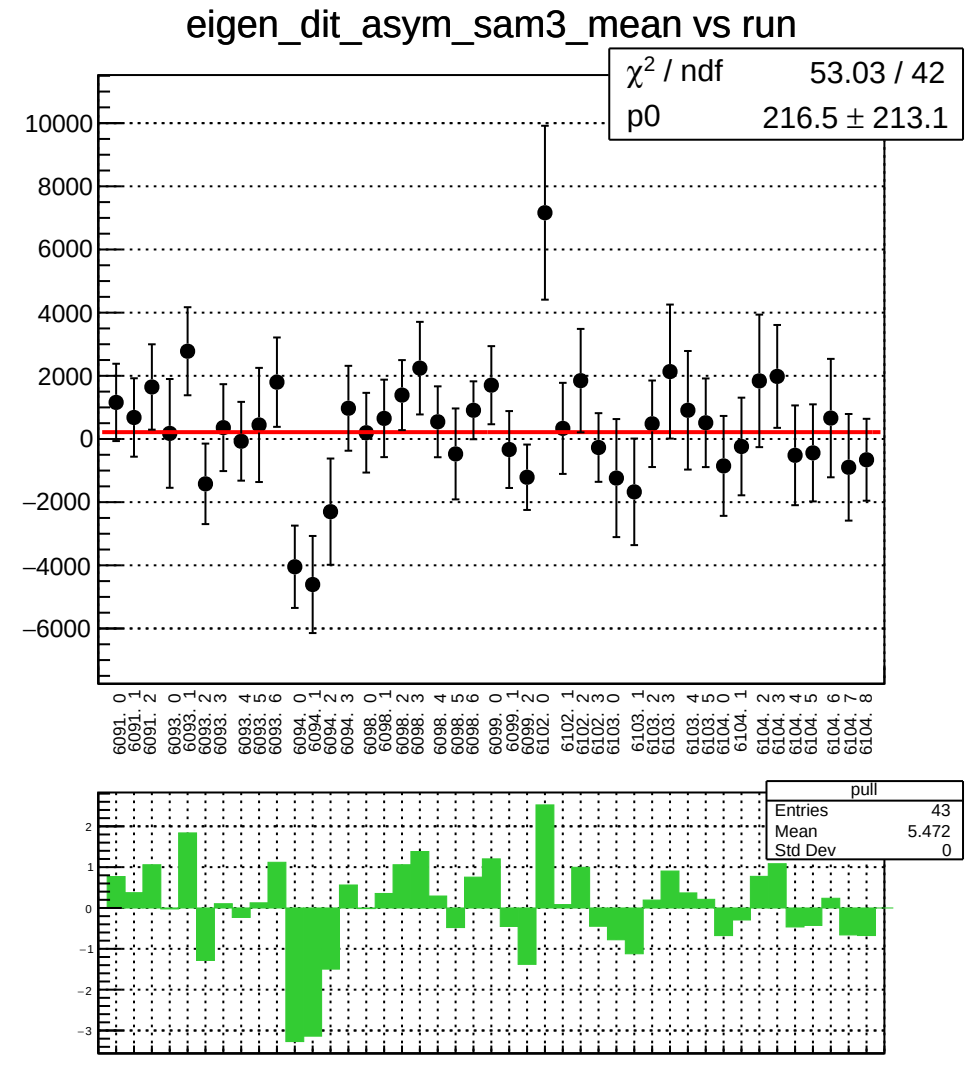
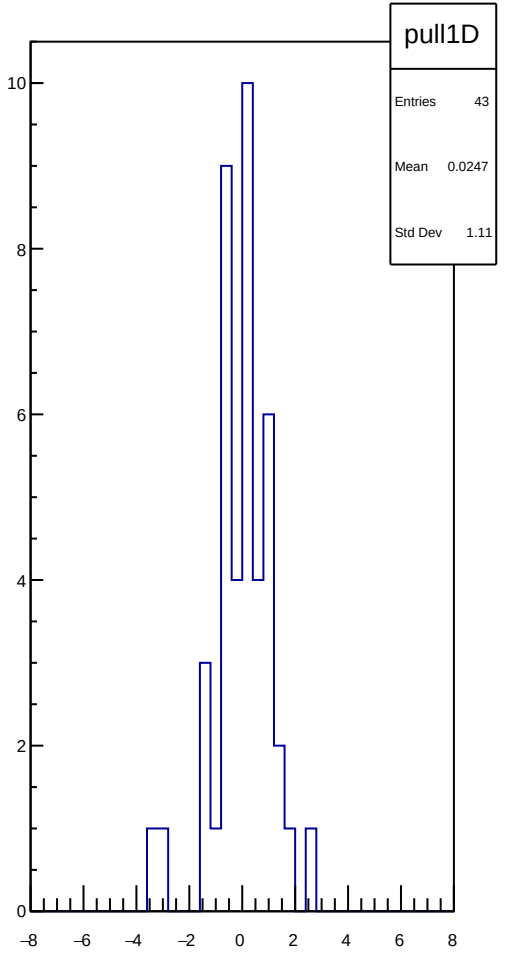
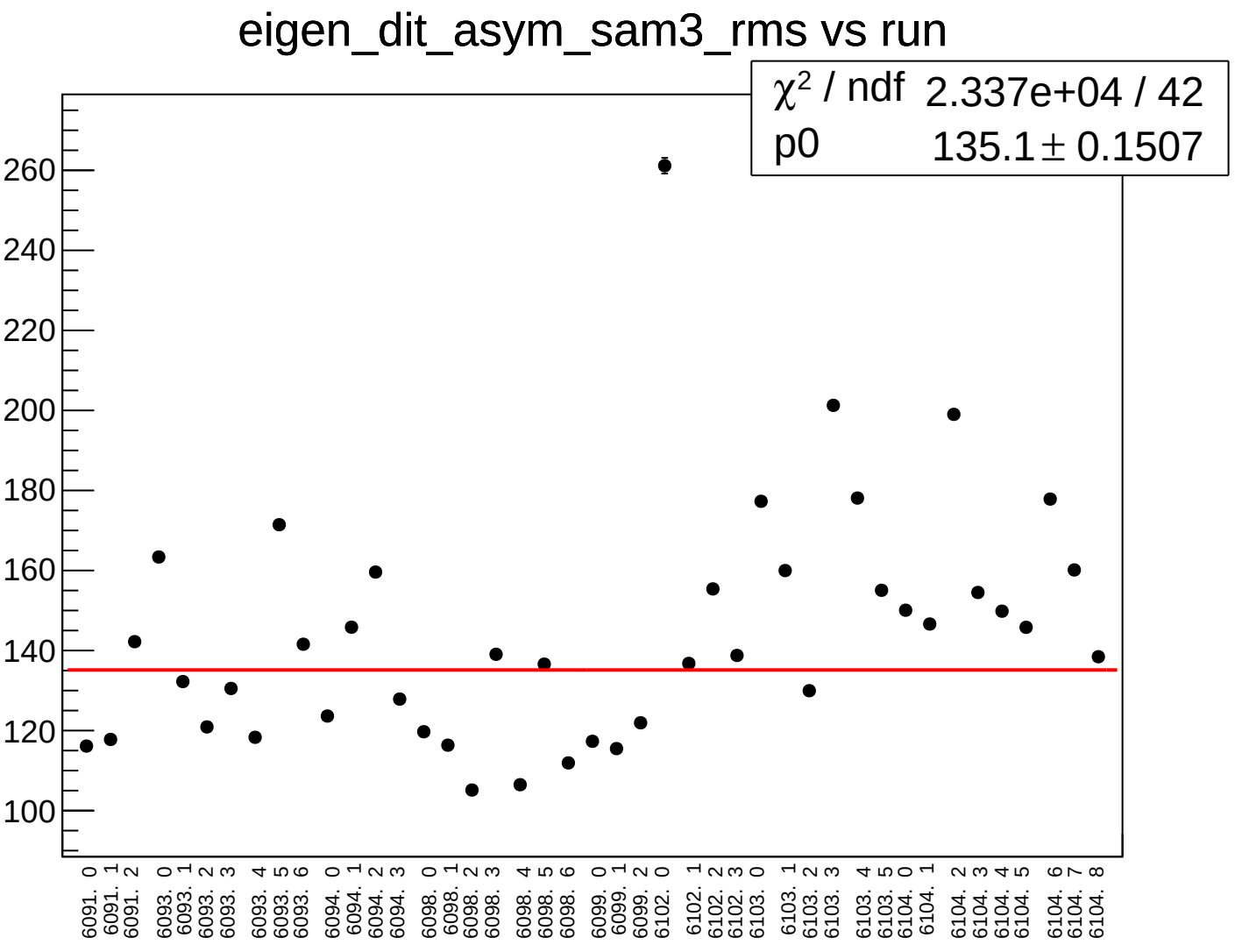
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 80.53
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2

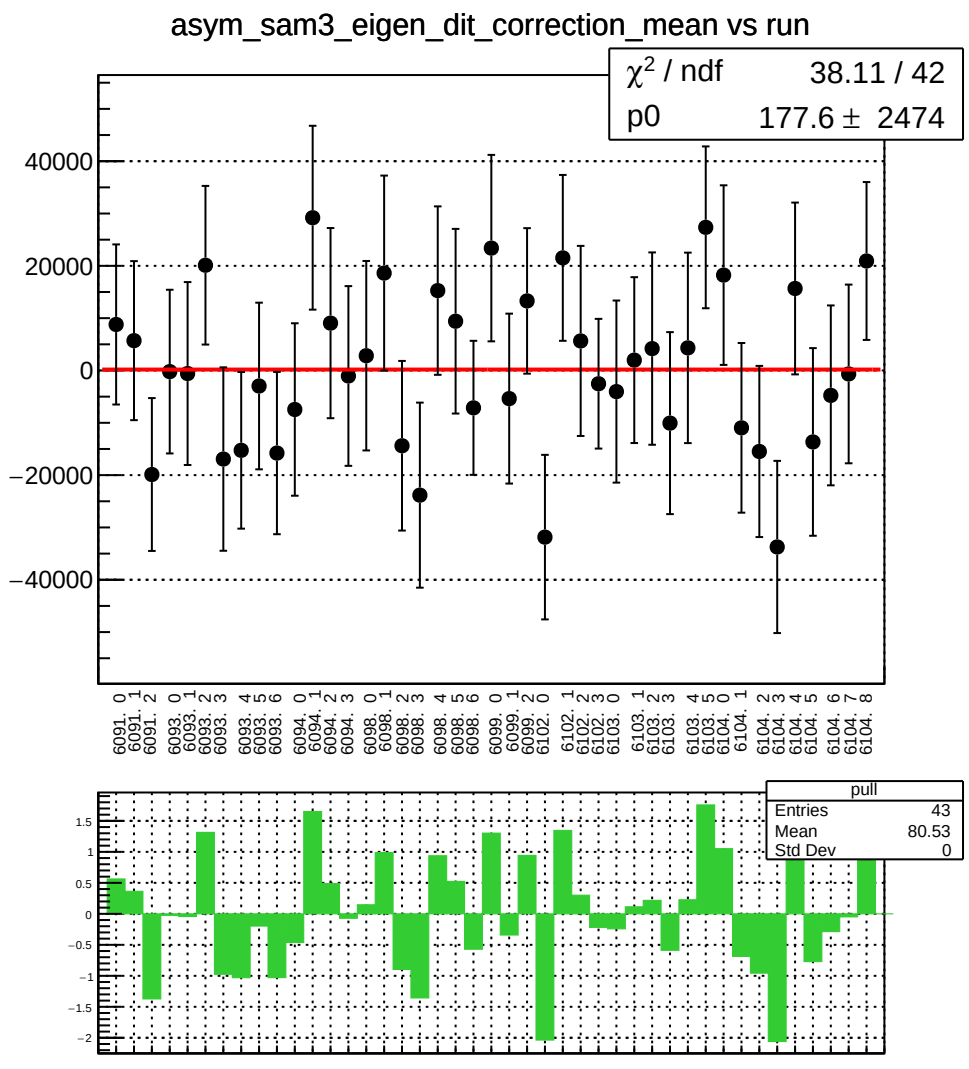

pull1D
Entries 43
Mean 0.006614
Std Dev 0.9414
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

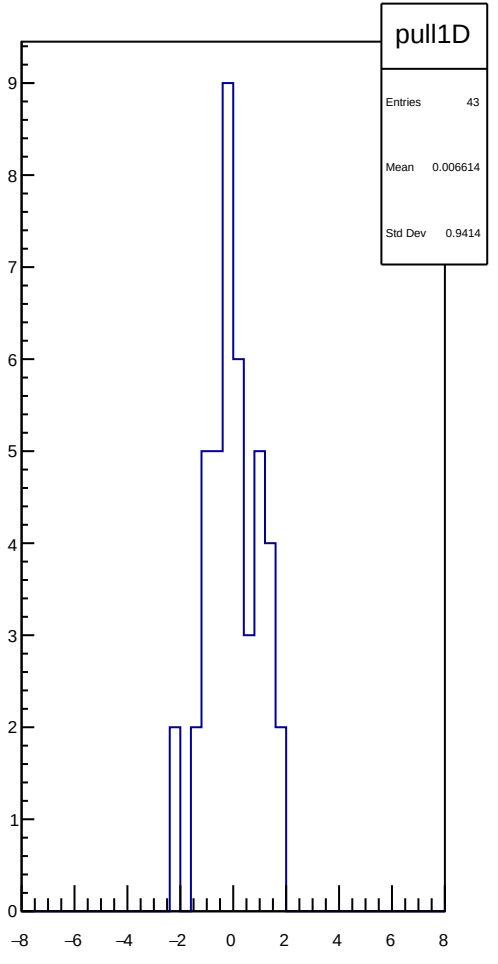

asym_sam3_dit_correction_rms vs run
χ² / ndf 2641 / 42
p0 1589 ± 1.75
1800
1750
1700
1650
1600
1550
1500
1450
1400
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

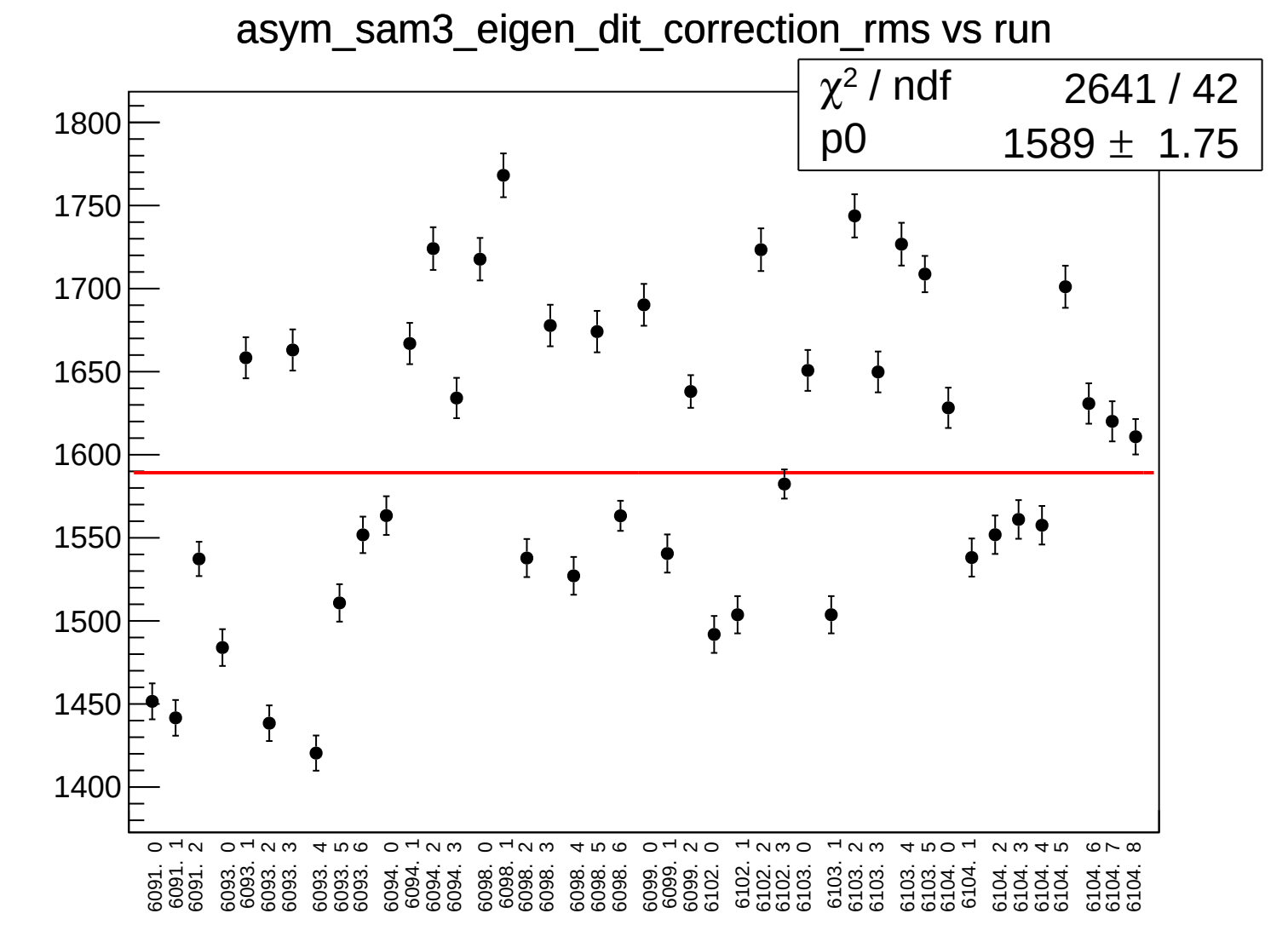

eigen_dit_asym_sam3_mean vs run
χ² / ndf 53.03 / 42
p0 216.5 ± 213.1
10000
8000
6000
4000
2000
0
−2000
−4000
−6000
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 5.472
Std Dev 0
2
1
0
−1
−2
−3

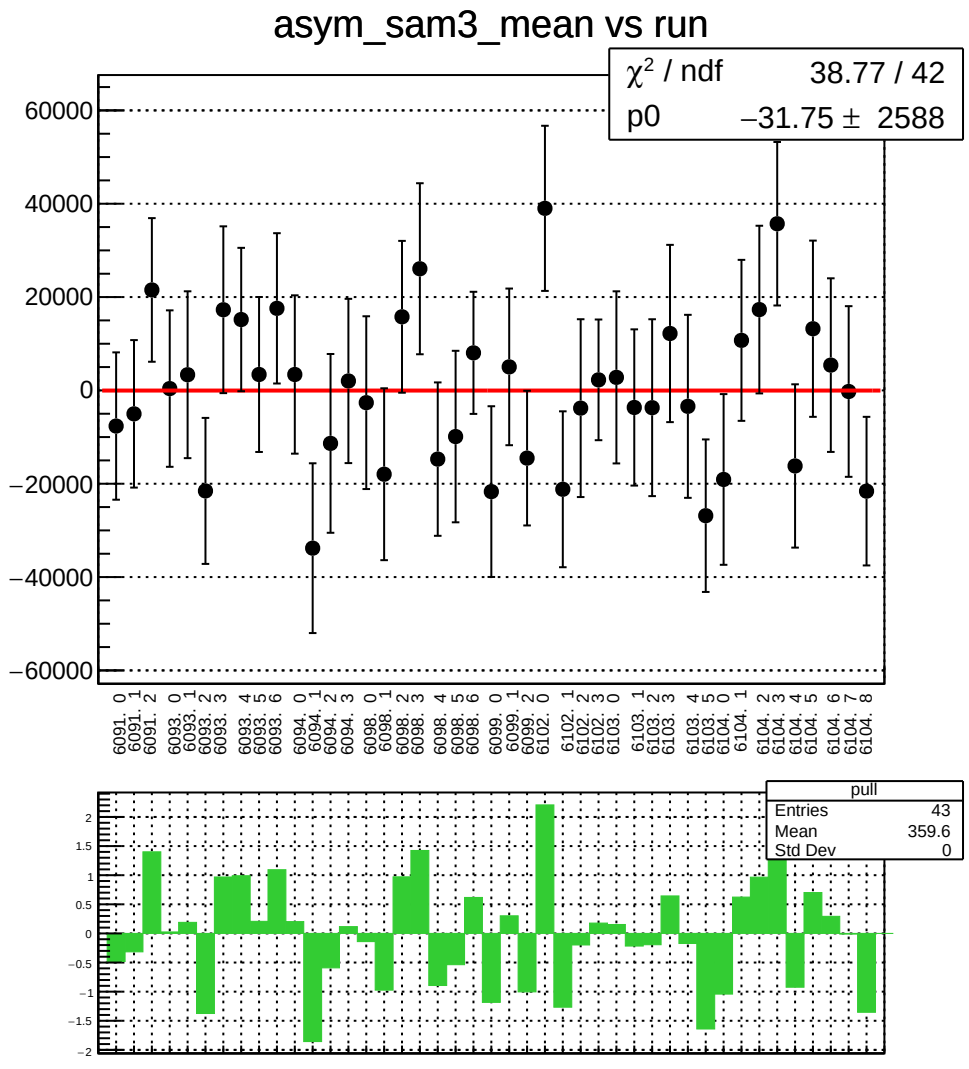

pull1D
Entries 43
Mean 0.0247
Std Dev 1.11
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

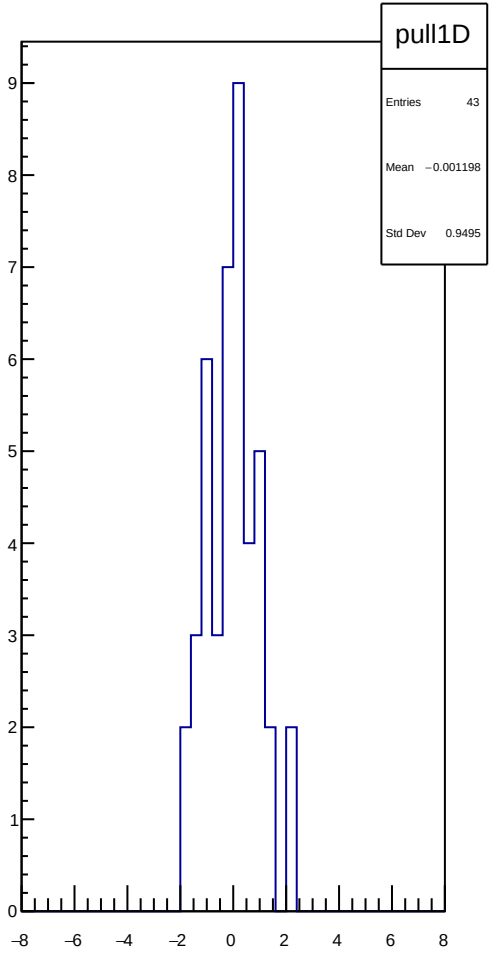

eigen_dit_asym_sam3_rms vs run
χ² / ndf 2.337e+04 / 42
p0 135.1 ± 0.1507
260
240
220
200
180
160
140
120
100
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

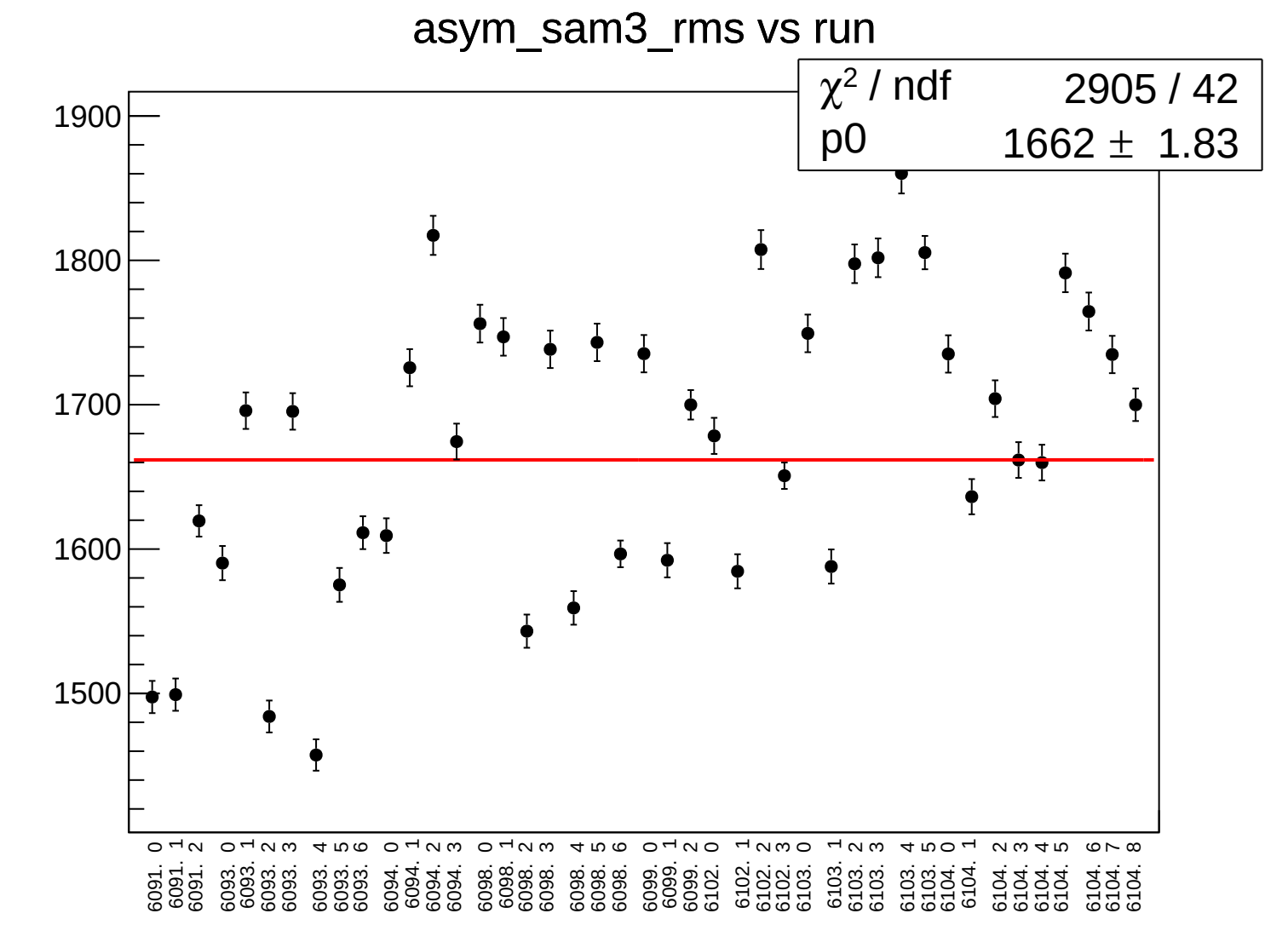

asym_sam3_eigen_dit_correction_mean vs run
χ² / ndf 38.11 / 42
p0 177.6 ± 2474
40000
20000
0
−20000
−40000
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 80.53
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2

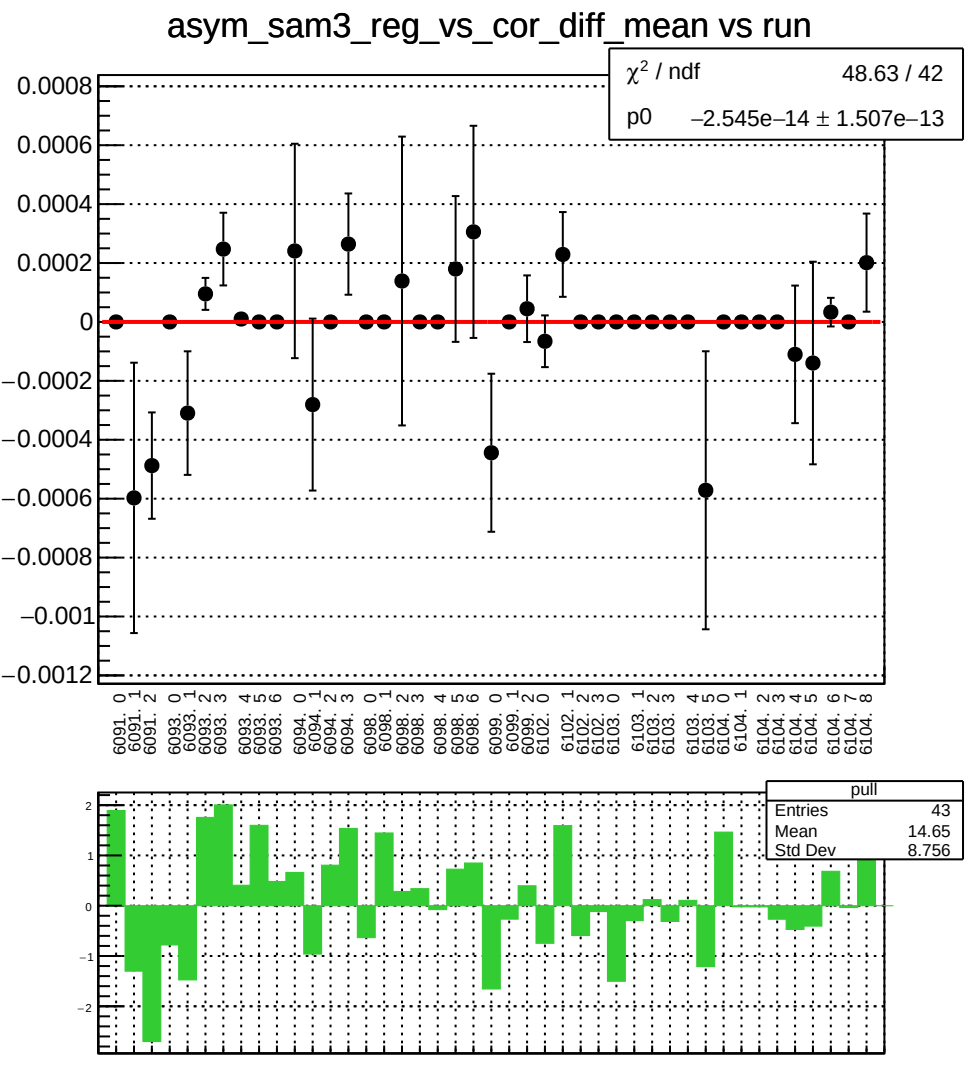

pull1D
Entries 43
Mean 0.006614
Std Dev 0.9414
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

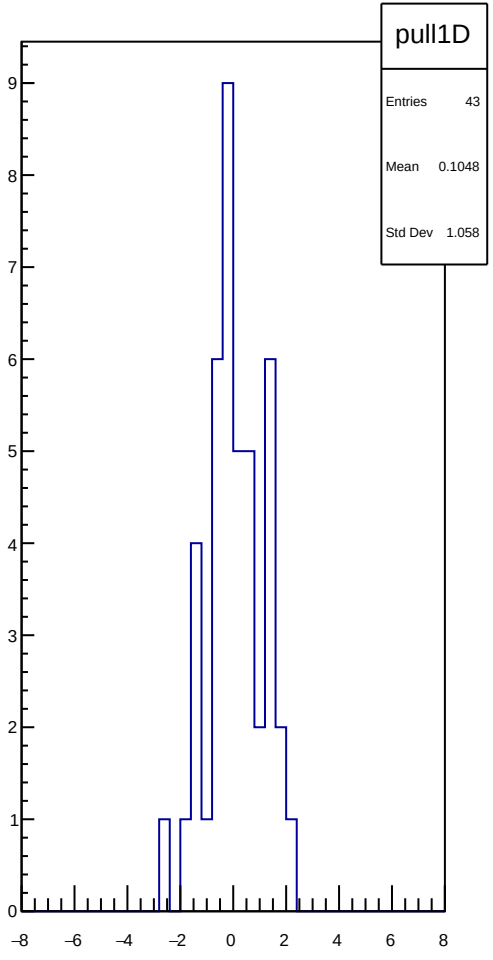

asym_sam3_eigen_dit_correction_rms vs run
χ² / ndf 2641 / 42
p0 1589 ± 1.75
1800
1750
1700
1650
1600
1550
1500
1450
1400
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

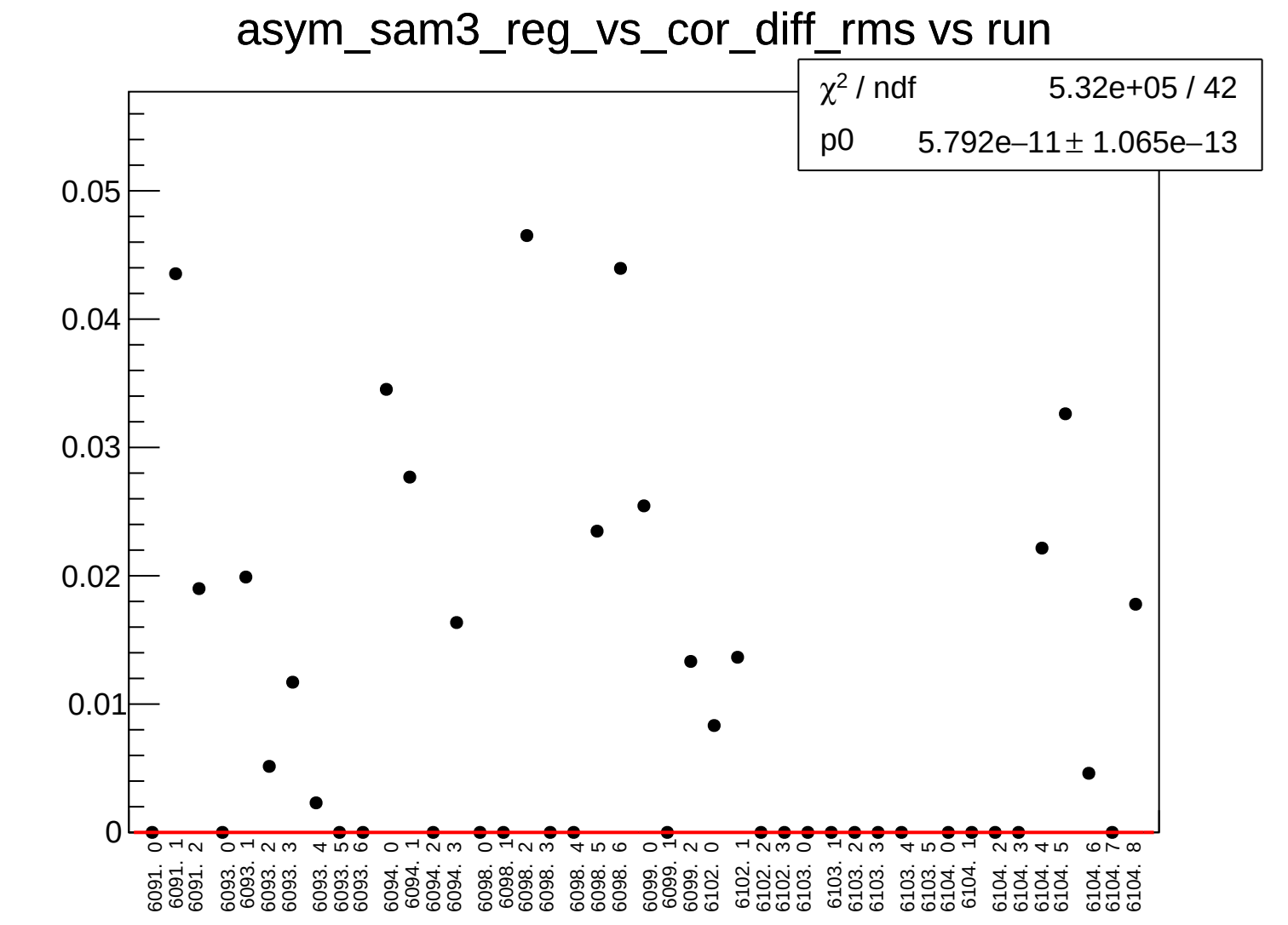

asym_sam3_mean vs run
χ² / ndf 38.77 / 42
p0 −31.75 ± 2588
60000
40000
20000
0
−20000
−40000
−60000
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 359.6
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

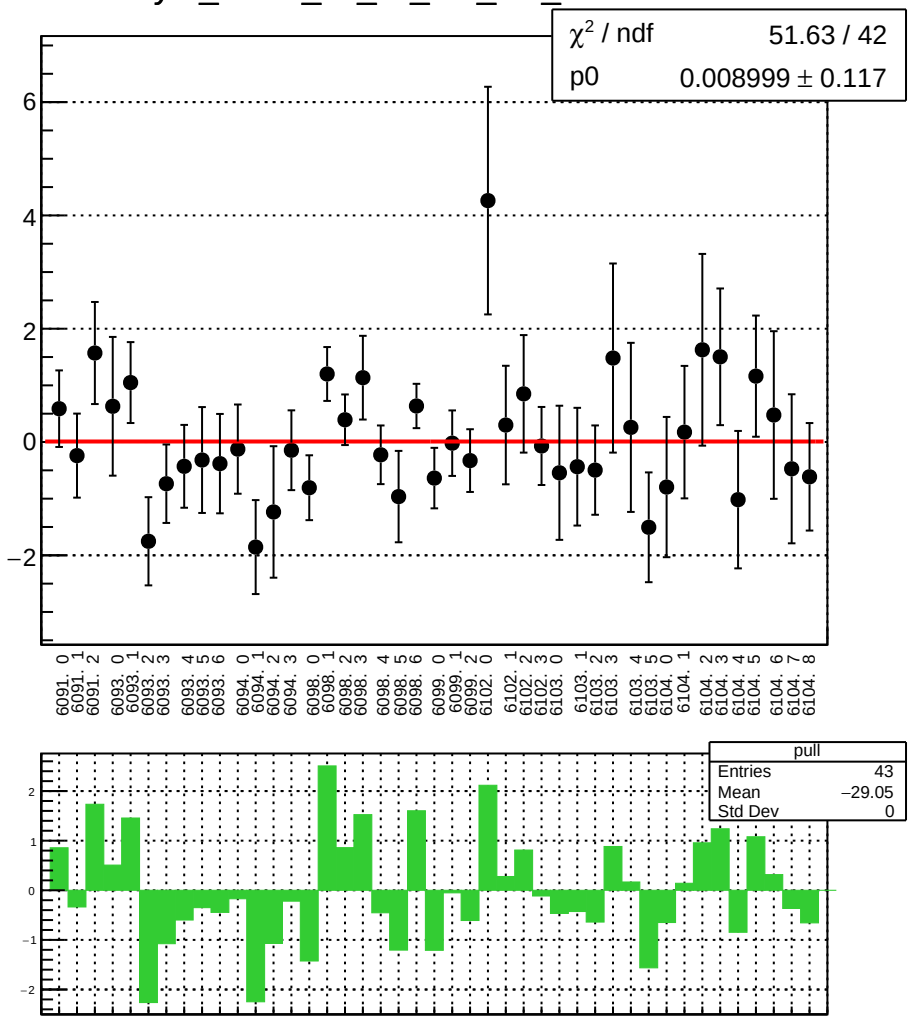

pull1D
Entries 43
Mean −0.001198
Std Dev 0.9495
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

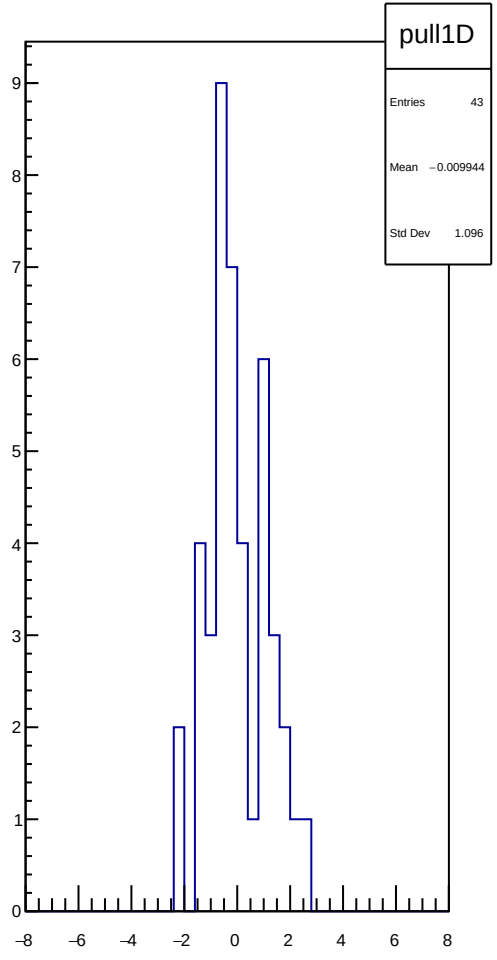

asym_sam3_rms vs run
χ² / ndf 2905 / 42
p0 1662 ± 1.83
1900
1800
1700
1600
1500
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

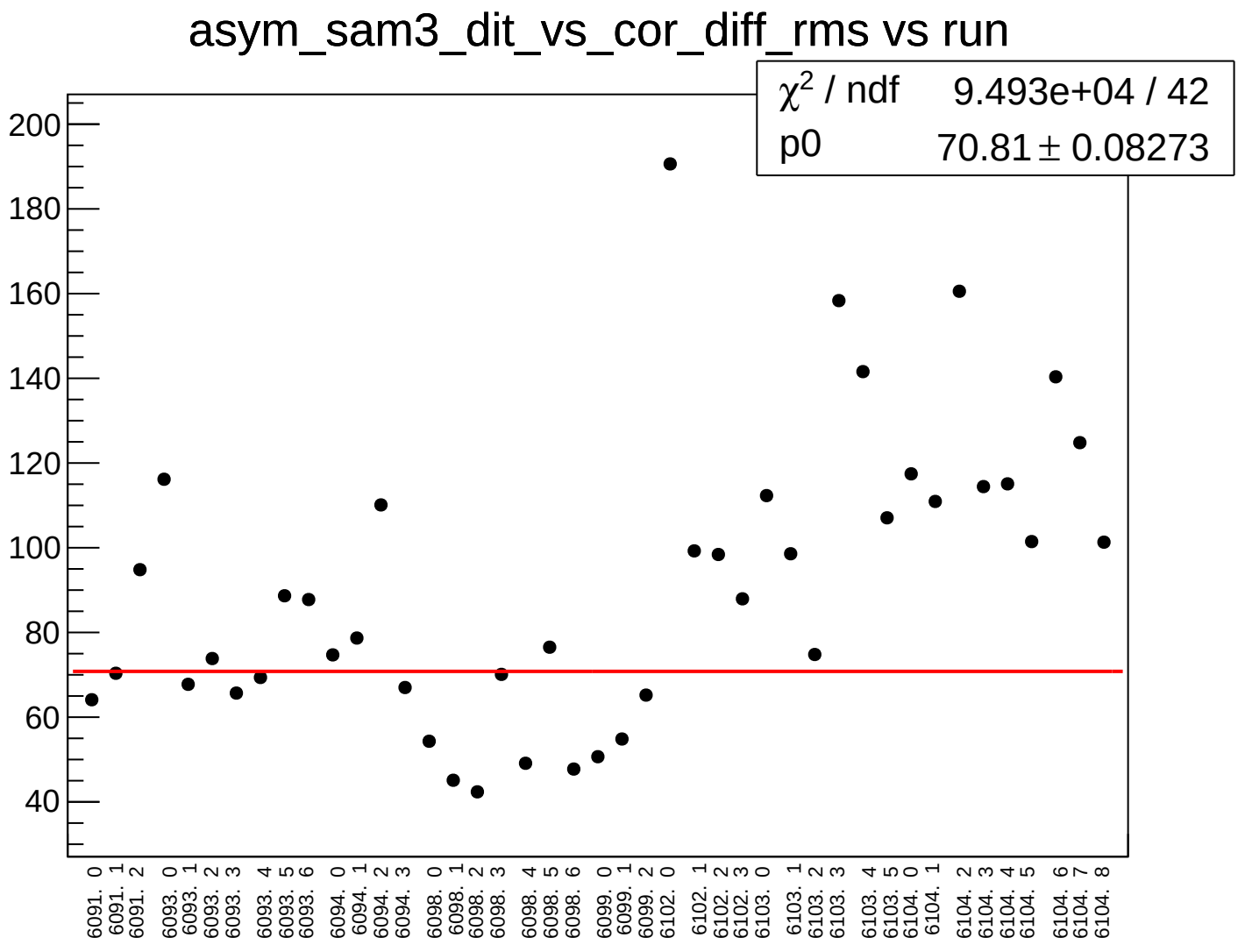

asym_sam3_reg_vs_cor_diff_mean vs run
χ² / ndf 48.63 / 42
p0 −2.545e−14 ± 1.507e−13
pull
Entries 43
Mean 14.65
Std Dev 8.756

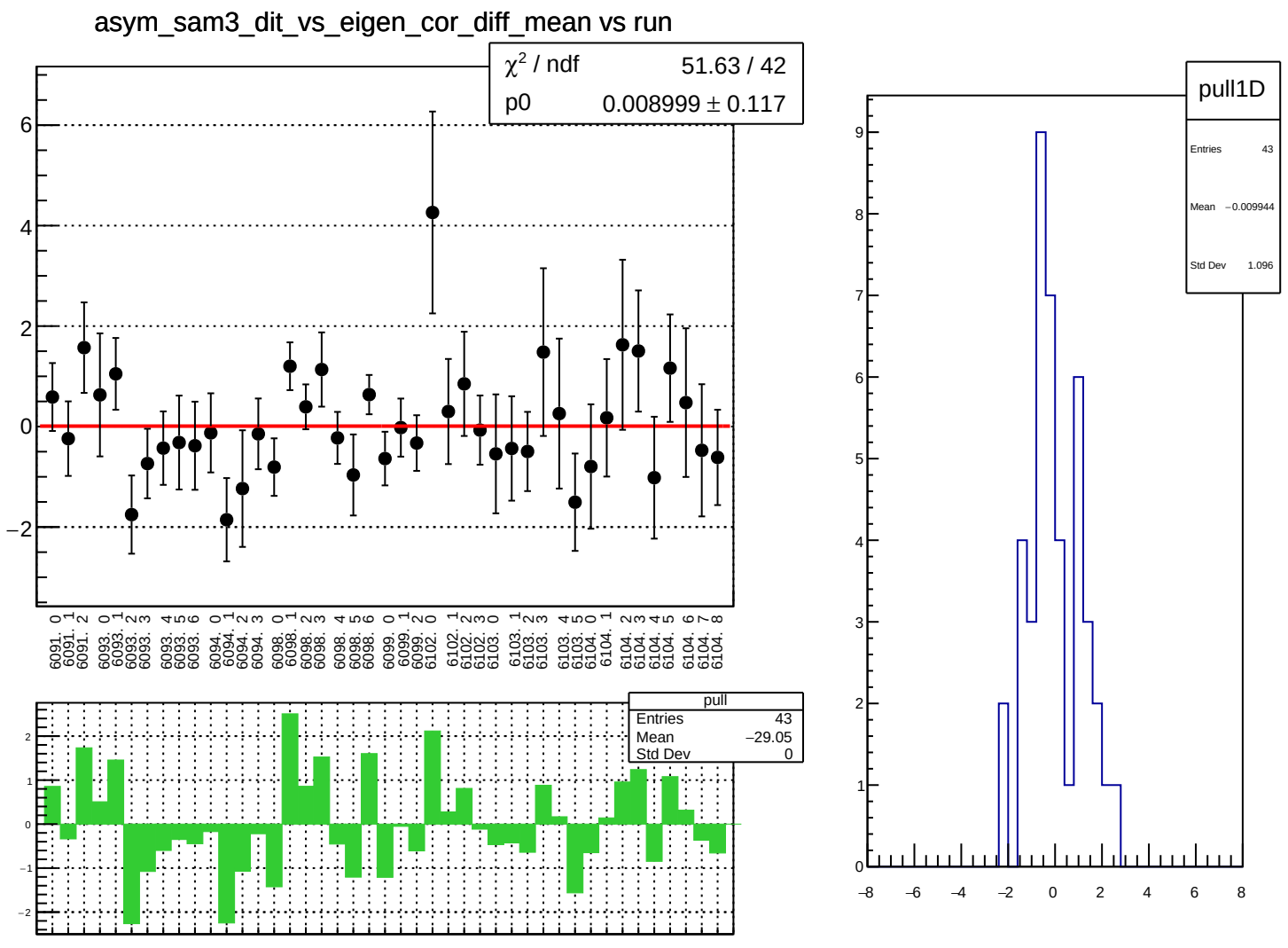

pull1D
Entries 43
Mean 0.1048
Std Dev 1.058

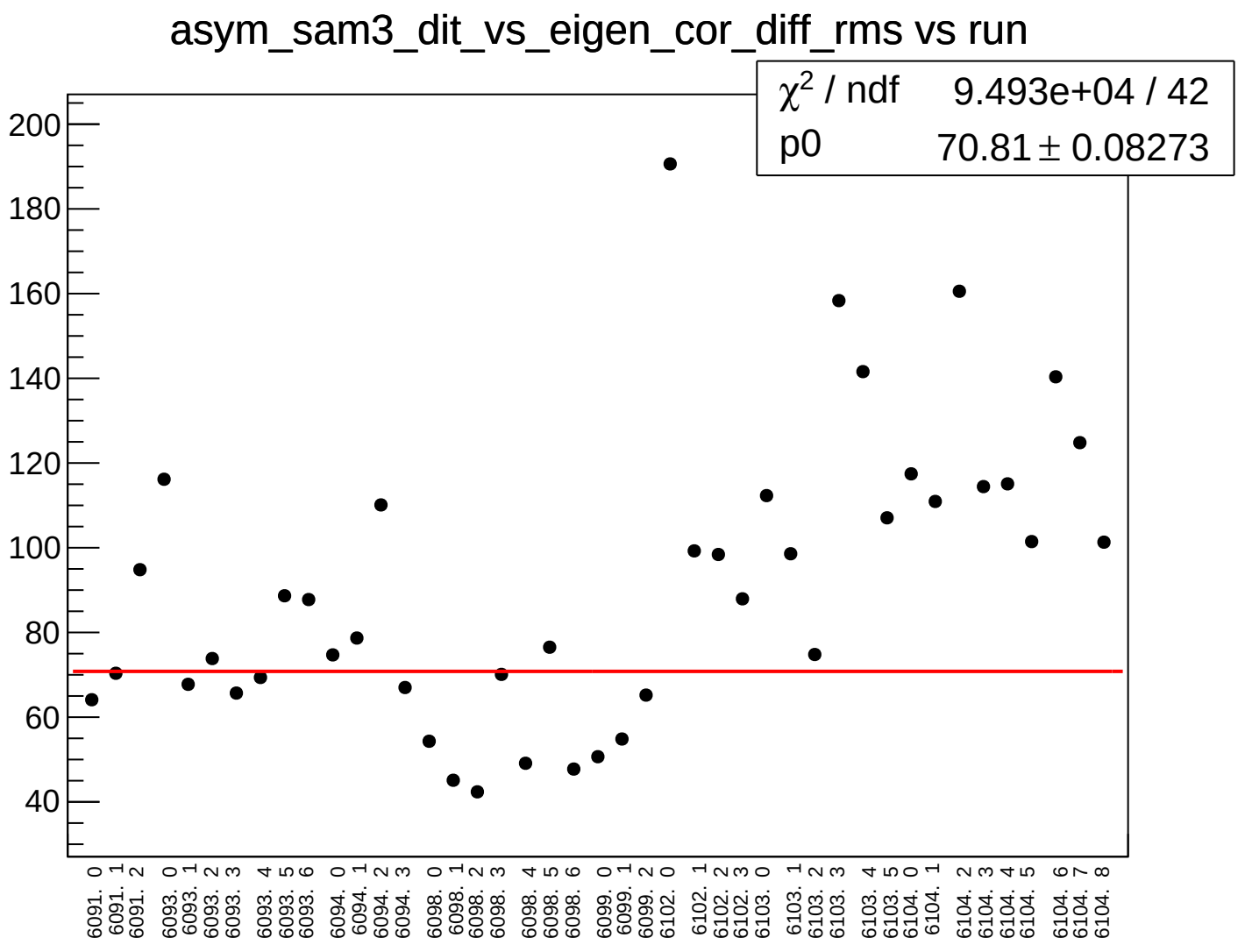

asym_sam3_reg_vs_cor_diff_rms vs run
χ² / ndf 5.32e+05 / 42
p0 5.792e−11 ± 1.065e−13
0.05
0.04
0.03
0.02
0.01
0
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

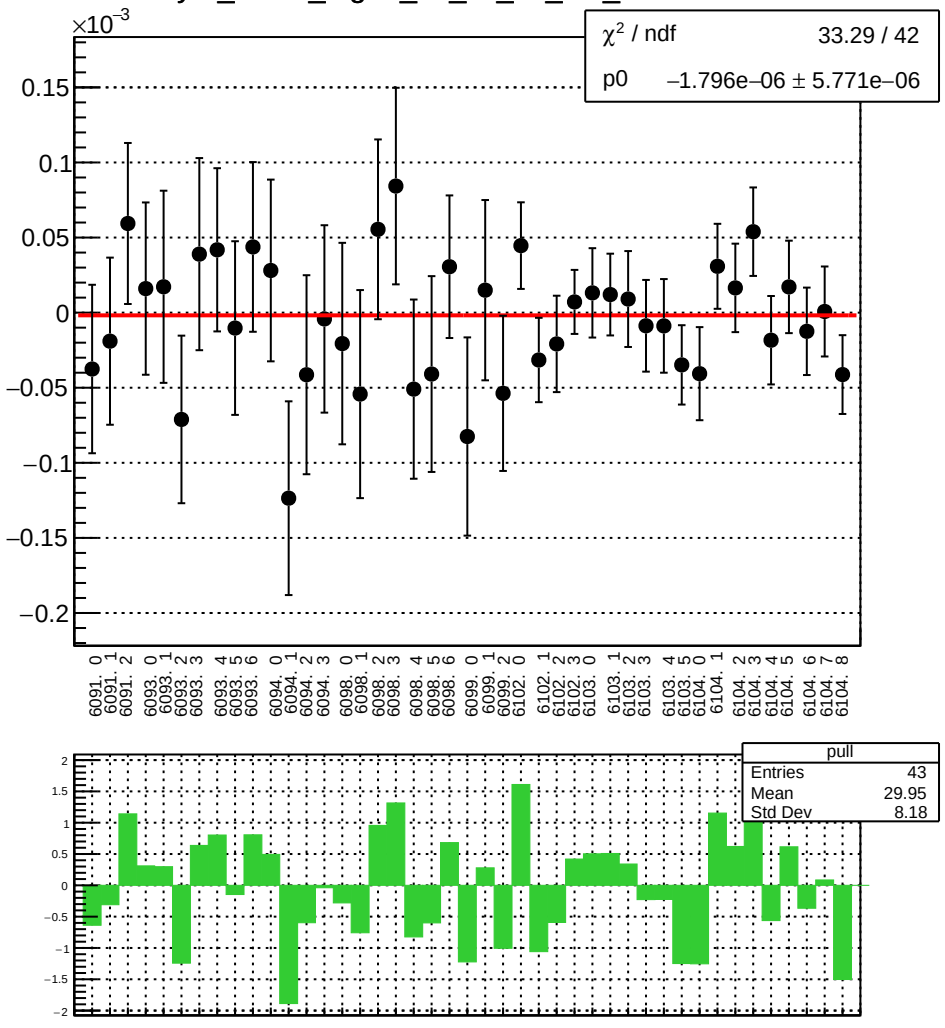

asym_sam3_dit_vs_cor_diff_mean vs run
χ² / ndf 51.63 / 42
p0 0.008999 ± 0.117
pull
Entries 43
Mean −29.05
Std Dev 0
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

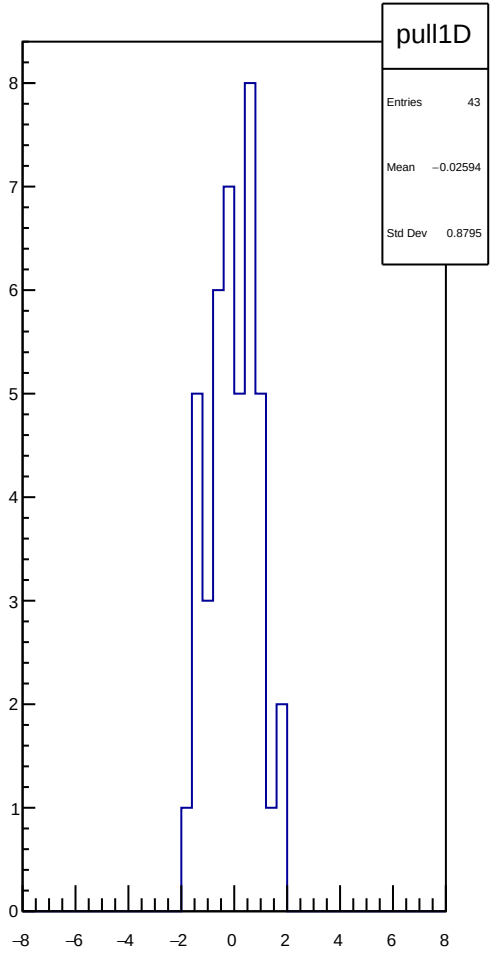

pull1D
Entries 43
Mean −0.009944
Std Dev 1.096

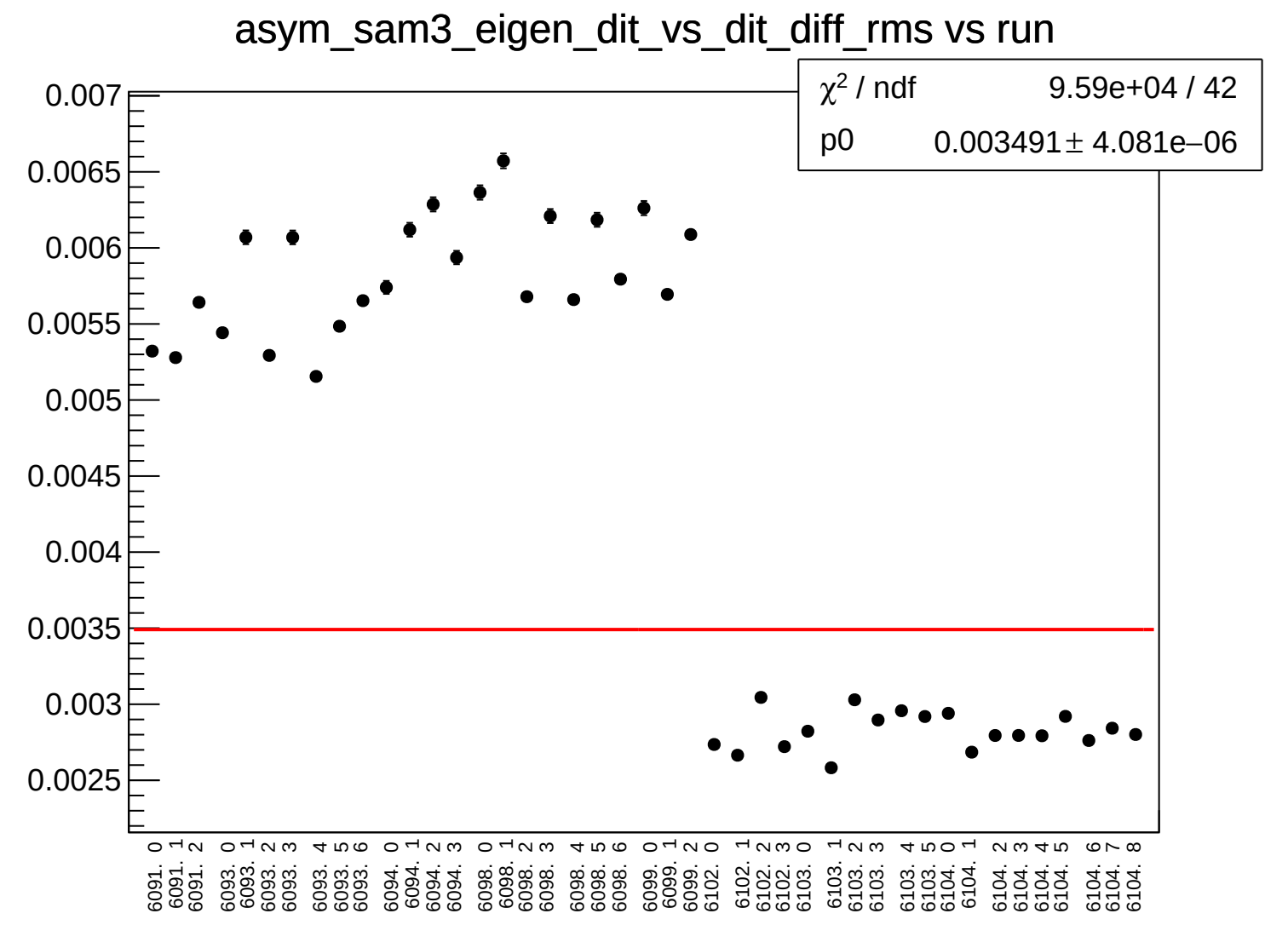

asym_sam3_dit_vs_cor_diff_rms vs run
χ² / ndf 9.493e+04 / 42
p0 70.81 ± 0.08273
200
180
160
140
120
100
80
60
40
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

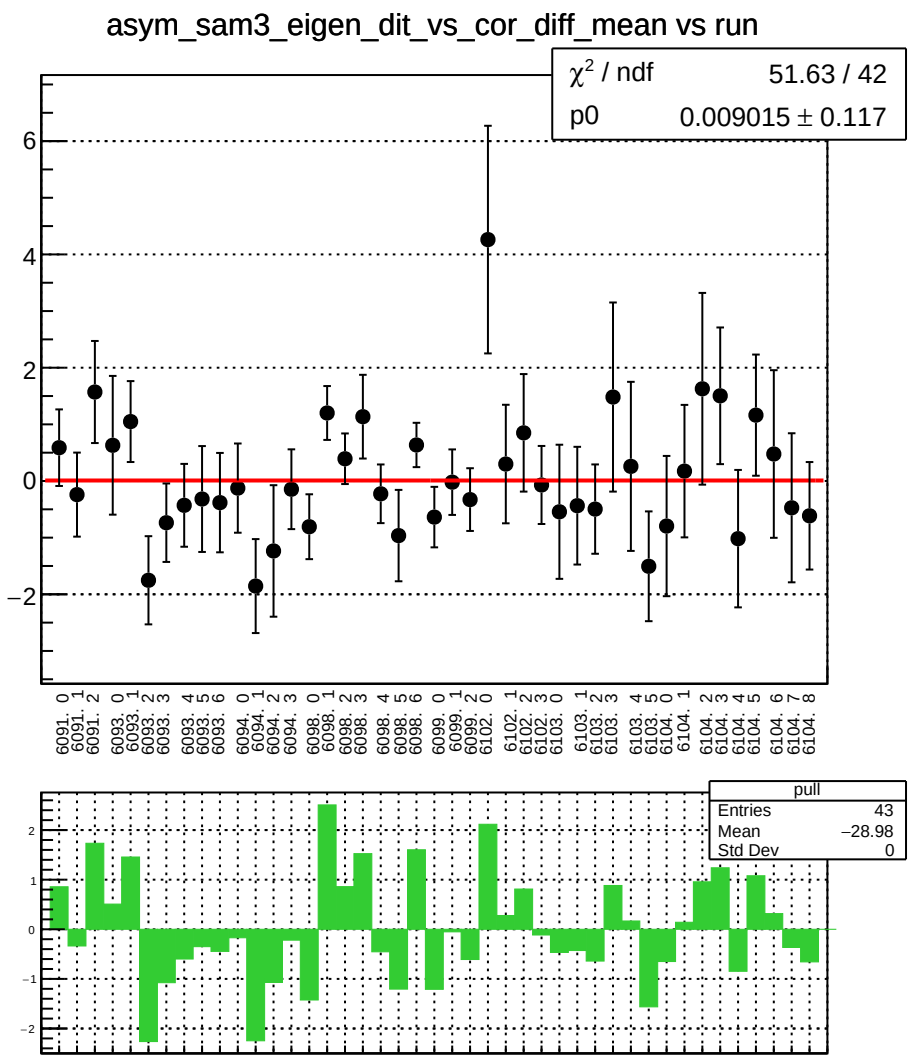

asym_sam3_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 51.63 / 42
p0 0.008999 ± 0.117
6
4
2
0
−2
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean −29.05
Std Dev 0
2
1
0
−1
−2
pull1D
Entries 43
Mean −0.009944
Std Dev 1.096
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

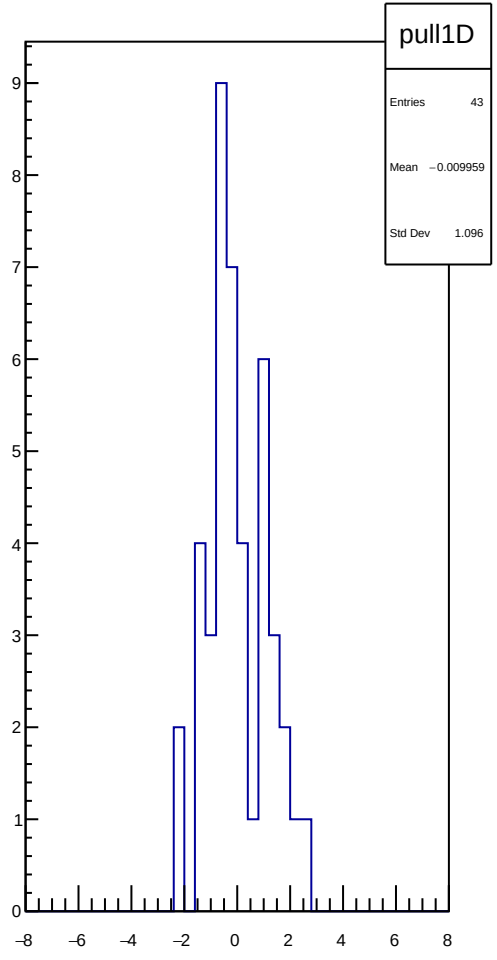

asym_sam3_dit_vs_eigen_cor_diff_rms vs run
χ^2 / ndf 9.493e+04 / 42
p0 70.81 ± 0.08273
200
180
160
140
120
100
80
60
40
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

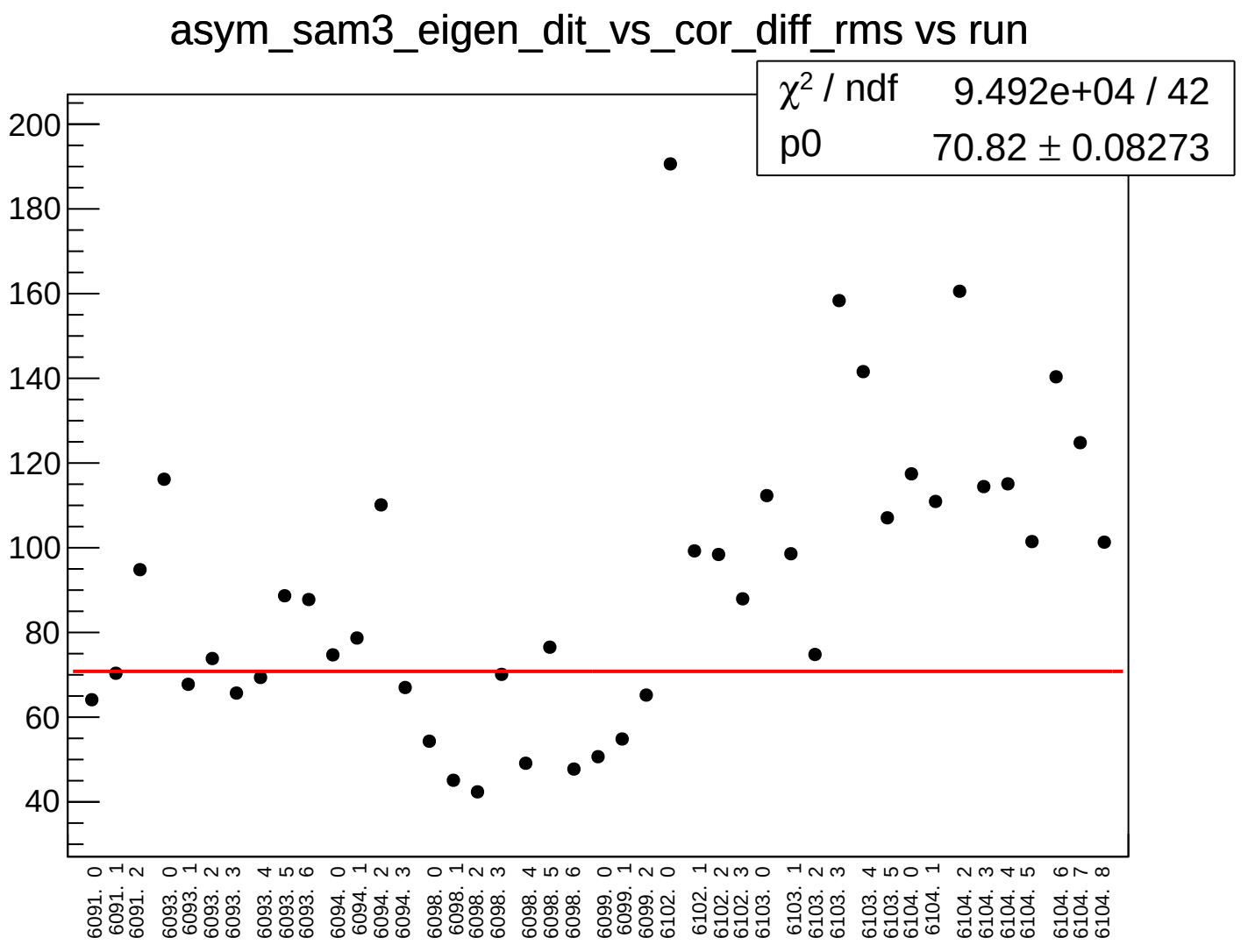

asym_sam3_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 33.29 / 42
p0 −1.796e−06 ± 5.771e−06
pull
Entries 43
Mean 29.95
Std Dev 8.18

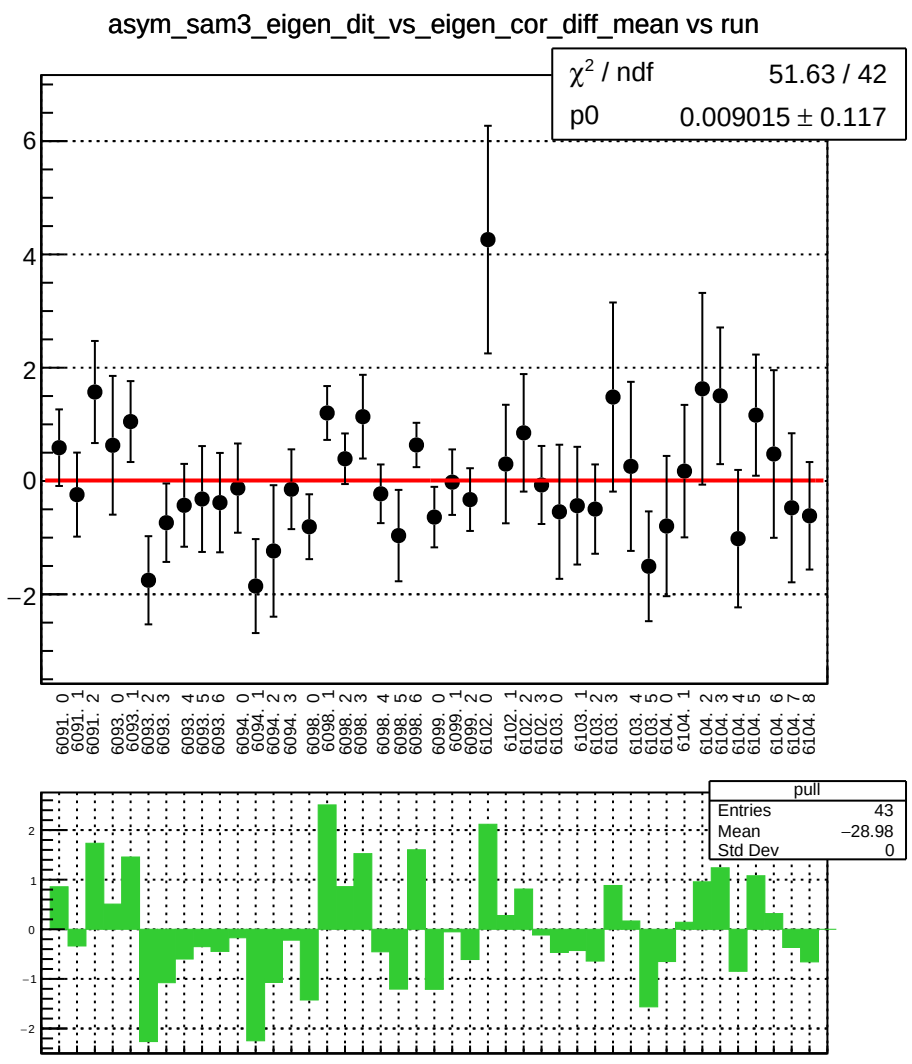

pull1D
Entries 43
Mean −0.02594
Std Dev 0.8795

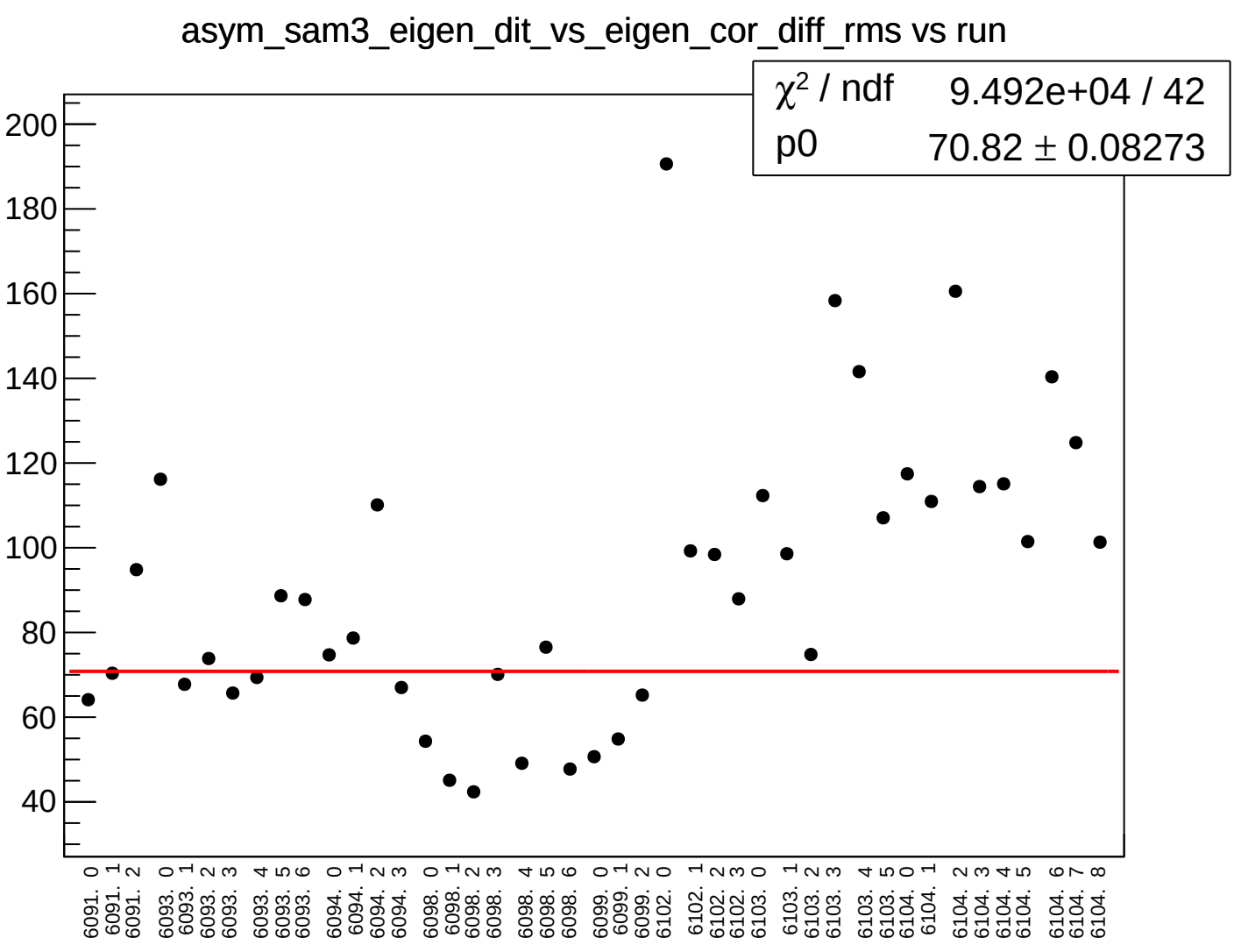

asym_sam3_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 9.59e+04 / 42
p0 0.003491 ± 4.081e−06
0.007
0.0065
0.006
0.0055
0.005
0.0045
0.004
0.0035
0.003
0.0025
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

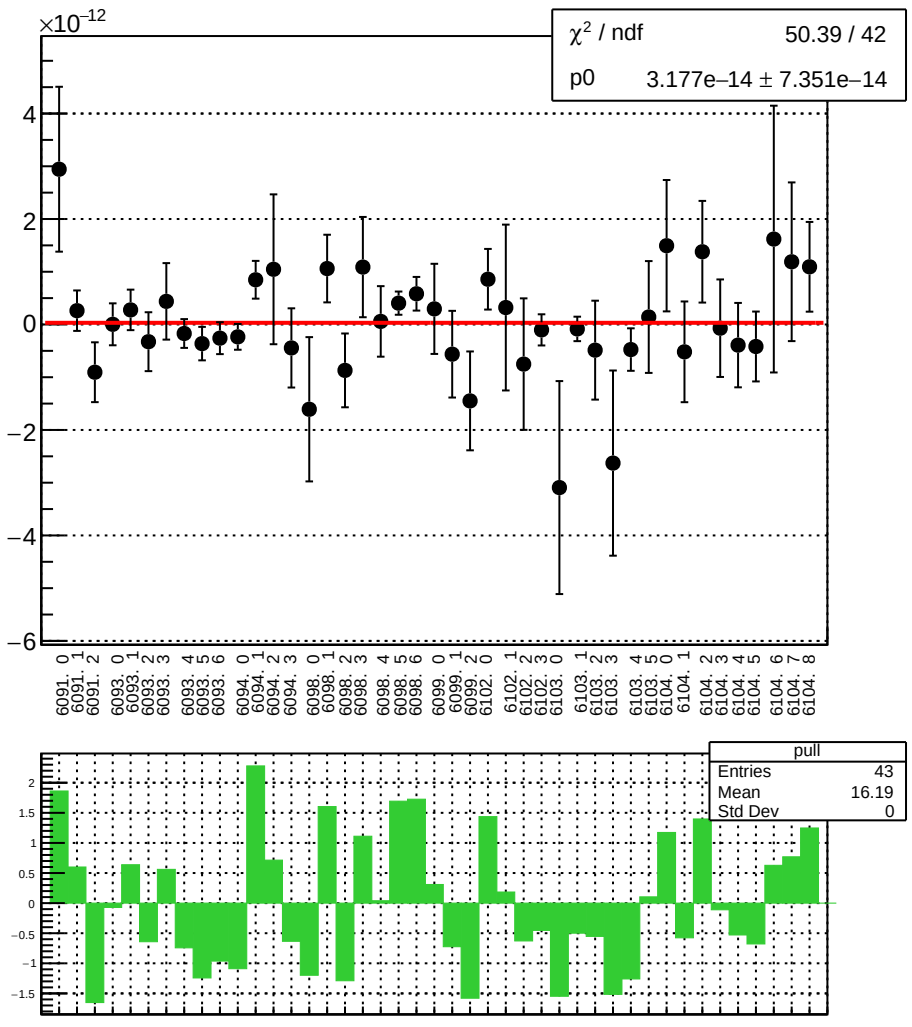

asym_sam3_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 51.63 / 42
p0 0.009015 ± 0.117
pull
Entries 43
Mean −28.98
Std Dev 0

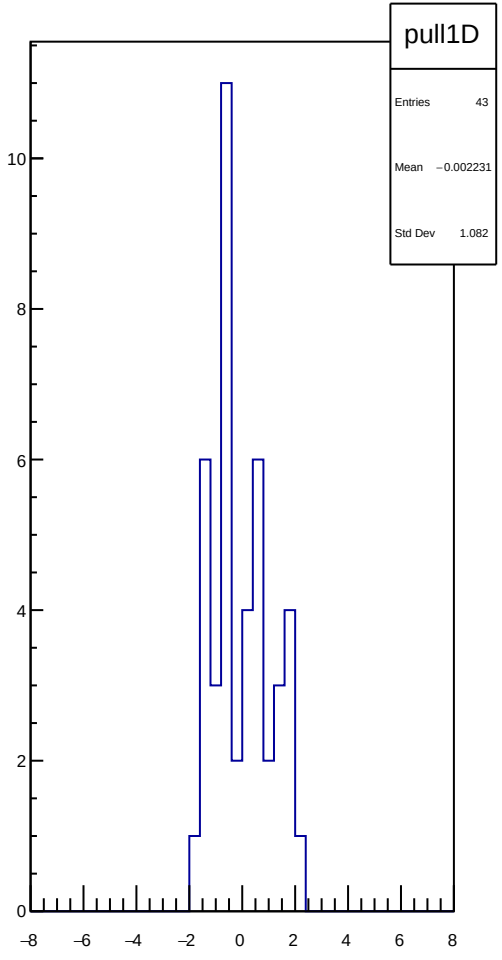

pull1D
Entries 43
Mean −0.009959
Std Dev 1.096

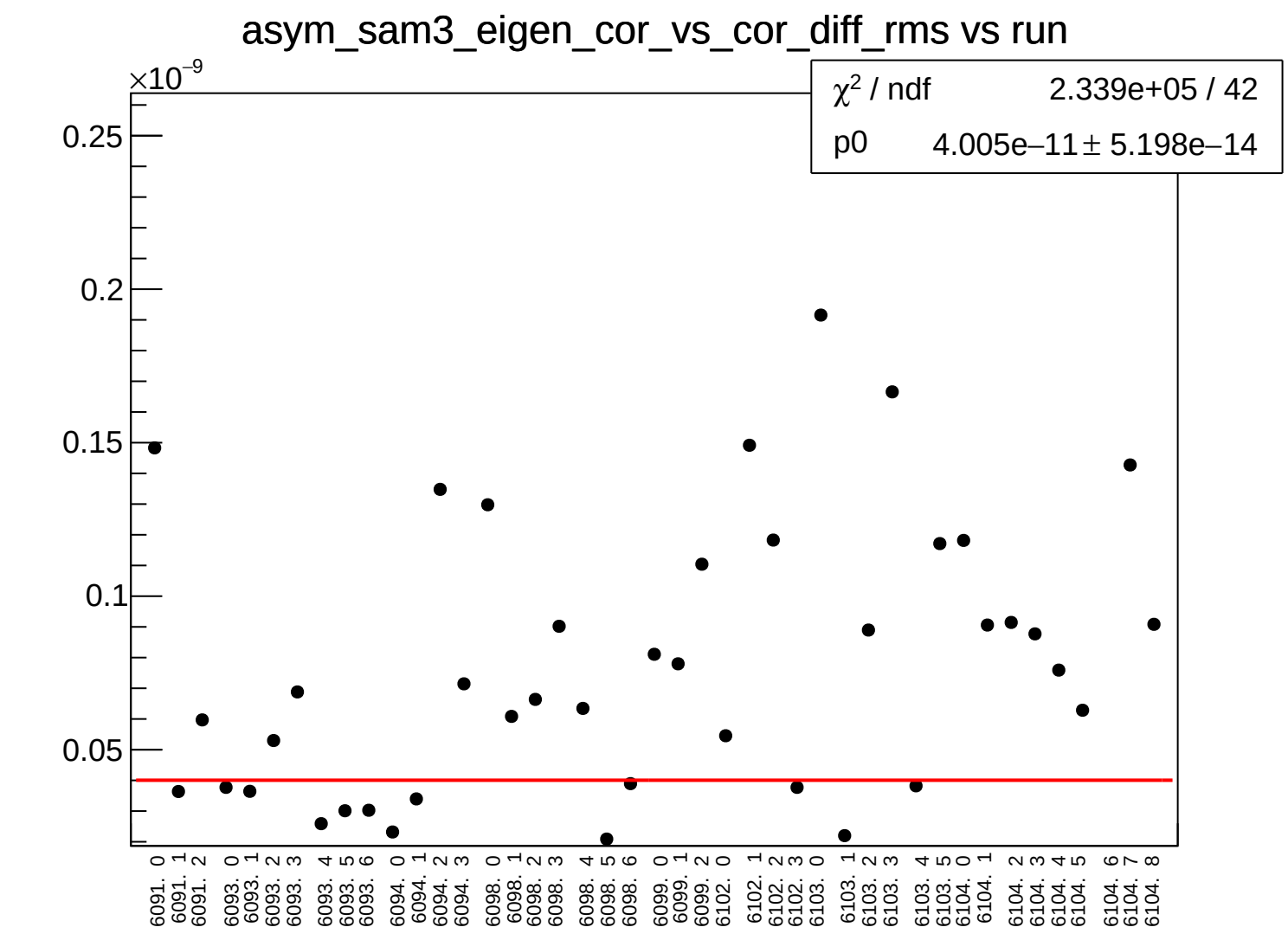

asym_sam3_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 9.492e+04 / 42
p0 70.82 ± 0.08273
200
180
160
140
120
100
80
60
40
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

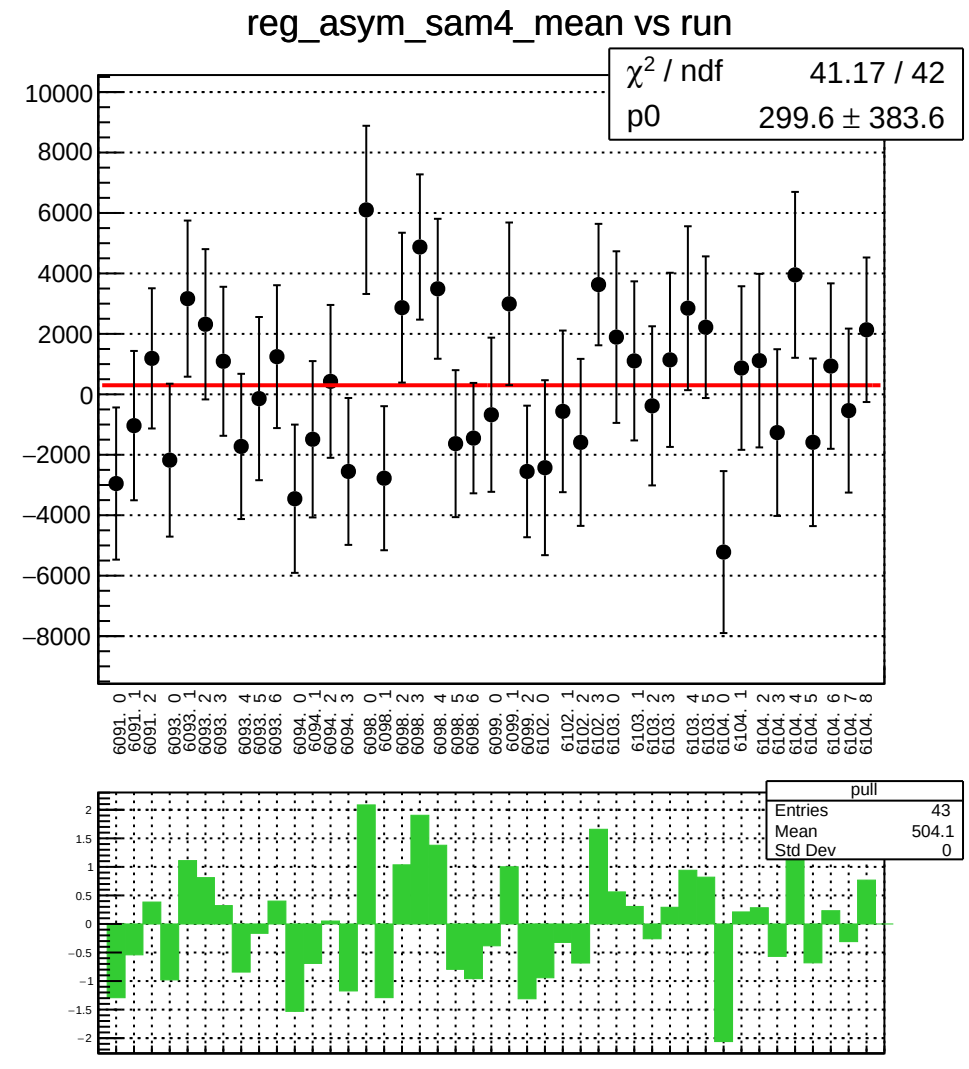

asym_sam3_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 51.63 / 42
p0 0.009015 ± 0.117
6
4
2
0
−2
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean −28.98
Std Dev 0
2
1
0
−1
−2
pull1D
Entries 43
Mean −0.009959
Std Dev 1.096
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

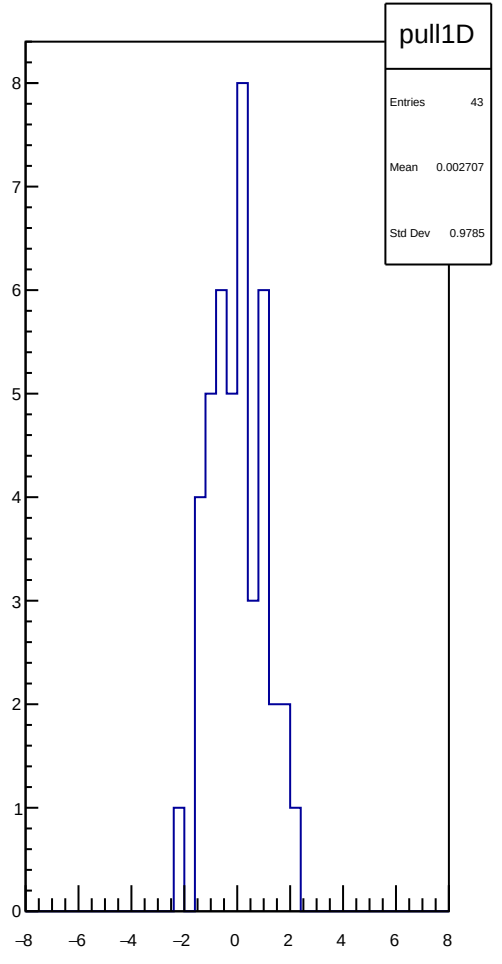

asym_sam3_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 9.492e+04 / 42
p0 70.82 ± 0.08273
200
180
160
140
120
100
80
60
40
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

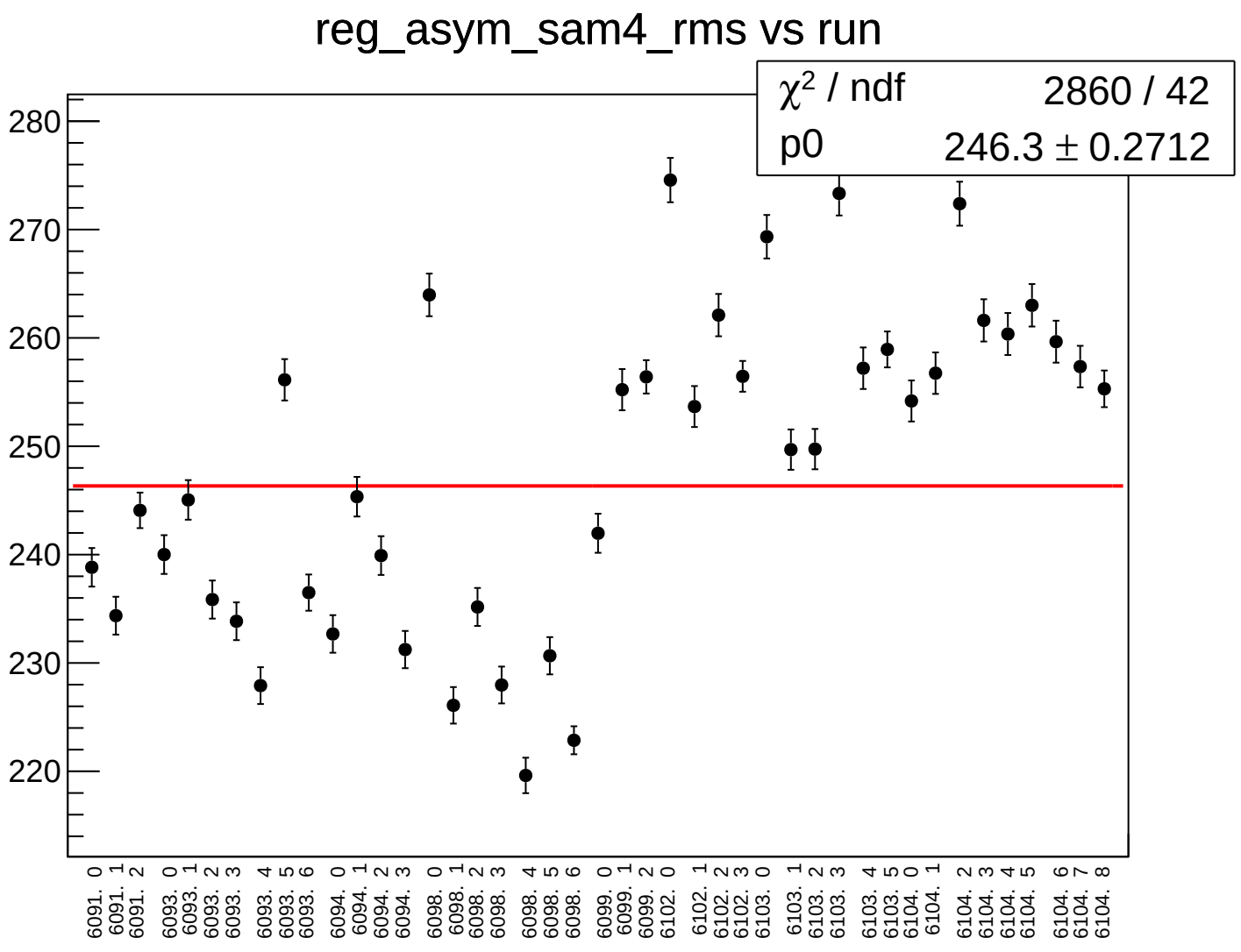

asym_sam3_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 50.39 / 42
p0 3.177e−14 ± 7.351e−14
4
2
0
−2
−4
−6
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 16.19
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5

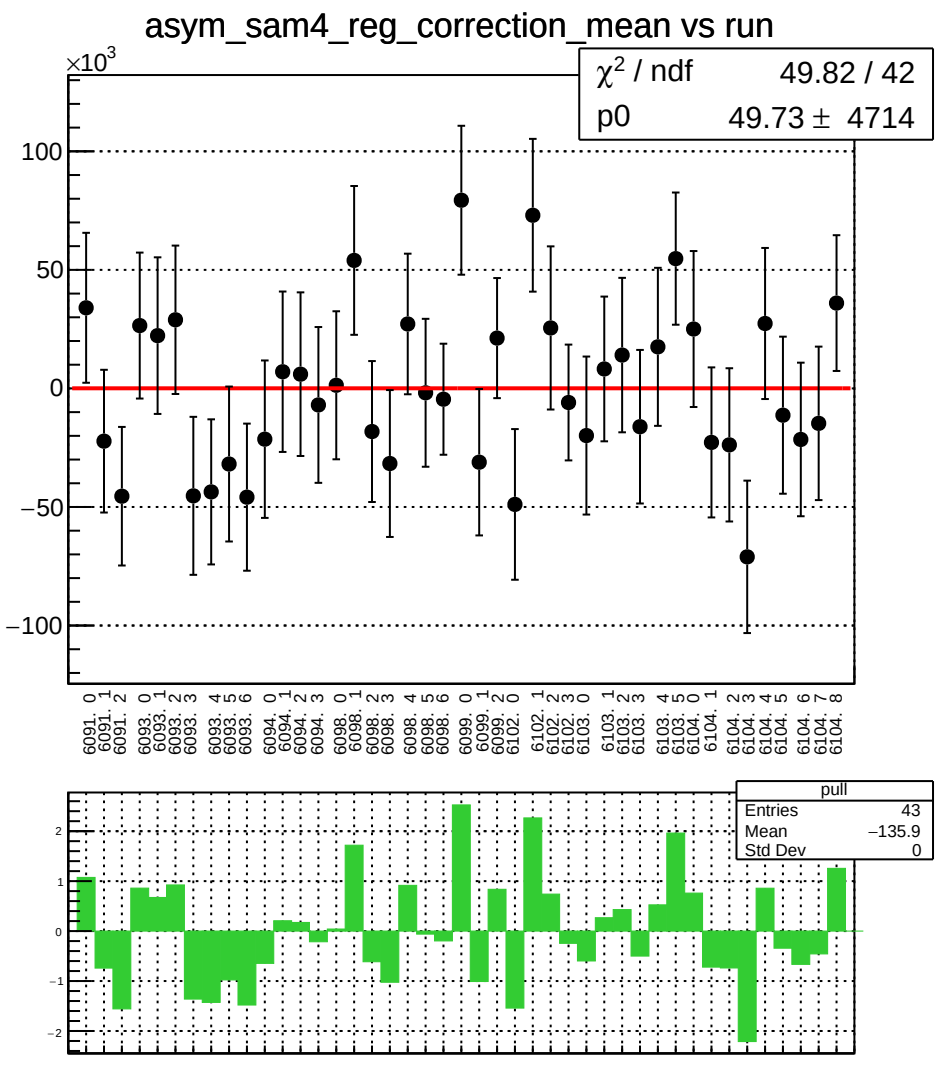

pull1D
Entries 43
Mean −0.002231
Std Dev 1.082
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

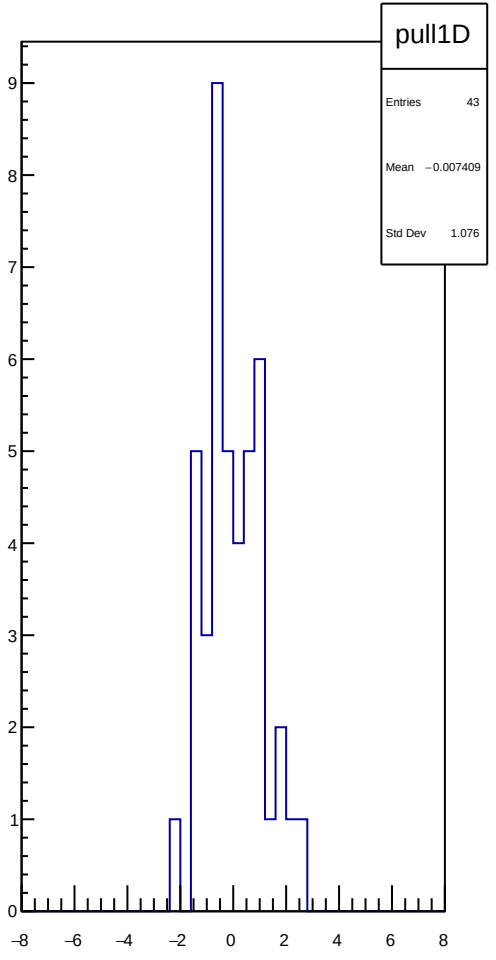

asym_sam3_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 2.339e+05 / 42
p0 4.005e−11 ± 5.198e−14
0.25
0.2
0.15
0.1
0.05
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

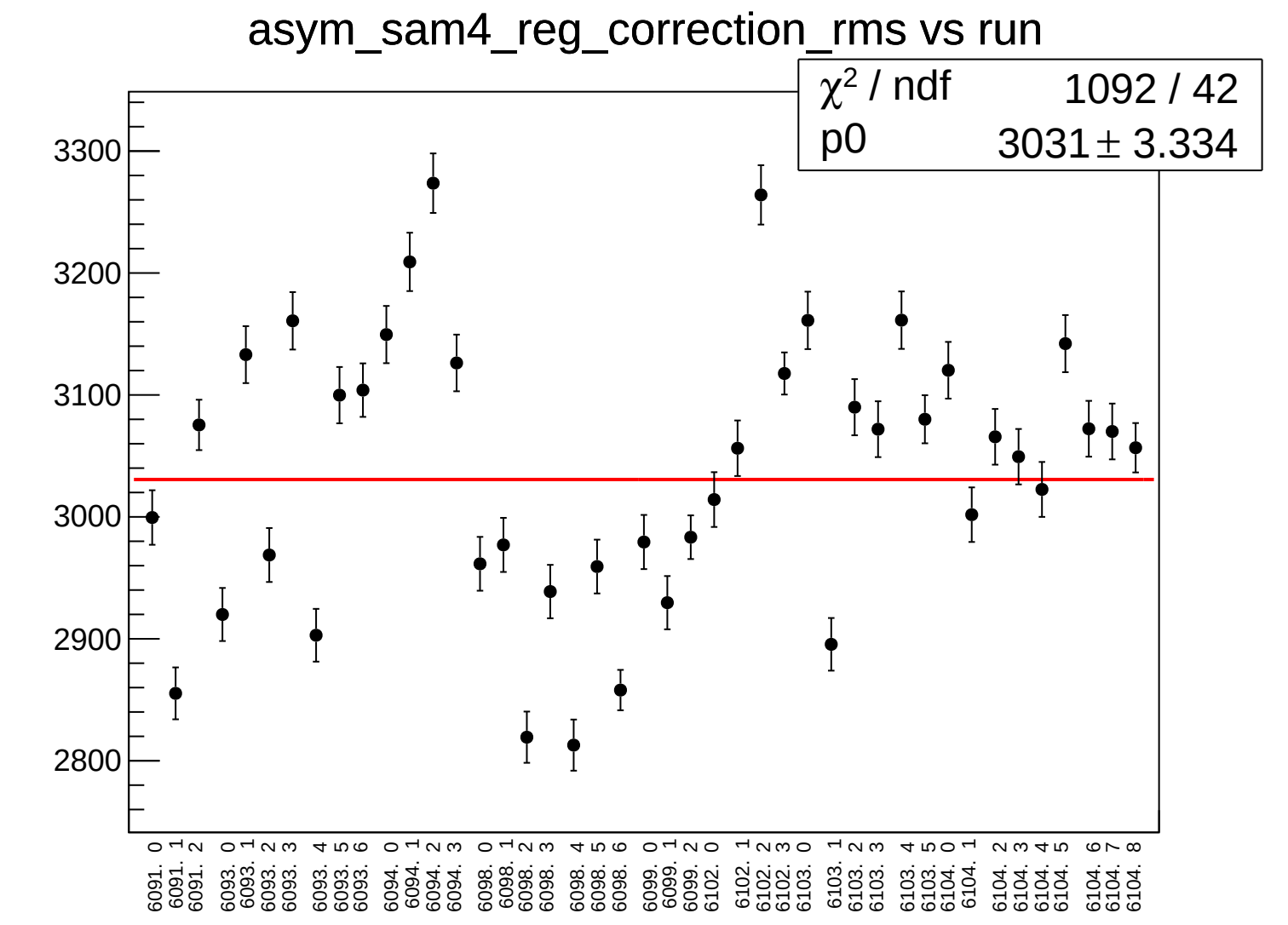

reg_asym_sam4_mean vs run
χ^2 / ndf 41.17 / 42
p0 299.6 ± 383.6
10000
8000
6000
4000
2000
0
−2000
−4000
−6000
−8000
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 504.1
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

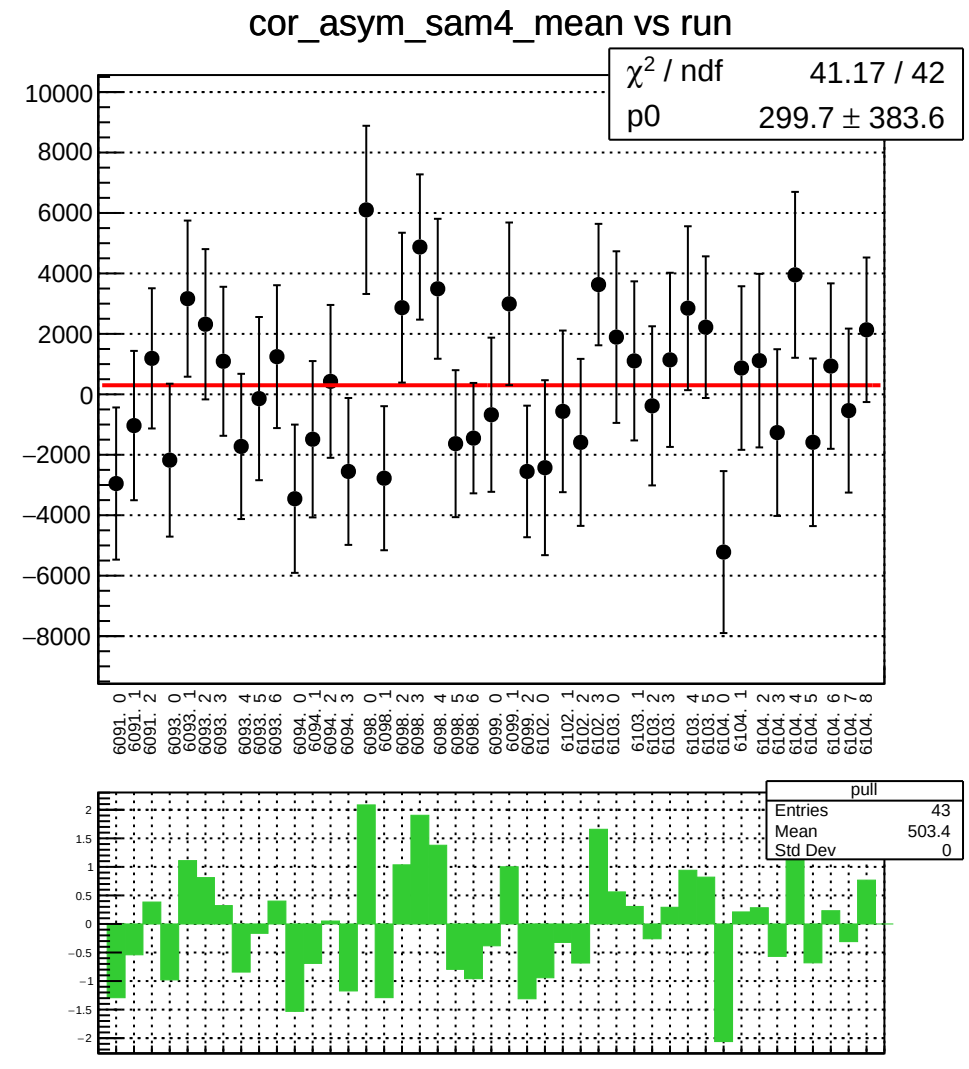

pull1D
Entries 43
Mean 0.002707
Std Dev 0.9785
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

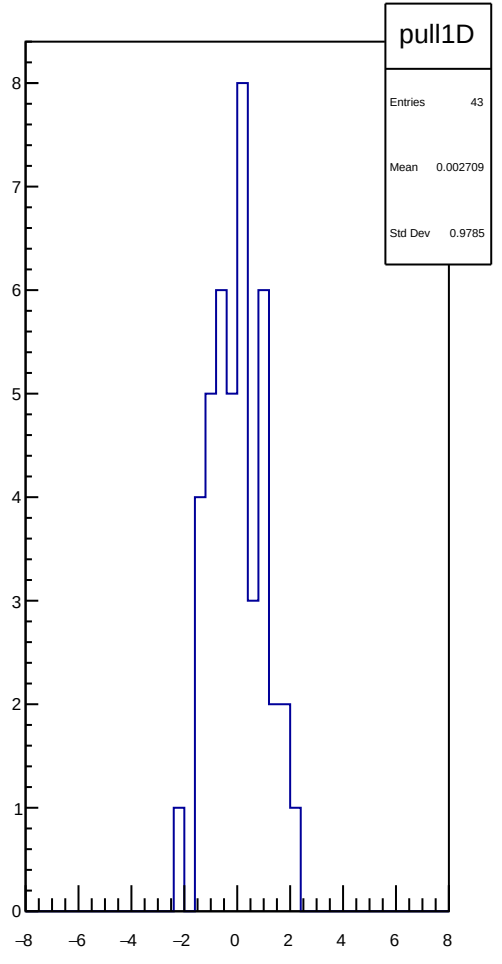

reg_asym_sam4_rms vs run
χ^2 / ndf 2860 / 42
p0 246.3 ± 0.2712
280
270
260
250
240
230
220
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

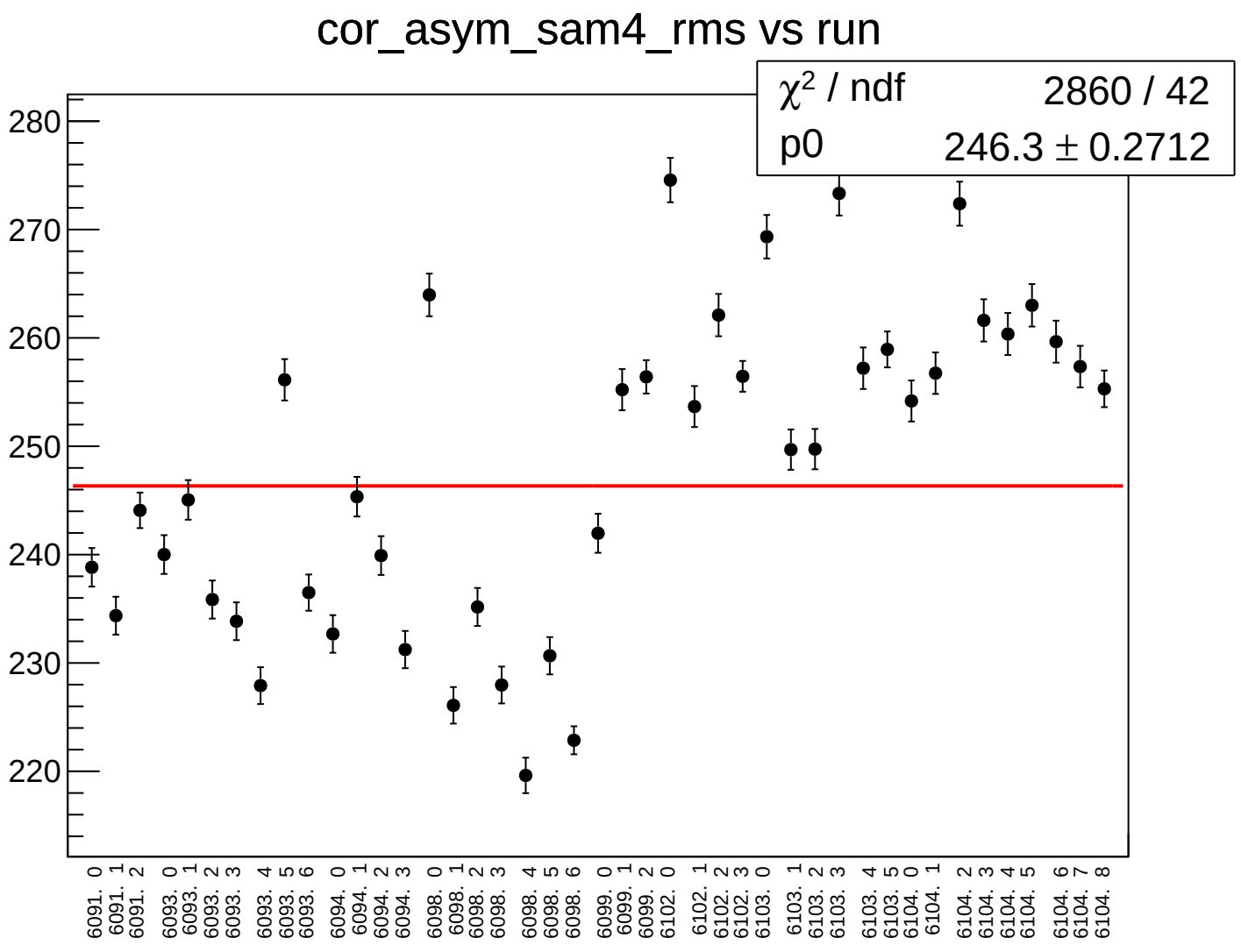

asym_sam4_reg_correction_mean vs run
×10^3
χ² / ndf 49.82 / 42
p0 49.73 ± 4714
100
50
0
−50
−100
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean −135.9
Std Dev 0
2
1
0
−1
−2

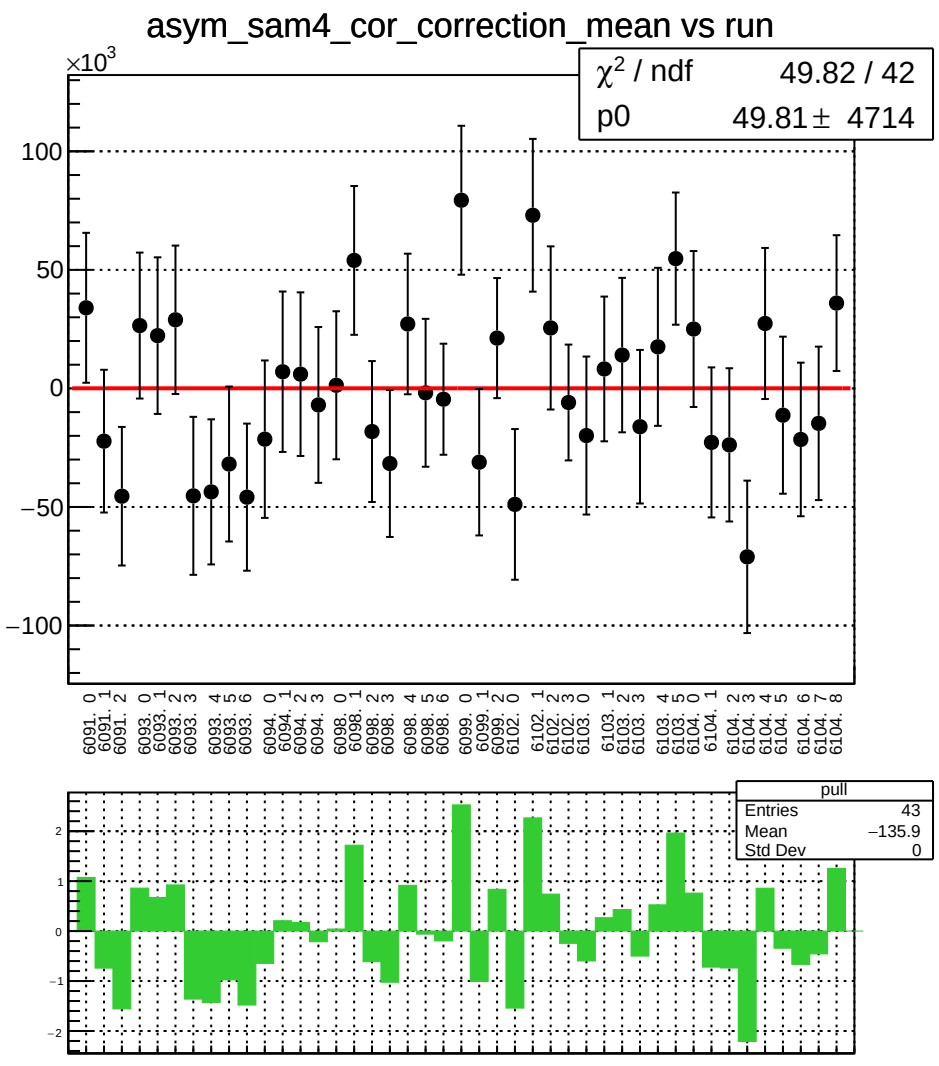

pull1D
Entries 43
Mean −0.007409
Std Dev 1.076
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

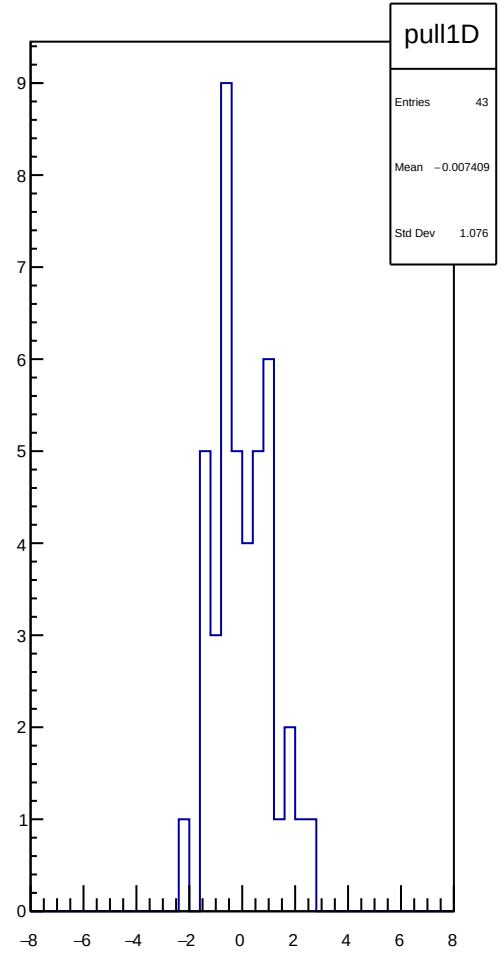

asym_sam4_reg_correction_rms vs run
χ² / ndf 1092 / 42
p0 3031 ± 3.334
3300
3200
3100
3000
2900
2800
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

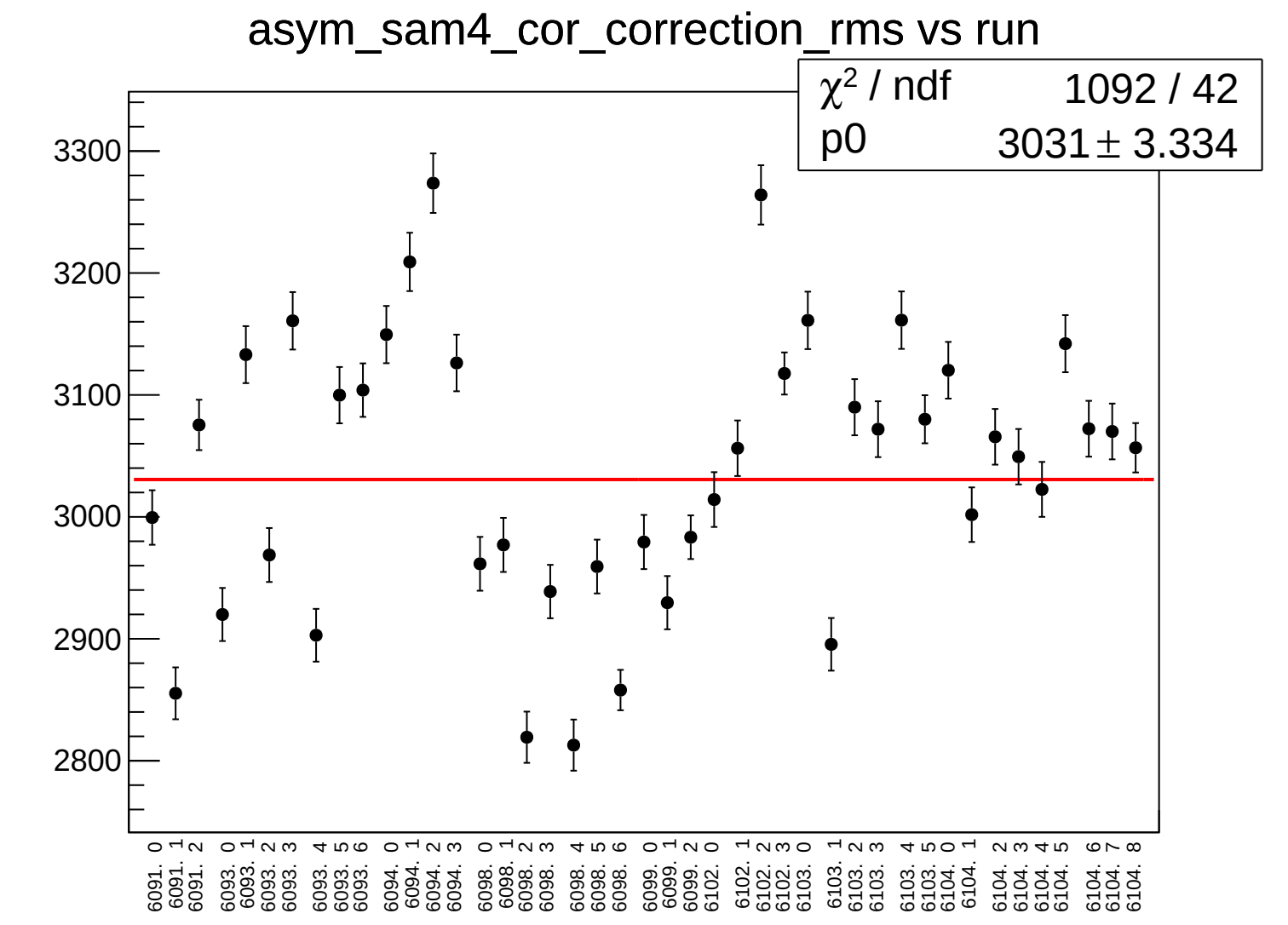

cor_asym_sam4_mean vs run
χ^2 / ndf 41.17 / 42
p0 299.7 ± 383.6
10000
8000
6000
4000
2000
0
−2000
−4000
−6000
−8000
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 503.4
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

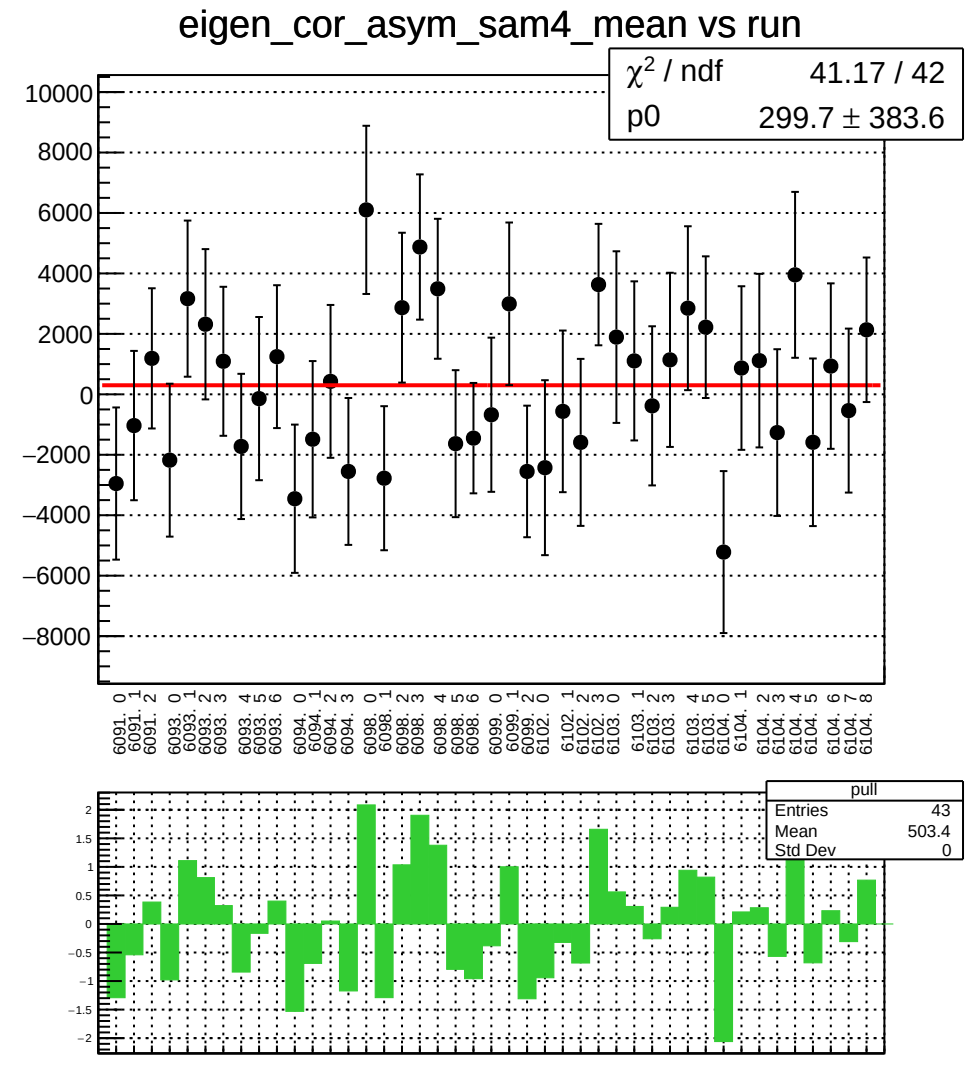

pull1D
Entries 43
Mean 0.002709
Std Dev 0.9785
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


cor_asym_sam4_rms vs run
χ² / ndf 2860 / 42
p0 246.3 ± 0.2712
280
270
260
250
240
230
220
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8


asym_sam4_cor_correction_mean vs run
×10^3
χ² / ndf 49.82 / 42
p0 49.81 ± 4714
100
50
0
−50
−100
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean −135.9
Std Dev 0
2
1
0
−1
−2


pull1D
Entries 43
Mean −0.007409
Std Dev 1.076
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


asym_sam4_cor_correction_rms vs run
χ² / ndf 1092 / 42
p0 3031 ± 3.334
3300
3200
3100
3000
2900
2800
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8


eigen_cor_asym_sam4_mean vs run
χ^2 / ndf 41.17 / 42
p0 299.7 ± 383.6
10000
8000
6000
4000
2000
0
−2000
−4000
−6000
−8000
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
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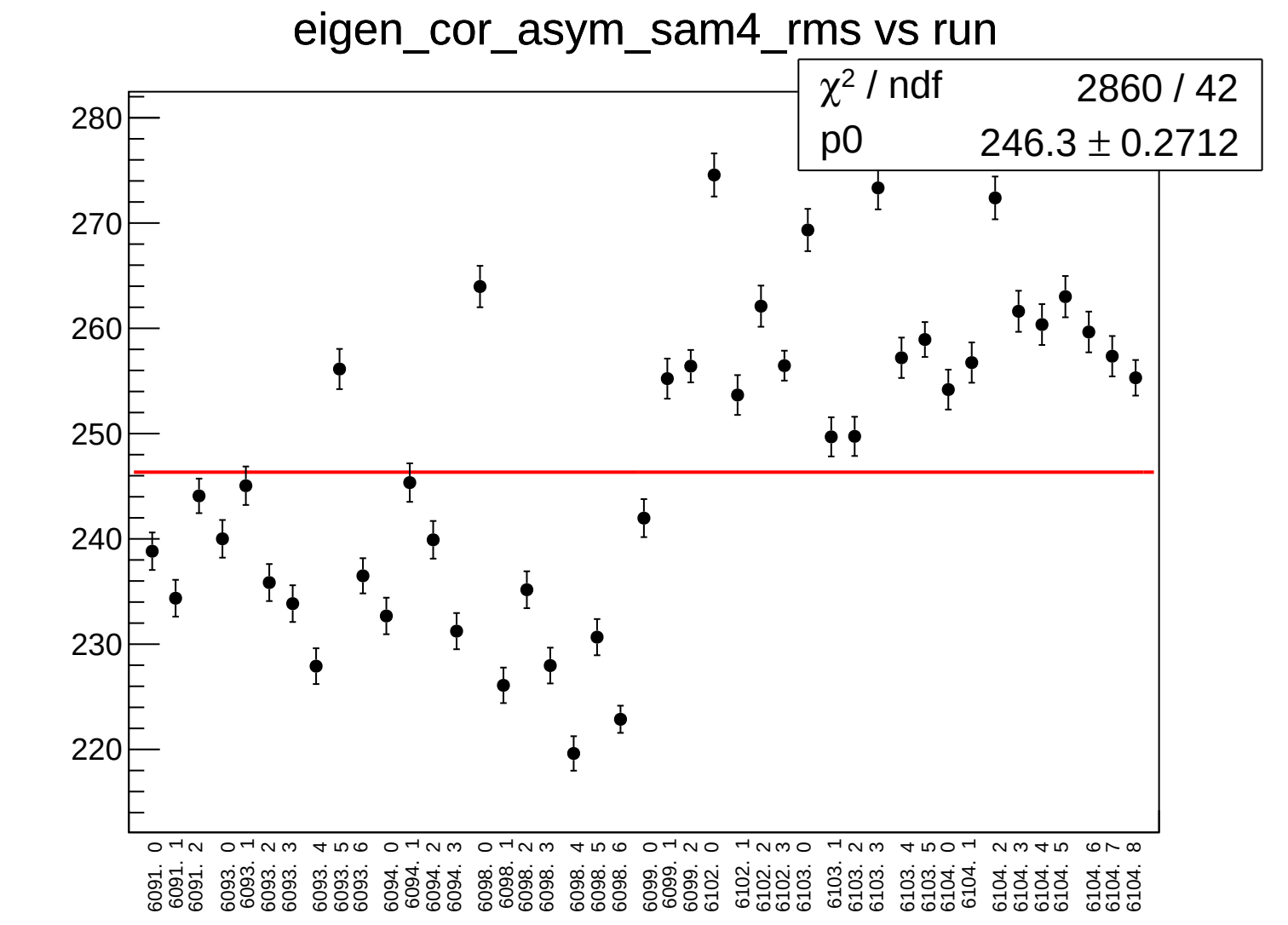
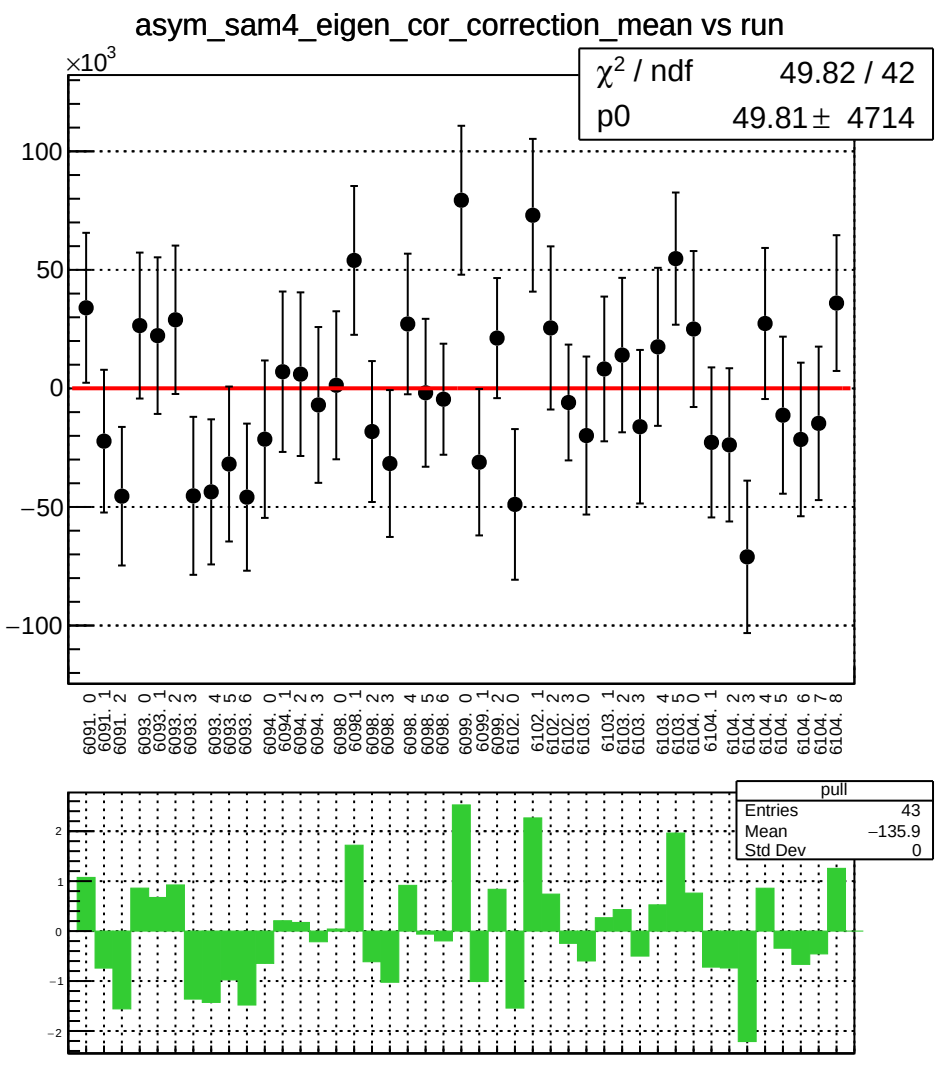
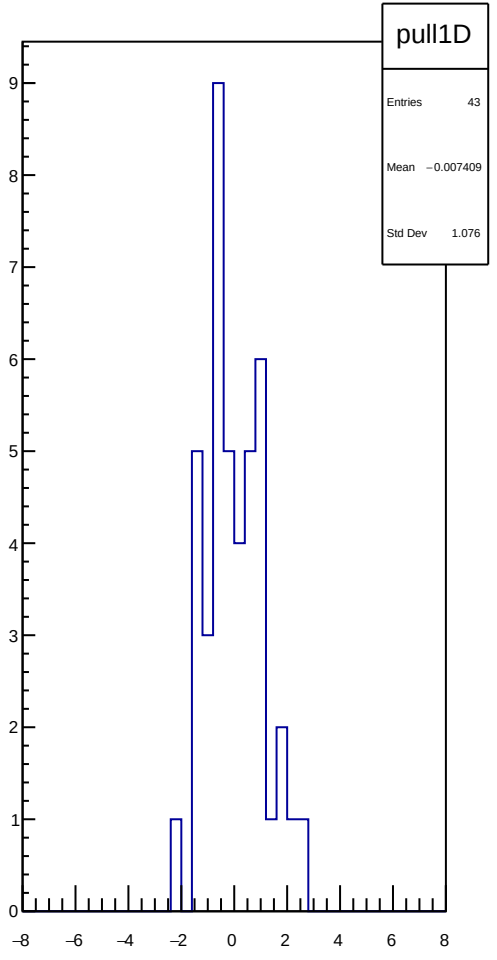
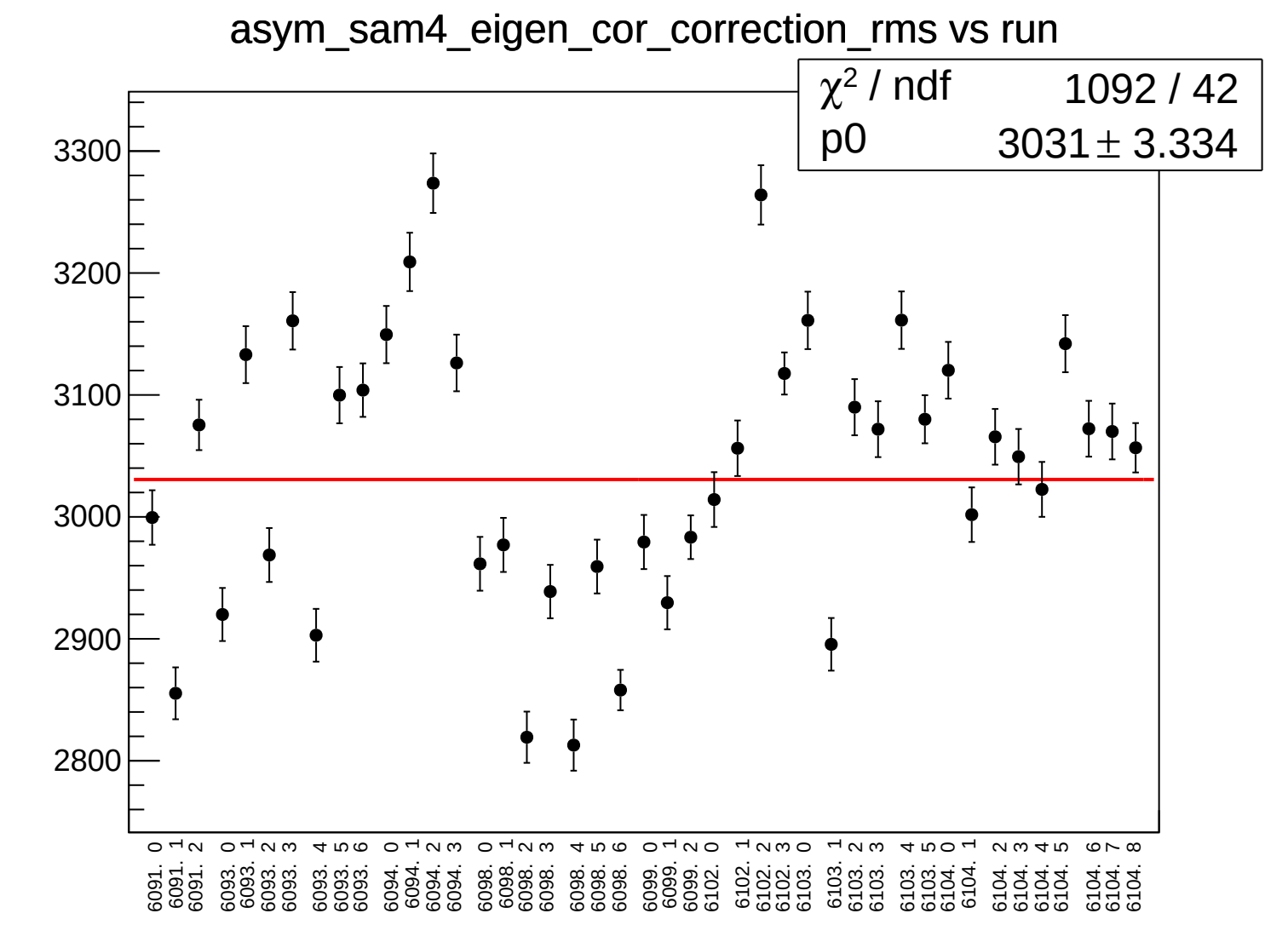
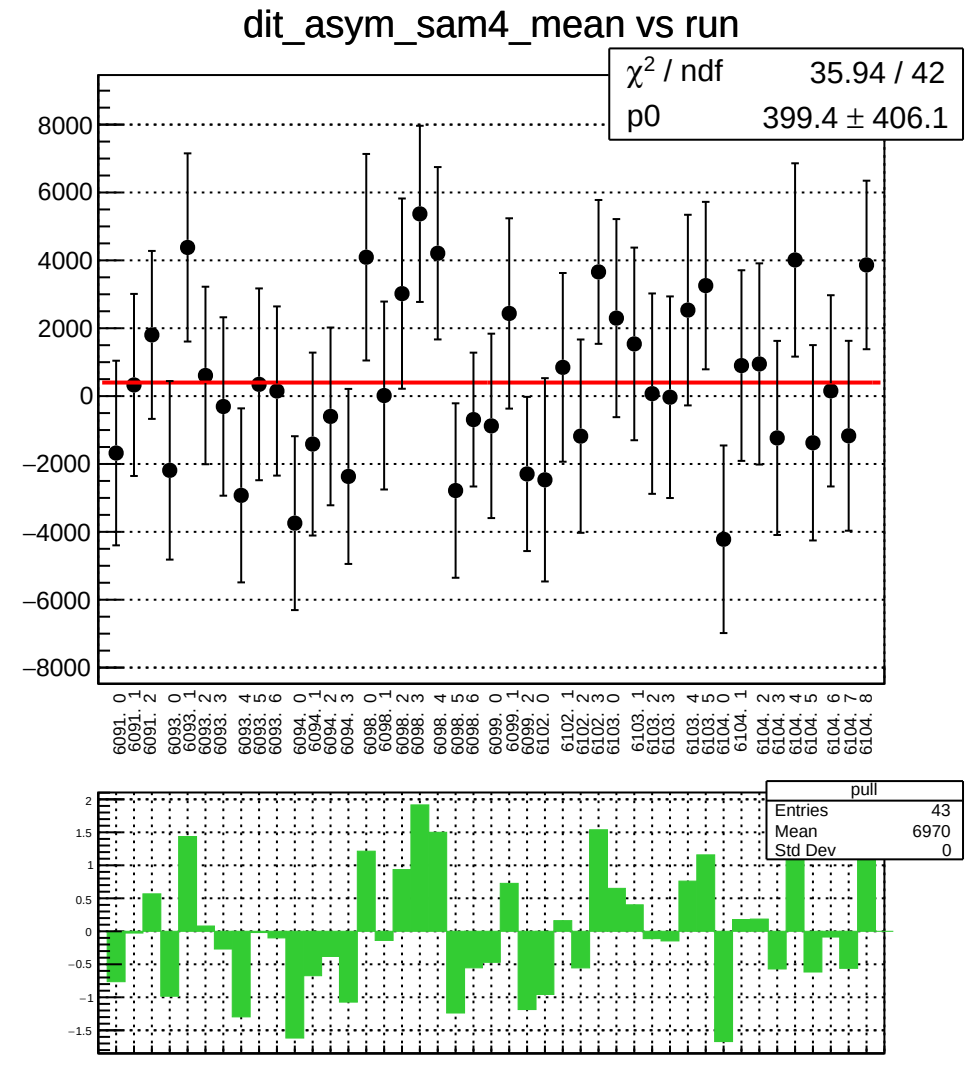
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 503.4
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 43
Mean 0.002709
Std Dev 0.9785
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

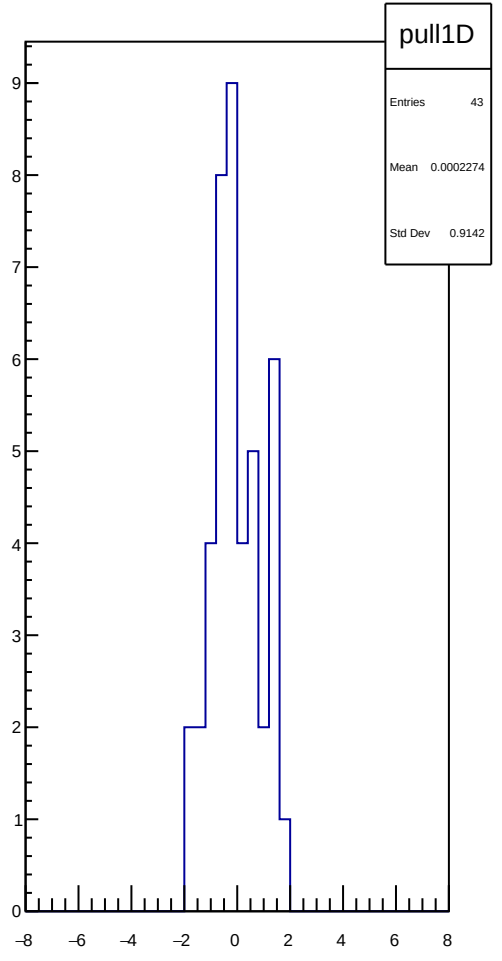

eigen_cor_asym_sam4_rms vs run
χ² / ndf 2860 / 42
p0 246.3 ± 0.2712
280
270
260
250
240
230
220
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

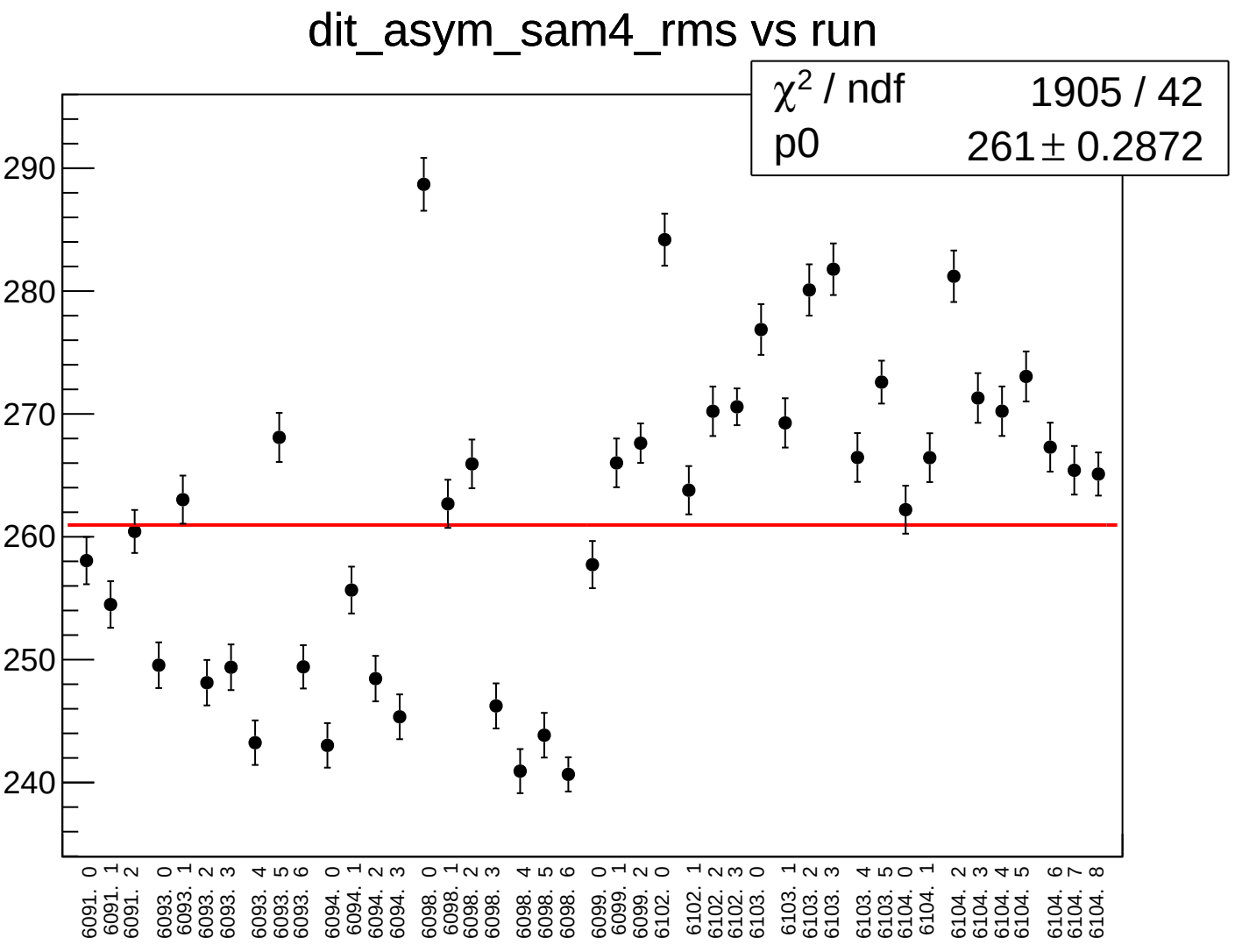

asym_sam4_eigen_cor_correction_mean vs run
×10^3
χ² / ndf 49.82 / 42
p0 49.81 ± 4714
100
50
0
−50
−100
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean −135.9
Std Dev 0
2
1
0
−1
−2

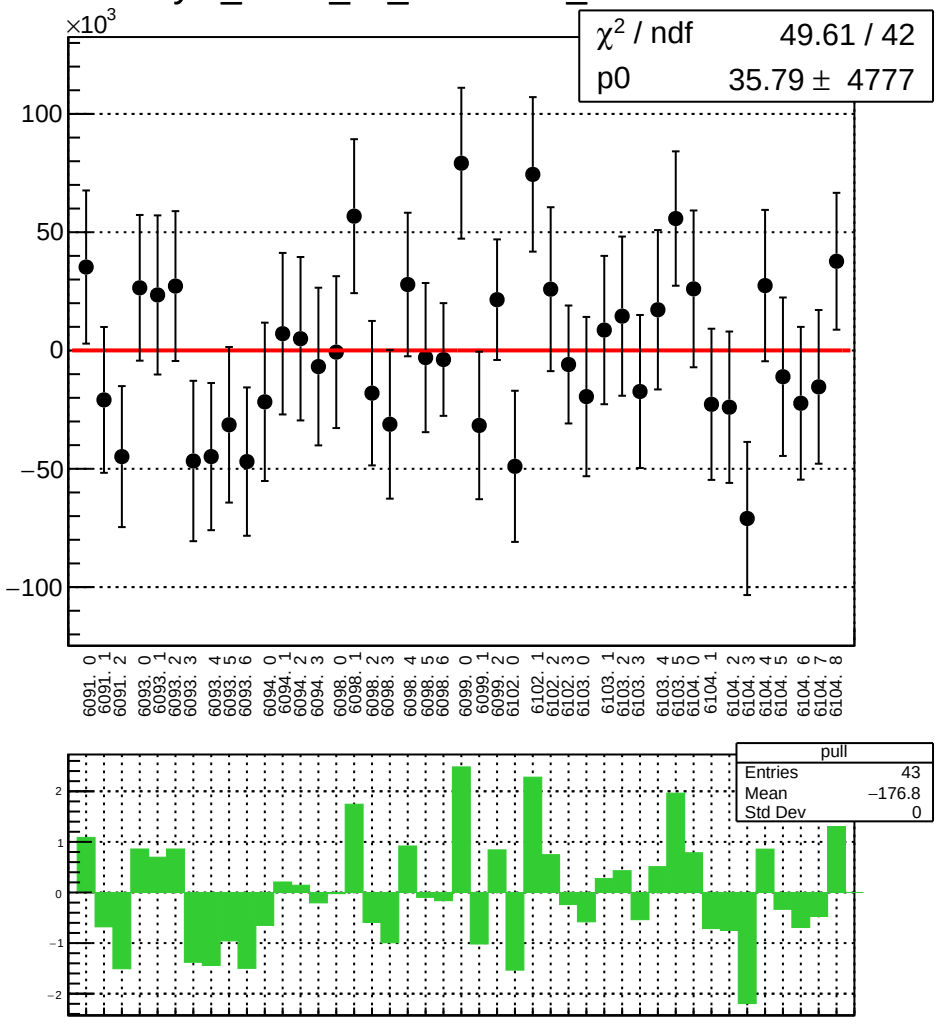

pull1D
Entries 43
Mean −0.007409
Std Dev 1.076
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

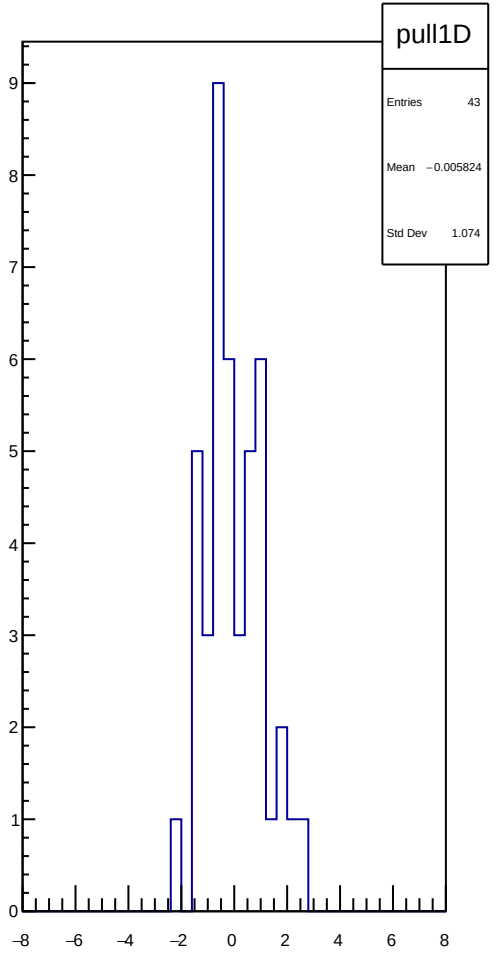

asym_sam4_eigen_cor_correction_rms vs run
χ² / ndf 1092 / 42
p0 3031 ± 3.334
3300
3200
3100
3000
2900
2800
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

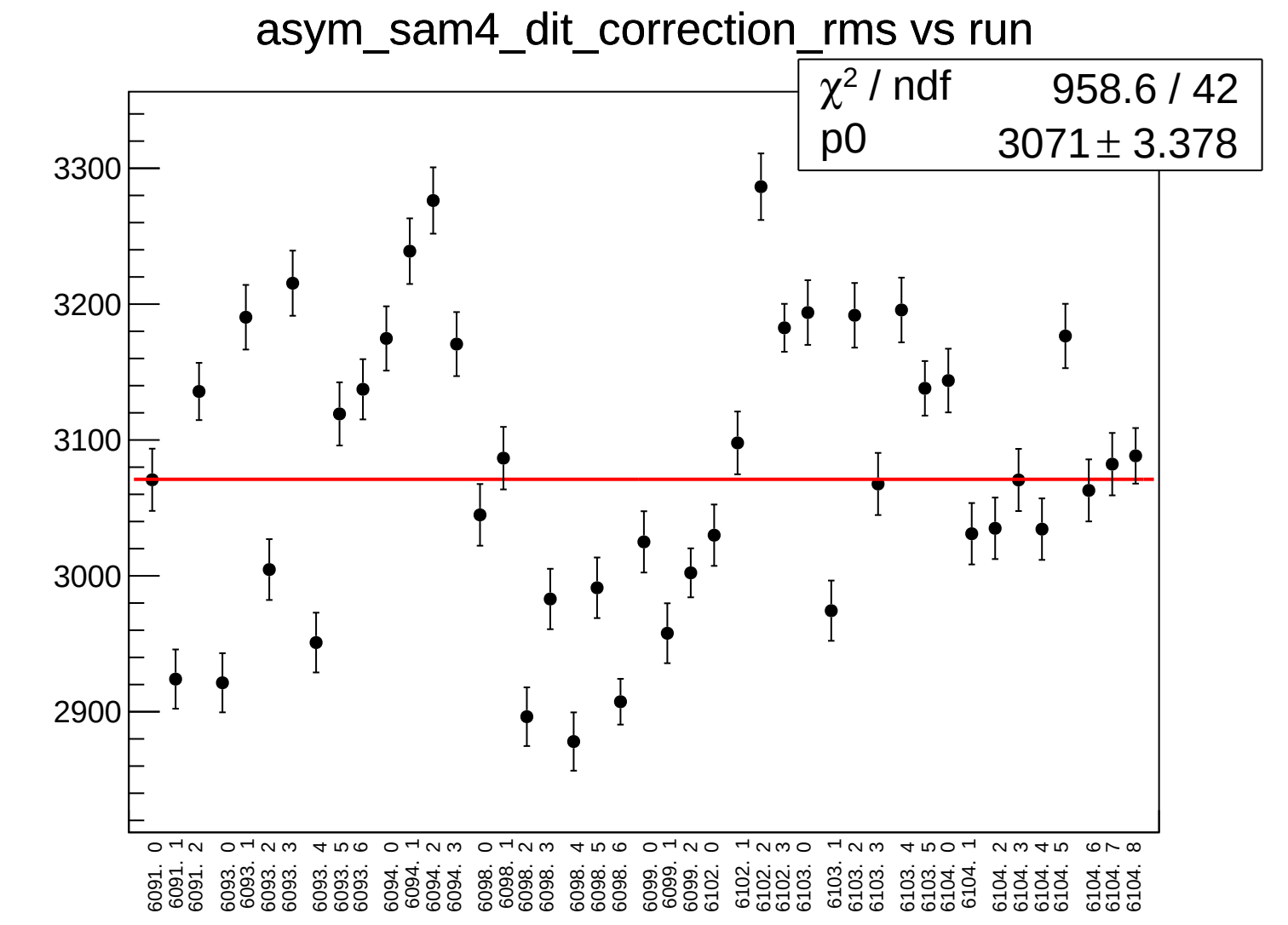

dit_asym_sam4_mean vs run
χ² / ndf 35.94 / 42
p0 399.4 ± 406.1
8000
6000
4000
2000
0
−2000
−4000
−6000
−8000
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 6970
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5

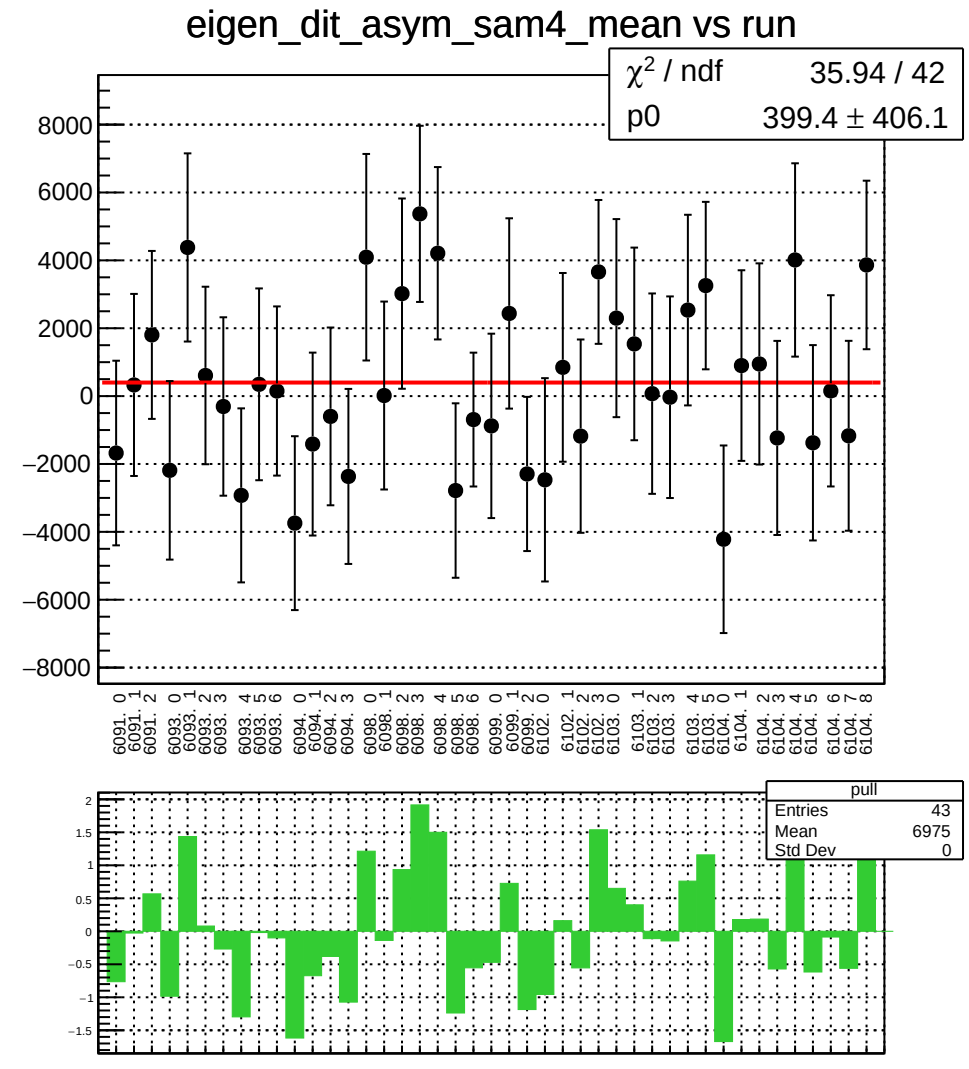

pull1D
Entries 43
Mean 0.0002274
Std Dev 0.9142
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

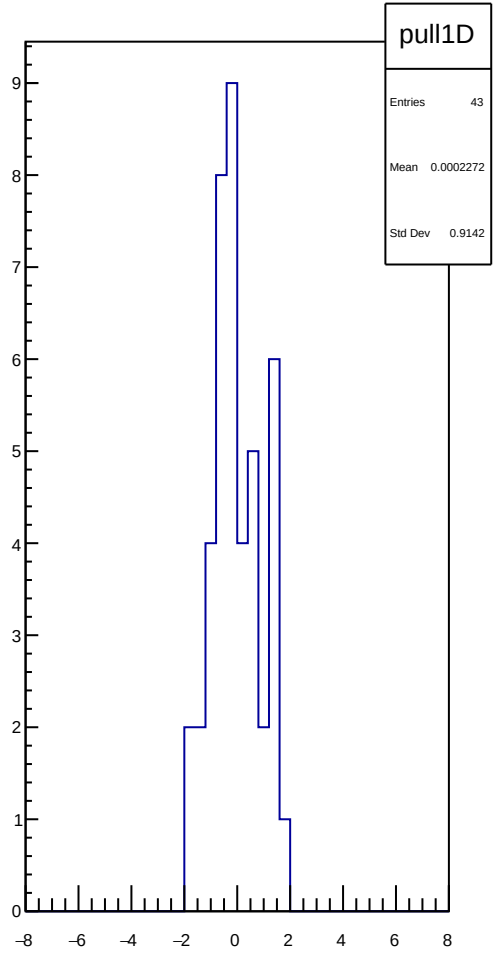

dit_asym_sam4_rms vs run
χ² / ndf 1905 / 42
p0 261 ± 0.2872
290
280
270
260
250
240
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

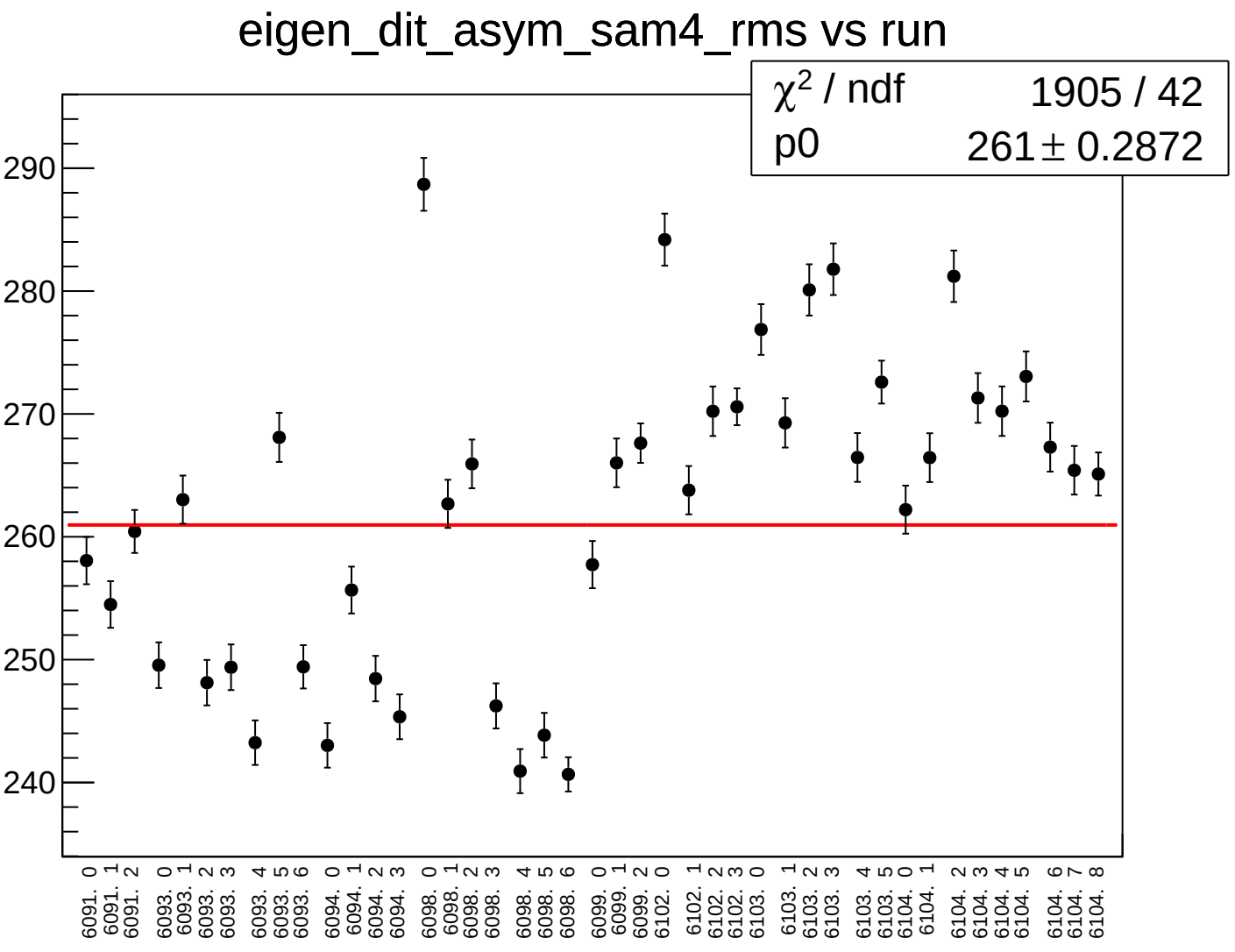

asym_sam4_dit_correction_mean vs run
×10^3
χ² / ndf 49.61 / 42
p0 35.79 ± 4777
100
50
0
−50
−100
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean −176.8
Std Dev 0
2
1
0
−1
−2

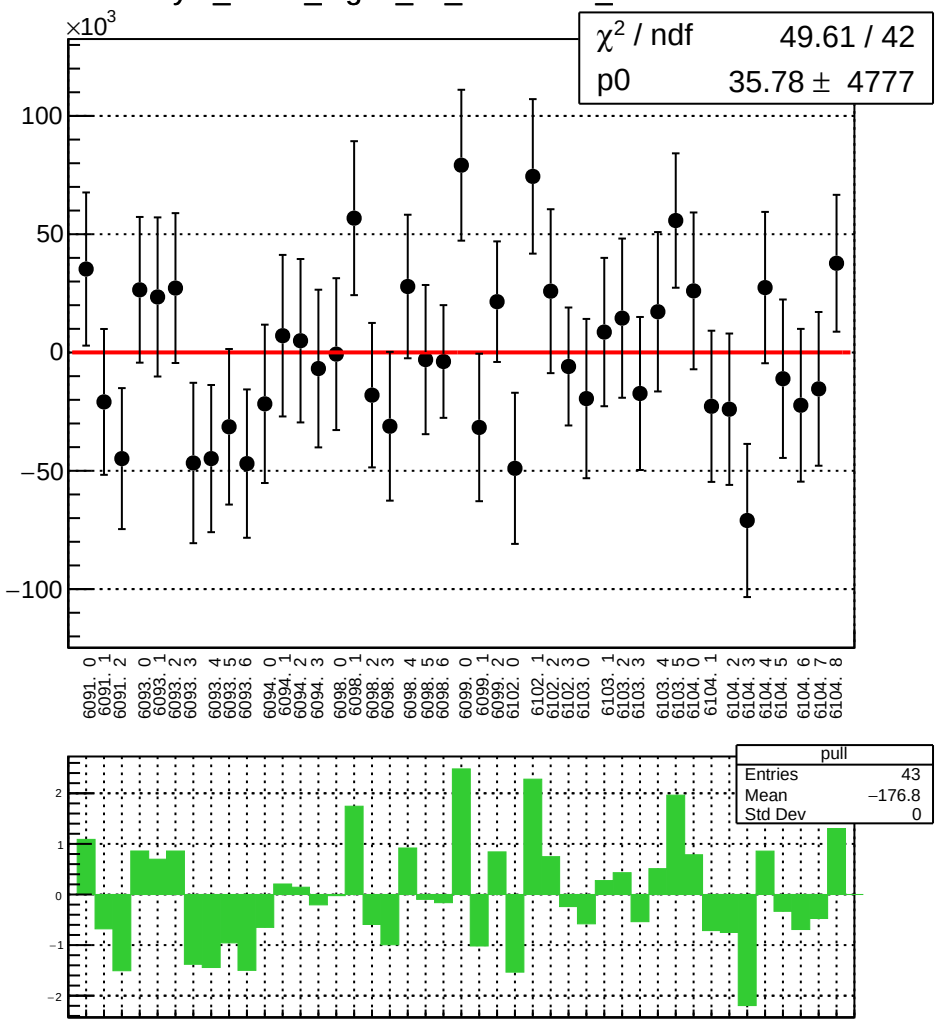

pull1D
Entries 43
Mean −0.005824
Std Dev 1.074
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

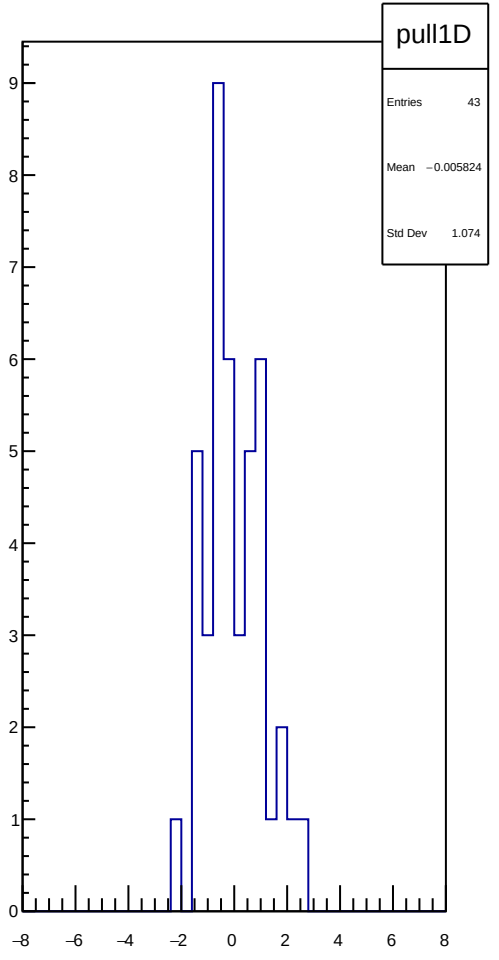

asym_sam4_dit_correction_rms vs run
χ² / ndf 958.6 / 42
p0 3071 ± 3.378
3300
3200
3100
3000
2900
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

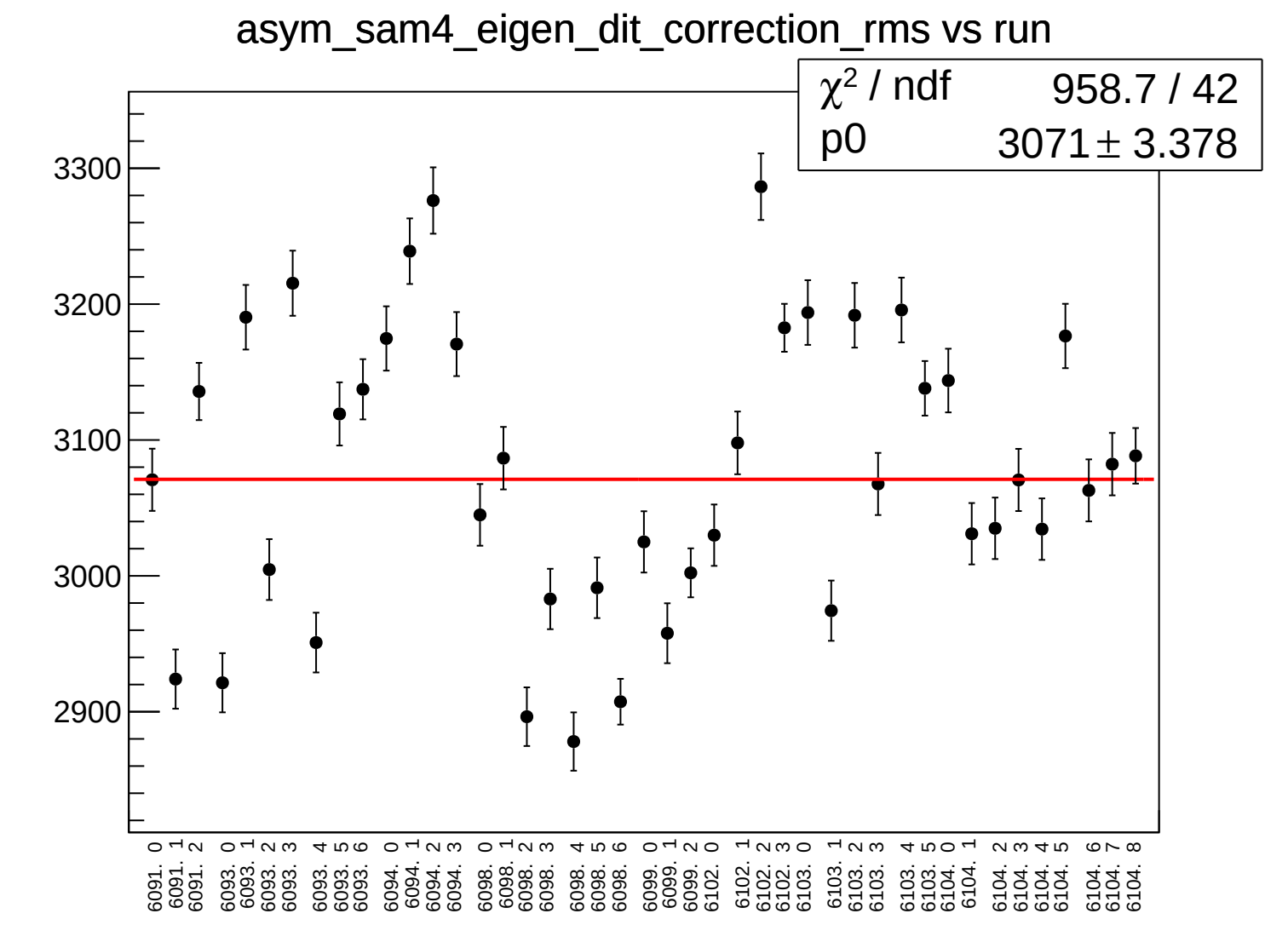

eigen_dit_asym_sam4_mean vs run
χ² / ndf 35.94 / 42
p0 399.4 ± 406.1
8000
6000
4000
2000
0
−2000
−4000
−6000
−8000
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 6975
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5

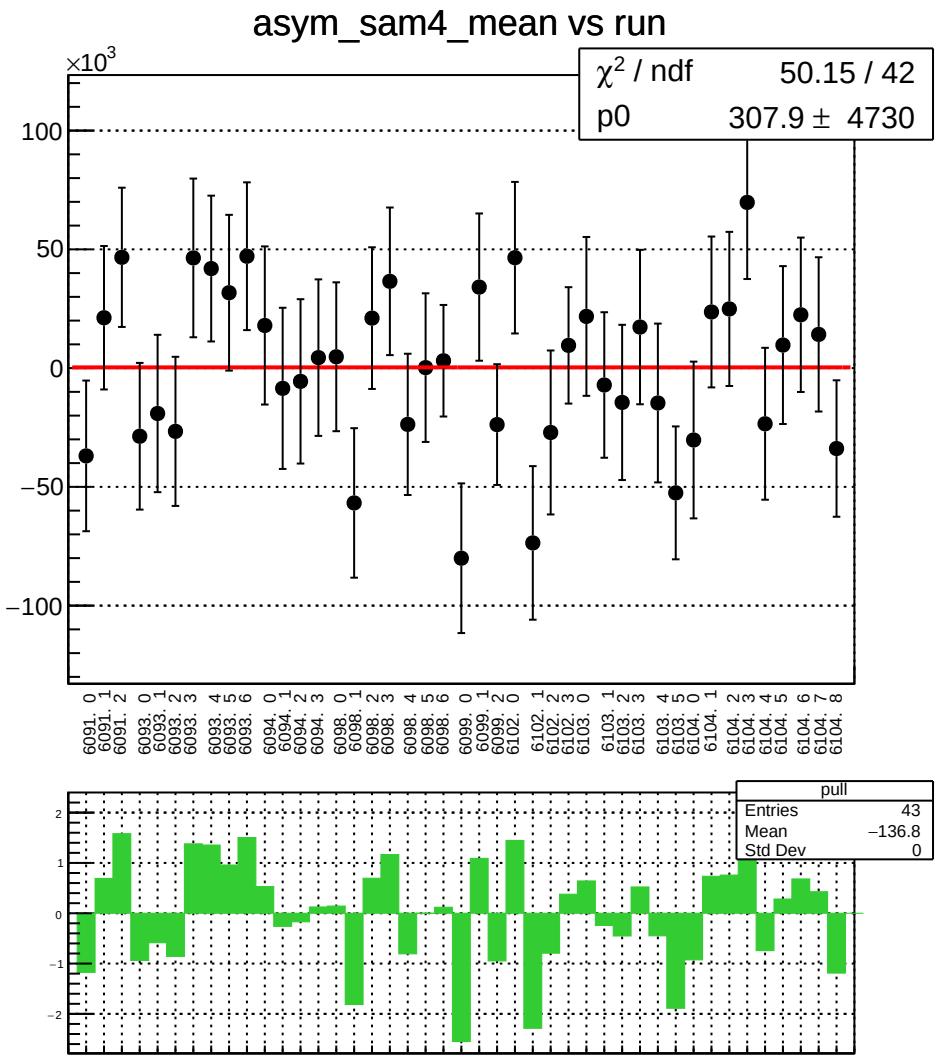

pull1D
Entries 43
Mean 0.0002272
Std Dev 0.9142
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

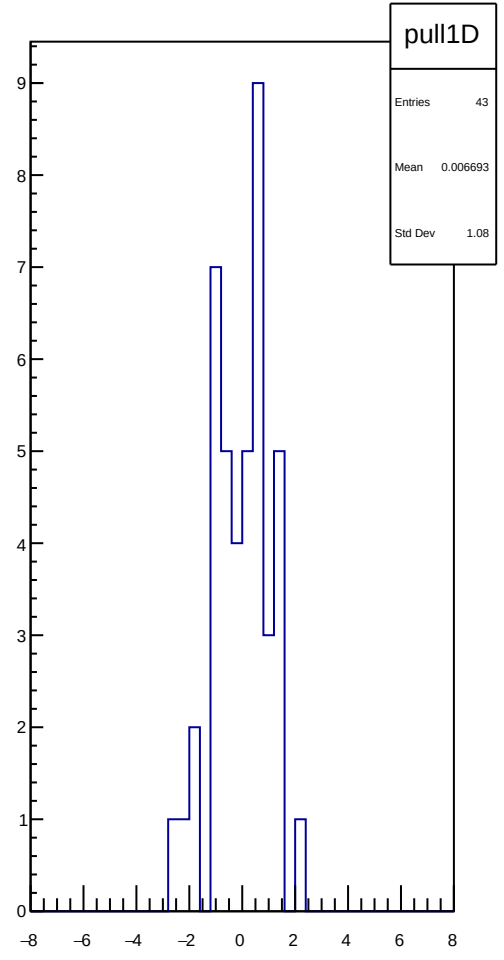

eigen_dit_asym_sam4_rms vs run
χ^2 / ndf 1905 / 42
p0 261 ± 0.2872
290
280
270
260
250
240
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

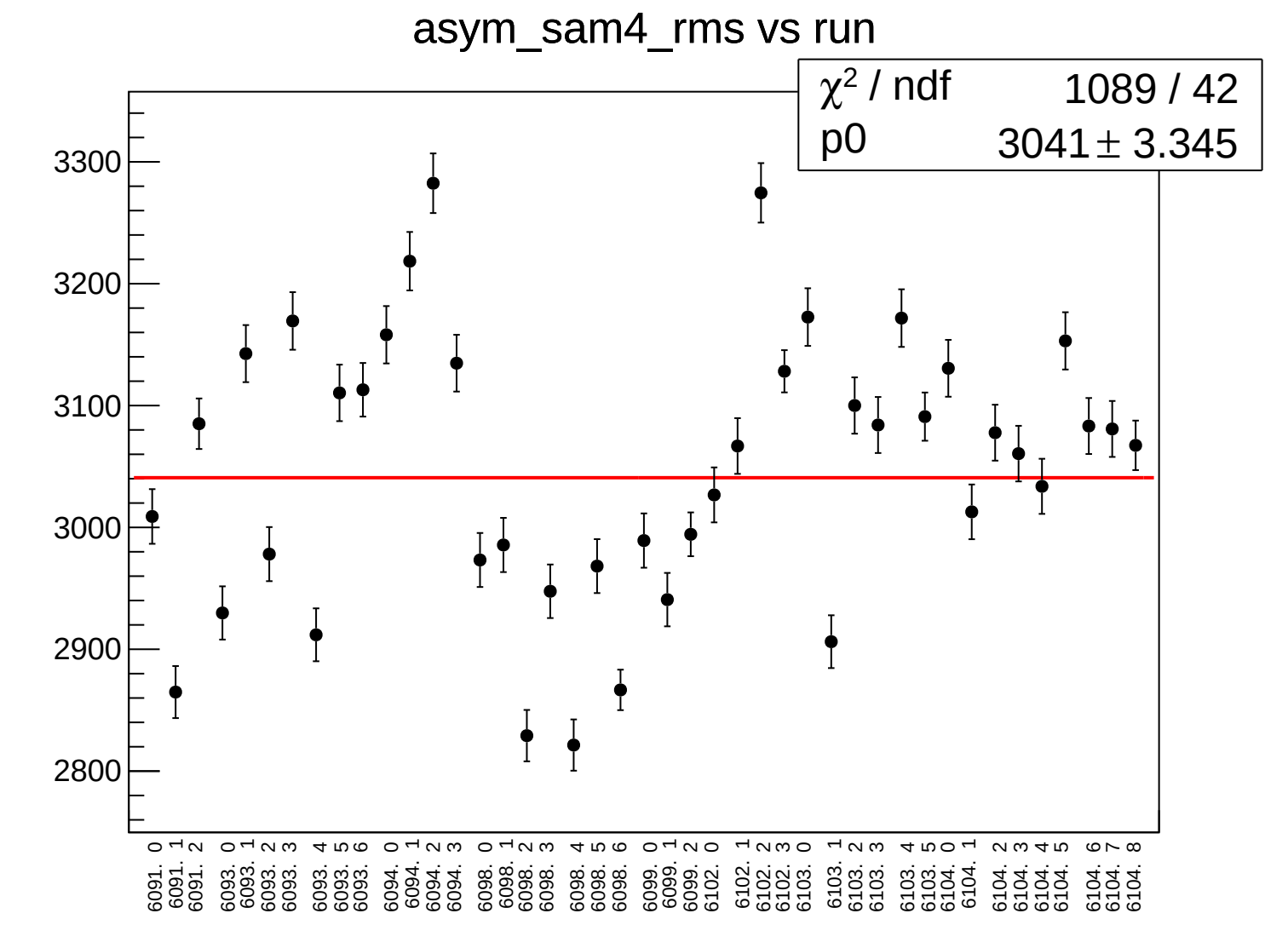

asym_sam4_eigen_dit_correction_mean vs run
×10^3
χ² / ndf 49.61 / 42
p0 35.78 ± 4777
100
50
0
−50
−100
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean −176.8
Std Dev 0
2
1
0
−1
−2

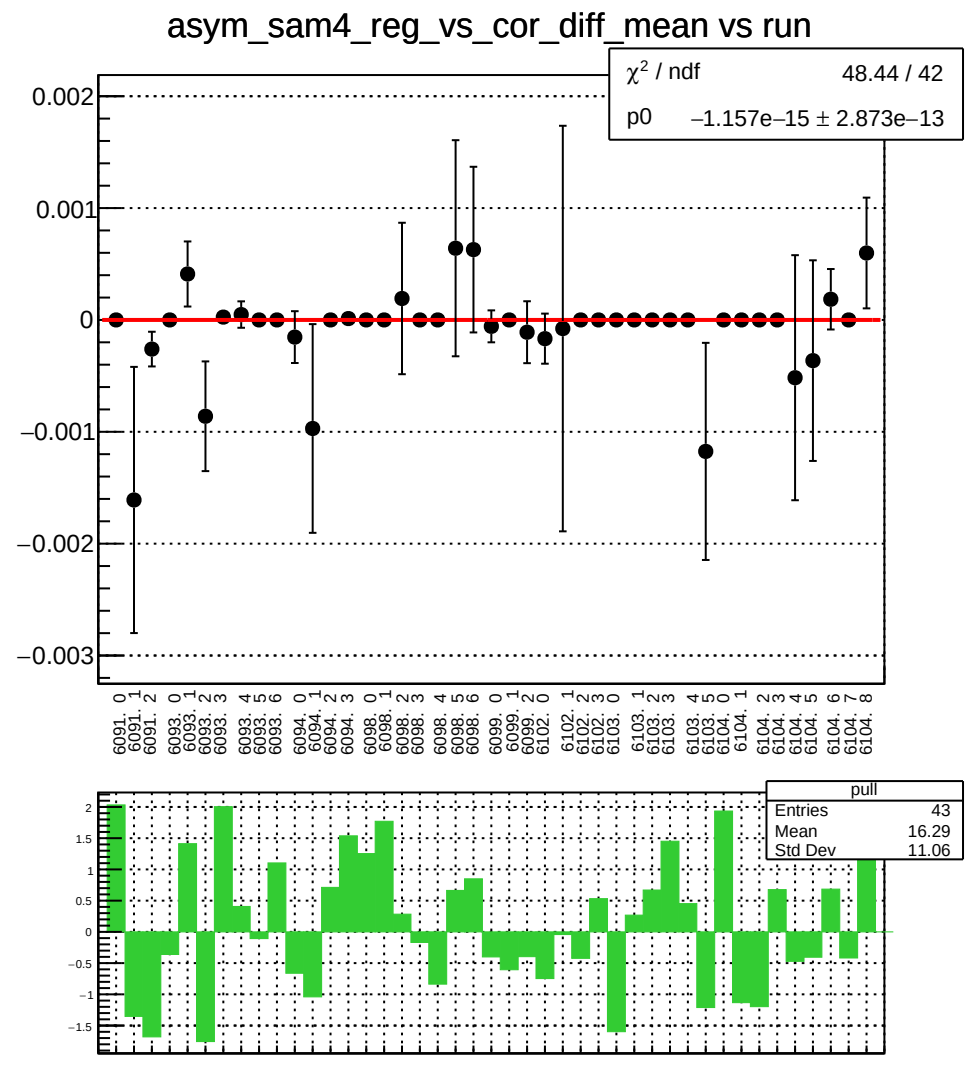

pull1D
Entries 43
Mean −0.005824
Std Dev 1.074
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

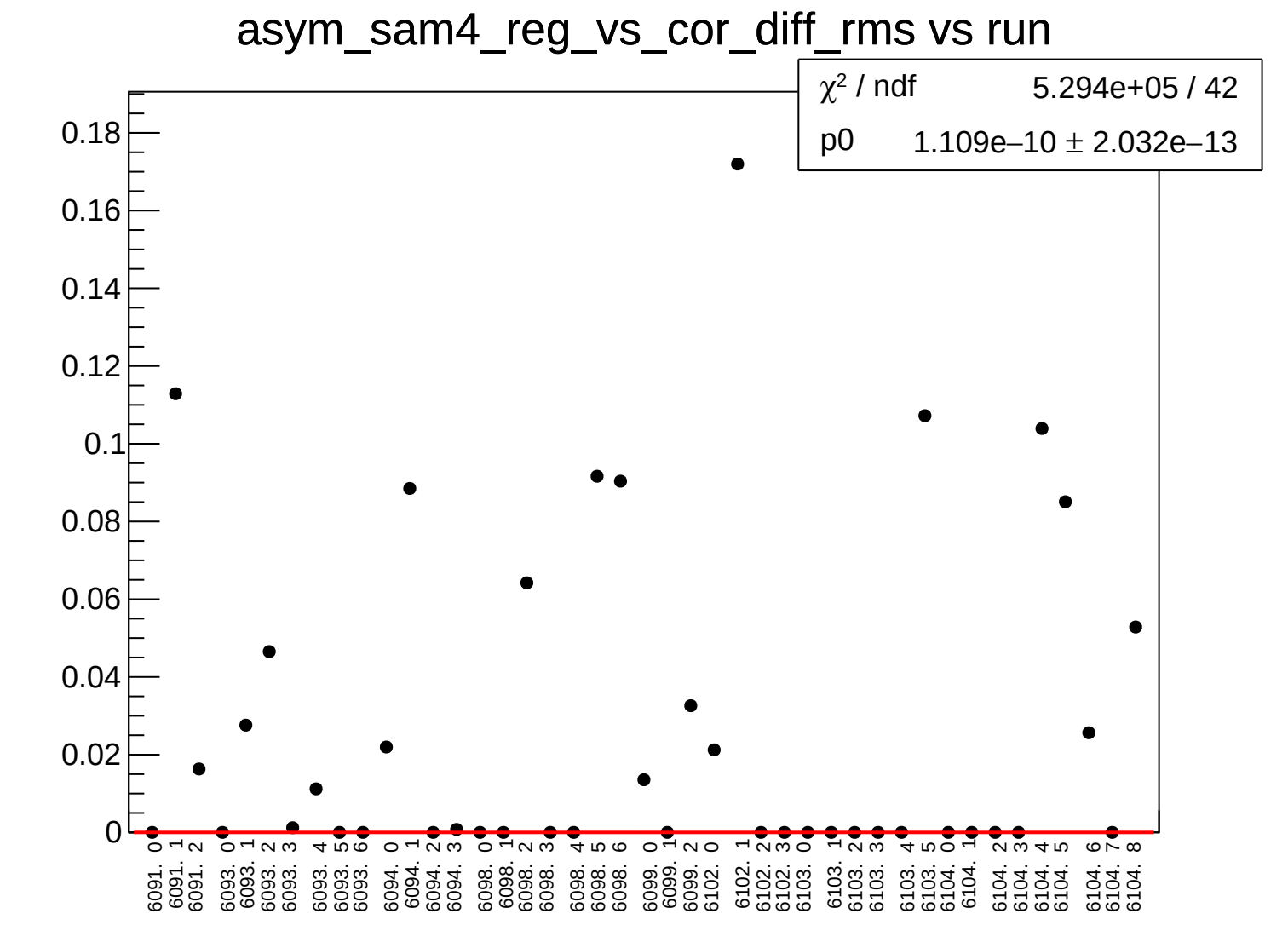

asym_sam4_eigen_dit_correction_rms vs run
χ² / ndf 958.7 / 42
p0 3071 ± 3.378
3300
3200
3100
3000
2900
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

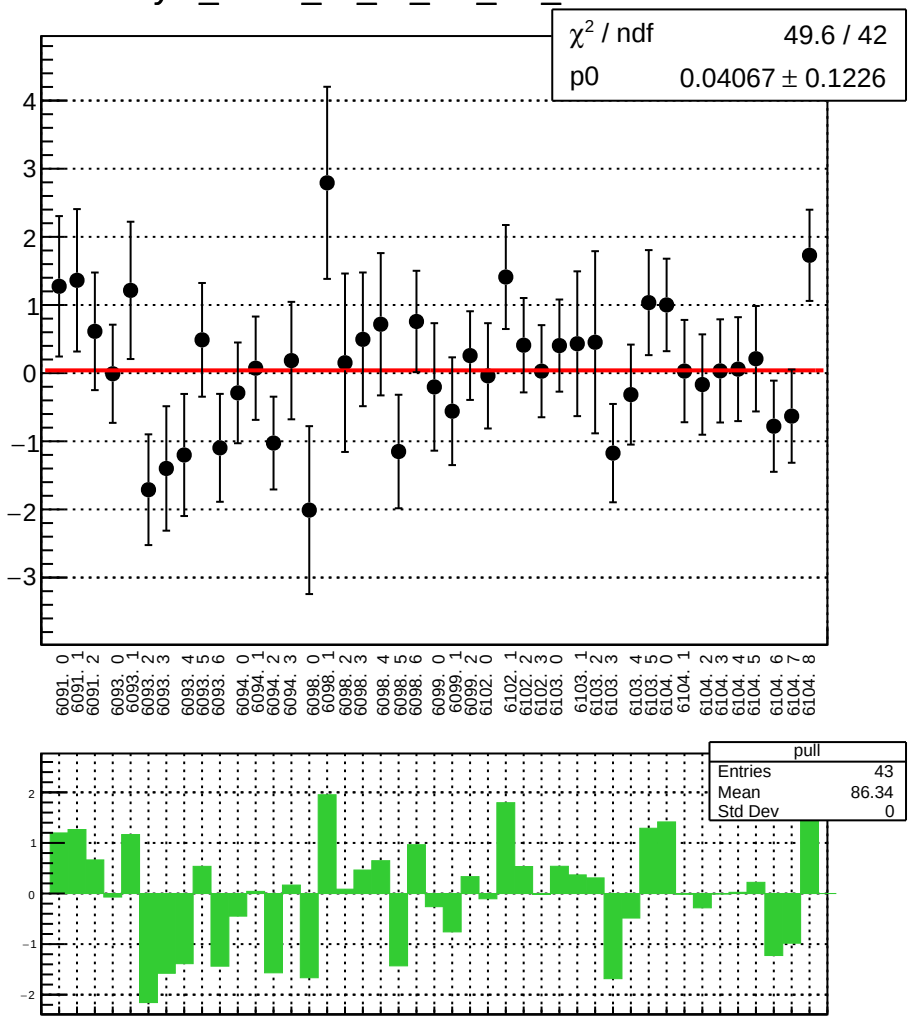

asym_sam4_mean vs run
×10^3
χ² / ndf 50.15 / 42
p0 307.9 ± 4730
100
50
0
−50
−100
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean −136.8
Std Dev 0
2
1
0
−1
−2

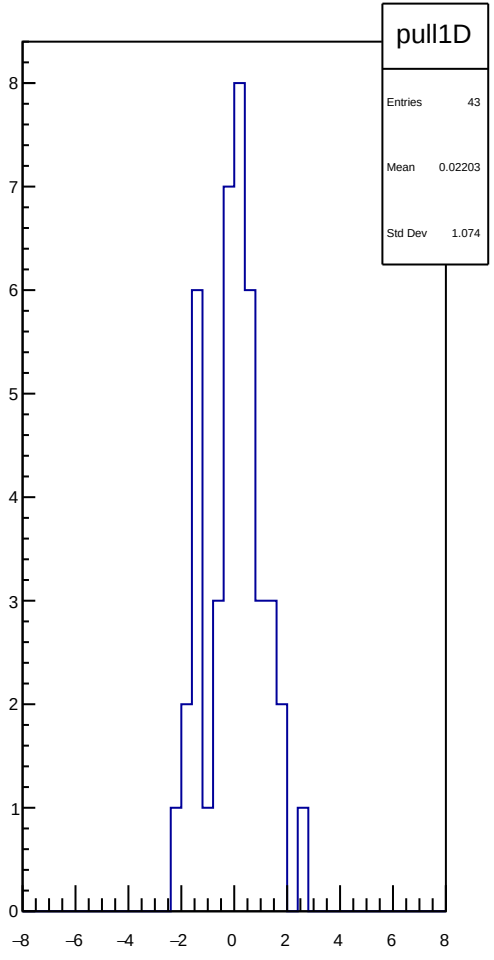

pull1D
Entries 43
Mean 0.006693
Std Dev 1.08
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

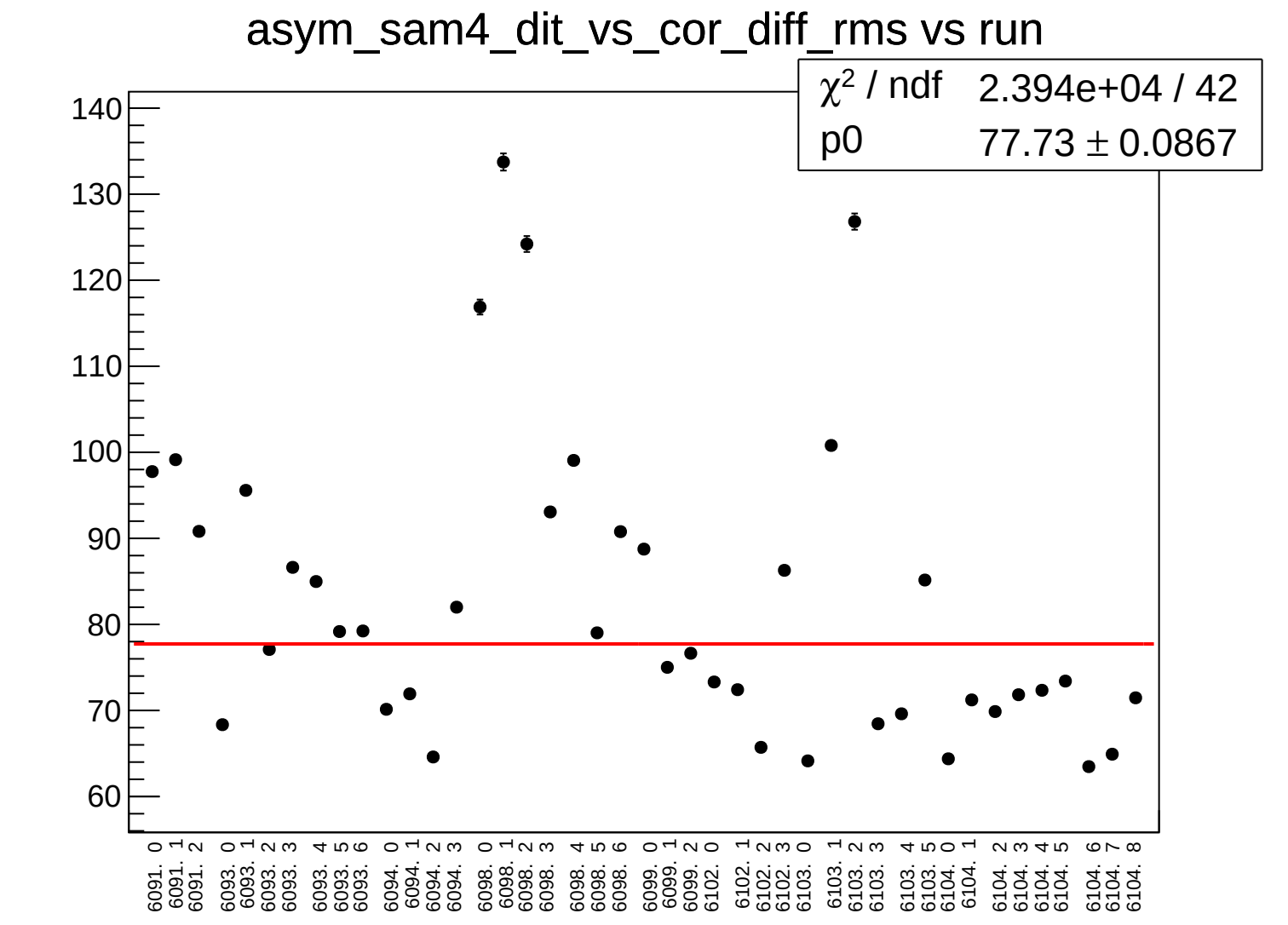

asym_sam4_rms vs run
χ² / ndf 1089 / 42
p0 3041 ± 3.345
3300
3200
3100
3000
2900
2800
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

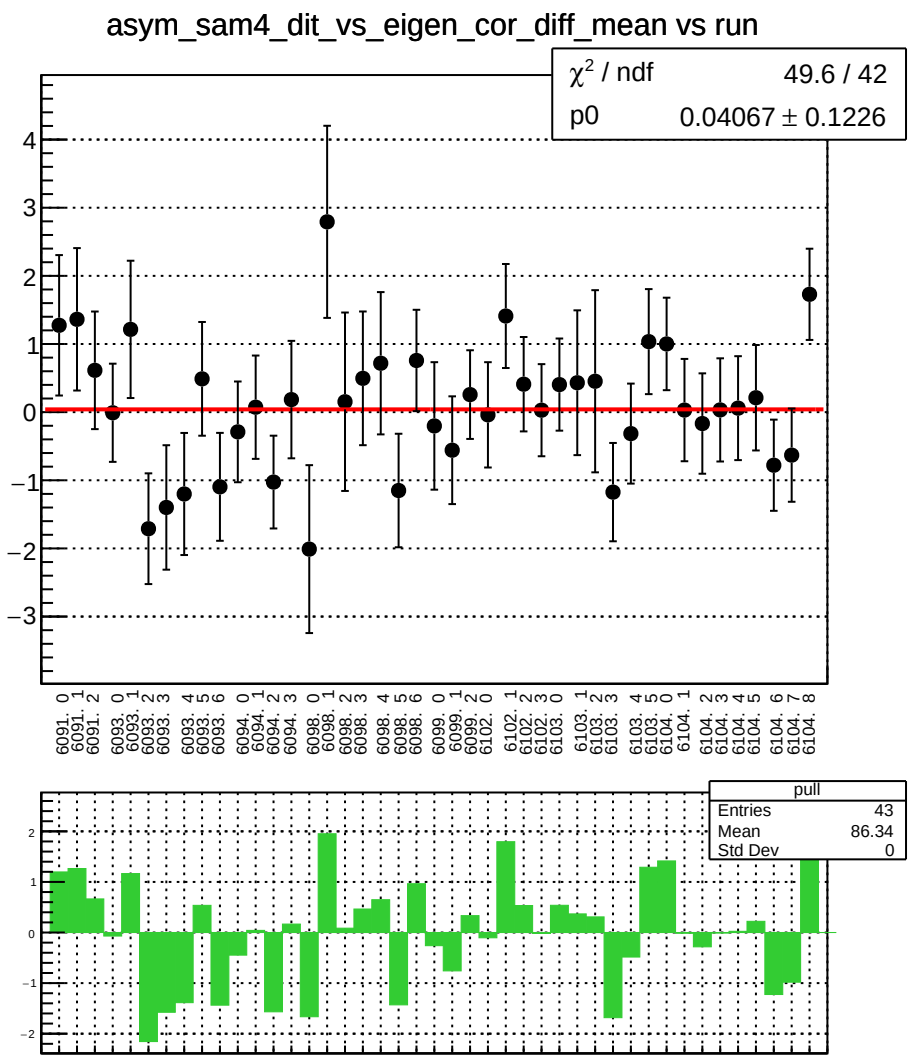

asym_sam4_reg_vs_cor_diff_mean vs run
χ² / ndf 48.44 / 42
p0 −1.157e−15 ± 2.873e−13
0.002
0.001
0
−0.001
−0.002
−0.003
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 16.29
Std Dev 11.06
2
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 43
Mean 0.1138
Std Dev 1.055
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

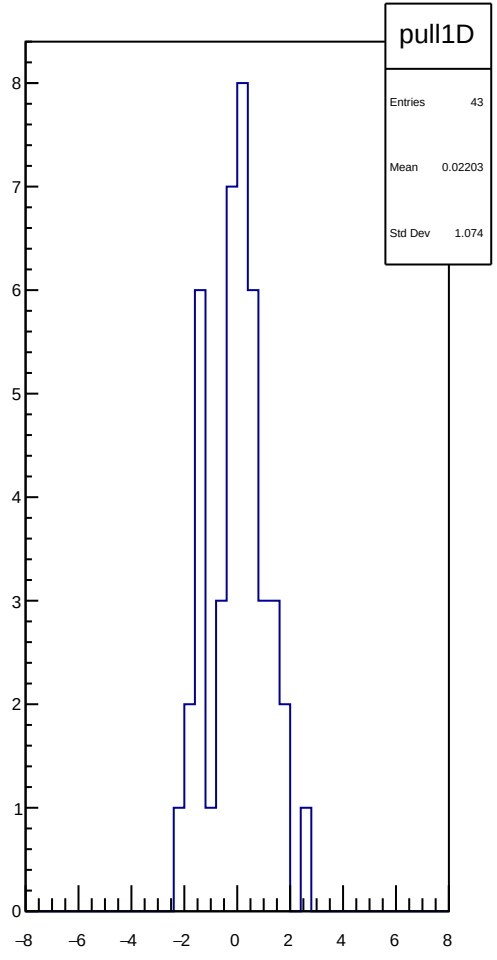

asym_sam4_reg_vs_cor_diff_rms vs run
χ² / ndf 5.294e+05 / 42
p0 1.109e−10 ± 2.032e−13
0.18
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02
0
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

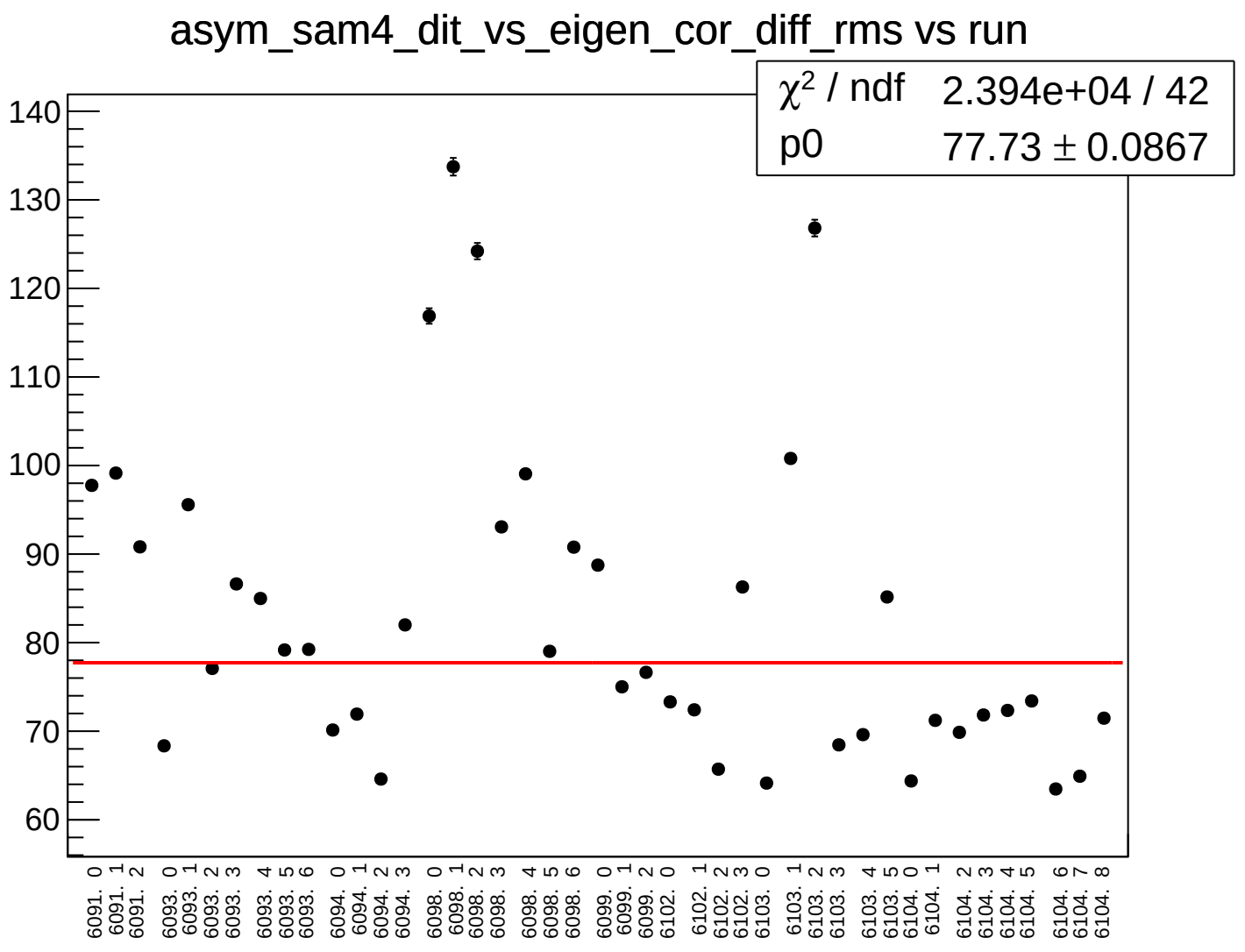

asym_sam4_dit_vs_cor_diff_mean vs run
χ² / ndf 49.6 / 42
p0 0.04067 ± 0.1226
pull
Entries 43
Mean 86.34
Std Dev 0

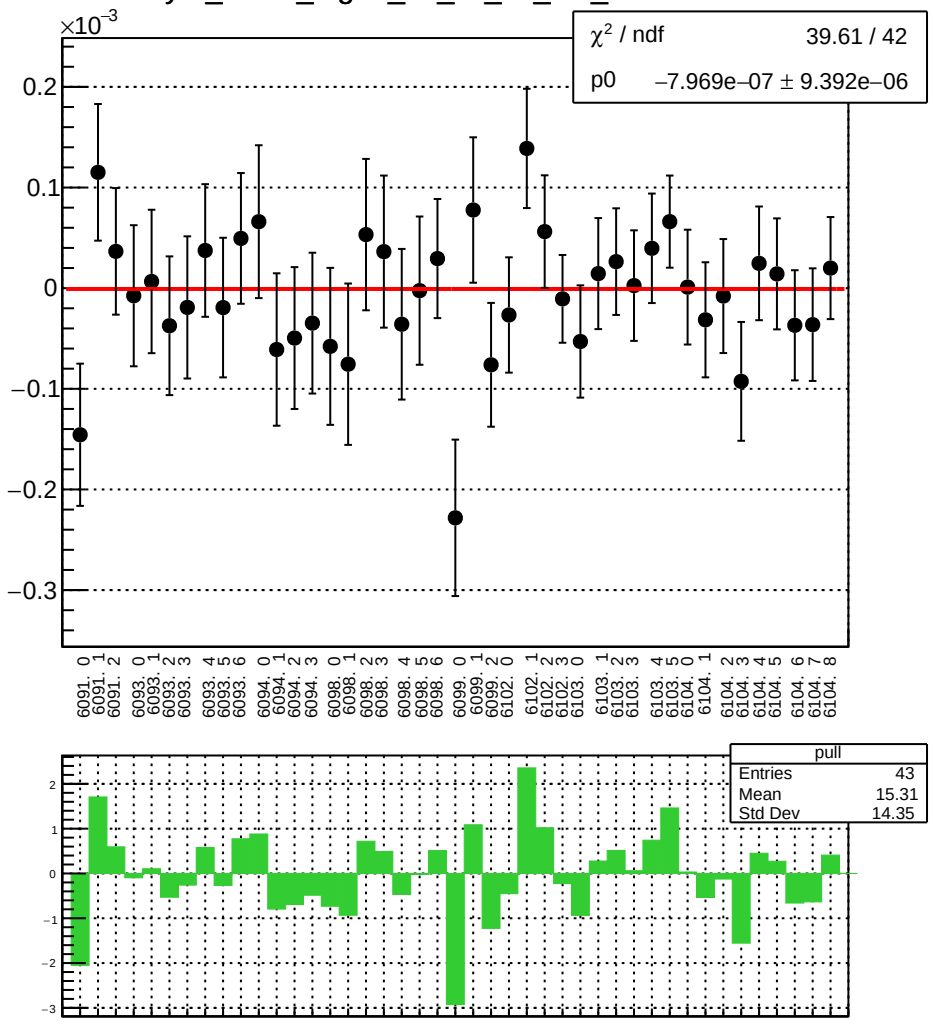

pull1D
Entries 43
Mean 0.02203
Std Dev 1.074

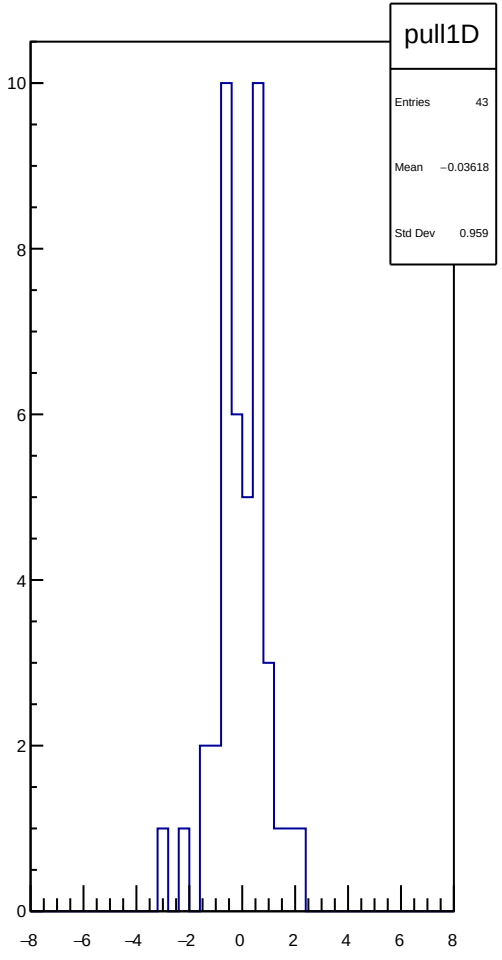

asym_sam4_dit_vs_cor_diff_rms vs run
χ² / ndf 2.394e+04 / 42
p0 77.73 ± 0.0867
140
130
120
110
100
90
80
70
60
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

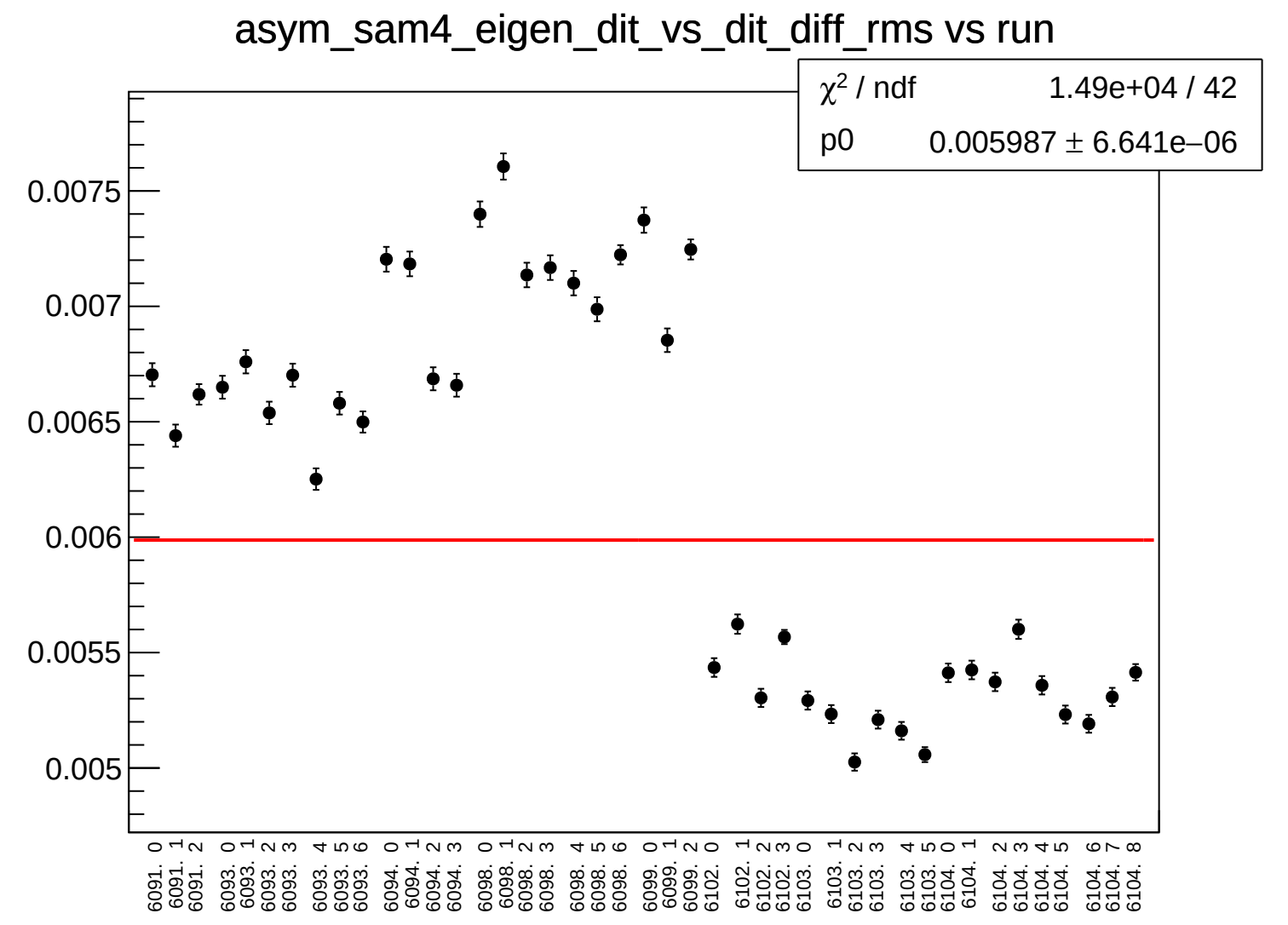

asym_sam4_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 49.6 / 42
p0 0.04067 ± 0.1226
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 86.34
Std Dev 0

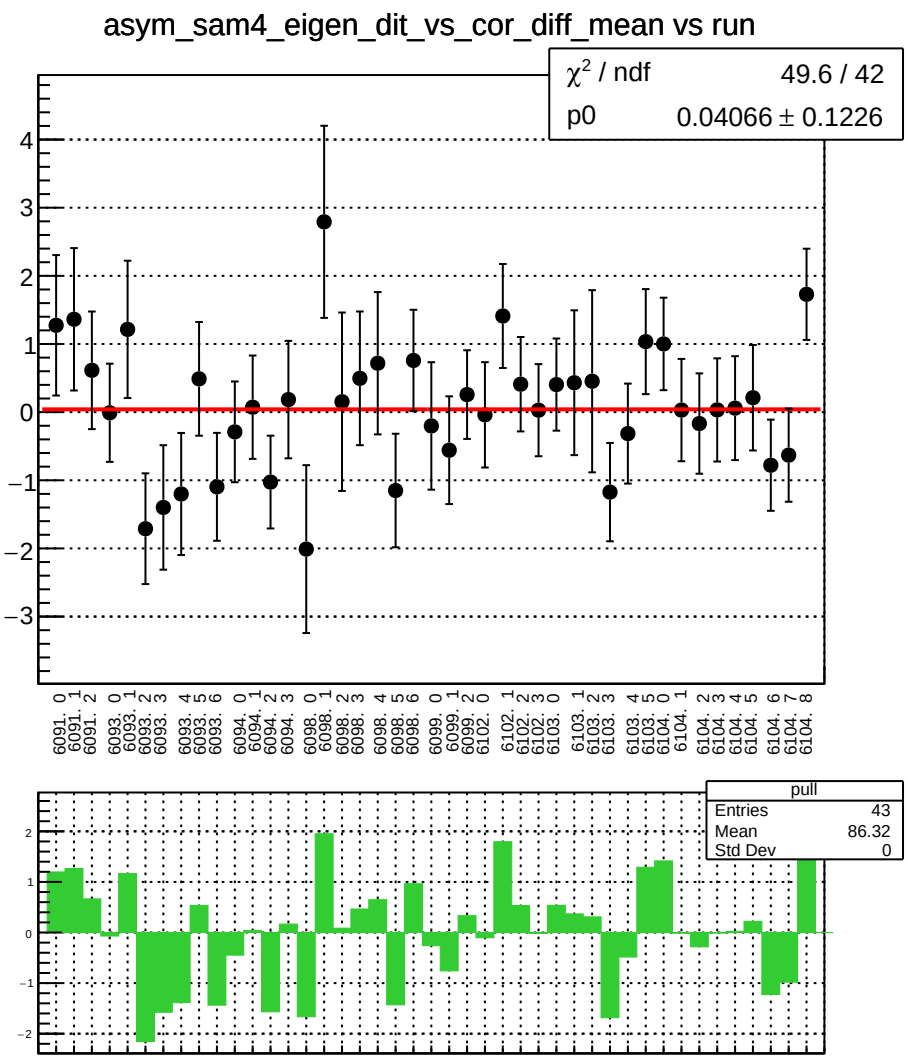

pull1D
Entries 43
Mean 0.02203
Std Dev 1.074

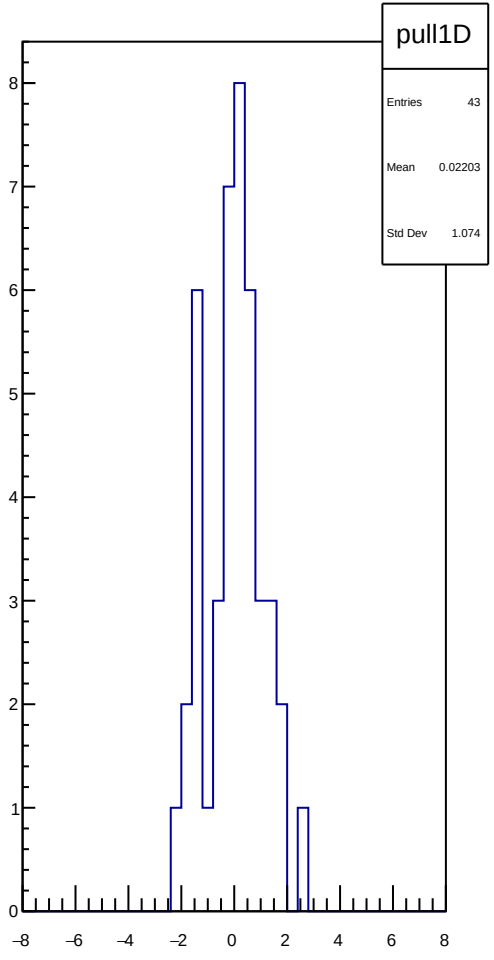

asym_sam4_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 2.394e+04 / 42
p0 77.73 ± 0.0867
140
130
120
110
100
90
80
70
60
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

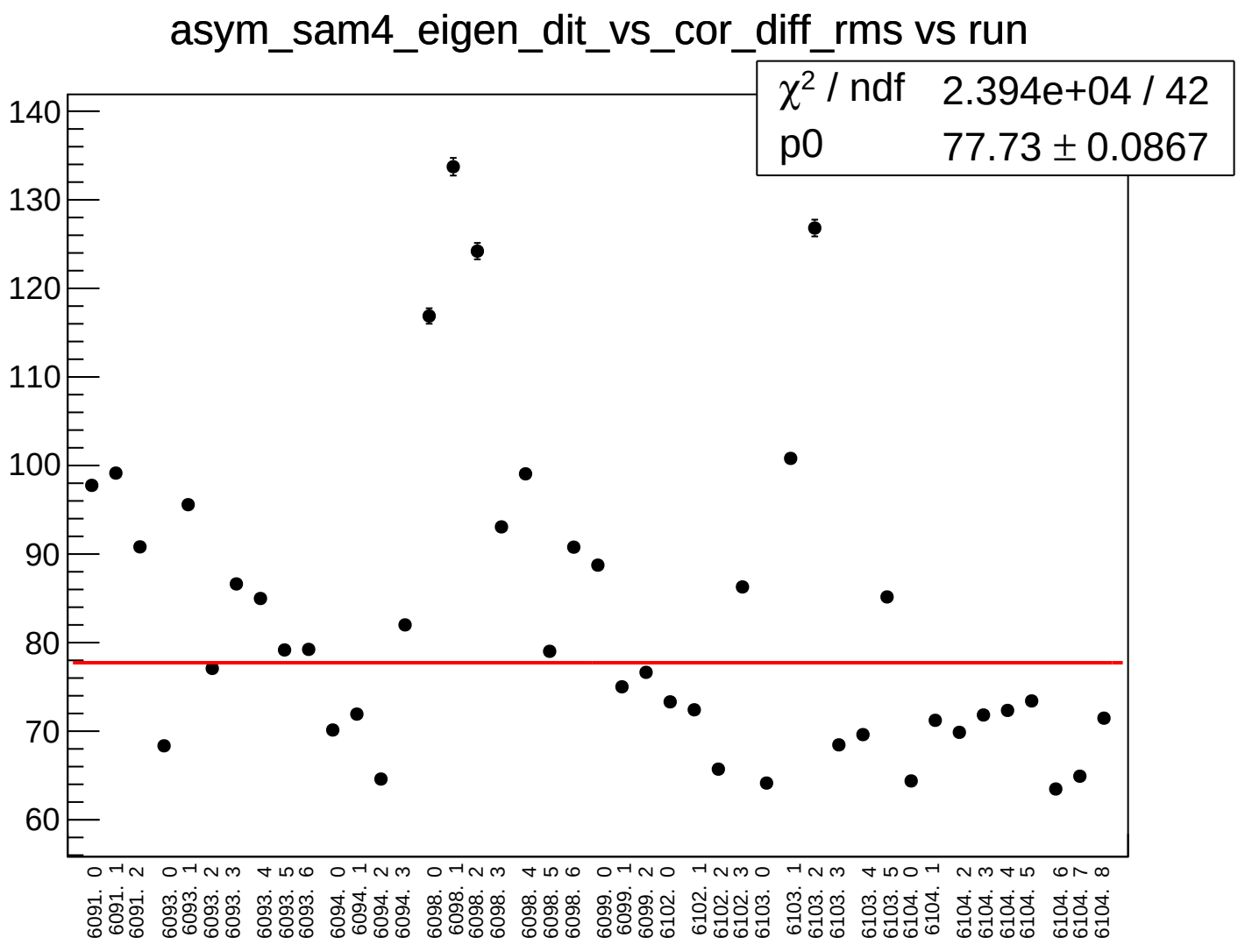

asym_sam4_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 39.61 / 42
p0 −7.969e−07 ± 9.392e−06
pull
Entries 43
Mean 15.31
Std Dev 14.35

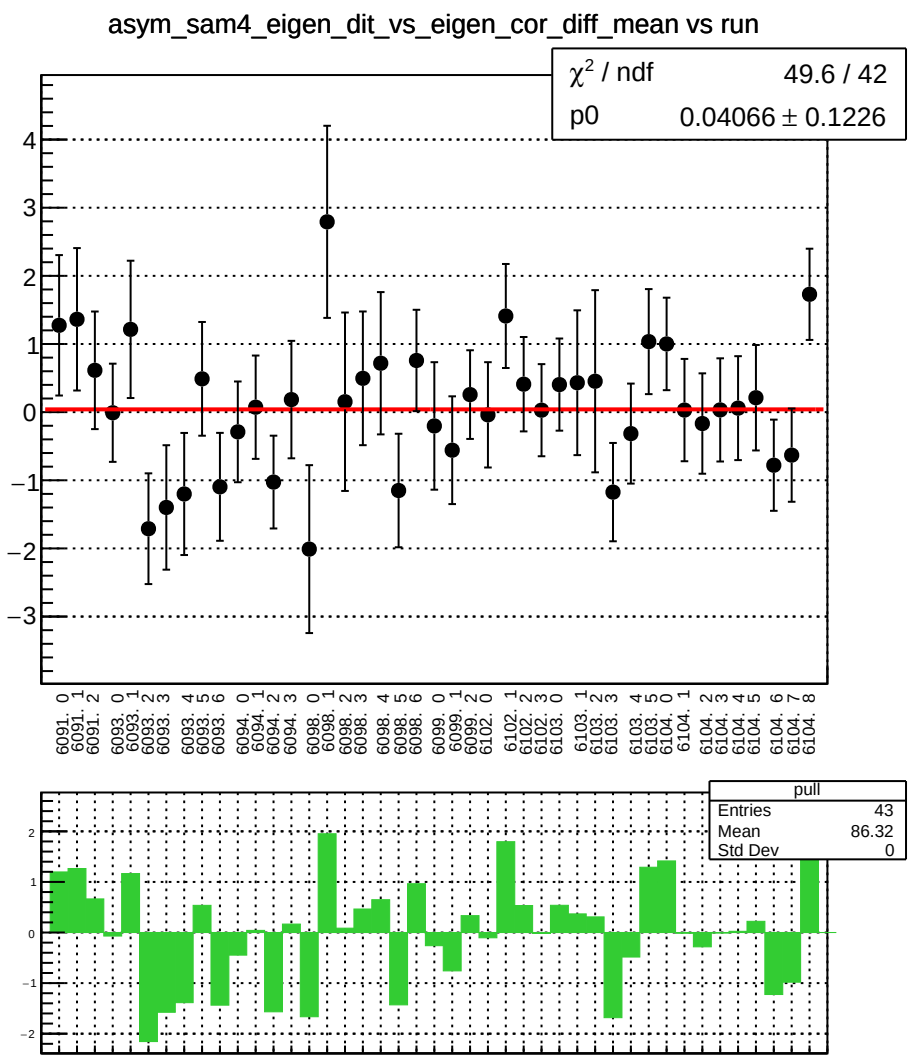

pull1D
Entries 43
Mean −0.03618
Std Dev 0.959

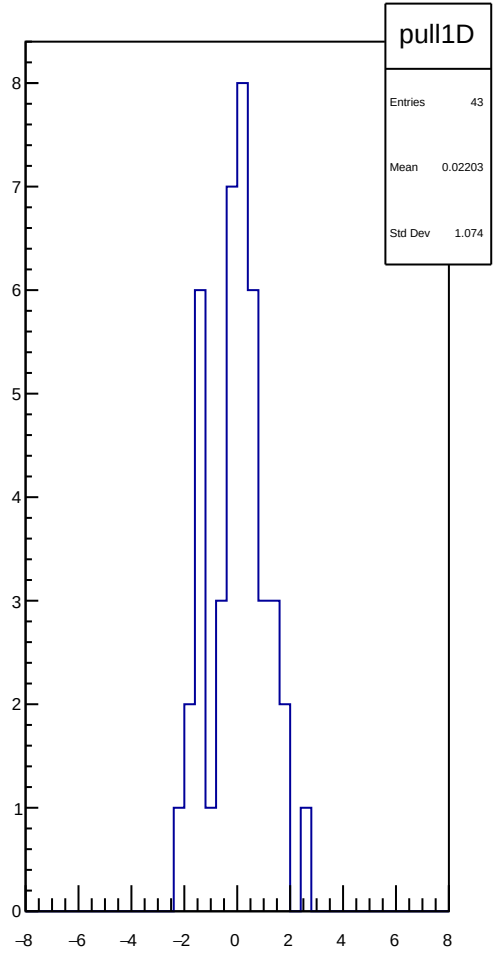

asym_sam4_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 1.49e+04 / 42
p0 0.005987 ± 6.641e−06
0.0075
0.007
0.0065
0.006
0.0055
0.005
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

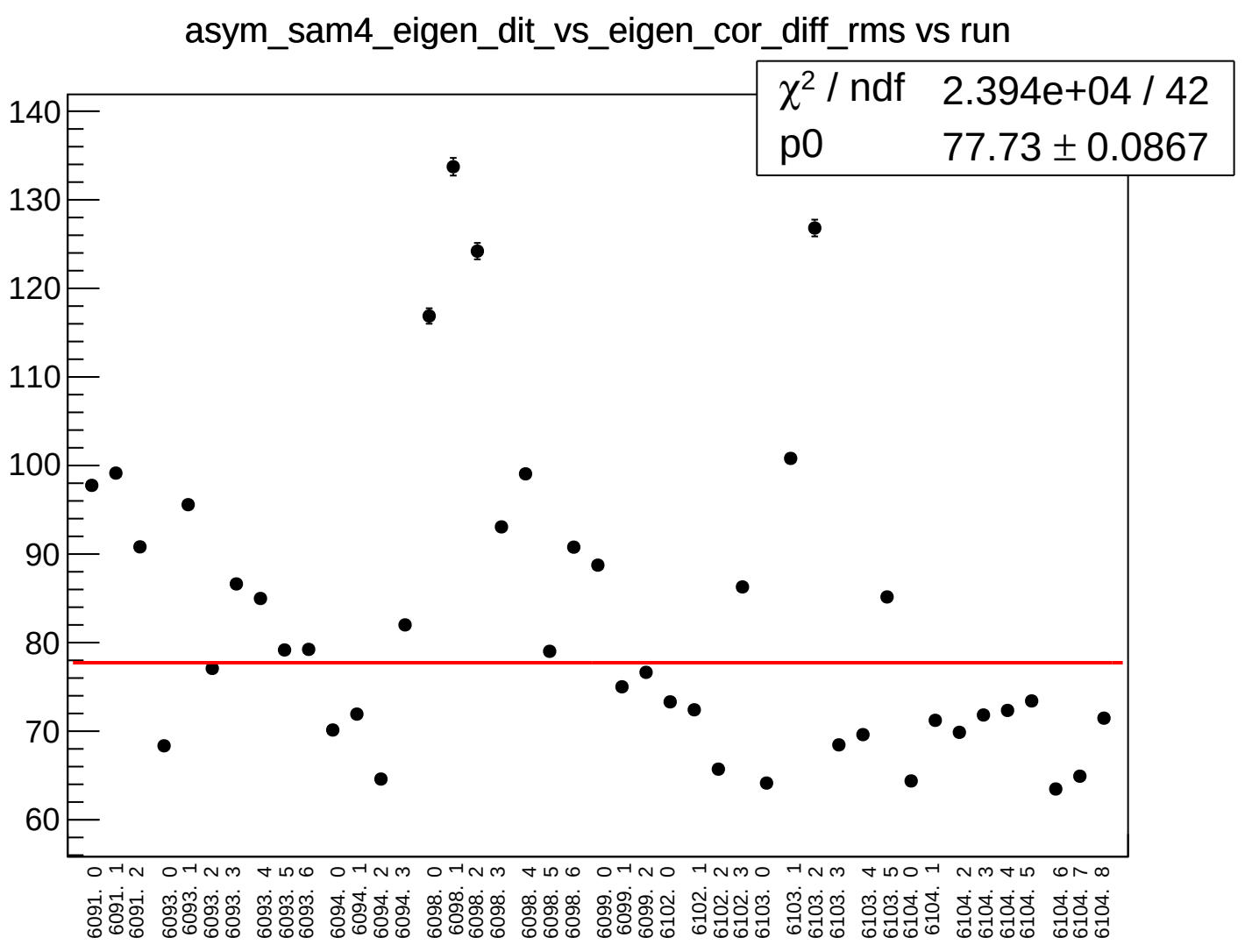

asym_sam4_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 49.6 / 42
p0 0.04066 ± 0.1226
pull
Entries 43
Mean 86.32
Std Dev 0

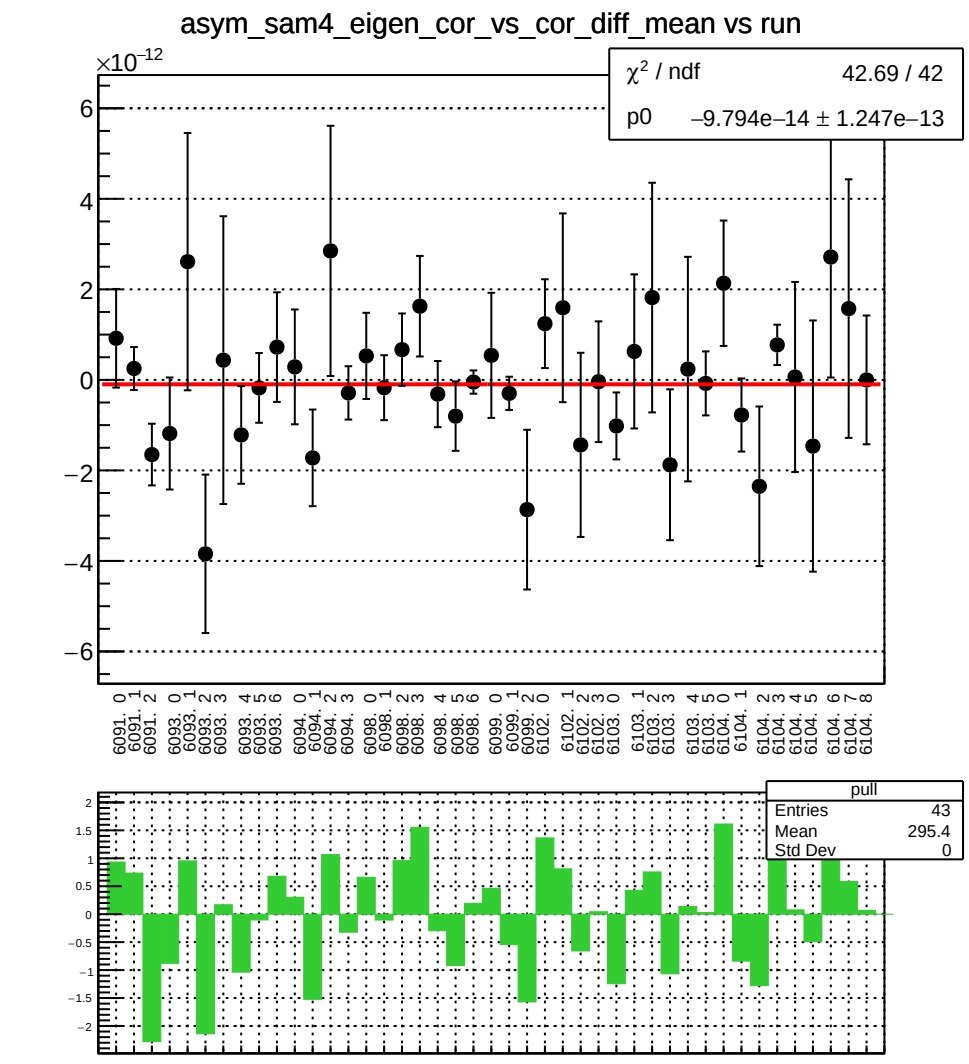

pull1D
Entries 43
Mean 0.02203
Std Dev 1.074

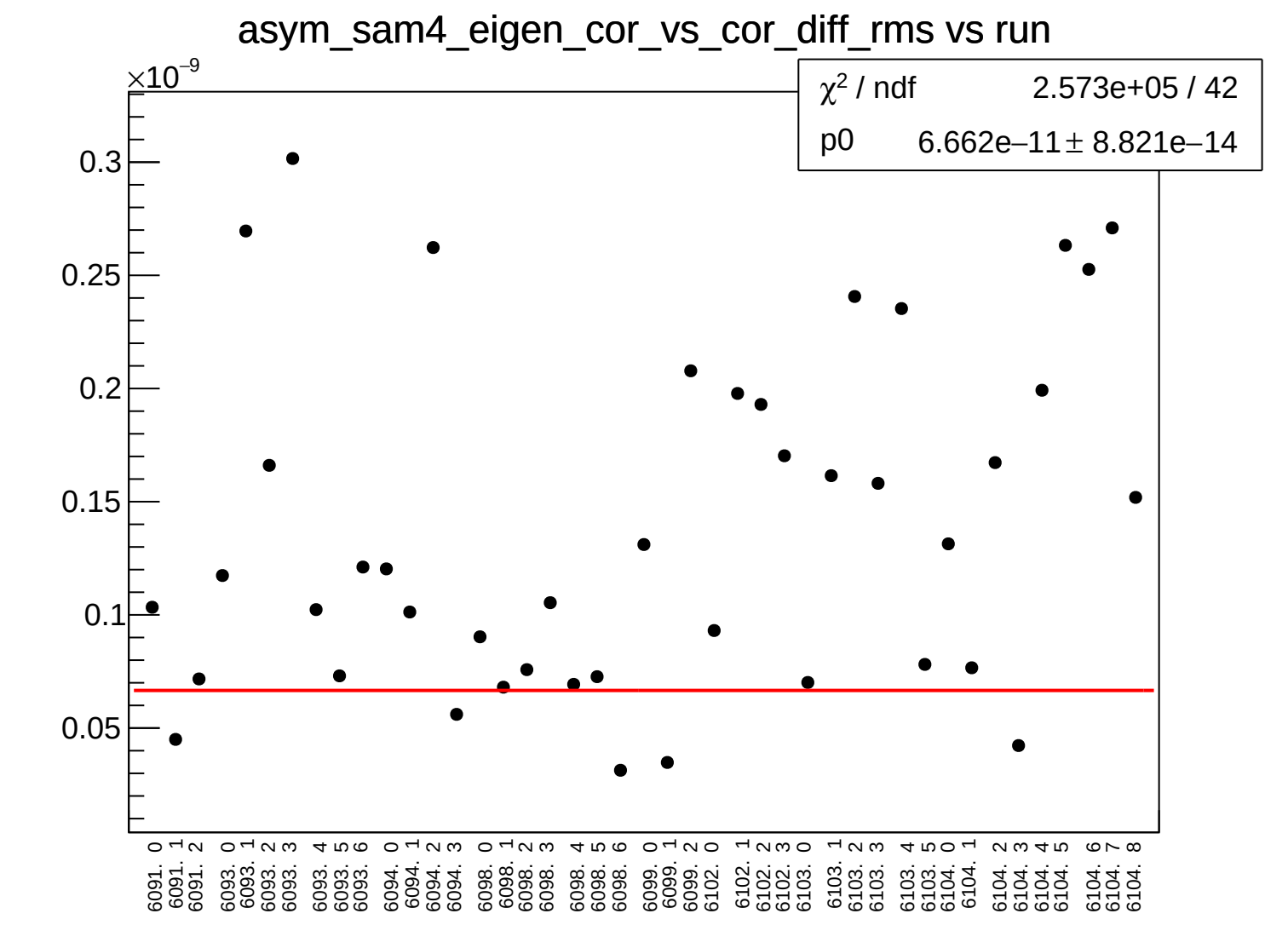

asym_sam4_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 2.394e+04 / 42
p0 77.73 ± 0.0867
140
130
120
110
100
90
80
70
60
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

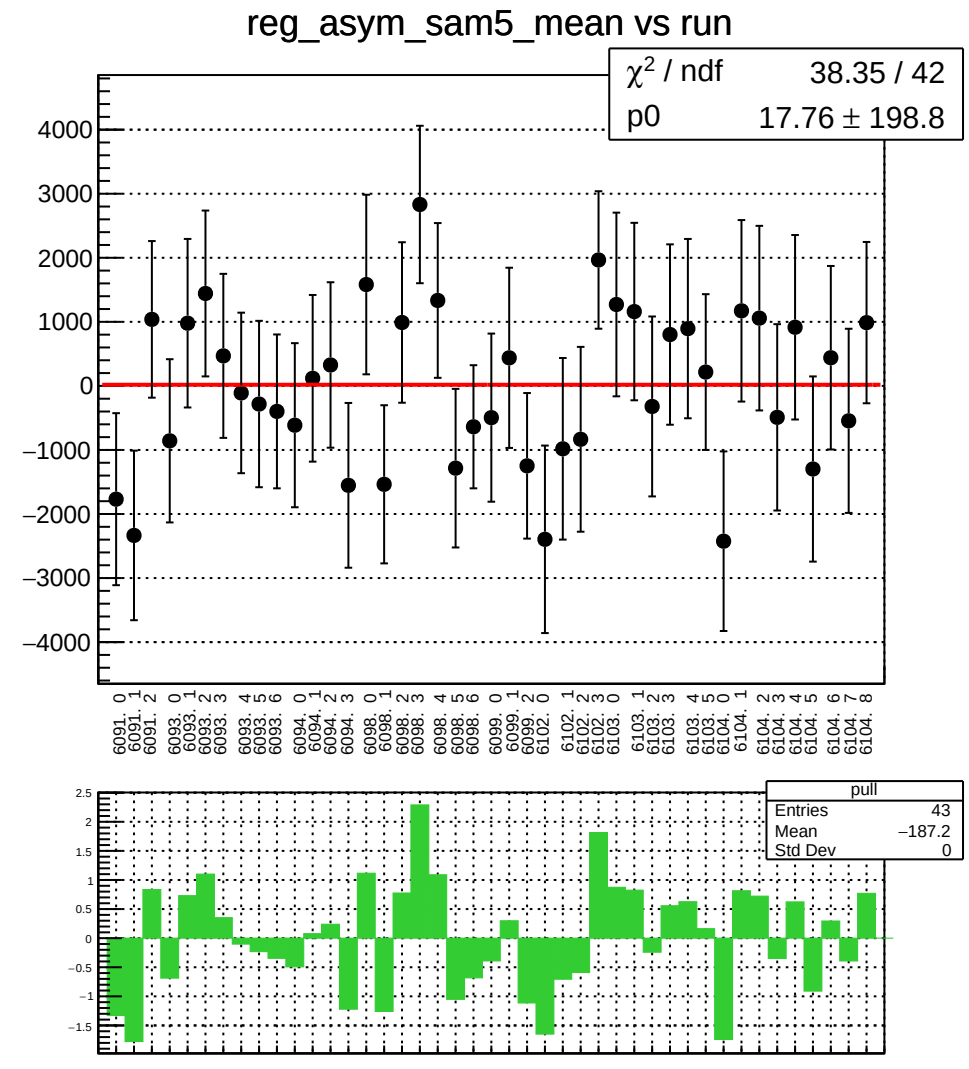

asym_sam4_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 49.6 / 42
p0 0.04066 ± 0.1226
pull
Entries 43
Mean 86.32
Std Dev 0

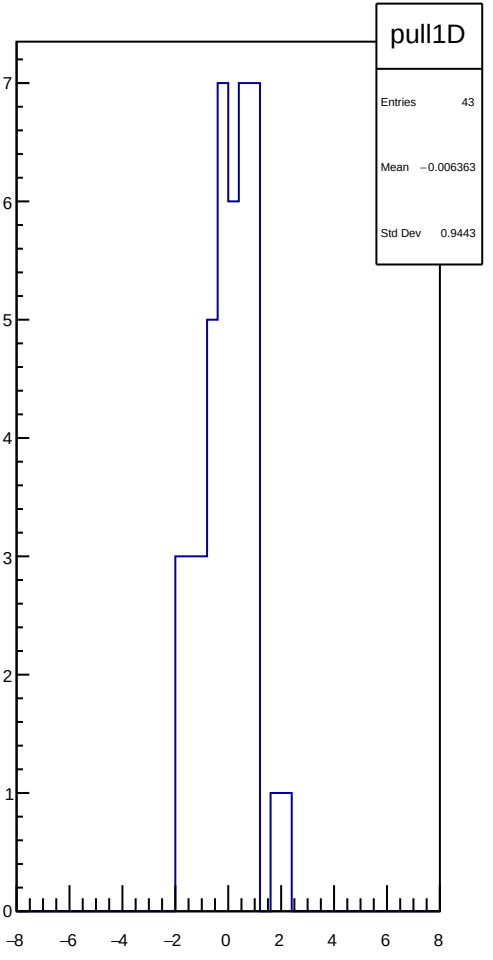

pull1D
Entries 43
Mean 0.02203
Std Dev 1.074

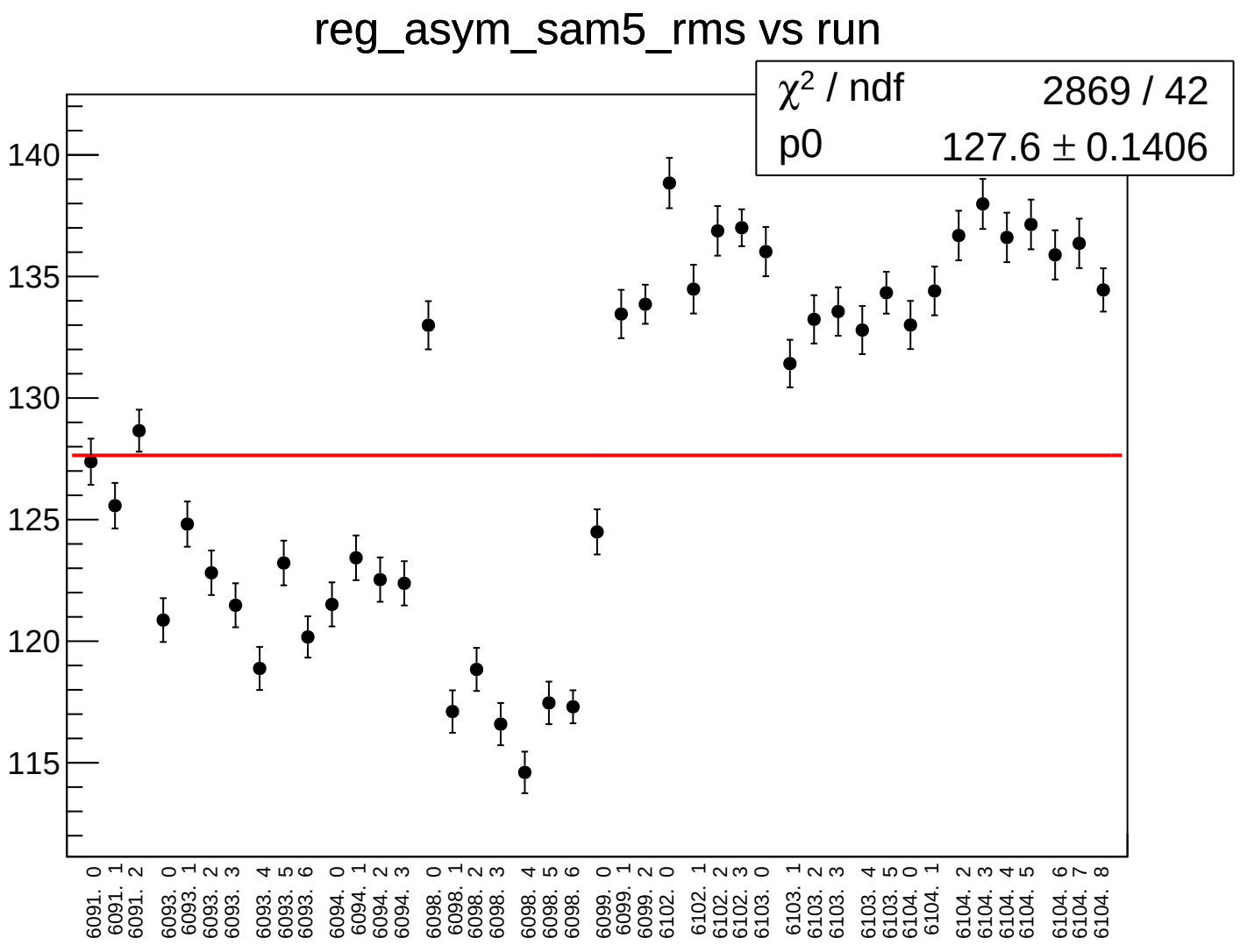

asym_sam4_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 2.394e+04 / 42
p0 77.73 ± 0.0867
140
130
120
110
100
90
80
70
60
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

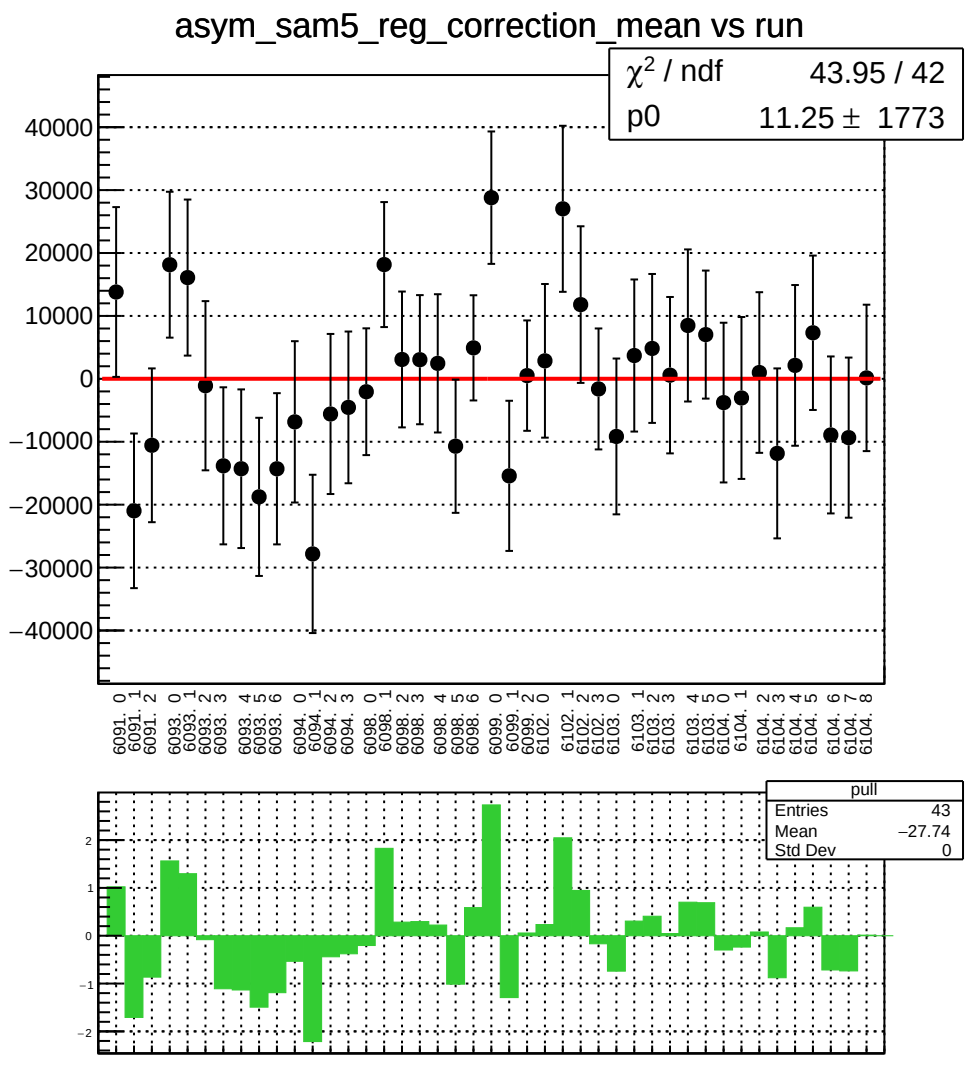

asym_sam4_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 42.69 / 42
p0 −9.794e−14 ± 1.247e−13
6
4
2
0
−2
−4
−6
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 295.4
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 43
Mean 0.006853
Std Dev 0.9963
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

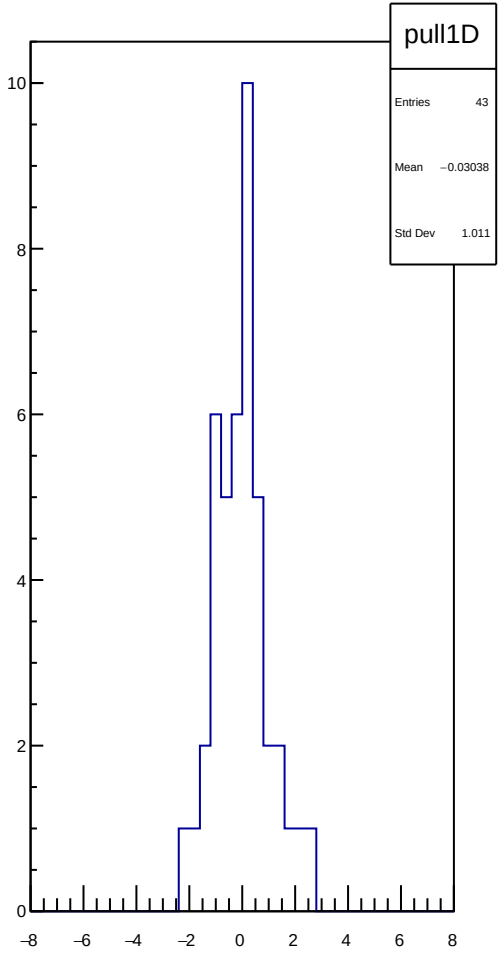

asym_sam4_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 2.573e+05 / 42
p0 6.662e−11 ± 8.821e−14
0.3
0.25
0.2
0.15
0.1
0.05
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

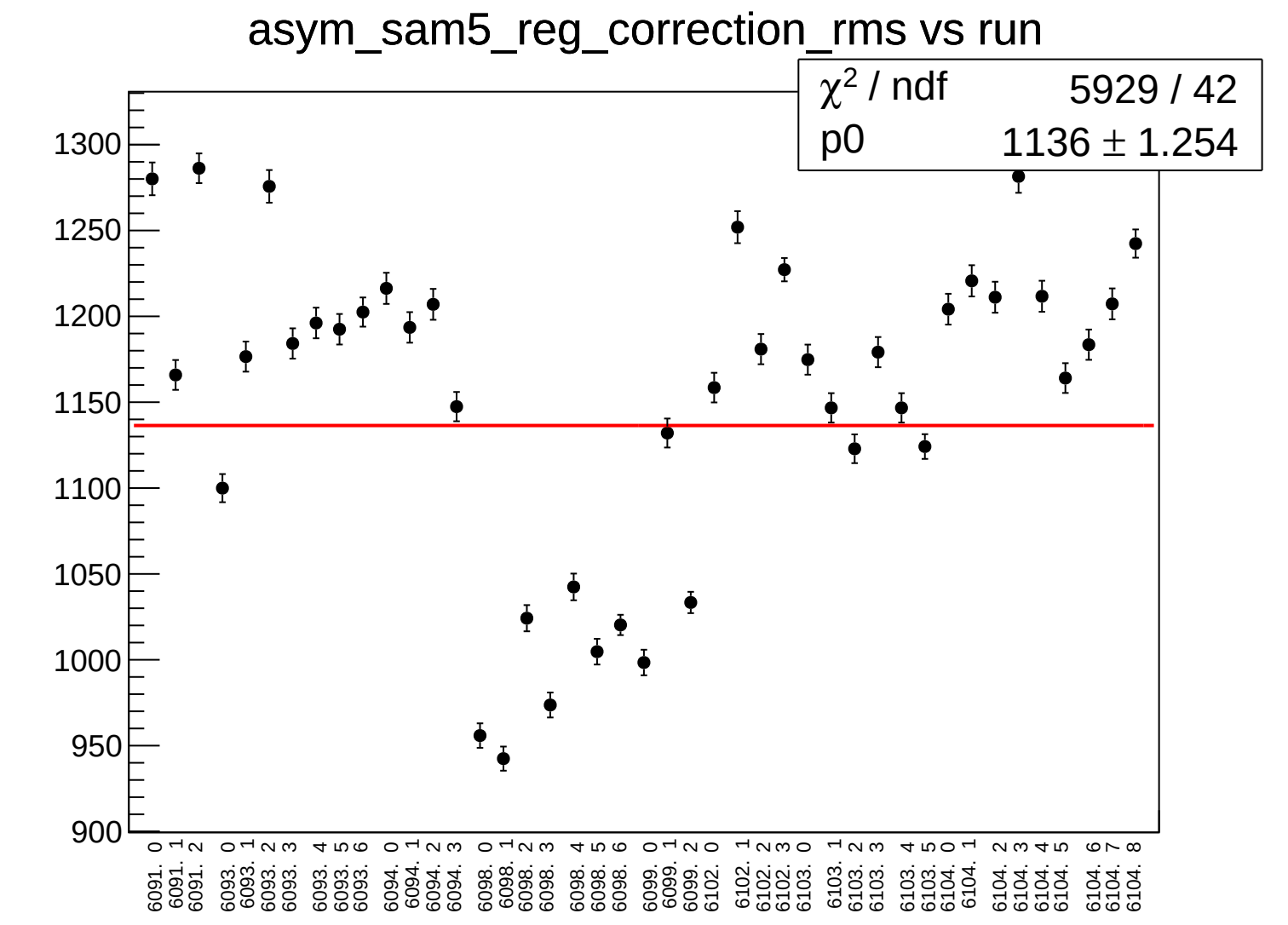

reg_asym_sam5_mean vs run
χ² / ndf 38.35 / 42
p0 17.76 ± 198.8
4000
3000
2000
1000
0
−1000
−2000
−3000
−4000
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean −187.2
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5

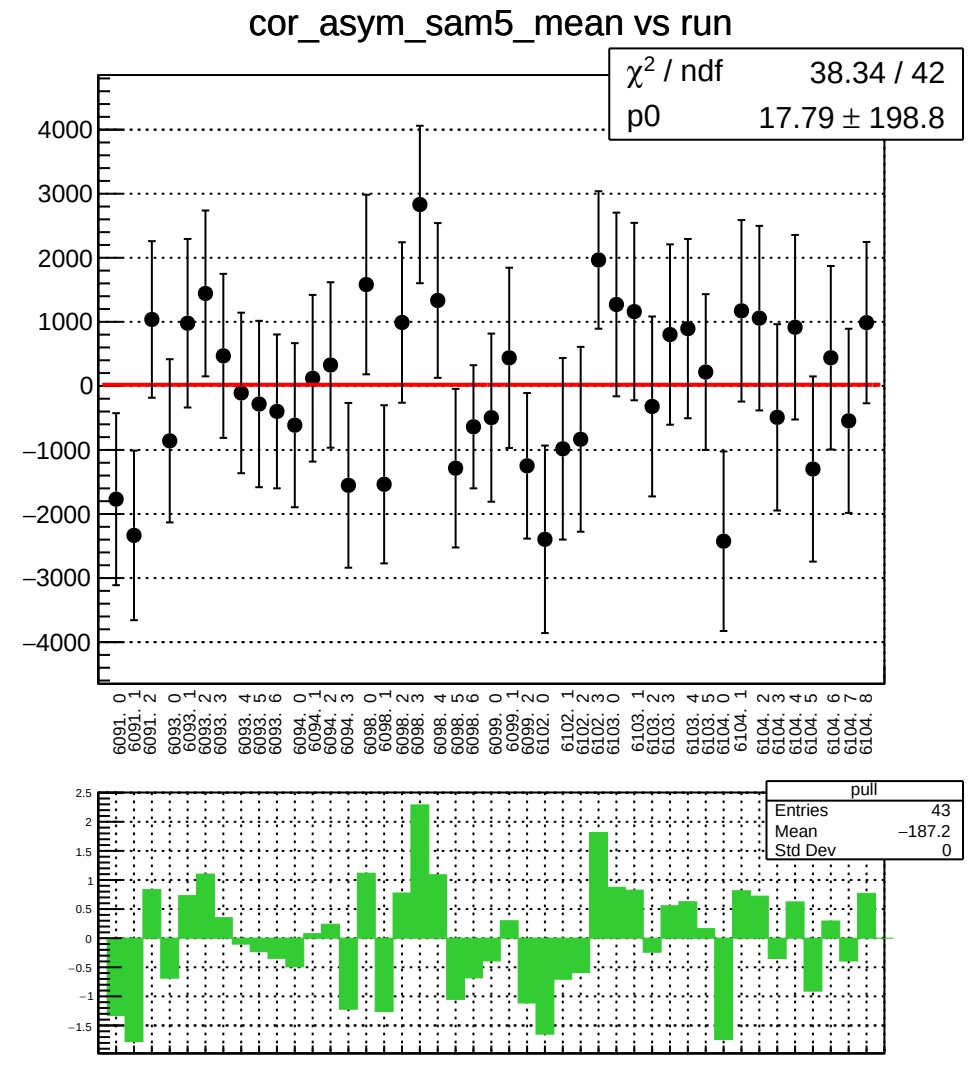

pull1D
Entries 43
Mean −0.006363
Std Dev 0.9443
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

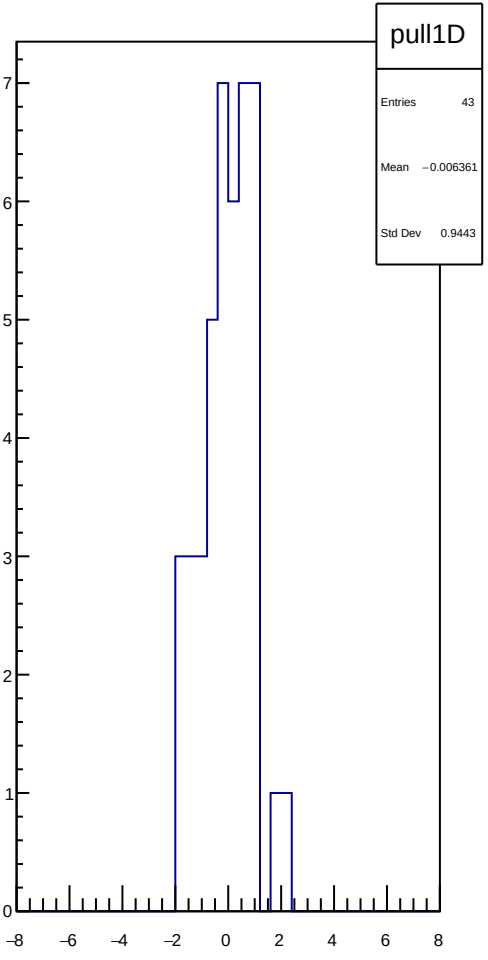

reg_asym_sam5_rms vs run
χ² / ndf 2869 / 42
p0 127.6 ± 0.1406
140
135
130
125
120
115
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

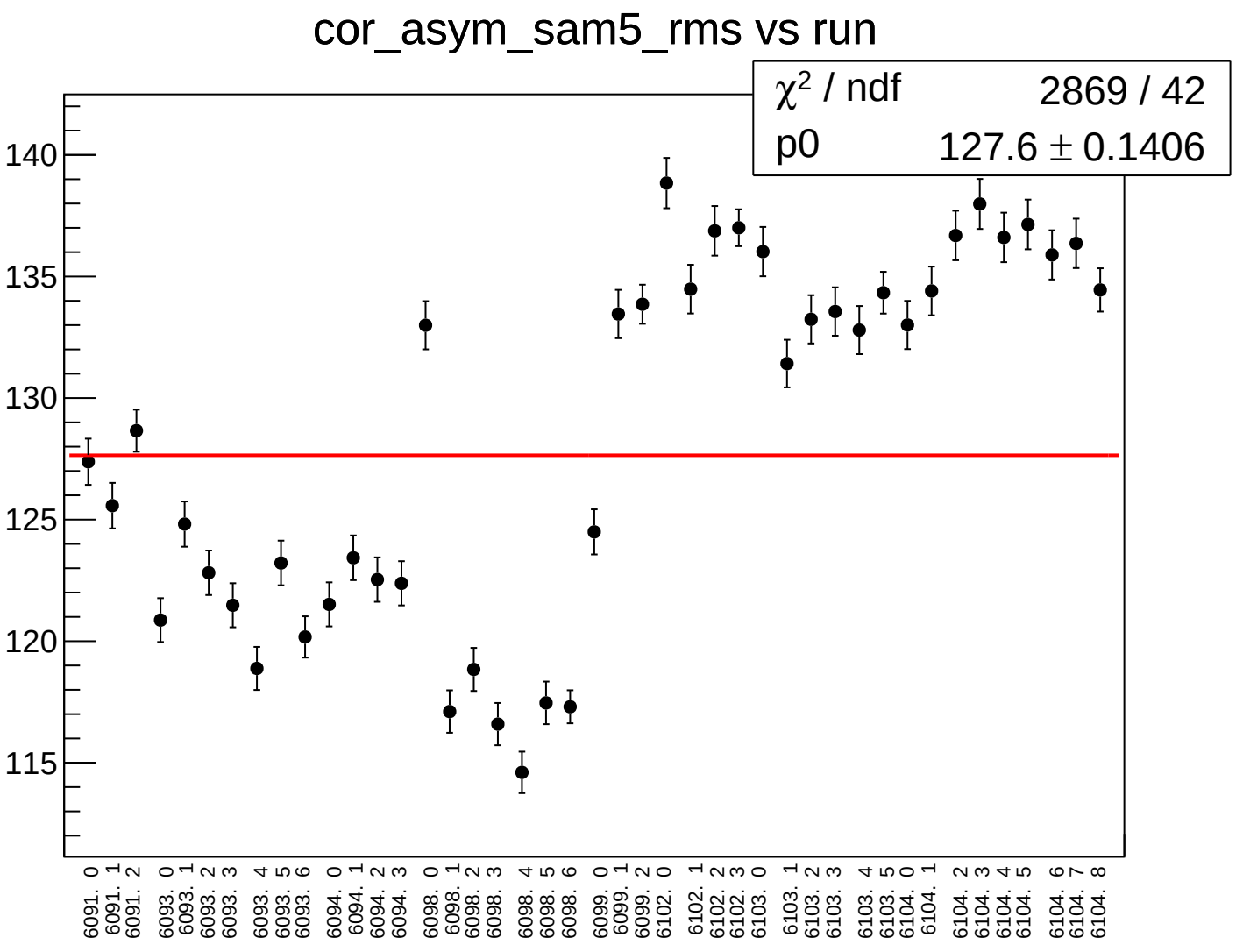

asym_sam5_reg_correction_mean vs run
χ² / ndf 43.95 / 42
p0 11.25 ± 1773
40000
30000
20000
10000
0
−10000
−20000
−30000
−40000
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean −27.74
Std Dev 0
2
1
0
−1
−2

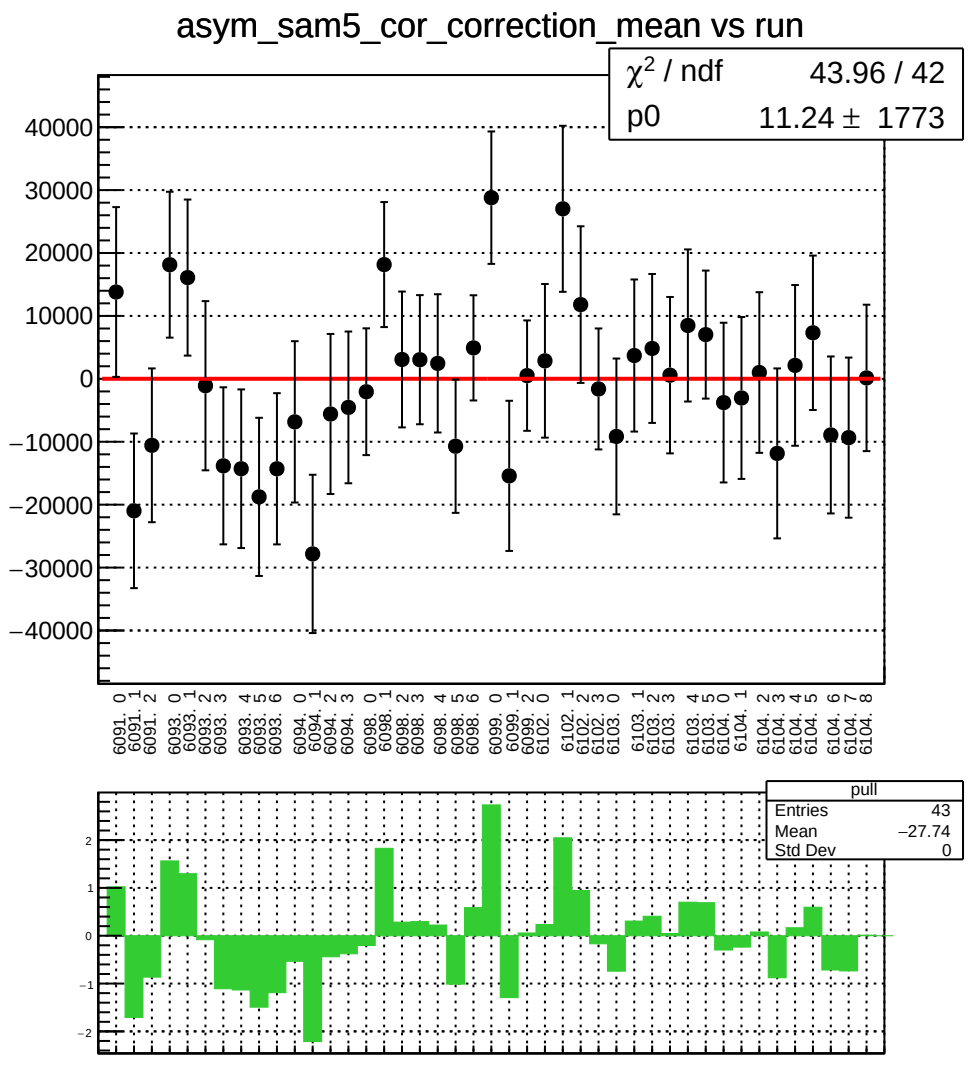

pull1D
Entries 43
Mean −0.03038
Std Dev 1.011
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

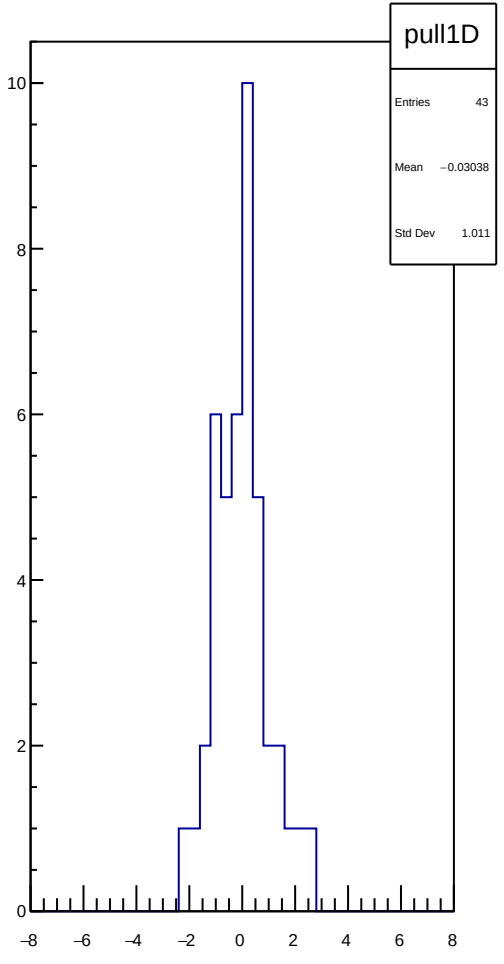

asym_sam5_reg_correction_rms vs run
χ² / ndf 5929 / 42
p0 1136 ± 1.254
1300
1250
1200
1150
1100
1050
1000
950
900
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

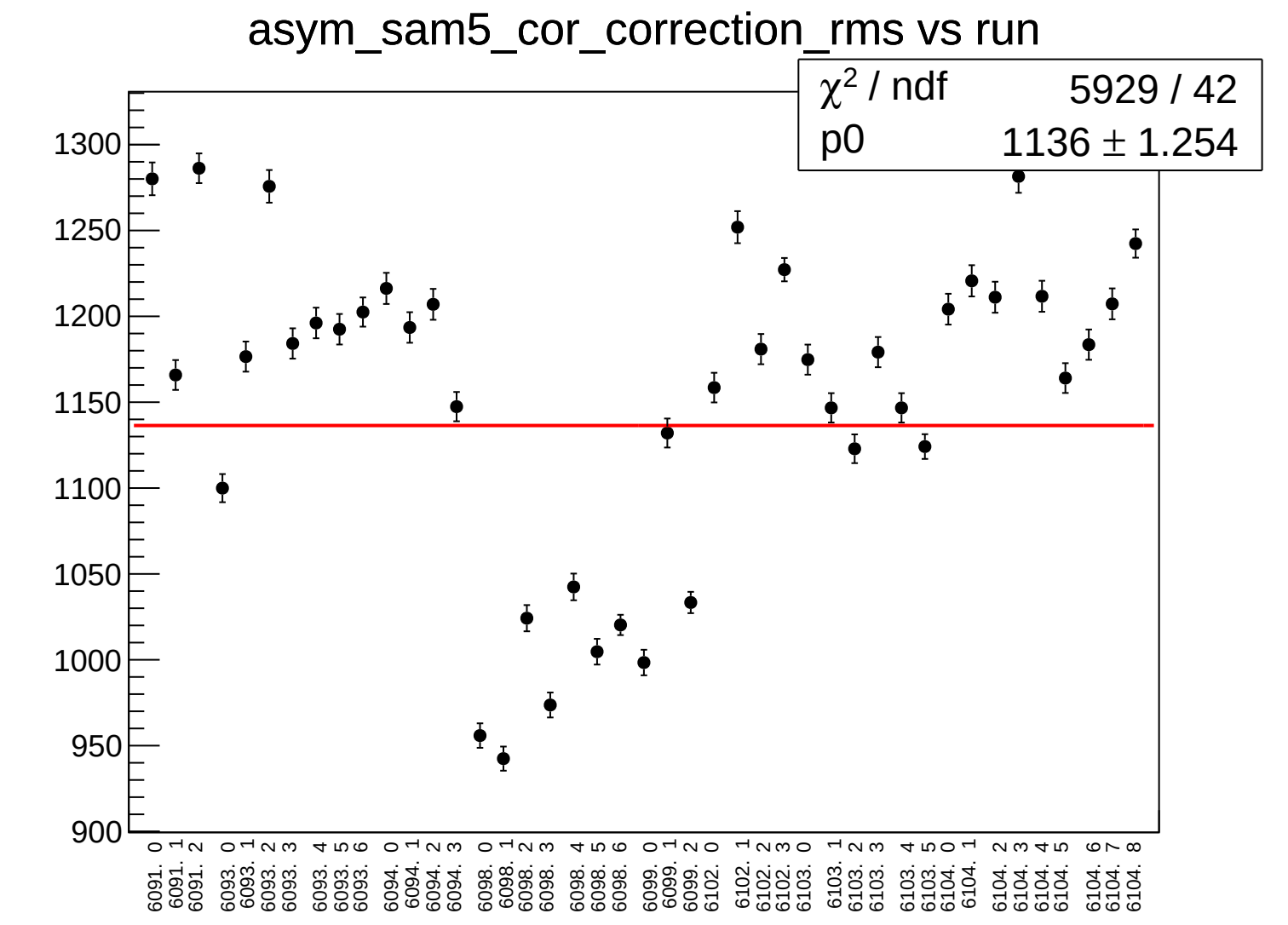

cor_asym_sam5_mean vs run
χ² / ndf 38.34 / 42
p0 17.79 ± 198.8
4000
3000
2000
1000
0
−1000
−2000
−3000
−4000
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean −187.2
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5

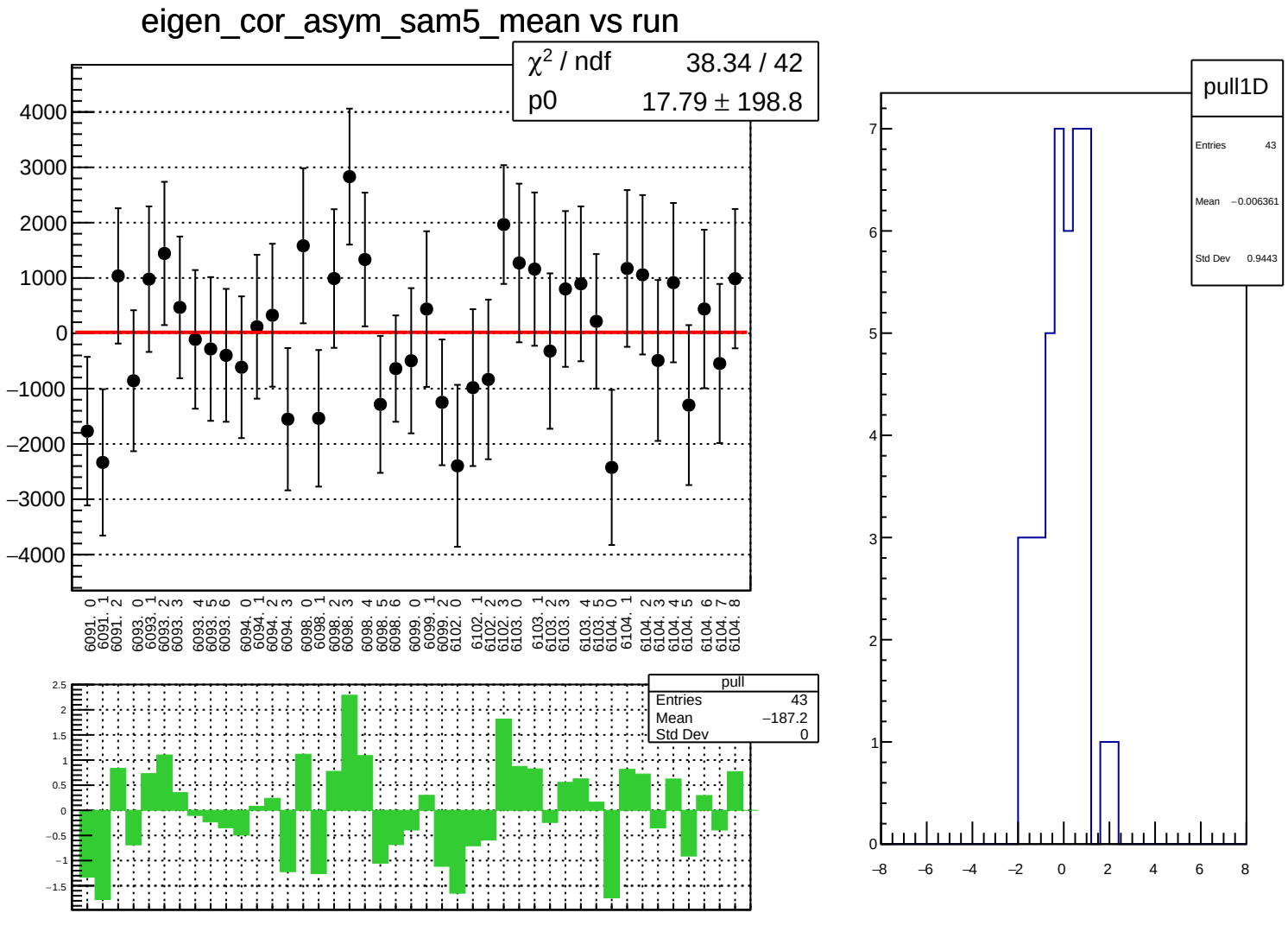

pull1D
Entries 43
Mean −0.006361
Std Dev 0.9443
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

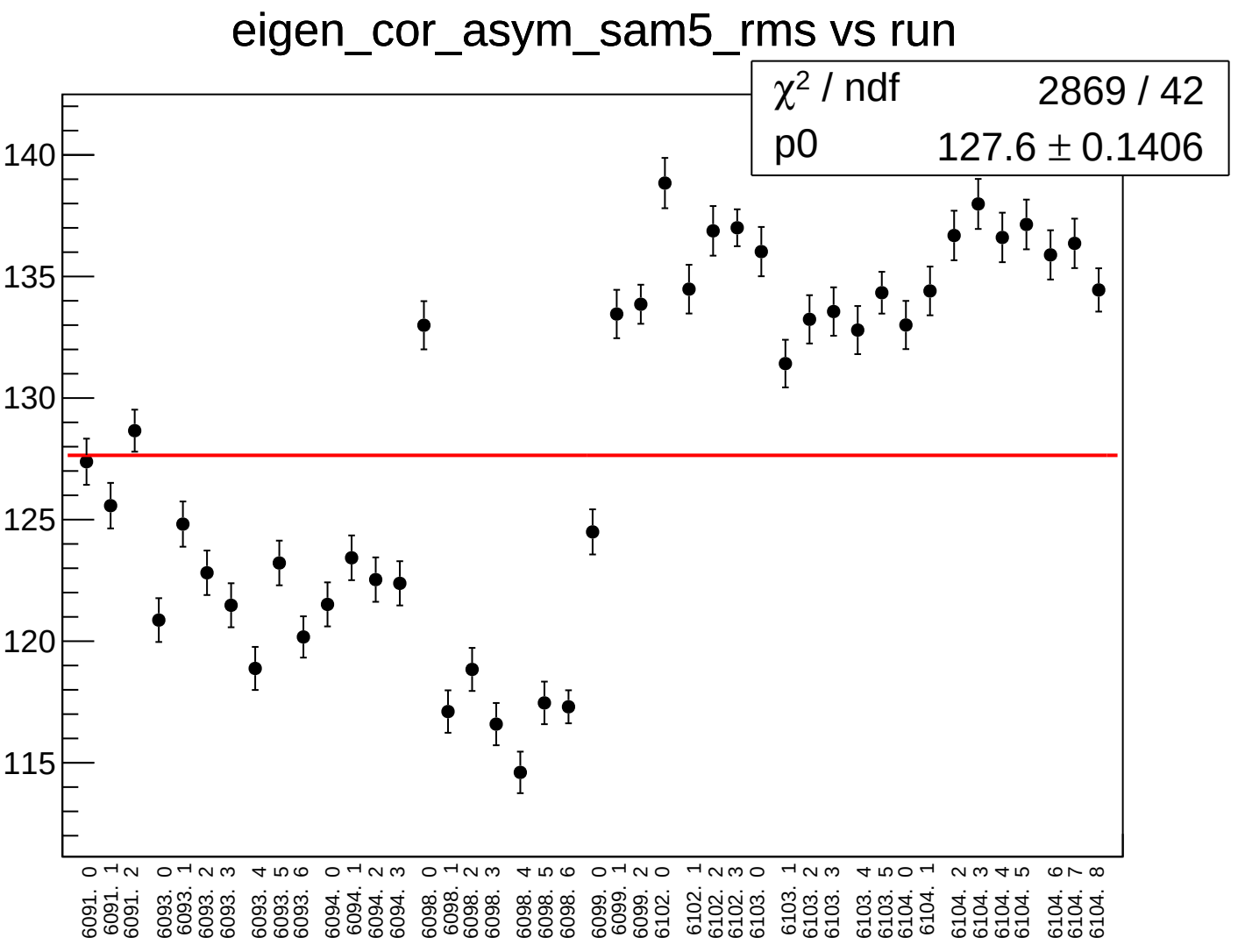

cor_asym_sam5_rms vs run
χ² / ndf 2869 / 42
p0 127.6 ± 0.1406
140
135
130
125
120
115
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

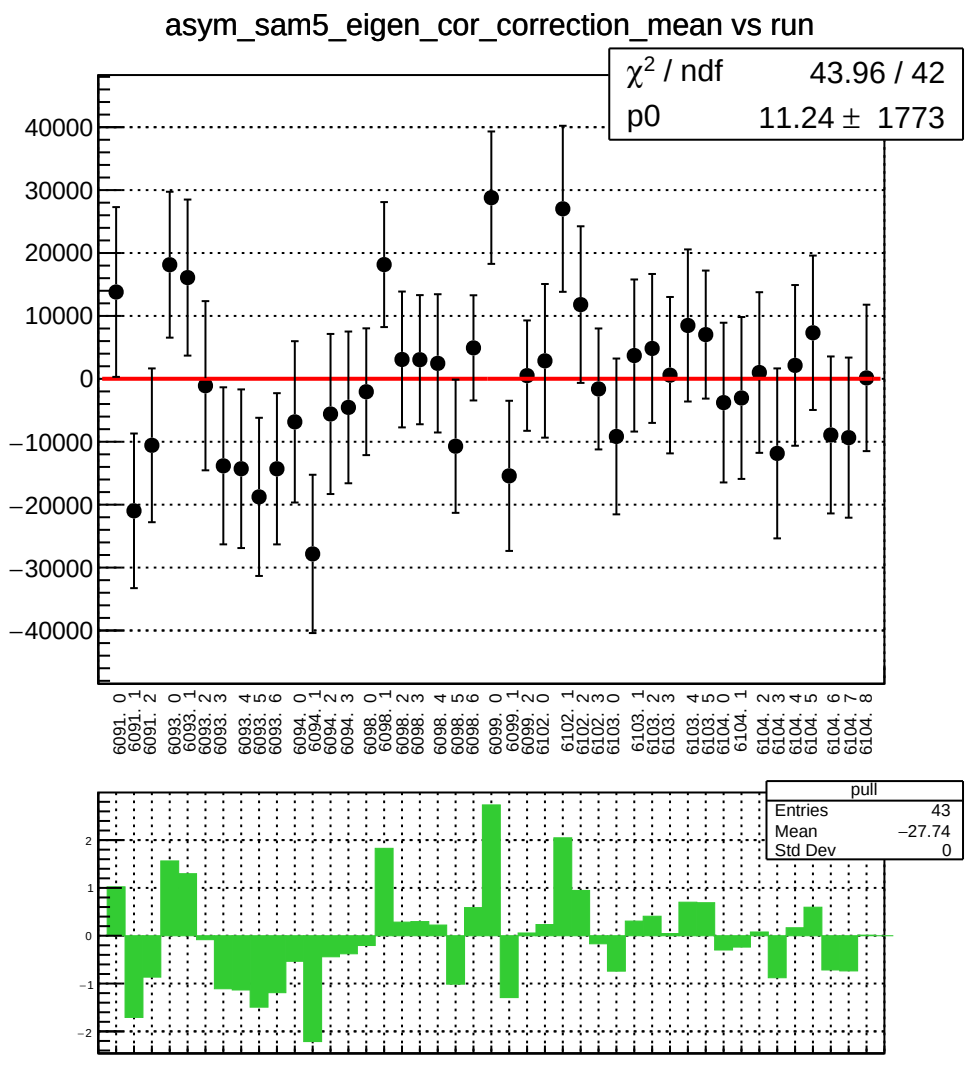

asym_sam5_cor_correction_mean vs run
χ² / ndf 43.96 / 42
p0 11.24 ± 1773
40000
30000
20000
10000
0
−10000
−20000
−30000
−40000
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean −27.74
Std Dev 0
2
1
0
−1
−2

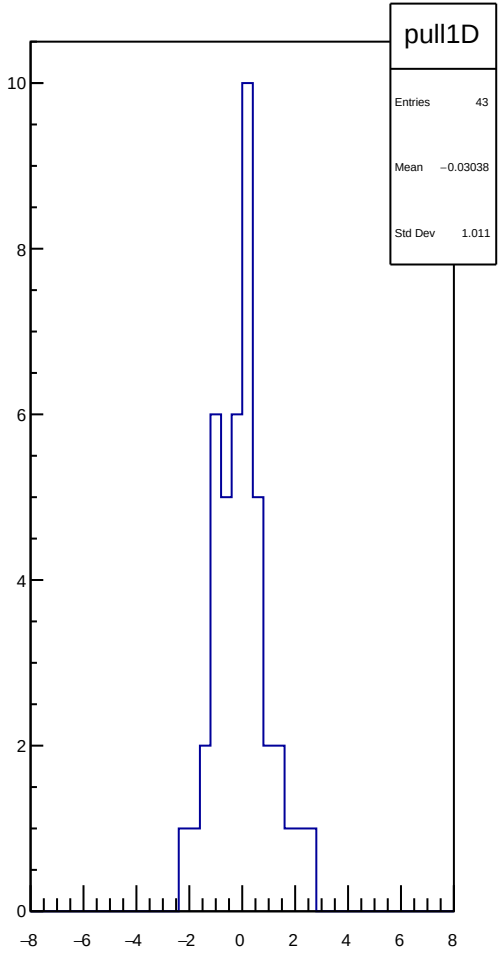

pull1D
Entries 43
Mean −0.03038
Std Dev 1.011
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

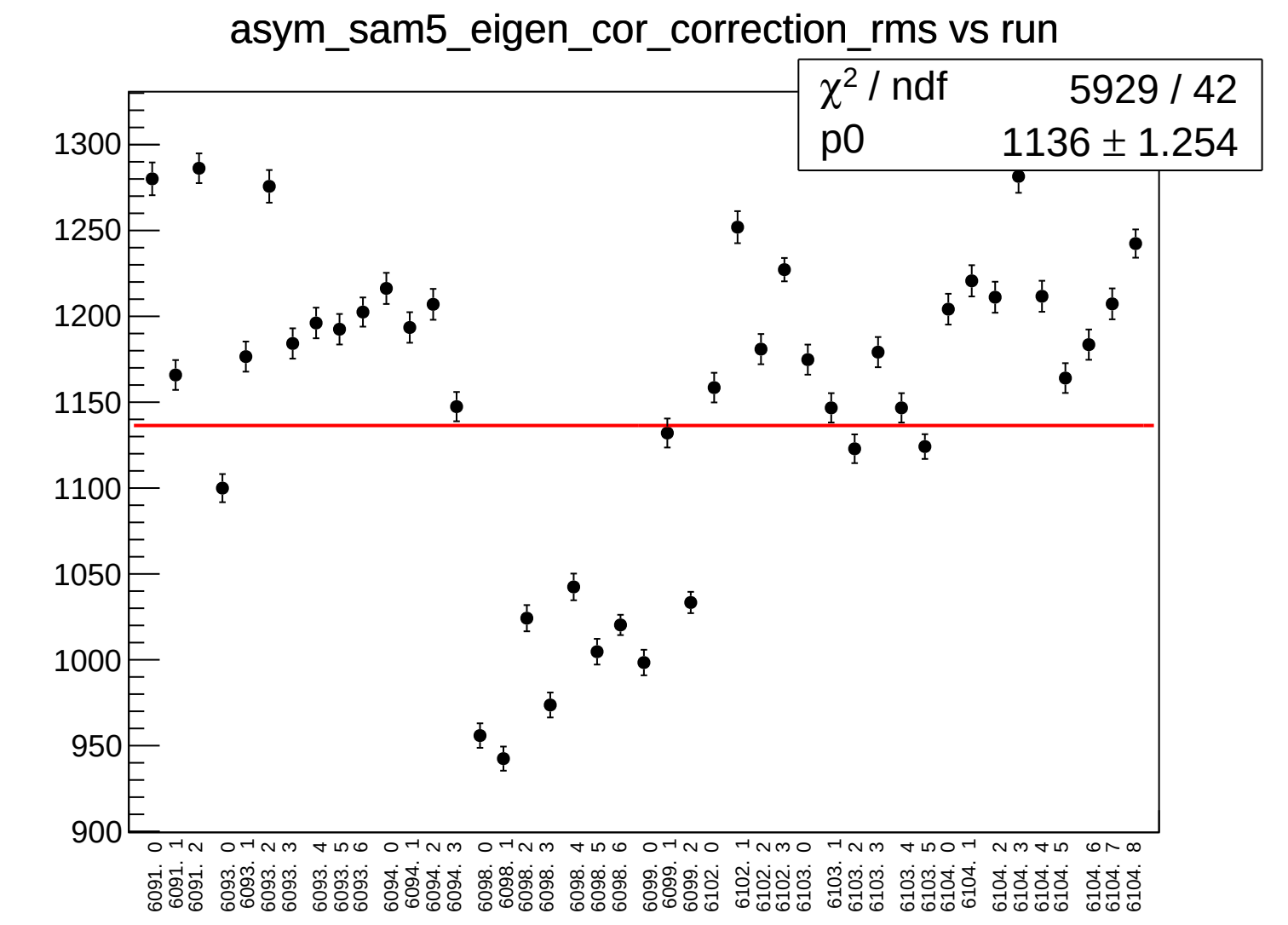

asym_sam5_cor_correction_rms vs run
χ² / ndf 5929 / 42
p0 1136 ± 1.254
1300
1250
1200
1150
1100
1050
1000
950
900
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

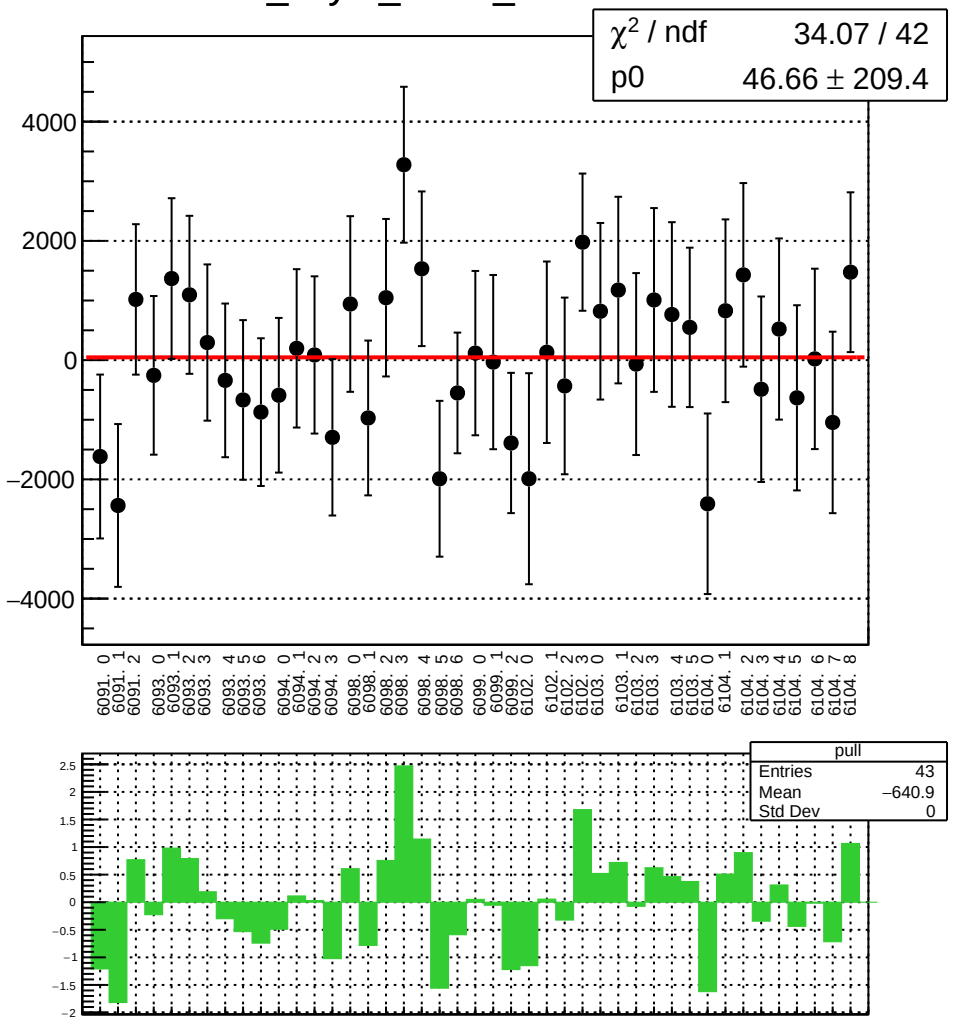

eigen_cor_asym_sam5_mean vs run
χ² / ndf 38.34 / 42
p0 17.79 ± 198.8
4000
3000
2000
1000
0
−1000
−2000
−3000
−4000
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean −187.2
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 43
Mean −0.006361
Std Dev 0.9443
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

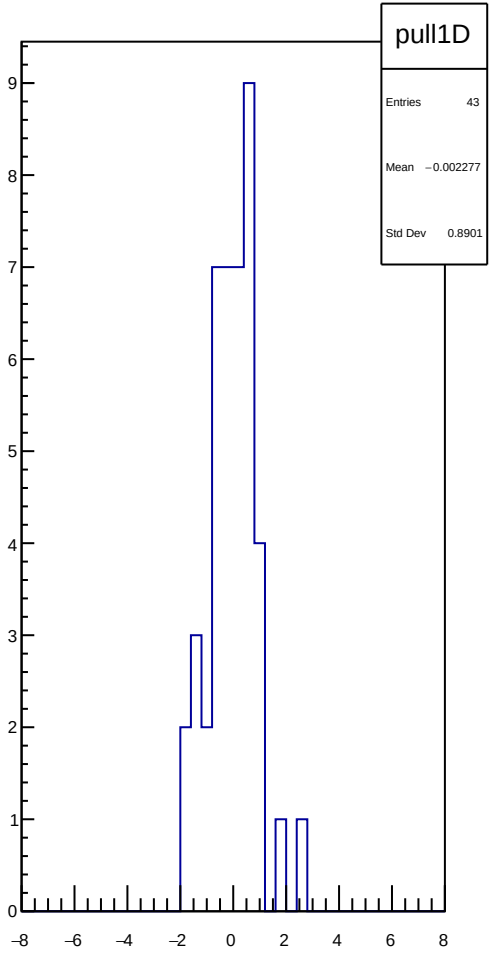

eigen_cor_asym_sam5_rms vs run
χ² / ndf 2869 / 42
p0 127.6 ± 0.1406
140
135
130
125
120
115
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

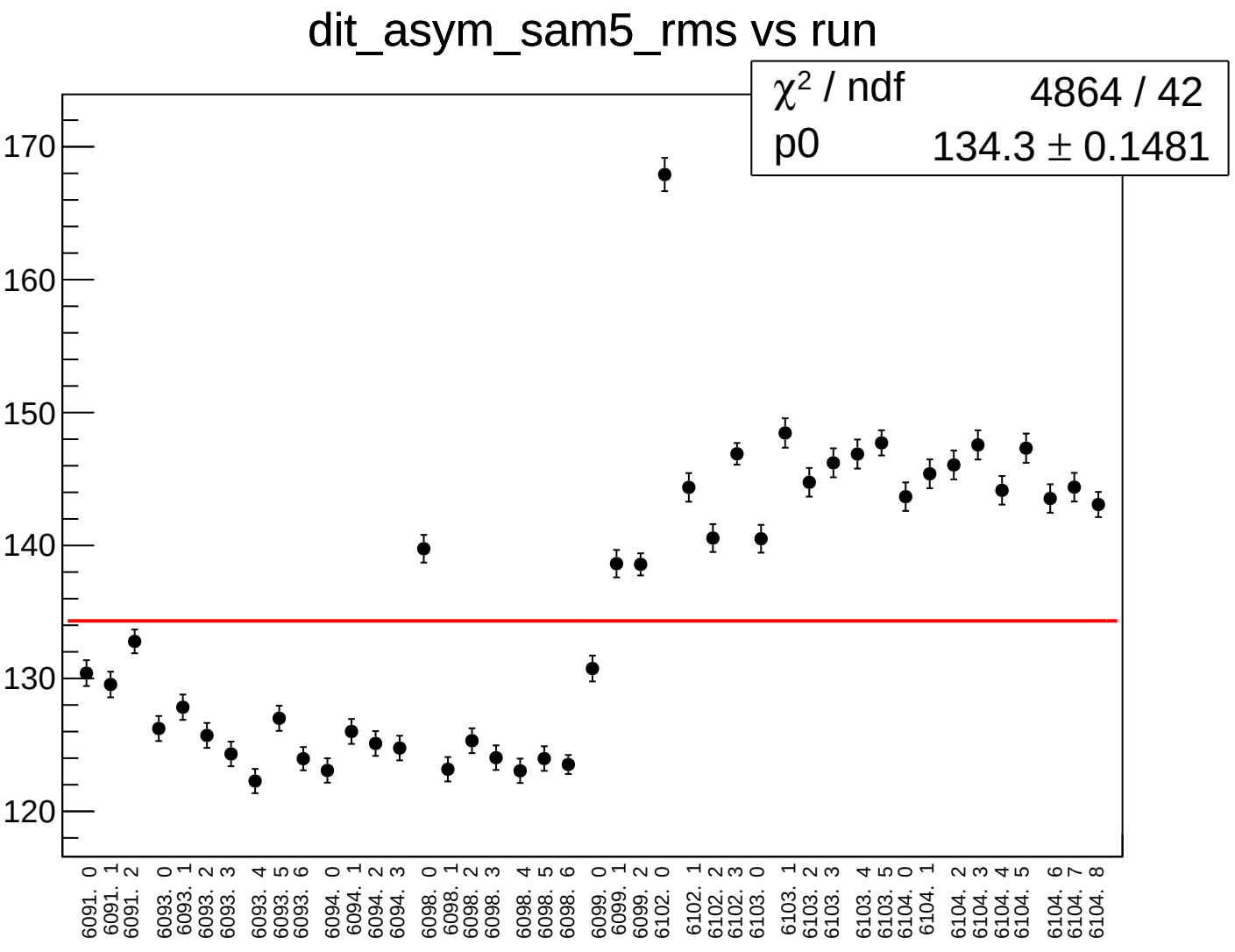

asym_sam5_eigen_cor_correction_mean vs run
χ² / ndf 43.96 / 42
p0 11.24 ± 1773
pull
Entries 43
Mean −27.74
Std Dev 0

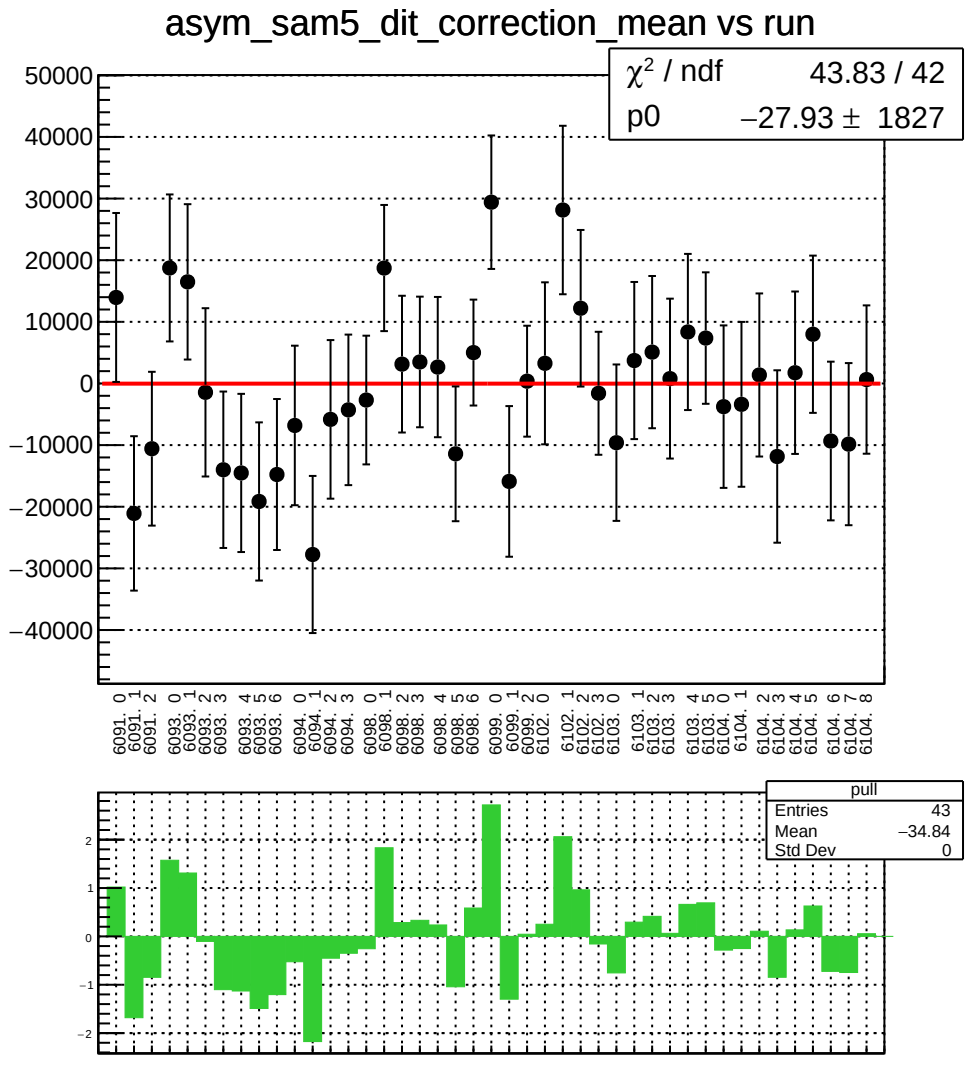

pull1D
Entries 43
Mean −0.03038
Std Dev 1.011

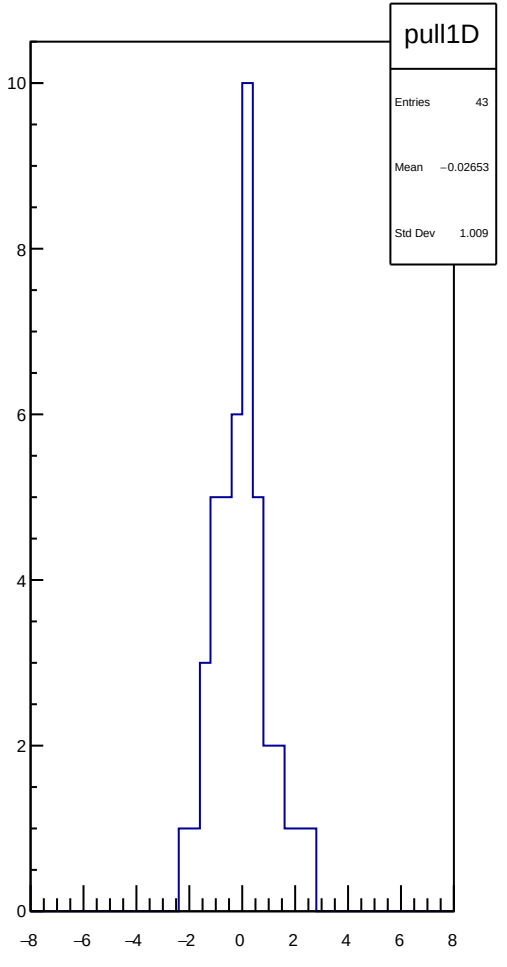

asym_sam5_eigen_cor_correction_rms vs run
χ² / ndf 5929 / 42
p0 1136 ± 1.254
1300
1250
1200
1150
1100
1050
1000
950
900
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

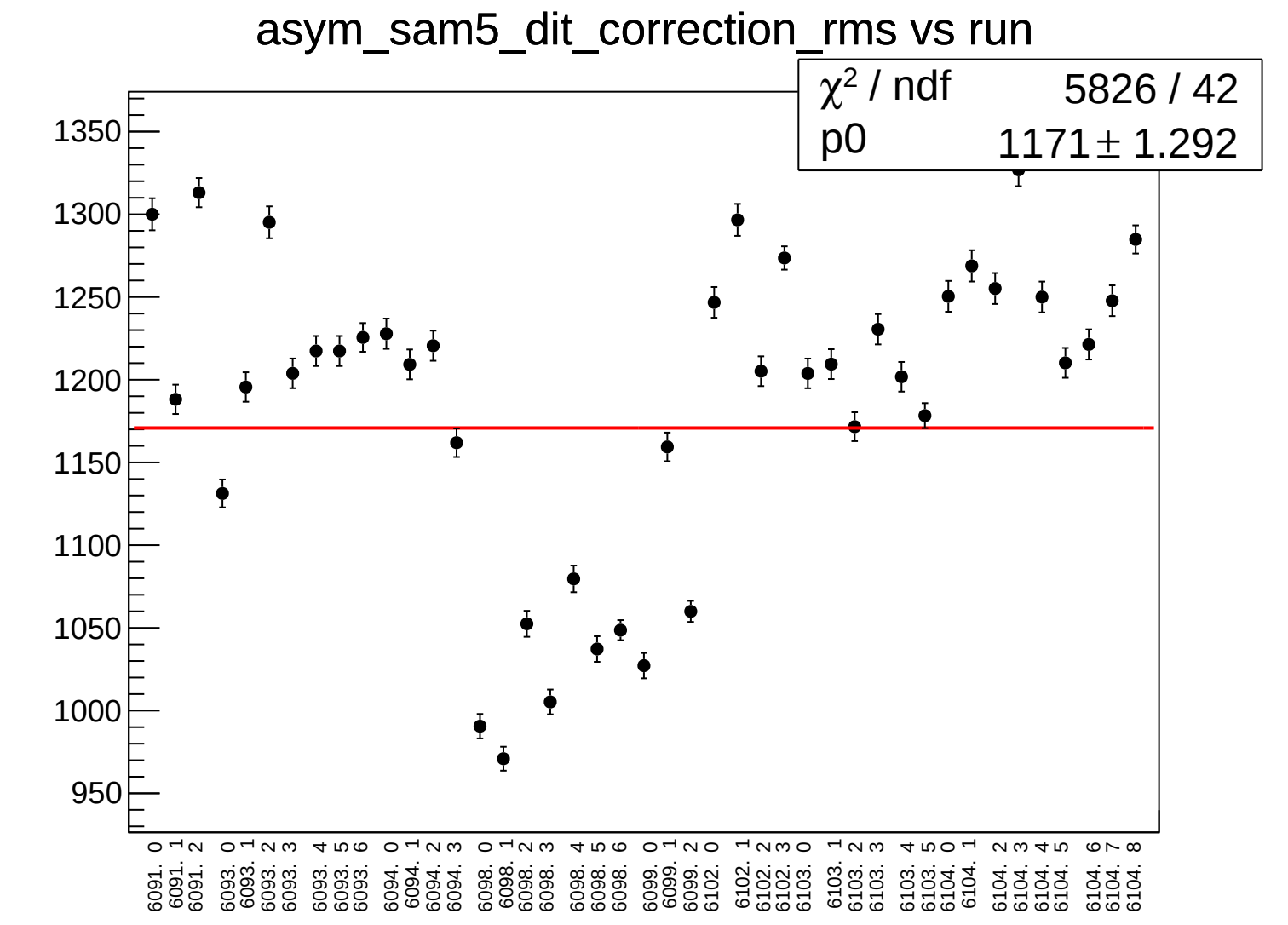

dit_asym_sam5_mean vs run
χ² / ndf 34.07 / 42
p0 46.66 ± 209.4
4000
2000
0
−2000
−4000
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean −640.9
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

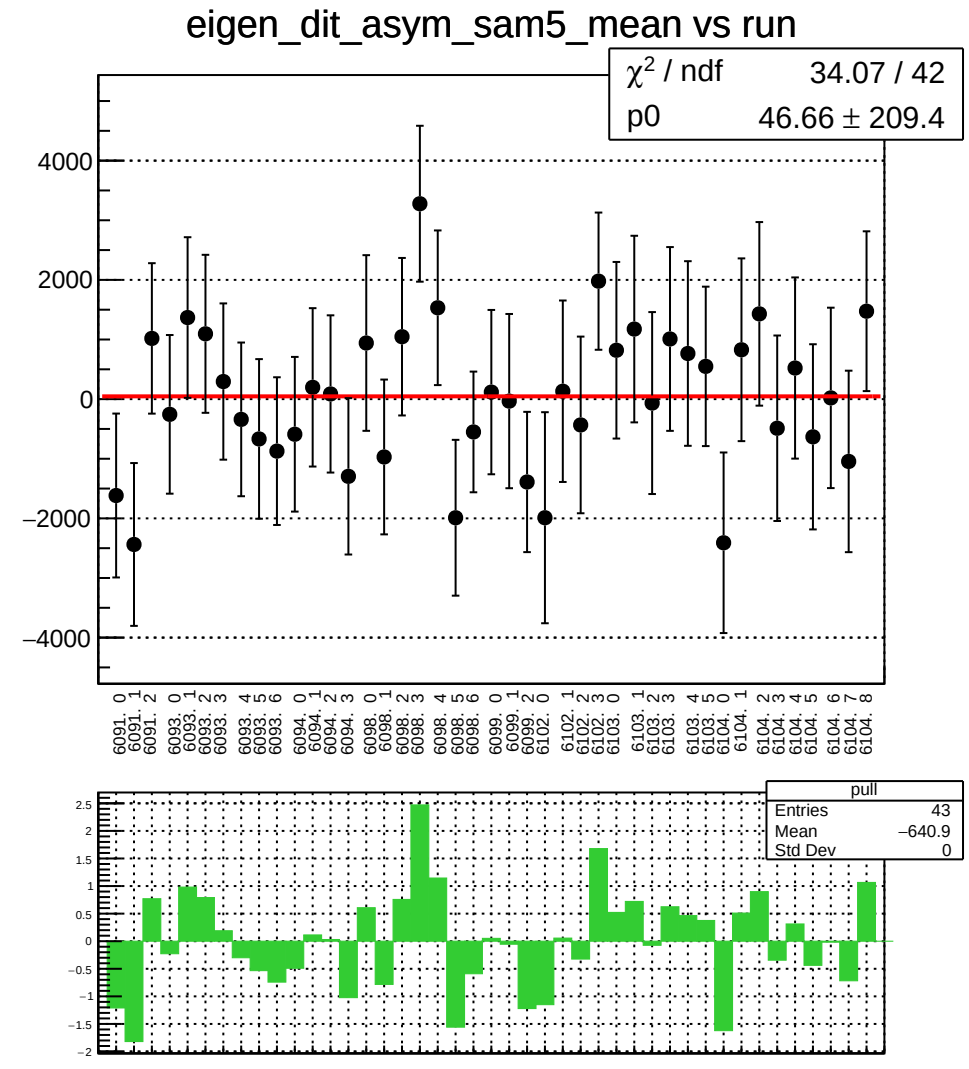

pull1D
Entries 43
Mean −0.002277
Std Dev 0.8901
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

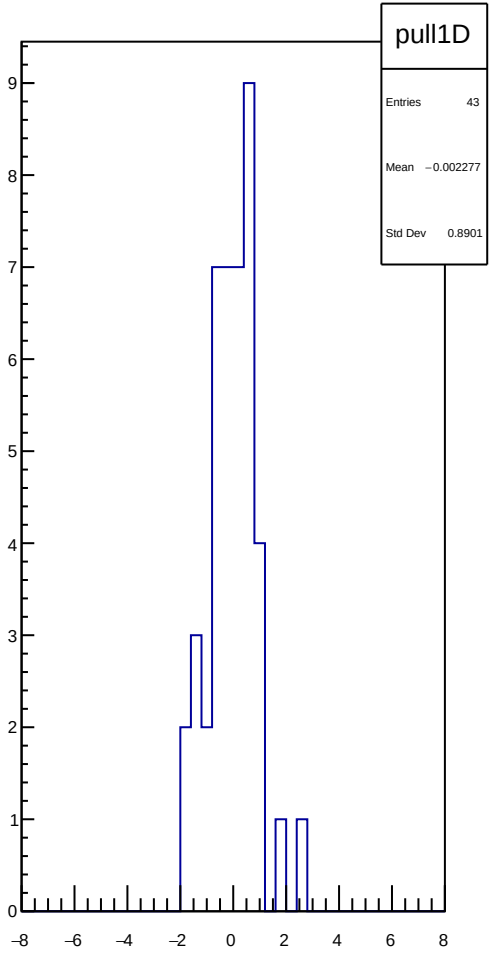

dit_asym_sam5_rms vs run
χ² / ndf 4864 / 42
p0 134.3 ± 0.1481
170
160
150
140
130
120
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

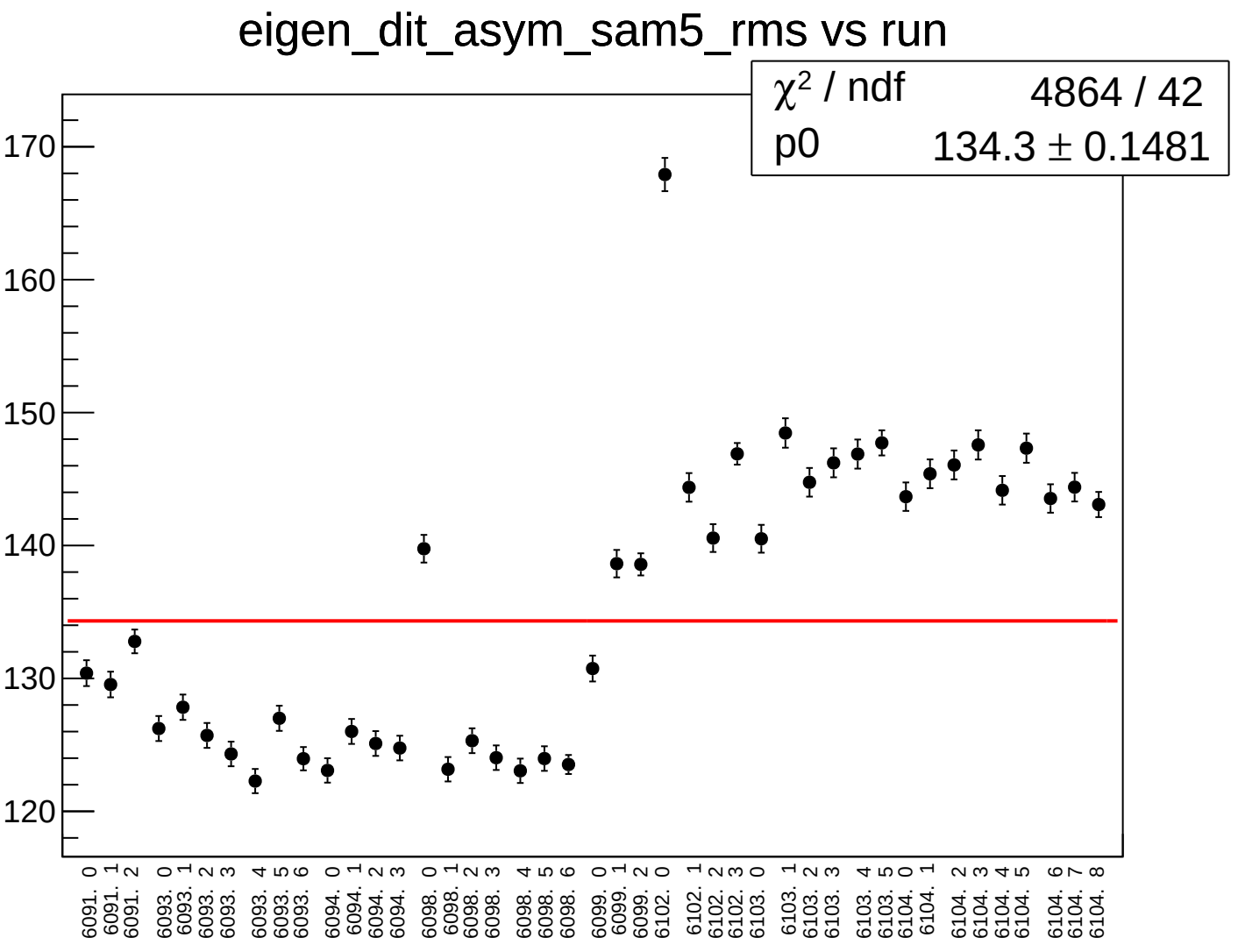

asym_sam5_dit_correction_mean vs run
χ² / ndf 43.83 / 42
p0 −27.93 ± 1827
50000
40000
30000
20000
10000
0
−10000
−20000
−30000
−40000
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean −34.84
Std Dev 0
2
1
0
−1
−2

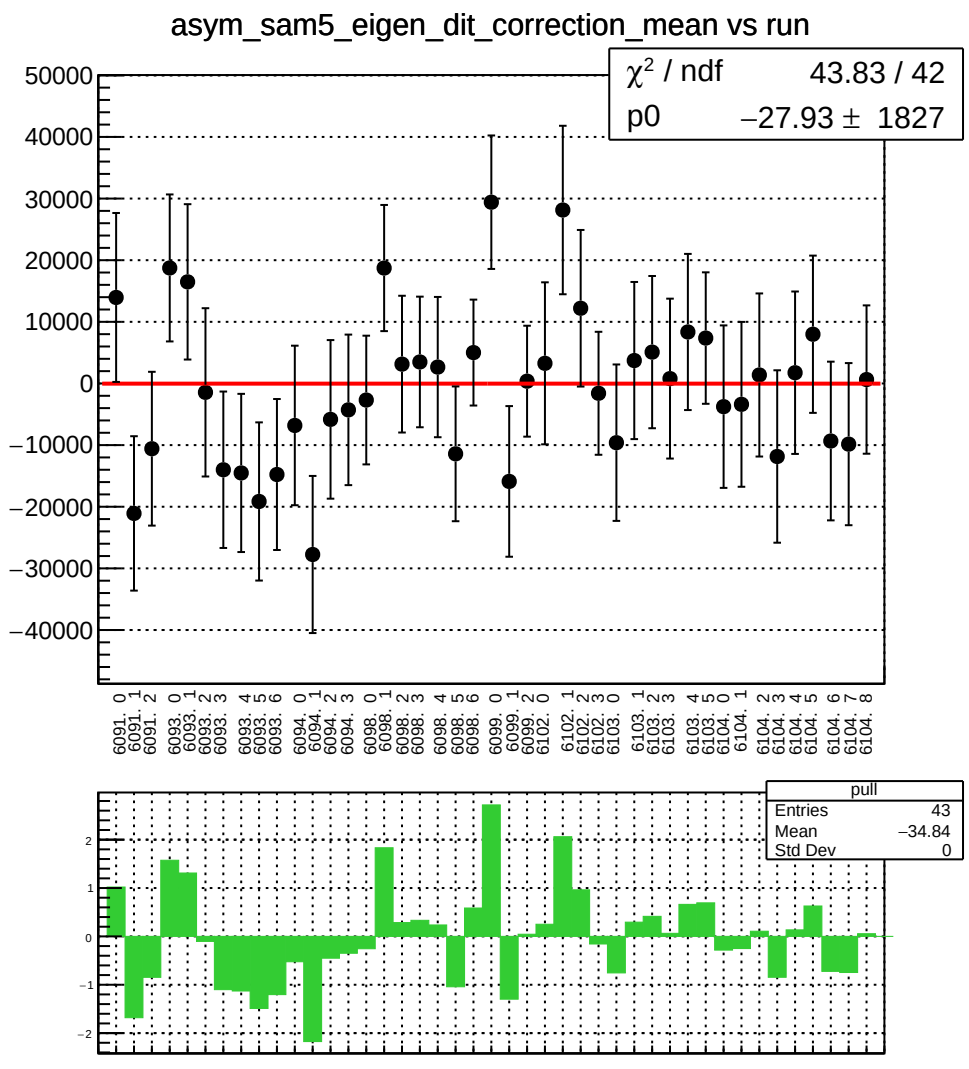

pull1D
Entries 43
Mean −0.02653
Std Dev 1.009
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

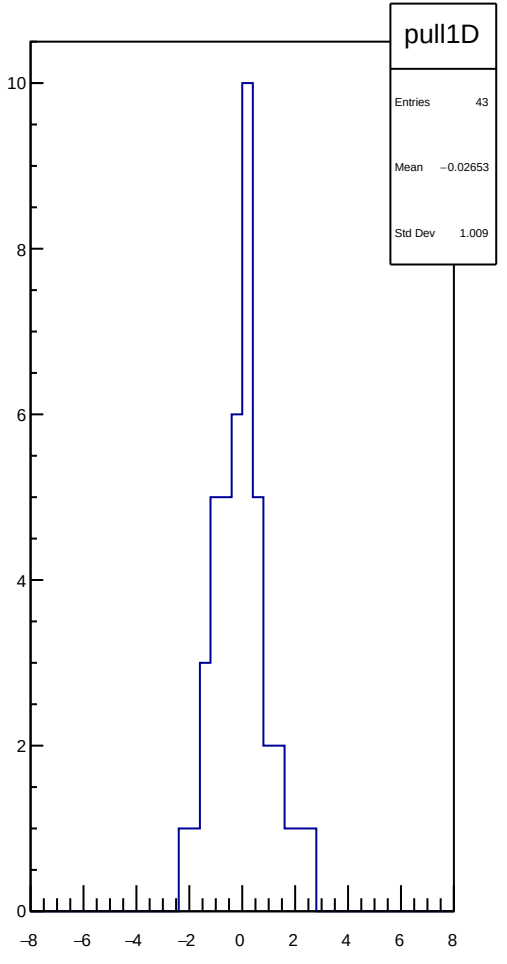

asym_sam5_dit_correction_rms vs run
χ² / ndf 5826 / 42
p0 1171 ± 1.292
1350
1300
1250
1200
1150
1100
1050
1000
950
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

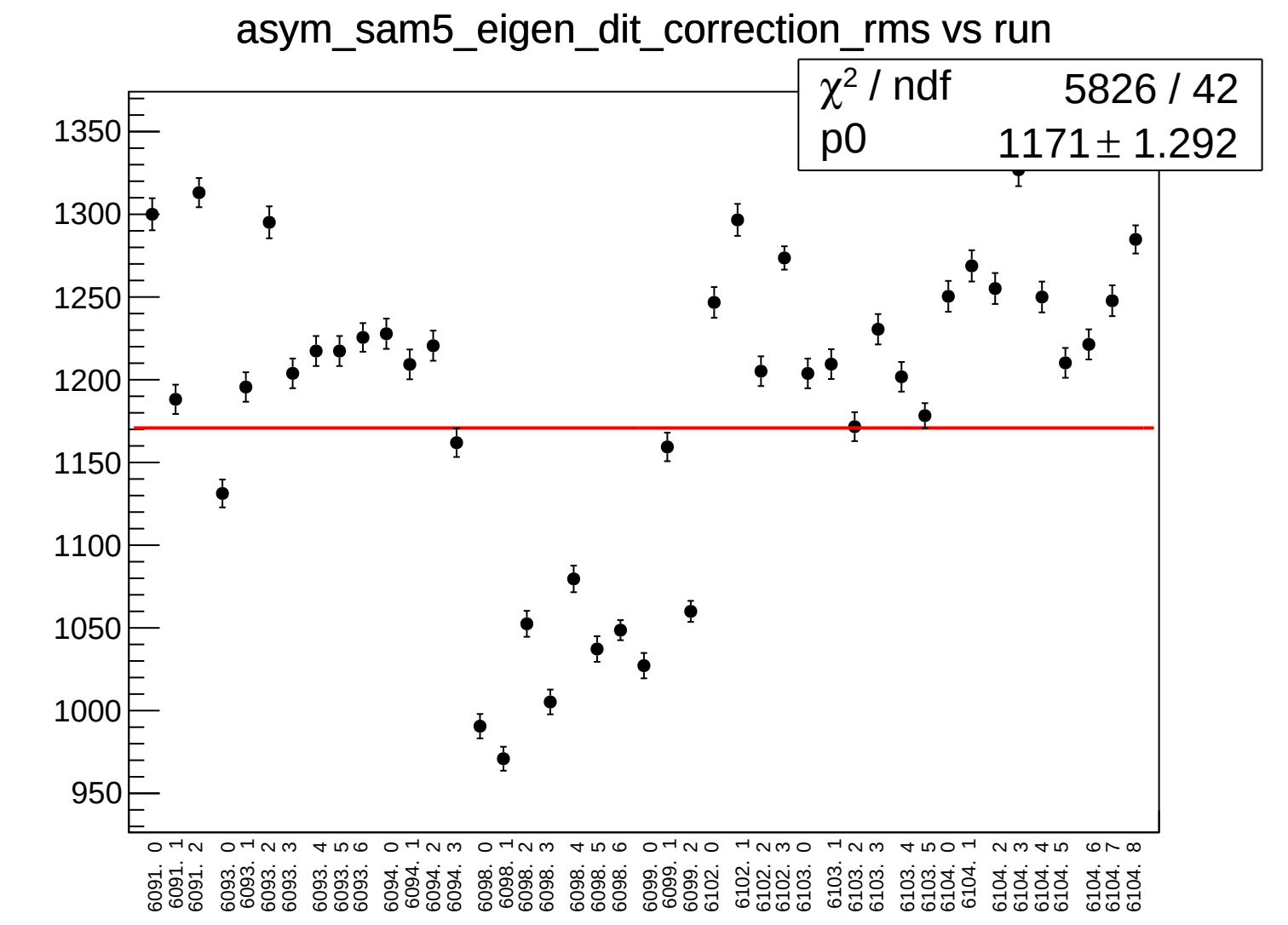

eigen_dit_asym_sam5_mean vs run
χ² / ndf 34.07 / 42
p0 46.66 ± 209.4
4000
2000
0
−2000
−4000
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean −640.9
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

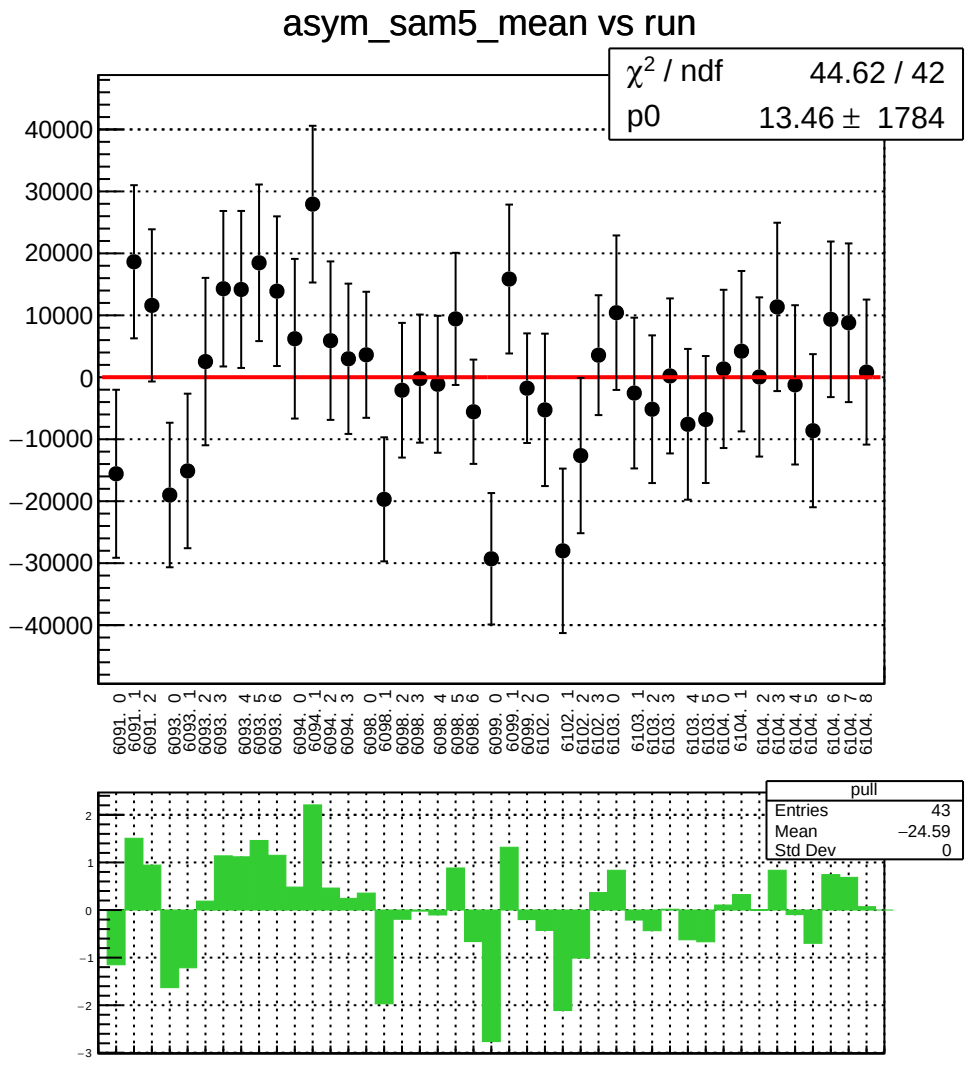

pull1D
Entries 43
Mean −0.002277
Std Dev 0.8901
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

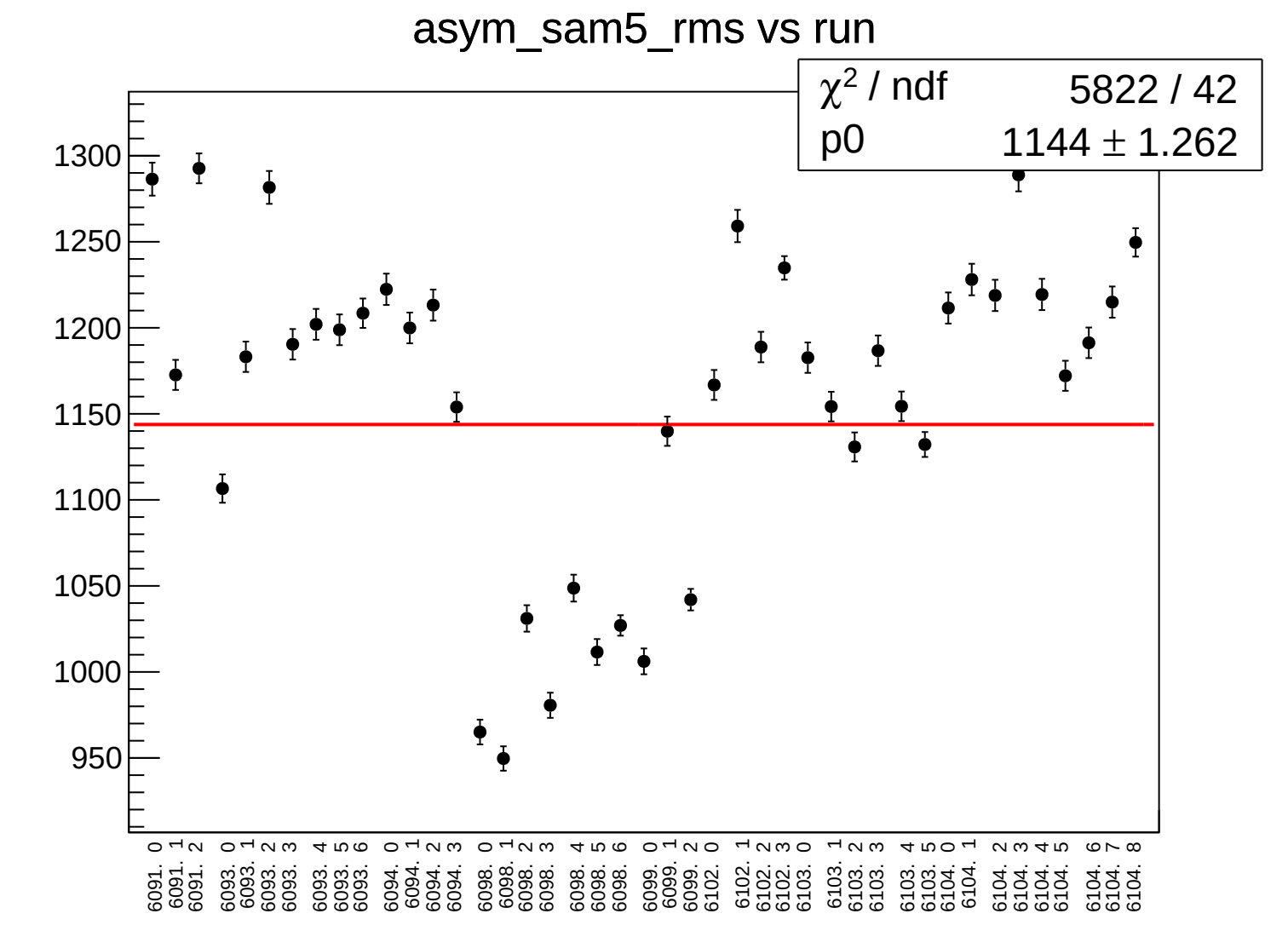

eigen_dit_asym_sam5_rms vs run
χ² / ndf 4864 / 42
p0 134.3 ± 0.1481
170
160
150
140
130
120
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

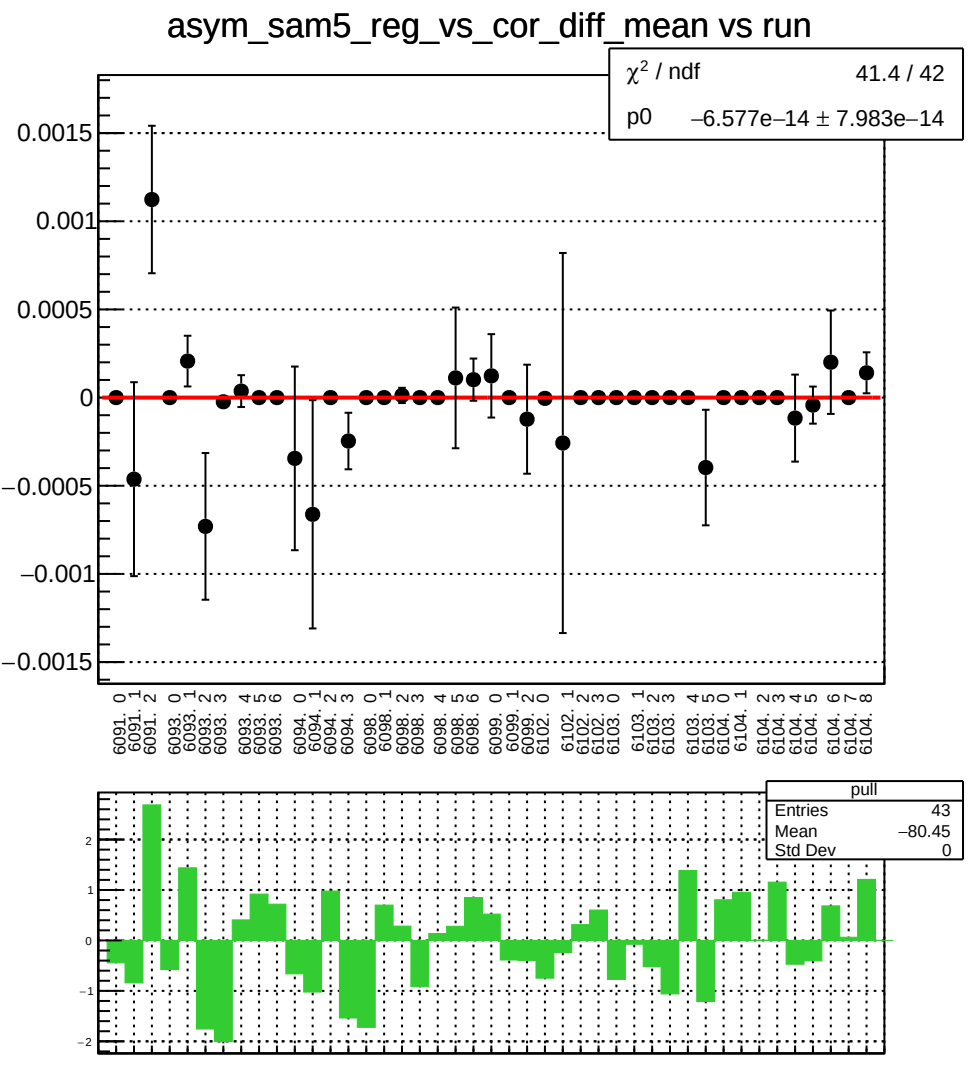

asym_sam5_eigen_dit_correction_mean vs run
χ² / ndf 43.83 / 42
p0 −27.93 ± 1827
50000
40000
30000
20000
10000
0
−10000
−20000
−30000
−40000
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean −34.84
Std Dev 0
2
1
0
−1
−2

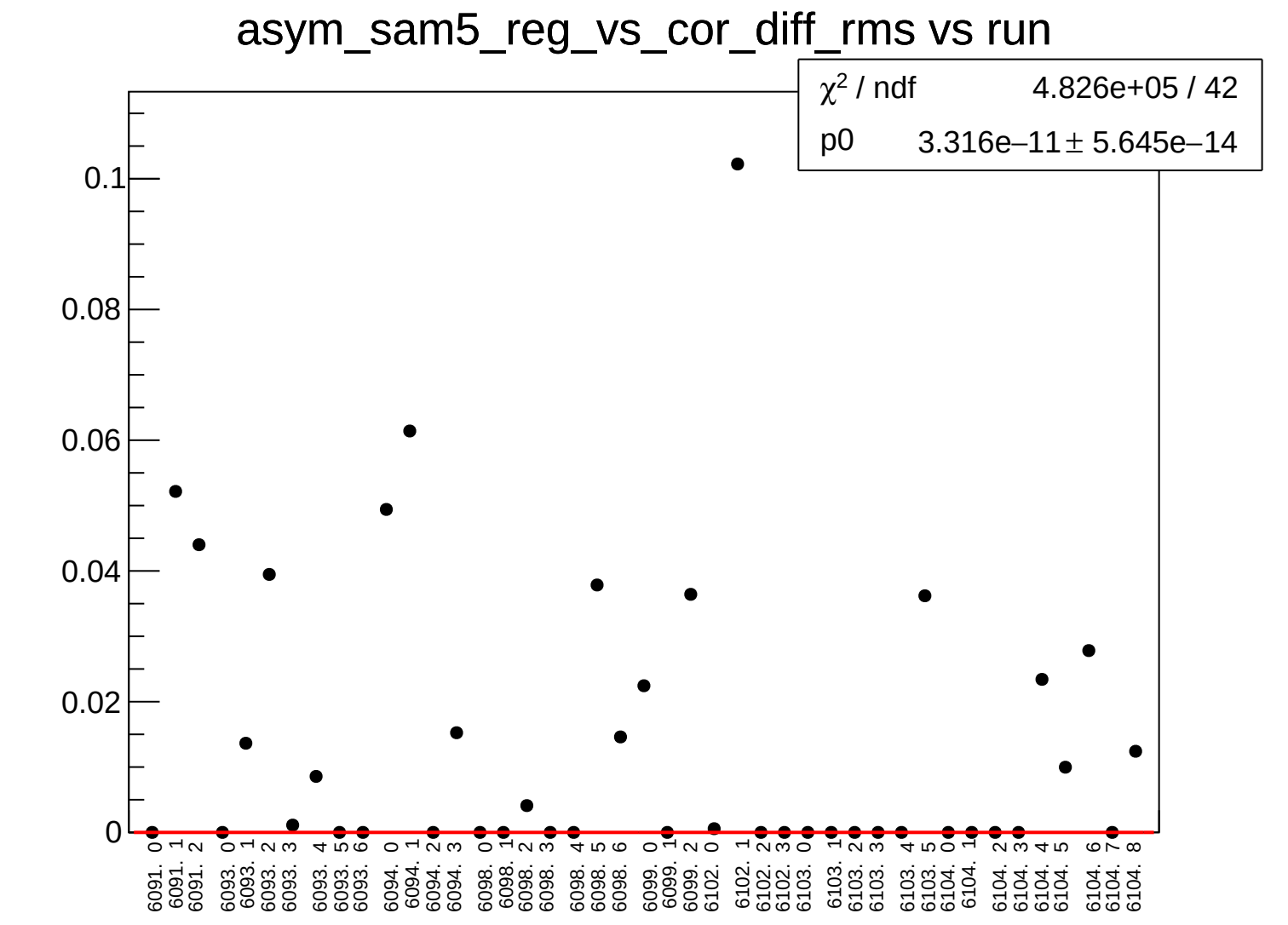

pull1D
Entries 43
Mean −0.02653
Std Dev 1.009
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

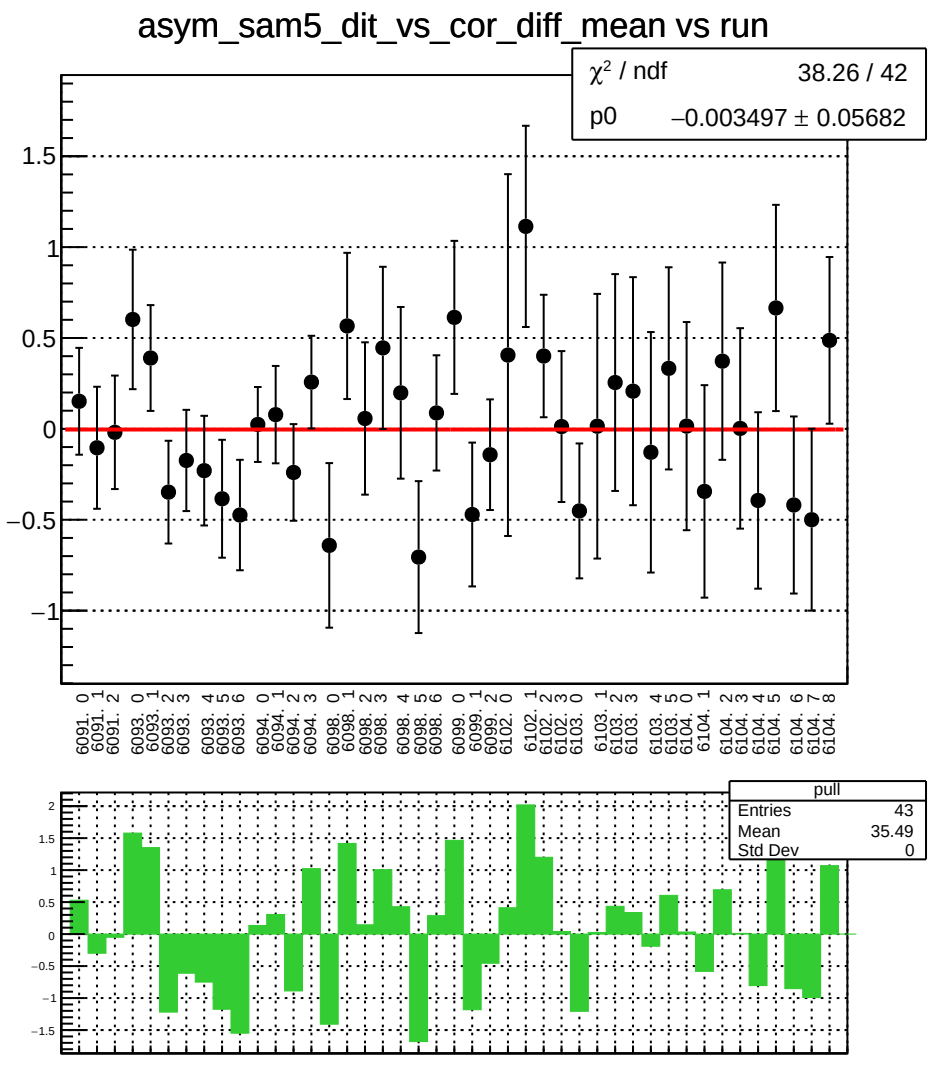

asym_sam5_eigen_dit_correction_rms vs run
χ² / ndf 5826 / 42
p0 1171 ± 1.292
1350
1300
1250
1200
1150
1100
1050
1000
950
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

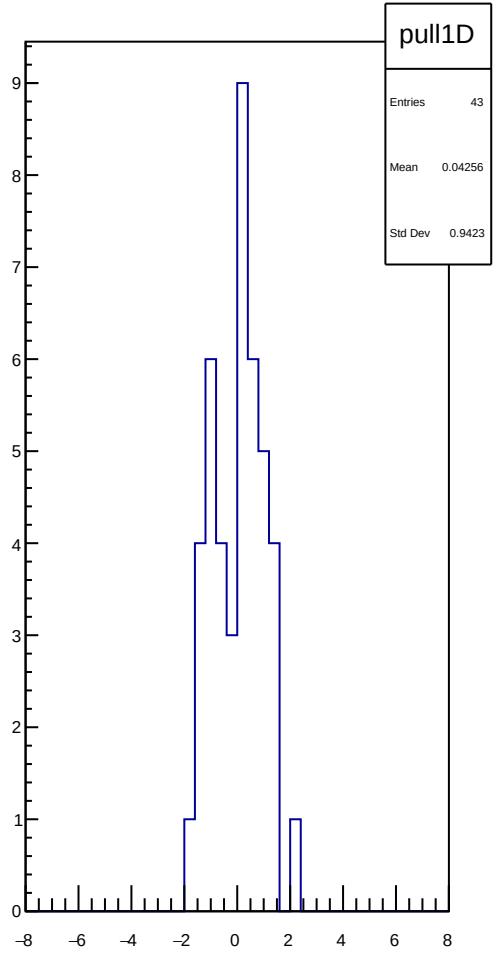

asym_sam5_mean vs run
χ² / ndf 44.62 / 42
p0 13.46 ± 1784
40000
30000
20000
10000
0
−10000
−20000
−30000
−40000
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean −24.59
Std Dev 0
2
1
0
−1
−2
−3
pull1D
Entries 43
Mean 0.02929
Std Dev 1.018
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

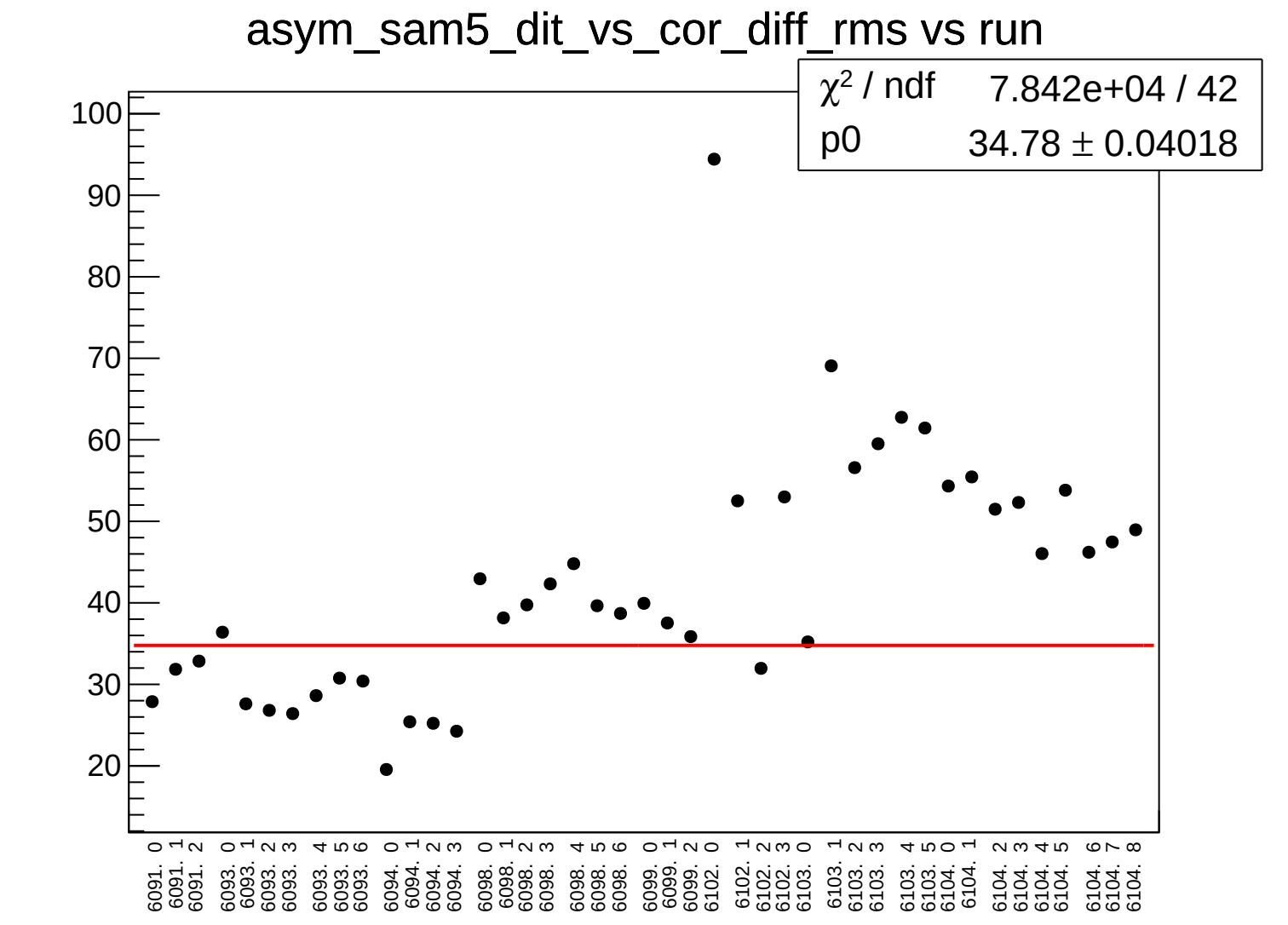

asym_sam5_rms vs run
χ² / ndf 5822 / 42
p0 1144 ± 1.262
1300
1250
1200
1150
1100
1050
1000
950
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

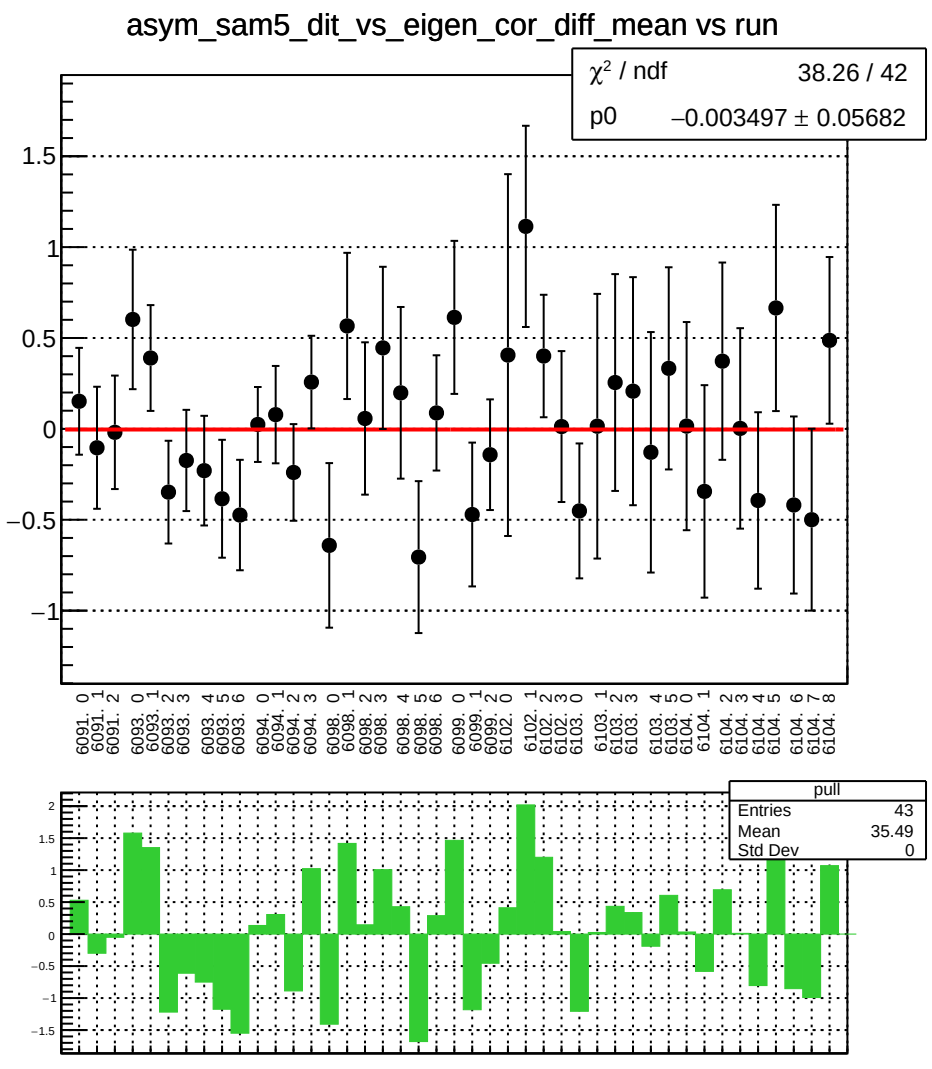

asym_sam5_reg_vs_cor_diff_mean vs run
χ² / ndf 41.4 / 42
p0 −6.577e−14 ± 7.983e−14
0.0015
0.001
0.0005
0
−0.0005
−0.001
−0.0015
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean −80.45
Std Dev 0
2
1
0
−1
−2
pull1D
Entries 43
Mean −0.01577
Std Dev 0.9811
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

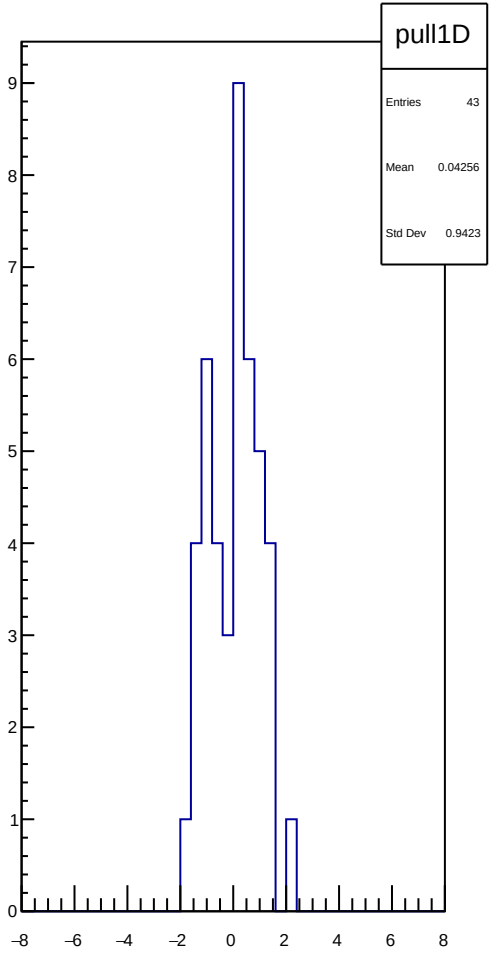

asym_sam5_reg_vs_cor_diff_rms vs run
χ² / ndf 4.826e+05 / 42
p0 3.316e−11 ± 5.645e−14
0.1
0.08
0.06
0.04
0.02
0
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

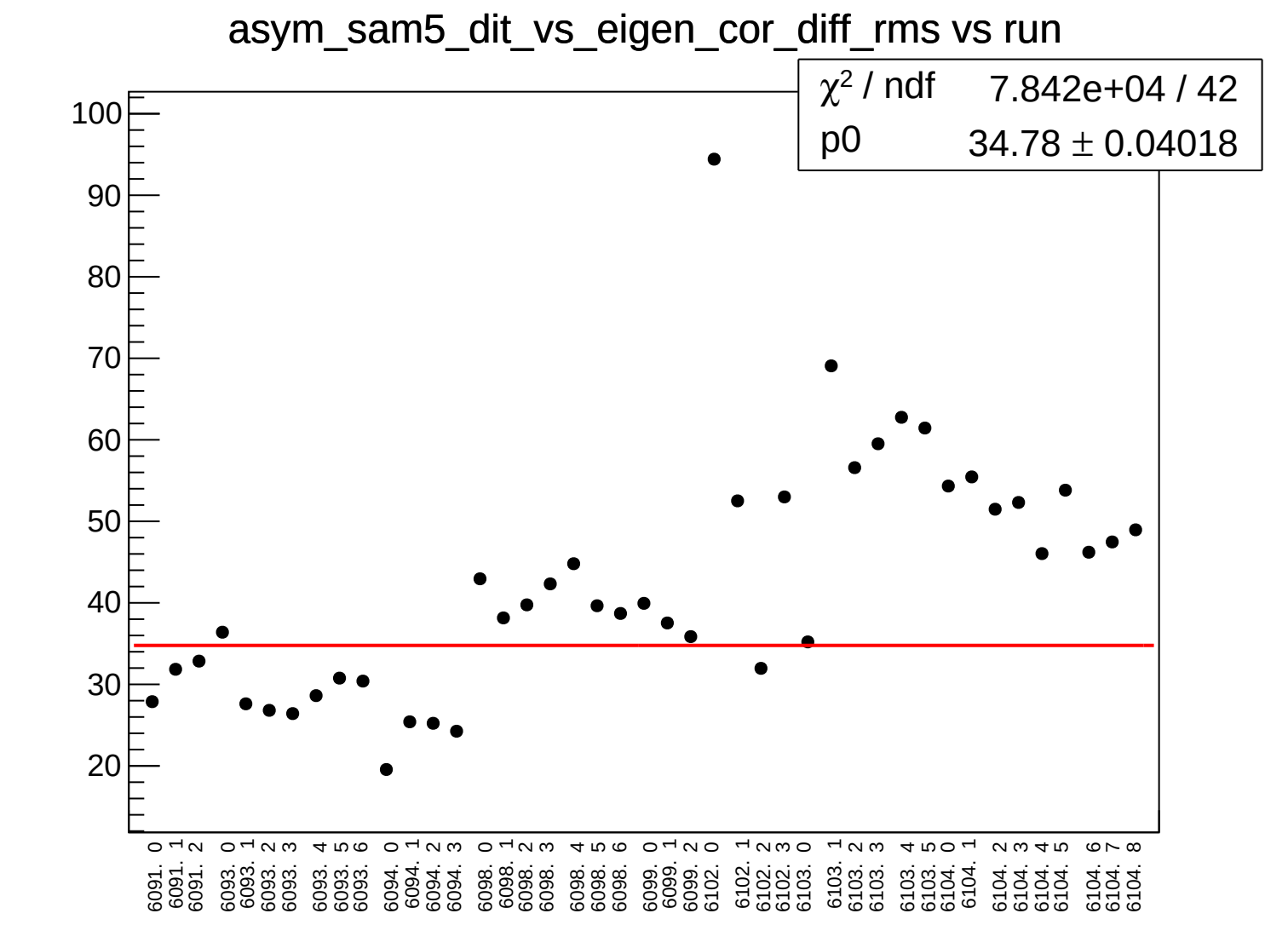

asym_sam5_dit_vs_cor_diff_mean vs run
χ² / ndf 38.26 / 42
p0 −0.003497 ± 0.05682
1.5
1
0.5
0
−0.5
−1
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 35.49
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5

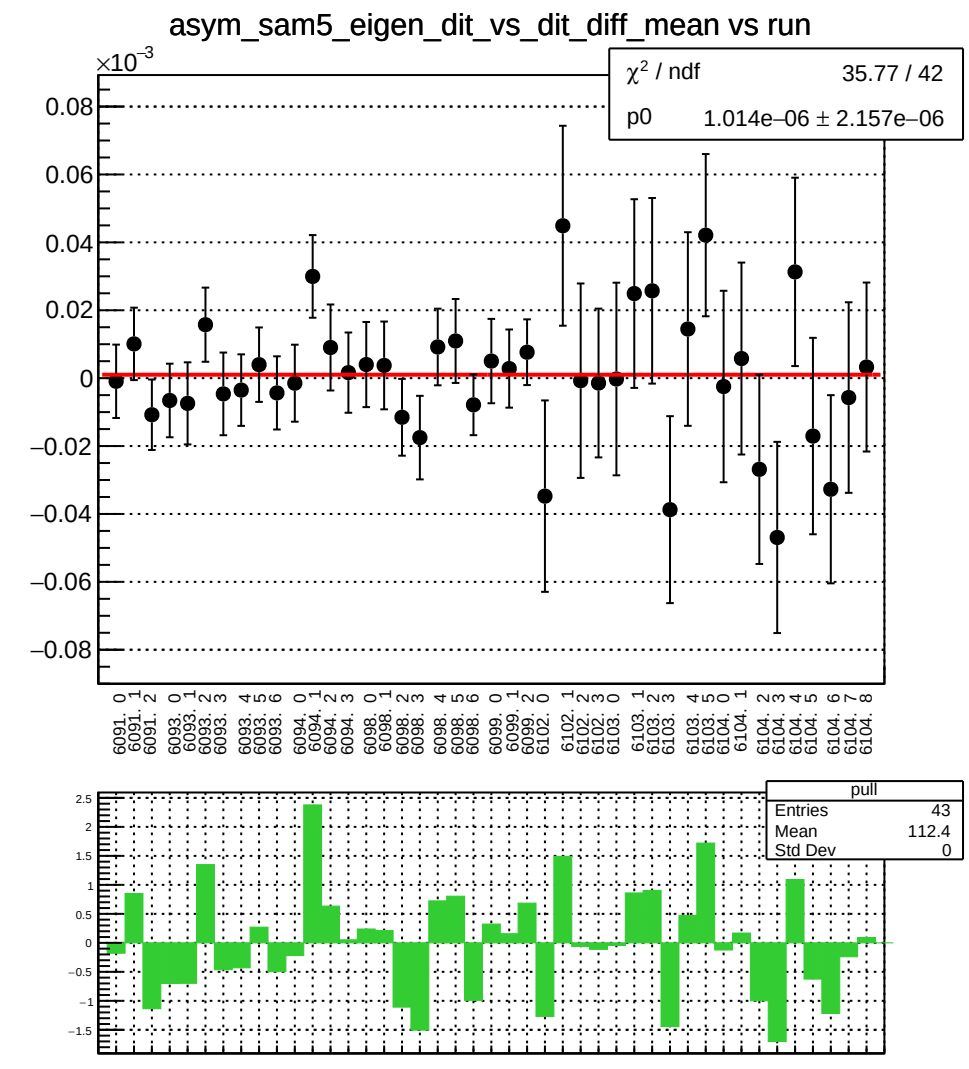

pull1D
Entries 43
Mean 0.04256
Std Dev 0.9423
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

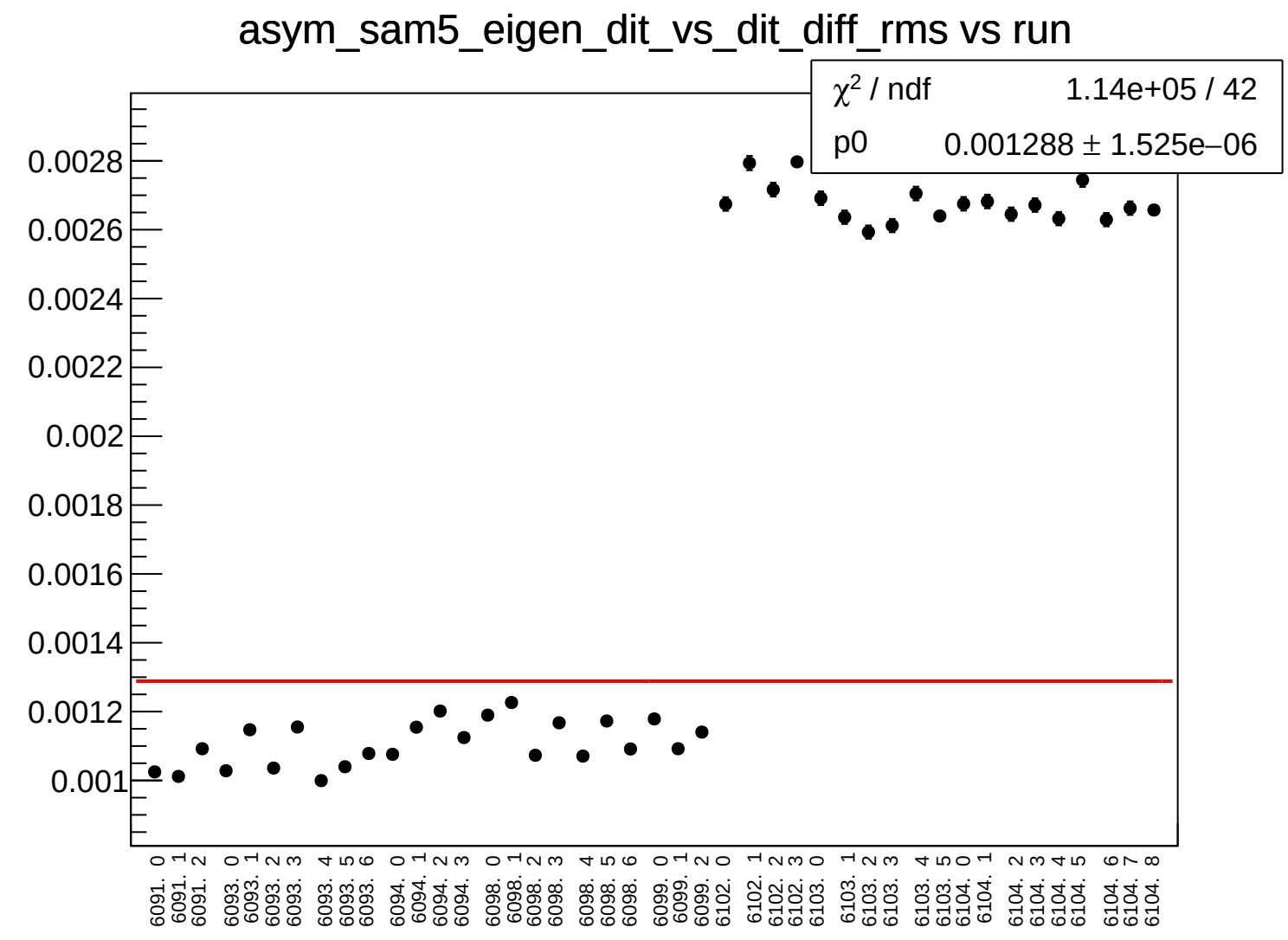

asym_sam5_dit_vs_cor_diff_rms vs run
χ² / ndf 7.842e+04 / 42
p0 34.78 ± 0.04018
100
90
80
70
60
50
40
30
20
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

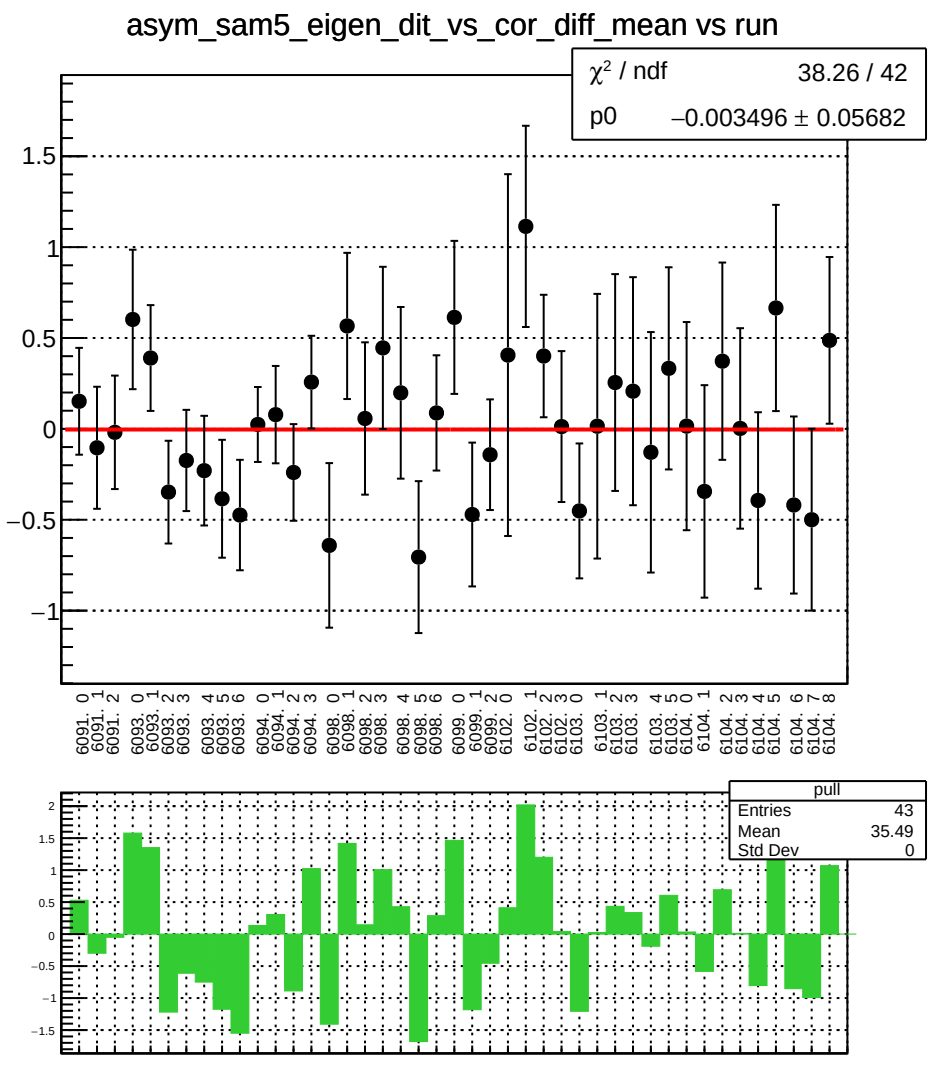

asym_sam5_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 38.26 / 42
p0 −0.003497 ± 0.05682
1.5
1
0.5
0
−0.5
−1
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 35.49
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5

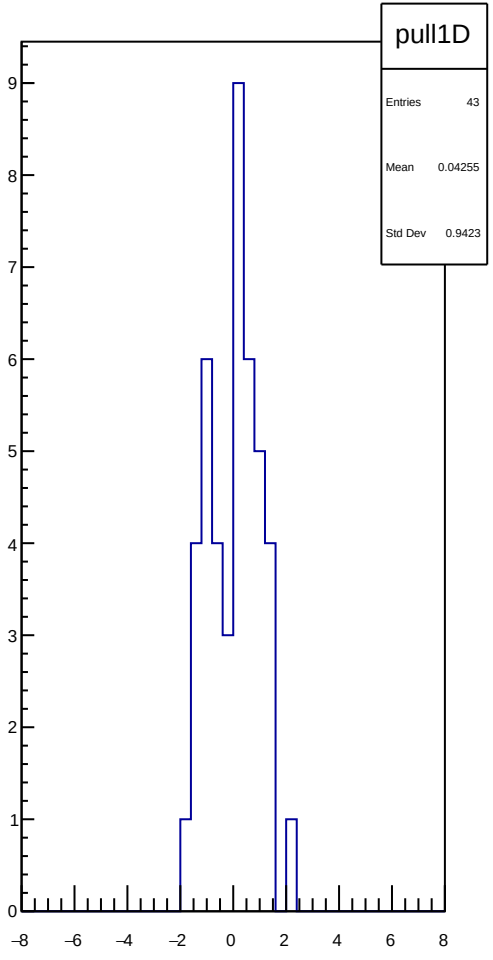

pull1D
Entries 43
Mean 0.04256
Std Dev 0.9423
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

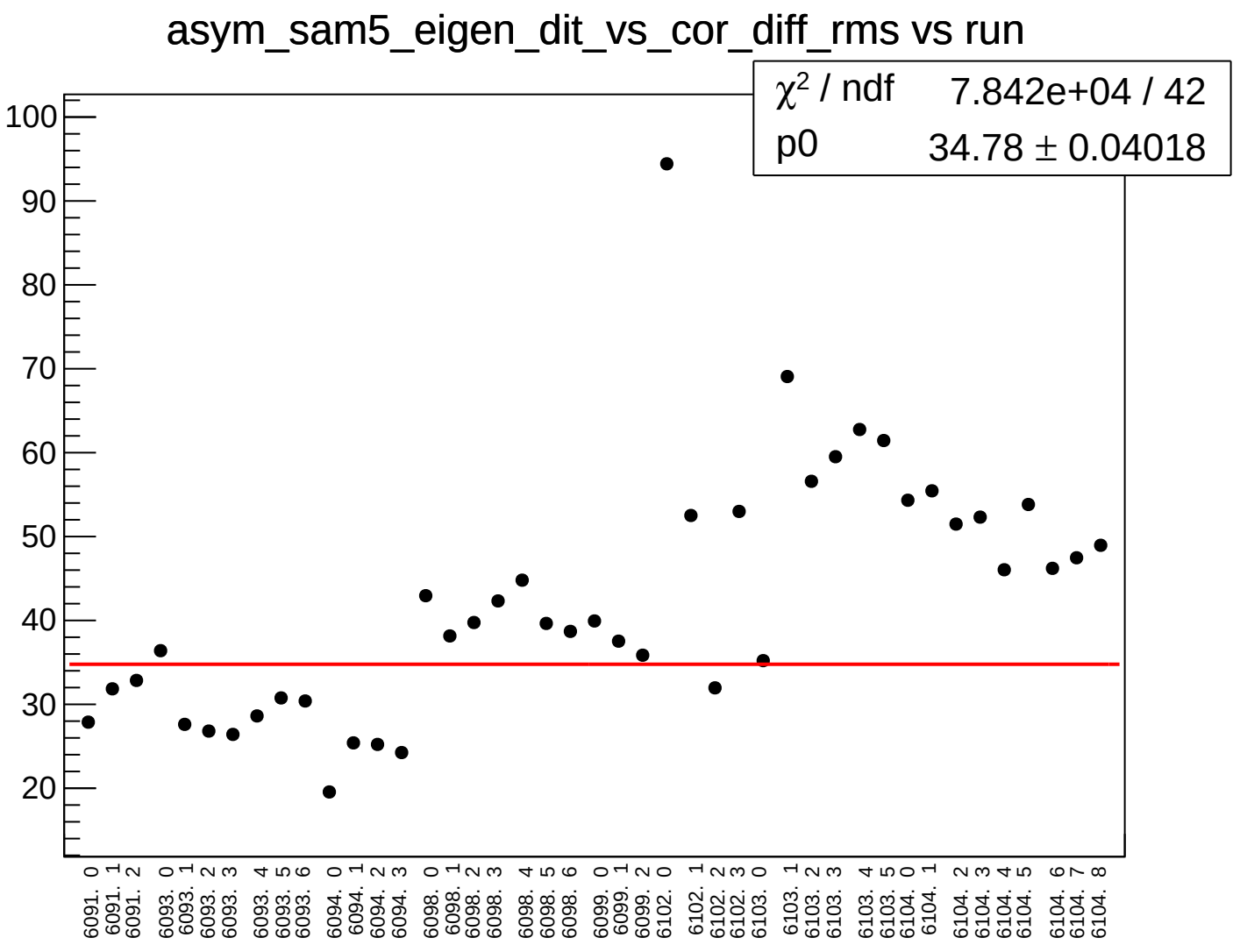

asym_sam5_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 7.842e+04 / 42
p0 34.78 ± 0.04018
100
90
80
70
60
50
40
30
20
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

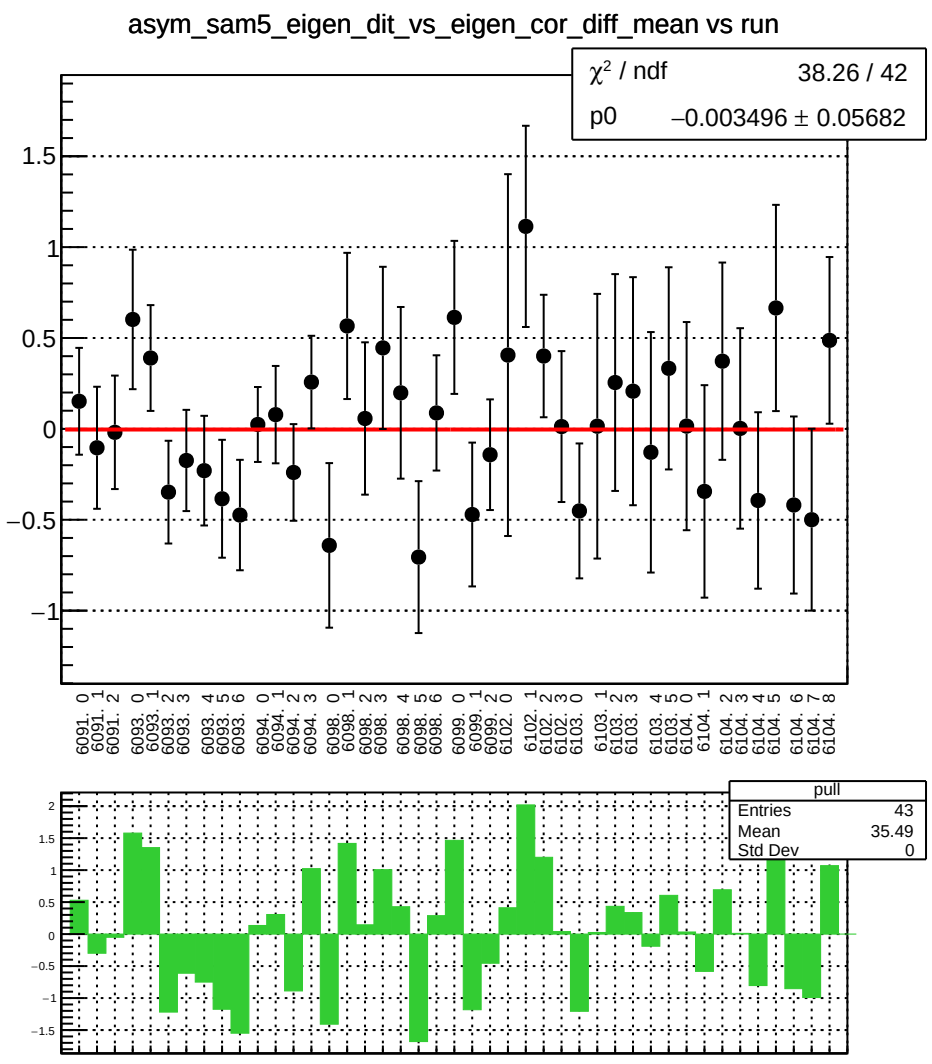

asym_sam5_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 35.77 / 42
p0 1.014e−06 ± 2.157e−06
0.08
0.06
0.04
0.02
0
−0.02
−0.04
−0.06
−0.08
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 112.4
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 43
Mean −0.006743
Std Dev 0.912
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

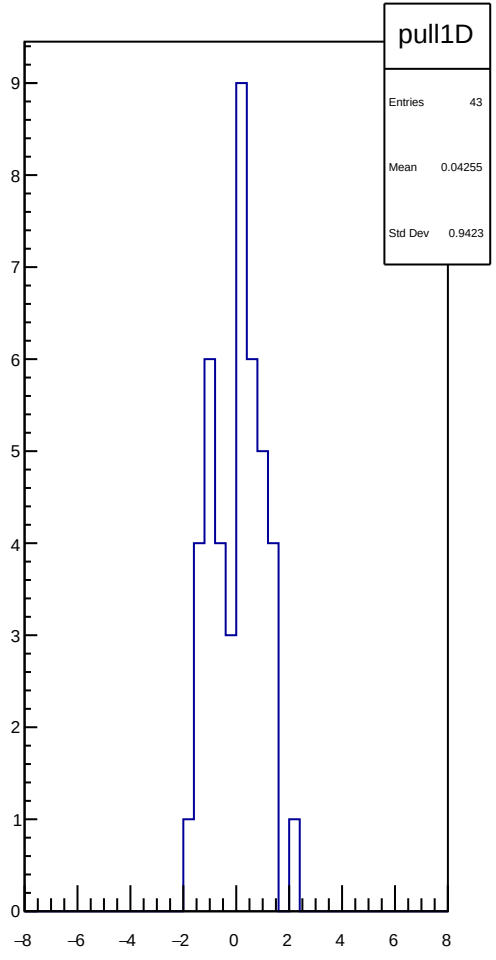

asym_sam5_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 1.14e+05 / 42
p0 0.001288 ± 1.525e−06
0.0028
0.0026
0.0024
0.0022
0.002
0.0018
0.0016
0.0014
0.0012
0.001
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

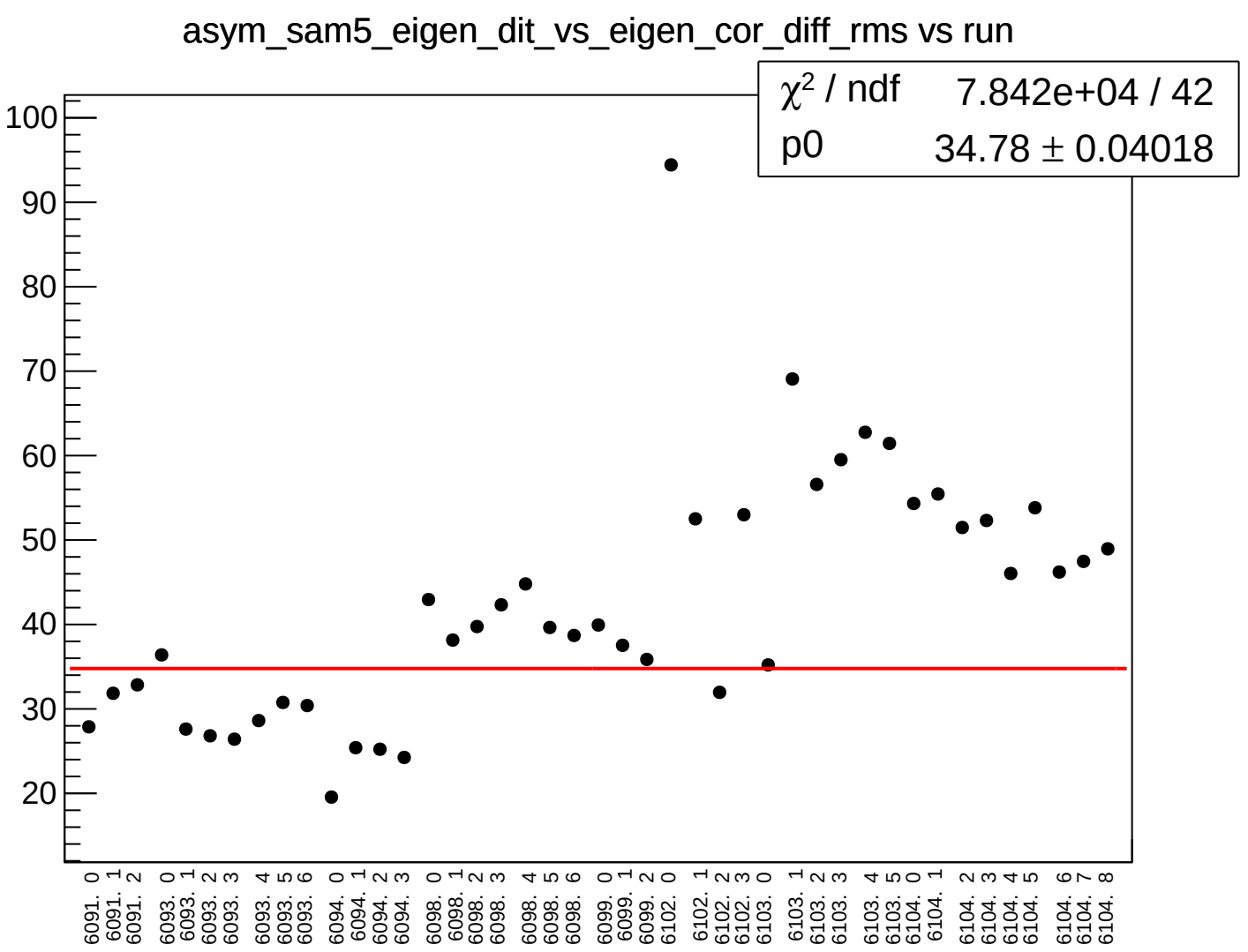

asym_sam5_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 38.26 / 42
p0 −0.003496 ± 0.05682
1.5
1
0.5
0
−0.5
−1
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 35.49
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5

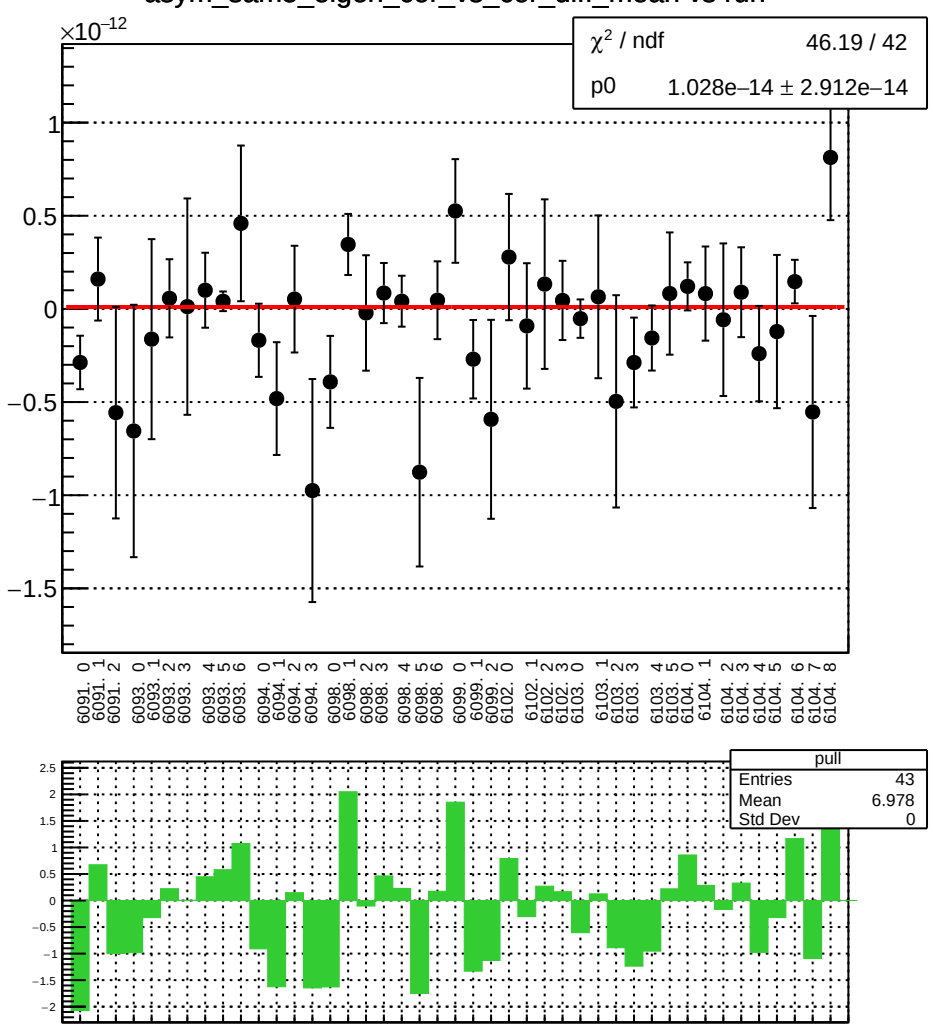

pull1D
Entries 43
Mean 0.04255
Std Dev 0.9423
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

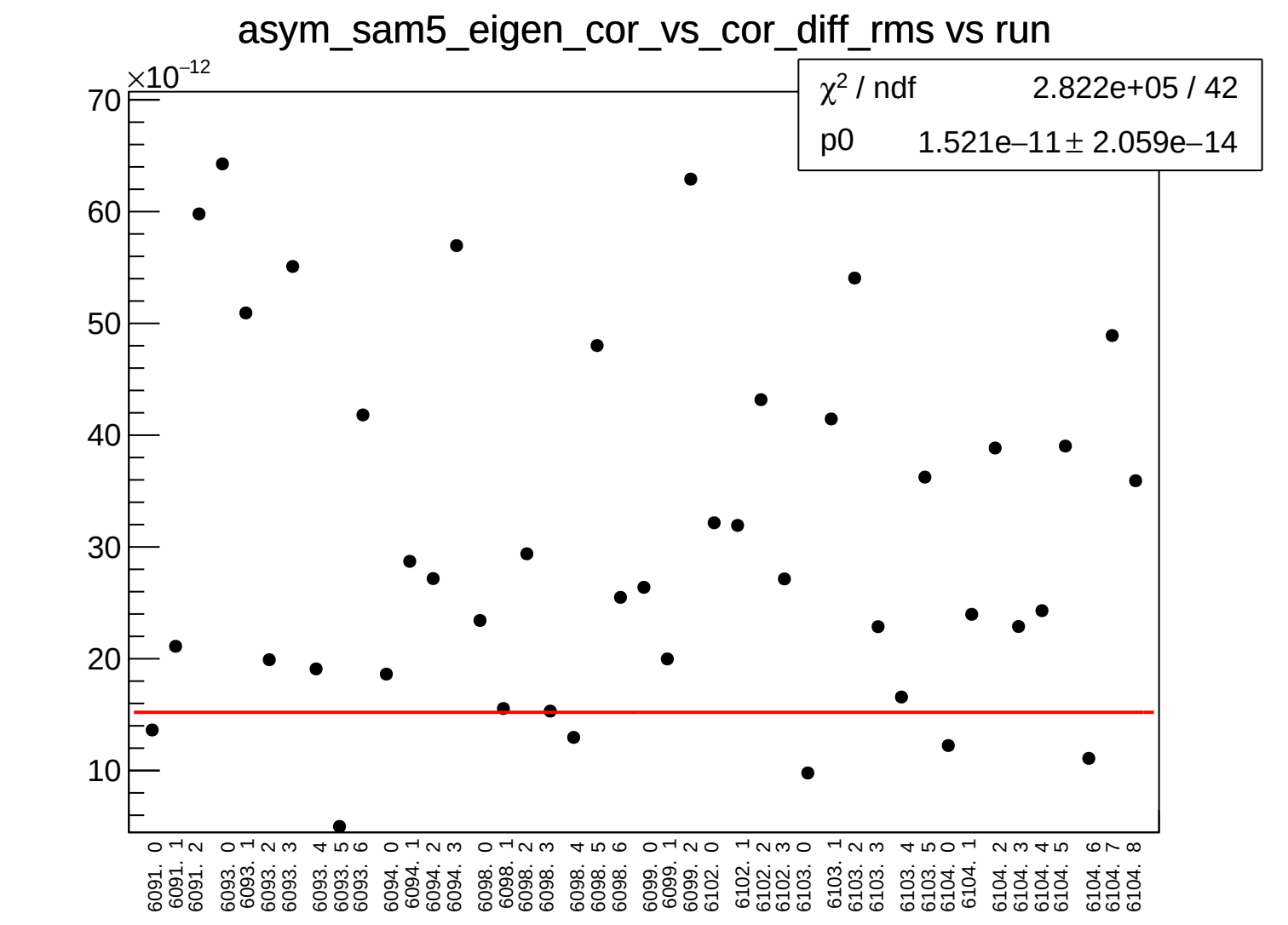

asym_sam5_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 7.842e+04 / 42
p0 34.78 ± 0.04018
100
90
80
70
60
50
40
30
20
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

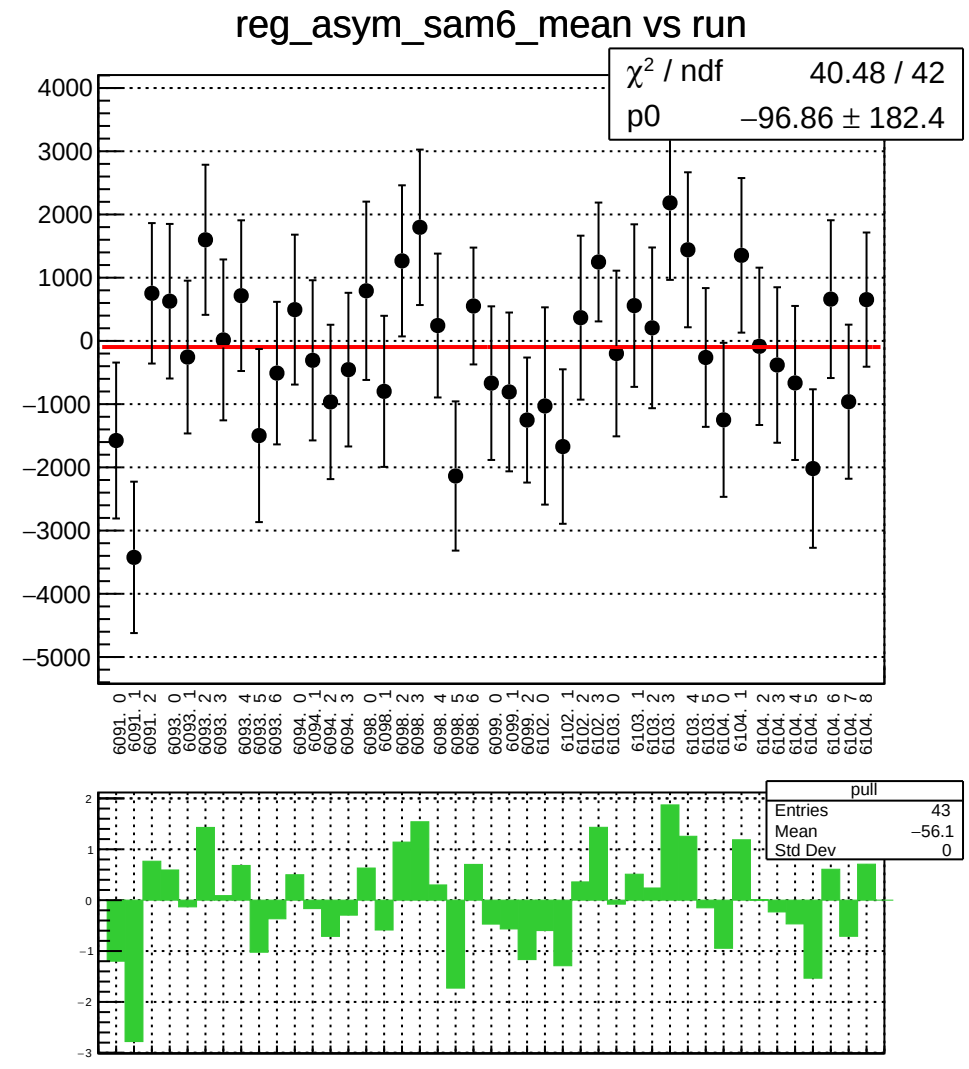

asym_sam5_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 38.26 / 42
p0 −0.003496 ± 0.05682
1.5
1
0.5
0
−0.5
−1
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 35.49
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5

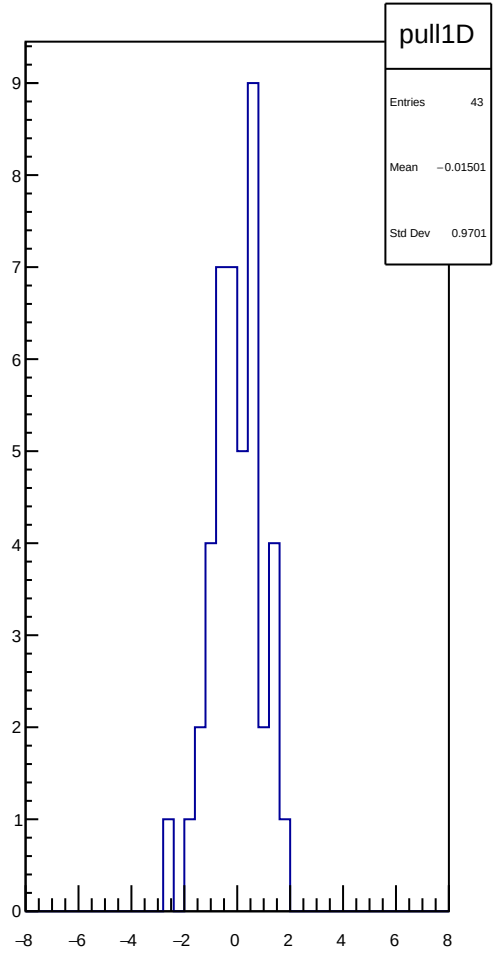

pull1D
Entries 43
Mean 0.04255
Std Dev 0.9423
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

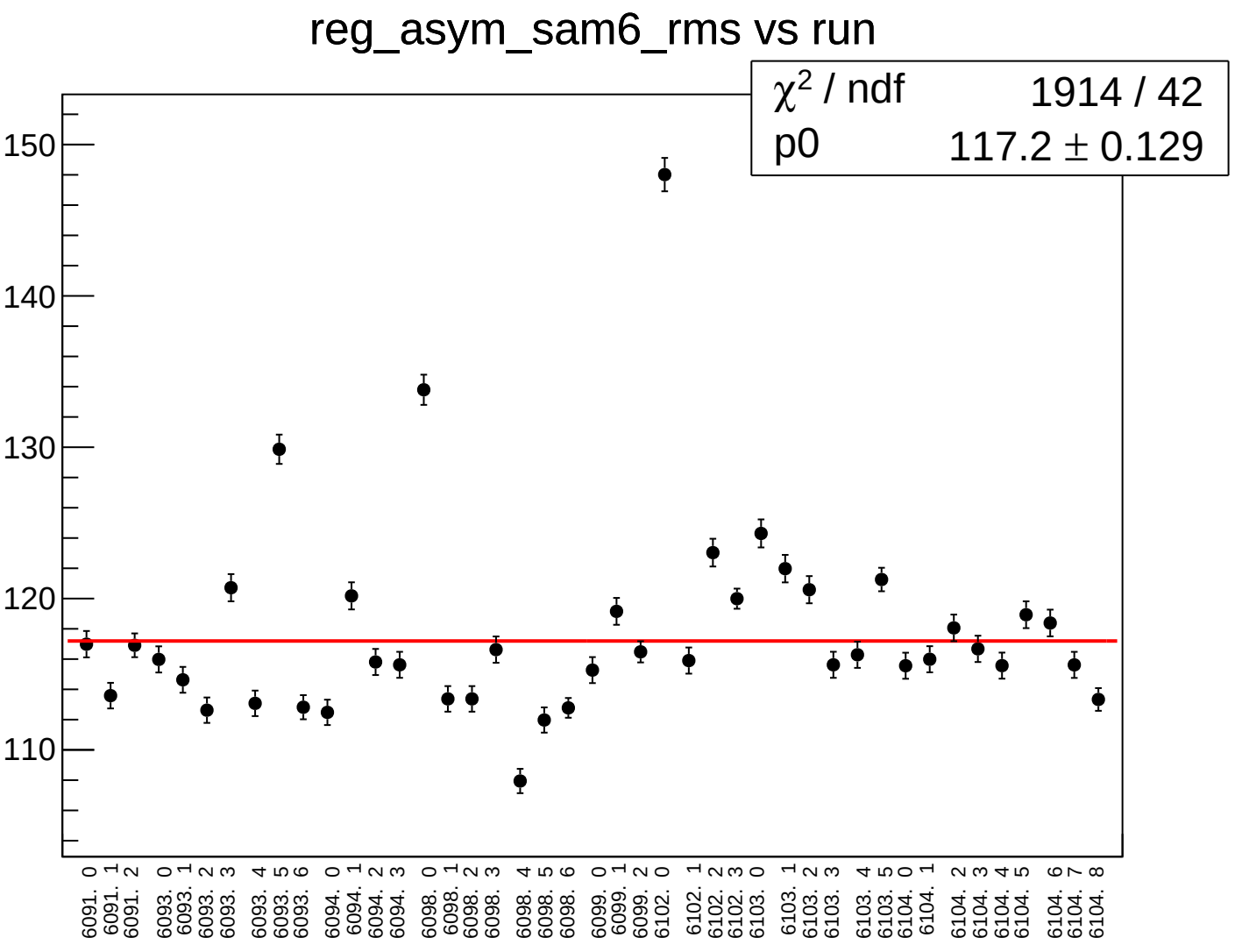

asym_sam5_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 7.842e+04 / 42
p0 34.78 ± 0.04018
100
90
80
70
60
50
40
30
20
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

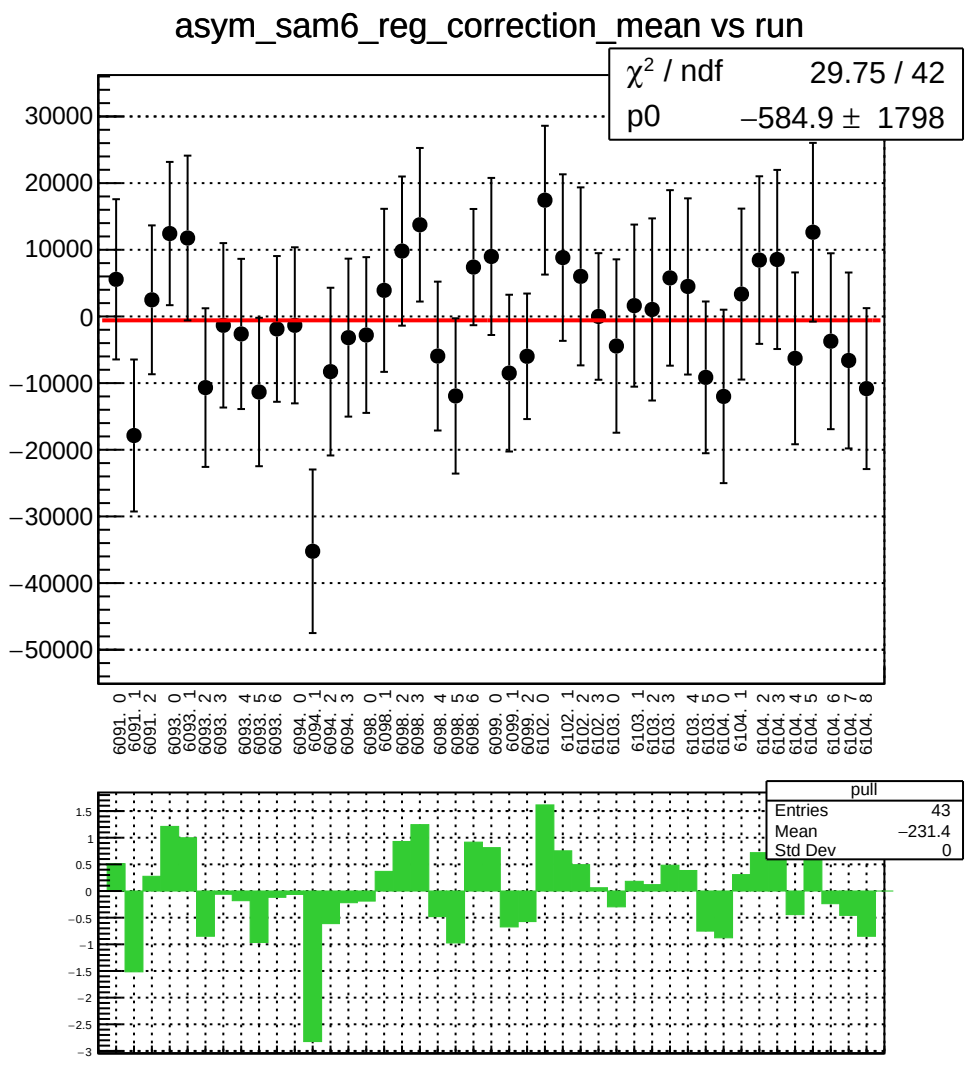

asym_sam5_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 46.19 / 42
p0 1.028e−14 ± 2.912e−14
1
0.5
0
−0.5
−1
−1.5
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 6.978
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 43
Mean −0.1518
Std Dev 1.025
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

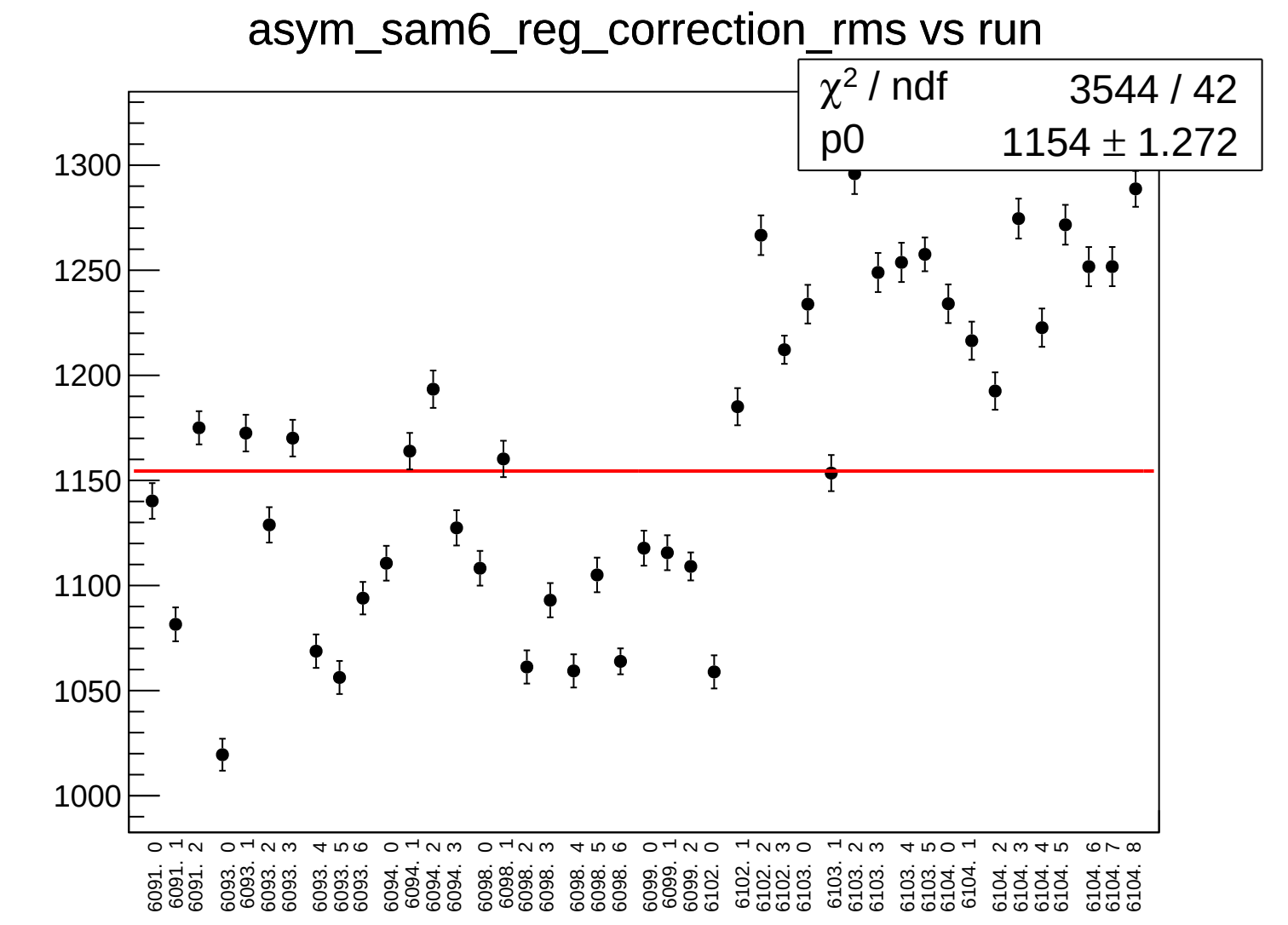

asym_sam5_eigen_cor_vs_cor_diff_rms vs run
×10⁻¹²
χ² / ndf 2.822e+05 / 42
p0 1.521e−11 ± 2.059e−14
70
60
50
40
30
20
10
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

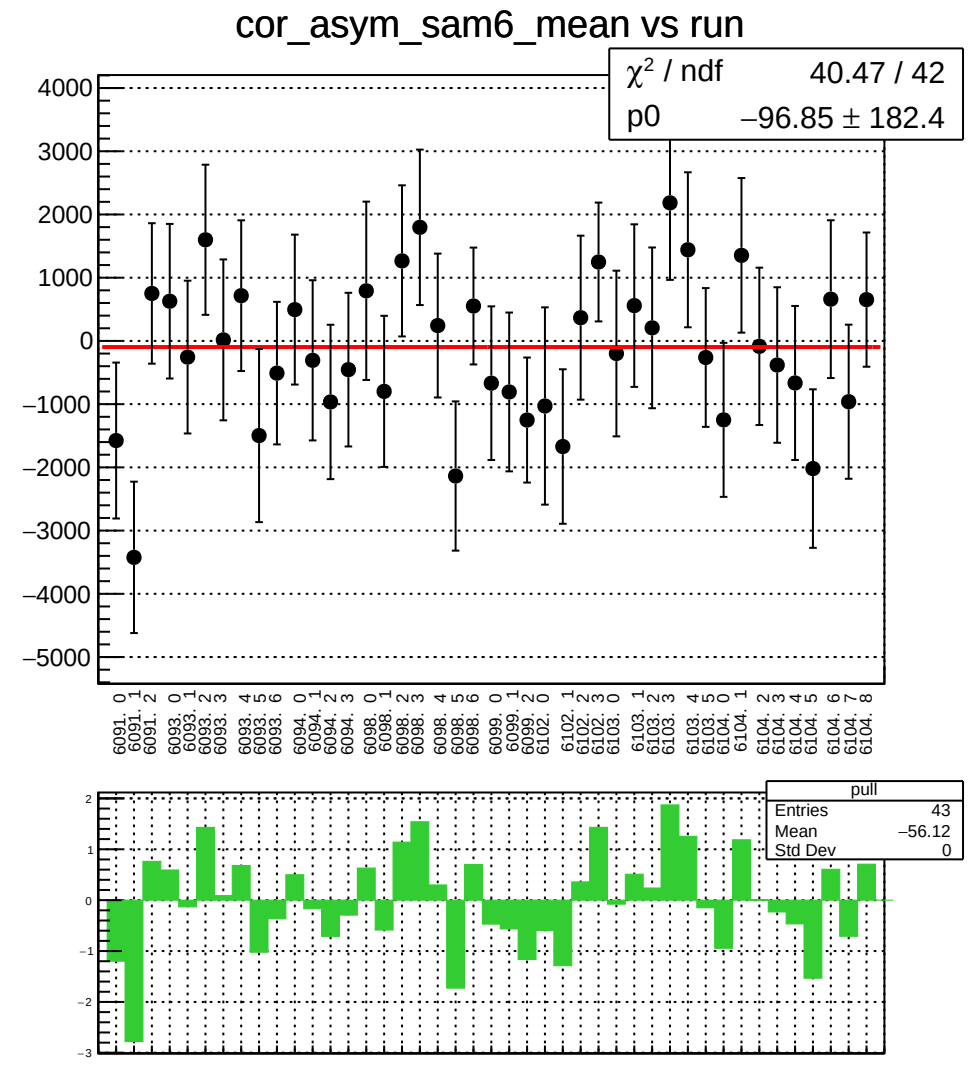

reg_asym_sam6_mean vs run
χ² / ndf 40.48 / 42
p0 −96.86 ± 182.4
pull
Entries 43
Mean −56.1
Std Dev 0

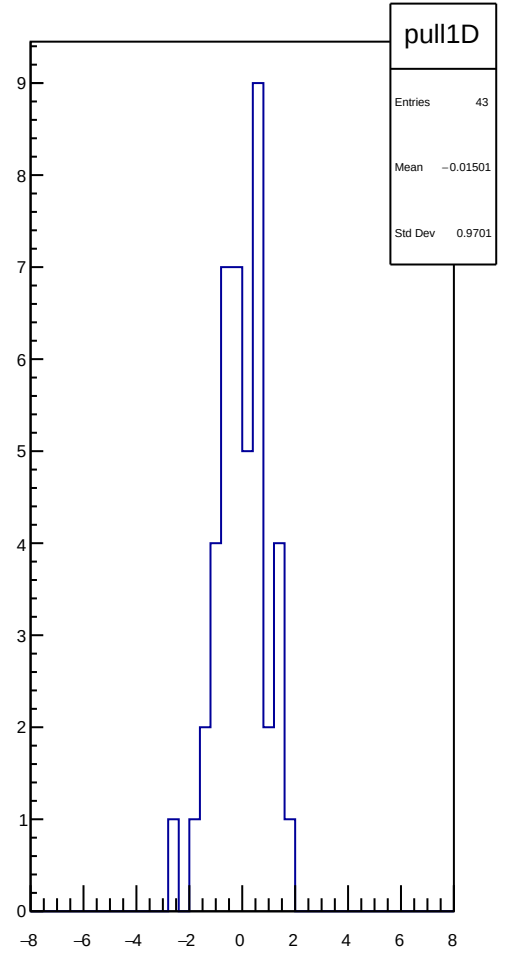

pull1D
Entries 43
Mean −0.01501
Std Dev 0.9701

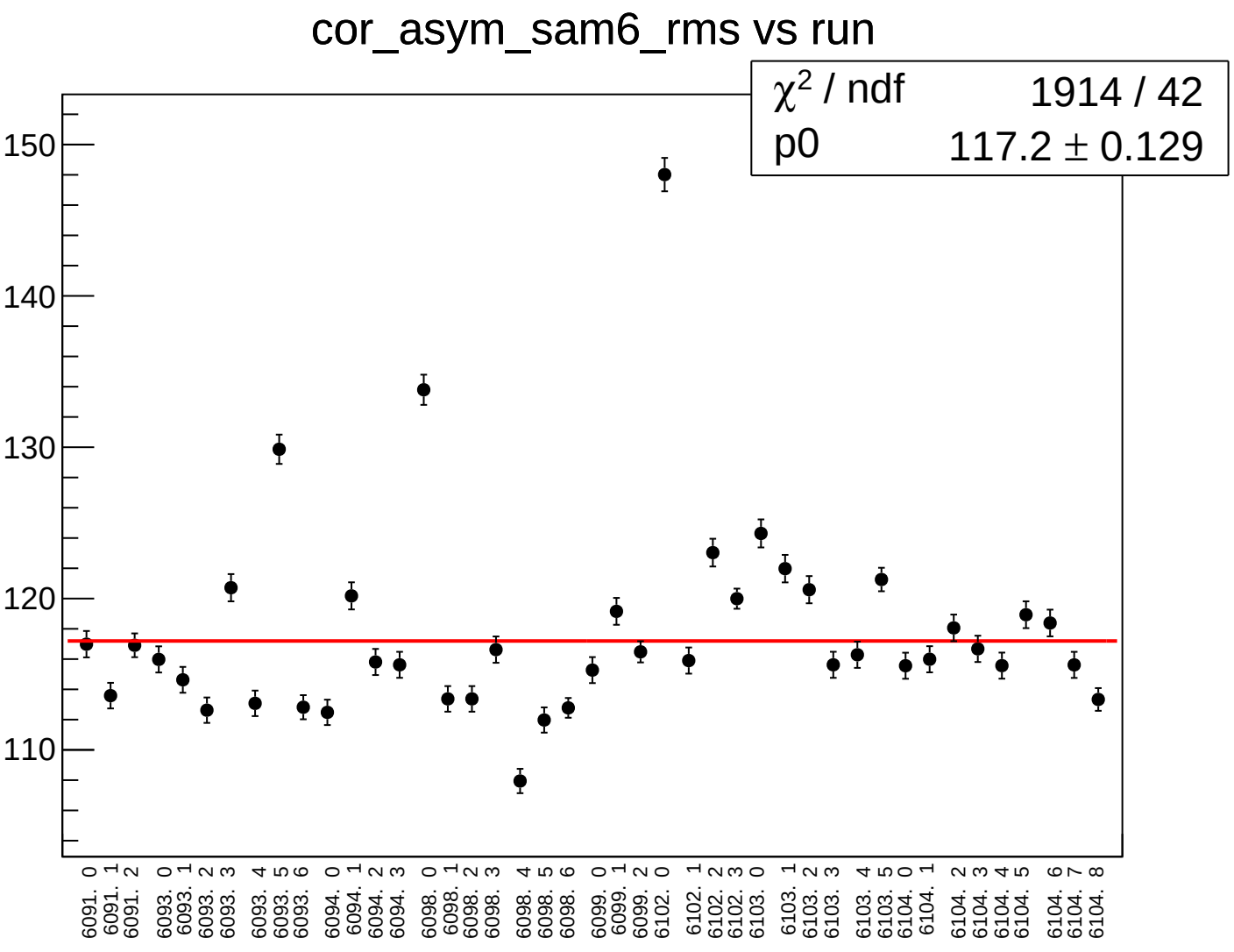

reg_asym_sam6_rms vs run
χ² / ndf 1914 / 42
p0 117.2 ± 0.129
150
140
130
120
110
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

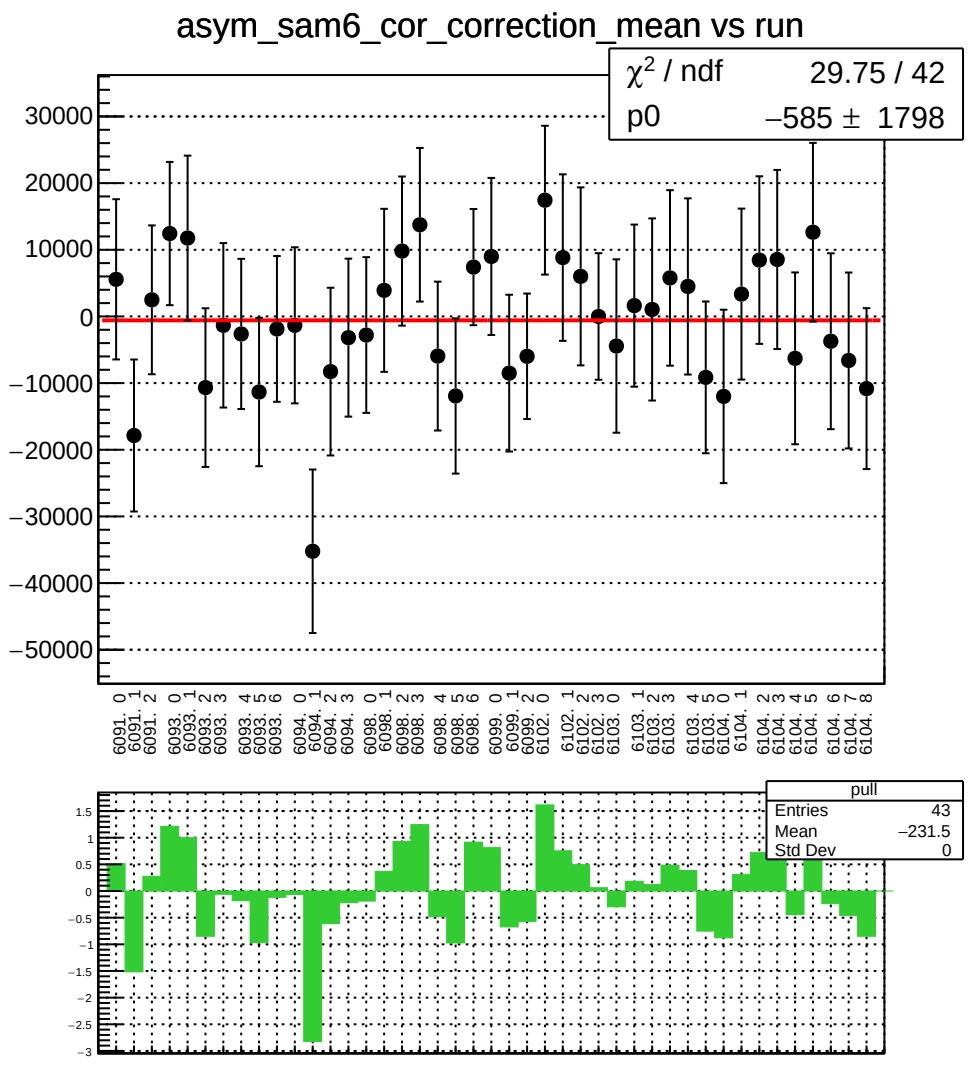

asym_sam6_reg_correction_mean vs run
χ² / ndf 29.75 / 42
p0 −584.9 ± 1798
30000
20000
10000
0
−10000
−20000
−30000
−40000
−50000
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean −231.4
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5
−3
pull1D
Entries 43
Mean −0.003436
Std Dev 0.8318
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

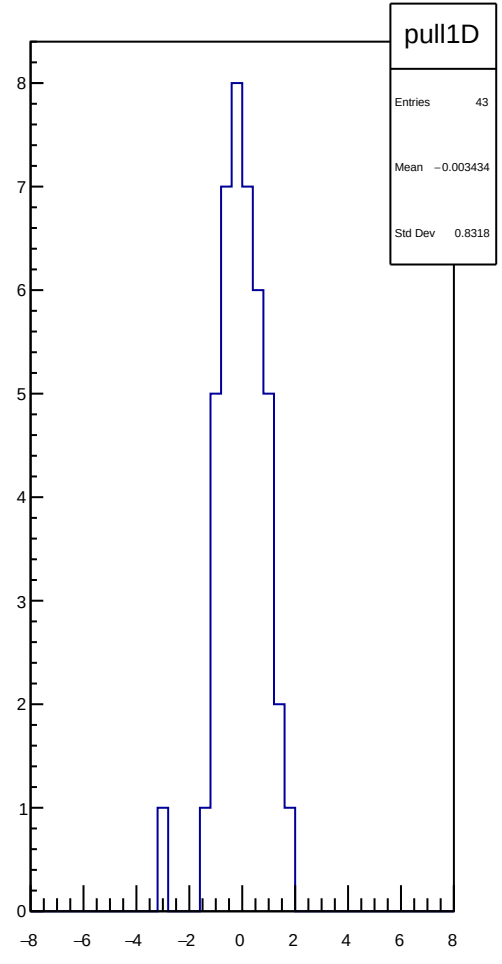

asym_sam6_reg_correction_rms vs run
χ² / ndf 3544 / 42
p0 1154 ± 1.272
1300
1250
1200
1150
1100
1050
1000
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

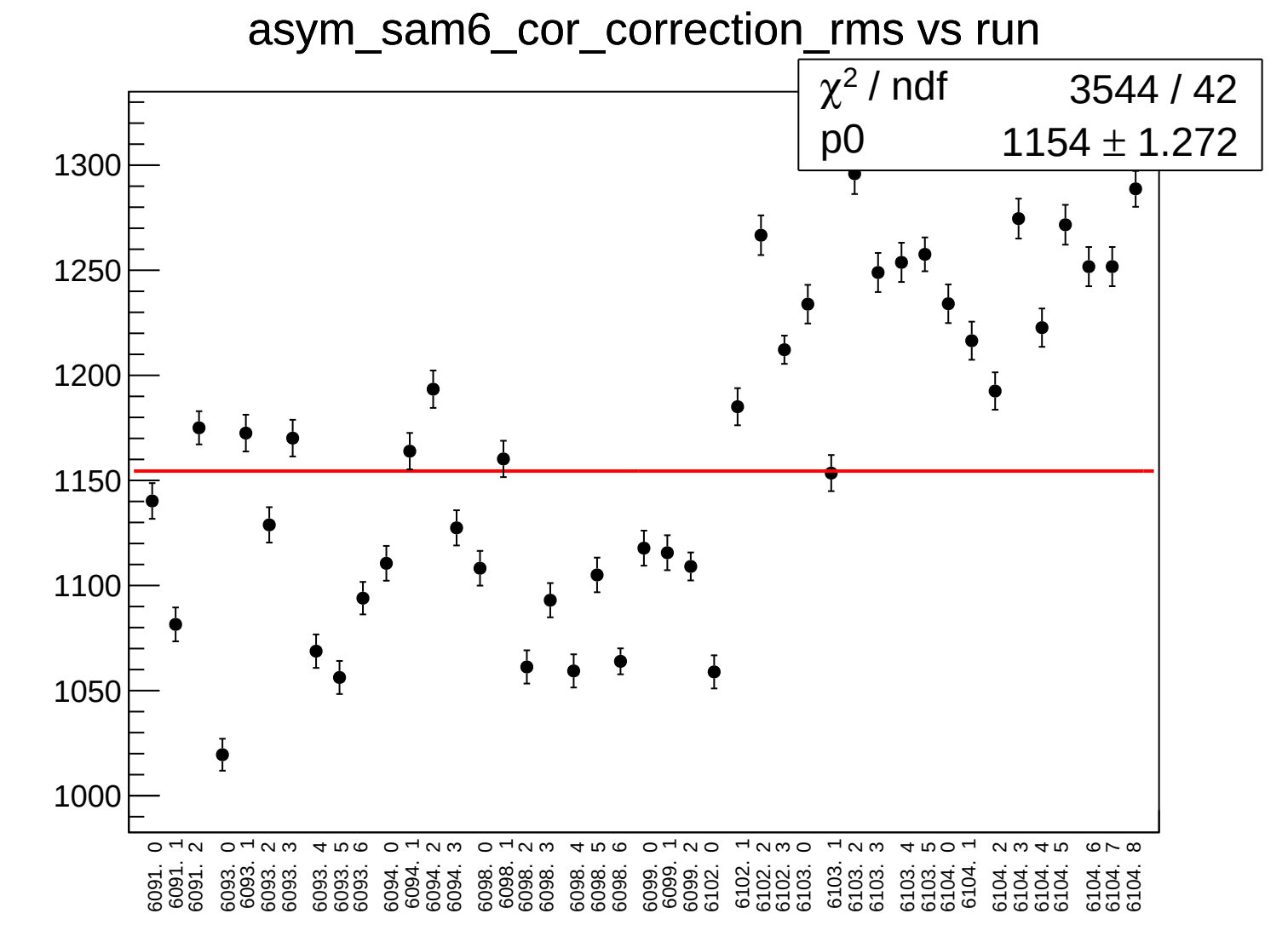

cor_asym_sam6_mean vs run
χ² / ndf 40.47 / 42
p0 −96.85 ± 182.4
4000
3000
2000
1000
0
−1000
−2000
−3000
−4000
−5000
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean −56.12
Std Dev 0
2
1
0
−1
−2
−3

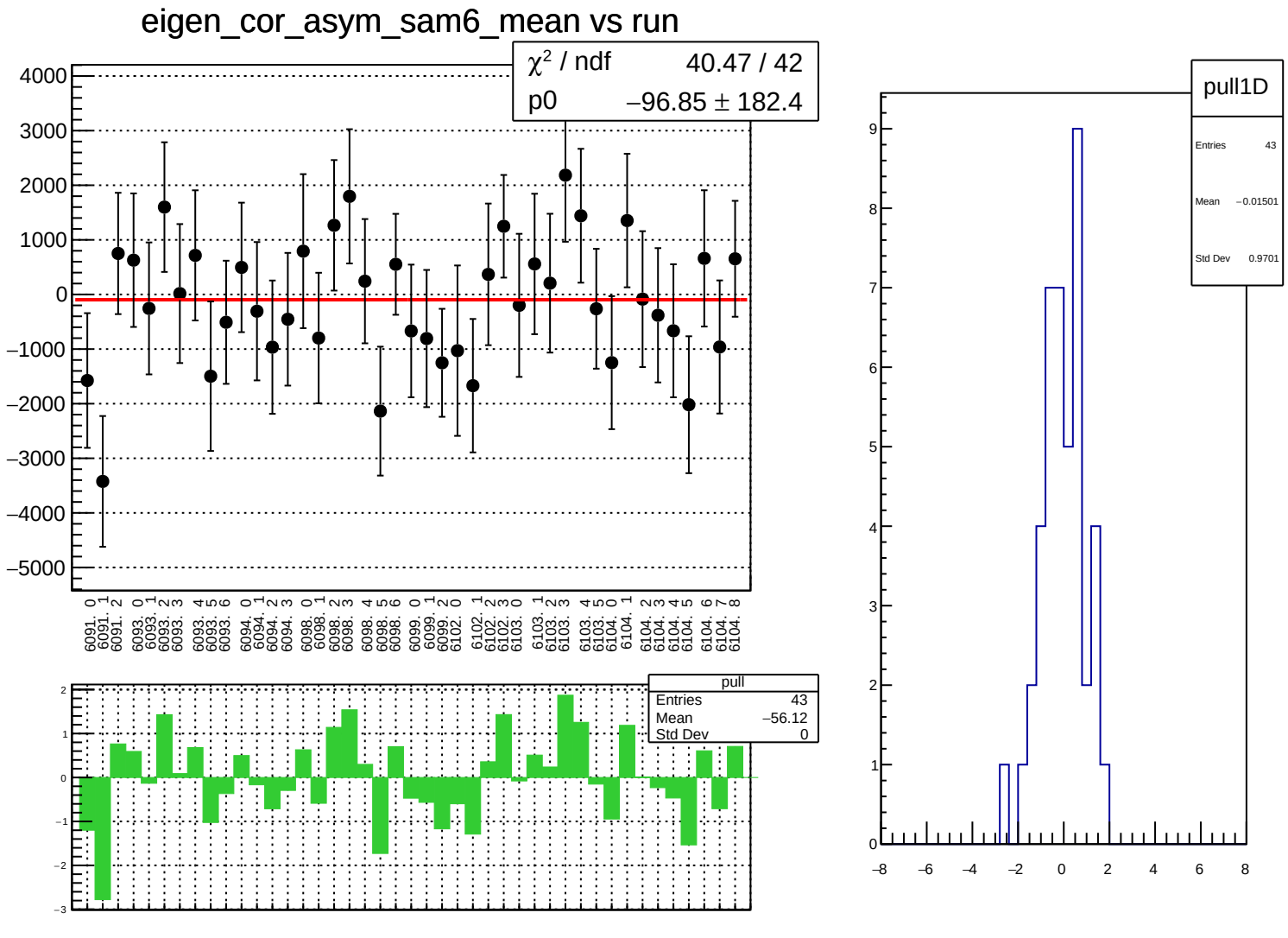

pull1D
Entries 43
Mean −0.01501
Std Dev 0.9701
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

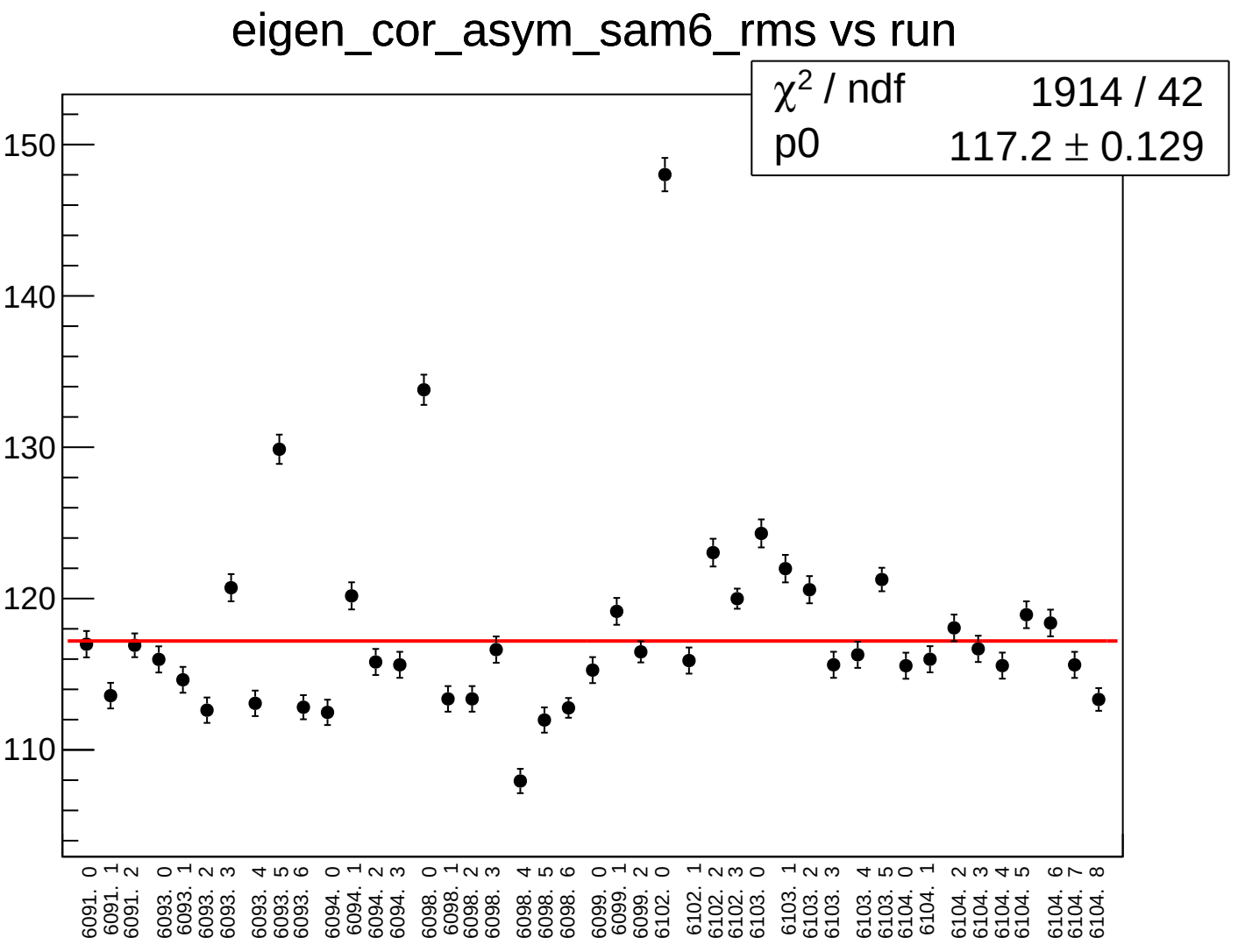

cor_asym_sam6_rms vs run
χ² / ndf 1914 / 42
p0 117.2 ± 0.129
150
140
130
120
110
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

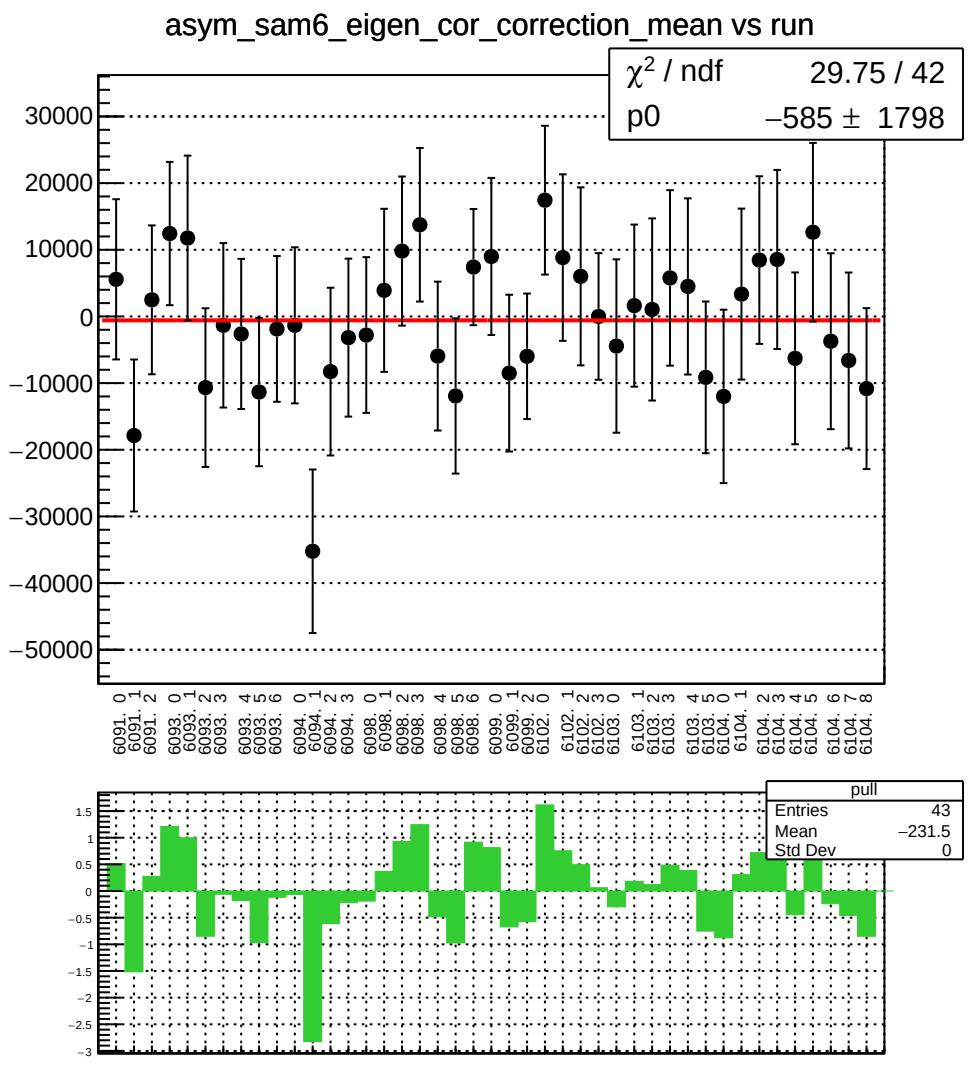

asym_sam6_cor_correction_mean vs run
χ² / ndf 29.75 / 42
p0 −585 ± 1798
30000
20000
10000
0
−10000
−20000
−30000
−40000
−50000
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean −231.5
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5
−3

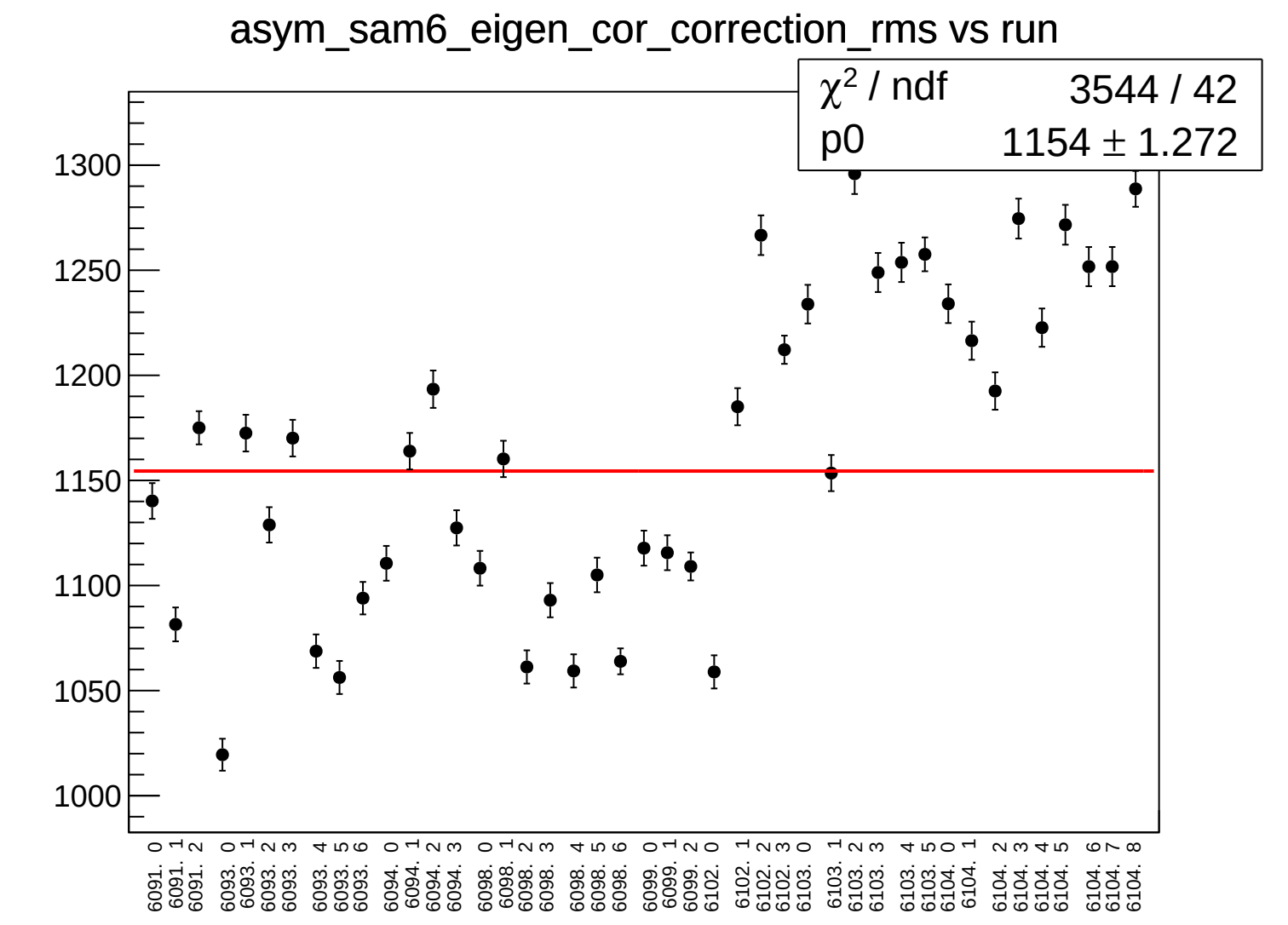

pull1D
Entries 43
Mean −0.003434
Std Dev 0.8318
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

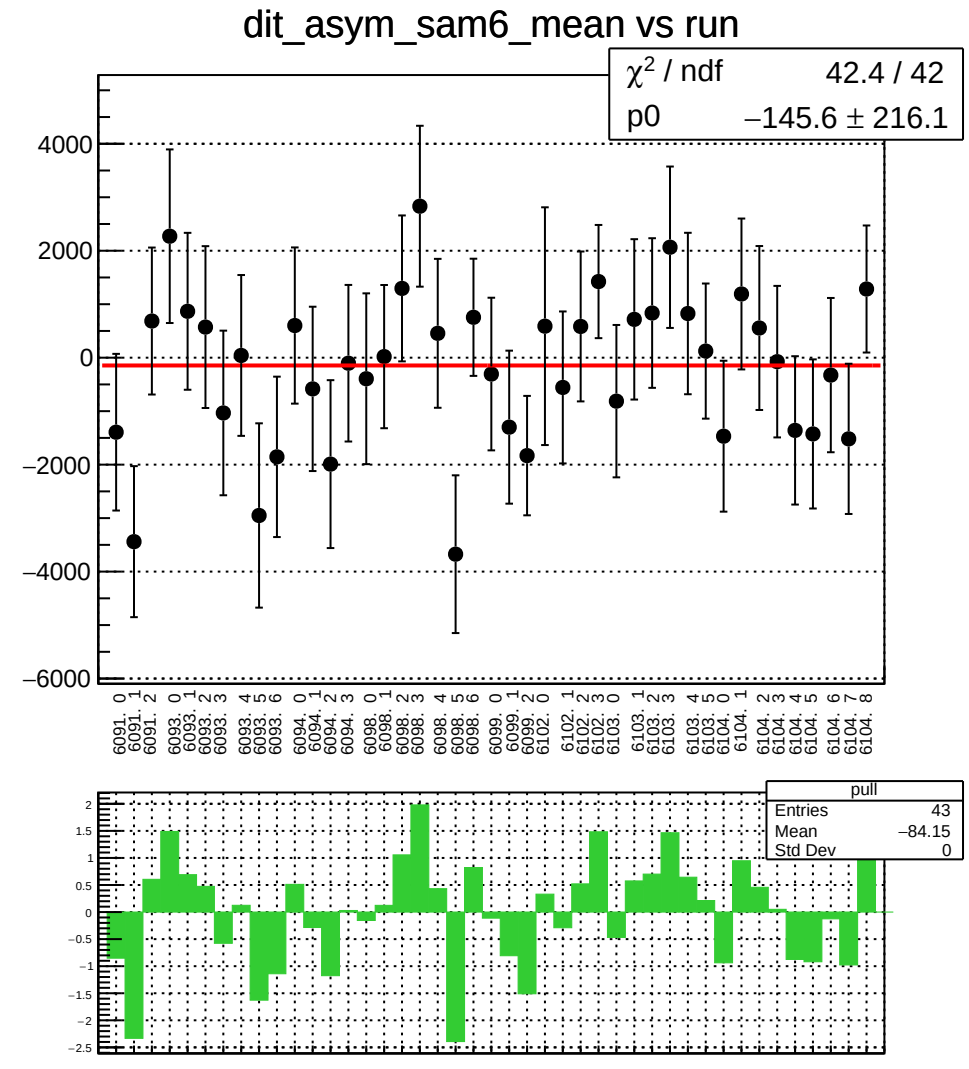

asym_sam6_cor_correction_rms vs run
χ² / ndf 3544 / 42
p0 1154 ± 1.272
1300
1250
1200
1150
1100
1050
1000
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

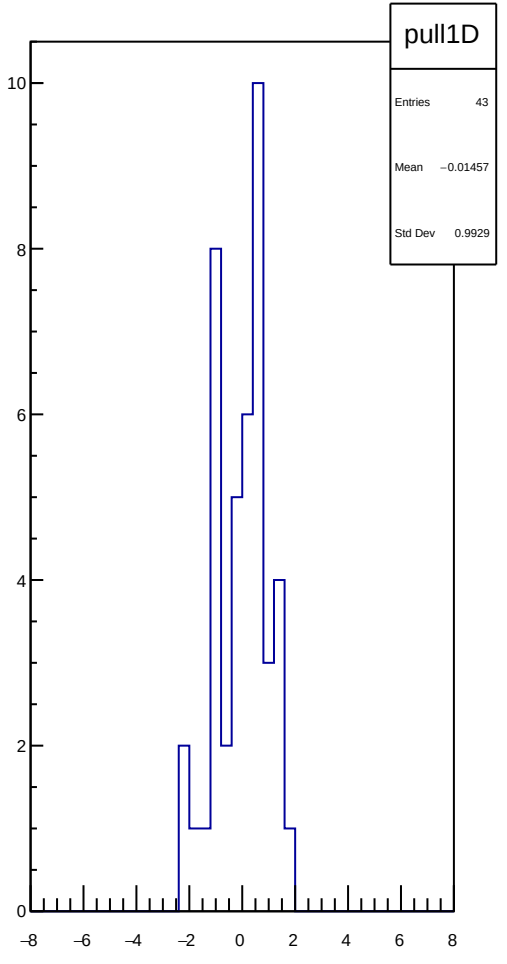

eigen_cor_asym_sam6_mean vs run
χ² / ndf 40.47 / 42
p0 −96.85 ± 182.4
pull
Entries 43
Mean −56.12
Std Dev 0
pull1D
Entries 43
Mean −0.01501
Std Dev 0.9701

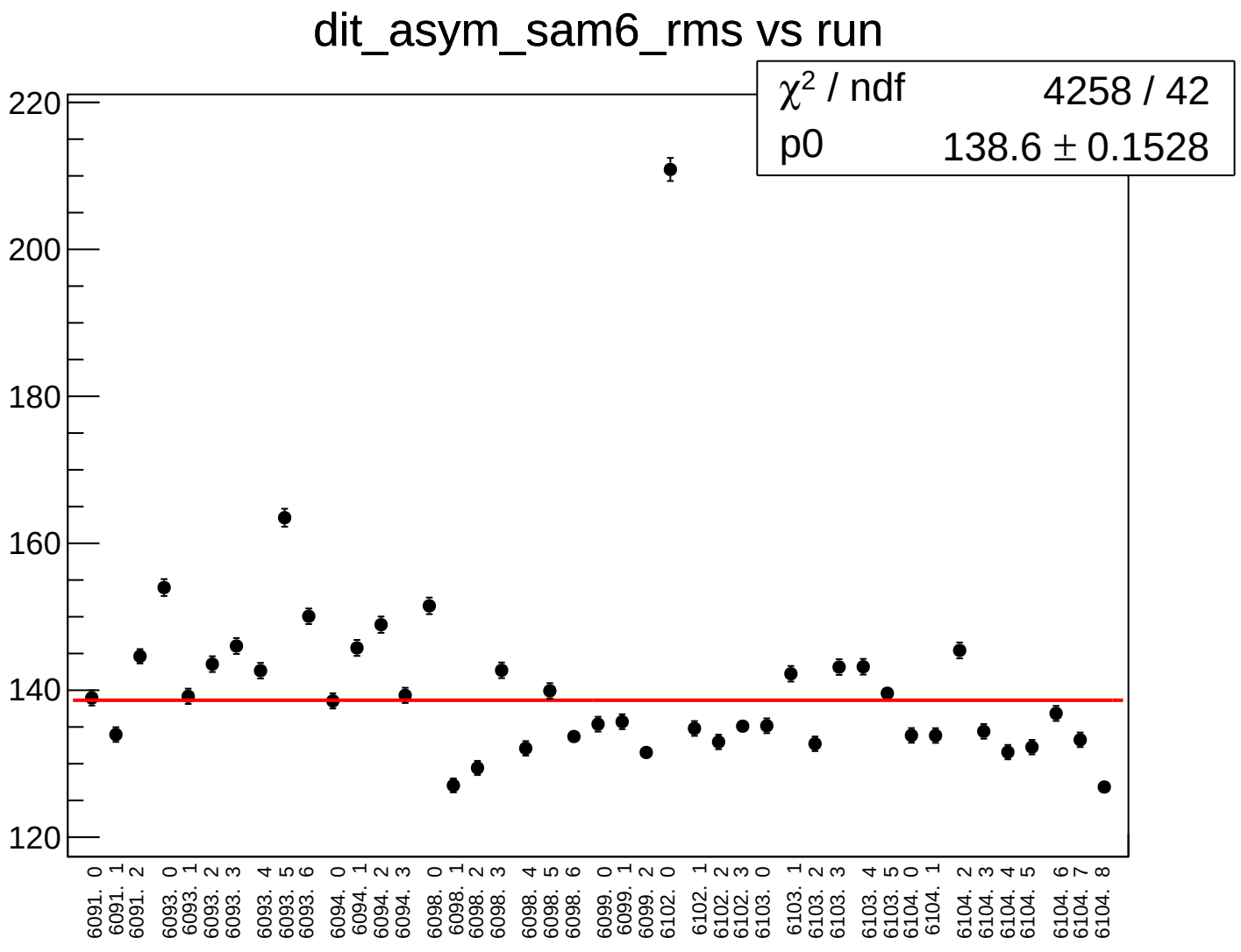

eigen_cor_asym_sam6_rms vs run
χ² / ndf 1914 / 42
p0 117.2 ± 0.129
150
140
130
120
110
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

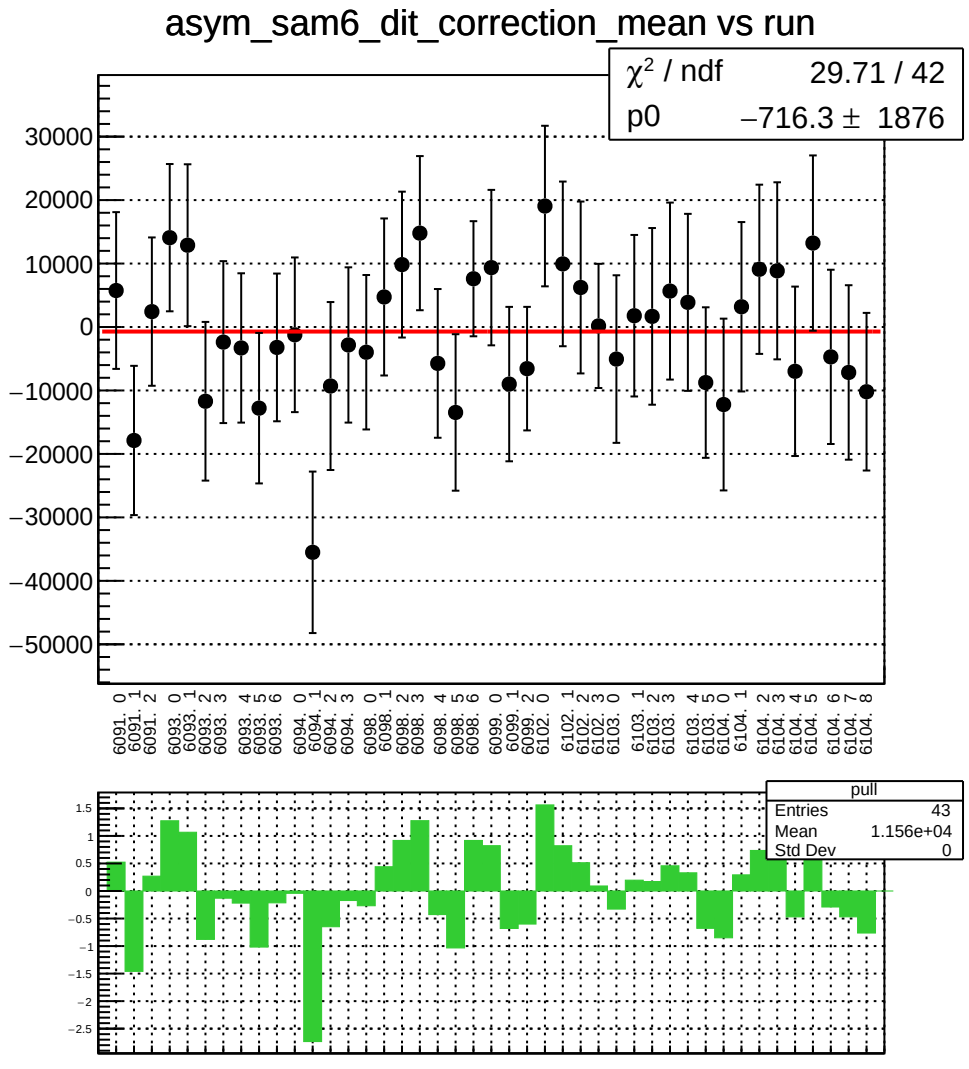

asym_sam6_eigen_cor_correction_mean vs run
χ² / ndf 29.75 / 42
p0 −585 ± 1798
pull
Entries 43
Mean −231.5
Std Dev 0
pull1D
Entries 43
Mean −0.003434
Std Dev 0.8318

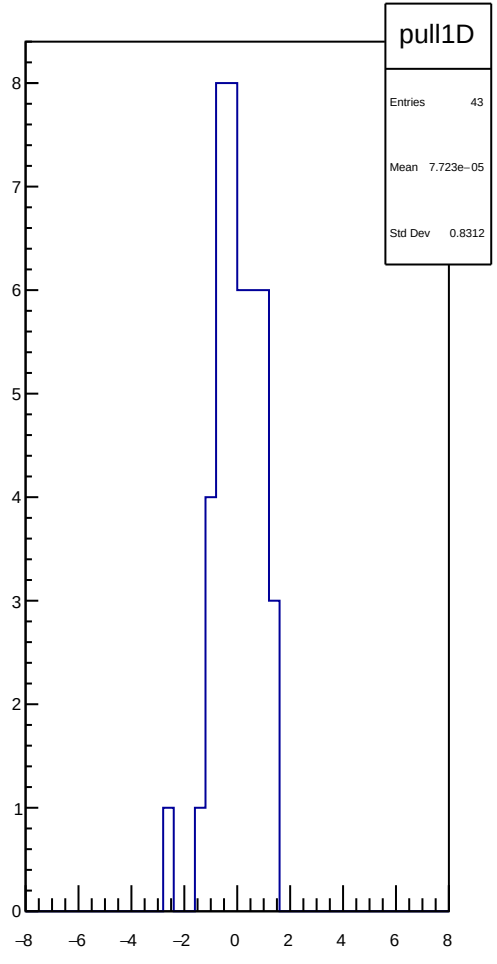

asym_sam6_eigen_cor_correction_rms vs run
χ² / ndf 3544 / 42
p0 1154 ± 1.272
1300
1250
1200
1150
1100
1050
1000
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

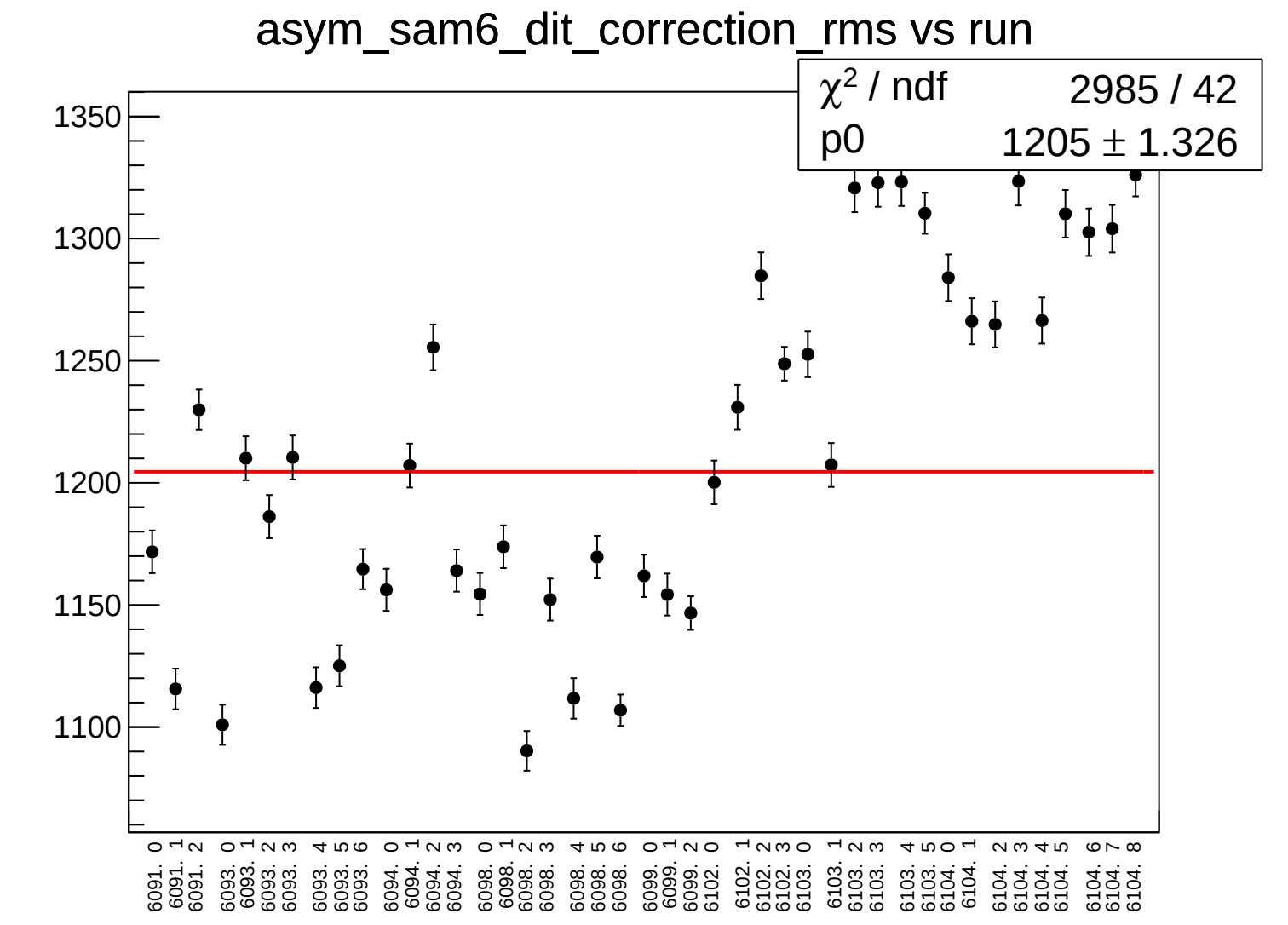

dit_asym_sam6_mean vs run
χ² / ndf 42.4 / 42
p0 −145.6 ± 216.1
4000
2000
0
−2000
−4000
−6000
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean −84.15
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

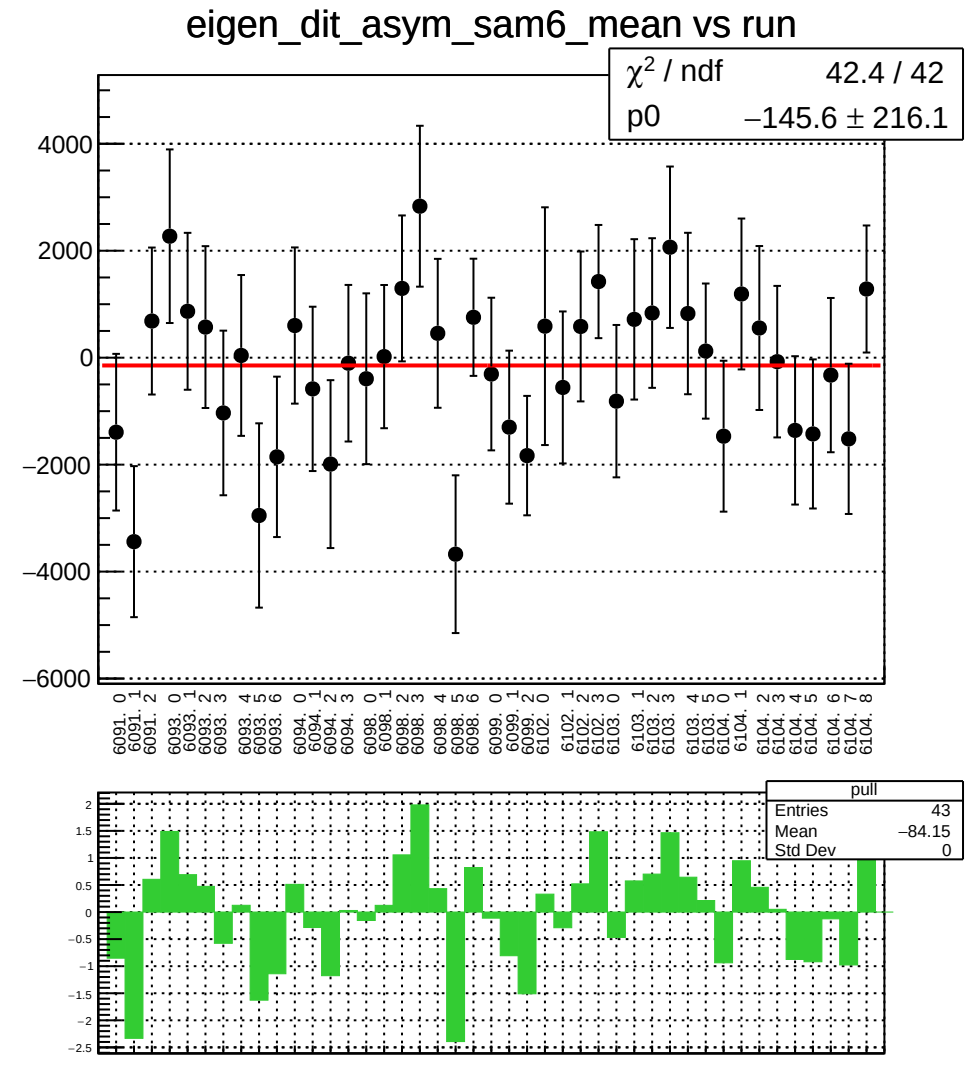

pull1D
Entries 43
Mean −0.01457
Std Dev 0.9929
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

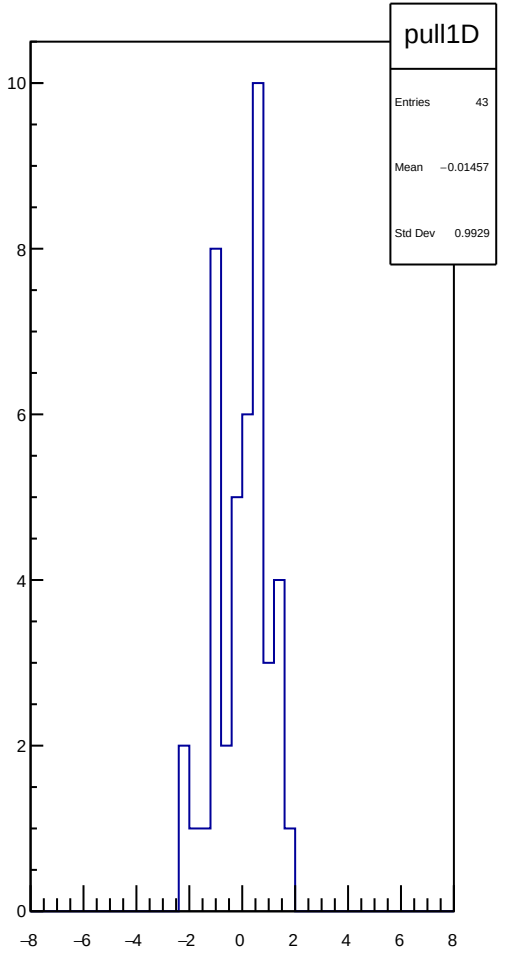

dit_asym_sam6_rms vs run
χ² / ndf 4258 / 42
p0 138.6 ± 0.1528
220
200
180
160
140
120
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

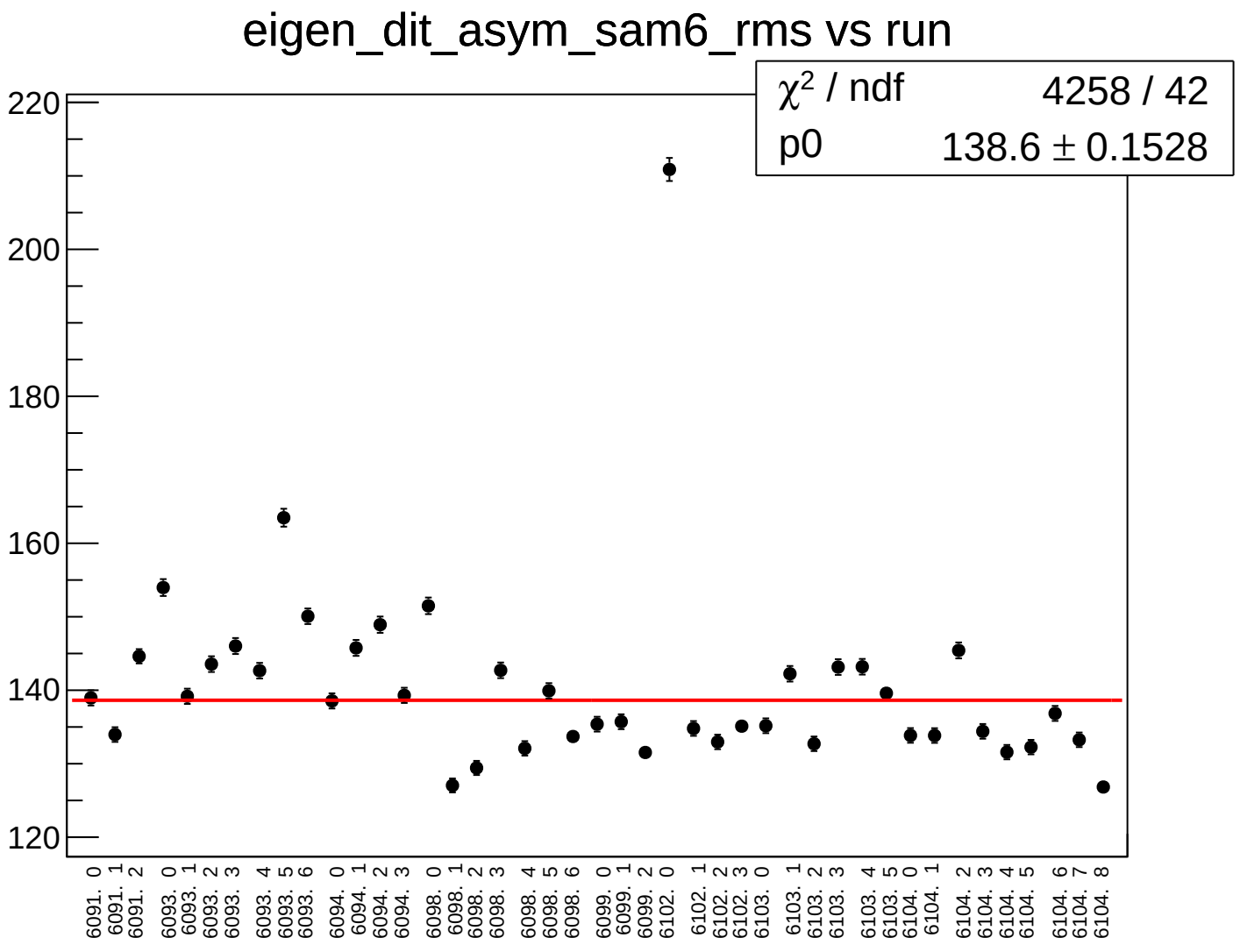

asym_sam6_dit_correction_mean vs run
χ² / ndf 29.71 / 42
p0 −716.3 ± 1876
30000
20000
10000
0
−10000
−20000
−30000
−40000
−50000
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 1.156e+04
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

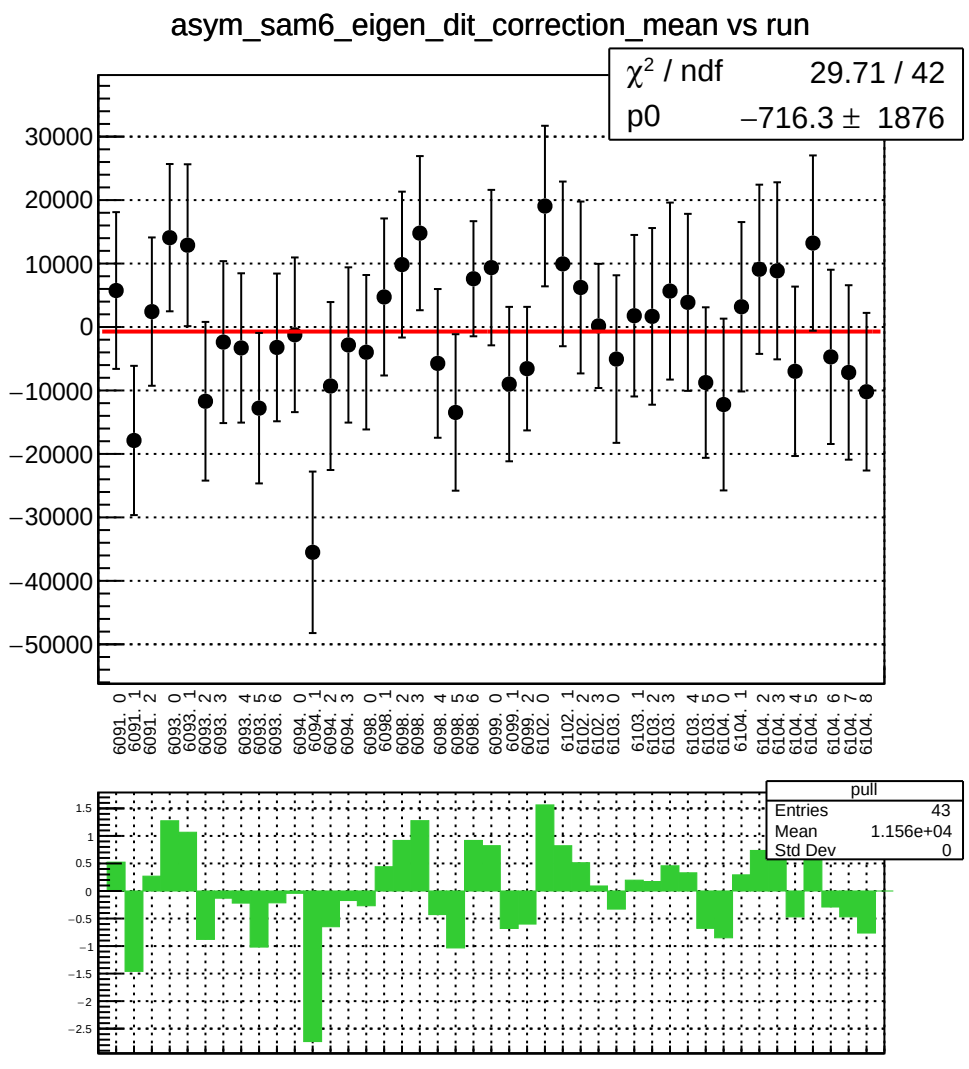

pull1D
Entries 43
Mean 7.723e−05
Std Dev 0.8312
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

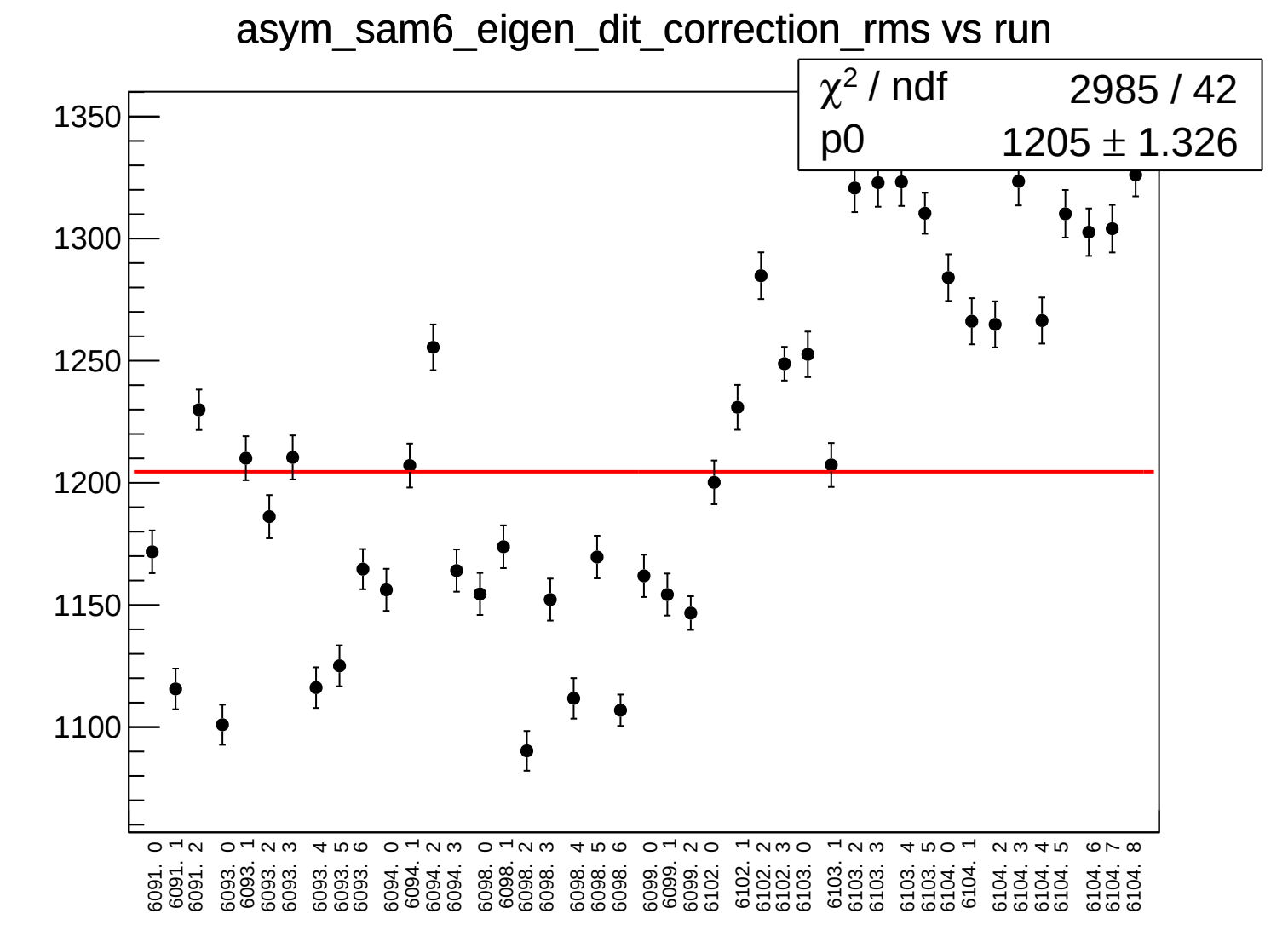

asym_sam6_dit_correction_rms vs run
χ² / ndf 2985 / 42
p0 1205 ± 1.326
1350
1300
1250
1200
1150
1100
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

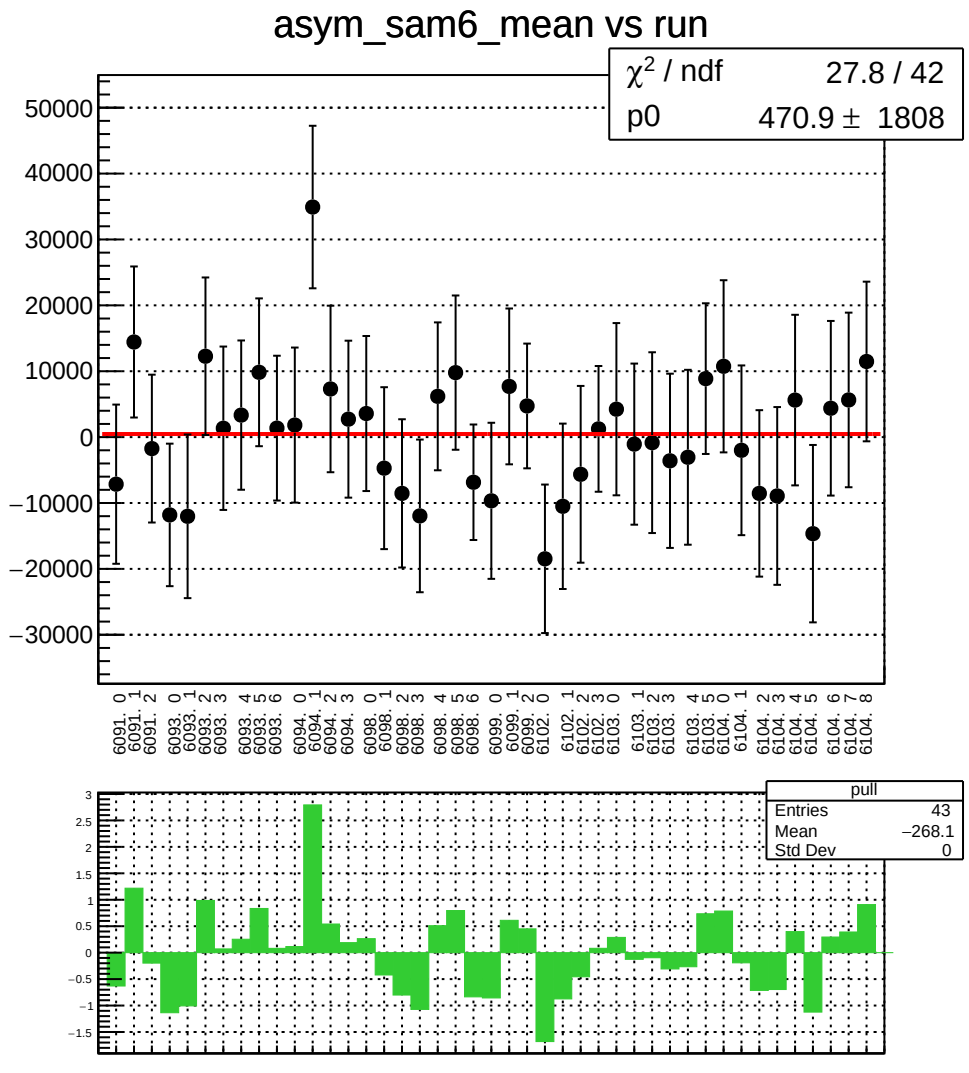

eigen_dit_asym_sam6_mean vs run
χ² / ndf 42.4 / 42
p0 −145.6 ± 216.1
4000
2000
0
−2000
−4000
−6000
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean −84.15
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

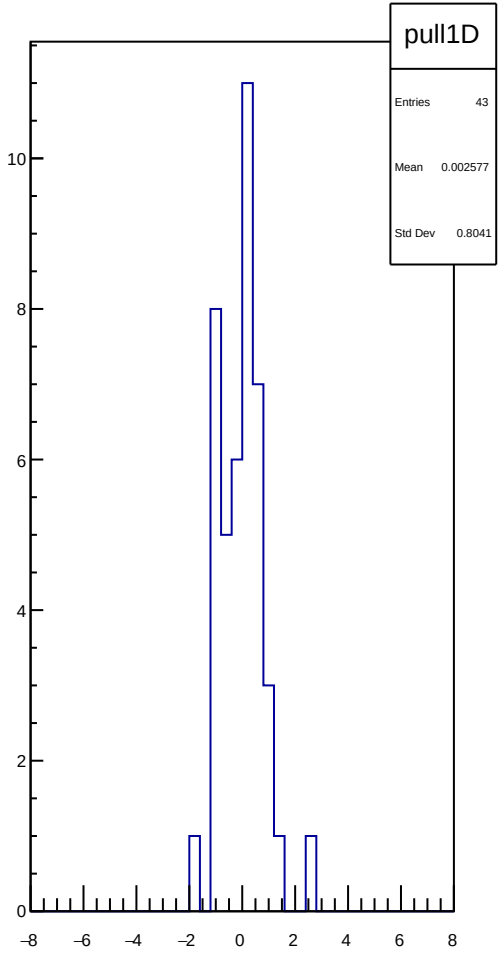

pull1D
Entries 43
Mean −0.01457
Std Dev 0.9929
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

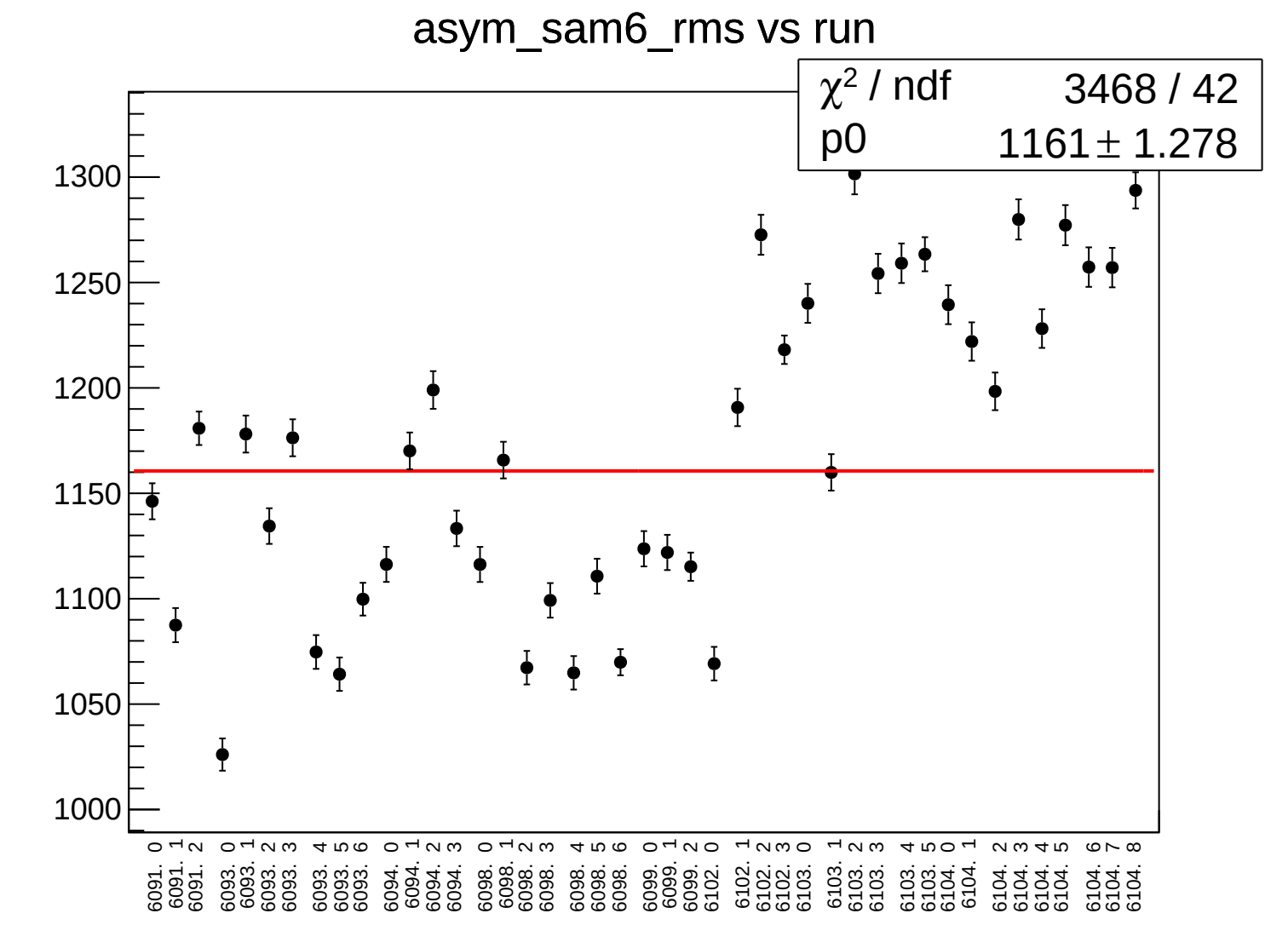

eigen_dit_asym_sam6_rms vs run
χ² / ndf 4258 / 42
p0 138.6 ± 0.1528
220
200
180
160
140
120
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

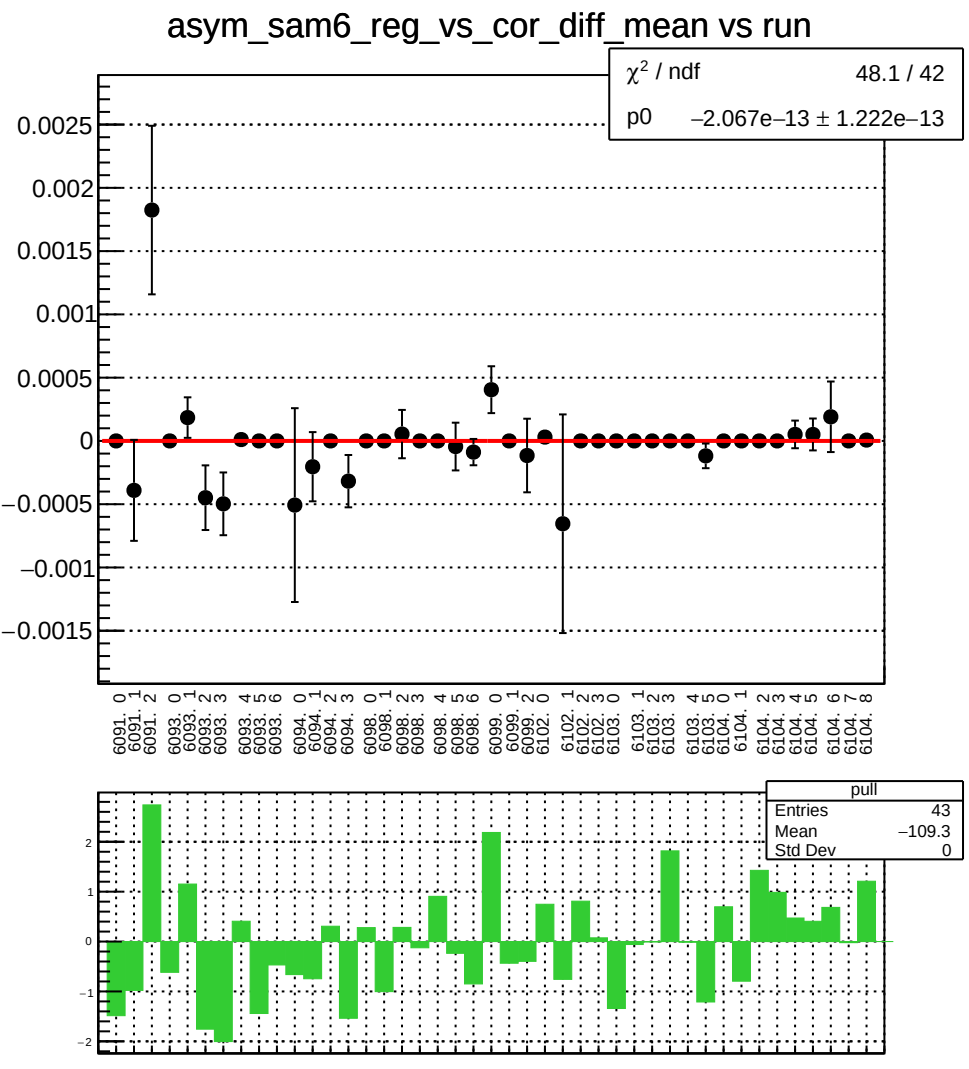

asym_sam6_eigen_dit_correction_mean vs run
χ² / ndf 29.71 / 42
p0 −716.3 ± 1876
30000
20000
10000
0
−10000
−20000
−30000
−40000
−50000
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 1.156e+04
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5
pull1D
Entries 43
Mean 7.723e−05
Std Dev 0.8312
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

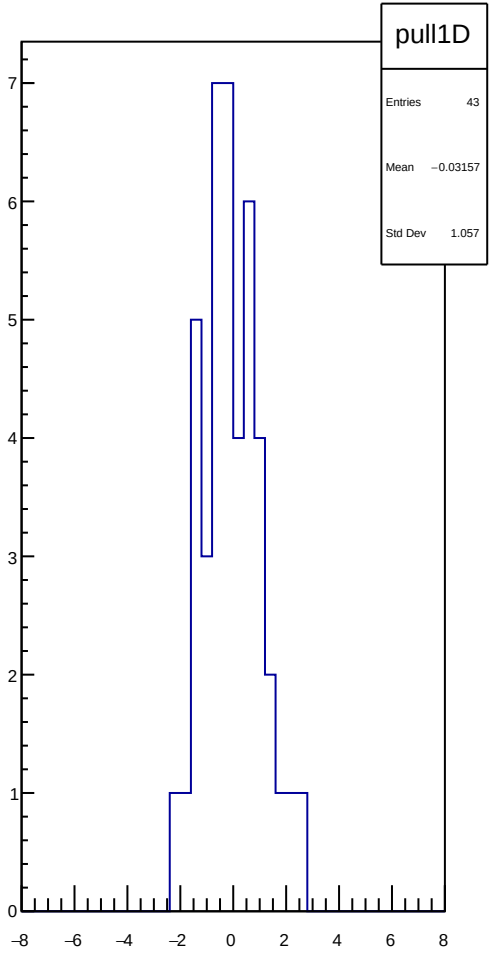

asym_sam6_eigen_dit_correction_rms vs run
χ² / ndf 2985 / 42
p0 1205 ± 1.326
1350
1300
1250
1200
1150
1100
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

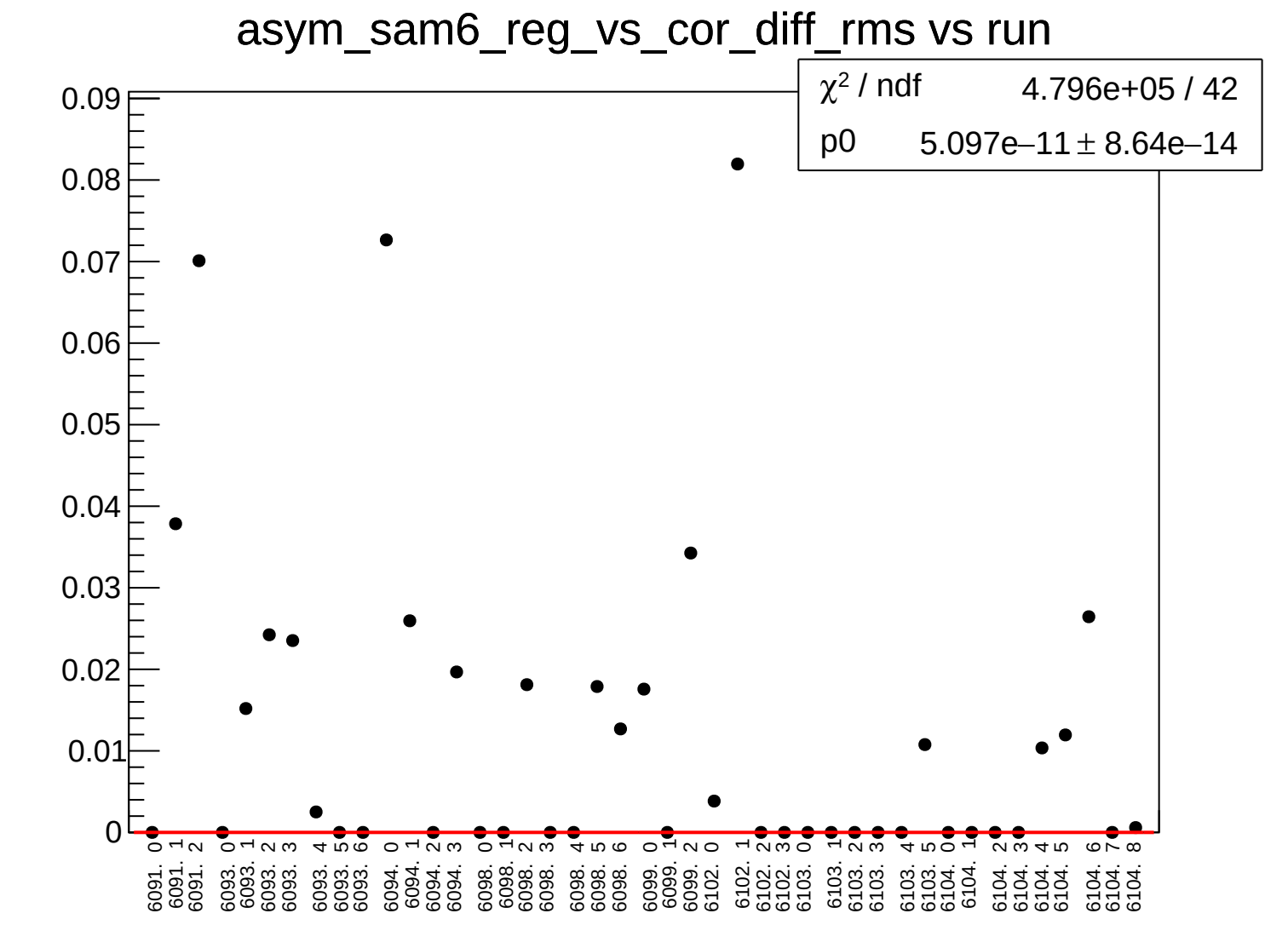

asym_sam6_mean vs run
χ² / ndf 27.8 / 42
p0 470.9 ± 1808
50000
40000
30000
20000
10000
0
−10000
−20000
−30000
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean −268.1
Std Dev 0
3
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5

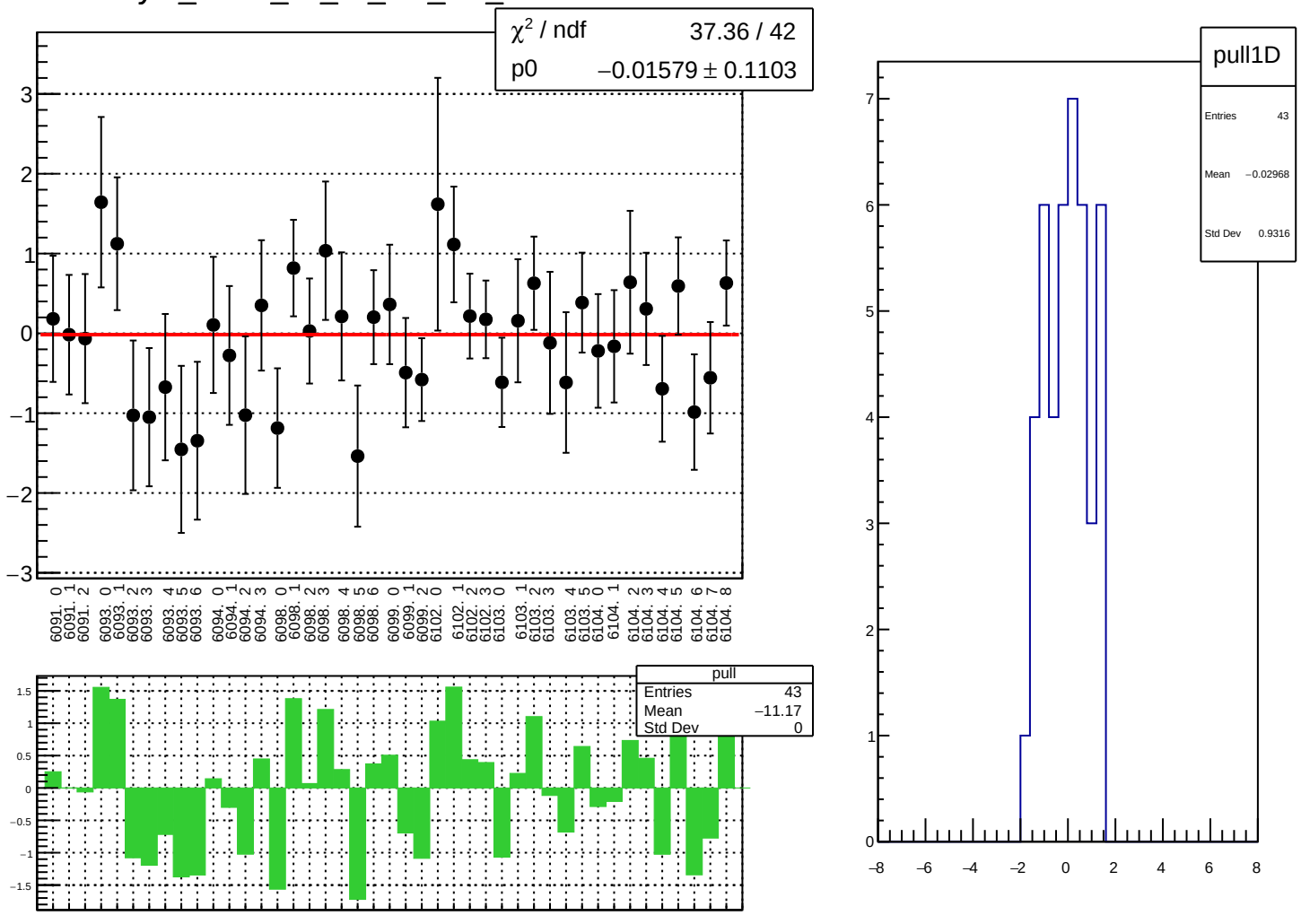

pull1D
Entries 43
Mean 0.002577
Std Dev 0.8041
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

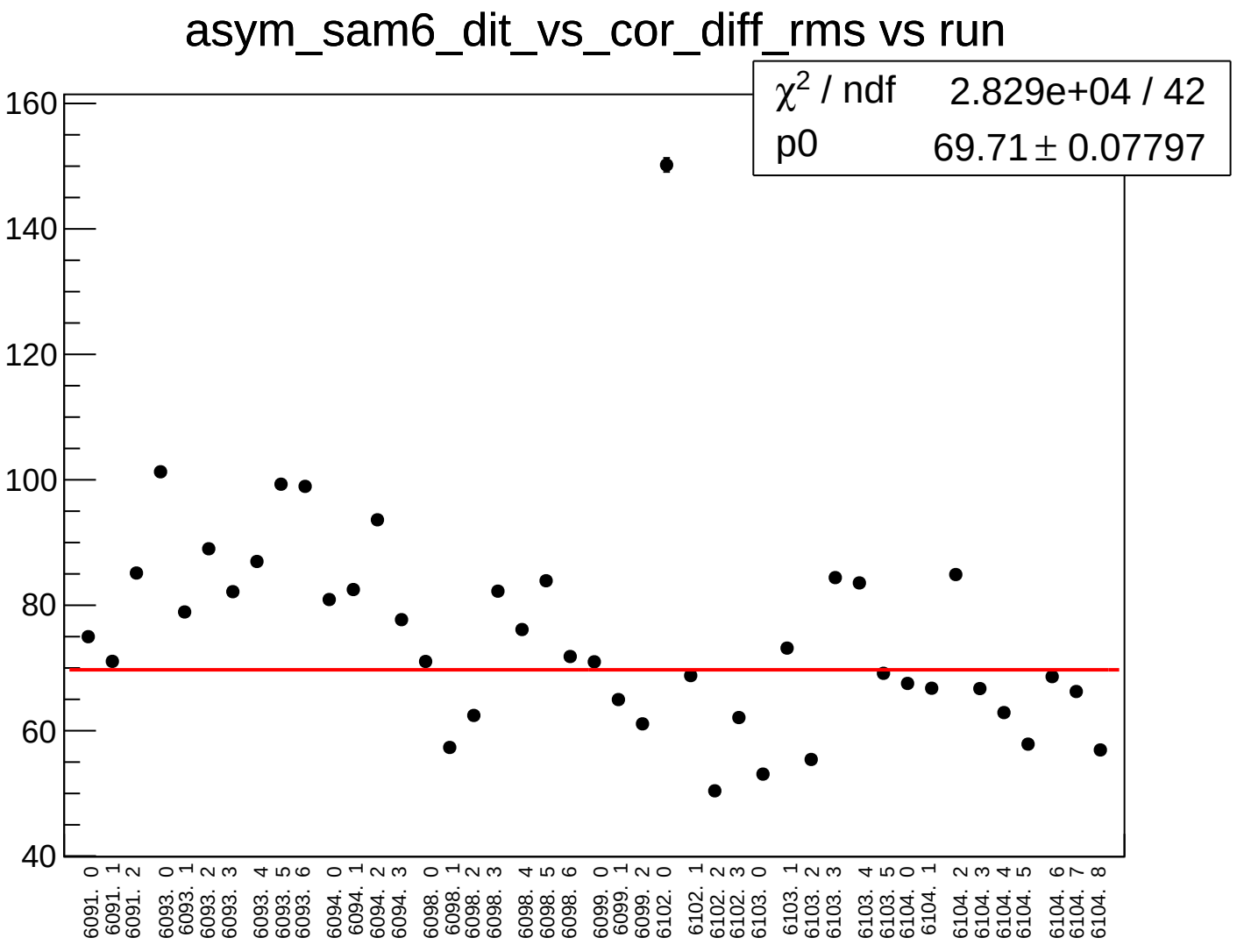

asym_sam6_rms vs run
χ² / ndf 3468 / 42
p0 1161 ± 1.278
1300
1250
1200
1150
1100
1050
1000
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

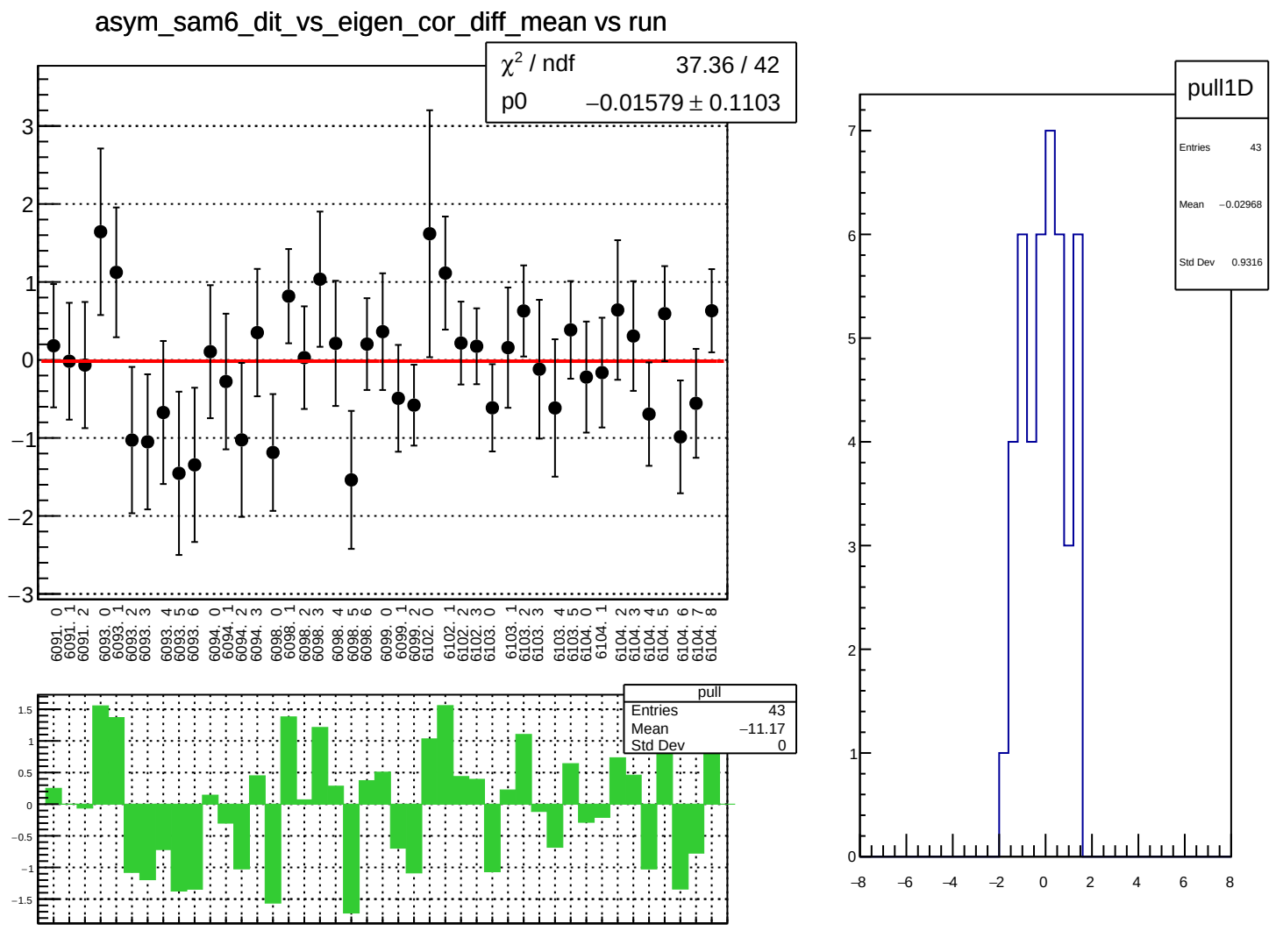

asym_sam6_reg_vs_cor_diff_mean vs run
χ² / ndf 48.1 / 42
p0 −2.067e−13 ± 1.222e−13
0.0025
0.002
0.0015
0.001
0.0005
0
−0.0005
−0.001
−0.0015
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean −109.3
Std Dev 0
2
1
0
−1
−2

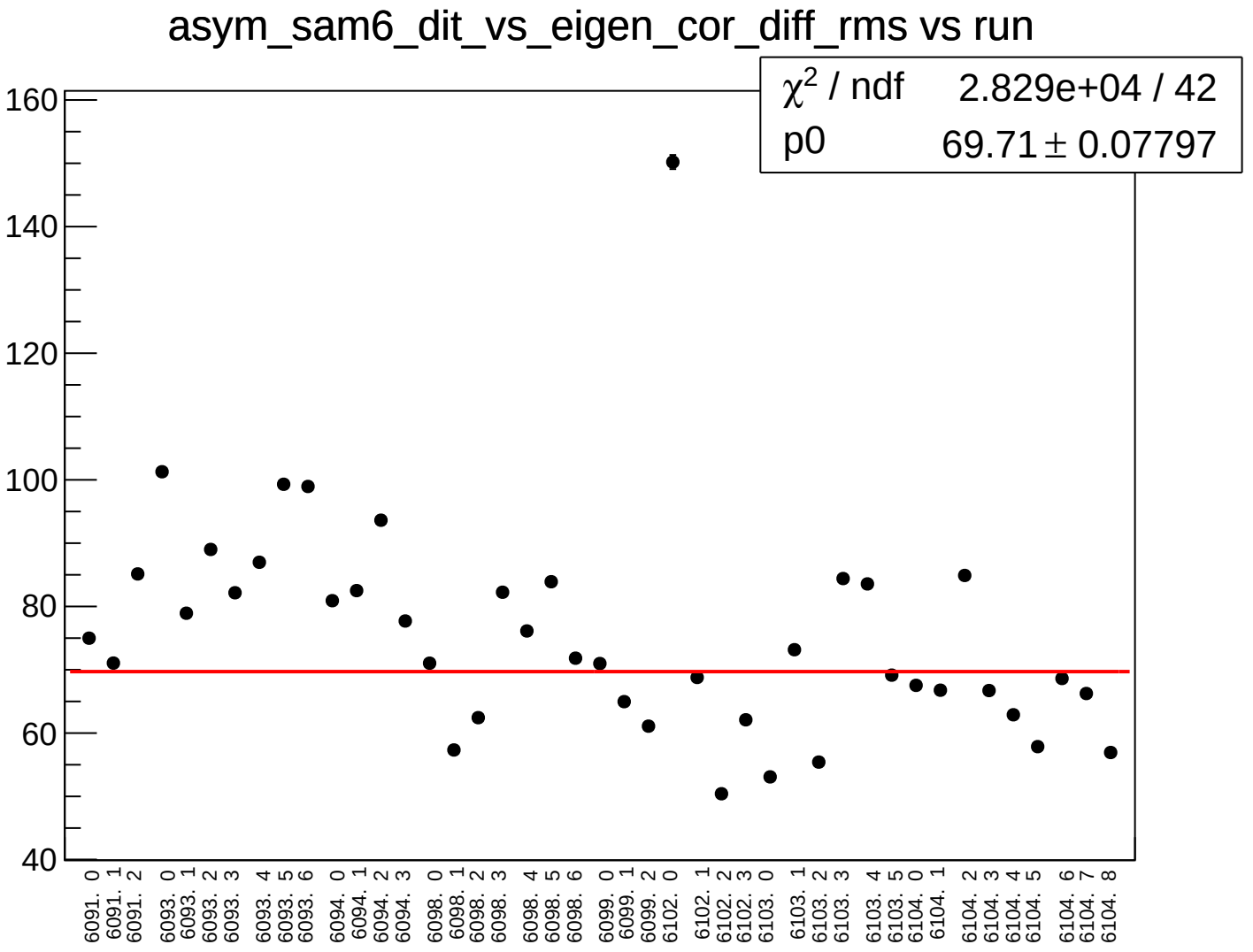

pull1D
Entries 43
Mean −0.03157
Std Dev 1.057
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

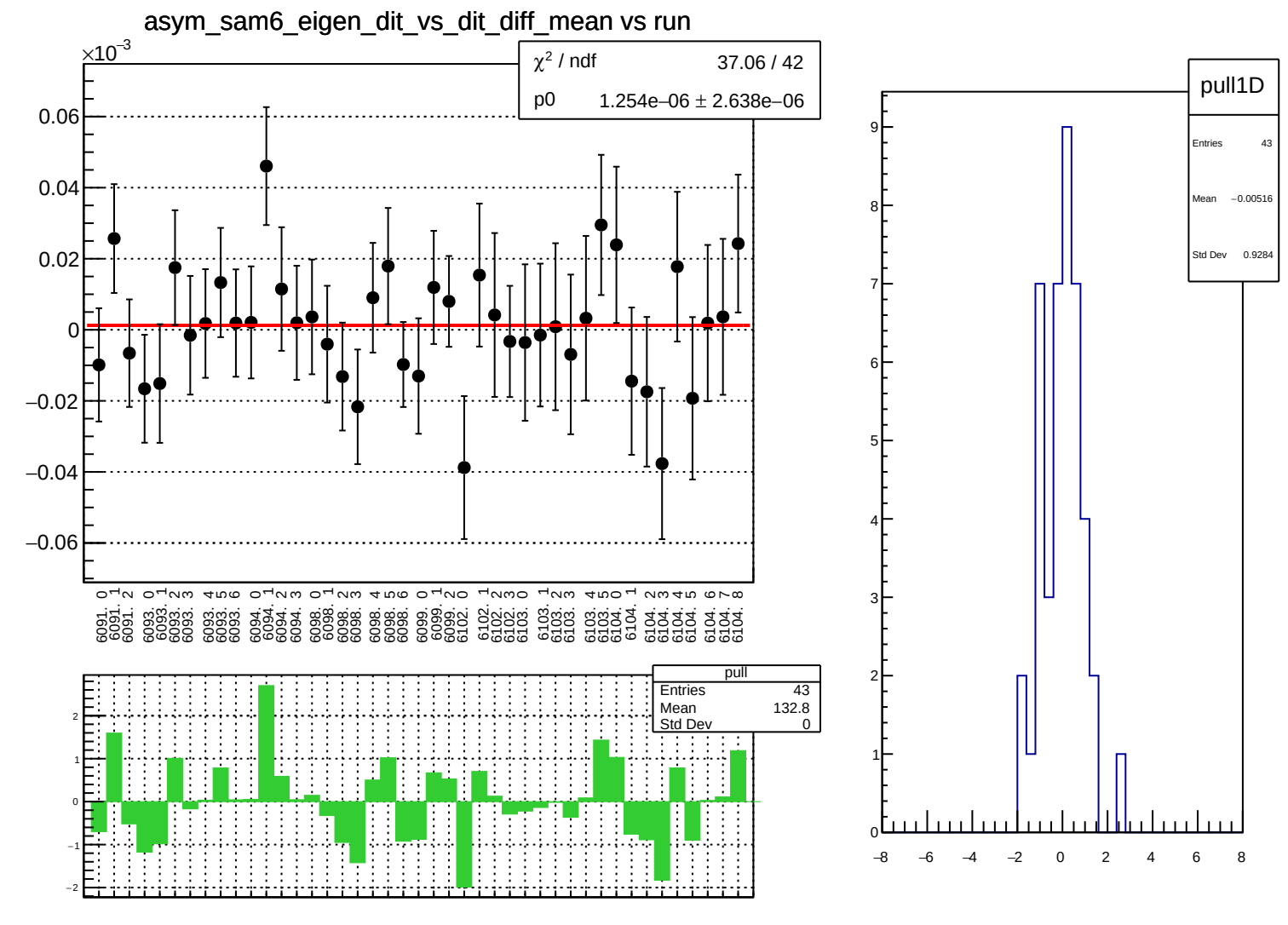

asym_sam6_reg_vs_cor_diff_rms vs run
χ² / ndf 4.796e+05 / 42
p0 5.097e−11 ± 8.64e−14
0.09
0.08
0.07
0.06
0.05
0.04
0.03
0.02
0.01
0
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

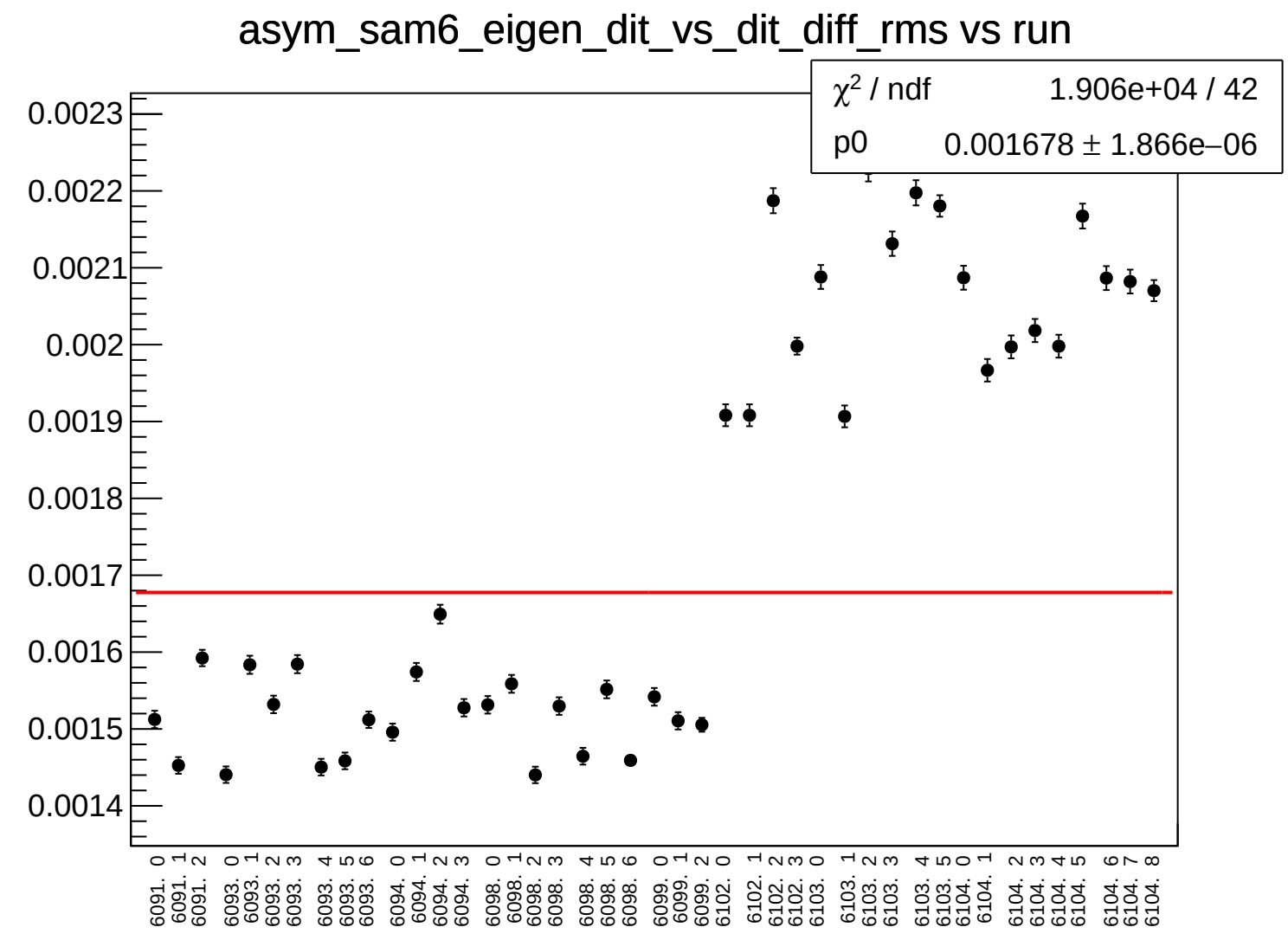

asym_sam6_dit_vs_cor_diff_mean vs run
χ² / ndf 37.36 / 42
p0 −0.01579 ± 0.1103
pull
Entries 43
Mean −11.17
Std Dev 0
pull1D
Entries 43
Mean −0.02968
Std Dev 0.9316

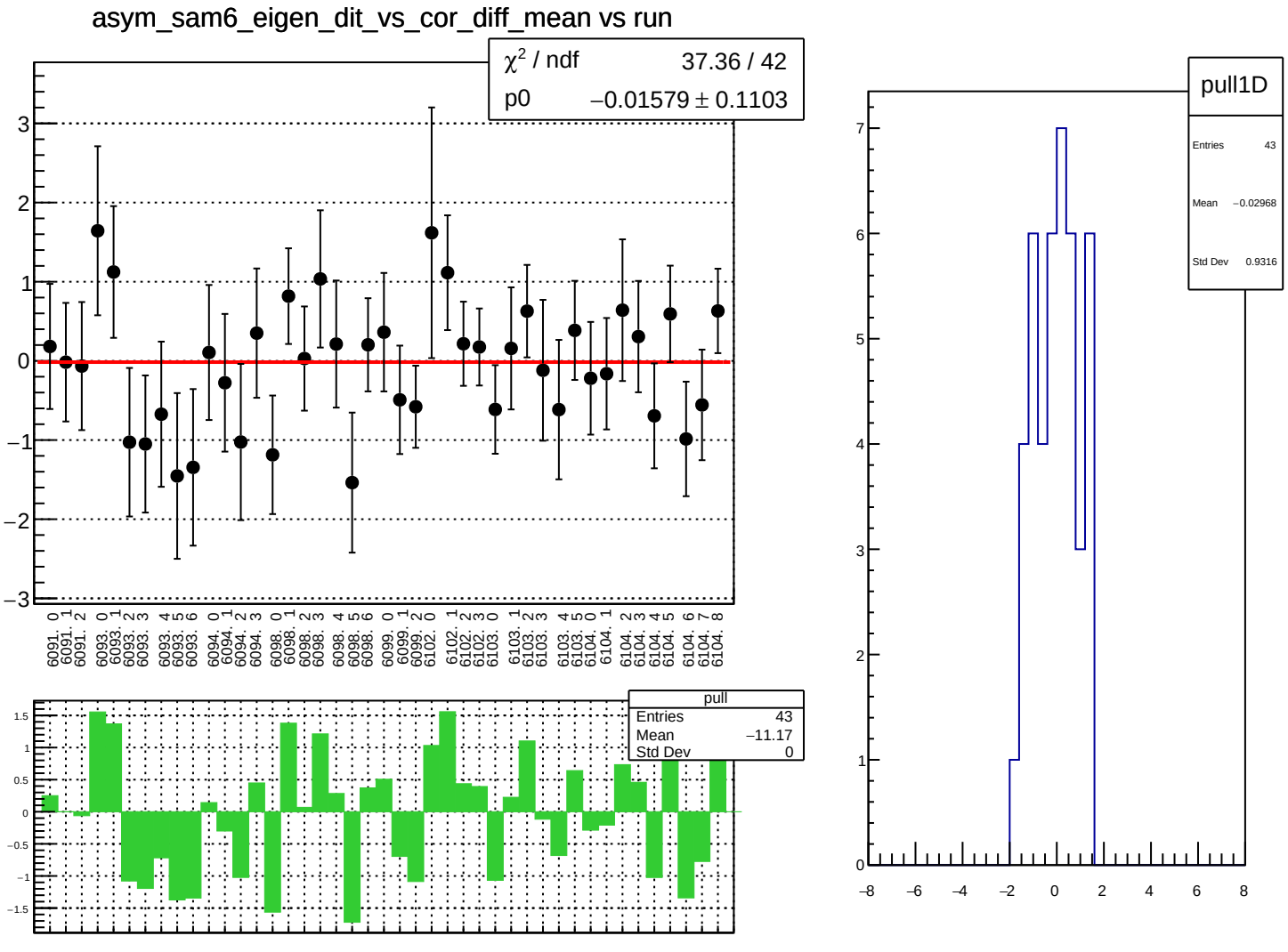

asym_sam6_dit_vs_cor_diff_rms vs run
χ² / ndf 2.829e+04 / 42
p0 69.71 ± 0.07797
160
140
120
100
80
60
40
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

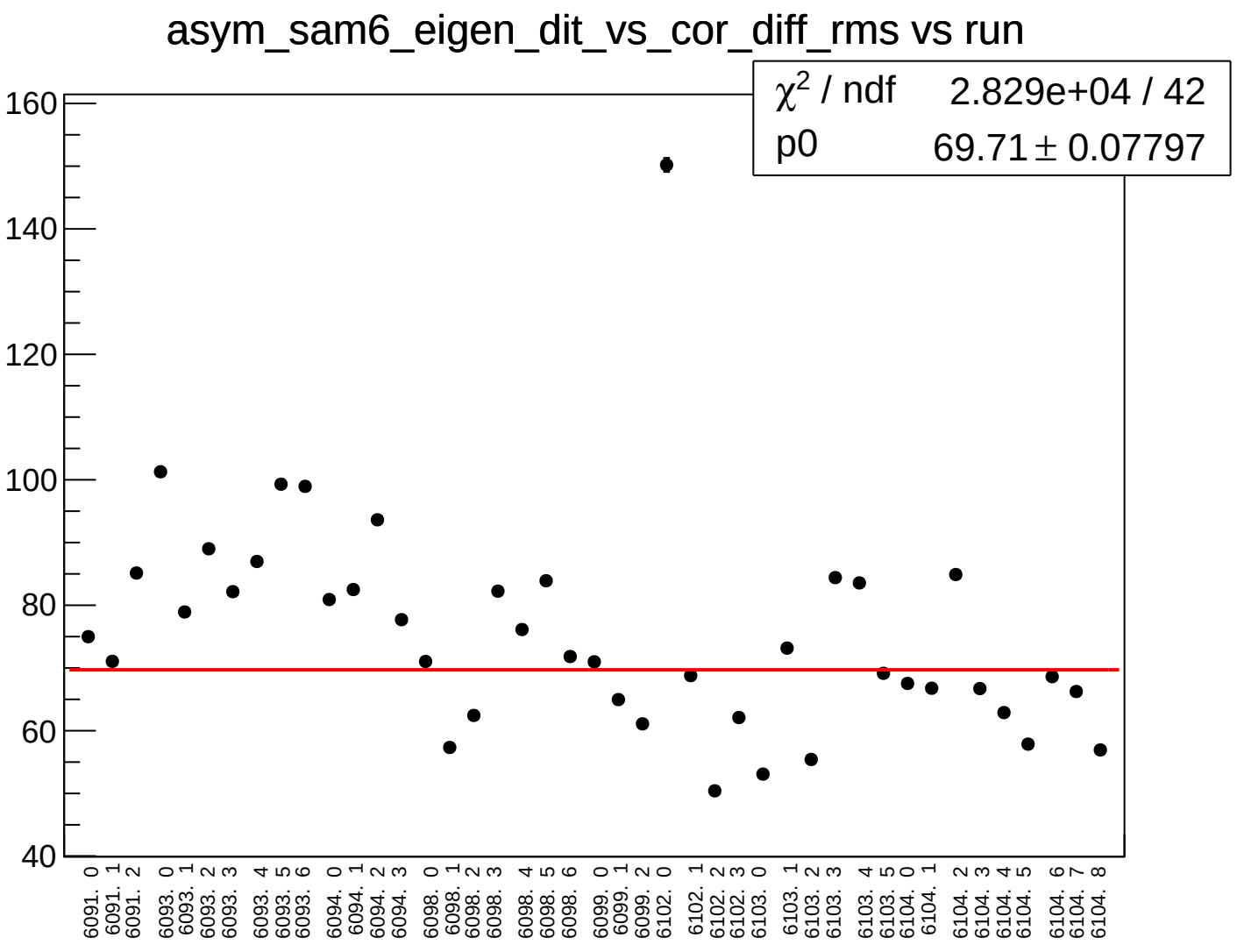

asym_sam6_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 37.36 / 42
p0 −0.01579 ± 0.1103
pull
Entries 43
Mean −11.17
Std Dev 0
pull1D
Entries 43
Mean −0.02968
Std Dev 0.9316

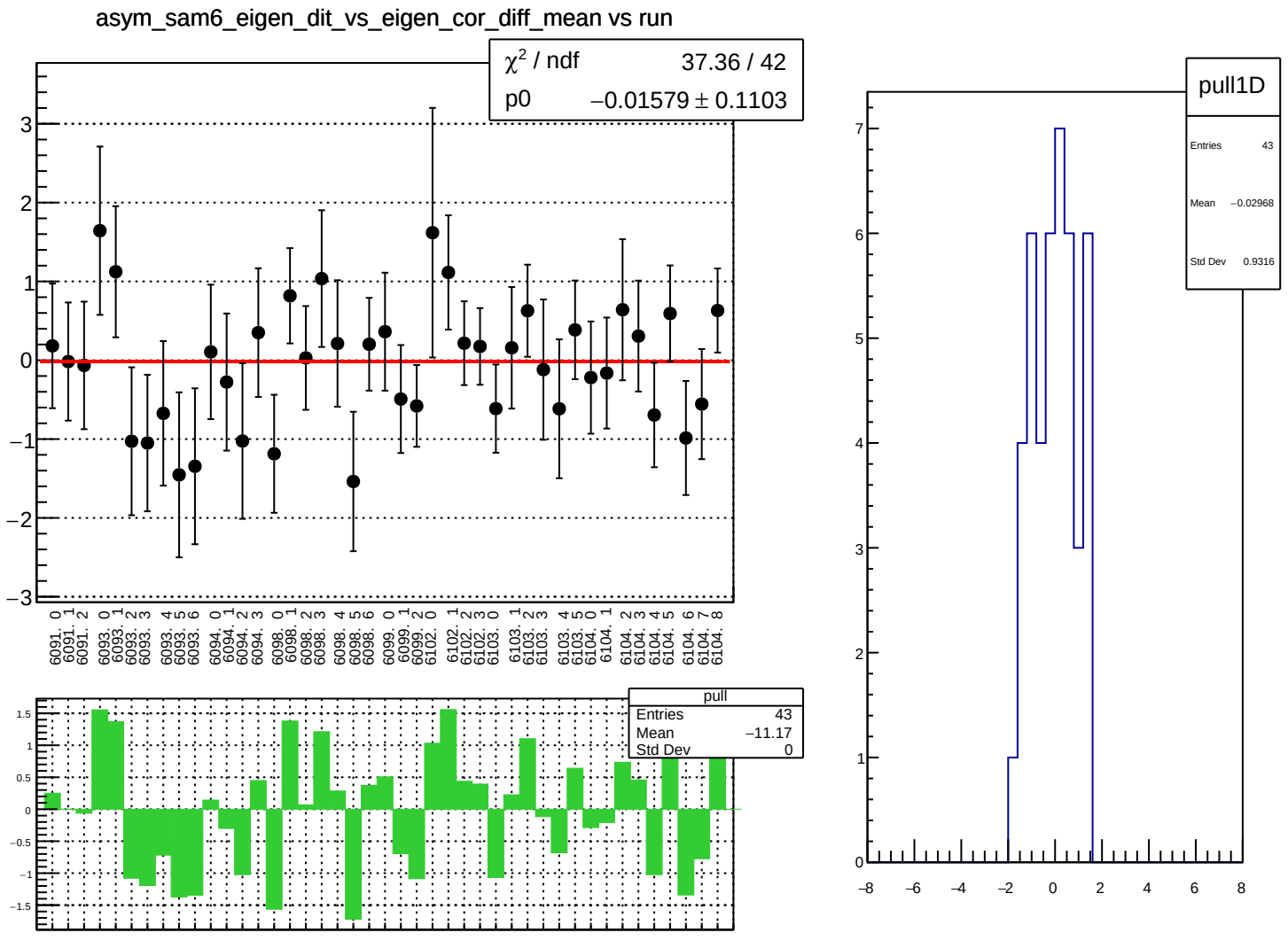

asym_sam6_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 2.829e+04 / 42
p0 69.71 ± 0.07797
160
140
120
100
80
60
40
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

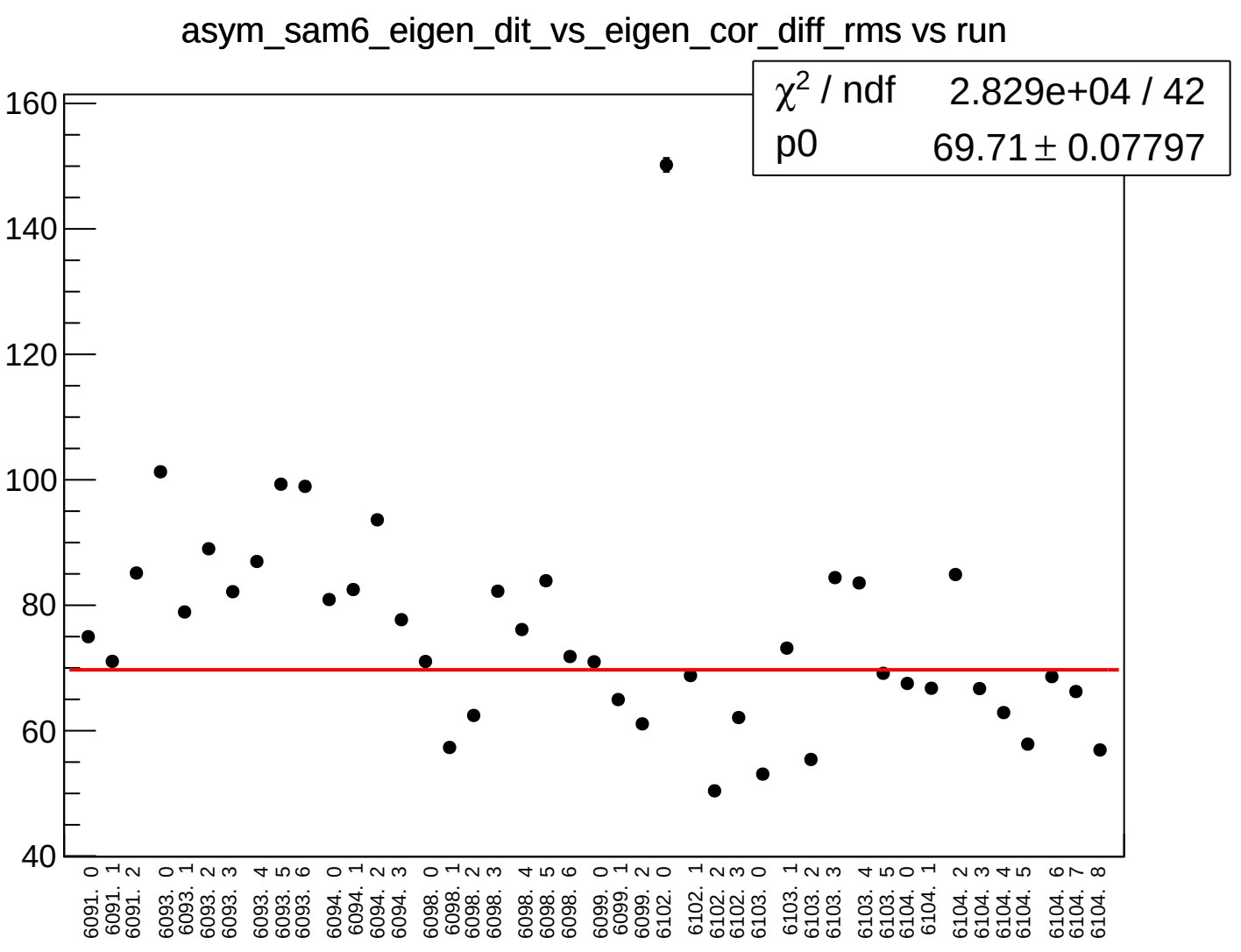

asym_sam6_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 37.06 / 42
p0 1.254e−06 ± 2.638e−06
0.06
0.04
0.02
0
−0.02
−0.04
−0.06
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 132.8
Std Dev 0
2
1
0
−1
−2
pull1D
Entries 43
Mean −0.00516
Std Dev 0.9284
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

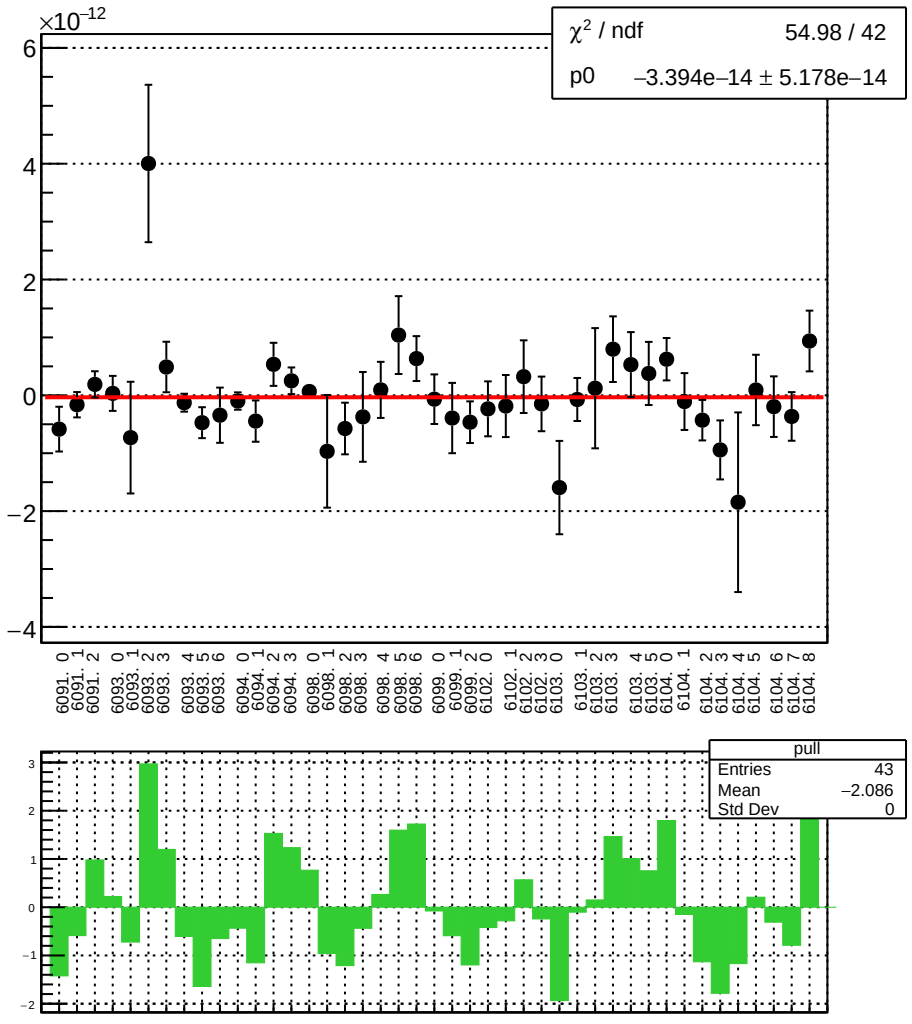

asym_sam6_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 1.906e+04 / 42
p0 0.001678 ± 1.866e−06
0.0023
0.0022
0.0021
0.002
0.0019
0.0018
0.0017
0.0016
0.0015
0.0014
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

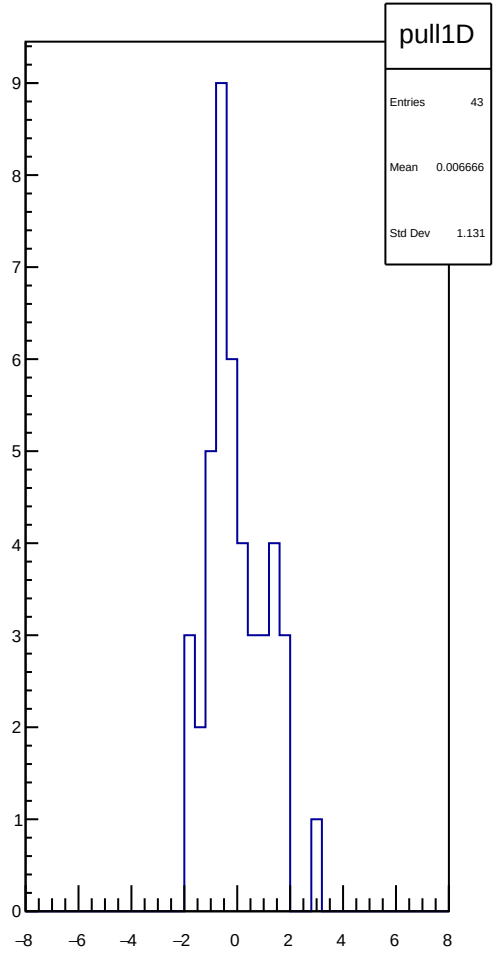

asym_sam6_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 37.36 / 42
p0 −0.01579 ± 0.1103
pull
Entries 43
Mean −11.17
Std Dev 0
pull1D
Entries 43
Mean −0.02968
Std Dev 0.9316

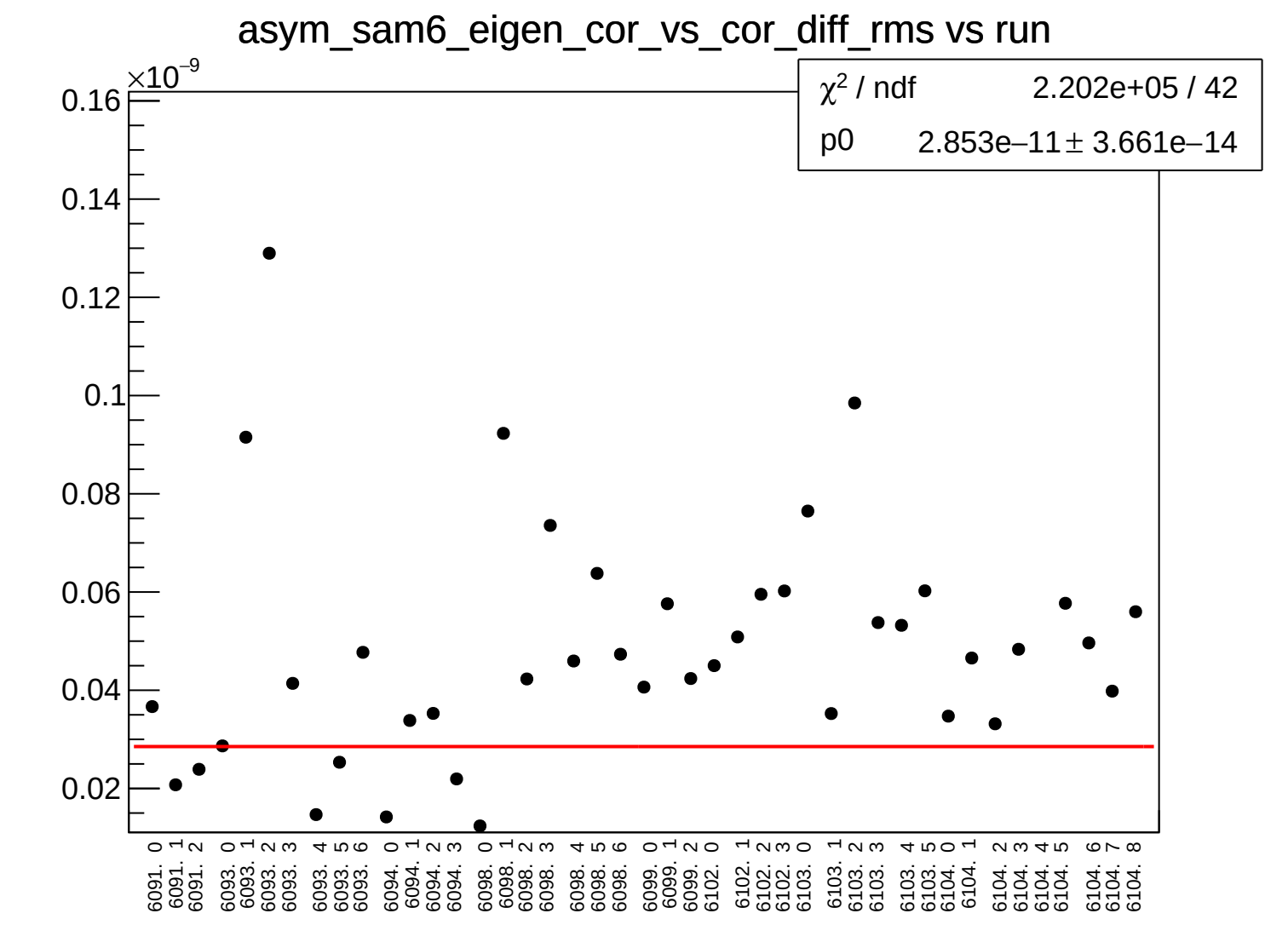

asym_sam6_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 2.829e+04 / 42
p0 69.71 ± 0.07797
160
140
120
100
80
60
40
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

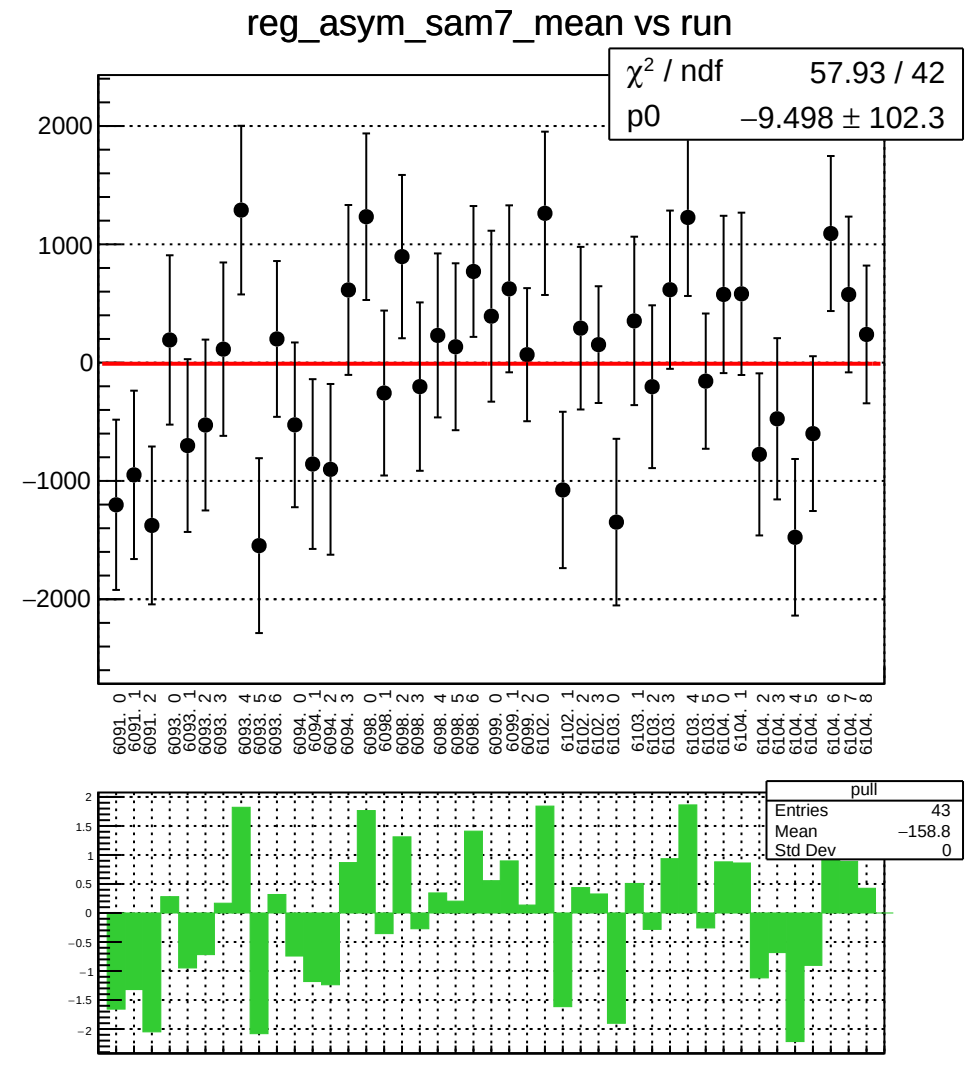

asym_sam6_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 37.36 / 42
p0 −0.01579 ± 0.1103
pull
Entries 43
Mean −11.17
Std Dev 0
pull1D
Entries 43
Mean −0.02968
Std Dev 0.9316

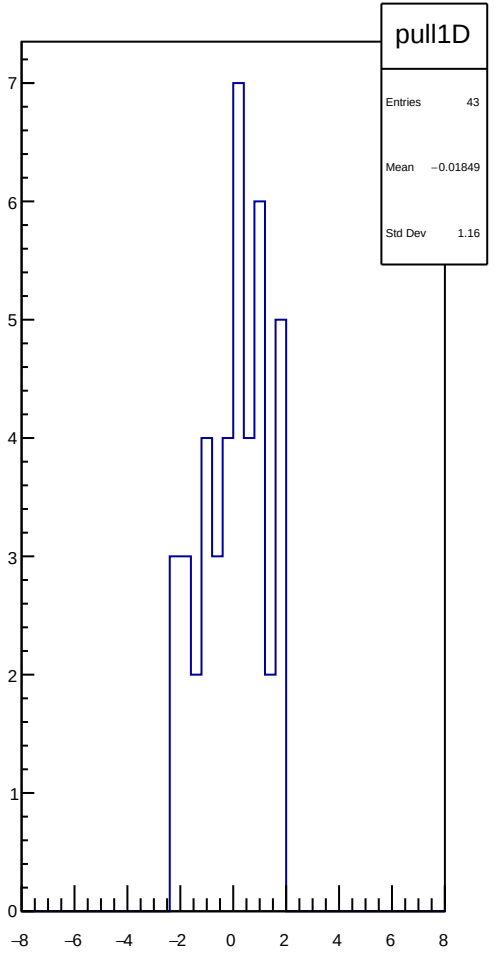

asym_sam6_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 2.829e+04 / 42
p0 69.71 ± 0.07797
160
140
120
100
80
60
40
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

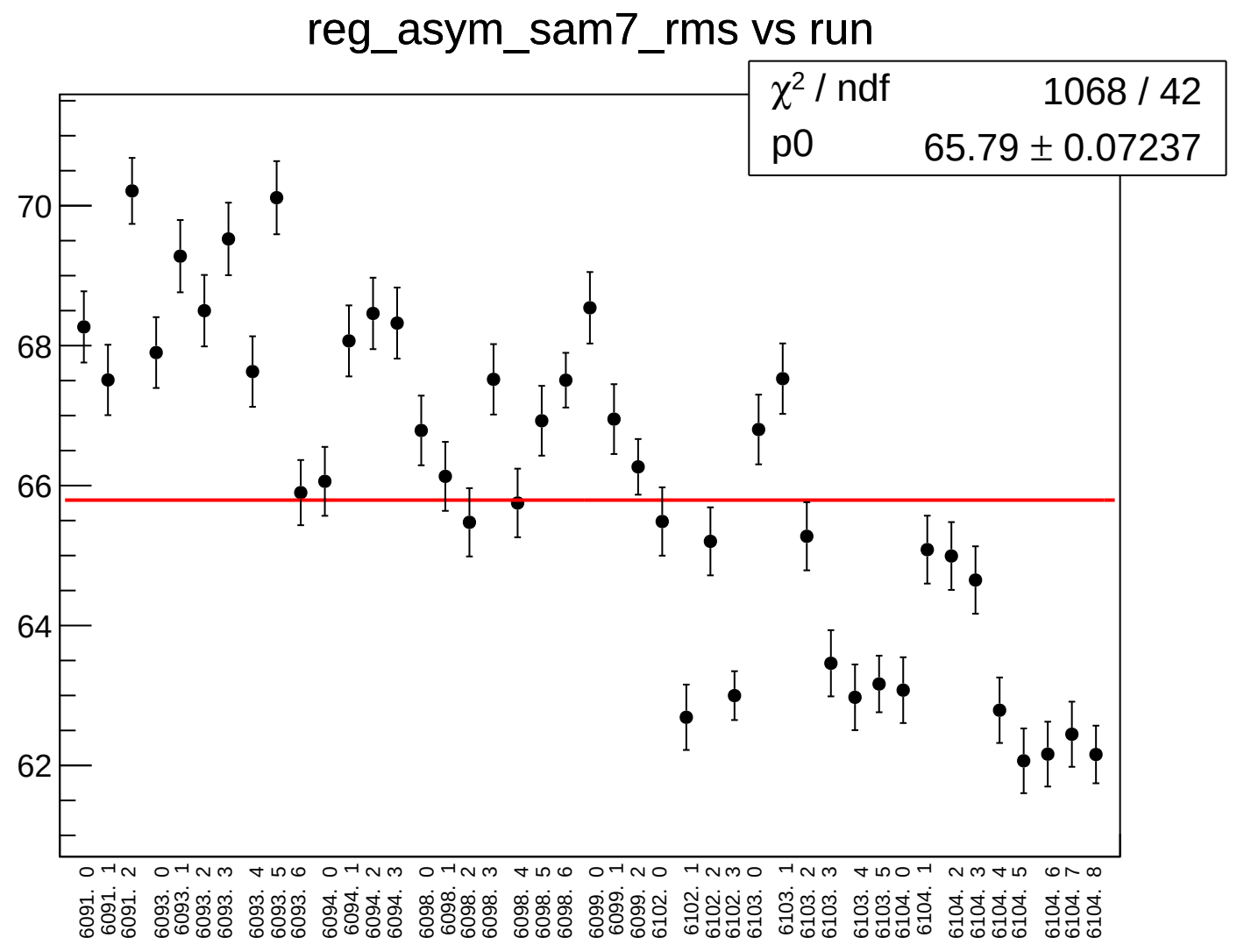

asym_sam6_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 54.98 / 42
p0 −3.394e−14 ± 5.178e−14
pull
Entries 43
Mean −2.086
Std Dev 0

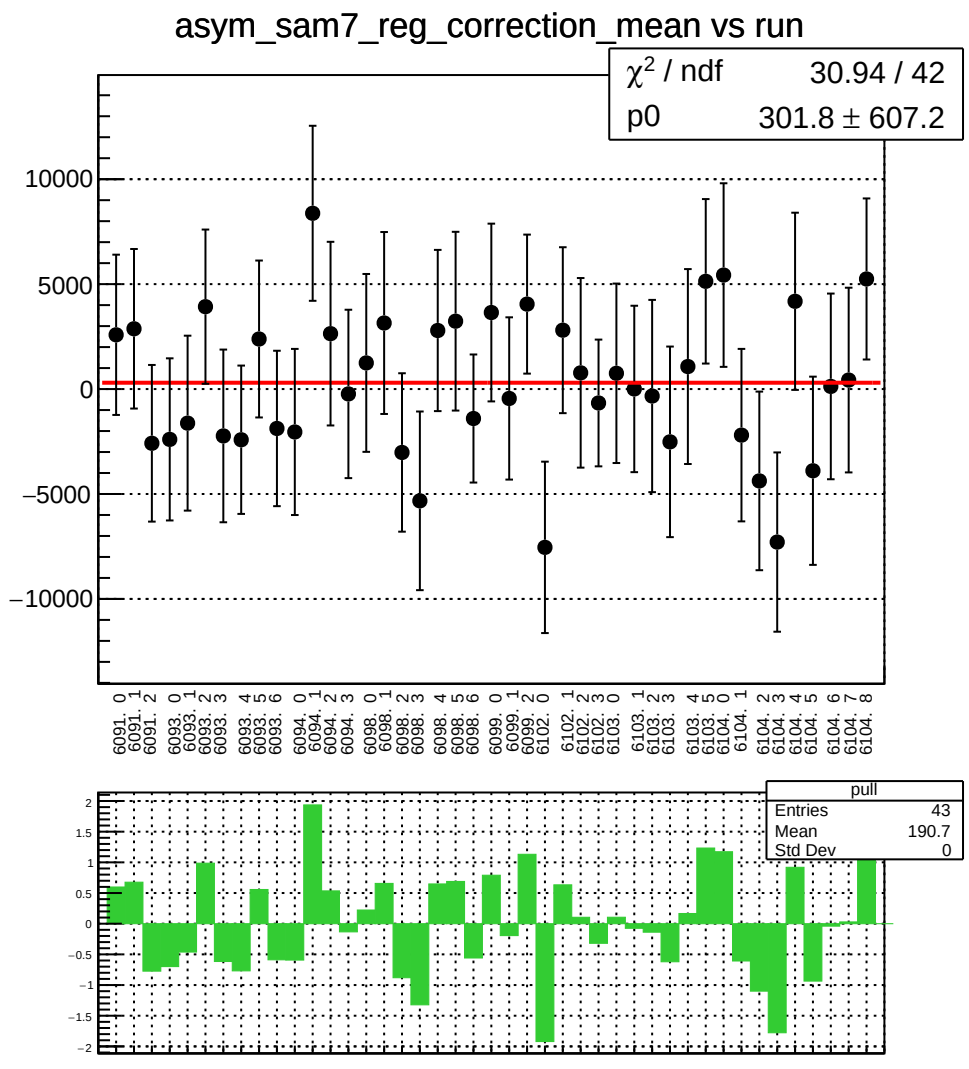

pull1D
Entries 43
Mean 0.006666
Std Dev 1.131

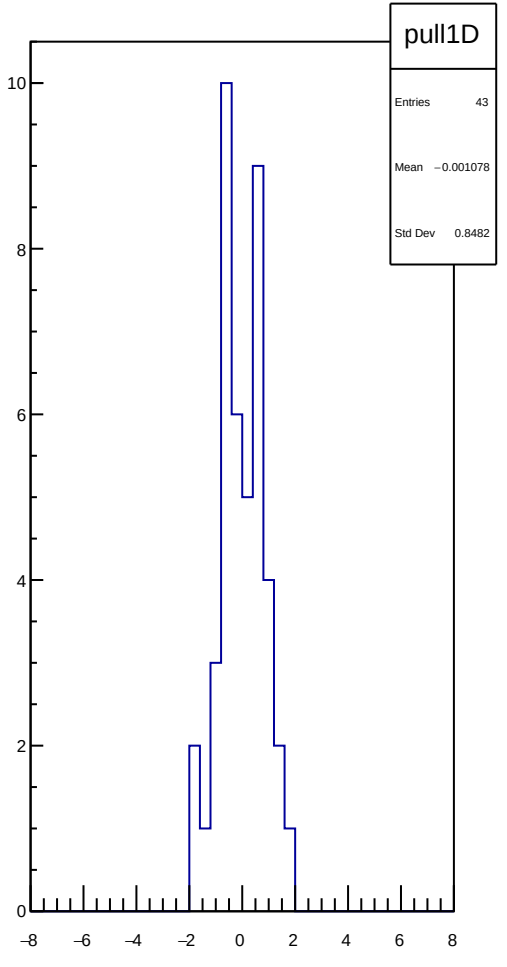

asym_sam6_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 2.202e+05 / 42
p0 2.853e−11 ± 3.661e−14
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

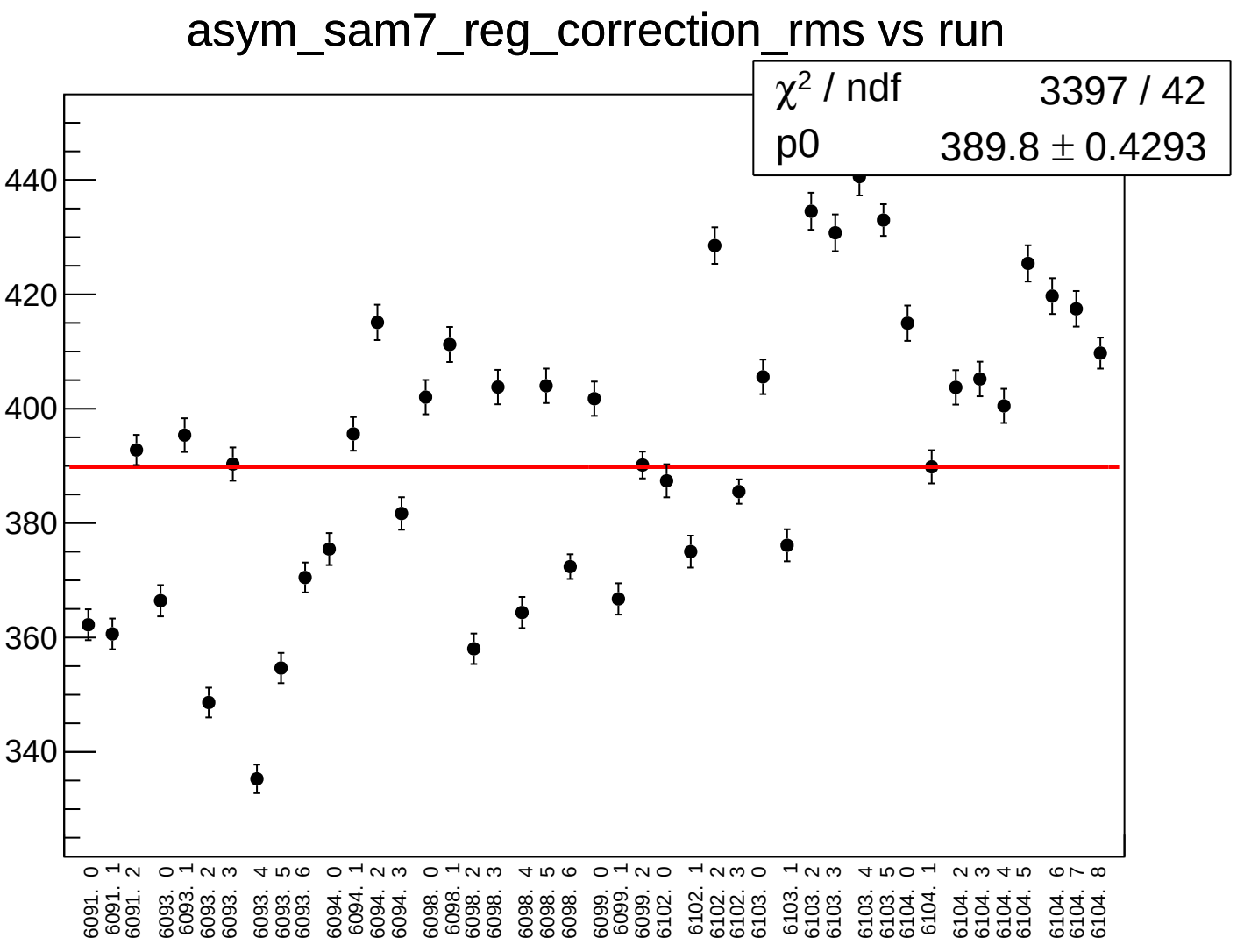

reg_asym_sam7_mean vs run
χ² / ndf 57.93 / 42
p0 −9.498 ± 102.3
2000
1000
0
−1000
−2000
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean −158.8
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

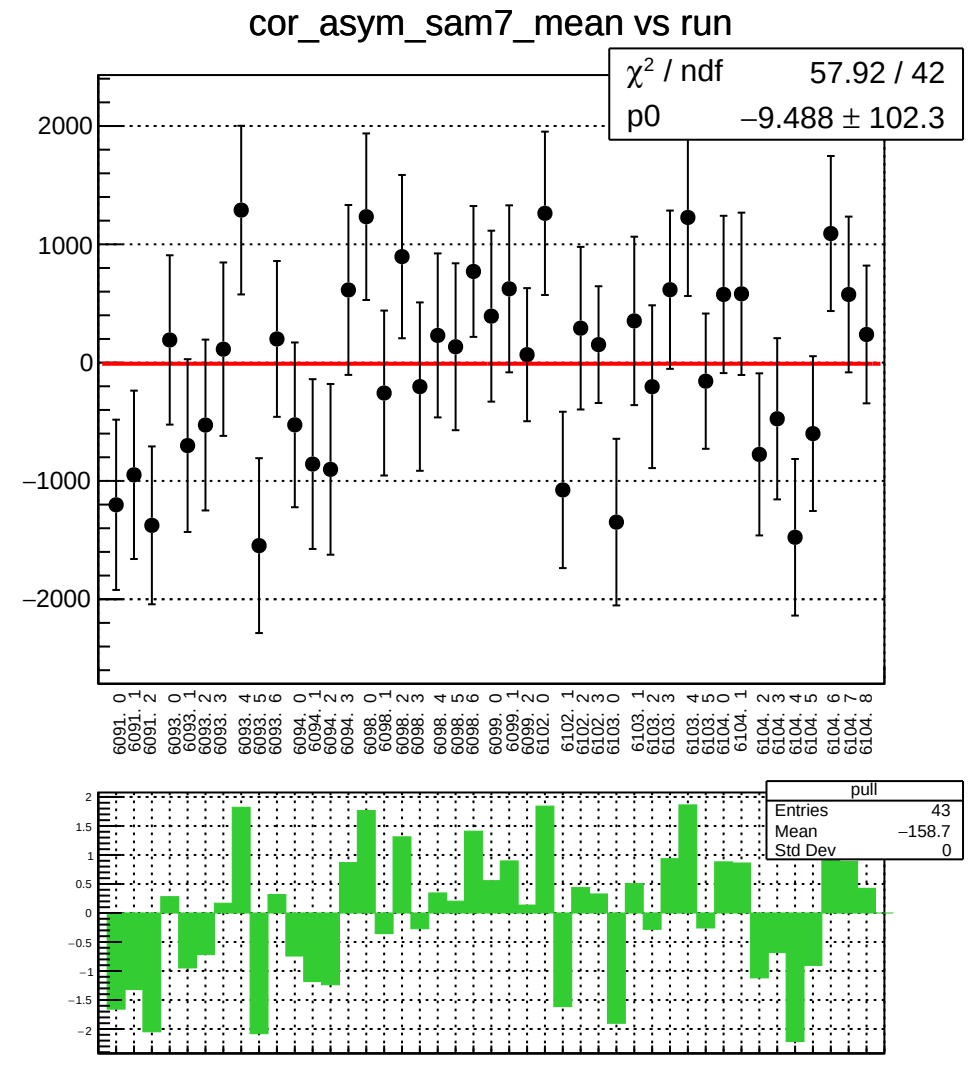

pull1D
Entries 43
Mean −0.01849
Std Dev 1.16
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

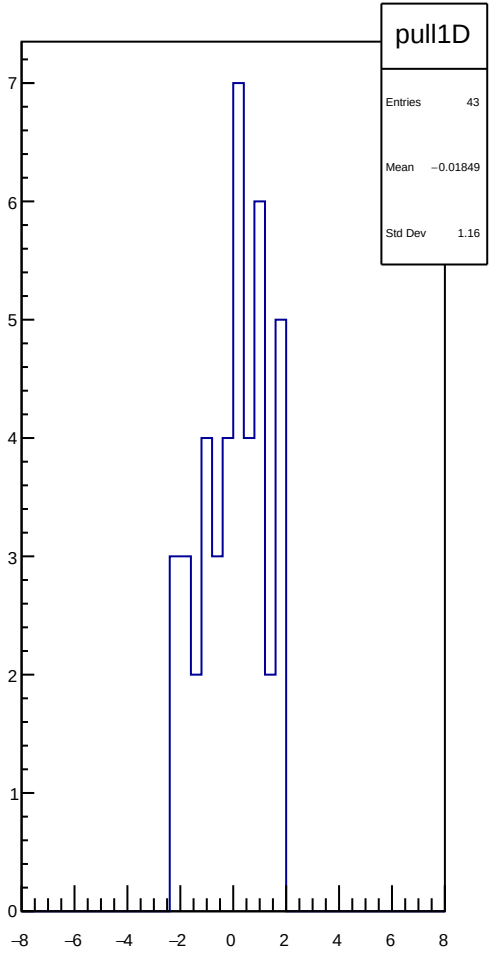

reg_asym_sam7_rms vs run
χ² / ndf 1068 / 42
p0 65.79 ± 0.07237
70
68
66
64
62
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

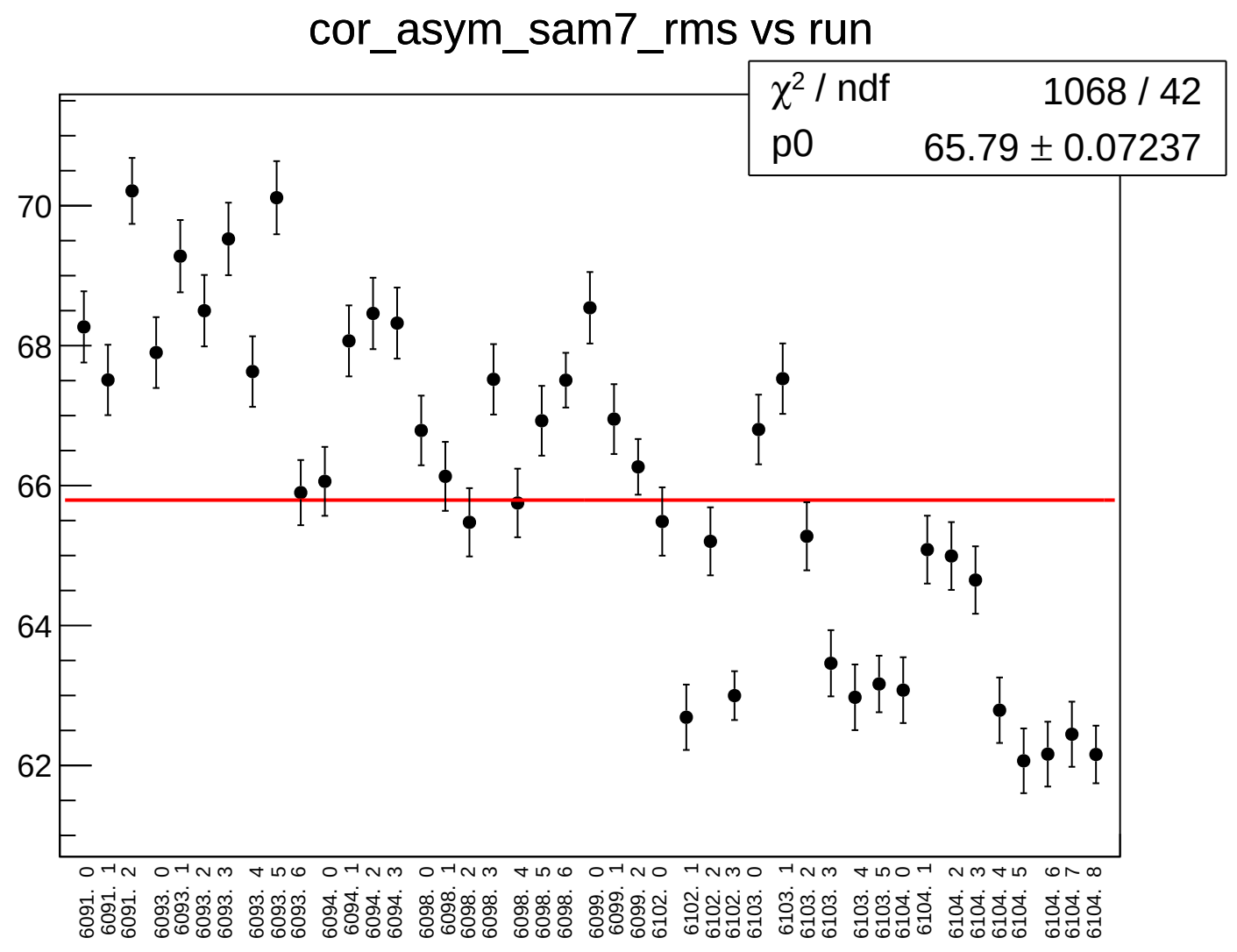

asym_sam7_reg_correction_mean vs run
χ² / ndf 30.94 / 42
p0 301.8 ± 607.2
10000
5000
0
−5000
−10000
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 190.7
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2


pull1D
Entries 43
Mean −0.001078
Std Dev 0.8482
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


asym_sam7_reg_correction_rms vs run
χ² / ndf 3397 / 42
p0 389.8 ± 0.4293
440
420
400
380
360
340
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8


cor_asym_sam7_mean vs run
χ² / ndf 57.92 / 42
p0 −9.488 ± 102.3
2000
1000
0
−1000
−2000
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean −158.7
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2


pull1D
Entries 43
Mean −0.01849
Std Dev 1.16
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


cor_asym_sam7_rms vs run
χ² / ndf 1068 / 42
p0 65.79 ± 0.07237
70
68
66
64
62
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
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6098. 0
6098. 1
6098. 2
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6098. 6
6099. 0
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6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
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6103. 2
6103. 3
6103. 4
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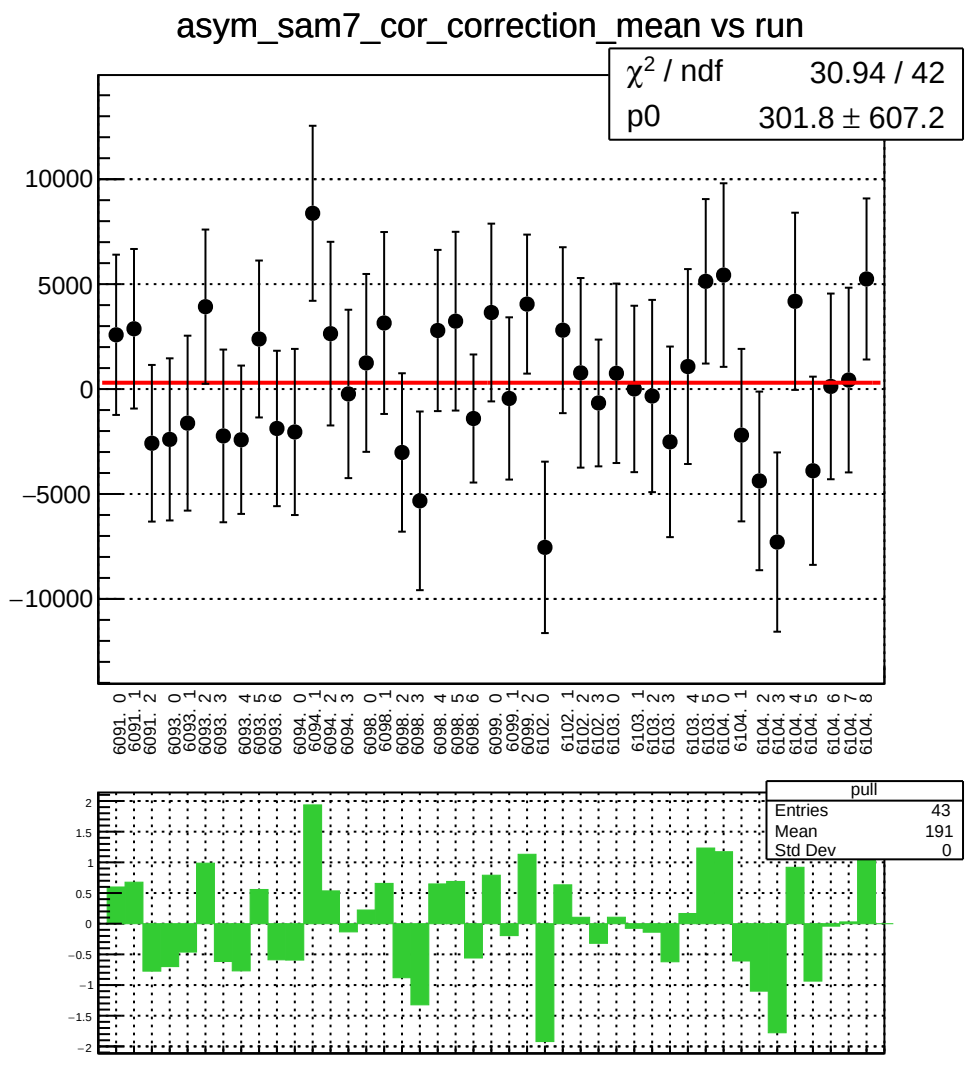
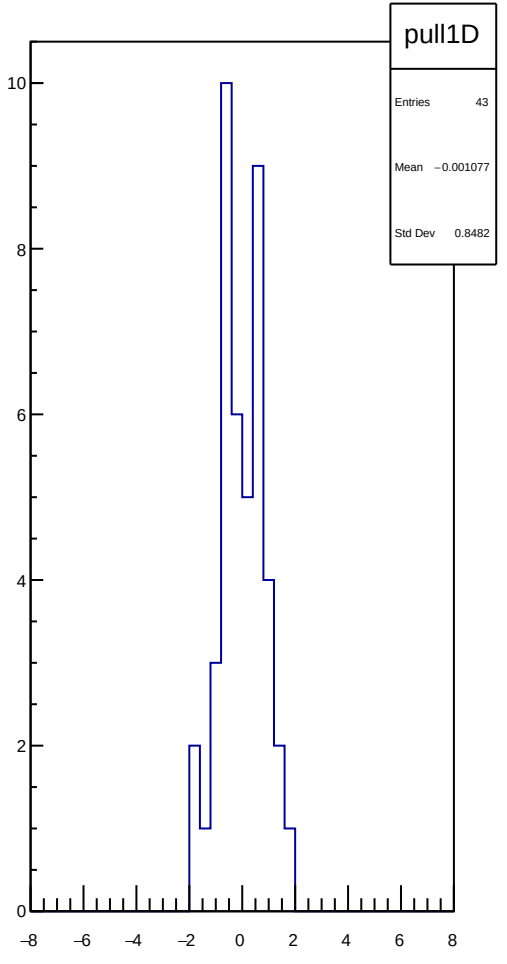
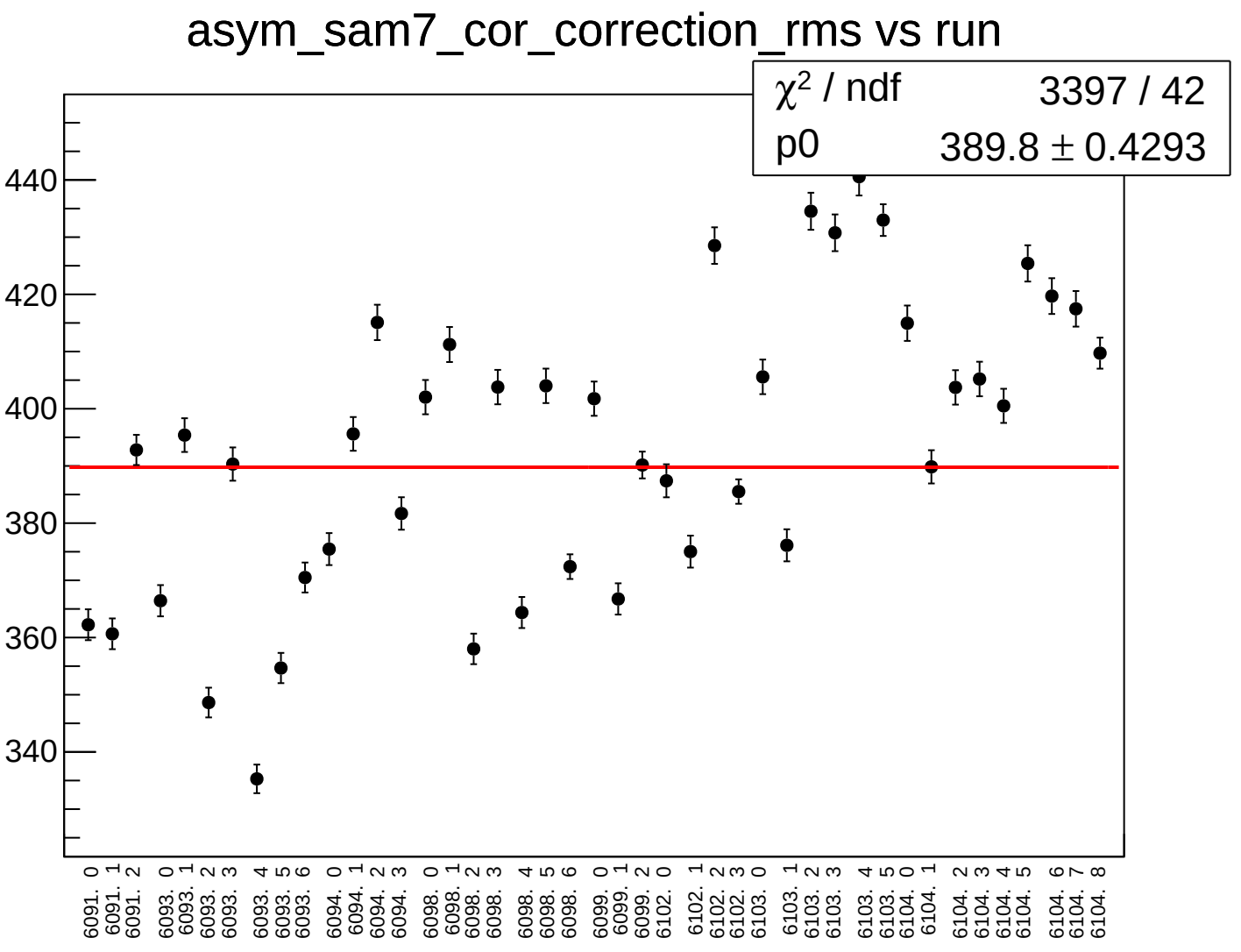
6104. 6
6104. 7
6104. 8


asym_sam7_cor_correction_mean vs run
χ² / ndf 30.94 / 42
p0 301.8 ± 607.2
10000
5000
0
−5000
−10000
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 191
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2


pull1D
Entries 43
Mean −0.001077
Std Dev 0.8482
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


asym_sam7_cor_correction_rms vs run
χ² / ndf 3397 / 42
p0 389.8 ± 0.4293
440
420
400
380
360
340
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
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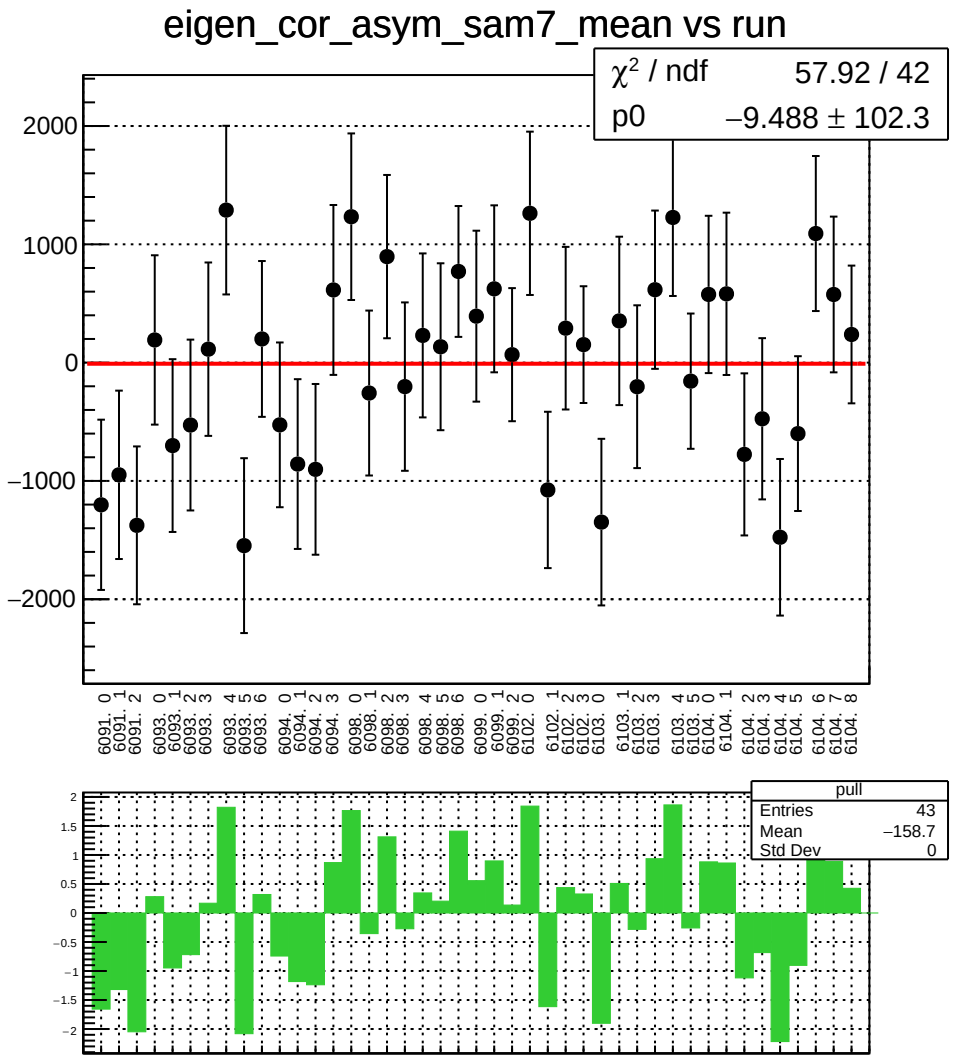
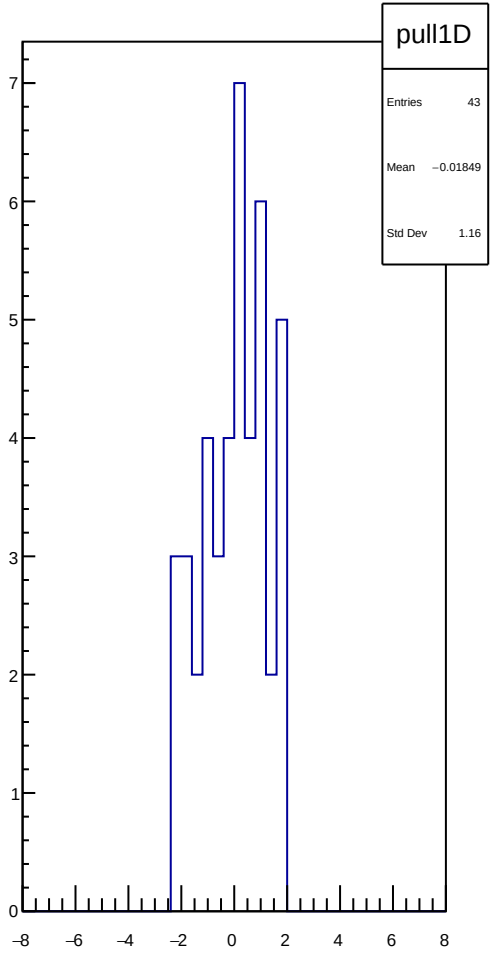
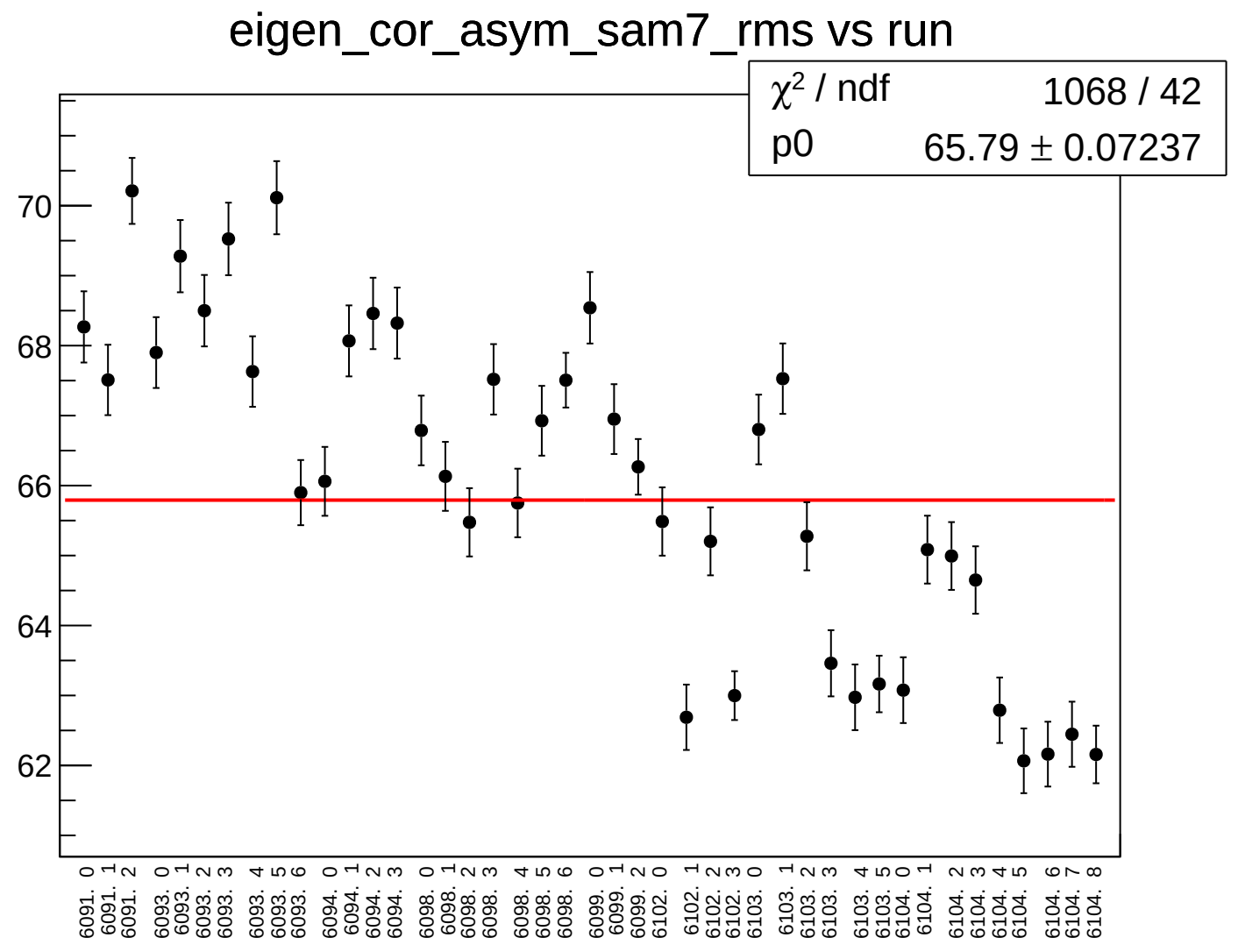
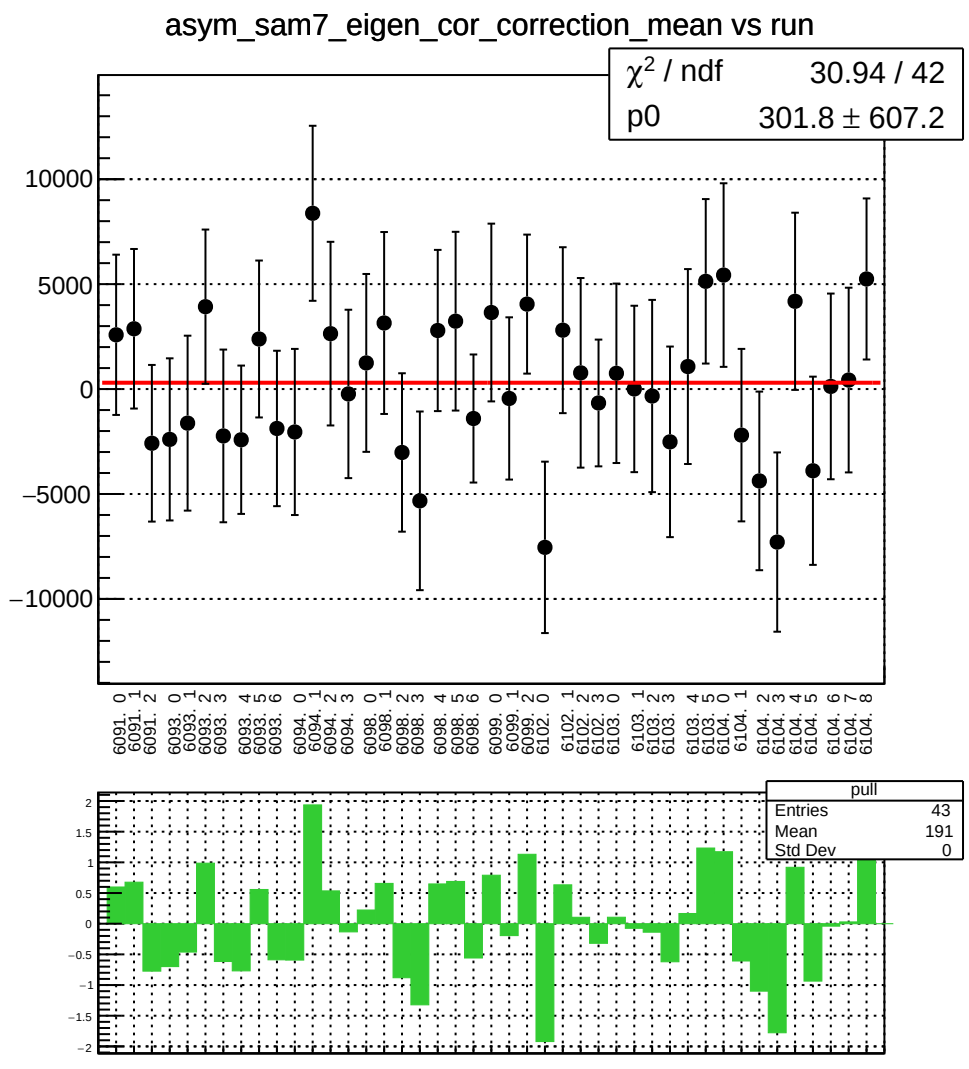
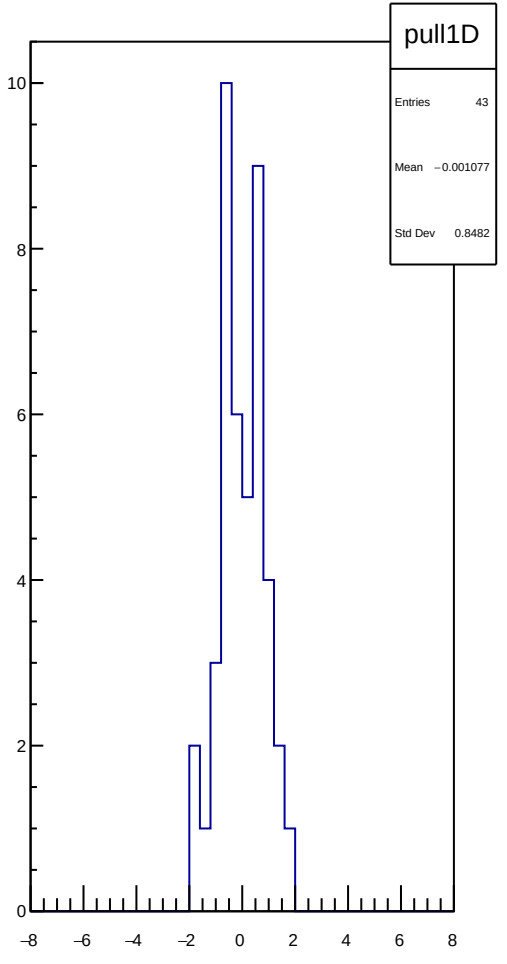
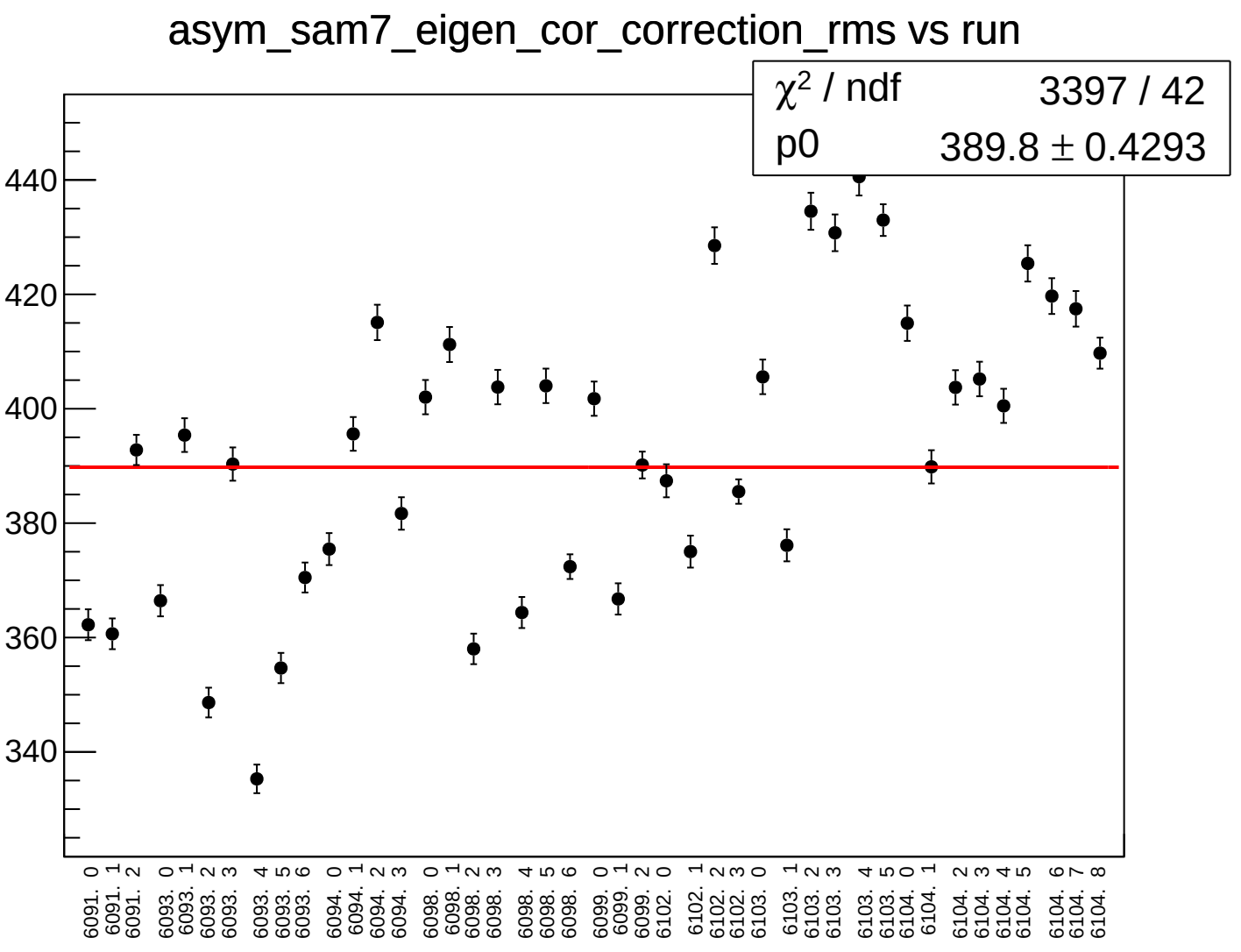

eigen_cor_asym_sam7_mean vs run
χ² / ndf 57.92 / 42
p0 −9.488 ± 102.3
2000
1000
0
−1000
−2000
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean −158.7
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

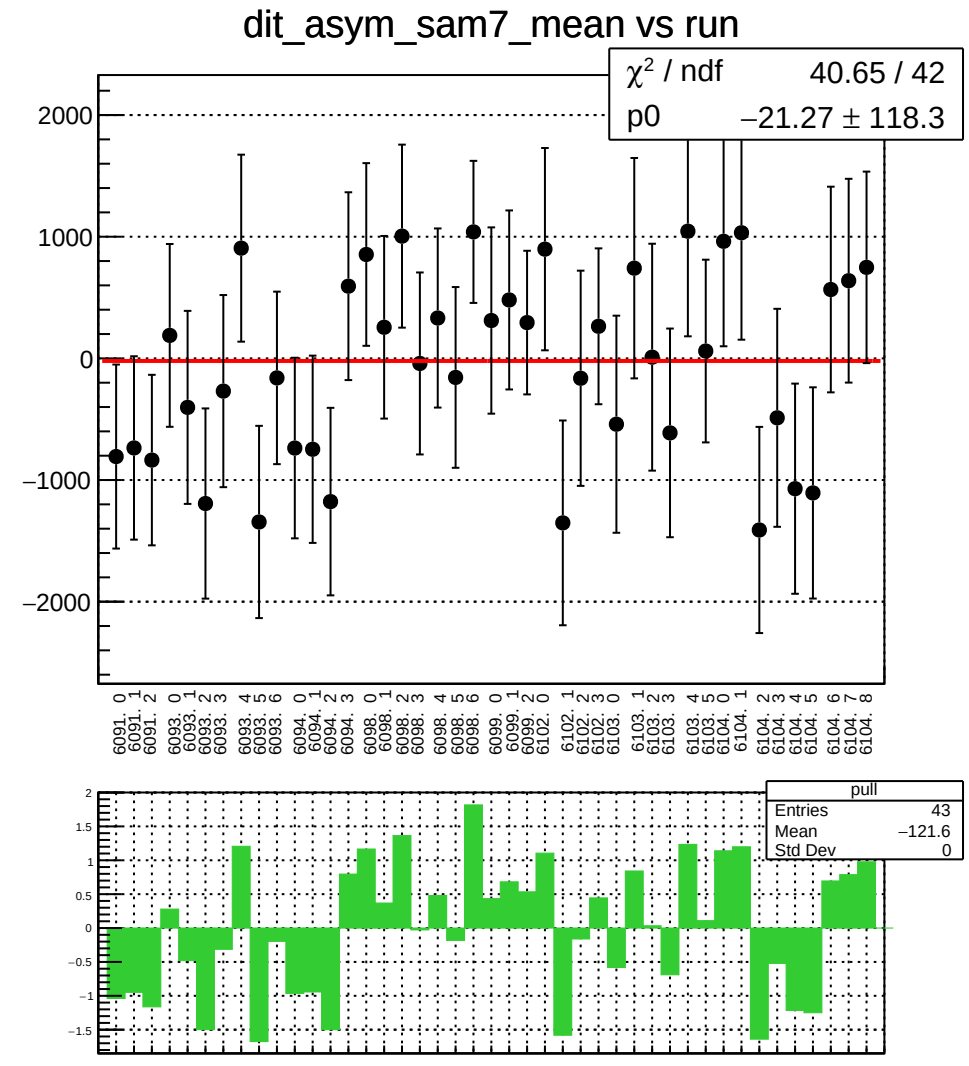

pull1D
Entries 43
Mean −0.01849
Std Dev 1.16
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

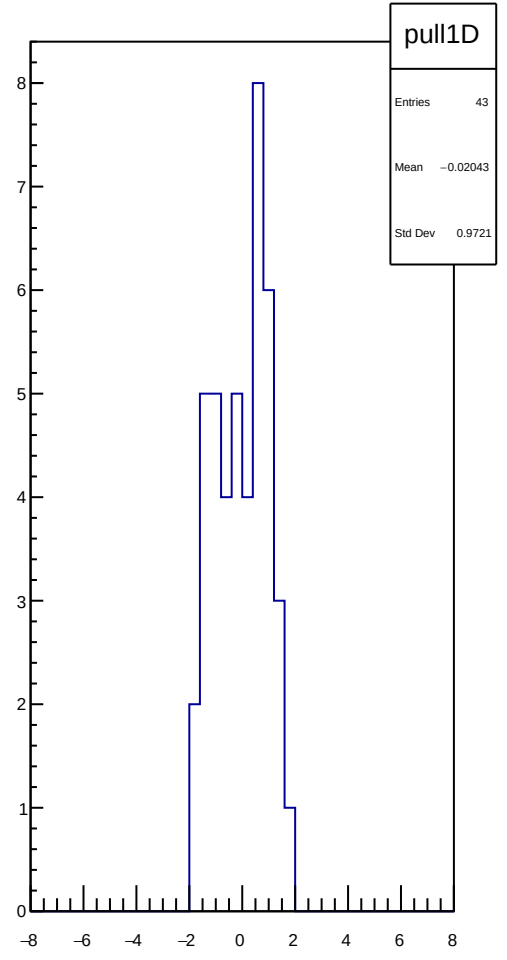

eigen_cor_asym_sam7_rms vs run
χ^2 / ndf 1068 / 42
p0 65.79 ± 0.07237
70
68
66
64
62
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

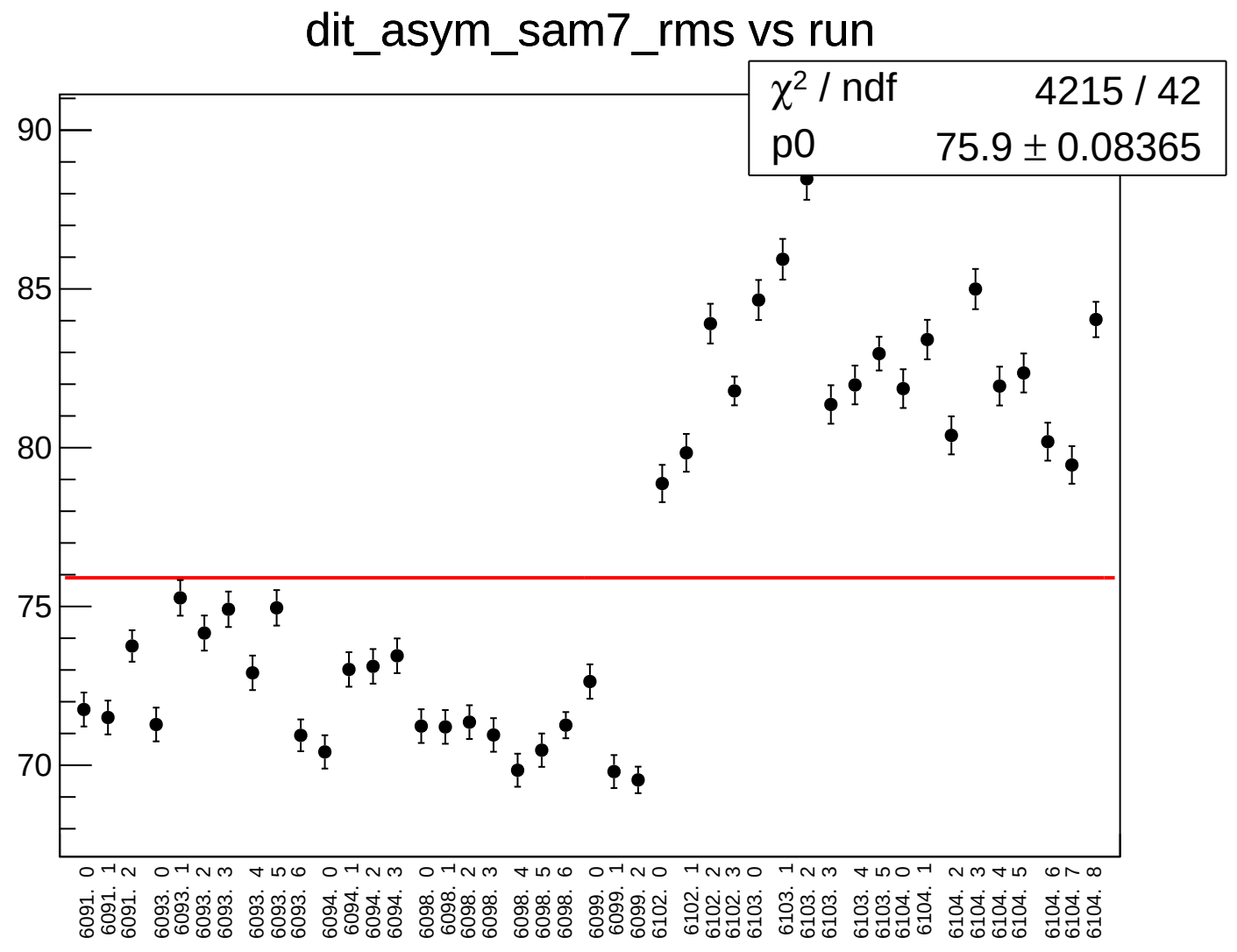

asym_sam7_eigen_cor_correction_mean vs run
χ² / ndf 30.94 / 42
p0 301.8 ± 607.2
10000
5000
0
−5000
−10000
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 191
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

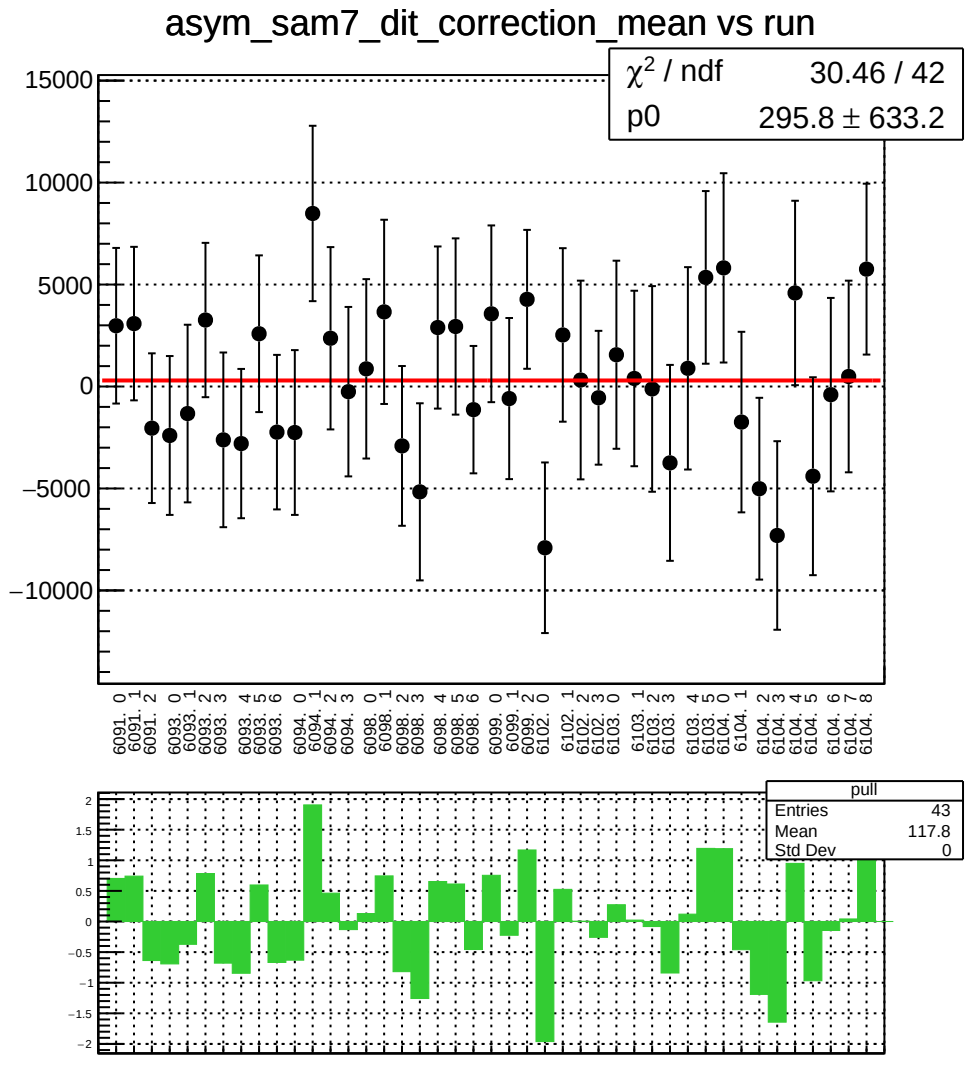

pull1D
Entries 43
Mean −0.001077
Std Dev 0.8482
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

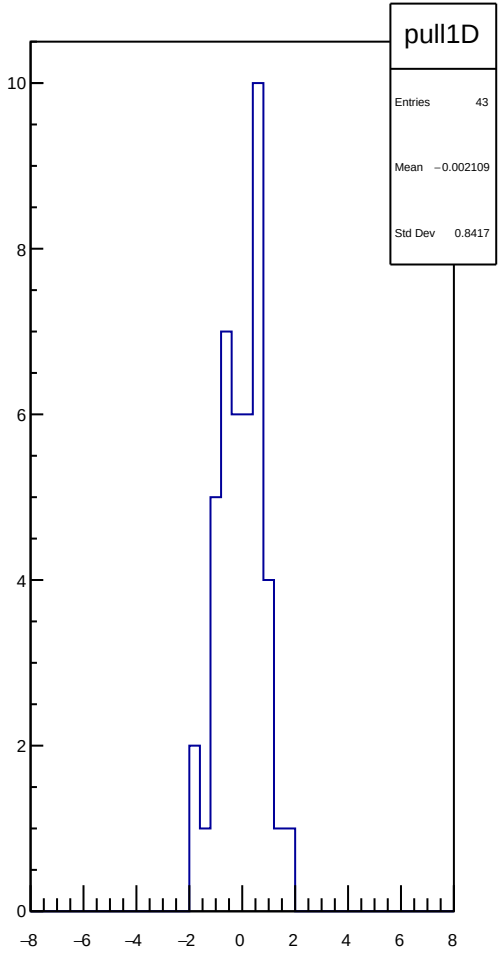

asym_sam7_eigen_cor_correction_rms vs run
χ² / ndf 3397 / 42
p0 389.8 ± 0.4293
440
420
400
380
360
340
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

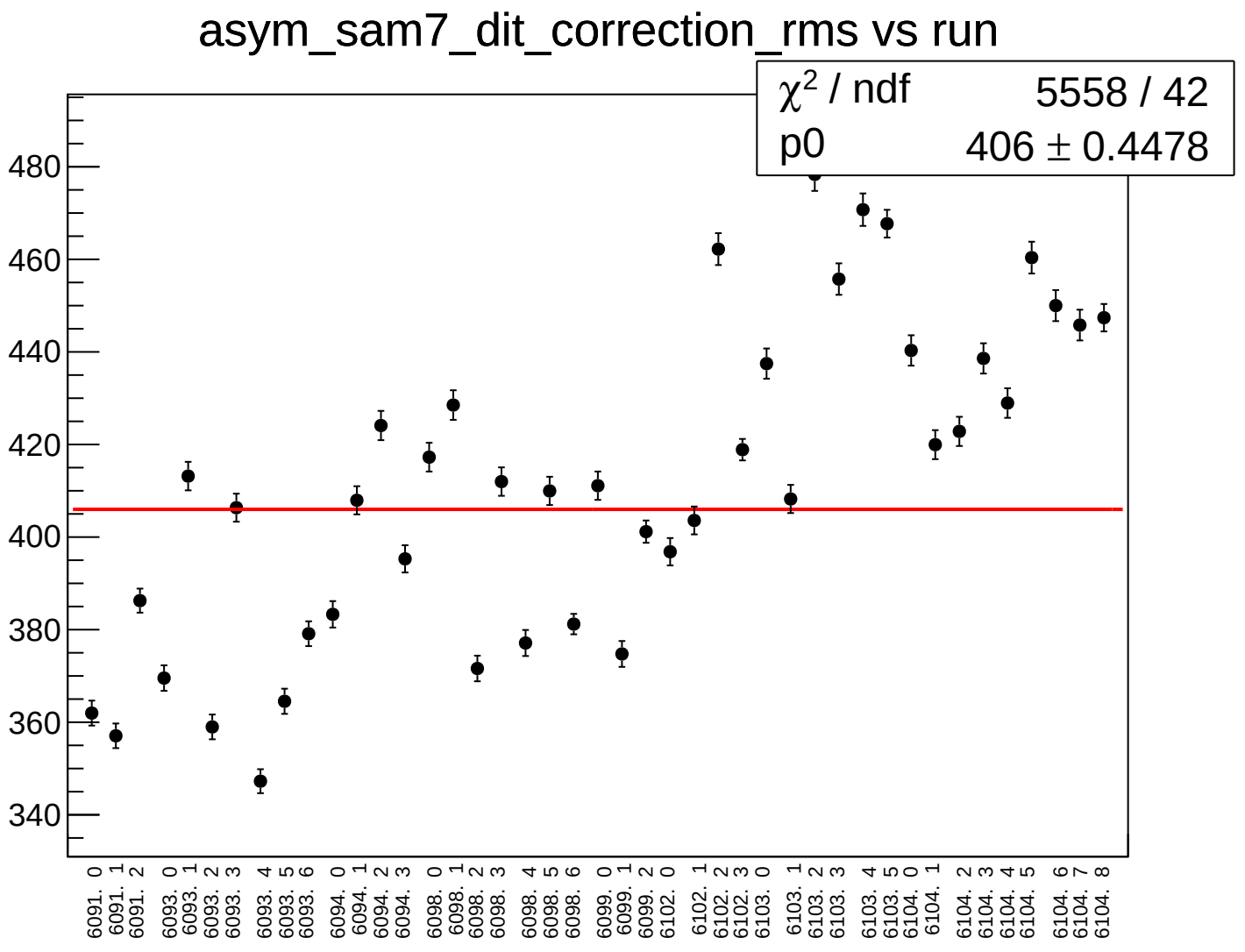

dit_asym_sam7_mean vs run
χ² / ndf 40.65 / 42
p0 −21.27 ± 118.3
2000
1000
0
−1000
−2000
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean −121.6
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5

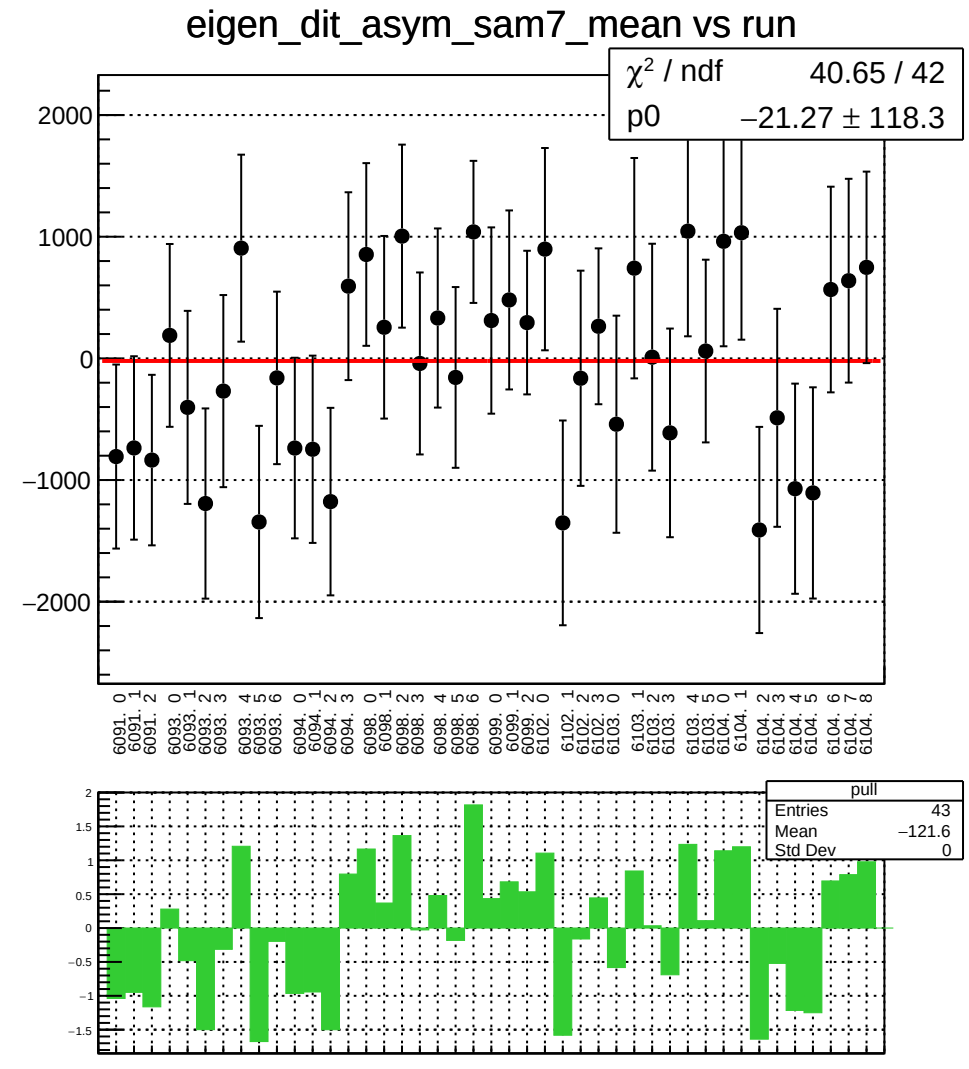

pull1D
Entries 43
Mean −0.02043
Std Dev 0.9721
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

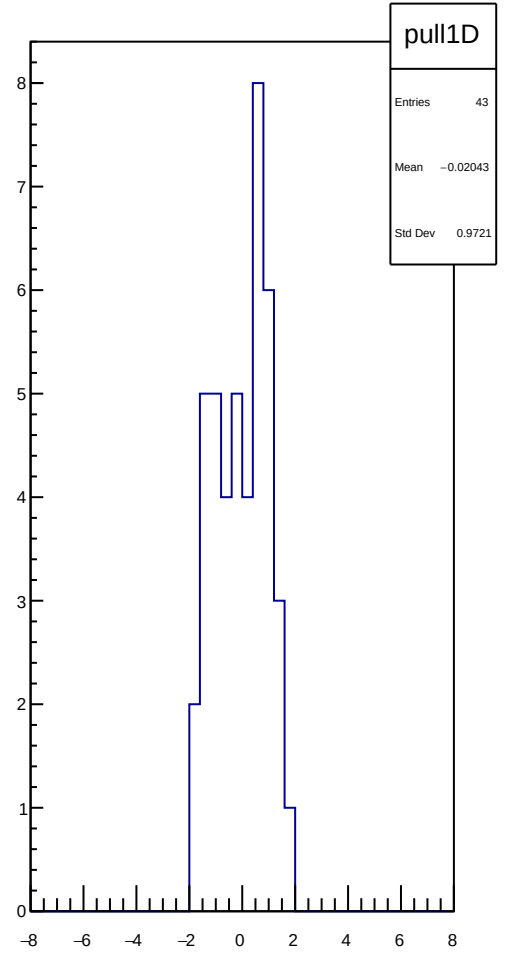

dit_asym_sam7_rms vs run
χ² / ndf 4215 / 42
p0 75.9 ± 0.08365
90
85
80
75
70
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

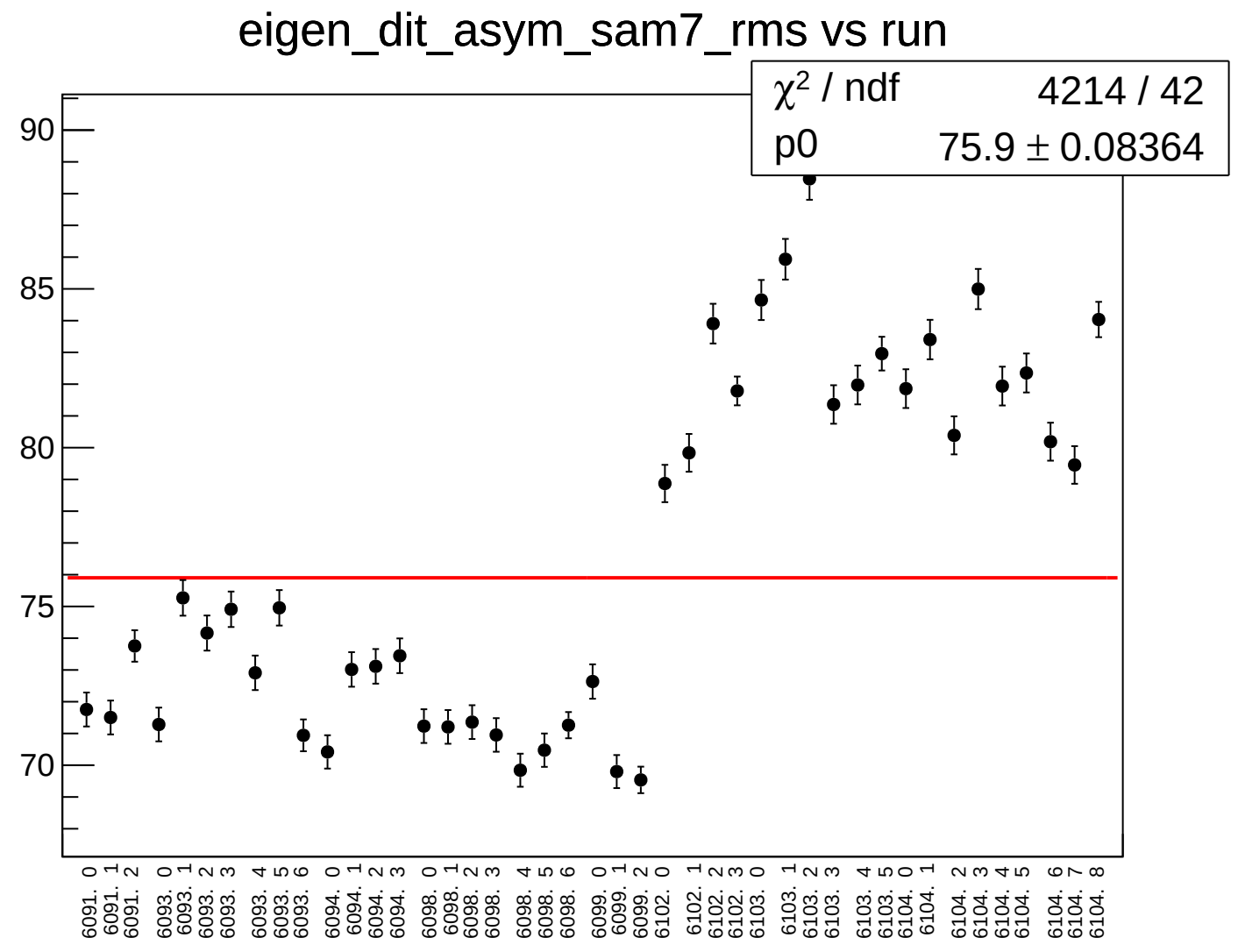

asym_sam7_dit_correction_mean vs run
χ² / ndf 30.46 / 42
p0 295.8 ± 633.2
15000
10000
5000
0
−5000
−10000
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 117.8
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

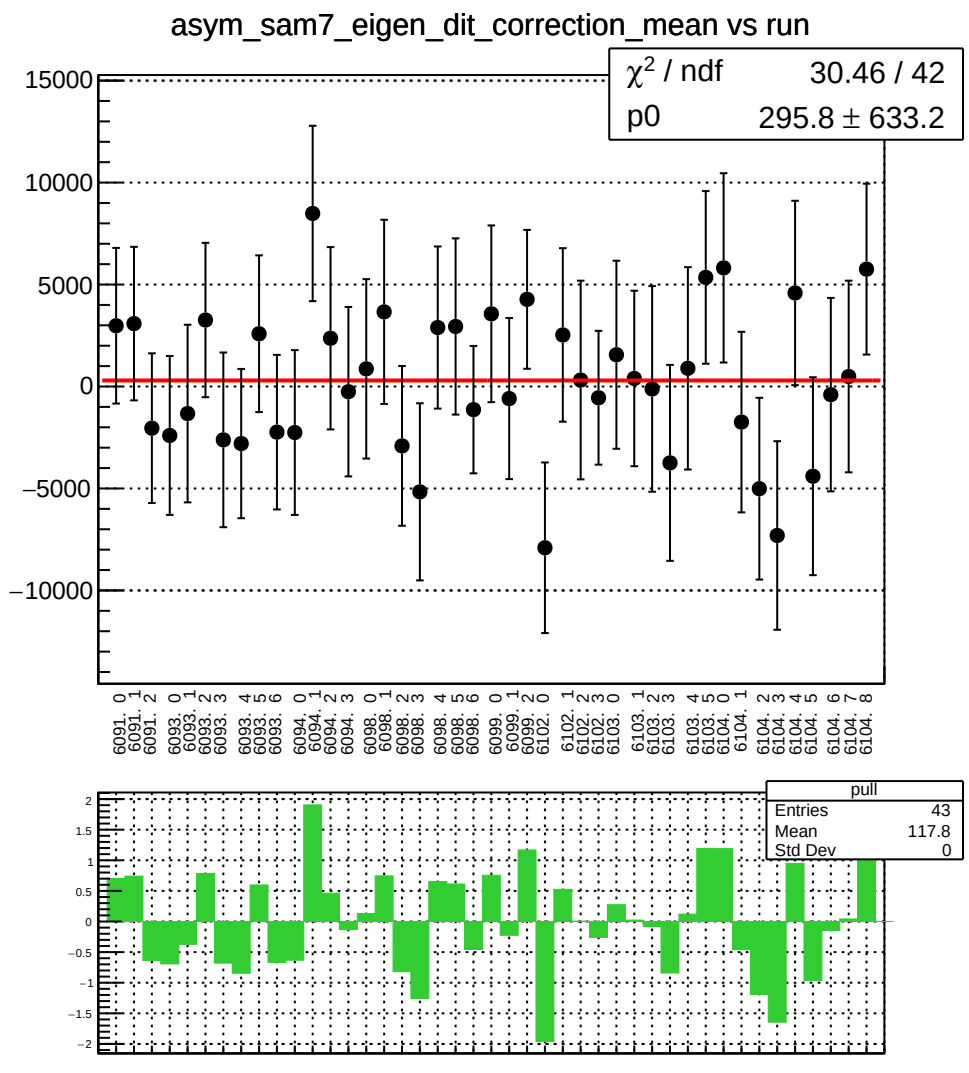

pull1D
Entries 43
Mean −0.002109
Std Dev 0.8417
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

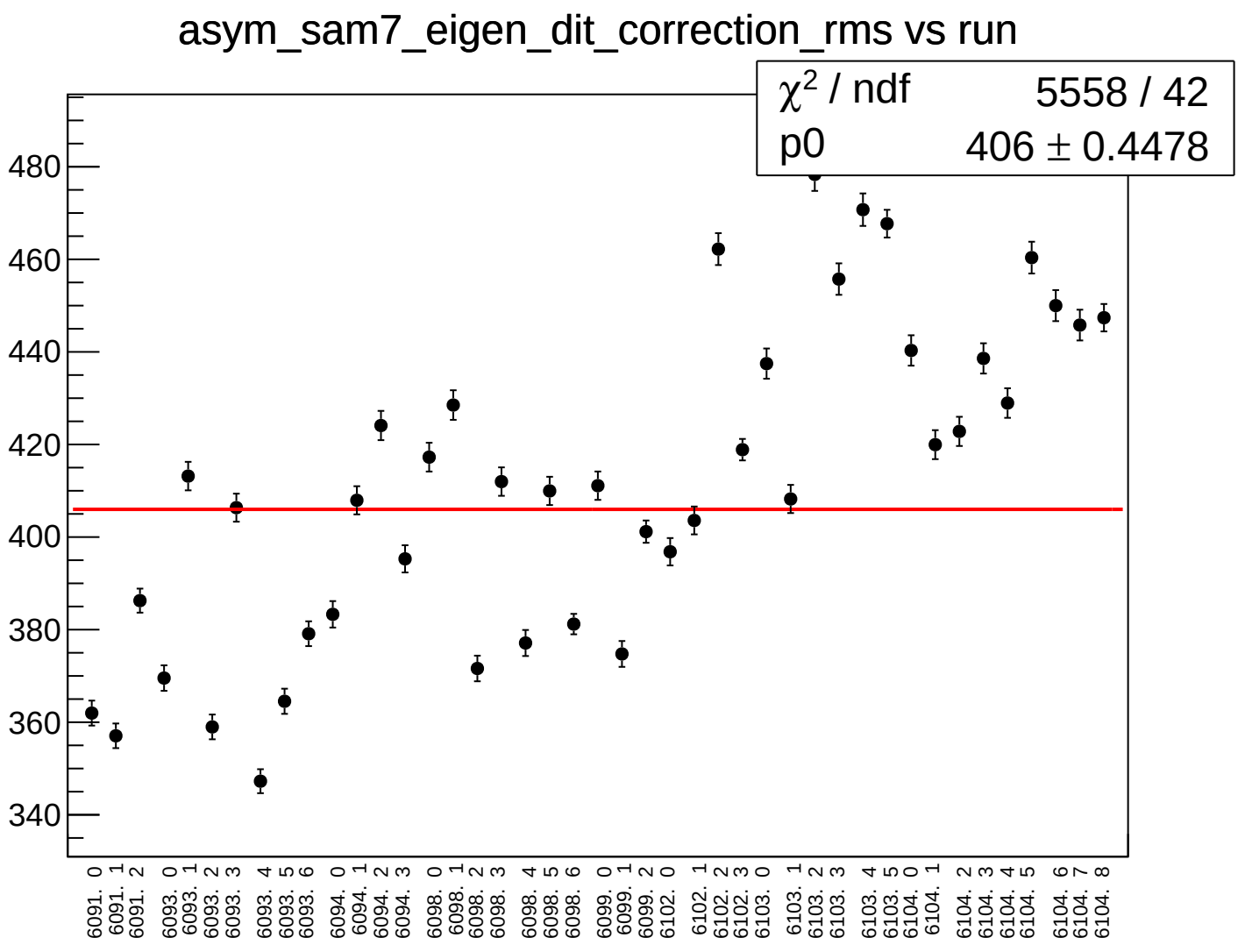

asym_sam7_dit_correction_rms vs run
χ² / ndf 5558 / 42
p0 406 ± 0.4478
480
460
440
420
400
380
360
340
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8


eigen_dit_asym_sam7_mean vs run
χ² / ndf 40.65 / 42
p0 −21.27 ± 118.3
2000
1000
0
−1000
−2000
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean −121.6
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5


pull1D
Entries 43
Mean −0.02043
Std Dev 0.9721
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
χ² / ndf 4214 / 42
p0 75.9 ± 0.08364
90
85
80
75
70
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8


asym_sam7_eigen_dit_correction_mean vs run
χ² / ndf 30.46 / 42
p0 295.8 ± 633.2
15000
10000
5000
0
−5000
−10000
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 117.8
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 43
Mean −0.002108
Std Dev 0.8417
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


asym_sam7_eigen_dit_correction_rms vs run
χ² / ndf 5558 / 42
p0 406 ± 0.4478
480
460
440
420
400
380
360
340
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
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6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
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6104. 5
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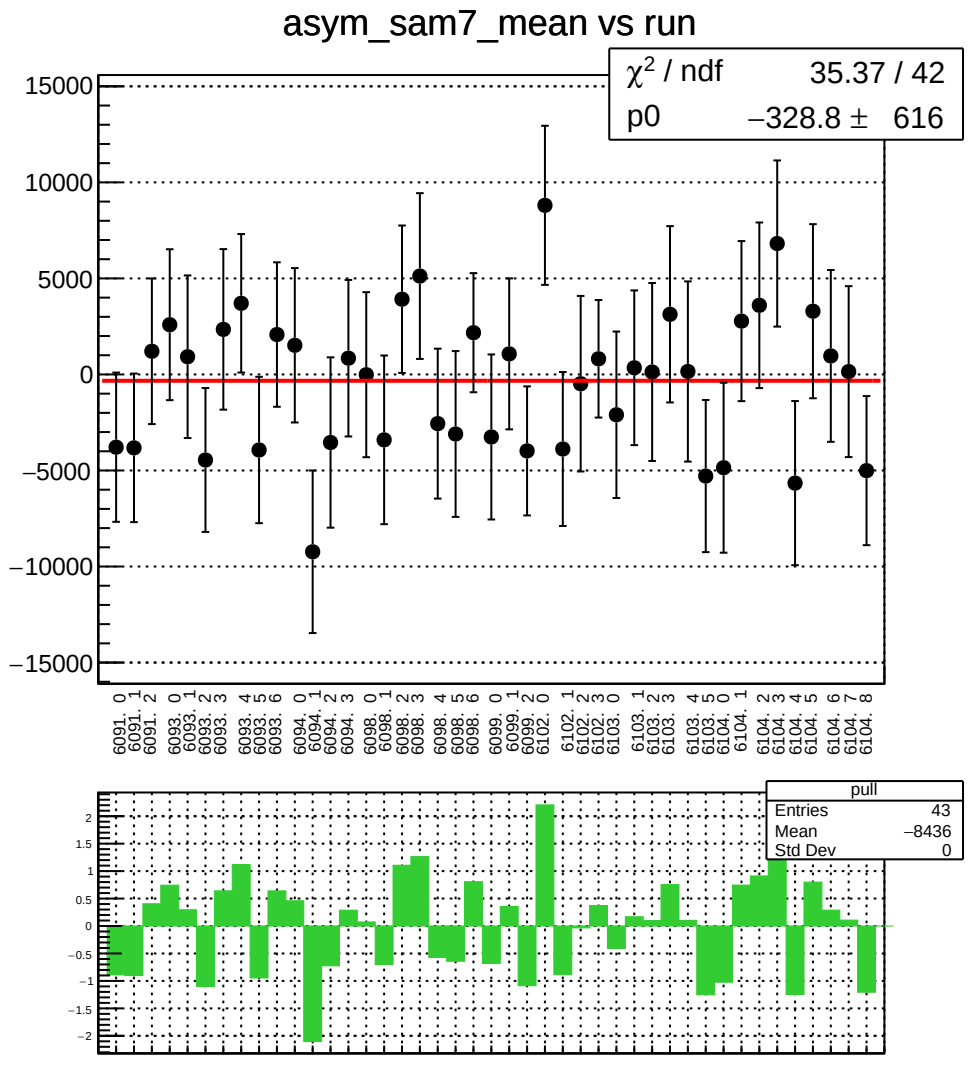
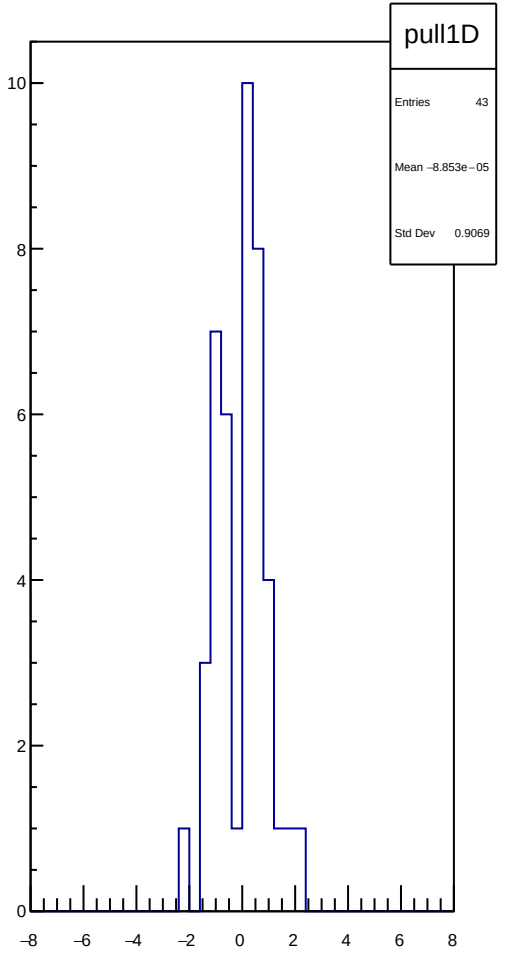
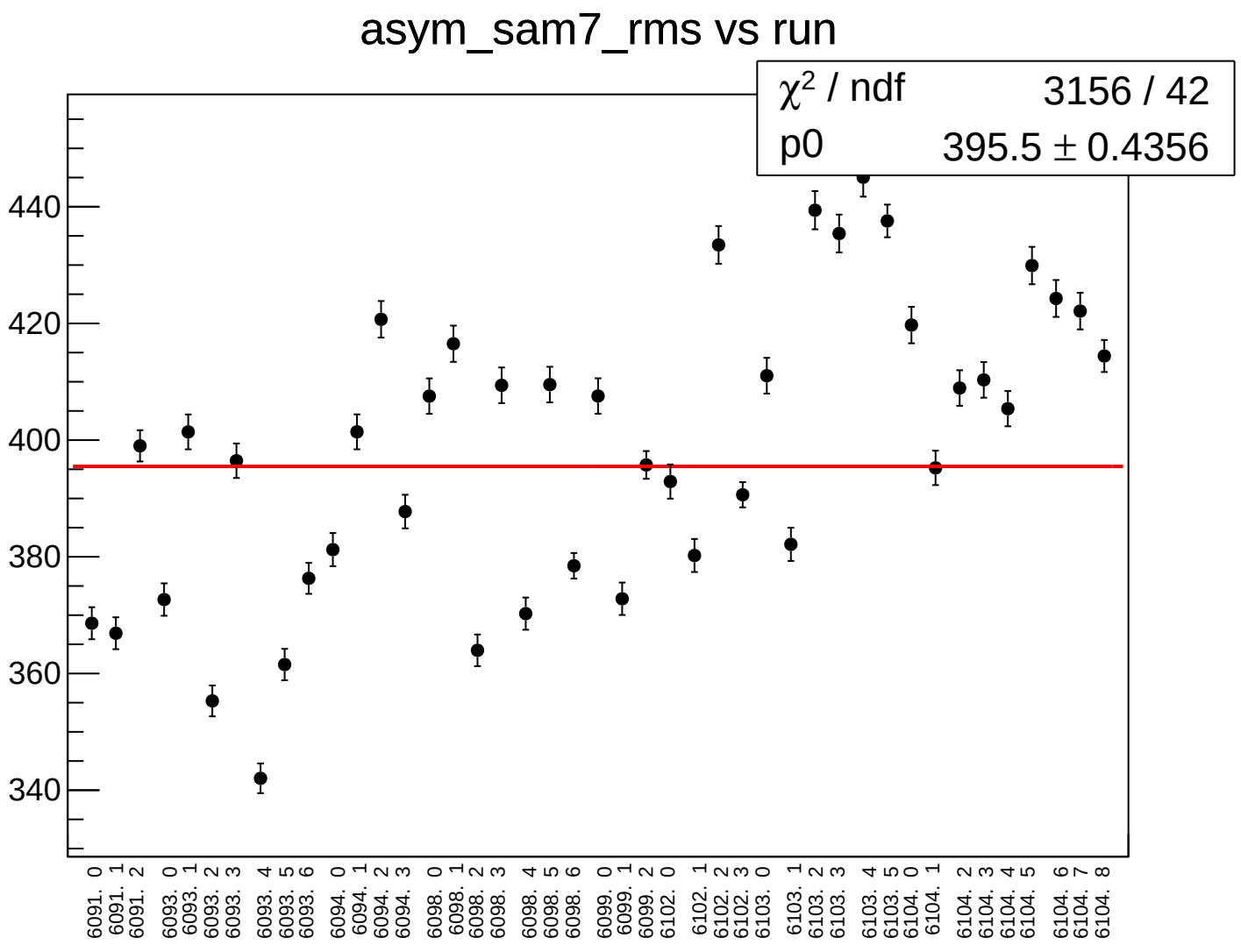
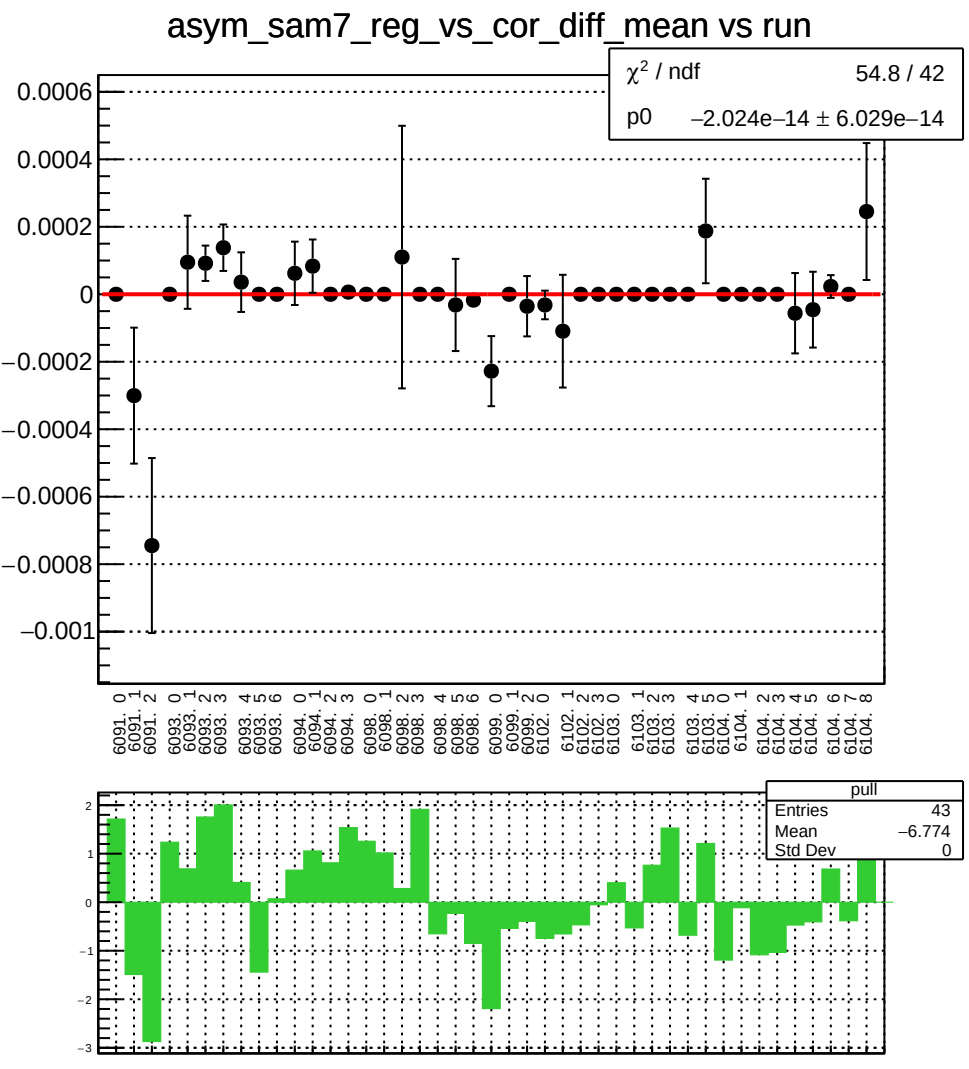
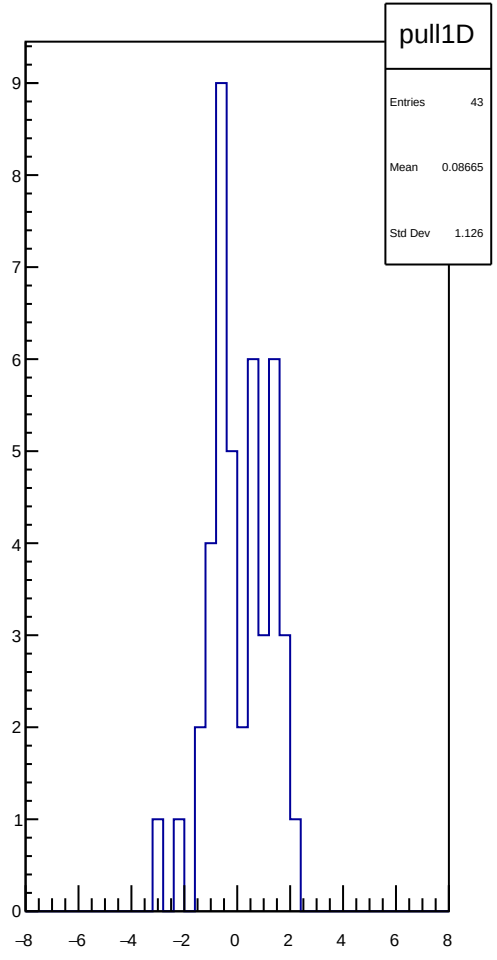
6104. 7
6104. 8

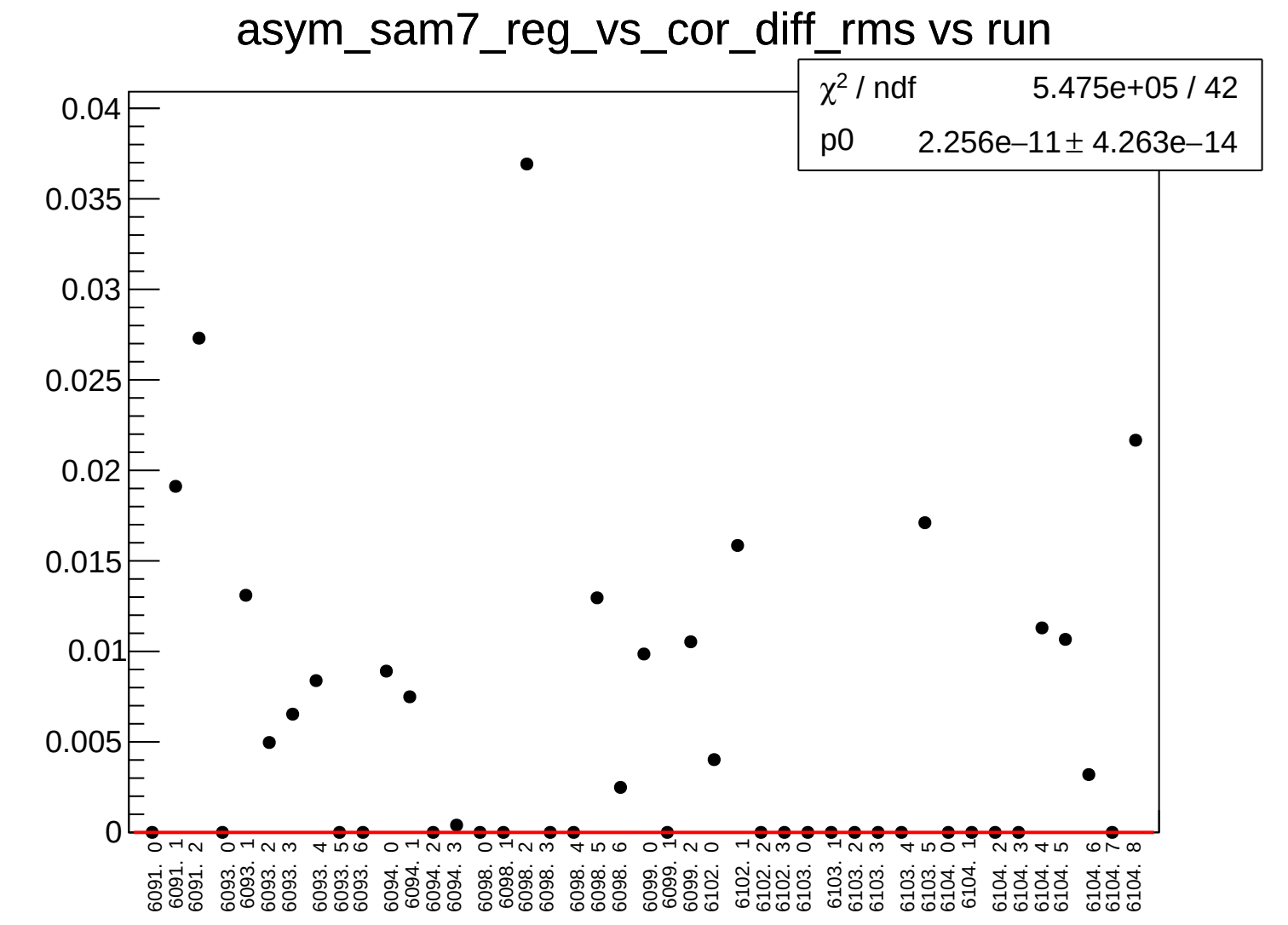

asym_sam7_mean vs run
χ² / ndf 35.37 / 42
p0 −328.8 ± 616
15000
10000
5000
0
−5000
−10000
−15000
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean −8436
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

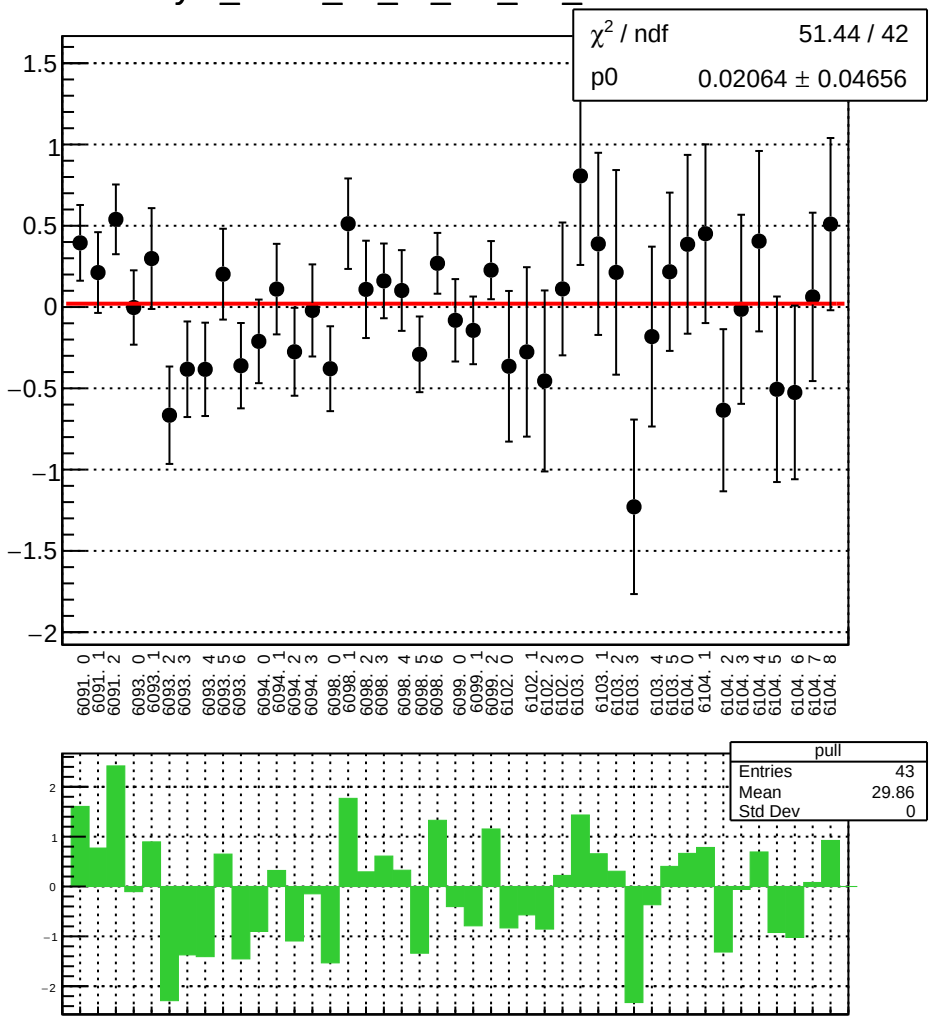

pull1D
Entries 43
Mean −8.853e−05
Std Dev 0.9069
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

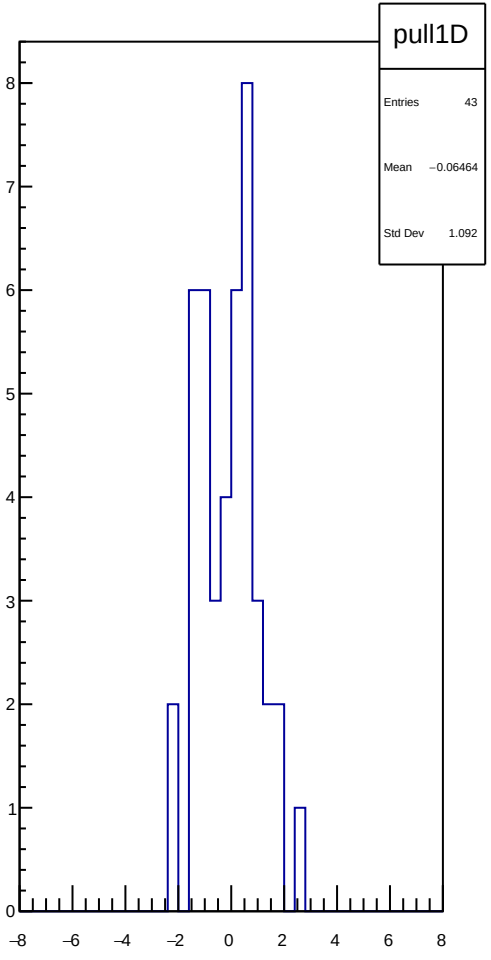

asym_sam7_rms vs run
χ² / ndf 3156 / 42
p0 395.5 ± 0.4356
440
420
400
380
360
340
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

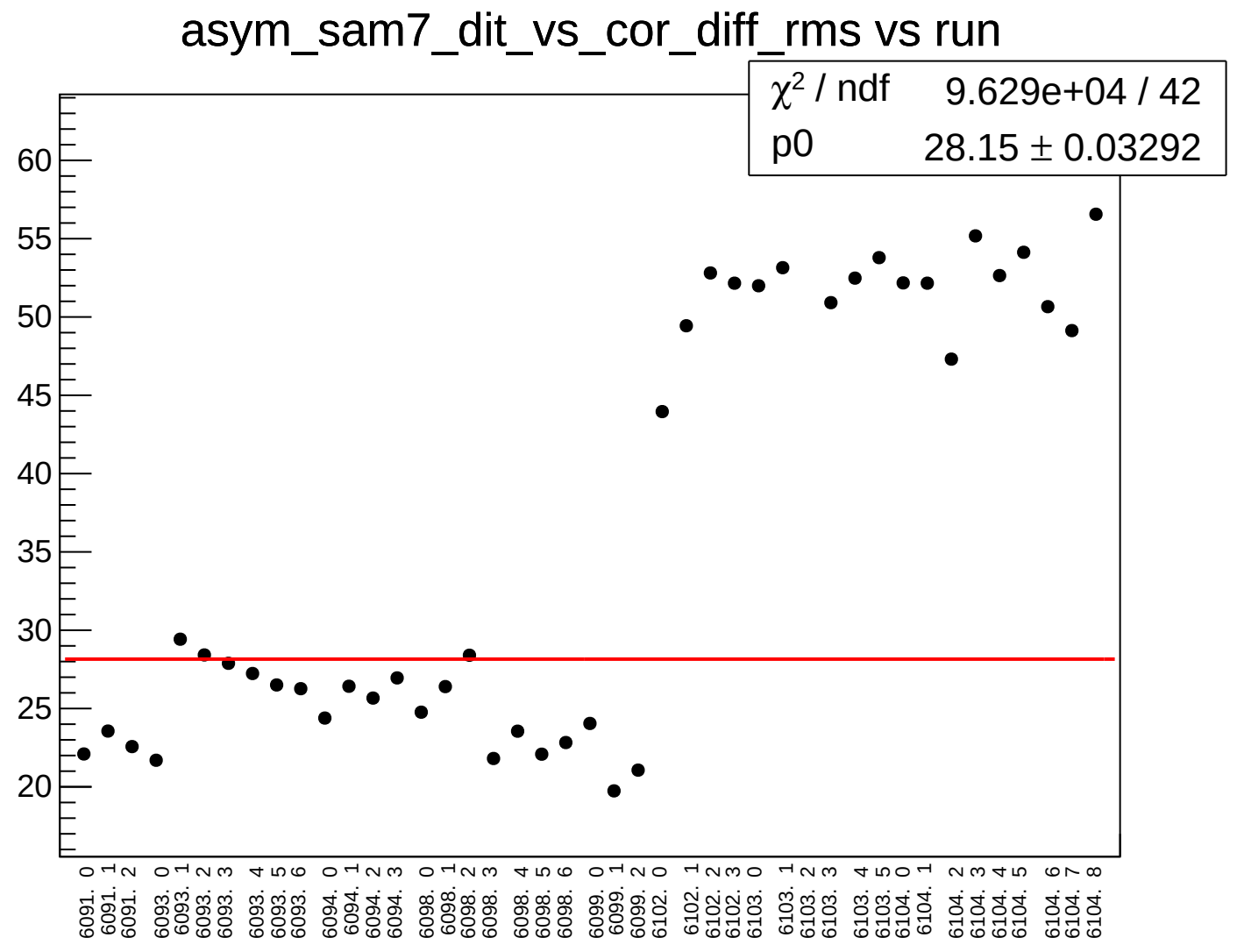

asym_sam7_reg_vs_cor_diff_mean vs run
χ² / ndf 54.8 / 42
p0 −2.024e−14 ± 6.029e−14
0.0006
0.0004
0.0002
0
−0.0002
−0.0004
−0.0006
−0.0008
−0.001
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean −6.774
Std Dev 0
2
1
0
−1
−2
−3

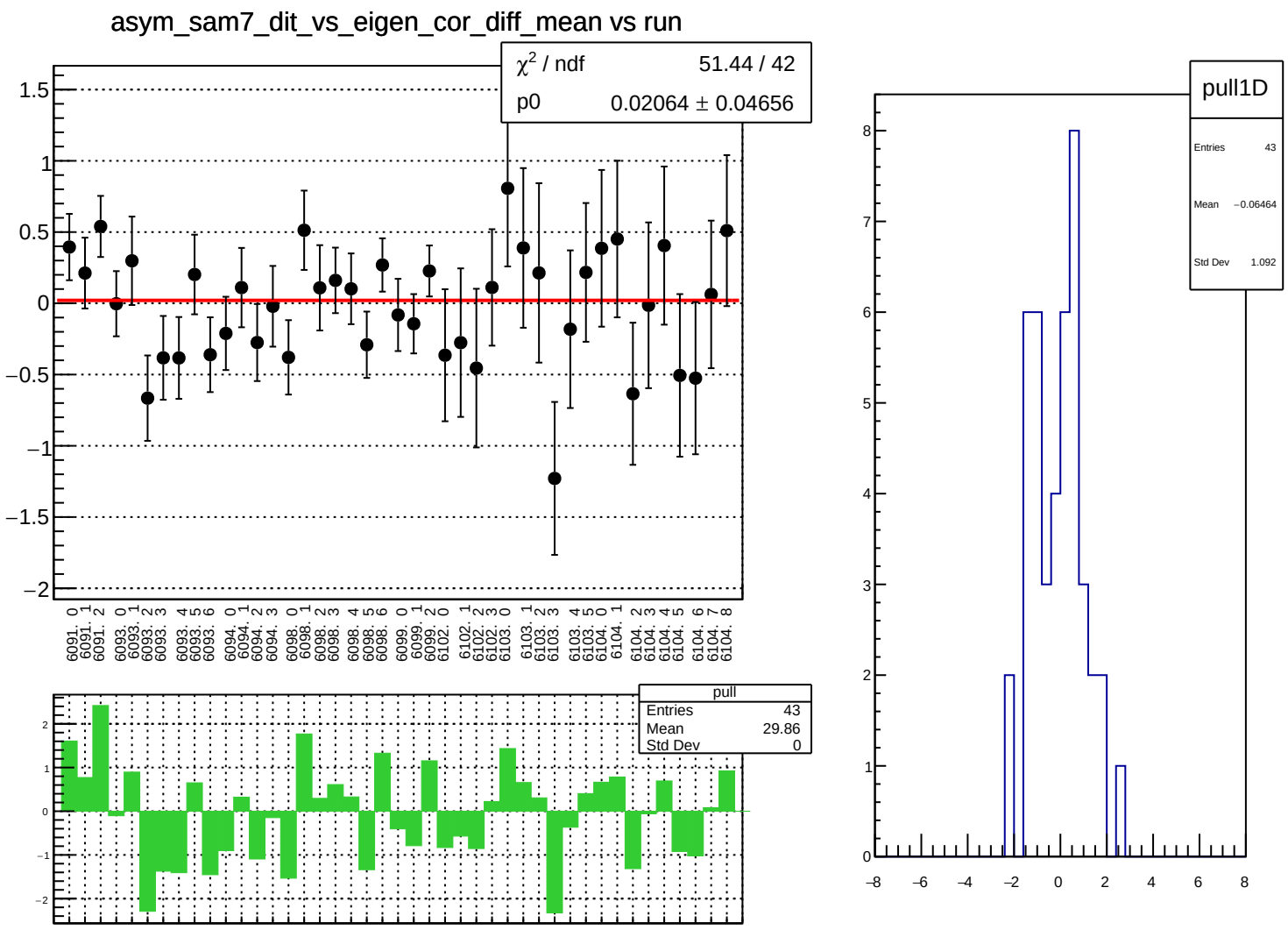

pull1D
Entries 43
Mean 0.08665
Std Dev 1.126
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

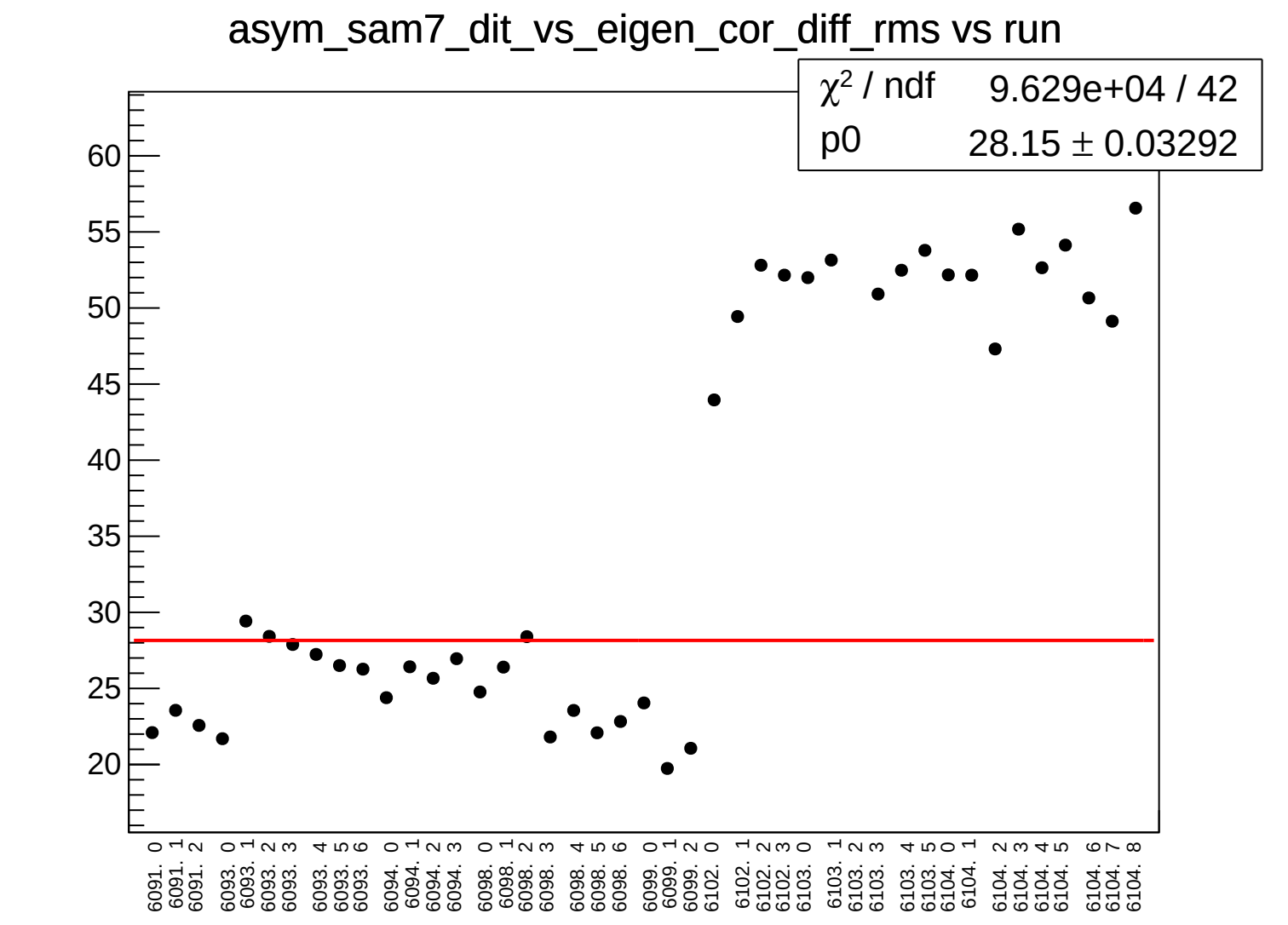

asym_sam7_reg_vs_cor_diff_rms vs run
χ² / ndf 5.475e+05 / 42
p0 2.256e−11 ± 4.263e−14
0.04
0.035
0.03
0.025
0.02
0.015
0.01
0.005
0
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

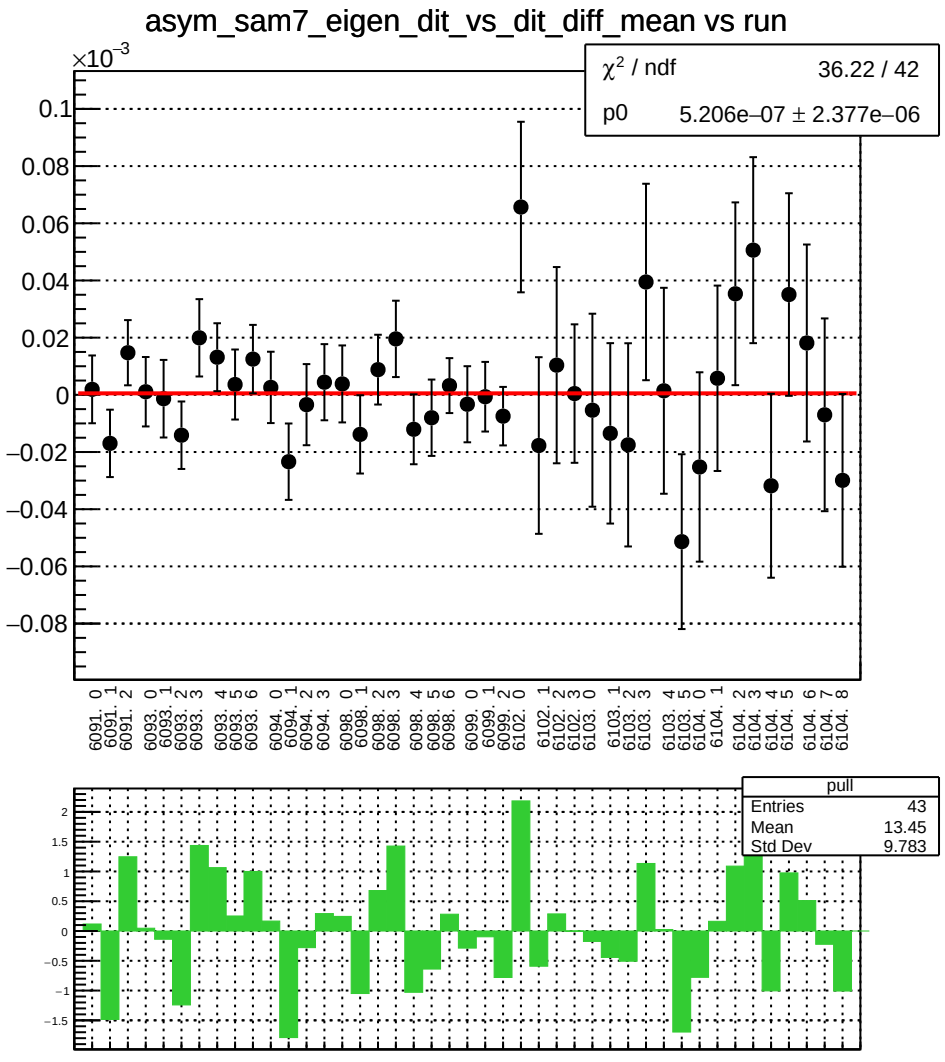

asym_sam7_dit_vs_cor_diff_mean vs run
χ² / ndf 51.44 / 42
p0 0.02064 ± 0.04656
pull
Entries 43
Mean 29.86
Std Dev 0

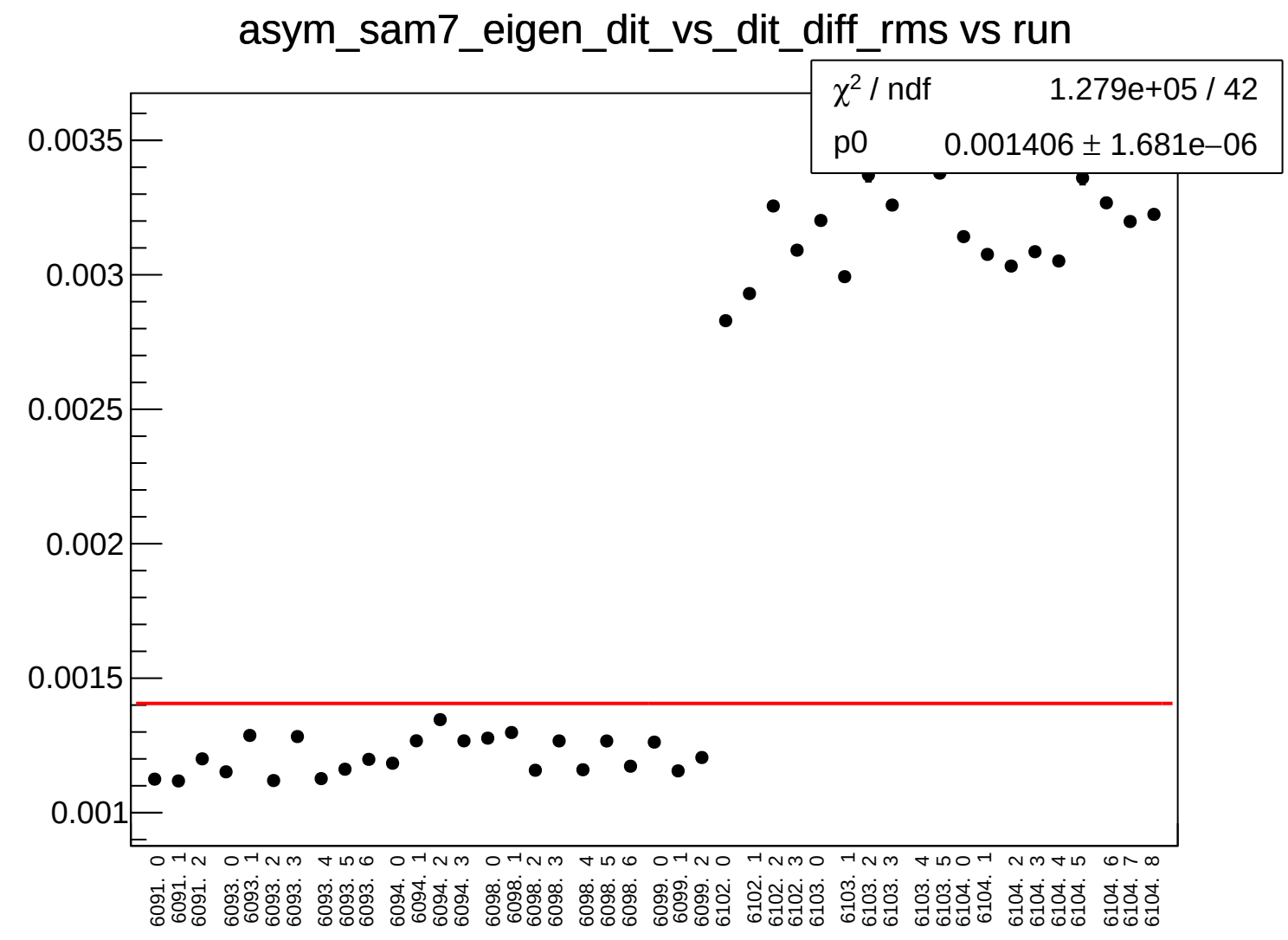

pull1D
Entries 43
Mean −0.06464
Std Dev 1.092

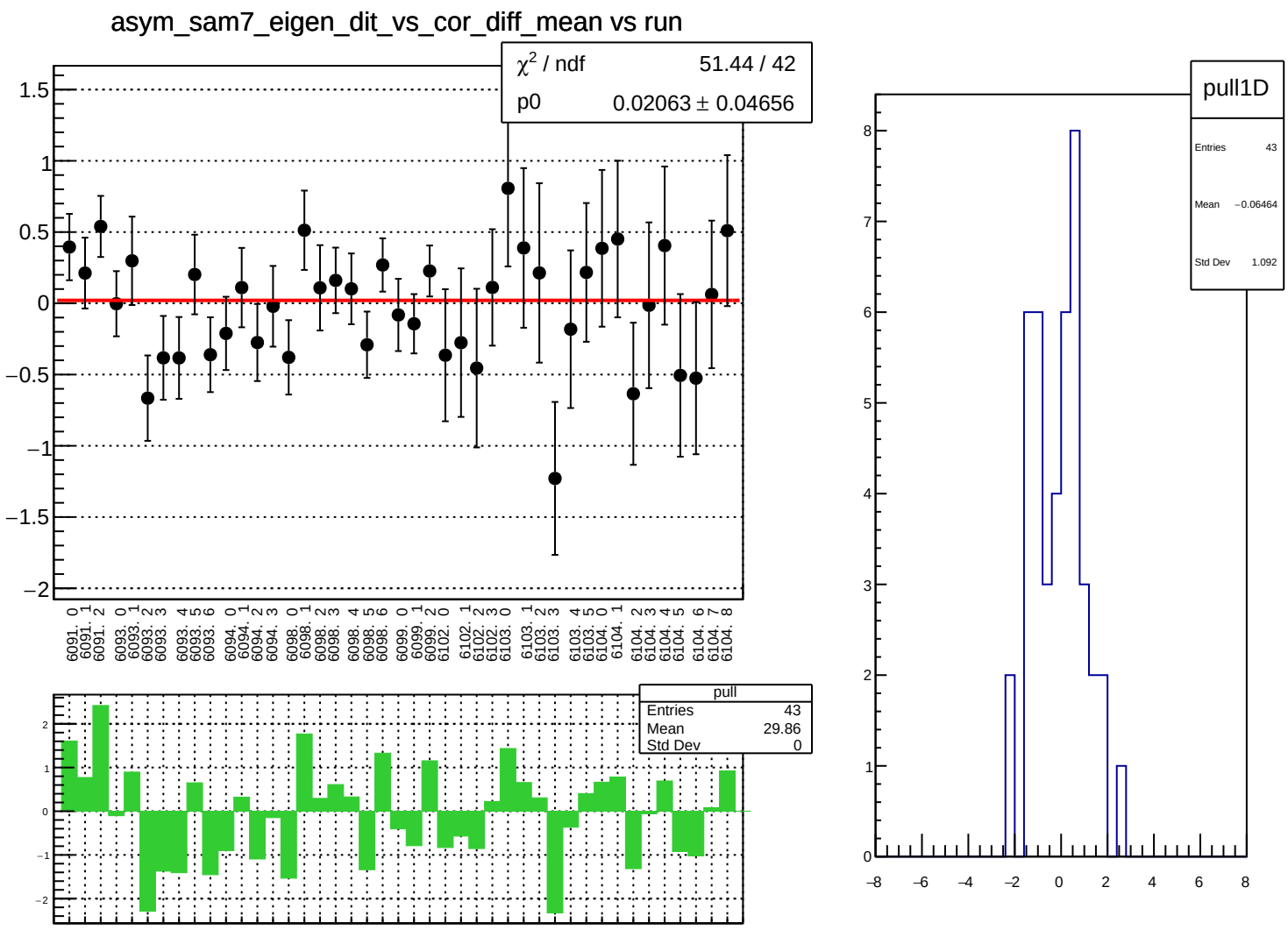

asym_sam7_dit_vs_cor_diff_rms vs run
χ² / ndf 9.629e+04 / 42
p0 28.15 ± 0.03292
60
55
50
45
40
35
30
25
20
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

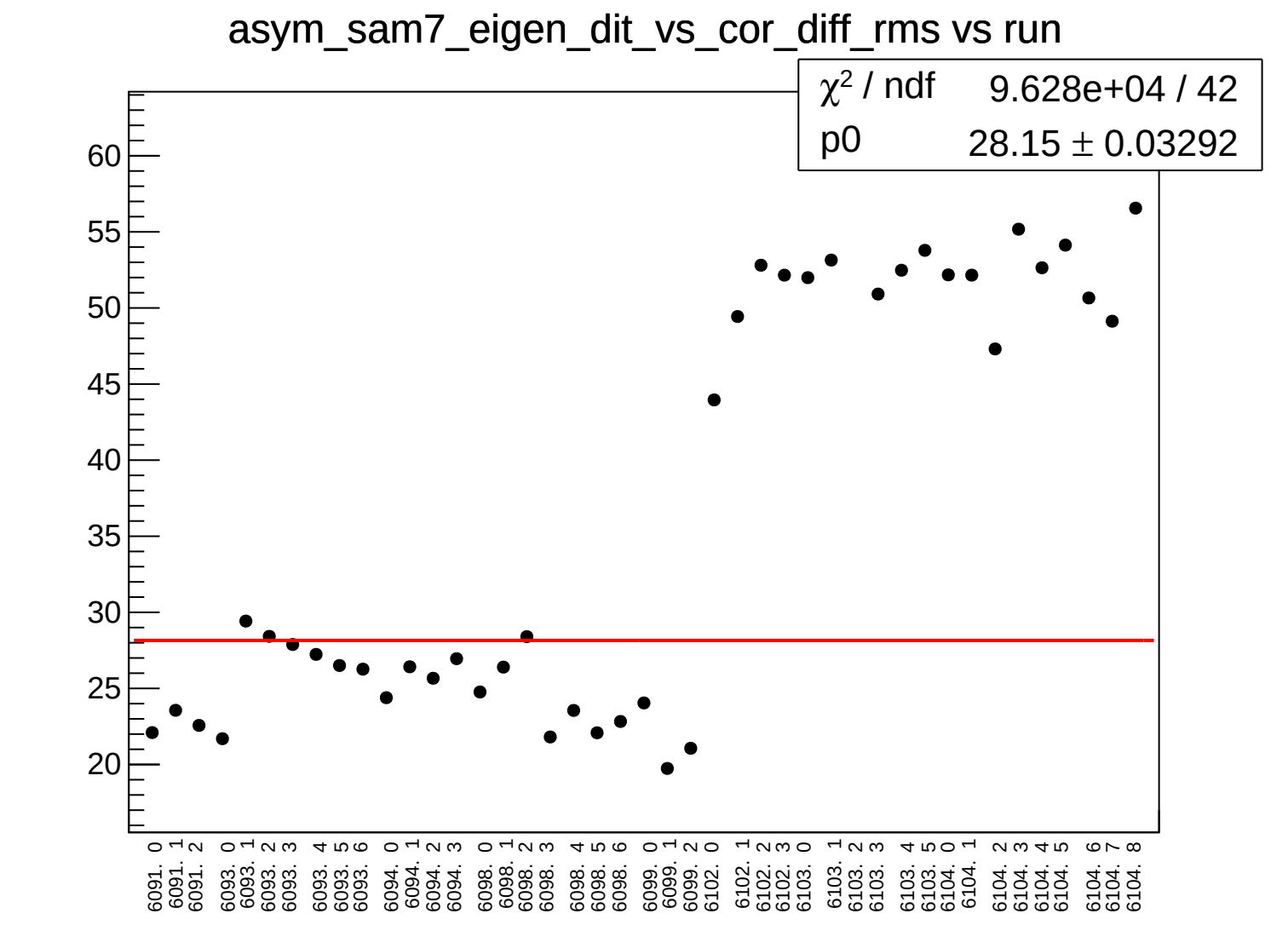

asym_sam7_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 51.44 / 42
p0 0.02064 ± 0.04656
pull
Entries 43
Mean 29.86
Std Dev 0
pull1D
Entries 43
Mean −0.06464
Std Dev 1.092

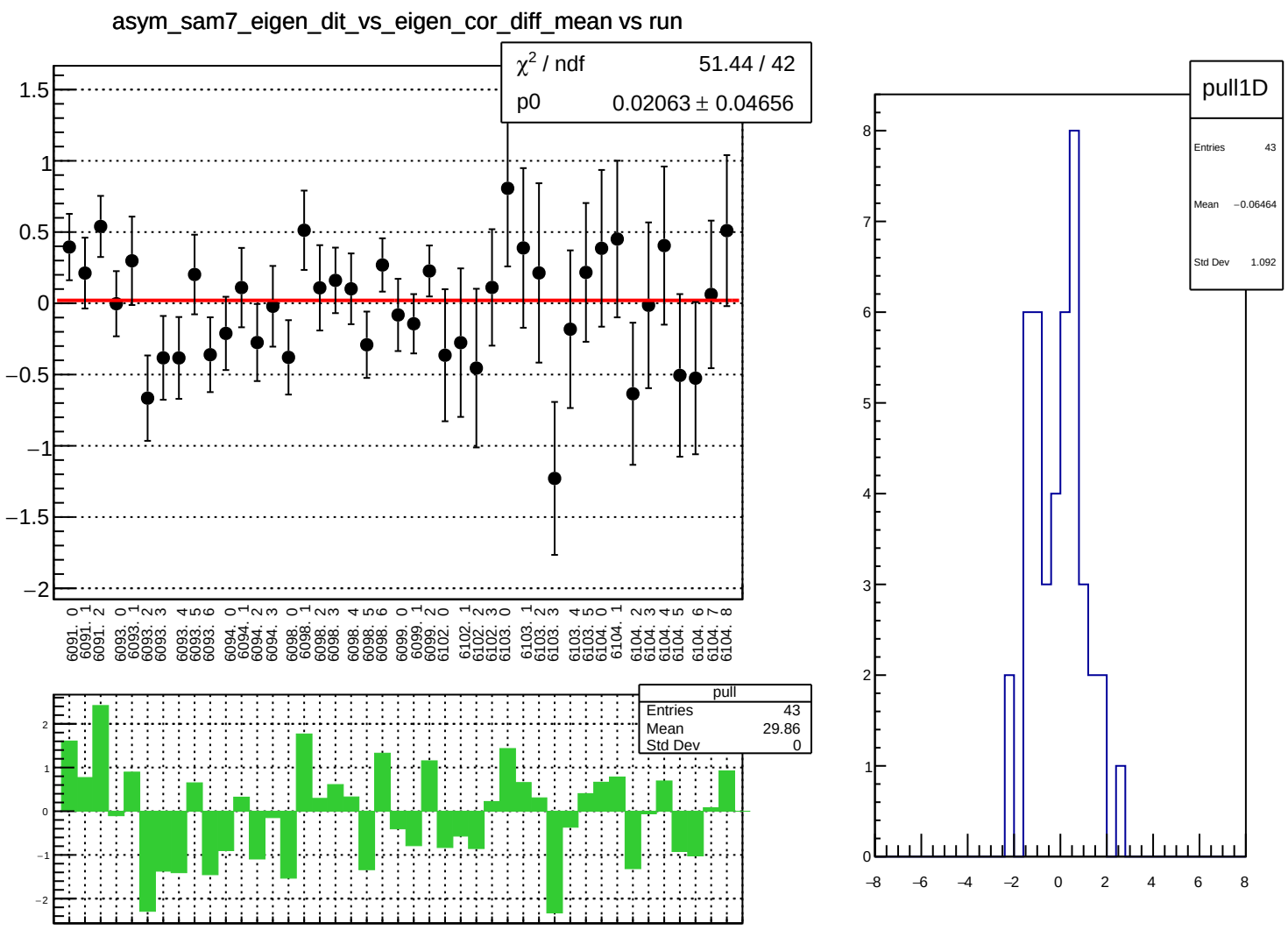

asym_sam7_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 9.629e+04 / 42
p0 28.15 ± 0.03292
60
55
50
45
40
35
30
25
20
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

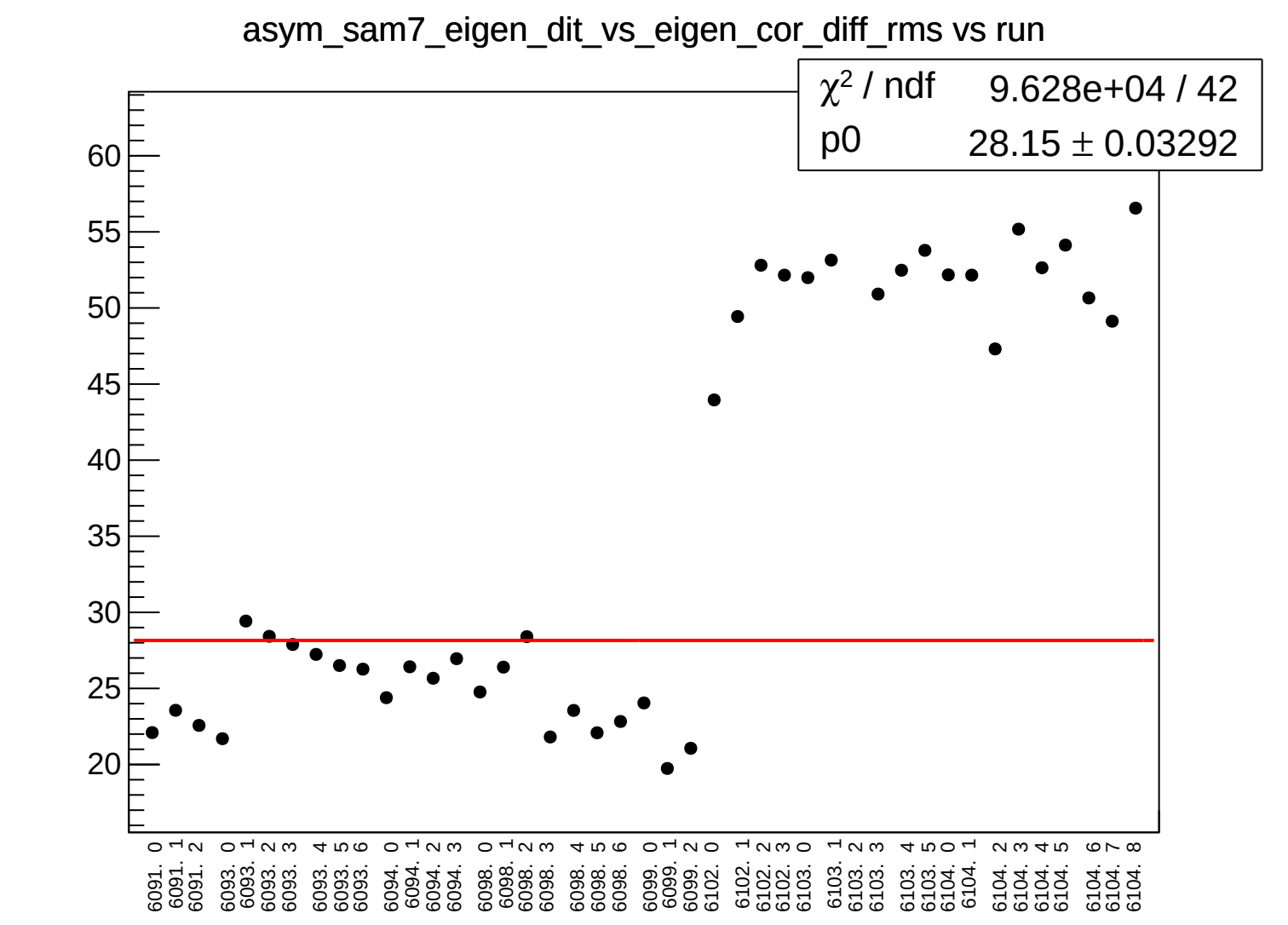

asym_sam7_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 36.22 / 42
p0 5.206e−07 ± 2.377e−06
0.1
0.08
0.06
0.04
0.02
0
−0.02
−0.04
−0.06
−0.08
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 13.45
Std Dev 9.783
2
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 43
Mean 0.02143
Std Dev 0.9175
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

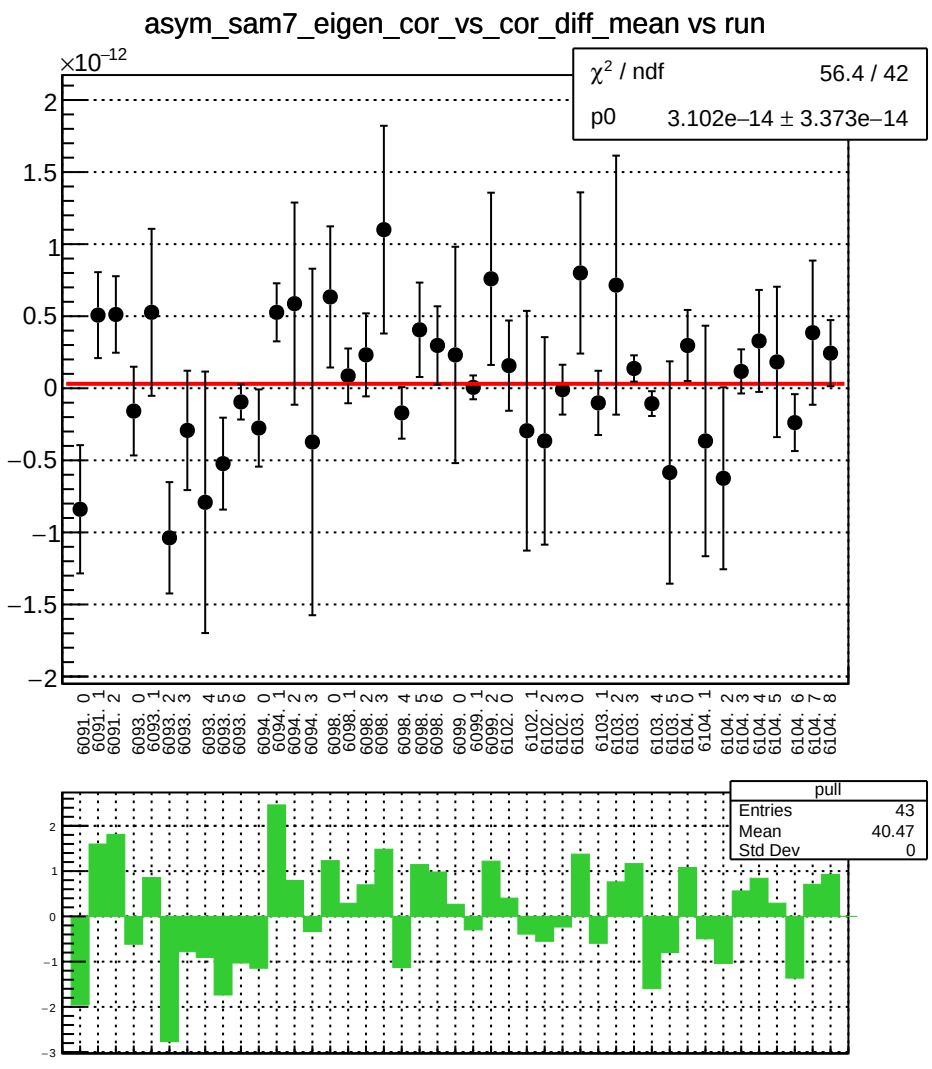

asym_sam7_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 1.279e+05 / 42
p0 0.001406 ± 1.681e−06
0.0035
0.003
0.0025
0.002
0.0015
0.001
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

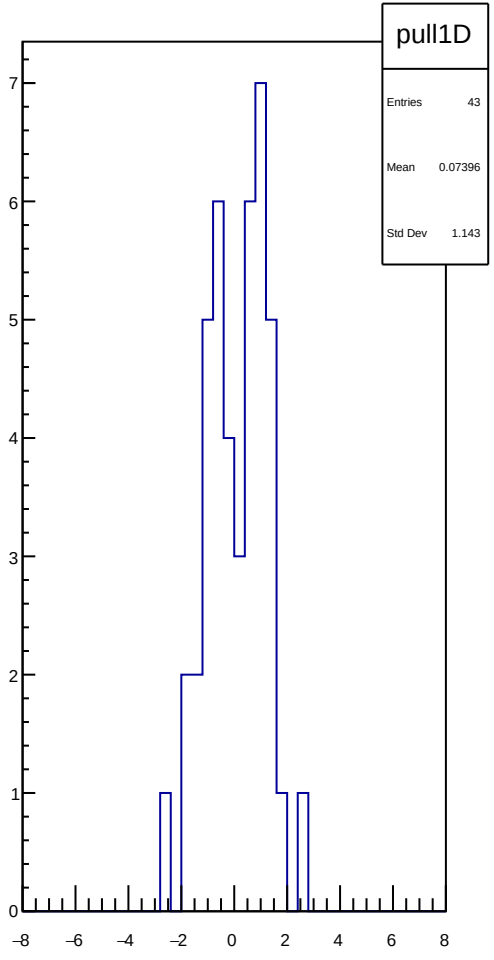

asym_sam7_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 51.44 / 42
p0 0.02063 ± 0.04656
1.5
1
0.5
0
−0.5
−1
−1.5
−2
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 29.86
Std Dev 0
2
1
0
−1
−2
pull1D
Entries 43
Mean −0.06464
Std Dev 1.092
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

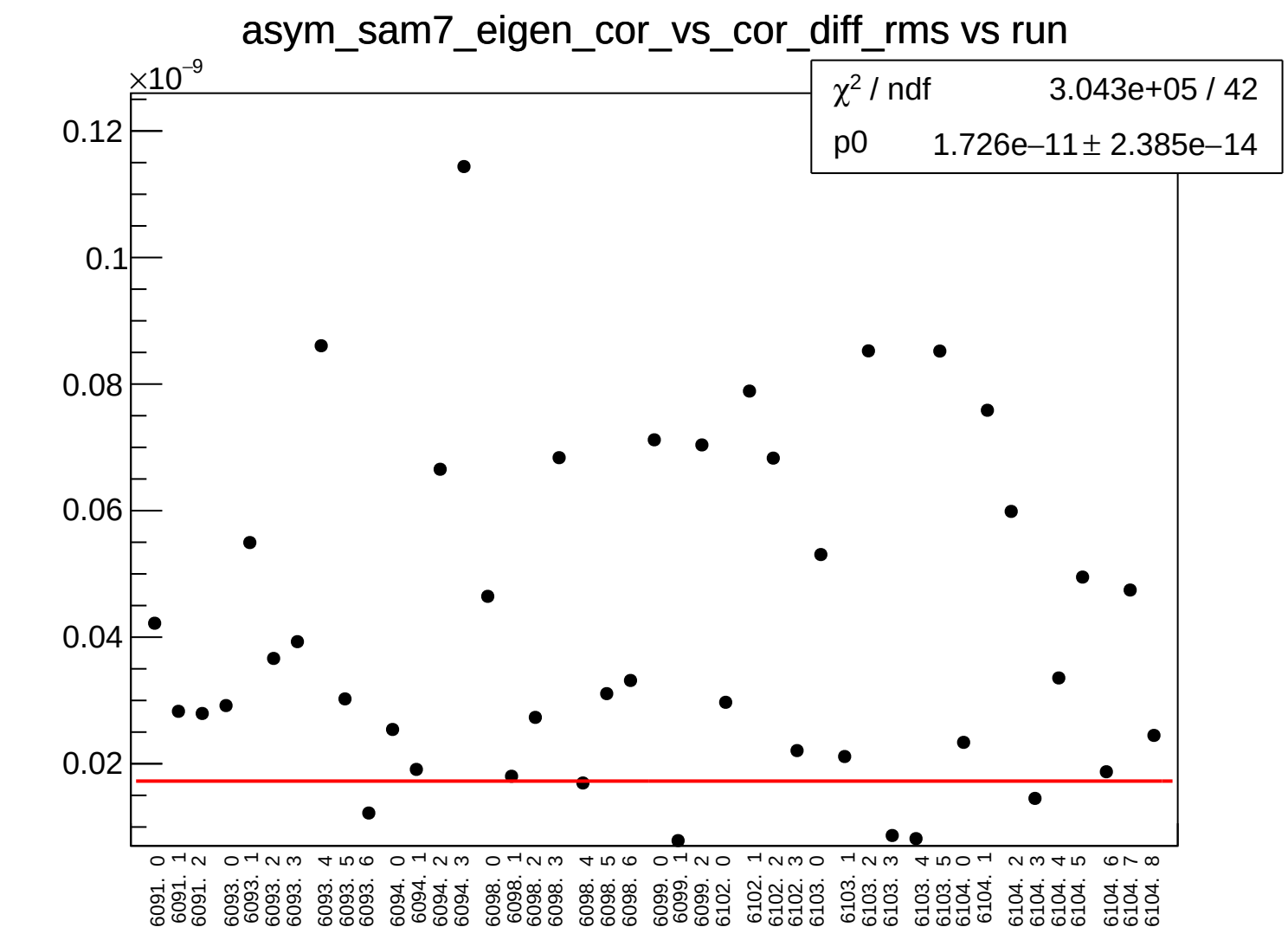

asym_sam7_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 9.628e+04 / 42
p0 28.15 ± 0.03292
60
55
50
45
40
35
30
25
20
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

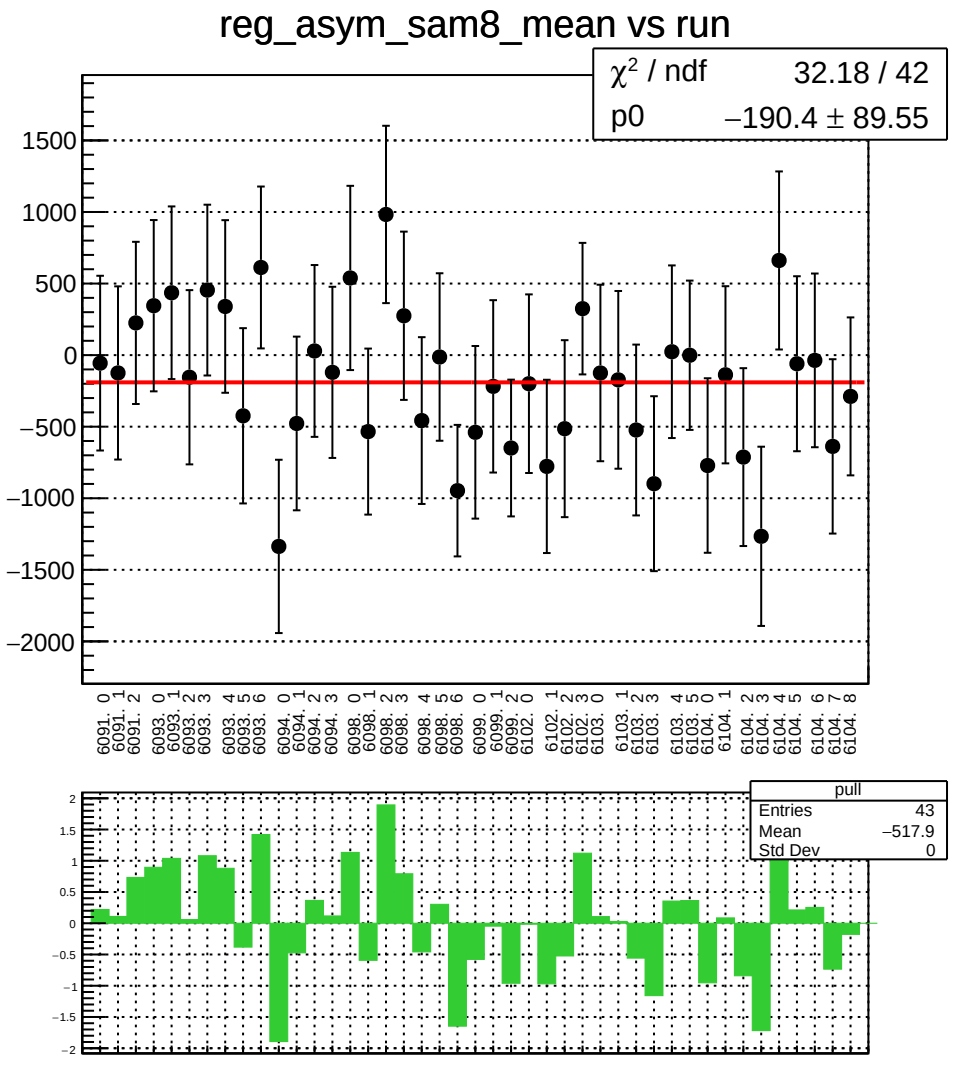

asym_sam7_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 51.44 / 42
p0 0.02063 ± 0.04656
1.5
1
0.5
0
−0.5
−1
−1.5
−2
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 29.86
Std Dev 0
2
1
0
−1
−2
pull1D
Entries 43
Mean −0.06464
Std Dev 1.092
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

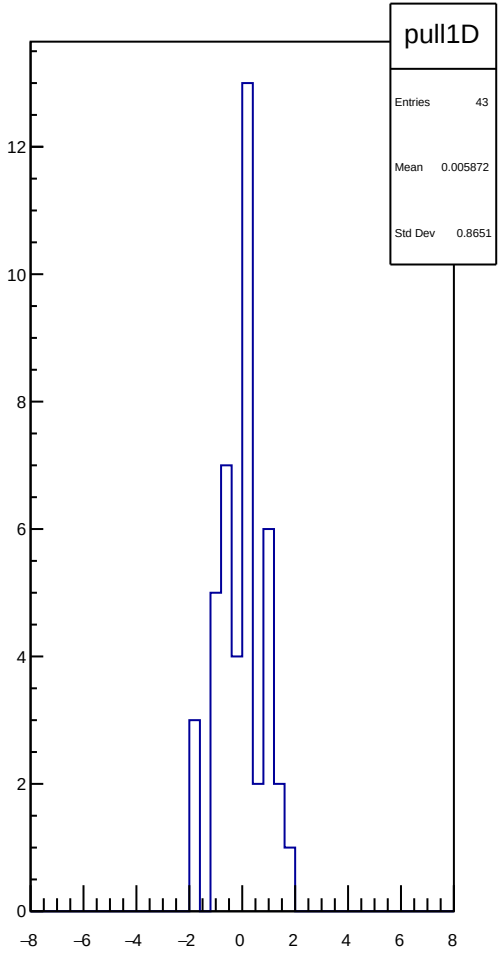

asym_sam7_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 9.628e+04 / 42
p0 28.15 ± 0.03292
60
55
50
45
40
35
30
25
20
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

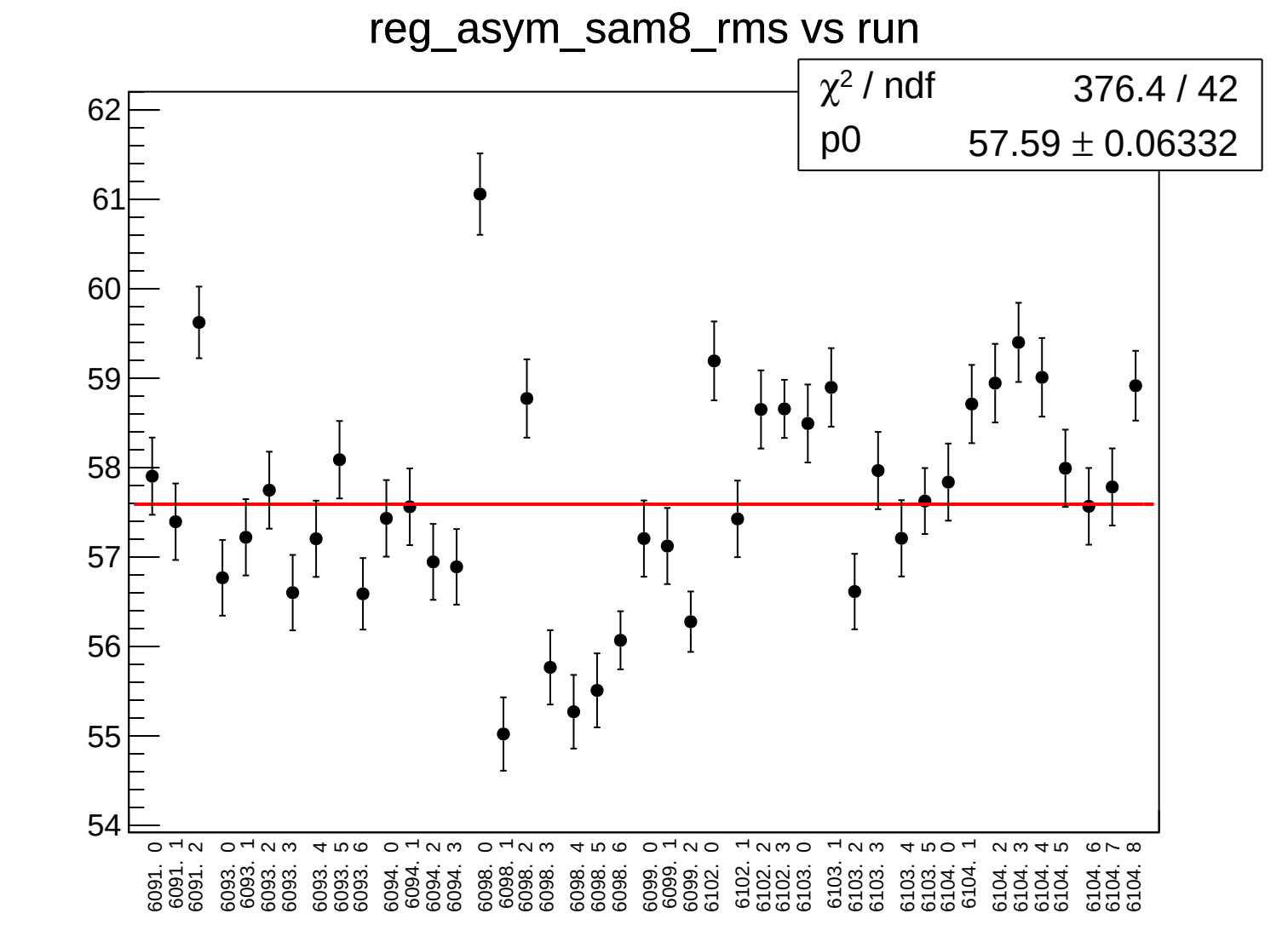

asym_sam7_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 56.4 / 42
p0 3.102e−14 ± 3.373e−14
pull
Entries 43
Mean 40.47
Std Dev 0

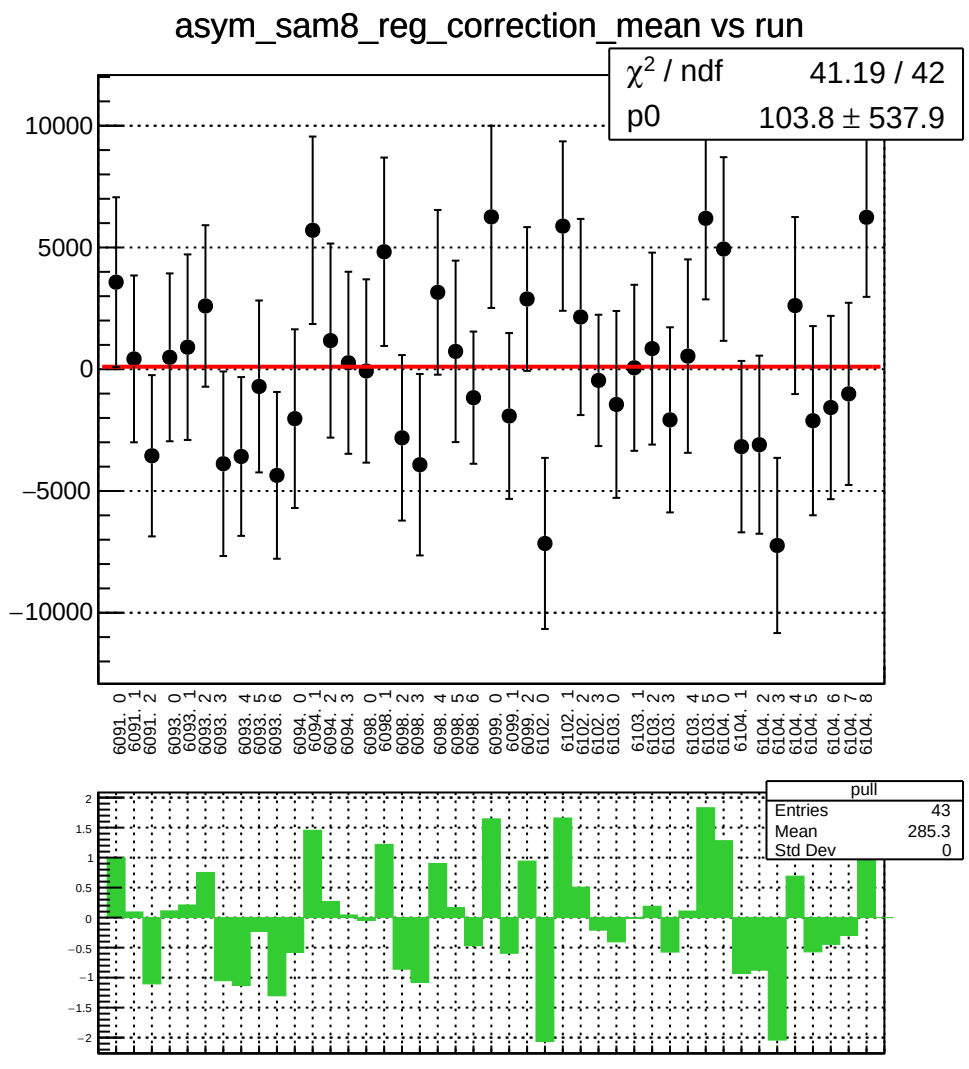

pull1D
Entries 43
Mean 0.07396
Std Dev 1.143

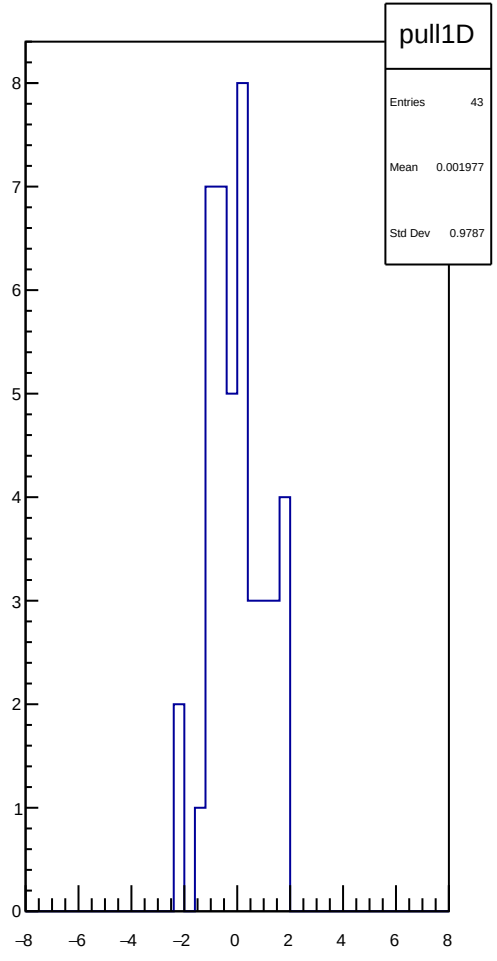

asym_sam7_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 3.043e+05 / 42
p0 1.726e−11 ± 2.385e−14
0.12
0.1
0.08
0.06
0.04
0.02
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

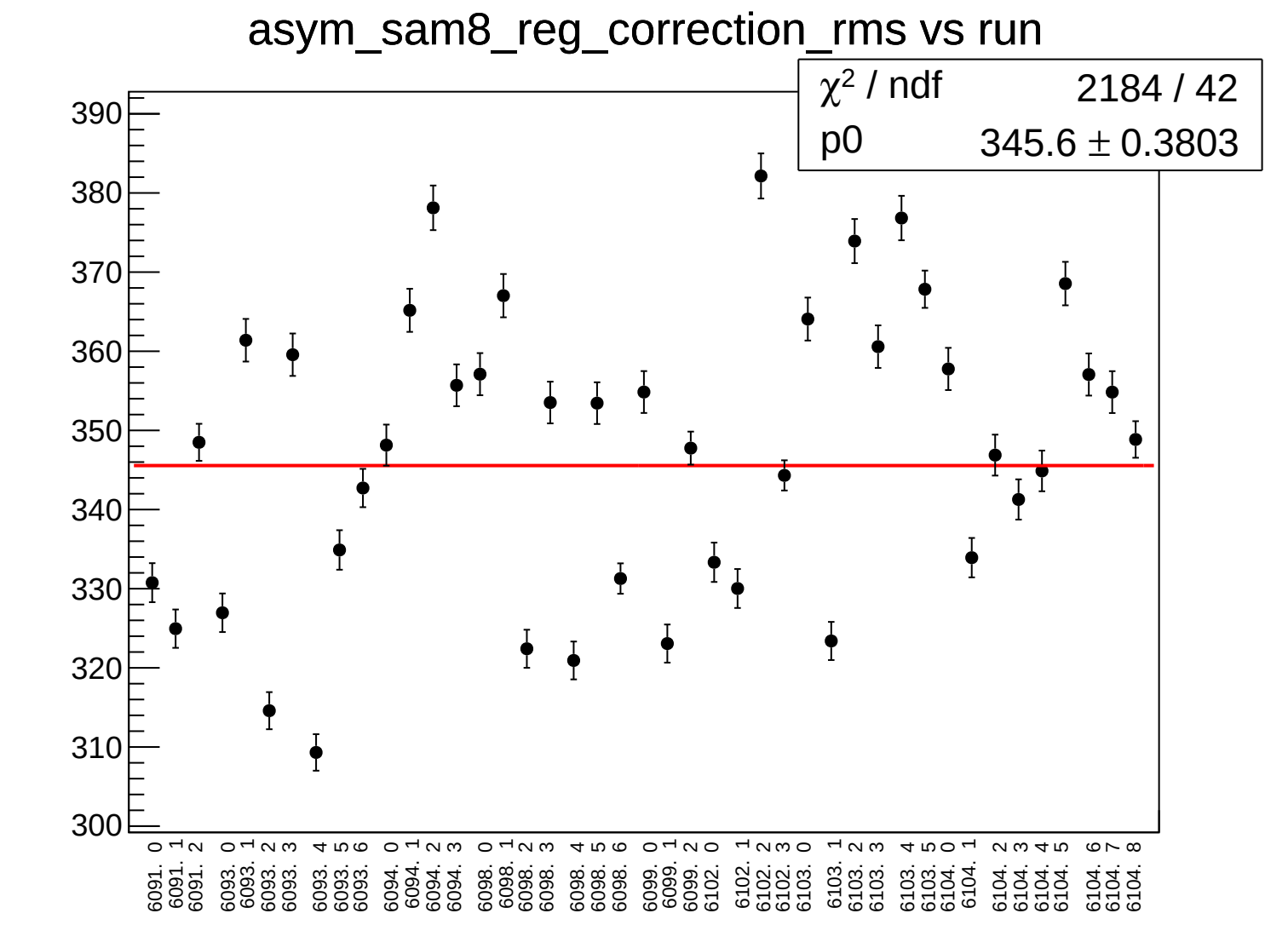

reg_asym_sam8_mean vs run
χ² / ndf 32.18 / 42
p0 −190.4 ± 89.55
1500
1000
500
0
−500
−1000
−1500
−2000
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean −517.9
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

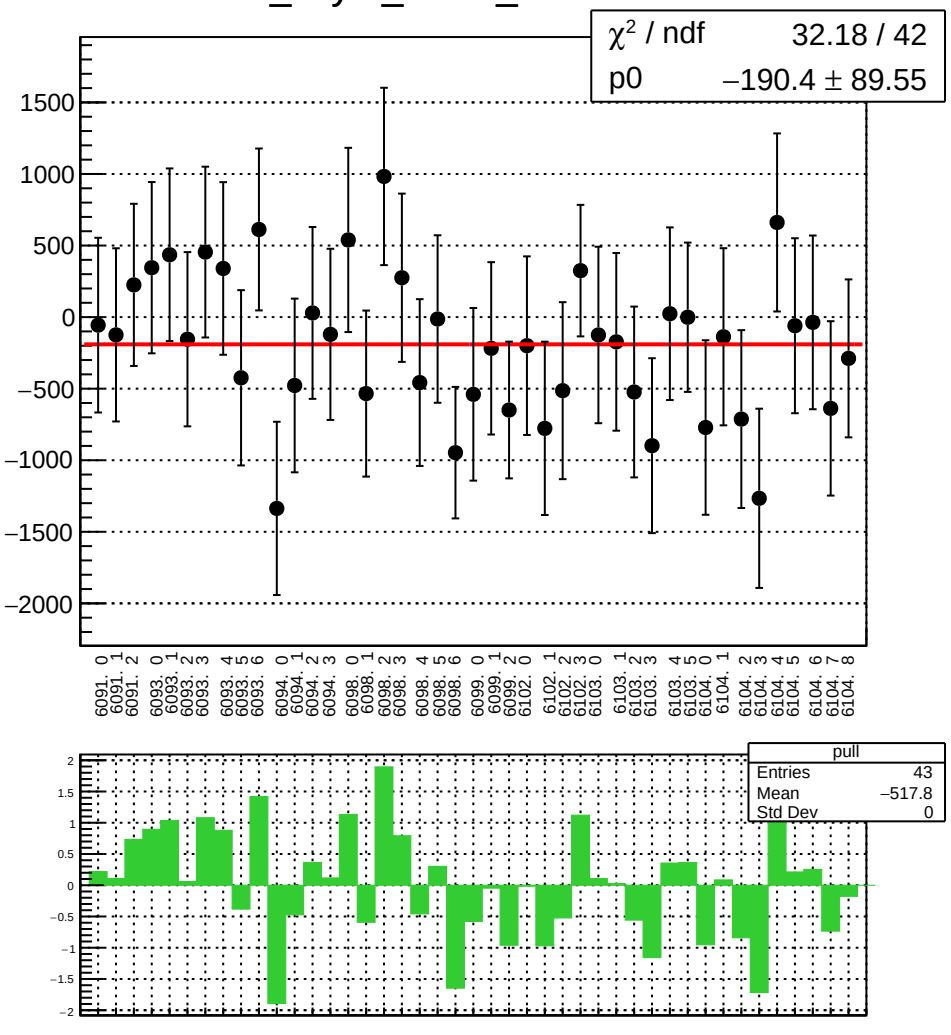

pull1D
Entries 43
Mean 0.005872
Std Dev 0.8651
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

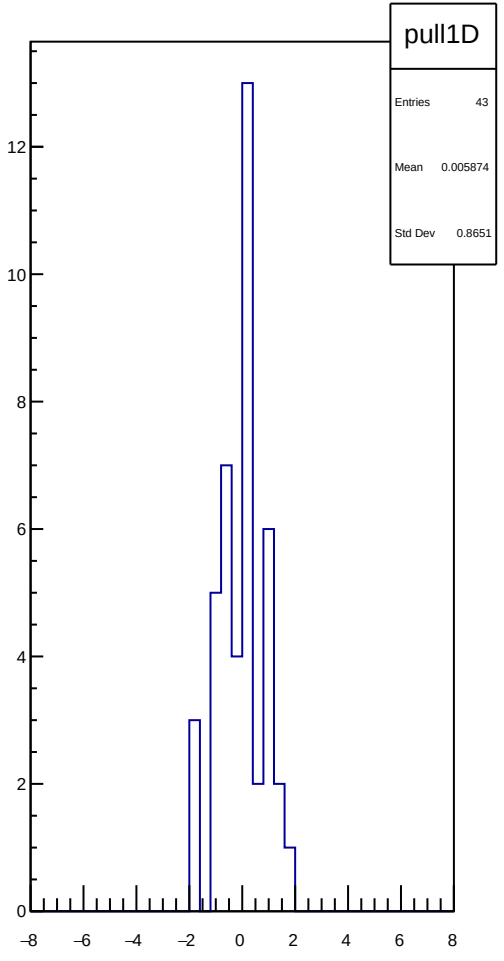

reg_asym_sam8_rms vs run
χ² / ndf 376.4 / 42
p0 57.59 ± 0.06332
62
61
60
59
58
57
56
55
54
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

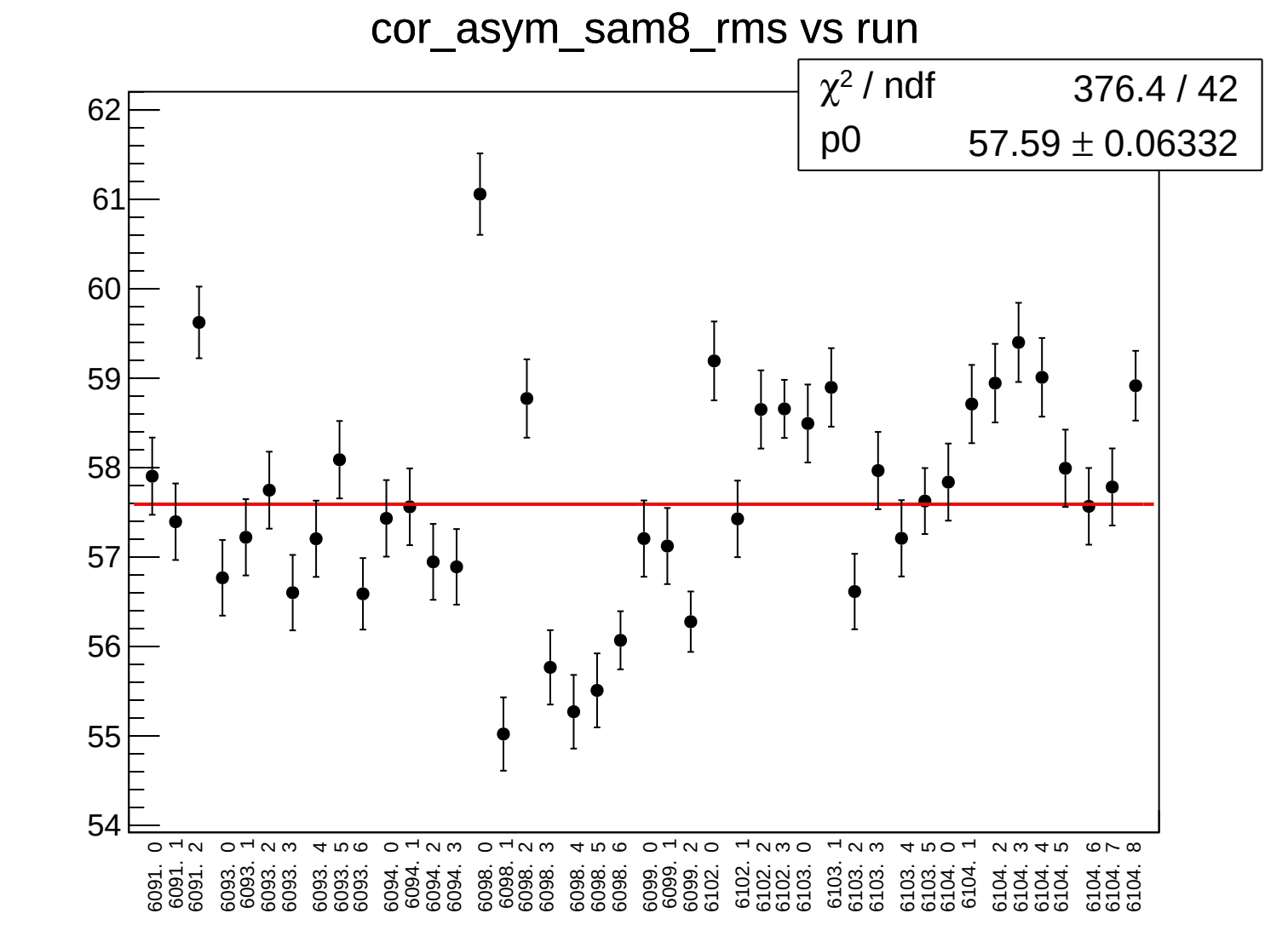

asym_sam8_reg_correction_mean vs run
χ² / ndf 41.19 / 42
p0 103.8 ± 537.9
10000
5000
0
−5000
−10000
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 285.3
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

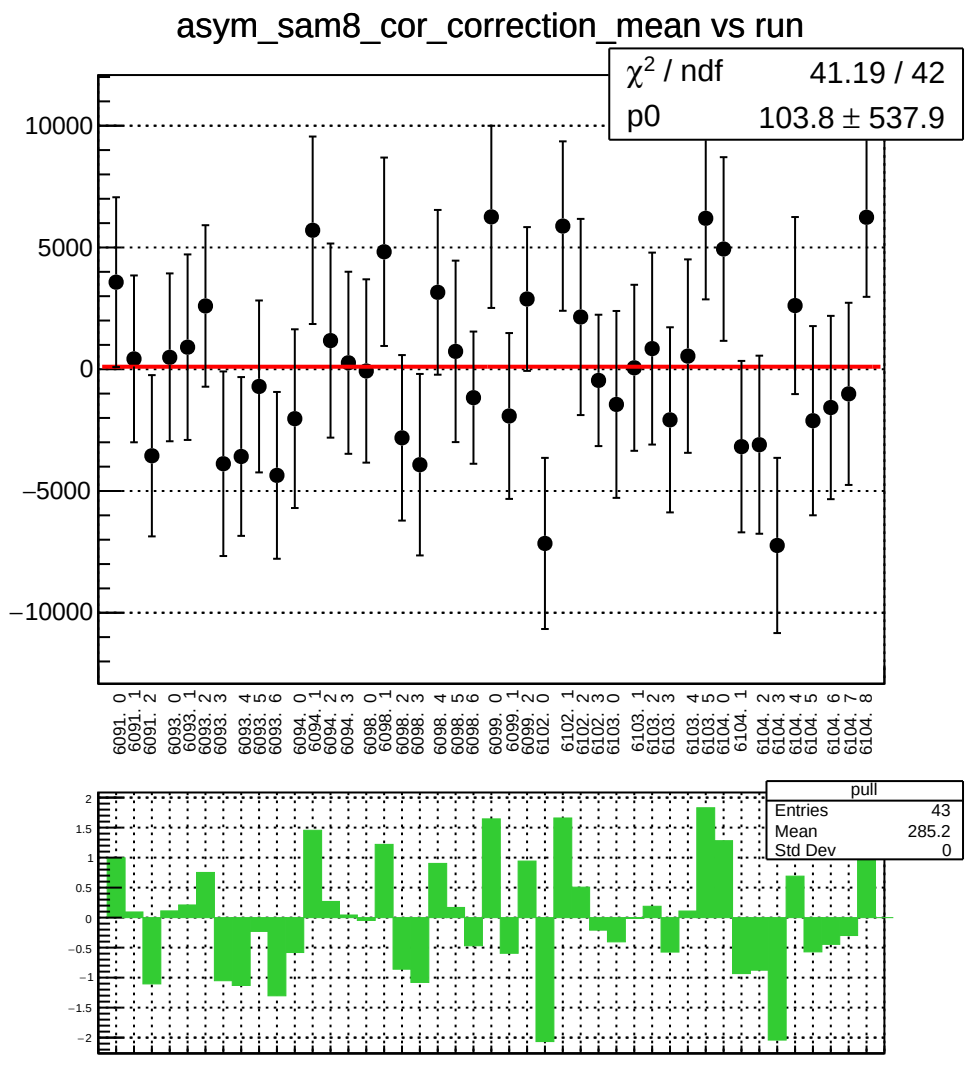

pull1D
Entries 43
Mean 0.001977
Std Dev 0.9787
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

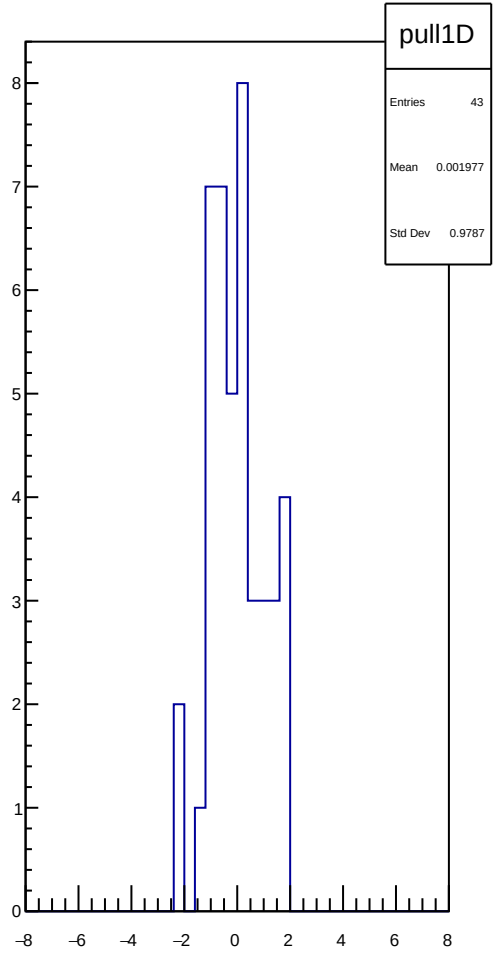

asym_sam8_reg_correction_rms vs run
χ² / ndf 2184 / 42
p0 345.6 ± 0.3803
390
380
370
360
350
340
330
320
310
300
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

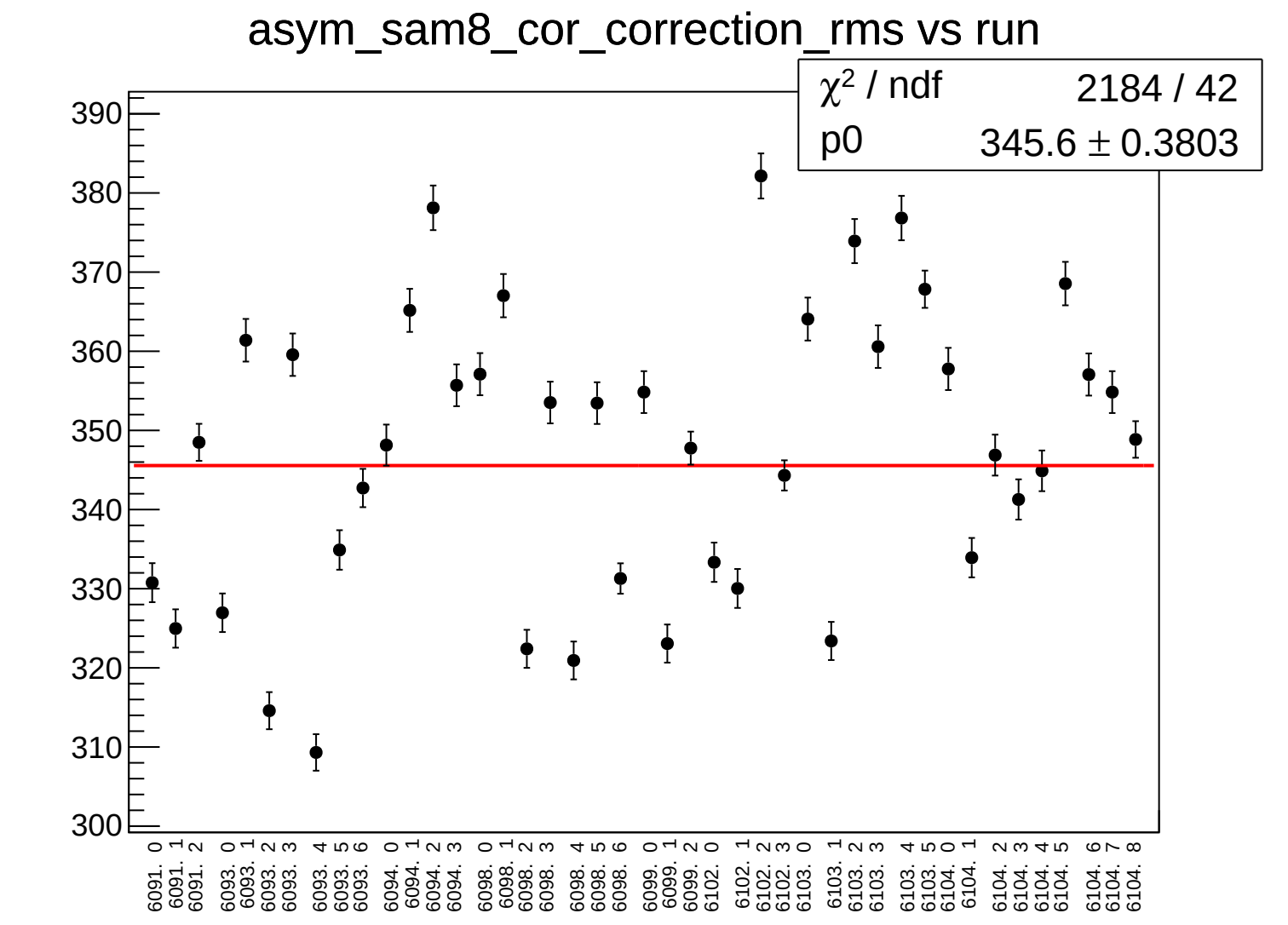

cor_asym_sam8_mean vs run
χ² / ndf 32.18 / 42
p0 −190.4 ± 89.55
1500
1000
500
0
−500
−1000
−1500
−2000
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean −517.8
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

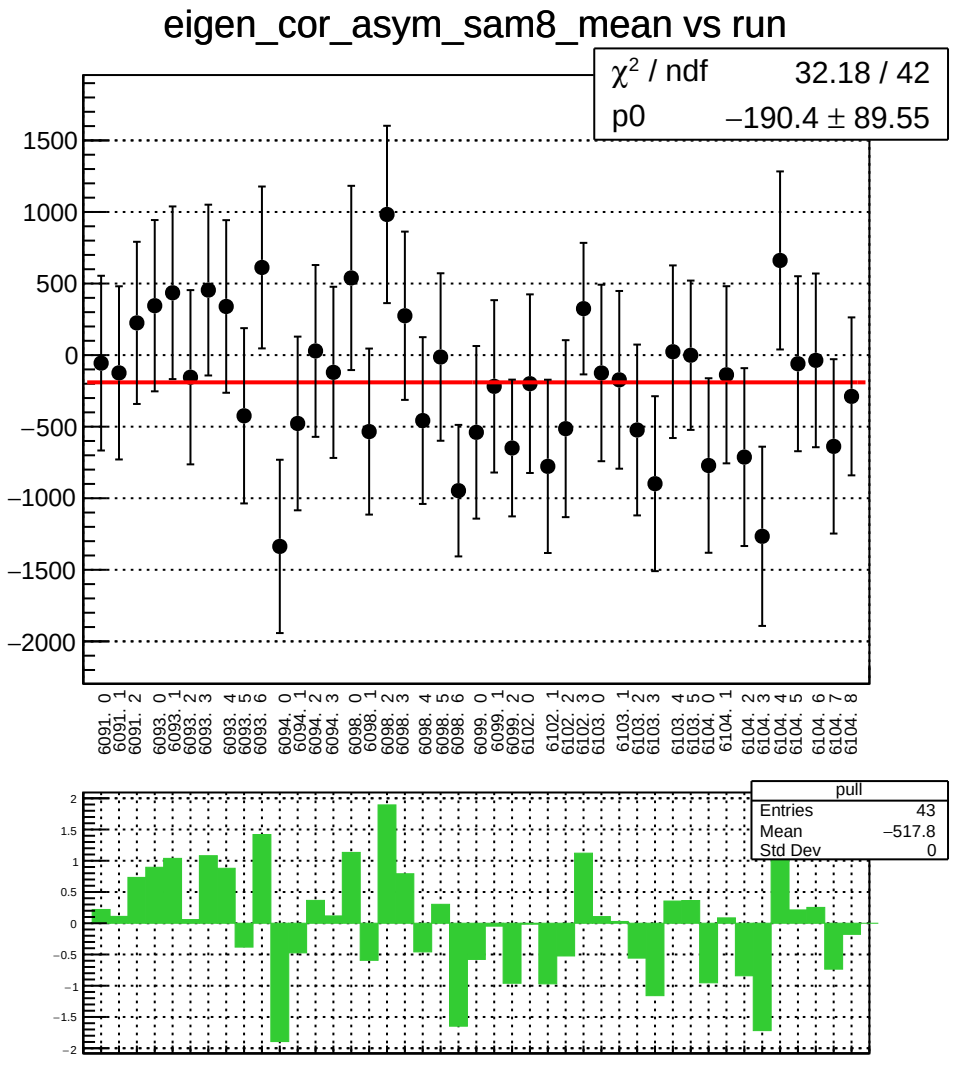

pull1D
Entries 43
Mean 0.005874
Std Dev 0.8651
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

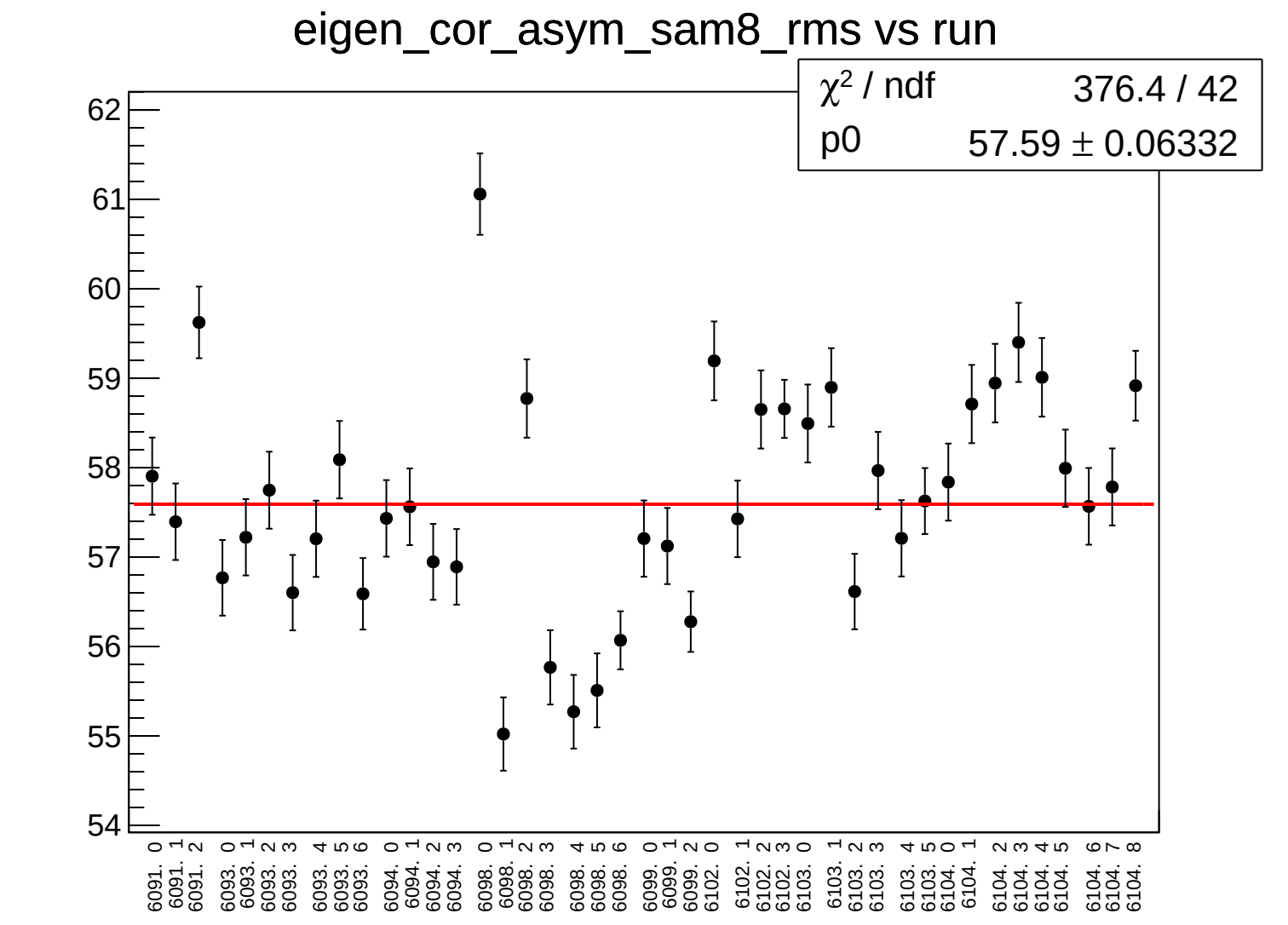

cor_asym_sam8_rms vs run
χ² / ndf 376.4 / 42
p0 57.59 ± 0.06332
62
61
60
59
58
57
56
55
54
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

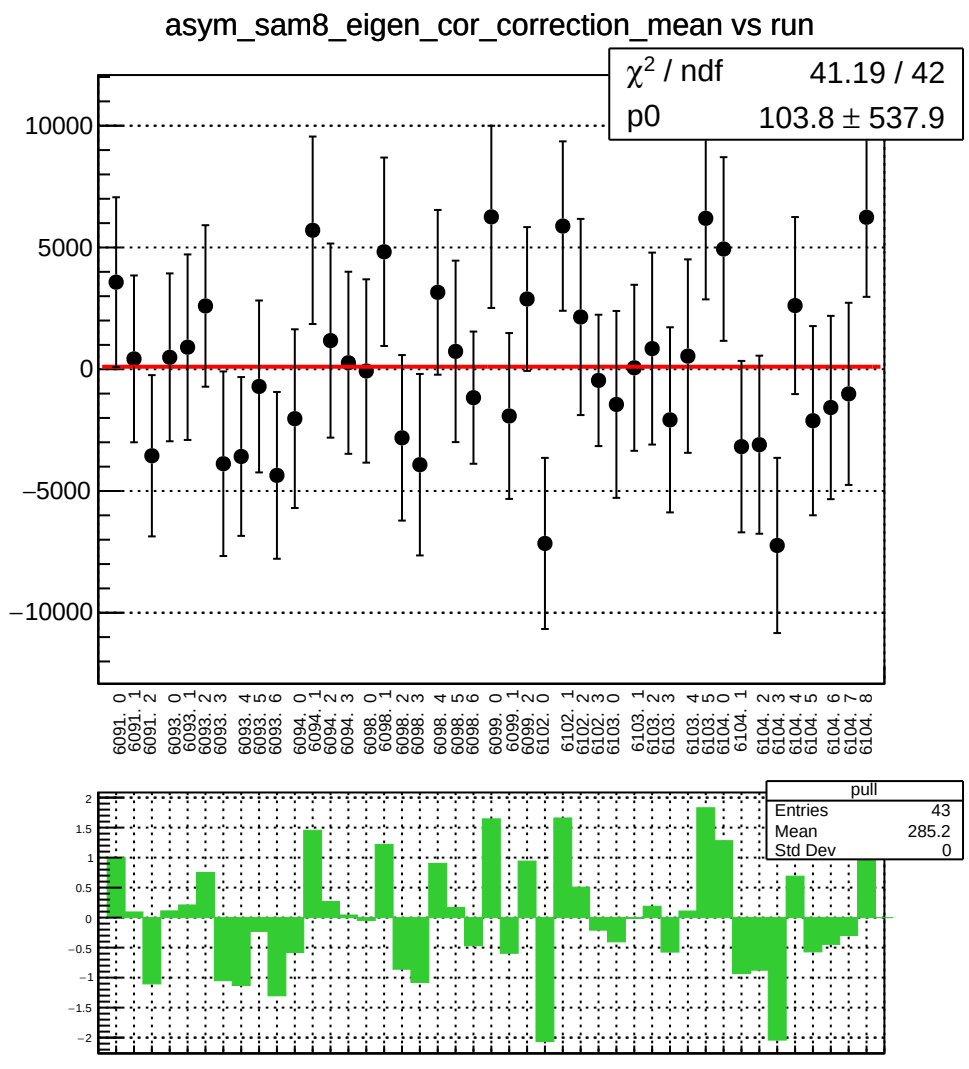

asym_sam8_cor_correction_mean vs run
χ^2 / ndf 41.19 / 42
p0 103.8 ± 537.9
10000
5000
0
−5000
−10000
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 285.2
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

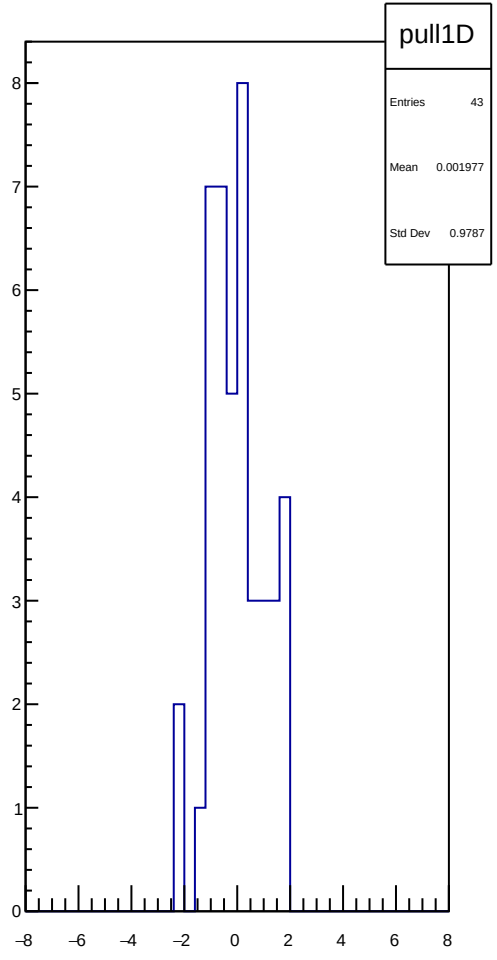

pull1D
Entries 43
Mean 0.001977
Std Dev 0.9787
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

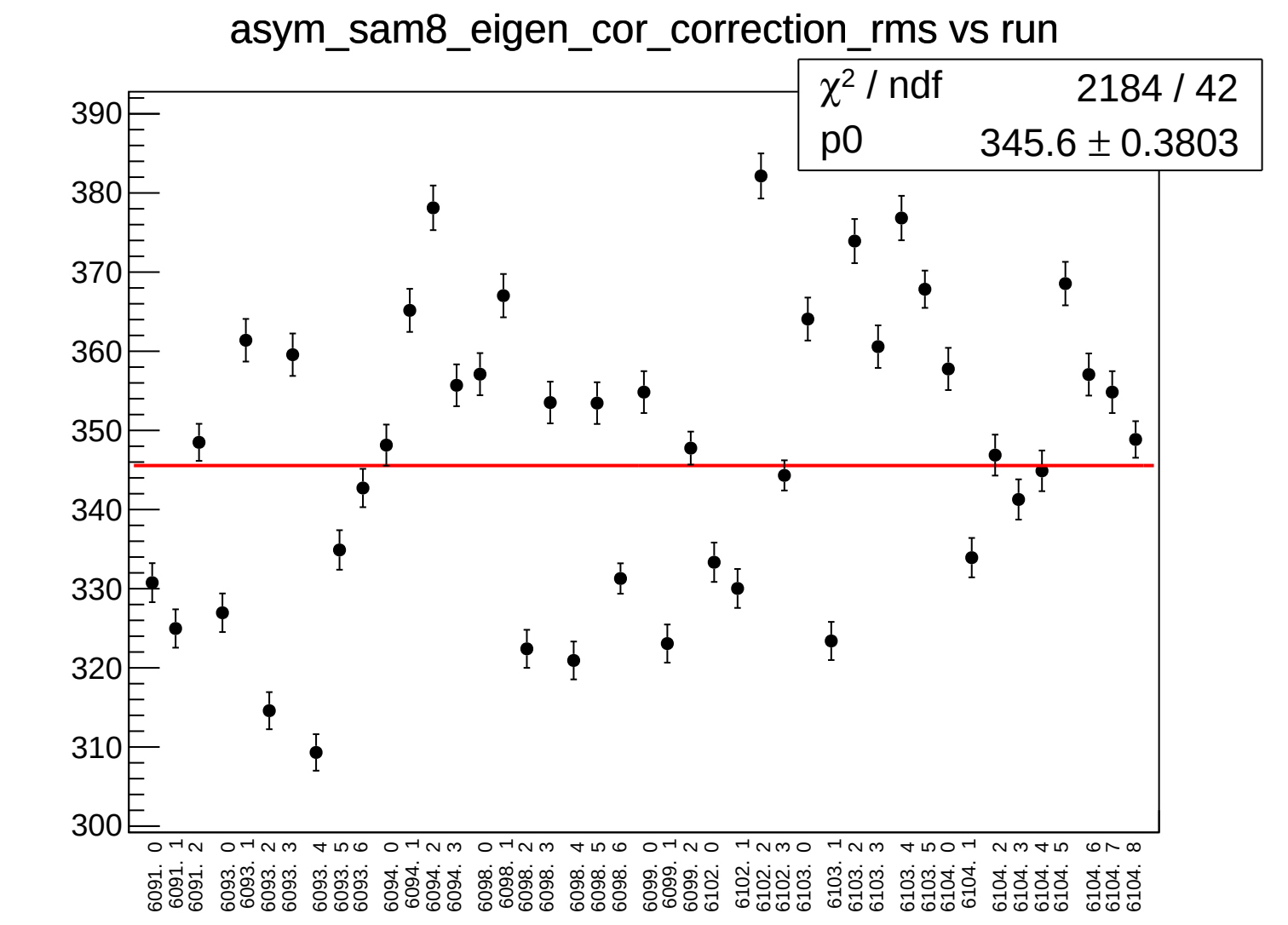

asym_sam8_cor_correction_rms vs run
χ² / ndf 2184 / 42
p0 345.6 ± 0.3803
390
380
370
360
350
340
330
320
310
300
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8


eigen_cor_asym_sam8_mean vs run
χ² / ndf 32.18 / 42
p0 −190.4 ± 89.55
1500
1000
500
0
−500
−1000
−1500
−2000
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean −517.8
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 43
Mean 0.005874
Std Dev 0.8651
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


eigen_cor_asym_sam8_rms vs run
χ² / ndf 376.4 / 42
p0 57.59 ± 0.06332
62
61
60
59
58
57
56
55
54
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8


asym_sam8_eigen_cor_correction_mean vs run
χ² / ndf 41.19 / 42
p0 103.8 ± 537.9
10000
5000
0
−5000
−10000
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 285.2
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2


pull1D
Entries 43
Mean 0.001977
Std Dev 0.9787
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


asym_sam8_eigen_cor_correction_rms vs run
χ² / ndf 2184 / 42
p0 345.6 ± 0.3803
390
380
370
360
350
340
330
320
310
300
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
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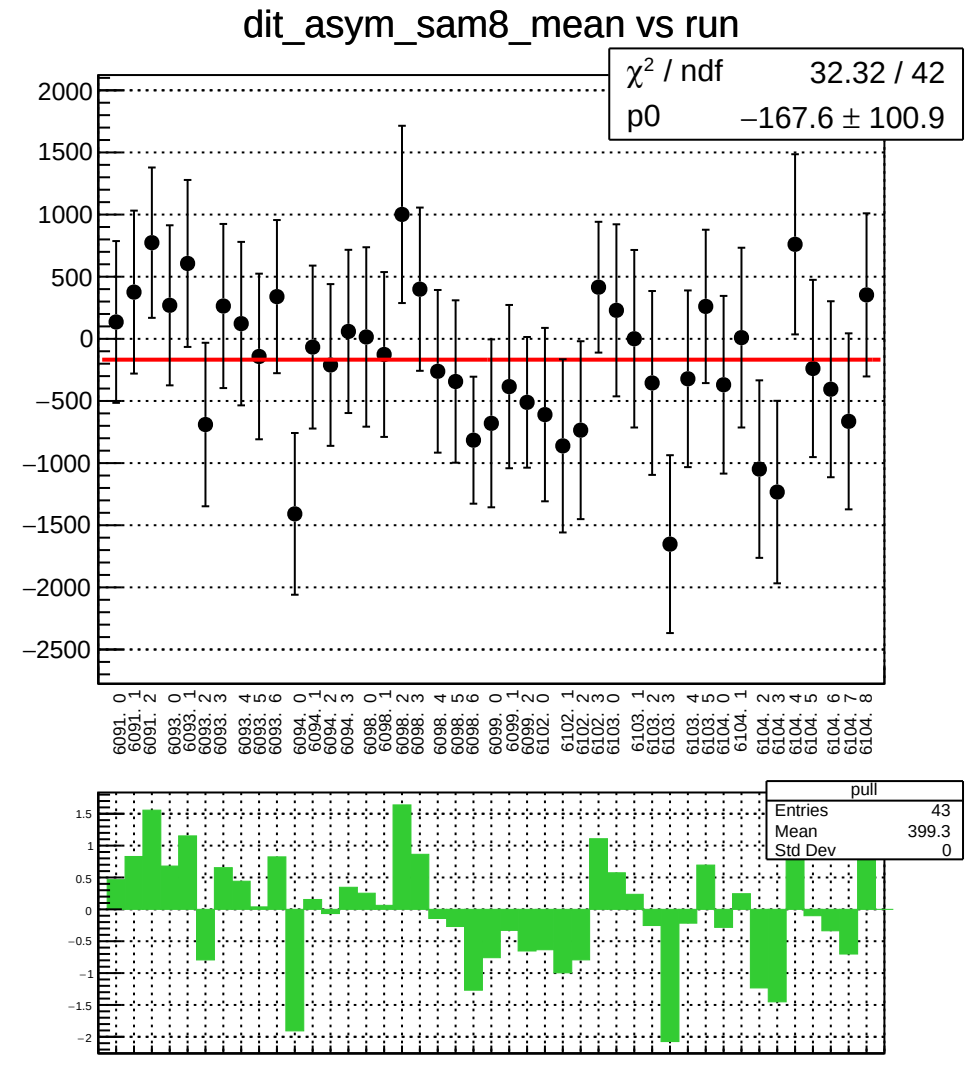
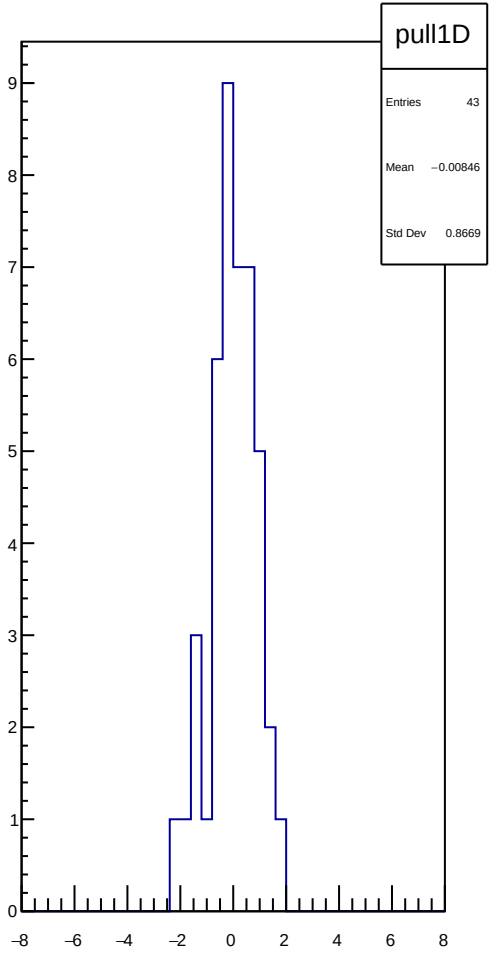
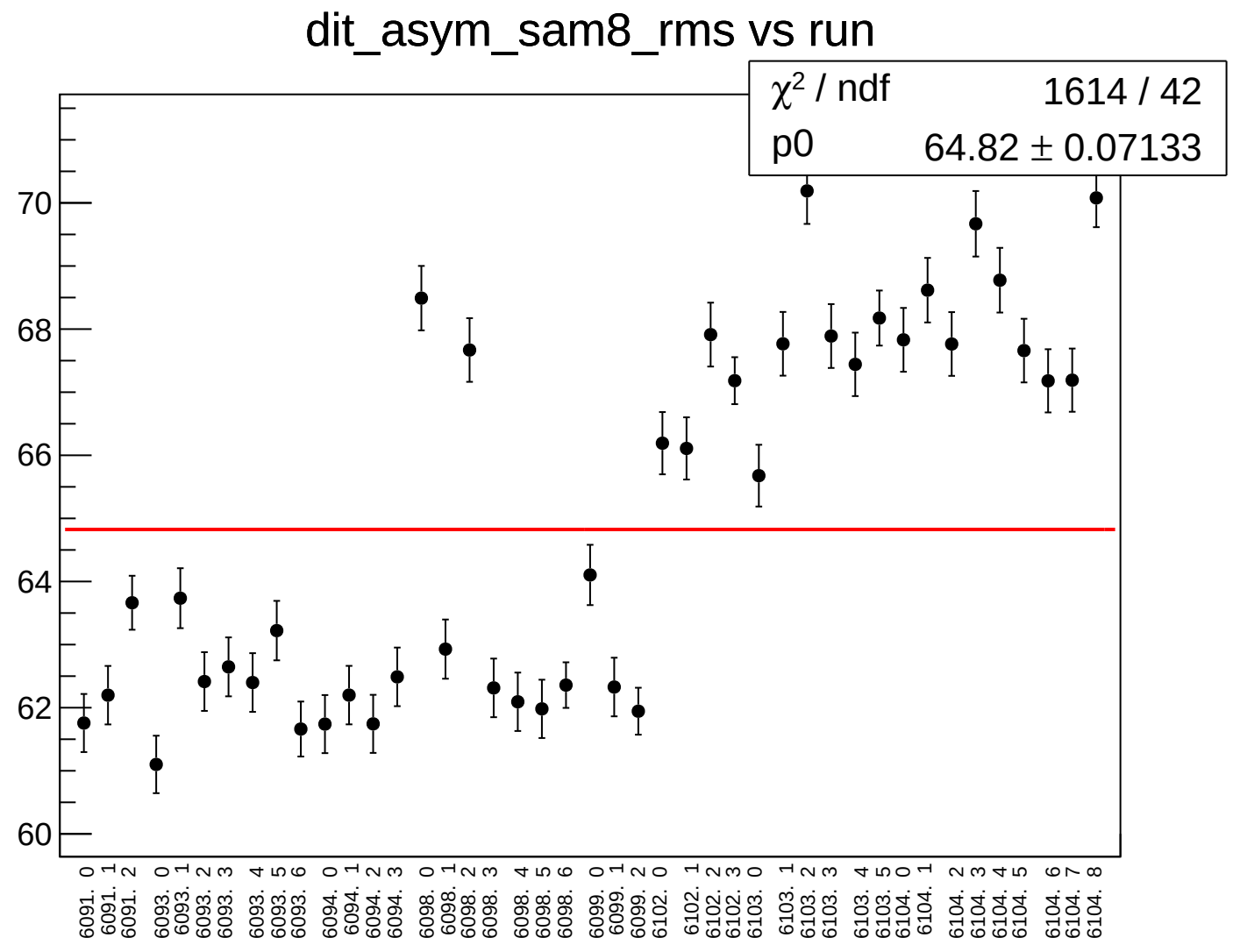
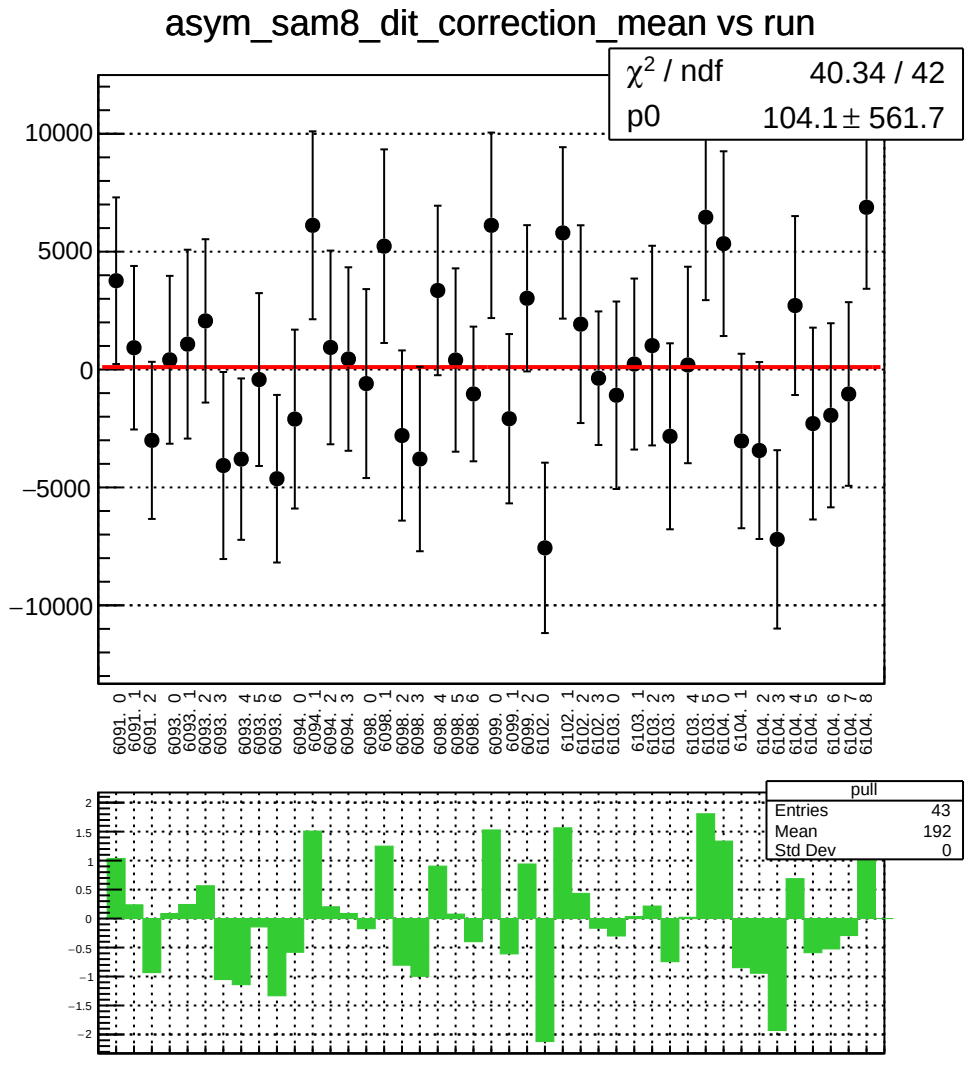
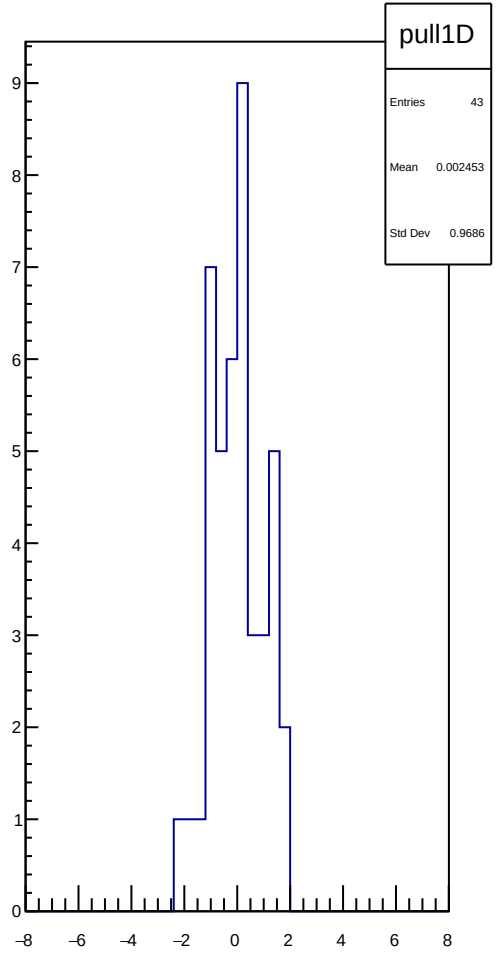
6104. 5
6104. 6
6104. 7
6104. 8

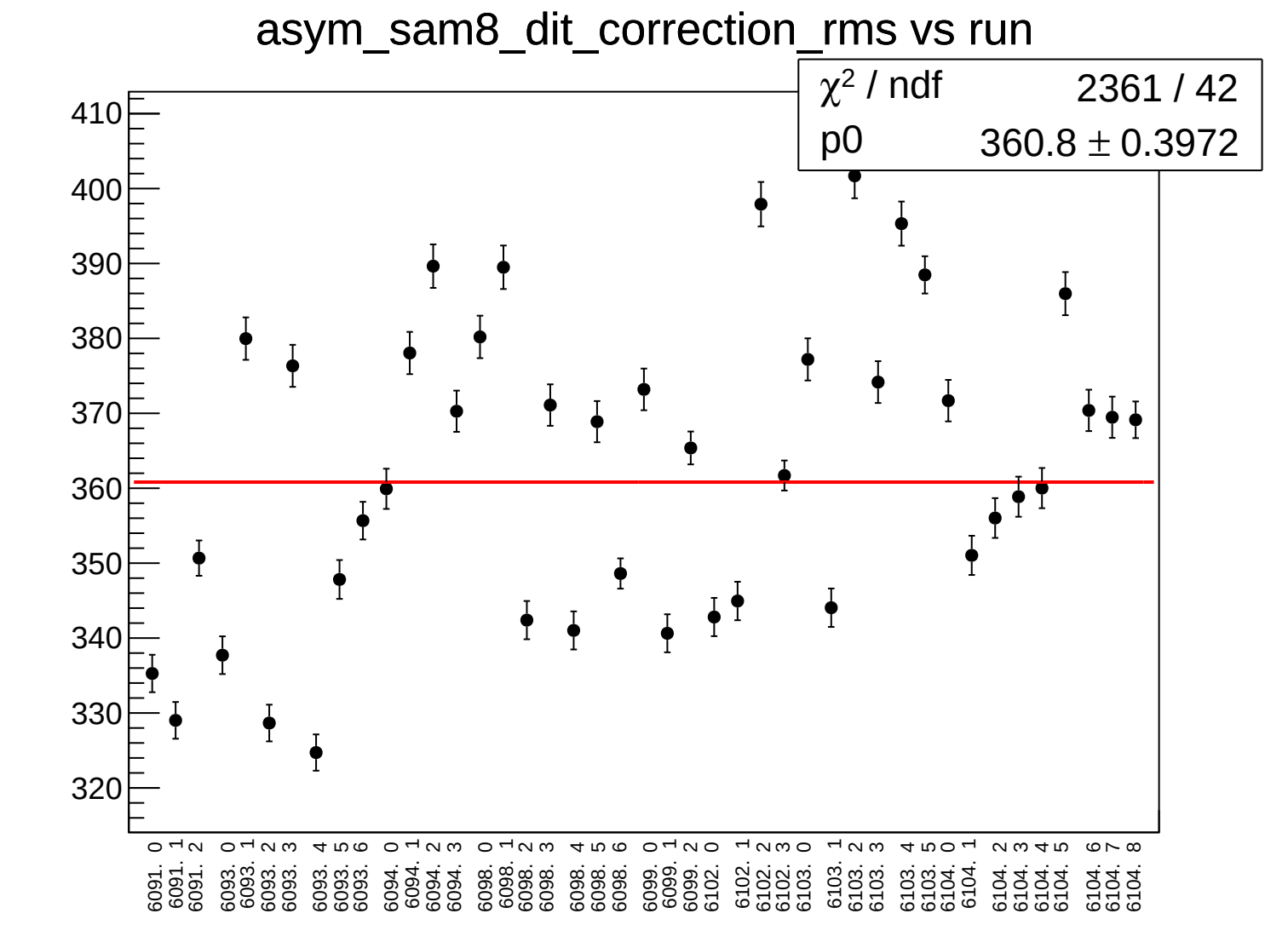

dit_asym_sam8_mean vs run
χ² / ndf 32.32 / 42
p0 −167.6 ± 100.9
2000
1500
1000
500
0
−500
−1000
−1500
−2000
−2500
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 399.3
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2

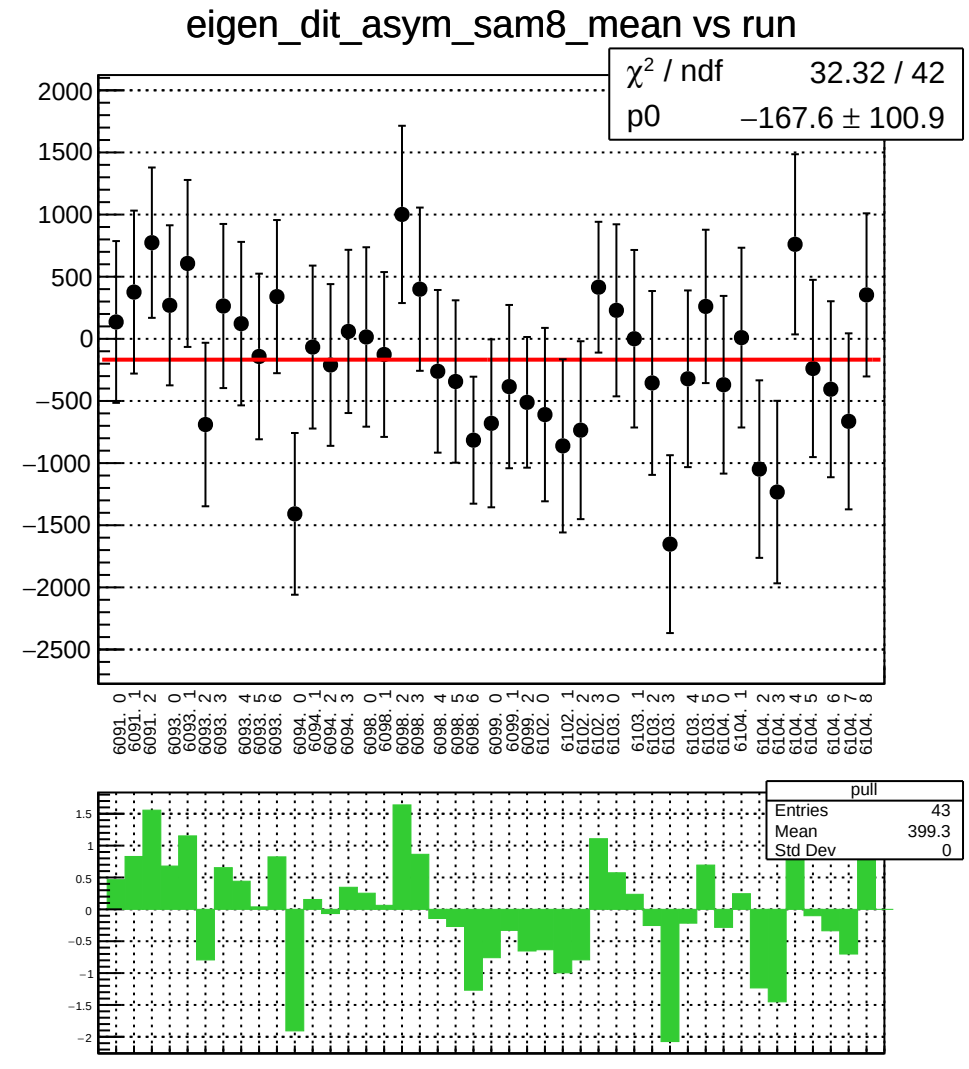

pull1D
Entries 43
Mean −0.00846
Std Dev 0.8669
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

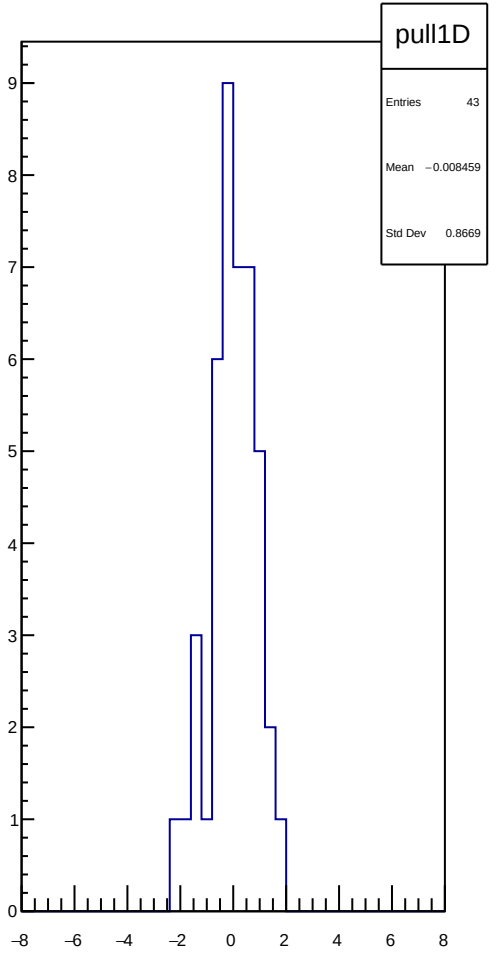

dit_asym_sam8_rms vs run
χ² / ndf 1614 / 42
p0 64.82 ± 0.07133
70
68
66
64
62
60
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

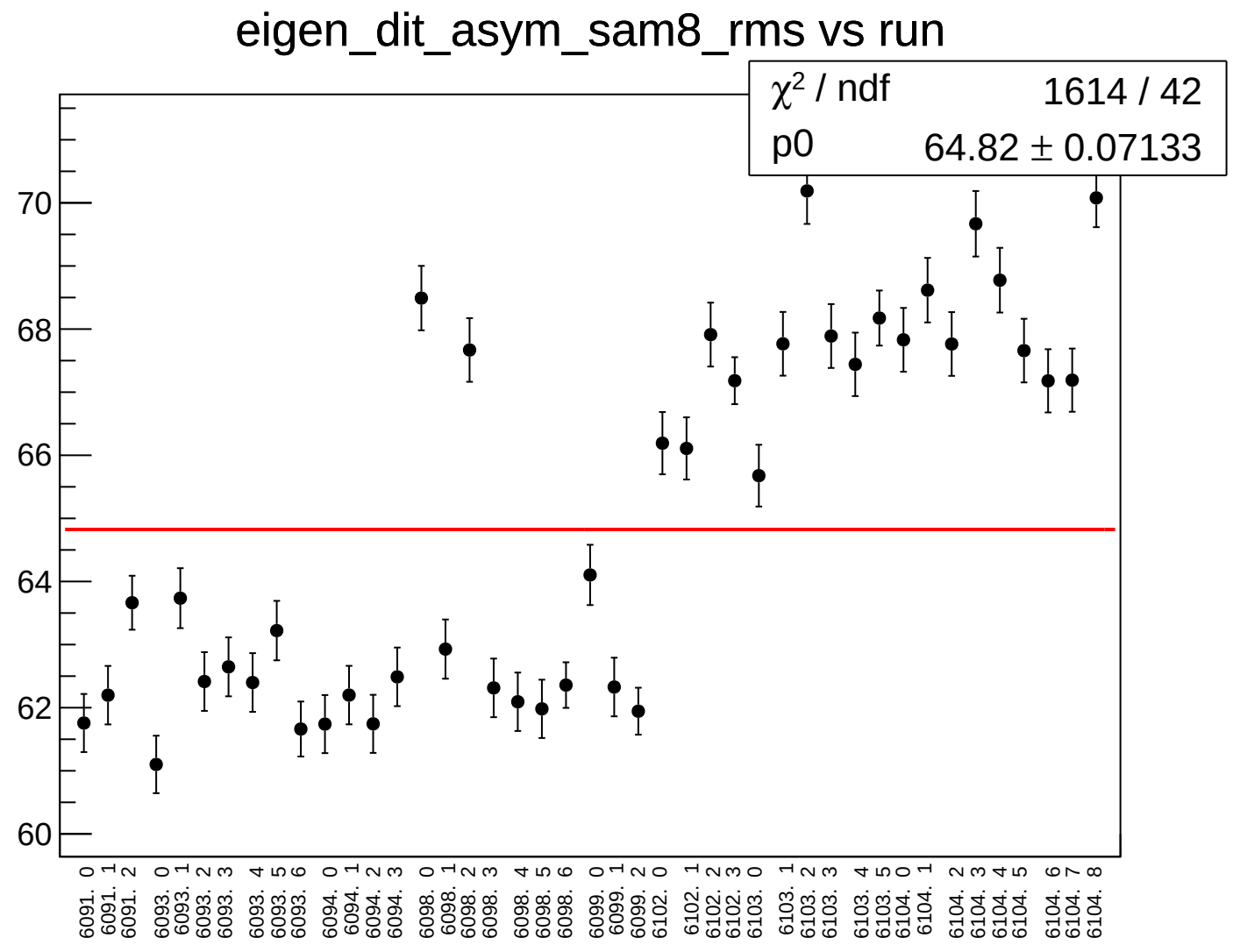

asym_sam8_dit_correction_mean vs run
χ² / ndf 40.34 / 42
p0 104.1 ± 561.7
10000
5000
0
−5000
−10000
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 192
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

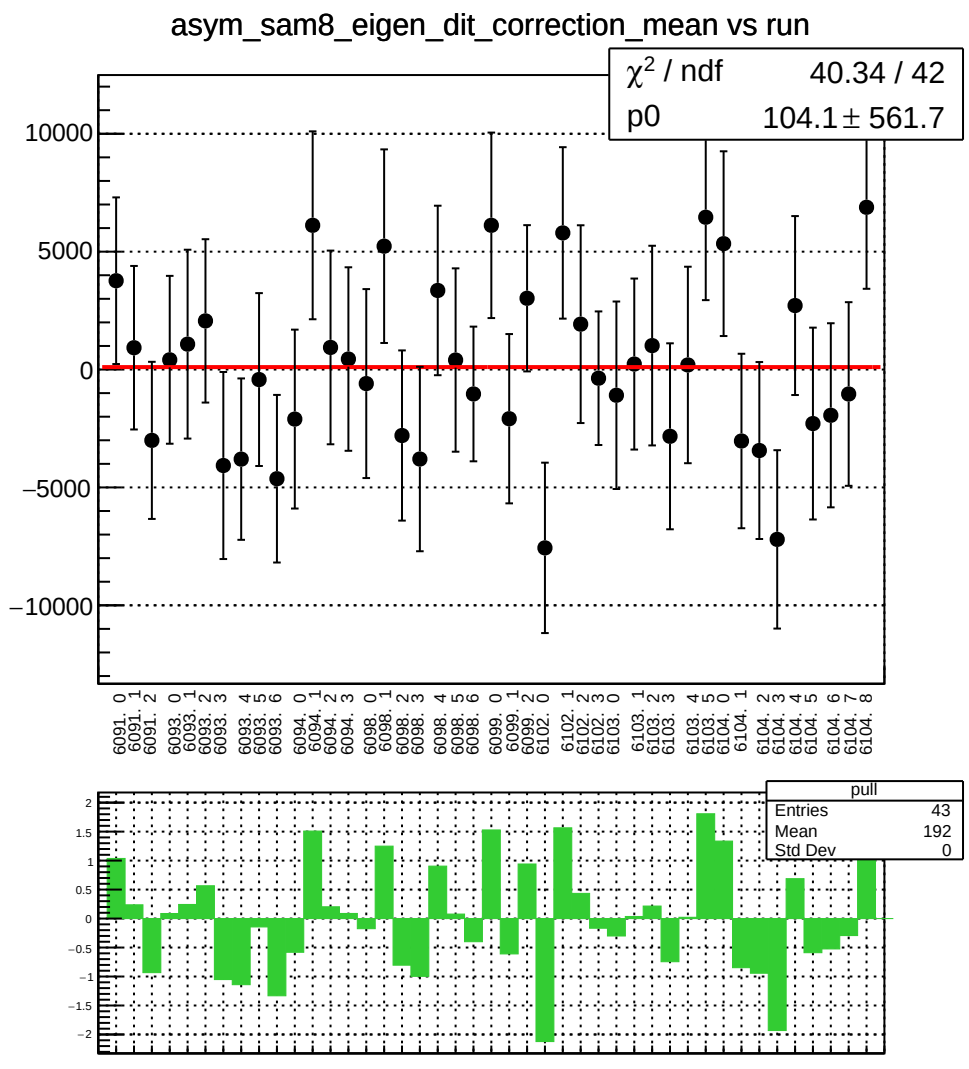

pull1D
Entries 43
Mean 0.002453
Std Dev 0.9686
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

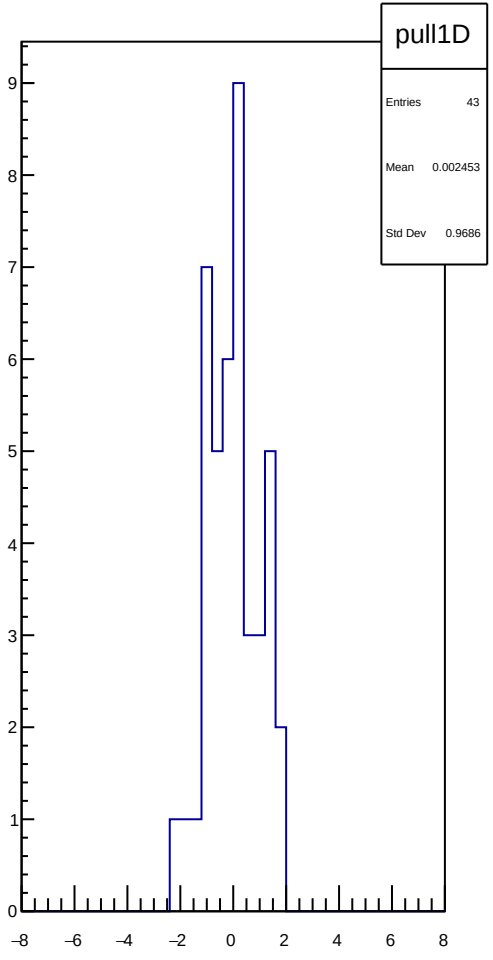

asym_sam8_dit_correction_rms vs run
χ² / ndf 2361 / 42
p0 360.8 ± 0.3972
410
400
390
380
370
360
350
340
330
320
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

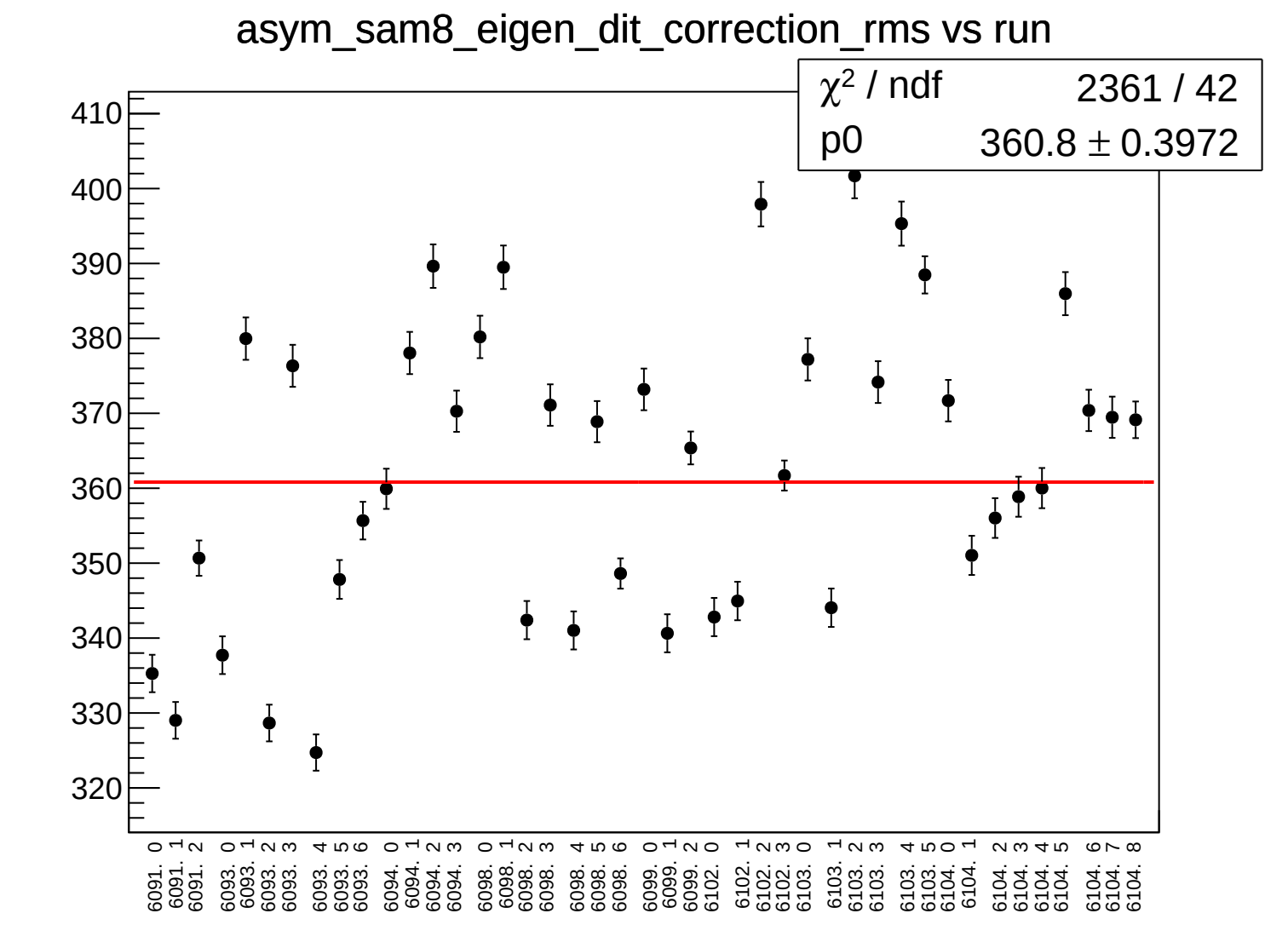

eigen_dit_asym_sam8_mean vs run
χ² / ndf 32.32 / 42
p0 −167.6 ± 100.9
2000
1500
1000
500
0
−500
−1000
−1500
−2000
−2500
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 399.3
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2

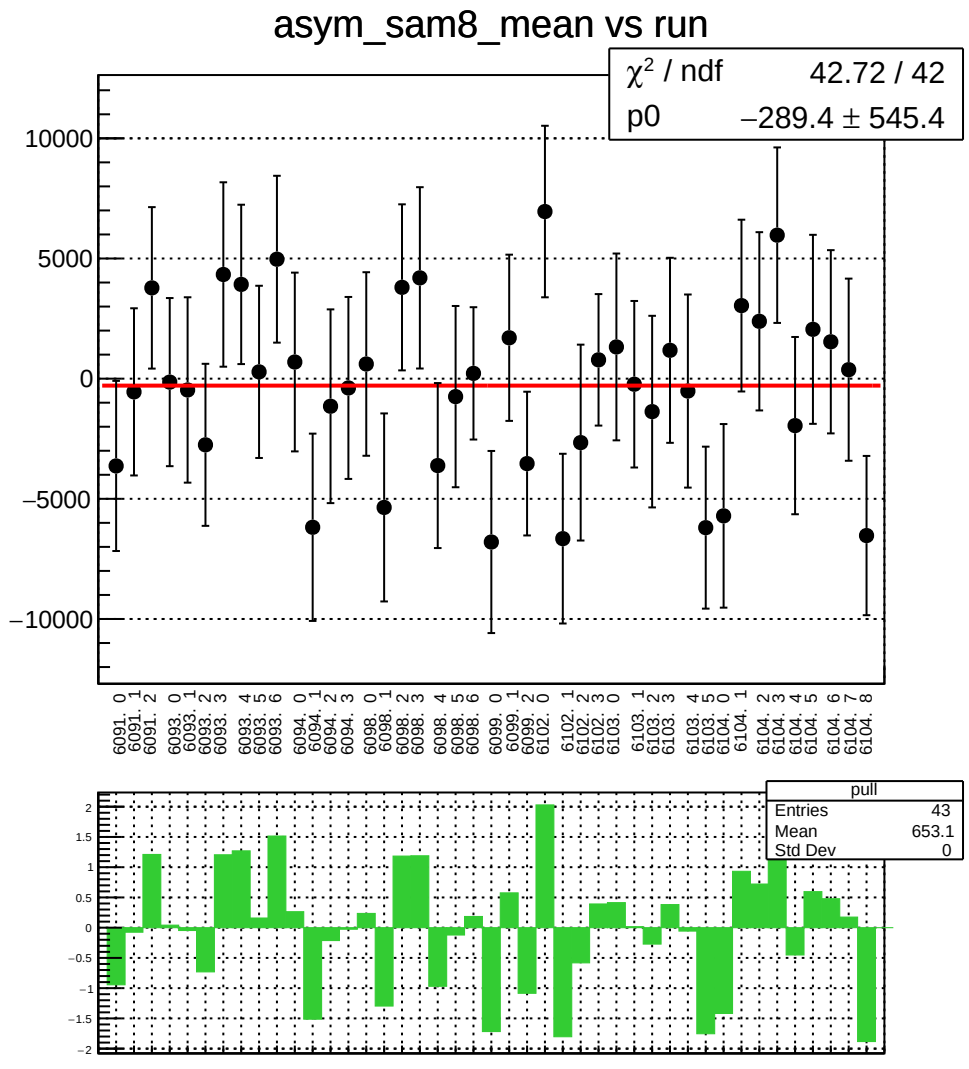

pull1D
Entries 43
Mean −0.008459
Std Dev 0.8669
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

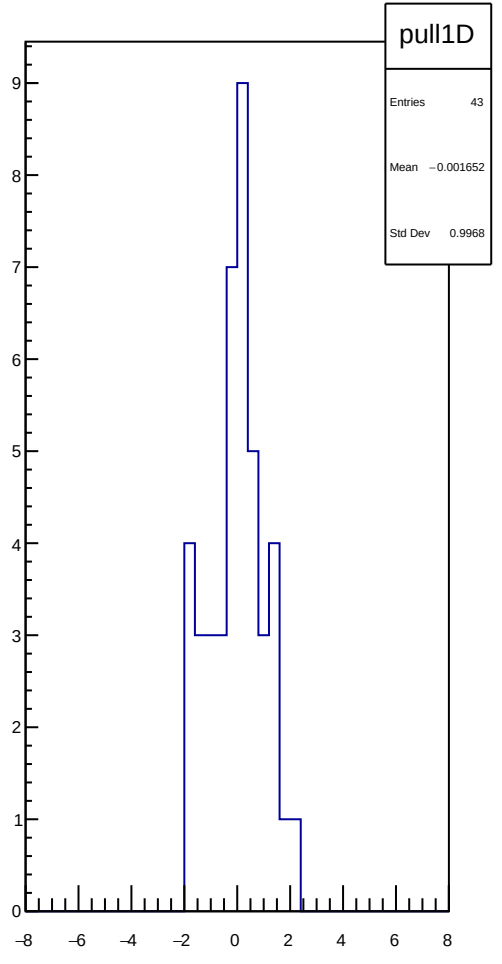

eigen_dit_asym_sam8_rms vs run
χ^2 / ndf 1614 / 42
p0 64.82 ± 0.07133
70
68
66
64
62
60
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

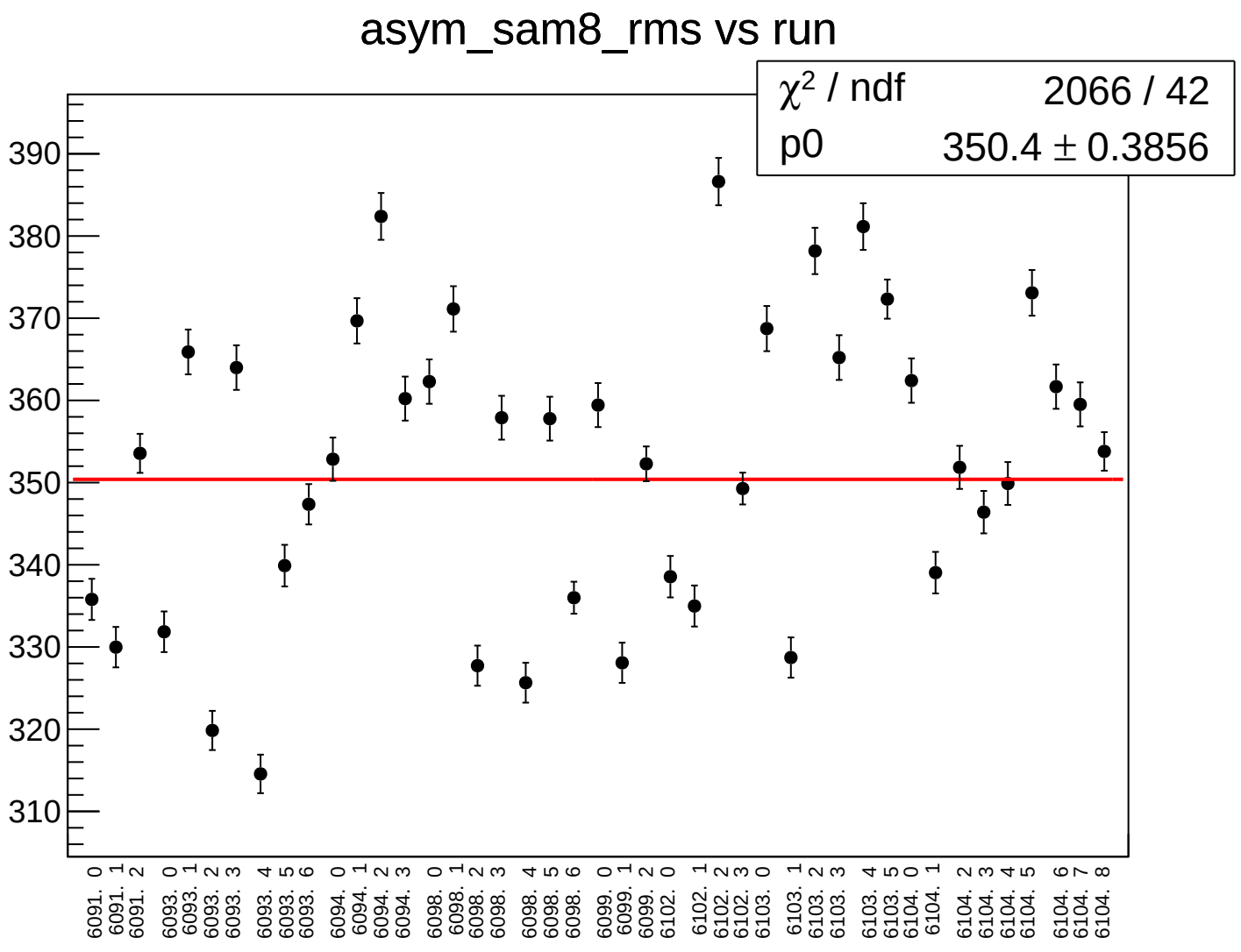

asym_sam8_eigen_dit_correction_mean vs run
χ² / ndf 40.34 / 42
p0 104.1 ± 561.7
10000
5000
0
−5000
−10000
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 192
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

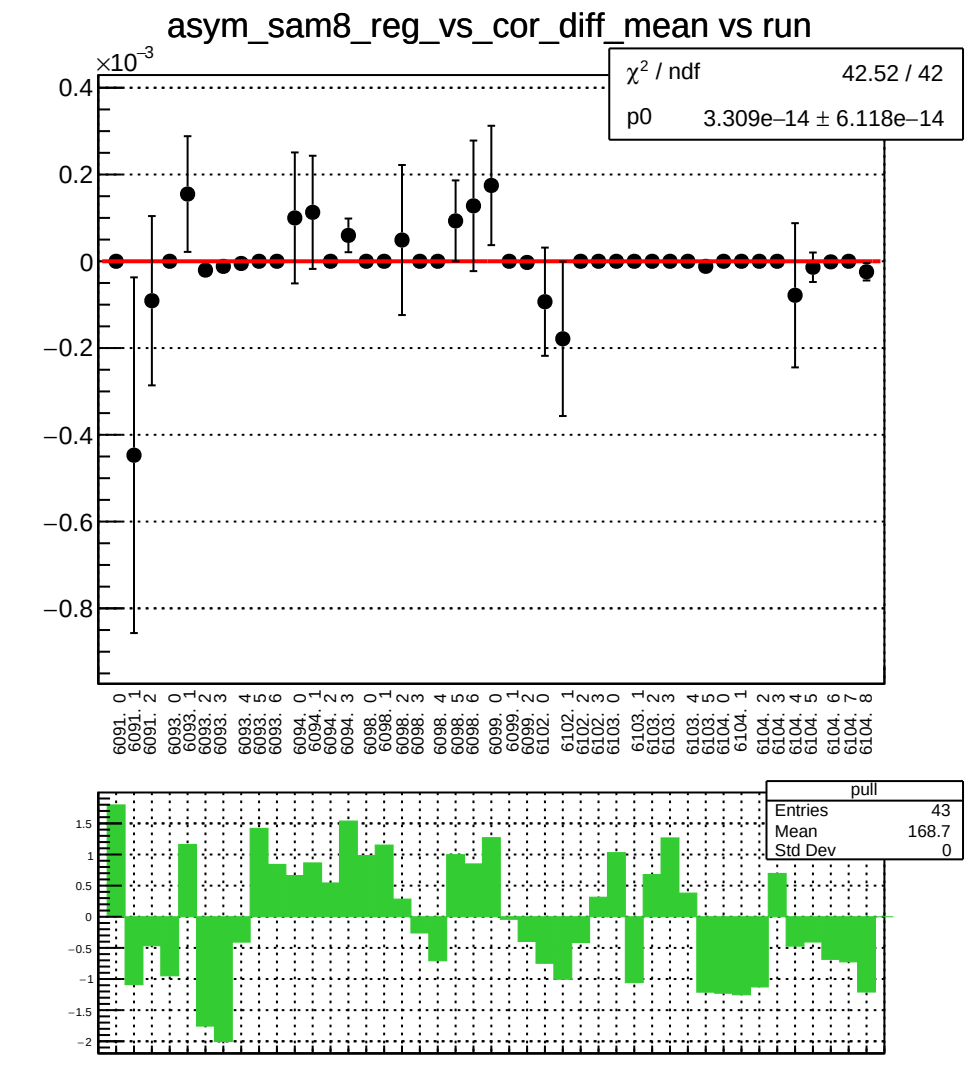

pull1D
Entries 43
Mean 0.002453
Std Dev 0.9686
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

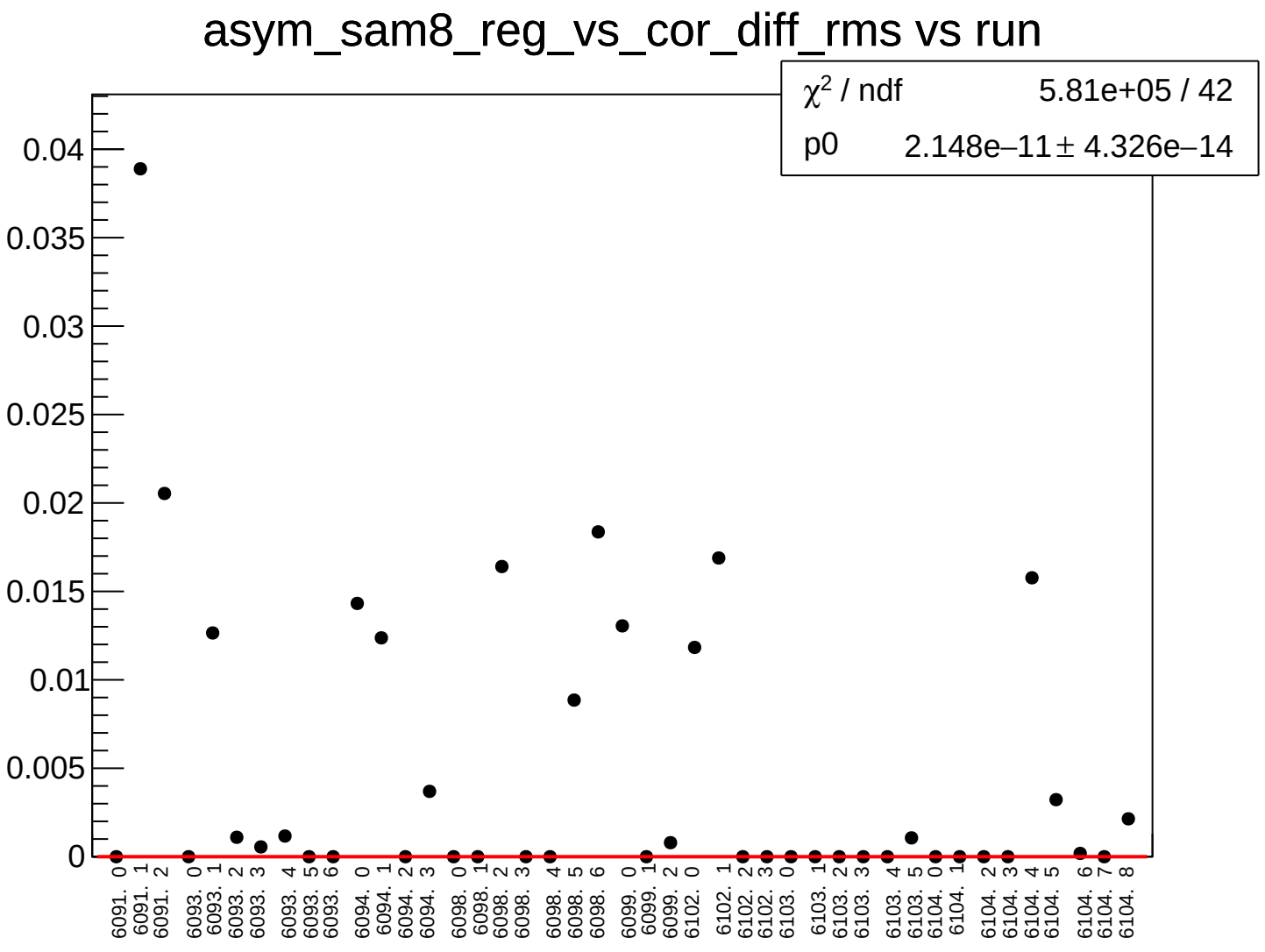

asym_sam8_eigen_dit_correction_rms vs run
χ² / ndf 2361 / 42
p0 360.8 ± 0.3972
410
400
390
380
370
360
350
340
330
320
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

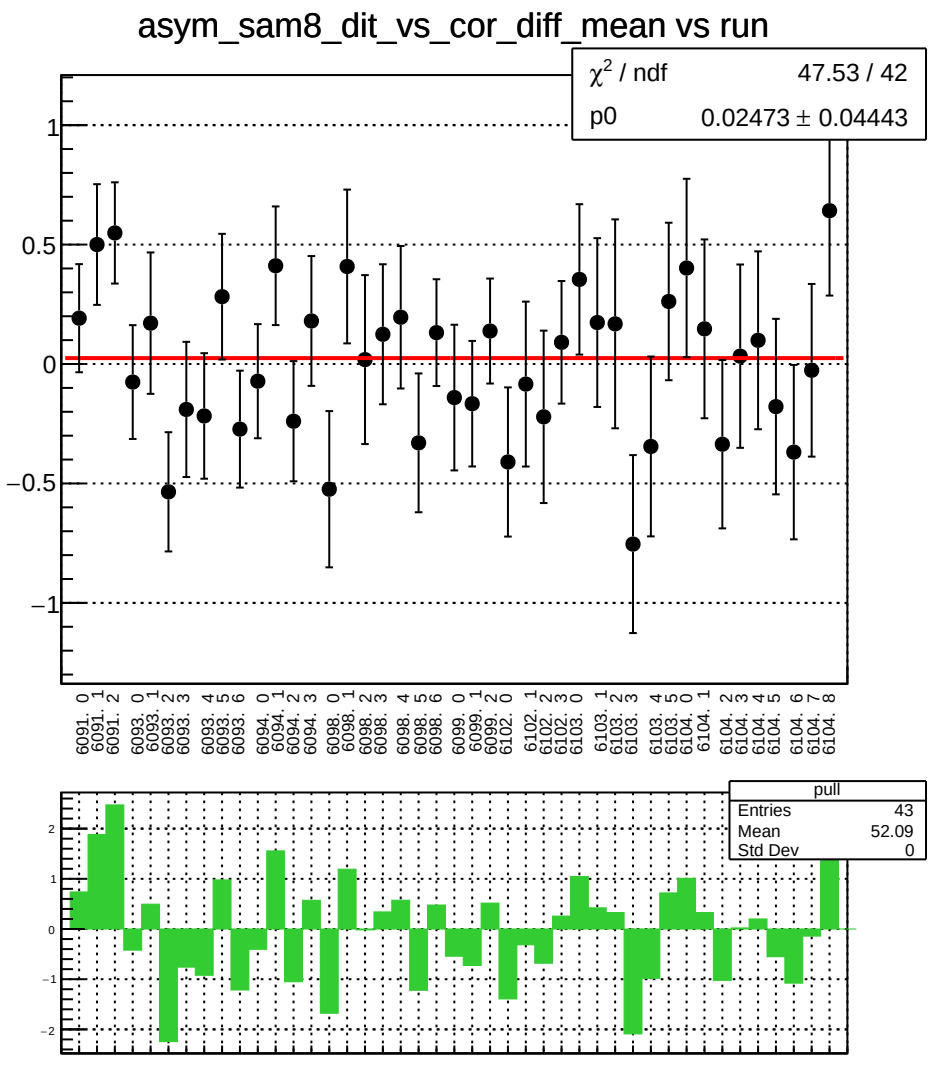

asym_sam8_mean vs run
χ² / ndf 42.72 / 42
p0 −289.4 ± 545.4
10000
5000
0
−5000
−10000
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 653.1
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

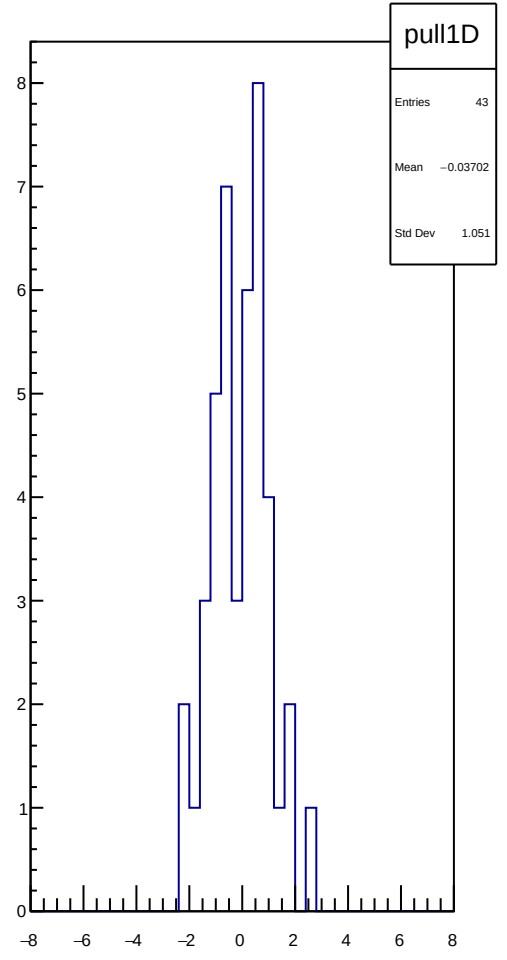

pull1D
Entries 43
Mean −0.001652
Std Dev 0.9968
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

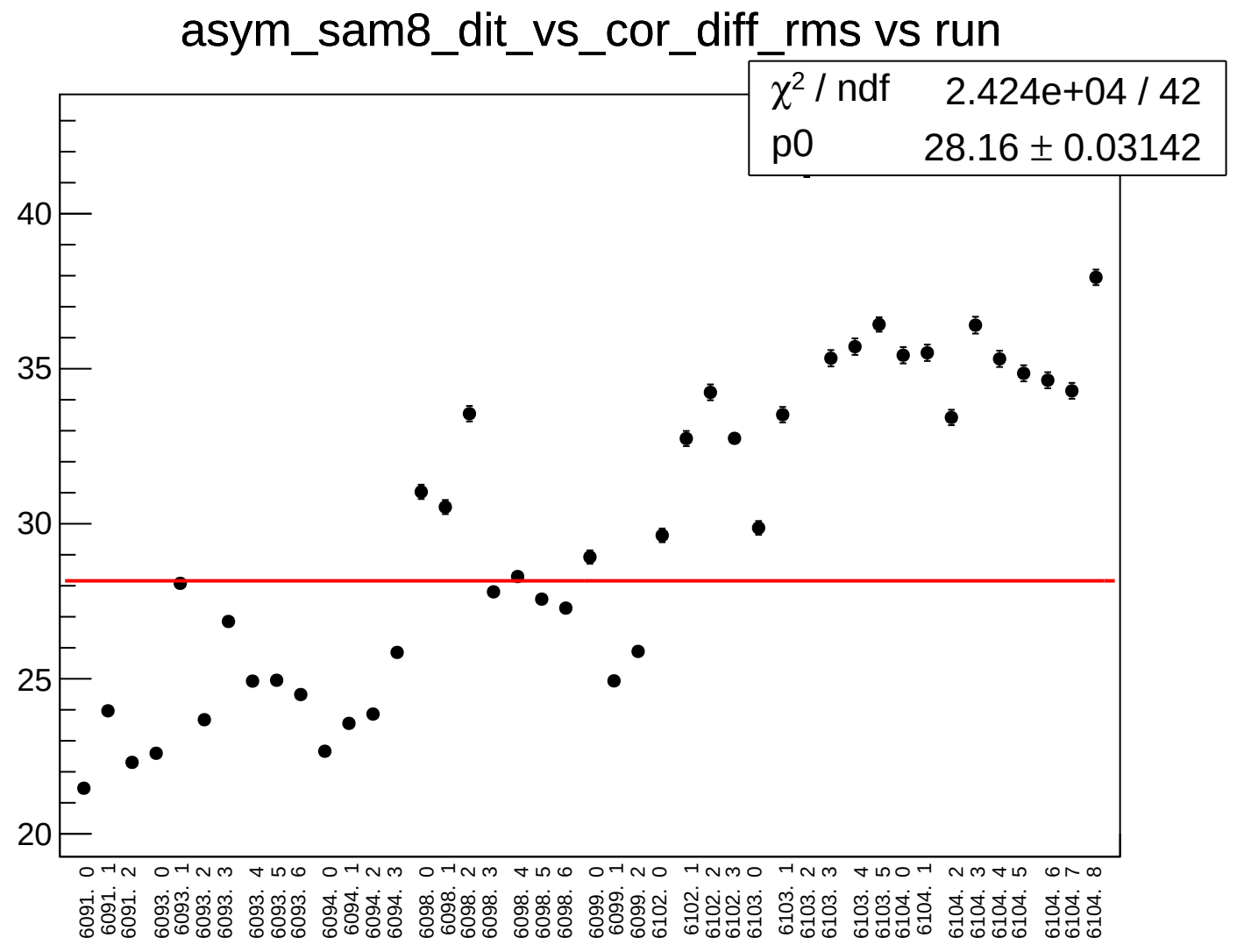

asym_sam8_rms vs run
χ^2 / ndf 2066 / 42
p0 350.4 ± 0.3856
390
380
370
360
350
340
330
320
310
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

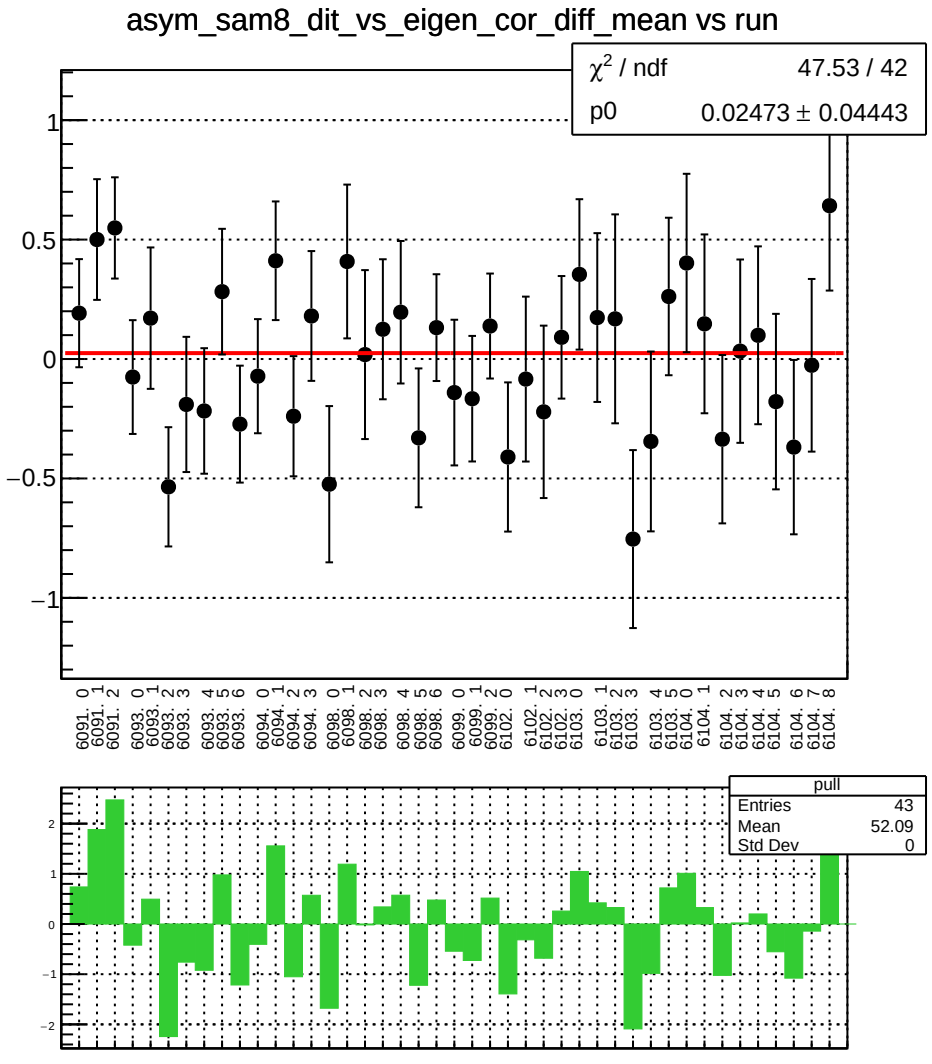

asym_sam8_reg_vs_cor_diff_mean vs run
×10⁻³
χ² / ndf 42.52 / 42
p0 3.309e−14 ± 6.118e−14
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 168.7
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 43
Mean −0.02055
Std Dev 0.9942
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

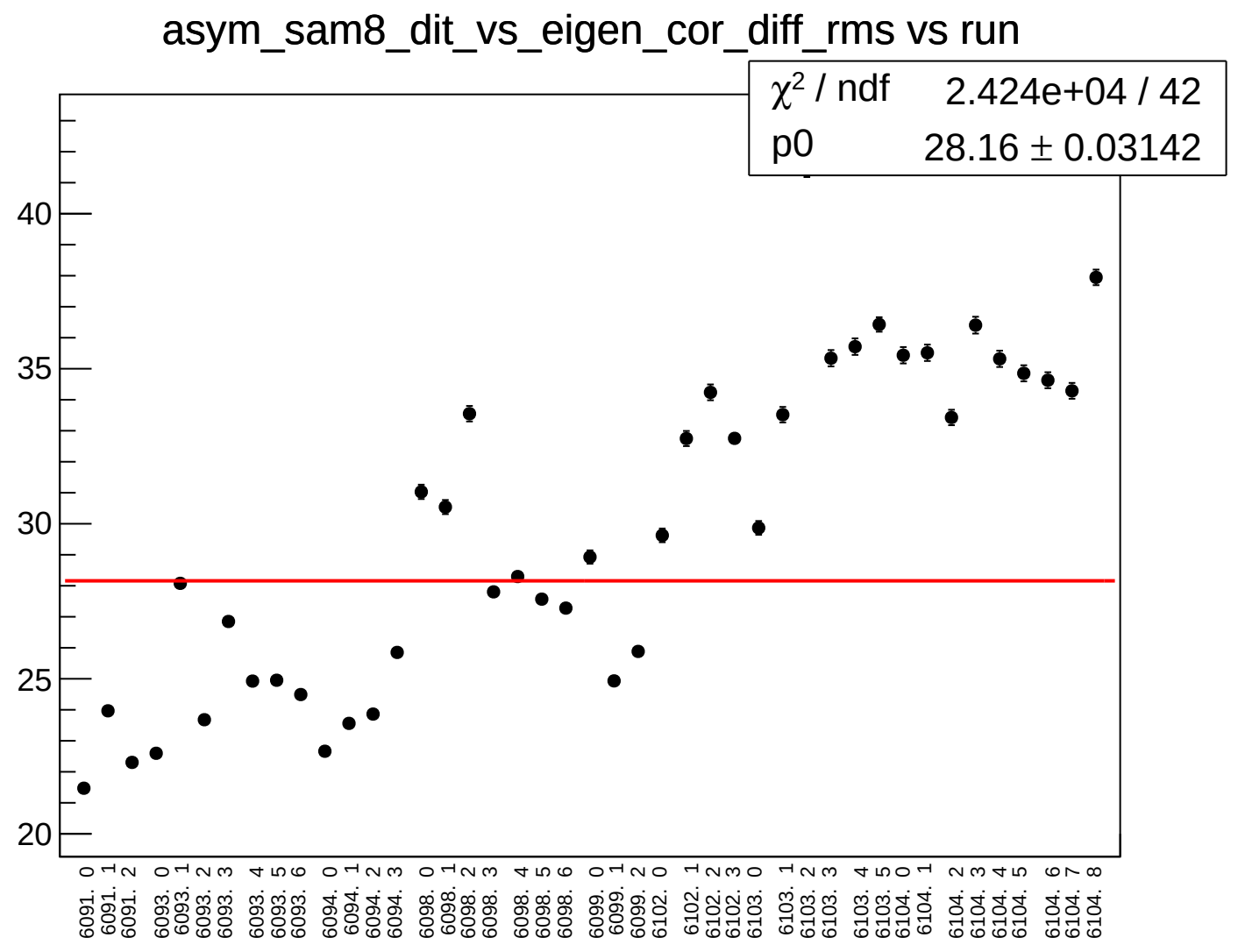

asym_sam8_reg_vs_cor_diff_rms vs run
χ² / ndf 5.81e+05 / 42
p0 2.148e−11 ± 4.326e−14
0.04
0.035
0.03
0.025
0.02
0.015
0.01
0.005
0
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

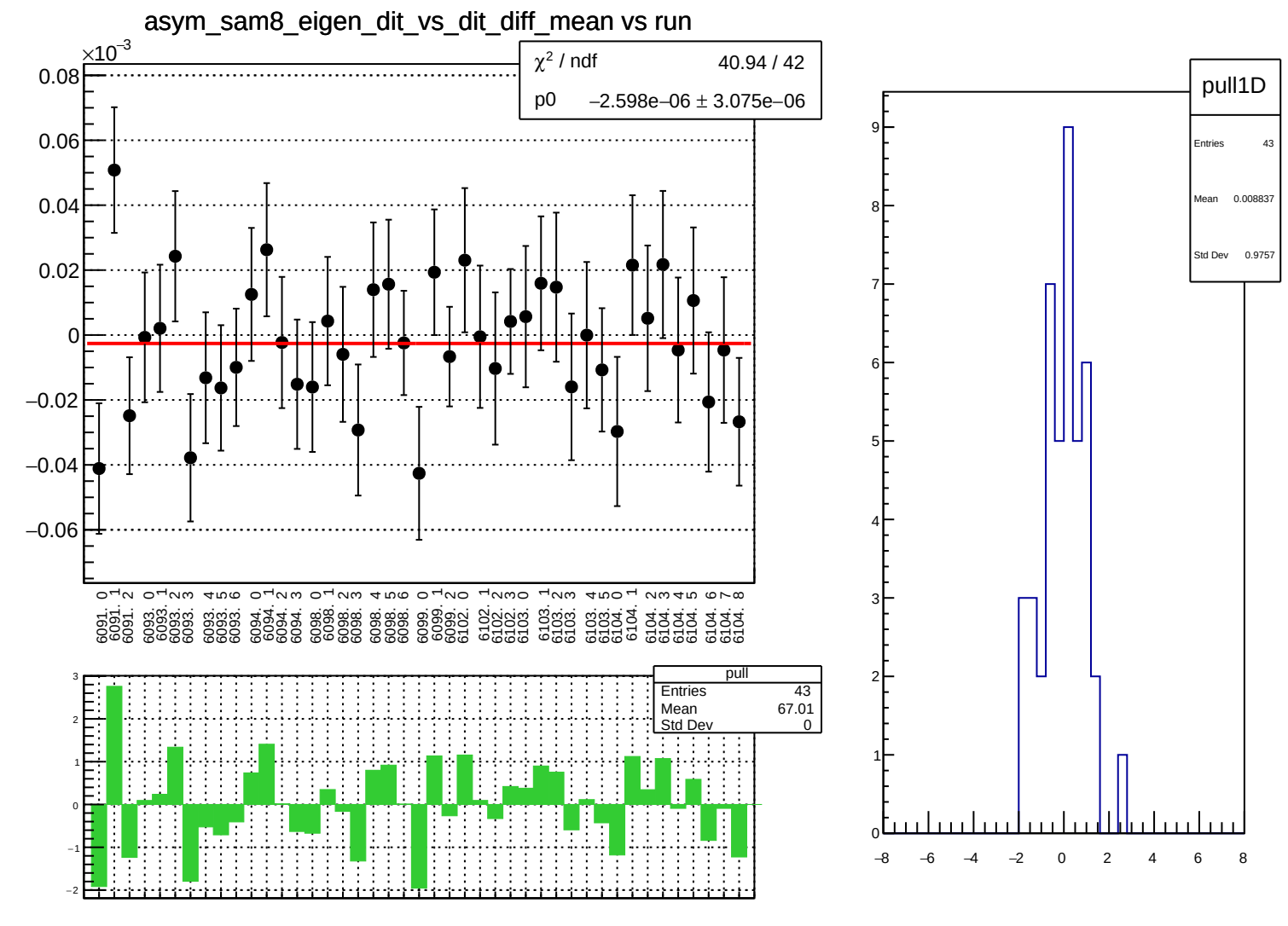

asym_sam8_dit_vs_cor_diff_mean vs run
χ² / ndf 47.53 / 42
p0 0.02473 ± 0.04443
1
0.5
0
−0.5
−1
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 52.09
Std Dev 0
2
1
0
−1
−2

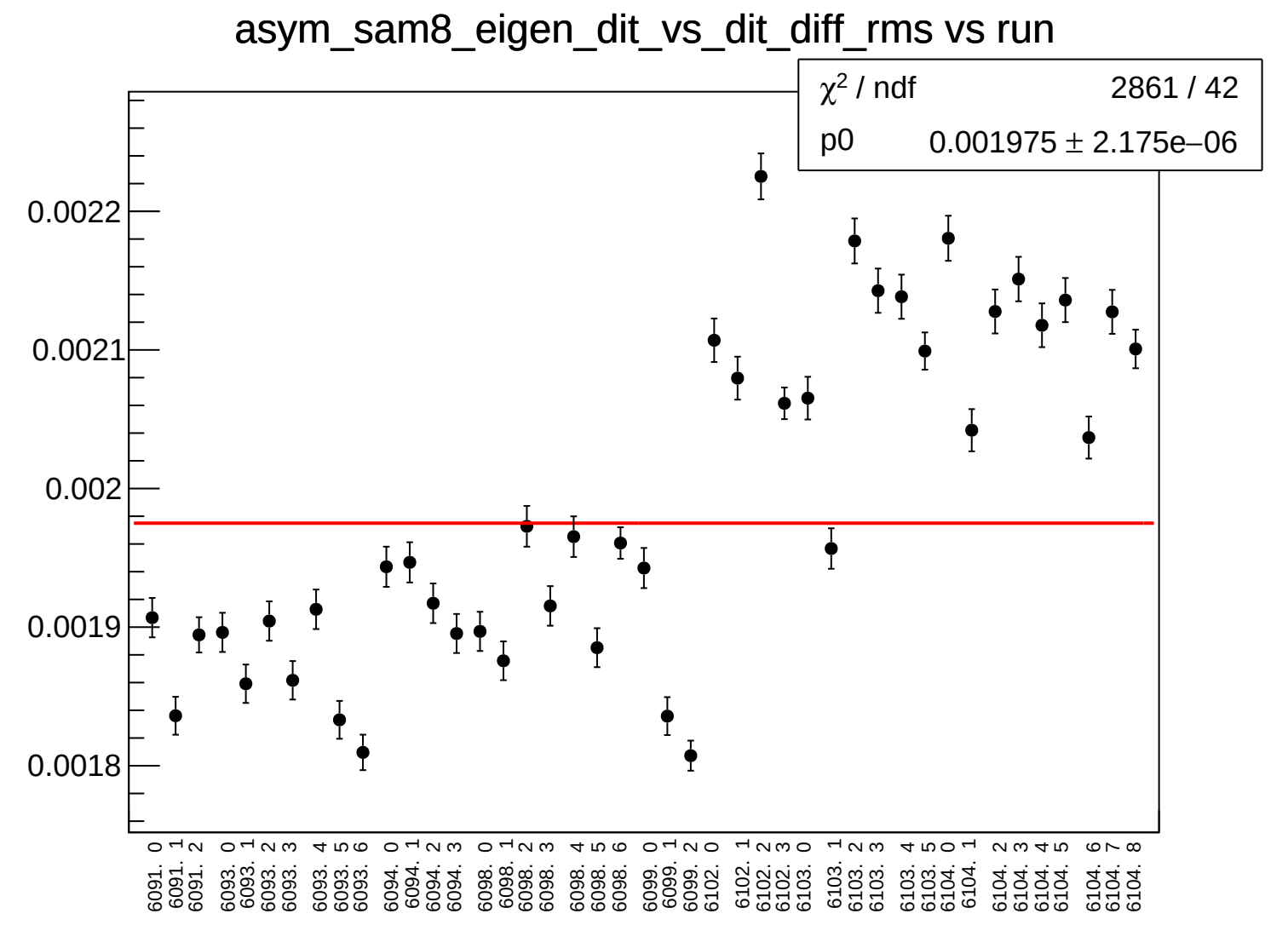

pull1D
Entries 43
Mean −0.03702
Std Dev 1.051
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

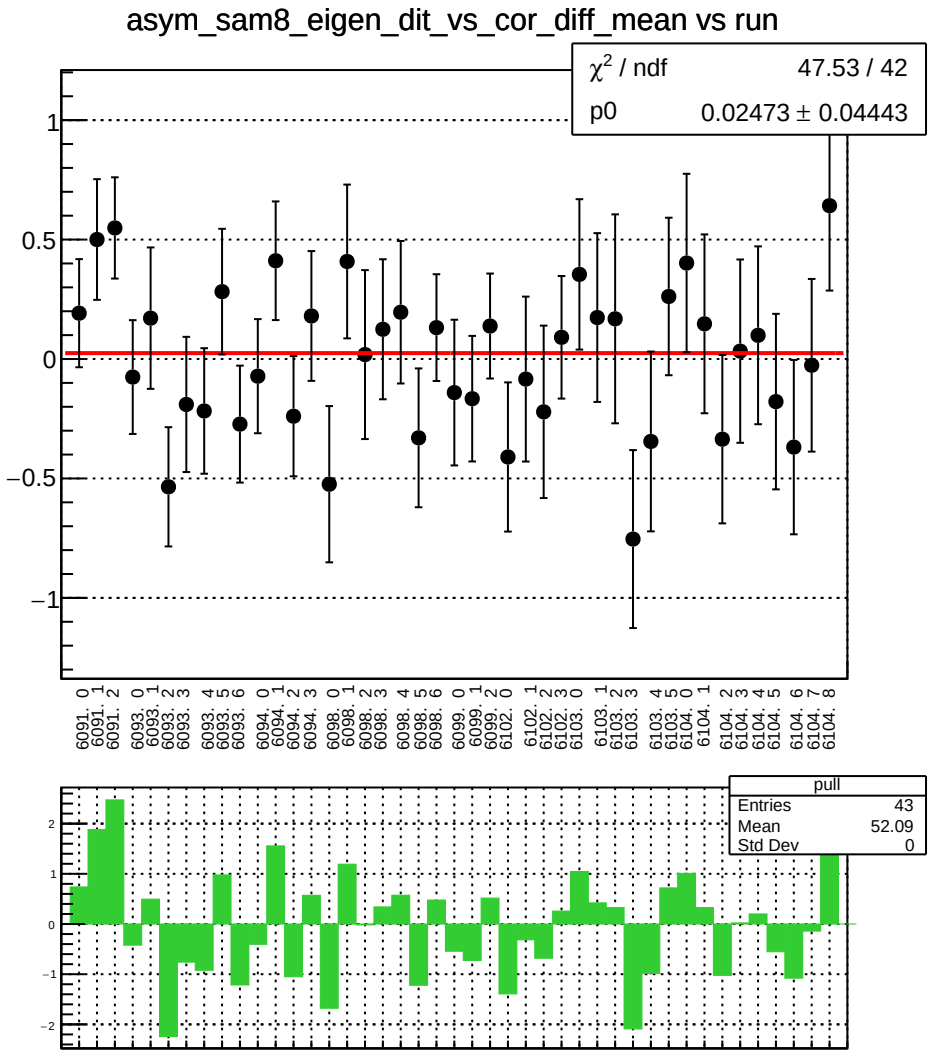

asym_sam8_dit_vs_cor_diff_rms vs run
χ² / ndf 2.424e+04 / 42
p0 28.16 ± 0.03142
40
35
30
25
20
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

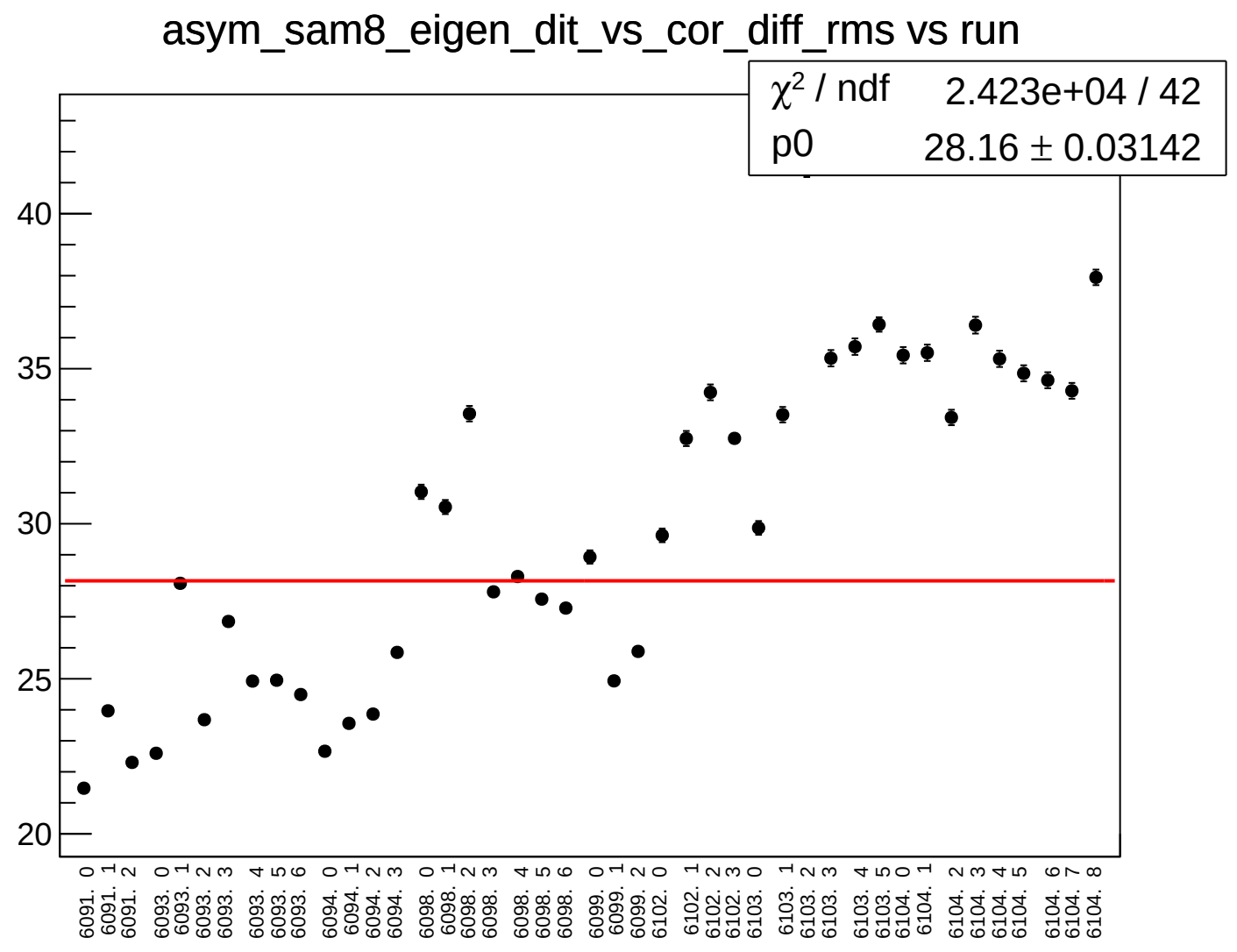

asym_sam8_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 47.53 / 42
p0 0.02473 ± 0.04443
pull
Entries 43
Mean 52.09
Std Dev 0
pull1D
Entries 43
Mean −0.03702
Std Dev 1.051

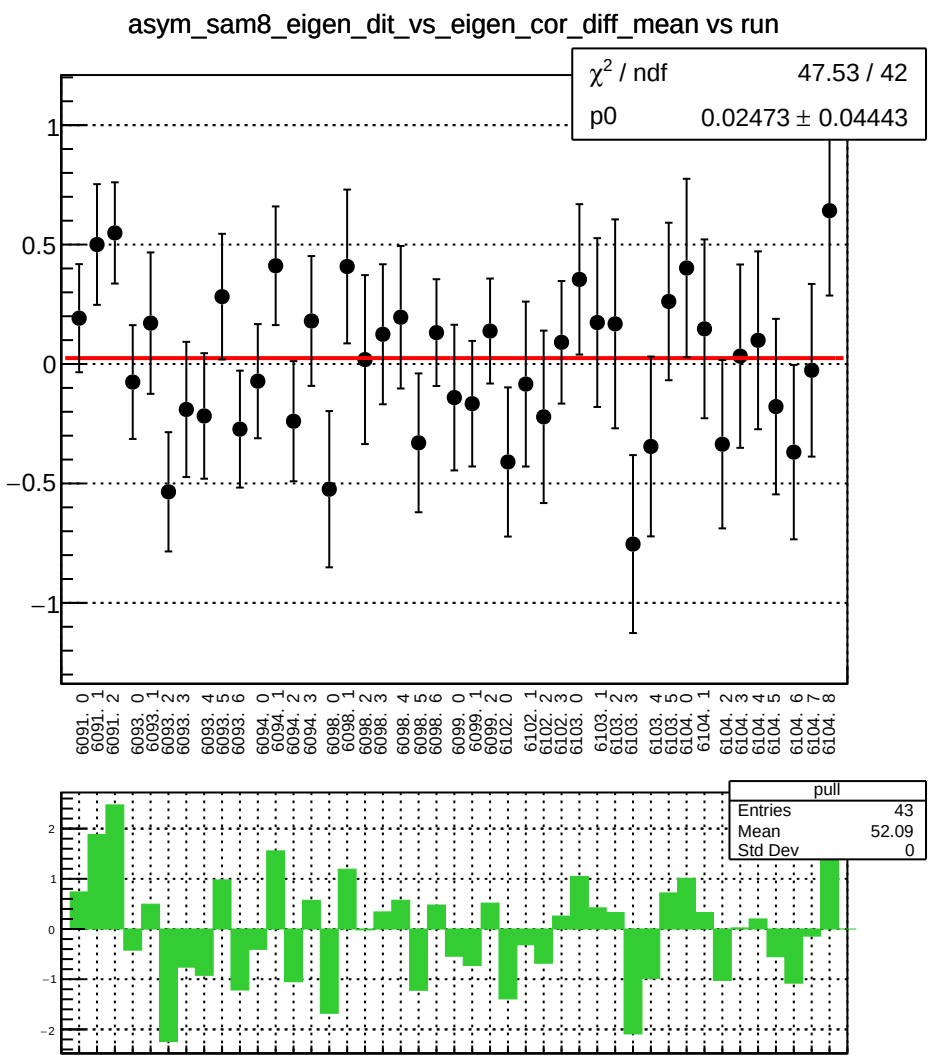

asym_sam8_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 2.424e+04 / 42
p0 28.16 ± 0.03142
40
35
30
25
20
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

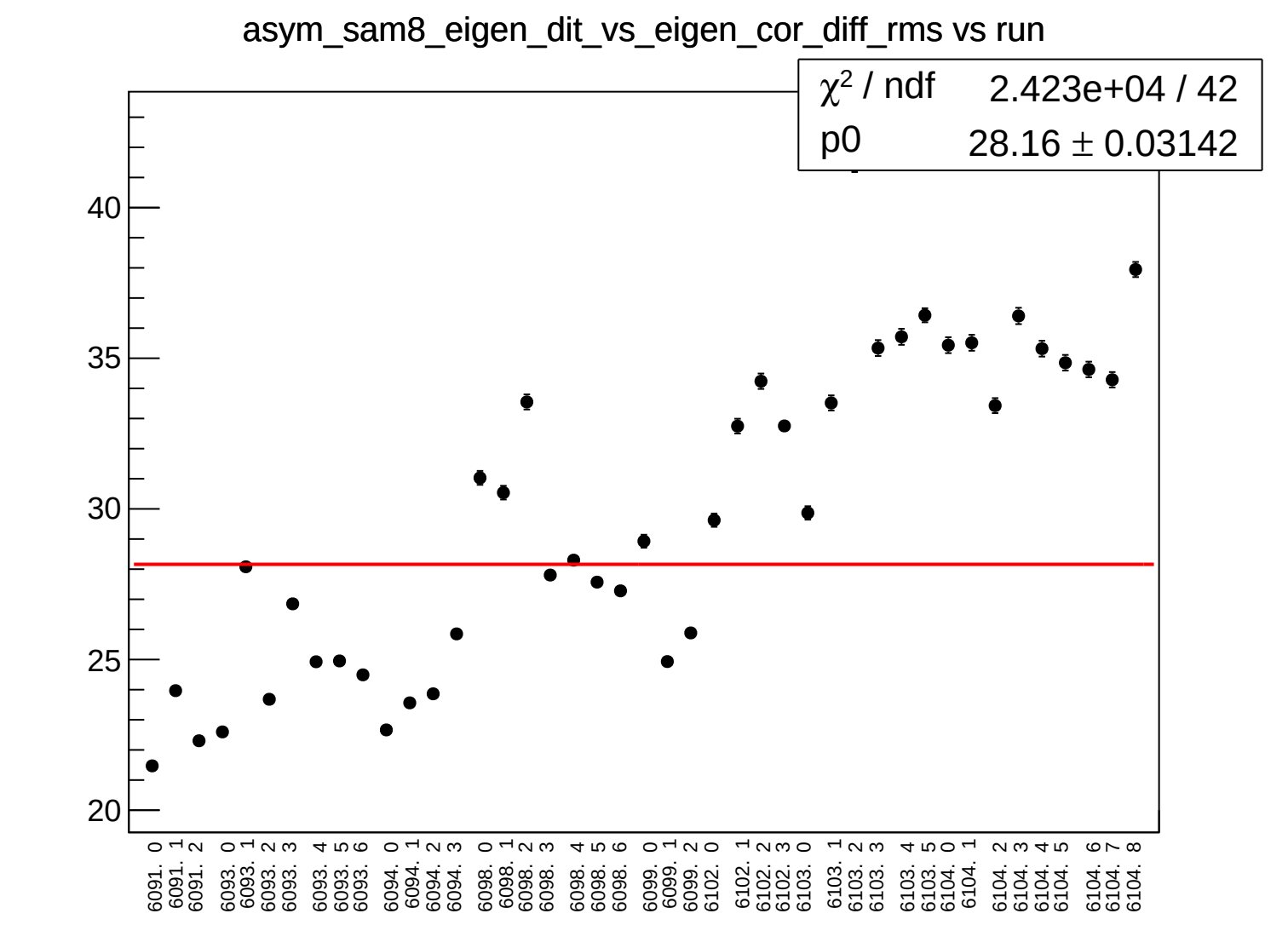

asym_sam8_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 40.94 / 42
p0 −2.598e−06 ± 3.075e−06
0.08
0.06
0.04
0.02
0
−0.02
−0.04
−0.06
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 67.01
Std Dev 0
3
2
1
0
−1
−2
pull1D
Entries 43
Mean 0.008837
Std Dev 0.9757
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

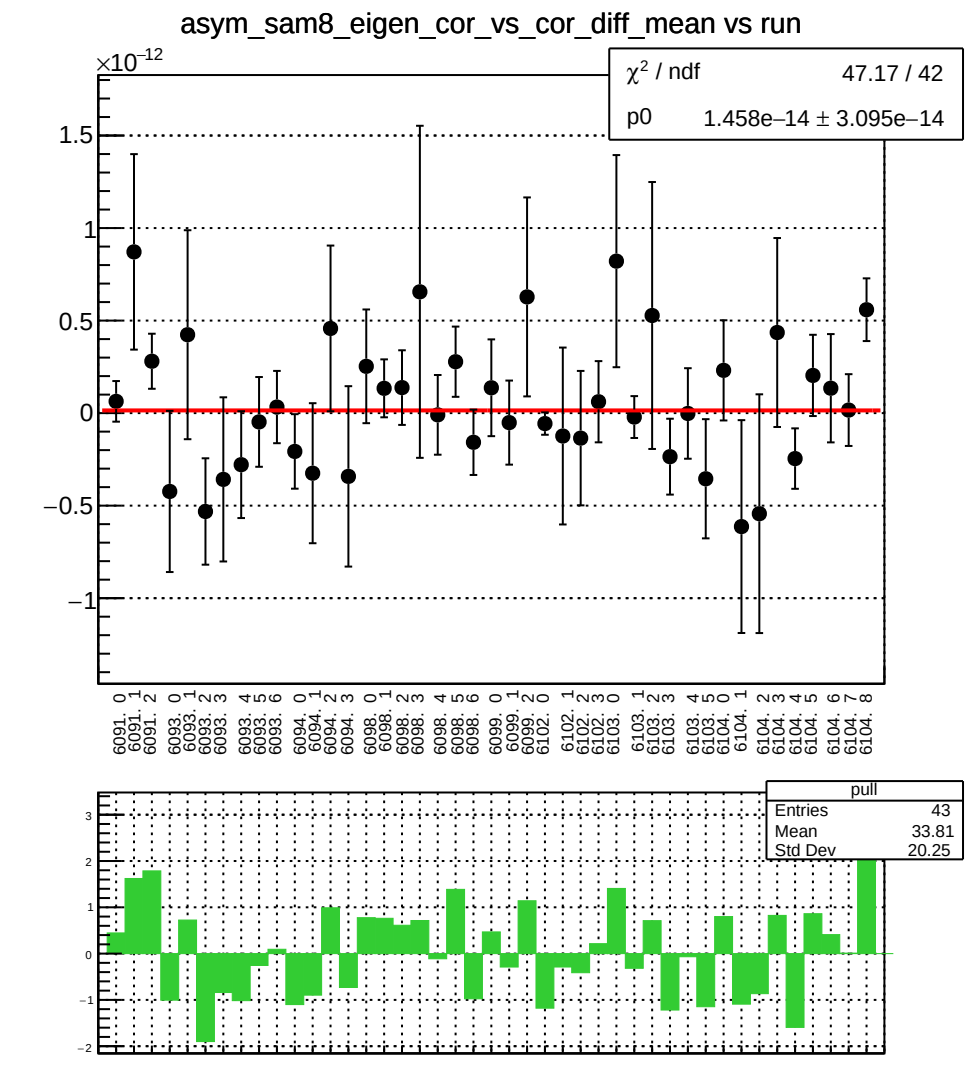

asym_sam8_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 2861 / 42
p0 0.001975 ± 2.175e−06
0.0022
0.0021
0.002
0.0019
0.0018
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

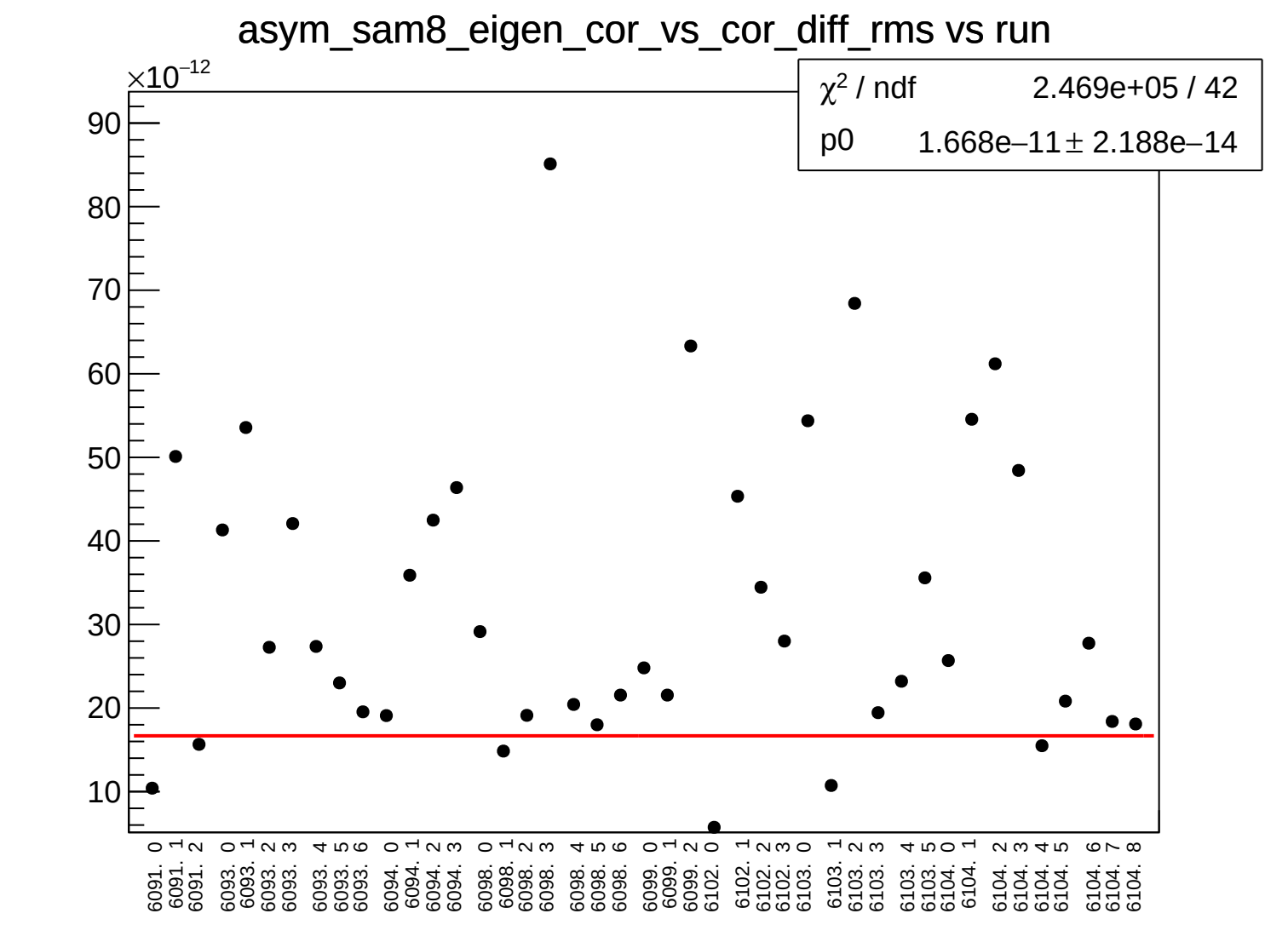

asym_sam8_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 47.53 / 42
p0 0.02473 ± 0.04443
pull
Entries 43
Mean 52.09
Std Dev 0
pull1D
Entries 43
Mean −0.03702
Std Dev 1.051

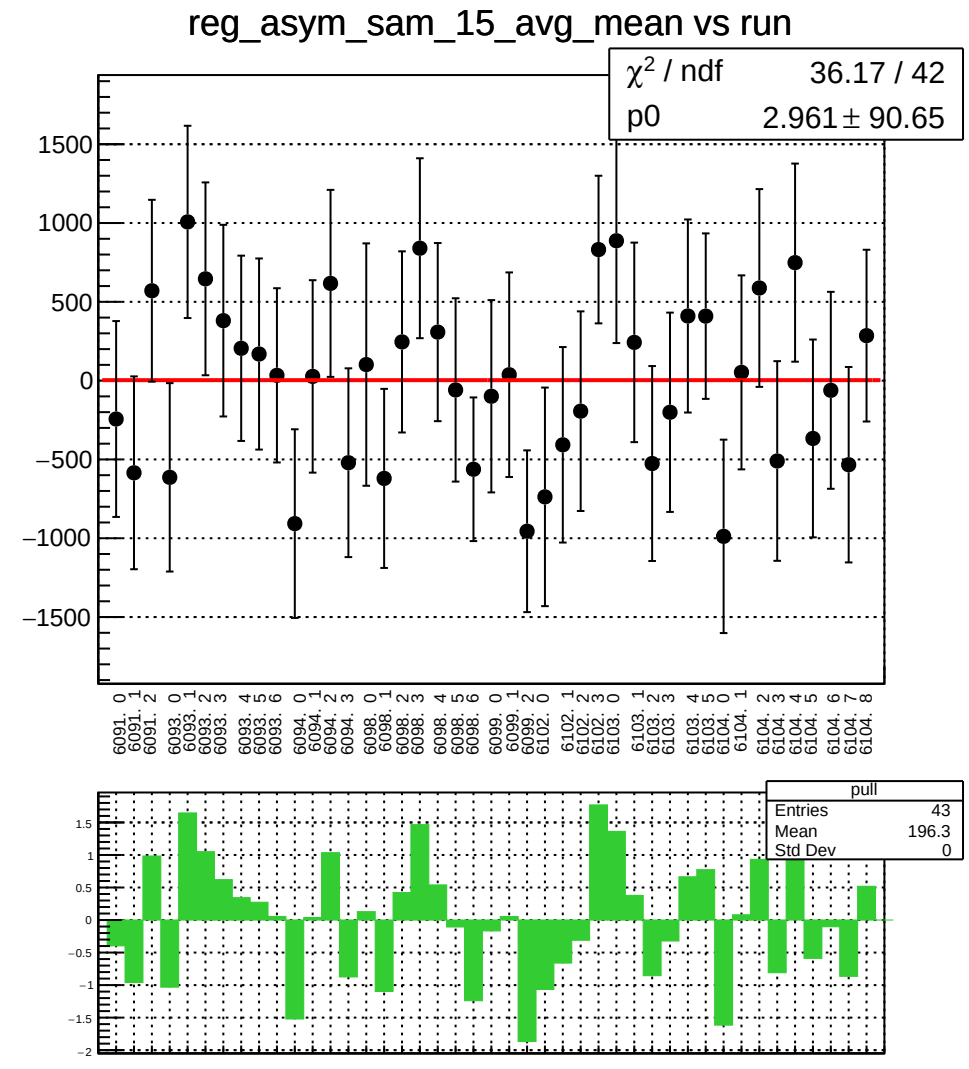

asym_sam8_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 2.423e+04 / 42
p0 28.16 ± 0.03142
40
35
30
25
20
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

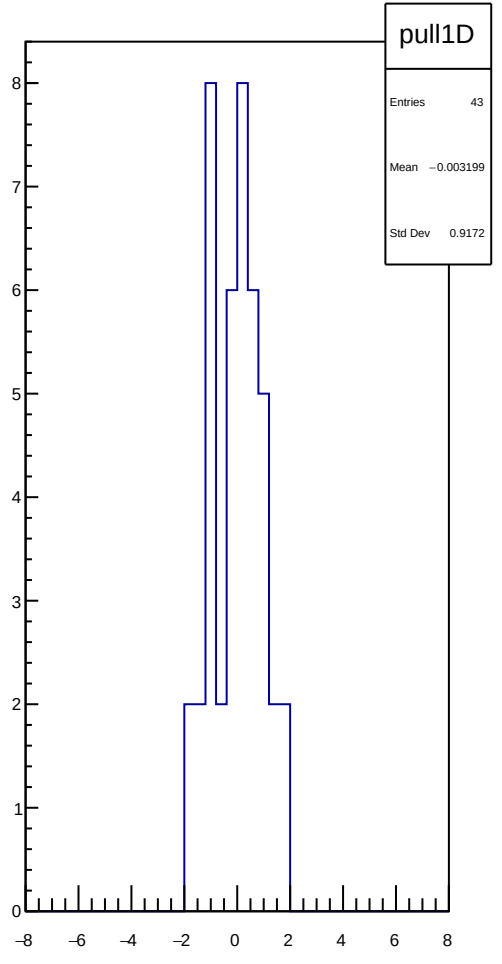

asym_sam8_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 47.53 / 42
p0 0.02473 ± 0.04443
pull
Entries 43
Mean 52.09
Std Dev 0
pull1D
Entries 43
Mean −0.03702
Std Dev 1.051

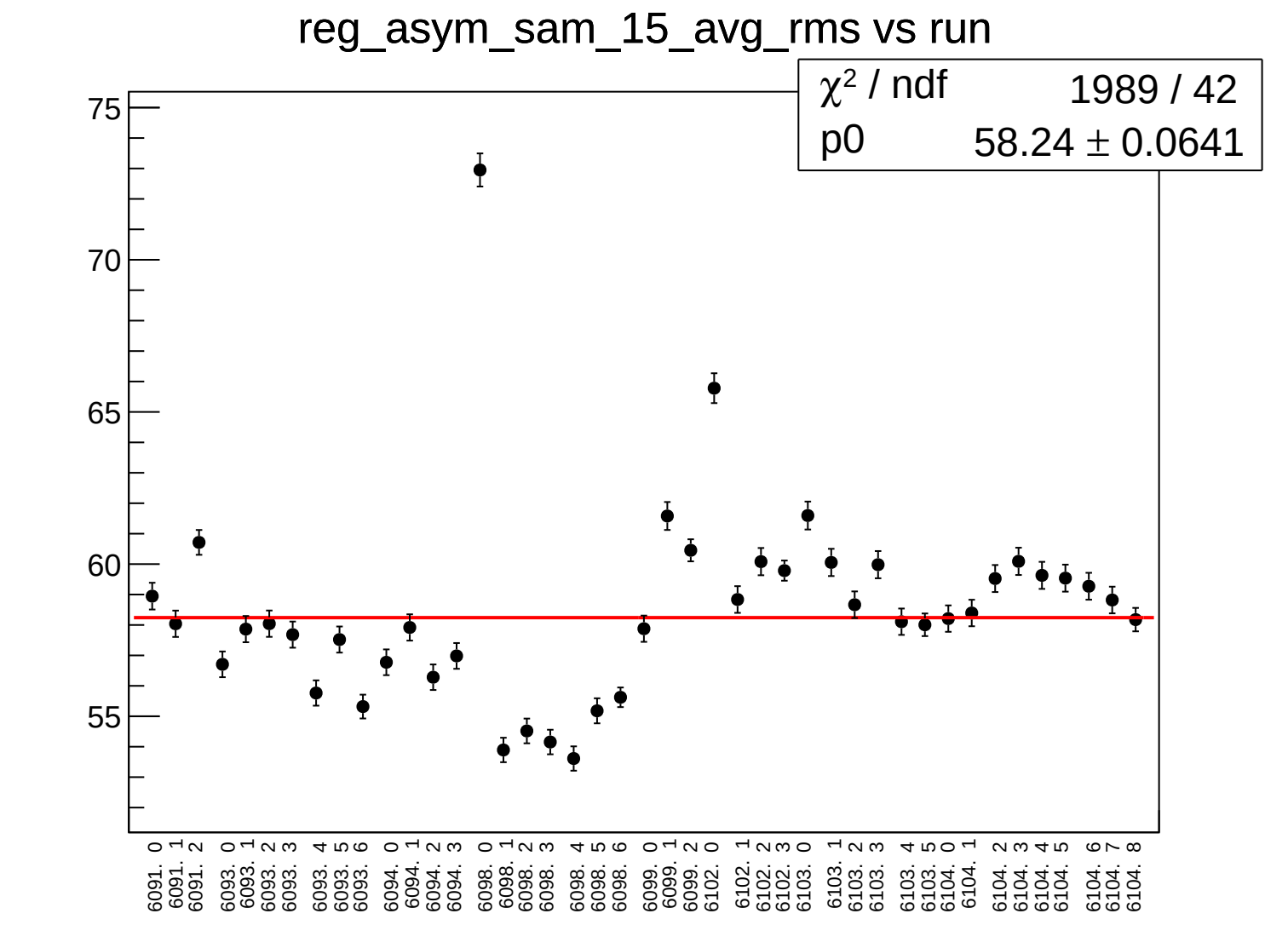

asym_sam8_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 2.423e+04 / 42
p0 28.16 ± 0.03142
40
35
30
25
20
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

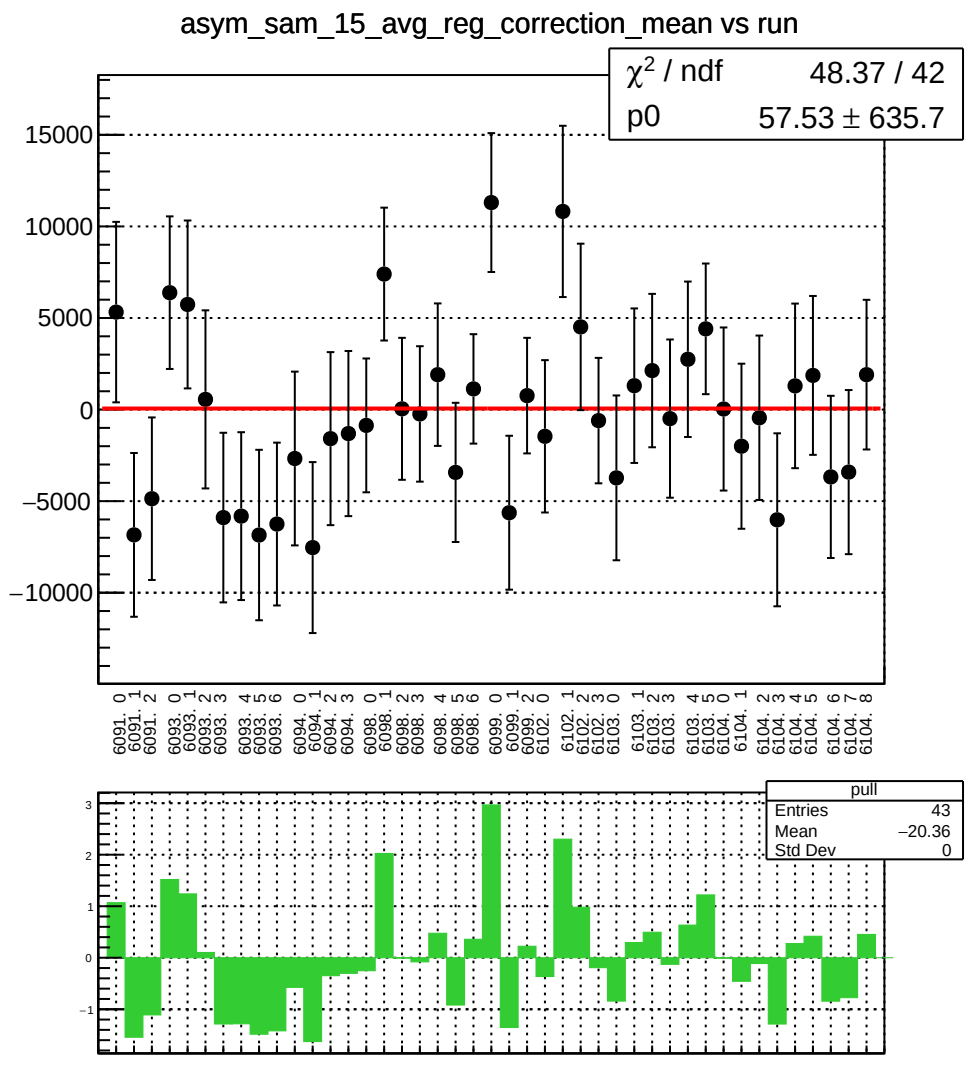

asym_sam8_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 47.17 / 42
p0 1.458e−14 ± 3.095e−14
1.5
1
0.5
0
−0.5
−1
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 33.81
Std Dev 20.25
3
2
1
0
−1
−2
pull1D
Entries 43
Mean 0.06205
Std Dev 1.046
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

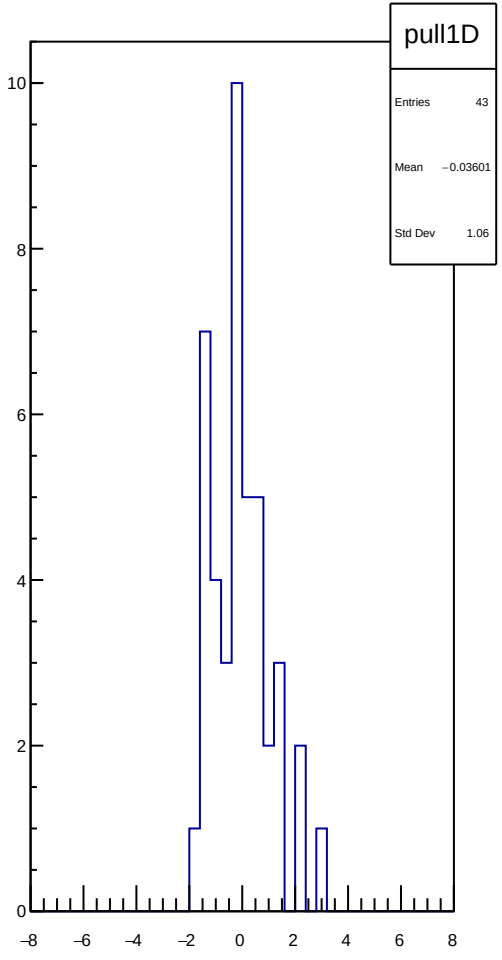

asym_sam8_eigen_cor_vs_cor_diff_rms vs run
×10^−12
χ² / ndf 2.469e+05 / 42
p0 1.668e−11 ± 2.188e−14
90
80
70
60
50
40
30
20
10
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

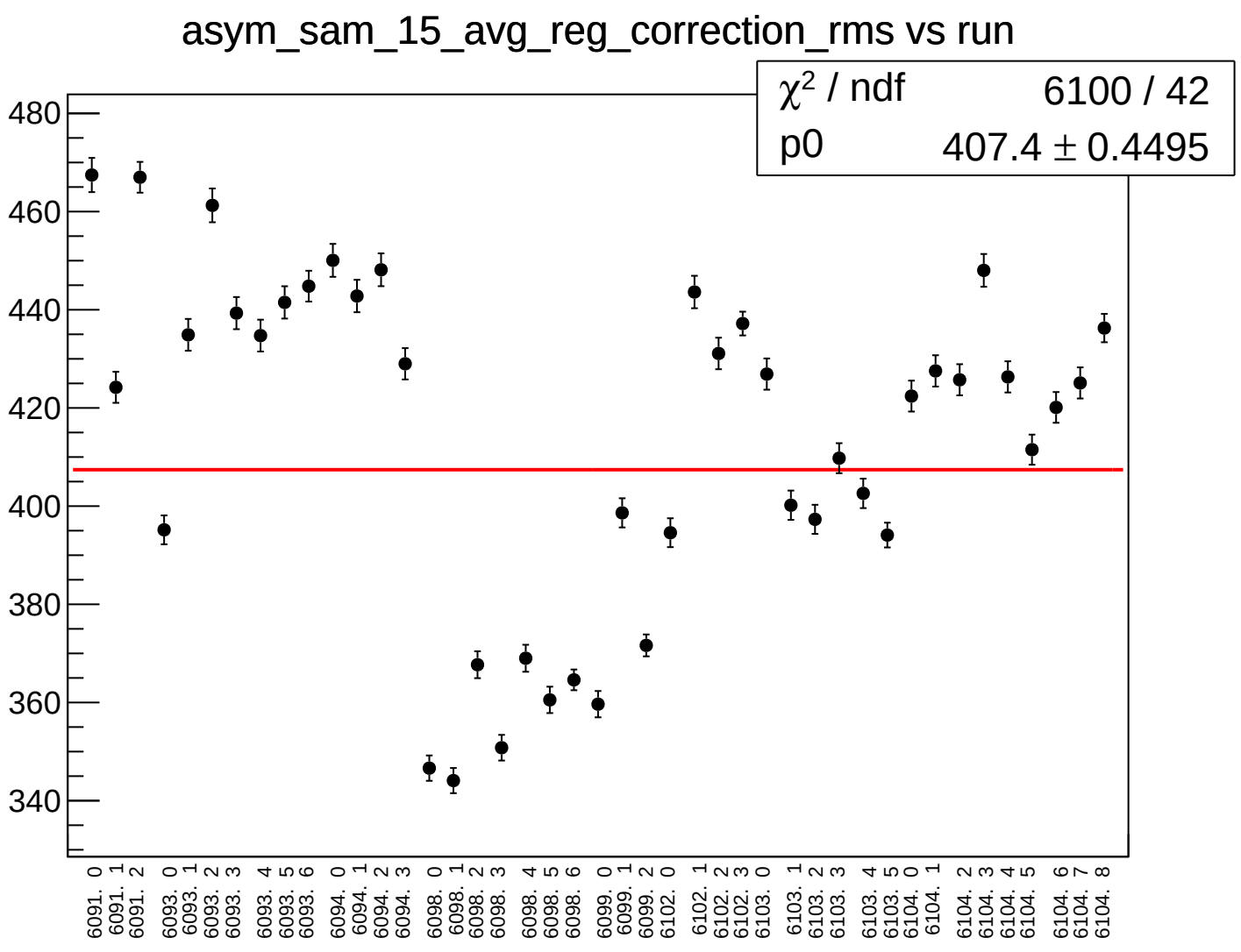

reg_asym_sam_15_avg_mean vs run
χ² / ndf 36.17 / 42
p0 2.961 ± 90.65
1500
1000
500
0
−500
−1000
−1500
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 196.3
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2

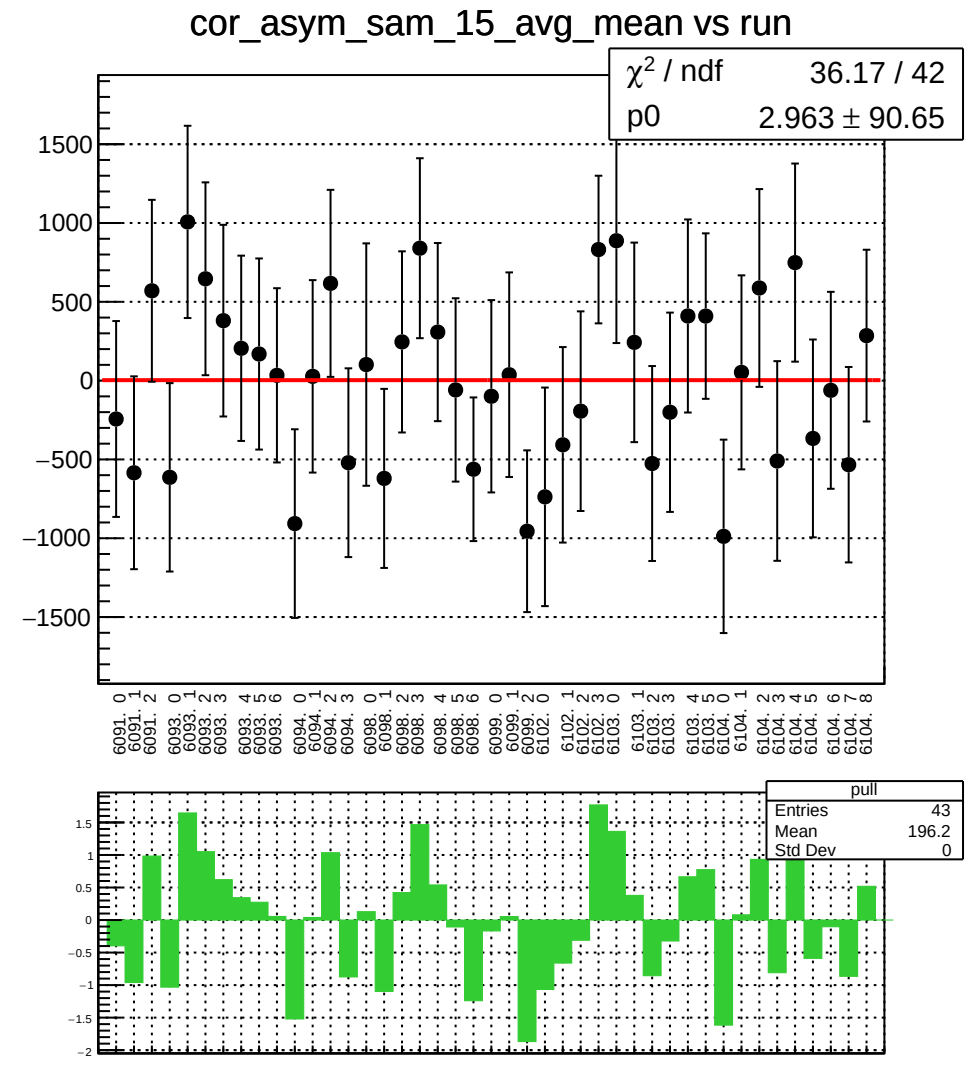

pull1D
Entries 43
Mean −0.003199
Std Dev 0.9172
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

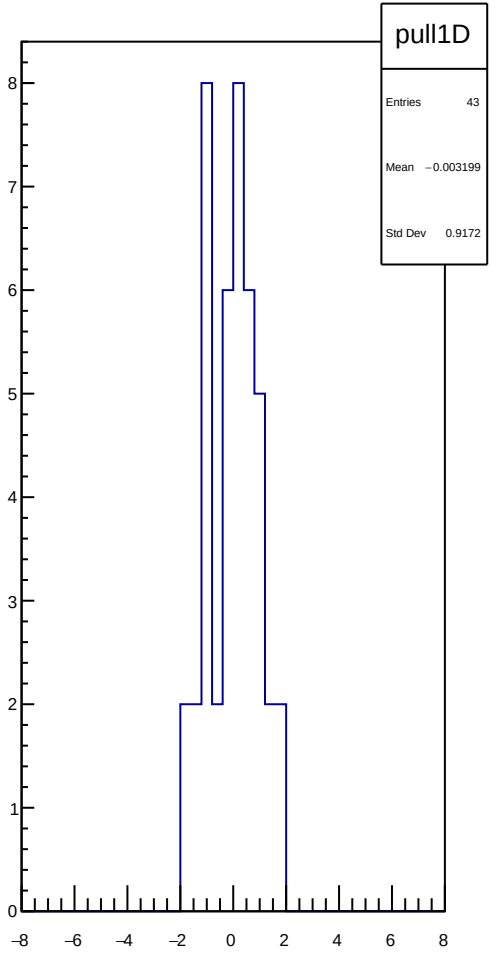

reg_asym_sam_15_avg_rms vs run
χ² / ndf 1989 / 42
p0 58.24 ± 0.0641
75
70
65
60
55
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

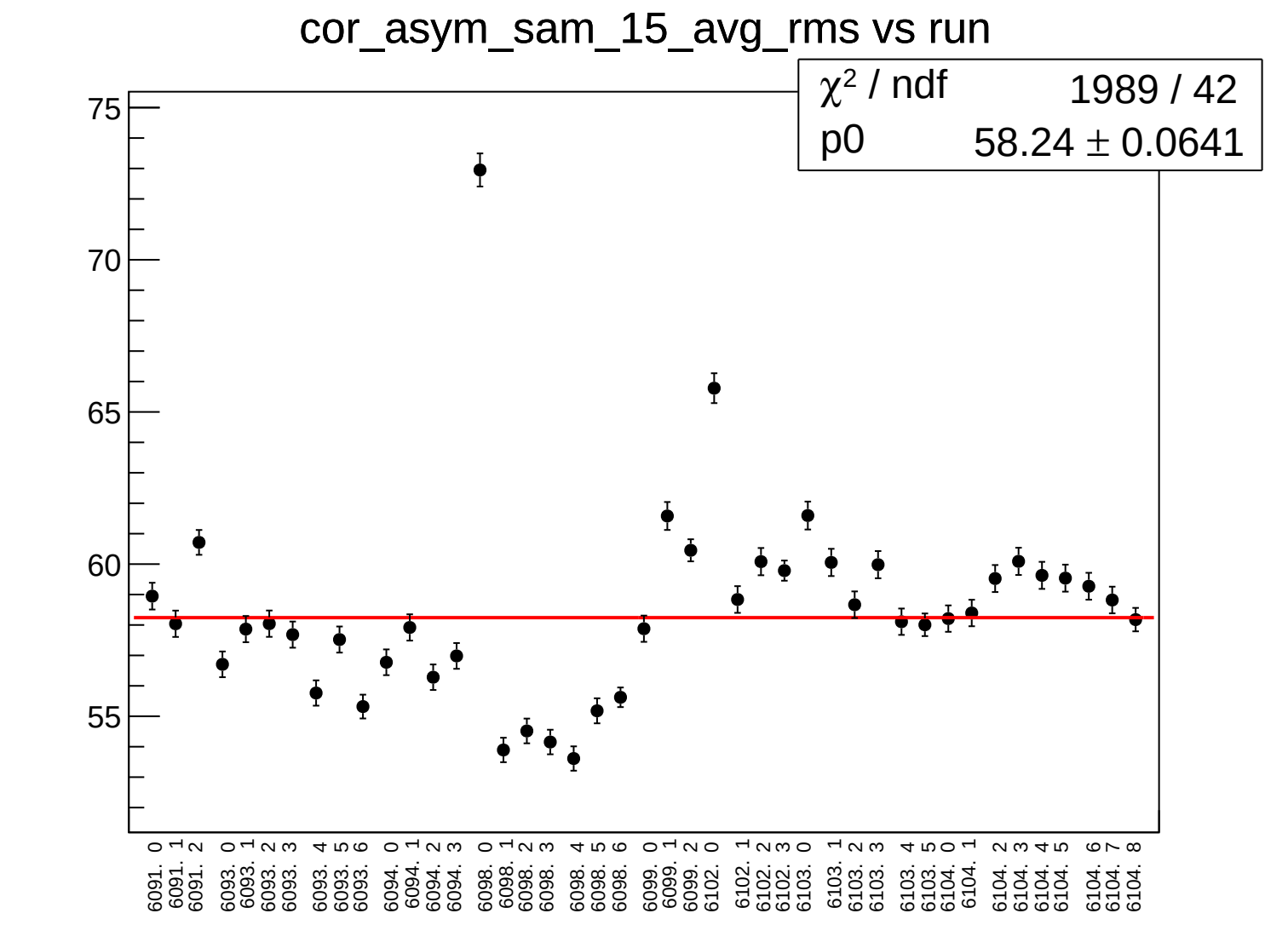

asym_sam_15_avg_reg_correction_mean vs run
χ² / ndf 48.37 / 42
p0 57.53 ± 635.7
15000
10000
5000
0
−5000
−10000
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean −20.36
Std Dev 0
3
2
1
0
−1

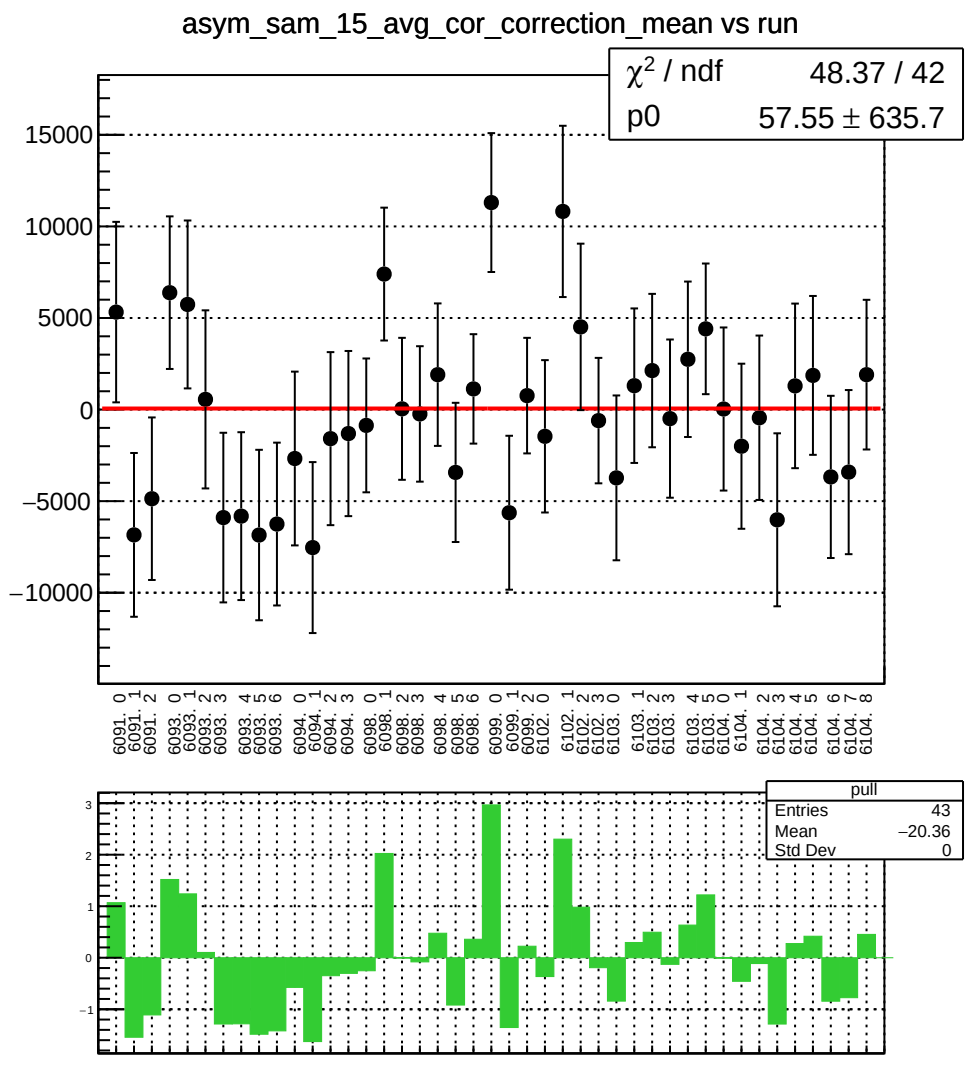

pull1D
Entries 43
Mean −0.03601
Std Dev 1.06
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

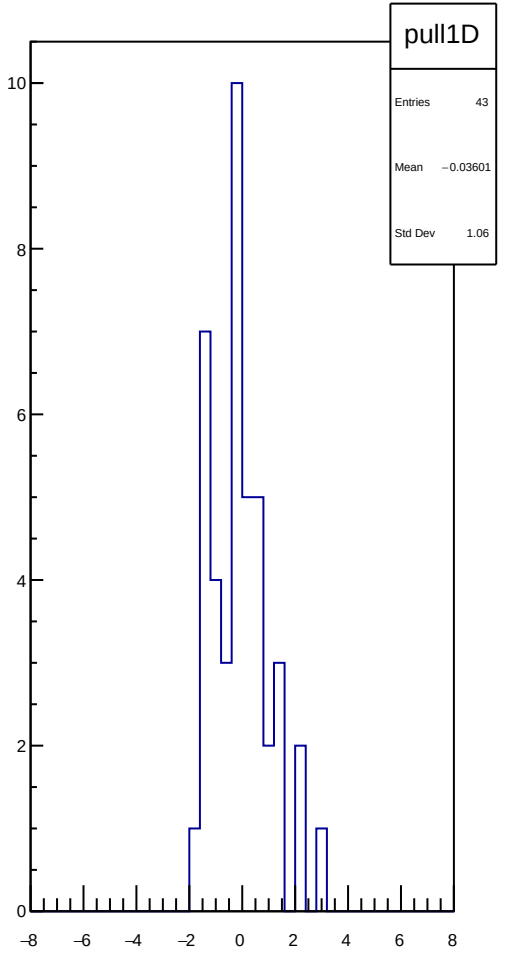

asym_sam_15_avg_reg_correction_rms vs run
χ² / ndf 6100 / 42
p0 407.4 ± 0.4495
480
460
440
420
400
380
360
340
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

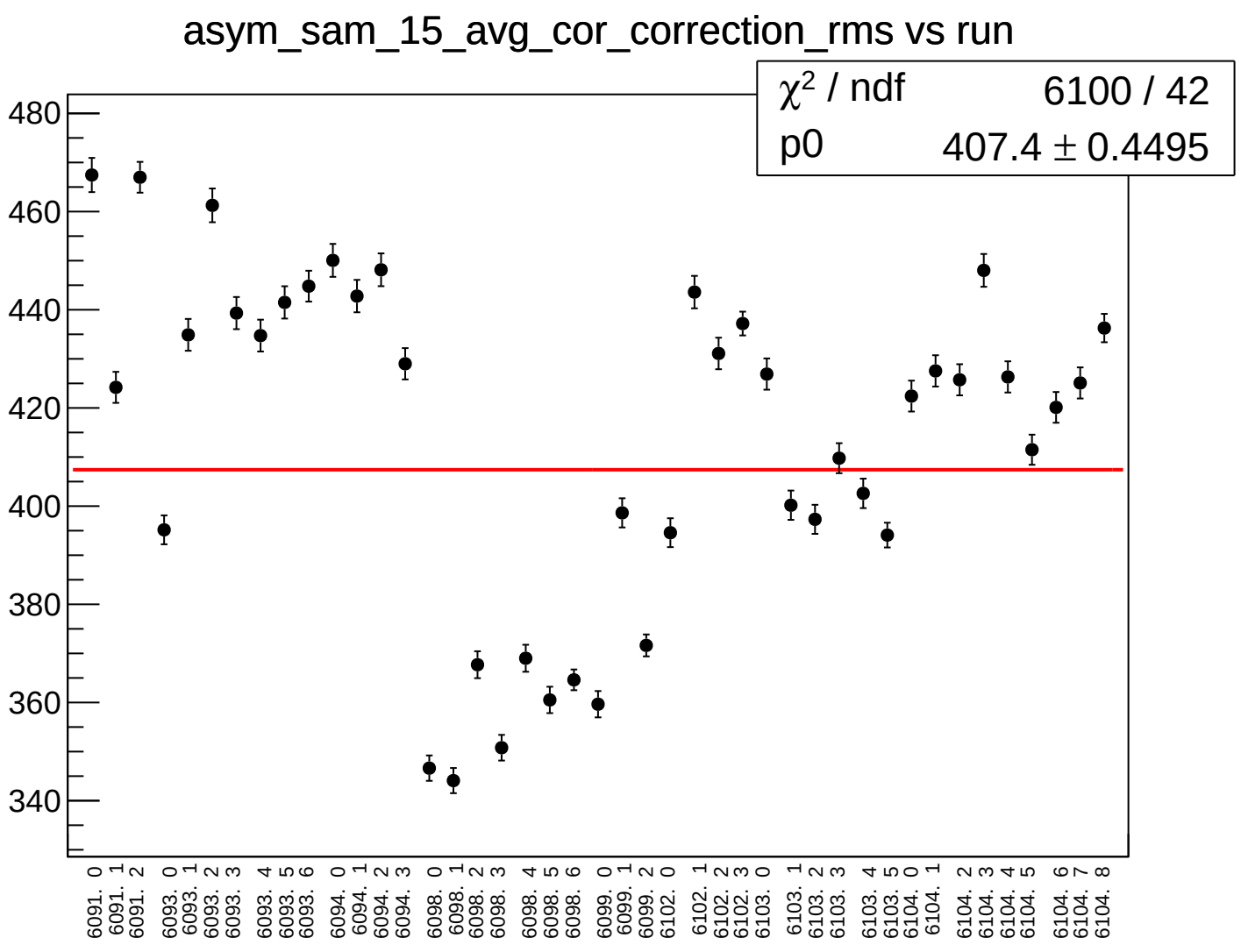

cor_asym_sam_15_avg_mean vs run
χ² / ndf 36.17 / 42
p0 2.963 ± 90.65
1500
1000
500
0
−500
−1000
−1500
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 196.2
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2

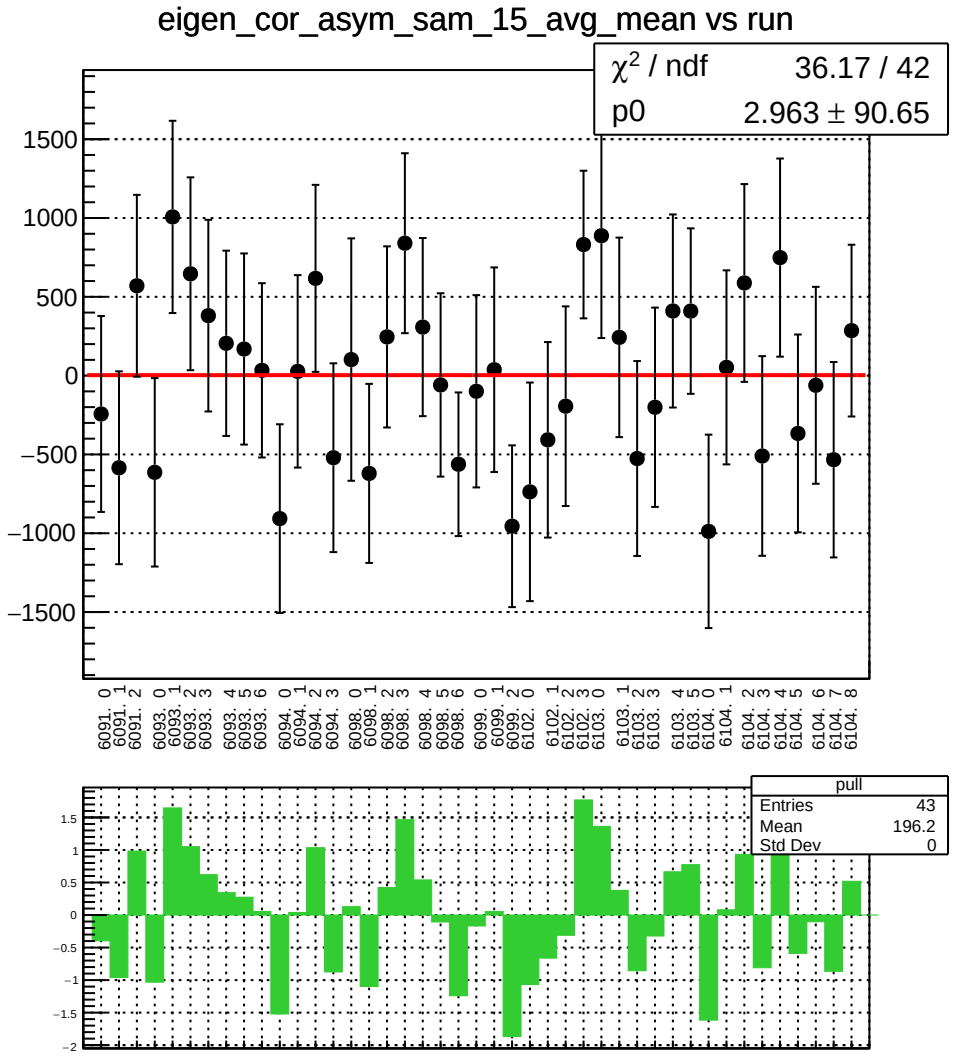

pull1D
Entries 43
Mean −0.003199
Std Dev 0.9172
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


cor_asym_sam_15_avg_rms vs run
χ² / ndf 1989 / 42
p0 58.24 ± 0.0641
75
70
65
60
55
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8


asym_sam_15_avg_cor_correction_mean vs run
χ² / ndf 48.37 / 42
p0 57.55 ± 635.7
15000
10000
5000
0
−5000
−10000
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean −20.36
Std Dev 0
3
2
1
0
−1


pull1D
Entries 43
Mean −0.03601
Std Dev 1.06
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 6100 / 42
p0 407.4 ± 0.4495
480
460
440
420
400
380
360
340
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8


eigen_cor_asym_sam_15_avg_mean vs run
χ² / ndf 36.17 / 42
p0 2.963 ± 90.65
1500
1000
500
0
−500
−1000
−1500
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
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6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
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6098. 5
6098. 6
6099. 0
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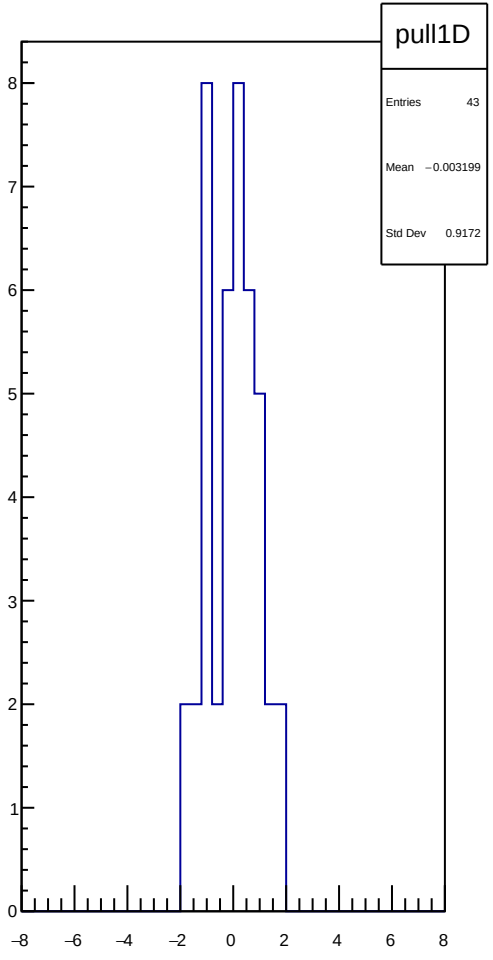
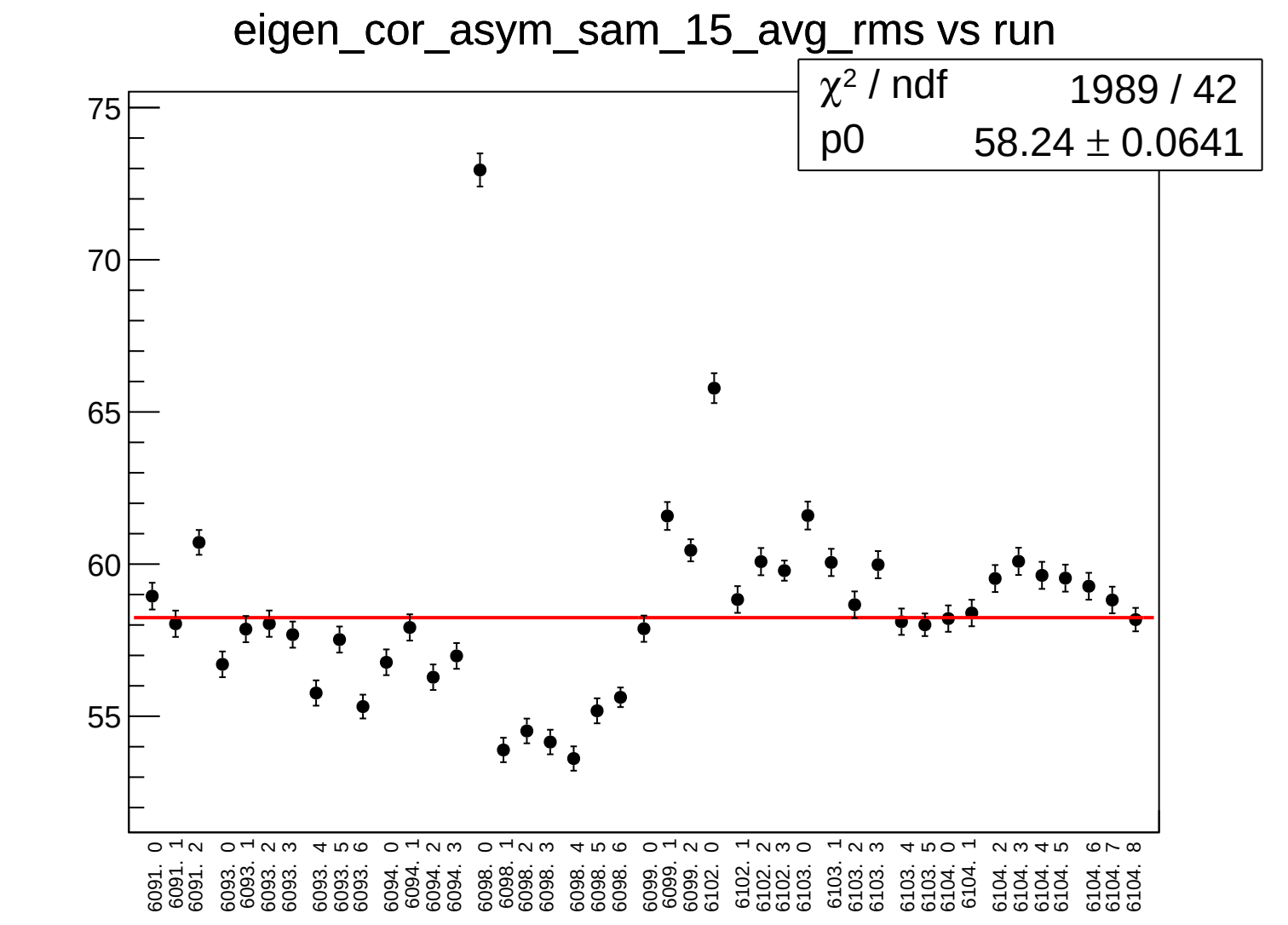
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 196.2
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2


pull1D
Entries 43
Mean −0.003199
Std Dev 0.9172
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 1989 / 42
p0 58.24 ± 0.0641
75
70
65
60
55
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
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6098. 3
6098. 4
6098. 5
6098. 6
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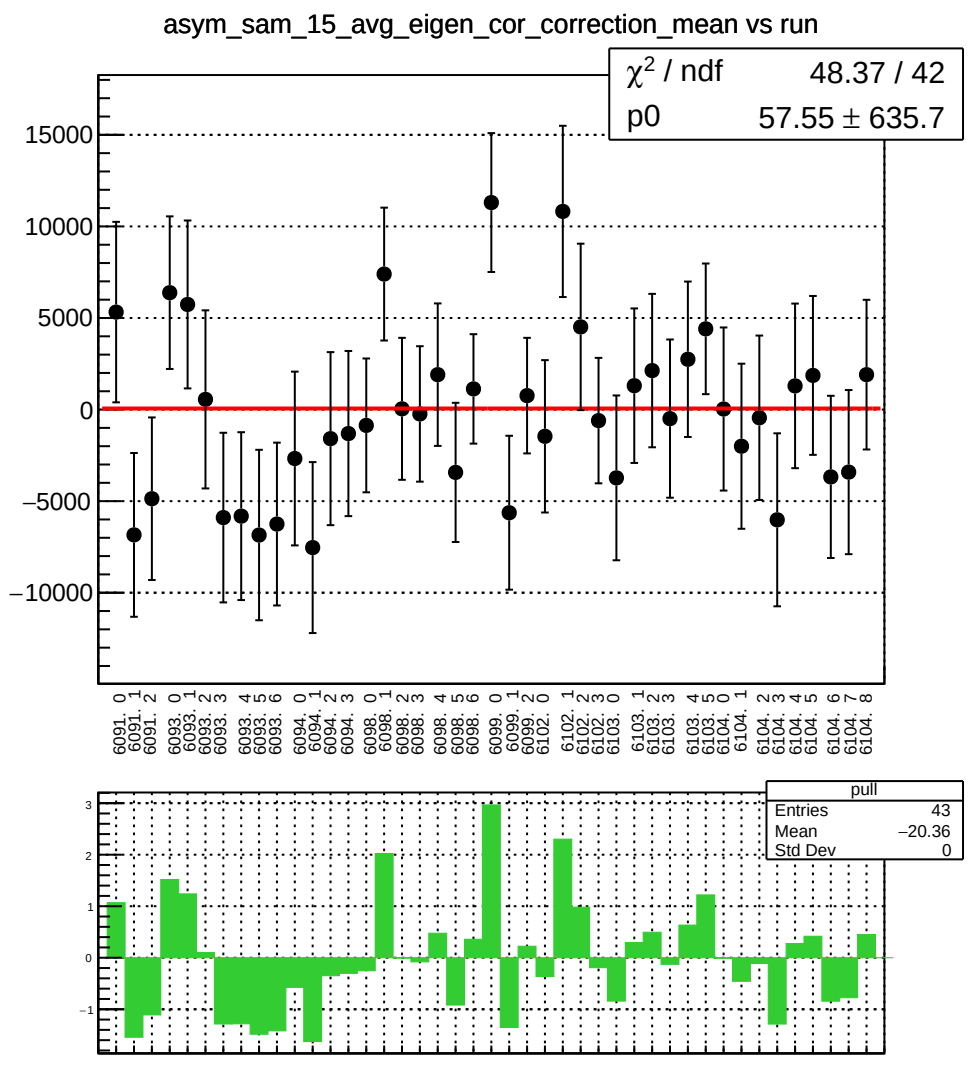
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8


asym_sam_15_avg_eigen_cor_correction_mean vs run
χ² / ndf 48.37 / 42
p0 57.55 ± 635.7
15000
10000
5000
0
−5000
−10000
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
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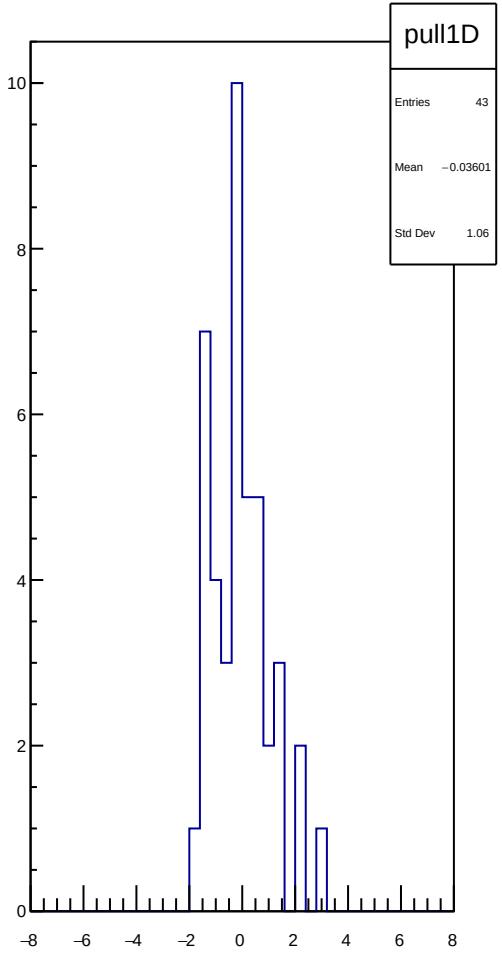
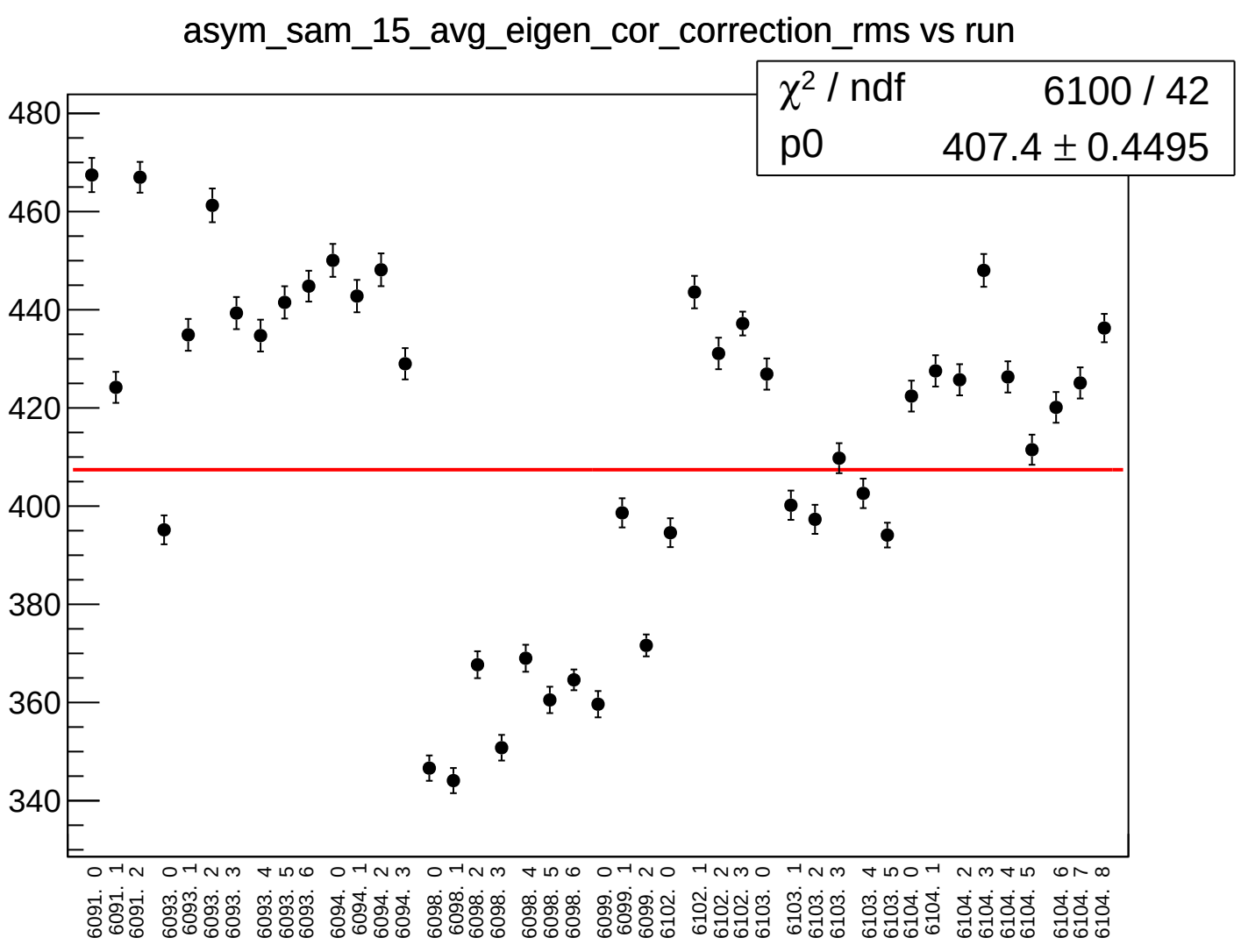
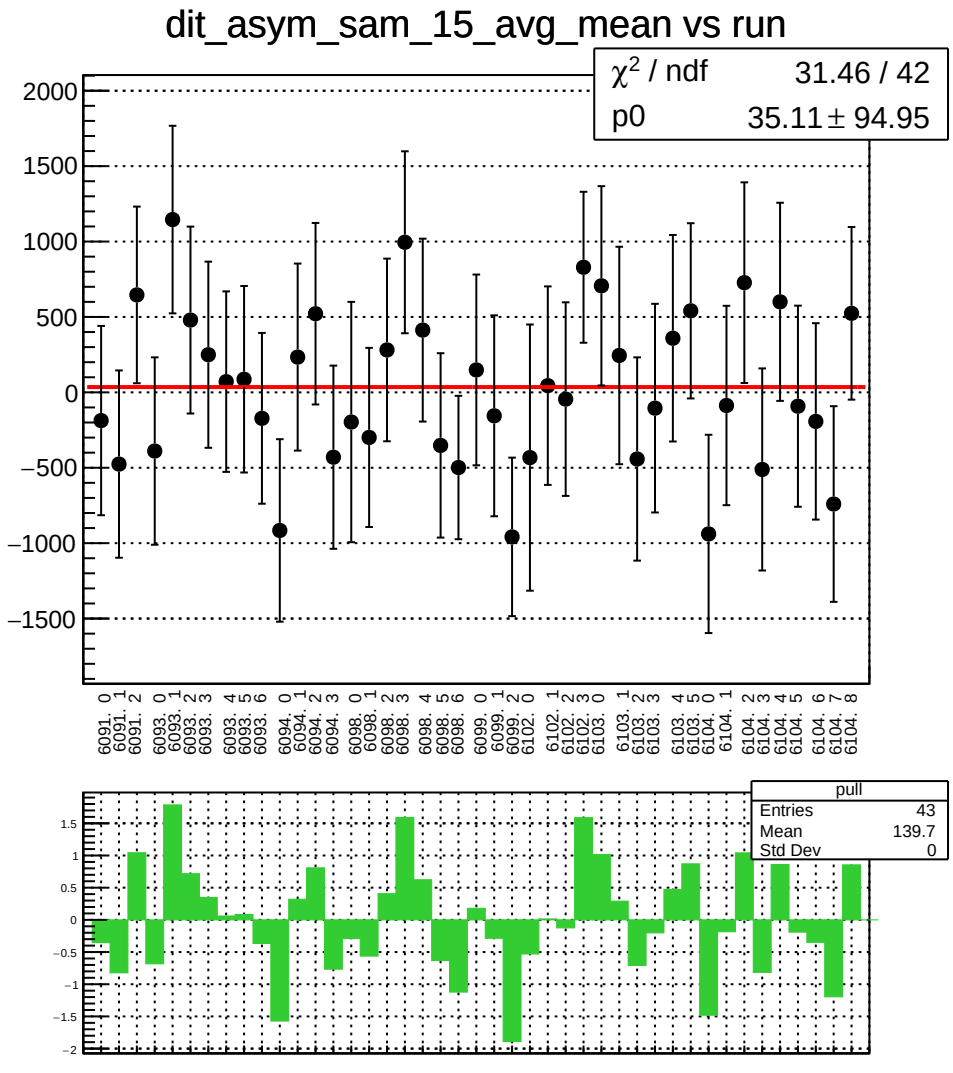
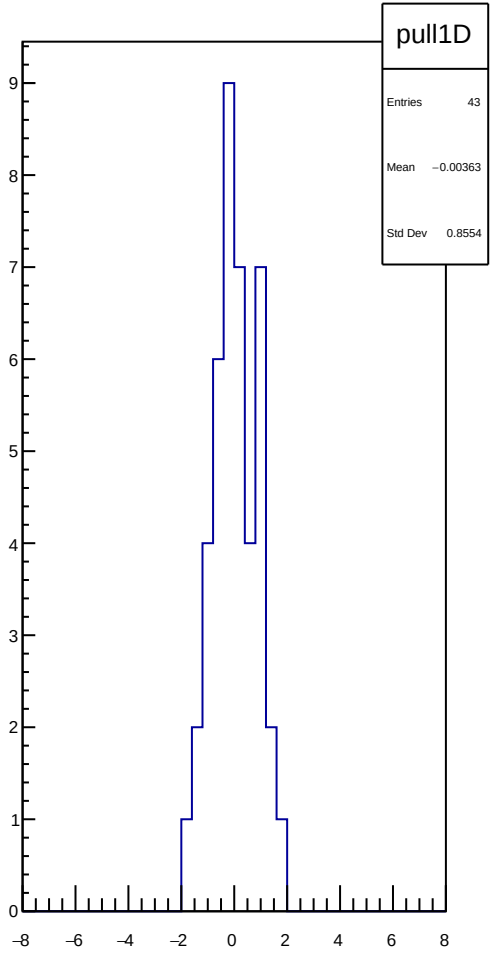
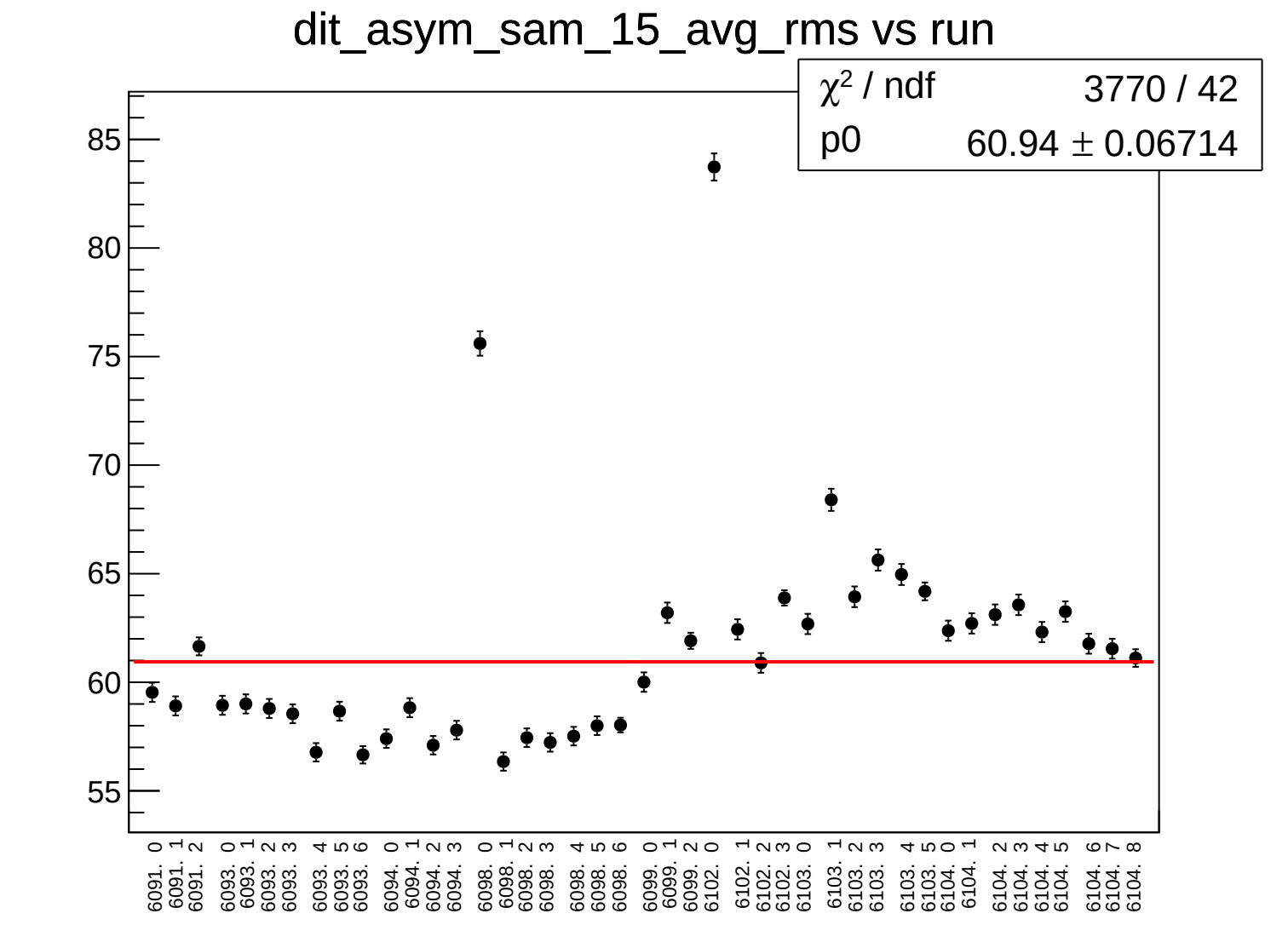
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean −20.36
Std Dev 0
3
2
1
0
−1

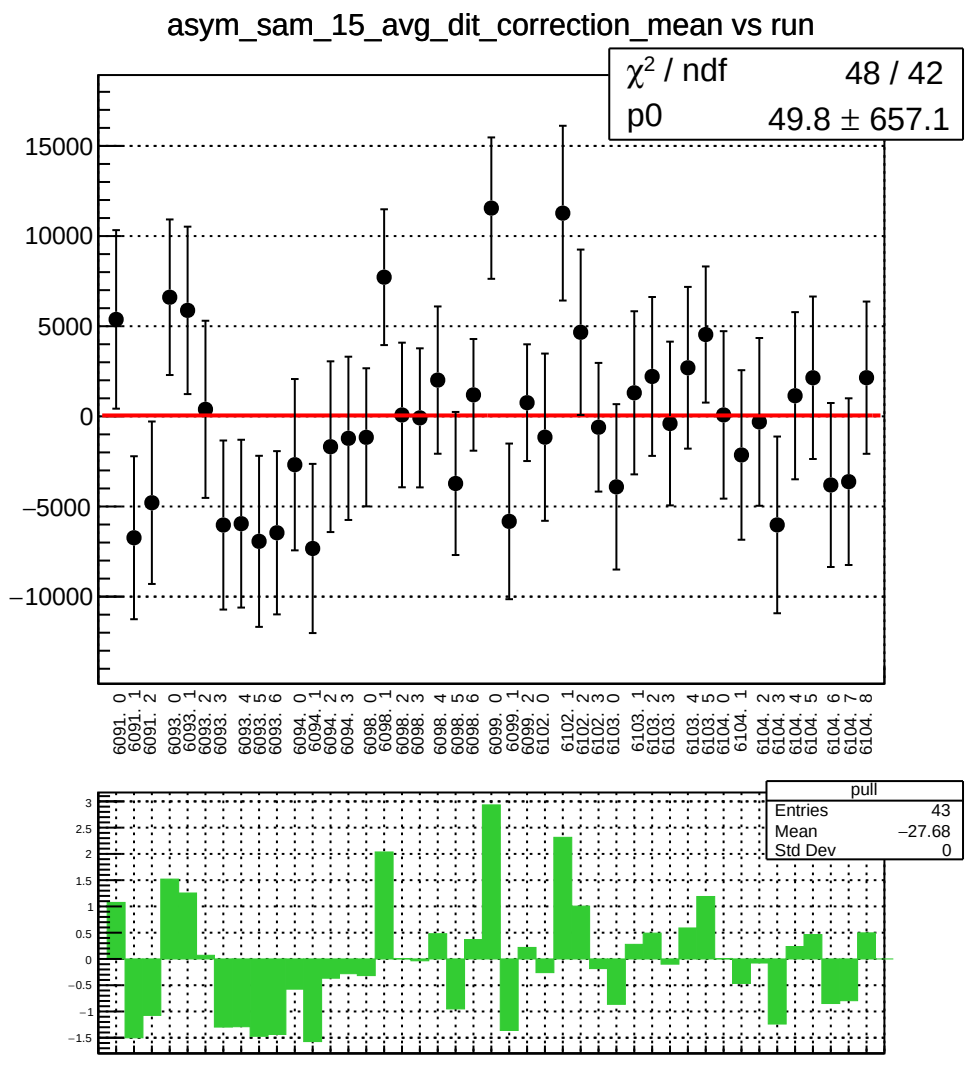

pull1D
Entries 43
Mean −0.03601
Std Dev 1.06
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

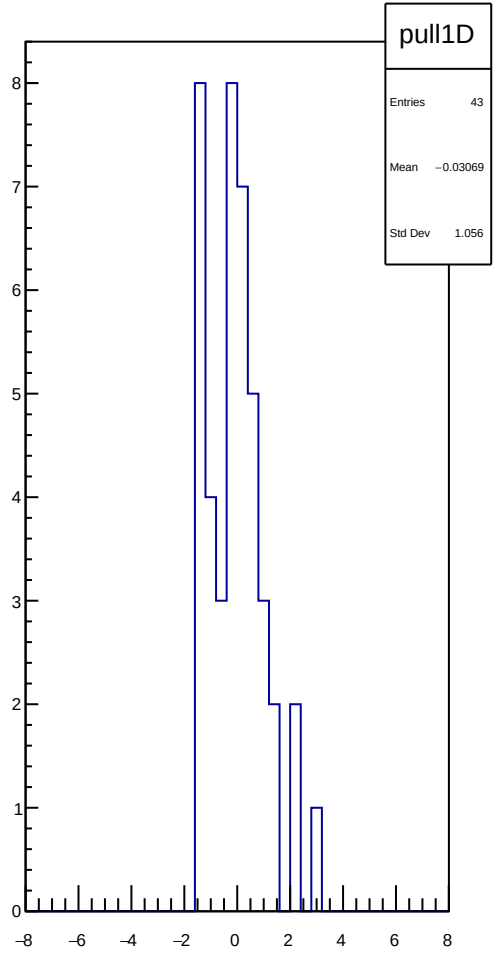

asym_sam_15_avg_eigen_cor_correction_rms vs run
χ² / ndf 6100 / 42
p0 407.4 ± 0.4495
480
460
440
420
400
380
360
340
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

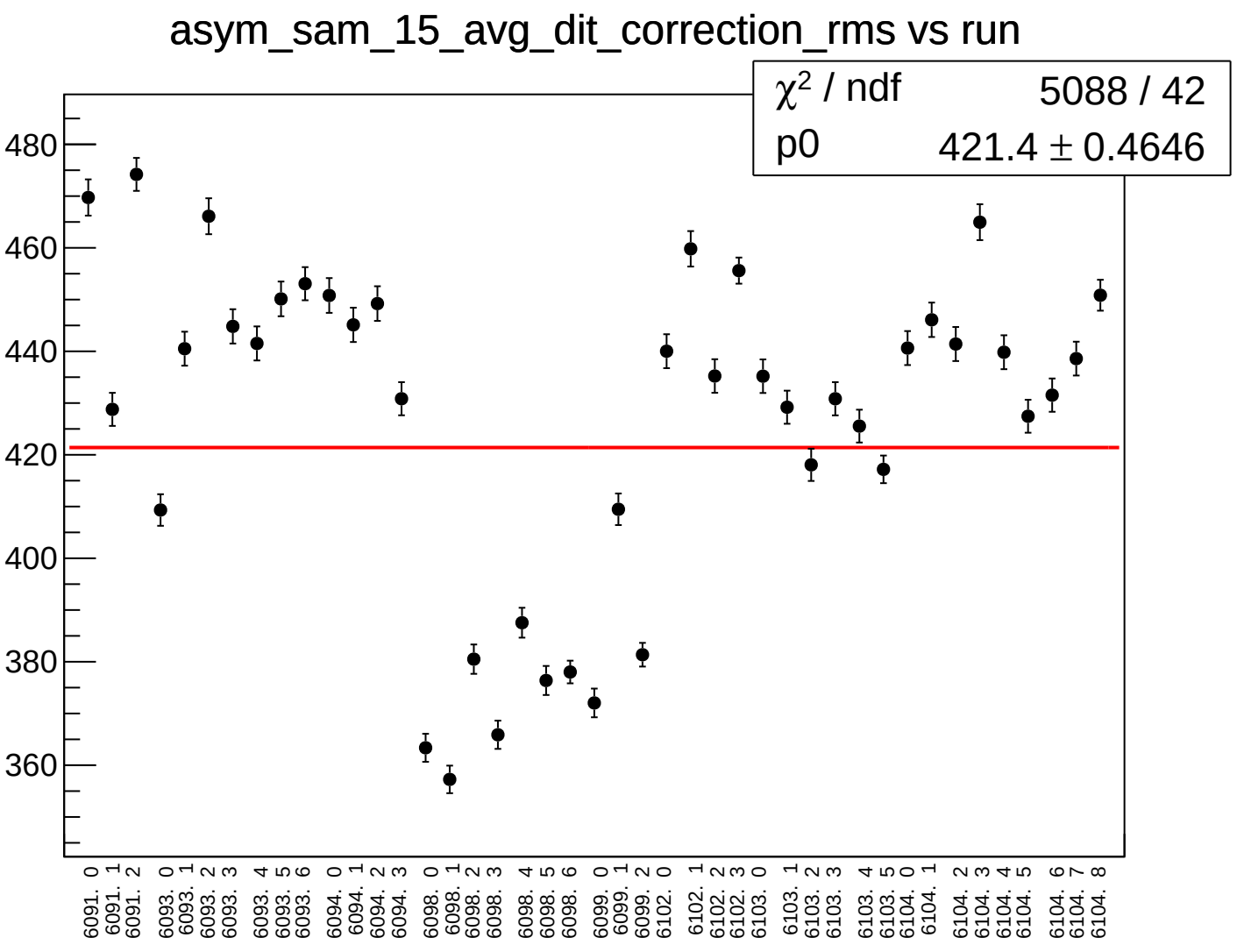

dit_asym_sam_15_avg_mean vs run
χ^2 / ndf 31.46 / 42
p0 35.11 ± 94.95
pull
Entries 43
Mean 139.7
Std Dev 0

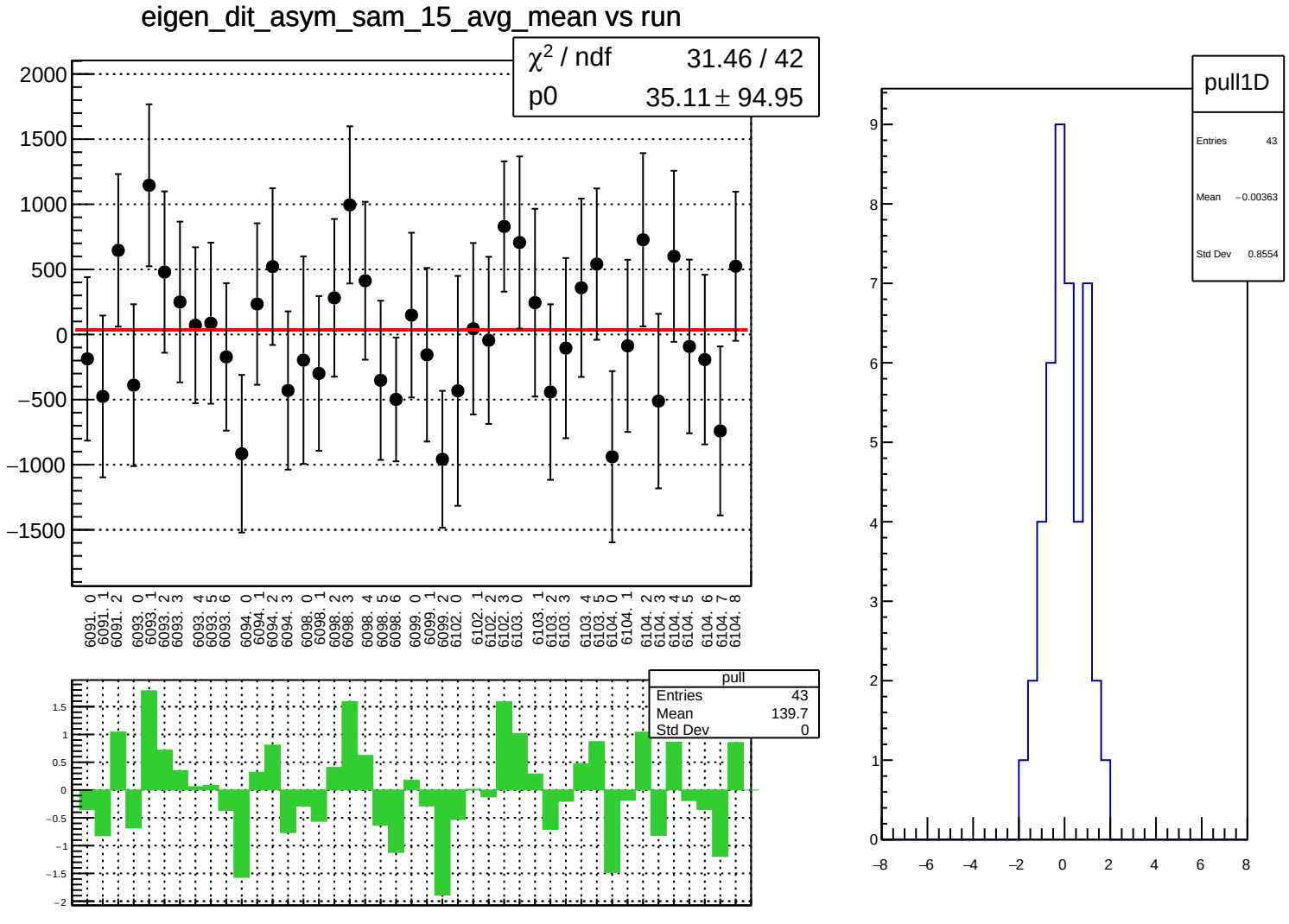

pull1D
Entries 43
Mean −0.00363
Std Dev 0.8554

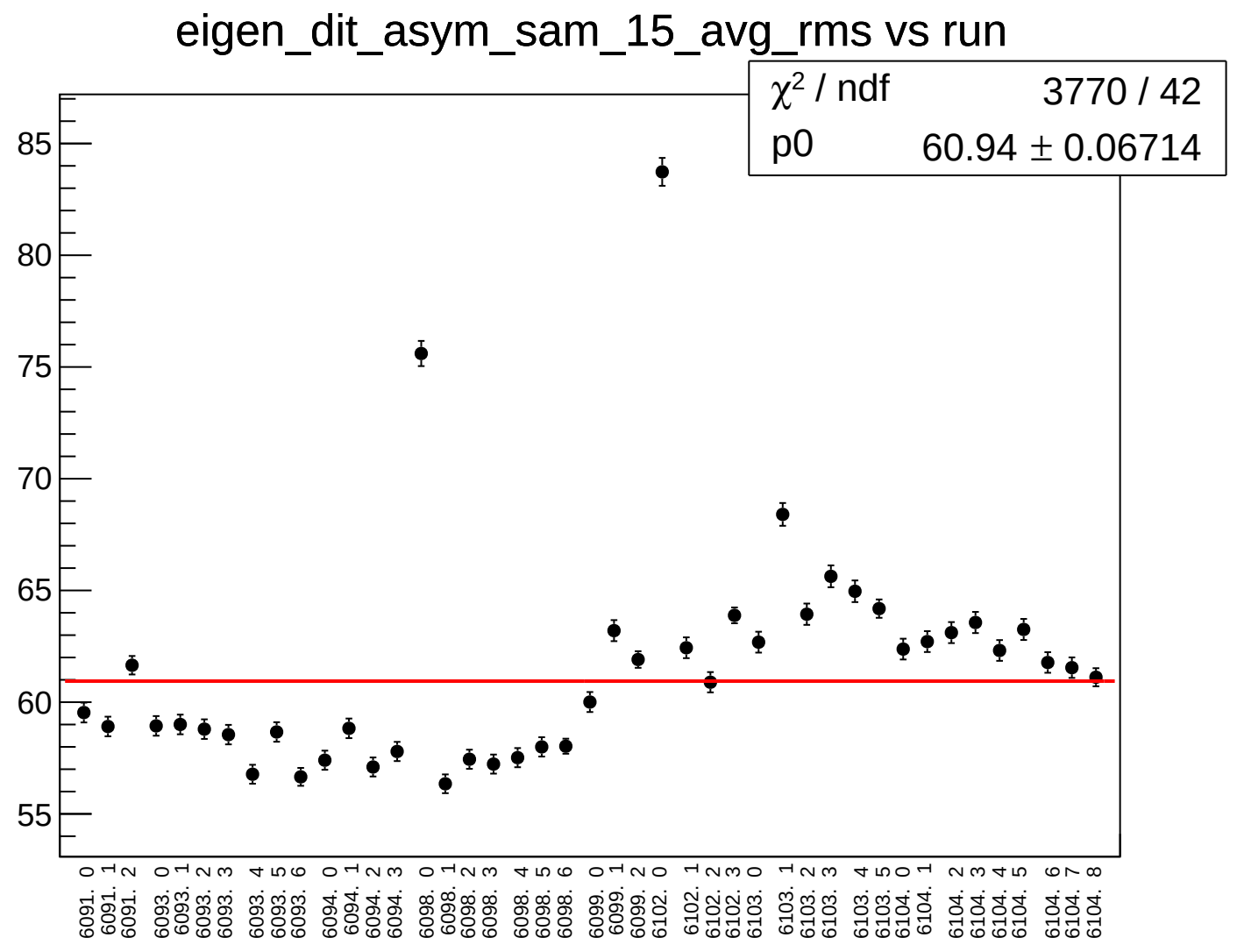

dit_asym_sam_15_avg_rms vs run
χ² / ndf 3770 / 42
p0 60.94 ± 0.06714
85
80
75
70
65
60
55
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

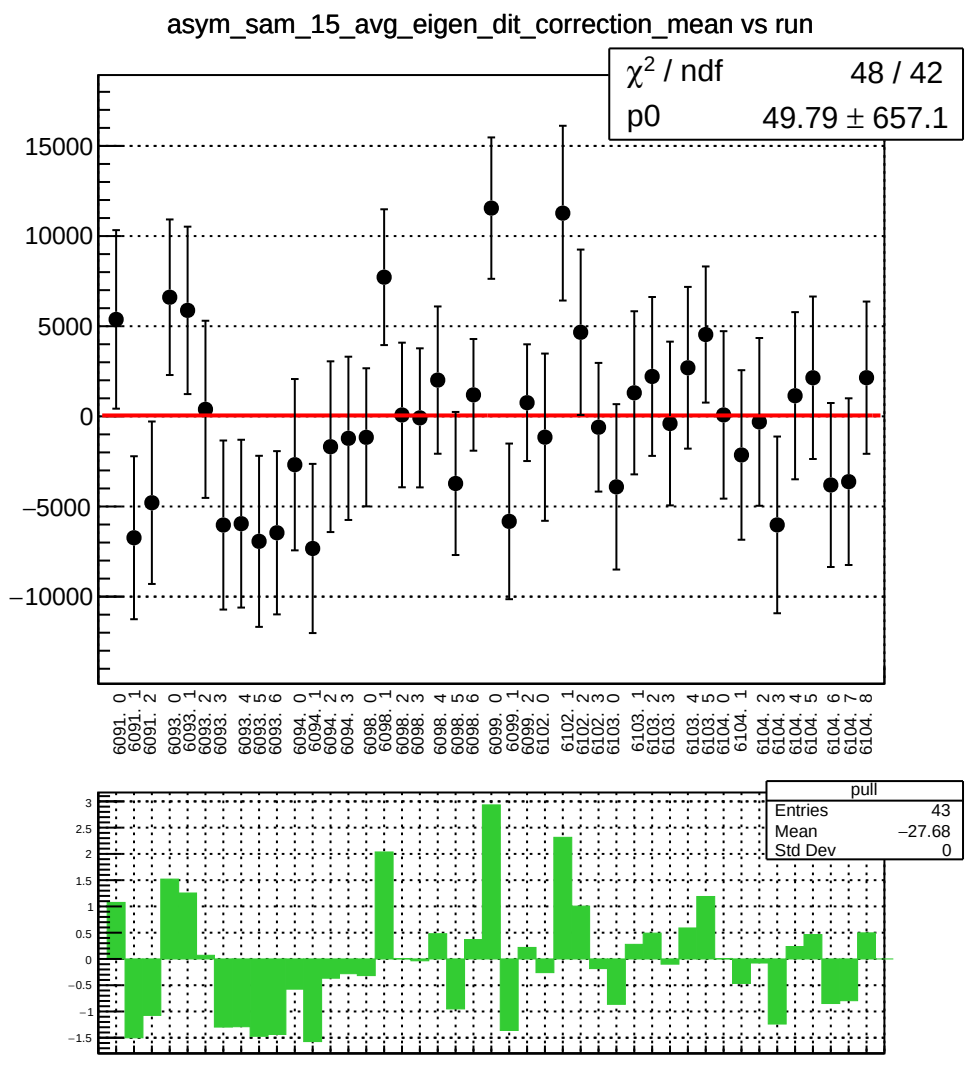

asym_sam_15_avg_dit_correction_mean vs run
χ² / ndf 48 / 42
p0 49.8 ± 657.1
15000
10000
5000
0
−5000
−10000
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean −27.68
Std Dev 0
3
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5

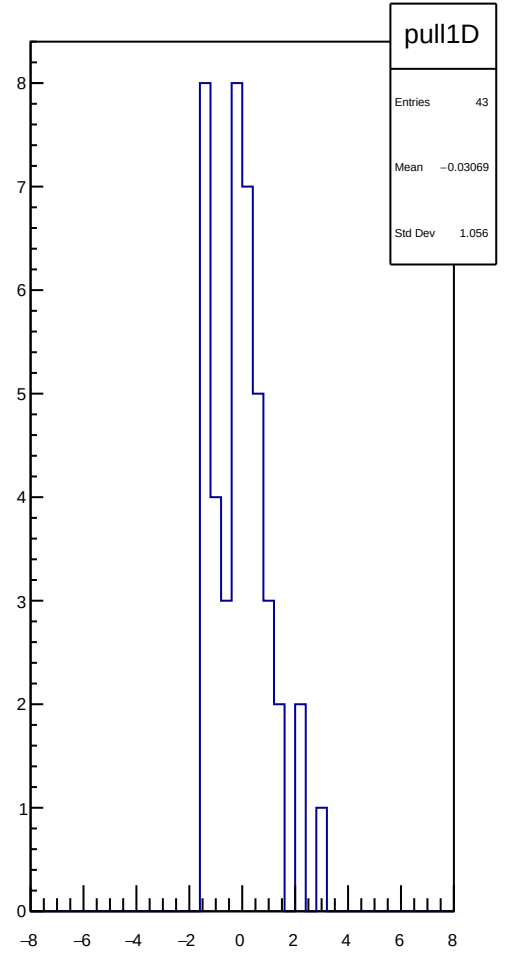

pull1D
Entries 43
Mean −0.03069
Std Dev 1.056
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

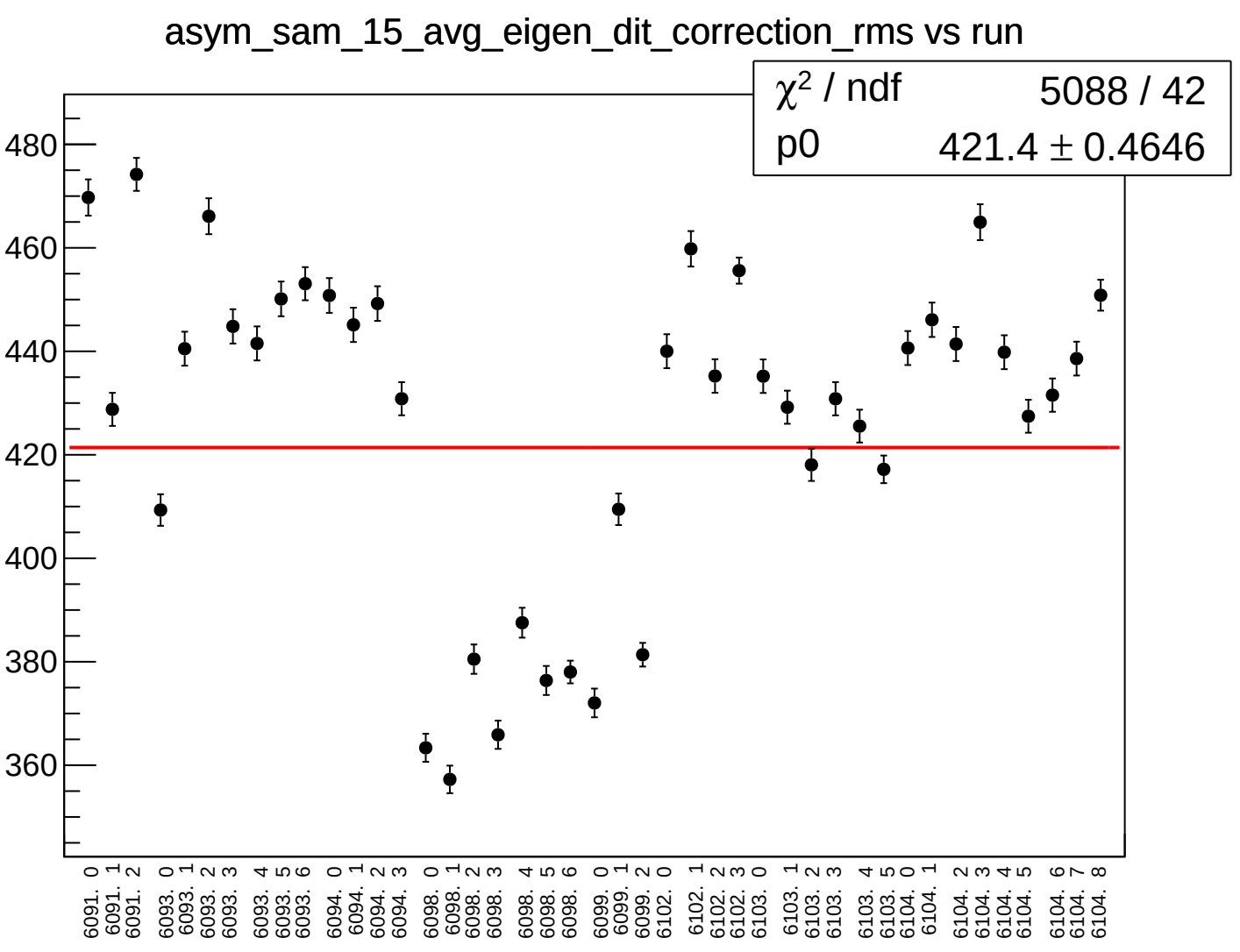

asym_sam_15_avg_dit_correction_rms vs run
χ² / ndf 5088 / 42
p0 421.4 ± 0.4646
480
460
440
420
400
380
360
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

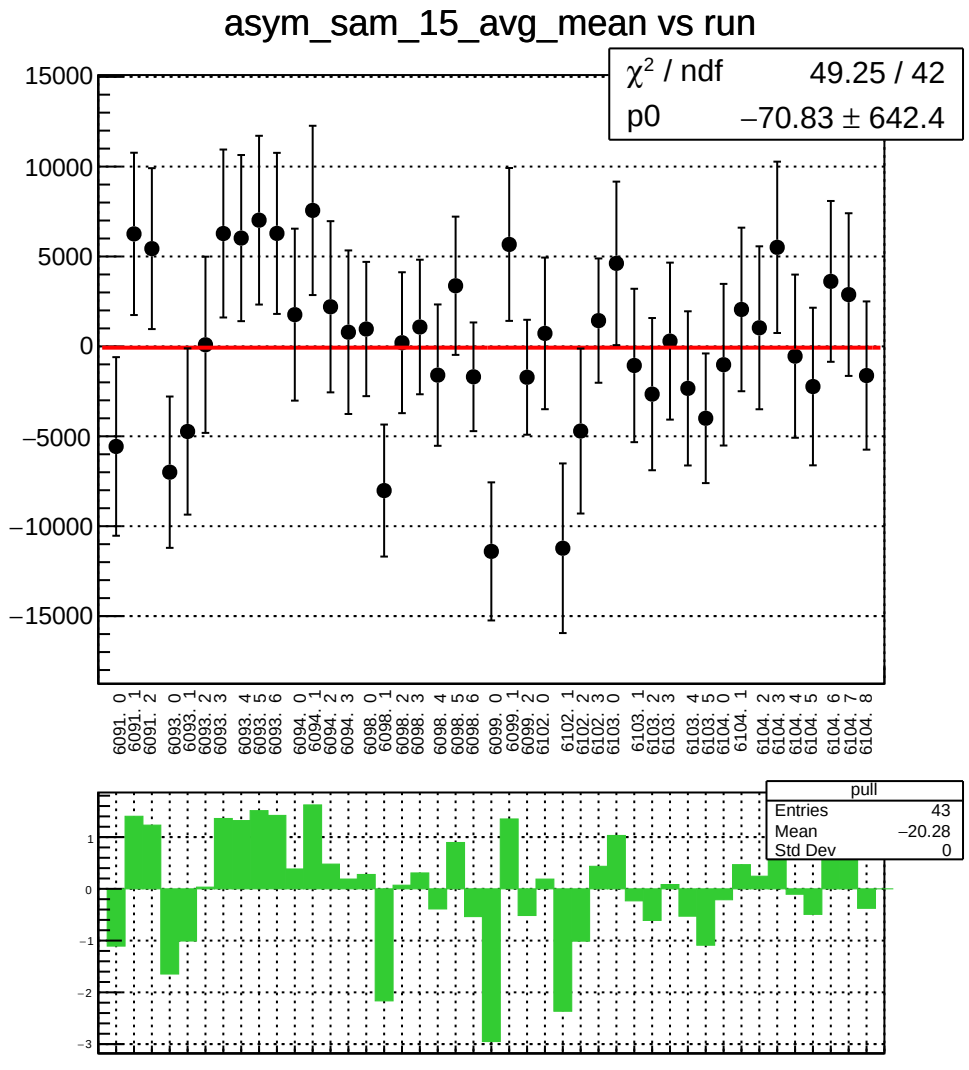

eigen_dit_asym_sam_15_avg_mean vs run
χ² / ndf 31.46 / 42
p0 35.11 ± 94.95
2000
1500
1000
500
0
−500
−1000
−1500
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 139.7
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 43
Mean −0.00363
Std Dev 0.8554
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

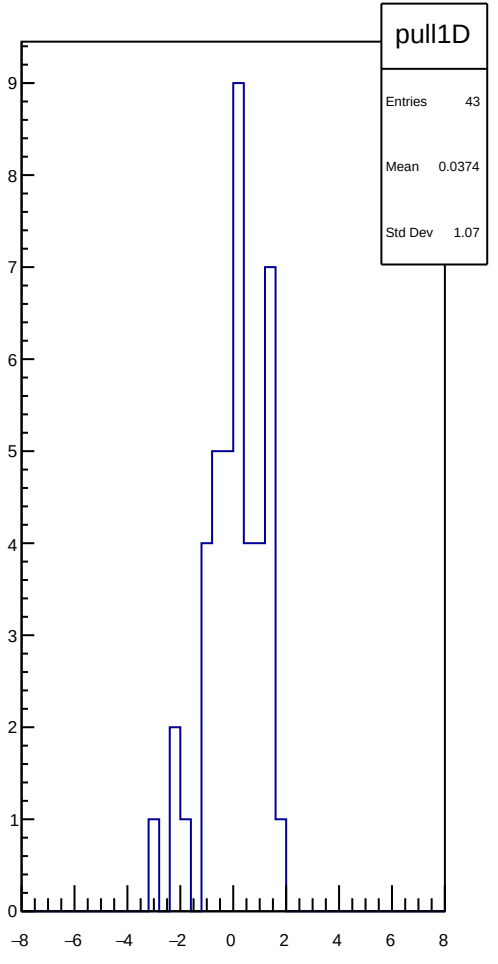

eigen_dit_asym_sam_15_avg_rms vs run
χ² / ndf 3770 / 42
p0 60.94 ± 0.06714
85
80
75
70
65
60
55
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

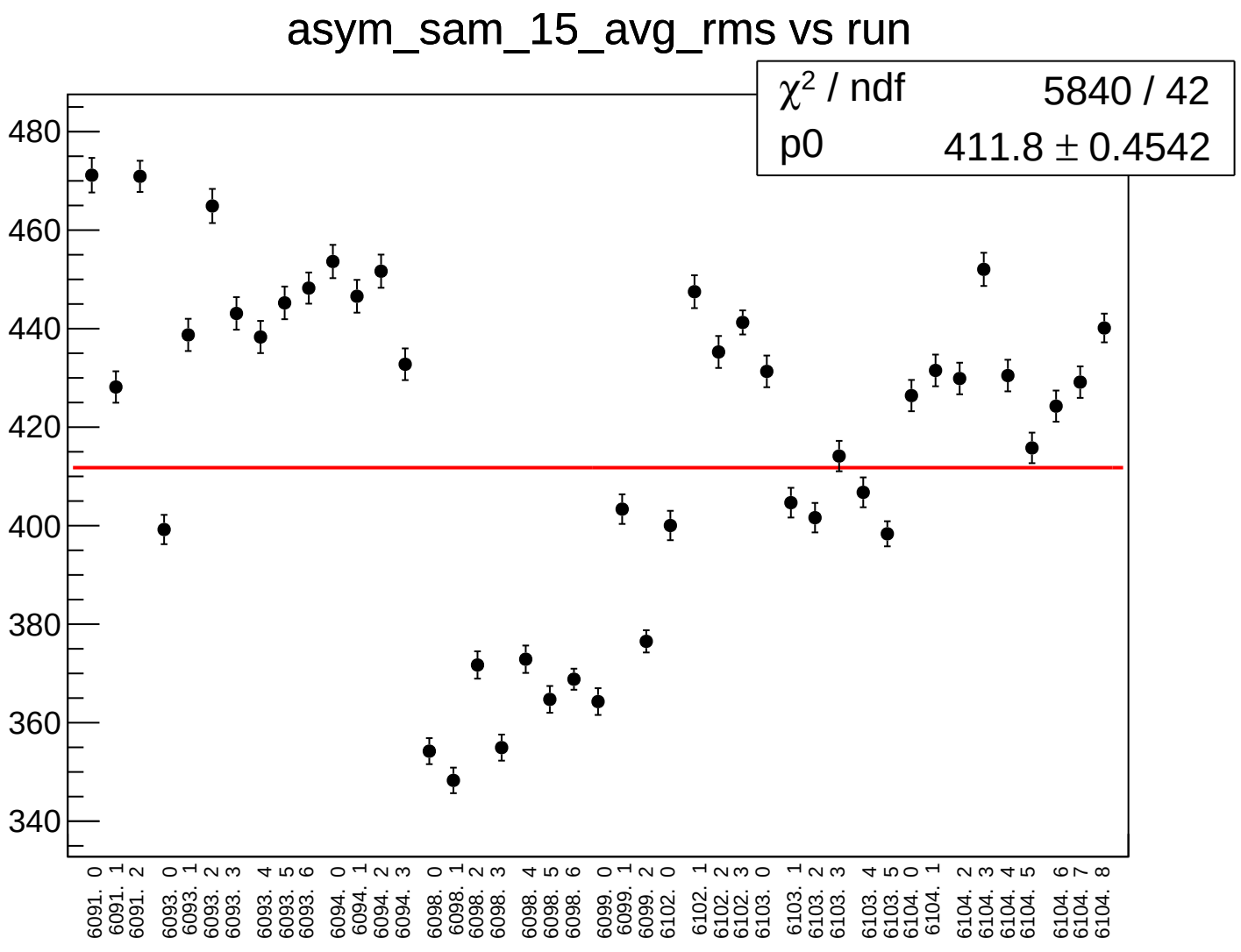

asym_sam_15_avg_eigen_dit_correction_mean vs run
χ² / ndf 48 / 42
p0 49.79 ± 657.1
15000
10000
5000
0
−5000
−10000
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean −27.68
Std Dev 0
3
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5

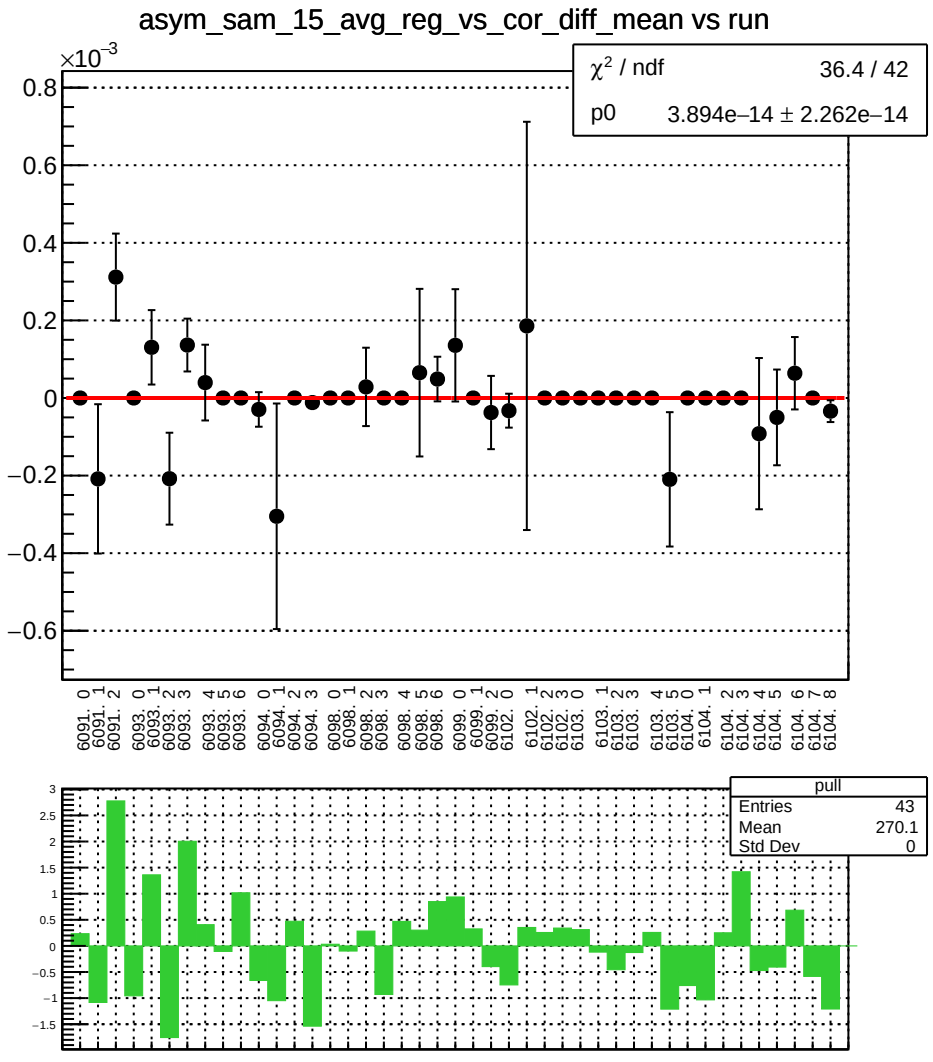

pull1D
Entries 43
Mean −0.03069
Std Dev 1.056
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

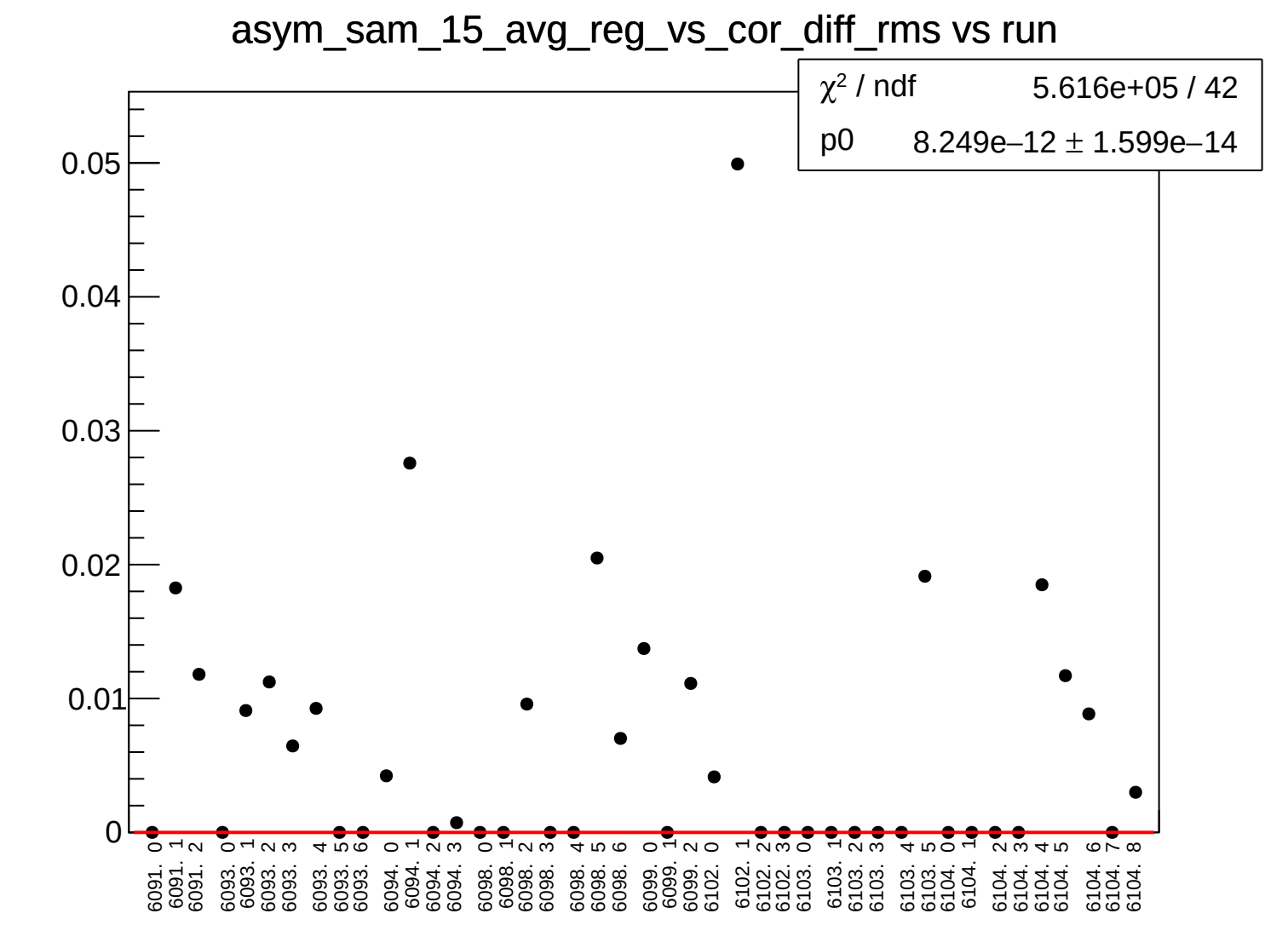

asym_sam_15_avg_eigen_dit_correction_rms vs run
χ² / ndf 5088 / 42
p0 421.4 ± 0.4646
480
460
440
420
400
380
360
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

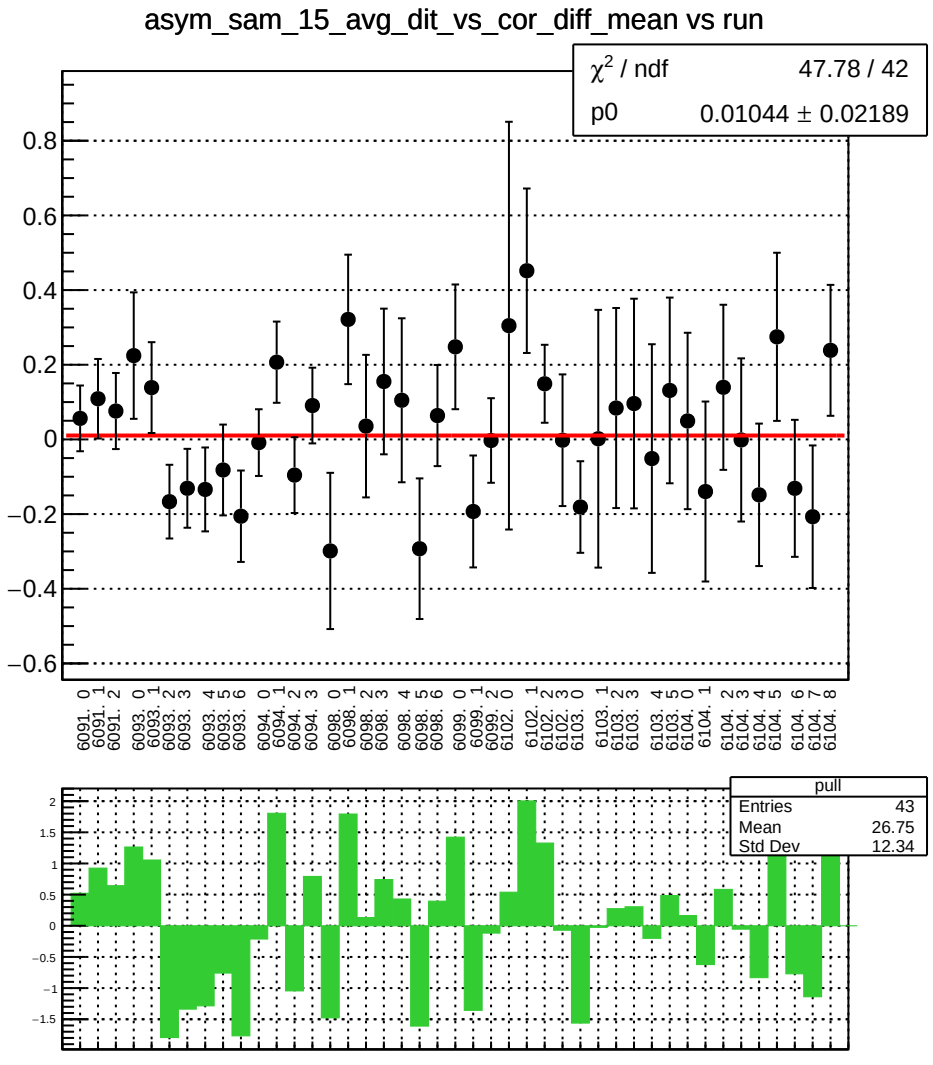

asym_sam_15_avg_mean vs run
χ² / ndf 49.25 / 42
p0 −70.83 ± 642.4
15000
10000
5000
0
−5000
−10000
−15000
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean −20.28
Std Dev 0
1
0
−1
−2
−3

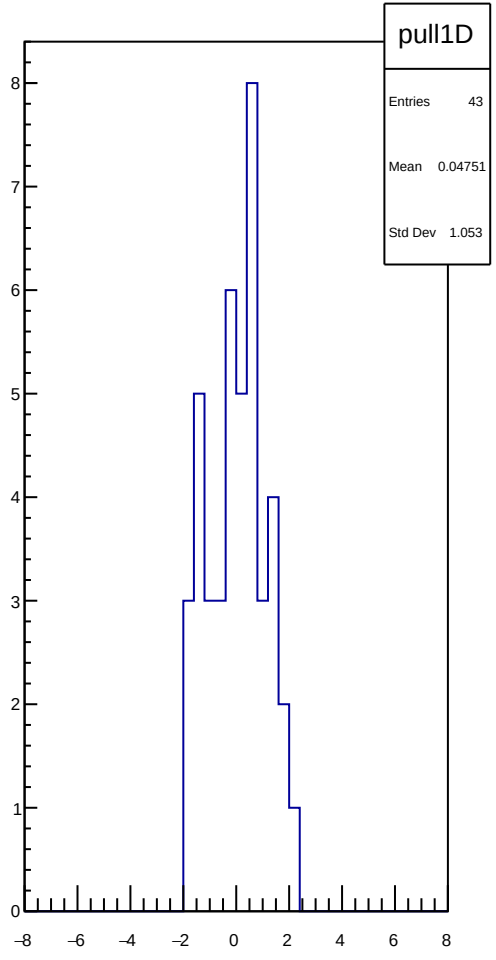

pull1D
Entries 43
Mean 0.0374
Std Dev 1.07
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

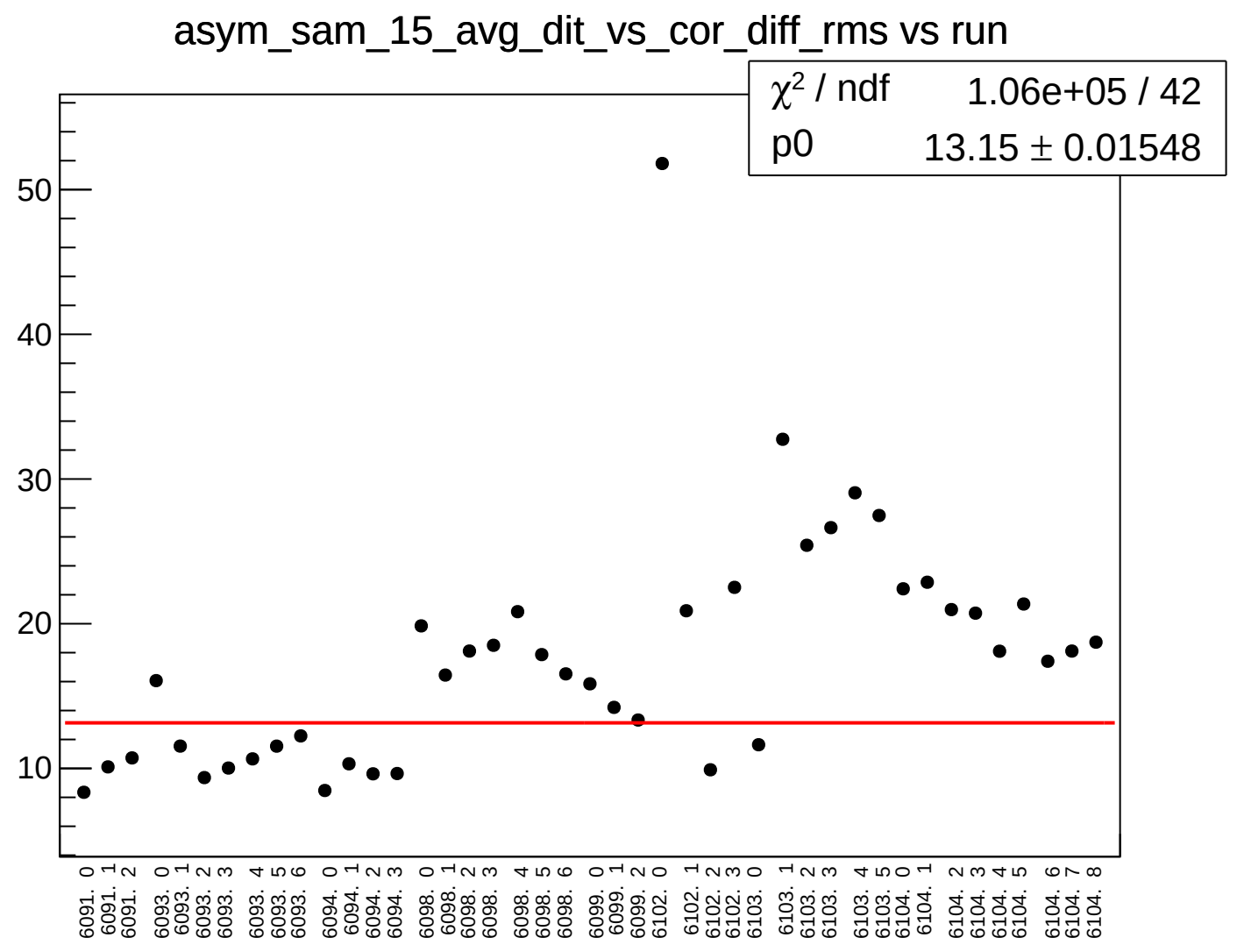

asym_sam_15_avg_rms vs run
χ² / ndf 5840 / 42
p0 411.8 ± 0.4542
480
460
440
420
400
380
360
340
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

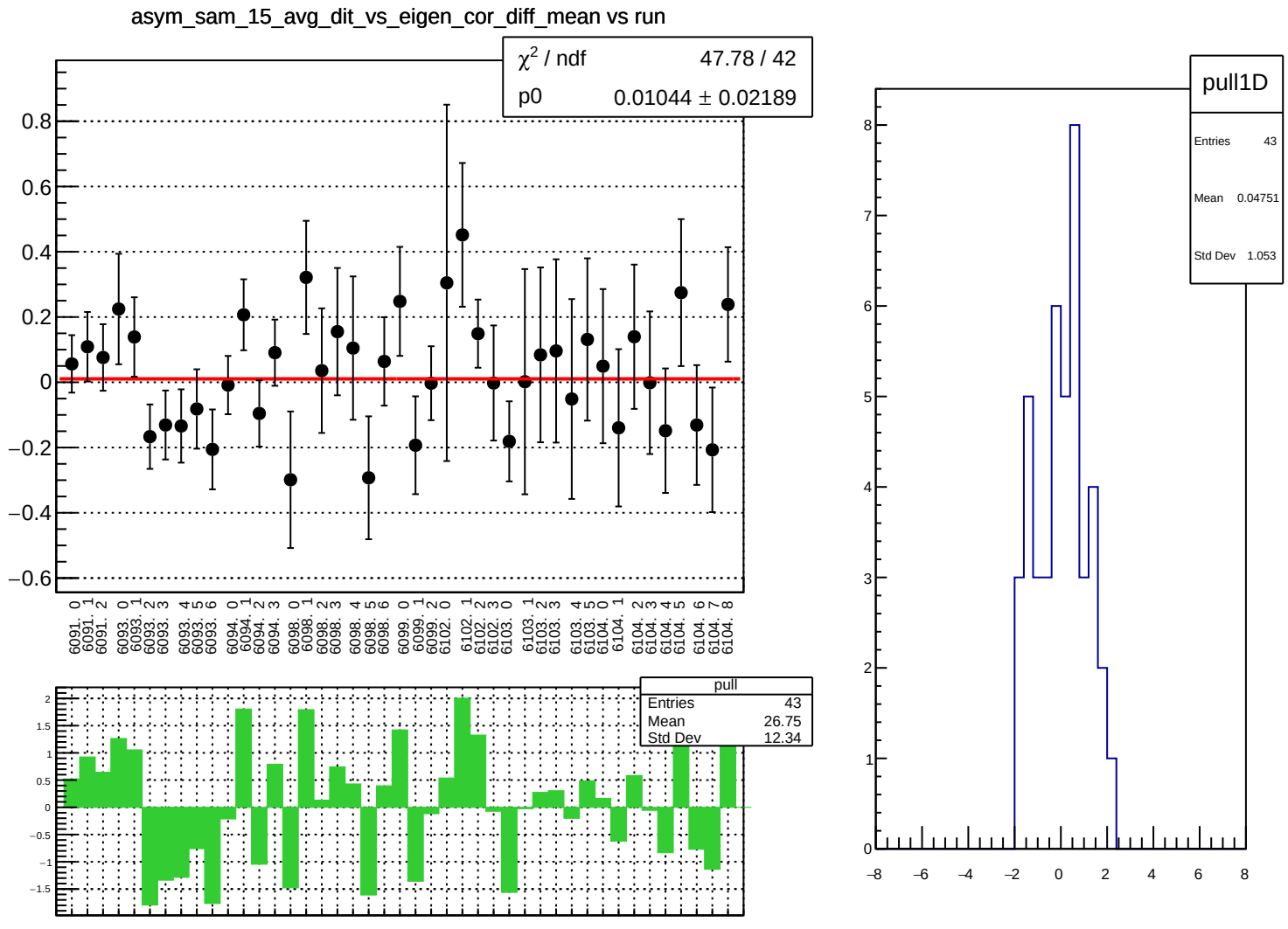

asym_sam_15_avg_reg_vs_cor_diff_mean vs run
×10^−3
χ² / ndf 36.4 / 42
p0 3.894e−14 ± 2.262e−14
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 270.1
Std Dev 0
3
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 43
Mean −0.008034
Std Dev 0.9201
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

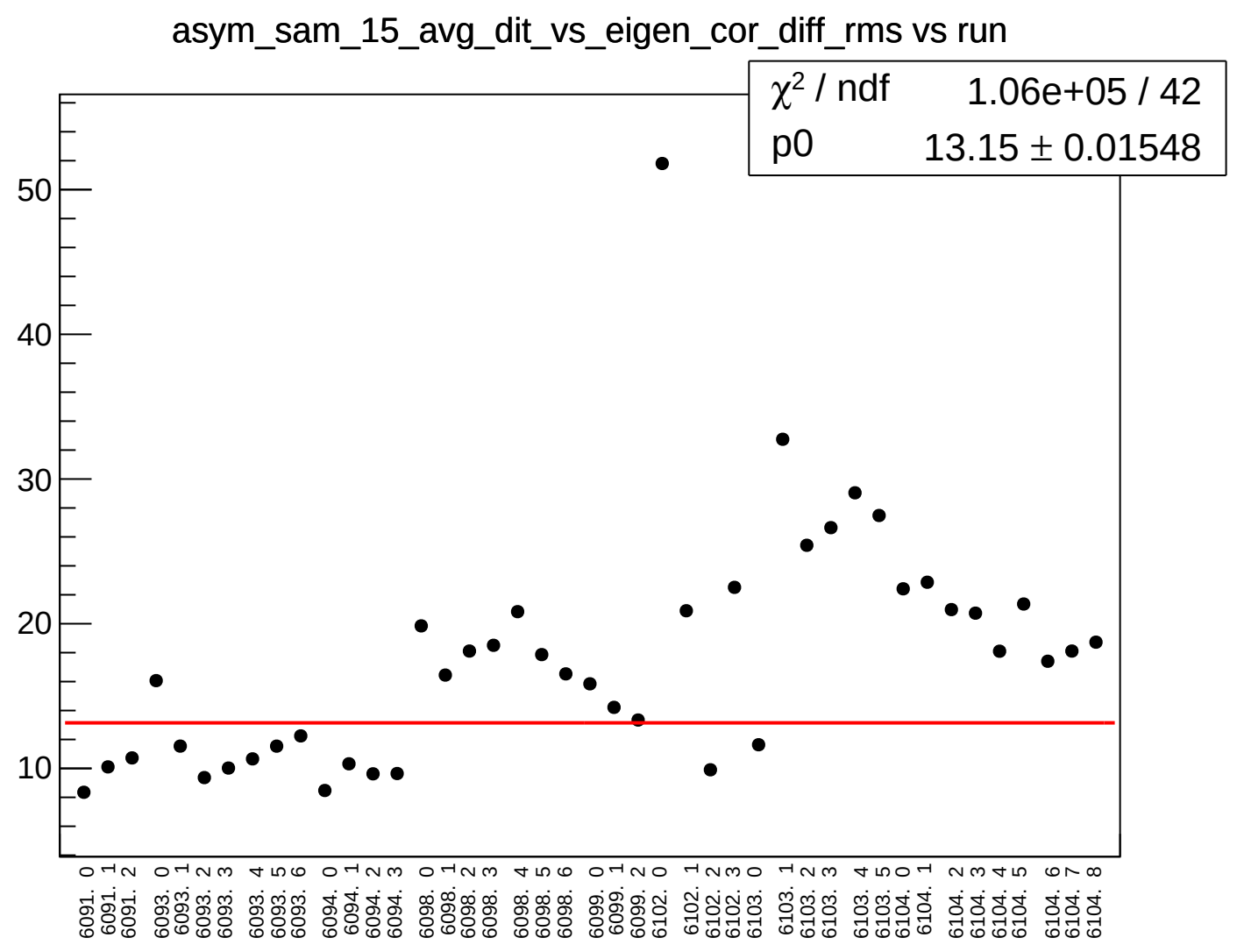

asym_sam_15_avg_reg_vs_cor_diff_rms vs run
χ² / ndf 5.616e+05 / 42
p0 8.249e−12 ± 1.599e−14
0.05
0.04
0.03
0.02
0.01
0
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

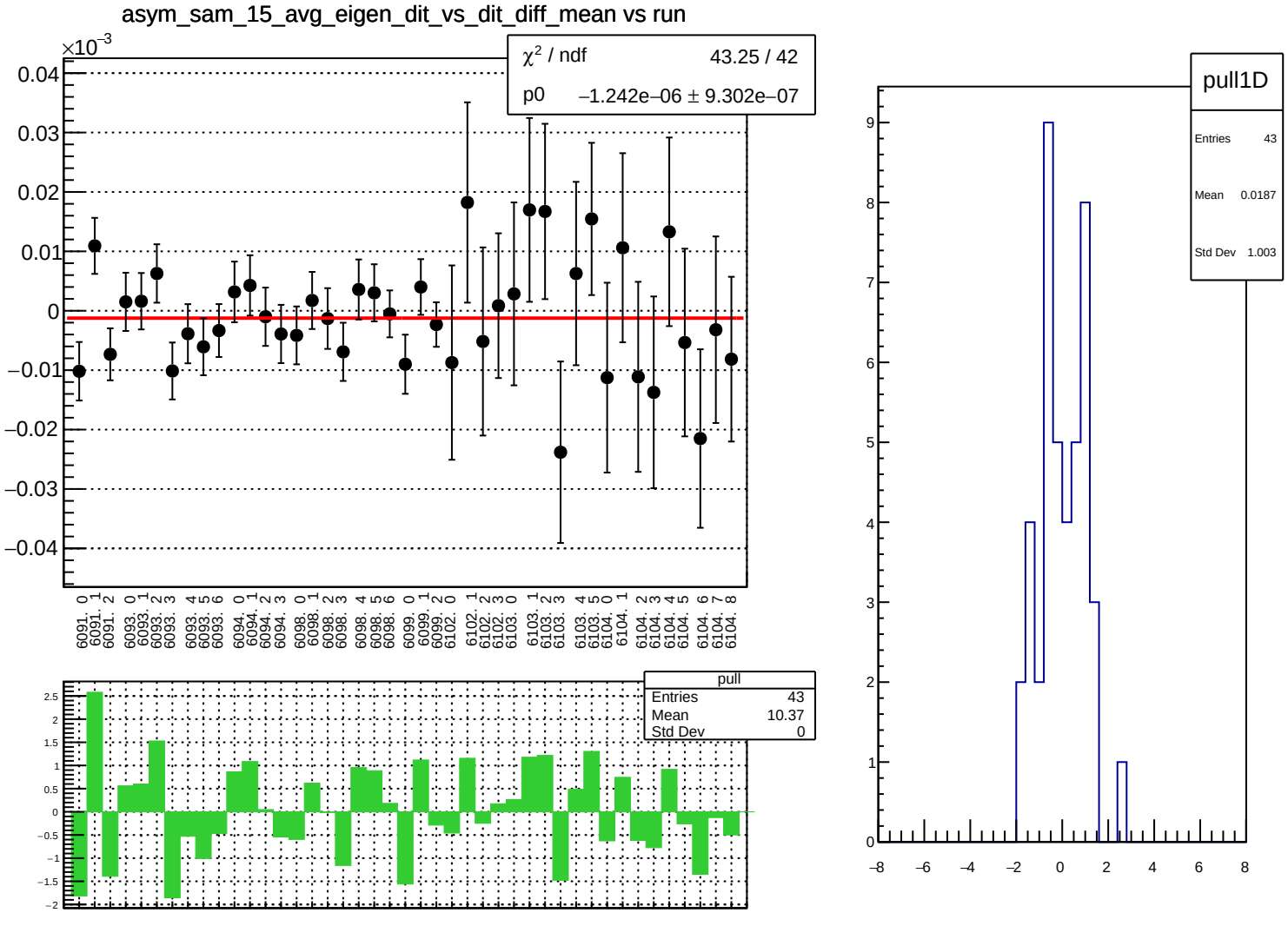

asym_sam_15_avg_dit_vs_cor_diff_mean vs run
χ² / ndf 47.78 / 42
p0 0.01044 ± 0.02189
pull
Entries 43
Mean 26.75
Std Dev 12.34

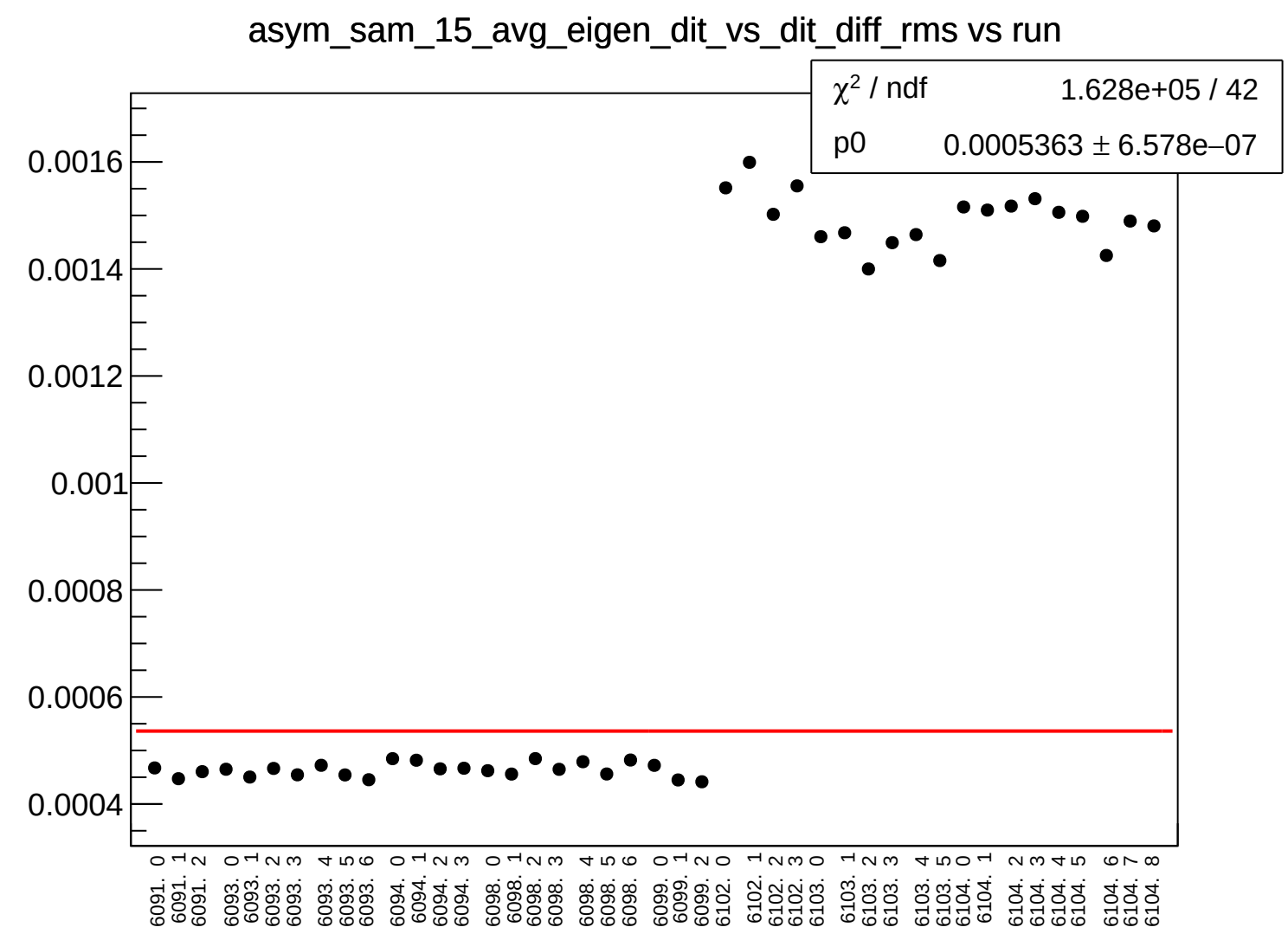

pull1D
Entries 43
Mean 0.04751
Std Dev 1.053

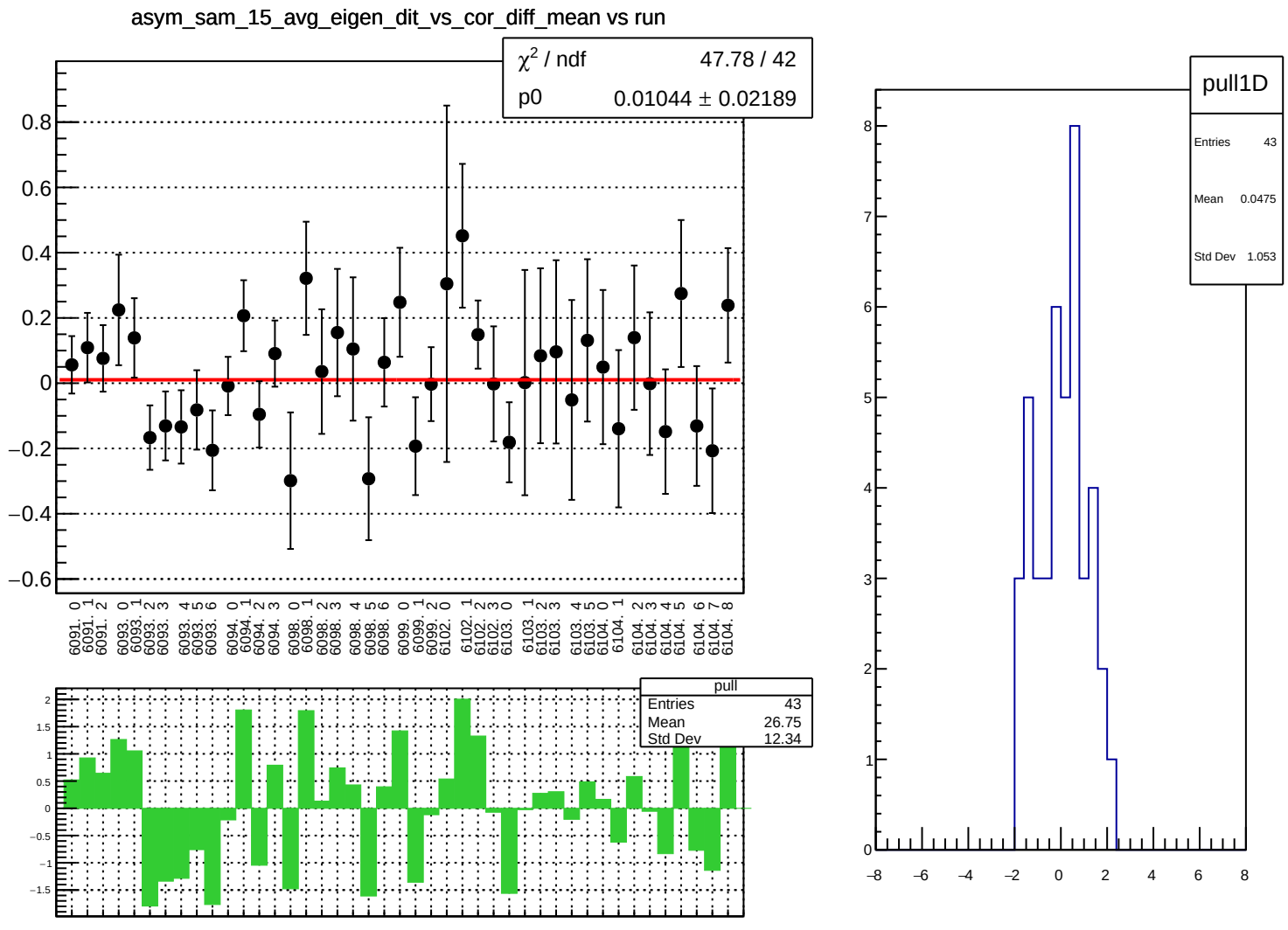

asym_sam_15_avg_dit_vs_cor_diff_rms vs run
χ² / ndf 1.06e+05 / 42
p0 13.15 ± 0.01548
50
40
30
20
10
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

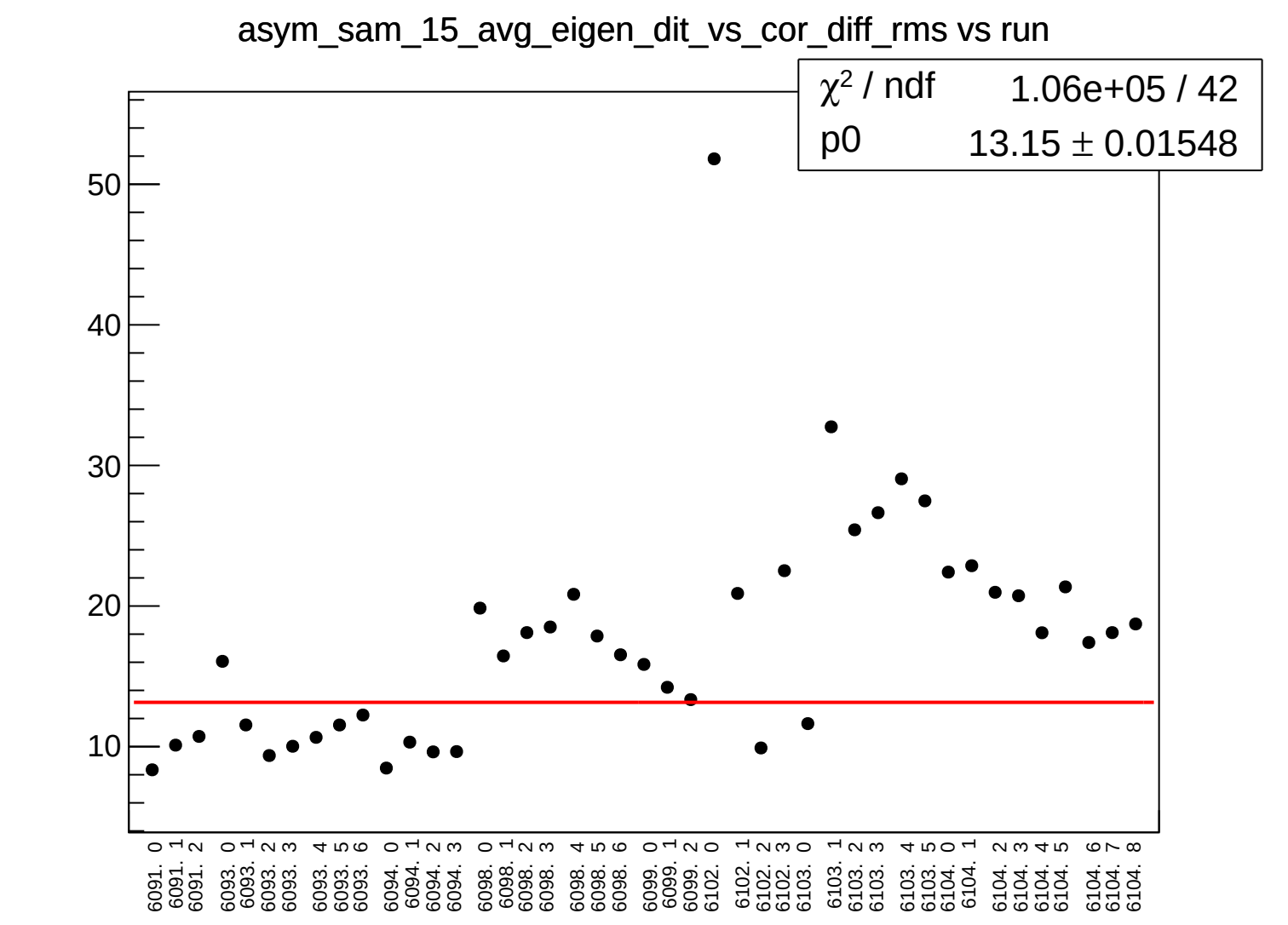

asym_sam_15_avg_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 47.78 / 42
p0 0.01044 ± 0.02189
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 26.75
Std Dev 12.34
2
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 43
Mean 0.04751
Std Dev 1.053
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

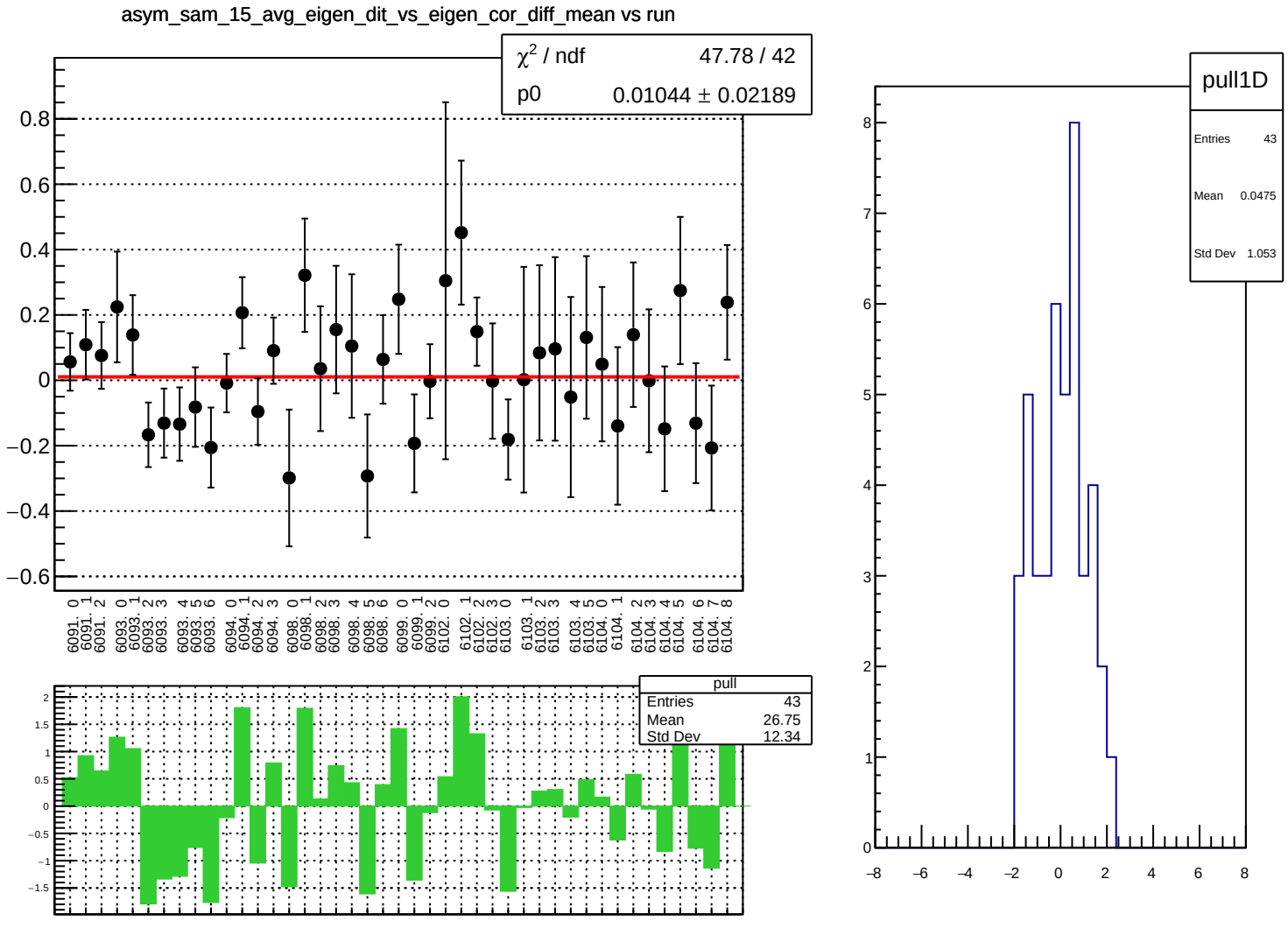

asym_sam_15_avg_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.06e+05 / 42
p0 13.15 ± 0.01548
50
40
30
20
10
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

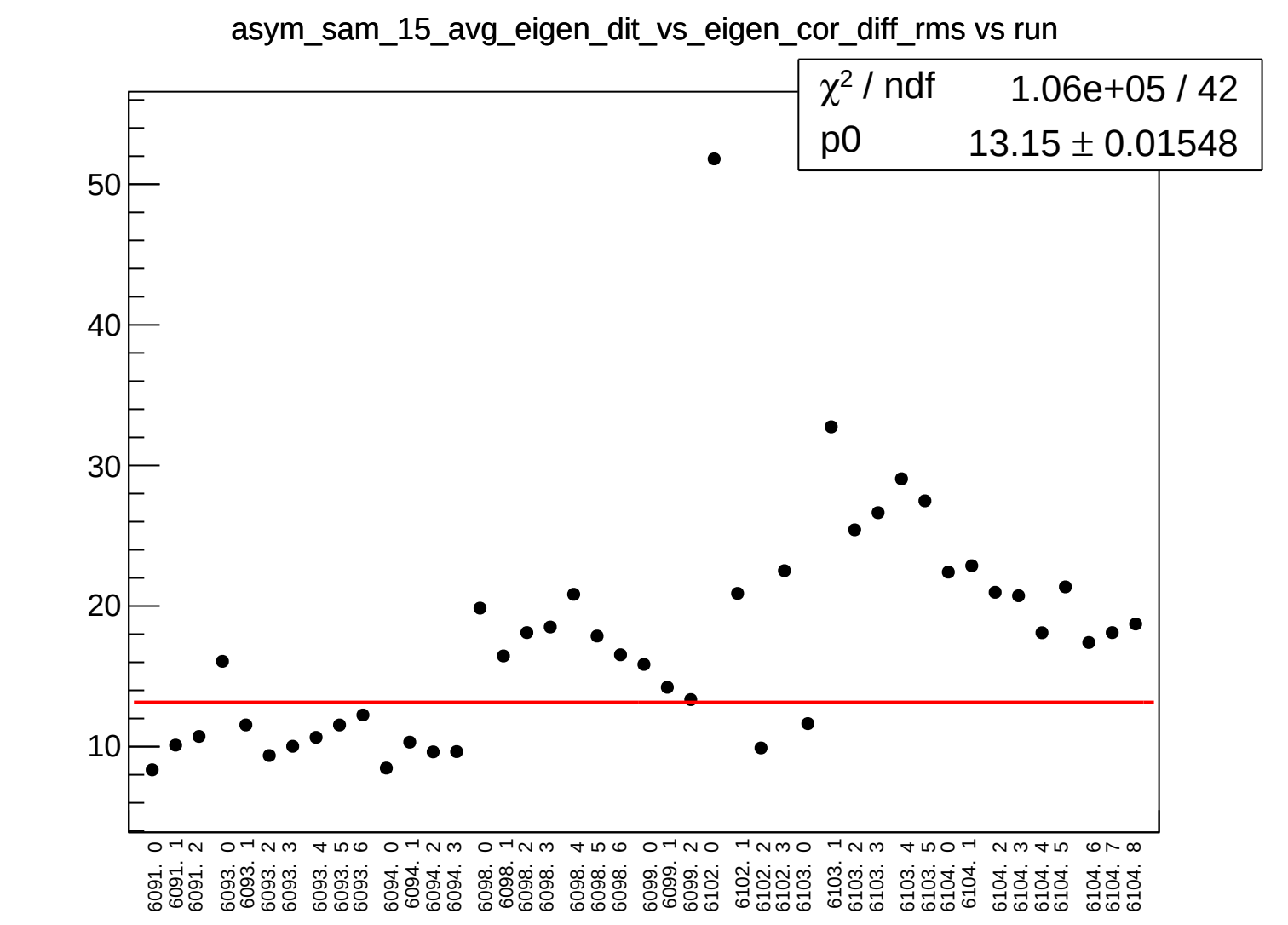

asym_sam_15_avg_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 43.25 / 42
p0 −1.242e−06 ± 9.302e−07
0.04
0.03
0.02
0.01
0
−0.01
−0.02
−0.03
−0.04
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 10.37
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 43
Mean 0.0187
Std Dev 1.003
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

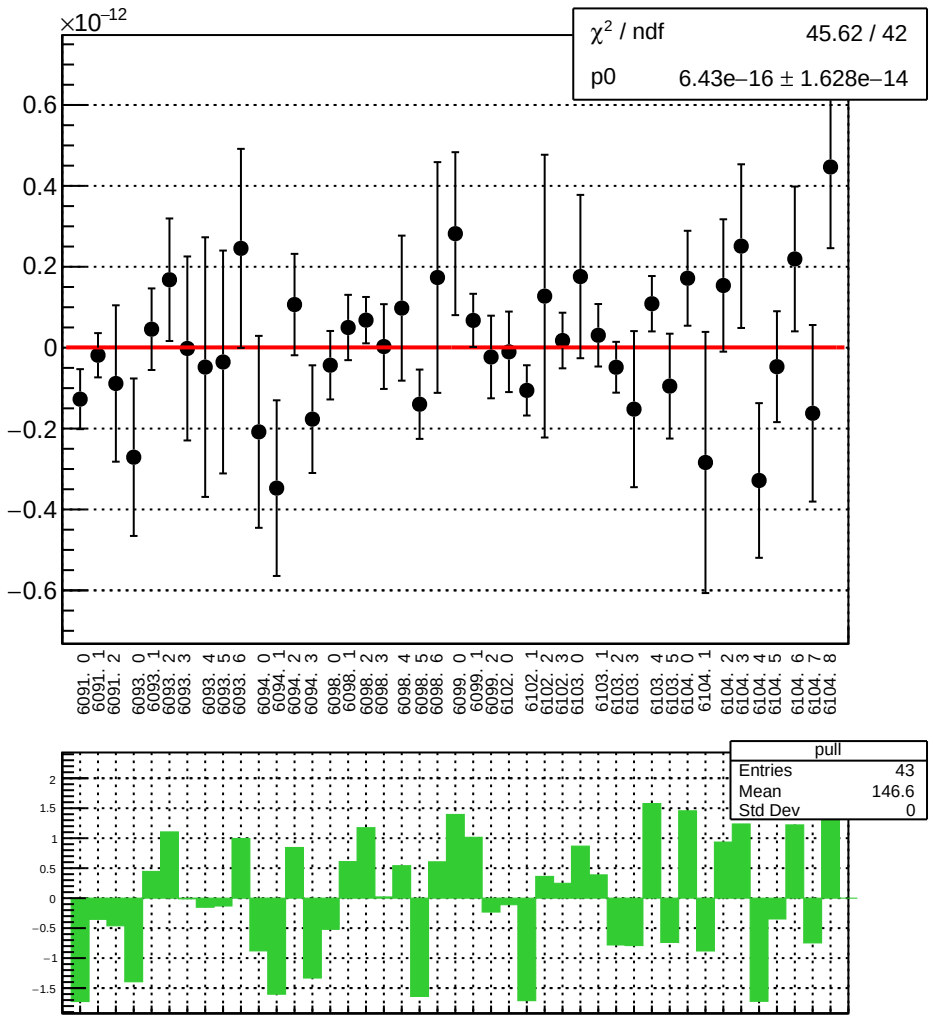

asym_sam_15_avg_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 1.628e+05 / 42
p0 0.0005363 ± 6.578e−07
0.0016
0.0014
0.0012
0.001
0.0008
0.0006
0.0004
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

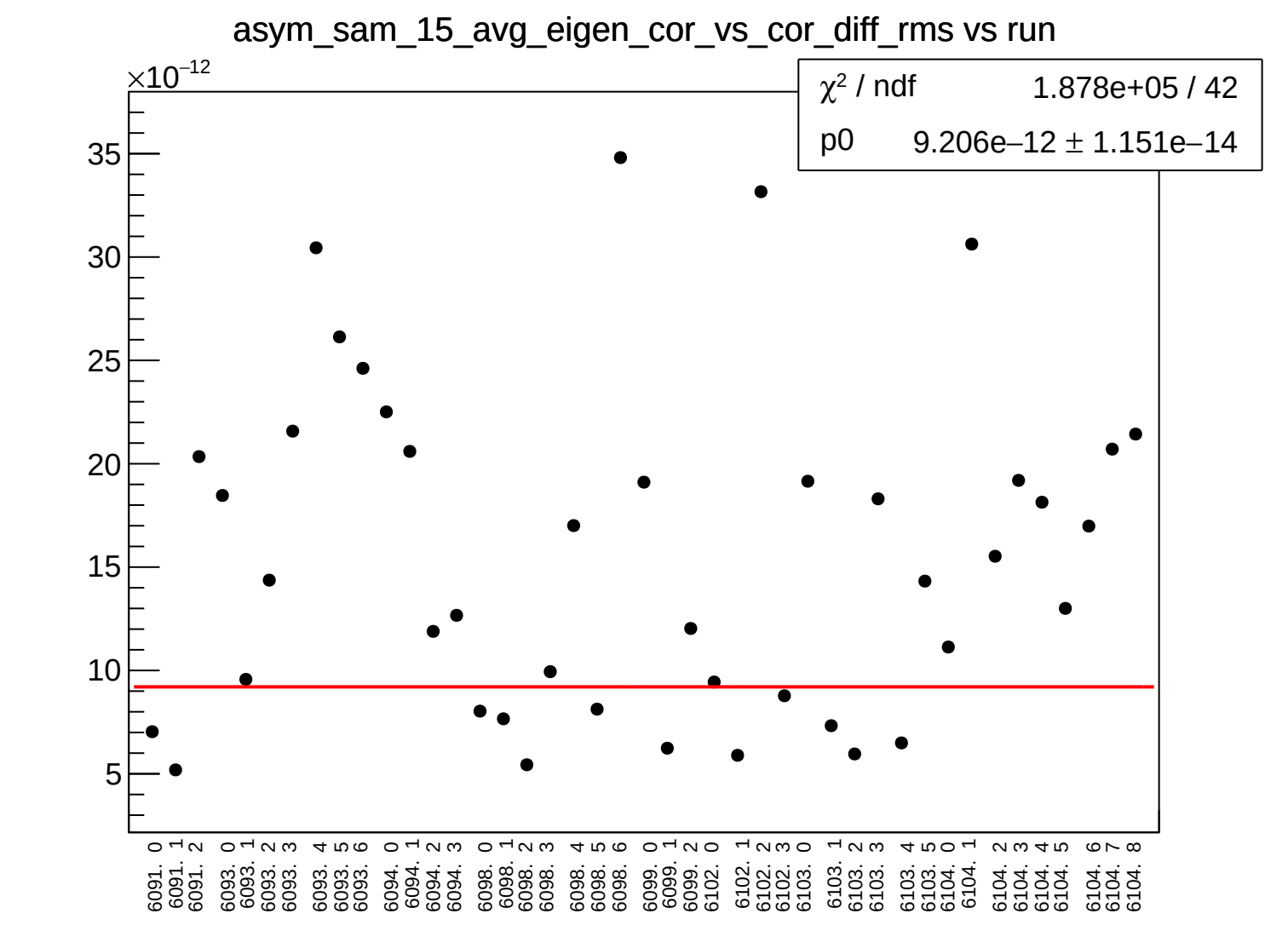

asym_sam_15_avg_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 47.78 / 42
p0 0.01044 ± 0.02189
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 26.75
Std Dev 12.34
2
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 43
Mean 0.0475
Std Dev 1.053
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

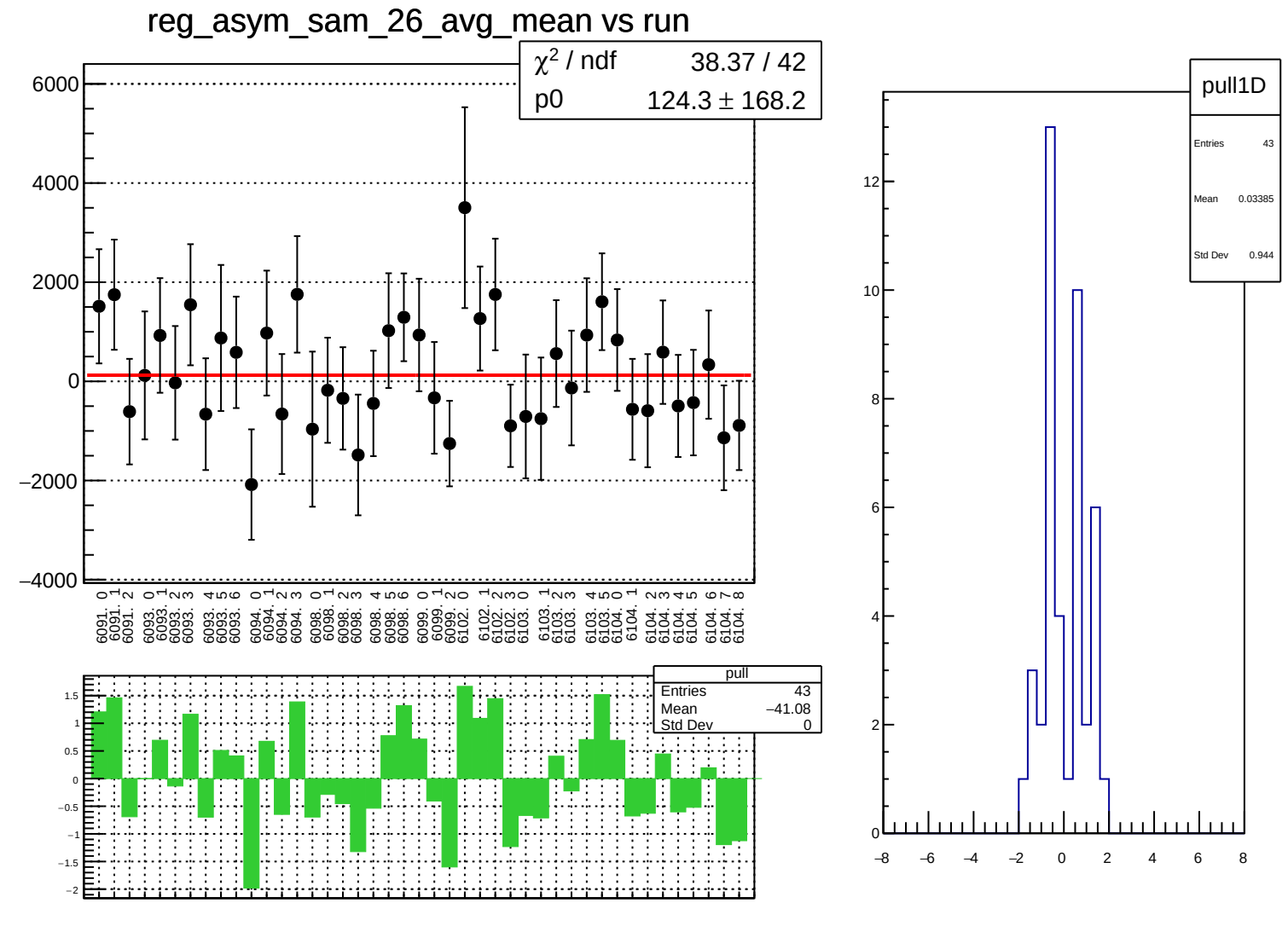

asym_sam_15_avg_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 1.06e+05 / 42
p0 13.15 ± 0.01548
50
40
30
20
10
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

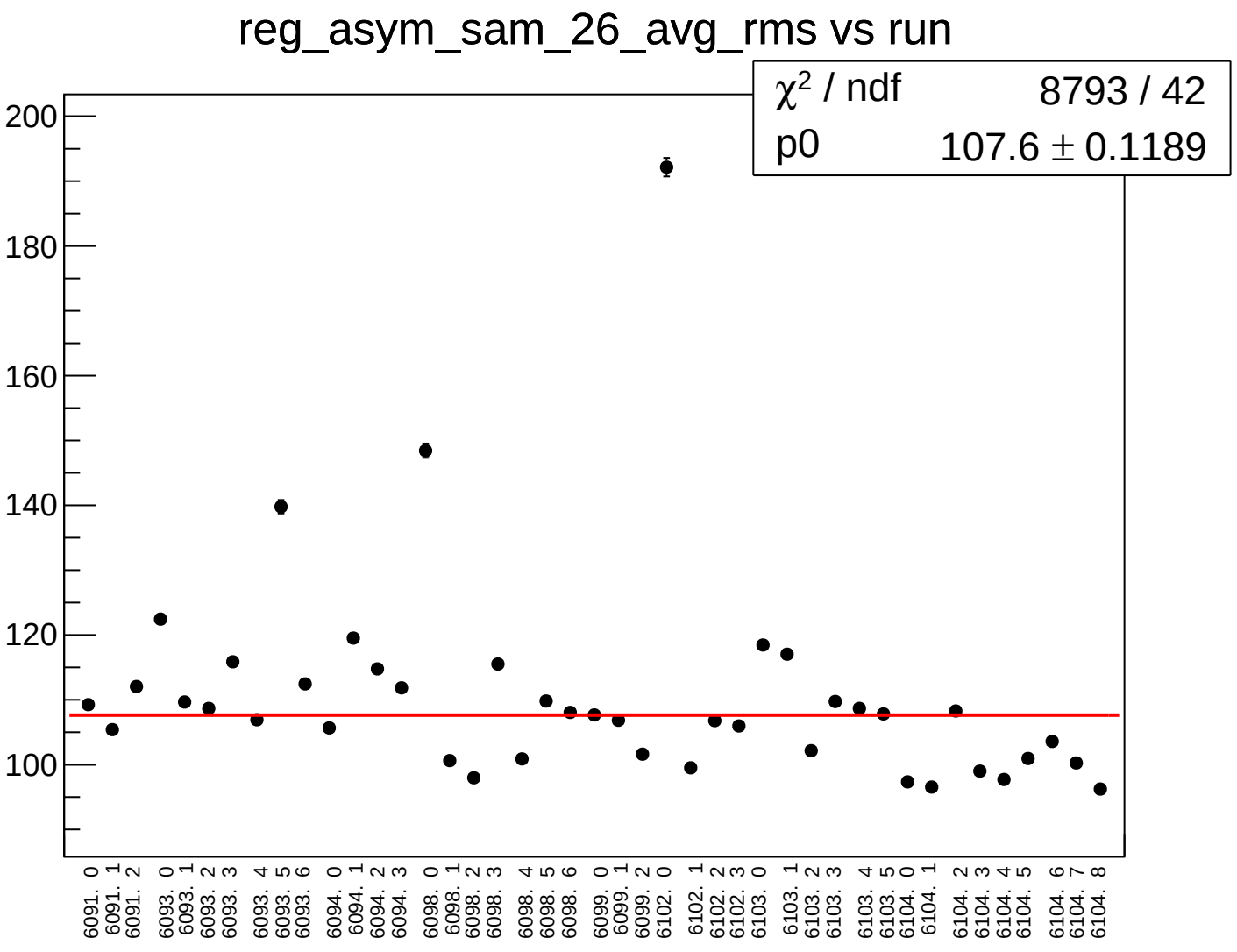

asym_sam_15_avg_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 47.78 / 42
p0 0.01044 ± 0.02189
pull
Entries 43
Mean 26.75
Std Dev 12.34
pull1D
Entries 43
Mean 0.0475
Std Dev 1.053

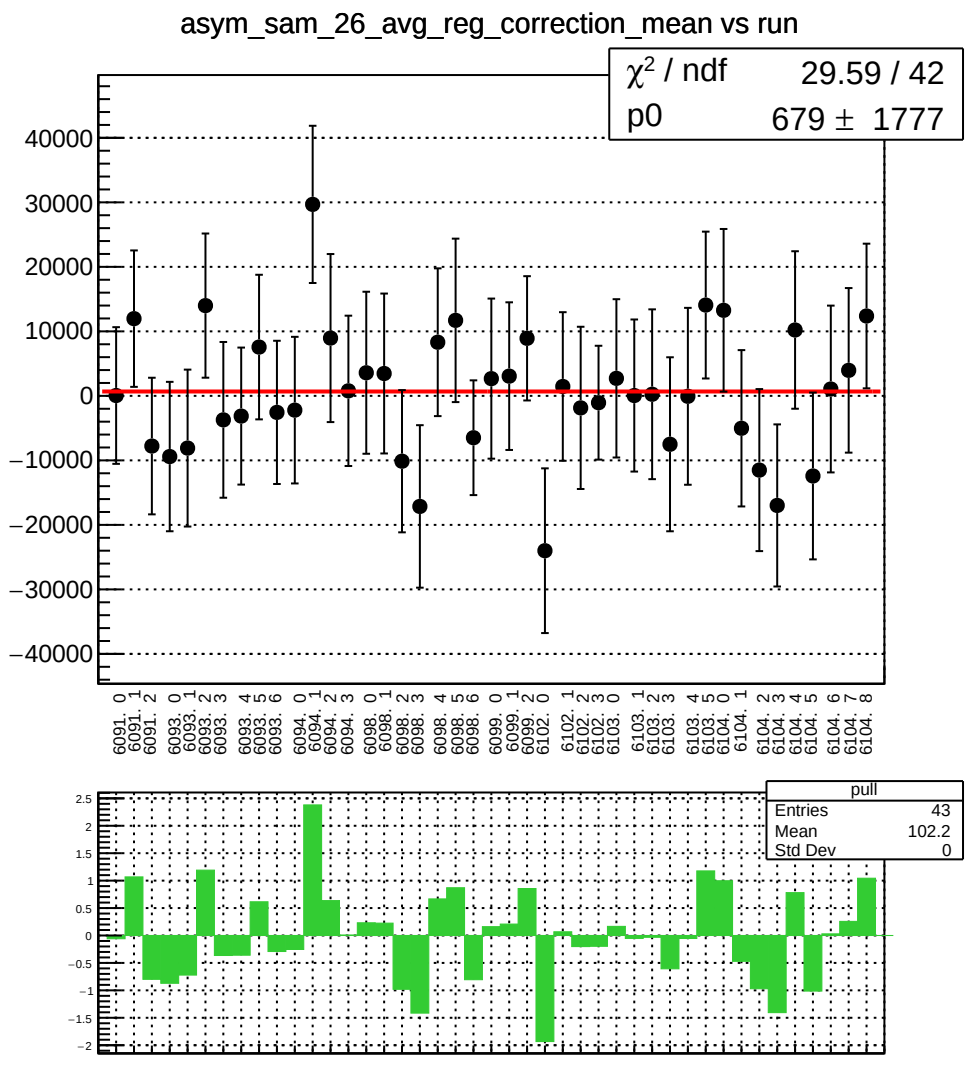

asym_sam_15_avg_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.06e+05 / 42
p0 13.15 ± 0.01548
50
40
30
20
10
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

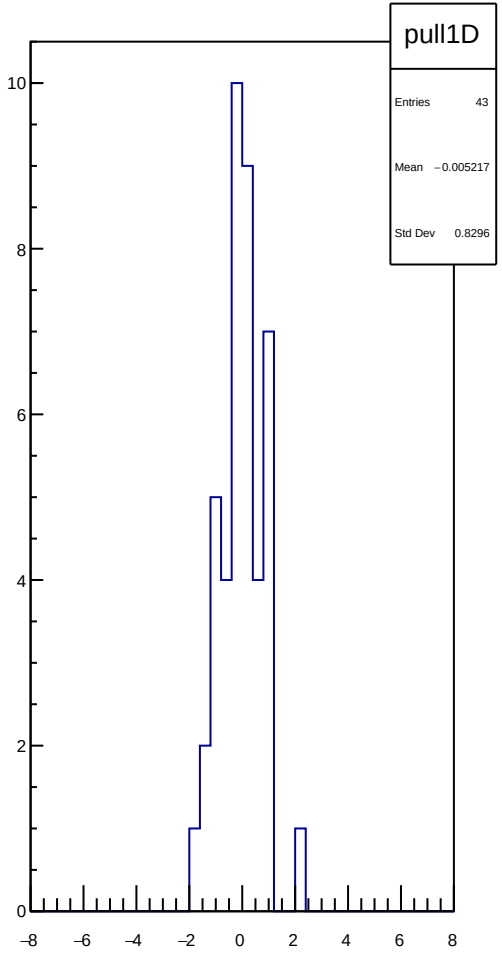

asym_sam_15_avg_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 45.62 / 42
p0 6.43e−16 ± 1.628e−14
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 146.6
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 43
Mean 0.02362
Std Dev 1.03
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

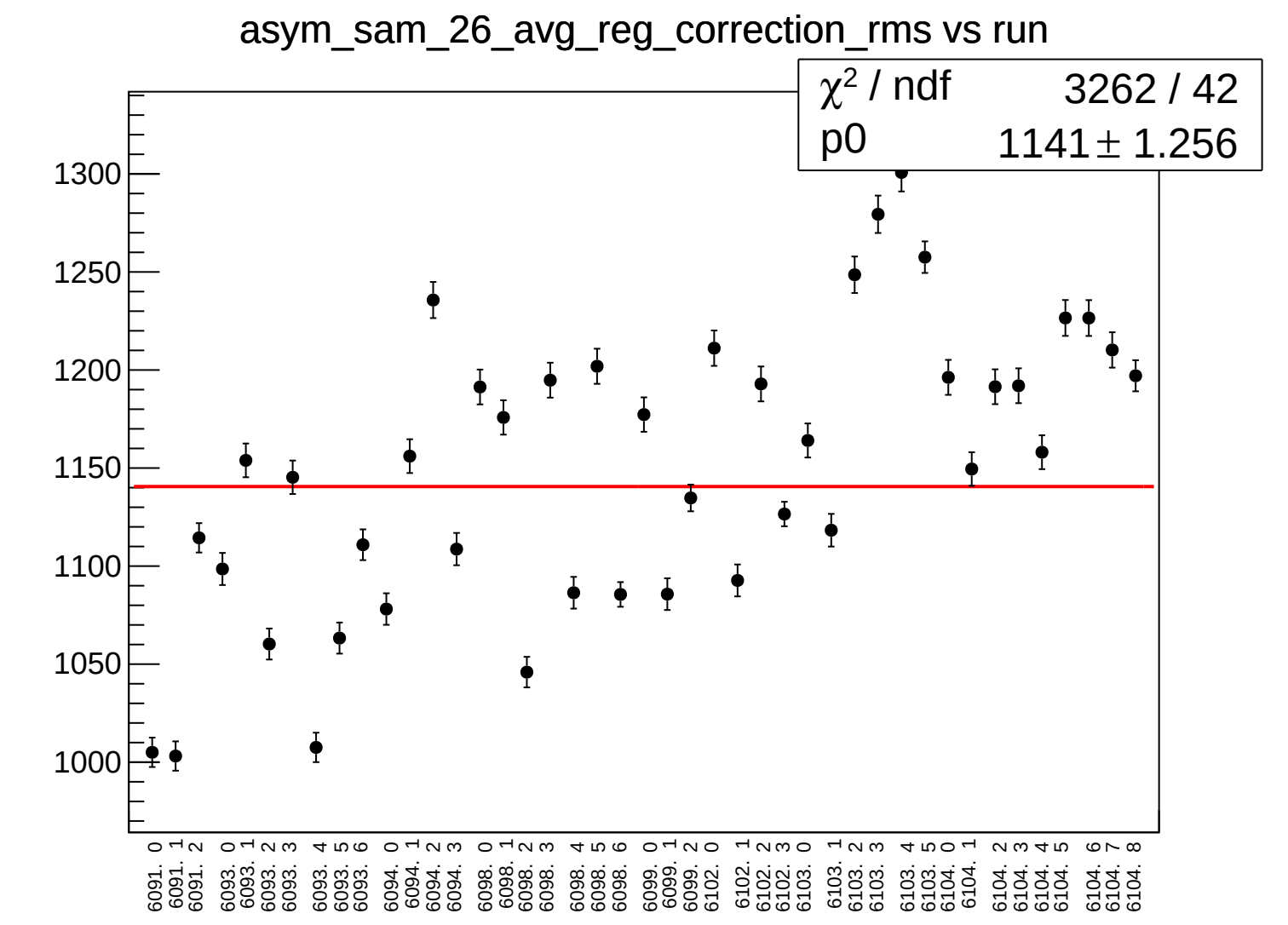

asym_sam_15_avg_eigen_cor_vs_cor_diff_rms vs run
×10⁻¹²
χ² / ndf 1.878e+05 / 42
p0 9.206e−12 ± 1.151e−14
35
30
25
20
15
10
5
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

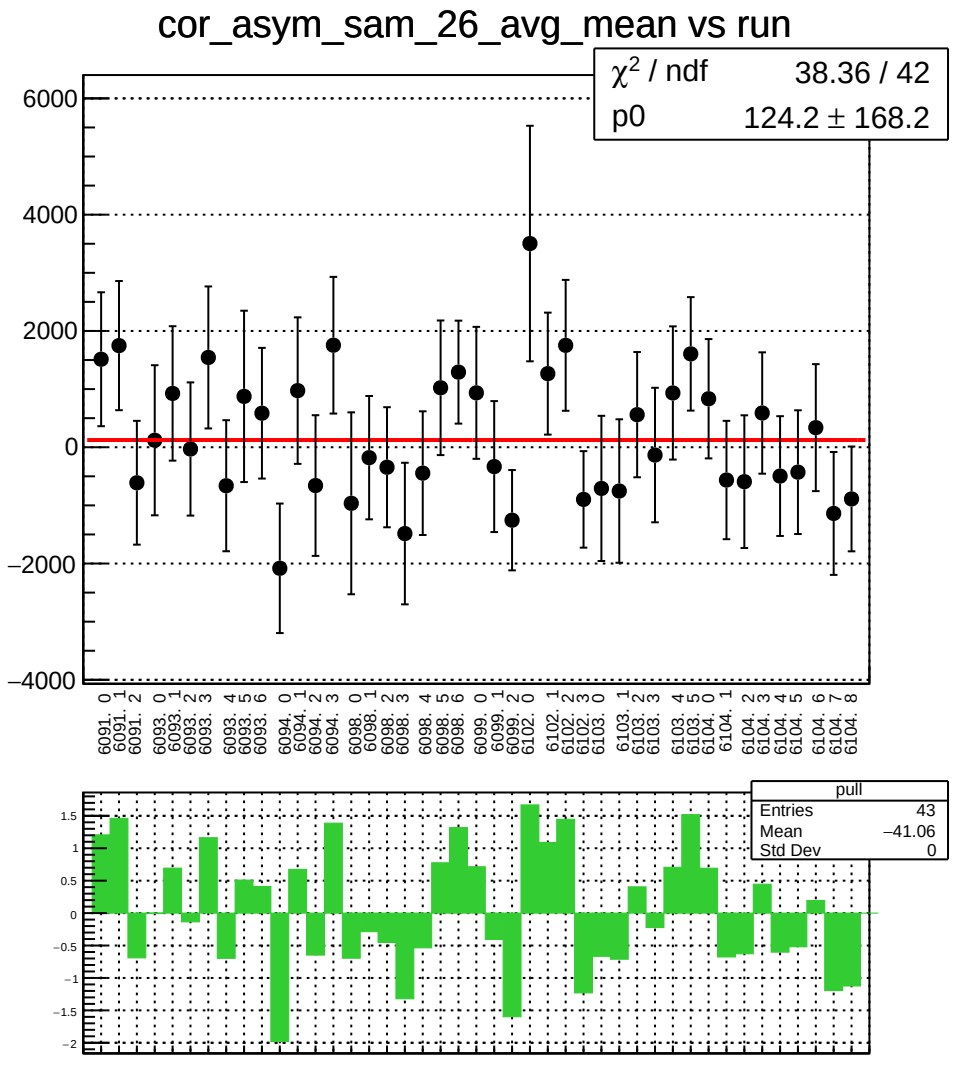

reg_asym_sam_26_avg_mean vs run
χ² / ndf 38.37 / 42
p0 124.3 ± 168.2
6000
4000
2000
0
−2000
−4000
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean −41.08
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 43
Mean 0.03385
Std Dev 0.944
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

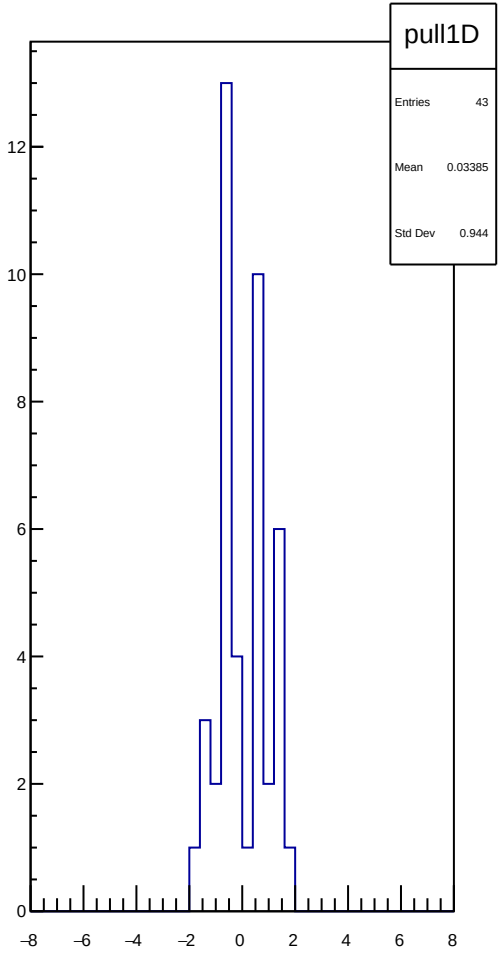

reg_asym_sam_26_avg_rms vs run
χ² / ndf 8793 / 42
p0 107.6 ± 0.1189
200
180
160
140
120
100
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

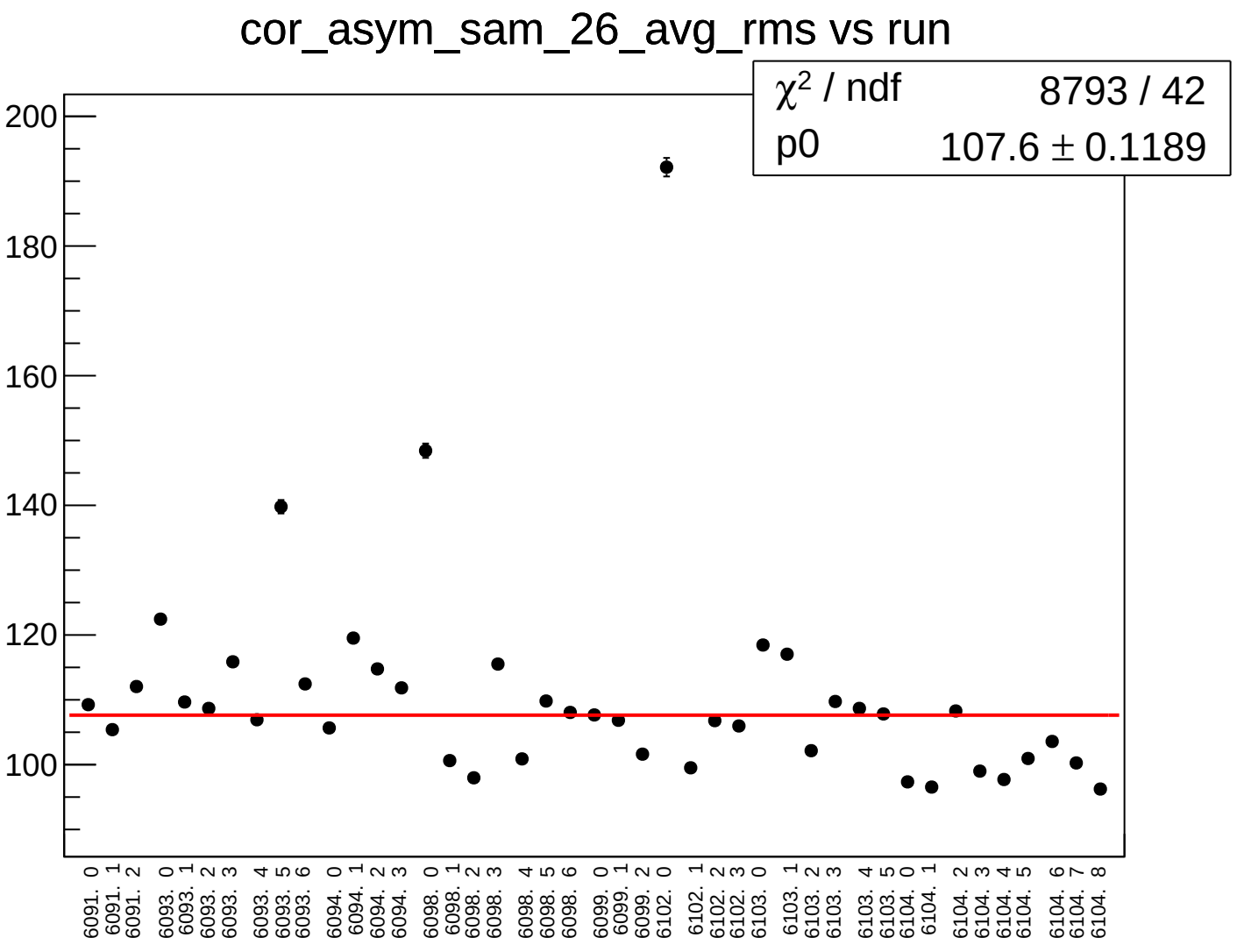

asym_sam_26_avg_reg_correction_mean vs run
χ² / ndf 29.59 / 42
p0 679 ± 1777
40000
30000
20000
10000
0
−10000
−20000
−30000
−40000
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 102.2
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

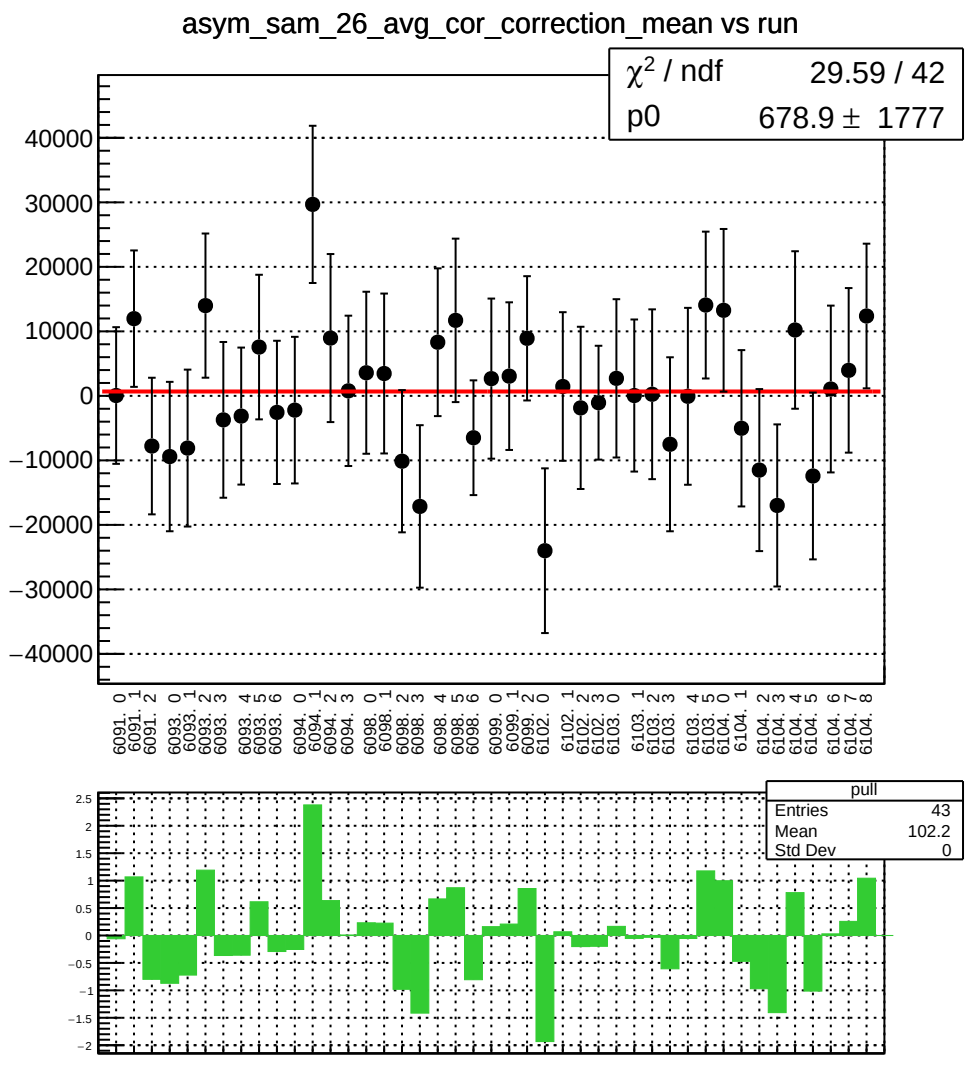

pull1D
Entries 43
Mean −0.005217
Std Dev 0.8296
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

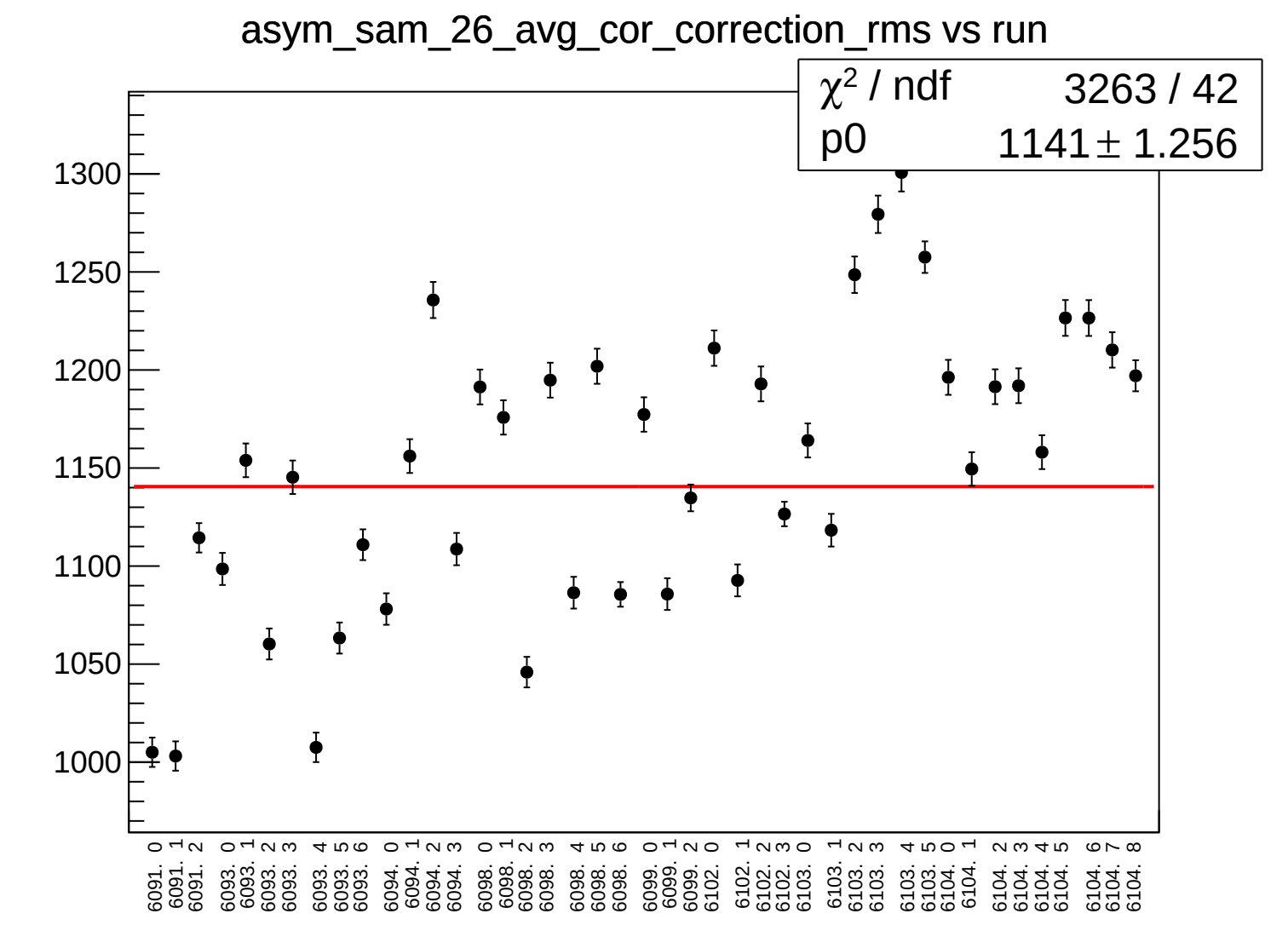

asym_sam_26_avg_reg_correction_rms vs run
χ² / ndf 3262 / 42
p0 1141 ± 1.256
1300
1250
1200
1150
1100
1050
1000
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

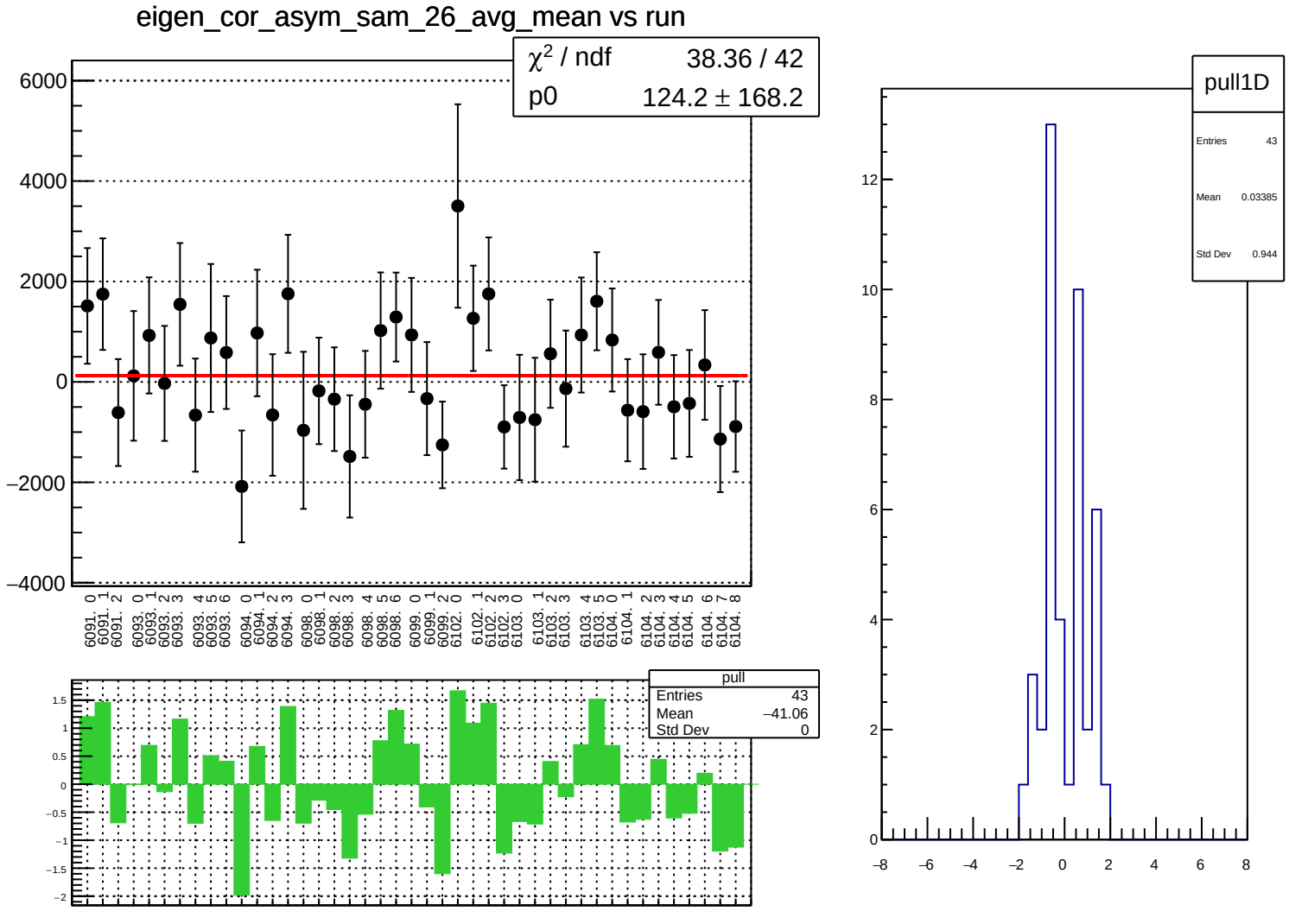

cor_asym_sam_26_avg_mean vs run
χ² / ndf 38.36 / 42
p0 124.2 ± 168.2
6000
4000
2000
0
−2000
−4000
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean −41.06
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2

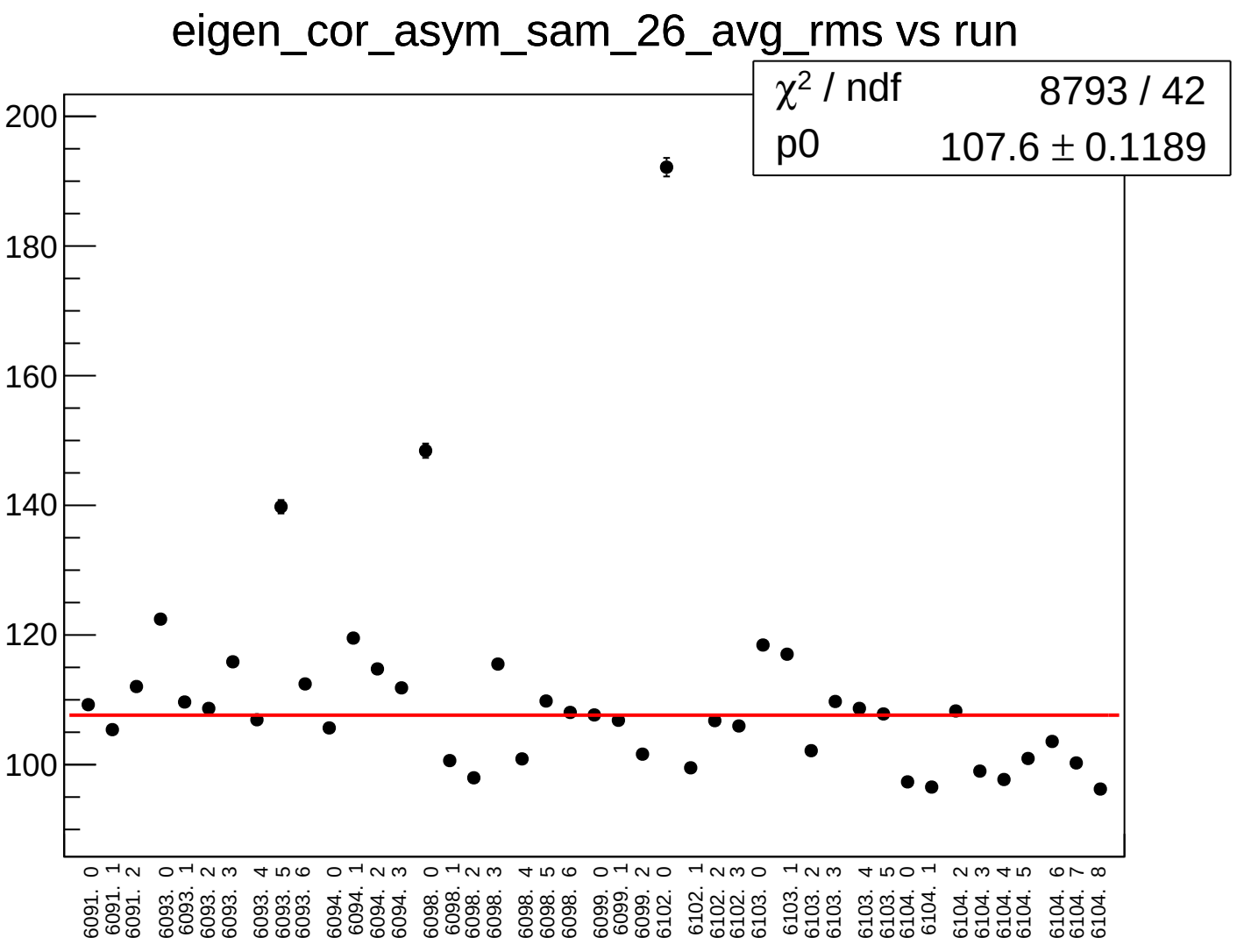

pull1D
Entries 43
Mean 0.03385
Std Dev 0.944
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

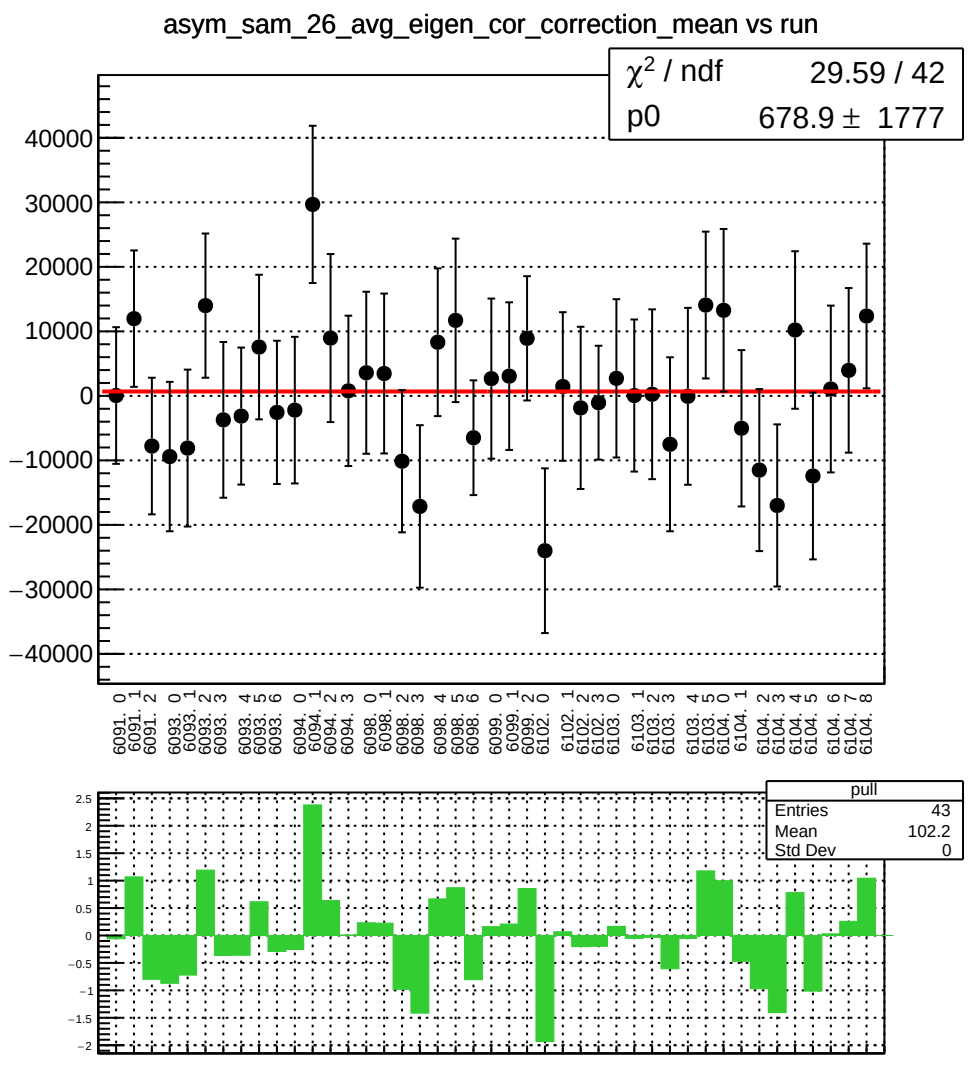

cor_asym_sam_26_avg_rms vs run
χ² / ndf 8793 / 42
p0 107.6 ± 0.1189
200
180
160
140
120
100
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8


asym_sam_26_avg_cor_correction_mean vs run
χ² / ndf 29.59 / 42
p0 678.9 ± 1777
40000
30000
20000
10000
0
−10000
−20000
−30000
−40000
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 102.2
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 43
Mean −0.005216
Std Dev 0.8296
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 3263 / 42
p0 1141 ± 1.256
1300
1250
1200
1150
1100
1050
1000
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8


eigen_cor_asym_sam_26_avg_mean vs run
χ² / ndf 38.36 / 42
p0 124.2 ± 168.2
6000
4000
2000
0
−2000
−4000
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean −41.06
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 43
Mean 0.03385
Std Dev 0.944
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


eigen_cor_asym_sam_26_avg_rms vs run
χ² / ndf 8793 / 42
p0 107.6 ± 0.1189
200
180
160
140
120
100
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8


asym_sam_26_avg_eigen_cor_correction_mean vs run
χ² / ndf 29.59 / 42
p0 678.9 ± 1777
40000
30000
20000
10000
0
−10000
−20000
−30000
−40000
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
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6093. 6
6094. 0
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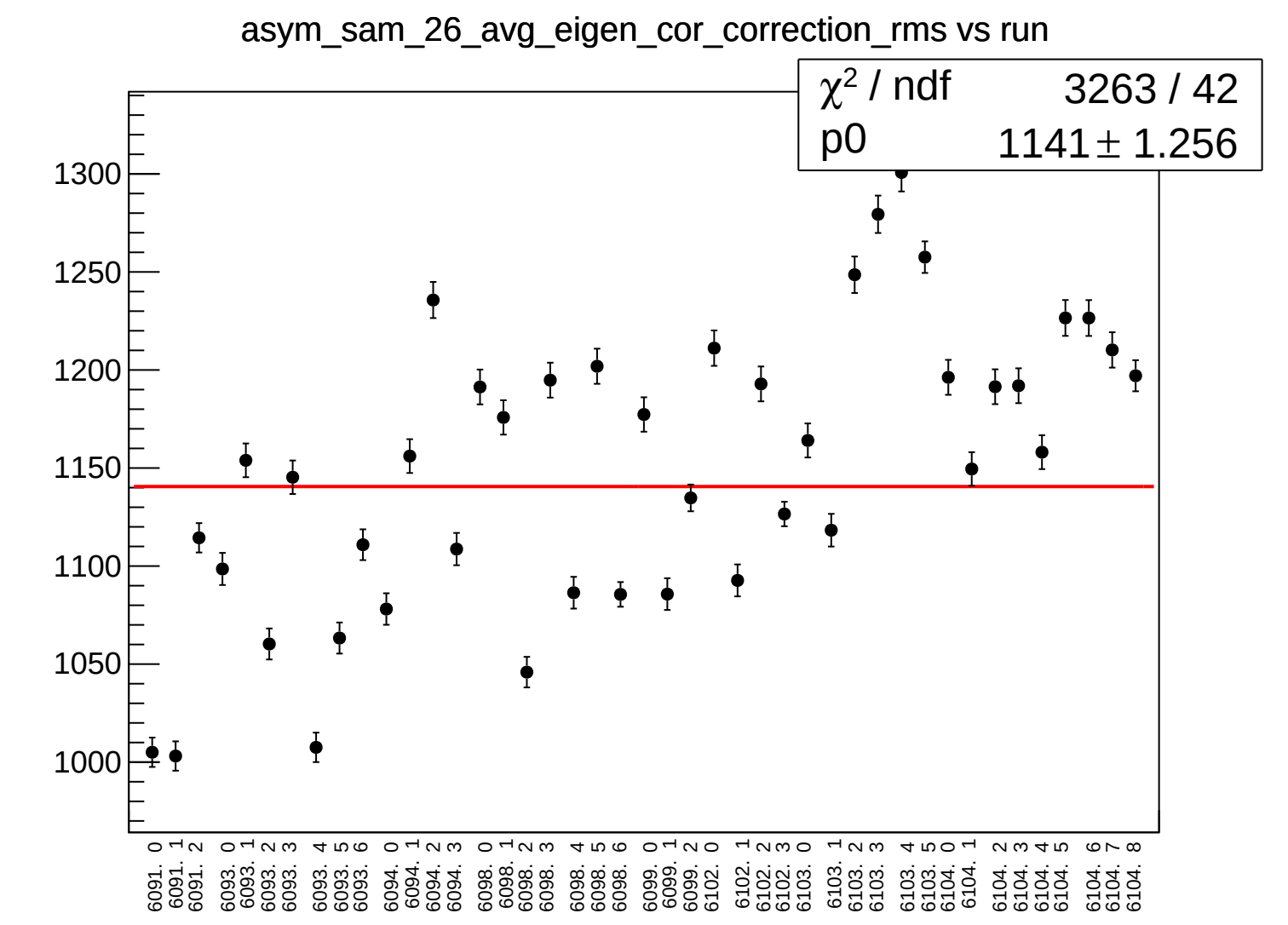
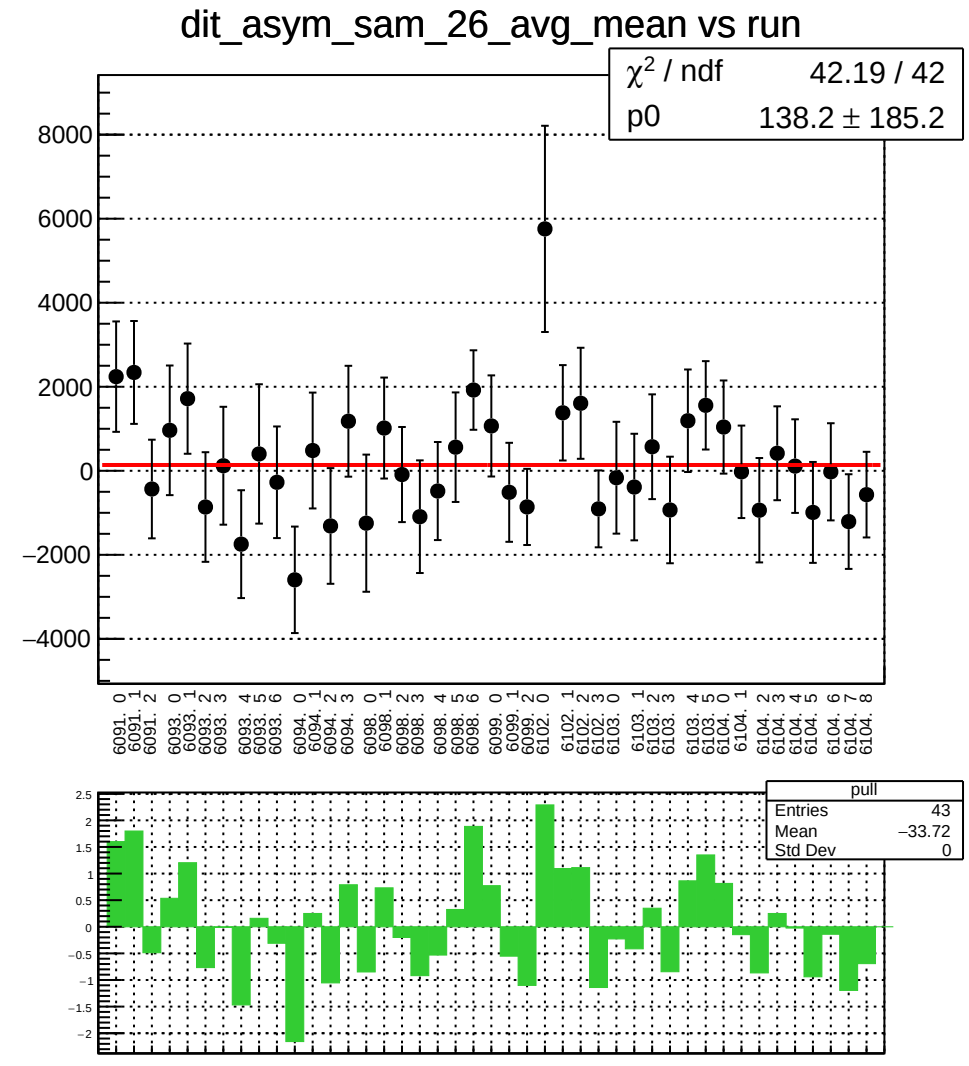
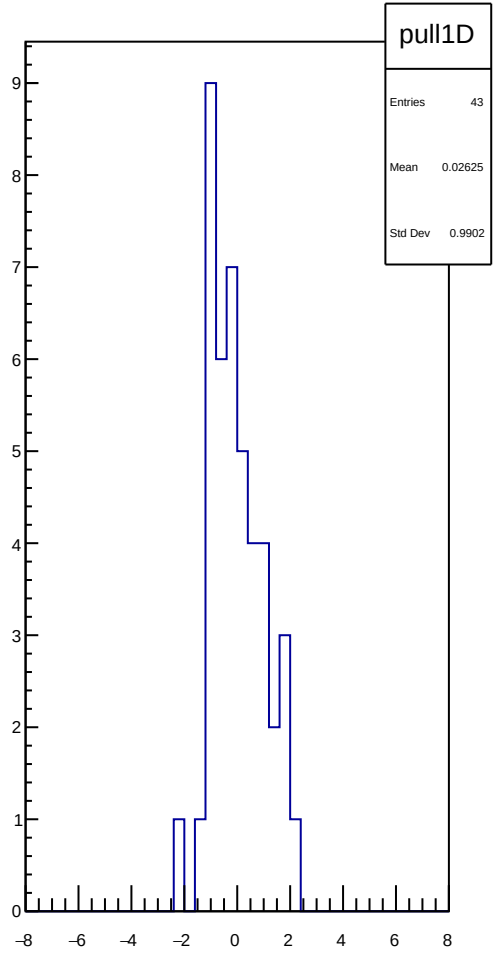
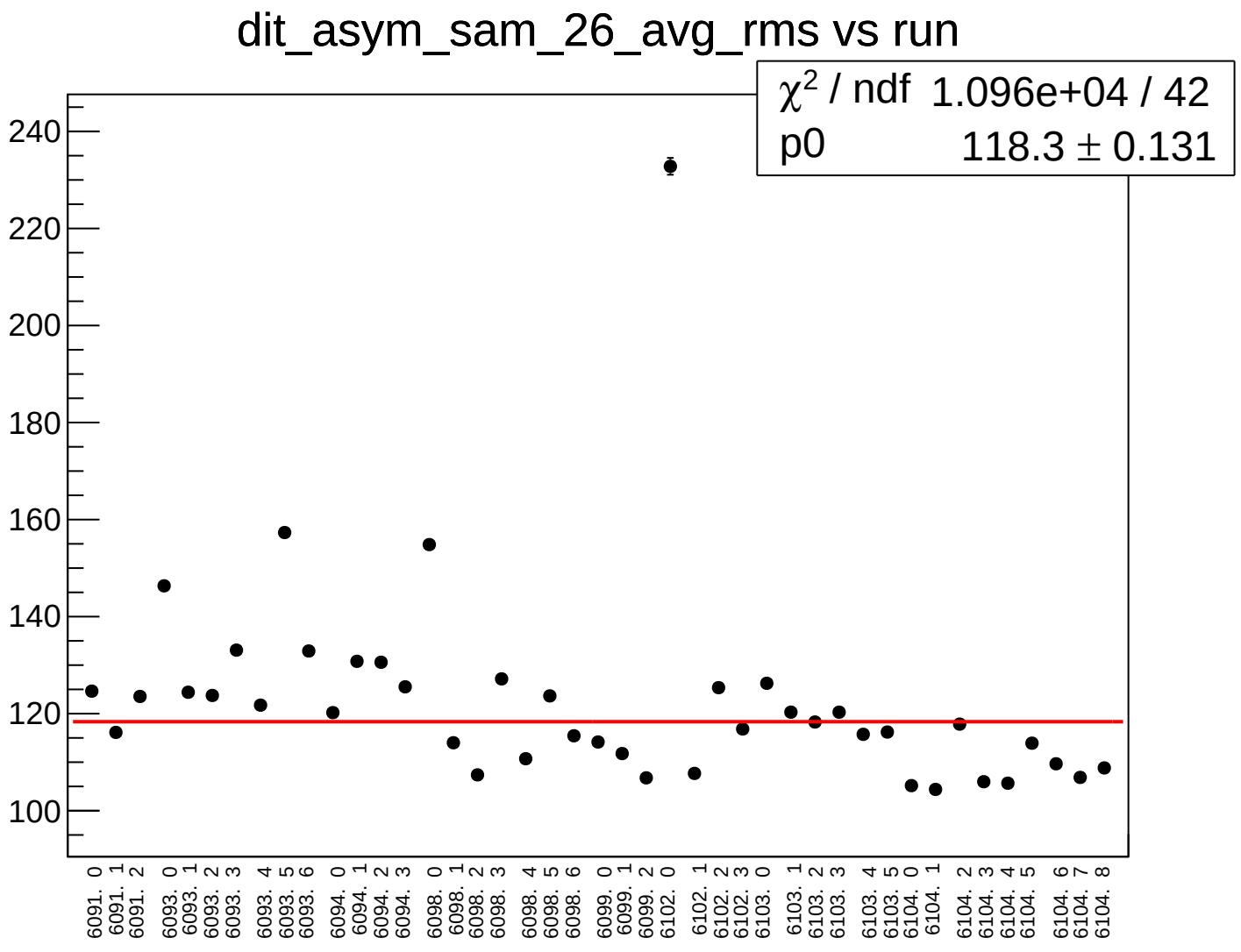
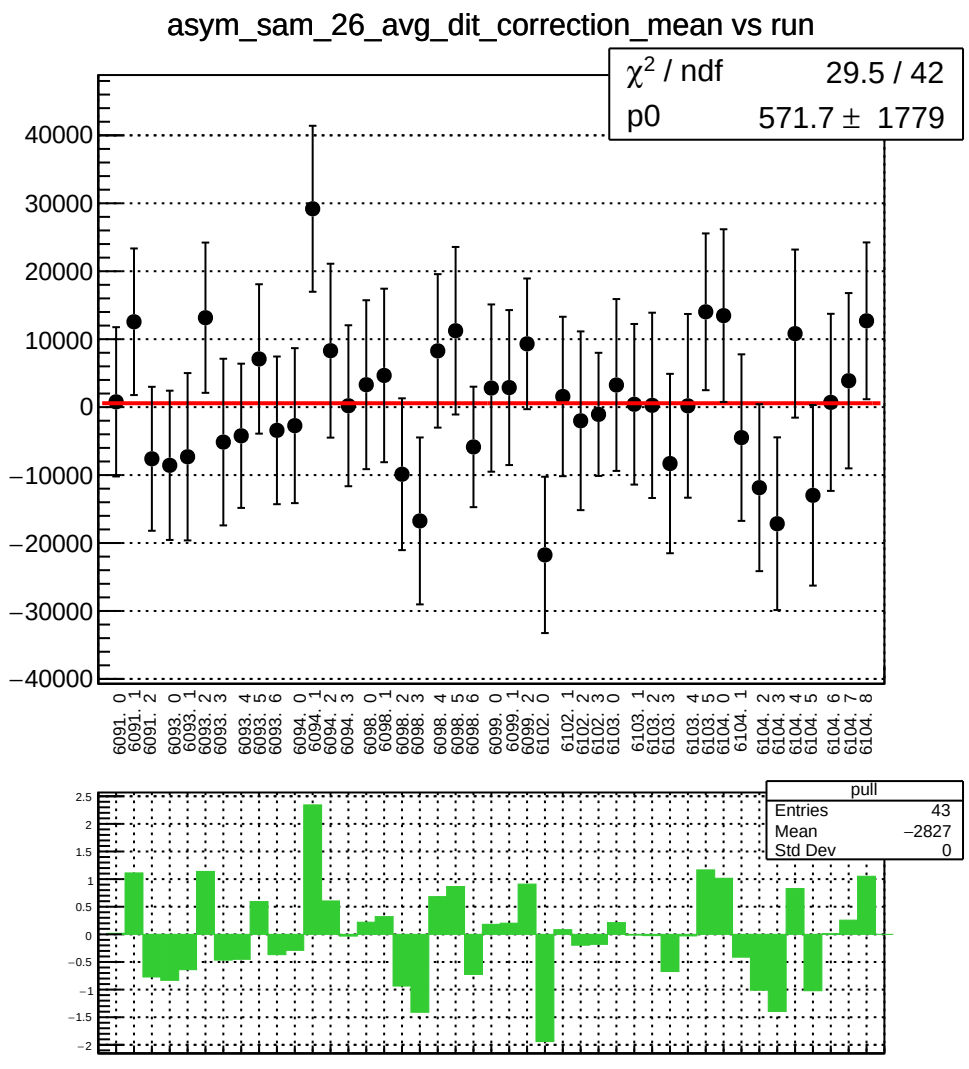
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 102.2
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 43
Mean −0.005216
Std Dev 0.8296
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

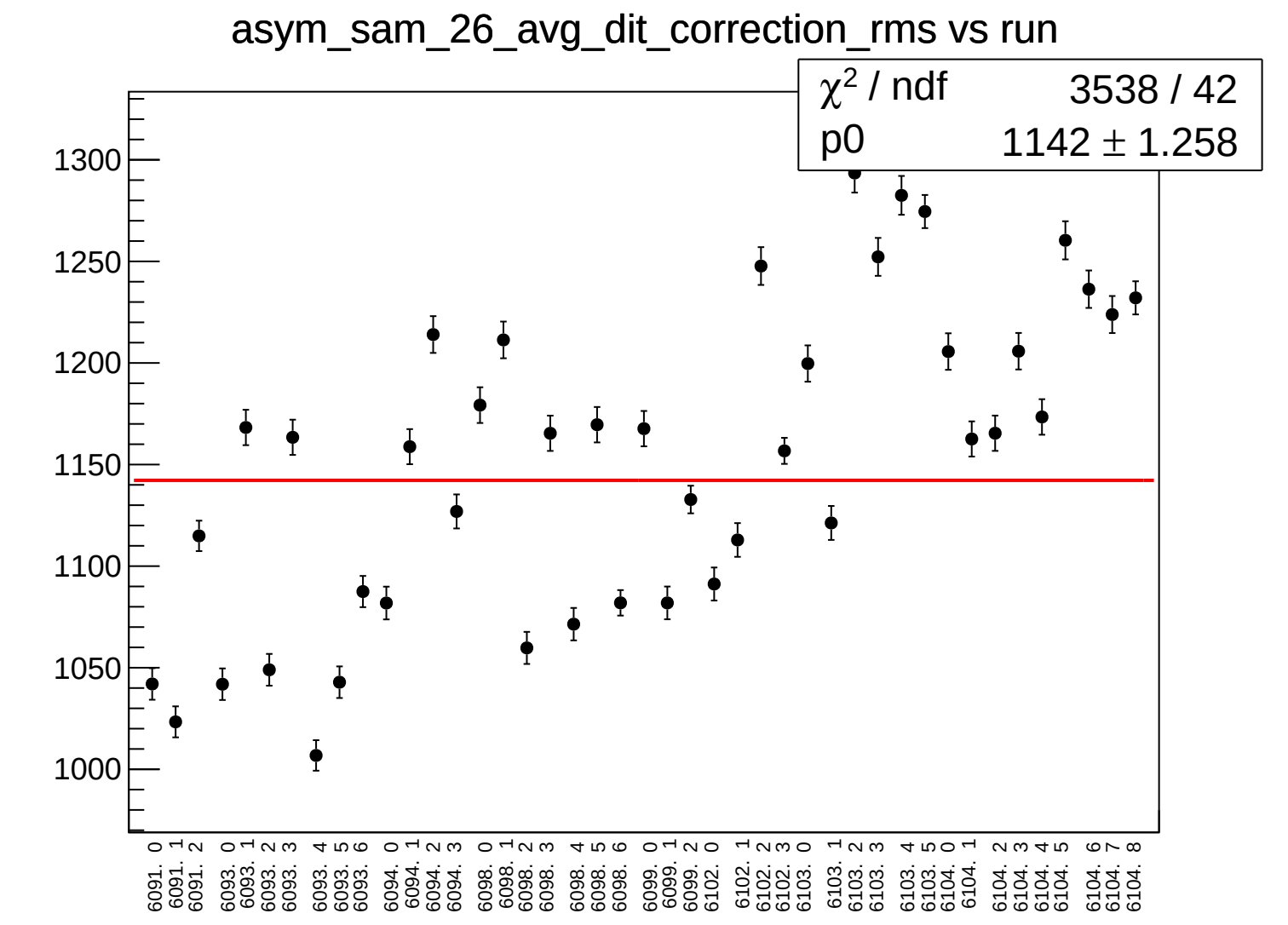

asym_sam_26_avg_eigen_cor_correction_rms vs run
χ² / ndf 3263 / 42
p0 1141 ± 1.256
1300
1250
1200
1150
1100
1050
1000
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

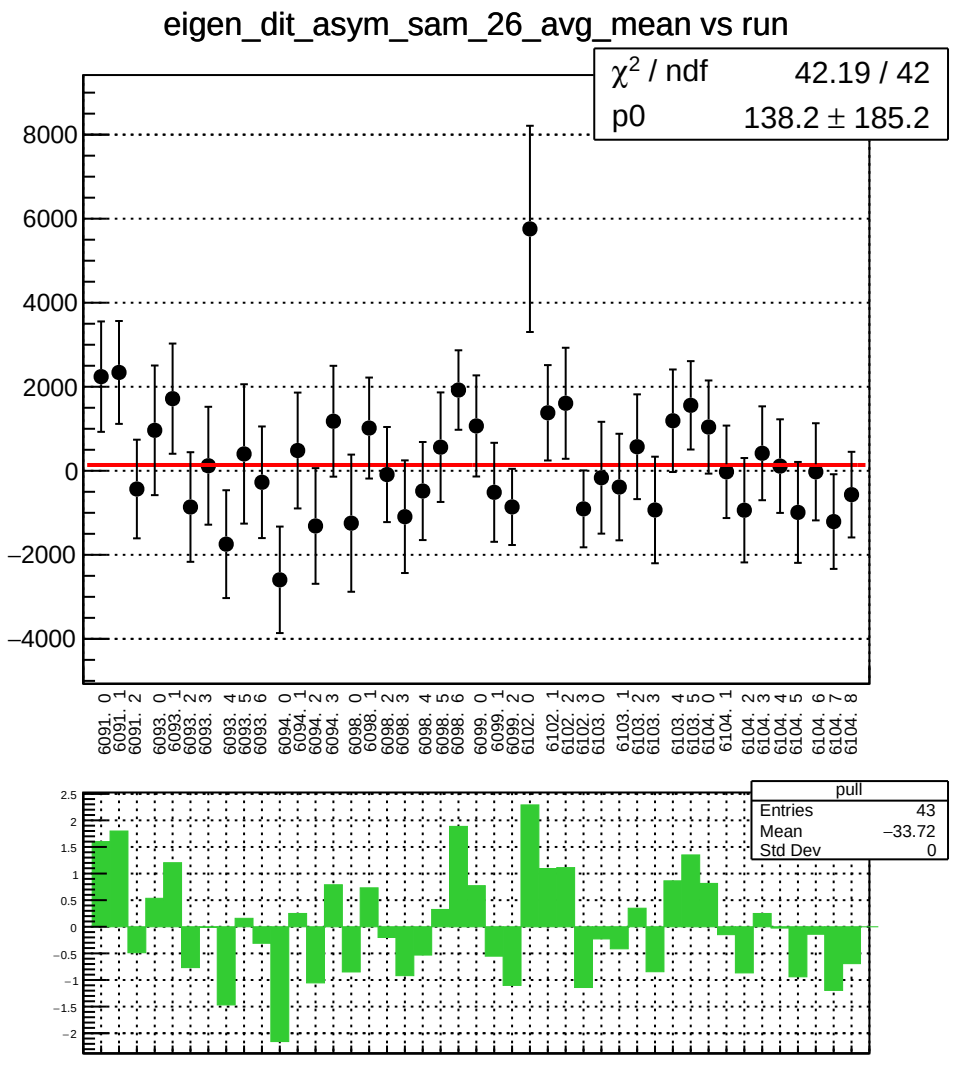

dit_asym_sam_26_avg_mean vs run
χ² / ndf 42.19 / 42
p0 138.2 ± 185.2
8000
6000
4000
2000
0
−2000
−4000
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean −33.72
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

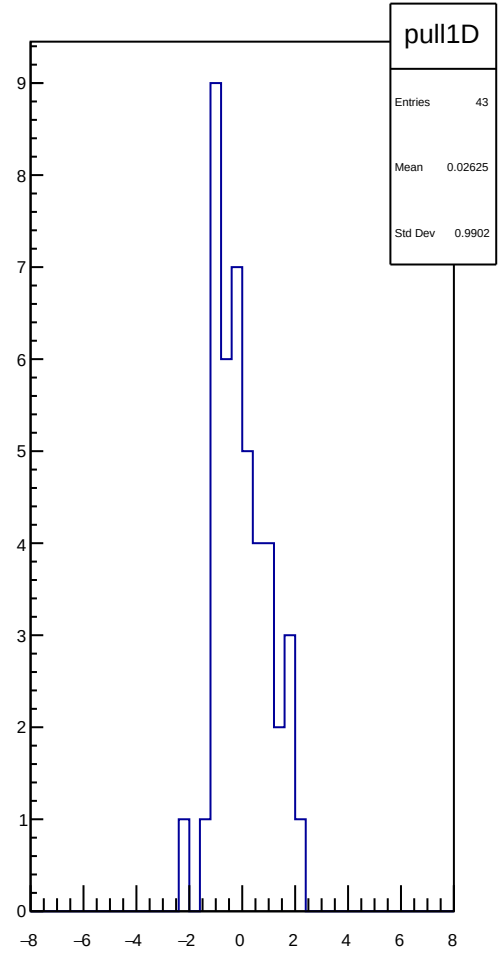

pull1D
Entries 43
Mean 0.02625
Std Dev 0.9902
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

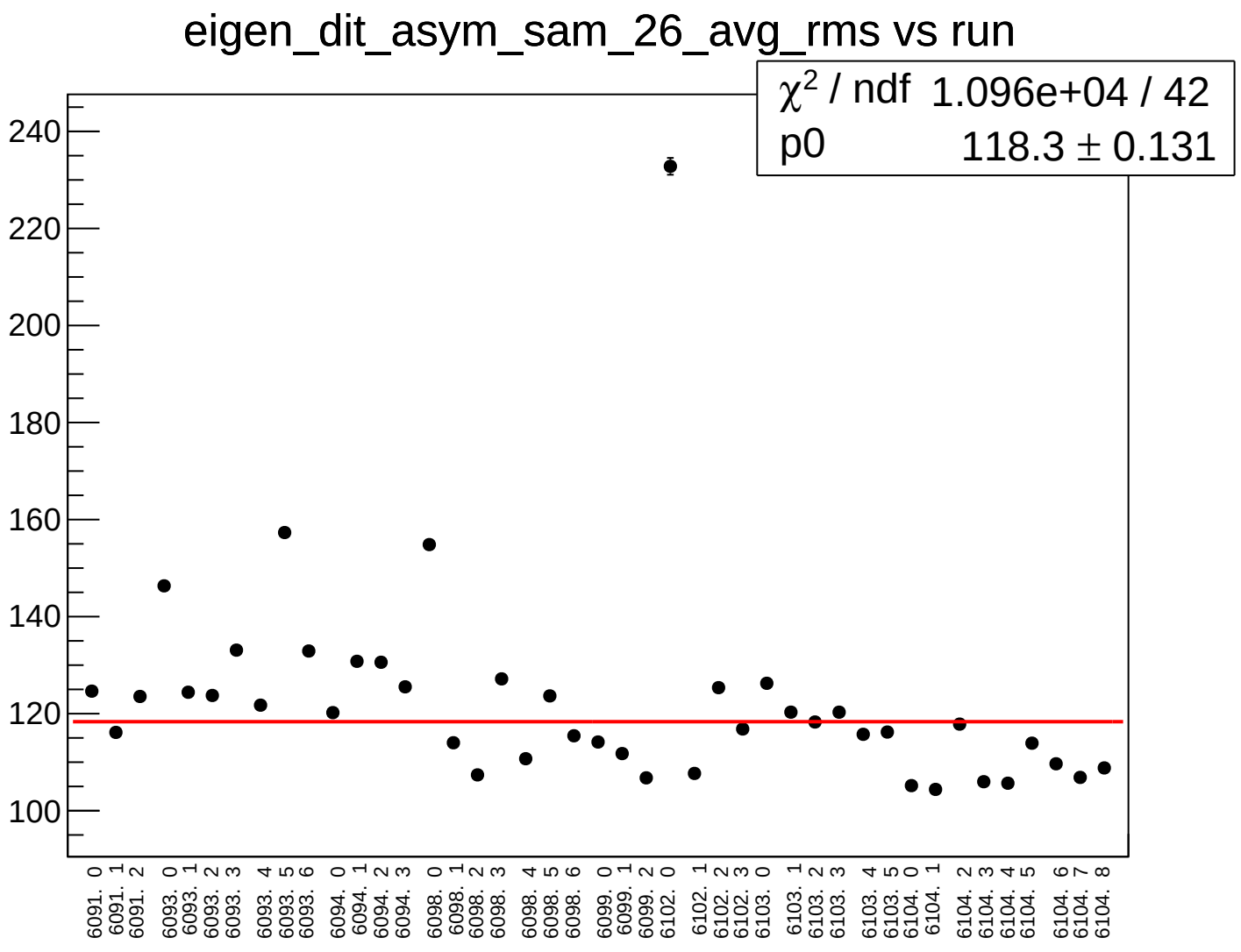

dit_asym_sam_26_avg_rms vs run
χ² / ndf 1.096e+04 / 42
p0 118.3 ± 0.131
240
220
200
180
160
140
120
100
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8


asym_sam_26_avg_dit_correction_mean vs run
χ² / ndf 29.5 / 42
p0 571.7 ± 1779
40000
30000
20000
10000
0
−10000
−20000
−30000
−40000
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean −2827
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 43
Mean 0.0001332
Std Dev 0.8283
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


asym_sam_26_avg_dit_correction_rms vs run
χ² / ndf 3538 / 42
p0 1142 ± 1.258
1300
1250
1200
1150
1100
1050
1000
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8


eigen_dit_asym_sam_26_avg_mean vs run
χ² / ndf 42.19 / 42
p0 138.2 ± 185.2
8000
6000
4000
2000
0
−2000
−4000
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean −33.72
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2


pull1D
Entries 43
Mean 0.02625
Std Dev 0.9902
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


eigen_dit_asym_sam_26_avg_rms vs run
χ² / ndf 1.096e+04 / 42
p0 118.3 ± 0.131
240
220
200
180
160
140
120
100
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
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6104. 1
6104. 2
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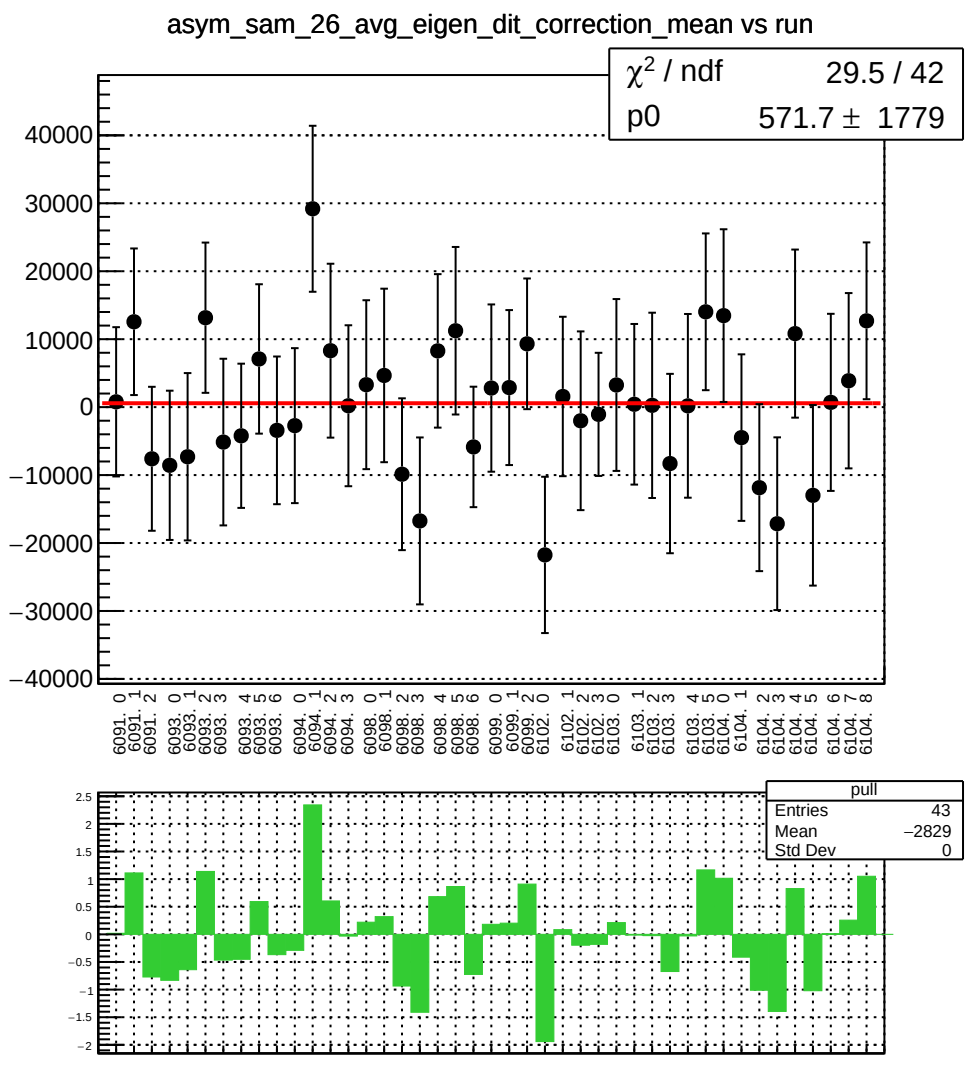
6104. 5
6104. 6
6104. 7
6104. 8


asym_sam_26_avg_eigen_dit_correction_mean vs run
χ² / ndf 29.5 / 42
p0 571.7 ± 1779
40000
30000
20000
10000
0
−10000
−20000
−30000
−40000
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
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6094. 1
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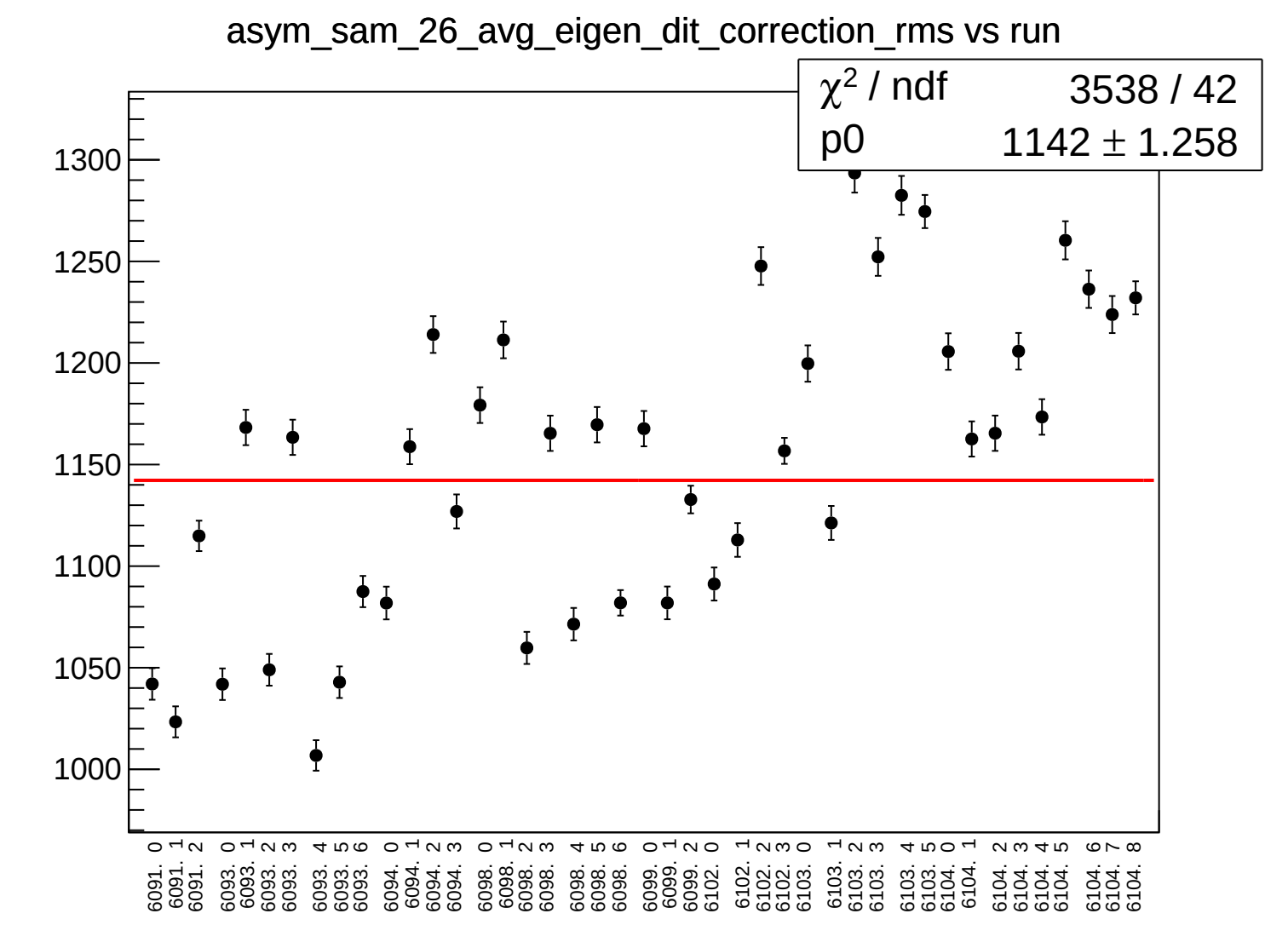
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean −2829
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 43
Mean 0.0001331
Std Dev 0.8283
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


asym_sam_26_avg_eigen_dit_correction_rms vs run
χ² / ndf 3538 / 42
p0 1142 ± 1.258
1300
1250
1200
1150
1100
1050
1000
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
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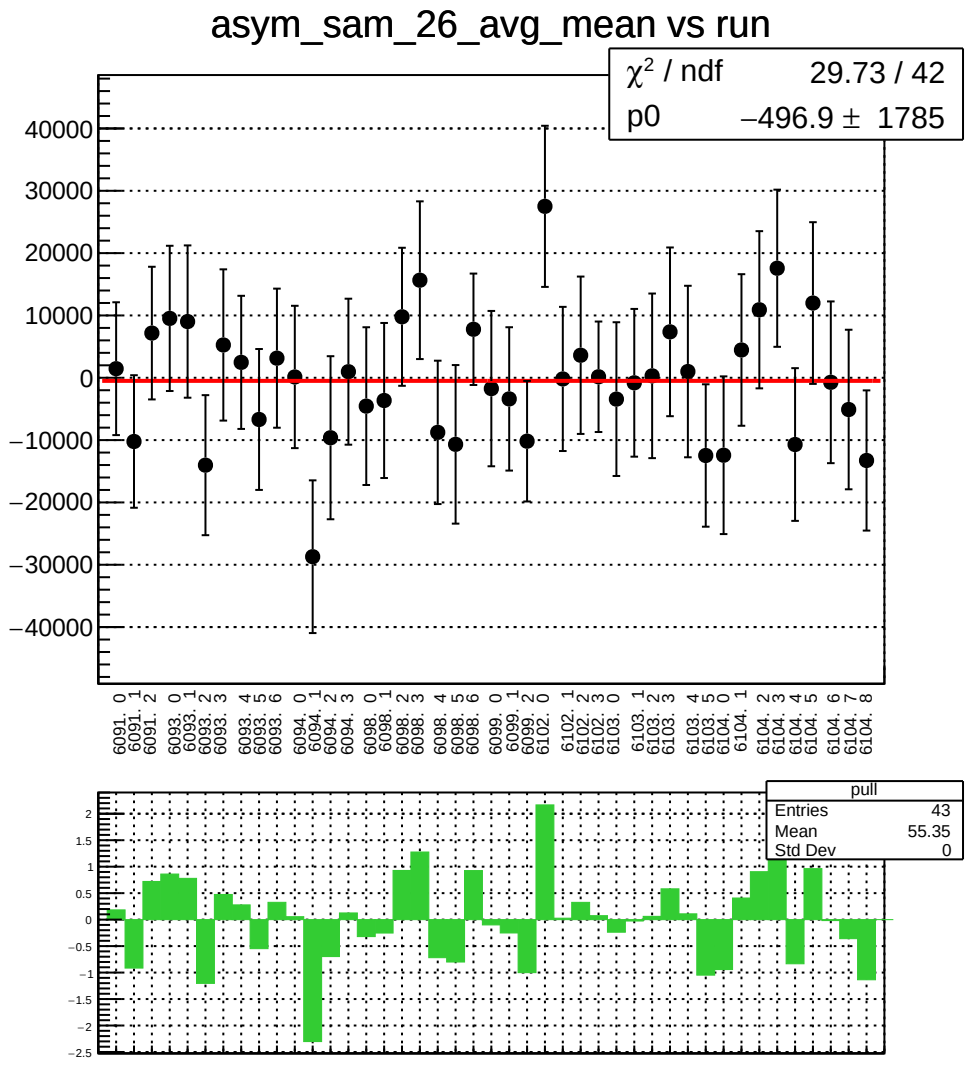
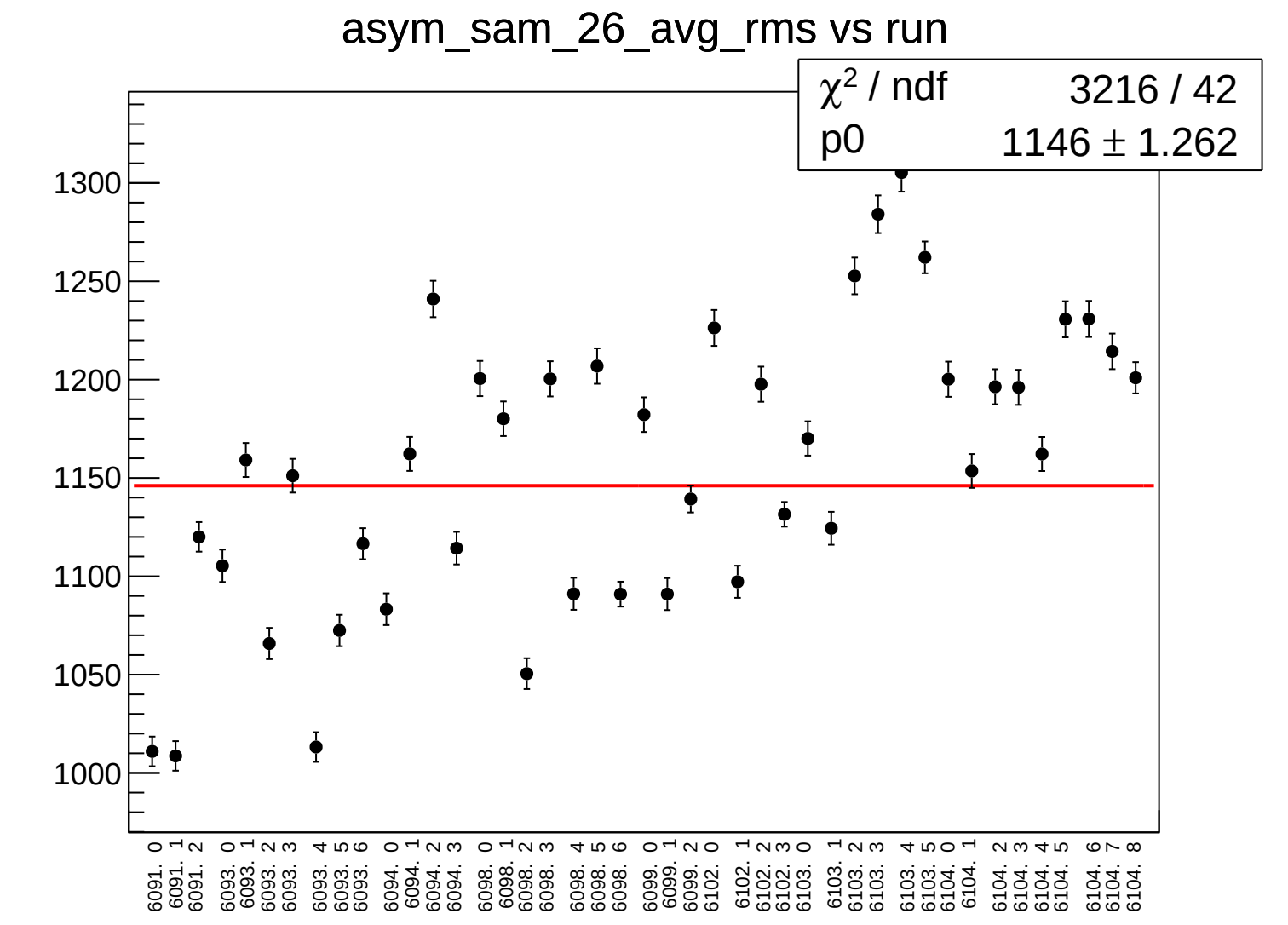
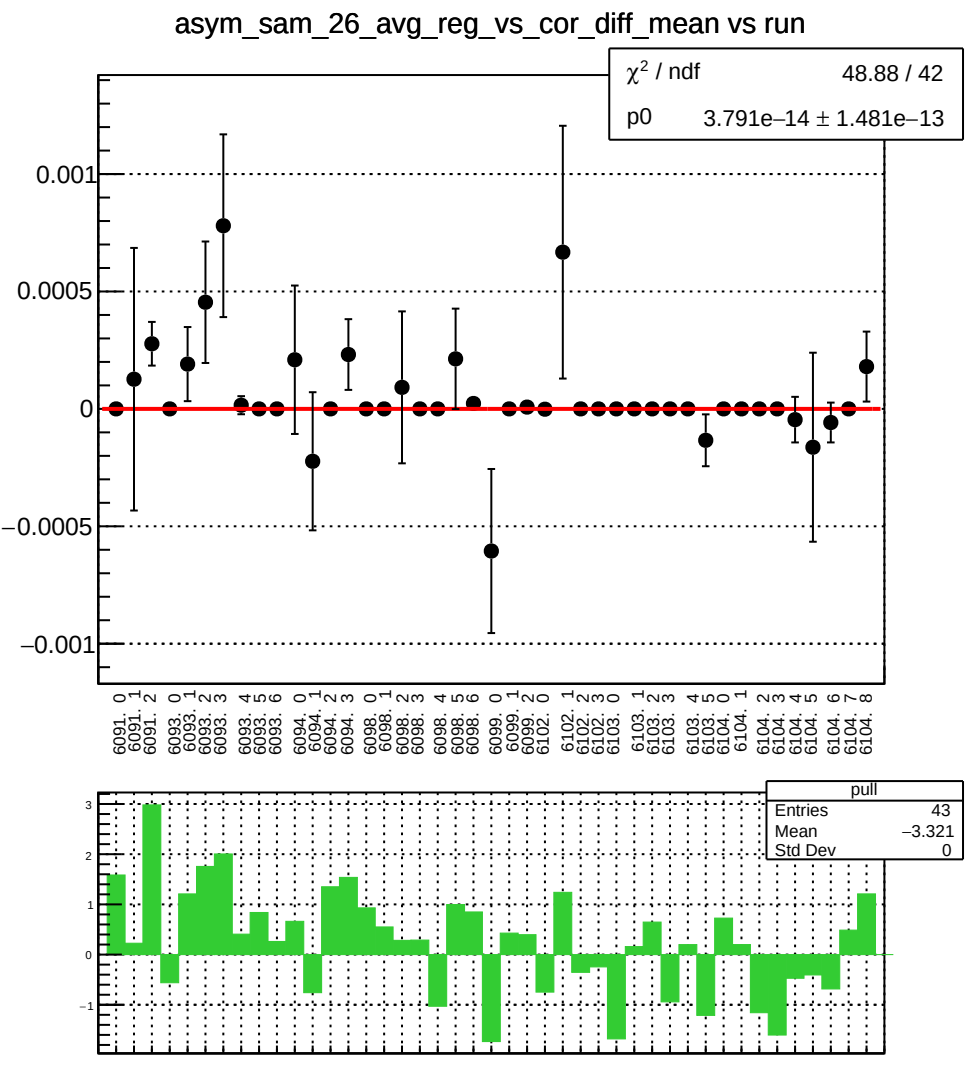
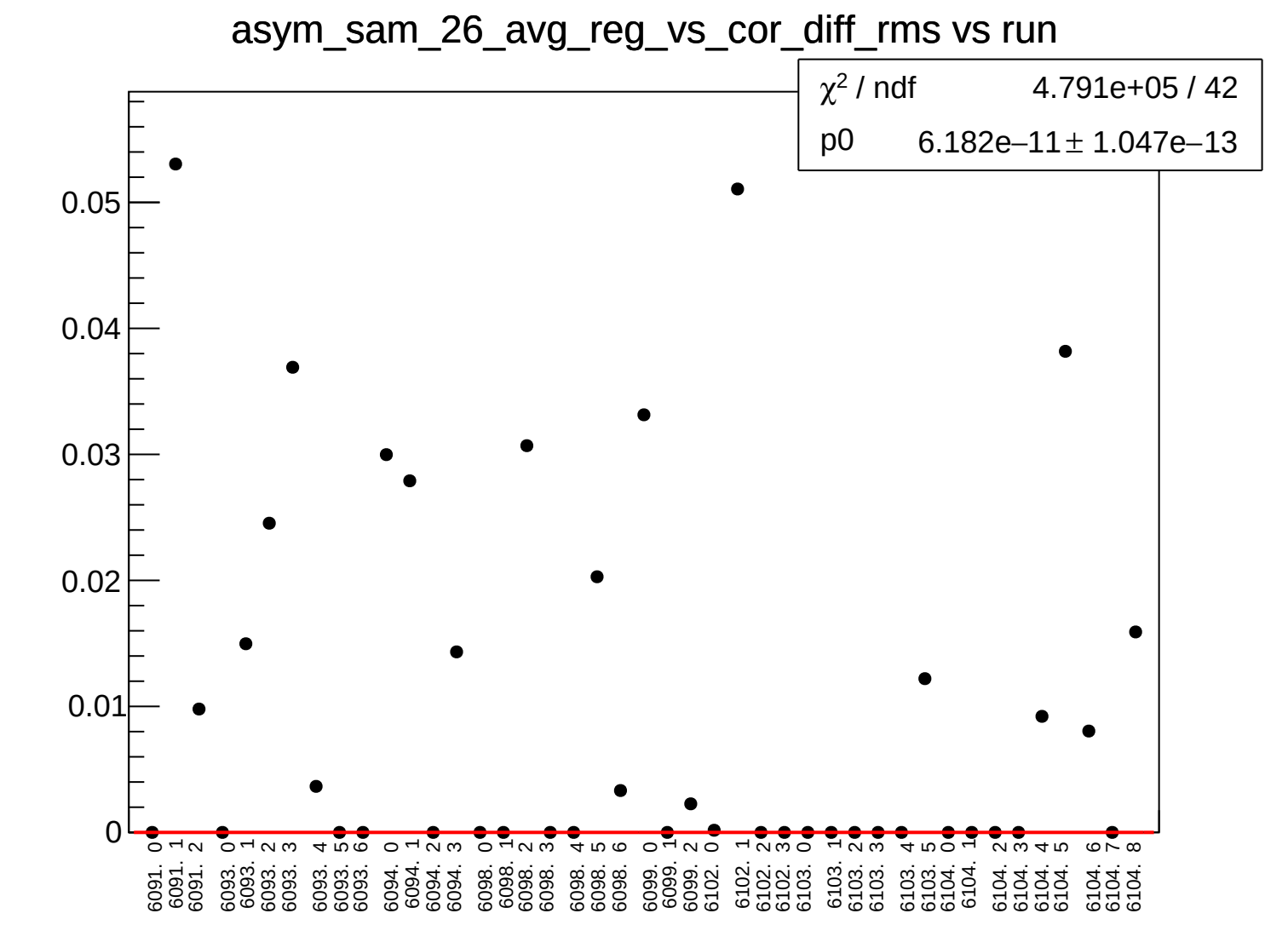
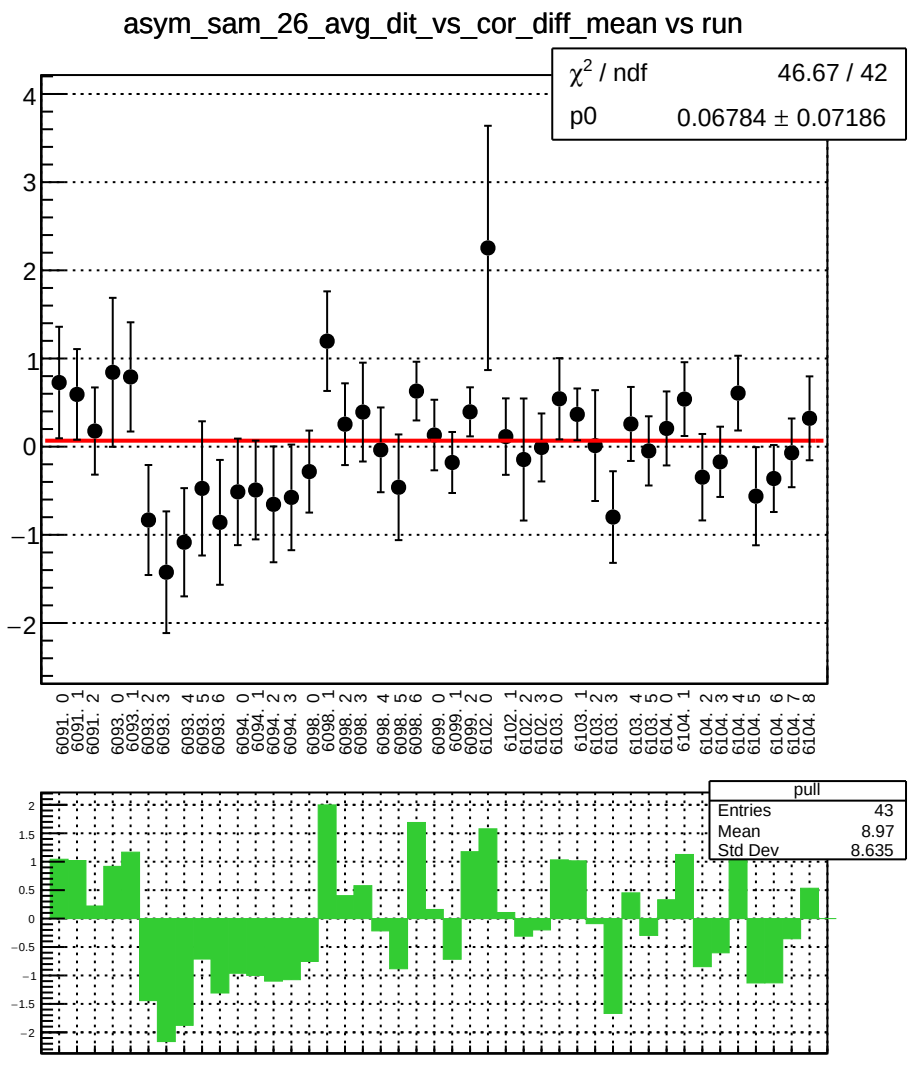
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

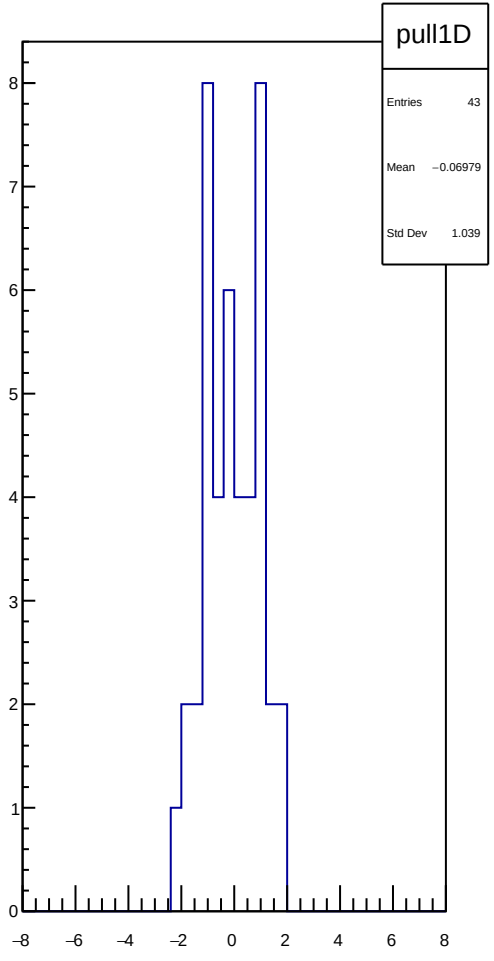

asym_sam_26_avg_mean vs run
χ² / ndf 29.73 / 42
p0 −496.9 ± 1785
40000
30000
20000
10000
0
−10000
−20000
−30000
−40000
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 55.35
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5
pull1D
Entries 43
Mean 0.006393
Std Dev 0.8315
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

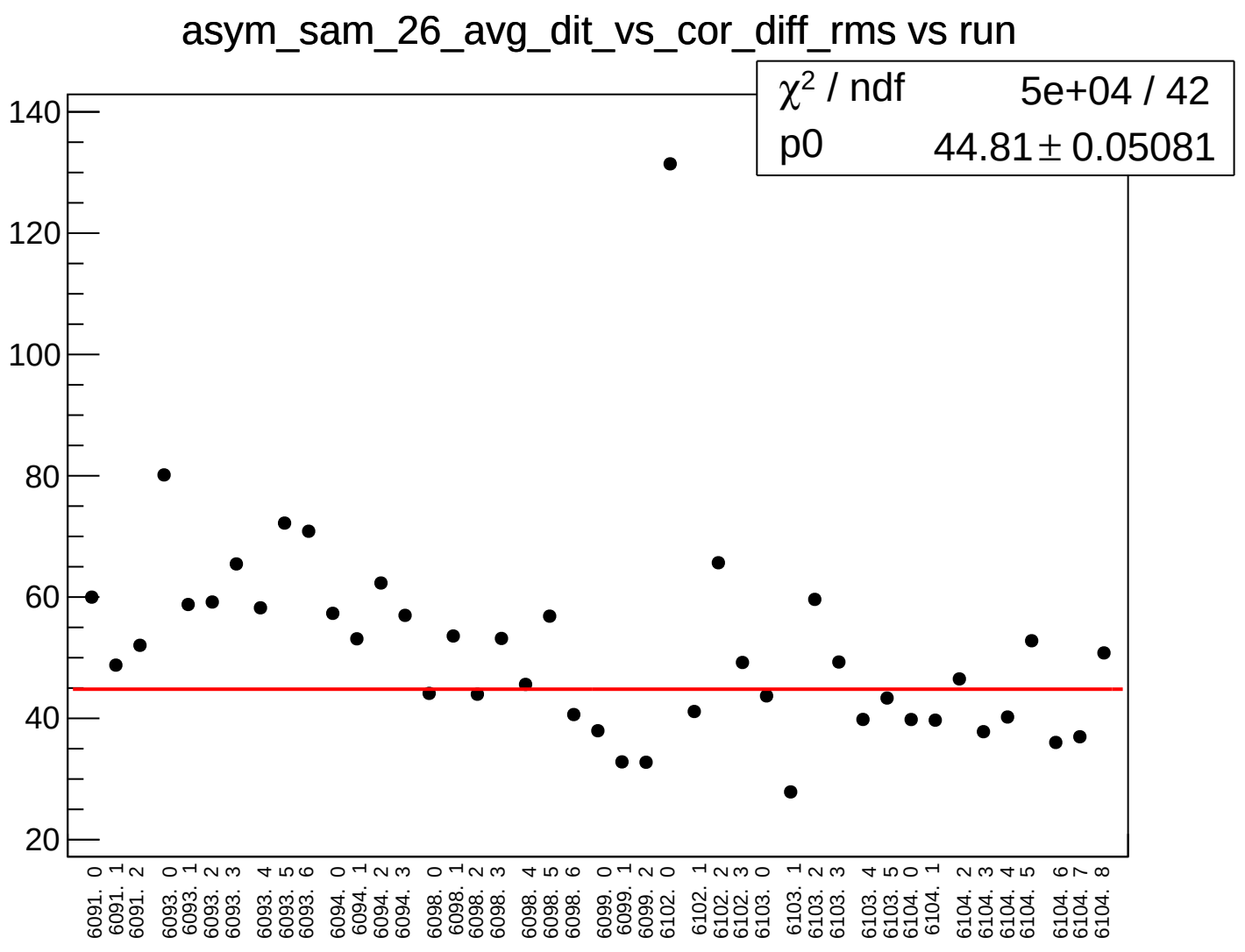

asym_sam_26_avg_rms vs run
χ² / ndf 3216 / 42
p0 1146 ± 1.262
1300
1250
1200
1150
1100
1050
1000
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

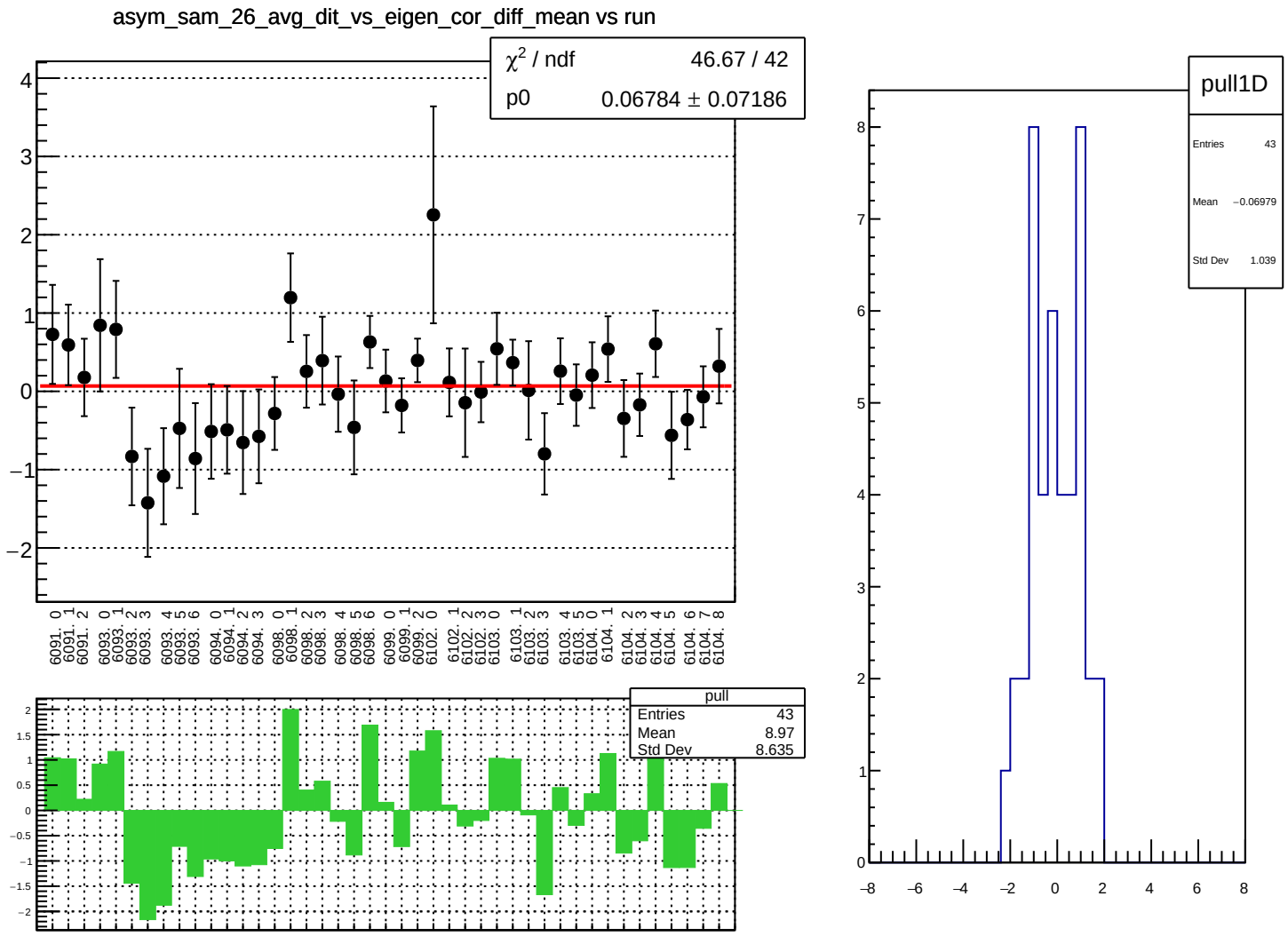

asym_sam_26_avg_reg_vs_cor_diff_mean vs run
χ² / ndf 48.88 / 42
p0 3.791e−14 ± 1.481e−13
0.001
0.0005
0
−0.0005
−0.001
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean −3.321
Std Dev 0
3
2
1
0
−1
pull1D
Entries 43
Mean 0.2518
Std Dev 1.036
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

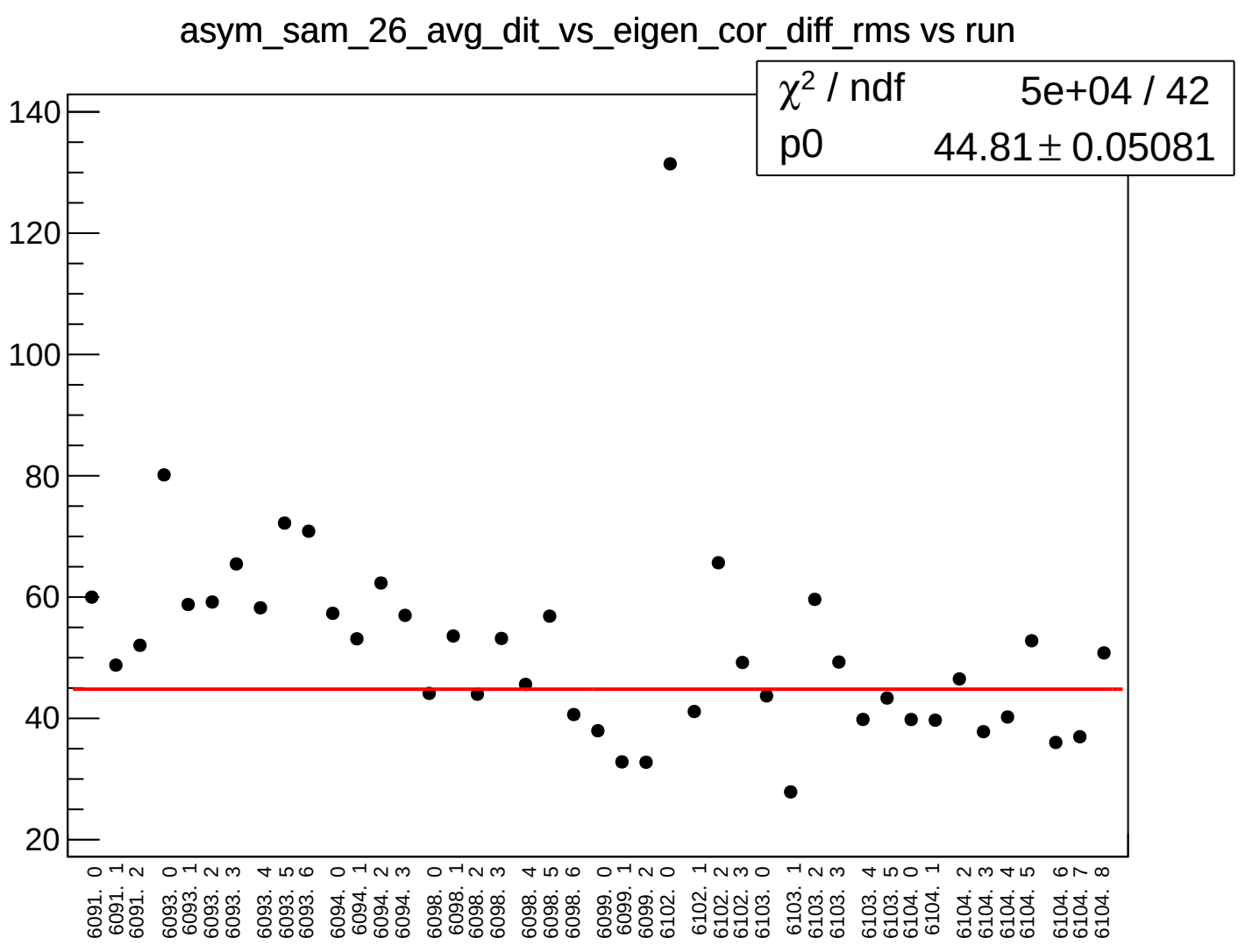

asym_sam_26_avg_reg_vs_cor_diff_rms vs run
χ² / ndf 4.791e+05 / 42
p0 6.182e−11 ± 1.047e−13
0.05
0.04
0.03
0.02
0.01
0
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

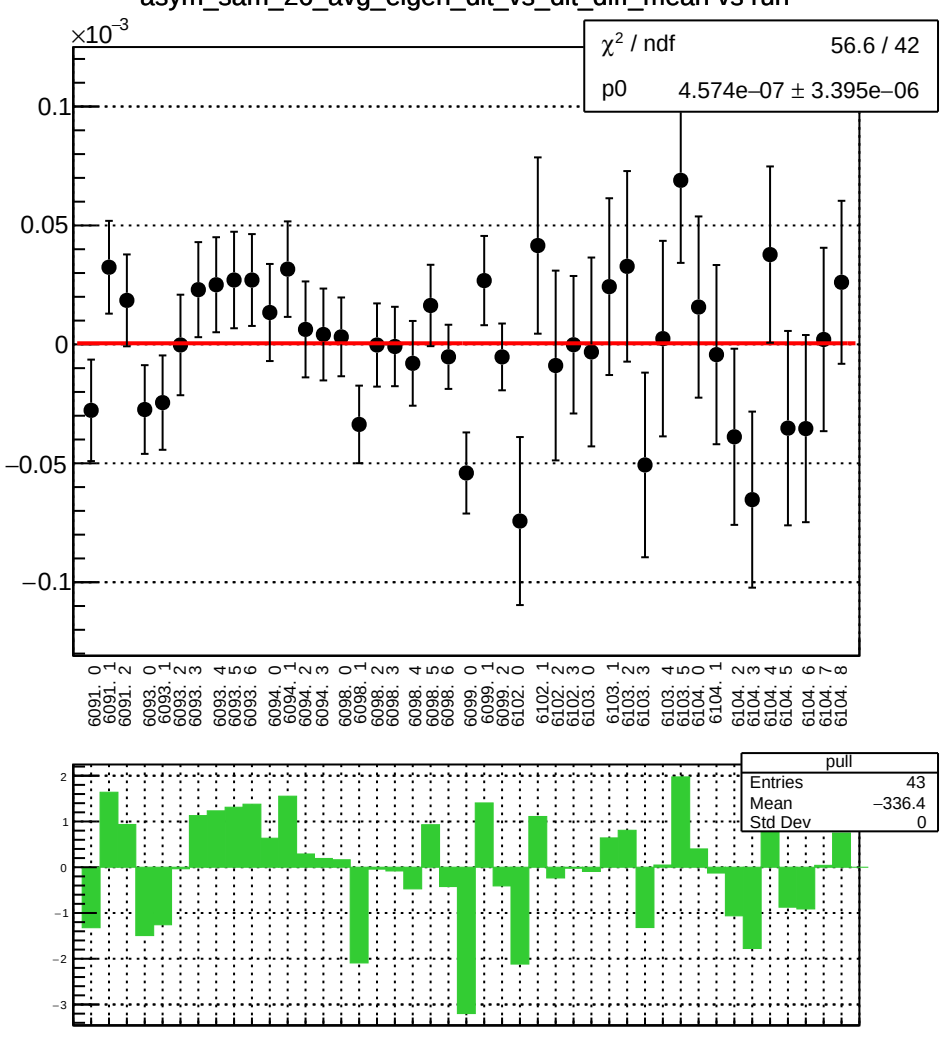

asym_sam_26_avg_dit_vs_cor_diff_mean vs run
χ² / ndf 46.67 / 42
p0 0.06784 ± 0.07186
pull
Entries 43
Mean 8.97
Std Dev 8.635

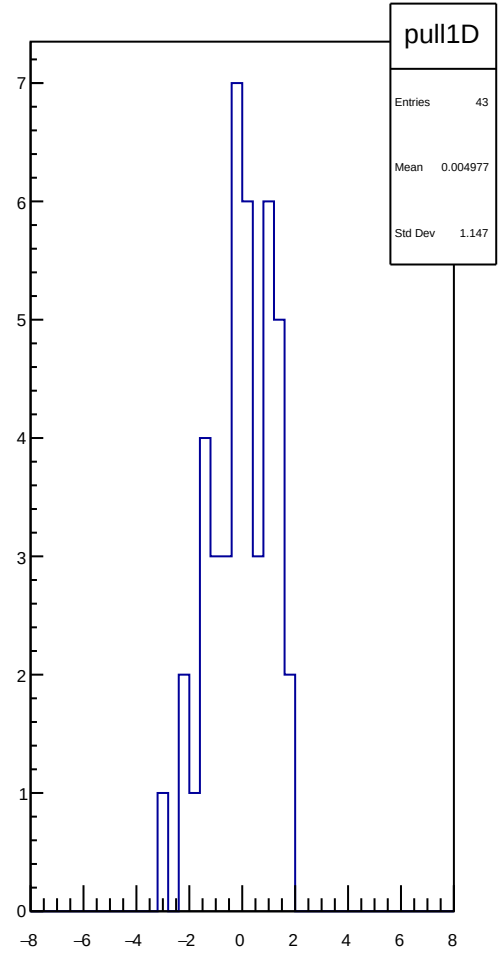

pull1D
Entries 43
Mean −0.06979
Std Dev 1.039

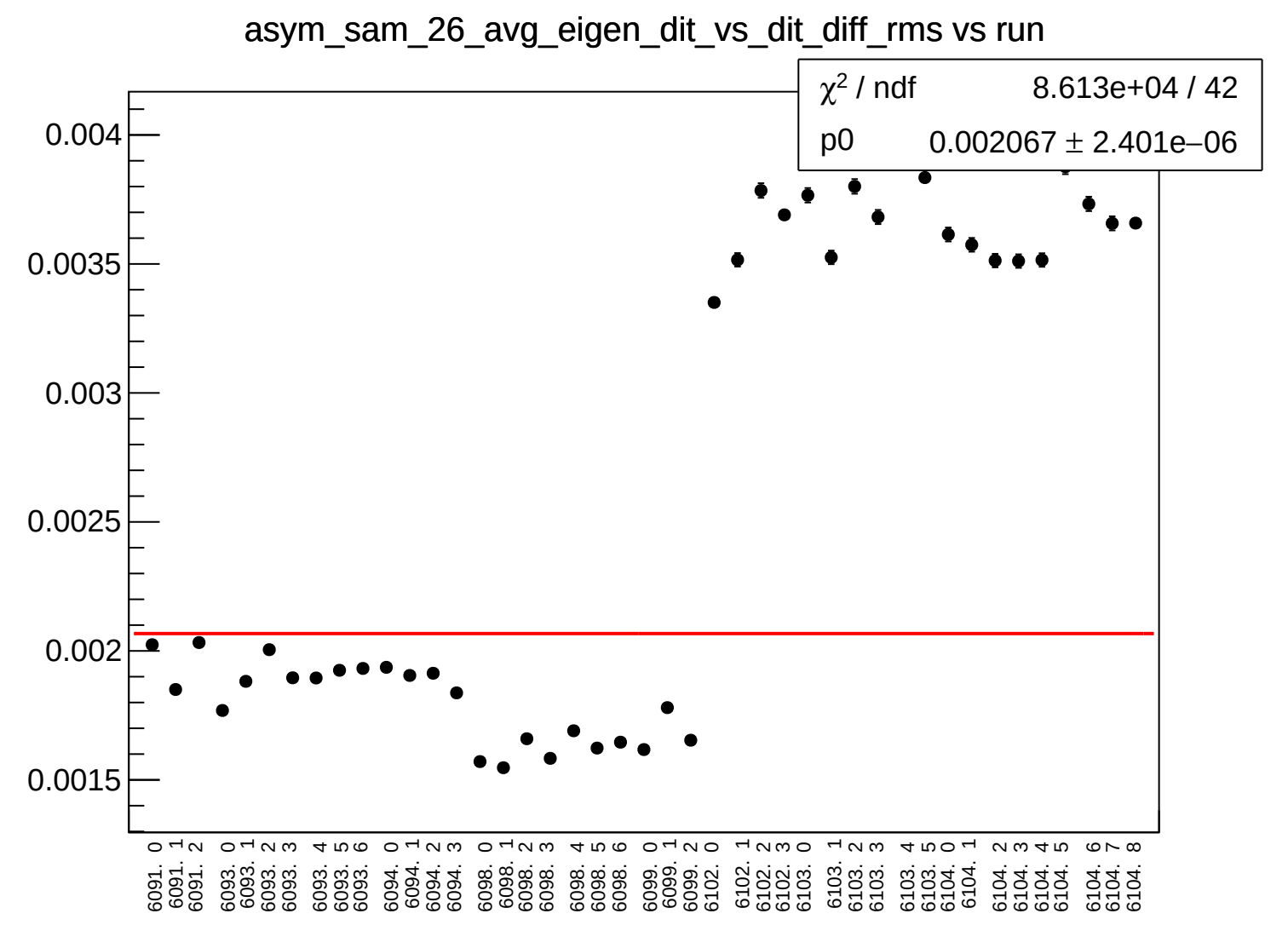

asym_sam_26_avg_dit_vs_cor_diff_rms vs run
χ² / ndf 5e+04 / 42
p0 44.81 ± 0.05081
140
120
100
80
60
40
20
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

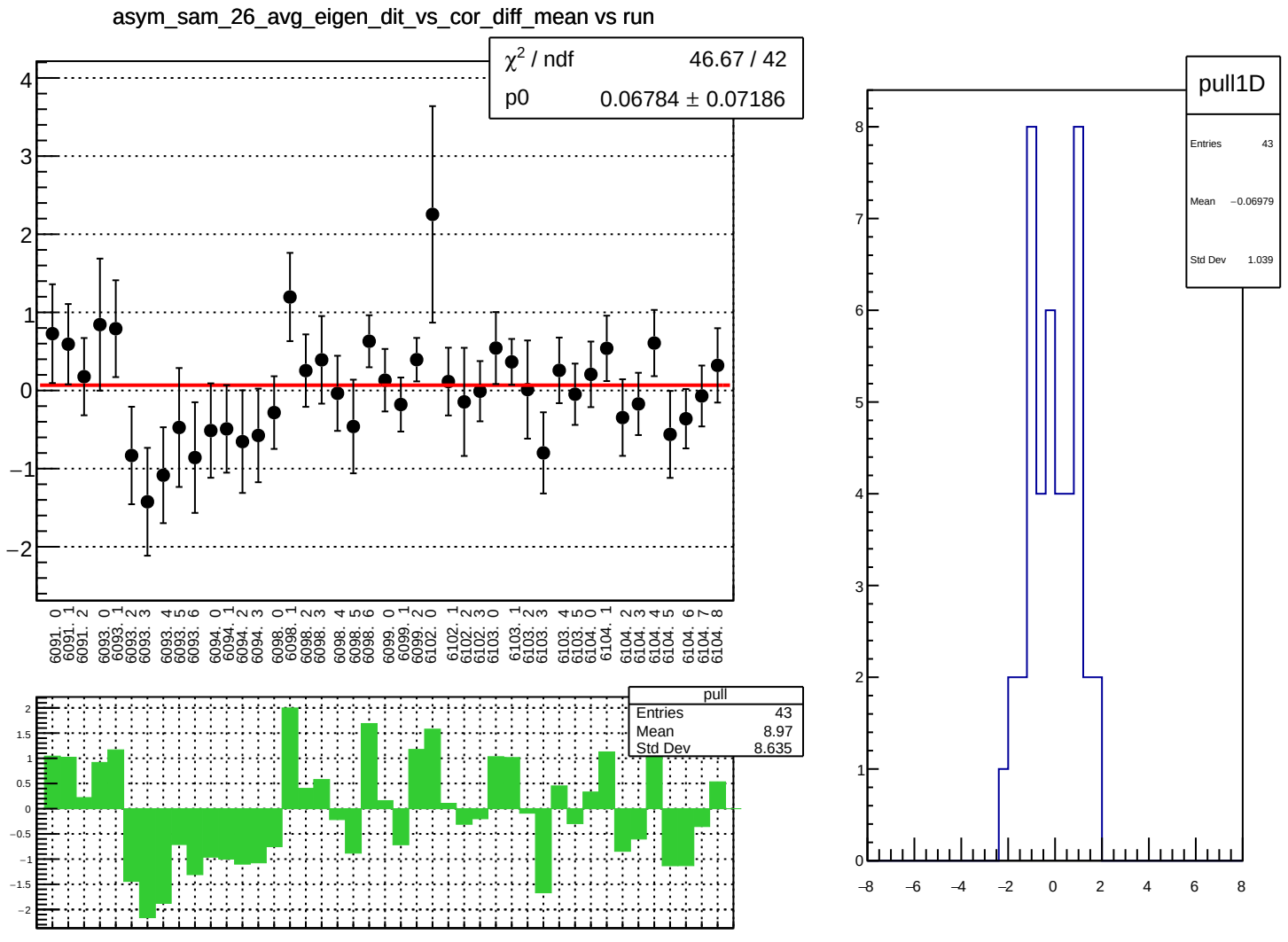

asym_sam_26_avg_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 46.67 / 42
p0 0.06784 ± 0.07186
pull
Entries 43
Mean 8.97
Std Dev 8.635
pull1D
Entries 43
Mean −0.06979
Std Dev 1.039

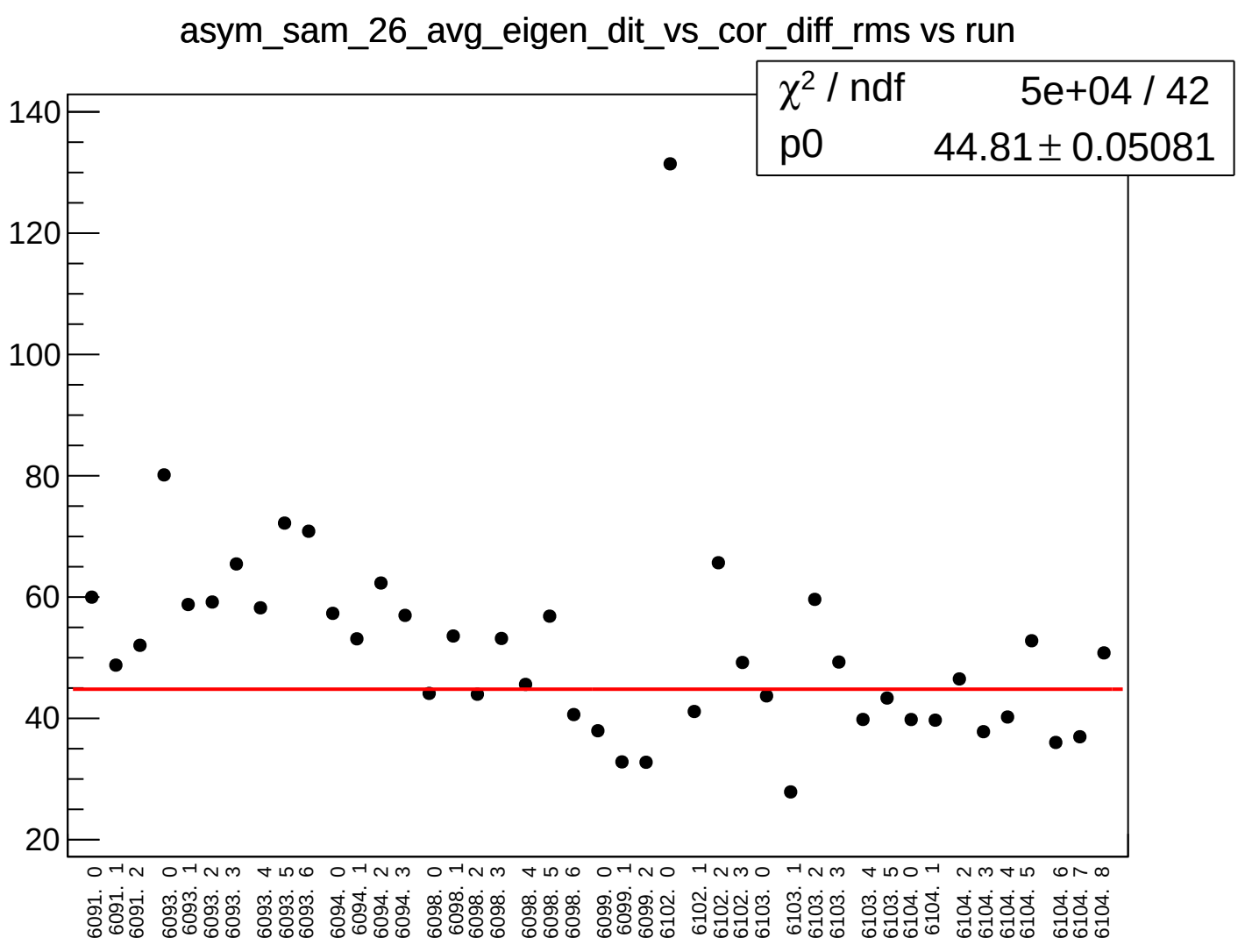

asym_sam_26_avg_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 5e+04 / 42
p0 44.81 ± 0.05081
140
120
100
80
60
40
20
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

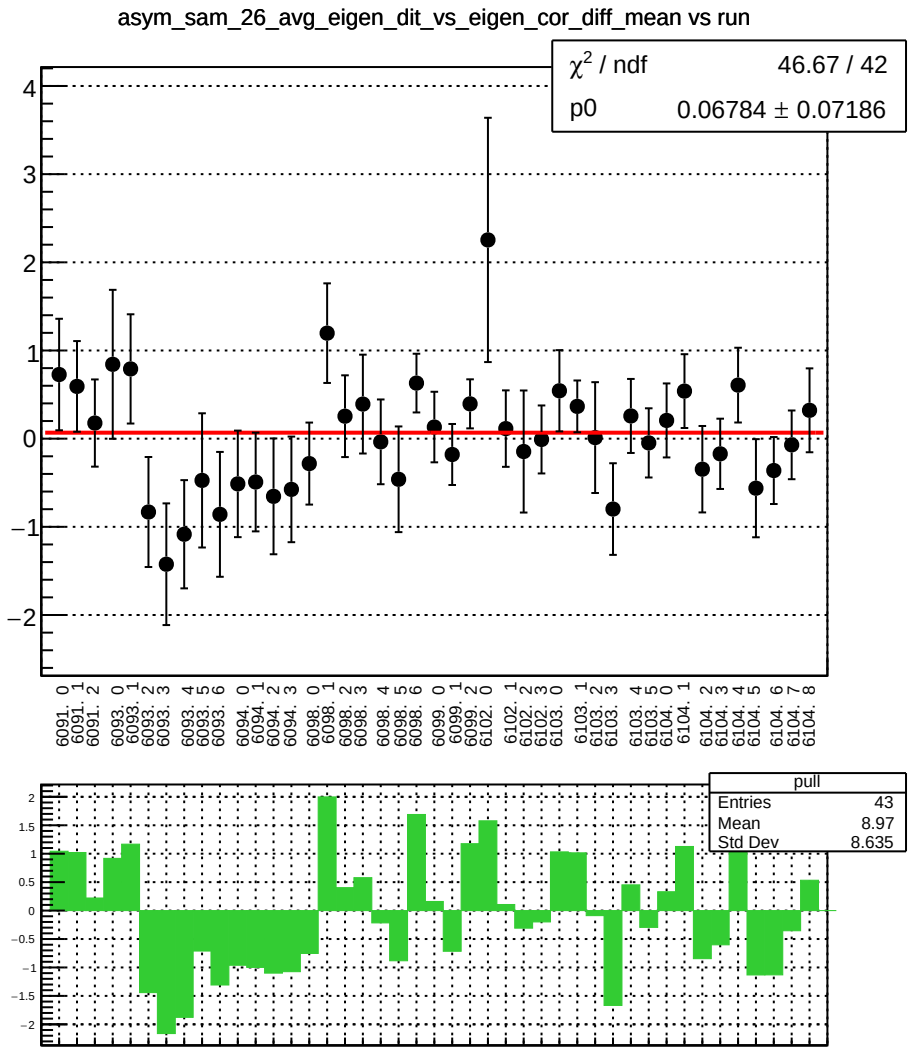

asym_sam_26_avg_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 56.6 / 42
p0 4.574e−07 ± 3.395e−06
0.1
0.05
0
−0.05
−0.1
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean −336.4
Std Dev 0
2
1
0
−1
−2
−3

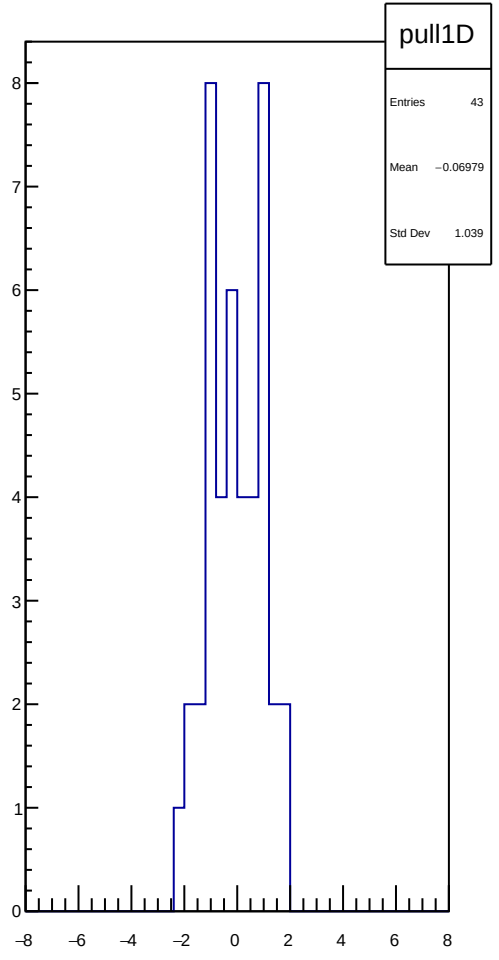

pull1D
Entries 43
Mean 0.004977
Std Dev 1.147
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

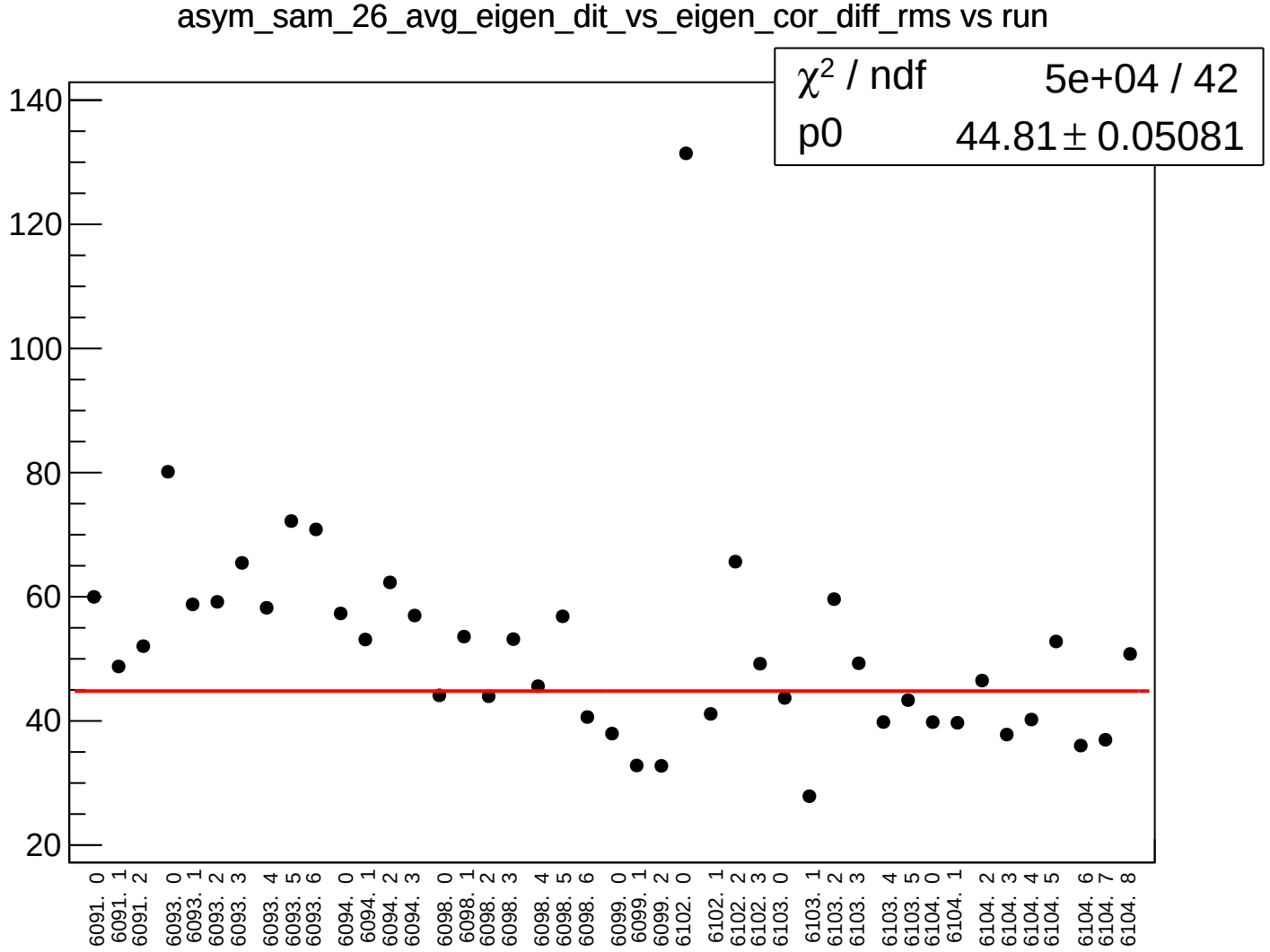

asym_sam_26_avg_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 8.613e+04 / 42
p0 0.002067 ± 2.401e−06
0.004
0.0035
0.003
0.0025
0.002
0.0015
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

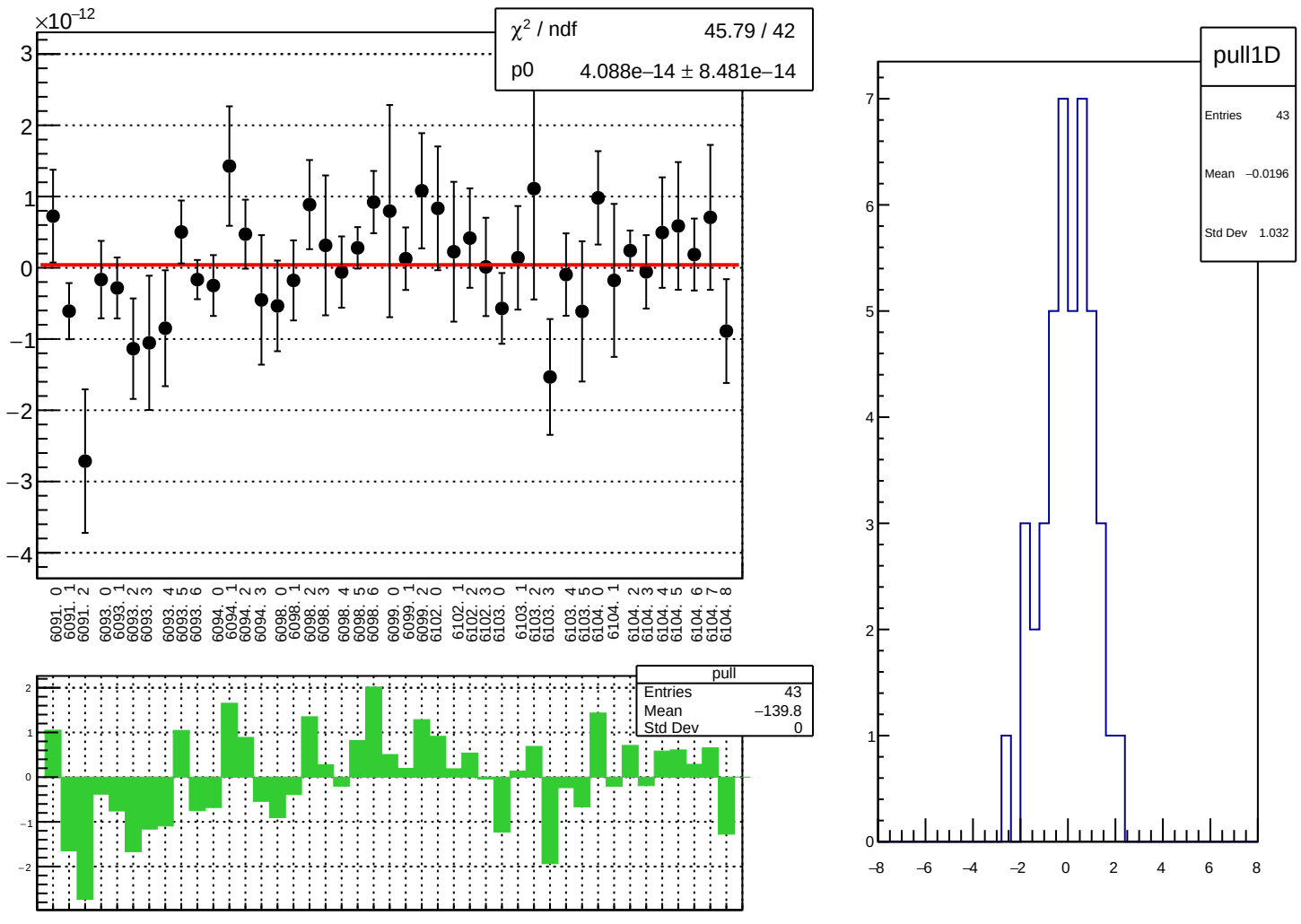

asym_sam_26_avg_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 46.67 / 42
p0 0.06784 ± 0.07186
pull
Entries 43
Mean 8.97
Std Dev 8.635
pull1D
Entries 43
Mean −0.06979
Std Dev 1.039

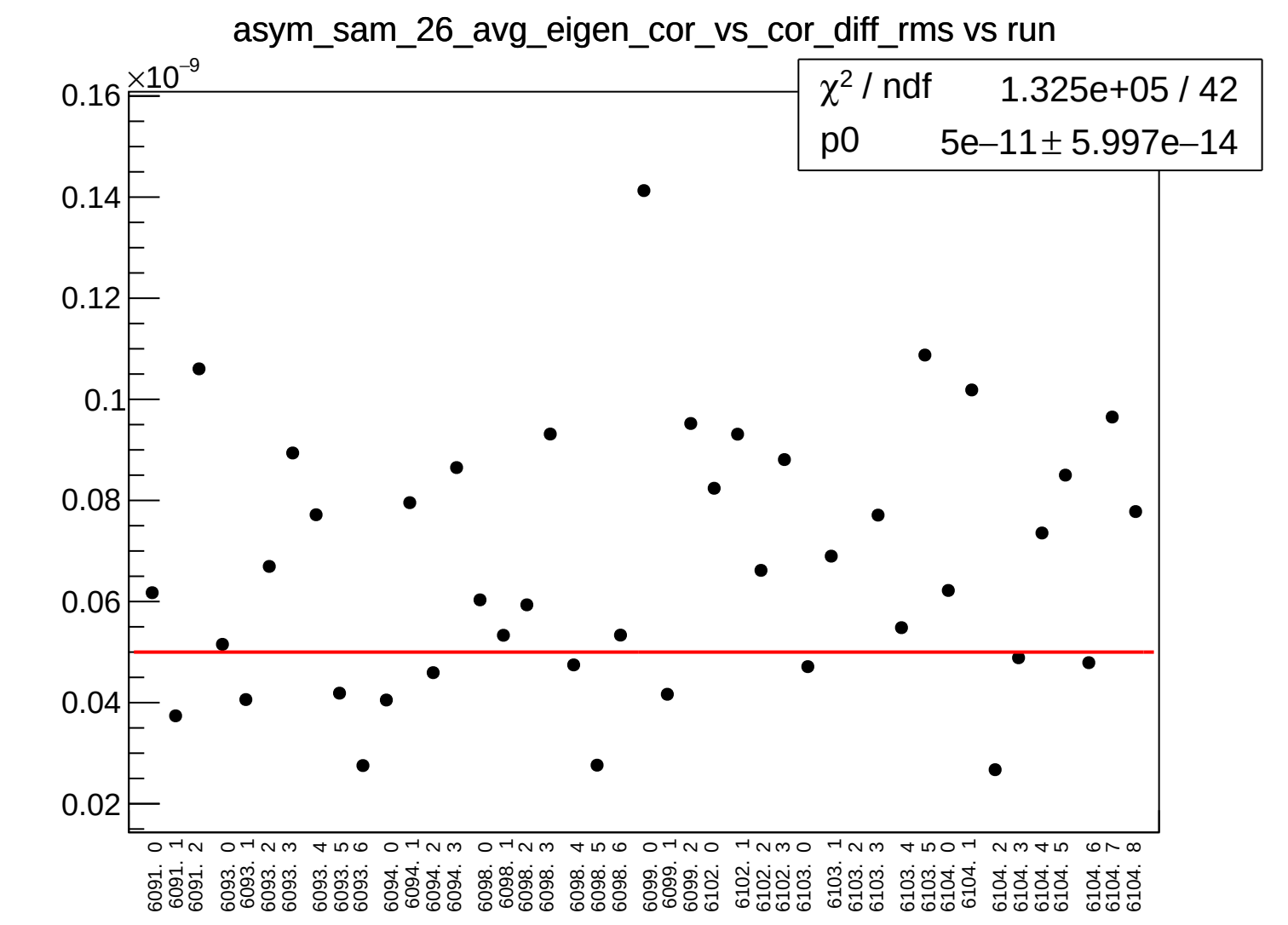

asym_sam_26_avg_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 5e+04 / 42
p0 44.81 ± 0.05081
140
120
100
80
60
40
20
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

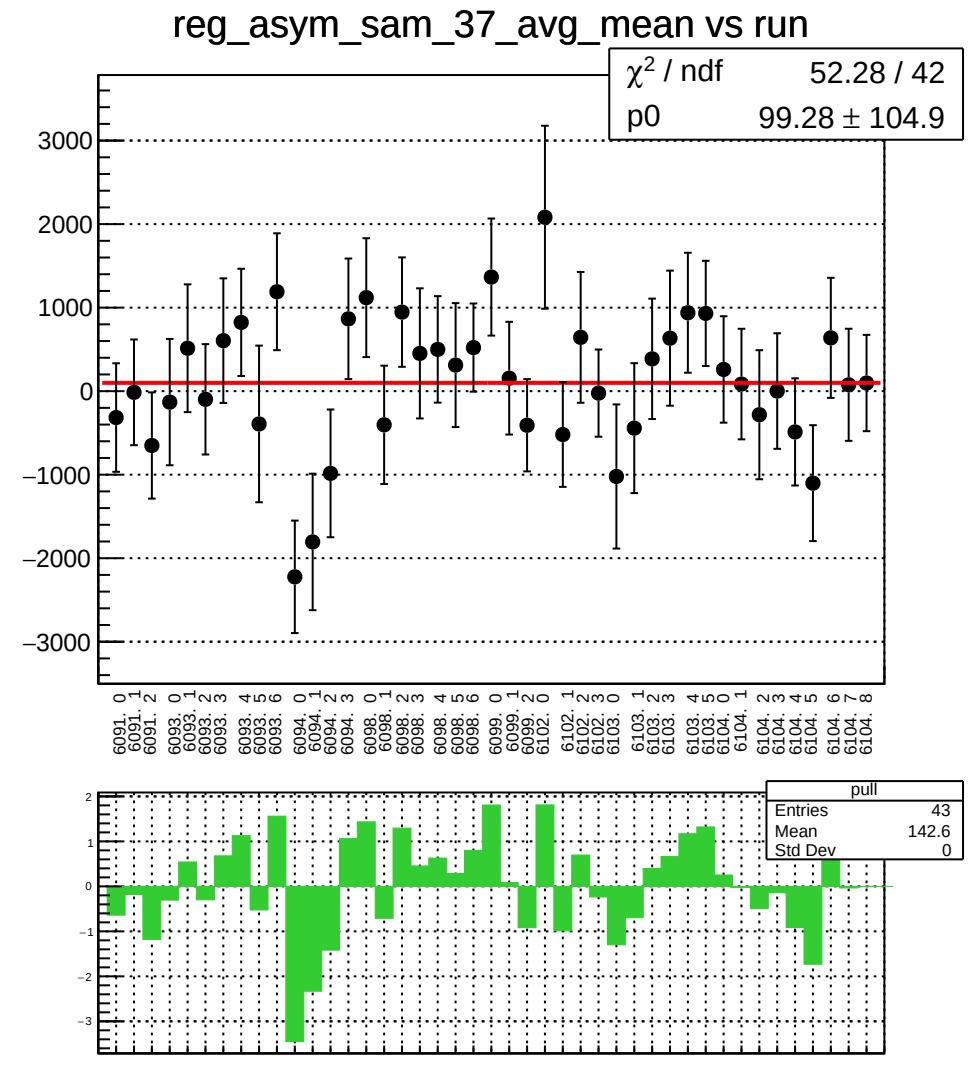

asym_sam_26_avg_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 46.67 / 42
p0 0.06784 ± 0.07186
pull
Entries 43
Mean 8.97
Std Dev 8.635

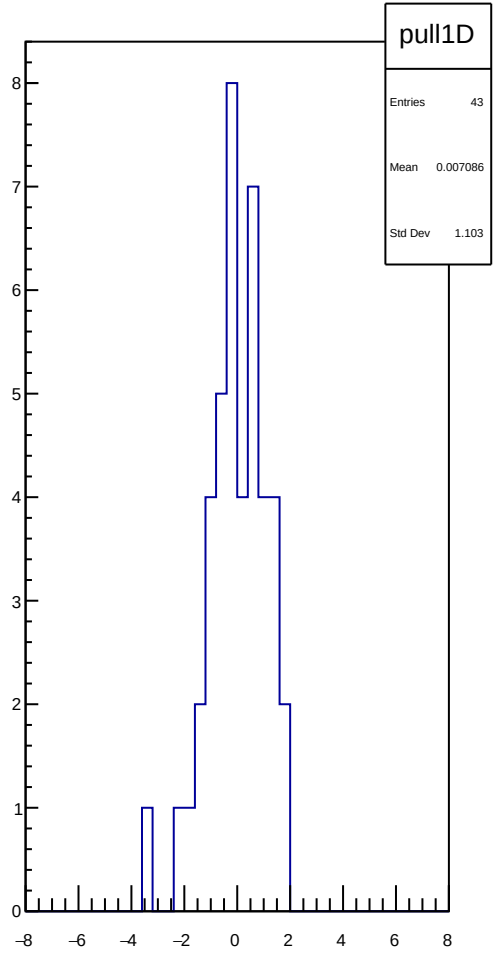

pull1D
Entries 43
Mean −0.06979
Std Dev 1.039

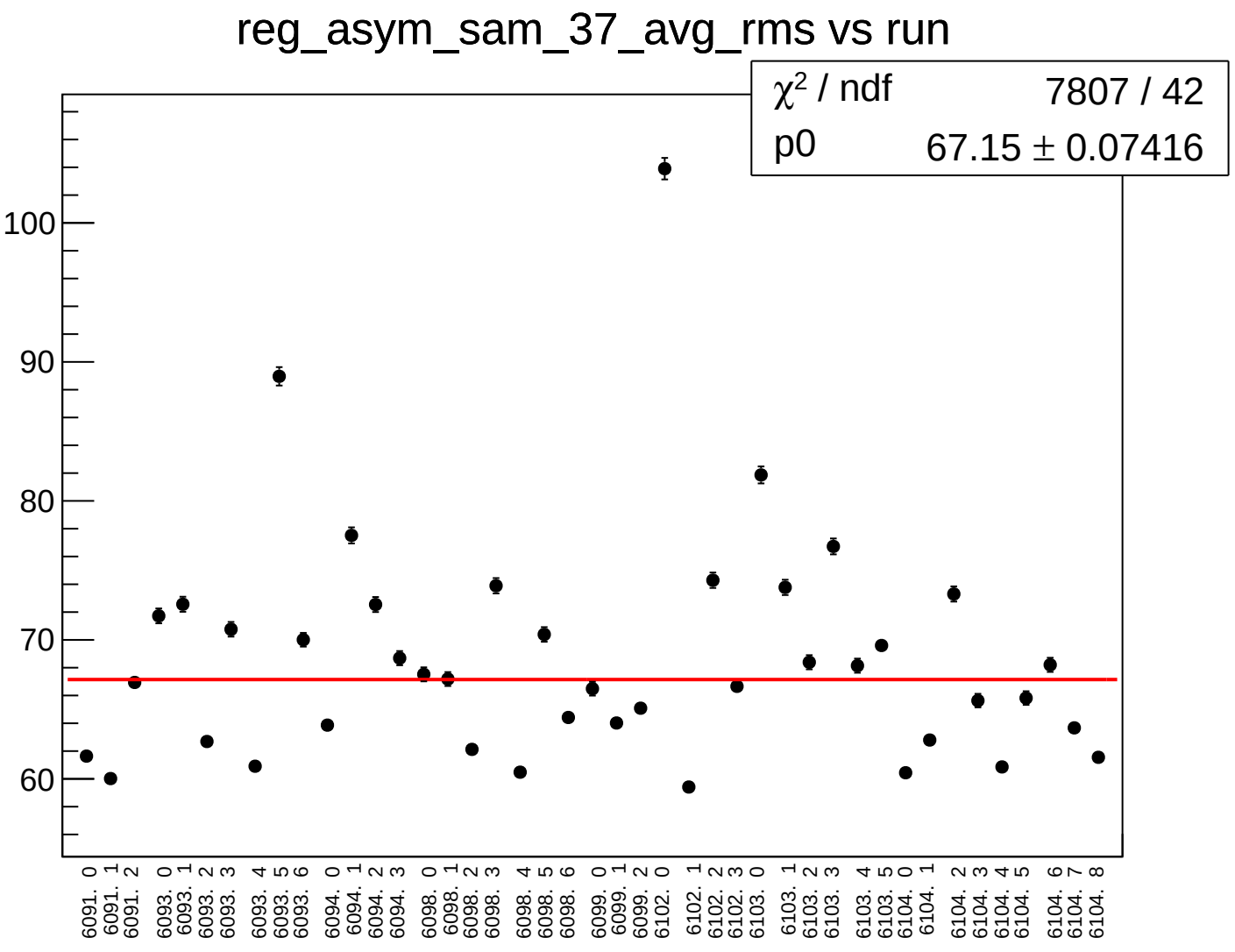

asym_sam_26_avg_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 5e+04 / 42
p0 44.81 ± 0.05081
140
120
100
80
60
40
20
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8


asym_sam_26_avg_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 45.79 / 42
p0 4.088e−14 ± 8.481e−14
pull
Entries 43
Mean −139.8
Std Dev 0
pull1D
Entries 43
Mean −0.0196
Std Dev 1.032


asym_sam_26_avg_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 1.325e+05 / 42
p0 5e−11 ± 5.997e−14
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8


reg_asym_sam_37_avg_mean vs run
χ² / ndf 52.28 / 42
p0 99.28 ± 104.9
pull
Entries 43
Mean 142.6
Std Dev 0


pull1D
Entries 43
Mean 0.007086
Std Dev 1.103


reg_asym_sam_37_avg_rms vs run
χ² / ndf 7807 / 42
p0 67.15 ± 0.07416
100
90
80
70
60
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
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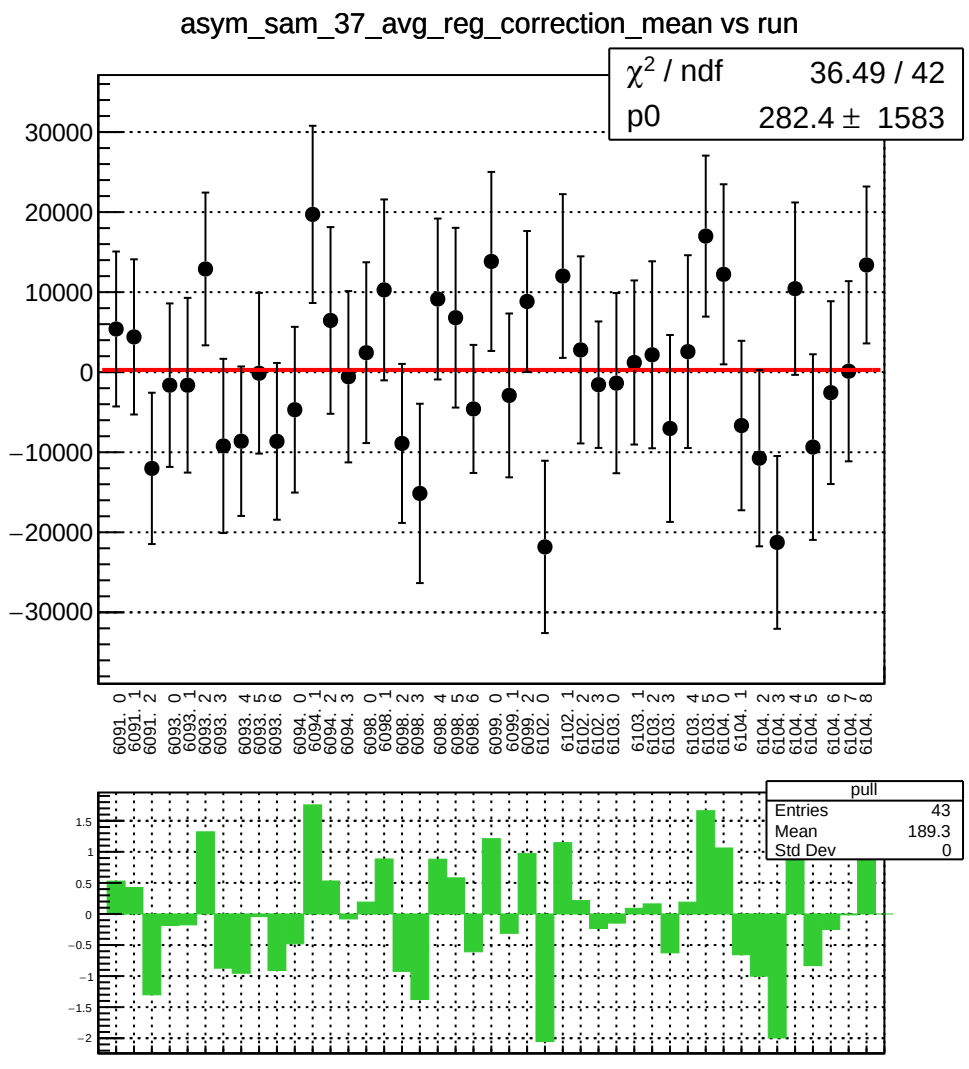
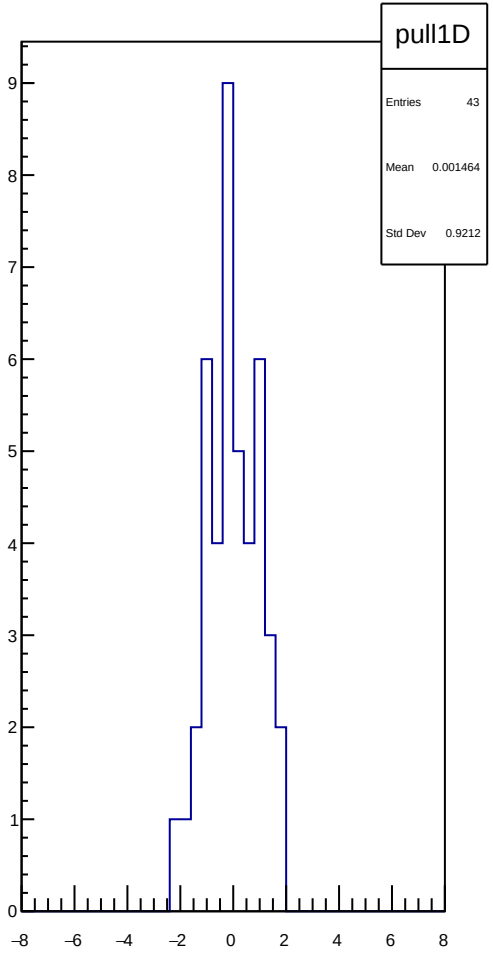
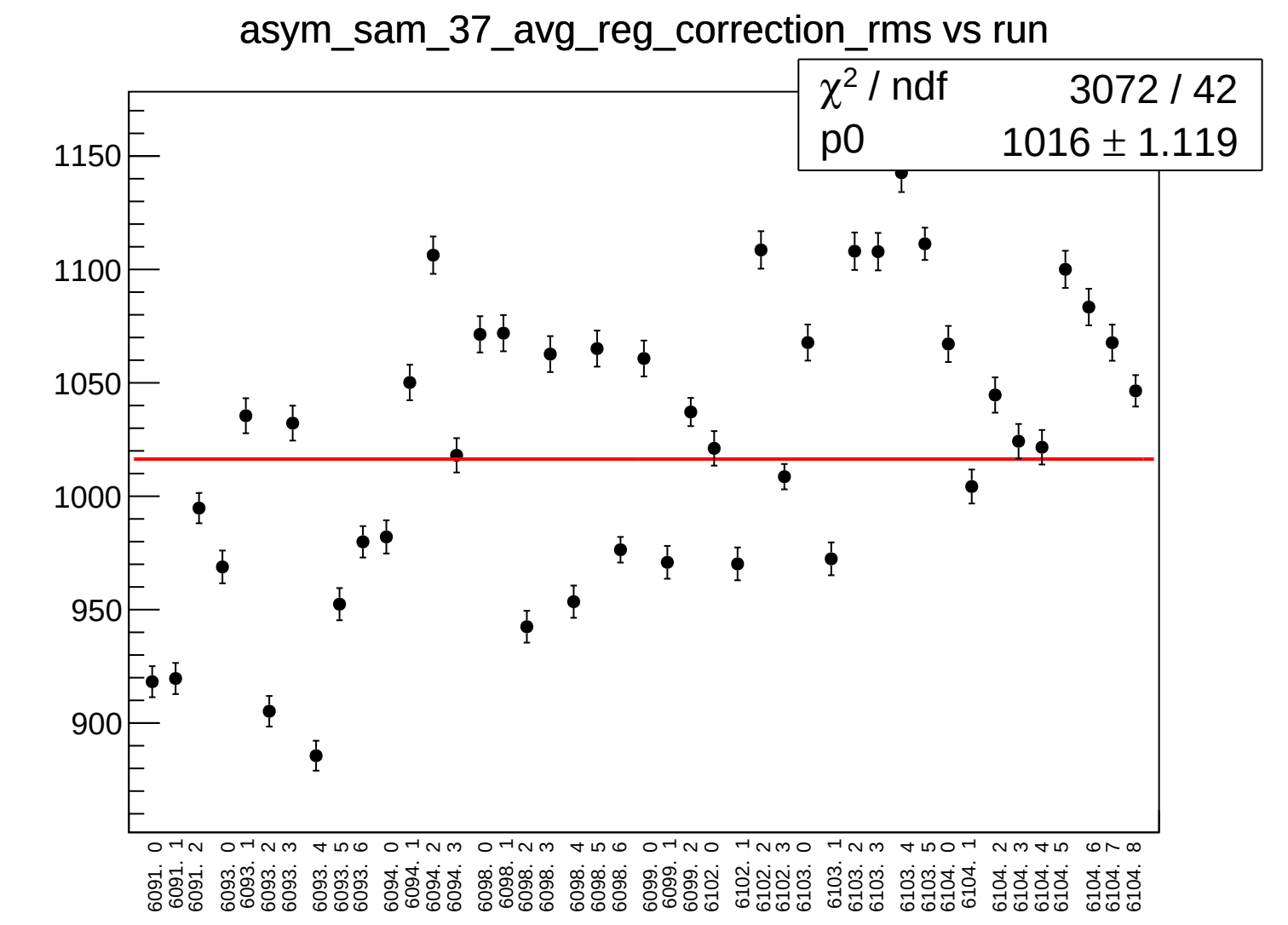
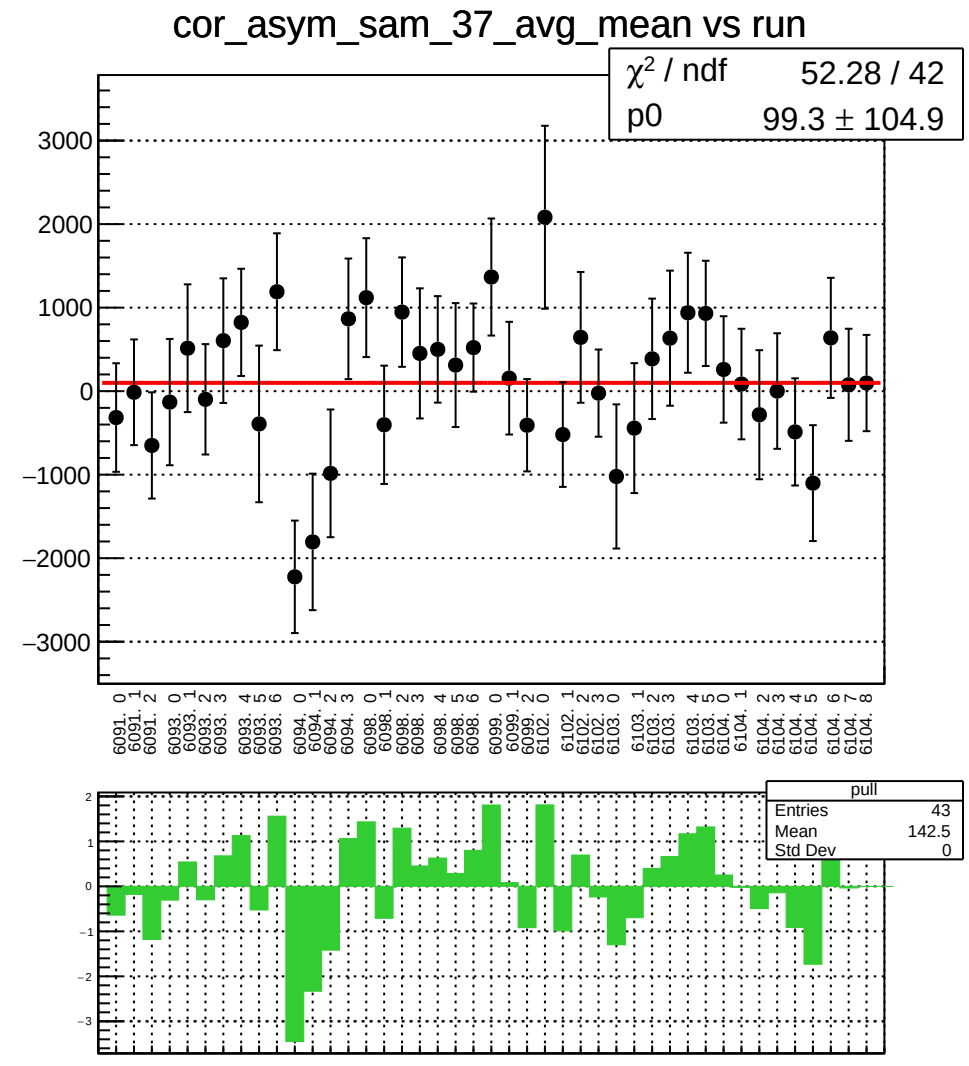
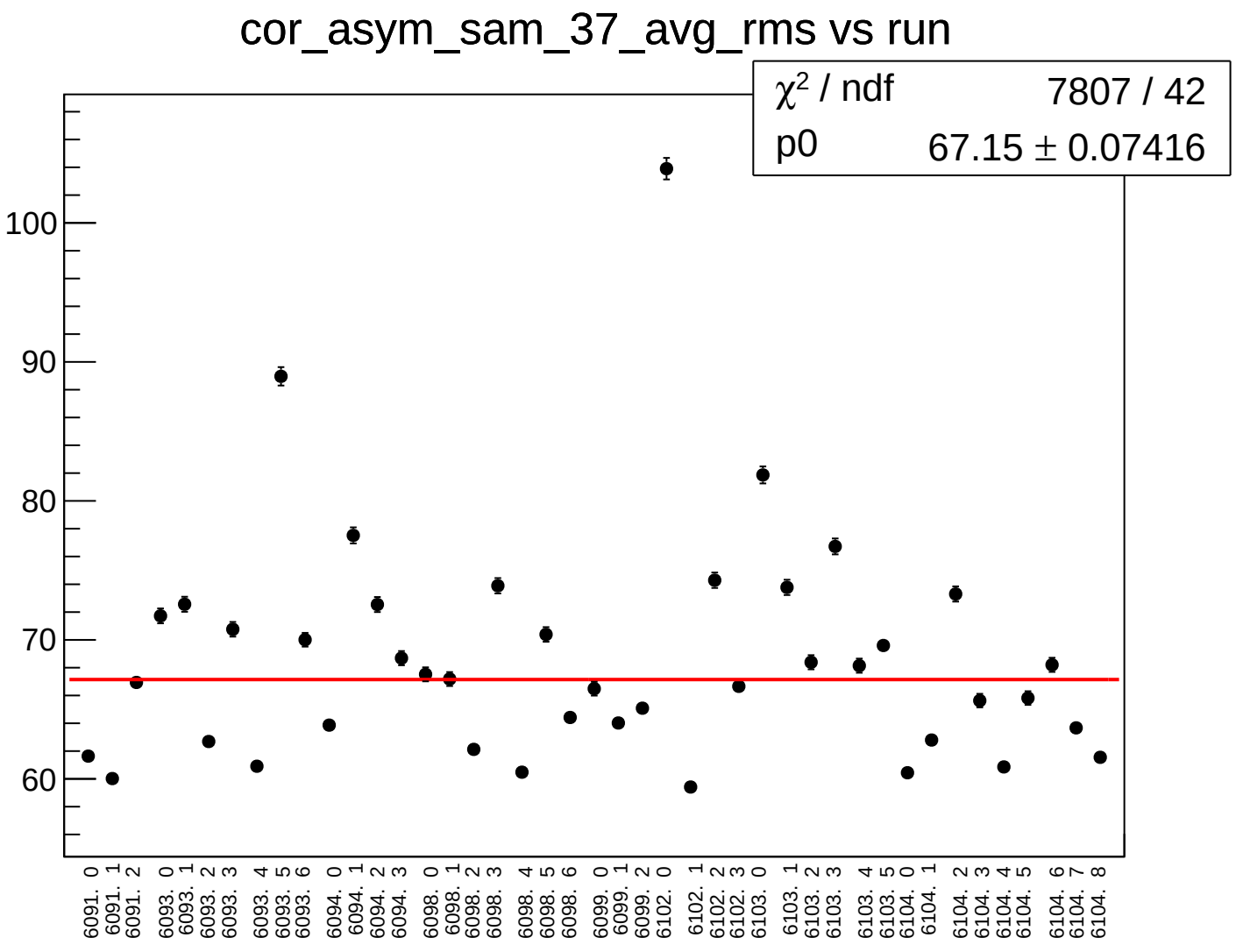
6104. 6
6104. 7
6104. 8

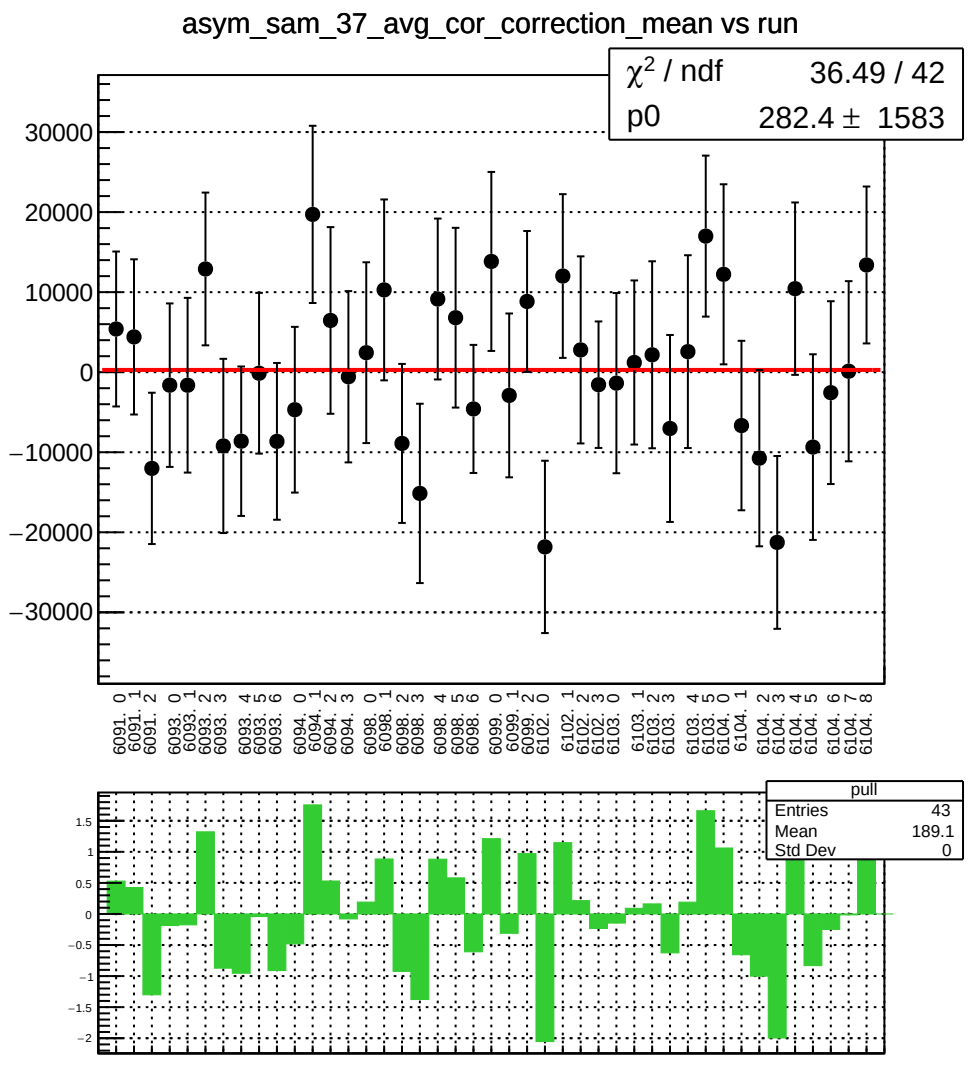

asym_sam_37_avg_reg_correction_mean vs run
χ² / ndf 36.49 / 42
p0 282.4 ± 1583
30000
20000
10000
0
−10000
−20000
−30000
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 189.3
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2

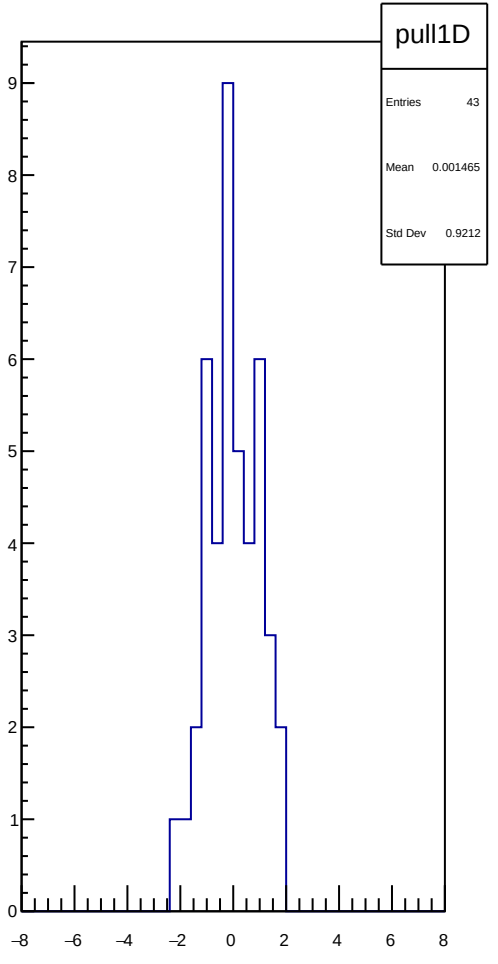

pull1D
Entries 43
Mean 0.001464
Std Dev 0.9212
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

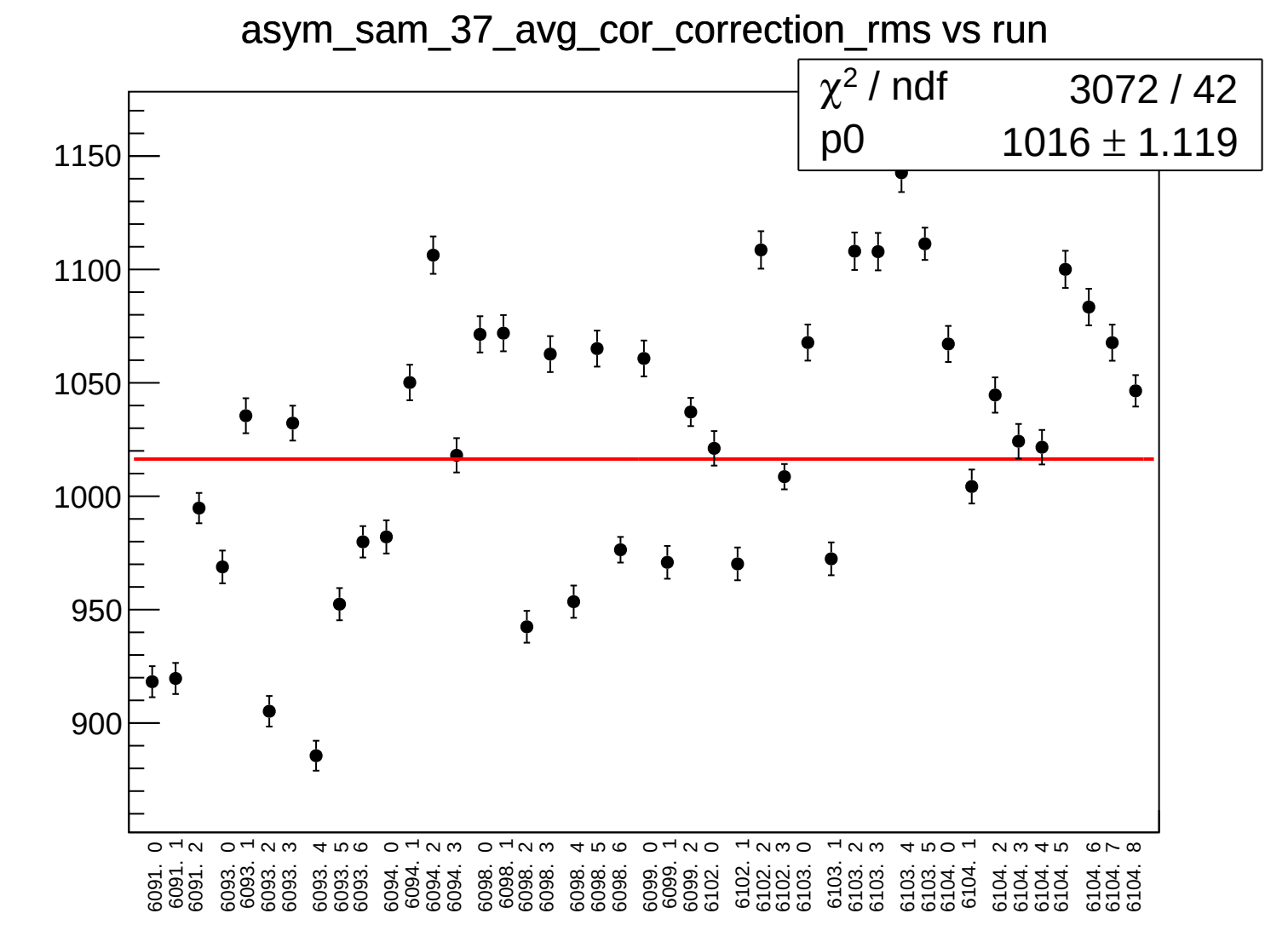

asym_sam_37_avg_reg_correction_rms vs run
χ² / ndf 3072 / 42
p0 1016 ± 1.119
1150
1100
1050
1000
950
900
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

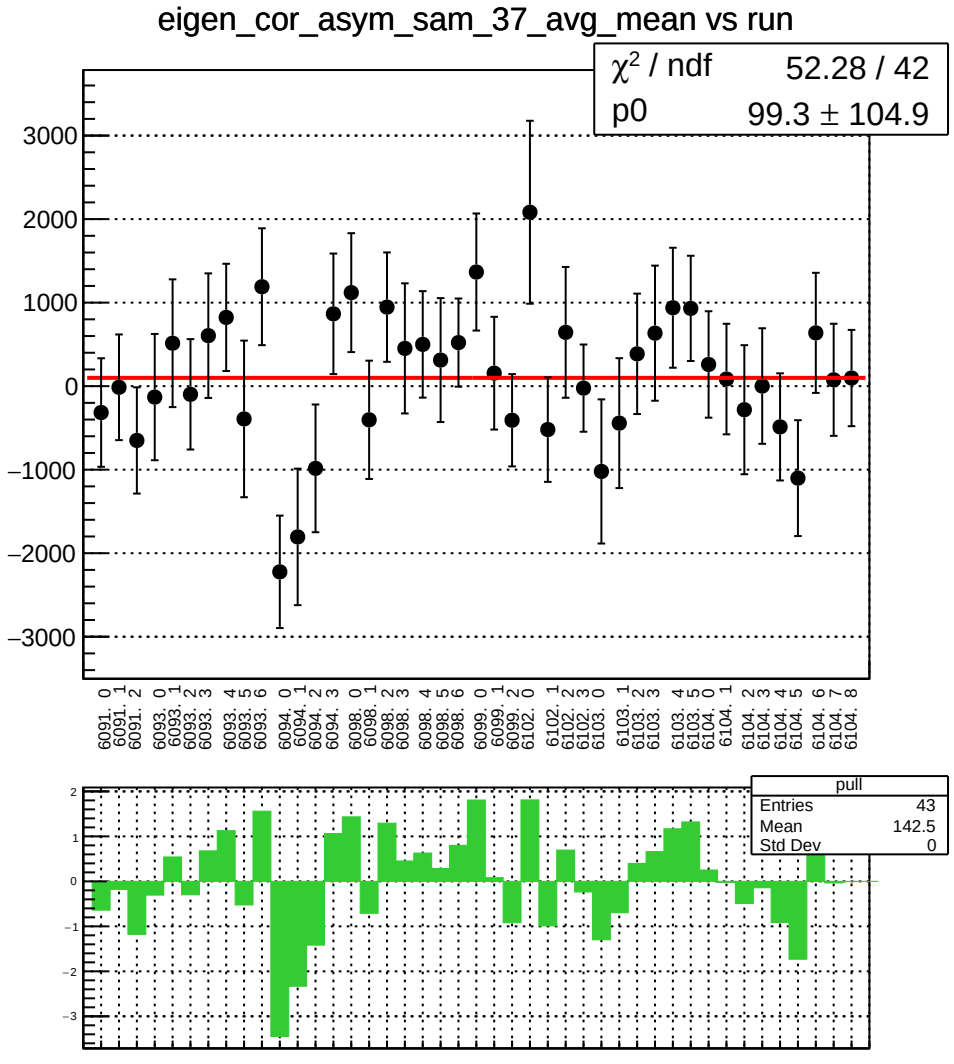

cor_asym_sam_37_avg_mean vs run
χ² / ndf 52.28 / 42
p0 99.3 ± 104.9
3000
2000
1000
0
−1000
−2000
−3000
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 142.5
Std Dev 0
2
1
0
−1
−2
−3
pull1D
Entries 43
Mean 0.007087
Std Dev 1.103
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

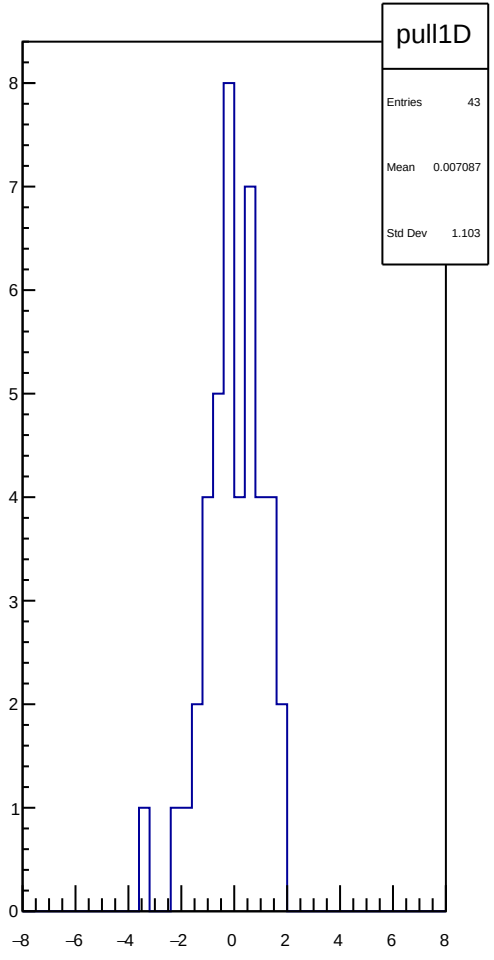

cor_asym_sam_37_avg_rms vs run
χ^2 / ndf 7807 / 42
p0 67.15 ± 0.07416
100
90
80
70
60
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

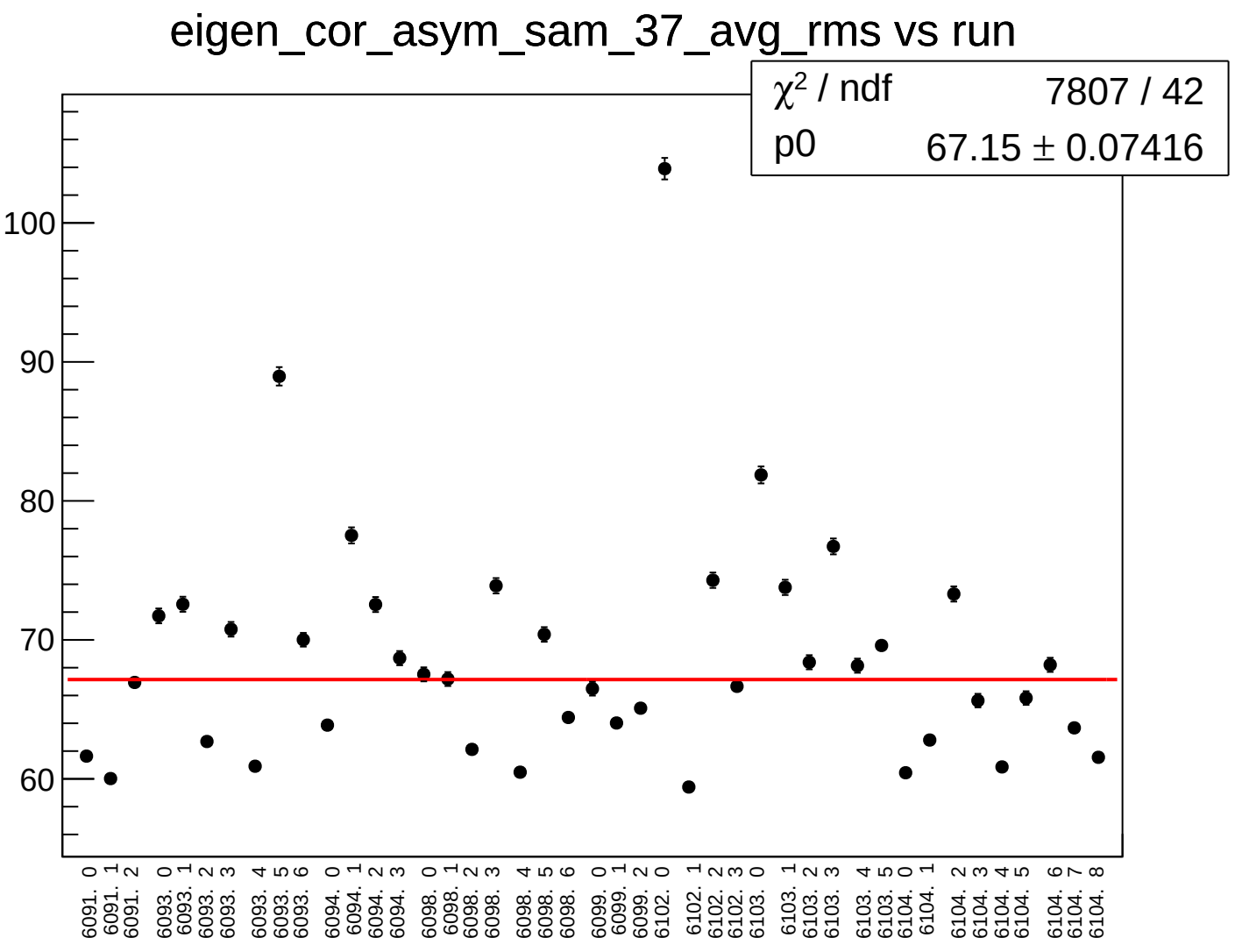

asym_sam_37_avg_cor_correction_mean vs run
χ² / ndf 36.49 / 42
p0 282.4 ± 1583
30000
20000
10000
0
−10000
−20000
−30000
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 189.1
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2

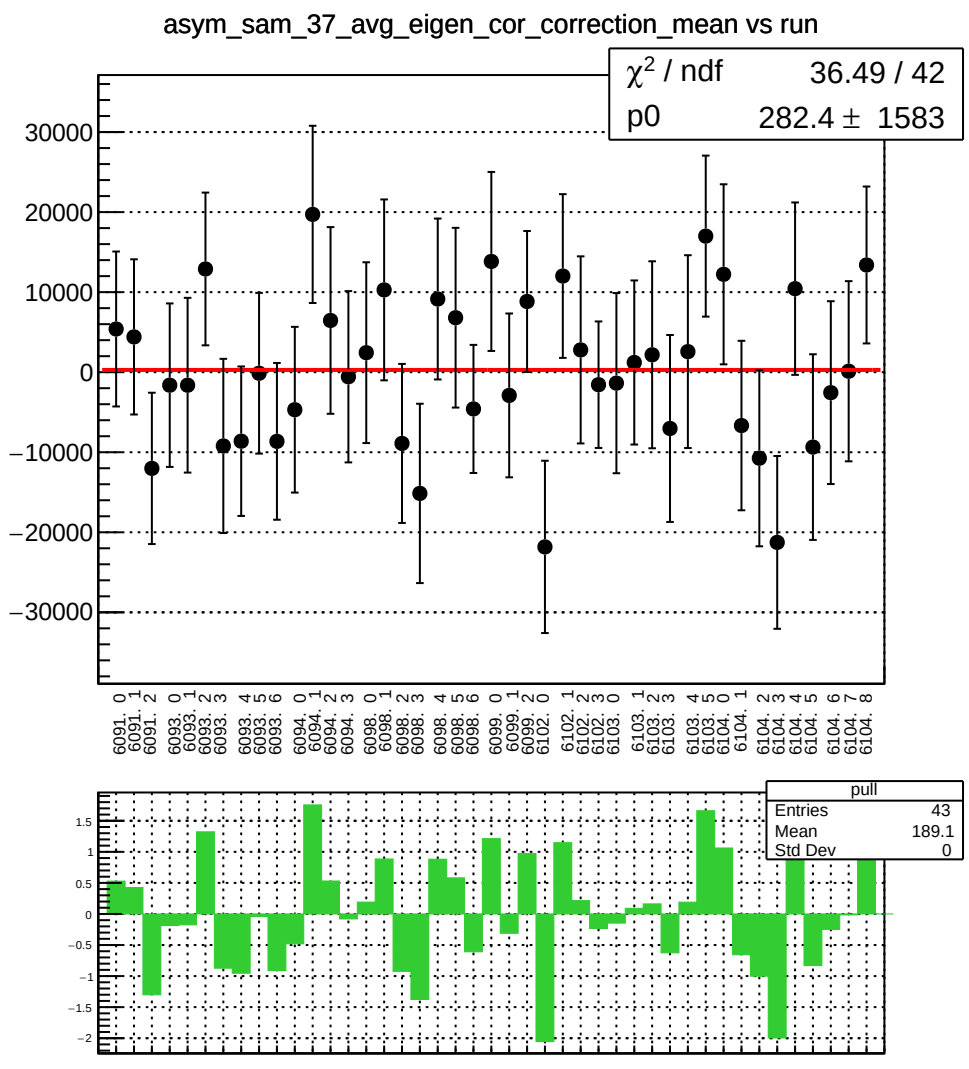

pull1D
Entries 43
Mean 0.001465
Std Dev 0.9212
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

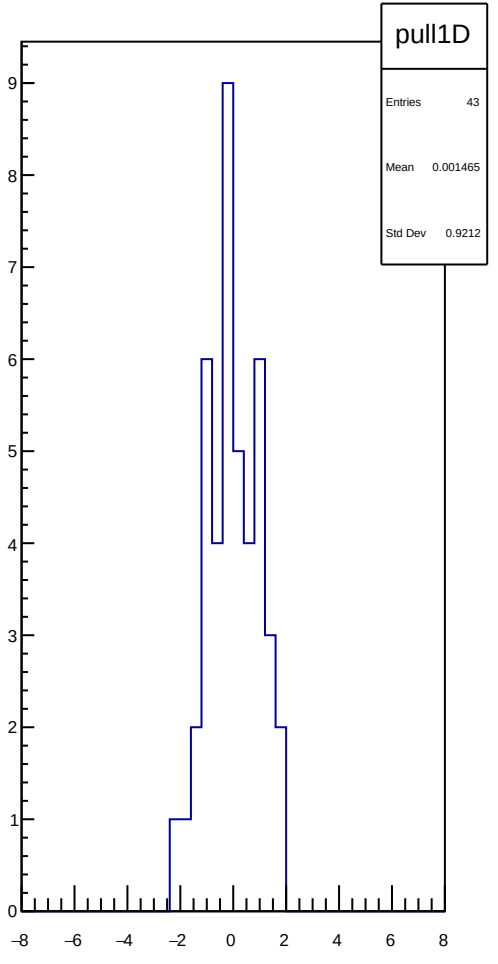

asym_sam_37_avg_cor_correction_rms vs run
χ² / ndf 3072 / 42
p0 1016 ± 1.119
1150
1100
1050
1000
950
900
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

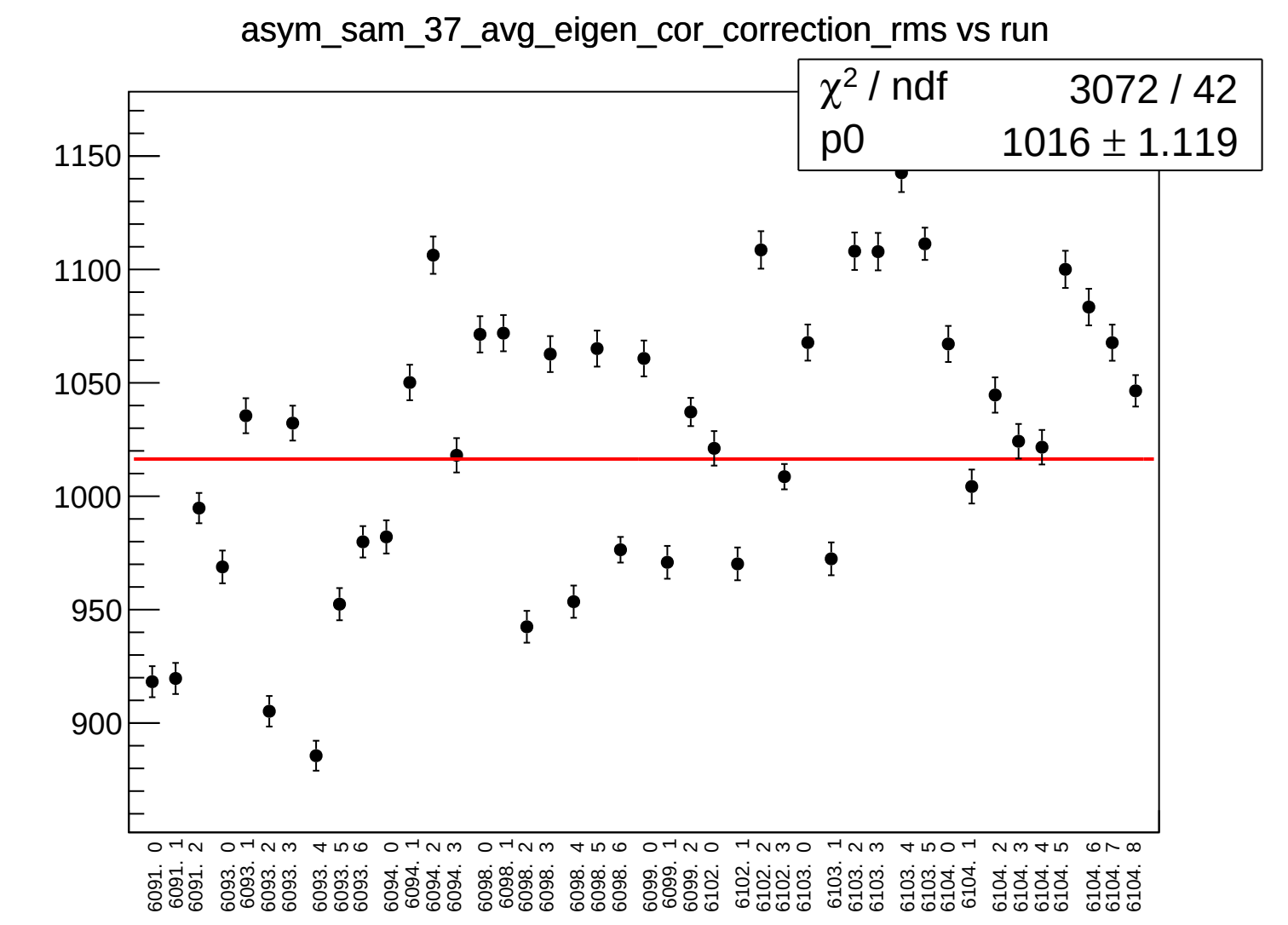

eigen_cor_asym_sam_37_avg_mean vs run
χ² / ndf 52.28 / 42
p0 99.3 ± 104.9
3000
2000
1000
0
−1000
−2000
−3000
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 142.5
Std Dev 0
2
1
0
−1
−2
−3

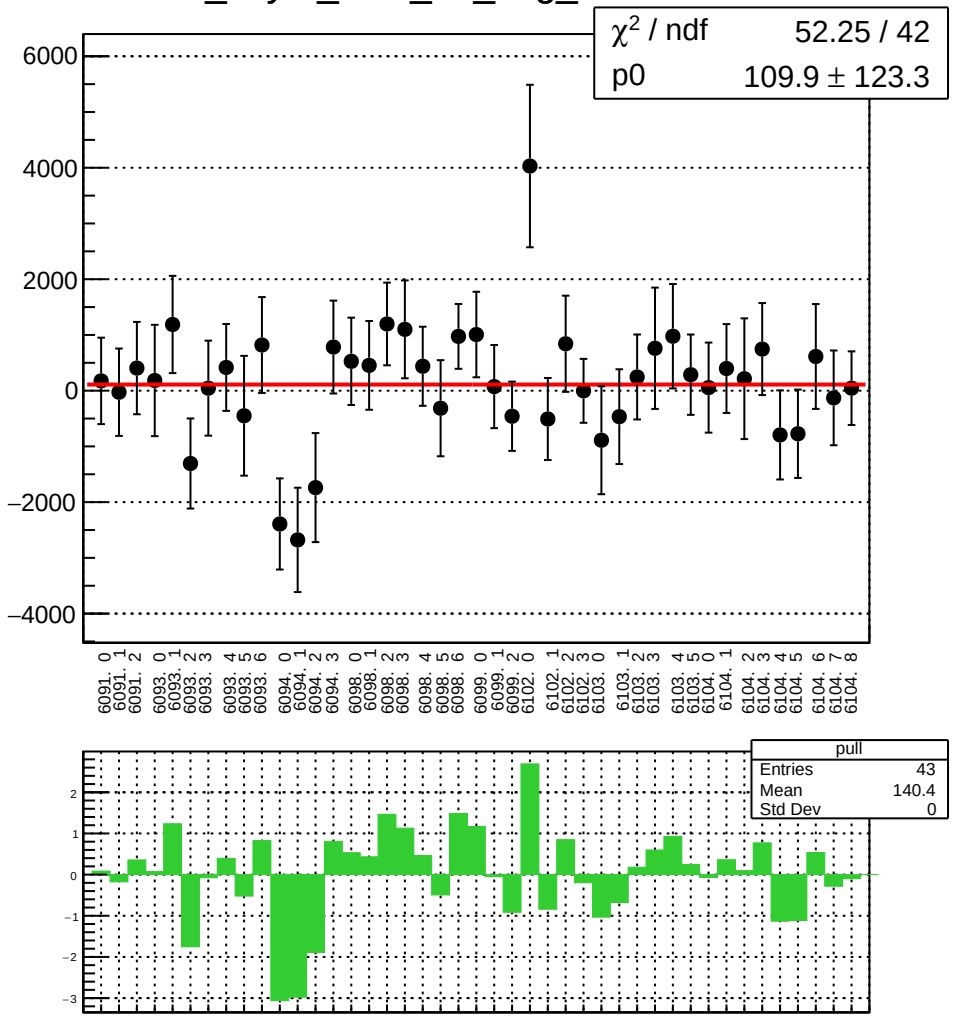

pull1D
Entries 43
Mean 0.007087
Std Dev 1.103
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

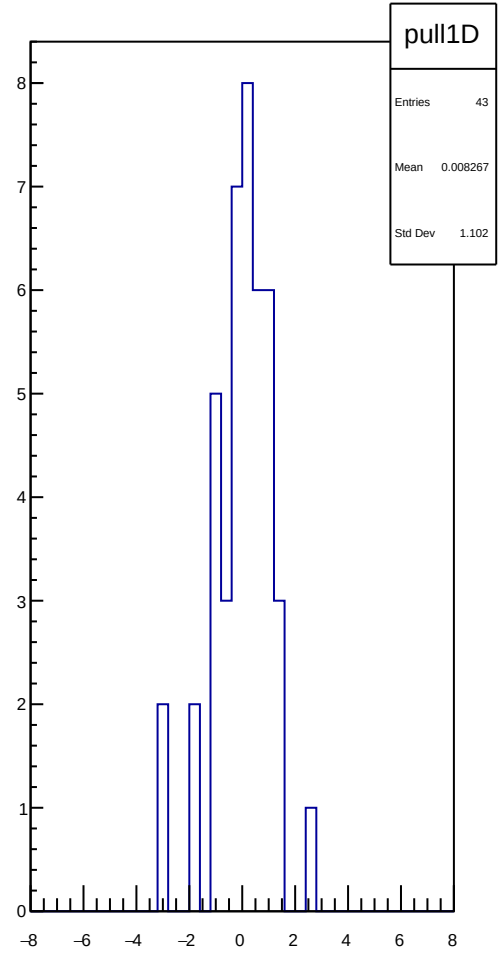

eigen_cor_asym_sam_37_avg_rms vs run
χ^2 / ndf 7807 / 42
p0 67.15 ± 0.07416
100
90
80
70
60
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

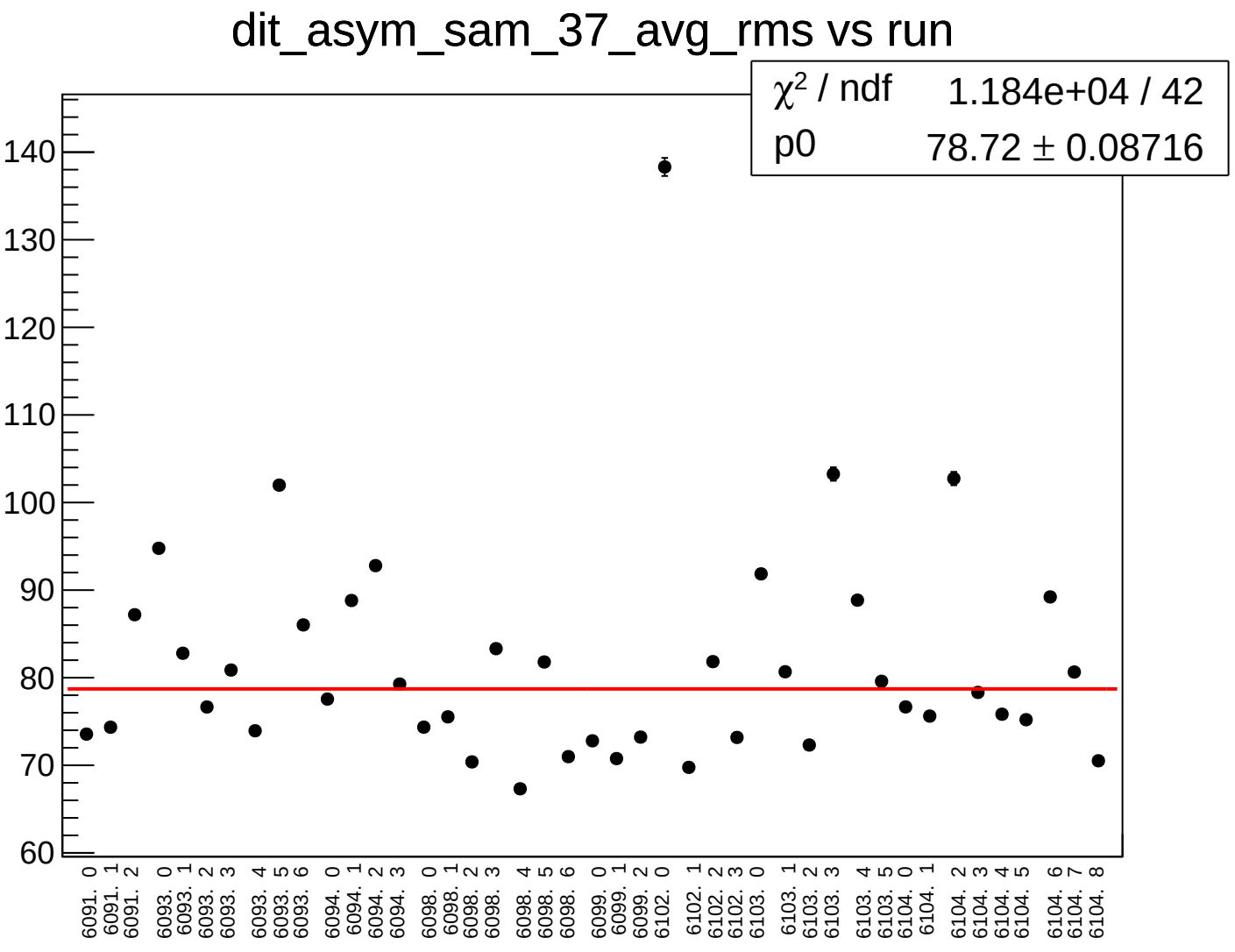

asym_sam_37_avg_eigen_cor_correction_mean vs run
χ² / ndf 36.49 / 42
p0 282.4 ± 1583
30000
20000
10000
0
−10000
−20000
−30000
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 189.1
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2

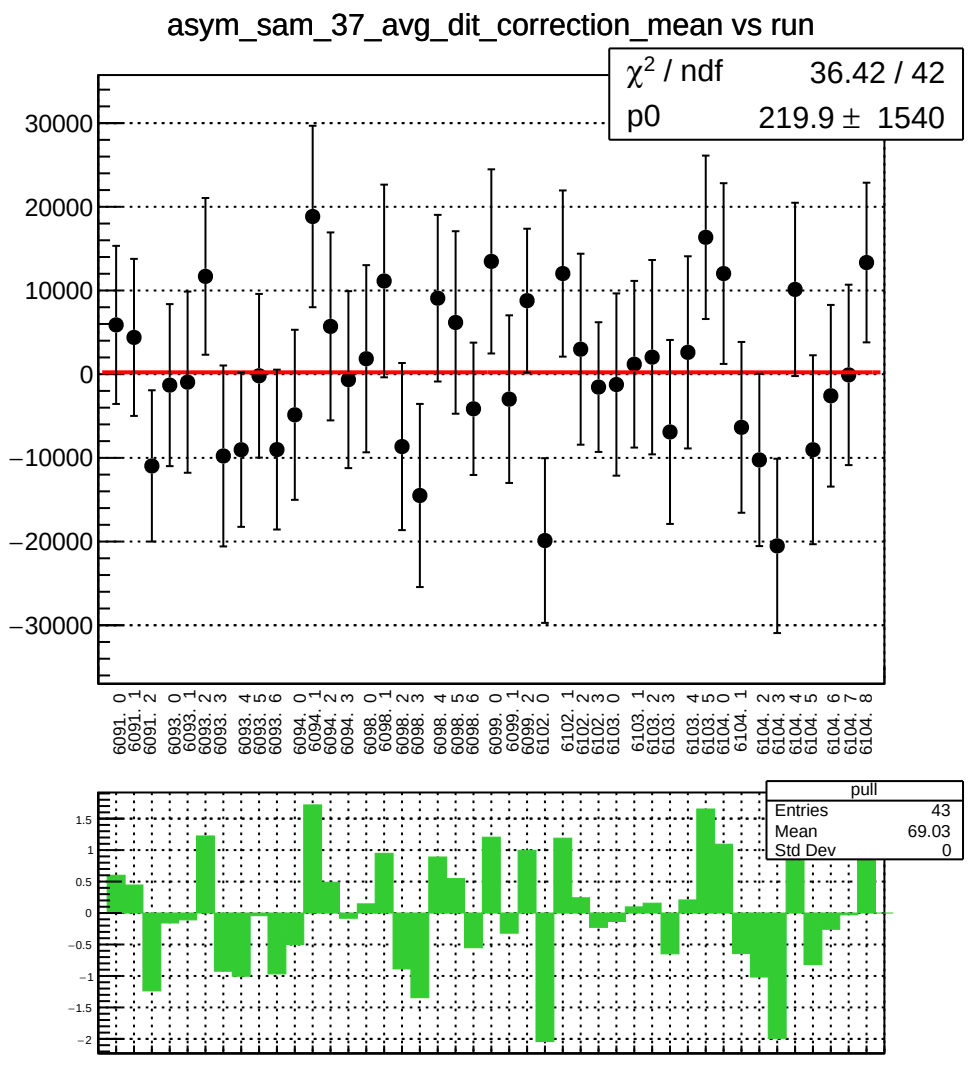

pull1D
Entries 43
Mean 0.001465
Std Dev 0.9212
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

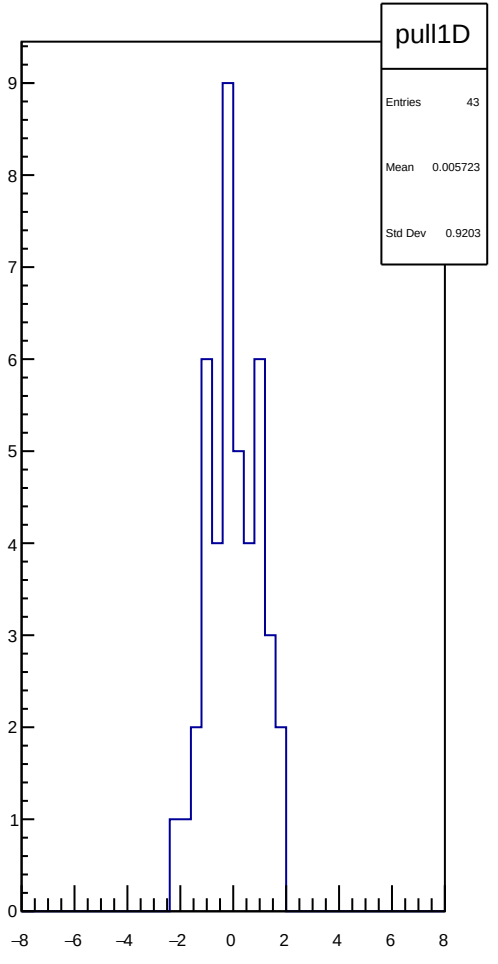

asym_sam_37_avg_eigen_cor_correction_rms vs run
χ² / ndf 3072 / 42
p0 1016 ± 1.119
1150
1100
1050
1000
950
900
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

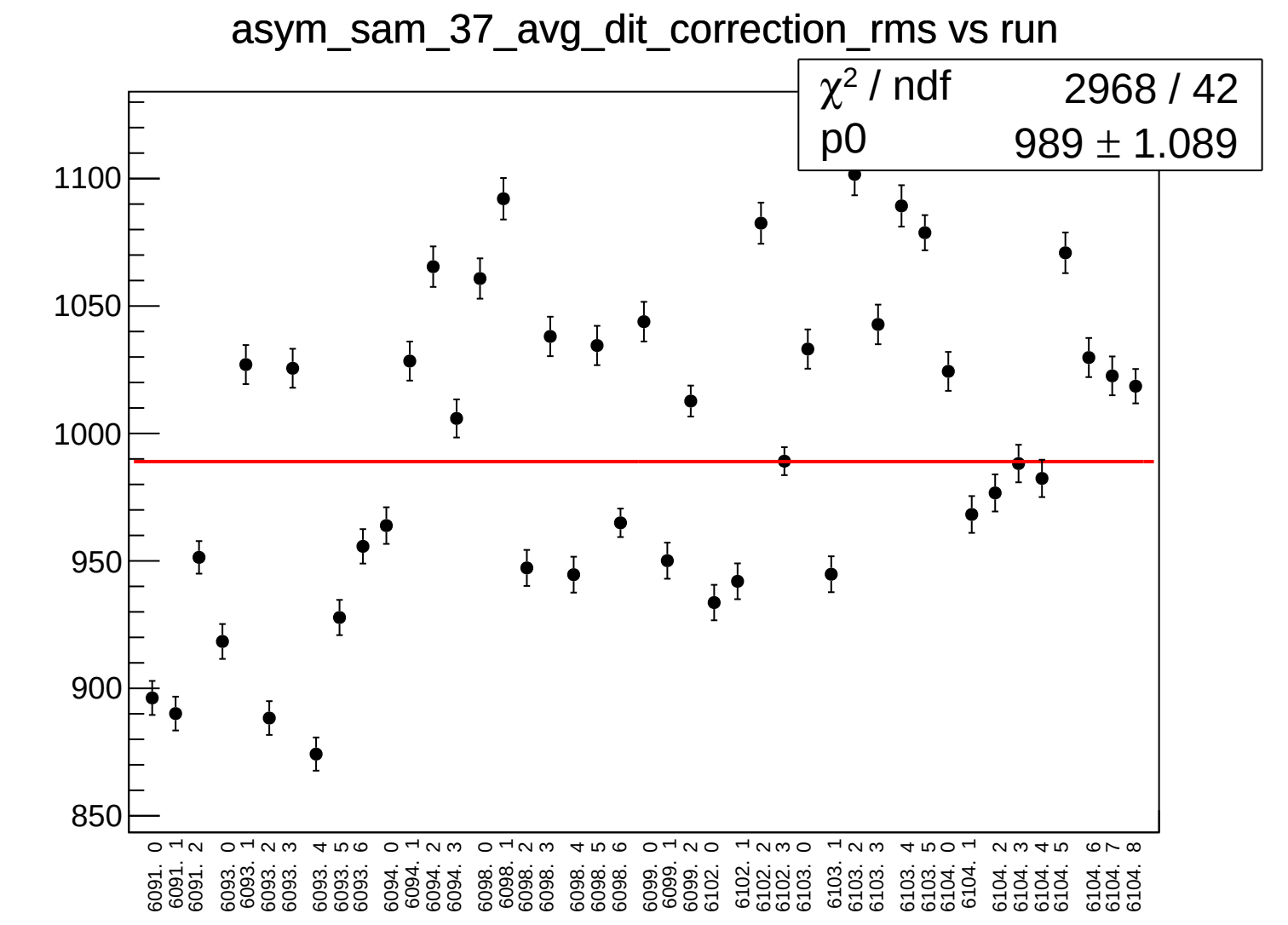

dit_asym_sam_37_avg_mean vs run
χ² / ndf 52.25 / 42
p0 109.9 ± 123.3
6000
4000
2000
0
−2000
−4000
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 140.4
Std Dev 0
2
1
0
−1
−2
−3

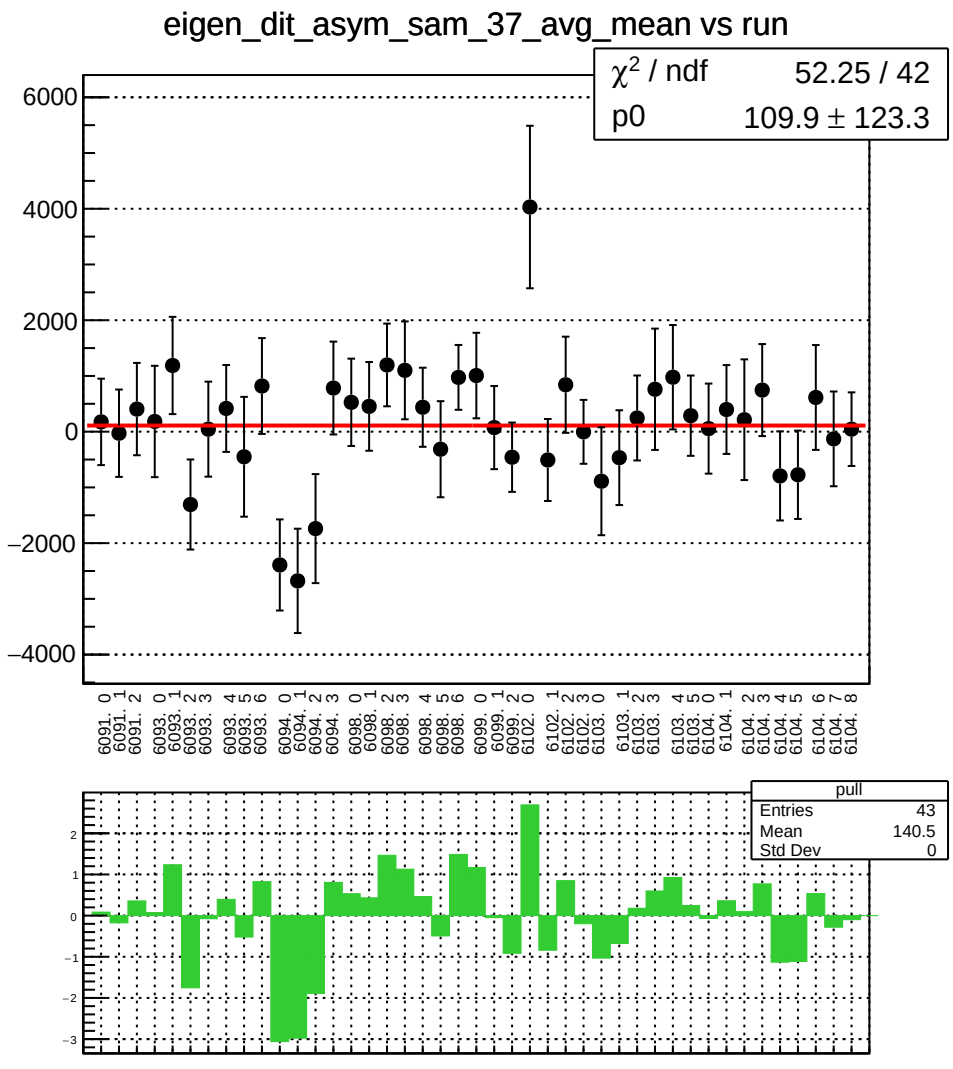

pull1D
Entries 43
Mean 0.008267
Std Dev 1.102
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

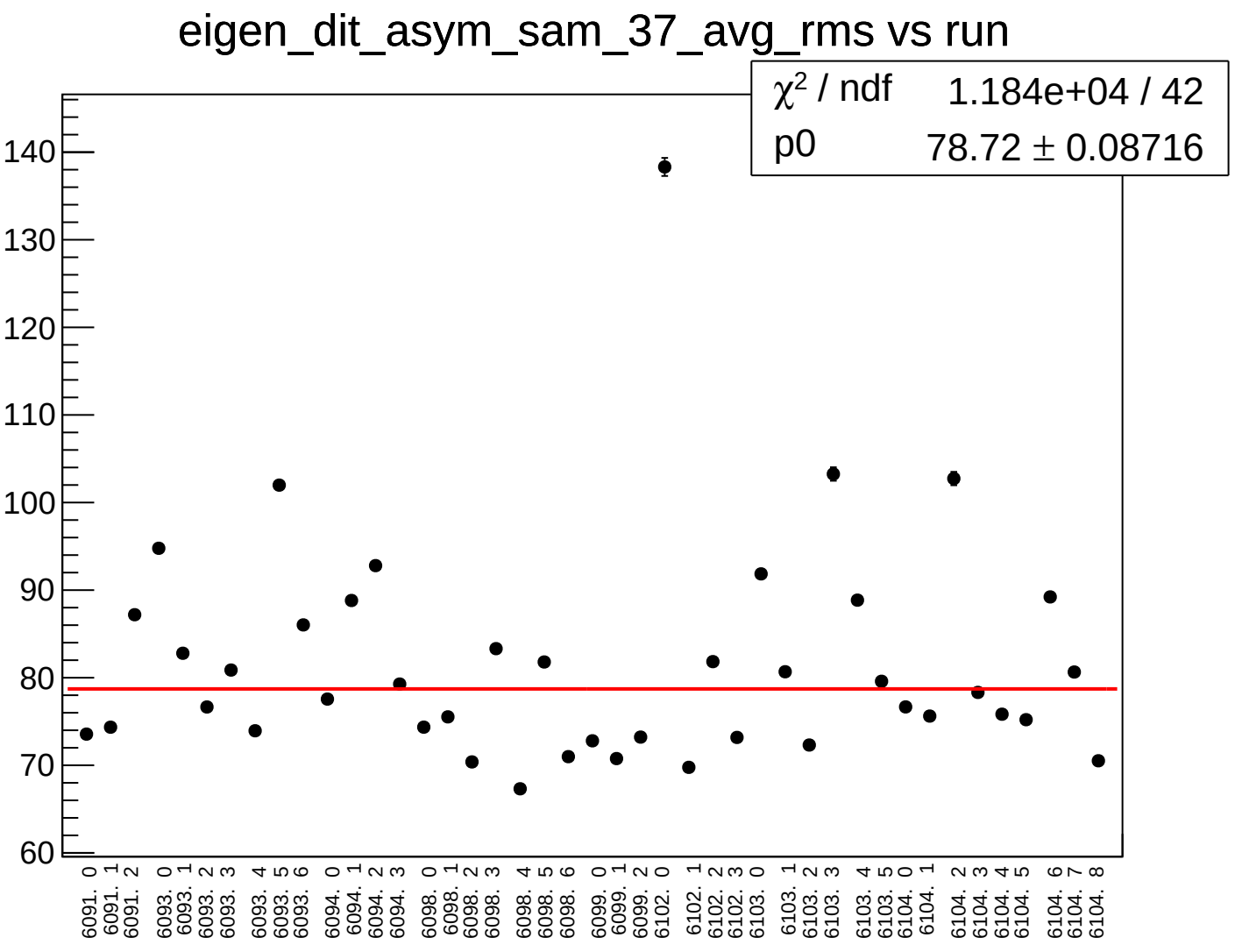

dit_asym_sam_37_avg_rms vs run
χ² / ndf 1.184e+04 / 42
p0 78.72 ± 0.08716
140
130
120
110
100
90
80
70
60
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

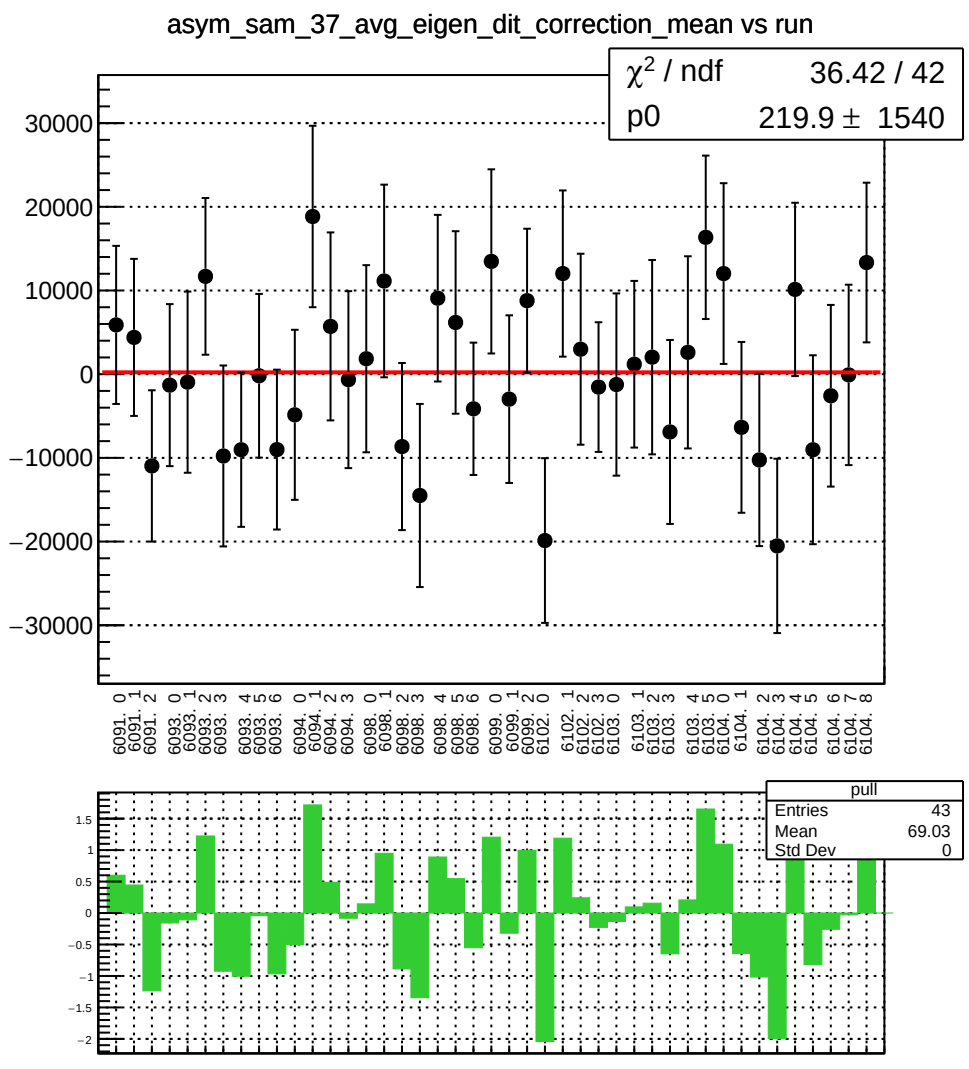

asym_sam_37_avg_dit_correction_mean vs run
χ² / ndf 36.42 / 42
p0 219.9 ± 1540
30000
20000
10000
0
−10000
−20000
−30000
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 69.03
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2

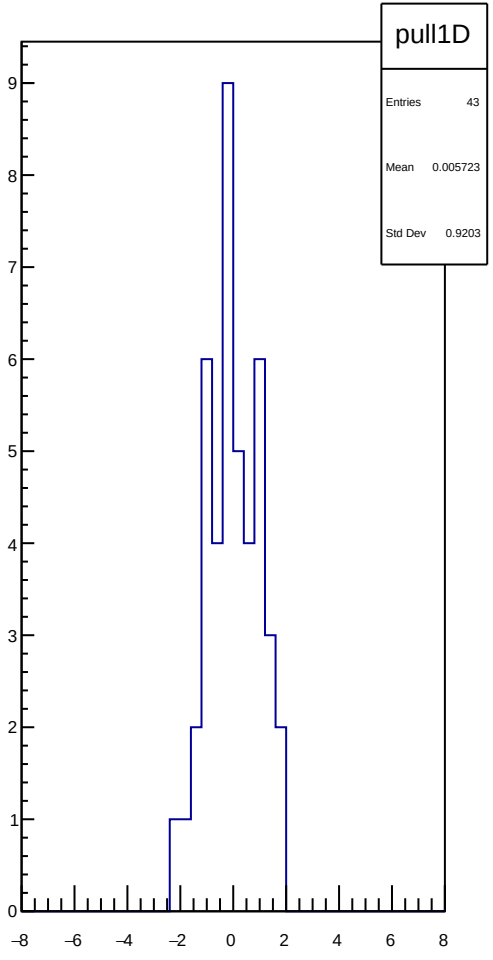

pull1D
Entries 43
Mean 0.005723
Std Dev 0.9203
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

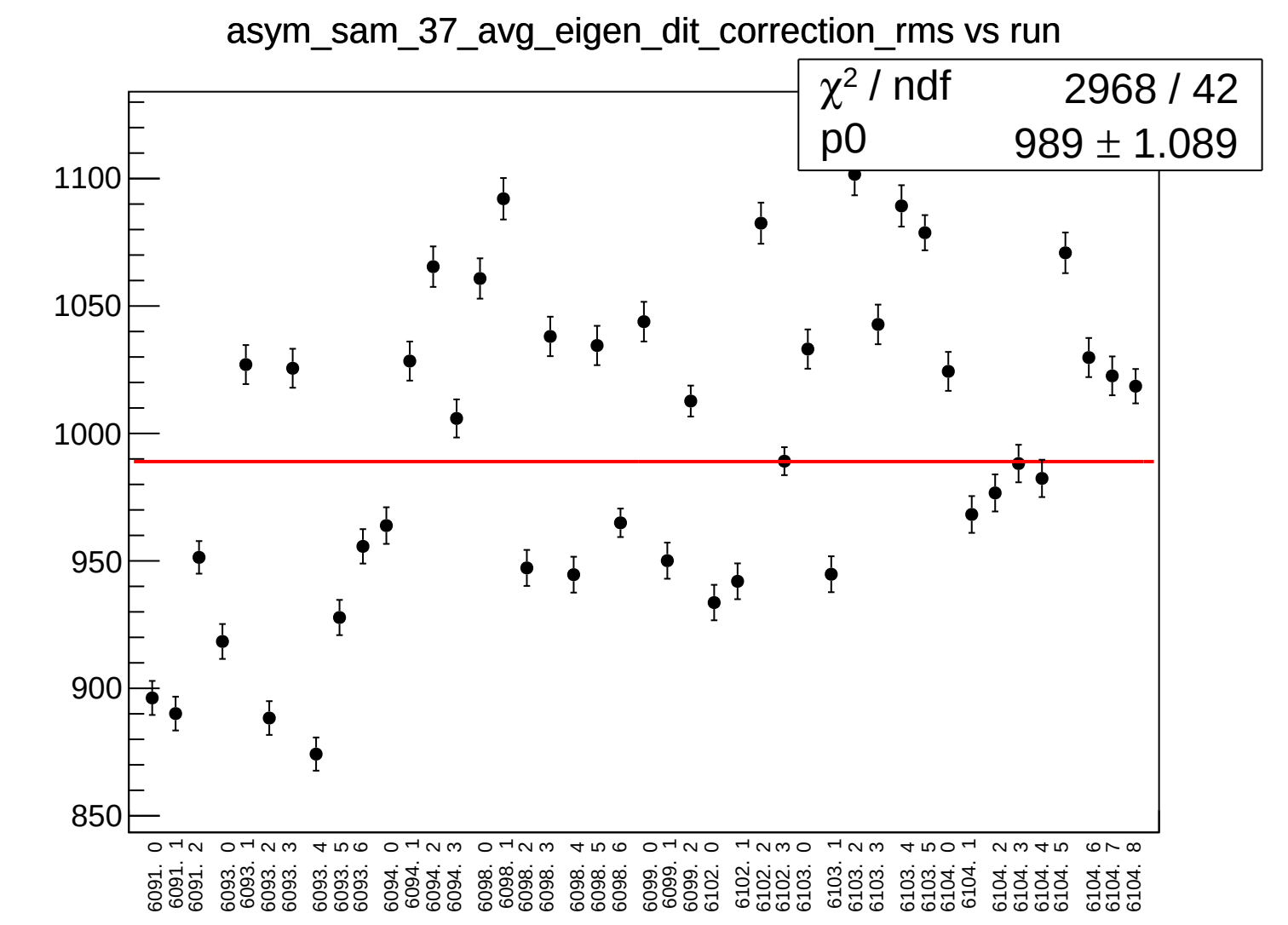

asym_sam_37_avg_dit_correction_rms vs run
χ² / ndf 2968 / 42
p0 989 ± 1.089
1100
1050
1000
950
900
850
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

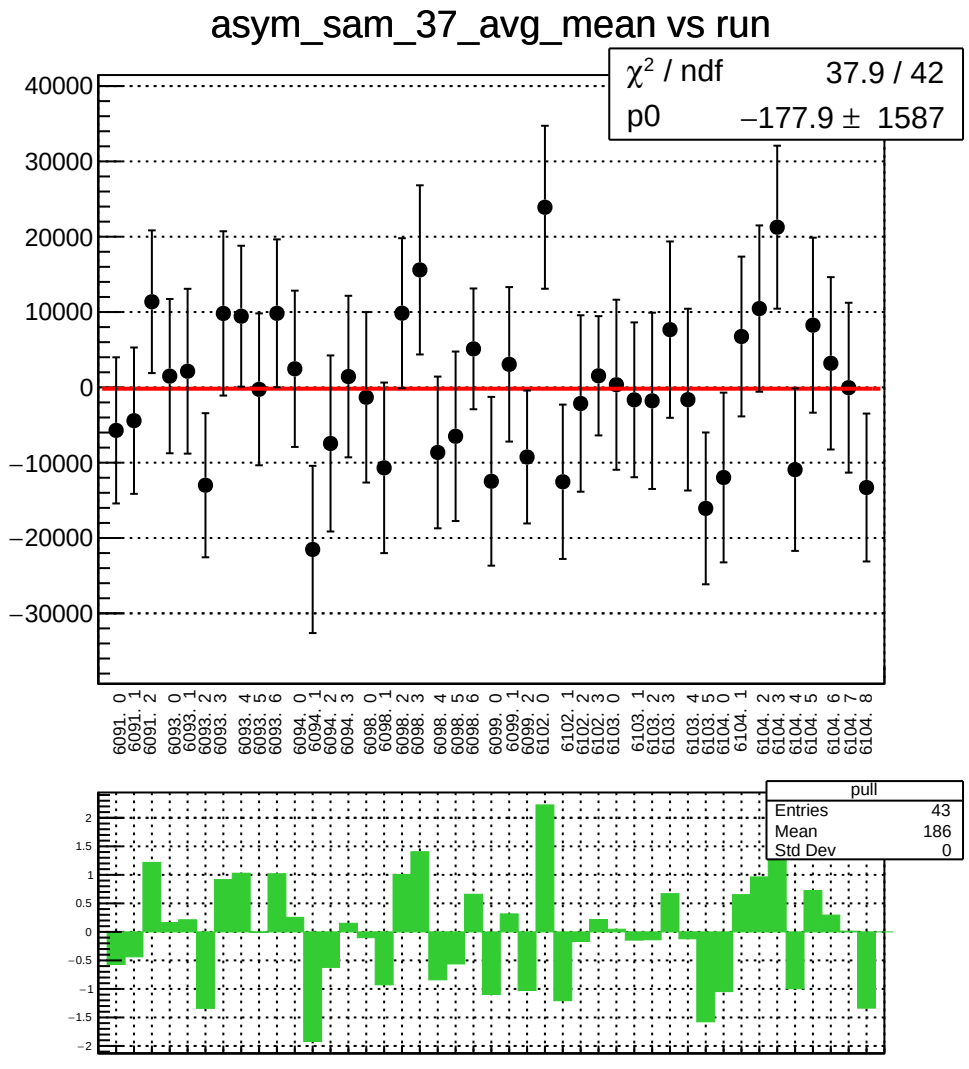

eigen_dit_asym_sam_37_avg_mean vs run
χ² / ndf 52.25 / 42
p0 109.9 ± 123.3
6000
4000
2000
0
−2000
−4000
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 140.5
Std Dev 0
2
1
0
−1
−2
−3
pull1D
Entries 43
Mean 0.008266
Std Dev 1.102
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

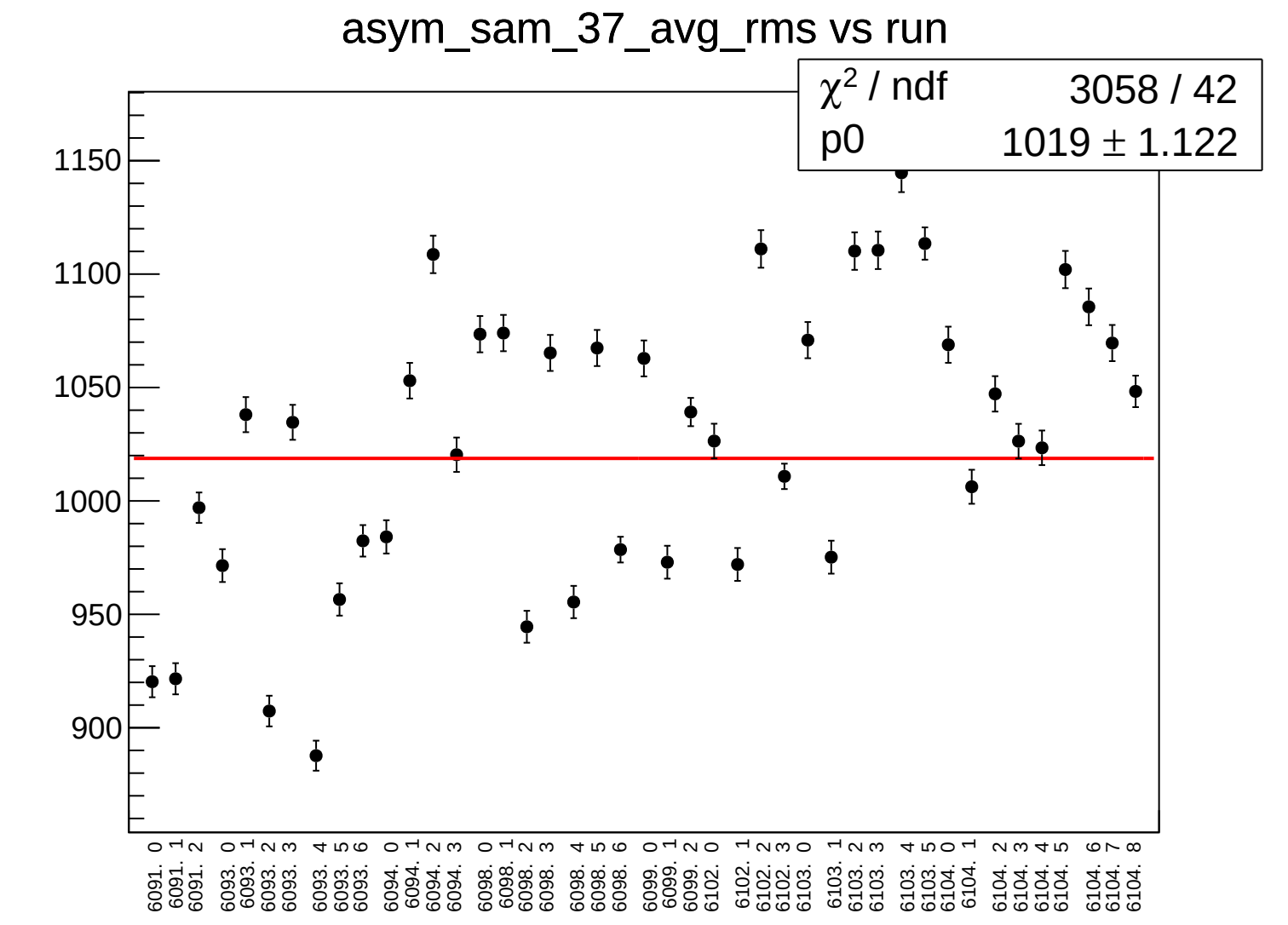

eigen_dit_asym_sam_37_avg_rms vs run
χ² / ndf 1.184e+04 / 42
p0 78.72 ± 0.08716
140
130
120
110
100
90
80
70
60
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

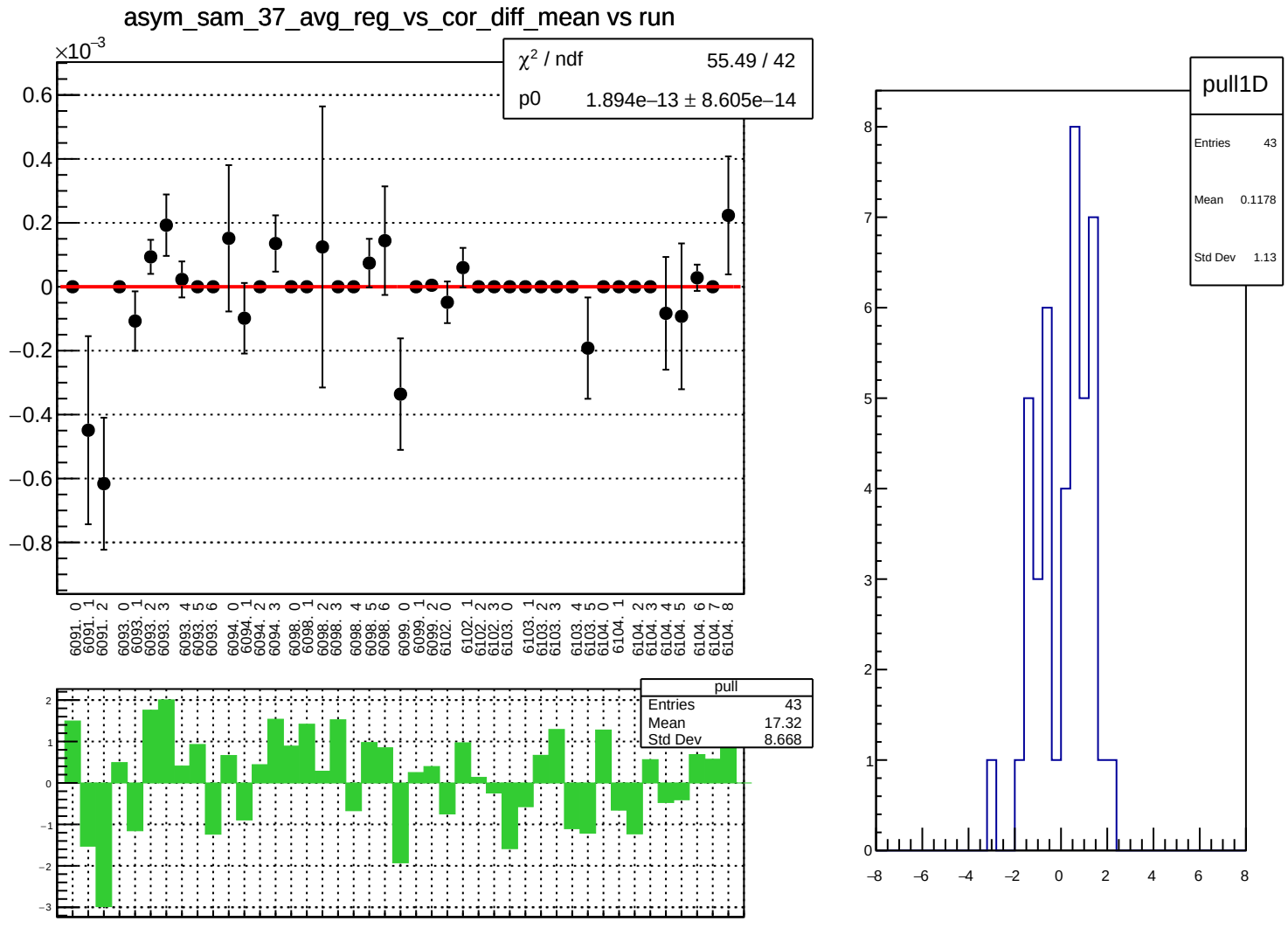

asym_sam_37_avg_eigen_dit_correction_mean vs run
χ² / ndf 36.42 / 42
p0 219.9 ± 1540
30000
20000
10000
0
−10000
−20000
−30000
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 69.03
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2

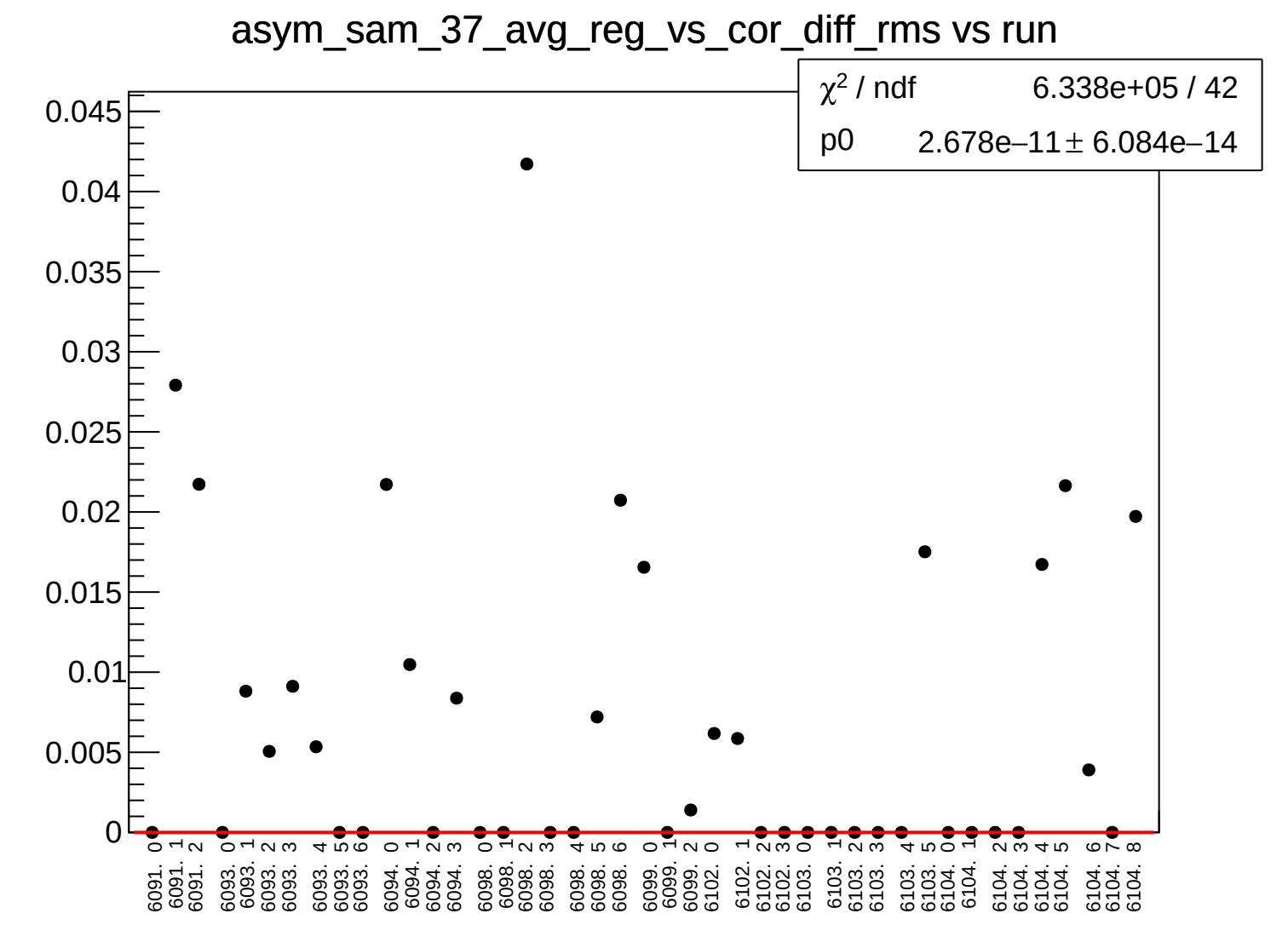

pull1D
Entries 43
Mean 0.005723
Std Dev 0.9203
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

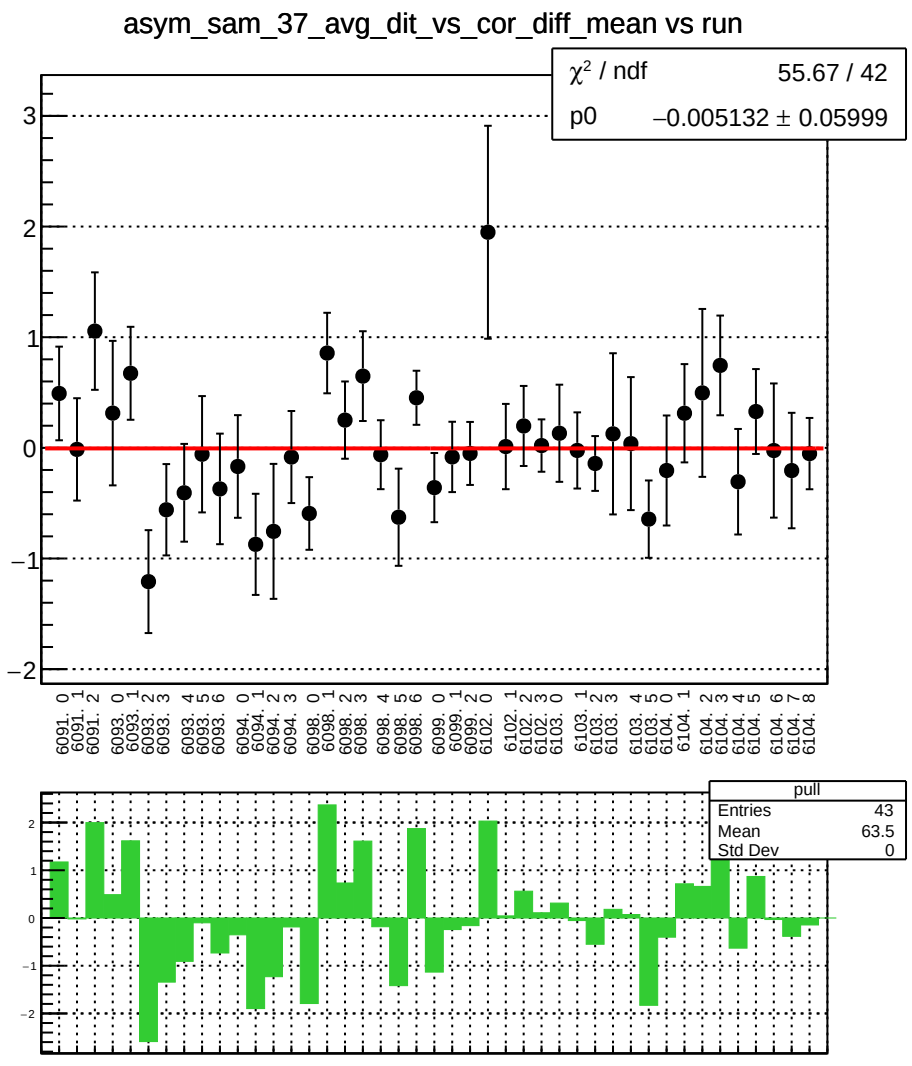

asym_sam_37_avg_eigen_dit_correction_rms vs run
χ² / ndf 2968 / 42
p0 989 ± 1.089
1100
1050
1000
950
900
850
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

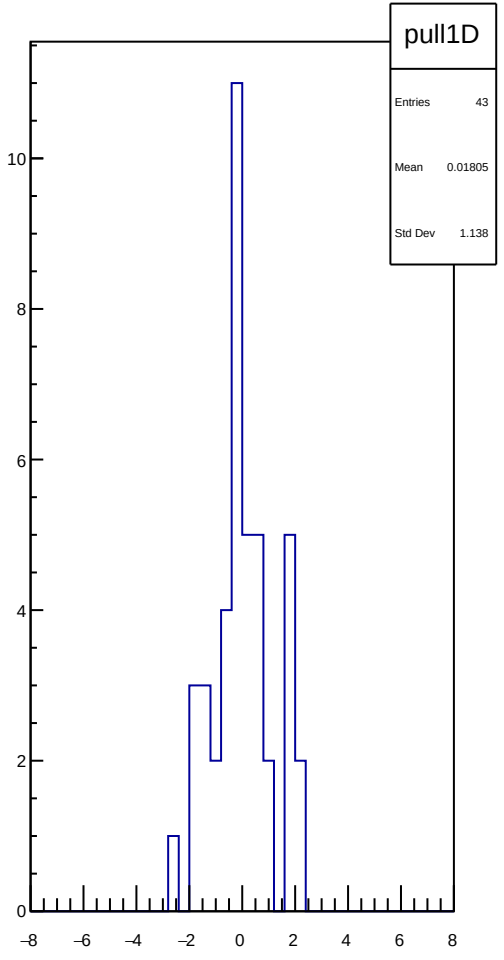

asym_sam_37_avg_mean vs run
χ² / ndf 37.9 / 42
p0 −177.9 ± 1587
40000
30000
20000
10000
0
−10000
−20000
−30000
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 186
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 43
Mean −0.001101
Std Dev 0.9388
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

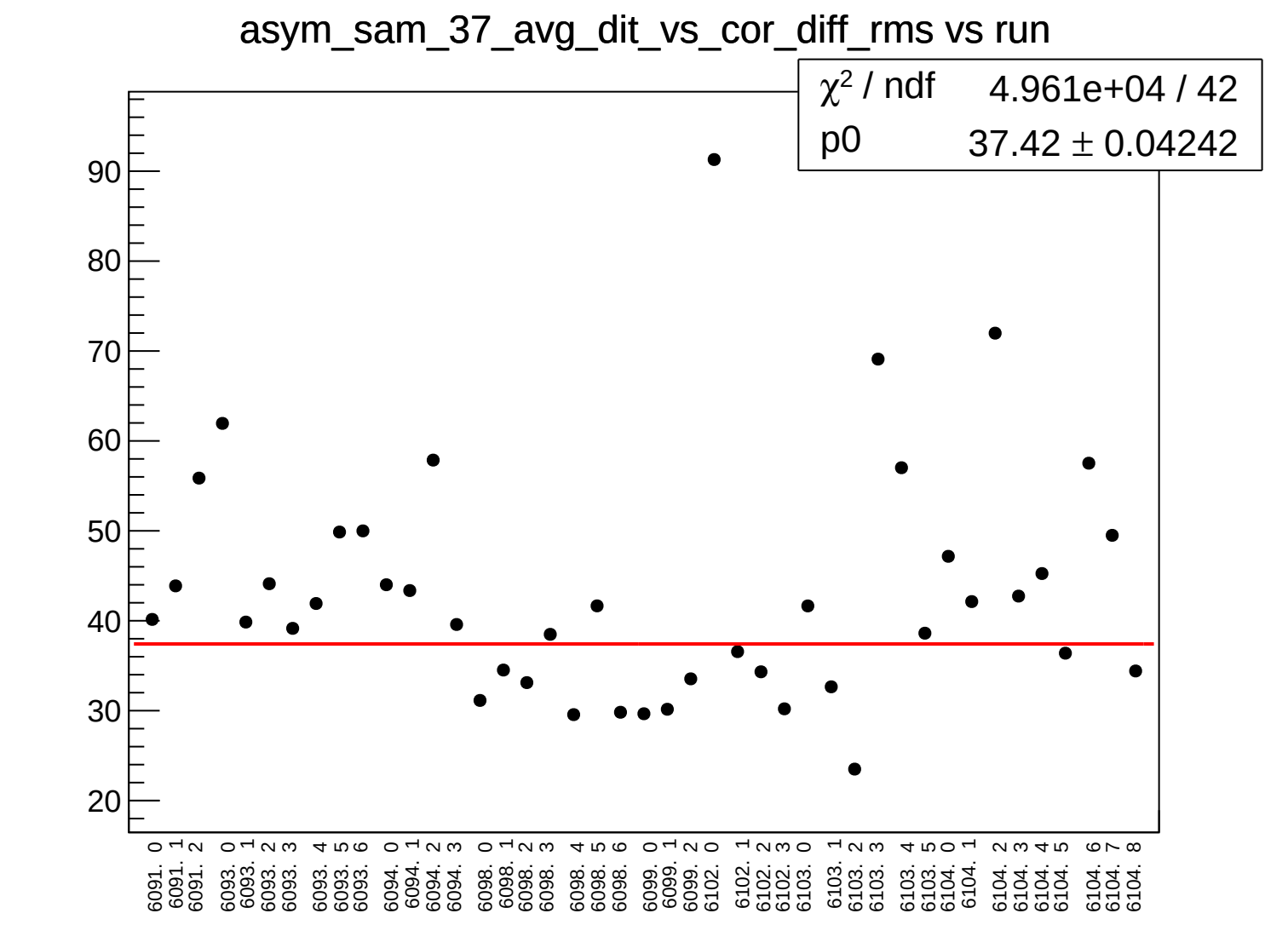

asym_sam_37_avg_rms vs run
χ² / ndf 3058 / 42
p0 1019 ± 1.122
1150
1100
1050
1000
950
900
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

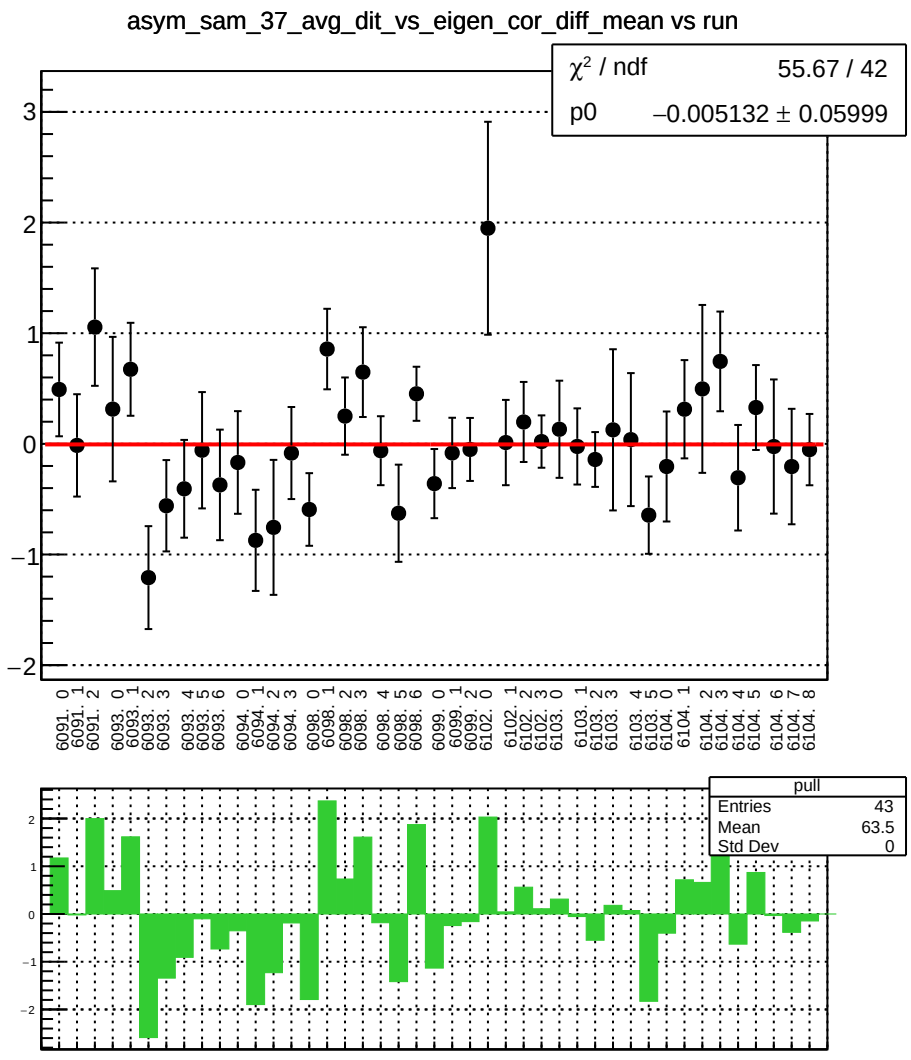

asym_sam_37_avg_reg_vs_cor_diff_mean vs run
×10⁻³
χ² / ndf 55.49 / 42
p0 1.894e−13 ± 8.605e−14
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 17.32
Std Dev 8.668
2
1
0
−1
−2
−3
pull1D
Entries 43
Mean 0.1178
Std Dev 1.13
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

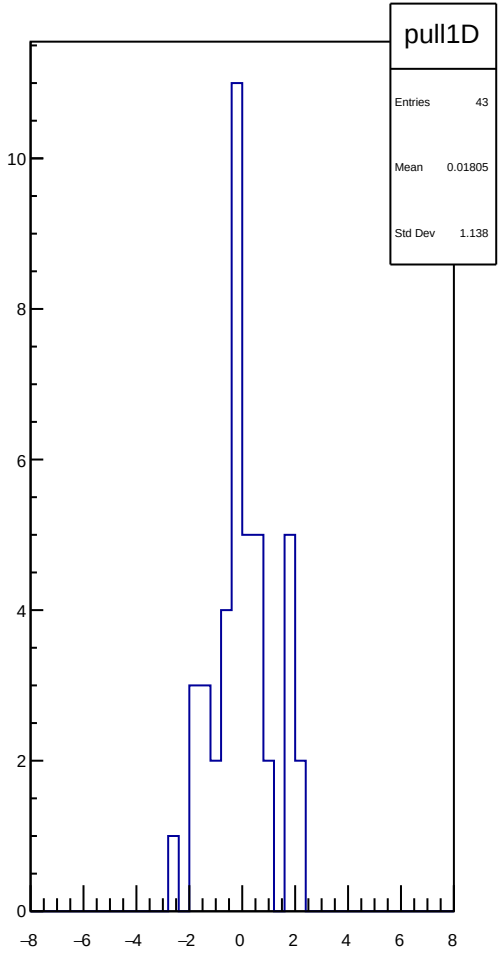

asym_sam_37_avg_reg_vs_cor_diff_rms vs run
χ² / ndf 6.338e+05 / 42
p0 2.678e−11 ± 6.084e−14
0.045
0.04
0.035
0.03
0.025
0.02
0.015
0.01
0.005
0
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

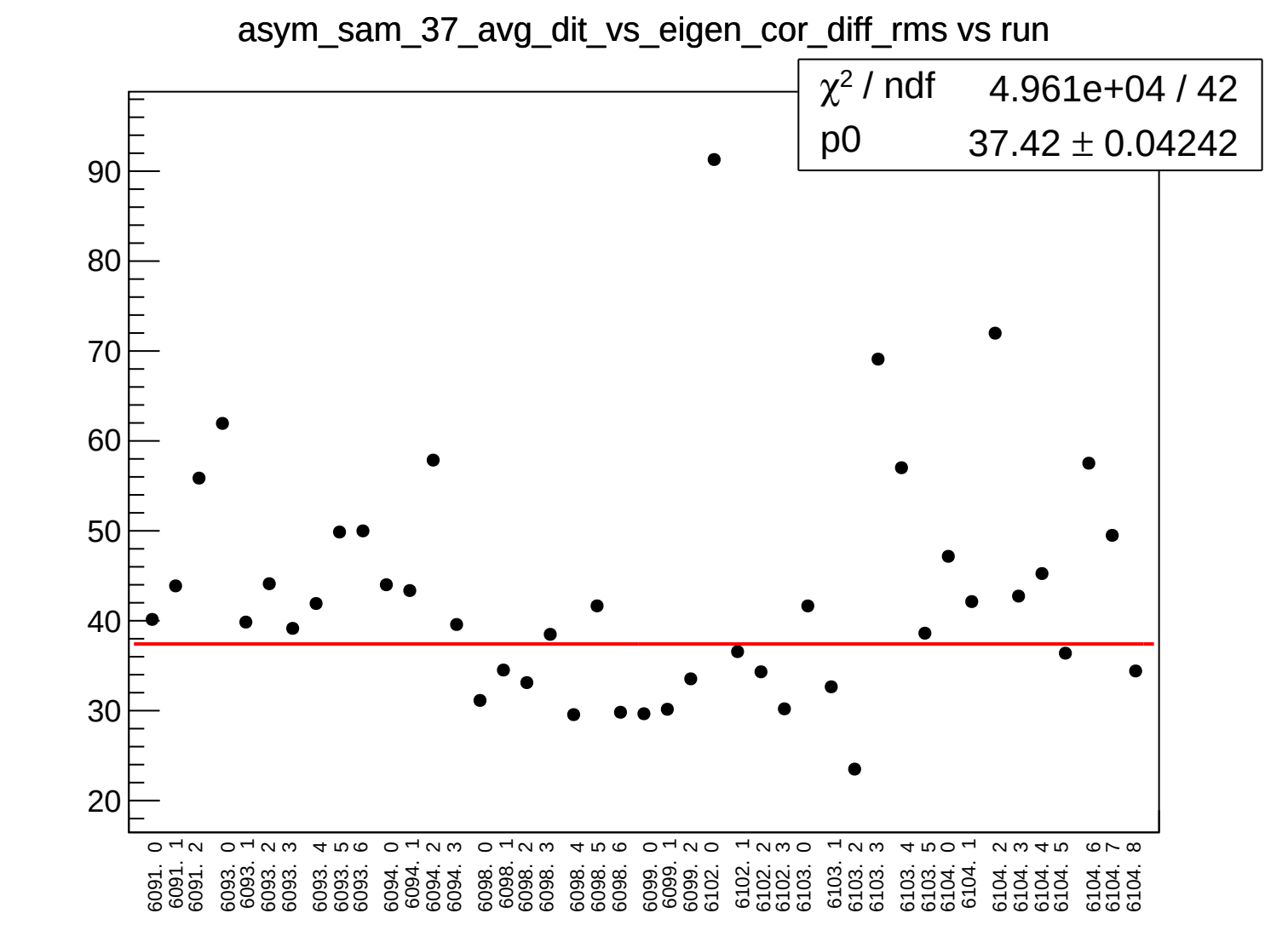

asym_sam_37_avg_dit_vs_cor_diff_mean vs run
χ² / ndf 55.67 / 42
p0 −0.005132 ± 0.05999
pull
Entries 43
Mean 63.5
Std Dev 0

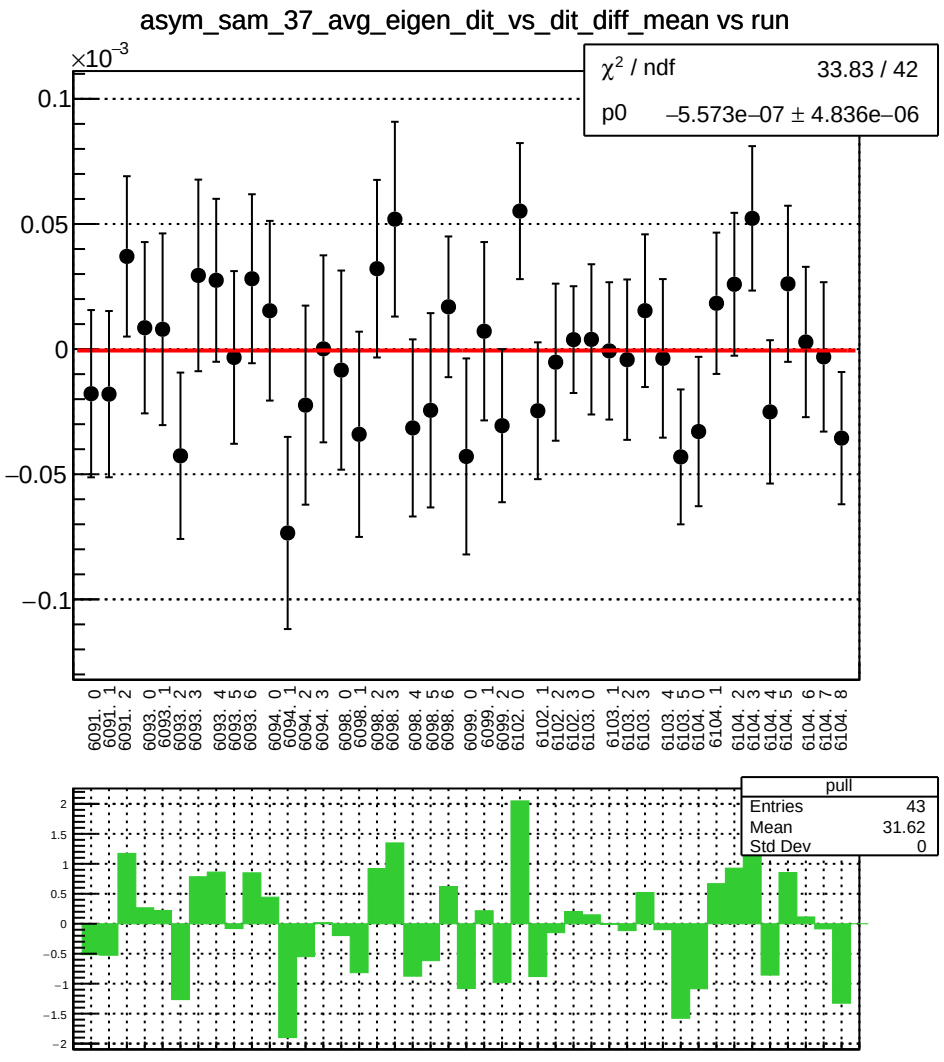

pull1D
Entries 43
Mean 0.01805
Std Dev 1.138

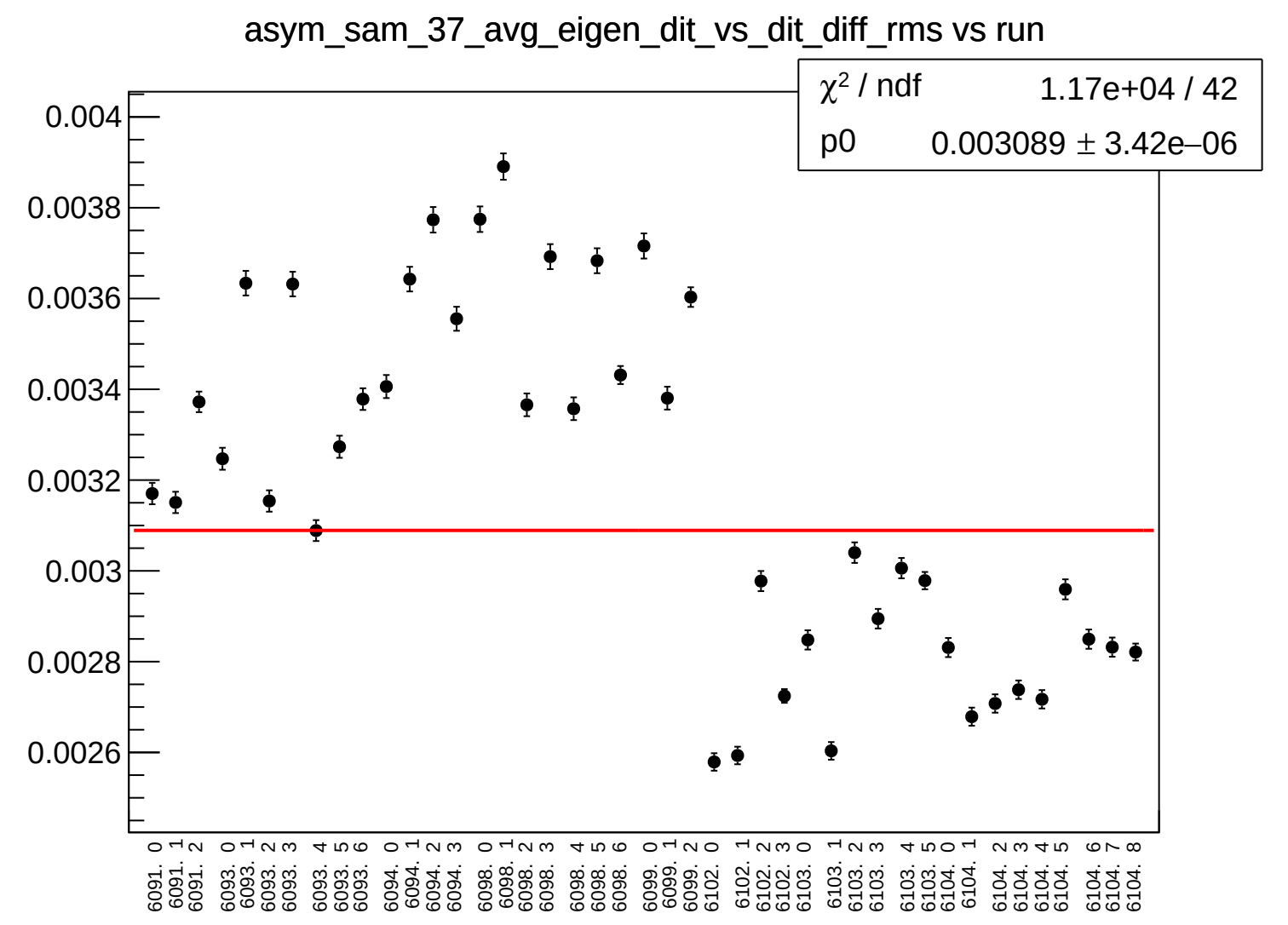

asym_sam_37_avg_dit_vs_cor_diff_rms vs run
χ² / ndf 4.961e+04 / 42
p0 37.42 ± 0.04242
90
80
70
60
50
40
30
20
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

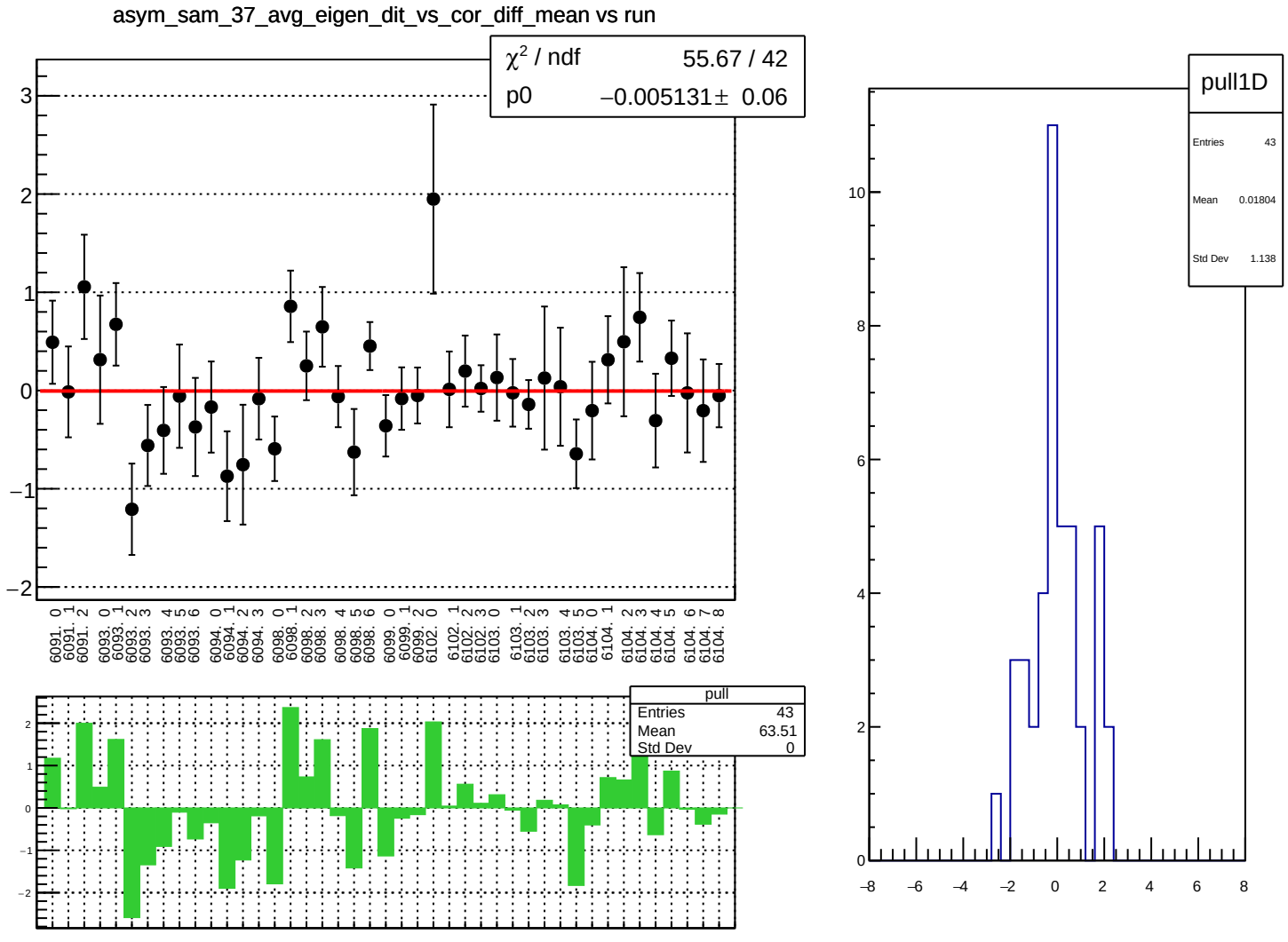

asym_sam_37_avg_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 55.67 / 42
p0 −0.005132 ± 0.05999
3
2
1
0
−1
−2
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 63.5
Std Dev 0
2
1
0
−1
−2

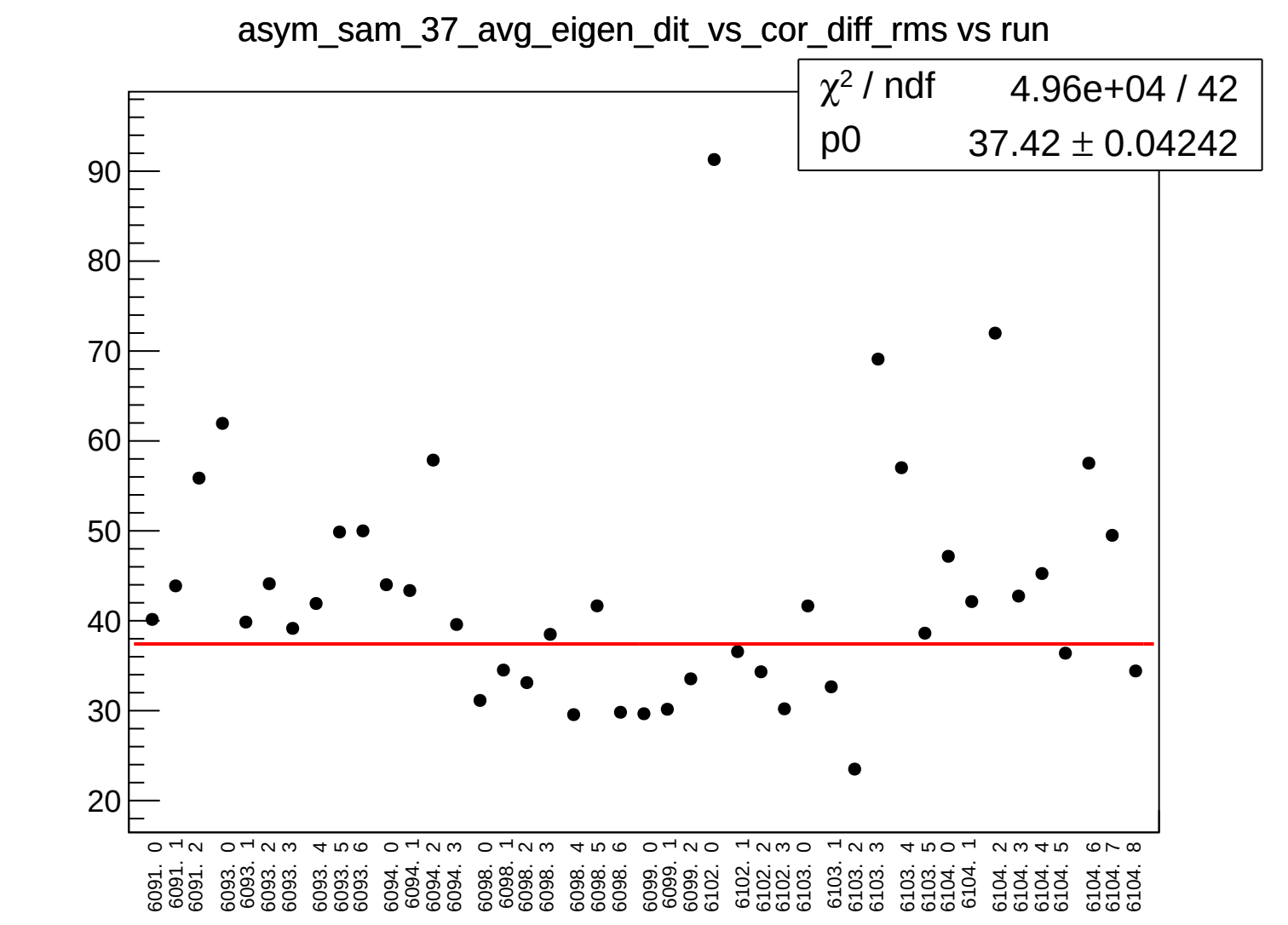

pull1D
Entries 43
Mean 0.01805
Std Dev 1.138
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

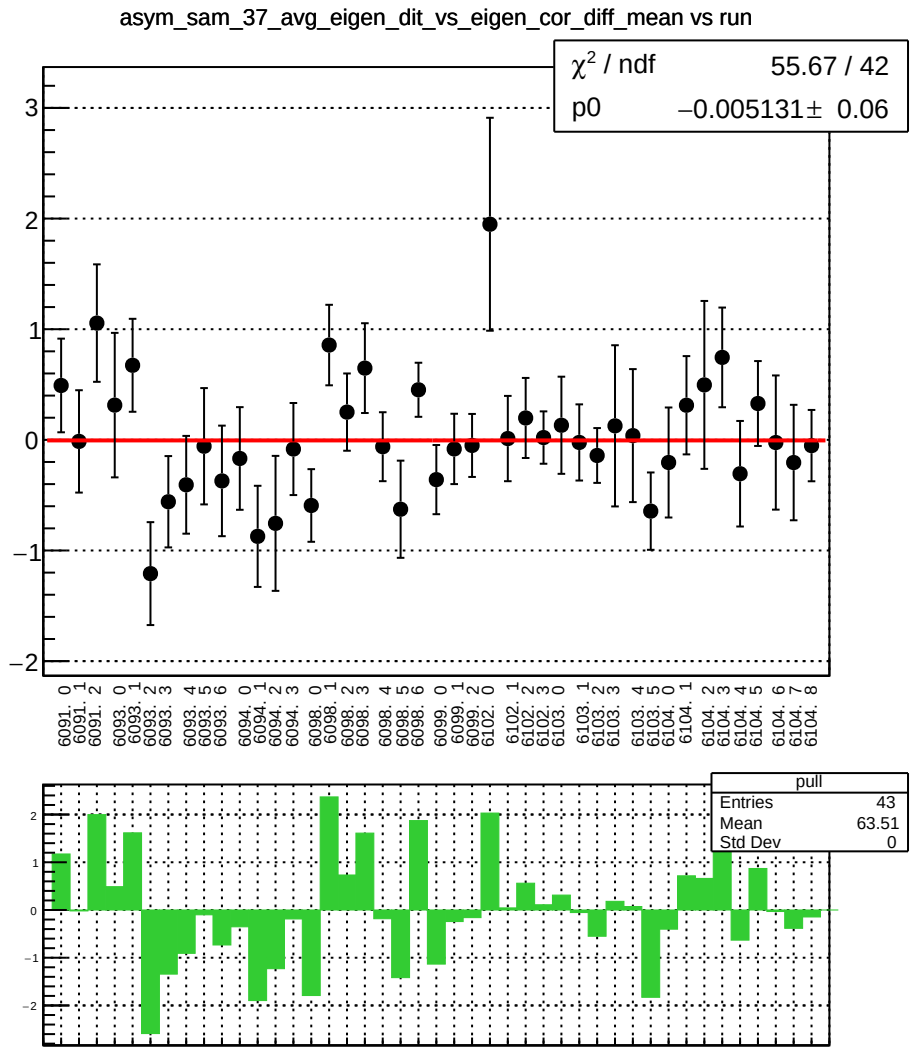

asym_sam_37_avg_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 4.961e+04 / 42
p0 37.42 ± 0.04242
90
80
70
60
50
40
30
20
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

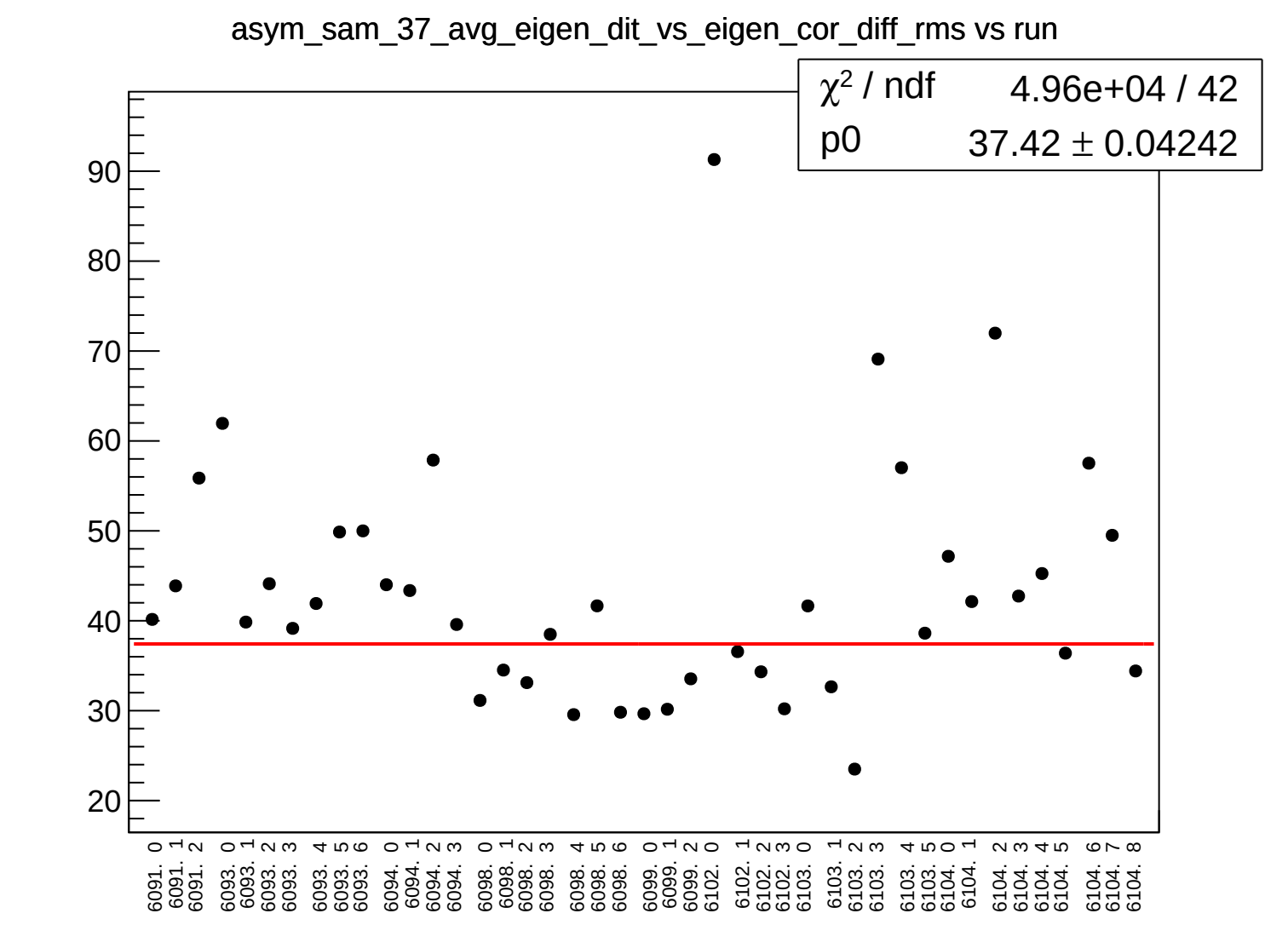

asym_sam_37_avg_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 33.83 / 42
p0 −5.573e−07 ± 4.836e−06
0.1
0.05
0
−0.05
−0.1
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 31.62
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 43
Mean −0.01245
Std Dev 0.8868
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

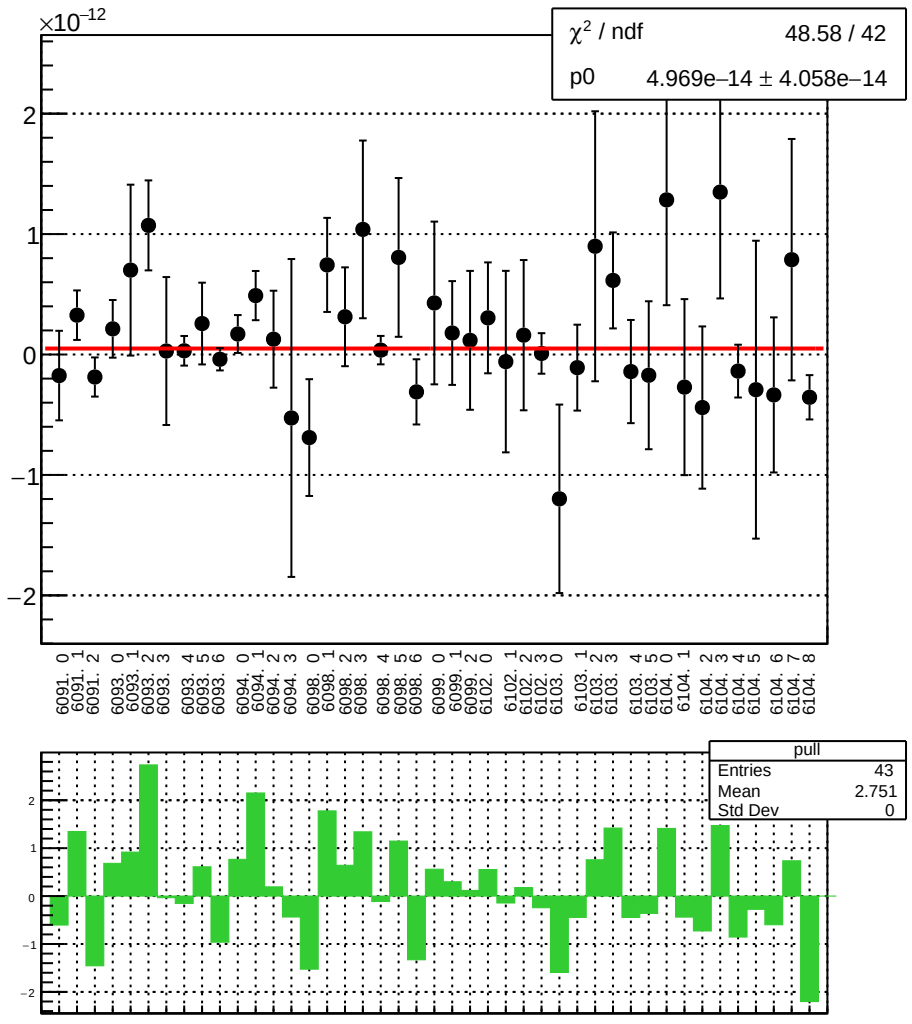

asym_sam_37_avg_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 1.17e+04 / 42
p0 0.003089 ± 3.42e–06
0.004
0.0038
0.0036
0.0034
0.0032
0.003
0.0028
0.0026
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

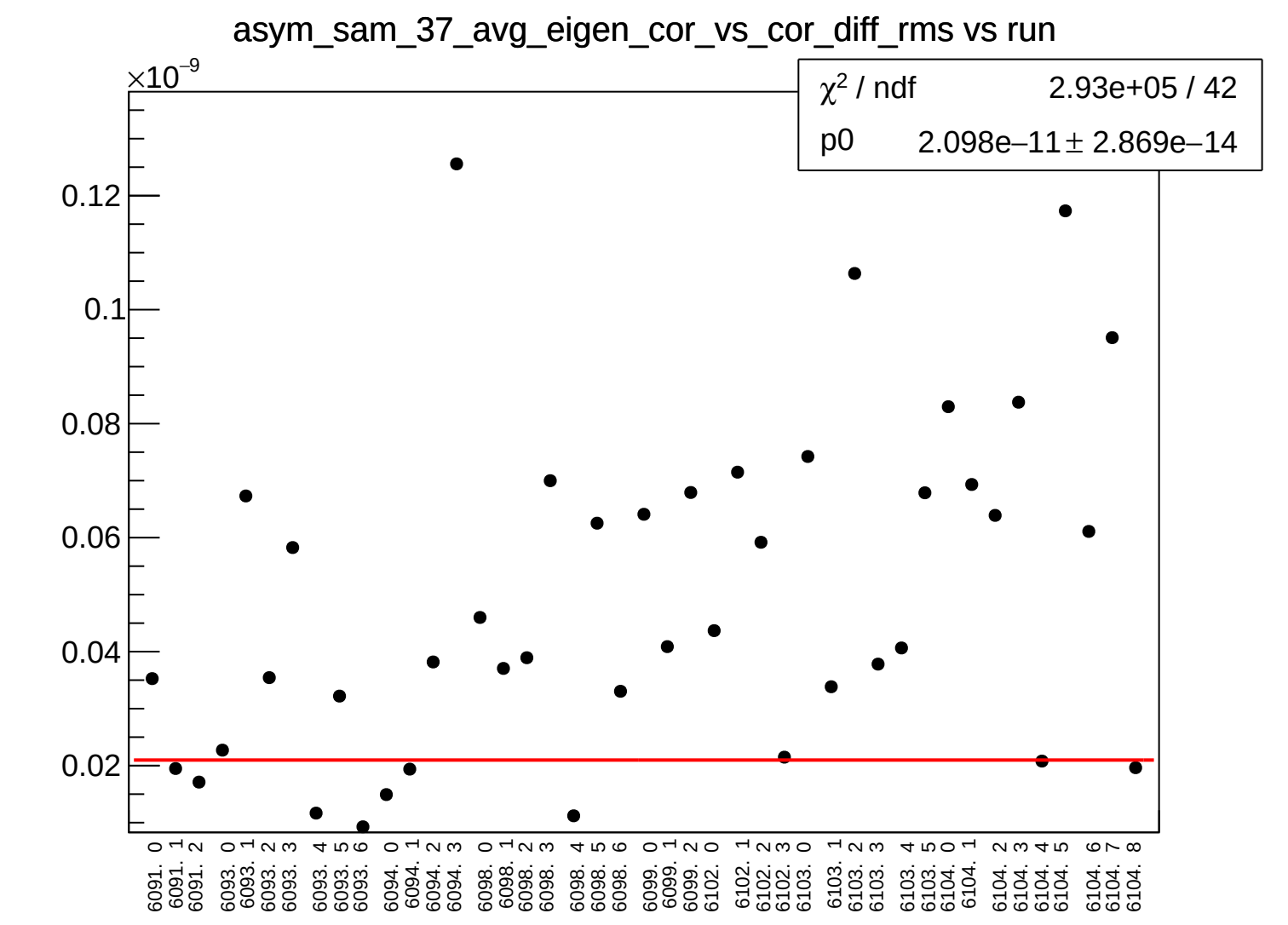

asym_sam_37_avg_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 55.67 / 42
p0 −0.005131 ± 0.06
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 63.51
Std Dev 0
pull1D
Entries 43
Mean 0.01804
Std Dev 1.138

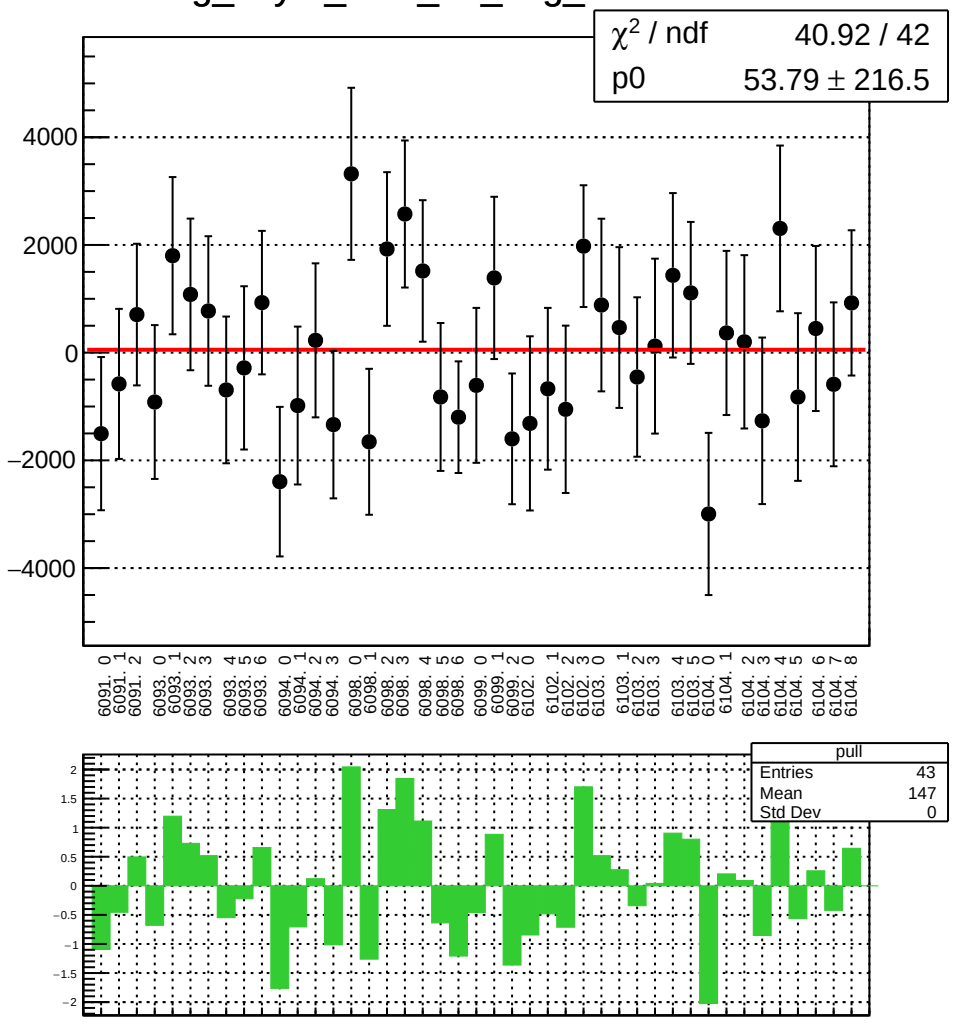

asym_sam_37_avg_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 4.96e+04 / 42
p0 37.42 ± 0.04242
90
80
70
60
50
40
30
20
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

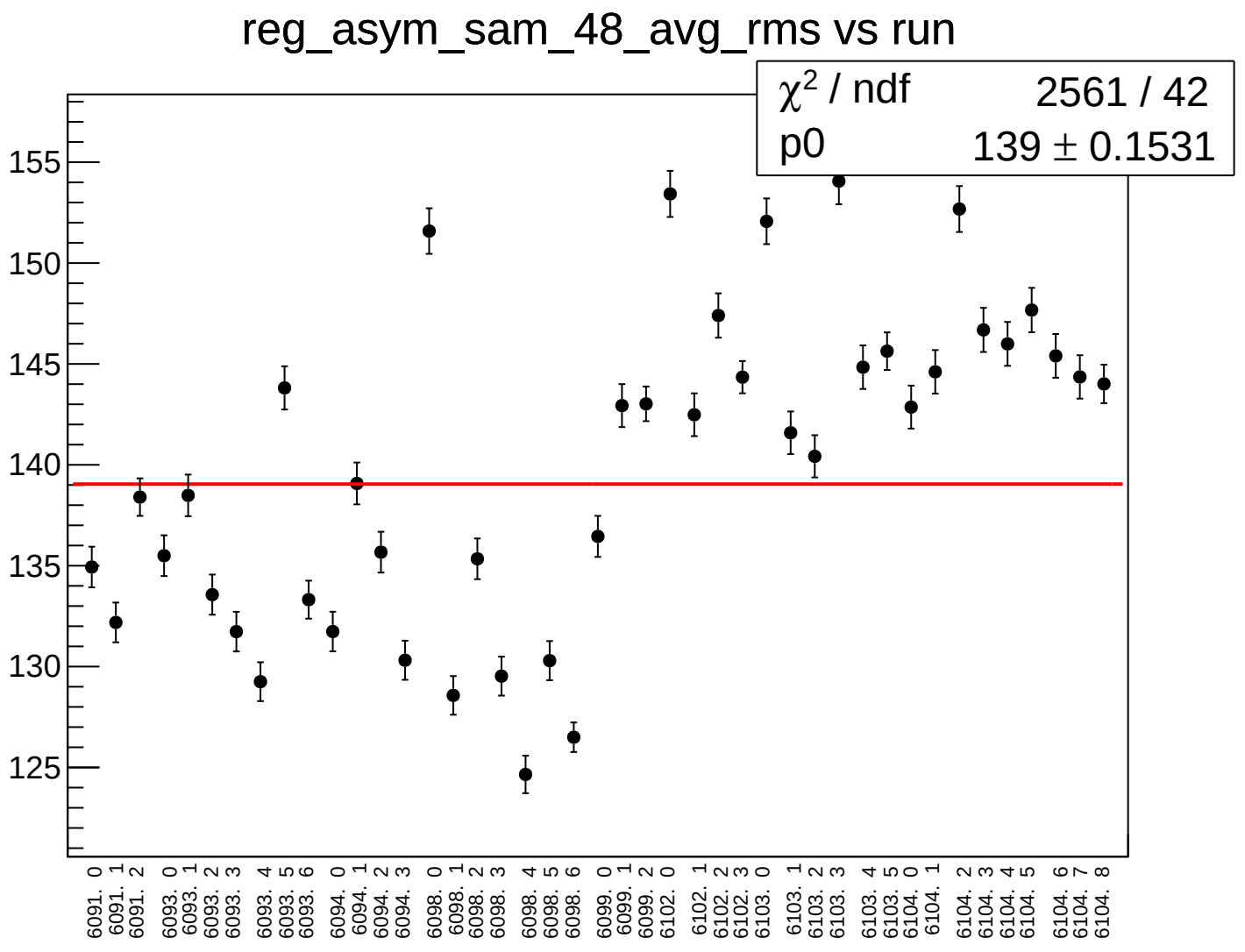

asym_sam_37_avg_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 55.67 / 42
p0 −0.005131± 0.06
pull
Entries 43
Mean 63.51
Std Dev 0
pull1D
Entries 43
Mean 0.01804
Std Dev 1.138

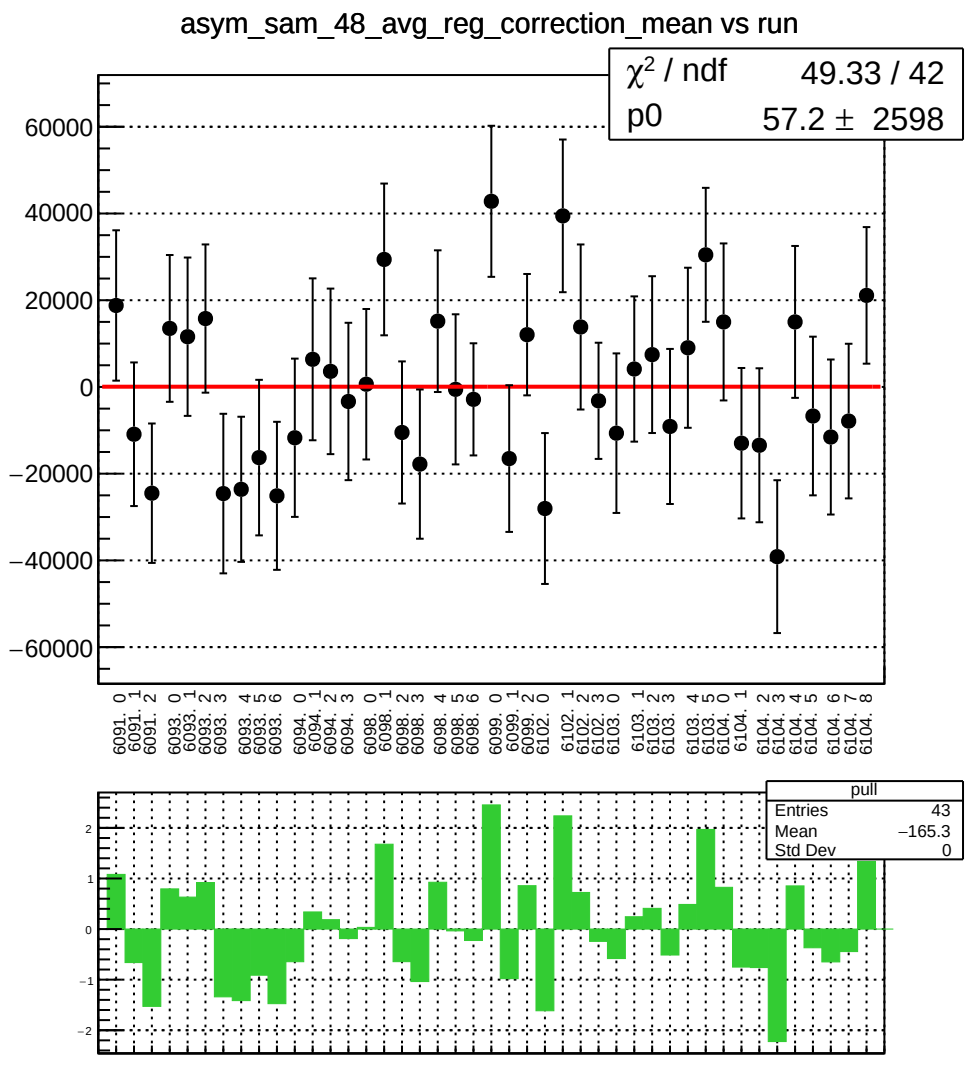

asym_sam_37_avg_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 4.96e+04 / 42
p0 37.42 ± 0.04242
90
80
70
60
50
40
30
20
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

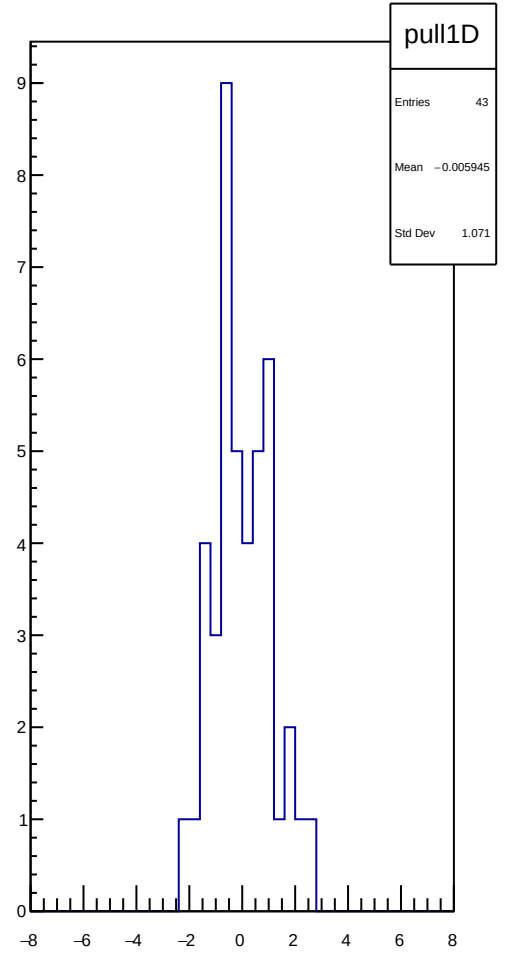

asym_sam_37_avg_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 48.58 / 42
p0 4.969e−14 ± 4.058e−14
2
1
0
−1
−2
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 2.751
Std Dev 0
2
1
0
−1
−2
pull1D
Entries 43
Mean 0.1599
Std Dev 1.051
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

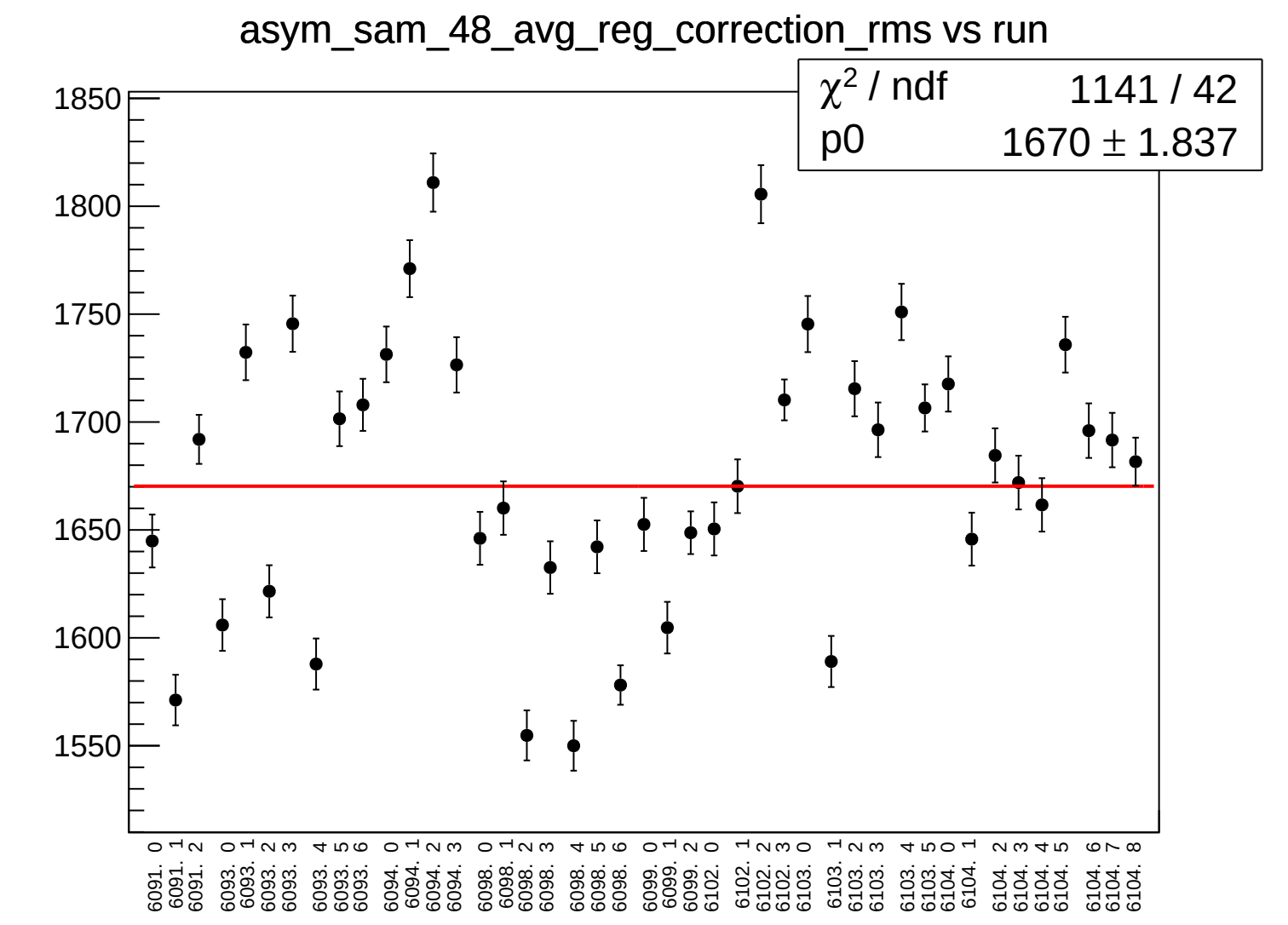

asym_sam_37_avg_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 2.93e+05 / 42
p0 2.098e−11 ± 2.869e−14
0.12
0.1
0.08
0.06
0.04
0.02
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

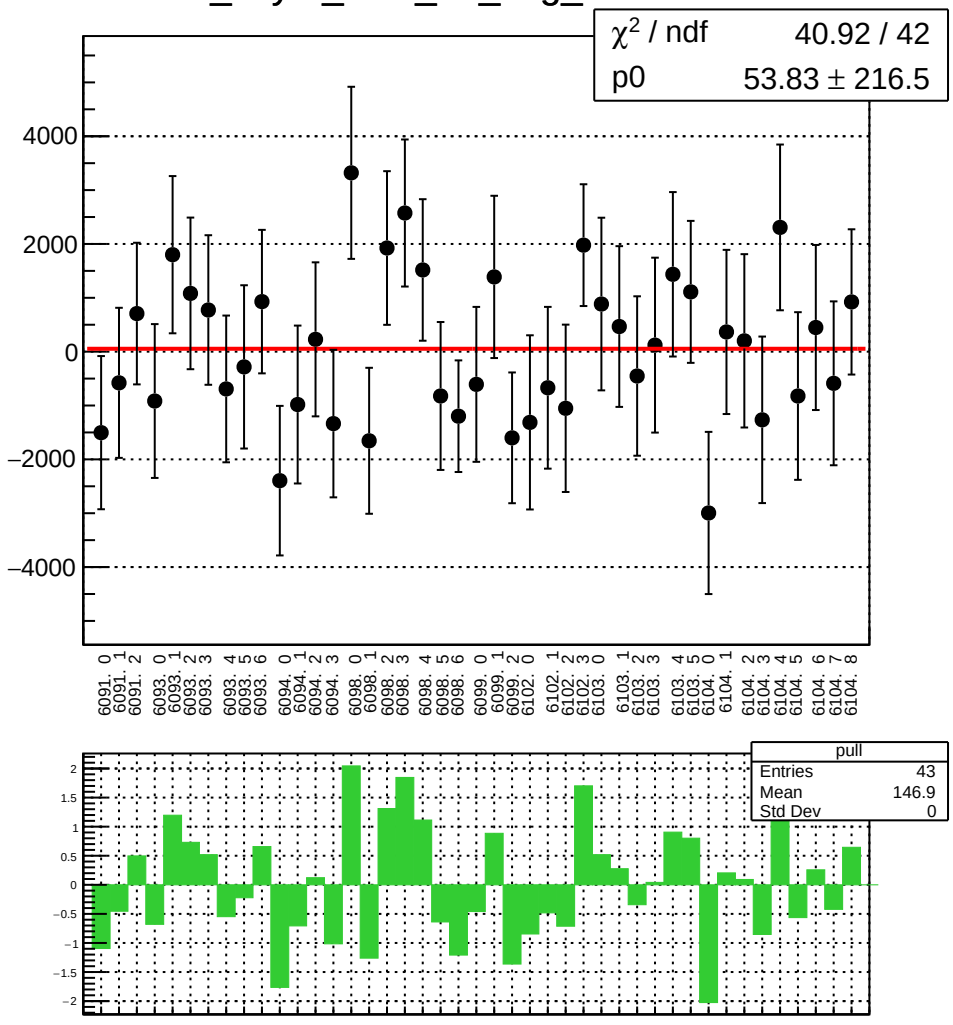

reg_asym_sam_48_avg_mean vs run
χ^2 / ndf 40.92 / 42
p0 53.79 ± 216.5
4000
2000
0
−2000
−4000
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 147
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 43
Mean 0.004038
Std Dev 0.9755
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

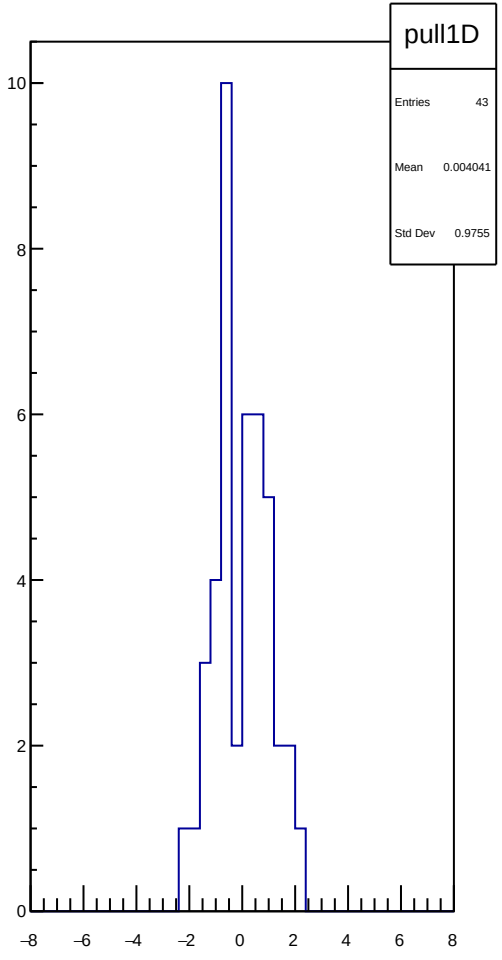

reg_asym_sam_48_avg_rms vs run
χ² / ndf 2561 / 42
p0 139 ± 0.1531
155
150
145
140
135
130
125
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

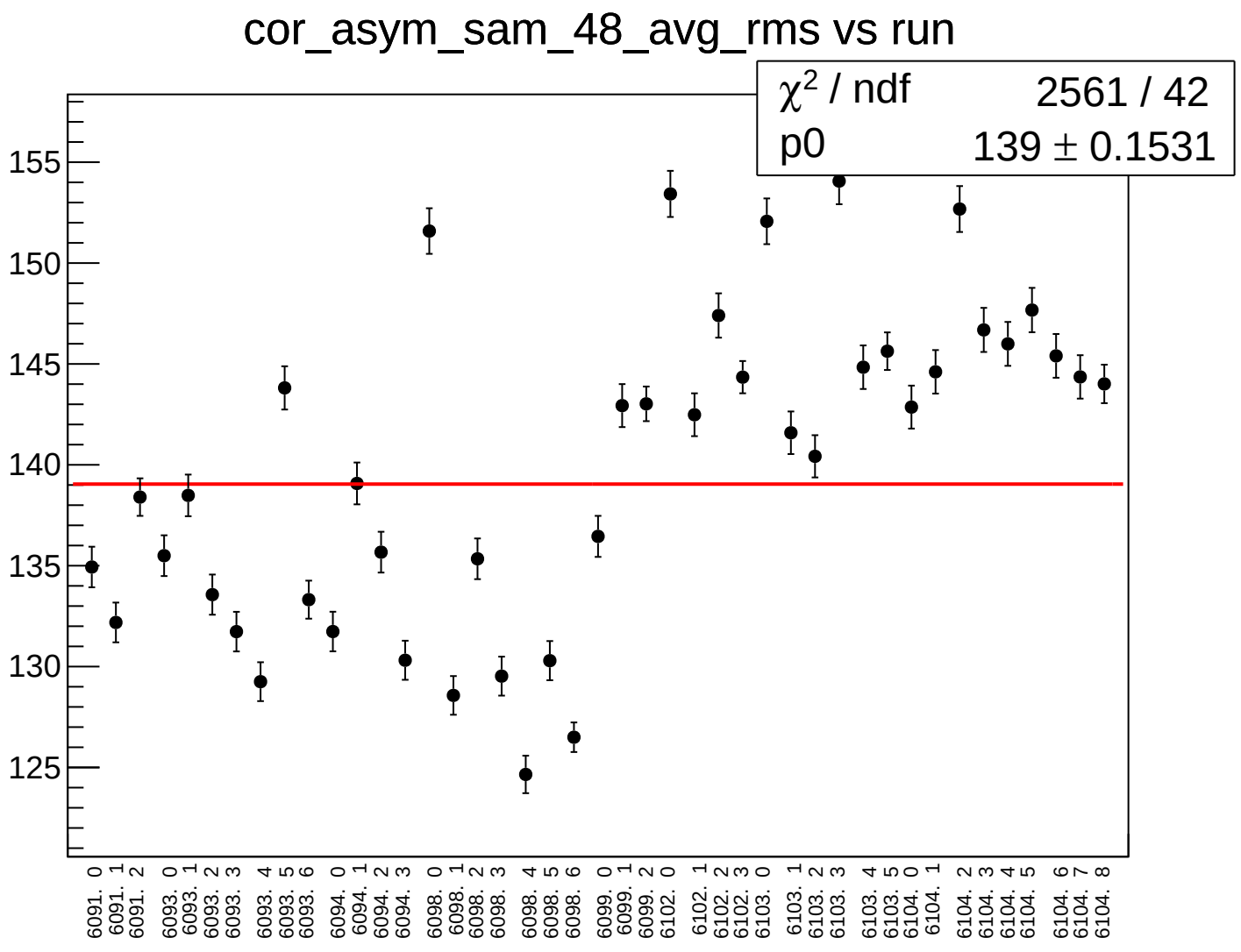

asym_sam_48_avg_reg_correction_mean vs run
χ² / ndf 49.33 / 42
p0 57.2 ± 2598
60000
40000
20000
0
−20000
−40000
−60000
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean −165.3
Std Dev 0
2
1
0
−1
−2

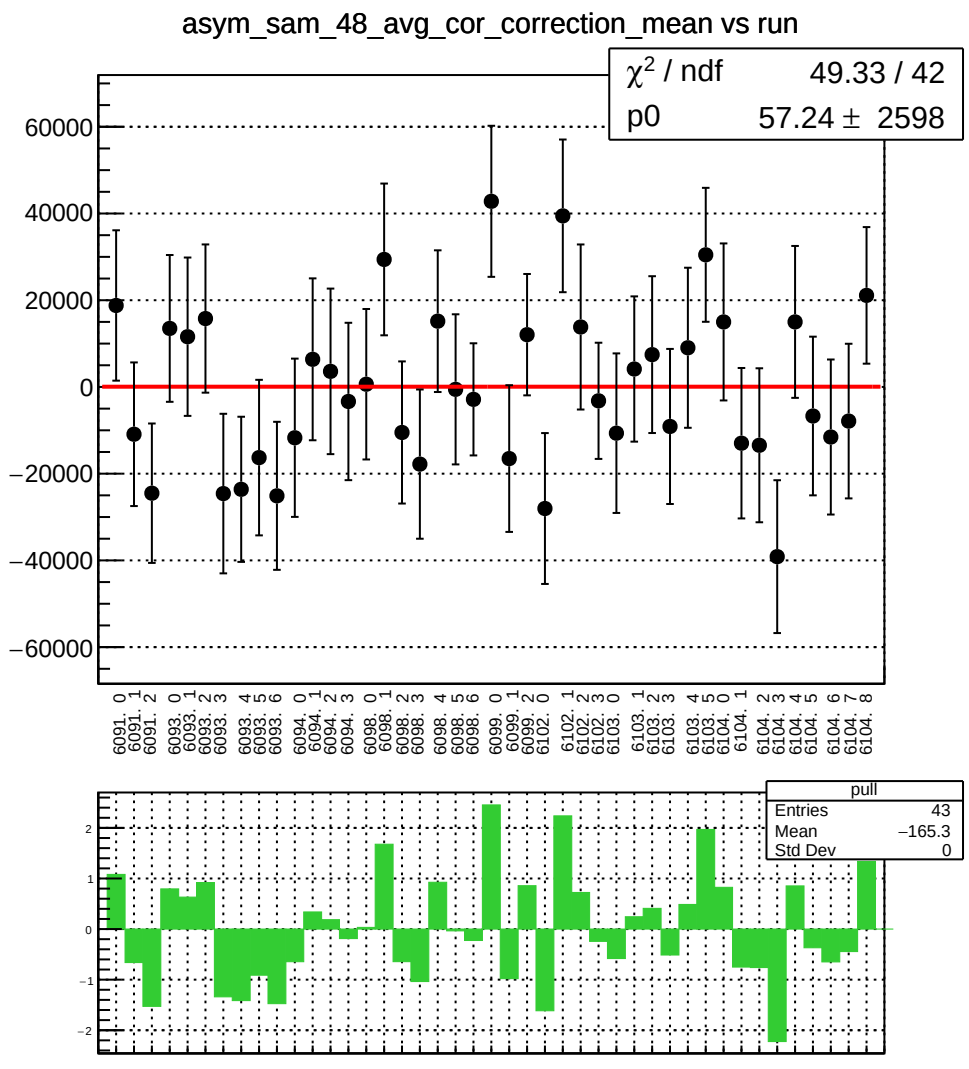

pull1D
Entries 43
Mean −0.005945
Std Dev 1.071
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

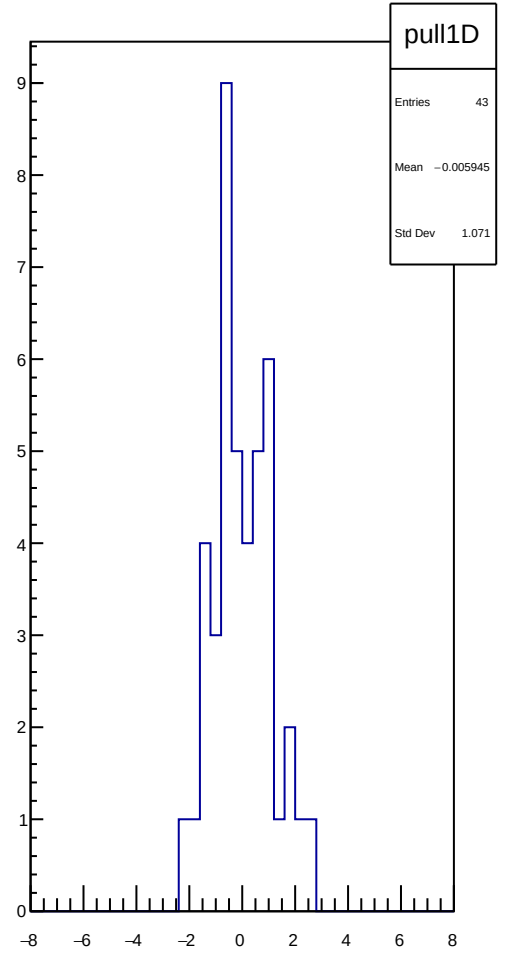

asym_sam_48_avg_reg_correction_rms vs run
χ² / ndf 1141 / 42
p0 1670 ± 1.837
1850
1800
1750
1700
1650
1600
1550
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

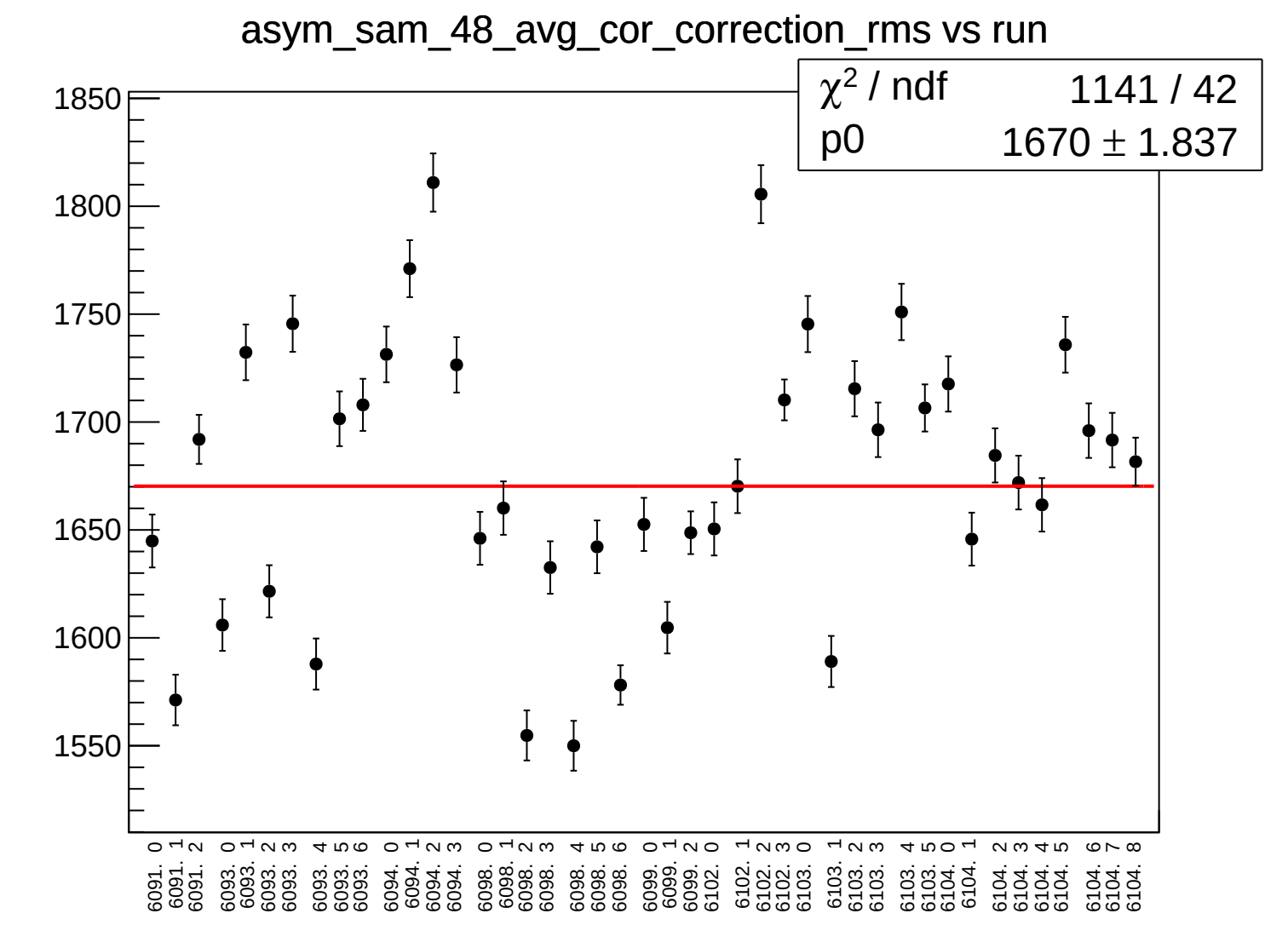

cor_asym_sam_48_avg_mean vs run
χ² / ndf 40.92 / 42
p0 53.83 ± 216.5
4000
2000
0
−2000
−4000
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 146.9
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

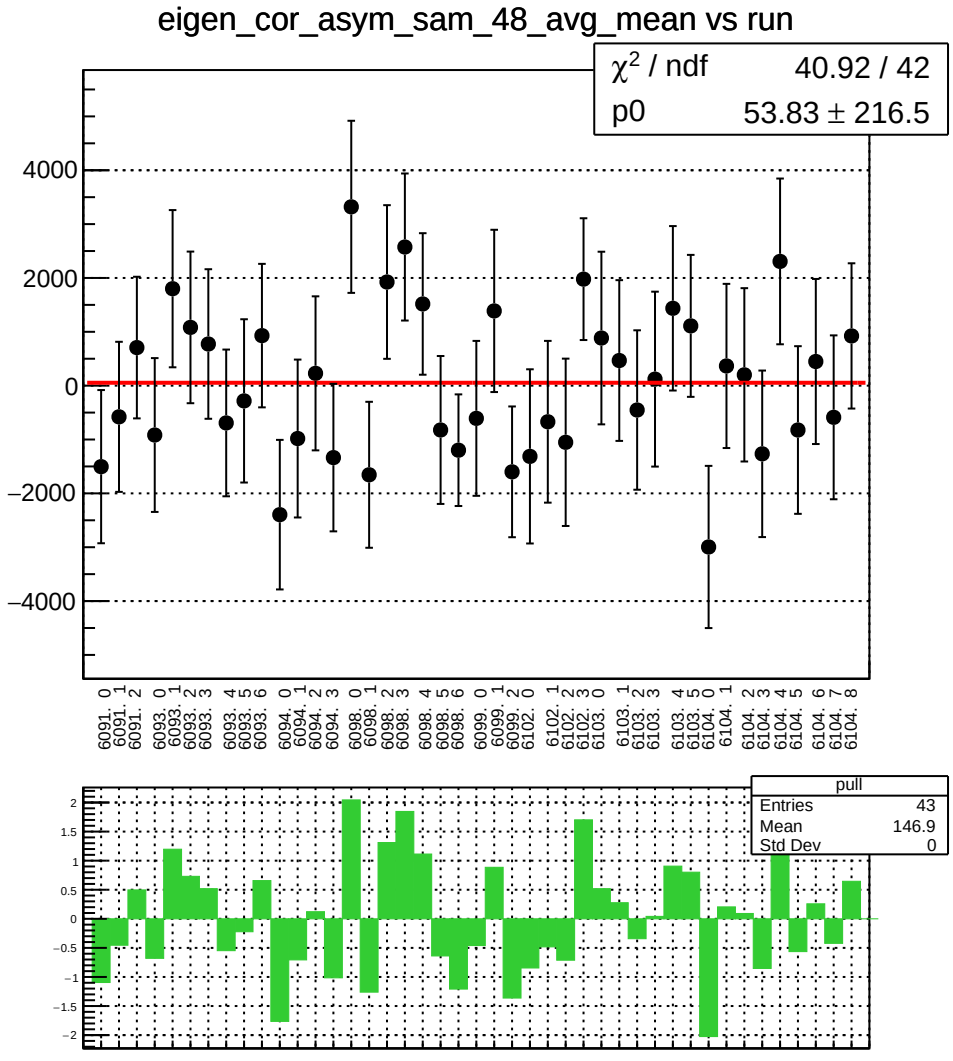

pull1D
Entries 43
Mean 0.004041
Std Dev 0.9755
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

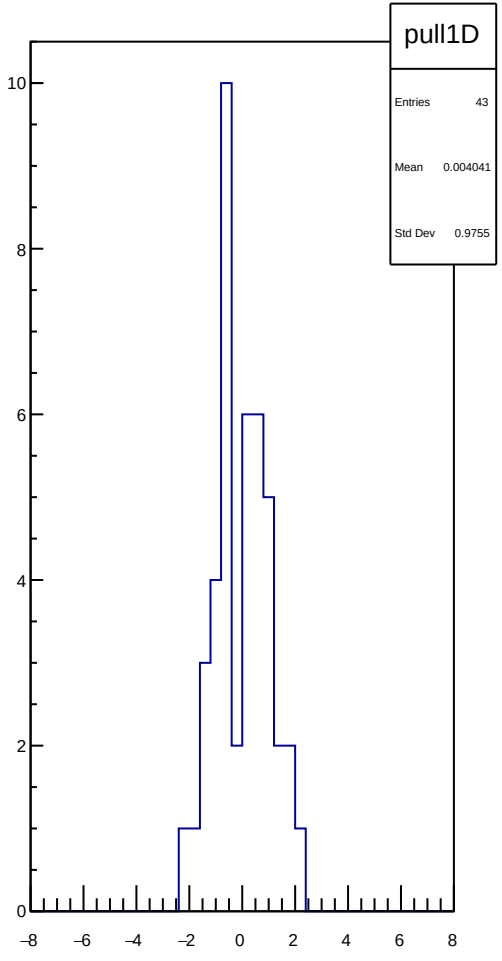

cor_asym_sam_48_avg_rms vs run
χ² / ndf 2561 / 42
p0 139 ± 0.1531
155
150
145
140
135
130
125
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

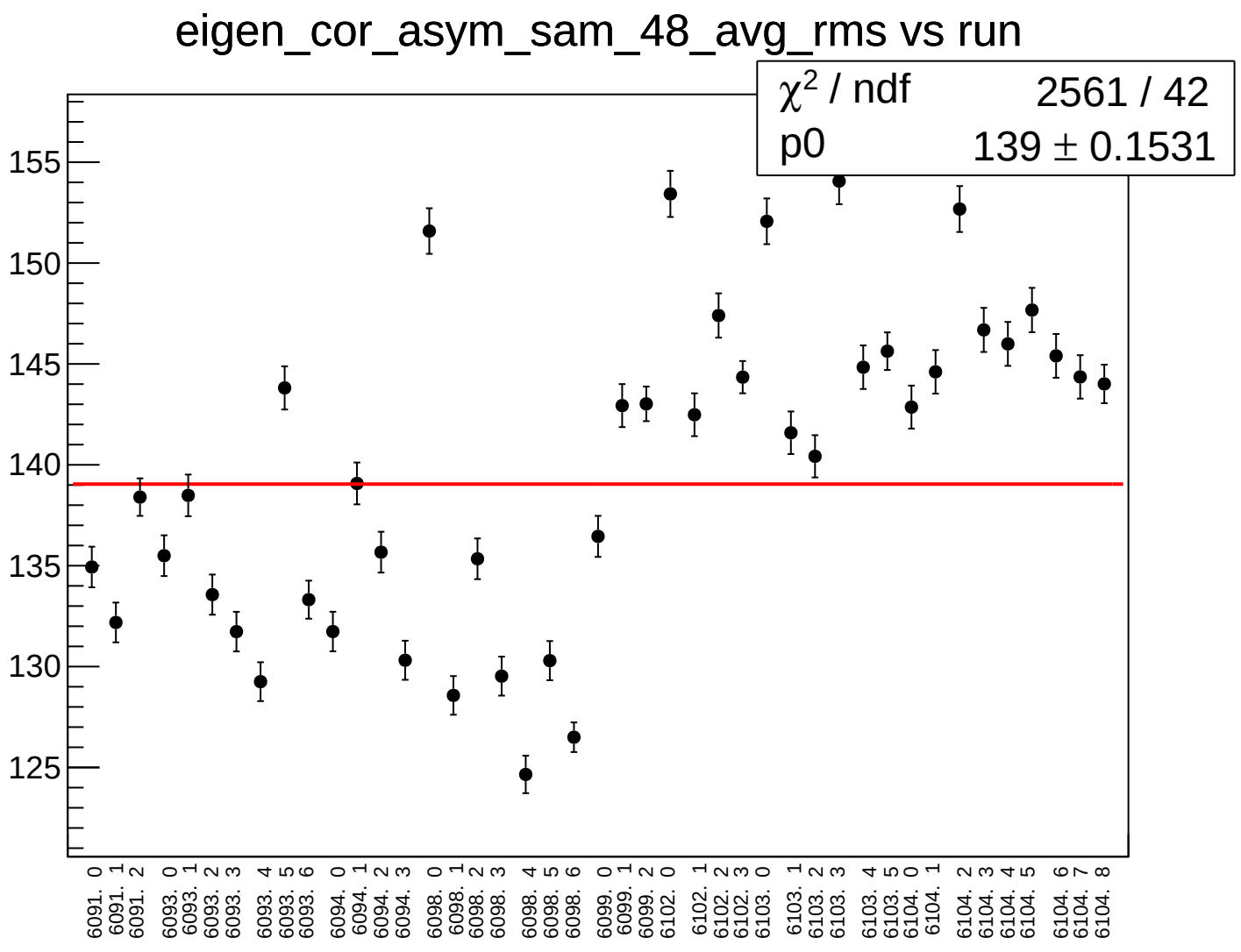

asym_sam_48_avg_cor_correction_mean vs run
χ² / ndf 49.33 / 42
p0 57.24 ± 2598
60000
40000
20000
0
−20000
−40000
−60000
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean −165.3
Std Dev 0
2
1
0
−1
−2


pull1D
Entries 43
Mean −0.005945
Std Dev 1.071
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


asym_sam_48_avg_cor_correction_rms vs run
χ² / ndf 1141 / 42
p0 1670 ± 1.837
1850
1800
1750
1700
1650
1600
1550
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8


eigen_cor_asym_sam_48_avg_mean vs run
χ^2 / ndf 40.92 / 42
p0 53.83 ± 216.5
4000
2000
0
−2000
−4000
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 146.9
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2


pull1D
Entries 43
Mean 0.004041
Std Dev 0.9755
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 2561 / 42
p0 139 ± 0.1531
155
150
145
140
135
130
125
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
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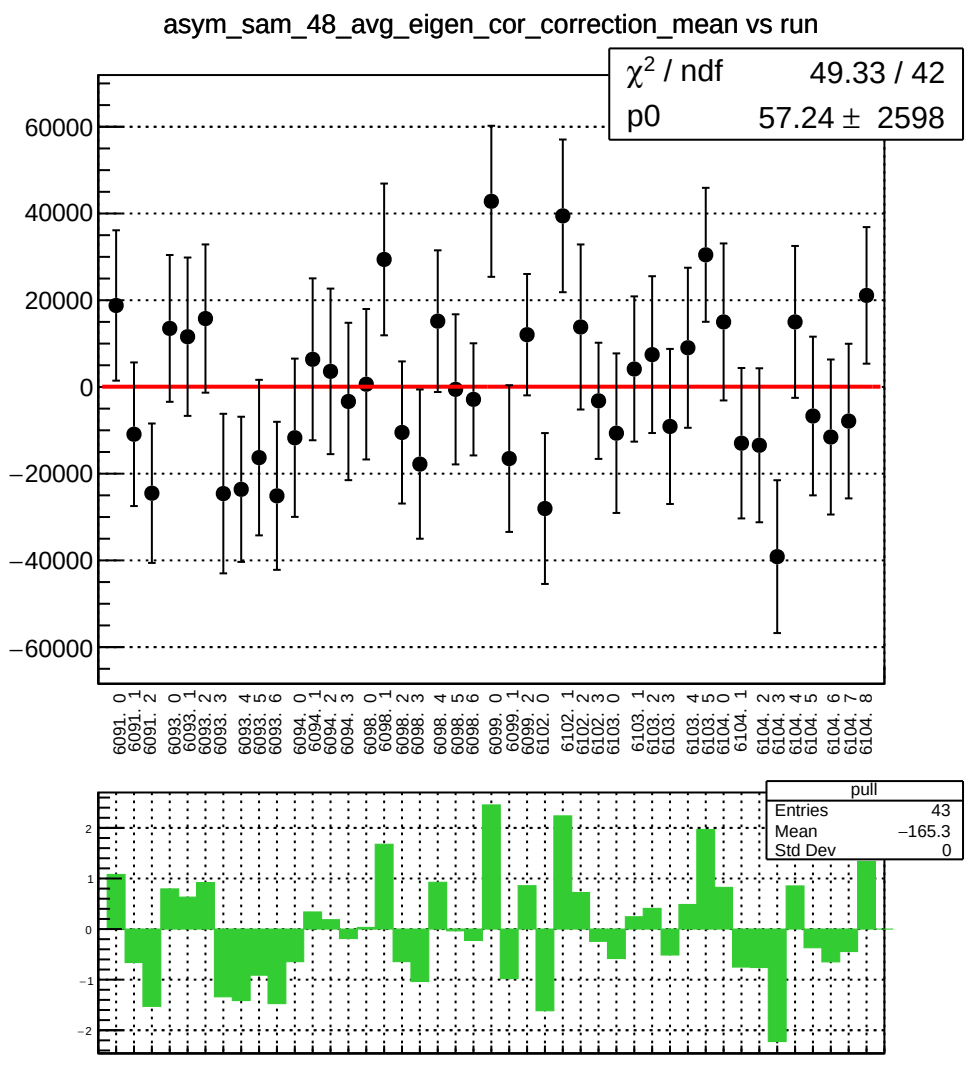
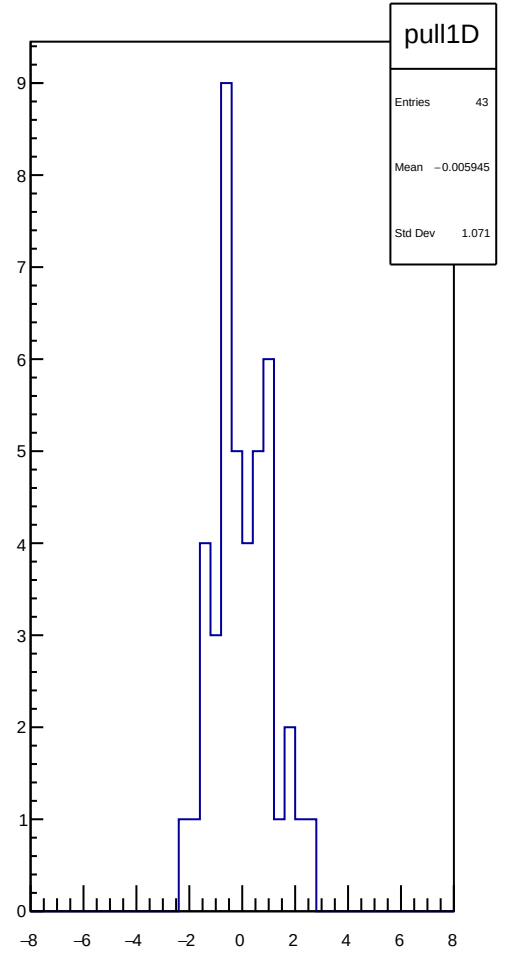
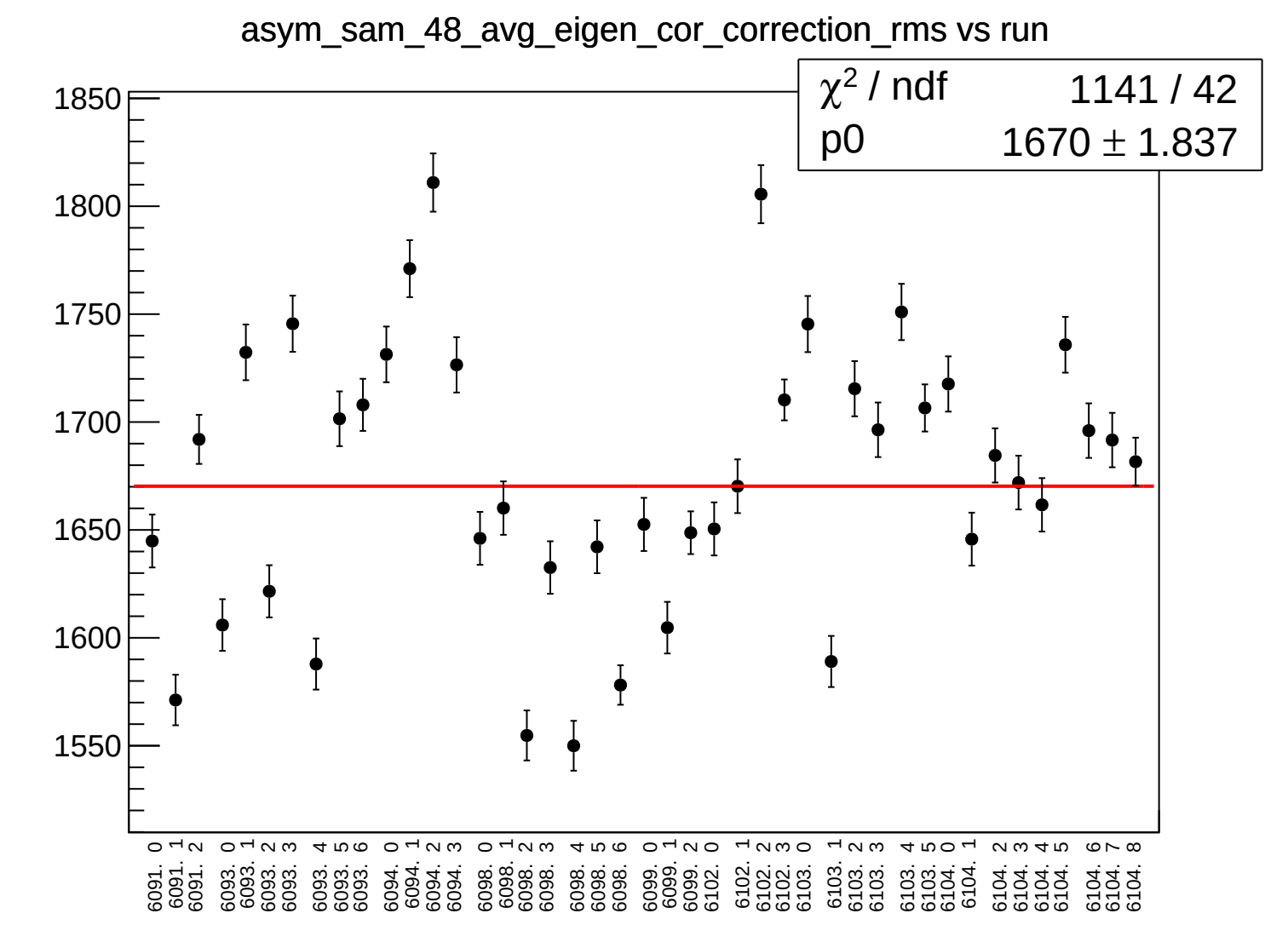
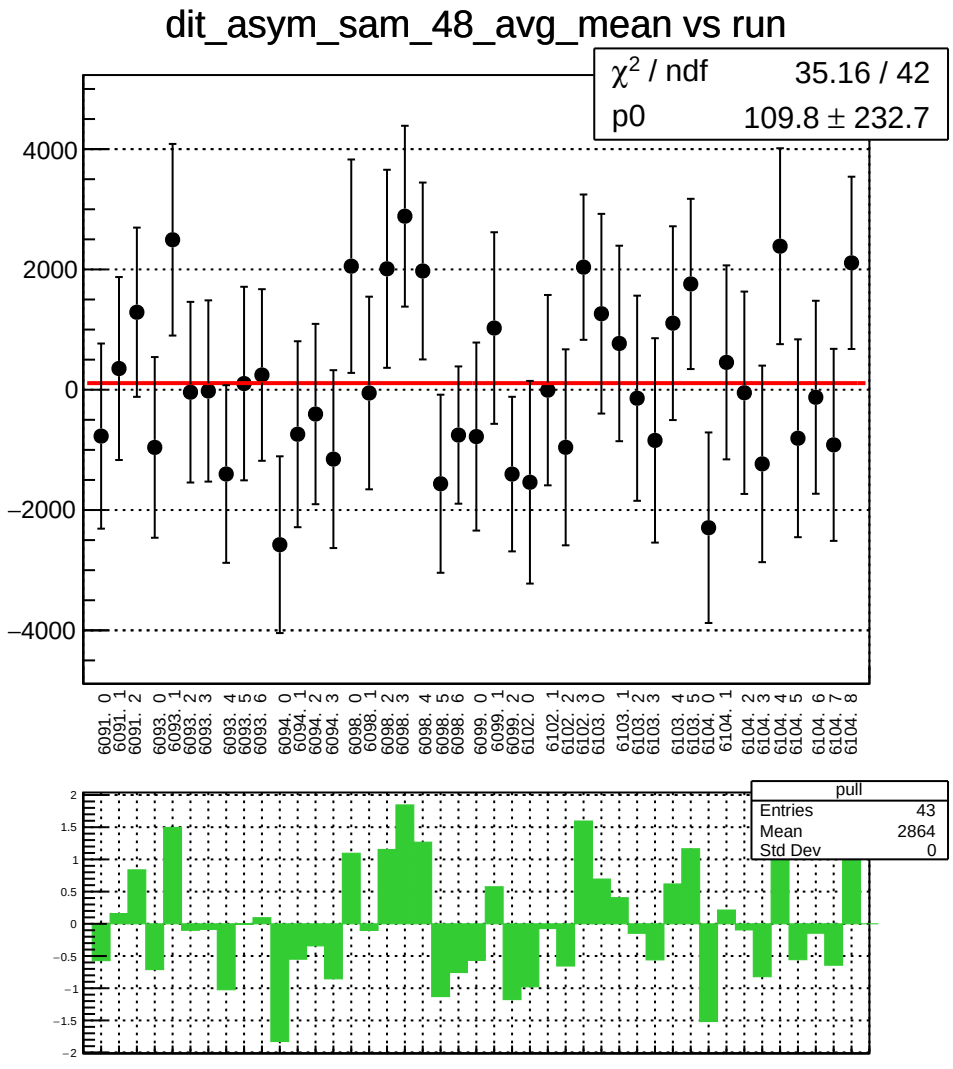
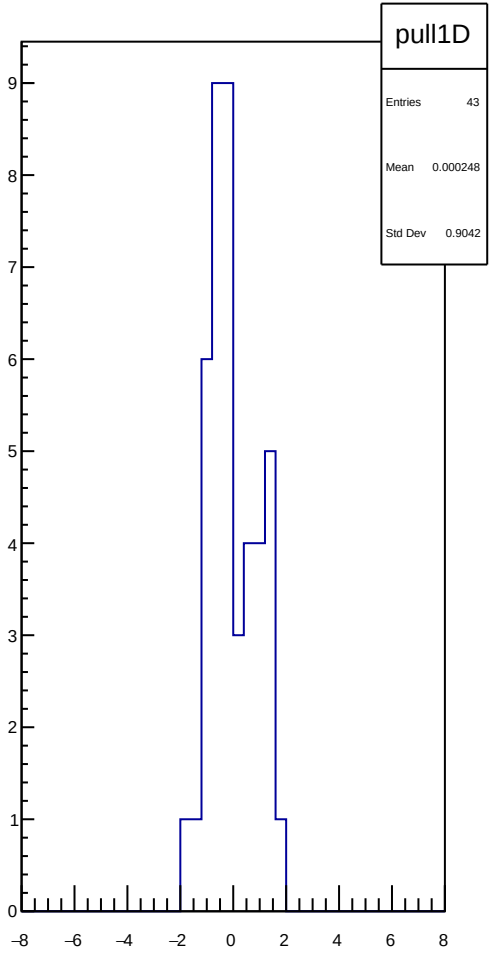
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

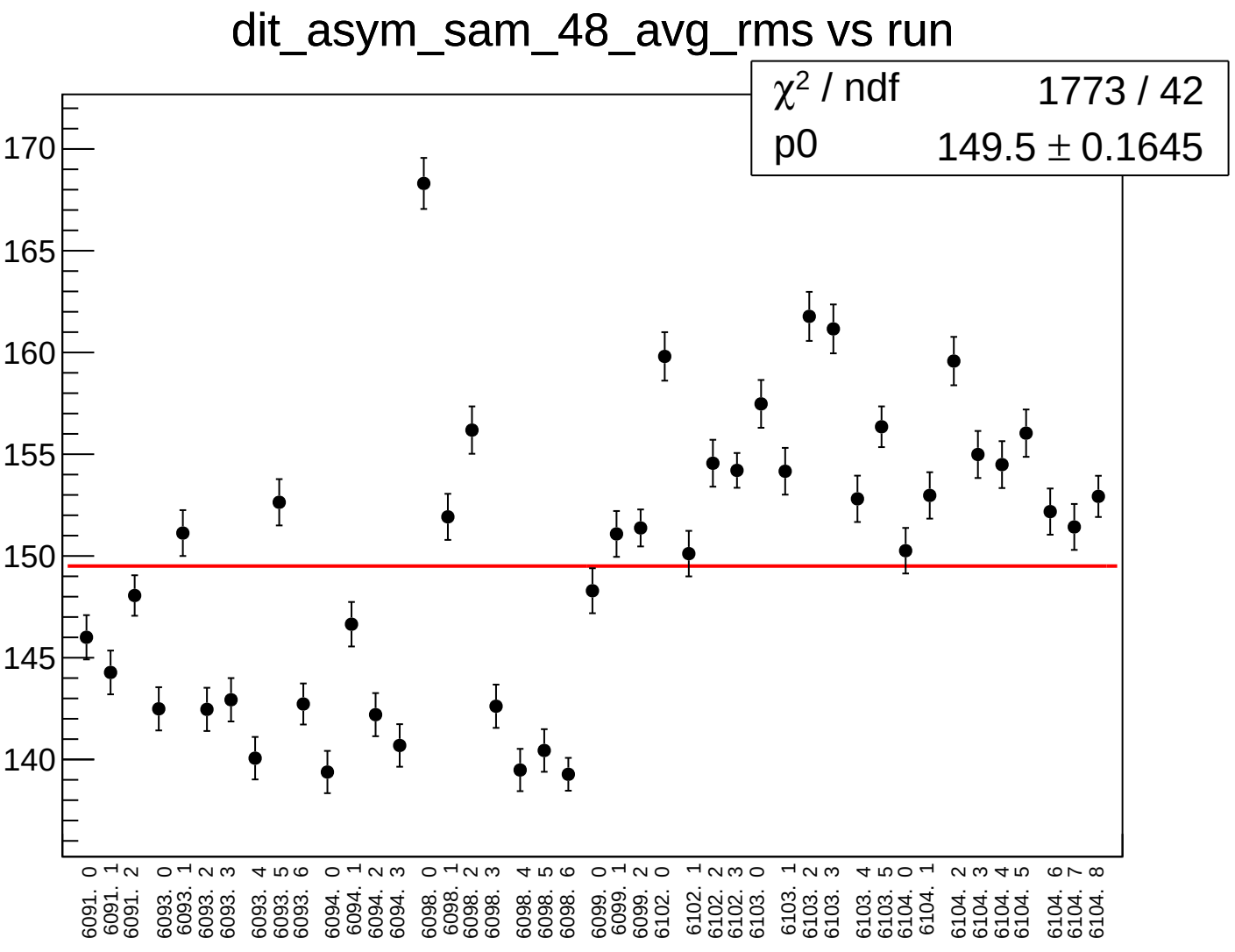

asym_sam_48_avg_eigen_cor_correction_mean vs run
χ² / ndf 49.33 / 42
p0 57.24 ± 2598
60000
40000
20000
0
−20000
−40000
−60000
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean −165.3
Std Dev 0
2
1
0
−1
−2

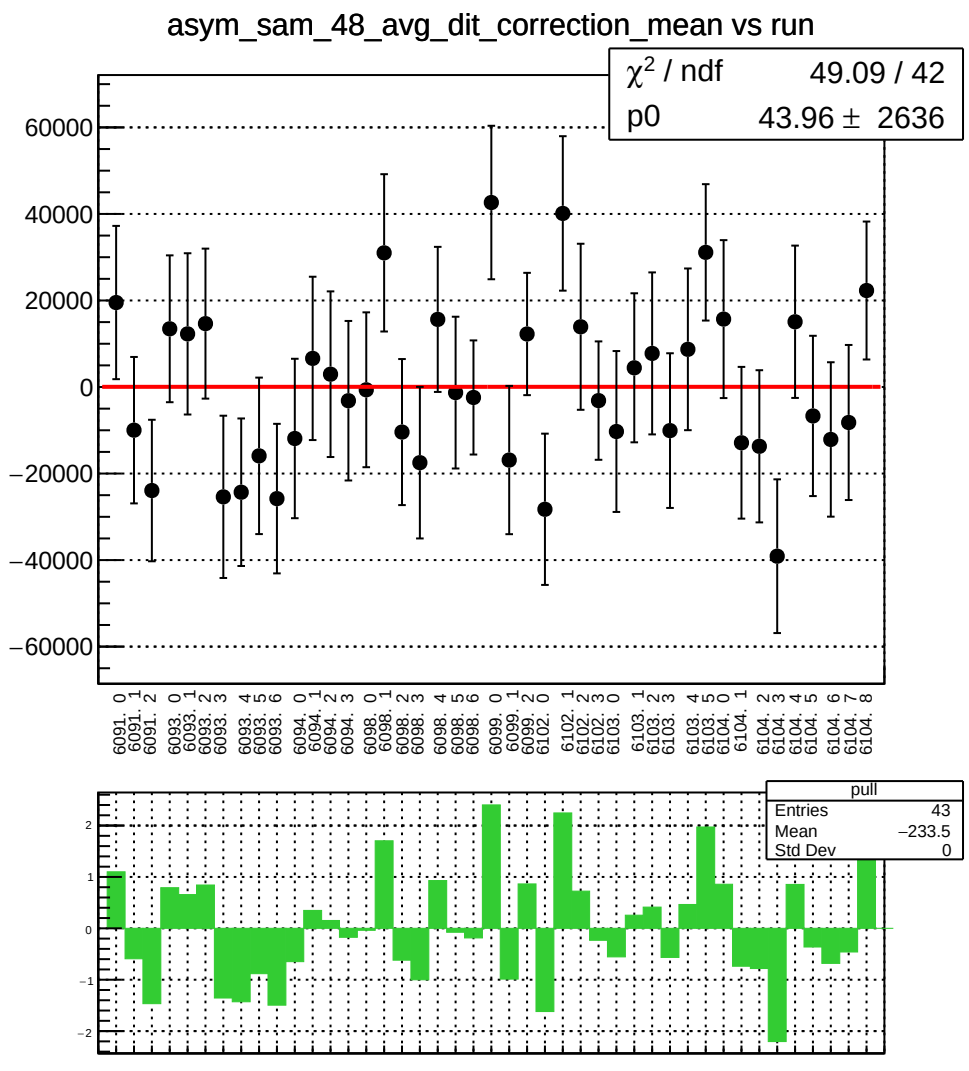

pull1D
Entries 43
Mean −0.005945
Std Dev 1.071
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

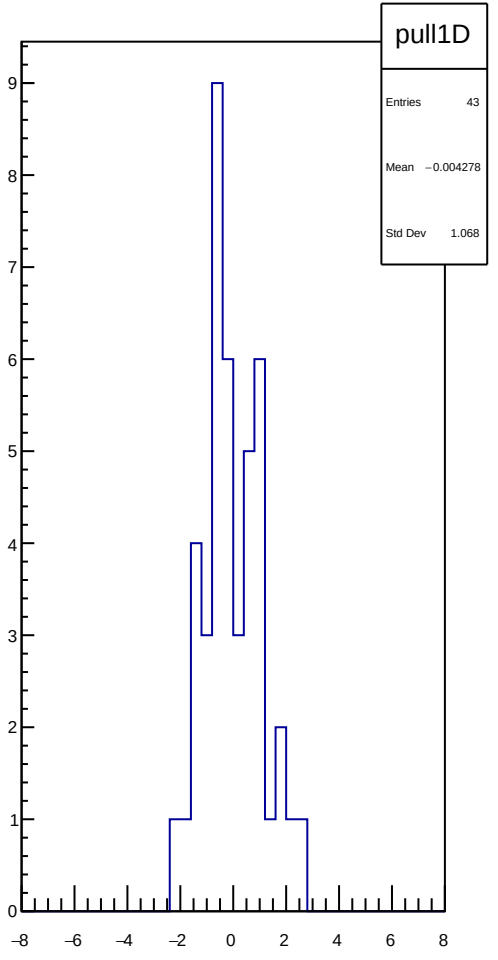

asym_sam_48_avg_eigen_cor_correction_rms vs run
χ² / ndf 1141 / 42
p0 1670 ± 1.837
1850
1800
1750
1700
1650
1600
1550
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

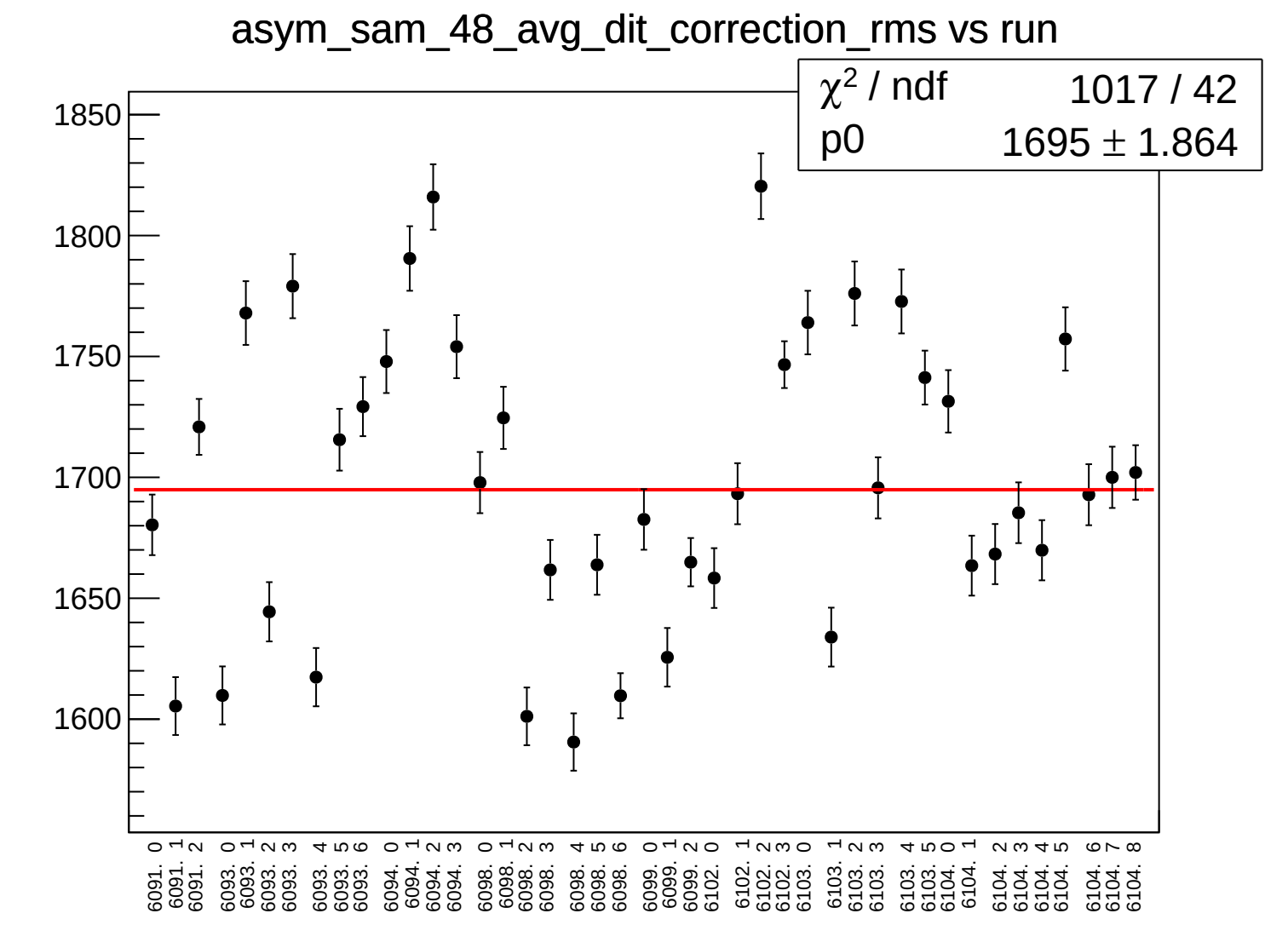

dit_asym_sam_48_avg_mean vs run
χ^2 / ndf 35.16 / 42
p0 109.8 ± 232.7
4000
2000
0
−2000
−4000
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 2864
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

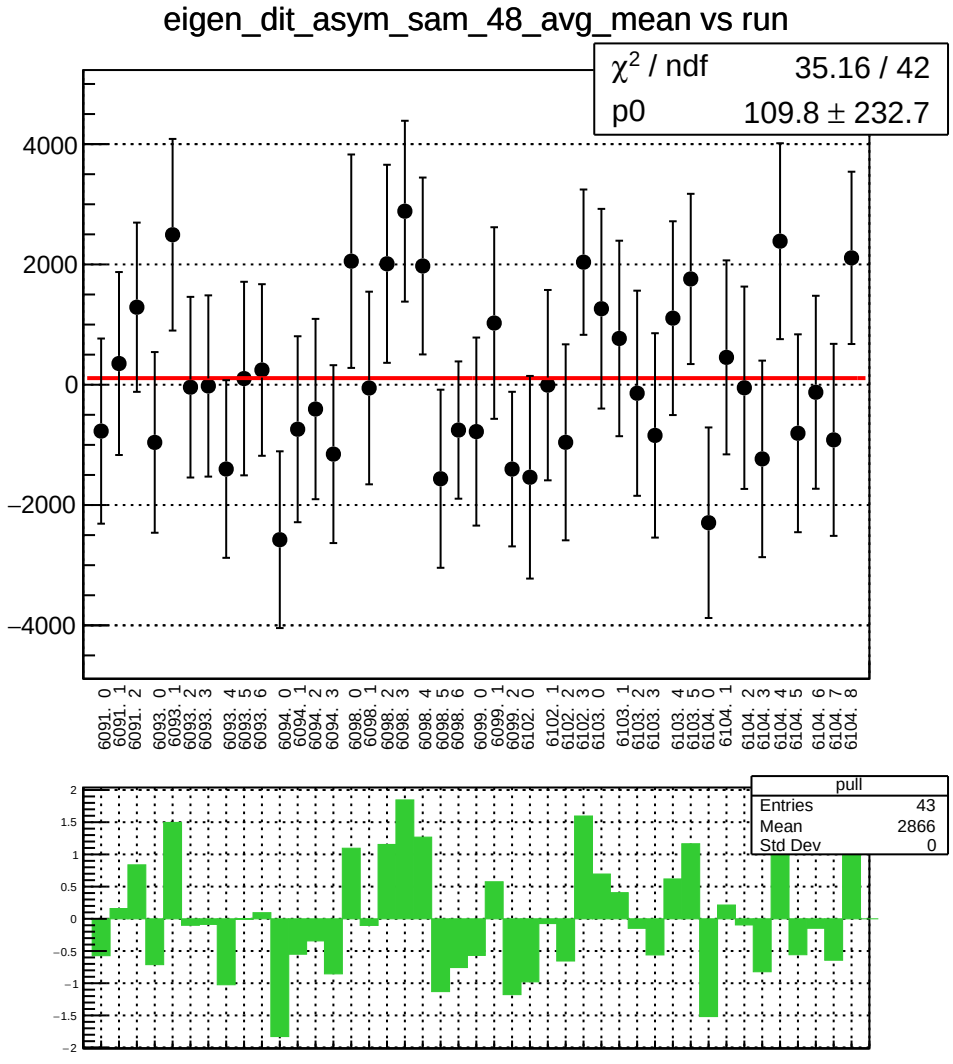

pull1D
Entries 43
Mean 0.000248
Std Dev 0.9042
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

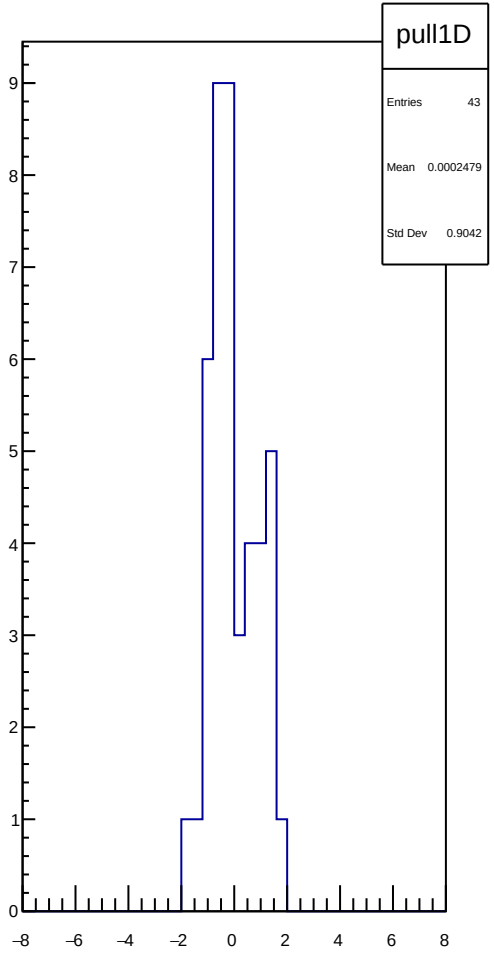

dit_asym_sam_48_avg_rms vs run
χ² / ndf 1773 / 42
p0 149.5 ± 0.1645
170
165
160
155
150
145
140
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

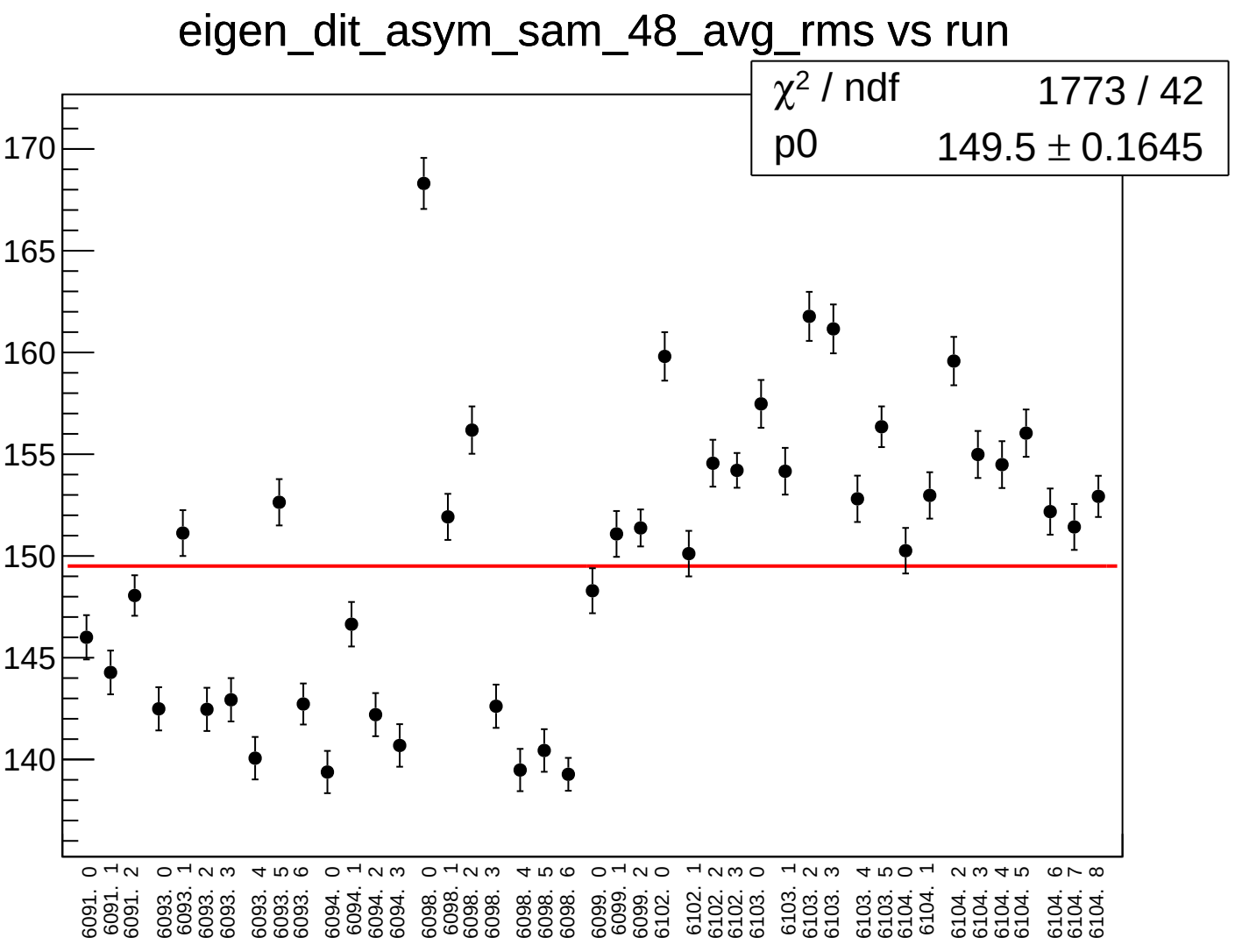

asym_sam_48_avg_dit_correction_mean vs run
χ² / ndf 49.09 / 42
p0 43.96 ± 2636
60000
40000
20000
0
−20000
−40000
−60000
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean −233.5
Std Dev 0
2
1
0
−1
−2

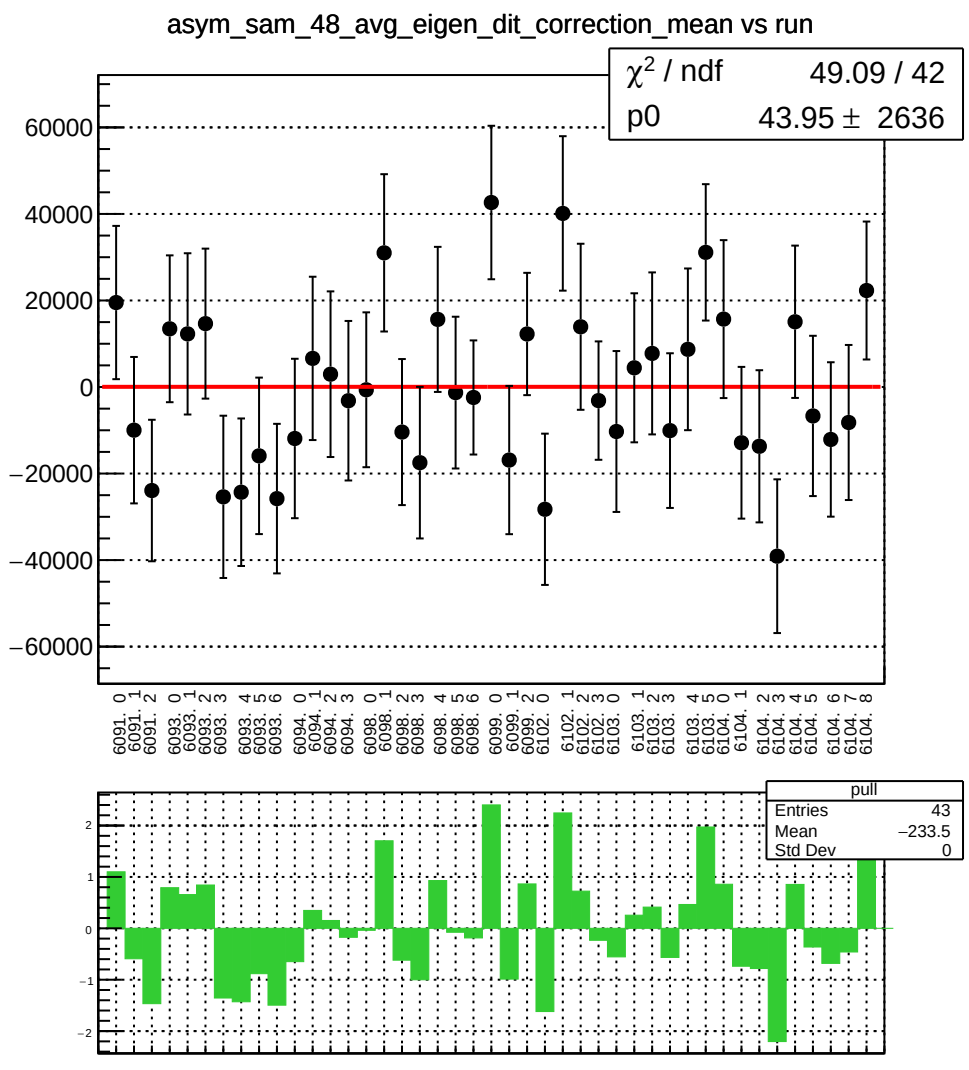

pull1D
Entries 43
Mean −0.004278
Std Dev 1.068
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

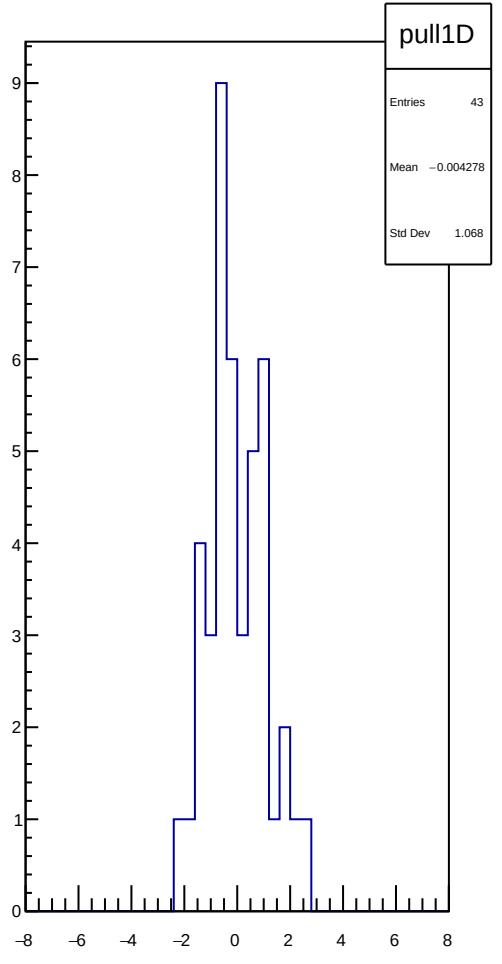

asym_sam_48_avg_dit_correction_rms vs run
χ² / ndf 1017 / 42
p0 1695 ± 1.864
1850
1800
1750
1700
1650
1600
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

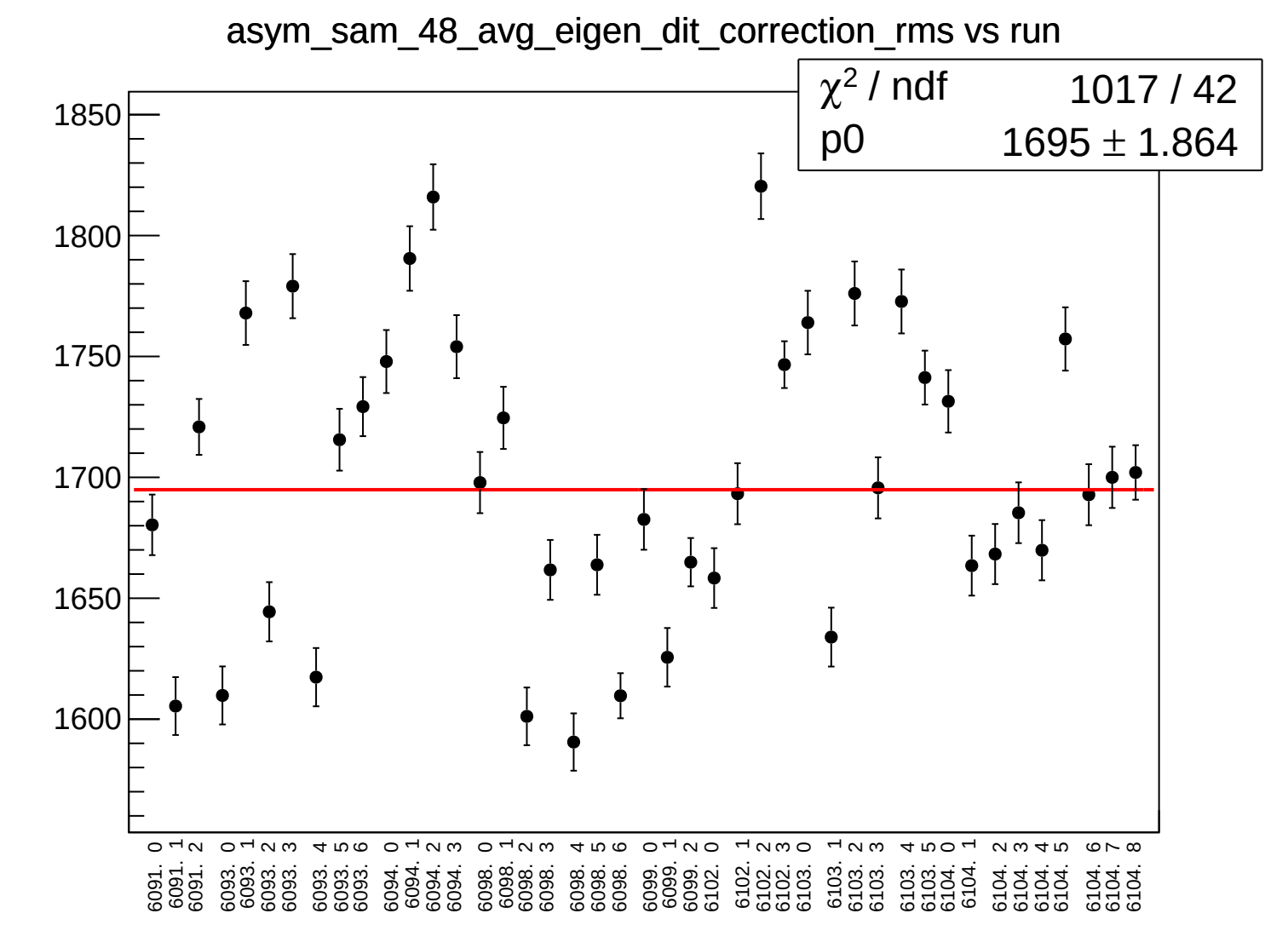

eigen_dit_asym_sam_48_avg_mean vs run
χ² / ndf 35.16 / 42
p0 109.8 ± 232.7
4000
2000
0
−2000
−4000
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 2866
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

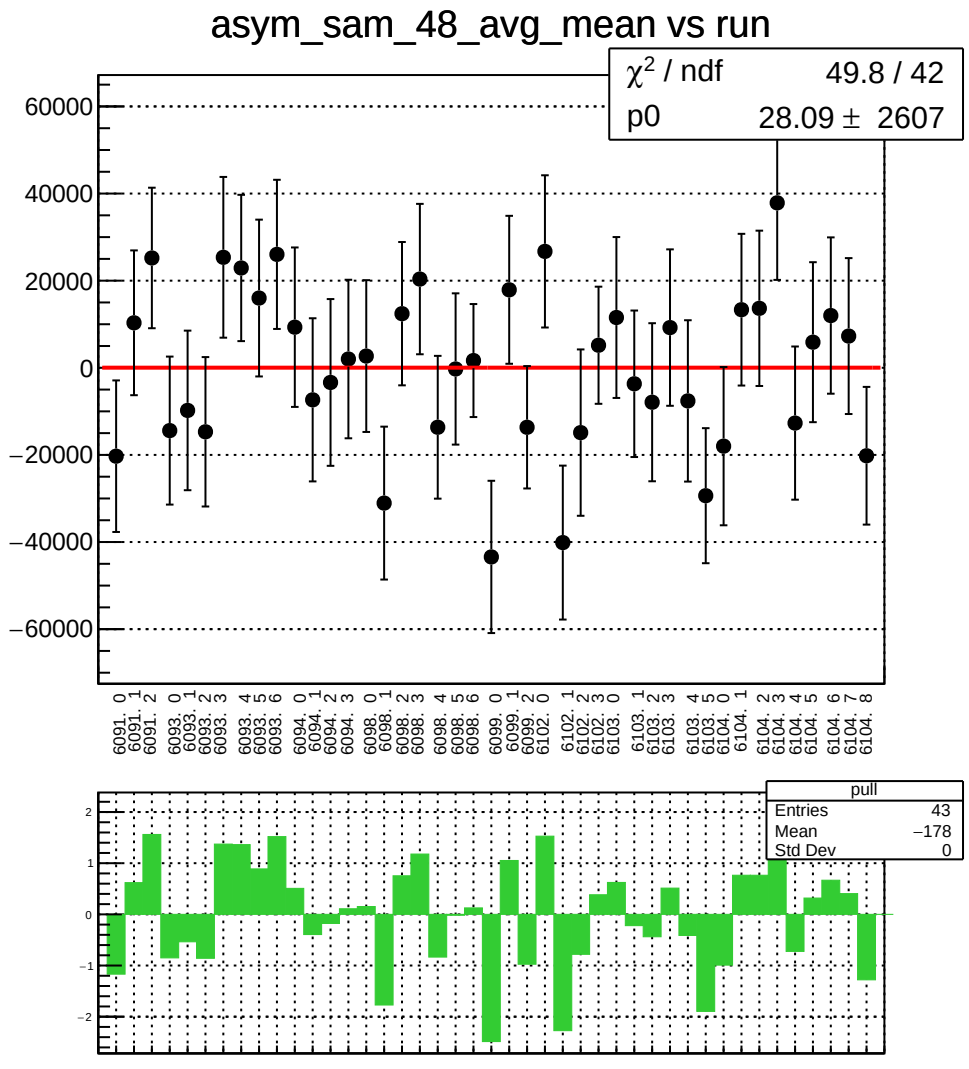

pull1D
Entries 43
Mean 0.0002479
Std Dev 0.9042
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

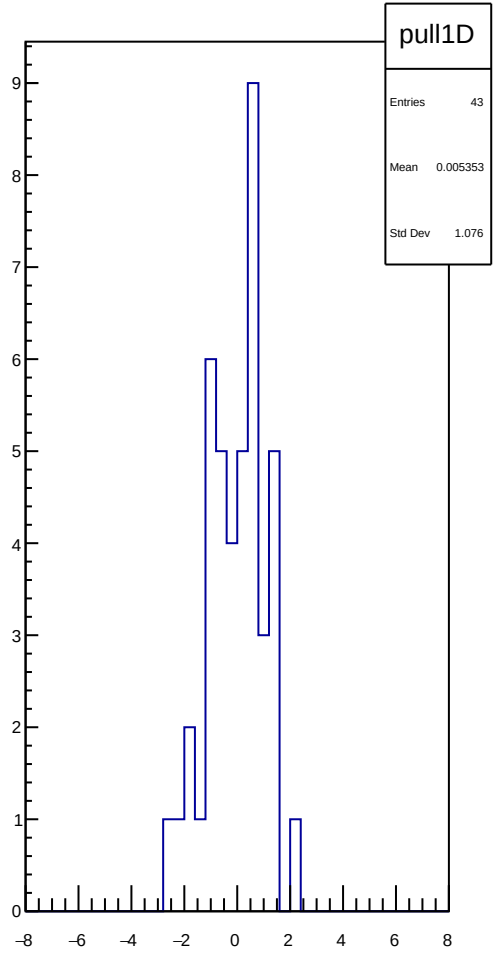

eigen_dit_asym_sam_48_avg_rms vs run
χ² / ndf 1773 / 42
p0 149.5 ± 0.1645
170
165
160
155
150
145
140
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

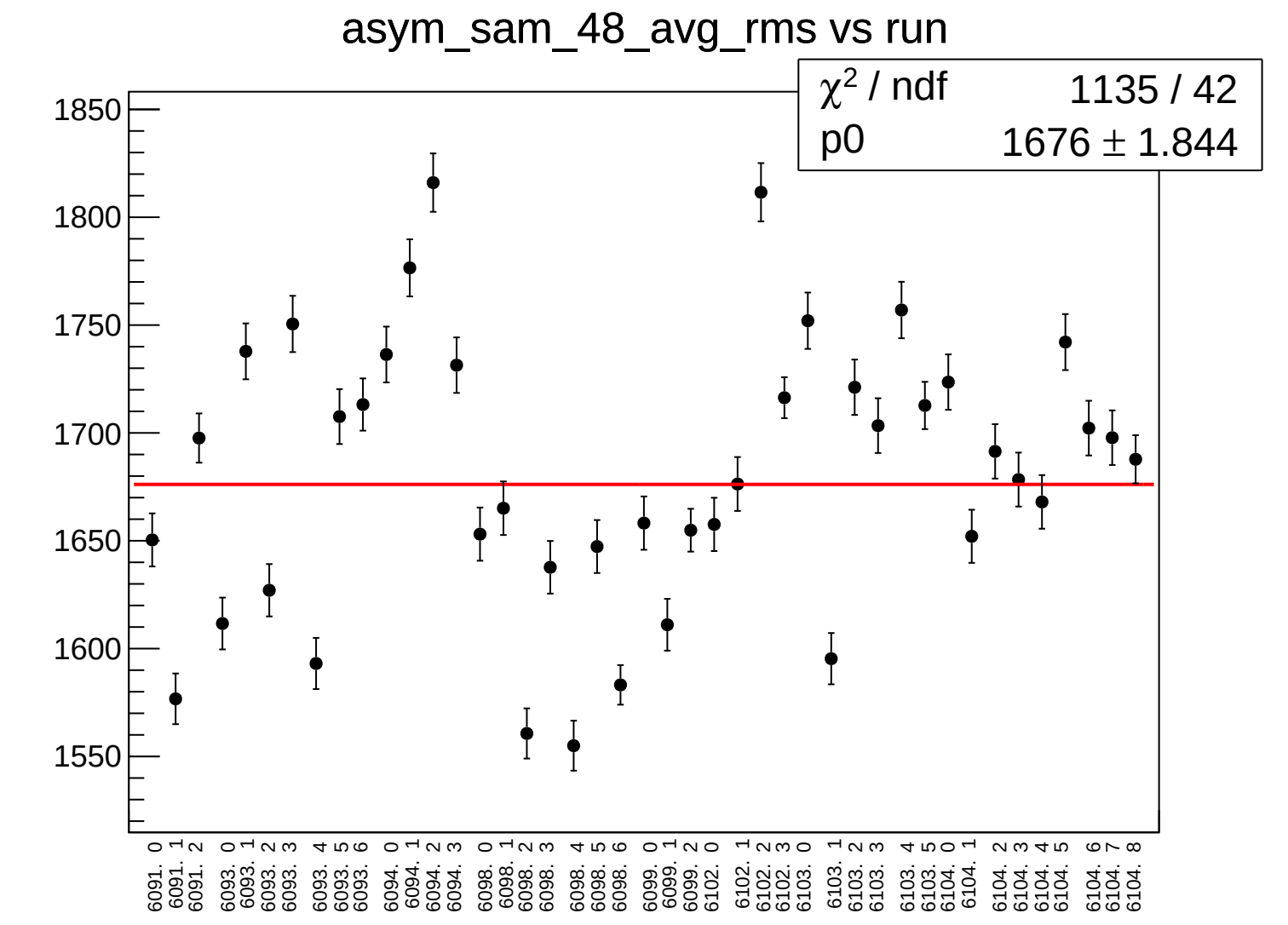

asym_sam_48_avg_eigen_dit_correction_mean vs run
χ² / ndf 49.09 / 42
p0 43.95 ± 2636
60000
40000
20000
0
−20000
−40000
−60000
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean −233.5
Std Dev 0
2
1
0
−1
−2

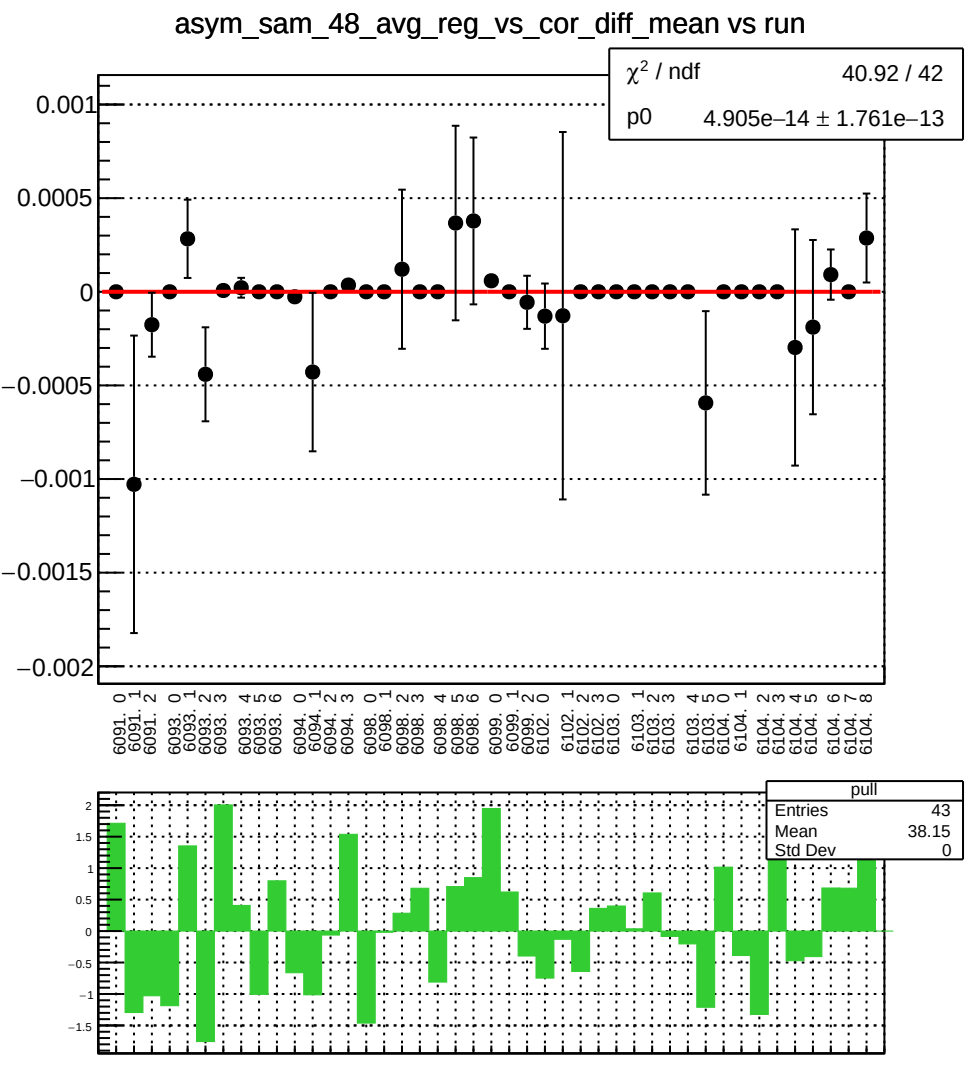

pull1D
Entries 43
Mean −0.004278
Std Dev 1.068
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

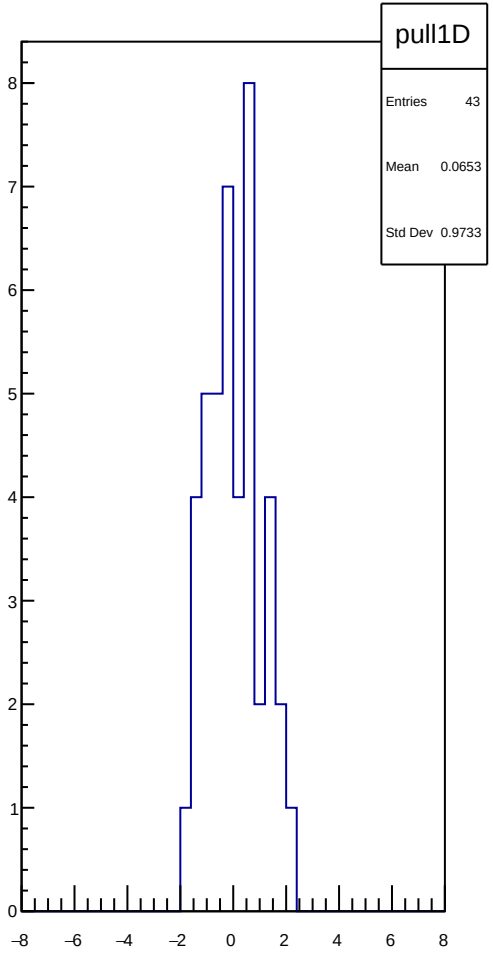

asym_sam_48_avg_eigen_dit_correction_rms vs run
χ² / ndf 1017 / 42
p0 1695 ± 1.864
1850
1800
1750
1700
1650
1600
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

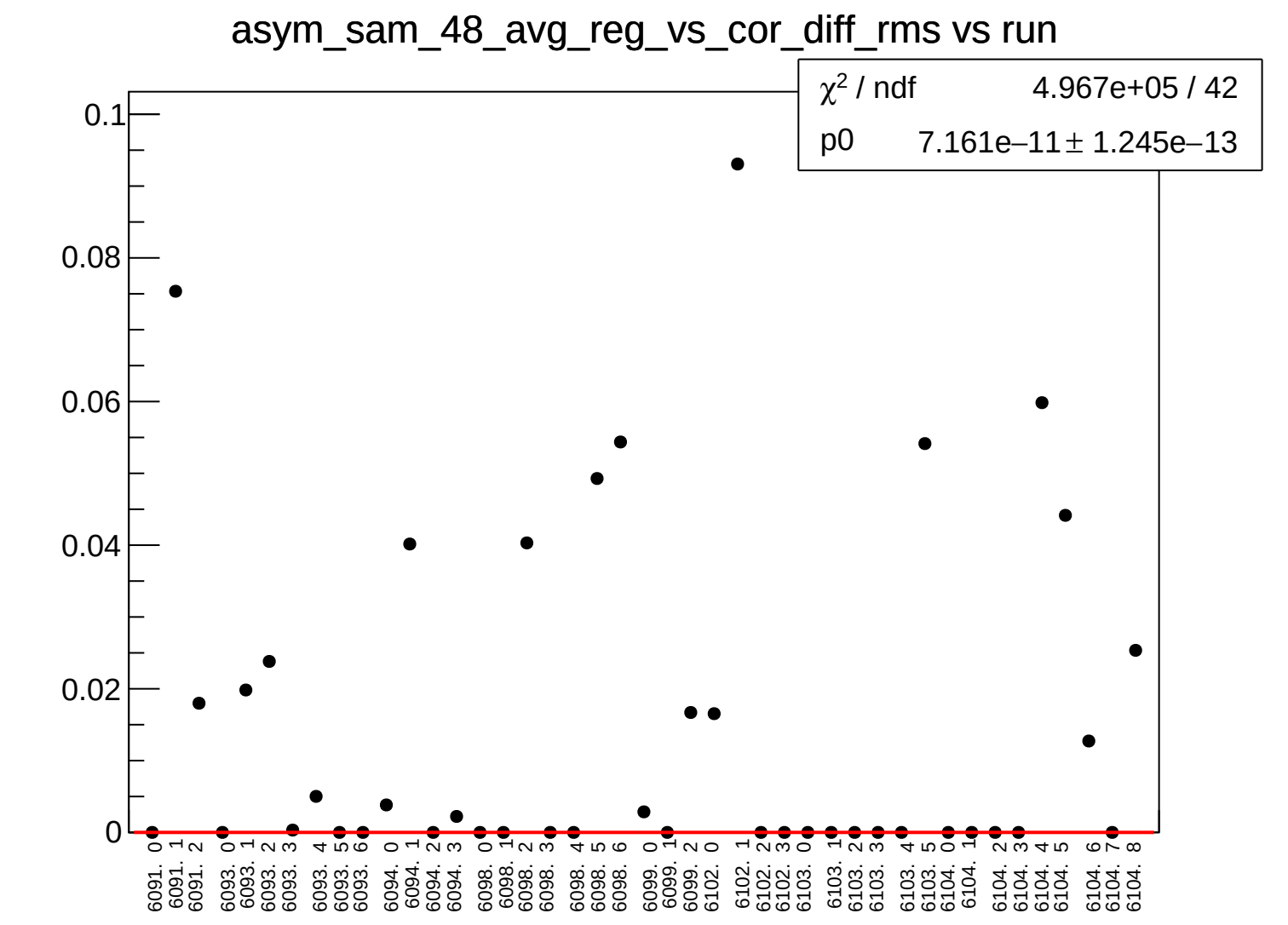

asym_sam_48_avg_mean vs run
χ² / ndf 49.8 / 42
p0 28.09 ± 2607
60000
40000
20000
0
−20000
−40000
−60000
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean −178
Std Dev 0
2
1
0
−1
−2

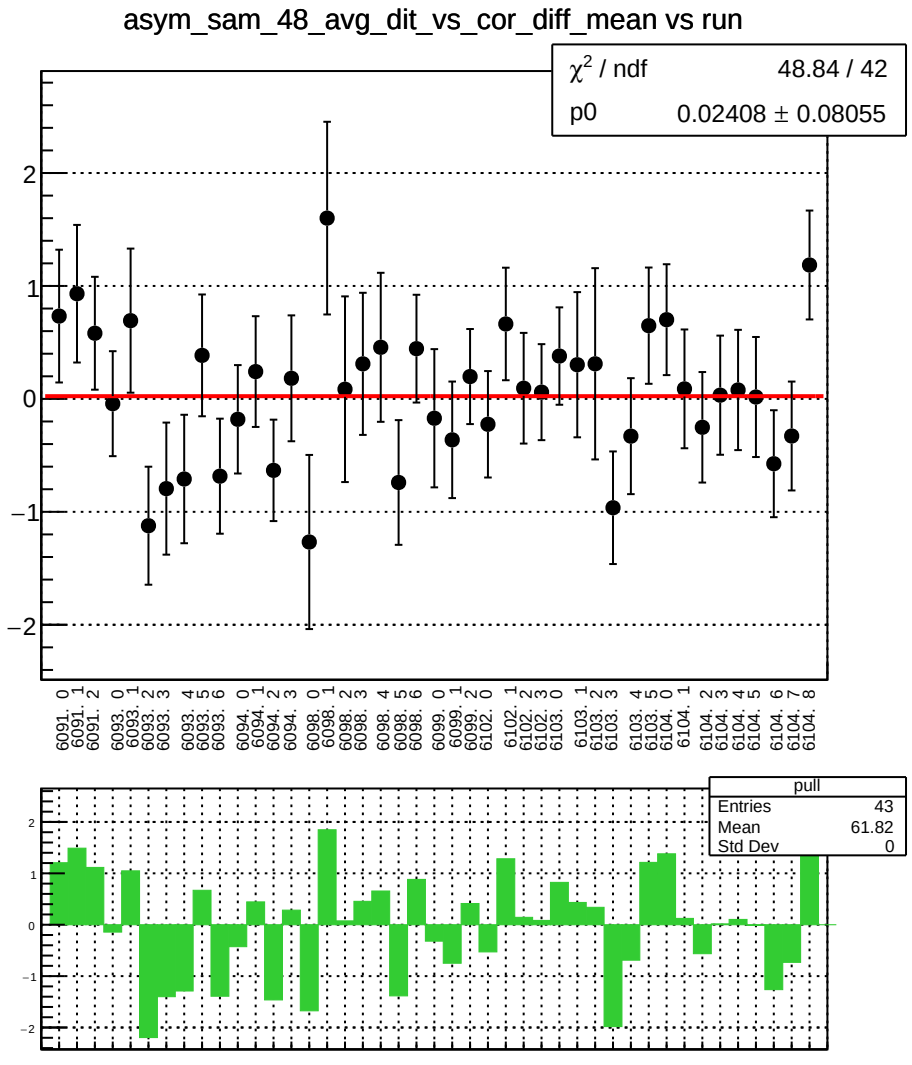

pull1D
Entries 43
Mean 0.005353
Std Dev 1.076
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

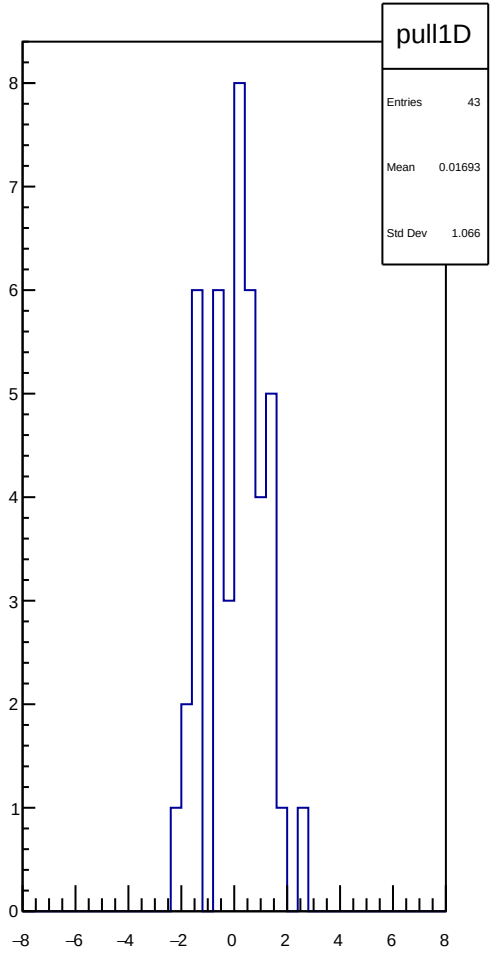

asym_sam_48_avg_rms vs run
χ² / ndf 1135 / 42
p0 1676 ± 1.844
1850
1800
1750
1700
1650
1600
1550
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

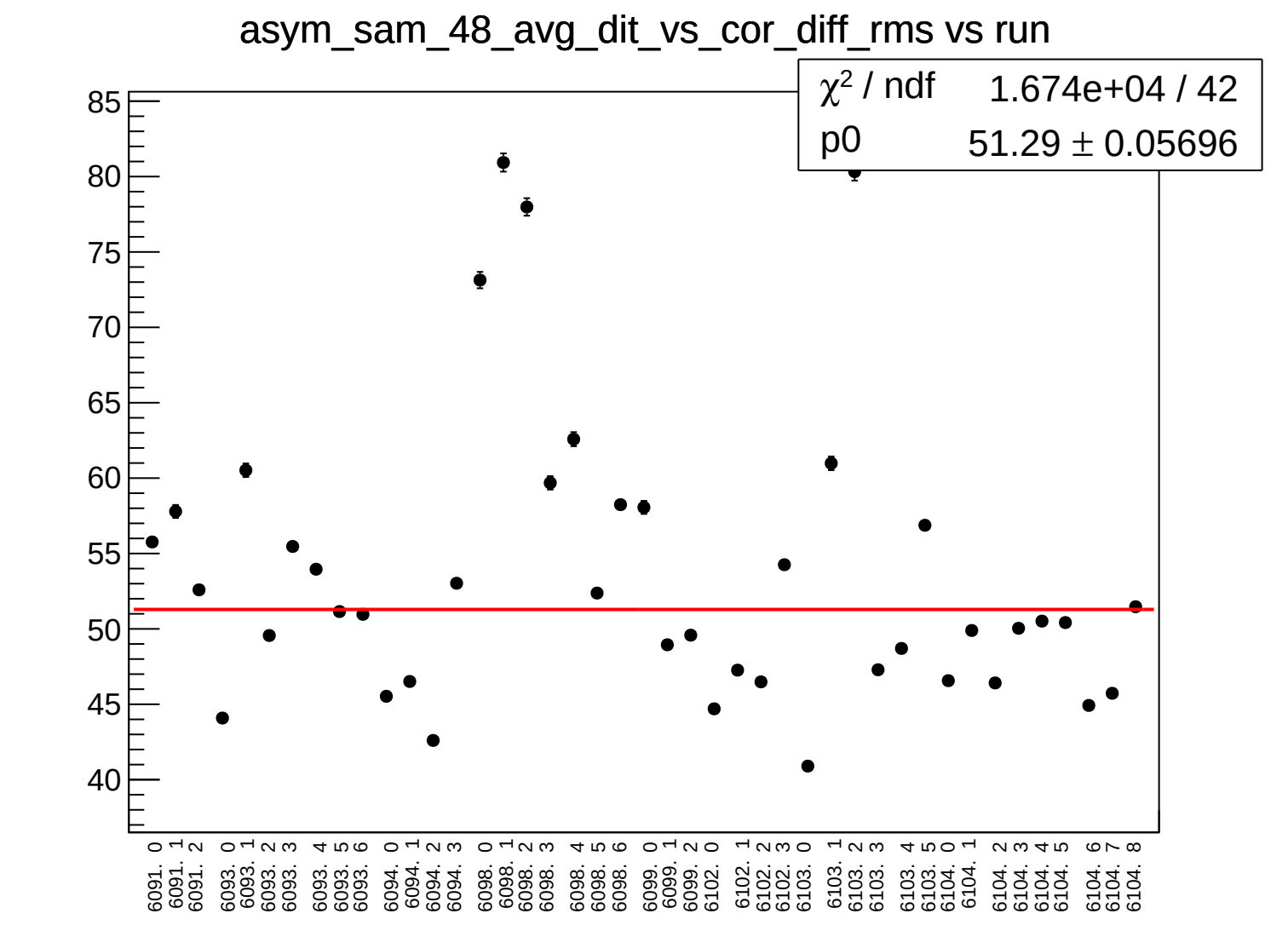

asym_sam_48_avg_reg_vs_cor_diff_mean vs run
χ² / ndf 40.92 / 42
p0 4.905e−14 ± 1.761e−13
0.001
0.0005
0
−0.0005
−0.001
−0.0015
−0.002
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 38.15
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5

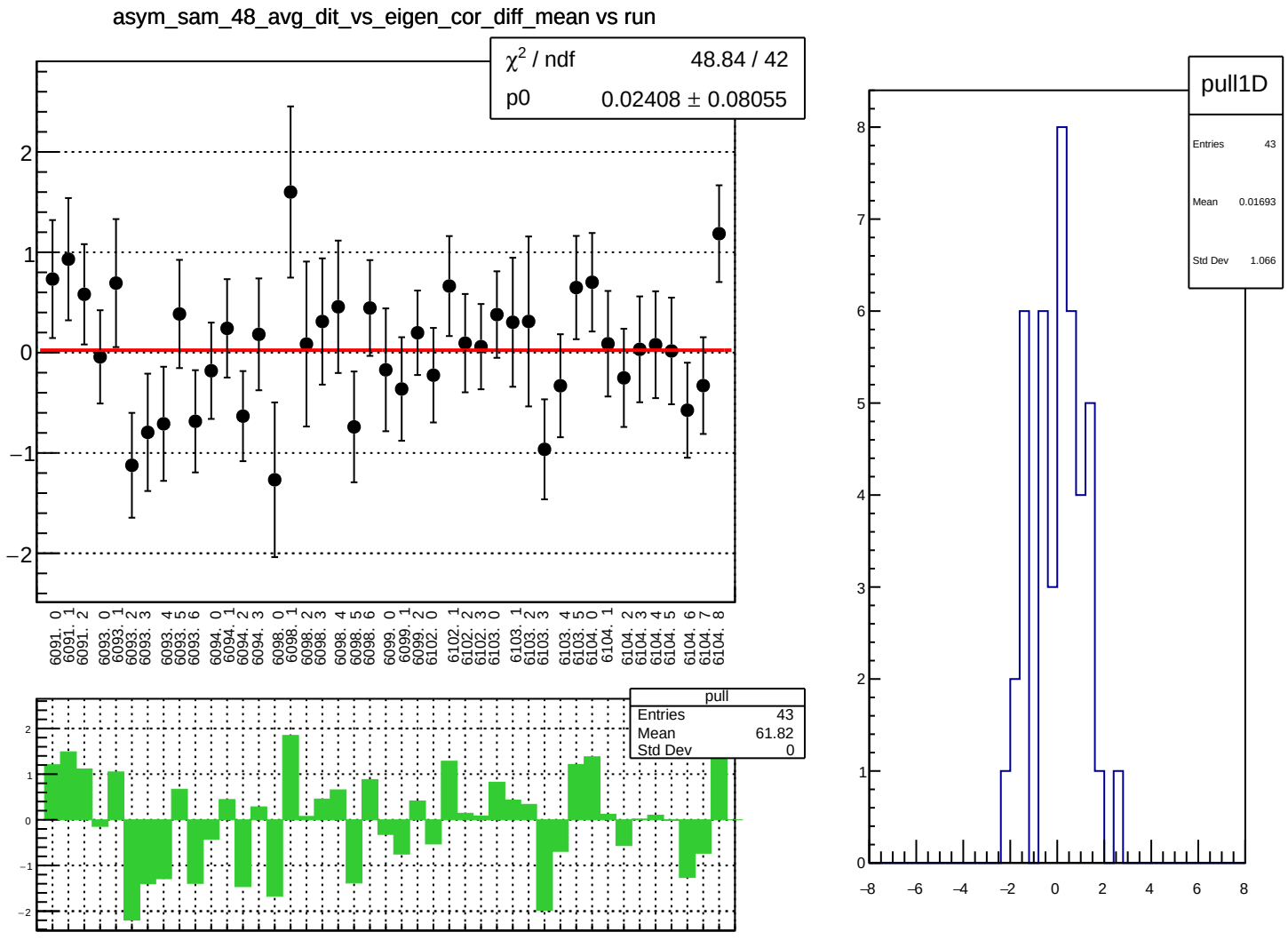

pull1D
Entries 43
Mean 0.0653
Std Dev 0.9733
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

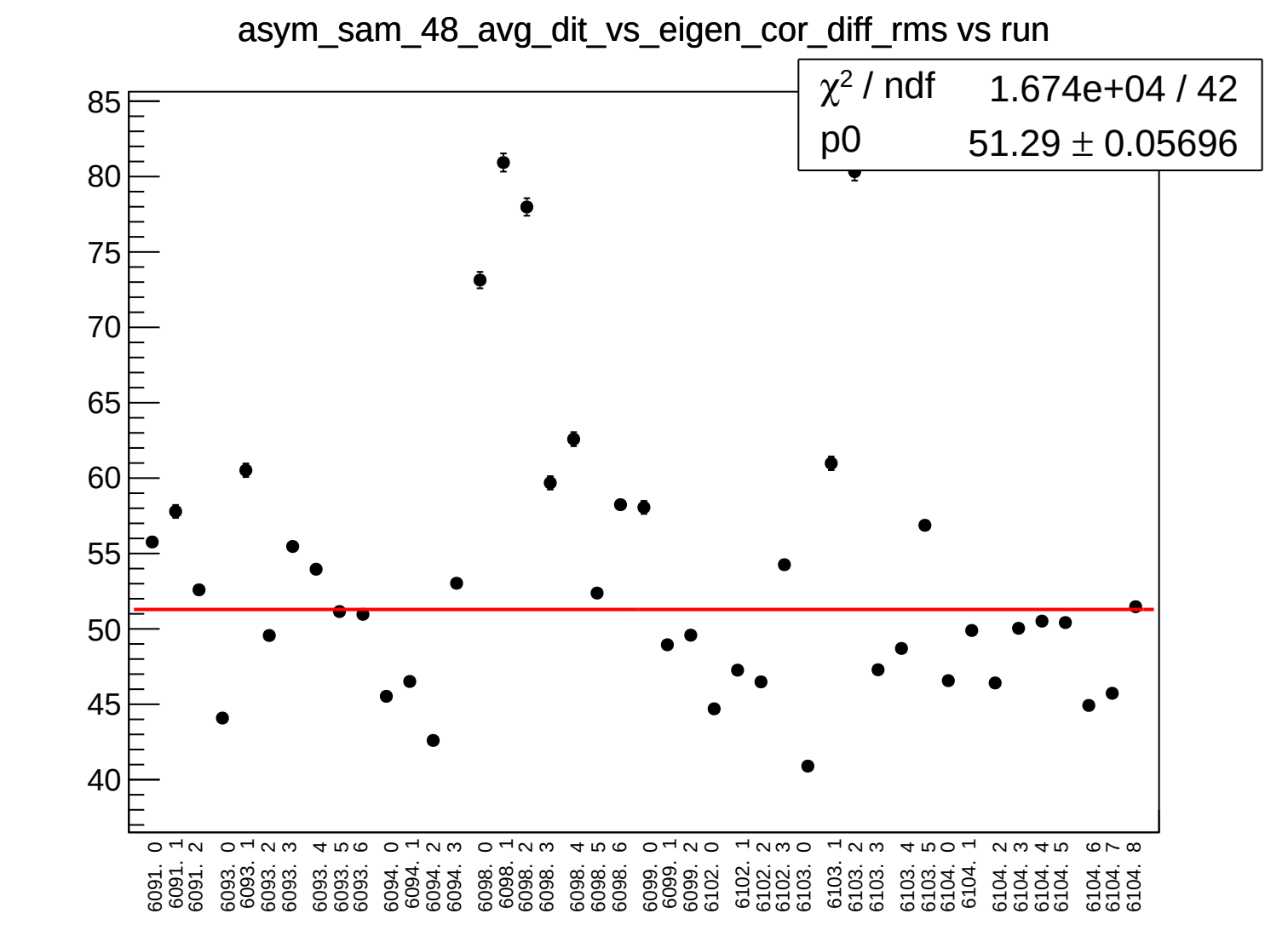

asym_sam_48_avg_reg_vs_cor_diff_rms vs run
χ² / ndf 4.967e+05 / 42
p0 7.161e−11 ± 1.245e−13
0.1
0.08
0.06
0.04
0.02
0
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

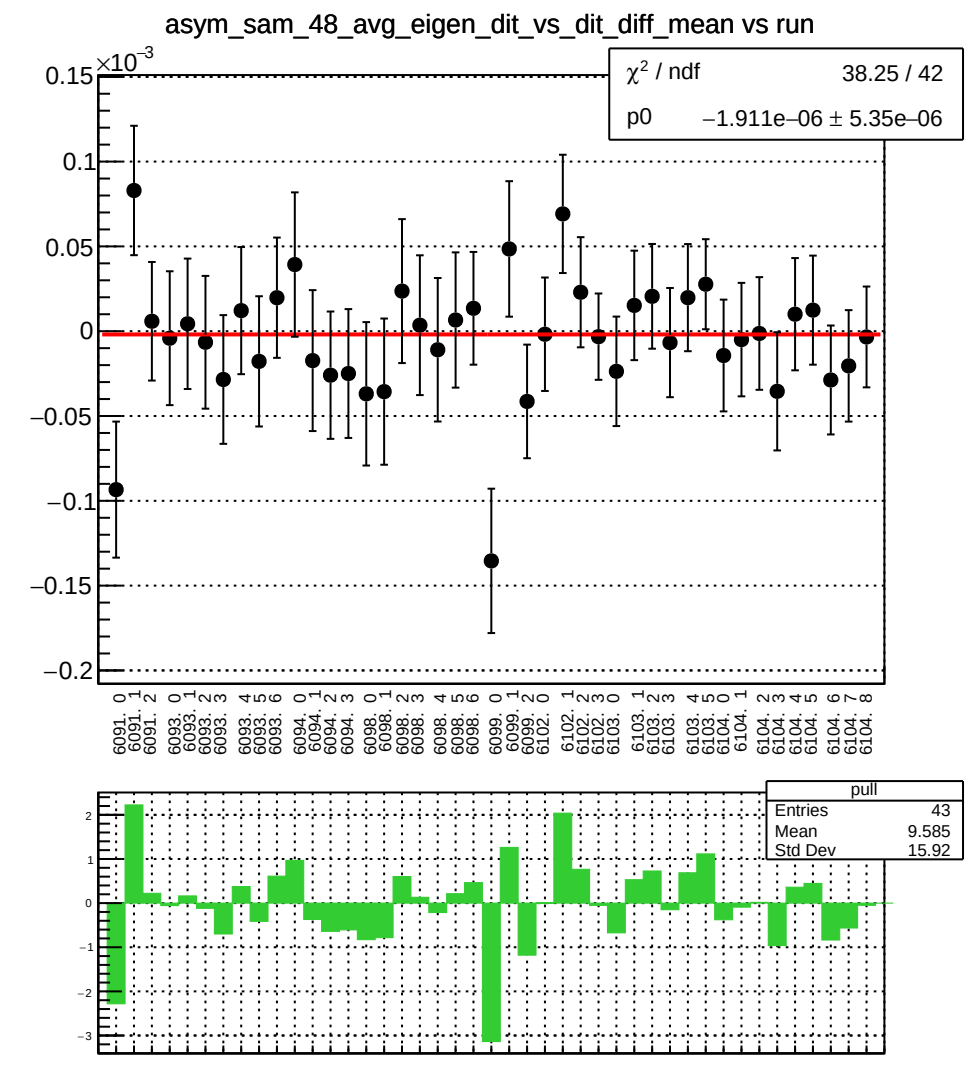

asym_sam_48_avg_dit_vs_cor_diff_mean vs run
χ² / ndf 48.84 / 42
p0 0.02408 ± 0.08055
pull
Entries 43
Mean 61.82
Std Dev 0
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

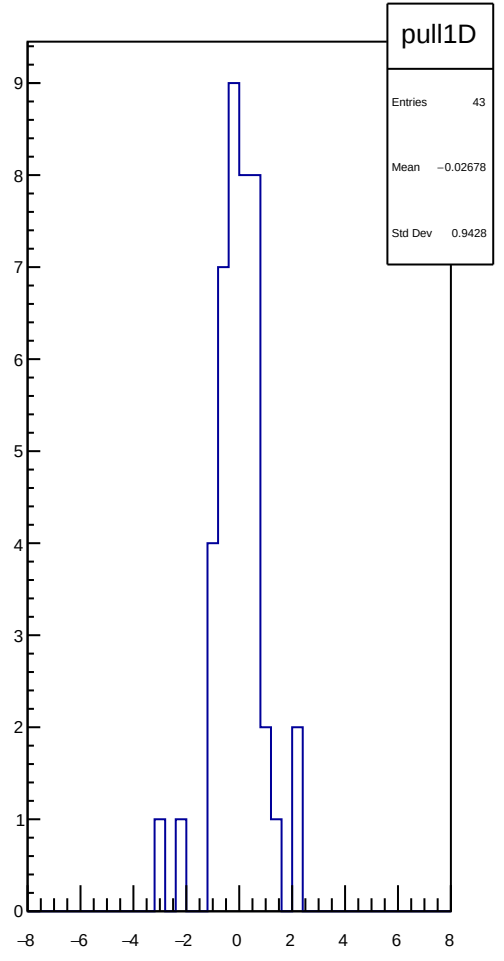

pull1D
Entries 43
Mean 0.01693
Std Dev 1.066

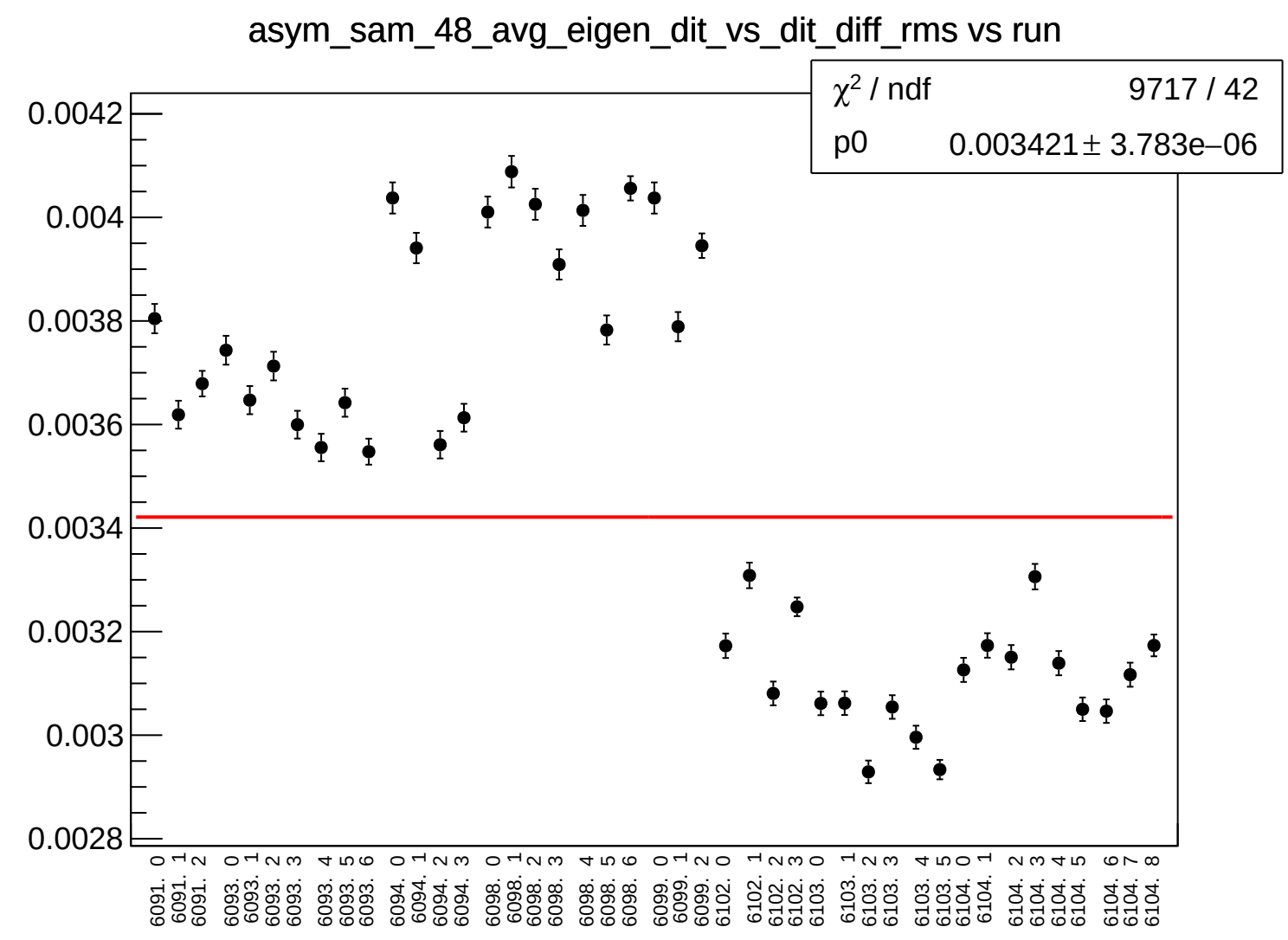

asym_sam_48_avg_dit_vs_cor_diff_rms vs run
χ² / ndf 1.674e+04 / 42
p0 51.29 ± 0.05696
85
80
75
70
65
60
55
50
45
40
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

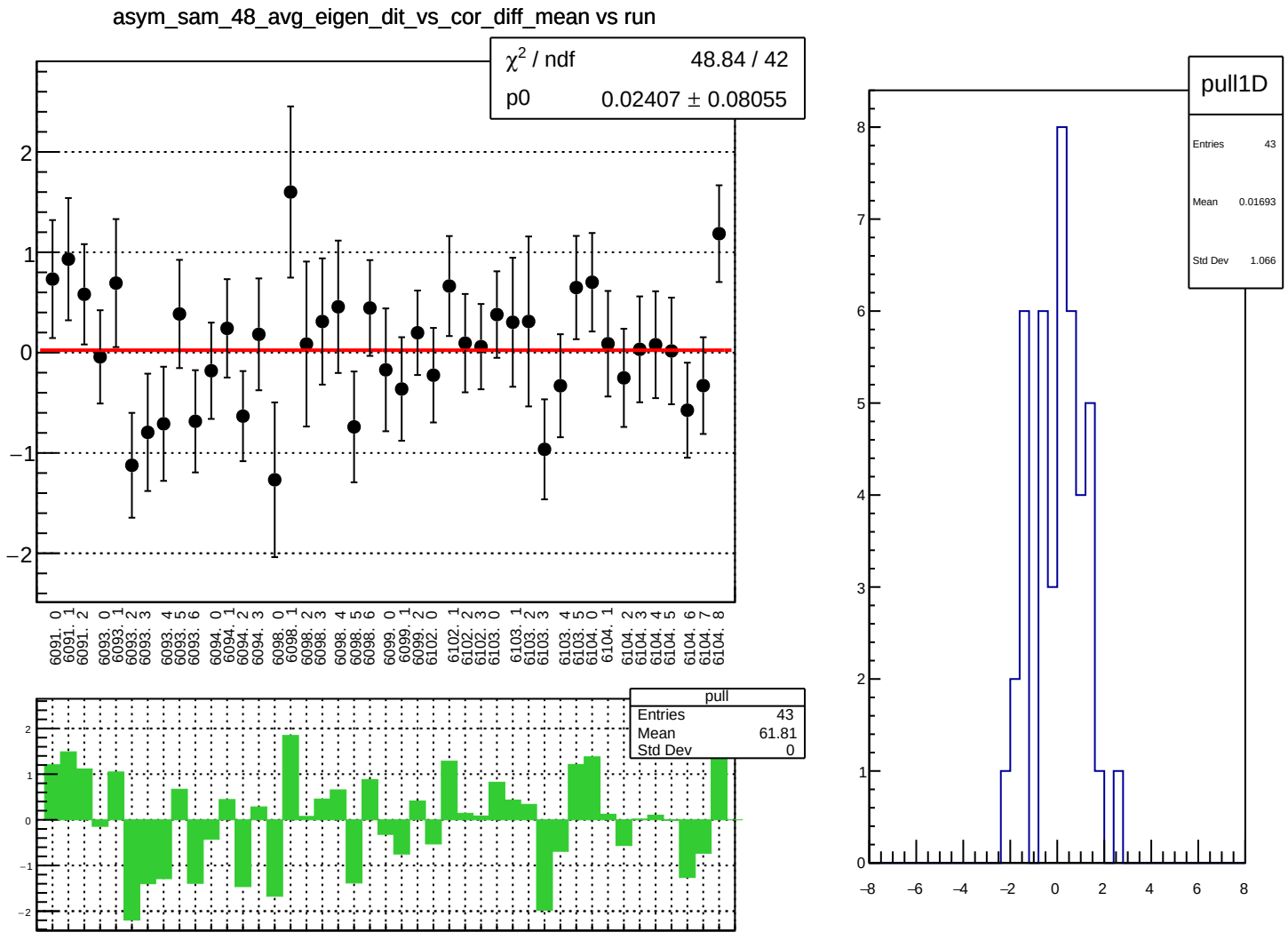

asym_sam_48_avg_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 48.84 / 42
p0 0.02408 ± 0.08055
2
1
0
−1
−2
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 61.82
Std Dev 0
2
1
0
−1
−2
pull1D
Entries 43
Mean 0.01693
Std Dev 1.066
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

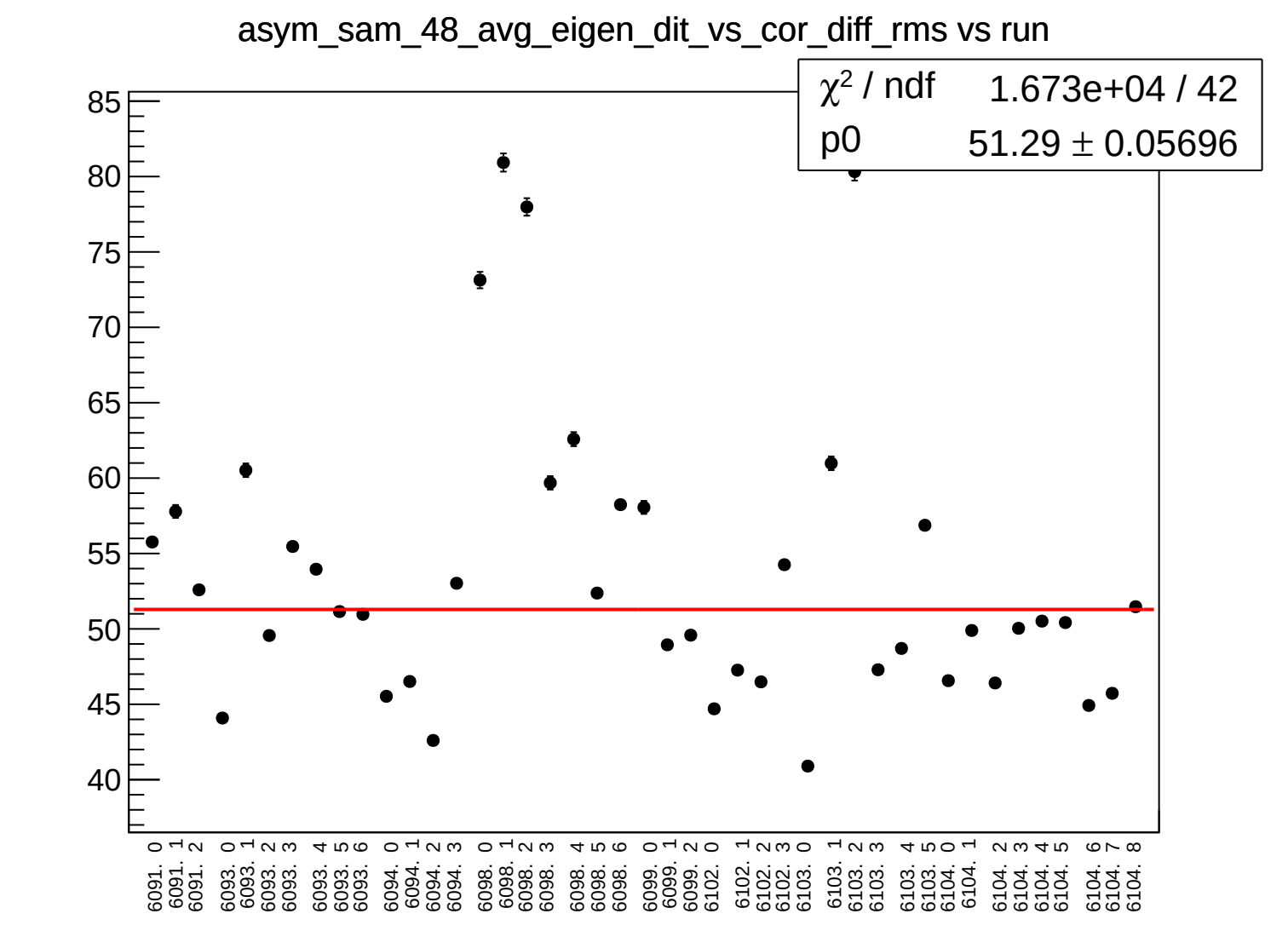

asym_sam_48_avg_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.674e+04 / 42
p0 51.29 ± 0.05696
85
80
75
70
65
60
55
50
45
40
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

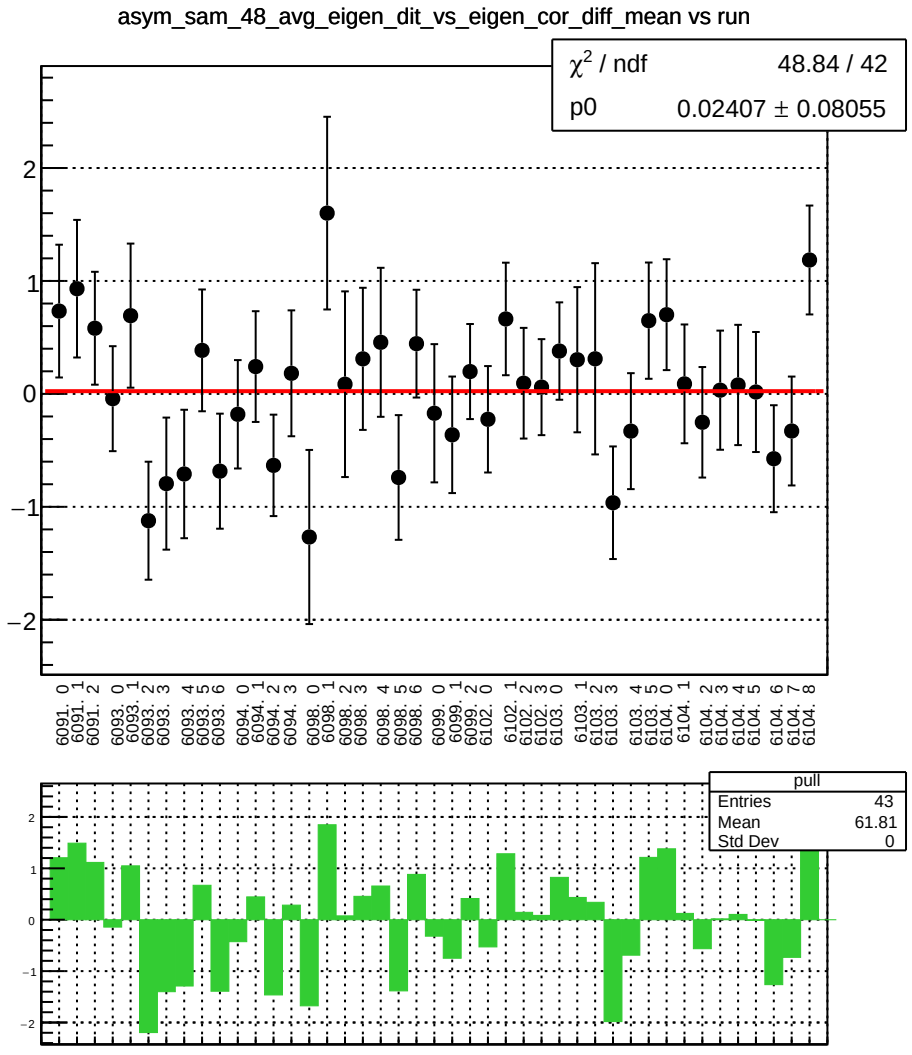

asym_sam_48_avg_eigen_dit_vs_dit_diff_mean vs run
χ² / ndf 38.25 / 42
p0 −1.911e−06 ± 5.35e−06
×10⁻³
pull
Entries 43
Mean 9.585
Std Dev 15.92

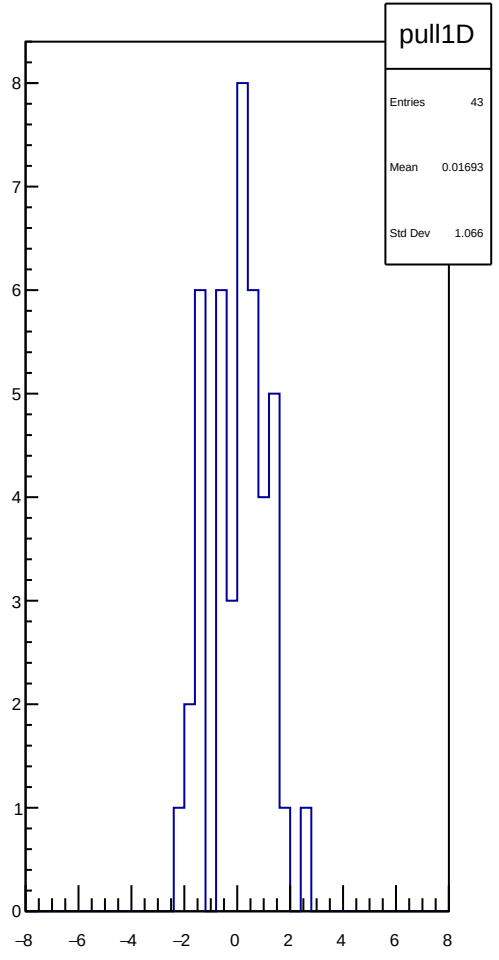

pull1D
Entries 43
Mean −0.02678
Std Dev 0.9428

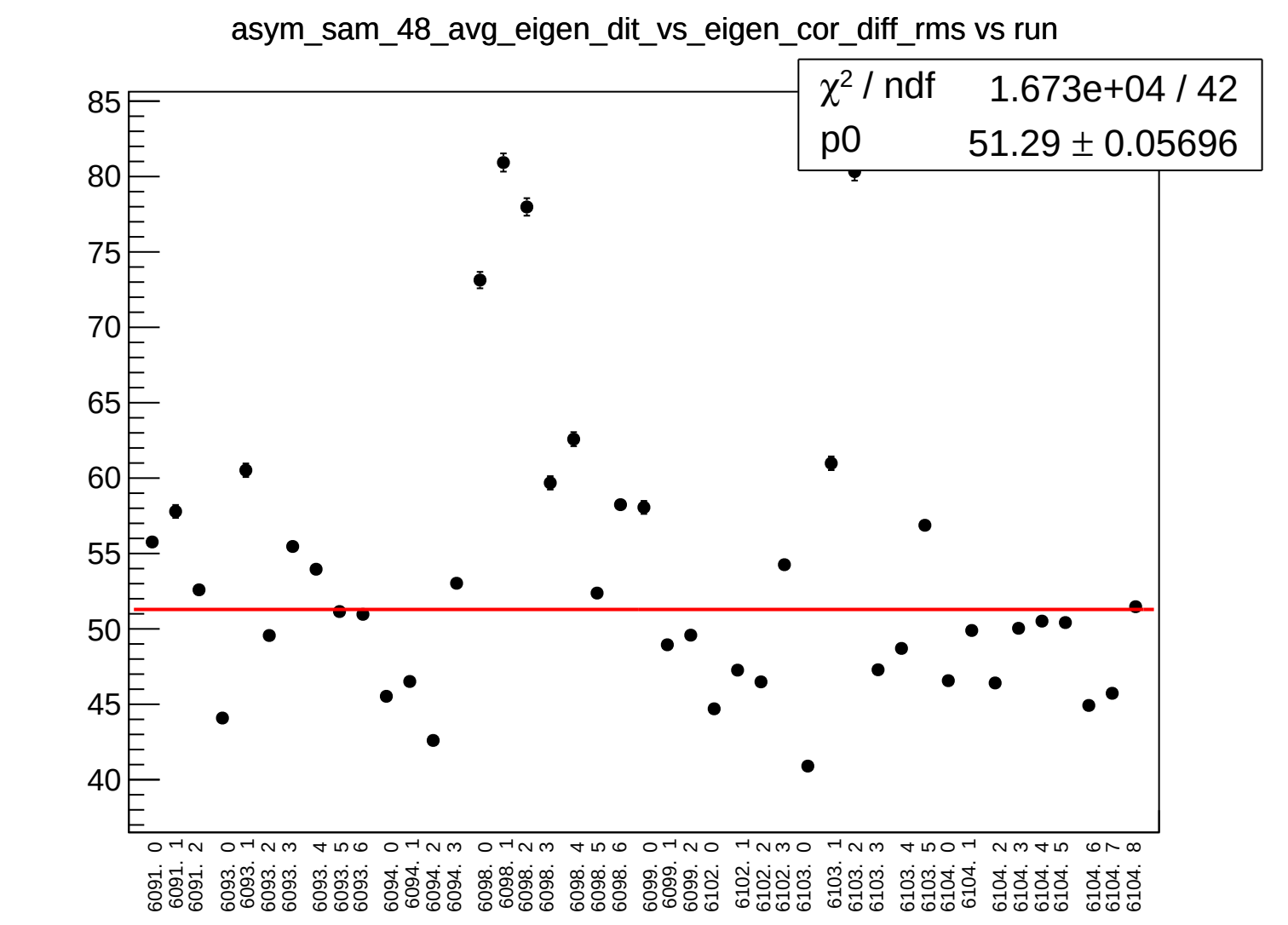

asym_sam_48_avg_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 9717 / 42
p0 0.003421 ± 3.783e−06
0.0042
0.004
0.0038
0.0036
0.0034
0.0032
0.003
0.0028
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

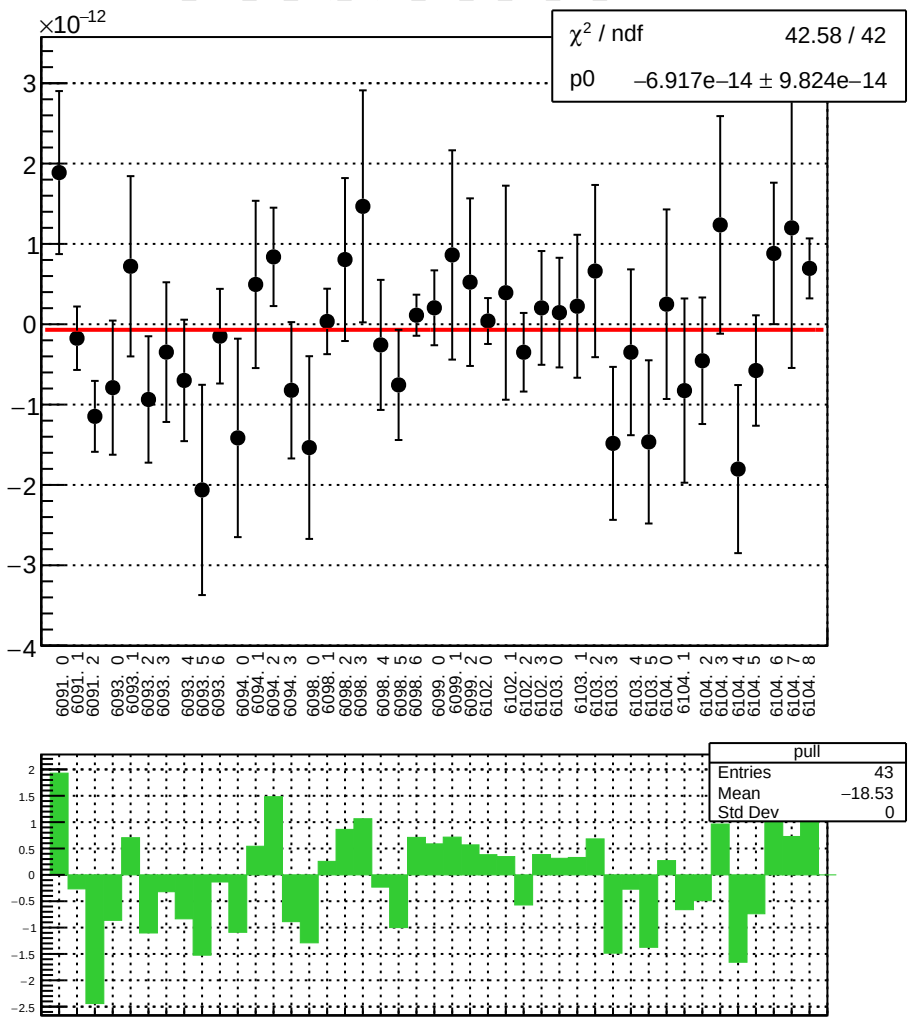

asym_sam_48_avg_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 48.84 / 42
p0 0.02407 ± 0.08055
pull
Entries 43
Mean 61.81
Std Dev 0
pull1D
Entries 43
Mean 0.01693
Std Dev 1.066

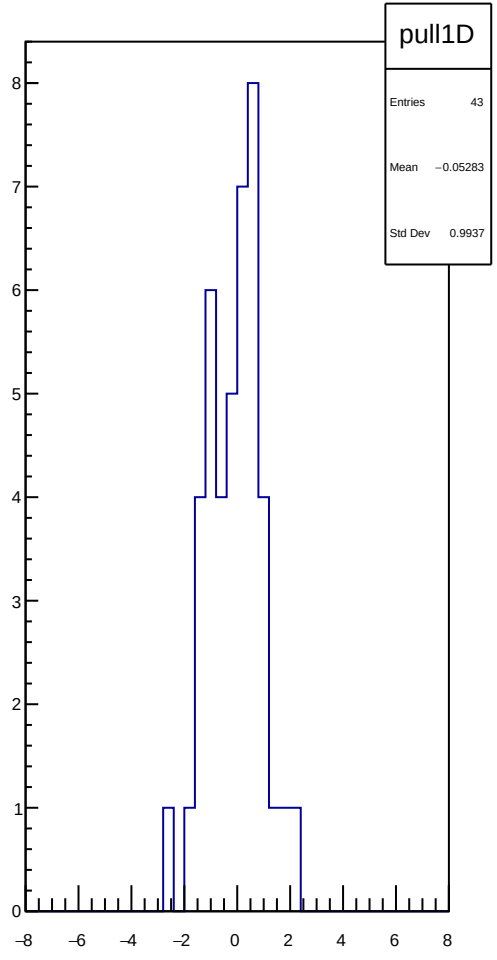

asym_sam_48_avg_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 1.673e+04 / 42
p0 51.29 ± 0.05696
85
80
75
70
65
60
55
50
45
40
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

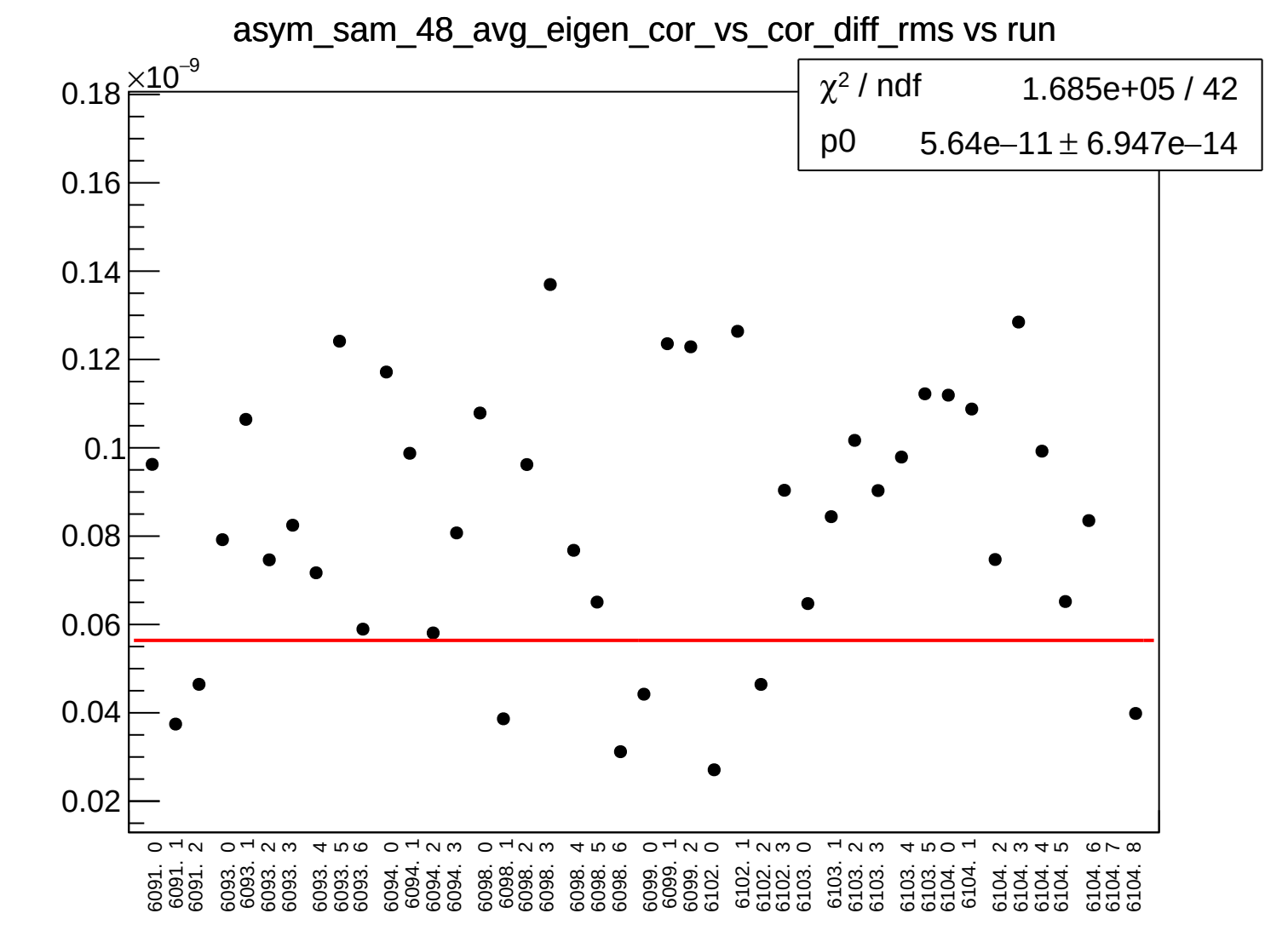

asym_sam_48_avg_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 48.84 / 42
p0 0.02407 ± 0.08055
pull
Entries 43
Mean 61.81
Std Dev 0

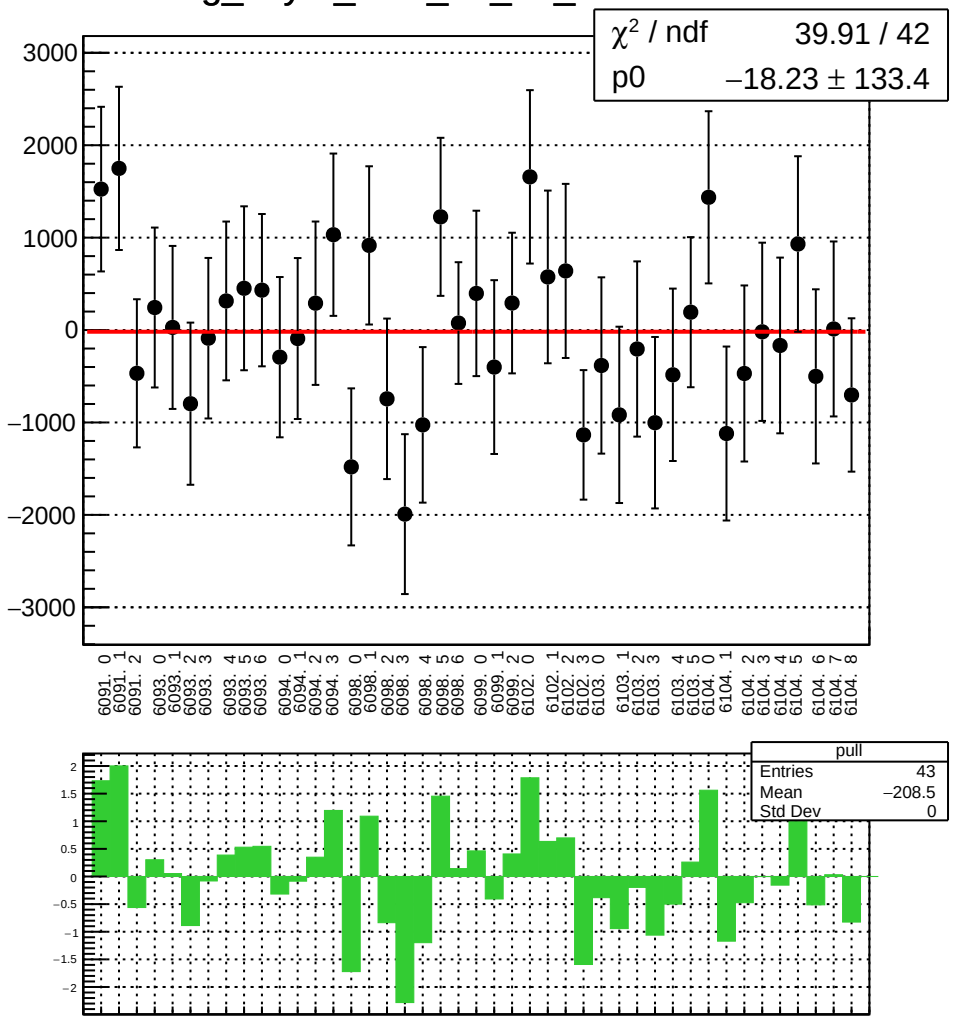

pull1D
Entries 43
Mean 0.01693
Std Dev 1.066

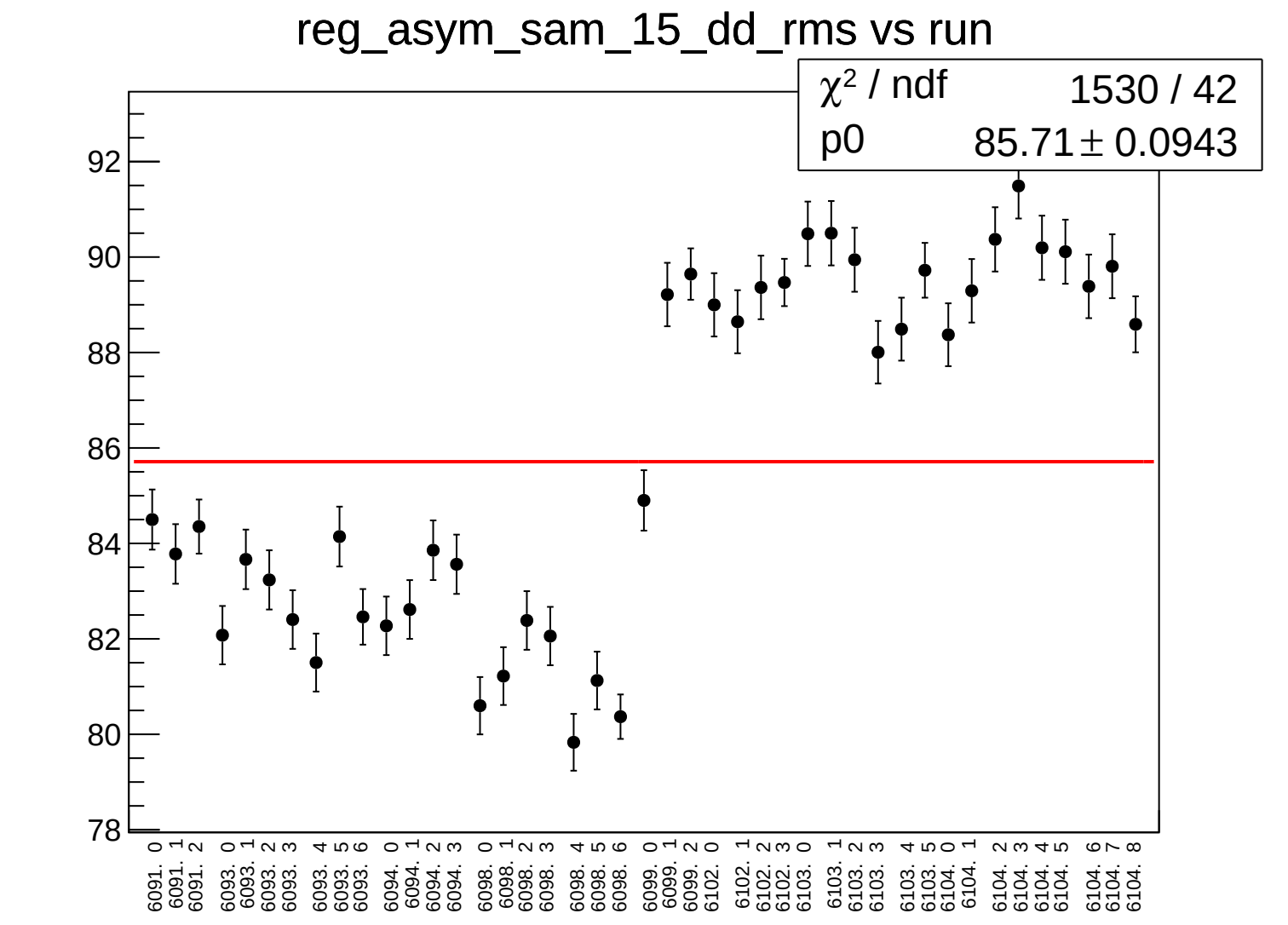

asym_sam_48_avg_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.673e+04 / 42
p0 51.29 ± 0.05696
85
80
75
70
65
60
55
50
45
40
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

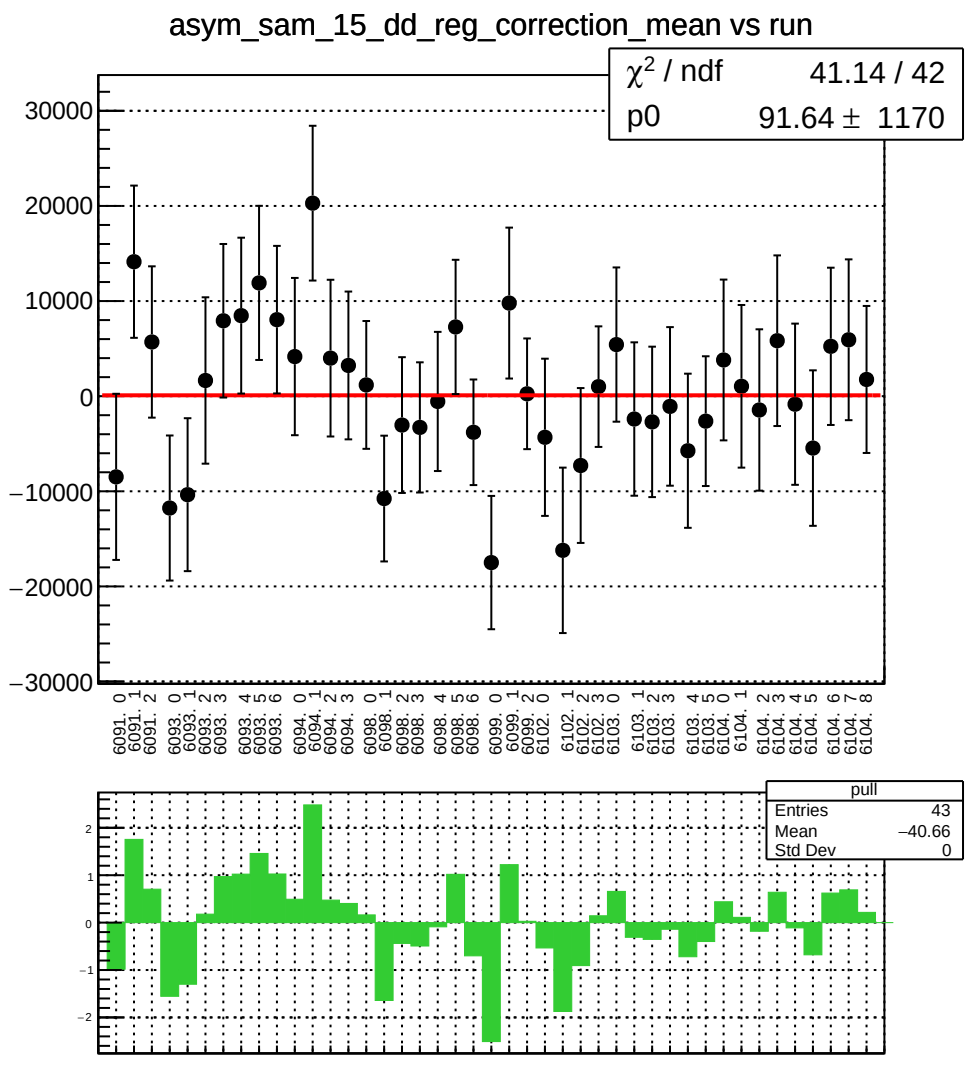

asym_sam_48_avg_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 42.58 / 42
p0 −6.917e−14 ± 9.824e−14
pull
Entries 43
Mean −18.53
Std Dev 0

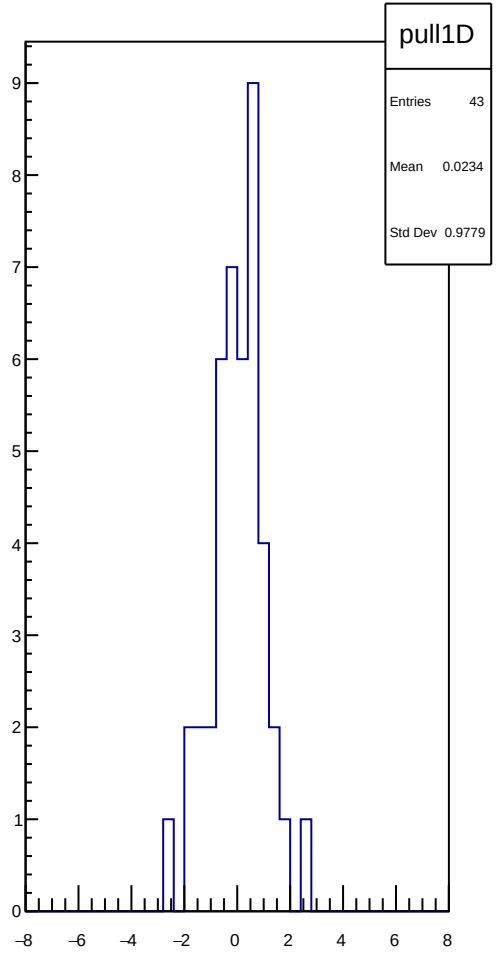

pull1D
Entries 43
Mean −0.05283
Std Dev 0.9937

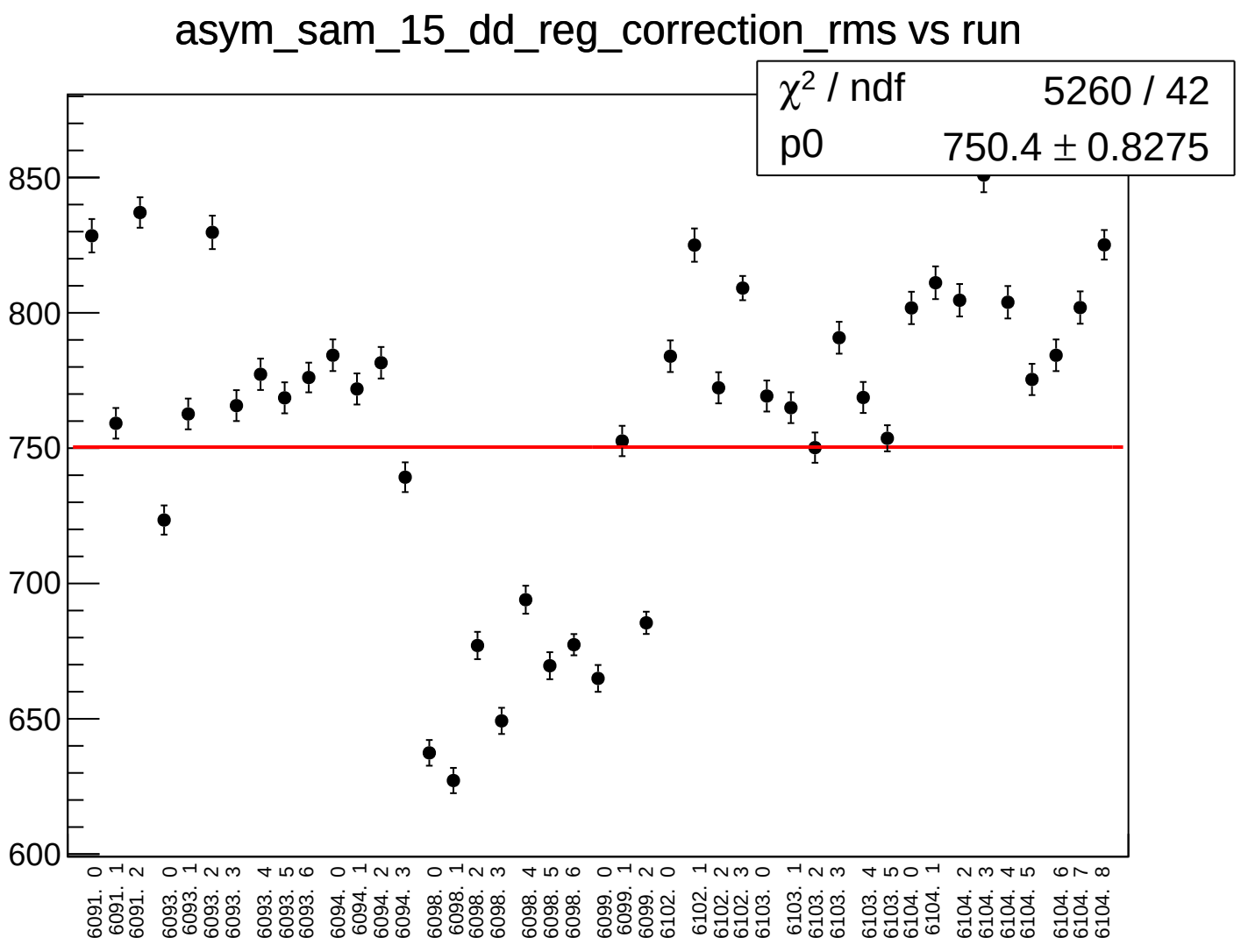

asym_sam_48_avg_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 1.685e+05 / 42
p0 5.64e−11 ± 6.947e−14
0.18
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

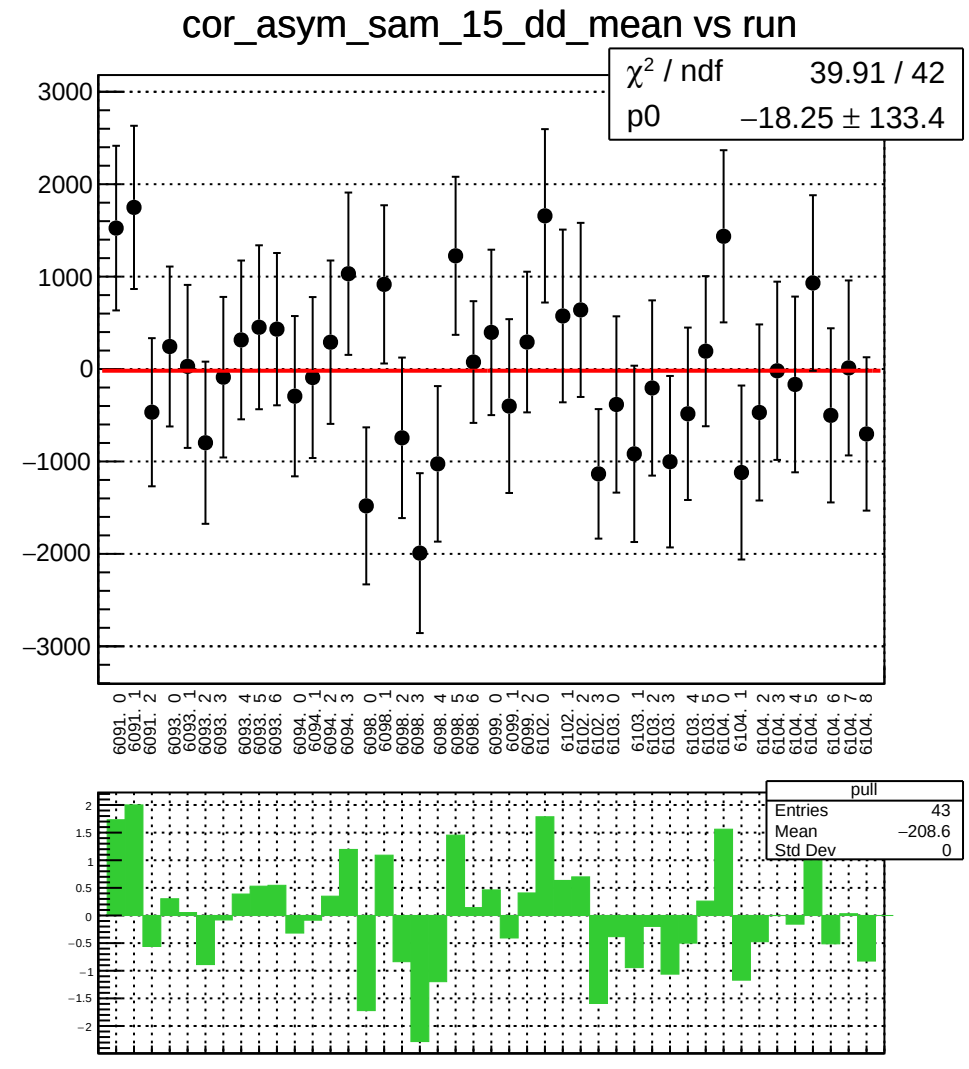

reg_asym_sam_15_dd_mean vs run
χ² / ndf 39.91 / 42
p0 −18.23 ± 133.4
3000
2000
1000
0
−1000
−2000
−3000
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean −208.5
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 43
Mean 0.01027
Std Dev 0.9633
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

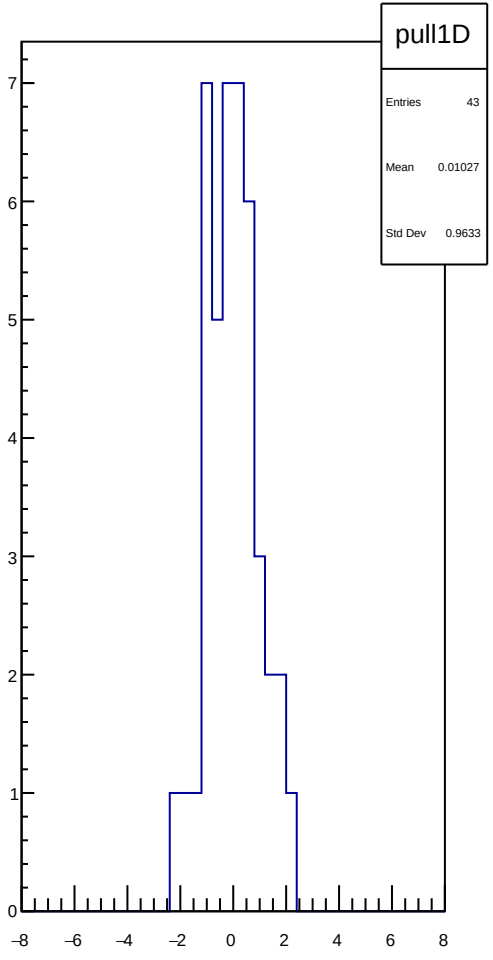

reg_asym_sam_15_dd_rms vs run
χ² / ndf 1530 / 42
p0 85.71 ± 0.0943
92
90
88
86
84
82
80
78
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

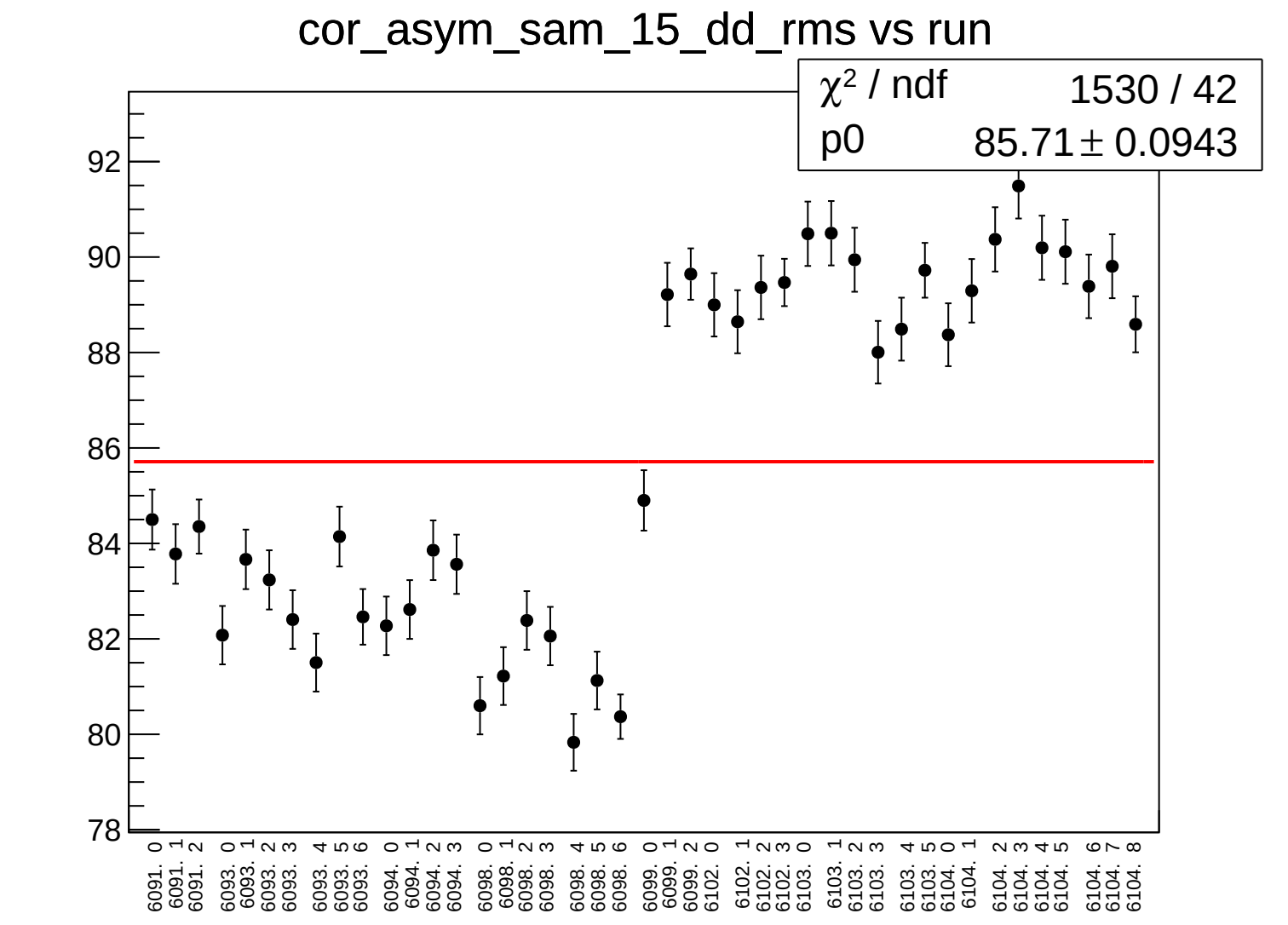

asym_sam_15_dd_reg_correction_mean vs run
χ² / ndf 41.14 / 42
p0 91.64 ± 1170
30000
20000
10000
0
−10000
−20000
−30000
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean −40.66
Std Dev 0
2
1
0
−1
−2

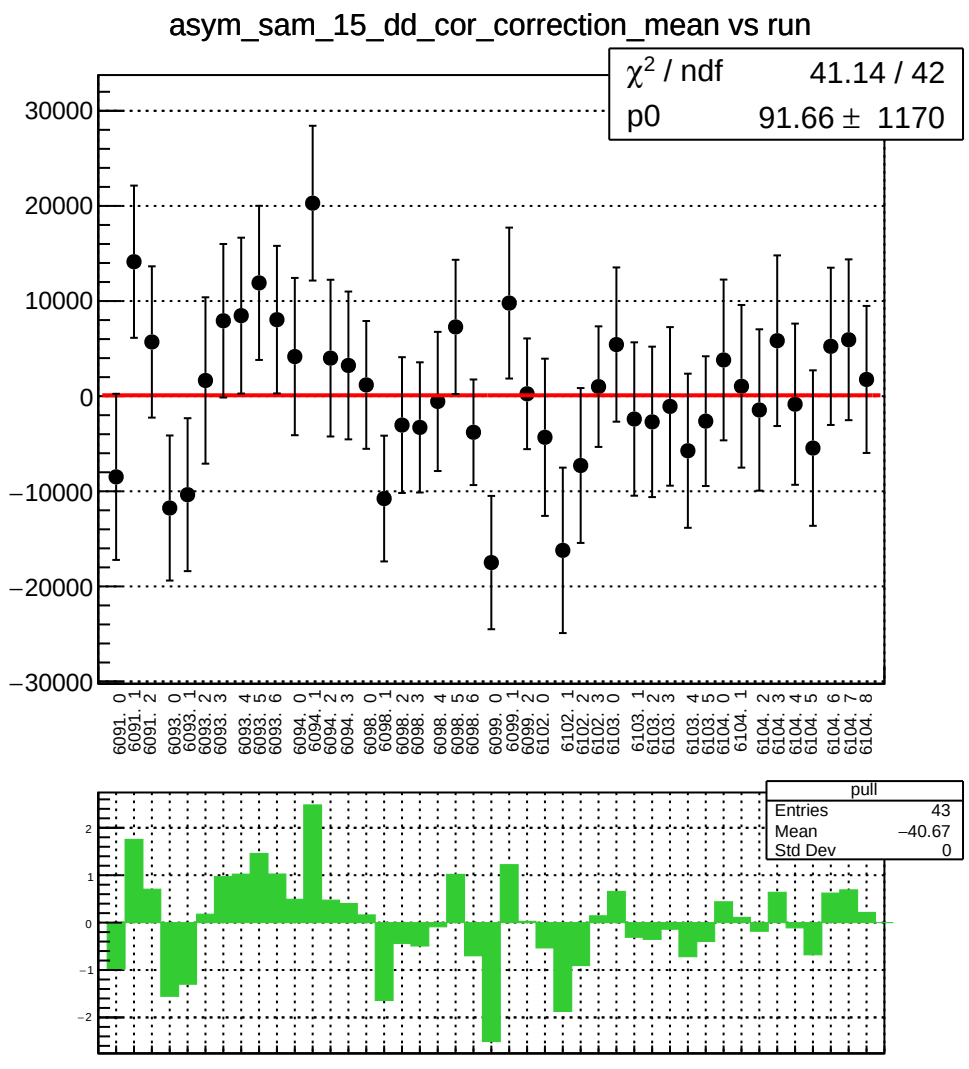

pull1D
Entries 43
Mean 0.0234
Std Dev 0.9779
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

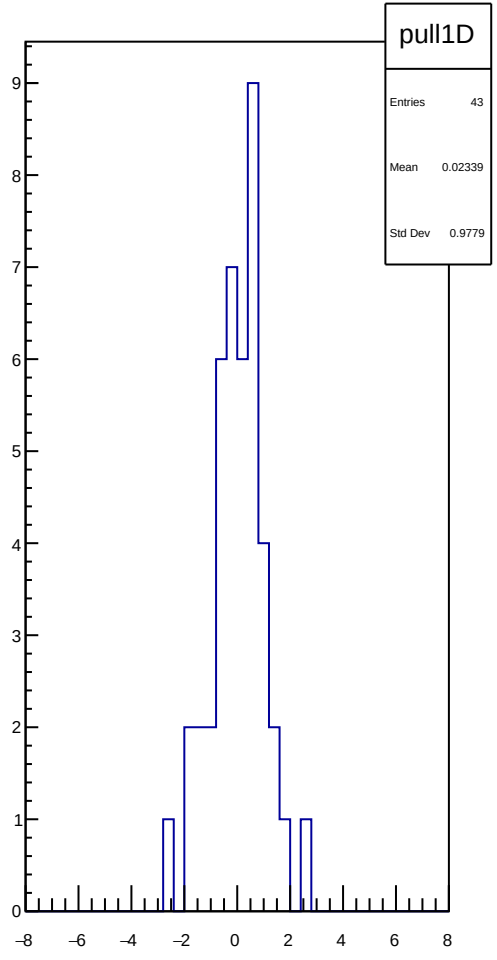

asym_sam_15_dd_reg_correction_rms vs run
χ² / ndf 5260 / 42
p0 750.4 ± 0.8275
850
800
750
700
650
600
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

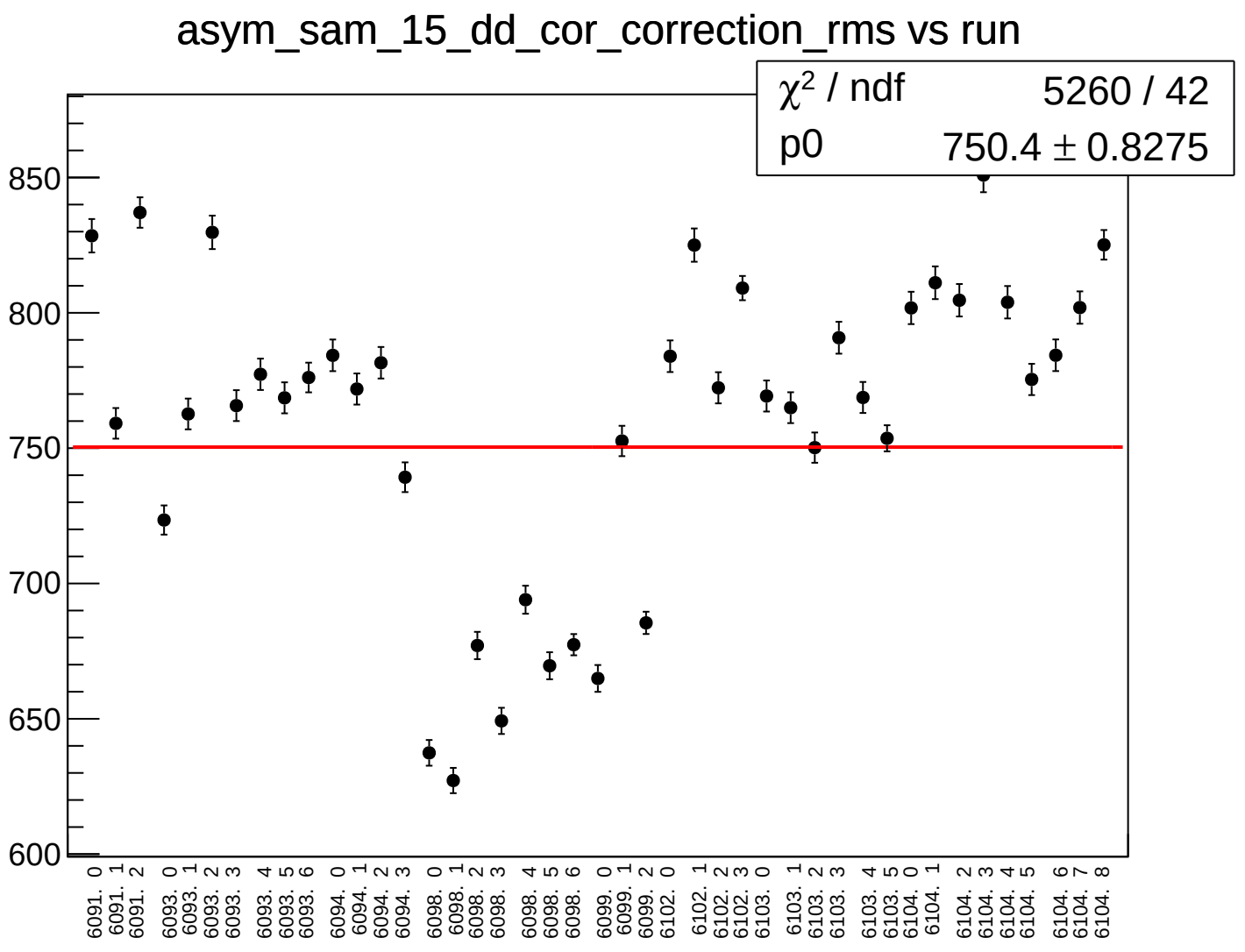

cor_asym_sam_15_dd_mean vs run
χ² / ndf 39.91 / 42
p0 −18.25 ± 133.4
3000
2000
1000
0
−1000
−2000
−3000
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean −208.6
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

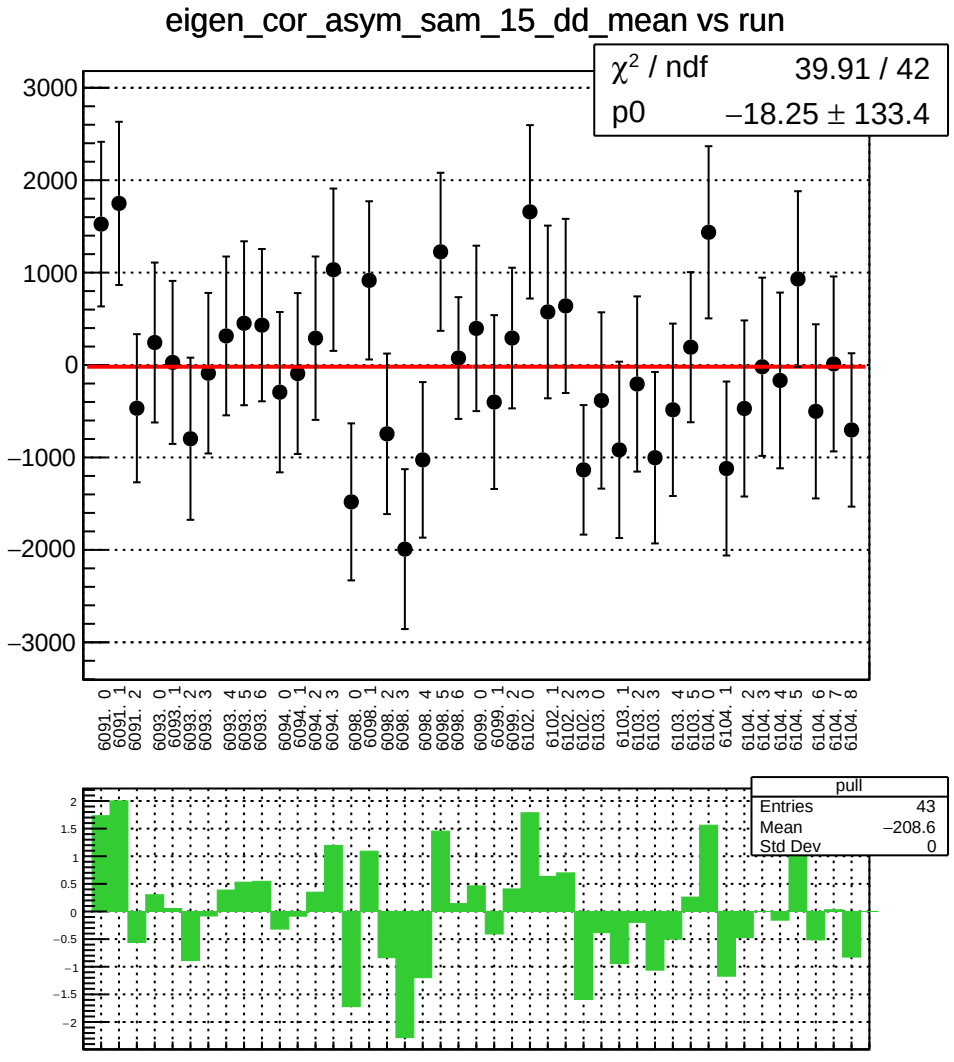

pull1D
Entries 43
Mean 0.01027
Std Dev 0.9633
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

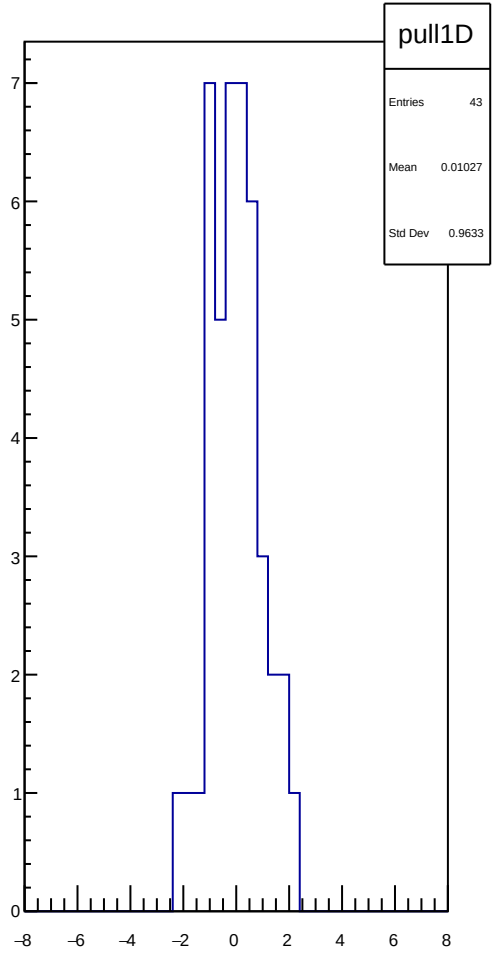

cor_asym_sam_15_dd_rms vs run
χ² / ndf 1530 / 42
p0 85.71 ± 0.0943
92
90
88
86
84
82
80
78
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

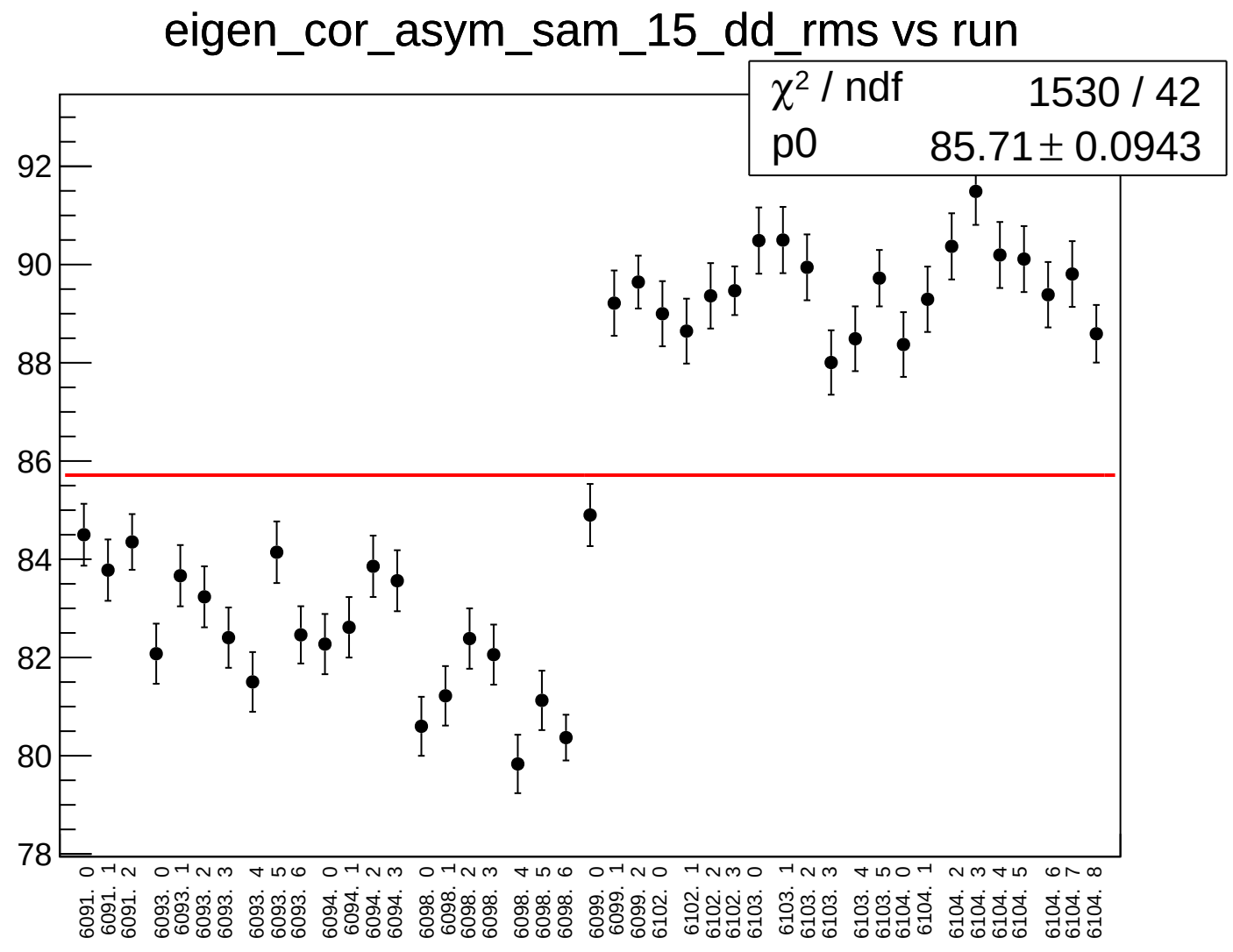

asym_sam_15_dd_cor_correction_mean vs run
χ² / ndf 41.14 / 42
p0 91.66 ± 1170
pull
Entries 43
Mean −40.67
Std Dev 0

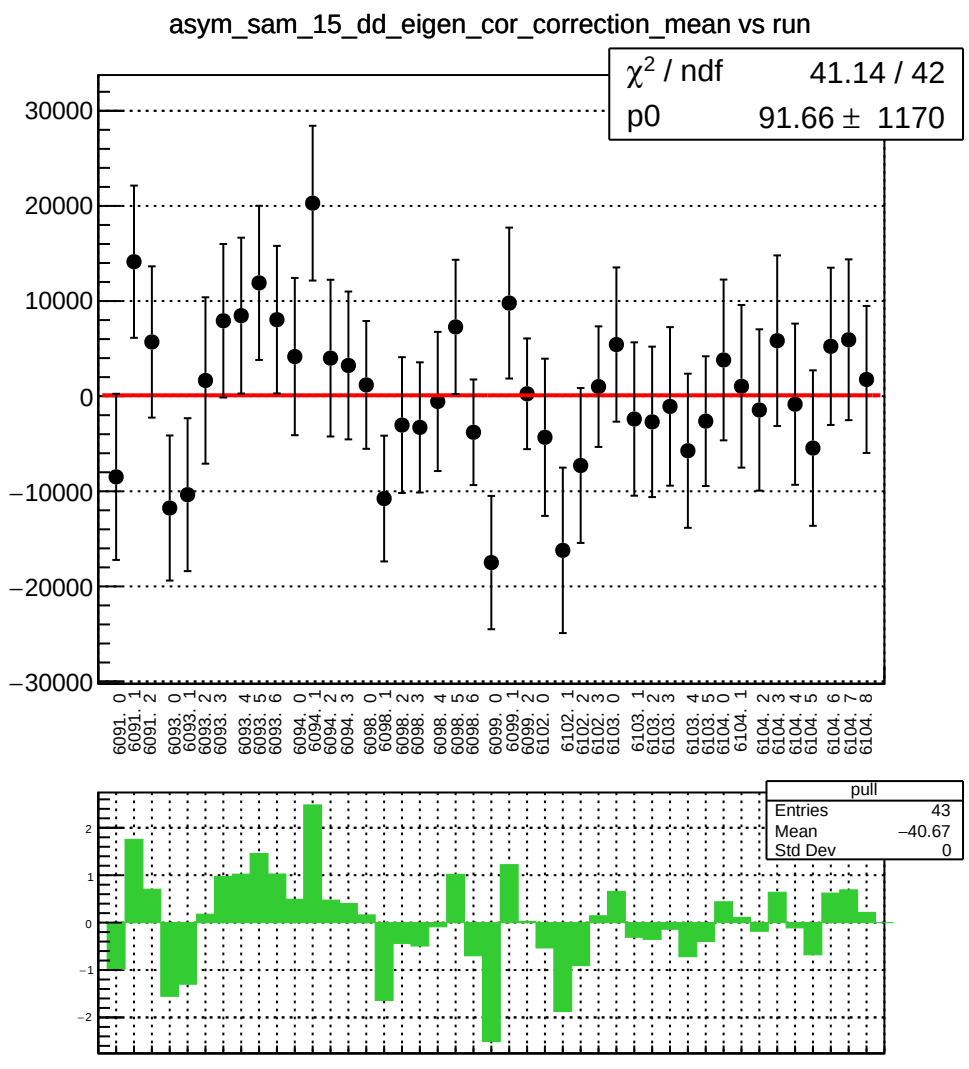

pull1D
Entries 43
Mean 0.02339
Std Dev 0.9779

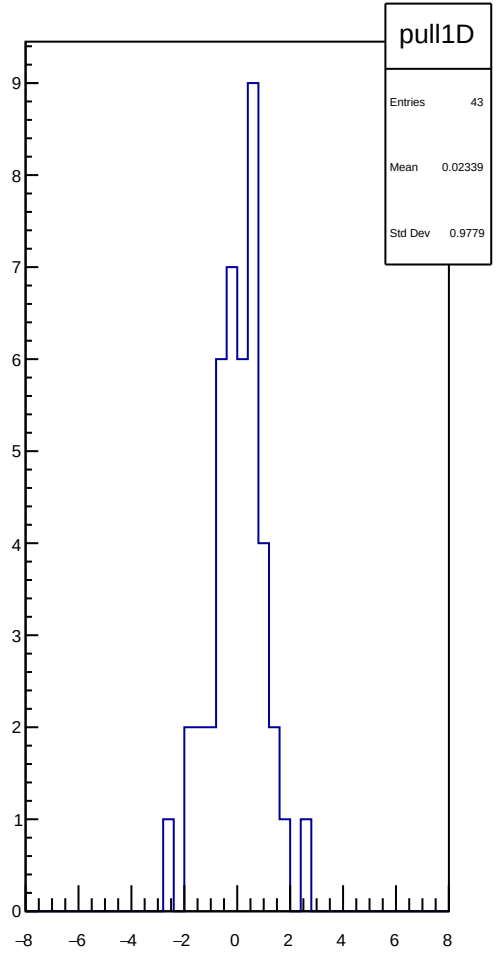

asym_sam_15_dd_cor_correction_rms vs run
χ² / ndf 5260 / 42
p0 750.4 ± 0.8275
850
800
750
700
650
600
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

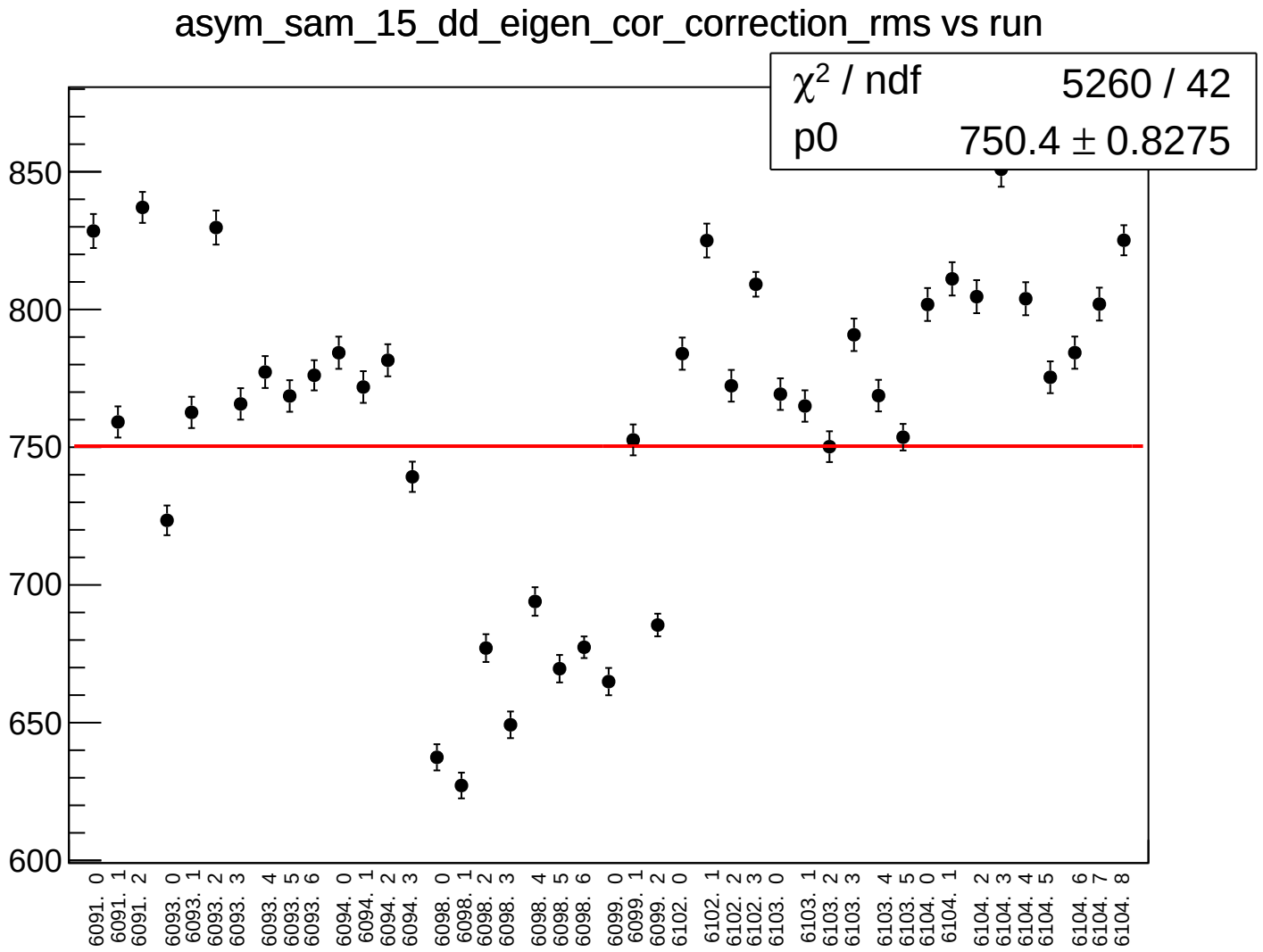

eigen_cor_asym_sam_15_dd_mean vs run
χ² / ndf 39.91 / 42
p0 −18.25 ± 133.4
3000
2000
1000
0
−1000
−2000
−3000
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean −208.6
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

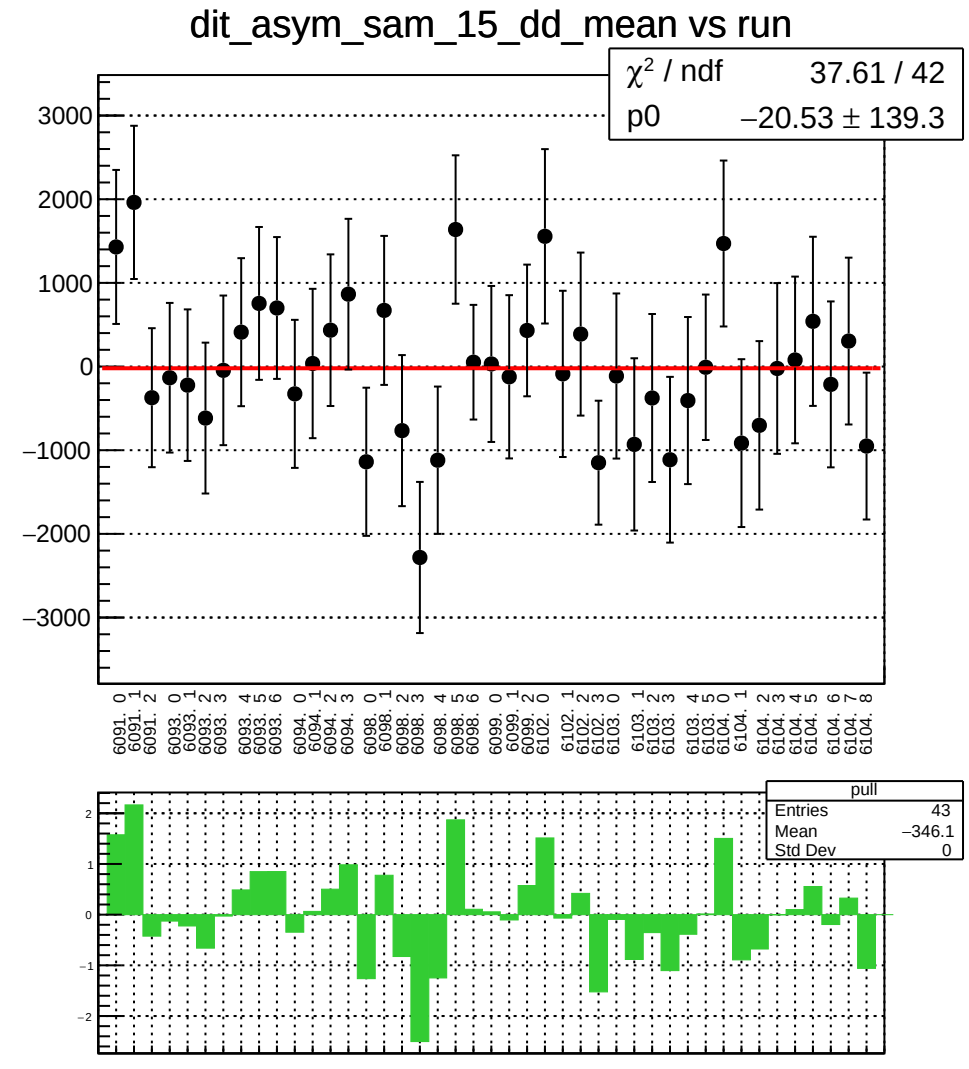

pull1D
Entries 43
Mean 0.01027
Std Dev 0.9633
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

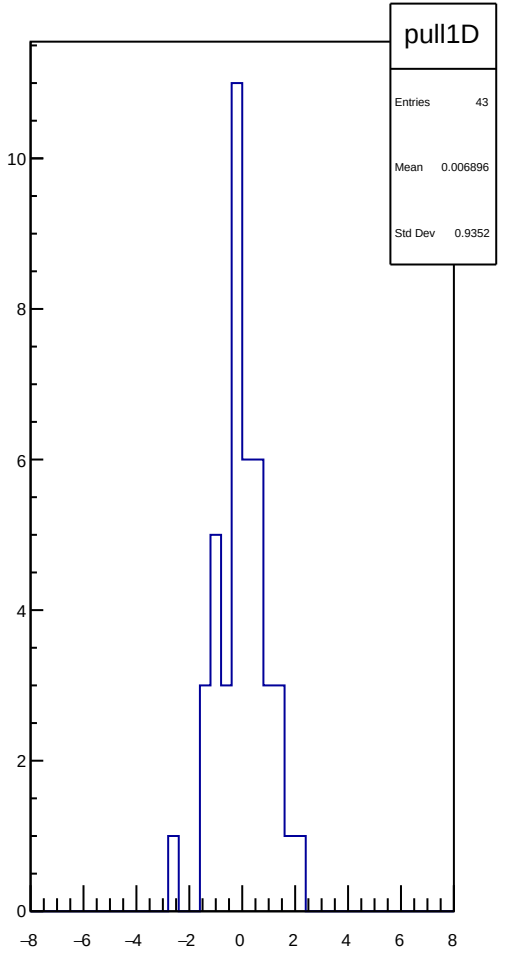

eigen_cor_asym_sam_15_dd_rms vs run
χ² / ndf 1530 / 42
p0 85.71 ± 0.0943
92
90
88
86
84
82
80
78
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

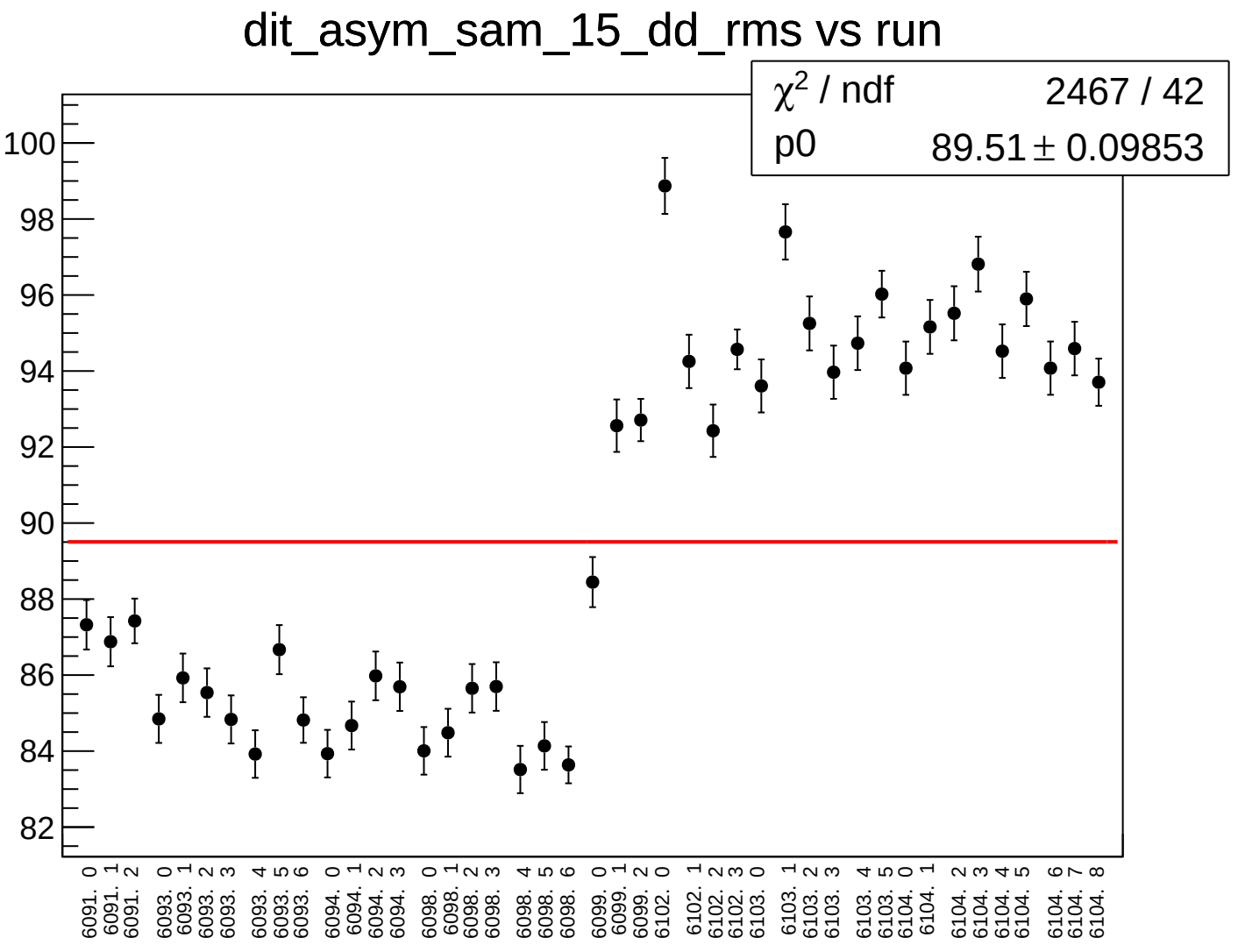

asym_sam_15_dd_eigen_cor_correction_mean vs run
χ² / ndf 41.14 / 42
p0 91.66 ± 1170
30000
20000
10000
0
−10000
−20000
−30000
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean −40.67
Std Dev 0
2
1
0
−1
−2

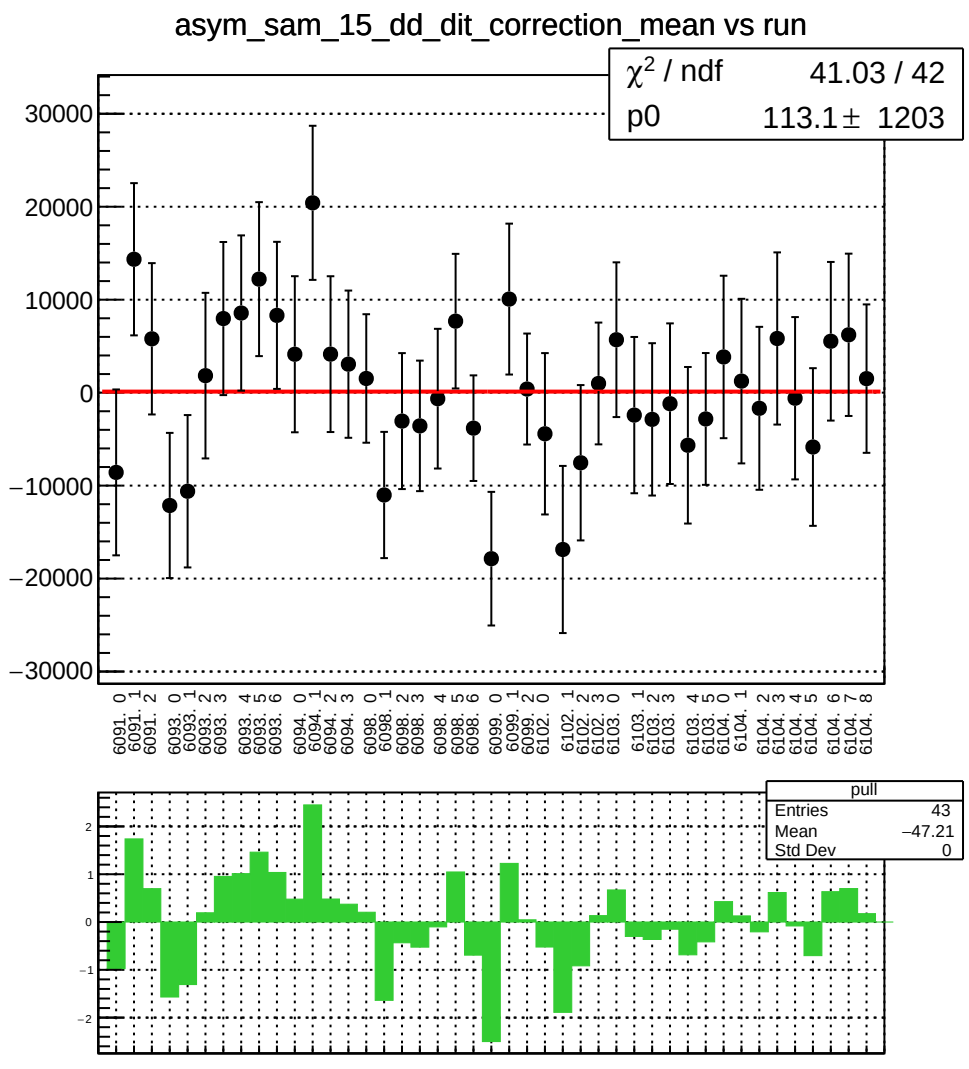

pull1D
Entries 43
Mean 0.02339
Std Dev 0.9779
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

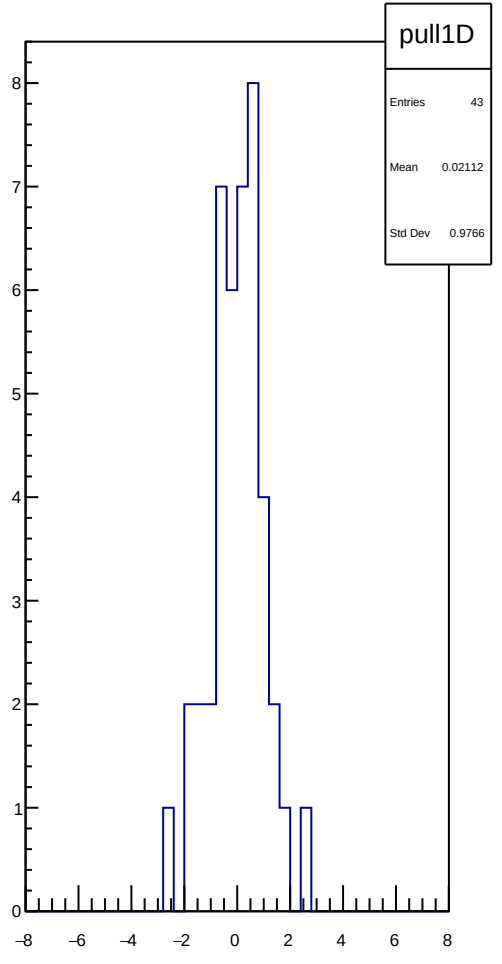

asym_sam_15_dd_eigen_cor_correction_rms vs run
χ² / ndf 5260 / 42
p0 750.4 ± 0.8275
850
800
750
700
650
600
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

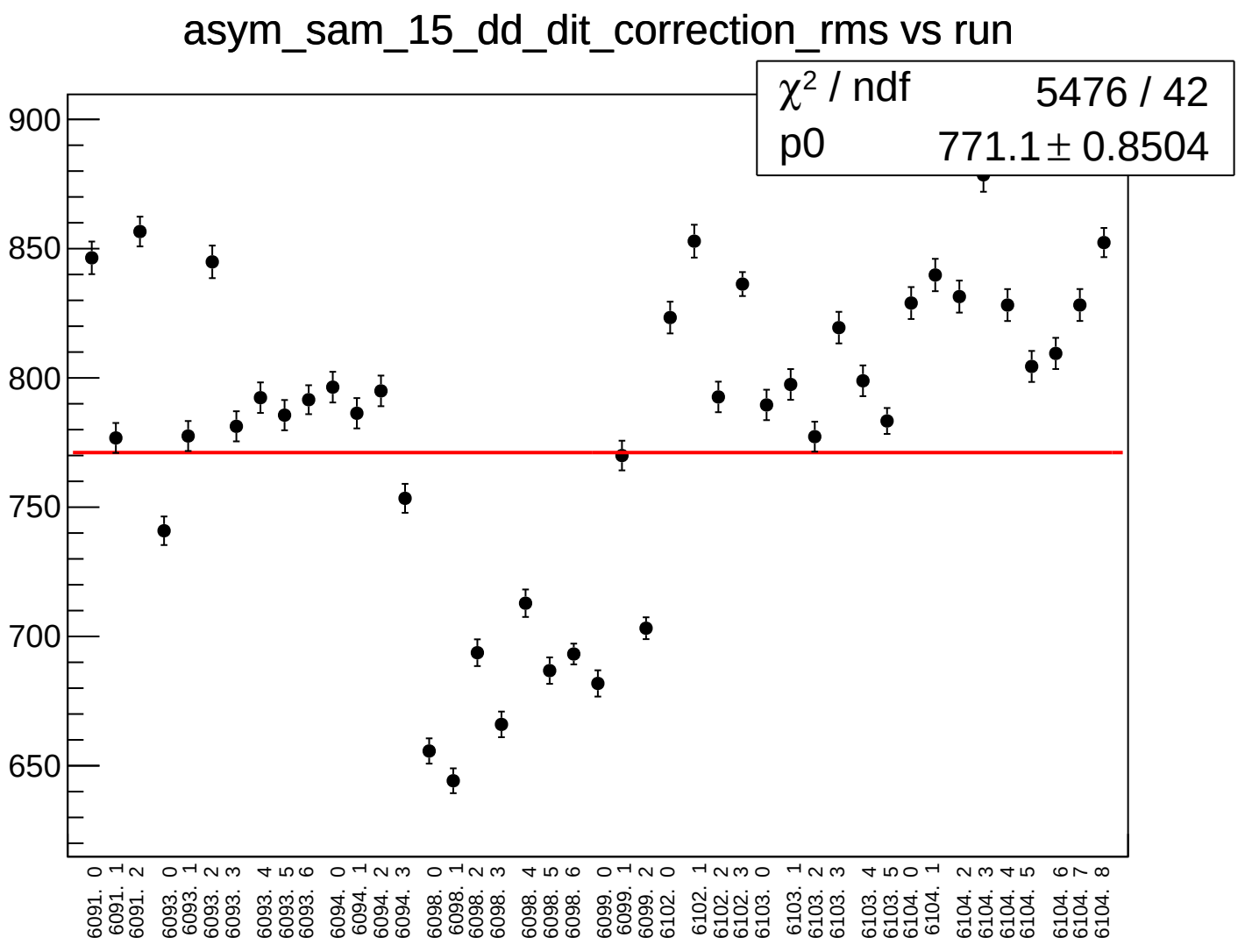

dit_asym_sam_15_dd_mean vs run
χ² / ndf 37.61 / 42
p0 −20.53 ± 139.3
3000
2000
1000
0
−1000
−2000
−3000
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean −346.1
Std Dev 0
2
1
0
−1
−2

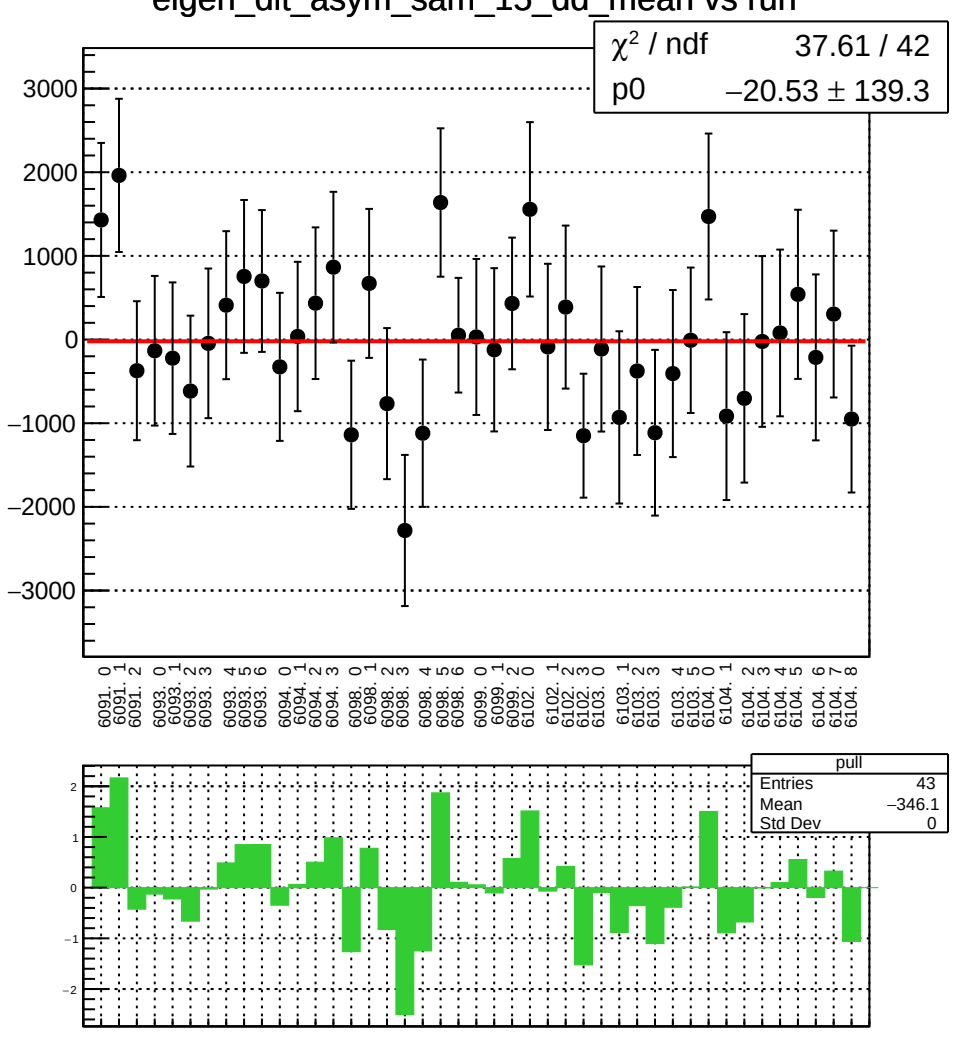

pull1D
Entries 43
Mean 0.006896
Std Dev 0.9352
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

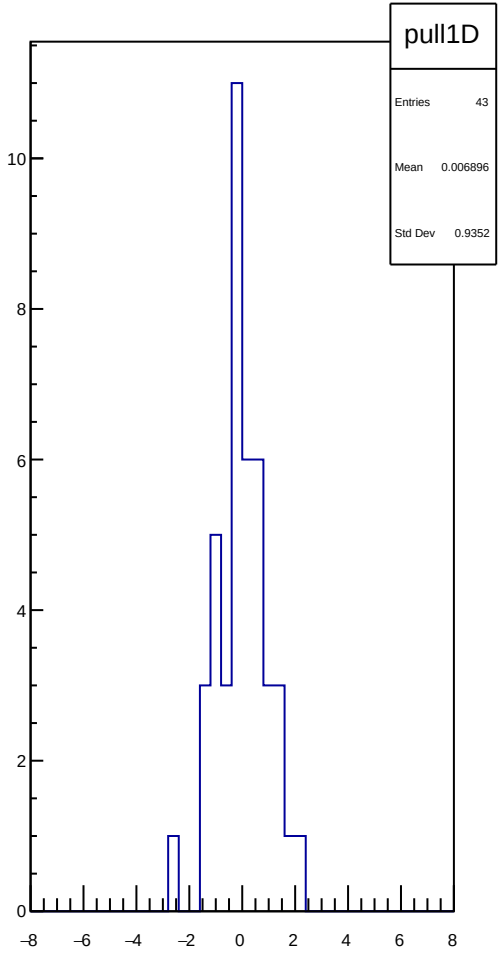

dit_asym_sam_15_dd_rms vs run
χ^2 / ndf 2467 / 42
p0 89.51 ± 0.09853
100
98
96
94
92
90
88
86
84
82
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

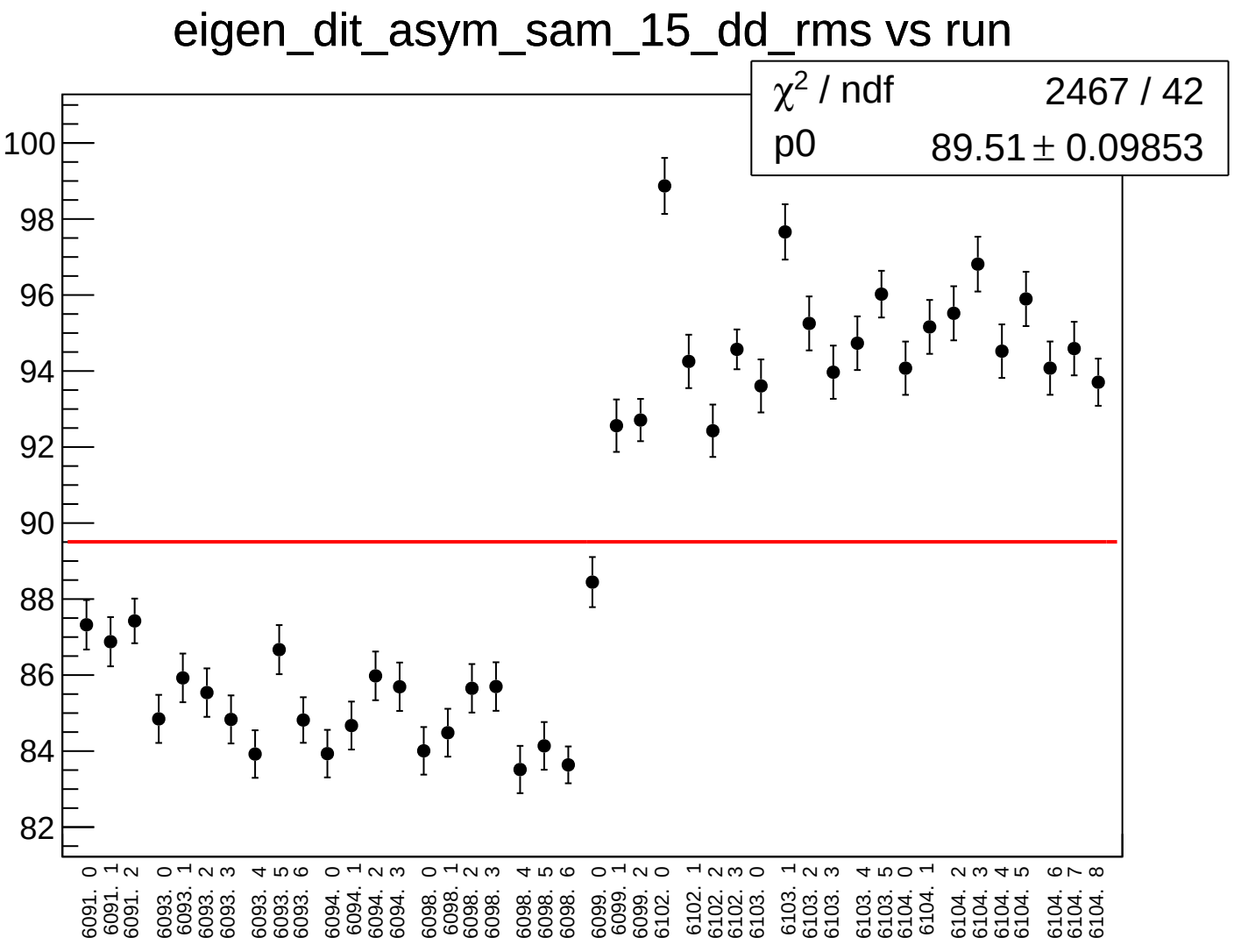

asym_sam_15_dd_dit_correction_mean vs run
χ² / ndf 41.03 / 42
p0 113.1 ± 1203
30000
20000
10000
0
−10000
−20000
−30000
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean −47.21
Std Dev 0
2
1
0
−1
−2

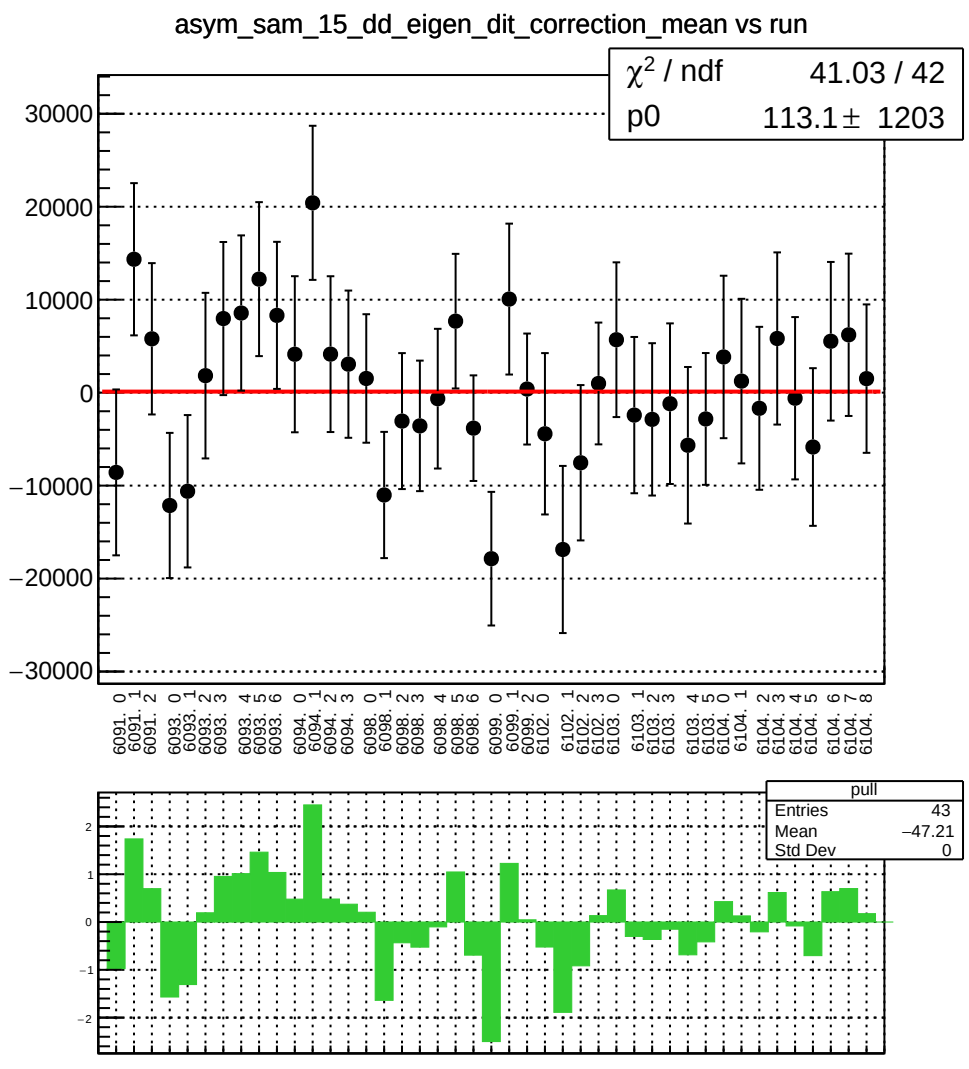

pull1D
Entries 43
Mean 0.02112
Std Dev 0.9766
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


asym_sam_15_dd_dit_correction_rms vs run
χ² / ndf 5476 / 42
p0 771.1 ± 0.8504
900
850
800
750
700
650
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8


eigen_dit_asym_sam_15_dd_mean vs run
χ² / ndf 37.61 / 42
p0 −20.53 ± 139.3
3000
2000
1000
0
−1000
−2000
−3000
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean −346.1
Std Dev 0
2
1
0
−1
−2


pull1D
Entries 43
Mean 0.006896
Std Dev 0.9352
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


eigen_dit_asym_sam_15_dd_rms vs run
χ² / ndf 2467 / 42
p0 89.51 ± 0.09853
100
98
96
94
92
90
88
86
84
82
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8


asym_sam_15_dd_eigen_dit_correction_mean vs run
χ² / ndf 41.03 / 42
p0 113.1 ± 1203
30000
20000
10000
0
−10000
−20000
−30000
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
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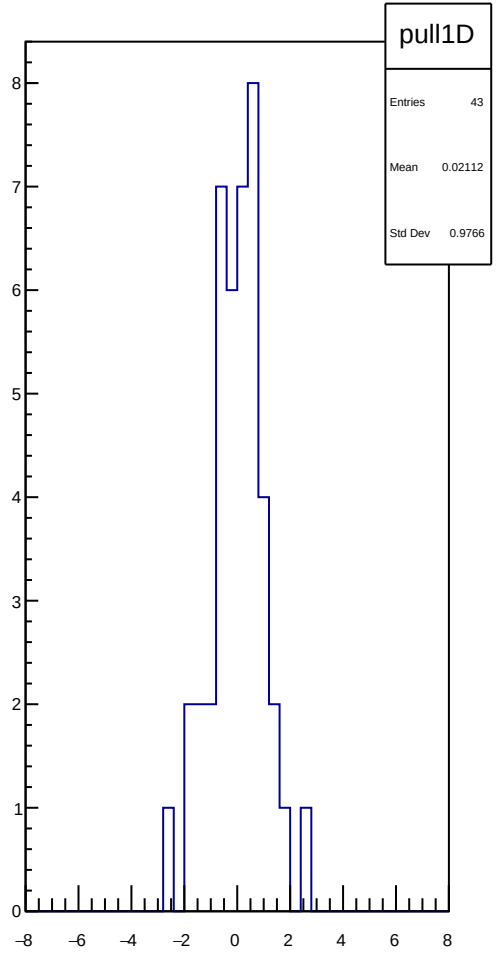
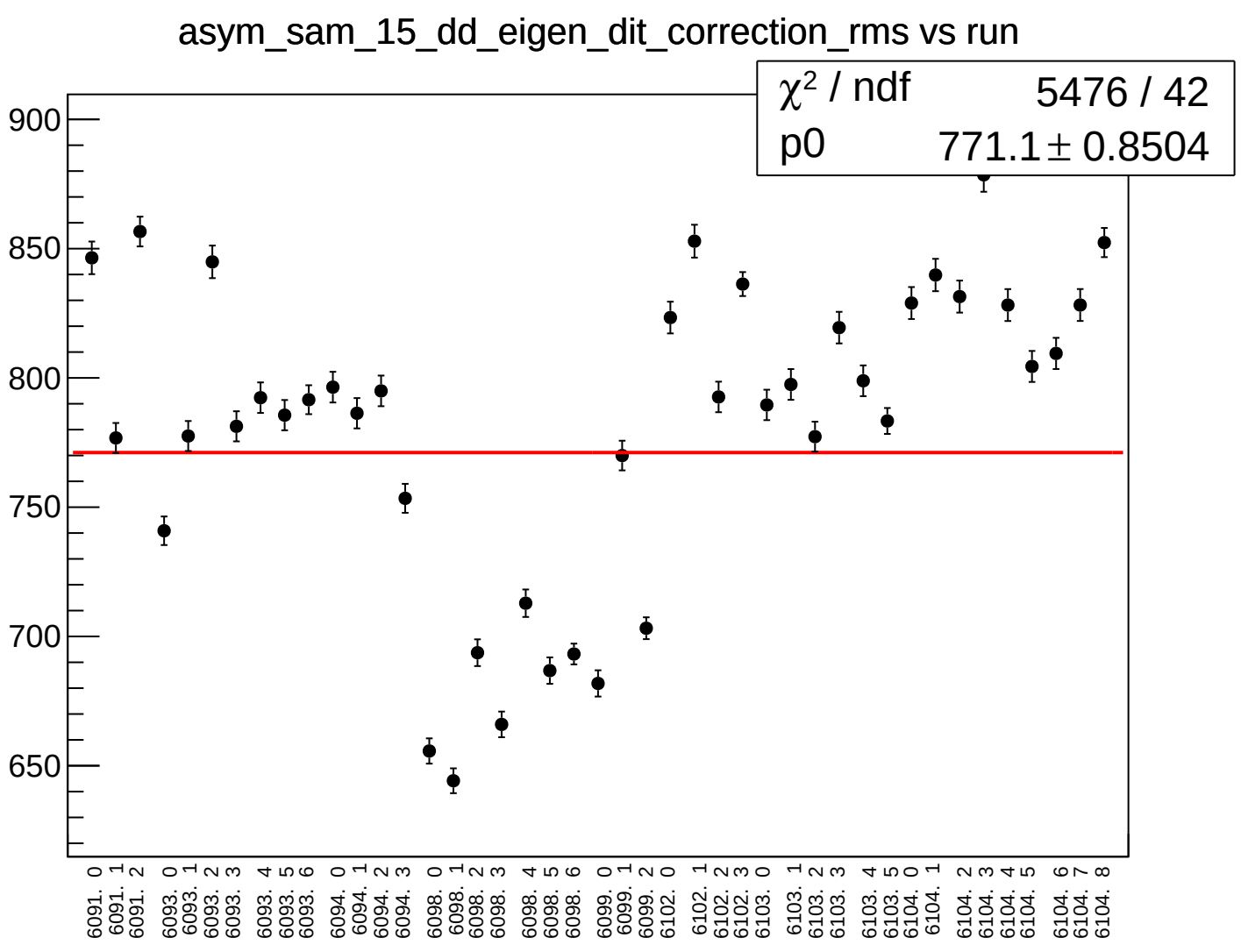
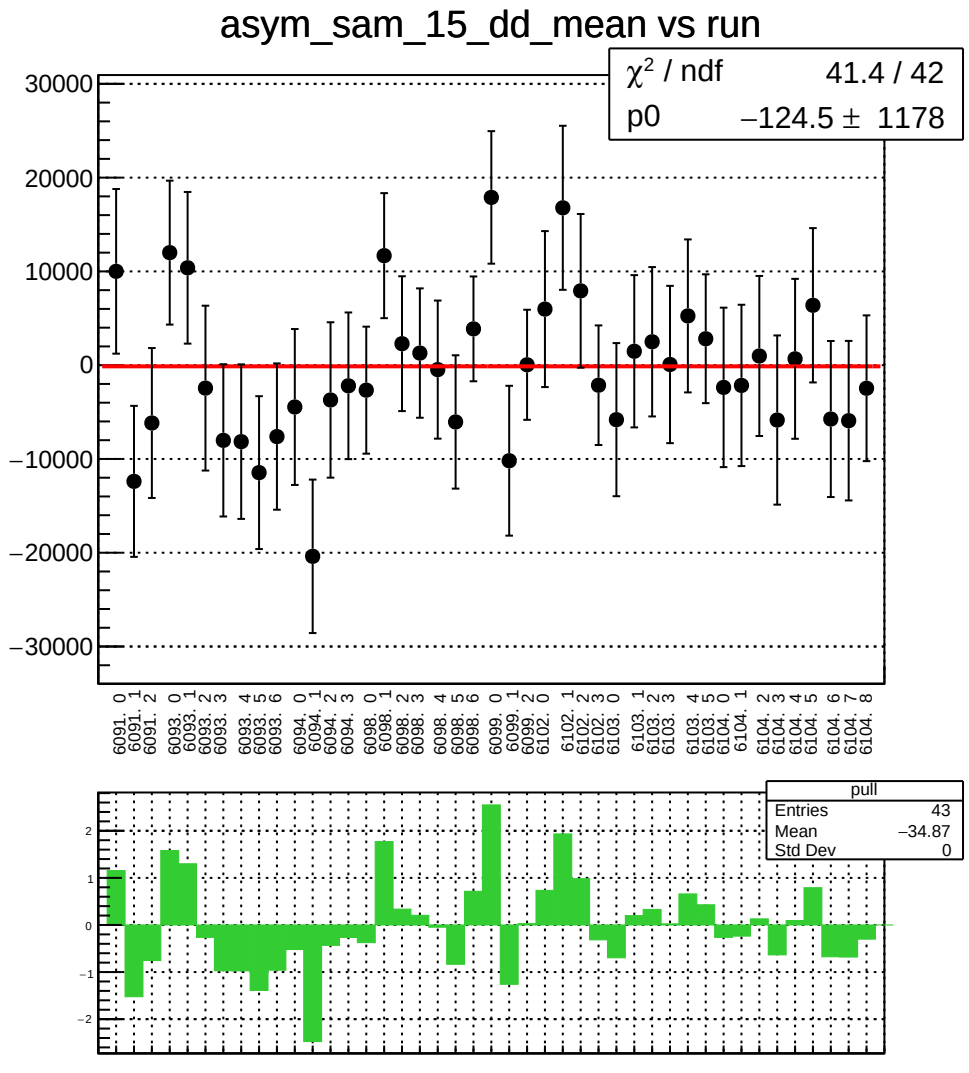
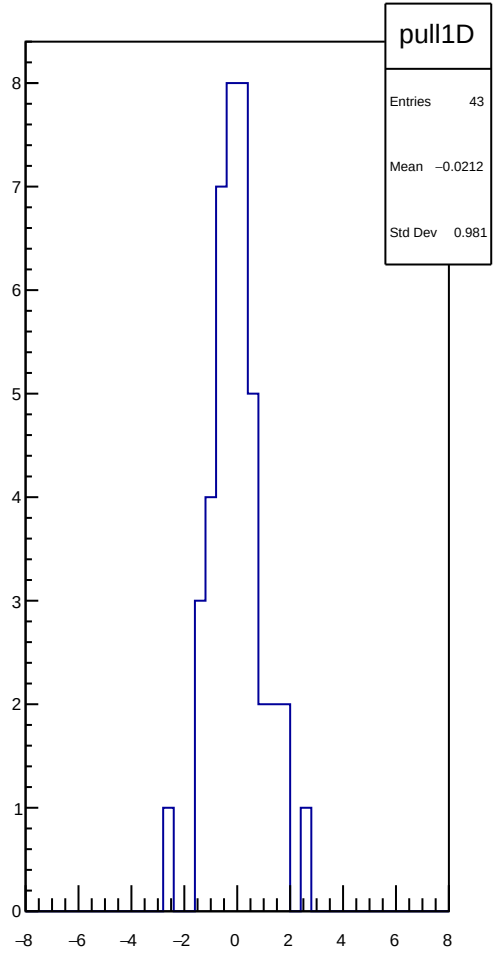
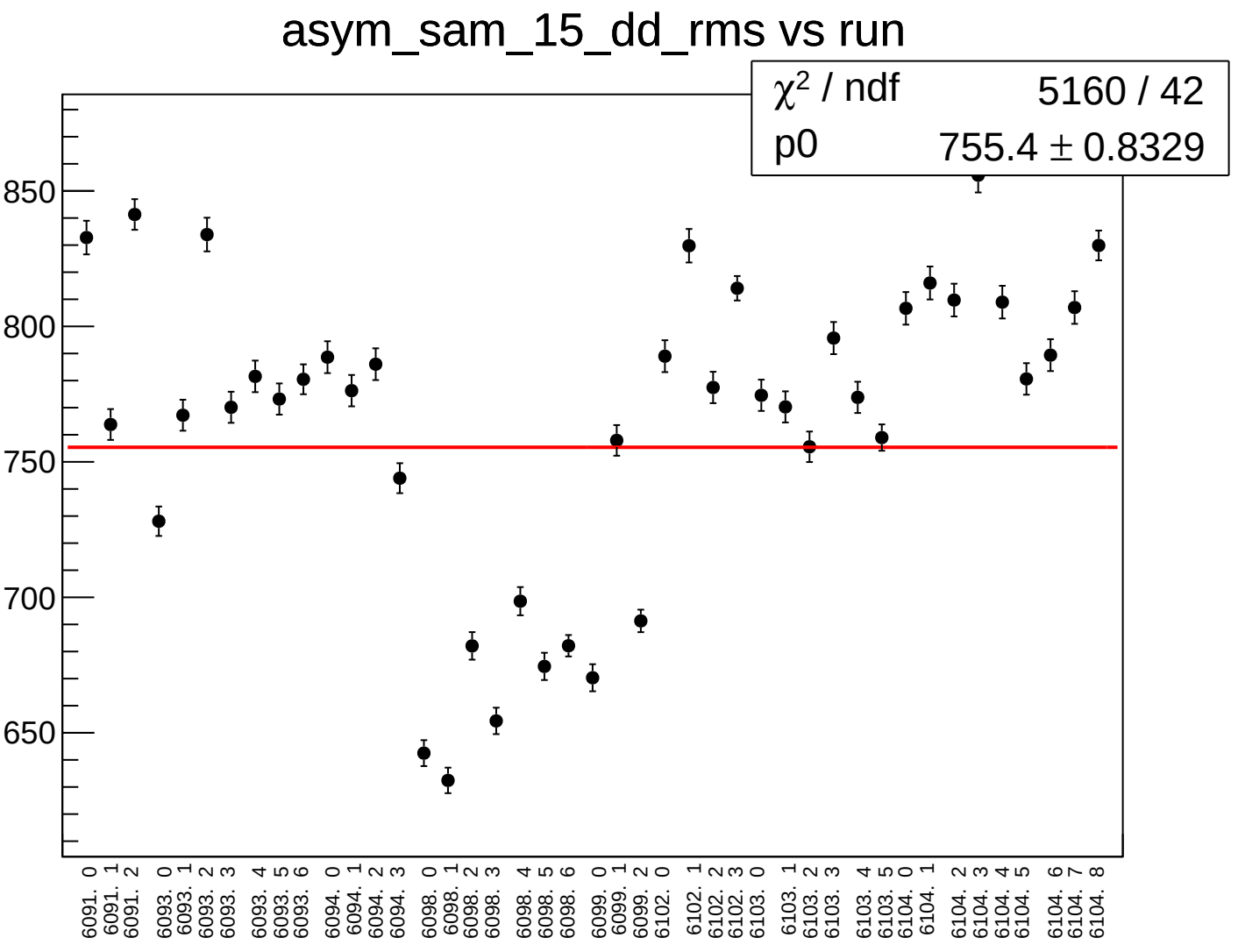
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean −47.21
Std Dev 0
2
1
0
−1
−2

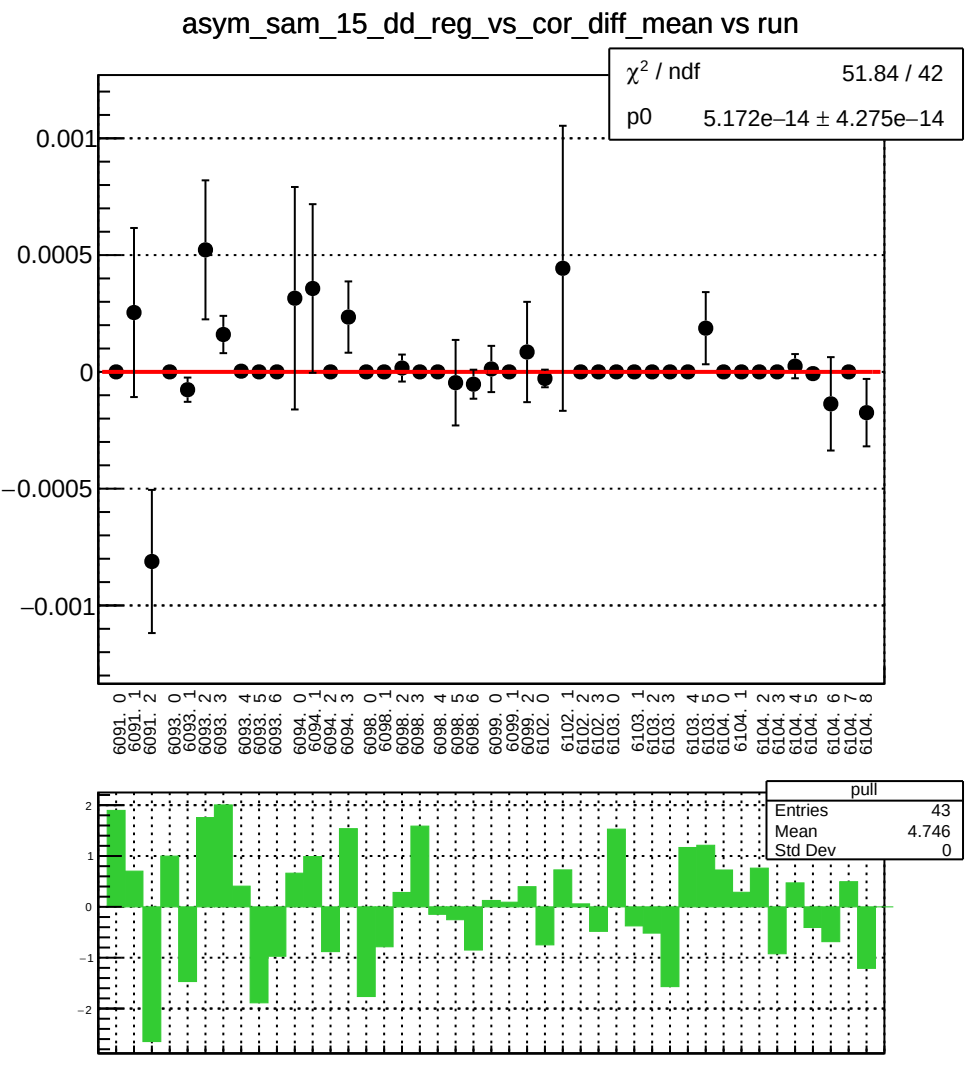

pull1D
Entries 43
Mean 0.02112
Std Dev 0.9766
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

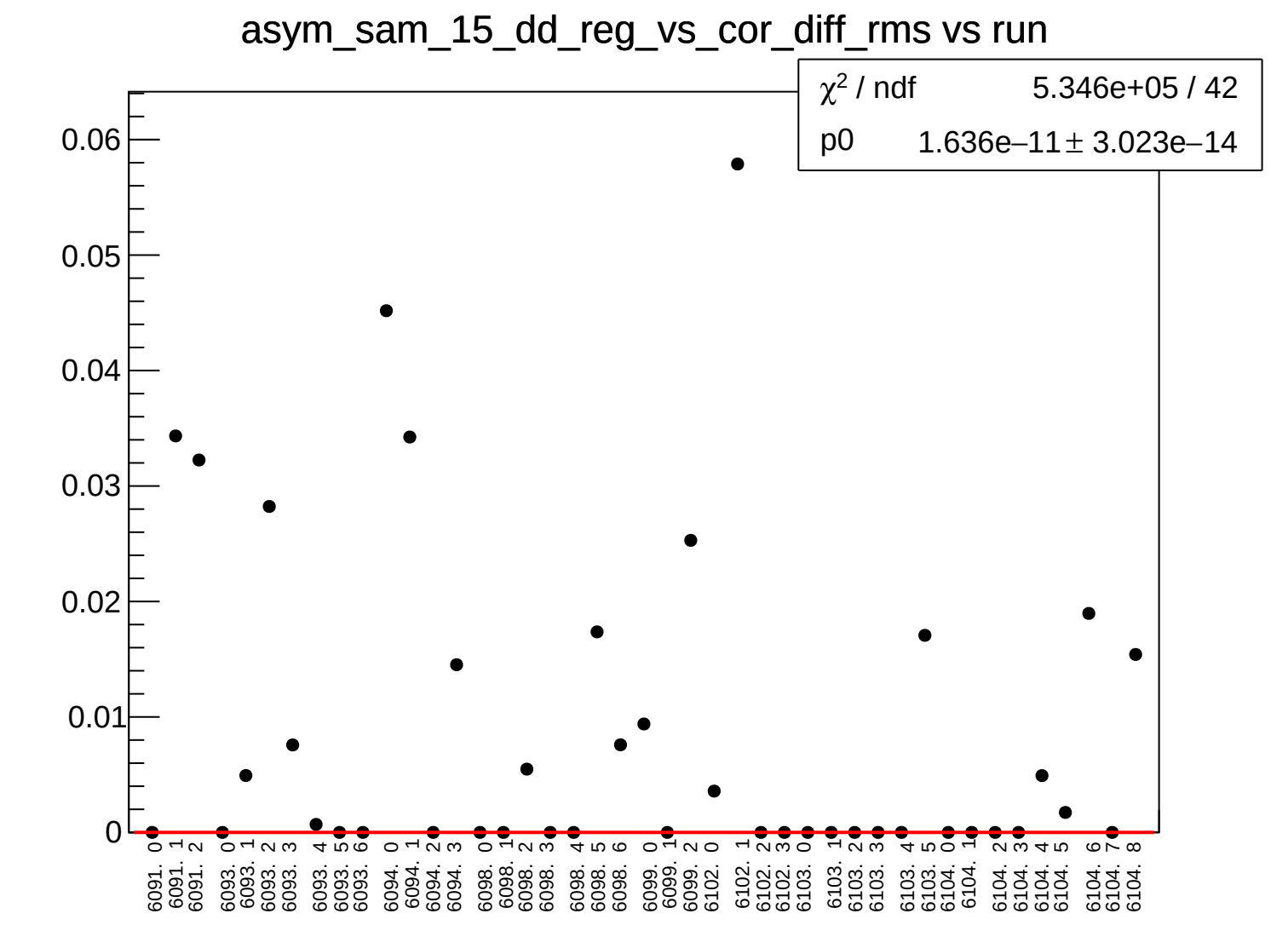

asym_sam_15_dd_eigen_dit_correction_rms vs run
χ² / ndf 5476 / 42
p0 771.1 ± 0.8504
900
850
800
750
700
650
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

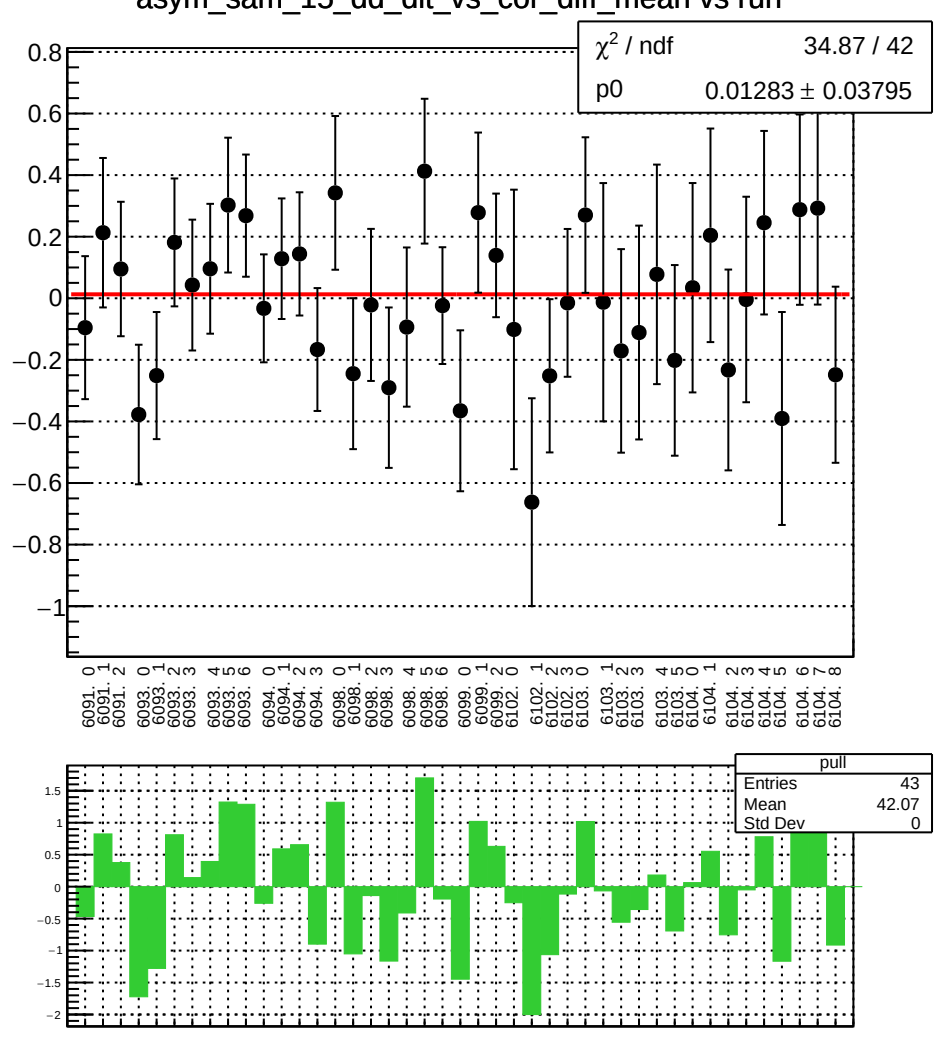

asym_sam_15_dd_mean vs run
χ² / ndf 41.4 / 42
p0 −124.5 ± 1178
30000
20000
10000
0
−10000
−20000
−30000
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean −34.87
Std Dev 0
2
1
0
−1
−2

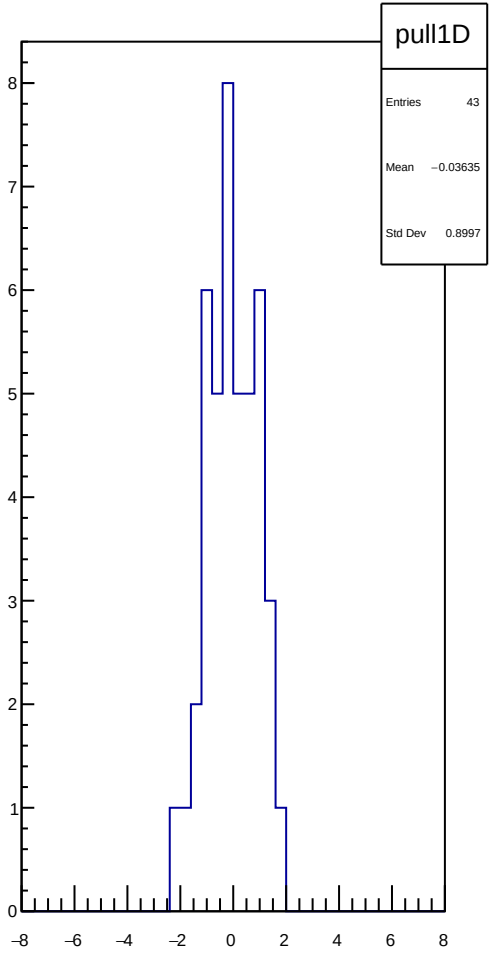

pull1D
Entries 43
Mean −0.0212
Std Dev 0.981
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

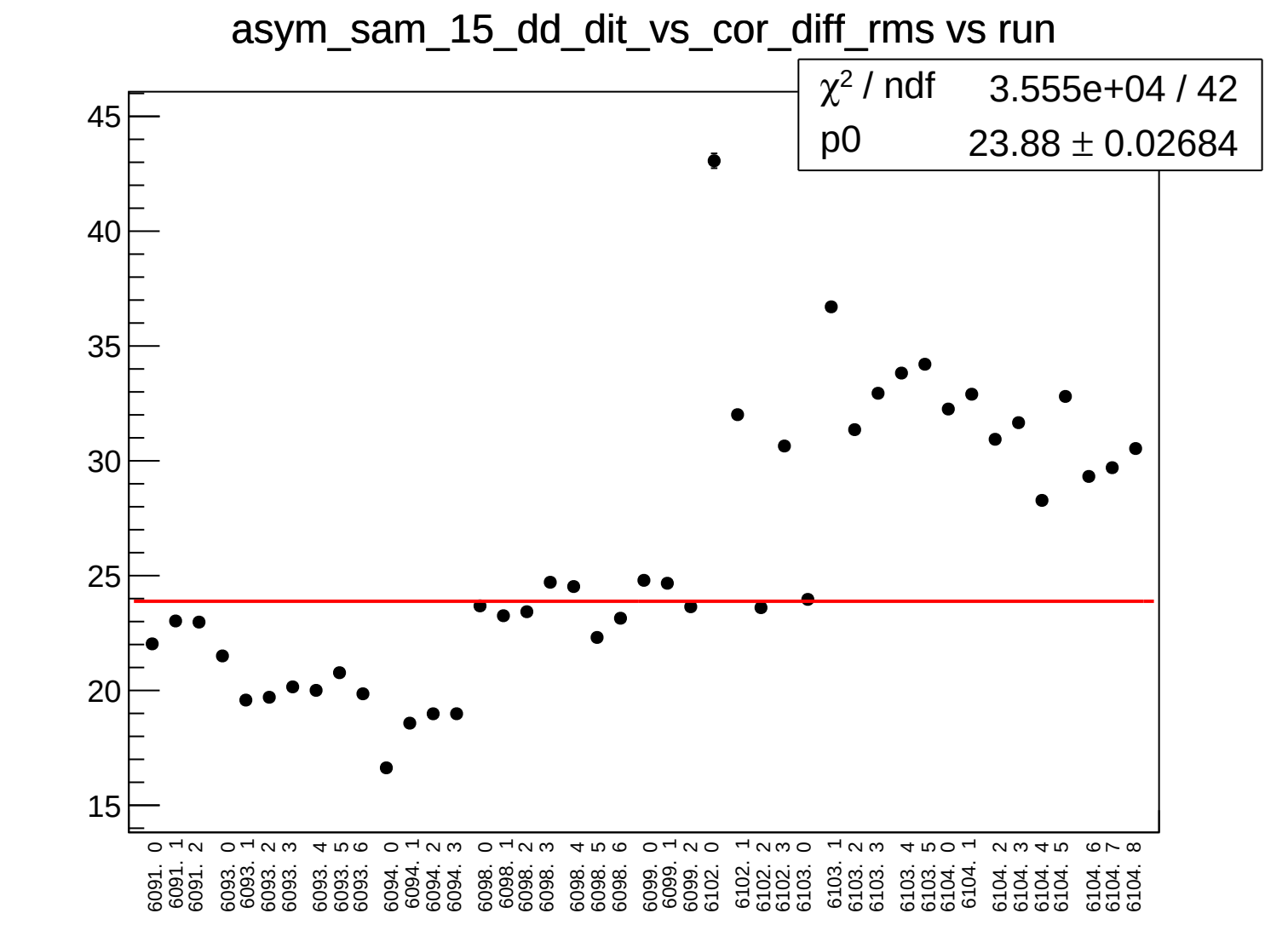

asym_sam_15_dd_rms vs run
χ² / ndf 5160 / 42
p0 755.4 ± 0.8329
850
800
750
700
650
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

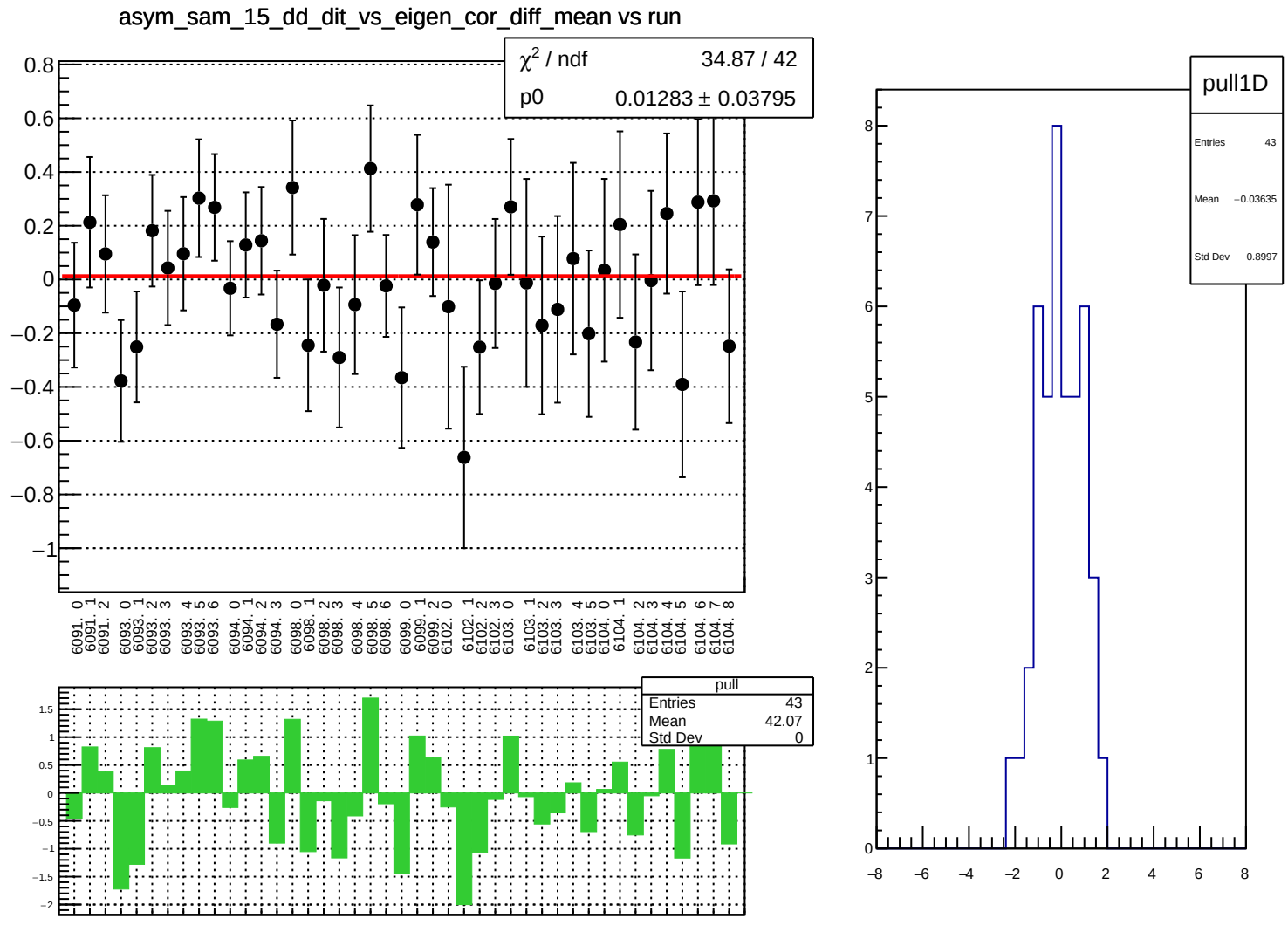

asym_sam_15_dd_reg_vs_cor_diff_mean vs run
χ² / ndf 51.84 / 42
p0 5.172e−14 ± 4.275e−14
0.001
0.0005
0
−0.0005
−0.001
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 4.746
Std Dev 0
2
1
0
−1
−2
pull1D
Entries 43
Mean 0.05369
Std Dev 1.097
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

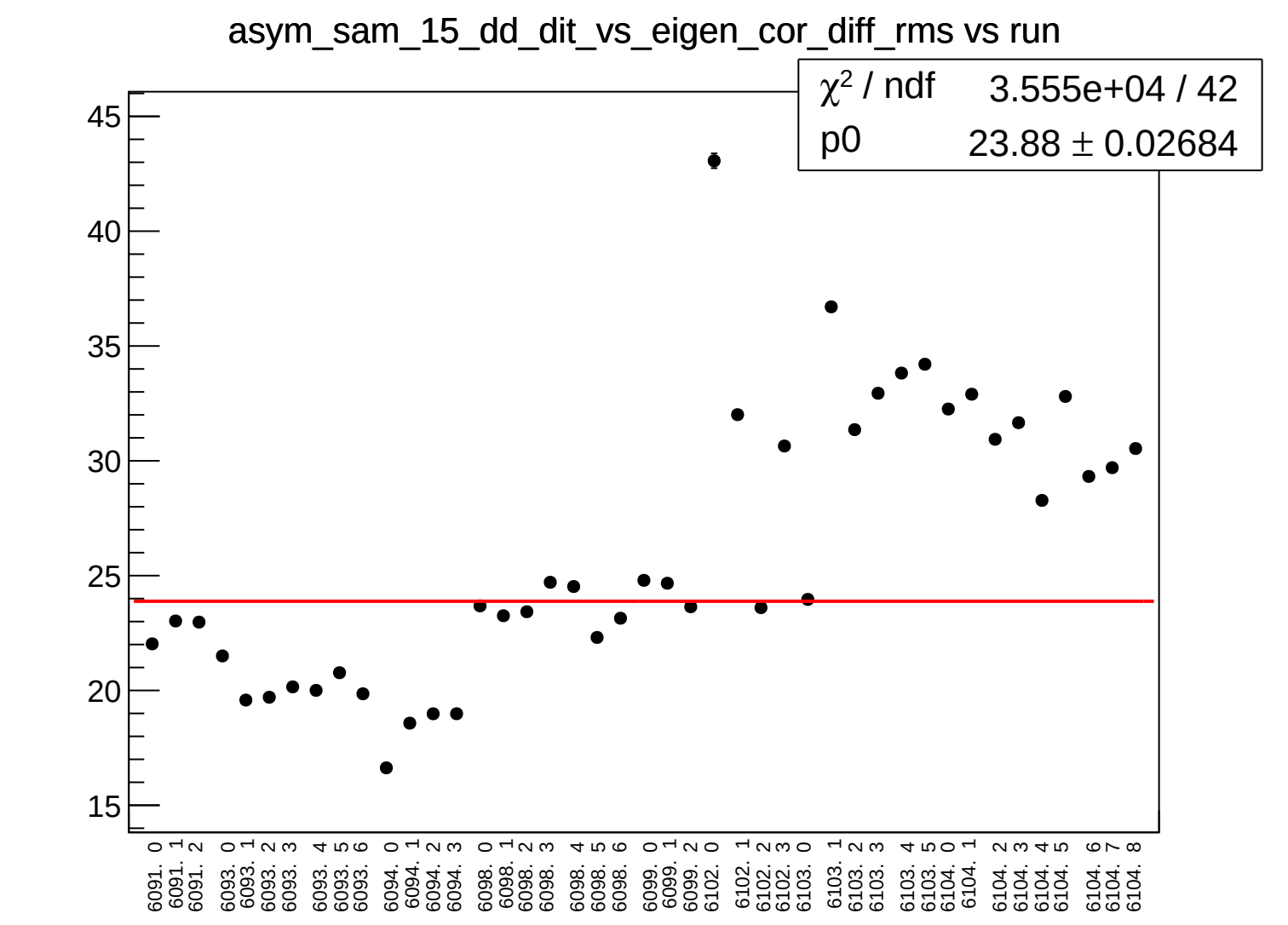

asym_sam_15_dd_reg_vs_cor_diff_rms vs run
χ² / ndf 5.346e+05 / 42
p0 1.636e−11 ± 3.023e−14
0.06
0.05
0.04
0.03
0.02
0.01
0
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

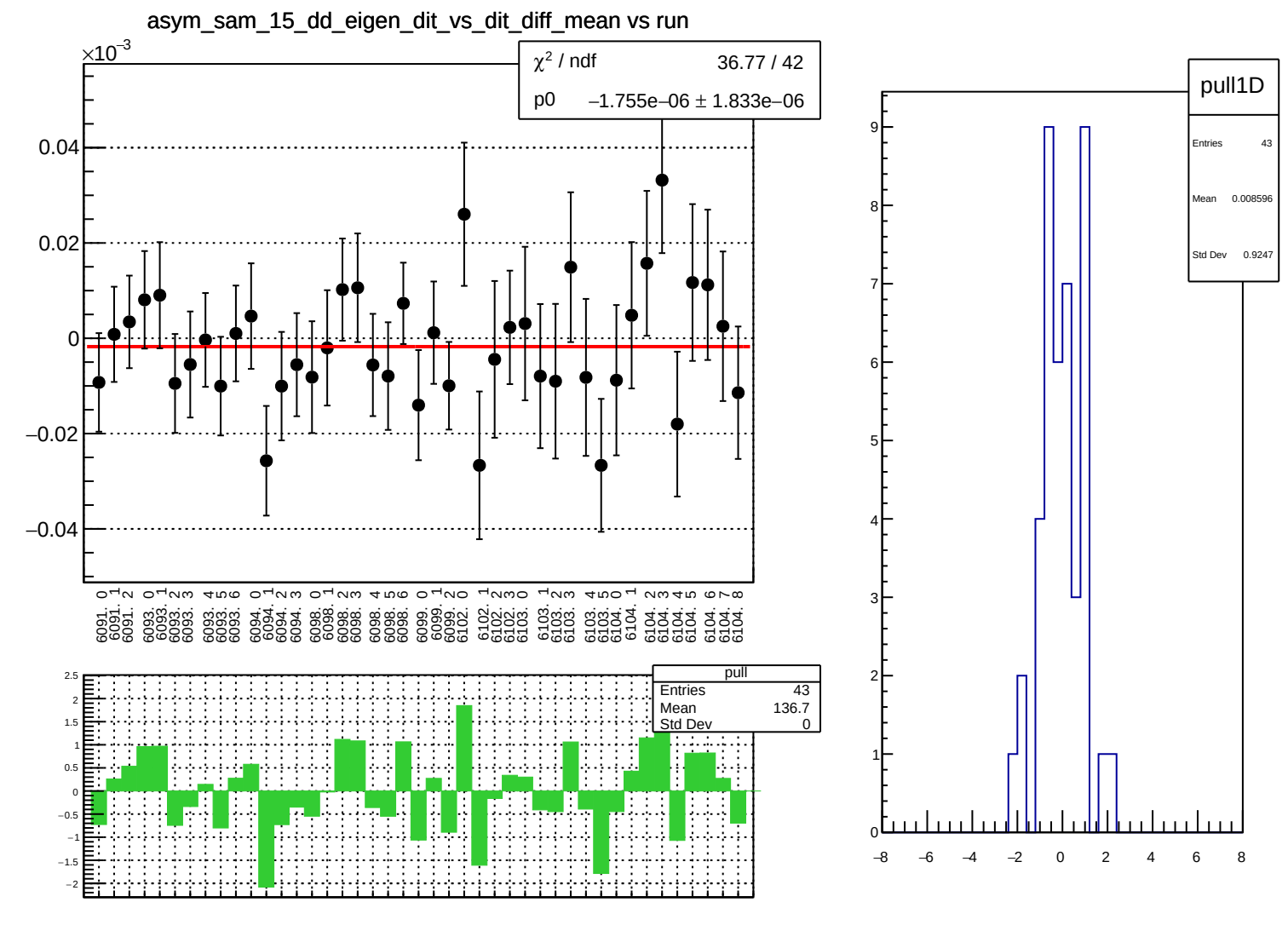

asym_sam_15_dd_dit_vs_cor_diff_mean vs run
χ² / ndf 34.87 / 42
p0 0.01283 ± 0.03795
pull
Entries 43
Mean 42.07
Std Dev 0

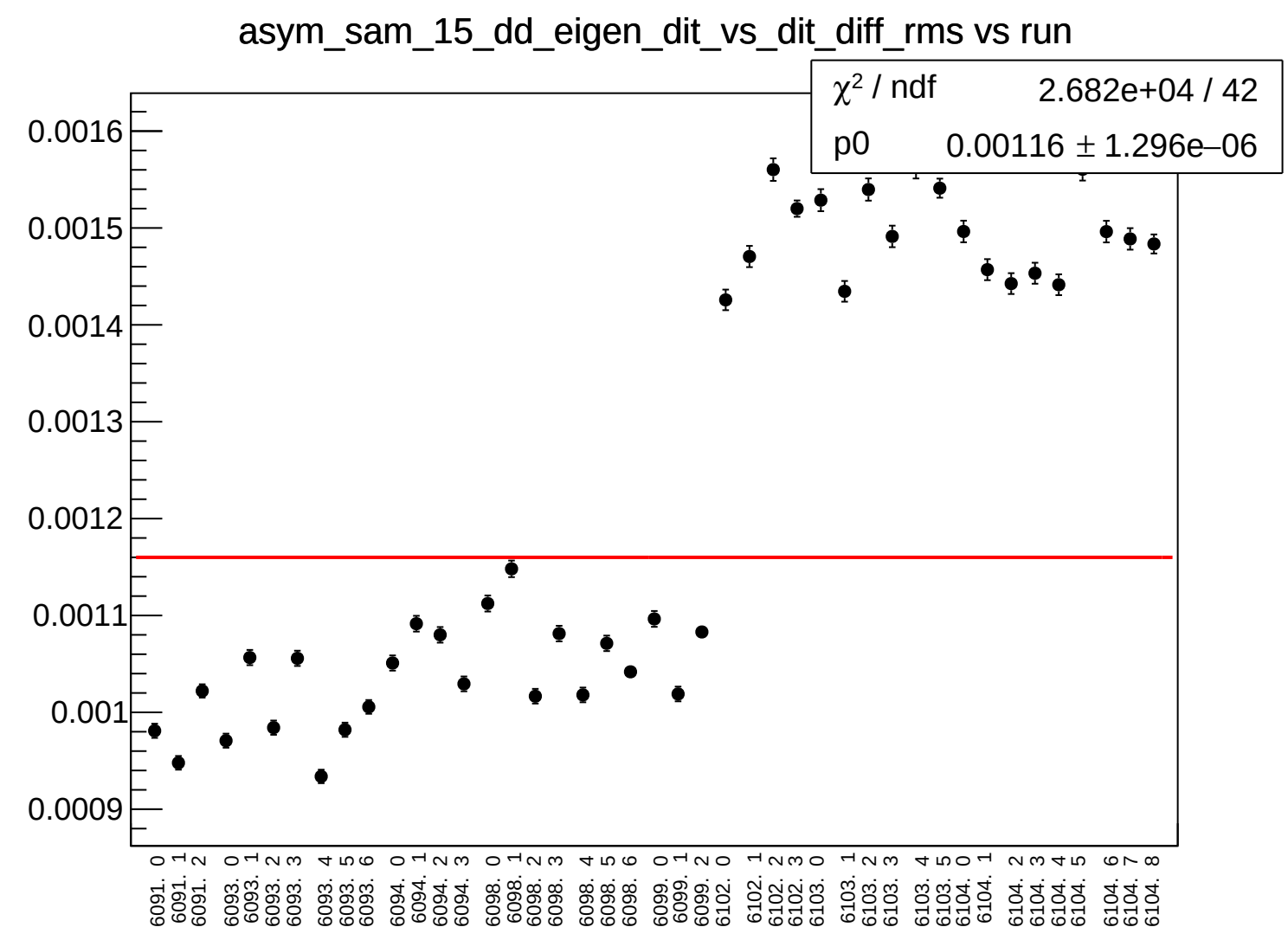

pull1D
Entries 43
Mean −0.03635
Std Dev 0.8997

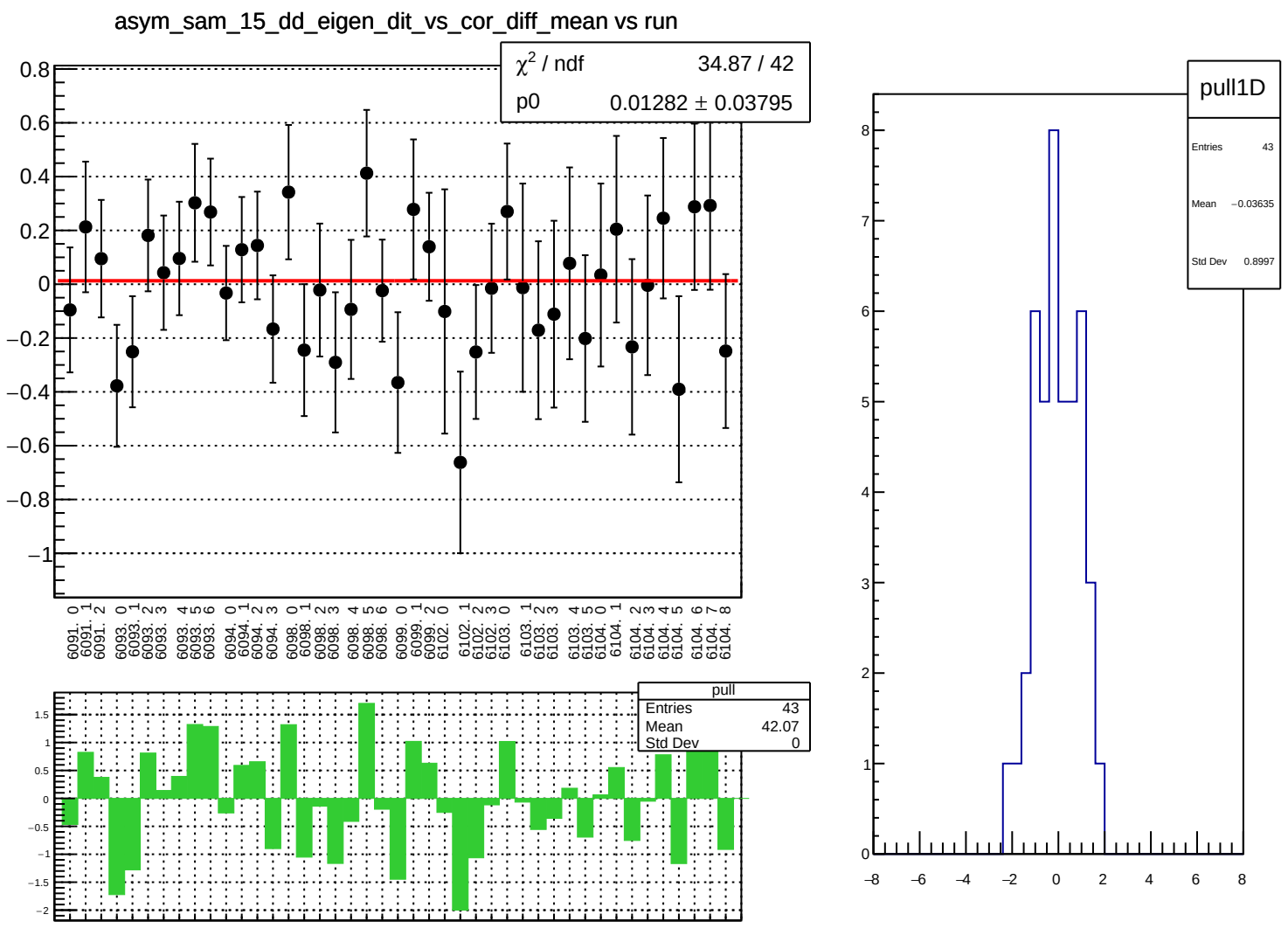

asym_sam_15_dd_dit_vs_cor_diff_rms vs run
χ² / ndf 3.555e+04 / 42
p0 23.88 ± 0.02684
45
40
35
30
25
20
15
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

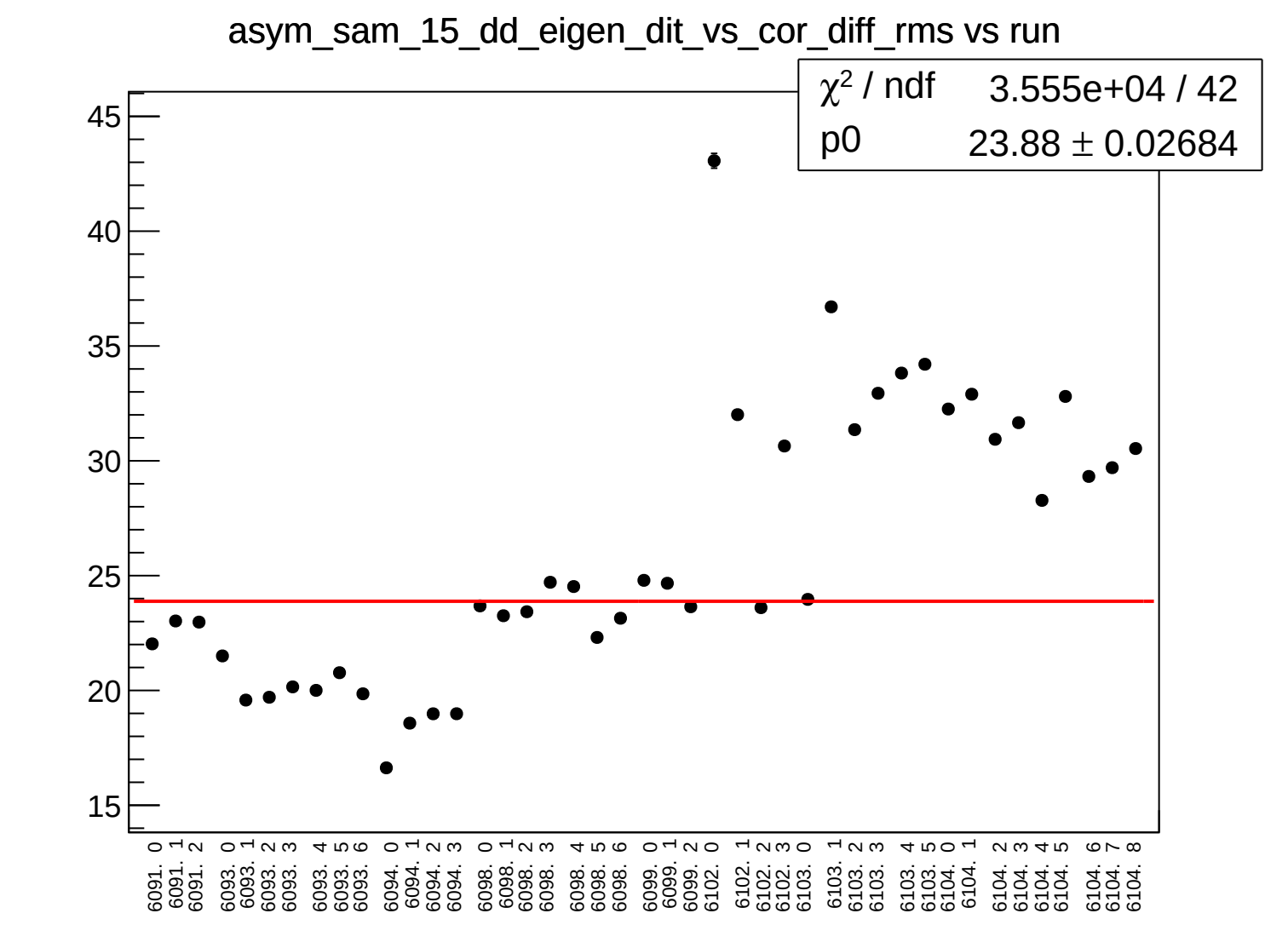

asym_sam_15_dd_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 34.87 / 42
p0 0.01283 ± 0.03795
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
−1
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 42.07
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 43
Mean −0.03635
Std Dev 0.8997
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

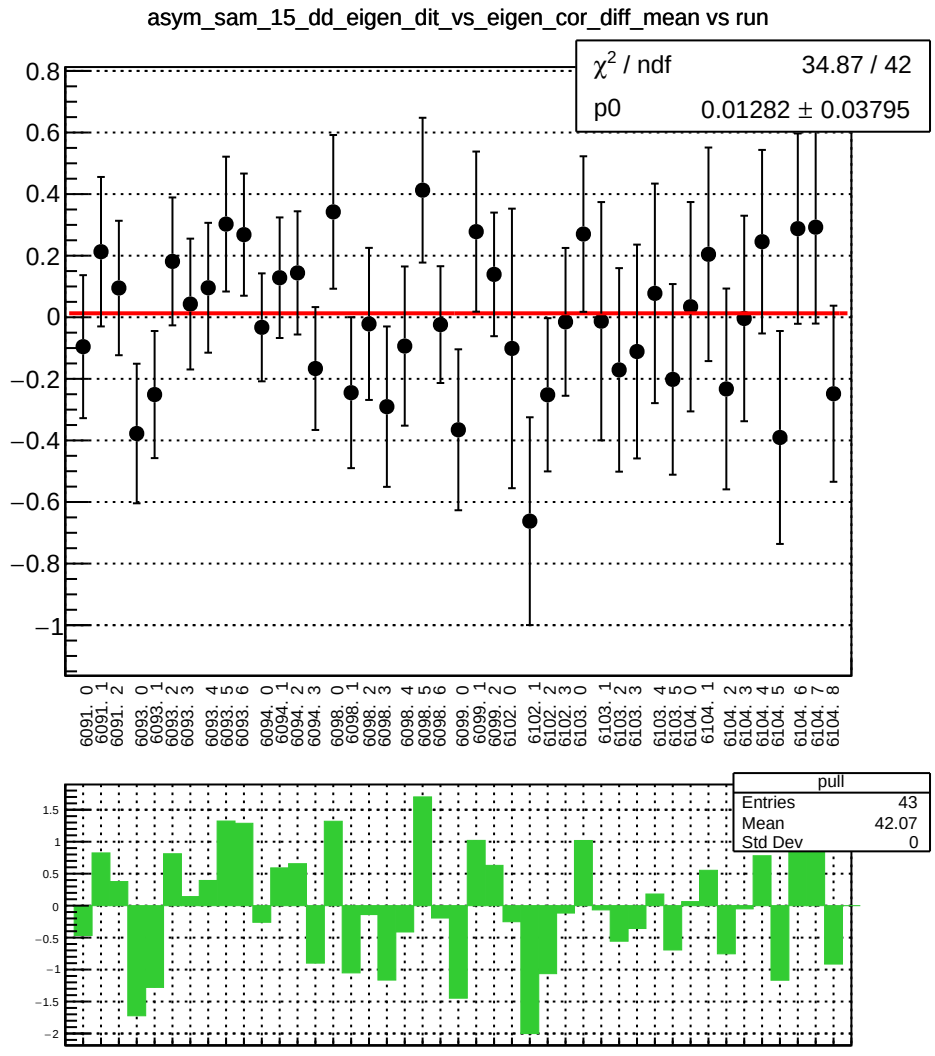

asym_sam_15_dd_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 3.555e+04 / 42
p0 23.88 ± 0.02684
45
40
35
30
25
20
15
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

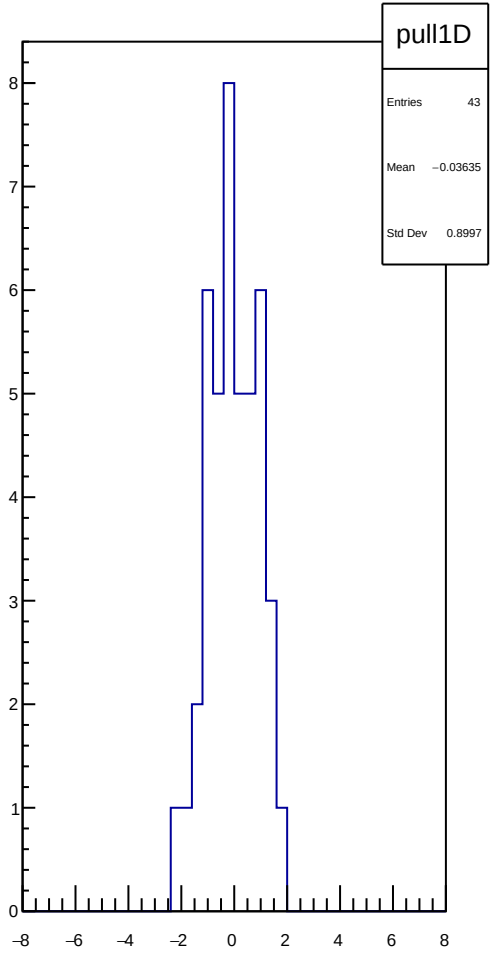

asym_sam_15_dd_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 36.77 / 42
p0 −1.755e−06 ± 1.833e−06
0.04
0.02
0
−0.02
−0.04
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 136.7
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 43
Mean 0.008596
Std Dev 0.9247
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

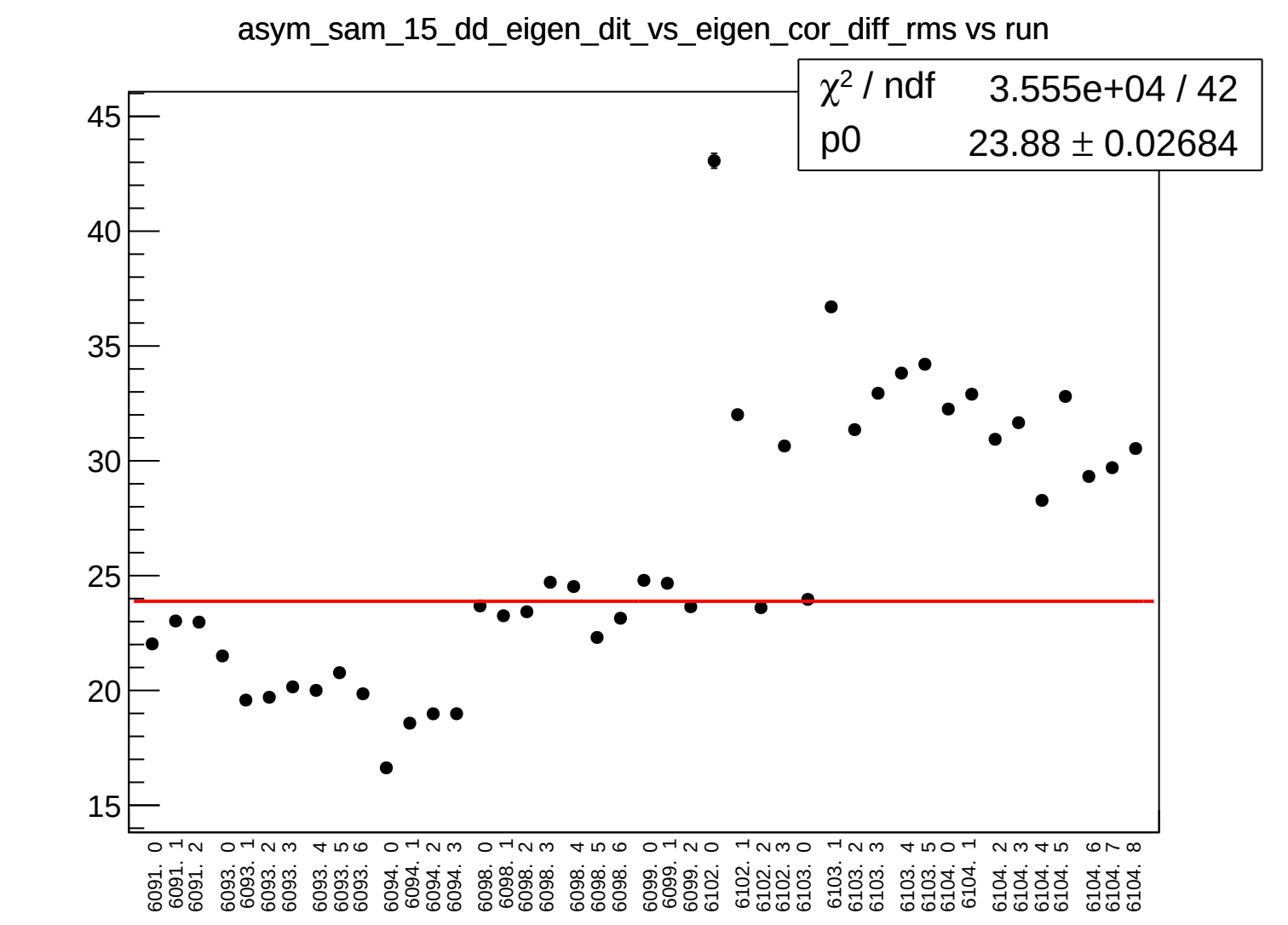

asym_sam_15_dd_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 2.682e+04 / 42
p0 0.00116 ± 1.296e−06
0.0016
0.0015
0.0014
0.0013
0.0012
0.0011
0.001
0.0009
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

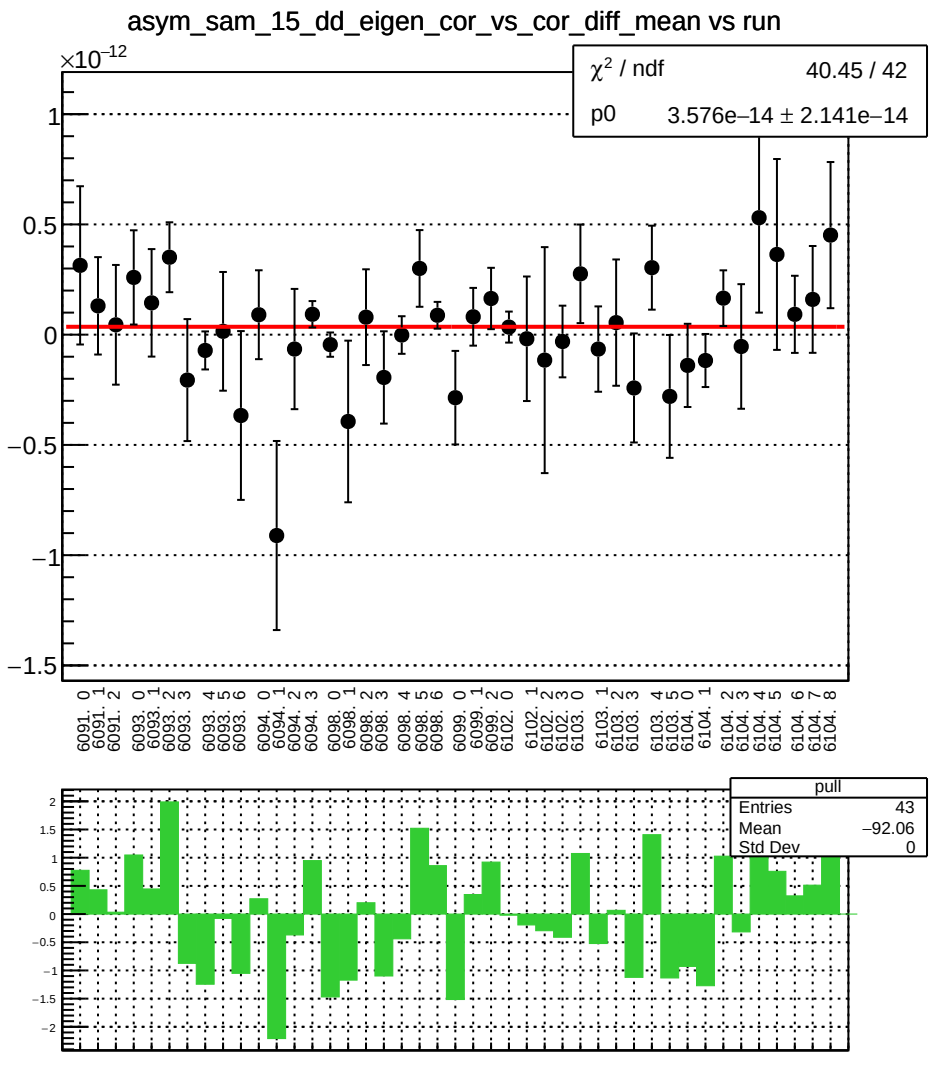

asym_sam_15_dd_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 34.87 / 42
p0 0.01282 ± 0.03795
pull
Entries 43
Mean 42.07
Std Dev 0
pull1D
Entries 43
Mean −0.03635
Std Dev 0.8997

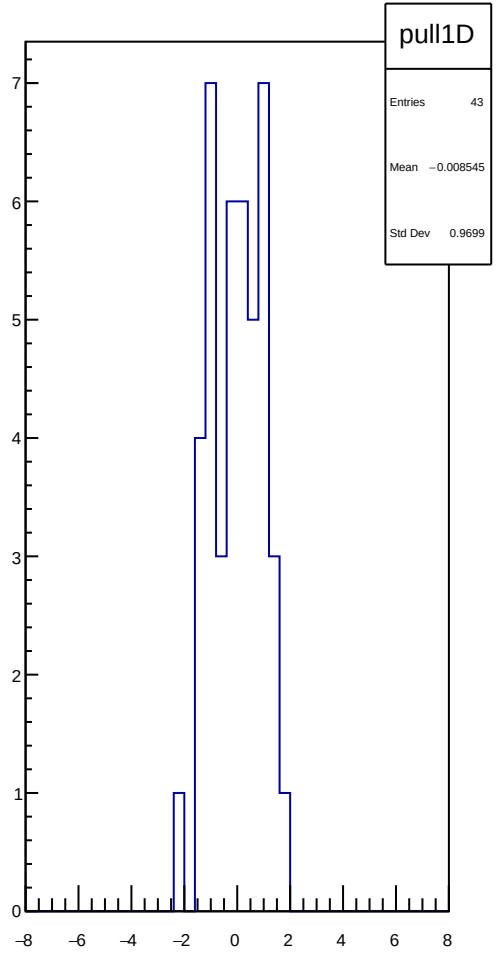

asym_sam_15_dd_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 3.555e+04 / 42
p0 23.88 ± 0.02684
45
40
35
30
25
20
15
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

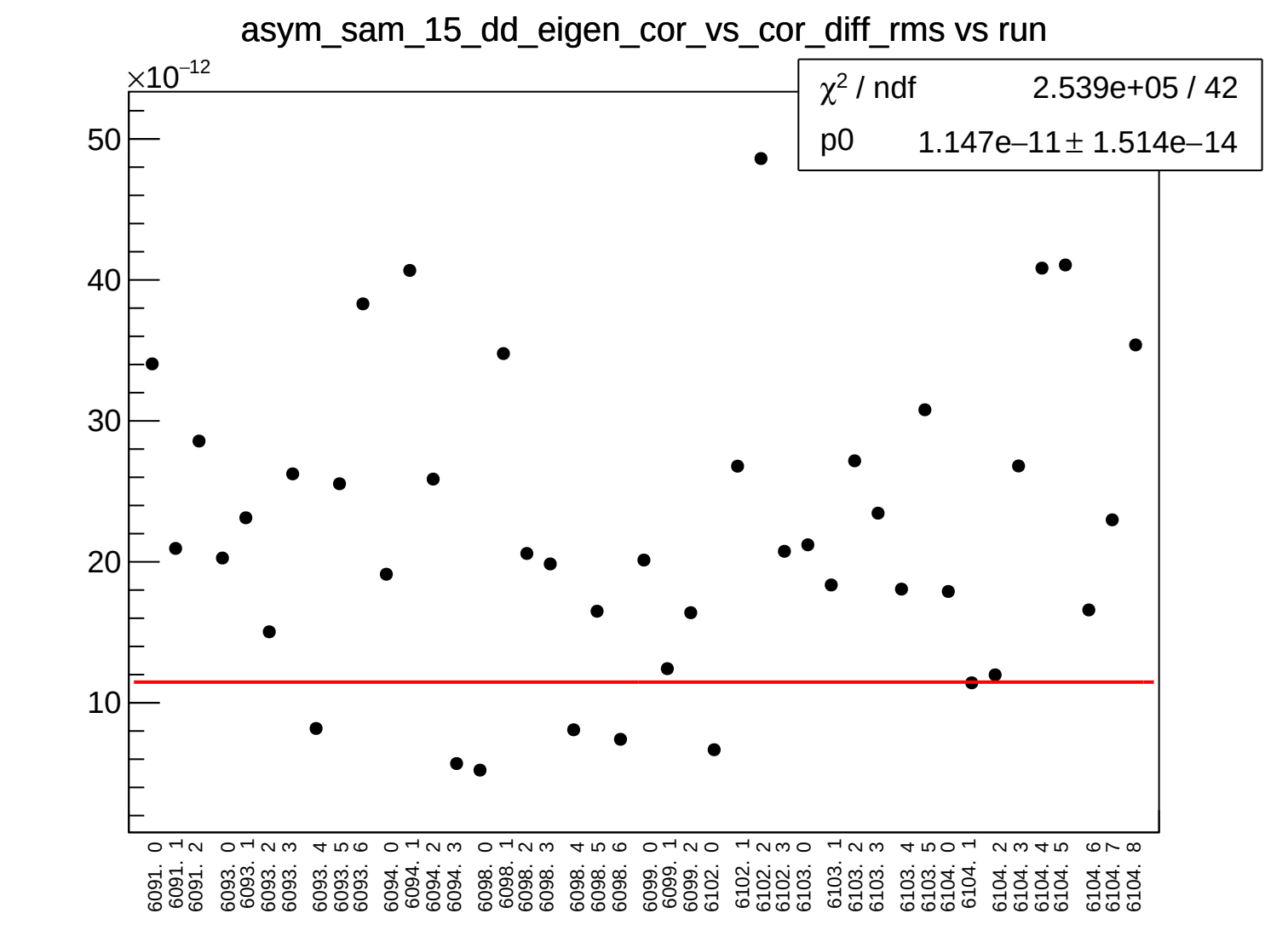

asym_sam_15_dd_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 34.87 / 42
p0 0.01282 ± 0.03795
pull
Entries 43
Mean 42.07
Std Dev 0

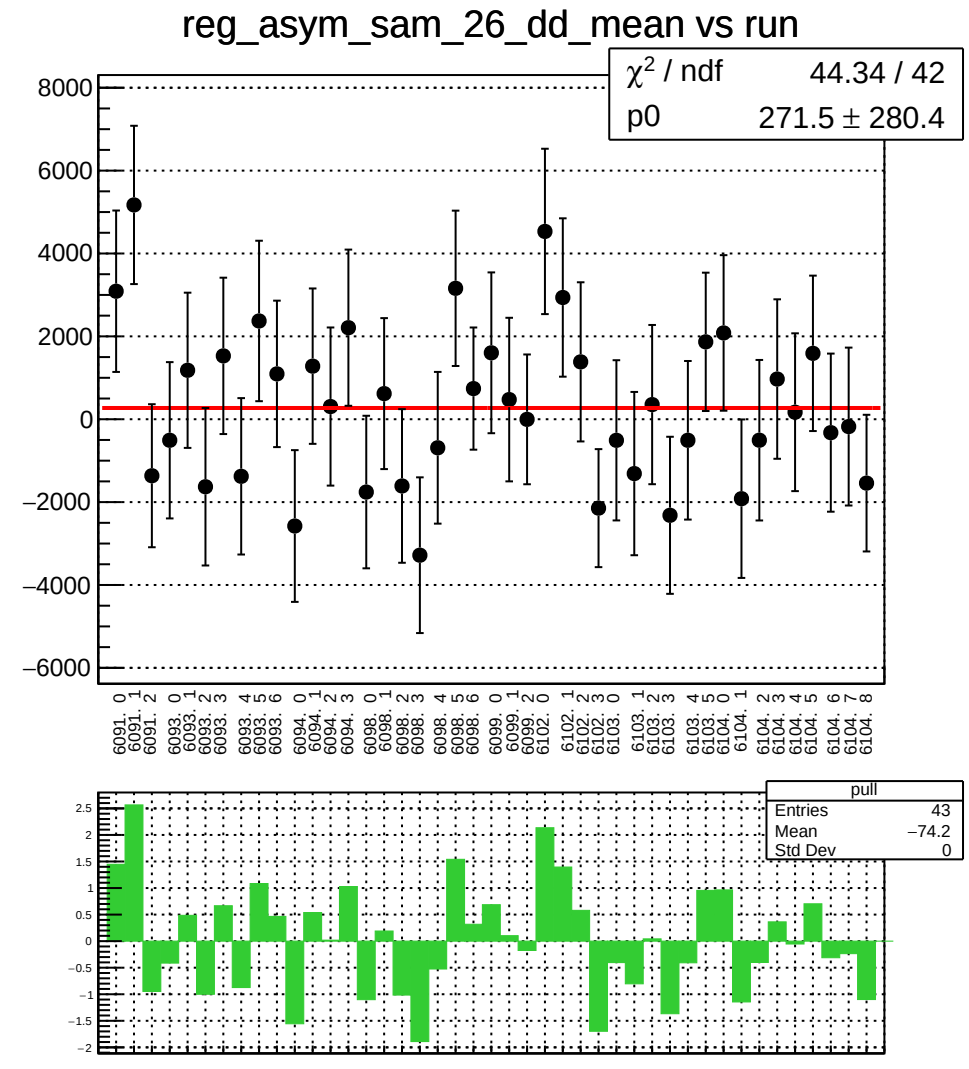

pull1D
Entries 43
Mean −0.03635
Std Dev 0.8997

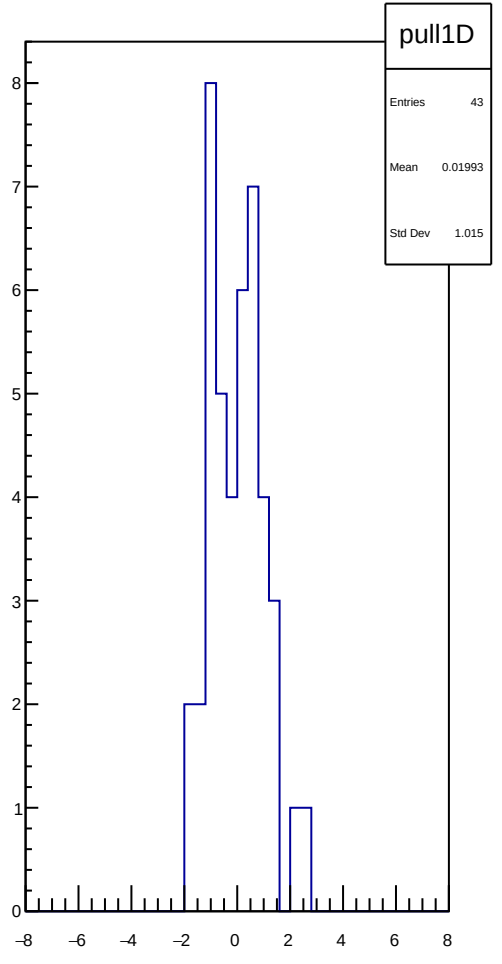

asym_sam_15_dd_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 3.555e+04 / 42
p0 23.88 ± 0.02684
45
40
35
30
25
20
15
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

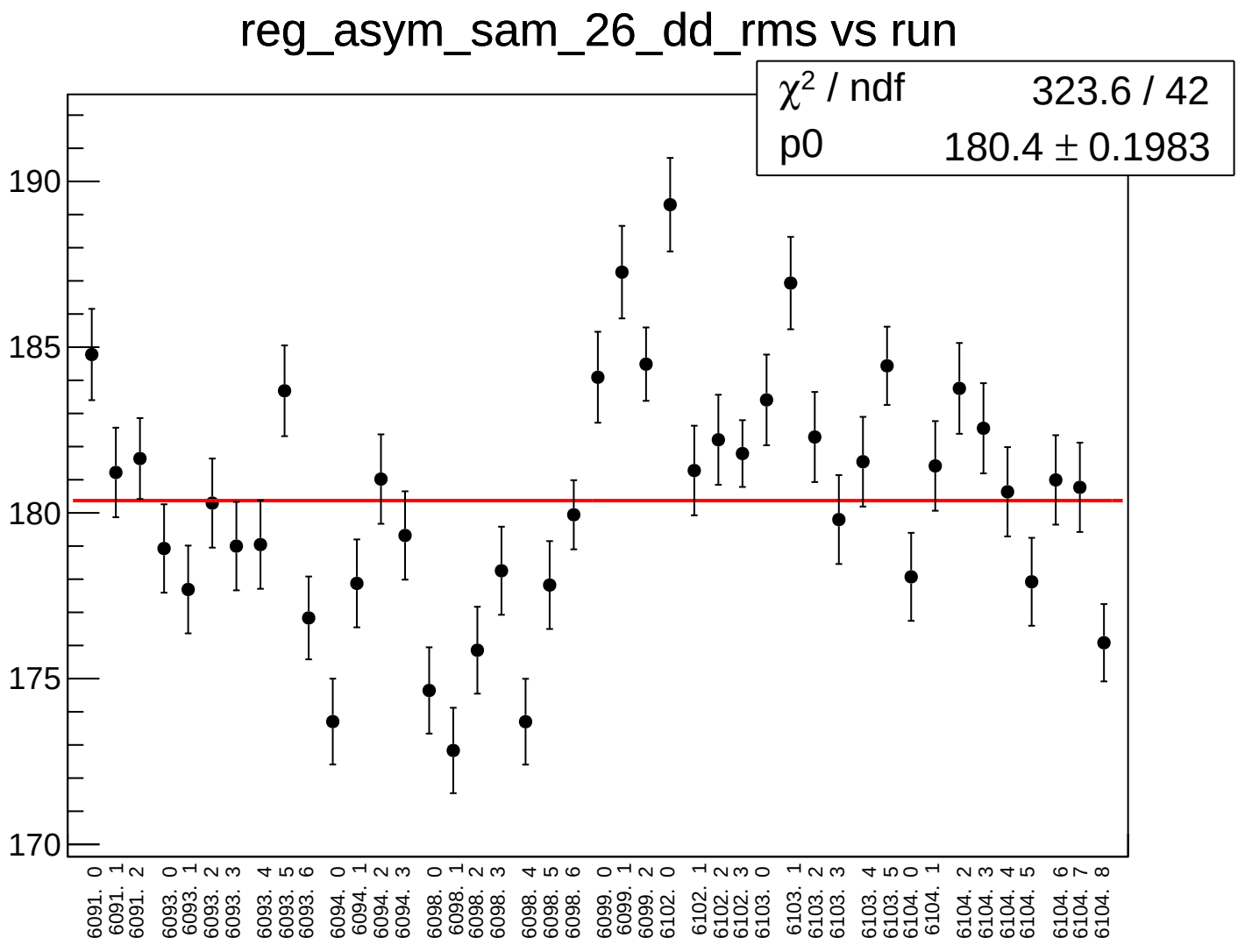

asym_sam_15_dd_eigen_cor_vs_cor_diff_mean vs run
×10−12
χ2 / ndf 40.45 / 42
p0 3.576e−14 ± 2.141e−14
pull
Entries 43
Mean −92.06
Std Dev 0

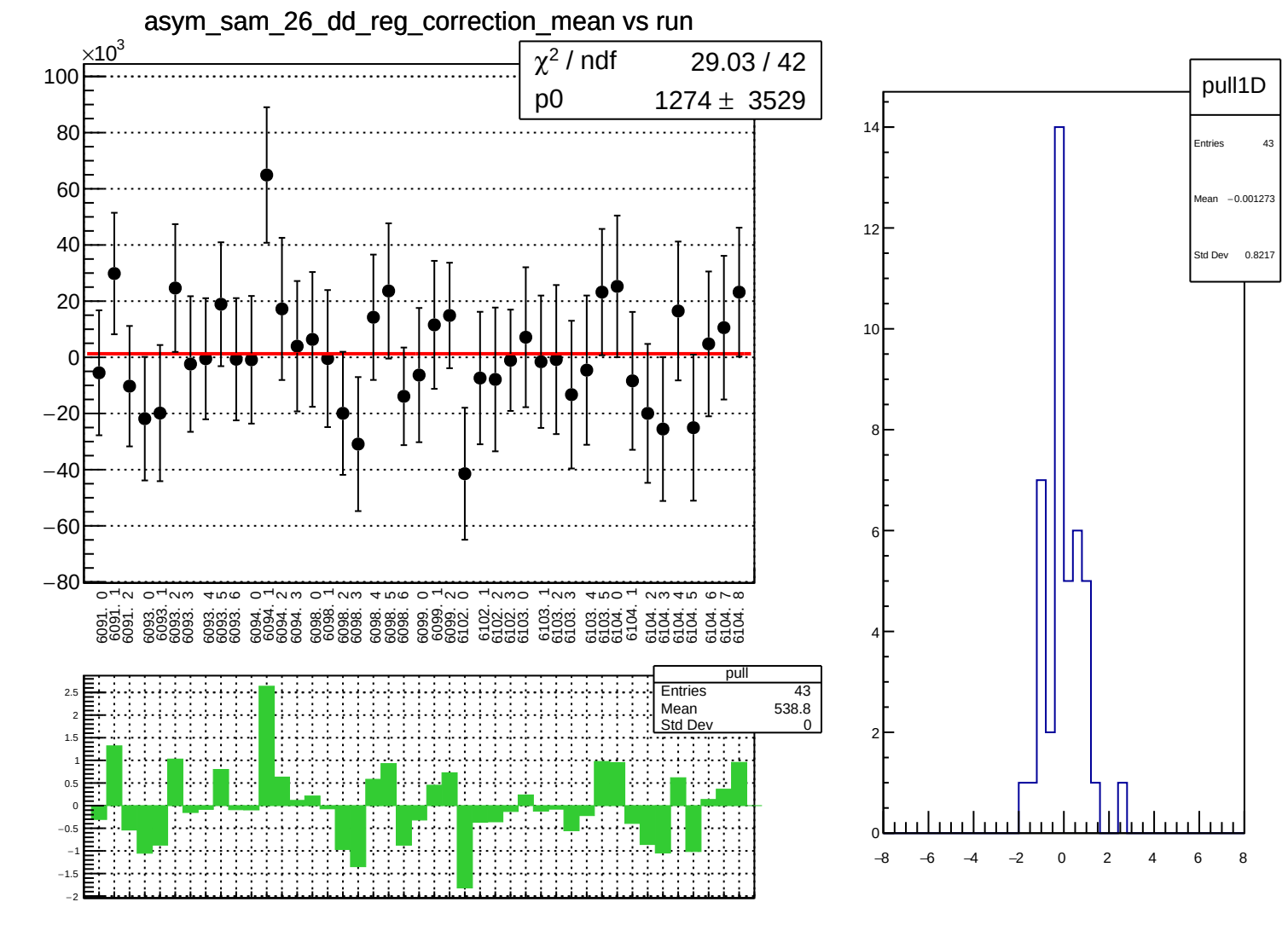

pull1D
Entries 43
Mean −0.008545
Std Dev 0.9699

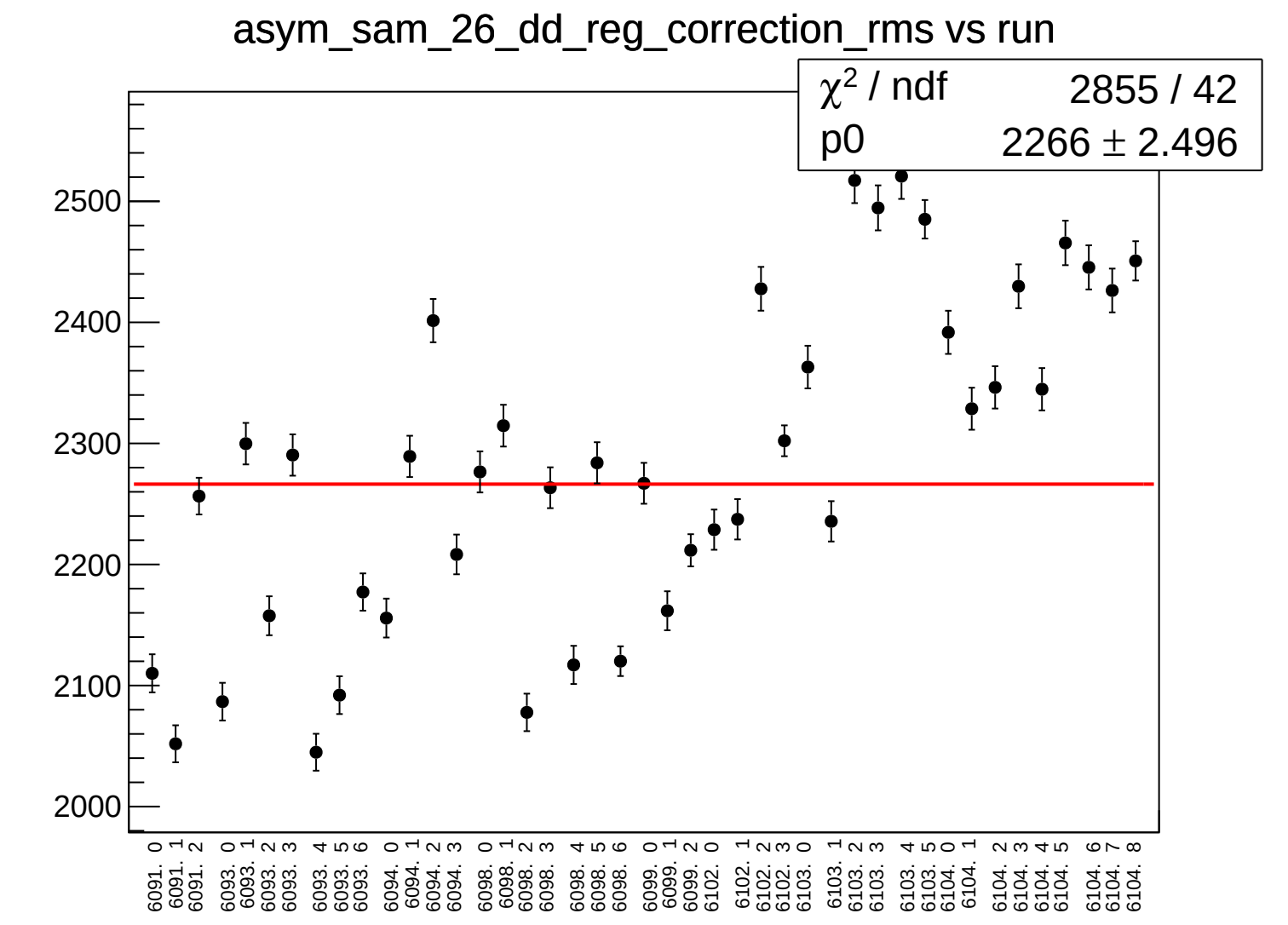

asym_sam_15_dd_eigen_cor_vs_cor_diff_rms vs run
×10⁻¹²
χ² / ndf 2.539e+05 / 42
p0 1.147e−11 ± 1.514e−14
50
40
30
20
10
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

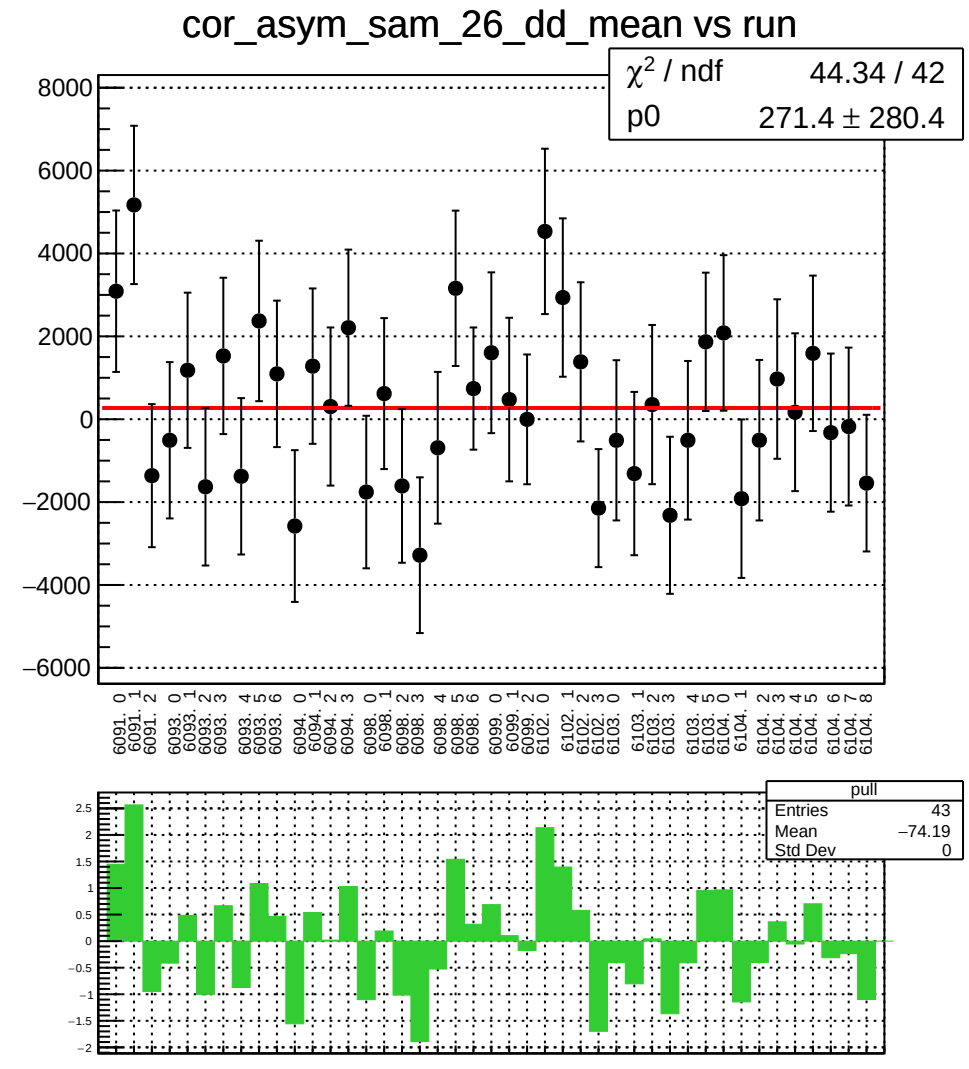

reg_asym_sam_26_dd_mean vs run
χ² / ndf 44.34 / 42
p0 271.5 ± 280.4
8000
6000
4000
2000
0
−2000
−4000
−6000
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean −74.2
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

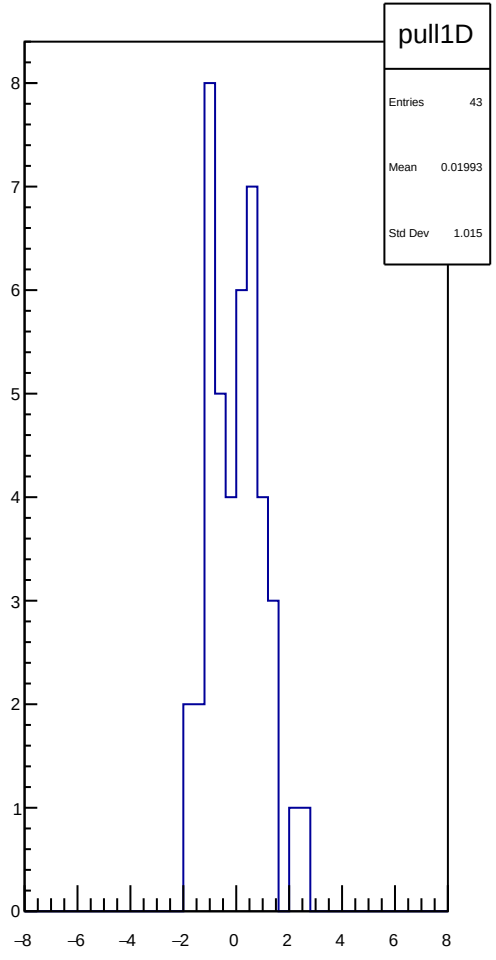

pull1D
Entries 43
Mean 0.01993
Std Dev 1.015
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

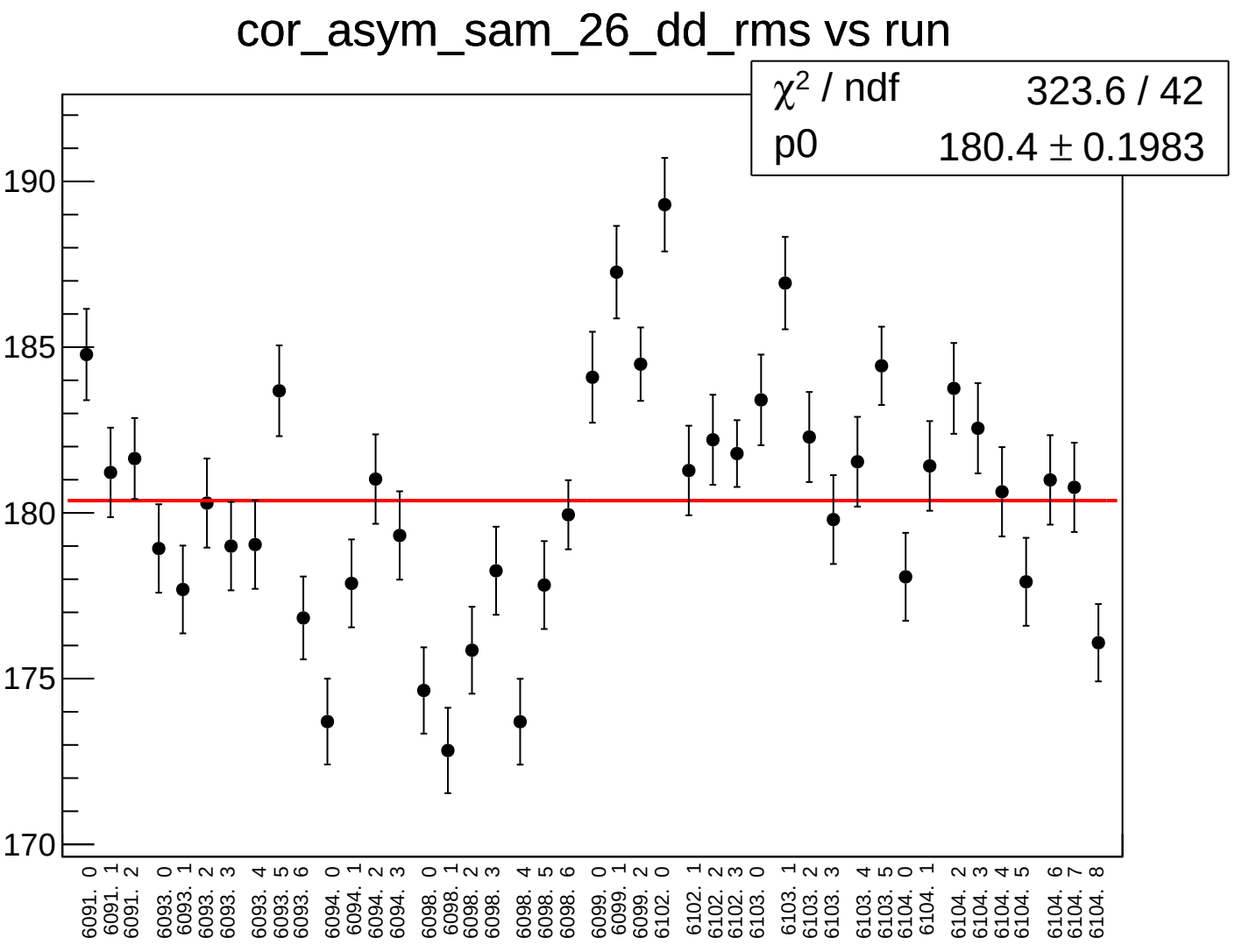

reg_asym_sam_26_dd_rms vs run
χ² / ndf 323.6 / 42
p0 180.4 ± 0.1983
190
185
180
175
170
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

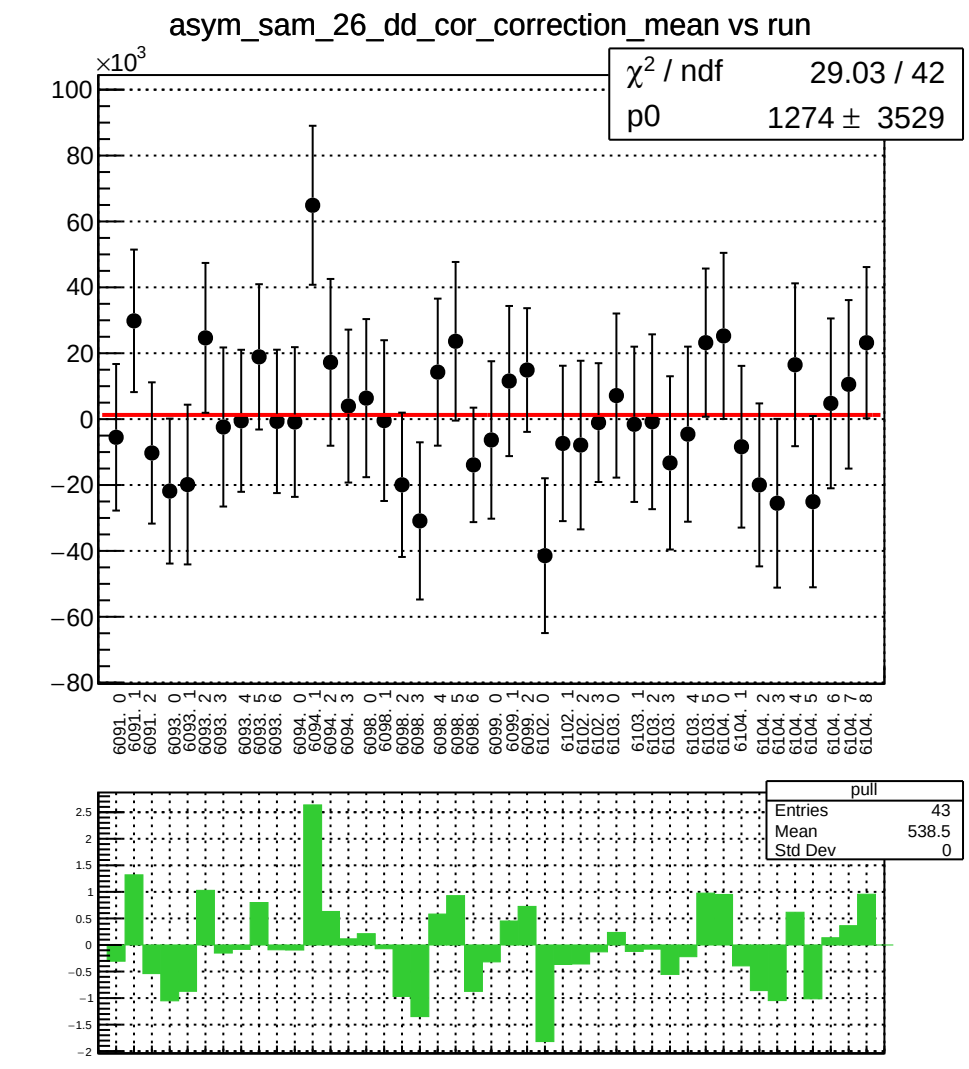

asym_sam_26_dd_reg_correction_mean vs run
×10^3
χ² / ndf 29.03 / 42
p0 1274 ± 3529
pull
Entries 43
Mean 538.8
Std Dev 0
pull1D
Entries 43
Mean −0.001273
Std Dev 0.8217

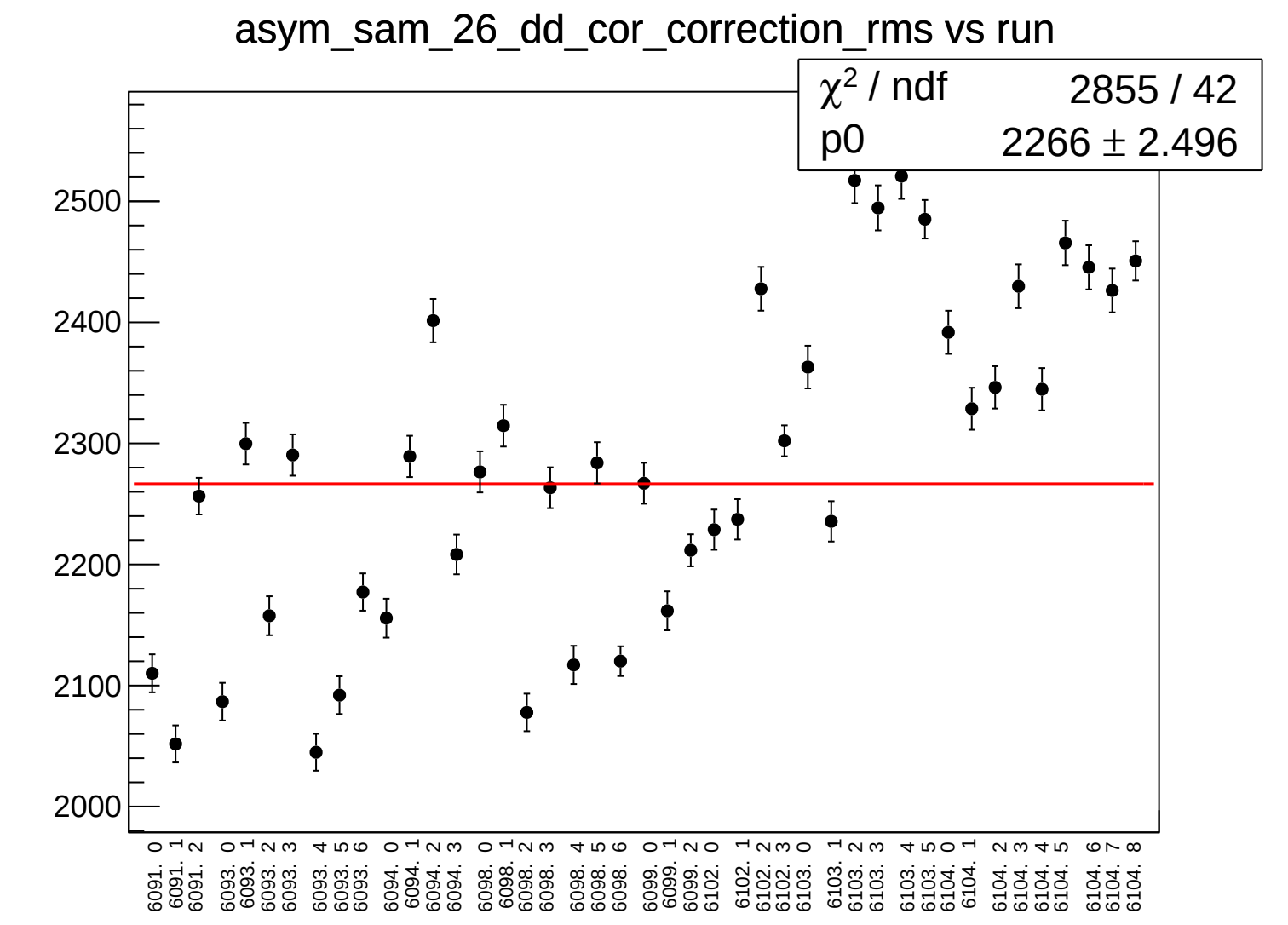

asym_sam_26_dd_reg_correction_rms vs run
χ² / ndf 2855 / 42
p0 2266 ± 2.496
2500
2400
2300
2200
2100
2000
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

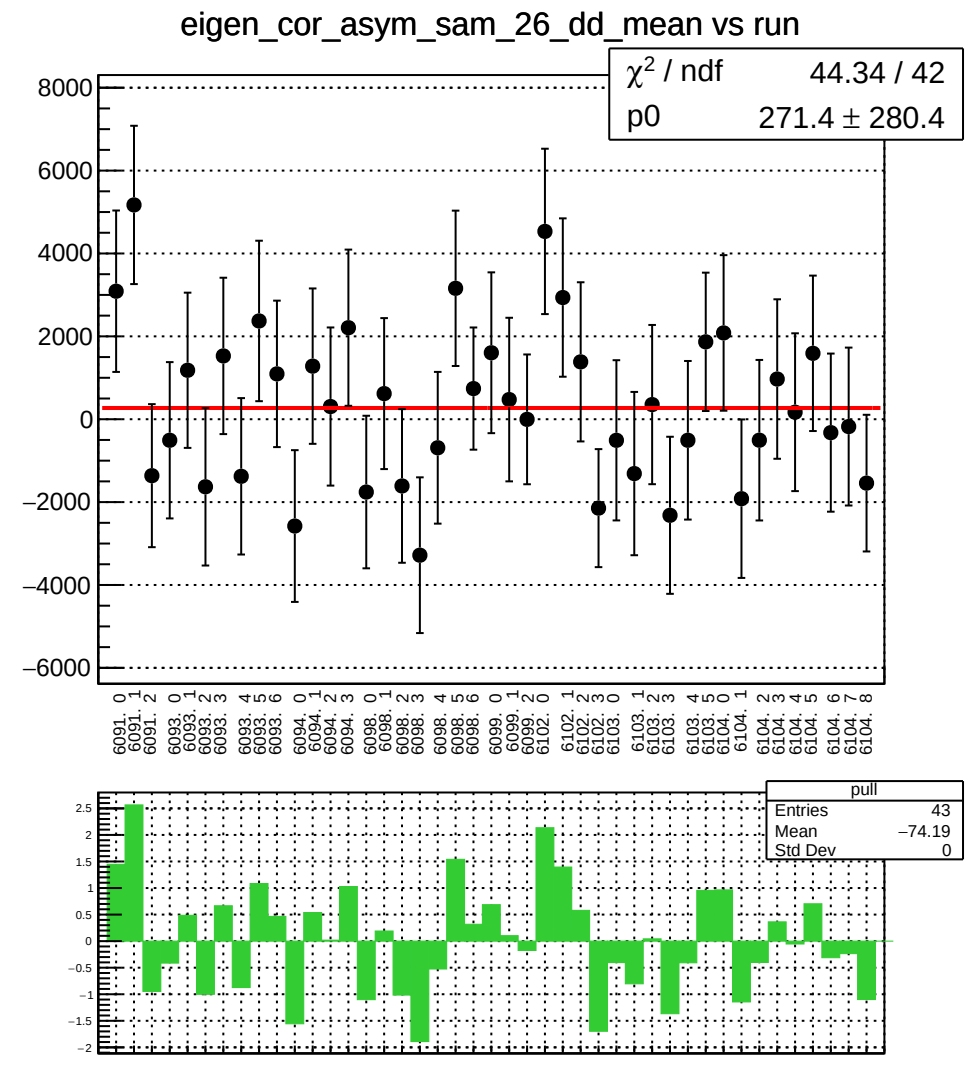

cor_asym_sam_26_dd_mean vs run
χ² / ndf 44.34 / 42
p0 271.4 ± 280.4
8000
6000
4000
2000
0
−2000
−4000
−6000
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean −74.19
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

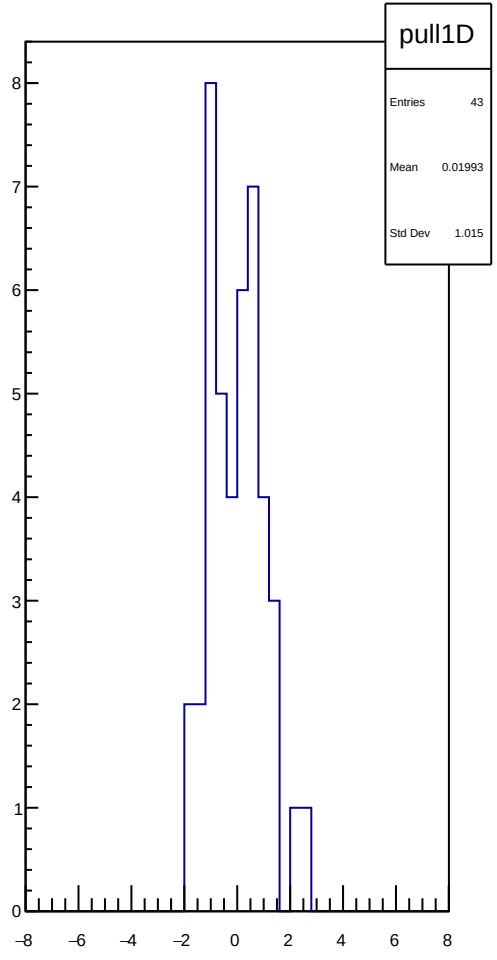

pull1D
Entries 43
Mean 0.01993
Std Dev 1.015
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

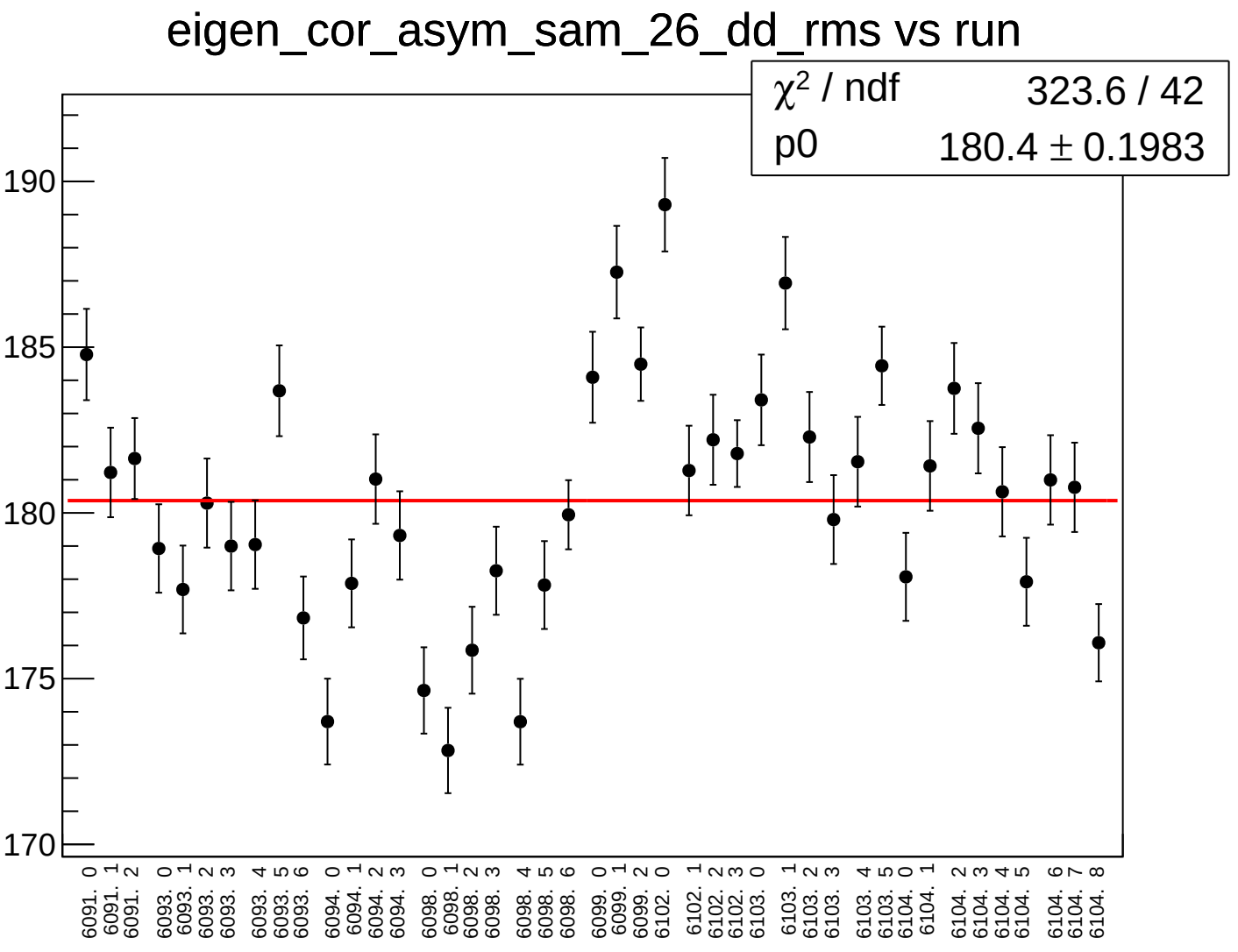

cor_asym_sam_26_dd_rms vs run
χ² / ndf 323.6 / 42
p0 180.4 ± 0.1983
190
185
180
175
170
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

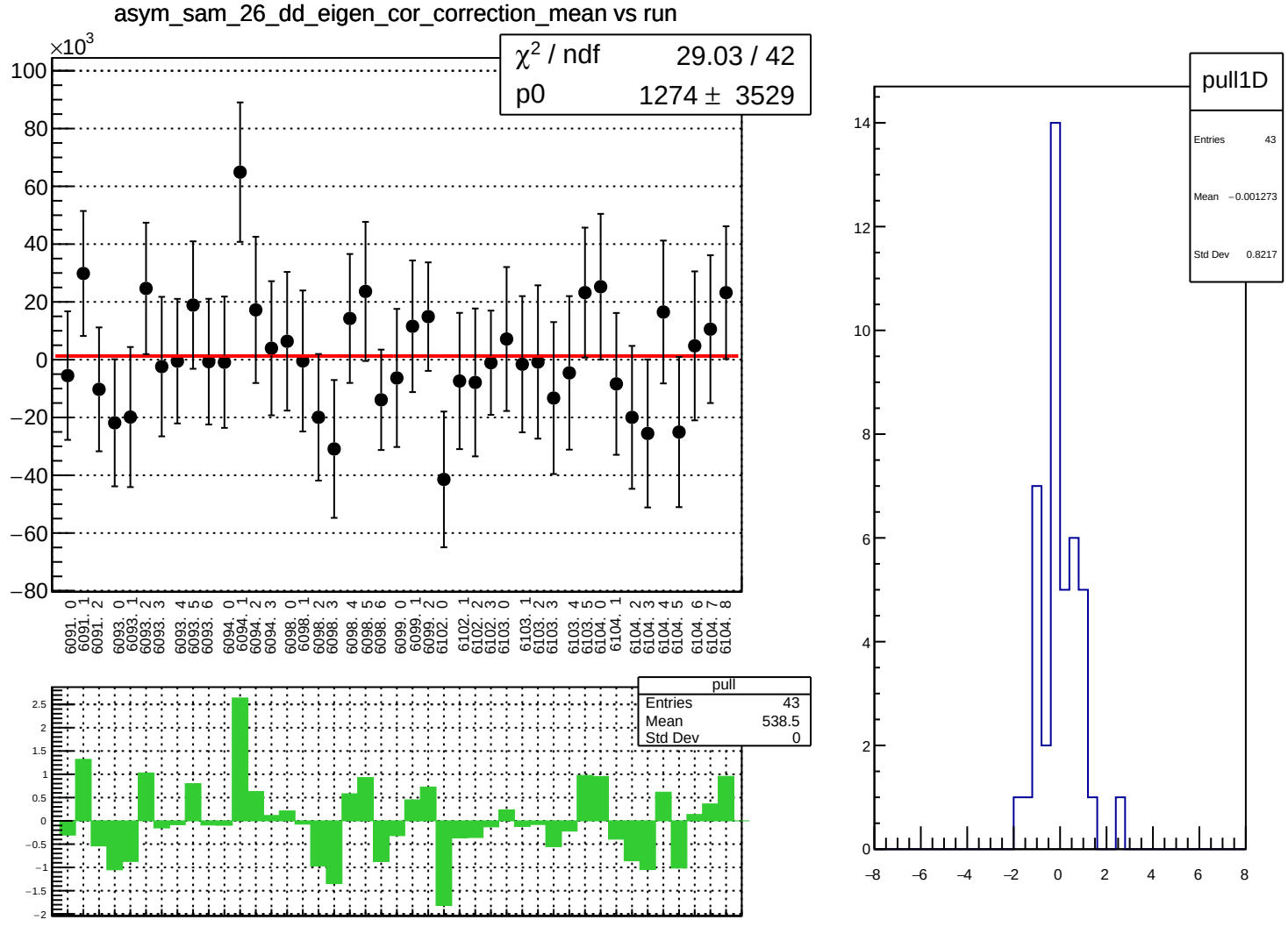

asym_sam_26_dd_cor_correction_mean vs run
×10^3
χ² / ndf 29.03 / 42
p0 1274 ± 3529
100
80
60
40
20
0
−20
−40
−60
−80
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 538.5
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 43
Mean −0.001273
Std Dev 0.8217
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

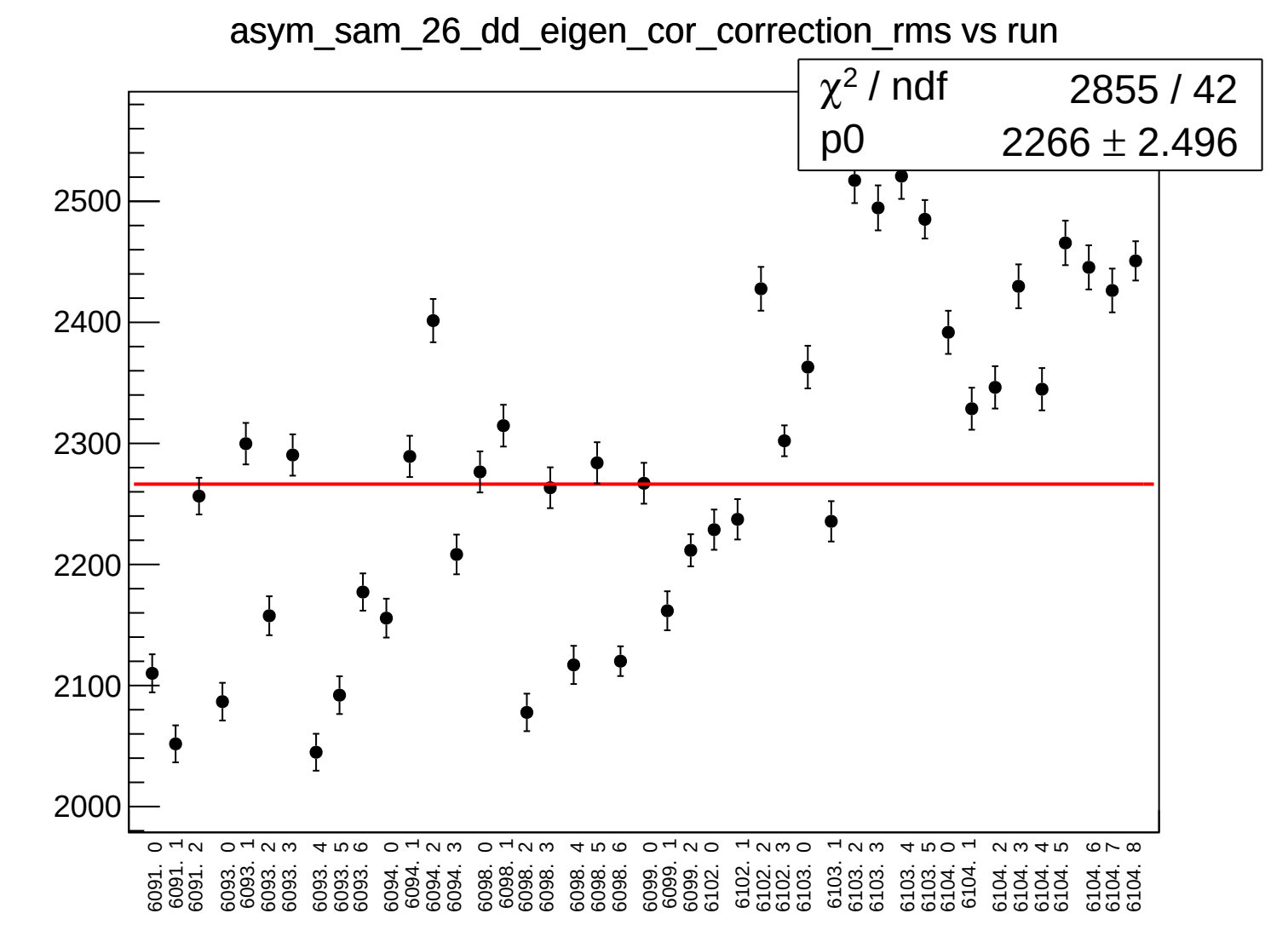

asym_sam_26_dd_cor_correction_rms vs run
χ² / ndf 2855 / 42
p0 2266 ± 2.496
2500
2400
2300
2200
2100
2000
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

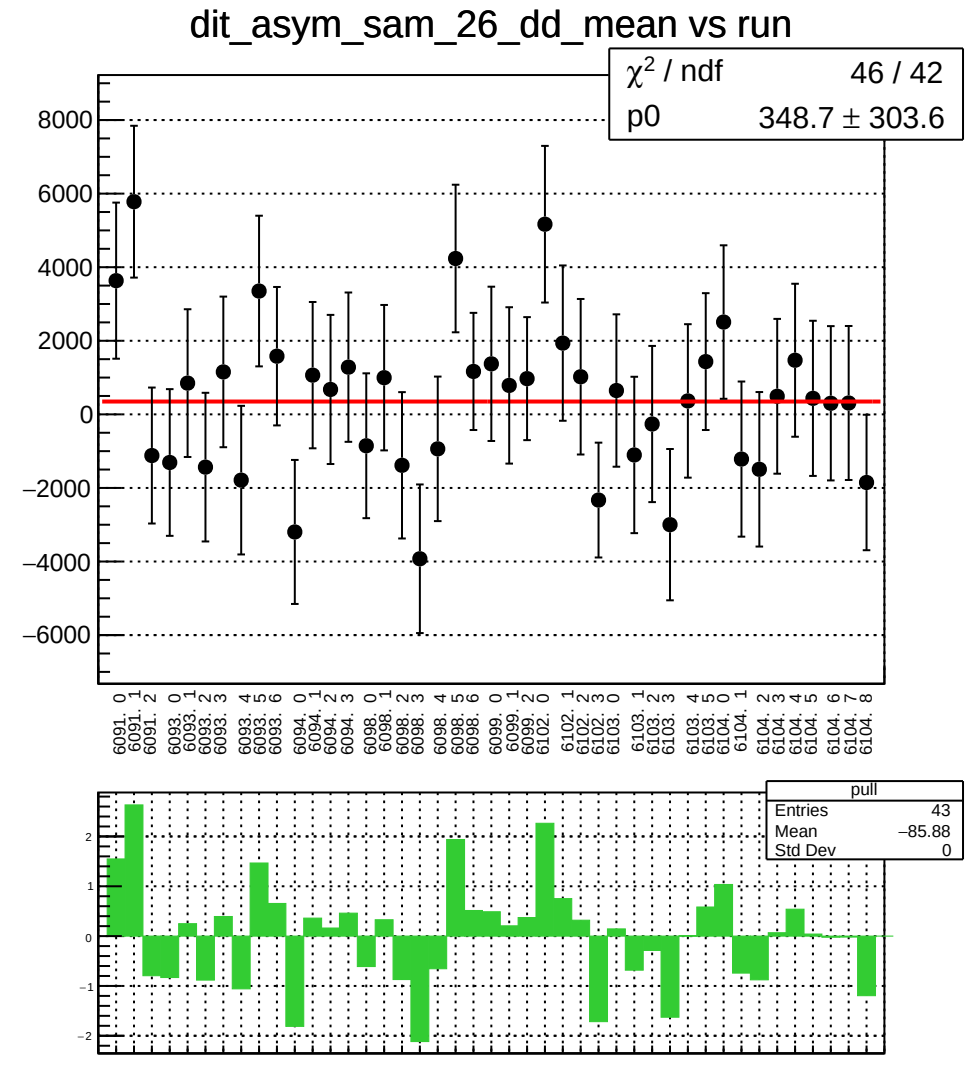

eigen_cor_asym_sam_26_dd_mean vs run
χ² / ndf 44.34 / 42
p0 271.4 ± 280.4
8000
6000
4000
2000
0
−2000
−4000
−6000
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean −74.19
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

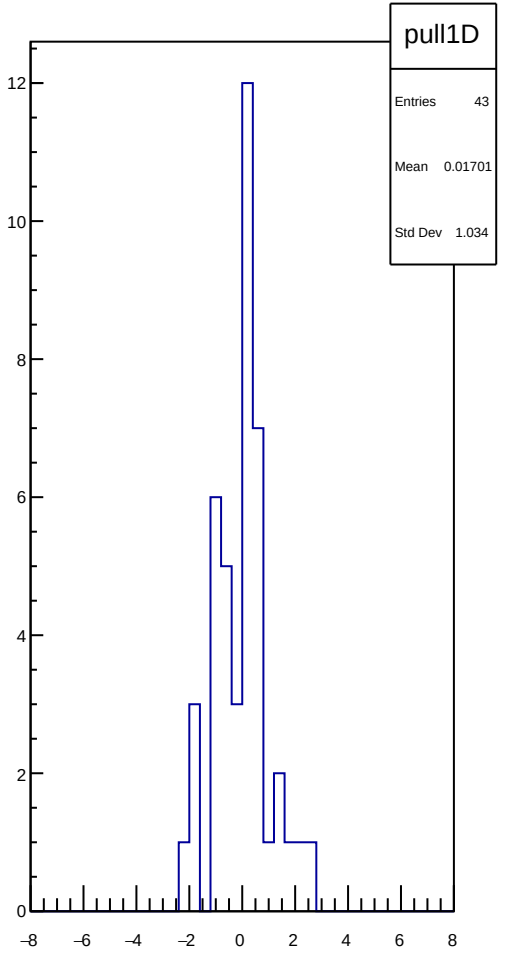

pull1D
Entries 43
Mean 0.01993
Std Dev 1.015
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

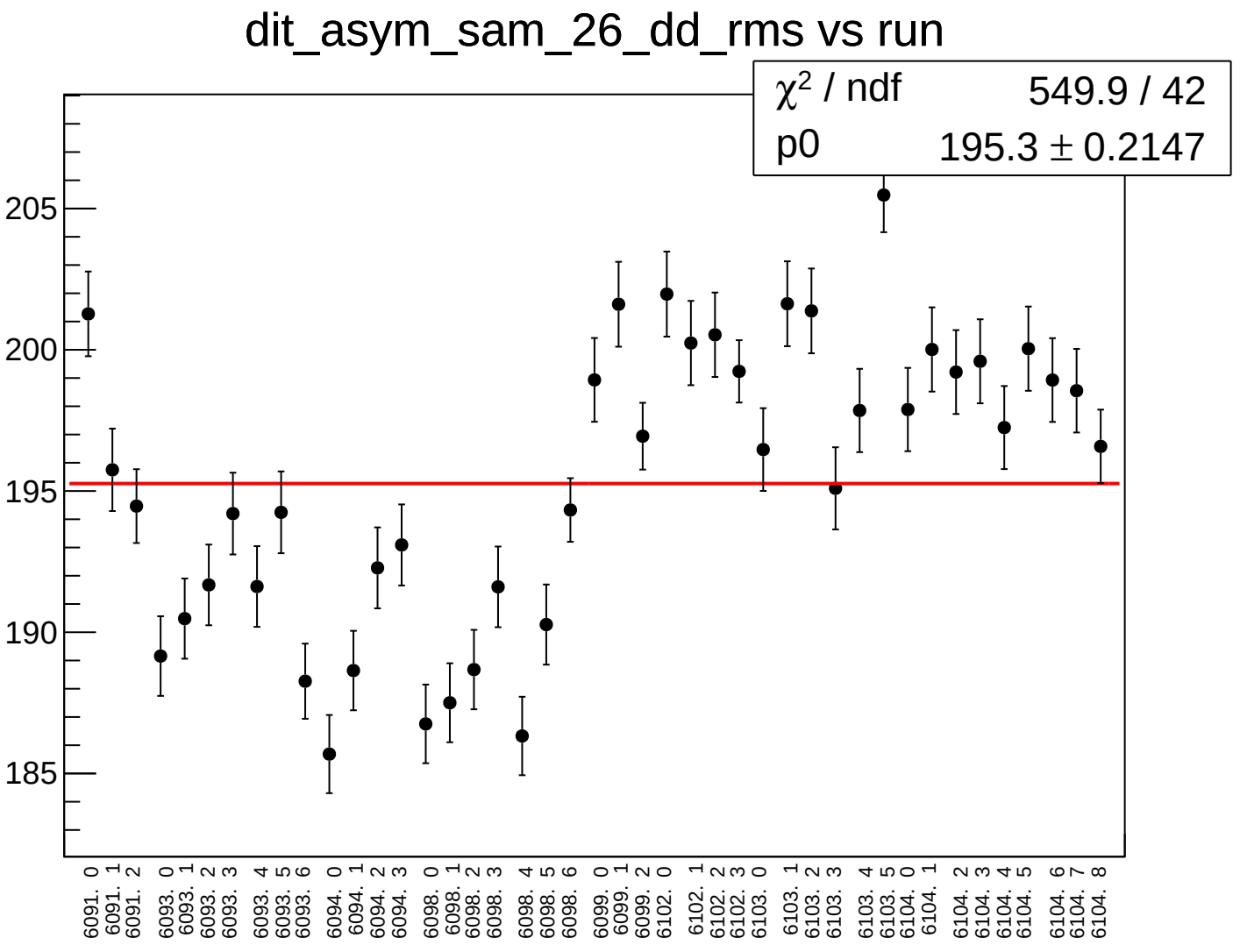

eigen_cor_asym_sam_26_dd_rms vs run
χ² / ndf 323.6 / 42
p0 180.4 ± 0.1983
190
185
180
175
170
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

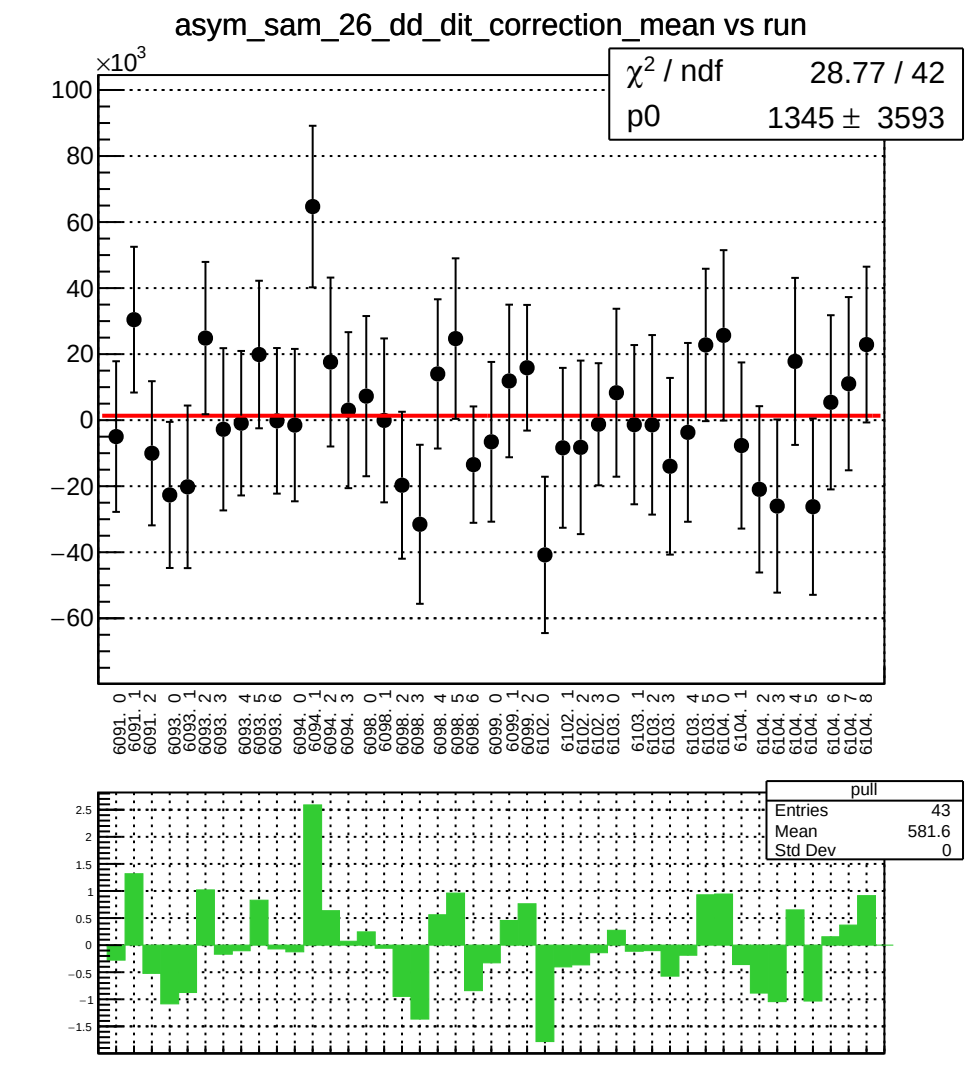

asym_sam_26_dd_eigen_cor_correction_mean vs run
×10^3
χ² / ndf 29.03 / 42
p0 1274 ± 3529
pull
Entries 43
Mean 538.5
Std Dev 0
pull1D
Entries 43
Mean −0.001273
Std Dev 0.8217

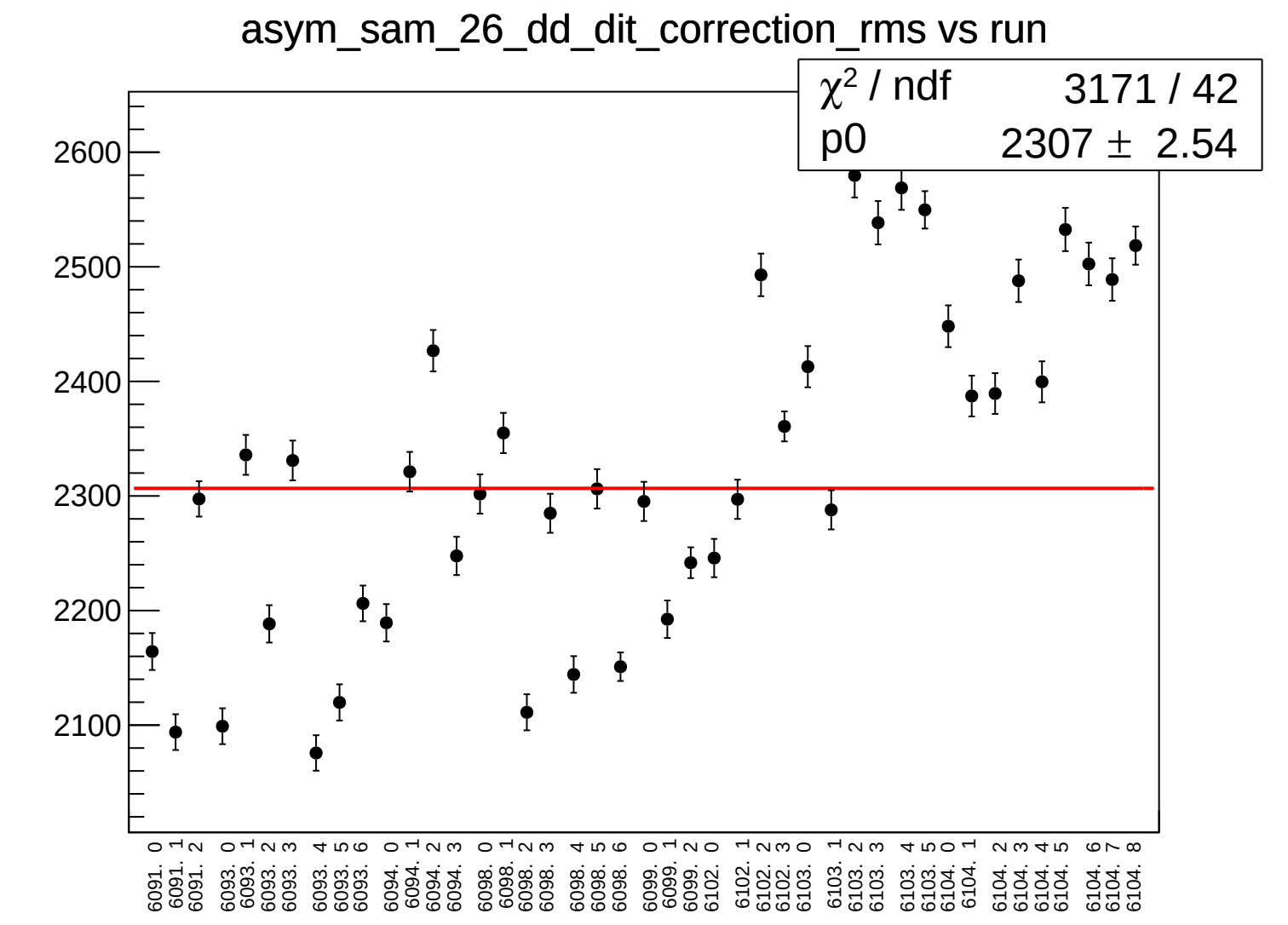

asym_sam_26_dd_eigen_cor_correction_rms vs run
χ² / ndf 2855 / 42
p0 2266 ± 2.496
2500
2400
2300
2200
2100
2000
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

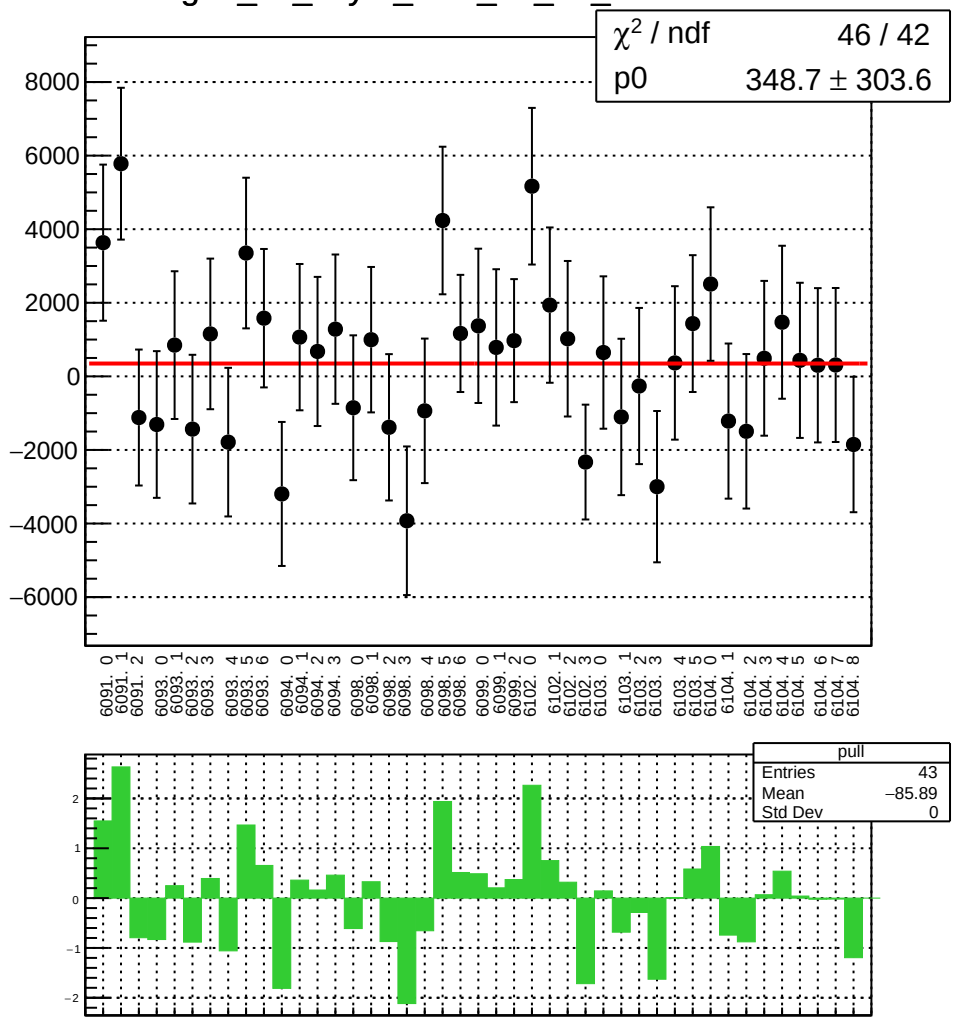

dit_asym_sam_26_dd_mean vs run
χ² / ndf 46 / 42
p0 348.7 ± 303.6
8000
6000
4000
2000
0
−2000
−4000
−6000
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean −85.88
Std Dev 0
2
1
0
−1
−2

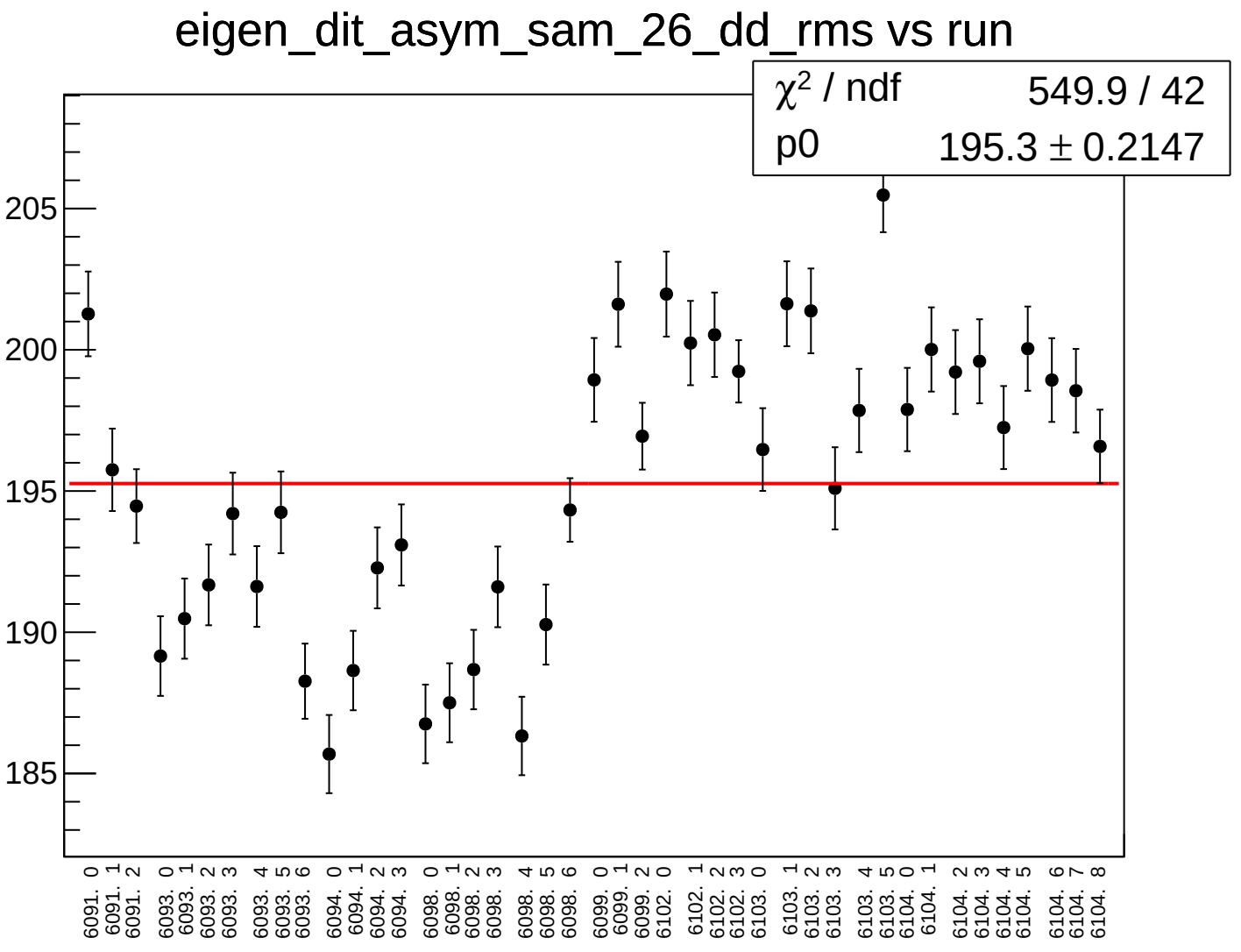

pull1D
Entries 43
Mean 0.01701
Std Dev 1.034
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

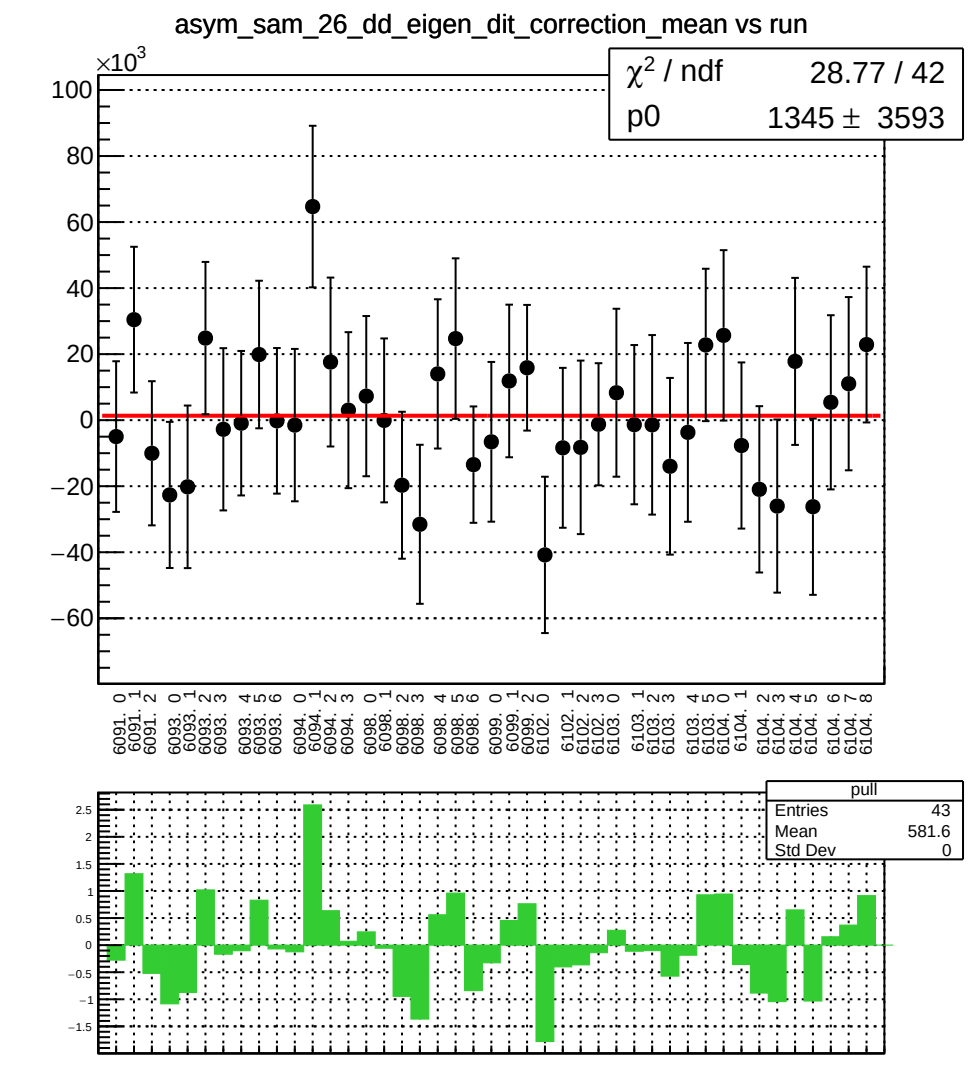

dit_asym_sam_26_dd_rms vs run
χ² / ndf 549.9 / 42
p0 195.3 ± 0.2147
205
200
195
190
185
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

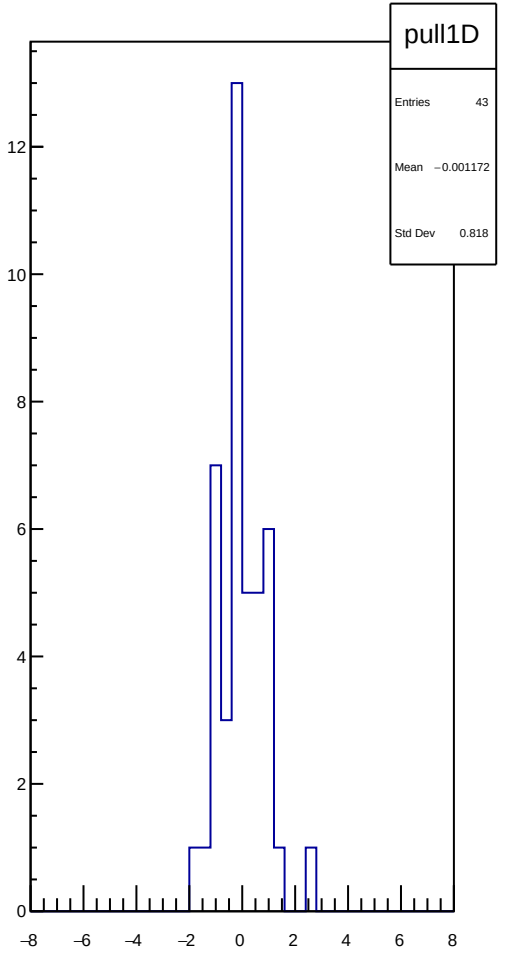

asym_sam_26_dd_dit_correction_mean vs run
×10^3
χ² / ndf 28.77 / 42
p0 1345 ± 3593
100
80
60
40
20
0
−20
−40
−60
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 581.6
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 43
Mean −0.001172
Std Dev 0.818
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

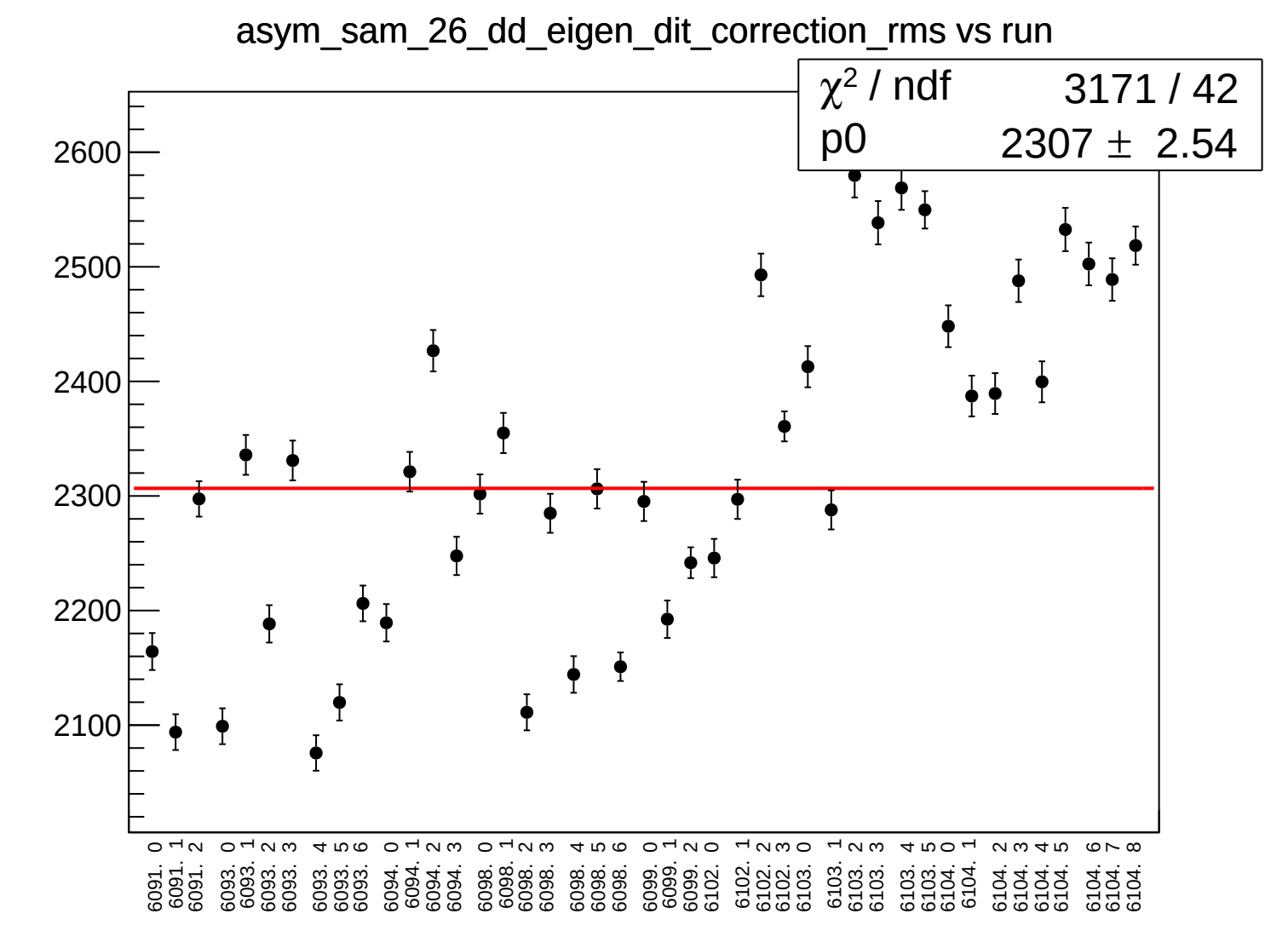

asym_sam_26_dd_dit_correction_rms vs run
χ² / ndf 3171 / 42
p0 2307 ± 2.54
2600
2500
2400
2300
2200
2100
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

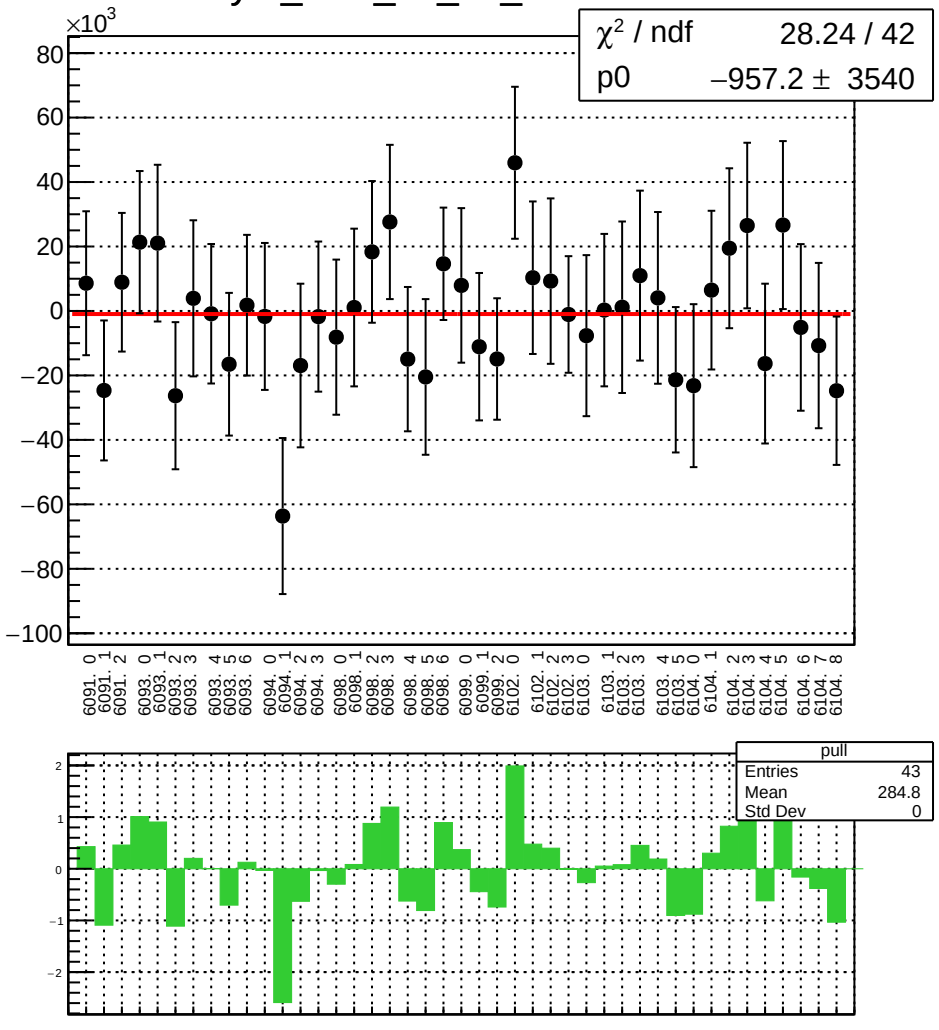

eigen_dit_asym_sam_26_dd_mean vs run
χ² / ndf 46 / 42
p0 348.7 ± 303.6
8000
6000
4000
2000
0
−2000
−4000
−6000
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean −85.89
Std Dev 0
2
1
0
−1
−2
pull1D
Entries 43
Mean 0.01701
Std Dev 1.034
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

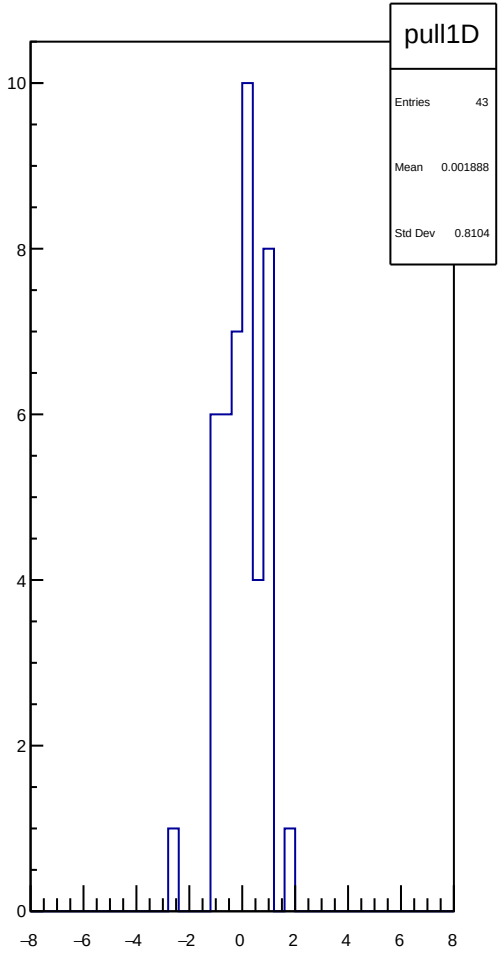

eigen_dit_asym_sam_26_dd_rms vs run
χ² / ndf 549.9 / 42
p0 195.3 ± 0.2147
205
200
195
190
185
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

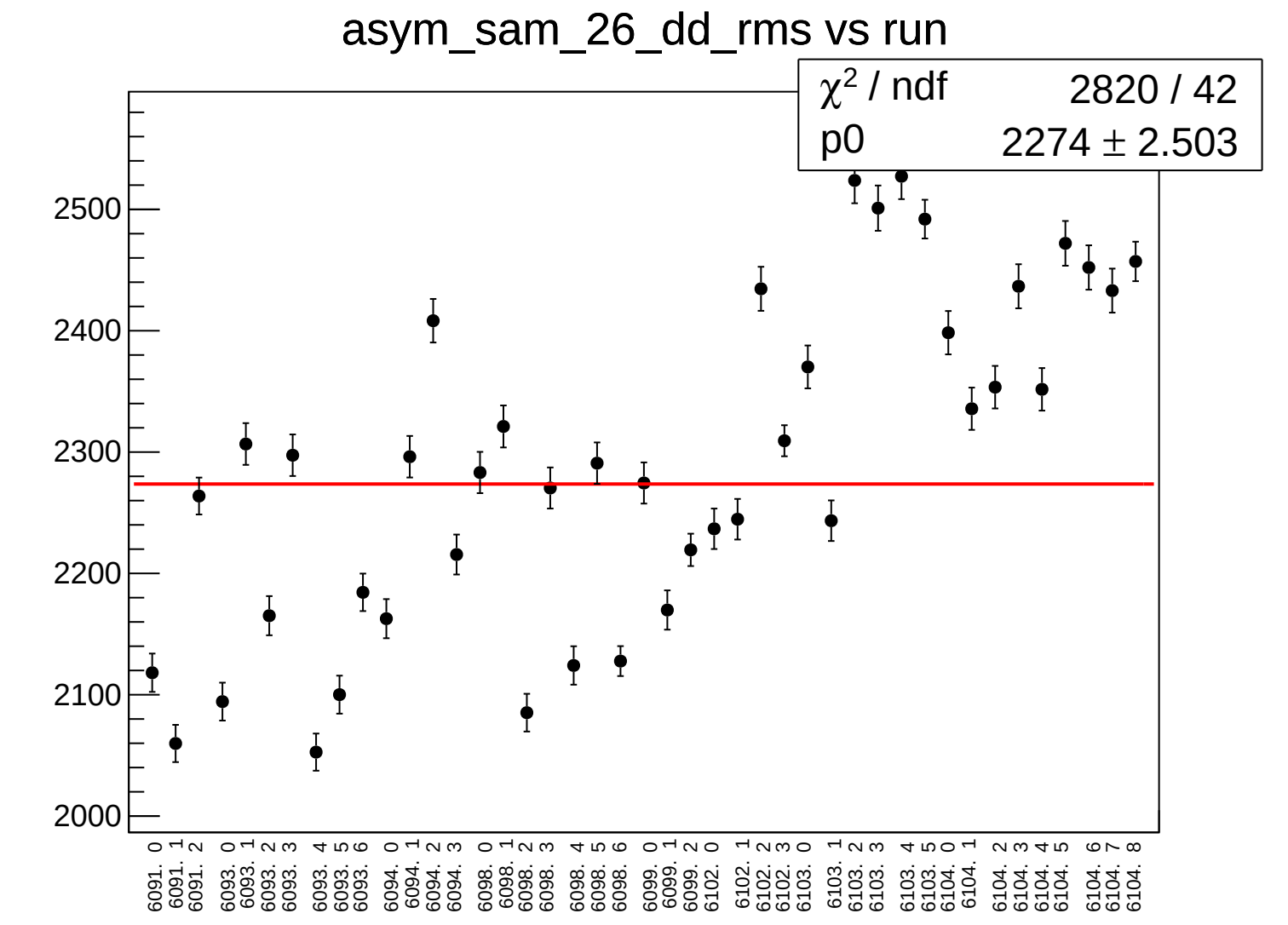

asym_sam_26_dd_eigen_dit_correction_mean vs run
×10^3
χ² / ndf 28.77 / 42
p0 1345 ± 3593
100
80
60
40
20
0
−20
−40
−60
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 581.6
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5

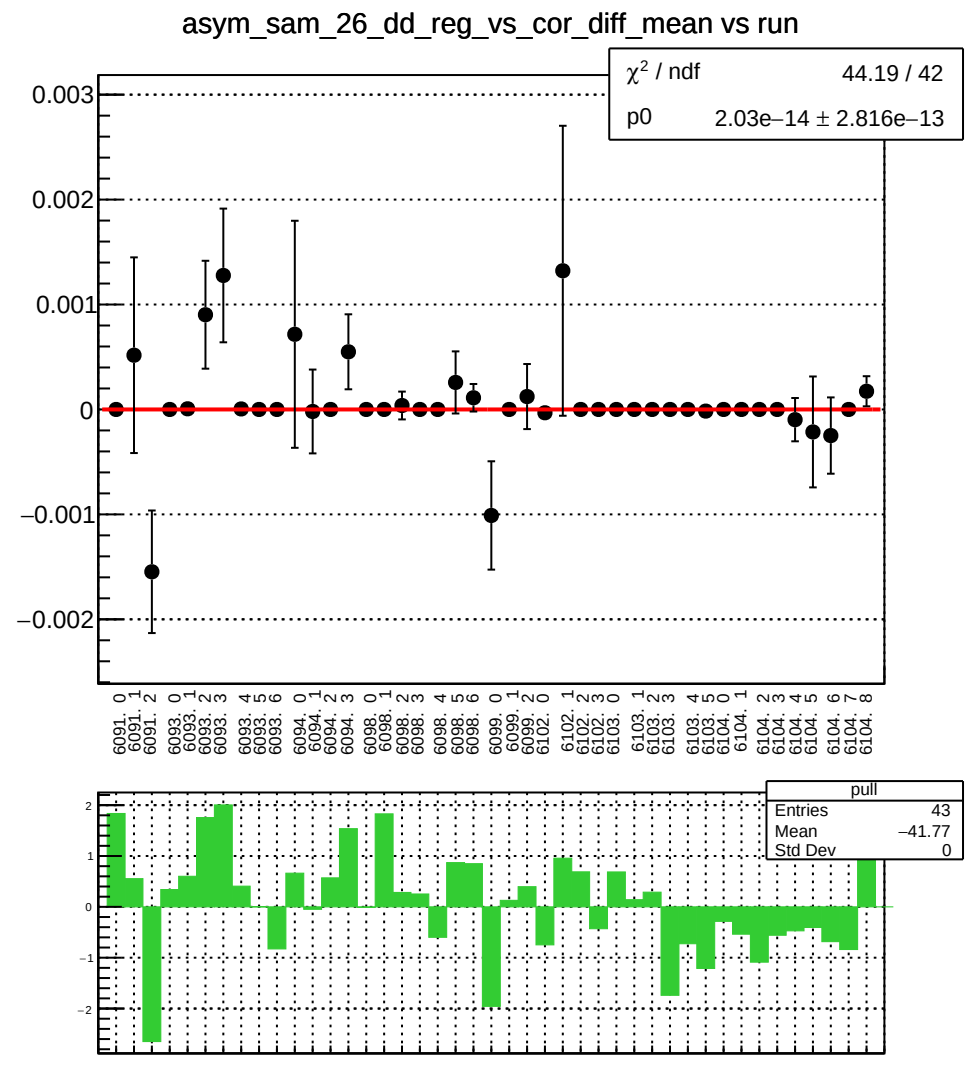

pull1D
Entries 43
Mean −0.001172
Std Dev 0.818
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

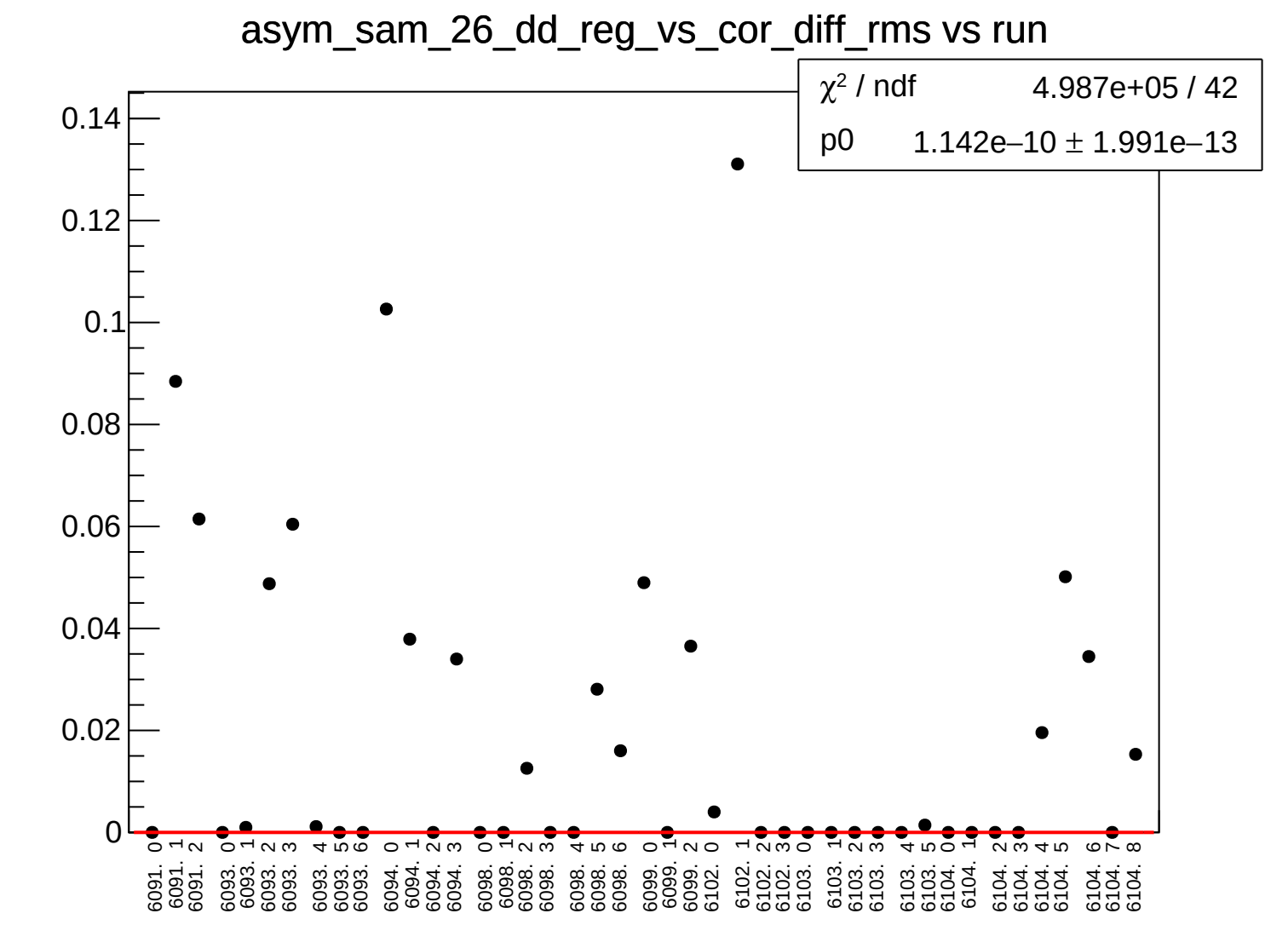

asym_sam_26_dd_eigen_dit_correction_rms vs run
χ² / ndf 3171 / 42
p0 2307 ± 2.54
2600
2500
2400
2300
2200
2100
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

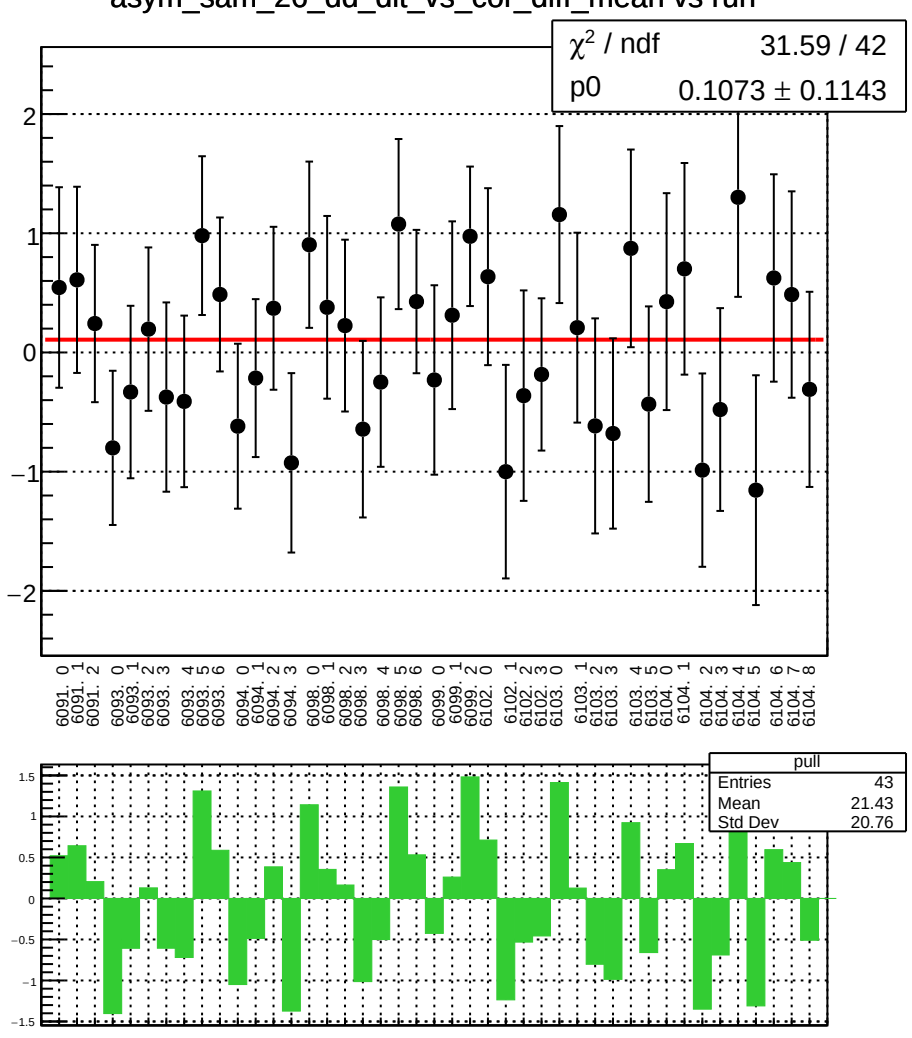

asym_sam_26_dd_mean vs run
χ² / ndf 28.24 / 42
p0 −957.2 ± 3540
×10³
pull
Entries 43
Mean 284.8
Std Dev 0

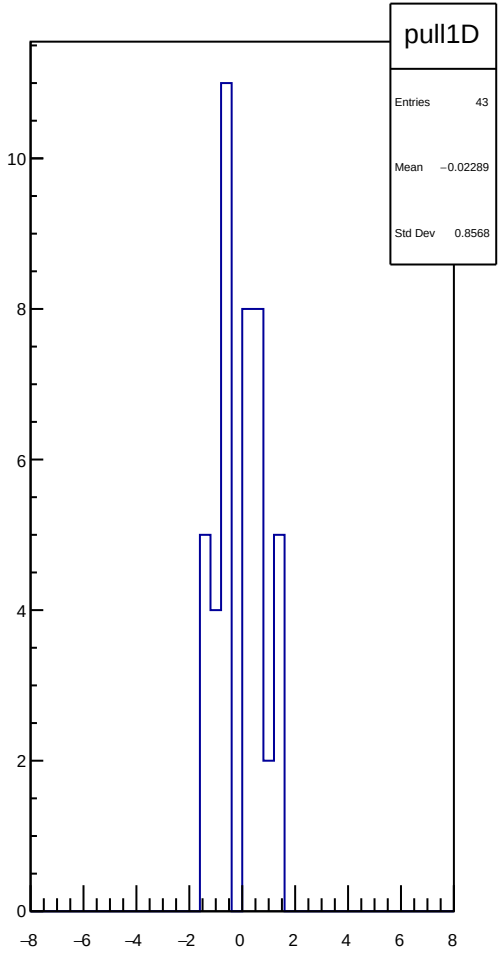

pull1D
Entries 43
Mean 0.001888
Std Dev 0.8104

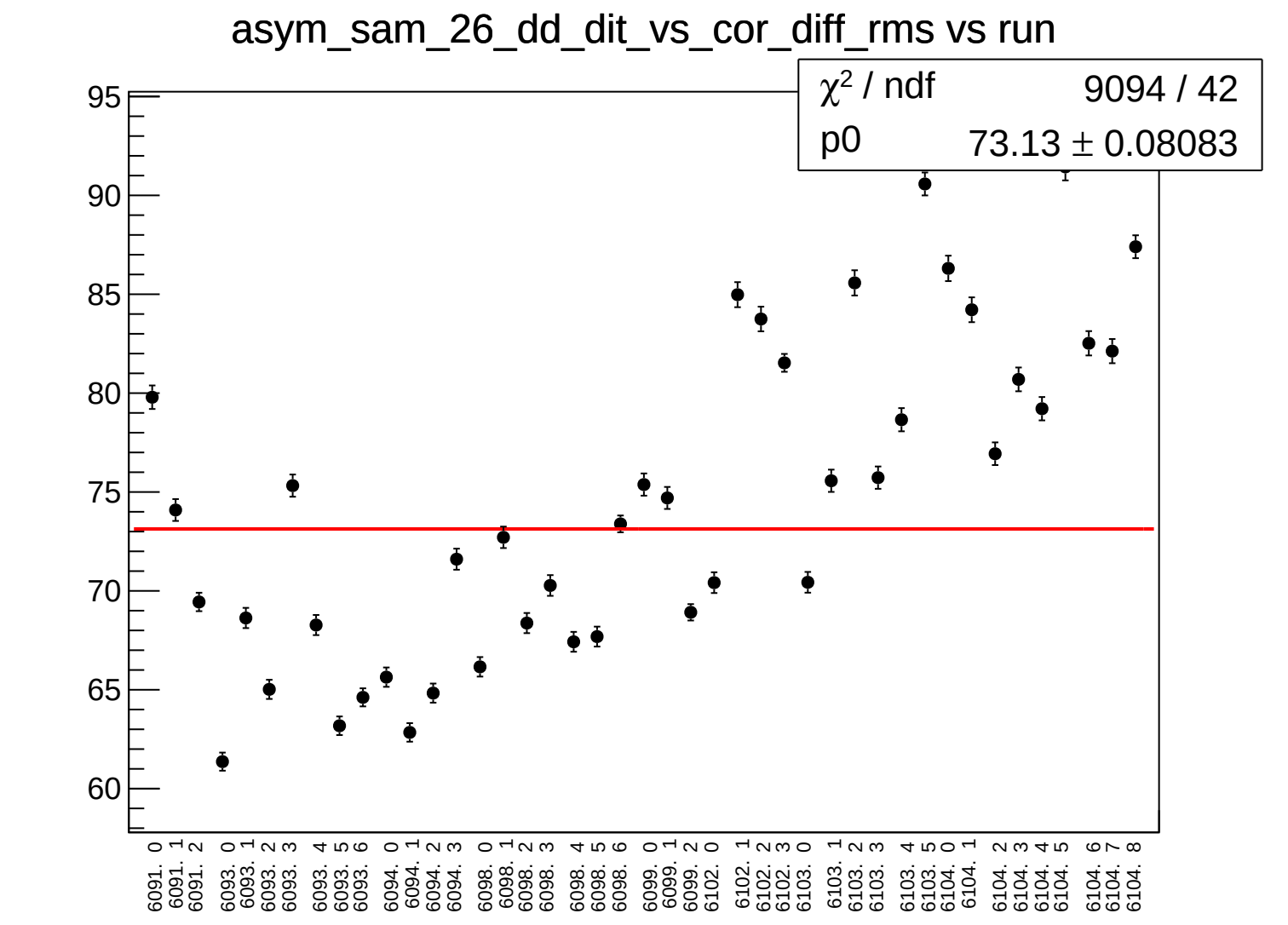

asym_sam_26_dd_rms vs run
χ² / ndf 2820 / 42
p0 2274 ± 2.503
2500
2400
2300
2200
2100
2000
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

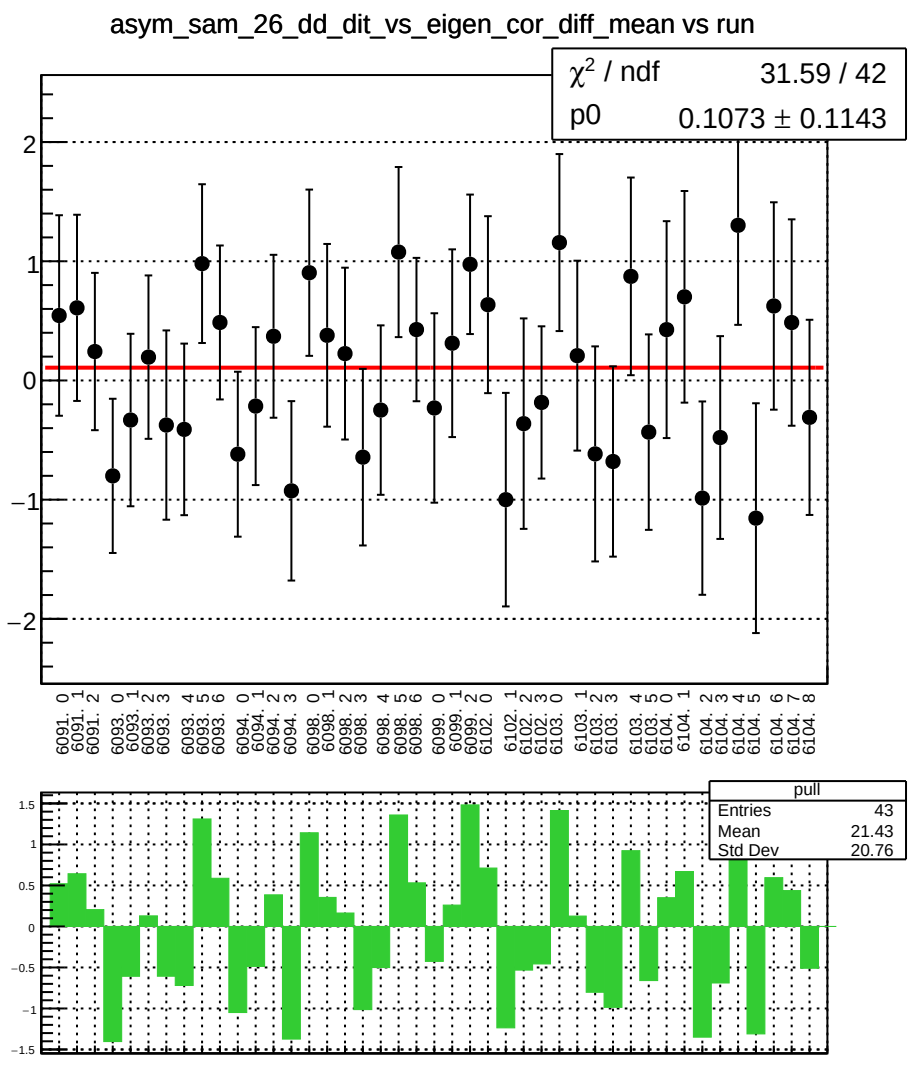

asym_sam_26_dd_reg_vs_cor_diff_mean vs run
χ² / ndf 44.19 / 42
p0 2.03e−14 ± 2.816e−13
0.003
0.002
0.001
0
−0.001
−0.002
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean −41.77
Std Dev 0
2
1
0
−1
−2
pull1D
Entries 43
Mean 0.07064
Std Dev 1.011
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

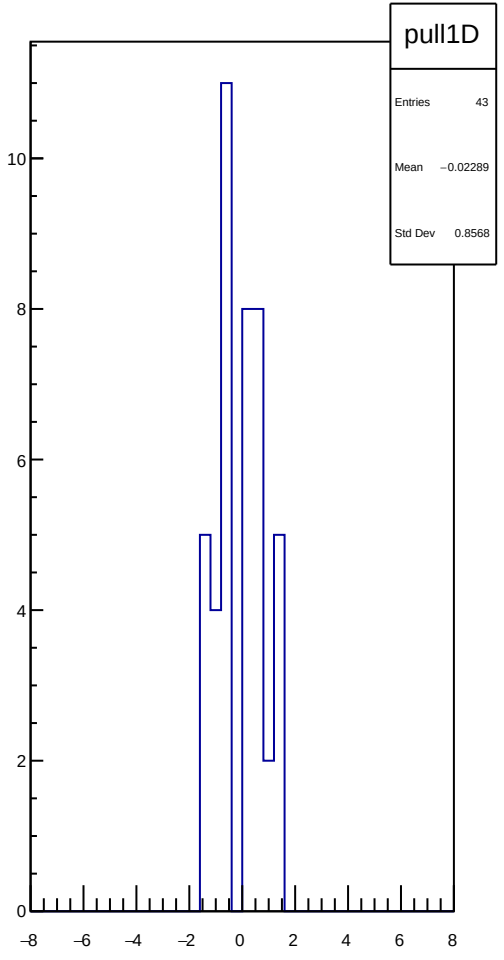

asym_sam_26_dd_reg_vs_cor_diff_rms vs run
χ² / ndf 4.987e+05 / 42
p0 1.142e−10 ± 1.991e−13
0.14
0.12
0.1
0.08
0.06
0.04
0.02
0
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

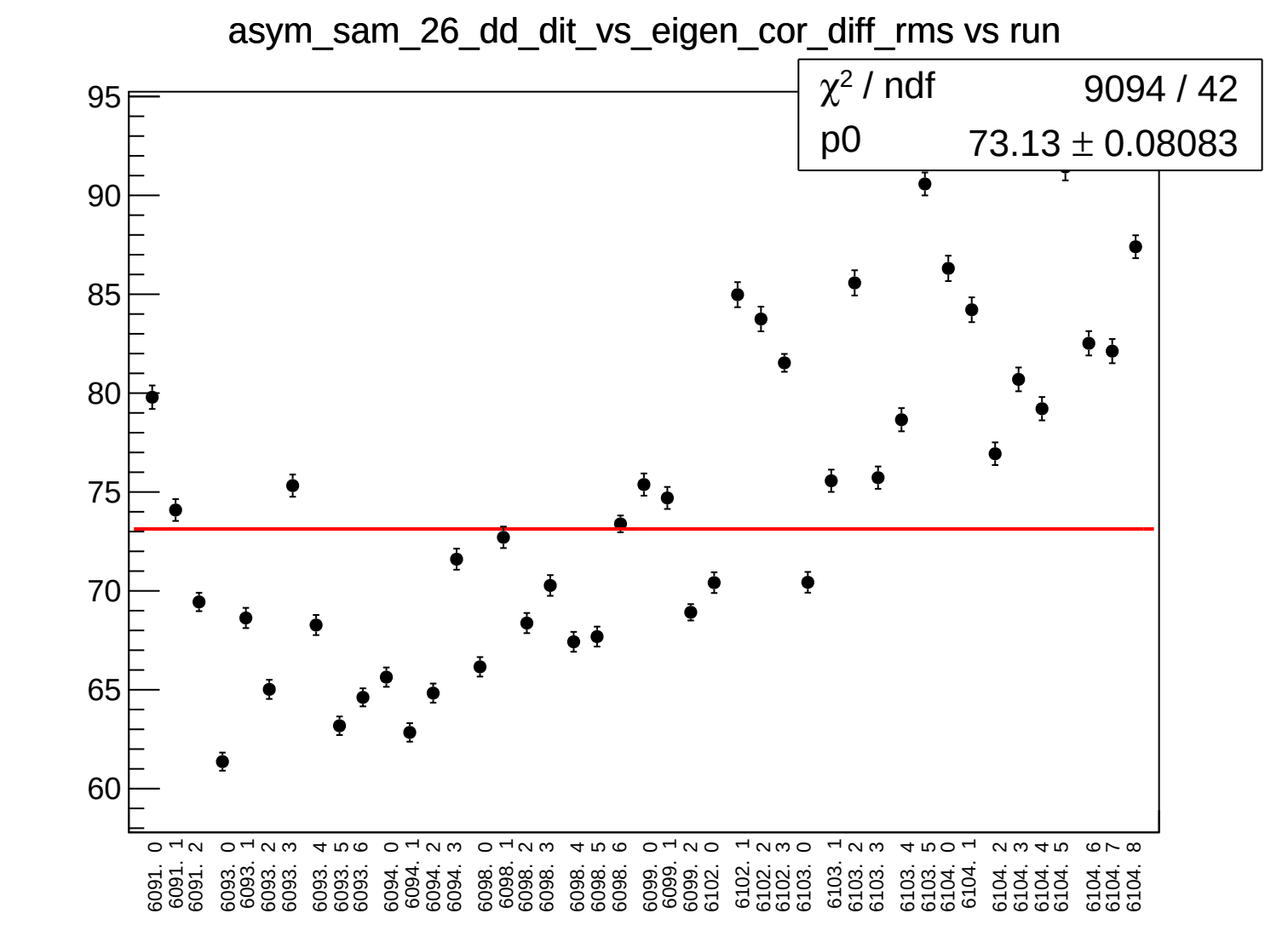

asym_sam_26_dd_dit_vs_cor_diff_mean vs run
χ² / ndf 31.59 / 42
p0 0.1073 ± 0.1143
pull
Entries 43
Mean 21.43
Std Dev 20.76

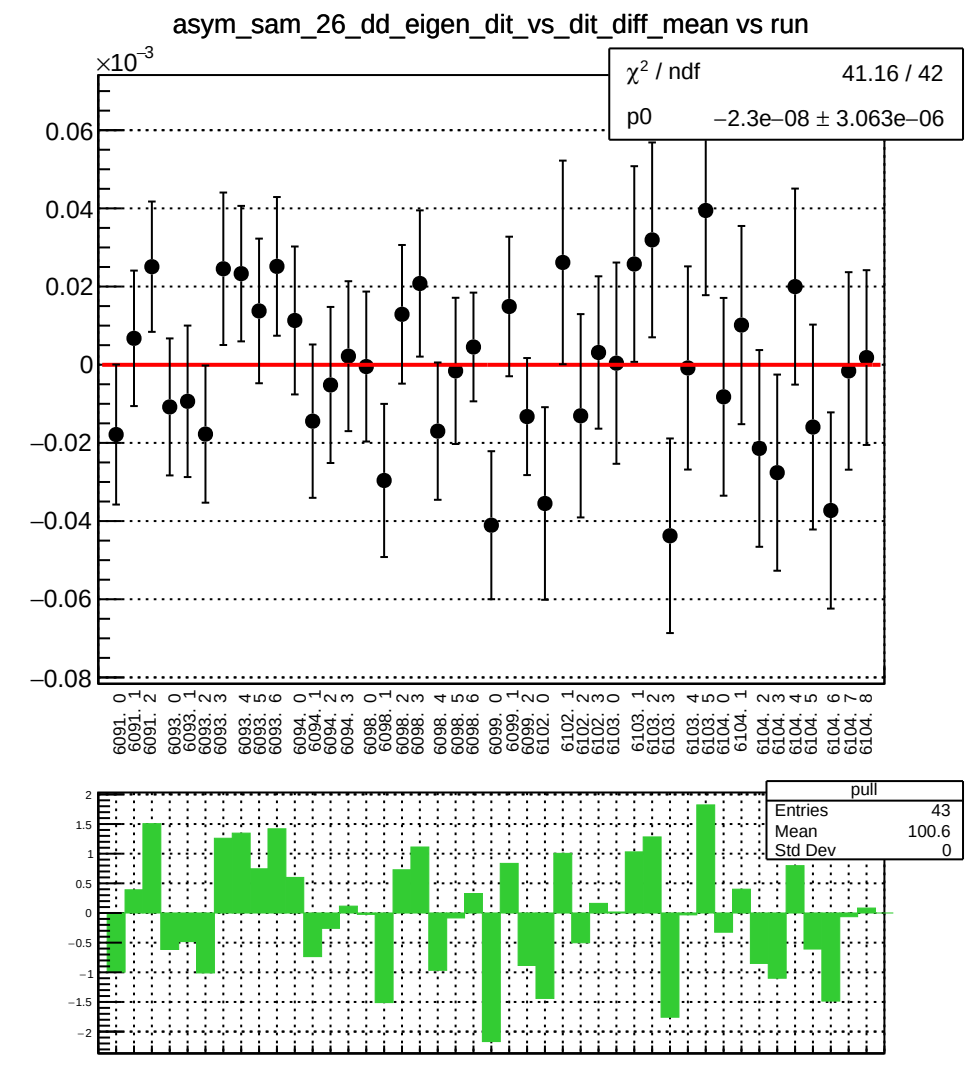

pull1D
Entries 43
Mean −0.02289
Std Dev 0.8568

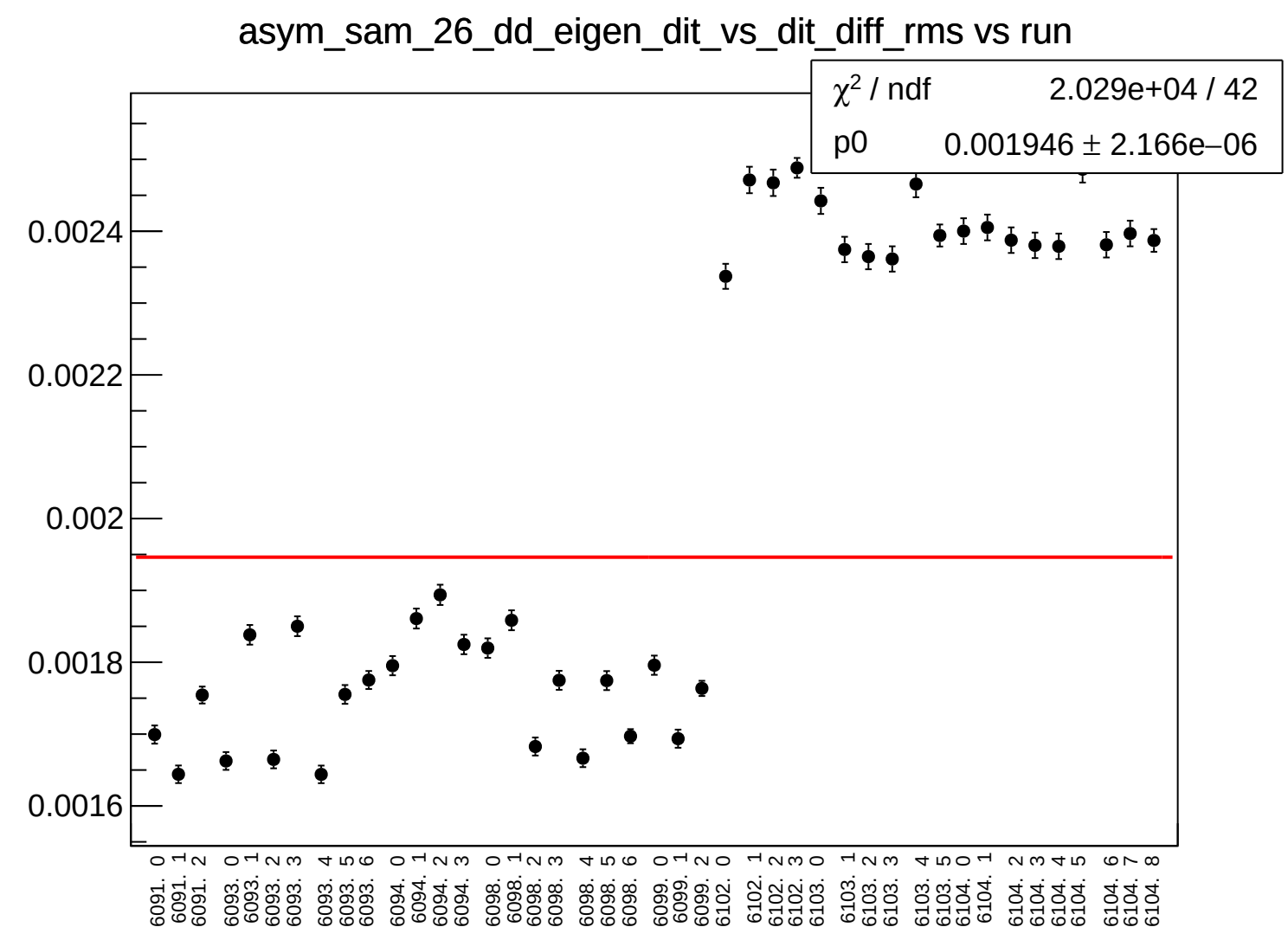

asym_sam_26_dd_dit_vs_cor_diff_rms vs run
χ² / ndf 9094 / 42
p0 73.13 ± 0.08083
95
90
85
80
75
70
65
60
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

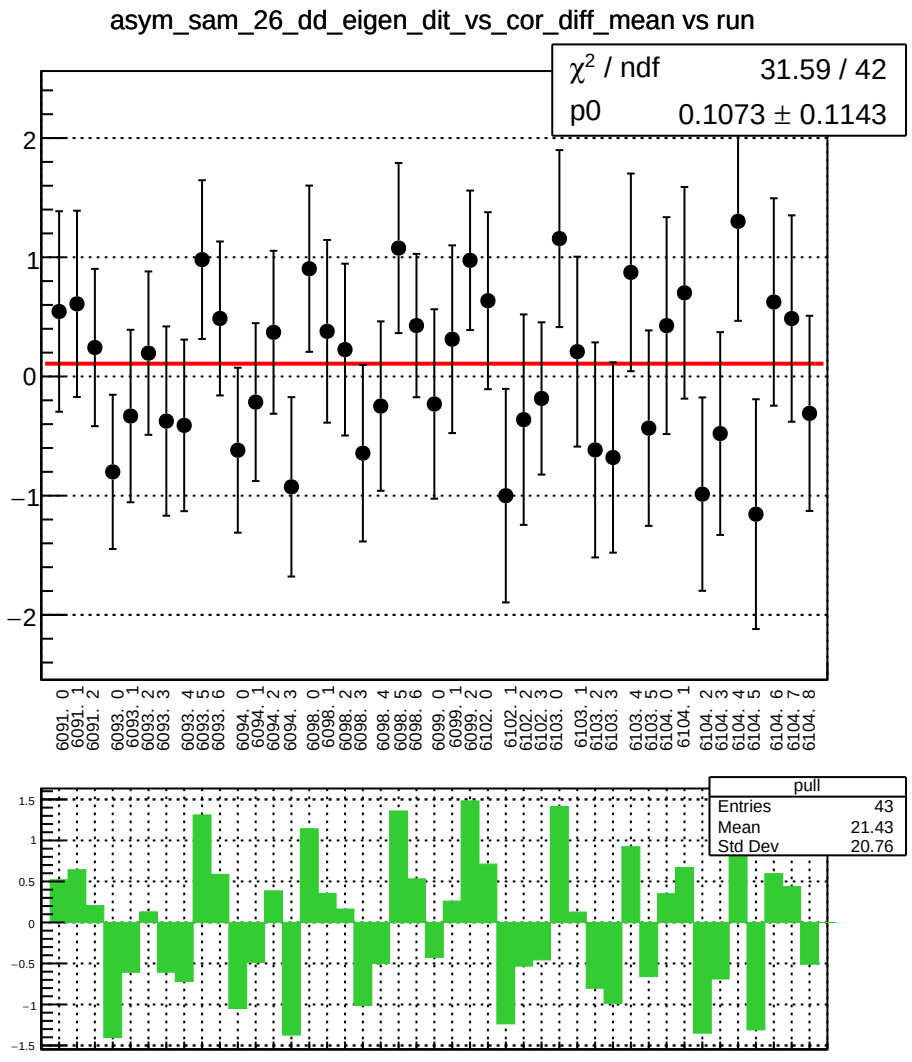

asym_sam_26_dd_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 31.59 / 42
p0 0.1073 ± 0.1143
pull
Entries 43
Mean 21.43
Std Dev 20.76

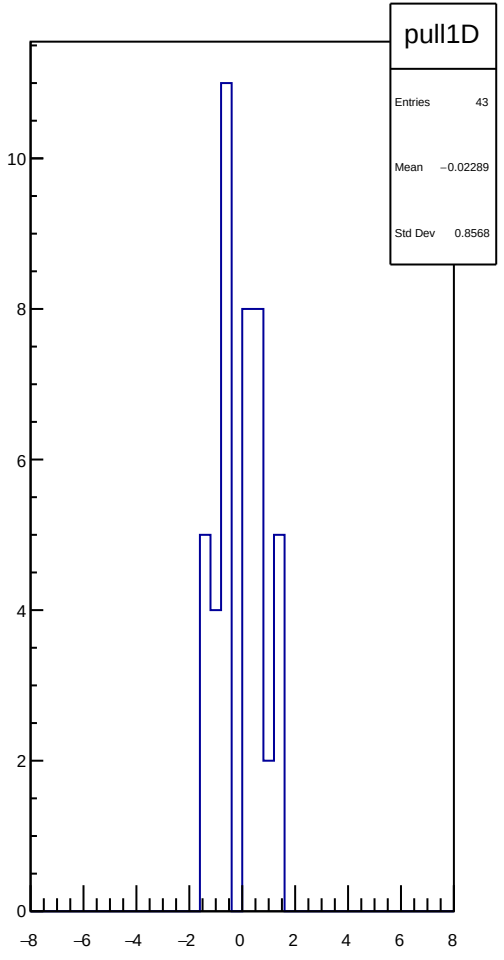

pull1D
Entries 43
Mean −0.02289
Std Dev 0.8568

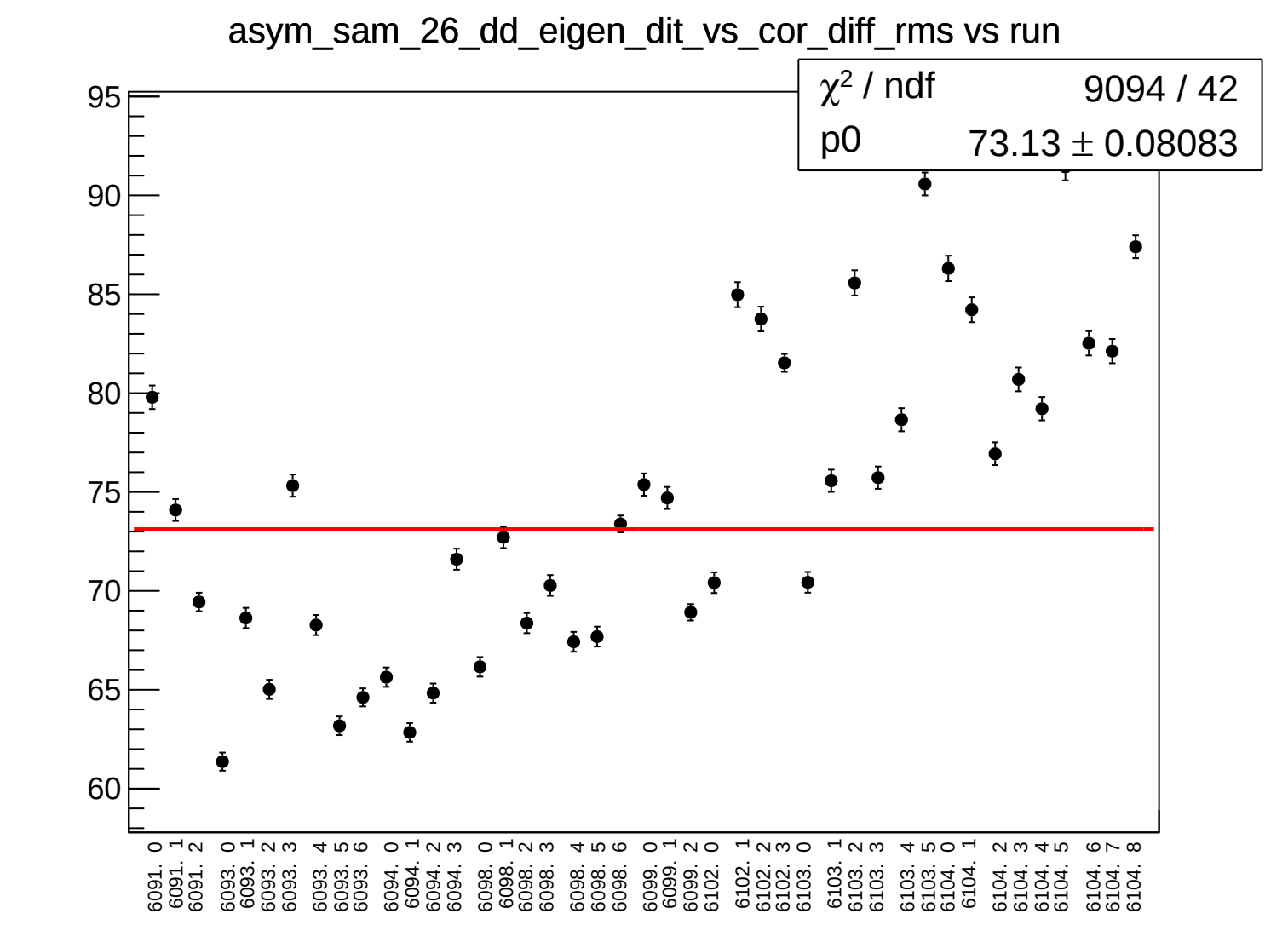

asym_sam_26_dd_dit_vs_eigen_cor_diff_rms vs run
χ^2 / ndf 9094 / 42
p0 73.13 ± 0.08083
95
90
85
80
75
70
65
60
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

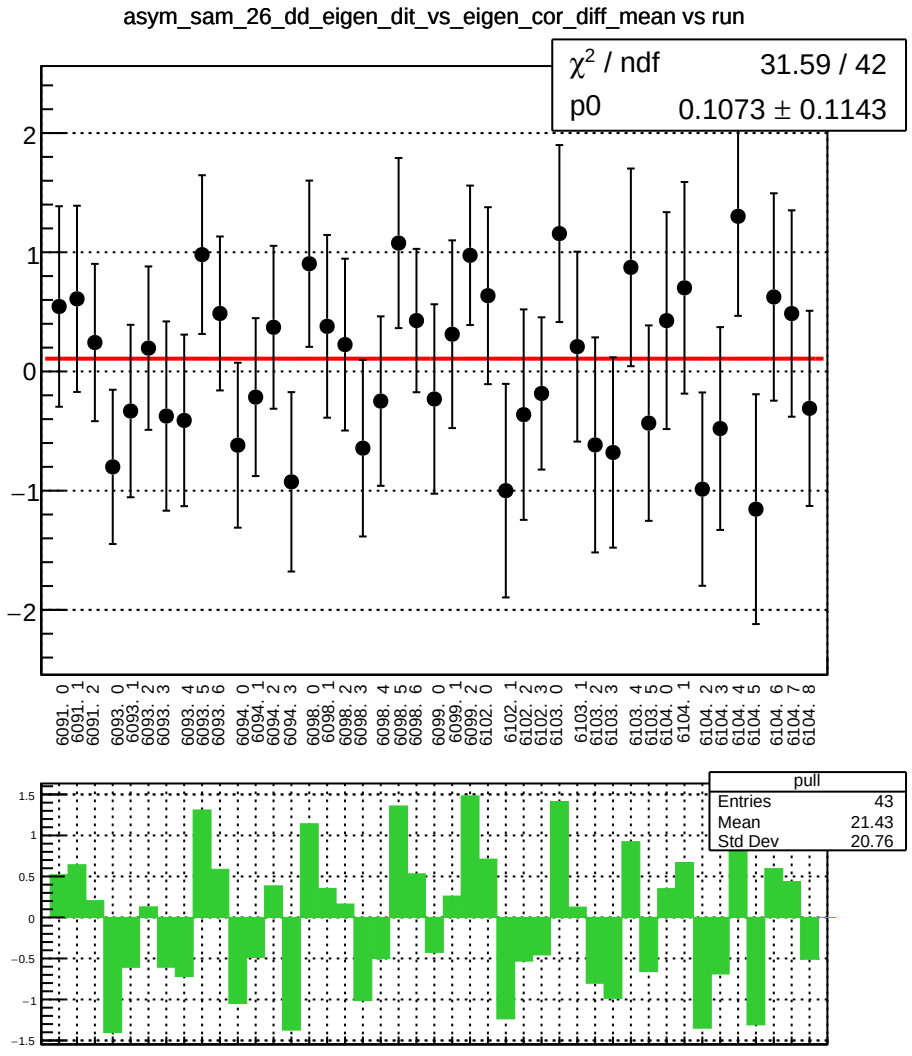

asym_sam_26_dd_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 41.16 / 42
p0 −2.3e−08 ± 3.063e−06
0.06
0.04
0.02
0
−0.02
−0.04
−0.06
−0.08
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 100.6
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 43
Mean −0.02101
Std Dev 0.9781
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

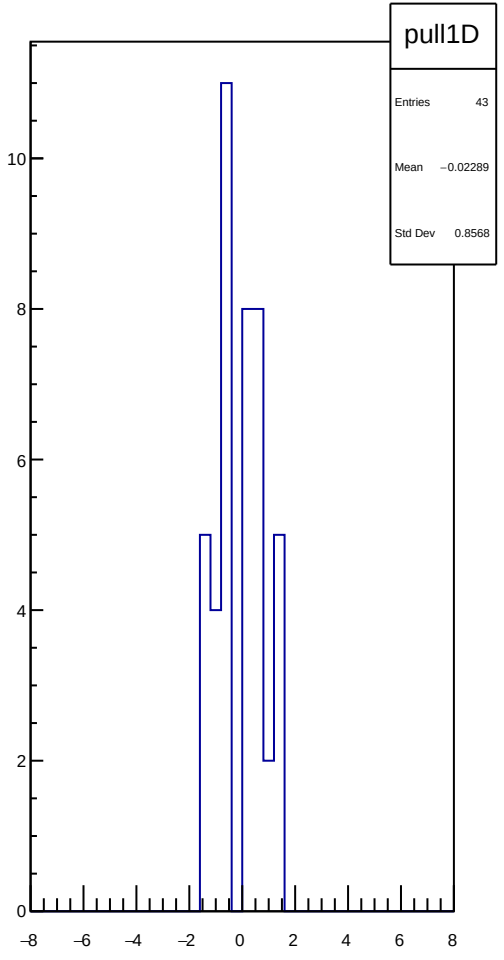

asym_sam_26_dd_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 2.029e+04 / 42
p0 0.001946 ± 2.166e−06
0.0024
0.0022
0.002
0.0018
0.0016
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

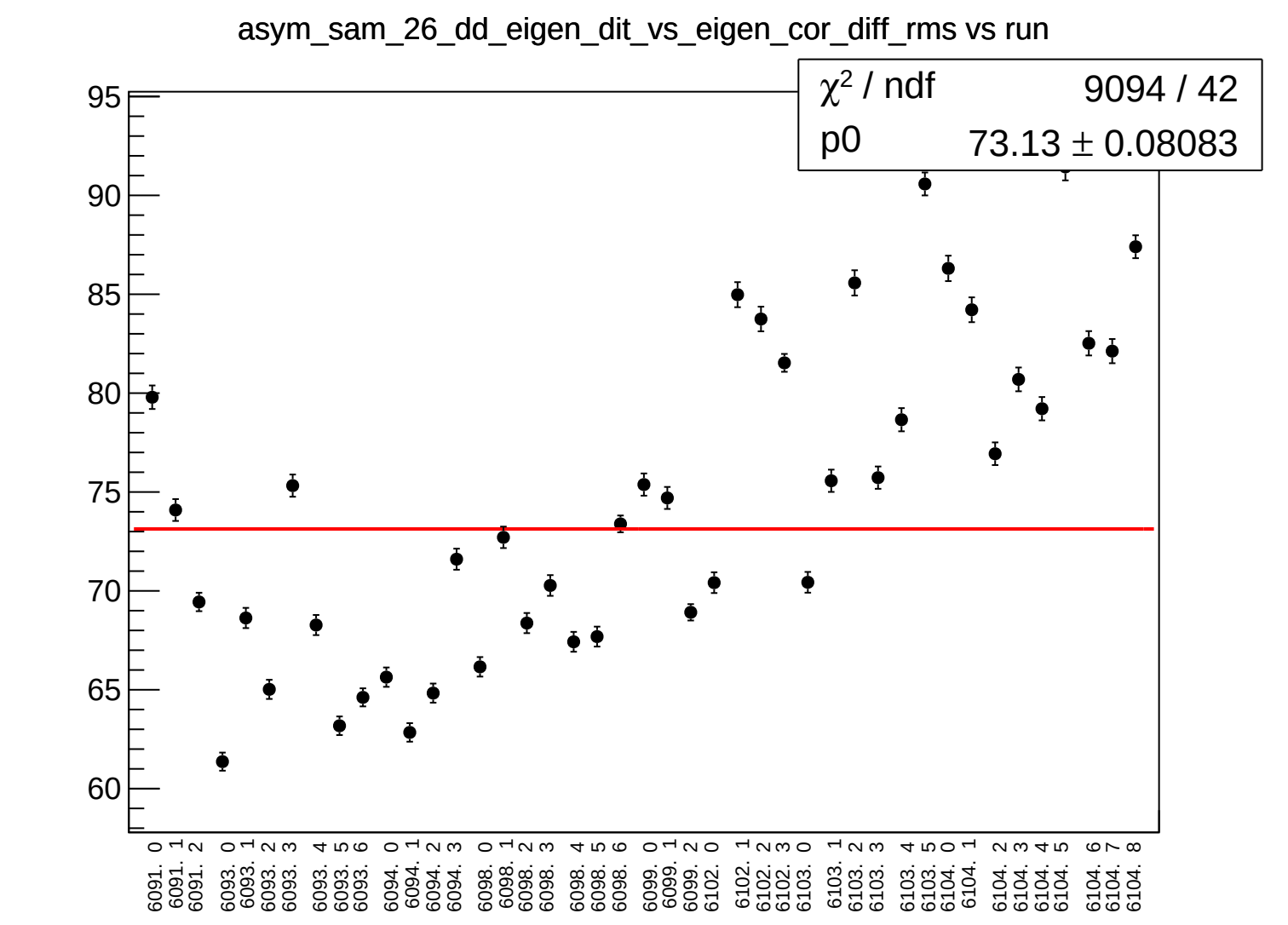

asym_sam_26_dd_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 31.59 / 42
p0 0.1073 ± 0.1143
pull
Entries 43
Mean 21.43
Std Dev 20.76

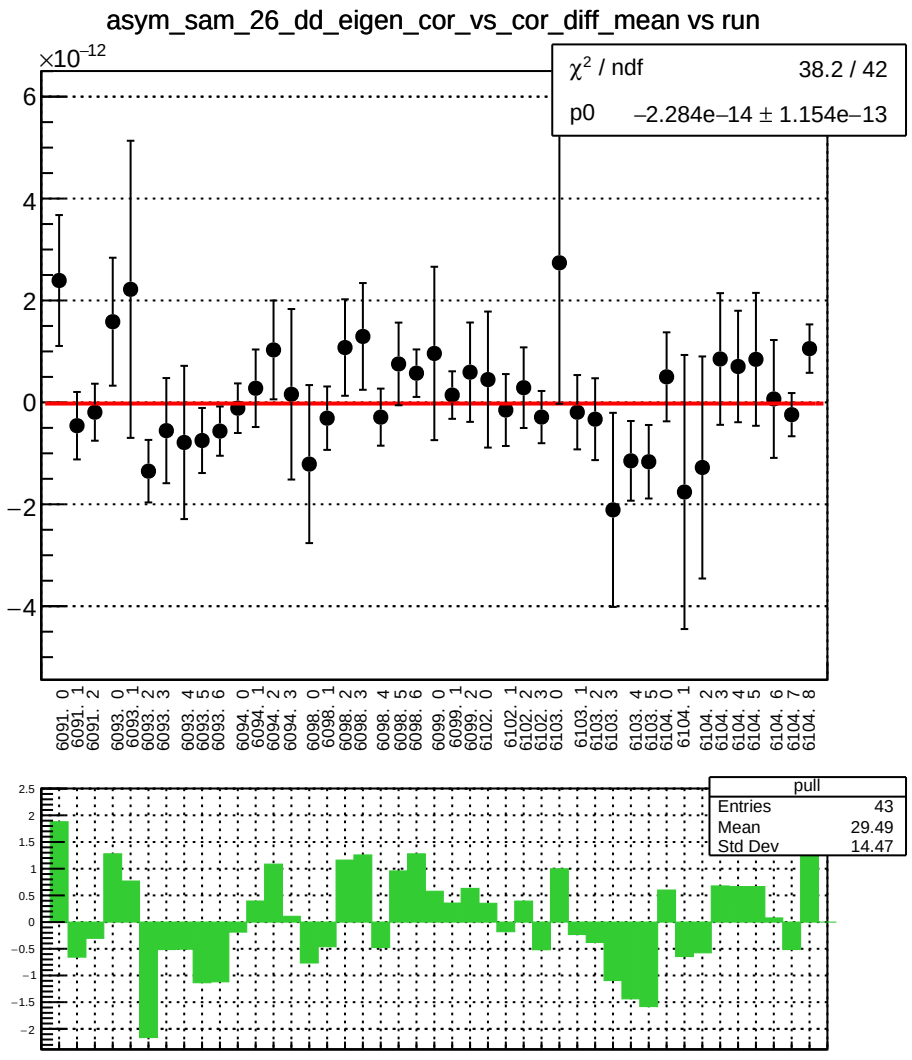

pull1D
Entries 43
Mean −0.02289
Std Dev 0.8568

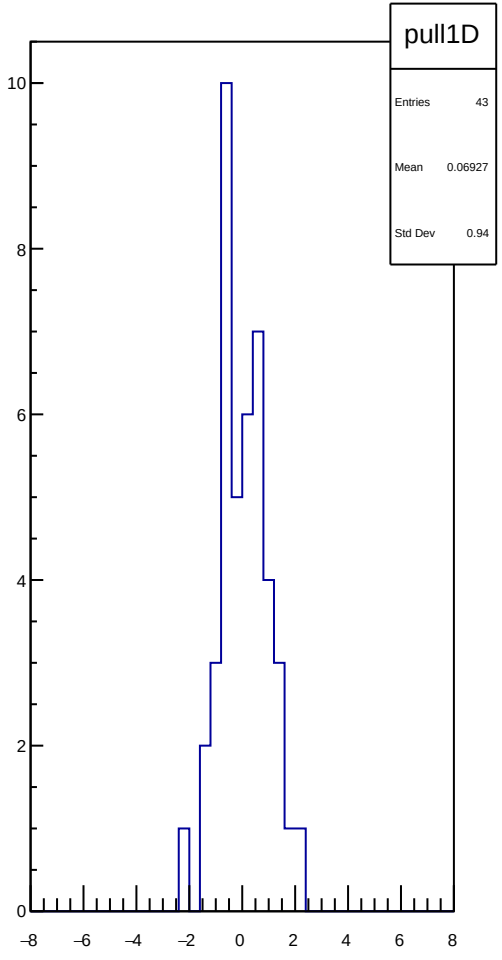

asym_sam_26_dd_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 9094 / 42
p0 73.13 ± 0.08083
95
90
85
80
75
70
65
60
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

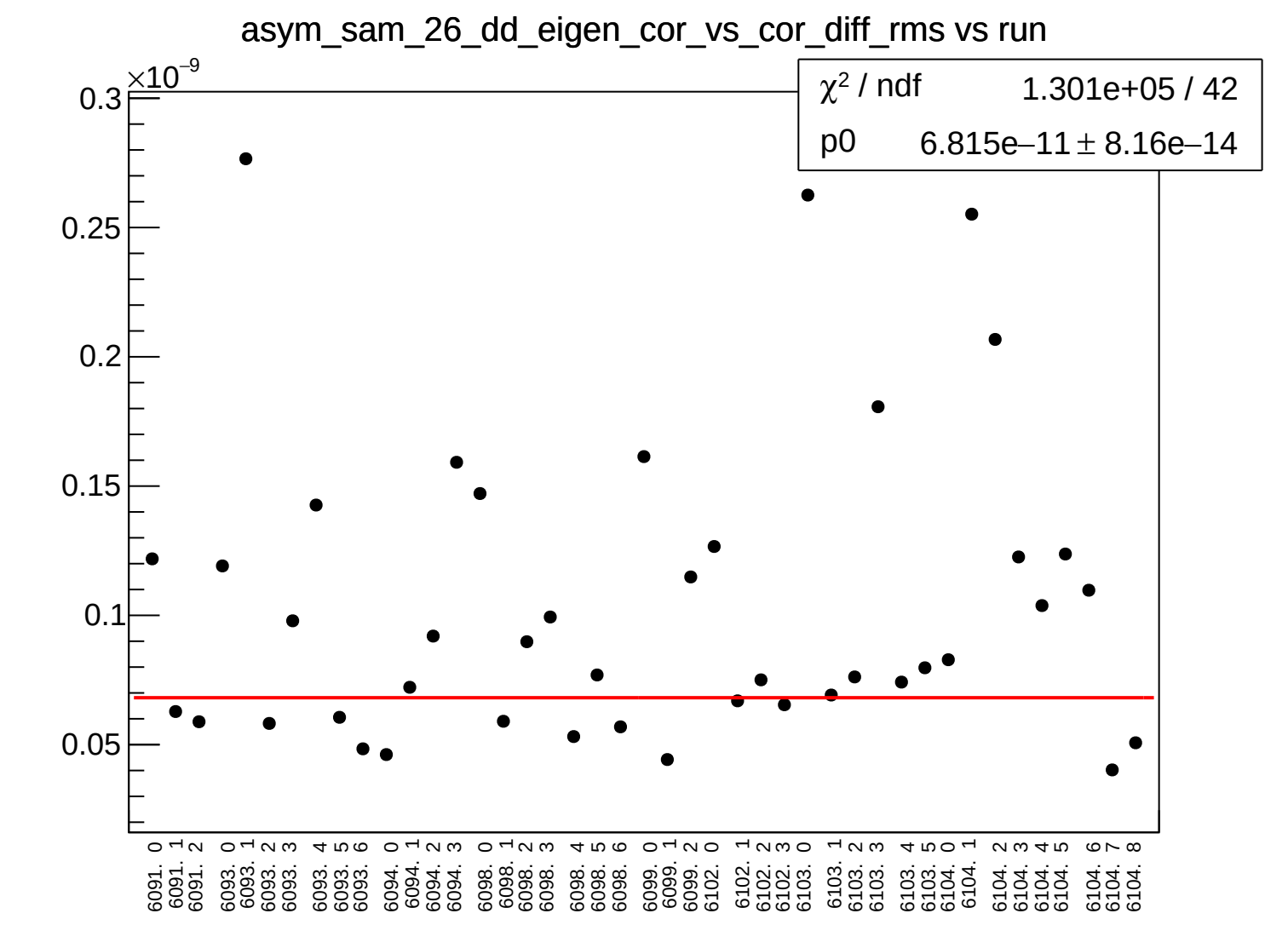

asym_sam_26_dd_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 31.59 / 42
p0 0.1073 ± 0.1143
pull
Entries 43
Mean 21.43
Std Dev 20.76

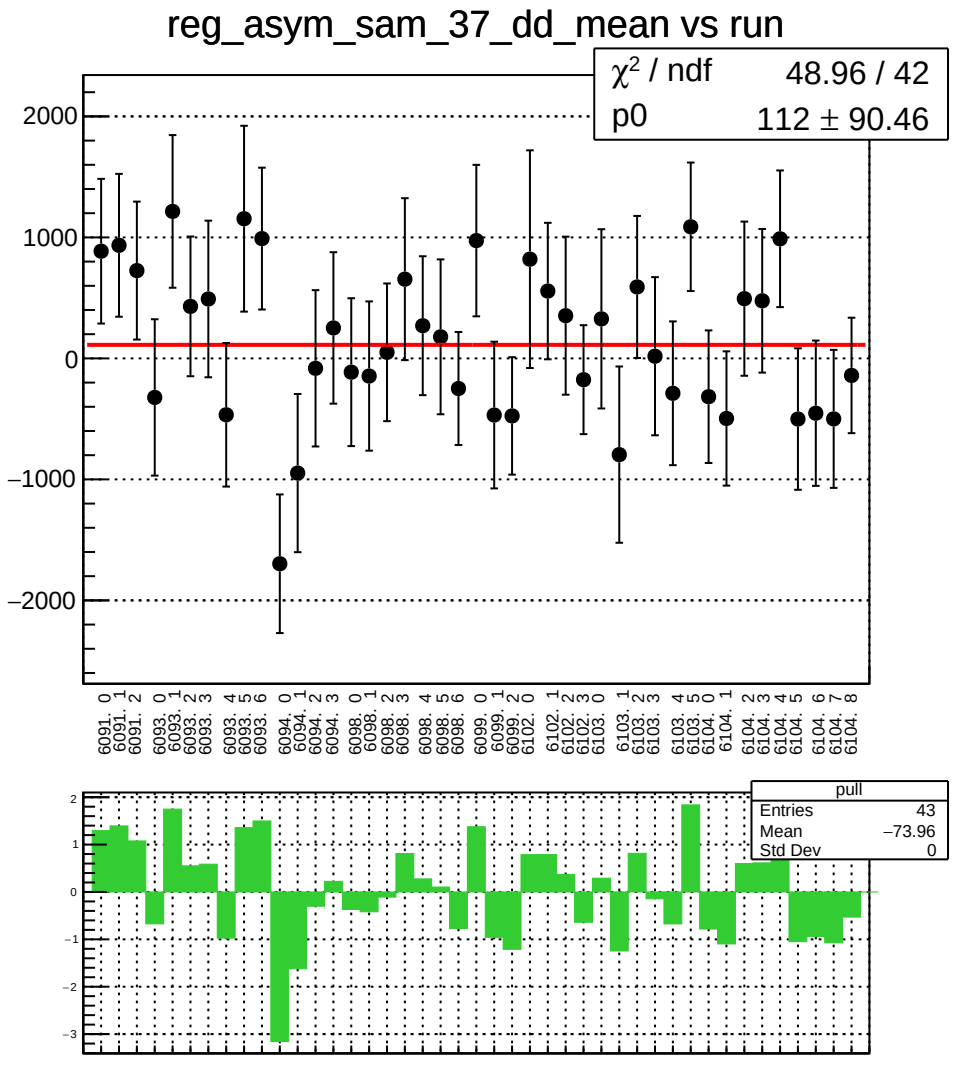

pull1D
Entries 43
Mean −0.02289
Std Dev 0.8568

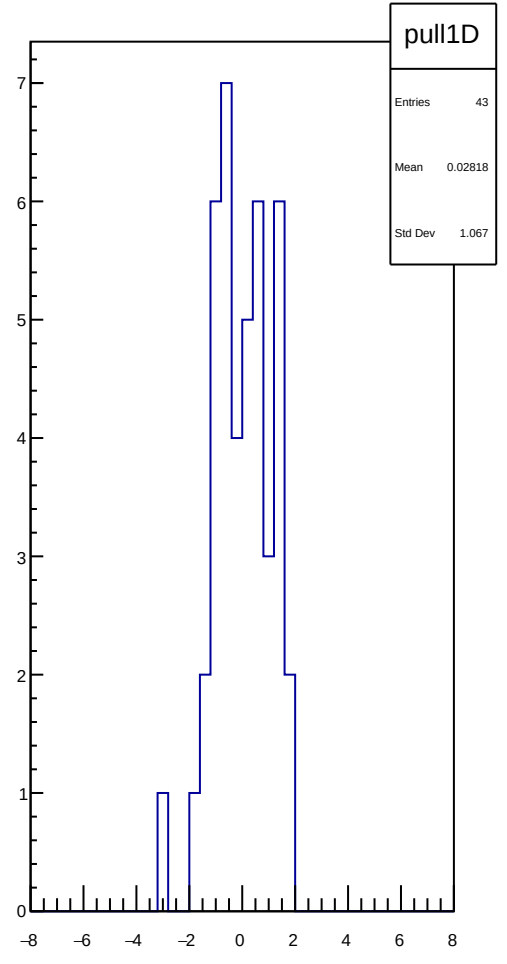

asym_sam_26_dd_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 9094 / 42
p0 73.13 ± 0.08083
95
90
85
80
75
70
65
60
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

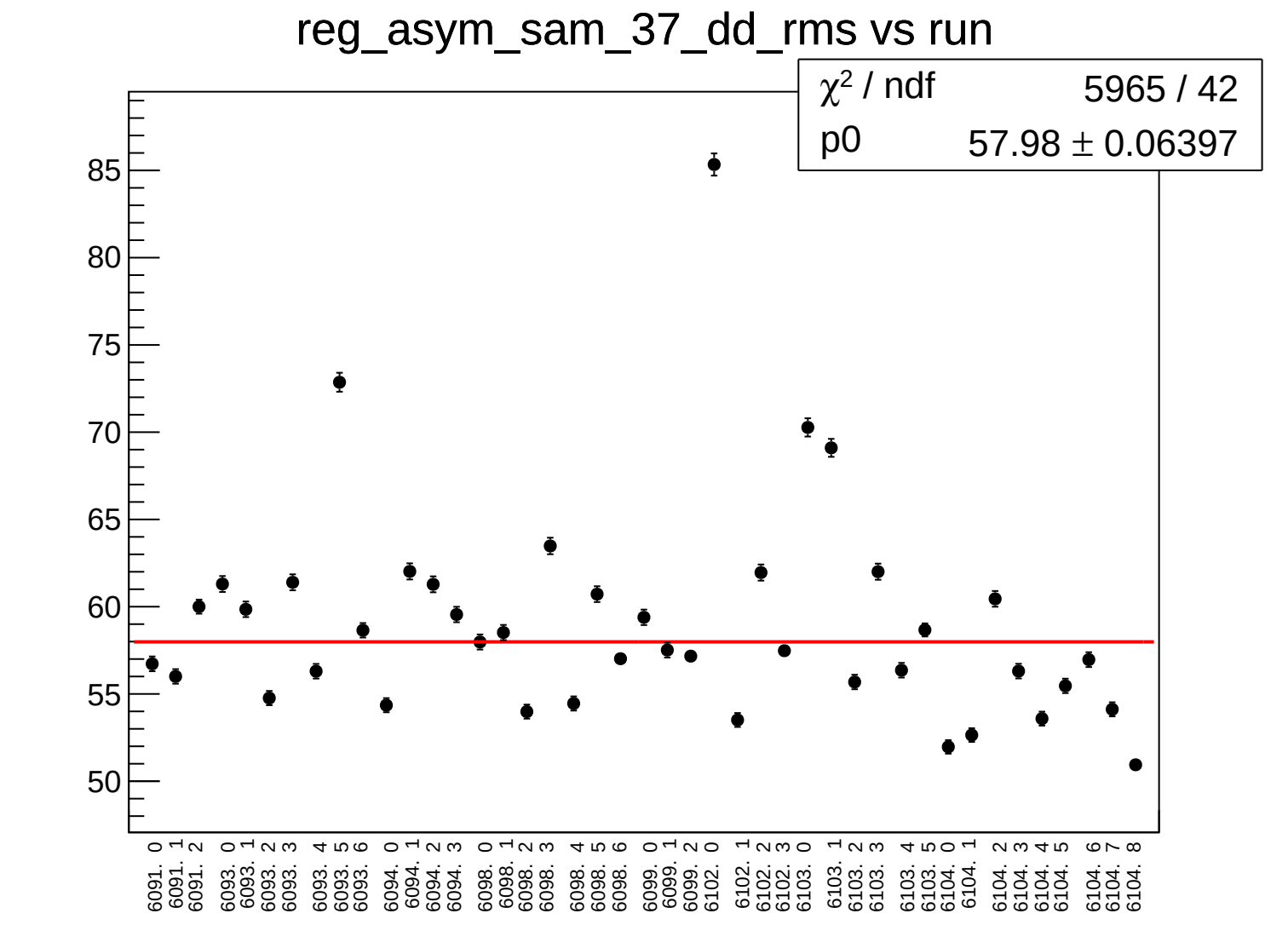

asym_sam_26_dd_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 38.2 / 42
p0 −2.284e−14 ± 1.154e−13
6
4
2
0
−2
−4
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 29.49
Std Dev 14.47
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

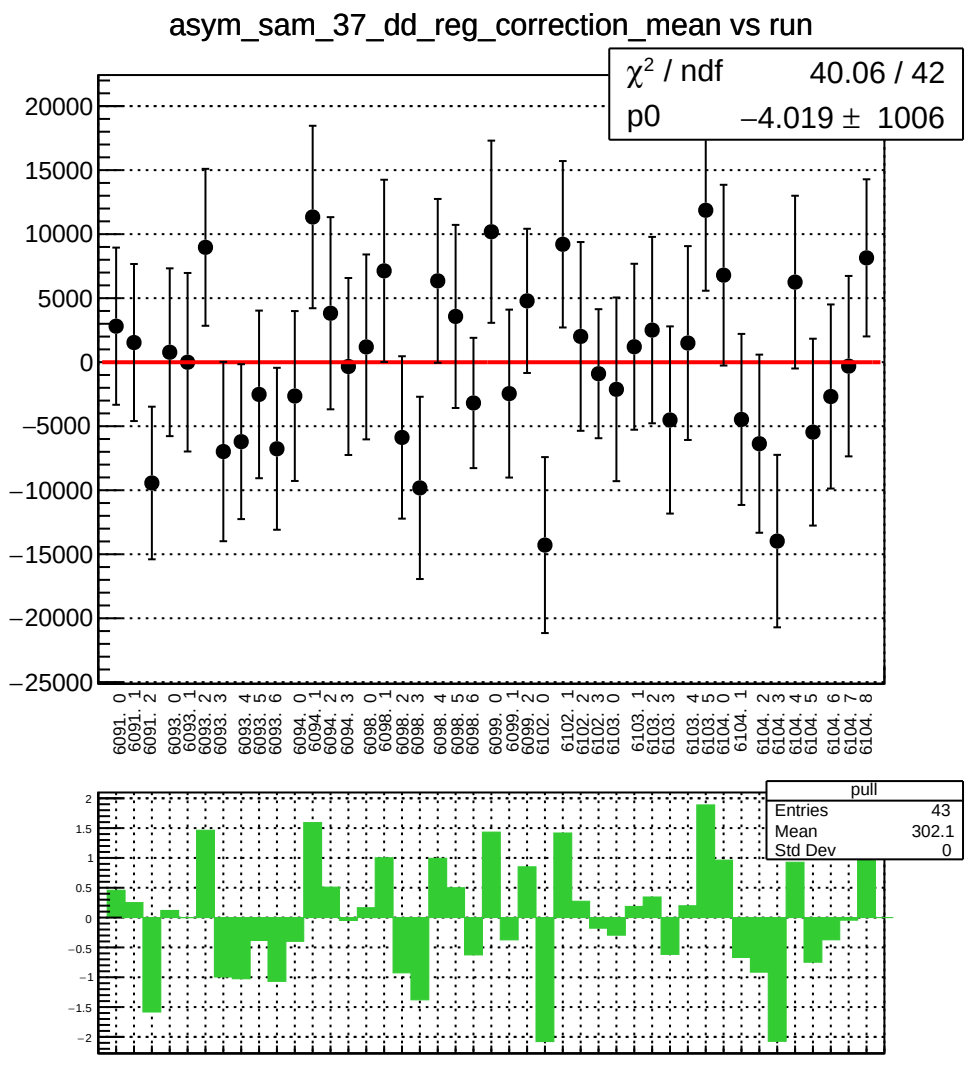

pull1D
Entries 43
Mean 0.06927
Std Dev 0.94
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

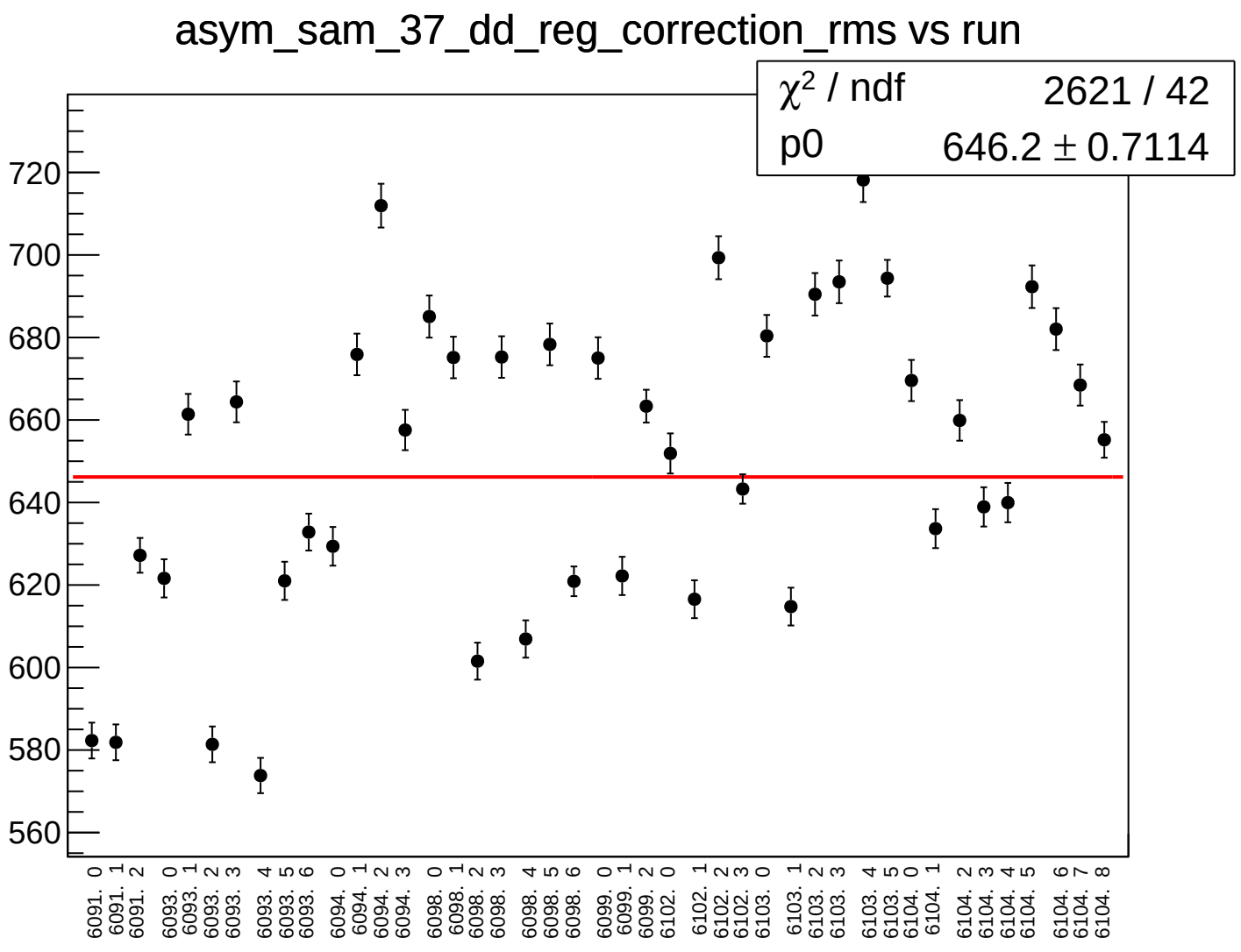

asym_sam_26_dd_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 1.301e+05 / 42
p0 6.815e−11 ± 8.16e−14
0.3
0.25
0.2
0.15
0.1
0.05
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

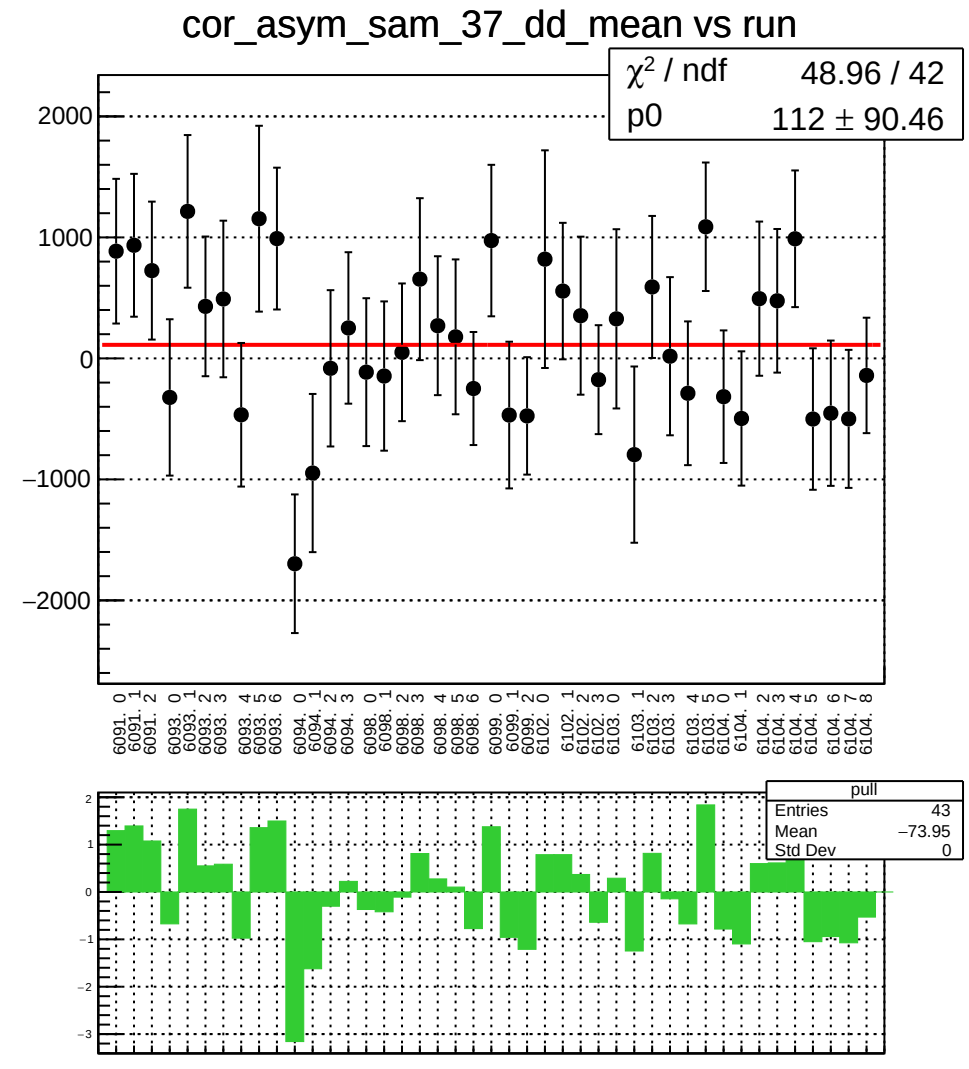

reg_asym_sam_37_dd_mean vs run
χ² / ndf 48.96 / 42
p0 112 ± 90.46
2000
1000
0
−1000
−2000
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean −73.96
Std Dev 0
2
1
0
−1
−2
−3

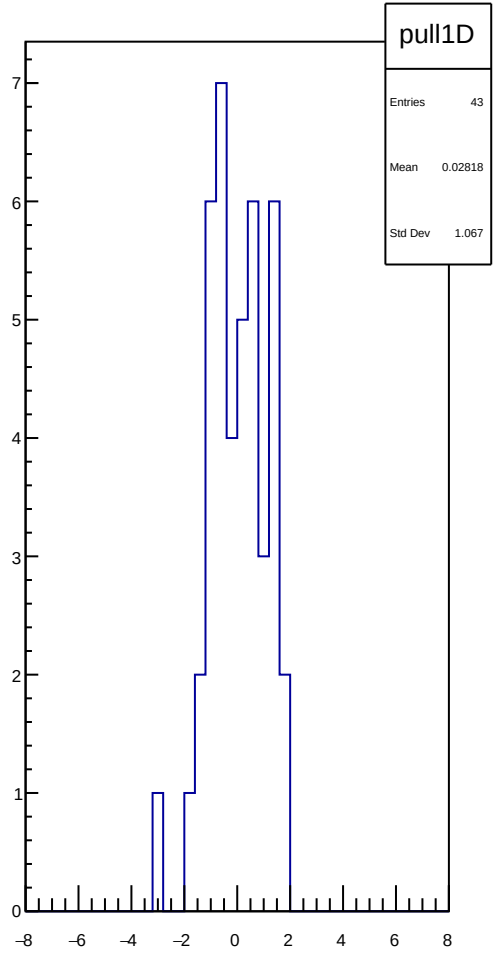

pull1D
Entries 43
Mean 0.02818
Std Dev 1.067
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

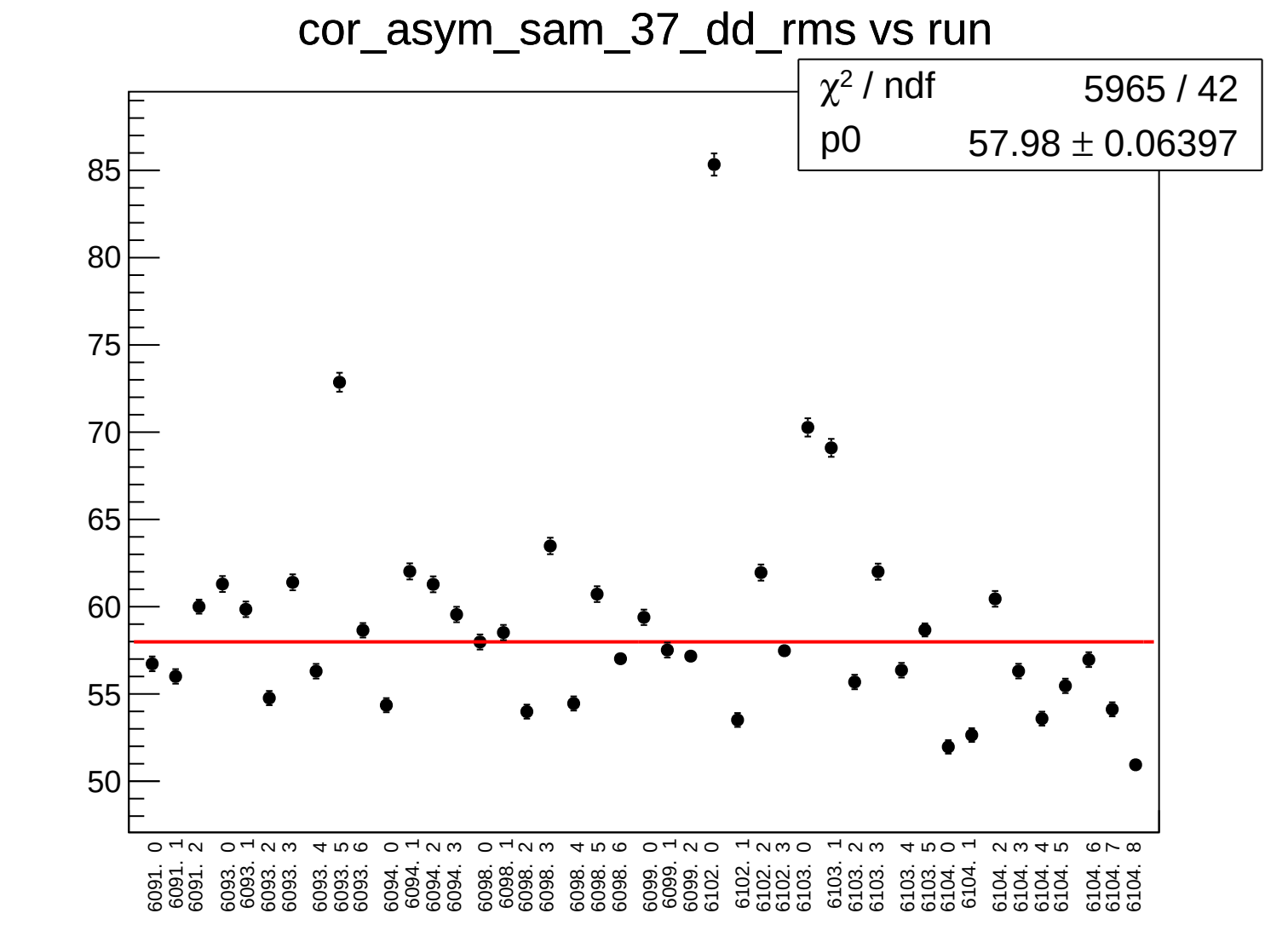

reg_asym_sam_37_dd_rms vs run
χ² / ndf 5965 / 42
p0 57.98 ± 0.06397
85
80
75
70
65
60
55
50
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

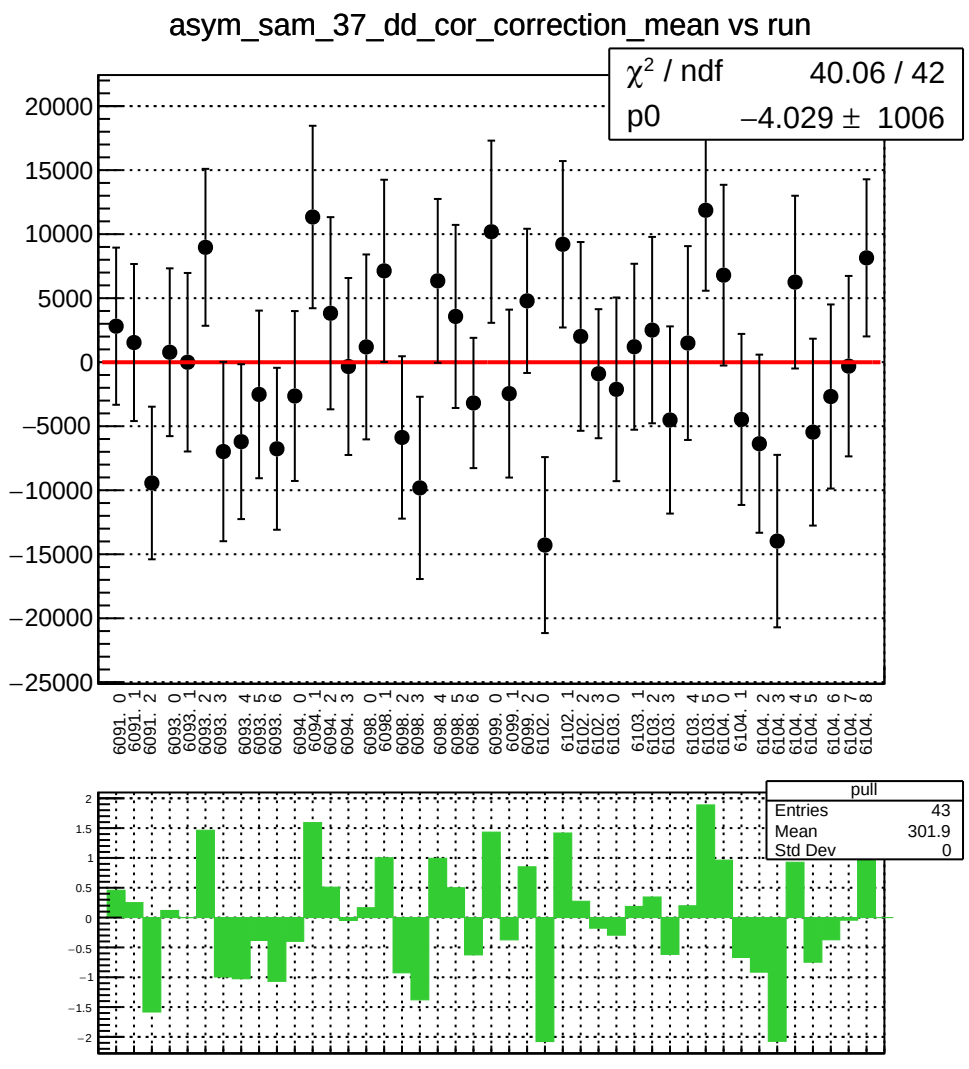

asym_sam_37_dd_reg_correction_mean vs run
χ² / ndf 40.06 / 42
p0 −4.019 ± 1006
20000
15000
10000
5000
0
−5000
−10000
−15000
−20000
−25000
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 302.1
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 43
Mean 0.001791
Std Dev 0.9652
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

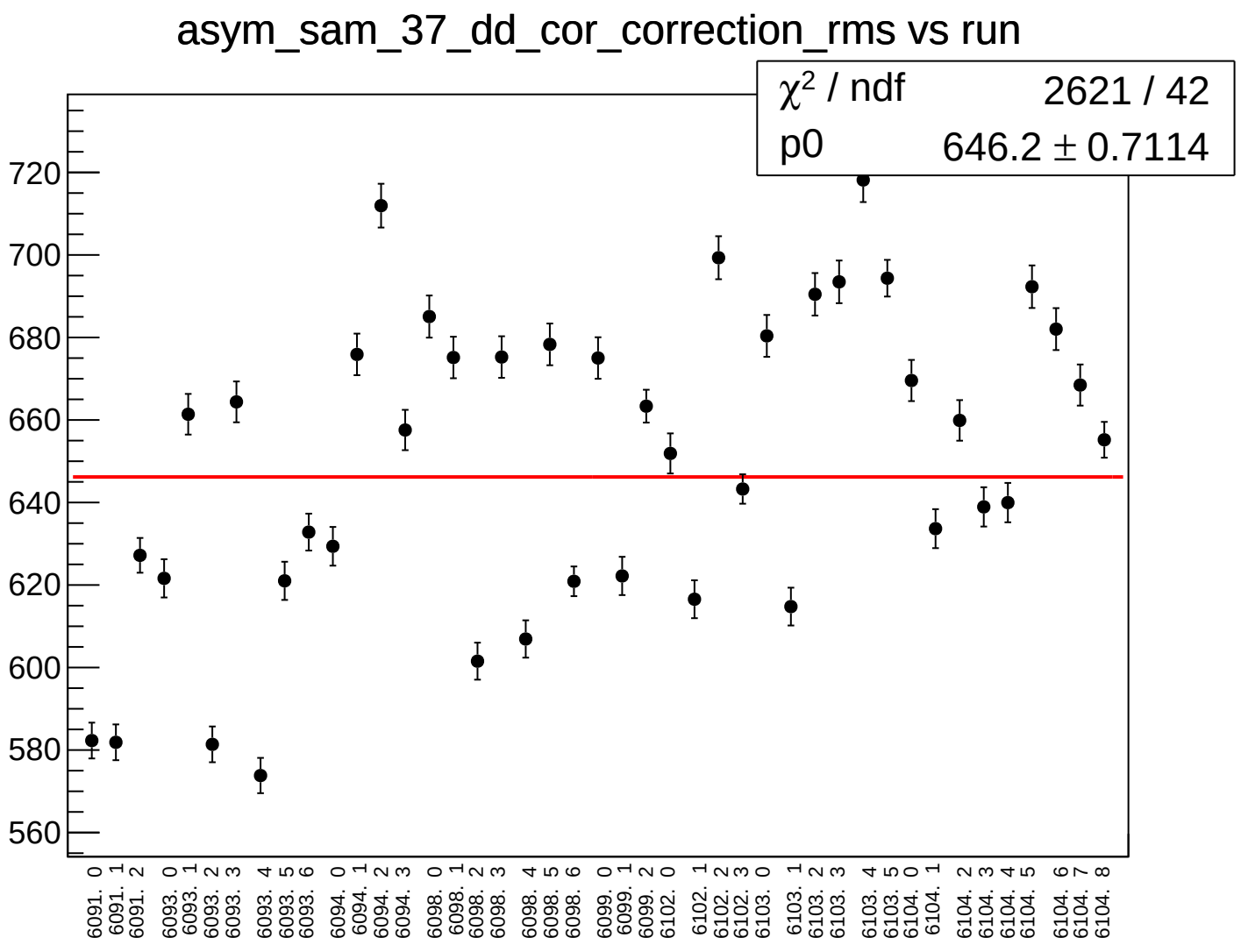

asym_sam_37_dd_reg_correction_rms vs run
χ² / ndf 2621 / 42
p0 646.2 ± 0.7114
720
700
680
660
640
620
600
580
560
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8


cor_asym_sam_37_dd_mean vs run
χ² / ndf 48.96 / 42
p0 112 ± 90.46
2000
1000
0
−1000
−2000
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean −73.95
Std Dev 0
2
1
0
−1
−2
−3


pull1D
Entries 43
Mean 0.02818
Std Dev 1.067
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


cor_asym_sam_37_dd_rms vs run
χ² / ndf 5965 / 42
p0 57.98 ± 0.06397
85
80
75
70
65
60
55
50
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8


asym_sam_37_dd_cor_correction_mean vs run
χ² / ndf 40.06 / 42
p0 −4.029 ± 1006
20000
15000
10000
5000
0
−5000
−10000
−15000
−20000
−25000
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 301.9
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 43
Mean 0.001792
Std Dev 0.9652
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


asym_sam_37_dd_cor_correction_rms vs run
χ² / ndf 2621 / 42
p0 646.2 ± 0.7114
720
700
680
660
640
620
600
580
560
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
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6104. 1
6104. 2
6104. 3
6104. 4
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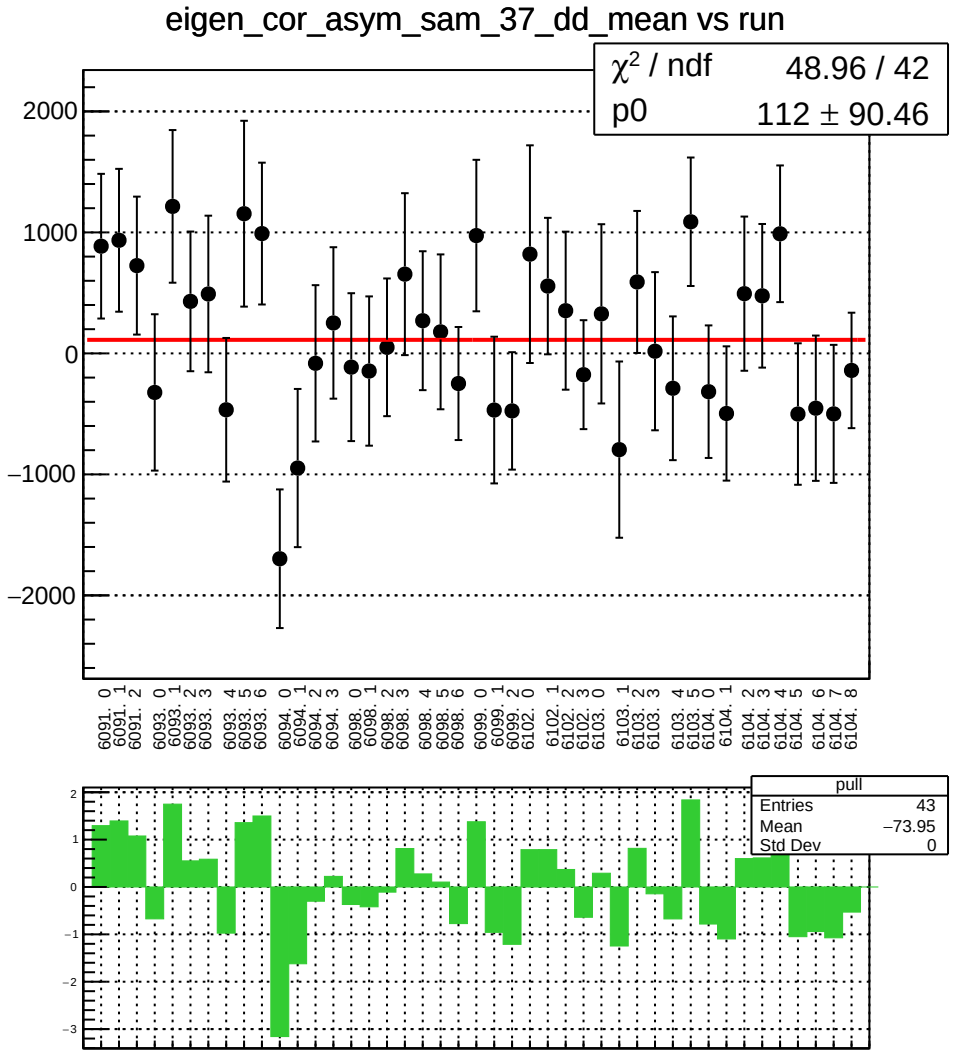
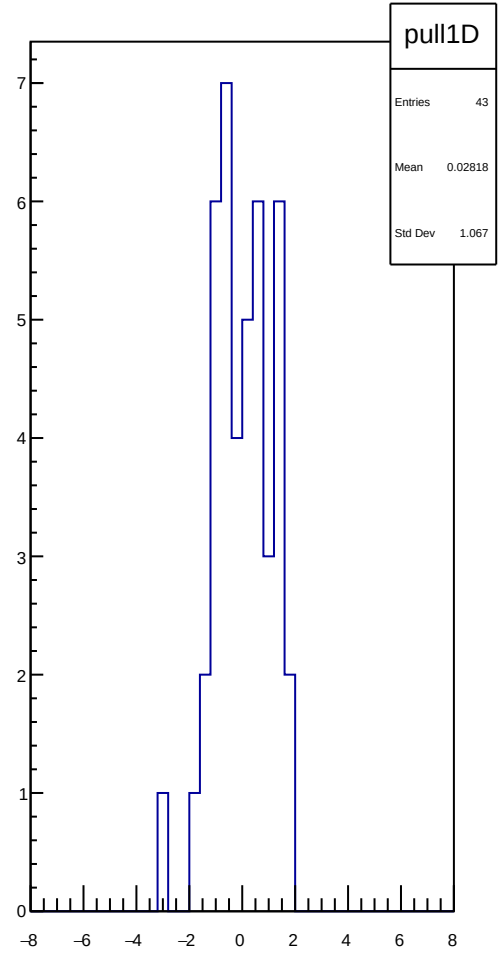
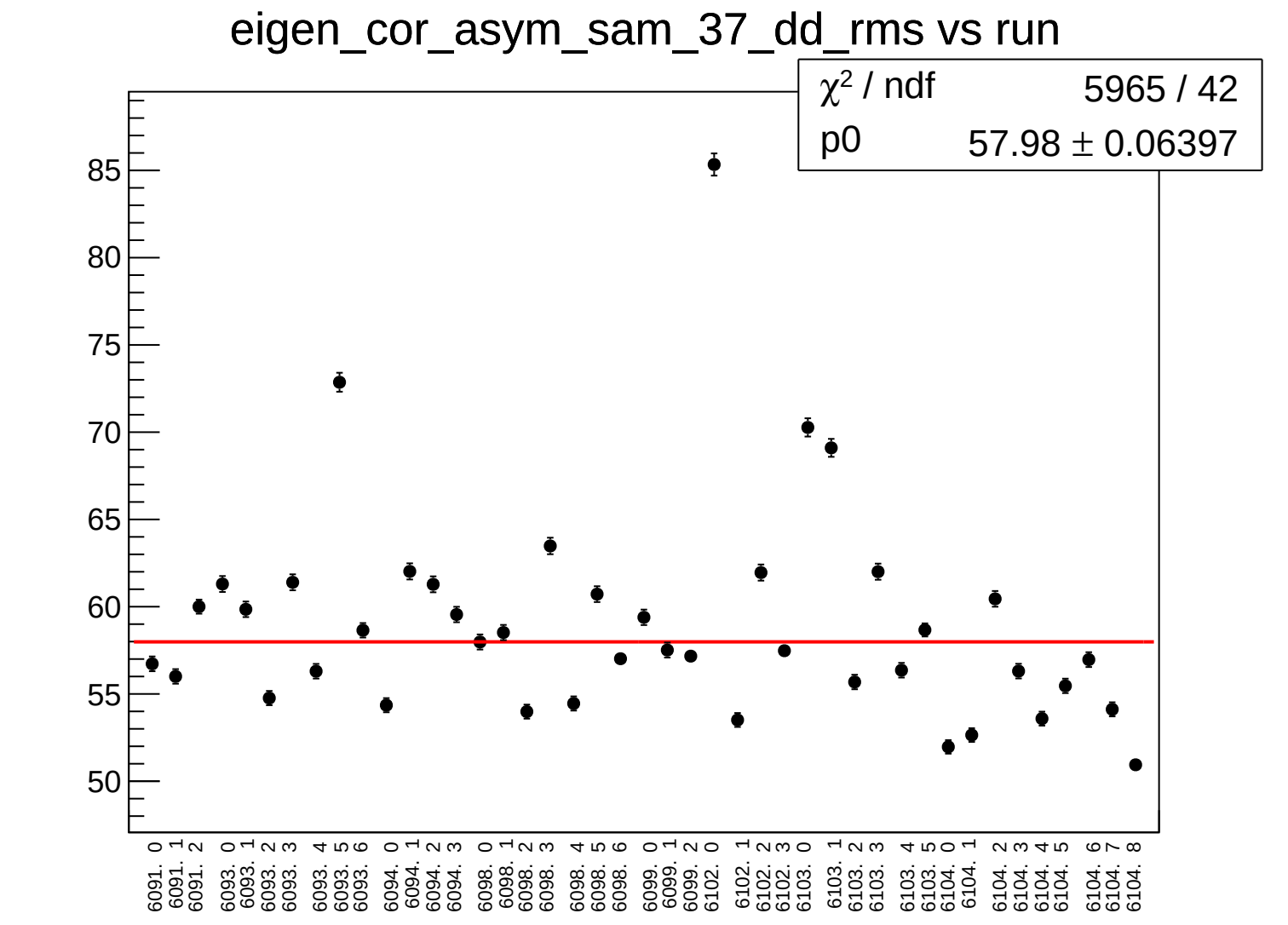
6104. 6
6104. 7
6104. 8


eigen_cor_asym_sam_37_dd_mean vs run
χ² / ndf 48.96 / 42
p0 112 ± 90.46
2000
1000
0
−1000
−2000
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean −73.95
Std Dev 0
2
1
0
−1
−2
−3


pull1D
Entries 43
Mean 0.02818
Std Dev 1.067
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


eigen_cor_asym_sam_37_dd_rms vs run
χ² / ndf 5965 / 42
p0 57.98 ± 0.06397
85
80
75
70
65
60
55
50
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
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6094. 0
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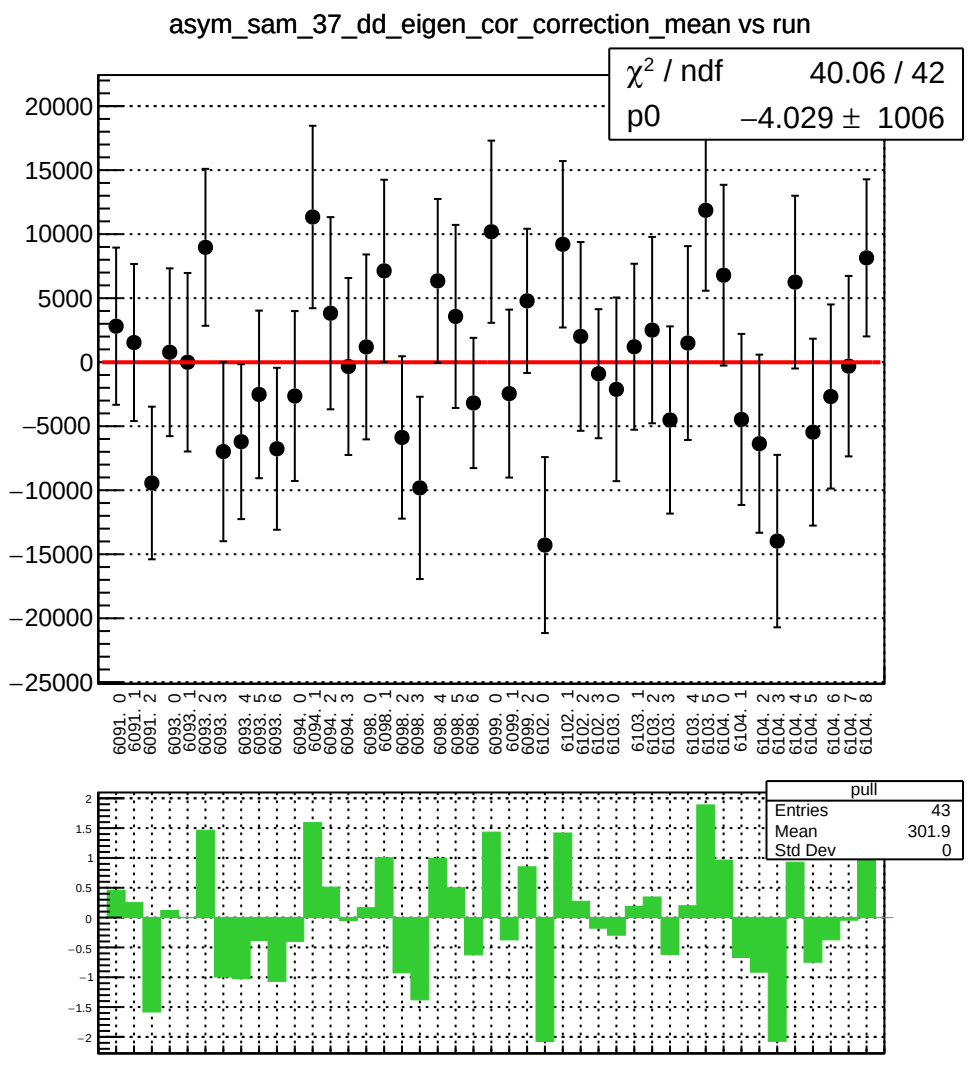
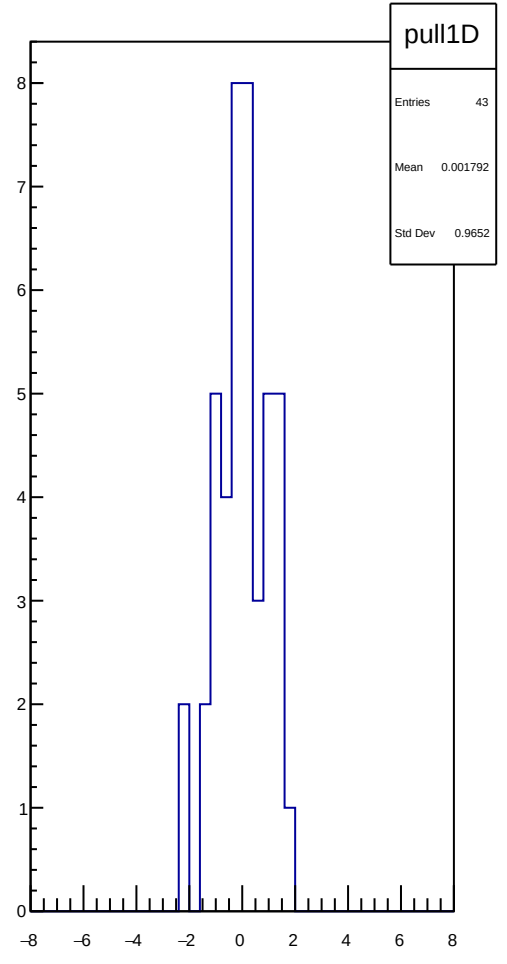
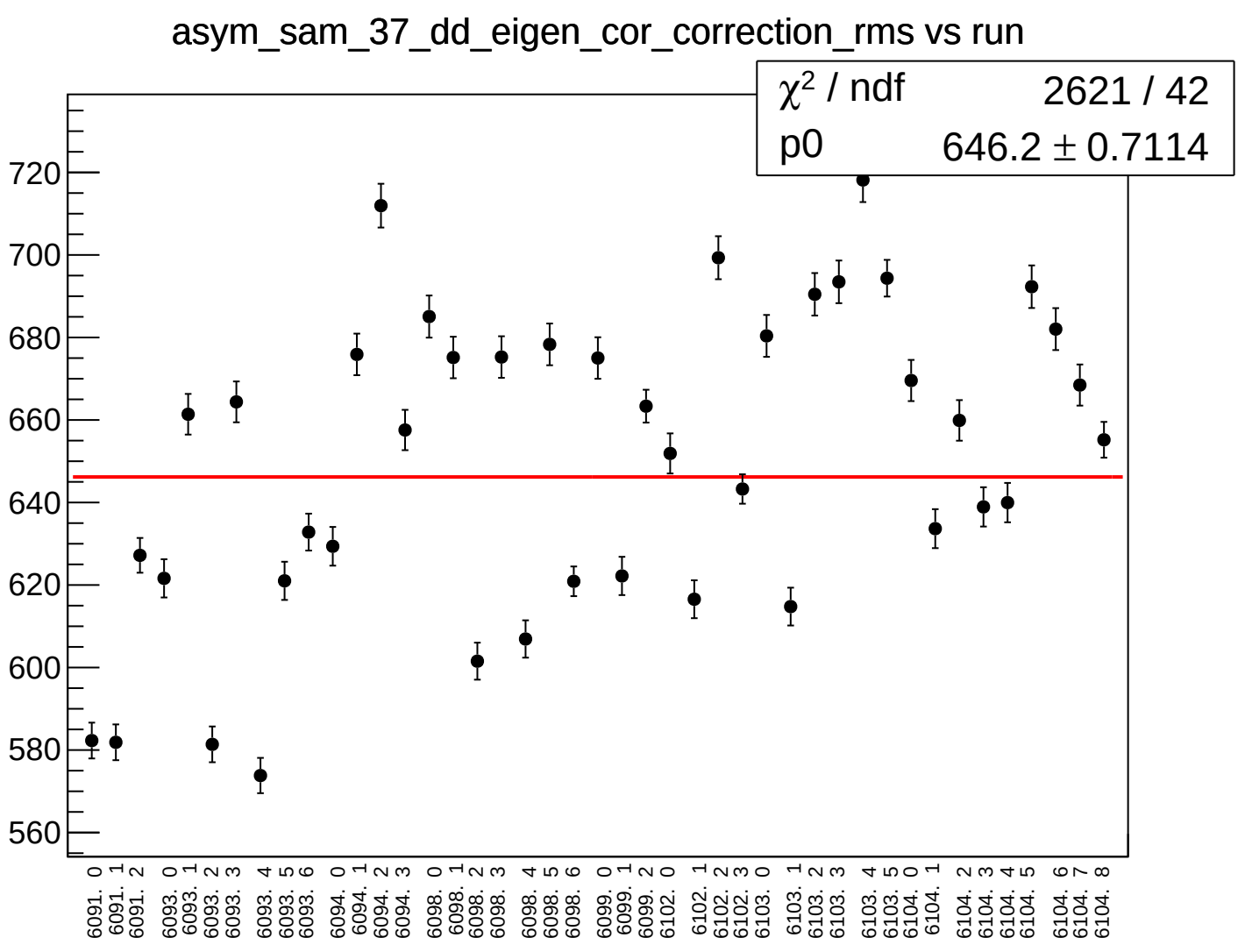
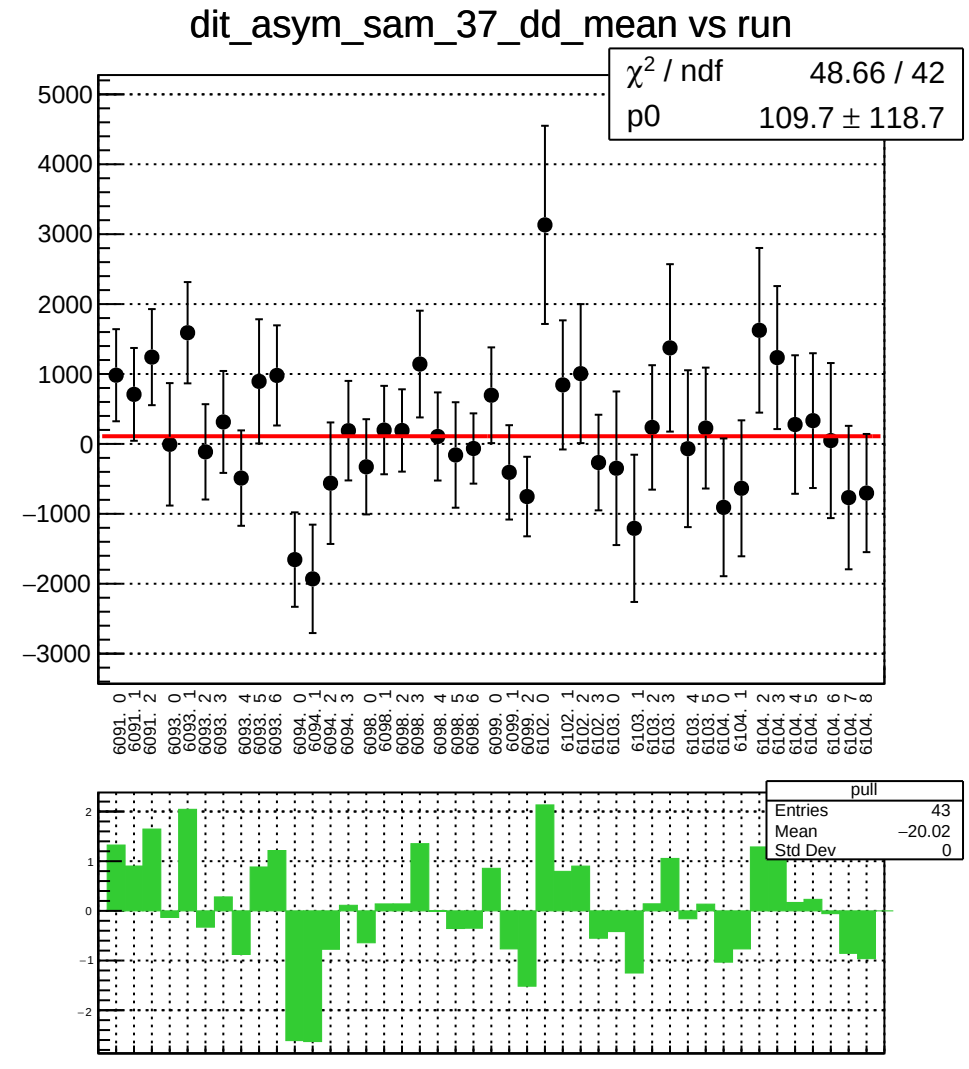
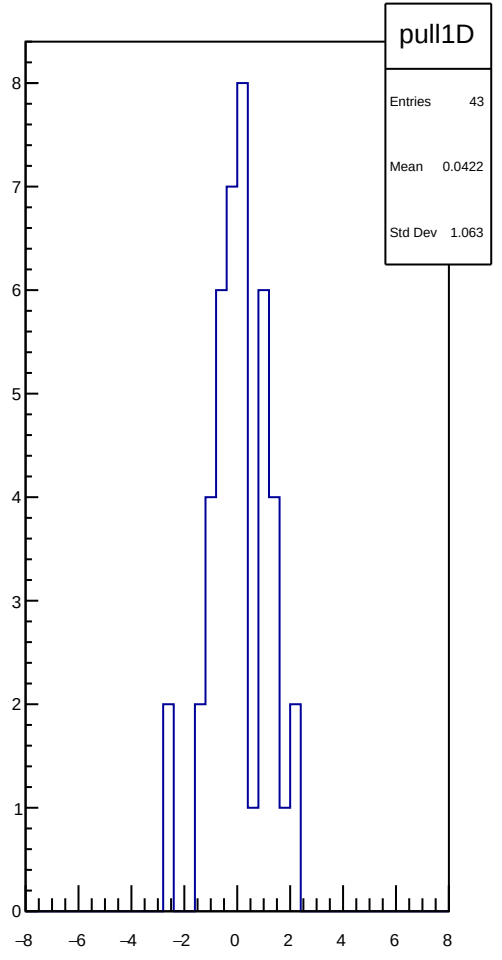
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

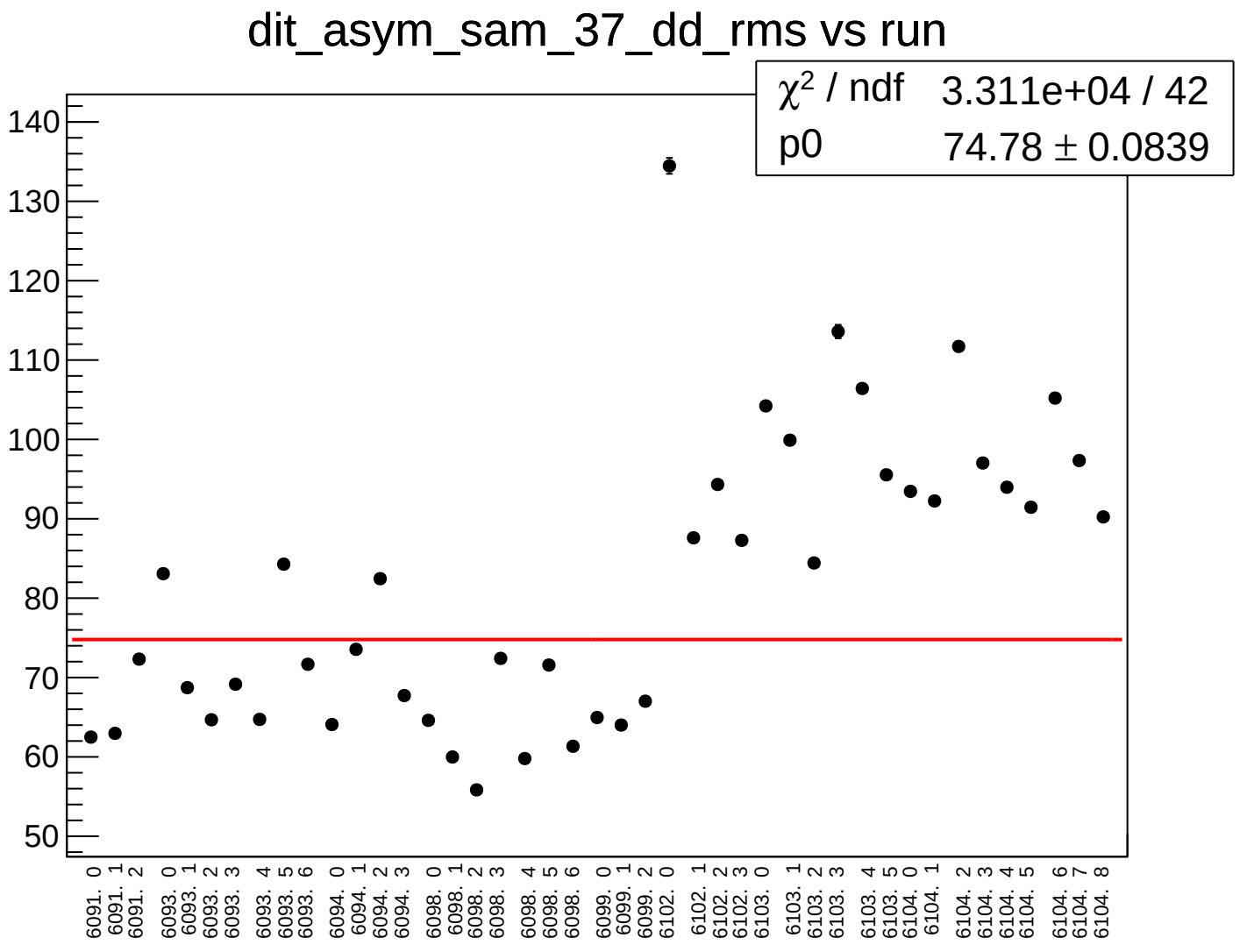

asym_sam_37_dd_eigen_cor_correction_mean vs run
χ² / ndf 40.06 / 42
p0 −4.029 ± 1006
pull
Entries 43
Mean 301.9
Std Dev 0

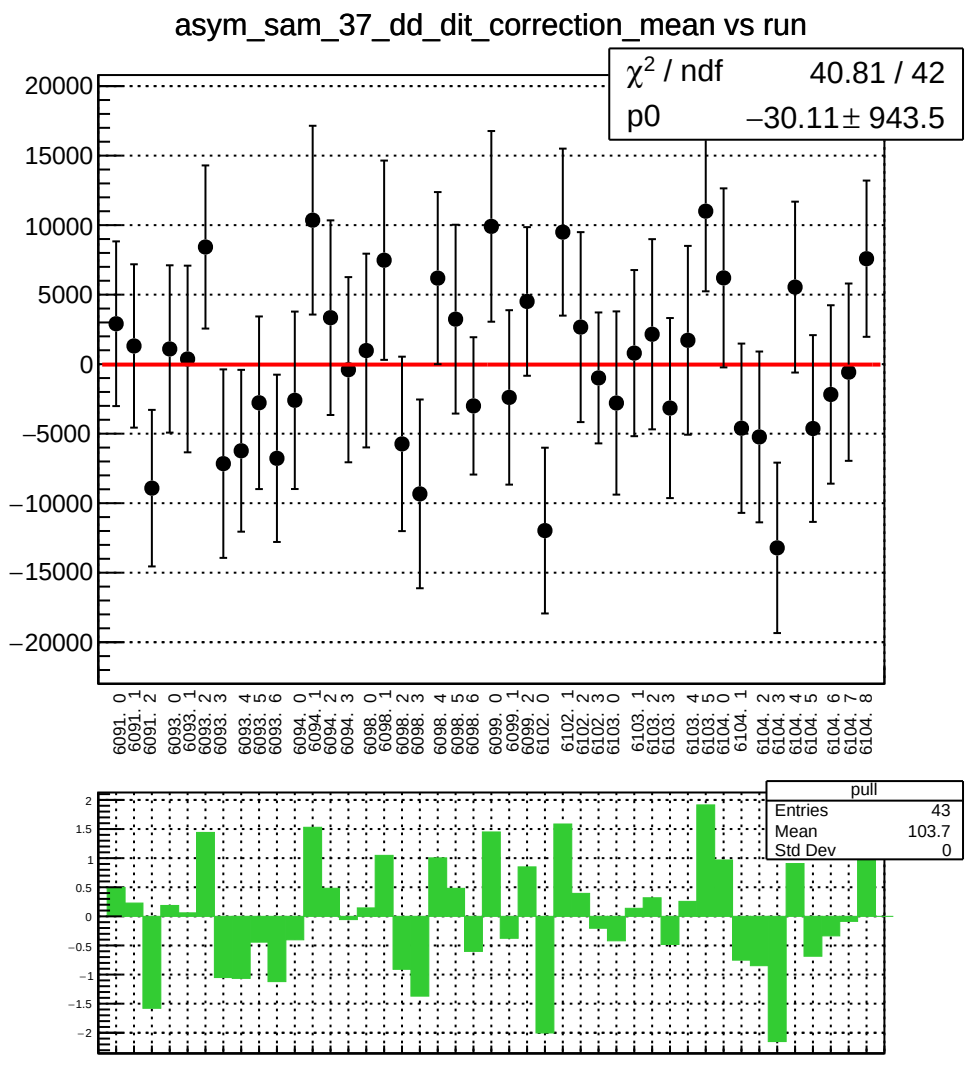

pull1D
Entries 43
Mean 0.001792
Std Dev 0.9652

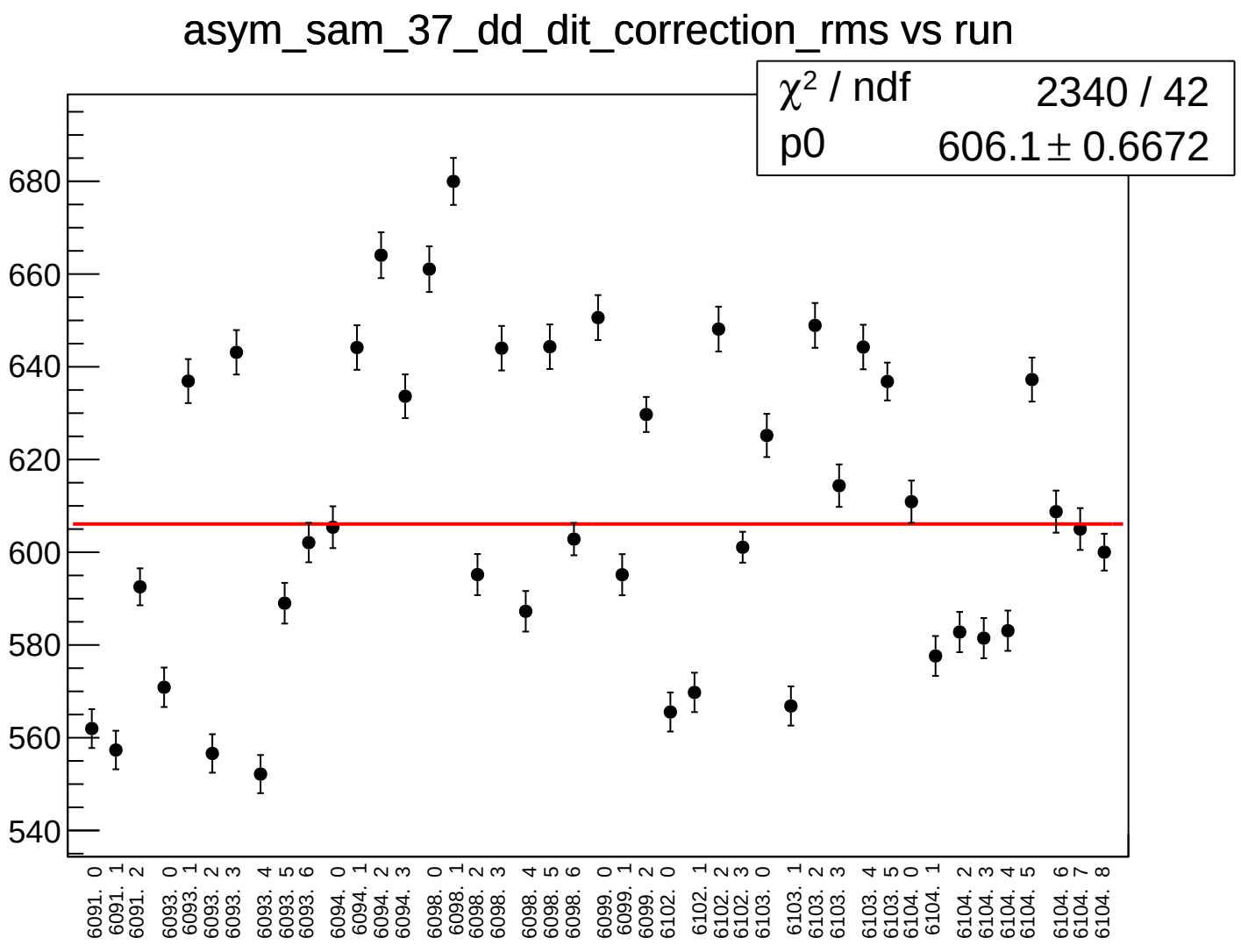

asym_sam_37_dd_eigen_cor_correction_rms vs run
χ² / ndf 2621 / 42
p0 646.2 ± 0.7114
720
700
680
660
640
620
600
580
560
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

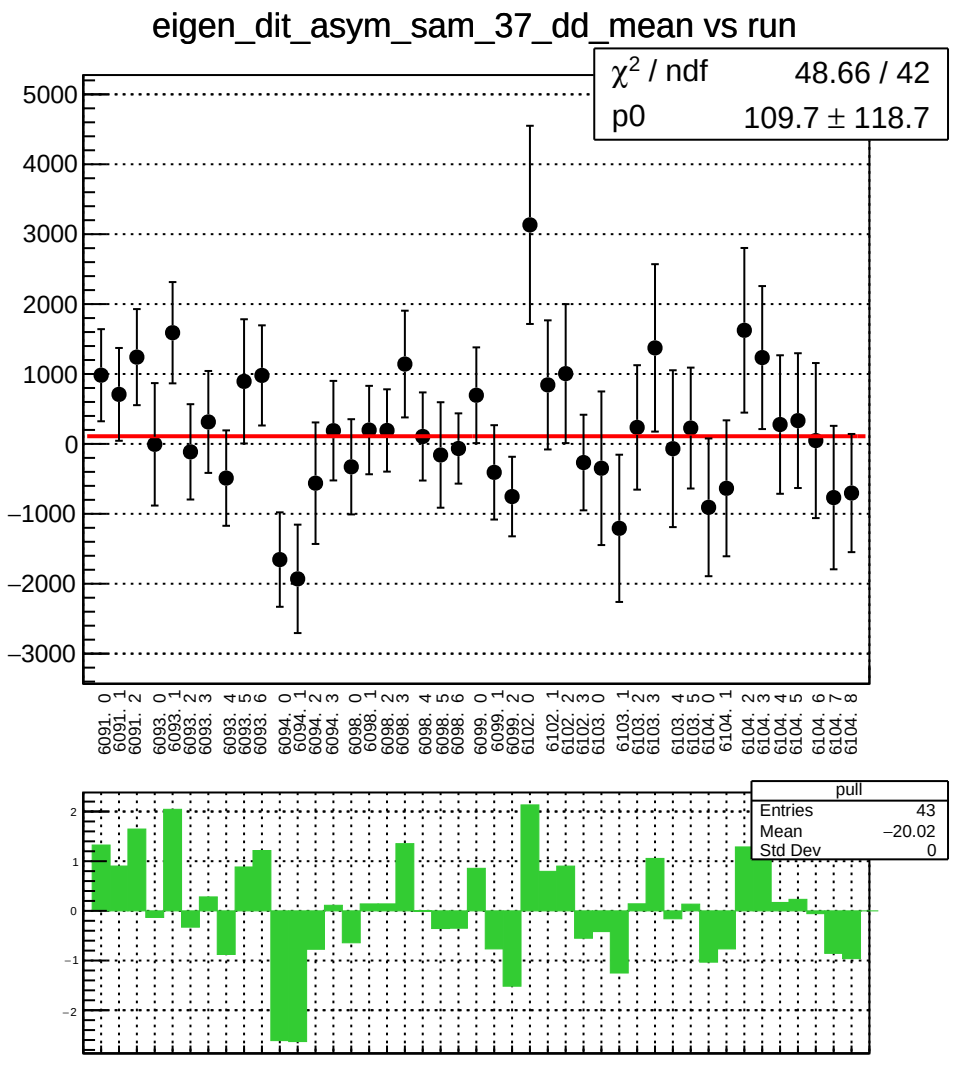

dit_asym_sam_37_dd_mean vs run
χ² / ndf 48.66 / 42
p0 109.7 ± 118.7
5000
4000
3000
2000
1000
0
−1000
−2000
−3000
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean −20.02
Std Dev 0
2
1
0
−1
−2

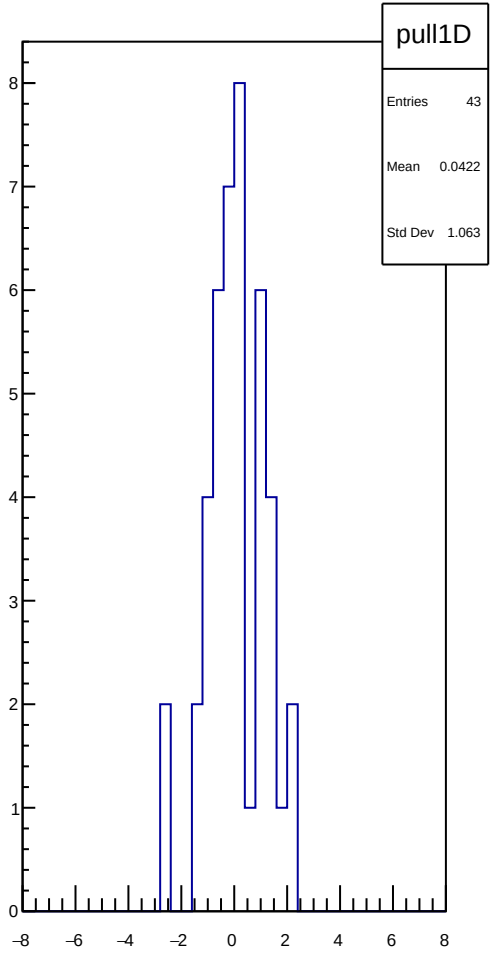

pull1D
Entries 43
Mean 0.0422
Std Dev 1.063
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

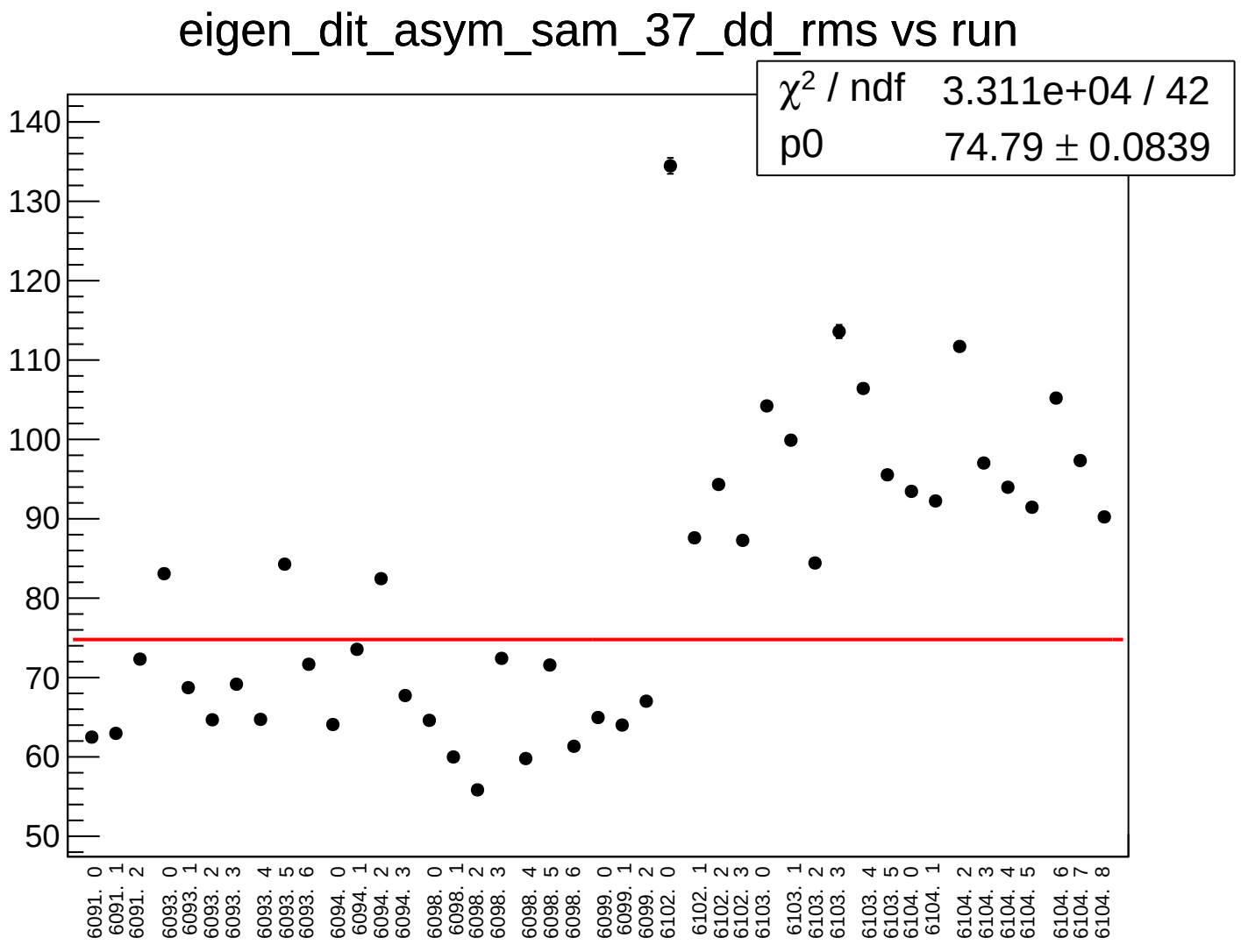

dit_asym_sam_37_dd_rms vs run
χ² / ndf 3.311e+04 / 42
p0 74.78 ± 0.0839
140
130
120
110
100
90
80
70
60
50
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

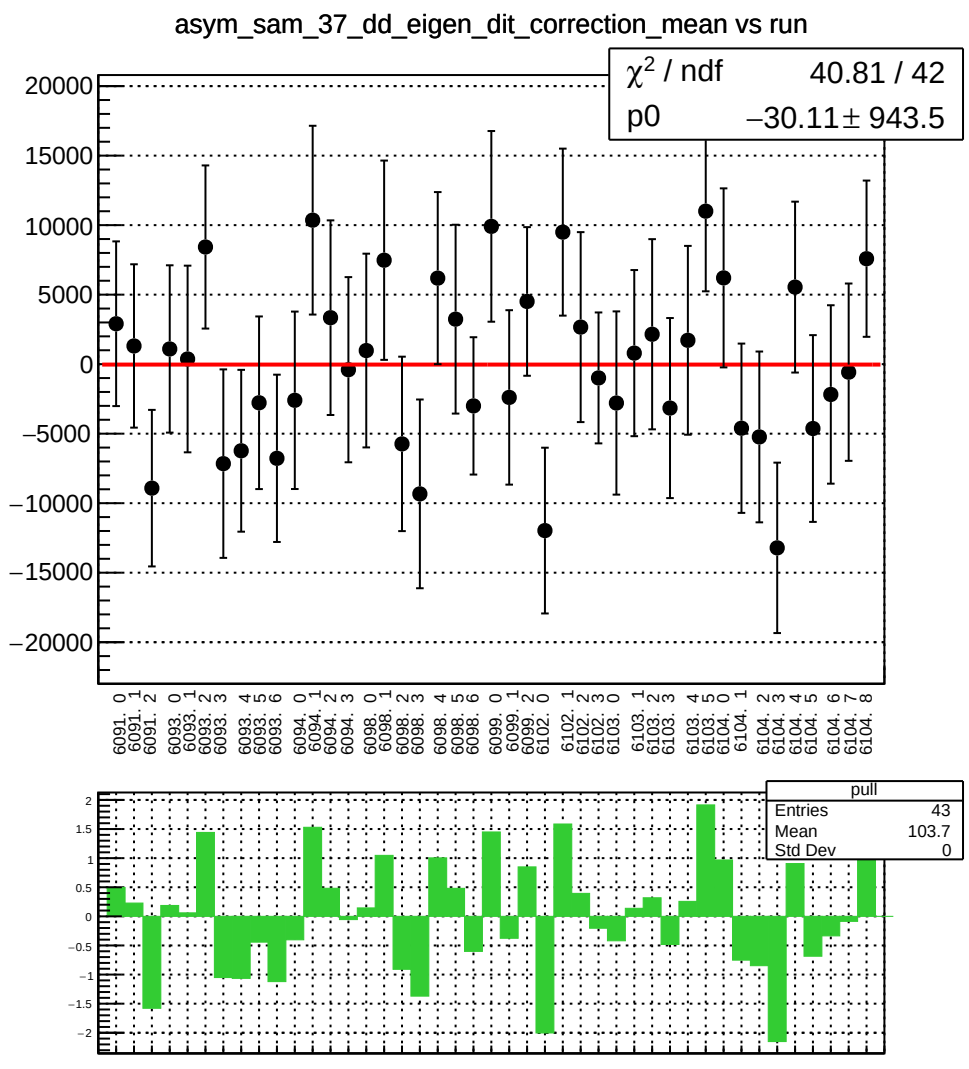

asym_sam_37_dd_dit_correction_mean vs run
χ² / ndf 40.81 / 42
p0 −30.11 ± 943.5
20000
15000
10000
5000
0
−5000
−10000
−15000
−20000
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 103.7
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 43
Mean 0.007037
Std Dev 0.9741
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

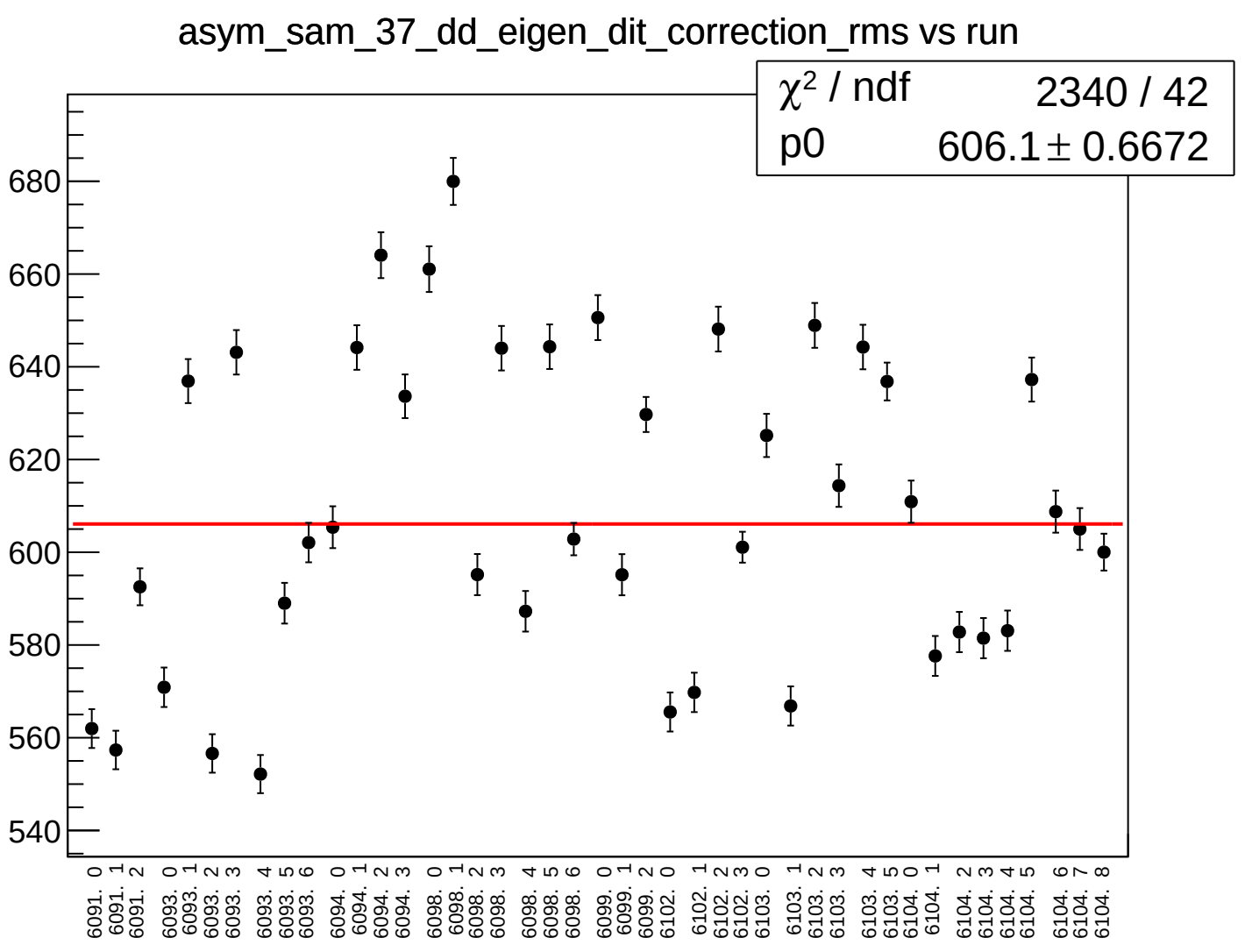

asym_sam_37_dd_dit_correction_rms vs run
χ² / ndf 2340 / 42
p0 606.1 ± 0.6672
680
660
640
620
600
580
560
540
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

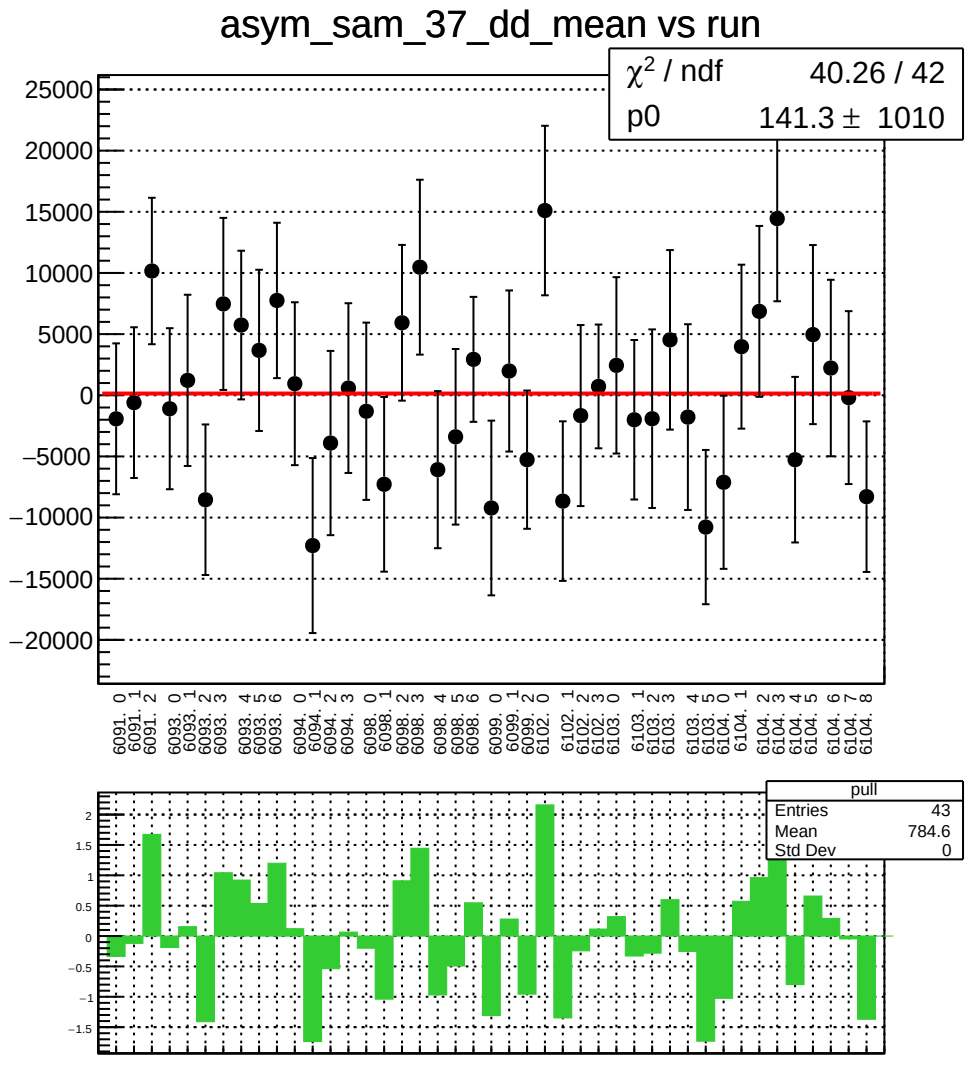

eigen_dit_asym_sam_37_dd_mean vs run
χ² / ndf 48.66 / 42
p0 109.7 ± 118.7
5000
4000
3000
2000
1000
0
−1000
−2000
−3000
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean −20.02
Std Dev 0
2
1
0
−1
−2

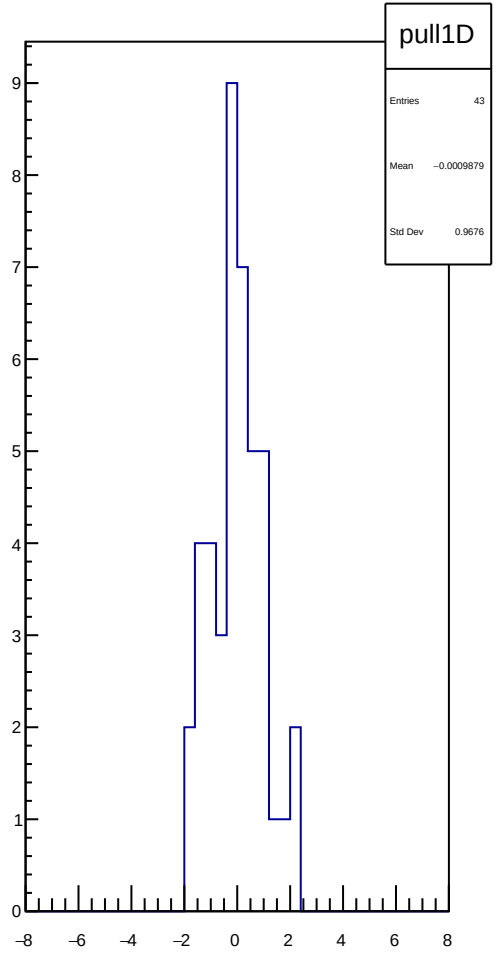

pull1D
Entries 43
Mean 0.0422
Std Dev 1.063
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

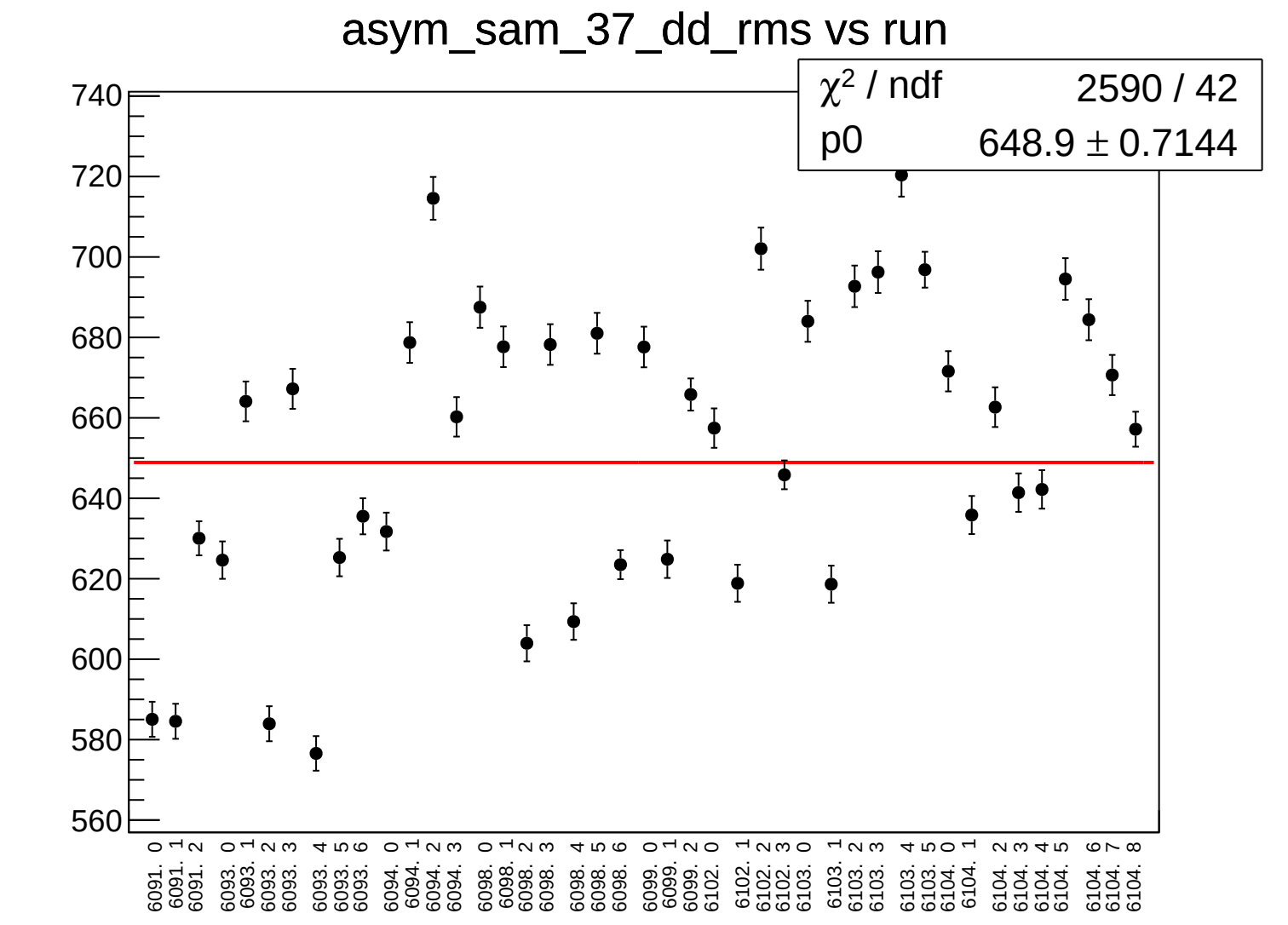

eigen_dit_asym_sam_37_dd_rms vs run
χ² / ndf 3.311e+04 / 42
p0 74.79 ± 0.0839
140
130
120
110
100
90
80
70
60
50
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

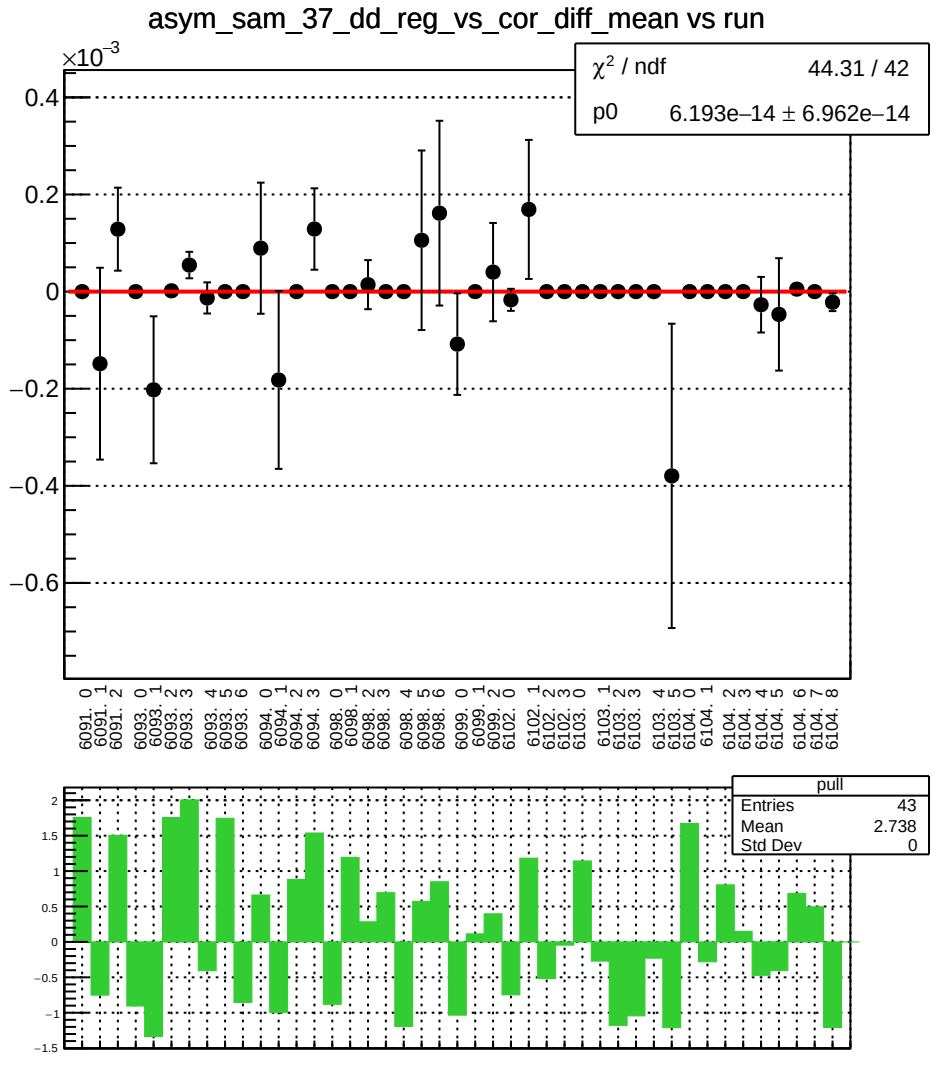

asym_sam_37_dd_eigen_dit_correction_mean vs run
χ² / ndf 40.81 / 42
p0 −30.11 ± 943.5
20000
15000
10000
5000
0
−5000
−10000
−15000
−20000
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 103.7
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 43
Mean 0.007037
Std Dev 0.9741
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

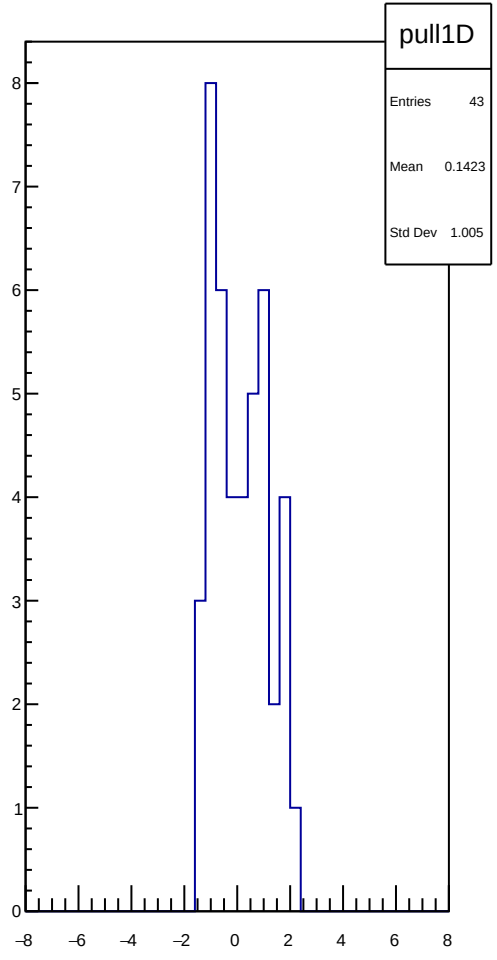

asym_sam_37_dd_eigen_dit_correction_rms vs run
χ² / ndf 2340 / 42
p0 606.1 ± 0.6672
680
660
640
620
600
580
560
540
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

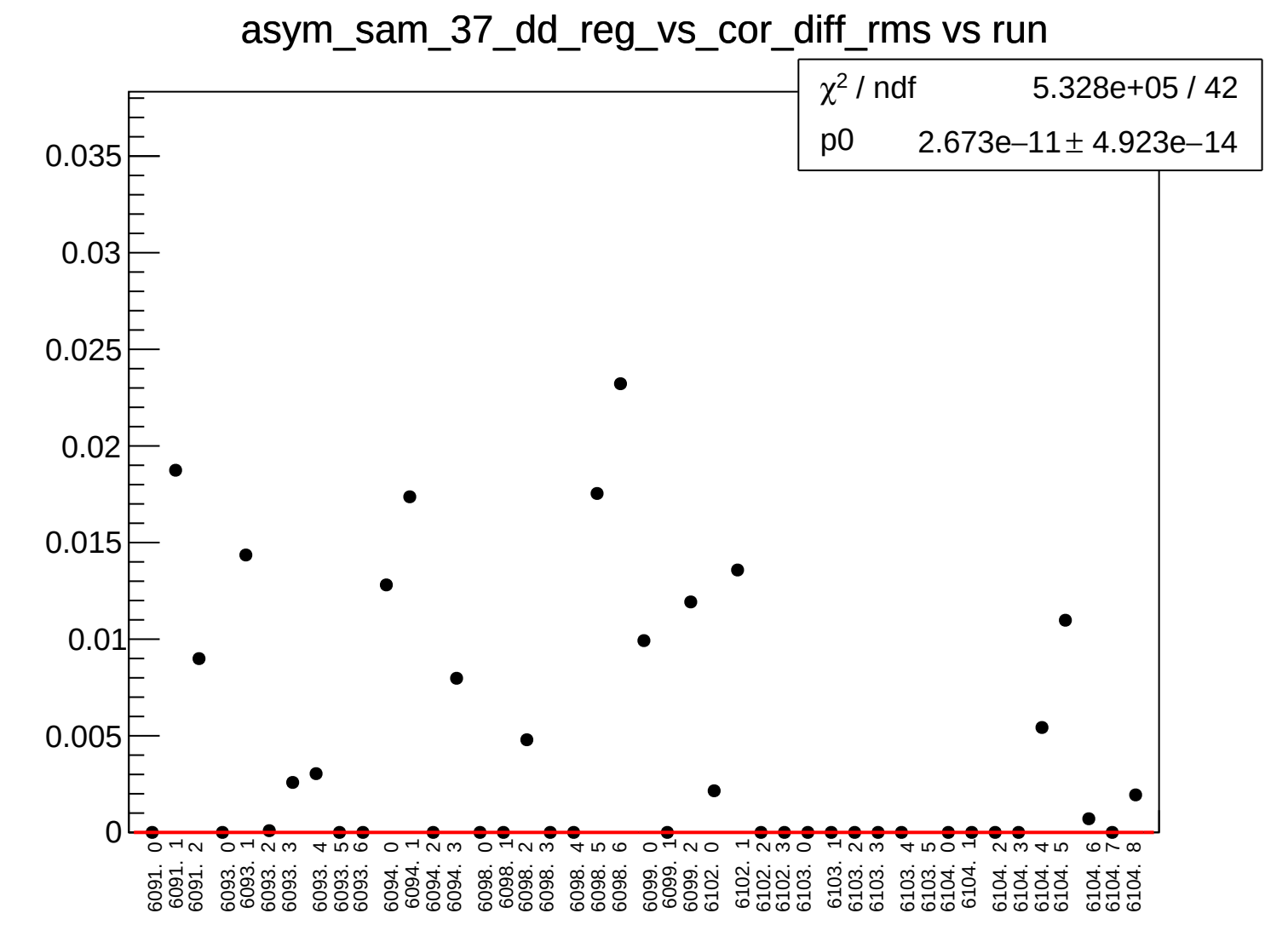

asym_sam_37_dd_mean vs run
χ² / ndf 40.26 / 42
p0 141.3 ± 1010
25000
20000
15000
10000
5000
0
−5000
−10000
−15000
−20000
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 784.6
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5

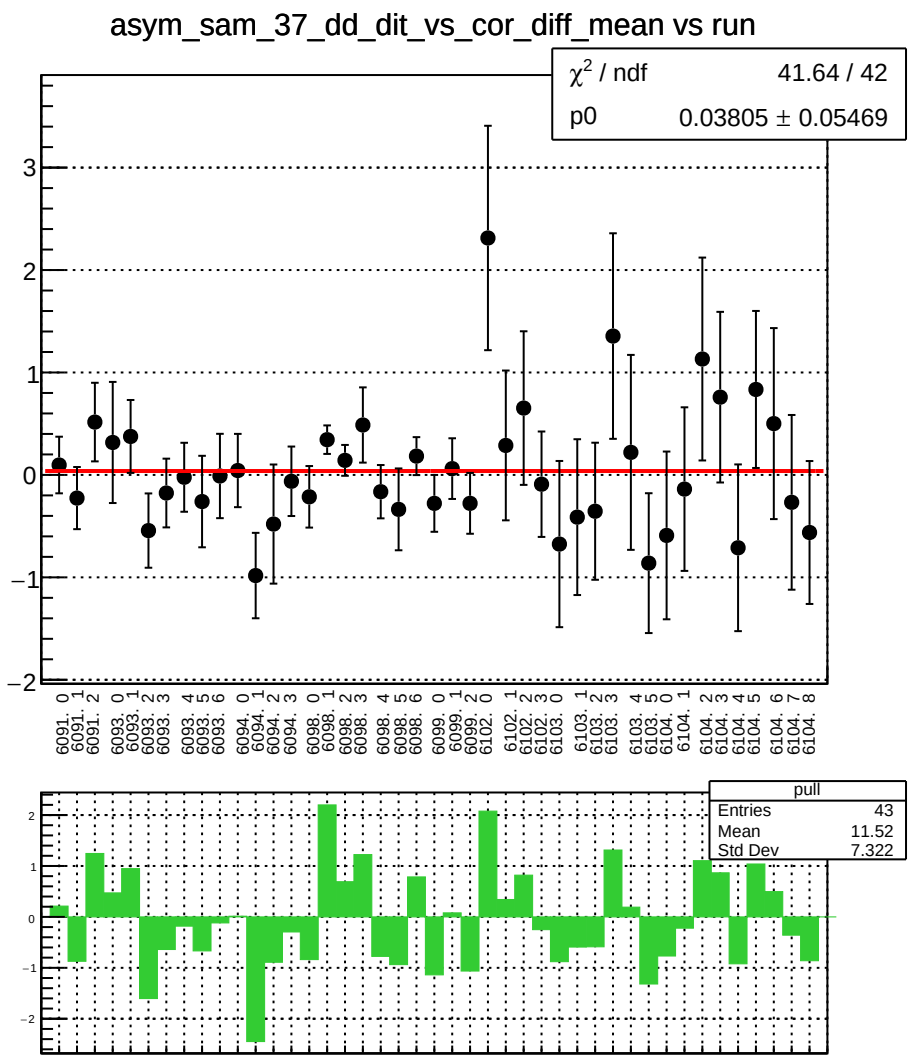

pull1D
Entries 43
Mean −0.0009879
Std Dev 0.9676
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

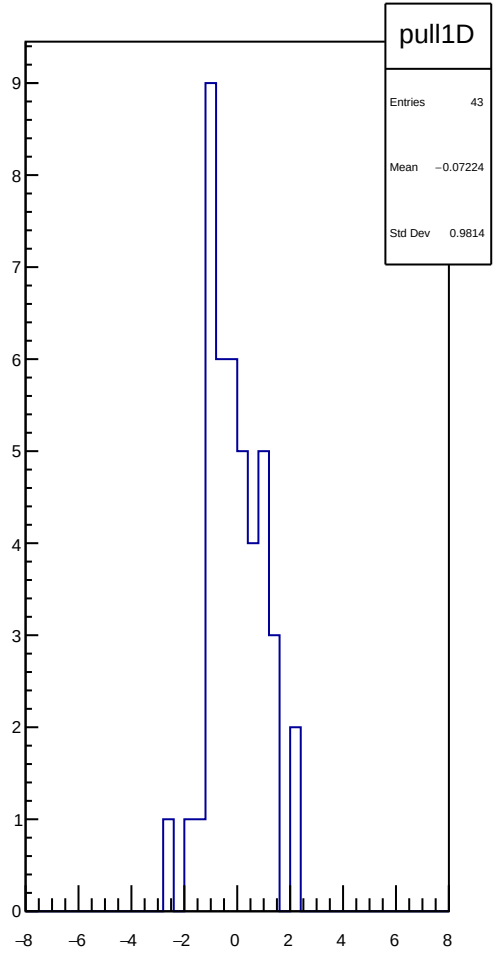

asym_sam_37_dd_rms vs run
χ^2 / ndf 2590 / 42
p0 648.9 ± 0.7144
740
720
700
680
660
640
620
600
580
560
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

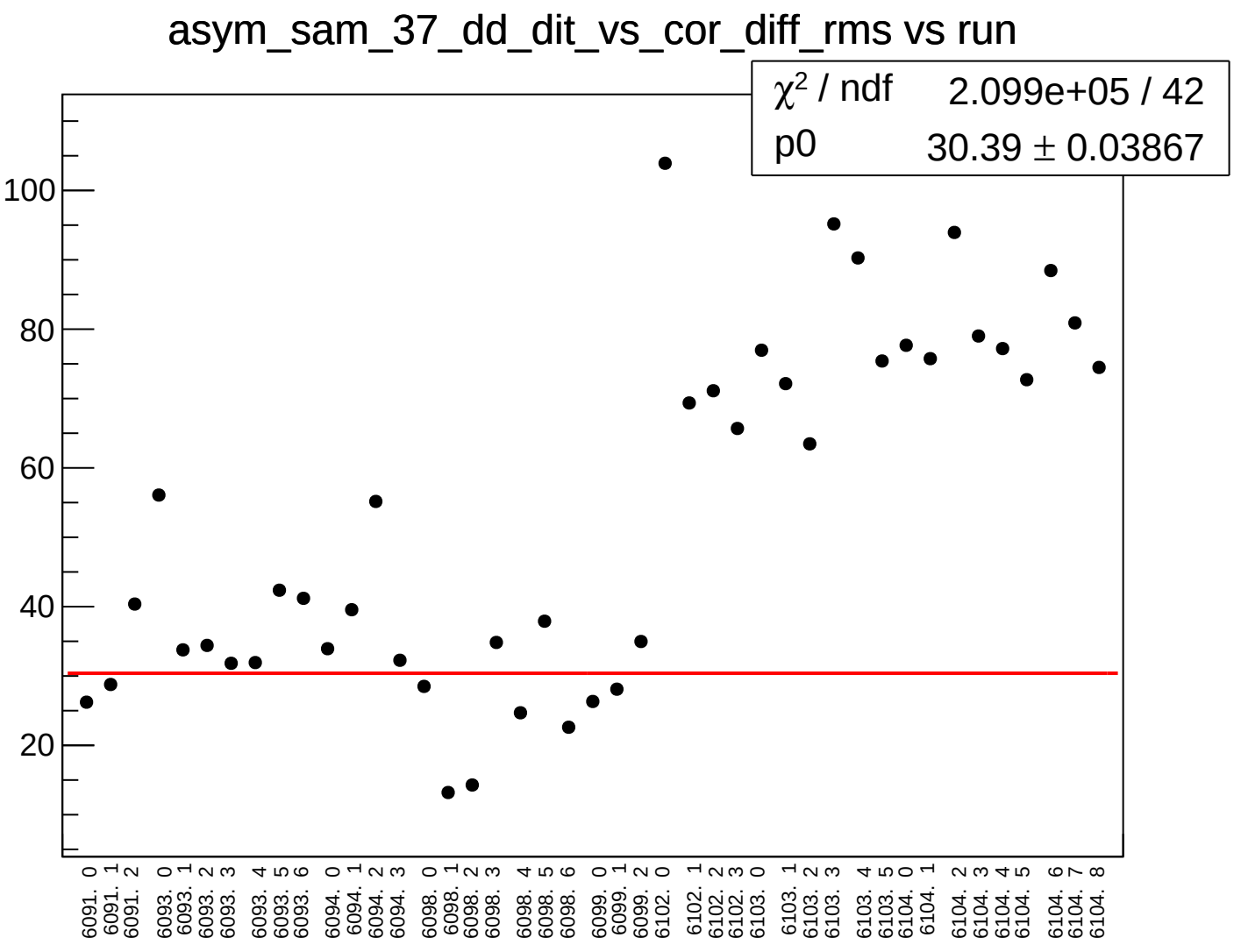

asym_sam_37_dd_reg_vs_cor_diff_mean vs run
×10⁻³
χ² / ndf 44.31 / 42
p0 6.193e−14 ± 6.962e−14
0.4
0.2
0
−0.2
−0.4
−0.6
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 2.738
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5

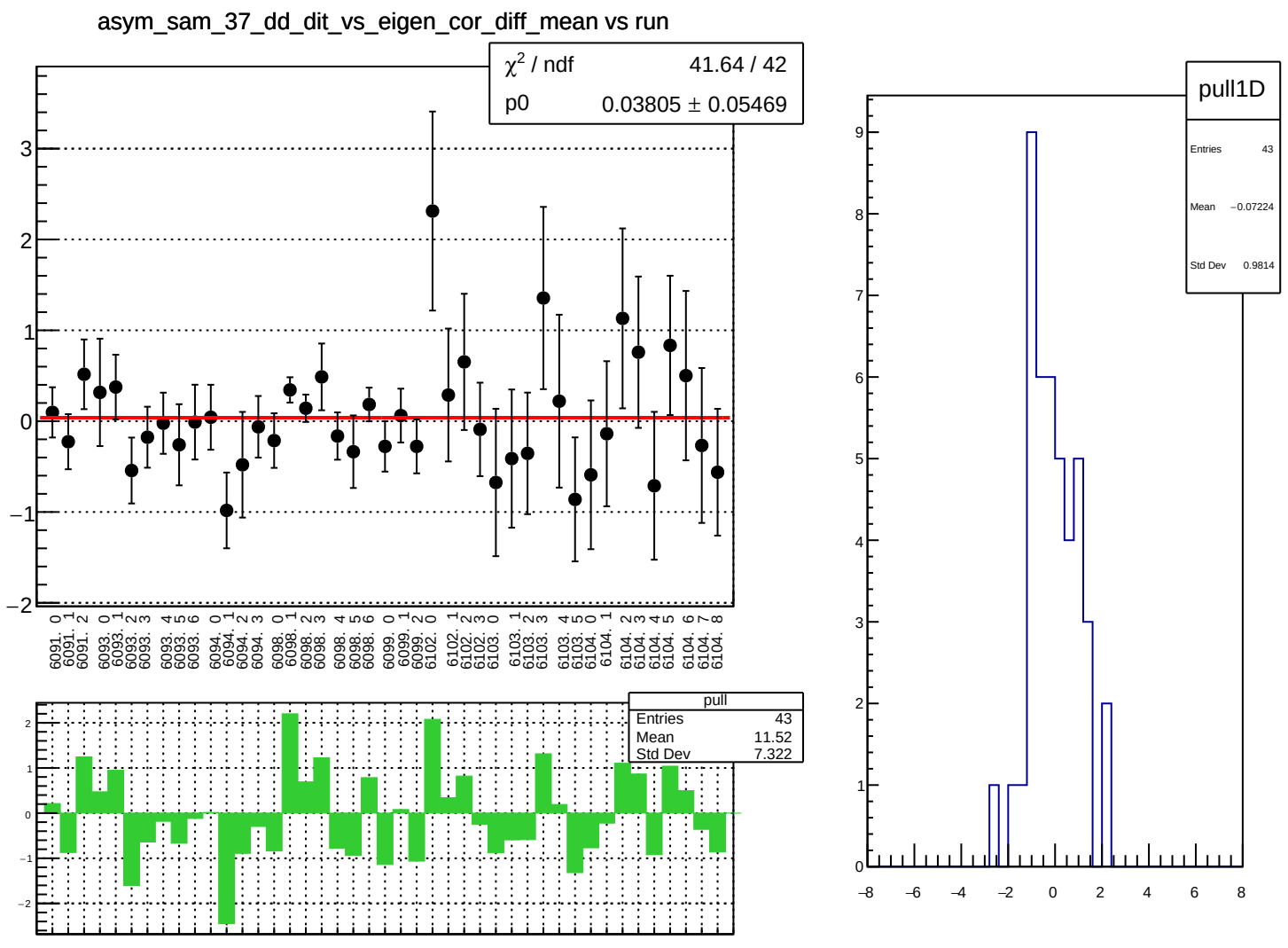

pull1D
Entries 43
Mean 0.1423
Std Dev 1.005
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

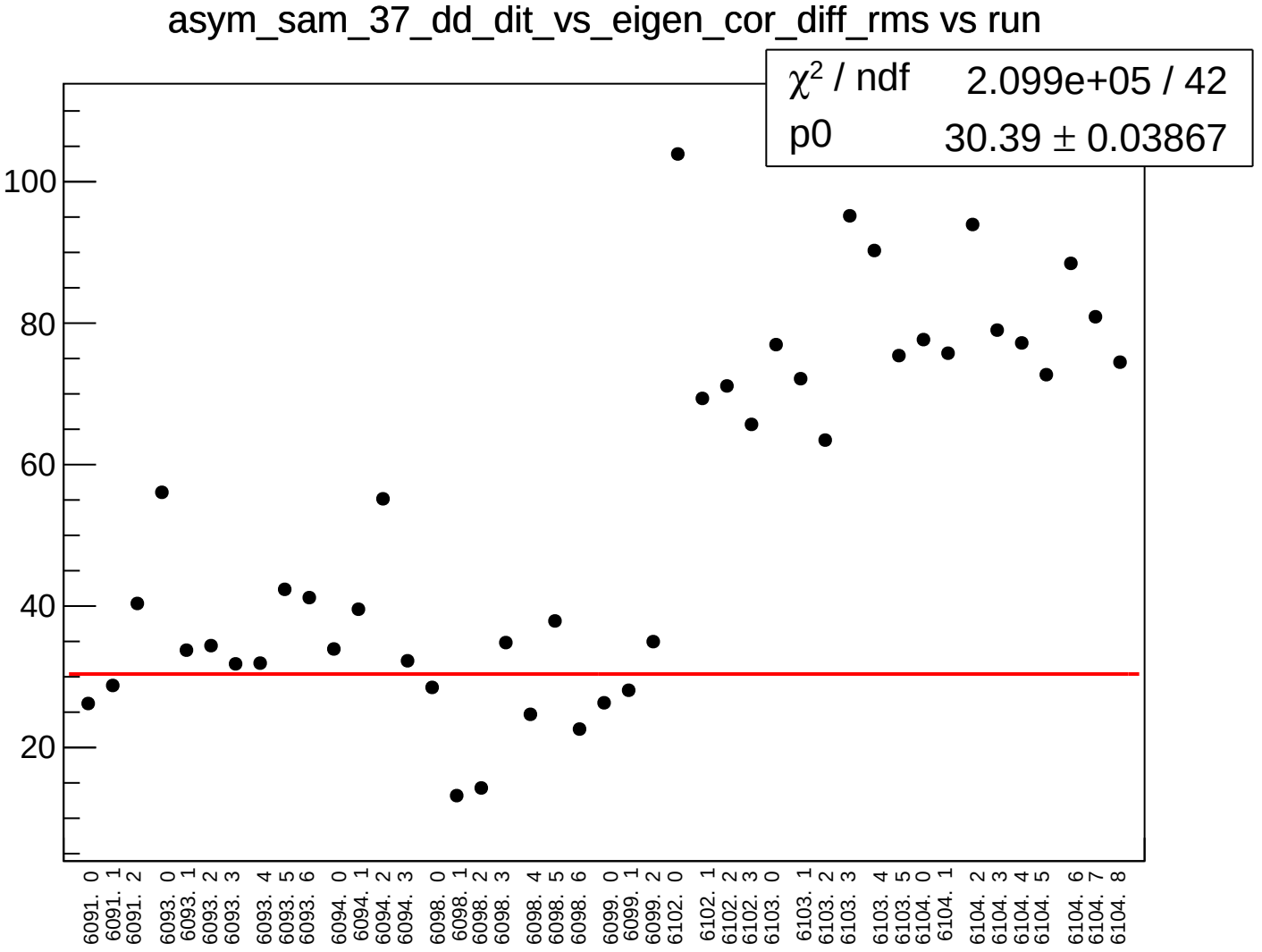

asym_sam_37_dd_reg_vs_cor_diff_rms vs run
χ² / ndf 5.328e+05 / 42
p0 2.673e−11 ± 4.923e−14
0.035
0.03
0.025
0.02
0.015
0.01
0.005
0
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

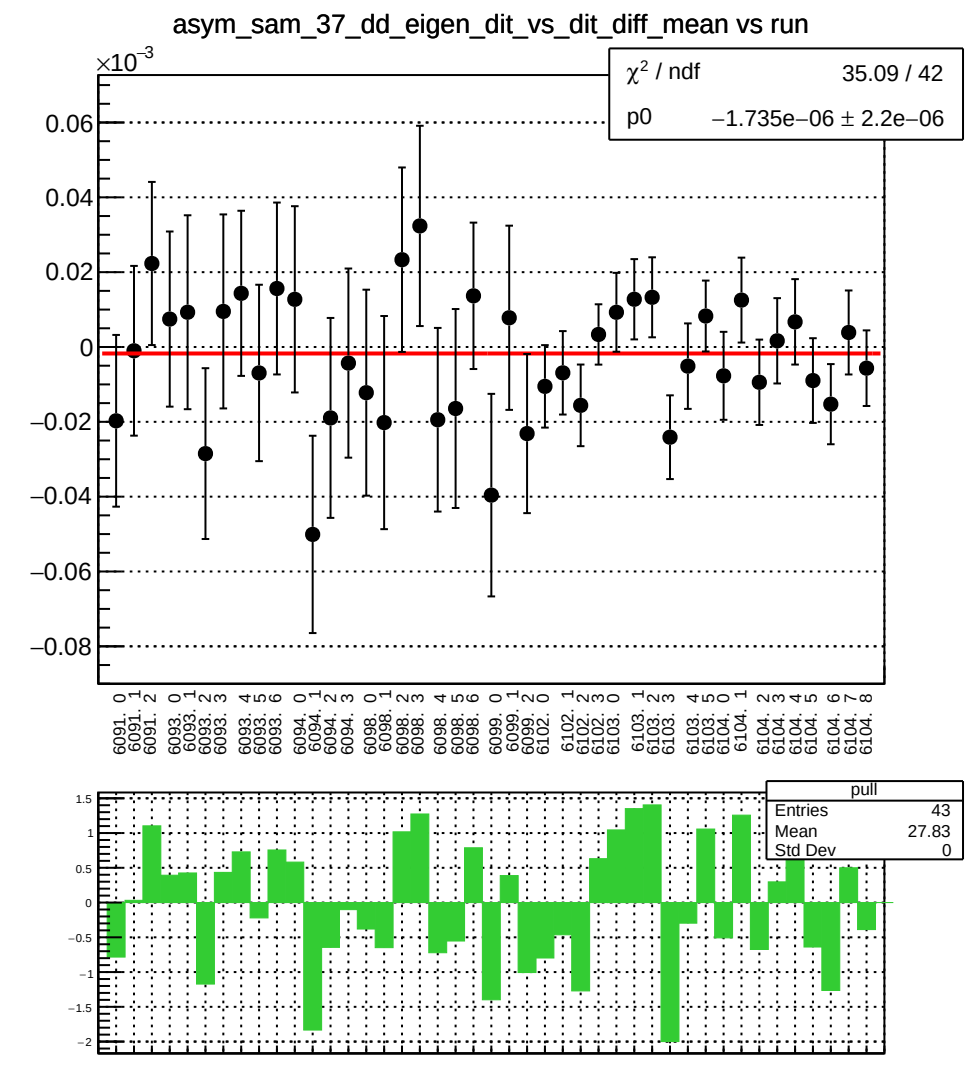

asym_sam_37_dd_dit_vs_cor_diff_mean vs run
χ² / ndf 41.64 / 42
p0 0.03805 ± 0.05469
pull
Entries 43
Mean 11.52
Std Dev 7.322

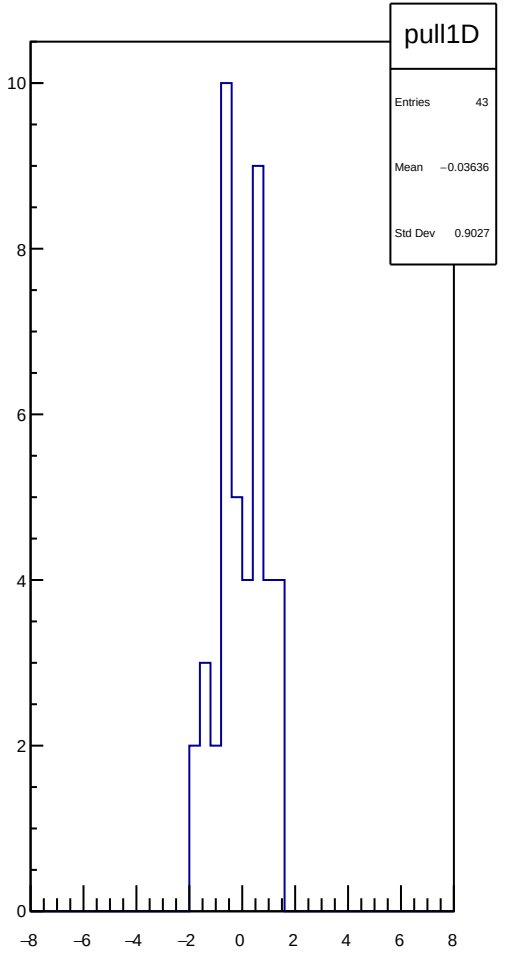

pull1D
Entries 43
Mean −0.07224
Std Dev 0.9814

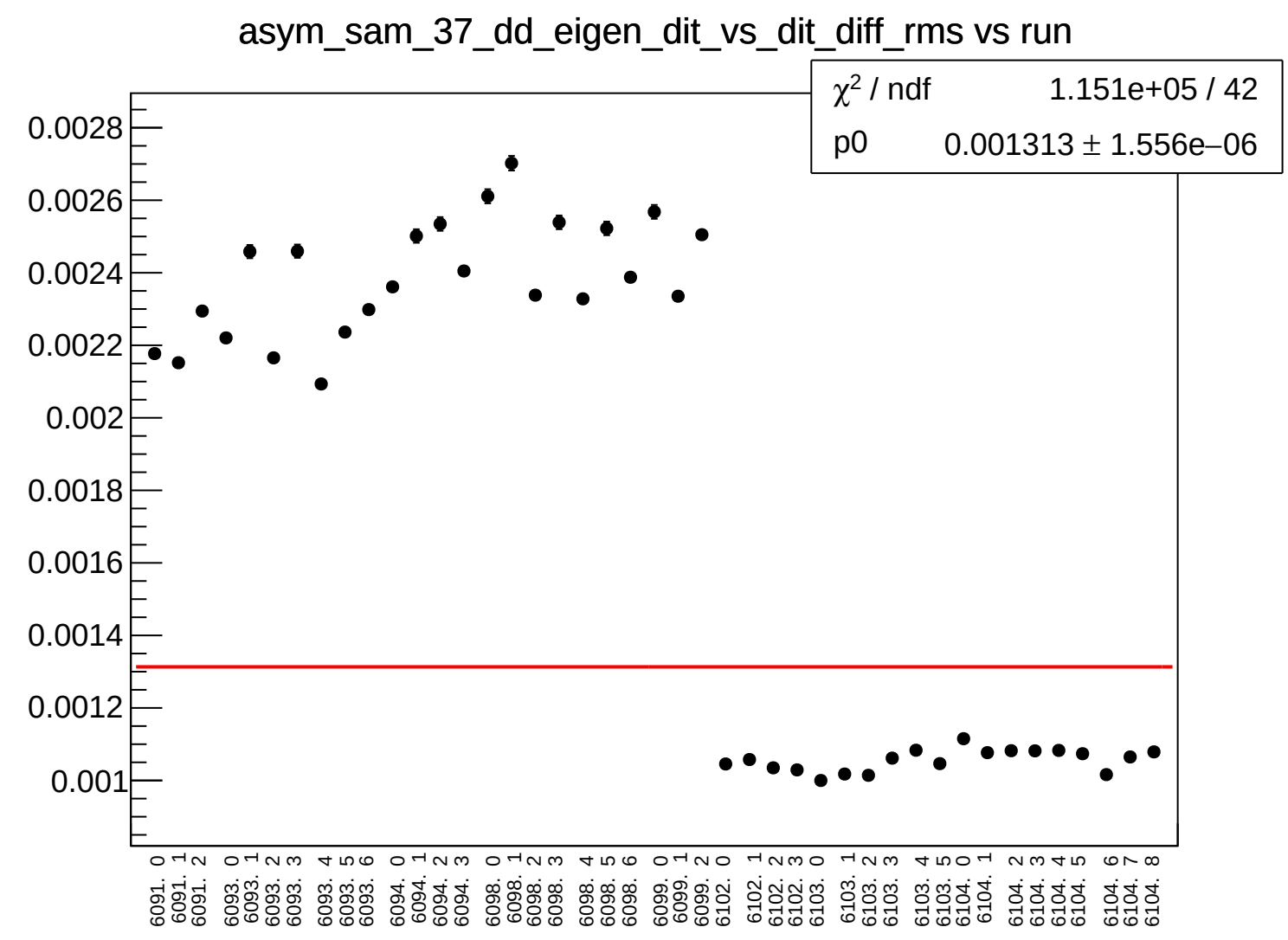

asym_sam_37_dd_dit_vs_cor_diff_rms vs run
χ² / ndf 2.099e+05 / 42
p0 30.39 ± 0.03867
100
80
60
40
20
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

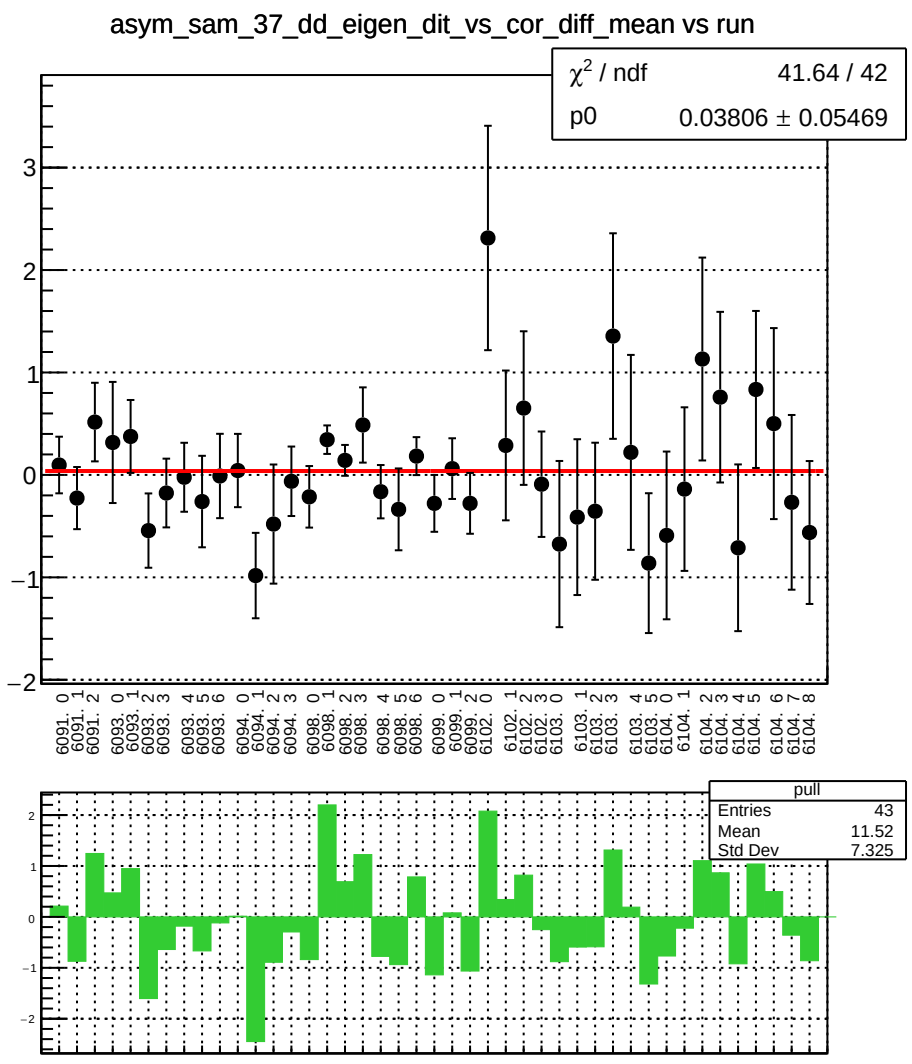

asym_sam_37_dd_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 41.64 / 42
p0 0.03805 ± 0.05469
pull
Entries 43
Mean 11.52
Std Dev 7.322
pull1D
Entries 43
Mean −0.07224
Std Dev 0.9814

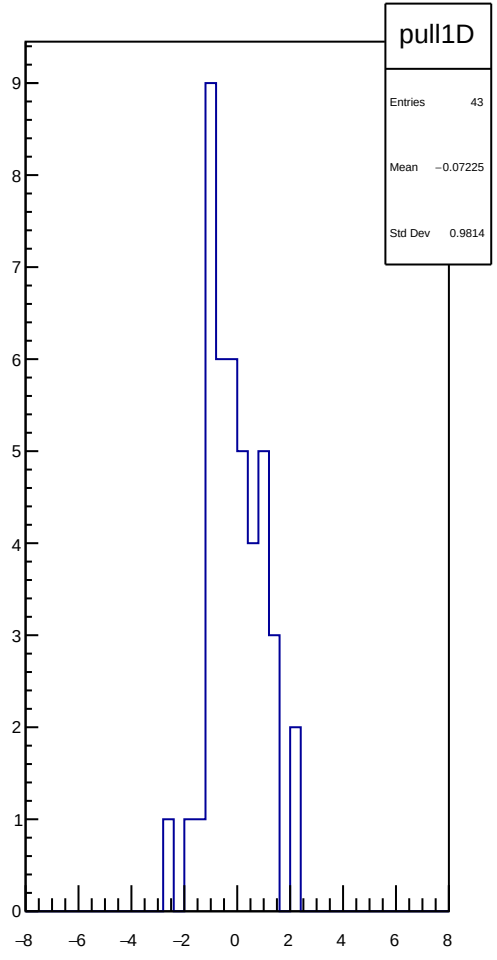

asym_sam_37_dd_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 2.099e+05 / 42
p0 30.39 ± 0.03867
100
80
60
40
20
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

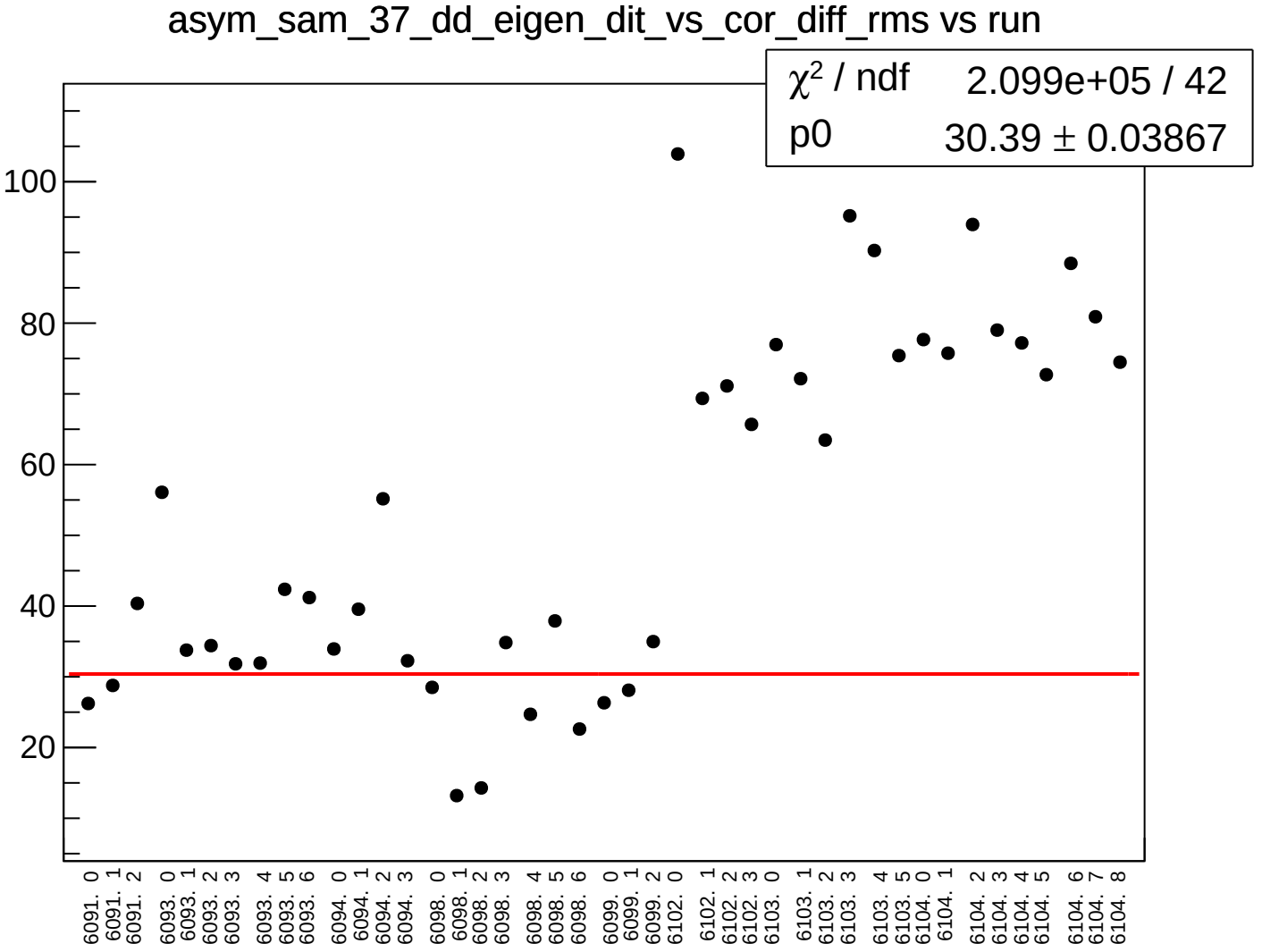

asym_sam_37_dd_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 35.09 / 42
p0 −1.735e−06 ± 2.2e−06
0.06
0.04
0.02
0
−0.02
−0.04
−0.06
−0.08
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 27.83
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2

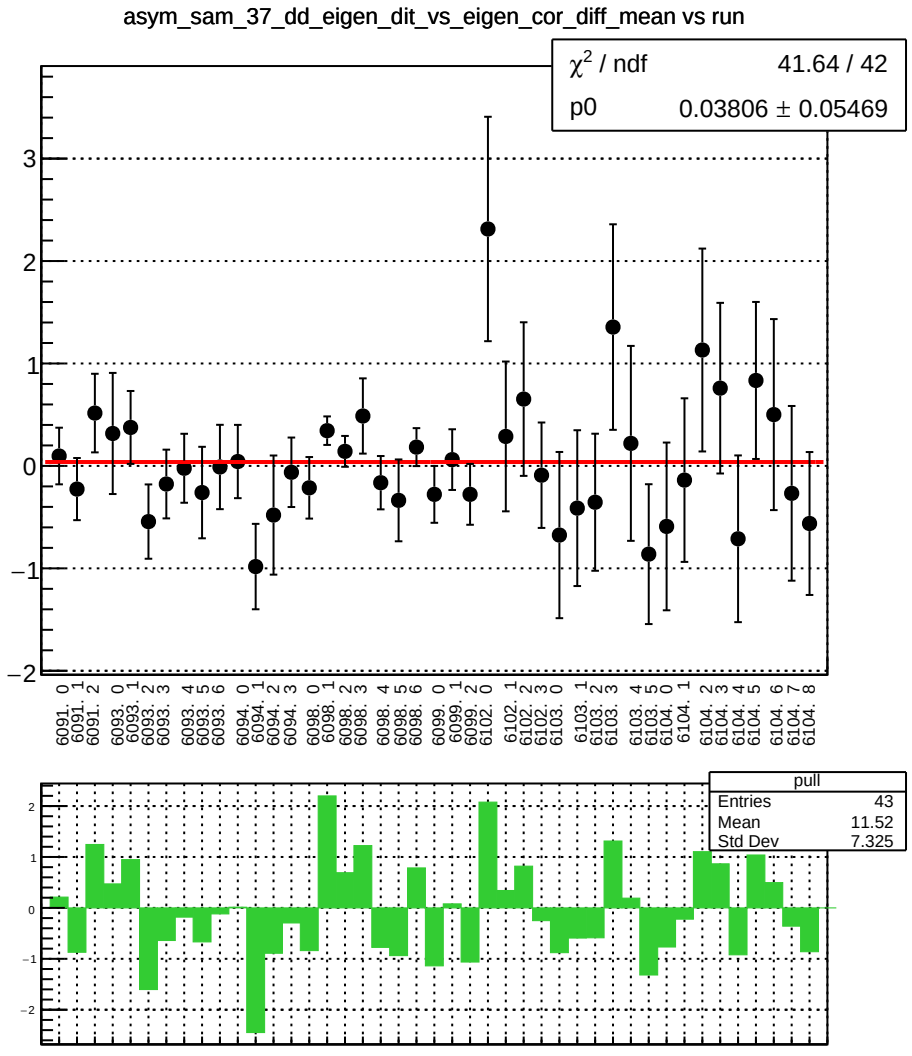

pull1D
Entries 43
Mean −0.03636
Std Dev 0.9027
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

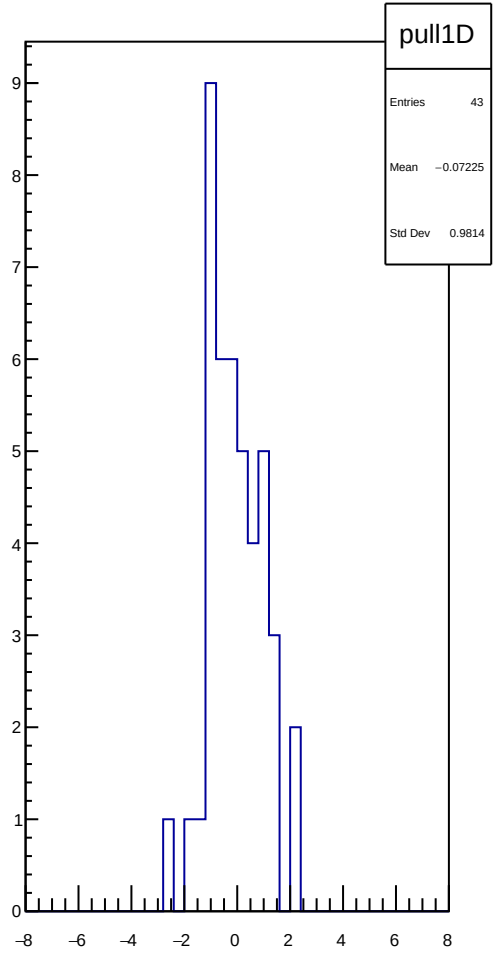

asym_sam_37_dd_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 1.151e+05 / 42
p0 0.001313 ± 1.556e−06
0.0028
0.0026
0.0024
0.0022
0.002
0.0018
0.0016
0.0014
0.0012
0.001
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

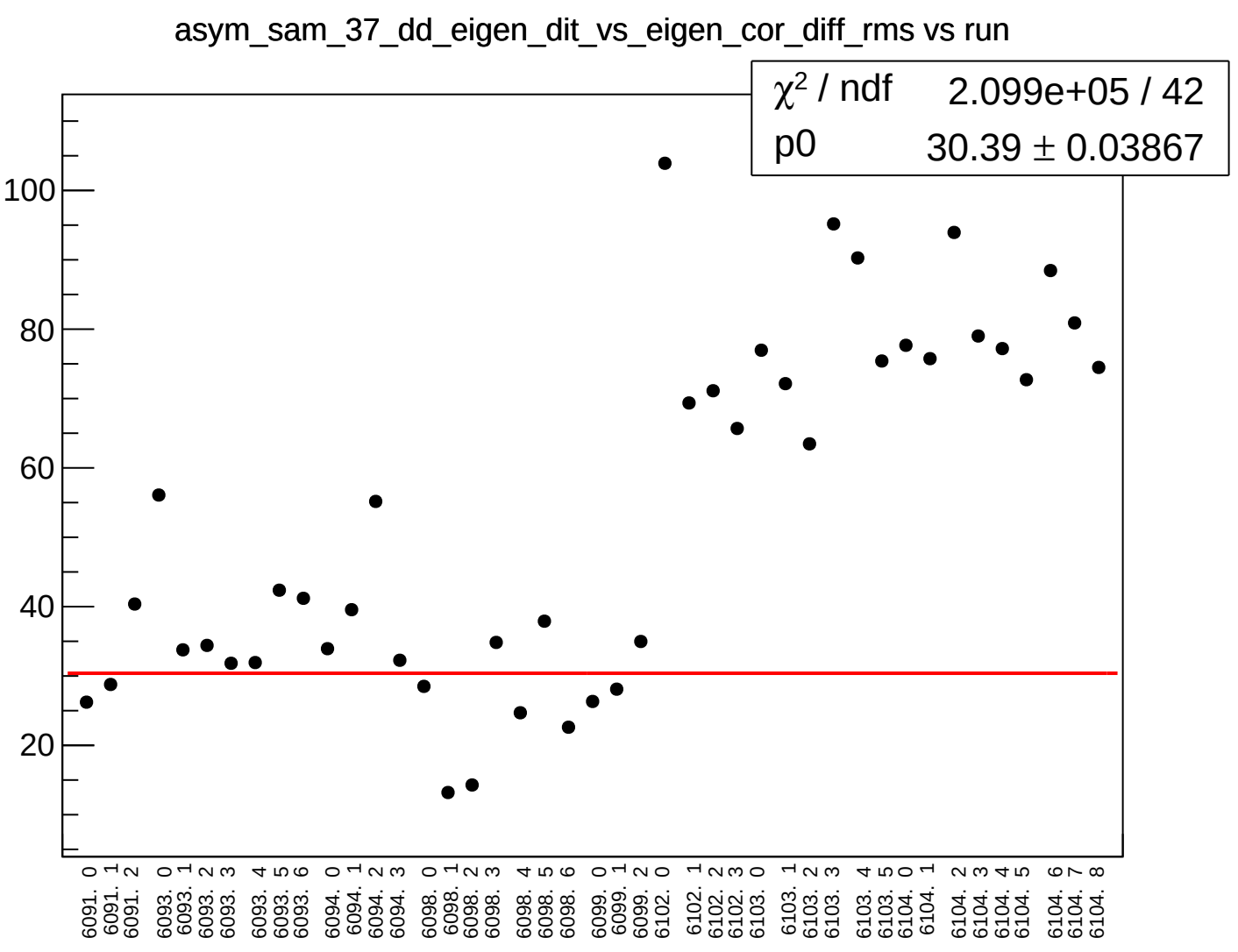

asym_sam_37_dd_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 41.64 / 42
p0 0.03806 ± 0.05469
pull
Entries 43
Mean 11.52
Std Dev 7.325

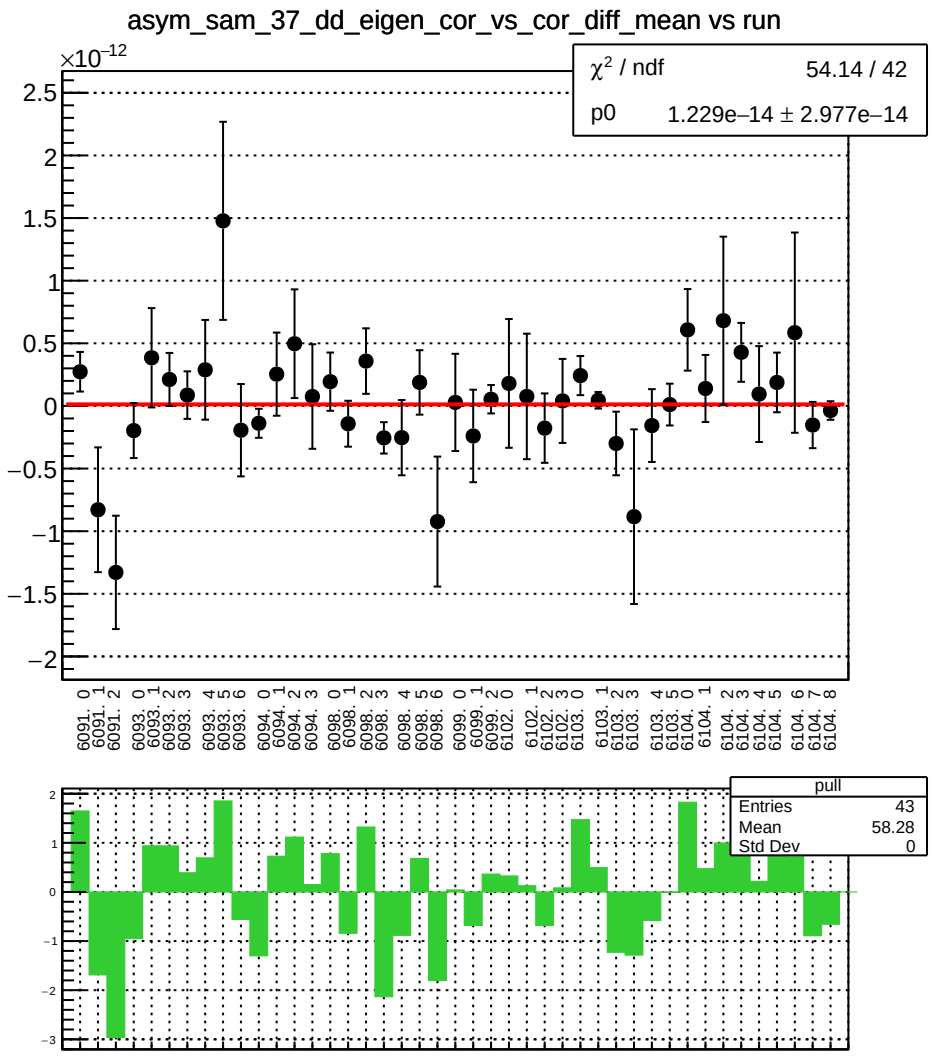

pull1D
Entries 43
Mean −0.07225
Std Dev 0.9814

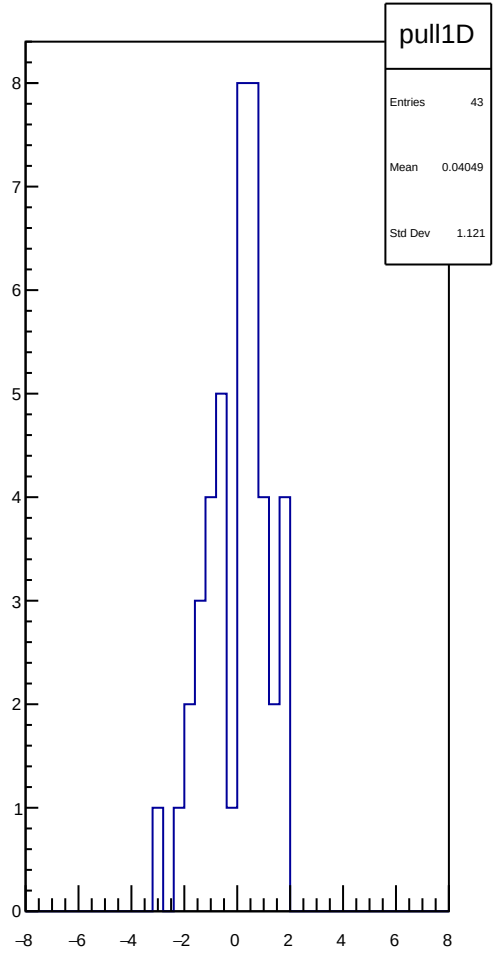

asym_sam_37_dd_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 2.099e+05 / 42
p0 30.39 ± 0.03867
100
80
60
40
20
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

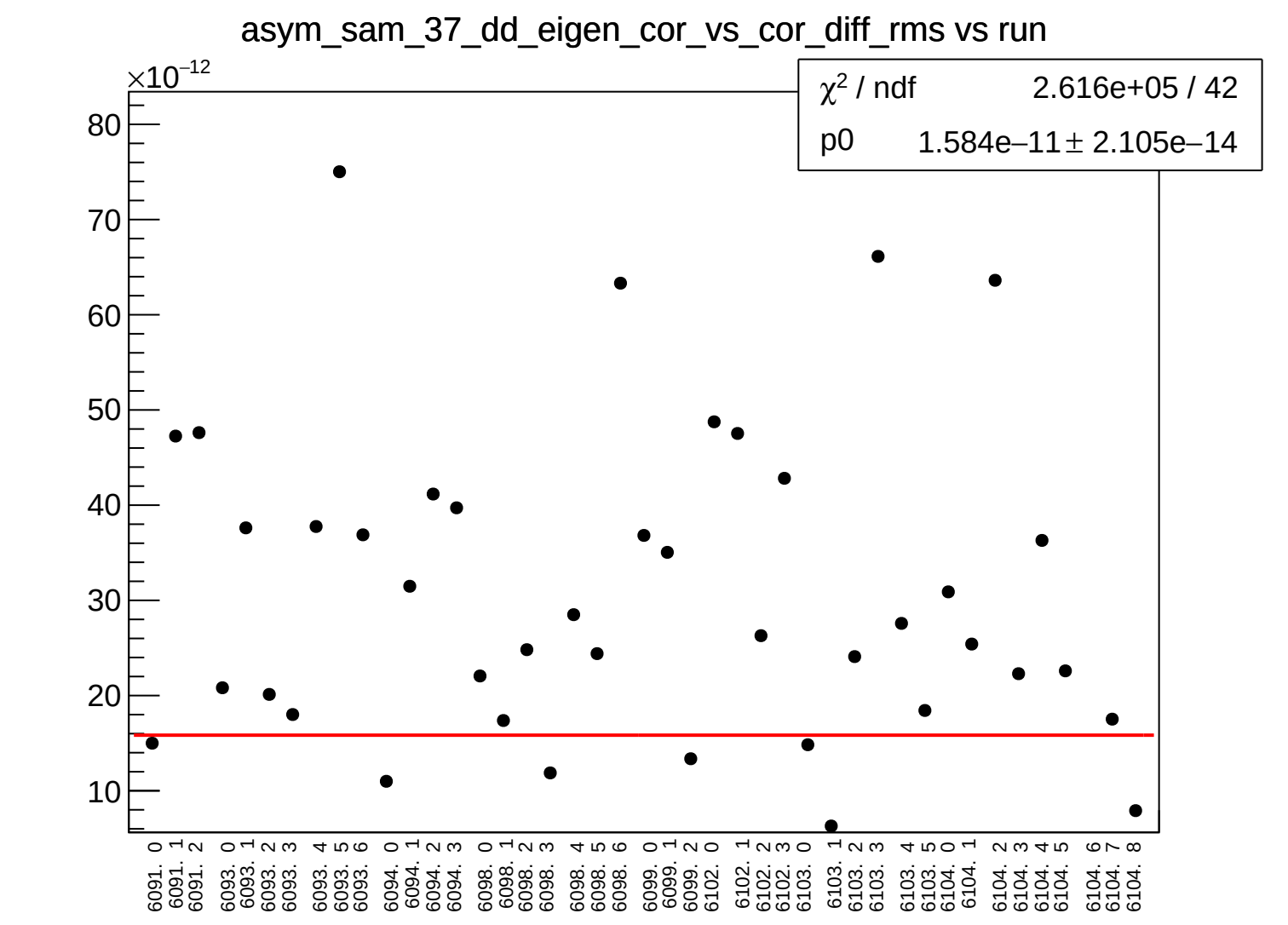

asym_sam_37_dd_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 41.64 / 42
p0 0.03806 ± 0.05469
pull
Entries 43
Mean 11.52
Std Dev 7.325

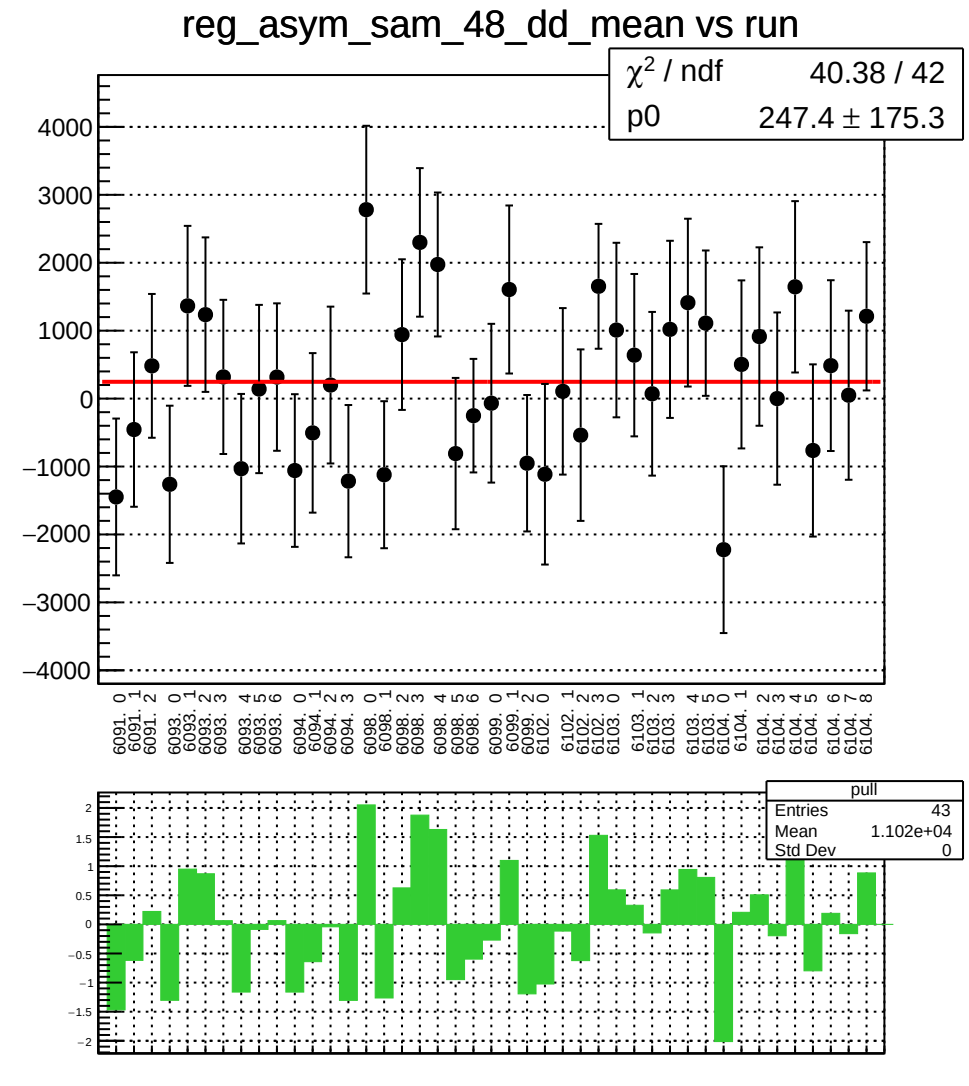

pull1D
Entries 43
Mean −0.07225
Std Dev 0.9814

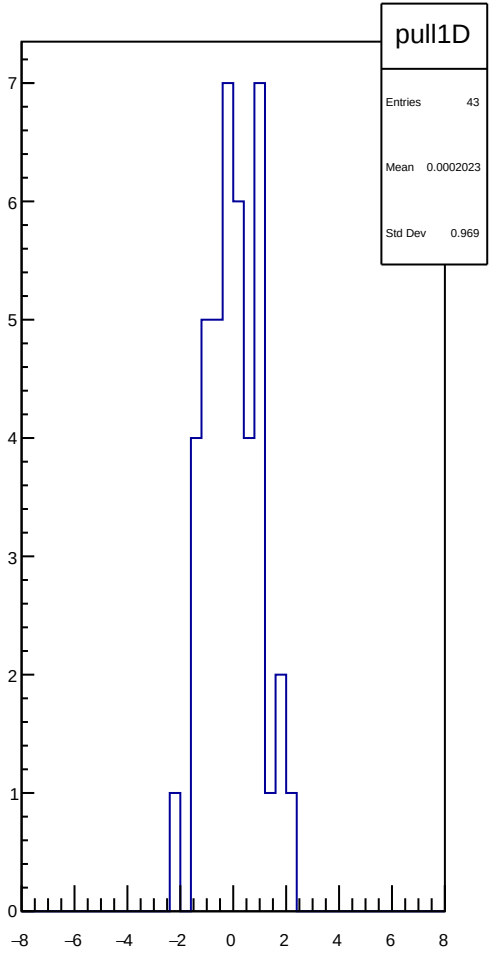

asym_sam_37_dd_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 2.099e+05 / 42
p0 30.39 ± 0.03867
100
80
60
40
20
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

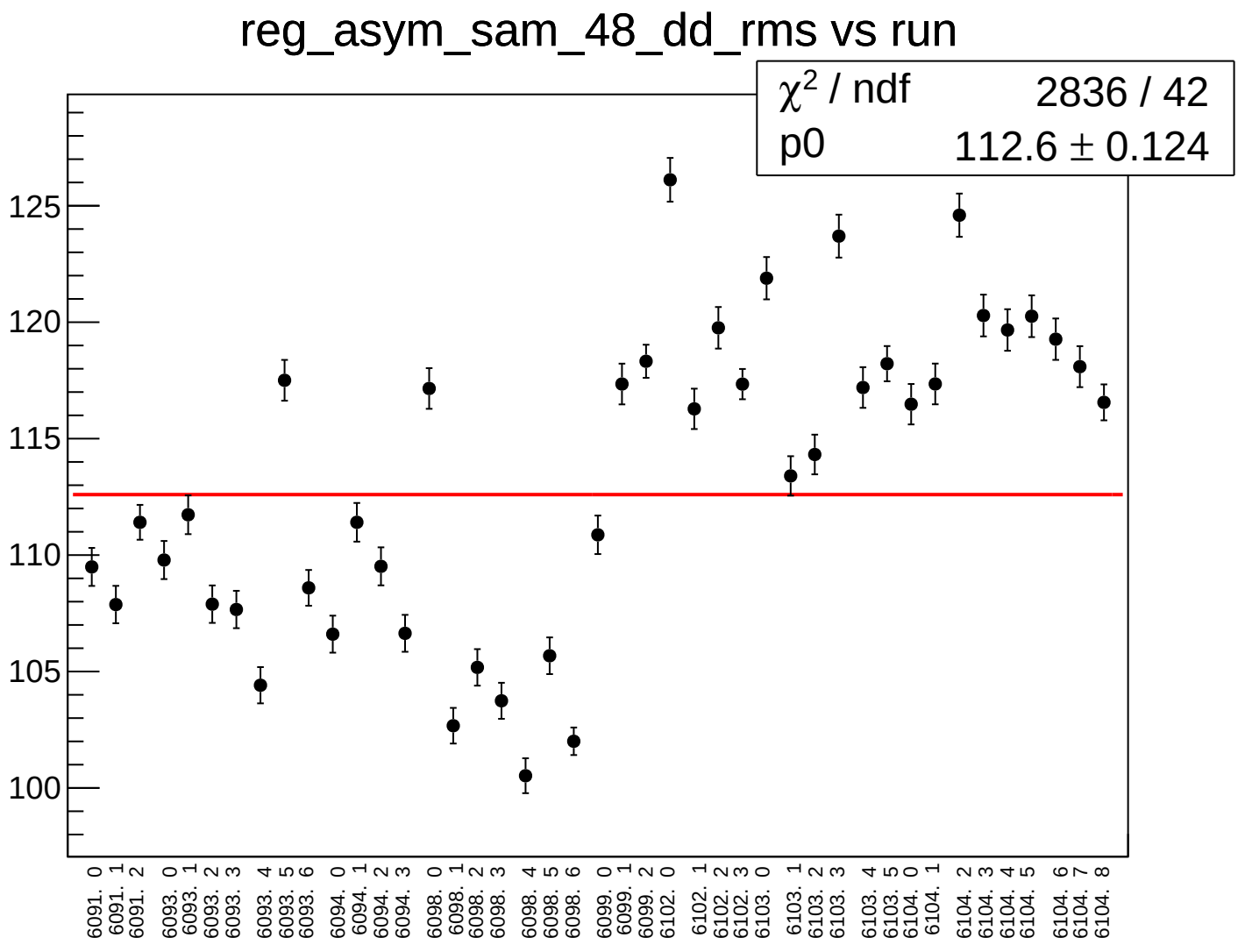

asym_sam_37_dd_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 54.14 / 42
p0 1.229e−14 ± 2.977e−14
pull
Entries 43
Mean 58.28
Std Dev 0

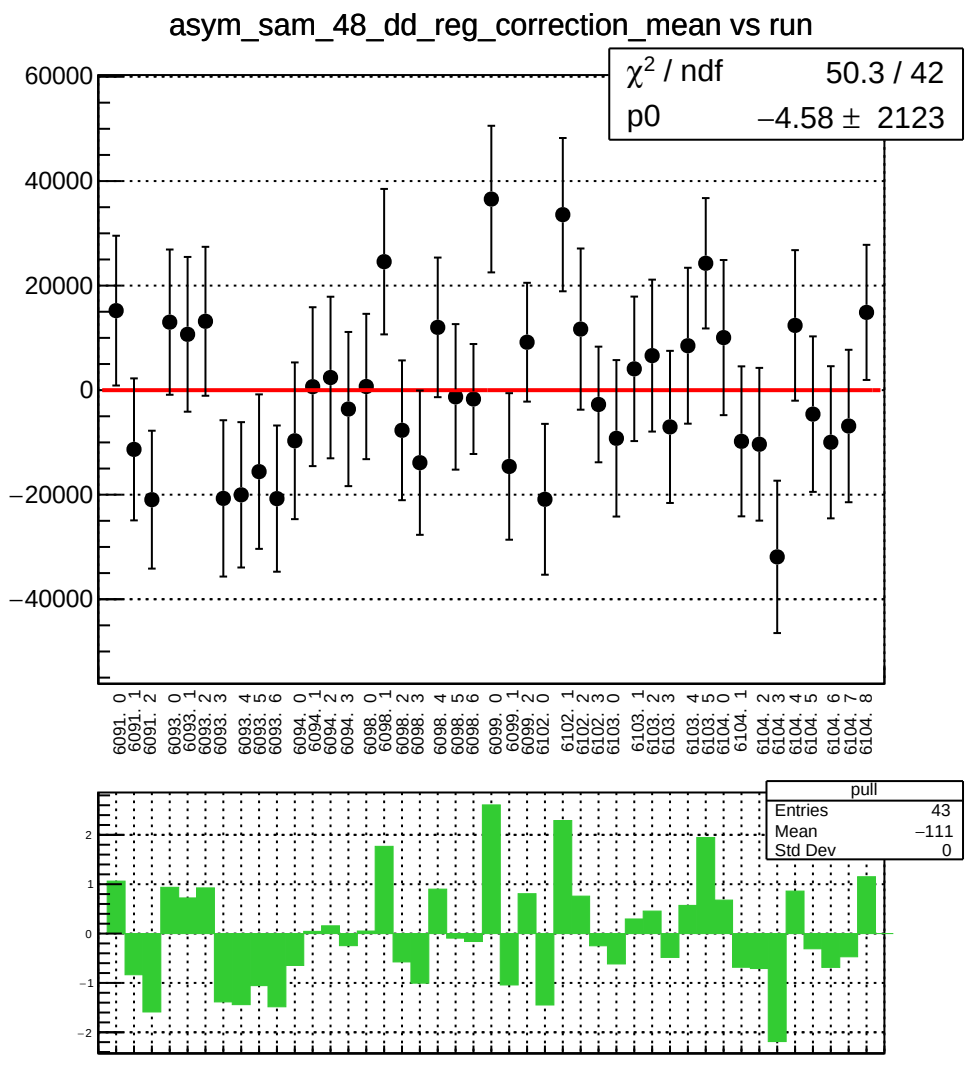

pull1D
Entries 43
Mean 0.04049
Std Dev 1.121

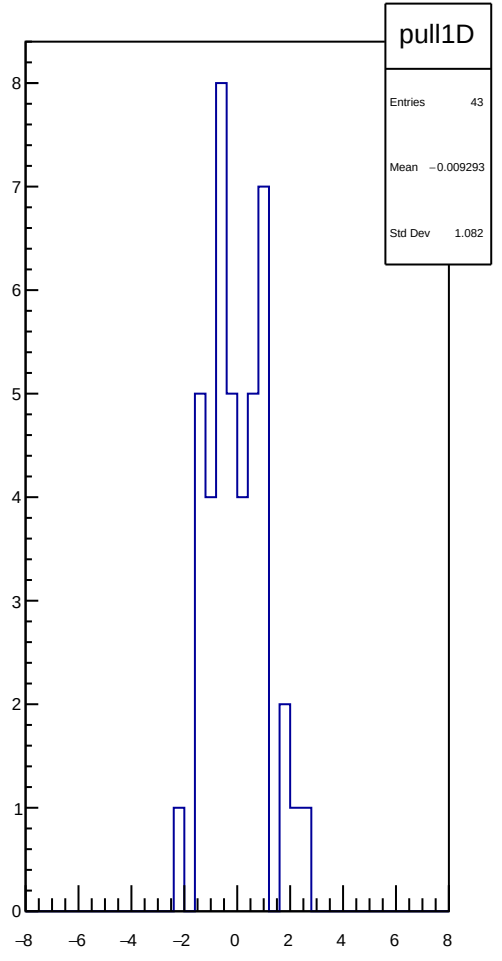

asym_sam_37_dd_eigen_cor_vs_cor_diff_rms vs run
×10⁻¹²
χ² / ndf 2.616e+05 / 42
p0 1.584e−11 ± 2.105e−14
80
70
60
50
40
30
20
10
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

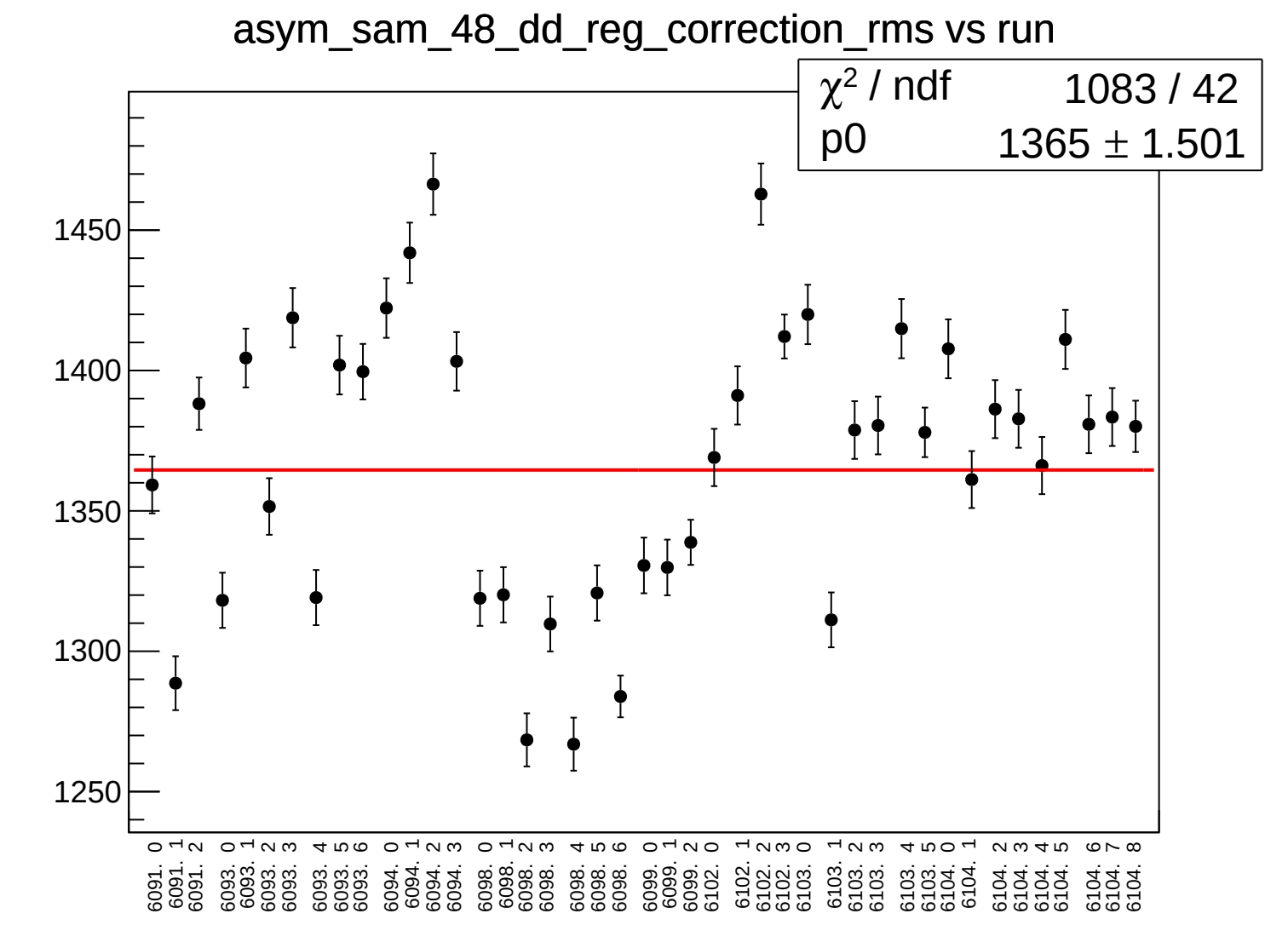

reg_asym_sam_48_dd_mean vs run
χ² / ndf 40.38 / 42
p0 247.4 ± 175.3
4000
3000
2000
1000
0
−1000
−2000
−3000
−4000
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 1.102e+04
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

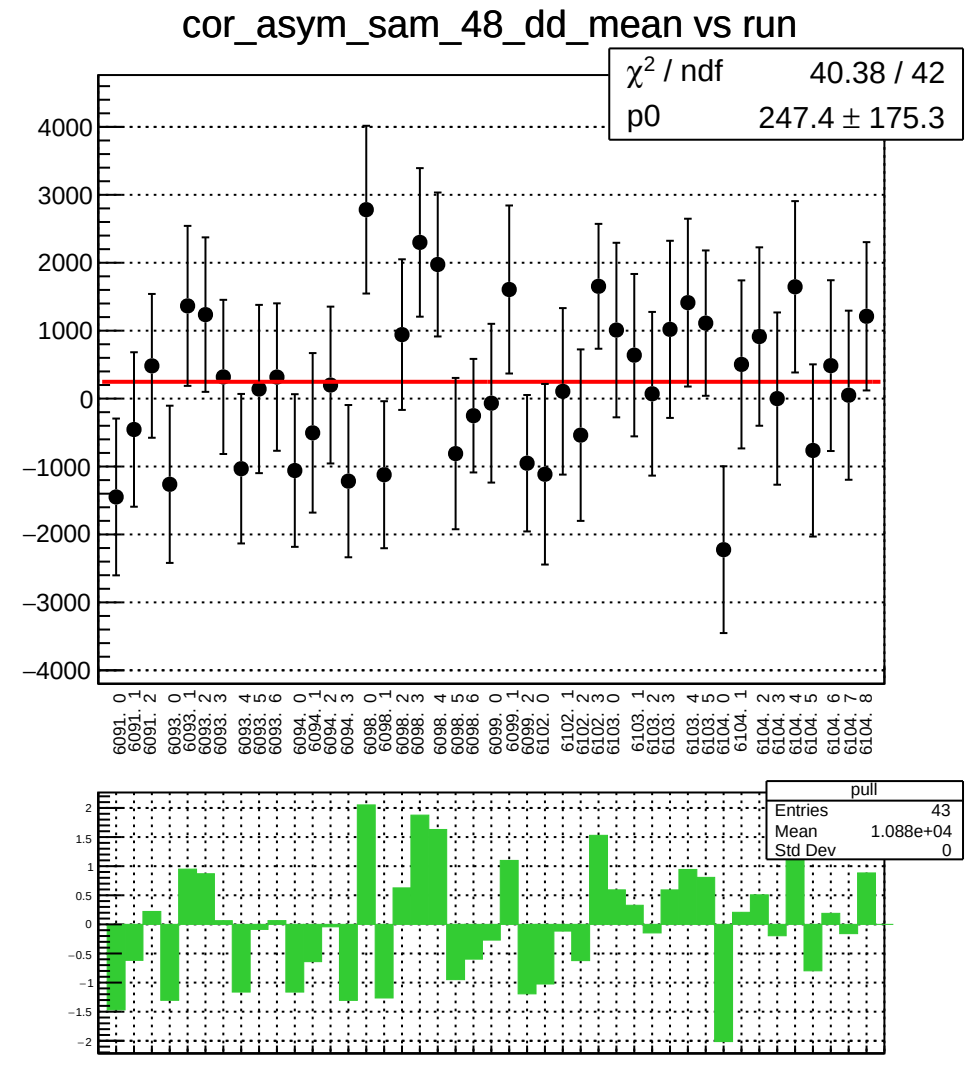

pull1D
Entries 43
Mean 0.0002023
Std Dev 0.969
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

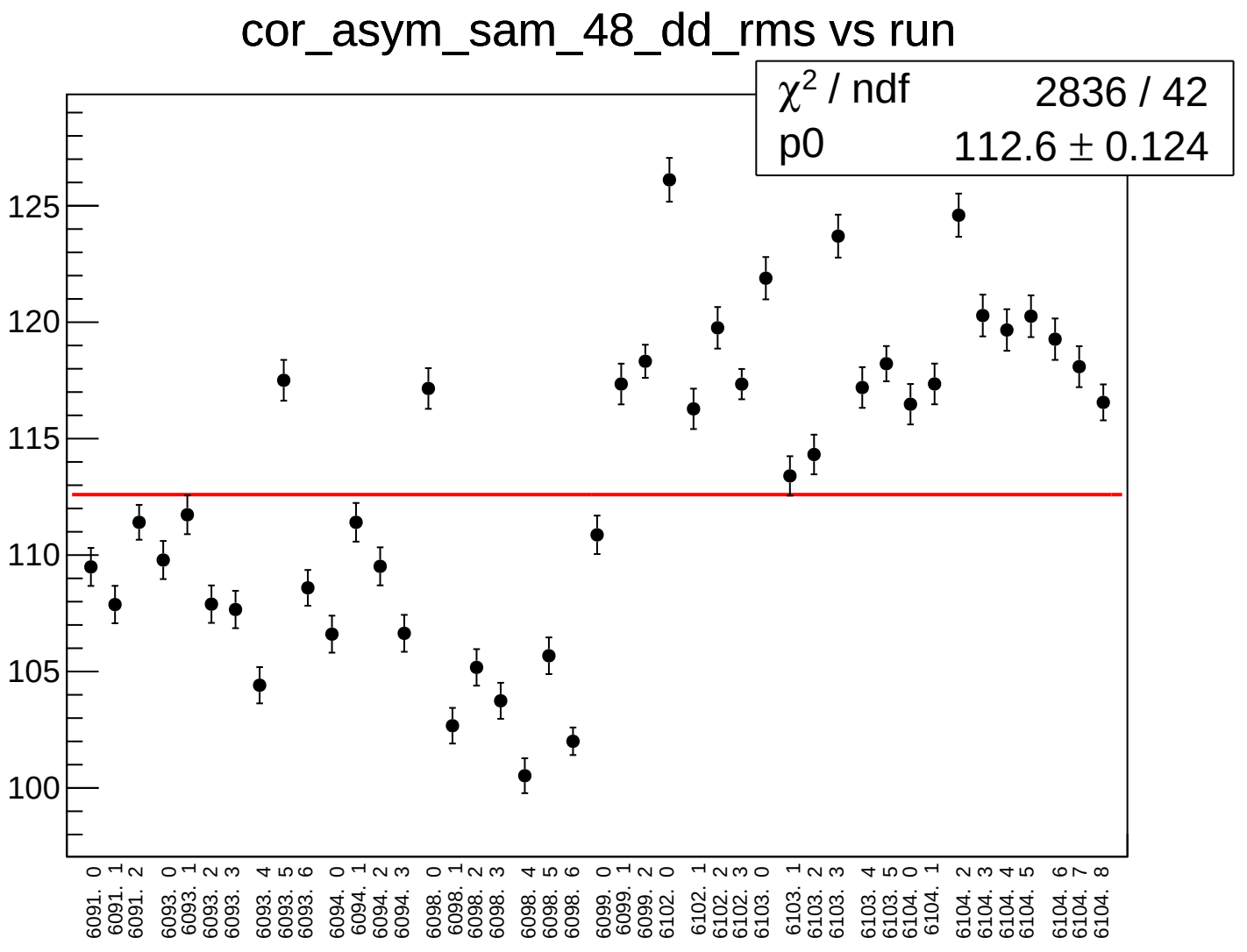

reg_asym_sam_48_dd_rms vs run
χ^2 / ndf 2836 / 42
p0 112.6 ± 0.124
125
120
115
110
105
100
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8


asym_sam_48_dd_reg_correction_mean vs run
χ² / ndf 50.3 / 42
p0 −4.58 ± 2123
60000
40000
20000
0
−20000
−40000
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean −111
Std Dev 0
2
1
0
−1
−2


pull1D
Entries 43
Mean −0.009293
Std Dev 1.082
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


asym_sam_48_dd_reg_correction_rms vs run
χ² / ndf 1083 / 42
p0 1365 ± 1.501
1450
1400
1350
1300
1250
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8


cor_asym_sam_48_dd_mean vs run
χ² / ndf 40.38 / 42
p0 247.4 ± 175.3
4000
3000
2000
1000
0
−1000
−2000
−3000
−4000
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 1.088e+04
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 43
Mean 0.0002048
Std Dev 0.969
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


cor_asym_sam_48_dd_rms vs run
χ^2 / ndf 2836 / 42
p0 112.6 ± 0.124
125
120
115
110
105
100
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
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6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
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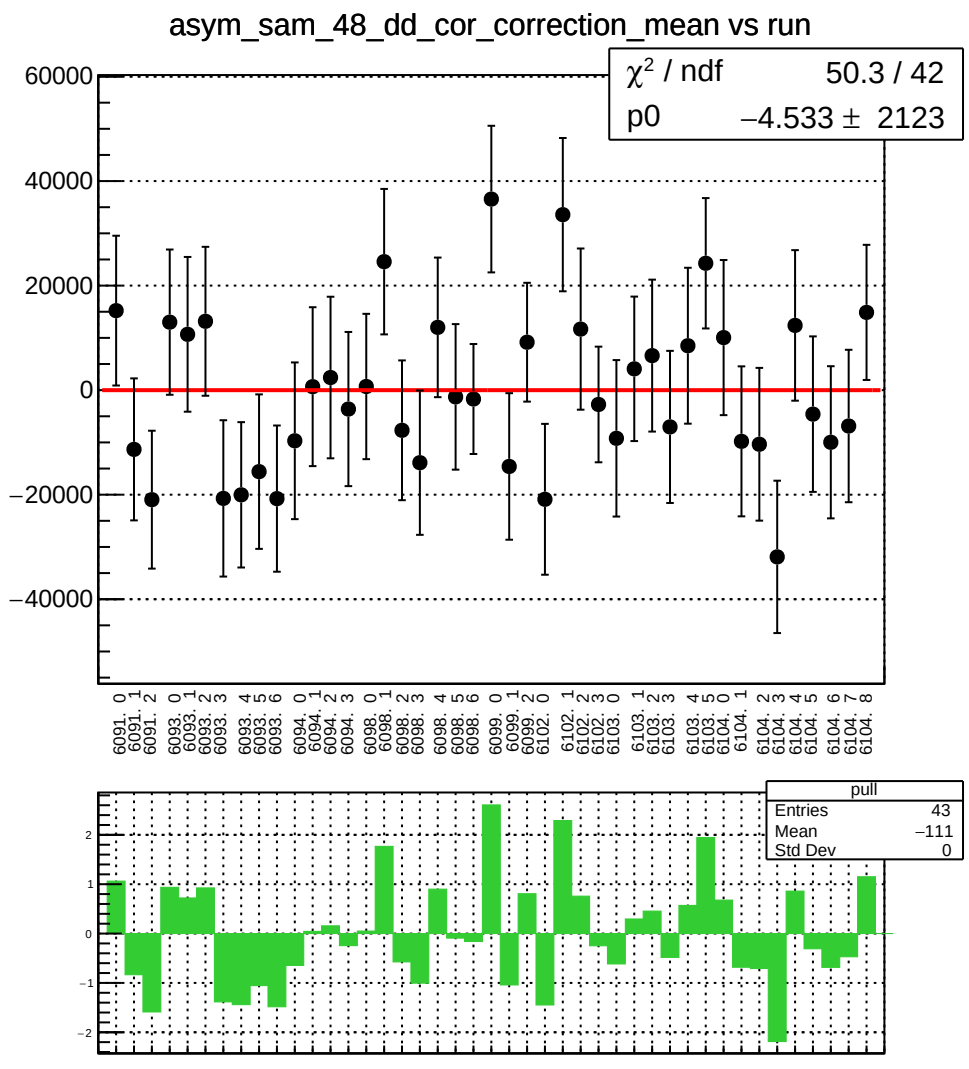
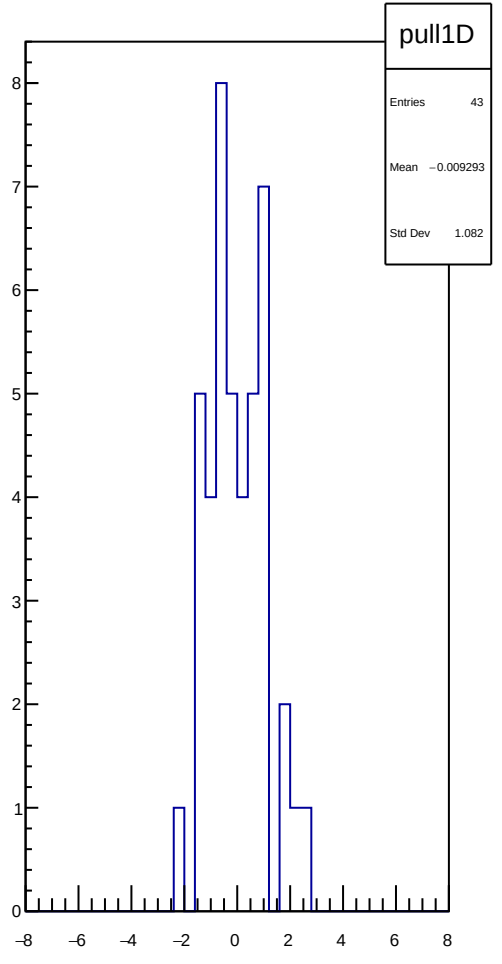
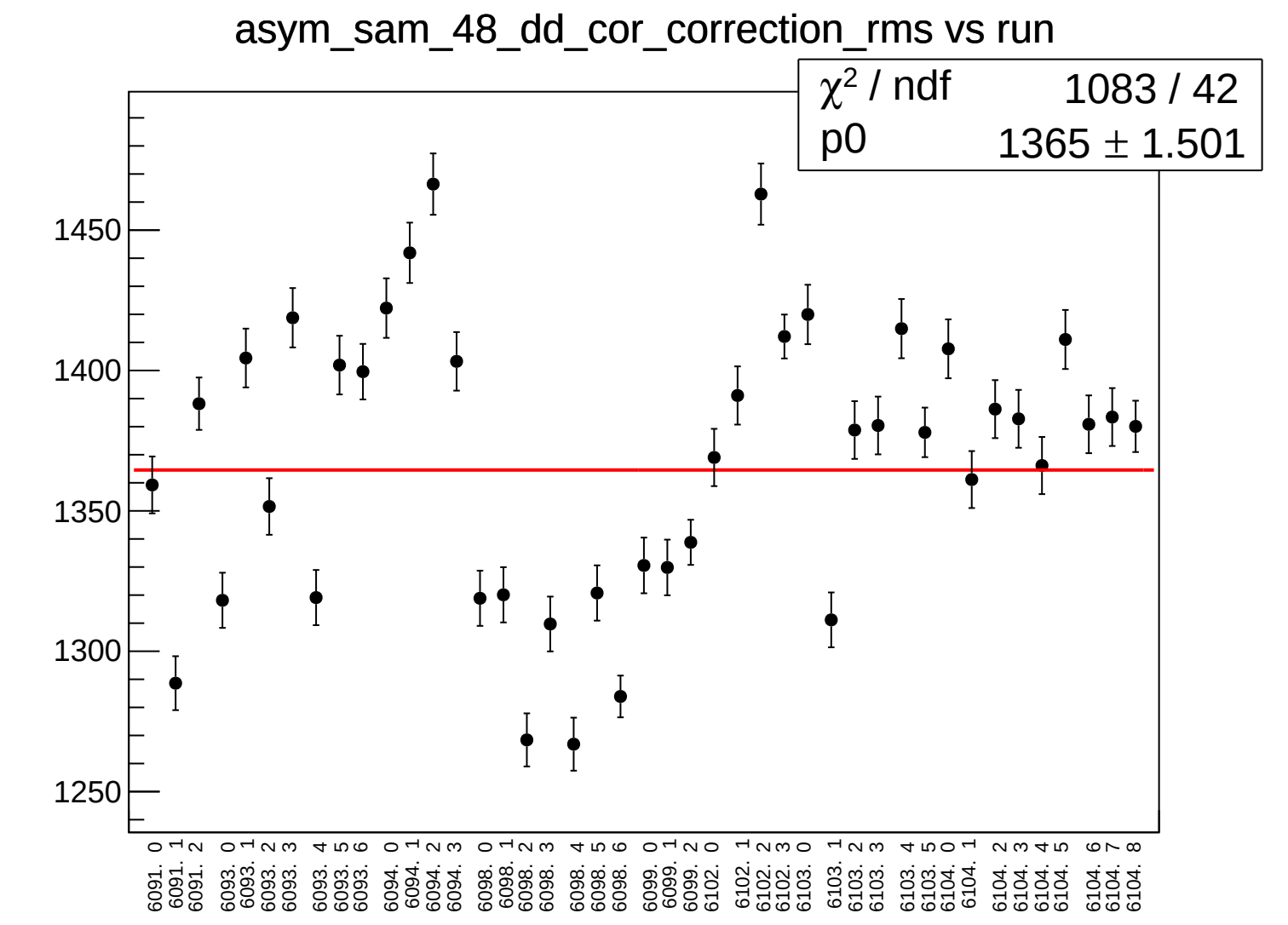
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8


asym_sam_48_dd_cor_correction_mean vs run
χ² / ndf 50.3 / 42
p0 −4.533 ± 2123
60000
40000
20000
0
−20000
−40000
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean −111
Std Dev 0
2
1
0
−1
−2


pull1D
Entries 43
Mean −0.009293
Std Dev 1.082
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


asym_sam_48_dd_cor_correction_rms vs run
χ² / ndf 1083 / 42
p0 1365 ± 1.501
1450
1400
1350
1300
1250
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
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6104. 5
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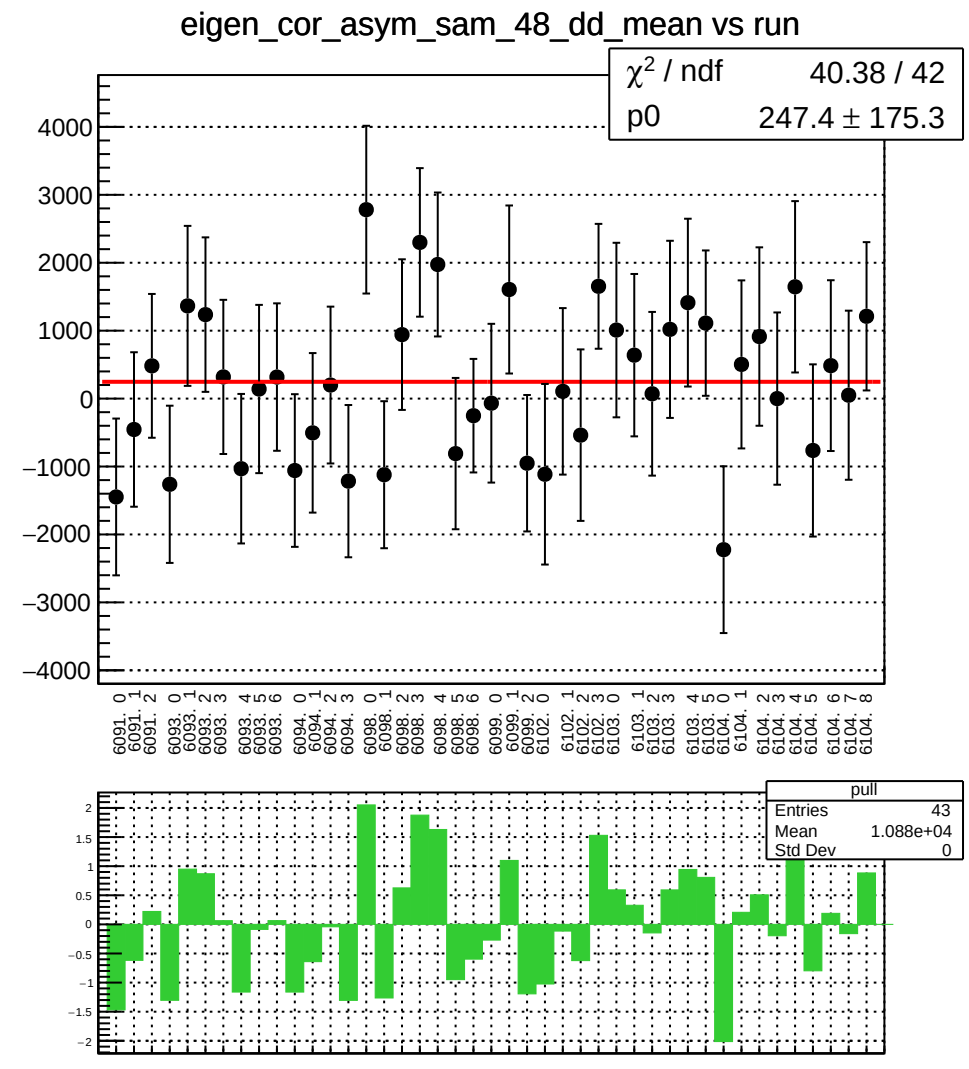
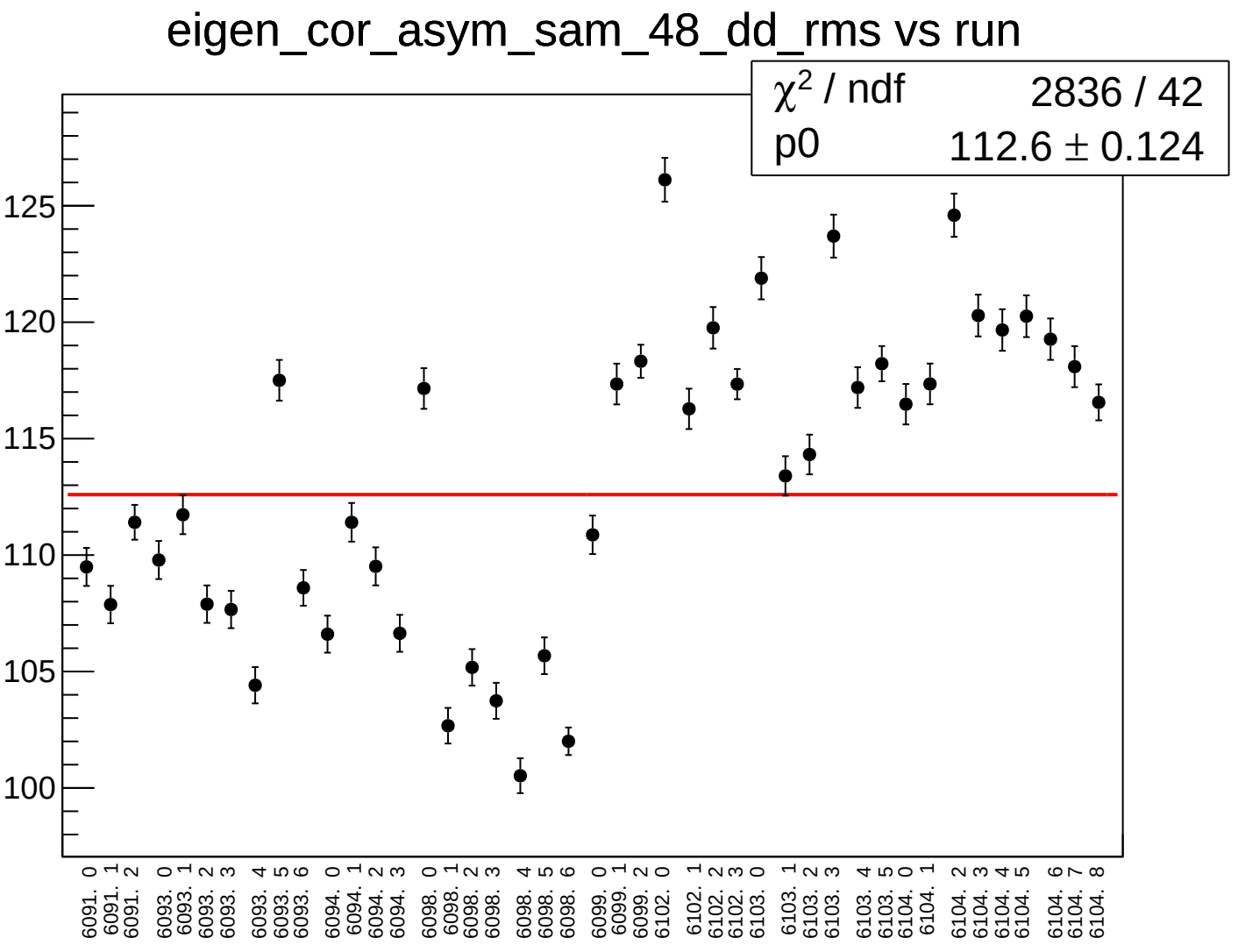
6104. 7
6104. 8


eigen_cor_asym_sam_48_dd_mean vs run
χ² / ndf 40.38 / 42
p0 247.4 ± 175.3
4000
3000
2000
1000
0
−1000
−2000
−3000
−4000
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 1.088e+04
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 43
Mean 0.0002048
Std Dev 0.969
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


eigen_cor_asym_sam_48_dd_rms vs run
χ² / ndf 2836 / 42
p0 112.6 ± 0.124
125
120
115
110
105
100
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
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6104. 5
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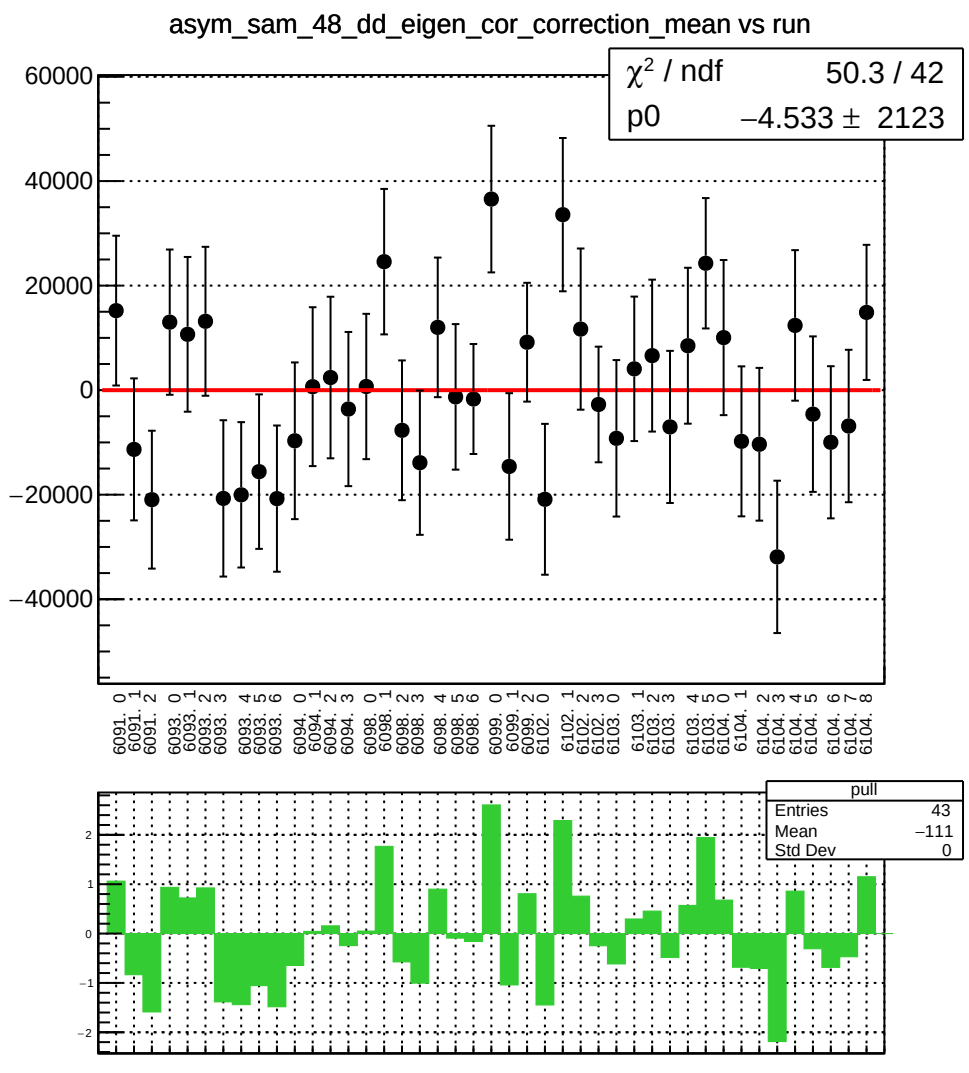
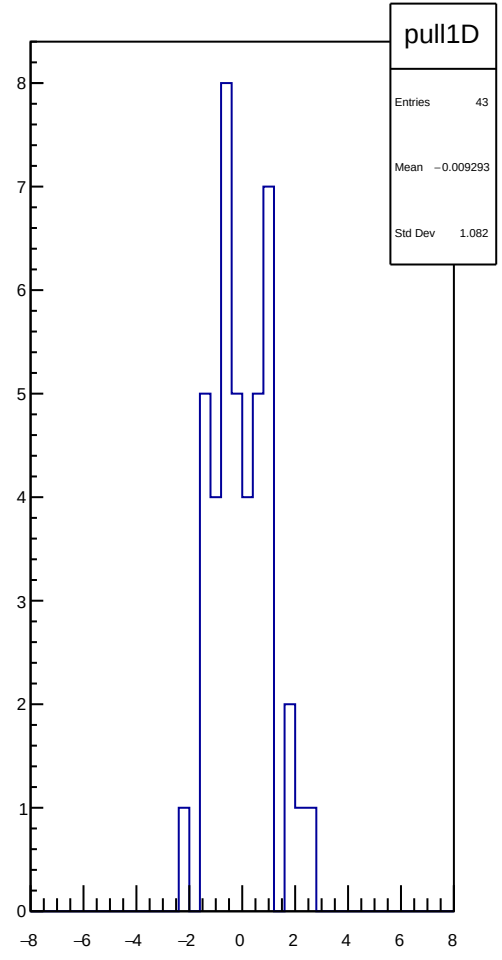
6104. 7
6104. 8


asym_sam_48_dd_eigen_cor_correction_mean vs run
χ² / ndf 50.3 / 42
p0 −4.533 ± 2123
60000
40000
20000
0
−20000
−40000
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean −111
Std Dev 0
2
1
0
−1
−2


pull1D
Entries 43
Mean −0.009293
Std Dev 1.082
8
7
6
5
4
3
2
1
0
−8
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−4
−2
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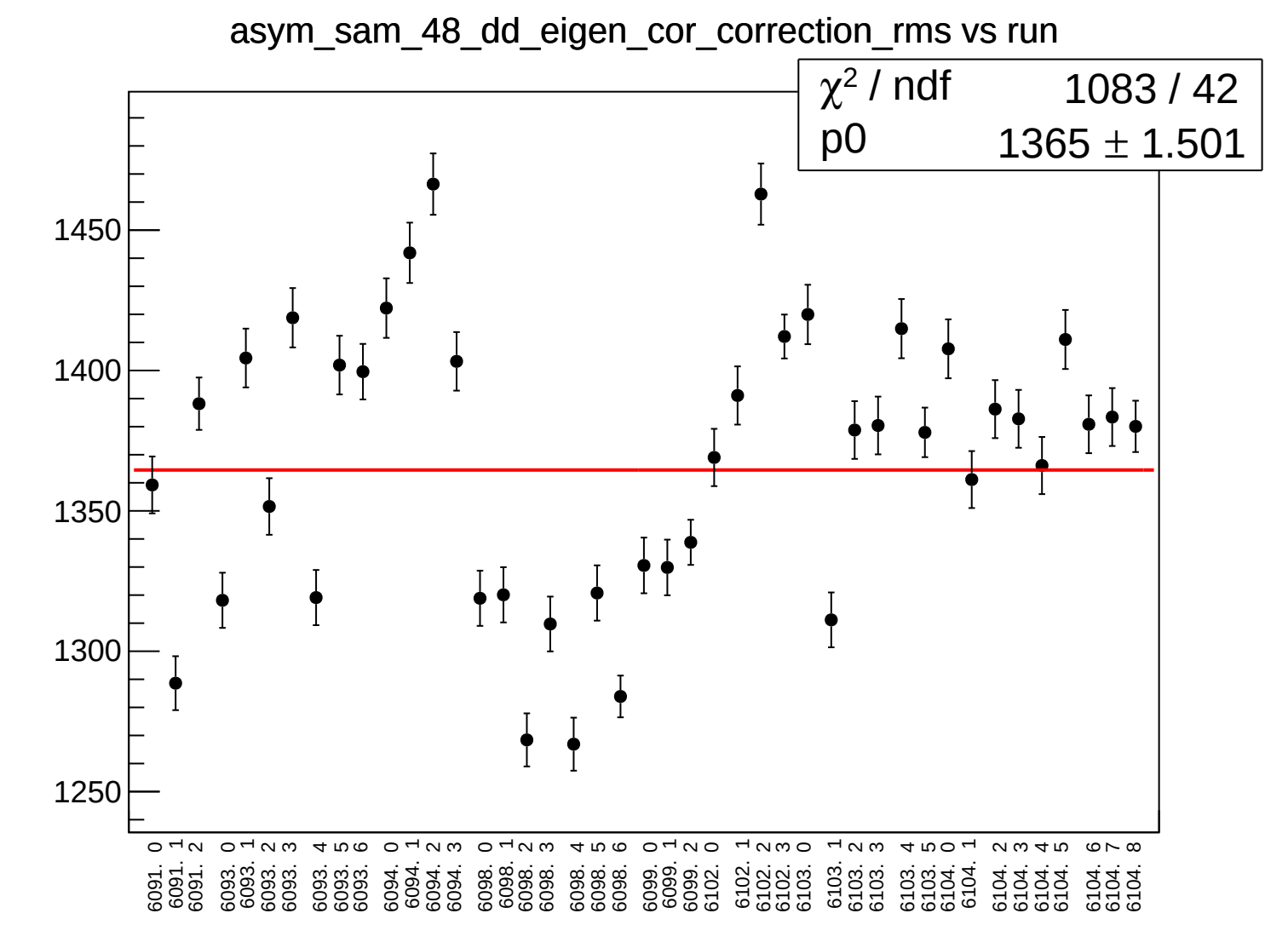
6
8


asym_sam_48_dd_eigen_cor_correction_rms vs run
χ² / ndf 1083 / 42
p0 1365 ± 1.501
1450
1400
1350
1300
1250
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
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6098. 4
6098. 5
6098. 6
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6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
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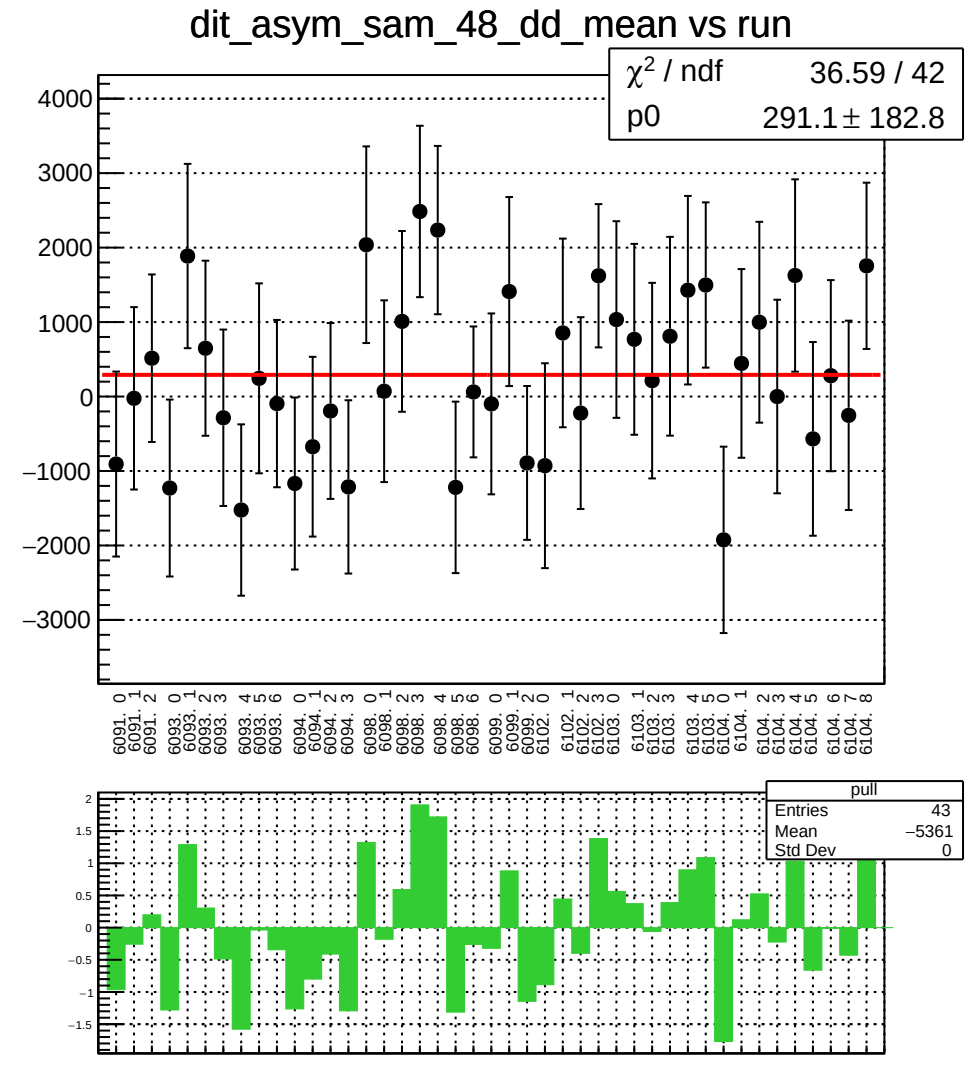
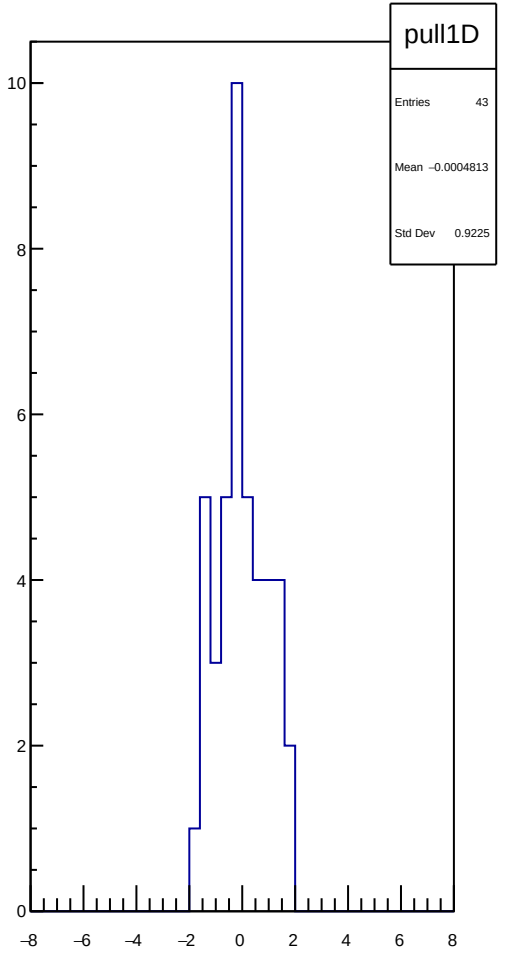
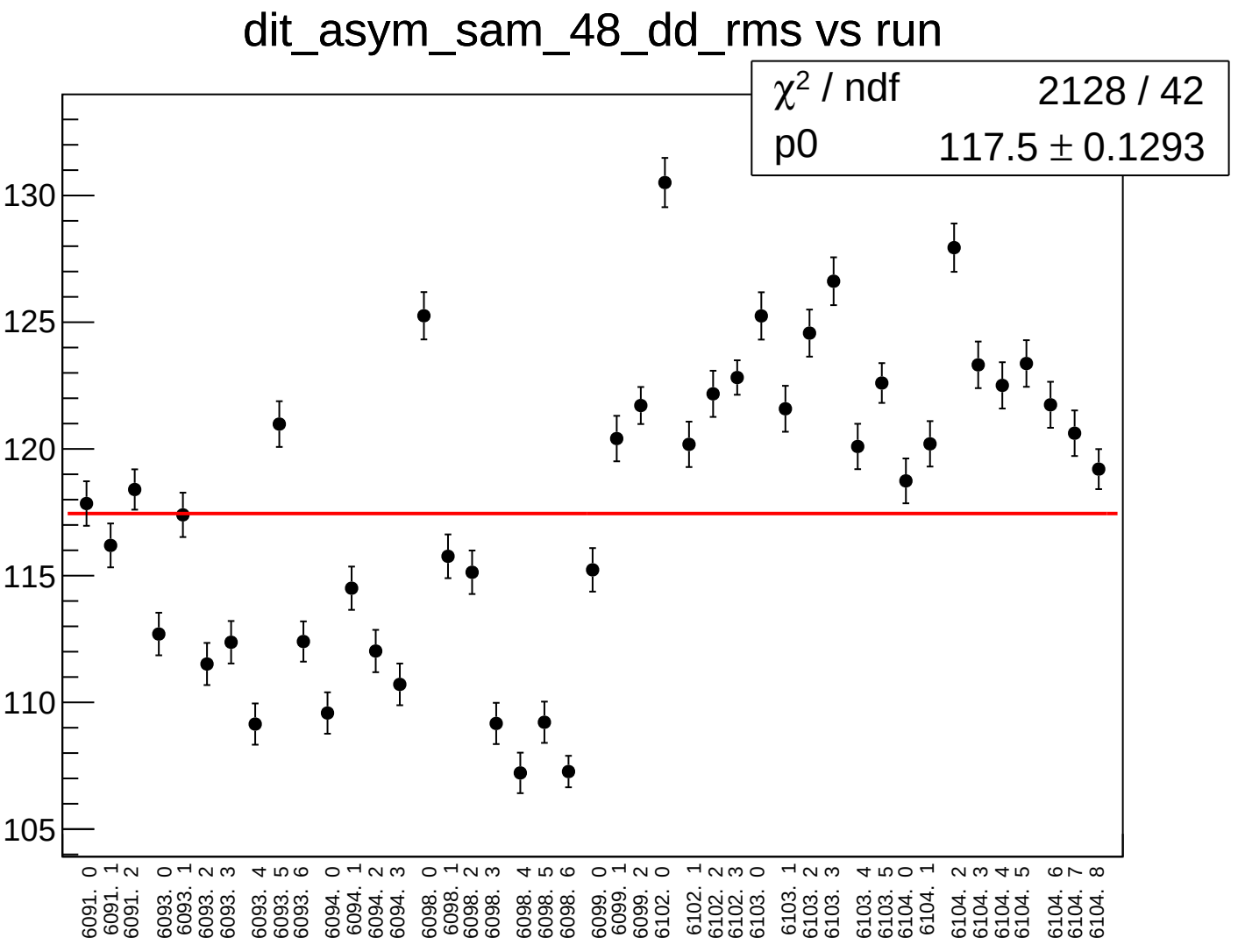

dit_asym_sam_48_dd_mean vs run
χ² / ndf 36.59 / 42
p0 291.1 ± 182.8
4000
3000
2000
1000
0
−1000
−2000
−3000
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean −5361
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5


pull1D
Entries 43
Mean −0.0004813
Std Dev 0.9225
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


dit_asym_sam_48_dd_rms vs run
χ² / ndf 2128 / 42
p0 117.5 ± 0.1293
130
125
120
115
110
105
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
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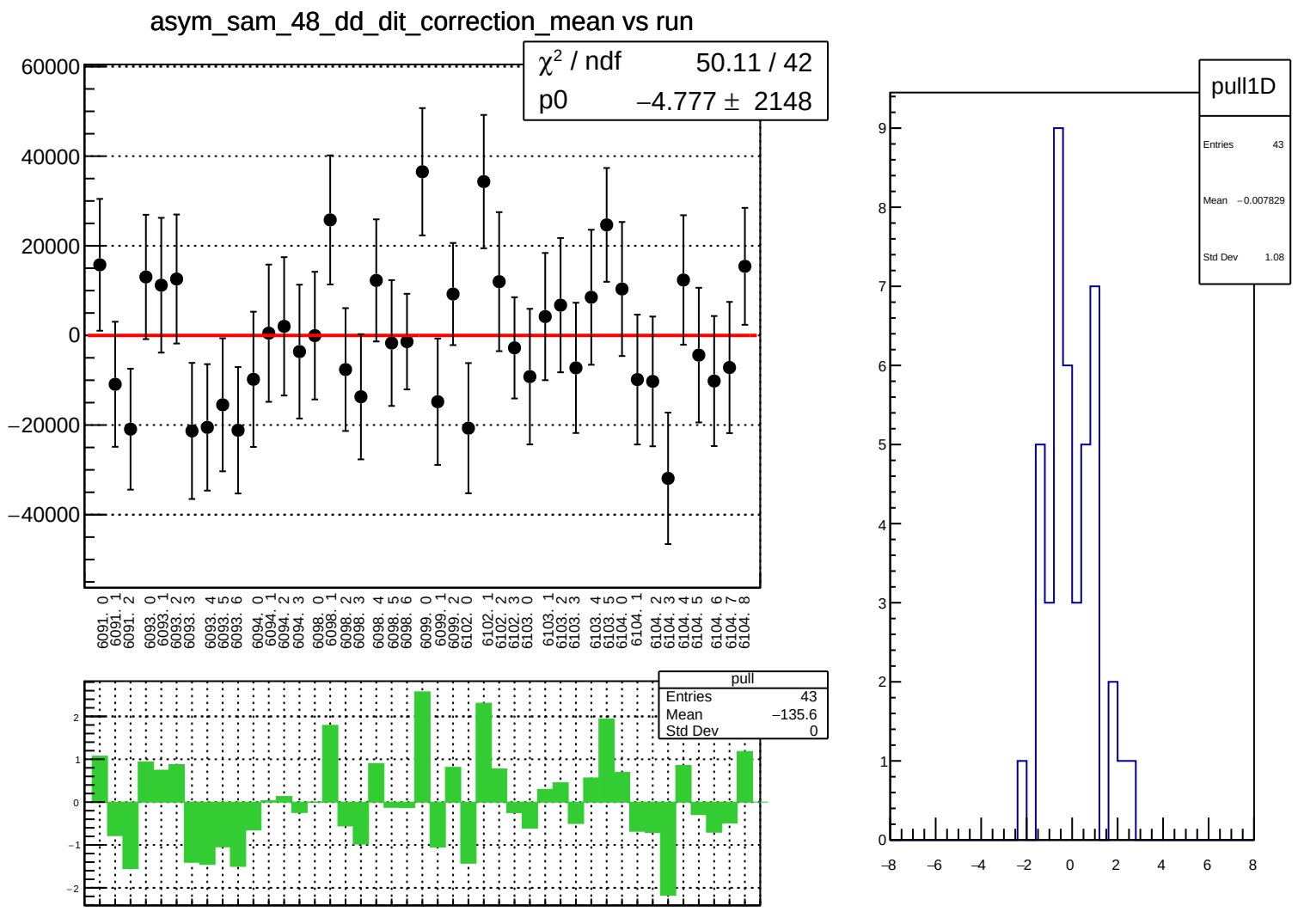
asym_sam_48_dd_dit_correction_mean vs run
χ² / ndf 50.11 / 42
p0 −4.777 ± 2148
60000
40000
20000
0
−20000
−40000
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
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6098. 0
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6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
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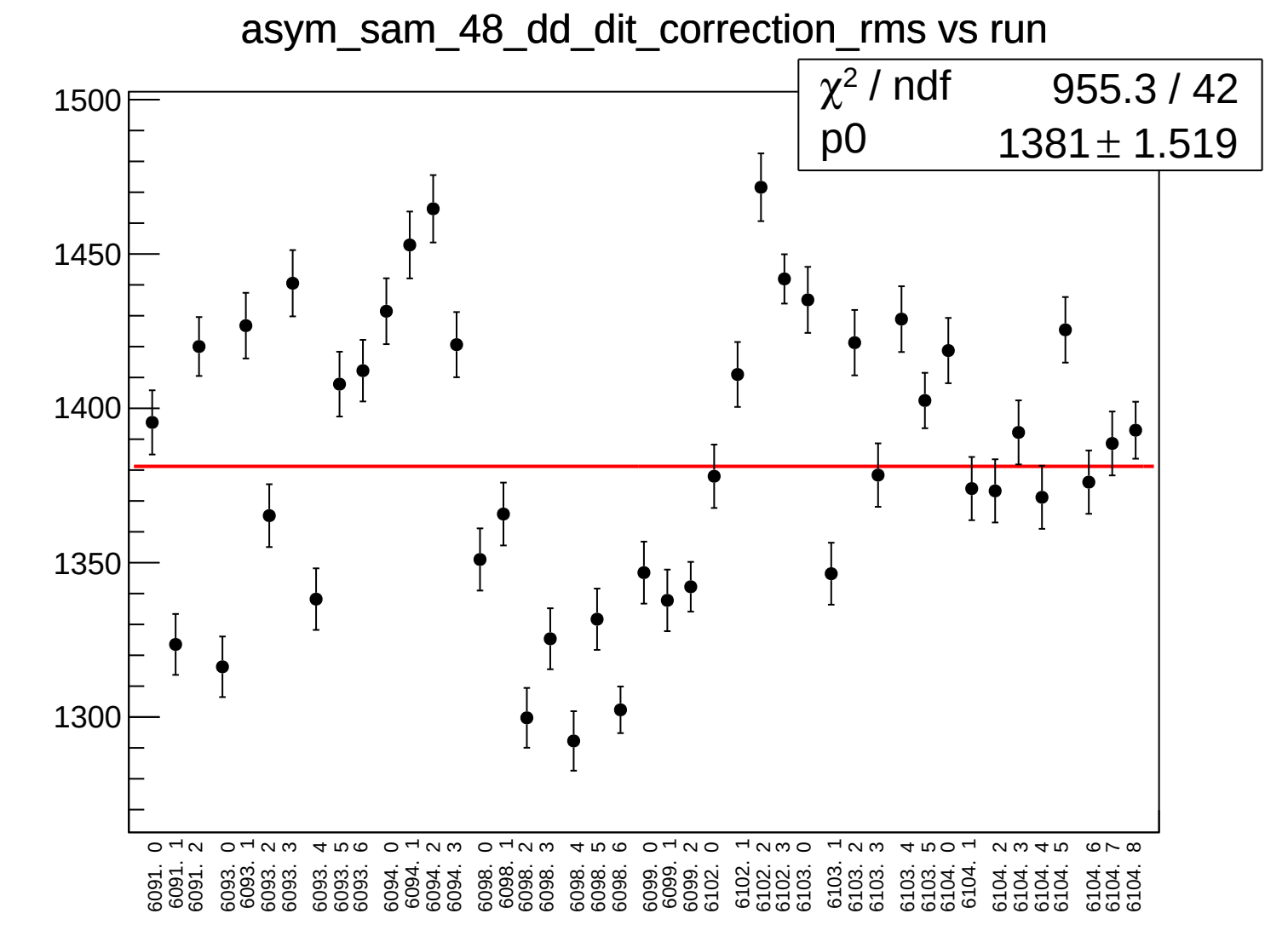
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean −135.6
Std Dev 0
2
1
0
−1
−2
pull1D
Entries 43
Mean −0.007829
Std Dev 1.08
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


asym_sam_48_dd_dit_correction_rms vs run
χ² / ndf 955.3 / 42
p0 1381 ± 1.519
1500
1450
1400
1350
1300
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
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6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
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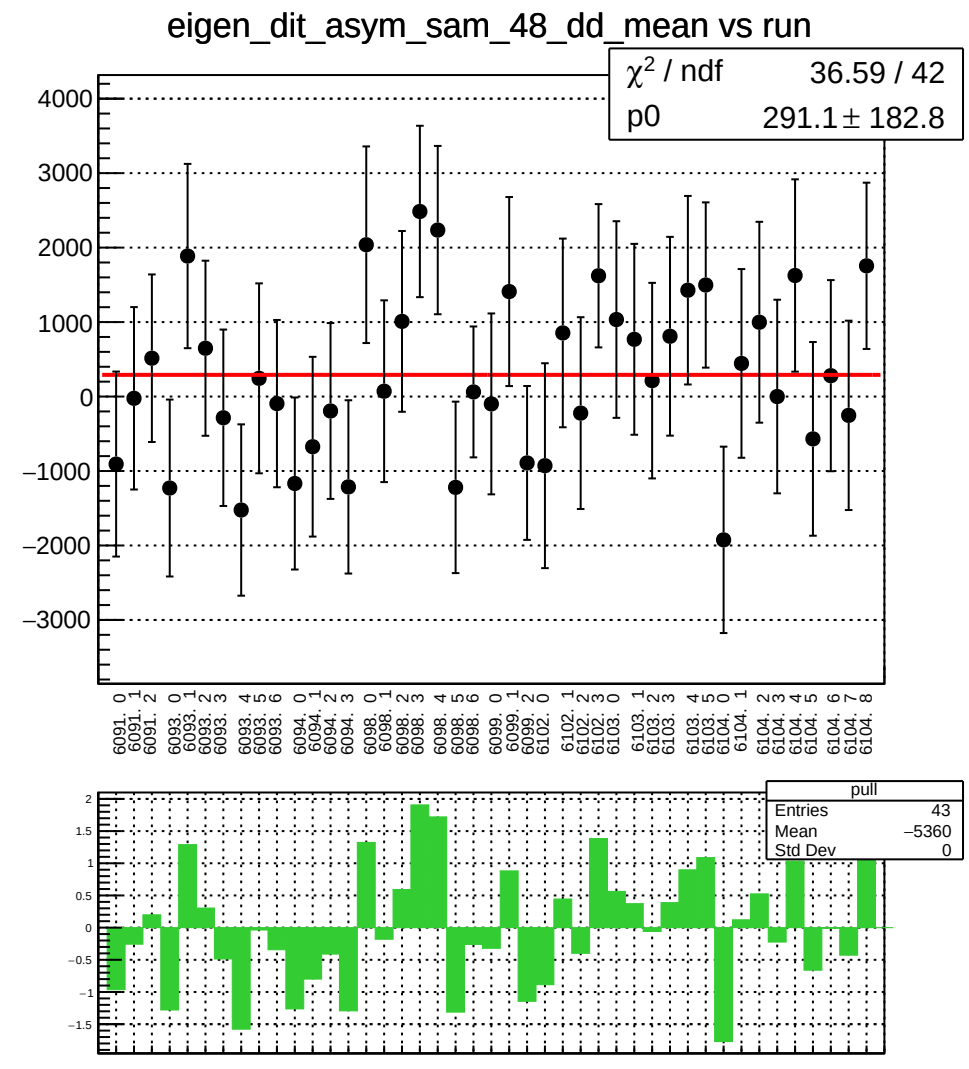
6104. 6
6104. 7
6104. 8


eigen_dit_asym_sam_48_dd_mean vs run
χ² / ndf 36.59 / 42
p0 291.1 ± 182.8
4000
3000
2000
1000
0
−1000
−2000
−3000
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
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6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
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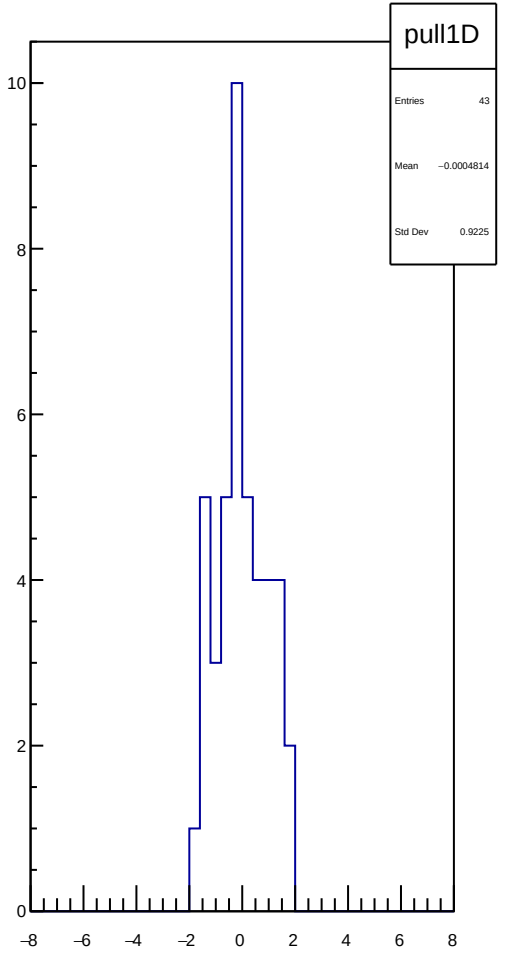
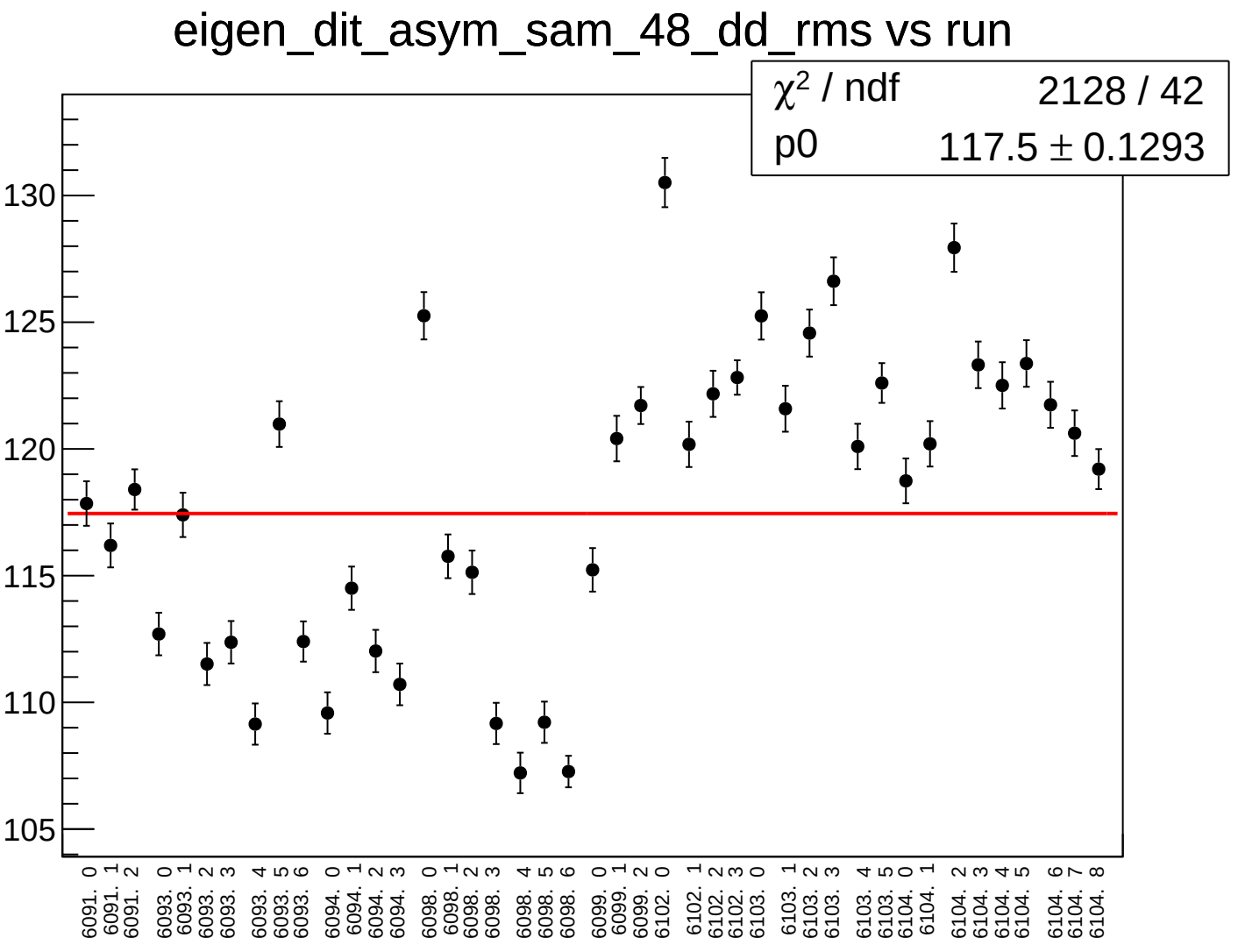
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean −5360
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5


pull1D
Entries 43
Mean −0.0004814
Std Dev 0.9225
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


eigen_dit_asym_sam_48_dd_rms vs run
χ² / ndf 2128 / 42
p0 117.5 ± 0.1293
130
125
120
115
110
105
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
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6094. 0
6094. 1
6094. 2
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6098. 1
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6098. 6
6099. 0
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6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
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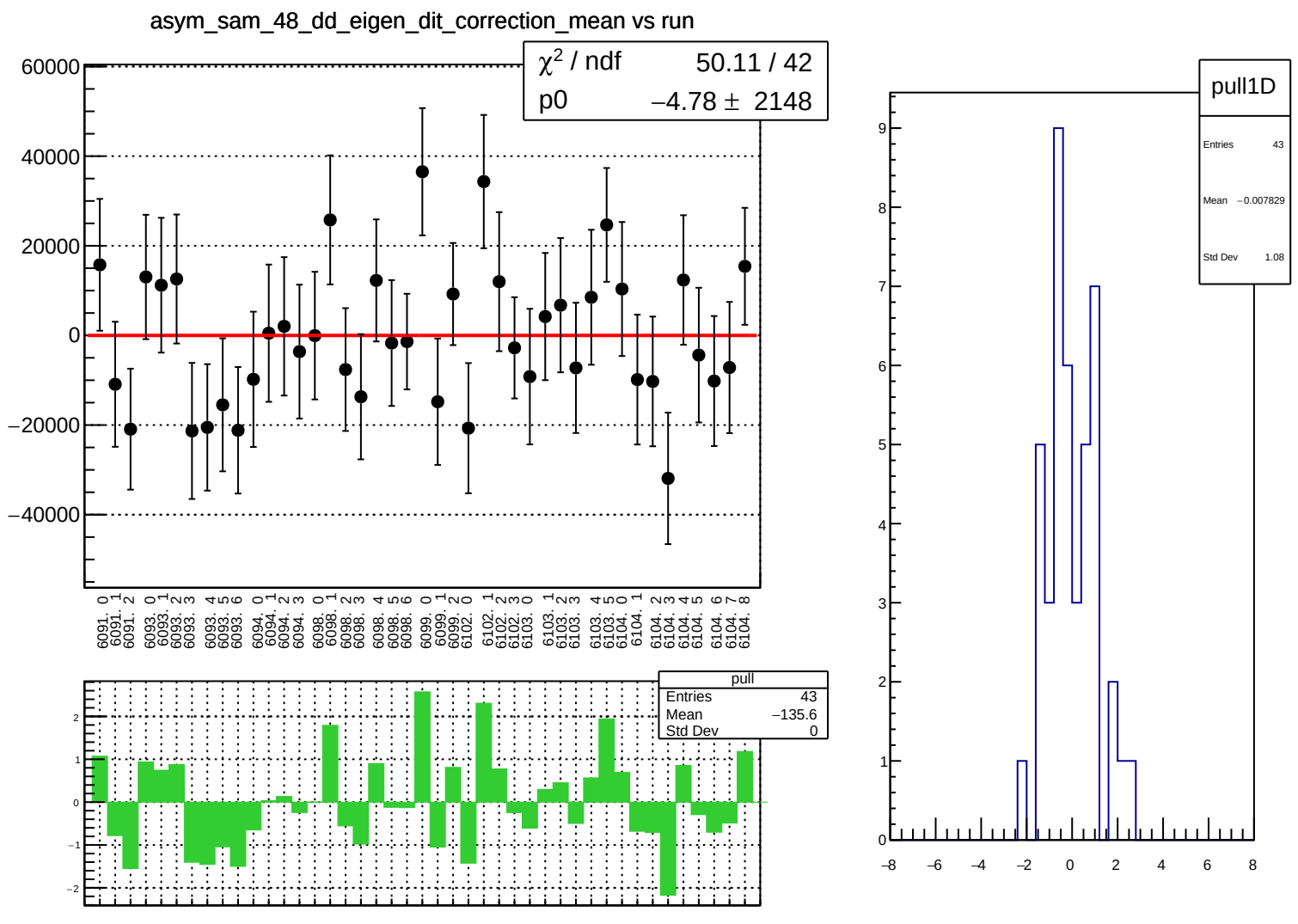
6104. 8


asym_sam_48_dd_eigen_dit_correction_mean vs run
χ² / ndf 50.11 / 42
p0 −4.78 ± 2148
60000
40000
20000
0
−20000
−40000
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
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6099. 2
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6102. 3
6103. 0
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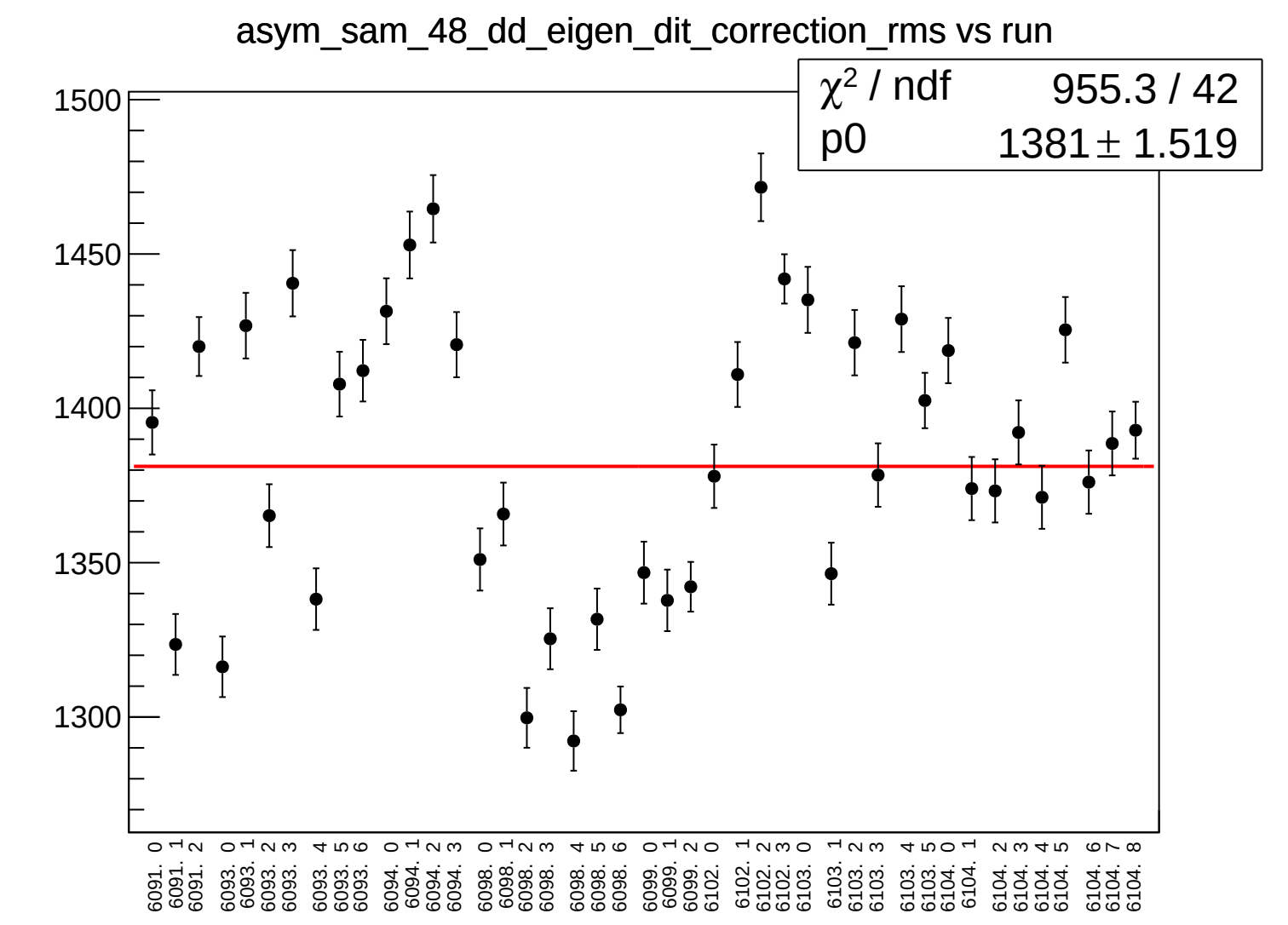
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean −135.6
Std Dev 0
2
1
0
−1
−2
pull1D
Entries 43
Mean −0.007829
Std Dev 1.08
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


asym_sam_48_dd_eigen_dit_correction_rms vs run
χ² / ndf 955.3 / 42
p0 1381 ± 1.519
1500
1450
1400
1350
1300
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
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6098. 0
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6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
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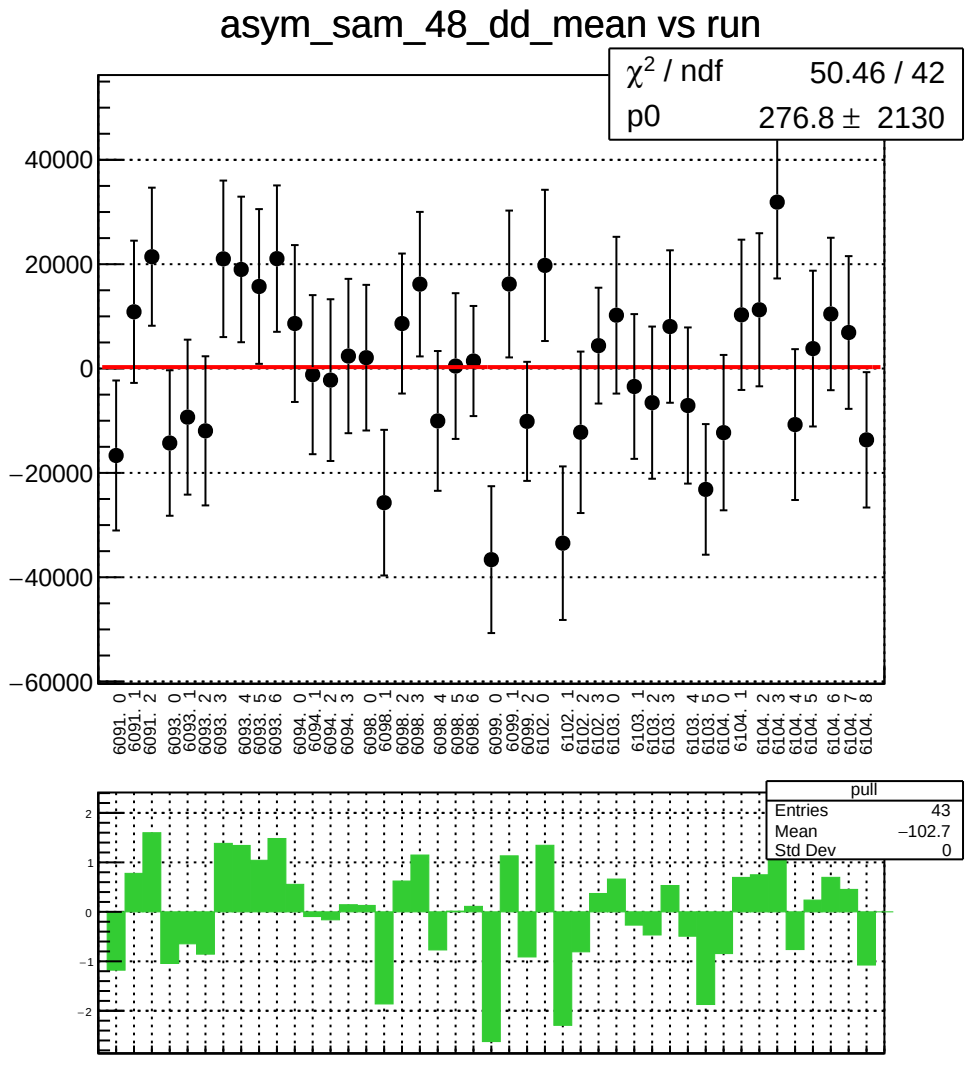
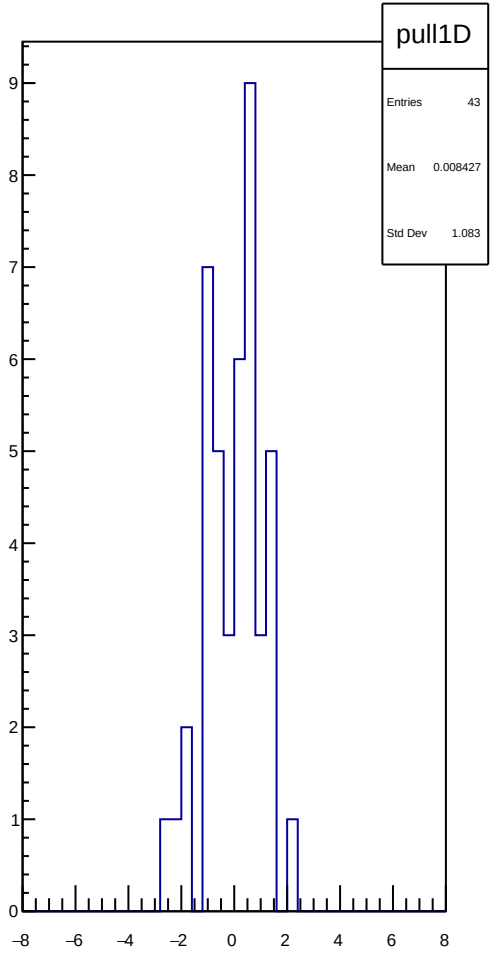
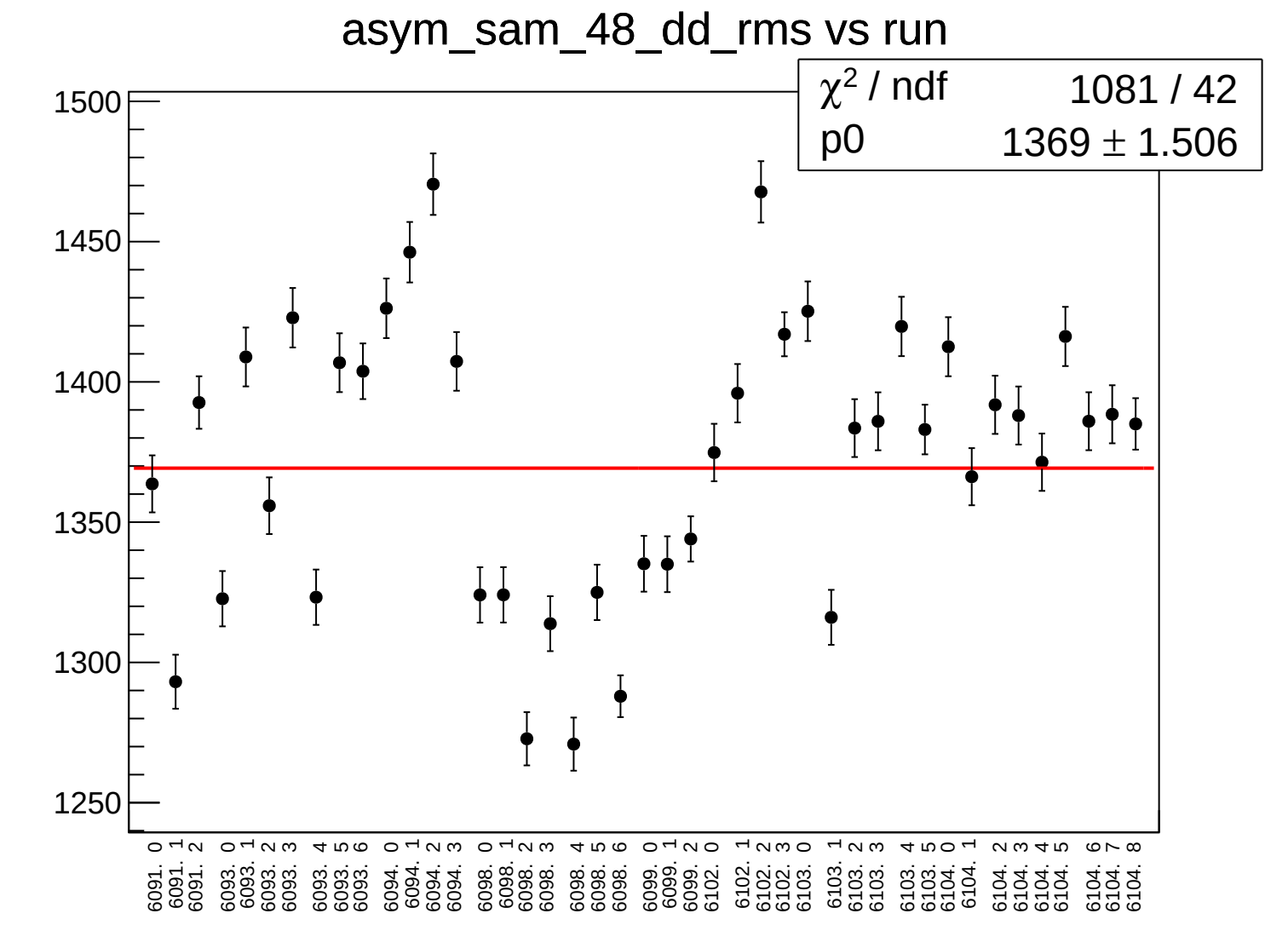
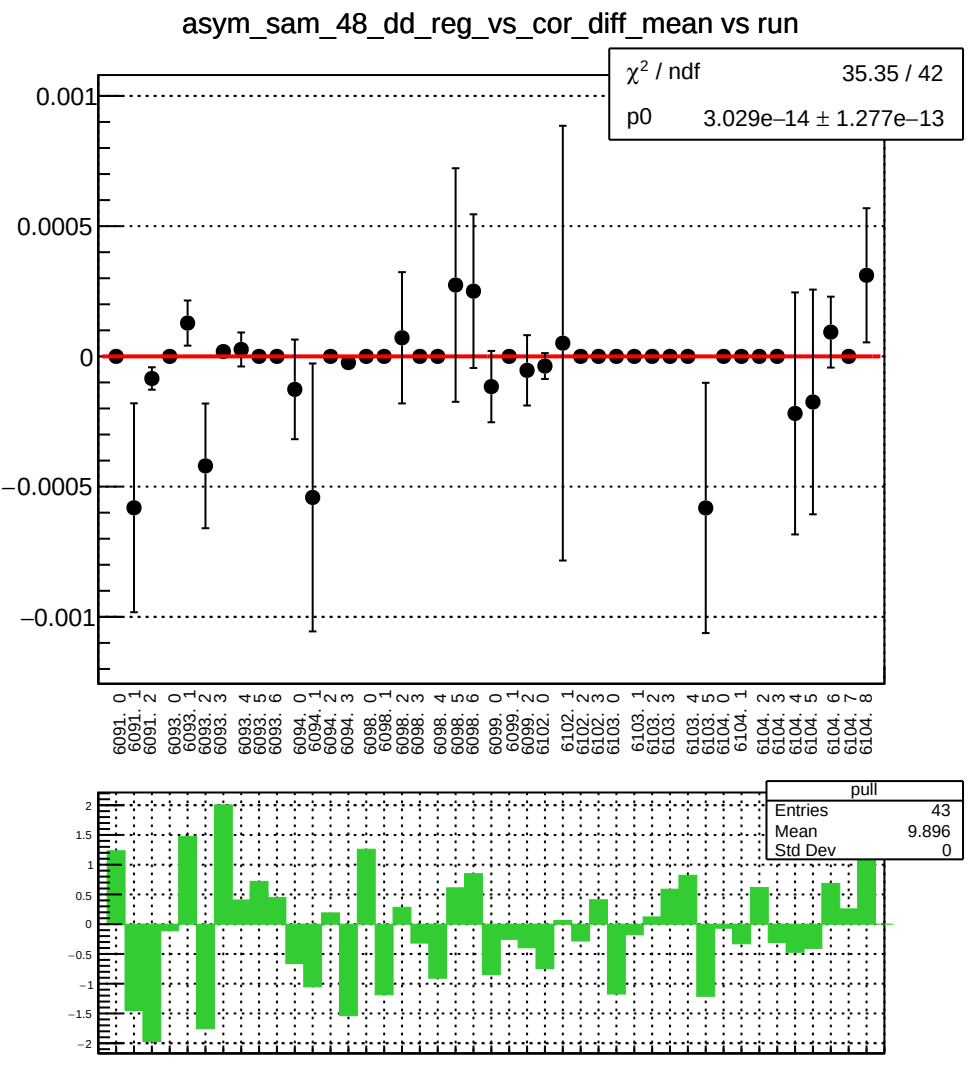
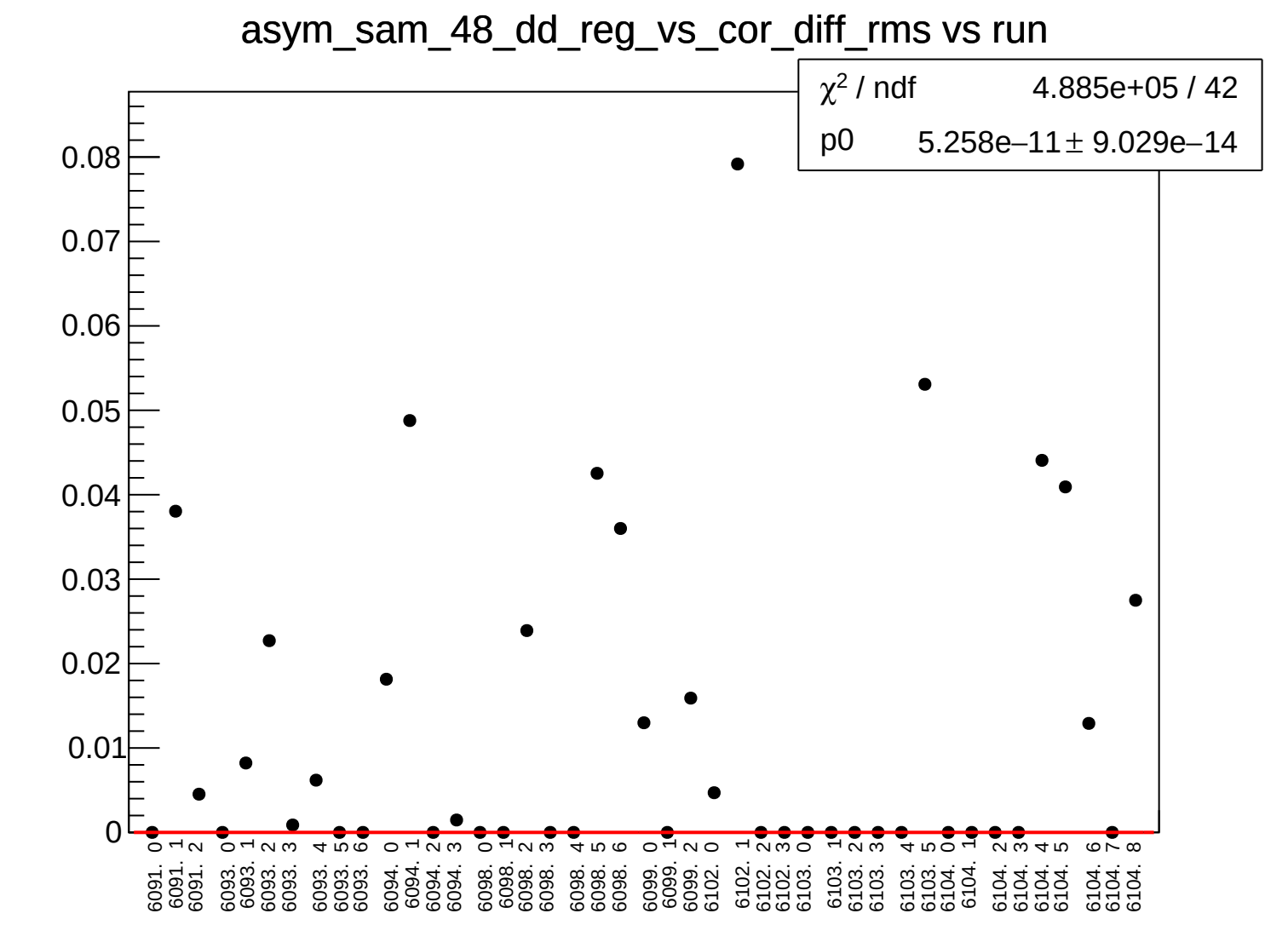
6104. 6
6104. 7
6104. 8

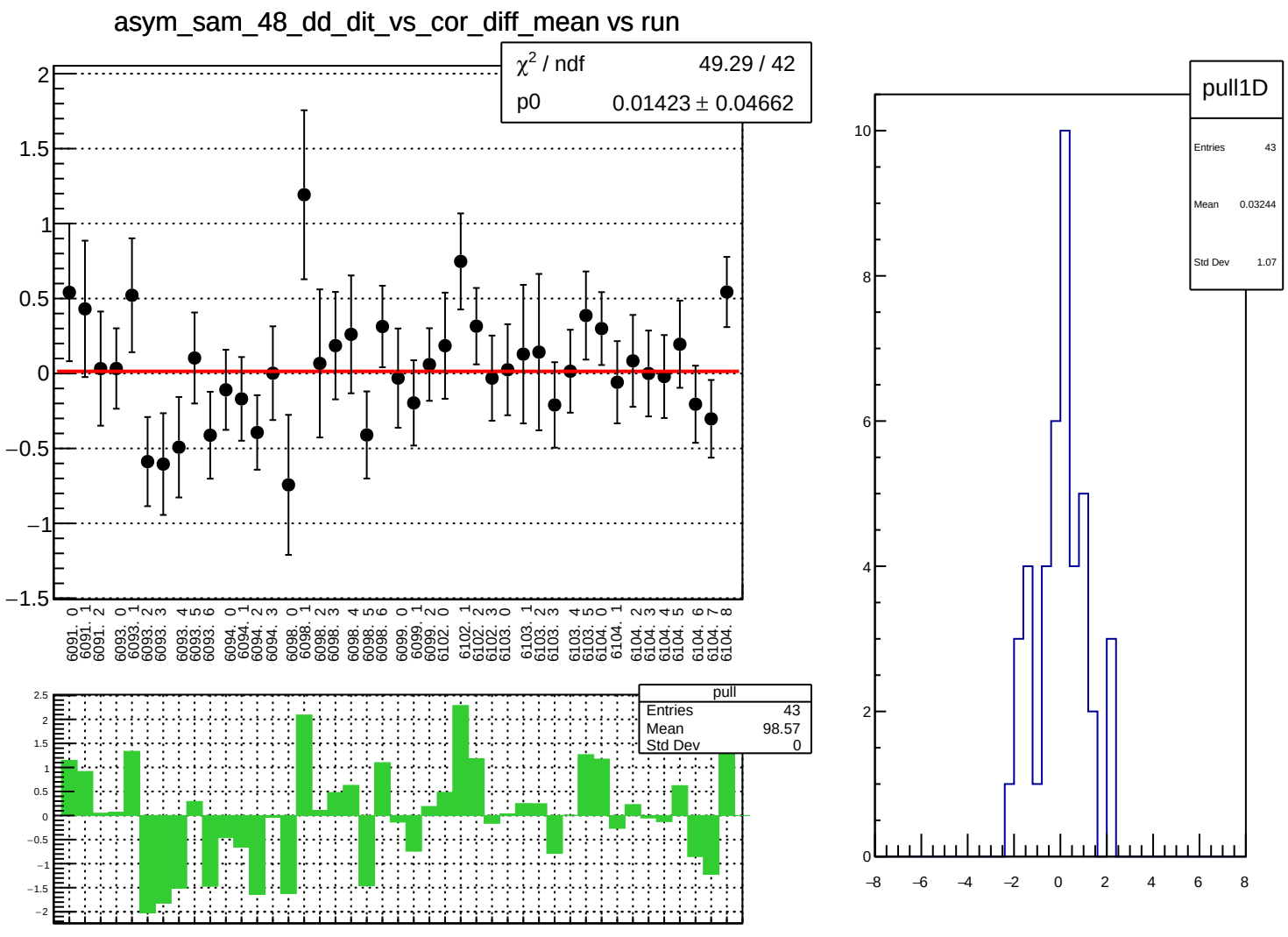

asym_sam_48_dd_mean vs run
χ² / ndf 50.46 / 42
p0 276.8 ± 2130
40000
20000
0
−20000
−40000
−60000
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean −102.7
Std Dev 0
2
1
0
−1
−2

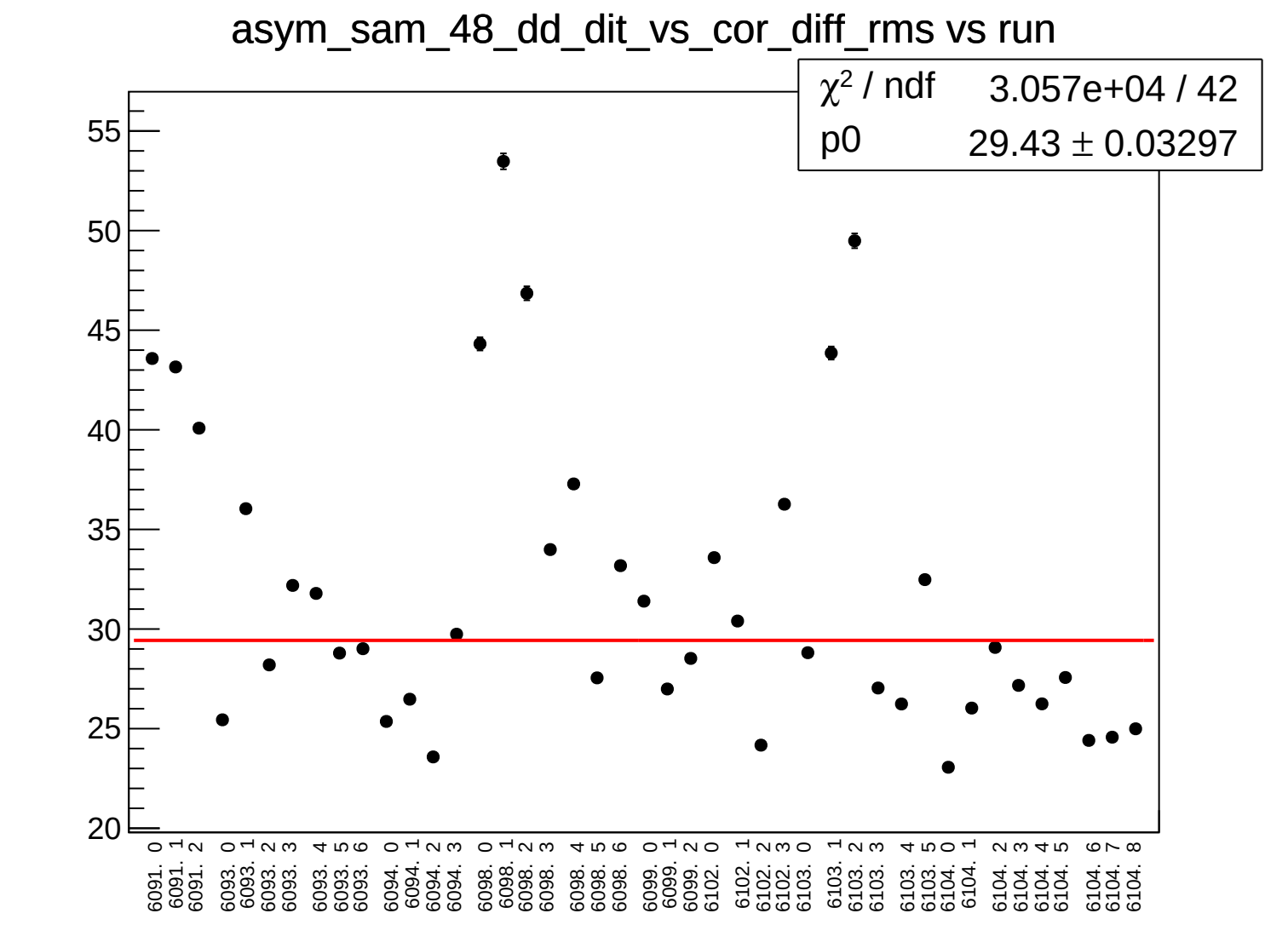

pull1D
Entries 43
Mean 0.008427
Std Dev 1.083
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

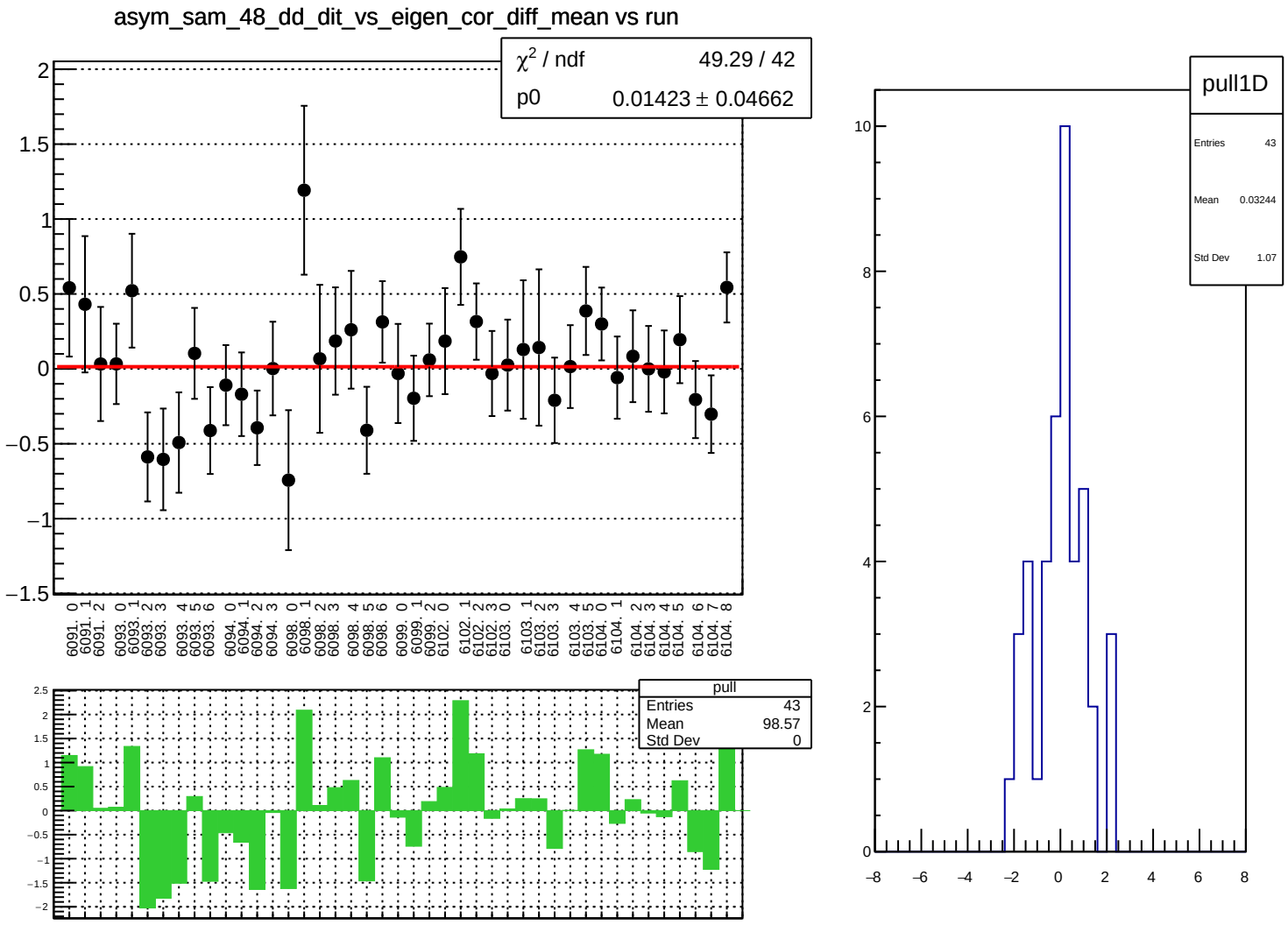

asym_sam_48_dd_rms vs run
χ² / ndf 1081 / 42
p0 1369 ± 1.506
1500
1450
1400
1350
1300
1250
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

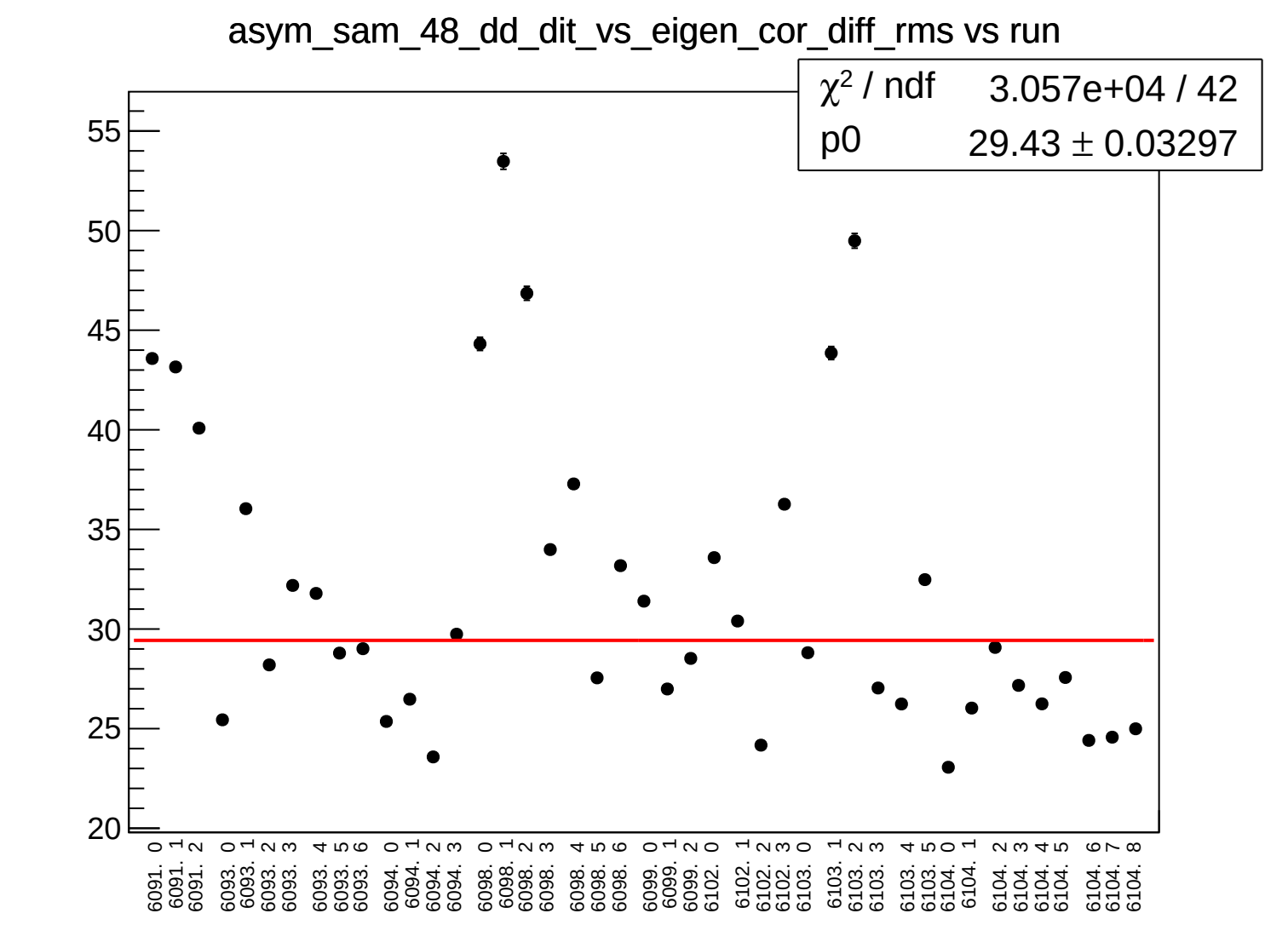

asym_sam_48_dd_reg_vs_cor_diff_mean vs run
χ² / ndf 35.35 / 42
p0 3.029e−14 ± 1.277e−13
0.001
0.0005
0
−0.0005
−0.001
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 9.896
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 43
Mean −0.07846
Std Dev 0.9033
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

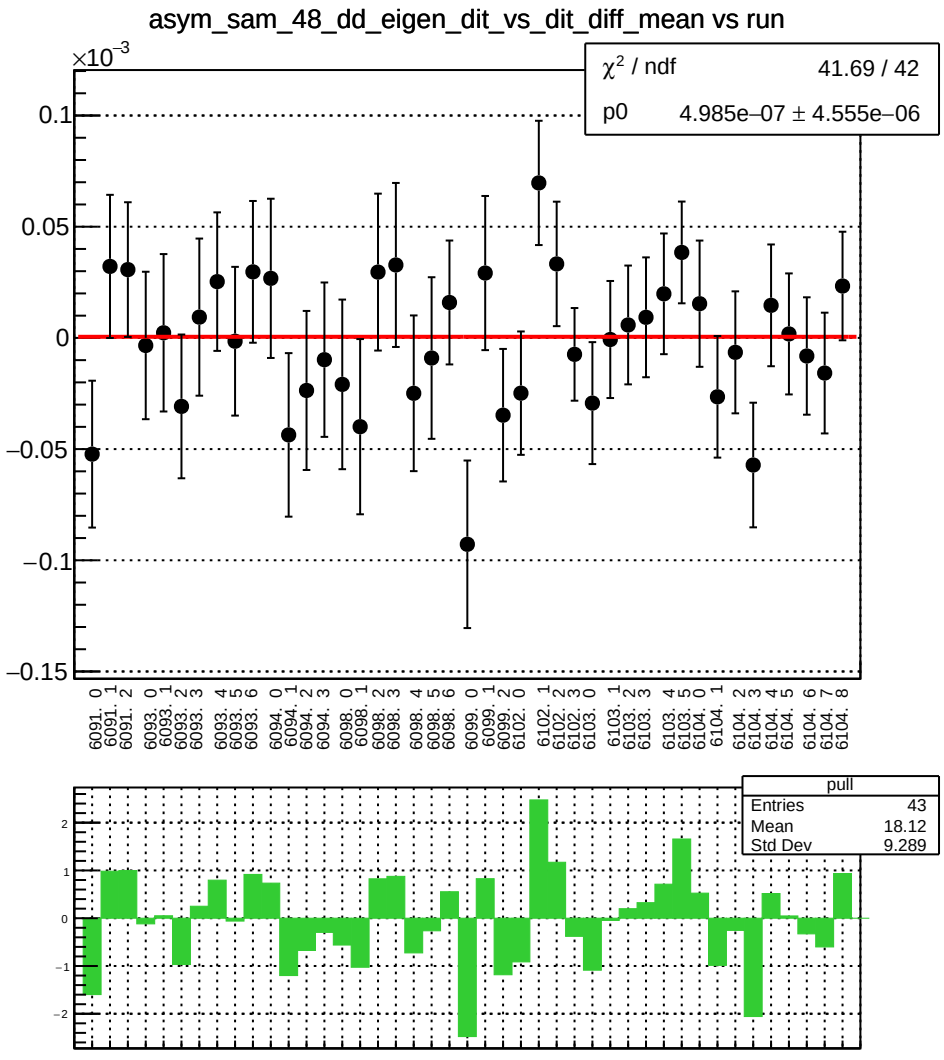

asym_sam_48_dd_reg_vs_cor_diff_rms vs run
χ² / ndf 4.885e+05 / 42
p0 5.258e−11 ± 9.029e−14
0.08
0.07
0.06
0.05
0.04
0.03
0.02
0.01
0
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

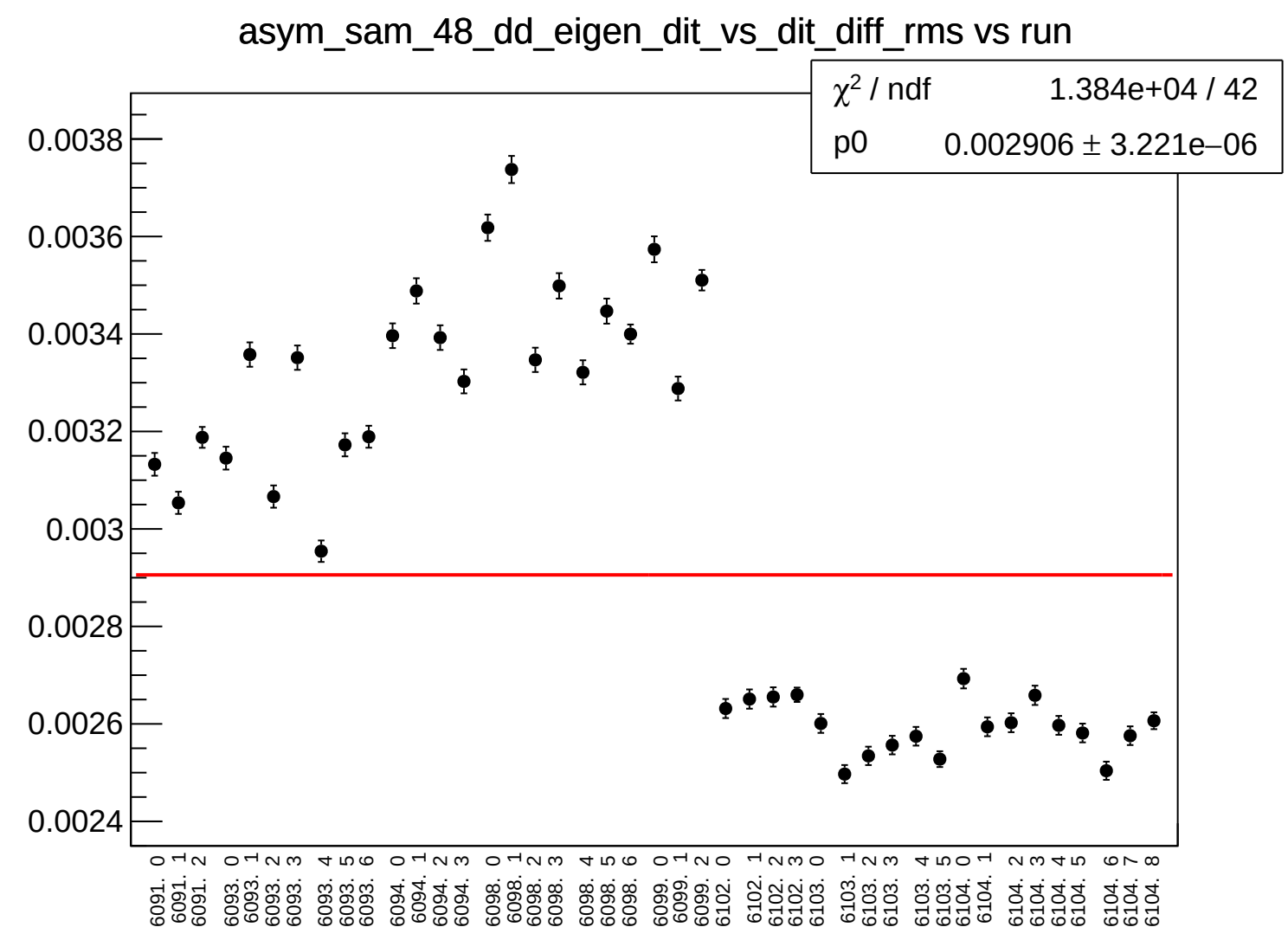

asym_sam_48_dd_dit_vs_cor_diff_mean vs run
χ² / ndf 49.29 / 42
p0 0.01423 ± 0.04662
pull
Entries 43
Mean 98.57
Std Dev 0
pull1D
Entries 43
Mean 0.03244
Std Dev 1.07

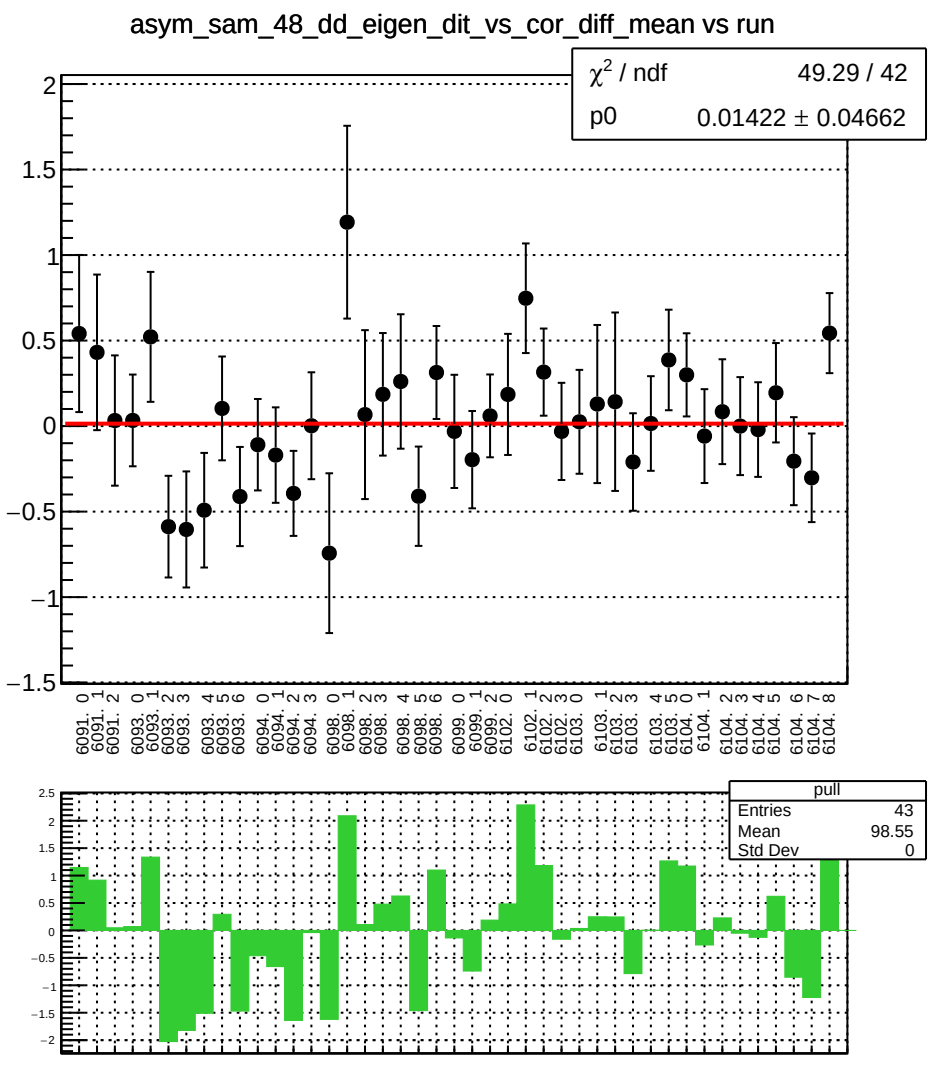

asym_sam_48_dd_dit_vs_cor_diff_rms vs run
χ² / ndf 3.057e+04 / 42
p0 29.43 ± 0.03297
55
50
45
40
35
30
25
20
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

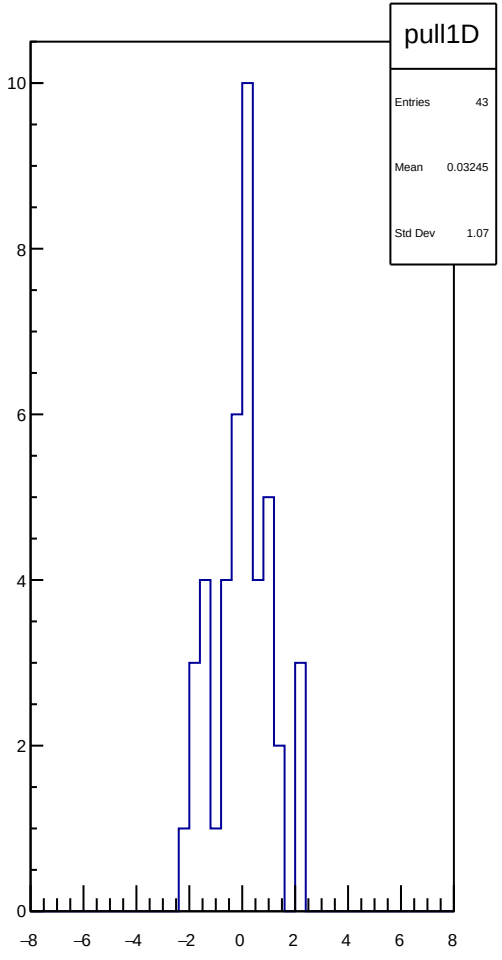

asym_sam_48_dd_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 49.29 / 42
p0 0.01423 ± 0.04662
2
1.5
1
0.5
0
−0.5
−1
−1.5
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 98.57
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 43
Mean 0.03244
Std Dev 1.07
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

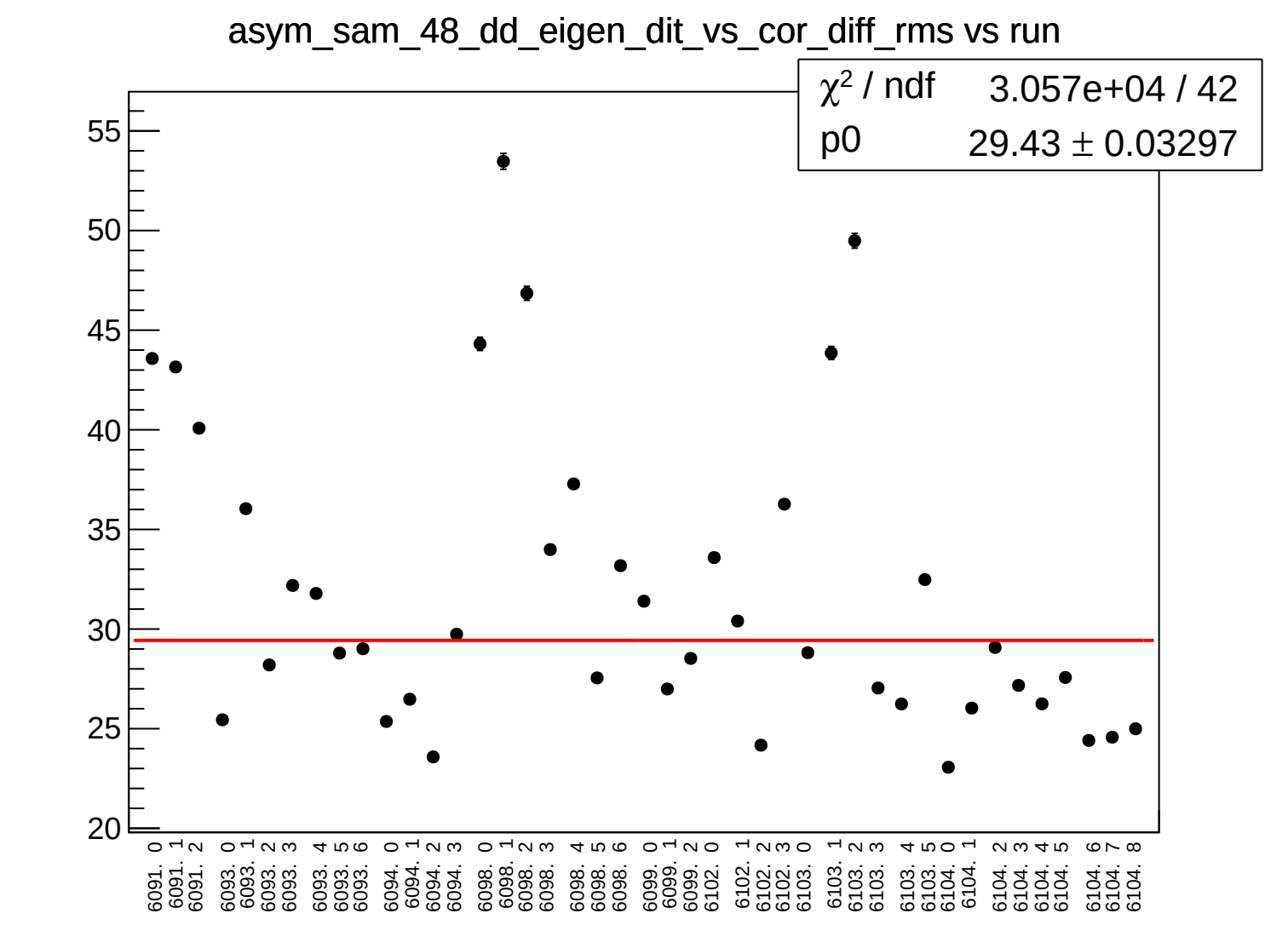

asym_sam_48_dd_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 3.057e+04 / 42
p0 29.43 ± 0.03297
55
50
45
40
35
30
25
20
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

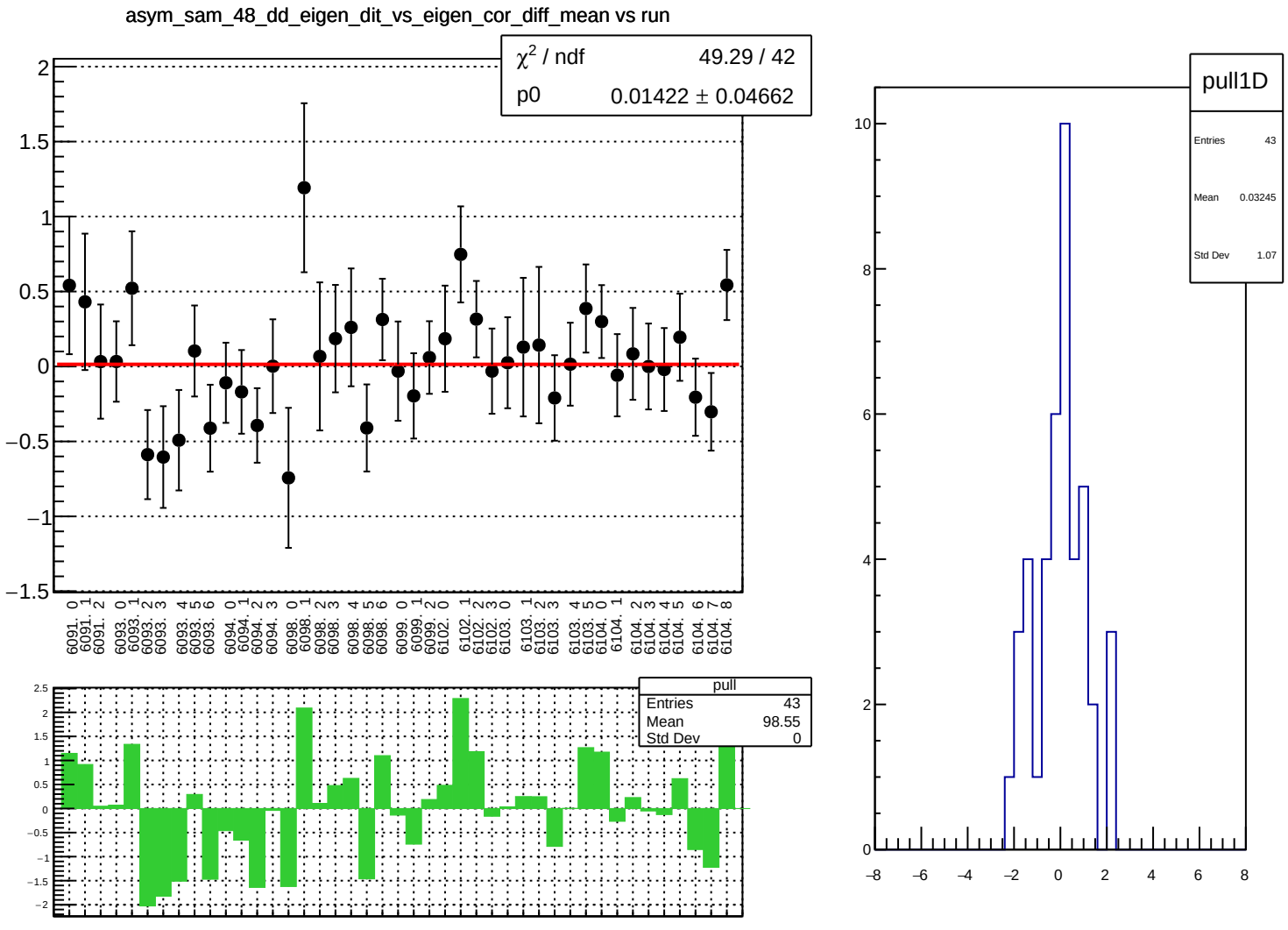

asym_sam_48_dd_eigen_dit_vs_dit_diff_mean vs run
×10^−3
χ² / ndf 41.69 / 42
p0 4.985e−07 ± 4.555e−06
0.1
0.05
0
−0.05
−0.1
−0.15
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 18.12
Std Dev 9.289
2
1
0
−1
−2
pull1D
Entries 43
Mean −0.03322
Std Dev 0.9841
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

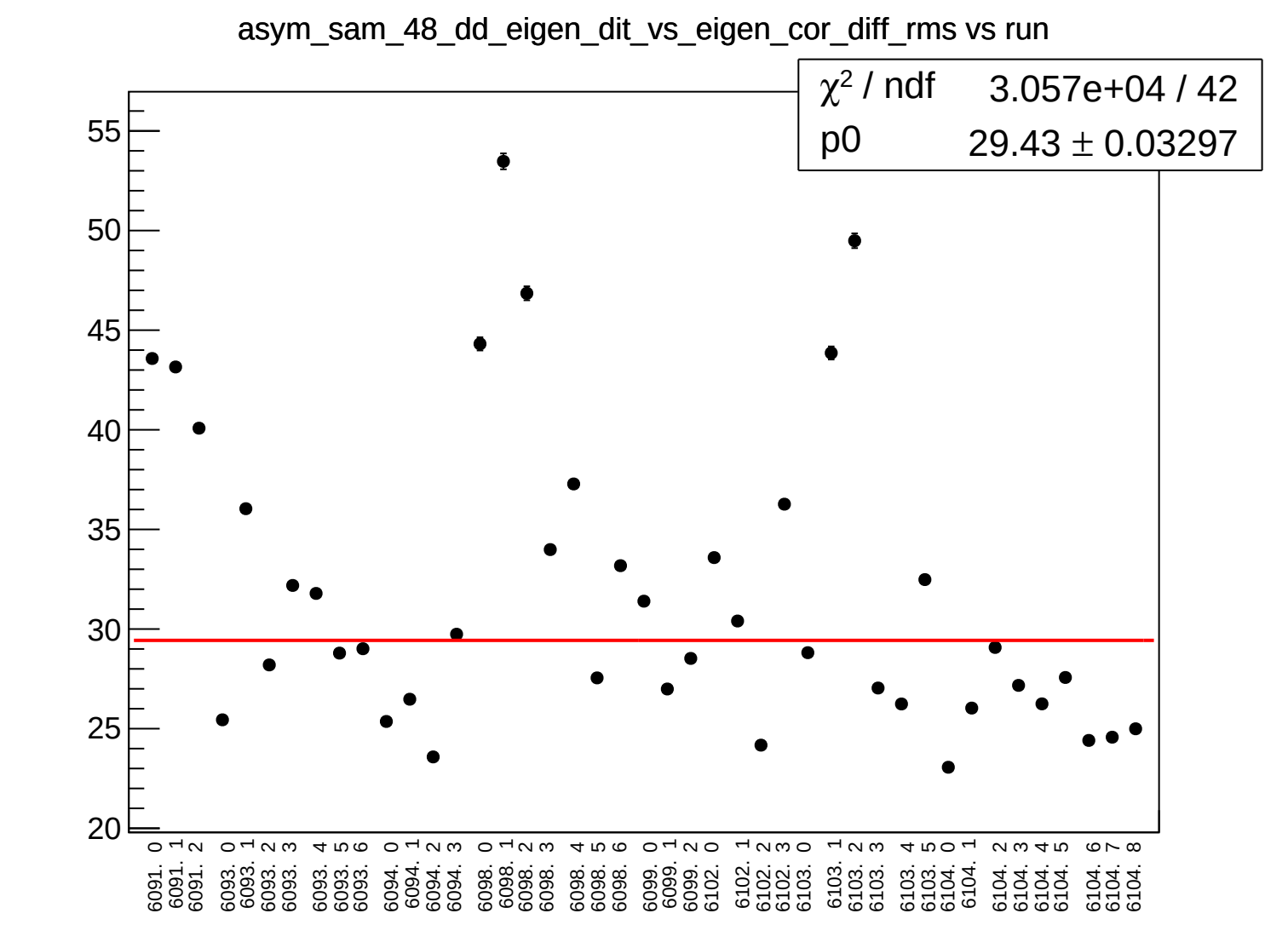

asym_sam_48_dd_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 1.384e+04 / 42
p0 0.002906 ± 3.221e−06
0.0038
0.0036
0.0034
0.0032
0.003
0.0028
0.0026
0.0024
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

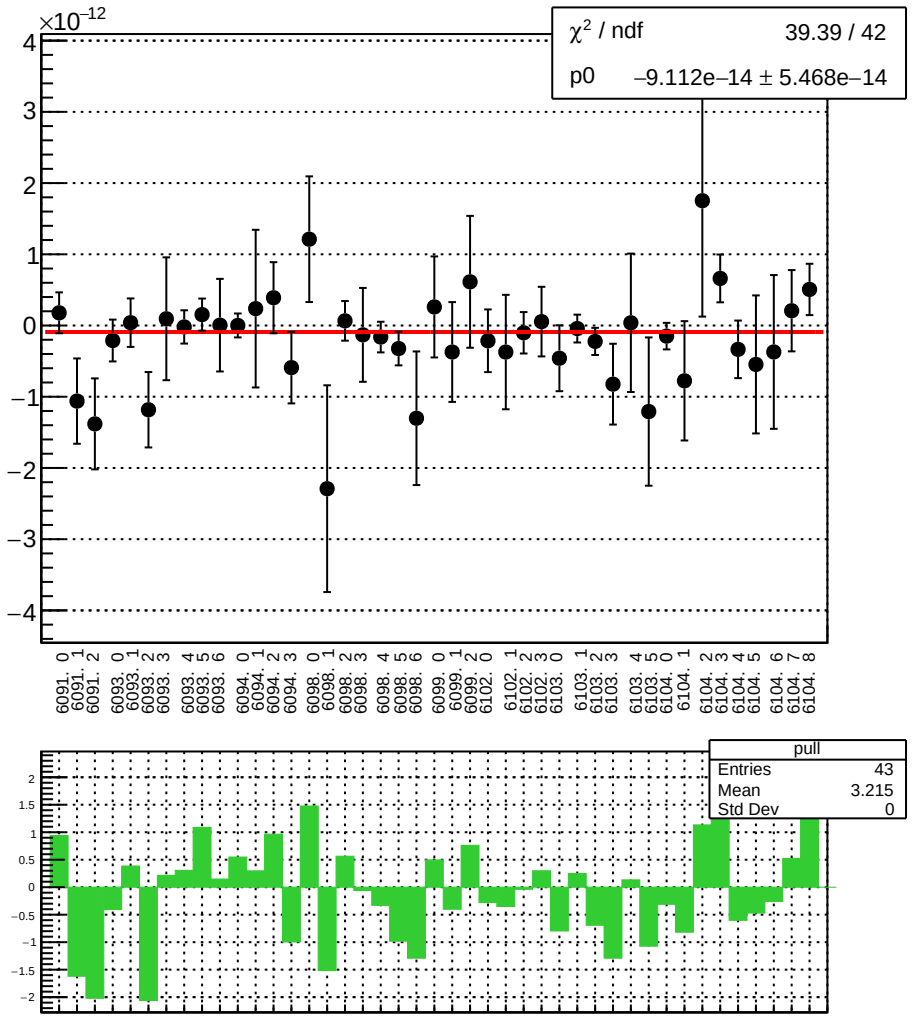

asym_sam_48_dd_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 49.29 / 42
p0 0.01422 ± 0.04662
pull
Entries 43
Mean 98.55
Std Dev 0
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

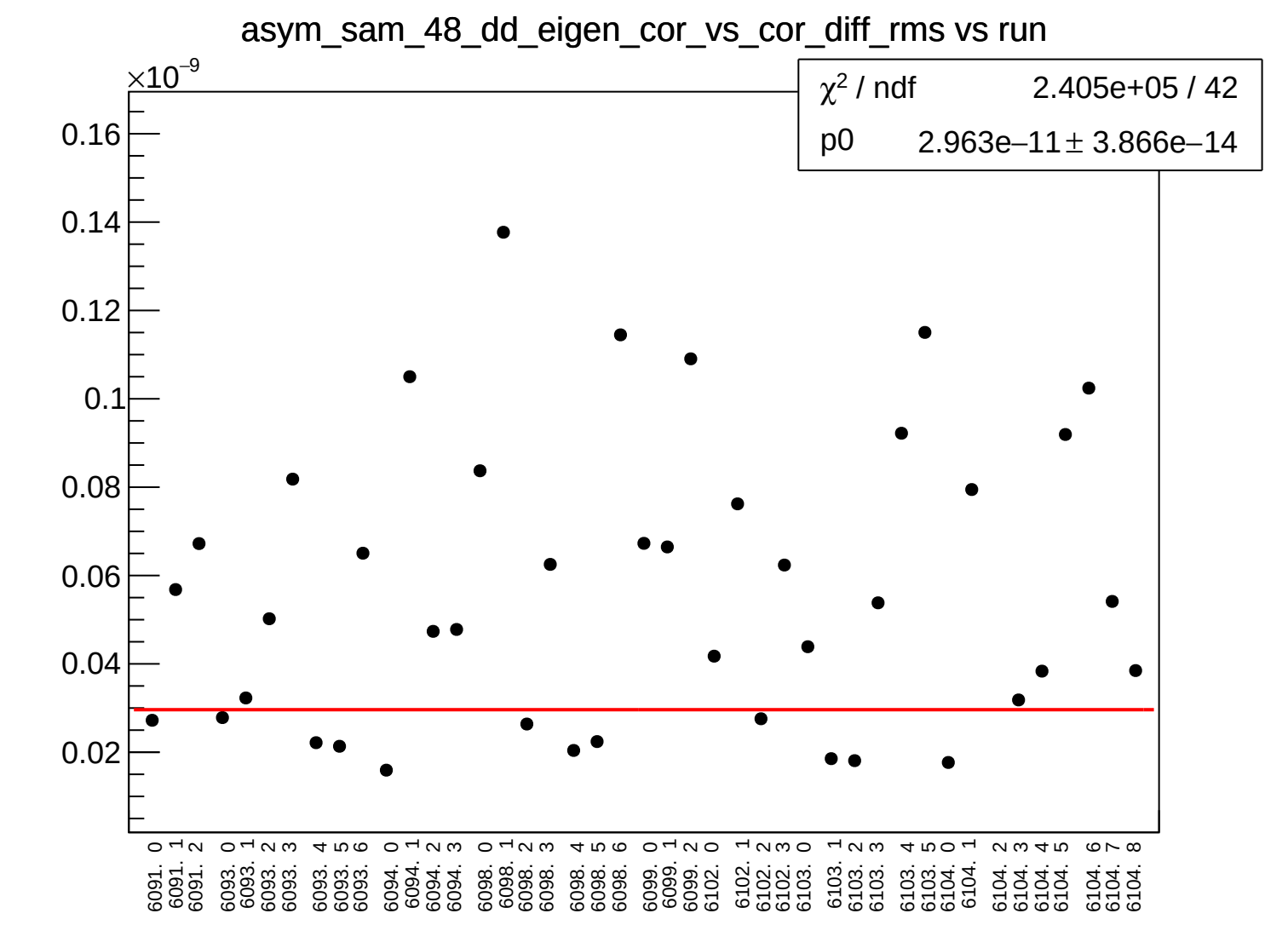

pull1D
Entries 43
Mean 0.03245
Std Dev 1.07

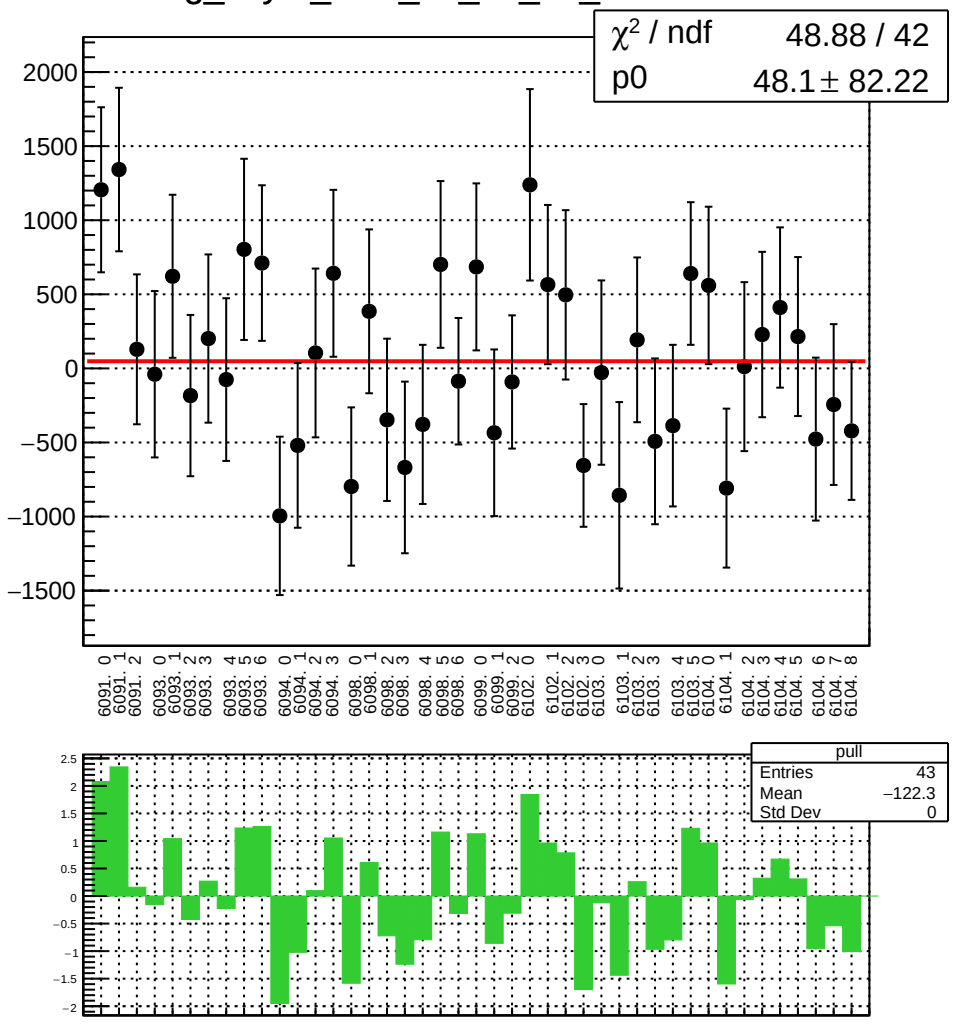

asym_sam_48_dd_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 3.057e+04 / 42
p0 29.43 ± 0.03297
55
50
45
40
35
30
25
20
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

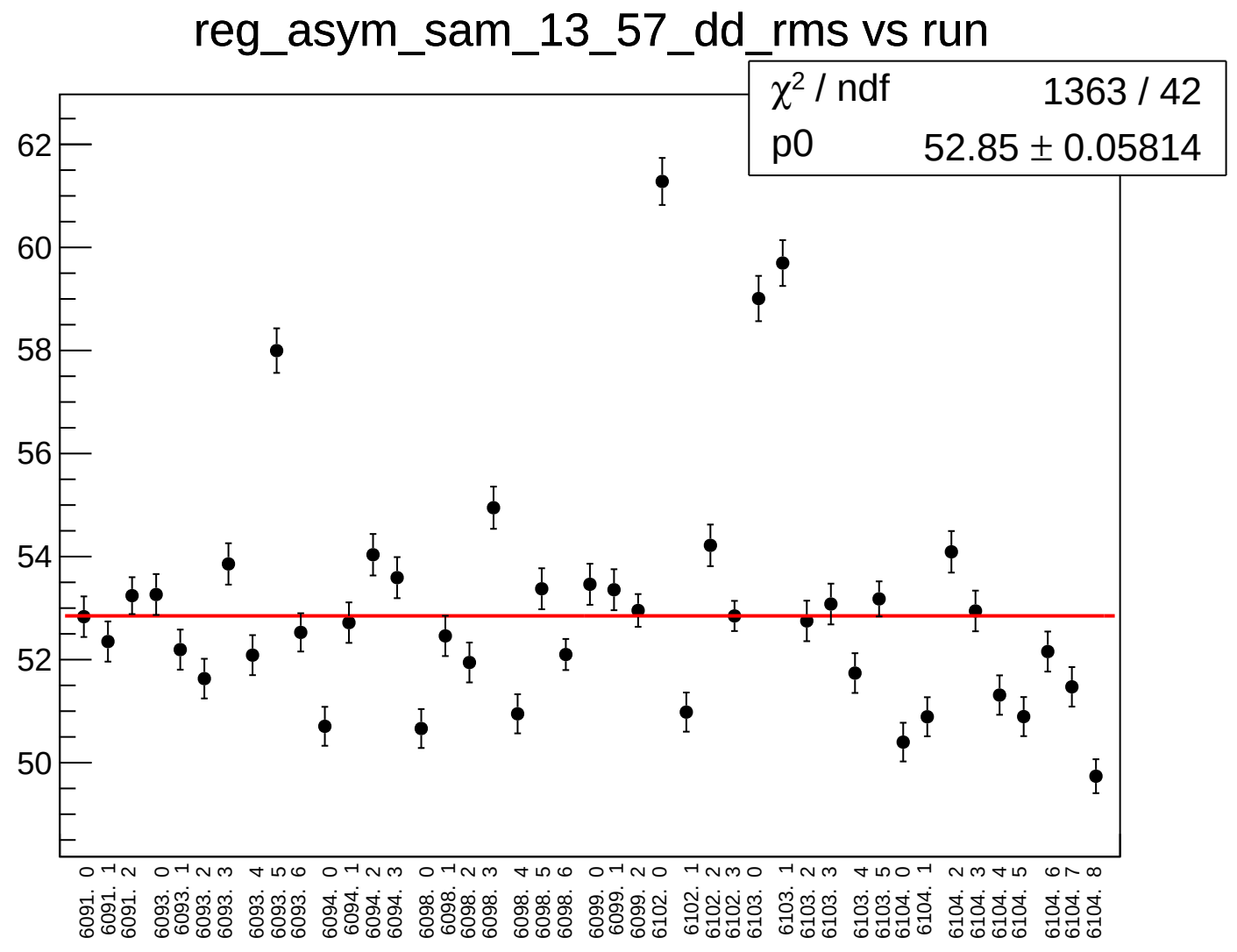

asym_sam_48_dd_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 49.29 / 42
p0 0.01422 ± 0.04662
pull
Entries 43
Mean 98.55
Std Dev 0
pull1D
Entries 43
Mean 0.03245
Std Dev 1.07

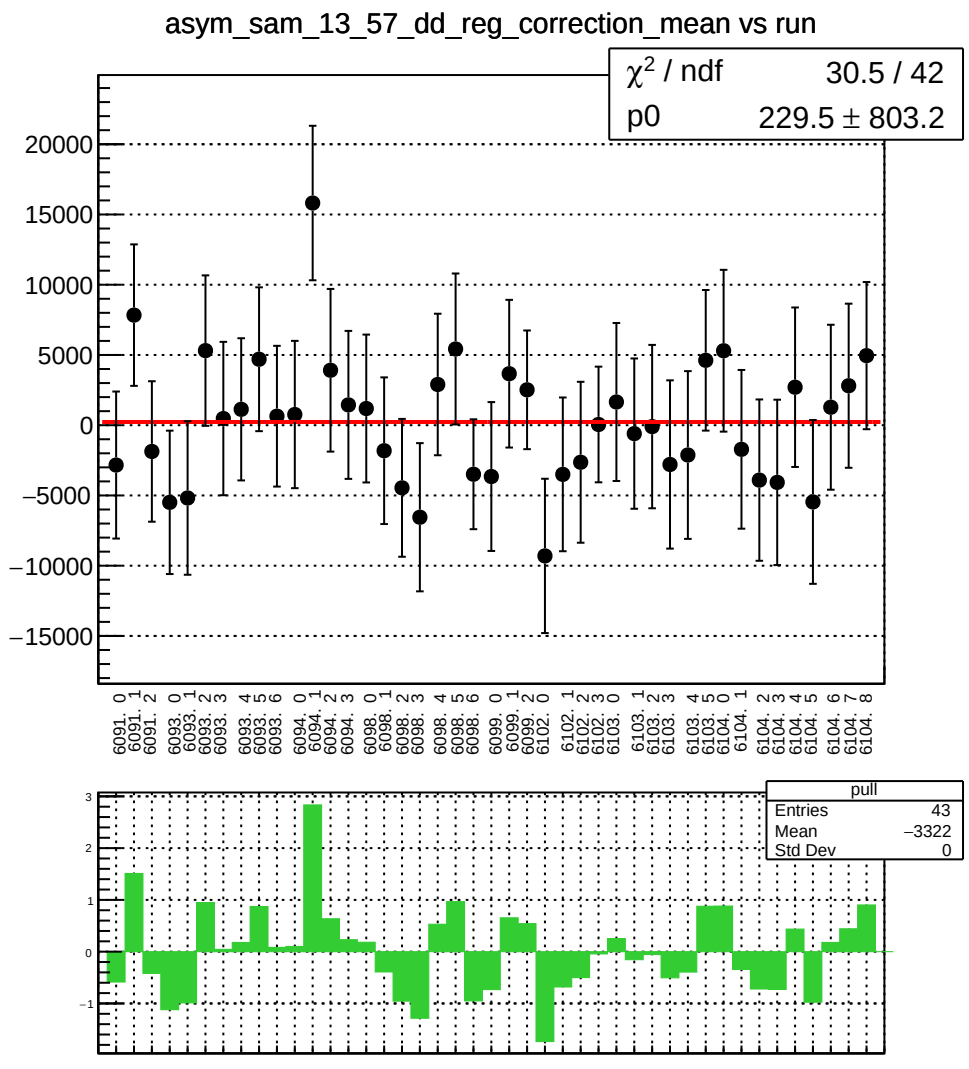

asym_sam_48_dd_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 3.057e+04 / 42
p0 29.43 ± 0.03297
55
50
45
40
35
30
25
20
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

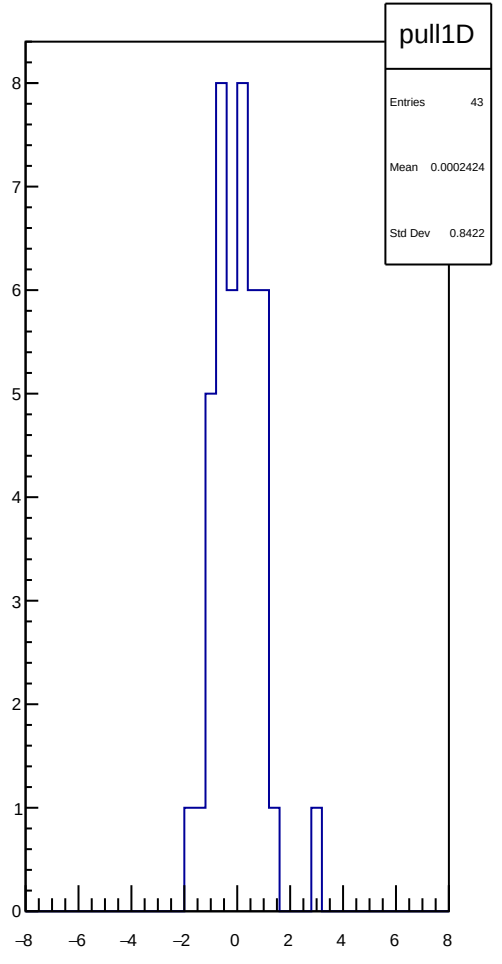

asym_sam_48_dd_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 39.39 / 42
p0 −9.112e−14 ± 5.468e−14
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 3.215
Std Dev 0
pull1D
Entries 43
Mean −0.09857
Std Dev 0.952

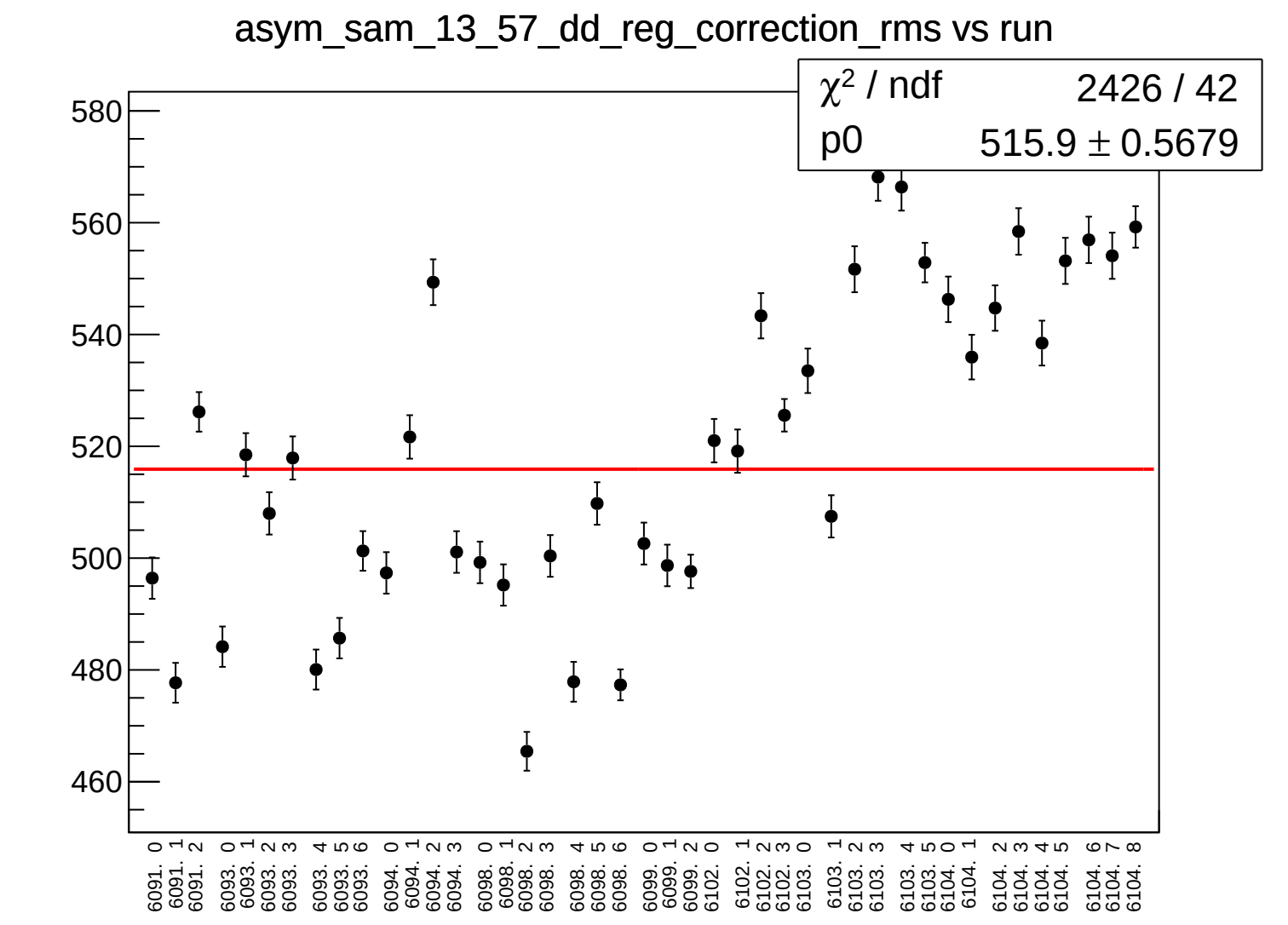

asym_sam_48_dd_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 2.405e+05 / 42
p0 2.963e−11 ± 3.866e−14
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

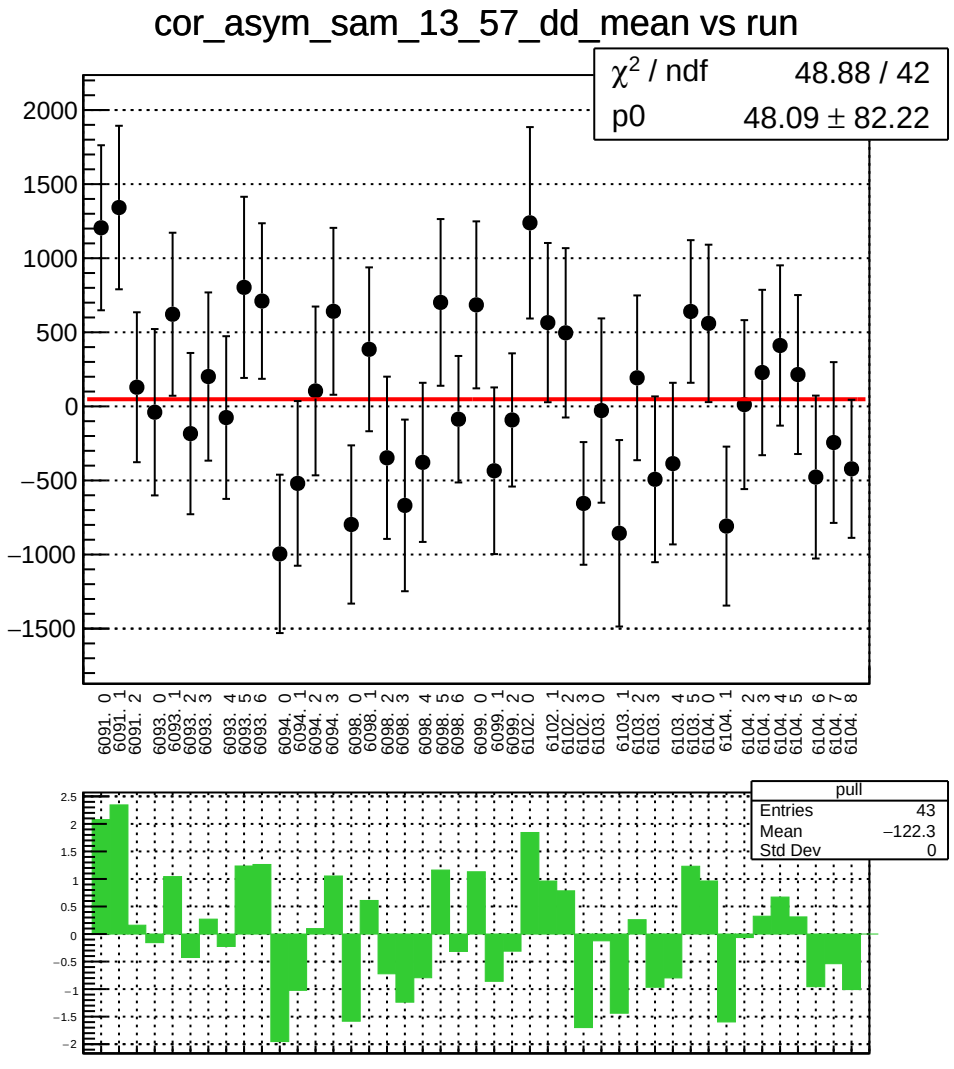

reg_asym_sam_13_57_dd_mean vs run
χ² / ndf 48.88 / 42
p0 48.1 ± 82.22
2000
1500
1000
500
0
−500
−1000
−1500
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean −122.3
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 43
Mean 0.02359
Std Dev 1.066
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


reg_asym_sam_13_57_dd_rms vs run
χ² / ndf 1363 / 42
p0 52.85 ± 0.05814
62
60
58
56
54
52
50
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

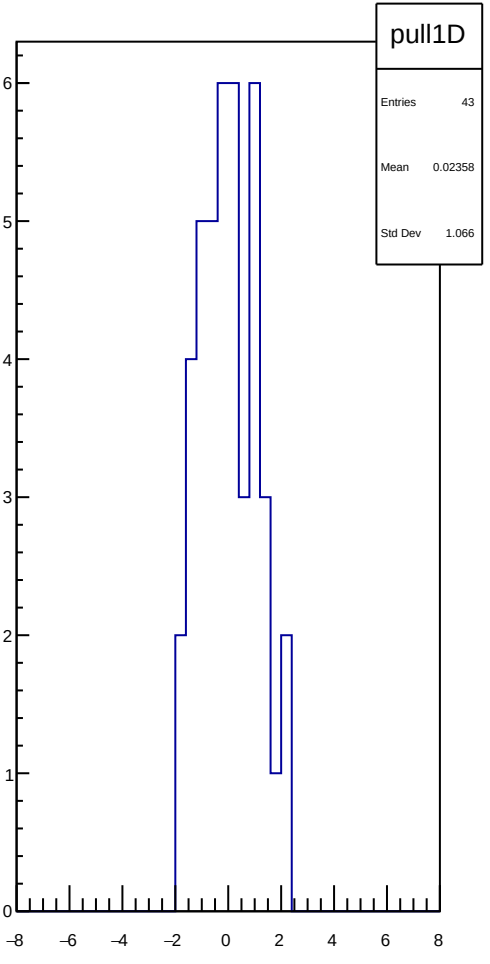

asym_sam_13_57_dd_reg_correction_mean vs run
χ² / ndf 30.5 / 42
p0 229.5 ± 803.2
20000
15000
10000
5000
0
−5000
−10000
−15000
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean −3322
Std Dev 0
3
2
1
0
−1

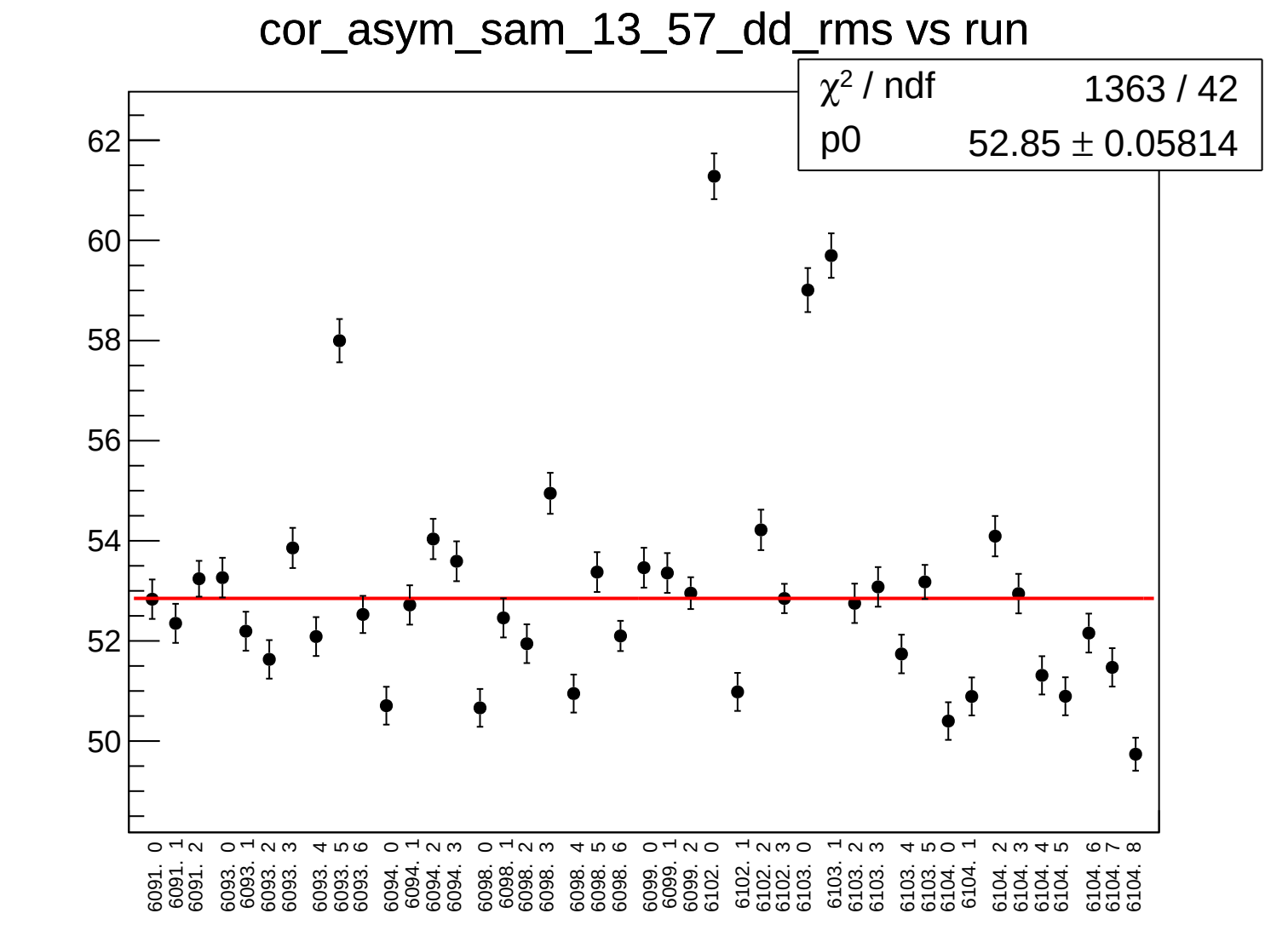

pull1D
Entries 43
Mean 0.0002424
Std Dev 0.8422
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


asym_sam_13_57_dd_reg_correction_rms vs run
χ² / ndf 2426 / 42
p0 515.9 ± 0.5679
580
560
540
520
500
480
460
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8


cor_asym_sam_13_57_dd_mean vs run
χ² / ndf 48.88 / 42
p0 48.09 ± 82.22
2000
1500
1000
500
0
−500
−1000
−1500
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

pull
Entries 43
Mean −122.3
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2


pull1D
Entries 43
Mean 0.02358
Std Dev 1.066
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


cor_asym_sam_13_57_dd_rms vs run
χ² / ndf 1363 / 42
p0 52.85 ± 0.05814
62
60
58
56
54
52
50
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
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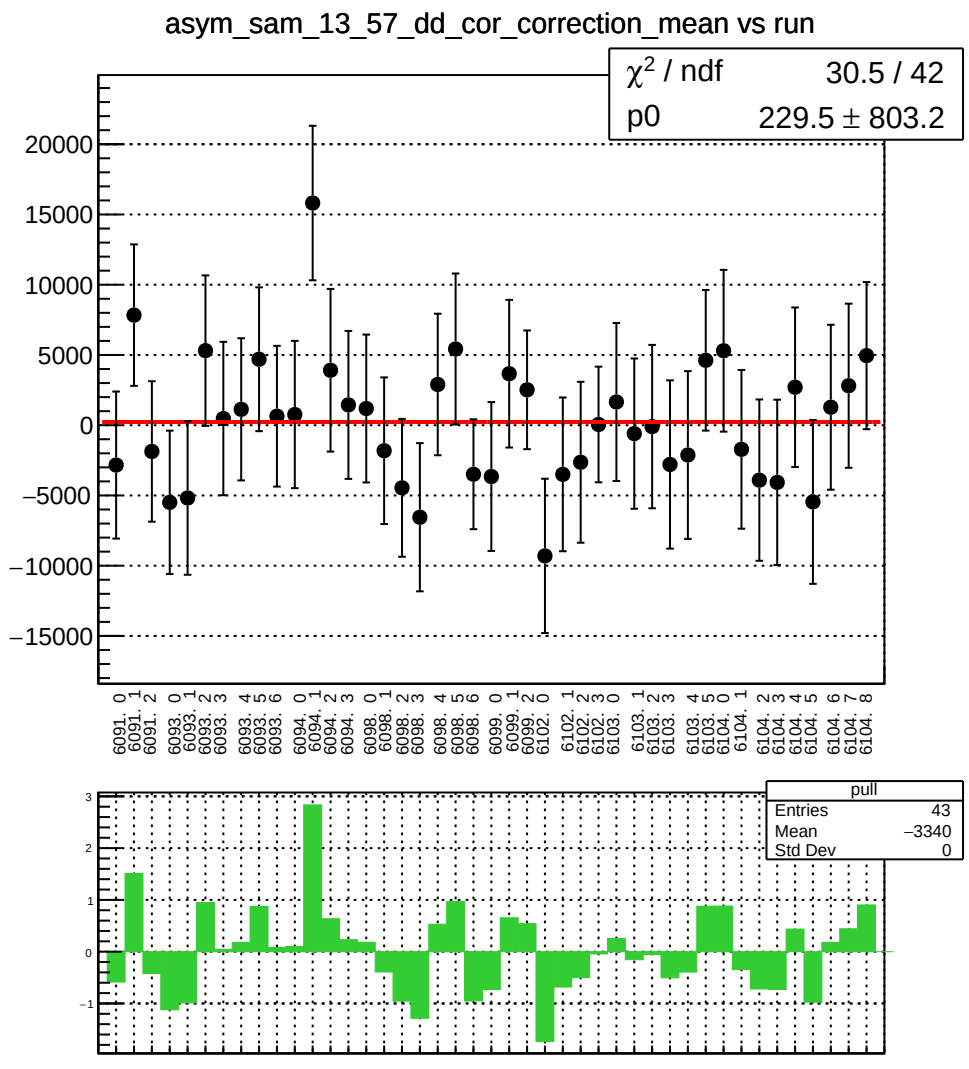
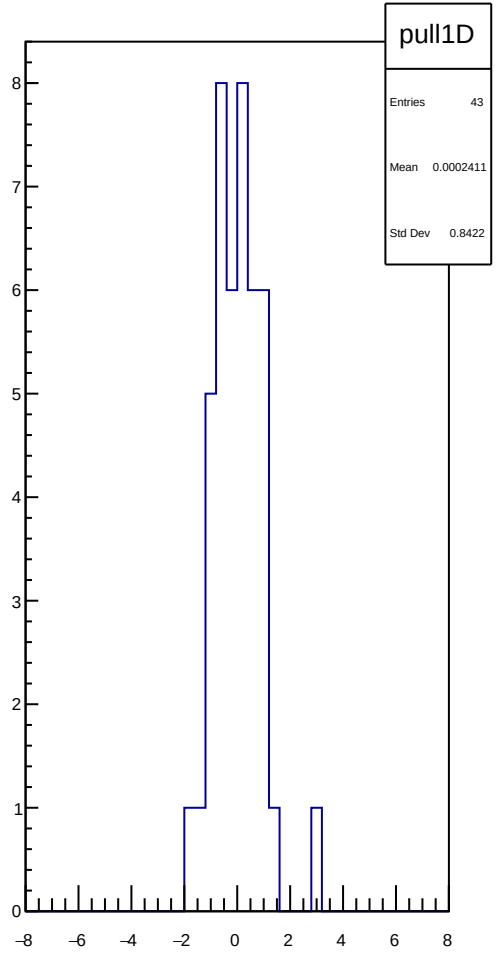
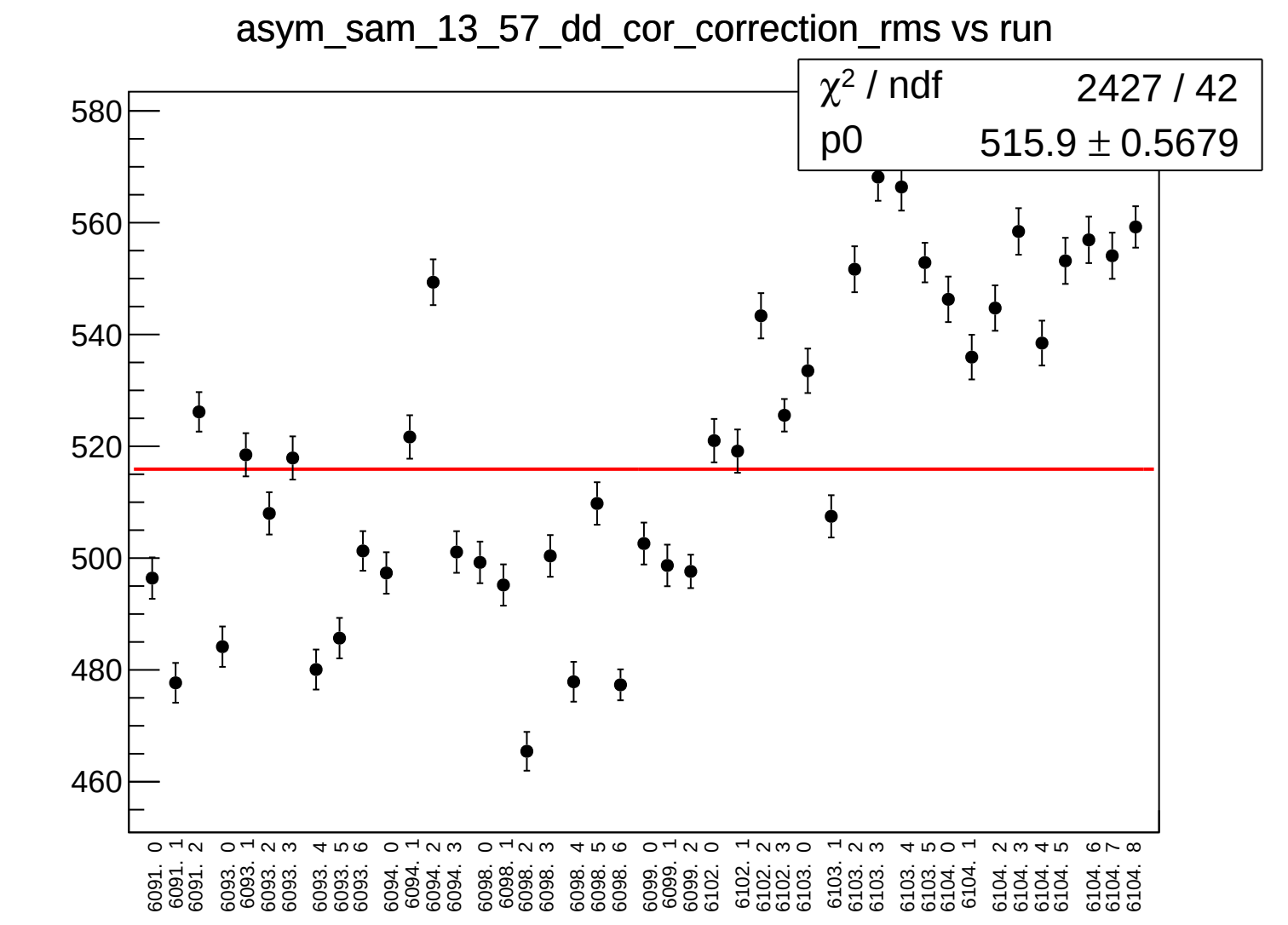
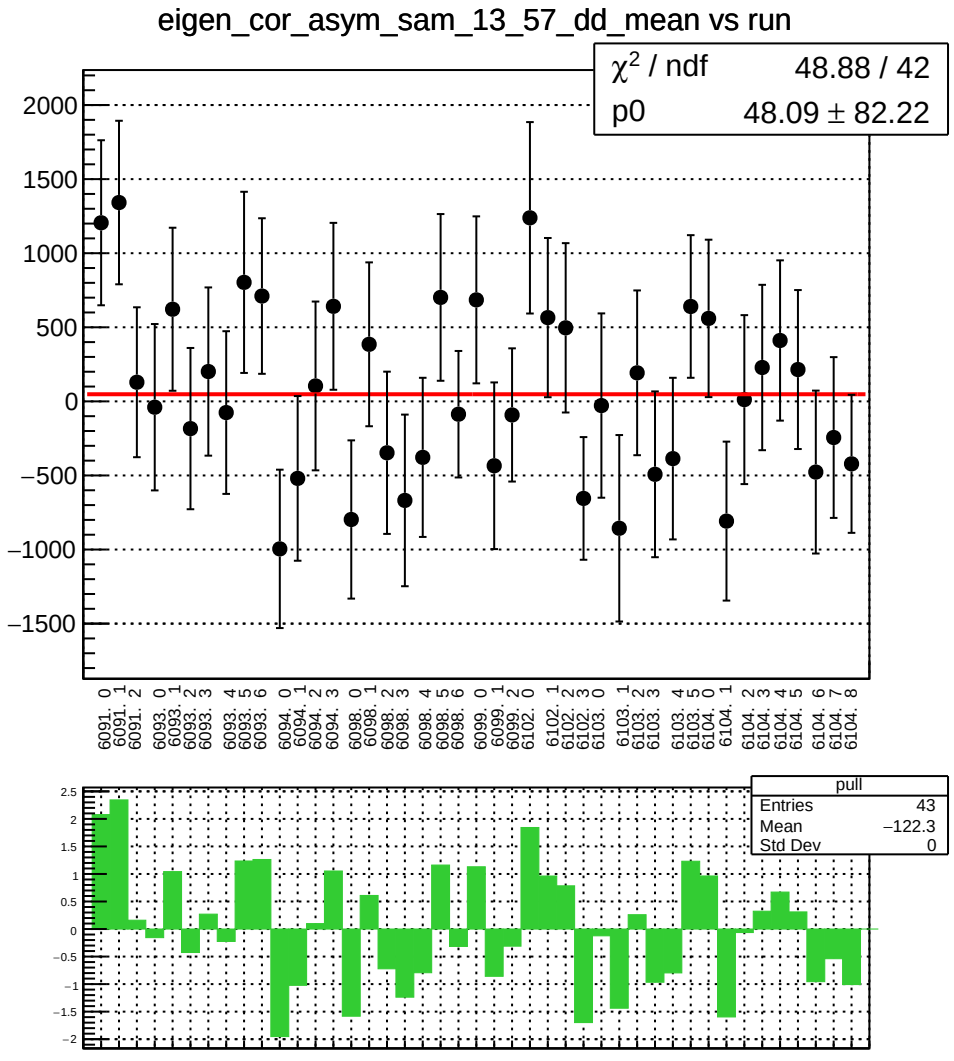
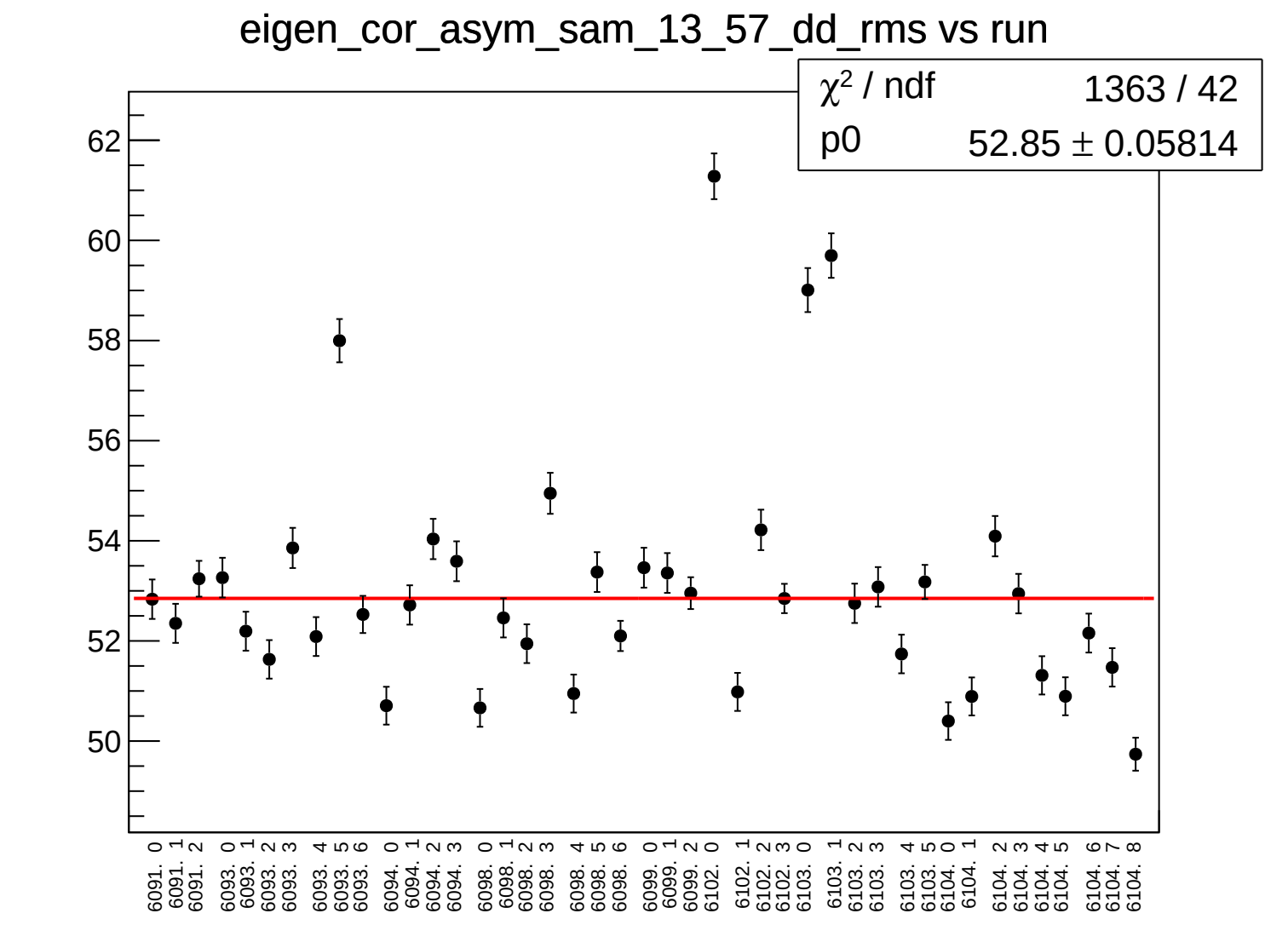
6104. 6
6104. 7
6104. 8

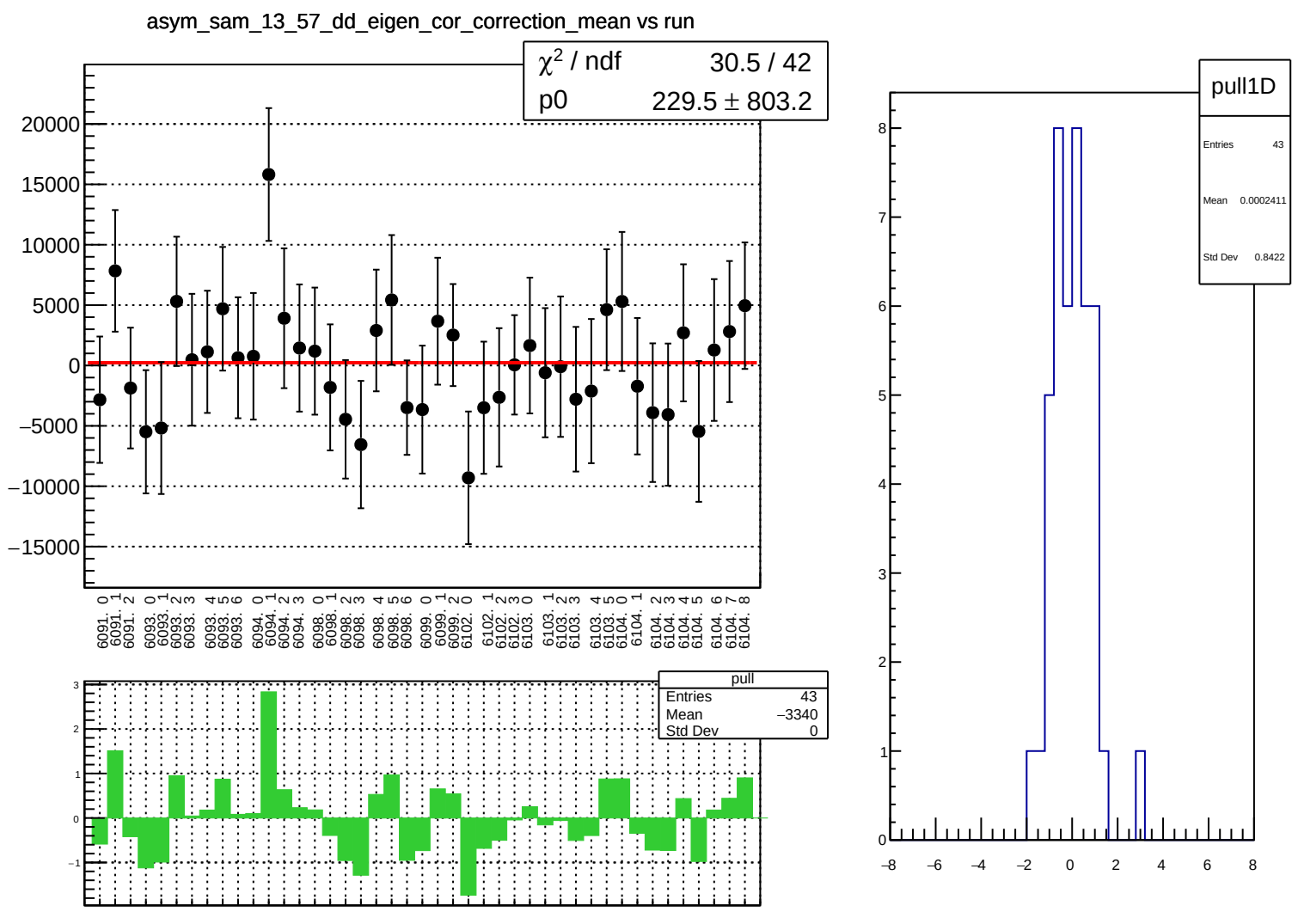

asym_sam_13_57_dd_cor_correction_mean vs run
χ² / ndf 30.5 / 42
p0 229.5 ± 803.2
20000
15000
10000
5000
0
−5000
−10000
−15000
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean −3340
Std Dev 0
3
2
1
0
−1

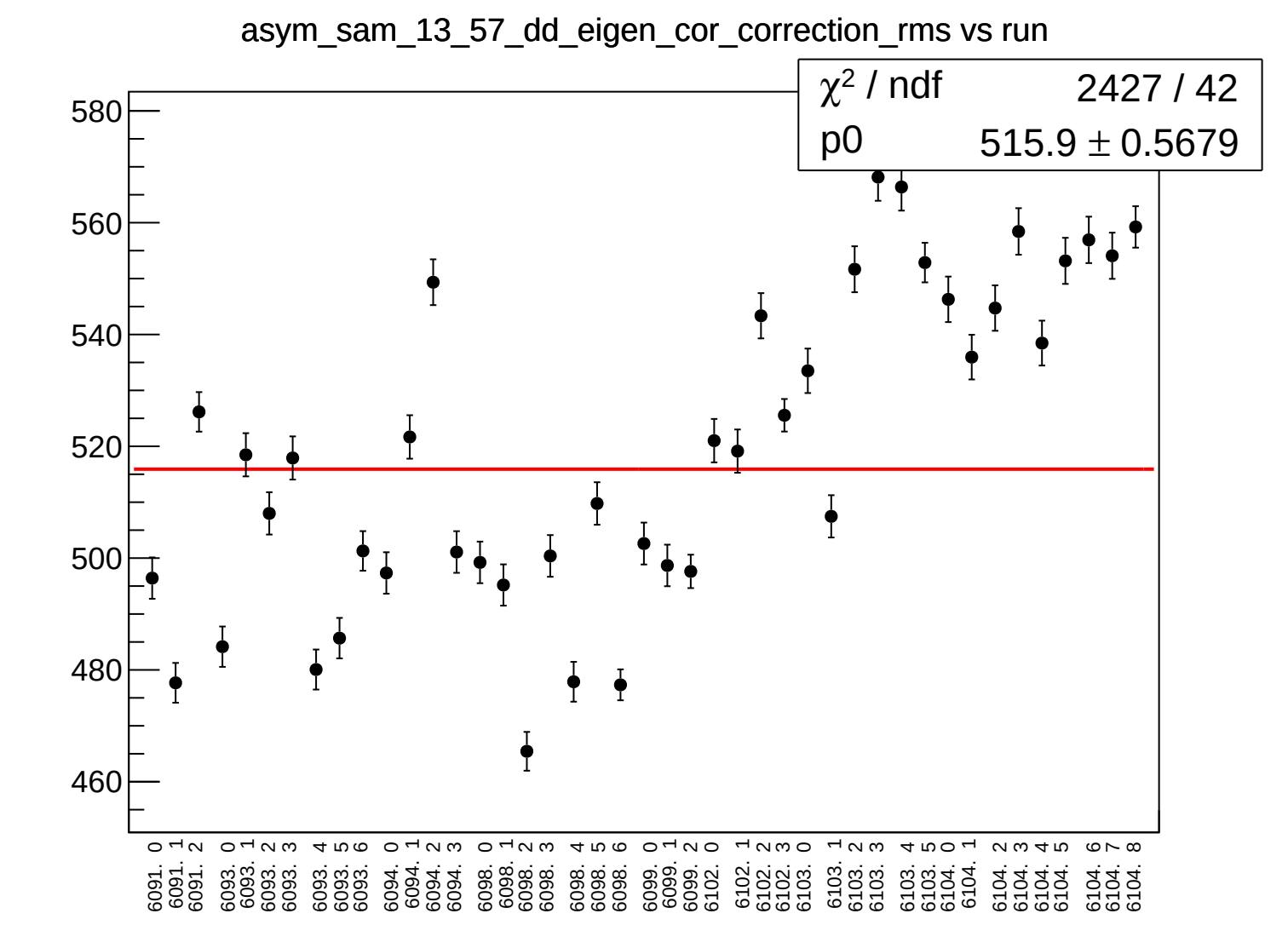

pull1D
Entries 43
Mean 0.0002411
Std Dev 0.8422
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

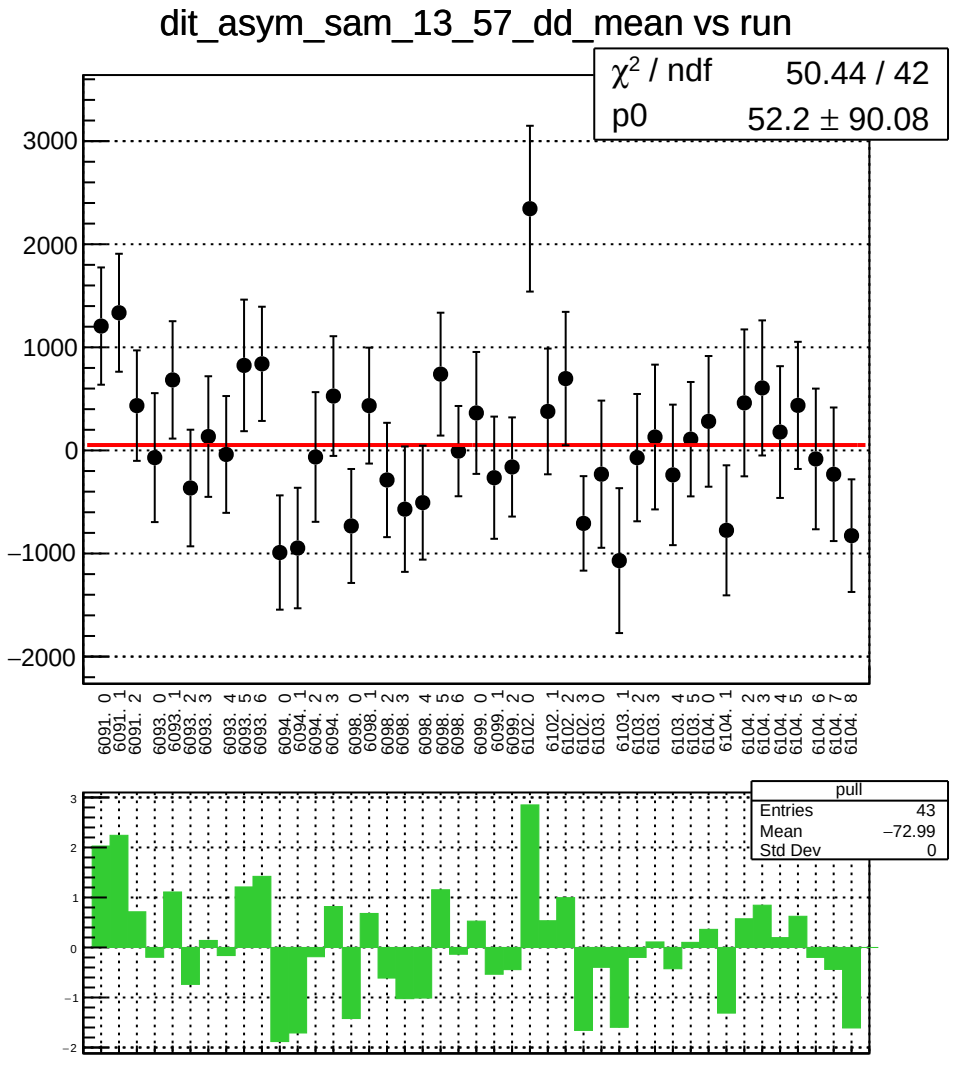

asym_sam_13_57_dd_cor_correction_rms vs run
χ² / ndf 2427 / 42
p0 515.9 ± 0.5679
580
560
540
520
500
480
460
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

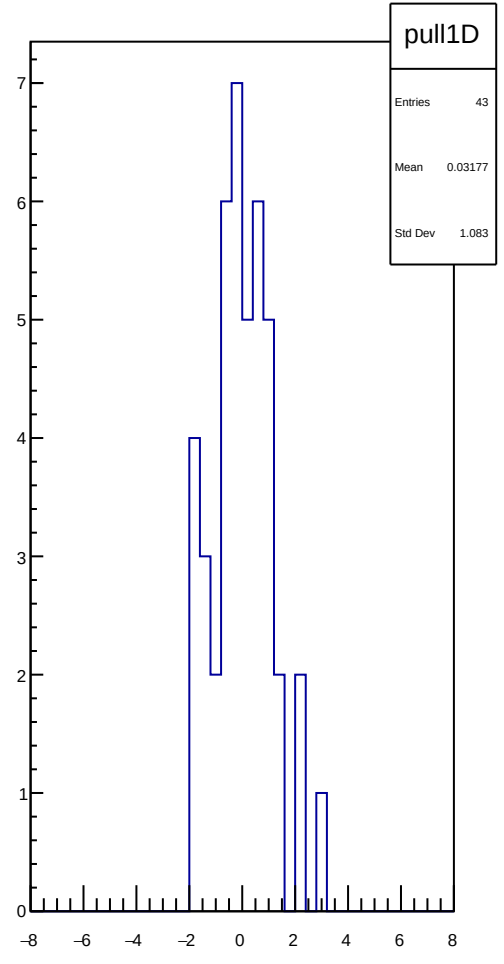

eigen_cor_asym_sam_13_57_dd_mean vs run
χ² / ndf 48.88 / 42
p0 48.09 ± 82.22
2000
1500
1000
500
0
−500
−1000
−1500
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean −122.3
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 43
Mean 0.02358
Std Dev 1.066
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

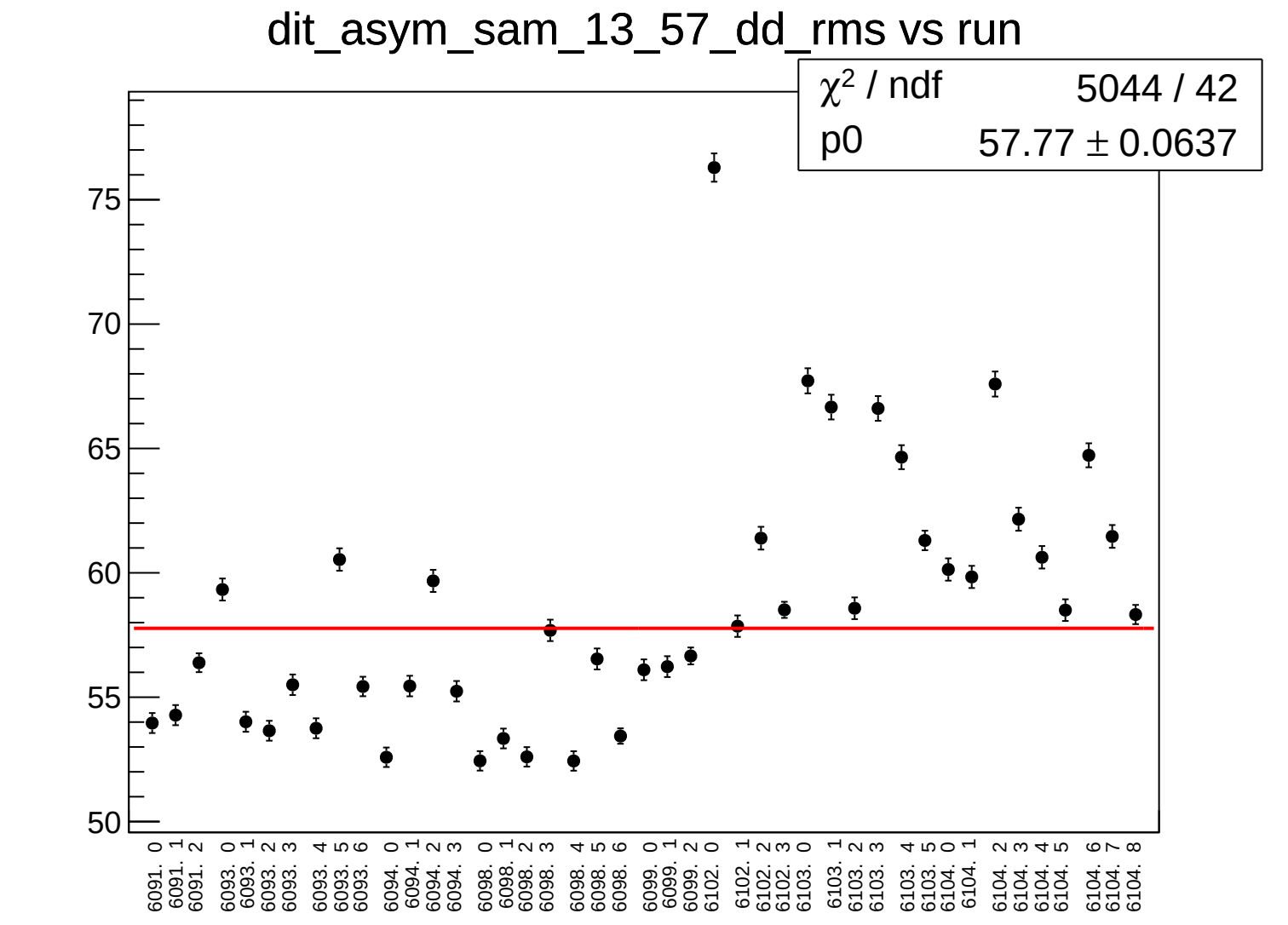

eigen_cor_asym_sam_13_57_dd_rms vs run
χ² / ndf 1363 / 42
p0 52.85 ± 0.05814
62
60
58
56
54
52
50
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

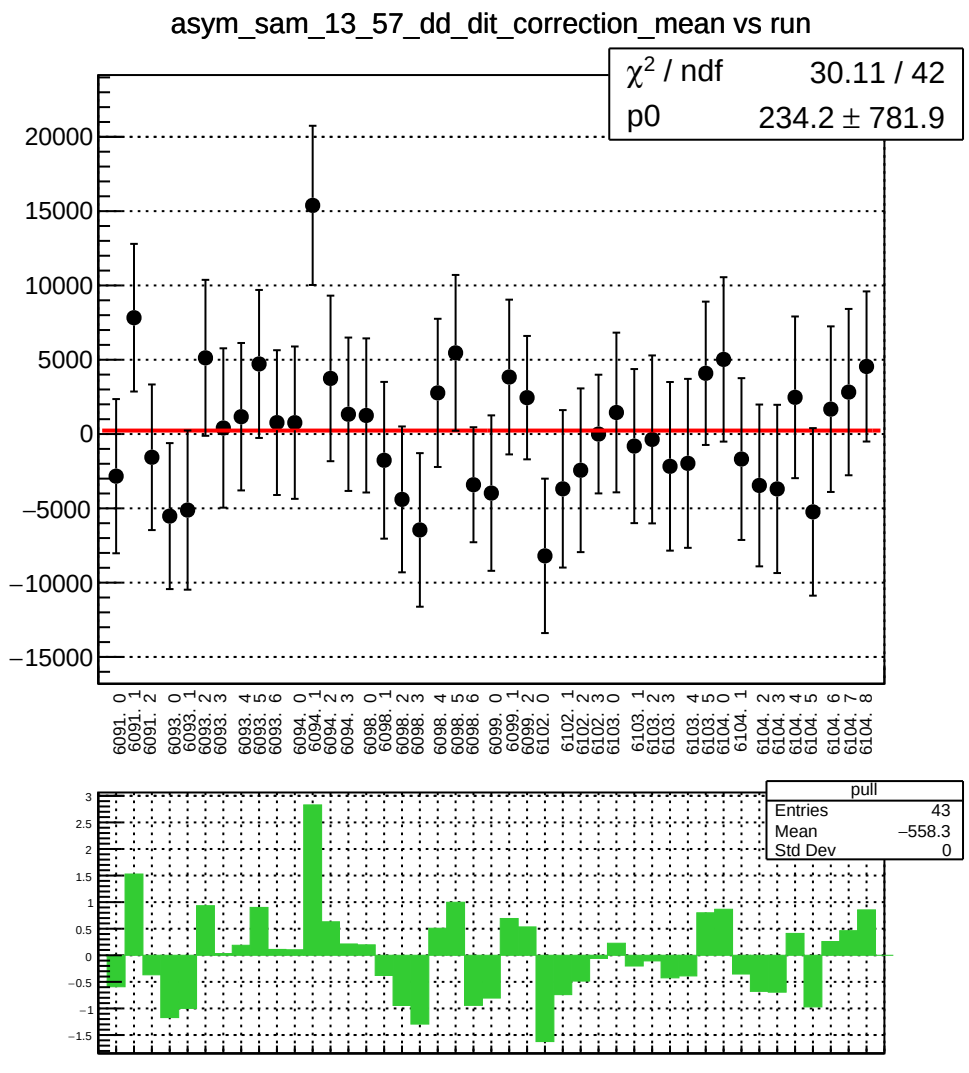

asym_sam_13_57_dd_eigen_cor_correction_mean vs run
χ² / ndf 30.5 / 42
p0 229.5 ± 803.2
20000
15000
10000
5000
0
−5000
−10000
−15000
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean −3340
Std Dev 0
3
2
1
0
−1
pull1D
Entries 43
Mean 0.0002411
Std Dev 0.8422
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

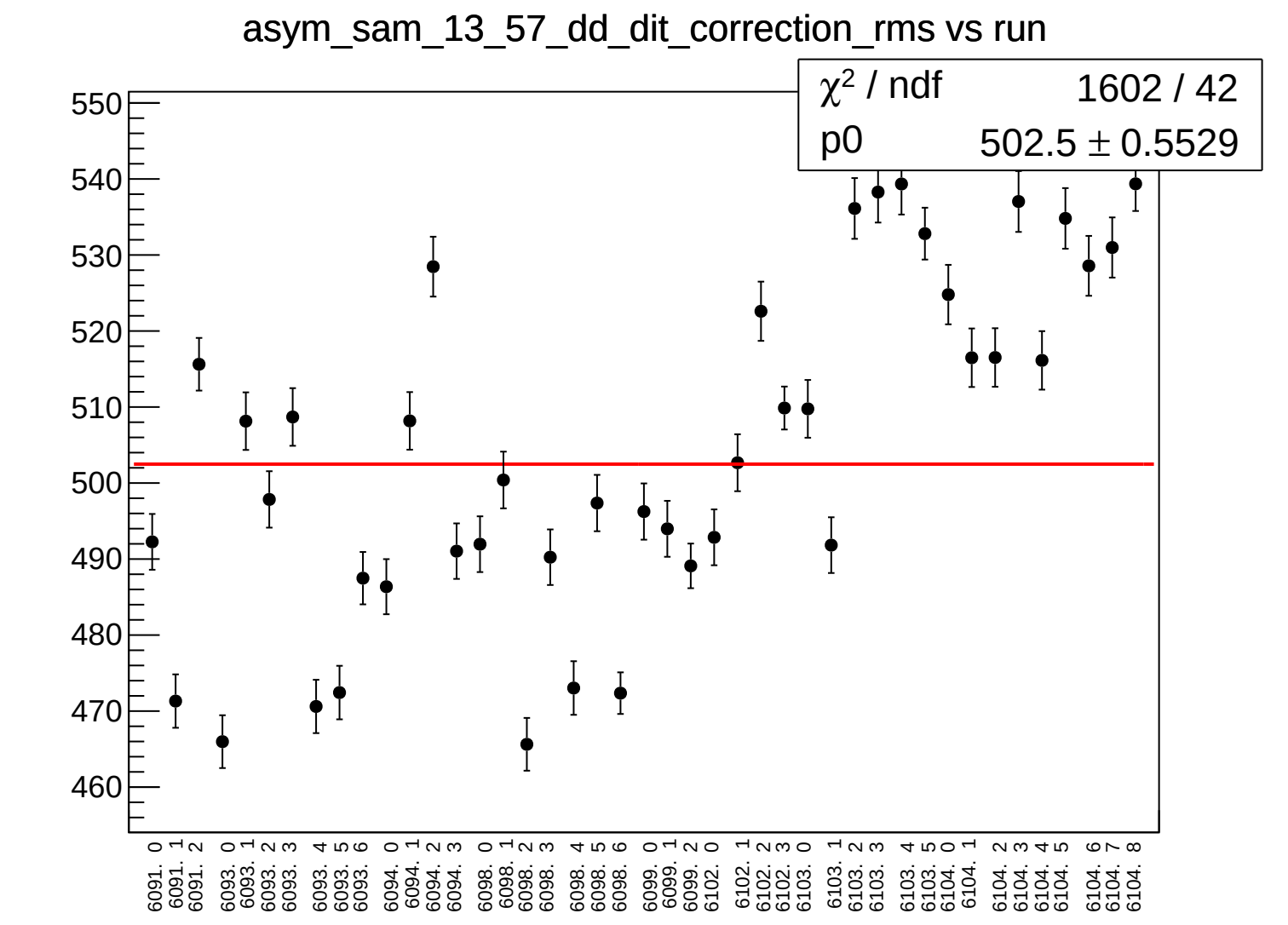

asym_sam_13_57_dd_eigen_cor_correction_rms vs run
χ² / ndf 2427 / 42
p0 515.9 ± 0.5679
580
560
540
520
500
480
460
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

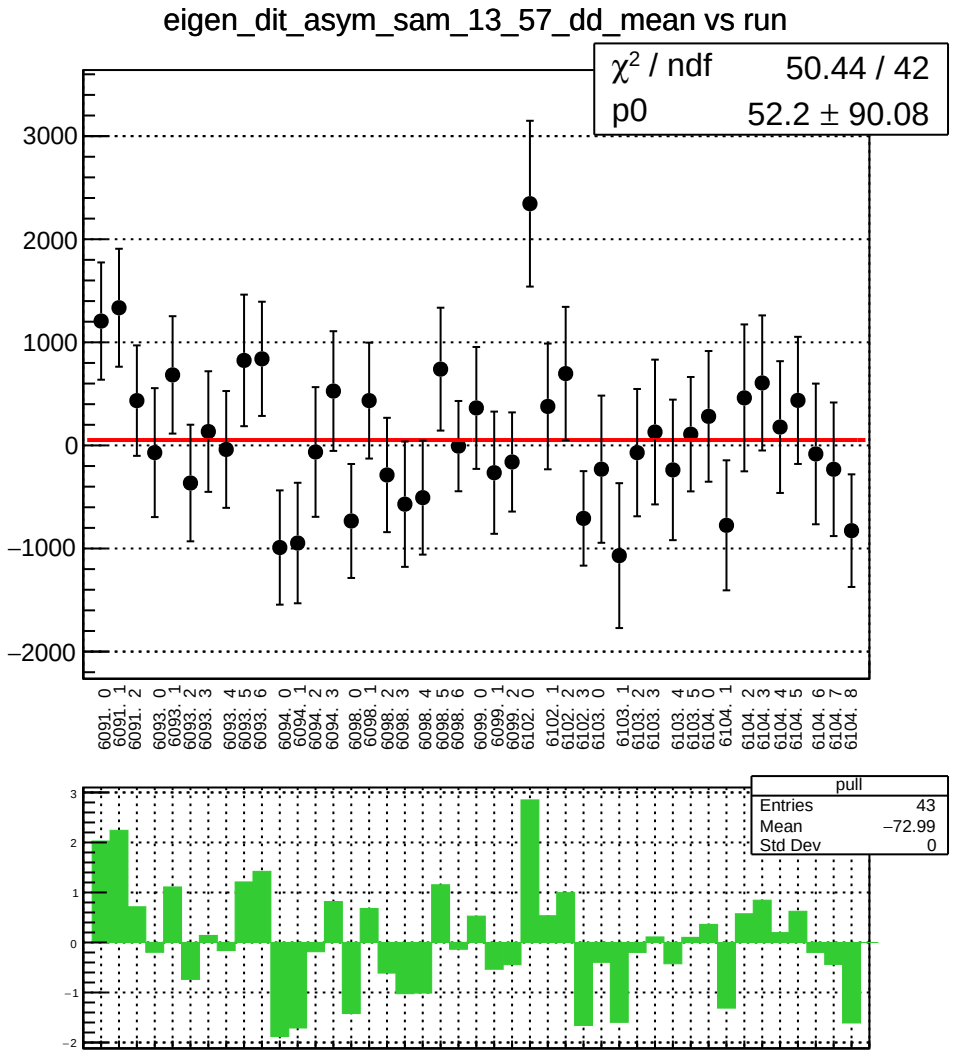

dit_asym_sam_13_57_dd_mean vs run
χ² / ndf 50.44 / 42
p0 52.2 ± 90.08
3000
2000
1000
0
−1000
−2000
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean −72.99
Std Dev 0
3
2
1
0
−1
−2

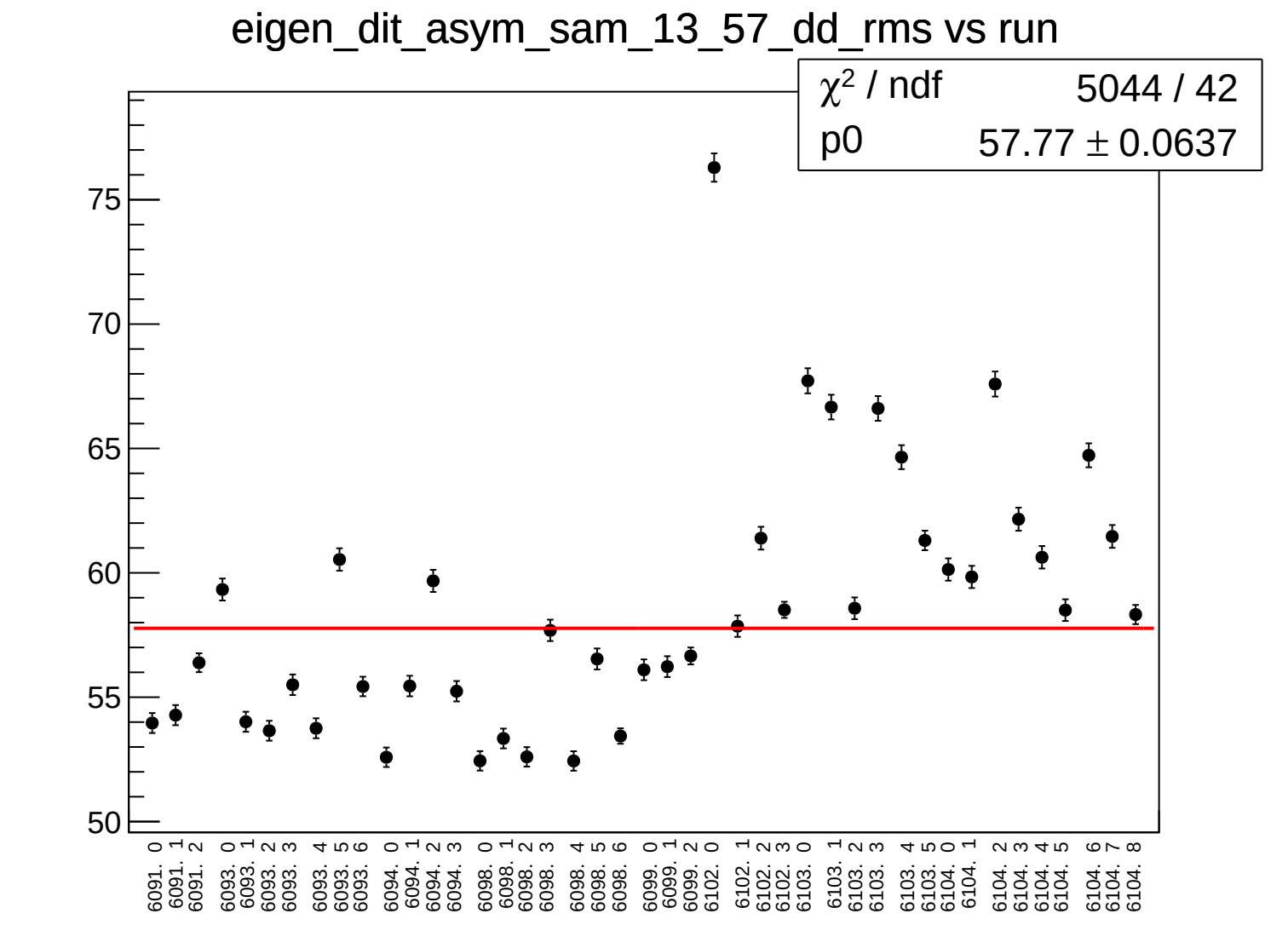

pull1D
Entries 43
Mean 0.03177
Std Dev 1.083
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

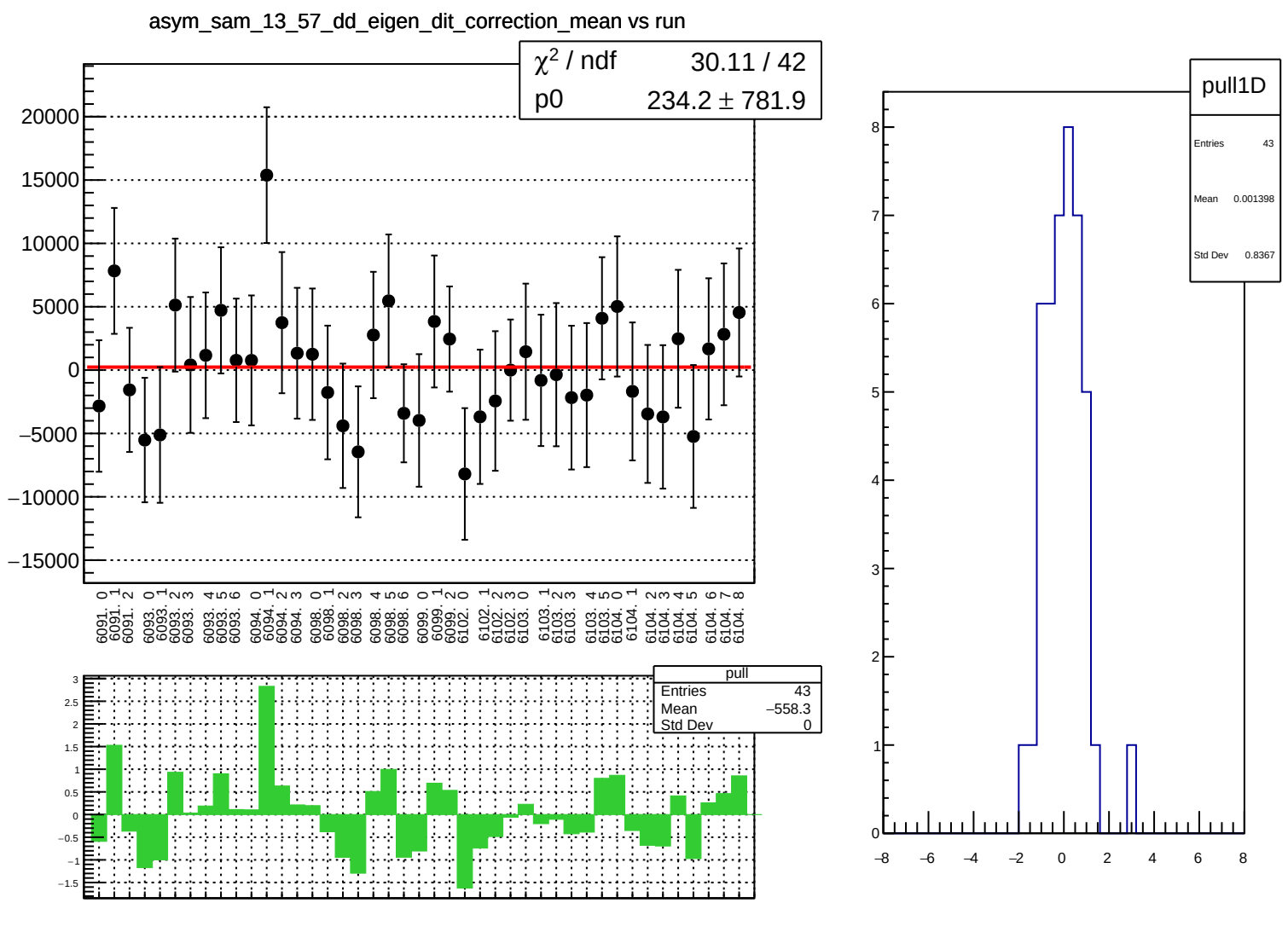

dit_asym_sam_13_57_dd_rms vs run
χ² / ndf 5044 / 42
p0 57.77 ± 0.0637
75
70
65
60
55
50
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

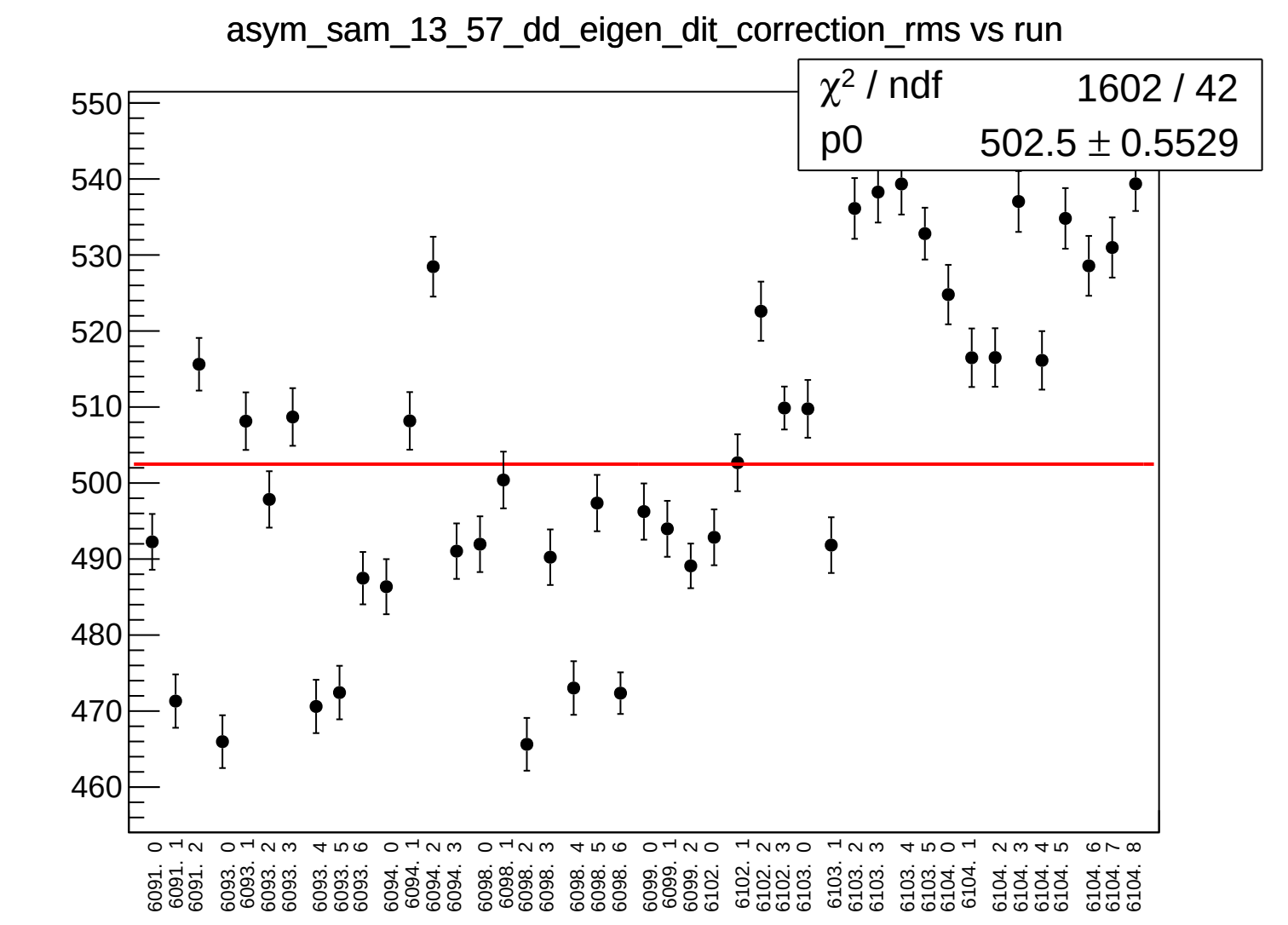

asym_sam_13_57_dd_dit_correction_mean vs run
χ² / ndf 30.11 / 42
p0 234.2 ± 781.9
20000
15000
10000
5000
0
−5000
−10000
−15000
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean −558.3
Std Dev 0
3
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 43
Mean 0.001398
Std Dev 0.8367
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

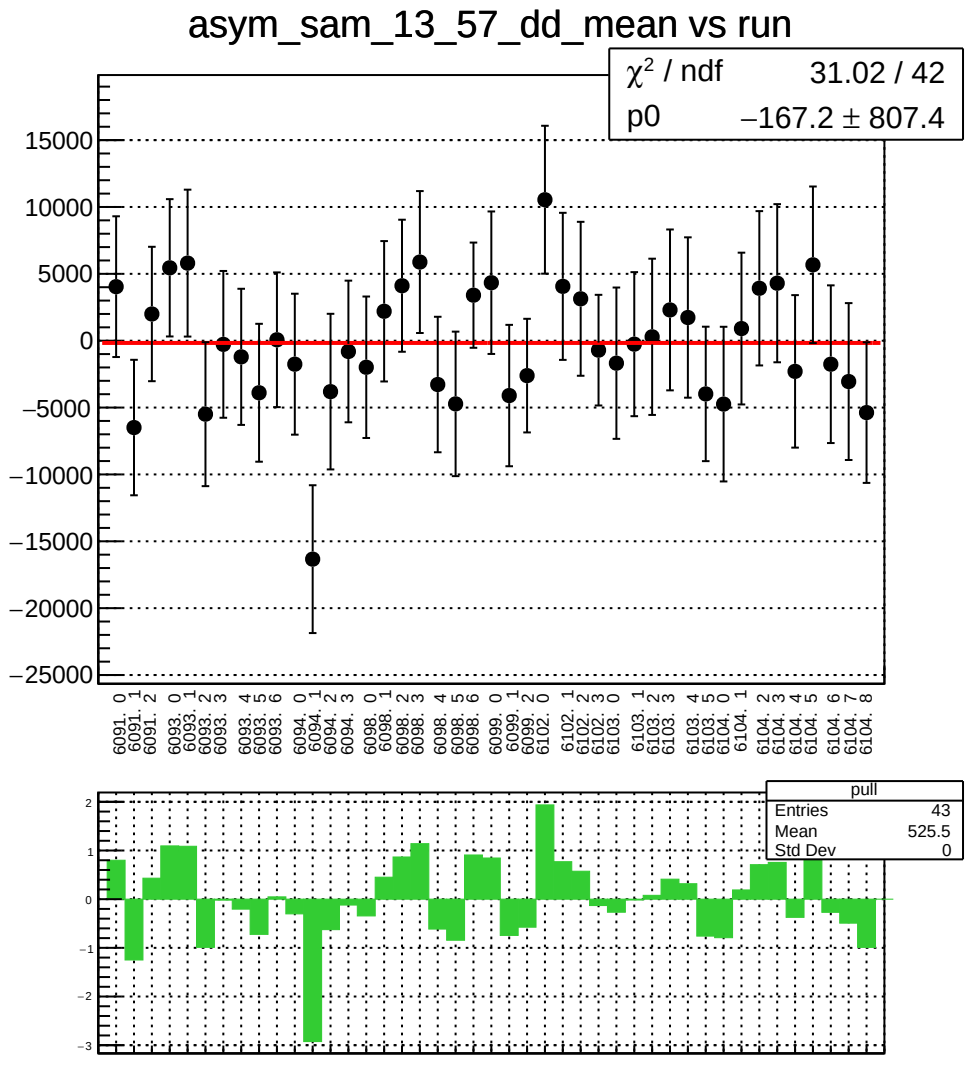

asym_sam_13_57_dd_dit_correction_rms vs run
χ² / ndf 1602 / 42
p0 502.5 ± 0.5529
550
540
530
520
510
500
490
480
470
460
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

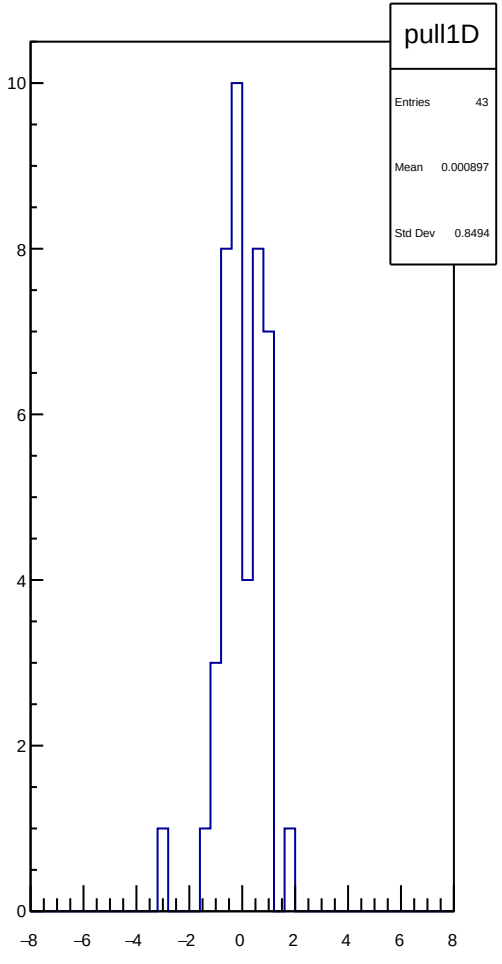

eigen_dit_asym_sam_13_57_dd_mean vs run
χ² / ndf 50.44 / 42
p0 52.2 ± 90.08
3000
2000
1000
0
−1000
−2000
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean −72.99
Std Dev 0
3
2
1
0
−1
−2
pull1D
Entries 43
Mean 0.03177
Std Dev 1.083
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

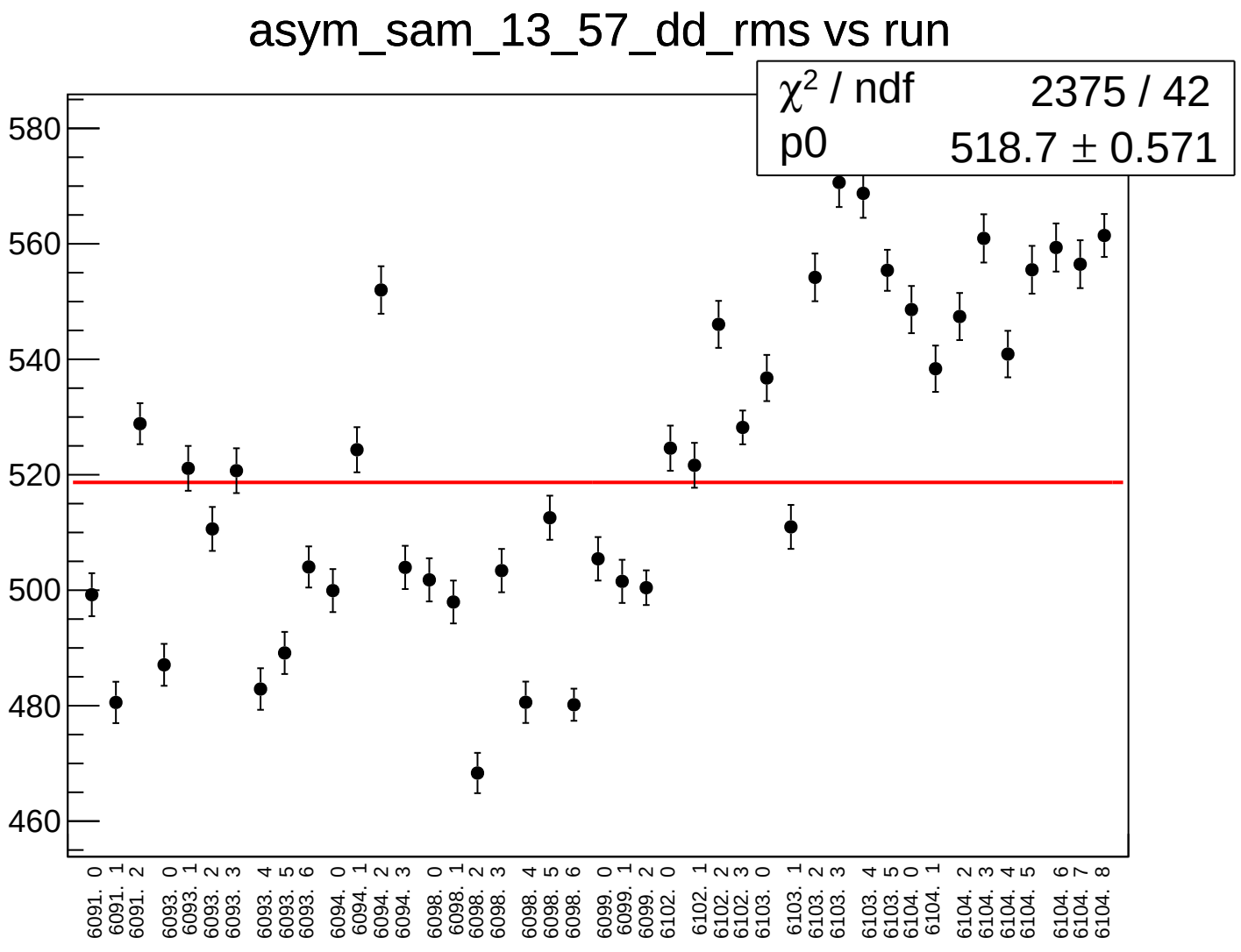

eigen_dit_asym_sam_13_57_dd_rms vs run
χ² / ndf 5044 / 42
p0 57.77 ± 0.0637
75
70
65
60
55
50
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

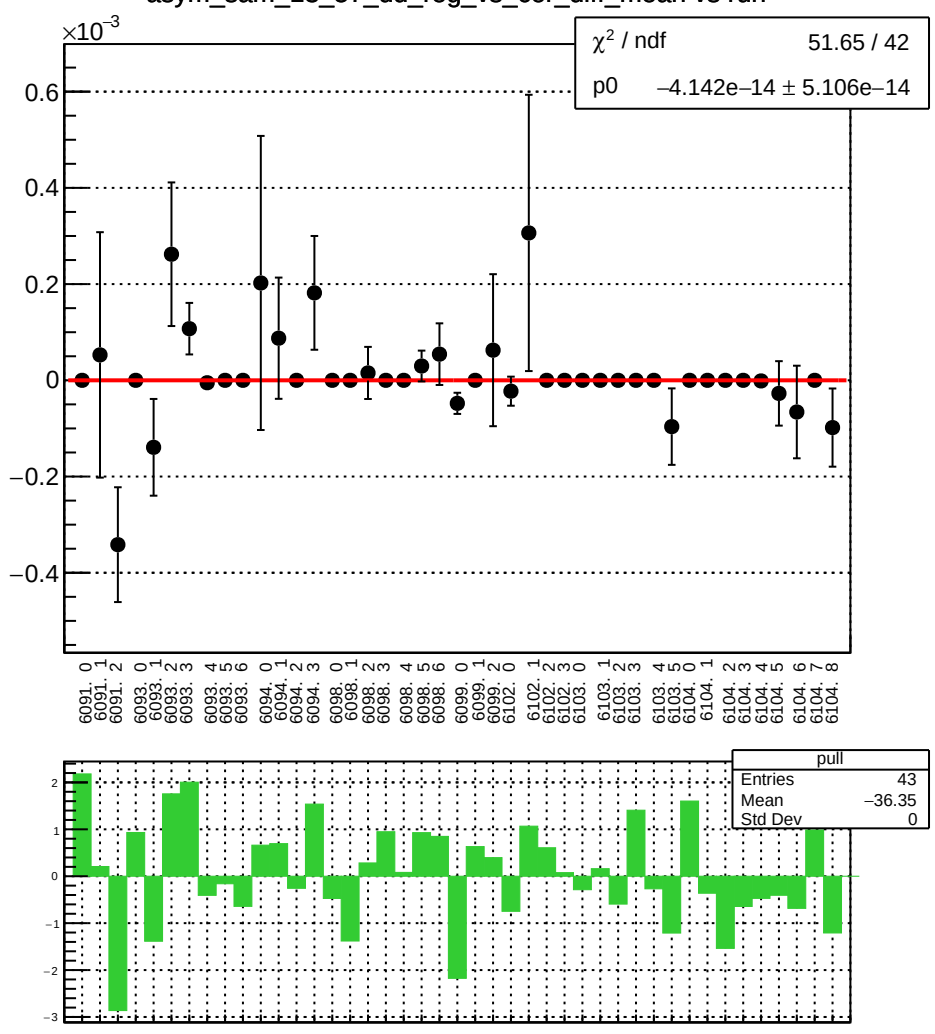

asym_sam_13_57_dd_eigen_dit_correction_mean vs run
χ² / ndf 30.11 / 42
p0 234.2 ± 781.9
pull
Entries 43
Mean −558.3
Std Dev 0
pull1D
Entries 43
Mean 0.001398
Std Dev 0.8367

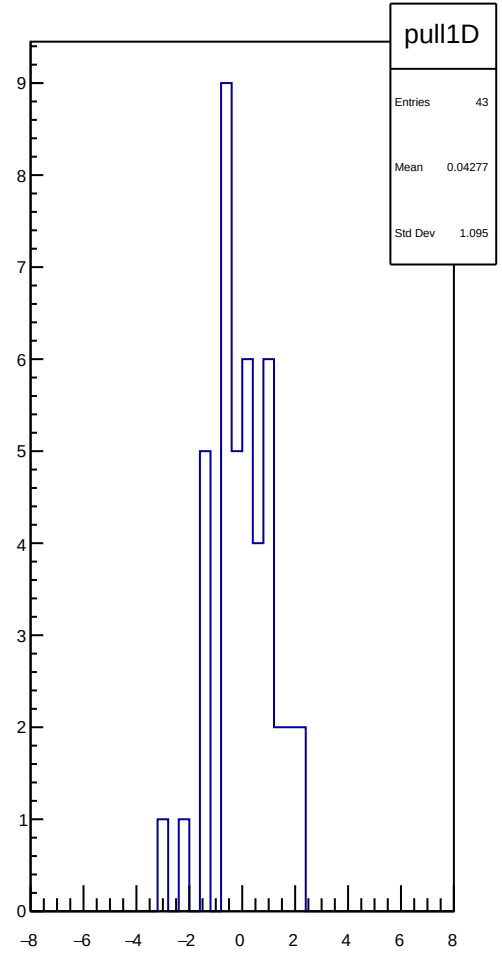

asym_sam_13_57_dd_eigen_dit_correction_rms vs run
χ² / ndf 1602 / 42
p0 502.5 ± 0.5529
550
540
530
520
510
500
490
480
470
460
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

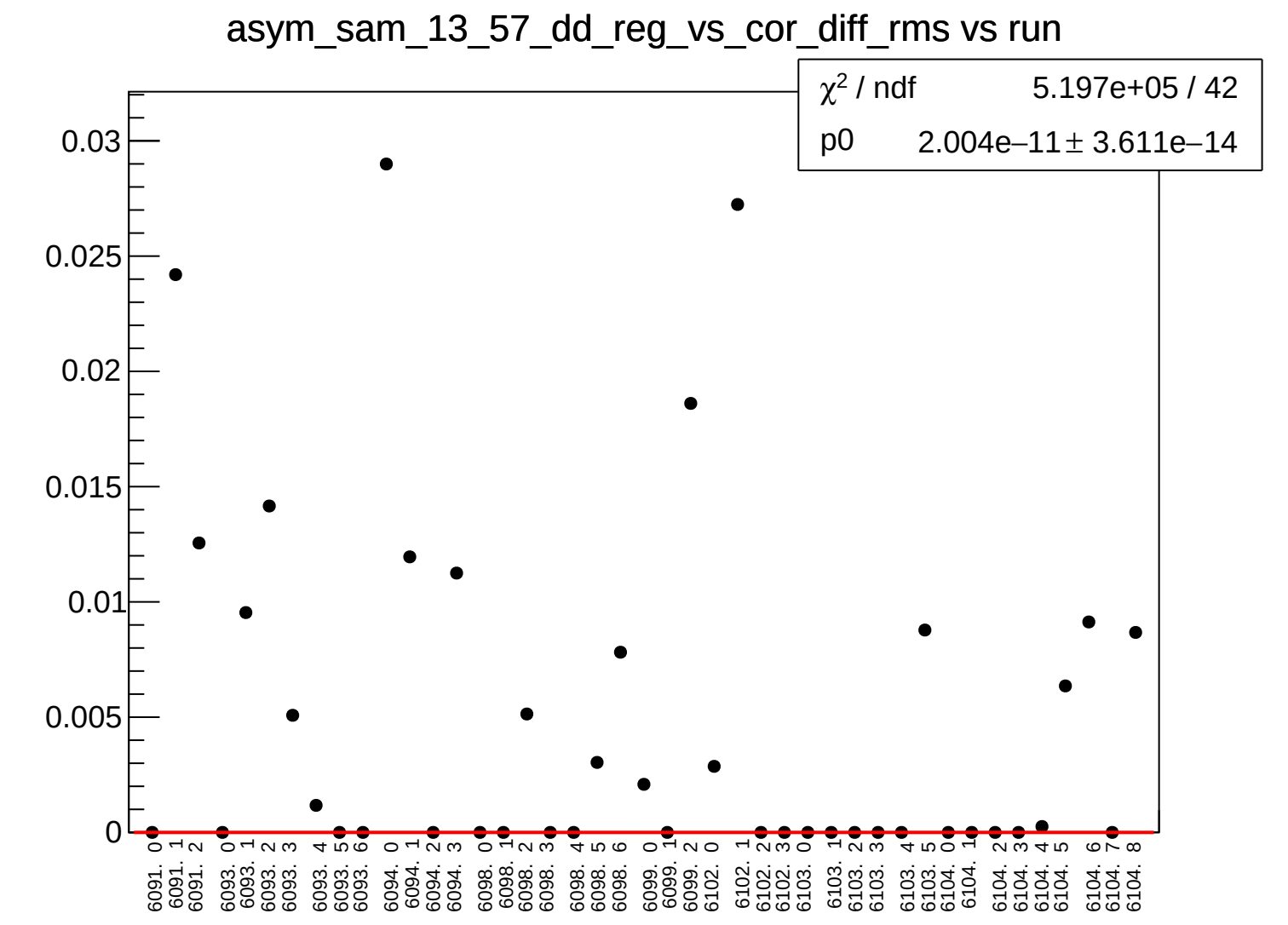

asym_sam_13_57_dd_mean vs run
χ² / ndf 31.02 / 42
p0 −167.2 ± 807.4
15000
10000
5000
0
−5000
−10000
−15000
−20000
−25000
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 525.5
Std Dev 0
2
1
0
−1
−2
−3

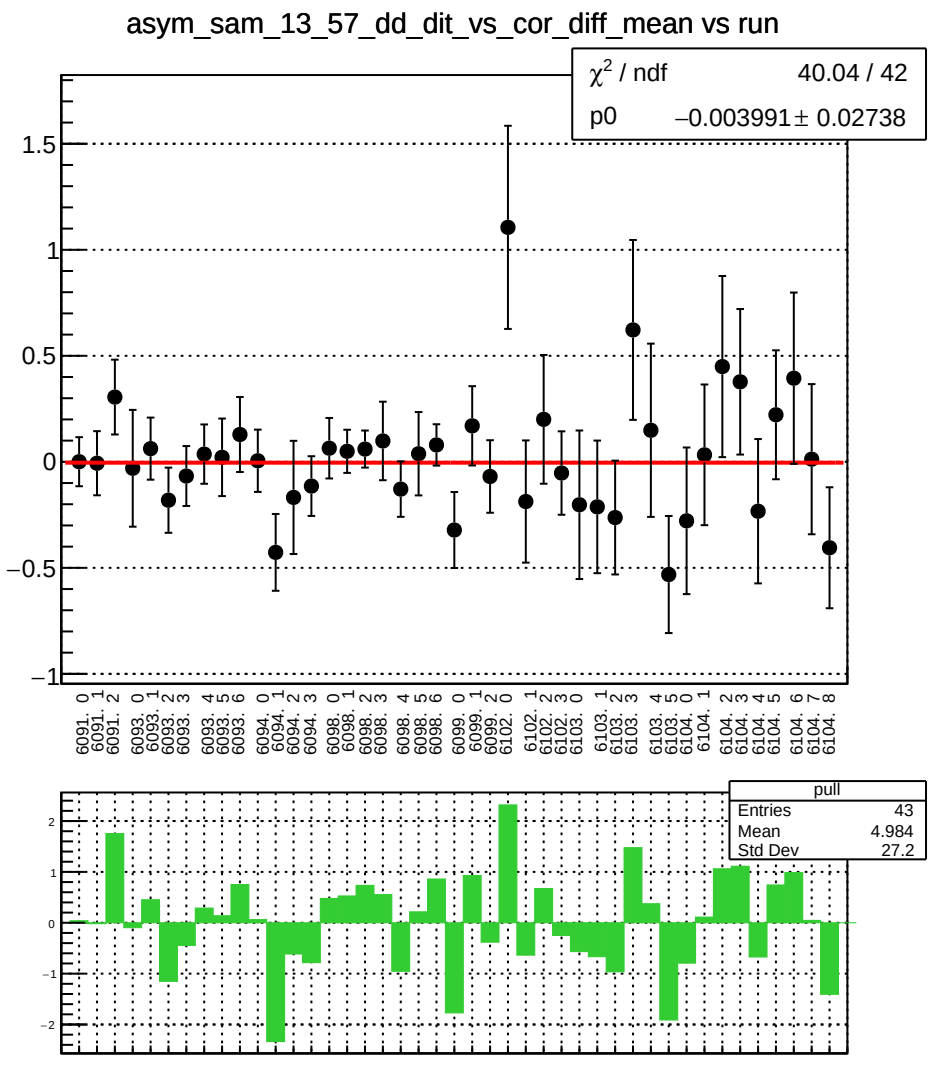

pull1D
Entries 43
Mean 0.000897
Std Dev 0.8494
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

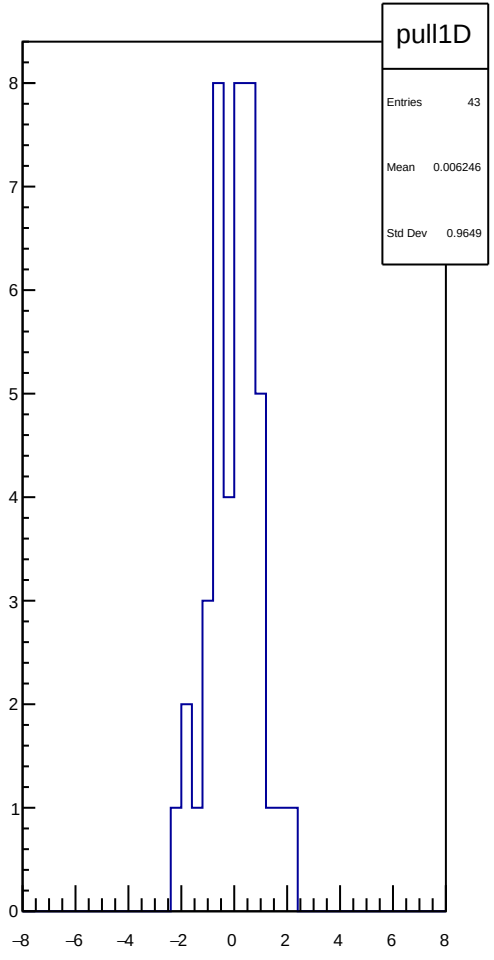

asym_sam_13_57_dd_rms vs run
χ² / ndf 2375 / 42
p0 518.7 ± 0.571
580
560
540
520
500
480
460
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

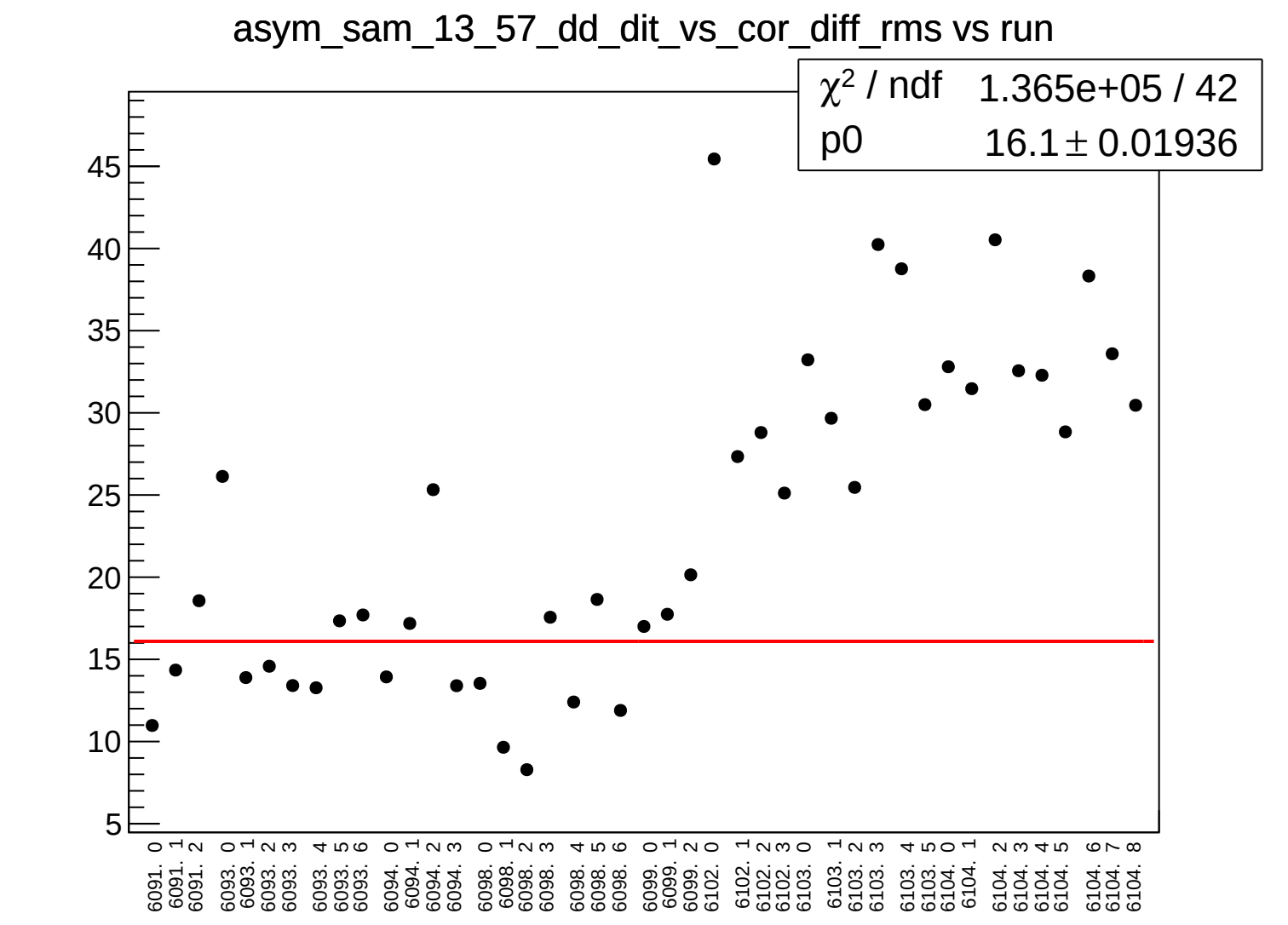

asym_sam_13_57_dd_reg_vs_cor_diff_mean vs run
×10⁻³
χ² / ndf 51.65 / 42
p0 −4.142e−14 ± 5.106e−14
pull
Entries 43
Mean −36.35
Std Dev 0

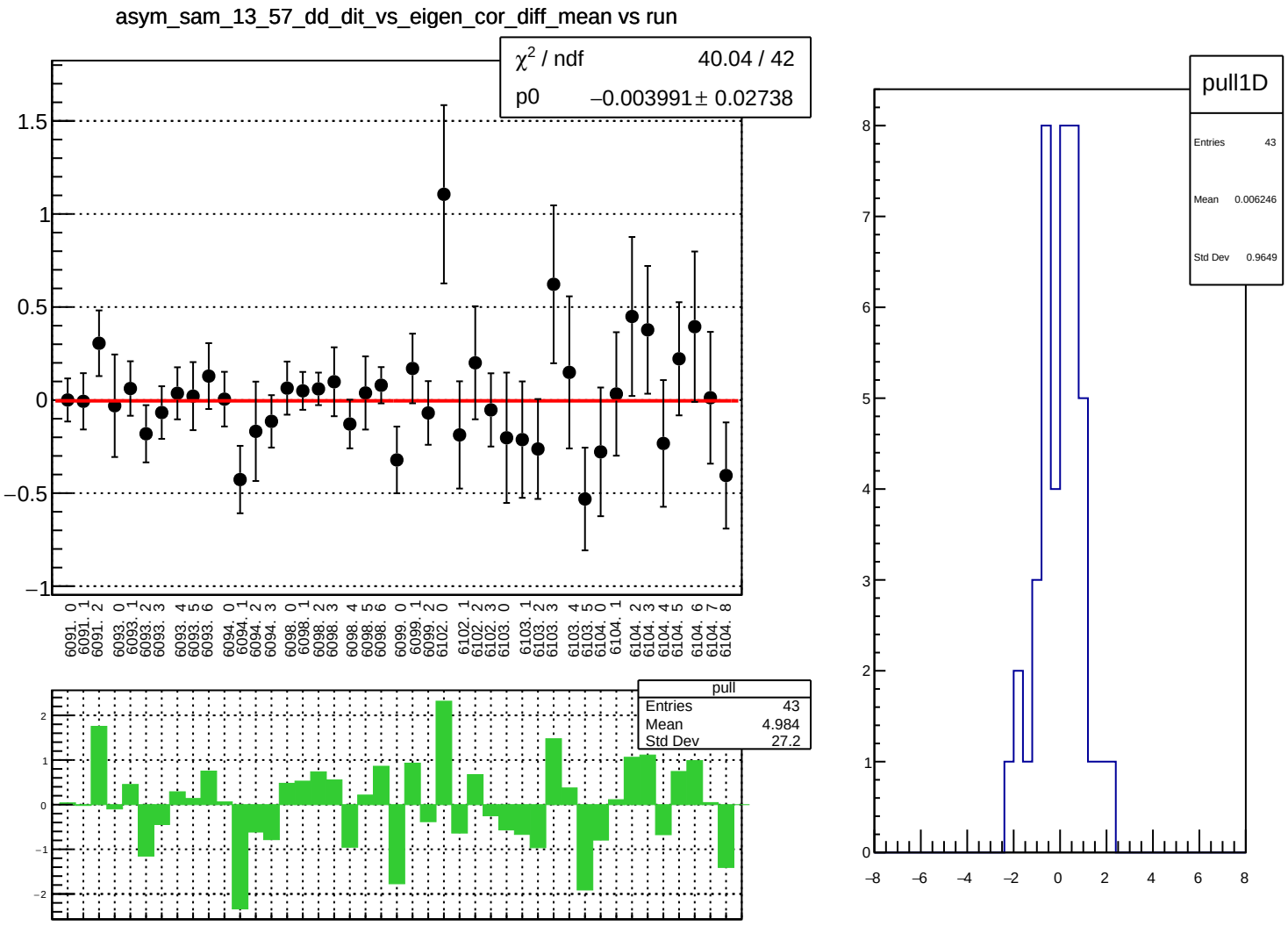

pull1D
Entries 43
Mean 0.04277
Std Dev 1.095

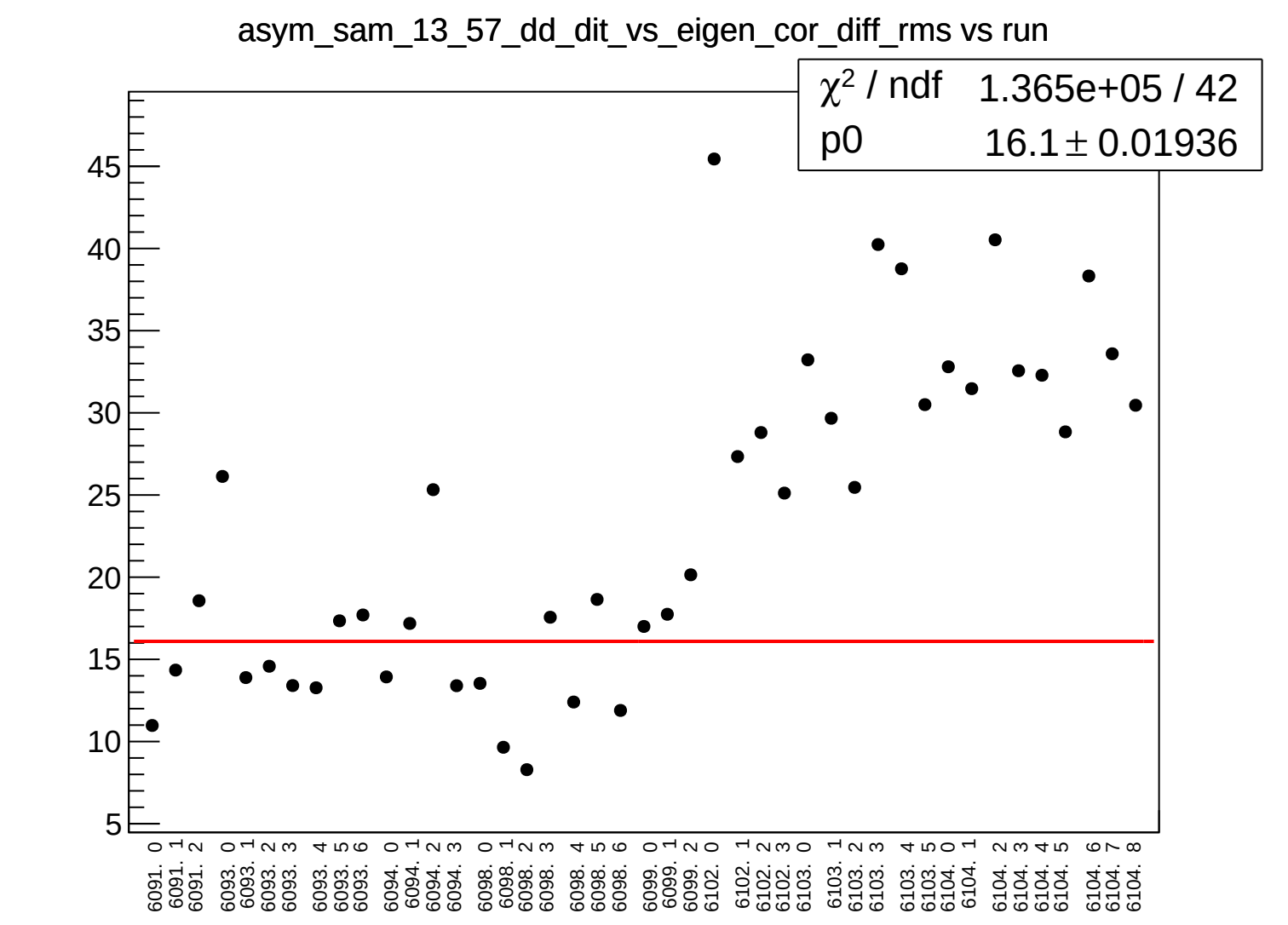

asym_sam_13_57_dd_reg_vs_cor_diff_rms vs run
χ² / ndf 5.197e+05 / 42
p0 2.004e−11 ± 3.611e−14
0.03
0.025
0.02
0.015
0.01
0.005
0
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

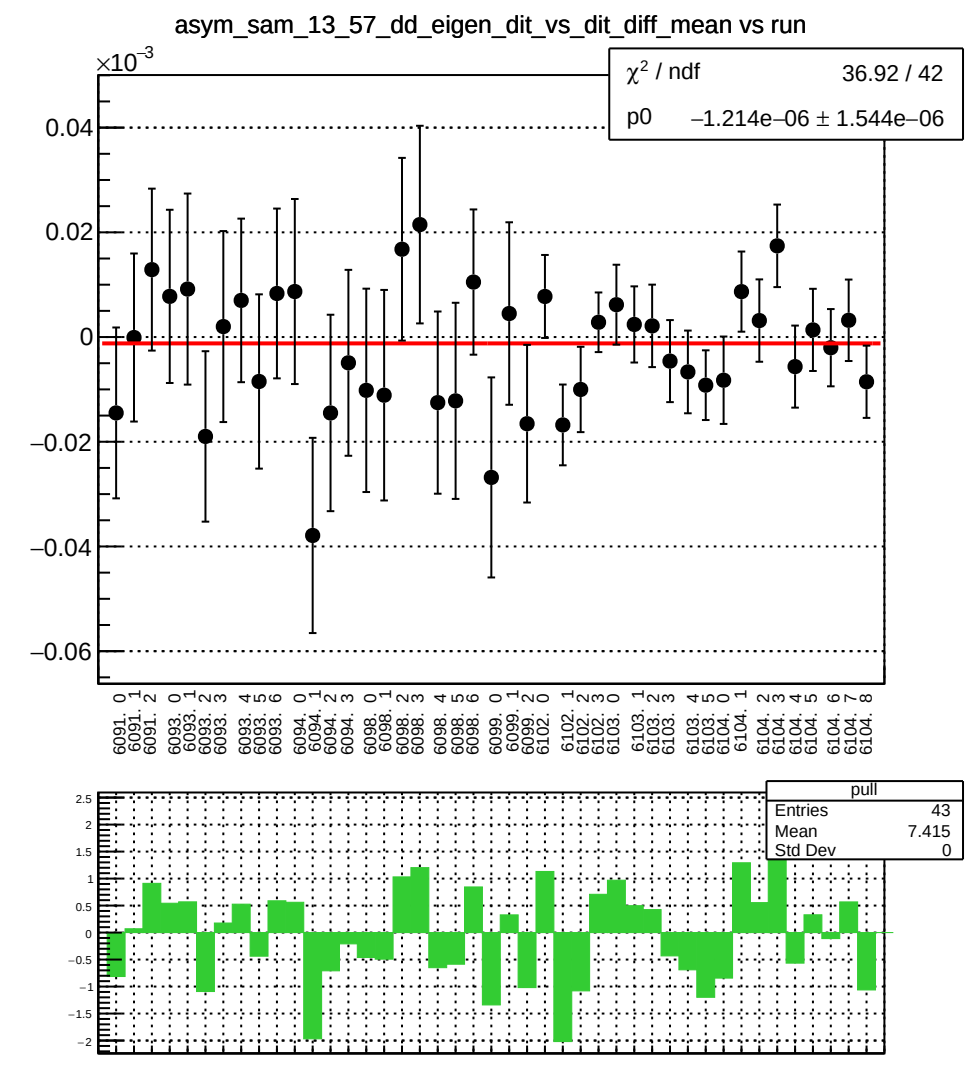

asym_sam_13_57_dd_dit_vs_cor_diff_mean vs run
χ² / ndf 40.04 / 42
p0 −0.003991 ± 0.02738
1.5
1
0.5
0
−0.5
−1
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 4.984
Std Dev 27.2
2
1
0
−1
−2

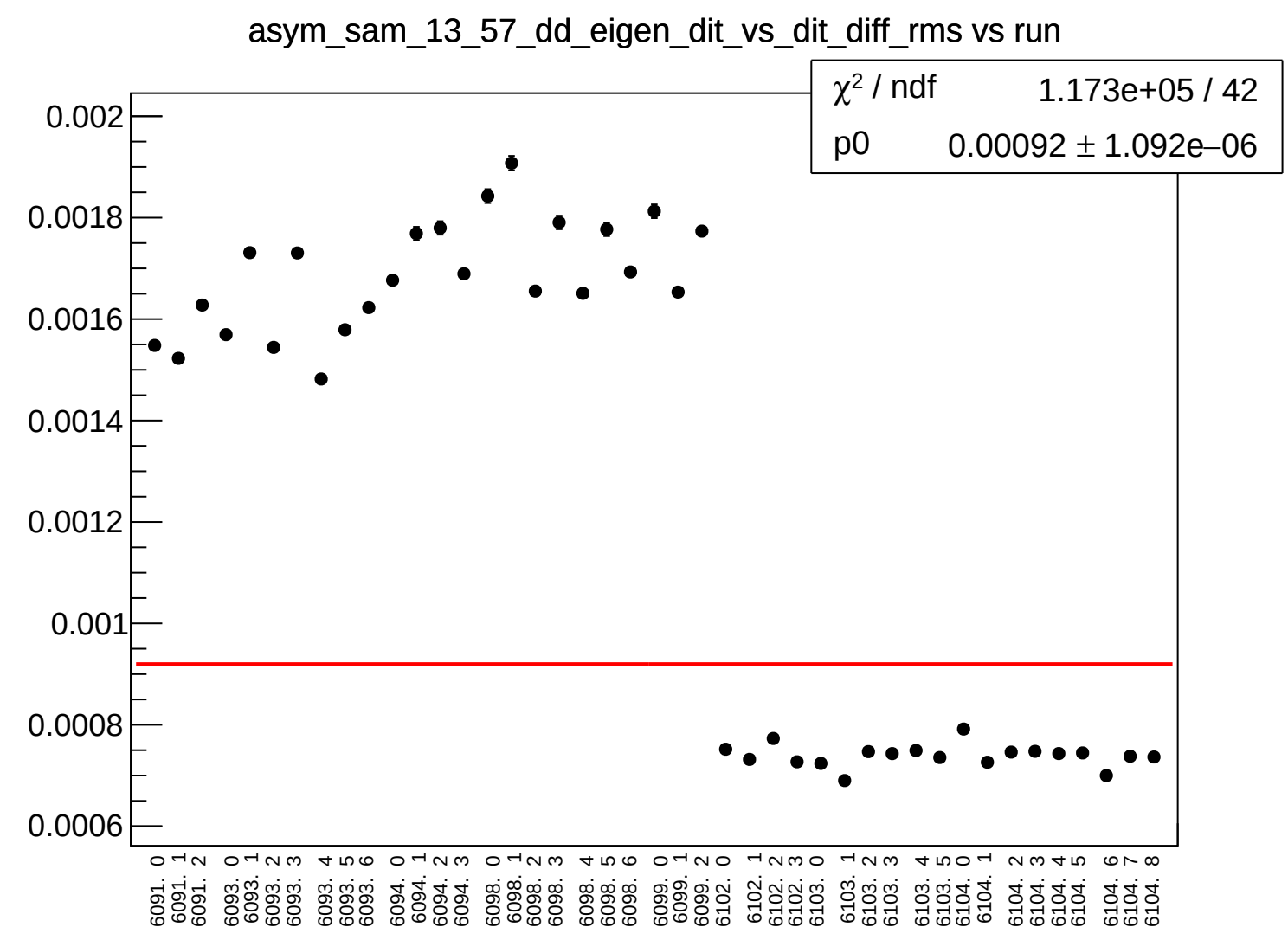

pull1D
Entries 43
Mean 0.006246
Std Dev 0.9649
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

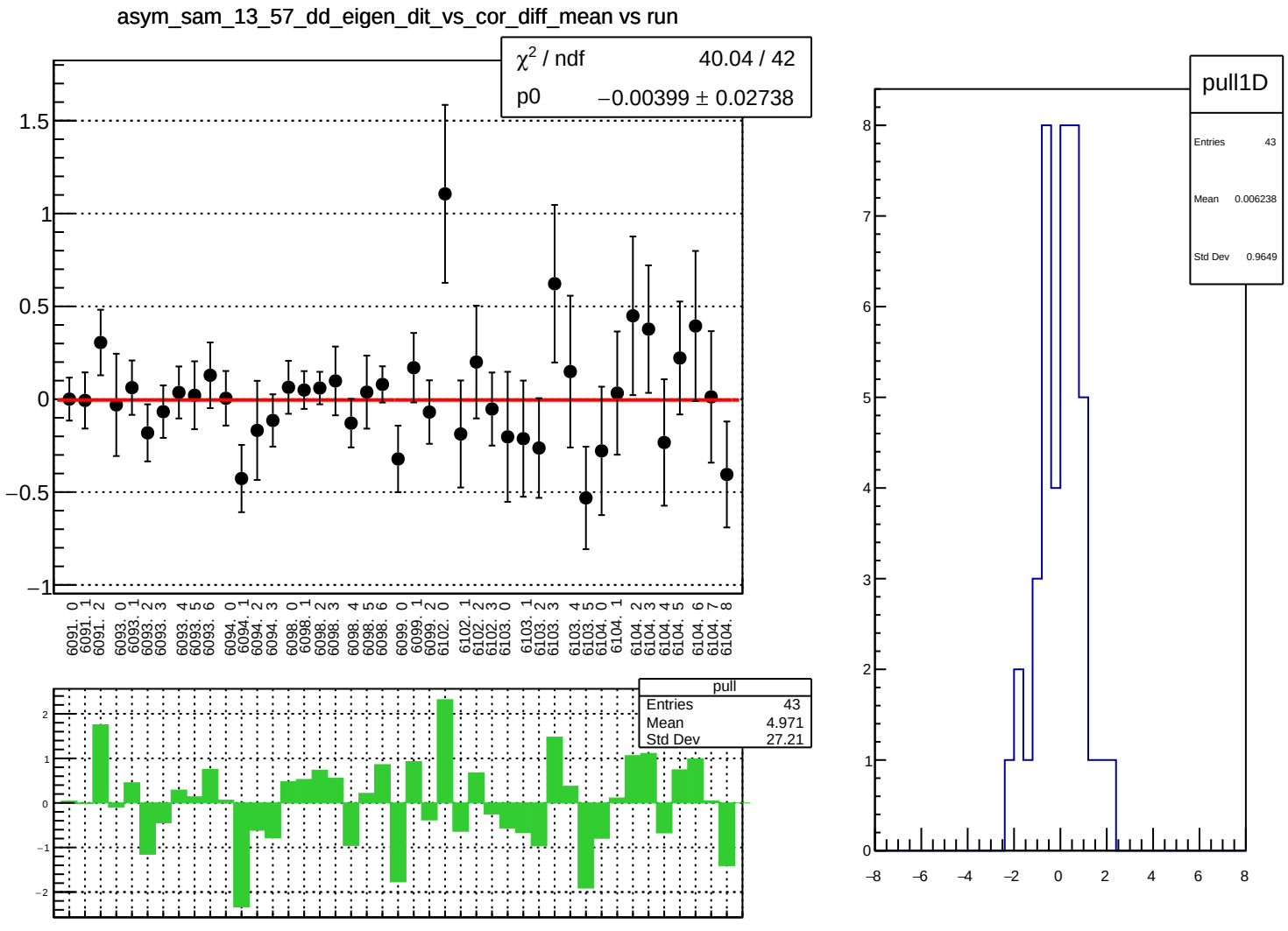

asym_sam_13_57_dd_dit_vs_cor_diff_rms vs run
χ² / ndf 1.365e+05 / 42
p0 16.1 ± 0.01936
45
40
35
30
25
20
15
10
5
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8


asym_sam_13_57_dd_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 40.04 / 42
p0 −0.003991 ± 0.02738
1.5
1
0.5
0
−0.5
−1
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 4.984
Std Dev 27.2
2
1
0
−1
−2
pull1D
Entries 43
Mean 0.006246
Std Dev 0.9649
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


asym_sam_13_57_dd_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.365e+05 / 42
p0 16.1 ± 0.01936
45
40
35
30
25
20
15
10
5
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8


asym_sam_13_57_dd_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 36.92 / 42
p0 −1.214e−06 ± 1.544e−06
0.04
0.02
0
−0.02
−0.04
−0.06
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 7.415
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 43
Mean −0.0369
Std Dev 0.9259
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


asym_sam_13_57_dd_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 1.173e+05 / 42
p0 0.00092 ± 1.092e−06
0.002
0.0018
0.0016
0.0014
0.0012
0.001
0.0008
0.0006
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8


asym_sam_13_57_dd_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 40.04 / 42
p0 −0.00399 ± 0.02738
1.5
1
0.5
0
−0.5
−1
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
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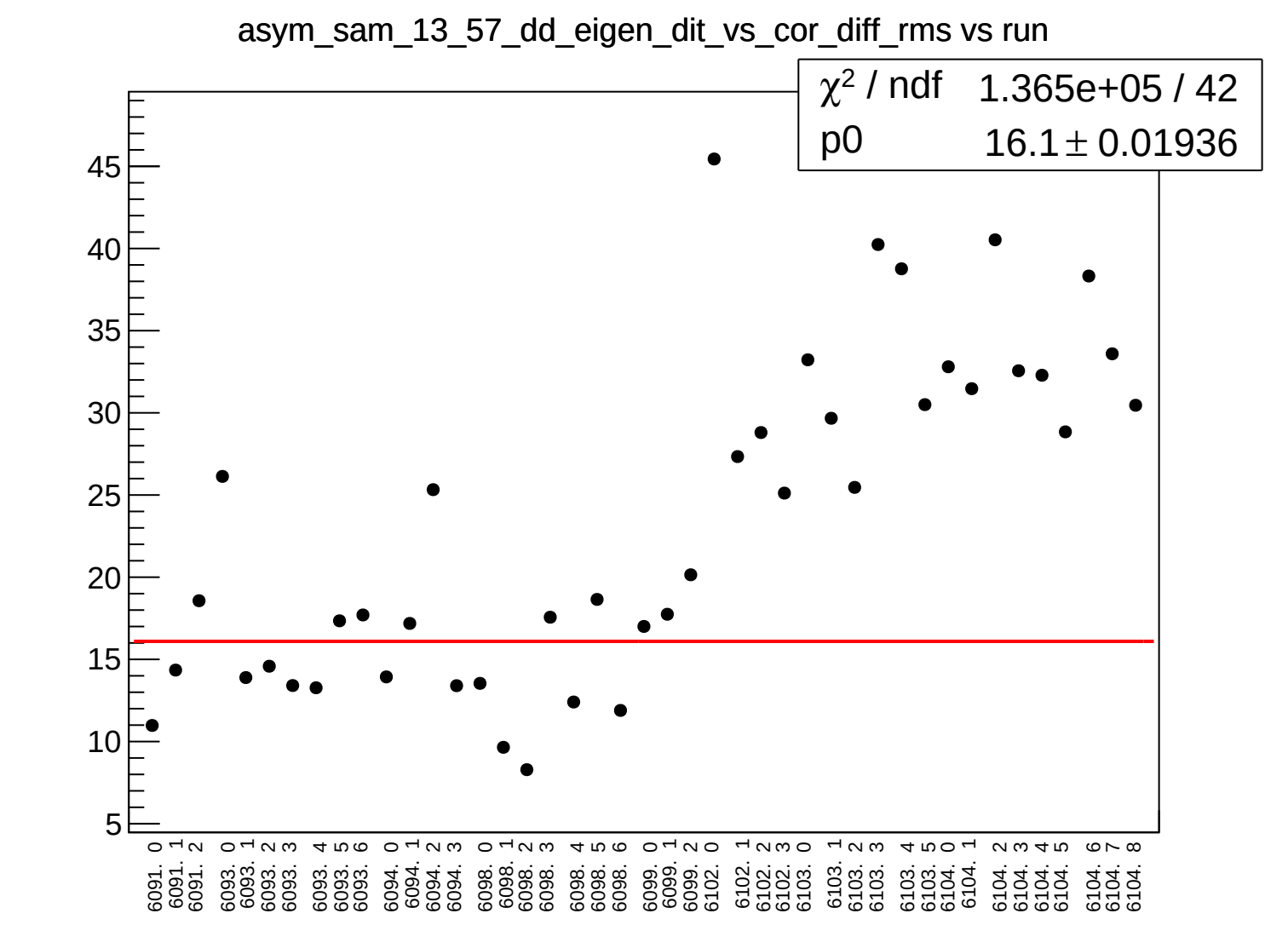
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 4.971
Std Dev 27.21
2
1
0
−1
−2
pull1D
Entries 43
Mean 0.006238
Std Dev 0.9649
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


asym_sam_13_57_dd_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 1.365e+05 / 42
p0 16.1 ± 0.01936
45
40
35
30
25
20
15
10
5
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
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6094. 3
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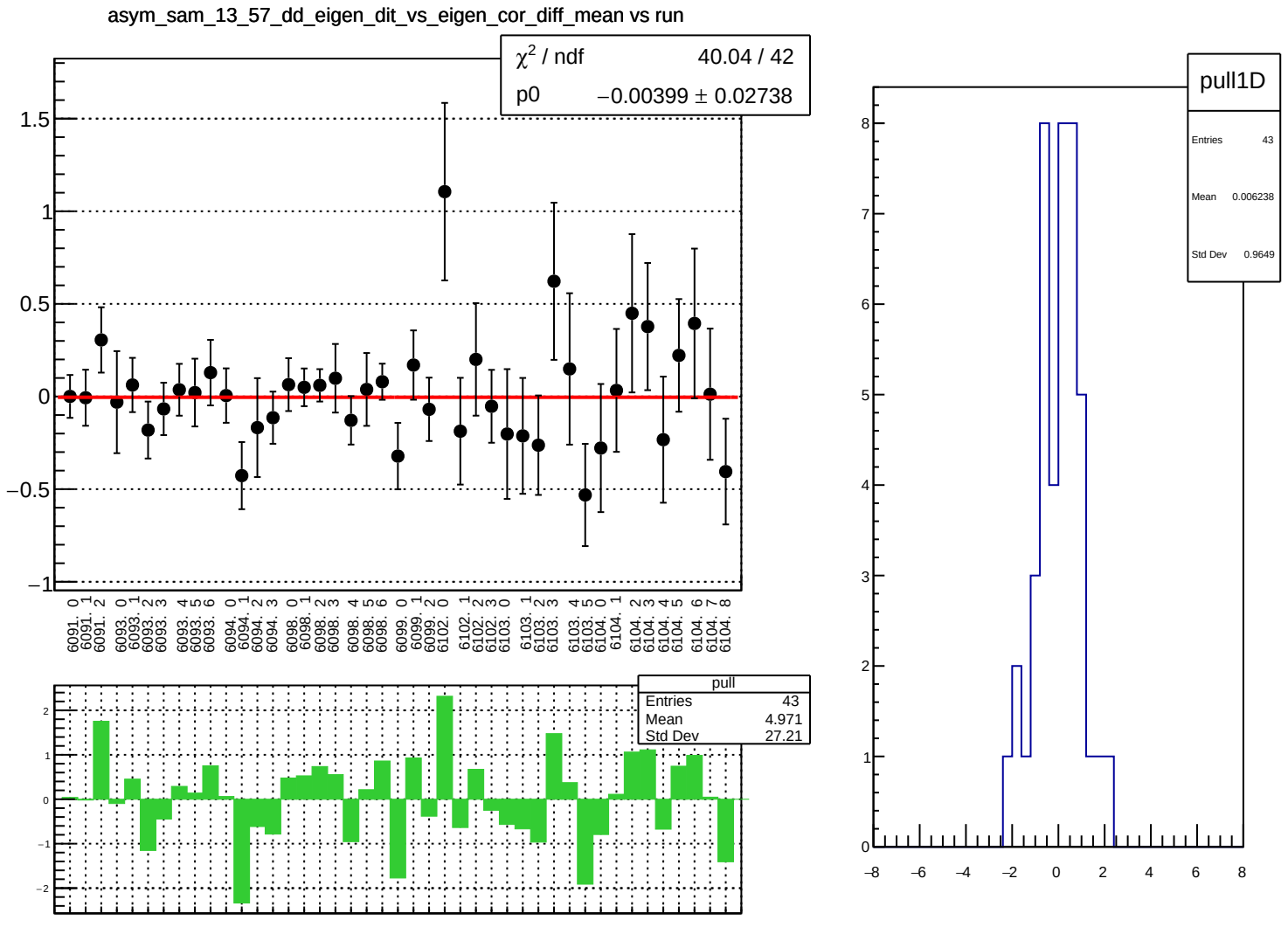
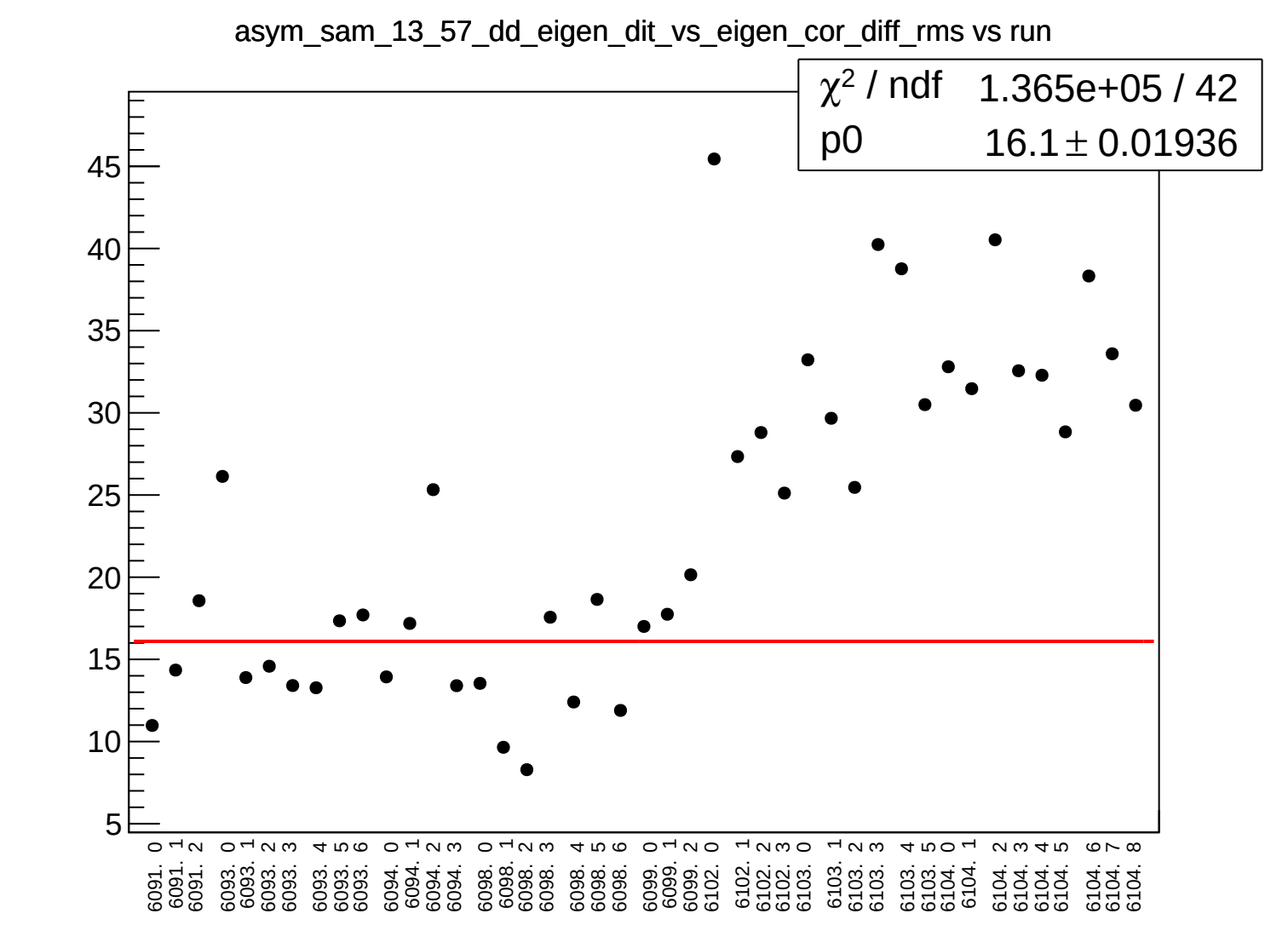
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8


asym_sam_13_57_dd_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 40.04 / 42
p0 −0.00399 ± 0.02738
1.5
1
0.5
0
−0.5
−1
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 4.971
Std Dev 27.21
2
1
0
−1
−2
pull1D
Entries 43
Mean 0.006238
Std Dev 0.9649
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


asym_sam_13_57_dd_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.365e+05 / 42
p0 16.1 ± 0.01936
45
40
35
30
25
20
15
10
5
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
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6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
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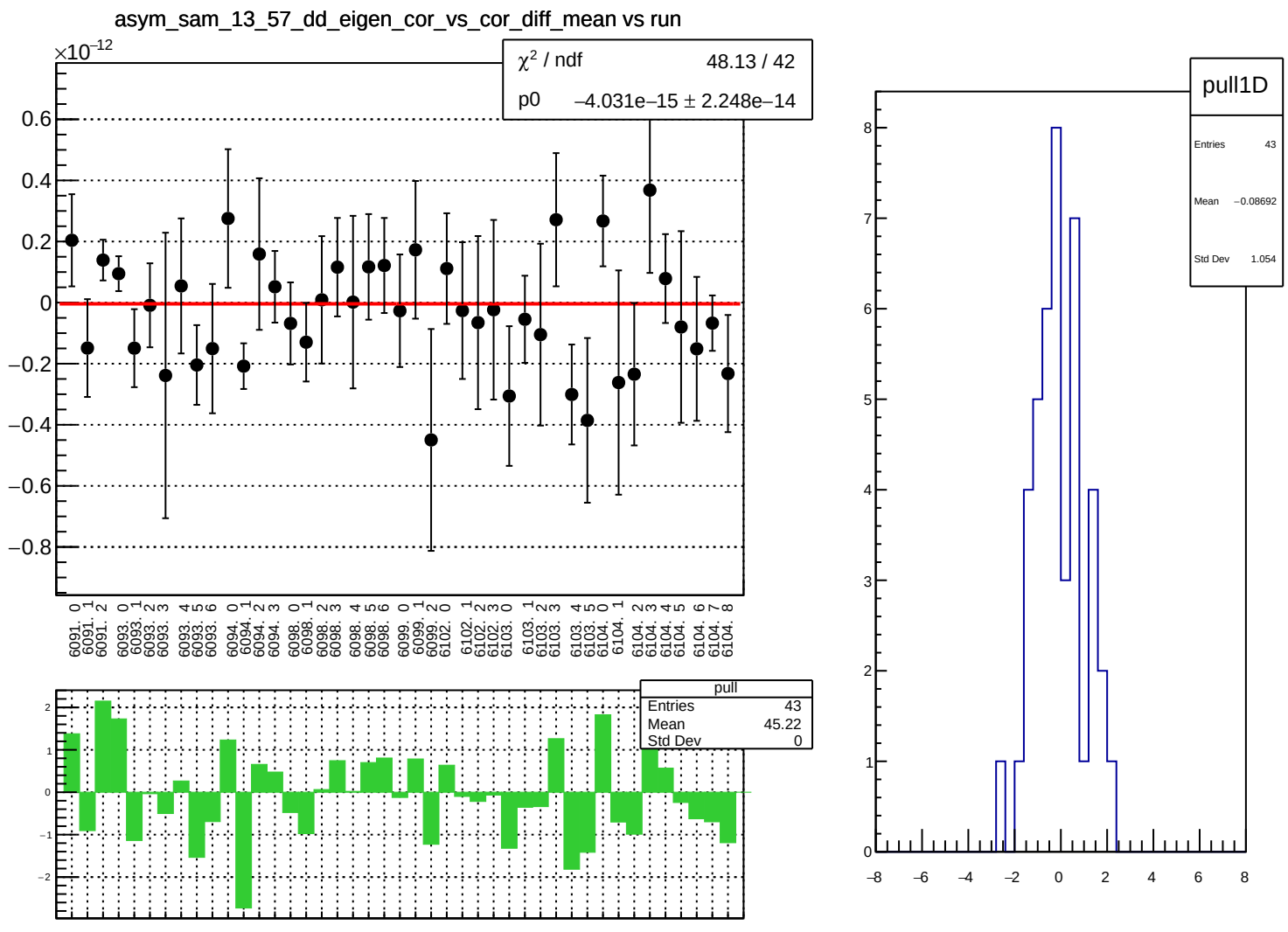
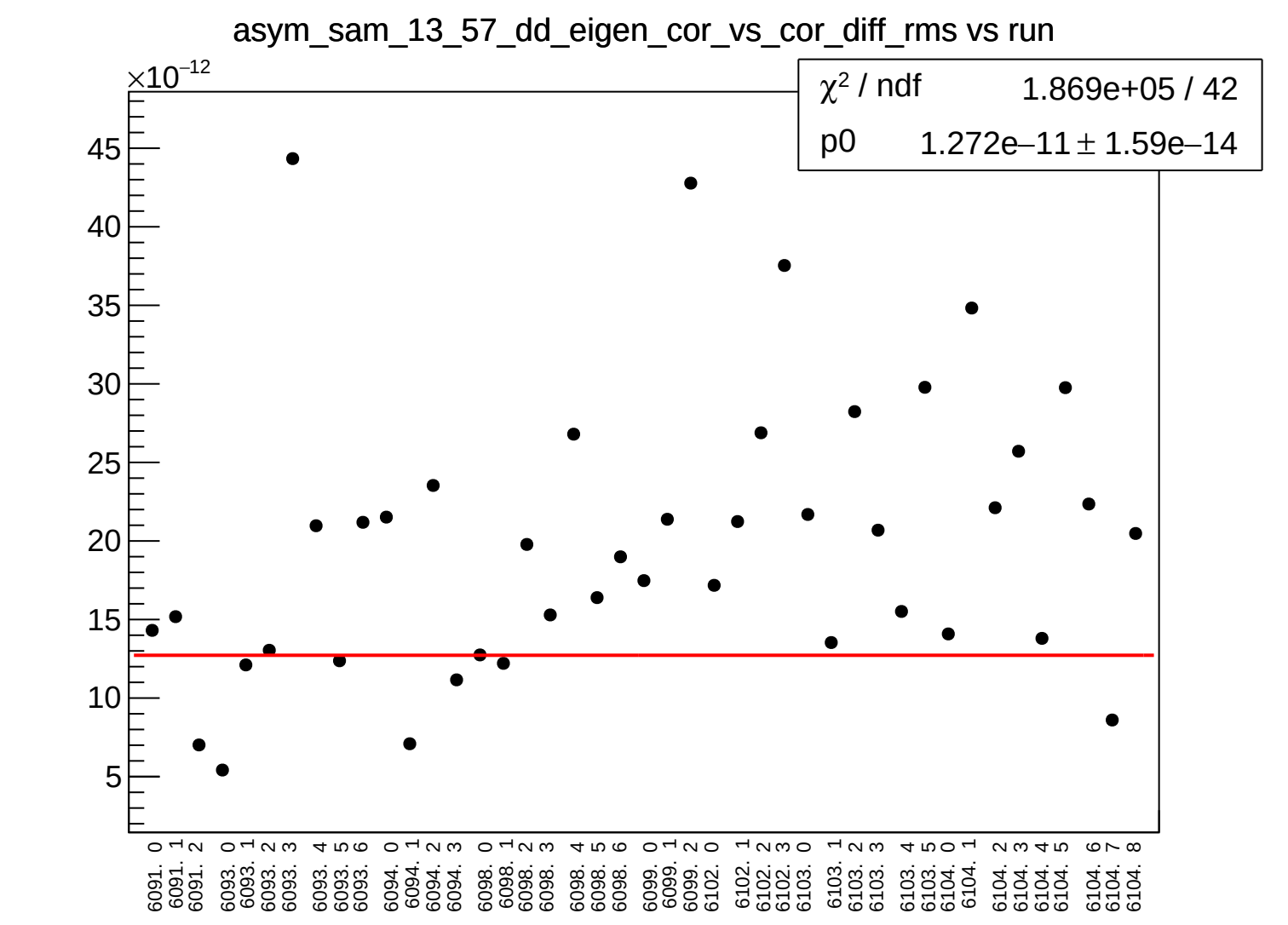
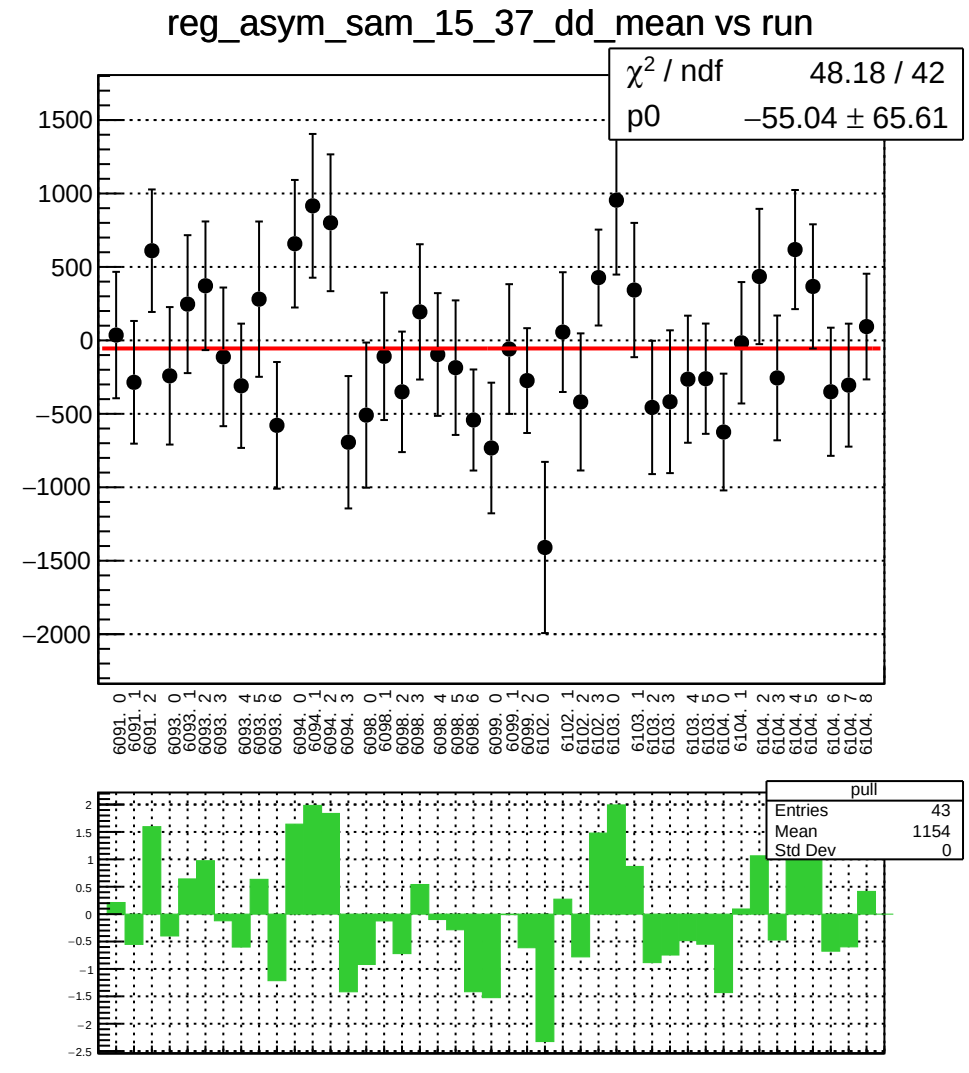
6104. 5
6104. 6
6104. 7
6104. 8


asym_sam_13_57_dd_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 48.13 / 42
p0 −4.031e−15 ± 2.248e−14
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 45.22
Std Dev 0
2
1
0
−1
−2
pull1D
Entries 43
Mean −0.08692
Std Dev 1.054
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


asym_sam_13_57_dd_eigen_cor_vs_cor_diff_rms vs run
×10⁻¹²
χ² / ndf 1.869e+05 / 42
p0 1.272e−11 ± 1.59e−14
45
40
35
30
25
20
15
10
5
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8


reg_asym_sam_15_37_dd_mean vs run
χ² / ndf 48.18 / 42
p0 −55.04 ± 65.61
1500
1000
500
0
−500
−1000
−1500
−2000
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
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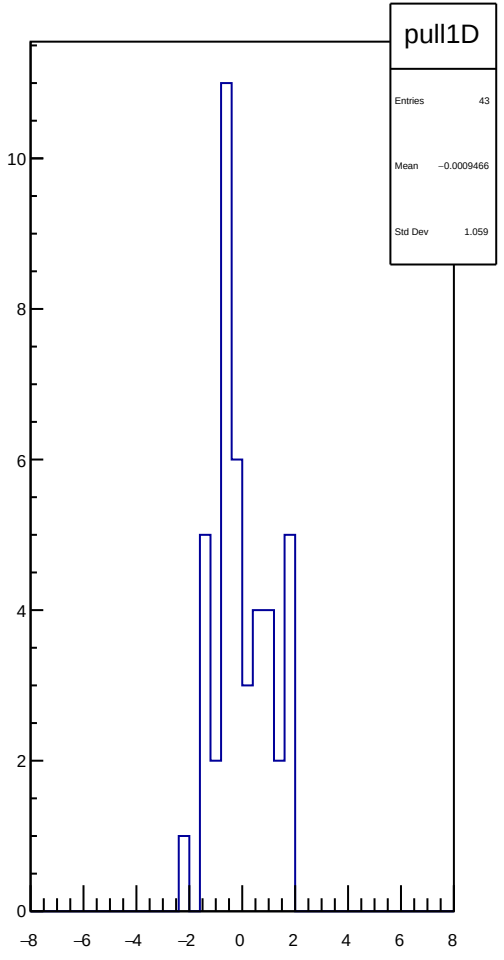
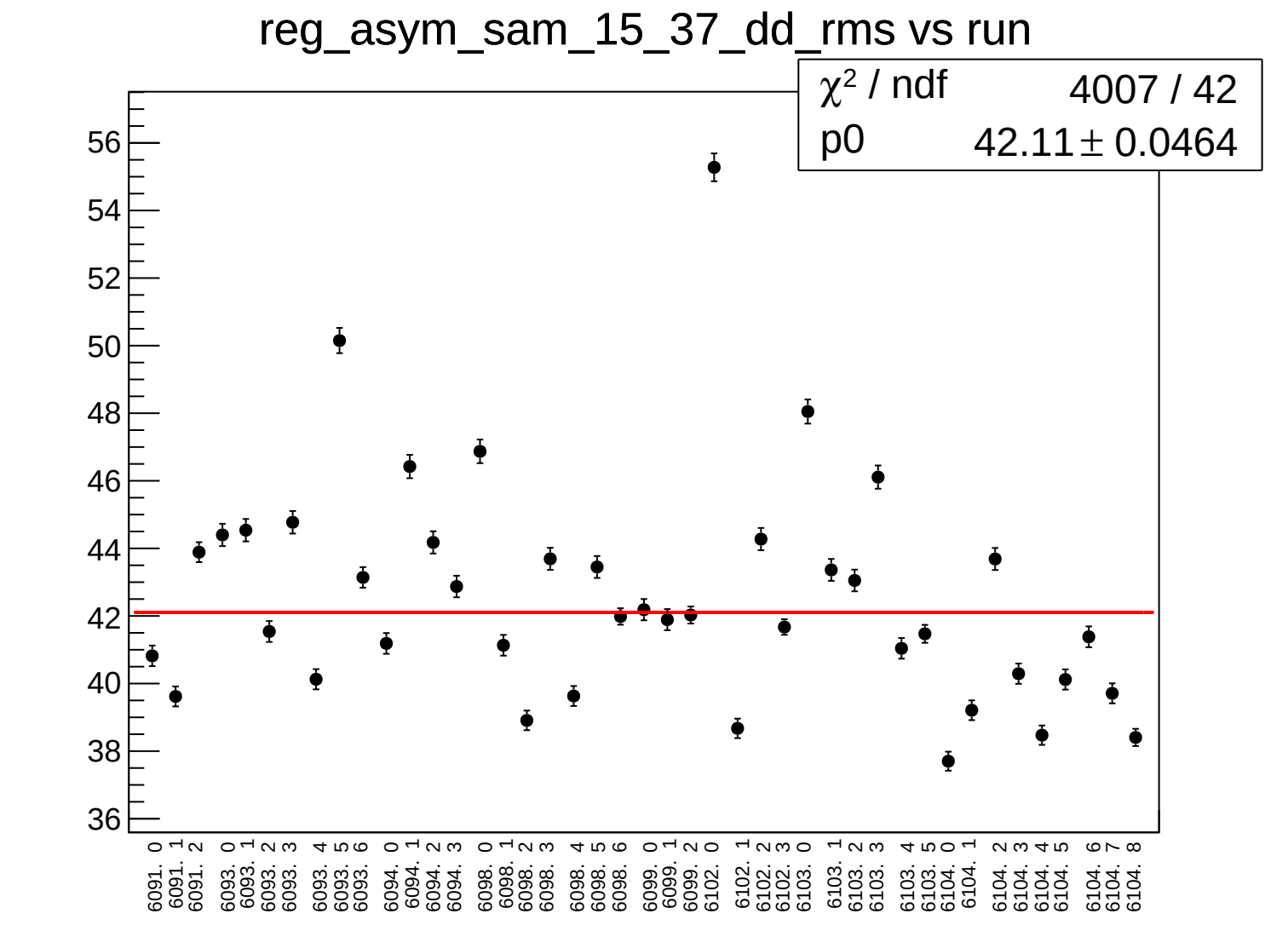
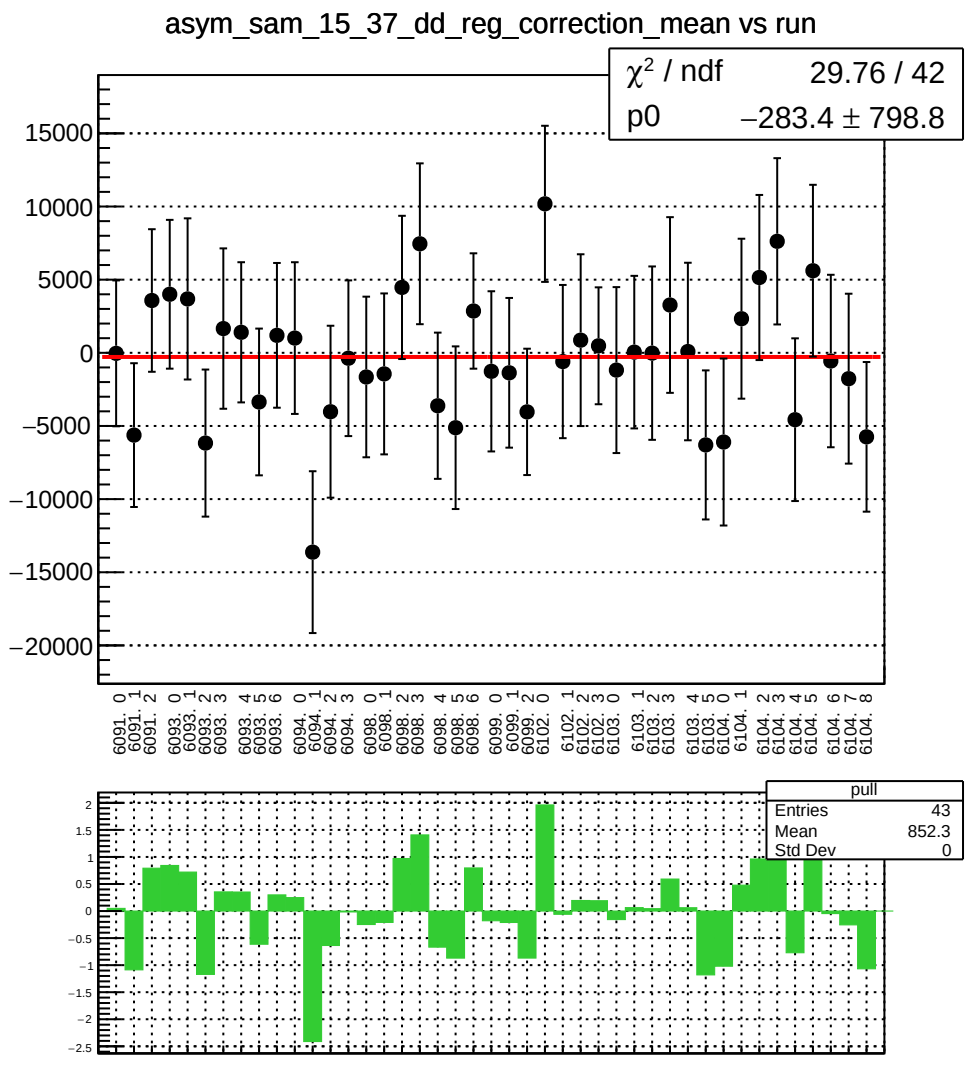
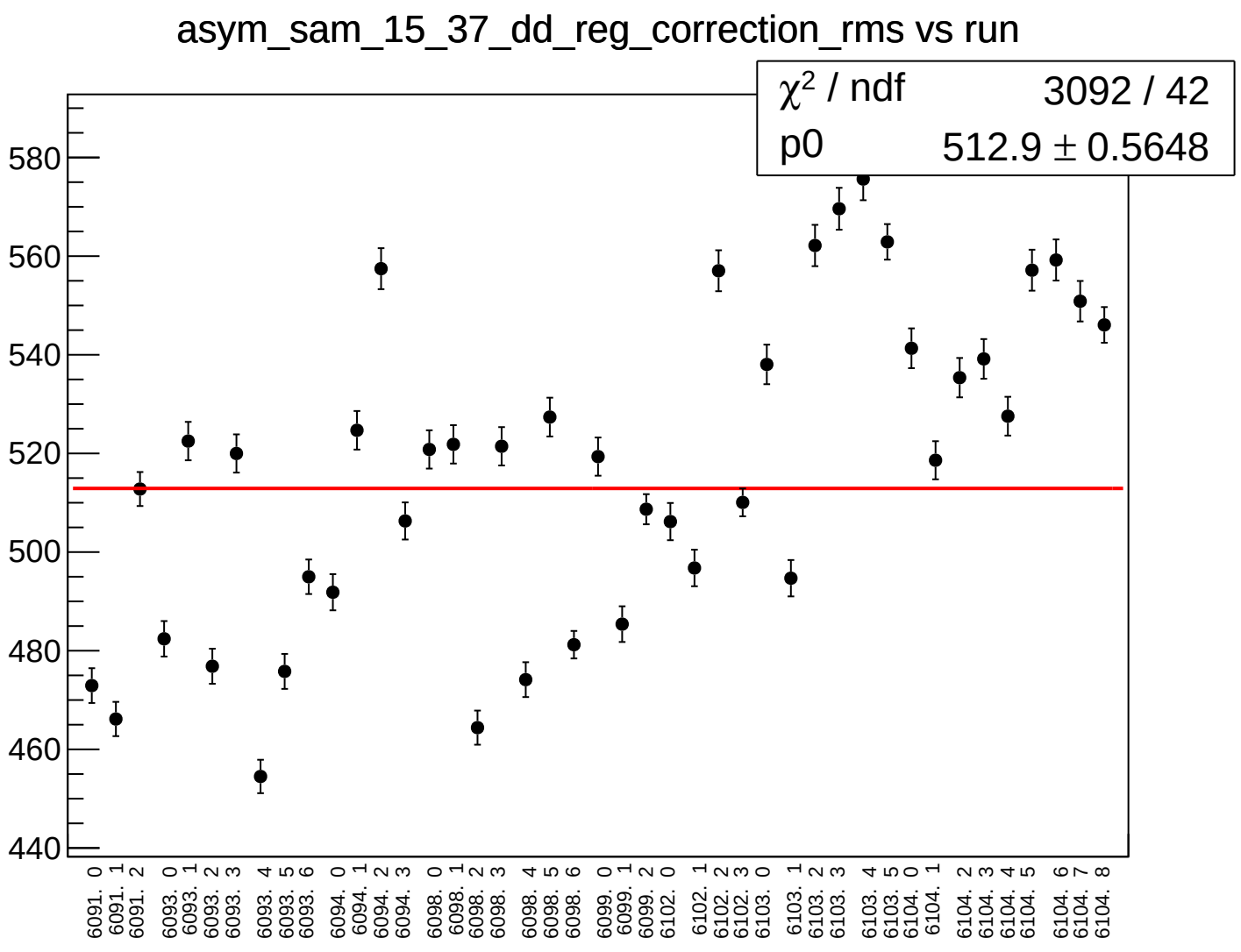
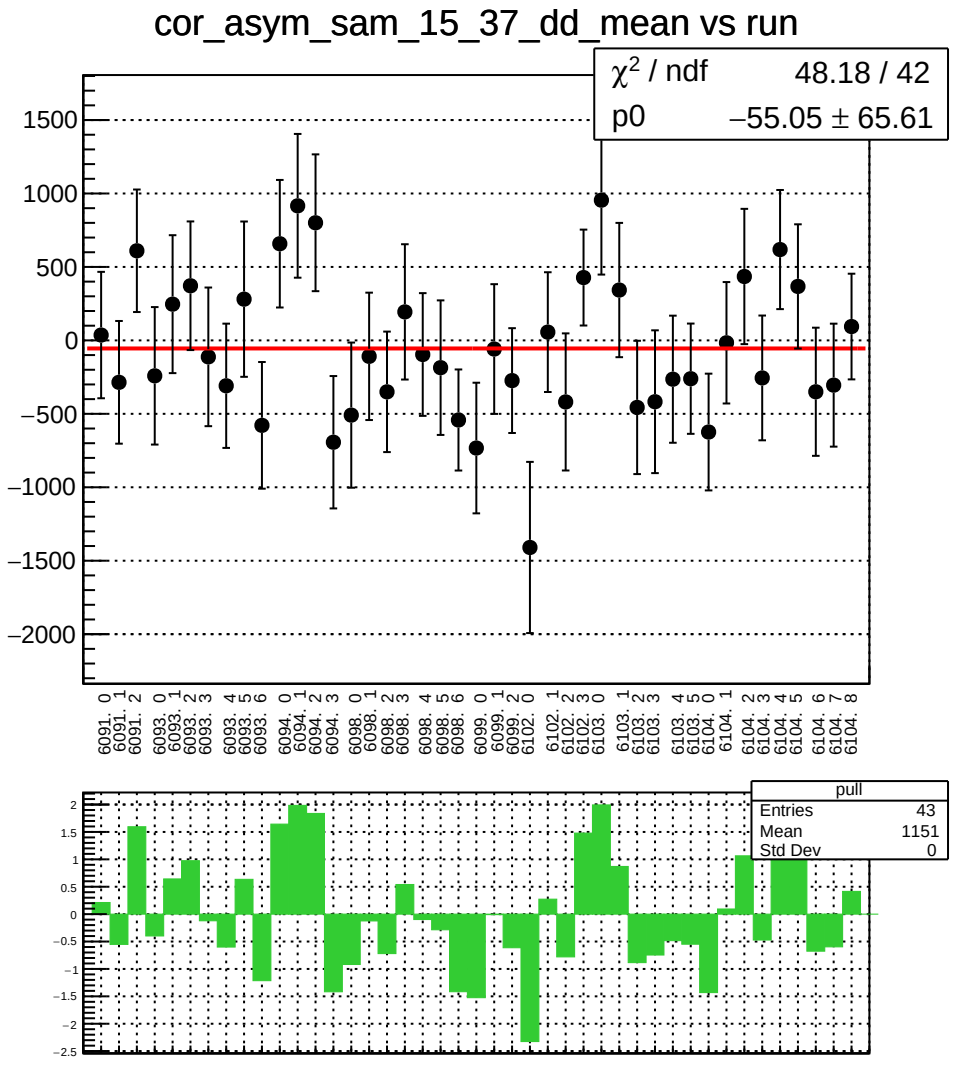
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 1154
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

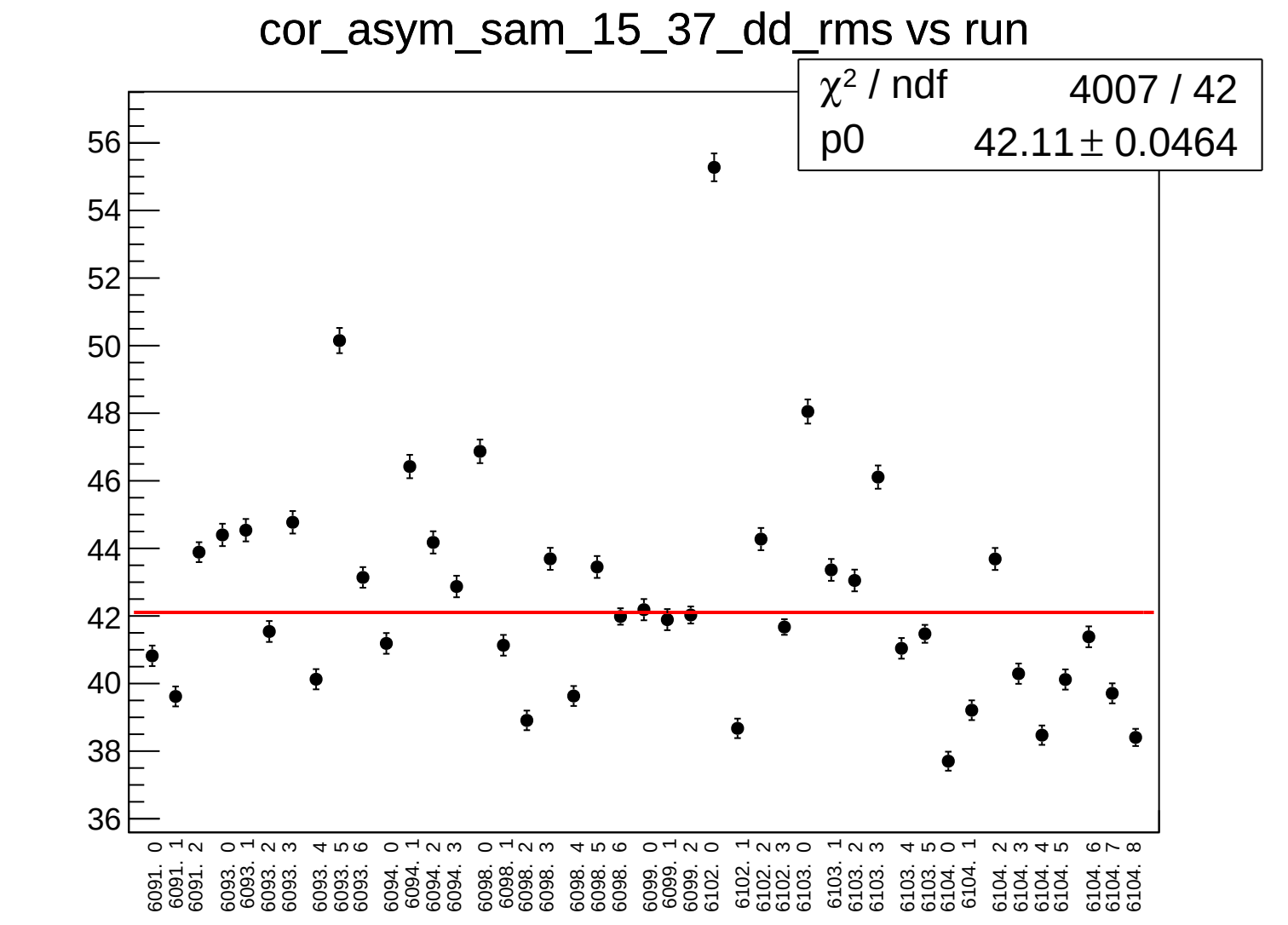

pull1D
Entries 43
Mean −0.0009466
Std Dev 1.059
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


reg_asym_sam_15_37_dd_rms vs run
χ² / ndf 4007 / 42
p0 42.11 ± 0.0464
56
54
52
50
48
46
44
42
40
38
36
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8


asym_sam_15_37_dd_reg_correction_mean vs run
χ² / ndf 29.76 / 42
p0 −283.4 ± 798.8
15000
10000
5000
0
−5000
−10000
−15000
−20000
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 852.3
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5
pull1D
Entries 43
Mean 0.0005195
Std Dev 0.8319
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


asym_sam_15_37_dd_reg_correction_rms vs run
χ² / ndf 3092 / 42
p0 512.9 ± 0.5648
580
560
540
520
500
480
460
440
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8


cor_asym_sam_15_37_dd_mean vs run
χ² / ndf 48.18 / 42
p0 −55.05 ± 65.61
1500
1000
500
0
−500
−1000
−1500
−2000
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 1151
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5
pull1D
Entries 43
Mean −0.0009483
Std Dev 1.059
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


cor_asym_sam_15_37_dd_rms vs run
χ² / ndf 4007 / 42
p0 42.11 ± 0.0464
56
54
52
50
48
46
44
42
40
38
36
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
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6099. 2
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6102. 1
6102. 2
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6103. 1
6103. 2
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6103. 4
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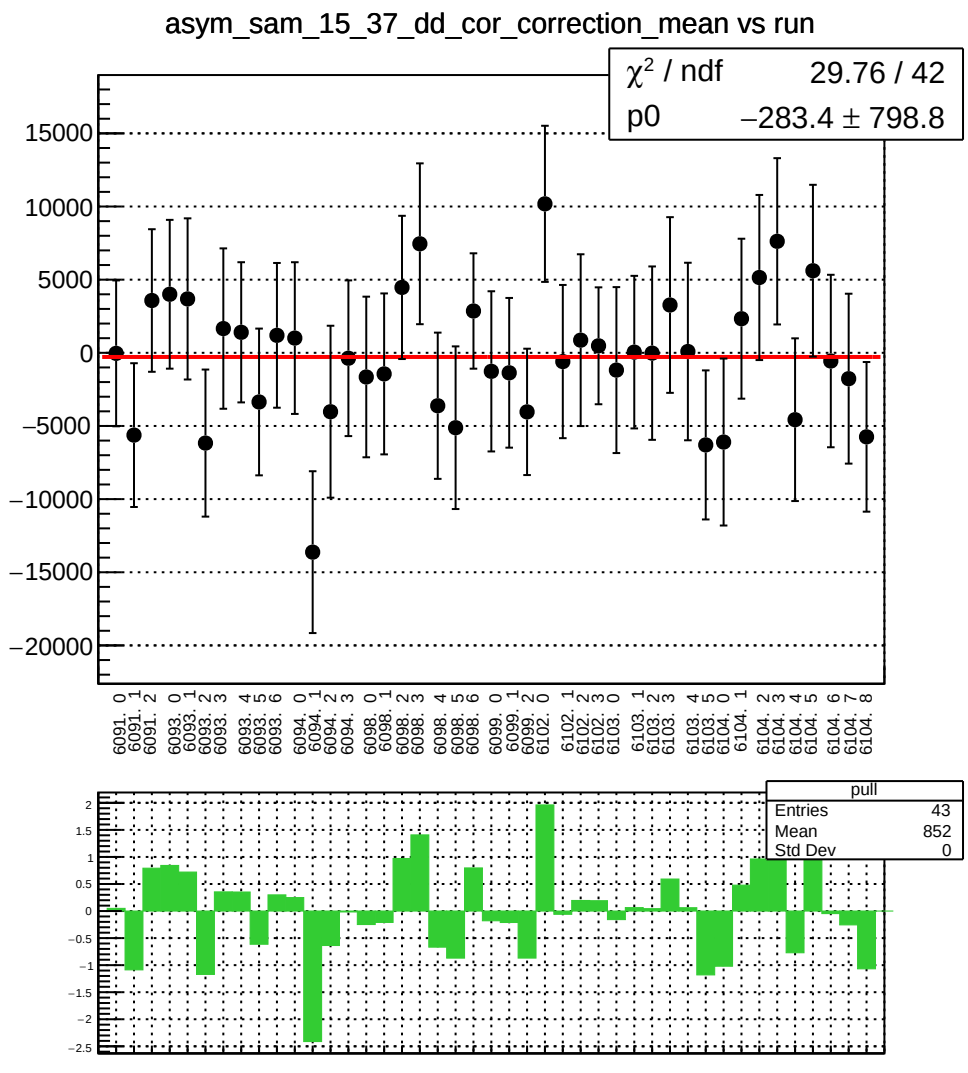
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8


asym_sam_15_37_dd_cor_correction_mean vs run
χ² / ndf 29.76 / 42
p0 −283.4 ± 798.8
15000
10000
5000
0
−5000
−10000
−15000
−20000
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
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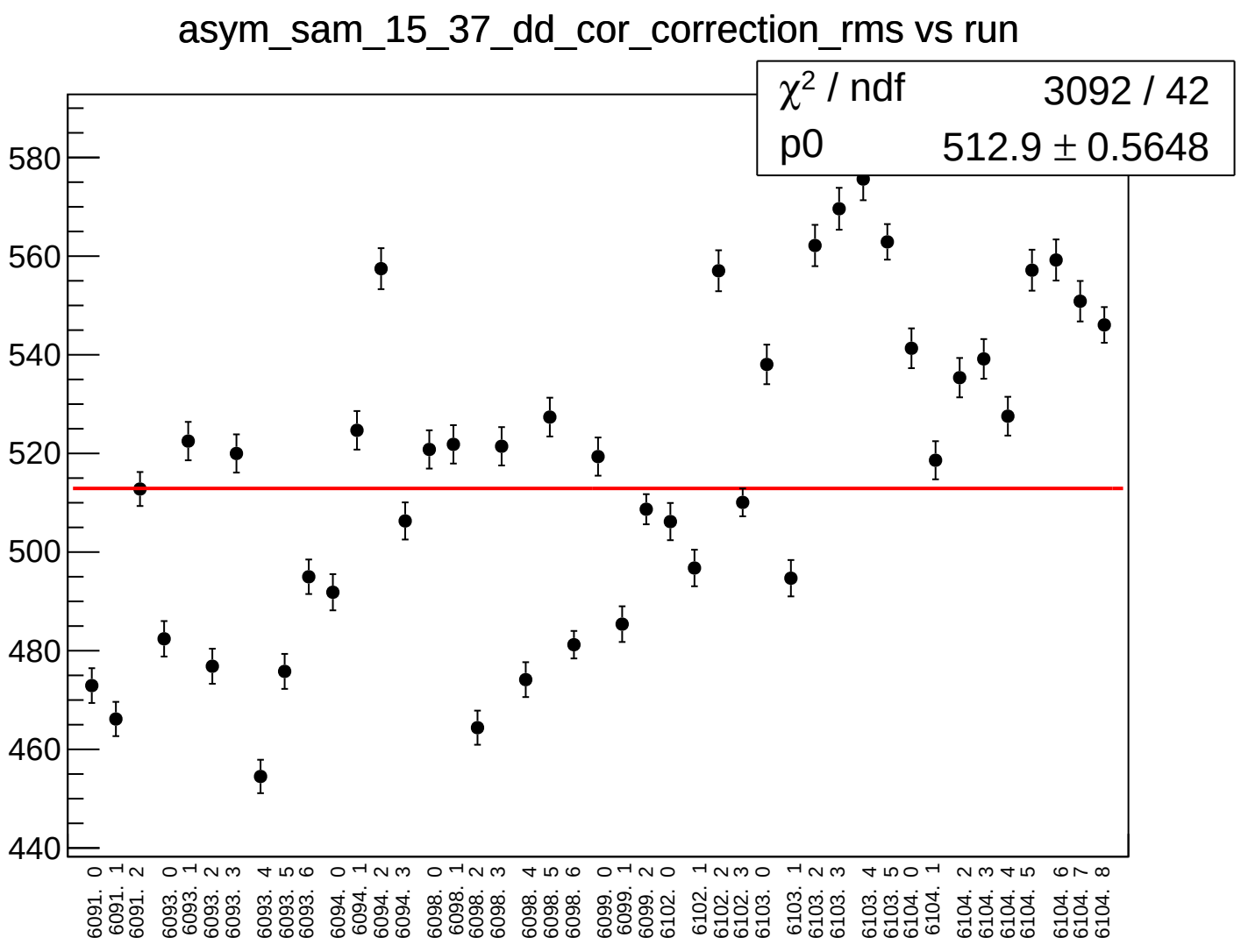
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 852
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5
pull1D
Entries 43
Mean 0.0005197
Std Dev 0.8319
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


asym_sam_15_37_dd_cor_correction_rms vs run
χ² / ndf 3092 / 42
p0 512.9 ± 0.5648
580
560
540
520
500
480
460
440
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
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6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
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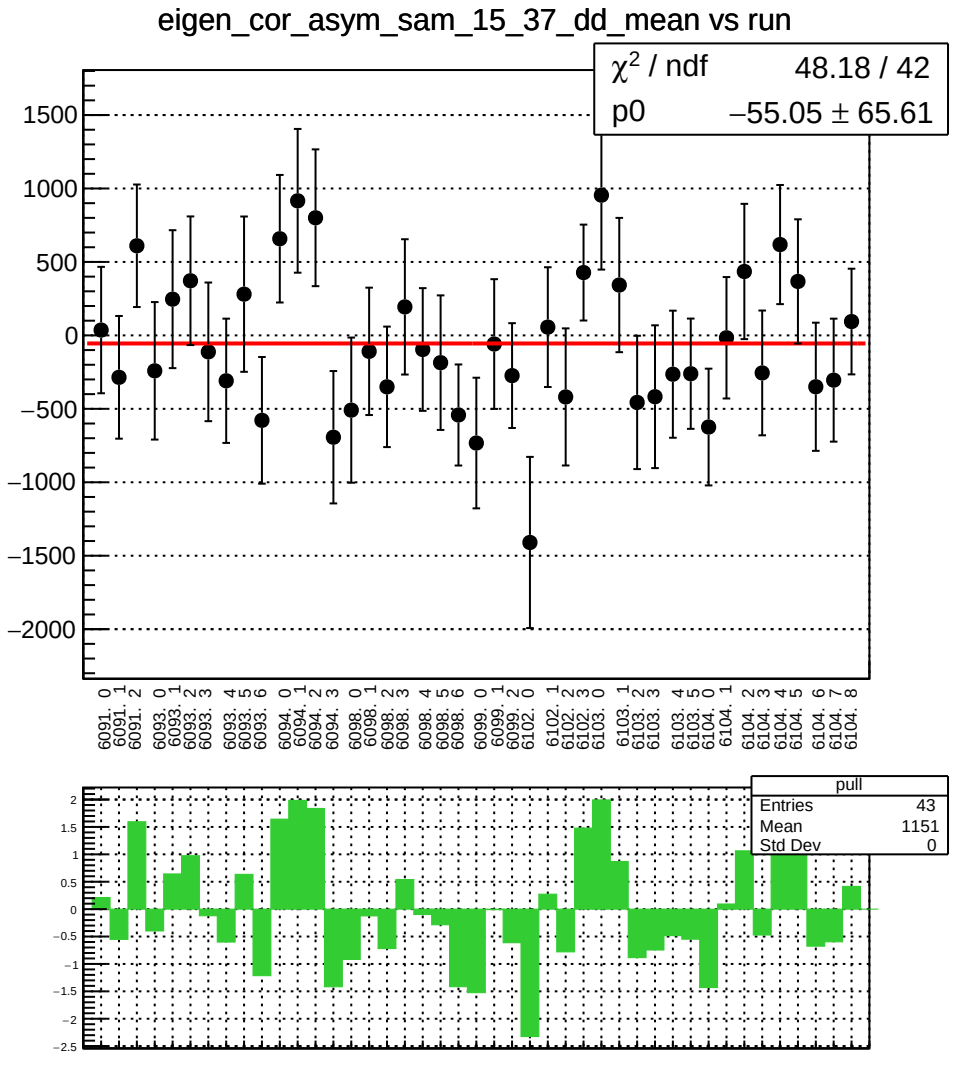
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8


eigen_cor_asym_sam_15_37_dd_mean vs run
χ² / ndf 48.18 / 42
p0 −55.05 ± 65.61
1500
1000
500
0
−500
−1000
−1500
−2000
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
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6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
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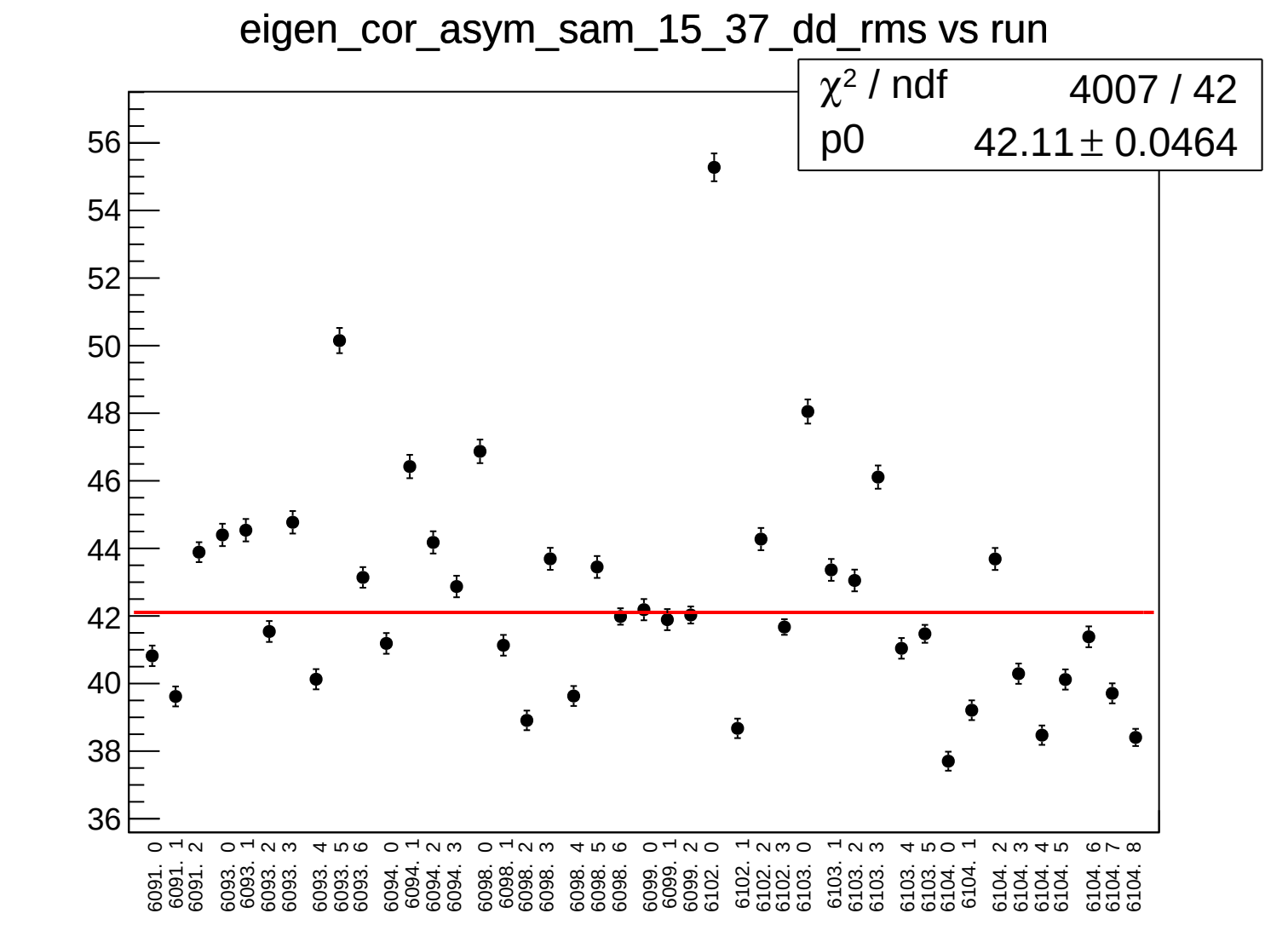
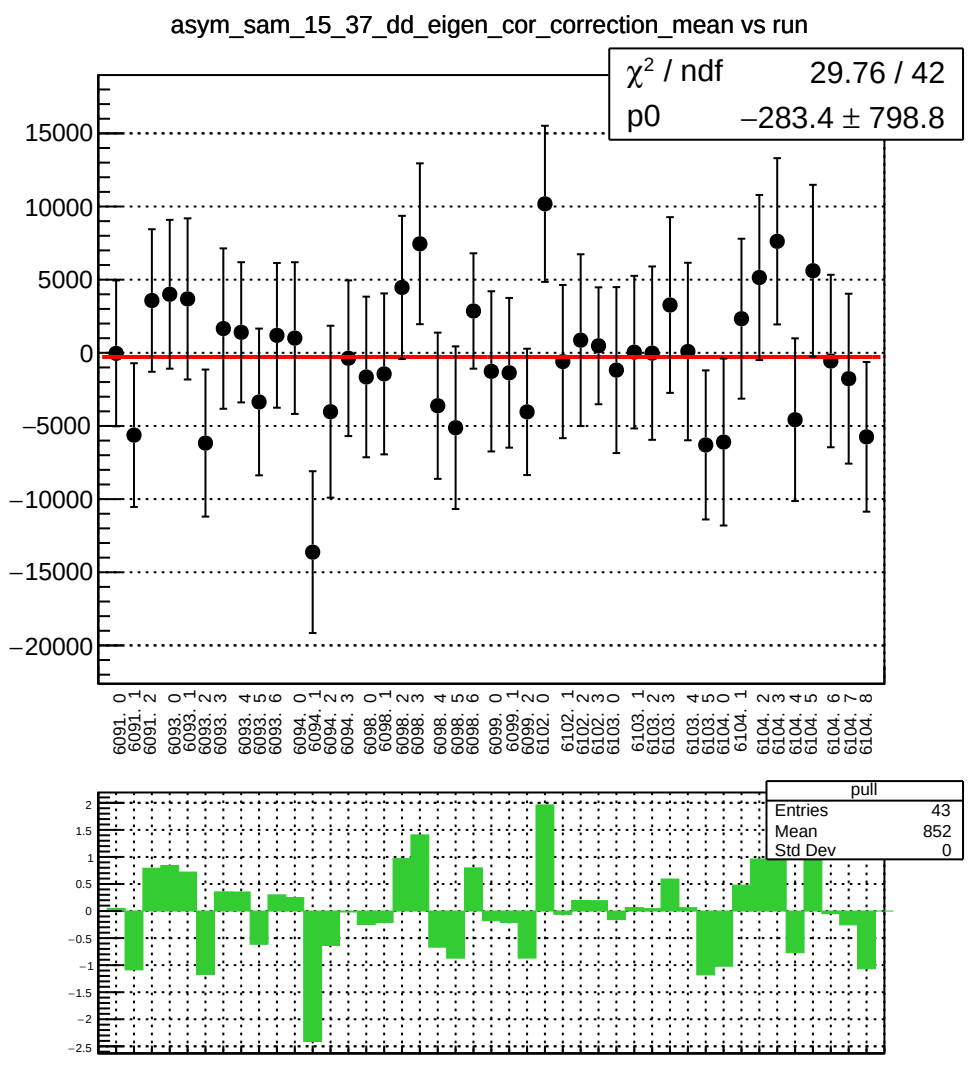
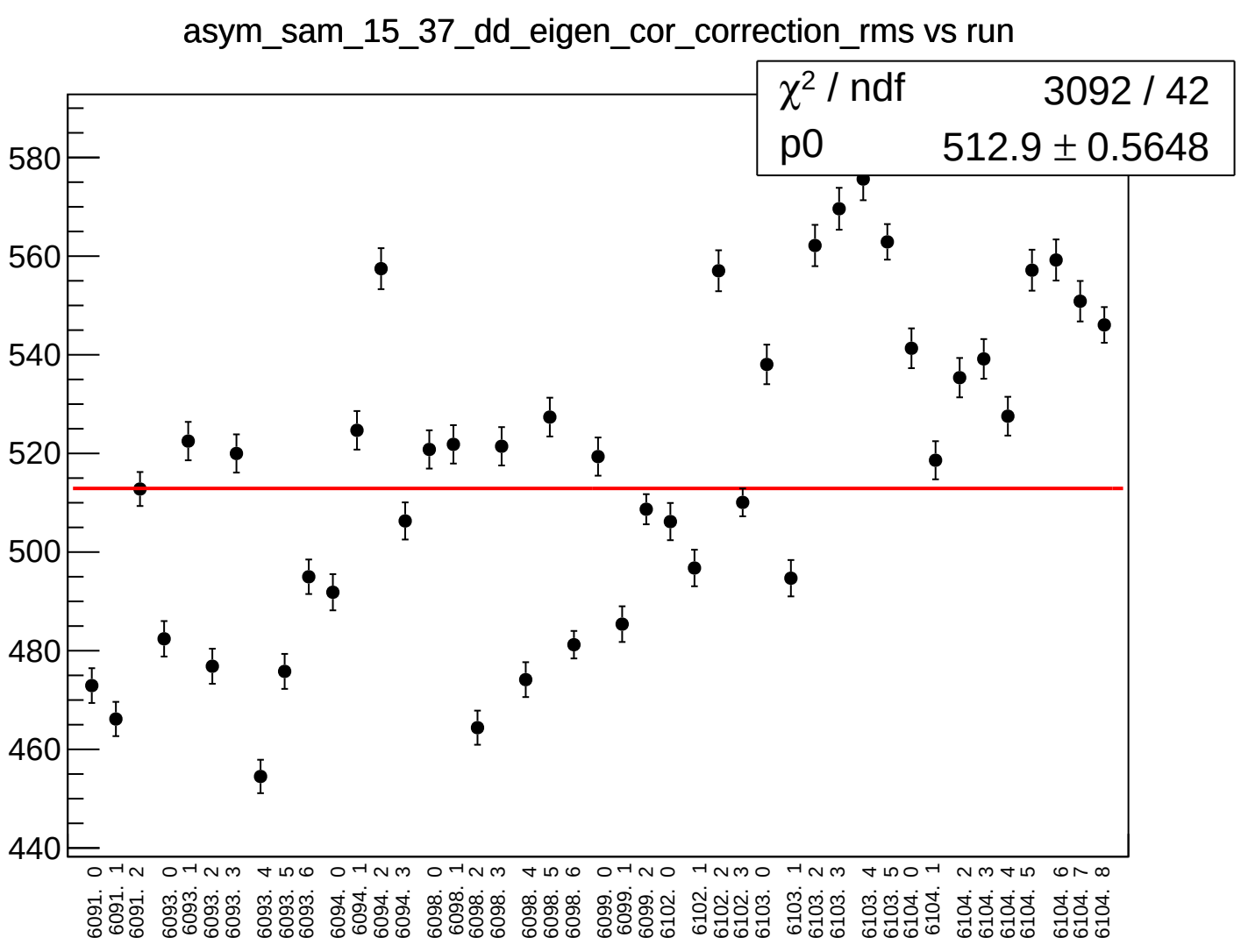
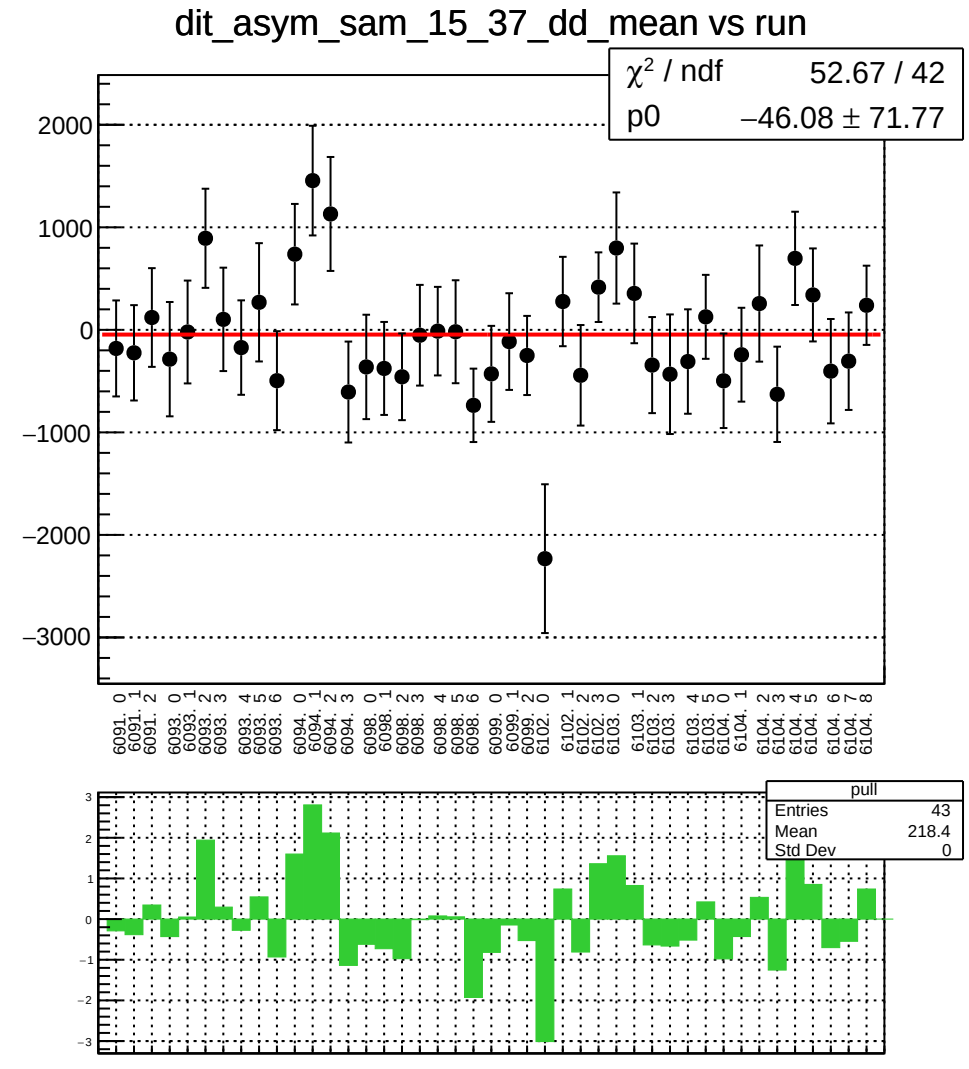
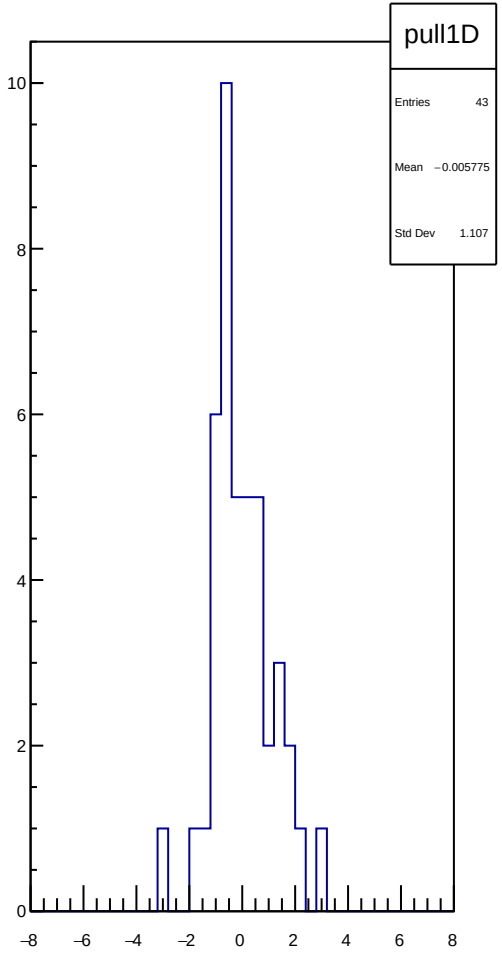
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 1151
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5
pull1D
Entries 43
Mean −0.0009483
Std Dev 1.059
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

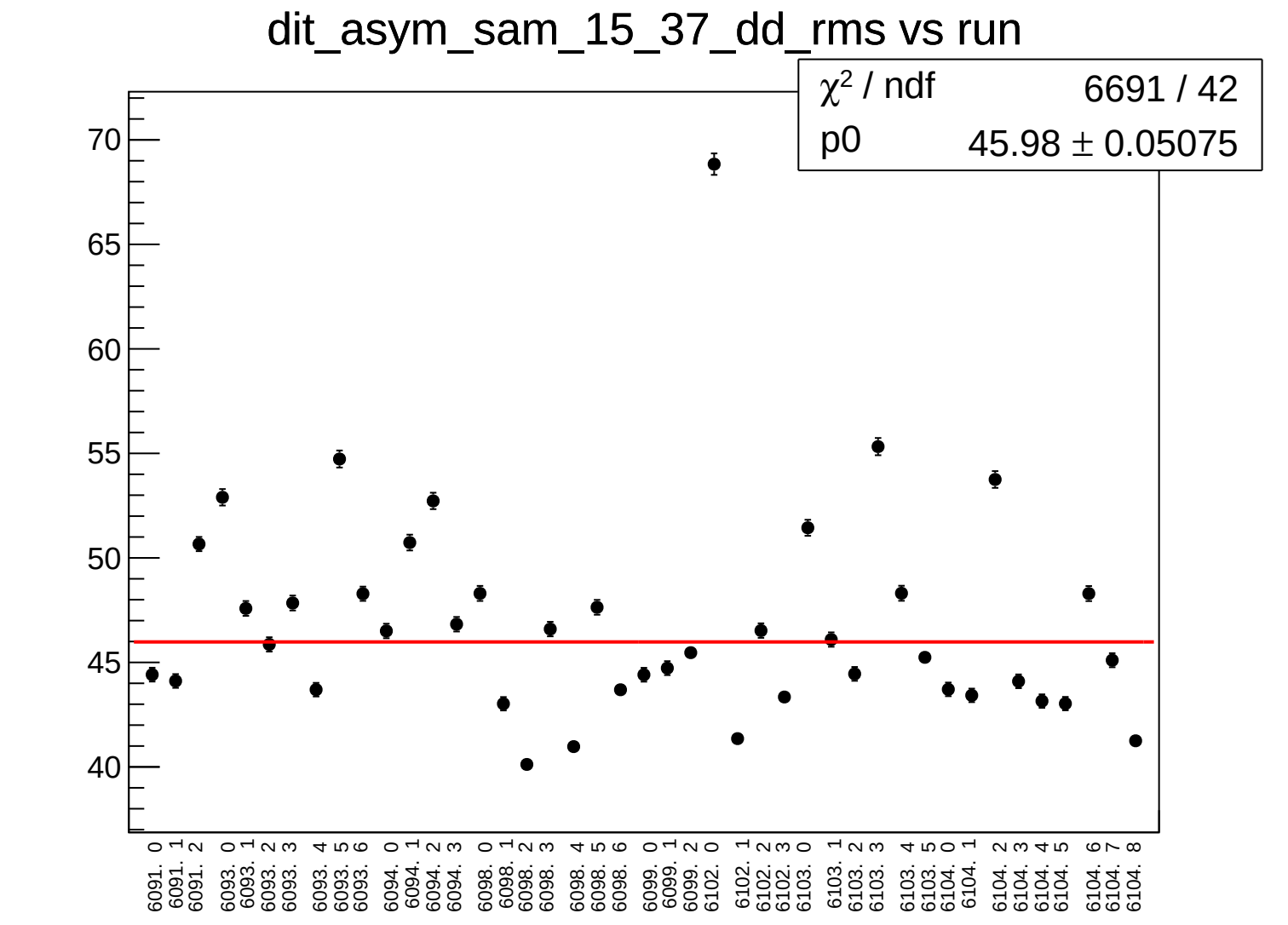

eigen_cor_asym_sam_15_37_dd_rms vs run
χ² / ndf 4007 / 42
p0 42.11 ± 0.0464
56
54
52
50
48
46
44
42
40
38
36
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

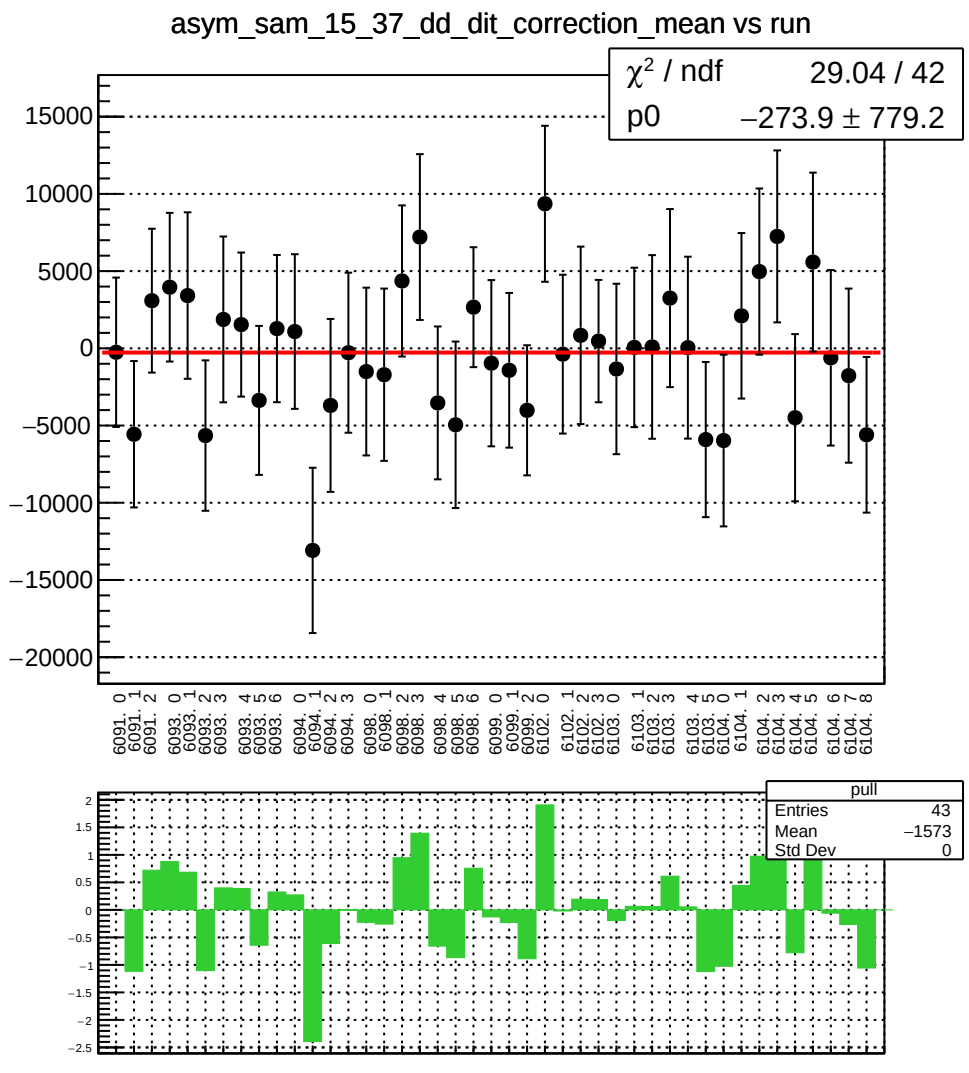

asym_sam_15_37_dd_eigen_cor_correction_mean vs run
χ² / ndf 29.76 / 42
p0 −283.4 ± 798.8
15000
10000
5000
0
−5000
−10000
−15000
−20000
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 852
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5
pull1D
Entries 43
Mean 0.0005197
Std Dev 0.8319
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

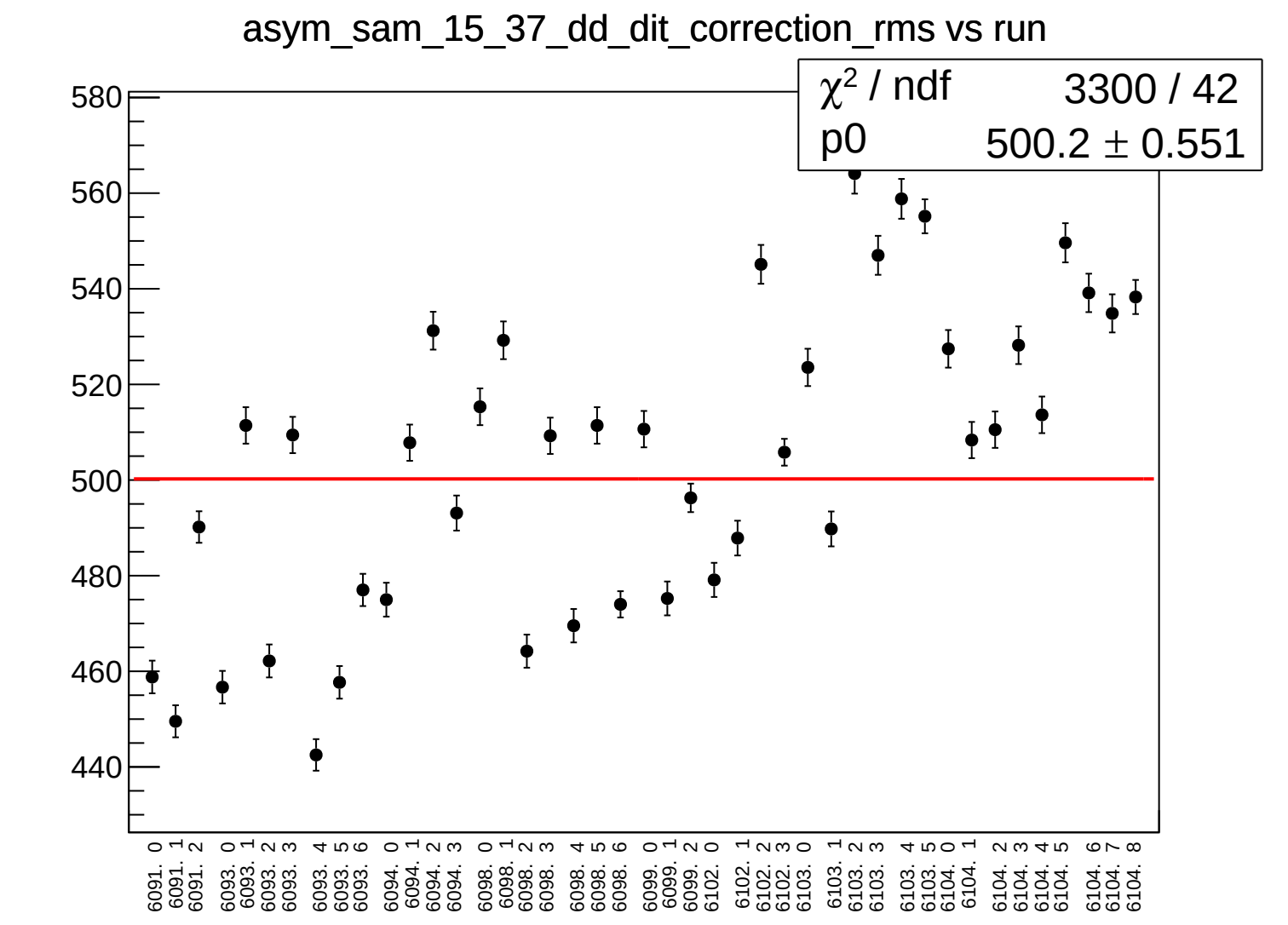

asym_sam_15_37_dd_eigen_cor_correction_rms vs run
χ² / ndf 3092 / 42
p0 512.9 ± 0.5648
580
560
540
520
500
480
460
440
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

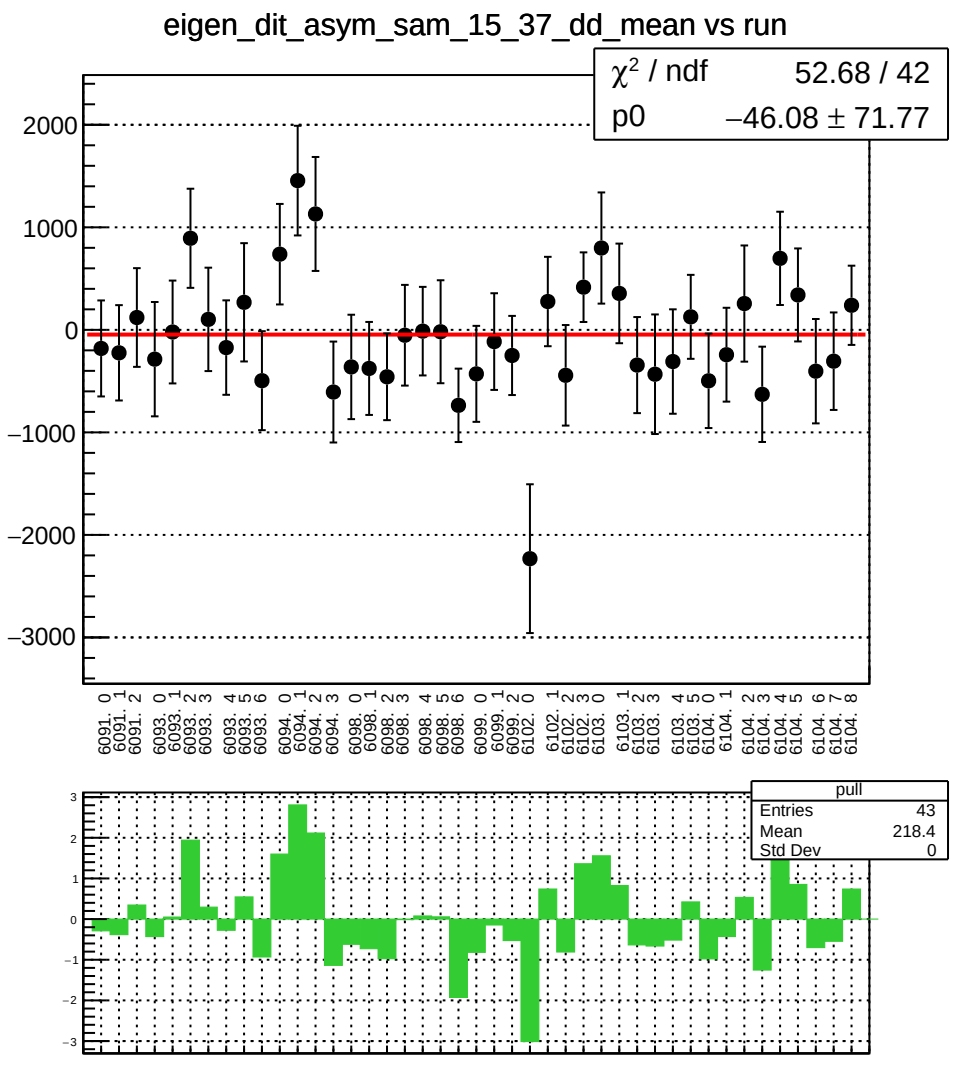

dit_asym_sam_15_37_dd_mean vs run
χ² / ndf 52.67 / 42
p0 −46.08 ± 71.77
2000
1000
0
−1000
−2000
−3000
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 218.4
Std Dev 0
3
2
1
0
−1
−2
−3

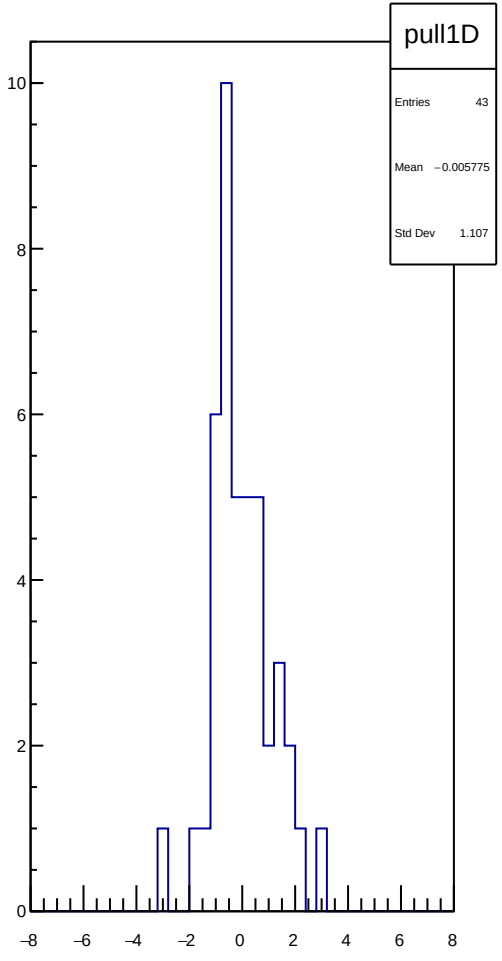

pull1D
Entries 43
Mean −0.005775
Std Dev 1.107
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

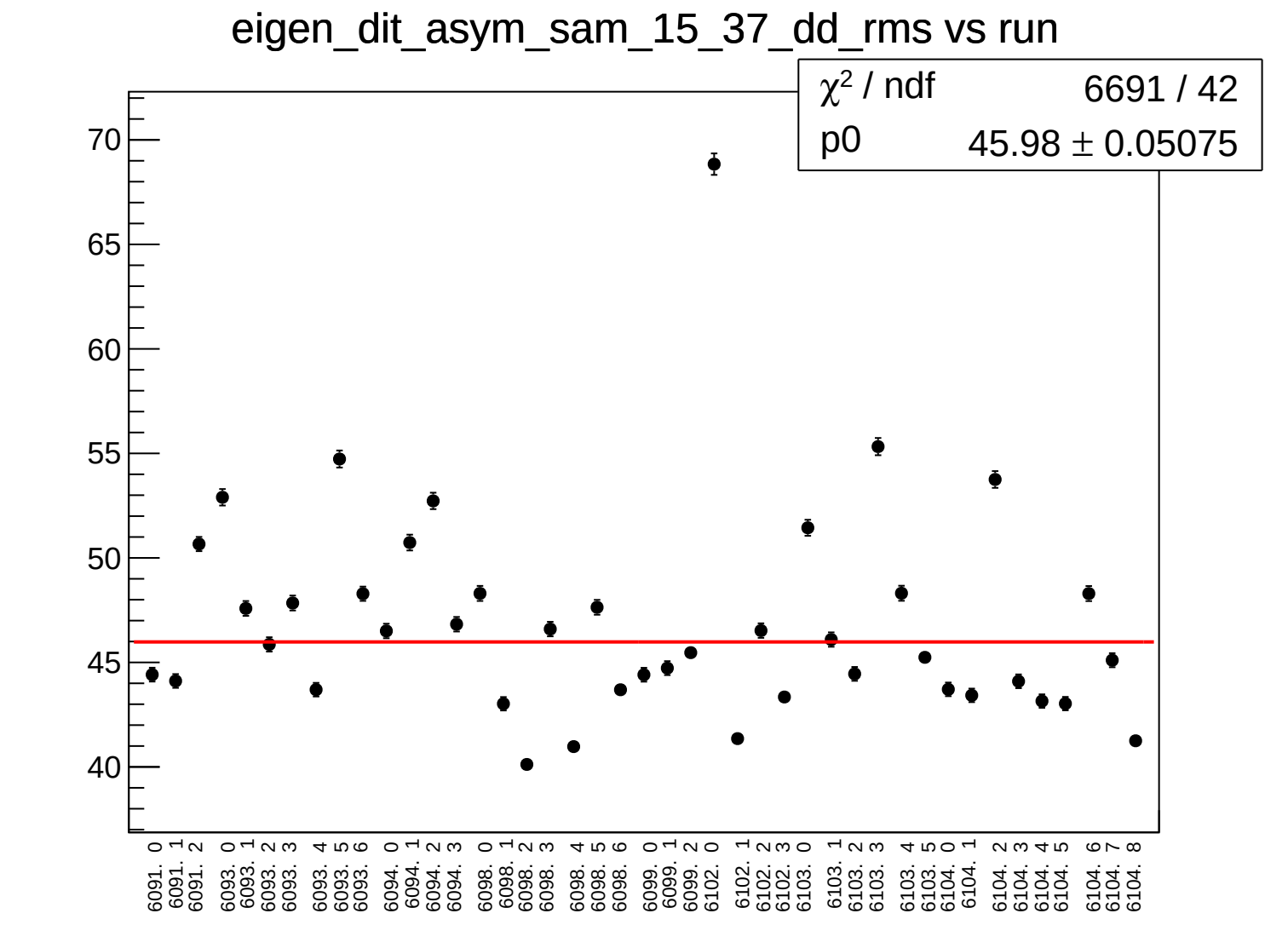

dit_asym_sam_15_37_dd_rms vs run
χ^2 / ndf 6691 / 42
p0 45.98 ± 0.05075
70
65
60
55
50
45
40
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

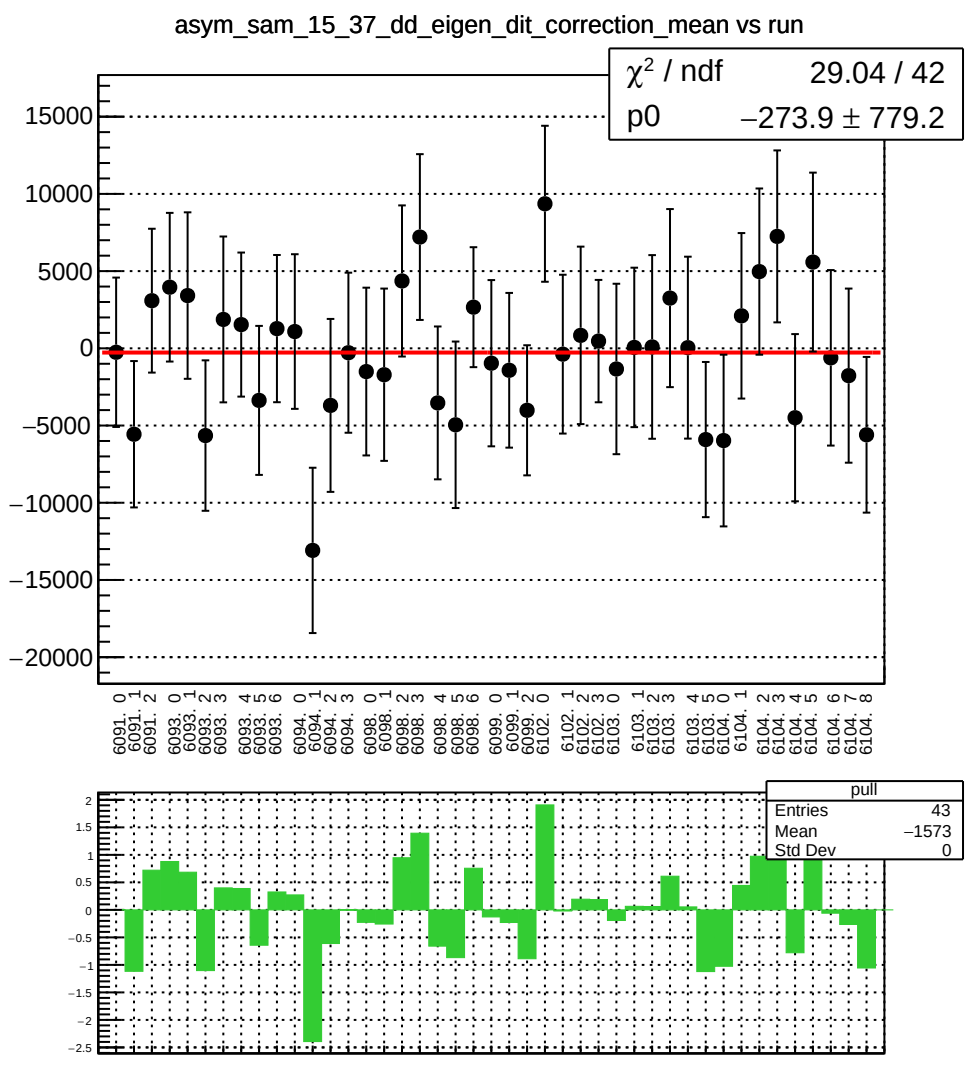

asym_sam_15_37_dd_dit_correction_mean vs run
χ² / ndf 29.04 / 42
p0 −273.9 ± 779.2
15000
10000
5000
0
−5000
−10000
−15000
−20000
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean −1573
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5
pull1D
Entries 43
Mean −0.0002647
Std Dev 0.8217
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

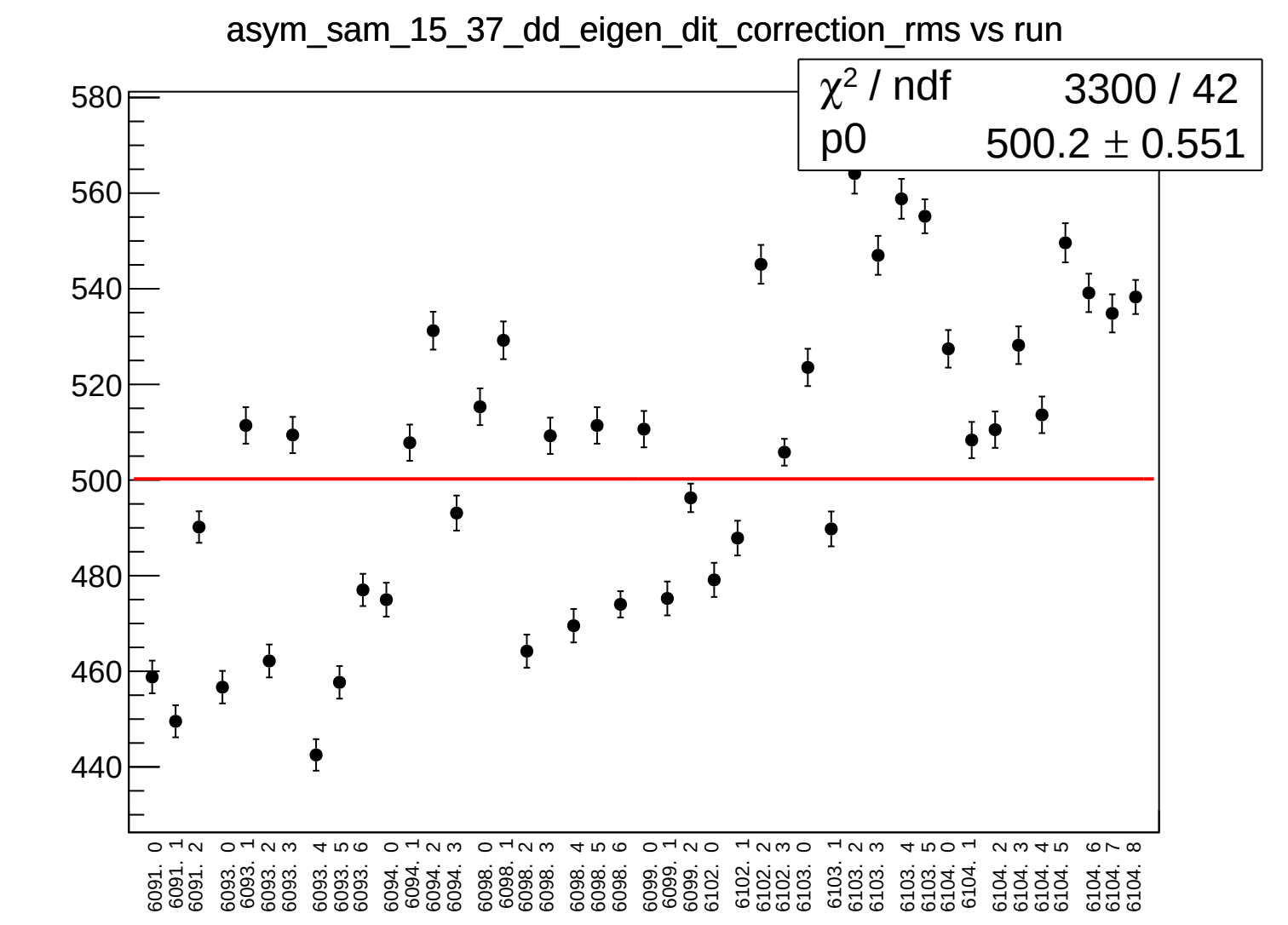

asym_sam_15_37_dd_dit_correction_rms vs run
χ² / ndf 3300 / 42
p0 500.2 ± 0.551
580
560
540
520
500
480
460
440
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

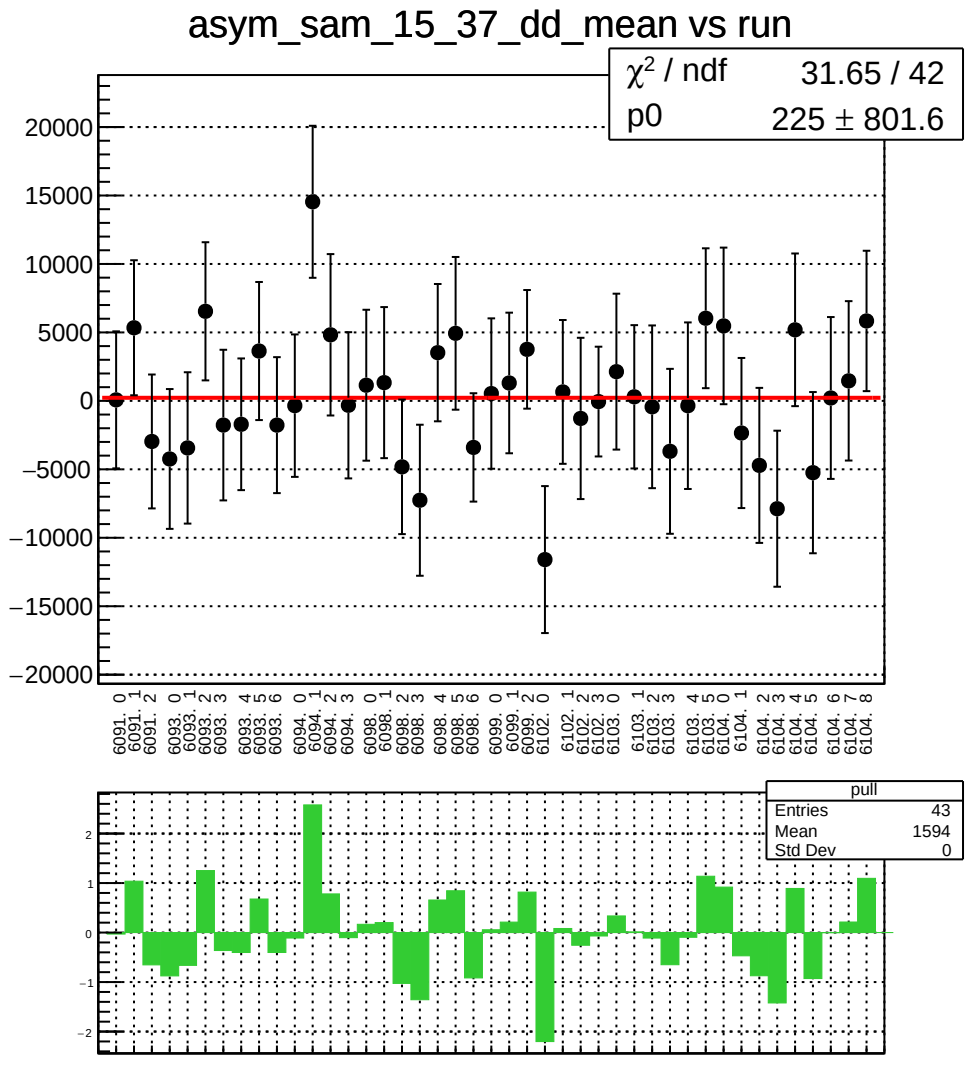

eigen_dit_asym_sam_15_37_dd_mean vs run
χ² / ndf 52.68 / 42
p0 −46.08 ± 71.77
2000
1000
0
−1000
−2000
−3000
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 218.4
Std Dev 0
3
2
1
0
−1
−2
−3

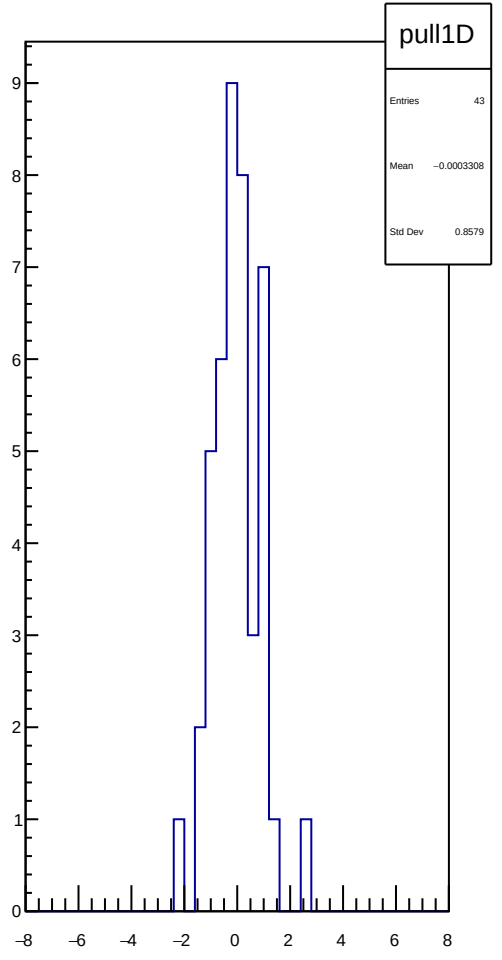

pull1D
Entries 43
Mean −0.005775
Std Dev 1.107
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

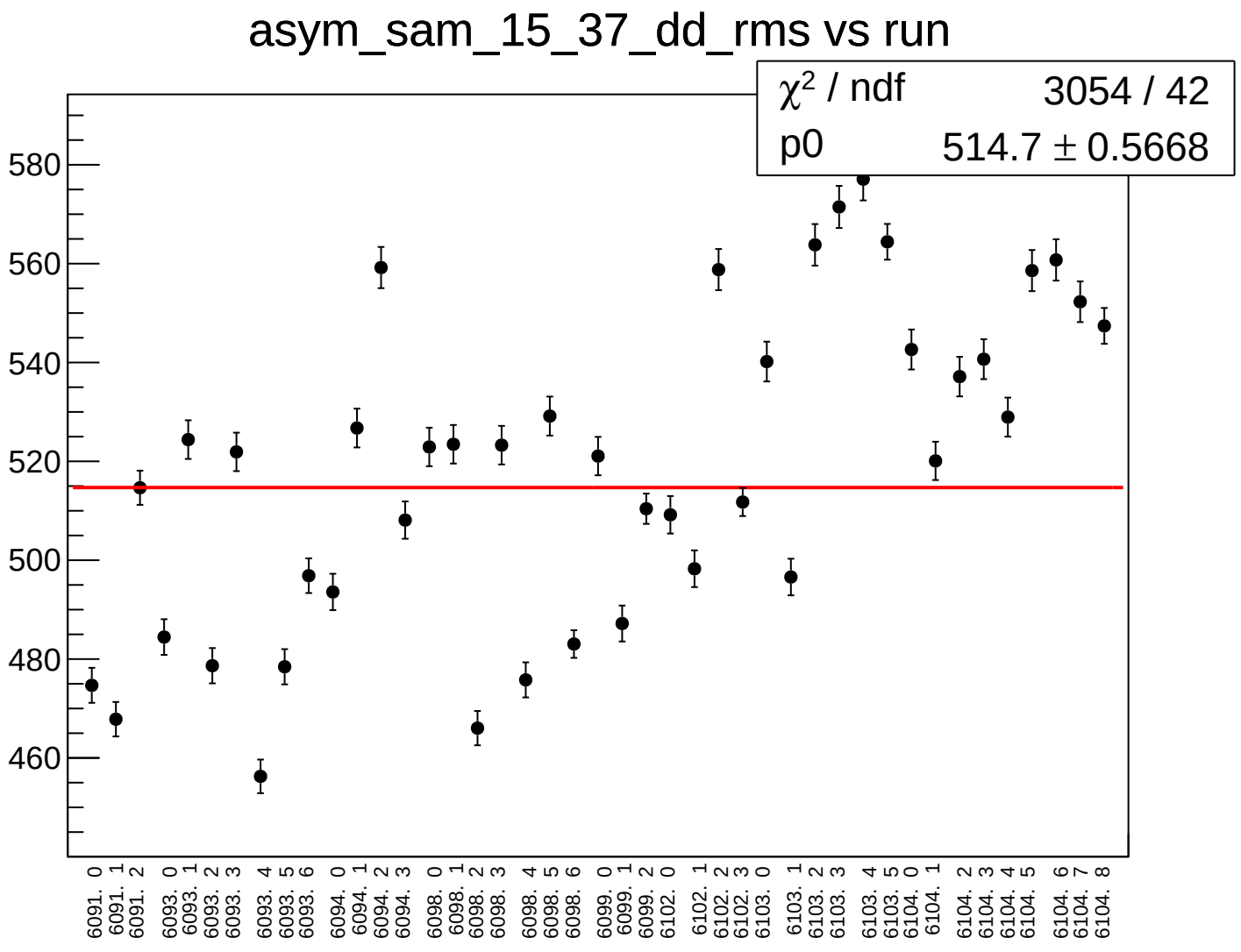

eigen_dit_asym_sam_15_37_dd_rms vs run
χ² / ndf 6691 / 42
p0 45.98 ± 0.05075
70
65
60
55
50
45
40
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

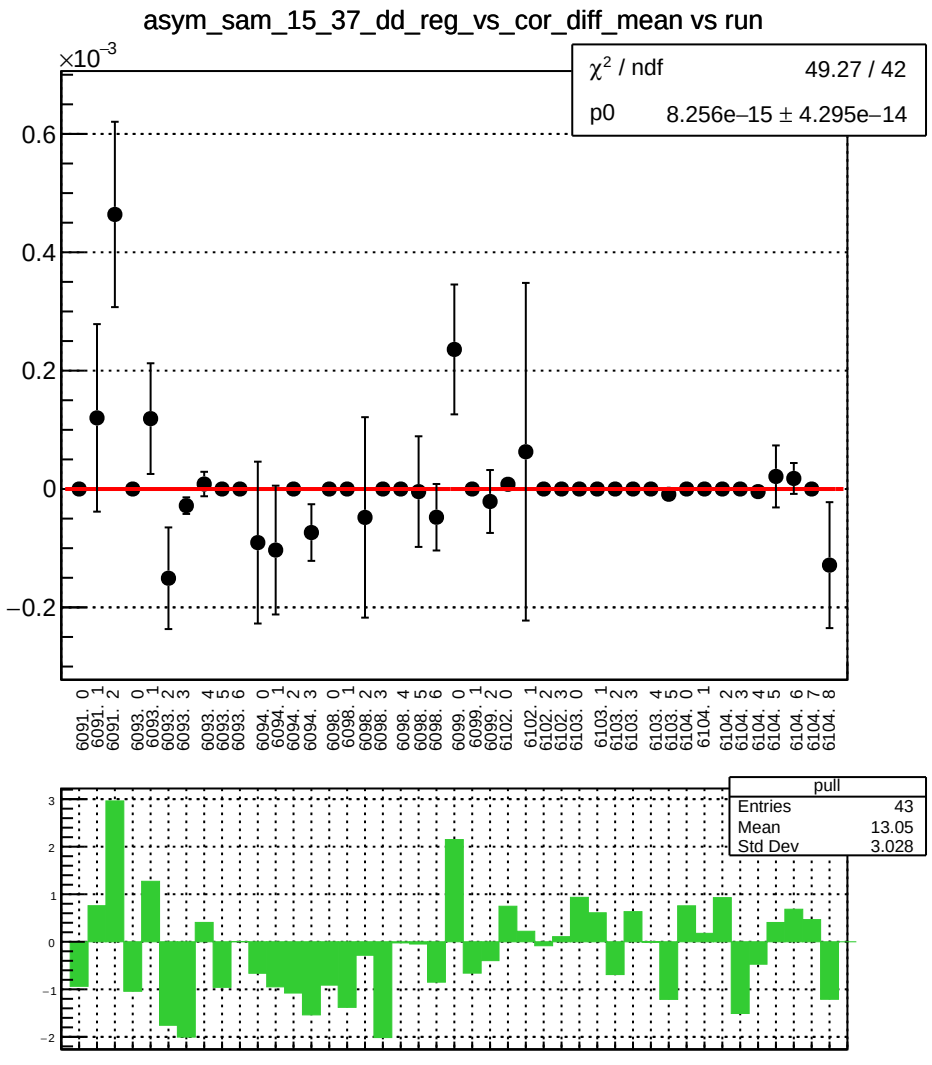

asym_sam_15_37_dd_eigen_dit_correction_mean vs run
χ² / ndf 29.04 / 42
p0 −273.9 ± 779.2
15000
10000
5000
0
−5000
−10000
−15000
−20000
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean −1573
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5
pull1D
Entries 43
Mean −0.0002646
Std Dev 0.8217
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

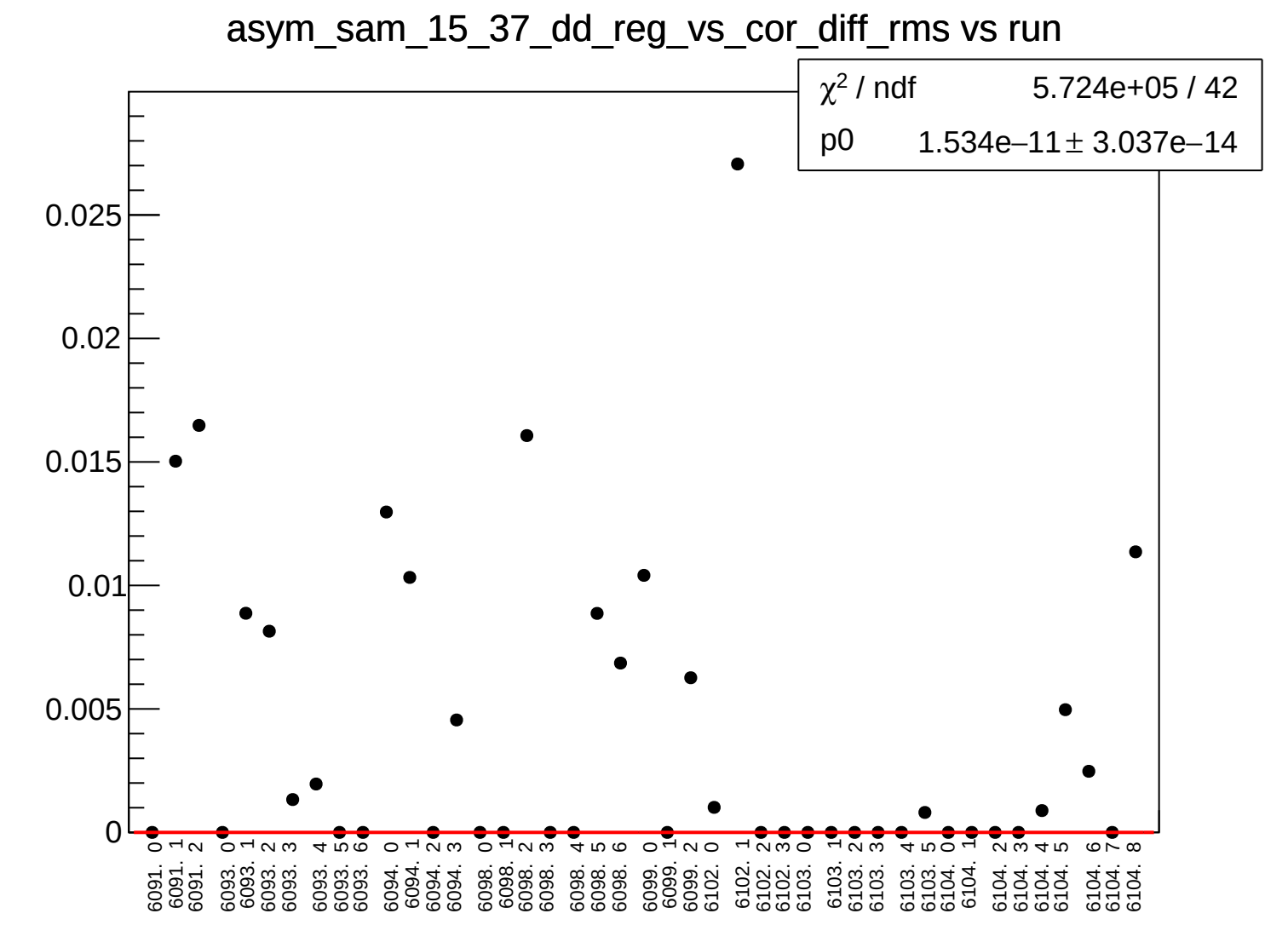

asym_sam_15_37_dd_eigen_dit_correction_rms vs run
χ² / ndf 3300 / 42
p0 500.2 ± 0.551
580
560
540
520
500
480
460
440
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8


asym_sam_15_37_dd_mean vs run
χ² / ndf 31.65 / 42
p0 225 ± 801.6
20000
15000
10000
5000
0
−5000
−10000
−15000
−20000
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 1594
Std Dev 0
2
1
0
−1
−2


pull1D
Entries 43
Mean −0.0003308
Std Dev 0.8579
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


asym_sam_15_37_dd_rms vs run
χ² / ndf 3054 / 42
p0 514.7 ± 0.5668
580
560
540
520
500
480
460
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8


asym_sam_15_37_dd_reg_vs_cor_diff_mean vs run
×10⁻³
χ² / ndf 49.27 / 42
p0 8.256e−15 ± 4.295e−14
0.6
0.4
0.2
0
−0.2
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 13.05
Std Dev 3.028
3
2
1
0
−1
−2
pull1D
Entries 43
Mean −0.1962
Std Dev 1.052
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


asym_sam_15_37_dd_reg_vs_cor_diff_rms vs run
χ² / ndf 5.724e+05 / 42
p0 1.534e−11 ± 3.037e−14
0.025
0.02
0.015
0.01
0.005
0
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
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6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
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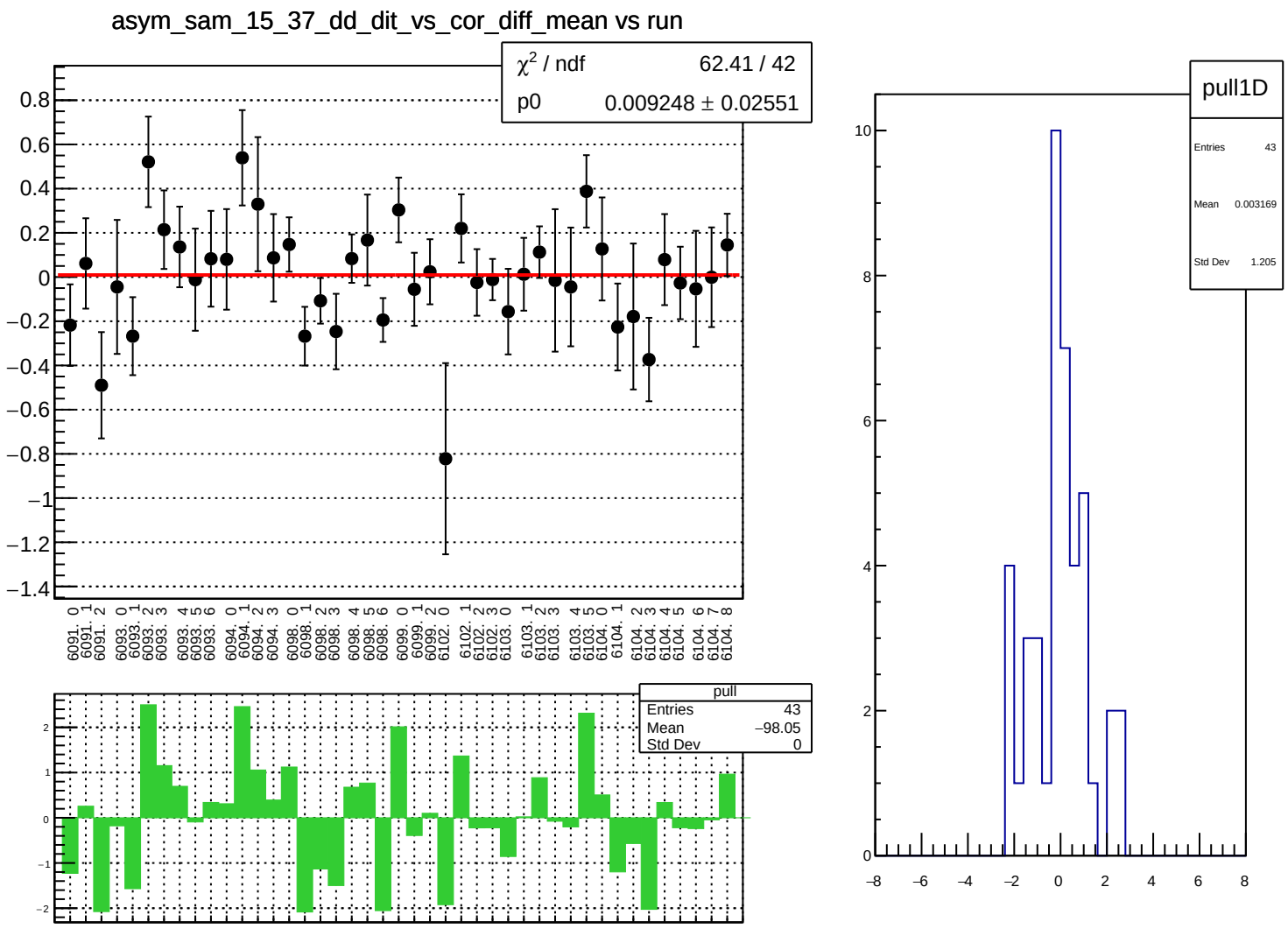
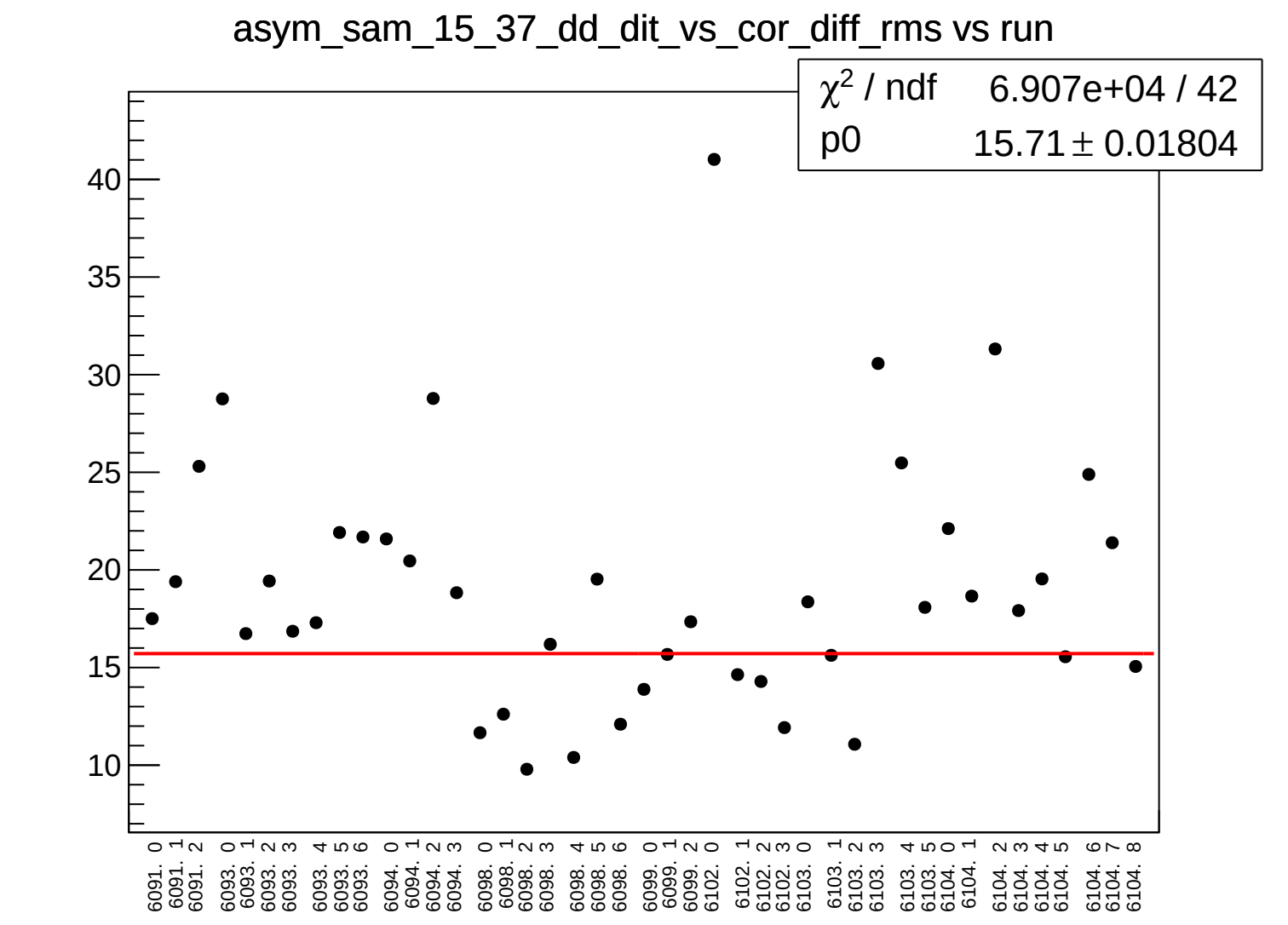
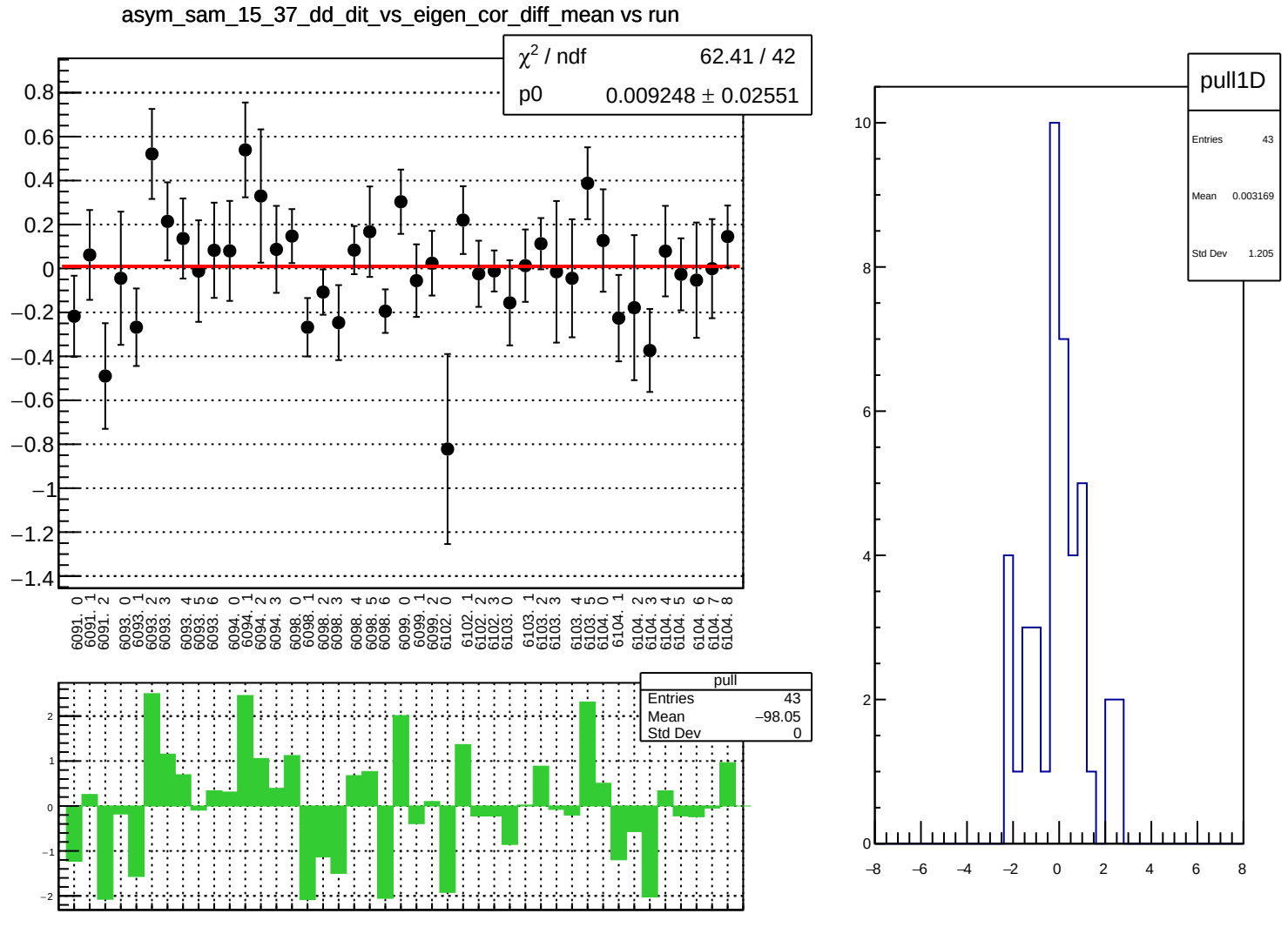
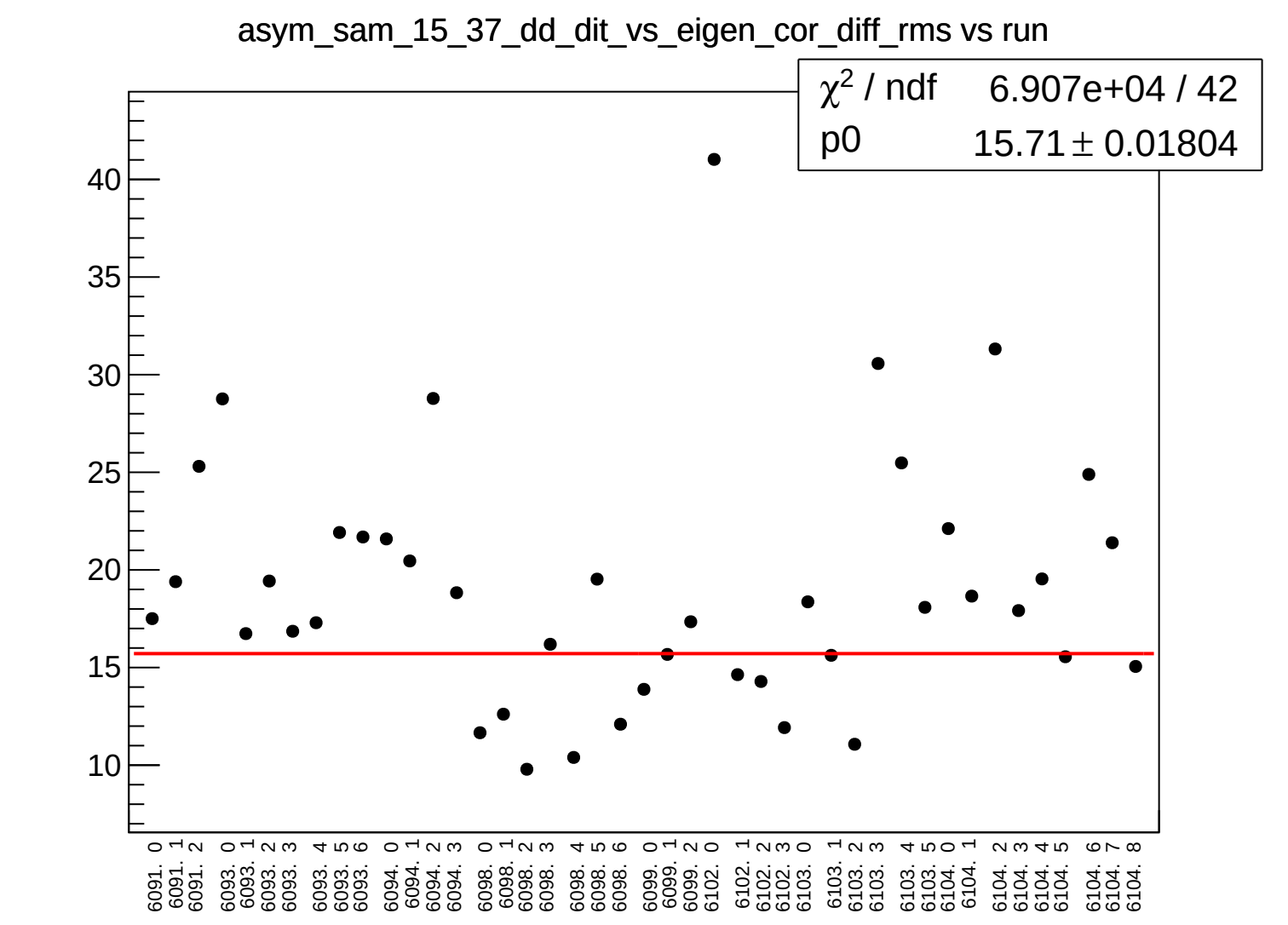
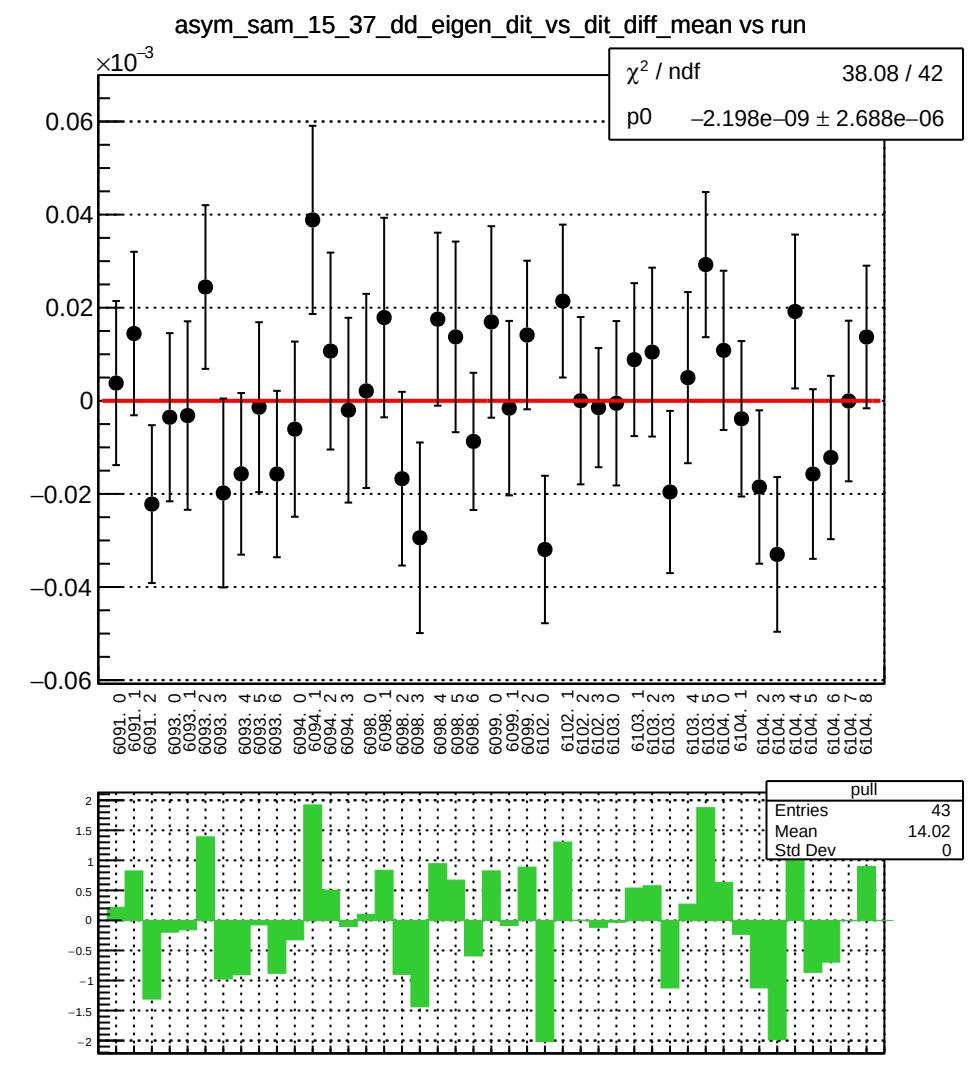
6104. 8

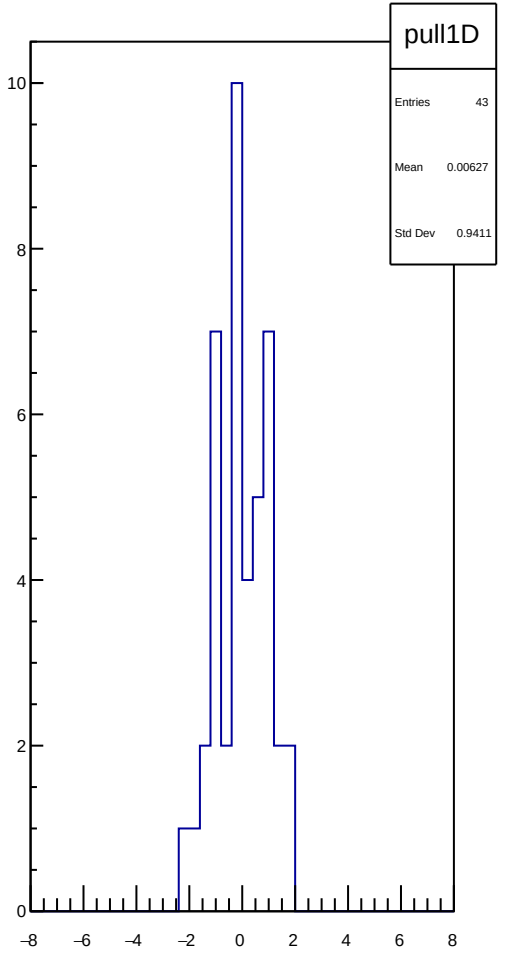

asym_sam_15_37_dd_dit_vs_cor_diff_mean vs run
χ² / ndf 62.41 / 42
p0 0.009248 ± 0.02551
pull
Entries 43
Mean −98.05
Std Dev 0
pull1D
Entries 43
Mean 0.003169
Std Dev 1.205

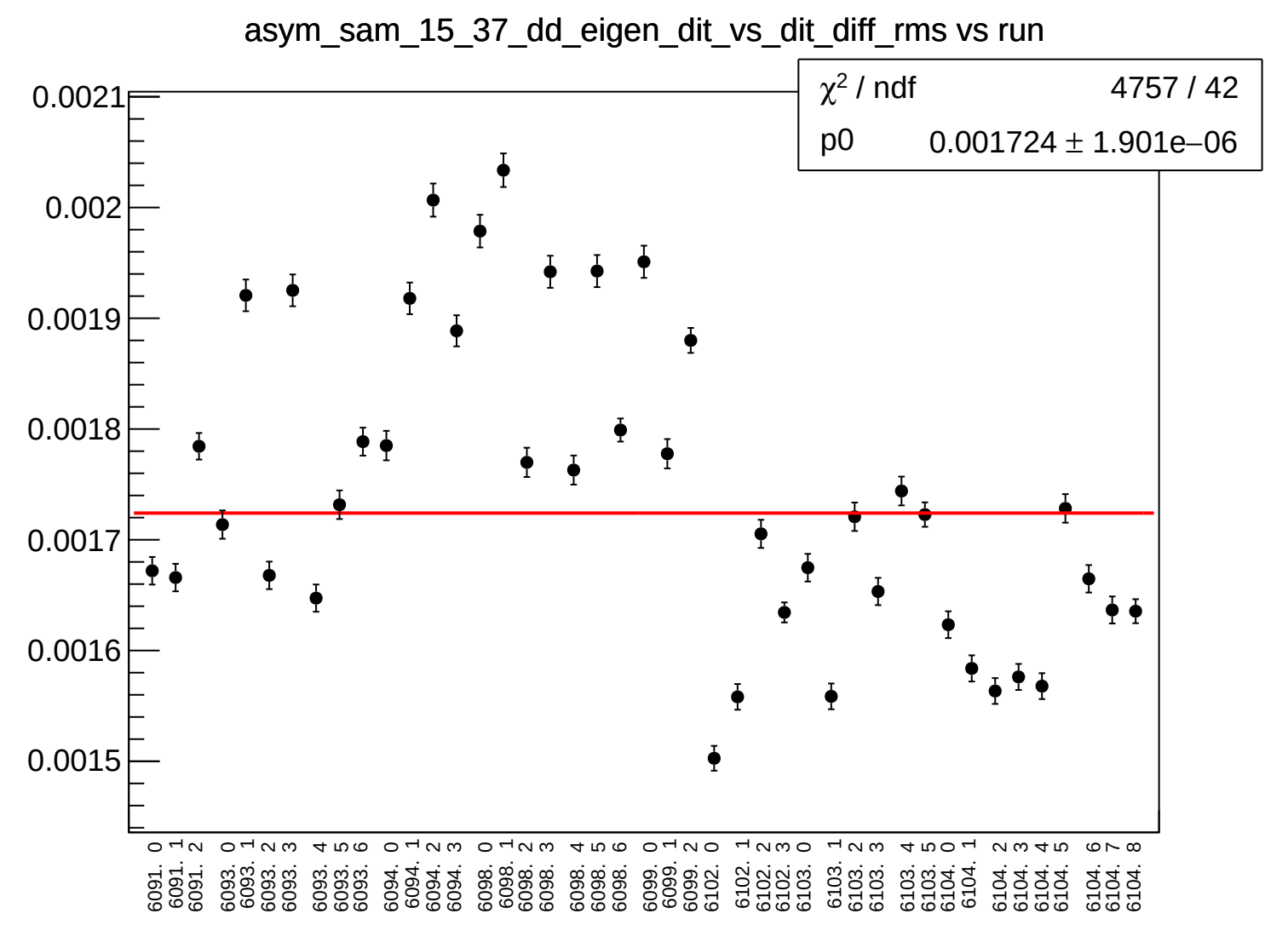

asym_sam_15_37_dd_dit_vs_cor_diff_rms vs run
χ² / ndf 6.907e+04 / 42
p0 15.71 ± 0.01804
40
35
30
25
20
15
10
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

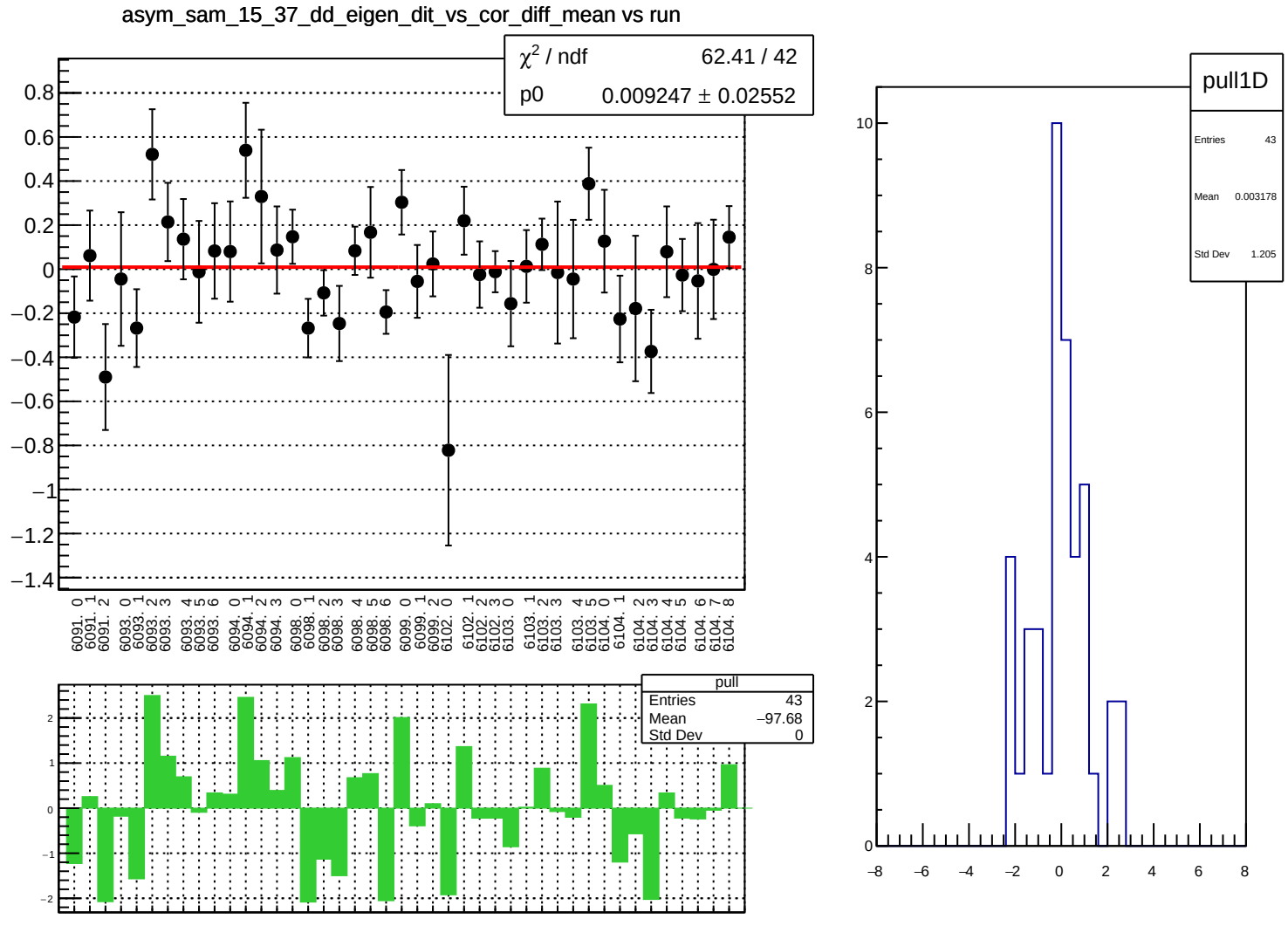

asym_sam_15_37_dd_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 62.41 / 42
p0 0.009248 ± 0.02551
pull
Entries 43
Mean −98.05
Std Dev 0
pull1D
Entries 43
Mean 0.003169
Std Dev 1.205

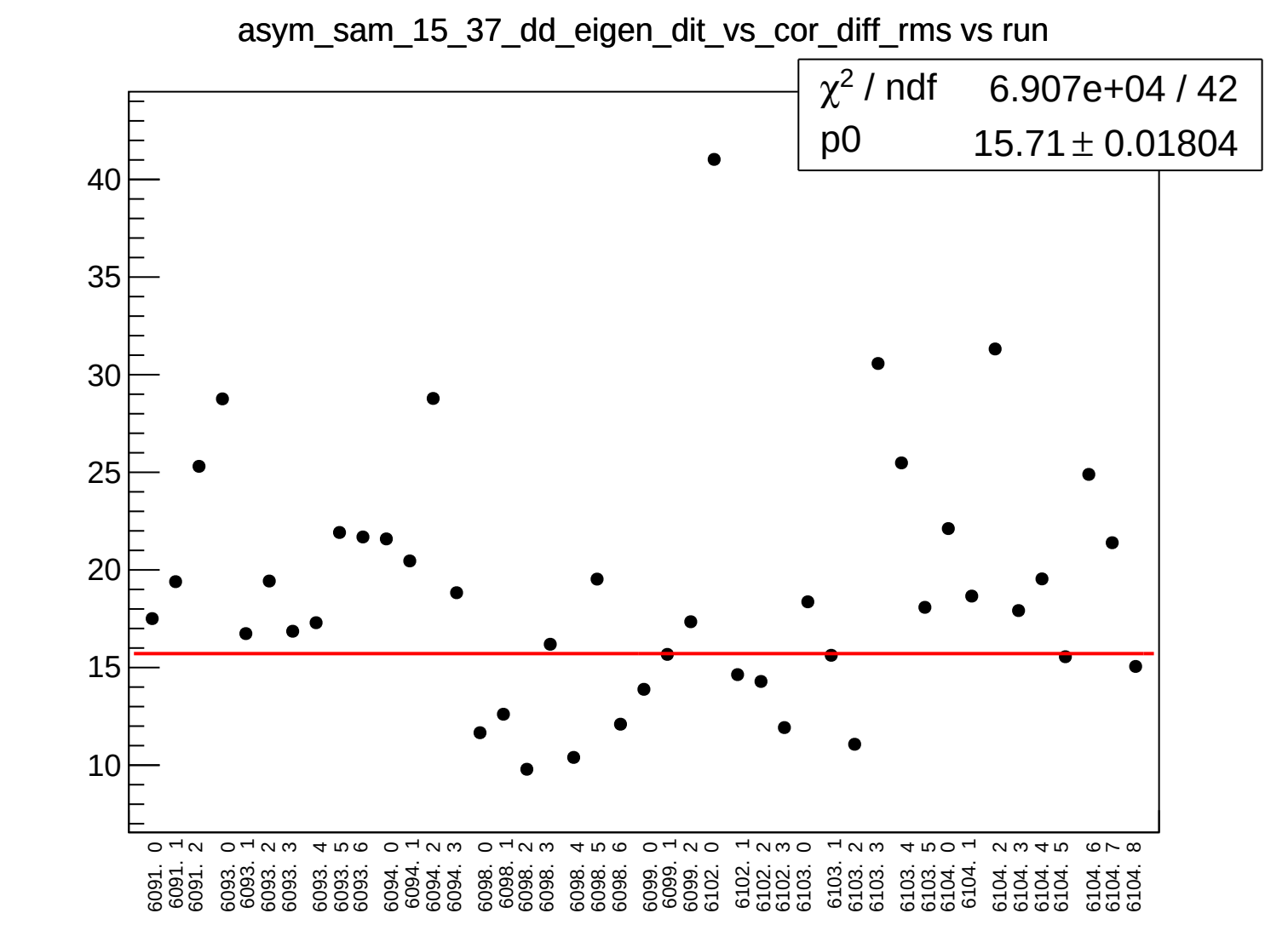

asym_sam_15_37_dd_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 6.907e+04 / 42
p0 15.71 ± 0.01804
40
35
30
25
20
15
10
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

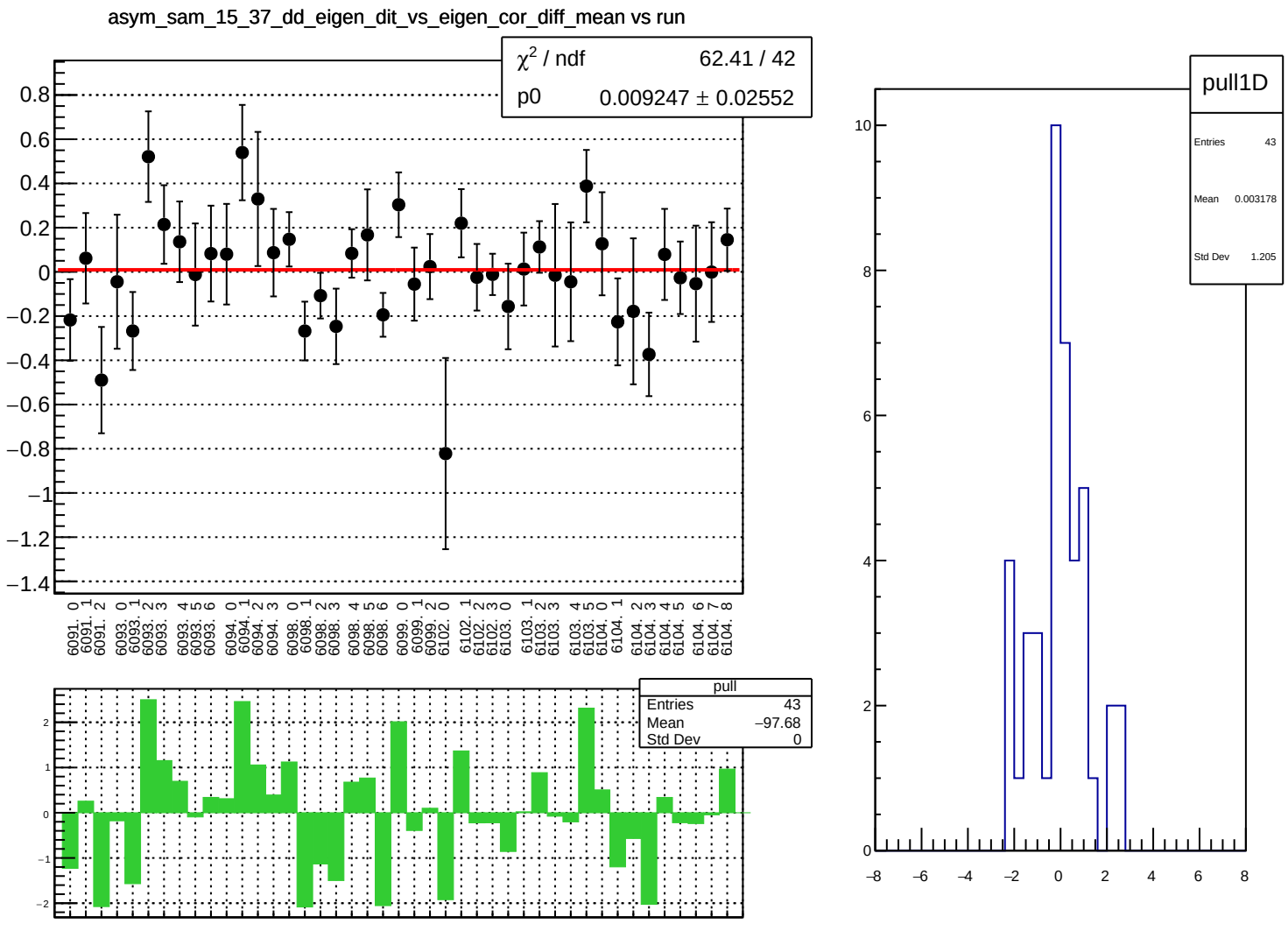

asym_sam_15_37_dd_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 38.08 / 42
p0 −2.198e−09 ± 2.688e−06
0.06
0.04
0.02
0
−0.02
−0.04
−0.06
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 14.02
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

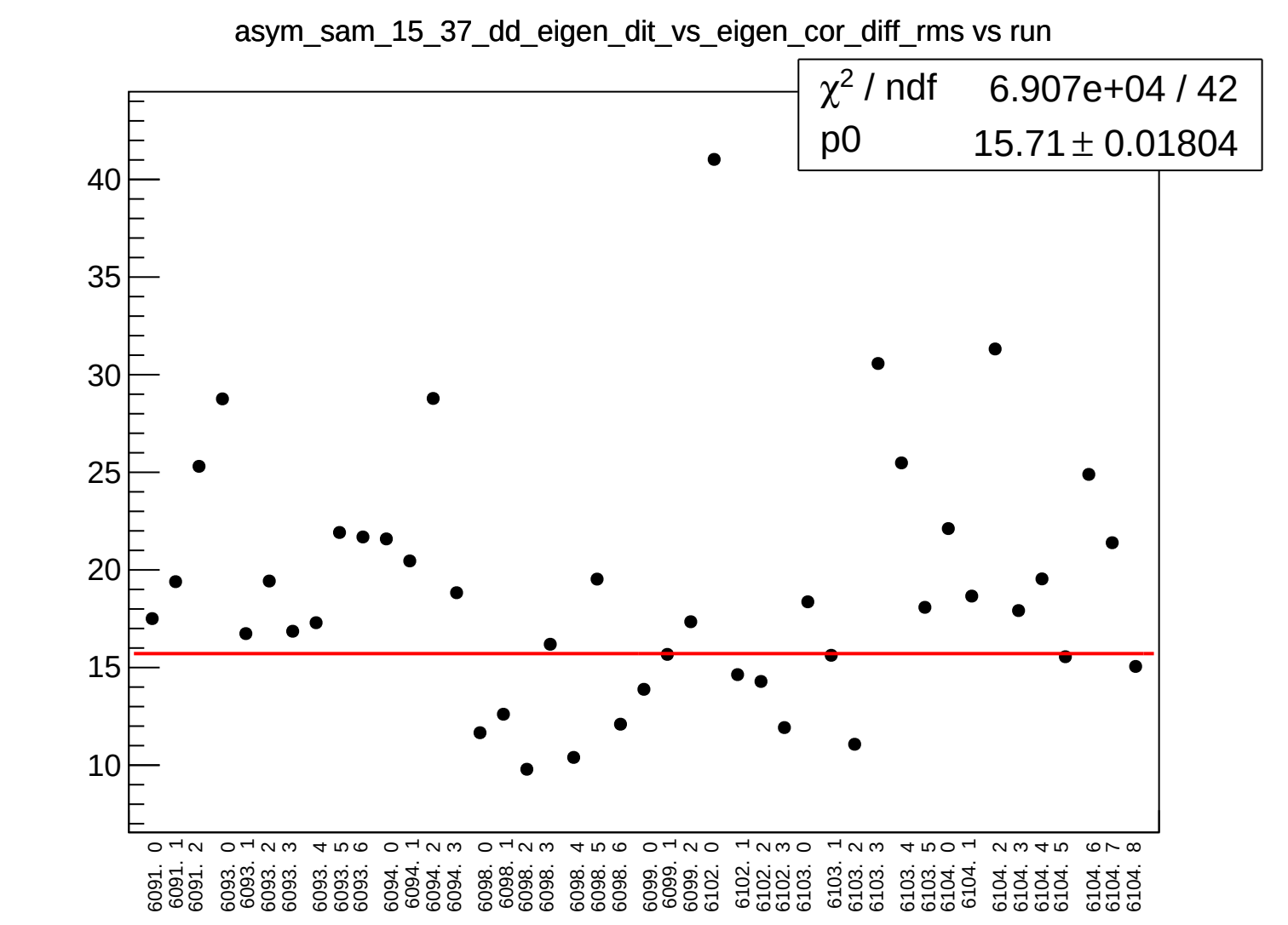

pull1D
Entries 43
Mean 0.00627
Std Dev 0.9411
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

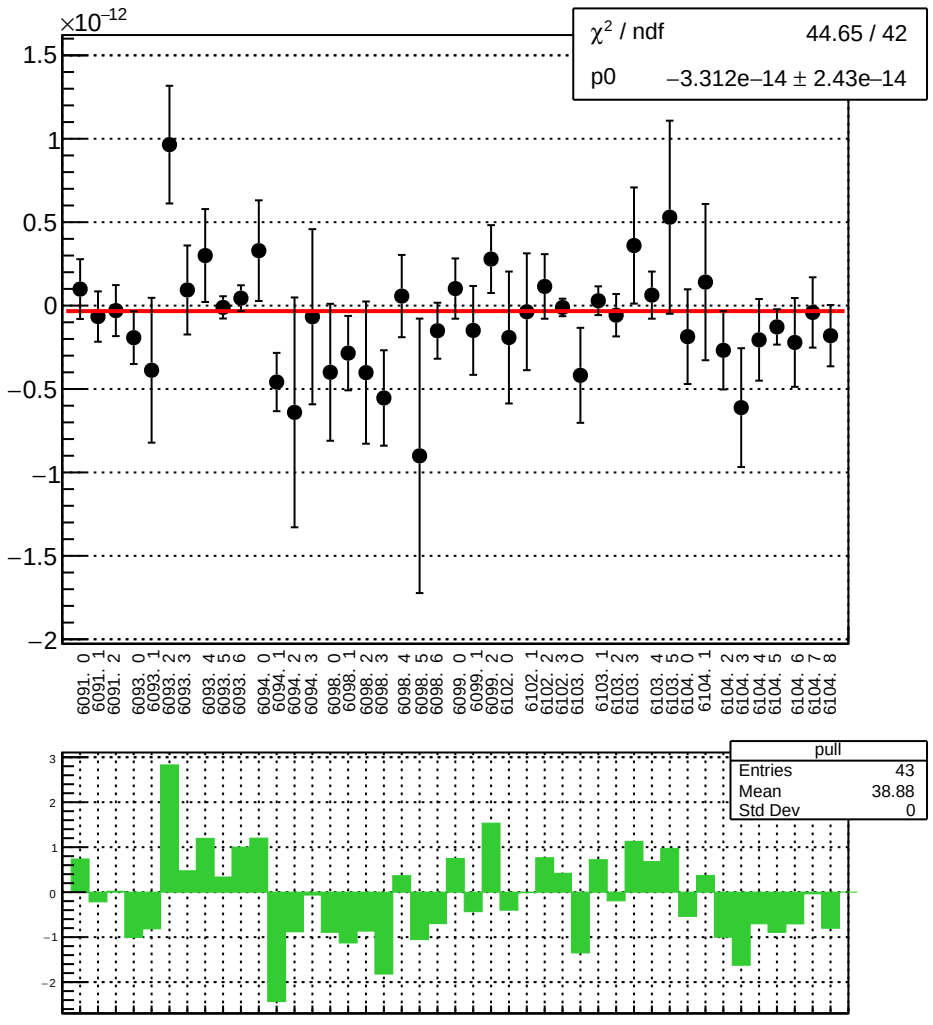

asym_sam_15_37_dd_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 4757 / 42
p0 0.001724 ± 1.901e−06
0.0021
0.002
0.0019
0.0018
0.0017
0.0016
0.0015
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

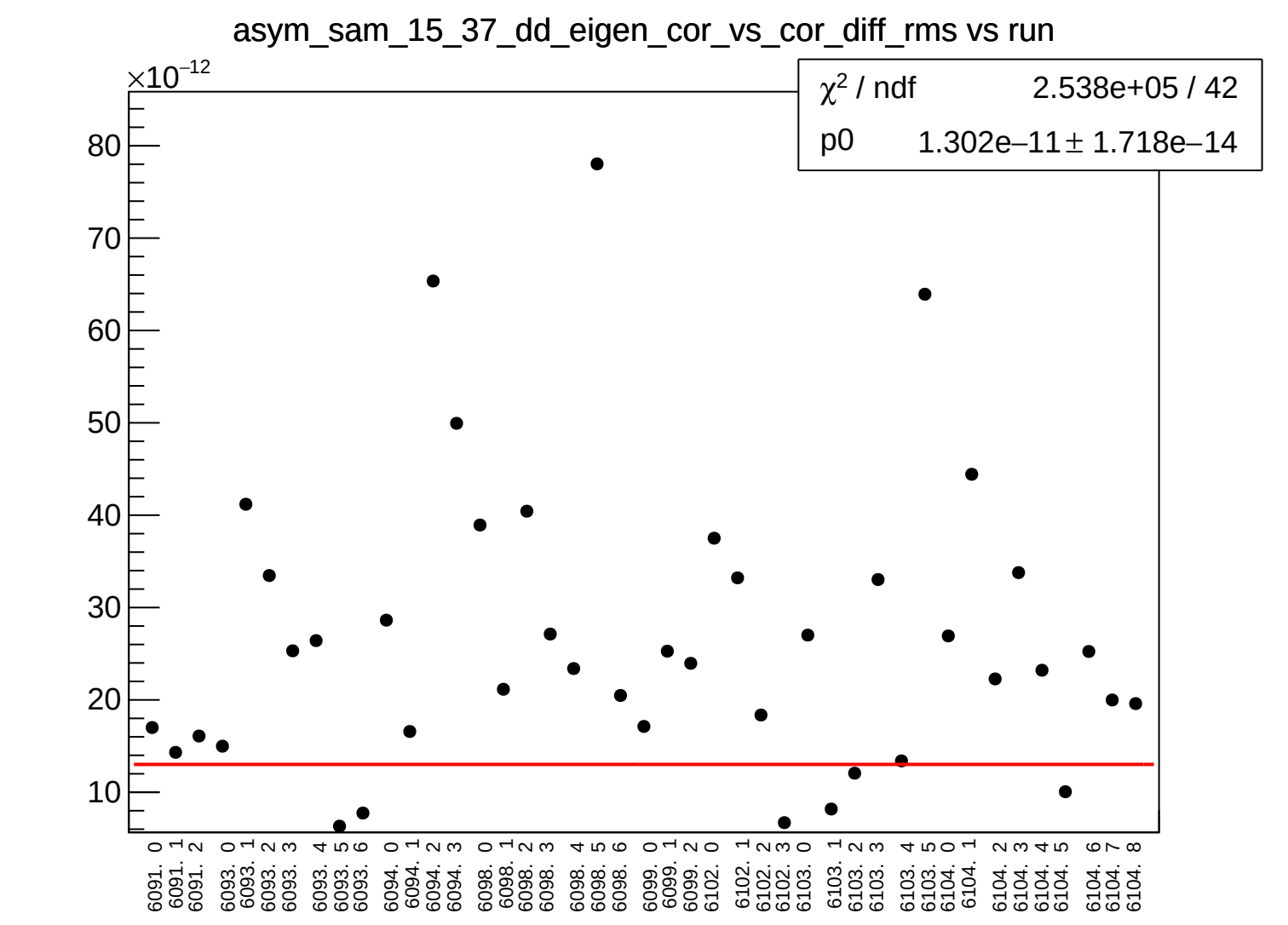

asym_sam_15_37_dd_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 62.41 / 42
p0 0.009247 ± 0.02552
pull
Entries 43
Mean −97.68
Std Dev 0
pull1D
Entries 43
Mean 0.003178
Std Dev 1.205

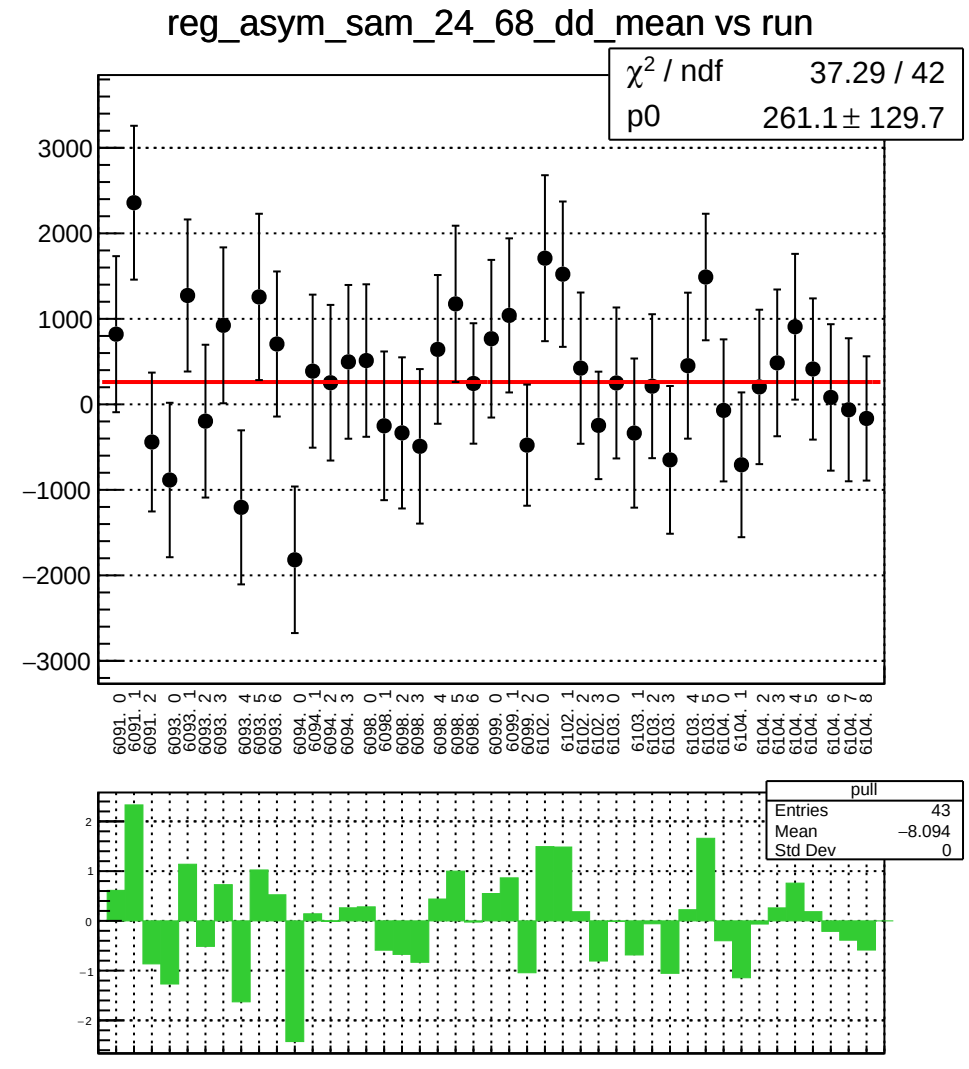

asym_sam_15_37_dd_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 6.907e+04 / 42
p0 15.71 ± 0.01804
40
35
30
25
20
15
10
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

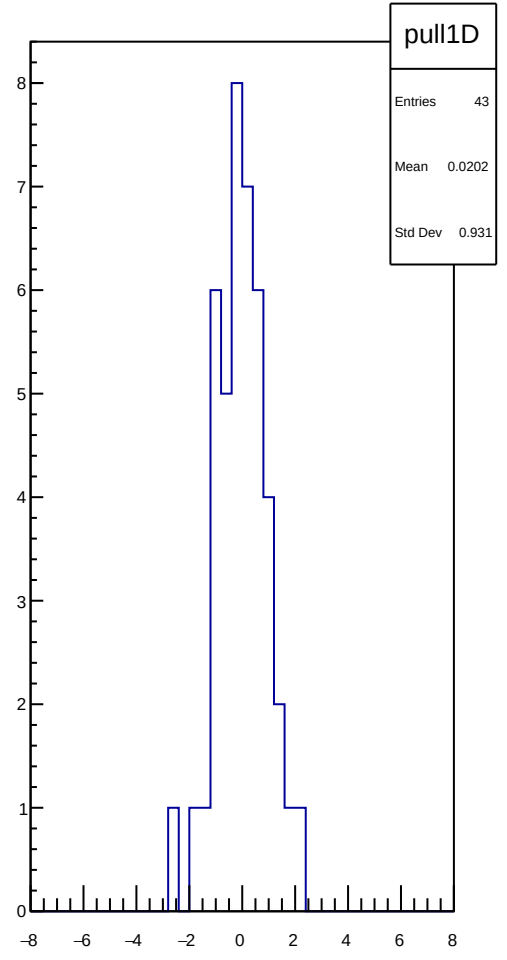

asym_sam_15_37_dd_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 62.41 / 42
p0 0.009247 ± 0.02552
pull
Entries 43
Mean −97.68
Std Dev 0
pull1D
Entries 43
Mean 0.003178
Std Dev 1.205

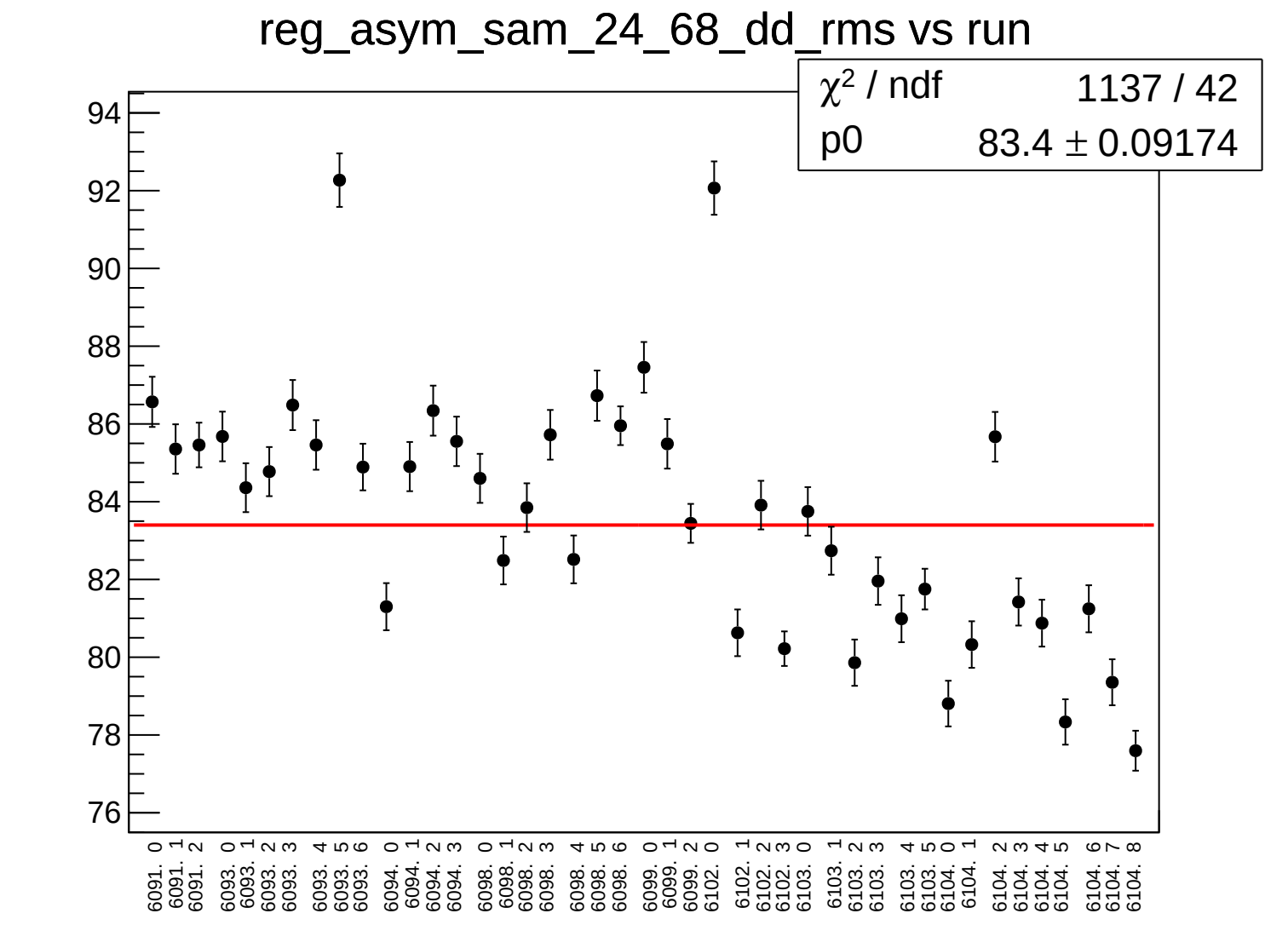

asym_sam_15_37_dd_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 6.907e+04 / 42
p0 15.71 ± 0.01804
40
35
30
25
20
15
10
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8


asym_sam_15_37_dd_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 44.65 / 42
p0 −3.312e−14 ± 2.43e−14
1.5
1
0.5
0
−0.5
−1
−1.5
−2
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 38.88
Std Dev 0
3
2
1
0
−1
−2
pull1D
Entries 43
Mean −0.1181
Std Dev 1.012
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


asym_sam_15_37_dd_eigen_cor_vs_cor_diff_rms vs run
×10⁻¹²
χ² / ndf 2.538e+05 / 42
p0 1.302e−11 ± 1.718e−14
80
70
60
50
40
30
20
10
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8


reg_asym_sam_24_68_dd_mean vs run
χ² / ndf 37.29 / 42
p0 261.1 ± 129.7
3000
2000
1000
0
−1000
−2000
−3000
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean −8.094
Std Dev 0
2
1
0
−1
−2


pull1D
Entries 43
Mean 0.0202
Std Dev 0.931
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


reg_asym_sam_24_68_dd_rms vs run
χ² / ndf 1137 / 42
p0 83.4 ± 0.09174
94
92
90
88
86
84
82
80
78
76
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
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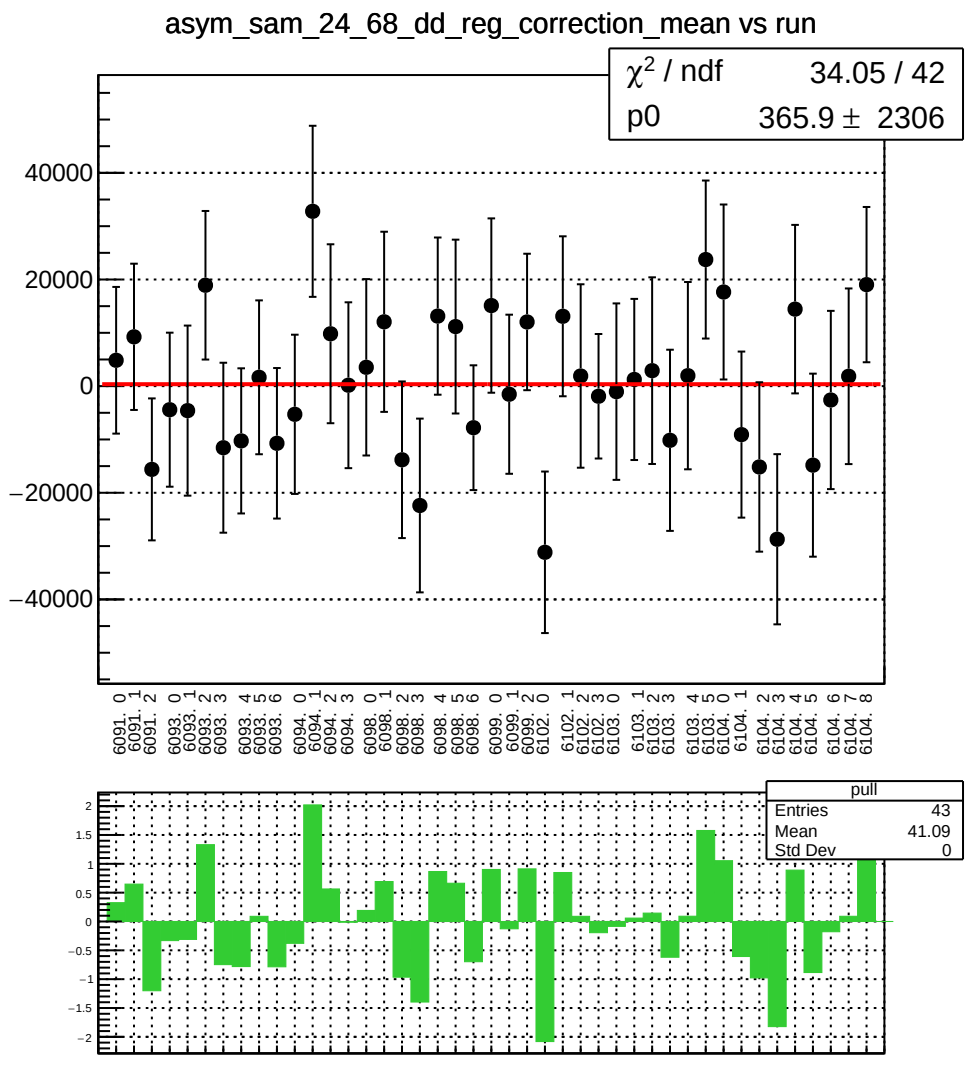
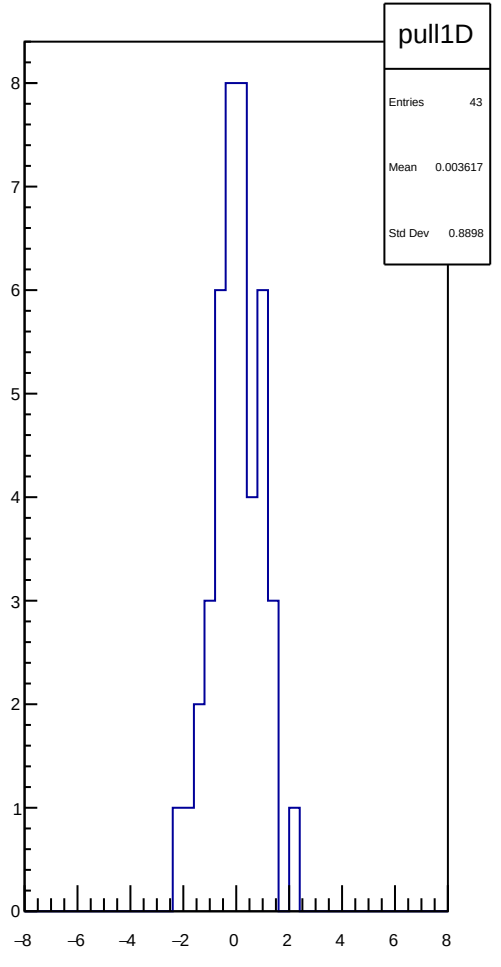
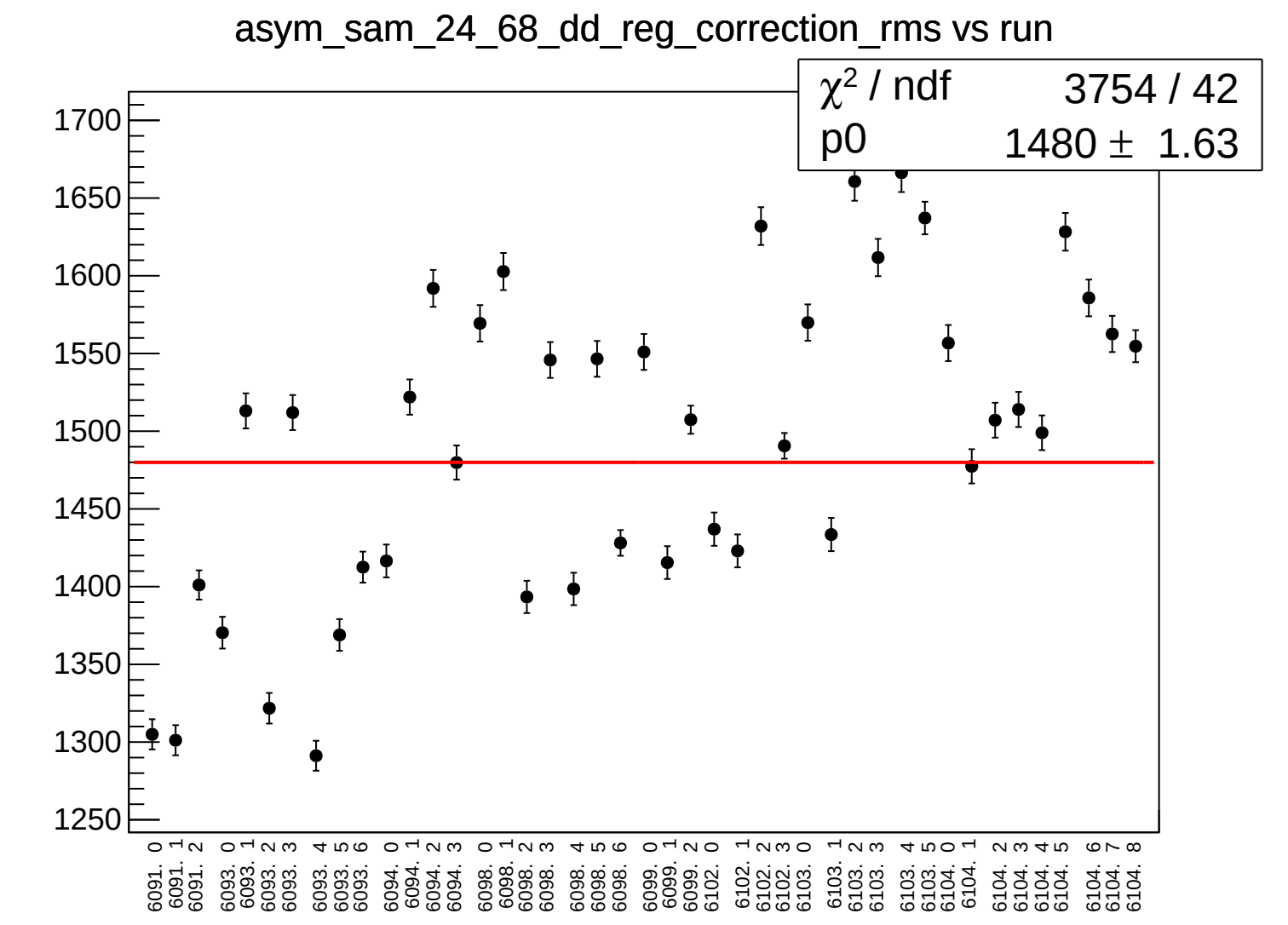
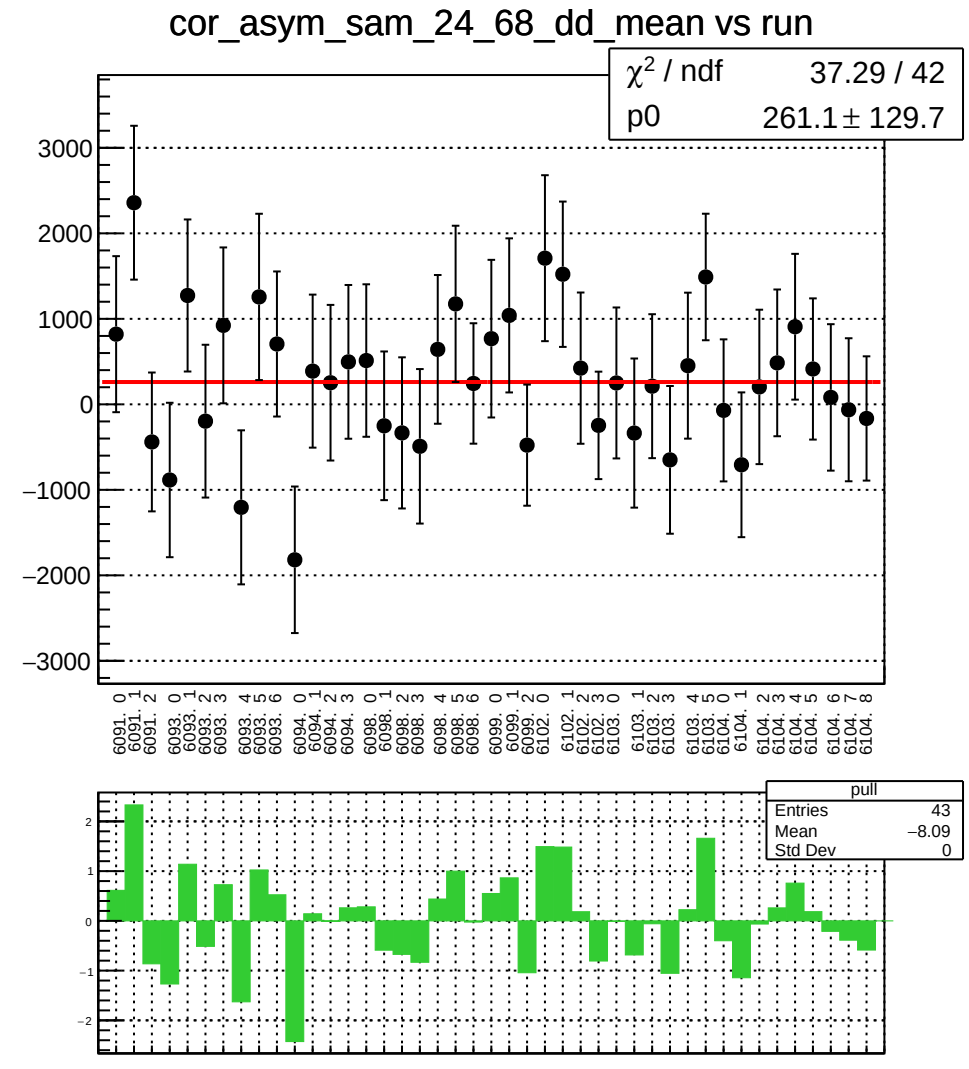
6104. 5
6104. 6
6104. 7
6104. 8


asym_sam_24_68_dd_reg_correction_mean vs run
χ² / ndf 34.05 / 42
p0 365.9 ± 2306
40000
20000
0
−20000
−40000
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 41.09
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2


pull1D
Entries 43
Mean 0.003617
Std Dev 0.8898
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


asym_sam_24_68_dd_reg_correction_rms vs run
χ² / ndf 3754 / 42
p0 1480 ± 1.63
1700
1650
1600
1550
1500
1450
1400
1350
1300
1250
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8


cor_asym_sam_24_68_dd_mean vs run
χ² / ndf 37.29 / 42
p0 261.1 ± 129.7
3000
2000
1000
0
−1000
−2000
−3000
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
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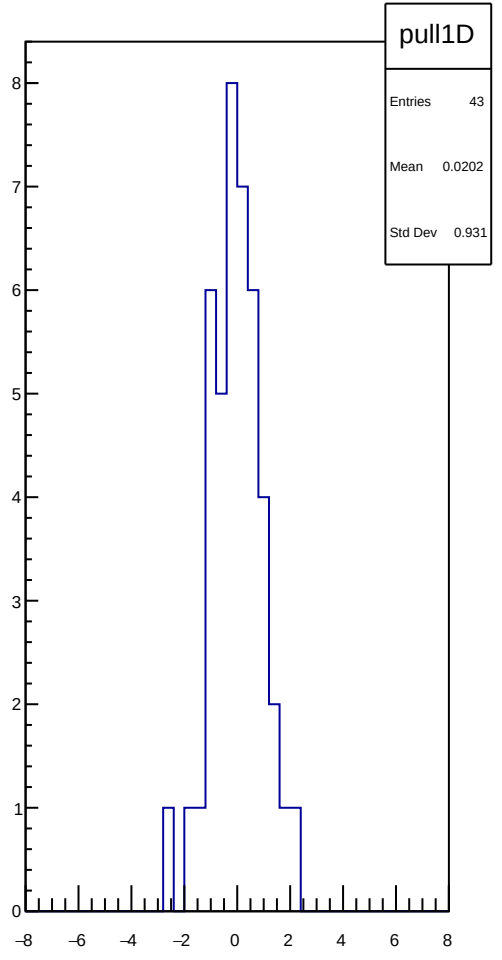
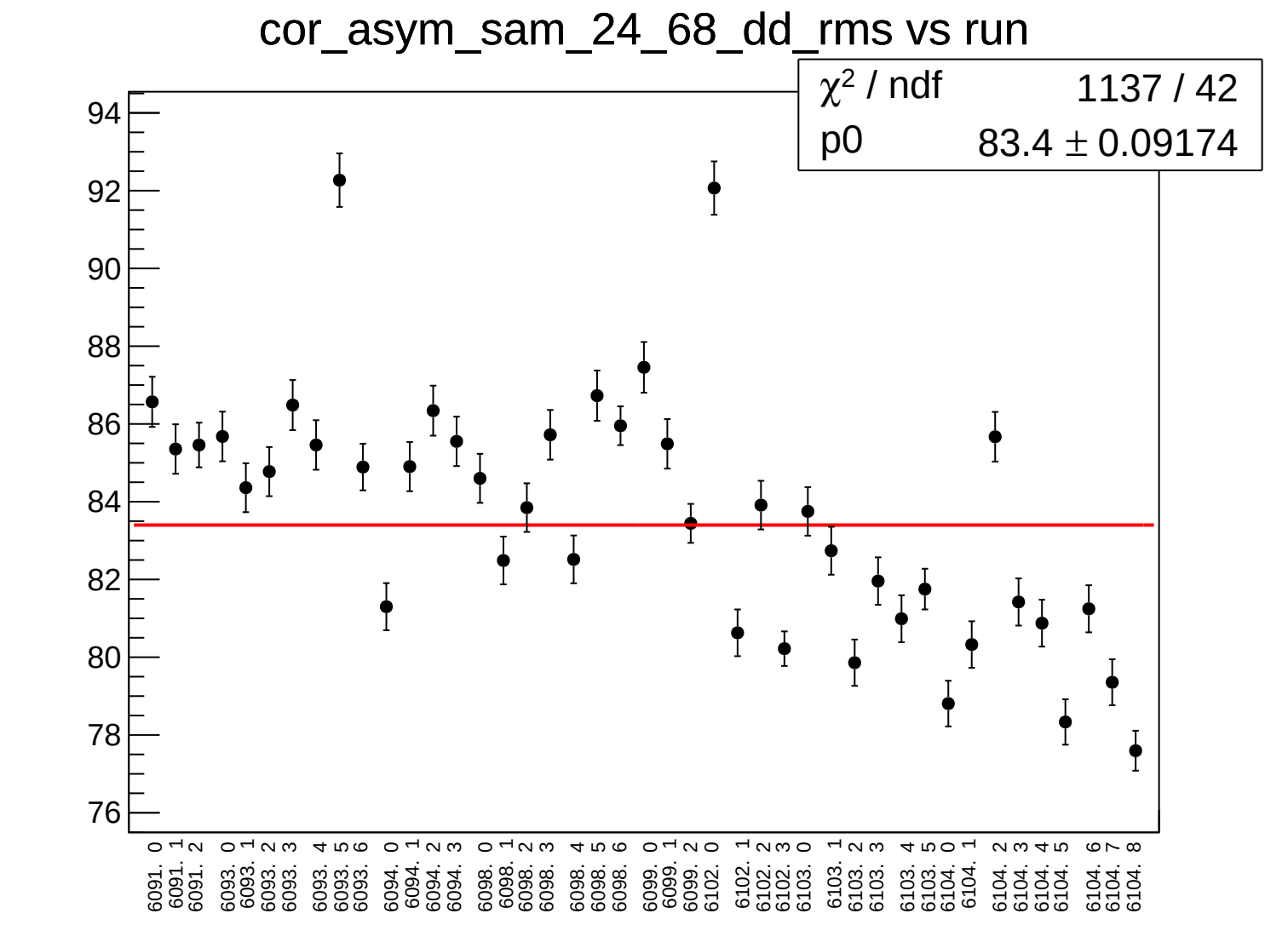
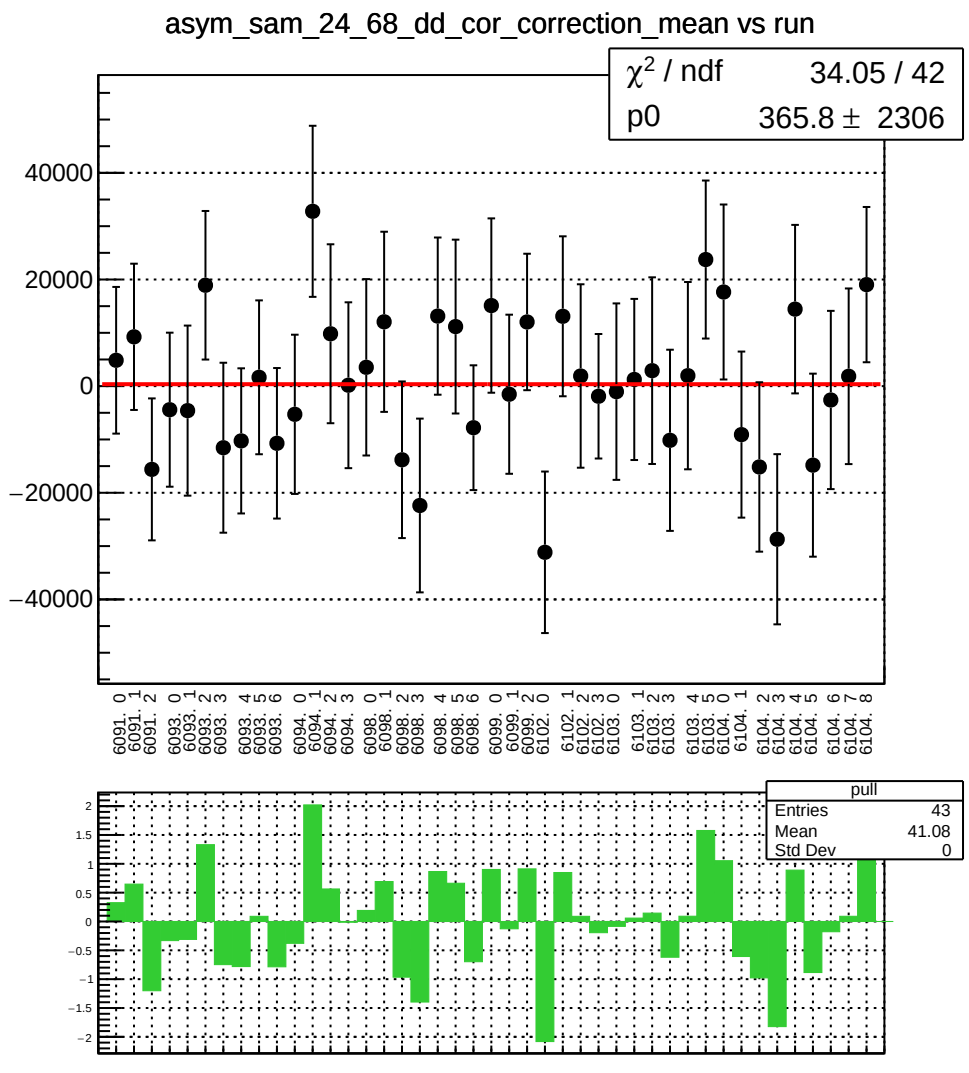
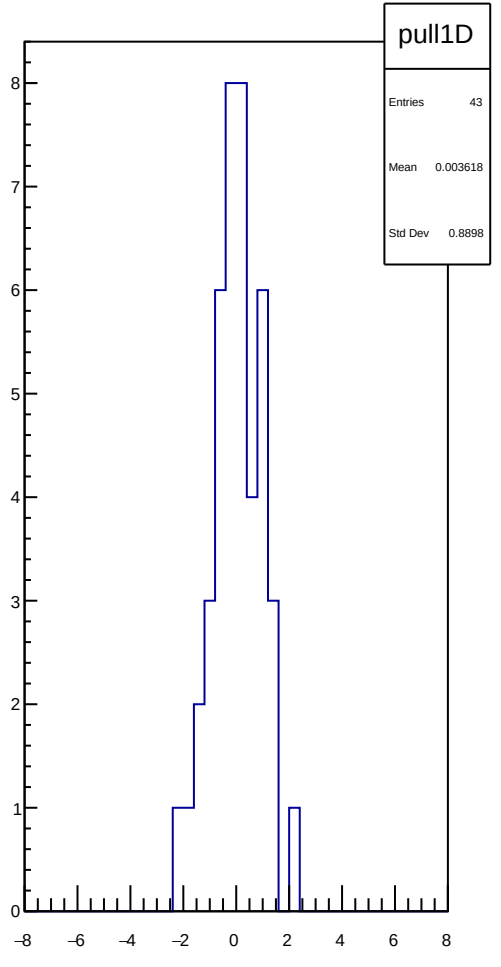
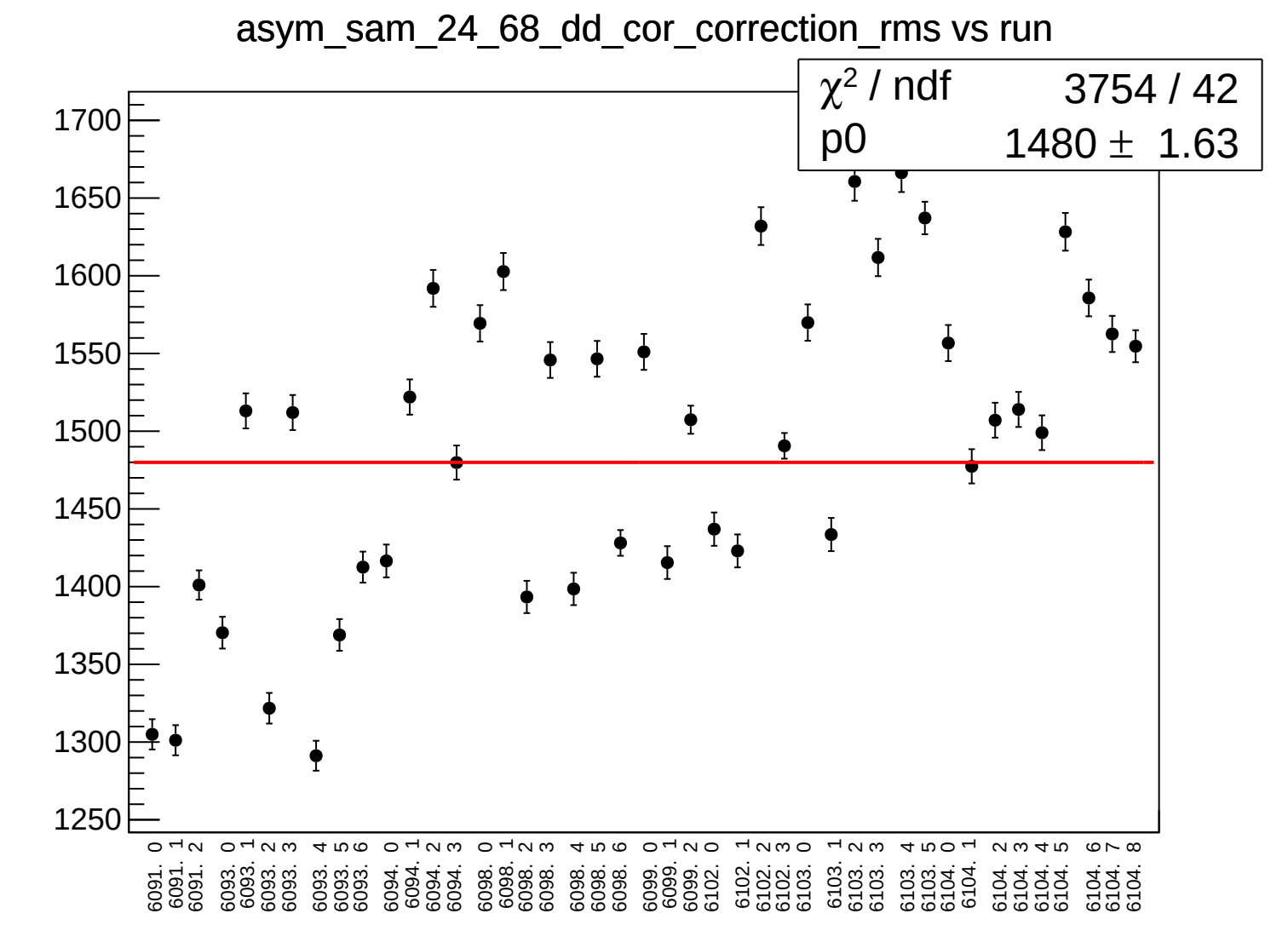
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean −8.09
Std Dev 0
2
1
0
−1
−2

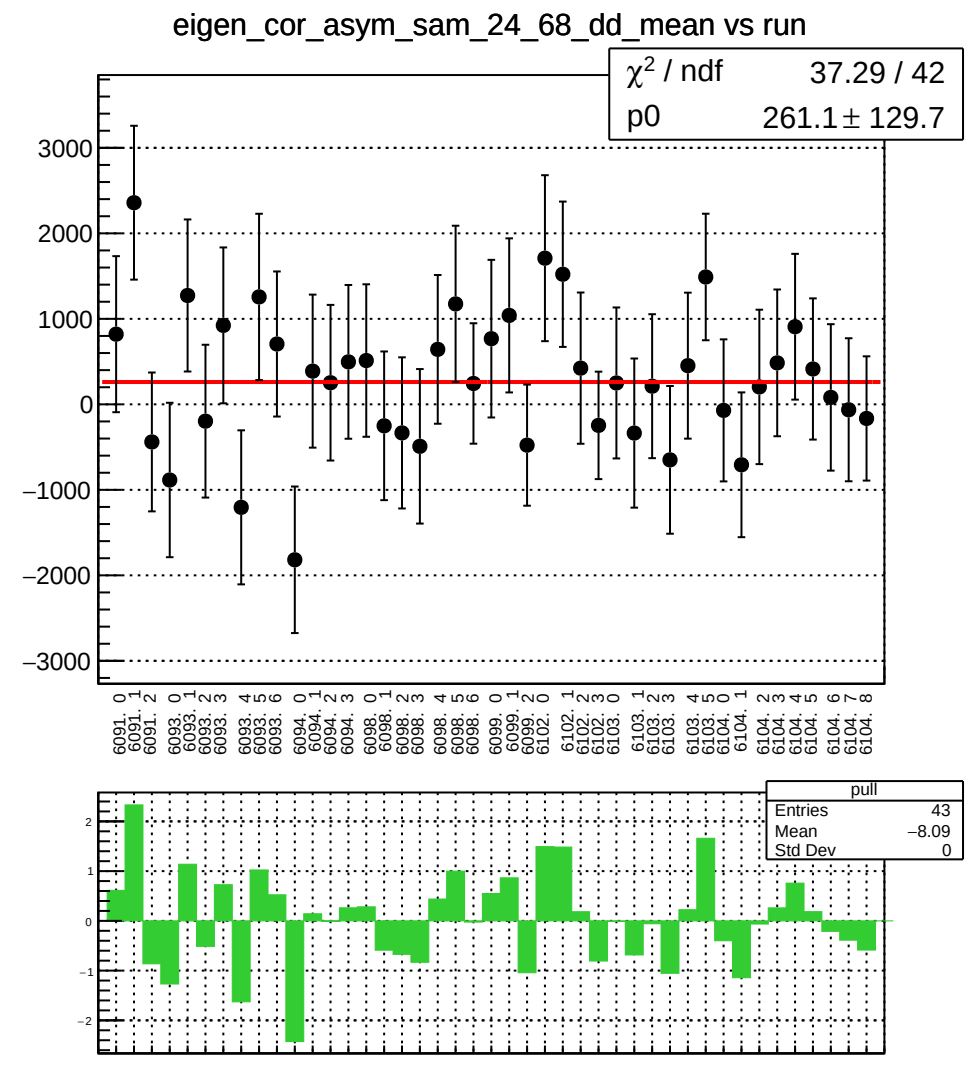

pull1D
Entries 43
Mean 0.0202
Std Dev 0.931
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

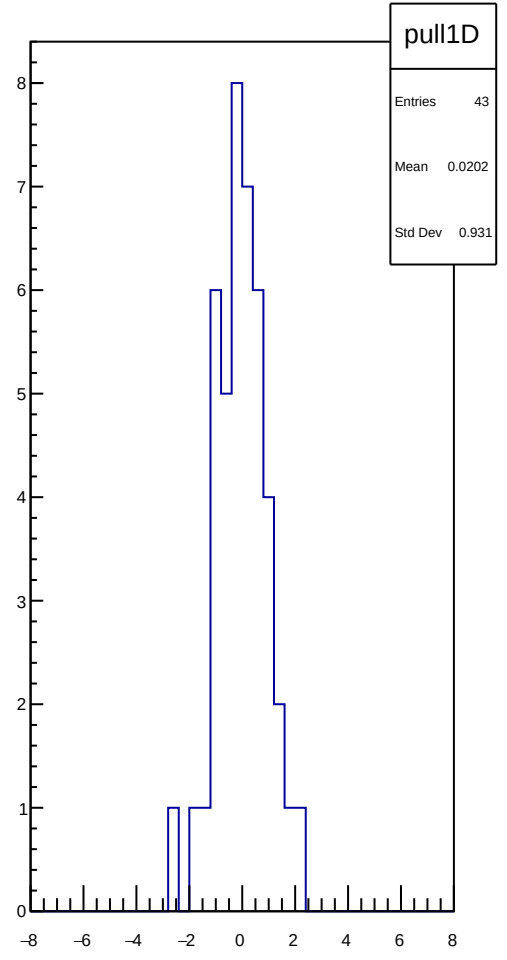

cor_asym_sam_24_68_dd_rms vs run
χ² / ndf 1137 / 42
p0 83.4 ± 0.09174
94
92
90
88
86
84
82
80
78
76
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

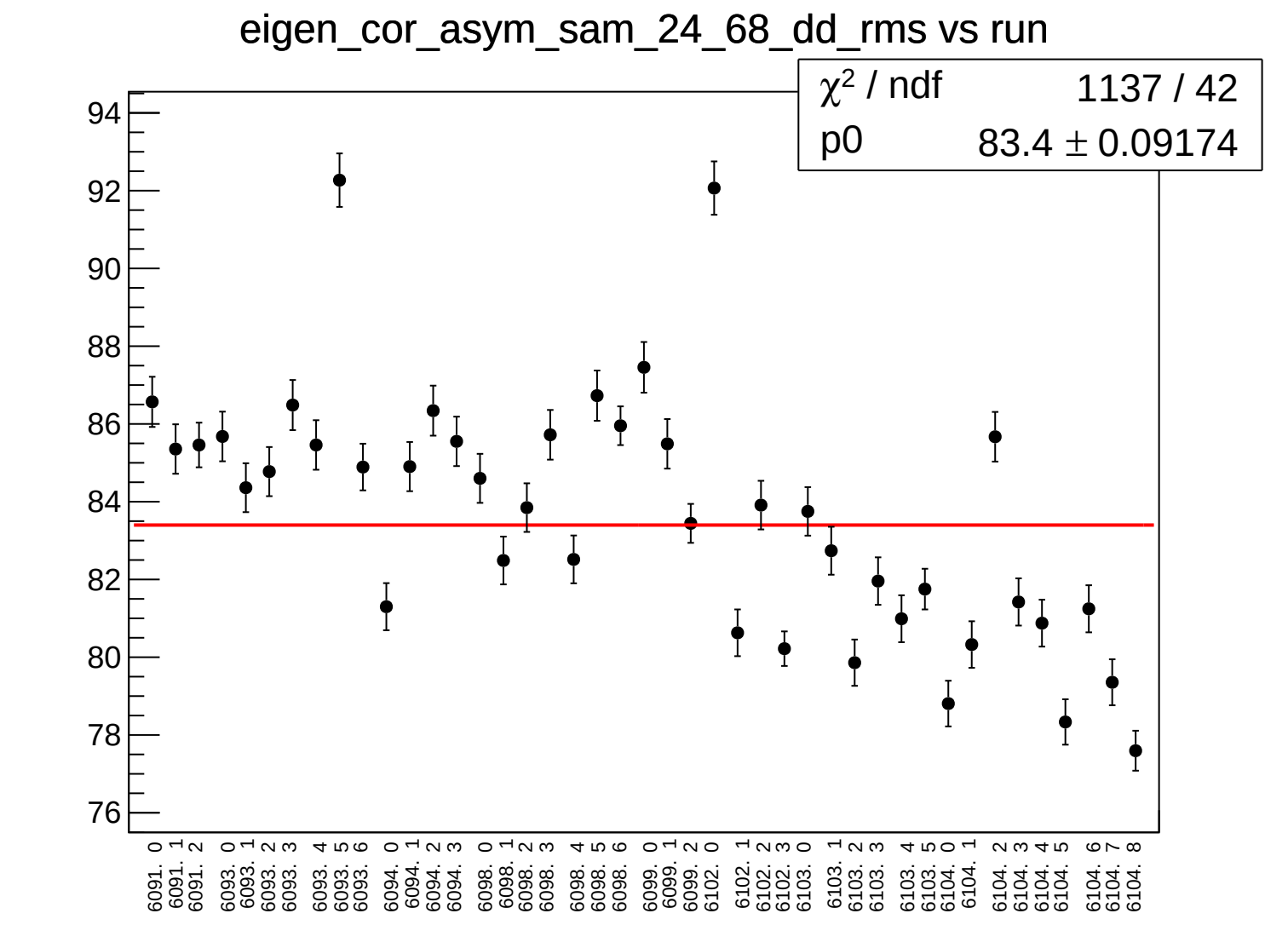

asym_sam_24_68_dd_cor_correction_mean vs run
χ² / ndf 34.05 / 42
p0 365.8 ± 2306
40000
20000
0
−20000
−40000
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 41.08
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

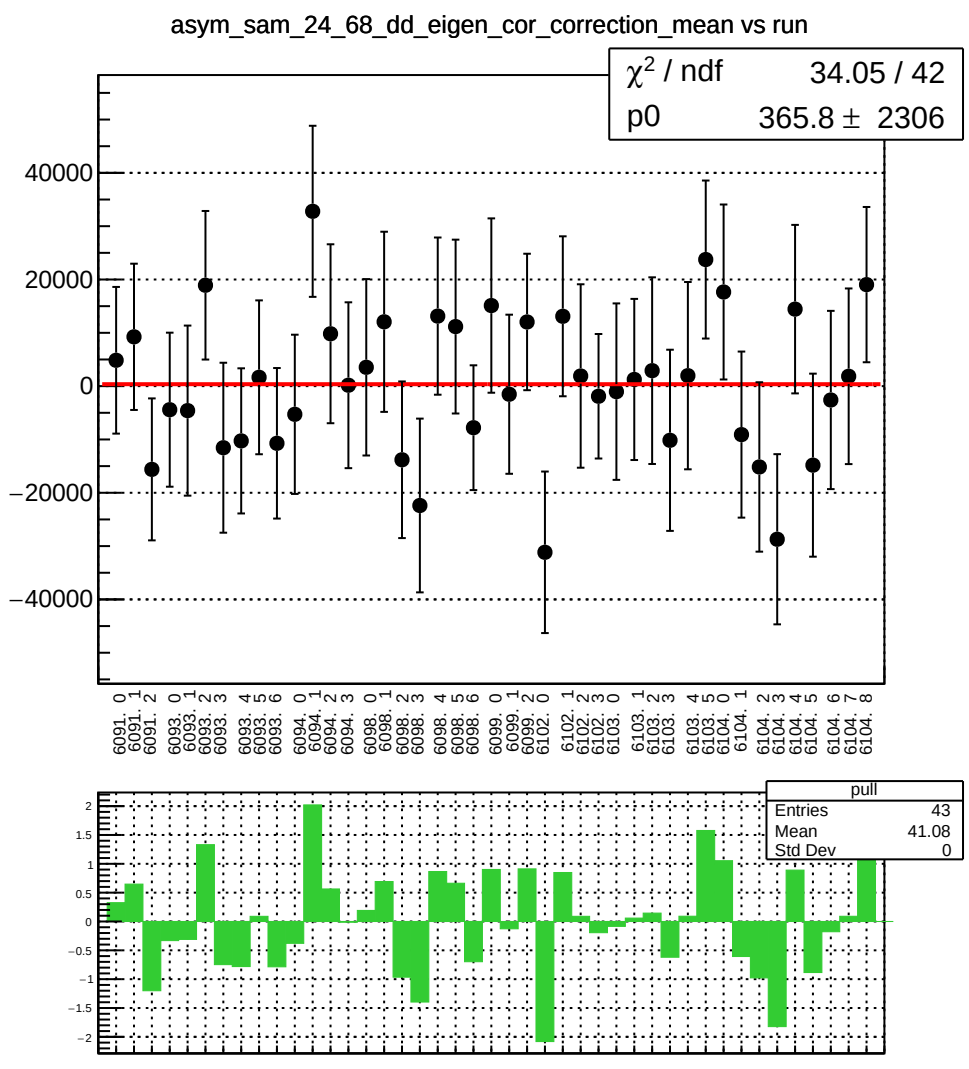

pull1D
Entries 43
Mean 0.003618
Std Dev 0.8898
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

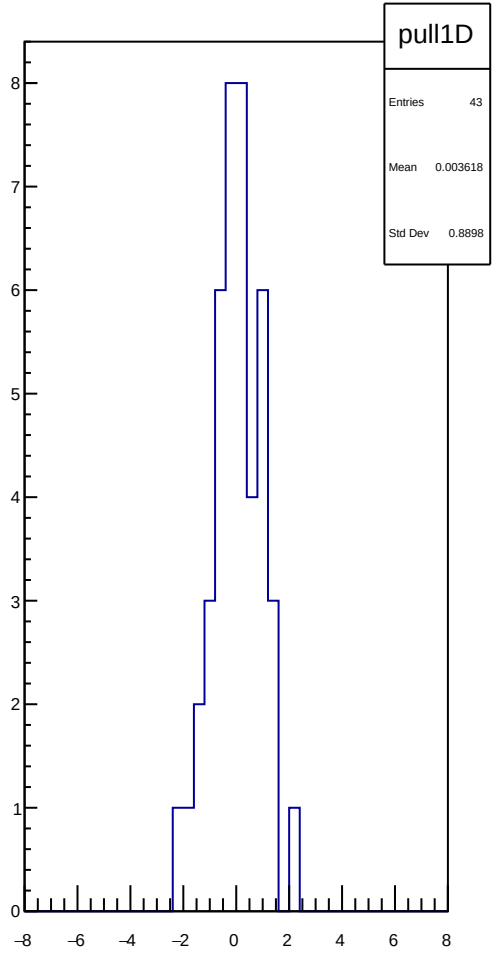

asym_sam_24_68_dd_cor_correction_rms vs run
χ² / ndf 3754 / 42
p0 1480 ± 1.63
1700
1650
1600
1550
1500
1450
1400
1350
1300
1250
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

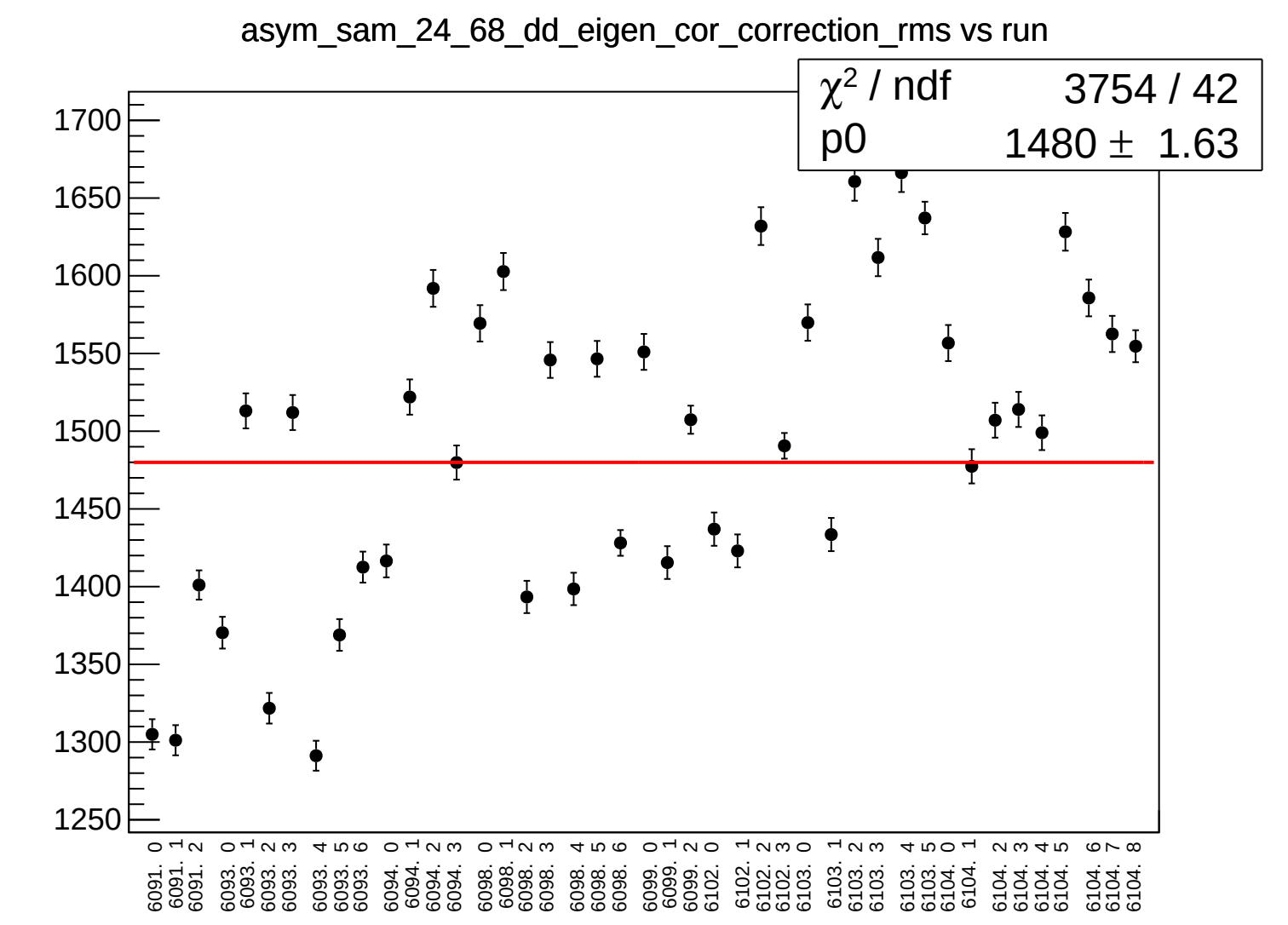

eigen_cor_asym_sam_24_68_dd_mean vs run
χ² / ndf 37.29 / 42
p0 261.1 ± 129.7
3000
2000
1000
0
−1000
−2000
−3000
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean −8.09
Std Dev 0
2
1
0
−1
−2

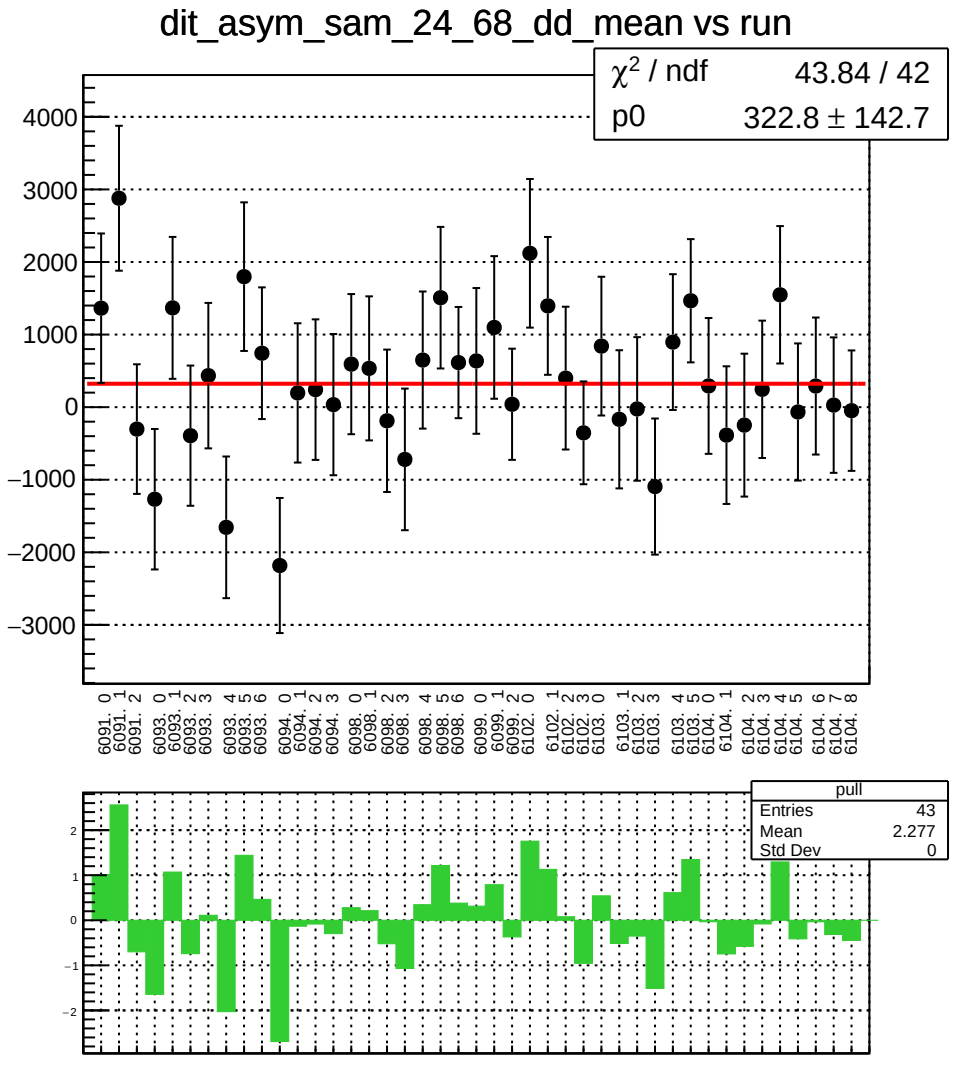

pull1D
Entries 43
Mean 0.0202
Std Dev 0.931
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

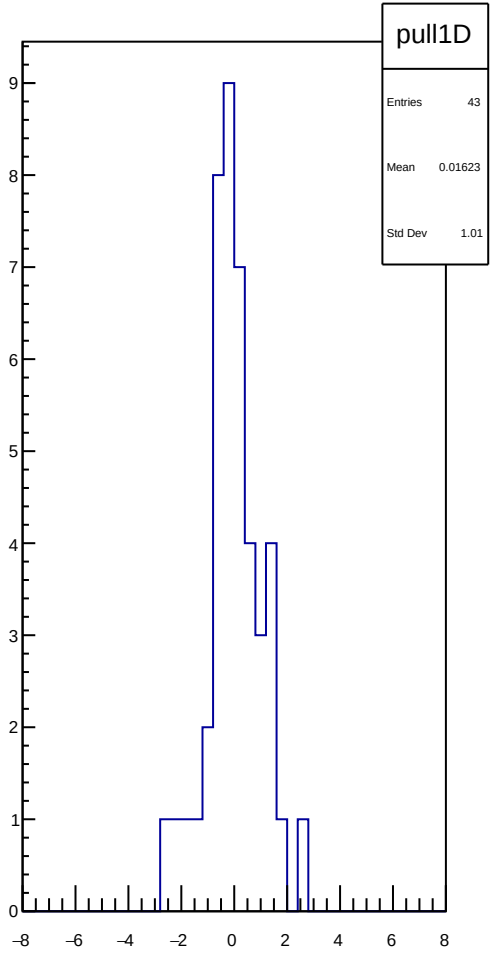

eigen_cor_asym_sam_24_68_dd_rms vs run
χ² / ndf 1137 / 42
p0 83.4 ± 0.09174
94
92
90
88
86
84
82
80
78
76
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

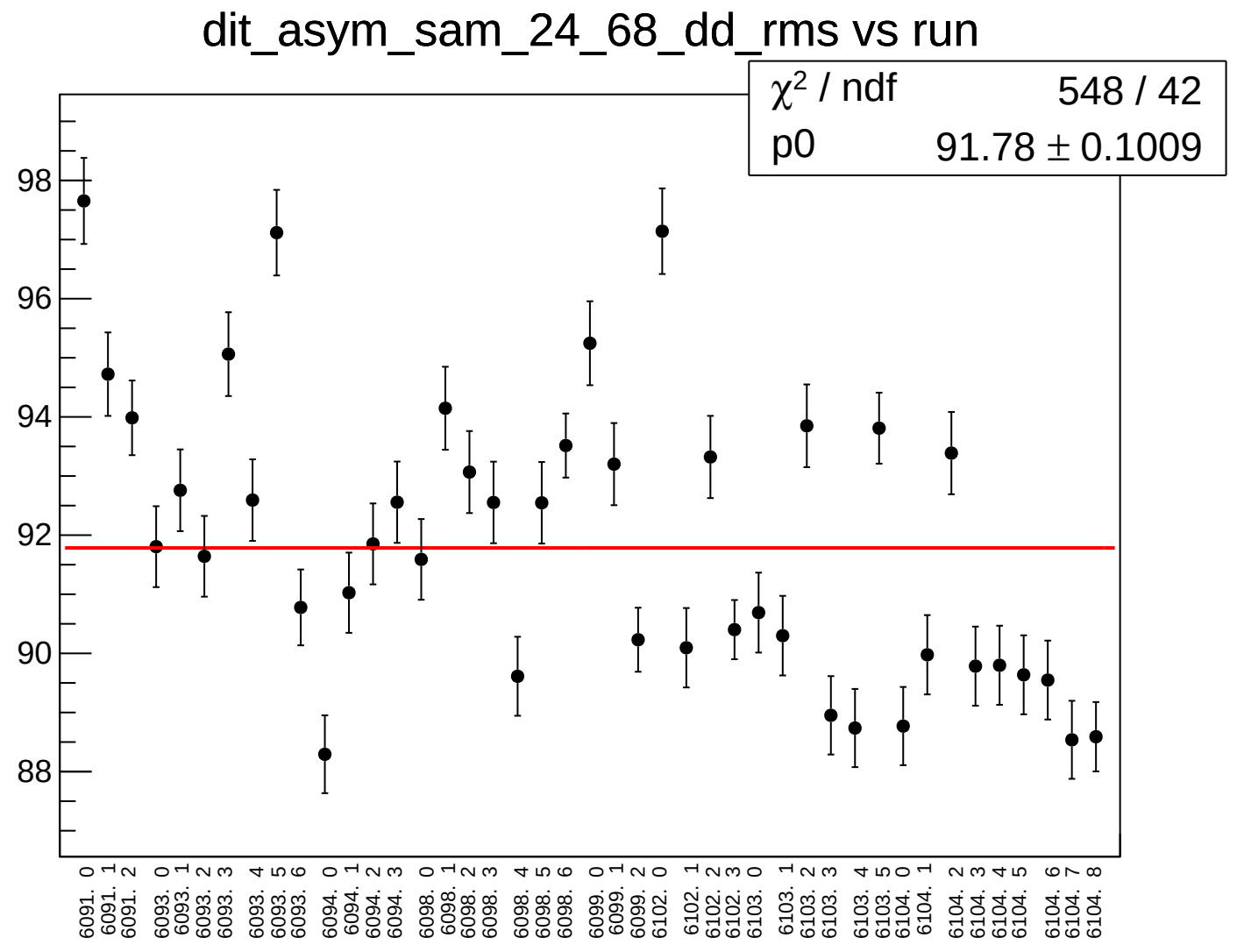

asym_sam_24_68_dd_eigen_cor_correction_mean vs run
χ² / ndf 34.05 / 42
p0 365.8 ± 2306
40000
20000
0
−20000
−40000
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 41.08
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

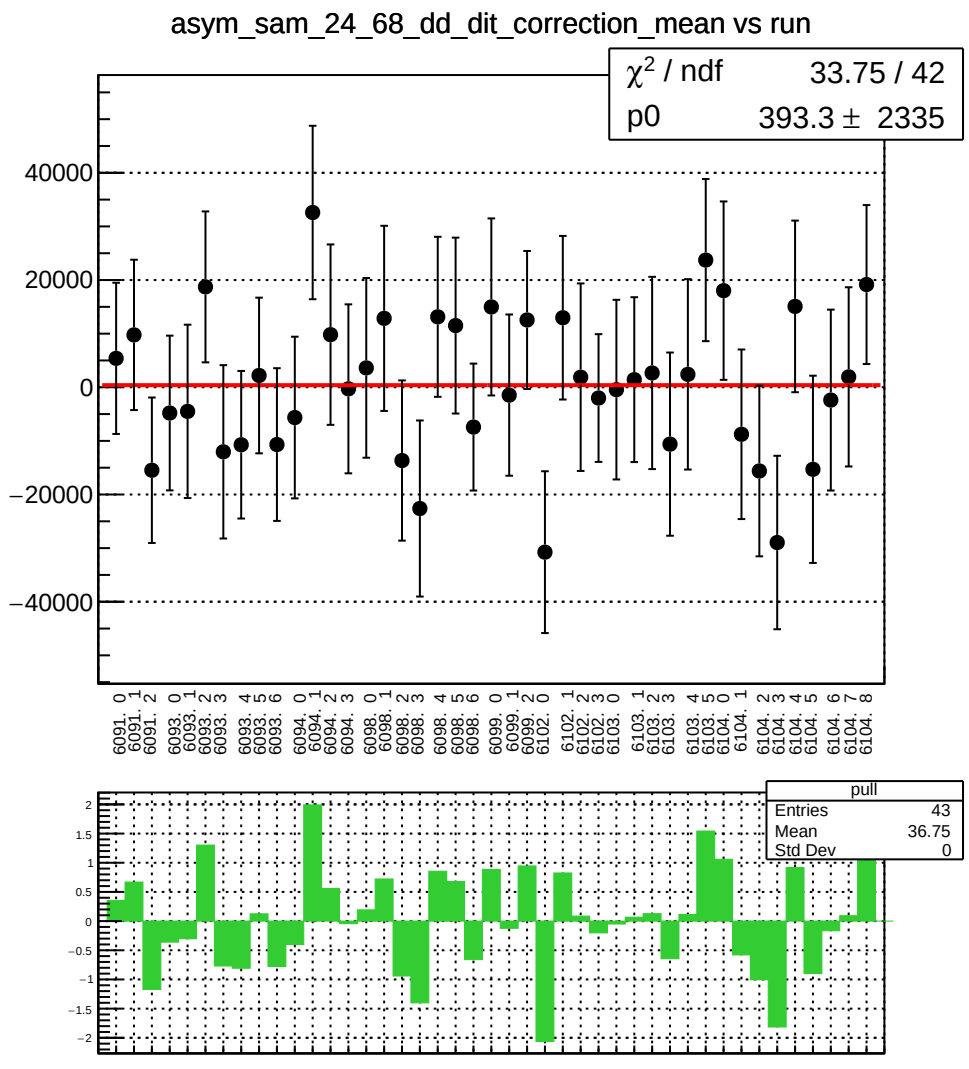

pull1D
Entries 43
Mean 0.003618
Std Dev 0.8898
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

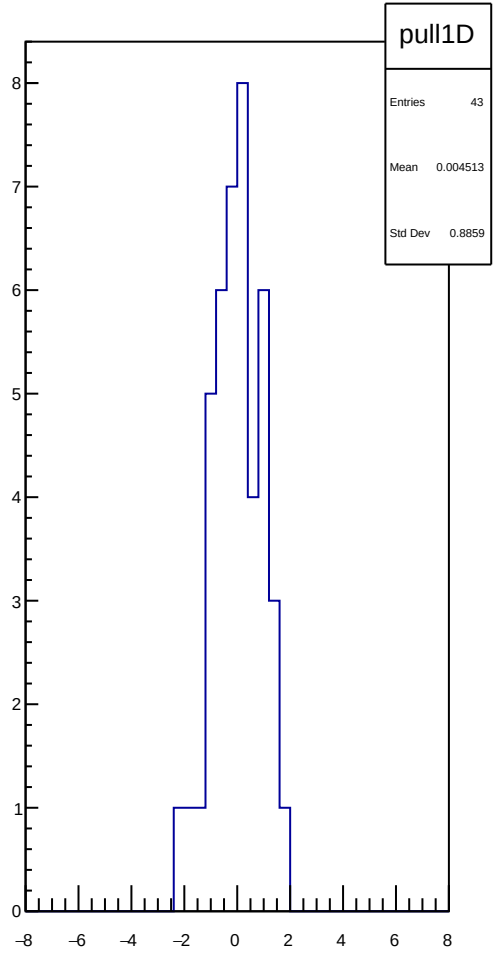

asym_sam_24_68_dd_eigen_cor_correction_rms vs run
χ² / ndf 3754 / 42
p0 1480 ± 1.63
1700
1650
1600
1550
1500
1450
1400
1350
1300
1250
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

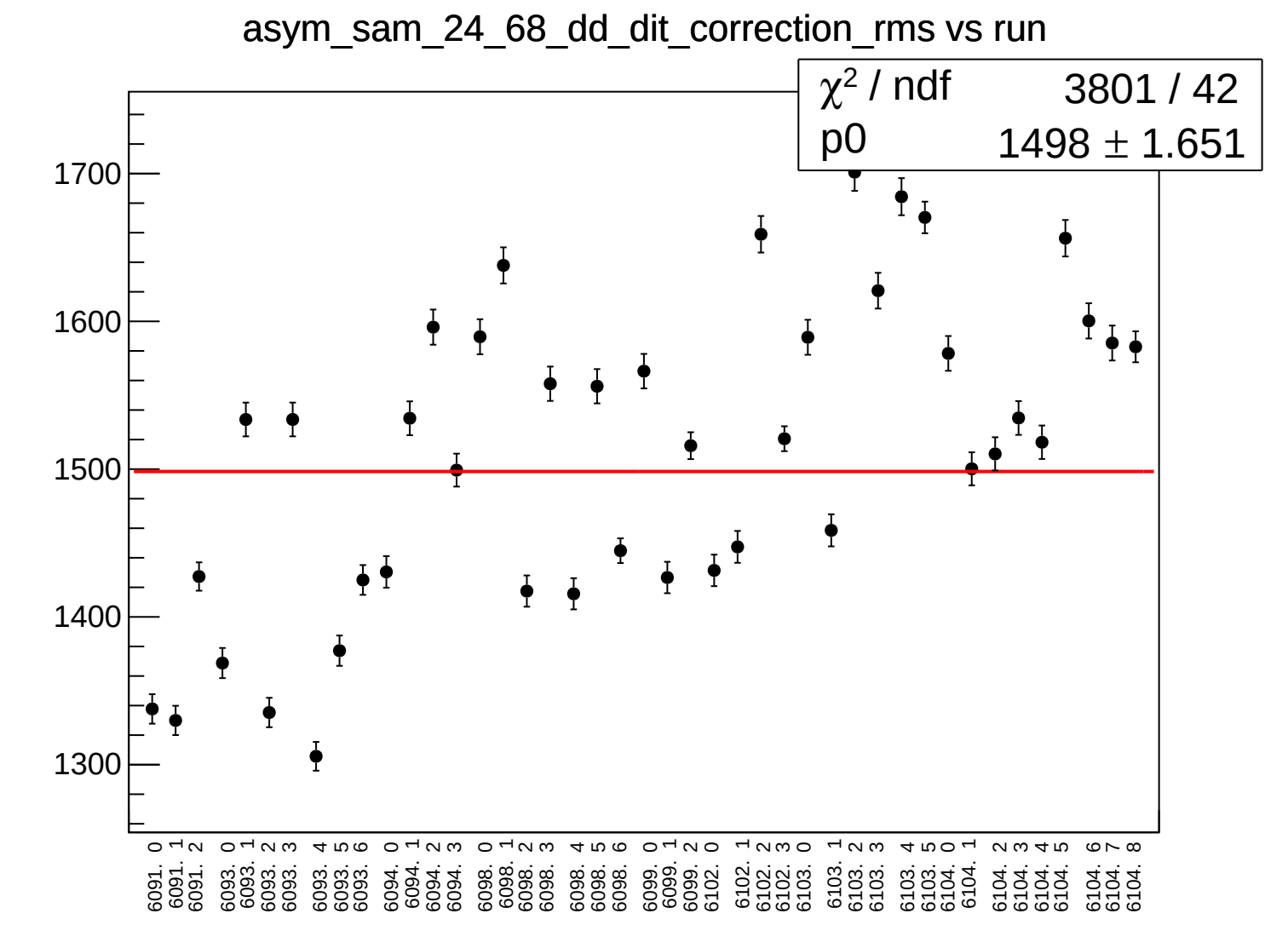

dit_asym_sam_24_68_dd_mean vs run
χ² / ndf 43.84 / 42
p0 322.8 ± 142.7
4000
3000
2000
1000
0
−1000
−2000
−3000
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 2.277
Std Dev 0
2
1
0
−1
−2


pull1D
Entries 43
Mean 0.01623
Std Dev 1.01
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


dit_asym_sam_24_68_dd_rms vs run
χ² / ndf 548 / 42
p0 91.78 ± 0.1009
98
96
94
92
90
88
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8


asym_sam_24_68_dd_dit_correction_mean vs run
χ² / ndf 33.75 / 42
p0 393.3 ± 2335
40000
20000
0
−20000
−40000
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 36.75
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2


pull1D
Entries 43
Mean 0.004513
Std Dev 0.8859
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


asym_sam_24_68_dd_dit_correction_rms vs run
χ² / ndf 3801 / 42
p0 1498 ± 1.651
1700
1600
1500
1400
1300
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
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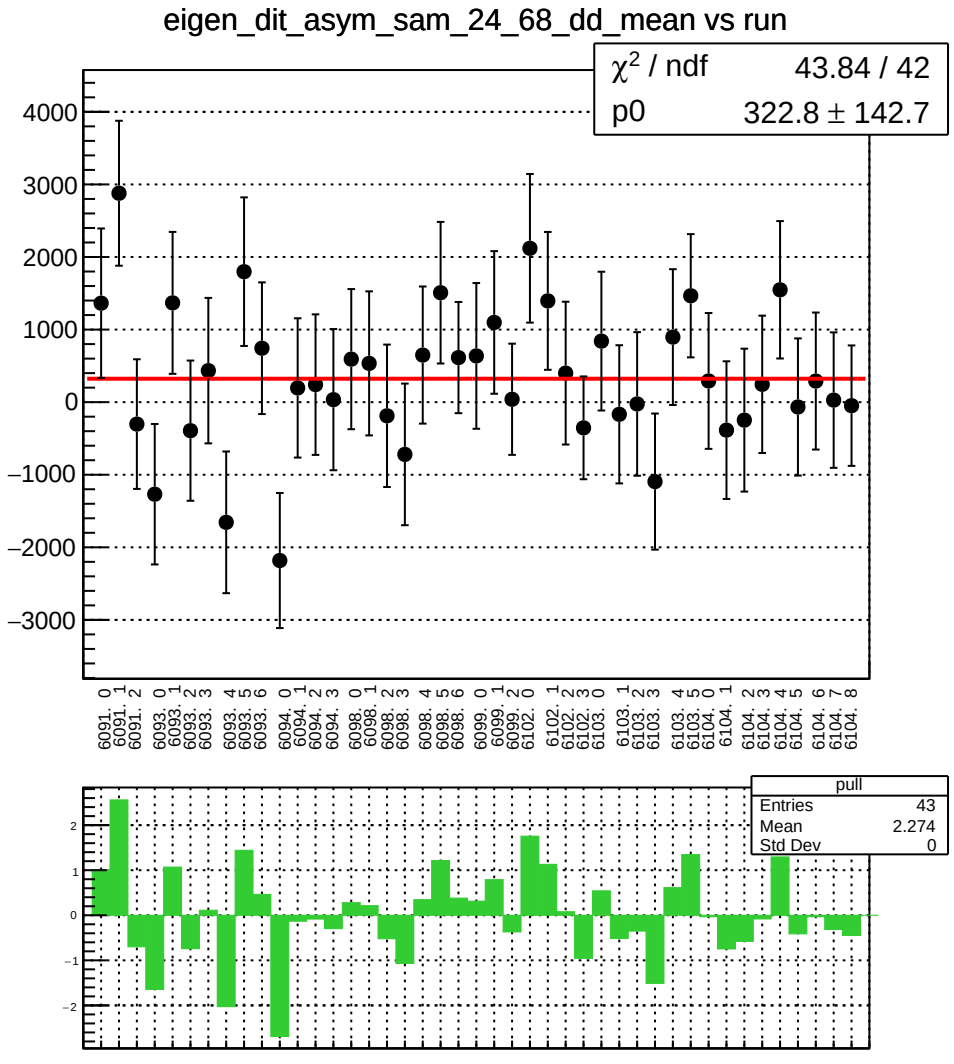
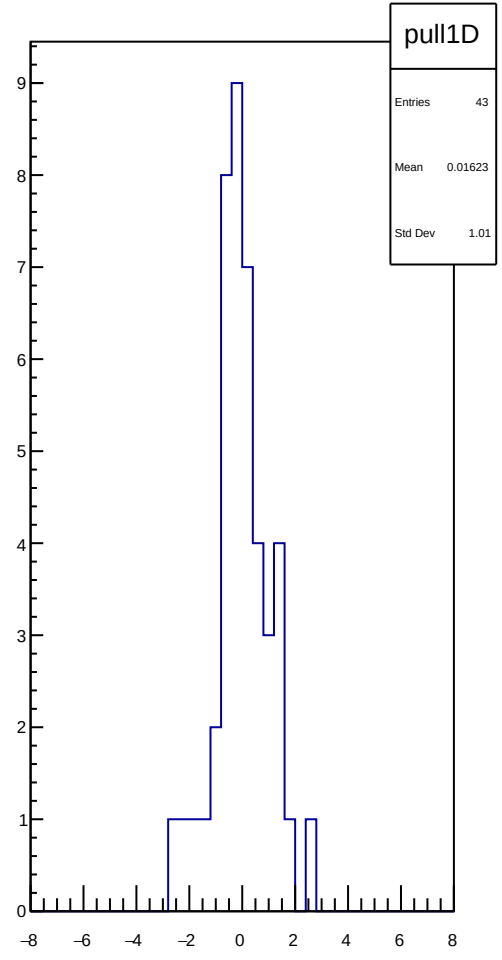
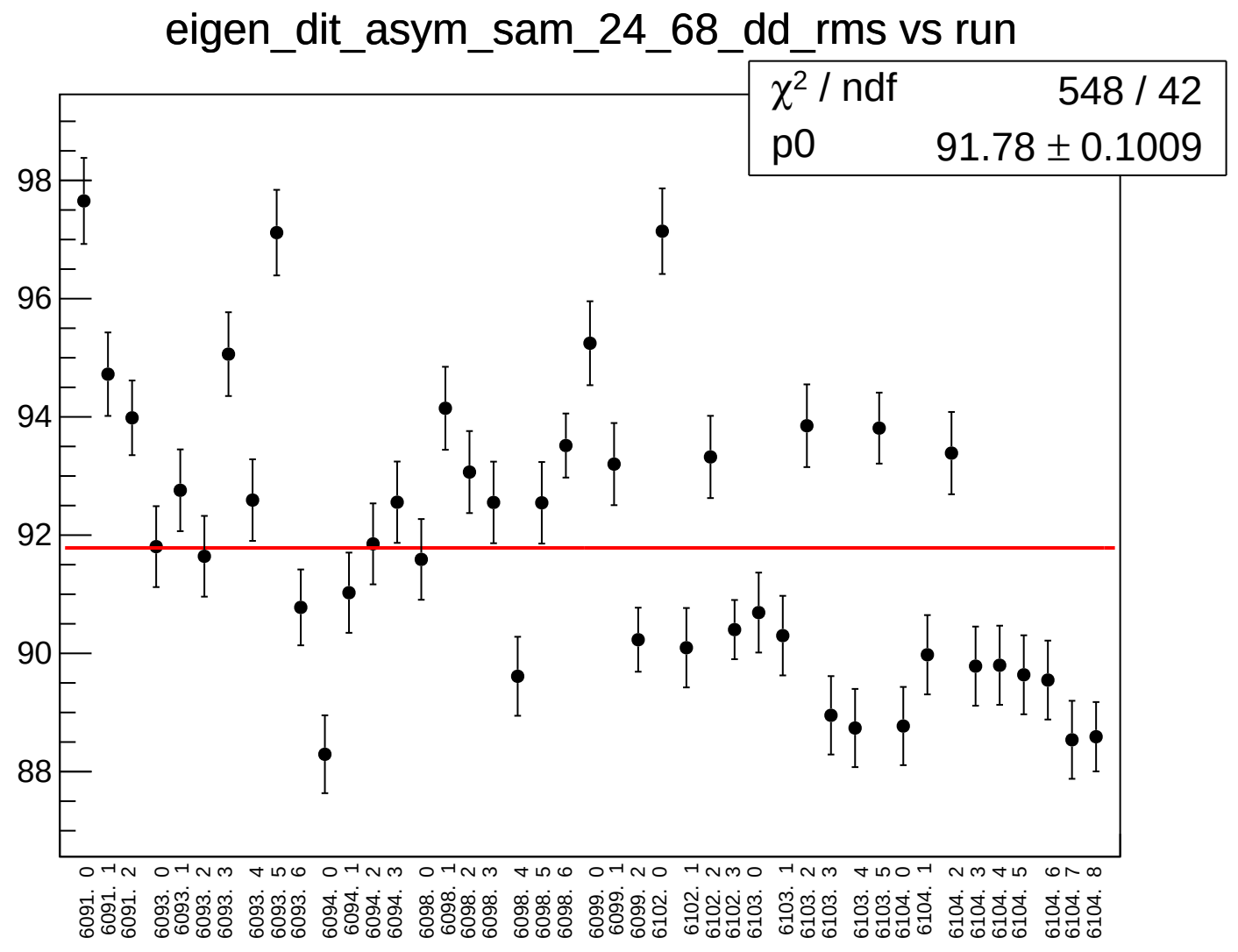
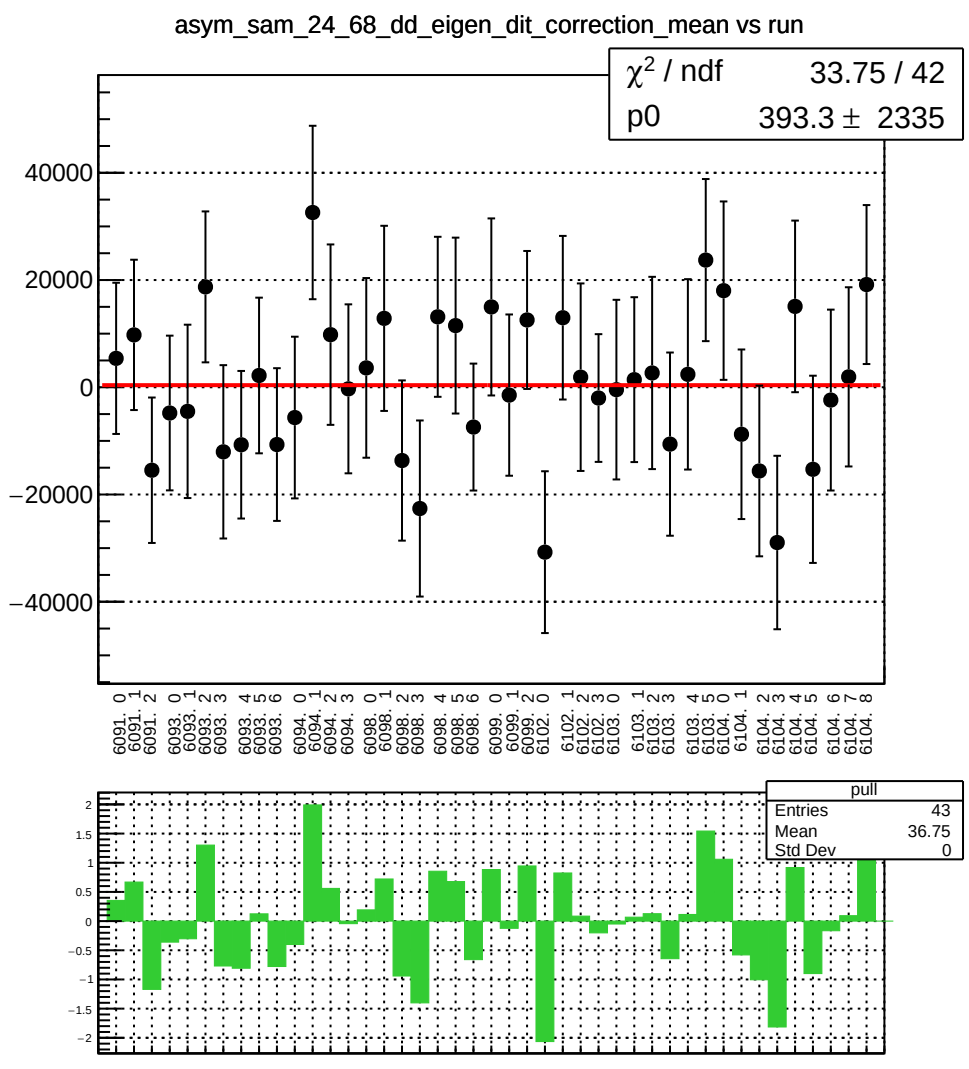
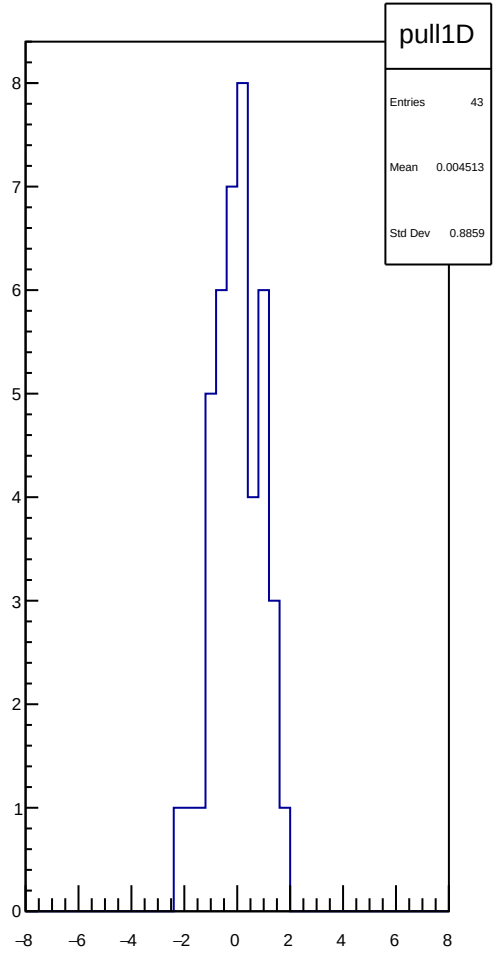
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

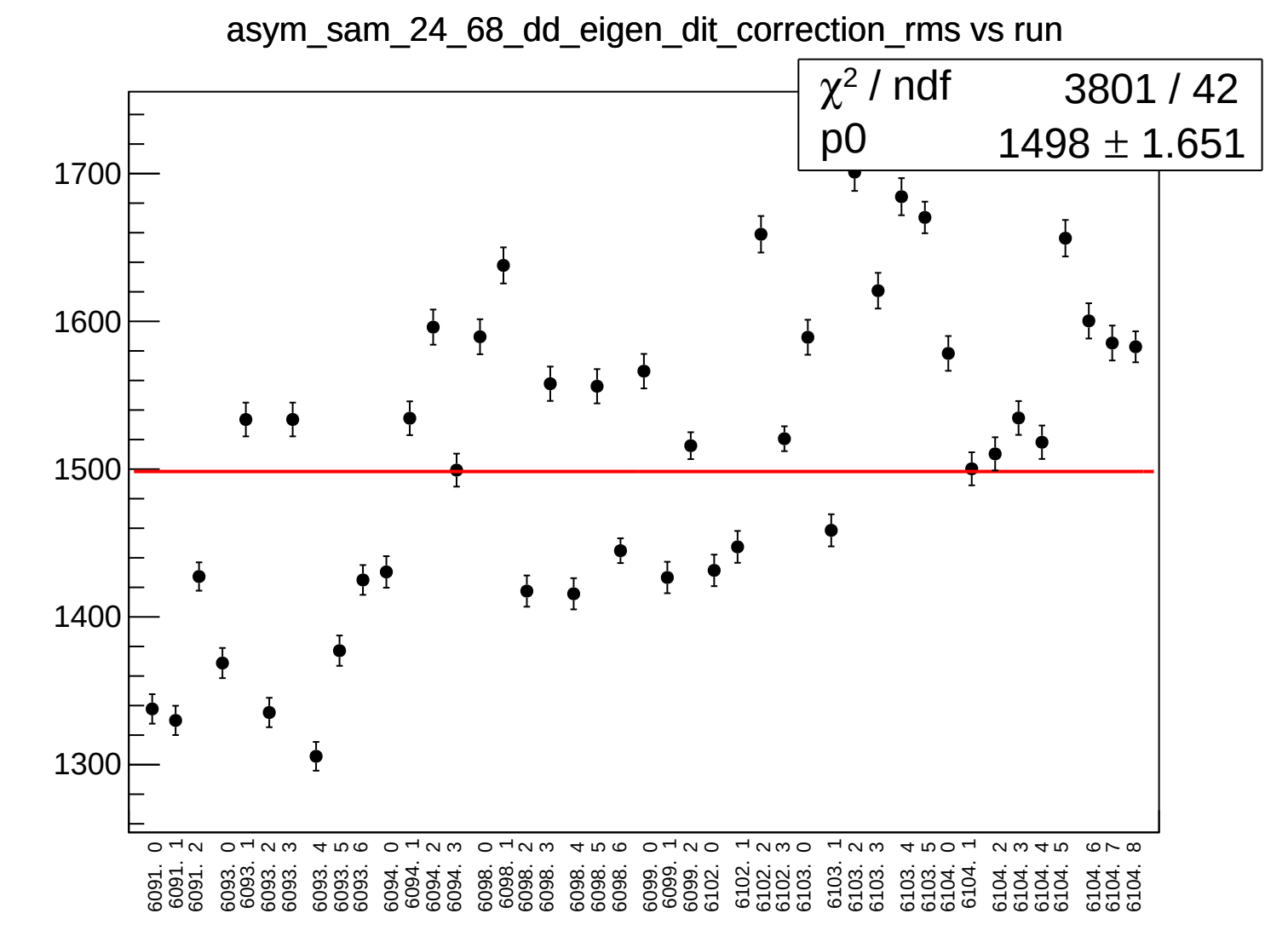

eigen_dit_asym_sam_24_68_dd_mean vs run
χ² / ndf 43.84 / 42
p0 322.8 ± 142.7
4000
3000
2000
1000
0
−1000
−2000
−3000
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 2.274
Std Dev 0
2
1
0
−1
−2

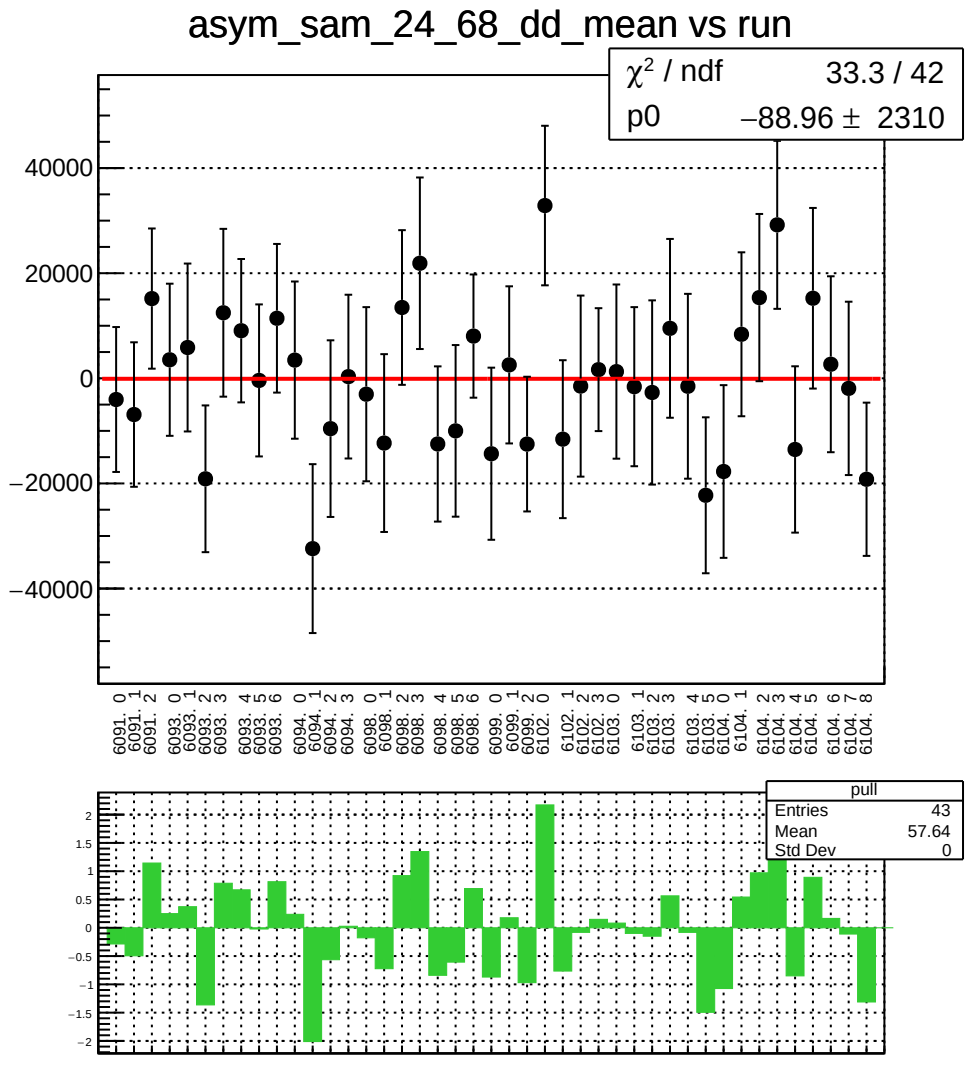

pull1D
Entries 43
Mean 0.01623
Std Dev 1.01
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

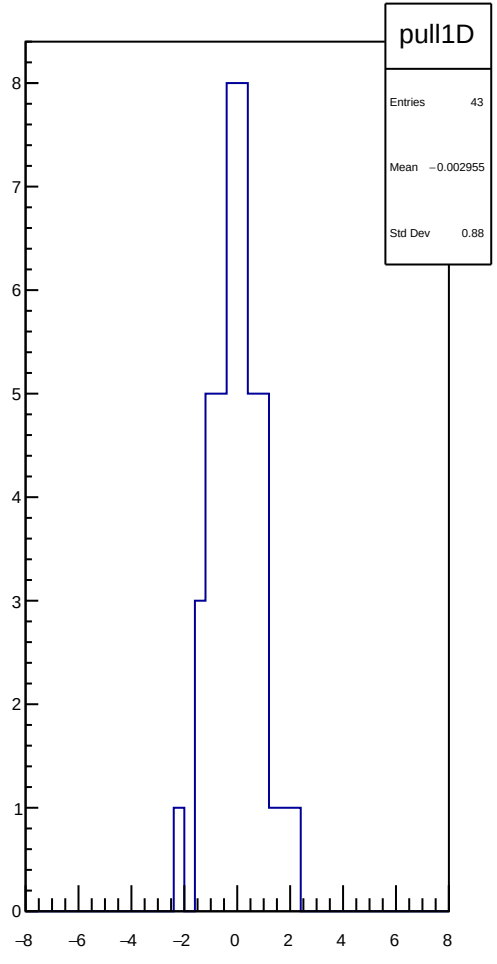

eigen_dit_asym_sam_24_68_dd_rms vs run
χ² / ndf 548 / 42
p0 91.78 ± 0.1009
98
96
94
92
90
88
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

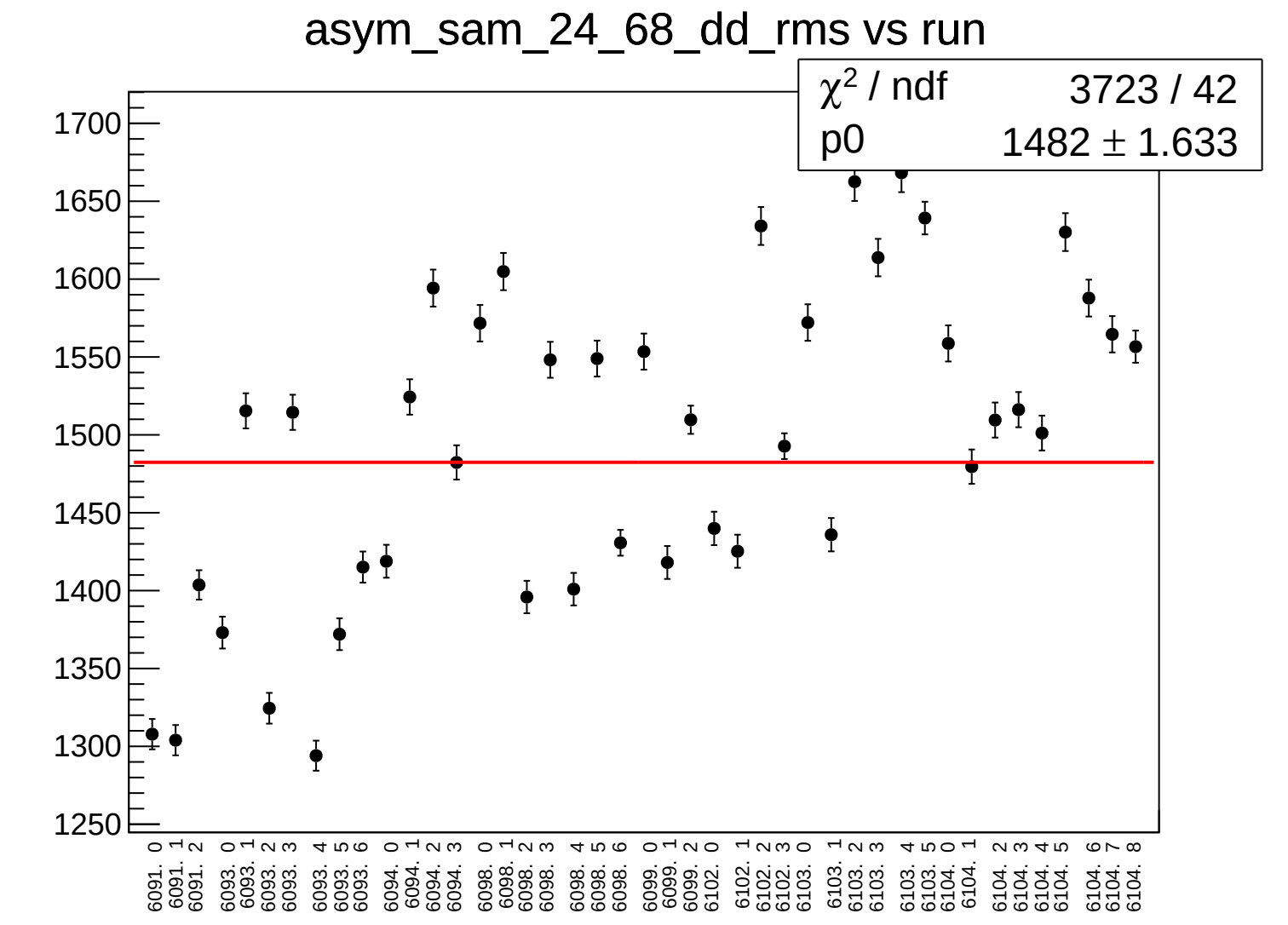

asym_sam_24_68_dd_eigen_dit_correction_mean vs run
χ² / ndf 33.75 / 42
p0 393.3 ± 2335
40000
20000
0
−20000
−40000
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 36.75
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

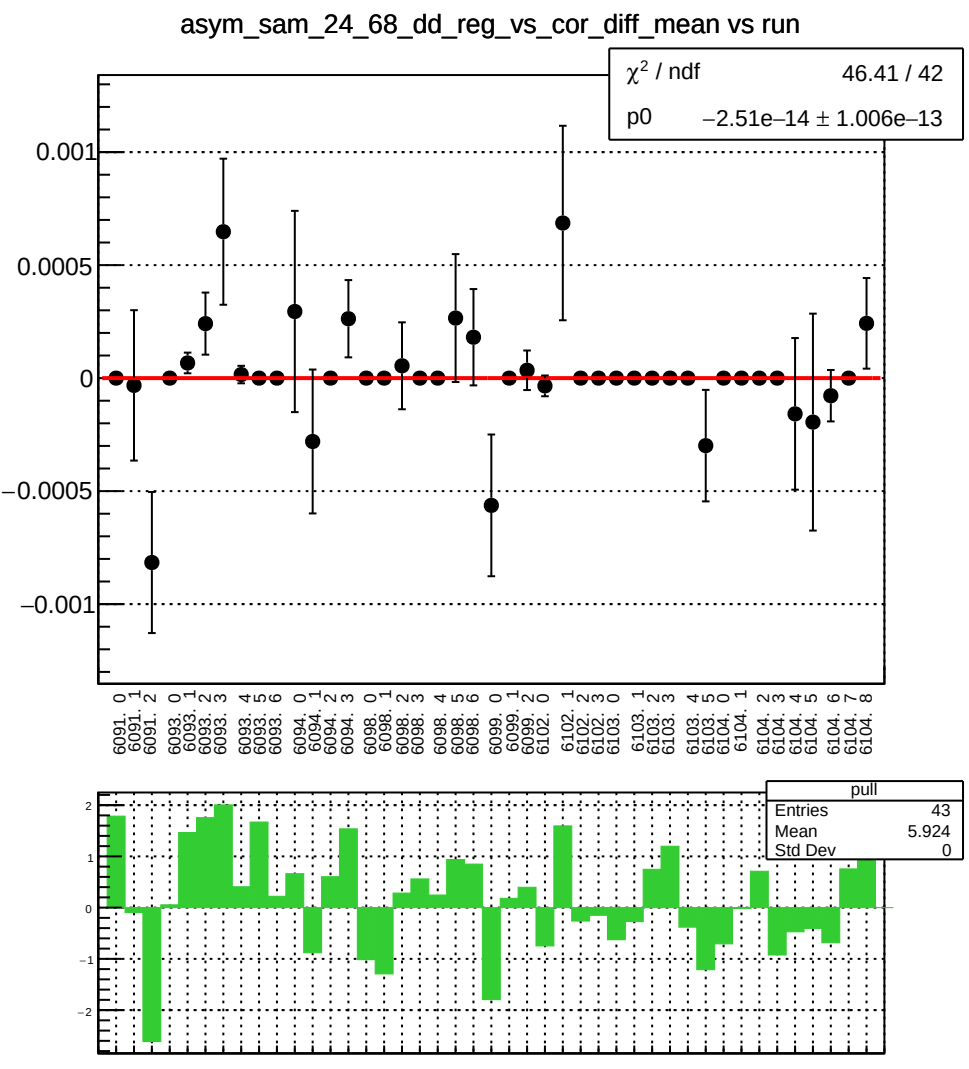

pull1D
Entries 43
Mean 0.004513
Std Dev 0.8859
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

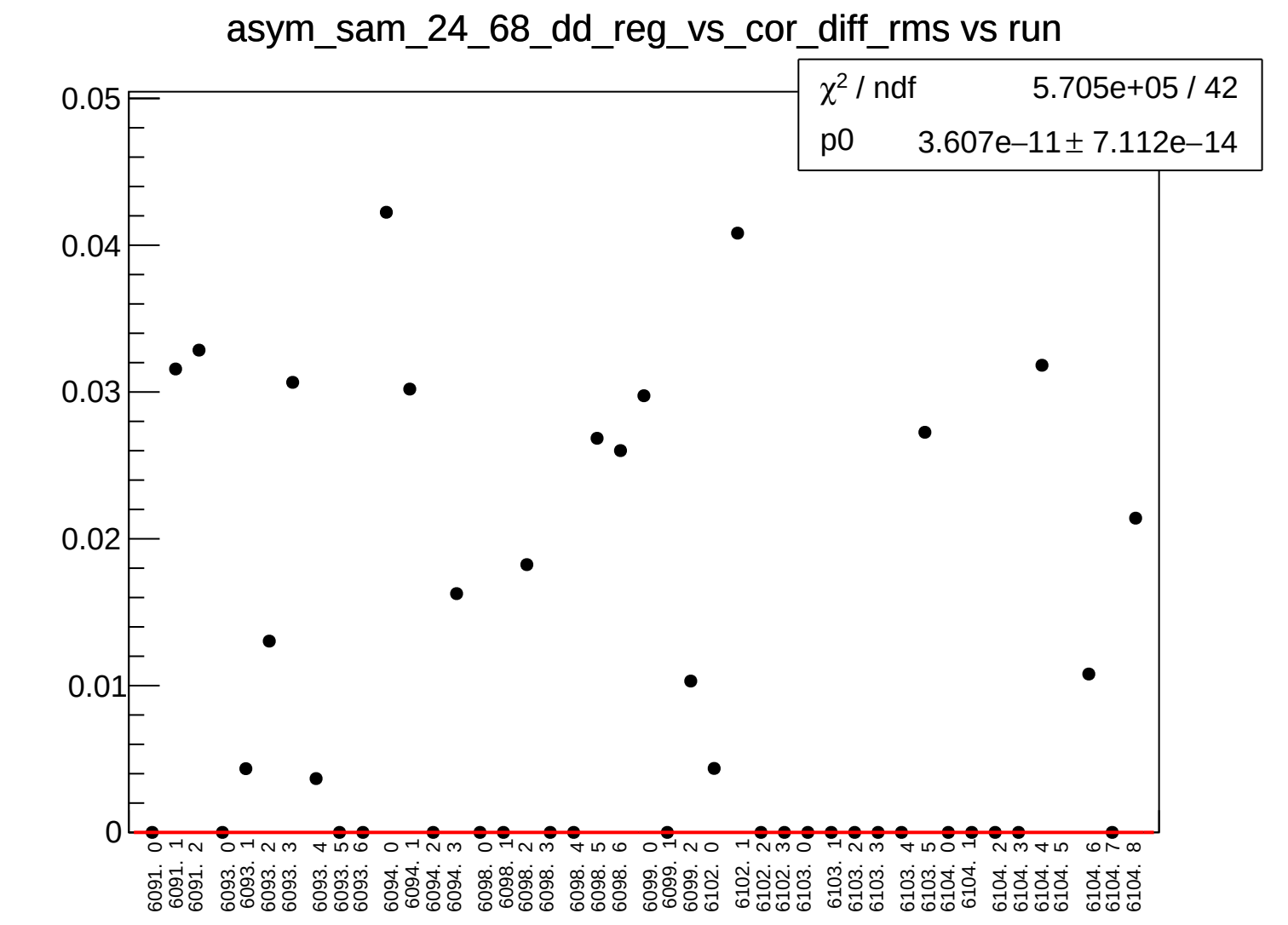

asym_sam_24_68_dd_eigen_dit_correction_rms vs run
χ² / ndf 3801 / 42
p0 1498 ± 1.651
1700
1600
1500
1400
1300
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

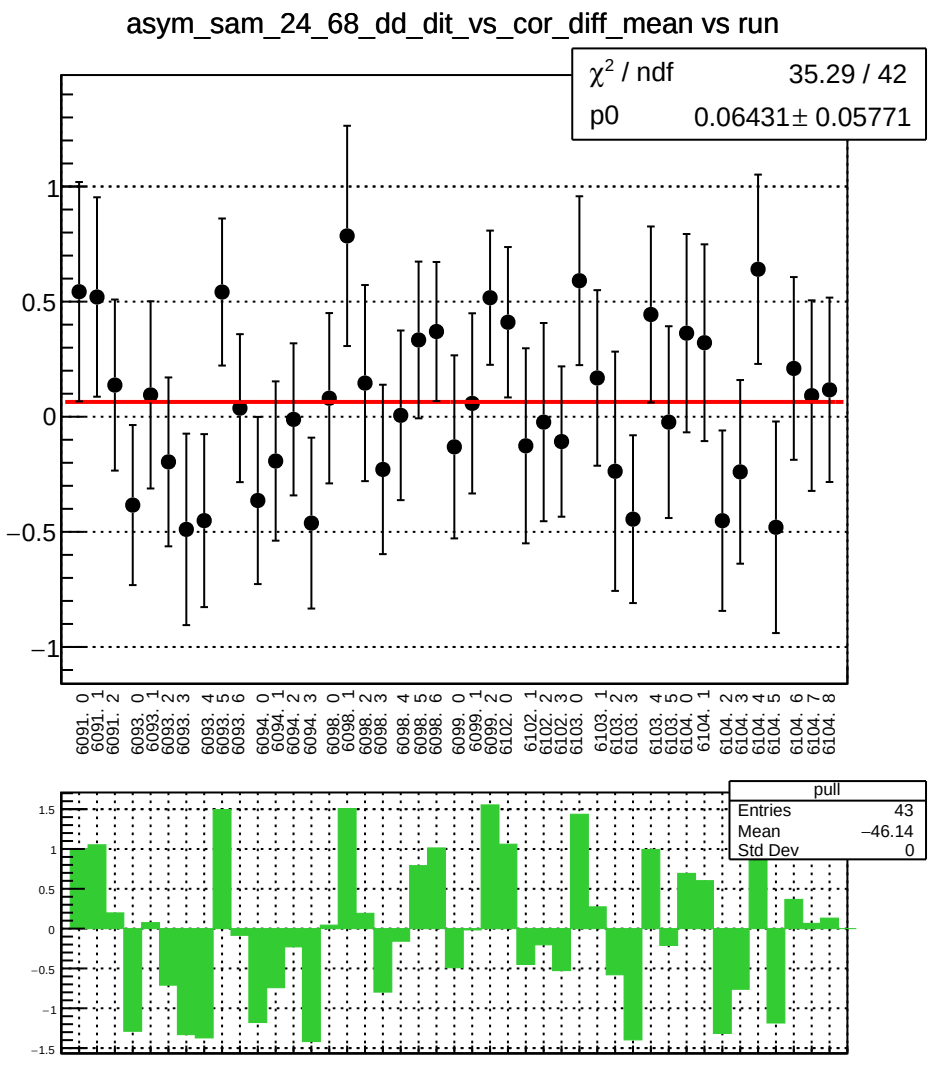

asym_sam_24_68_dd_mean vs run
χ² / ndf 33.3 / 42
p0 −88.96 ± 2310
40000
20000
0
−20000
−40000
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 57.64
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

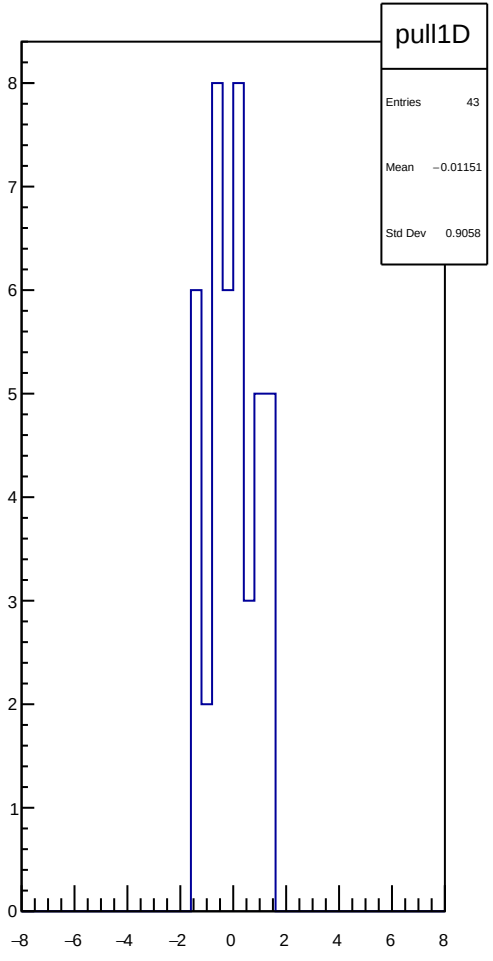

pull1D
Entries 43
Mean −0.002955
Std Dev 0.88
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

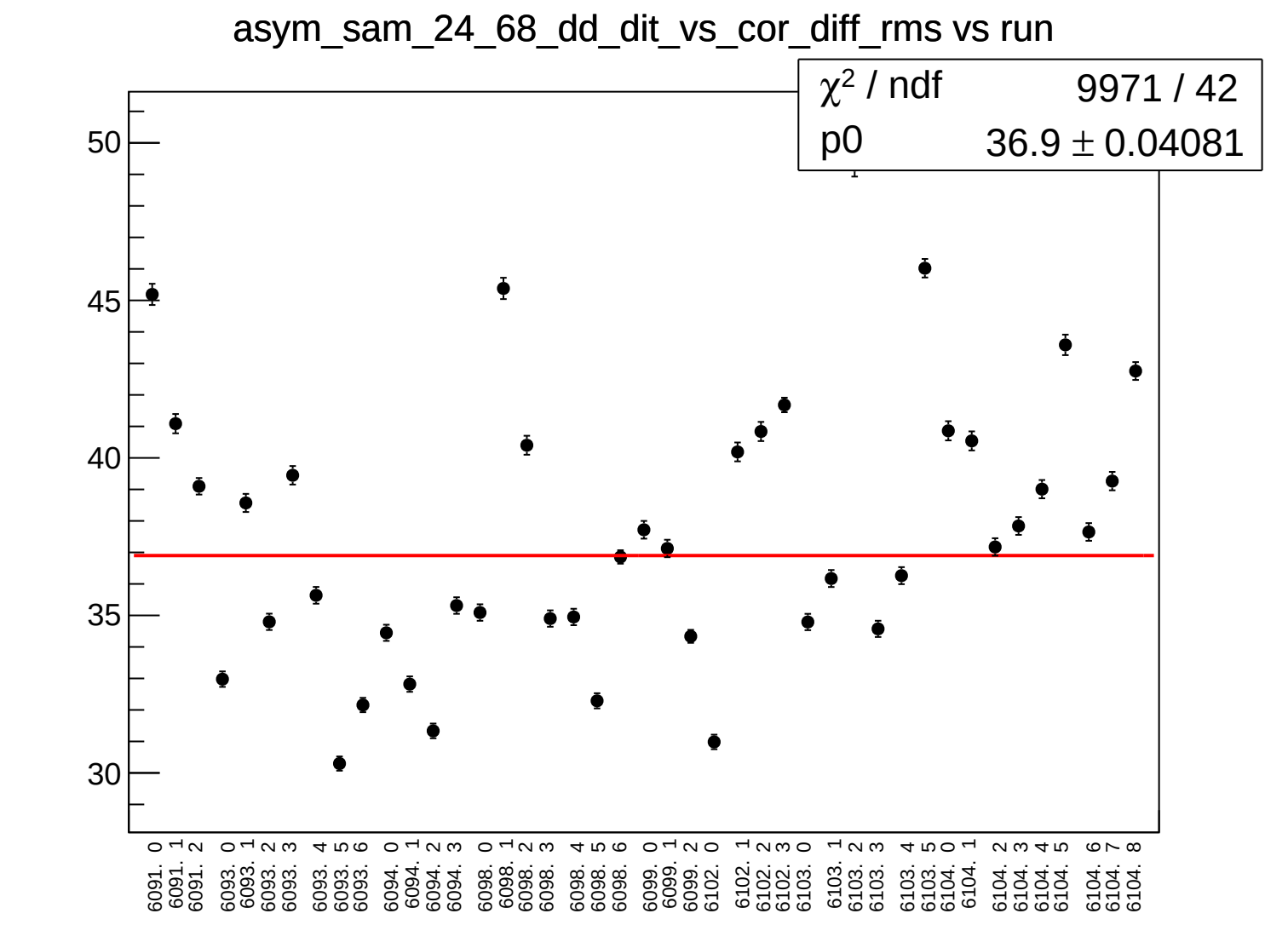

asym_sam_24_68_dd_rms vs run
χ² / ndf 3723 / 42
p0 1482 ± 1.633
1700
1650
1600
1550
1500
1450
1400
1350
1300
1250
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

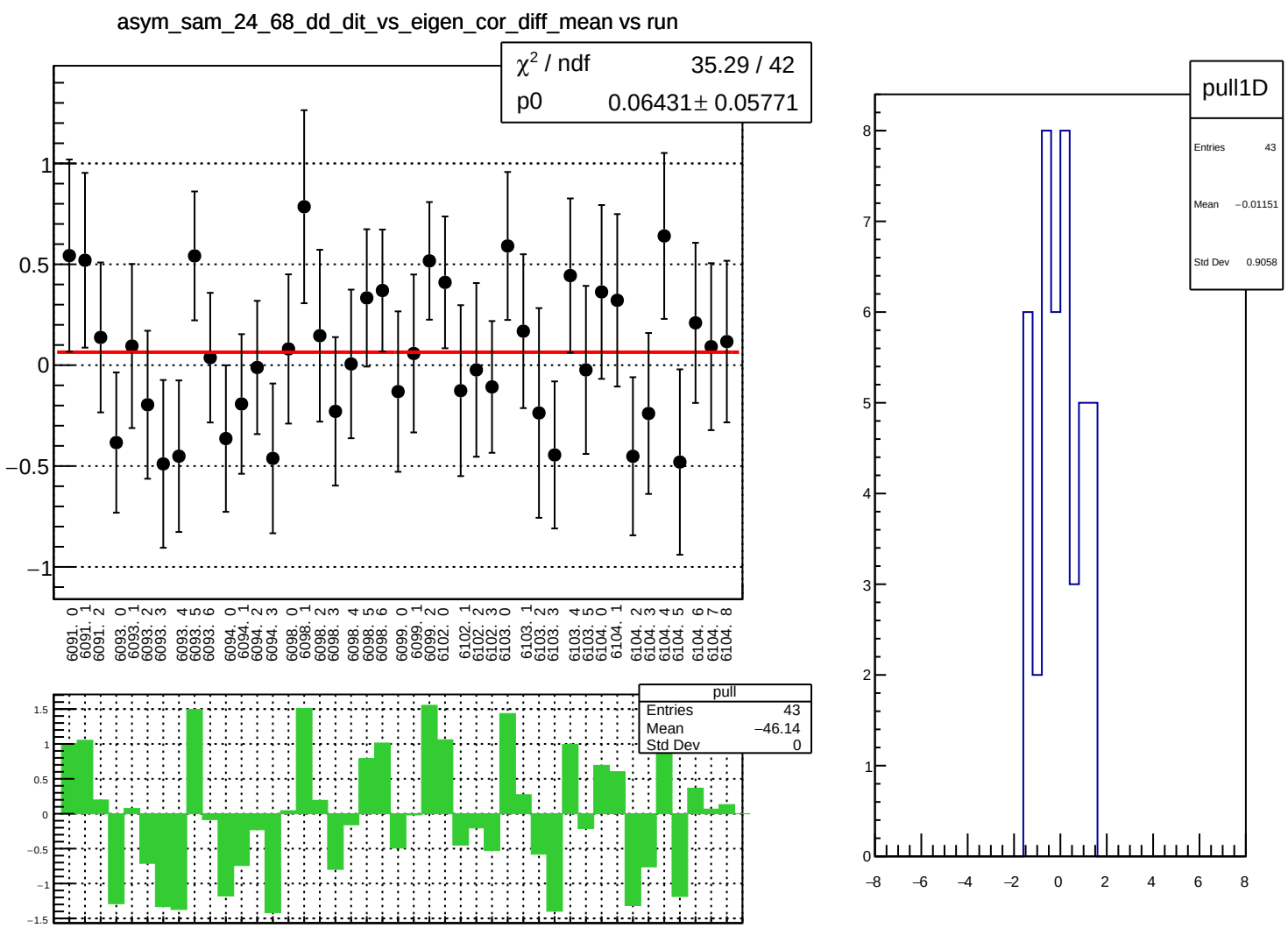

asym_sam_24_68_dd_reg_vs_cor_diff_mean vs run
χ² / ndf 46.41 / 42
p0 −2.51e−14 ± 1.006e−13
0.001
0.0005
0
−0.0005
−0.001
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 5.924
Std Dev 0
2
1
0
−1
−2
pull1D
Entries 43
Mean 0.1694
Std Dev 1.025
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

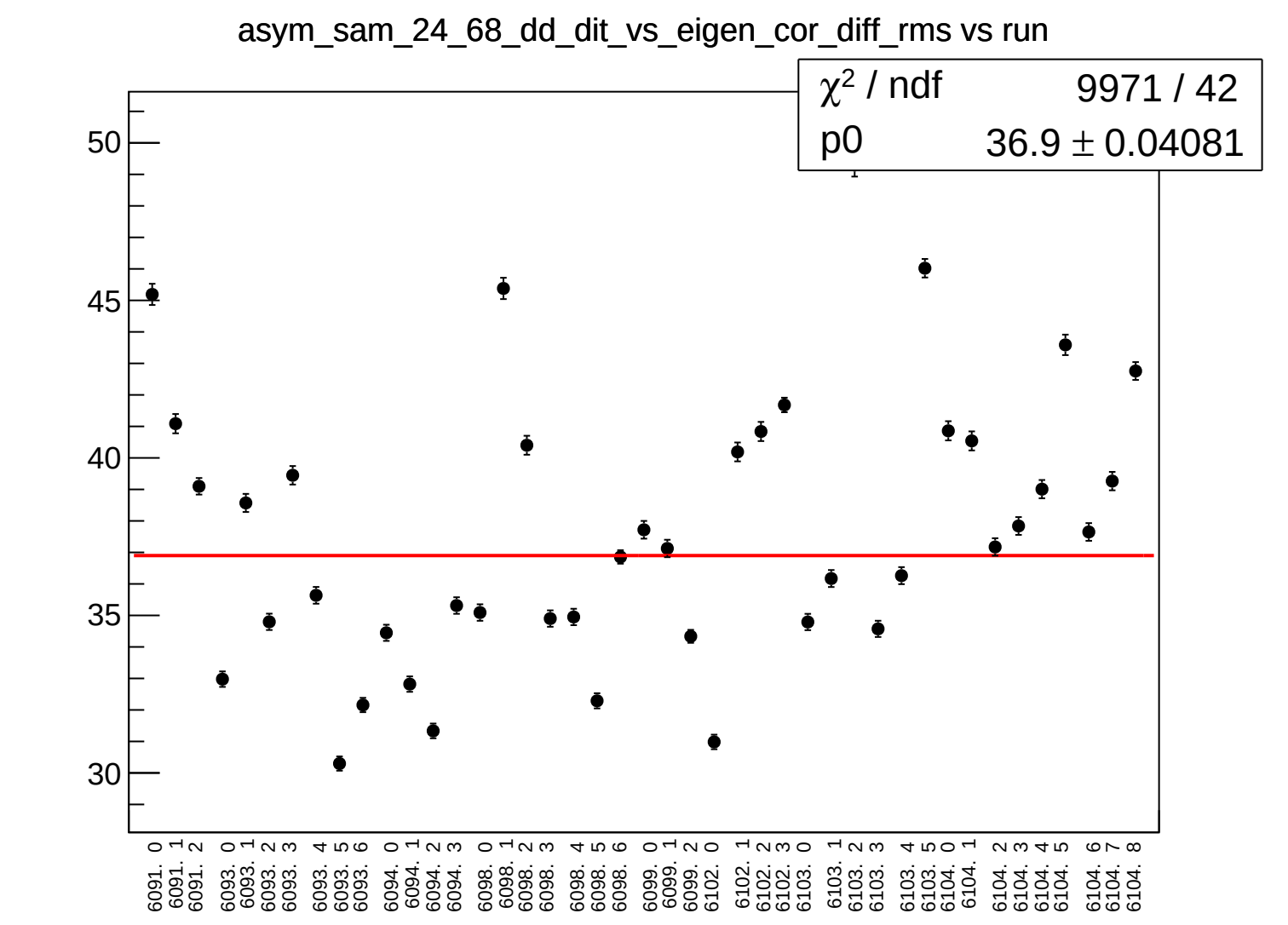

asym_sam_24_68_dd_reg_vs_cor_diff_rms vs run
χ² / ndf 5.705e+05 / 42
p0 3.607e−11 ± 7.112e−14
0.05
0.04
0.03
0.02
0.01
0
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

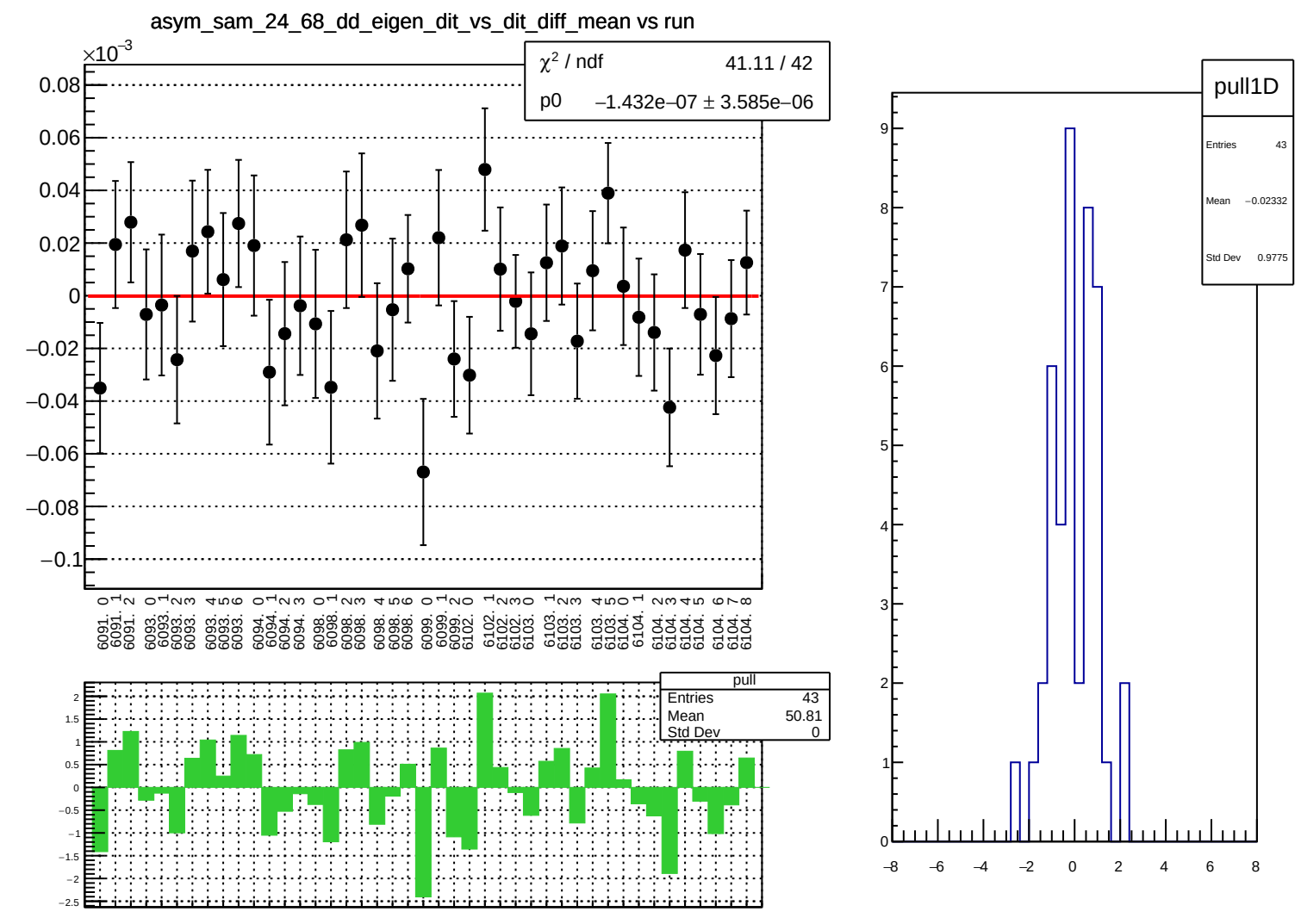

asym_sam_24_68_dd_dit_vs_cor_diff_mean vs run
χ² / ndf 35.29 / 42
p0 0.06431± 0.05771
pull
Entries 43
Mean −46.14
Std Dev 0

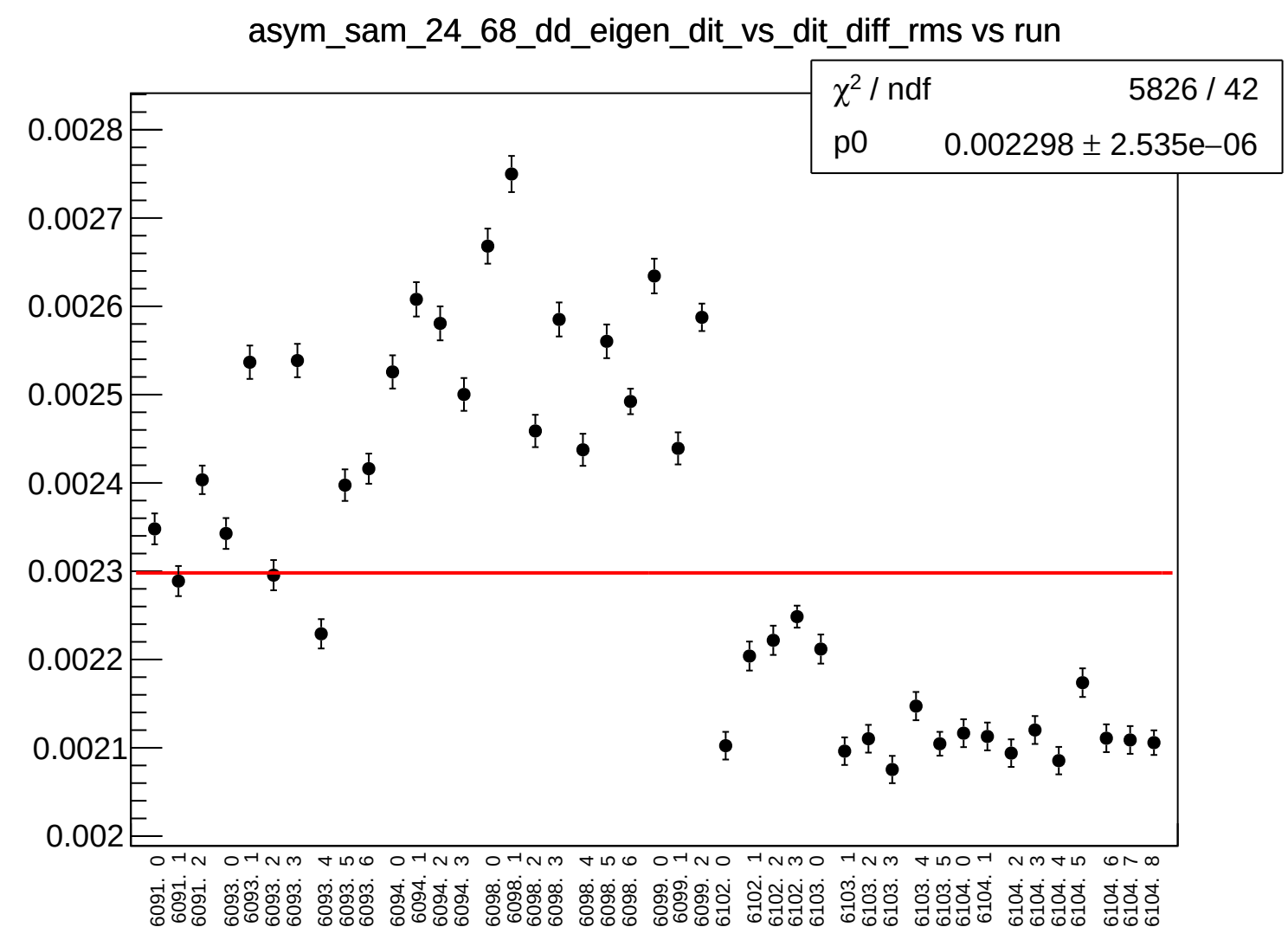

pull1D
Entries 43
Mean −0.01151
Std Dev 0.9058

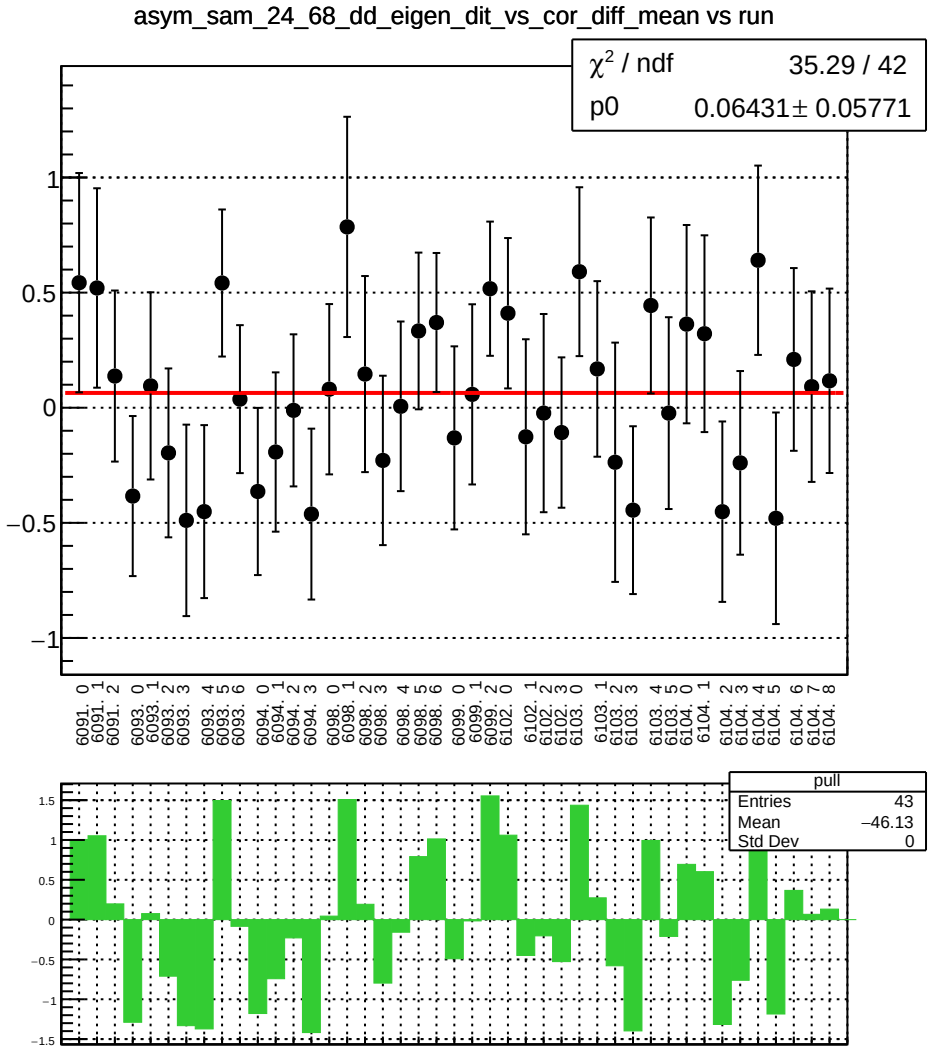

asym_sam_24_68_dd_dit_vs_cor_diff_rms vs run
χ² / ndf 9971 / 42
p0 36.9 ± 0.04081
50
45
40
35
30
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

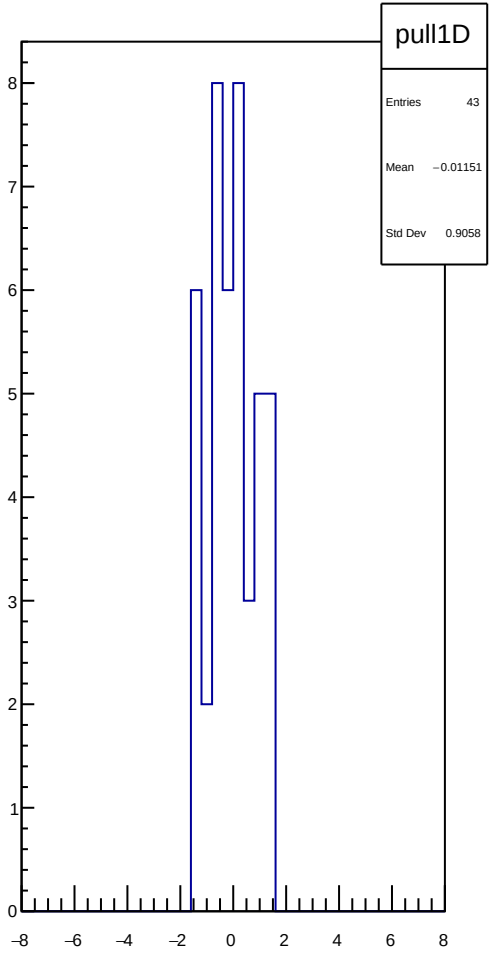

asym_sam_24_68_dd_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 35.29 / 42
p0 0.06431± 0.05771
pull
Entries 43
Mean −46.14
Std Dev 0
pull1D
Entries 43
Mean −0.01151
Std Dev 0.9058

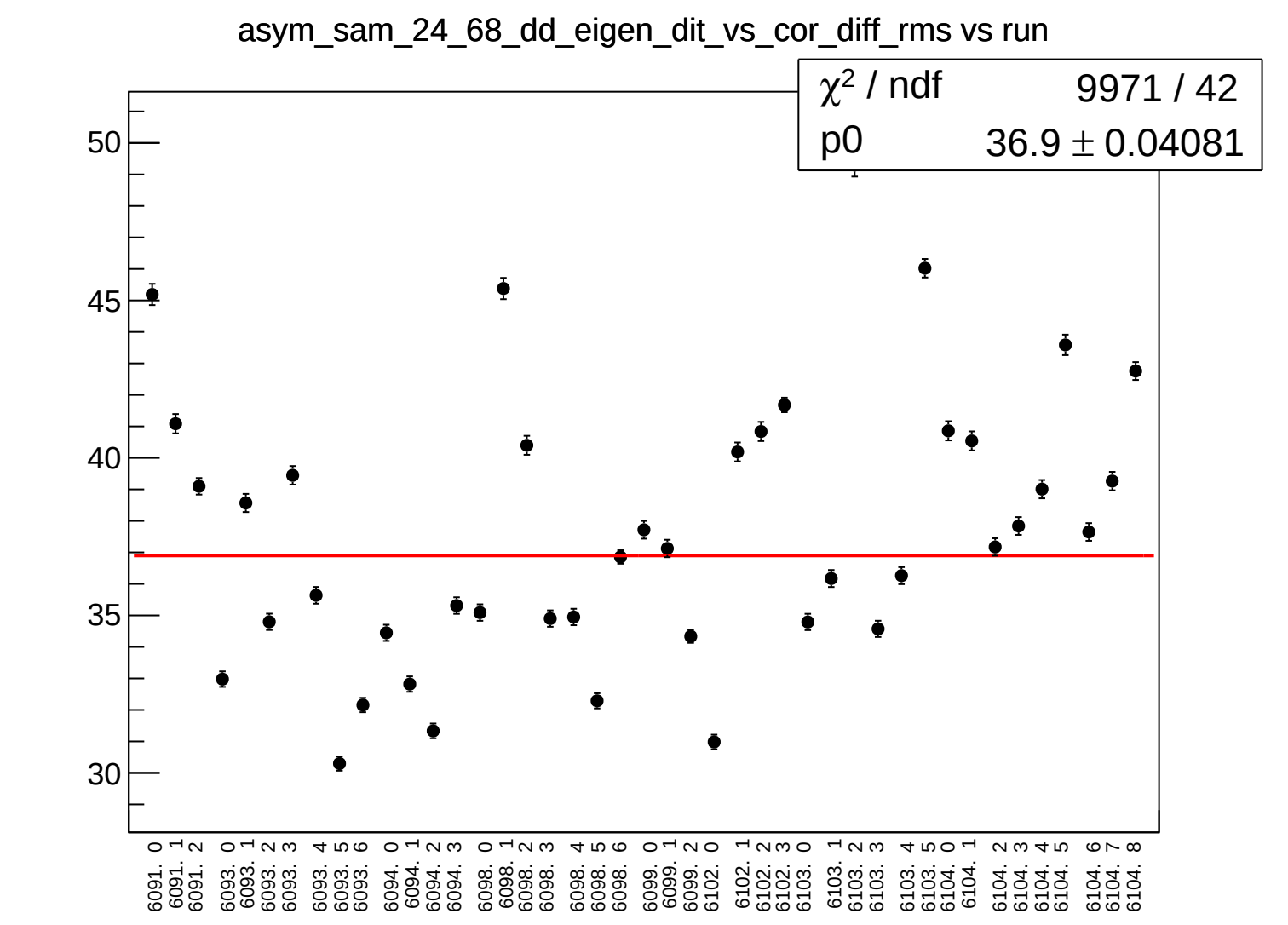

asym_sam_24_68_dd_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 9971 / 42
p0 36.9 ± 0.04081
50
45
40
35
30
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8


asym_sam_24_68_dd_eigen_dit_vs_dit_diff_mean vs run
×10^−3
χ² / ndf 41.11 / 42
p0 −1.432e−07 ± 3.585e−06
0.08
0.06
0.04
0.02
0
−0.02
−0.04
−0.06
−0.08
−0.1
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 50.81
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5
pull1D
Entries 43
Mean −0.02332
Std Dev 0.9775
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

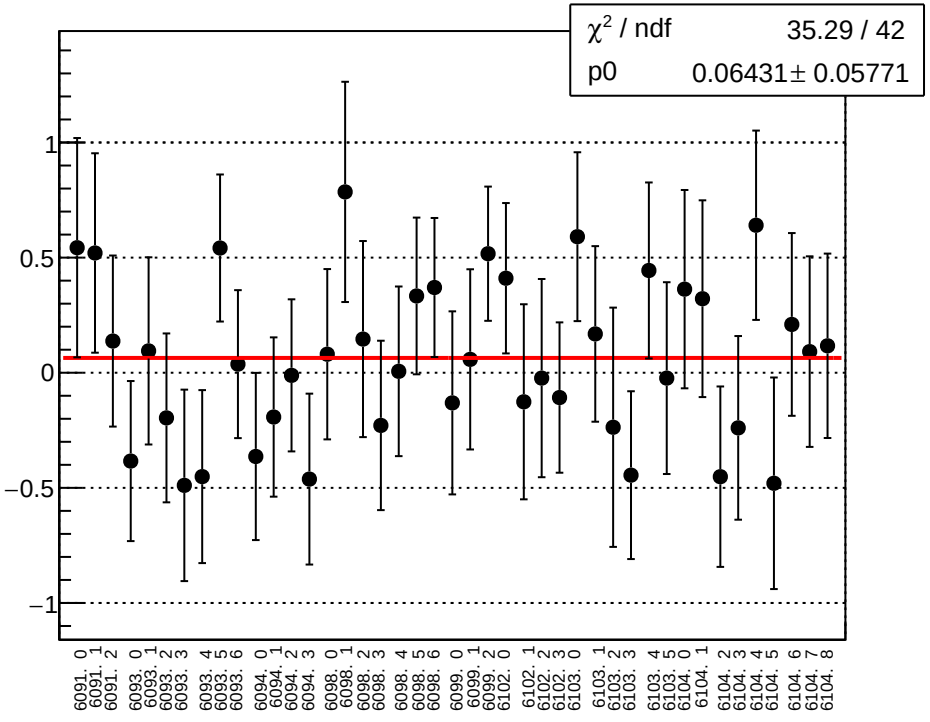

asym_sam_24_68_dd_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 5826 / 42
p0 0.002298 ± 2.535e−06
0.0028
0.0027
0.0026
0.0025
0.0024
0.0023
0.0022
0.0021
0.002
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

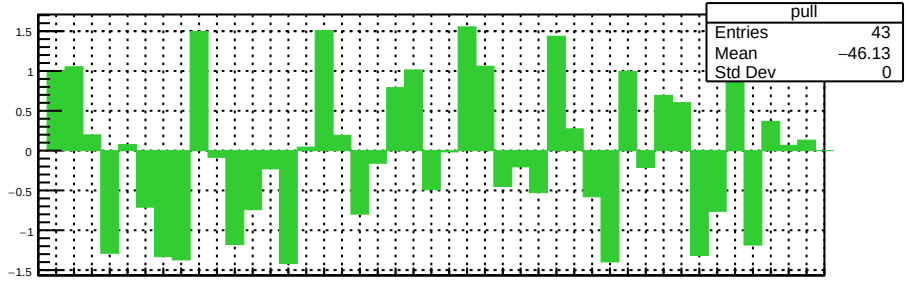

asym_sam_24_68_dd_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 35.29 / 42
p0 0.06431± 0.05771
pull
Entries 43
Mean −46.13
Std Dev 0

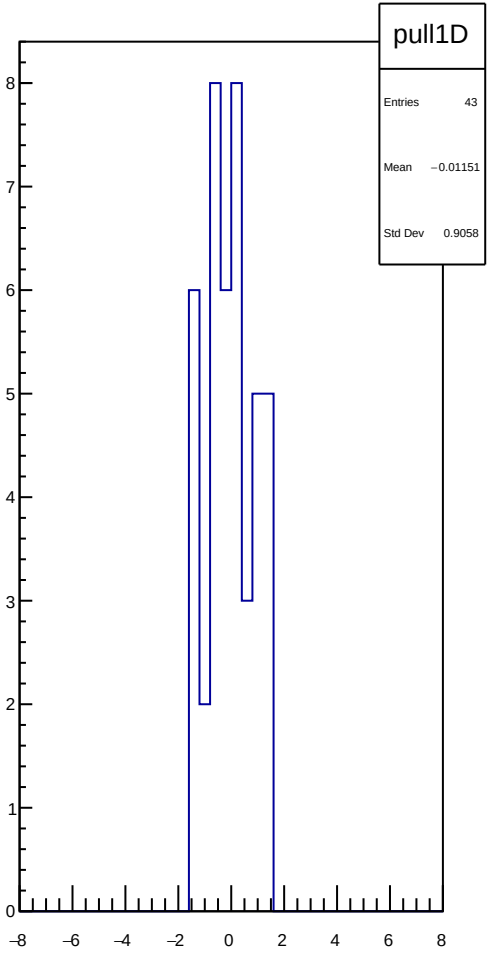

pull1D
Entries 43
Mean −0.01151
Std Dev 0.9058

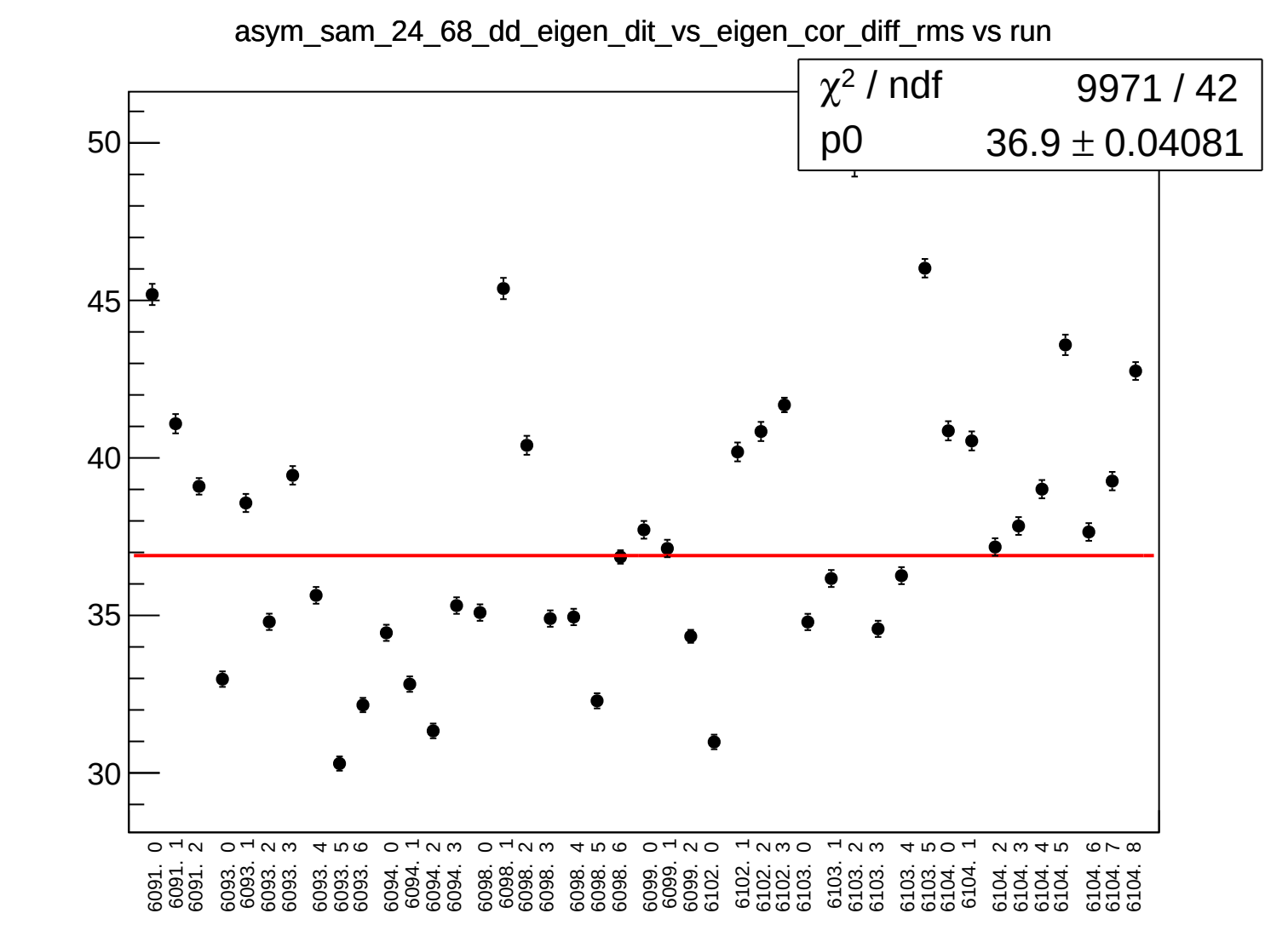

asym_sam_24_68_dd_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 9971 / 42
p0 36.9 ± 0.04081
50
45
40
35
30
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

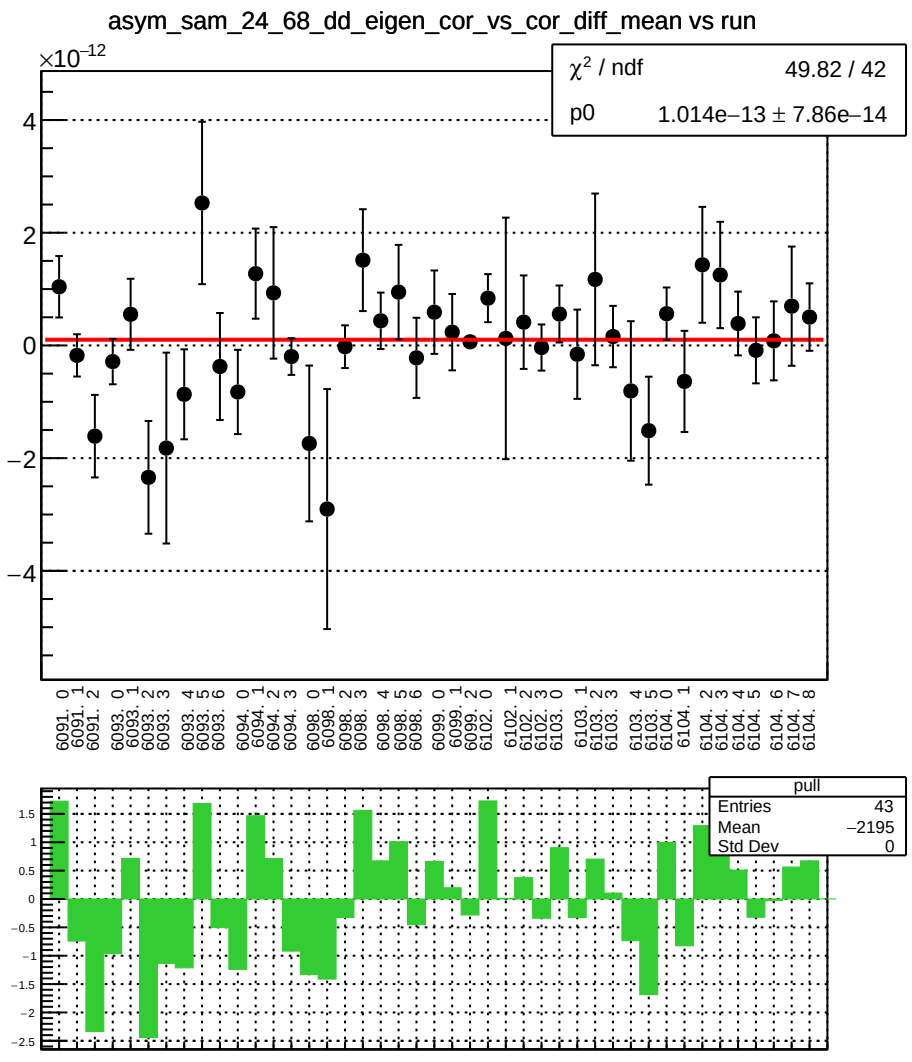
asym_sam_24_68_dd_eigen_dit_vs_eigen_cor_diff_mean vs run

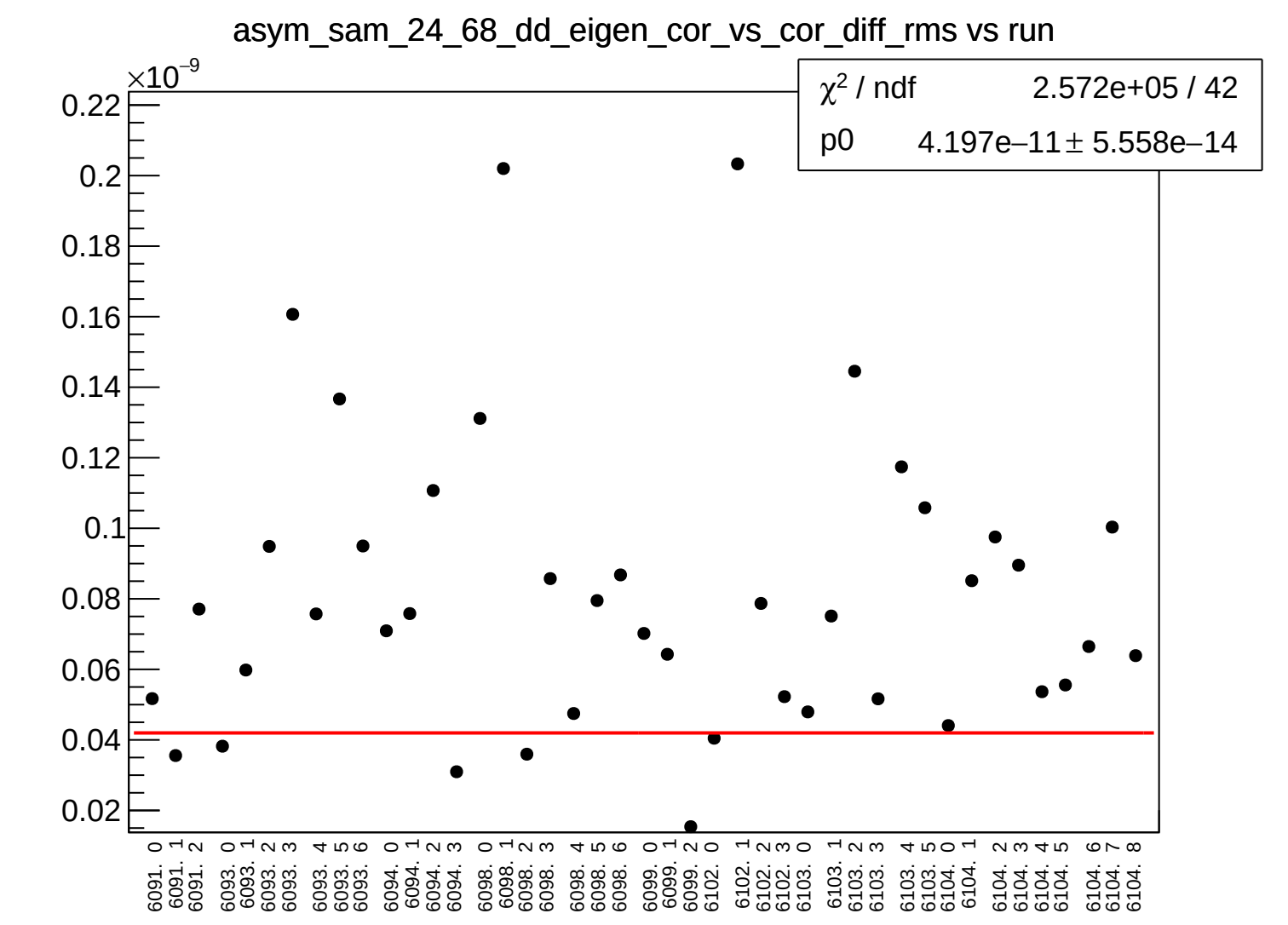


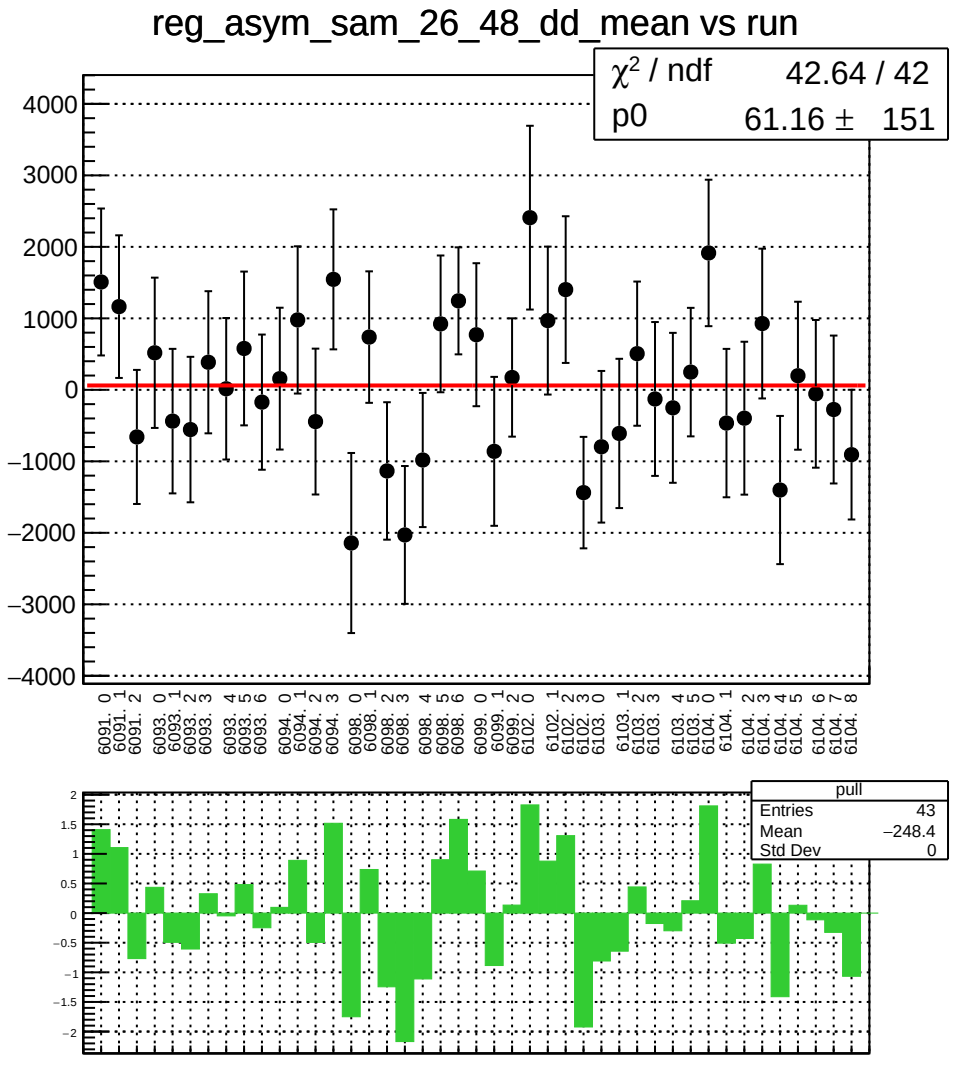


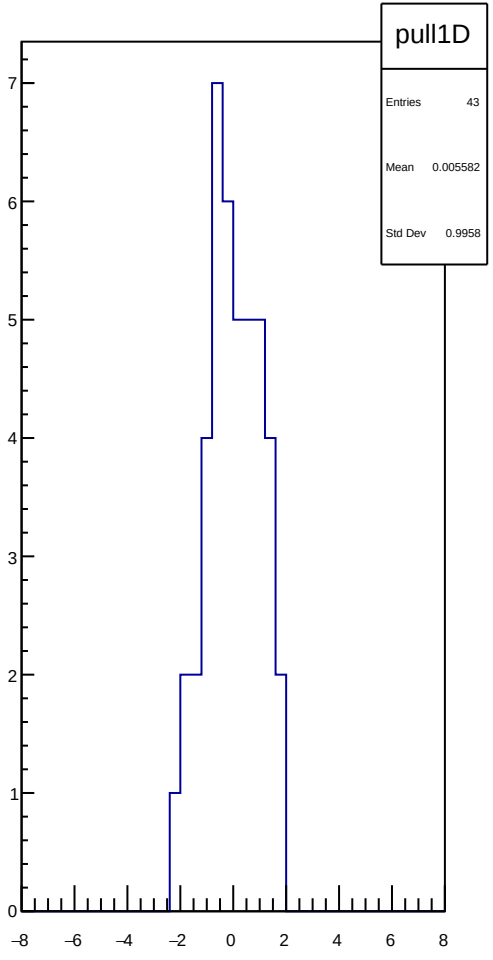


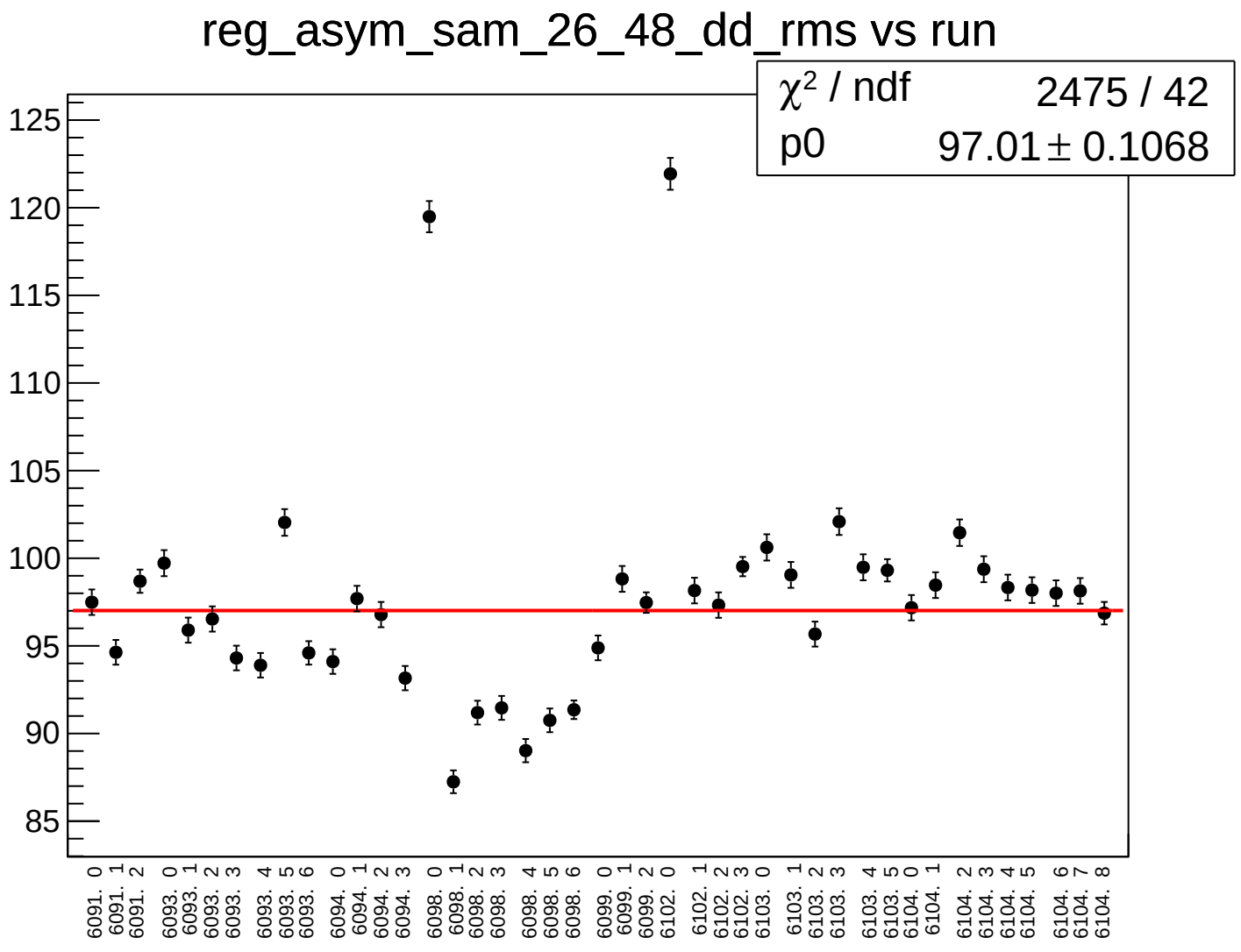

asym_sam_24_68_dd_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 9971 / 42
p0 36.9 ± 0.04081
50
45
40
35
30
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

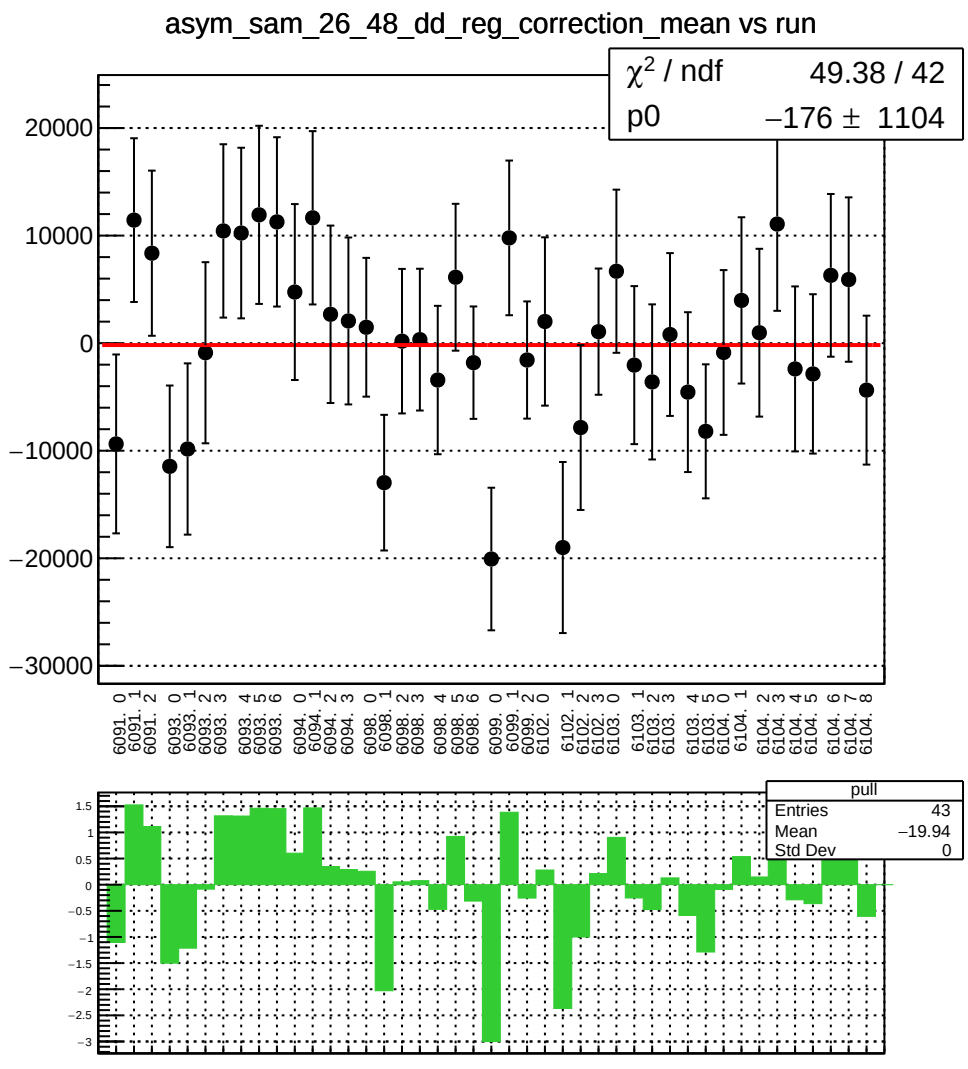

asym_sam_24_68_dd_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 49.82 / 42
p0 1.014e−13 ± 7.86e−14
4
2
0
−2
−4
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean −2195
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5
pull1D
Entries 43
Mean −0.001577
Std Dev 1.076
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

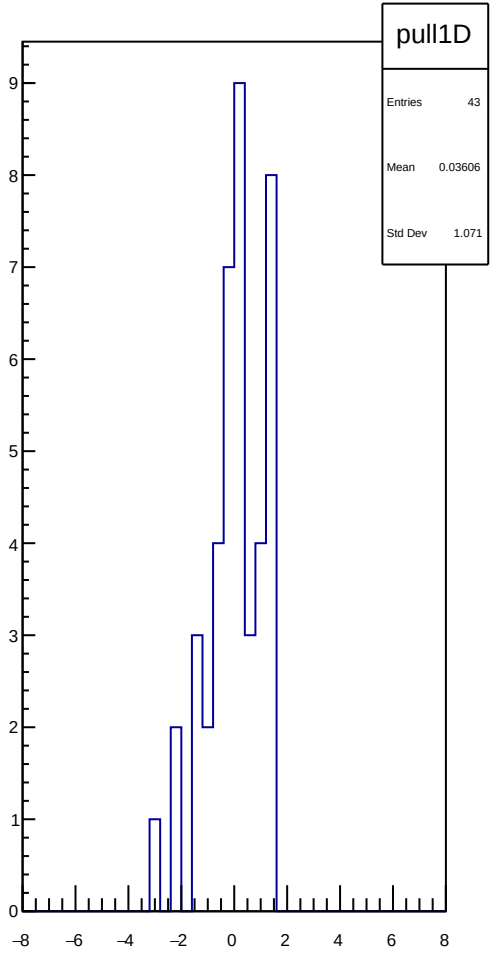

asym_sam_24_68_dd_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 2.572e+05 / 42
p0 4.197e−11 ± 5.558e−14
0.22
0.2
0.18
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

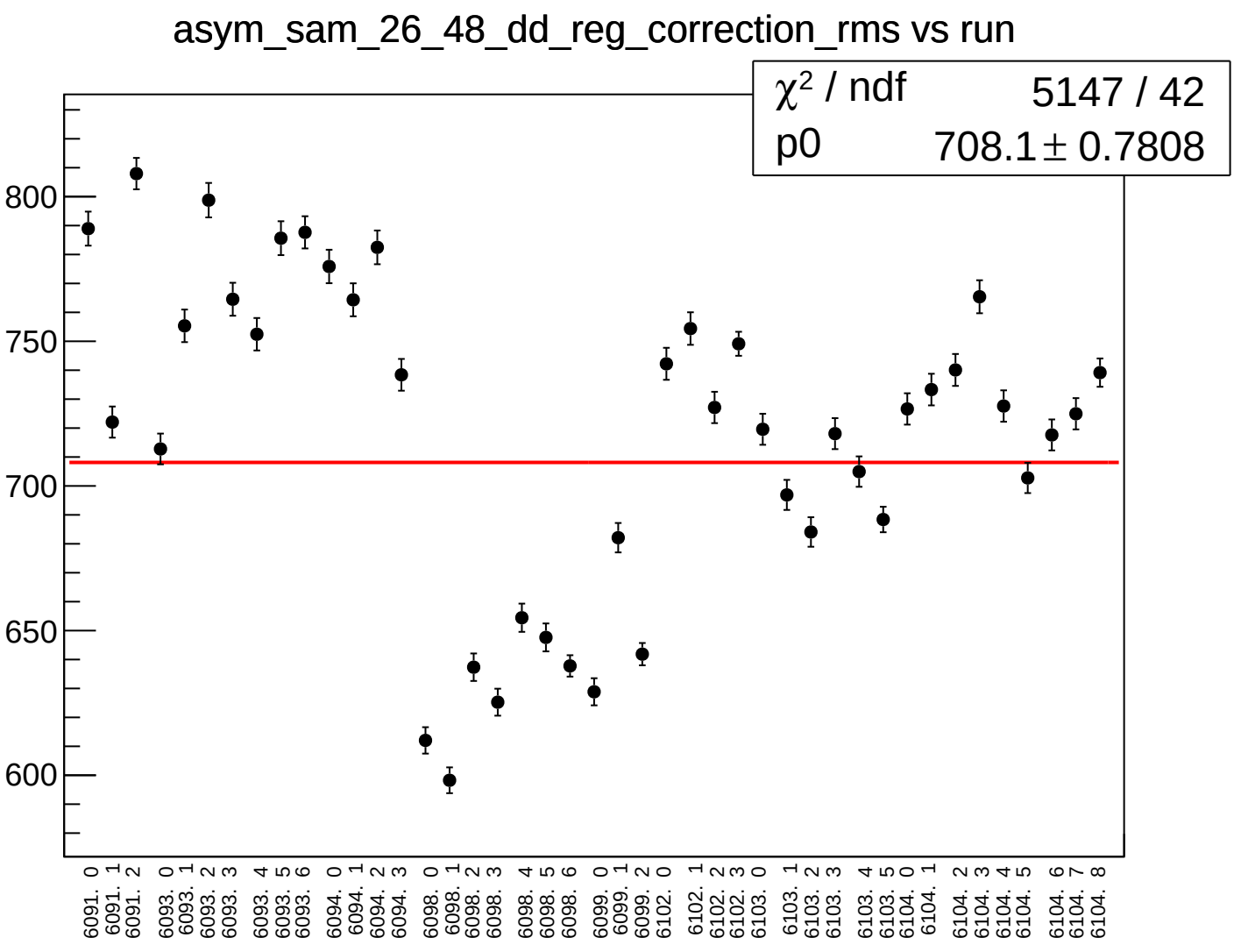

reg_asym_sam_26_48_dd_mean vs run
χ² / ndf 42.64 / 42
p0 61.16 ± 151
4000
3000
2000
1000
0
−1000
−2000
−3000
−4000
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean −248.4
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

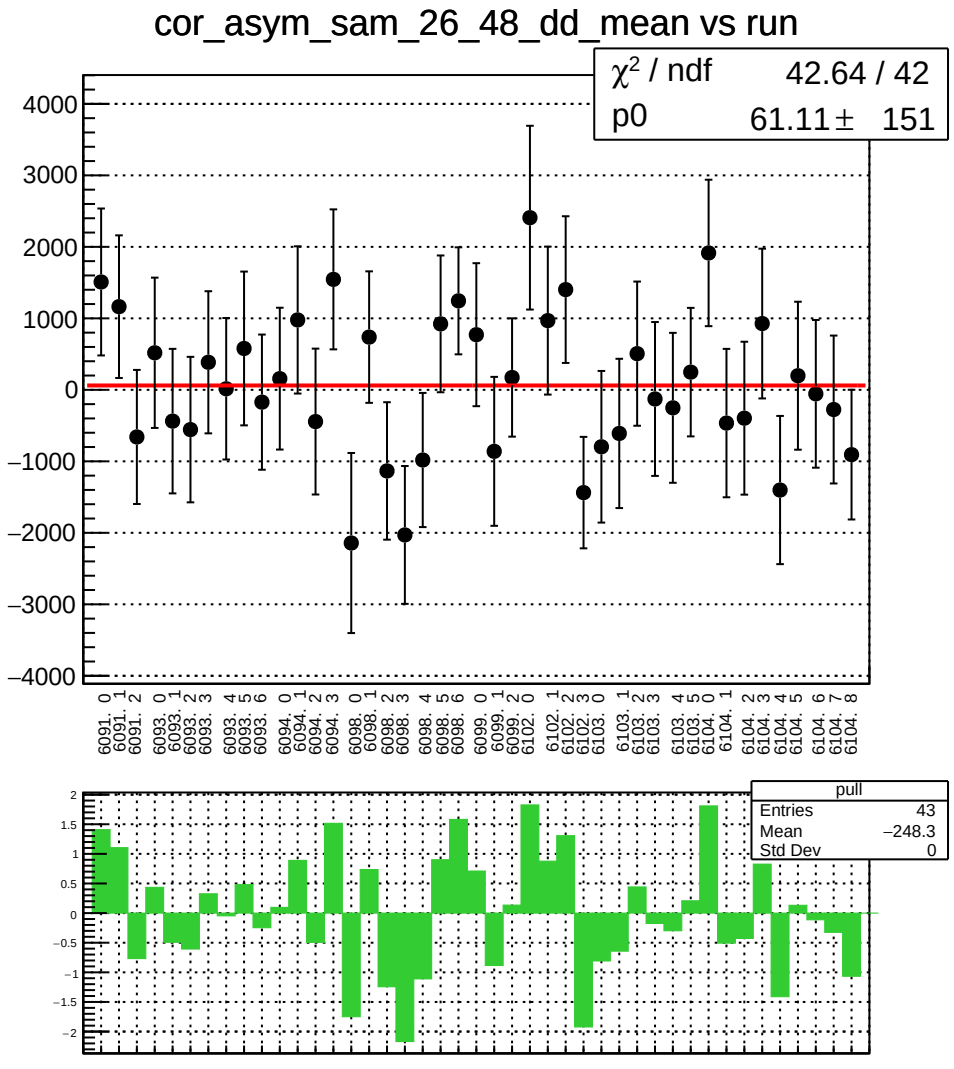

pull1D
Entries 43
Mean 0.005582
Std Dev 0.9958
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

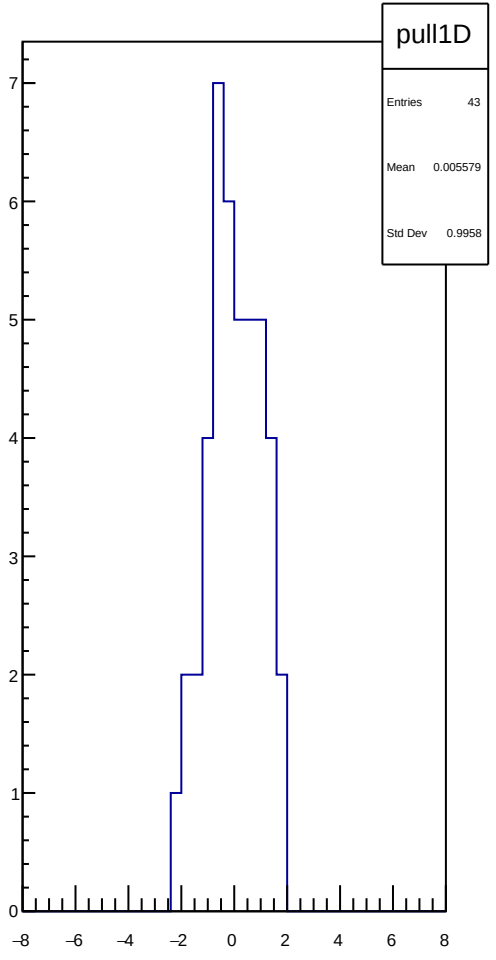

reg_asym_sam_26_48_dd_rms vs run
χ² / ndf 2475 / 42
p0 97.01 ± 0.1068
125
120
115
110
105
100
95
90
85
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

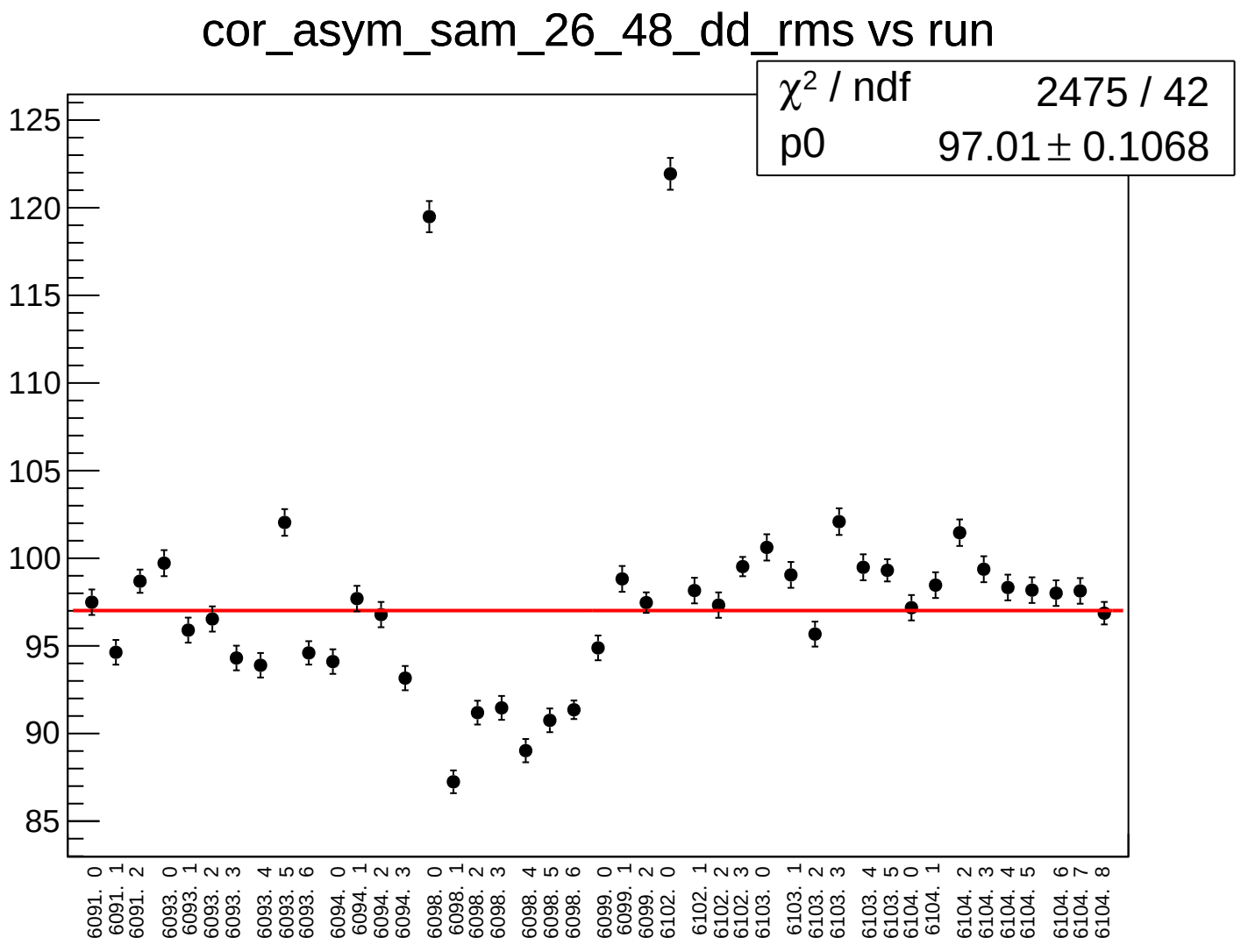

asym_sam_26_48_dd_reg_correction_mean vs run
χ² / ndf 49.38 / 42
p0 −176 ± 1104
20000
10000
0
−10000
−20000
−30000
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean −19.94
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5
−3

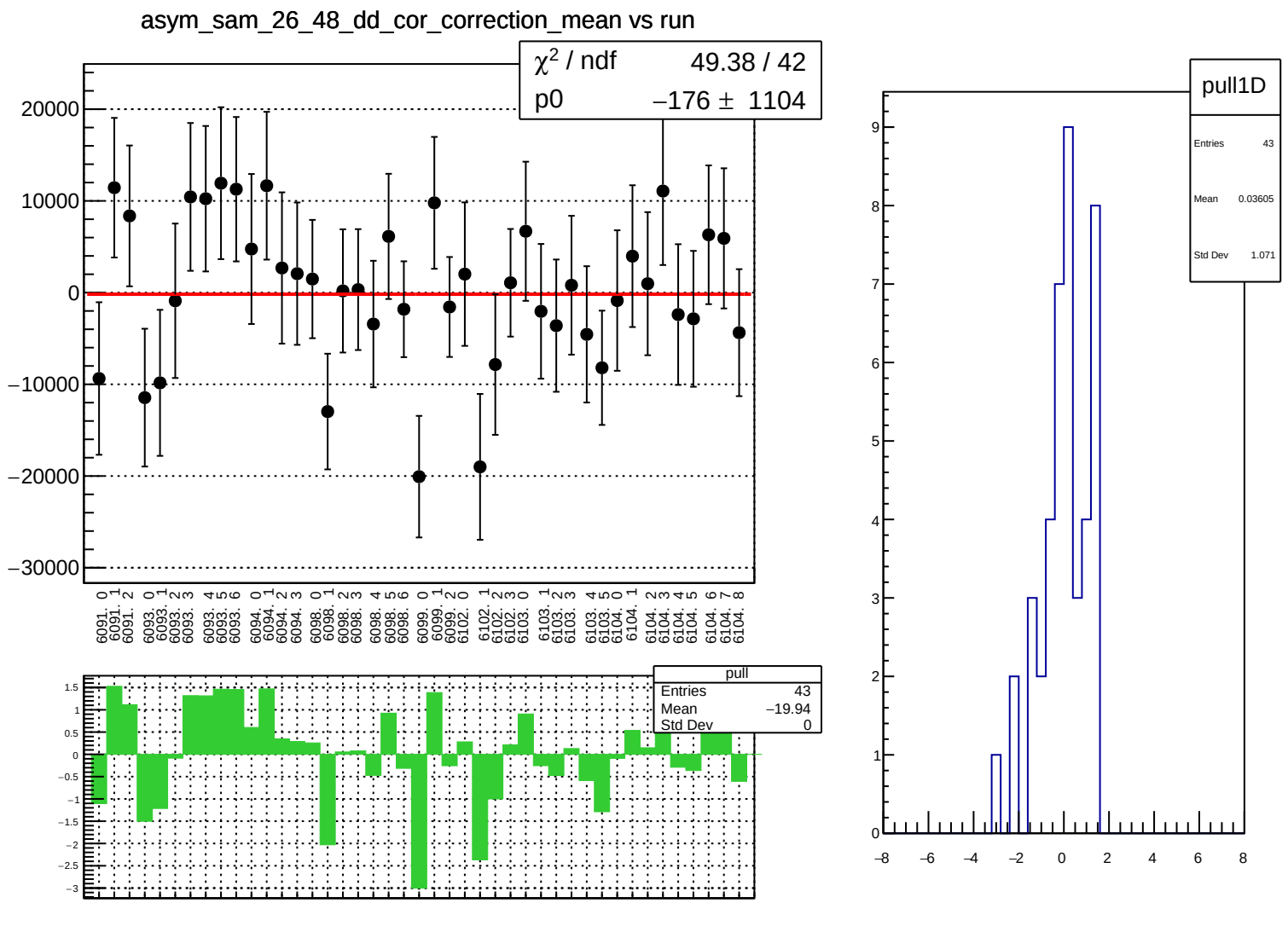

pull1D
Entries 43
Mean 0.03606
Std Dev 1.071
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

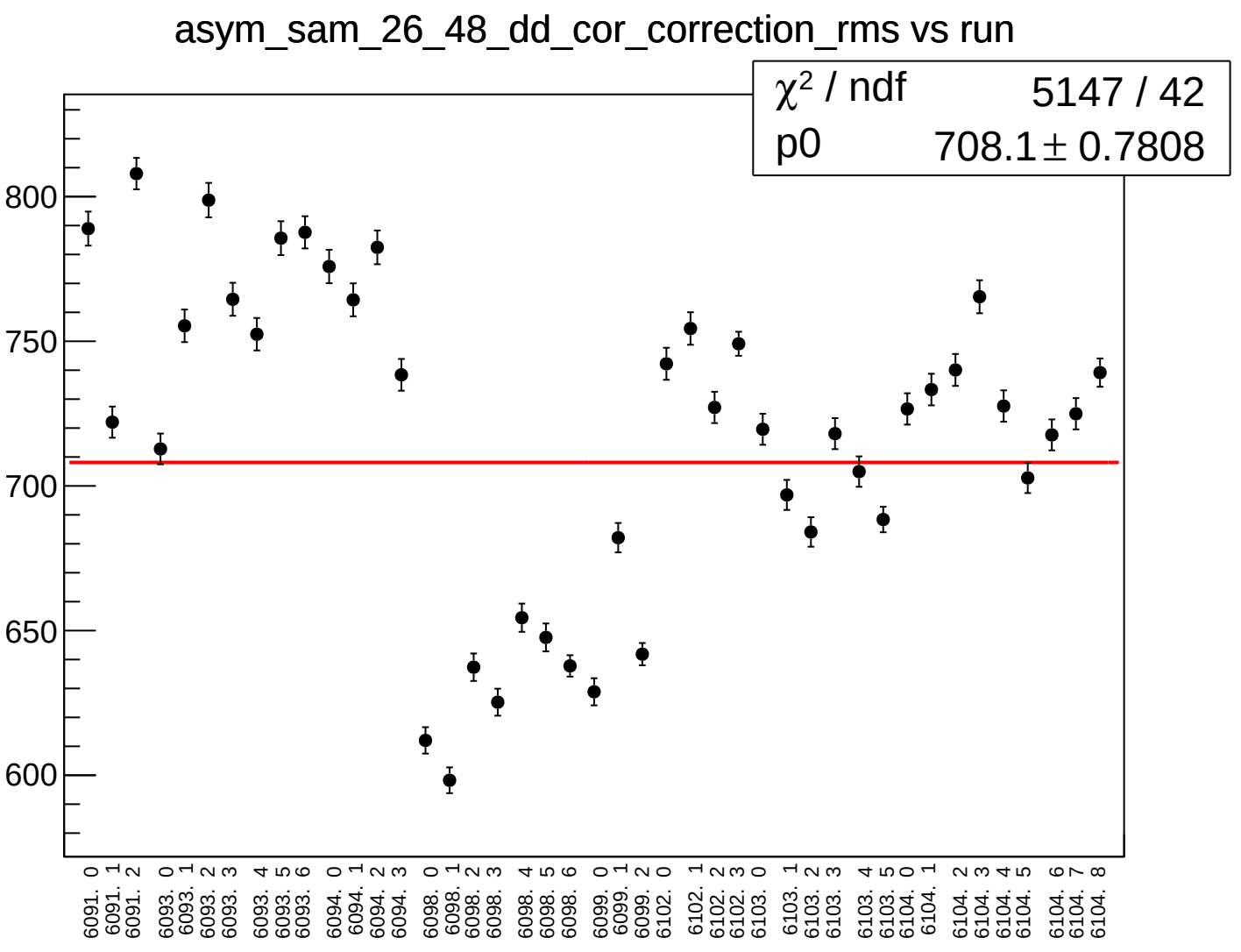

asym_sam_26_48_dd_reg_correction_rms vs run
χ² / ndf 5147 / 42
p0 708.1 ± 0.7808
800
750
700
650
600
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

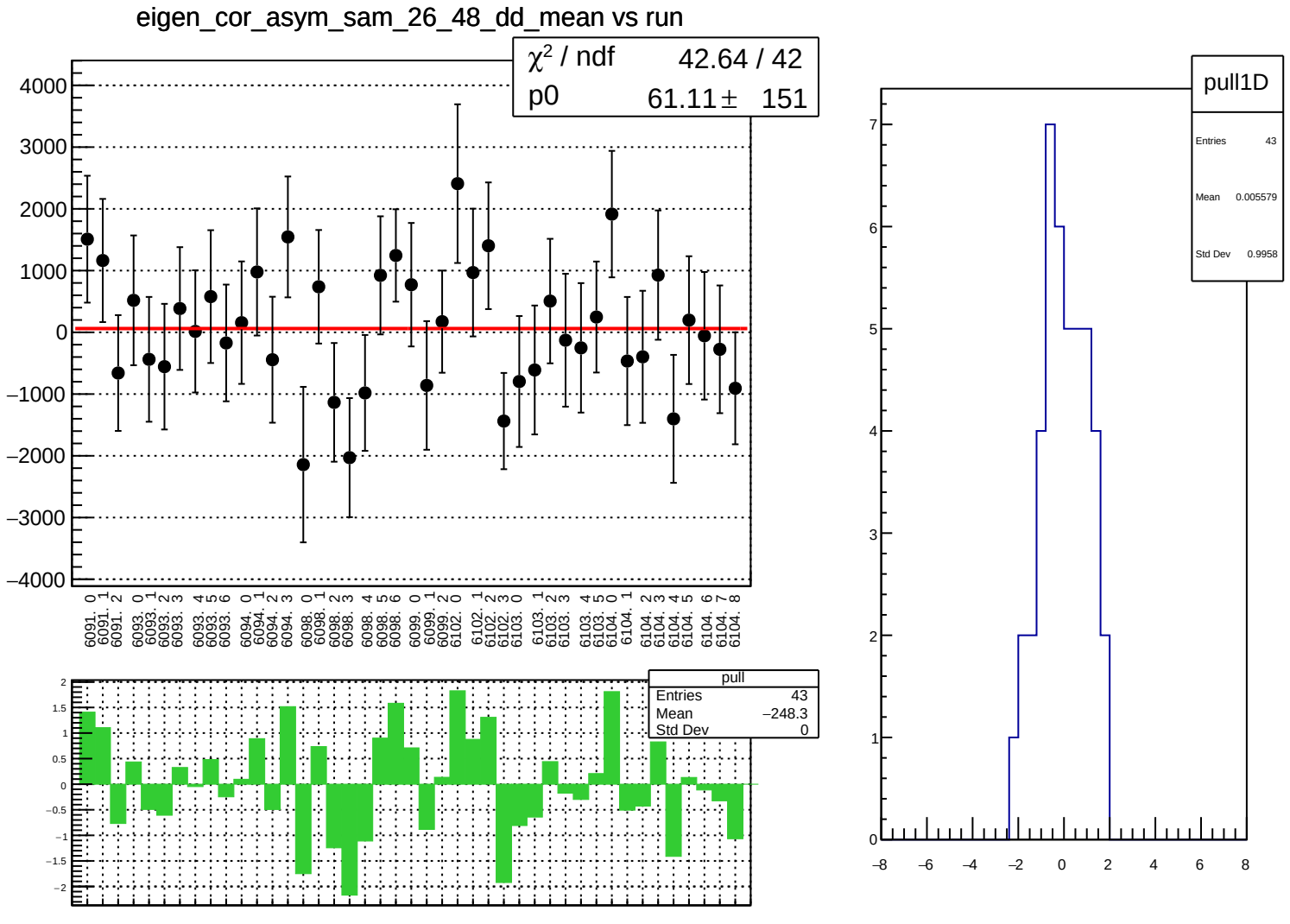

cor_asym_sam_26_48_dd_mean vs run
χ² / ndf 42.64 / 42
p0 61.11 ± 151
pull
Entries 43
Mean −248.3
Std Dev 0

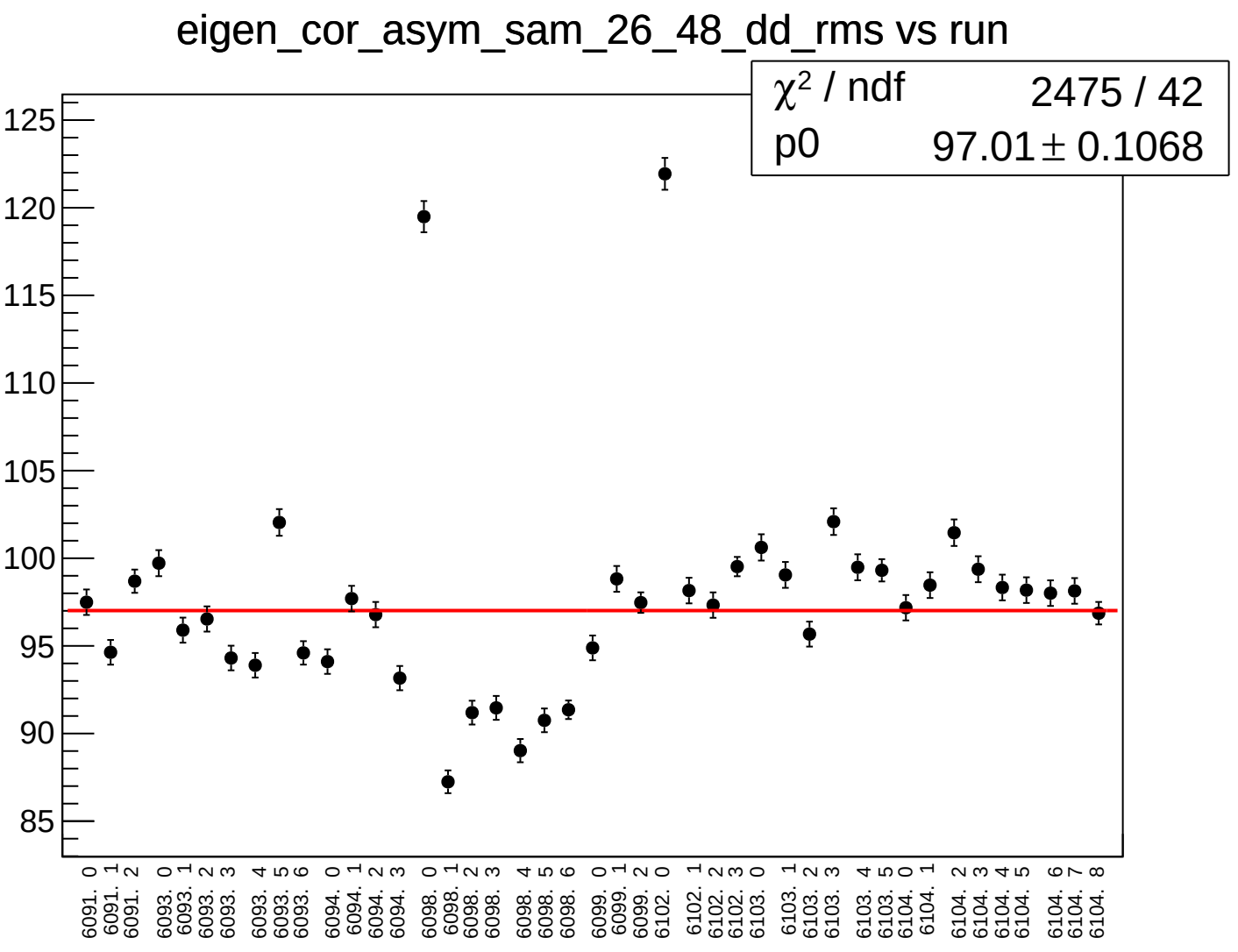

pull1D
Entries 43
Mean 0.005579
Std Dev 0.9958

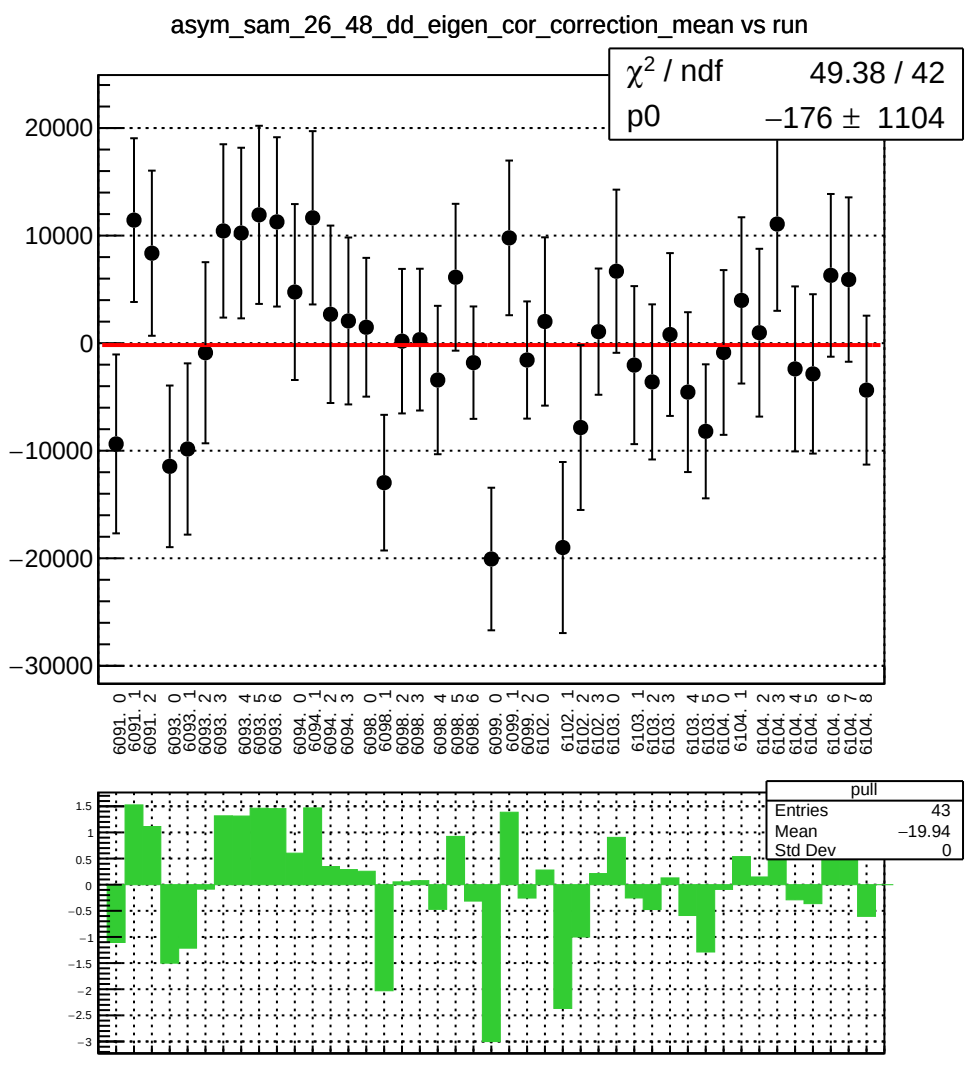

cor_asym_sam_26_48_dd_rms vs run
χ² / ndf 2475 / 42
p0 97.01 ± 0.1068
125
120
115
110
105
100
95
90
85
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

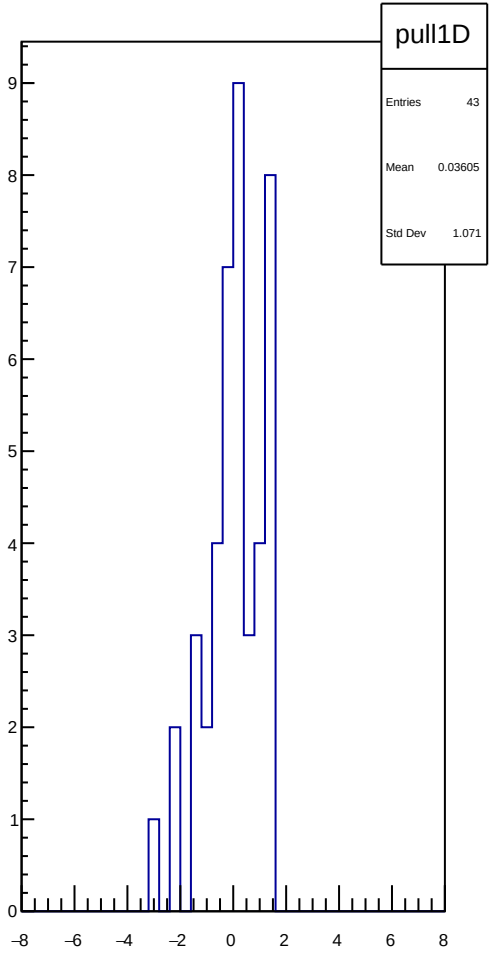

asym_sam_26_48_dd_cor_correction_mean vs run
χ² / ndf 49.38 / 42
p0 −176 ± 1104
20000
10000
0
−10000
−20000
−30000
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean −19.94
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5
−3
pull1D
Entries 43
Mean 0.03605
Std Dev 1.071
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

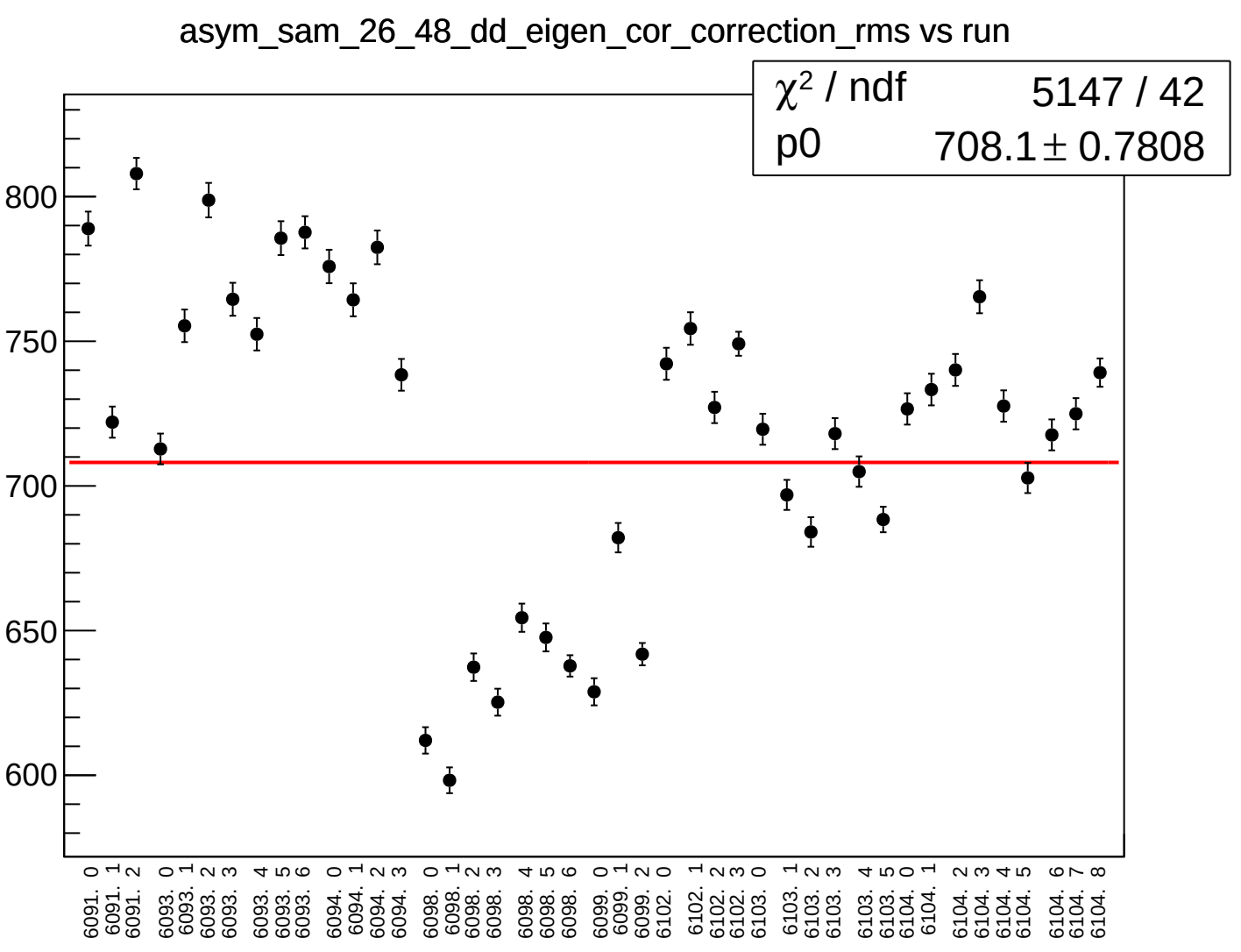

asym_sam_26_48_dd_cor_correction_rms vs run
χ² / ndf 5147 / 42
p0 708.1 ± 0.7808
800
750
700
650
600
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

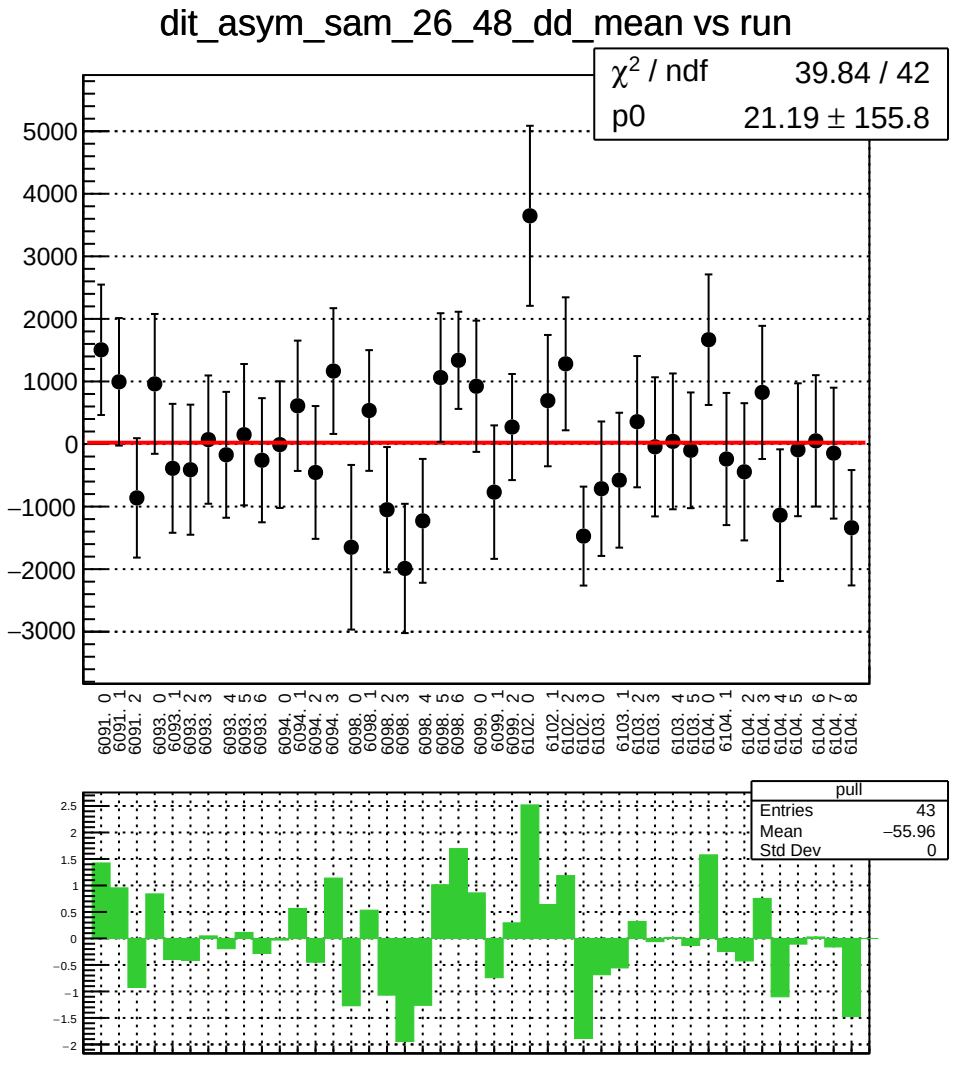

eigen_cor_asym_sam_26_48_dd_mean vs run
χ² / ndf 42.64 / 42
p0 61.11 ± 151
pull
Entries 43
Mean −248.3
Std Dev 0
pull1D
Entries 43
Mean 0.005579
Std Dev 0.9958

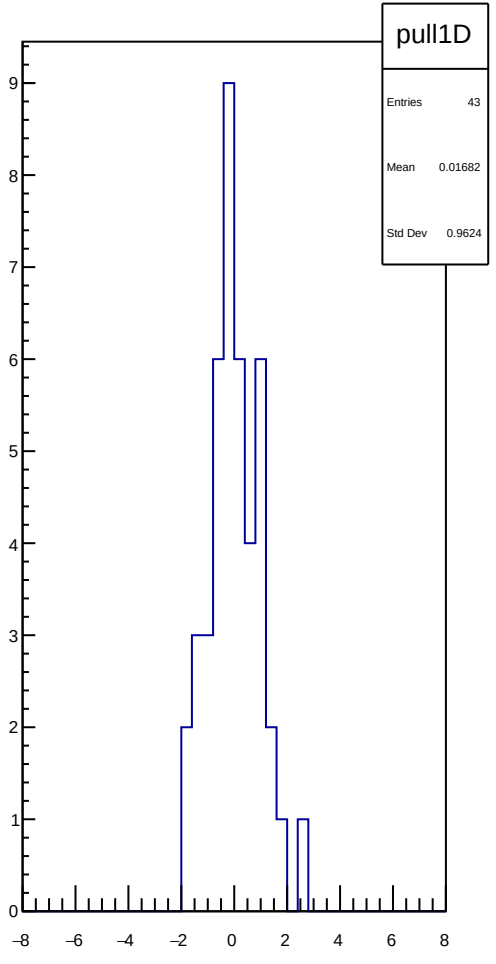

eigen_cor_asym_sam_26_48_dd_rms vs run
χ² / ndf 2475 / 42
p0 97.01 ± 0.1068
125
120
115
110
105
100
95
90
85
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

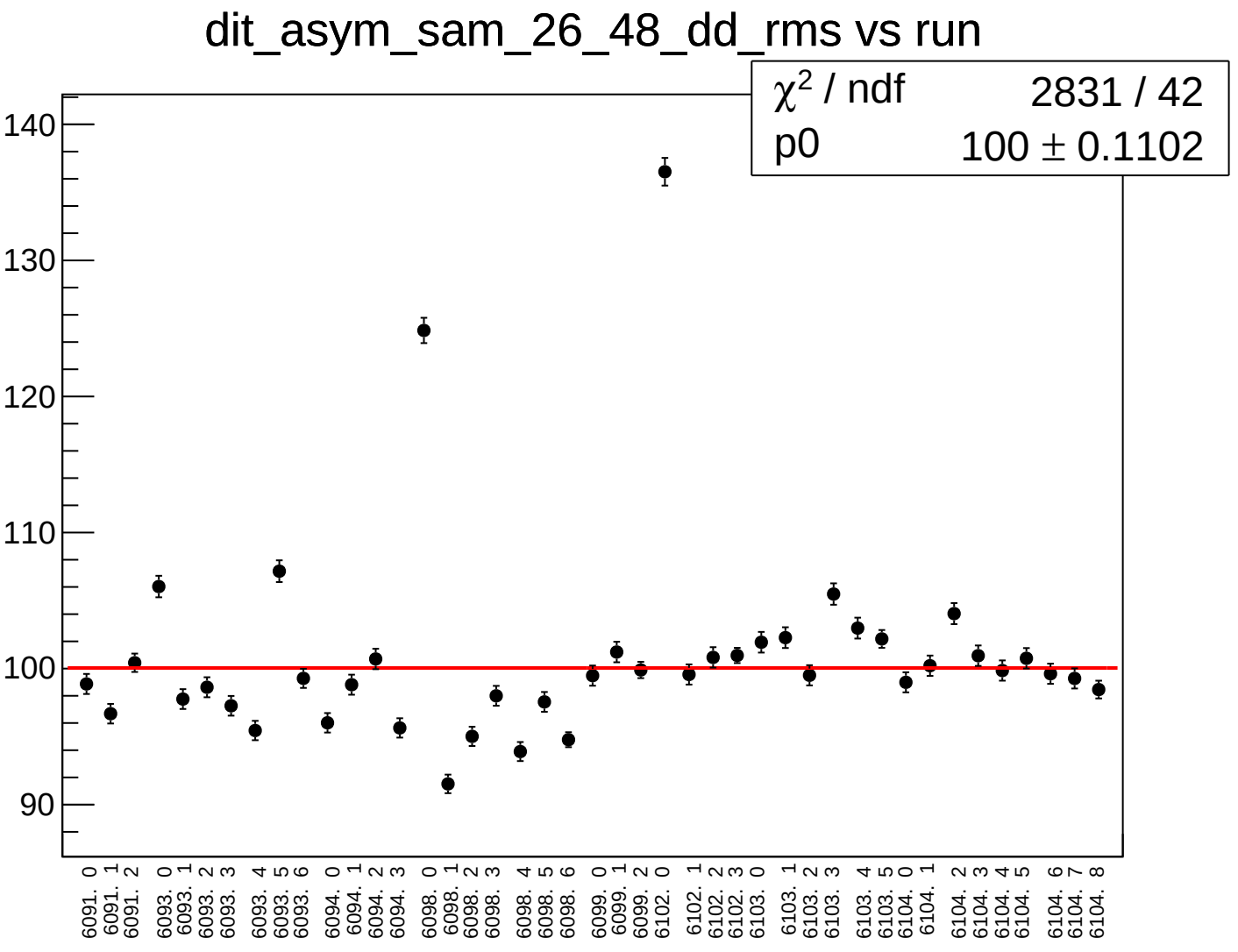

asym_sam_26_48_dd_eigen_cor_correction_mean vs run
χ² / ndf 49.38 / 42
p0 −176 ± 1104
20000
10000
0
−10000
−20000
−30000
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean −19.94
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5
−3

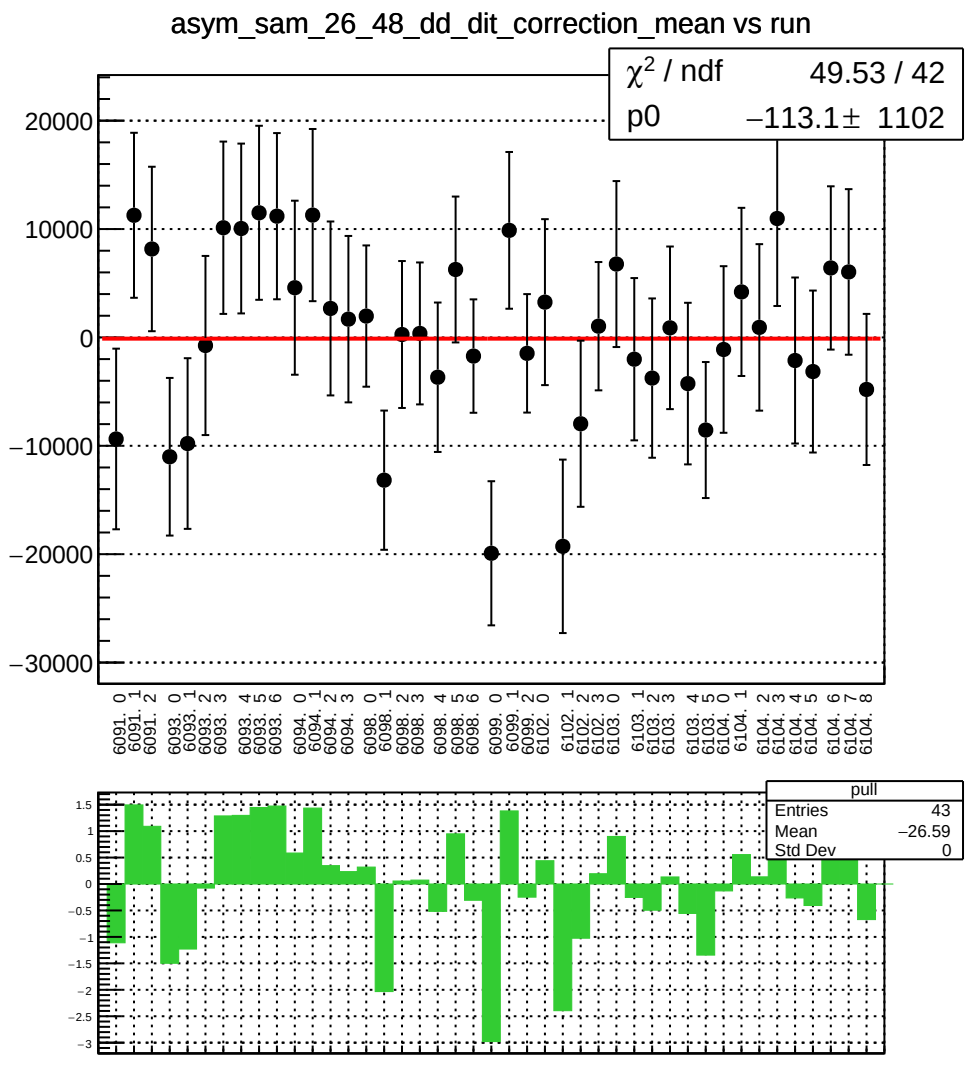

pull1D
Entries 43
Mean 0.03605
Std Dev 1.071
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

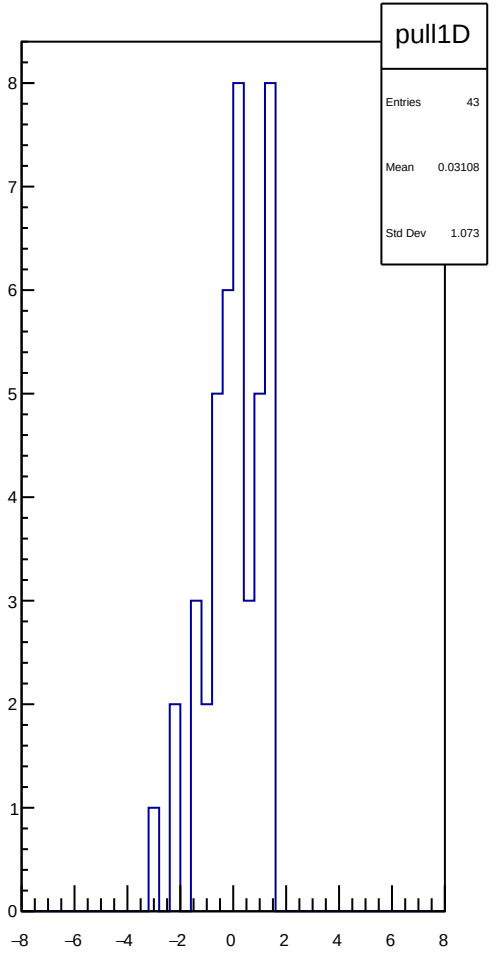

asym_sam_26_48_dd_eigen_cor_correction_rms vs run
χ² / ndf 5147 / 42
p0 708.1 ± 0.7808
800
750
700
650
600
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

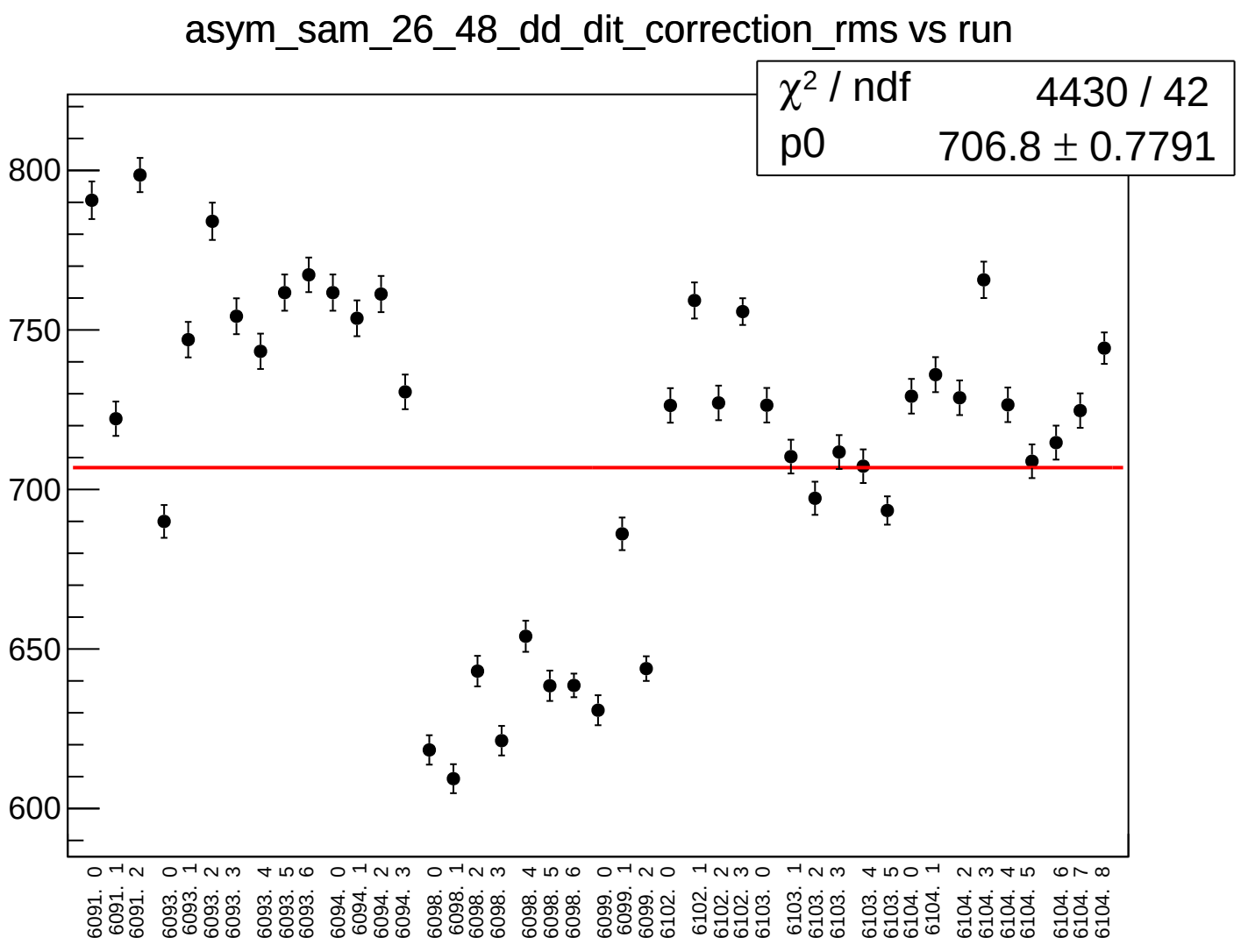

dit_asym_sam_26_48_dd_mean vs run
χ² / ndf 39.84 / 42
p0 21.19 ± 155.8
5000
4000
3000
2000
1000
0
−1000
−2000
−3000
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean −55.96
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

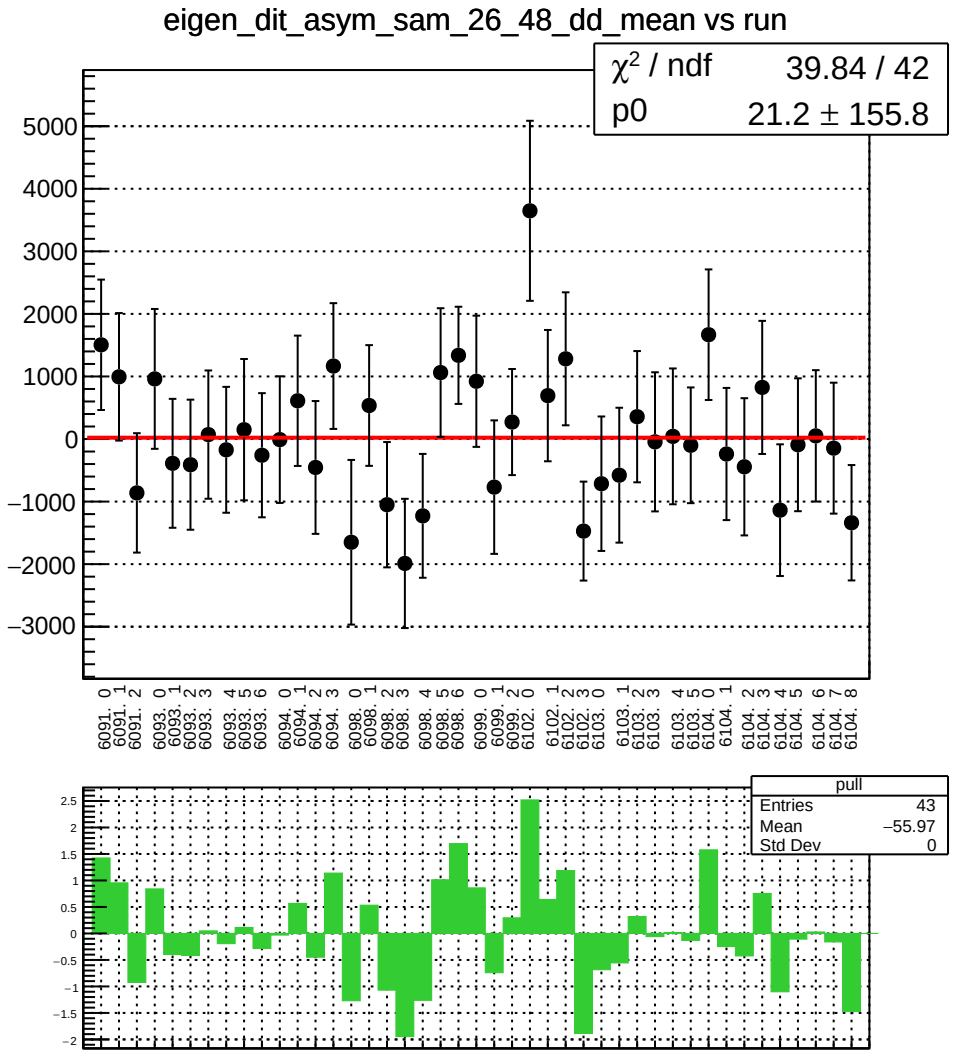

pull1D
Entries 43
Mean 0.01682
Std Dev 0.9624
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

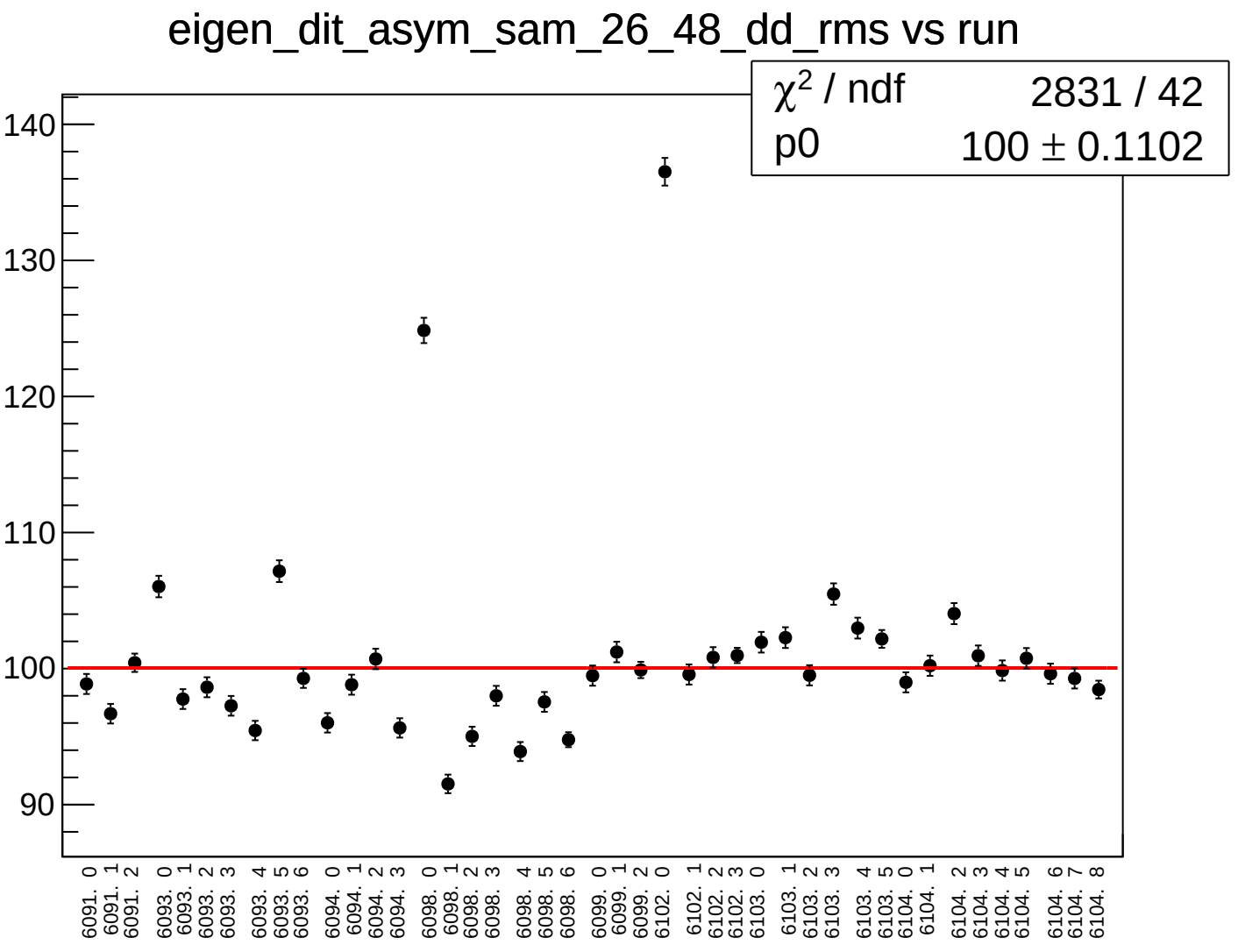

dit_asym_sam_26_48_dd_rms vs run
χ² / ndf 2831 / 42
p0 100 ± 0.1102
140
130
120
110
100
90
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

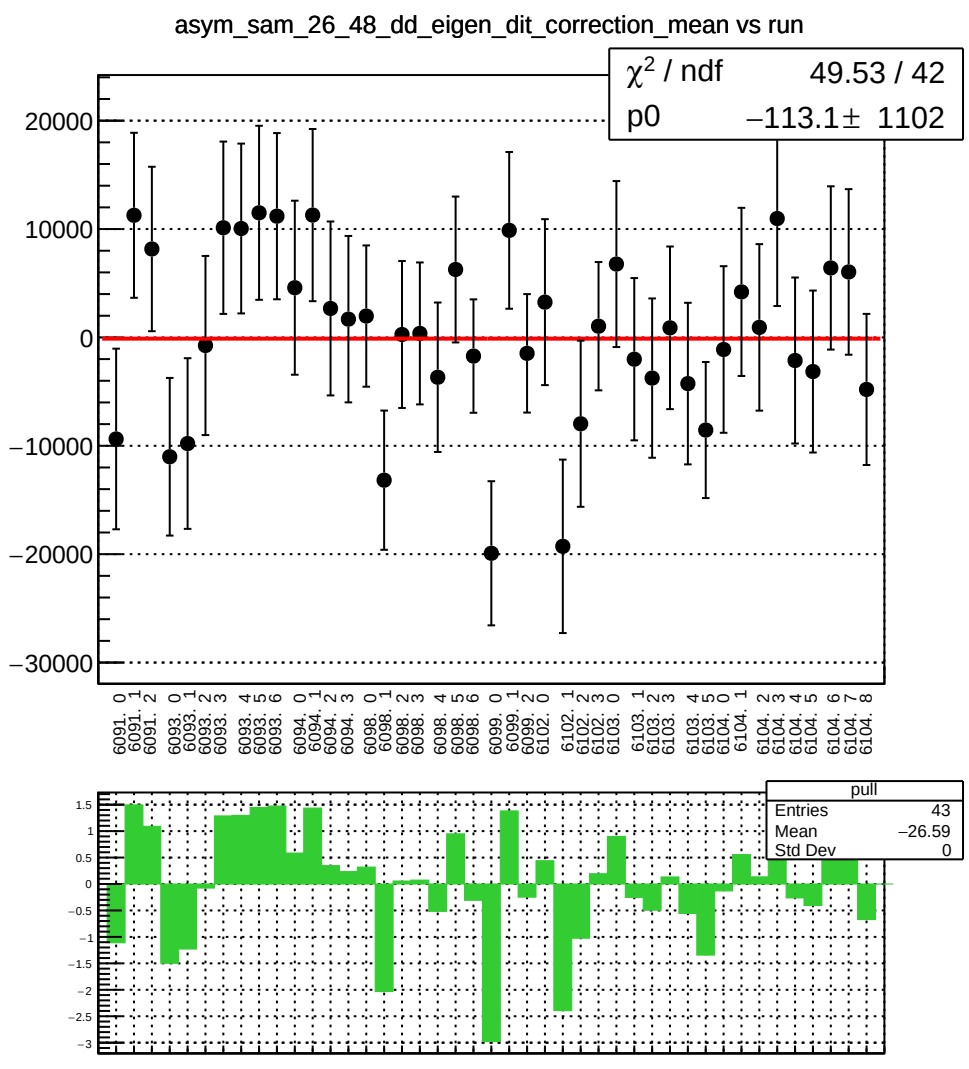

asym_sam_26_48_dd_dit_correction_mean vs run
χ² / ndf 49.53 / 42
p0 −113.1± 1102
20000
10000
0
−10000
−20000
−30000
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean −26.59
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5
−3

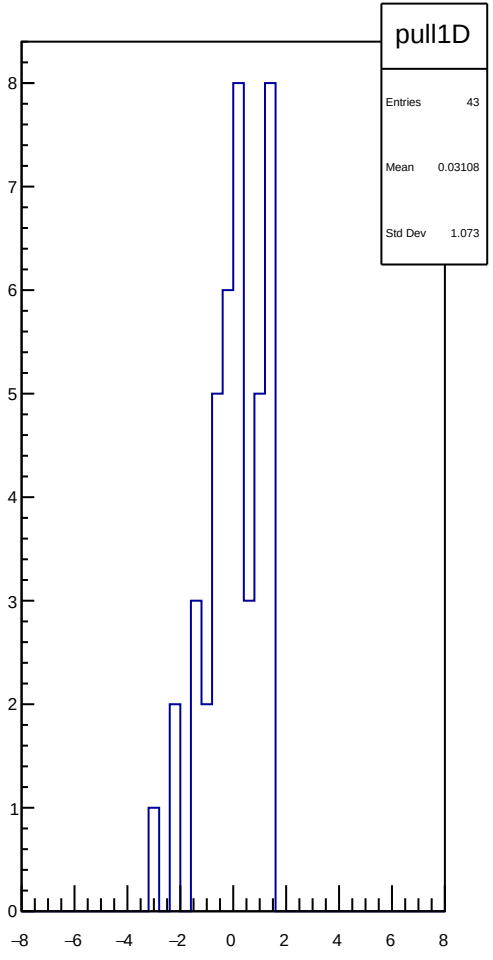

pull1D
Entries 43
Mean 0.03108
Std Dev 1.073
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

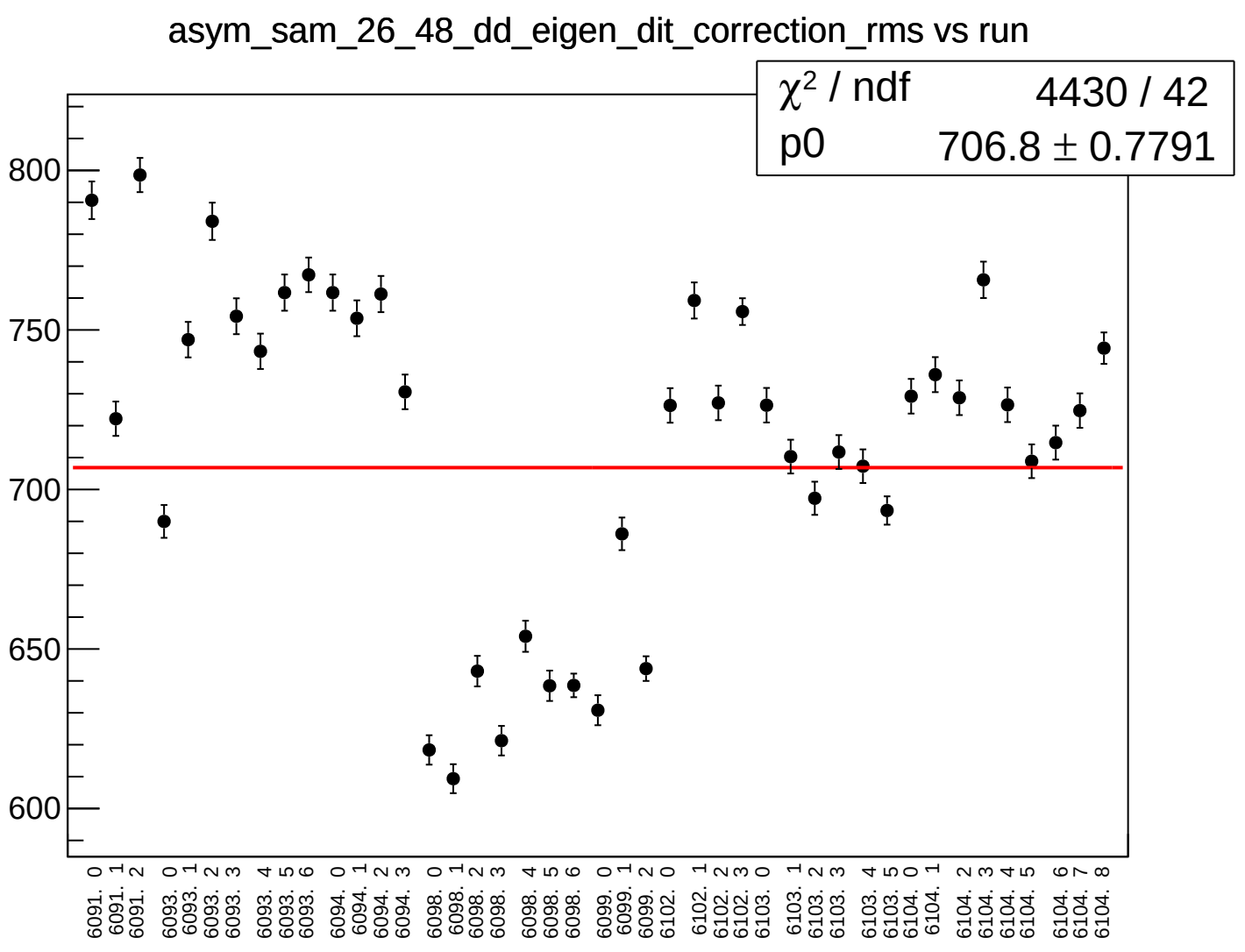

asym_sam_26_48_dd_dit_correction_rms vs run
χ² / ndf 4430 / 42
p0 706.8 ± 0.7791
800
750
700
650
600
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

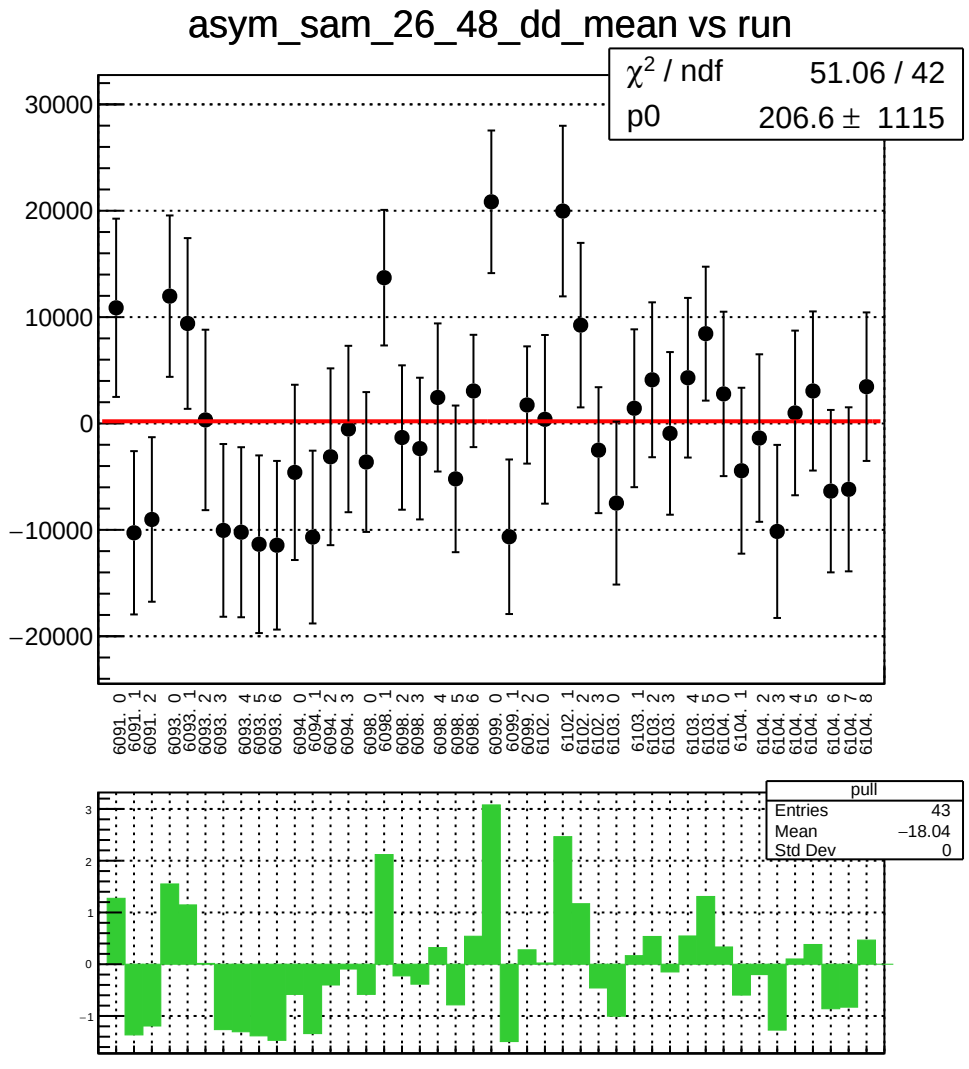

eigen_dit_asym_sam_26_48_dd_mean vs run
χ² / ndf 39.84 / 42
p0 21.2 ± 155.8
5000
4000
3000
2000
1000
0
−1000
−2000
−3000
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean −55.97
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 43
Mean 0.01682
Std Dev 0.9624
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

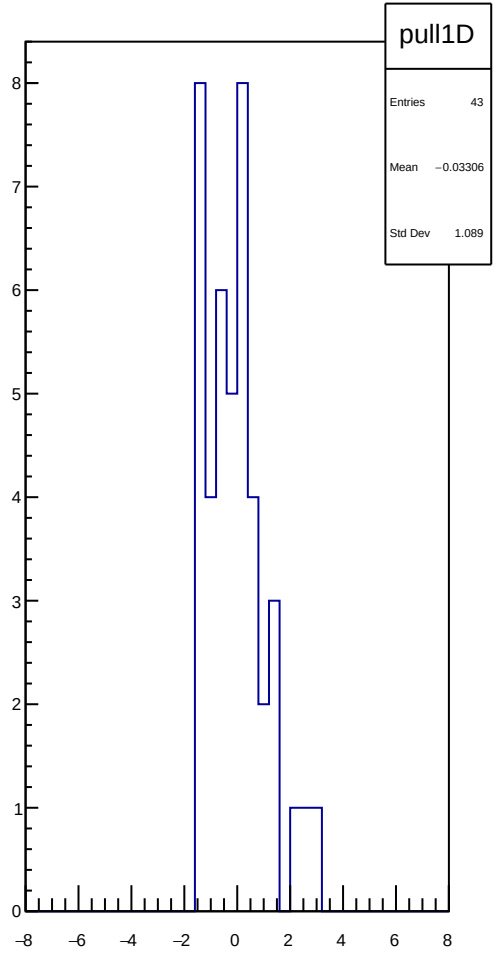

eigen_dit_asym_sam_26_48_dd_rms vs run
χ² / ndf 2831 / 42
p0 100 ± 0.1102
140
130
120
110
100
90
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

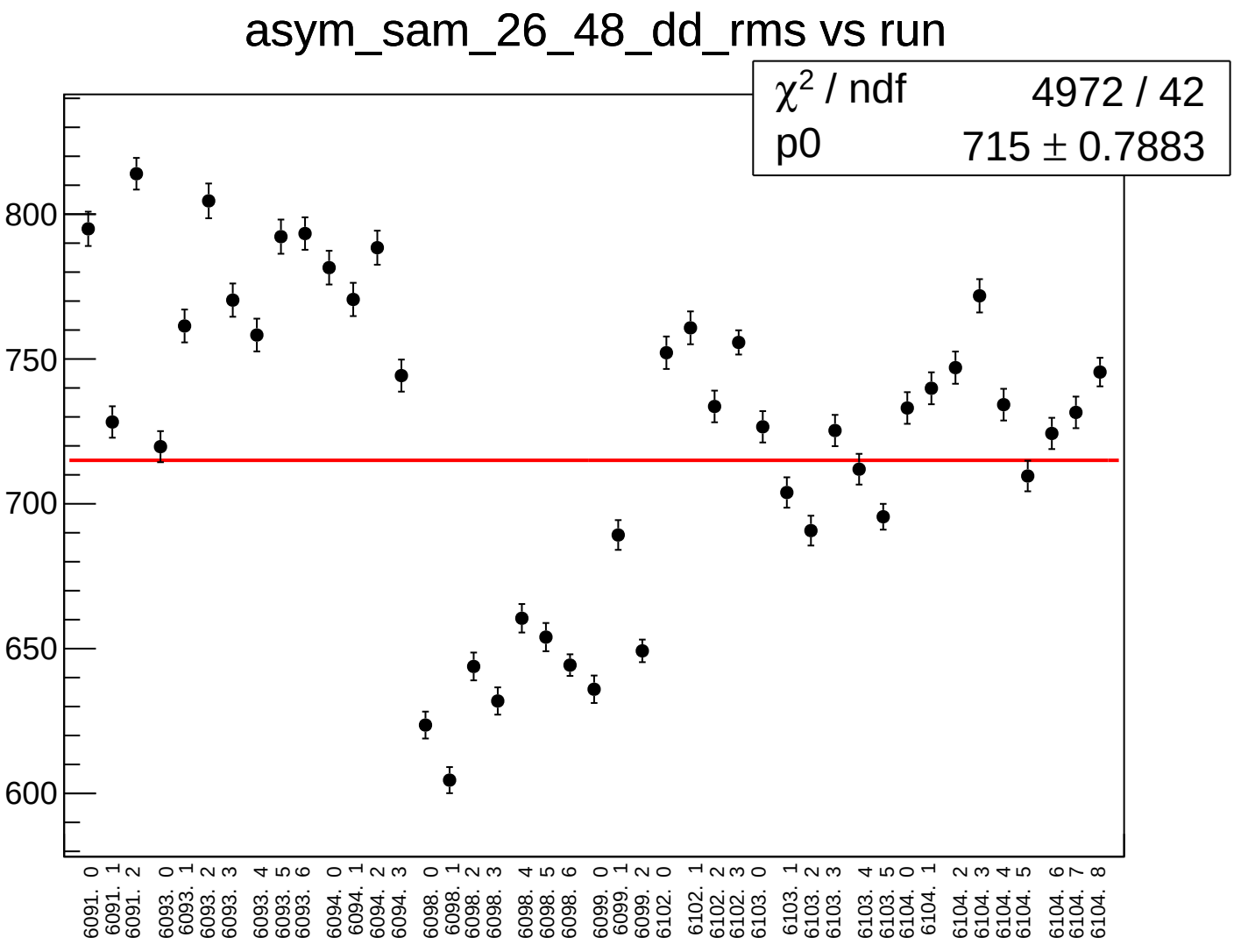

asym_sam_26_48_dd_eigen_dit_correction_mean vs run
χ² / ndf 49.53 / 42
p0 −113.1± 1102
20000
10000
0
−10000
−20000
−30000
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean −26.59
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5
−3

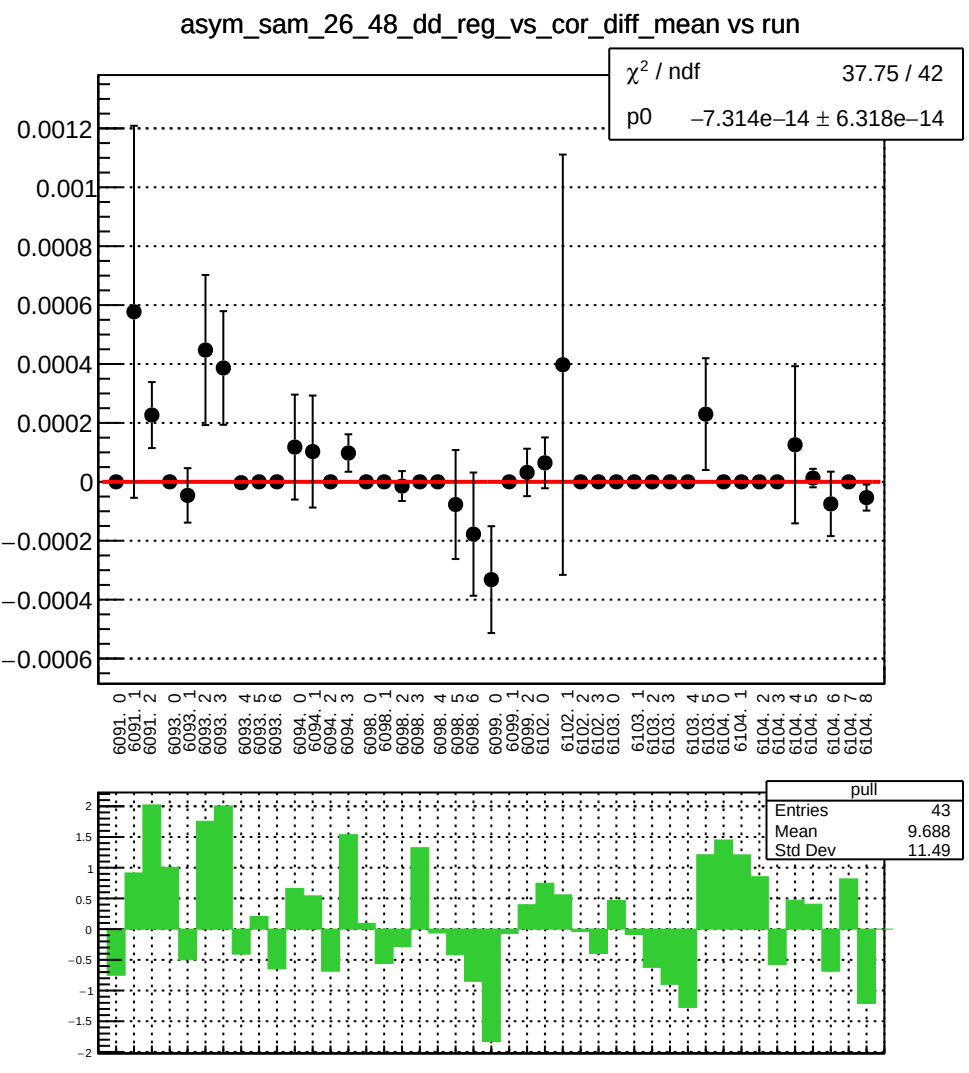

pull1D
Entries 43
Mean 0.03108
Std Dev 1.073
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

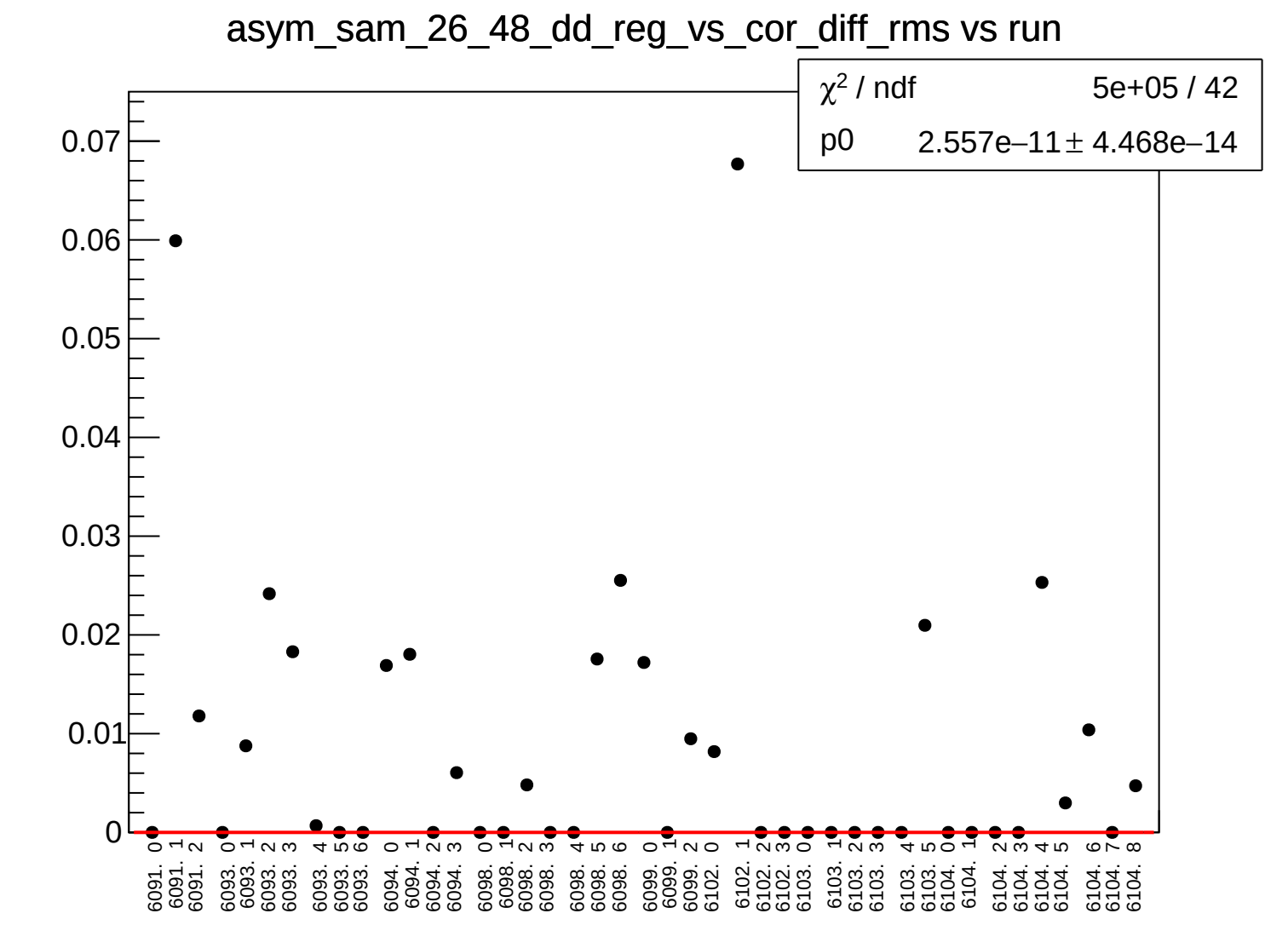

asym_sam_26_48_dd_eigen_dit_correction_rms vs run
χ² / ndf 4430 / 42
p0 706.8 ± 0.7791
800
750
700
650
600
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

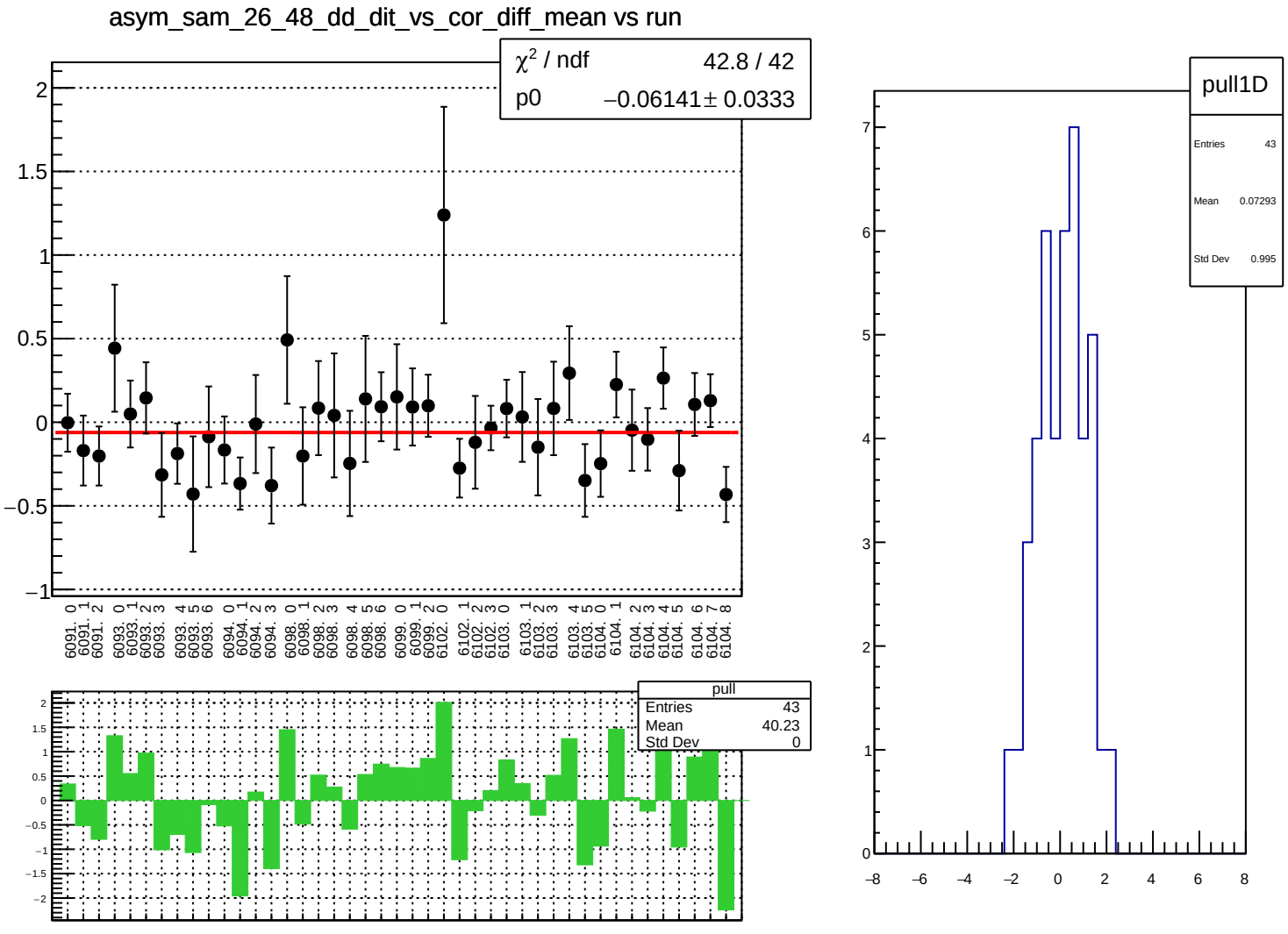

asym_sam_26_48_dd_mean vs run
χ^2 / ndf 51.06 / 42
p0 206.6 ± 1115
30000
20000
10000
0
−10000
−20000
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean −18.04
Std Dev 0
3
2
1
0
−1

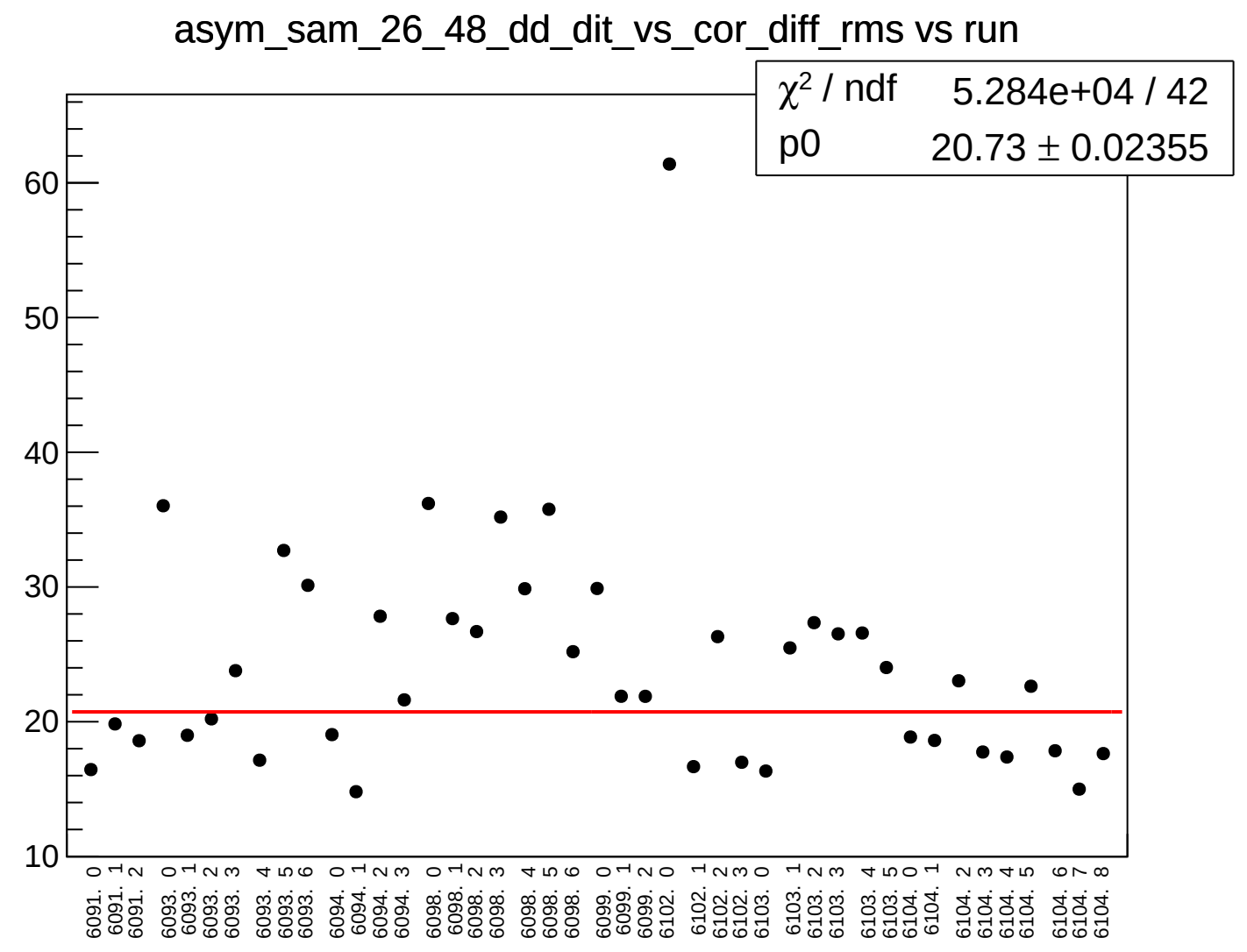

pull1D
Entries 43
Mean −0.03306
Std Dev 1.089
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

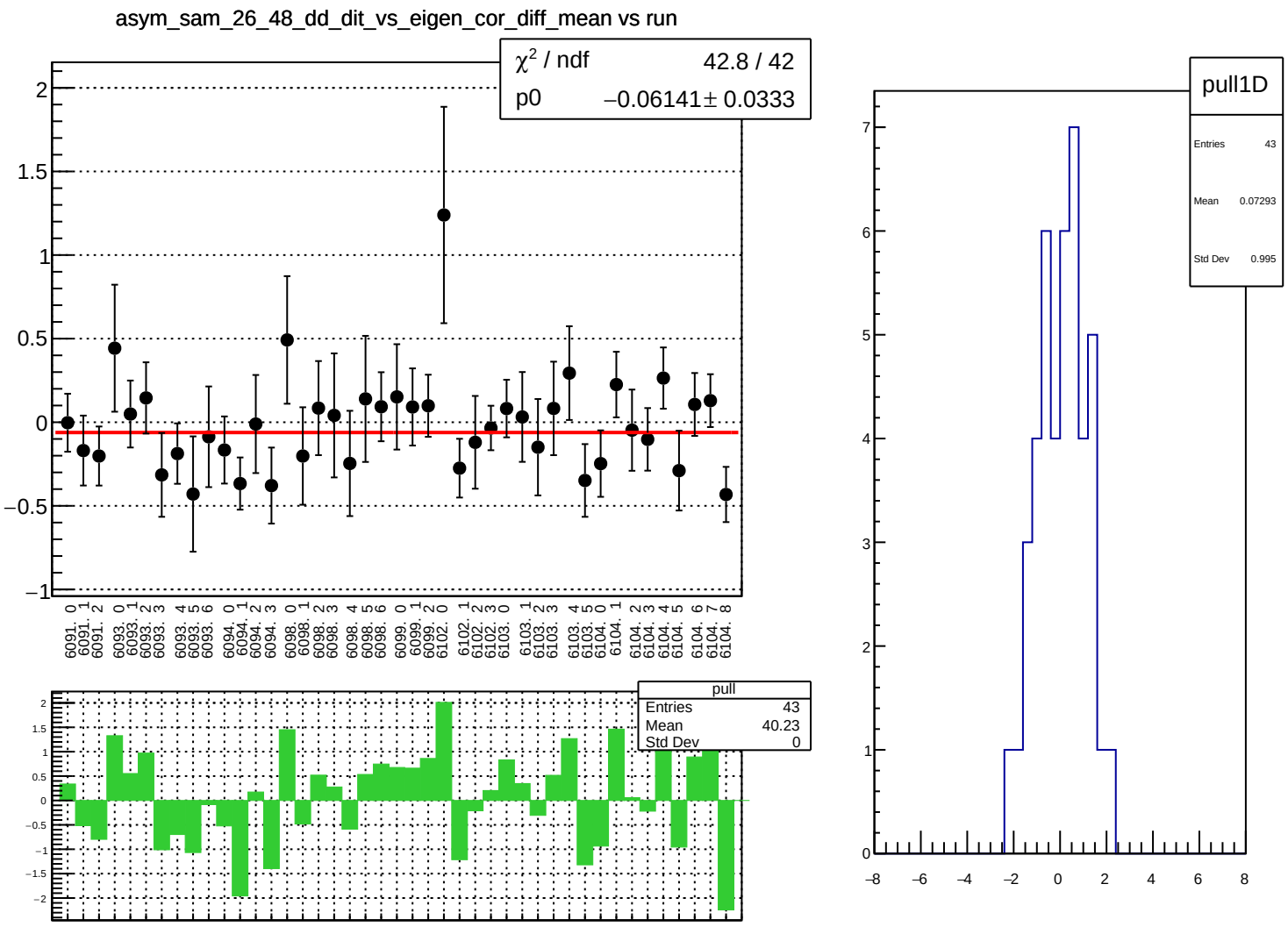

asym_sam_26_48_dd_rms vs run
χ² / ndf 4972 / 42
p0 715 ± 0.7883
800
750
700
650
600
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

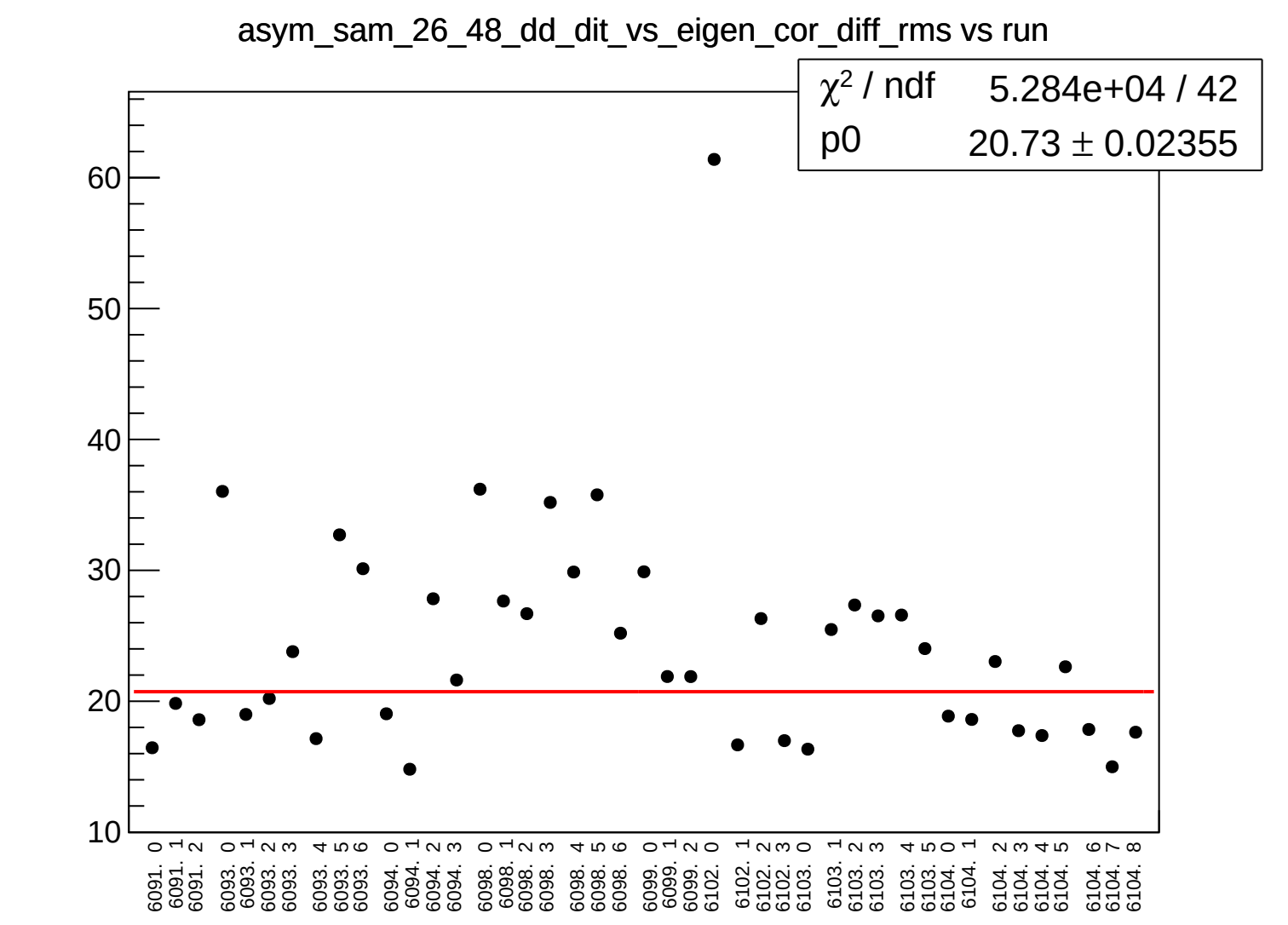

asym_sam_26_48_dd_reg_vs_cor_diff_mean vs run
χ² / ndf 37.75 / 42
p0 −7.314e−14 ± 6.318e−14
0.0012
0.001
0.0008
0.0006
0.0004
0.0002
0
−0.0002
−0.0004
−0.0006
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 9.688
Std Dev 11.49
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 43
Mean 0.1818
Std Dev 0.9191
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

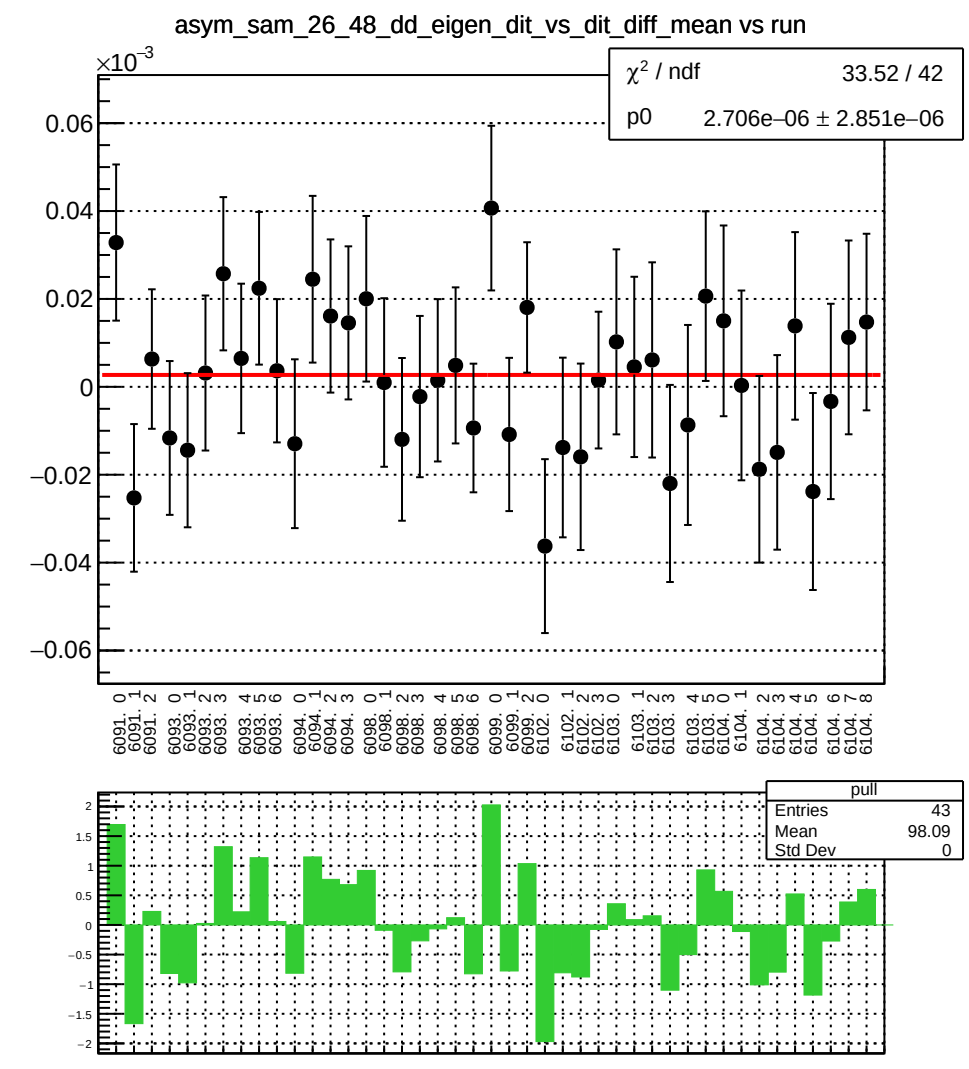

asym_sam_26_48_dd_reg_vs_cor_diff_rms vs run
χ² / ndf 5e+05 / 42
p0 2.557e−11 ± 4.468e−14
0.07
0.06
0.05
0.04
0.03
0.02
0.01
0
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

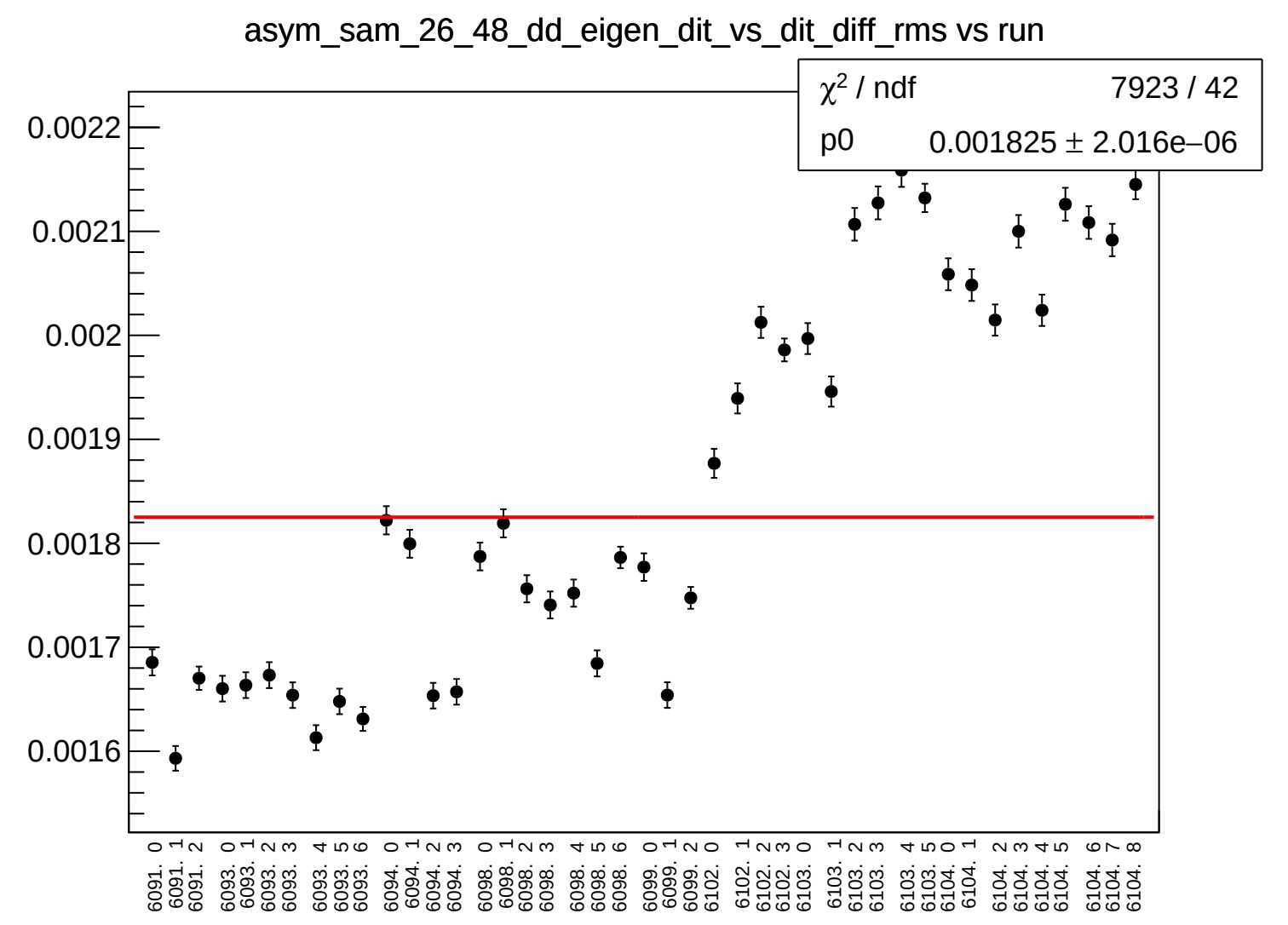

asym_sam_26_48_dd_dit_vs_cor_diff_mean vs run
χ² / ndf 42.8 / 42
p0 −0.06141 ± 0.0333
pull
Entries 43
Mean 40.23
Std Dev 0
pull1D
Entries 43
Mean 0.07293
Std Dev 0.995

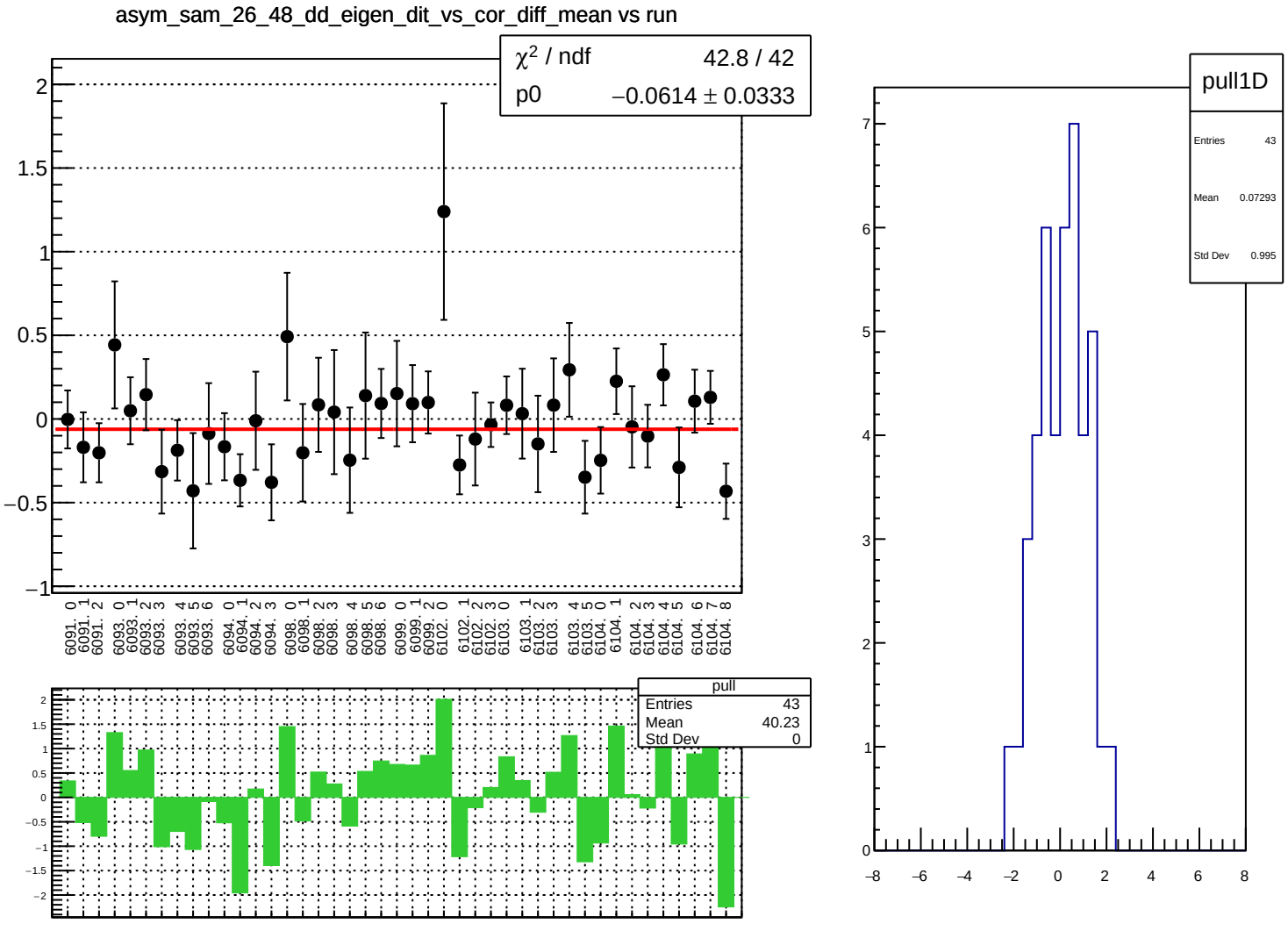

asym_sam_26_48_dd_dit_vs_cor_diff_rms vs run
χ² / ndf 5.284e+04 / 42
p0 20.73 ± 0.02355
60
50
40
30
20
10
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

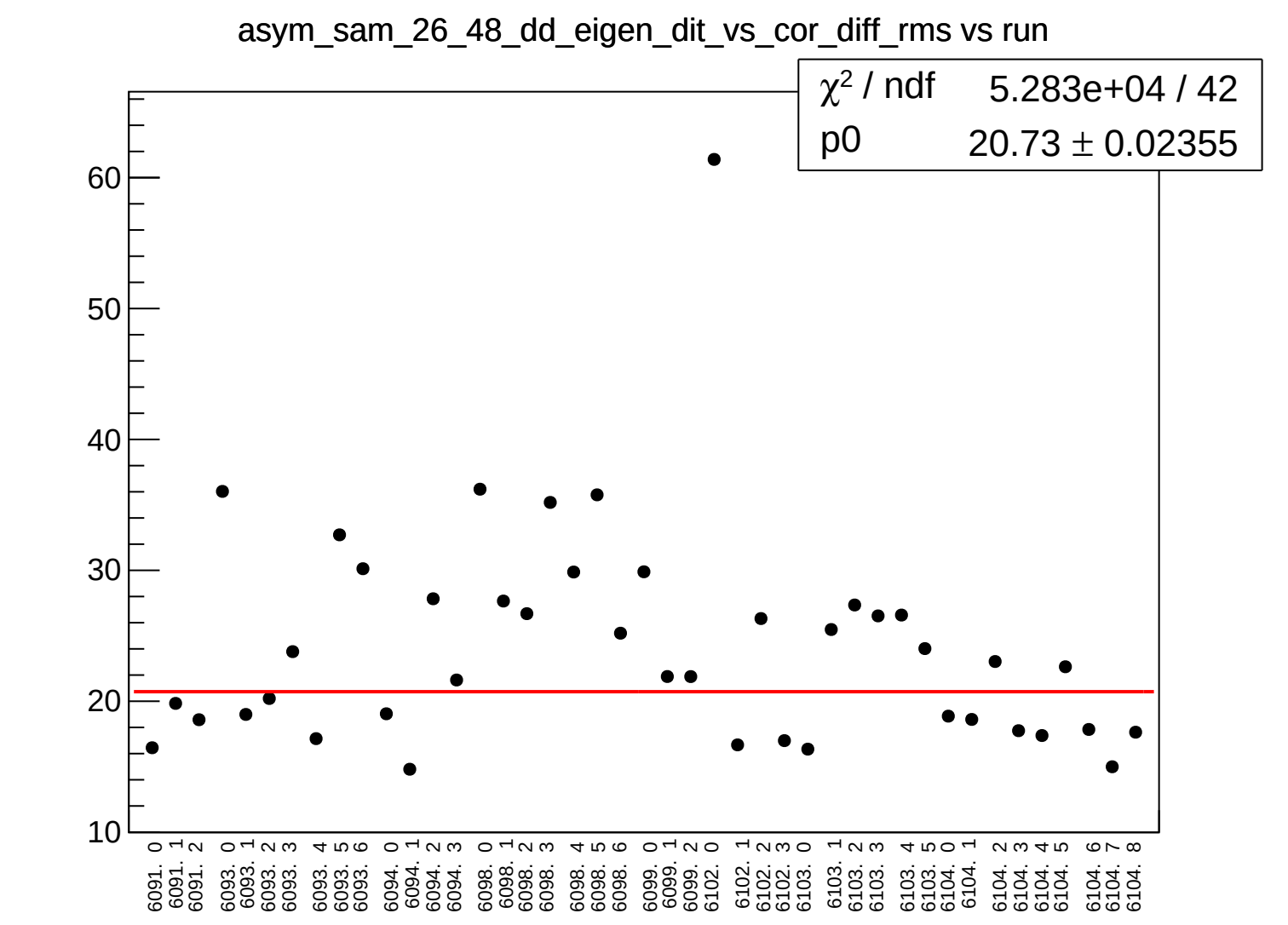

asym_sam_26_48_dd_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 42.8 / 42
p0 −0.06141 ± 0.0333
pull
Entries 43
Mean 40.23
Std Dev 0
pull1D
Entries 43
Mean 0.07293
Std Dev 0.995


asym_sam_26_48_dd_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 5.284e+04 / 42
p0 20.73 ± 0.02355
60
50
40
30
20
10
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8


asym_sam_26_48_dd_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 33.52 / 42
p0 2.706e−06 ± 2.851e−06
0.06
0.04
0.02
0
−0.02
−0.04
−0.06
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 98.09
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 43
Mean −0.01875
Std Dev 0.8828
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_vs_dit_diff_rms vs run
χ² / ndf 7923 / 42
p0 0.001825 ± 2.016e−06
0.0022
0.0021
0.002
0.0019
0.0018
0.0017
0.0016
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8


asym_sam_26_48_dd_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 42.8 / 42
p0 −0.0614 ± 0.0333
pull
Entries 43
Mean 40.23
Std Dev 0
pull1D
Entries 43
Mean 0.07293
Std Dev 0.995


asym_sam_26_48_dd_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 5.283e+04 / 42
p0 20.73 ± 0.02355
60
50
40
30
20
10
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
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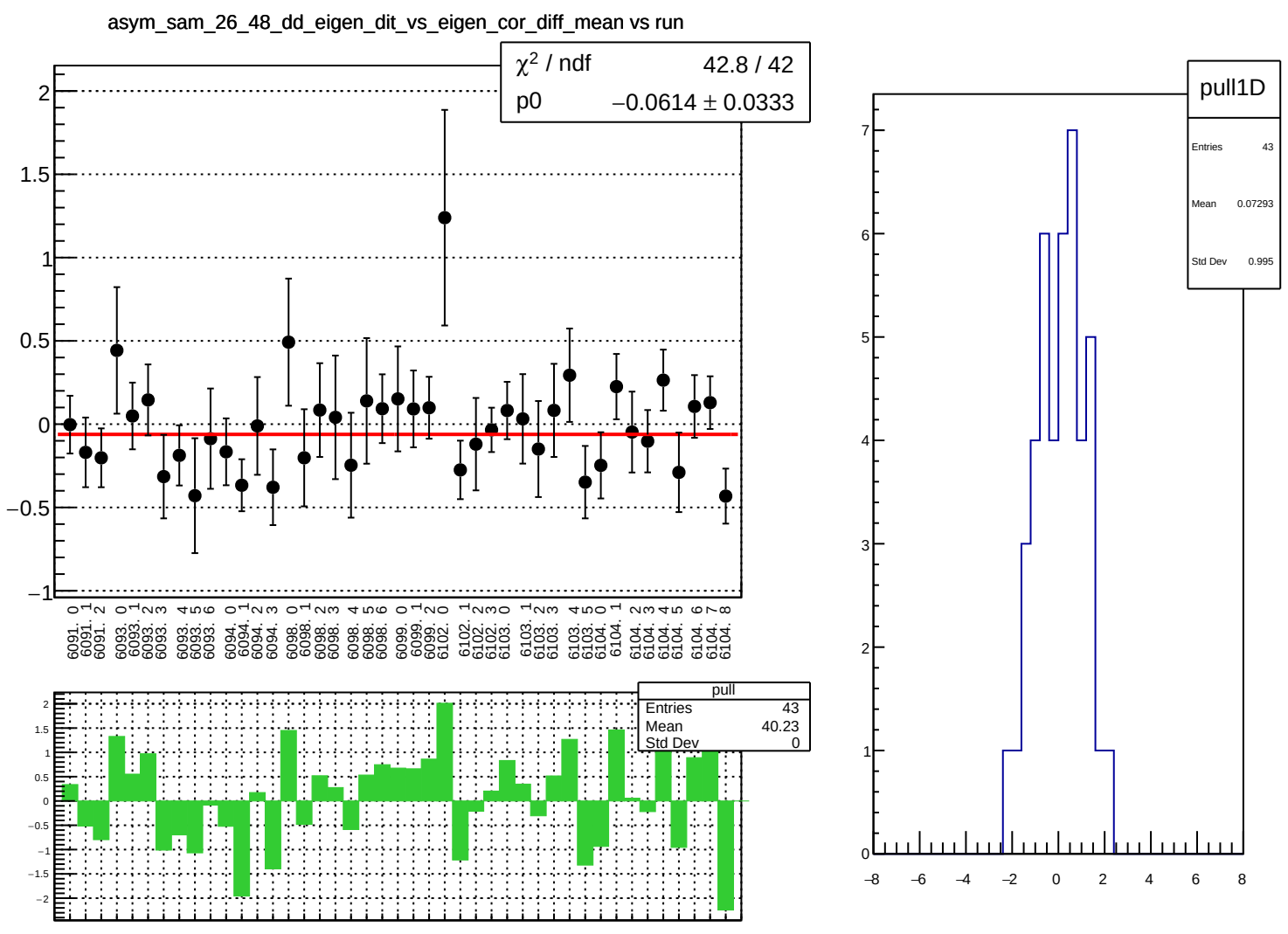
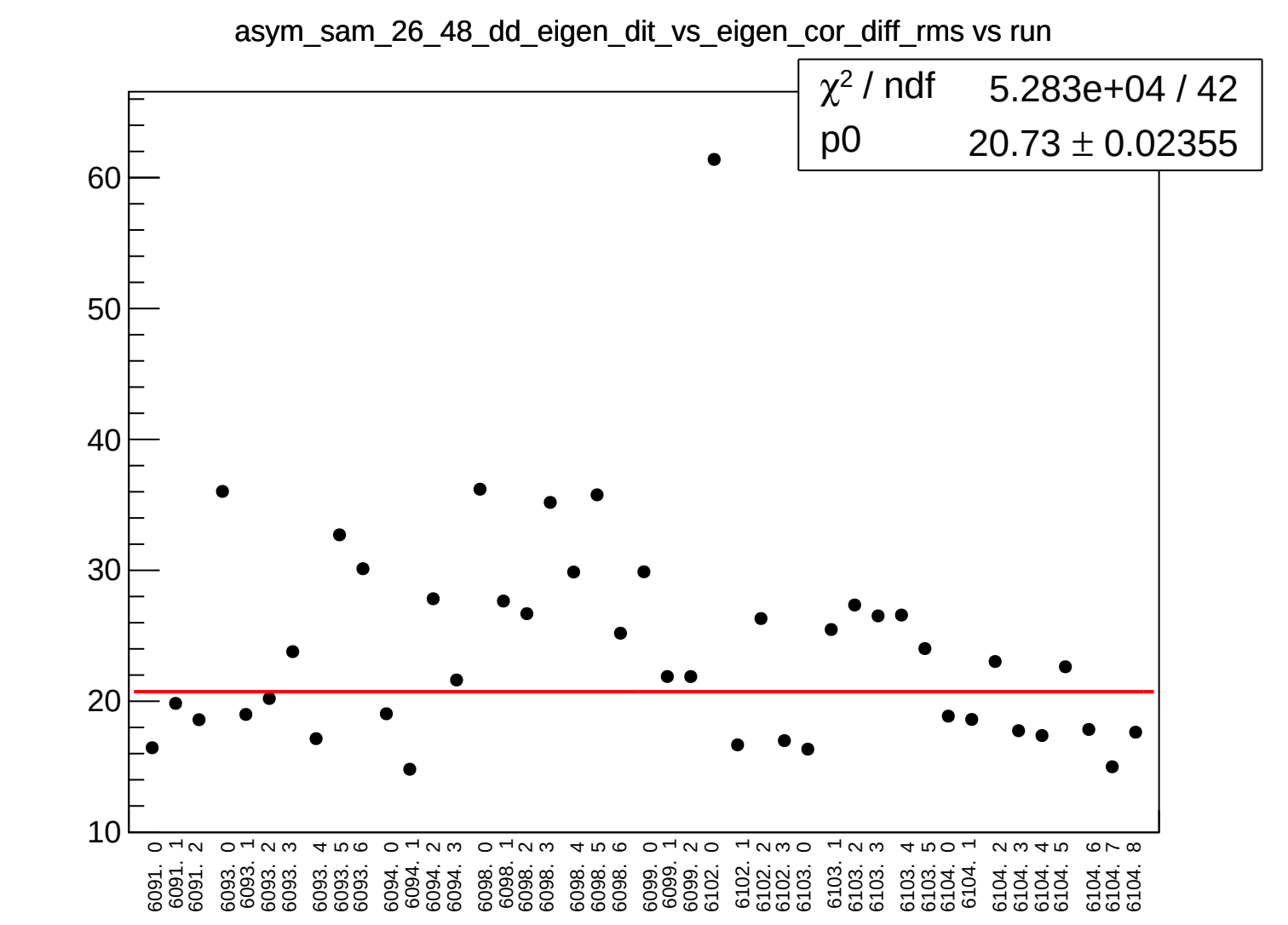
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8


asym_sam_26_48_dd_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 42.8 / 42
p0 −0.0614 ± 0.0333
2
1.5
1
0.5
0
−0.5
−1
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 40.23
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 43
Mean 0.07293
Std Dev 0.995
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


asym_sam_26_48_dd_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 5.283e+04 / 42
p0 20.73 ± 0.02355
60
50
40
30
20
10
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
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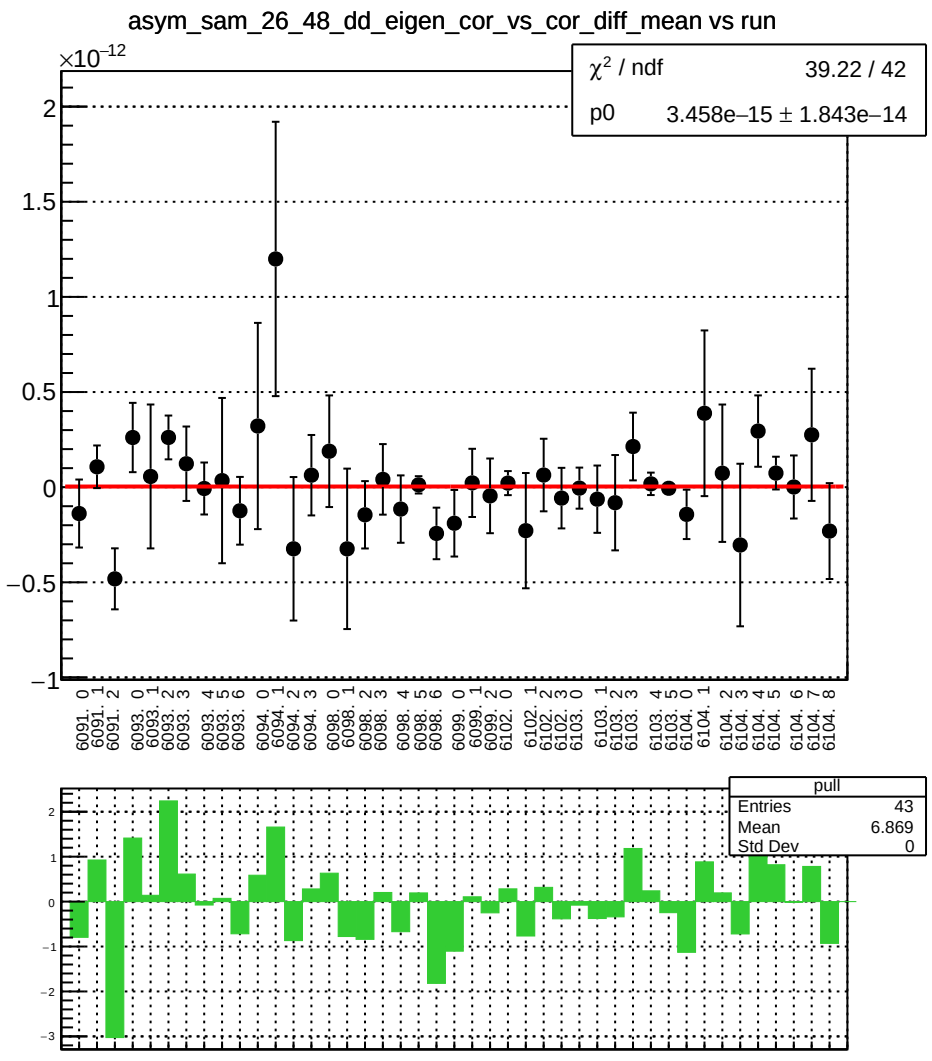
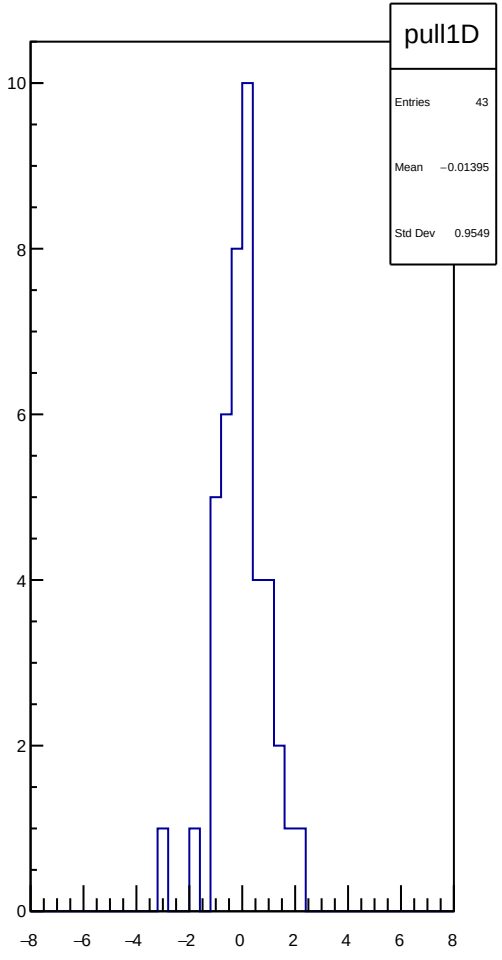
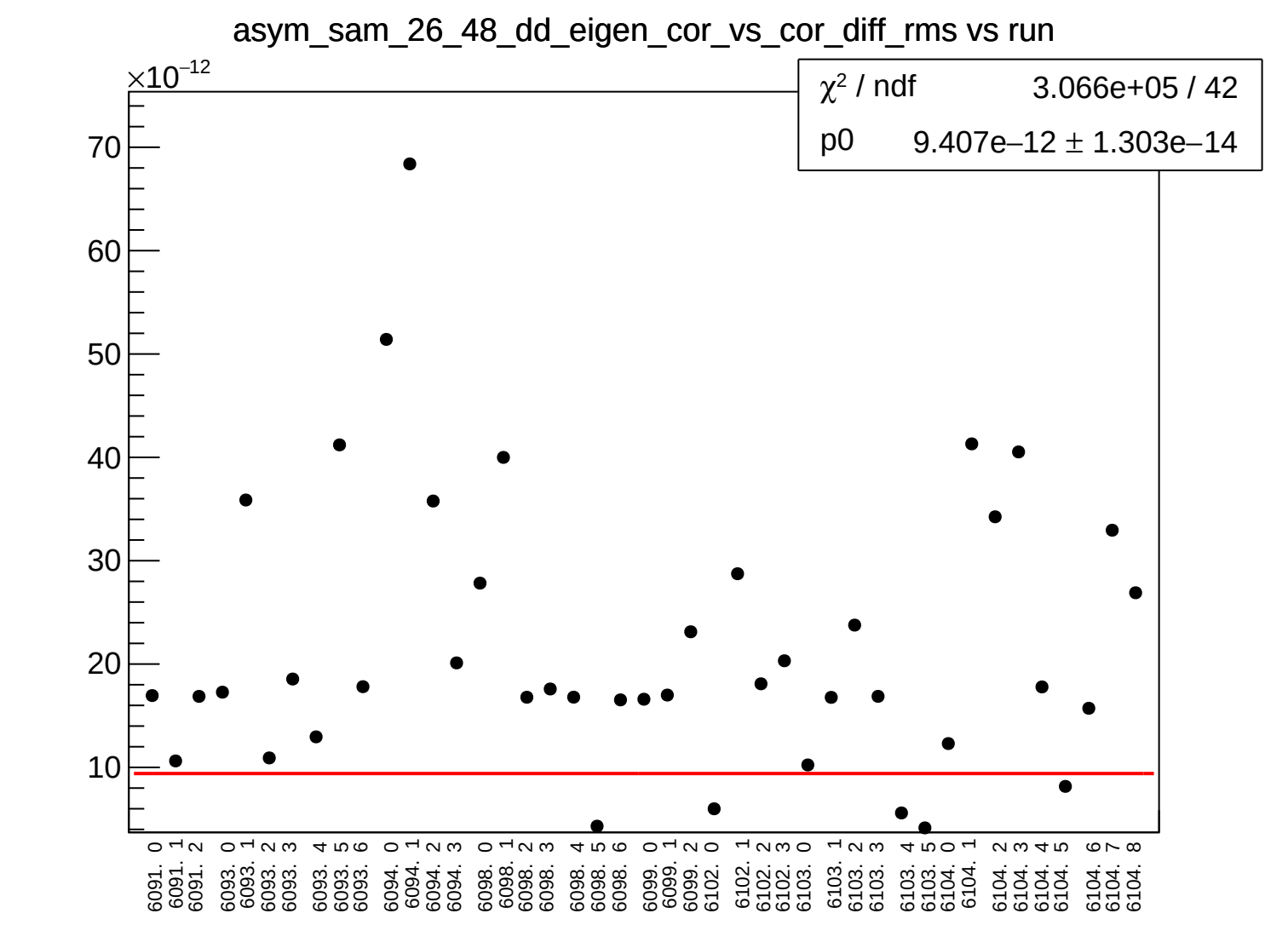
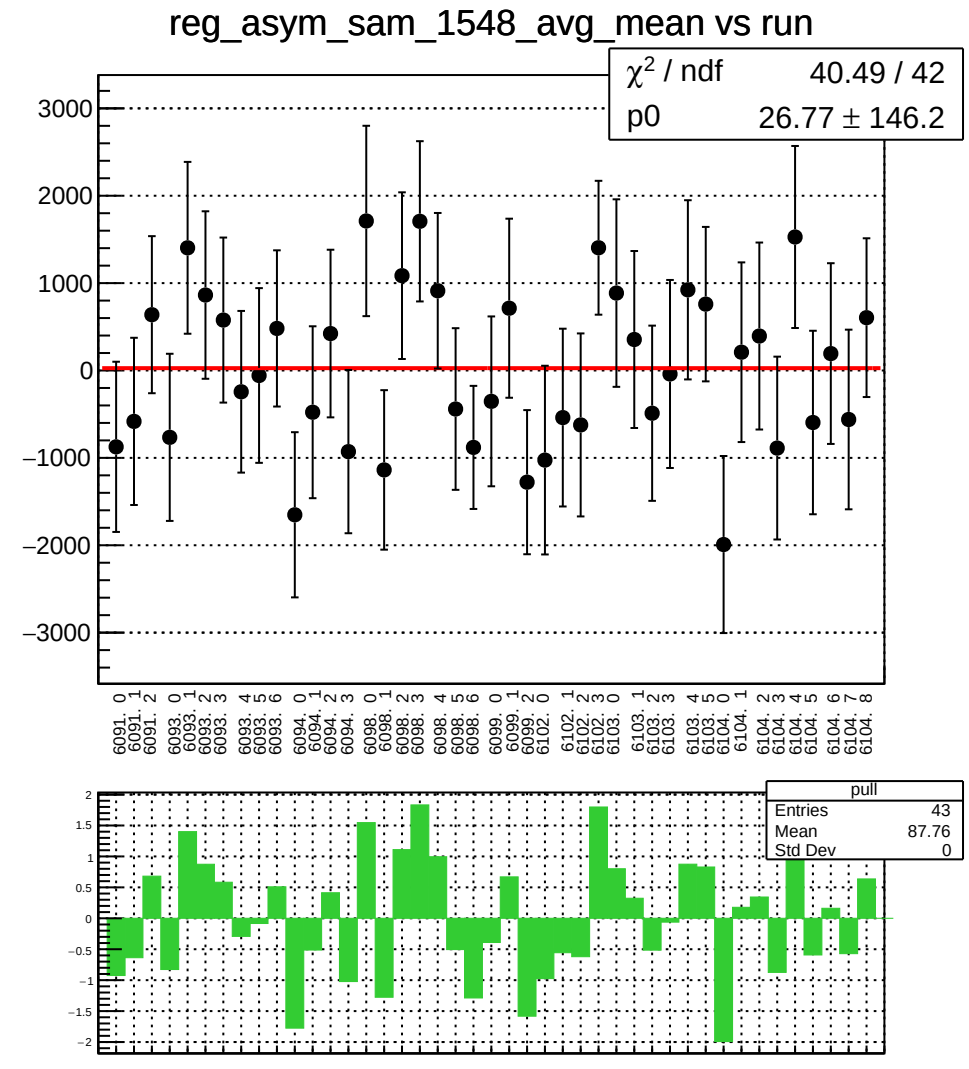
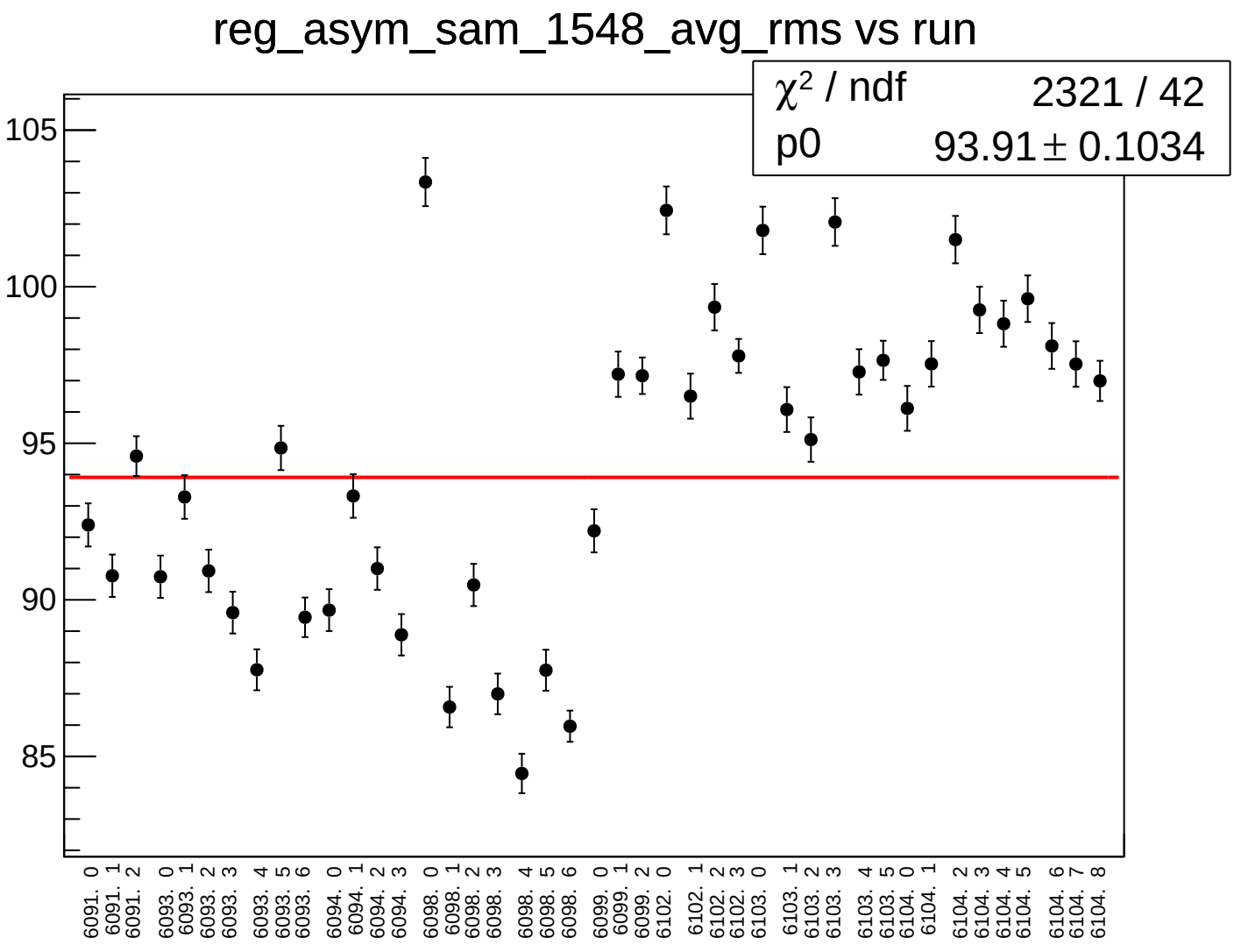
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

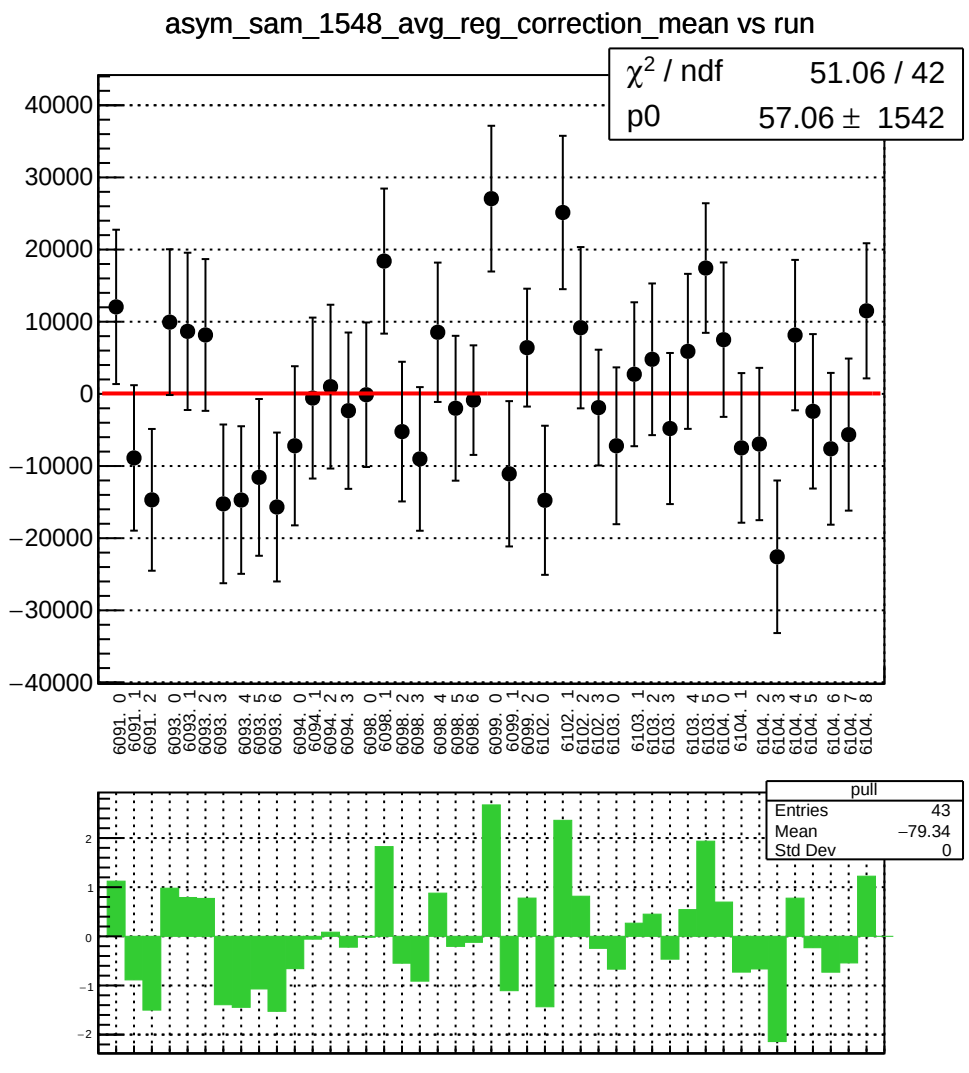

asym_sam_26_48_dd_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 39.22 / 42
p0 3.458e−15 ± 1.843e−14
pull
Entries 43
Mean 6.869
Std Dev 0

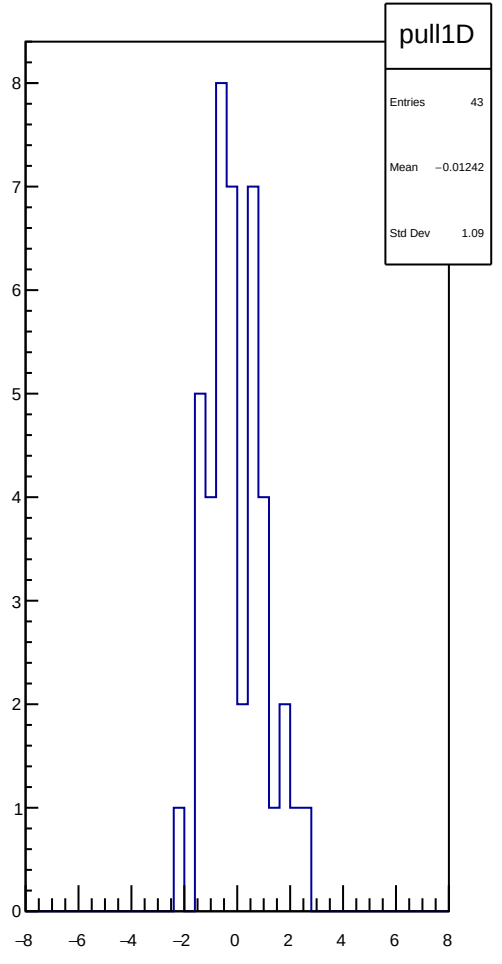

pull1D
Entries 43
Mean −0.01395
Std Dev 0.9549

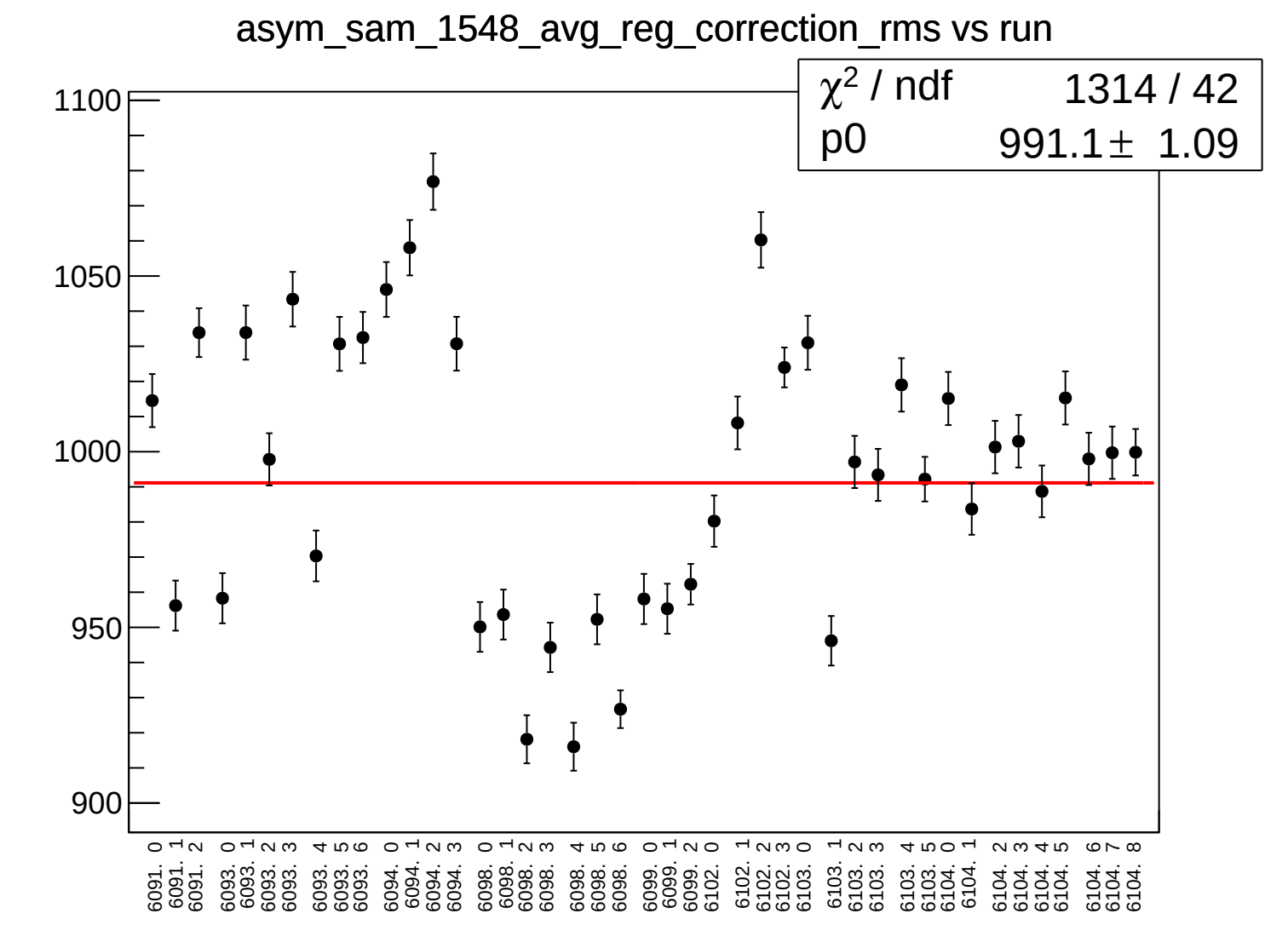

asym_sam_26_48_dd_eigen_cor_vs_cor_diff_rms vs run
×10⁻¹²
χ² / ndf 3.066e+05 / 42
p0 9.407e−12 ± 1.303e−14
70
60
50
40
30
20
10
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

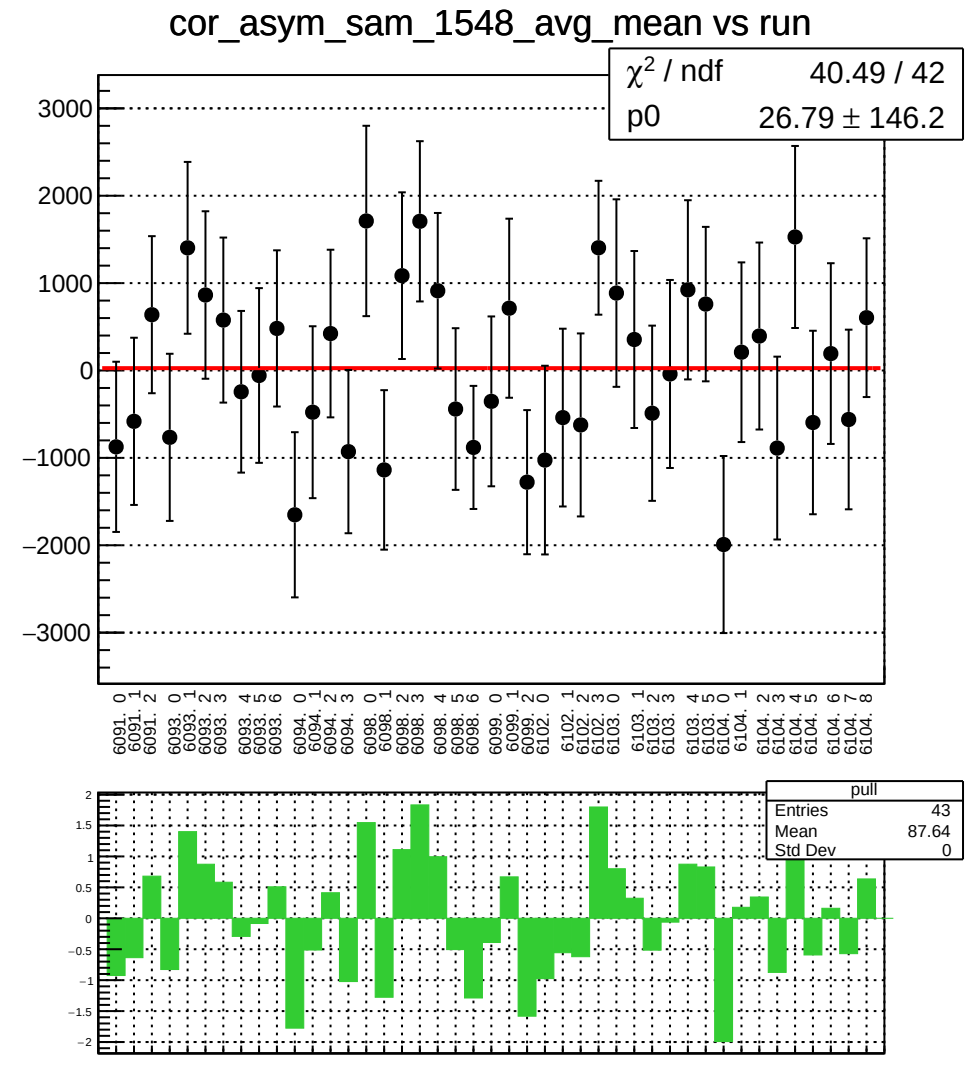

reg_asym_sam_1548_avg_mean vs run
χ² / ndf 40.49 / 42
p0 26.77 ± 146.2
3000
2000
1000
0
−1000
−2000
−3000
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 87.76
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 43
Mean 0.002878
Std Dev 0.9703
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

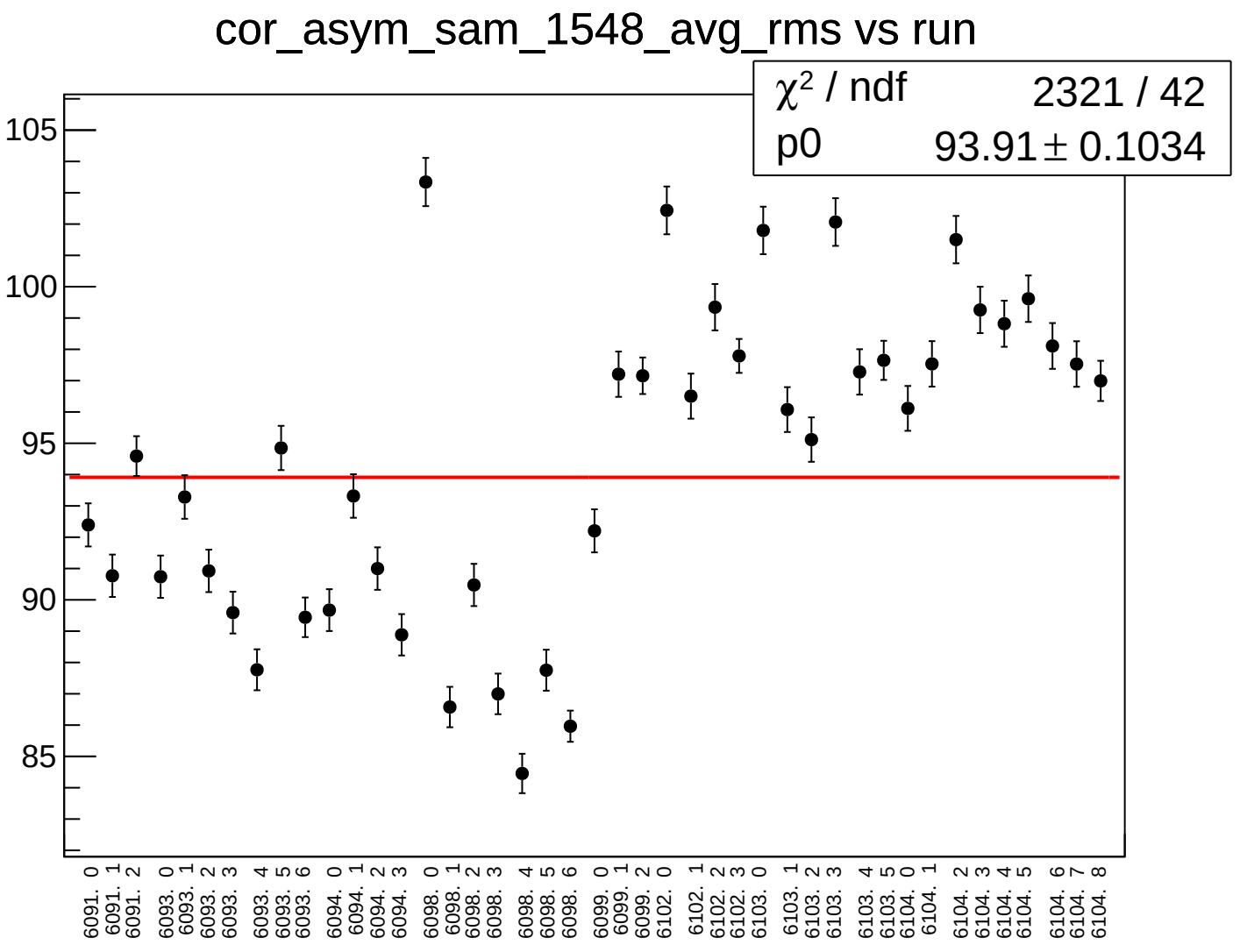

reg_asym_sam_1548_avg_rms vs run
χ² / ndf 2321 / 42
p0 93.91 ± 0.1034
105
100
95
90
85
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8


asym_sam_1548_avg_reg_correction_mean vs run
χ² / ndf 51.06 / 42
p0 57.06 ± 1542
40000
30000
20000
10000
0
−10000
−20000
−30000
−40000
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean −79.34
Std Dev 0
2
1
0
−1
−2


pull1D
Entries 43
Mean −0.01242
Std Dev 1.09
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


asym_sam_1548_avg_reg_correction_rms vs run
χ² / ndf 1314 / 42
p0 991.1 ± 1.09
1100
1050
1000
950
900
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8


cor_asym_sam_1548_avg_mean vs run
χ² / ndf 40.49 / 42
p0 26.79 ± 146.2
3000
2000
1000
0
−1000
−2000
−3000
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 87.64
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 43
Mean 0.00288
Std Dev 0.9703
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


cor_asym_sam_1548_avg_rms vs run
χ² / ndf 2321 / 42
p0 93.91 ± 0.1034
105
100
95
90
85
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
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6094. 2
6094. 3
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6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
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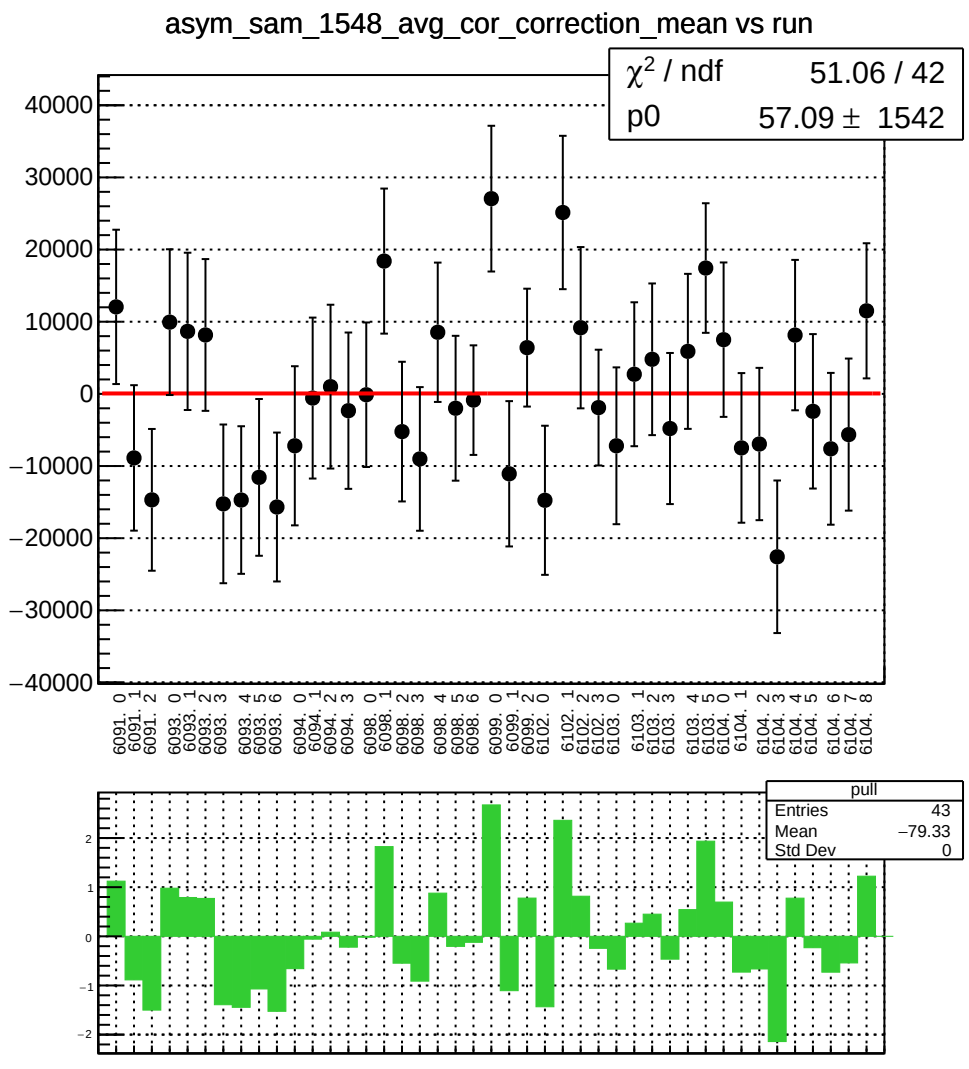
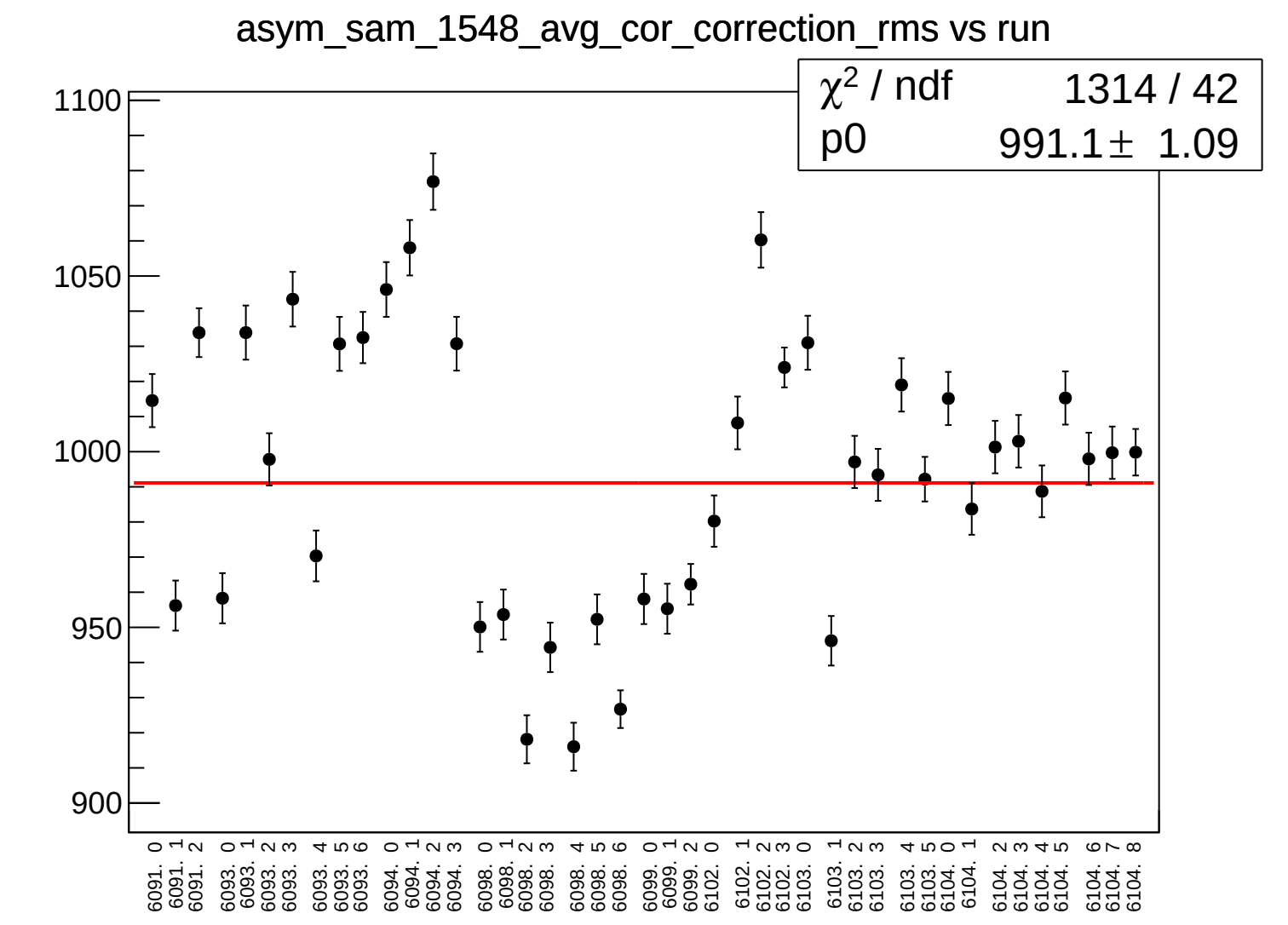
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8


asym_sam_1548_avg_cor_correction_mean vs run
χ² / ndf 51.06 / 42
p0 57.09 ± 1542
40000
30000
20000
10000
0
−10000
−20000
−30000
−40000
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean −79.33
Std Dev 0
2
1
0
−1
−2
pull1D
Entries 43
Mean −0.01242
Std Dev 1.09
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


asym_sam_1548_avg_cor_correction_rms vs run
χ² / ndf 1314 / 42
p0 991.1 ± 1.09
1100
1050
1000
950
900
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
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6098. 0
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6098. 5
6098. 6
6099. 0
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6099. 2
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6102. 2
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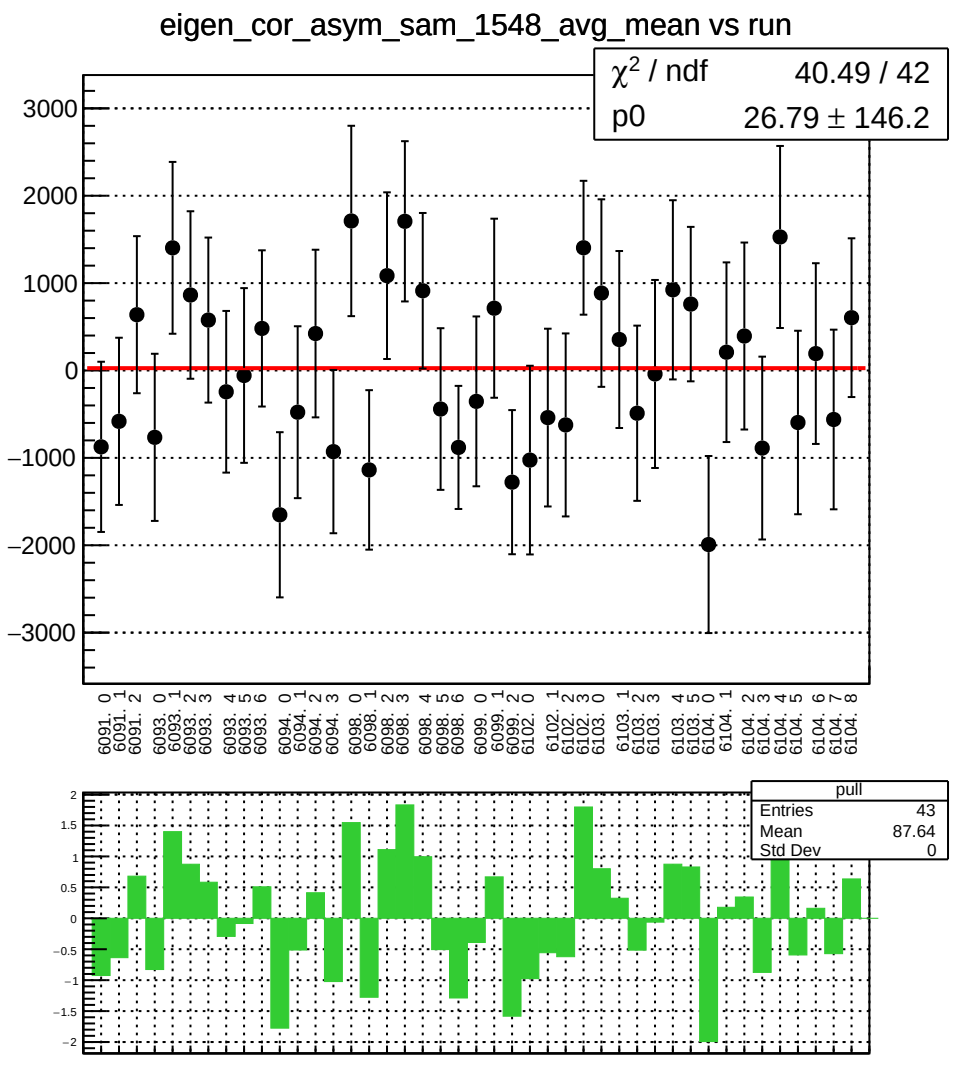
6104. 6
6104. 7
6104. 8


eigen_cor_asym_sam_1548_avg_mean vs run
χ² / ndf 40.49 / 42
p0 26.79 ± 146.2
3000
2000
1000
0
−1000
−2000
−3000
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 87.64
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 43
Mean 0.00288
Std Dev 0.9703
8
7
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5
4
3
2
1
0
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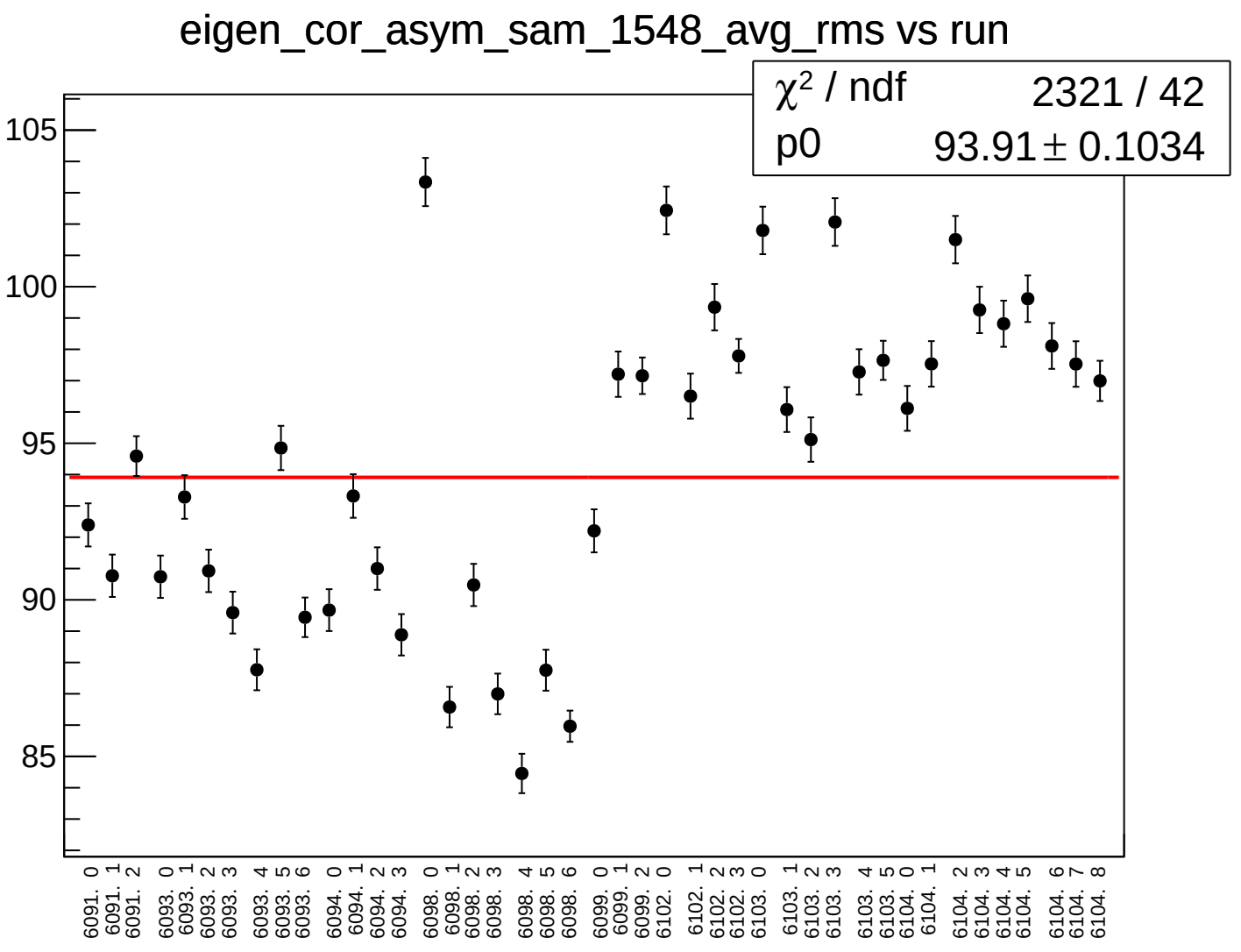
−6
−4
−2
0
2
4
6
8


eigen_cor_asym_sam_1548_avg_rms vs run
χ² / ndf 2321 / 42
p0 93.91 ± 0.1034
105
100
95
90
85
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
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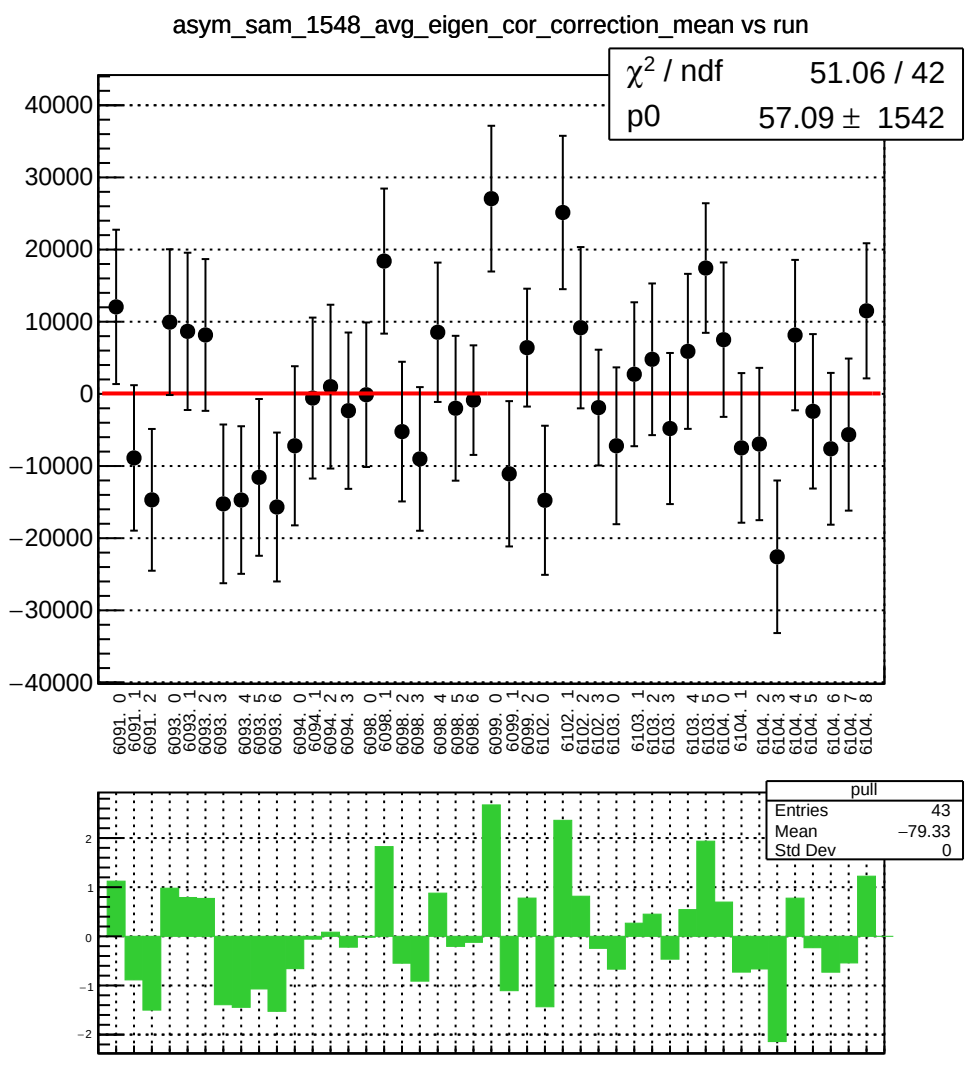
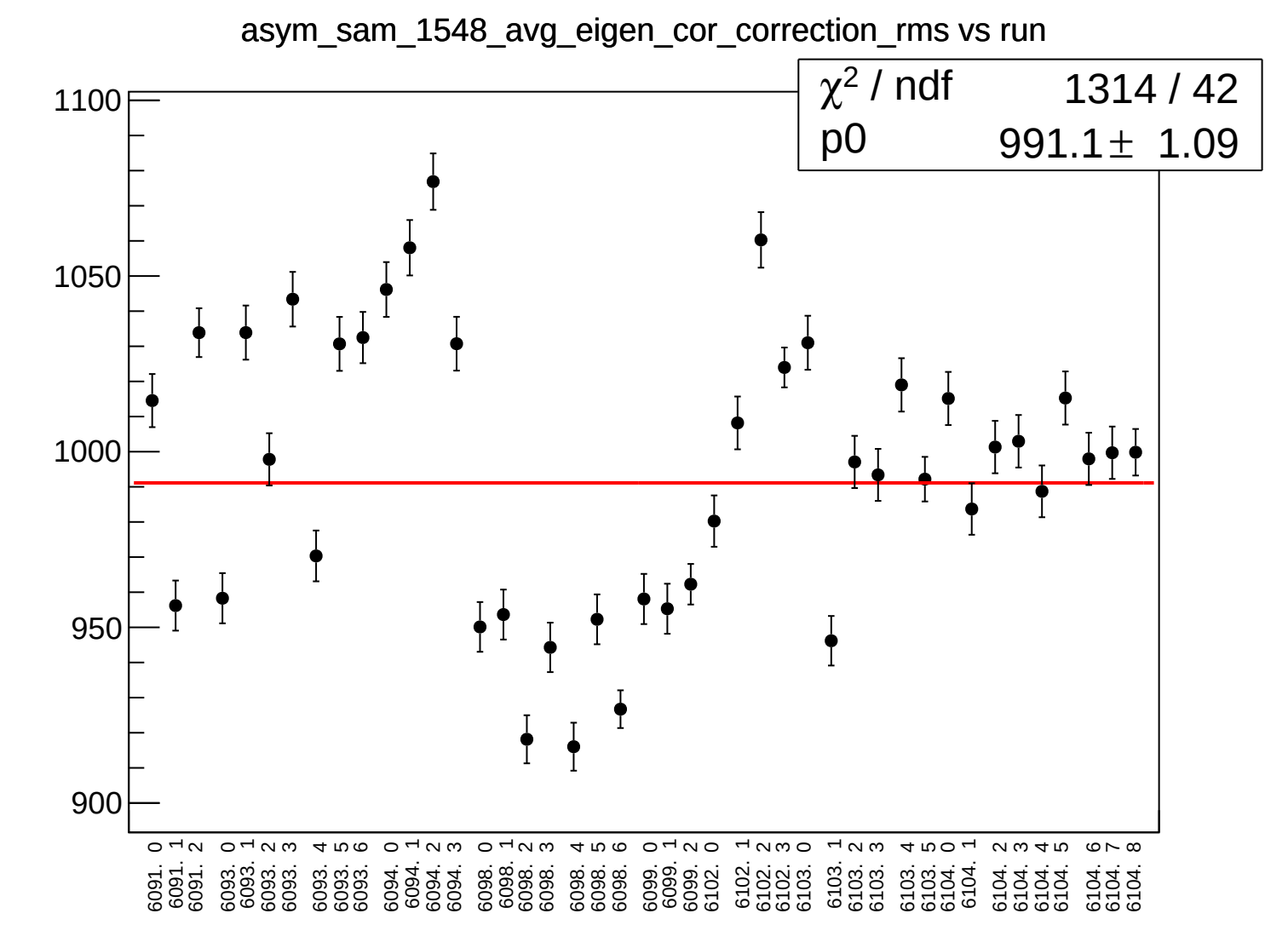
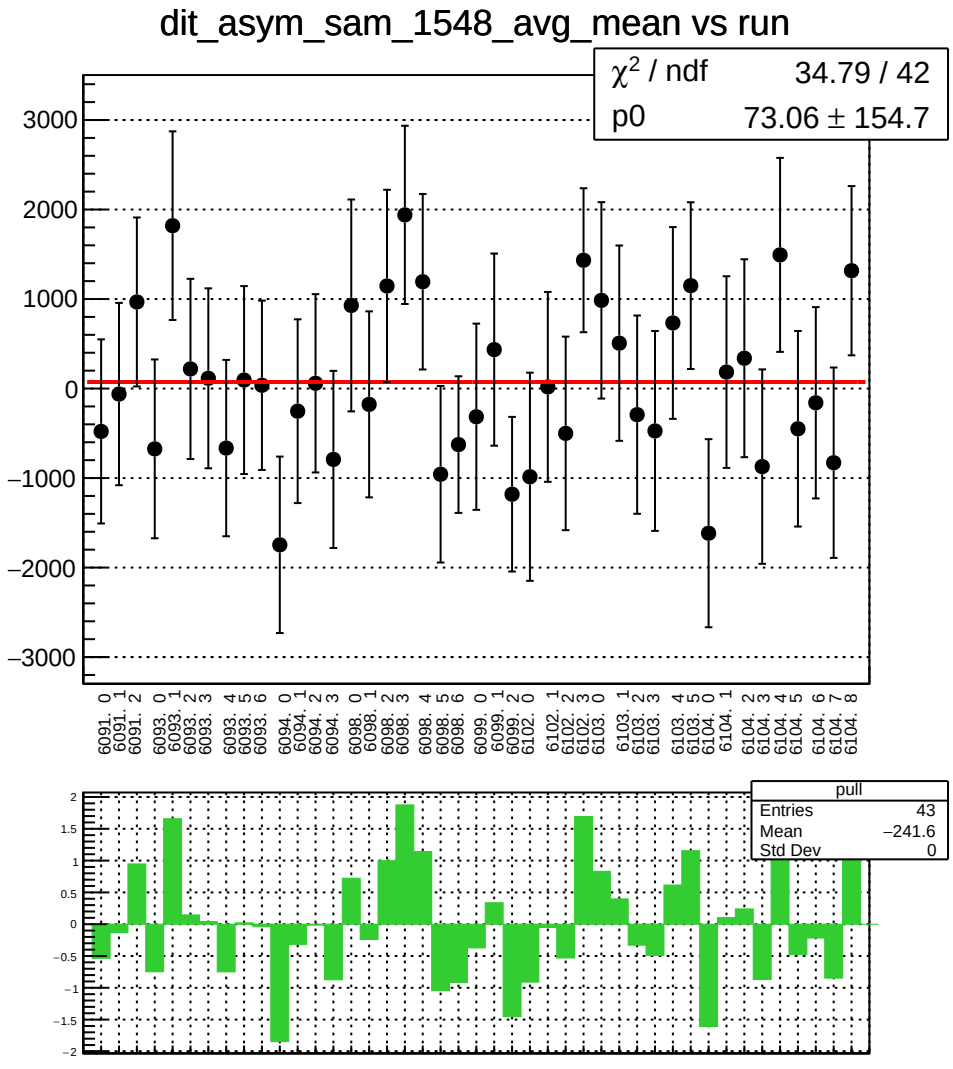
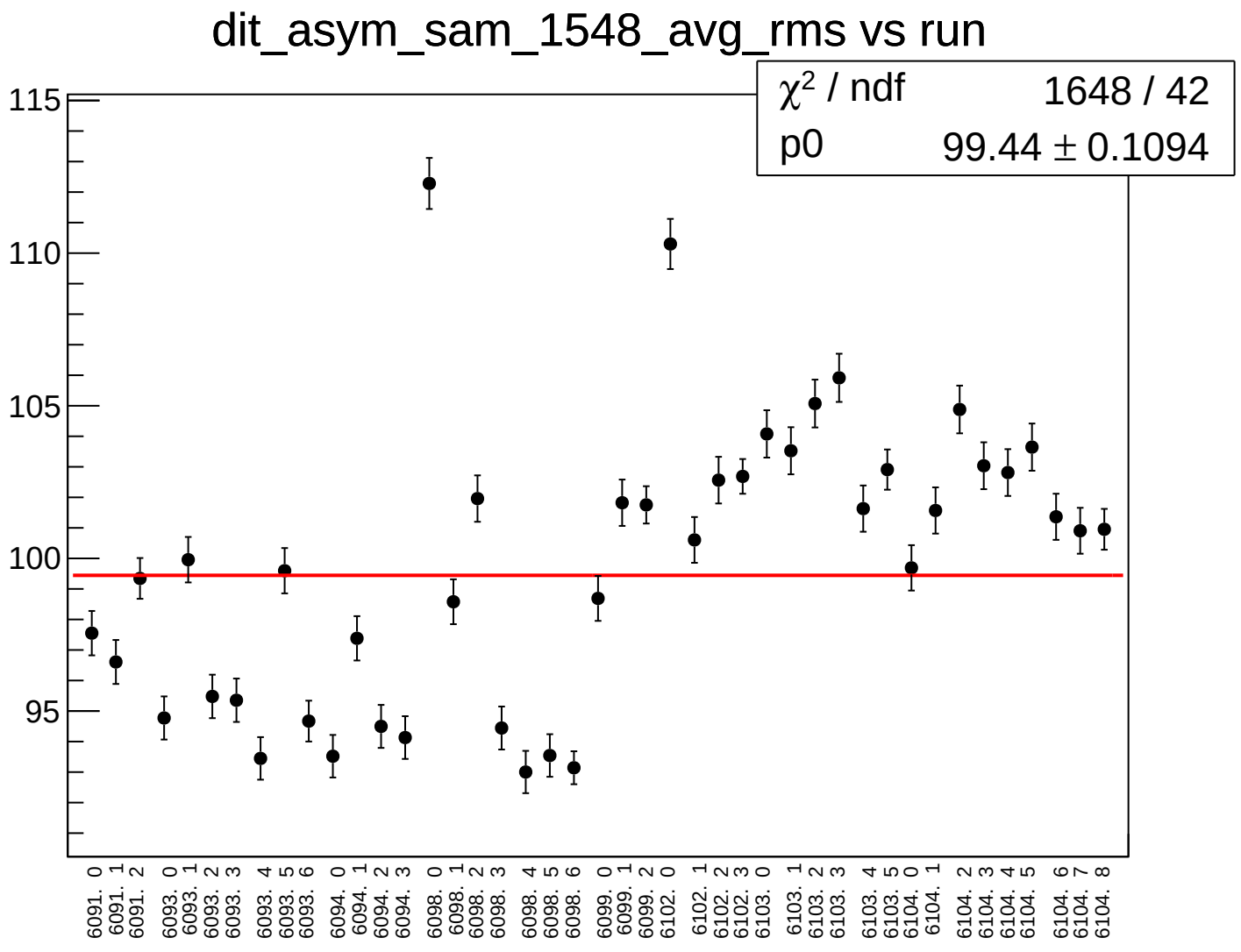
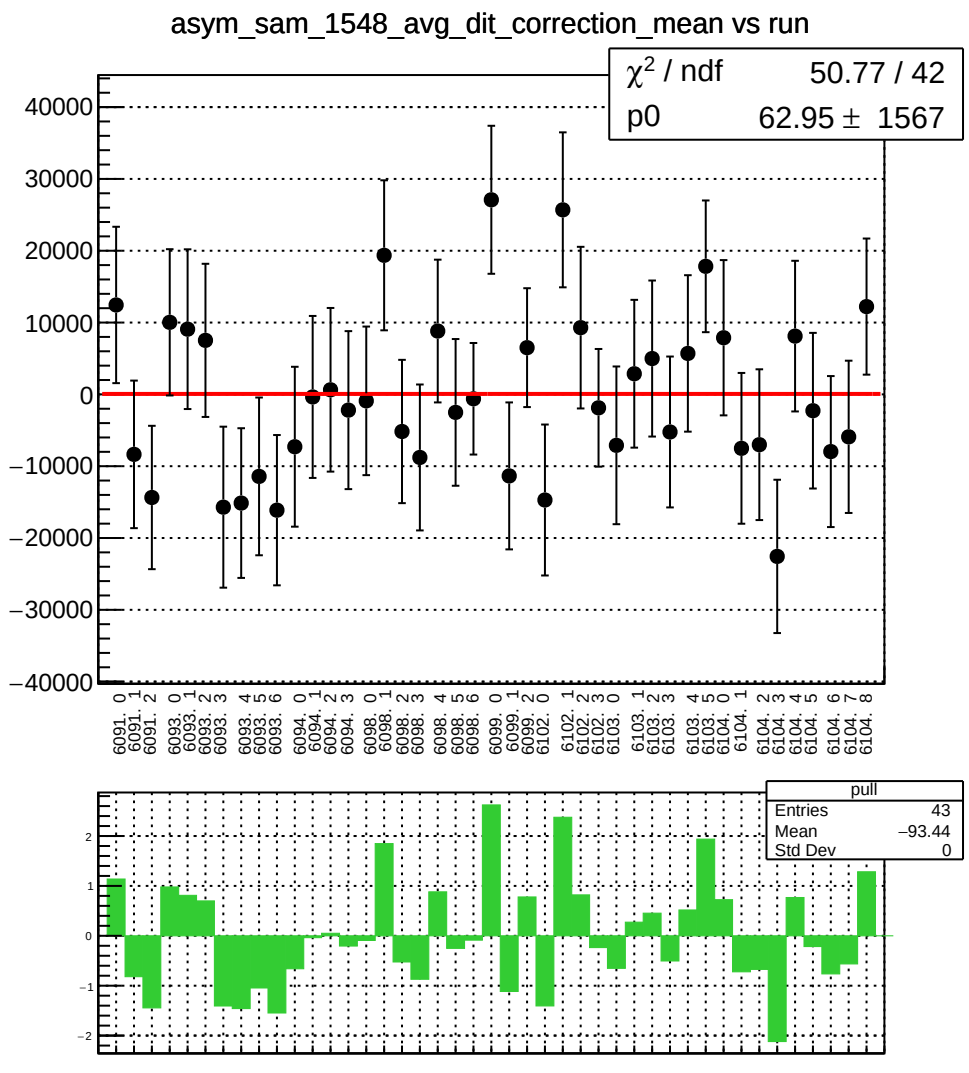
6104. 6
6104. 7
6104. 8

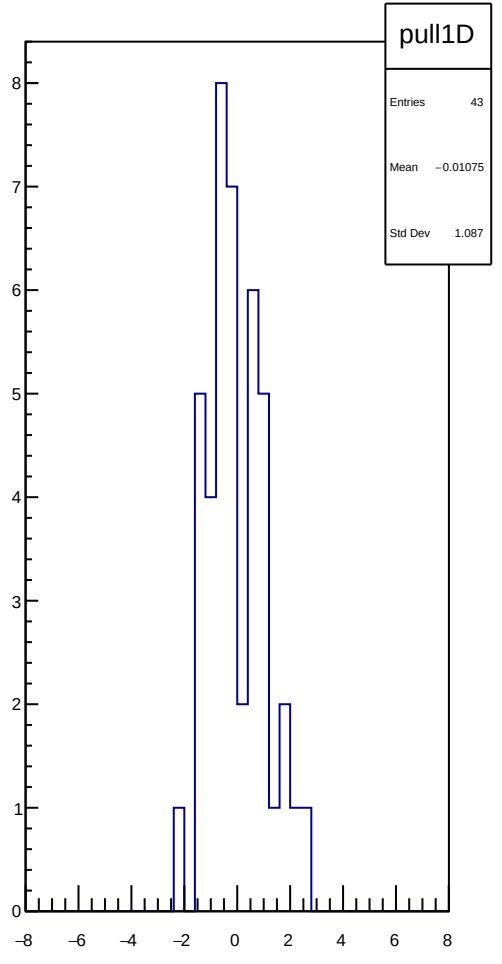

asym_sam_1548_avg_eigen_cor_correction_mean vs run
χ² / ndf 51.06 / 42
p0 57.09 ± 1542
40000
30000
20000
10000
0
−10000
−20000
−30000
−40000
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean −79.33
Std Dev 0
2
1
0
−1
−2
pull1D
Entries 43
Mean −0.01242
Std Dev 1.09
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

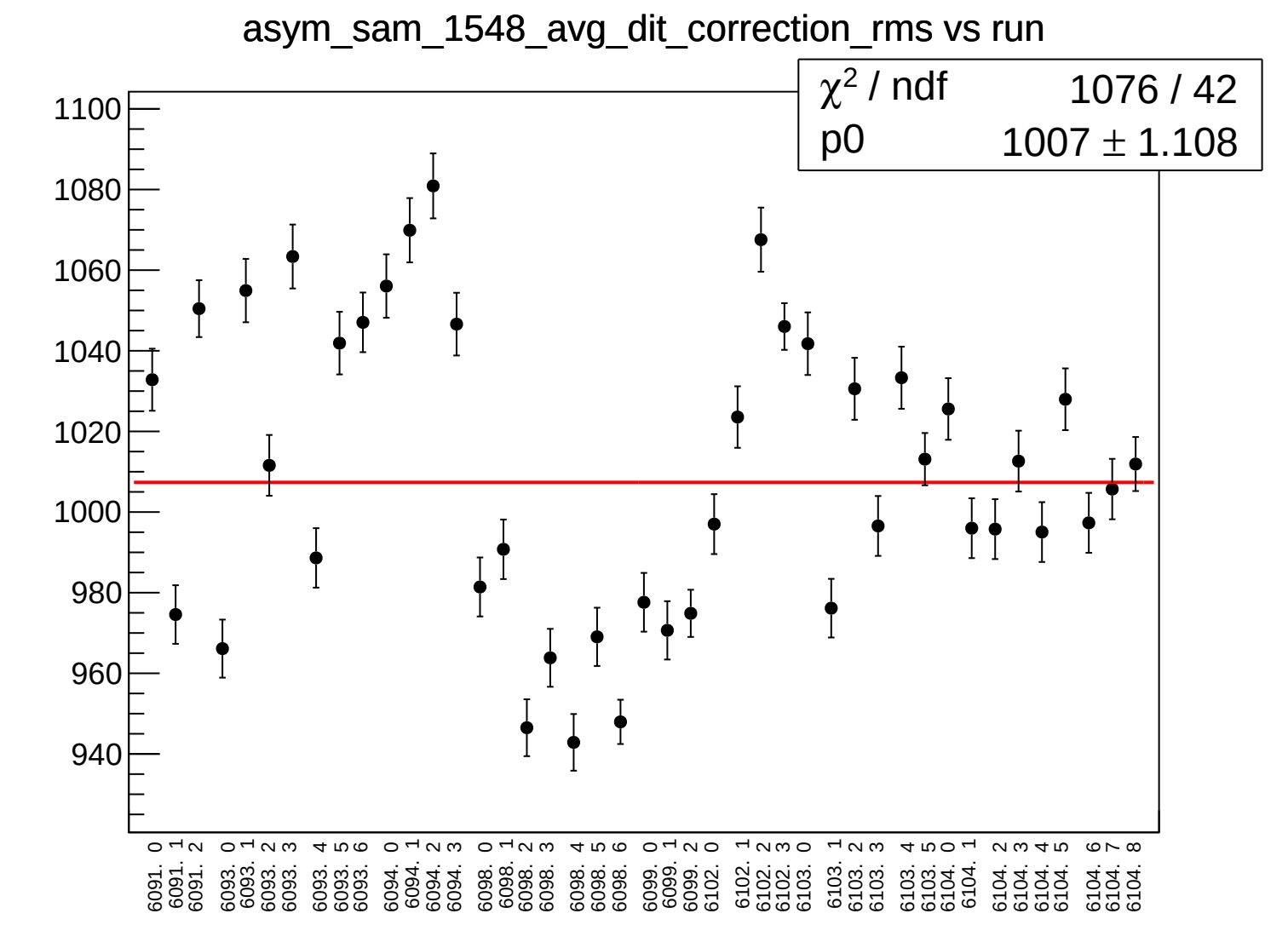

asym_sam_1548_avg_eigen_cor_correction_rms vs run
χ² / ndf 1314 / 42
p0 991.1 ± 1.09
1100
1050
1000
950
900
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8


dit_asym_sam_1548_avg_mean vs run
χ² / ndf 34.79 / 42
p0 73.06 ± 154.7
3000
2000
1000
0
−1000
−2000
−3000
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean −241.6
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 43
Mean −0.001523
Std Dev 0.8995
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


dit_asym_sam_1548_avg_rms vs run
χ² / ndf 1648 / 42
p0 99.44 ± 0.1094
115
110
105
100
95
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8


asym_sam_1548_avg_dit_correction_mean vs run
χ² / ndf 50.77 / 42
p0 62.95 ± 1567
40000
30000
20000
10000
0
−10000
−20000
−30000
−40000
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean −93.44
Std Dev 0
2
1
0
−1
−2


pull1D
Entries 43
Mean −0.01075
Std Dev 1.087
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


asym_sam_1548_avg_dit_correction_rms vs run
χ² / ndf 1076 / 42
p0 1007 ± 1.108
1100
1080
1060
1040
1020
1000
980
960
940
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
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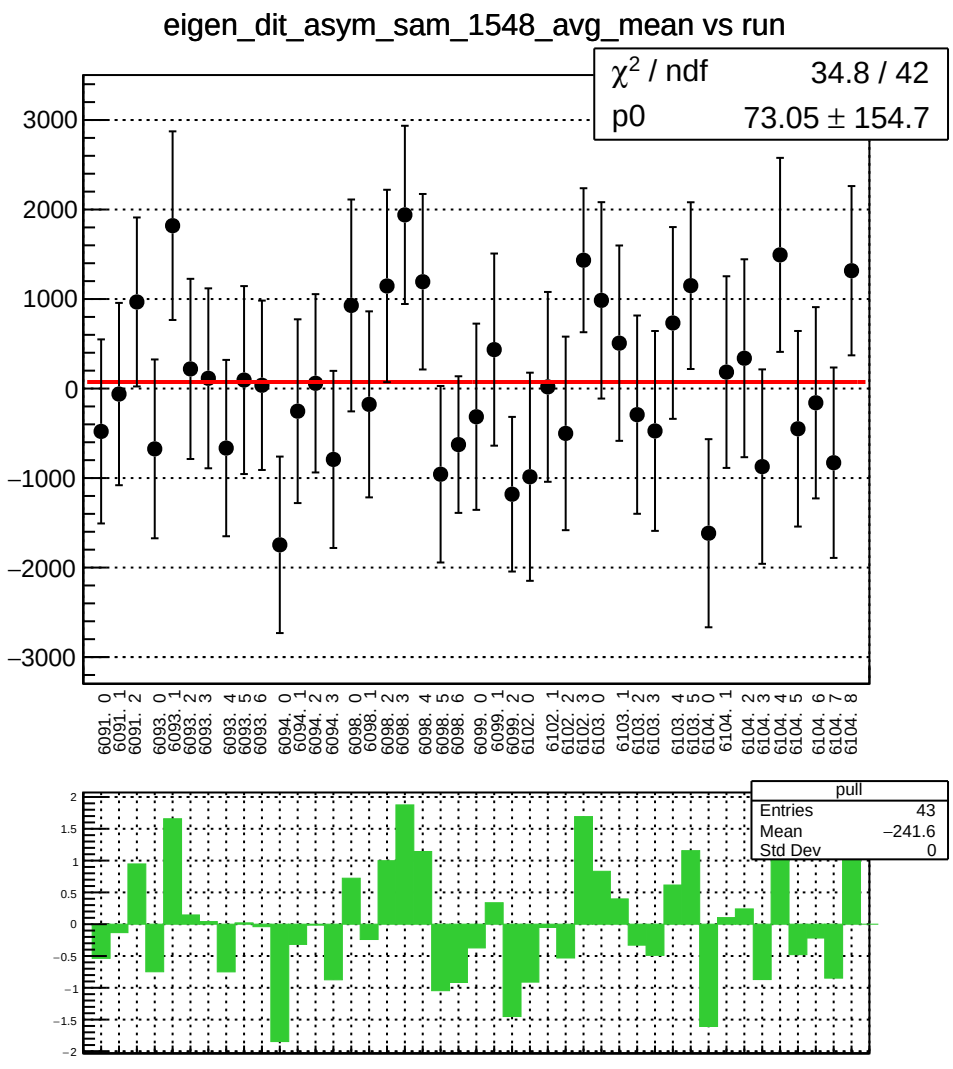
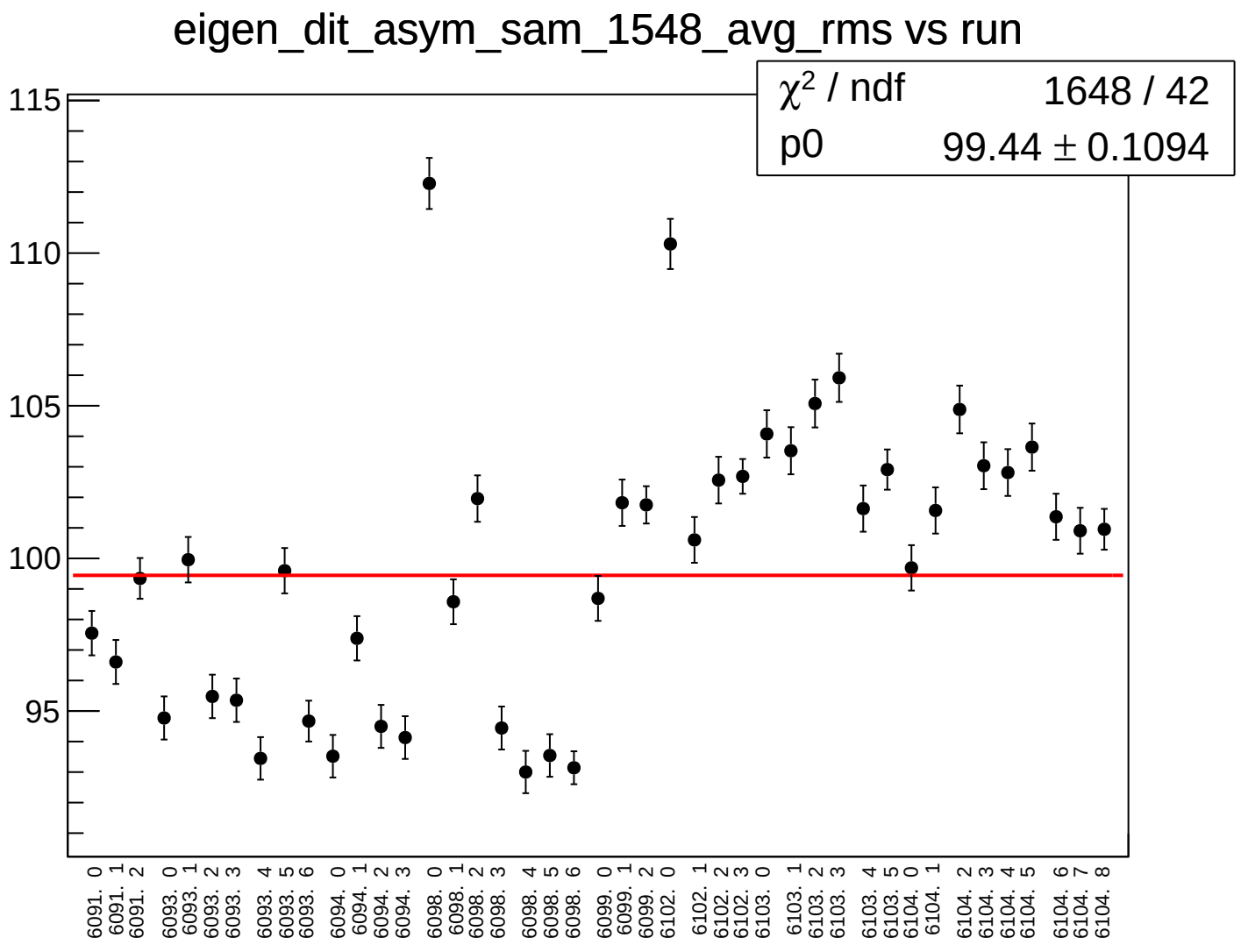
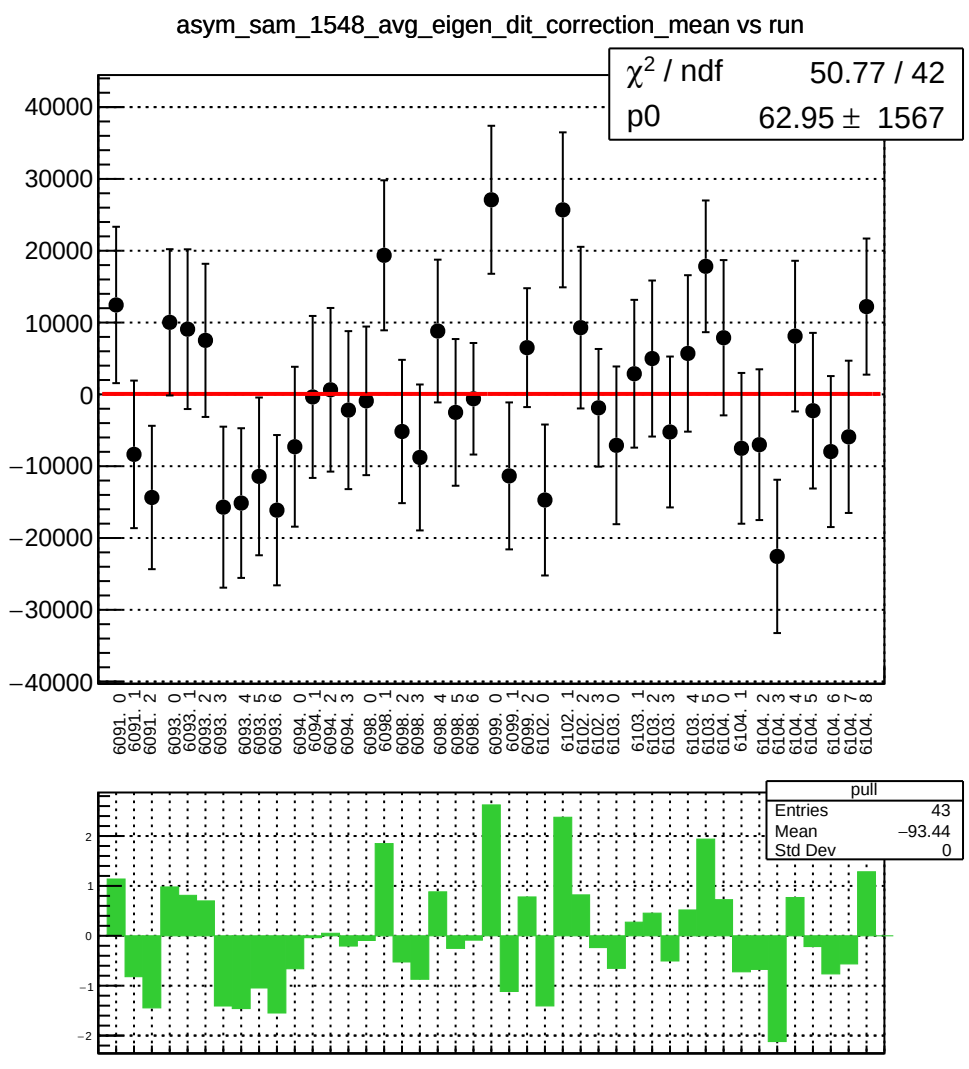
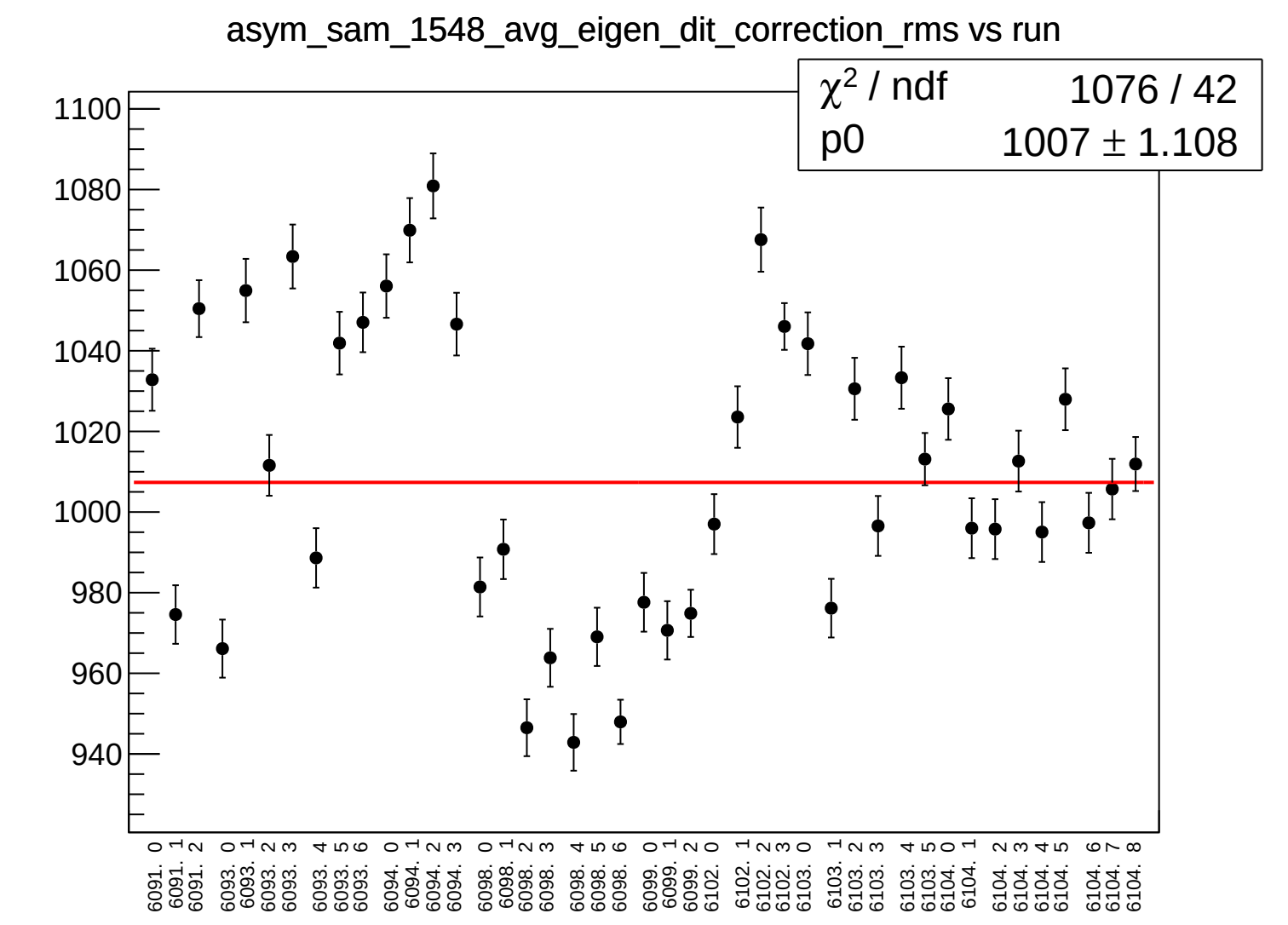
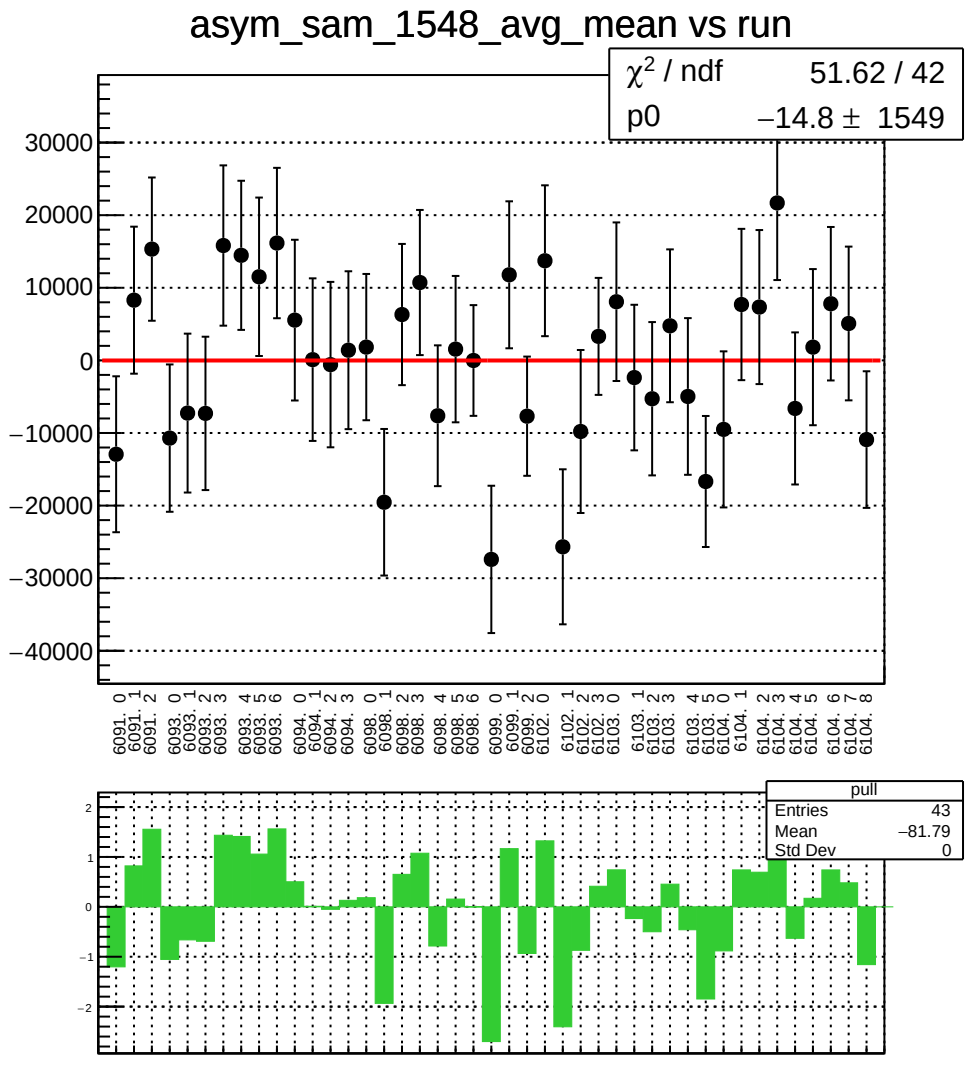
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

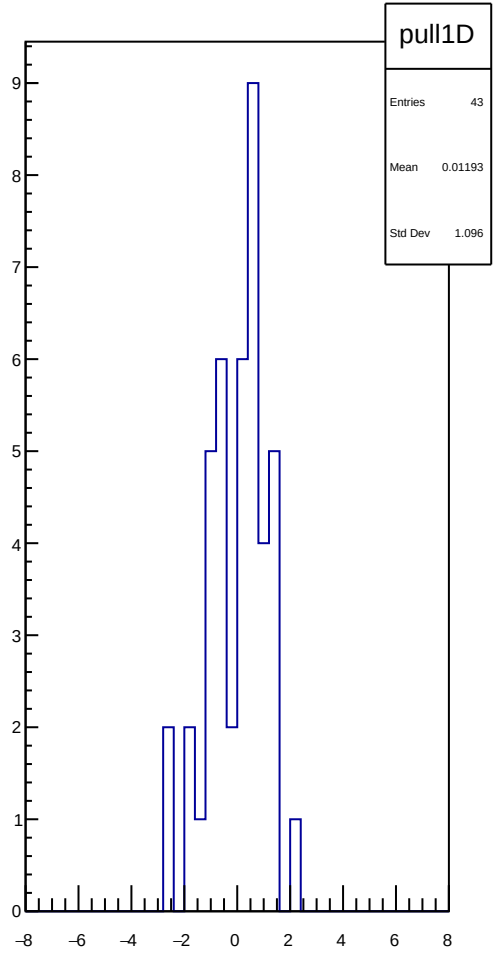

eigen_dit_asym_sam_1548_avg_mean vs run
χ² / ndf 34.8 / 42
p0 73.05 ± 154.7
3000
2000
1000
0
−1000
−2000
−3000
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean −241.6
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 43
Mean −0.001523
Std Dev 0.8995
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

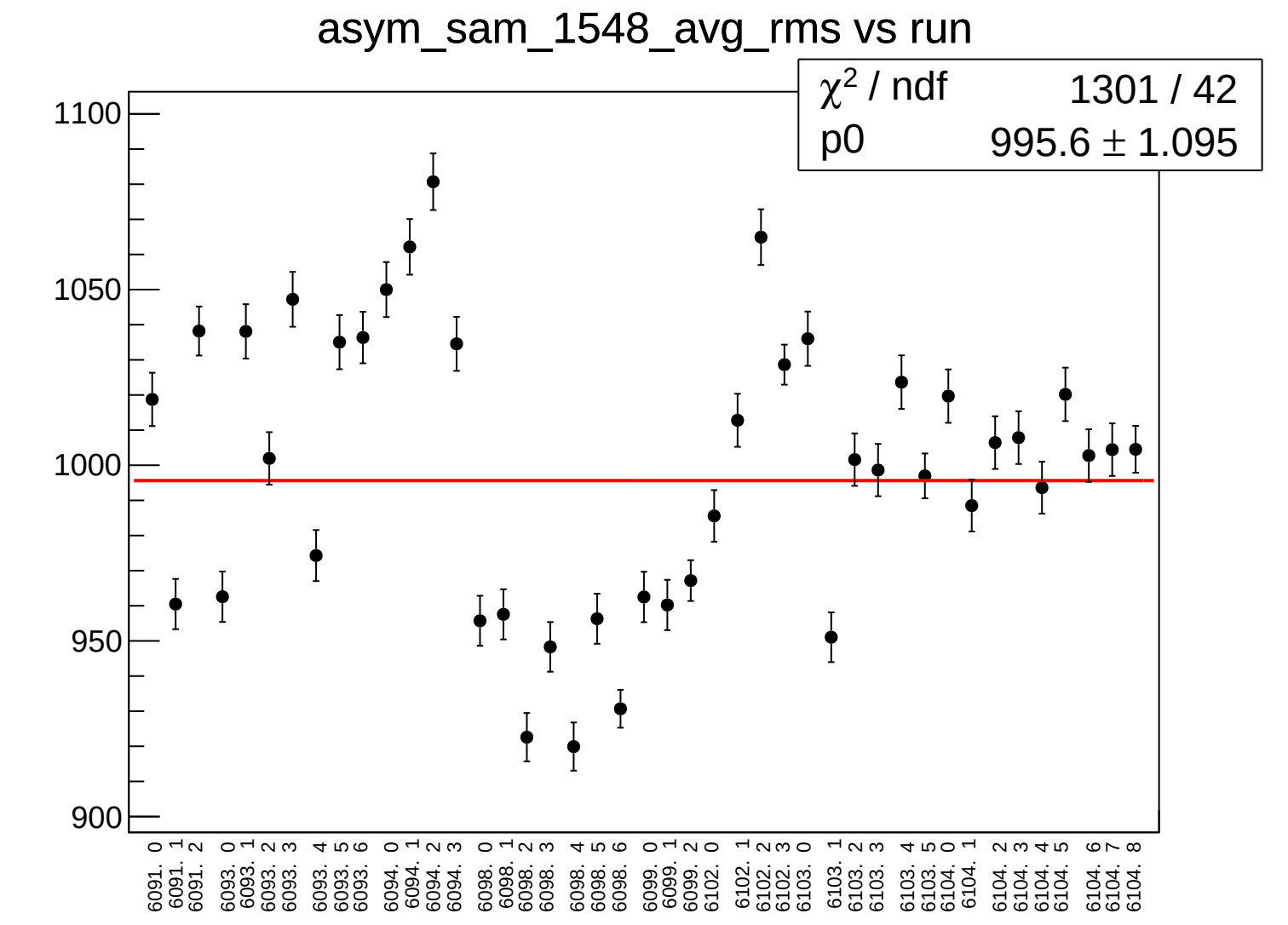

eigen_dit_asym_sam_1548_avg_rms vs run
χ² / ndf 1648 / 42
p0 99.44 ± 0.1094
115
110
105
100
95
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

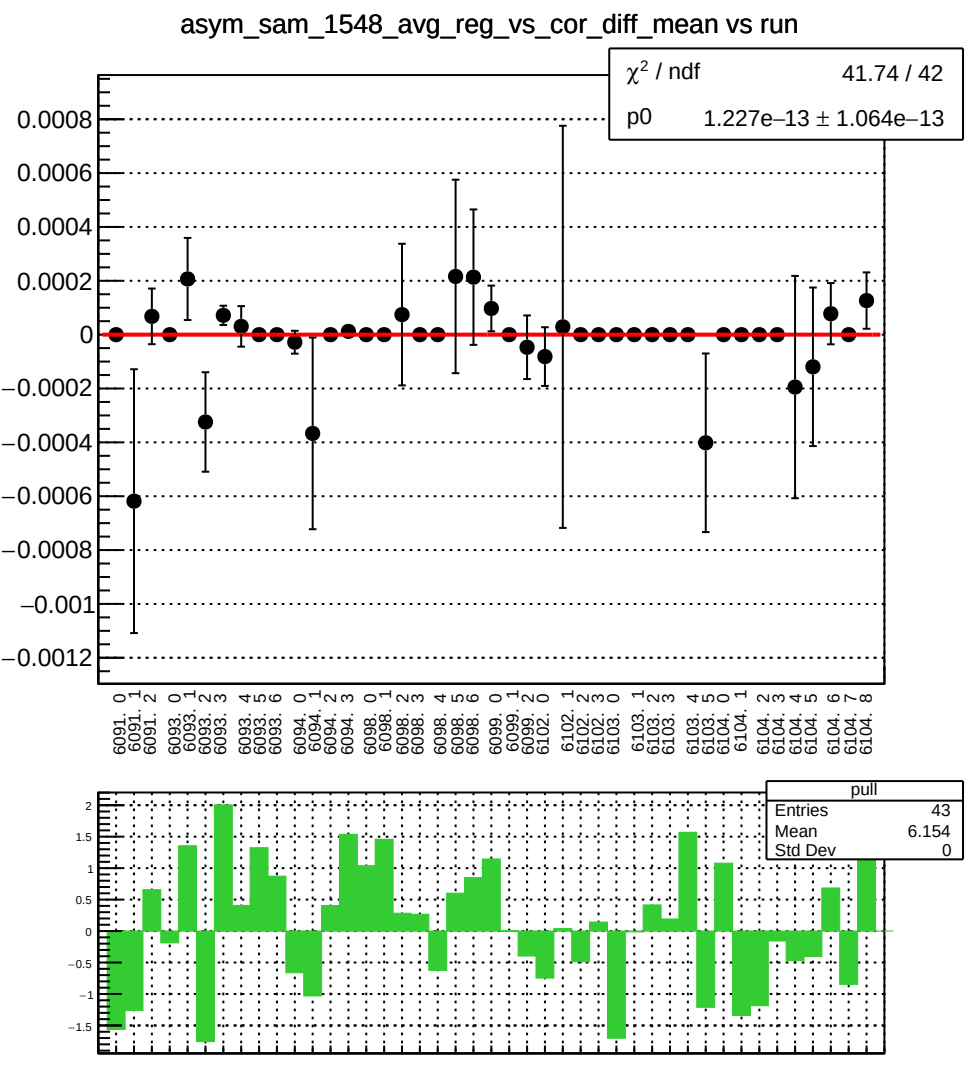

asym_sam_1548_avg_eigen_dit_correction_mean vs run
χ² / ndf 50.77 / 42
p0 62.95 ± 1567
40000
30000
20000
10000
0
−10000
−20000
−30000
−40000
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean −93.44
Std Dev 0
2
1
0
−1
−2
pull1D
Entries 43
Mean −0.01075
Std Dev 1.087
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

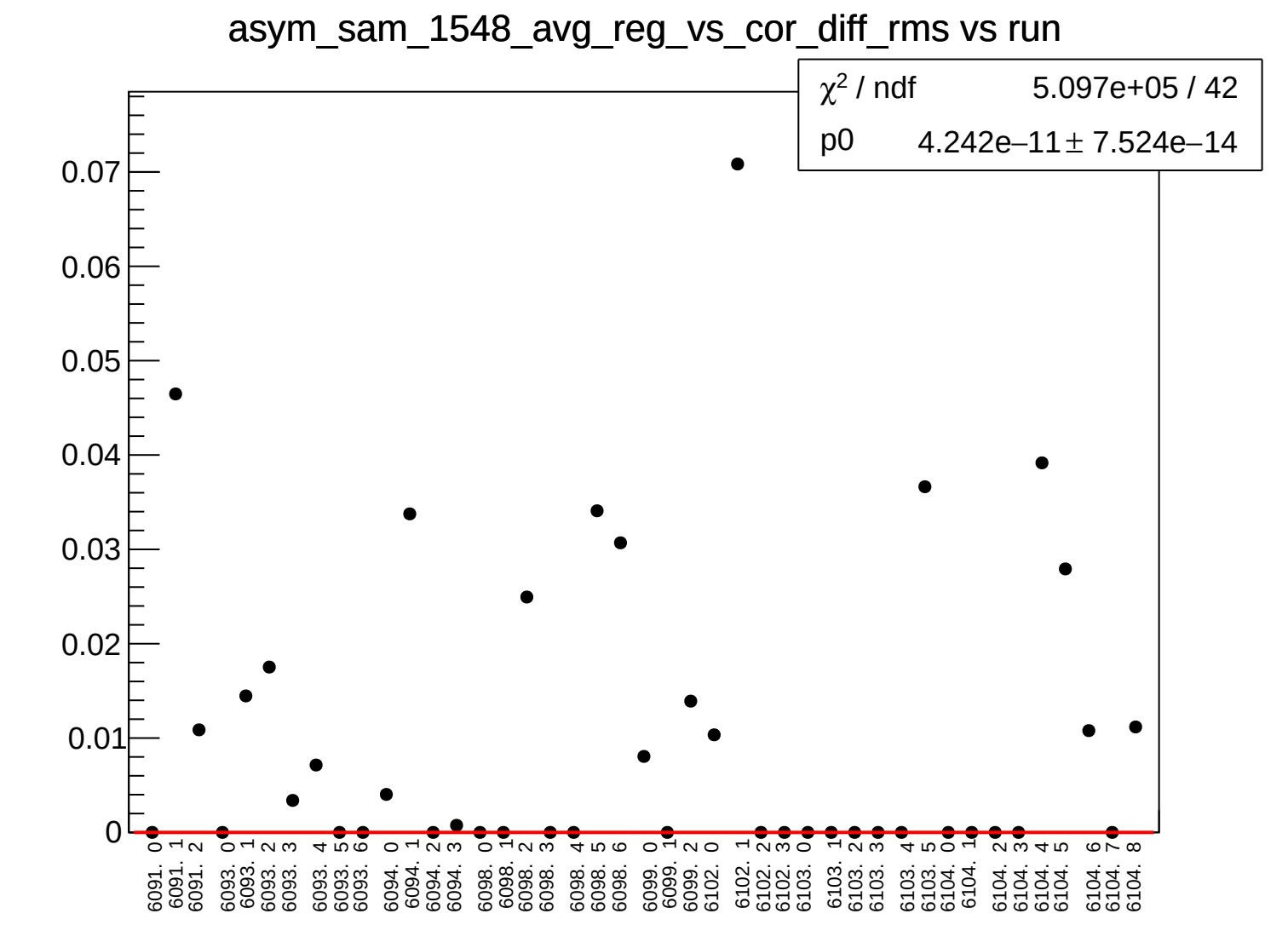

asym_sam_1548_avg_eigen_dit_correction_rms vs run
χ² / ndf 1076 / 42
p0 1007 ± 1.108
1100
1080
1060
1040
1020
1000
980
960
940
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

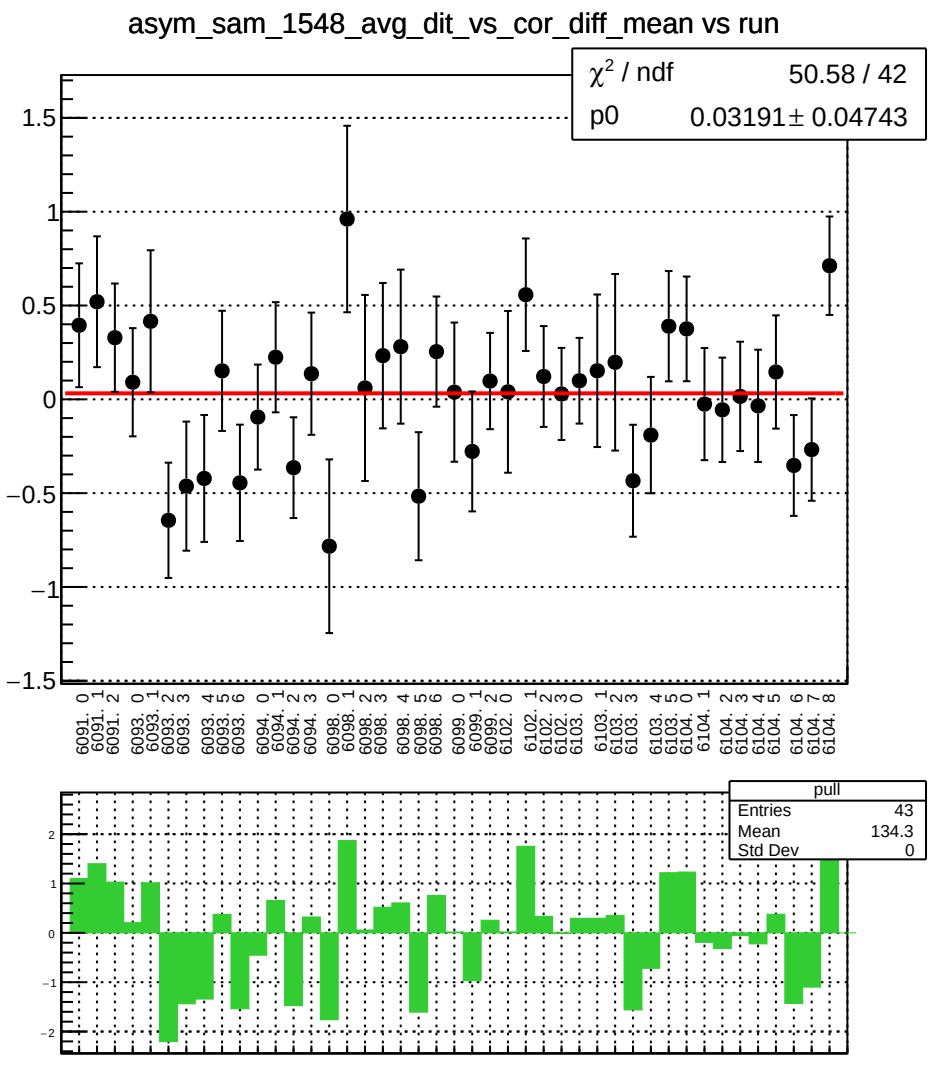

asym_sam_1548_avg_mean vs run
χ² / ndf 51.62 / 42
p0 −14.8 ± 1549
30000
20000
10000
0
−10000
−20000
−30000
−40000
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean −81.79
Std Dev 0
2
1
0
−1
−2

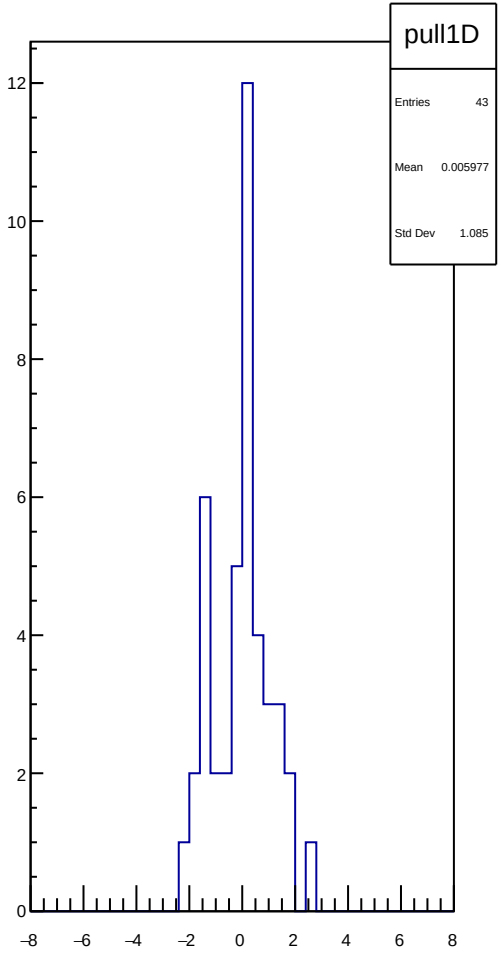

pull1D
Entries 43
Mean 0.01193
Std Dev 1.096
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

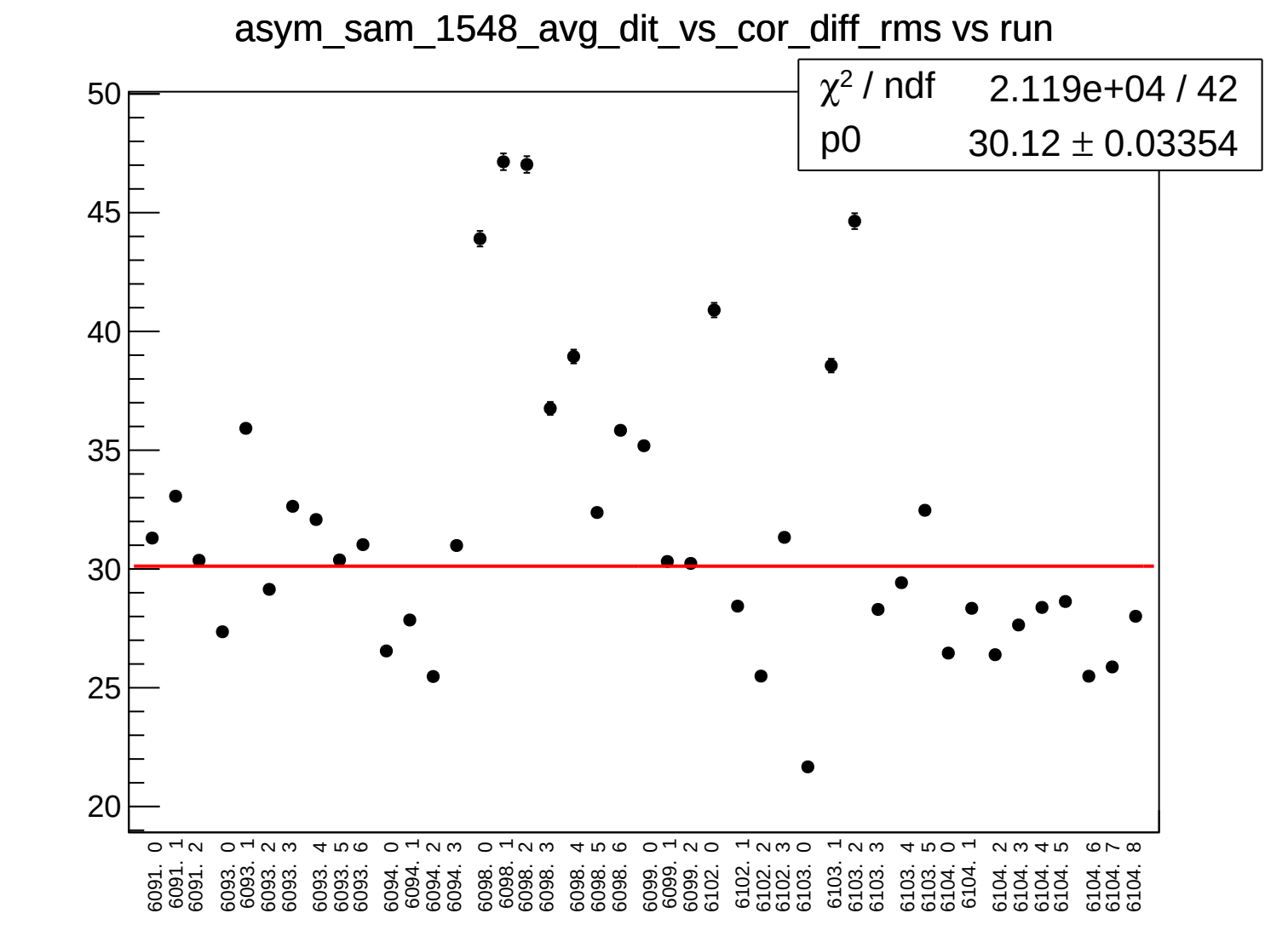

asym_sam_1548_avg_rms vs run
χ² / ndf 1301 / 42
p0 995.6 ± 1.095
1100
1050
1000
950
900
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

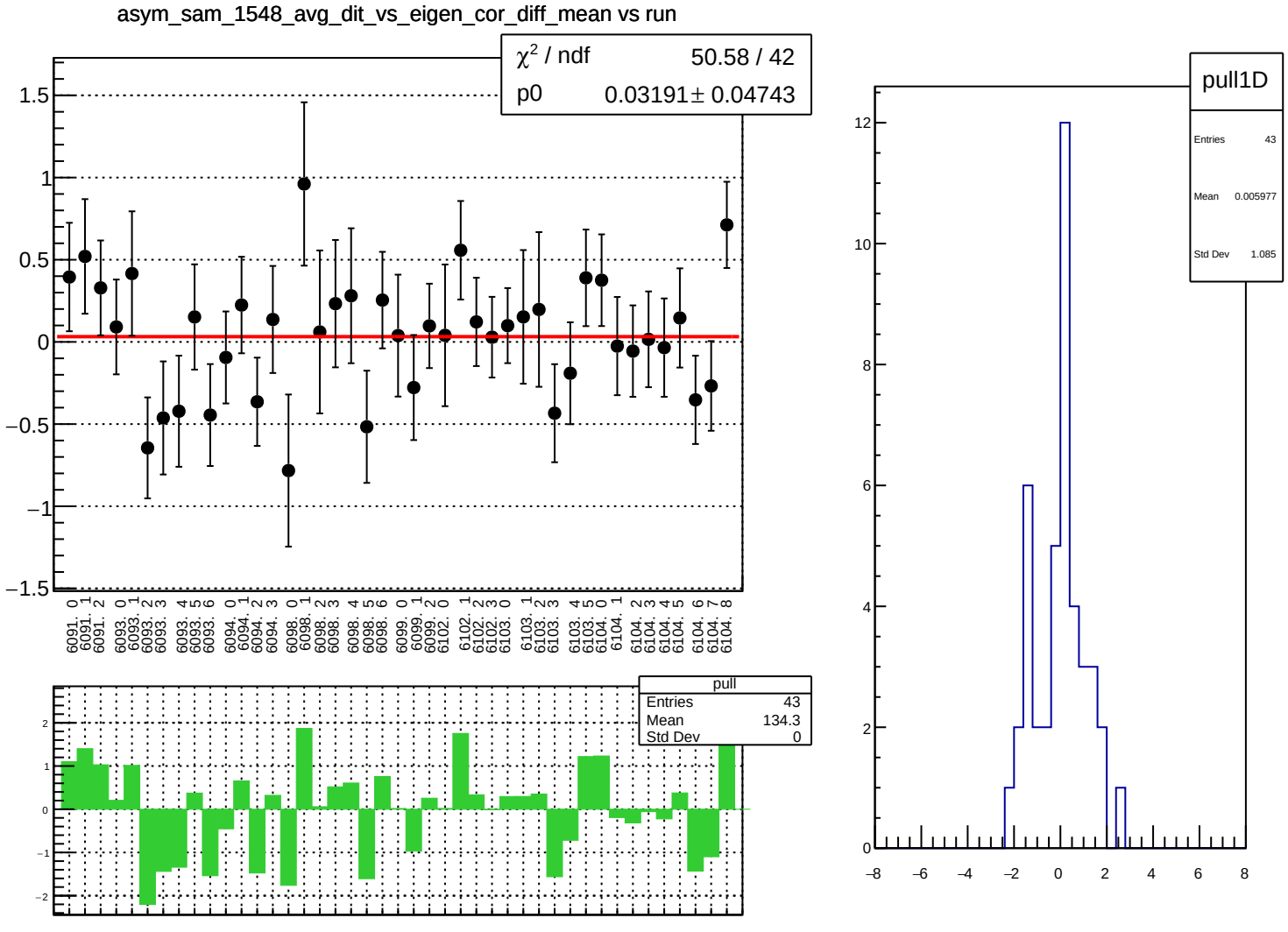

asym_sam_1548_avg_reg_vs_cor_diff_mean vs run
χ² / ndf 41.74 / 42
p0 1.227e−13 ± 1.064e−13
0.0008
0.0006
0.0004
0.0002
0
−0.0002
−0.0004
−0.0006
−0.0008
−0.001
−0.0012
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 6.154
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 43
Mean 0.08108
Std Dev 0.9819
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

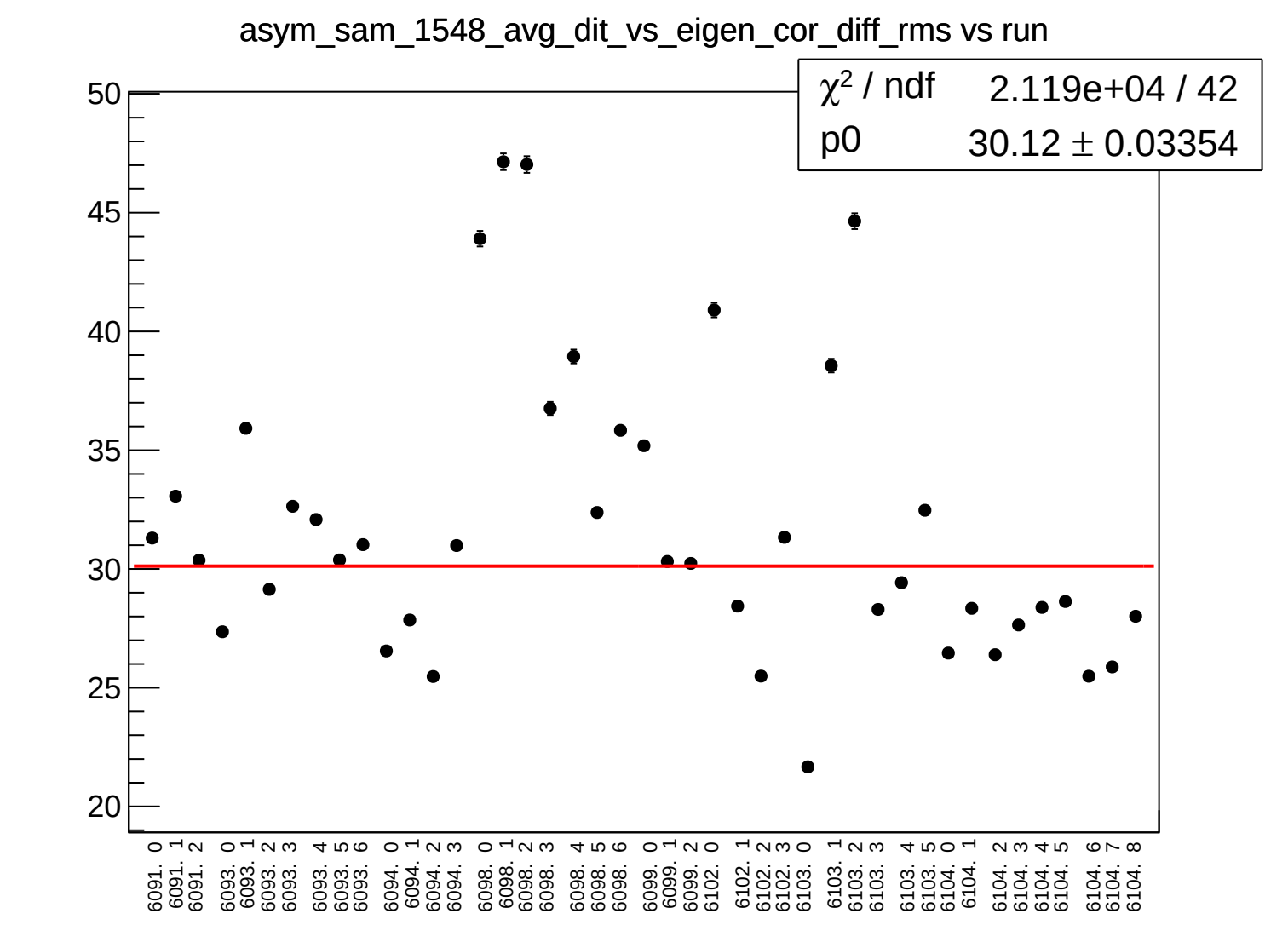

asym_sam_1548_avg_reg_vs_cor_diff_rms vs run
χ² / ndf 5.097e+05 / 42
p0 4.242e−11 ± 7.524e−14
0.07
0.06
0.05
0.04
0.03
0.02
0.01
0
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

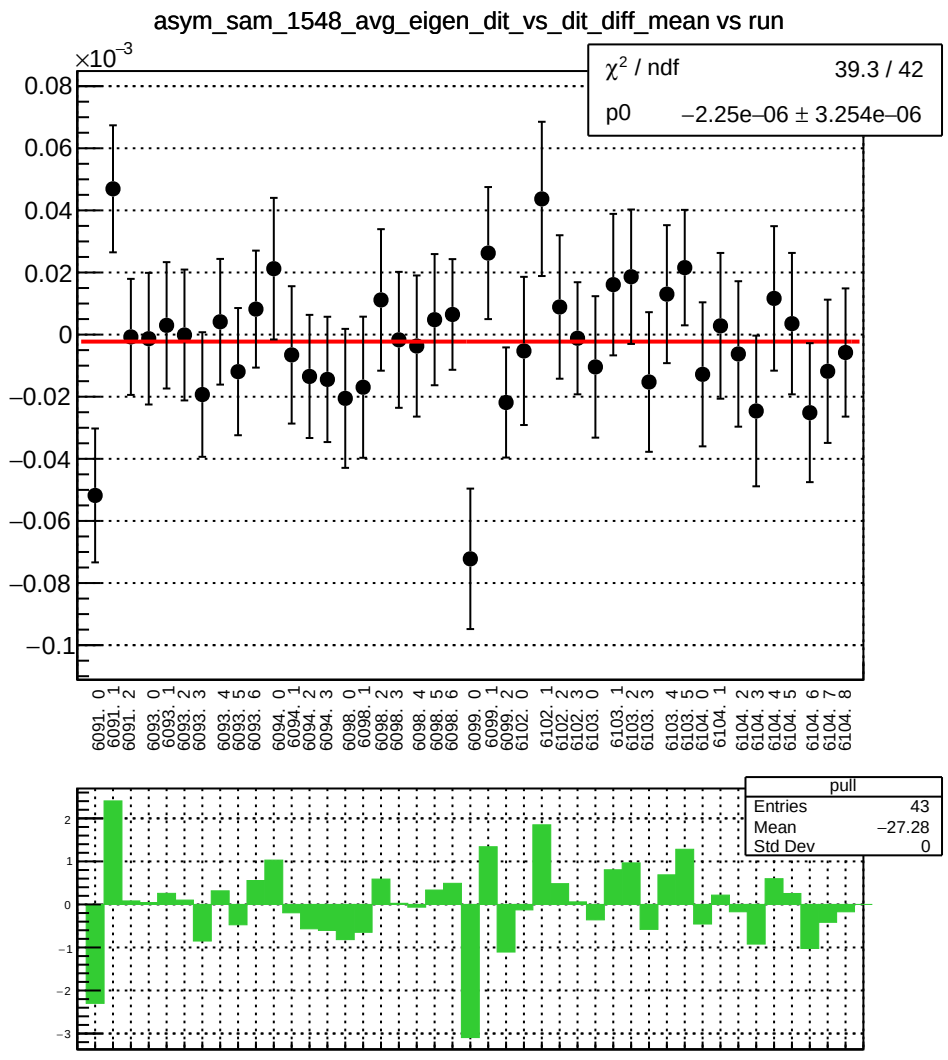

asym_sam_1548_avg_dit_vs_cor_diff_mean vs run
χ² / ndf 50.58 / 42
p0 0.03191 ± 0.04743
1.5
1
0.5
0
−0.5
−1
−1.5
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 134.3
Std Dev 0
2
1
0
−1
−2

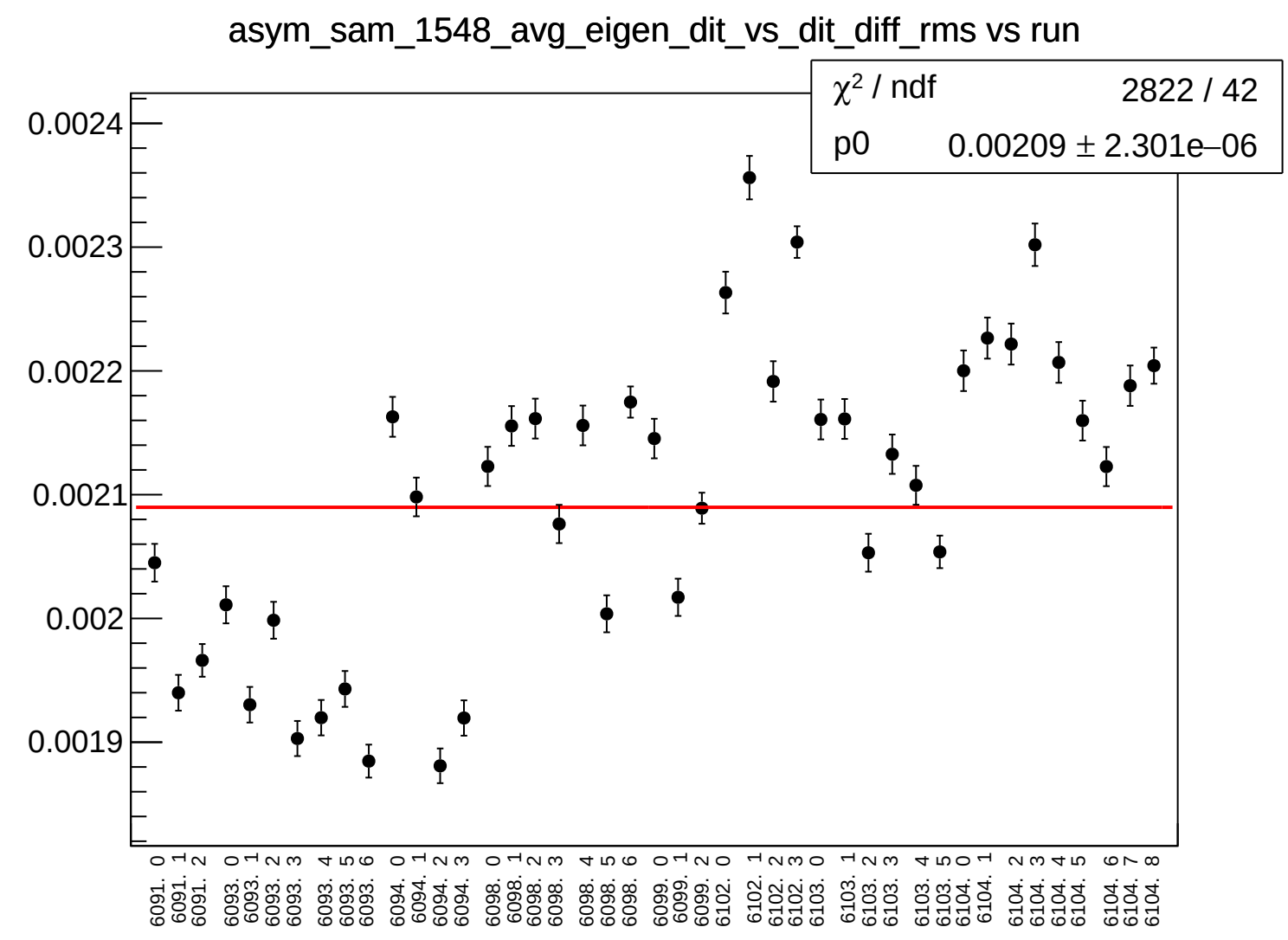

pull1D
Entries 43
Mean 0.005977
Std Dev 1.085
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

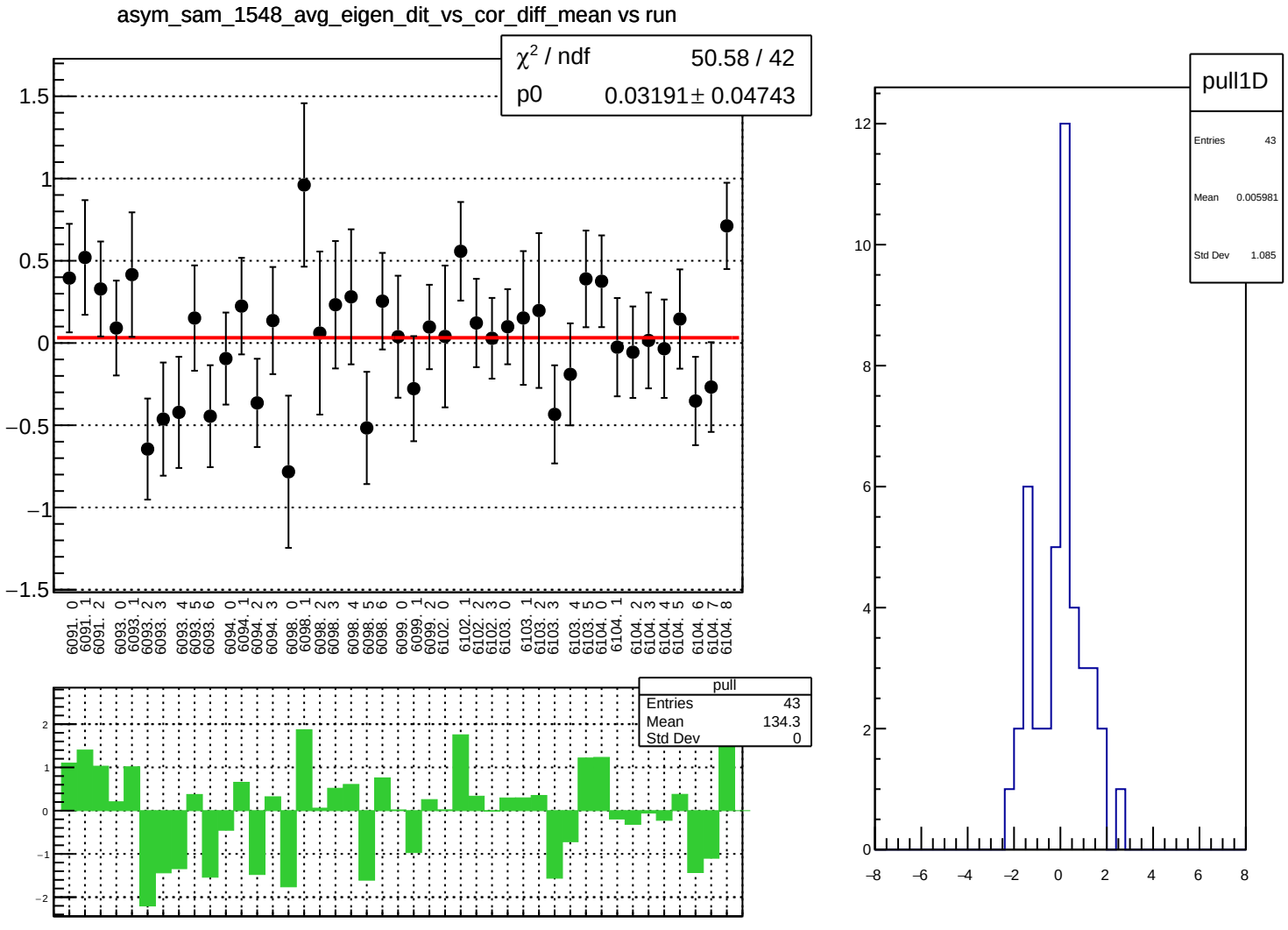

asym_sam_1548_avg_dit_vs_cor_diff_rms vs run
χ² / ndf 2.119e+04 / 42
p0 30.12 ± 0.03354
50
45
40
35
30
25
20
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

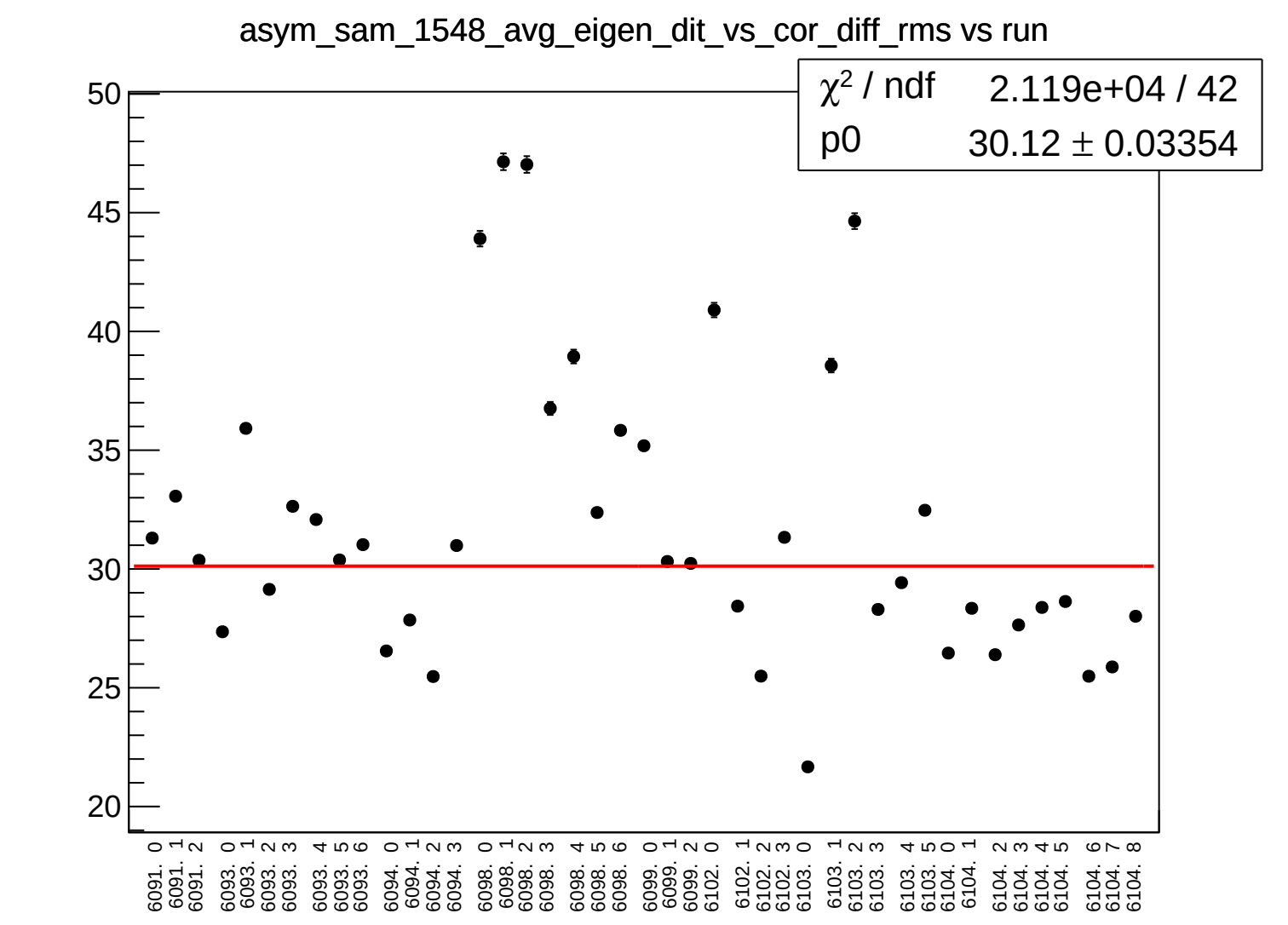

asym_sam_1548_avg_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 50.58 / 42
p0 0.03191 ± 0.04743
1.5
1
0.5
0
−0.5
−1
−1.5
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 134.3
Std Dev 0
2
1
0
−1
−2
pull1D
Entries 43
Mean 0.005977
Std Dev 1.085
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

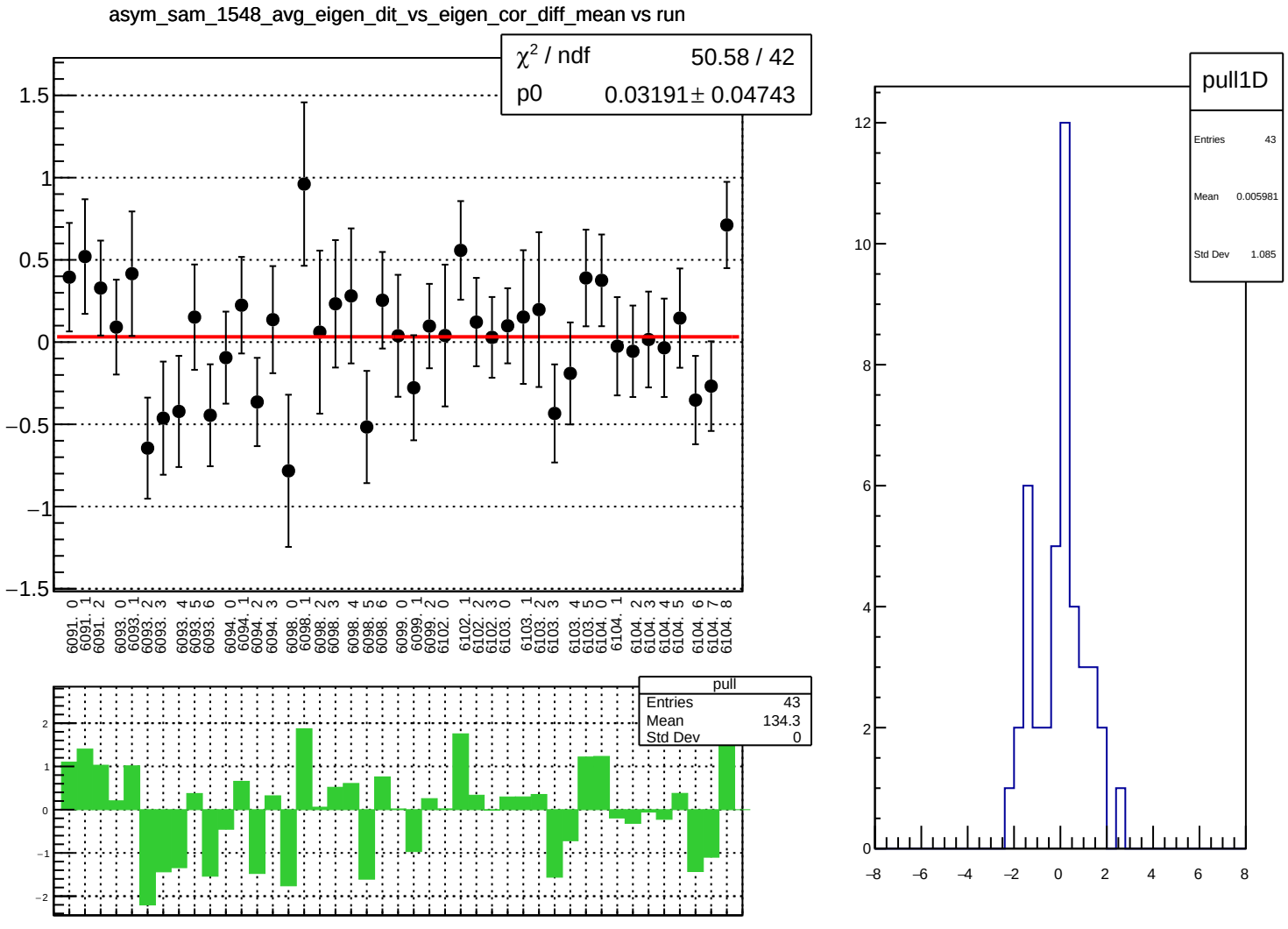

asym_sam_1548_avg_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 2.119e+04 / 42
p0 30.12 ± 0.03354
50
45
40
35
30
25
20
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

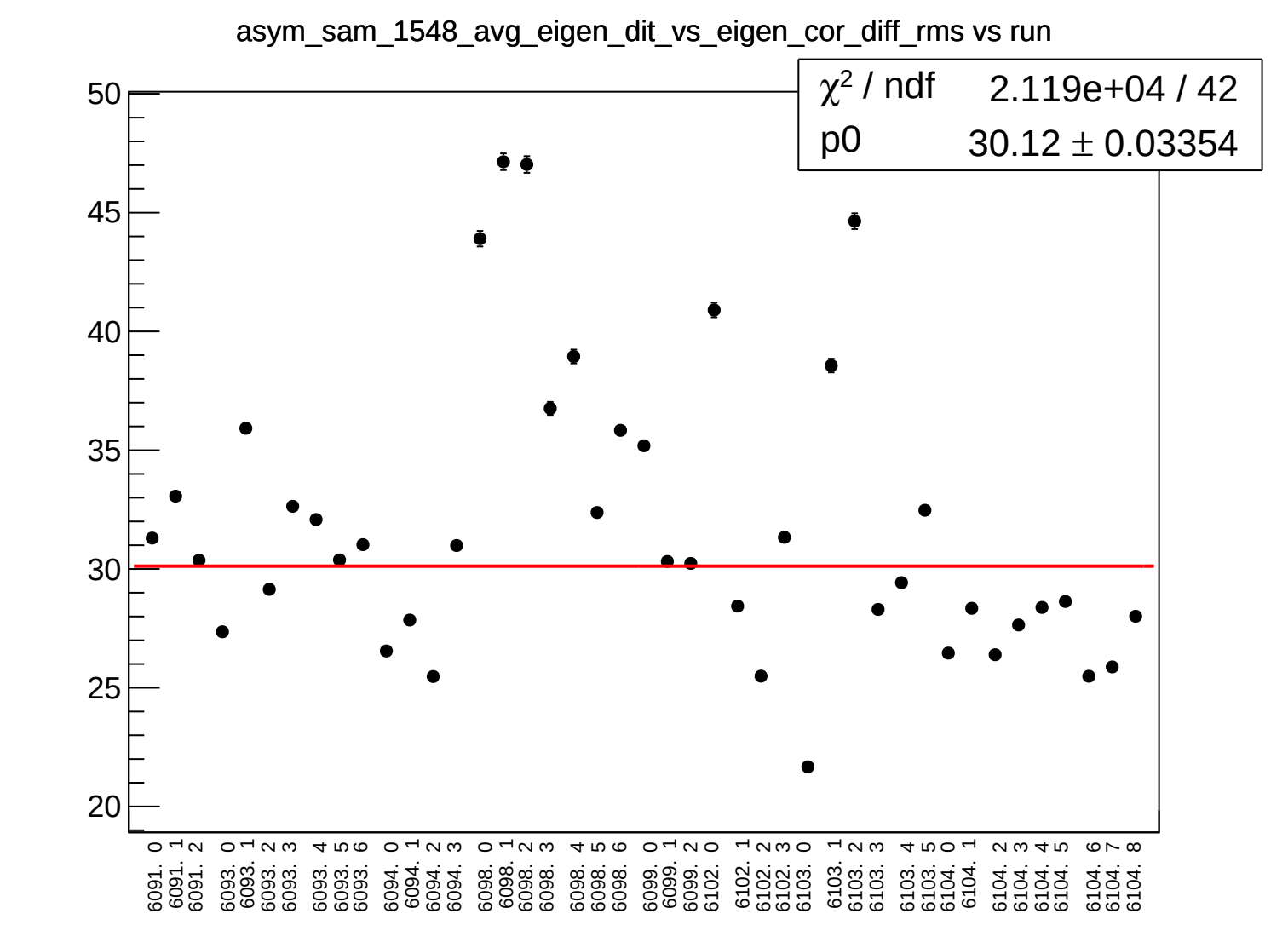

asym_sam_1548_avg_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 39.3 / 42
p0 −2.25e−06 ± 3.254e−06
0.08
0.06
0.04
0.02
0
−0.02
−0.04
−0.06
−0.08
−0.1
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean −27.28
Std Dev 0
2
1
0
−1
−2
−3
pull1D
Entries 43
Mean −0.003678
Std Dev 0.956
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

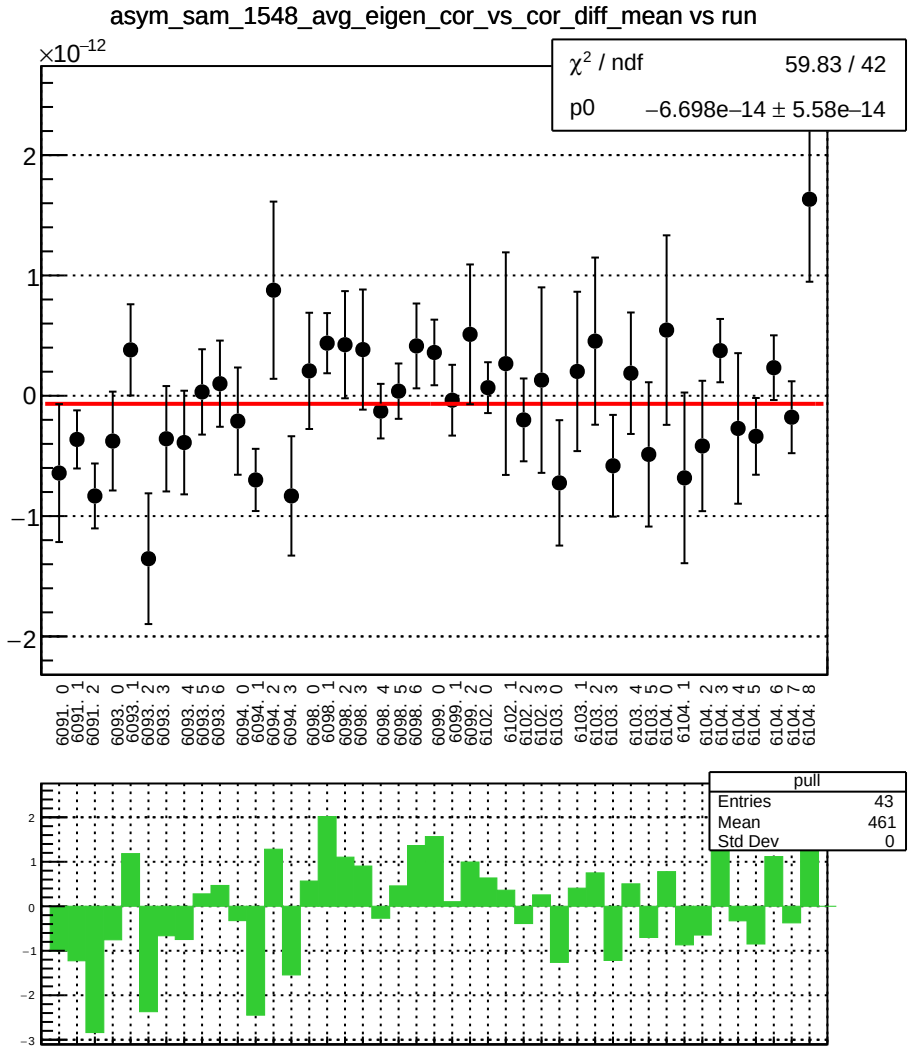

asym_sam_1548_avg_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 2822 / 42
p0 0.00209 ± 2.301e−06
0.0024
0.0023
0.0022
0.0021
0.002
0.0019
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

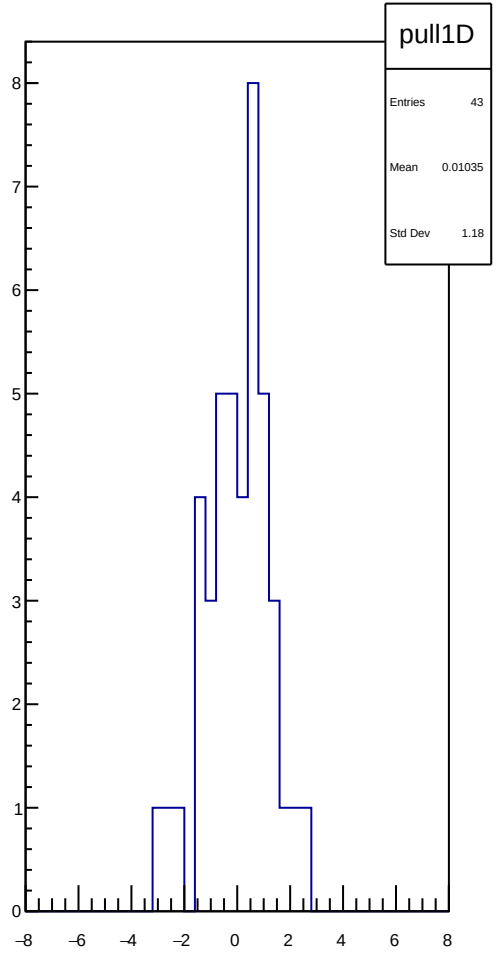

asym_sam_1548_avg_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 50.58 / 42
p0 0.03191 ± 0.04743
1.5
1
0.5
0
−0.5
−1
−1.5
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 134.3
Std Dev 0
2
1
0
−1
−2
pull1D
Entries 43
Mean 0.005981
Std Dev 1.085
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

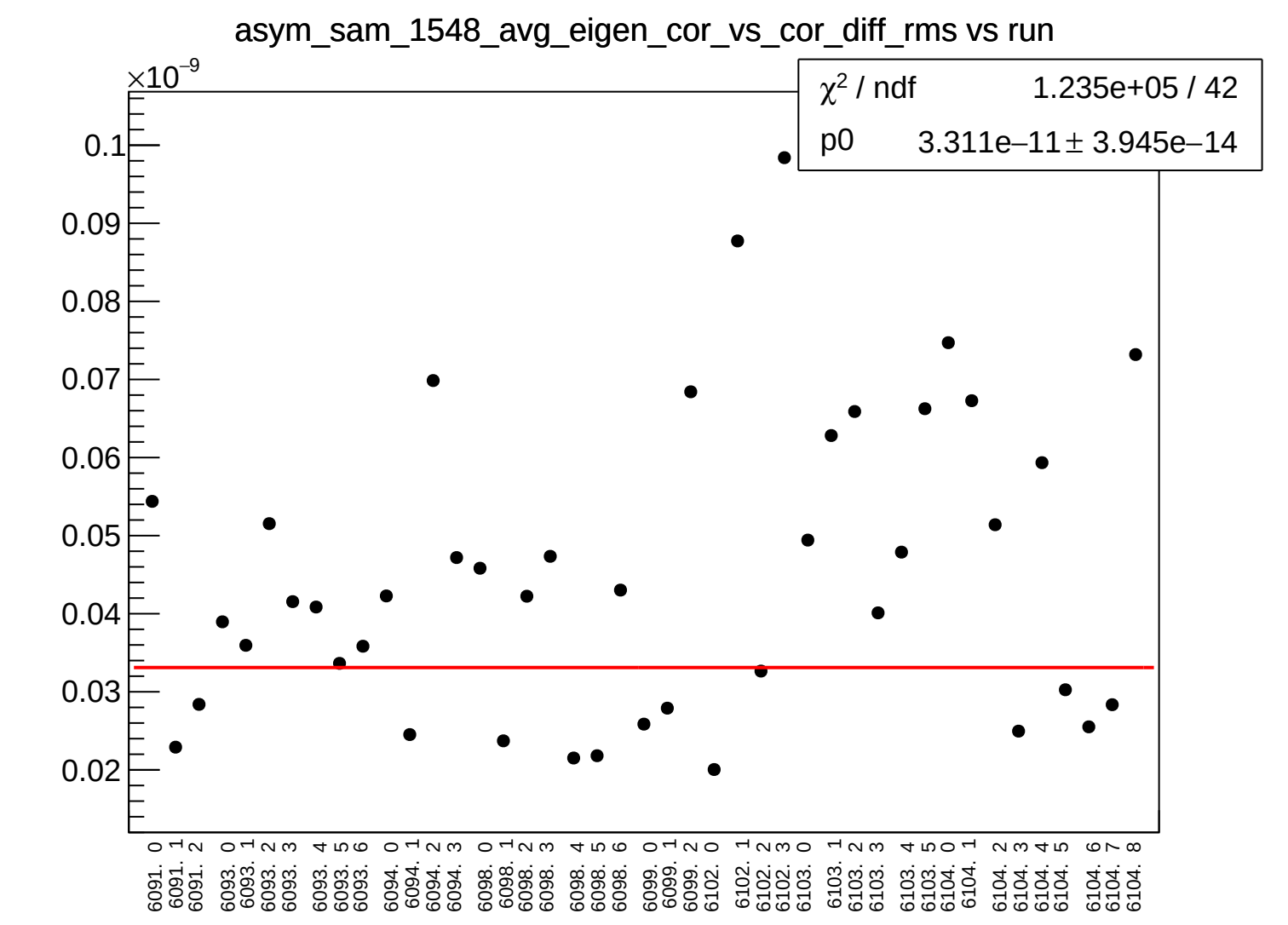

asym_sam_1548_avg_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 2.119e+04 / 42
p0 30.12 ± 0.03354
50
45
40
35
30
25
20
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

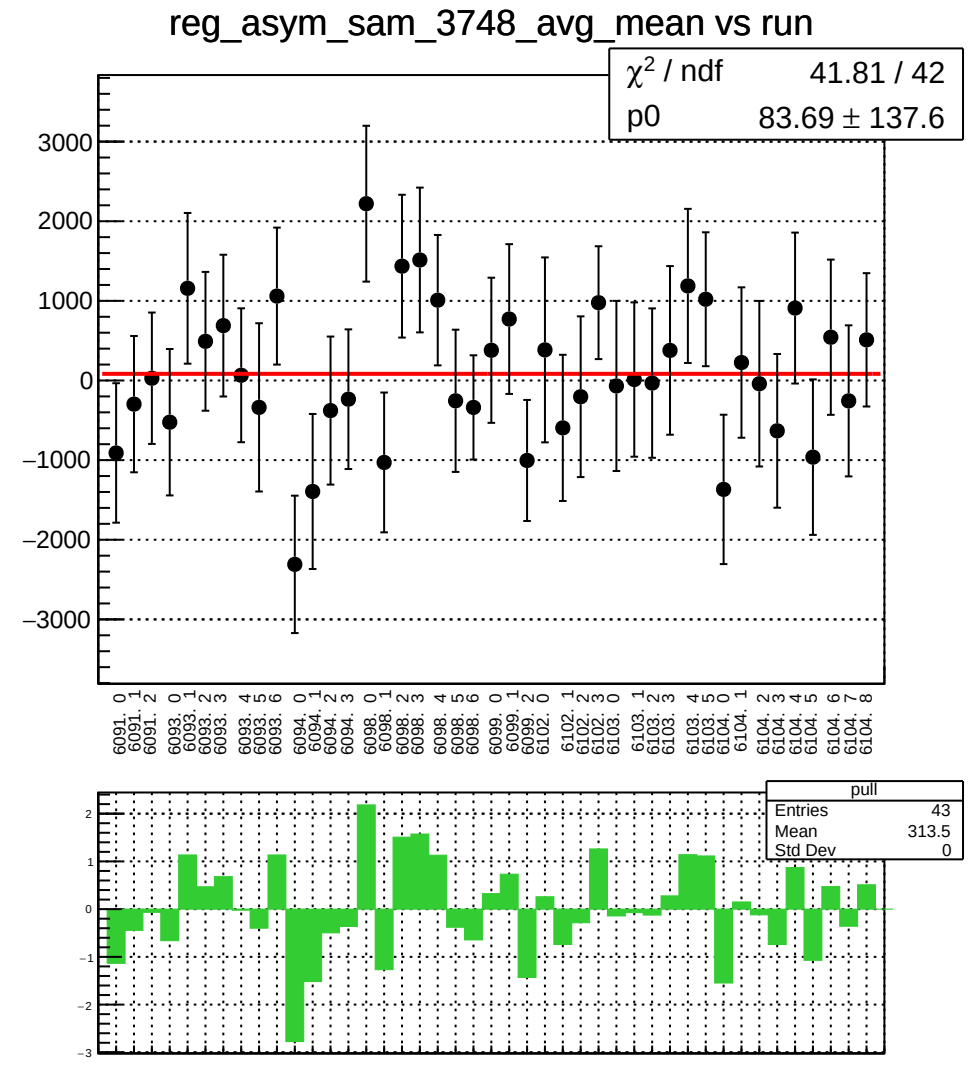

asym_sam_1548_avg_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 50.58 / 42
p0 0.03191 ± 0.04743
1.5
1
0.5
0
−0.5
−1
−1.5
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 134.3
Std Dev 0
2
1
0
−1
−2
pull1D
Entries 43
Mean 0.005981
Std Dev 1.085
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

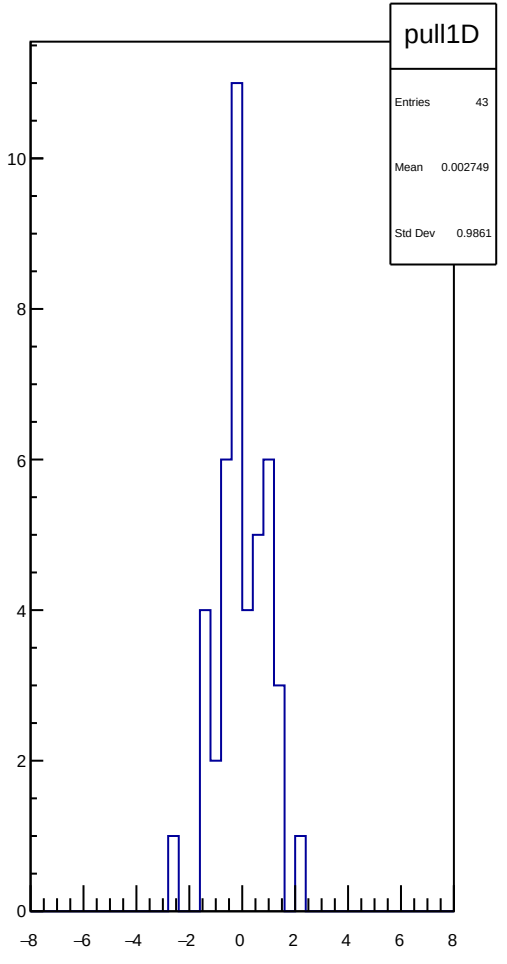

asym_sam_1548_avg_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 2.119e+04 / 42
p0 30.12 ± 0.03354
50
45
40
35
30
25
20
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

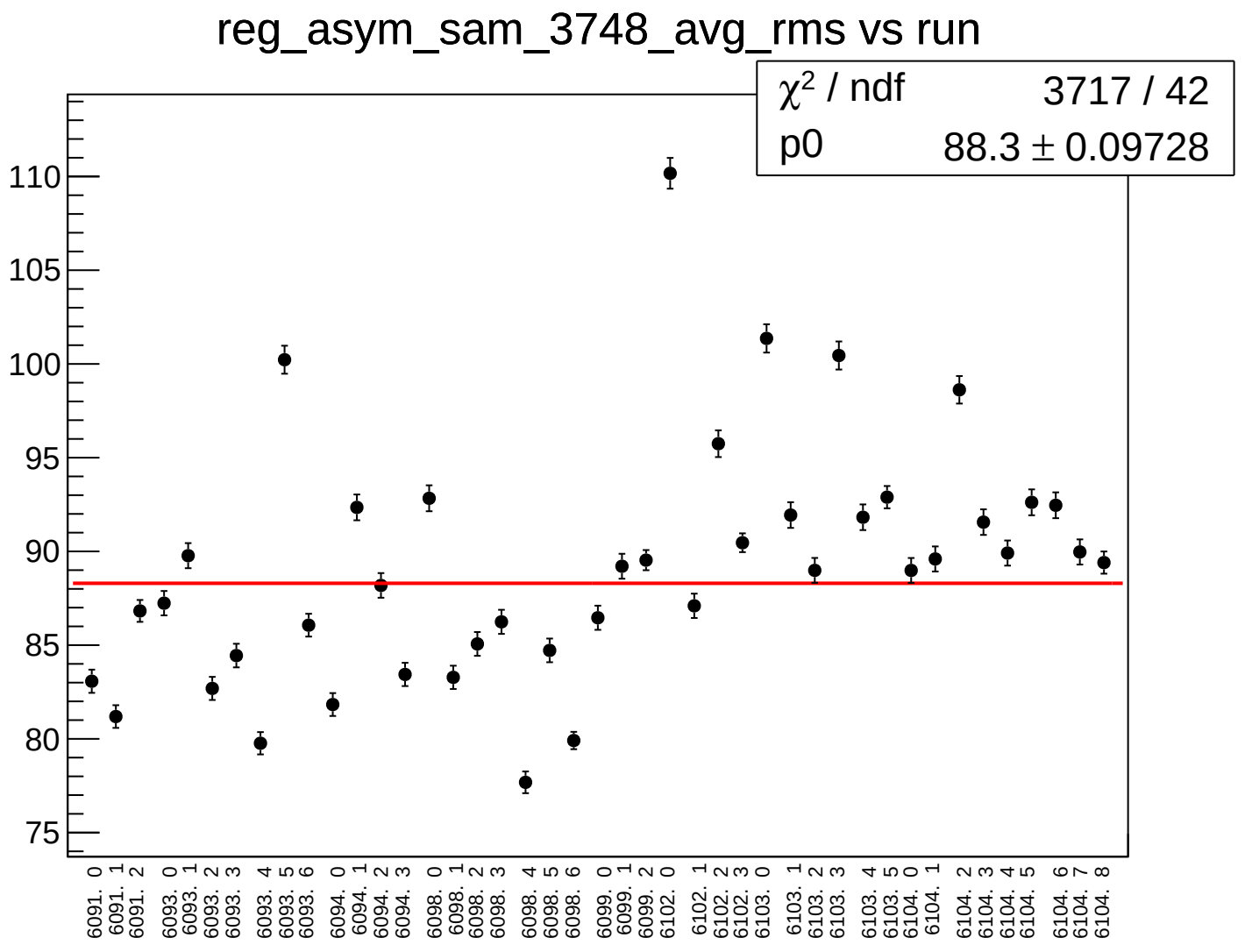

asym_sam_1548_avg_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 59.83 / 42
p0 −6.698e−14 ± 5.58e−14
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 461
Std Dev 0

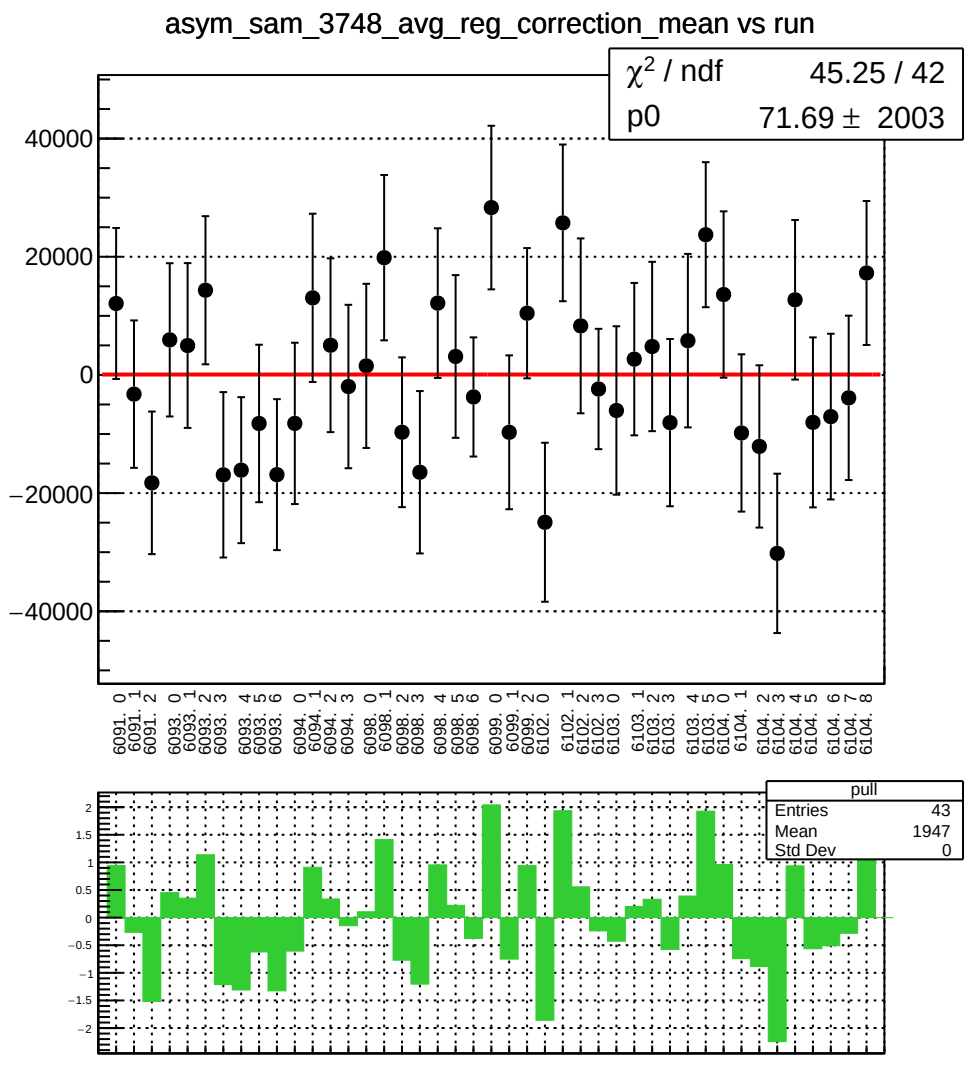

pull1D
Entries 43
Mean 0.01035
Std Dev 1.18

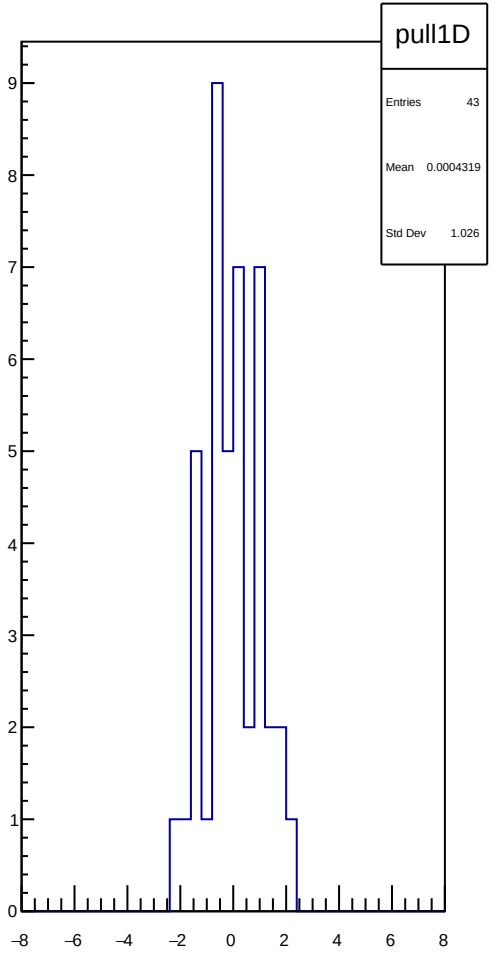

asym_sam_1548_avg_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 1.235e+05 / 42
p0 3.311e−11 ± 3.945e−14
0.1
0.09
0.08
0.07
0.06
0.05
0.04
0.03
0.02
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

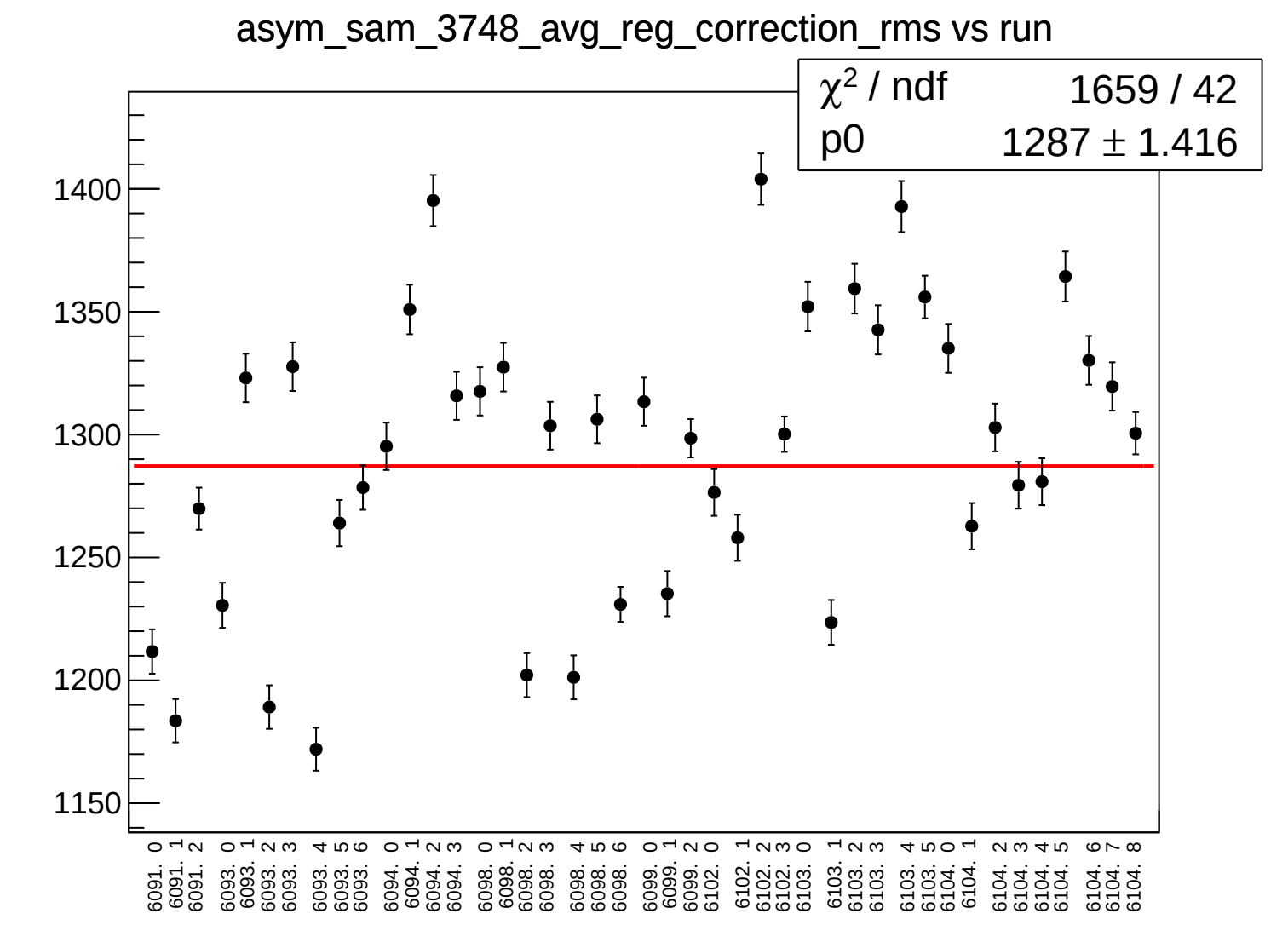

reg_asym_sam_3748_avg_mean vs run
χ² / ndf 41.81 / 42
p0 83.69 ± 137.6
3000
2000
1000
0
−1000
−2000
−3000
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 313.5
Std Dev 0
2
1
0
−1
−2
−3

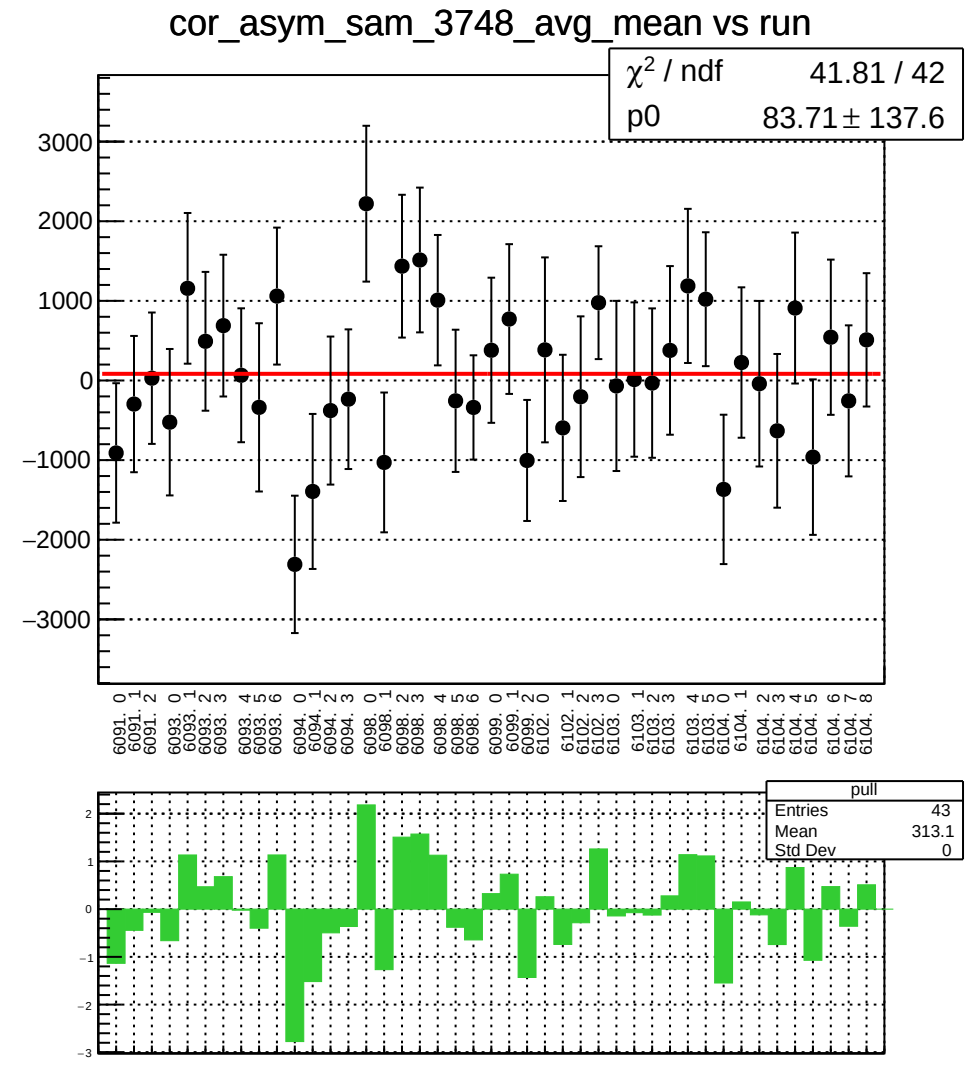

pull1D
Entries 43
Mean 0.002749
Std Dev 0.9861
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

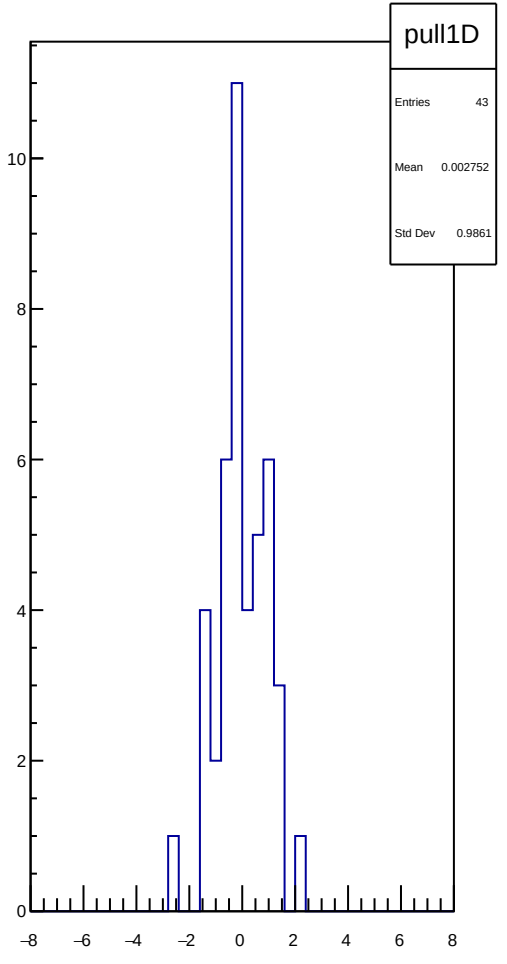

reg_asym_sam_3748_avg_rms vs run
χ² / ndf 3717 / 42
p0 88.3 ± 0.09728
110
105
100
95
90
85
80
75
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

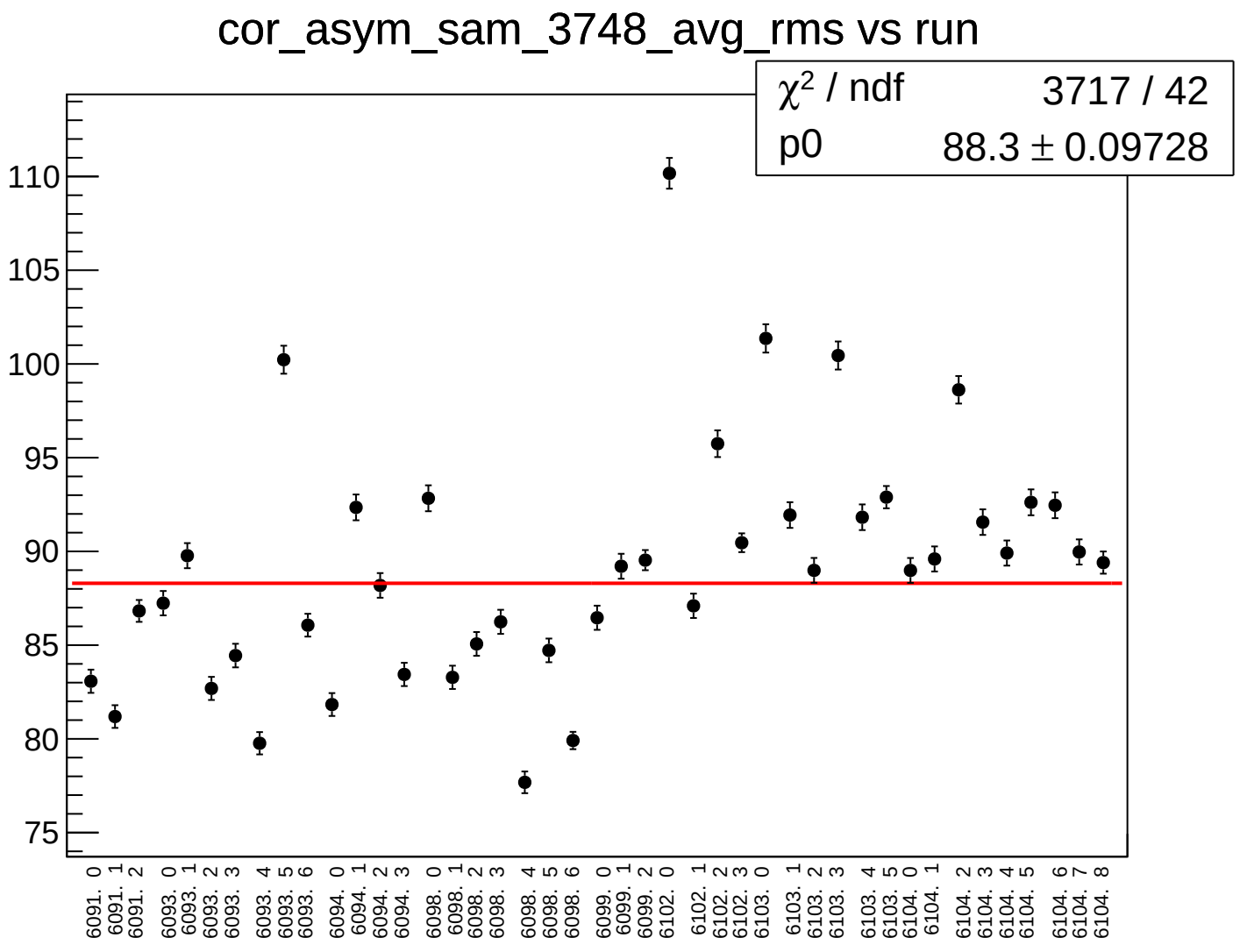

asym_sam_3748_avg_reg_correction_mean vs run
χ² / ndf 45.25 / 42
p0 71.69 ± 2003
40000
20000
0
−20000
−40000
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 1947
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

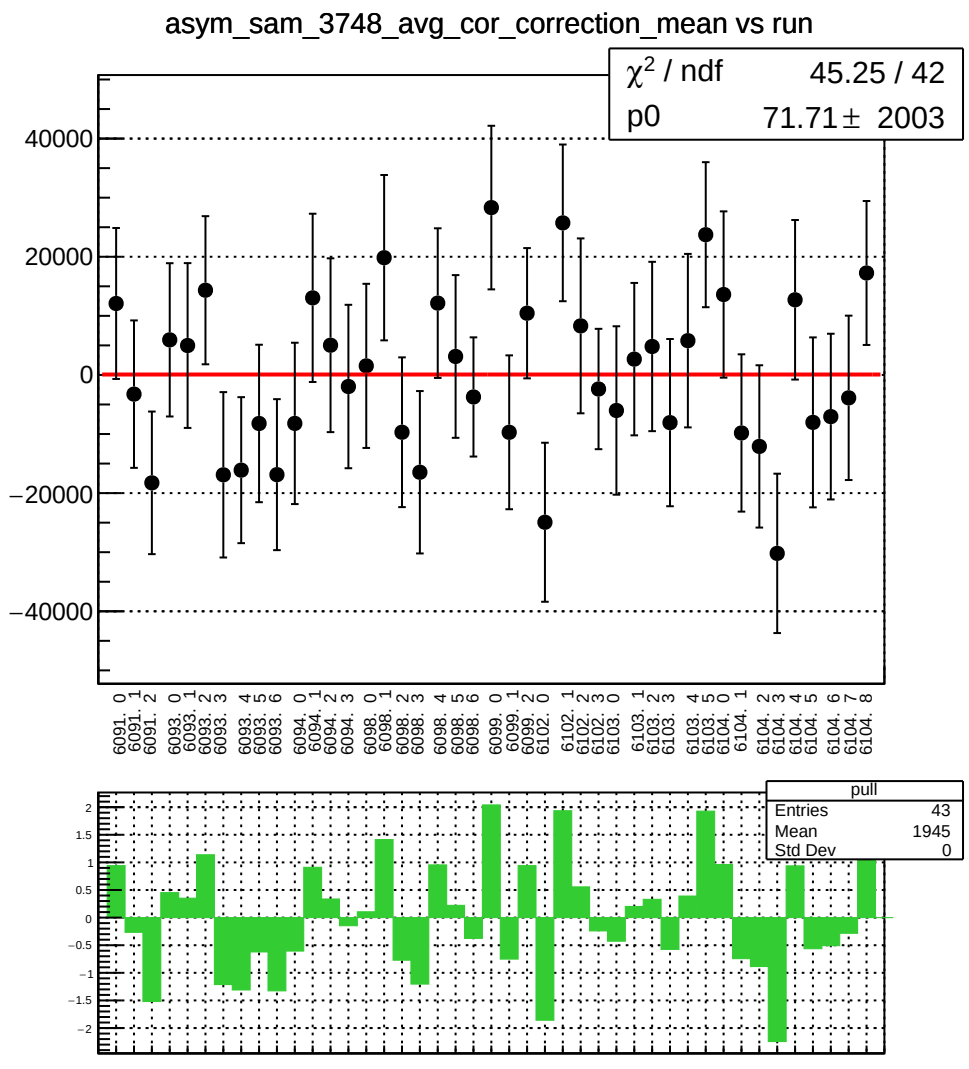

pull1D
Entries 43
Mean 0.0004319
Std Dev 1.026
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

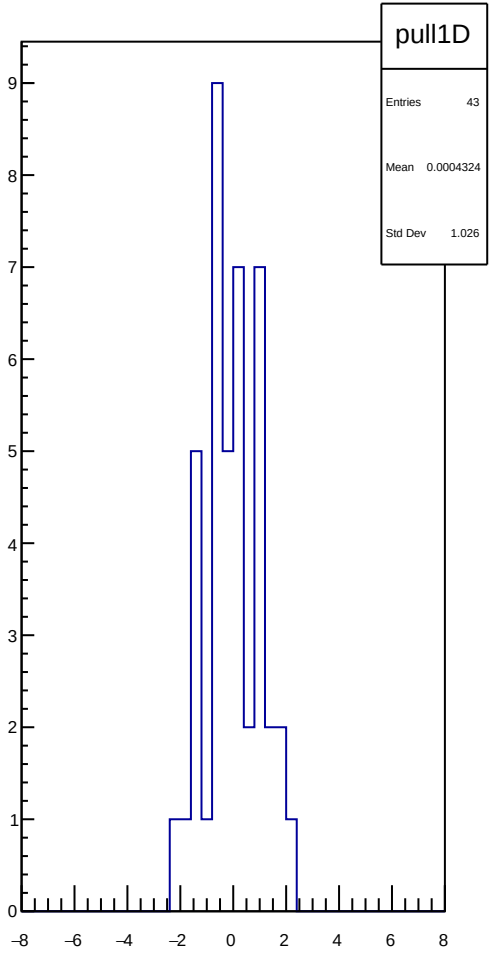

asym_sam_3748_avg_reg_correction_rms vs run
χ² / ndf 1659 / 42
p0 1287 ± 1.416
1400
1350
1300
1250
1200
1150
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

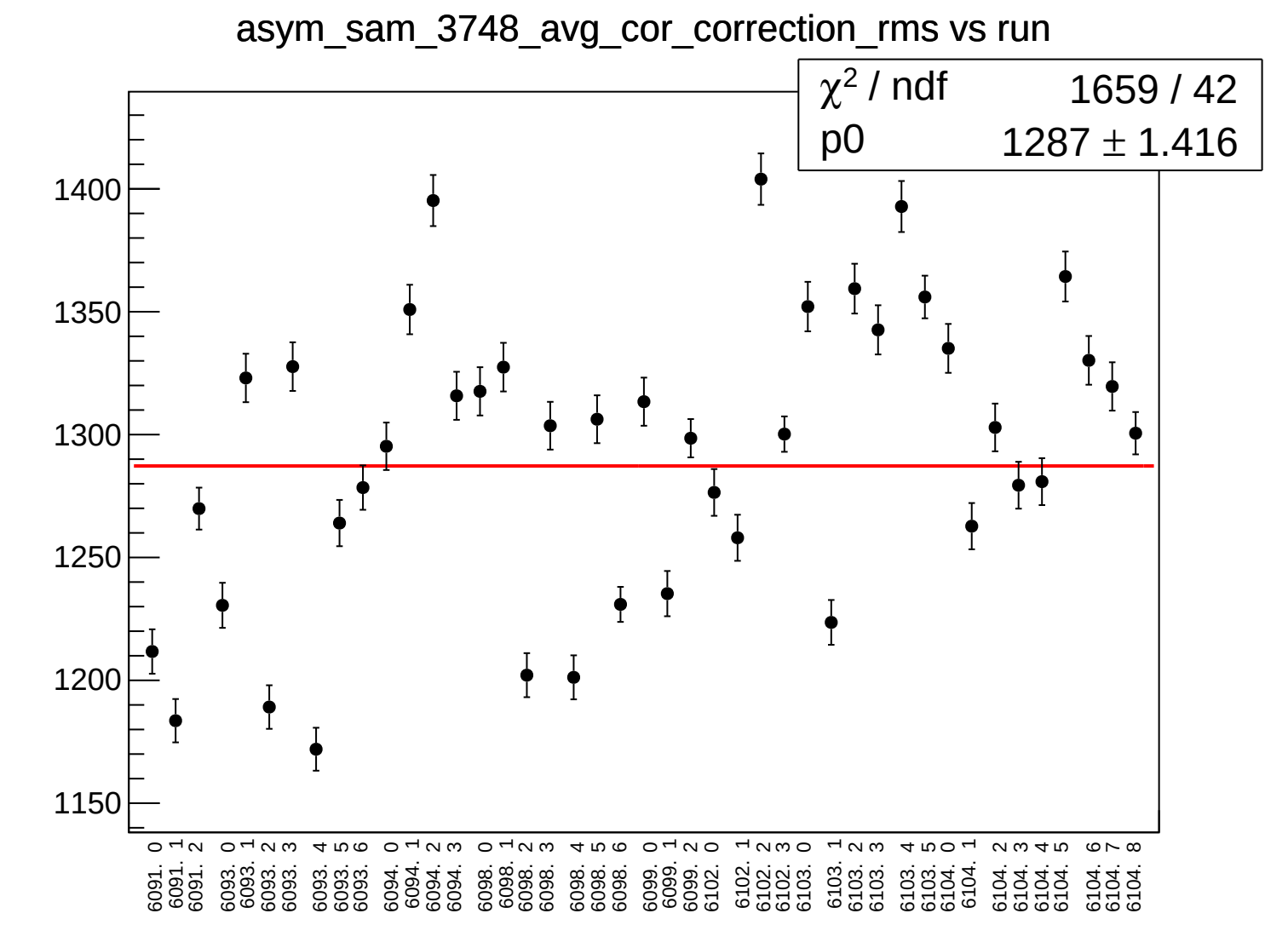

cor_asym_sam_3748_avg_mean vs run
χ² / ndf 41.81 / 42
p0 83.71 ± 137.6
3000
2000
1000
0
−1000
−2000
−3000
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 313.1
Std Dev 0
2
1
0
−1
−2
−3

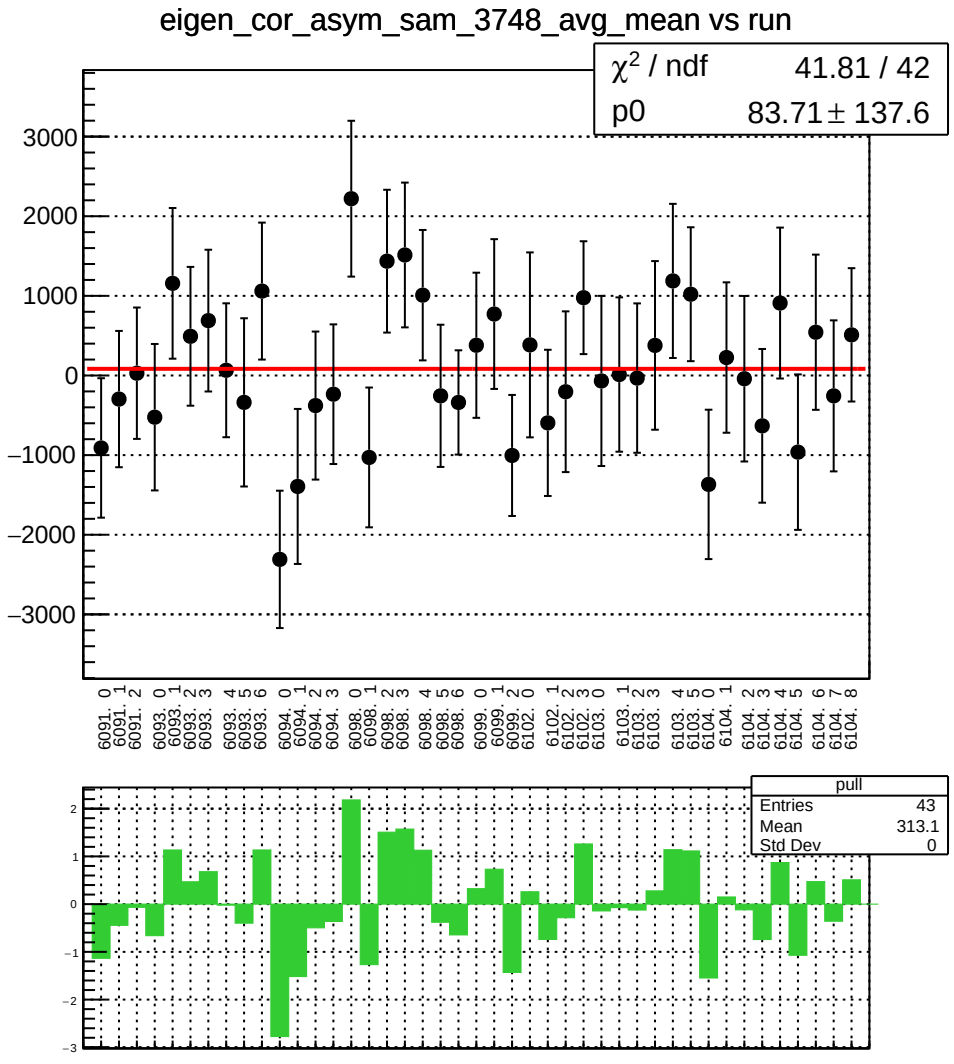

pull1D
Entries 43
Mean 0.002752
Std Dev 0.9861
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

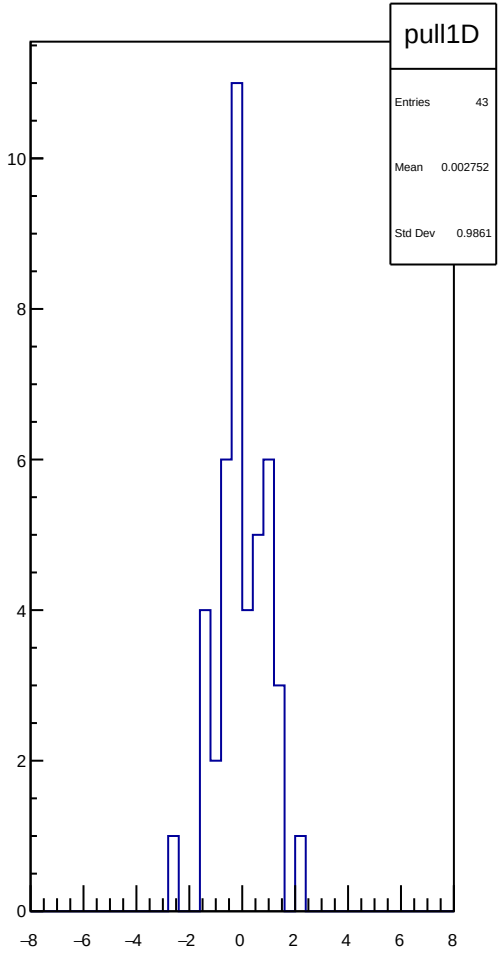

cor_asym_sam_3748_avg_rms vs run
χ² / ndf 3717 / 42
p0 88.3 ± 0.09728
110
105
100
95
90
85
80
75
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

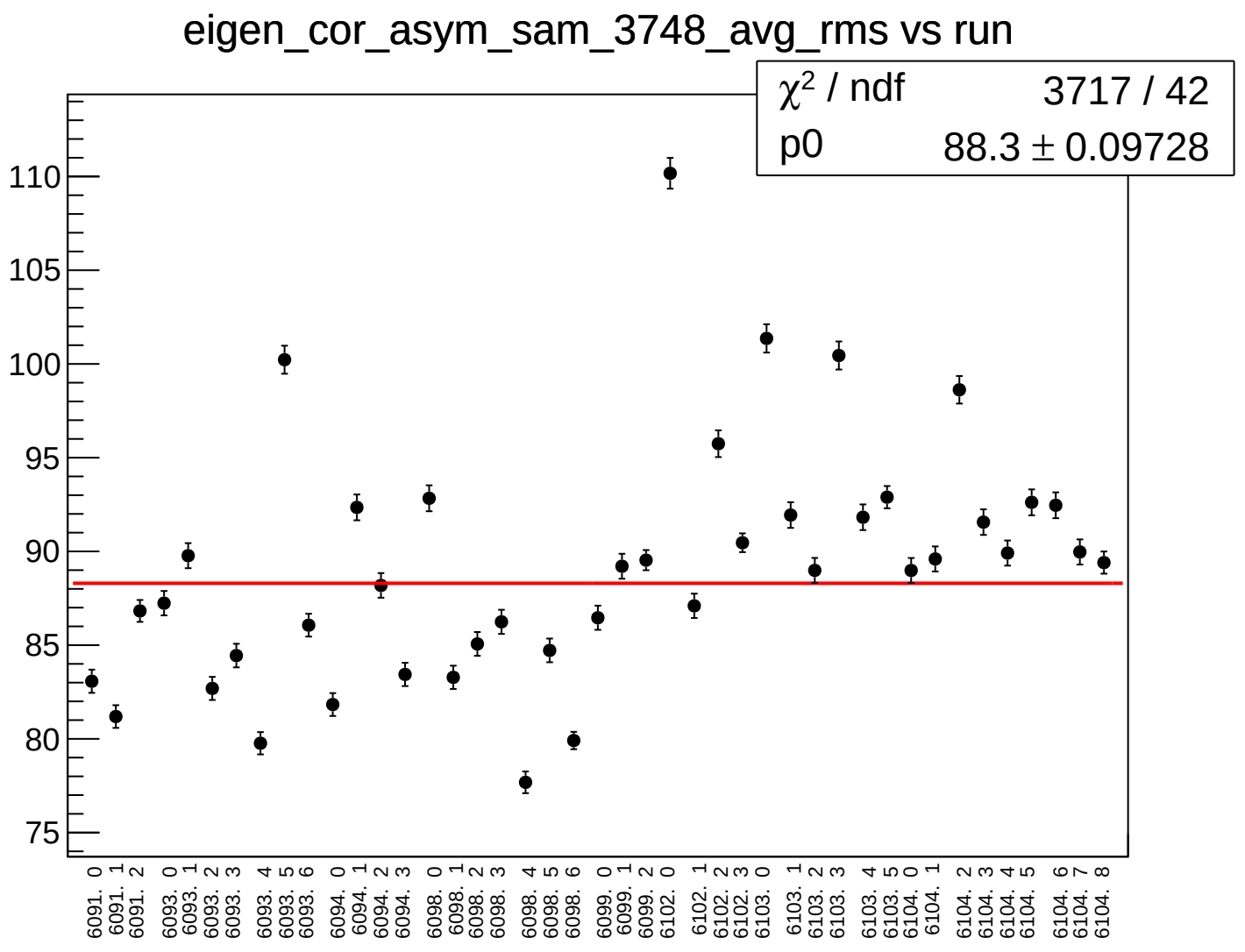

asym_sam_3748_avg_cor_correction_mean vs run
χ² / ndf 45.25 / 42
p0 71.71 ± 2003
40000
20000
0
−20000
−40000
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 1945
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

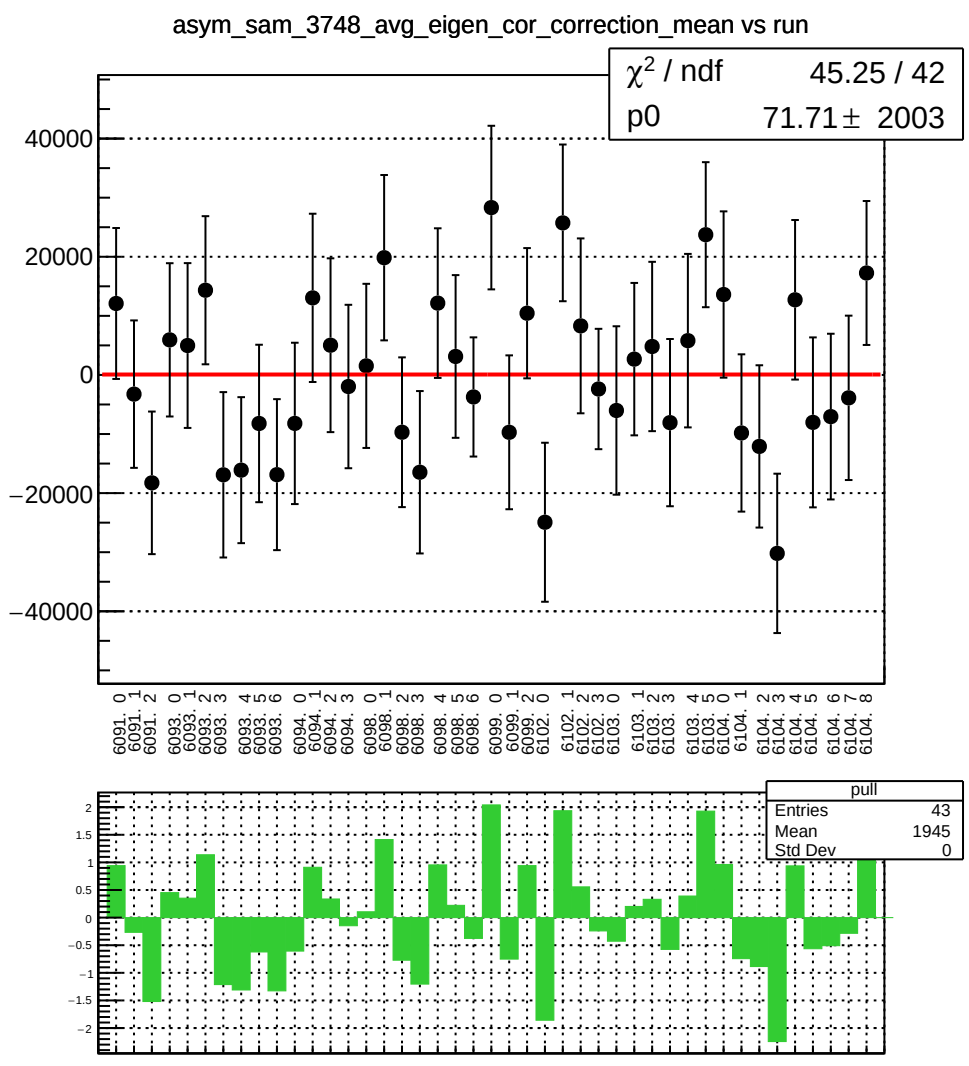

pull1D
Entries 43
Mean 0.0004324
Std Dev 1.026
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

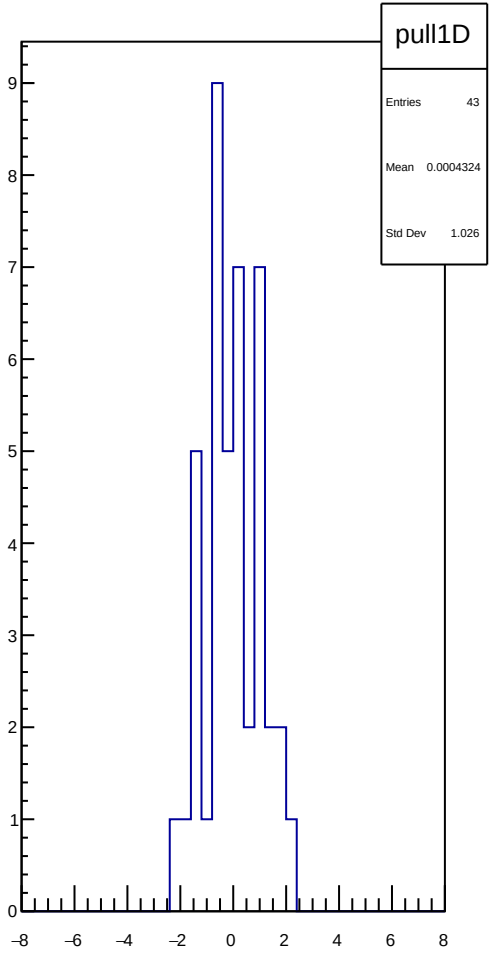

asym_sam_3748_avg_cor_correction_rms vs run
χ² / ndf 1659 / 42
p0 1287 ± 1.416
1400
1350
1300
1250
1200
1150
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8


eigen_cor_asym_sam_3748_avg_mean vs run
χ^2 / ndf 41.81 / 42
p0 83.71 ± 137.6
3000
2000
1000
0
−1000
−2000
−3000
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 313.1
Std Dev 0
2
1
0
−1
−2
−3


pull1D
Entries 43
Mean 0.002752
Std Dev 0.9861
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


eigen_cor_asym_sam_3748_avg_rms vs run
χ² / ndf 3717 / 42
p0 88.3 ± 0.09728
110
105
100
95
90
85
80
75
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8


asym_sam_3748_avg_eigen_cor_correction_mean vs run
χ² / ndf 45.25 / 42
p0 71.71 ± 2003
40000
20000
0
−20000
−40000
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 1945
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2


pull1D
Entries 43
Mean 0.0004324
Std Dev 1.026
9
8
7
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5
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2
1
0
−8
−6
−4
−2
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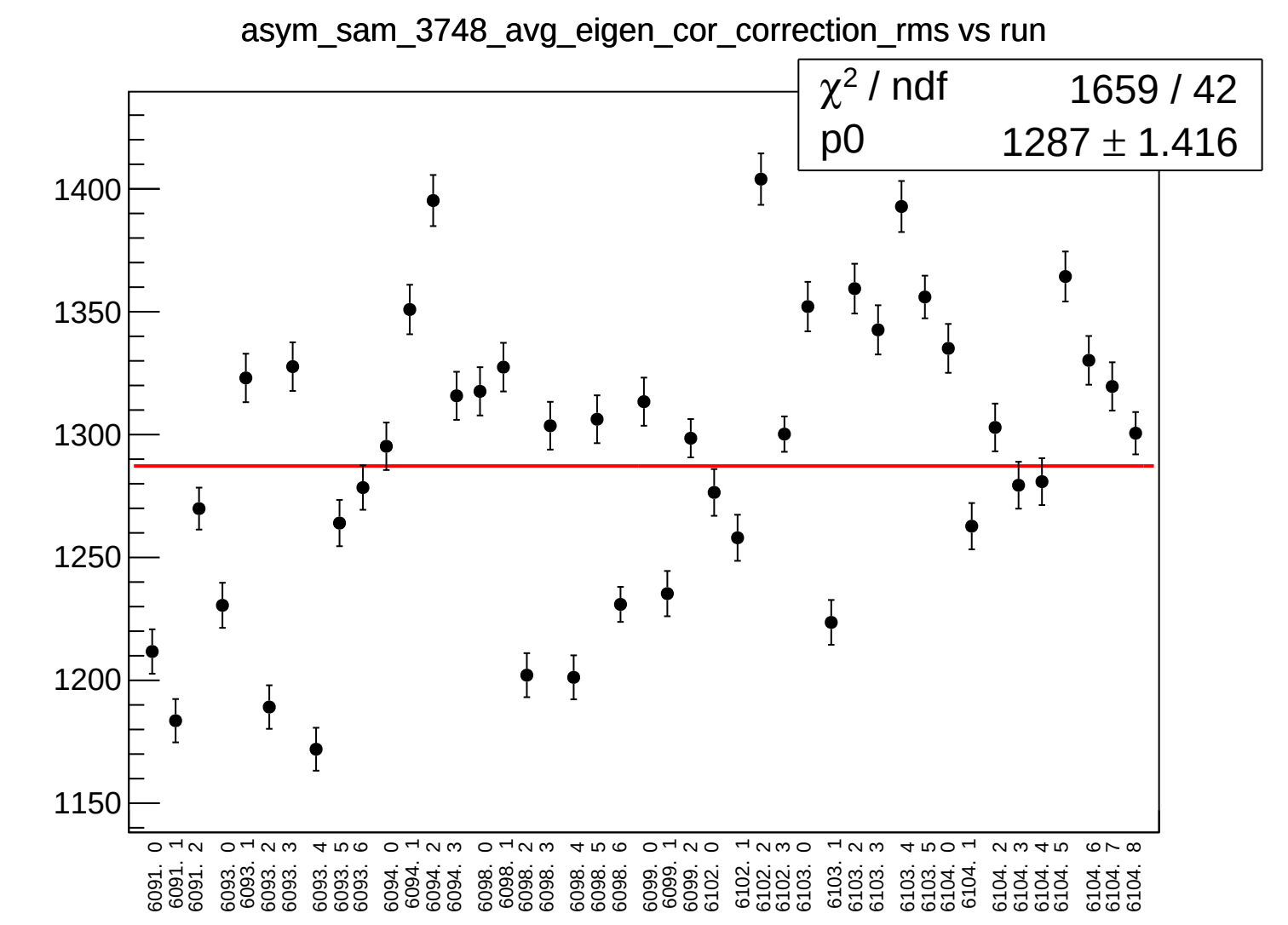
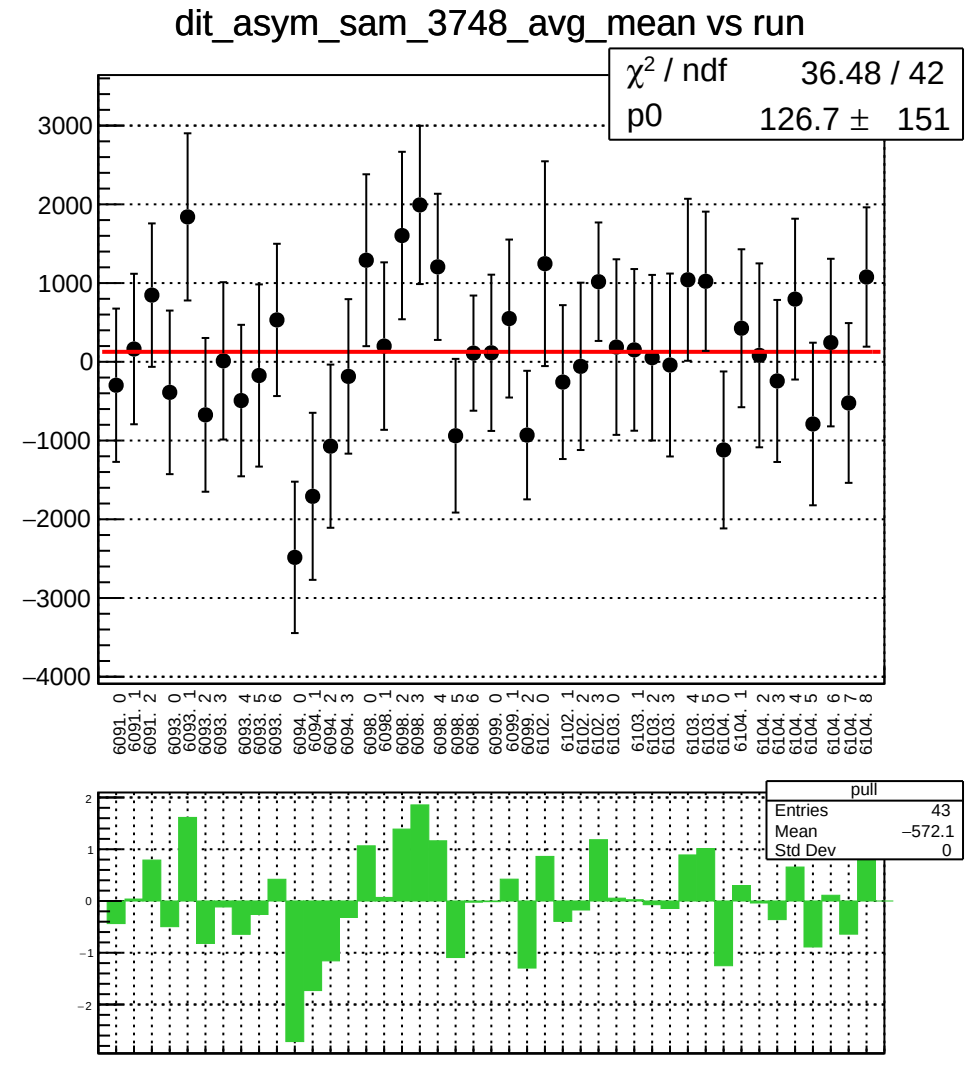
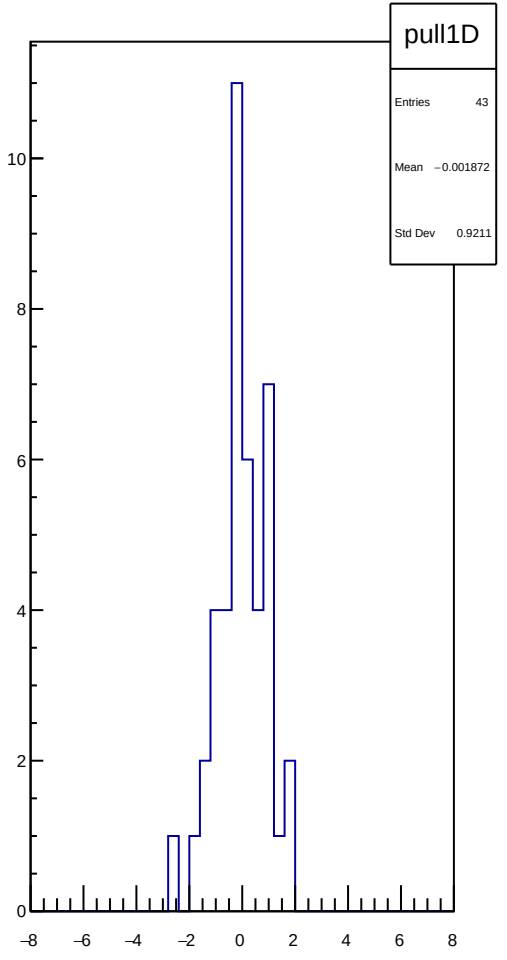
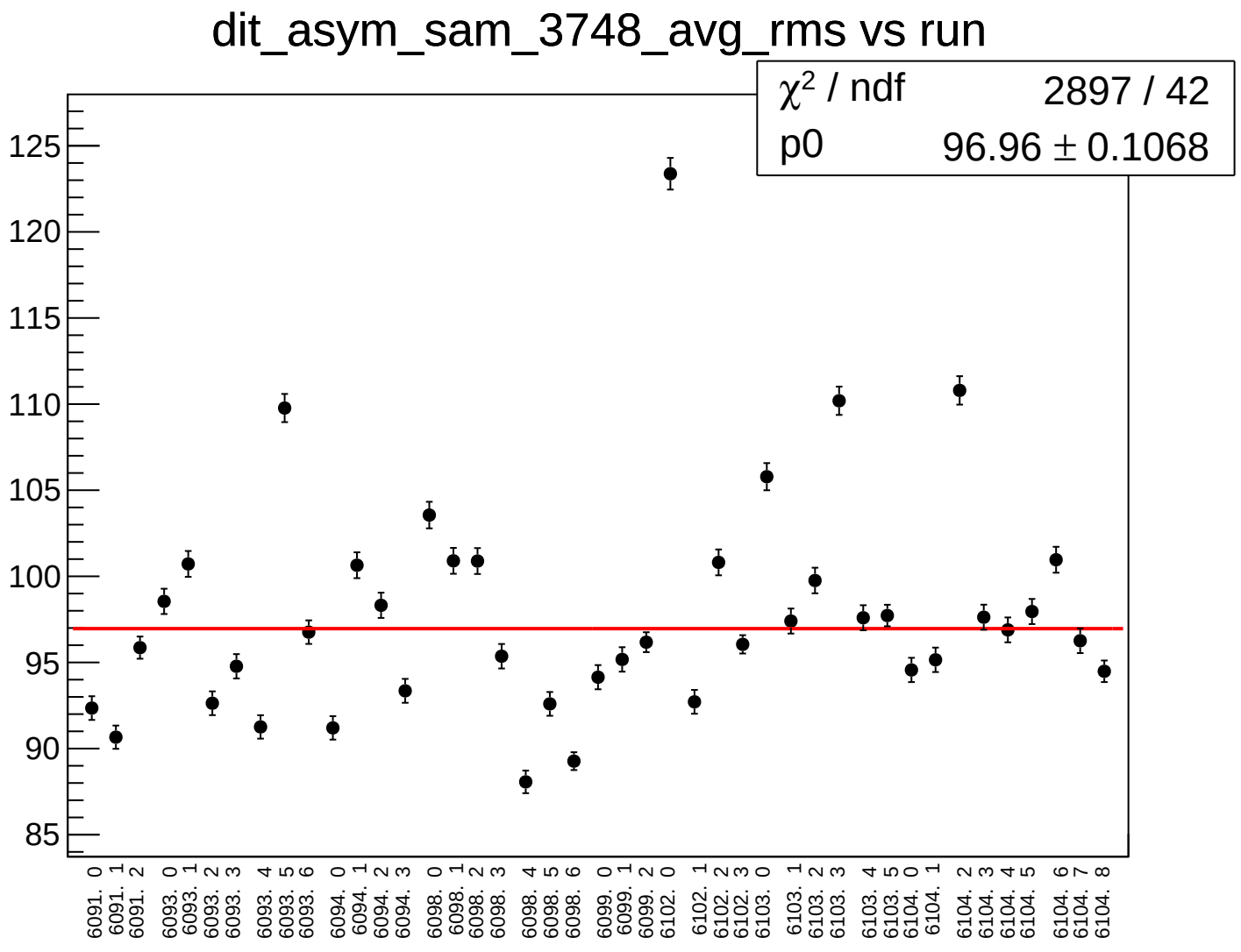
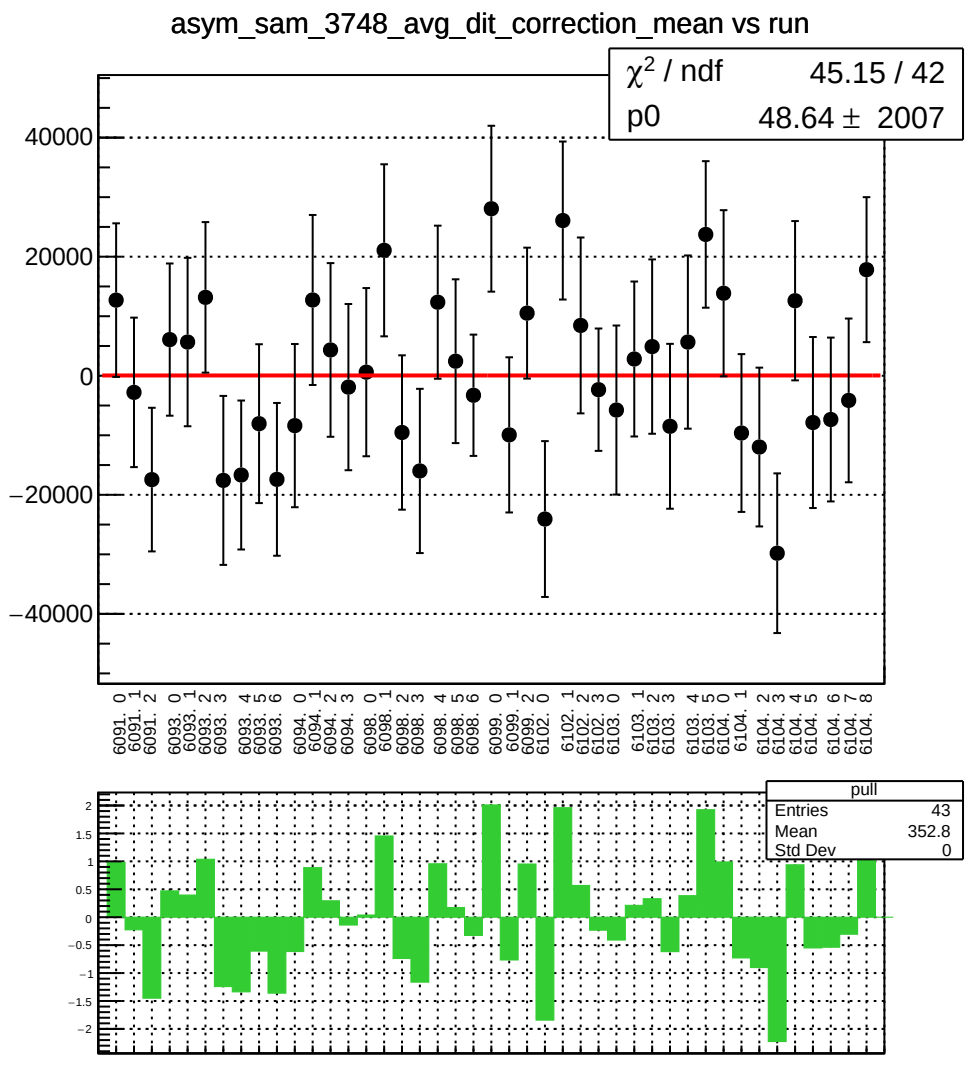
2
4
6
8

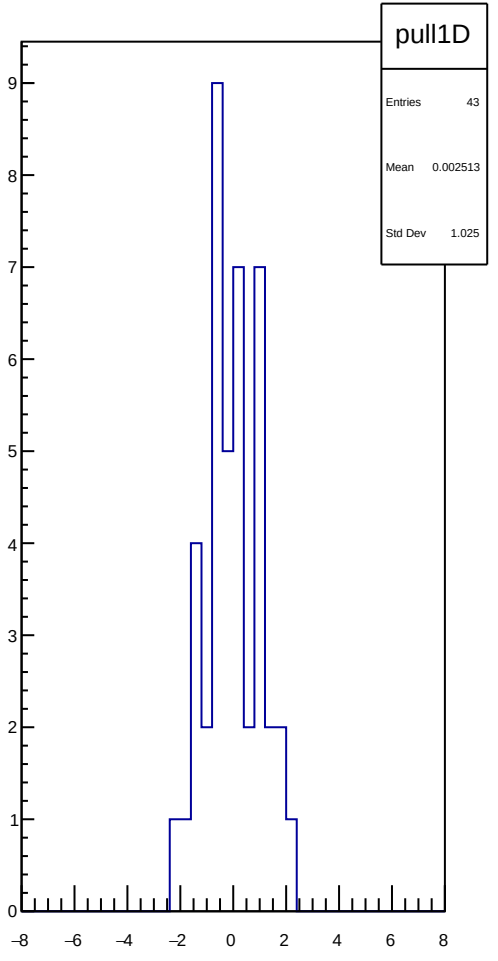

asym_sam_3748_avg_eigen_cor_correction_rms vs run
χ² / ndf 1659 / 42
p0 1287 ± 1.416
1400
1350
1300
1250
1200
1150
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

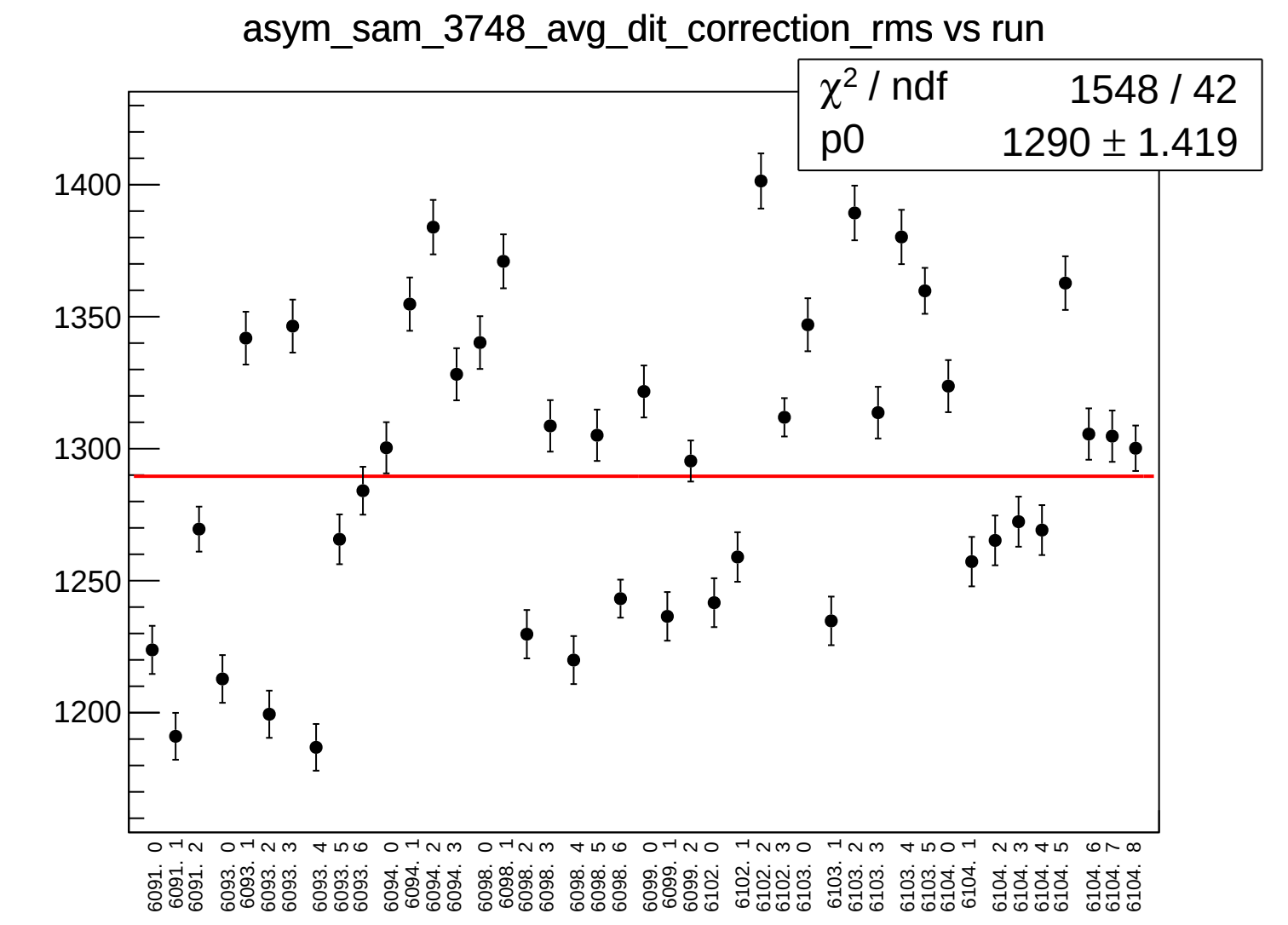

dit_asym_sam_3748_avg_mean vs run
χ² / ndf 36.48 / 42
p0 126.7 ± 151
3000
2000
1000
0
−1000
−2000
−3000
−4000
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean −572.1
Std Dev 0
2
1
0
−1
−2

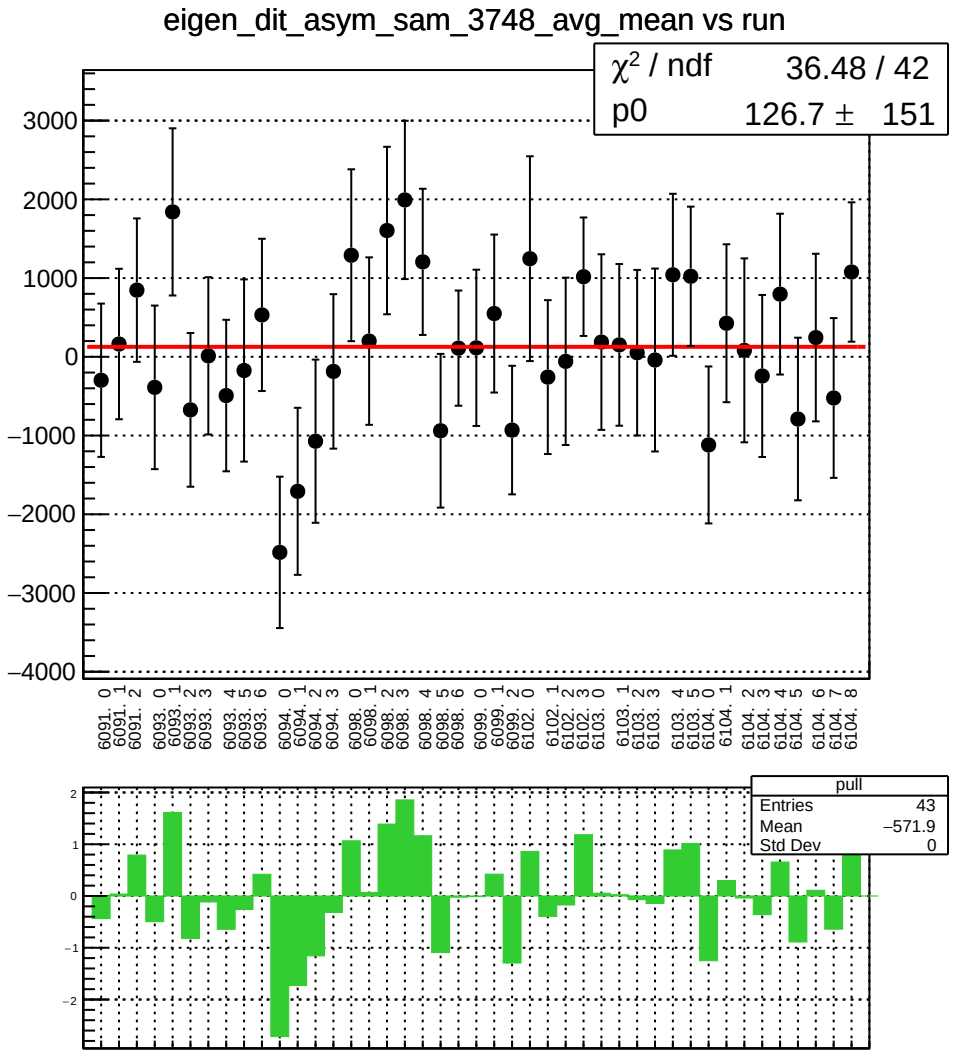

pull1D
Entries 43
Mean −0.001872
Std Dev 0.9211
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

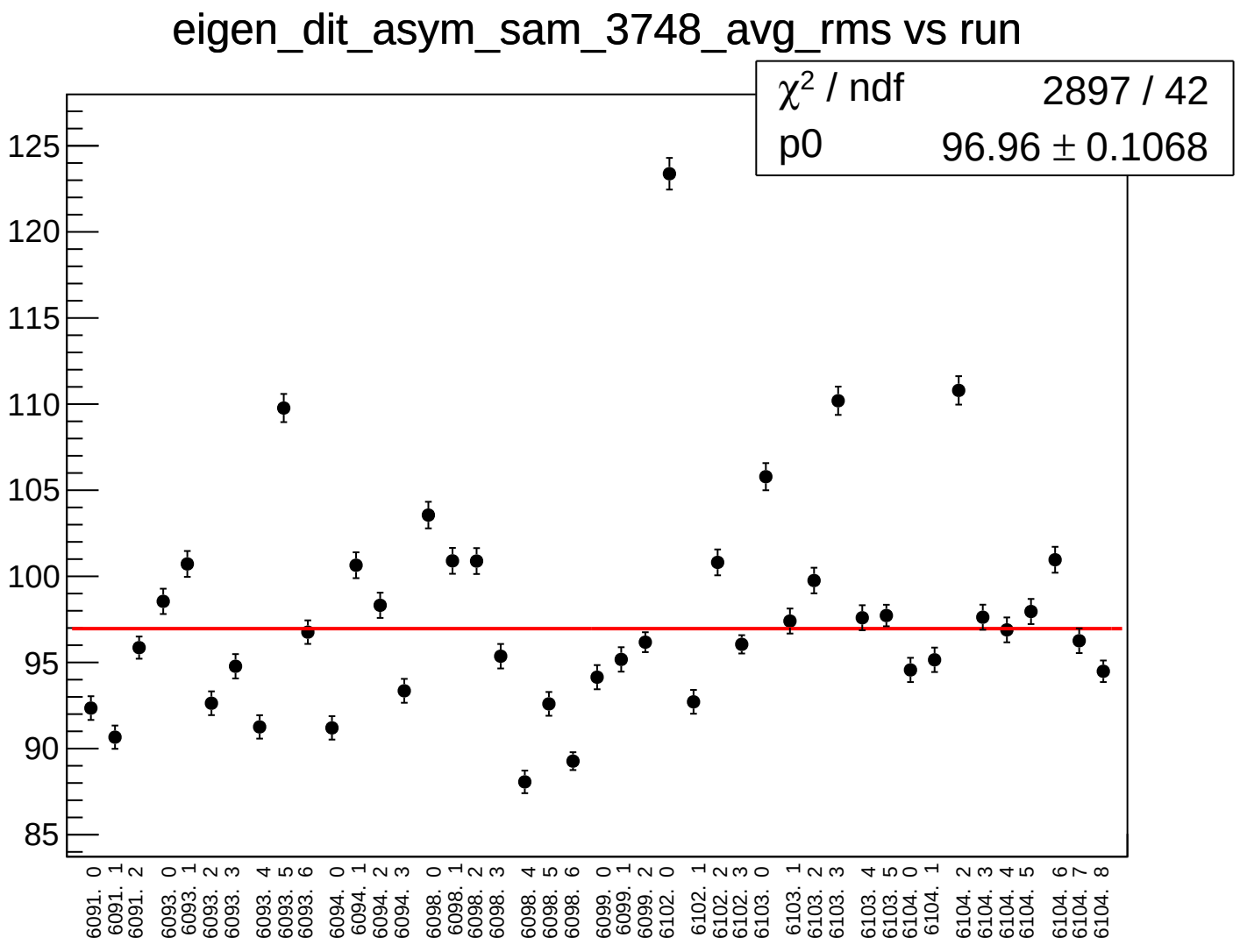

dit_asym_sam_3748_avg_rms vs run
χ² / ndf 2897 / 42
p0 96.96 ± 0.1068
125
120
115
110
105
100
95
90
85
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

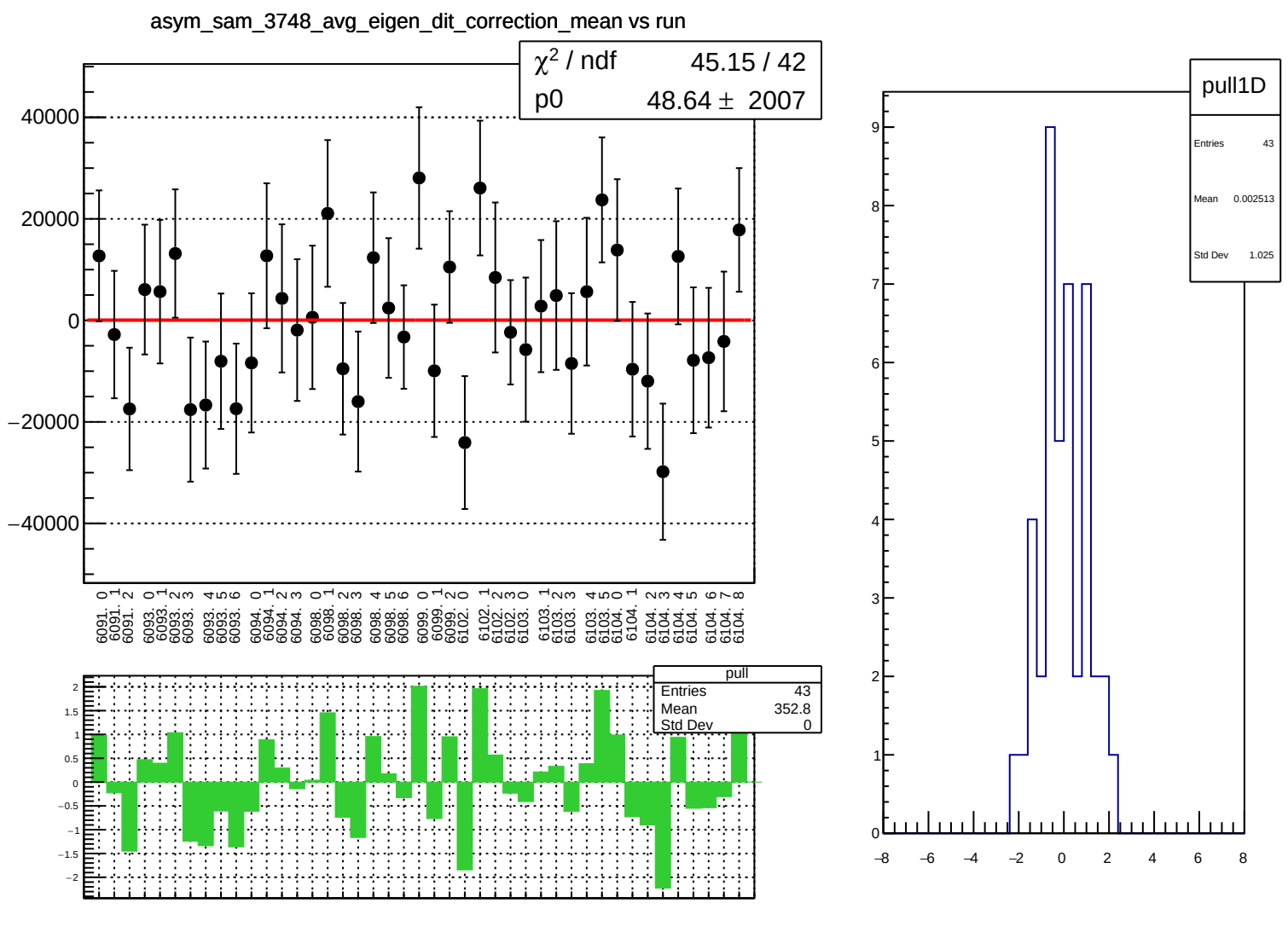

asym_sam_3748_avg_dit_correction_mean vs run
χ² / ndf 45.15 / 42
p0 48.64 ± 2007
40000
20000
0
−20000
−40000
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 352.8
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

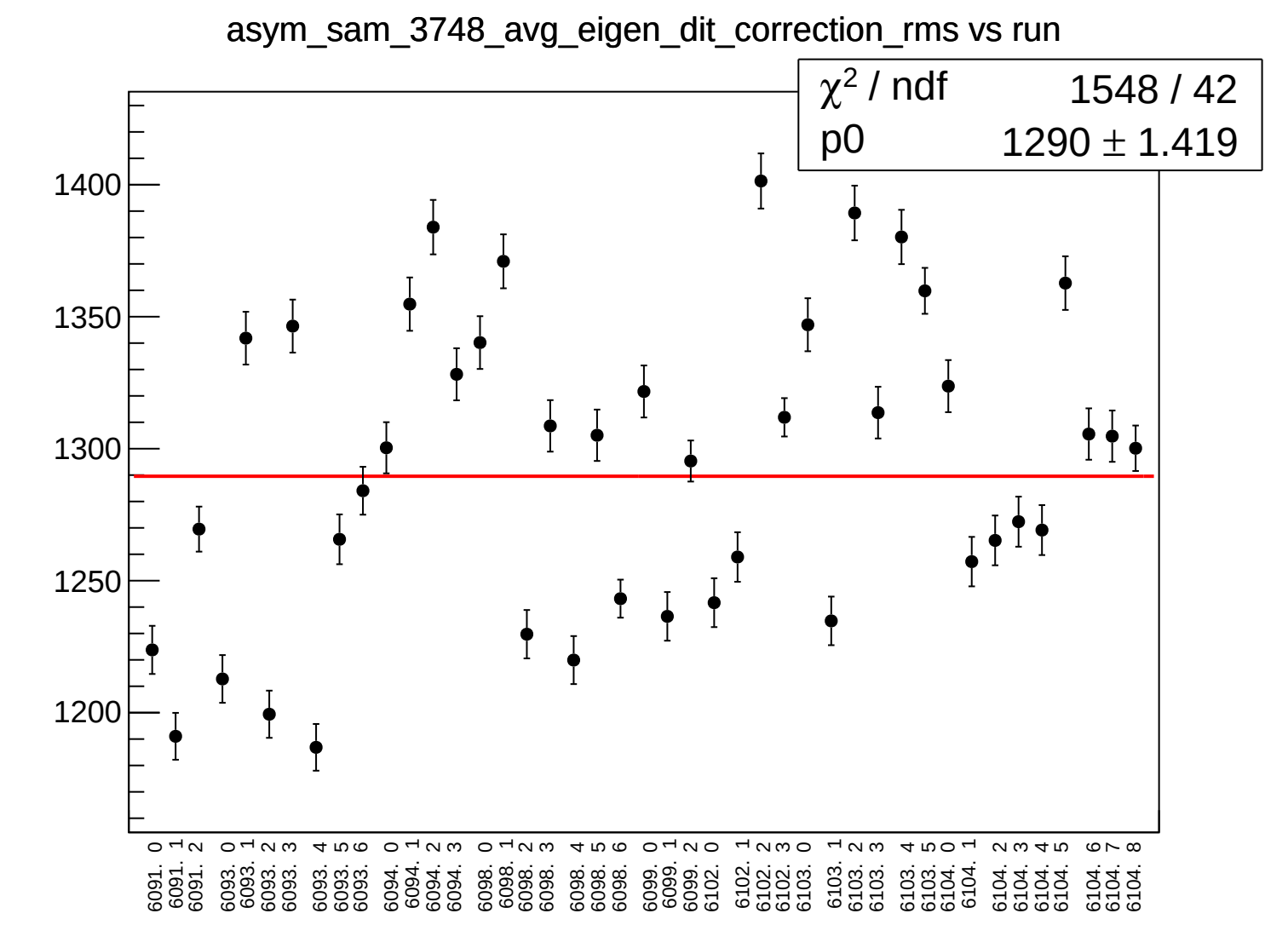

pull1D
Entries 43
Mean 0.002513
Std Dev 1.025
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

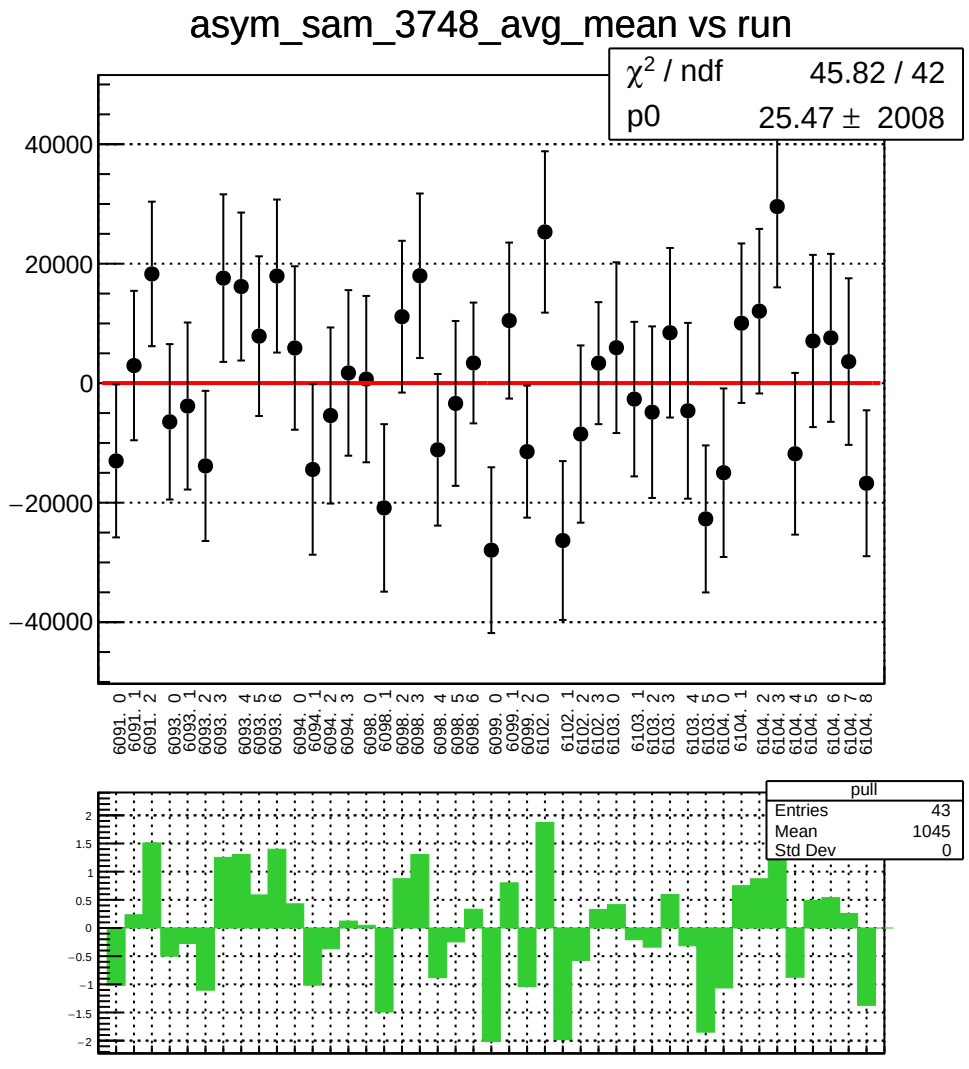

asym_sam_3748_avg_dit_correction_rms vs run
χ² / ndf 1548 / 42
p0 1290 ± 1.419
1400
1350
1300
1250
1200
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

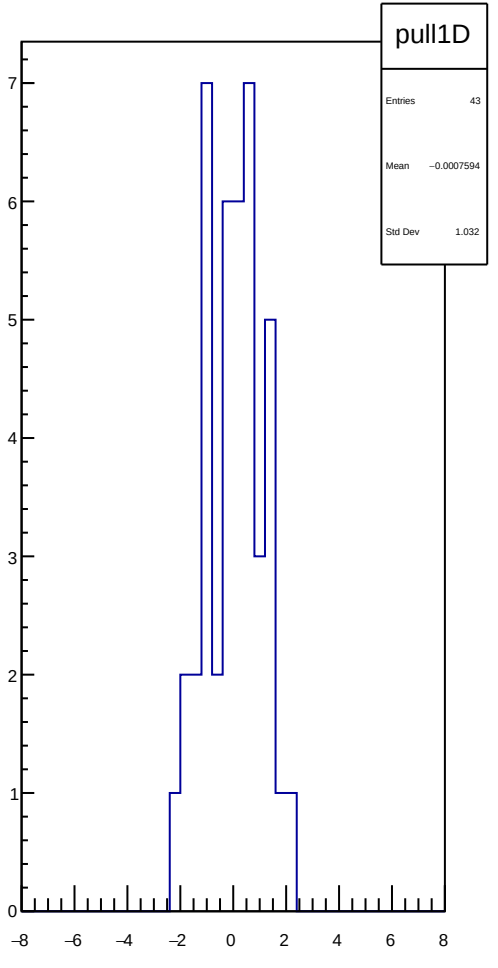

eigen_dit_asym_sam_3748_avg_mean vs run
χ² / ndf 36.48 / 42
p0 126.7 ± 151
3000
2000
1000
0
−1000
−2000
−3000
−4000
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean −571.9
Std Dev 0
2
1
0
−1
−2
pull1D
Entries 43
Mean −0.001872
Std Dev 0.9211
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

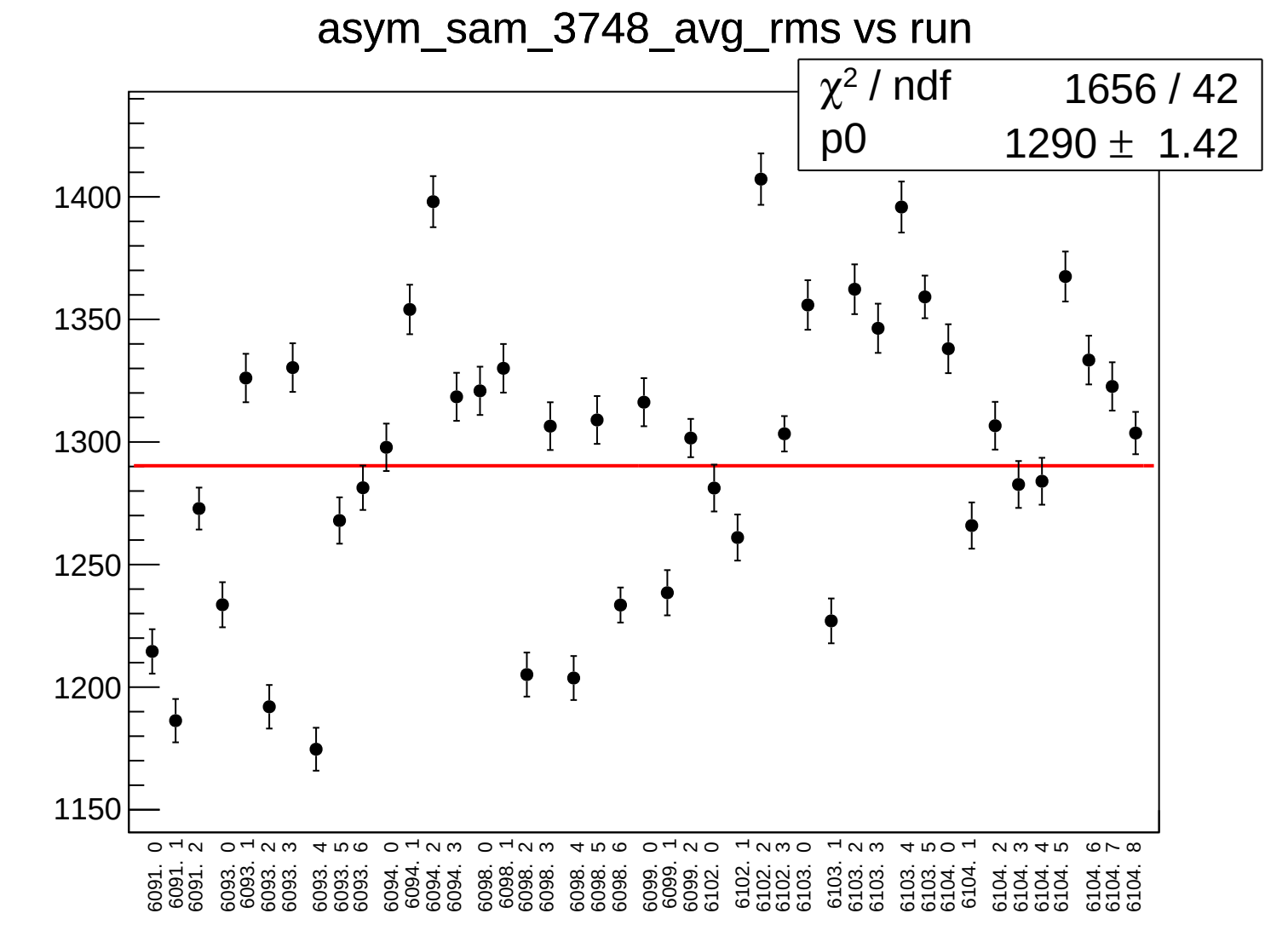

eigen_dit_asym_sam_3748_avg_rms vs run
χ² / ndf 2897 / 42
p0 96.96 ± 0.1068
125
120
115
110
105
100
95
90
85
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

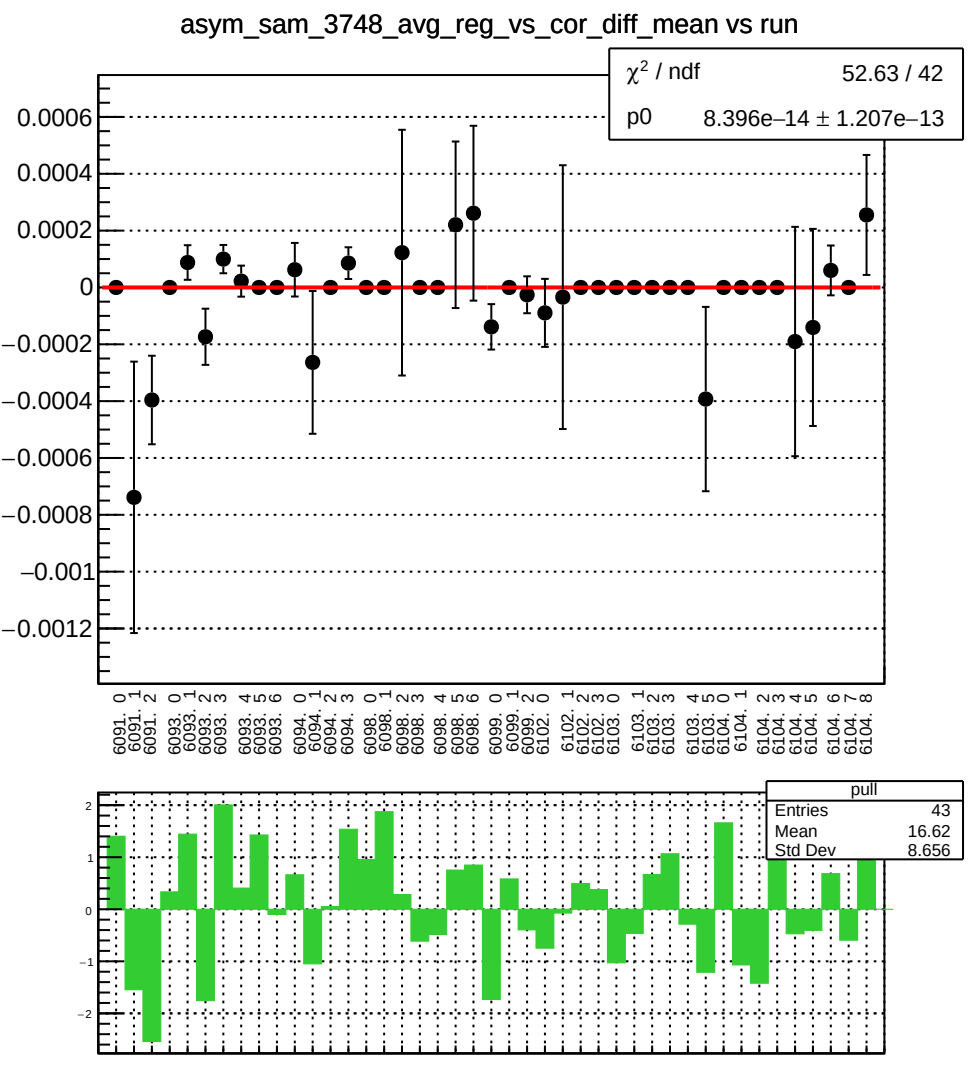

asym_sam_3748_avg_eigen_dit_correction_mean vs run
χ² / ndf 45.15 / 42
p0 48.64 ± 2007
40000
20000
0
−20000
−40000
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 352.8
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 43
Mean 0.002513
Std Dev 1.025
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

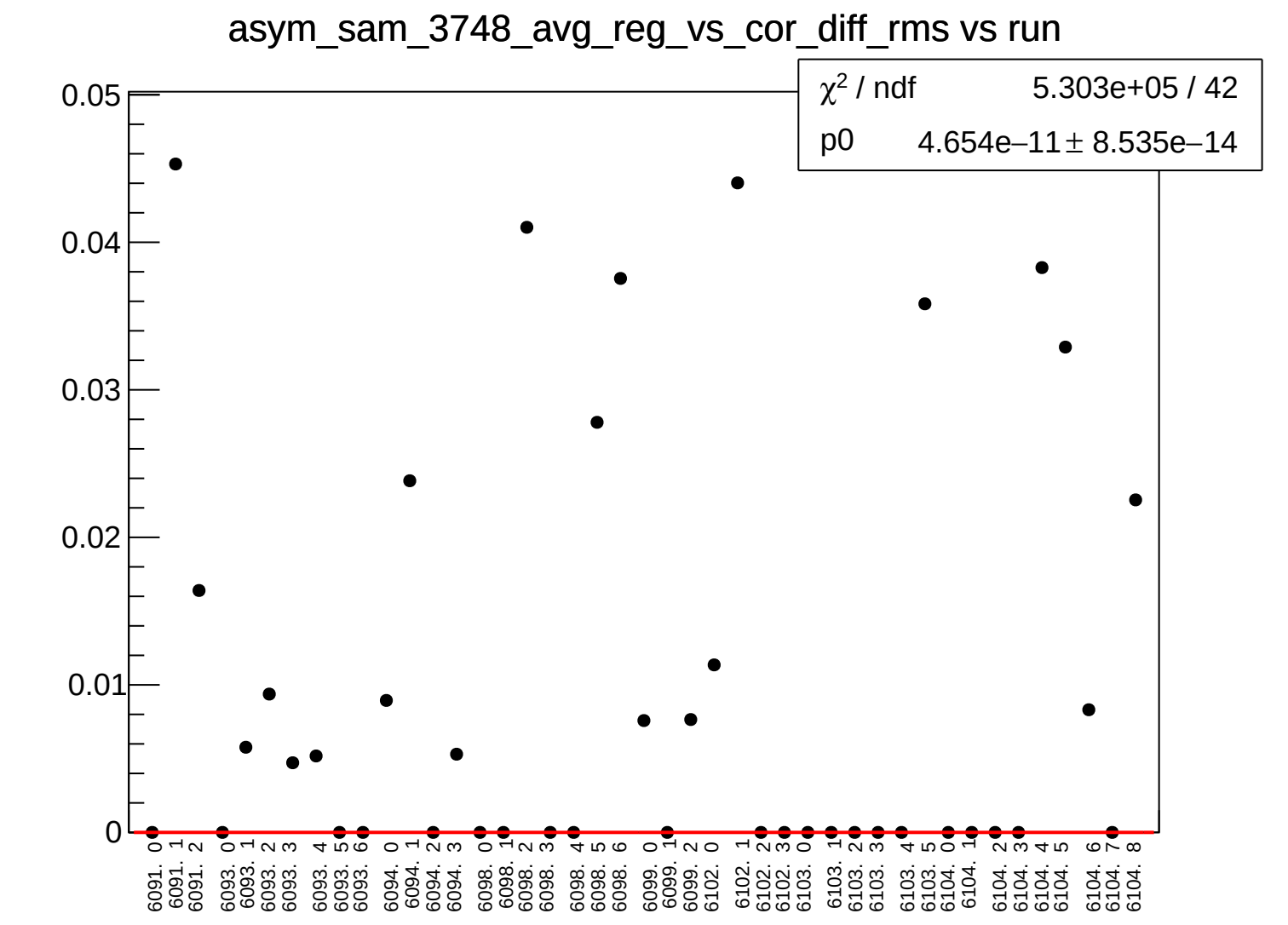

asym_sam_3748_avg_eigen_dit_correction_rms vs run
χ² / ndf 1548 / 42
p0 1290 ± 1.419
1400
1350
1300
1250
1200
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

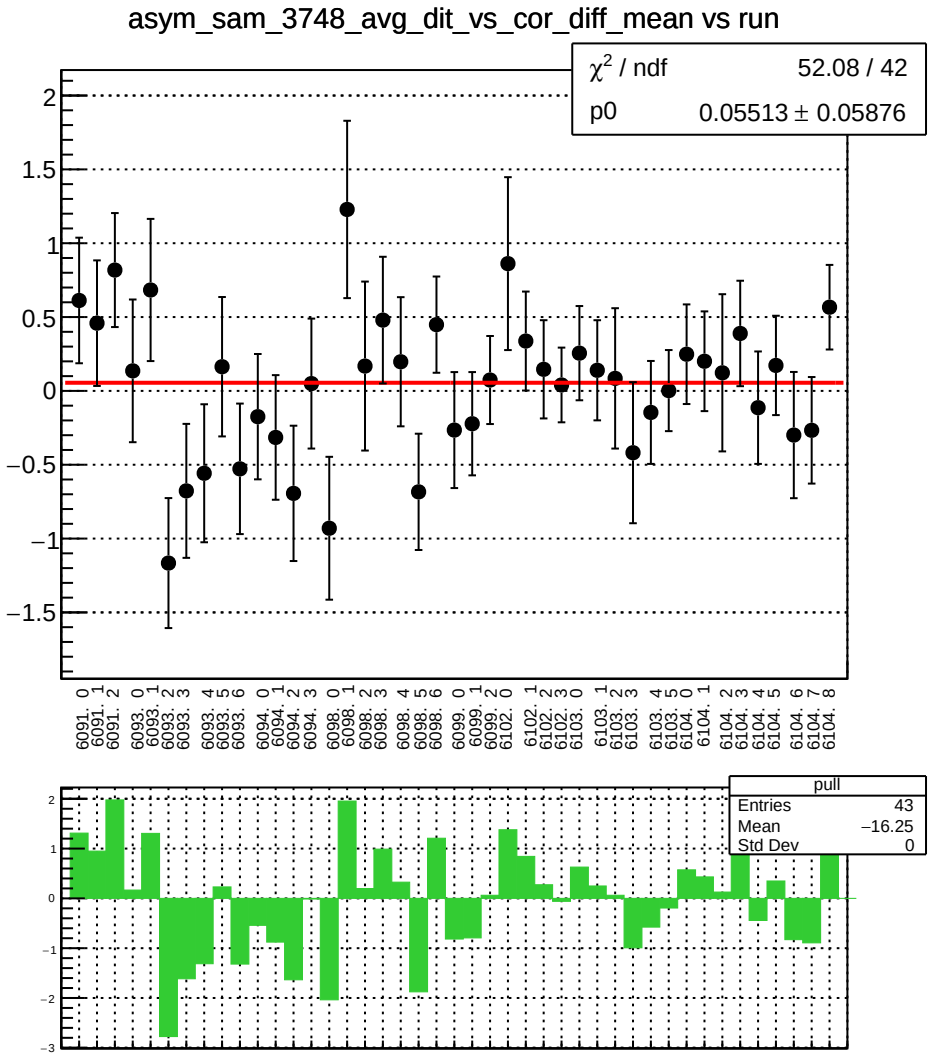

asym_sam_3748_avg_mean vs run
χ^2 / ndf 45.82 / 42
p0 25.47 ± 2008
40000
20000
0
−20000
−40000
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 1045
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

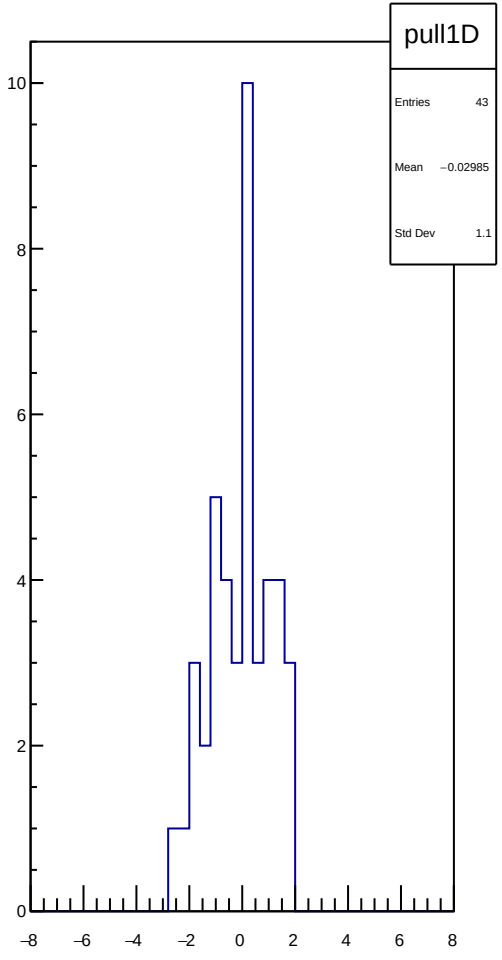

pull1D
Entries 43
Mean −0.0007594
Std Dev 1.032
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

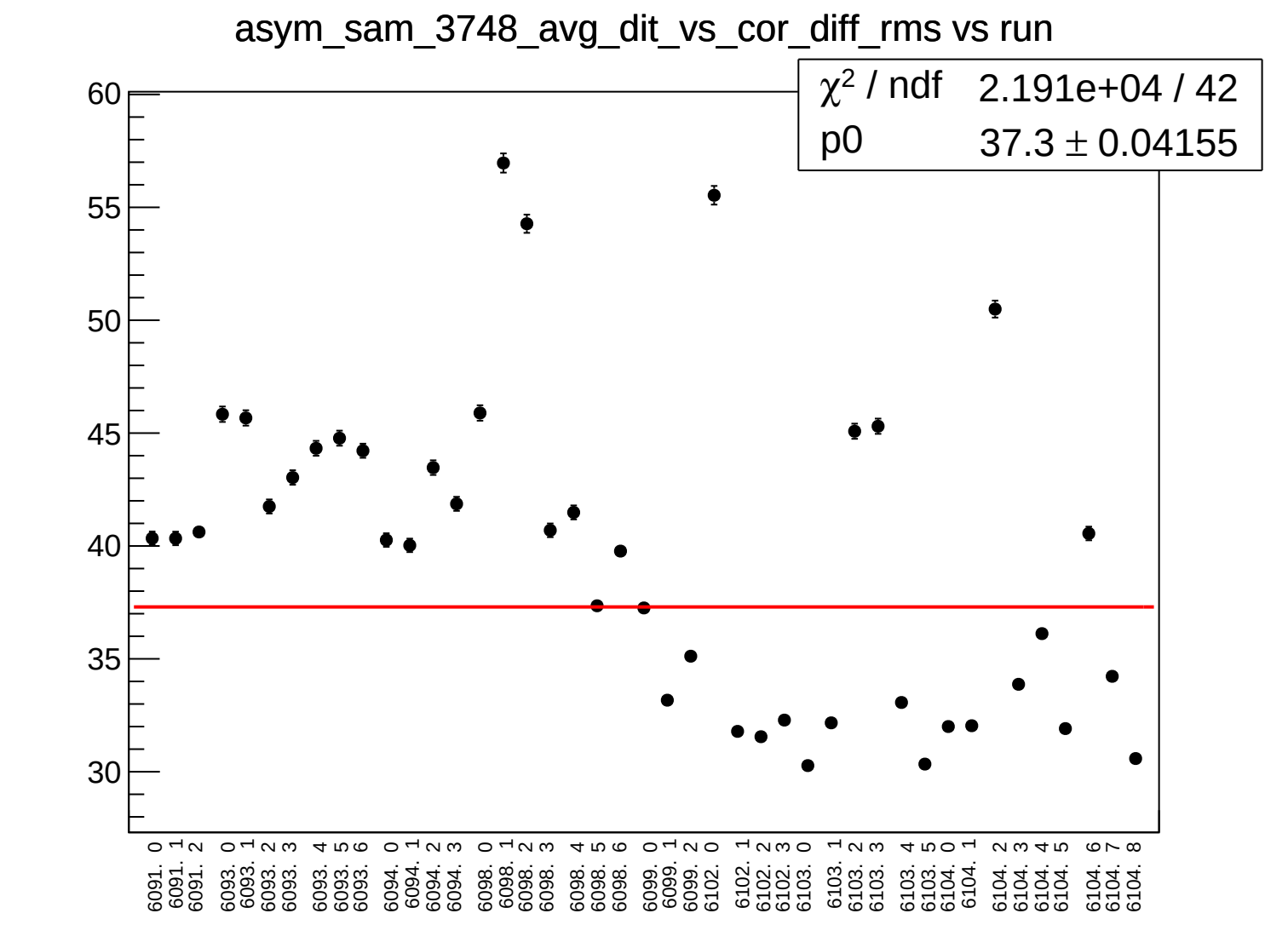

asym_sam_3748_avg_rms vs run
χ² / ndf 1656 / 42
p0 1290 ± 1.42
1400
1350
1300
1250
1200
1150
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

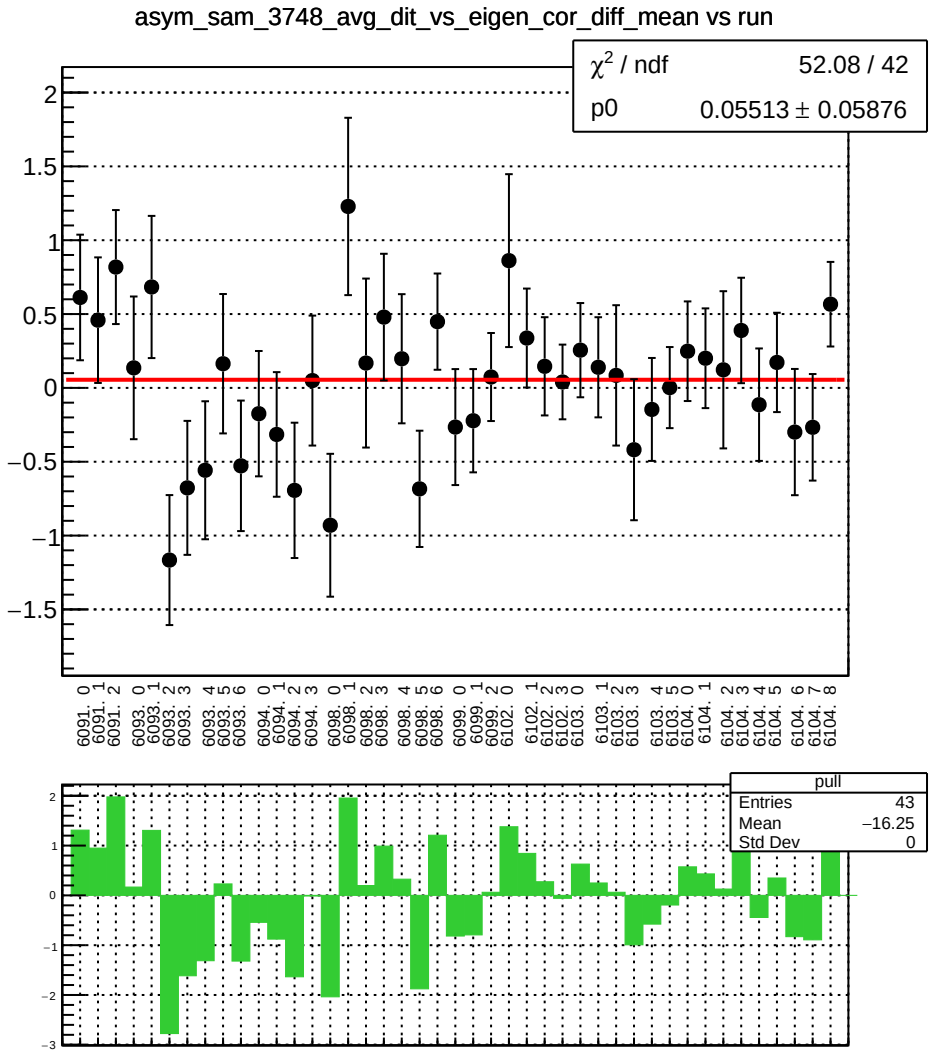

asym_sam_3748_avg_reg_vs_cor_diff_mean vs run
χ² / ndf 52.63 / 42
p0 8.396e−14 ± 1.207e−13
0.0006
0.0004
0.0002
0
−0.0002
−0.0004
−0.0006
−0.0008
−0.001
−0.0012
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 16.62
Std Dev 8.656
2
1
0
−1
−2
pull1D
Entries 43
Mean 0.1007
Std Dev 1.102
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

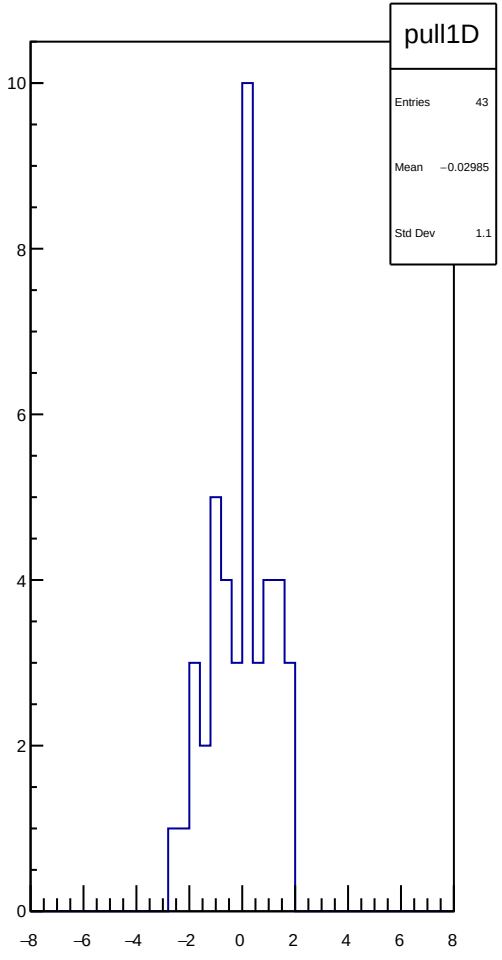

asym_sam_3748_avg_reg_vs_cor_diff_rms vs run
χ² / ndf 5.303e+05 / 42
p0 4.654e−11 ± 8.535e−14
0.05
0.04
0.03
0.02
0.01
0
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

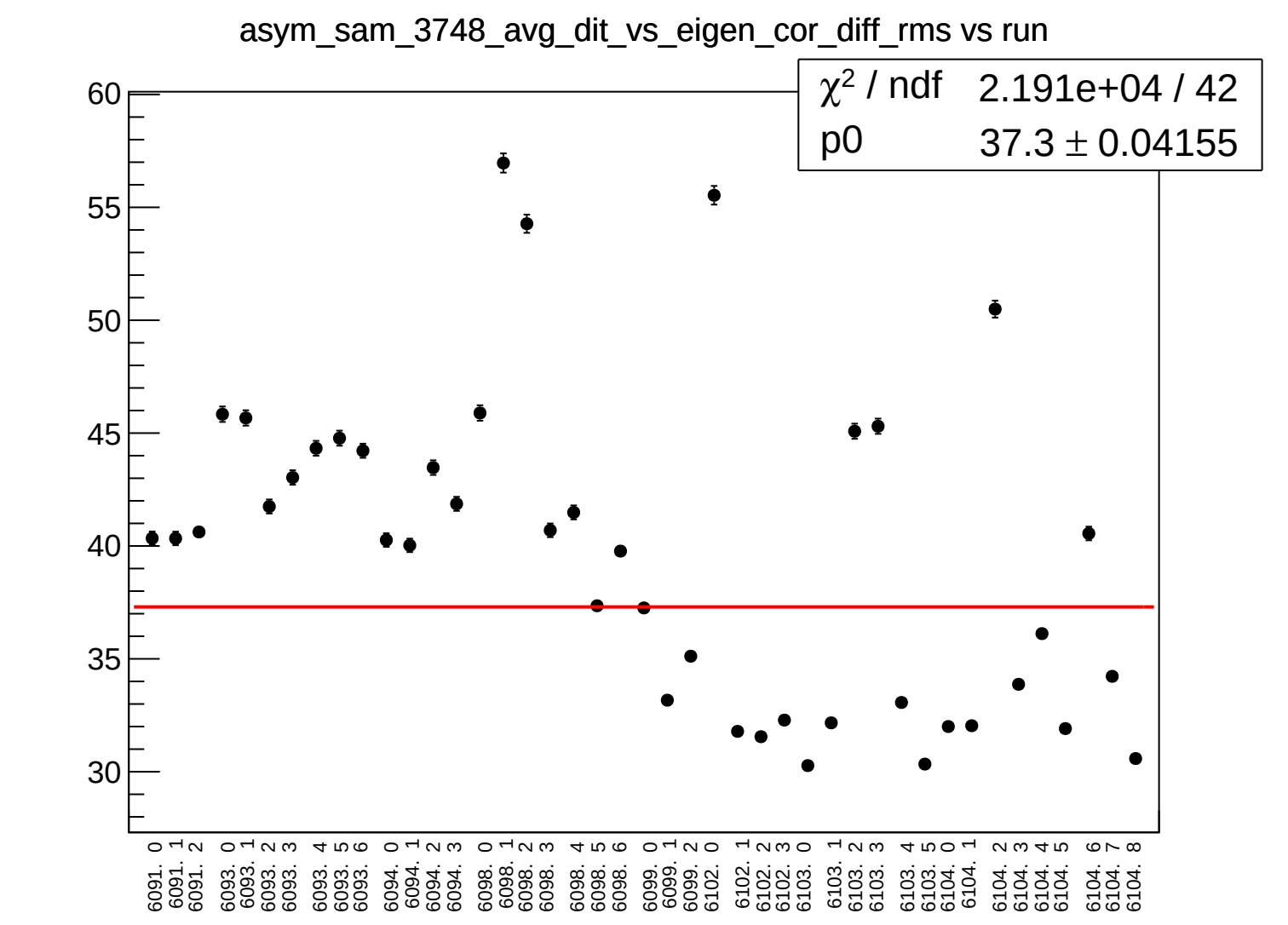

asym_sam_3748_avg_dit_vs_cor_diff_mean vs run
χ² / ndf 52.08 / 42
p0 0.05513 ± 0.05876
pull
Entries 43
Mean −16.25
Std Dev 0
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

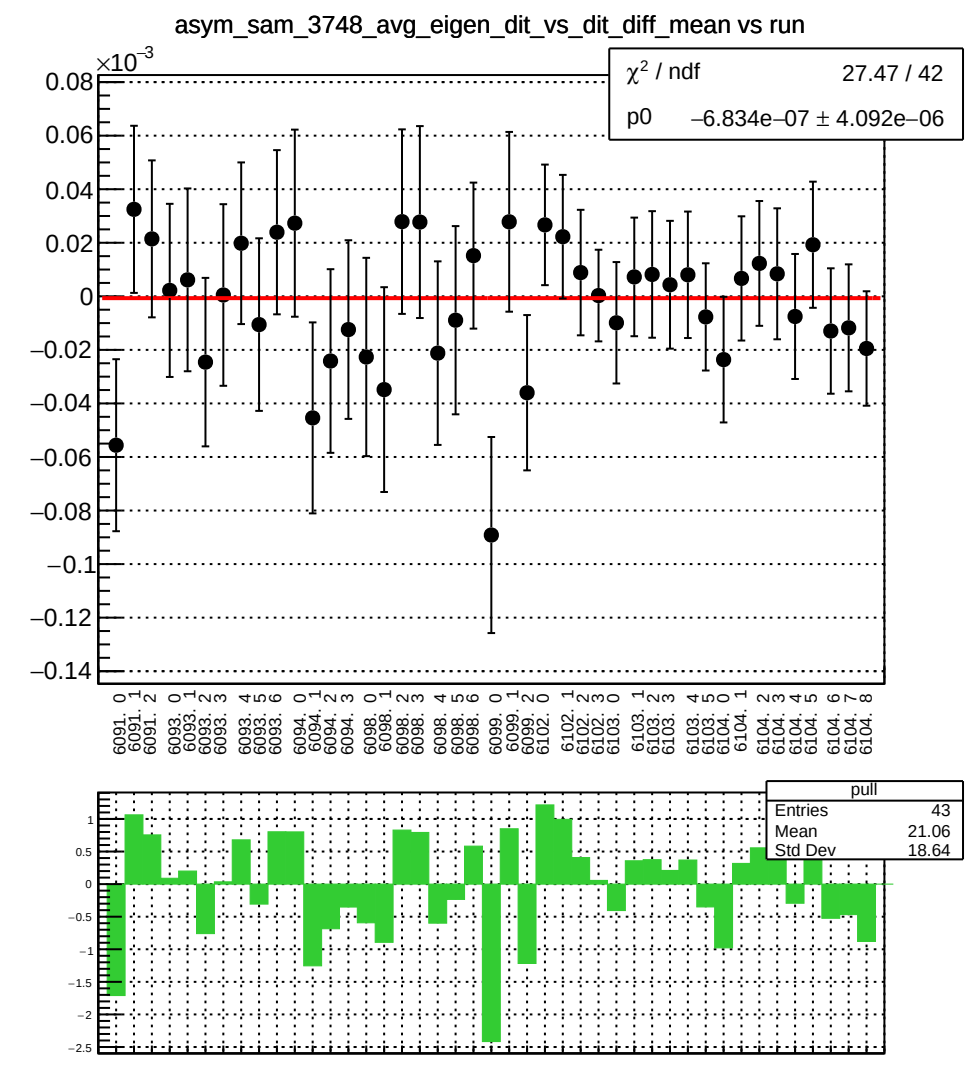

pull1D
Entries 43
Mean −0.02985
Std Dev 1.1

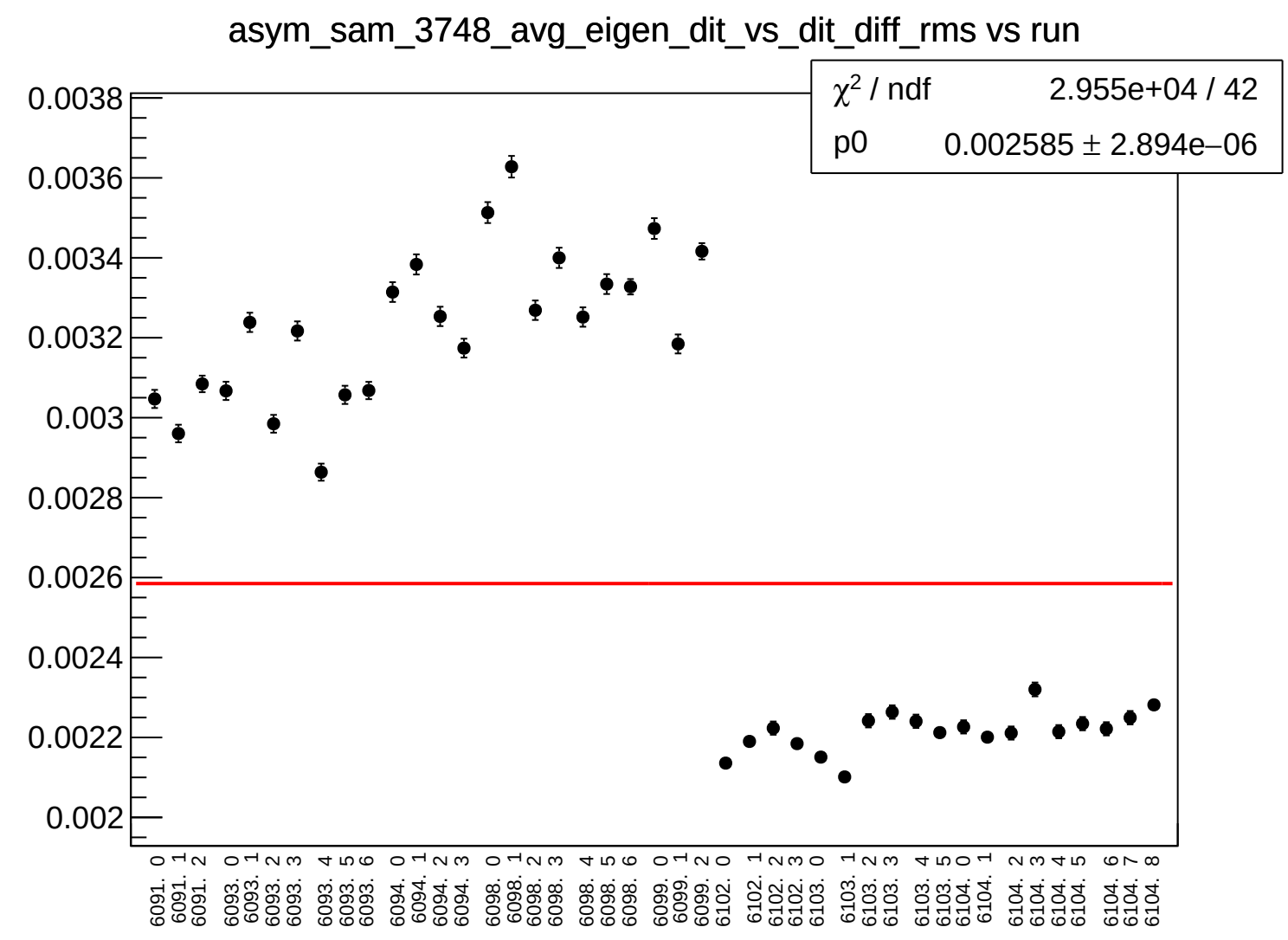

asym_sam_3748_avg_dit_vs_cor_diff_rms vs run
χ² / ndf 2.191e+04 / 42
p0 37.3 ± 0.04155
60
55
50
45
40
35
30
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8


asym_sam_3748_avg_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 52.08 / 42
p0 0.05513 ± 0.05876
pull
Entries 43
Mean −16.25
Std Dev 0
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8


pull1D
Entries 43
Mean −0.02985
Std Dev 1.1


asym_sam_3748_avg_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 2.191e+04 / 42
p0 37.3 ± 0.04155
60
55
50
45
40
35
30
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8


asym_sam_3748_avg_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 27.47 / 42
p0 −6.834e−07 ± 4.092e−06
0.08
0.06
0.04
0.02
0
−0.02
−0.04
−0.06
−0.08
−0.1
−0.12
−0.14
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 21.06
Std Dev 18.64
1
0.5
0
−0.5
−1
−1.5
−2
−2.5
pull1D
Entries 43
Mean −0.0316
Std Dev 0.7986
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


asym_sam_3748_avg_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 2.955e+04 / 42
p0 0.002585 ± 2.894e−06
0.0038
0.0036
0.0034
0.0032
0.003
0.0028
0.0026
0.0024
0.0022
0.002
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
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6098. 5
6098. 6
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6099. 1
6099. 2
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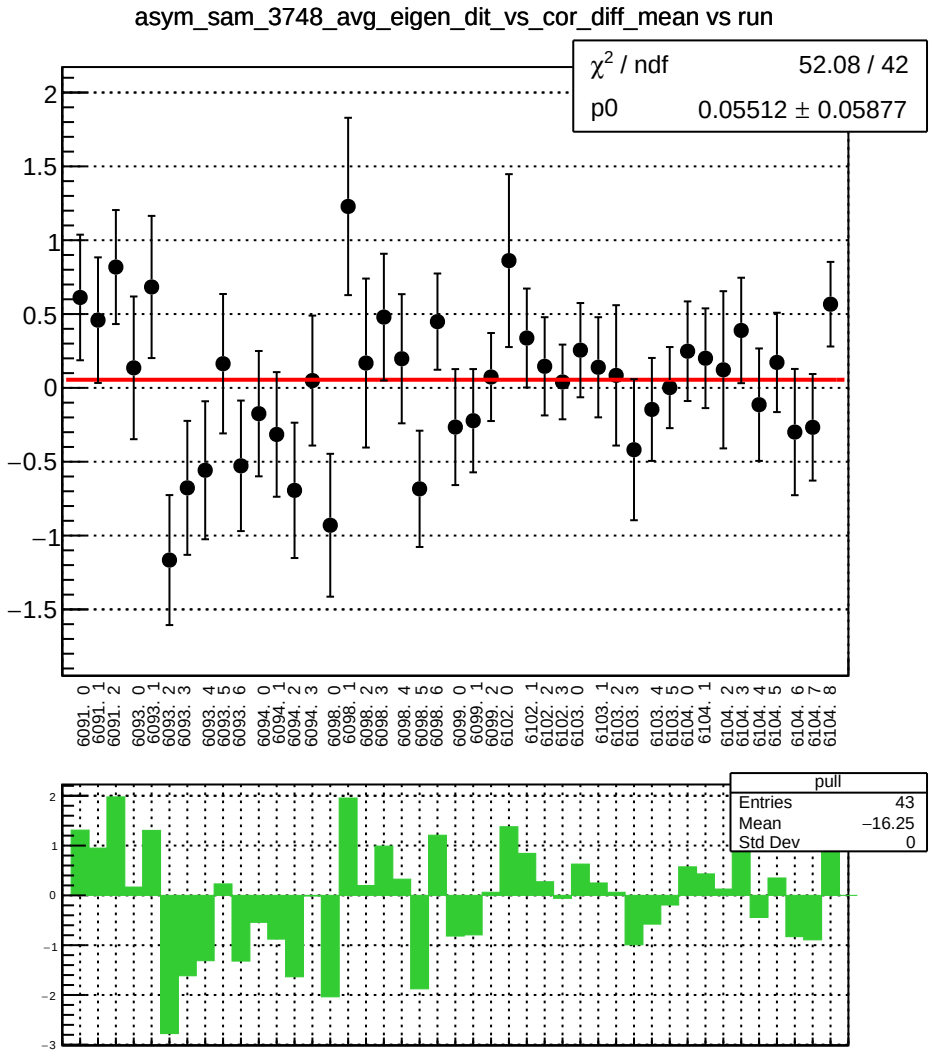
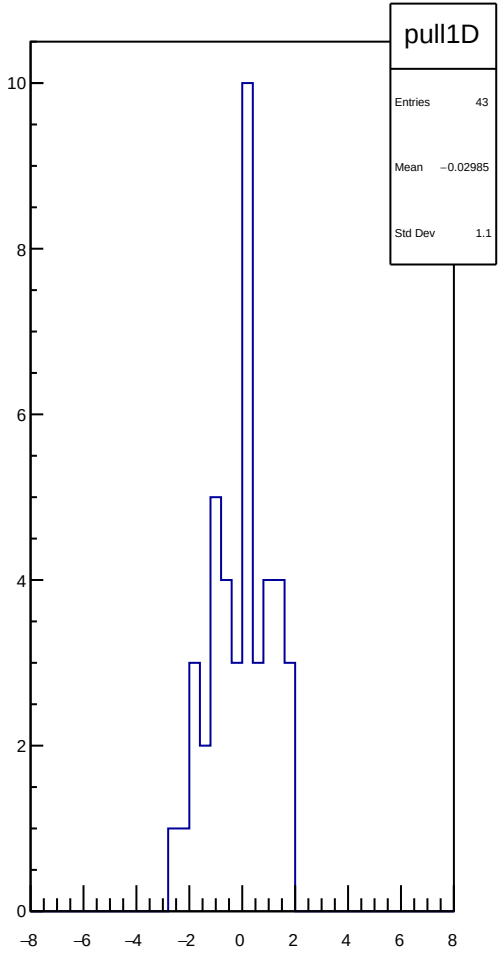
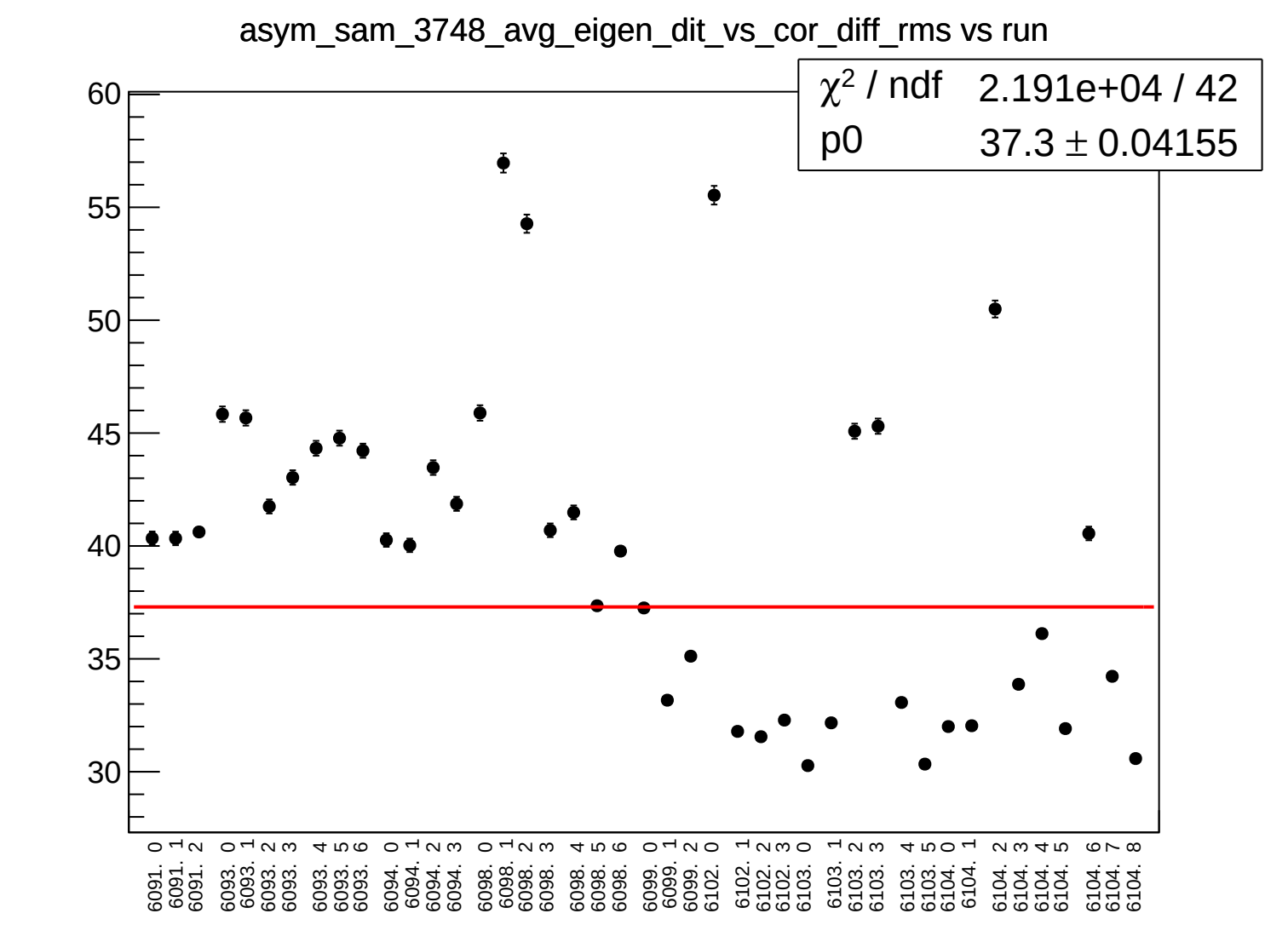
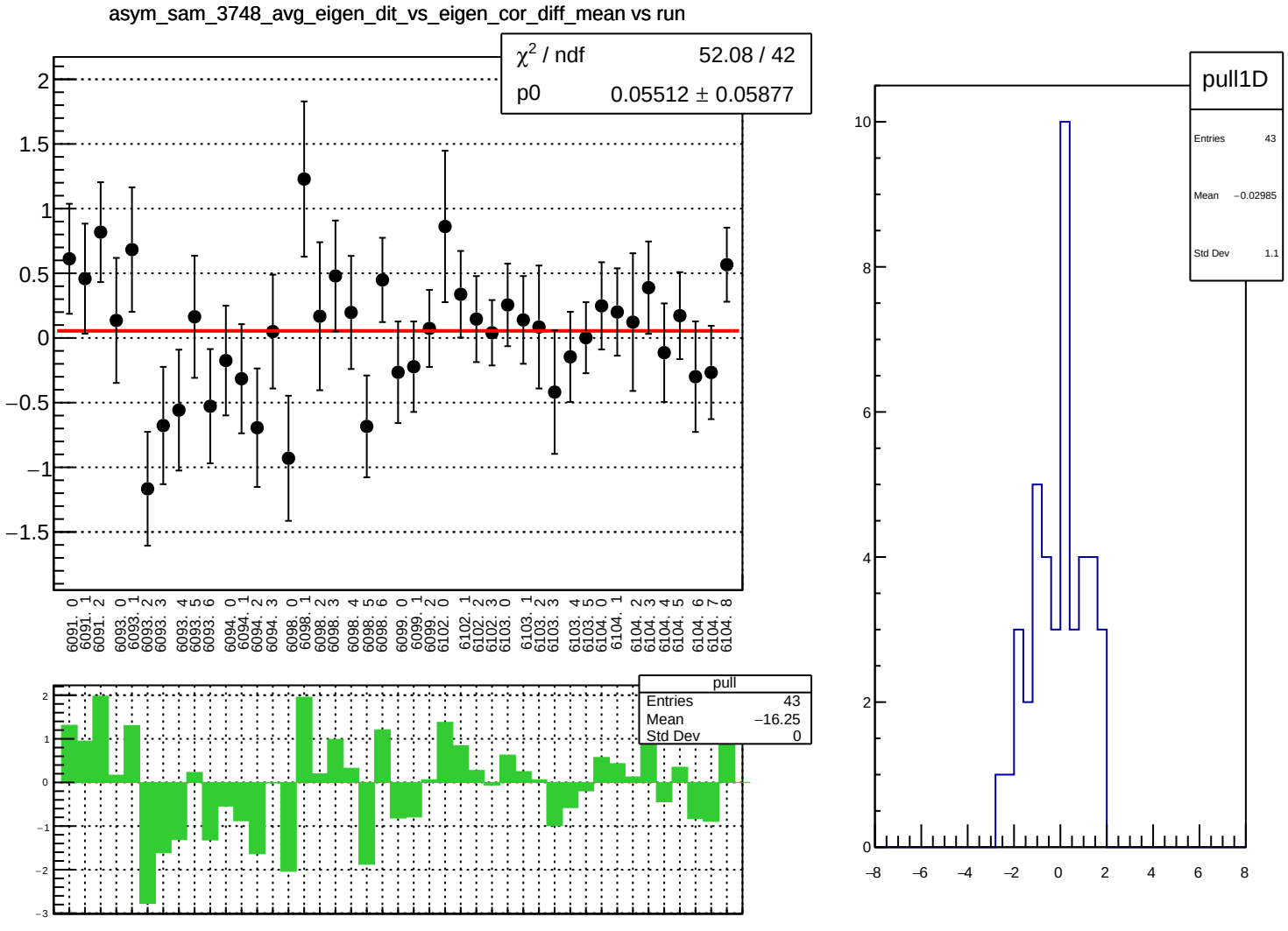
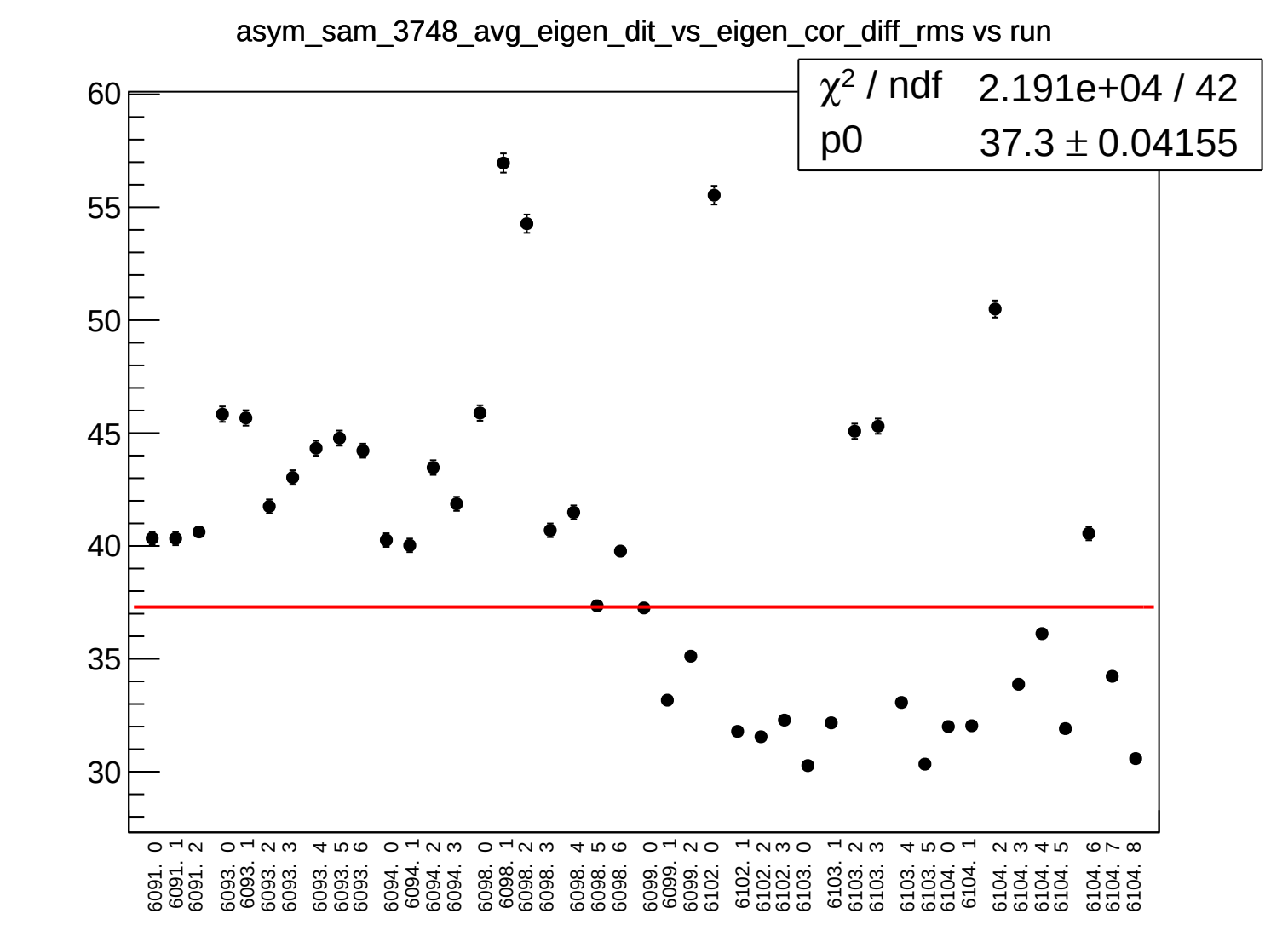
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

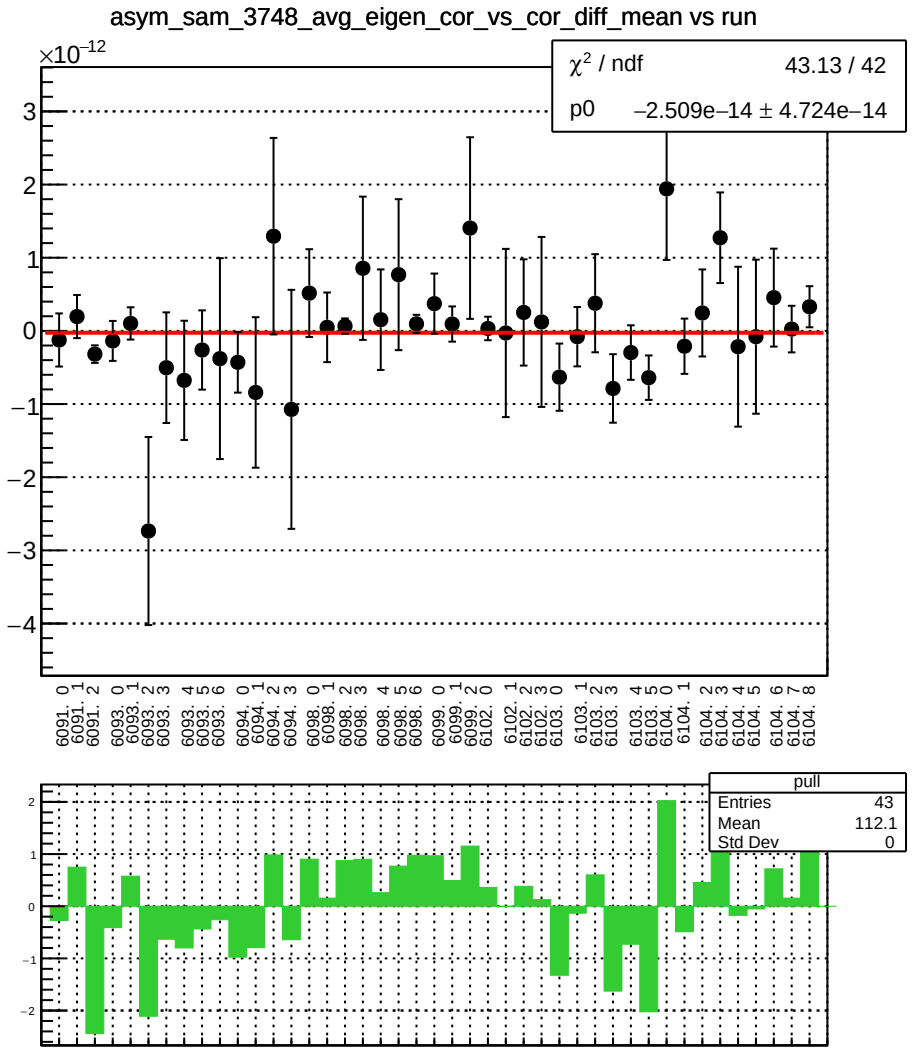

asym_sam_3748_avg_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 52.08 / 42
p0 0.05512 ± 0.05877
pull
Entries 43
Mean −16.25
Std Dev 0
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

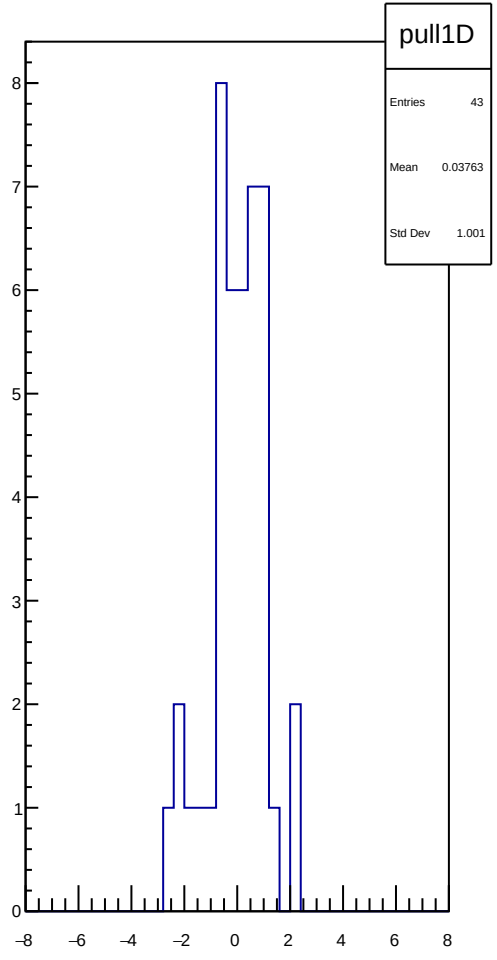

pull1D
Entries 43
Mean −0.02985
Std Dev 1.1

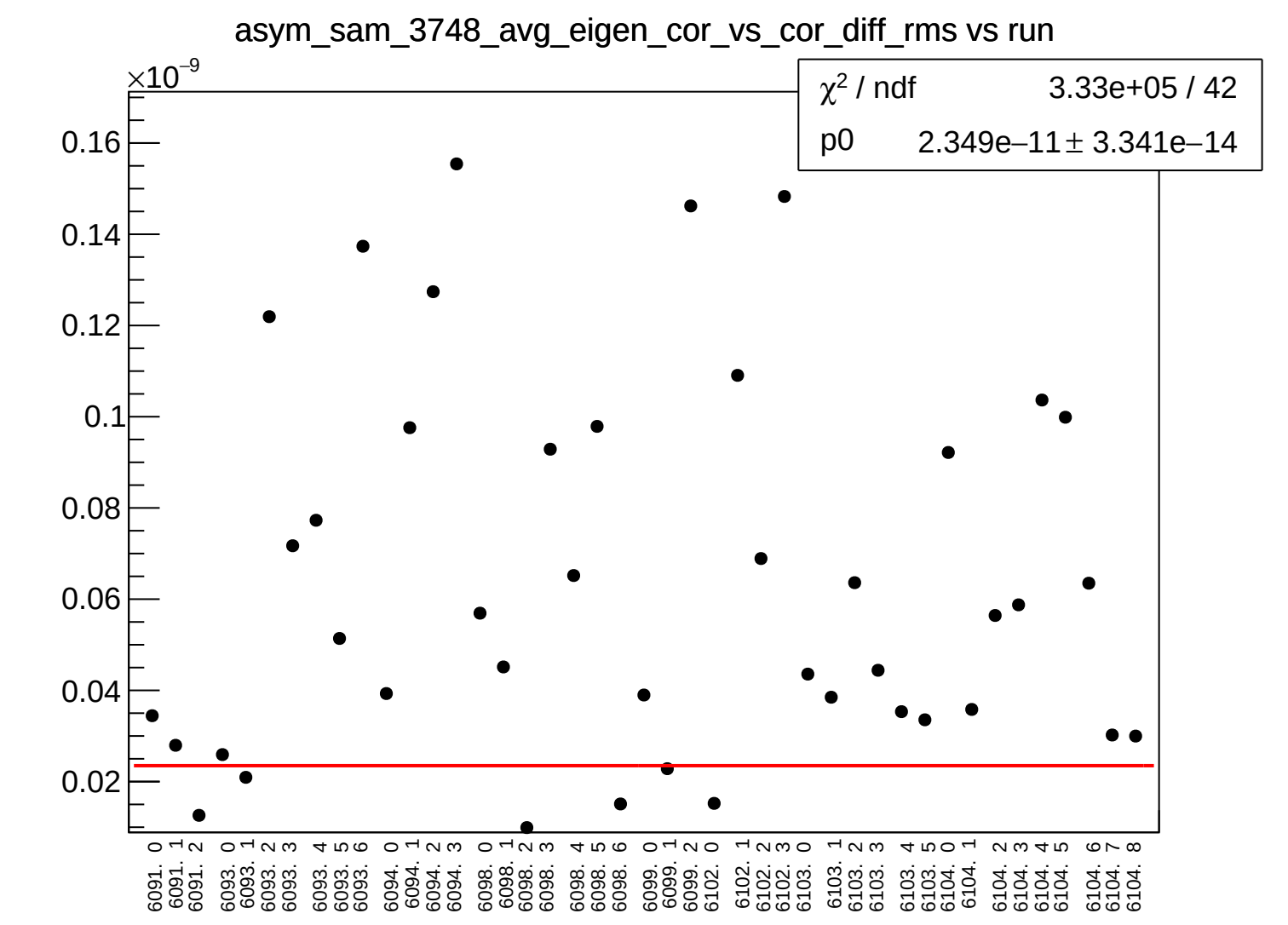

asym_sam_3748_avg_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 2.191e+04 / 42
p0 37.3 ± 0.04155
60
55
50
45
40
35
30
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

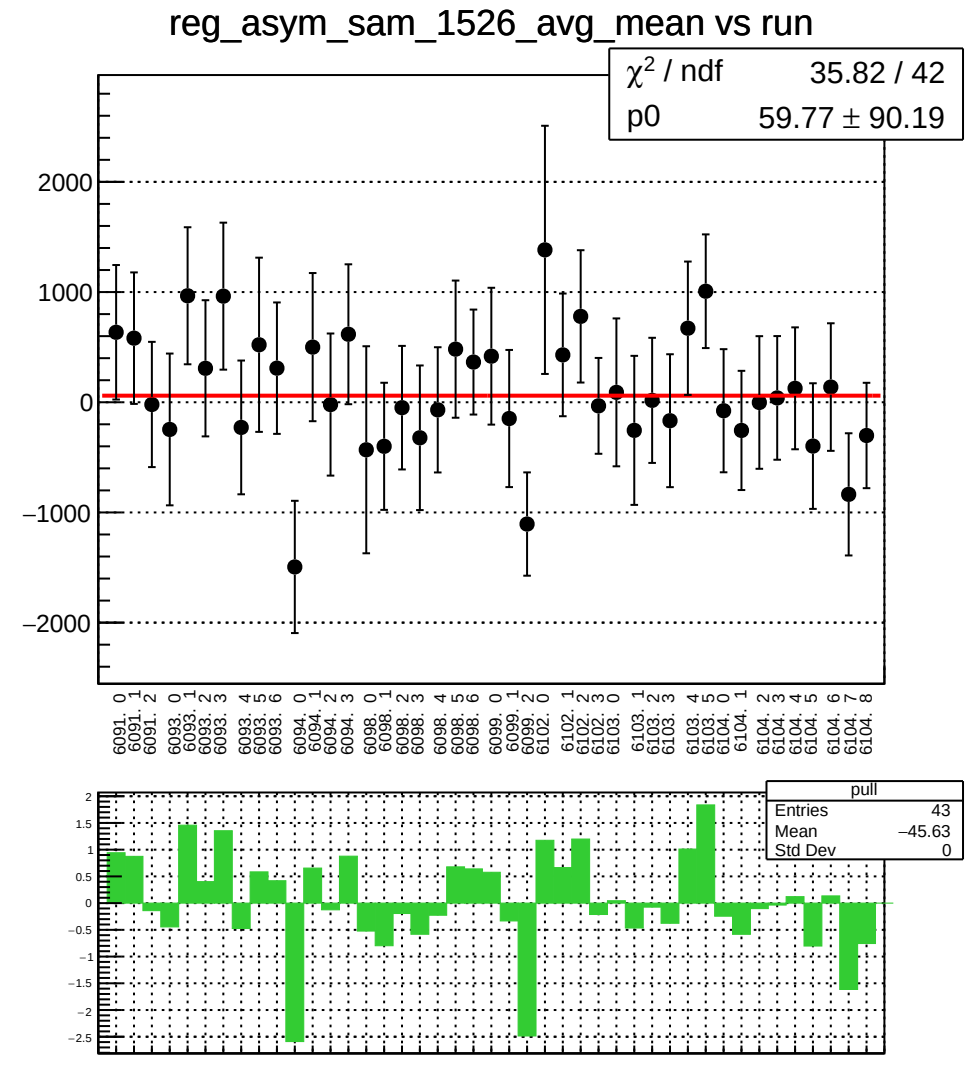

asym_sam_3748_avg_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 52.08 / 42
p0 0.05512 ± 0.05877
pull
Entries 43
Mean −16.25
Std Dev 0
pull1D
Entries 43
Mean −0.02985
Std Dev 1.1

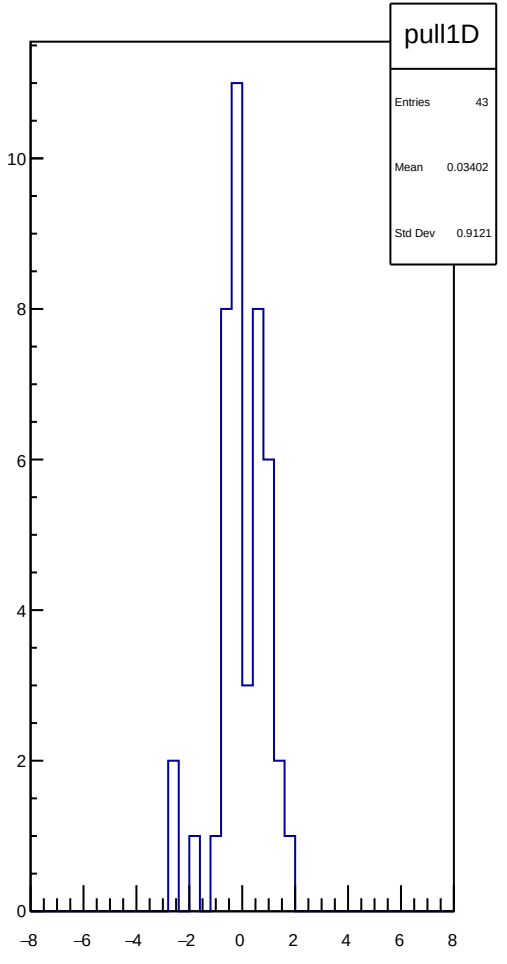

asym_sam_3748_avg_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 2.191e+04 / 42
p0 37.3 ± 0.04155
60
55
50
45
40
35
30
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

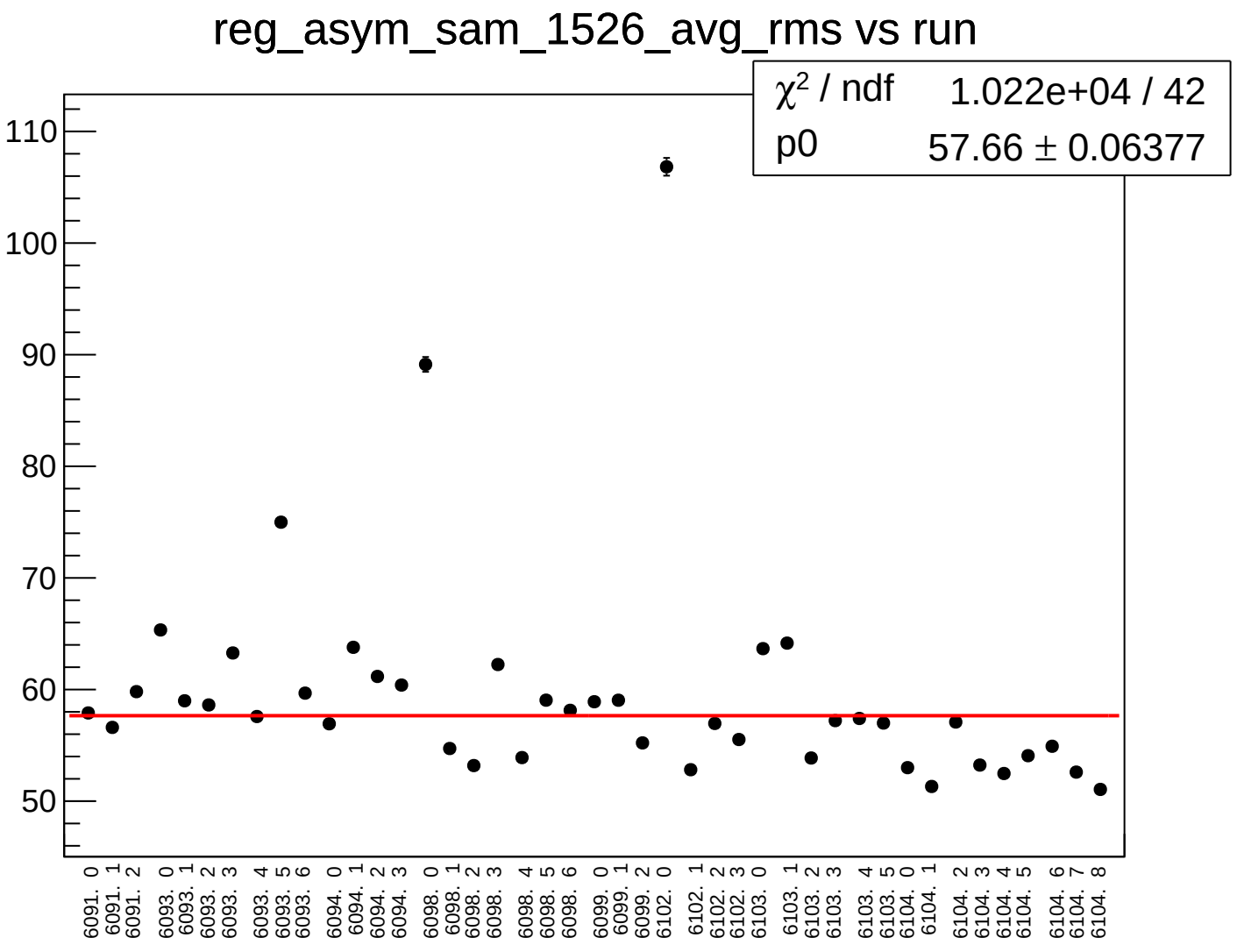

asym_sam_3748_avg_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 43.13 / 42
p0 −2.509e−14 ± 4.724e−14
pull
Entries 43
Mean 112.1
Std Dev 0

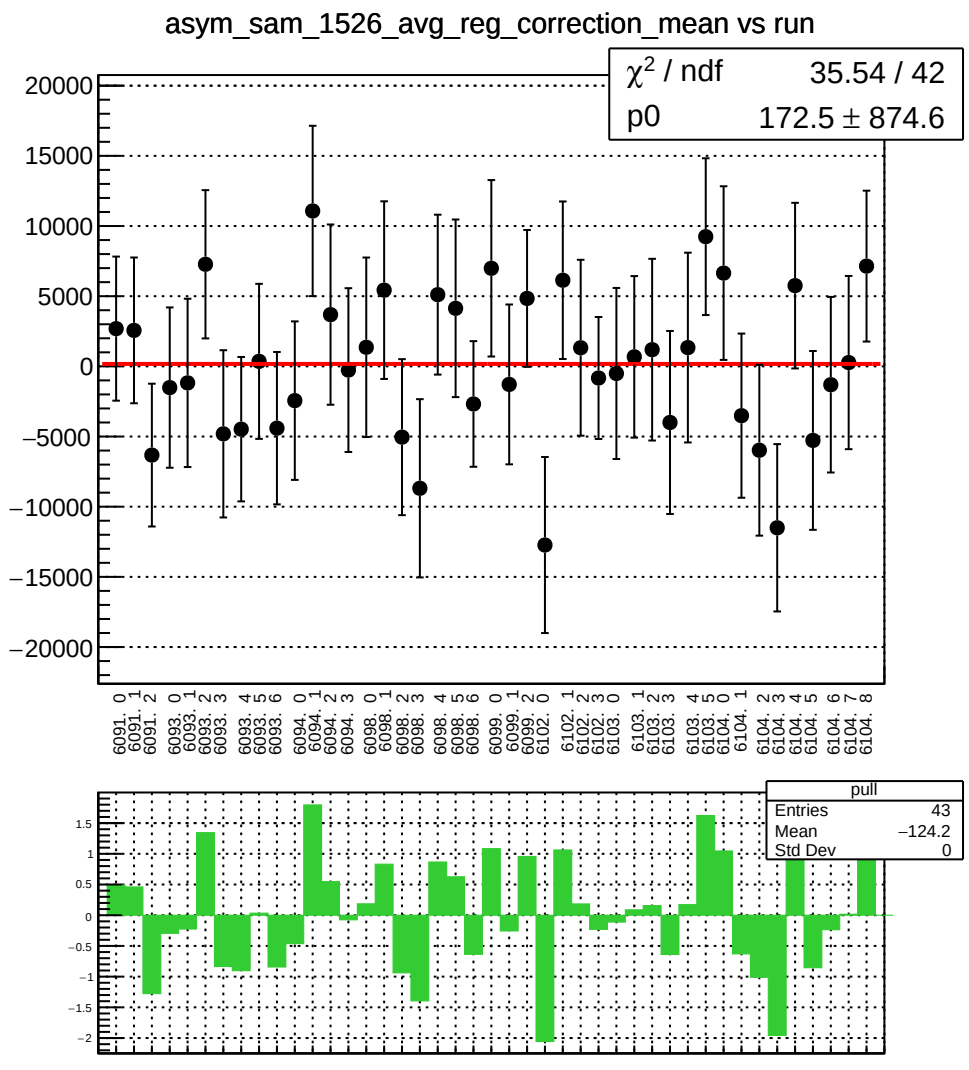

pull1D
Entries 43
Mean 0.03763
Std Dev 1.001

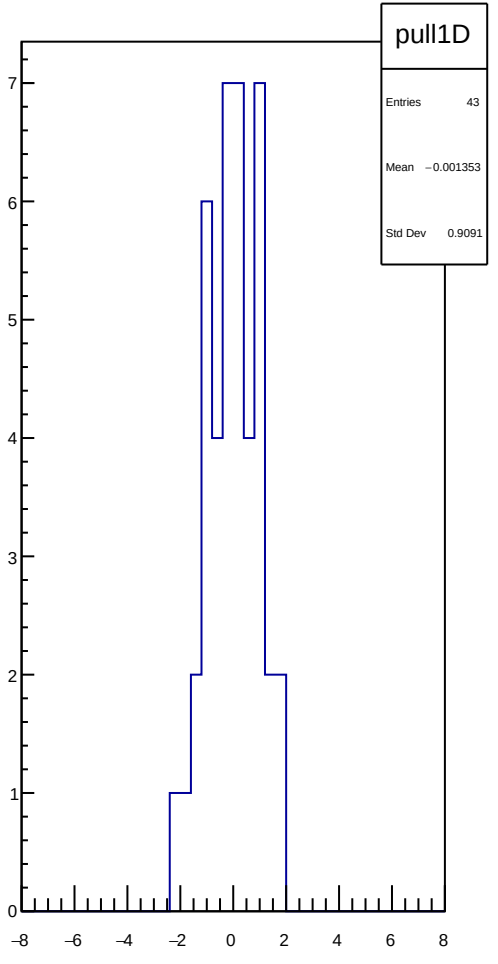

asym_sam_3748_avg_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 3.33e+05 / 42
p0 2.349e−11 ± 3.341e−14
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

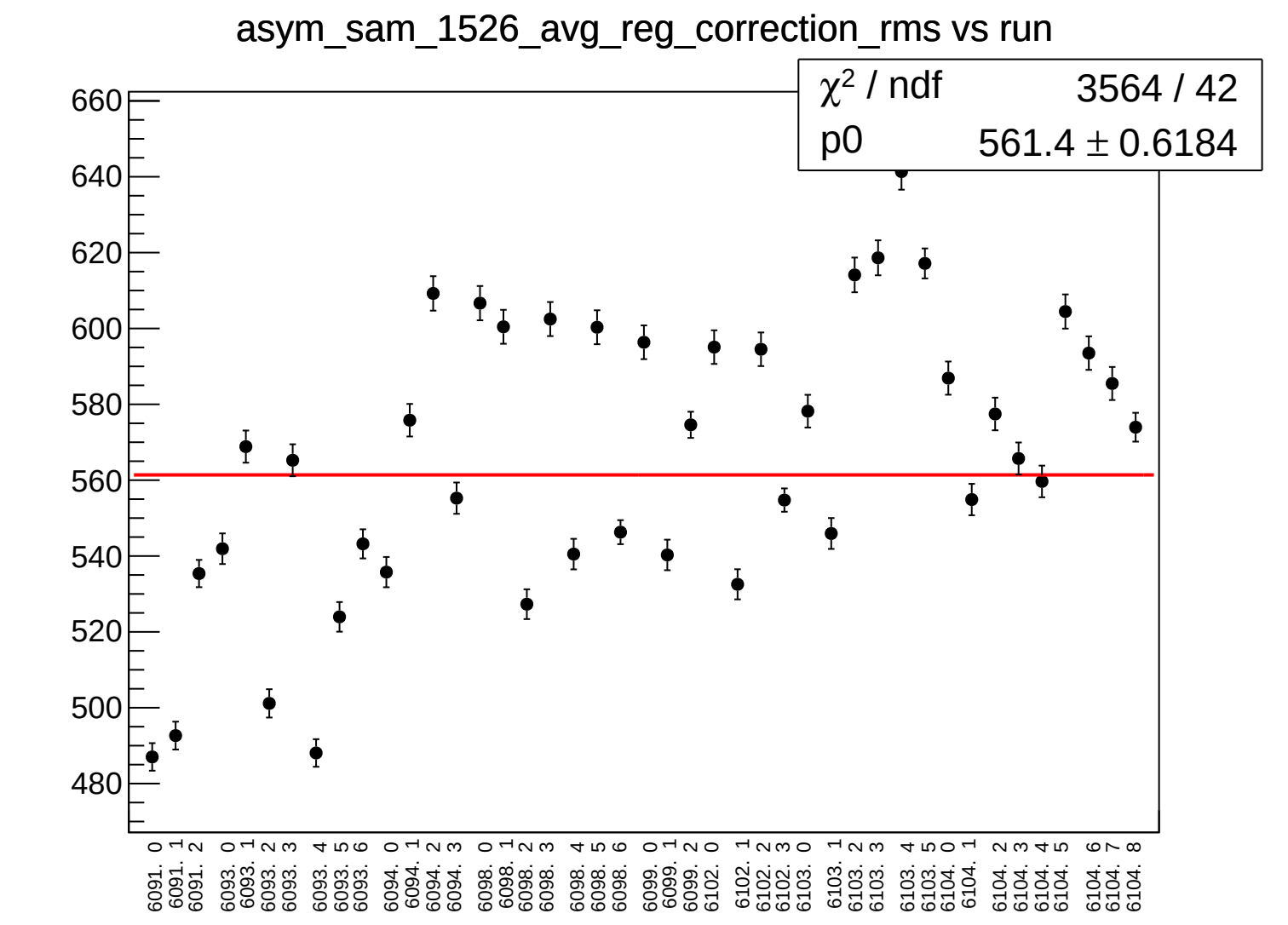

reg_asym_sam_1526_avg_mean vs run
χ² / ndf 35.82 / 42
p0 59.77 ± 90.19
2000
1000
0
−1000
−2000
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean −45.63
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

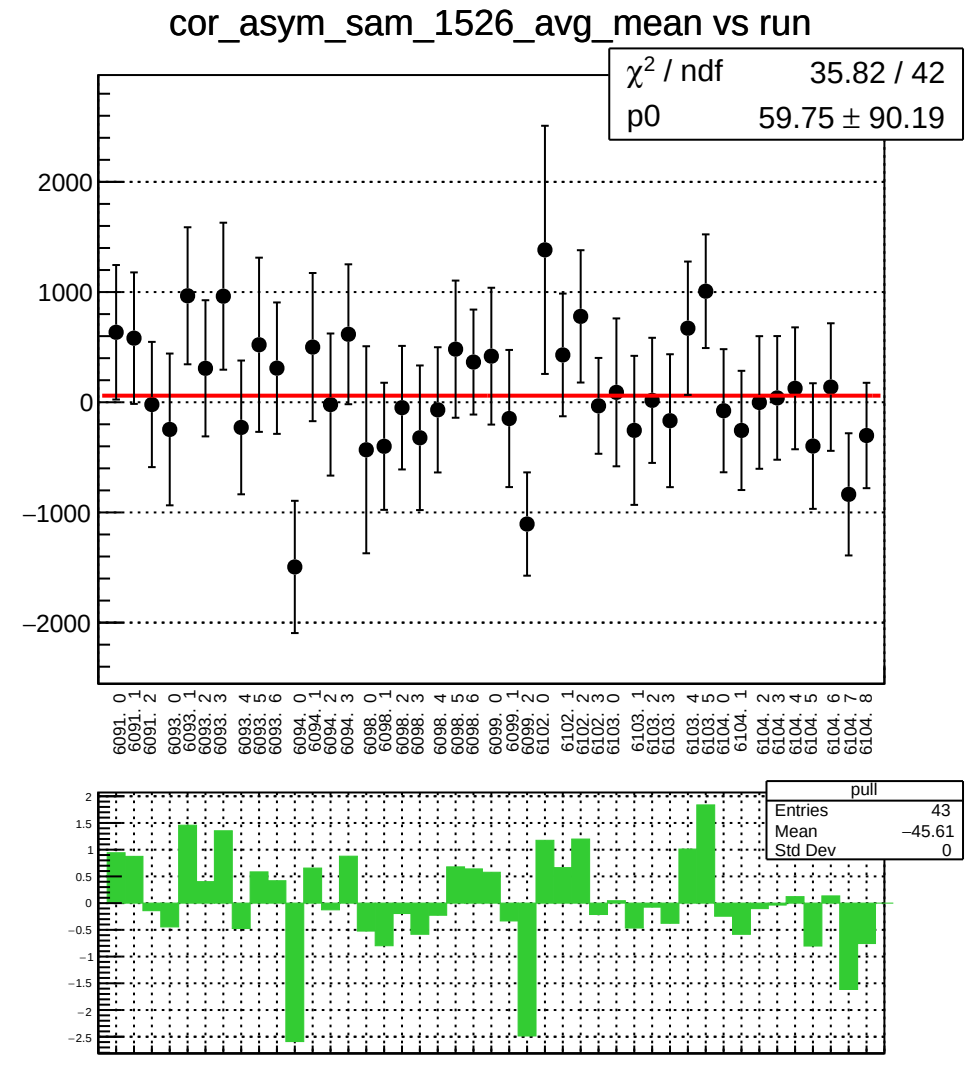

pull1D
Entries 43
Mean 0.03402
Std Dev 0.9121
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

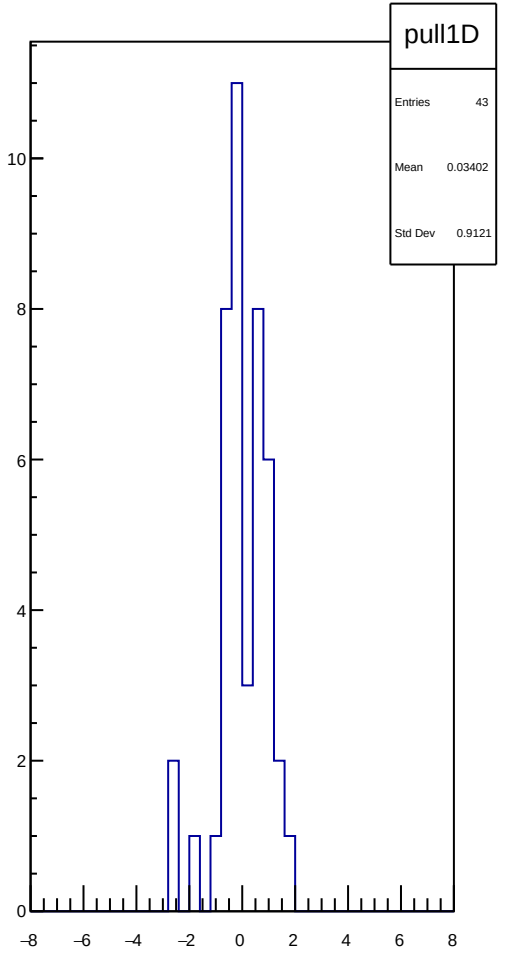

reg_asym_sam_1526_avg_rms vs run
χ² / ndf 1.022e+04 / 42
p0 57.66 ± 0.06377
110
100
90
80
70
60
50
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

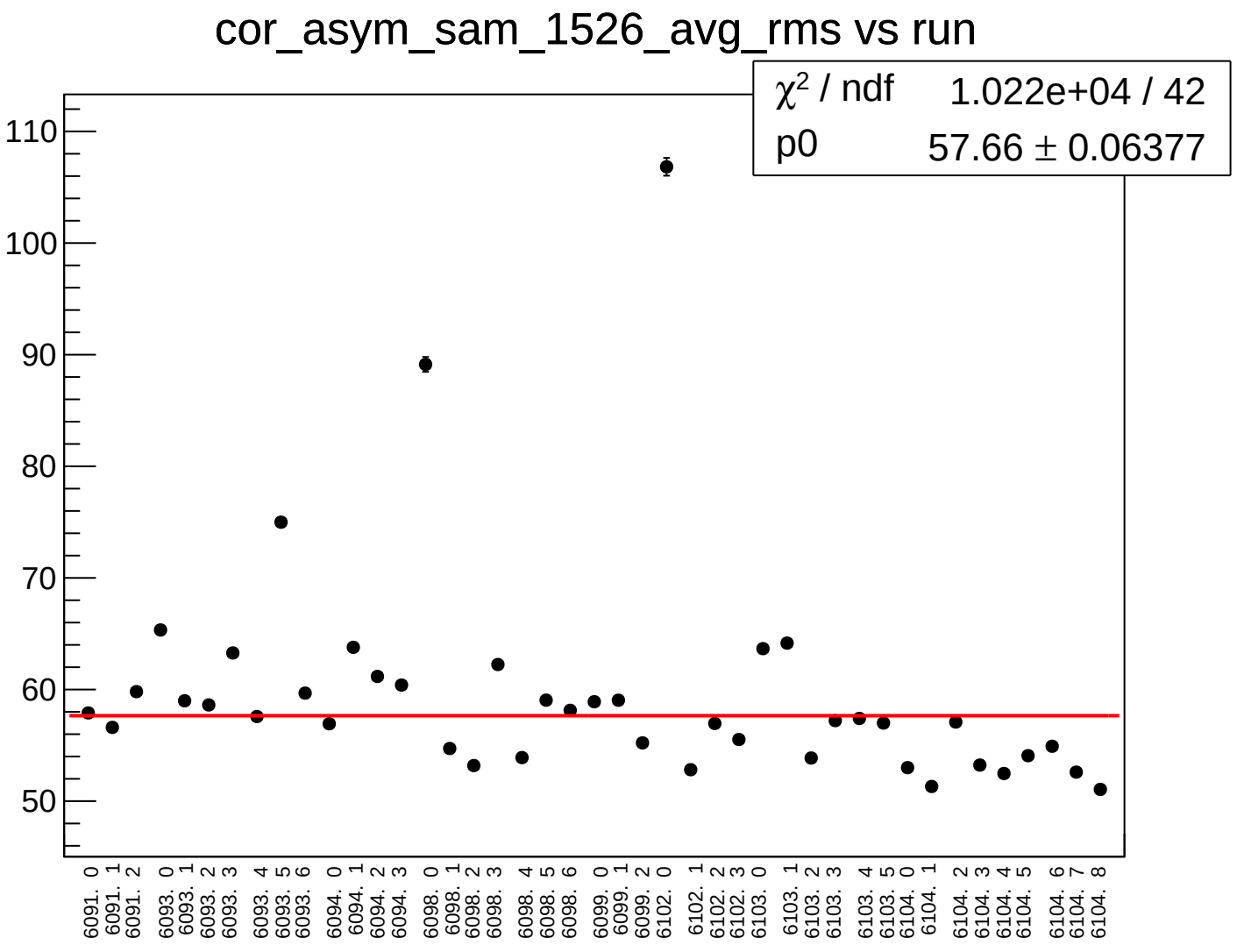

asym_sam_1526_avg_reg_correction_mean vs run
χ² / ndf 35.54 / 42
p0 172.5 ± 874.6
20000
15000
10000
5000
0
−5000
−10000
−15000
−20000
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean −124.2
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2

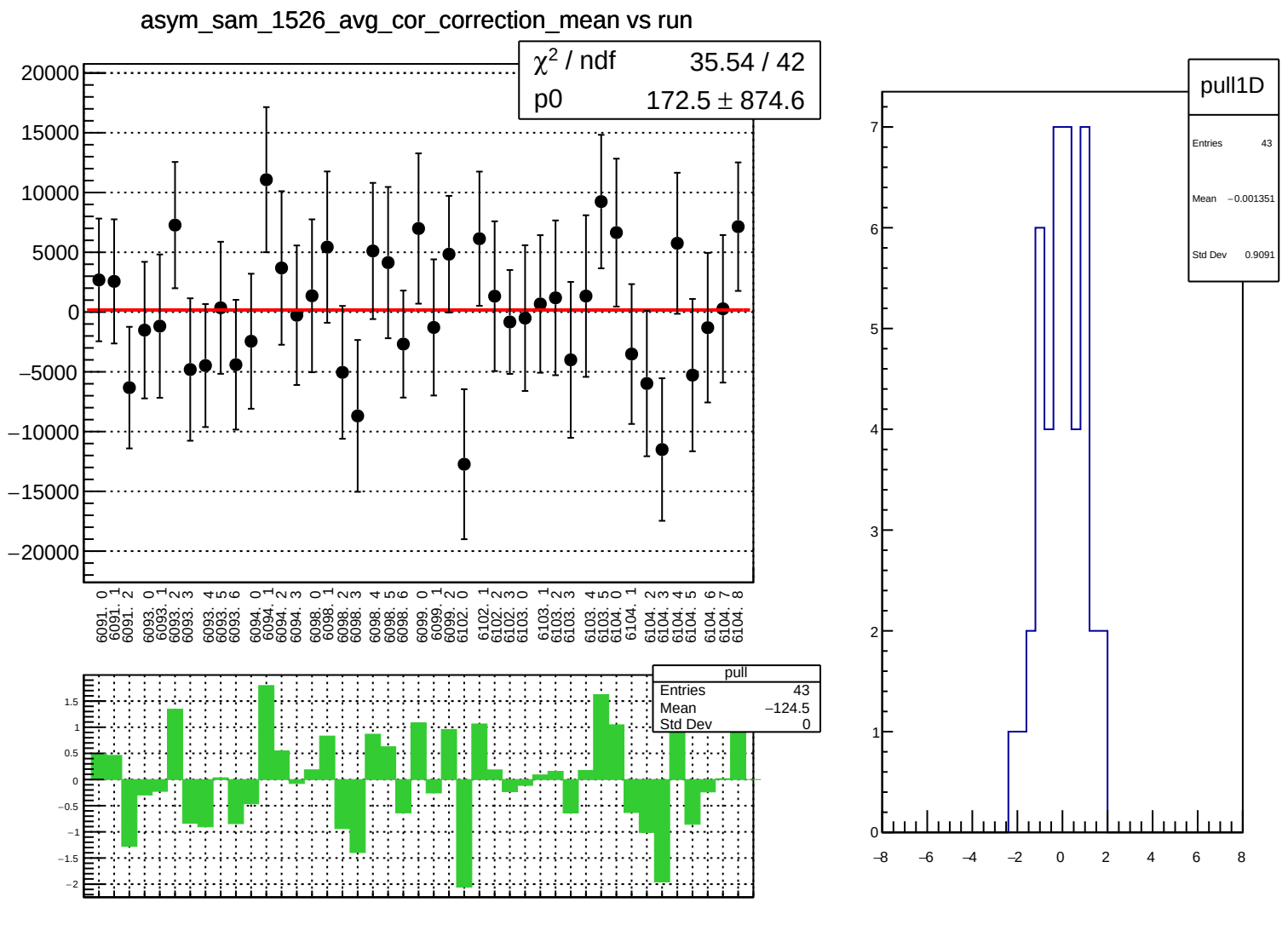

pull1D
Entries 43
Mean −0.001353
Std Dev 0.9091
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

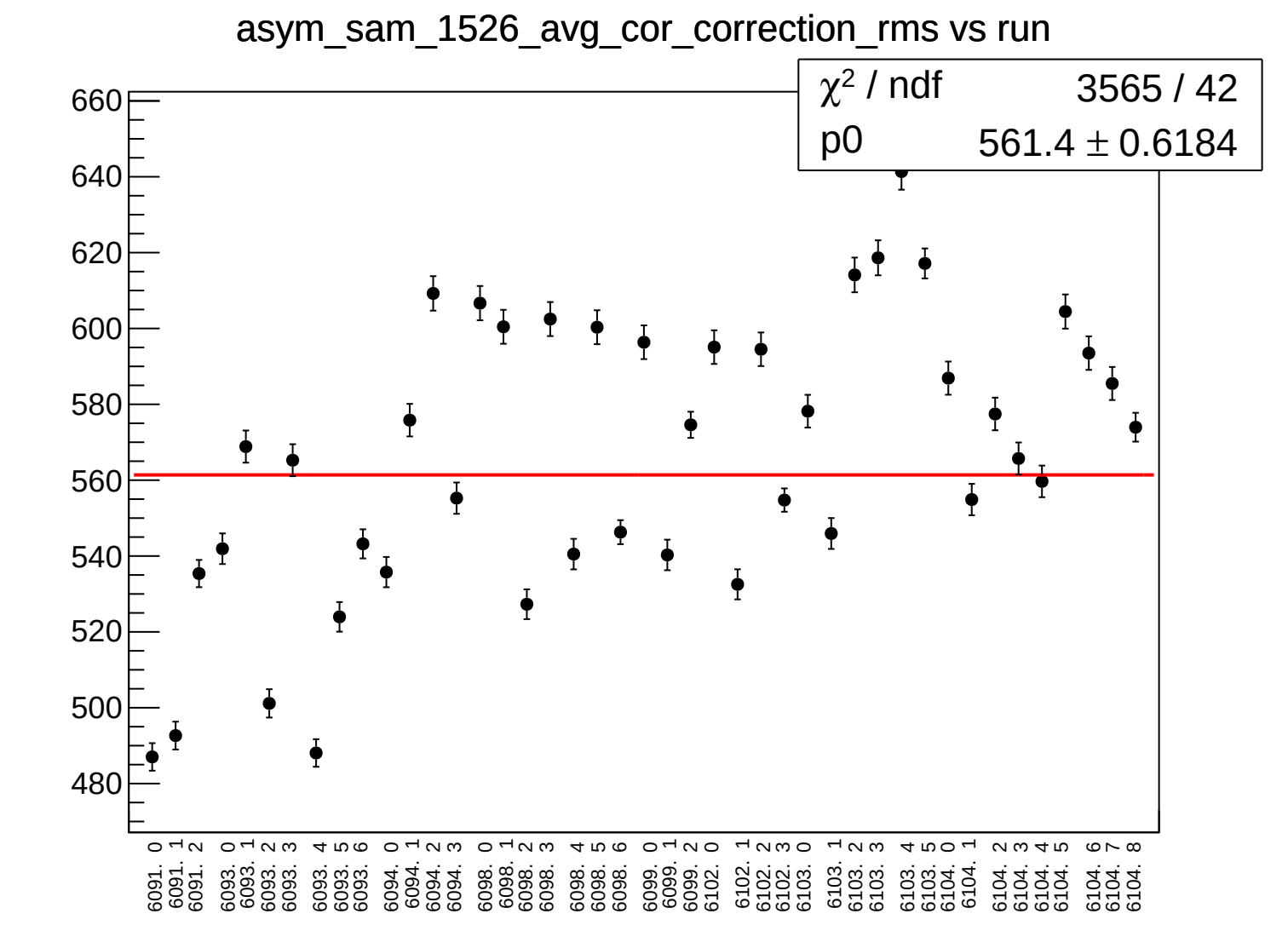

asym_sam_1526_avg_reg_correction_rms vs run
χ² / ndf 3564 / 42
p0 561.4 ± 0.6184
660
640
620
600
580
560
540
520
500
480
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

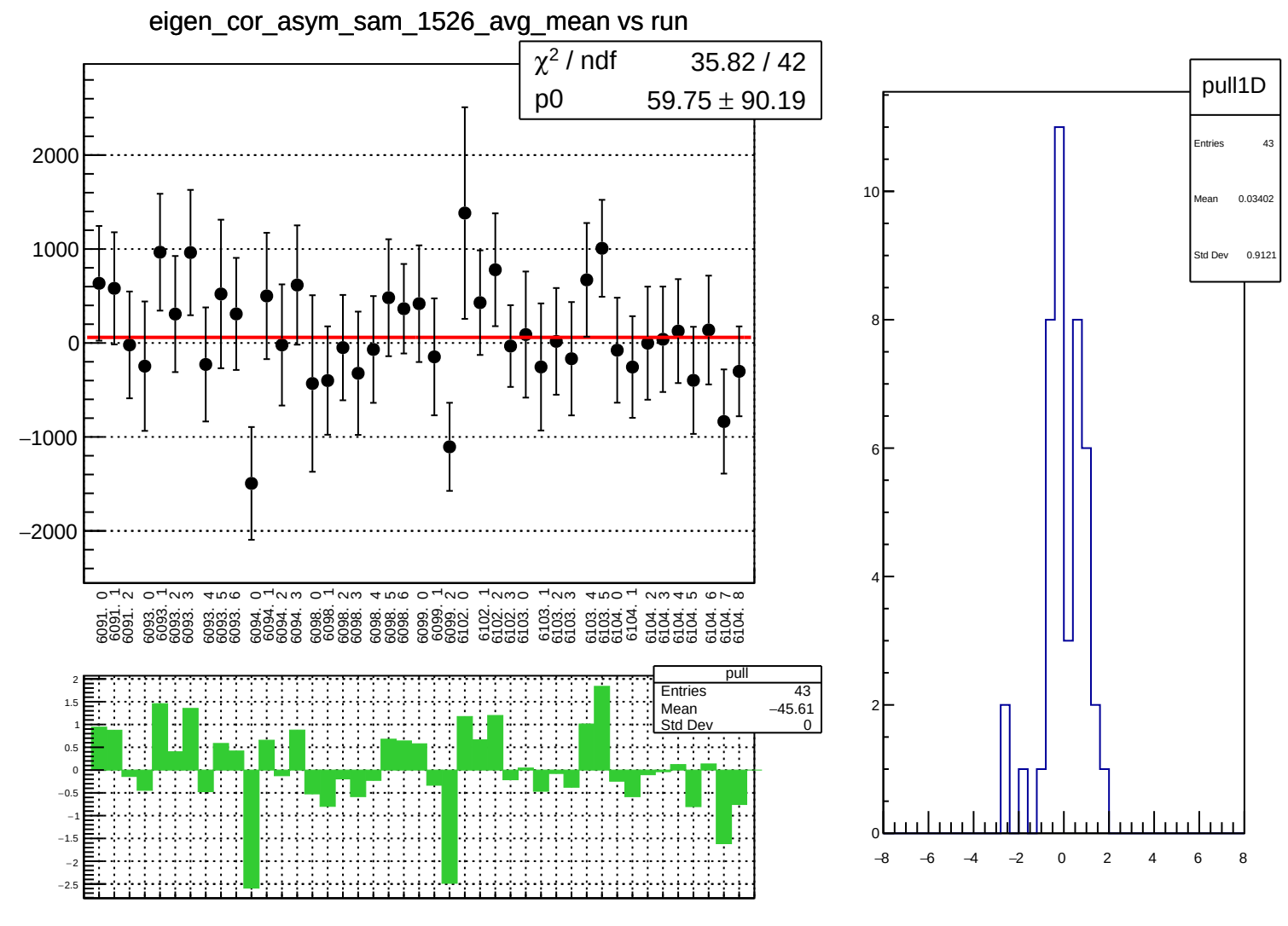

cor_asym_sam_1526_avg_mean vs run
χ² / ndf 35.82 / 42
p0 59.75 ± 90.19
2000
1000
0
−1000
−2000
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean −45.61
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

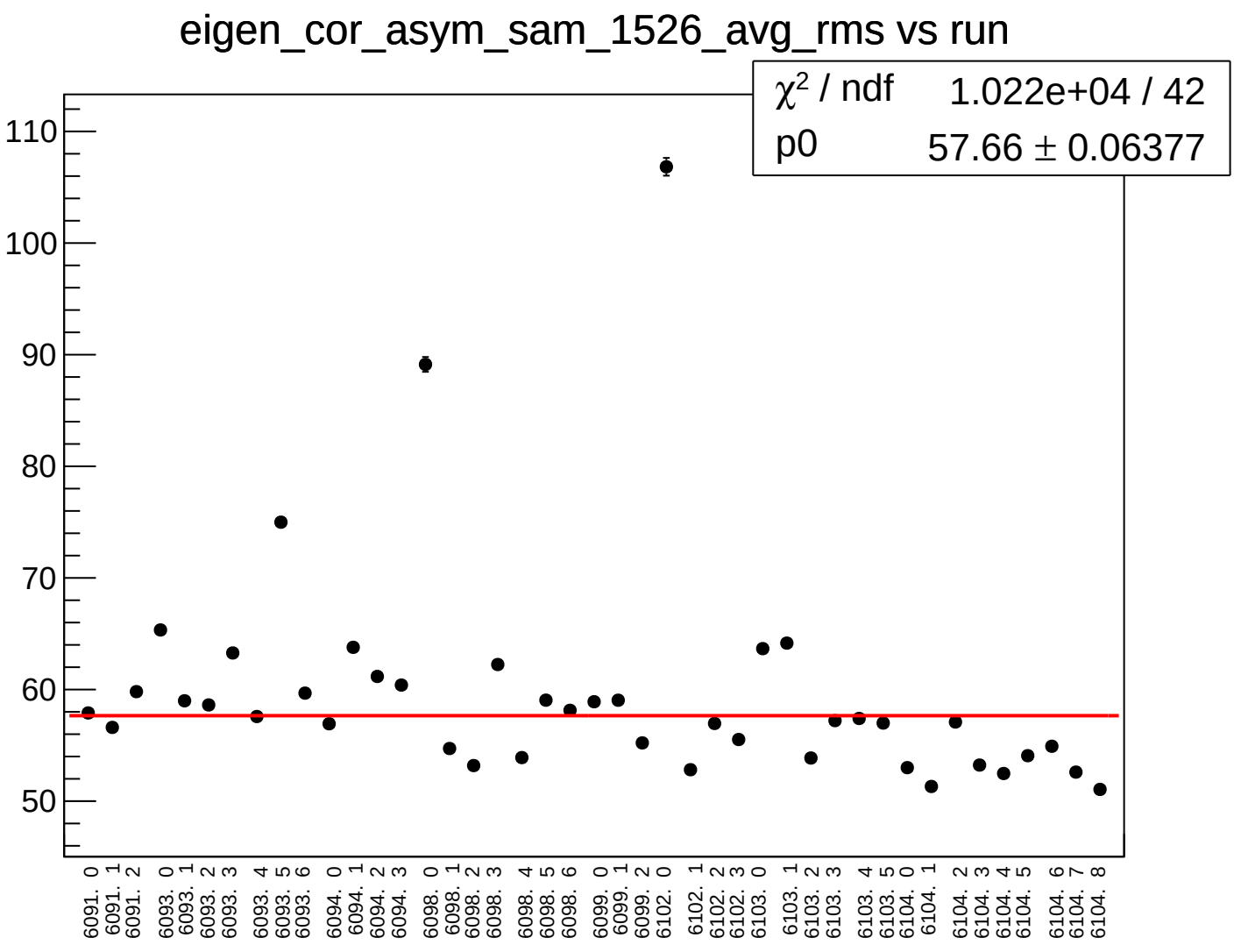

pull1D
Entries 43
Mean 0.03402
Std Dev 0.9121
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


cor_asym_sam_1526_avg_rms vs run
χ² / ndf 1.022e+04 / 42
p0 57.66 ± 0.06377
110
100
90
80
70
60
50
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8


asym_sam_1526_avg_cor_correction_mean vs run
χ² / ndf 35.54 / 42
p0 172.5 ± 874.6
20000
15000
10000
5000
0
−5000
−10000
−15000
−20000
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean −124.5
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 43
Mean −0.001351
Std Dev 0.9091
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


asym_sam_1526_avg_cor_correction_rms vs run
χ² / ndf 3565 / 42
p0 561.4 ± 0.6184
660
640
620
600
580
560
540
520
500
480
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8


eigen_cor_asym_sam_1526_avg_mean vs run
χ² / ndf 35.82 / 42
p0 59.75 ± 90.19
2000
1000
0
−1000
−2000
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean −45.61
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5
pull1D
Entries 43
Mean 0.03402
Std Dev 0.9121
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


eigen_cor_asym_sam_1526_avg_rms vs run
χ² / ndf 1.022e+04 / 42
p0 57.66 ± 0.06377
110
100
90
80
70
60
50
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
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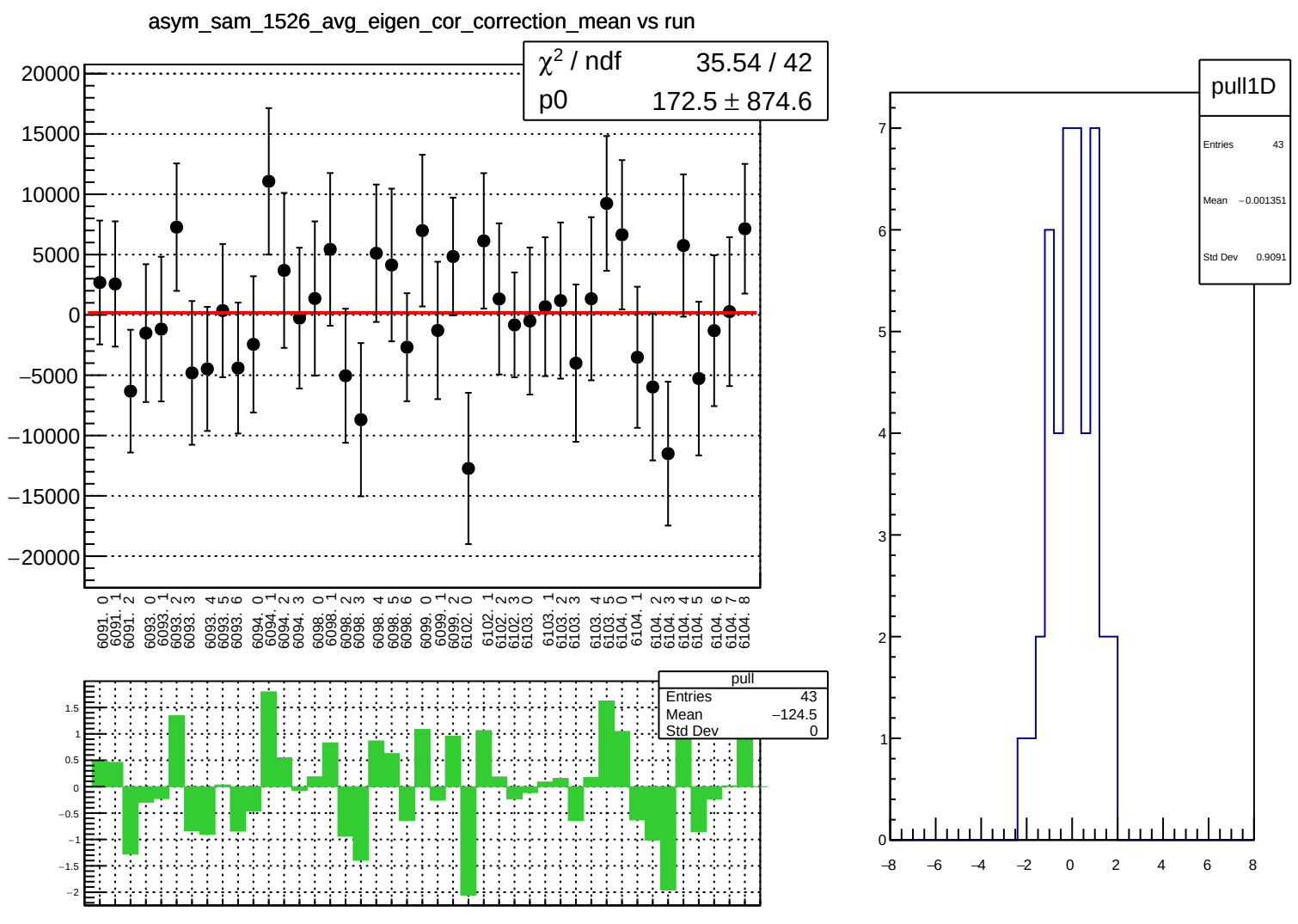
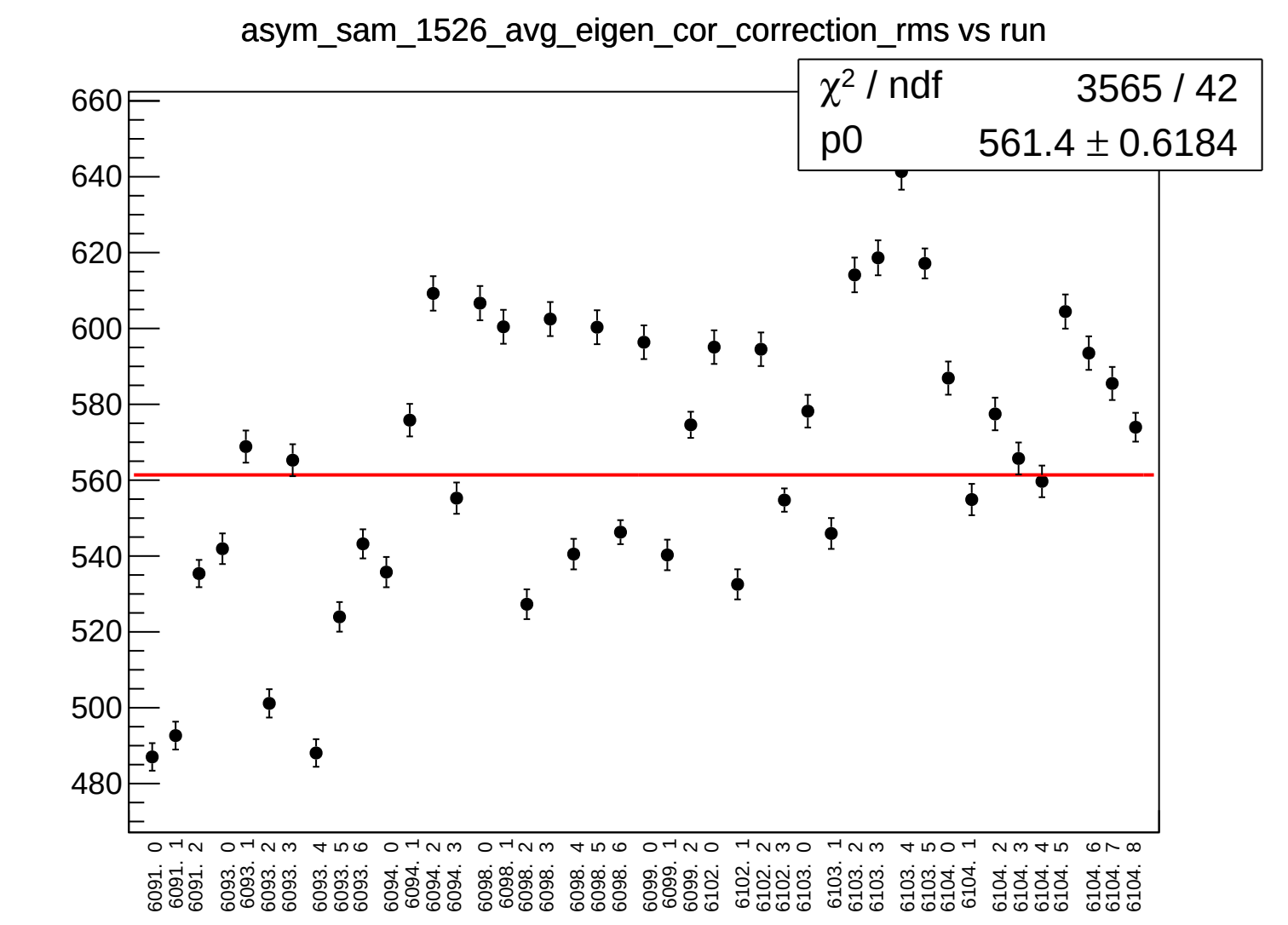
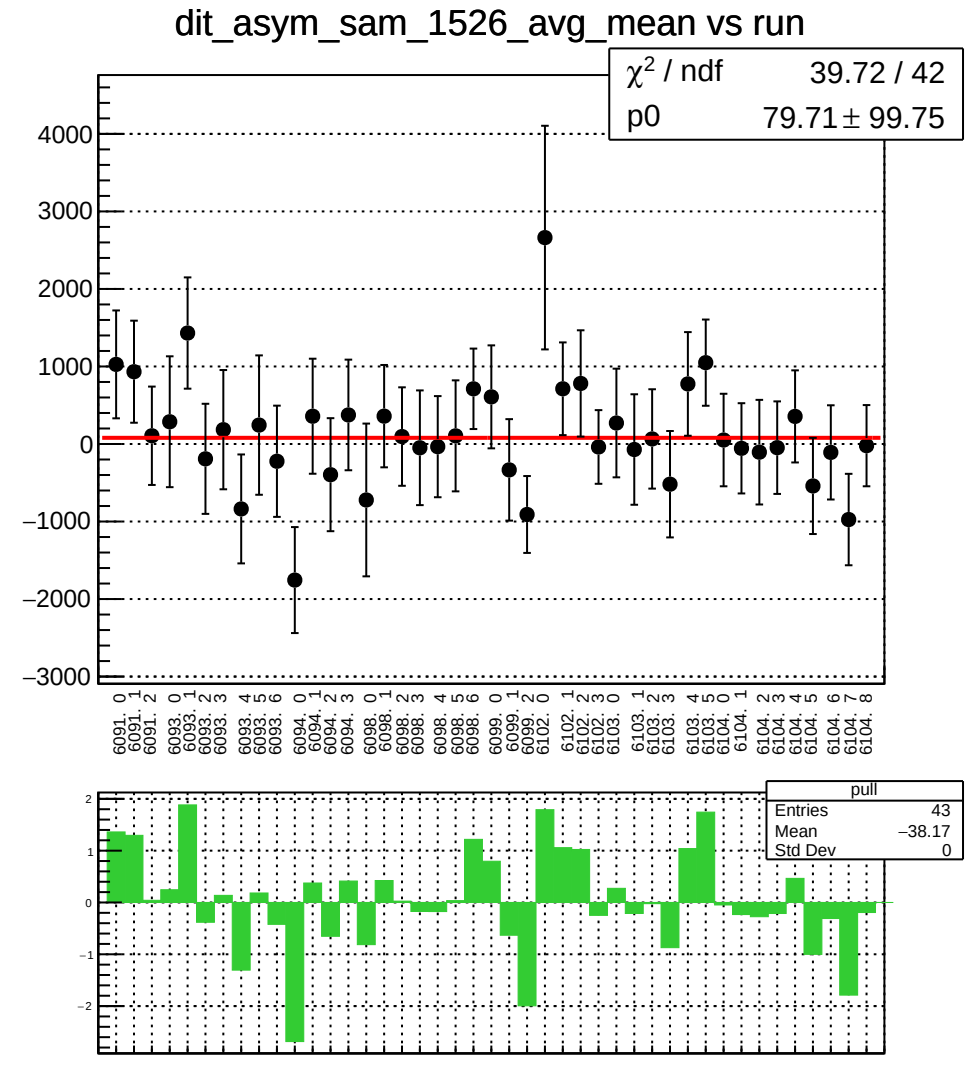
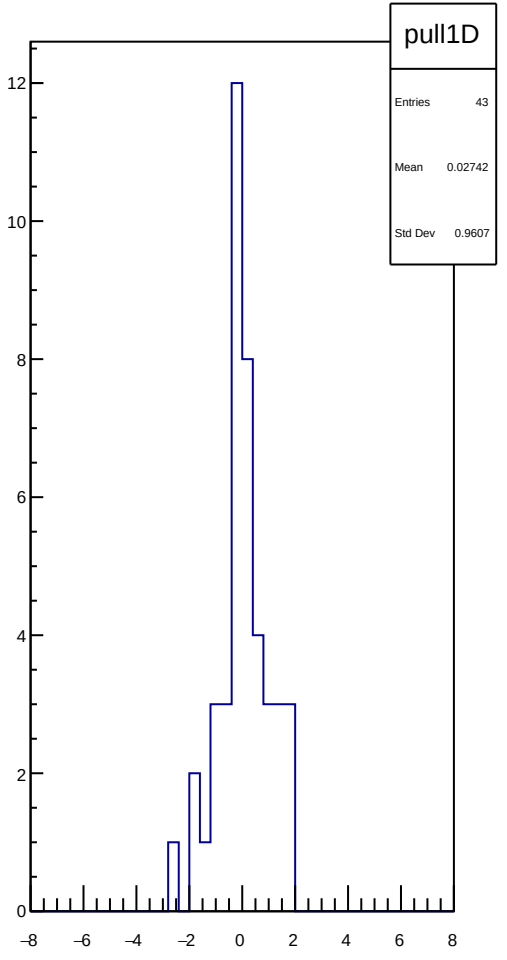
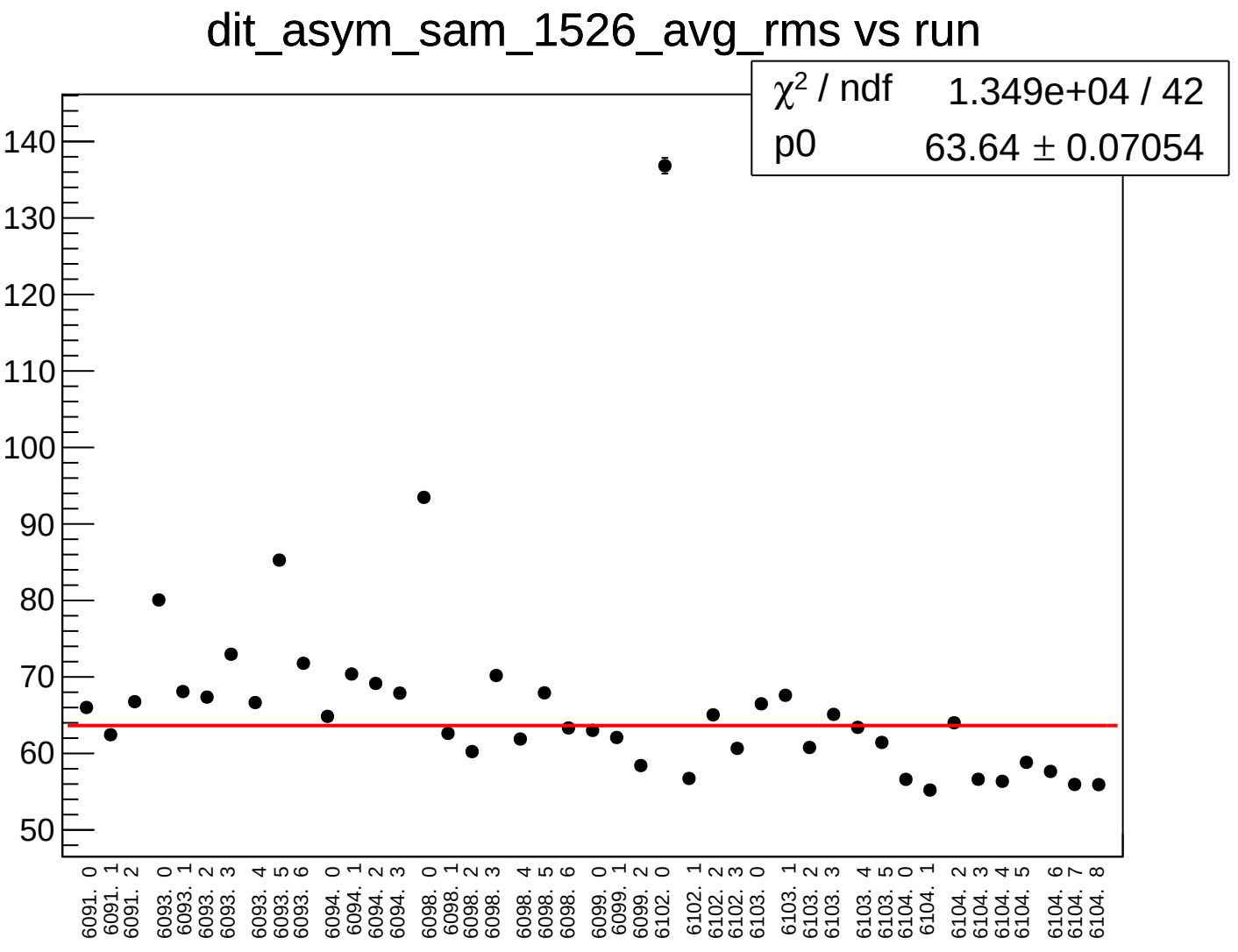
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

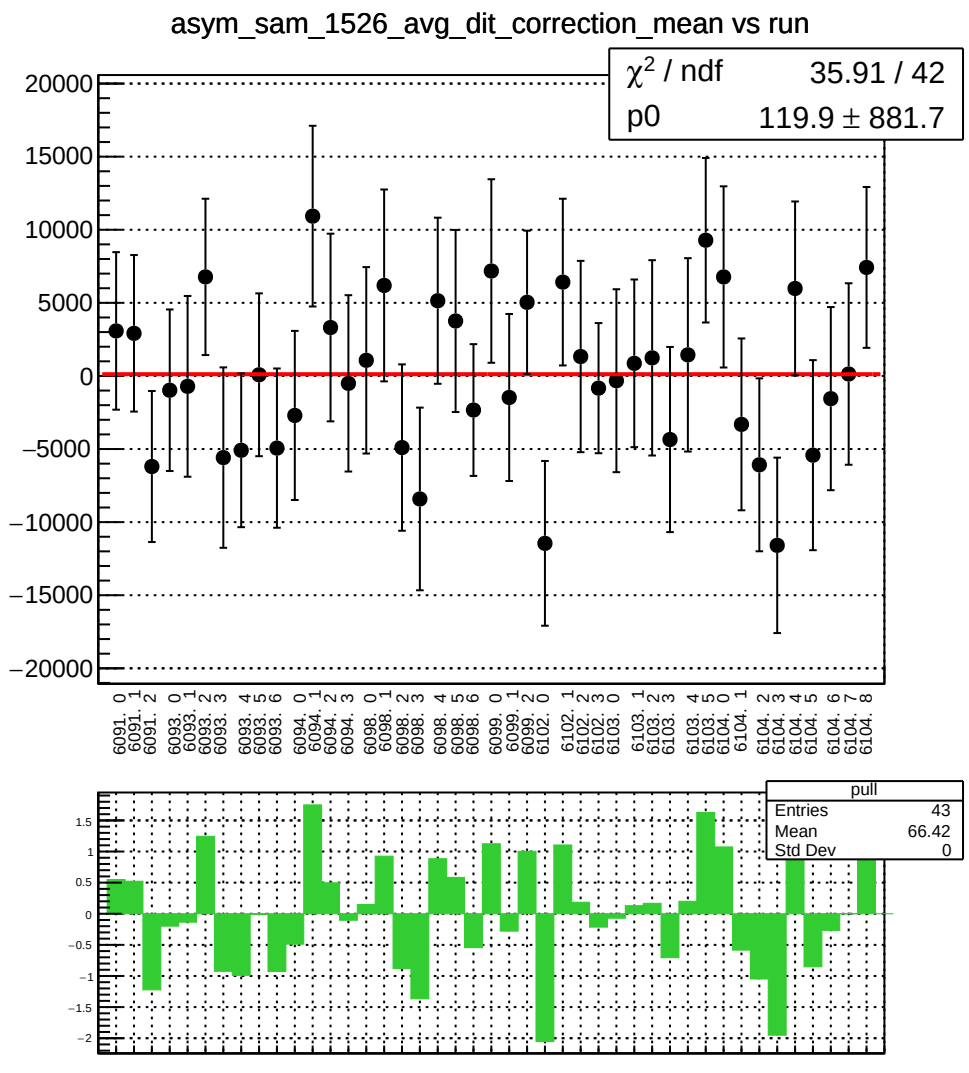

asym_sam_1526_avg_eigen_cor_correction_mean vs run
χ² / ndf 35.54 / 42
p0 172.5 ± 874.6
20000
15000
10000
5000
0
−5000
−10000
−15000
−20000
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean −124.5
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 43
Mean −0.001351
Std Dev 0.9091
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

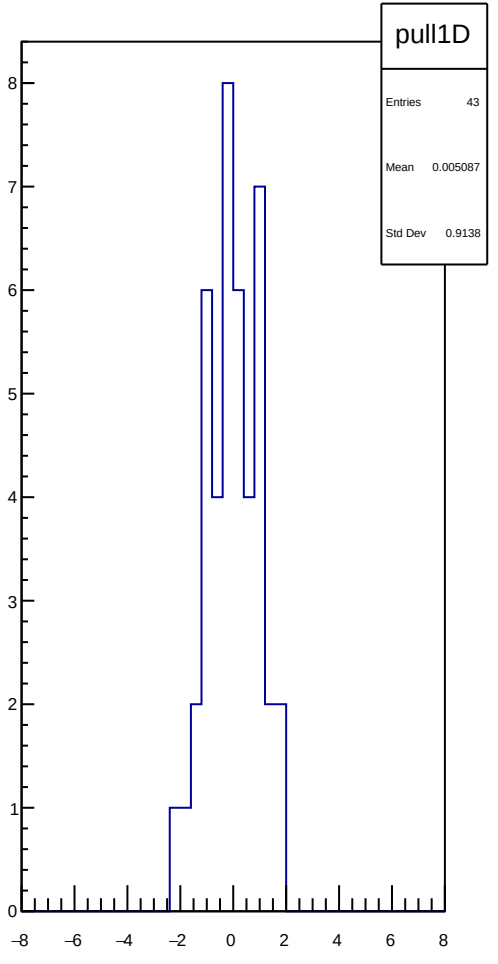

asym_sam_1526_avg_eigen_cor_correction_rms vs run
χ² / ndf 3565 / 42
p0 561.4 ± 0.6184
660
640
620
600
580
560
540
520
500
480
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

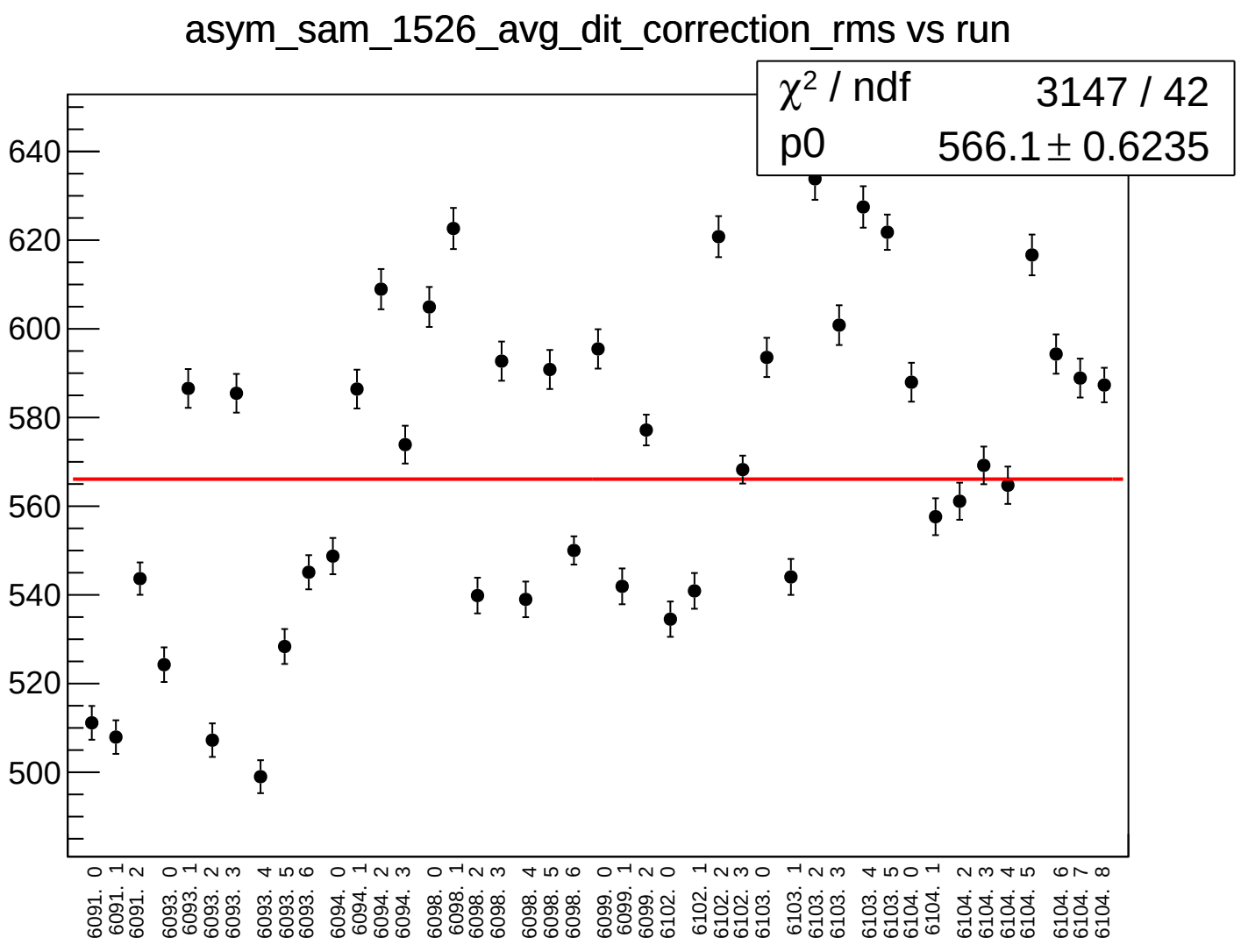

dit_asym_sam_1526_avg_mean vs run
χ² / ndf 39.72 / 42
p0 79.71 ± 99.75
4000
3000
2000
1000
0
−1000
−2000
−3000
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean −38.17
Std Dev 0
2
1
0
−1
−2

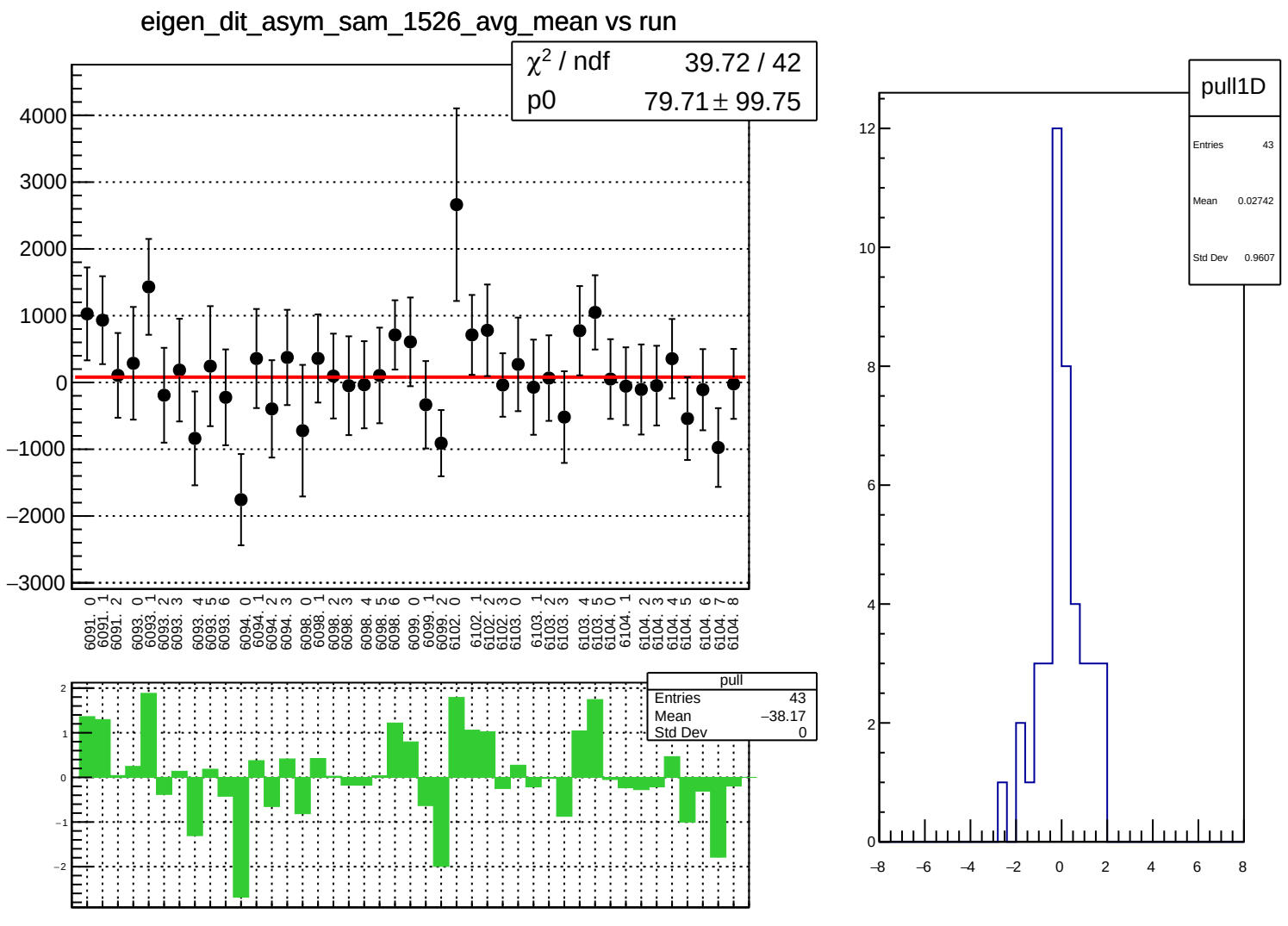

pull1D
Entries 43
Mean 0.02742
Std Dev 0.9607
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

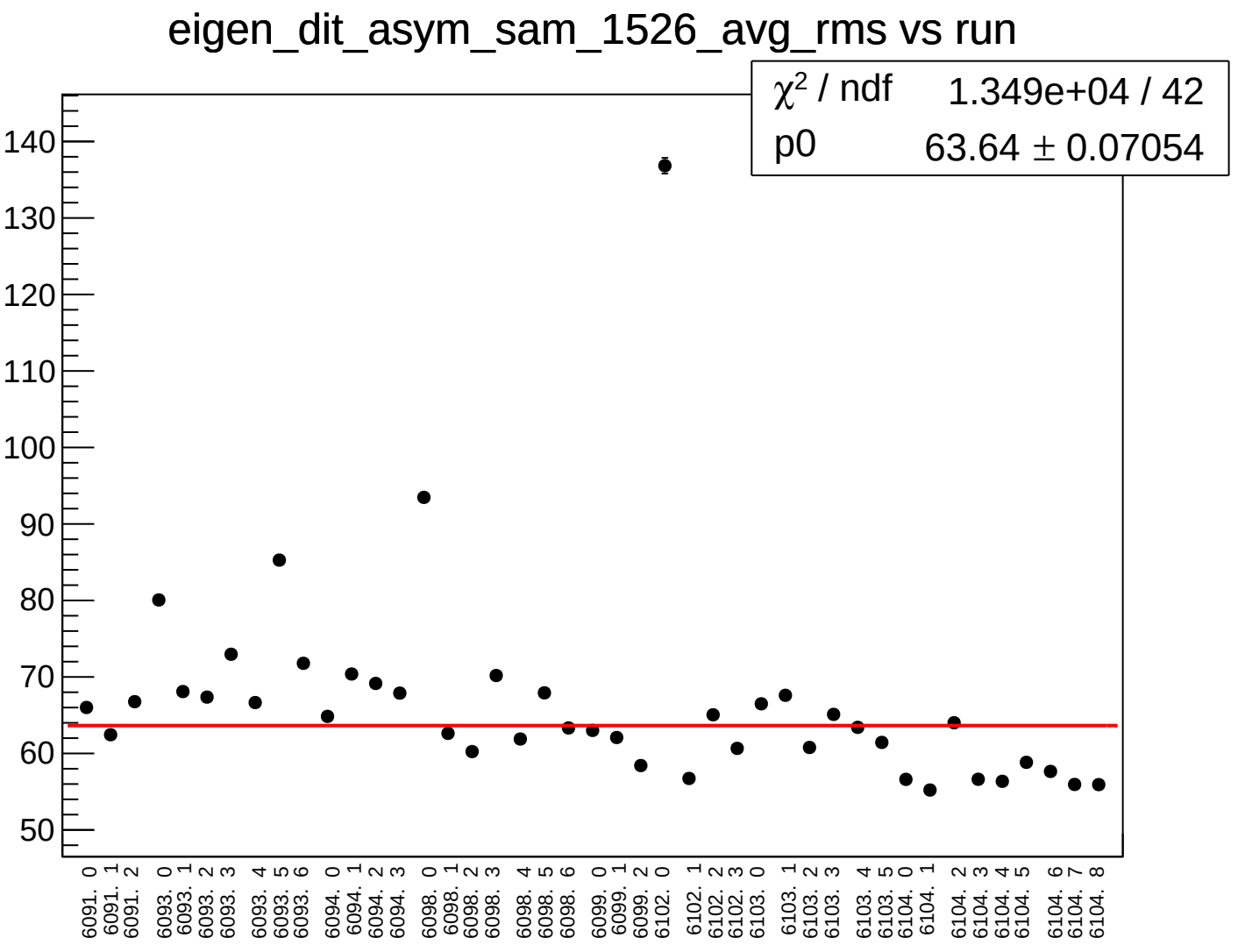

dit_asym_sam_1526_avg_rms vs run
χ² / ndf 1.349e+04 / 42
p0 63.64 ± 0.07054
140
130
120
110
100
90
80
70
60
50
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

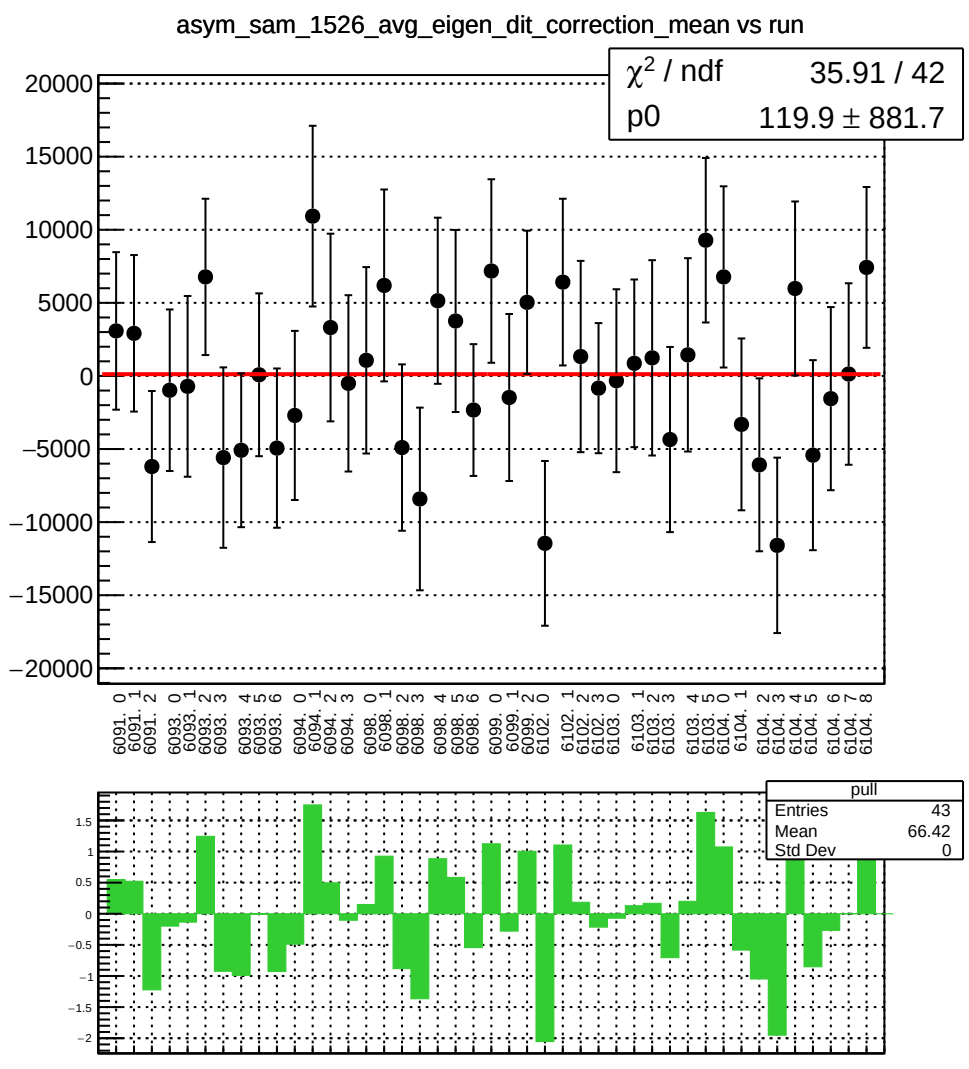

asym_sam_1526_avg_dit_correction_mean vs run
χ² / ndf 35.91 / 42
p0 119.9 ± 881.7
20000
15000
10000
5000
0
−5000
−10000
−15000
−20000
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 66.42
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2

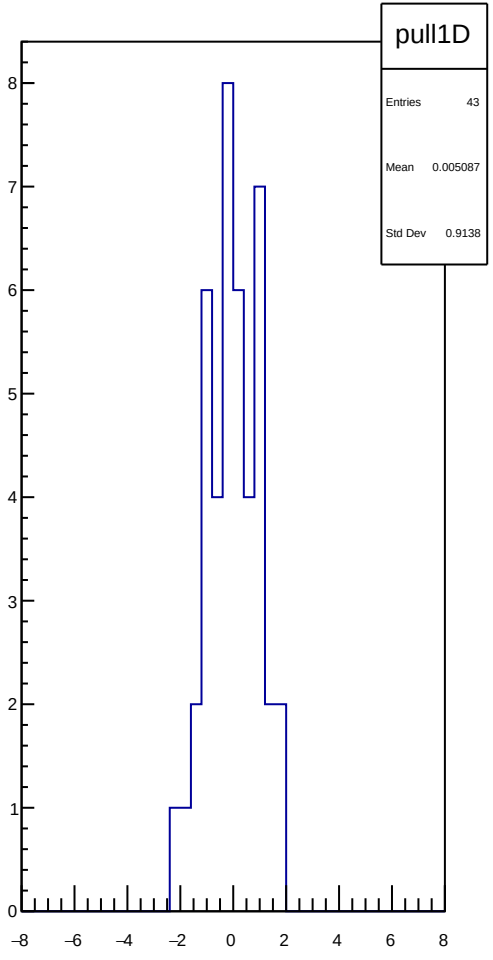

pull1D
Entries 43
Mean 0.005087
Std Dev 0.9138
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

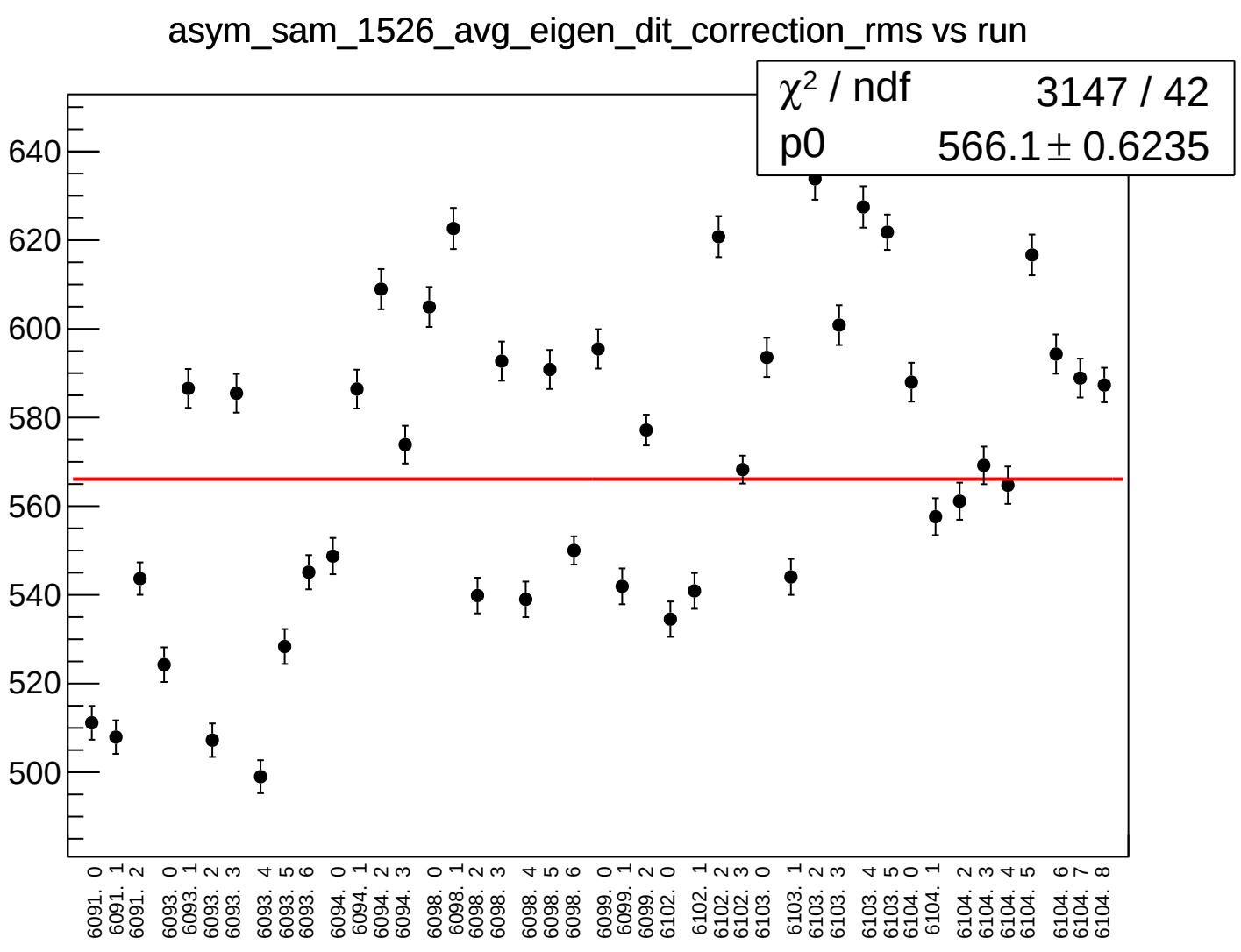

asym_sam_1526_avg_dit_correction_rms vs run
χ² / ndf 3147 / 42
p0 566.1 ± 0.6235
640
620
600
580
560
540
520
500
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8


eigen_dit_asym_sam_1526_avg_mean vs run
χ² / ndf 39.72 / 42
p0 79.71 ± 99.75
4000
3000
2000
1000
0
−1000
−2000
−3000
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean −38.17
Std Dev 0
2
1
0
−1
−2
pull1D
Entries 43
Mean 0.02742
Std Dev 0.9607
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


eigen_dit_asym_sam_1526_avg_rms vs run
χ² / ndf 1.349e+04 / 42
p0 63.64 ± 0.07054
140
130
120
110
100
90
80
70
60
50
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8


asym_sam_1526_avg_eigen_dit_correction_mean vs run
χ² / ndf 35.91 / 42
p0 119.9 ± 881.7
20000
15000
10000
5000
0
−5000
−10000
−15000
−20000
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 66.42
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2


pull1D
Entries 43
Mean 0.005087
Std Dev 0.9138
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


asym_sam_1526_avg_eigen_dit_correction_rms vs run
χ² / ndf 3147 / 42
p0 566.1 ± 0.6235
640
620
600
580
560
540
520
500
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
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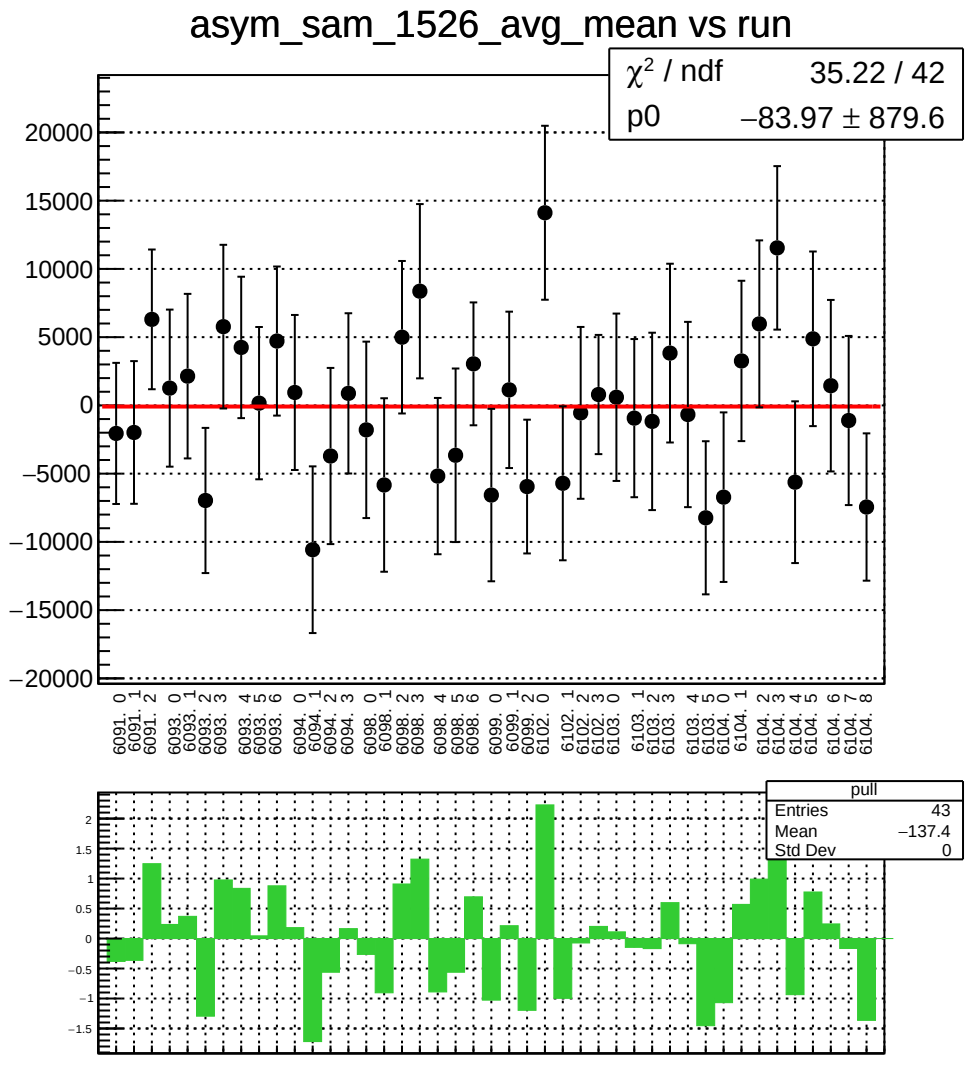
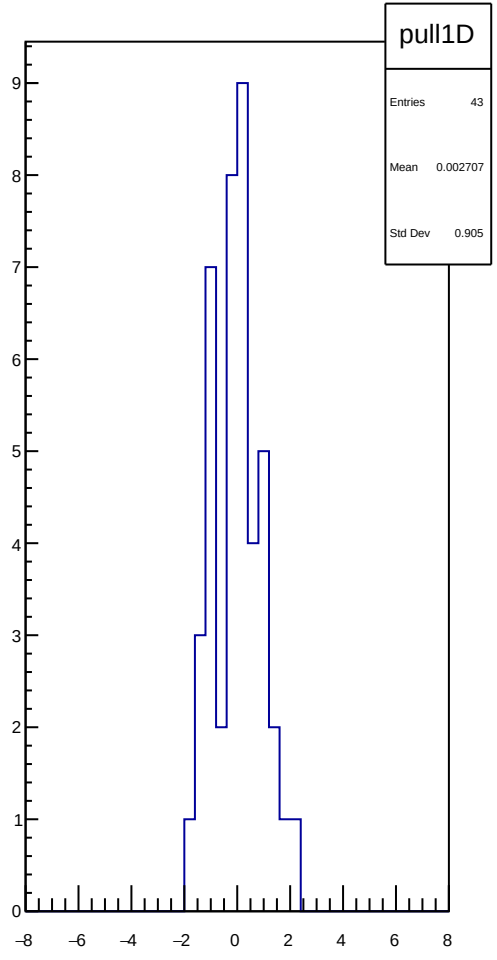
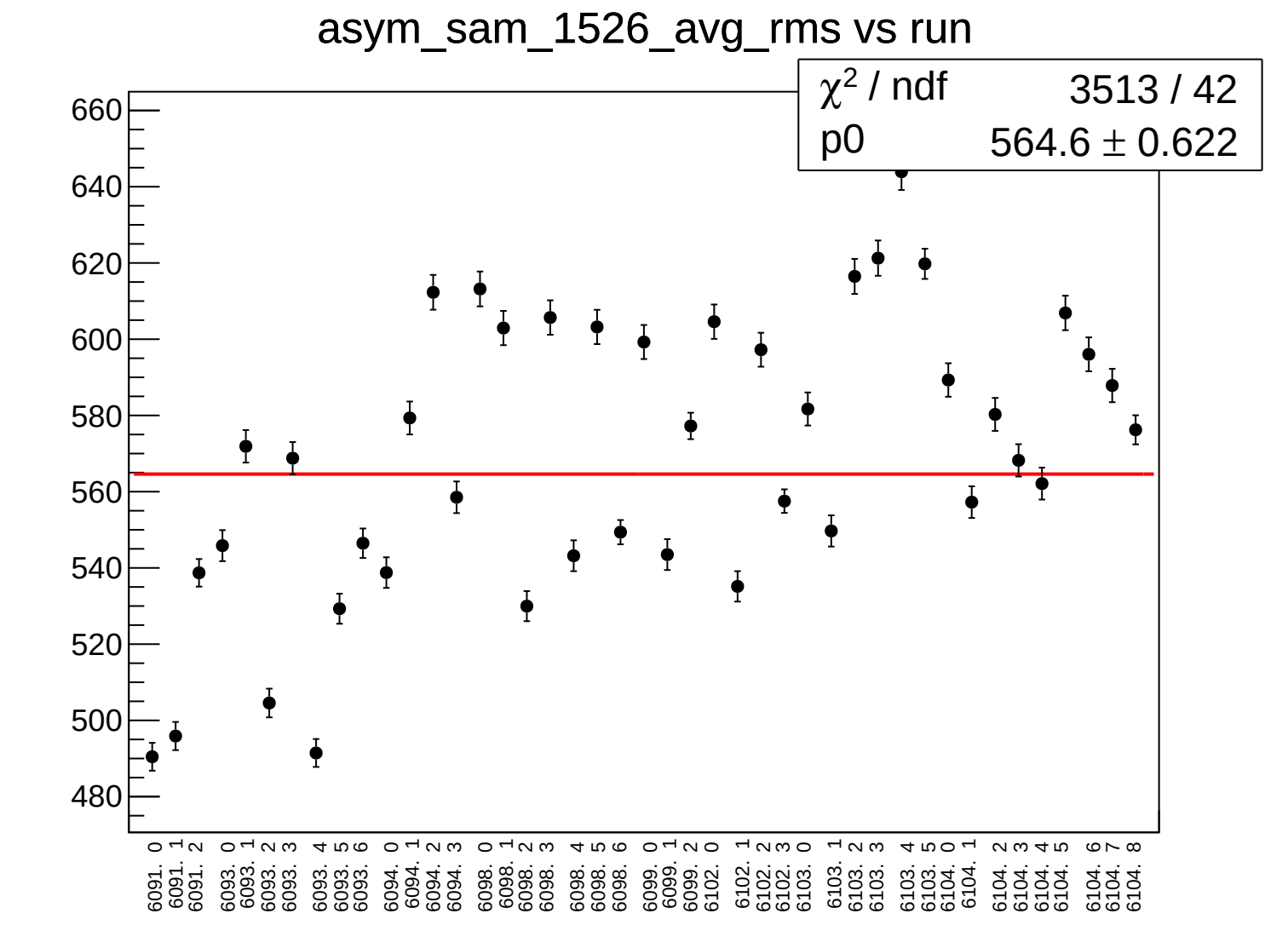
6104. 6
6104. 7
6104. 8


asym_sam_1526_avg_mean vs run
χ² / ndf 35.22 / 42
p0 −83.97 ± 879.6
20000
15000
10000
5000
0
−5000
−10000
−15000
−20000
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean −137.4
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5


pull1D
Entries 43
Mean 0.002707
Std Dev 0.905
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 3513 / 42
p0 564.6 ± 0.622
660
640
620
600
580
560
540
520
500
480
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
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6104. 4
6104. 5
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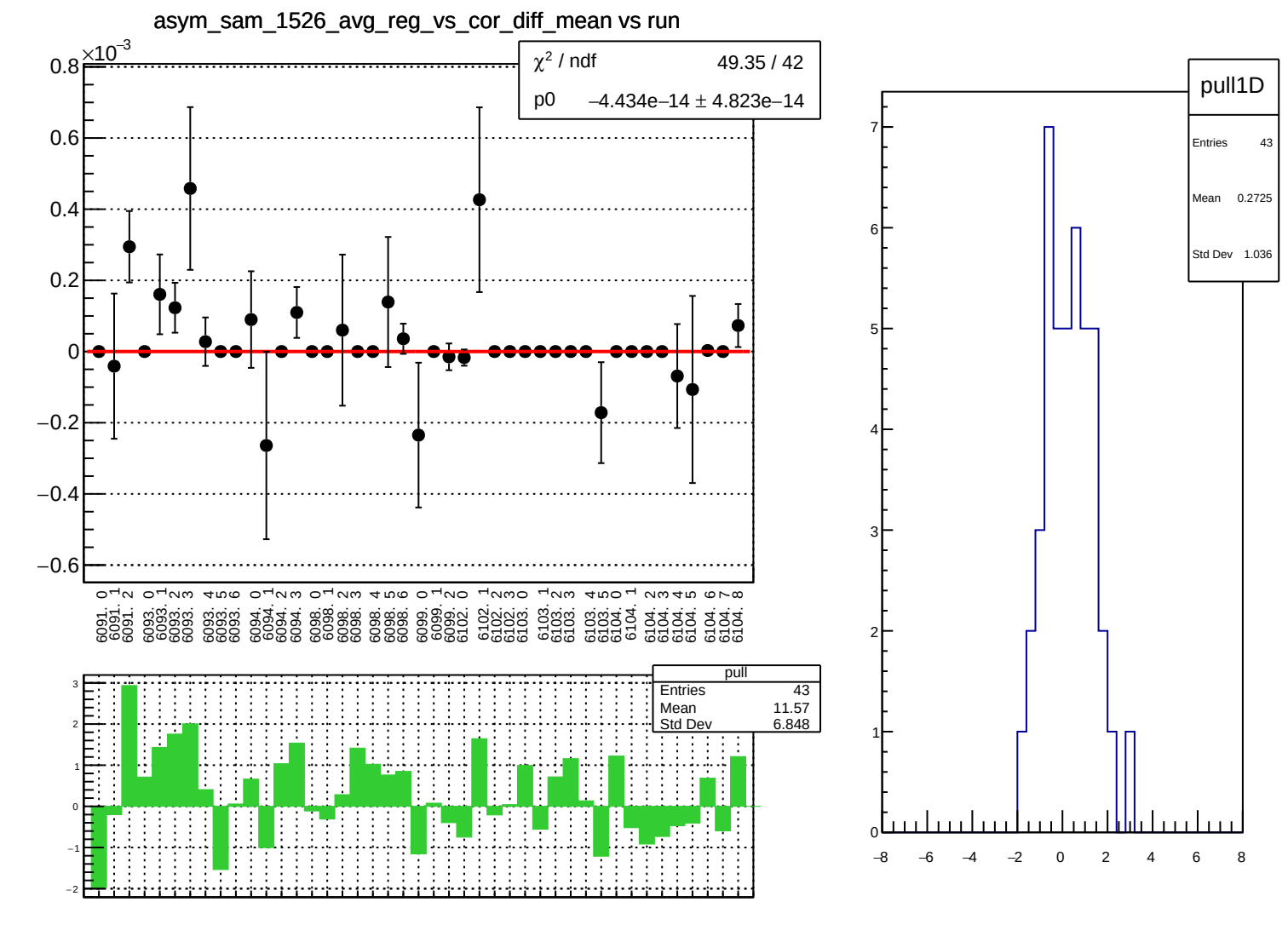
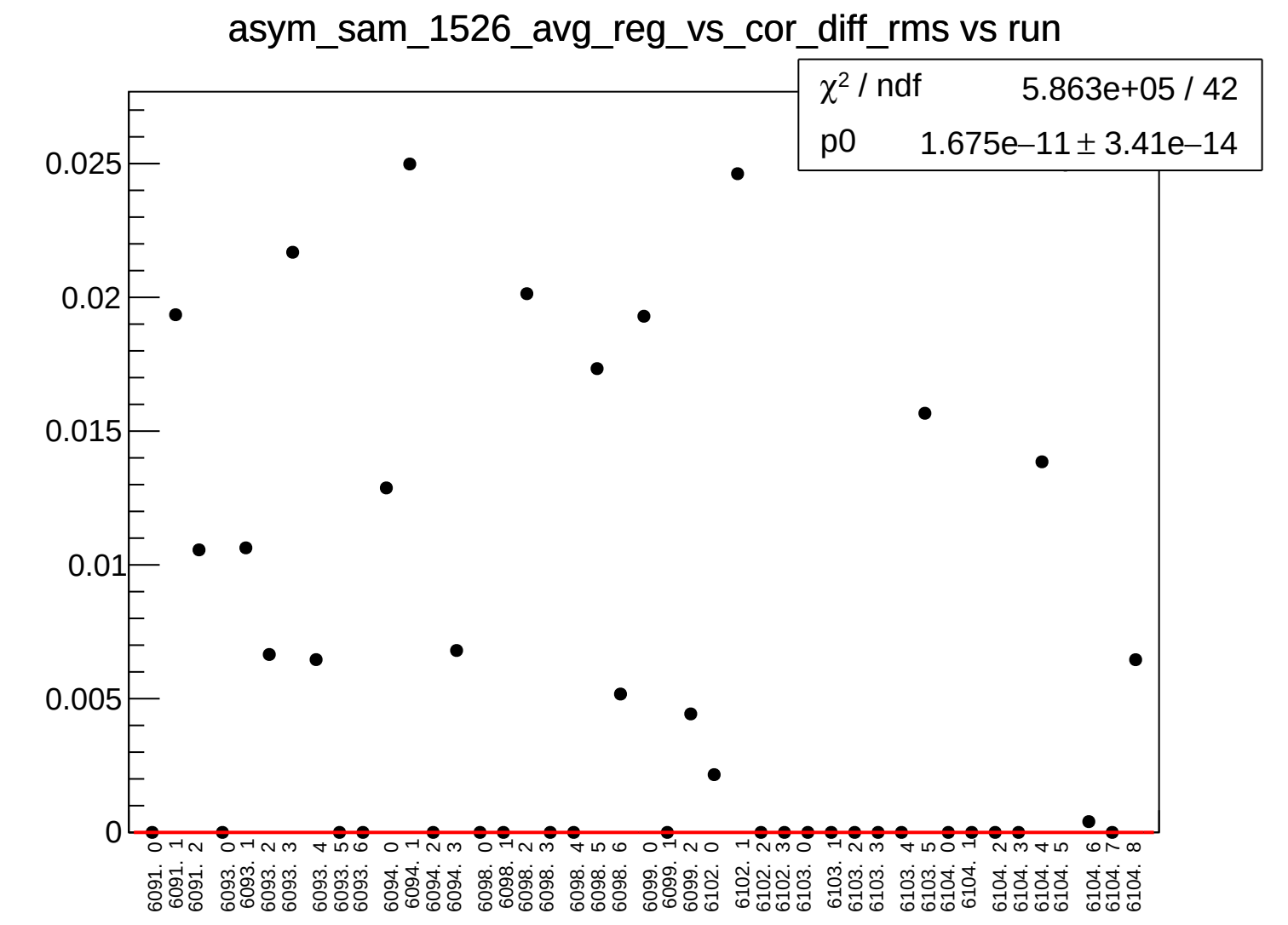
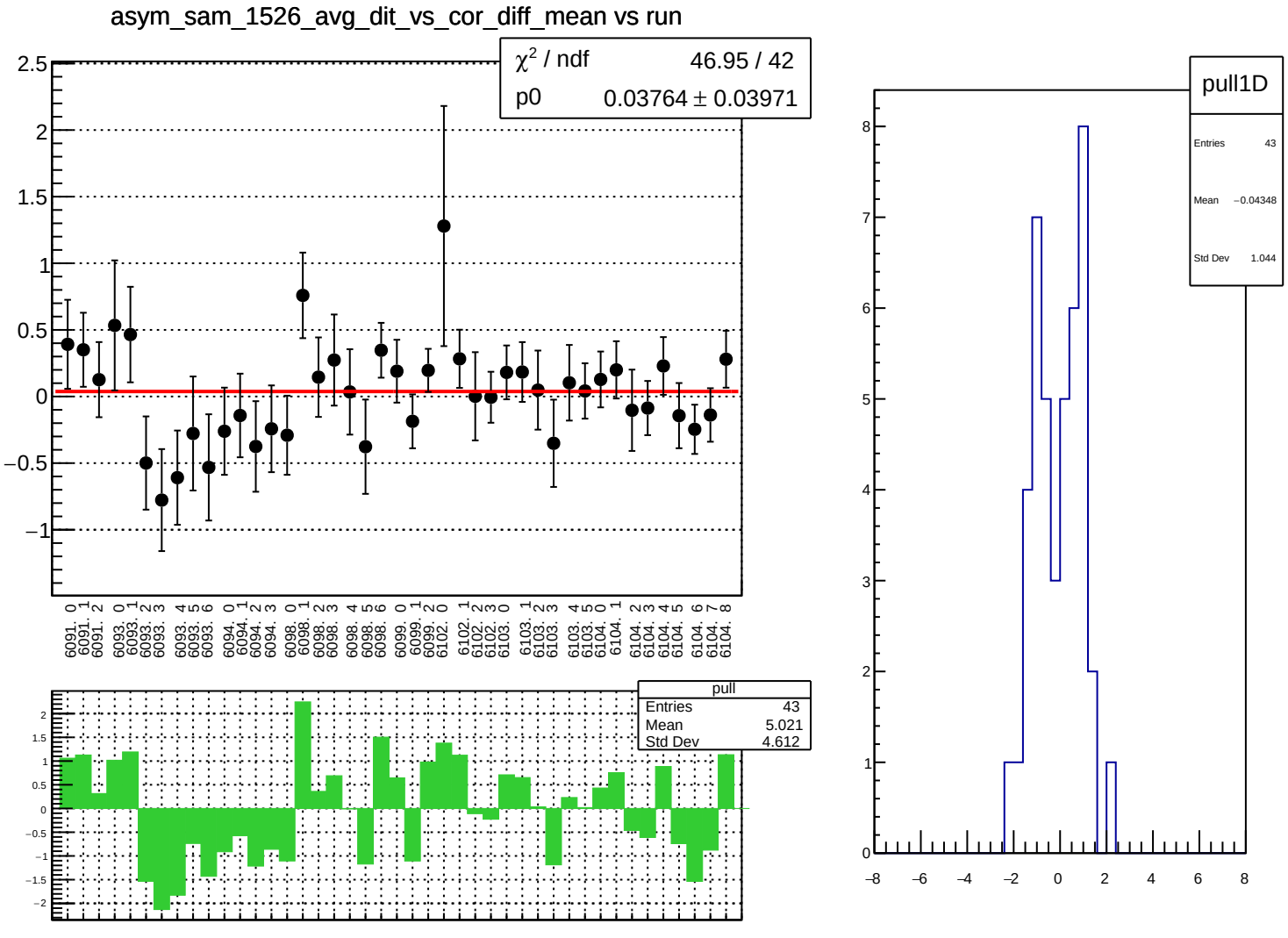
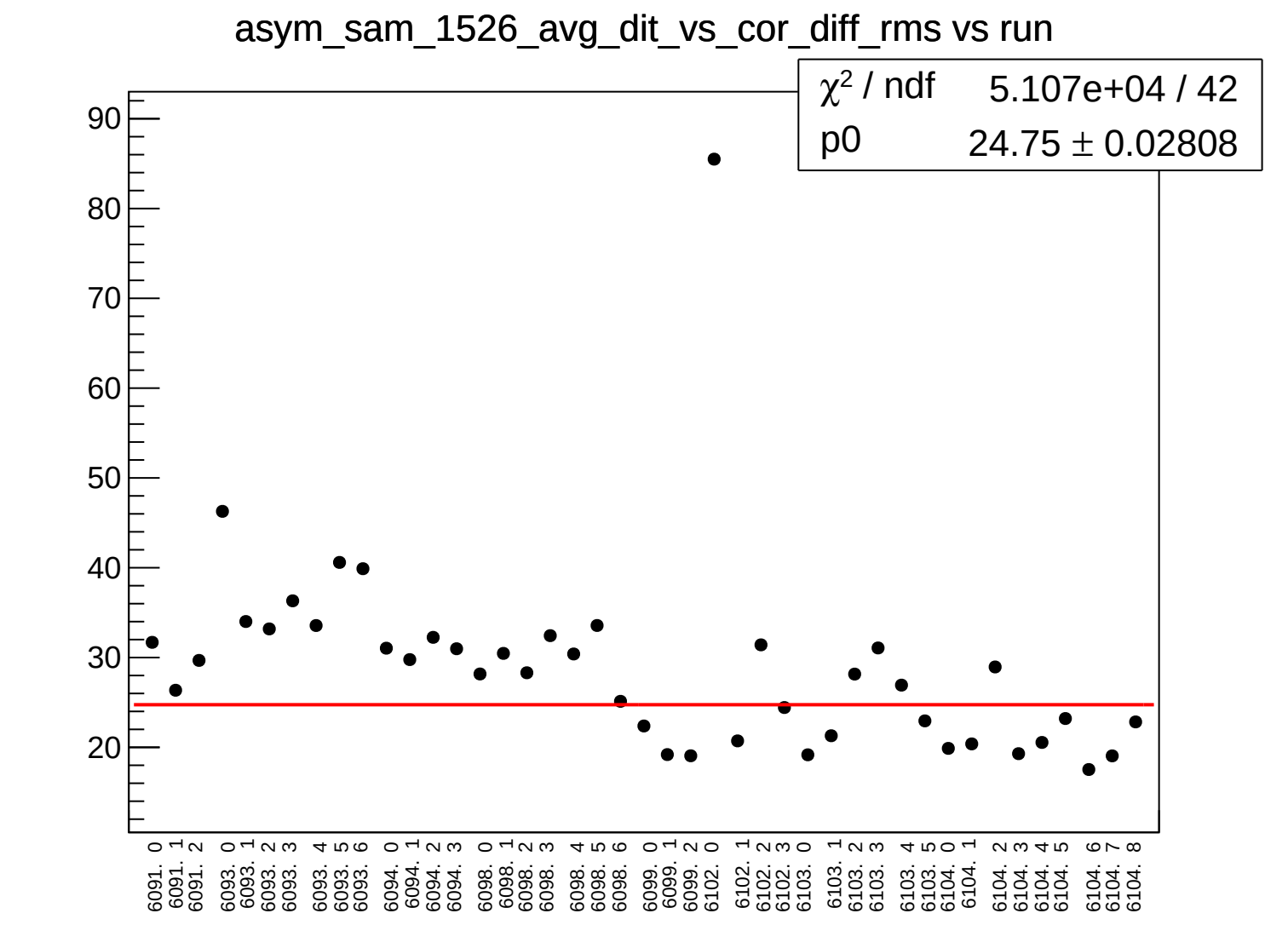
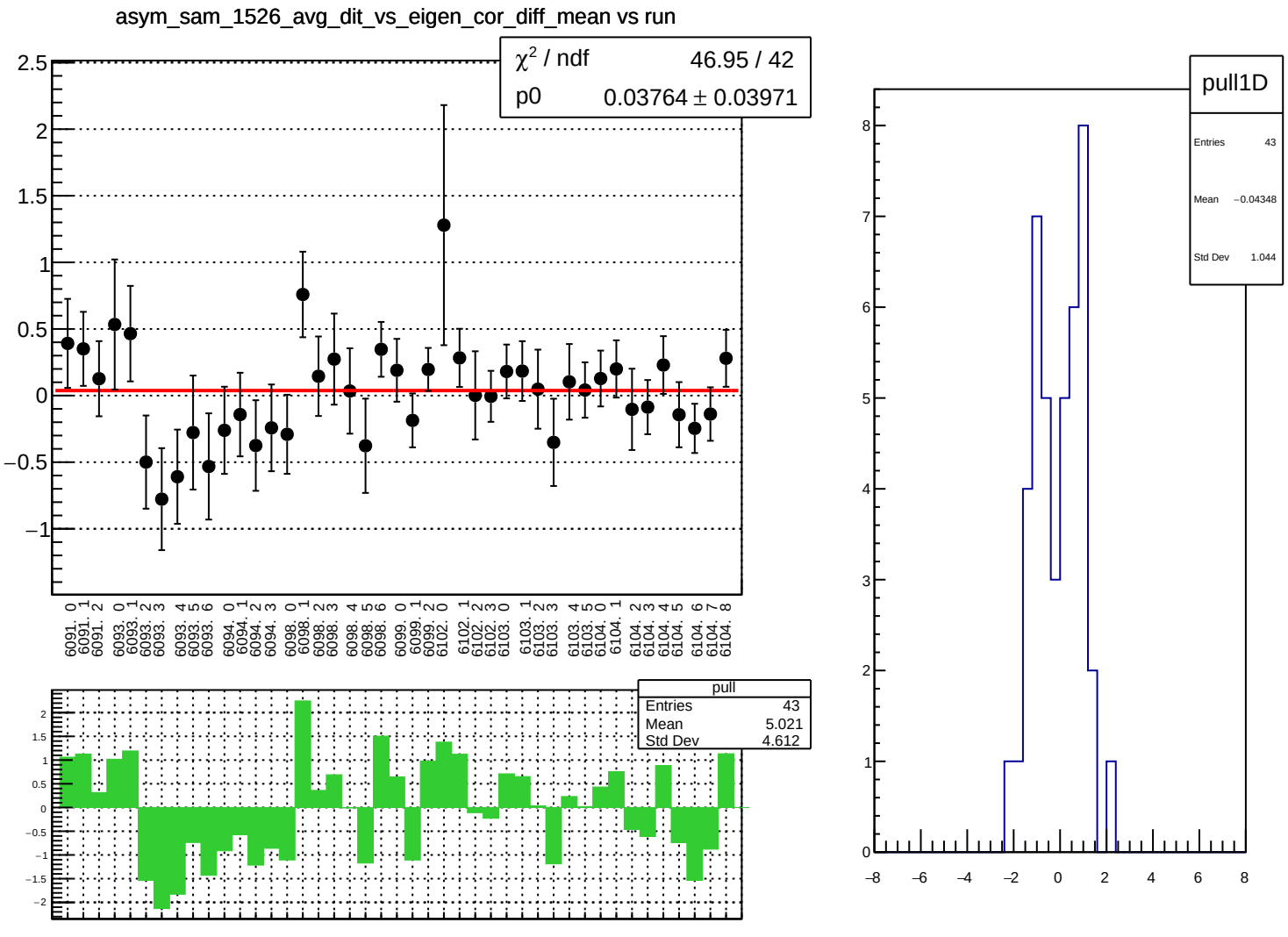
6104. 7
6104. 8

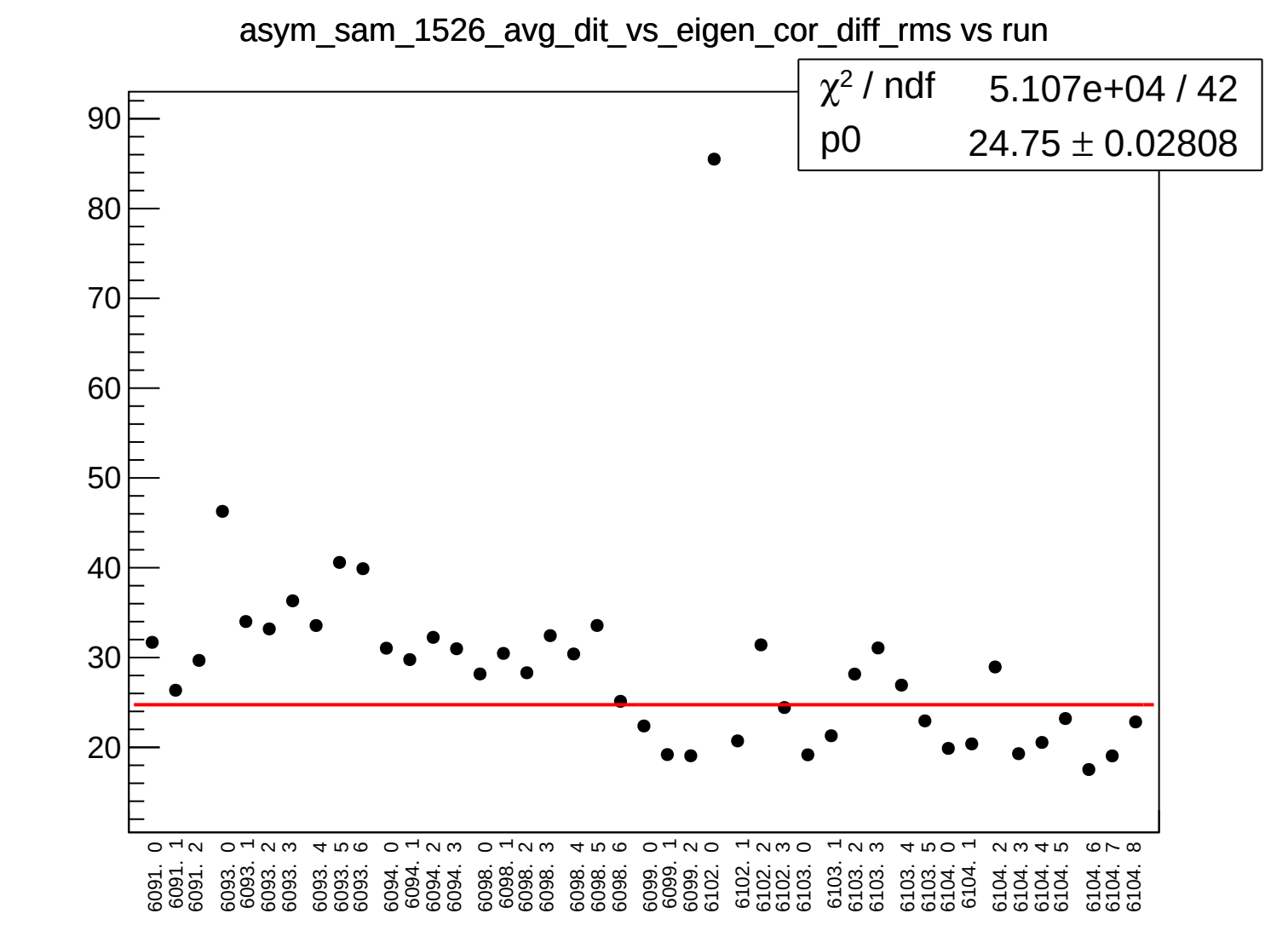

asym_sam_1526_avg_reg_vs_cor_diff_mean vs run
×10⁻³
χ² / ndf 49.35 / 42
p0 −4.434e−14 ± 4.823e−14
pull
Entries 43
Mean 11.57
Std Dev 6.848
pull1D
Entries 43
Mean 0.2725
Std Dev 1.036

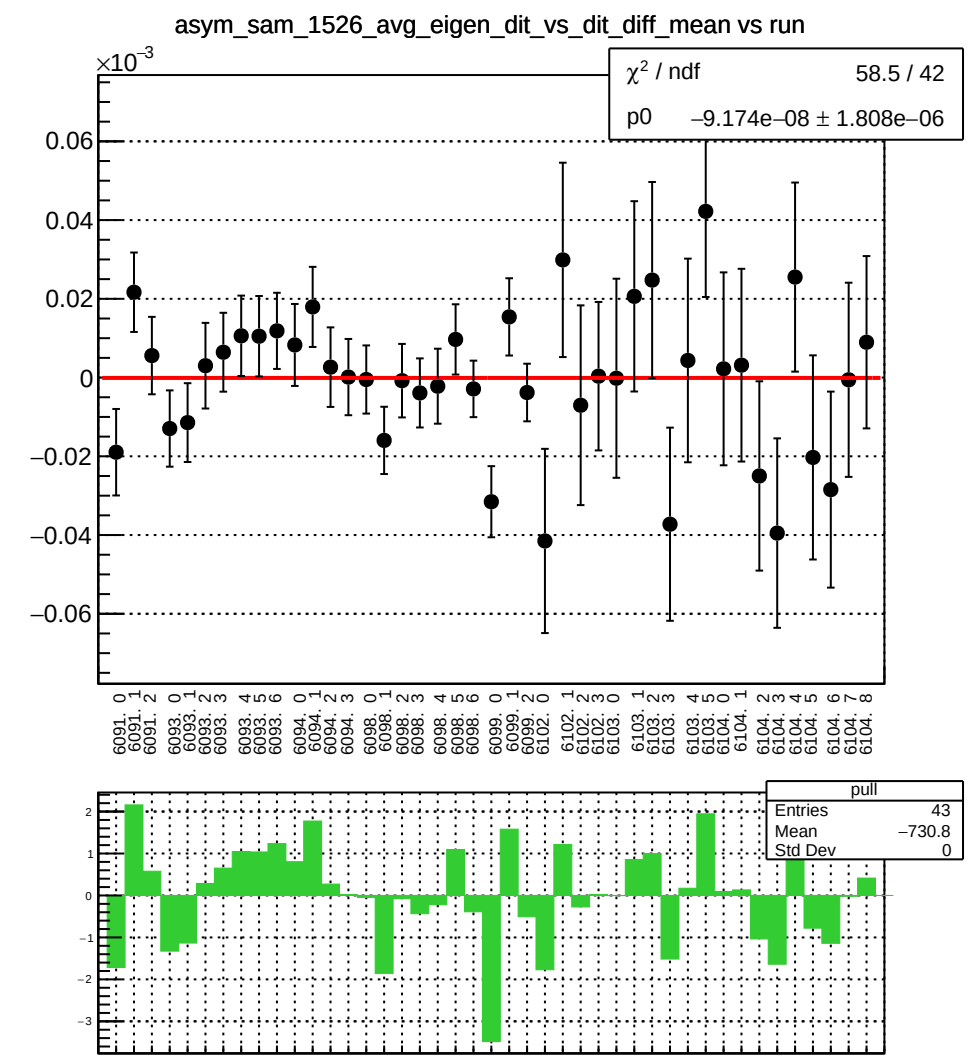

asym_sam_1526_avg_reg_vs_cor_diff_rms vs run
χ² / ndf 5.863e+05 / 42
p0 1.675e−11 ± 3.41e−14
0.025
0.02
0.015
0.01
0.005
0
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

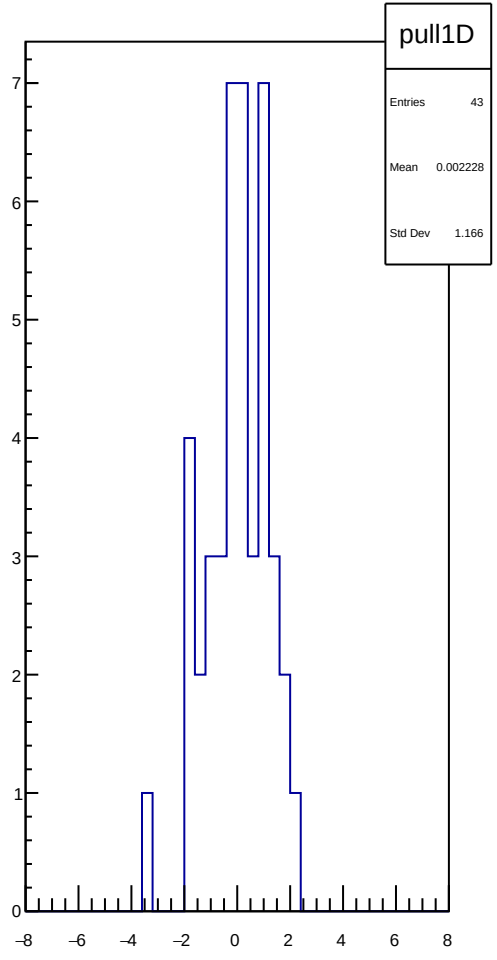

asym_sam_1526_avg_dit_vs_cor_diff_mean vs run
χ² / ndf 46.95 / 42
p0 0.03764 ± 0.03971
pull
Entries 43
Mean 5.021
Std Dev 4.612
pull1D
Entries 43
Mean −0.04348
Std Dev 1.044

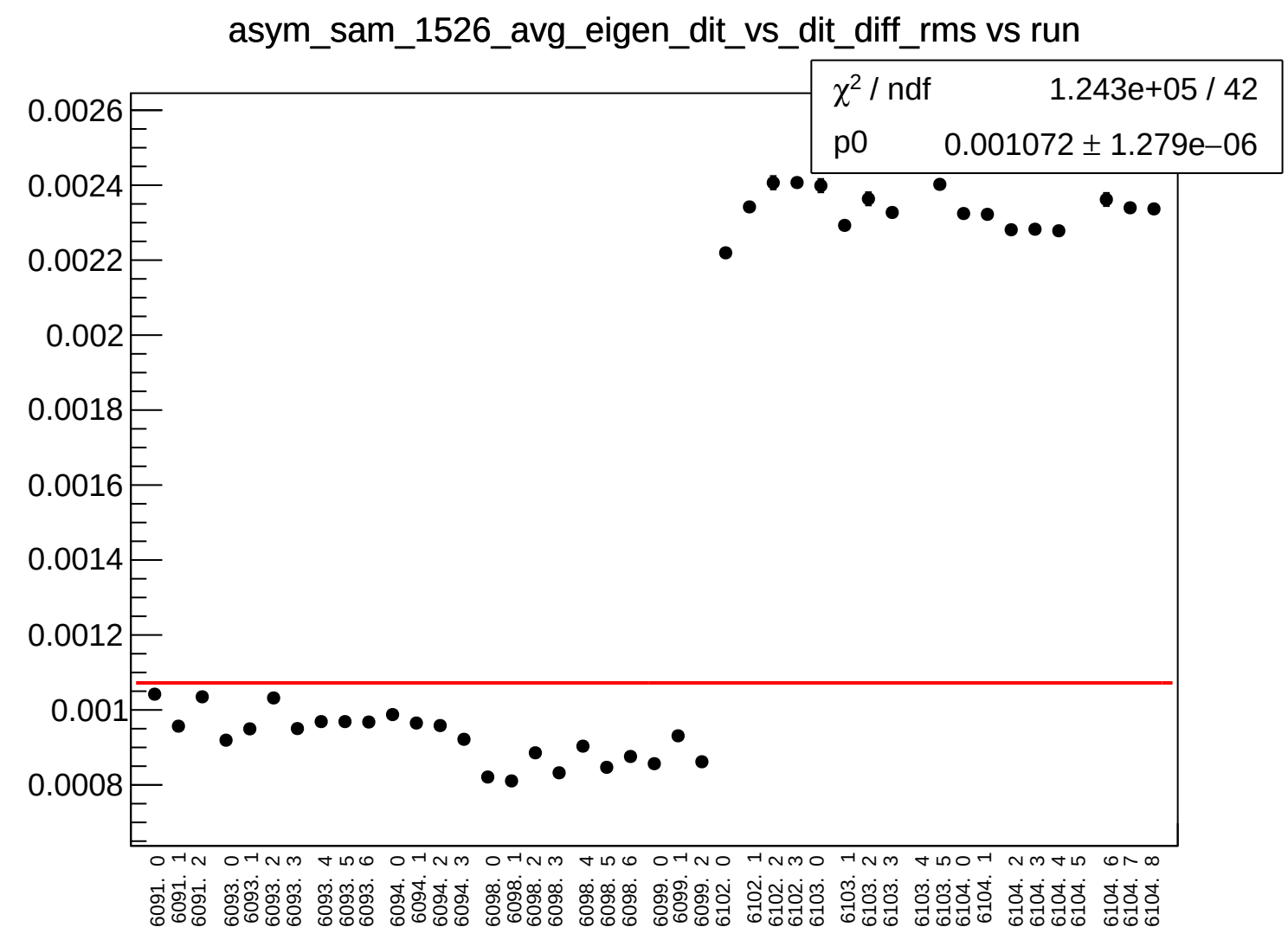

asym_sam_1526_avg_dit_vs_cor_diff_rms vs run
χ^2 / ndf 5.107e+04 / 42
p0 24.75 ± 0.02808
90
80
70
60
50
40
30
20
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

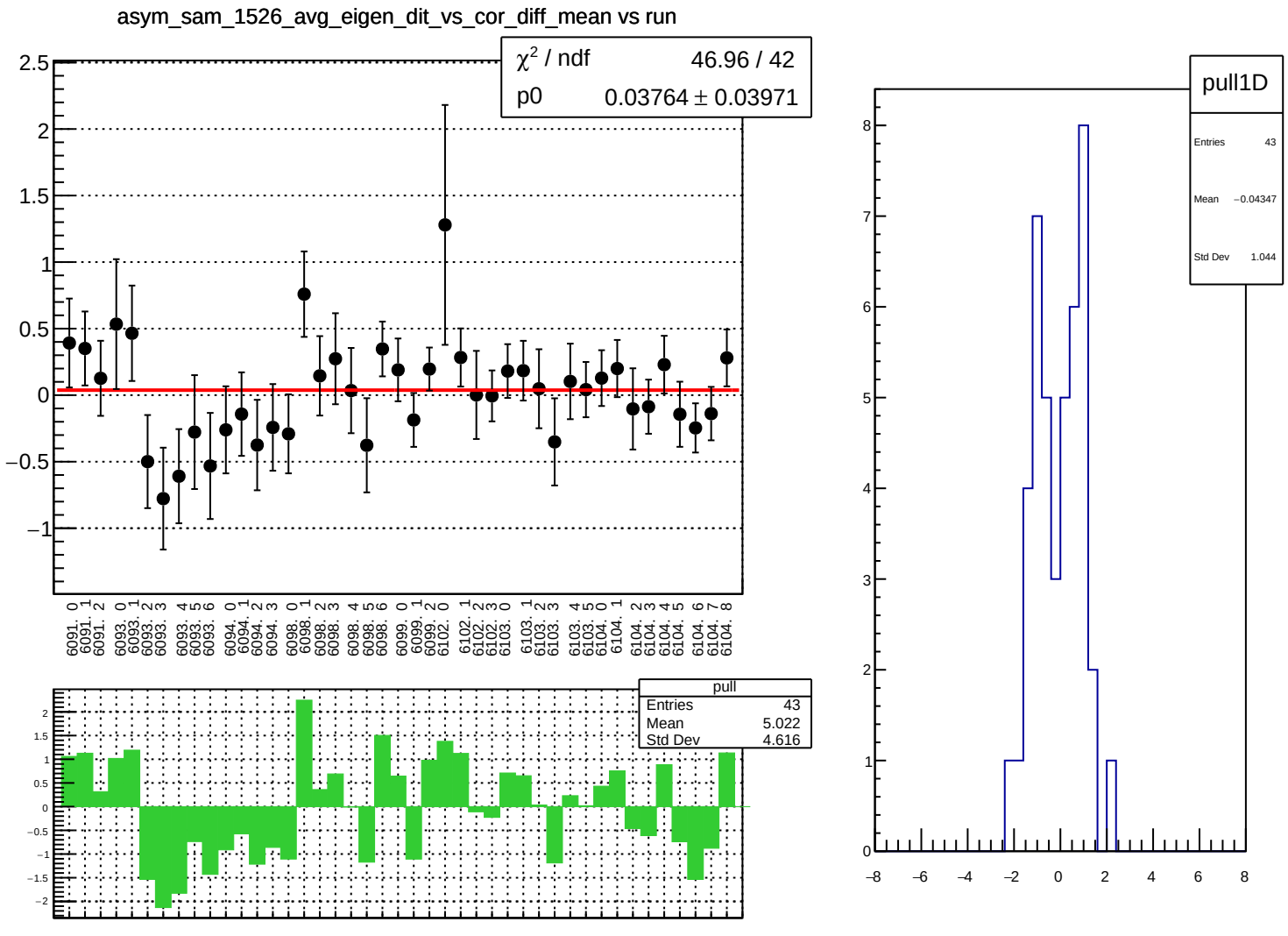

asym_sam_1526_avg_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 46.95 / 42
p0 0.03764 ± 0.03971
2.5
2
1.5
1
0.5
0
−0.5
−1
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 5.021
Std Dev 4.612
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 43
Mean −0.04348
Std Dev 1.044
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

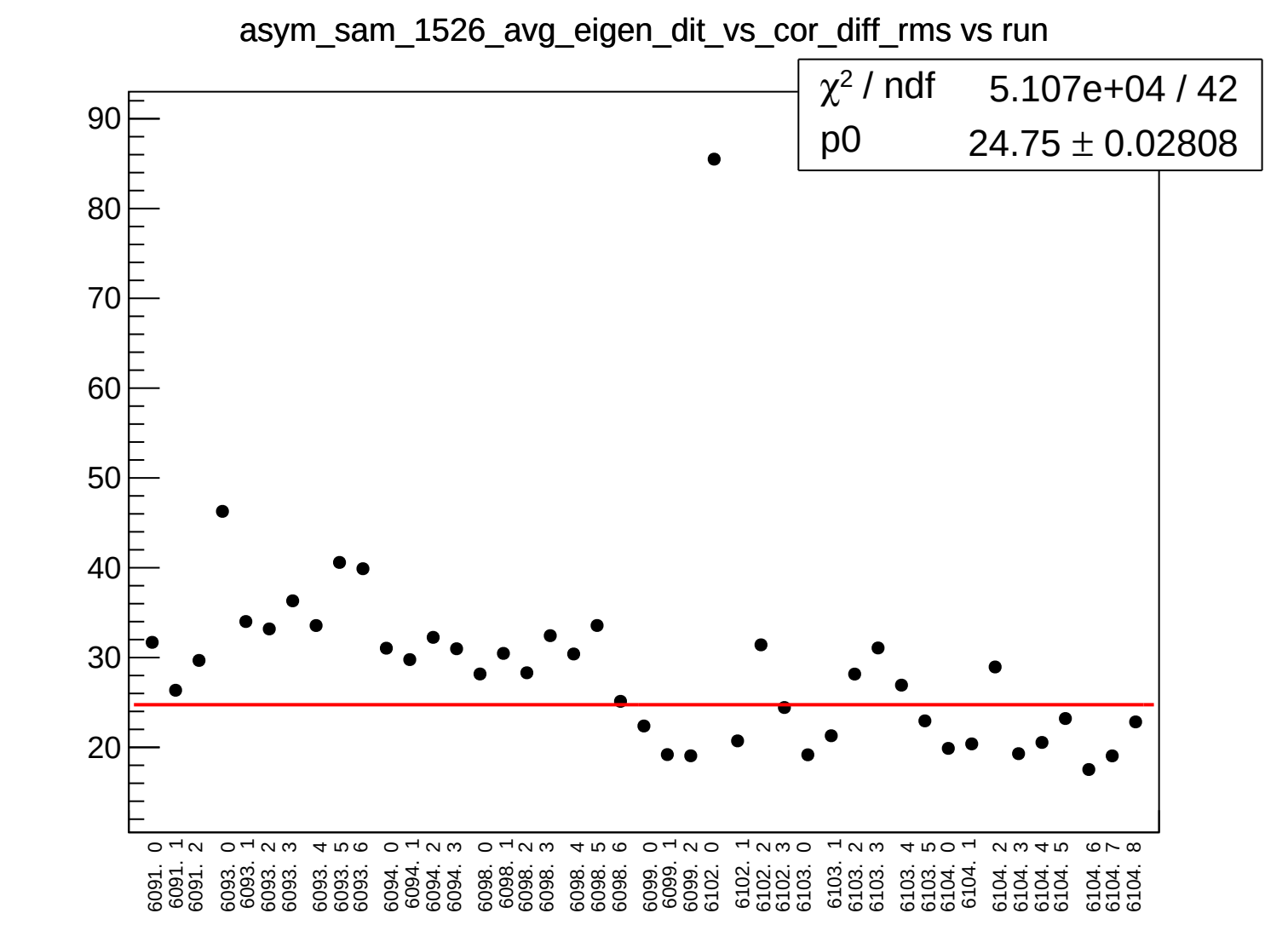

asym_sam_1526_avg_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 5.107e+04 / 42
p0 24.75 ± 0.02808
90
80
70
60
50
40
30
20
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

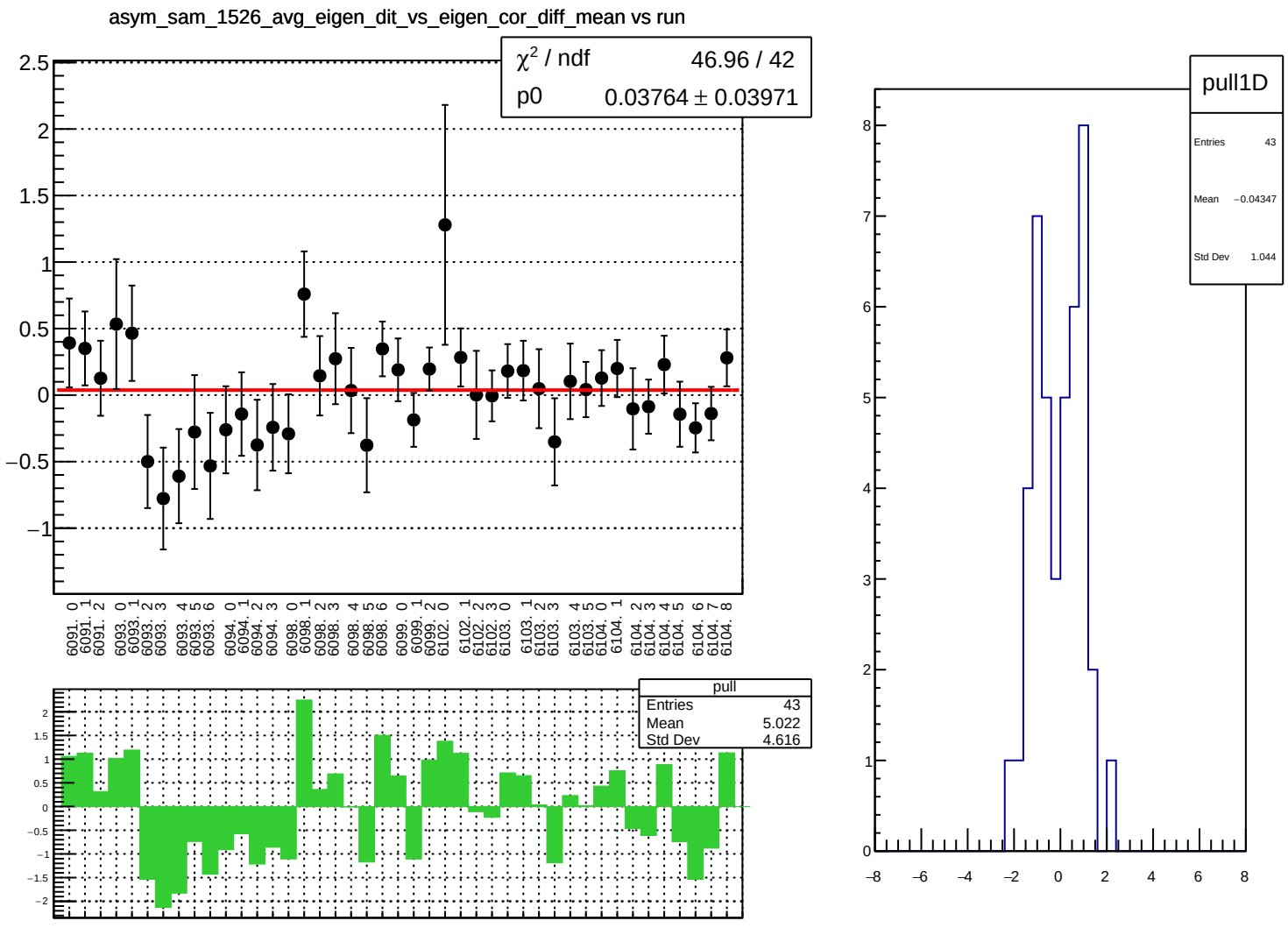

asym_sam_1526_avg_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 58.5 / 42
p0 −9.174e−08 ± 1.808e−06
0.06
0.04
0.02
0
−0.02
−0.04
−0.06
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean −730.8
Std Dev 0
2
1
0
−1
−2
−3

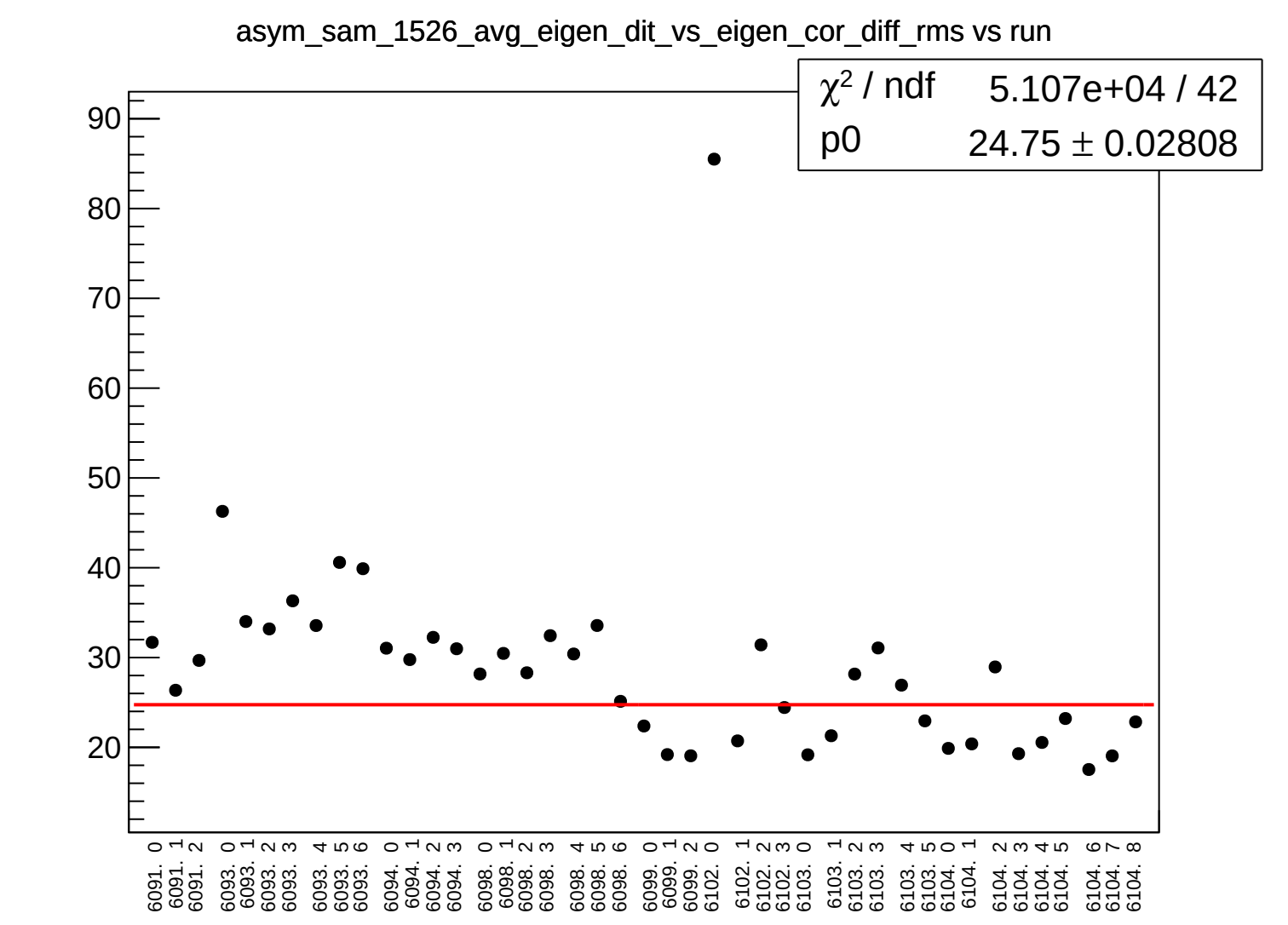

pull1D
Entries 43
Mean 0.002228
Std Dev 1.166
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

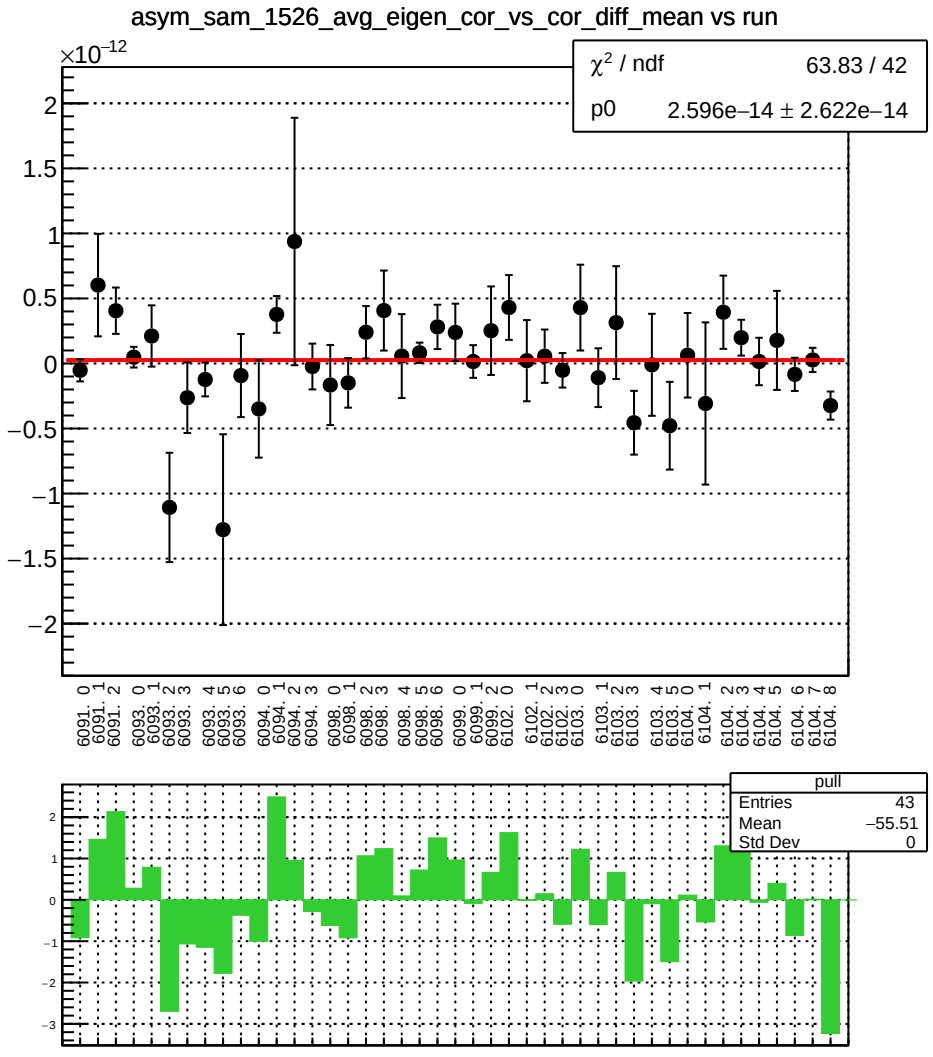

asym_sam_1526_avg_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 1.243e+05 / 42
p0 0.001072 ± 1.279e−06
0.0026
0.0024
0.0022
0.002
0.0018
0.0016
0.0014
0.0012
0.001
0.0008
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

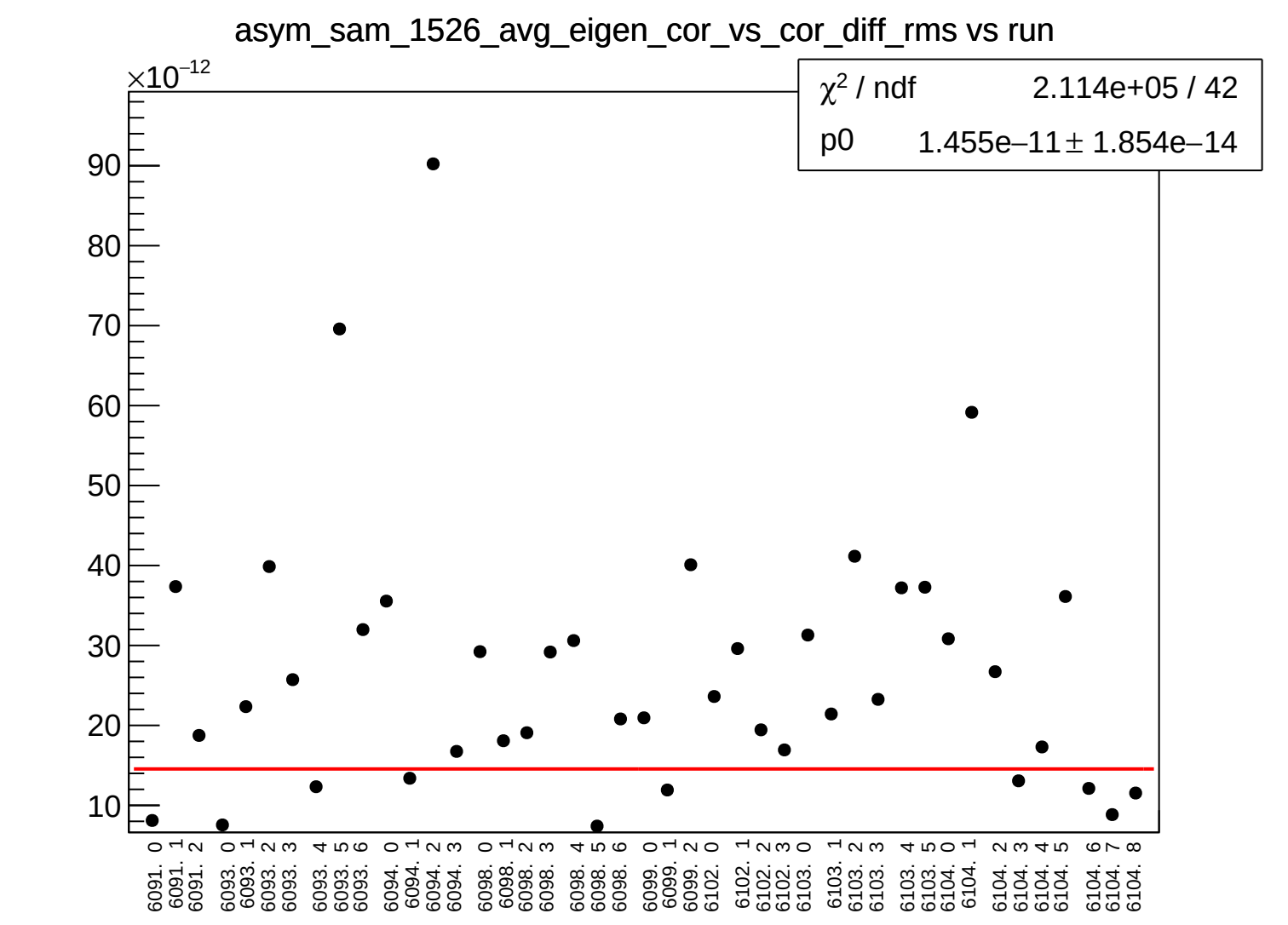

asym_sam_1526_avg_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 46.96 / 42
p0 0.03764 ± 0.03971
2.5
2
1.5
1
0.5
0
−0.5
−1
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 5.022
Std Dev 4.616
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 43
Mean −0.04347
Std Dev 1.044
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

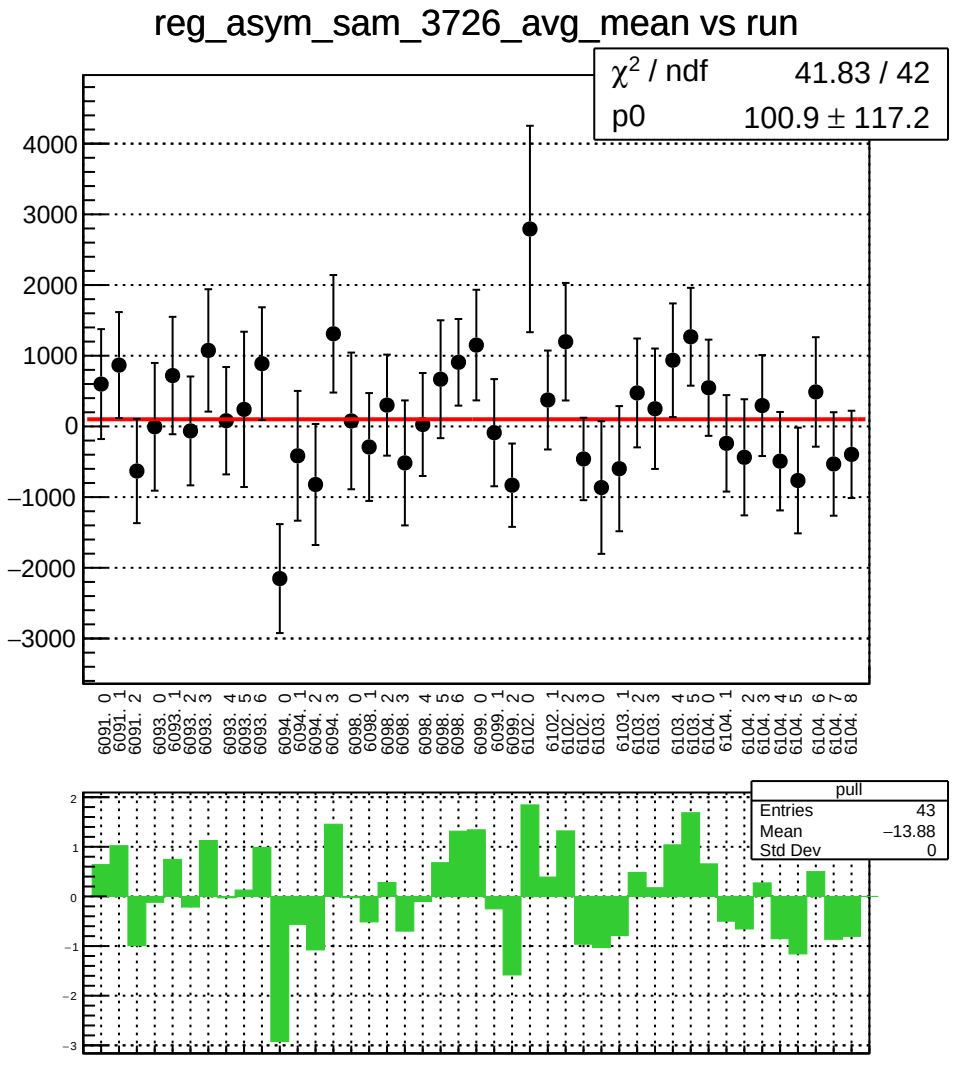

asym_sam_1526_avg_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 5.107e+04 / 42
p0 24.75 ± 0.02808
90
80
70
60
50
40
30
20
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

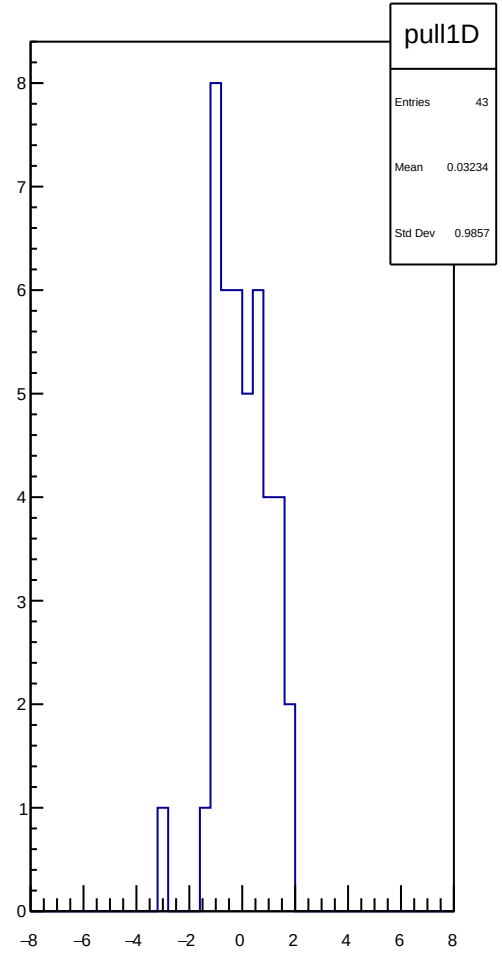

asym_sam_1526_avg_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 46.96 / 42
p0 0.03764 ± 0.03971
2.5
2
1.5
1
0.5
0
−0.5
−1
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 5.022
Std Dev 4.616
pull1D
Entries 43
Mean −0.04347
Std Dev 1.044

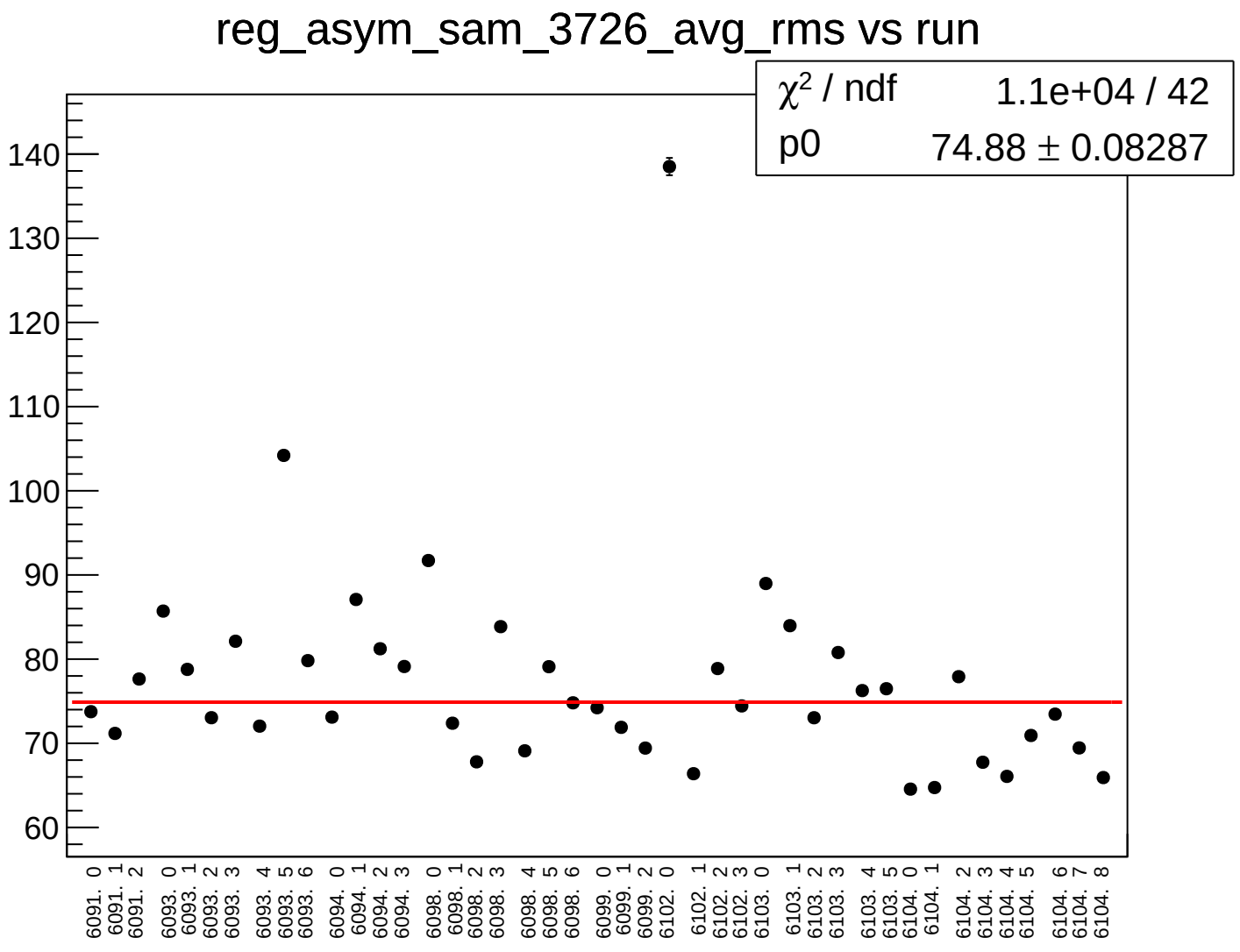

asym_sam_1526_avg_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 5.107e+04 / 42
p0 24.75 ± 0.02808
90
80
70
60
50
40
30
20
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

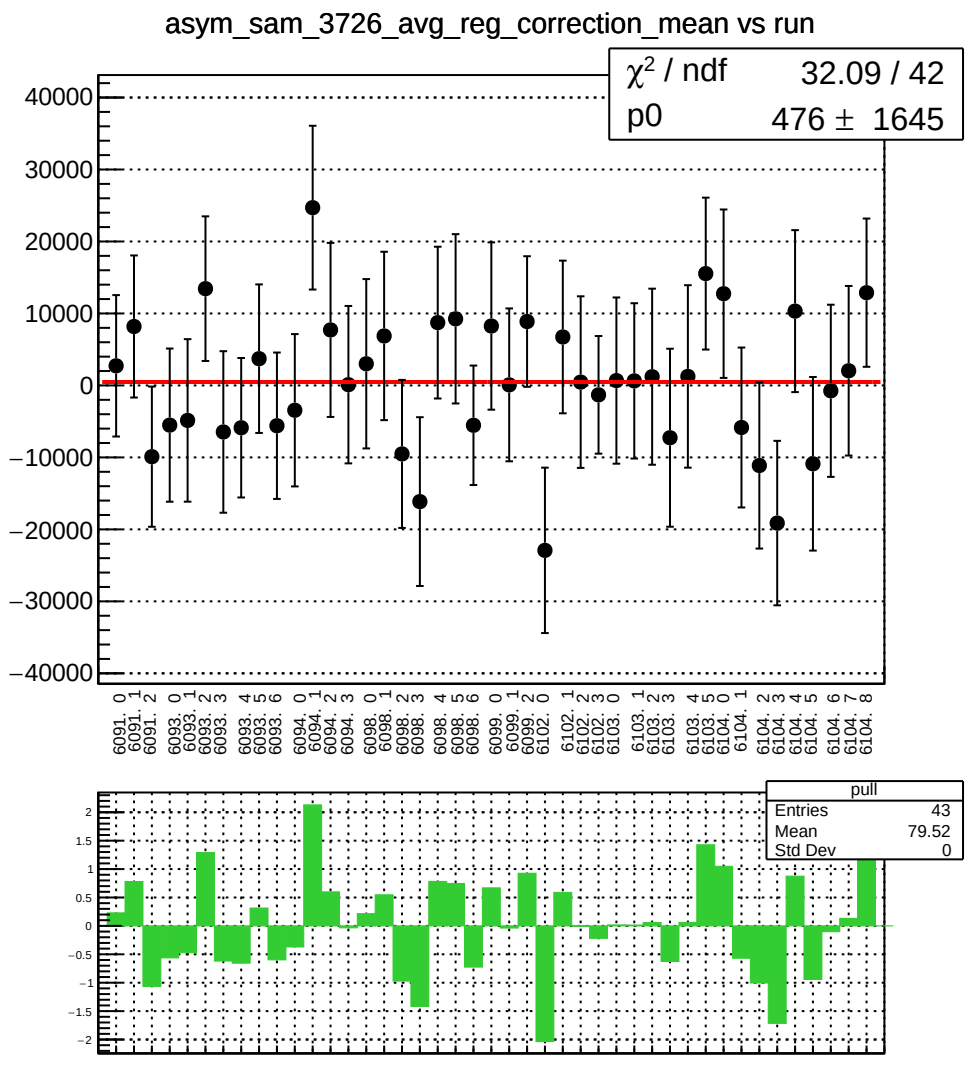

asym_sam_1526_avg_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 63.83 / 42
p0 2.596e−14 ± 2.622e−14
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean −55.51
Std Dev 0
2
1
0
−1
−2
−3
pull1D
Entries 43
Mean 0.01809
Std Dev 1.218
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

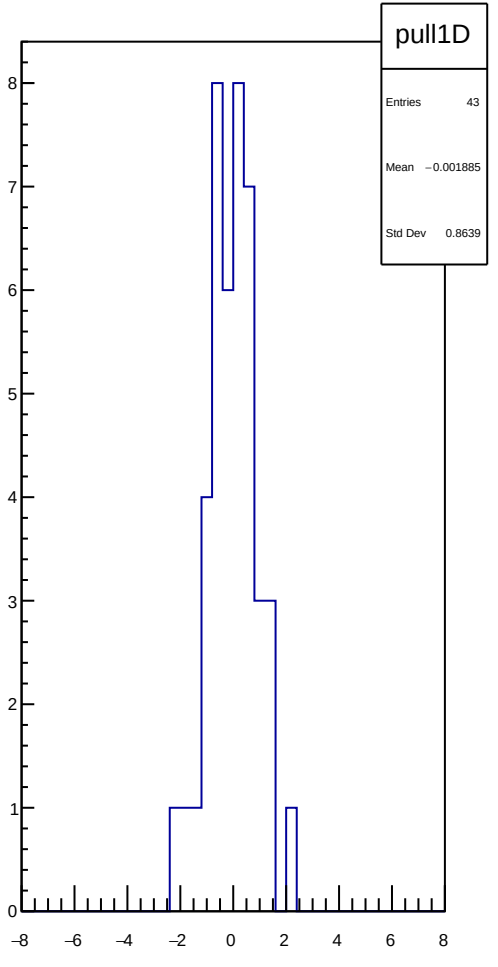

asym_sam_1526_avg_eigen_cor_vs_cor_diff_rms vs run
×10⁻¹²
χ² / ndf 2.114e+05 / 42
p0 1.455e−11 ± 1.854e−14
90
80
70
60
50
40
30
20
10
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

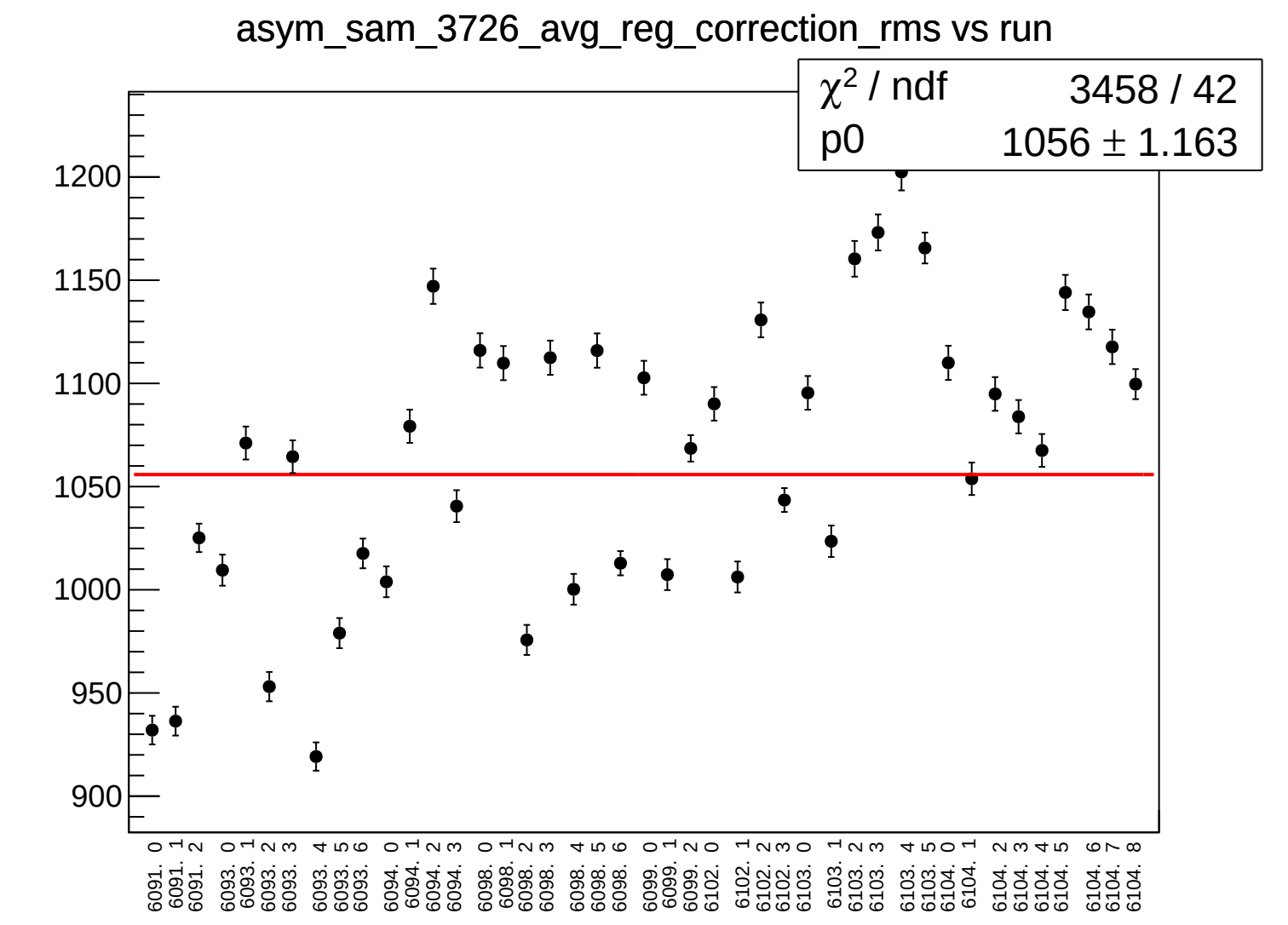

reg_asym_sam_3726_avg_mean vs run
χ² / ndf 41.83 / 42
p0 100.9 ± 117.2
4000
3000
2000
1000
0
−1000
−2000
−3000
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean −13.88
Std Dev 0
2
1
0
−1
−2
−3

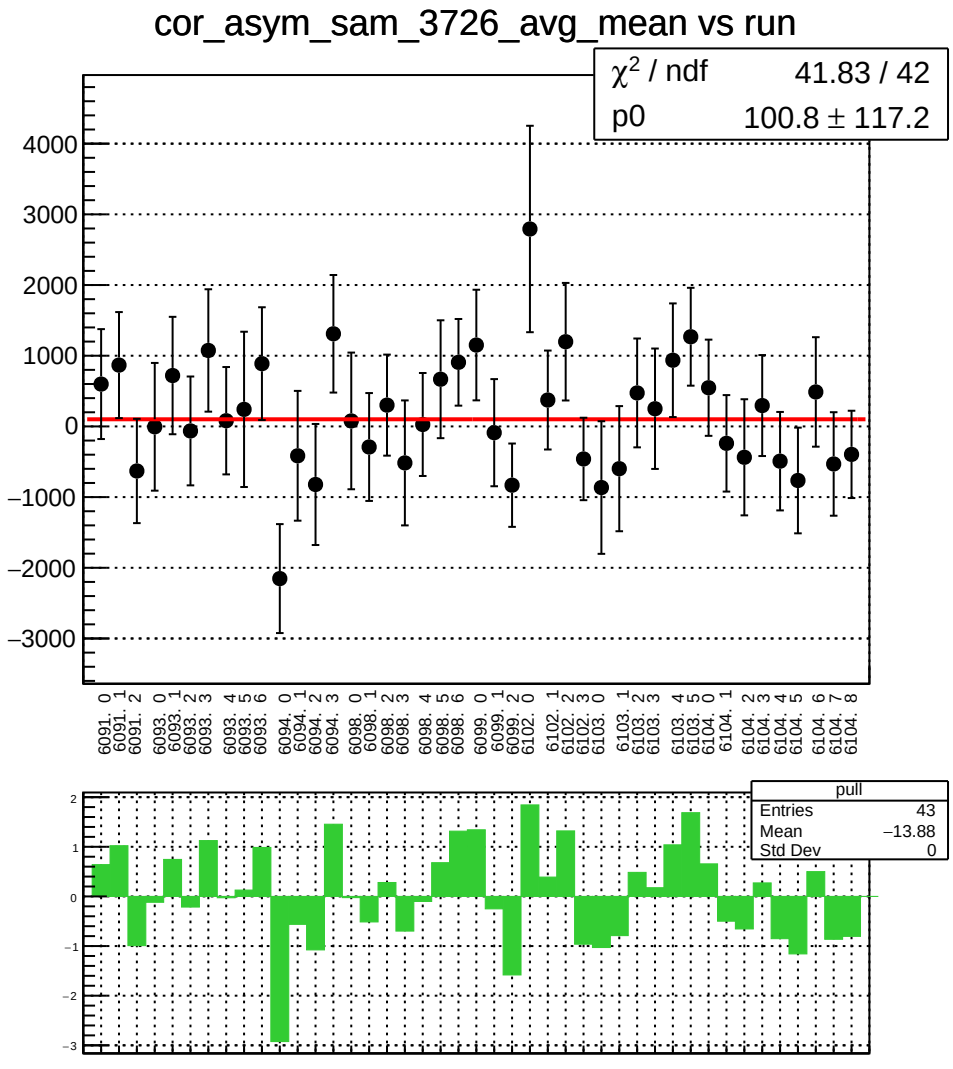

pull1D
Entries 43
Mean 0.03234
Std Dev 0.9857
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

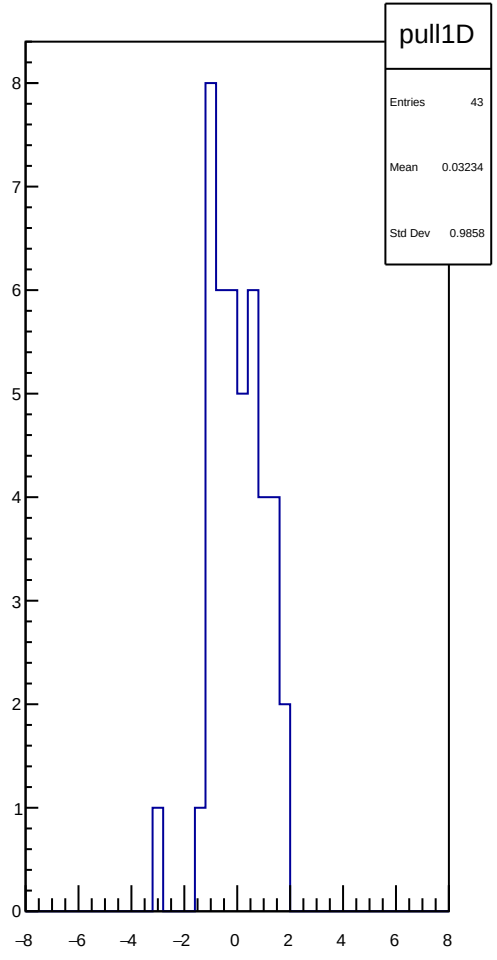

reg_asym_sam_3726_avg_rms vs run
χ² / ndf 1.1e+04 / 42
p0 74.88 ± 0.08287
140
130
120
110
100
90
80
70
60
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

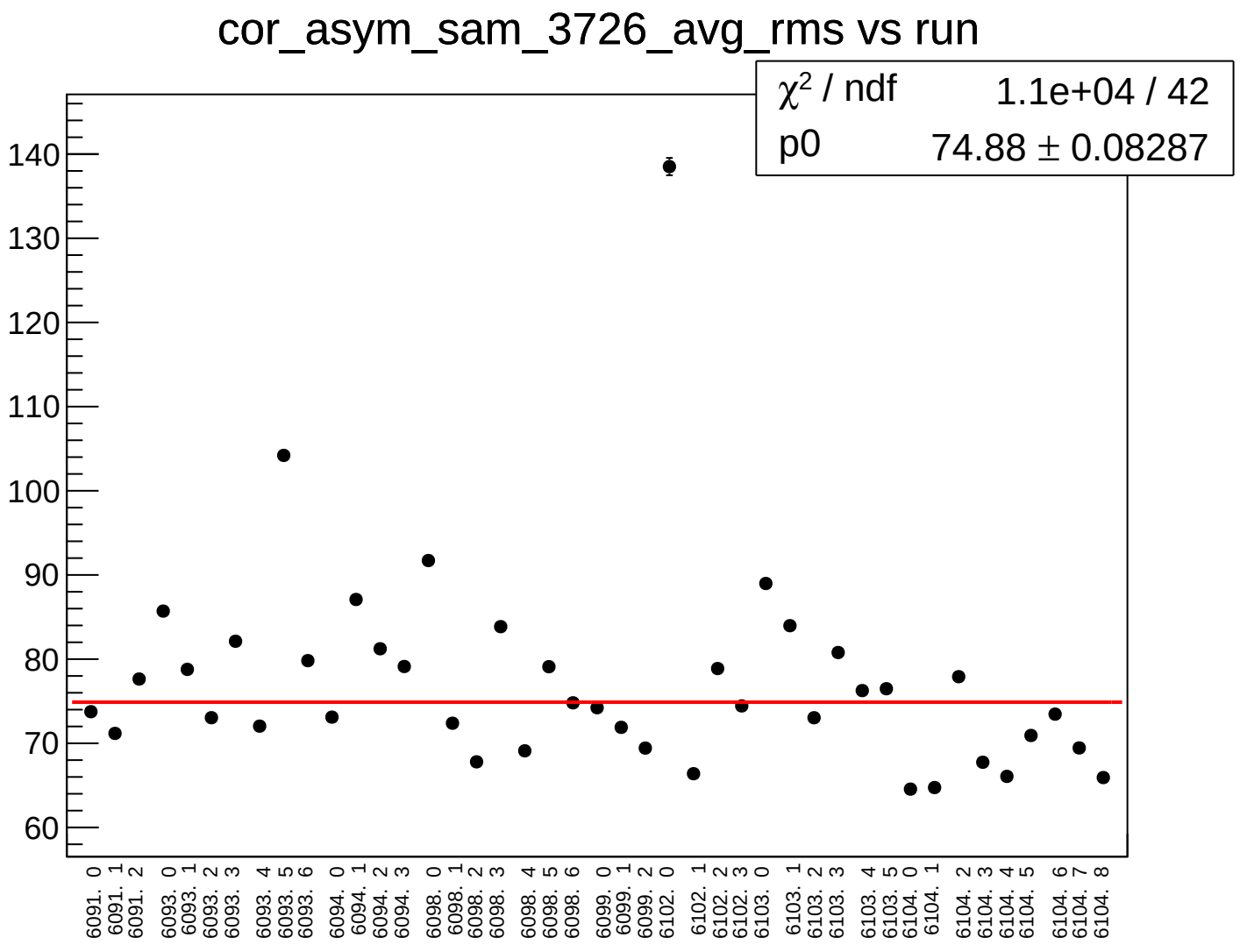

asym_sam_3726_avg_reg_correction_mean vs run
χ² / ndf 32.09 / 42
p0 476 ± 1645
40000
30000
20000
10000
0
−10000
−20000
−30000
−40000
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 79.52
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

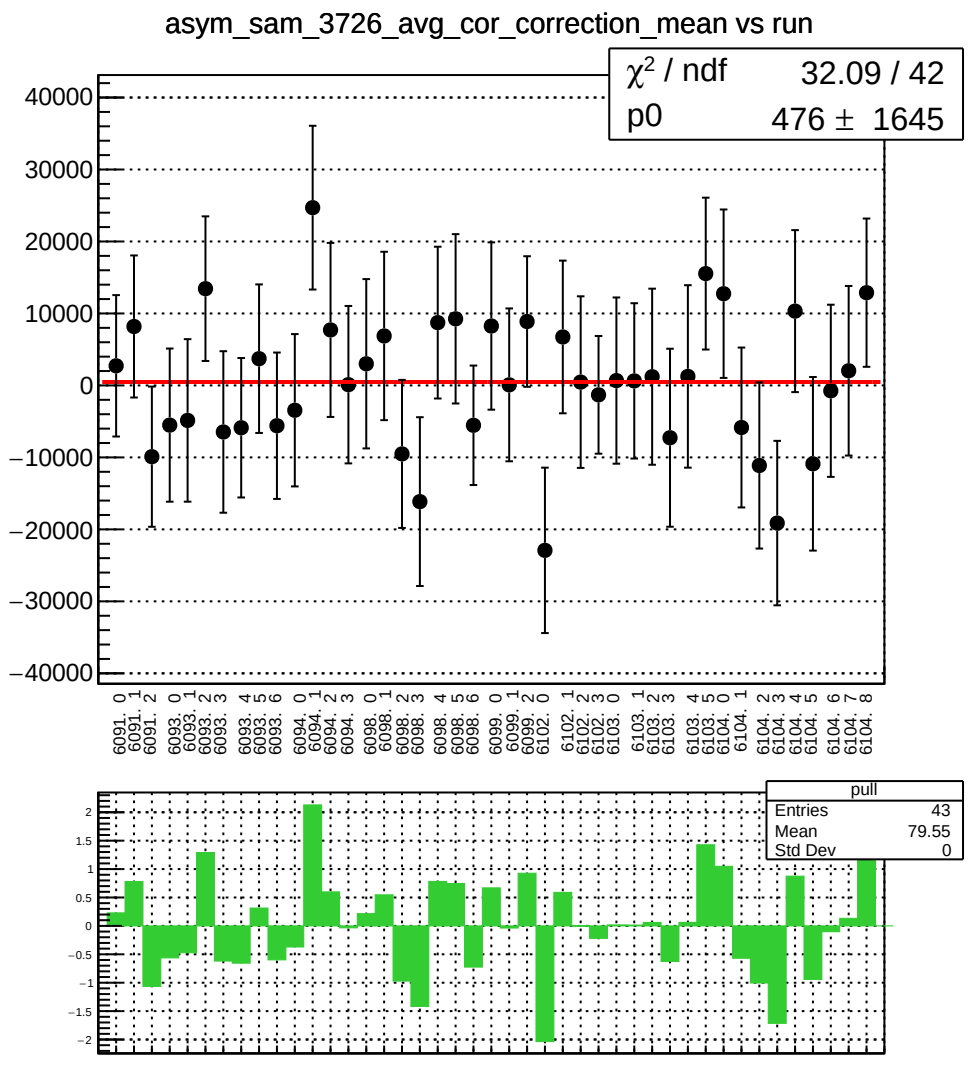

pull1D
Entries 43
Mean −0.001885
Std Dev 0.8639
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

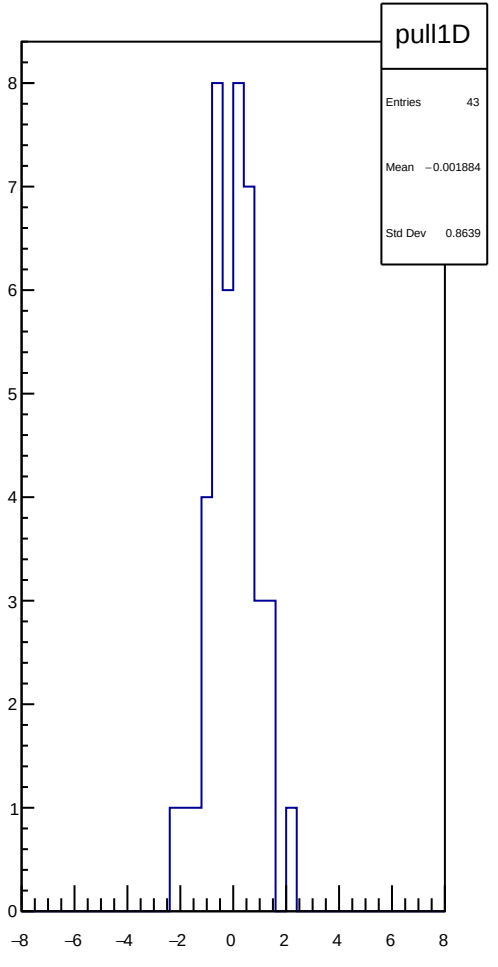

asym_sam_3726_avg_reg_correction_rms vs run
χ² / ndf 3458 / 42
p0 1056 ± 1.163
1200
1150
1100
1050
1000
950
900
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

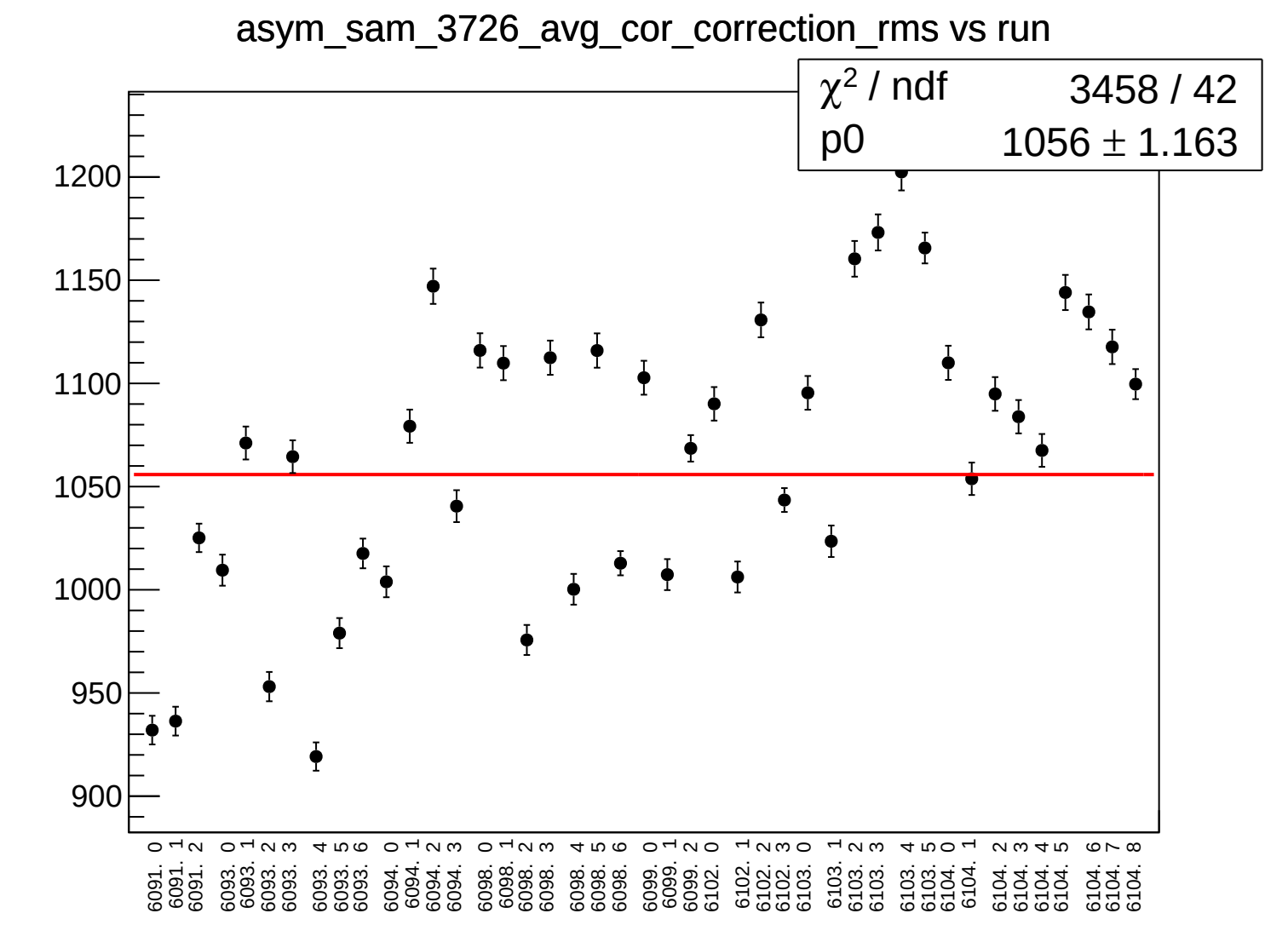

cor_asym_sam_3726_avg_mean vs run
χ² / ndf 41.83 / 42
p0 100.8 ± 117.2
4000
3000
2000
1000
0
−1000
−2000
−3000
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean −13.88
Std Dev 0
2
1
0
−1
−2
−3

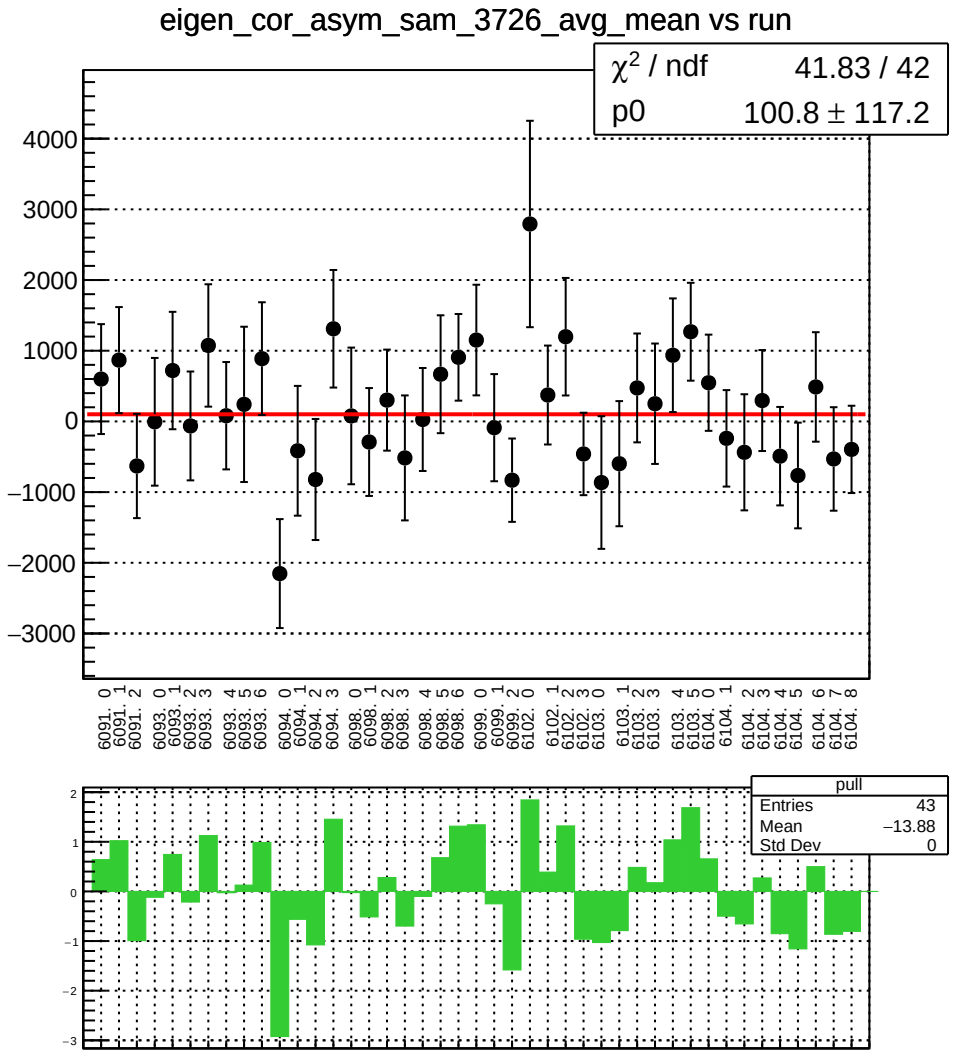

pull1D
Entries 43
Mean 0.03234
Std Dev 0.9858
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

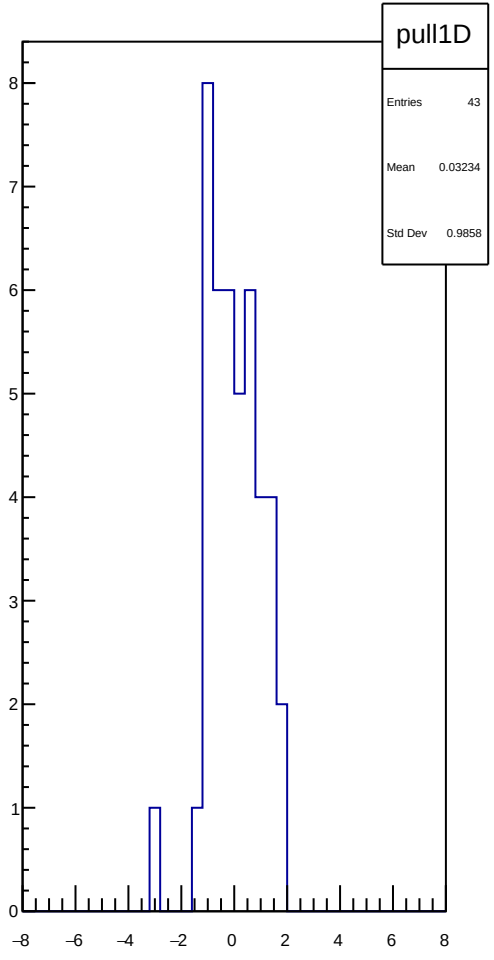

cor_asym_sam_3726_avg_rms vs run
χ² / ndf 1.1e+04 / 42
p0 74.88 ± 0.08287
140
130
120
110
100
90
80
70
60
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

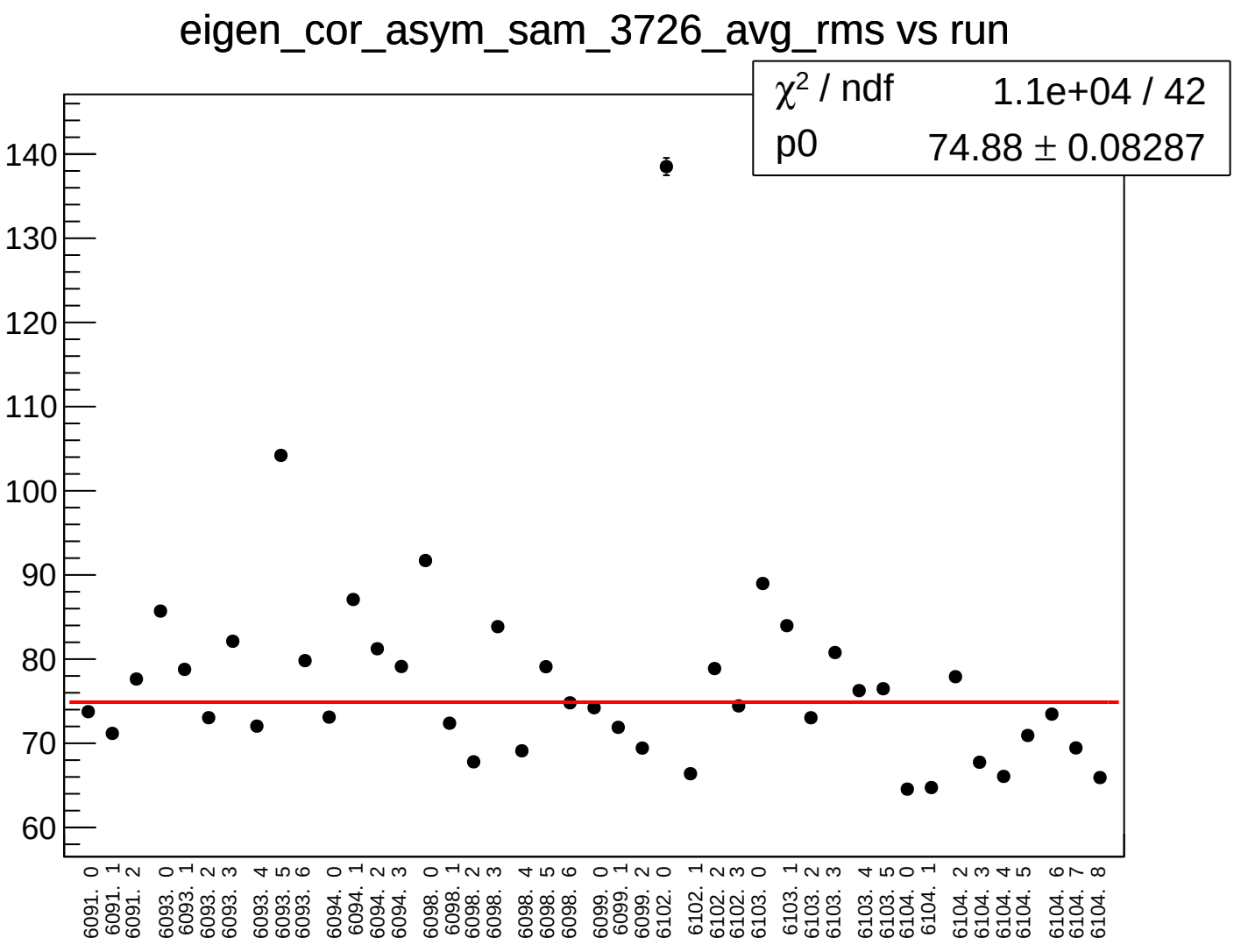

asym_sam_3726_avg_cor_correction_mean vs run
χ² / ndf 32.09 / 42
p0 476 ± 1645
40000
30000
20000
10000
0
−10000
−20000
−30000
−40000
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 79.55
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

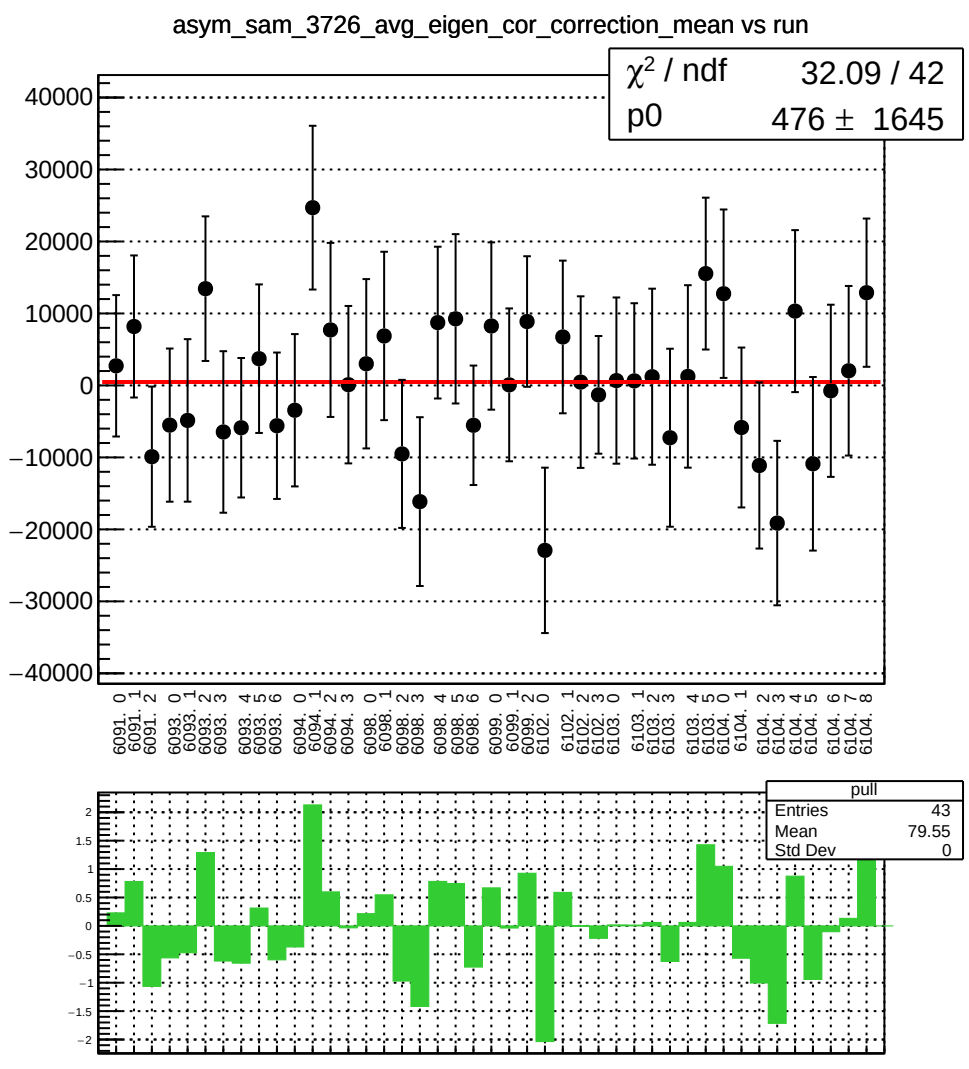

pull1D
Entries 43
Mean −0.001884
Std Dev 0.8639
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

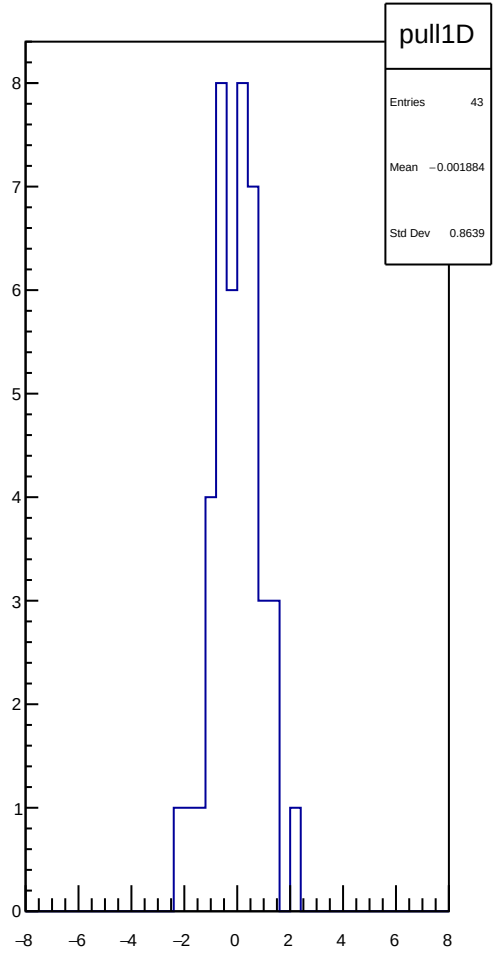

asym_sam_3726_avg_cor_correction_rms vs run
χ² / ndf 3458 / 42
p0 1056 ± 1.163
1200
1150
1100
1050
1000
950
900
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8


eigen_cor_asym_sam_3726_avg_mean vs run
χ² / ndf 41.83 / 42
p0 100.8 ± 117.2
4000
3000
2000
1000
0
−1000
−2000
−3000
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean −13.88
Std Dev 0
2
1
0
−1
−2
−3


pull1D
Entries 43
Mean 0.03234
Std Dev 0.9858
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


eigen_cor_asym_sam_3726_avg_rms vs run
χ² / ndf 1.1e+04 / 42
p0 74.88 ± 0.08287
140
130
120
110
100
90
80
70
60
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8


asym_sam_3726_avg_eigen_cor_correction_mean vs run
χ² / ndf 32.09 / 42
p0 476 ± 1645
40000
30000
20000
10000
0
−10000
−20000
−30000
−40000
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 79.55
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2


pull1D
Entries 43
Mean −0.001884
Std Dev 0.8639
8
7
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5
4
3
2
1
0
−8
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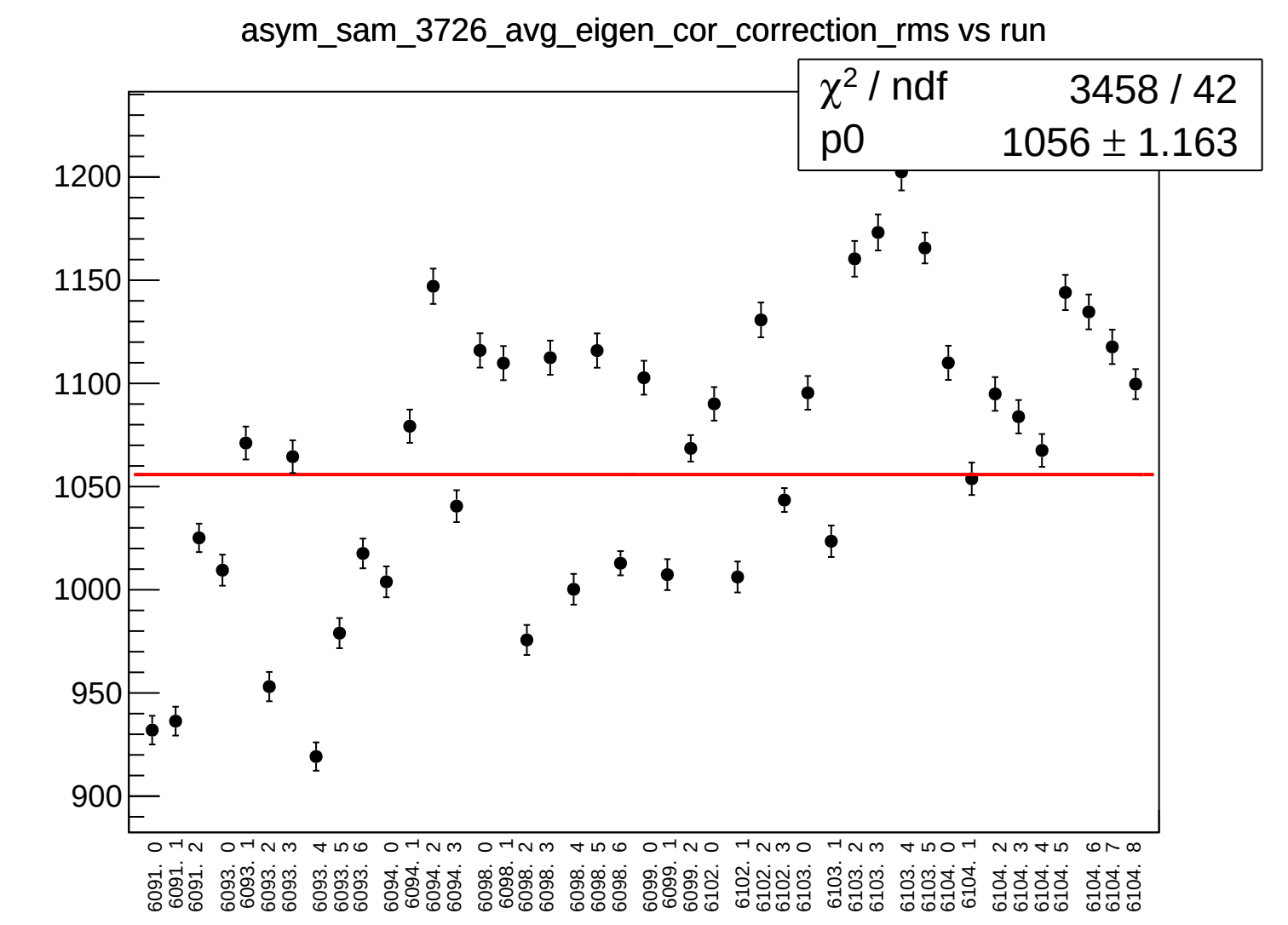
−4
−2
0
2
4
6
8


asym_sam_3726_avg_eigen_cor_correction_rms vs run
χ² / ndf 3458 / 42
p0 1056 ± 1.163
1200
1150
1100
1050
1000
950
900
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
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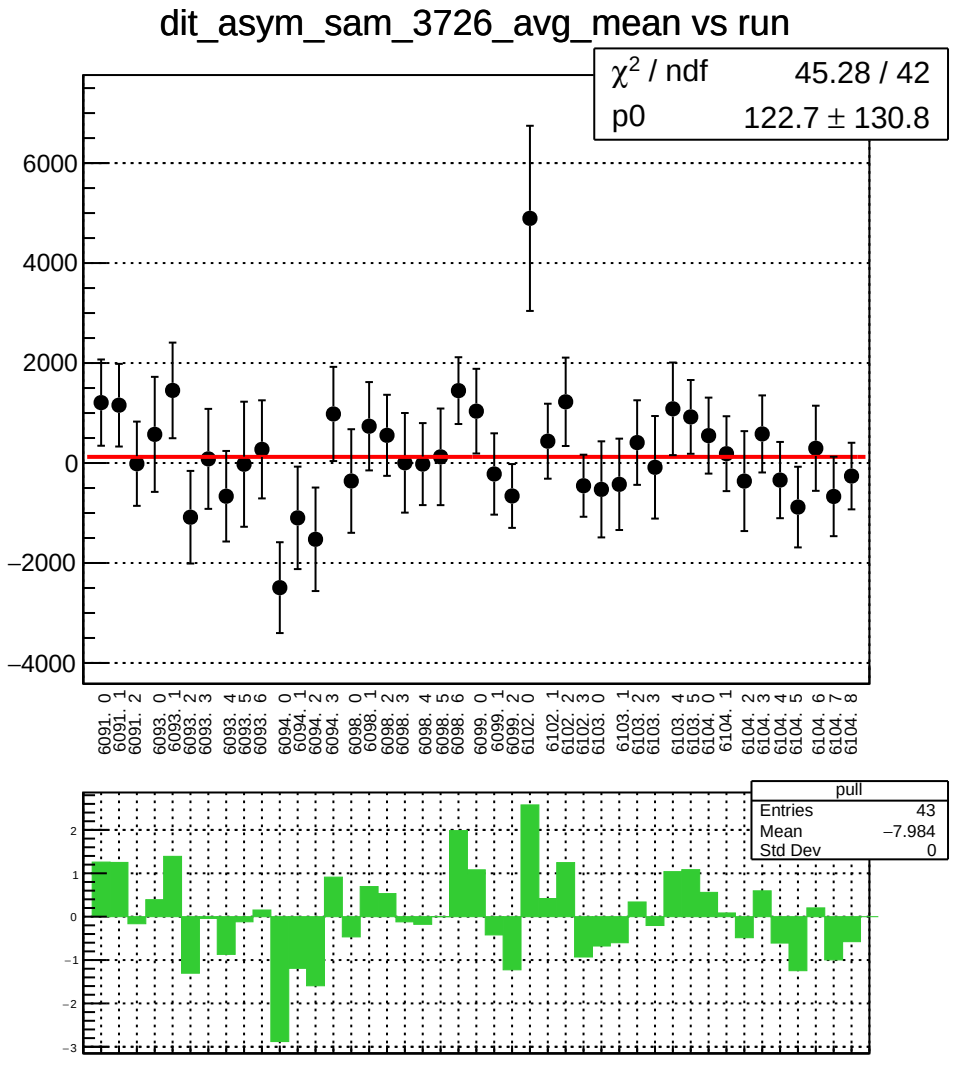
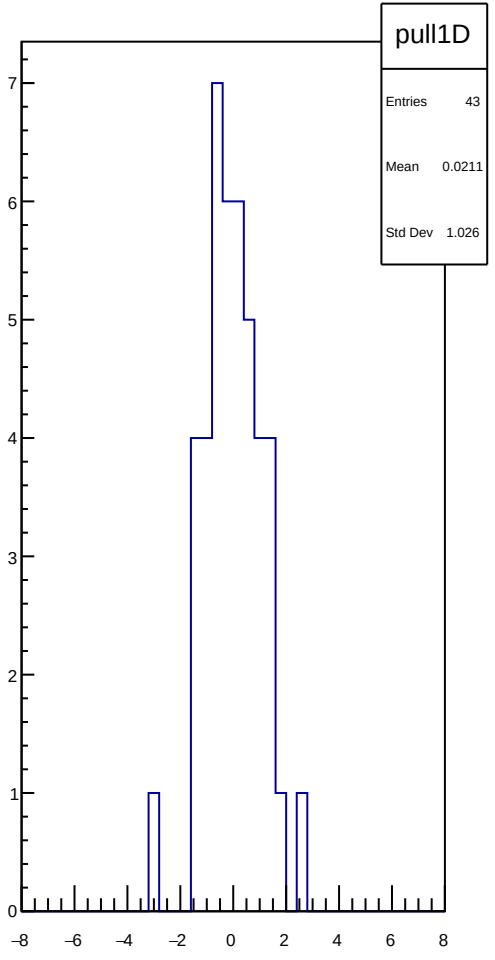
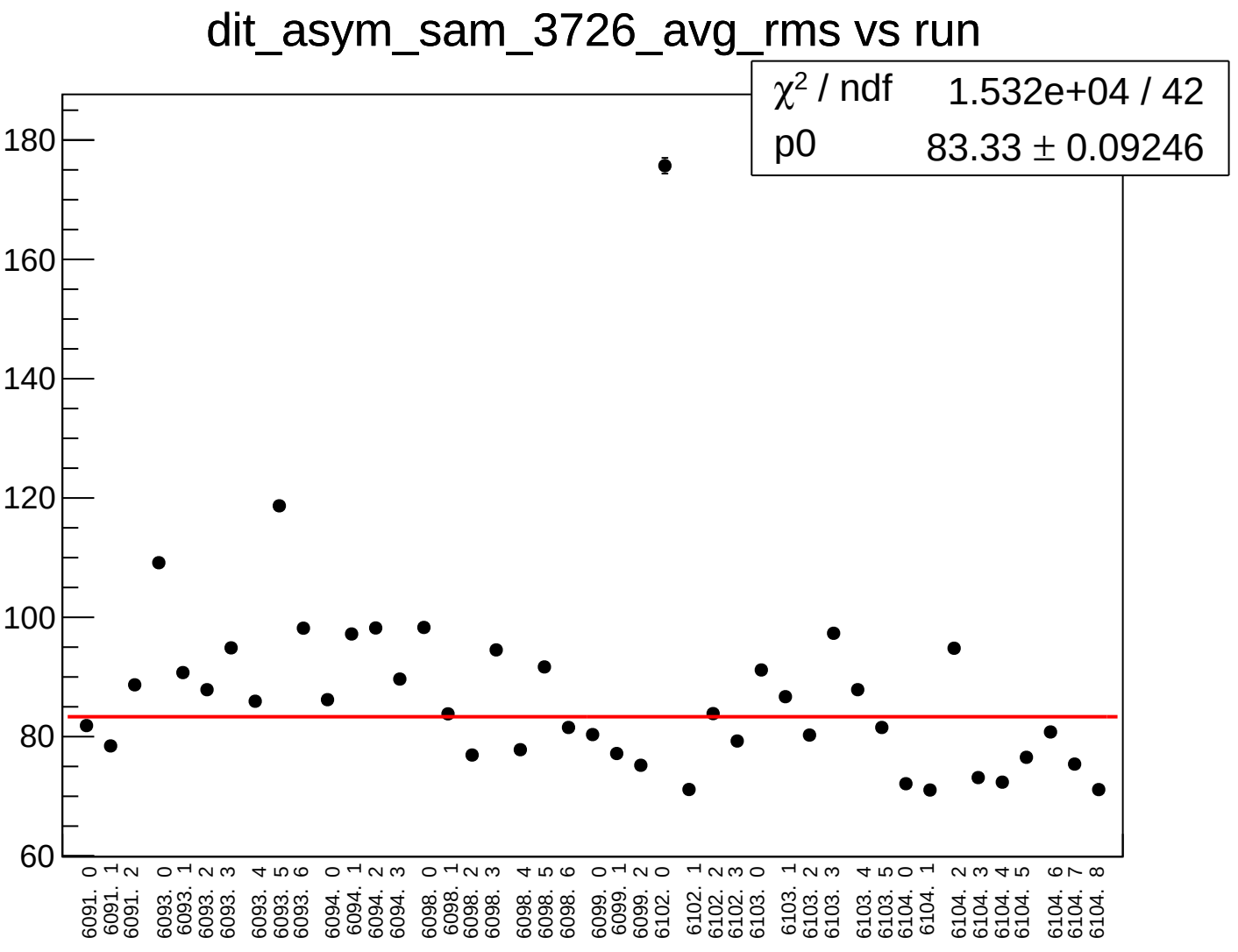
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8


dit_asym_sam_3726_avg_mean vs run
χ² / ndf 45.28 / 42
p0 122.7 ± 130.8
6000
4000
2000
0
−2000
−4000
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean −7.984
Std Dev 0
2
1
0
−1
−2
−3


pull1D
Entries 43
Mean 0.0211
Std Dev 1.026
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


dit_asym_sam_3726_avg_rms vs run
χ² / ndf 1.532e+04 / 42
p0 83.33 ± 0.09246
180
160
140
120
100
80
60
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
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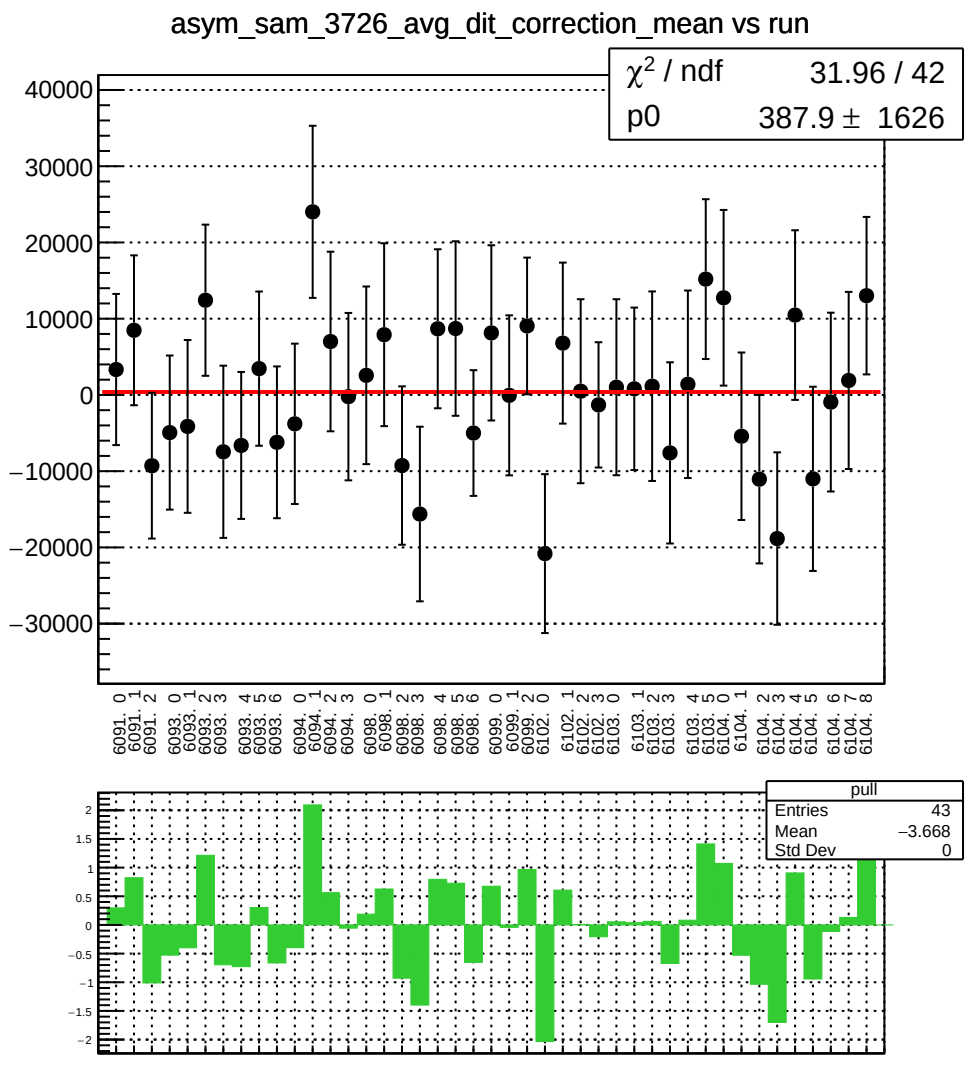
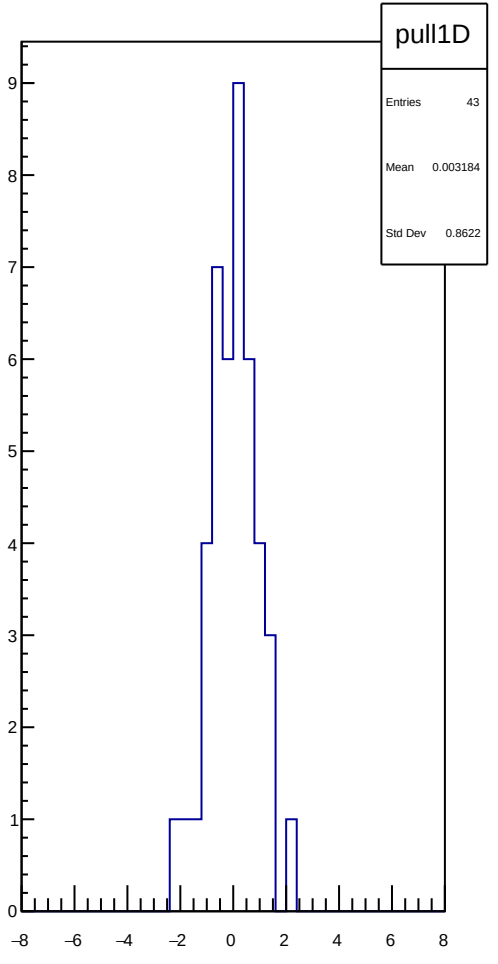
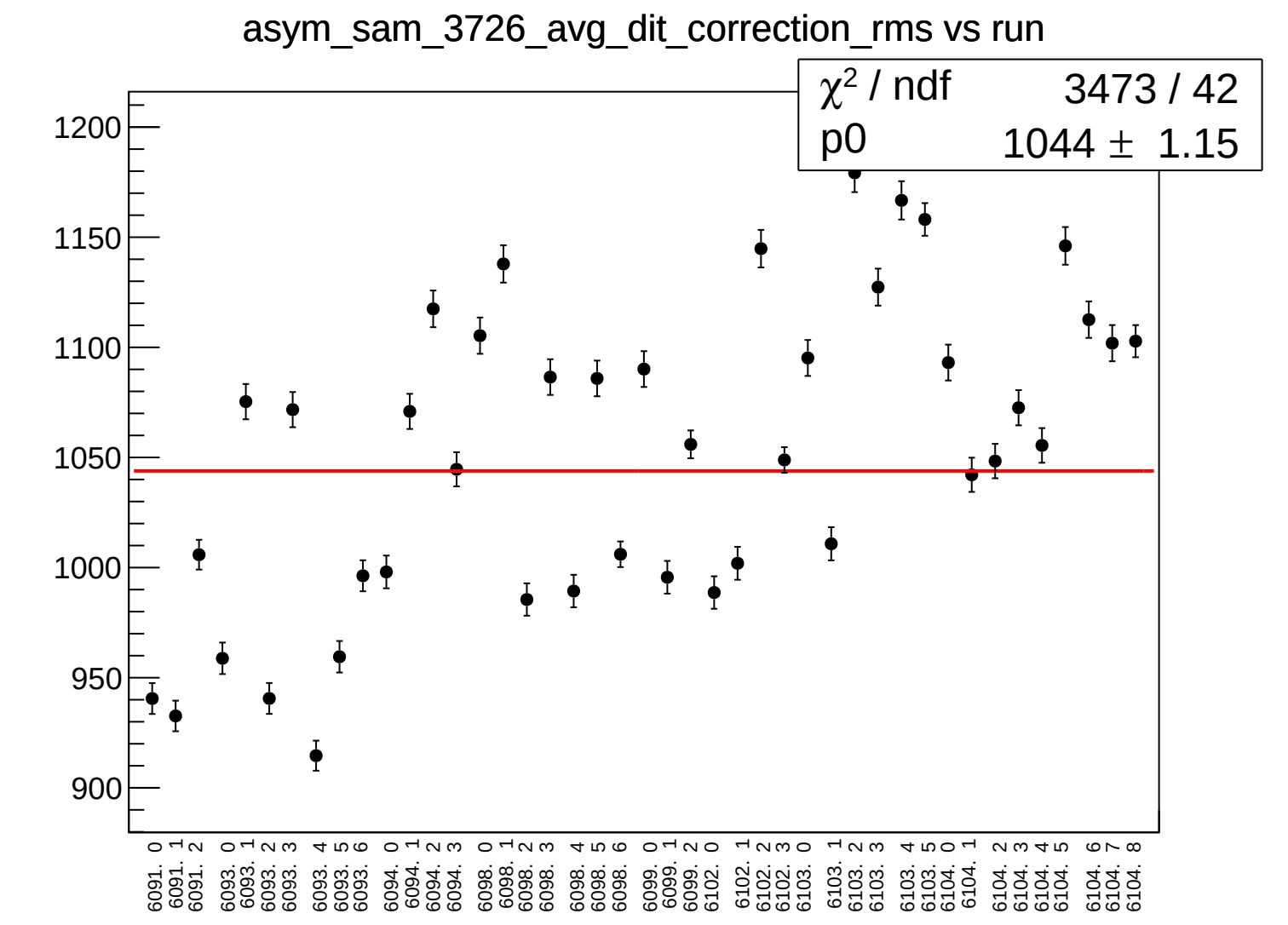
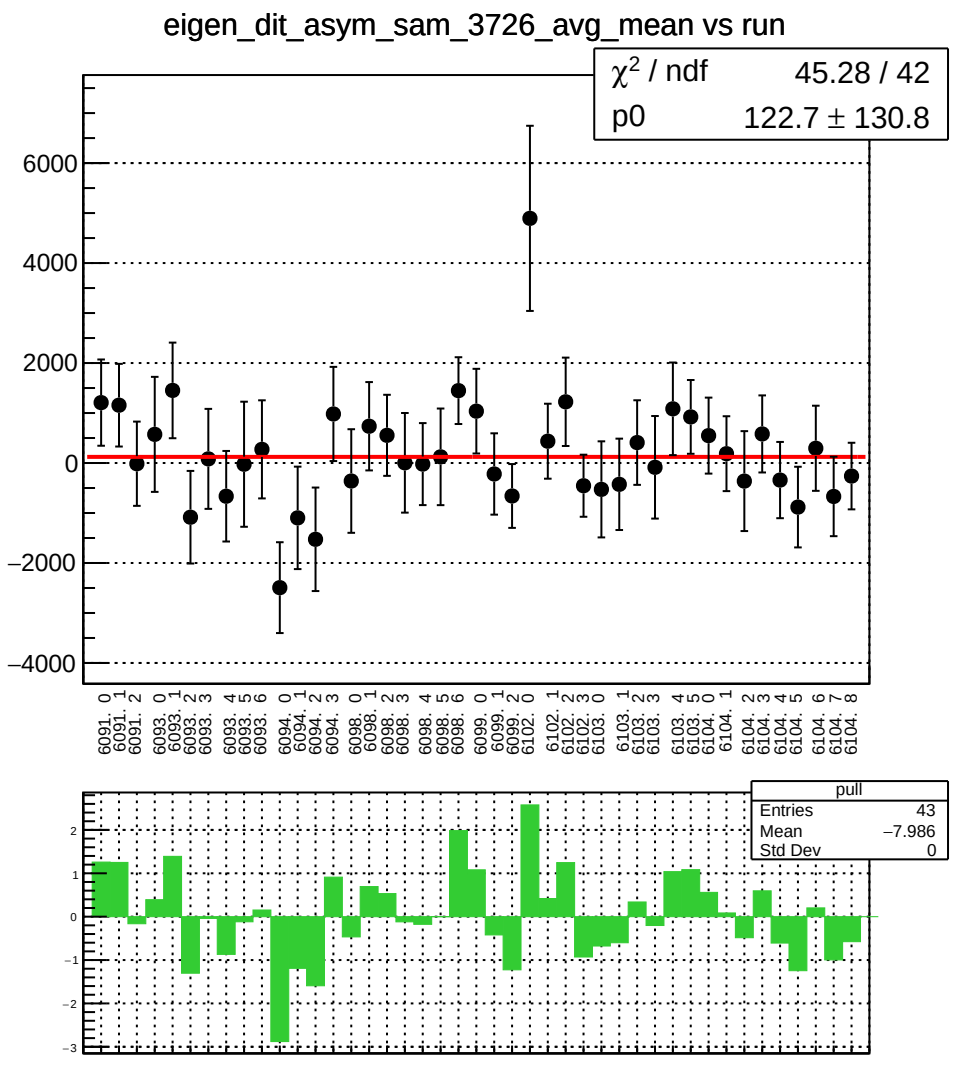
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8


asym_sam_3726_avg_dit_correction_mean vs run
χ² / ndf 31.96 / 42
p0 387.9 ± 1626
40000
30000
20000
10000
0
−10000
−20000
−30000
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean −3.668
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2


pull1D
Entries 43
Mean 0.003184
Std Dev 0.8622
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


asym_sam_3726_avg_dit_correction_rms vs run
χ² / ndf 3473 / 42
p0 1044 ± 1.15
1200
1150
1100
1050
1000
950
900
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8


eigen_dit_asym_sam_3726_avg_mean vs run
χ² / ndf 45.28 / 42
p0 122.7 ± 130.8
6000
4000
2000
0
−2000
−4000
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
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6098. 2
6098. 3
6098. 4
6098. 5
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6099. 0
6099. 1
6099. 2
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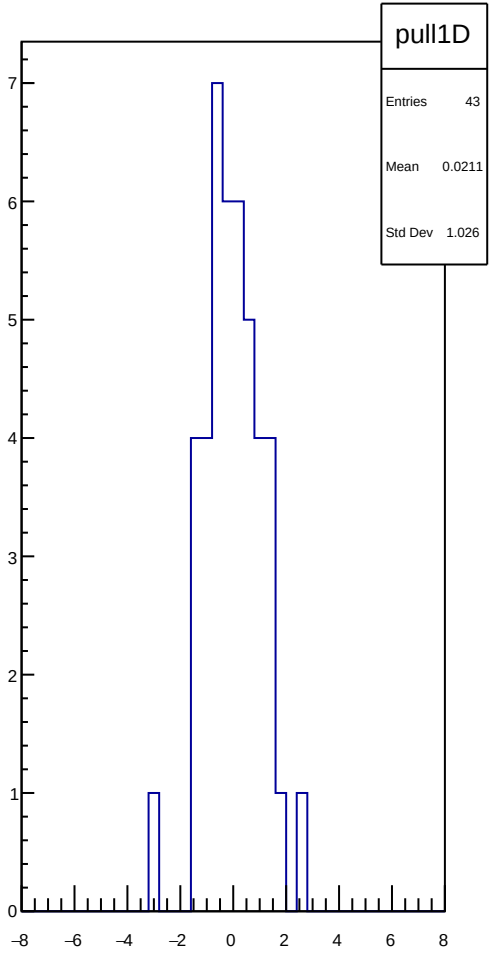
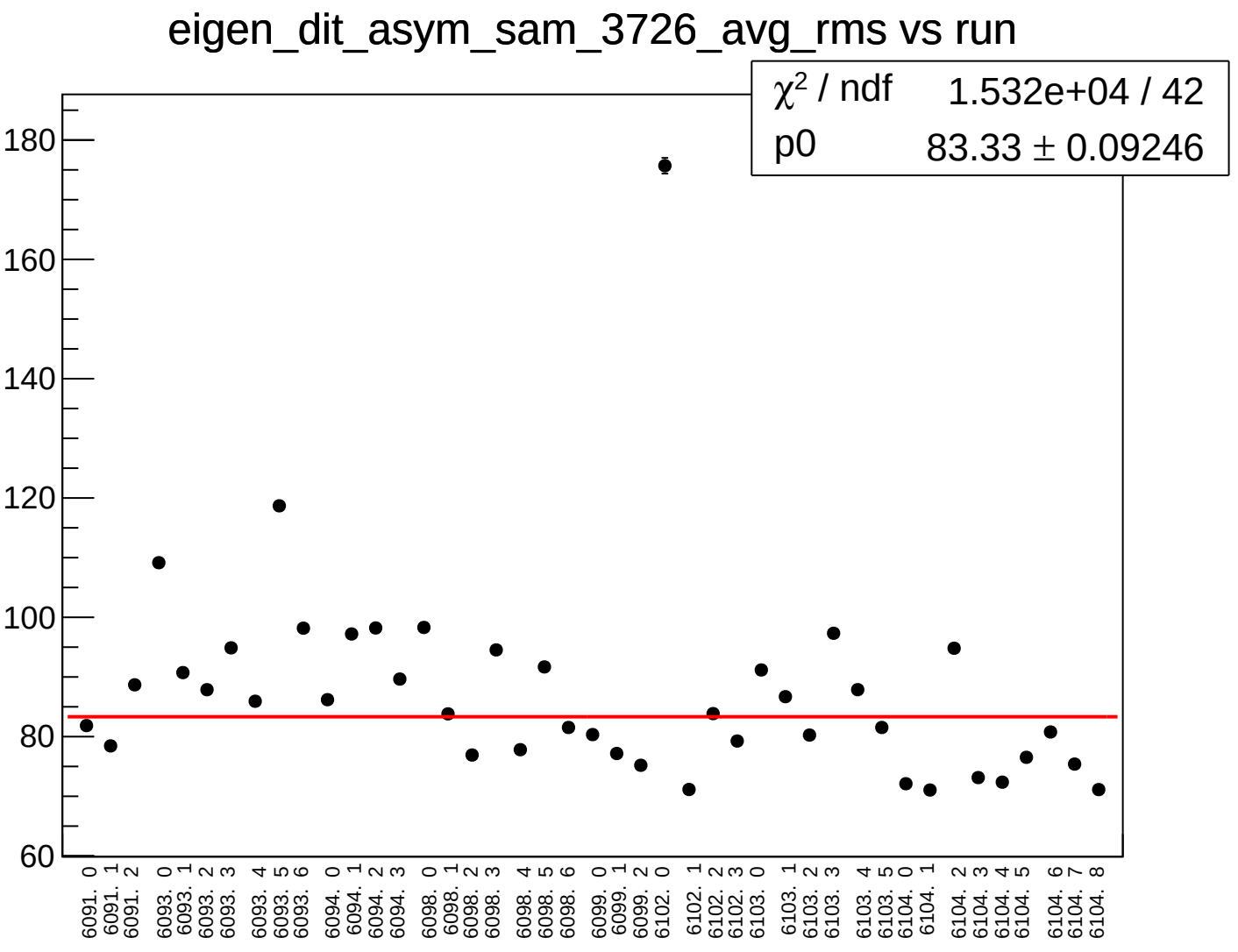
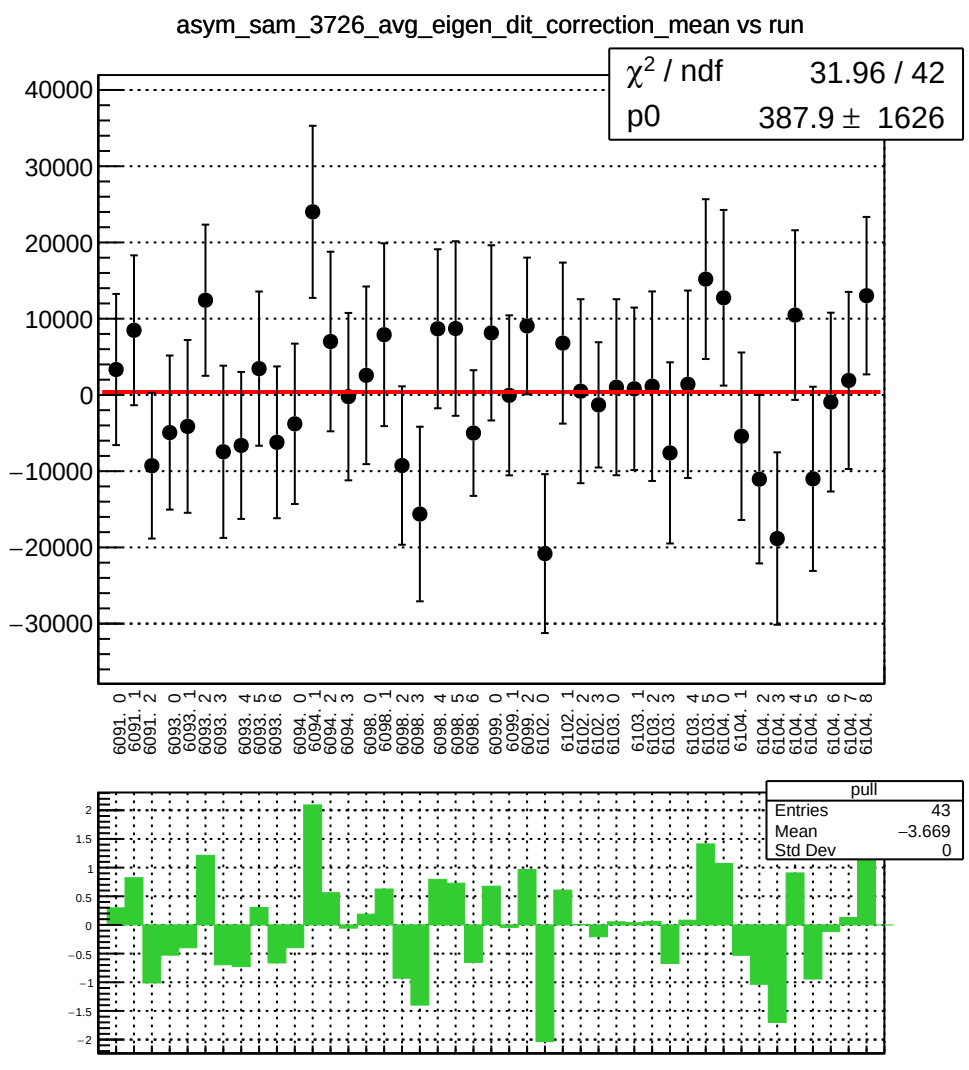
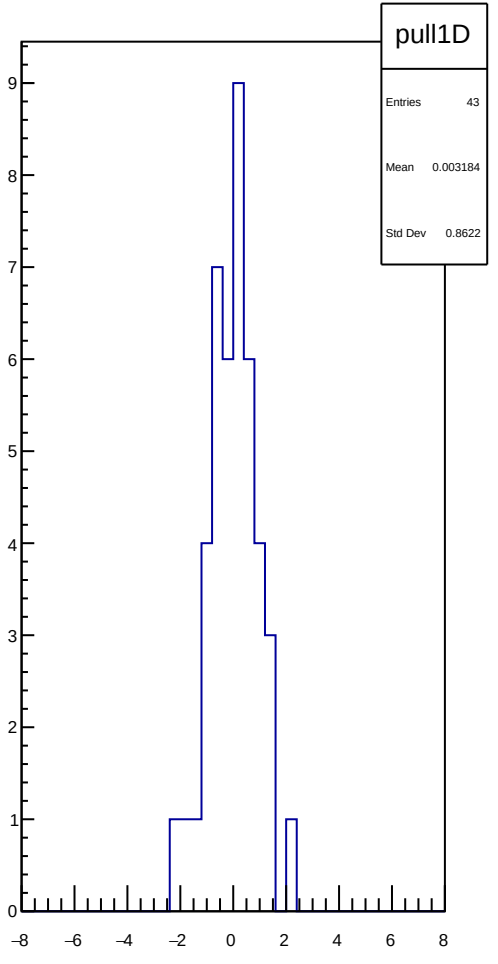
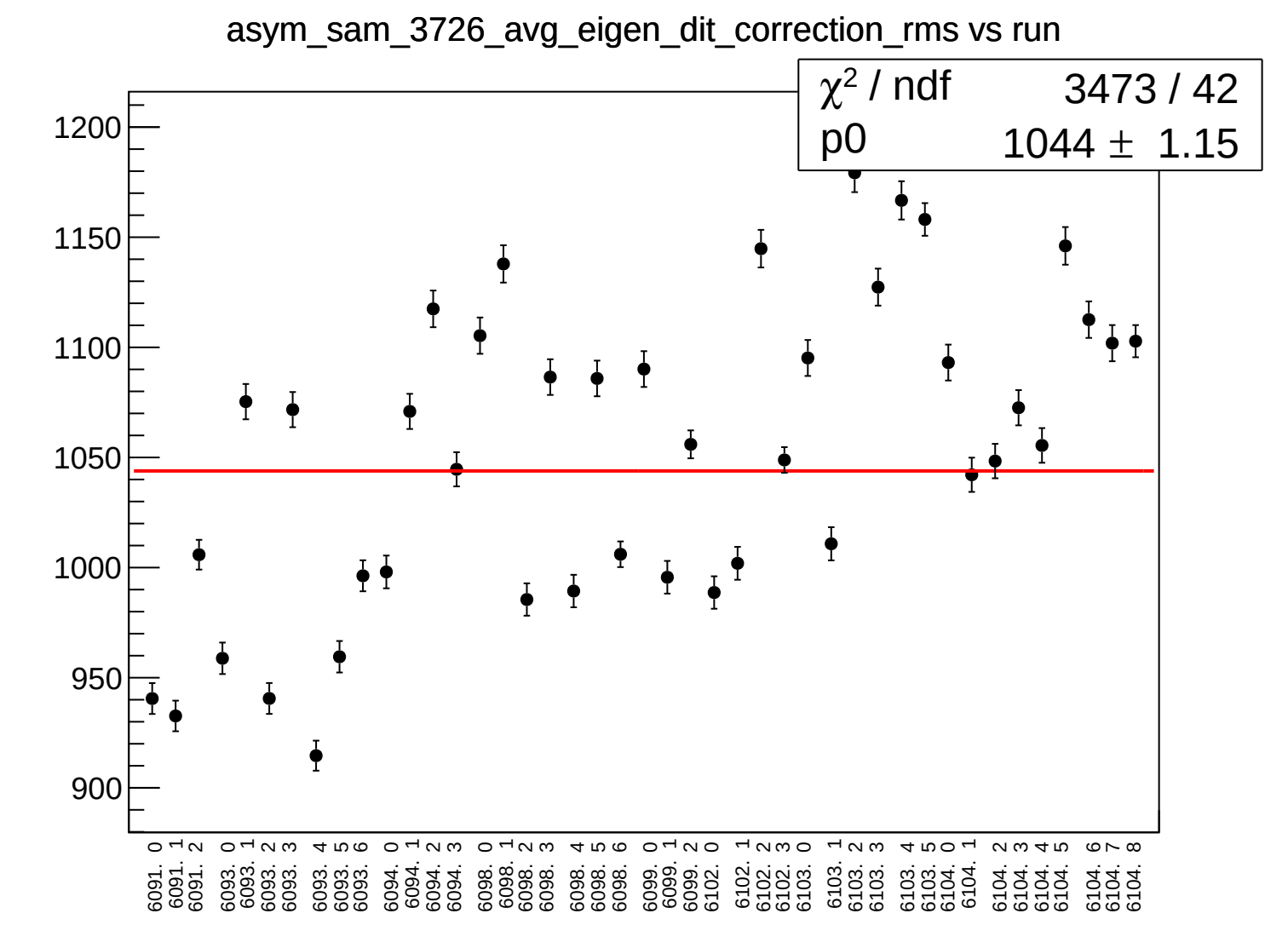
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean −7.986
Std Dev 0
2
1
0
−1
−2
−3

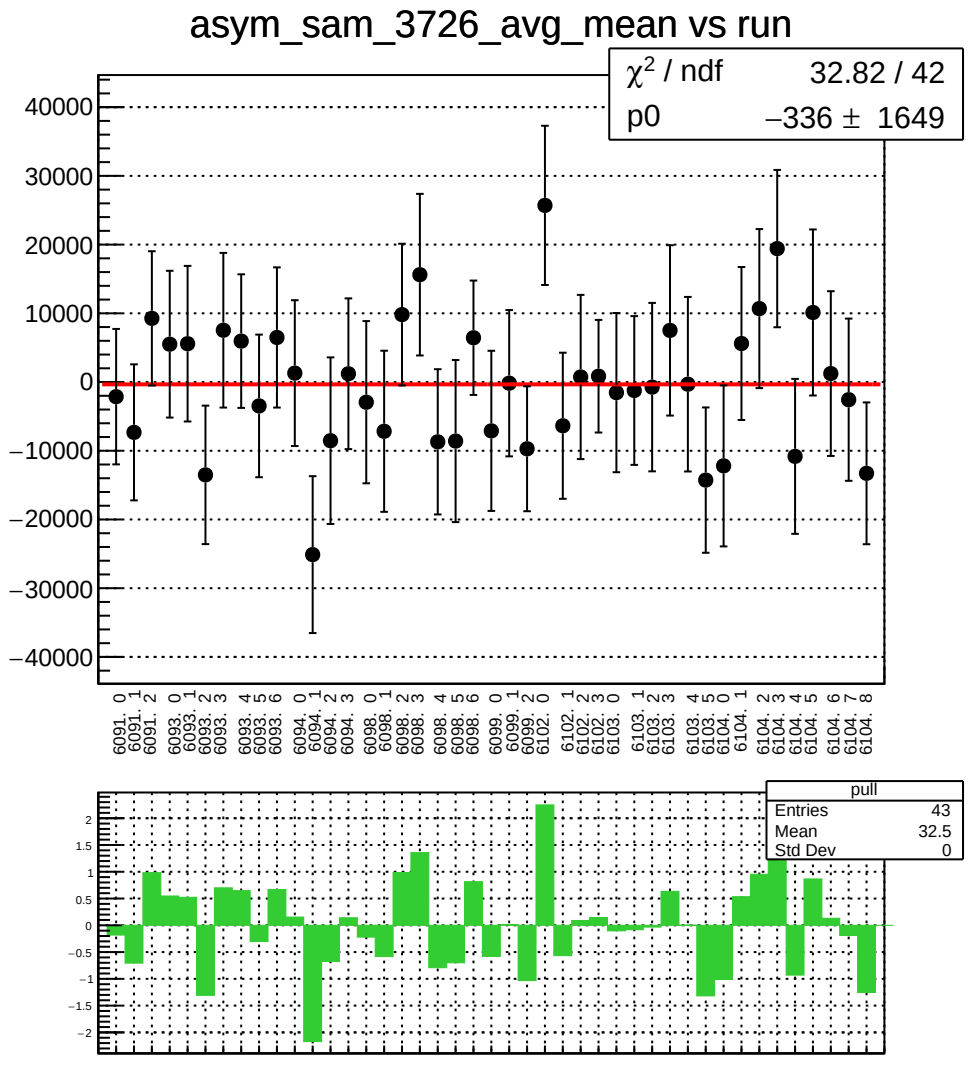

pull1D
Entries 43
Mean 0.0211
Std Dev 1.026
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

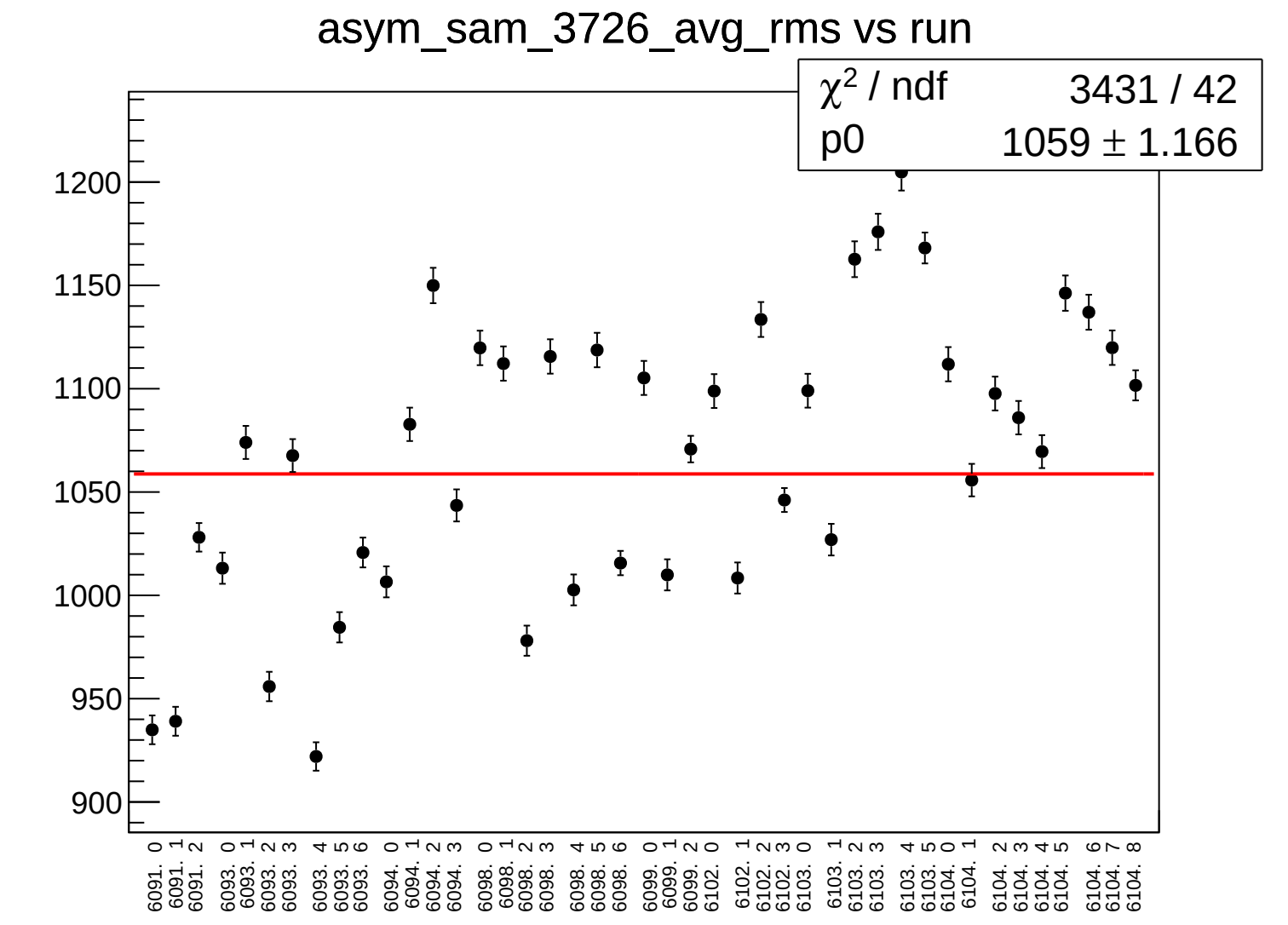

eigen_dit_asym_sam_3726_avg_rms vs run
χ² / ndf 1.532e+04 / 42
p0 83.33 ± 0.09246
180
160
140
120
100
80
60
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

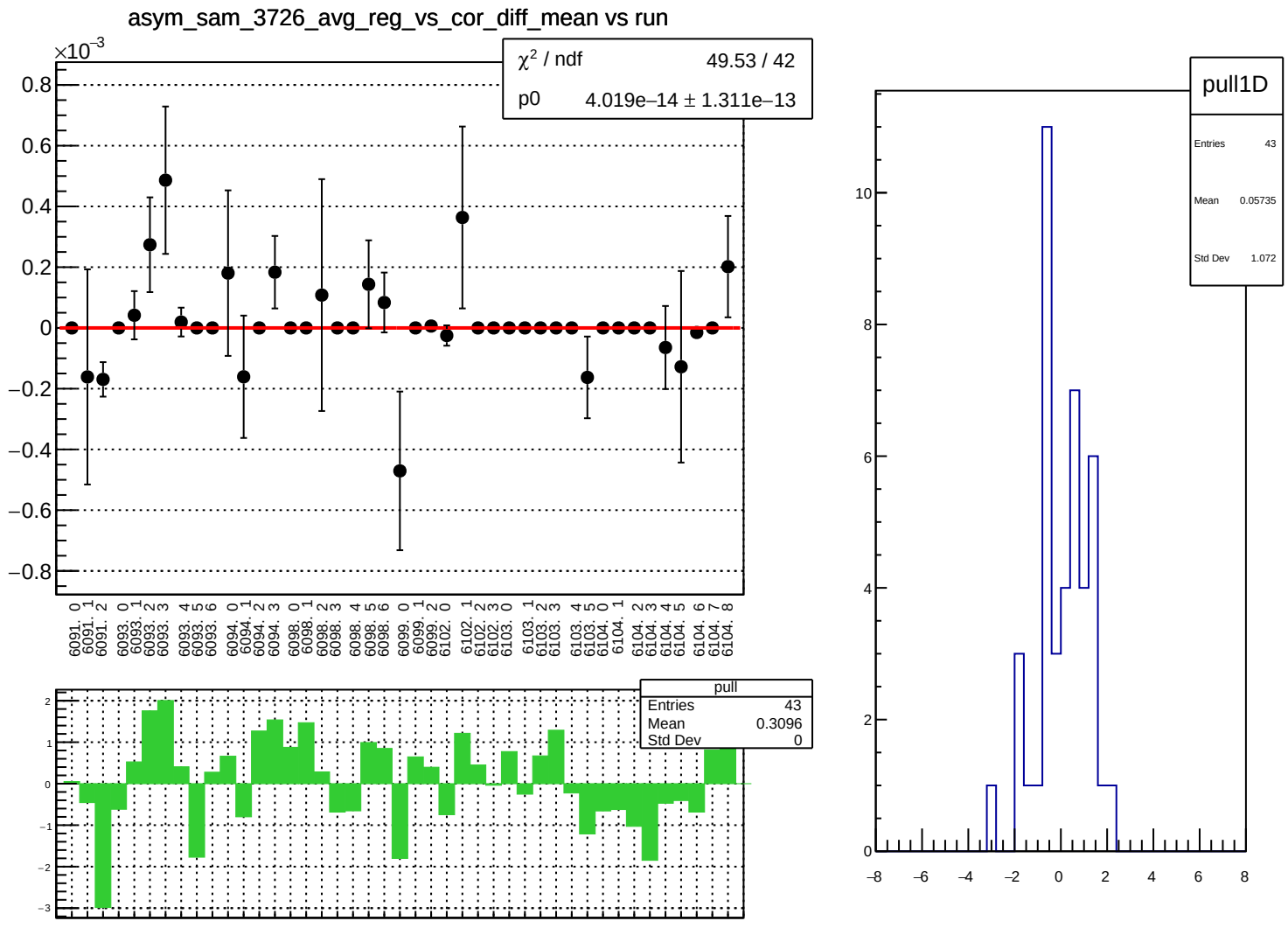

asym_sam_3726_avg_eigen_dit_correction_mean vs run
χ² / ndf 31.96 / 42
p0 387.9 ± 1626
40000
30000
20000
10000
0
−10000
−20000
−30000
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean −3.669
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

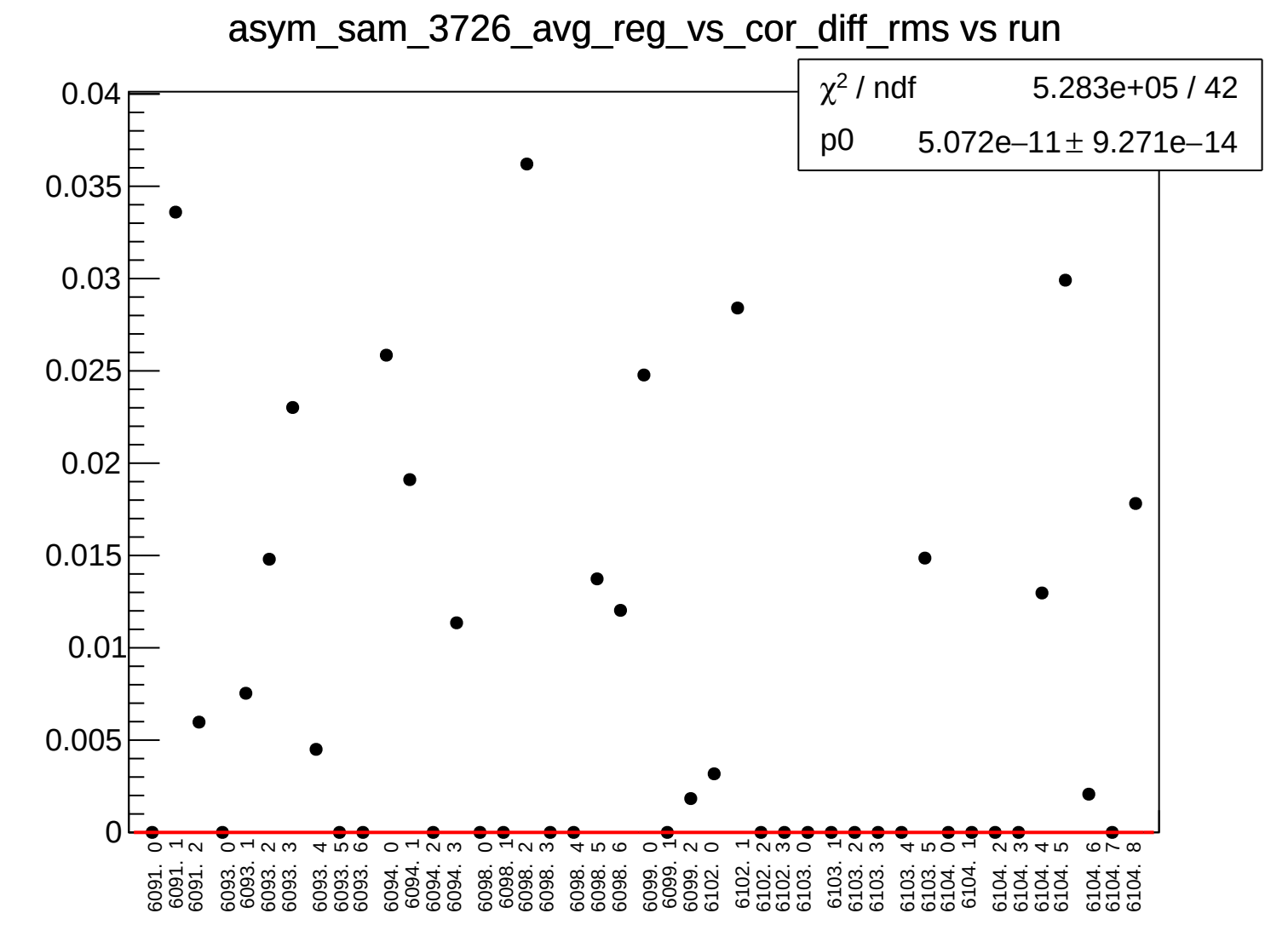

pull1D
Entries 43
Mean 0.003184
Std Dev 0.8622
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

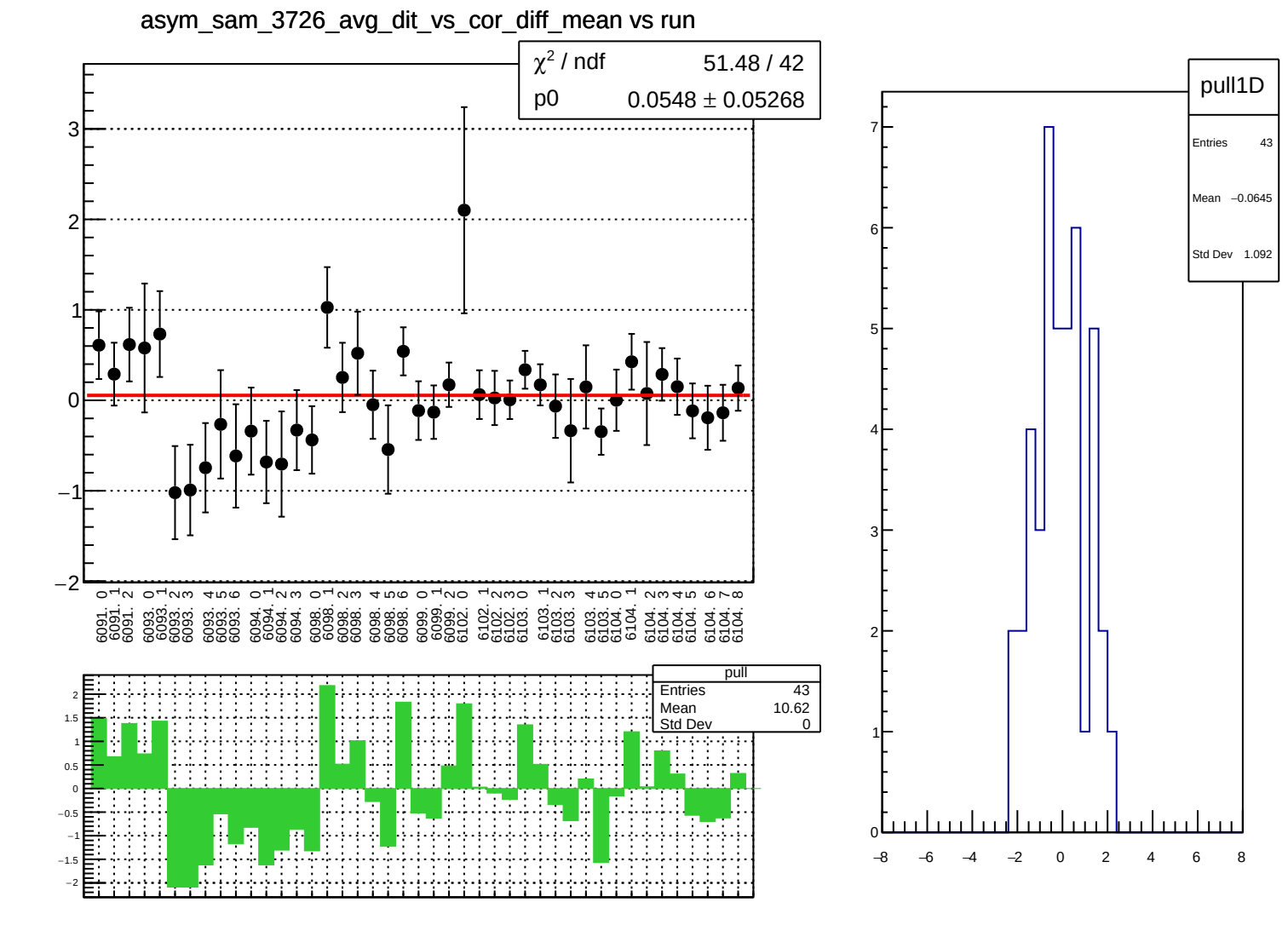

asym_sam_3726_avg_eigen_dit_correction_rms vs run
χ² / ndf 3473 / 42
p0 1044 ± 1.15
1200
1150
1100
1050
1000
950
900
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

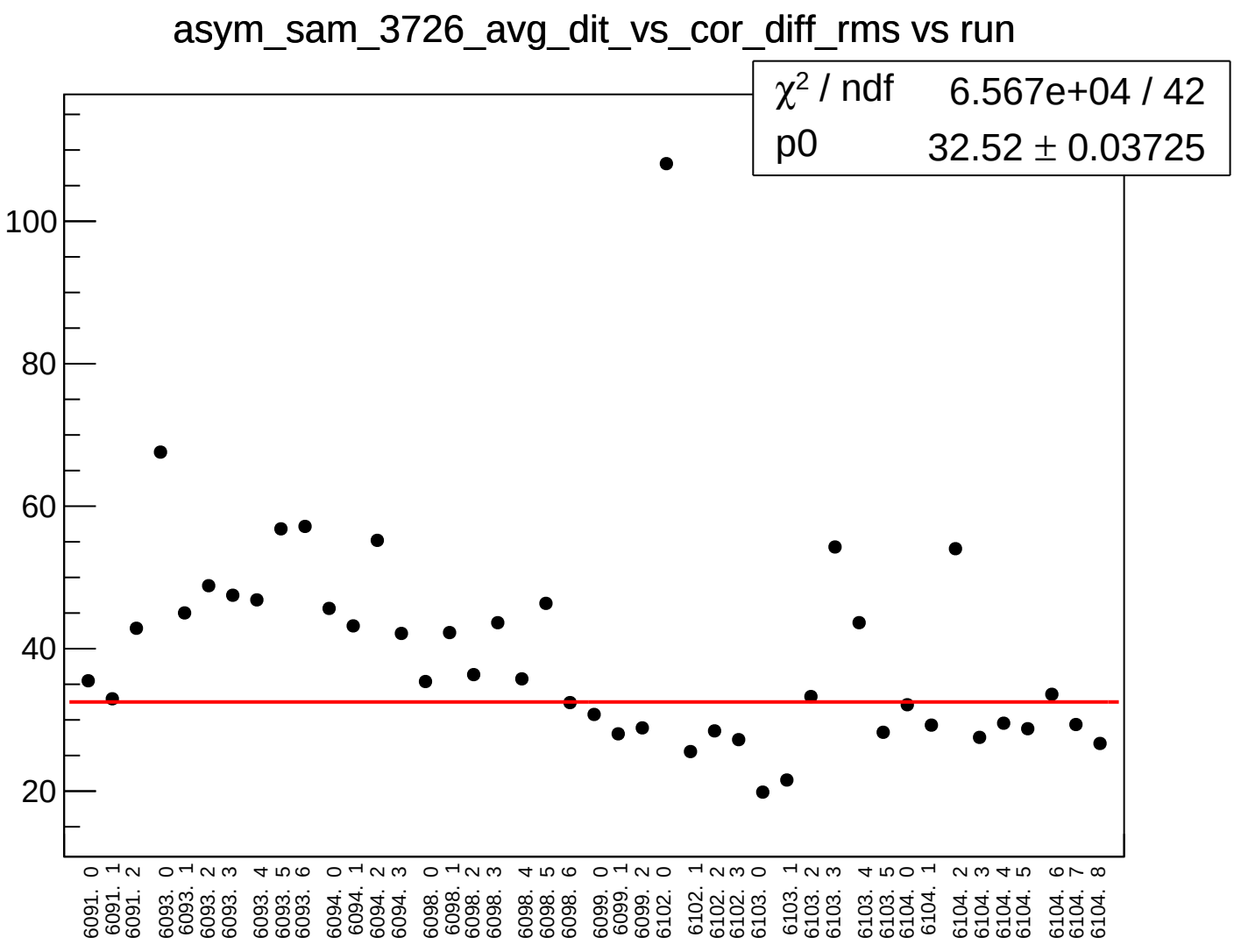

asym_sam_3726_avg_mean vs run
χ² / ndf 32.82 / 42
p0 −336 ± 1649
40000
30000
20000
10000
0
−10000
−20000
−30000
−40000
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 32.5
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 43
Mean 0.002858
Std Dev 0.8737
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

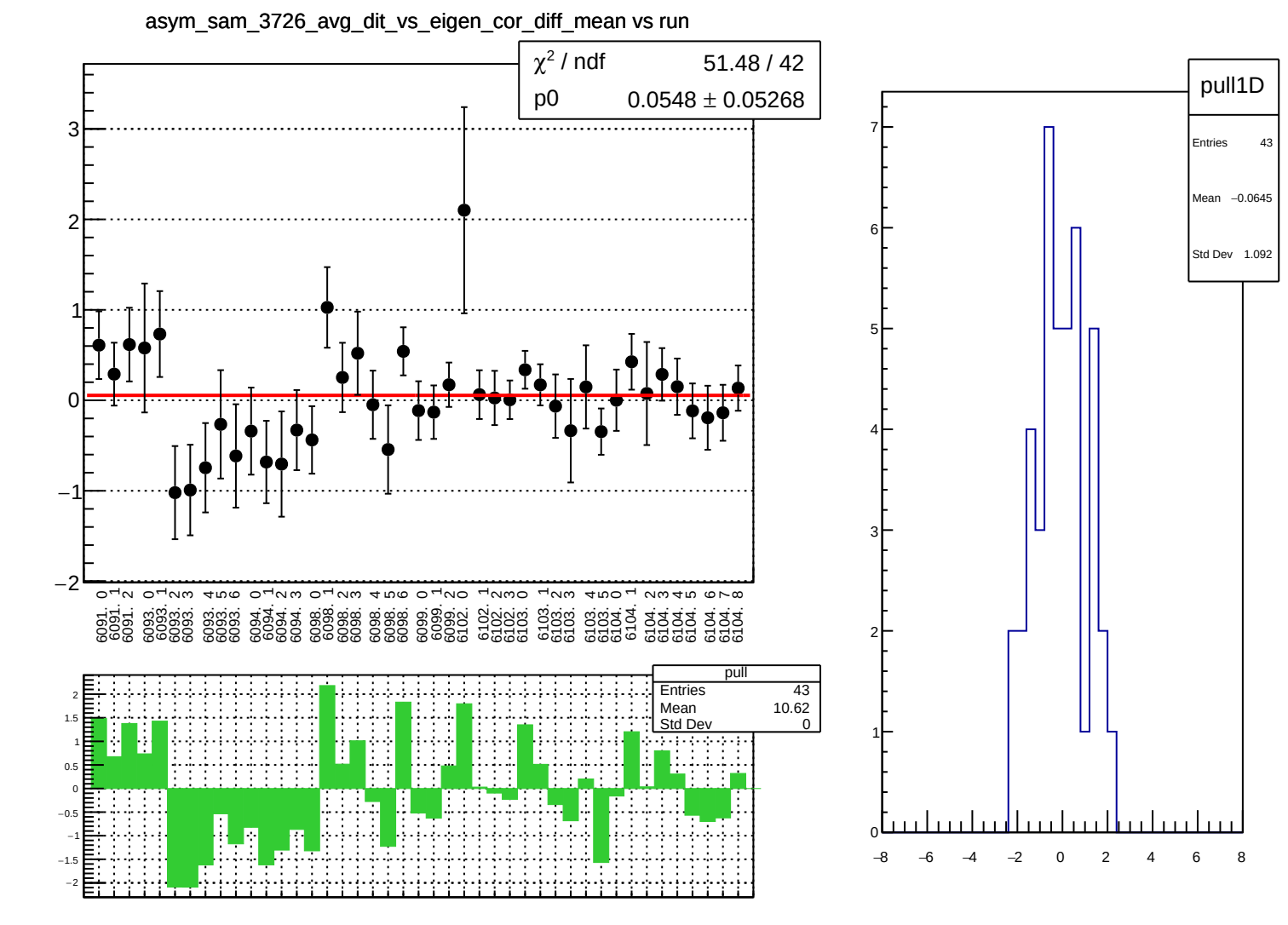

asym_sam_3726_avg_rms vs run
χ² / ndf 3431 / 42
p0 1059 ± 1.166
1200
1150
1100
1050
1000
950
900
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

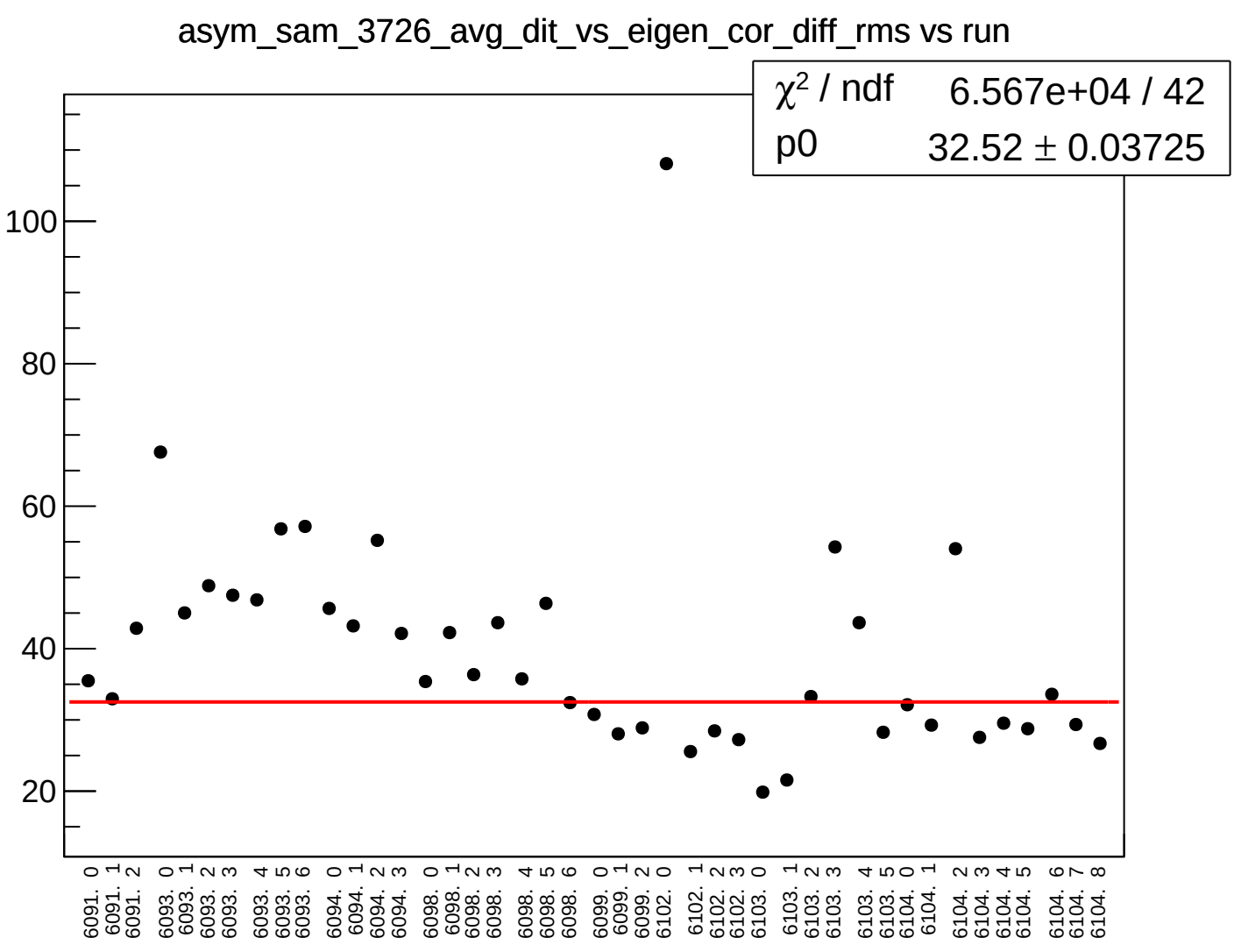

asym_sam_3726_avg_reg_vs_cor_diff_mean vs run
×10⁻³
χ² / ndf 49.53 / 42
p0 4.019e−14 ± 1.311e−13
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 0.3096
Std Dev 0
2
1
0
−1
−2
−3
pull1D
Entries 43
Mean 0.05735
Std Dev 1.072
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

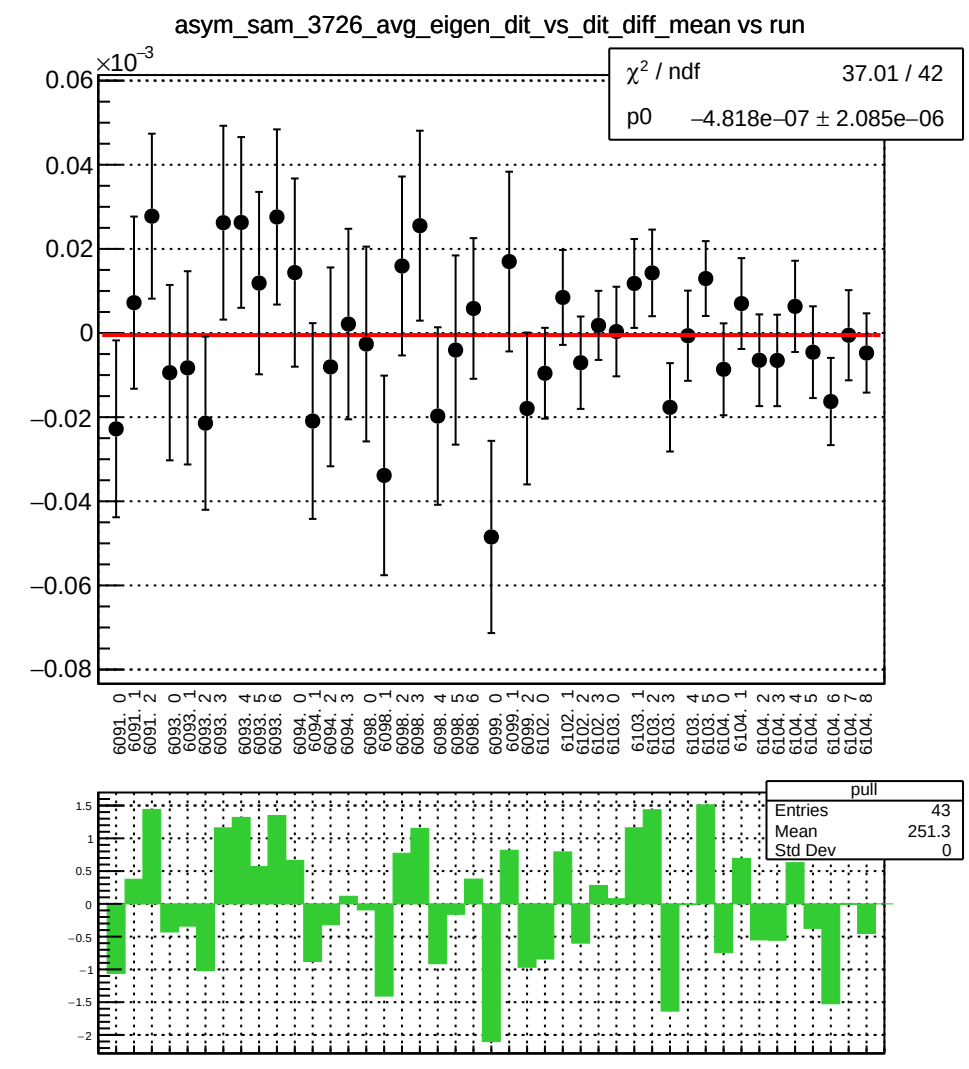

asym_sam_3726_avg_reg_vs_cor_diff_rms vs run
χ² / ndf 5.283e+05 / 42
p0 5.072e−11 ± 9.271e−14
0.04
0.035
0.03
0.025
0.02
0.015
0.01
0.005
0
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

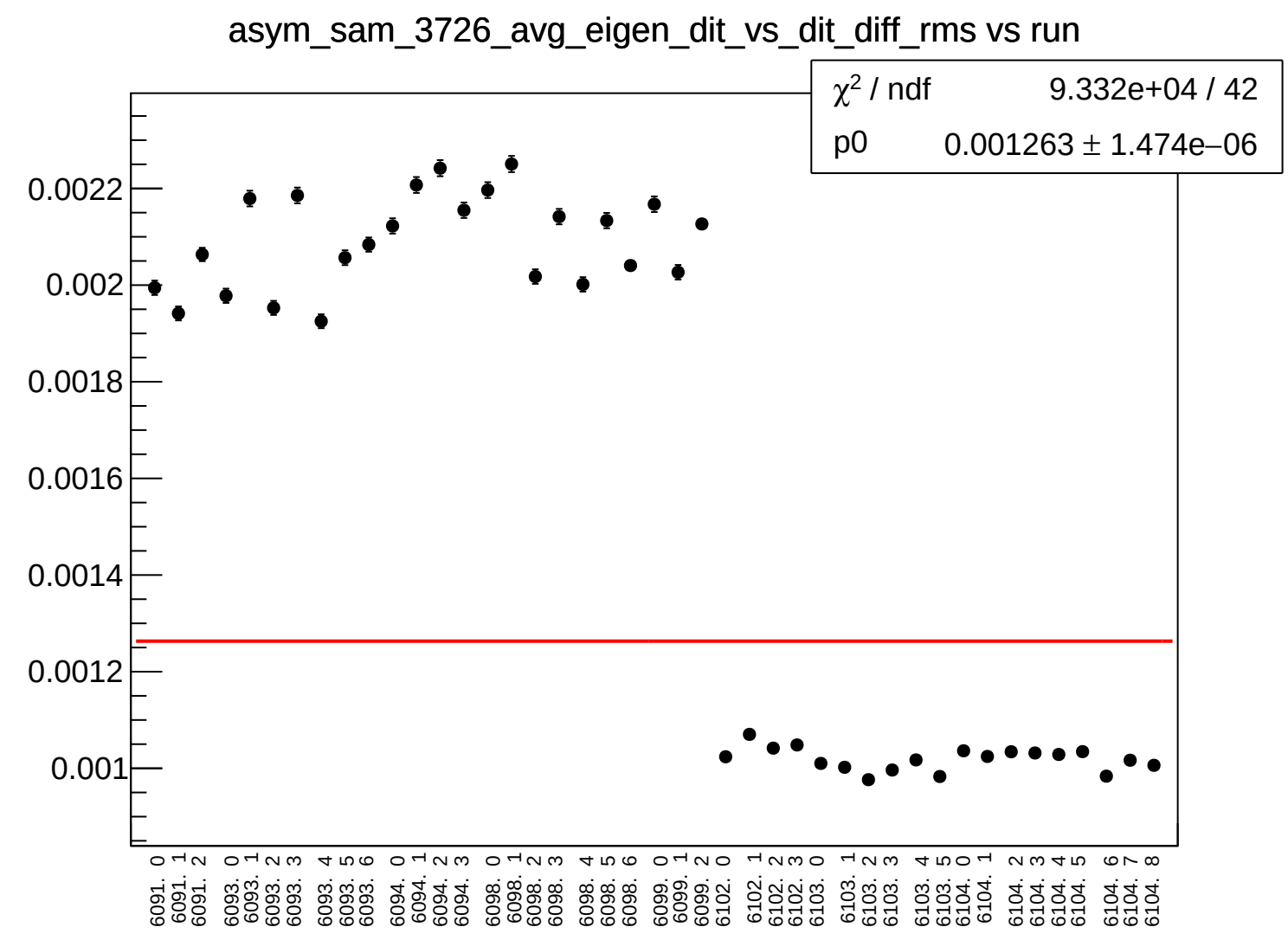

asym_sam_3726_avg_dit_vs_cor_diff_mean vs run
χ² / ndf 51.48 / 42
p0 0.0548 ± 0.05268
pull
Entries 43
Mean 10.62
Std Dev 0
pull1D
Entries 43
Mean −0.0645
Std Dev 1.092

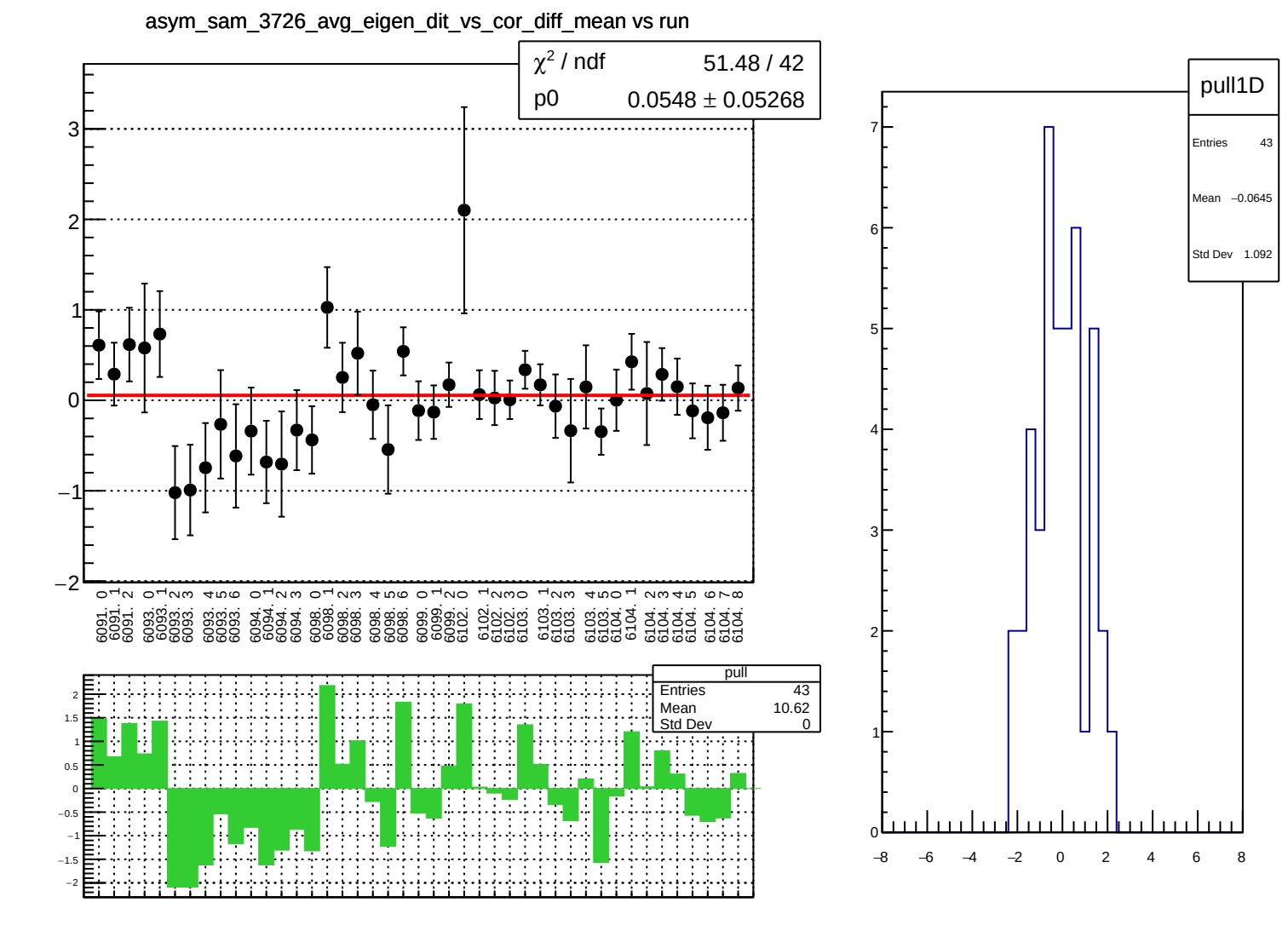

asym_sam_3726_avg_dit_vs_cor_diff_rms vs run
χ² / ndf 6.567e+04 / 42
p0 32.52 ± 0.03725
100
80
60
40
20
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

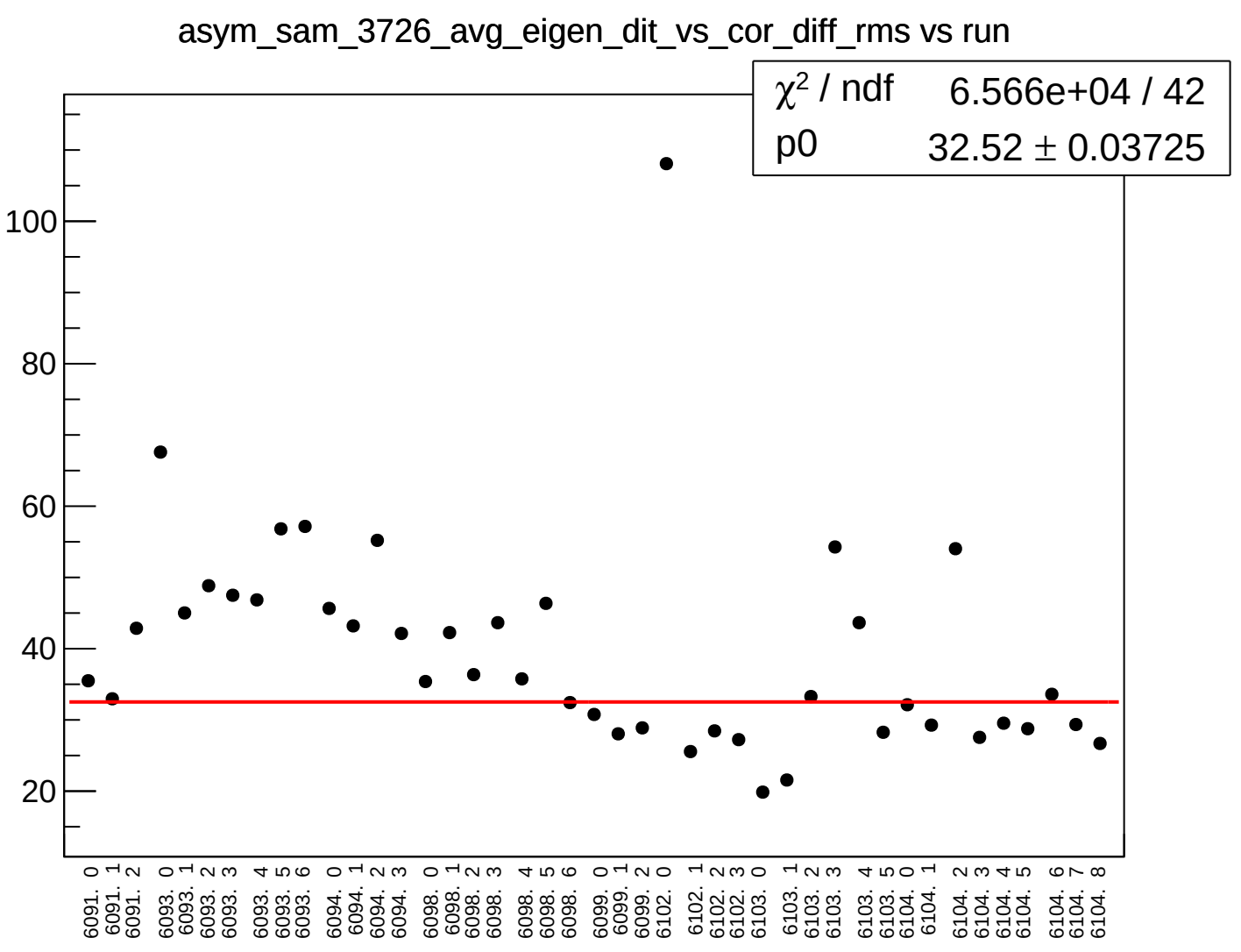

asym_sam_3726_avg_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 51.48 / 42
p0 0.0548 ± 0.05268
pull
Entries 43
Mean 10.62
Std Dev 0
pull1D
Entries 43
Mean −0.0645
Std Dev 1.092

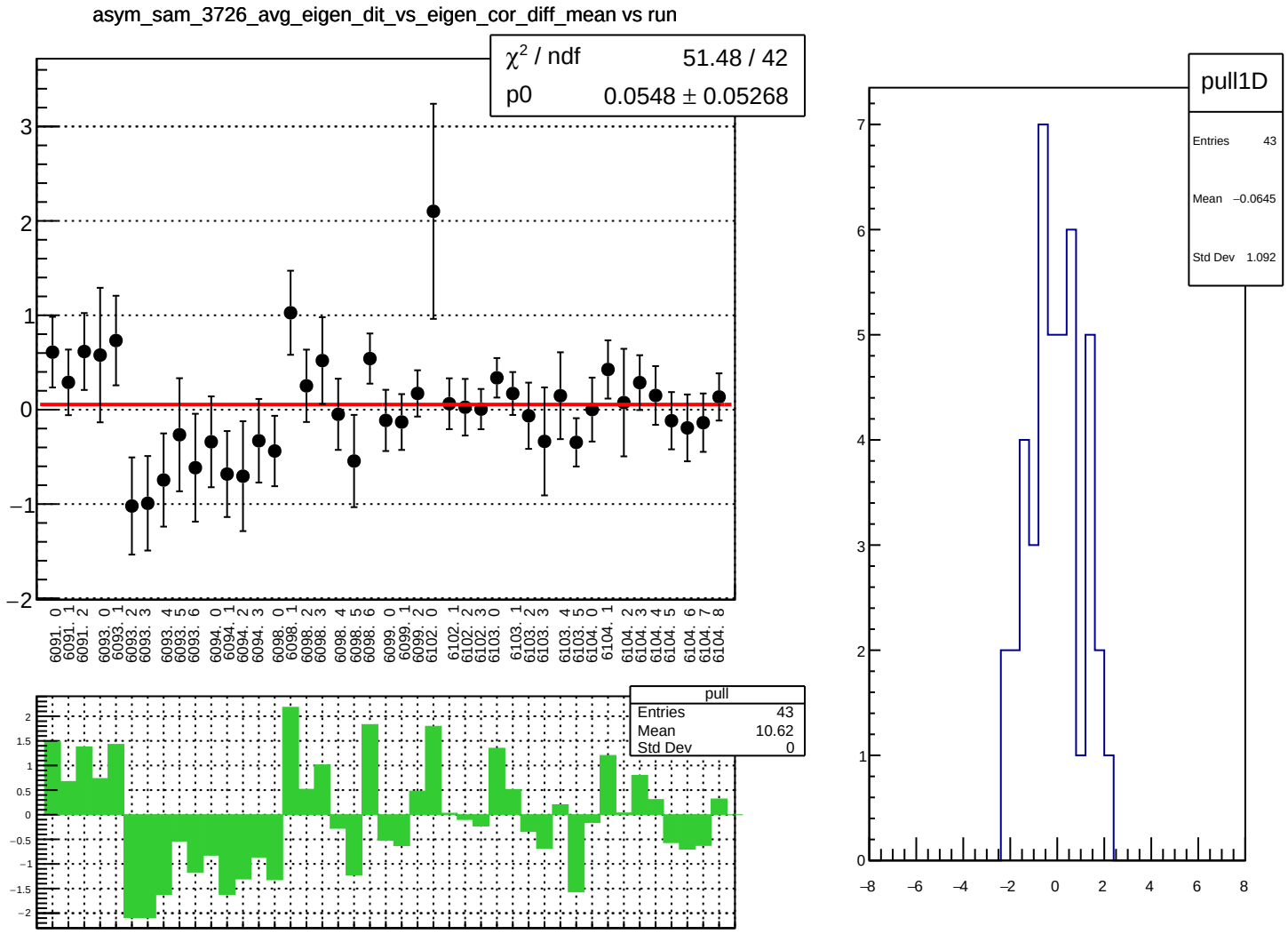

asym_sam_3726_avg_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 6.567e+04 / 42
p0 32.52 ± 0.03725
100
80
60
40
20
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

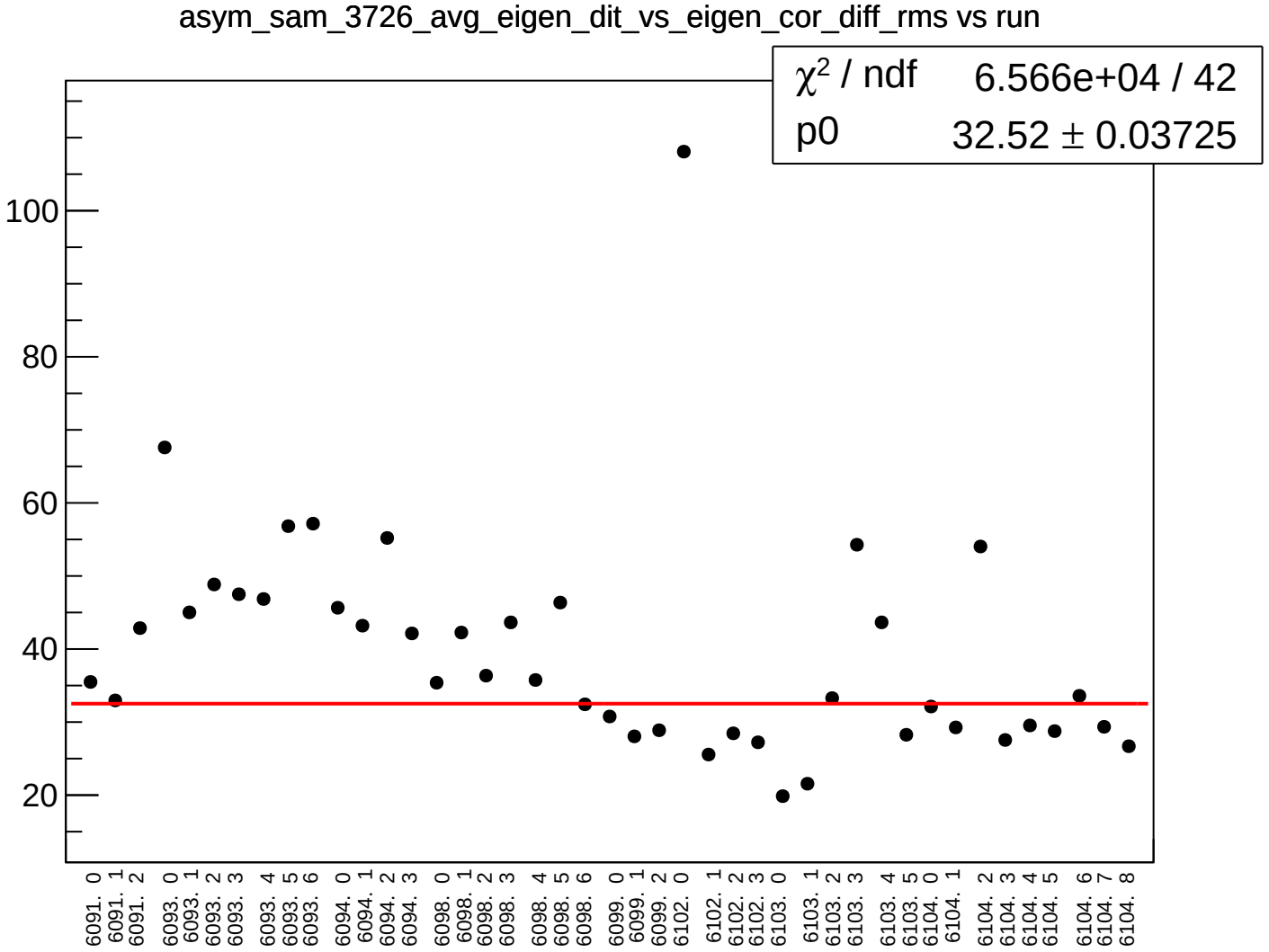

asym_sam_3726_avg_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 37.01 / 42
p0 −4.818e−07 ± 2.085e−06
0.06
0.04
0.02
0
−0.02
−0.04
−0.06
−0.08
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 251.3
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 43
Mean −0.006544
Std Dev 0.9277
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

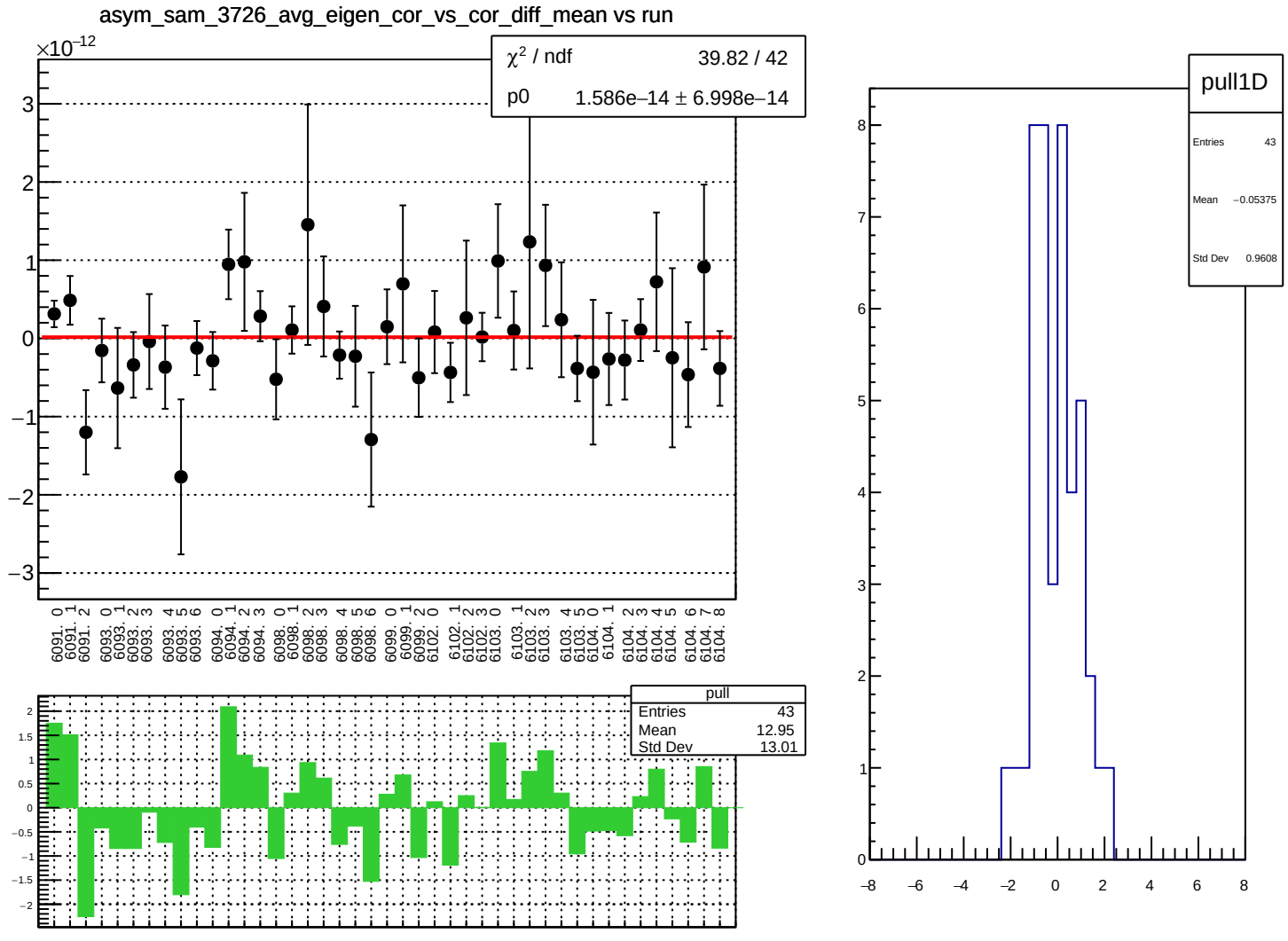

asym_sam_3726_avg_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 9.332e+04 / 42
p0 0.001263 ± 1.474e−06
0.0022
0.002
0.0018
0.0016
0.0014
0.0012
0.001
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

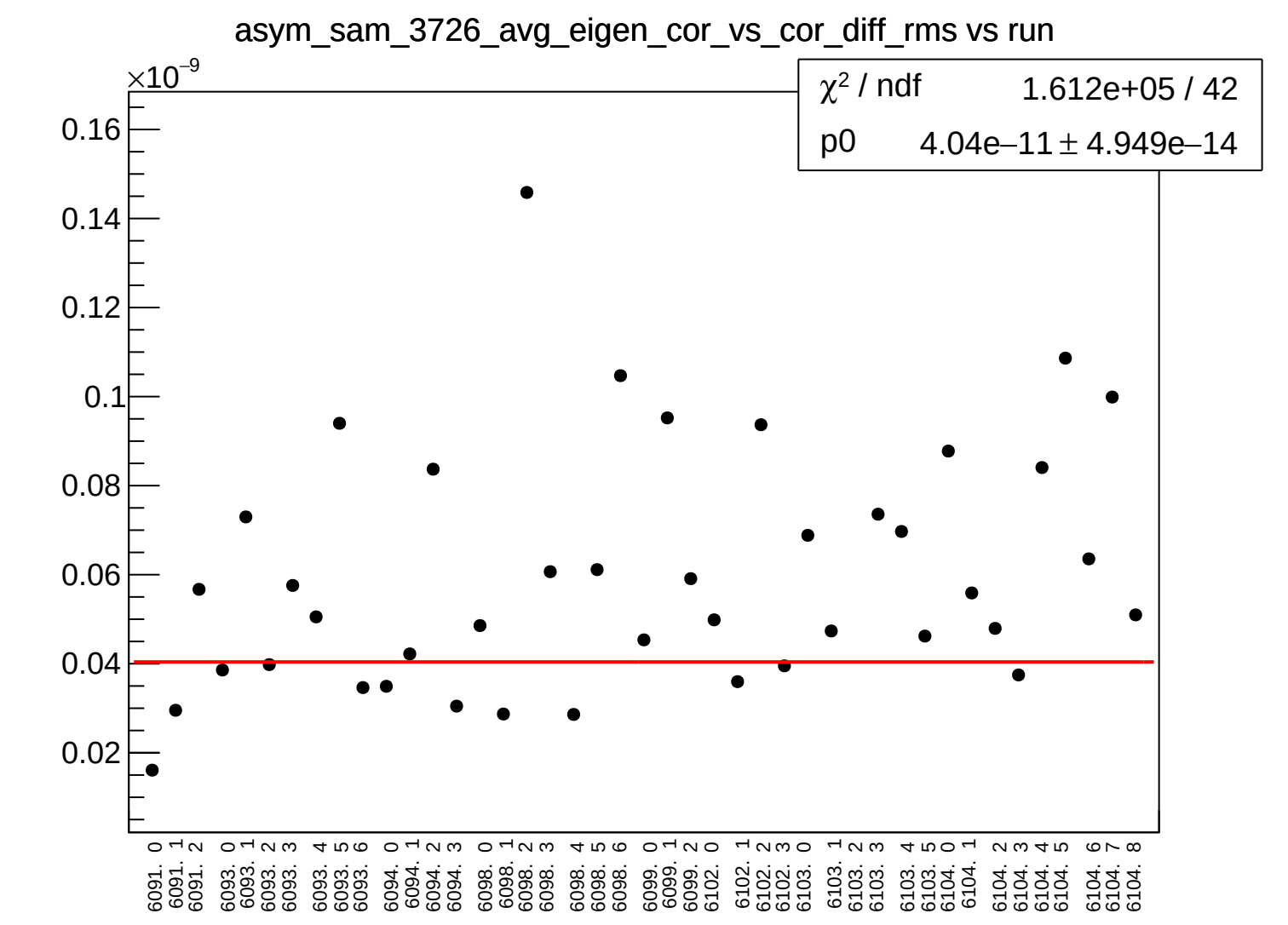

asym_sam_3726_avg_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 51.48 / 42
p0 0.0548 ± 0.05268
pull
Entries 43
Mean 10.62
Std Dev 0
pull1D
Entries 43
Mean −0.0645
Std Dev 1.092

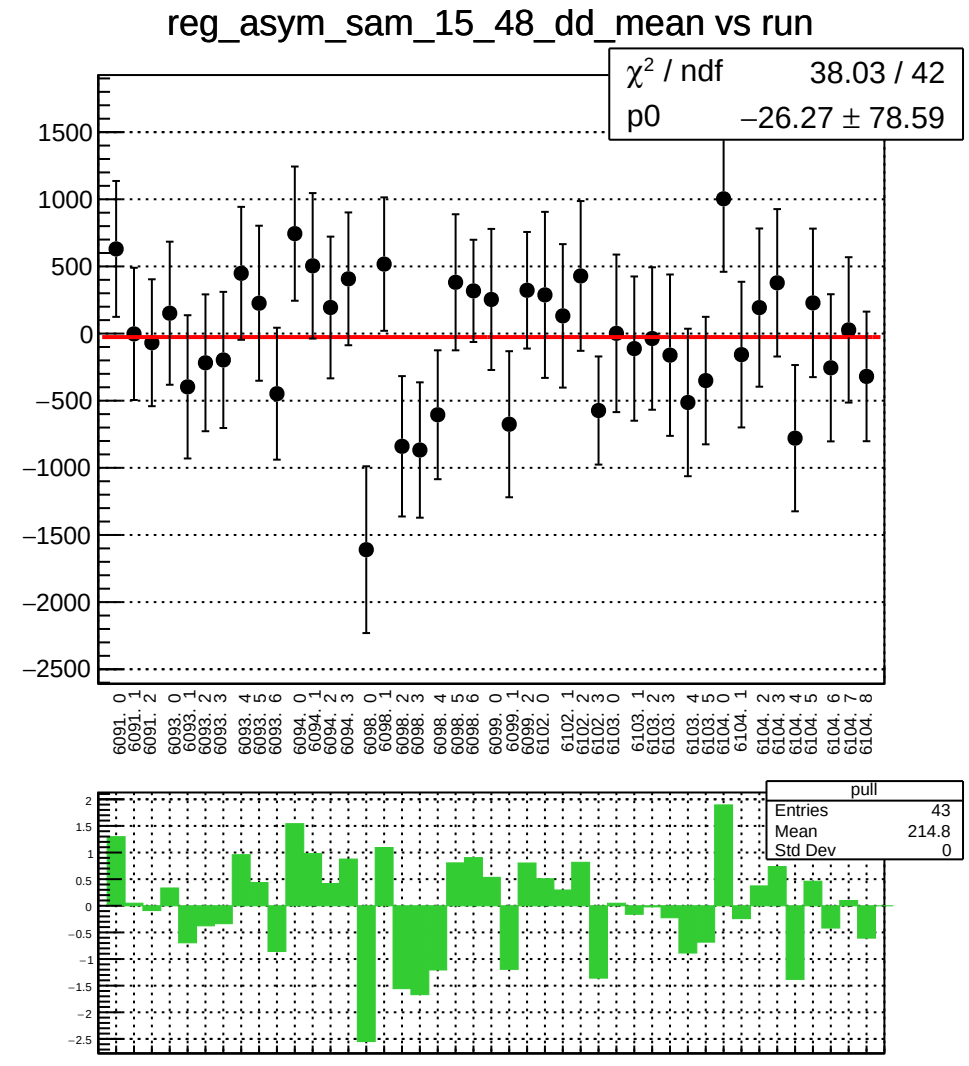

asym_sam_3726_avg_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 6.566e+04 / 42
p0 32.52 ± 0.03725
100
80
60
40
20
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

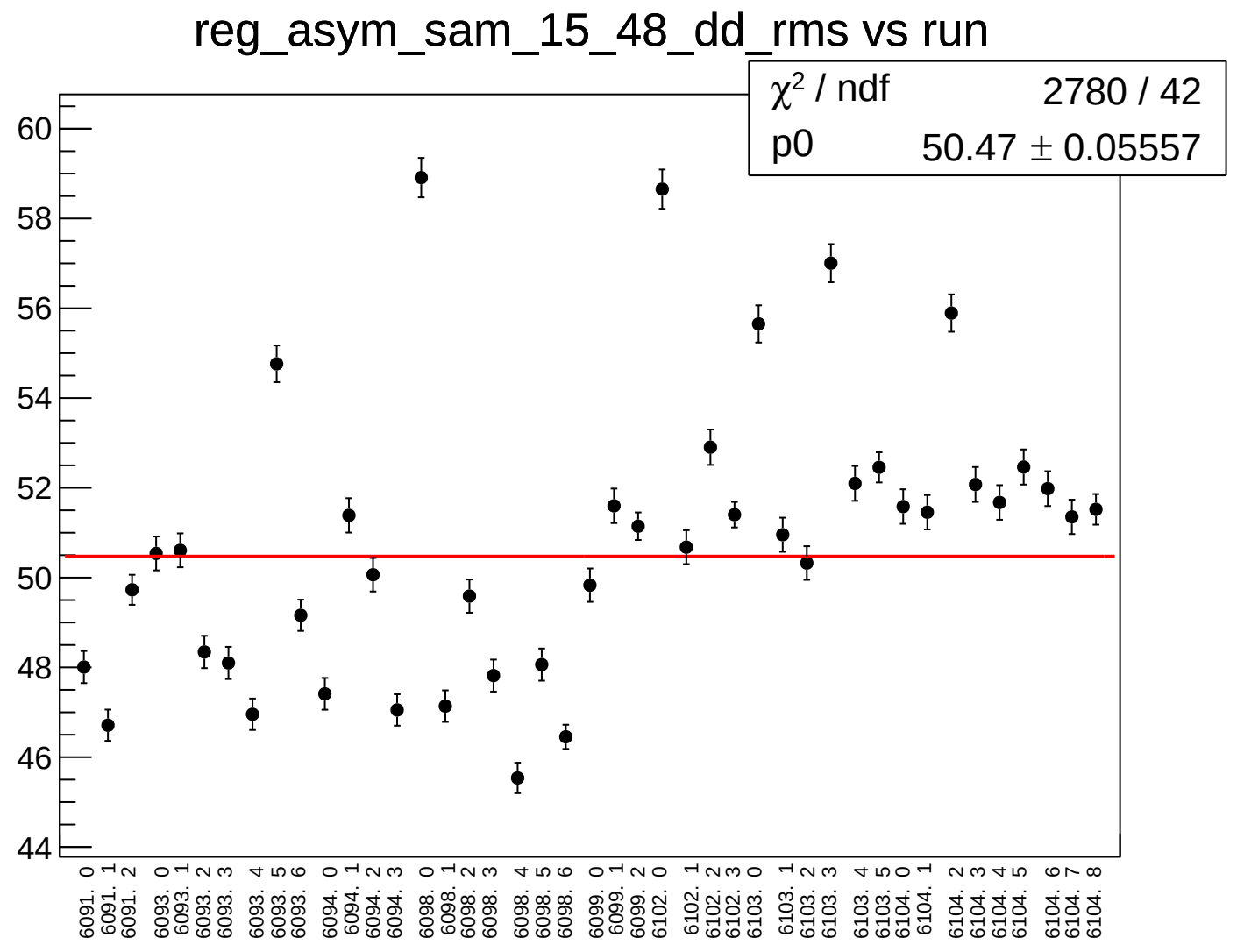

asym_sam_3726_avg_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 51.48 / 42
p0 0.0548 ± 0.05268
pull
Entries 43
Mean 10.62
Std Dev 0
pull1D
Entries 43
Mean −0.0645
Std Dev 1.092


asym_sam_3726_avg_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 6.566e+04 / 42
p0 32.52 ± 0.03725
100
80
60
40
20
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8


asym_sam_3726_avg_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 39.82 / 42
p0 1.586e−14 ± 6.998e−14
3
2
1
0
−1
−2
−3
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 12.95
Std Dev 13.01
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 43
Mean −0.05375
Std Dev 0.9608
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


asym_sam_3726_avg_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 1.612e+05 / 42
p0 4.04e−11 ± 4.949e−14
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8


reg_asym_sam_15_48_dd_mean vs run
χ² / ndf 38.03 / 42
p0 −26.27 ± 78.59
1500
1000
500
0
−500
−1000
−1500
−2000
−2500
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 214.8
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5
pull1D
Entries 43
Mean −0.005619
Std Dev 0.9405
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


reg_asym_sam_15_48_dd_rms vs run
χ² / ndf 2780 / 42
p0 50.47 ± 0.05557
60
58
56
54
52
50
48
46
44
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
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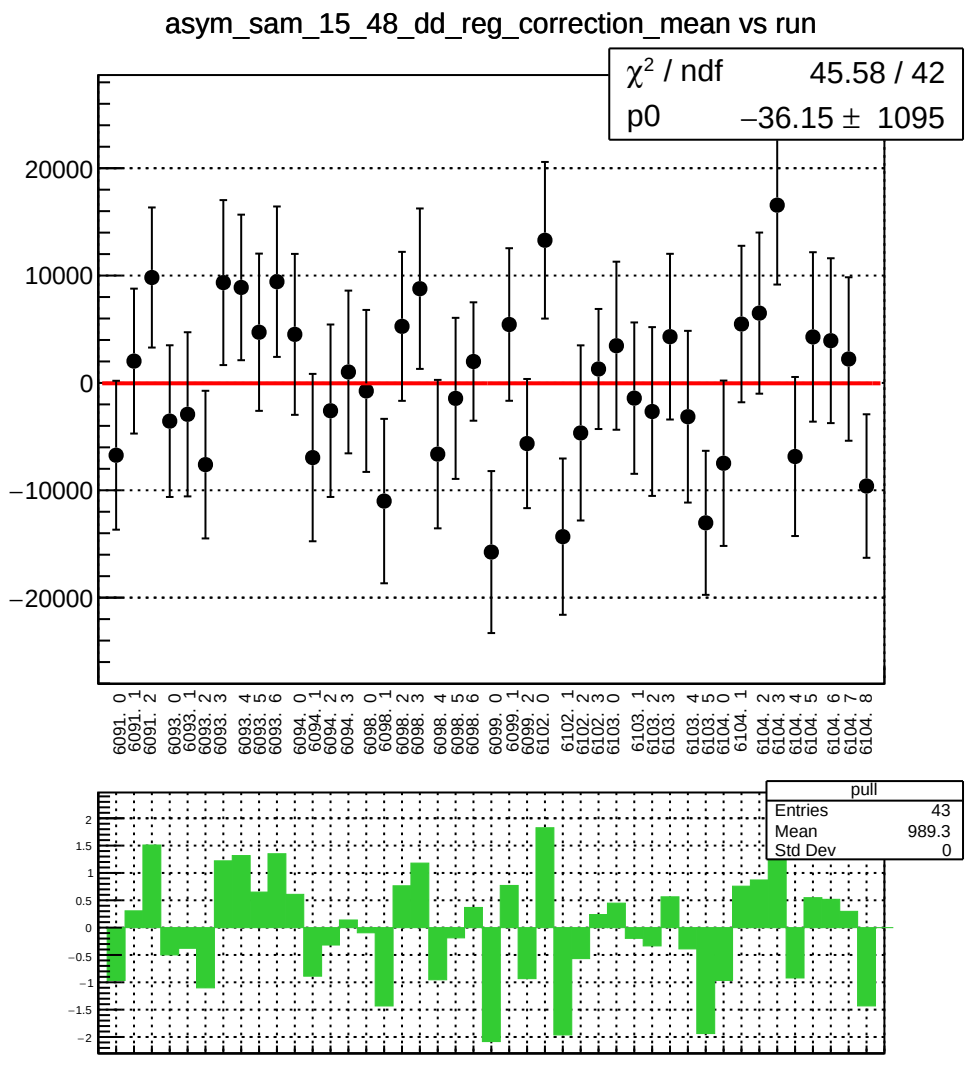
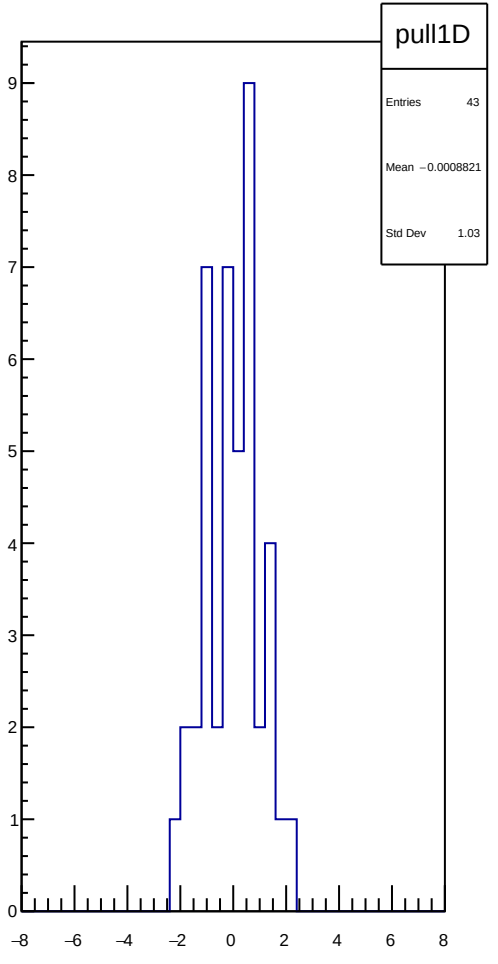
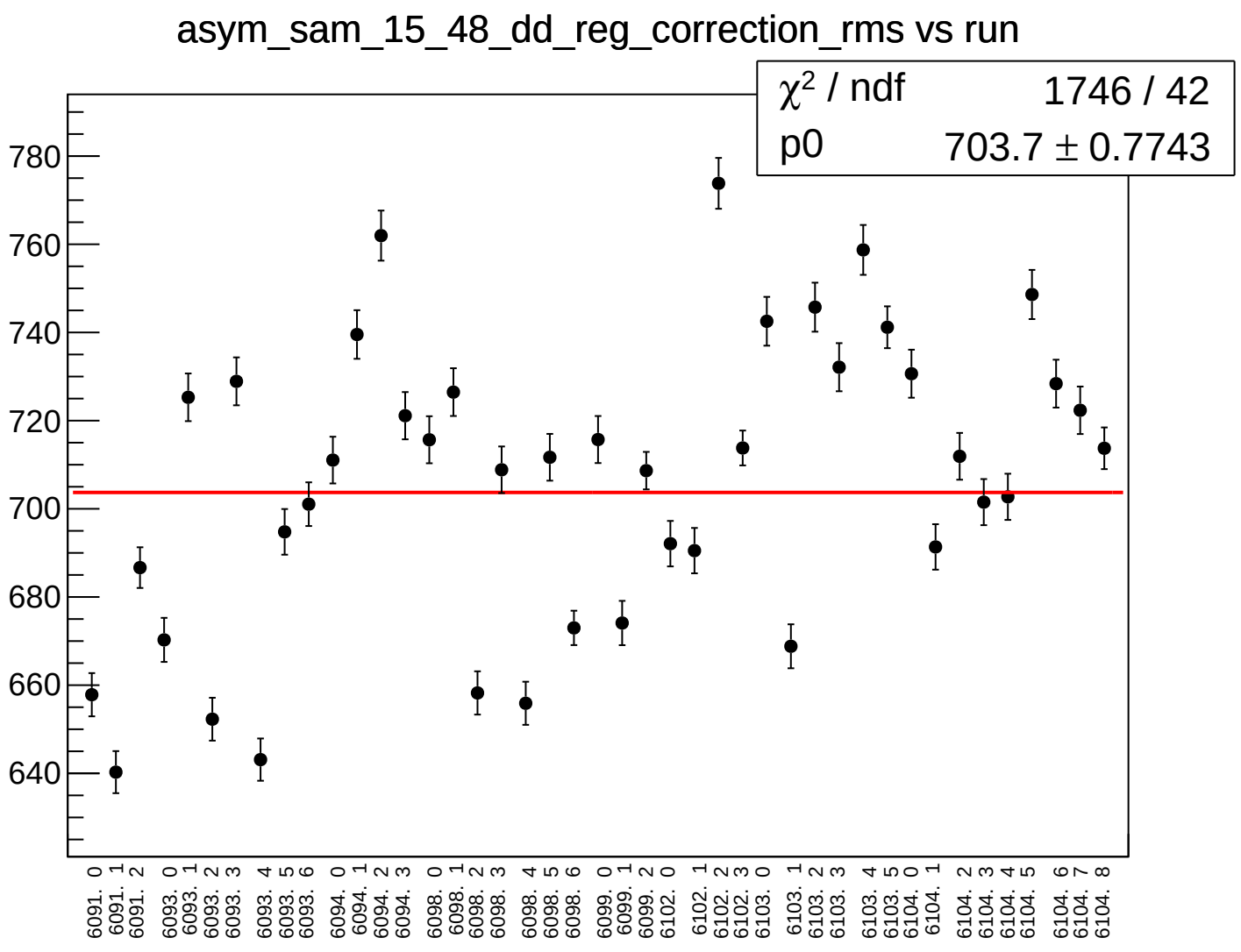
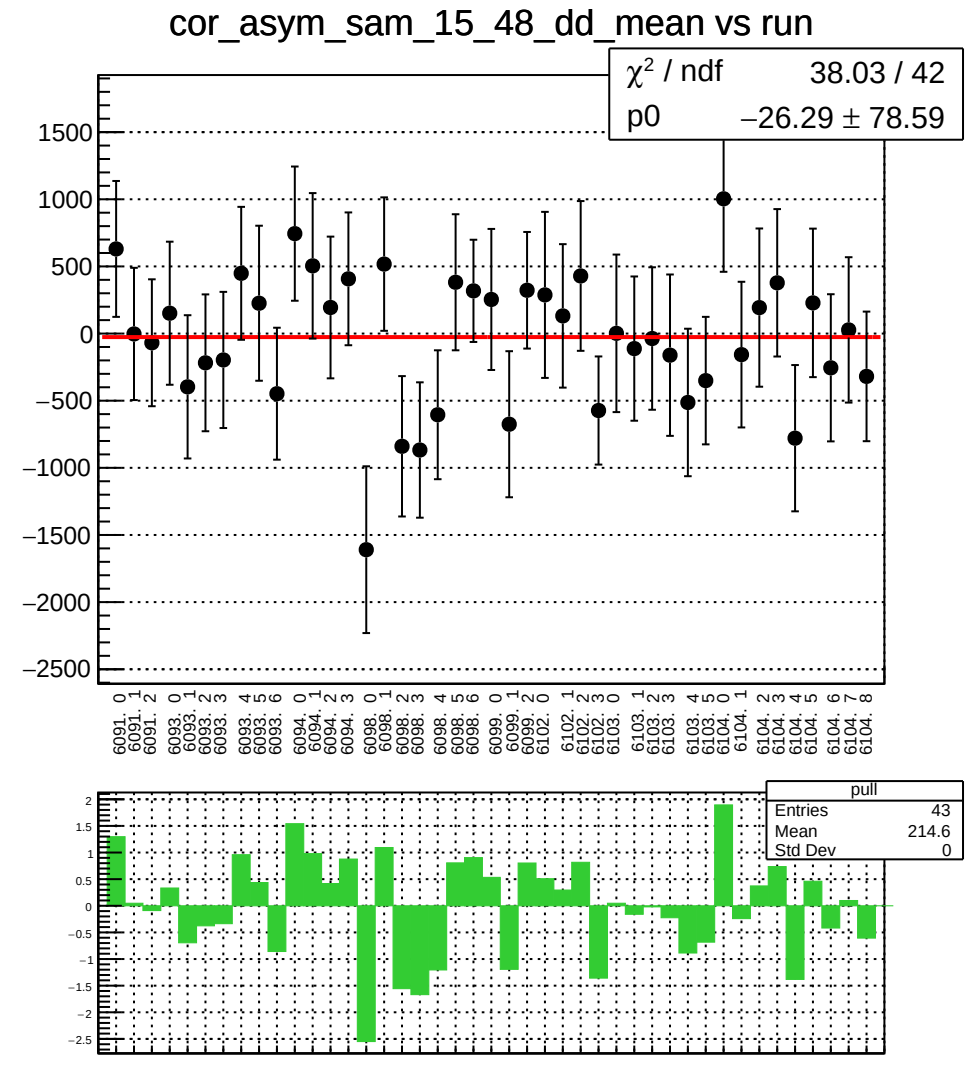
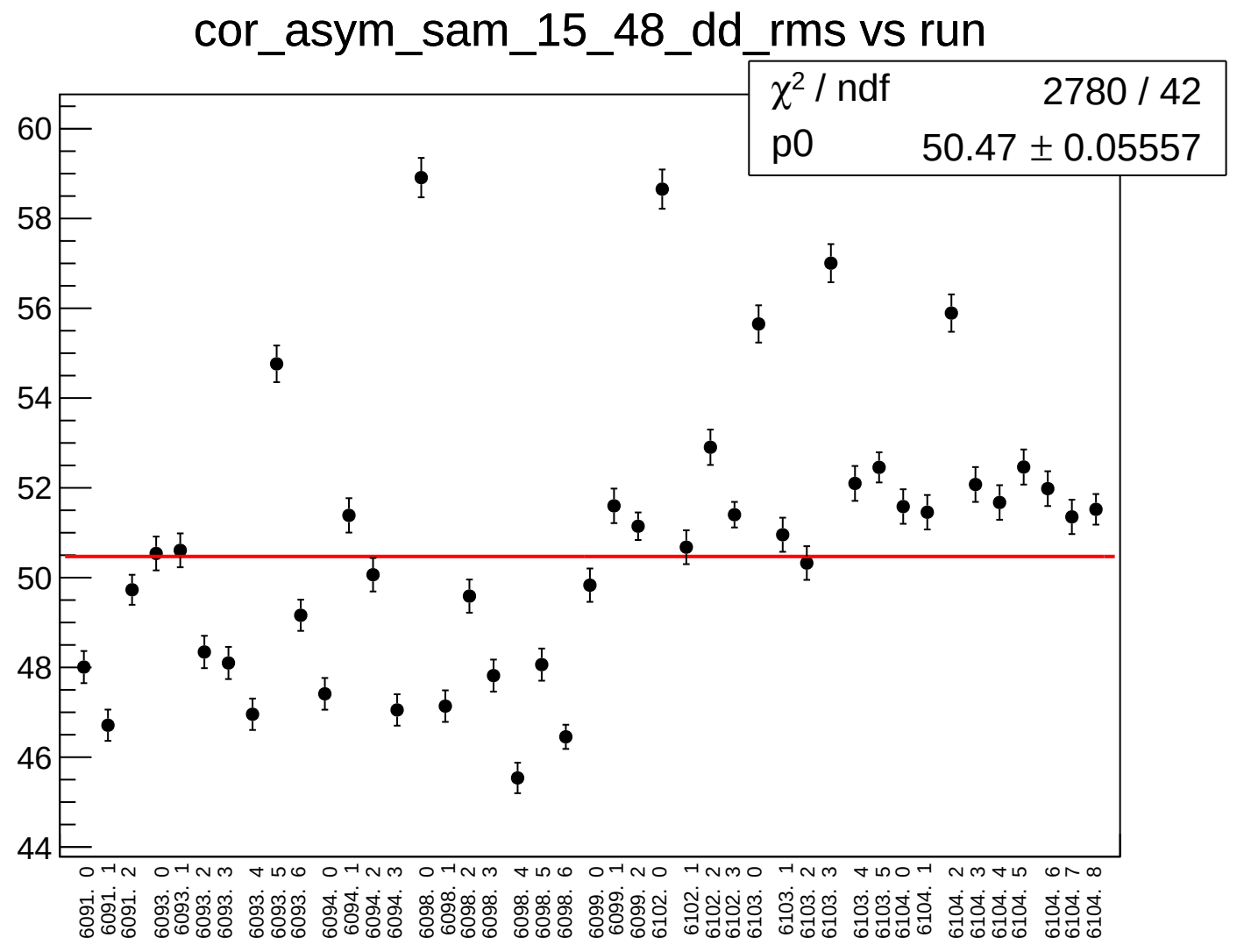
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8


asym_sam_15_48_dd_reg_correction_mean vs run
χ² / ndf 45.58 / 42
p0 −36.15 ± 1095
20000
10000
0
−10000
−20000
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 989.3
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2


pull1D
Entries 43
Mean −0.0008821
Std Dev 1.03
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


asym_sam_15_48_dd_reg_correction_rms vs run
χ² / ndf 1746 / 42
p0 703.7 ± 0.7743
780
760
740
720
700
680
660
640
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8


cor_asym_sam_15_48_dd_mean vs run
χ² / ndf 38.03 / 42
p0 −26.29 ± 78.59
1500
1000
500
0
−500
−1000
−1500
−2000
−2500
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 214.6
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5
pull1D
Entries 43
Mean −0.005621
Std Dev 0.9405
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


cor_asym_sam_15_48_dd_rms vs run
χ² / ndf 2780 / 42
p0 50.47 ± 0.05557
60
58
56
54
52
50
48
46
44
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
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6104. 2
6104. 3
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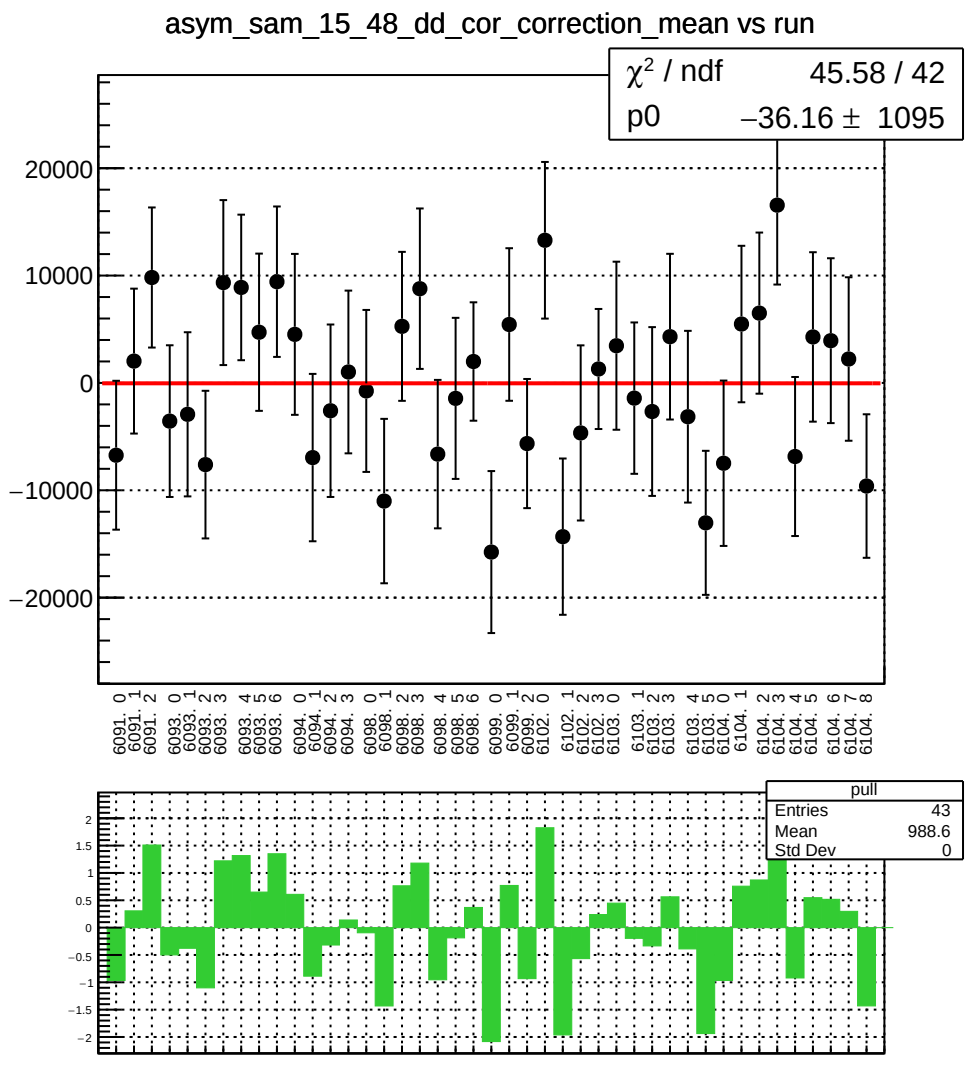
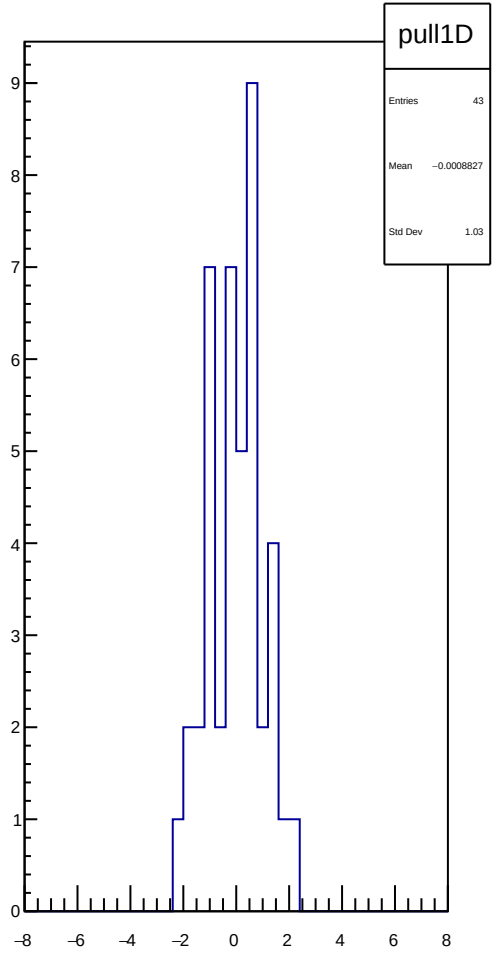
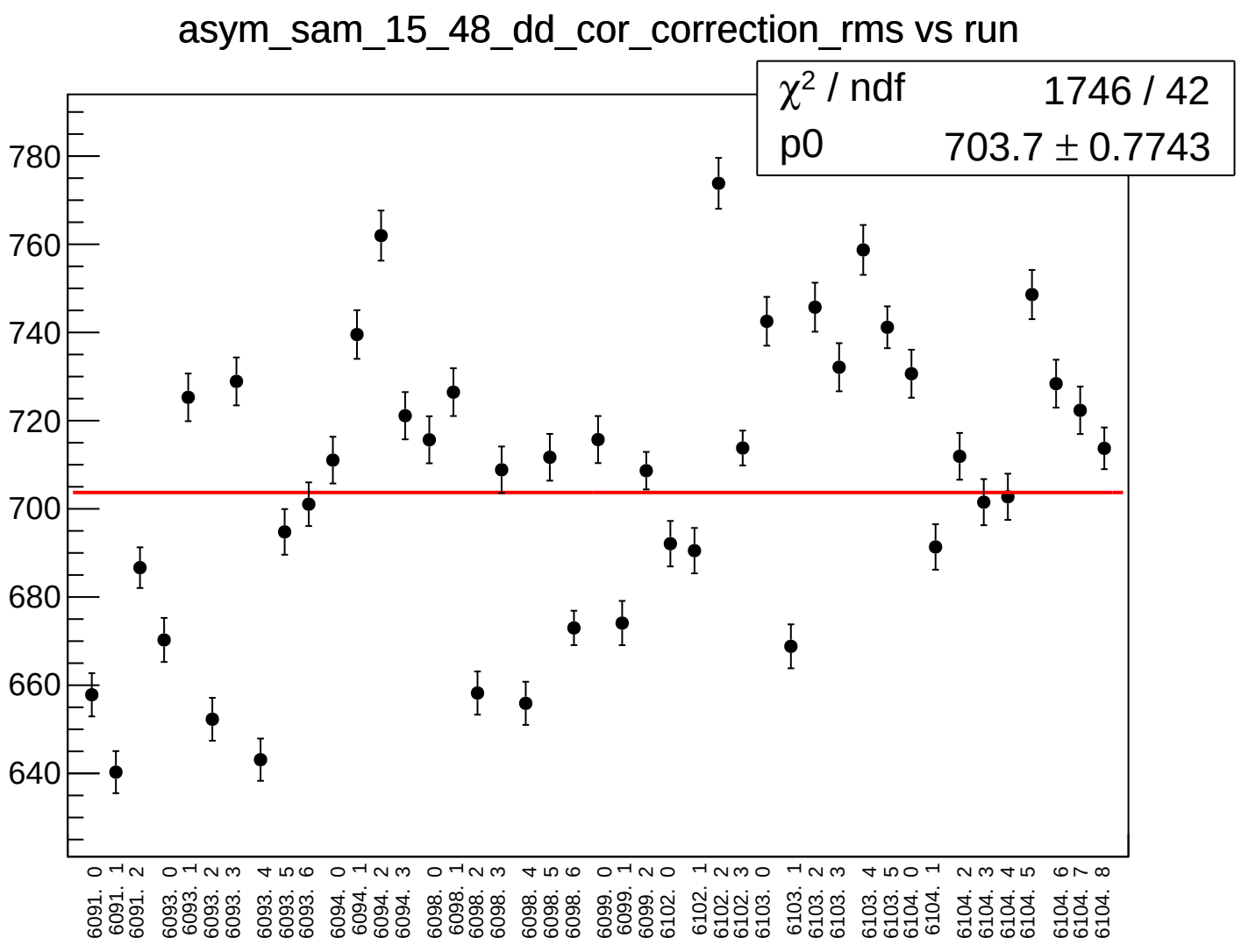
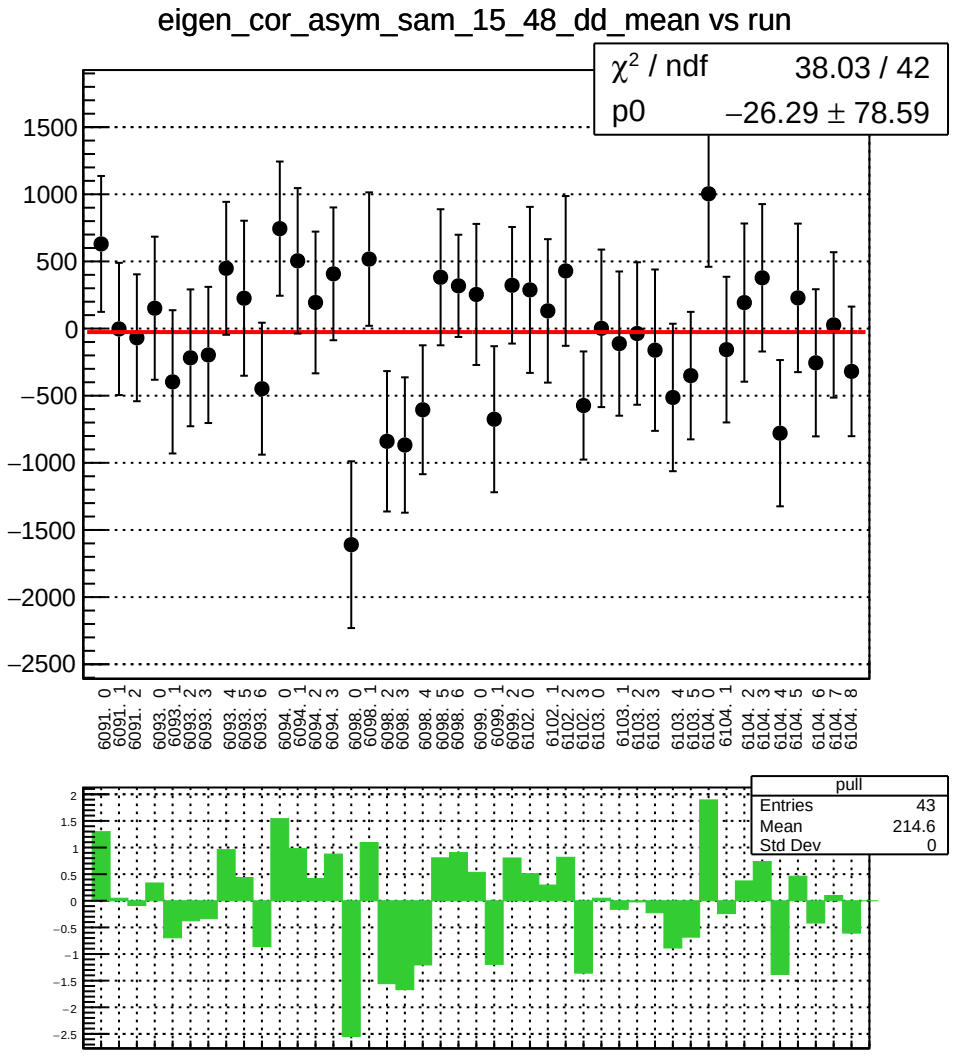
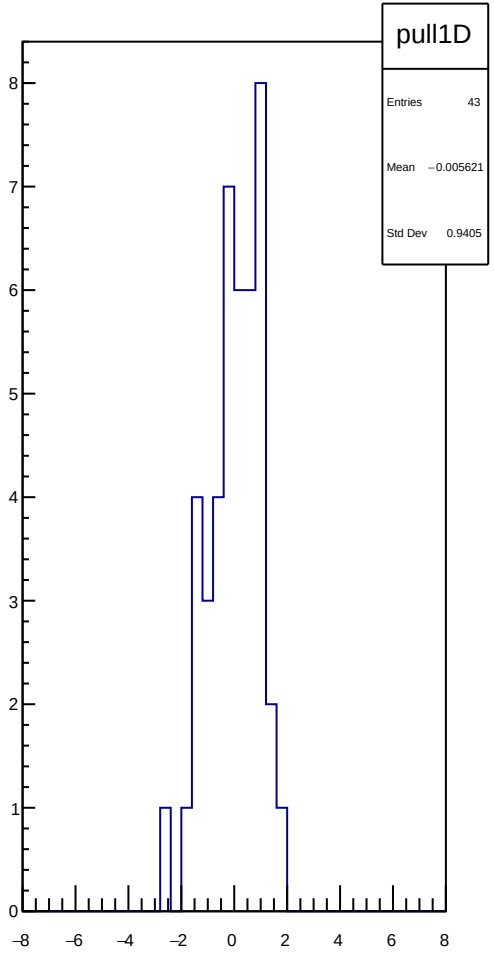
6104. 6
6104. 7
6104. 8

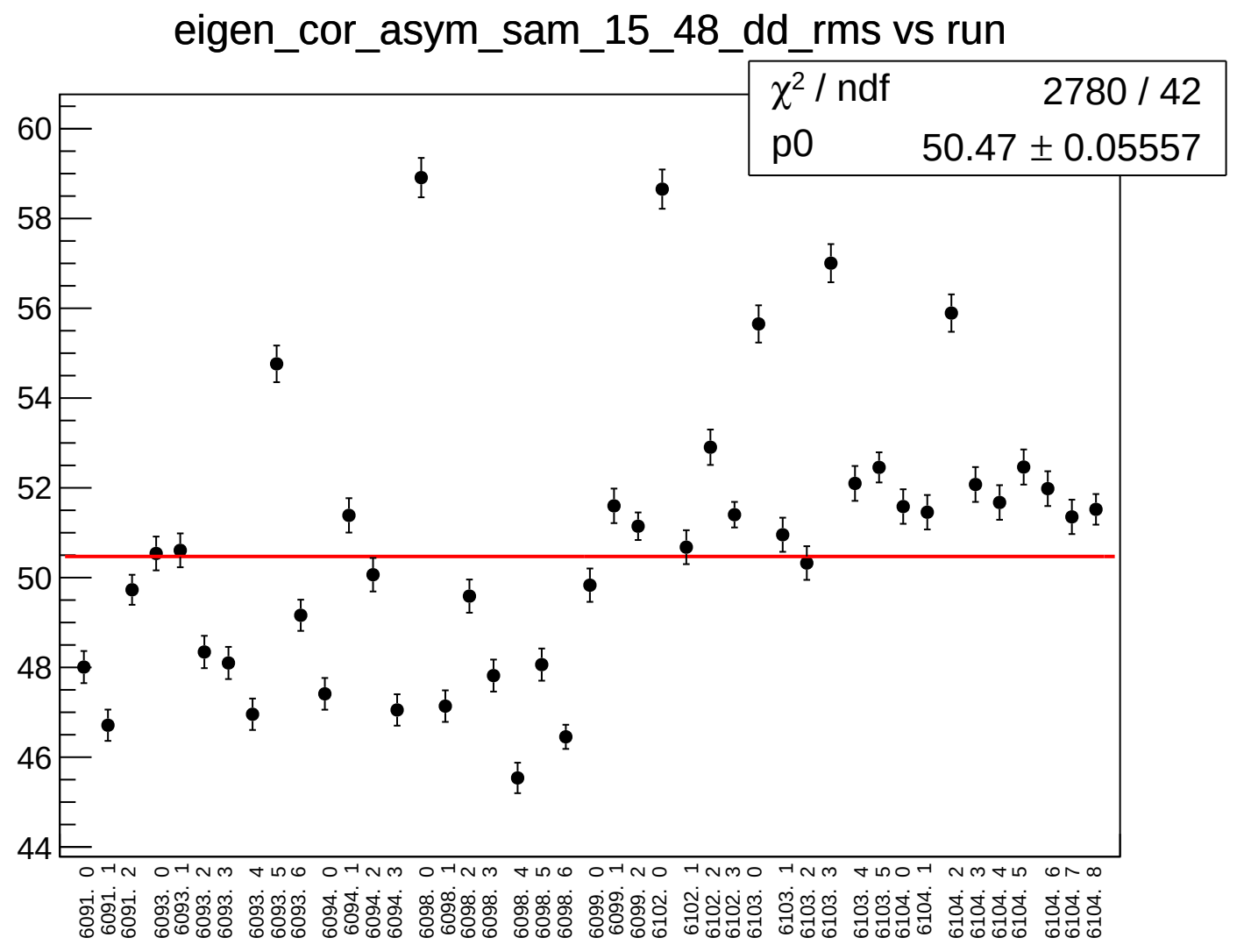

asym_sam_15_48_dd_cor_correction_mean vs run
χ² / ndf 45.58 / 42
p0 −36.16 ± 1095
20000
10000
0
−10000
−20000
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 988.6
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

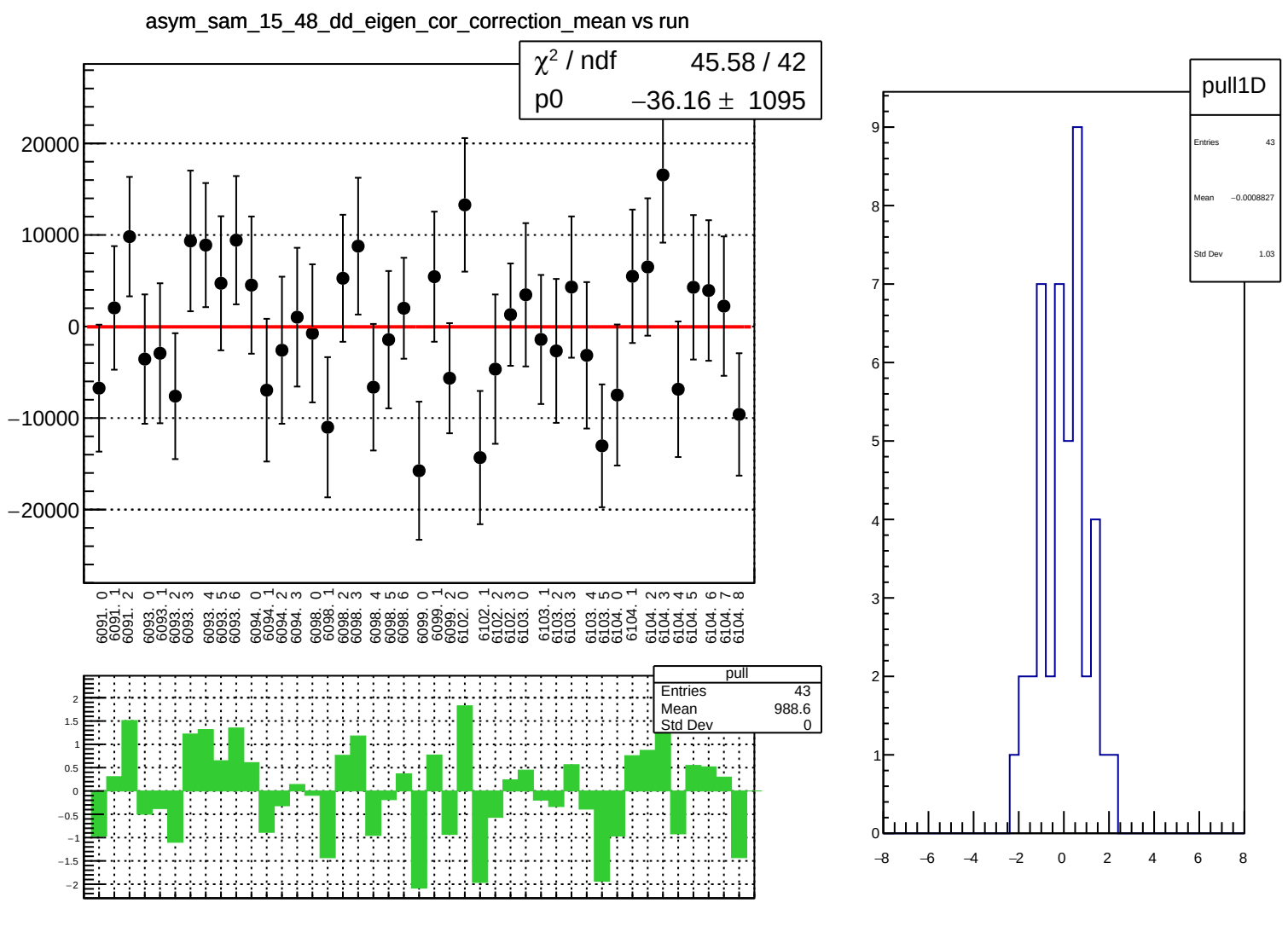

pull1D
Entries 43
Mean −0.0008827
Std Dev 1.03
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


asym_sam_15_48_dd_cor_correction_rms vs run
χ² / ndf 1746 / 42
p0 703.7 ± 0.7743
780
760
740
720
700
680
660
640
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8


eigen_cor_asym_sam_15_48_dd_mean vs run
χ² / ndf 38.03 / 42
p0 −26.29 ± 78.59
pull
Entries 43
Mean 214.6
Std Dev 0


pull1D
Entries 43
Mean −0.005621
Std Dev 0.9405


eigen_cor_asym_sam_15_48_dd_rms vs run
χ² / ndf 2780 / 42
p0 50.47 ± 0.05557
60
58
56
54
52
50
48
46
44
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8


asym_sam_15_48_dd_eigen_cor_correction_mean vs run
χ² / ndf 45.58 / 42
p0 −36.16 ± 1095
20000
10000
0
−10000
−20000
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
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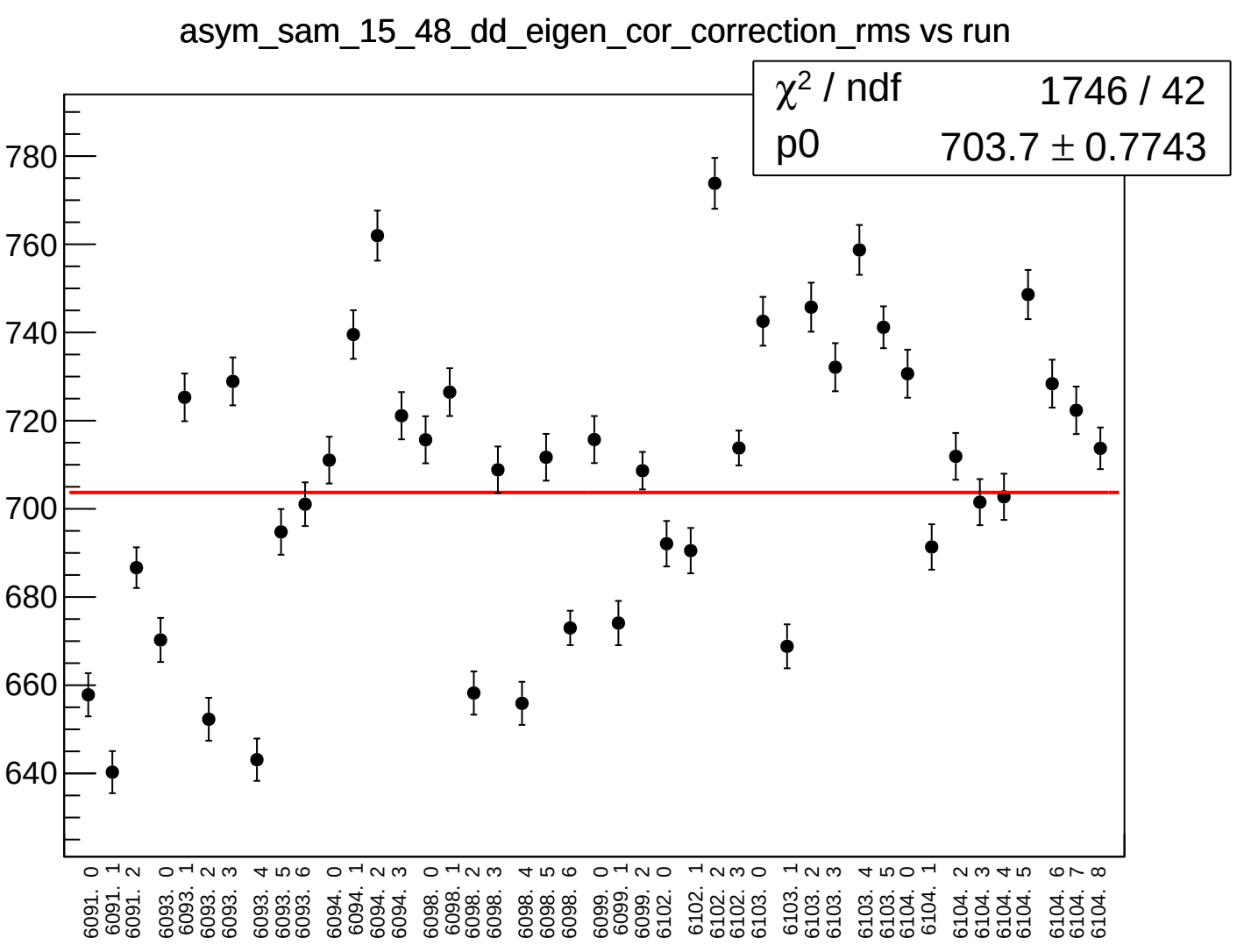
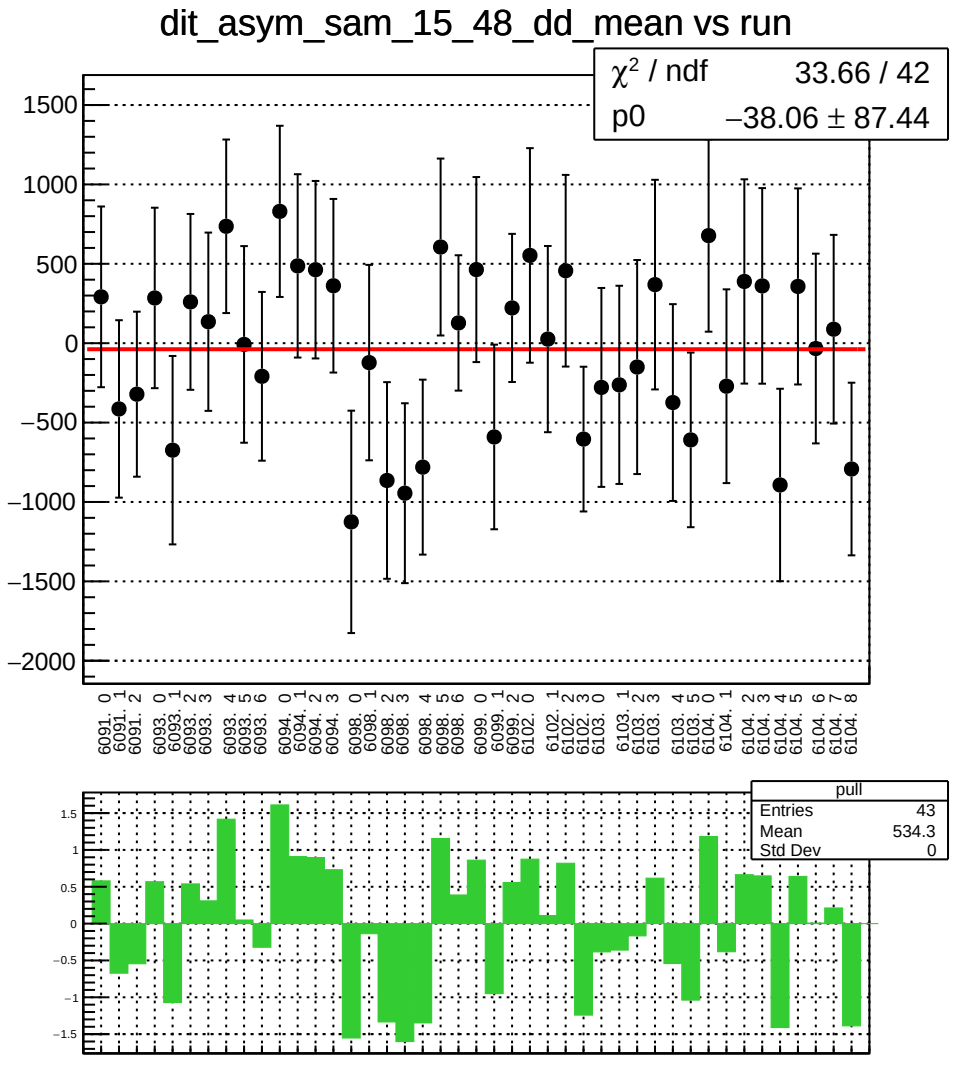
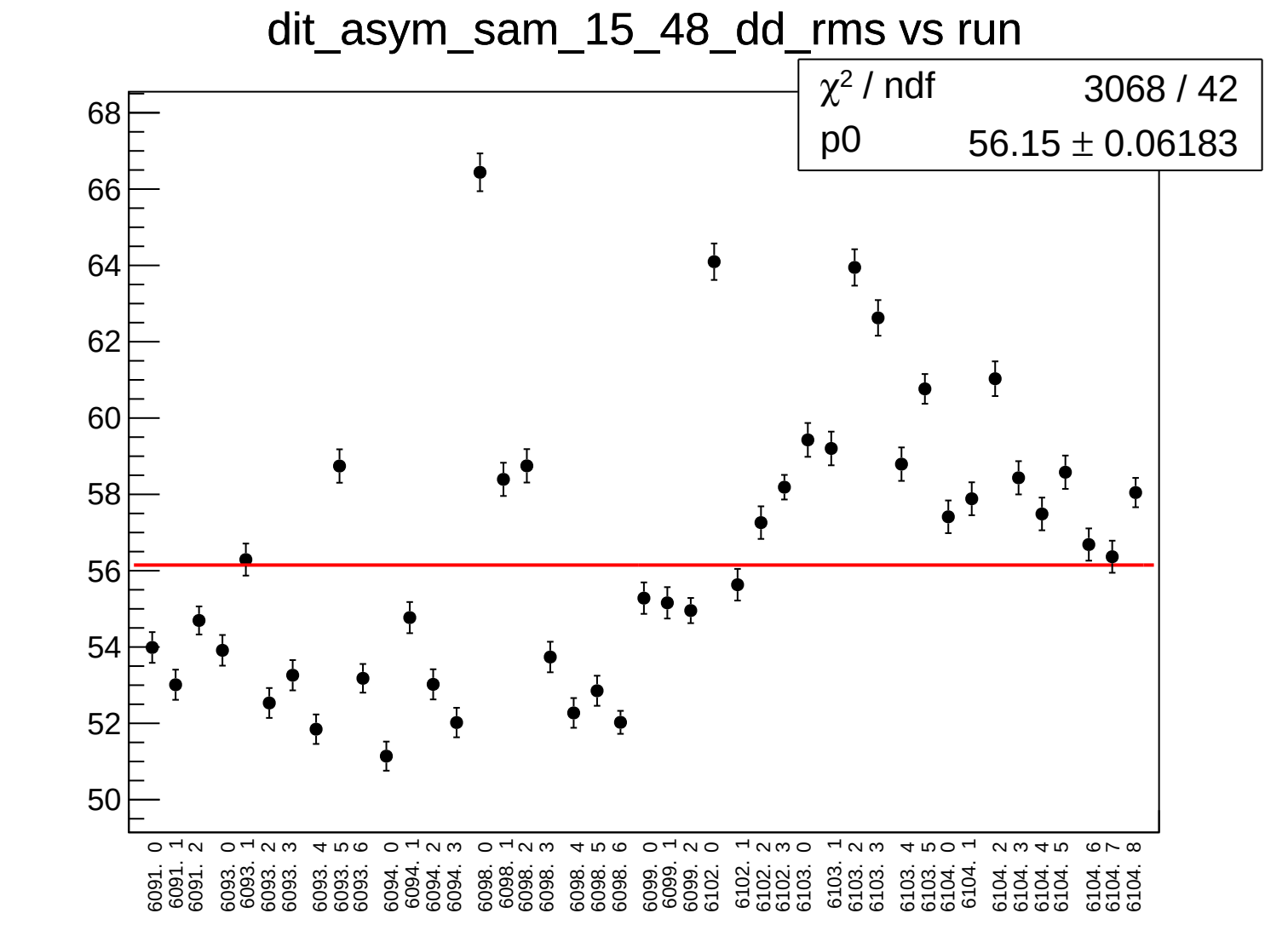
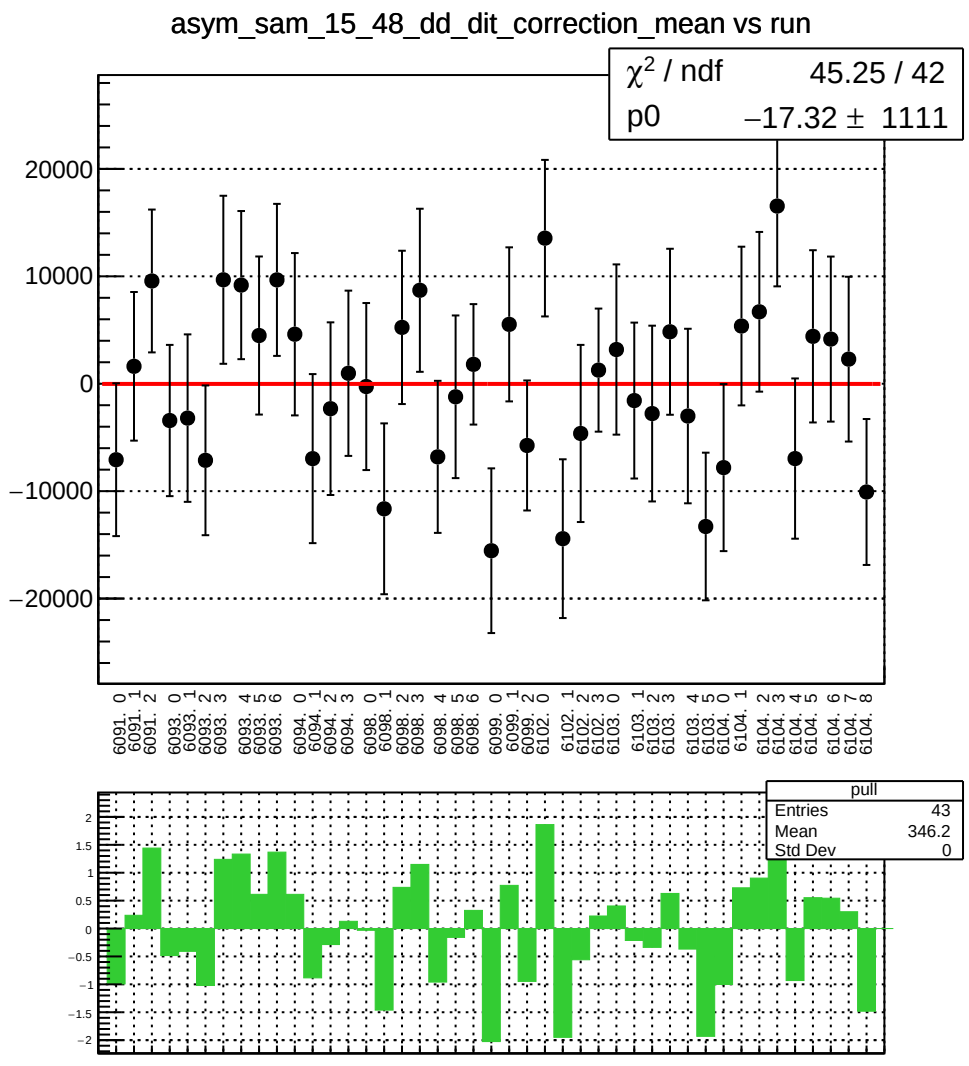
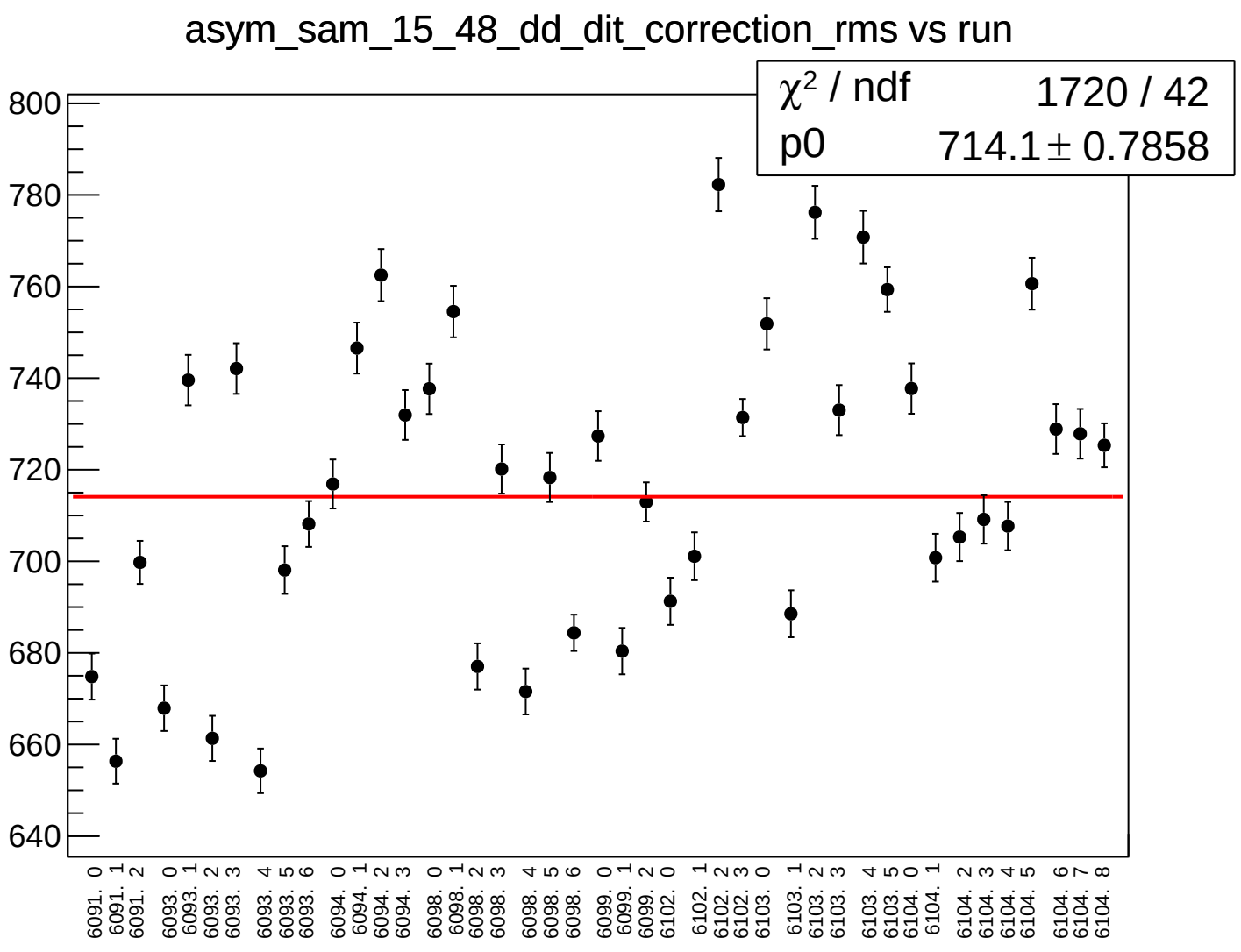
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 988.6
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 43
Mean −0.0008827
Std Dev 1.03
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

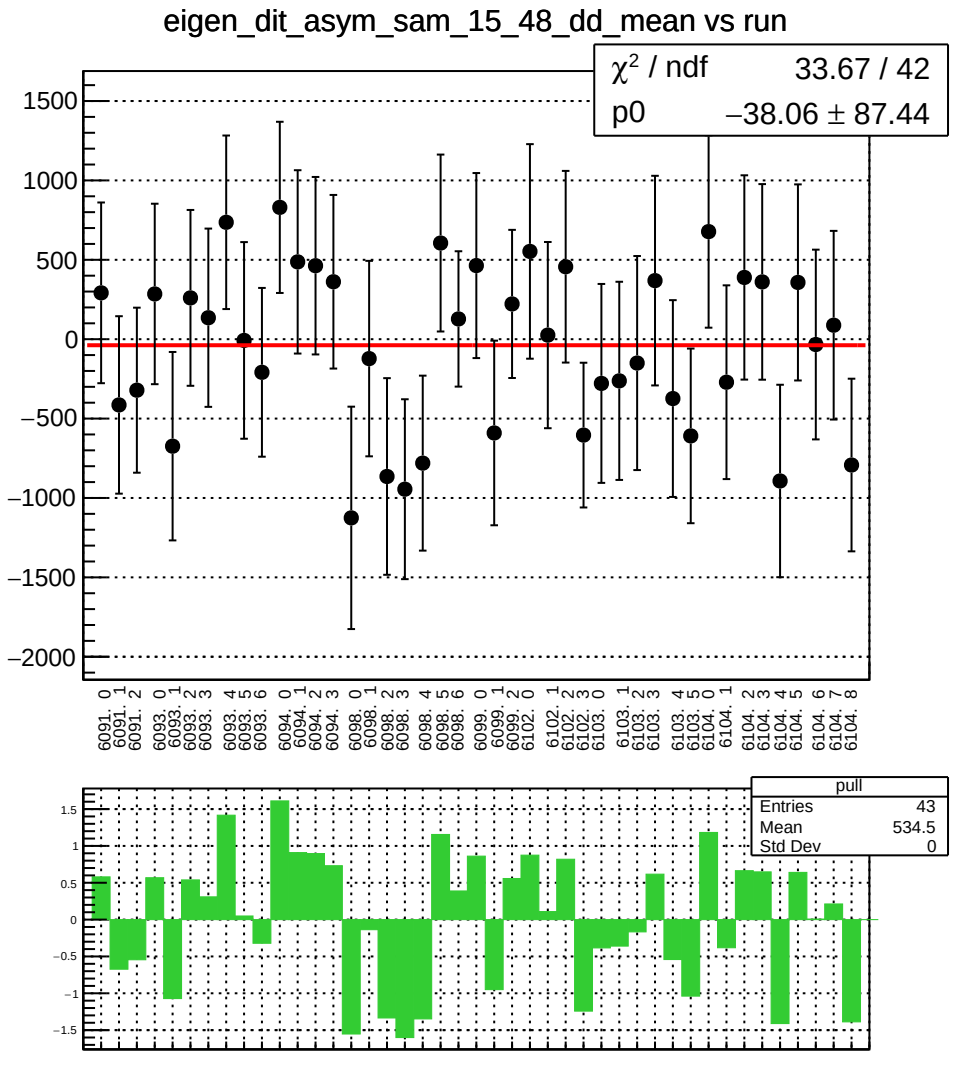

asym_sam_15_48_dd_eigen_cor_correction_rms vs run
χ² / ndf 1746 / 42
p0 703.7 ± 0.7743
780
760
740
720
700
680
660
640
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

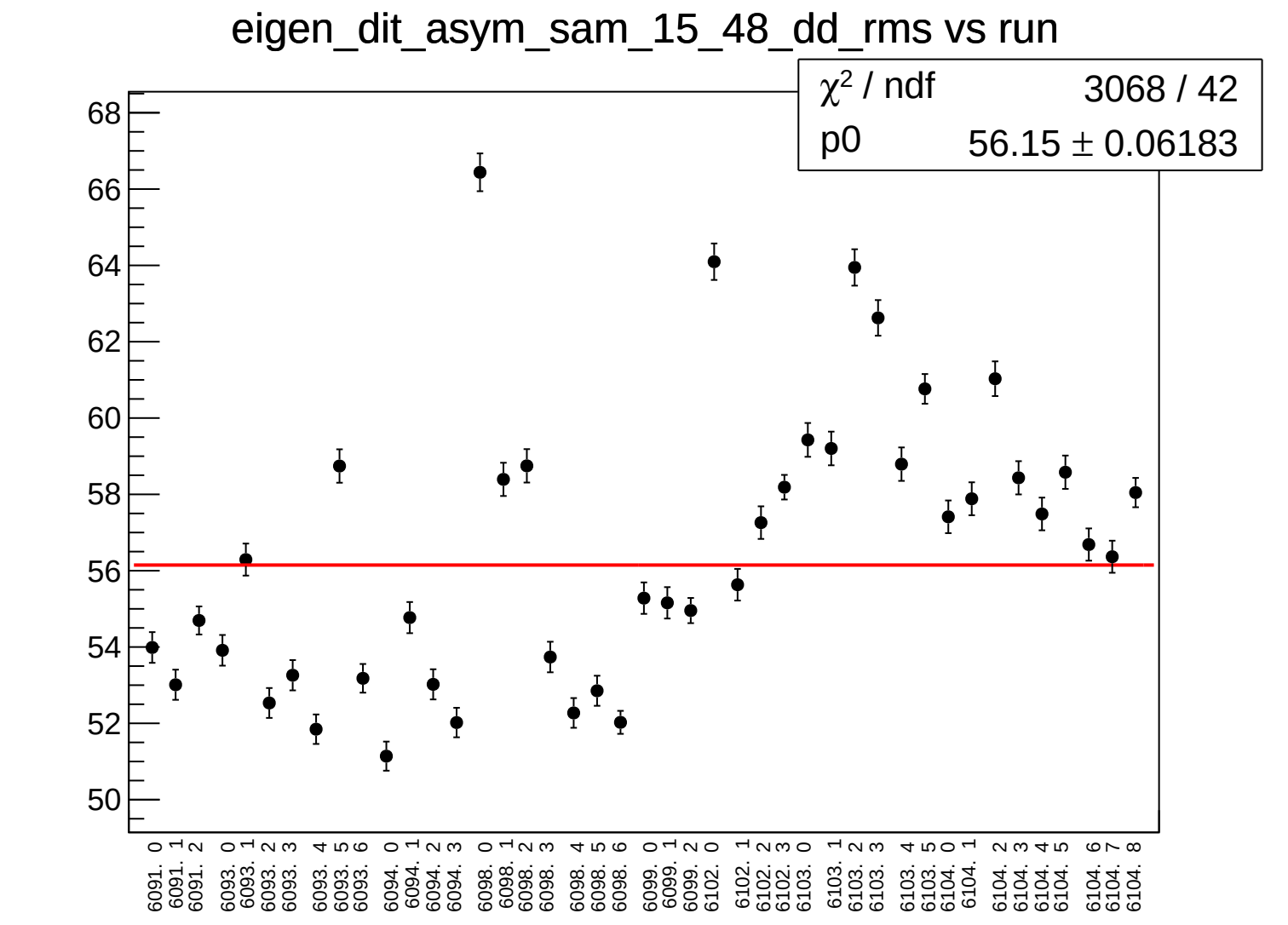

dit_asym_sam_15_48_dd_mean vs run
χ² / ndf 33.66 / 42
p0 −38.06 ± 87.44
1500
1000
500
0
−500
−1000
−1500
−2000
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 534.3
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 43
Mean −0.002321
Std Dev 0.8848
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

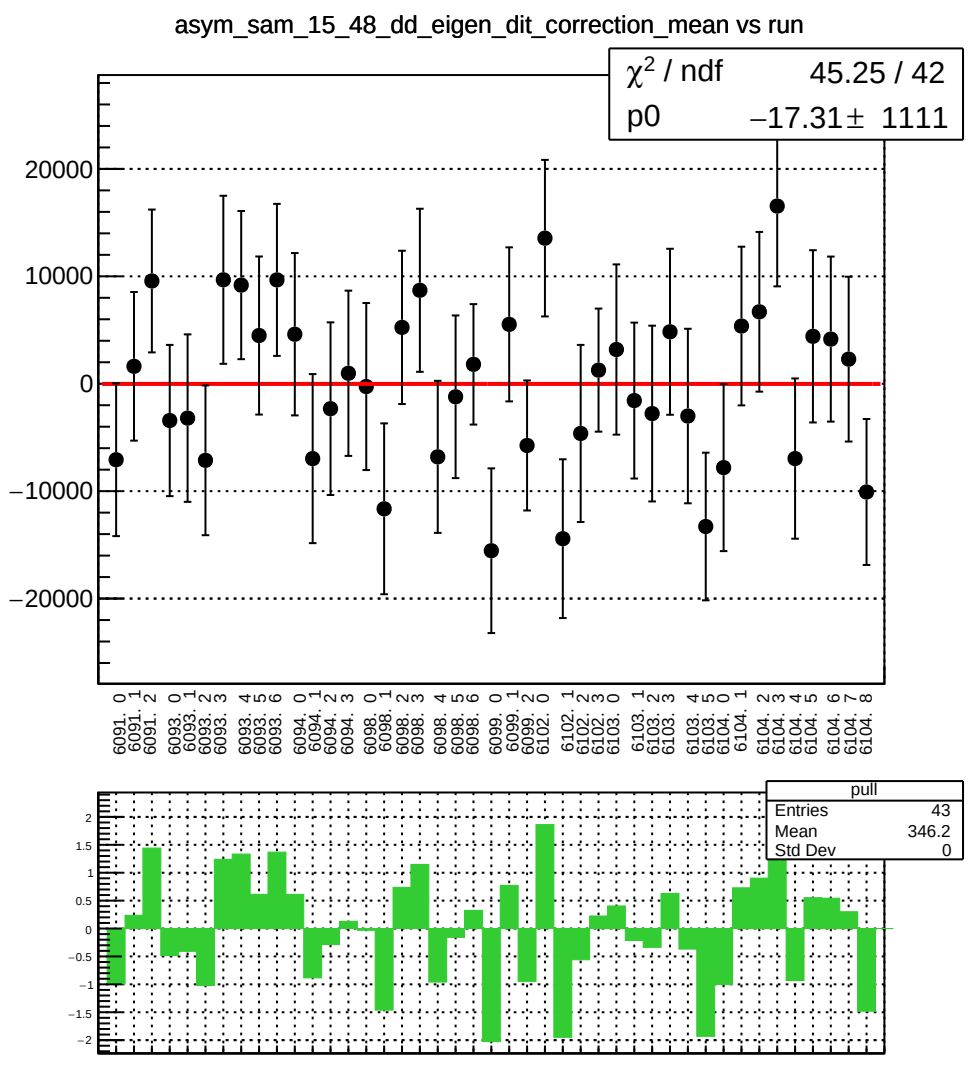

dit_asym_sam_15_48_dd_rms vs run
χ² / ndf 3068 / 42
p0 56.15 ± 0.06183
68
66
64
62
60
58
56
54
52
50
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

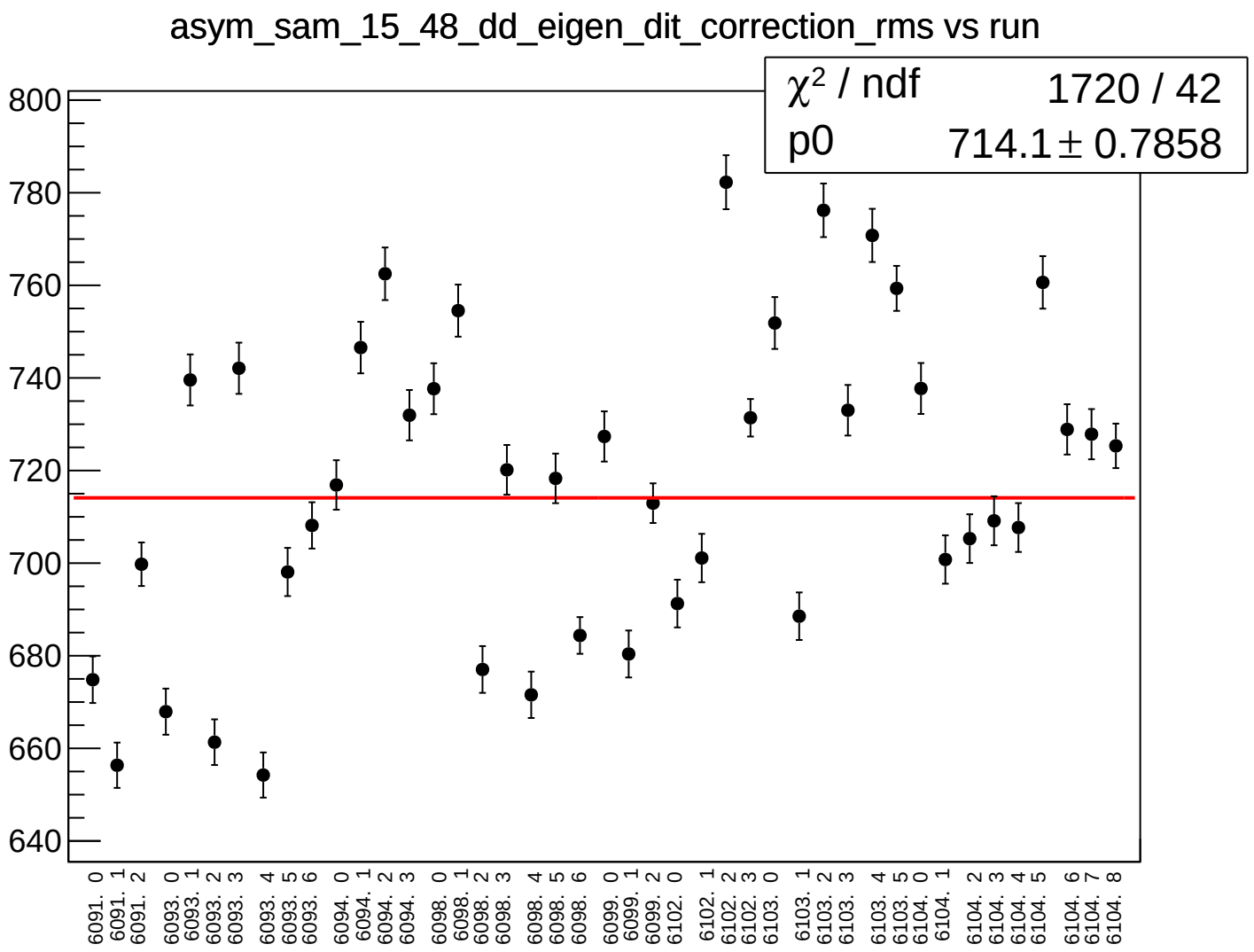

asym_sam_15_48_dd_dit_correction_mean vs run
χ² / ndf 45.25 / 42
p0 −17.32 ± 1111
20000
10000
0
−10000
−20000
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 346.2
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 43
Mean −0.002568
Std Dev 1.026
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

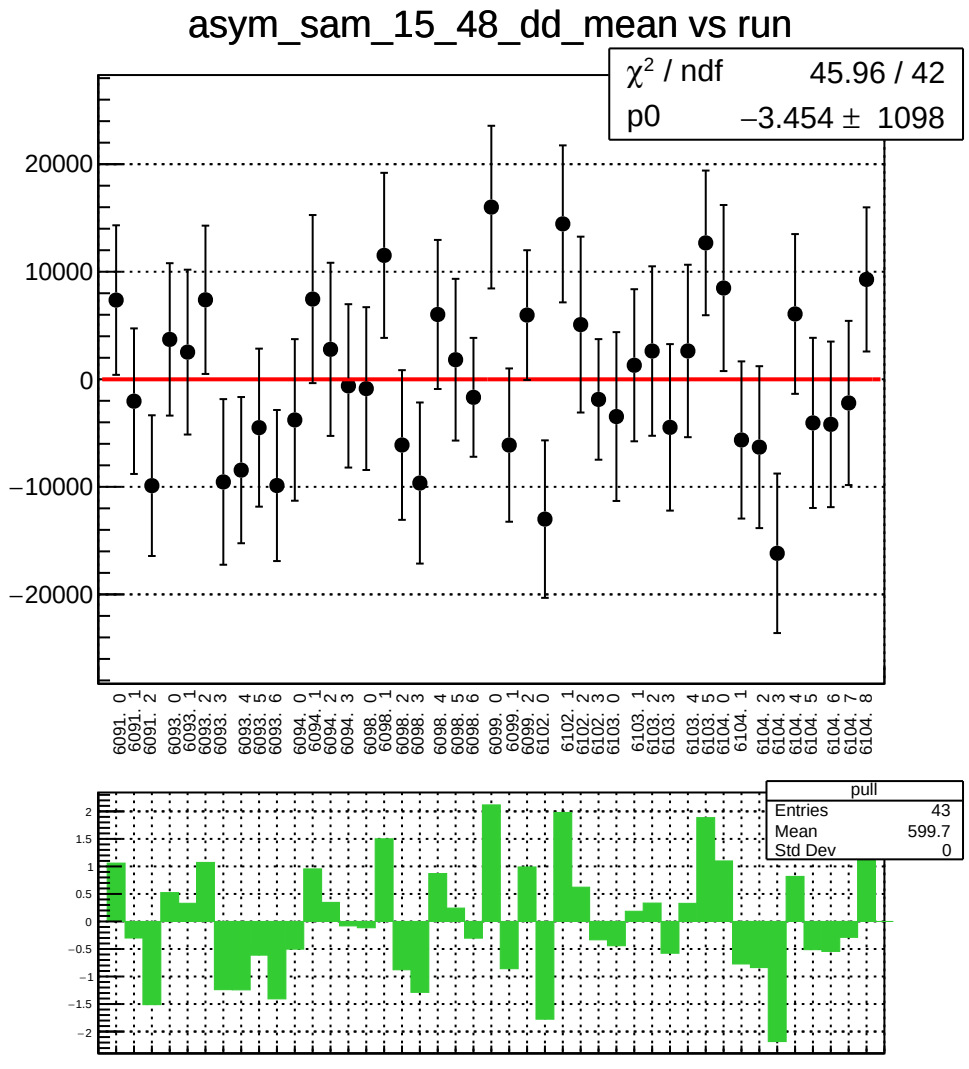

asym_sam_15_48_dd_dit_correction_rms vs run
χ² / ndf 1720 / 42
p0 714.1 ± 0.7858
800
780
760
740
720
700
680
660
640
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

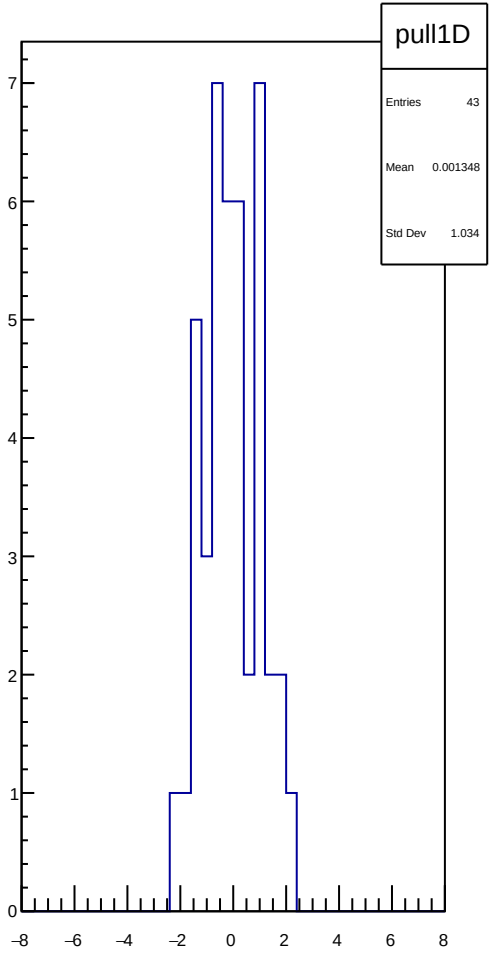

eigen_dit_asym_sam_15_48_dd_mean vs run
χ² / ndf 33.67 / 42
p0 −38.06 ± 87.44
1500
1000
500
0
−500
−1000
−1500
−2000
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 534.5
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 43
Mean −0.00232
Std Dev 0.8848
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

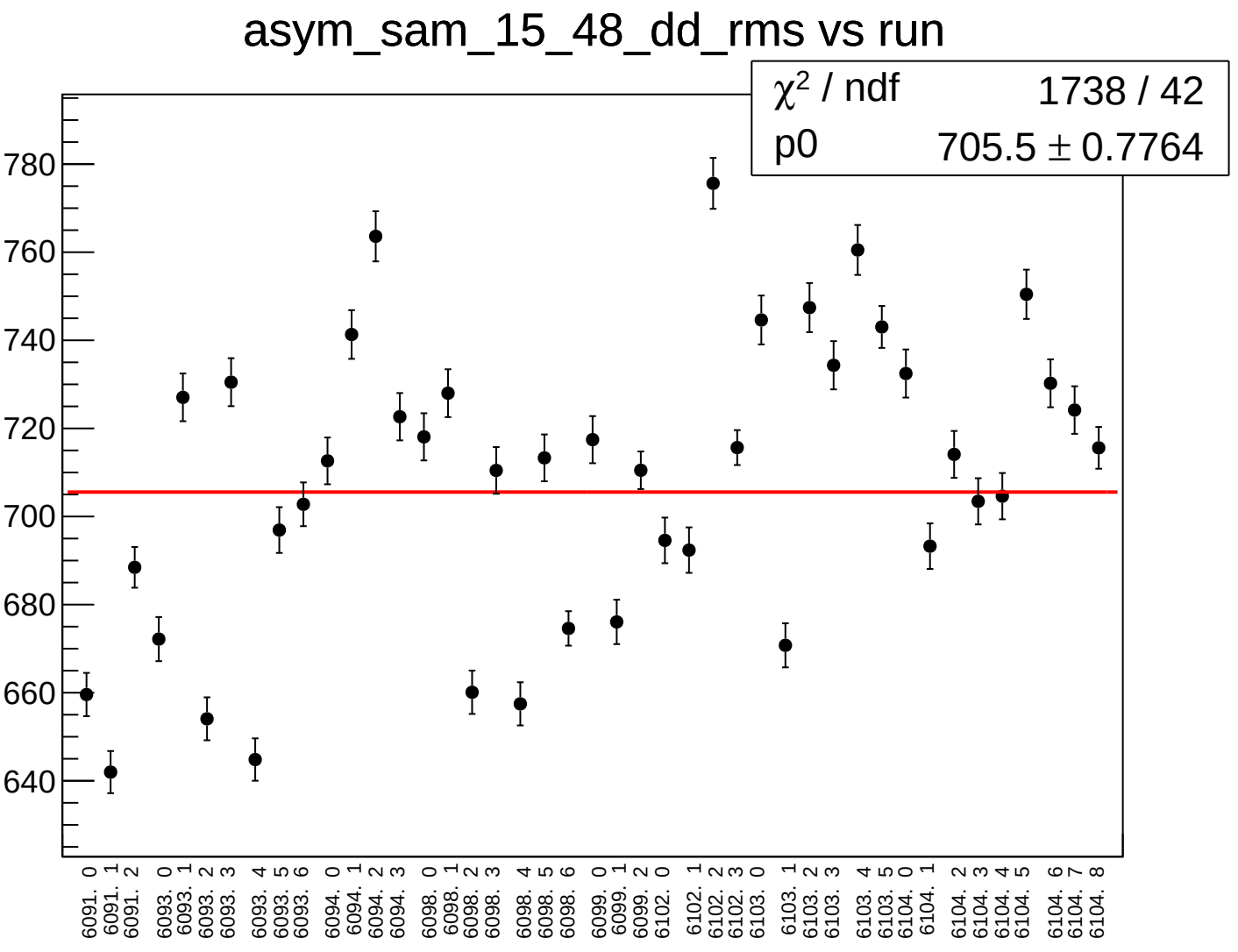

eigen_dit_asym_sam_15_48_dd_rms vs run
χ² / ndf 3068 / 42
p0 56.15 ± 0.06183
68
66
64
62
60
58
56
54
52
50
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

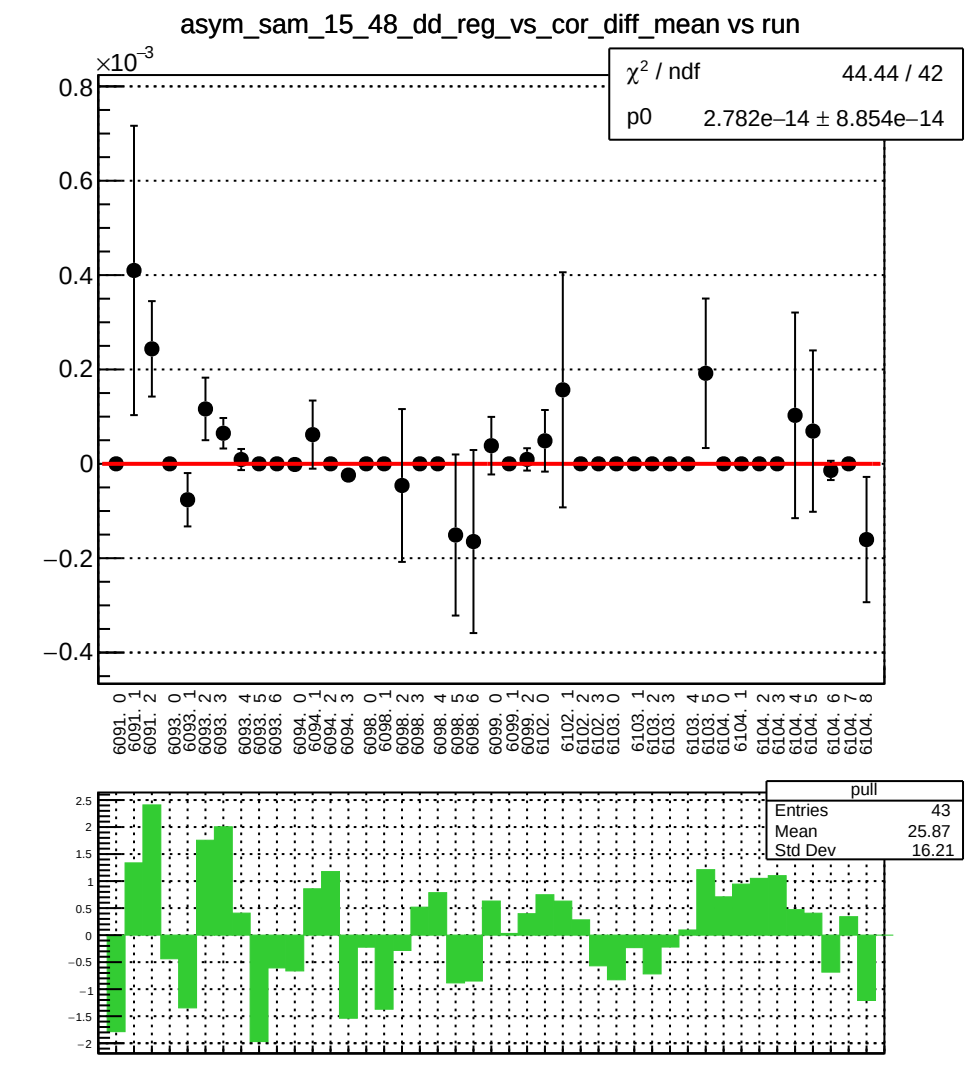

asym_sam_15_48_dd_eigen_dit_correction_mean vs run
χ² / ndf 45.25 / 42
p0 −17.31± 1111
20000
10000
0
−10000
−20000
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 346.2
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 43
Mean −0.002568
Std Dev 1.026
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

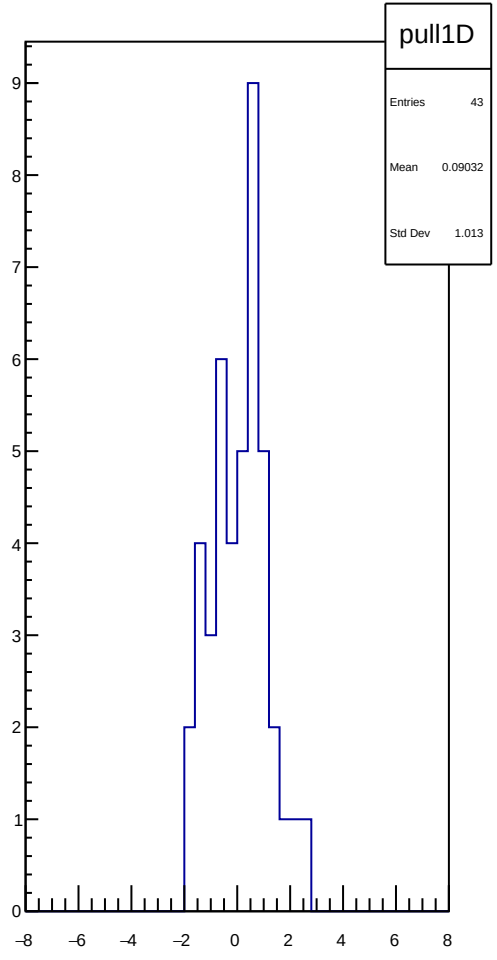

asym_sam_15_48_dd_eigen_dit_correction_rms vs run
χ² / ndf 1720 / 42
p0 714.1 ± 0.7858
800
780
760
740
720
700
680
660
640
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

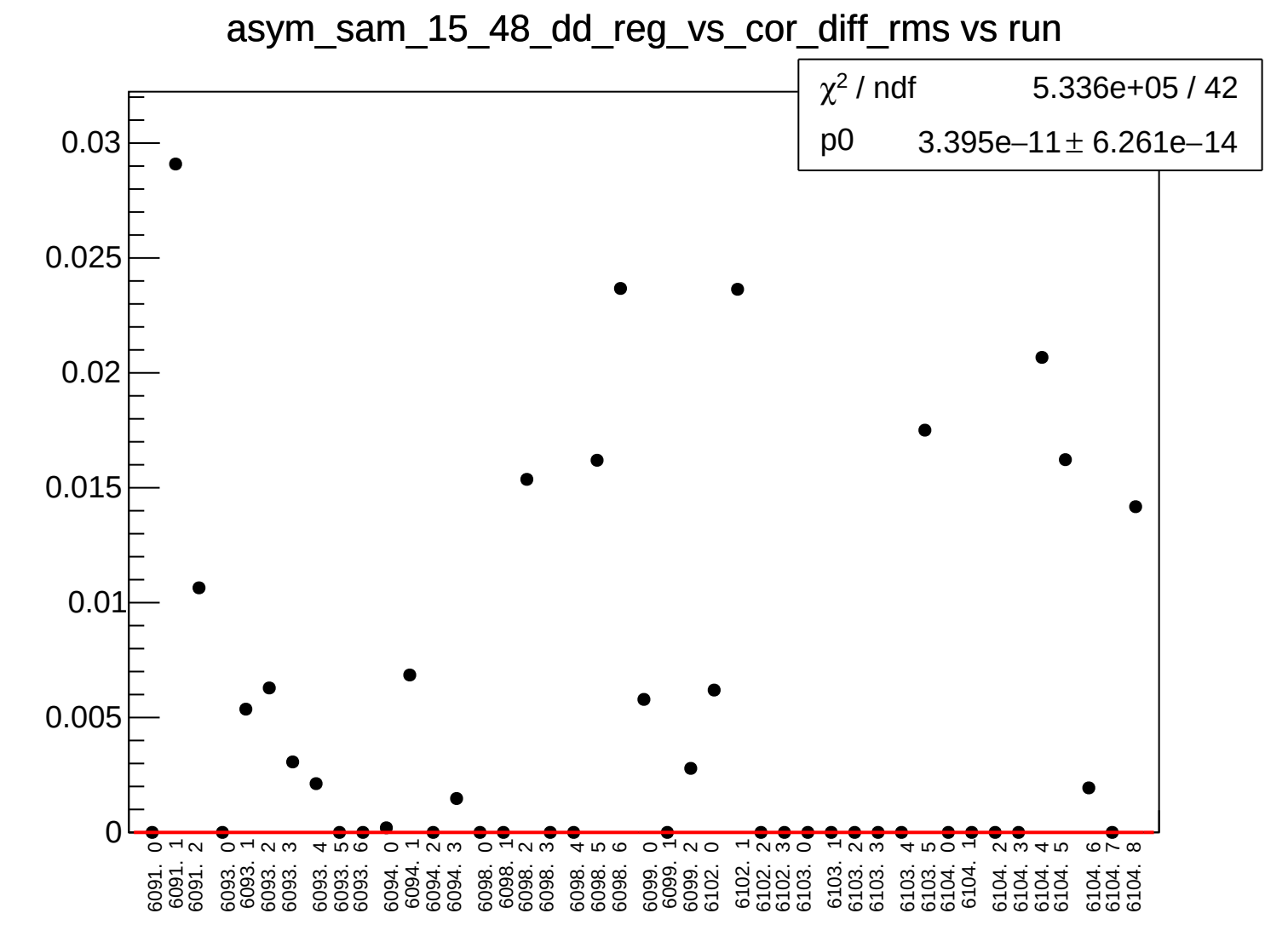

asym_sam_15_48_dd_mean vs run
χ² / ndf 45.96 / 42
p0 −3.454 ± 1098
20000
10000
0
−10000
−20000
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 599.7
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

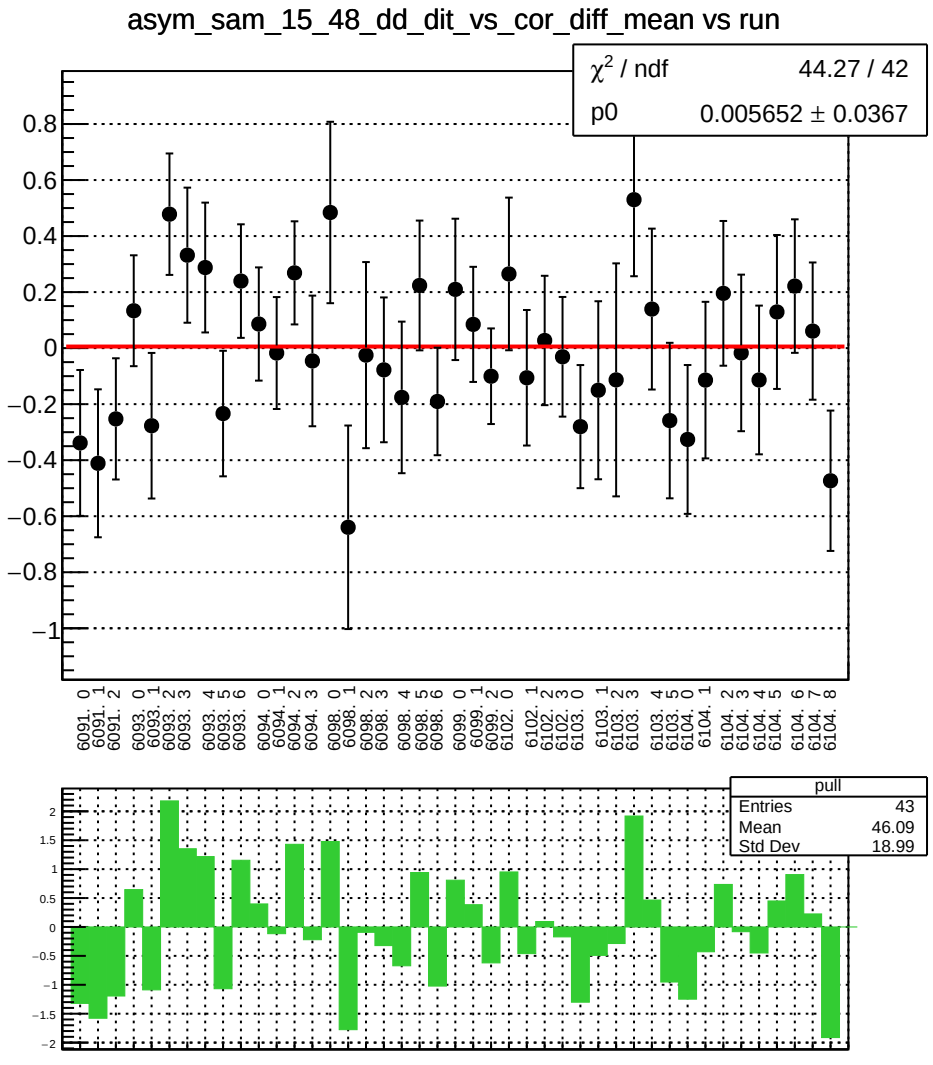

pull1D
Entries 43
Mean 0.001348
Std Dev 1.034
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

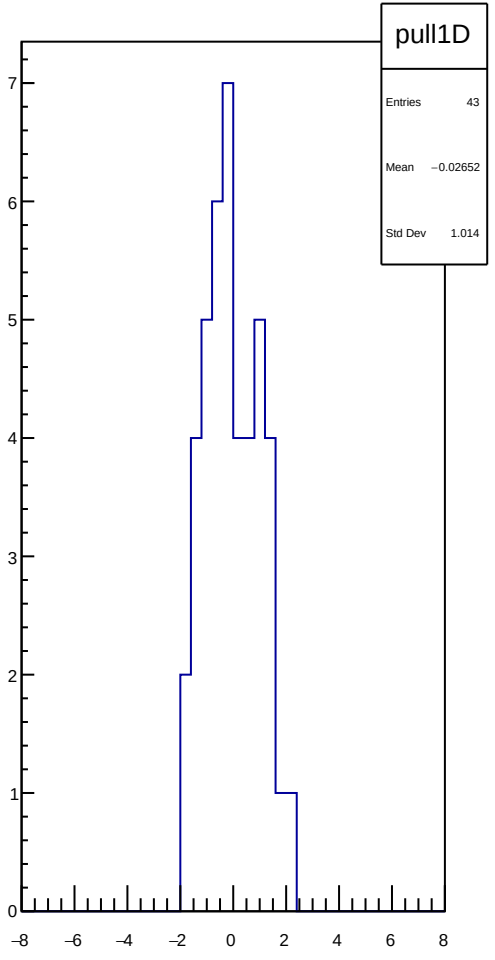

asym_sam_15_48_dd_rms vs run
χ² / ndf 1738 / 42
p0 705.5 ± 0.7764
780
760
740
720
700
680
660
640
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

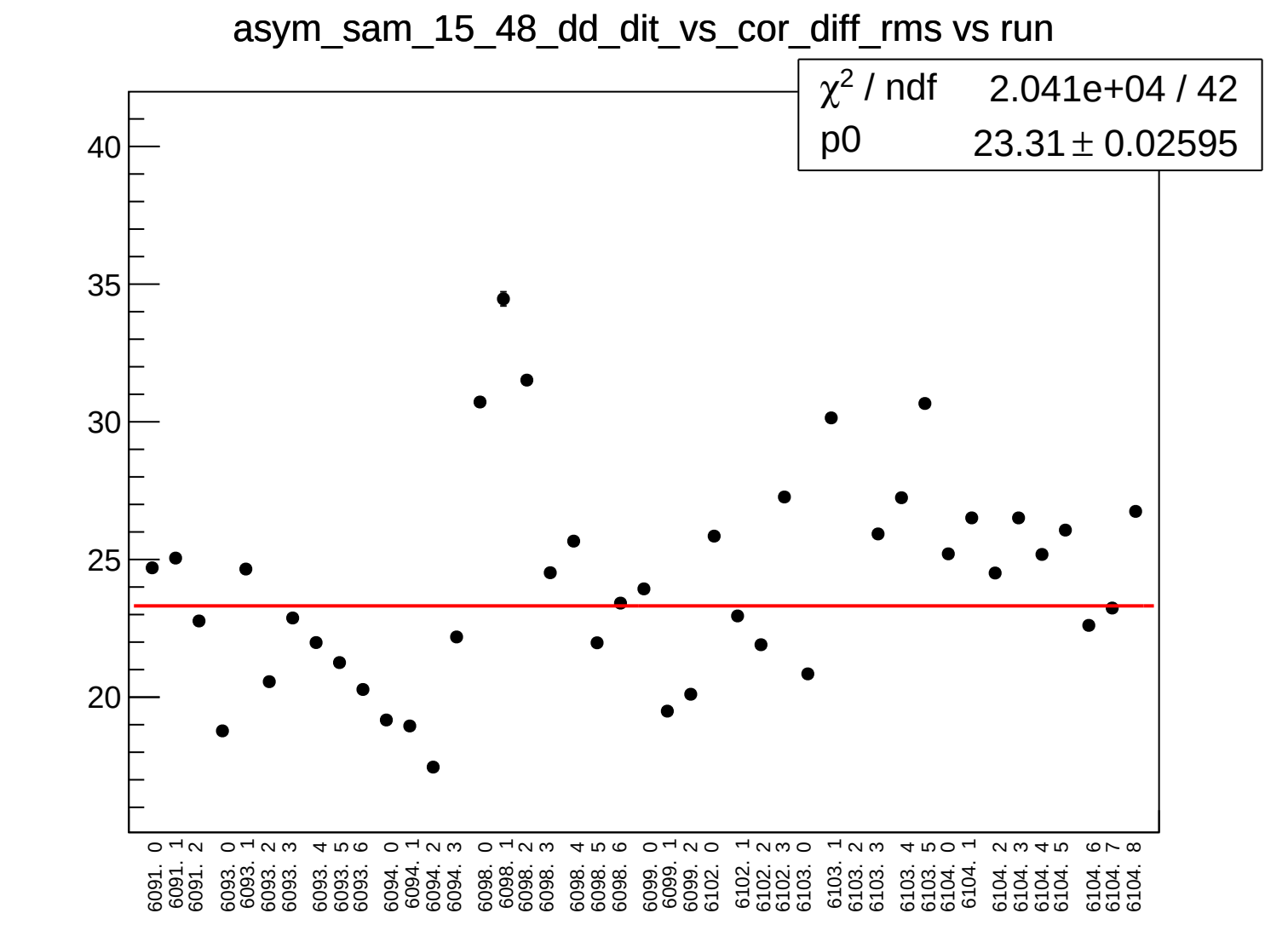

asym_sam_15_48_dd_reg_vs_cor_diff_mean vs run
×10⁻³
χ² / ndf 44.44 / 42
p0 2.782e−14 ± 8.854e−14
0.8
0.6
0.4
0.2
0
−0.2
−0.4
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 25.87
Std Dev 16.21
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

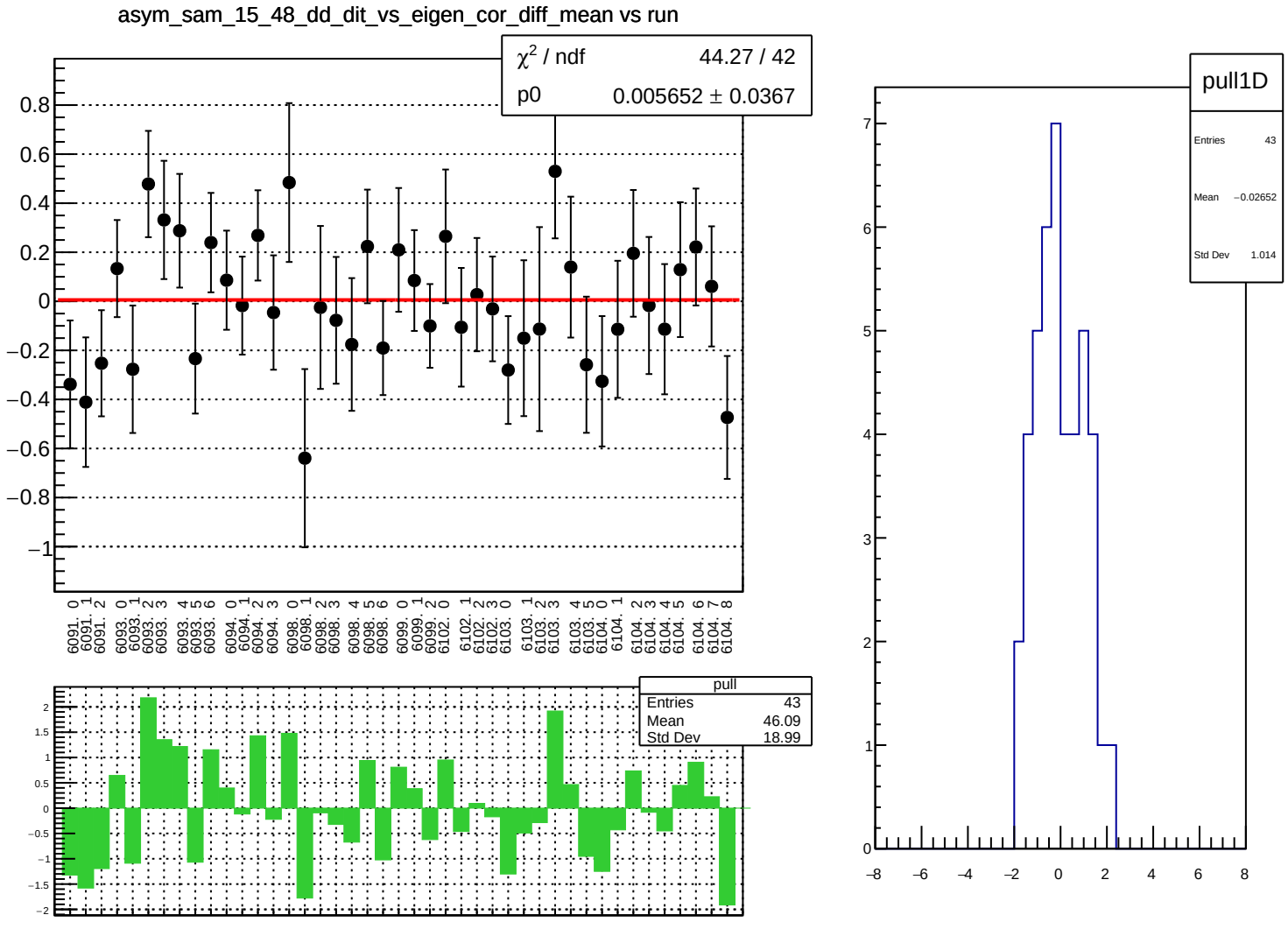

pull1D
Entries 43
Mean 0.09032
Std Dev 1.013
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

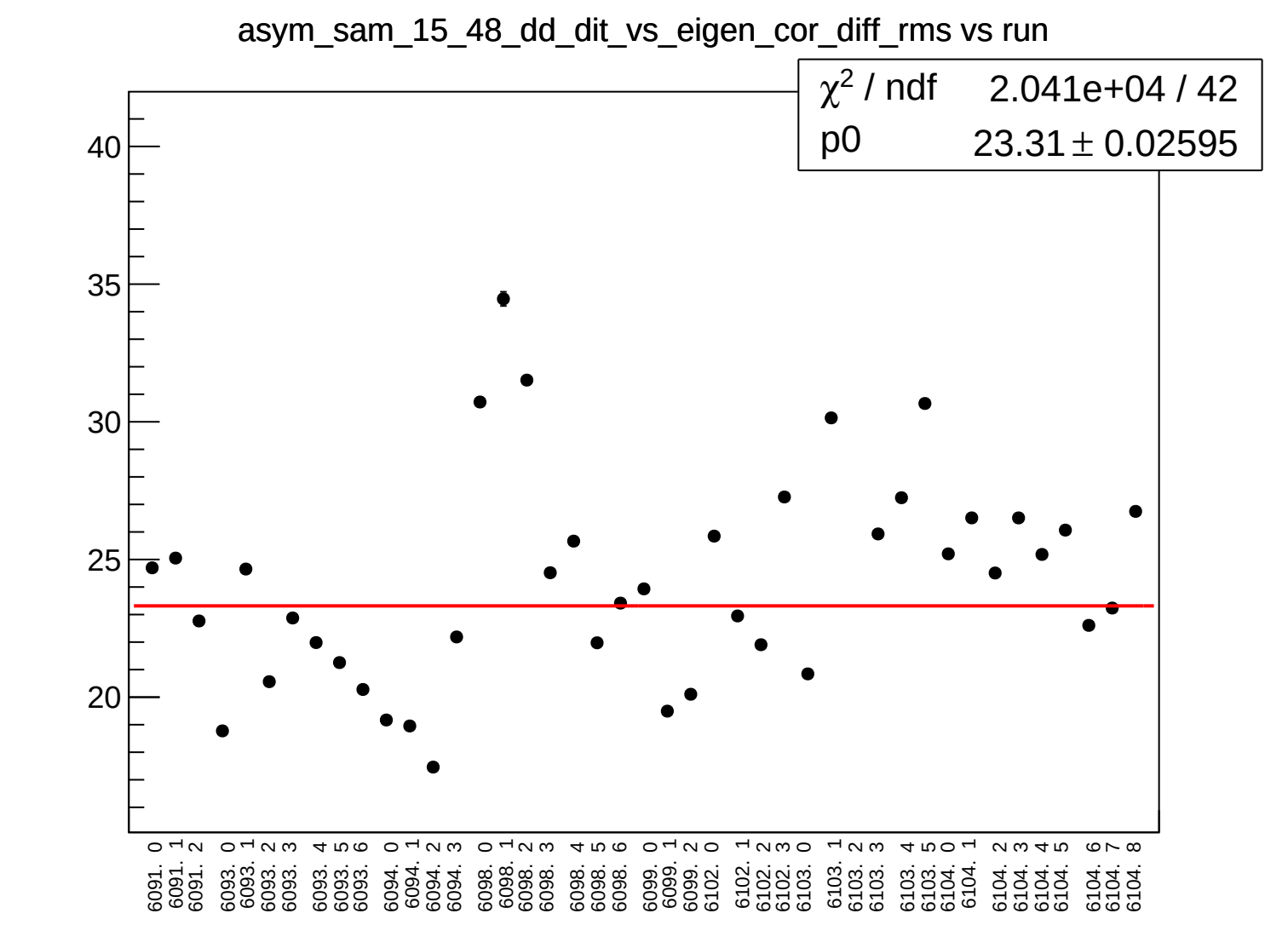

asym_sam_15_48_dd_reg_vs_cor_diff_rms vs run
χ² / ndf 5.336e+05 / 42
p0 3.395e−11 ± 6.261e−14
0.03
0.025
0.02
0.015
0.01
0.005
0
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

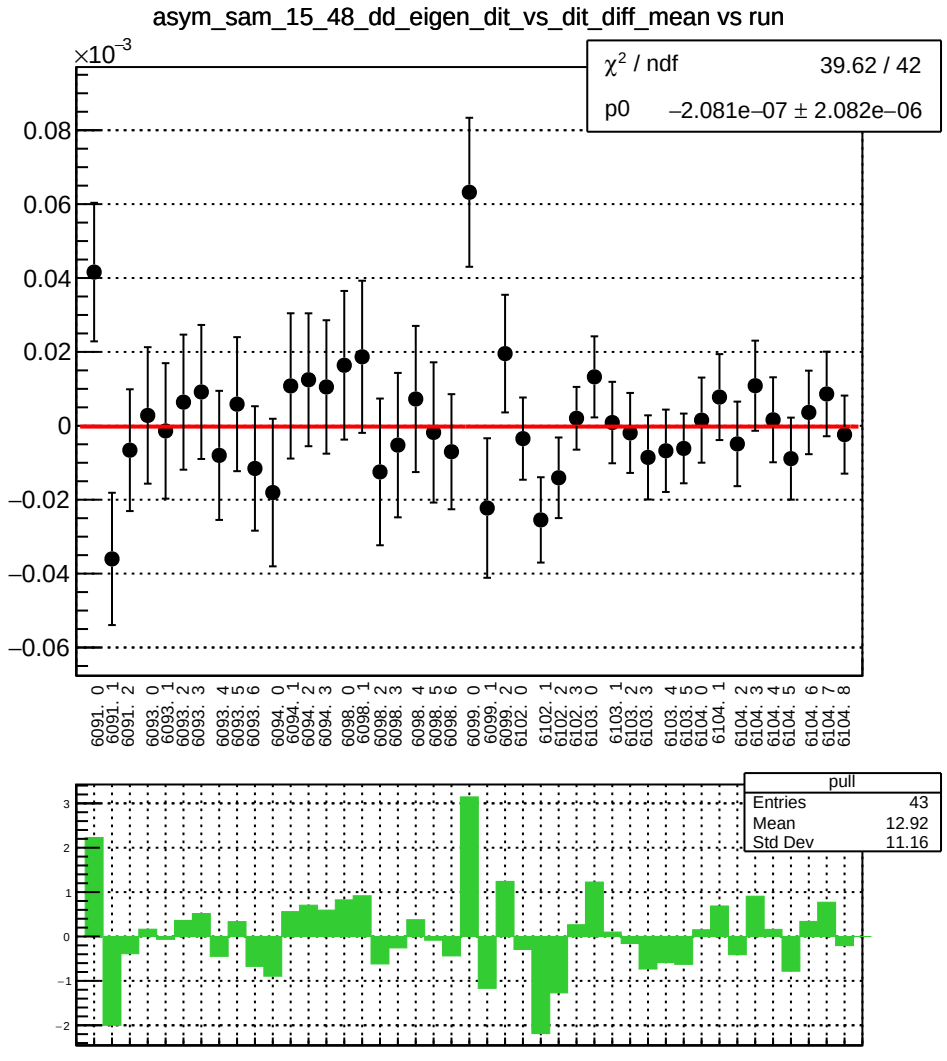

asym_sam_15_48_dd_dit_vs_cor_diff_mean vs run
χ² / ndf 44.27 / 42
p0 0.005652 ± 0.0367
pull
Entries 43
Mean 46.09
Std Dev 18.99

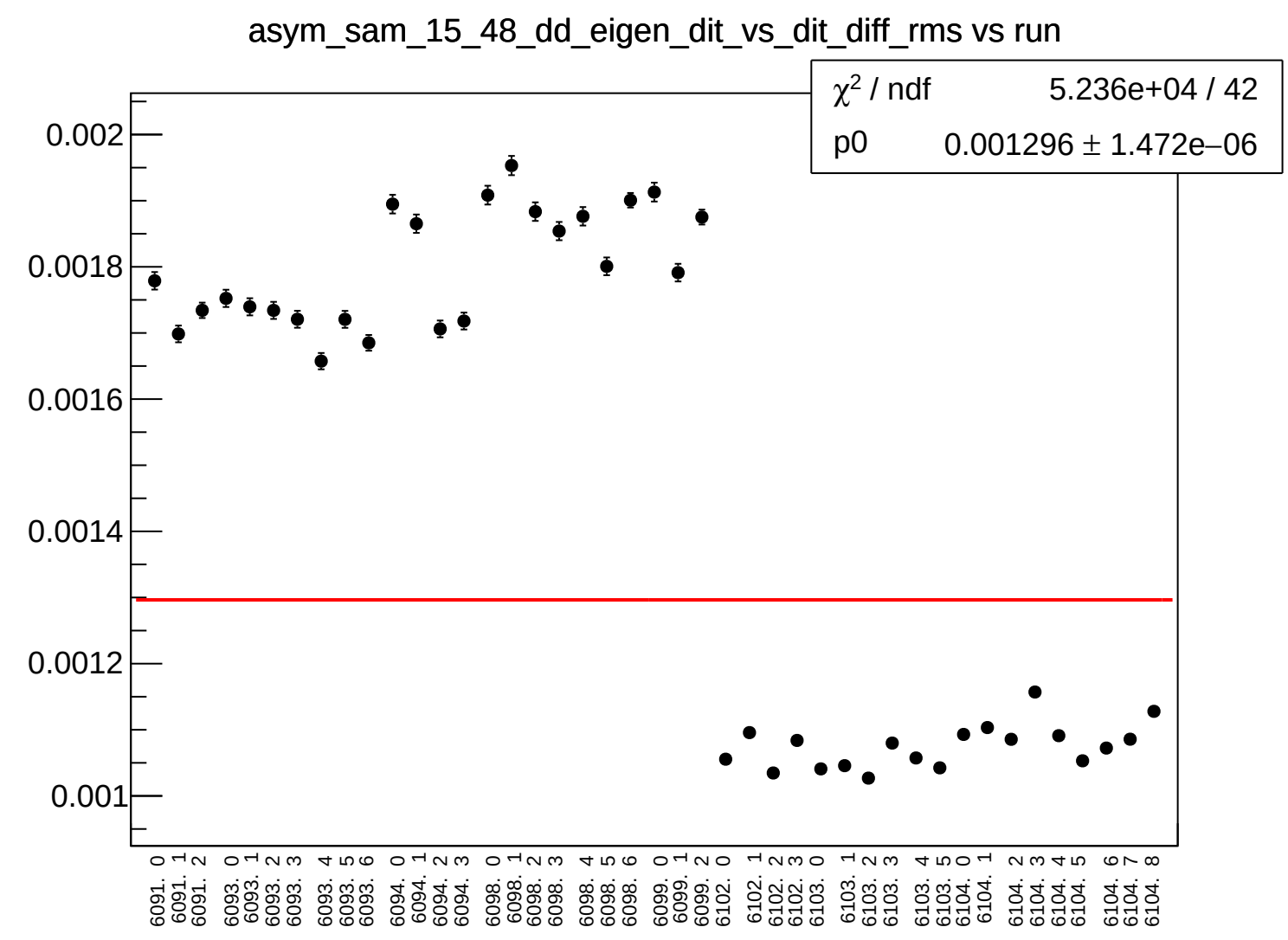

pull1D
Entries 43
Mean −0.02652
Std Dev 1.014

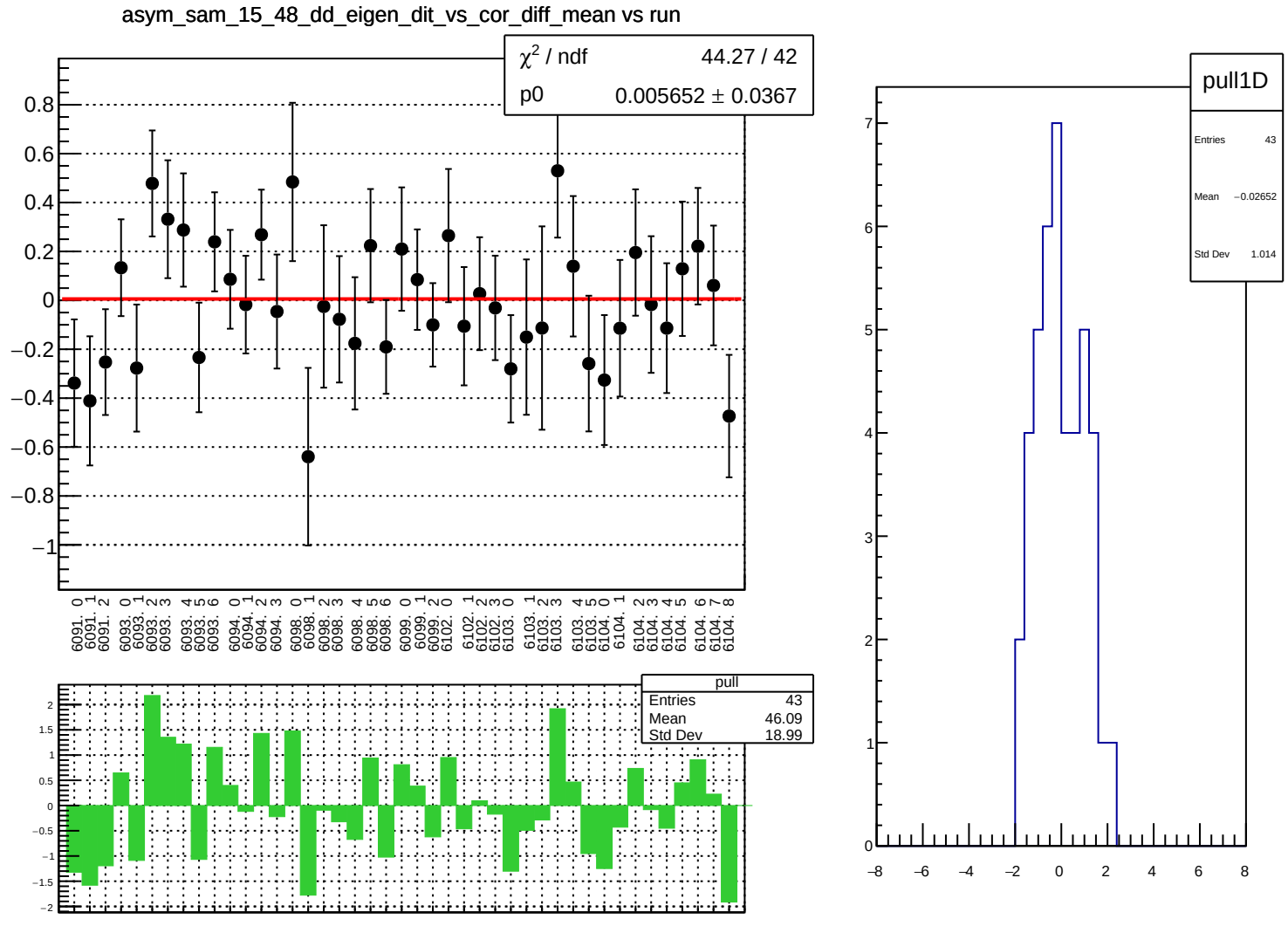

asym_sam_15_48_dd_dit_vs_cor_diff_rms vs run
χ² / ndf 2.041e+04 / 42
p0 23.31 ± 0.02595
40
35
30
25
20
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

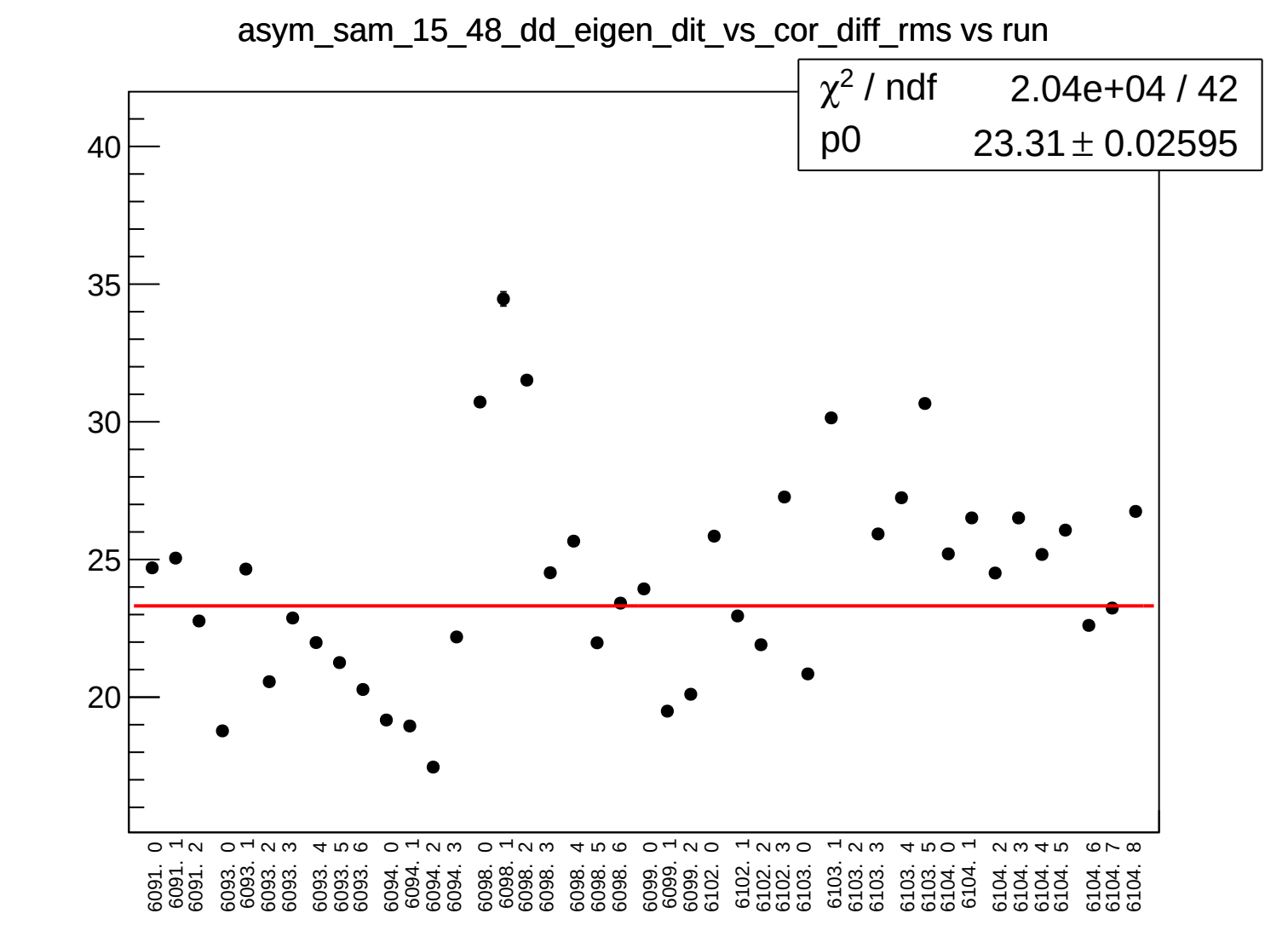

asym_sam_15_48_dd_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 44.27 / 42
p0 0.005652 ± 0.0367
pull
Entries 43
Mean 46.09
Std Dev 18.99
pull1D
Entries 43
Mean −0.02652
Std Dev 1.014


asym_sam_15_48_dd_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 2.041e+04 / 42
p0 23.31 ± 0.02595
40
35
30
25
20
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

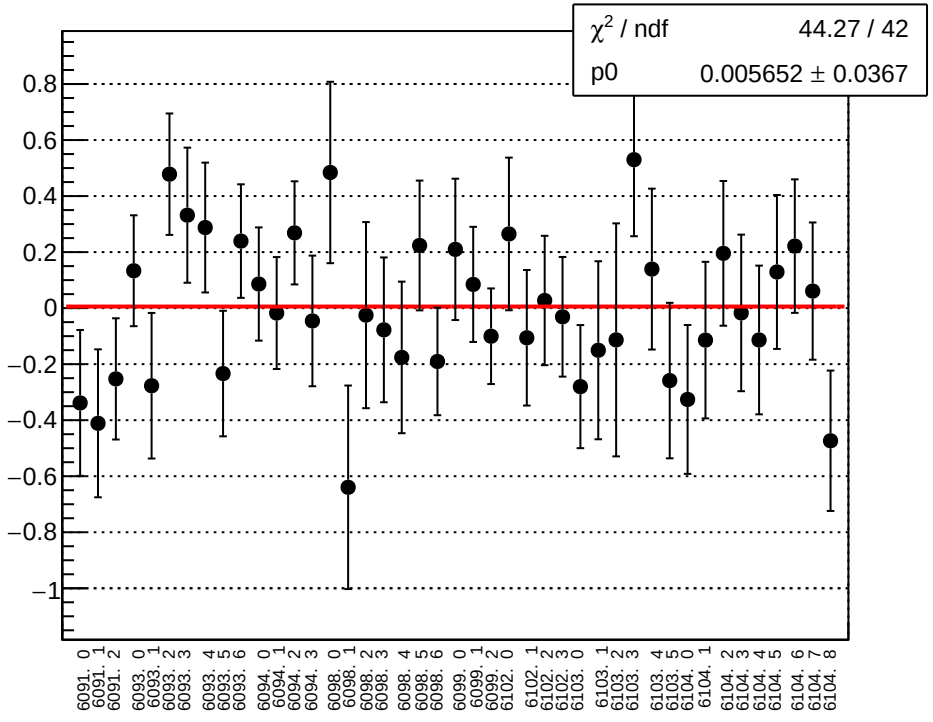

asym_sam_15_48_dd_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 39.62 / 42
p0 −2.081e−07 ± 2.082e−06
0.08
0.06
0.04
0.02
0
−0.02
−0.04
−0.06
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 12.92
Std Dev 11.16
3
2
1
0
−1
−2
pull1D
Entries 43
Mean 0.05343
Std Dev 0.9584
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

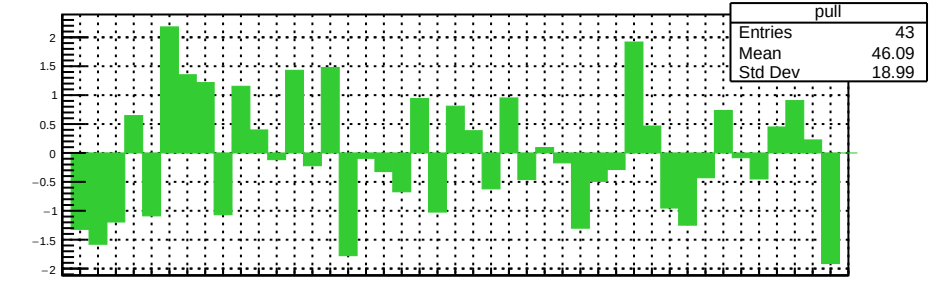

asym_sam_15_48_dd_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 5.236e+04 / 42
p0 0.001296 ± 1.472e−06
0.002
0.0018
0.0016
0.0014
0.0012
0.001
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

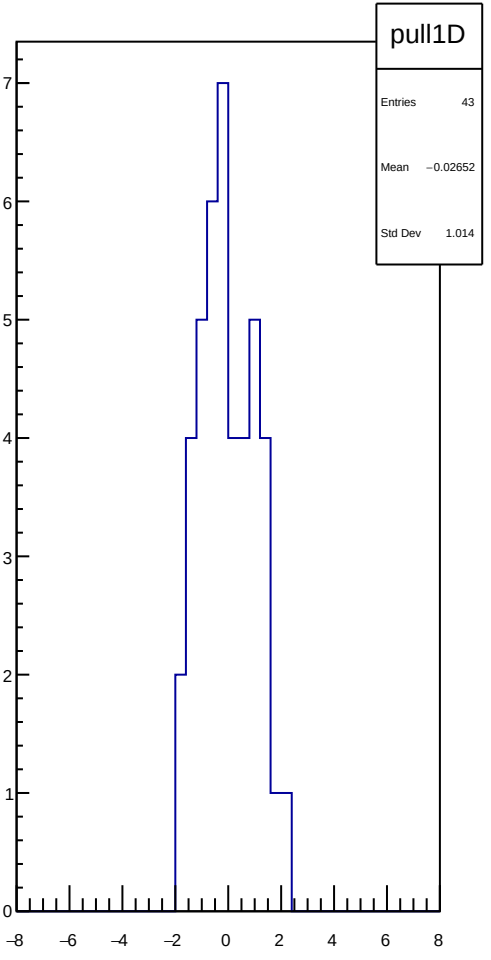

asym_sam_15_48_dd_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 44.27 / 42
p0 0.005652 ± 0.0367
pull
Entries 43
Mean 46.09
Std Dev 18.99
pull1D
Entries 43
Mean −0.02652
Std Dev 1.014

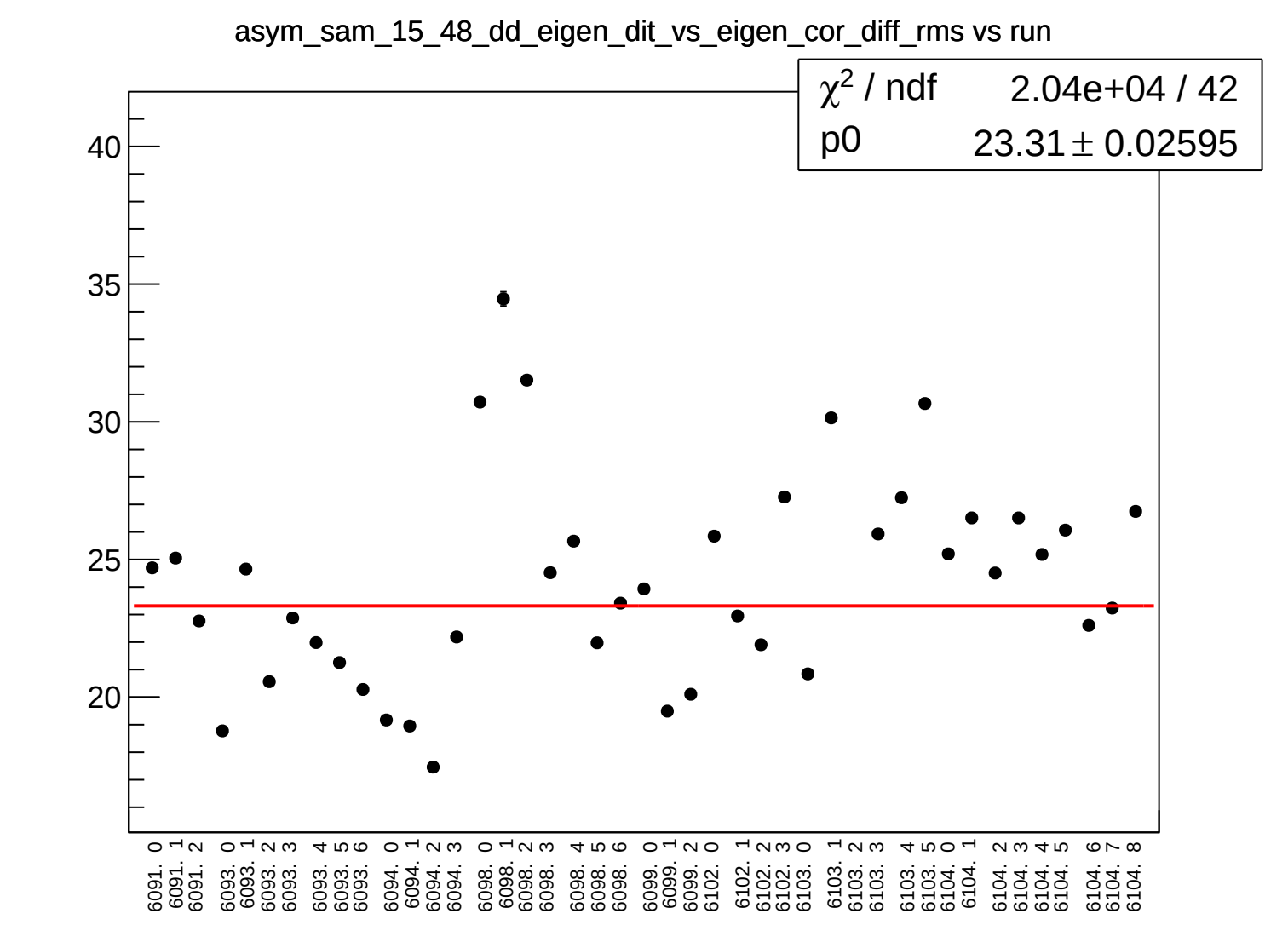

asym_sam_15_48_dd_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 2.04e+04 / 42
p0 23.31 ± 0.02595
40
35
30
25
20
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

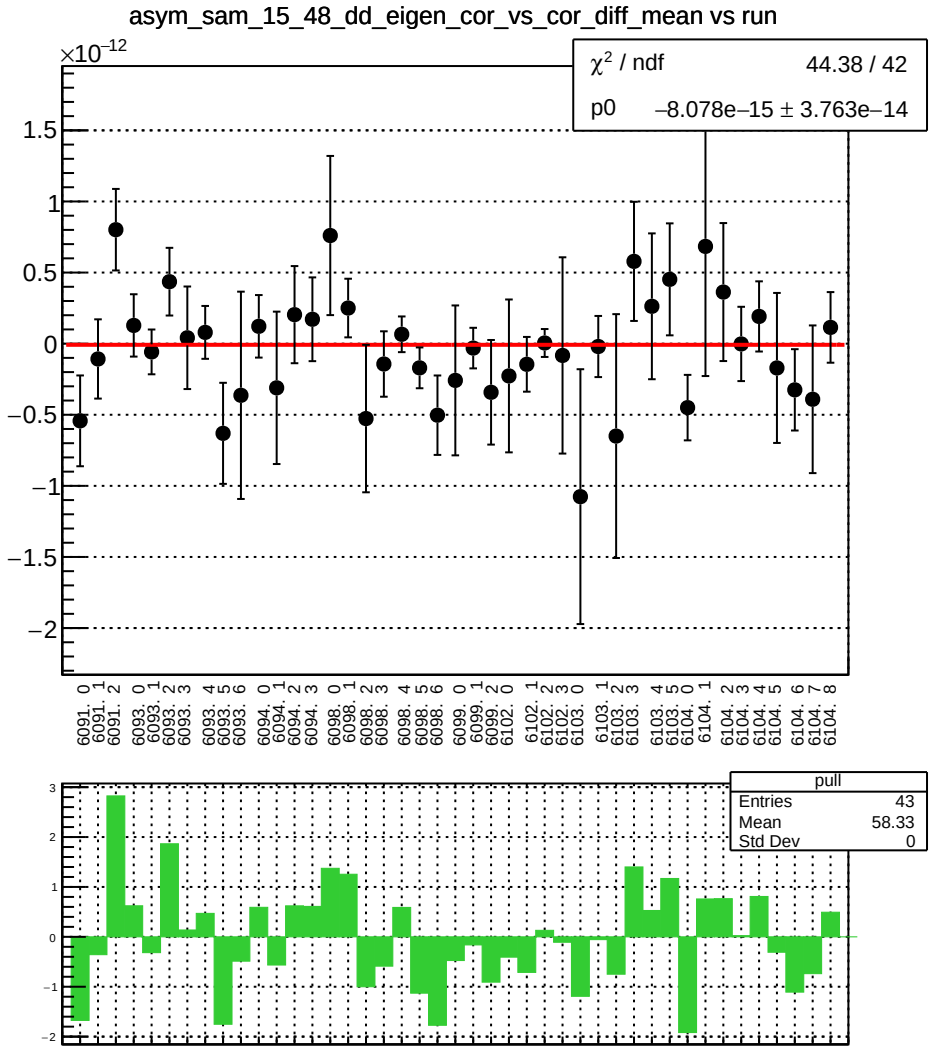
asym_sam_15_48_dd_eigen_dit_vs_eigen_cor_diff_mean vs run

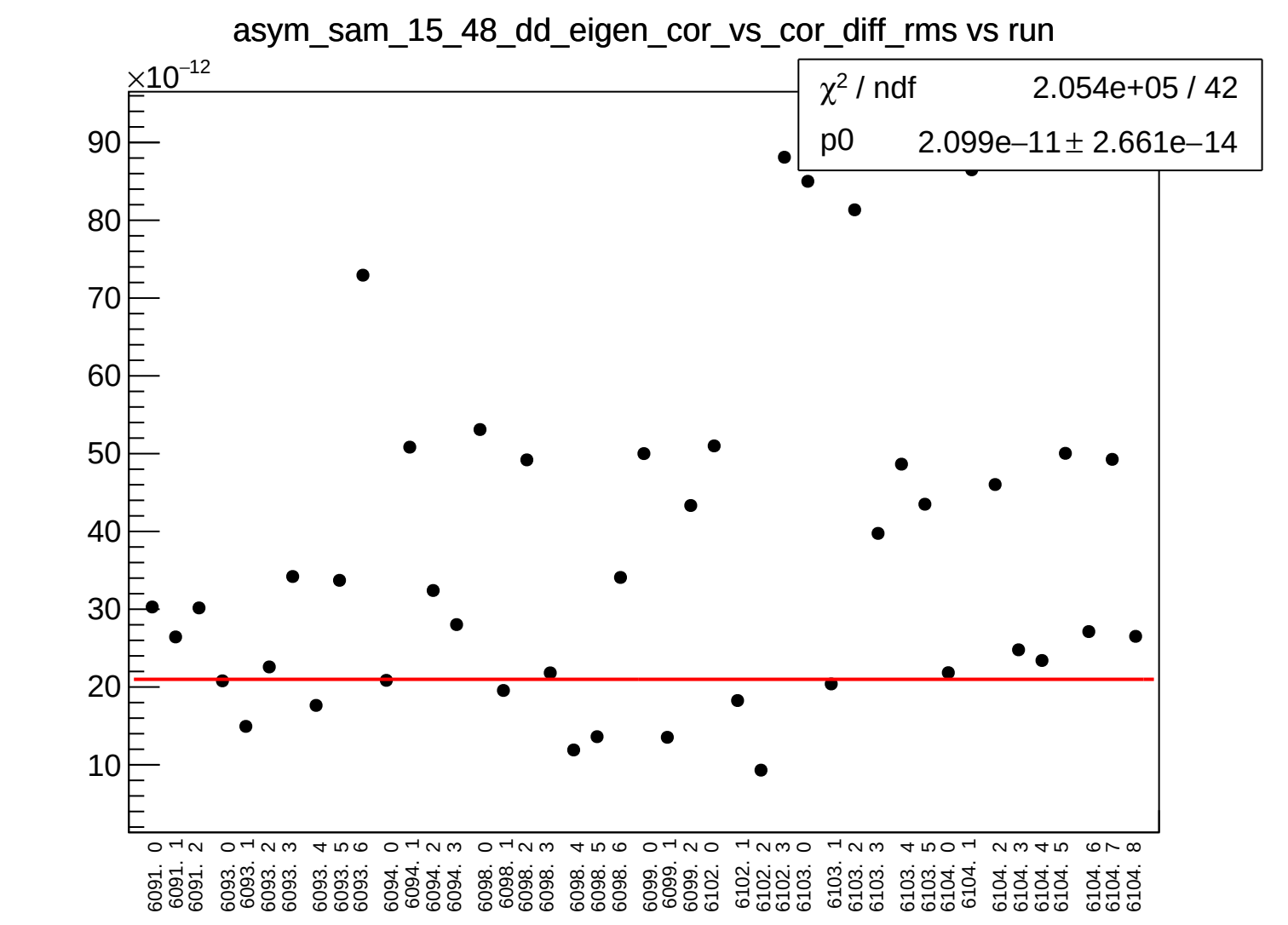


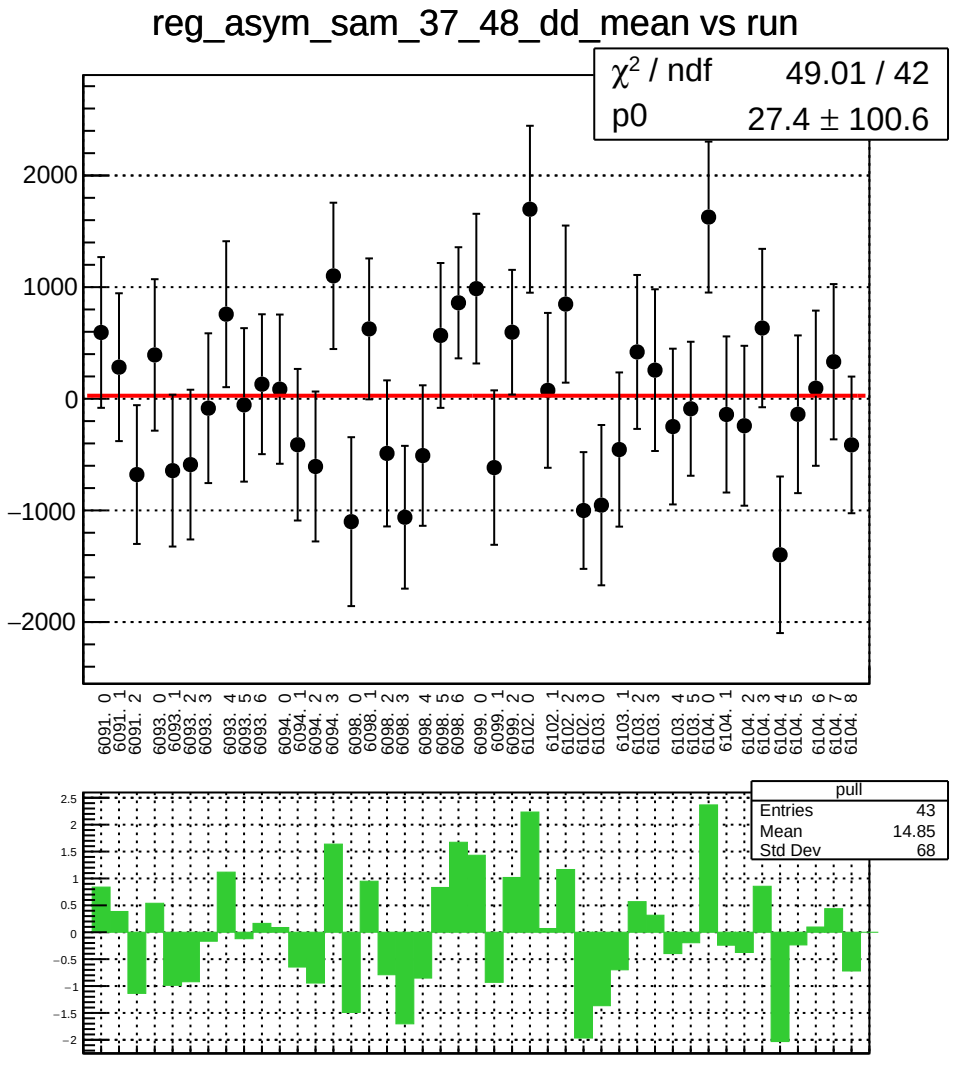


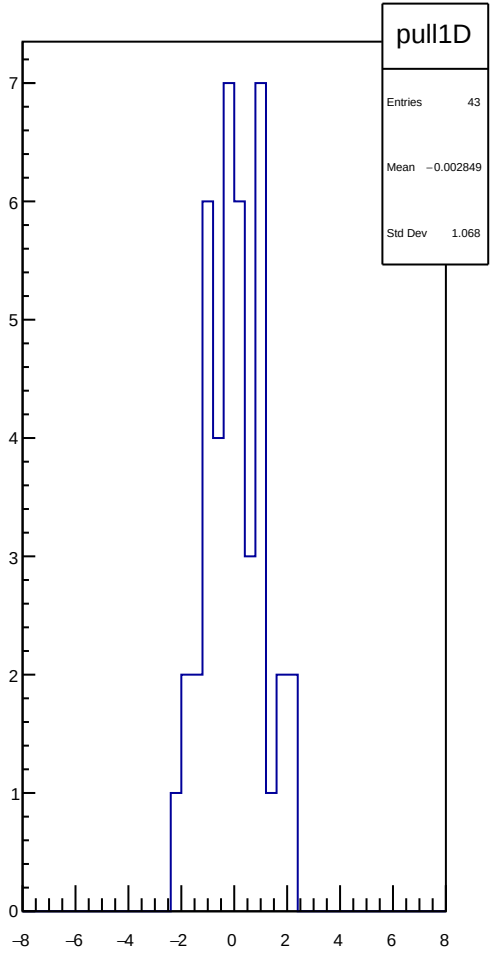


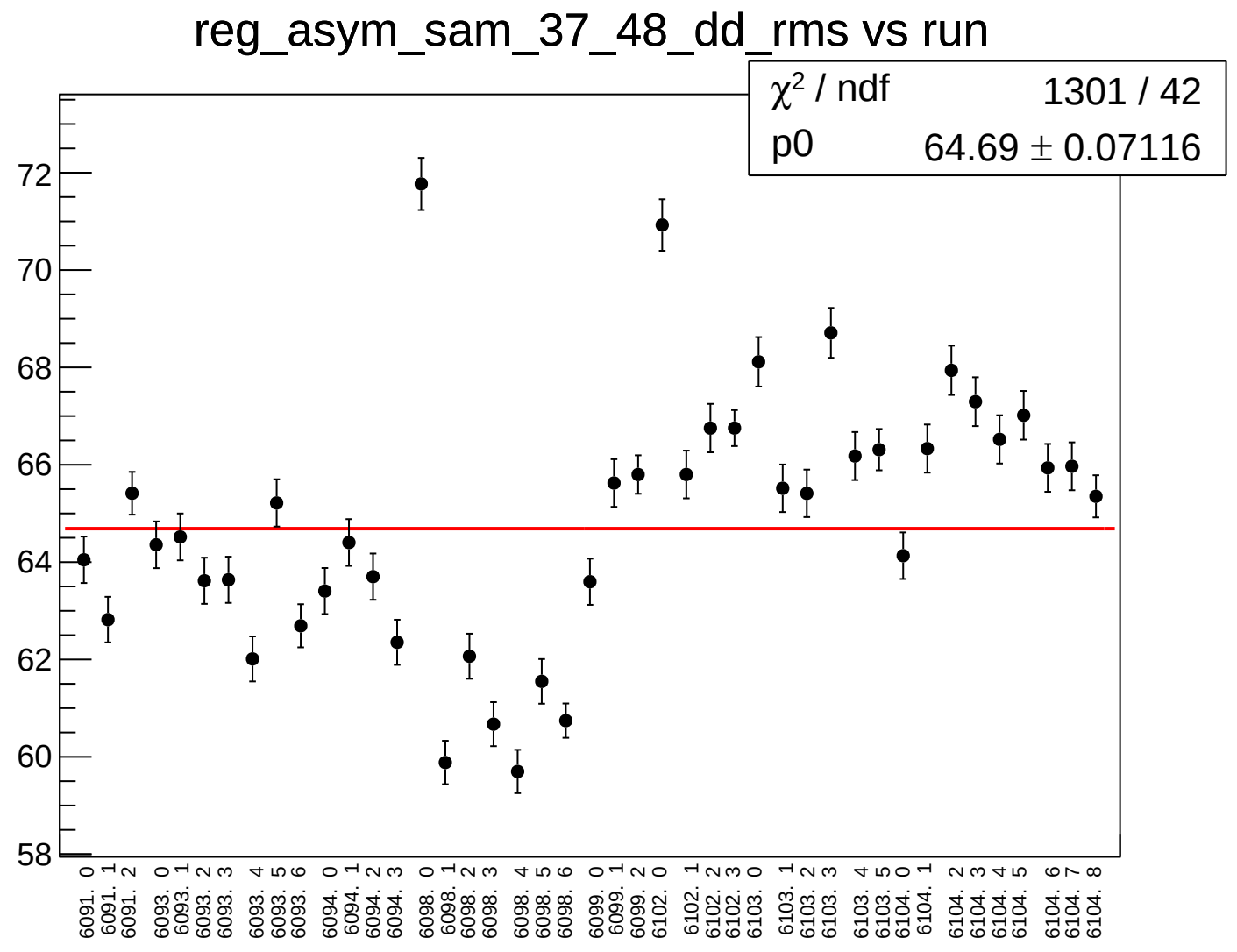

asym_sam_15_48_dd_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 2.04e+04 / 42
p0 23.31 ± 0.02595
40
35
30
25
20
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

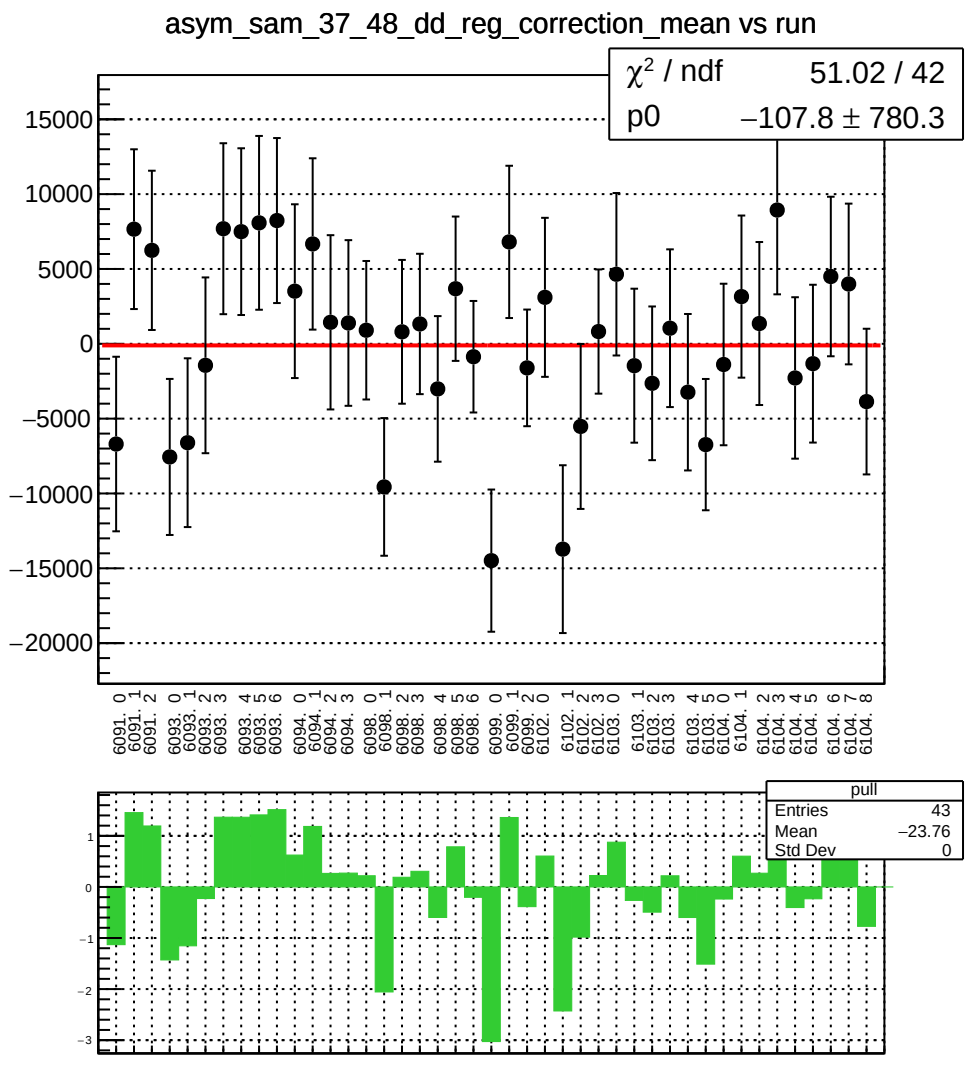

asym_sam_15_48_dd_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 44.38 / 42
p0 −8.078e−15 ± 3.763e−14
1.5
1
0.5
0
−0.5
−1
−1.5
−2
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 58.33
Std Dev 0
3
2
1
0
−1
−2
pull1D
Entries 43
Mean −0.03366
Std Dev 1.015
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

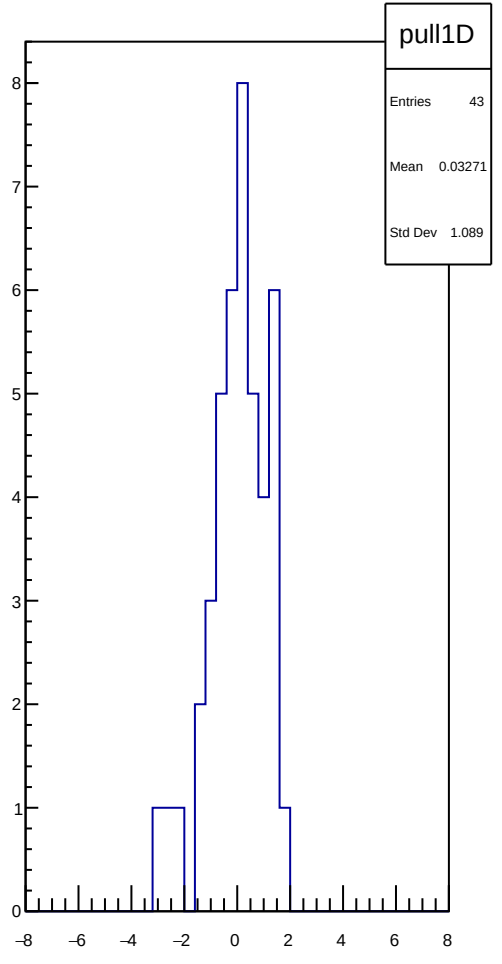

asym_sam_15_48_dd_eigen_cor_vs_cor_diff_rms vs run
×10⁻¹²
χ² / ndf 2.054e+05 / 42
p0 2.099e−11 ± 2.661e−14
90
80
70
60
50
40
30
20
10
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

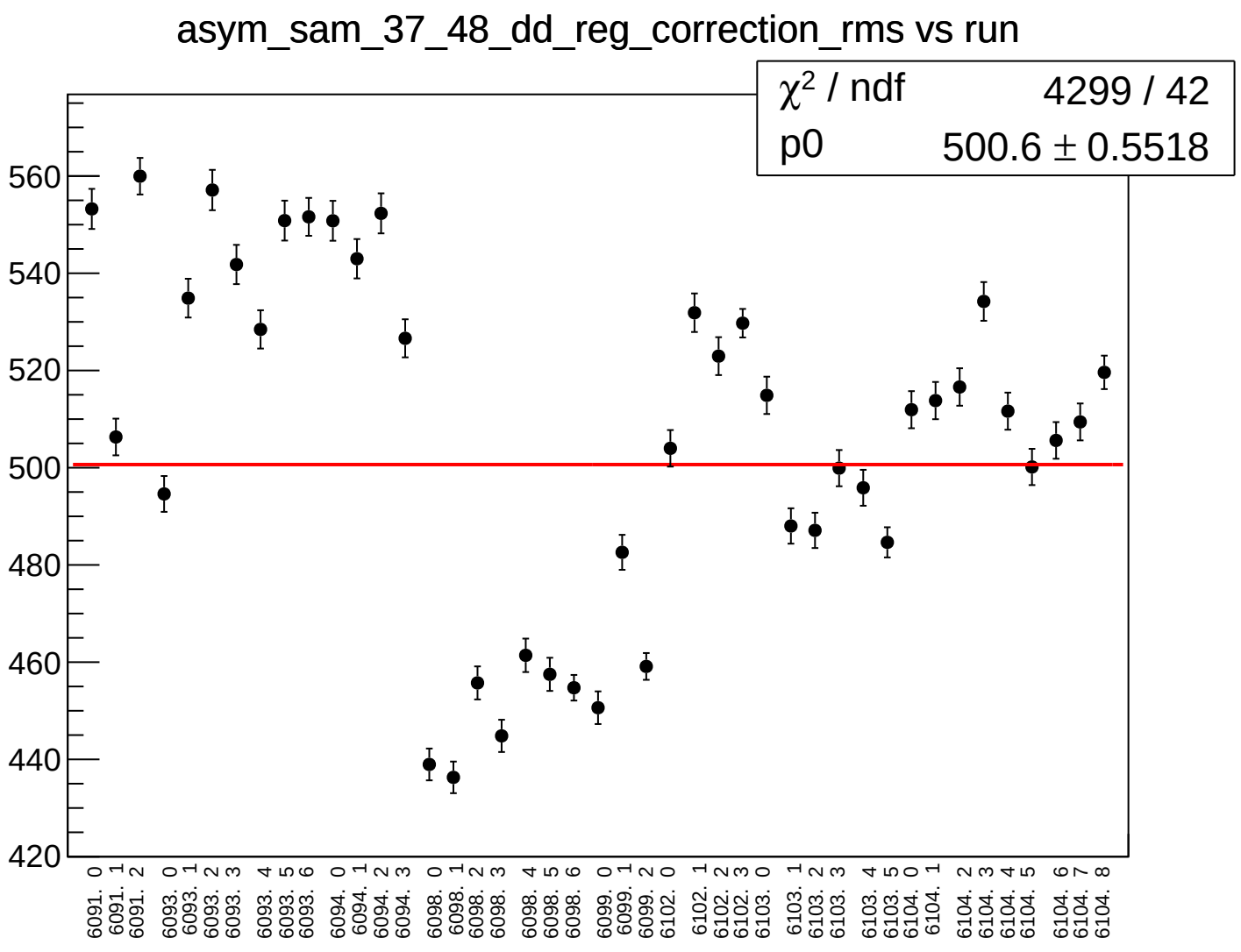

reg_asym_sam_37_48_dd_mean vs run
χ² / ndf 49.01 / 42
p0 27.4 ± 100.6
2000
1000
0
−1000
−2000
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 14.85
Std Dev 68
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

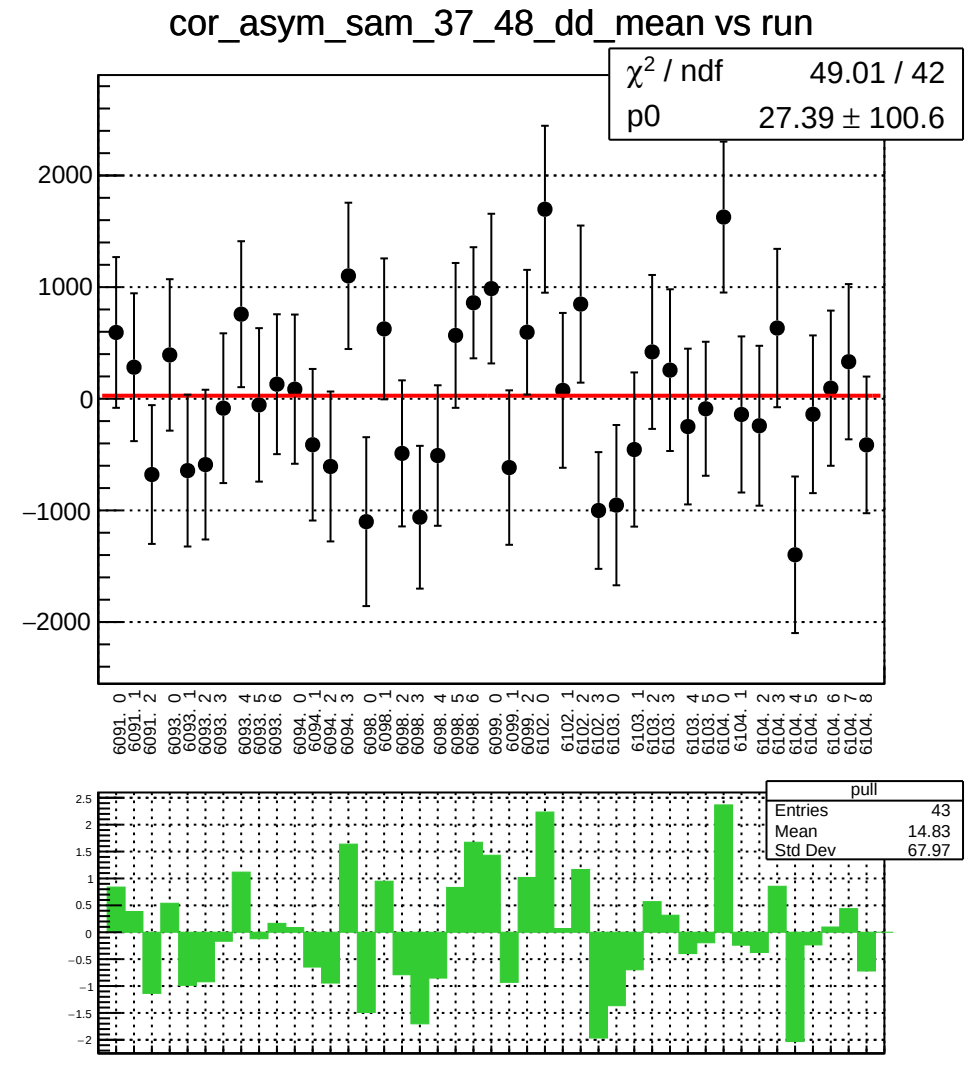

pull1D
Entries 43
Mean −0.002849
Std Dev 1.068
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

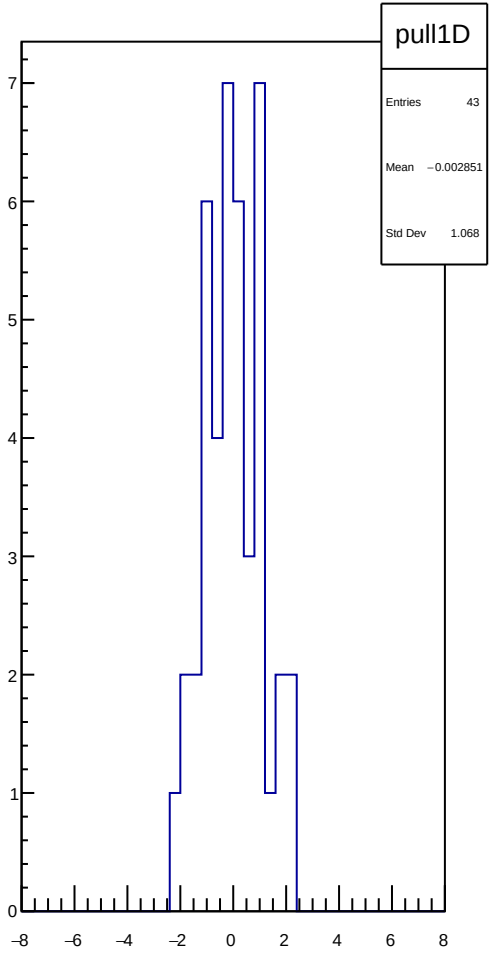

reg_asym_sam_37_48_dd_rms vs run
χ² / ndf 1301 / 42
p0 64.69 ± 0.07116
72
70
68
66
64
62
60
58
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

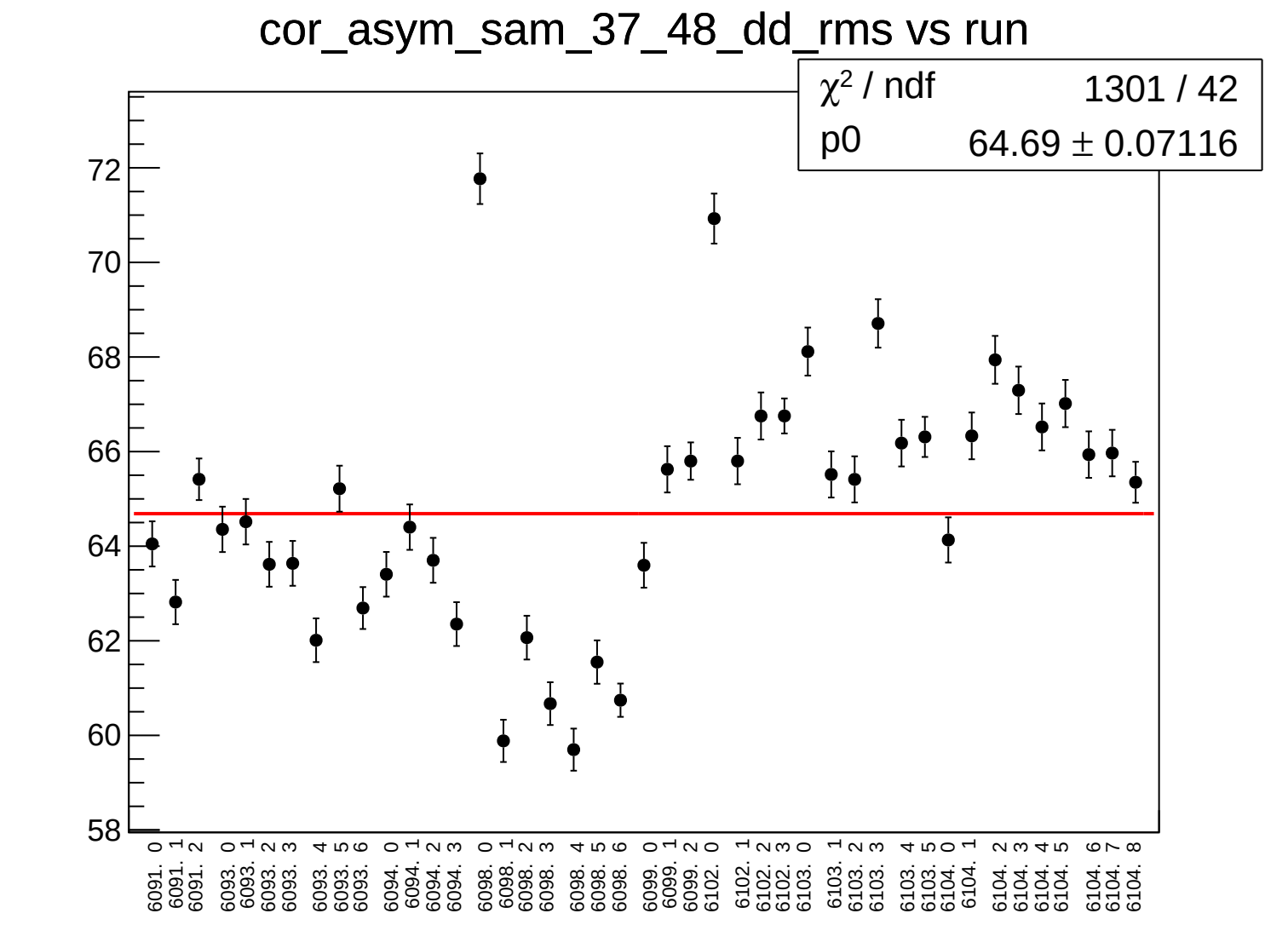

asym_sam_37_48_dd_reg_correction_mean vs run
χ² / ndf 51.02 / 42
p0 −107.8 ± 780.3
15000
10000
5000
0
−5000
−10000
−15000
−20000
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean −23.76
Std Dev 0
1
0
−1
−2
−3

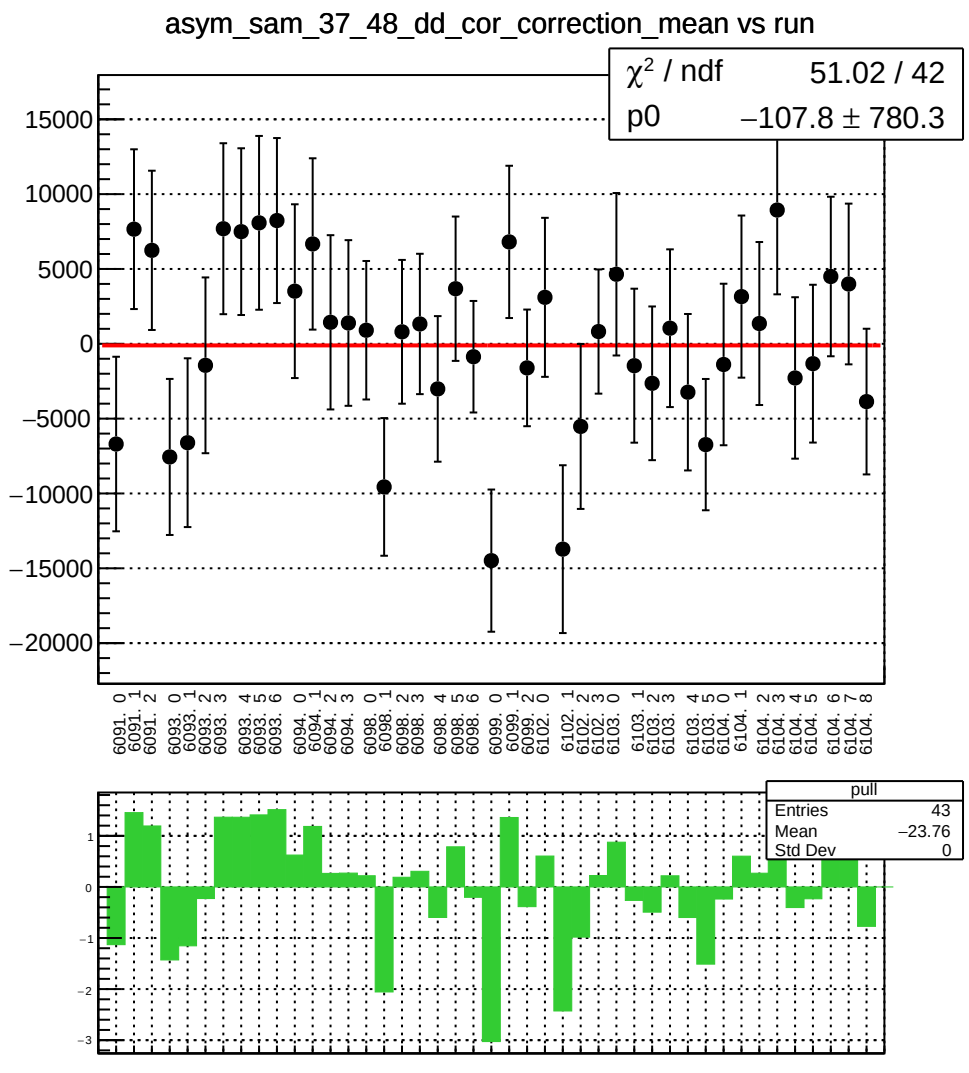

pull1D
Entries 43
Mean 0.03271
Std Dev 1.089
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

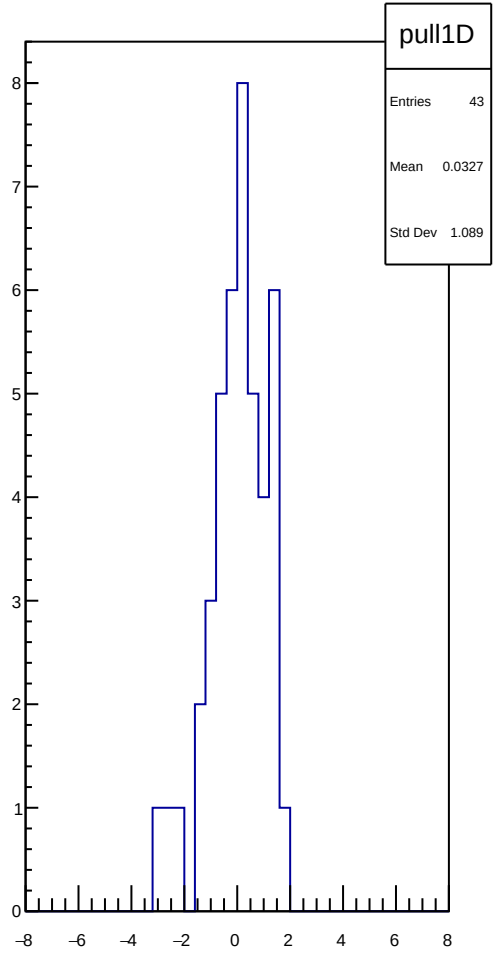

asym_sam_37_48_dd_reg_correction_rms vs run
χ² / ndf 4299 / 42
p0 500.6 ± 0.5518
560
540
520
500
480
460
440
420
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

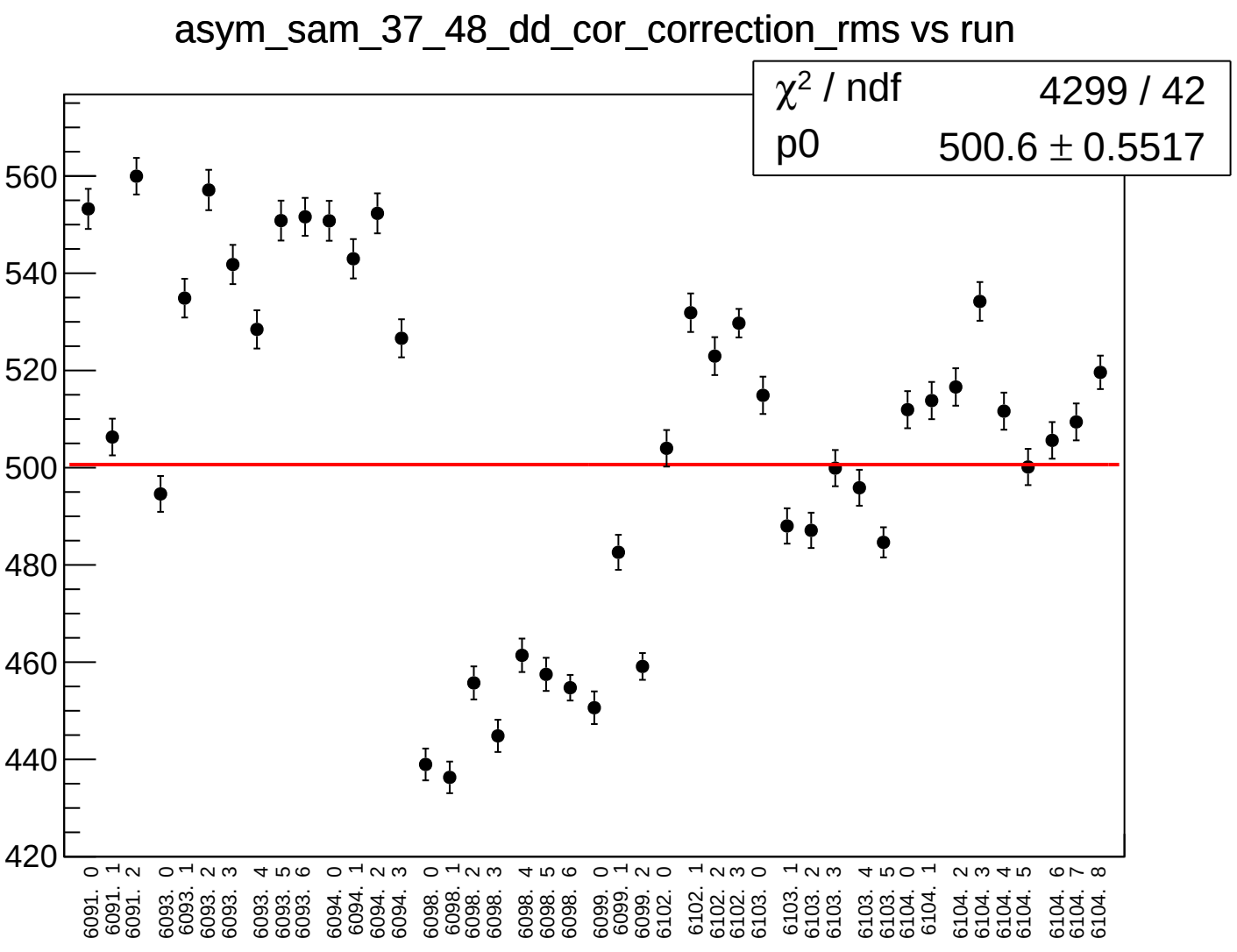

cor_asym_sam_37_48_dd_mean vs run
χ² / ndf 49.01 / 42
p0 27.39 ± 100.6
2000
1000
0
−1000
−2000
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 14.83
Std Dev 67.97
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

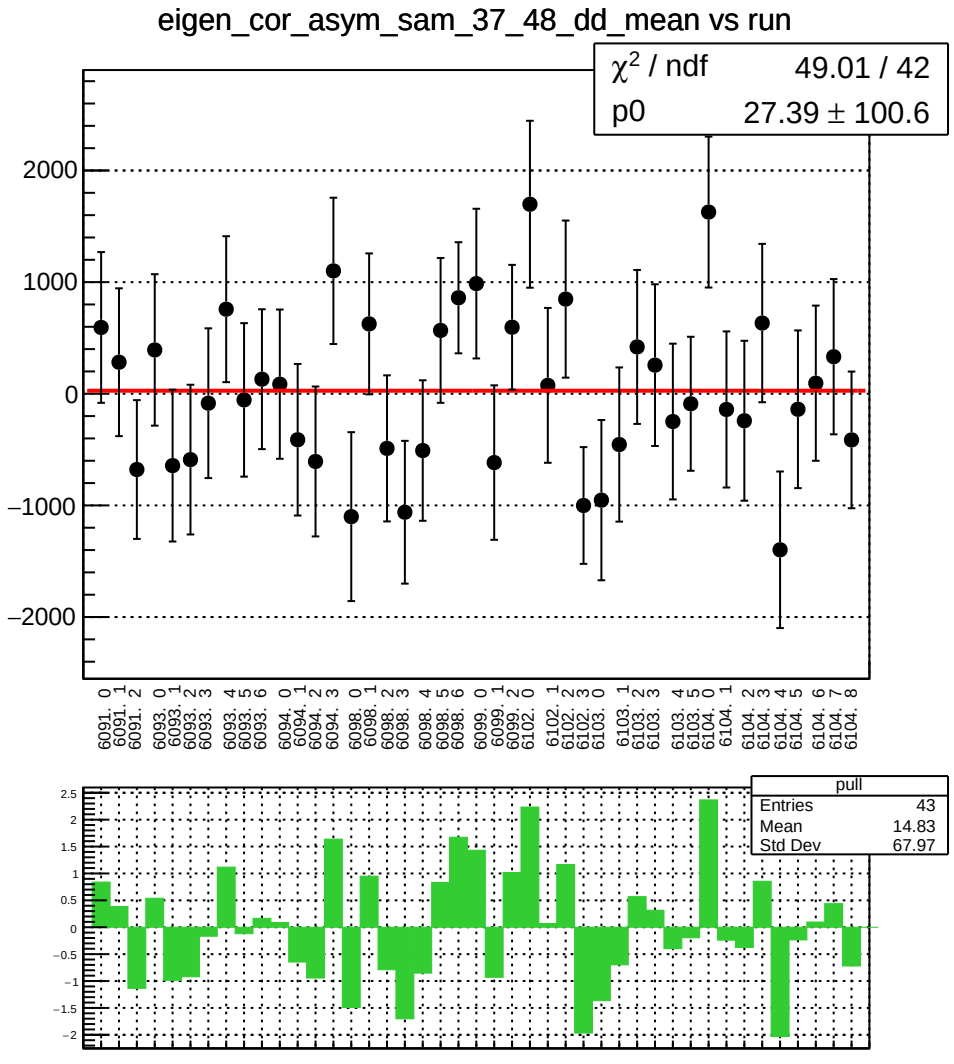

pull1D
Entries 43
Mean −0.002851
Std Dev 1.068
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

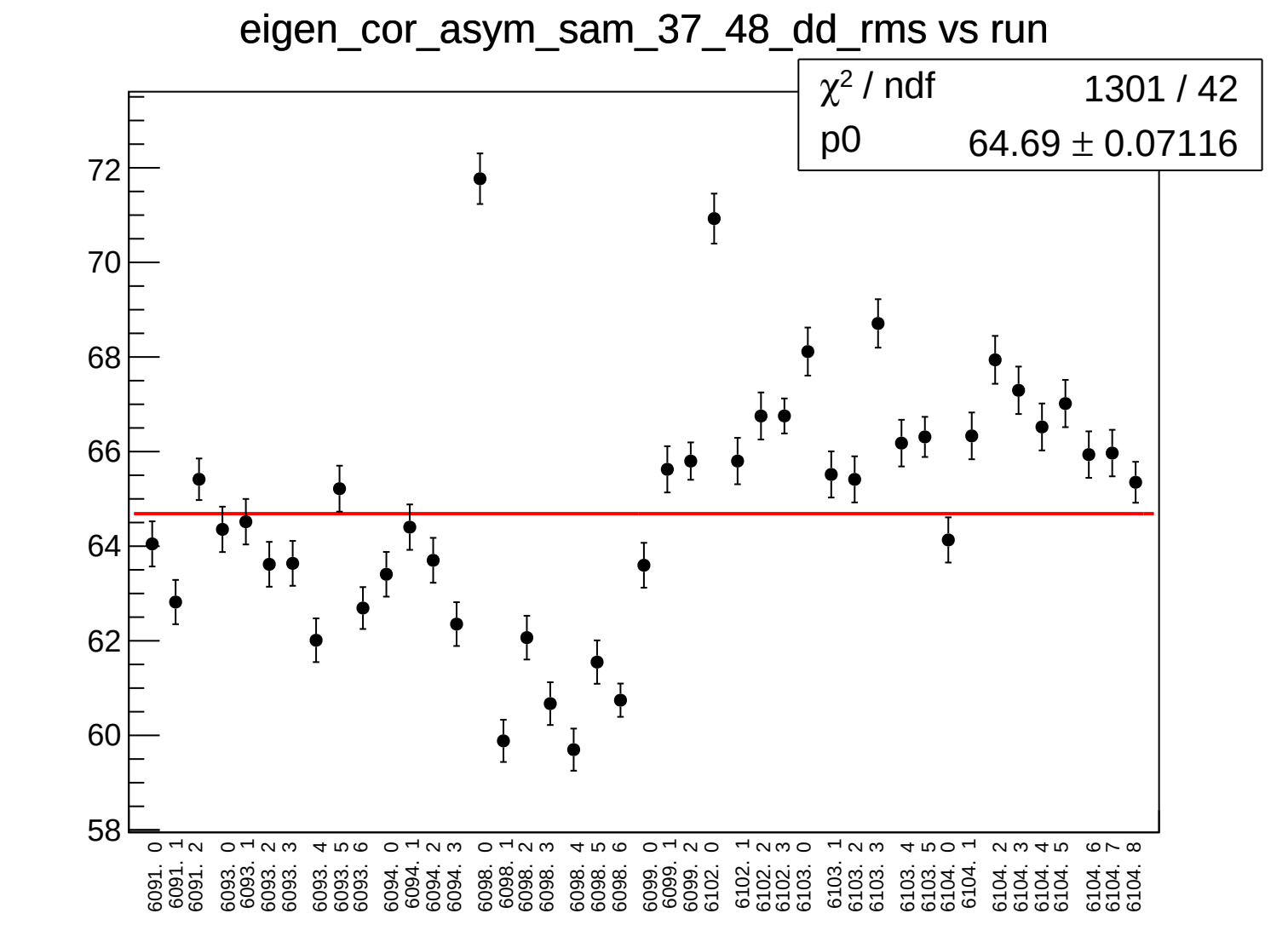

cor_asym_sam_37_48_dd_rms vs run
χ² / ndf 1301 / 42
p0 64.69 ± 0.07116
72
70
68
66
64
62
60
58
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8


asym_sam_37_48_dd_cor_correction_mean vs run
χ² / ndf 51.02 / 42
p0 −107.8 ± 780.3
15000
10000
5000
0
−5000
−10000
−15000
−20000
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean −23.76
Std Dev 0
1
0
−1
−2
−3


pull1D
Entries 43
Mean 0.0327
Std Dev 1.089
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


asym_sam_37_48_dd_cor_correction_rms vs run
χ² / ndf 4299 / 42
p0 500.6 ± 0.5517
560
540
520
500
480
460
440
420
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8


eigen_cor_asym_sam_37_48_dd_mean vs run
χ² / ndf 49.01 / 42
p0 27.39 ± 100.6
2000
1000
0
−1000
−2000
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 14.83
Std Dev 67.97
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 43
Mean −0.002851
Std Dev 1.068
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


eigen_cor_asym_sam_37_48_dd_rms vs run
χ² / ndf 1301 / 42
p0 64.69 ± 0.07116
72
70
68
66
64
62
60
58
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
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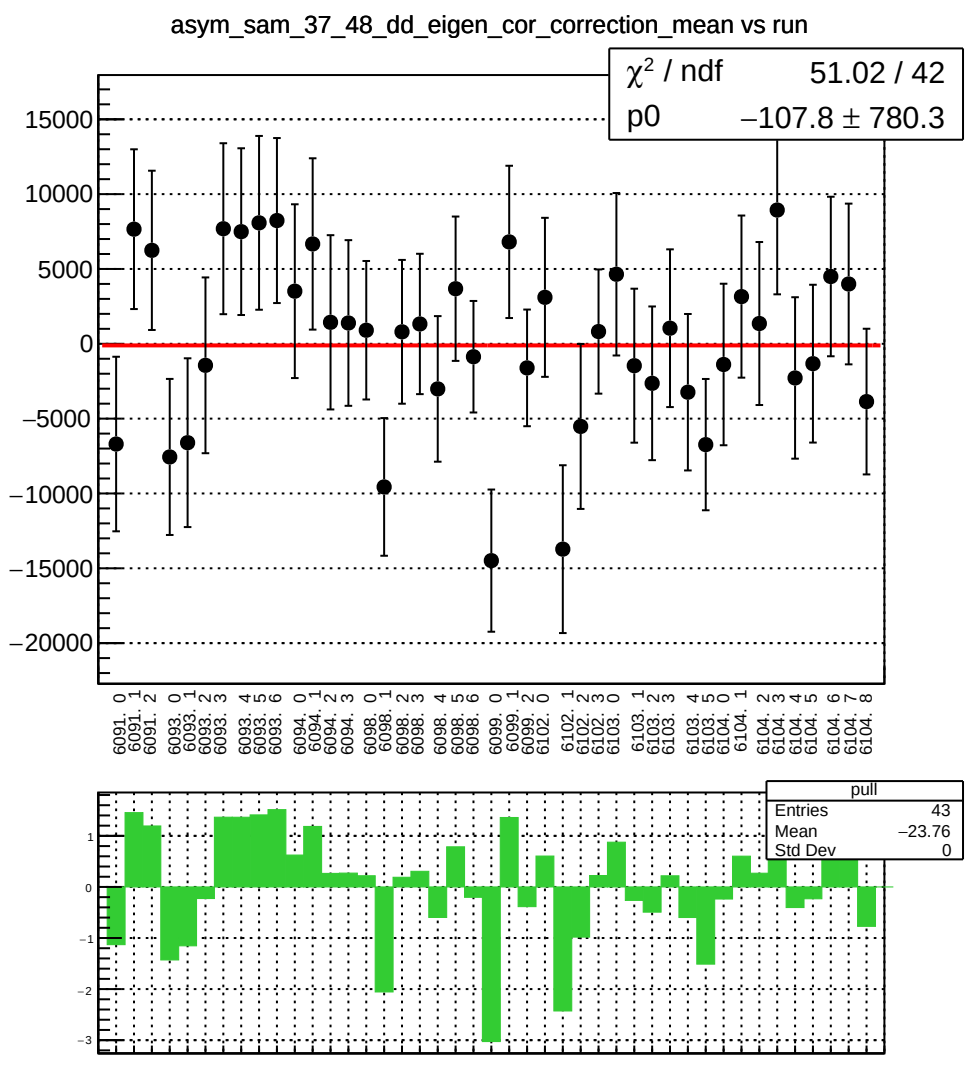
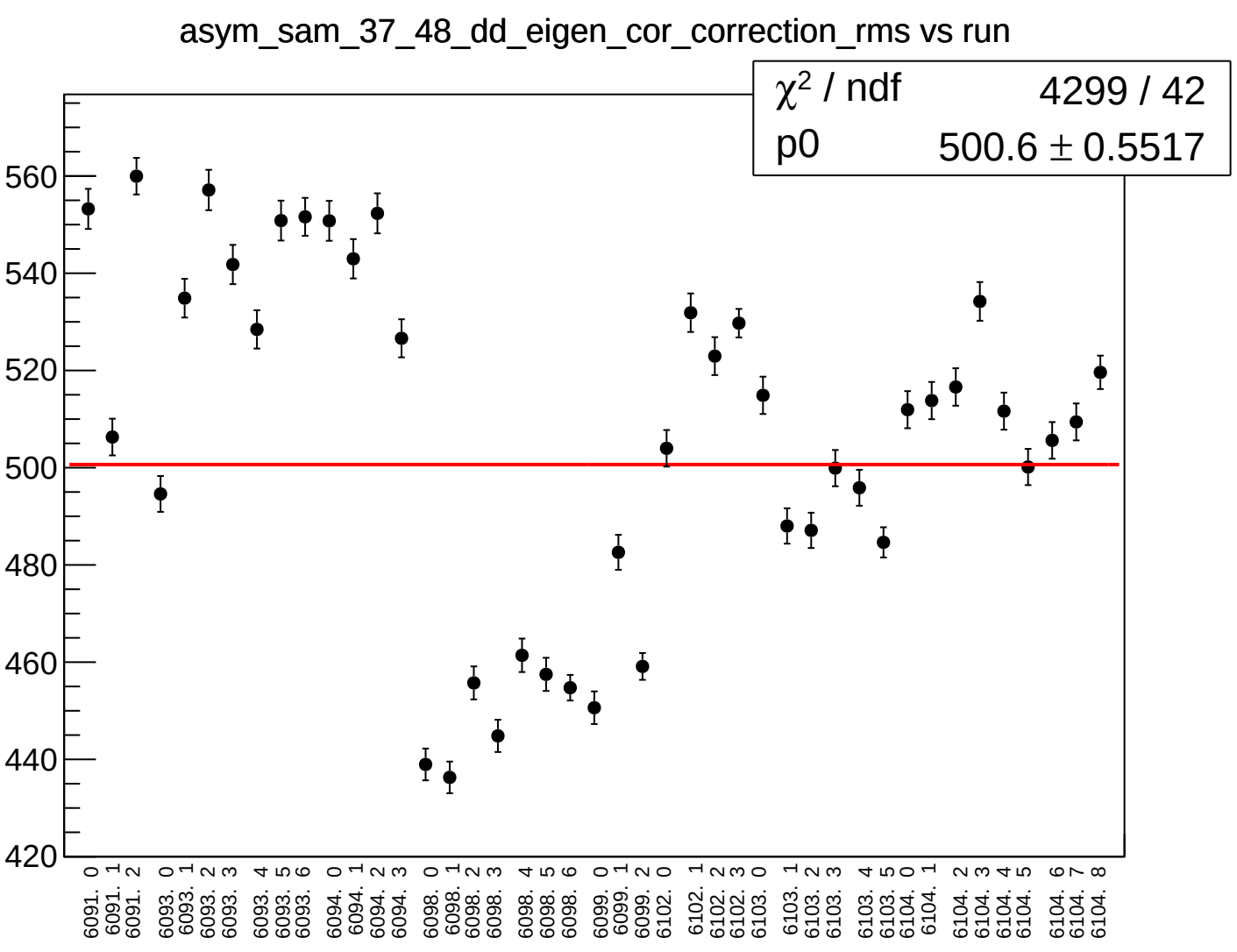
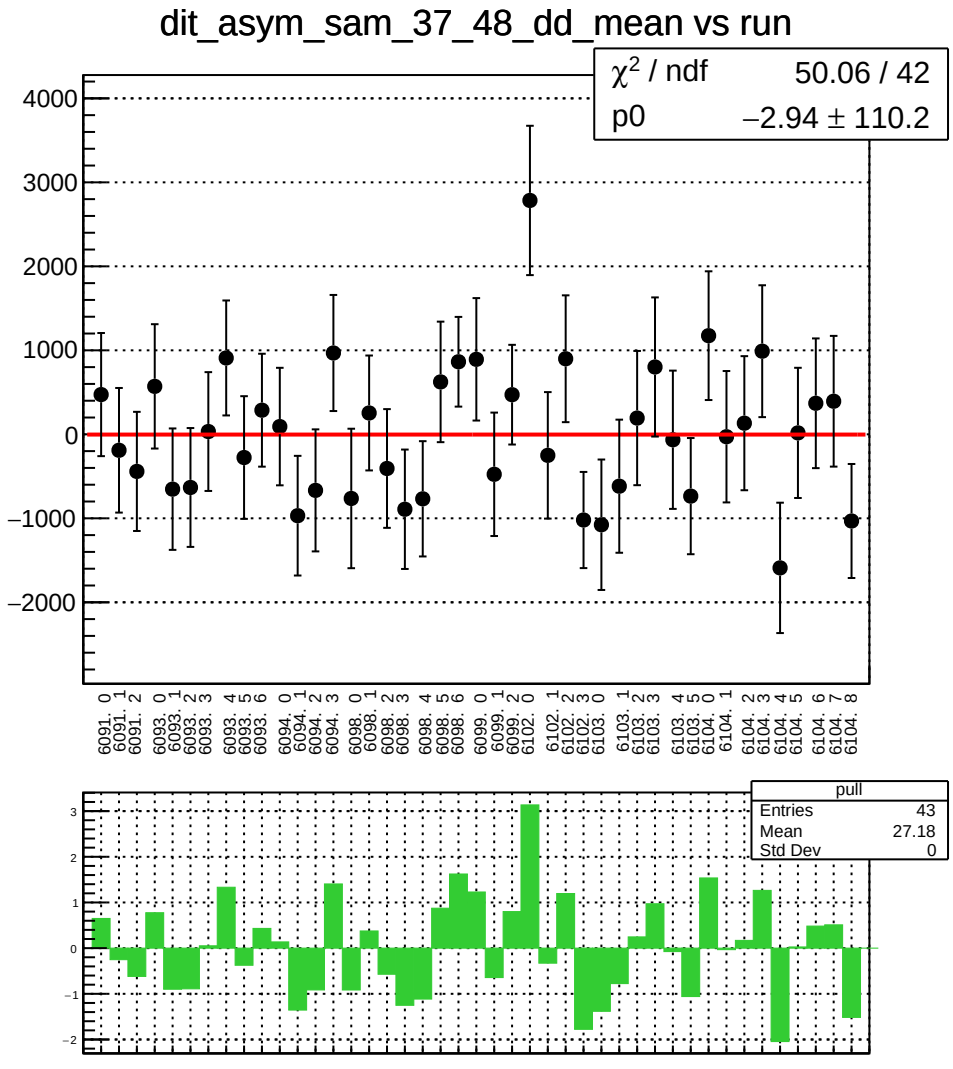
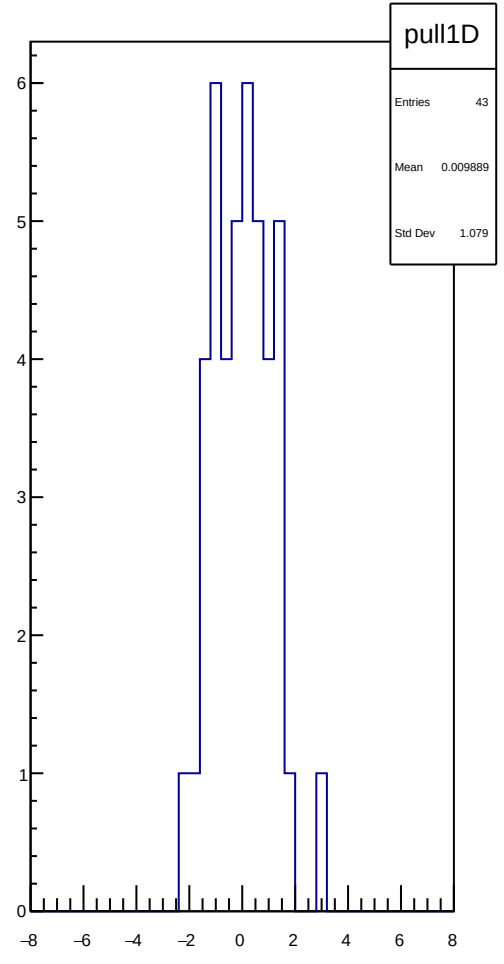
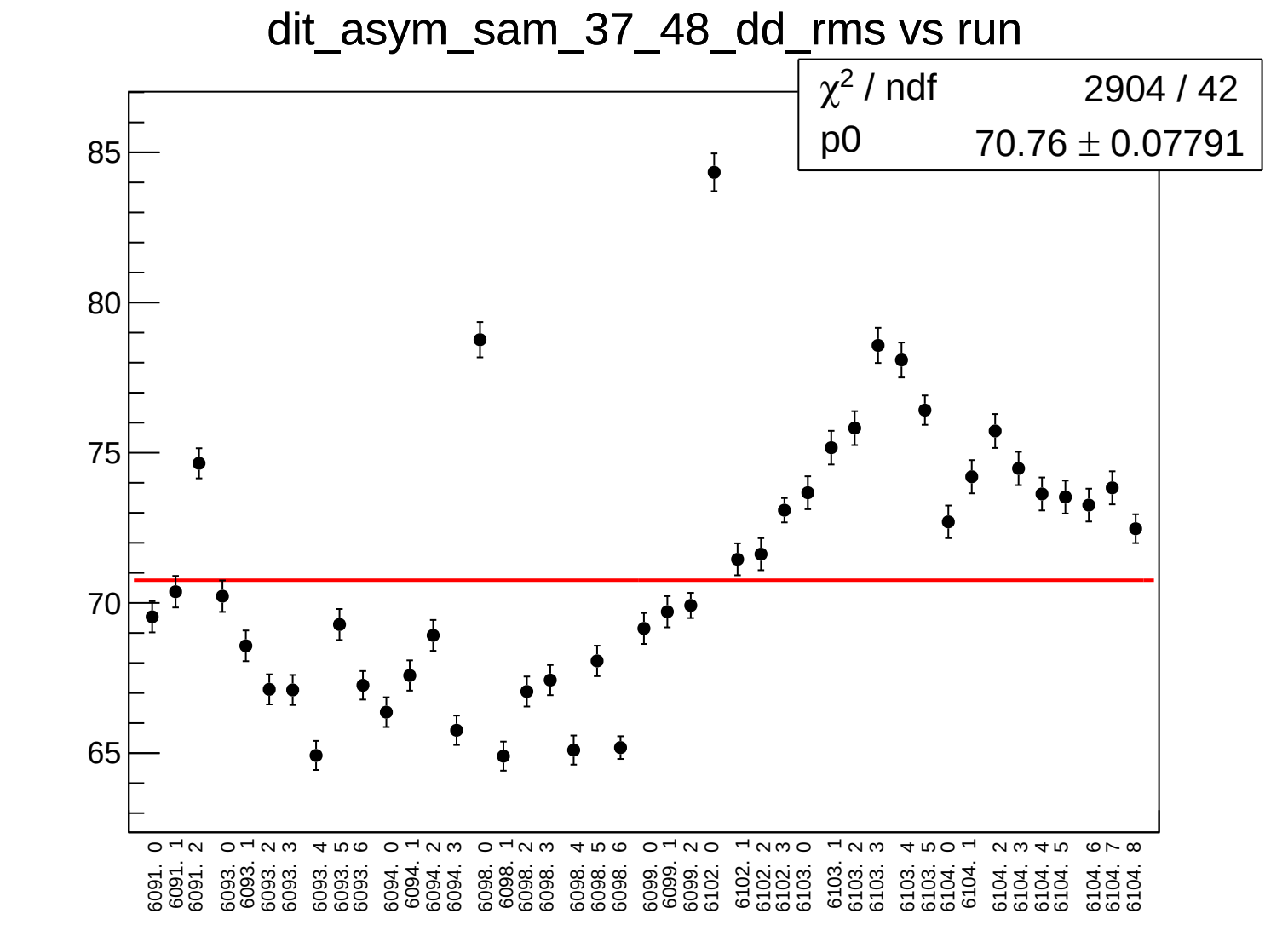
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

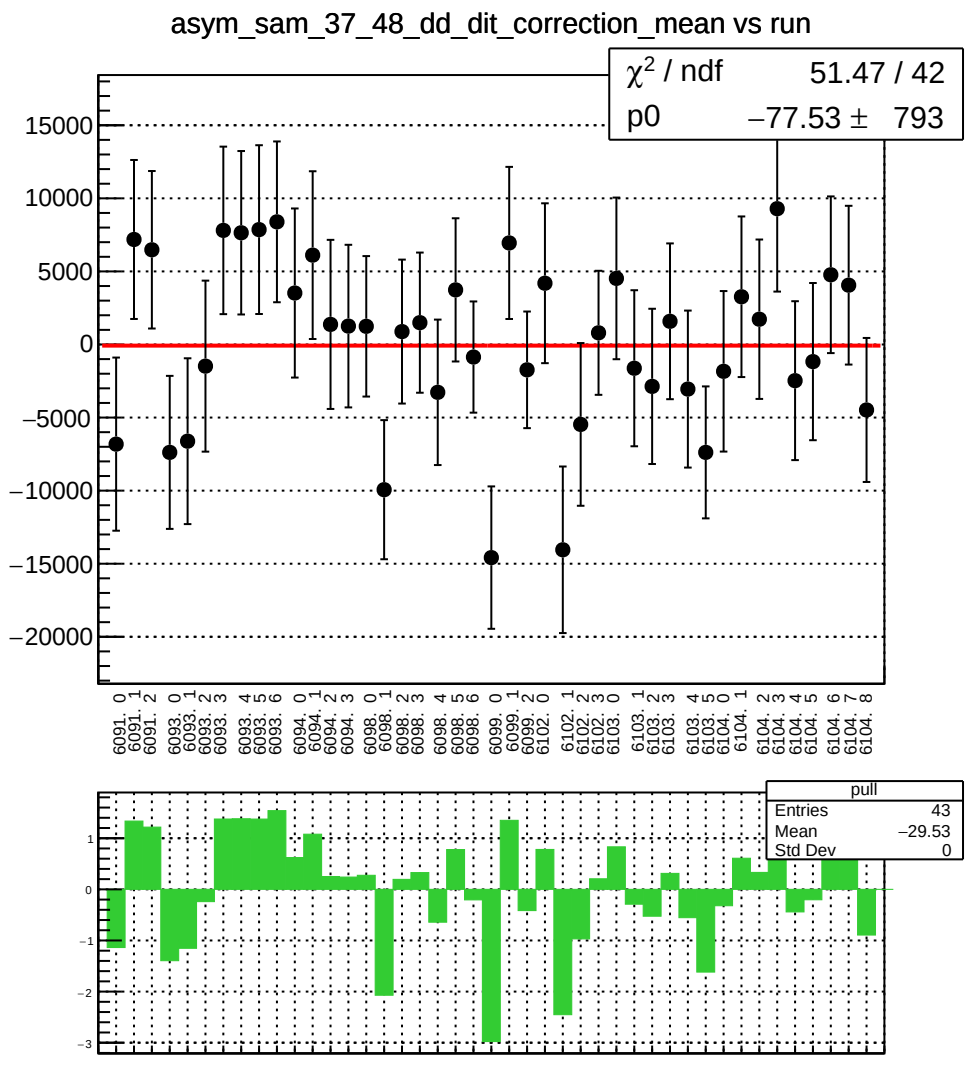

asym_sam_37_48_dd_eigen_cor_correction_mean vs run
χ² / ndf 51.02 / 42
p0 −107.8 ± 780.3
15000
10000
5000
0
−5000
−10000
−15000
−20000
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean −23.76
Std Dev 0
1
0
−1
−2
−3
pull1D
Entries 43
Mean 0.0327
Std Dev 1.089
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

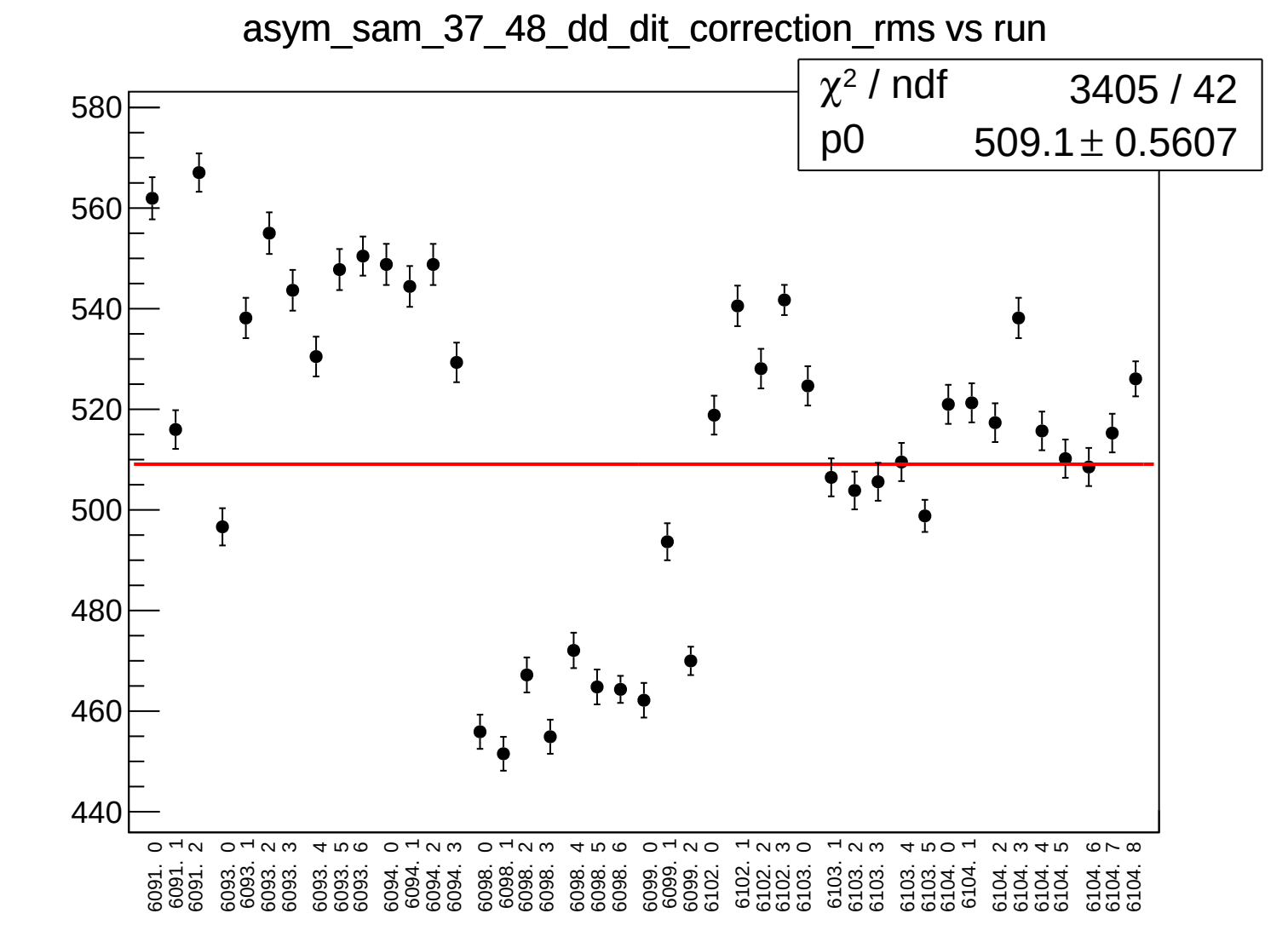

asym_sam_37_48_dd_eigen_cor_correction_rms vs run
χ² / ndf 4299 / 42
p0 500.6 ± 0.5517
560
540
520
500
480
460
440
420
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

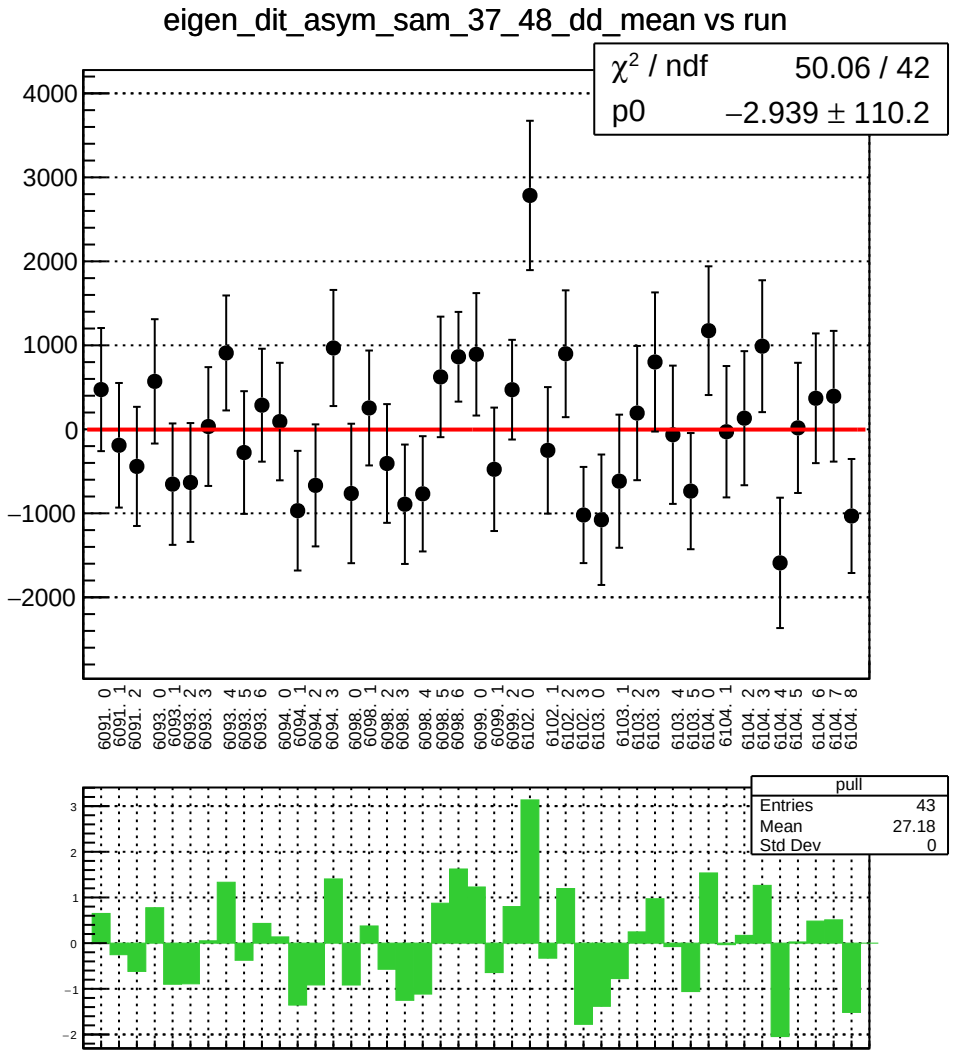

dit_asym_sam_37_48_dd_mean vs run
χ² / ndf 50.06 / 42
p0 −2.94 ± 110.2
4000
3000
2000
1000
0
−1000
−2000
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 27.18
Std Dev 0
3
2
1
0
−1
−2

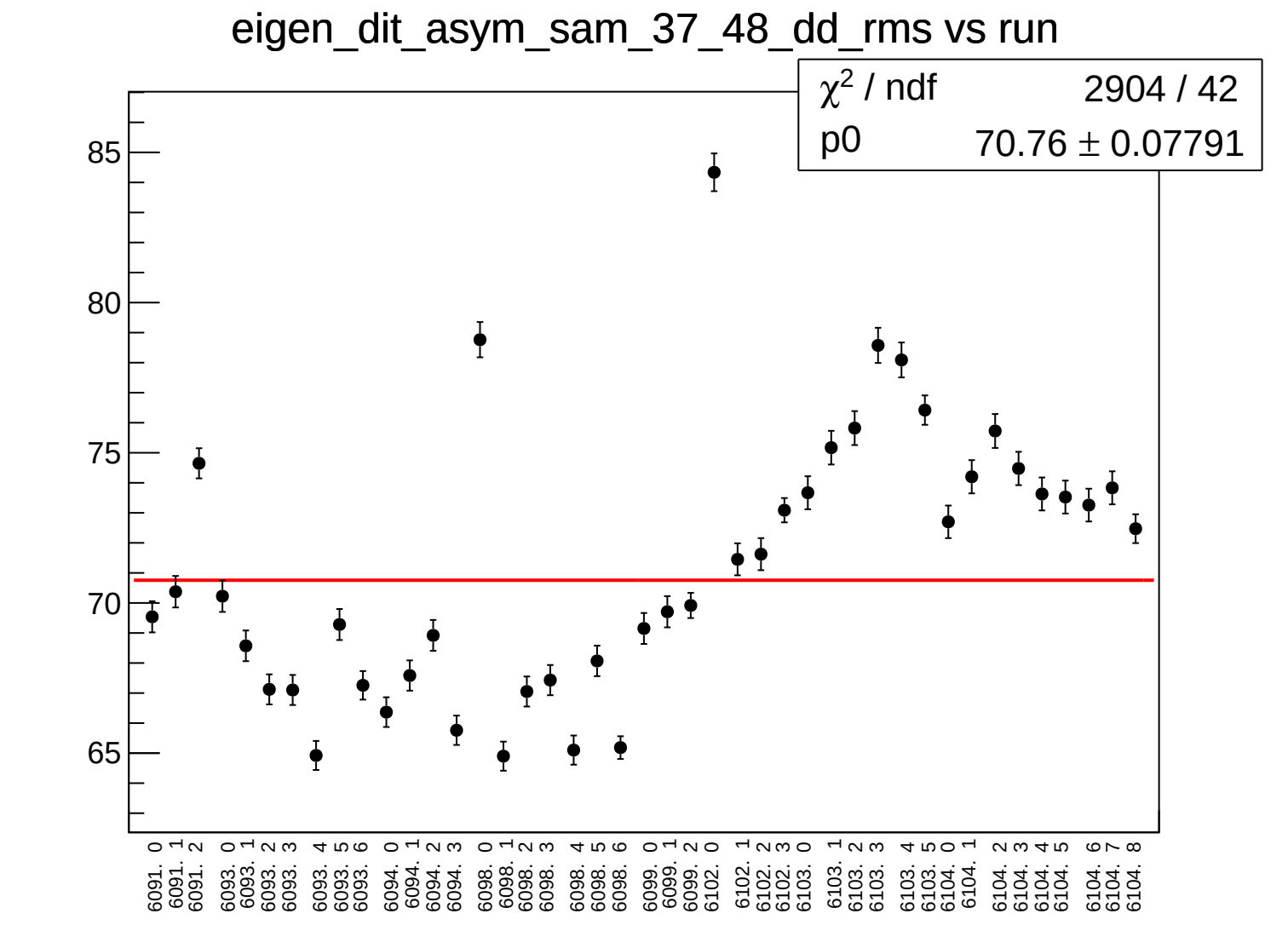

pull1D
Entries 43
Mean 0.009889
Std Dev 1.079
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

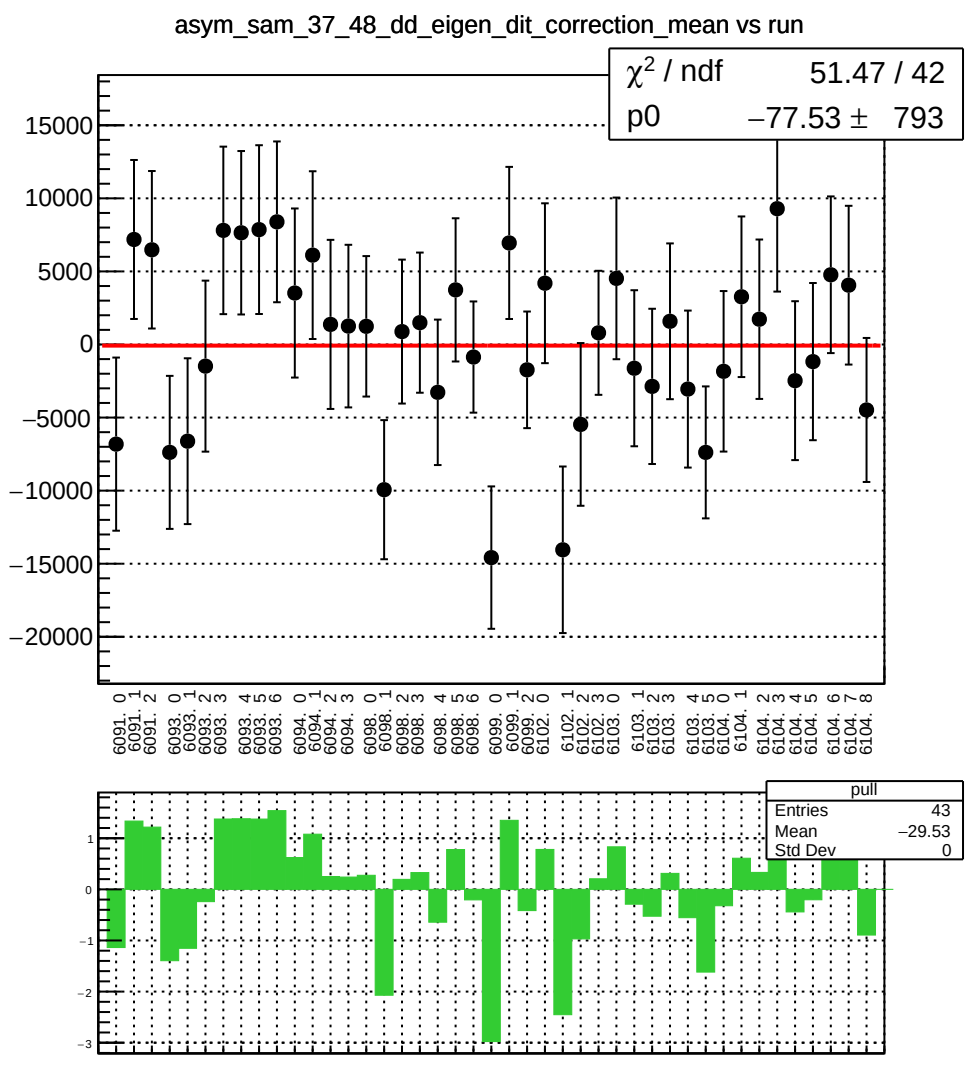

dit_asym_sam_37_48_dd_rms vs run
χ² / ndf 2904 / 42
p0 70.76 ± 0.07791
85
80
75
70
65
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

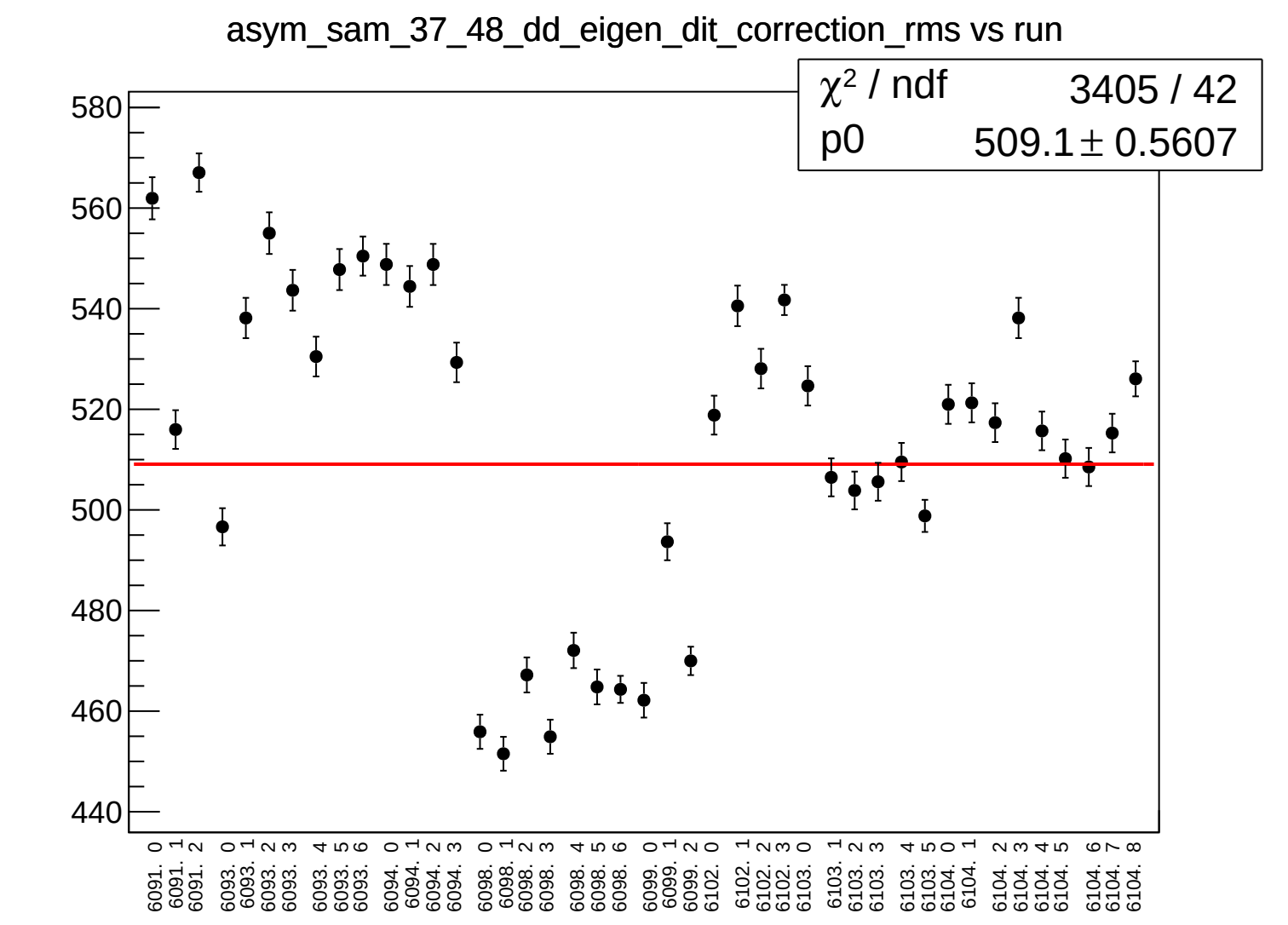

asym_sam_37_48_dd_dit_correction_mean vs run
χ² / ndf 51.47 / 42
p0 −77.53 ± 793
15000
10000
5000
0
−5000
−10000
−15000
−20000
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean −29.53
Std Dev 0
1
0
−1
−2
−3
pull1D
Entries 43
Mean 0.02855
Std Dev 1.094
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

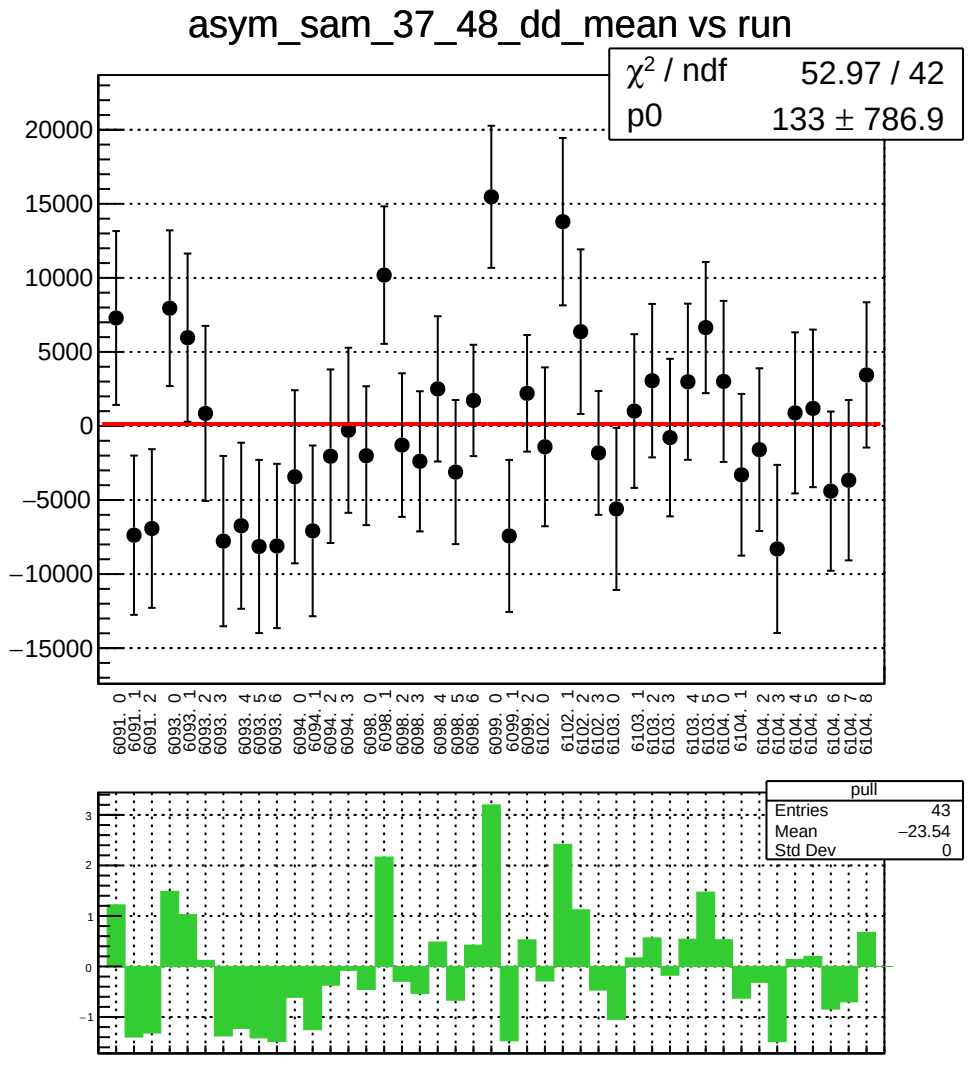

asym_sam_37_48_dd_dit_correction_rms vs run
χ² / ndf 3405 / 42
p0 509.1 ± 0.5607
580
560
540
520
500
480
460
440
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

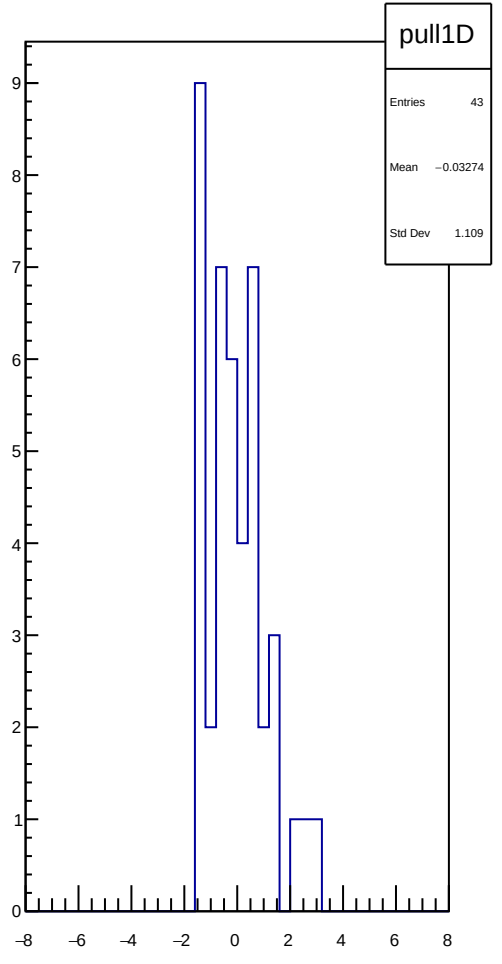

eigen_dit_asym_sam_37_48_dd_mean vs run
χ² / ndf 50.06 / 42
p0 −2.939 ± 110.2
4000
3000
2000
1000
0
−1000
−2000
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 27.18
Std Dev 0
3
2
1
0
−1
−2
pull1D
Entries 43
Mean 0.009888
Std Dev 1.079
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

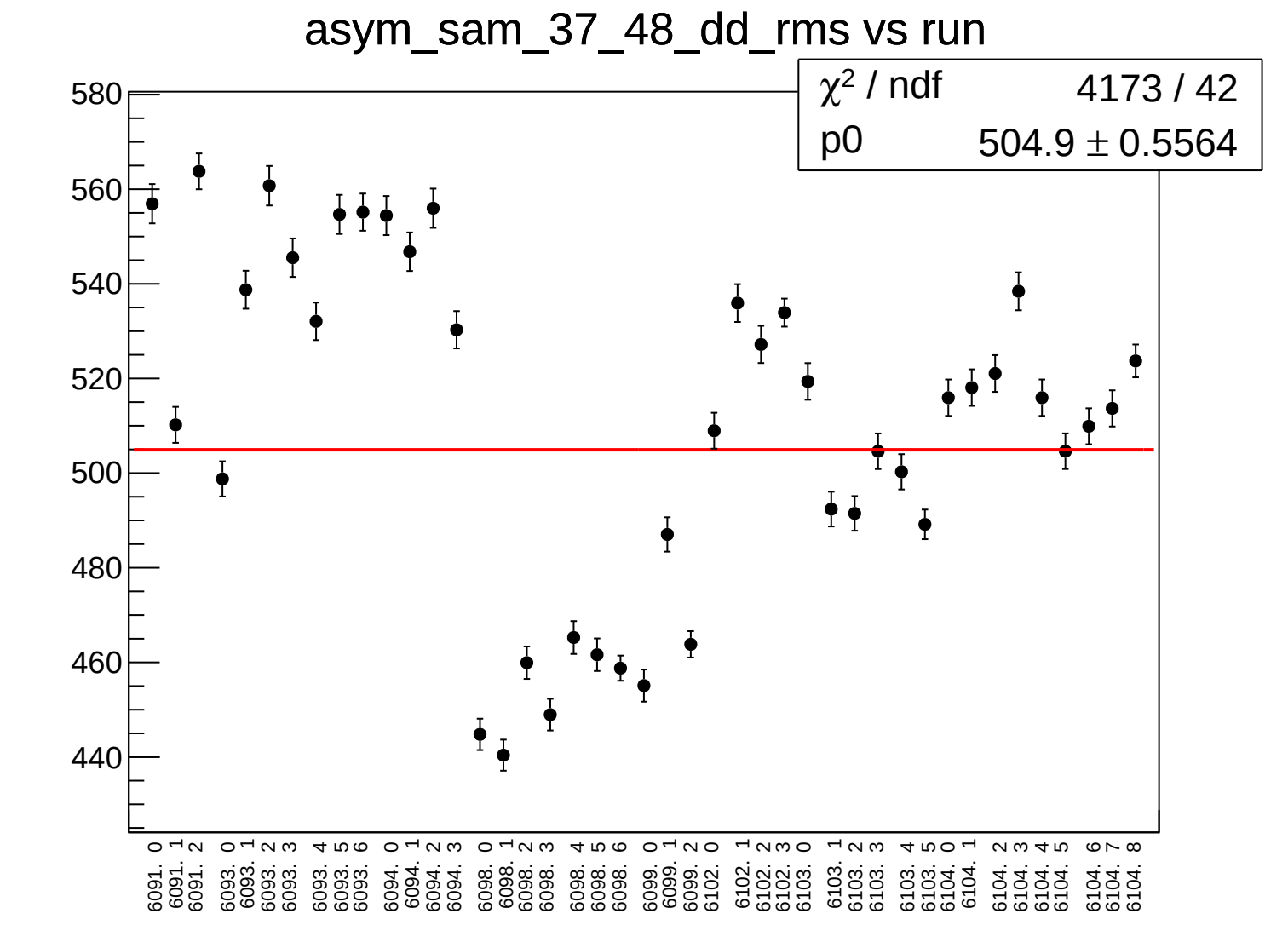

eigen_dit_asym_sam_37_48_dd_rms vs run
χ² / ndf 2904 / 42
p0 70.76 ± 0.07791
85
80
75
70
65
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

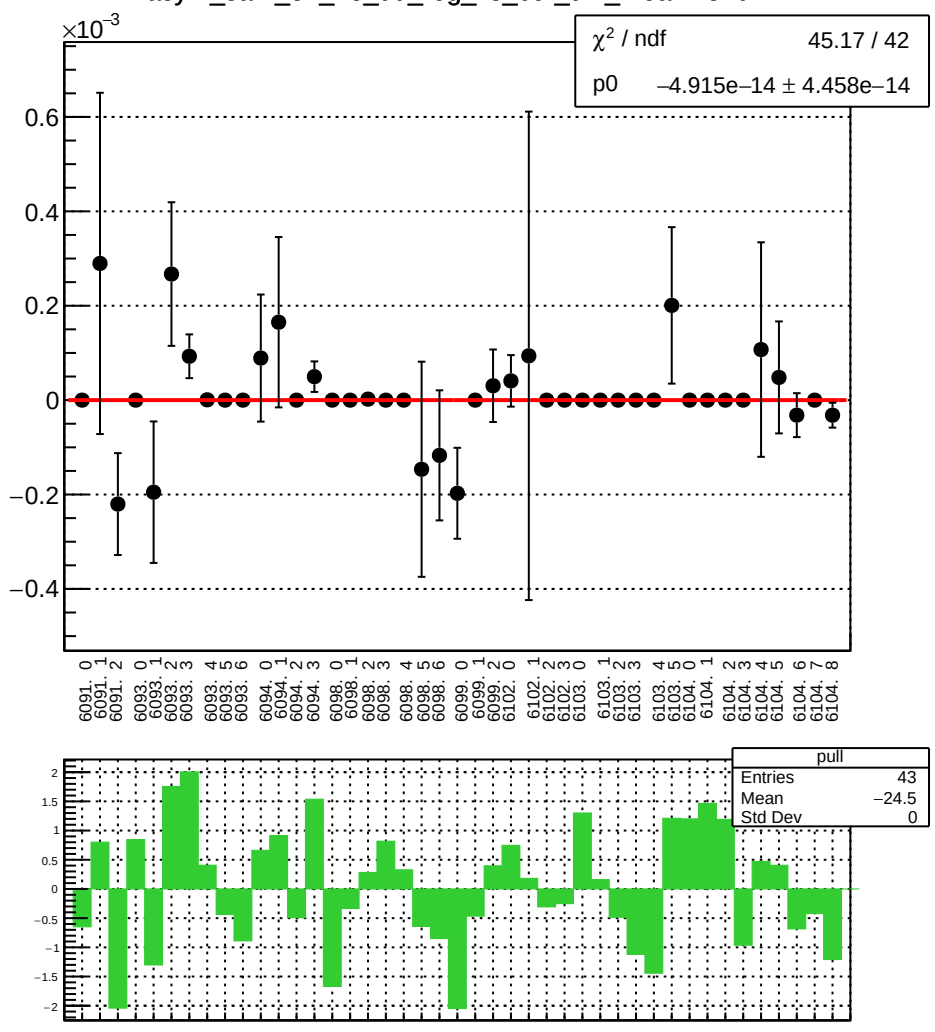

asym_sam_37_48_dd_eigen_dit_correction_mean vs run
χ² / ndf 51.47 / 42
p0 −77.53 ± 793
15000
10000
5000
0
−5000
−10000
−15000
−20000
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean −29.53
Std Dev 0
1
0
−1
−2
−3
pull1D
Entries 43
Mean 0.02855
Std Dev 1.094
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

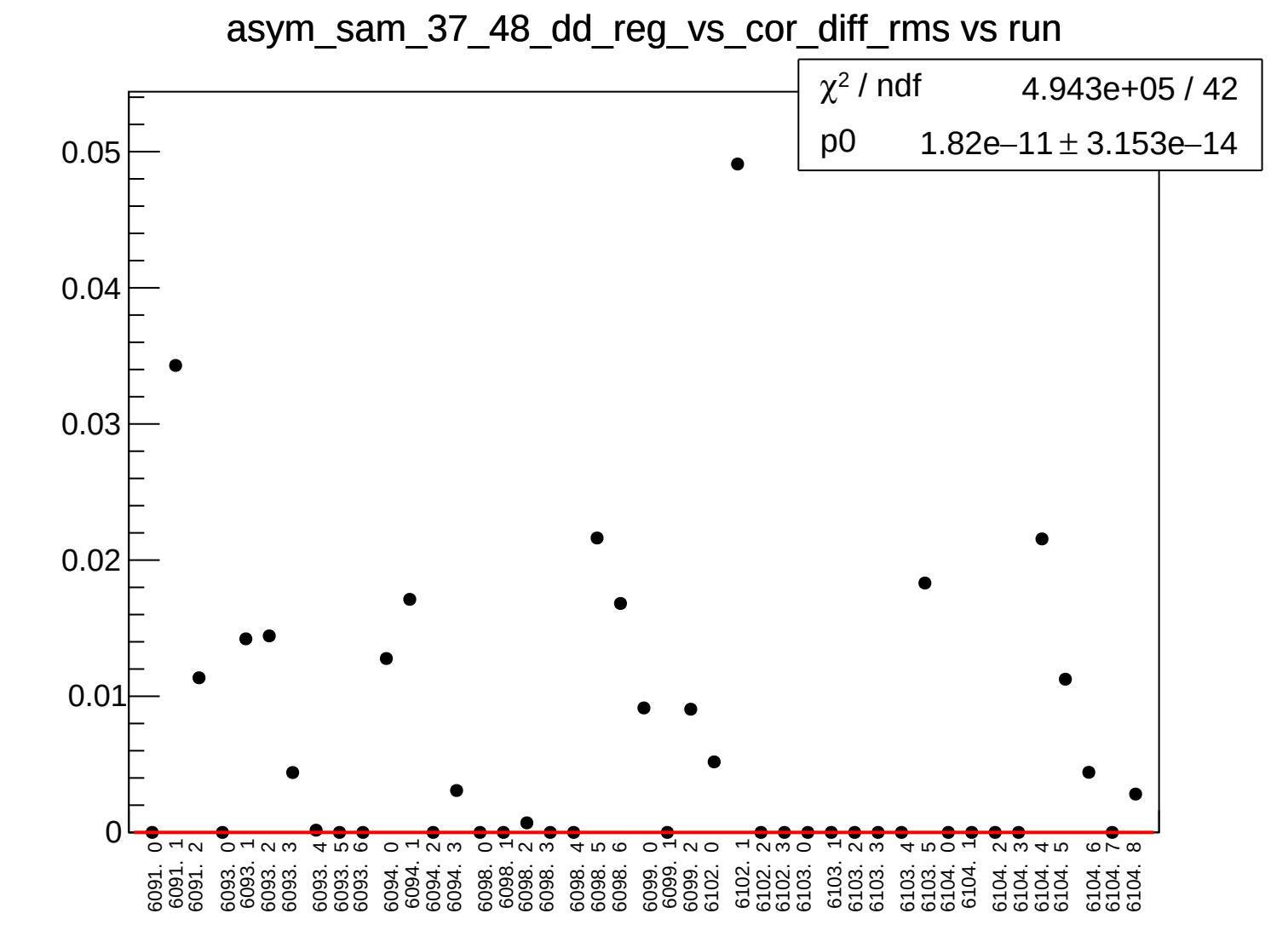

asym_sam_37_48_dd_eigen_dit_correction_rms vs run
χ² / ndf 3405 / 42
p0 509.1 ± 0.5607
580
560
540
520
500
480
460
440
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

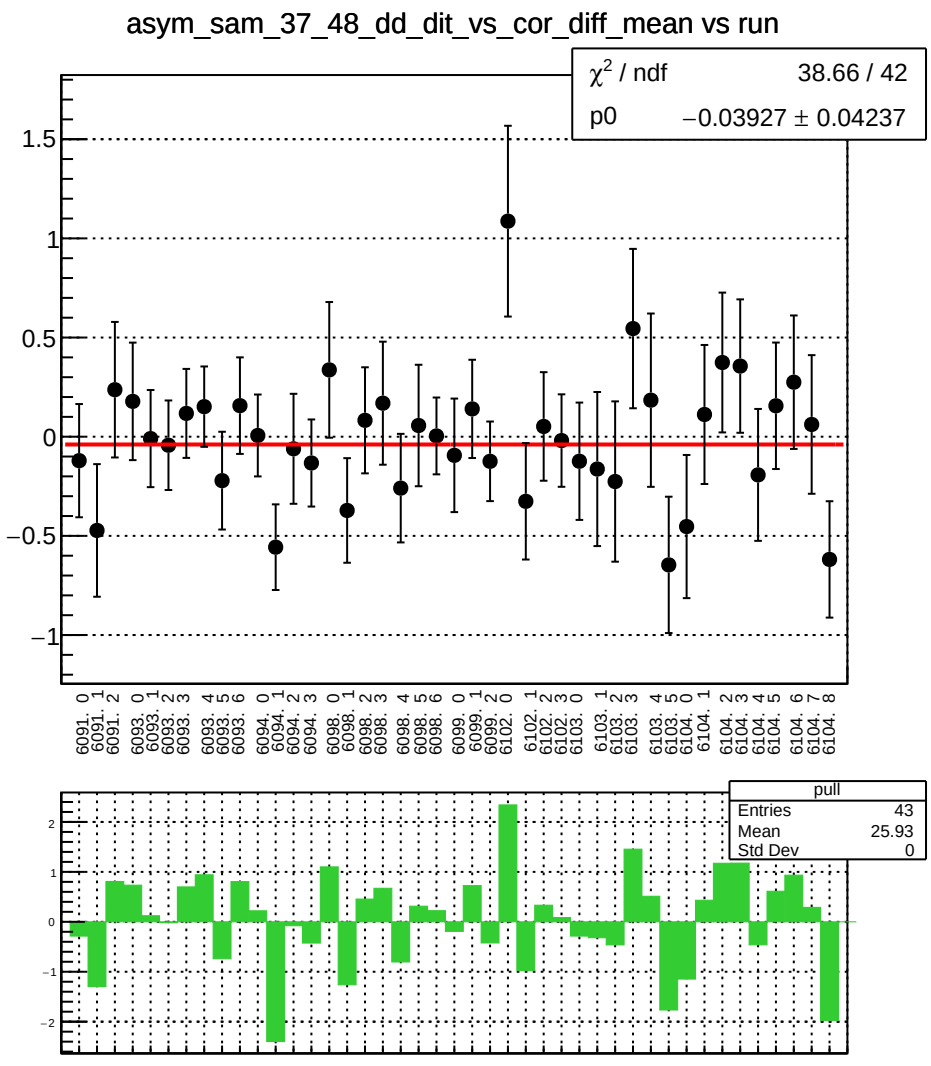

asym_sam_37_48_dd_mean vs run
χ² / ndf 52.97 / 42
p0 133 ± 786.9
20000
15000
10000
5000
0
−5000
−10000
−15000
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean −23.54
Std Dev 0
3
2
1
0
−1


pull1D
Entries 43
Mean −0.03274
Std Dev 1.109
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


asym_sam_37_48_dd_rms vs run
χ² / ndf 4173 / 42
p0 504.9 ± 0.5564
580
560
540
520
500
480
460
440
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8


asym_sam_37_48_dd_reg_vs_cor_diff_mean vs run
×10^−3
χ² / ndf 45.17 / 42
p0 −4.915e−14 ± 4.458e−14
0.6
0.4
0.2
0
−0.2
−0.4
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean −24.5
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 43
Mean 0.008875
Std Dev 1.025
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


asym_sam_37_48_dd_reg_vs_cor_diff_rms vs run
χ² / ndf 4.943e+05 / 42
p0 1.82e−11 ± 3.153e−14
0.05
0.04
0.03
0.02
0.01
0
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8


asym_sam_37_48_dd_dit_vs_cor_diff_mean vs run
χ² / ndf 38.66 / 42
p0 −0.03927 ± 0.04237
1.5
1
0.5
0
−0.5
−1
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
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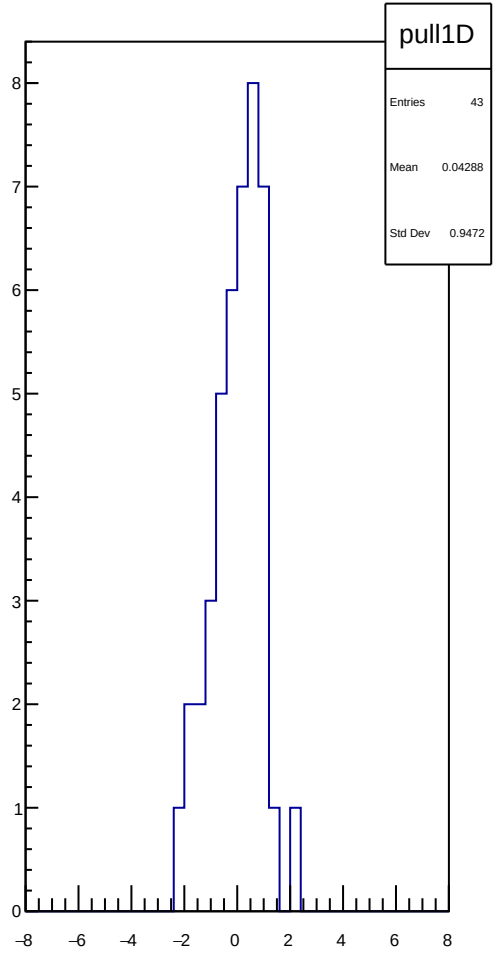
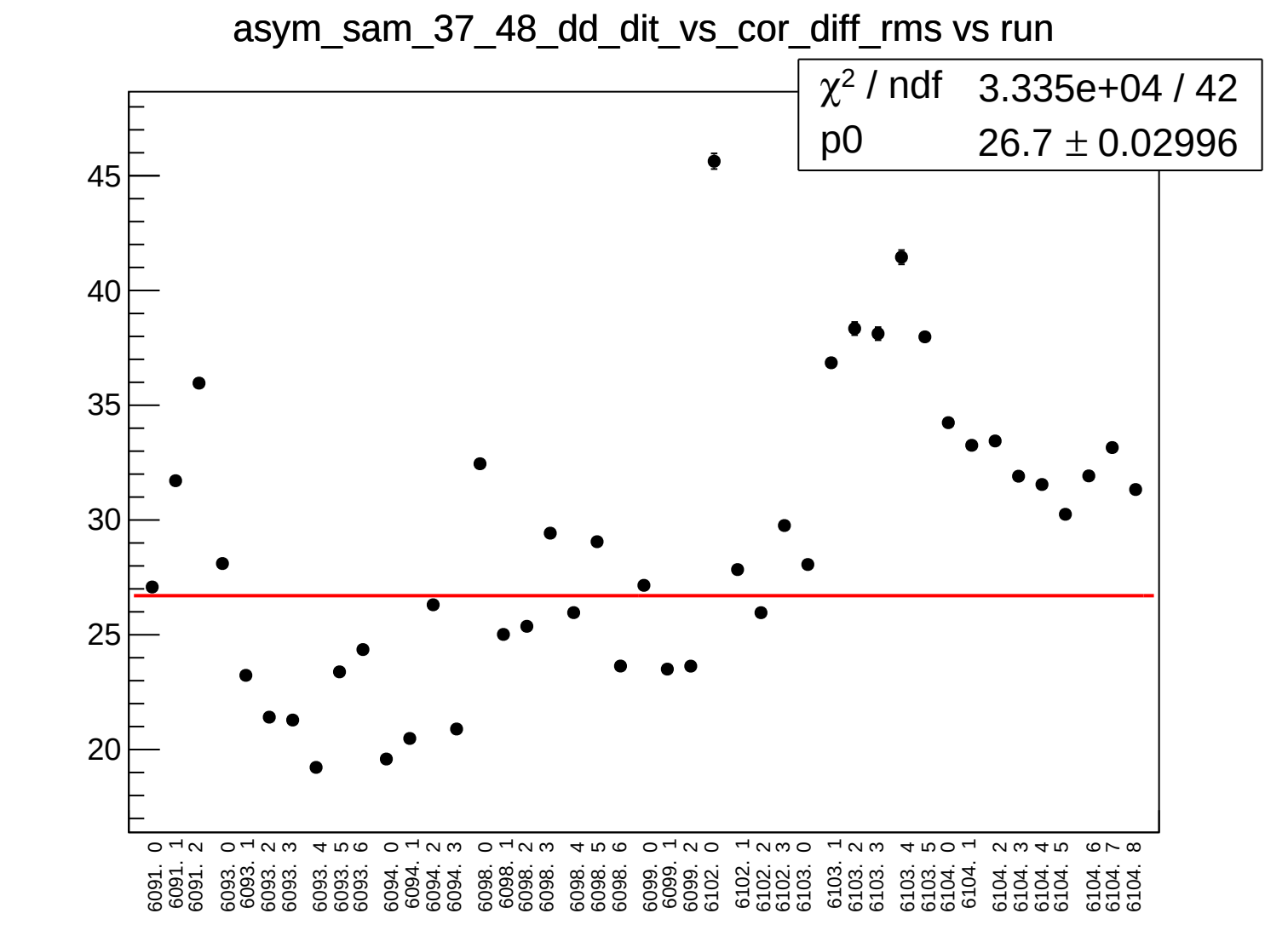
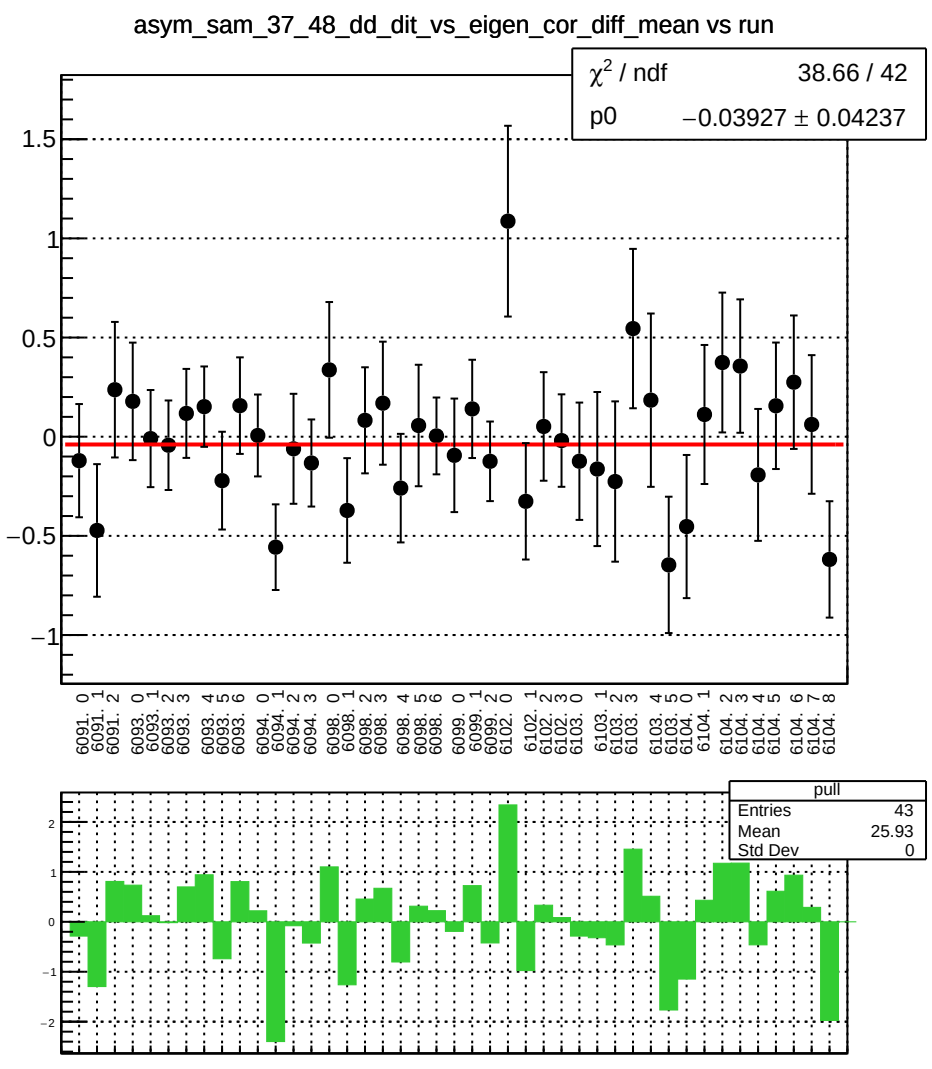
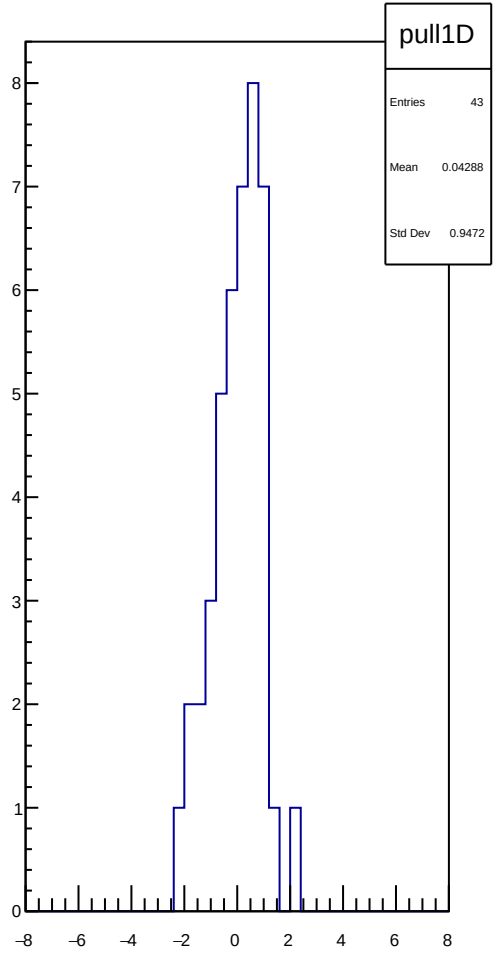
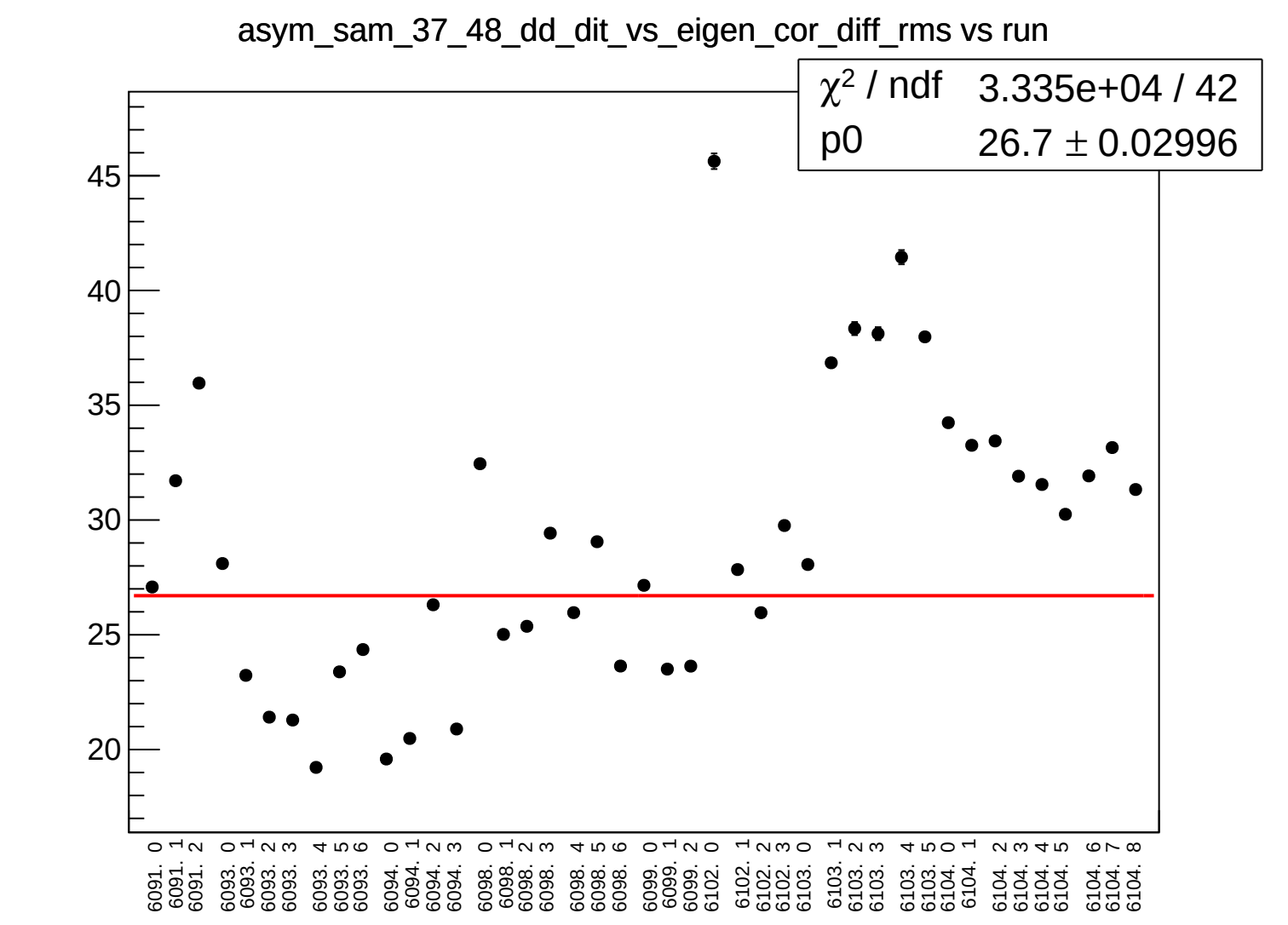
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 25.93
Std Dev 0
2
1
0
−1
−2

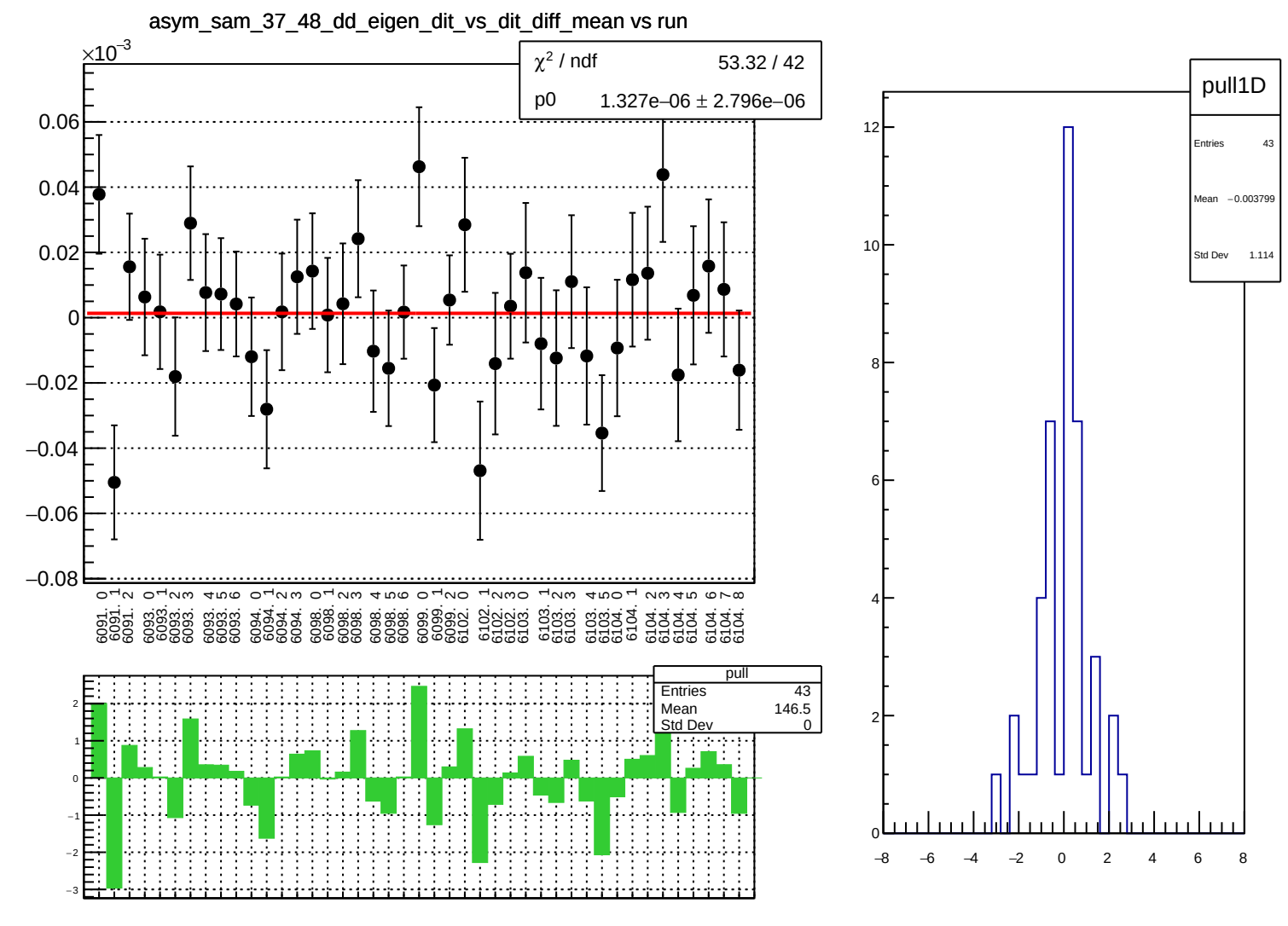

pull1D
Entries 43
Mean 0.04288
Std Dev 0.9472
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

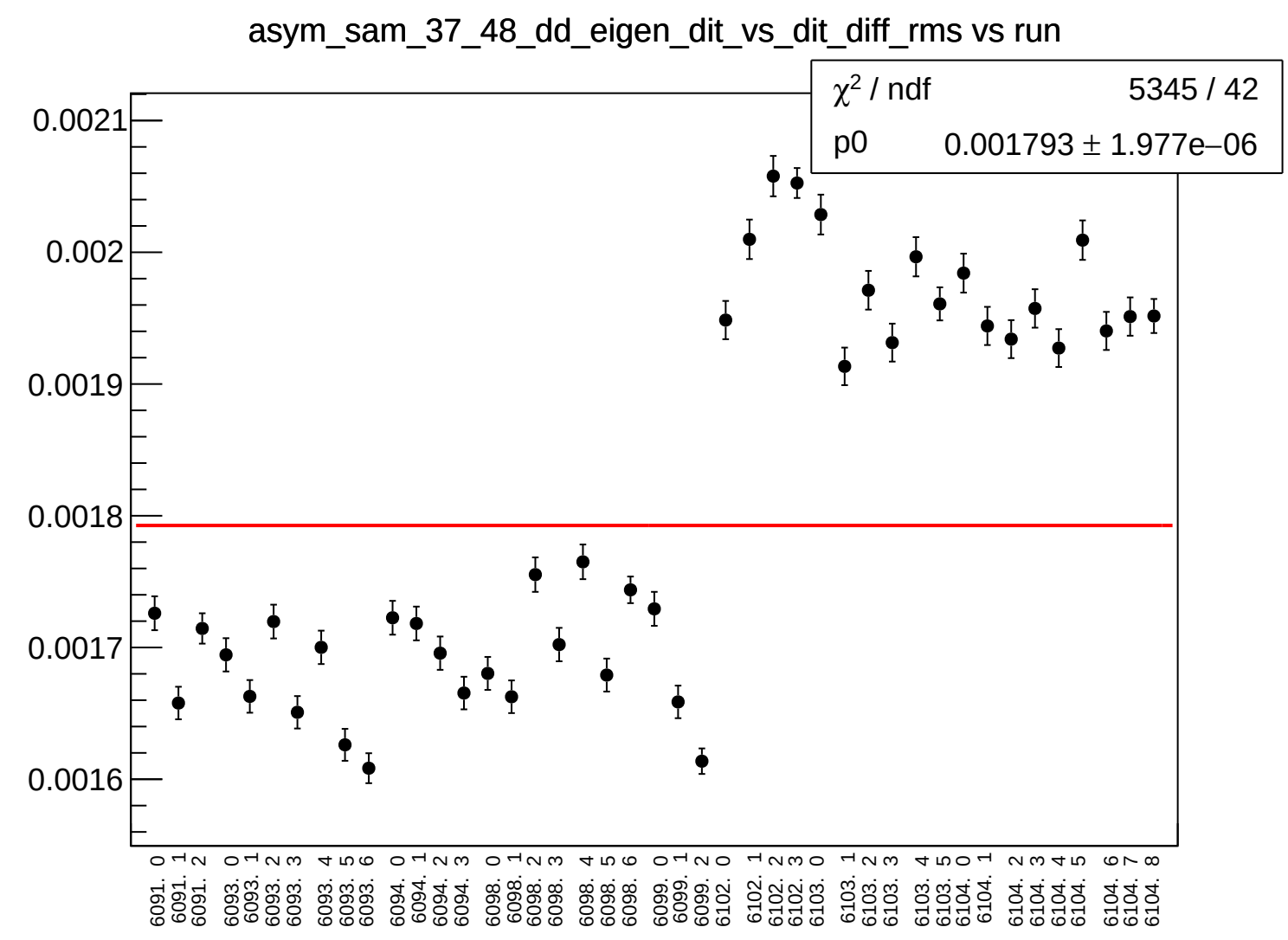

asym_sam_37_48_dd_dit_vs_cor_diff_rms vs run
χ² / ndf 3.335e+04 / 42
p0 26.7 ± 0.02996
45
40
35
30
25
20
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

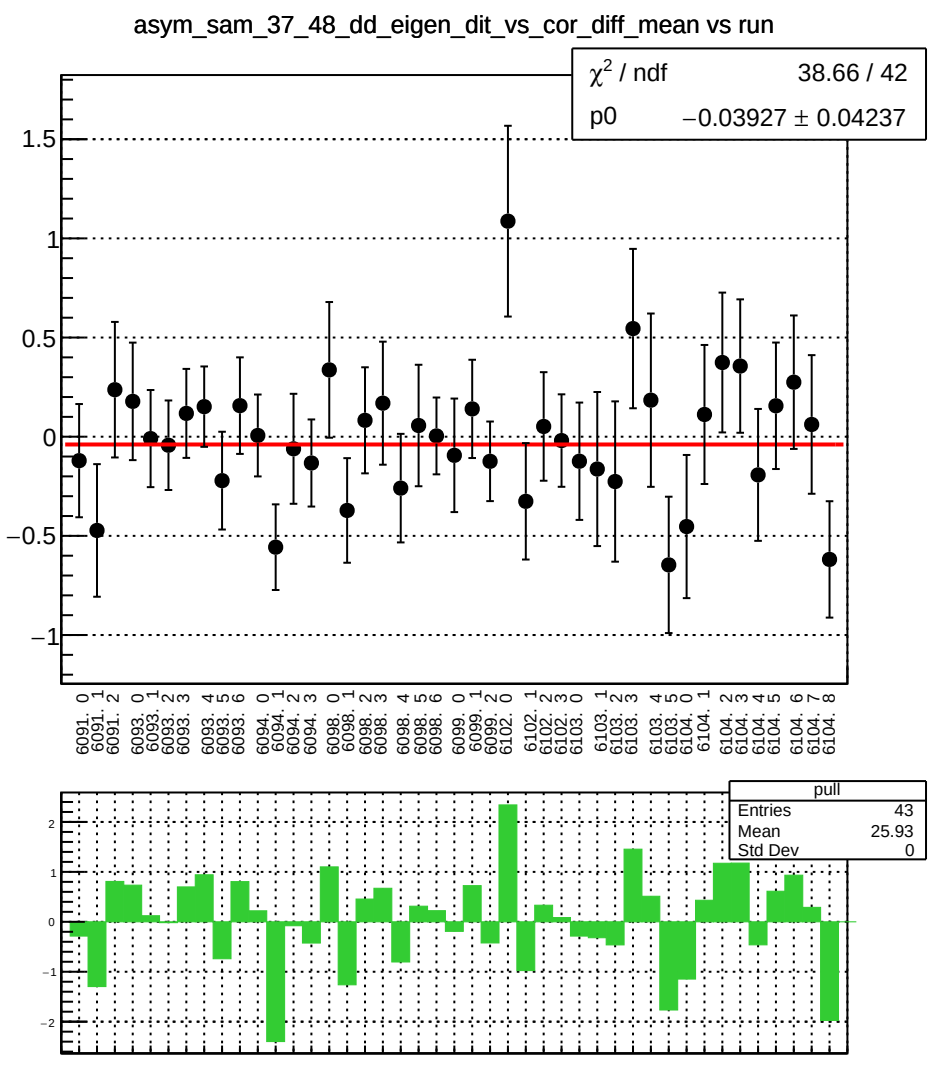

asym_sam_37_48_dd_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 38.66 / 42
p0 −0.03927 ± 0.04237
1.5
1
0.5
0
−0.5
−1
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 25.93
Std Dev 0
2
1
0
−1
−2

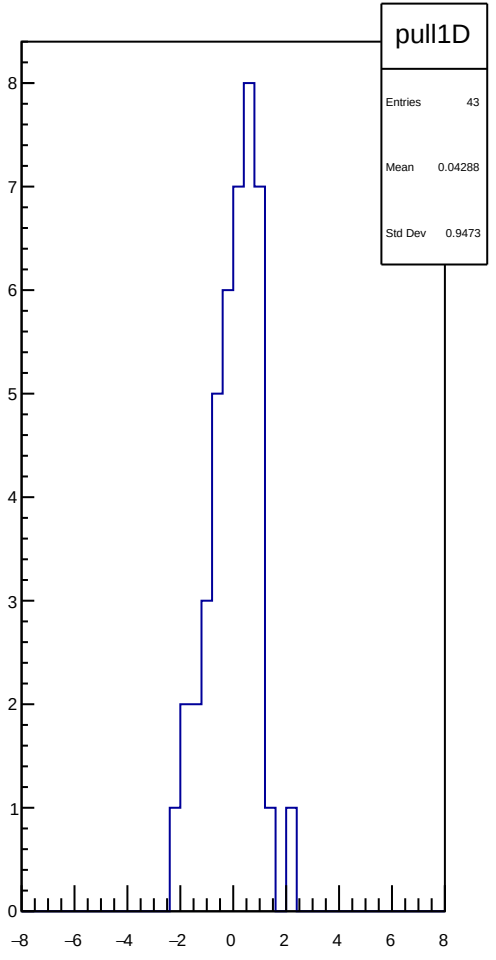

pull1D
Entries 43
Mean 0.04288
Std Dev 0.9472
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

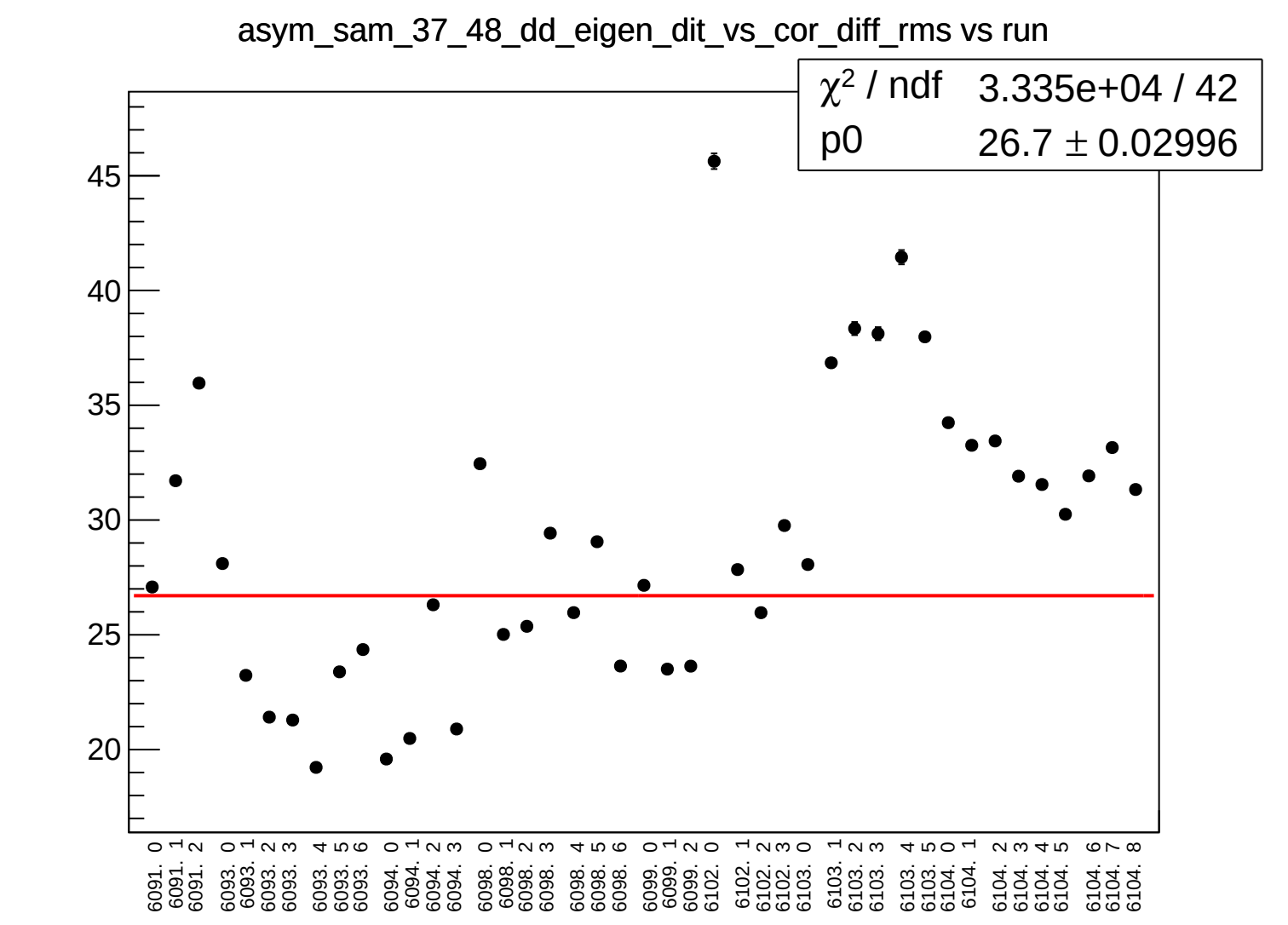

asym_sam_37_48_dd_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 3.335e+04 / 42
p0 26.7 ± 0.02996
45
40
35
30
25
20
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

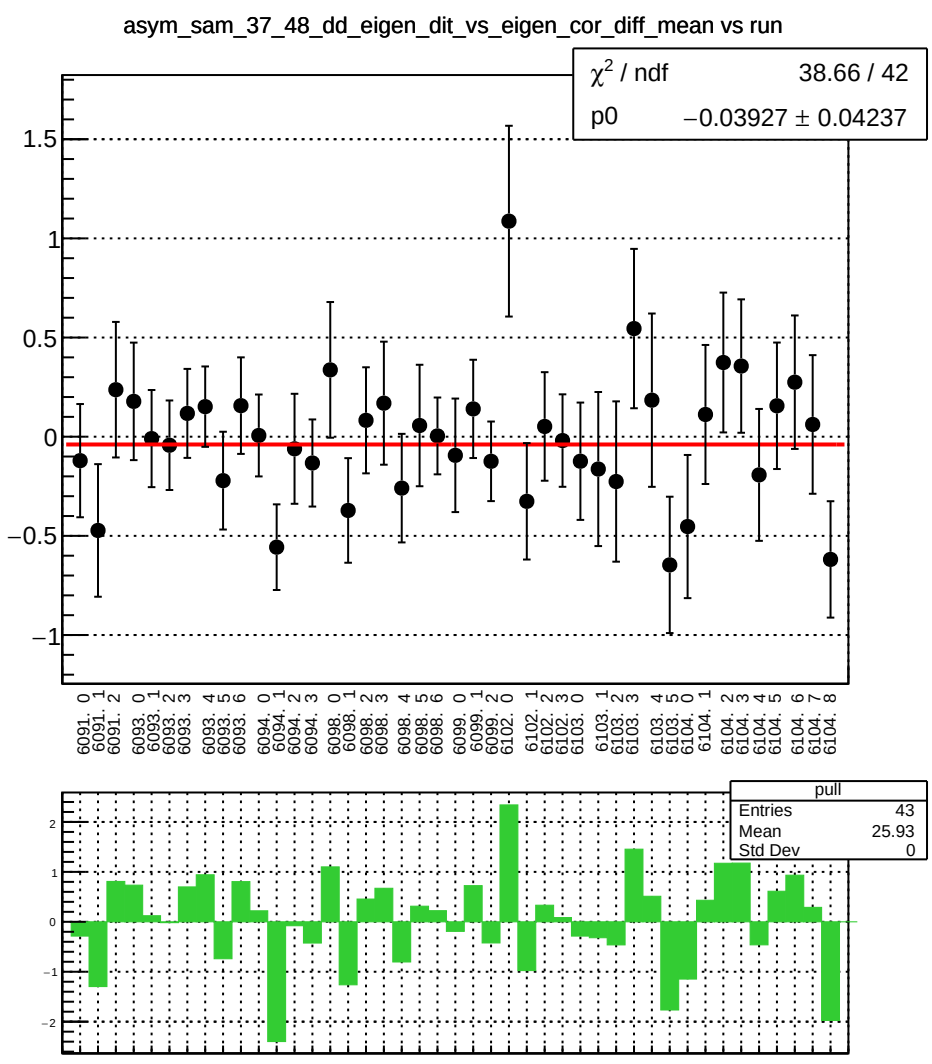

asym_sam_37_48_dd_eigen_dit_vs_dit_diff_mean vs run
×10^−3
χ² / ndf 53.32 / 42
p0 1.327e−06 ± 2.796e−06
0.06
0.04
0.02
0
−0.02
−0.04
−0.06
−0.08
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 146.5
Std Dev 0
2
1
0
−1
−2
−3
pull1D
Entries 43
Mean −0.003799
Std Dev 1.114
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

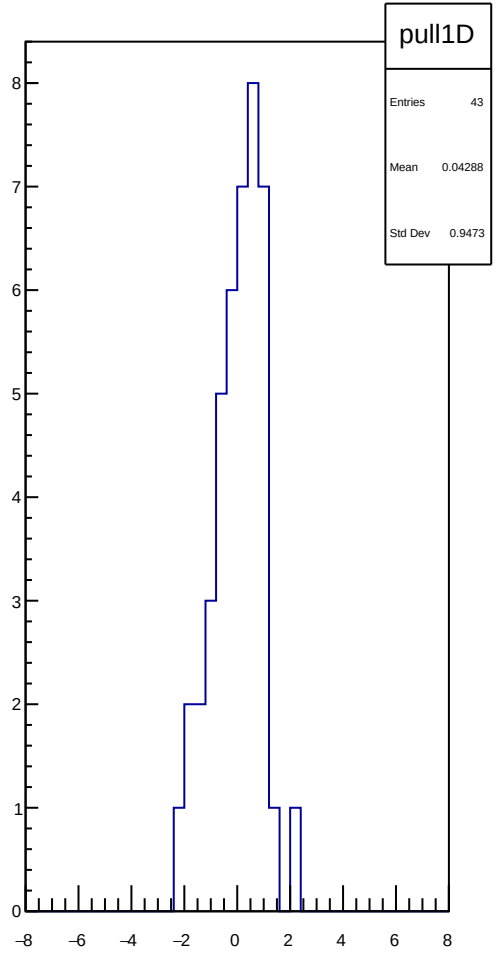

asym_sam_37_48_dd_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 5345 / 42
p0 0.001793 ± 1.977e−06
0.0021
0.002
0.0019
0.0018
0.0017
0.0016
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

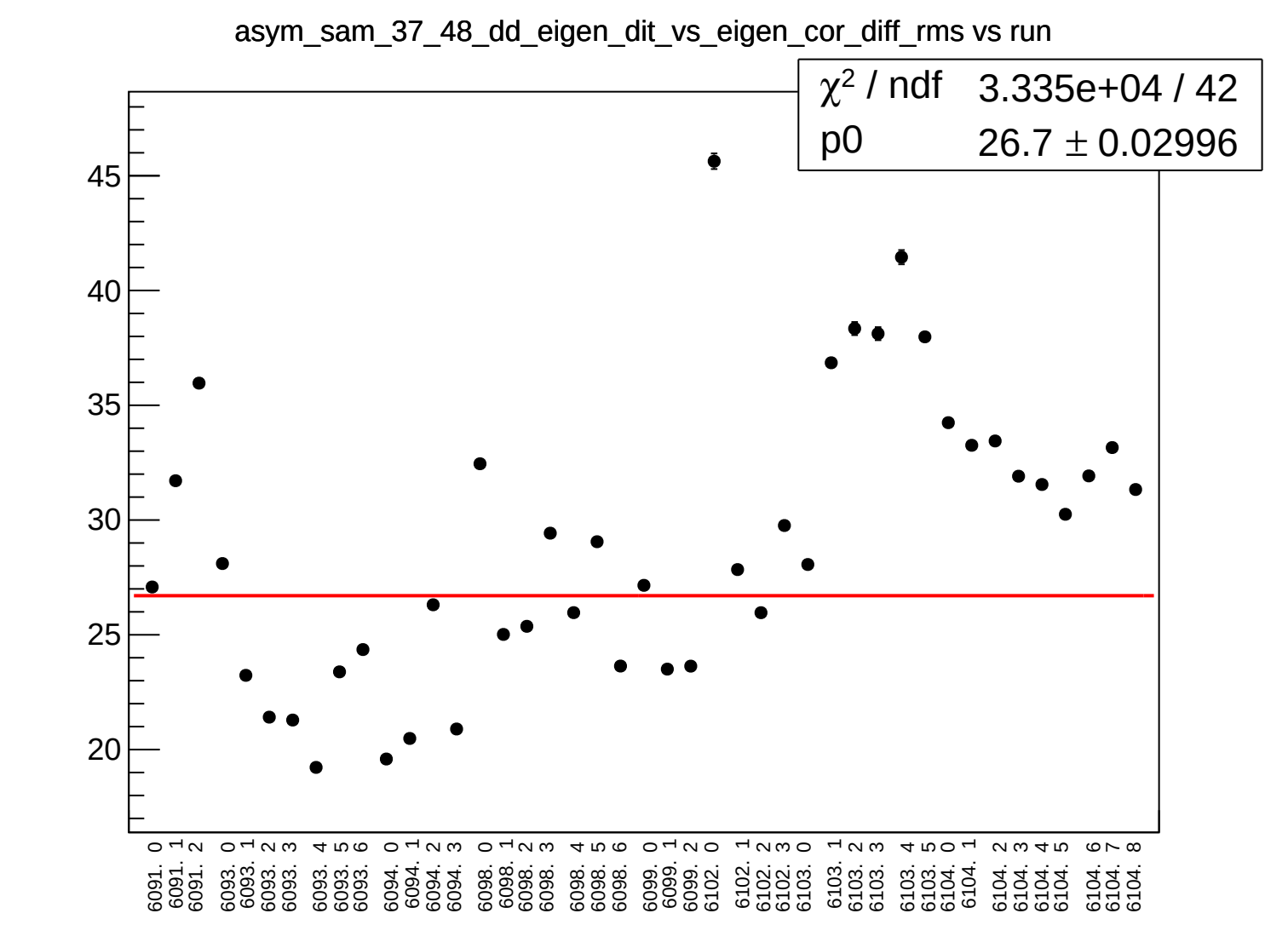

asym_sam_37_48_dd_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 38.66 / 42
p0 −0.03927 ± 0.04237
1.5
1
0.5
0
−0.5
−1
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 25.93
Std Dev 0
2
1
0
−1
−2

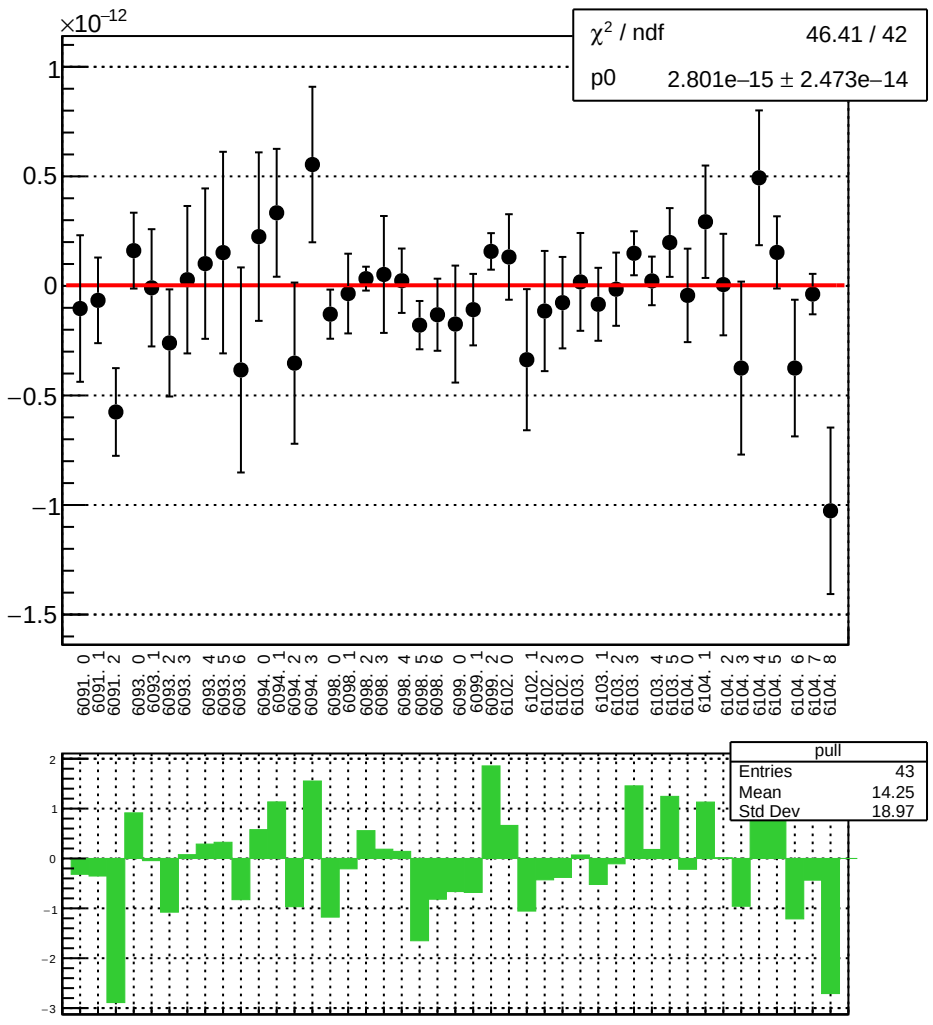

pull1D
Entries 43
Mean 0.04288
Std Dev 0.9473
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

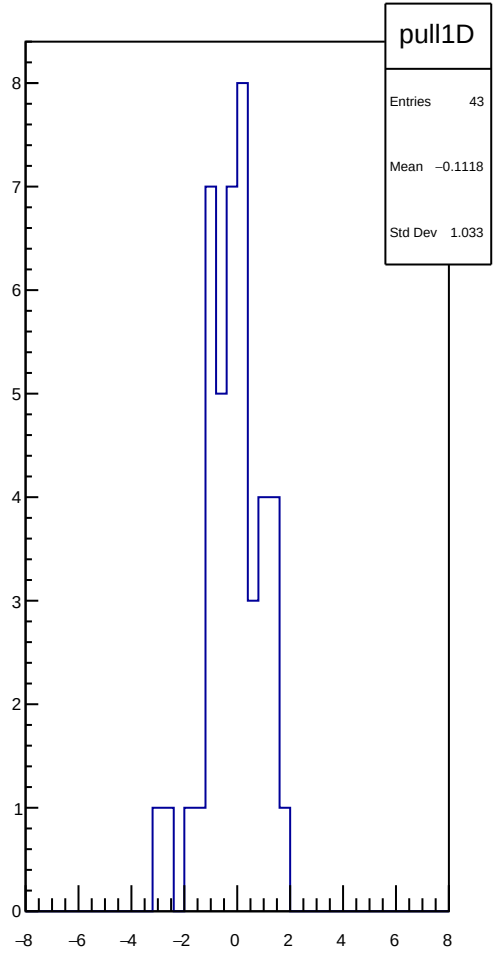

asym_sam_37_48_dd_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 3.335e+04 / 42
p0 26.7 ± 0.02996
45
40
35
30
25
20
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

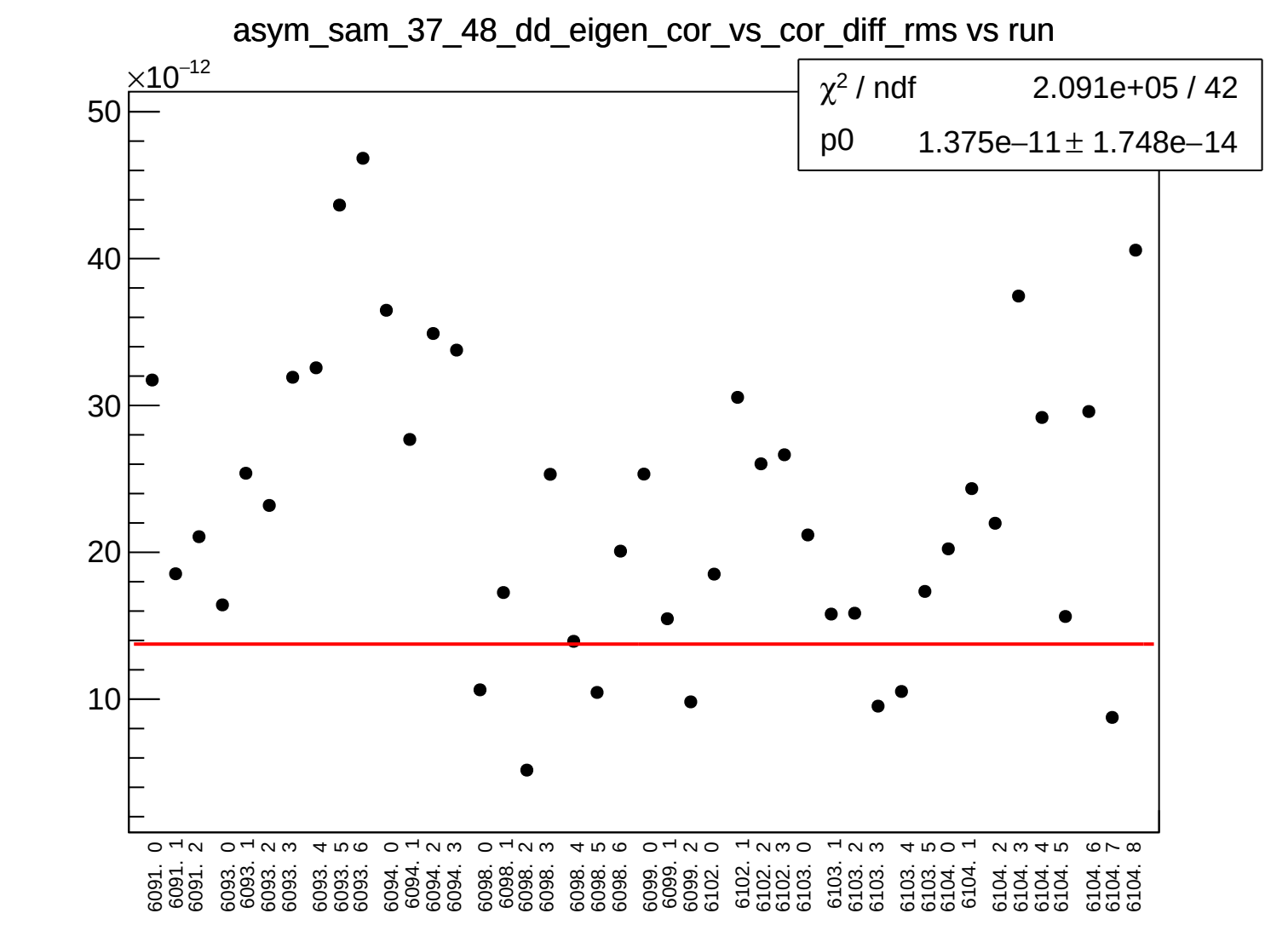

asym_sam_37_48_dd_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 38.66 / 42
p0 −0.03927 ± 0.04237
pull
Entries 43
Mean 25.93
Std Dev 0

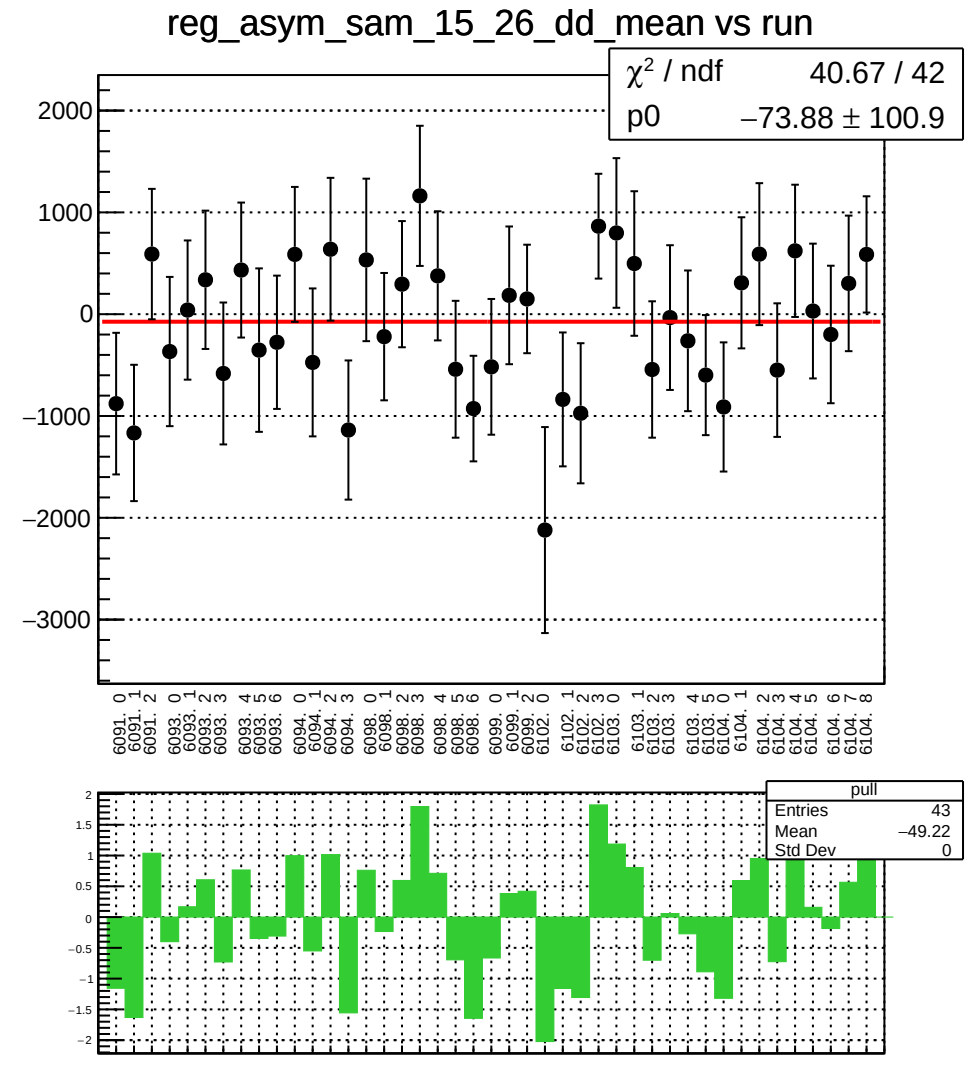

pull1D
Entries 43
Mean 0.04288
Std Dev 0.9473

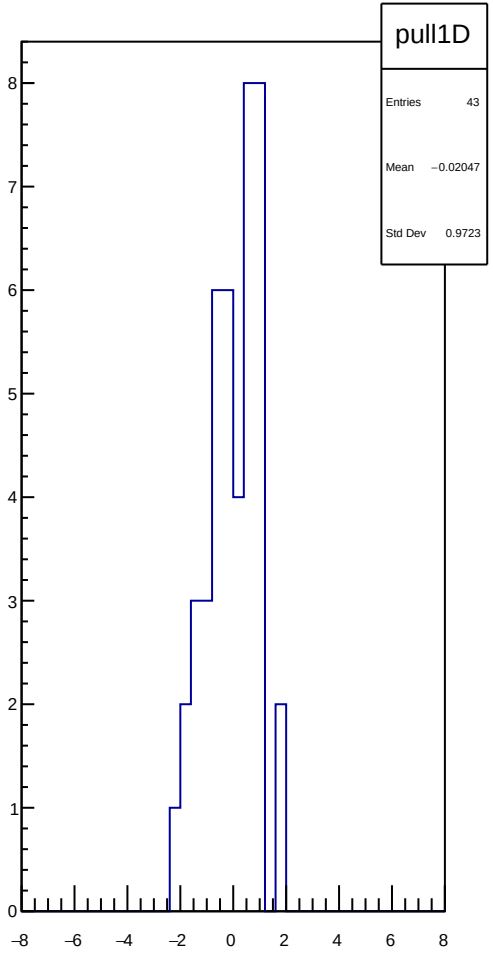

asym_sam_37_48_dd_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 3.335e+04 / 42
p0 26.7 ± 0.02996
45
40
35
30
25
20
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

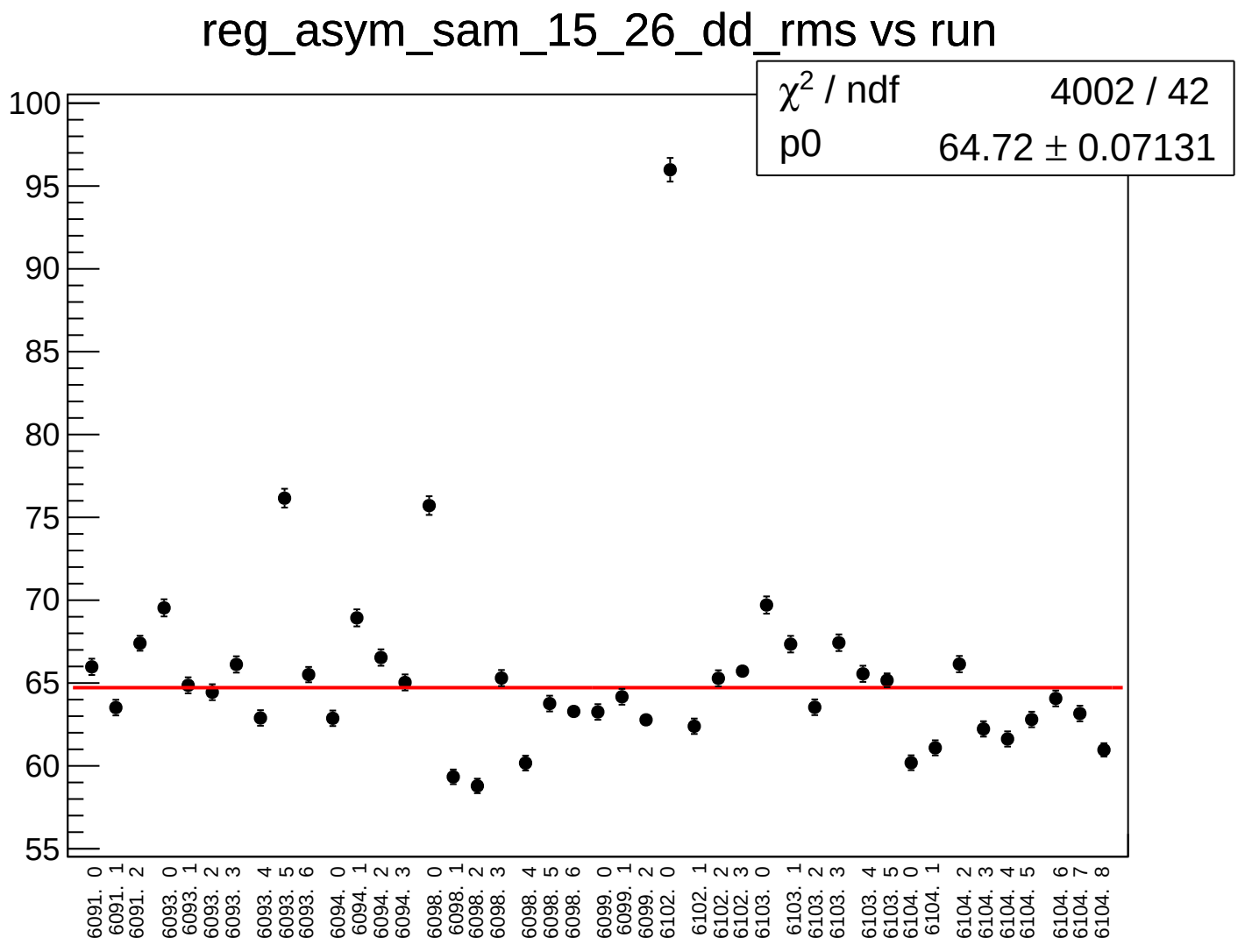

asym_sam_37_48_dd_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 46.41 / 42
p0 2.801e−15 ± 2.473e−14
pull
Entries 43
Mean 14.25
Std Dev 18.97

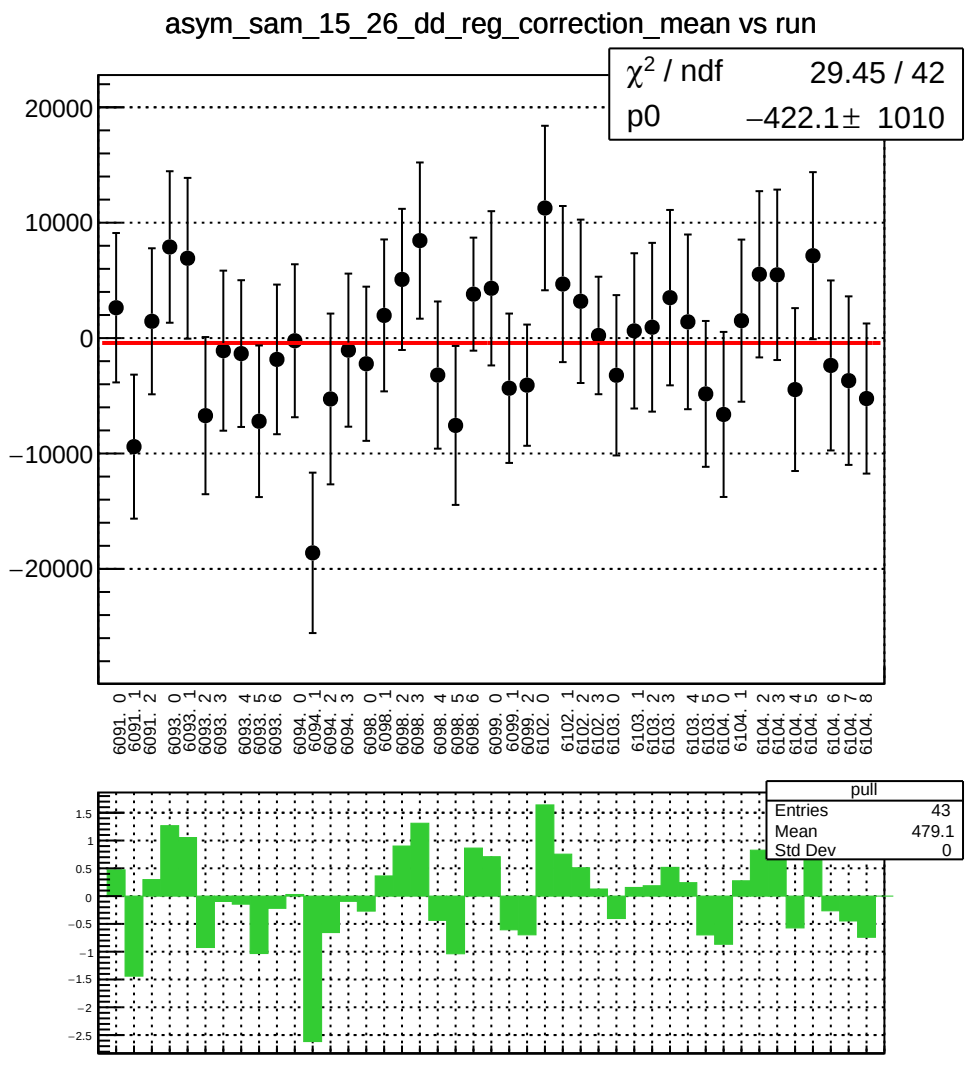

pull1D
Entries 43
Mean −0.1118
Std Dev 1.033

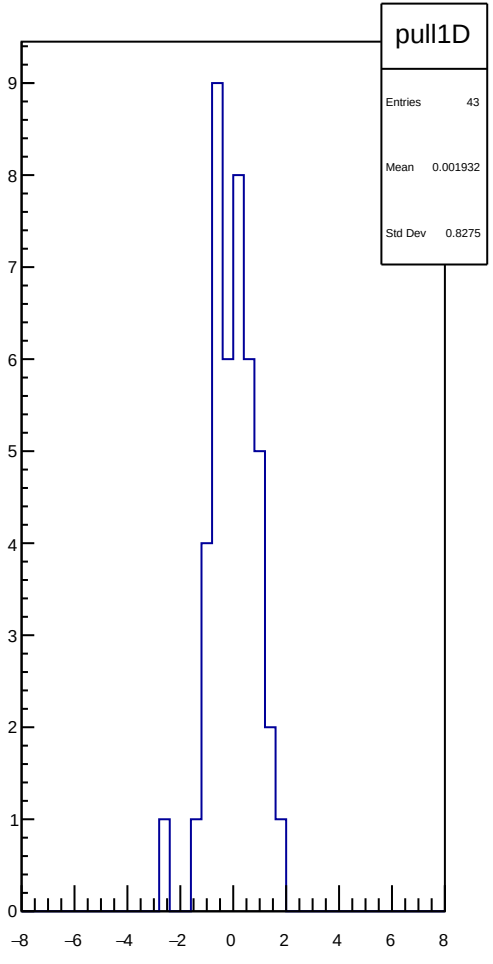

asym_sam_37_48_dd_eigen_cor_vs_cor_diff_rms vs run
×10⁻¹²
χ² / ndf 2.091e+05 / 42
p0 1.375e−11 ± 1.748e−14
50
40
30
20
10
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

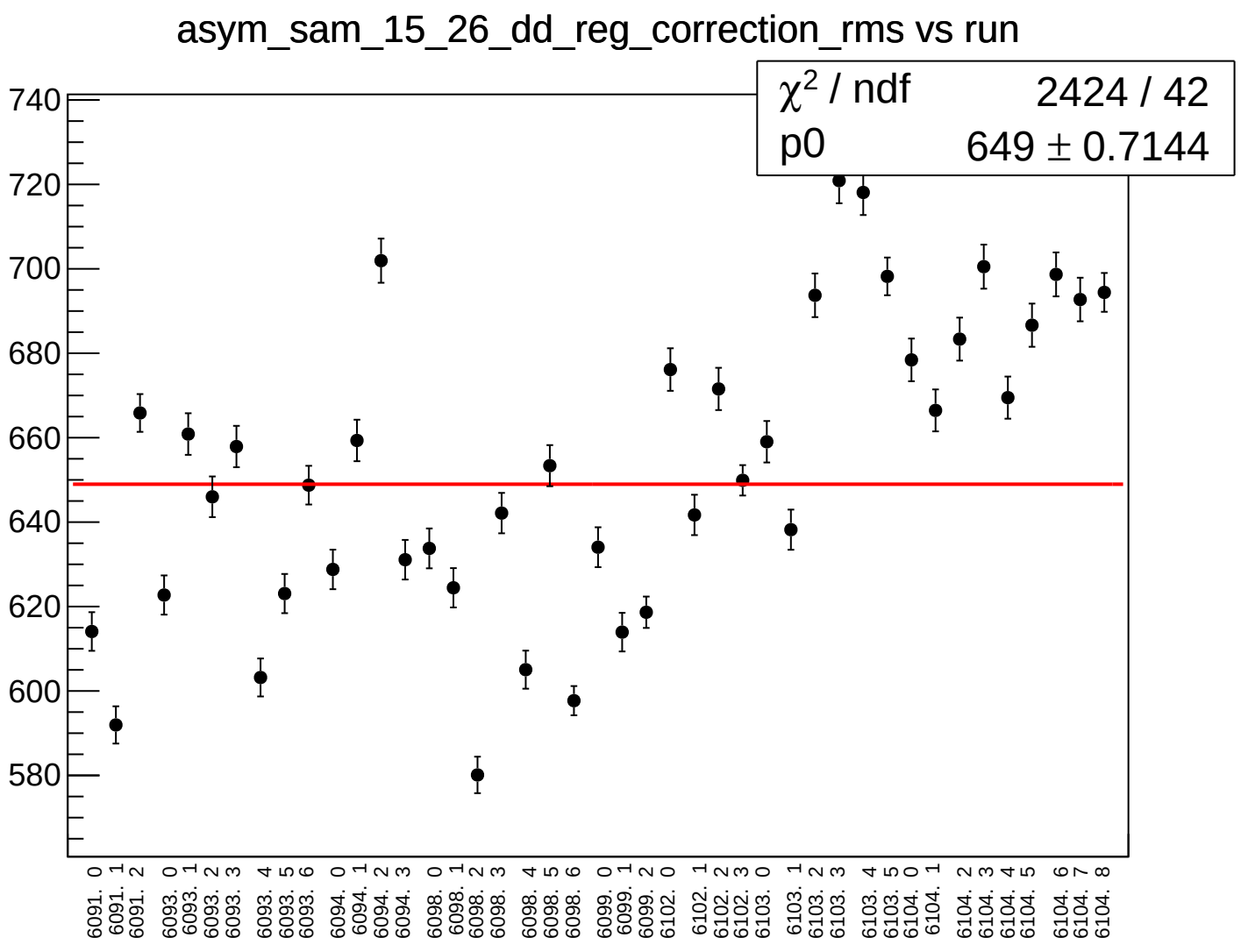

reg_asym_sam_15_26_dd_mean vs run
χ² / ndf 40.67 / 42
p0 −73.88 ± 100.9
2000
1000
0
−1000
−2000
−3000
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean −49.22
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2


pull1D
Entries 43
Mean −0.02047
Std Dev 0.9723
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


reg_asym_sam_15_26_dd_rms vs run
χ² / ndf 4002 / 42
p0 64.72 ± 0.07131
100
95
90
85
80
75
70
65
60
55
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8


asym_sam_15_26_dd_reg_correction_mean vs run
χ² / ndf 29.45 / 42
p0 −422.1± 1010
20000
10000
0
−10000
−20000
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 479.1
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5


pull1D
Entries 43
Mean 0.001932
Std Dev 0.8275
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


asym_sam_15_26_dd_reg_correction_rms vs run
χ² / ndf 2424 / 42
p0 649 ± 0.7144
740
720
700
680
660
640
620
600
580
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
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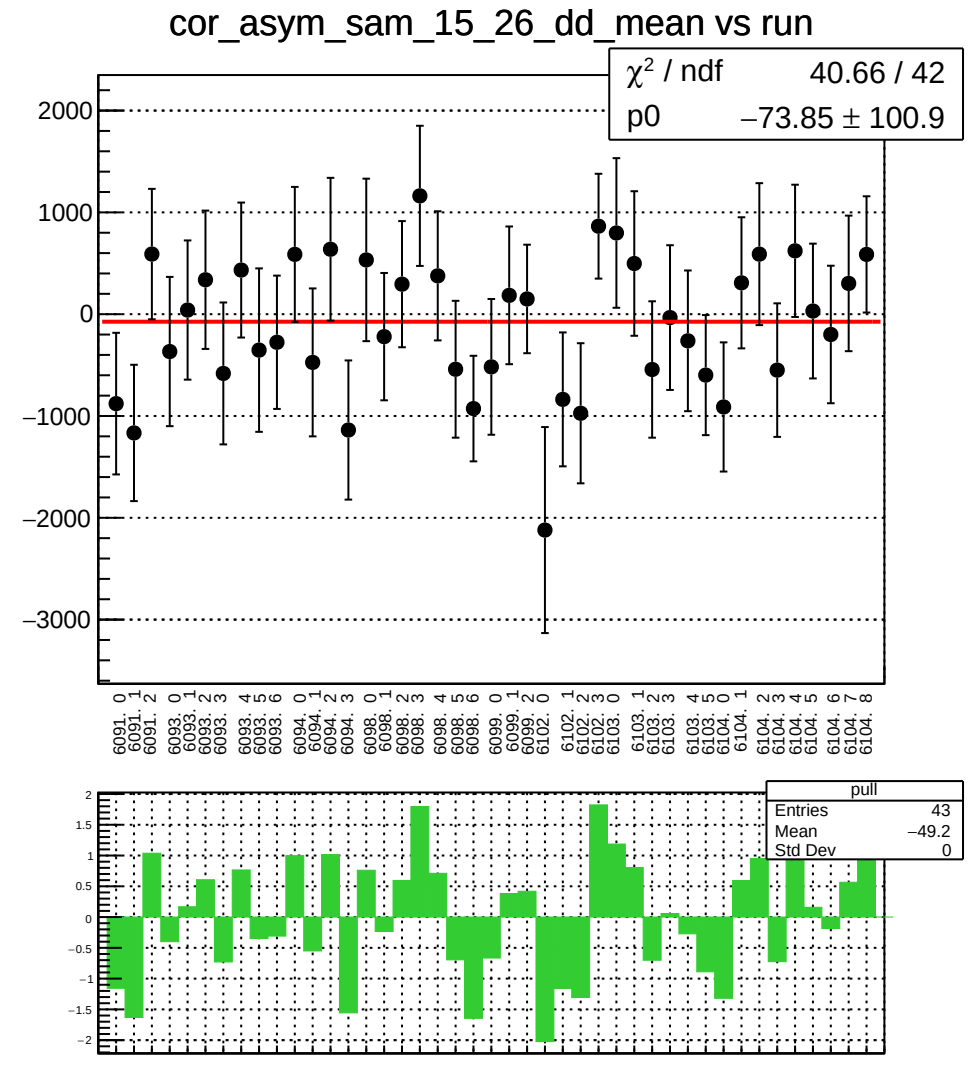
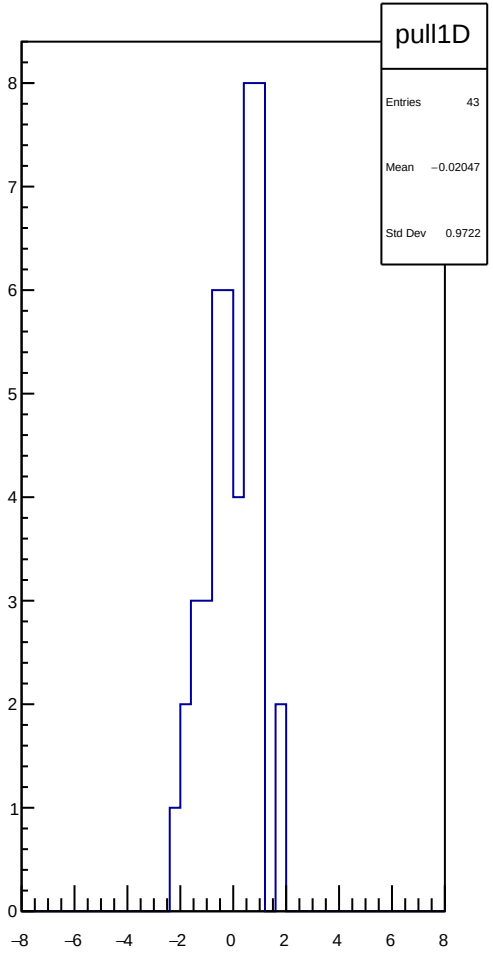
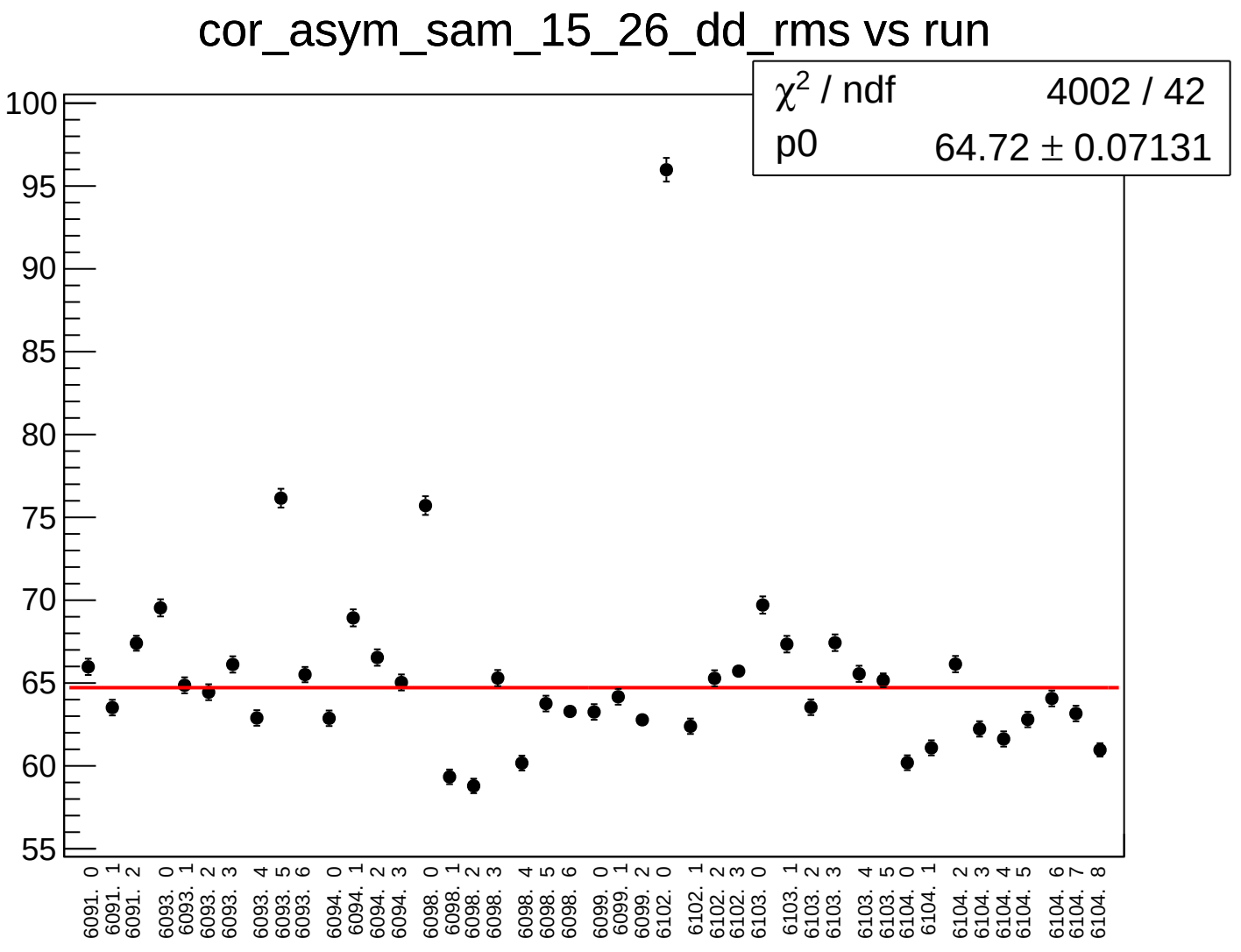
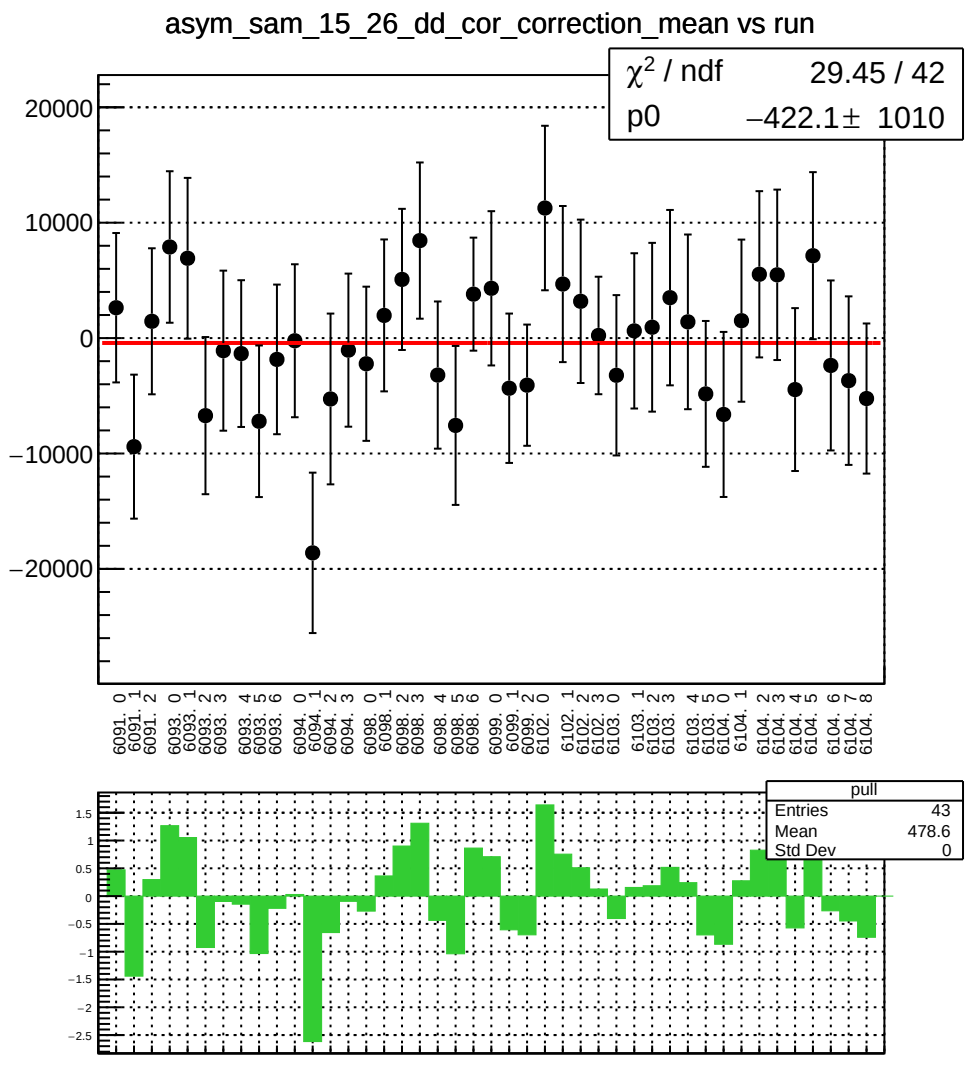
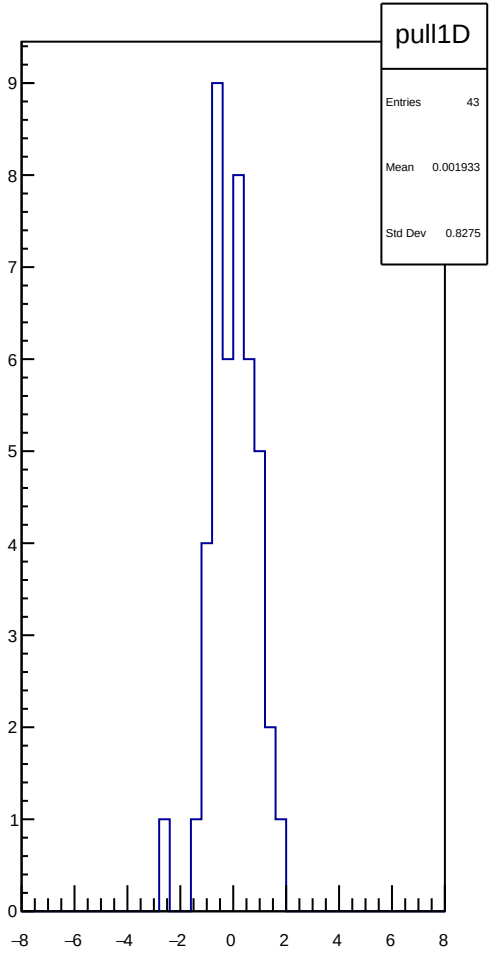
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

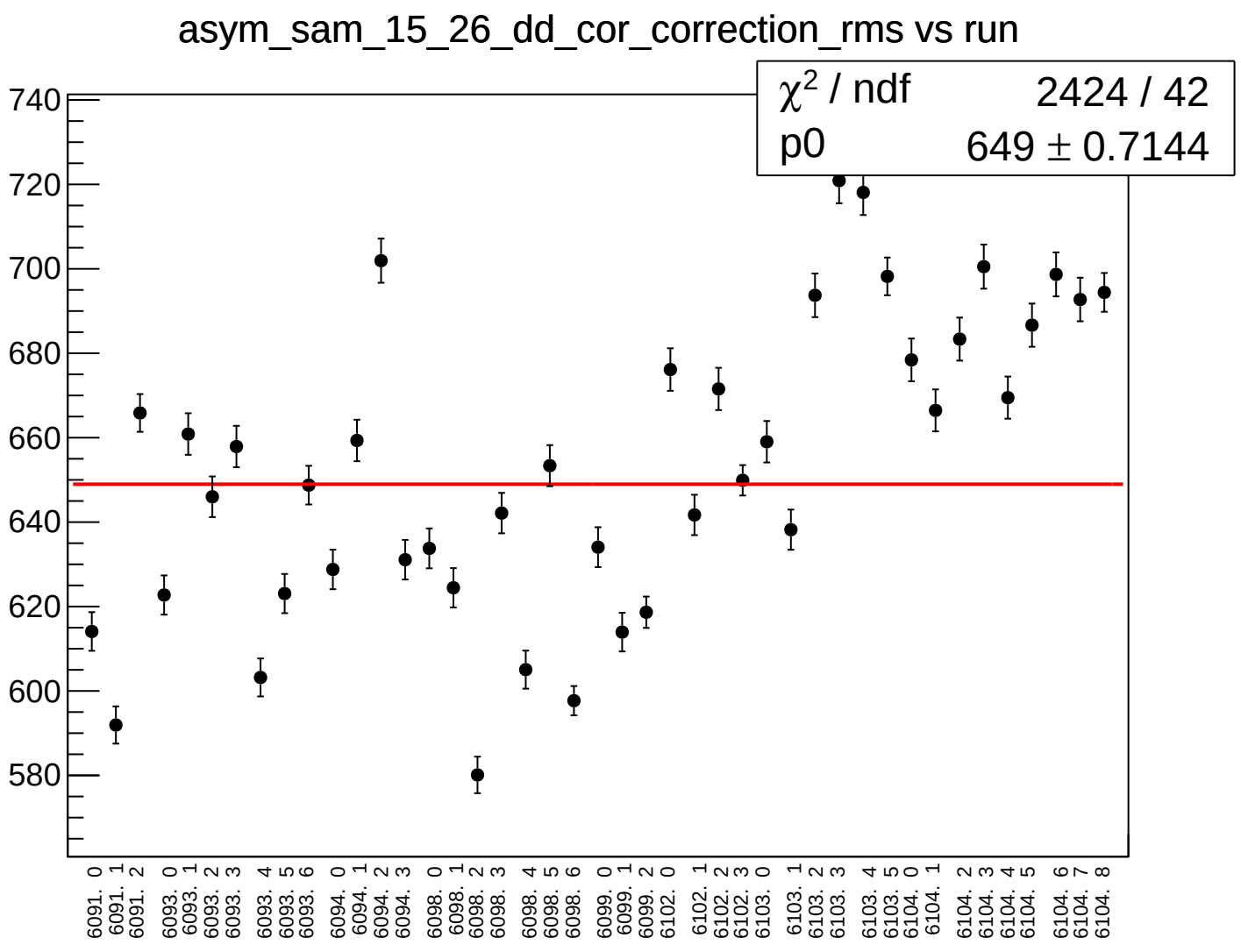

cor_asym_sam_15_26_dd_mean vs run
χ² / ndf 40.66 / 42
p0 −73.85 ± 100.9
2000
1000
0
−1000
−2000
−3000
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean −49.2
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2


pull1D
Entries 43
Mean −0.02047
Std Dev 0.9722
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


cor_asym_sam_15_26_dd_rms vs run
χ² / ndf 4002 / 42
p0 64.72 ± 0.07131
100
95
90
85
80
75
70
65
60
55
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8


asym_sam_15_26_dd_cor_correction_mean vs run
χ² / ndf 29.45 / 42
p0 −422.1± 1010
20000
10000
0
−10000
−20000
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 478.6
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5


pull1D
Entries 43
Mean 0.001933
Std Dev 0.8275
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


asym_sam_15_26_dd_cor_correction_rms vs run
χ² / ndf 2424 / 42
p0 649 ± 0.7144
740
720
700
680
660
640
620
600
580
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
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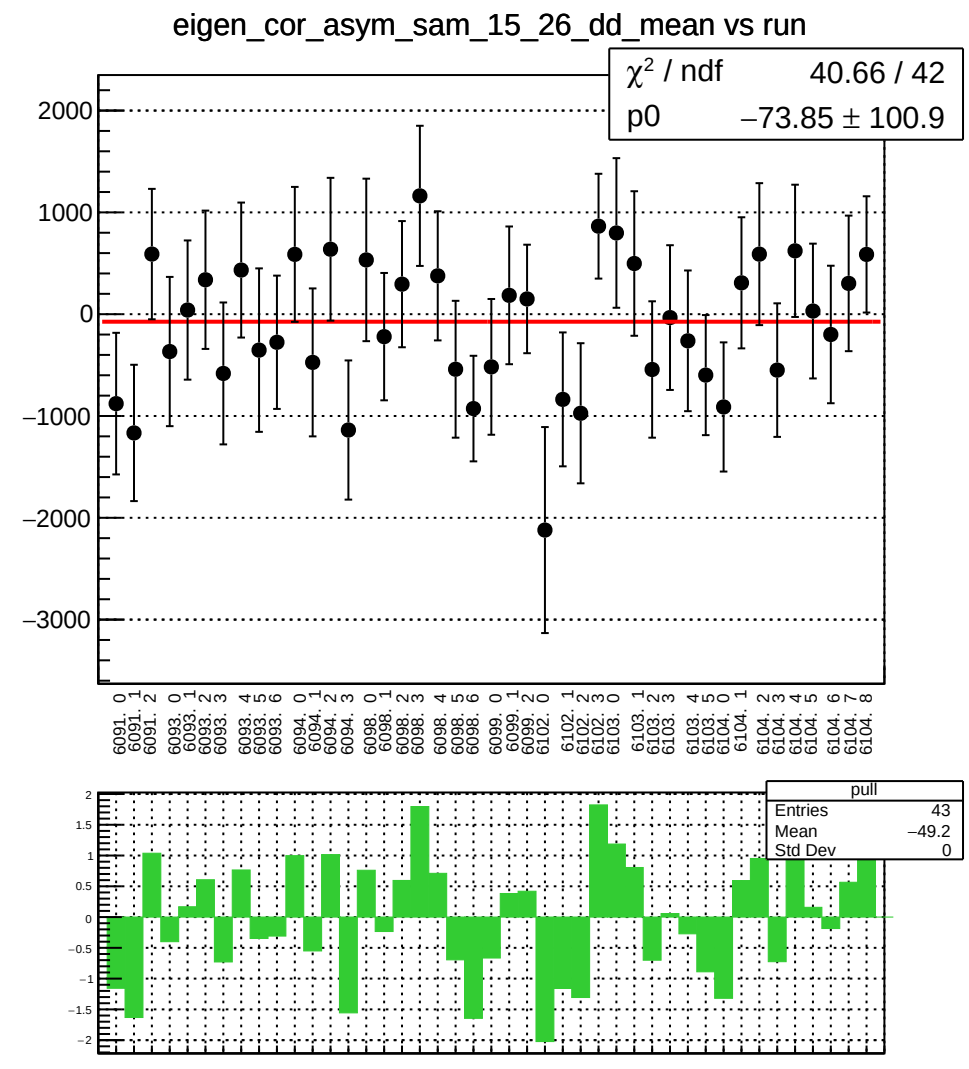
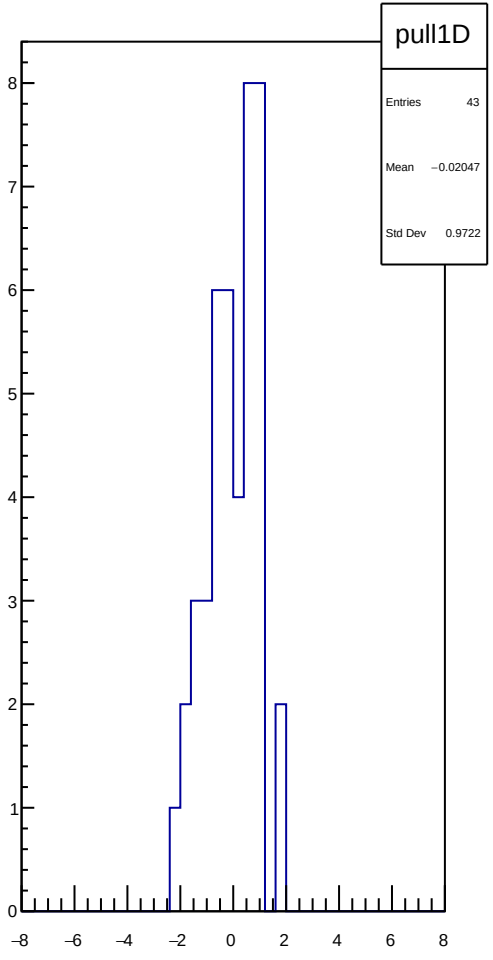
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8


eigen_cor_asym_sam_15_26_dd_mean vs run
χ² / ndf 40.66 / 42
p0 −73.85 ± 100.9
2000
1000
0
−1000
−2000
−3000
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean −49.2
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2


pull1D
Entries 43
Mean −0.02047
Std Dev 0.9722
8
7
6
5
4
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2
1
0
−8
−6
−4
−2
0
2
4
6
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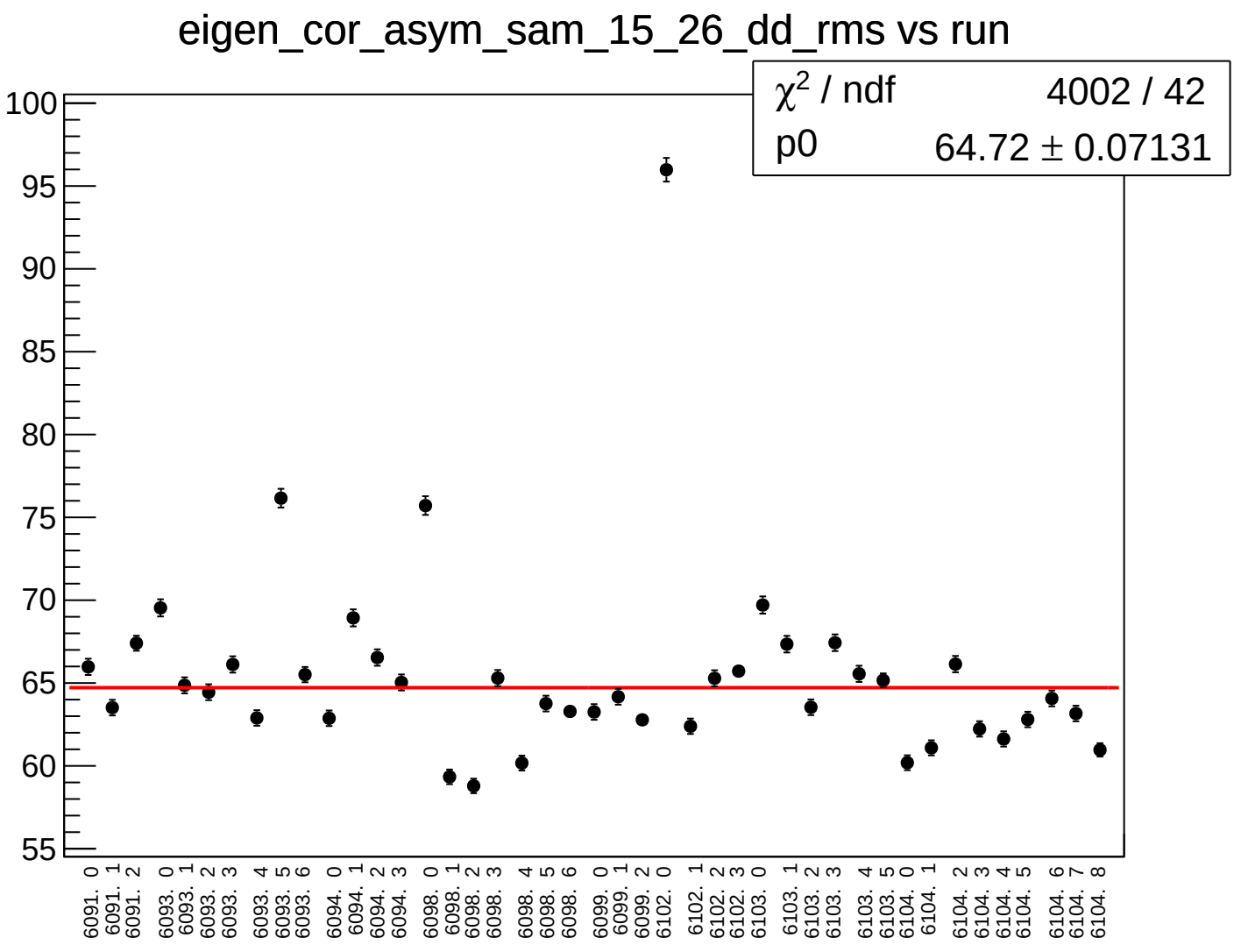
eigen_cor_asym_sam_15_26_dd_rms vs run
χ² / ndf 4002 / 42
p0 64.72 ± 0.07131
100
95
90
85
80
75
70
65
60
55
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
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6104. 1
6104. 2
6104. 3
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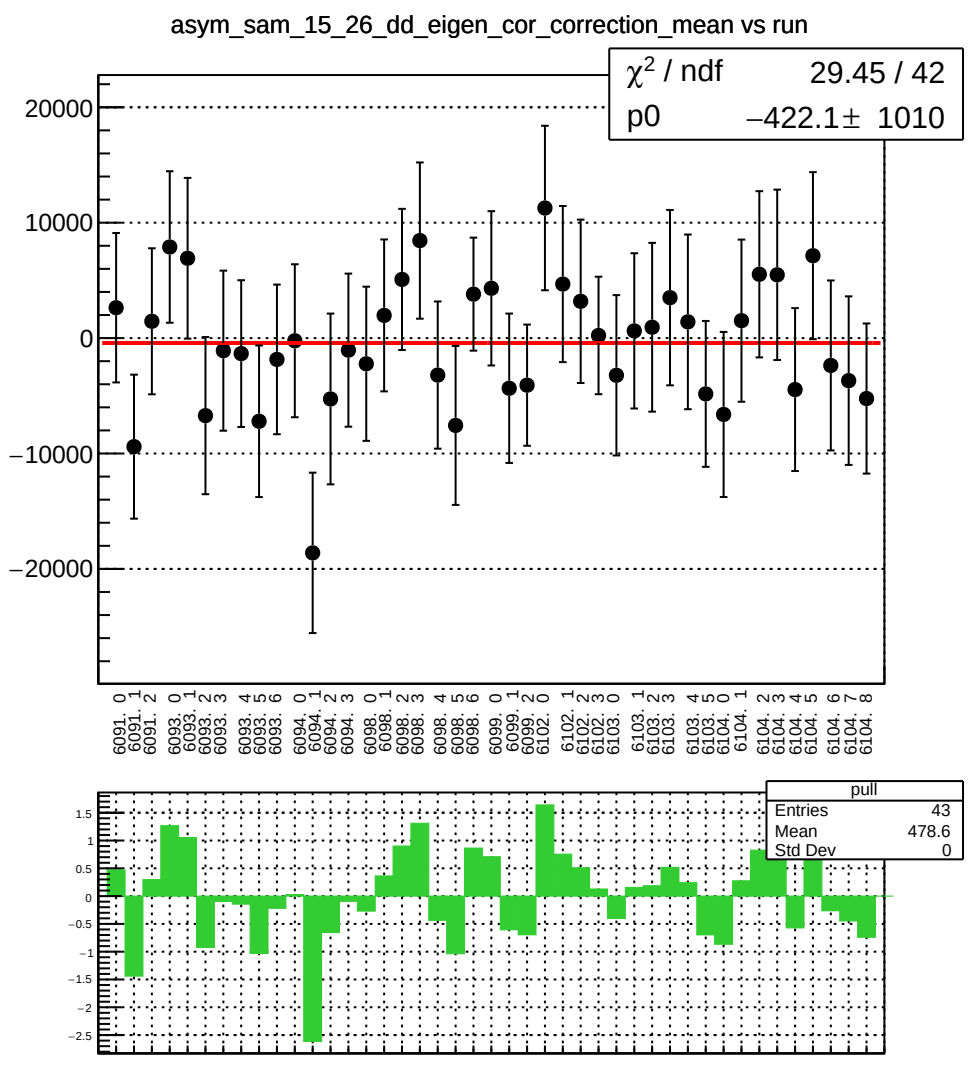
6104. 5
6104. 6
6104. 7
6104. 8


asym_sam_15_26_dd_eigen_cor_correction_mean vs run
χ² / ndf 29.45 / 42
p0 −422.1± 1010
20000
10000
0
−10000
−20000
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
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6098. 6
6099. 0
6099. 1
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6102. 0
6102. 1
6102. 2
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6103. 0
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6103. 3
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6103. 5
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6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 478.6
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5
pull1D
Entries 43
Mean 0.001933
Std Dev 0.8275
9
8
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−8
−6
−4
−2
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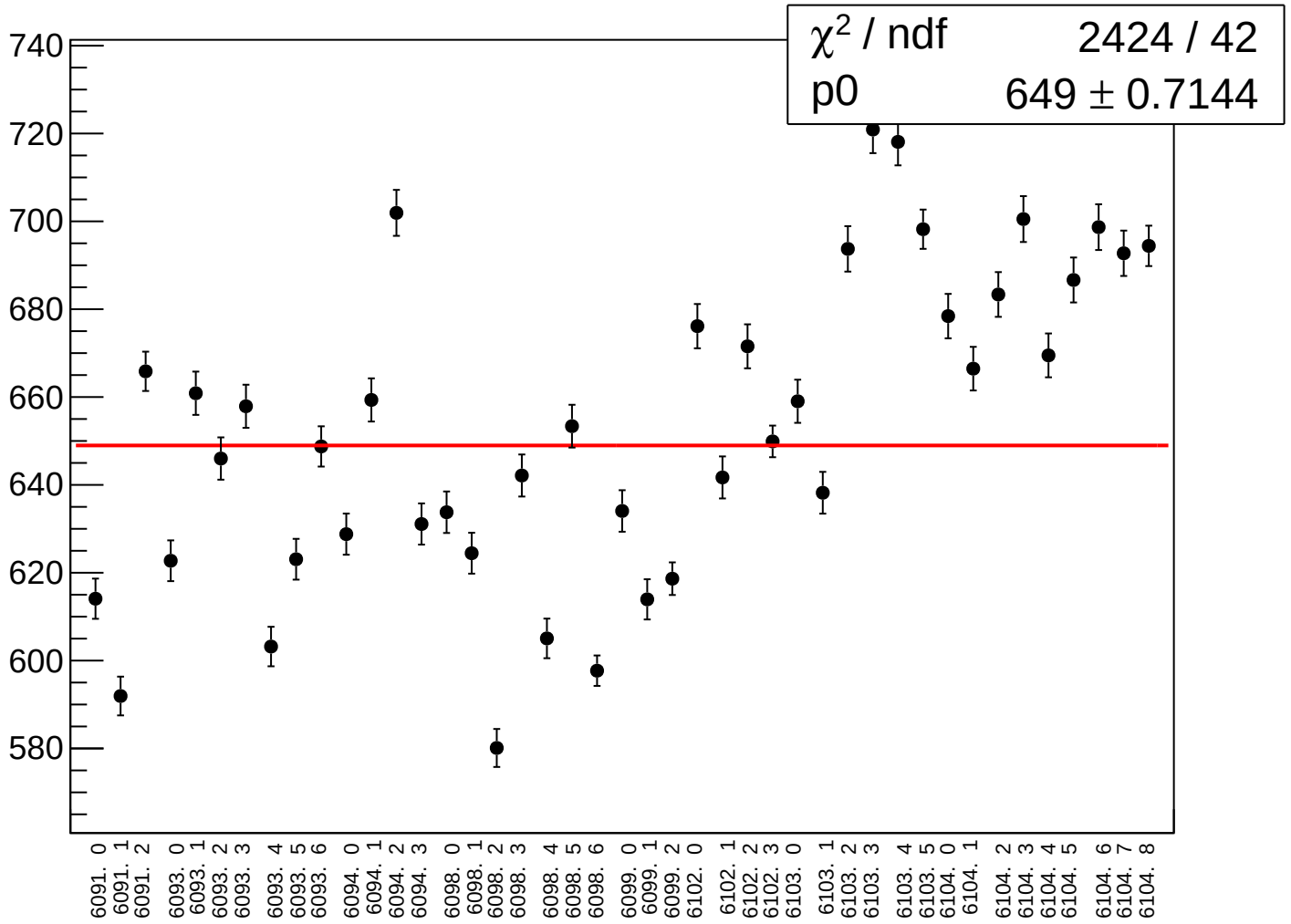
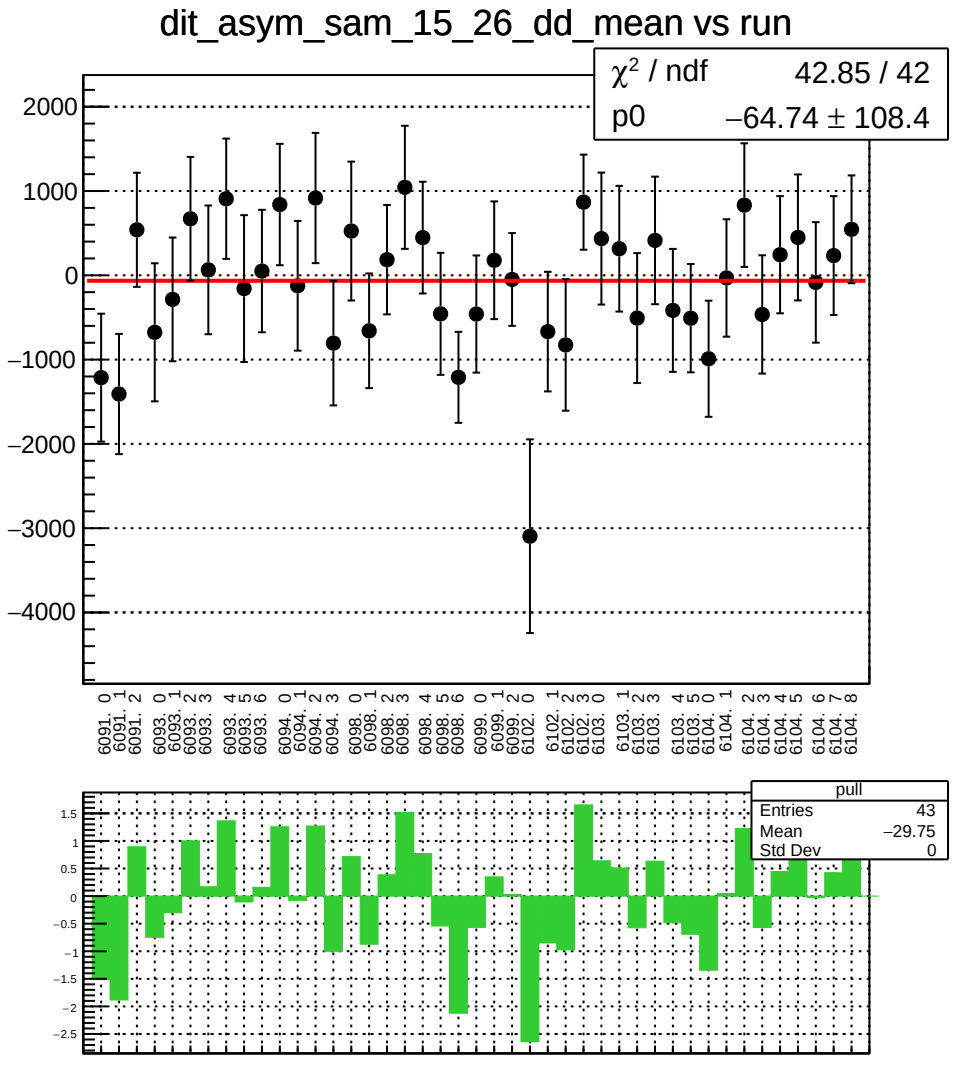
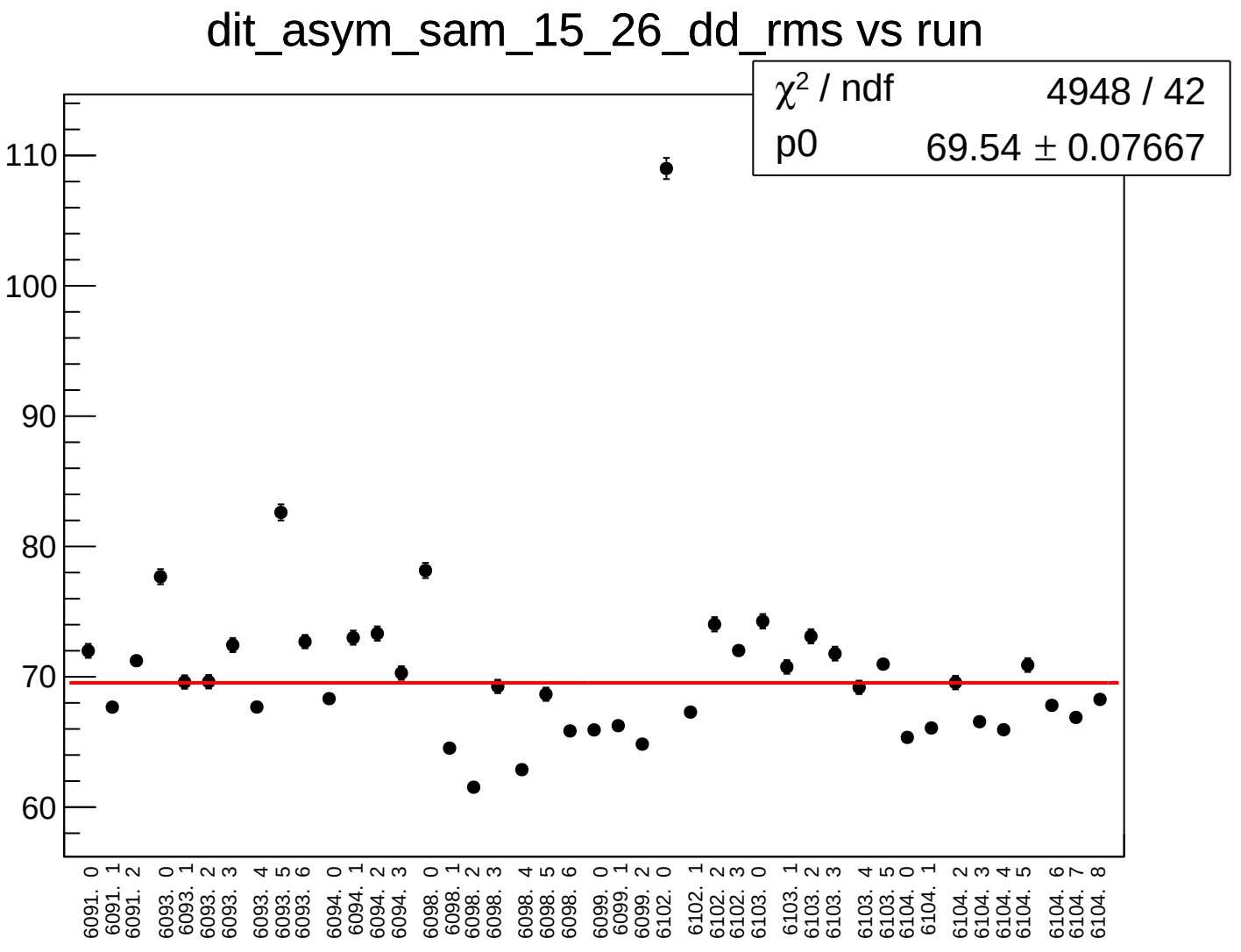
2
4
6
8


asym_sam_15_26_dd_eigen_cor_correction_rms vs run
χ² / ndf 2424 / 42
p0 649 ± 0.7144
740
720
700
680
660
640
620
600
580
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8


dit_asym_sam_15_26_dd_mean vs run
χ² / ndf 42.85 / 42
p0 −64.74 ± 108.4
2000
1000
0
−1000
−2000
−3000
−4000
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean −29.75
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5
pull1D
Entries 43
Mean −0.01823
Std Dev 0.9981
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


dit_asym_sam_15_26_dd_rms vs run
χ² / ndf 4948 / 42
p0 69.54 ± 0.07667
110
100
90
80
70
60
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
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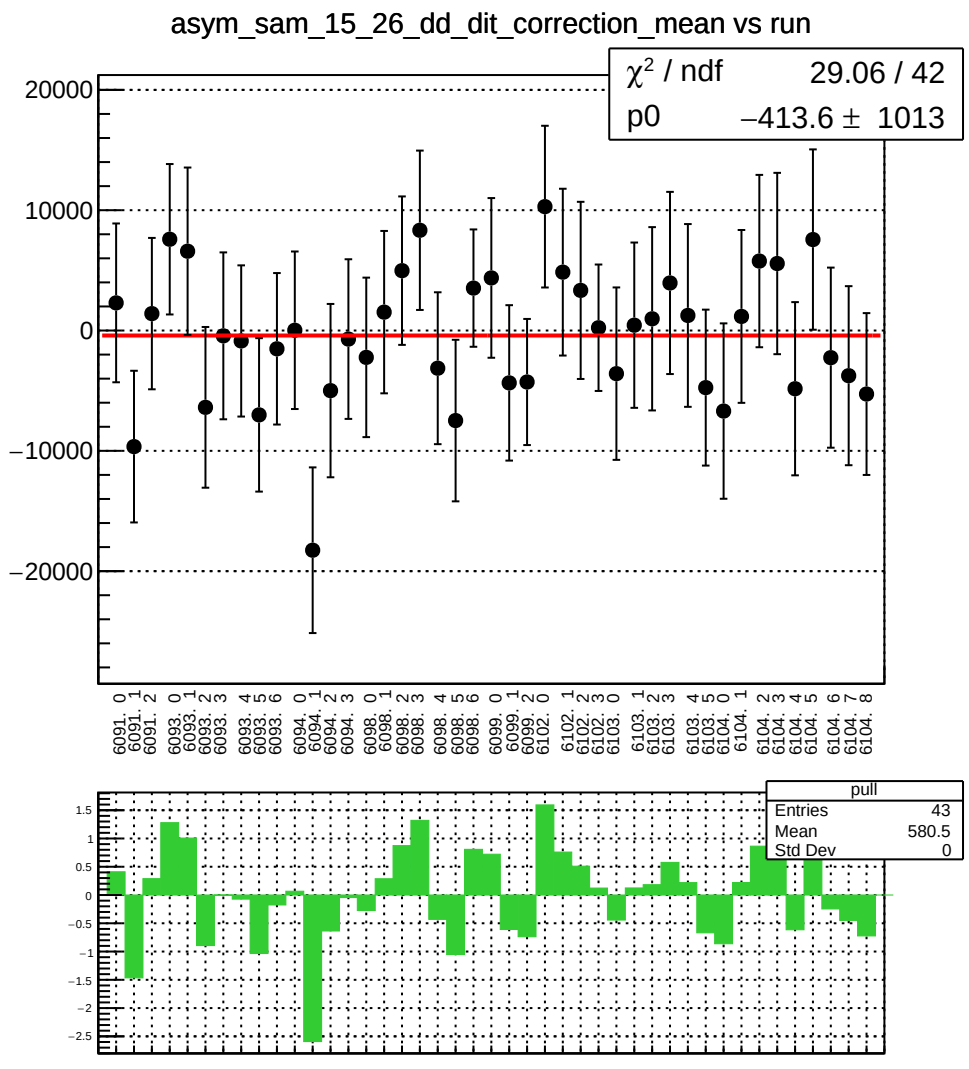
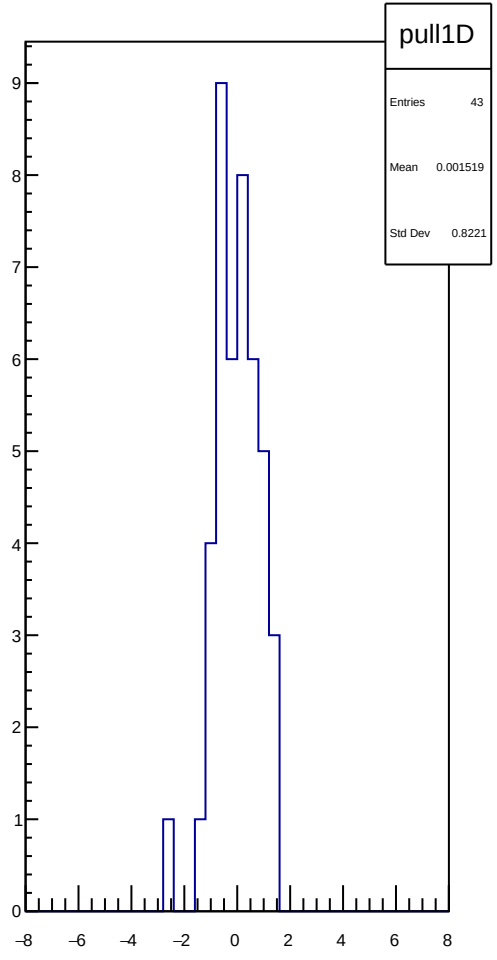
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8


asym_sam_15_26_dd_dit_correction_mean vs run
χ² / ndf 29.06 / 42
p0 −413.6 ± 1013
20000
10000
0
−10000
−20000
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 580.5
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5


pull1D
Entries 43
Mean 0.001519
Std Dev 0.8221
9
8
7
6
5
4
3
2
1
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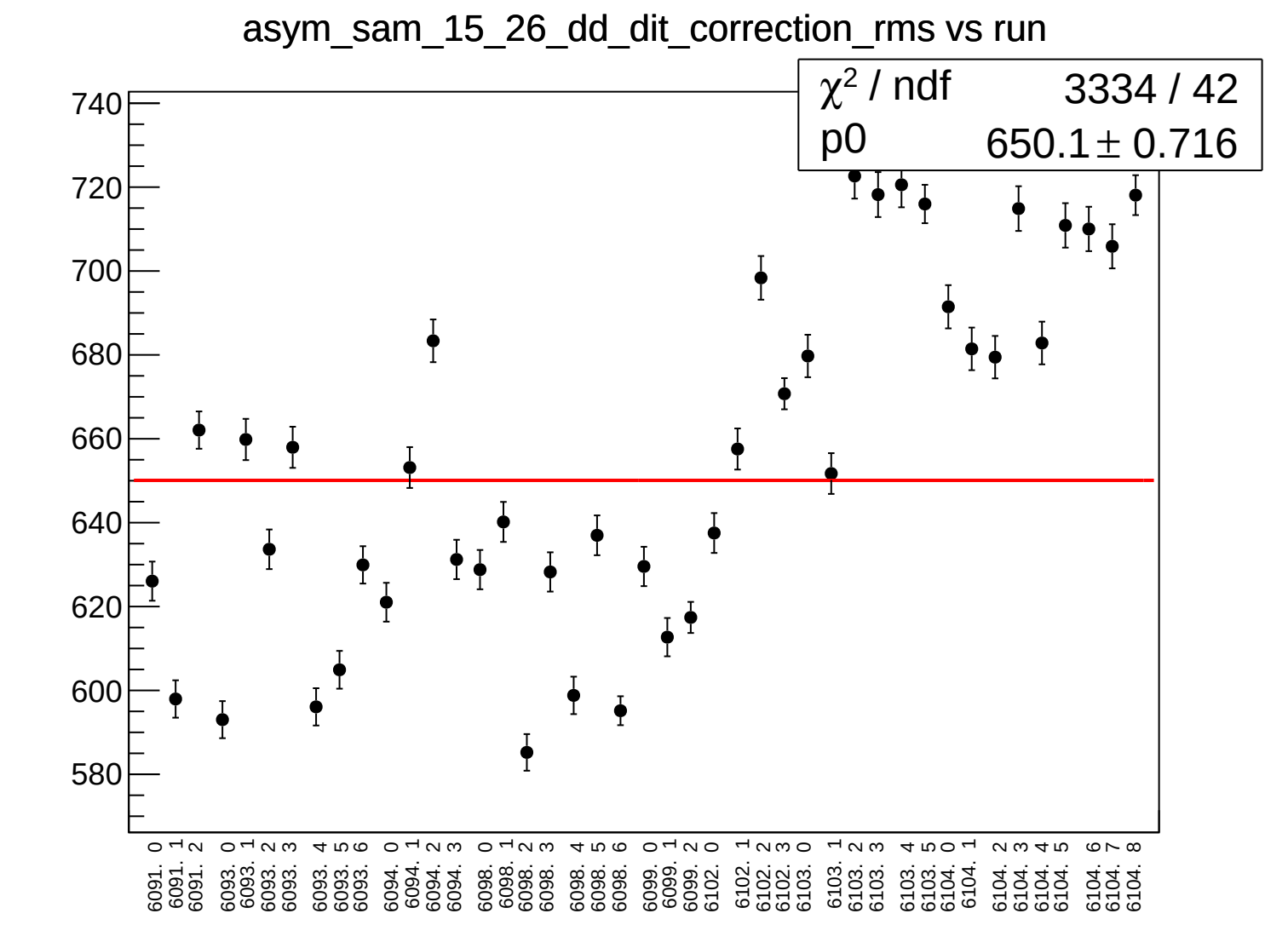
−6
−4
−2
0
2
4
6
8


asym_sam_15_26_dd_dit_correction_rms vs run
χ² / ndf 3334 / 42
p0 650.1 ± 0.716
740
720
700
680
660
640
620
600
580
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
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6098. 1
6098. 2
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6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
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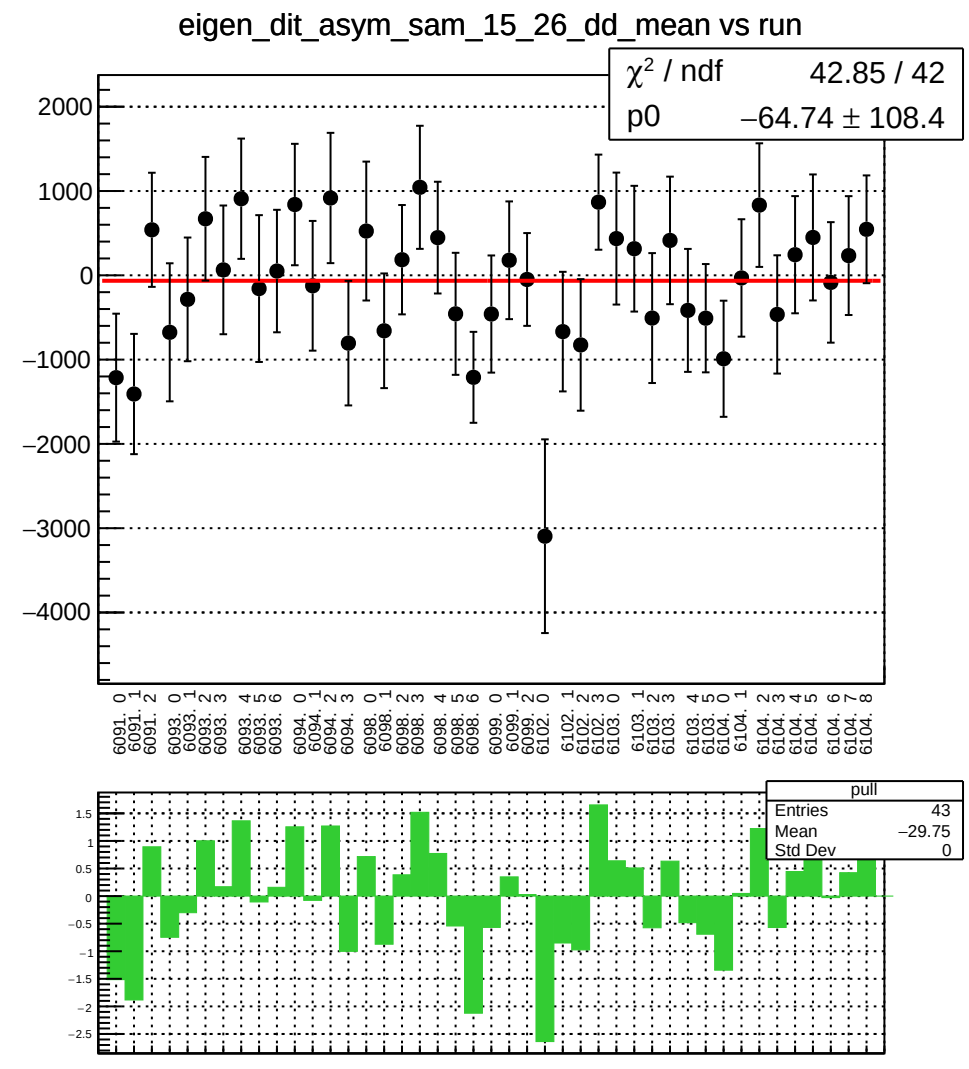
6104. 7
6104. 8


eigen_dit_asym_sam_15_26_dd_mean vs run
χ² / ndf 42.85 / 42
p0 −64.74 ± 108.4
2000
1000
0
−1000
−2000
−3000
−4000
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
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6099. 0
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6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
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6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean −29.75
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5
pull1D
Entries 43
Mean −0.01823
Std Dev 0.9981
8
7
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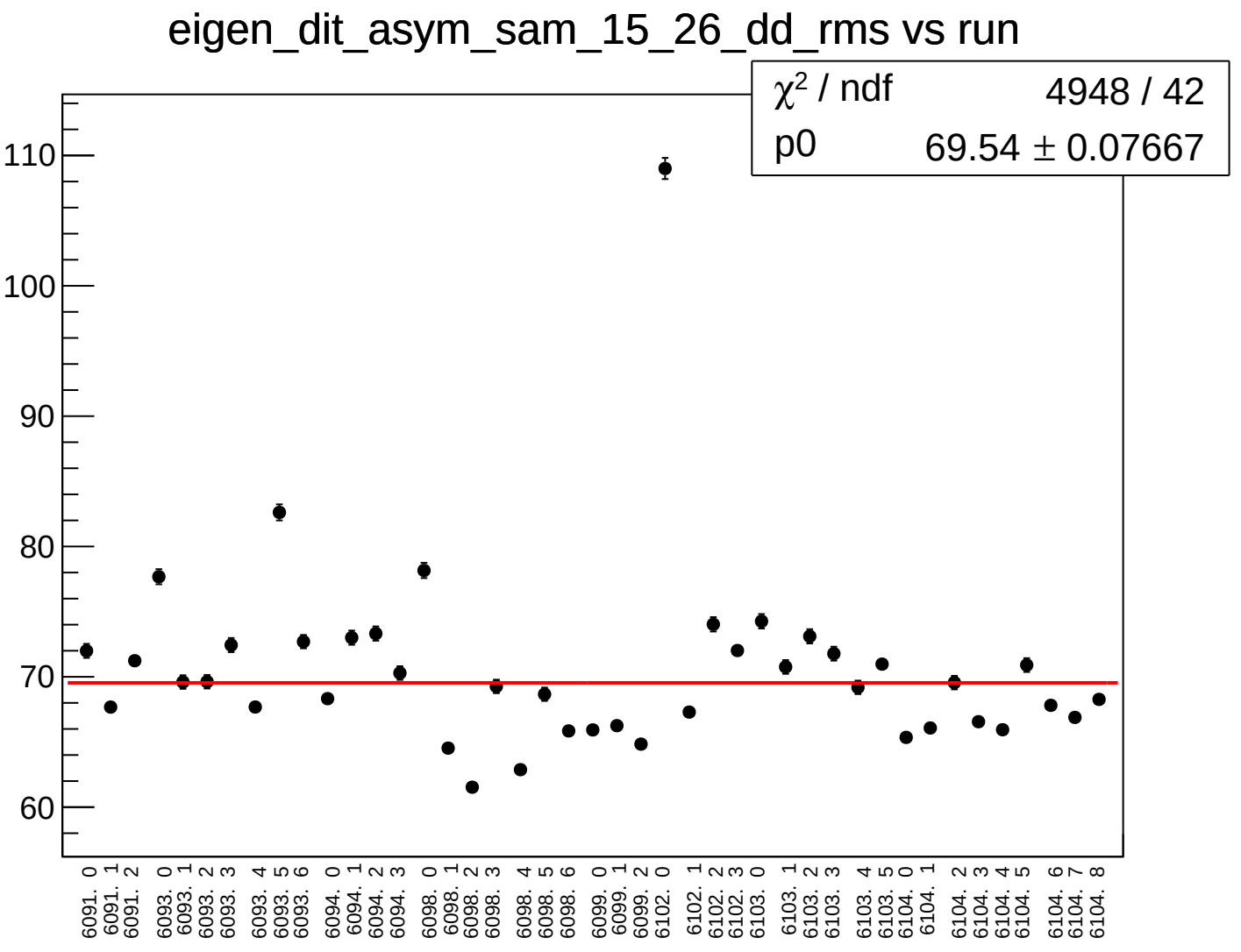
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


eigen_dit_asym_sam_15_26_dd_rms vs run
χ² / ndf 4948 / 42
p0 69.54 ± 0.07667
110
100
90
80
70
60
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
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6098. 1
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6098. 4
6098. 5
6098. 6
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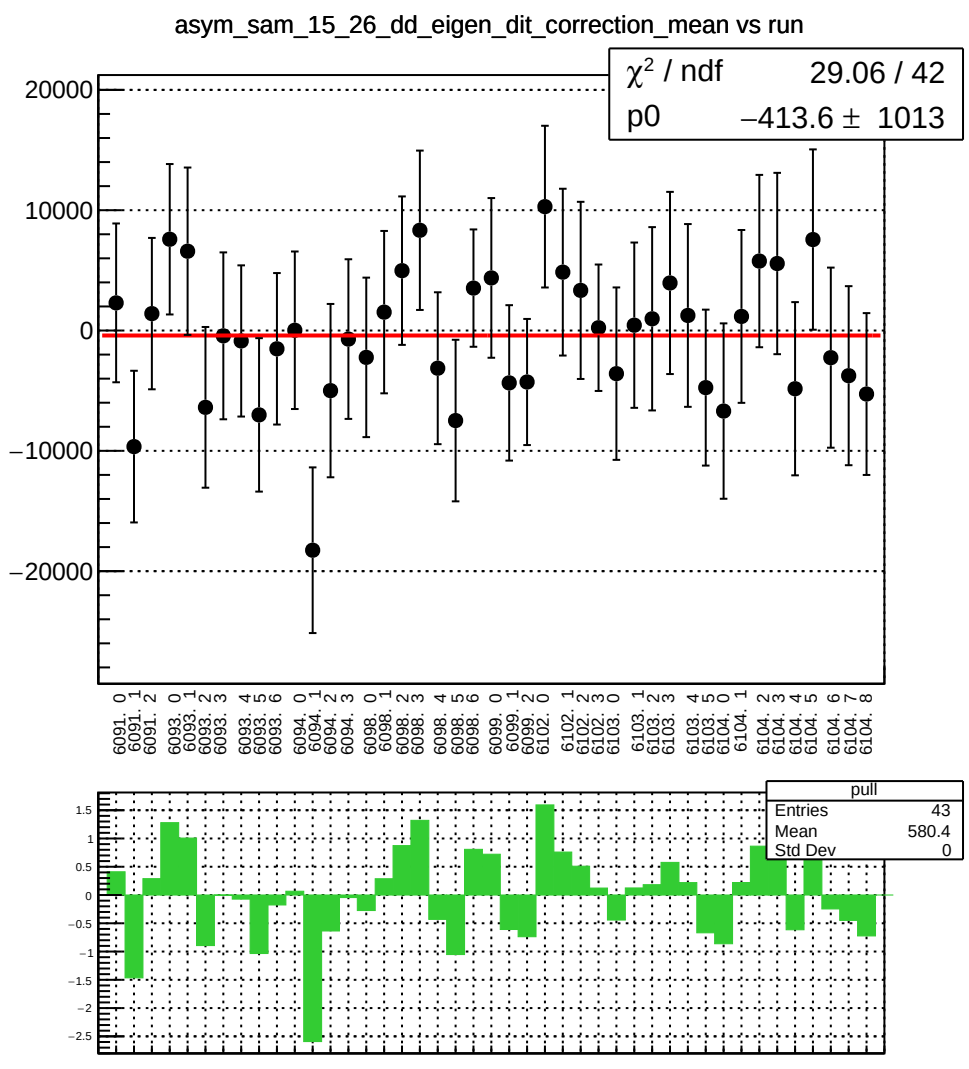
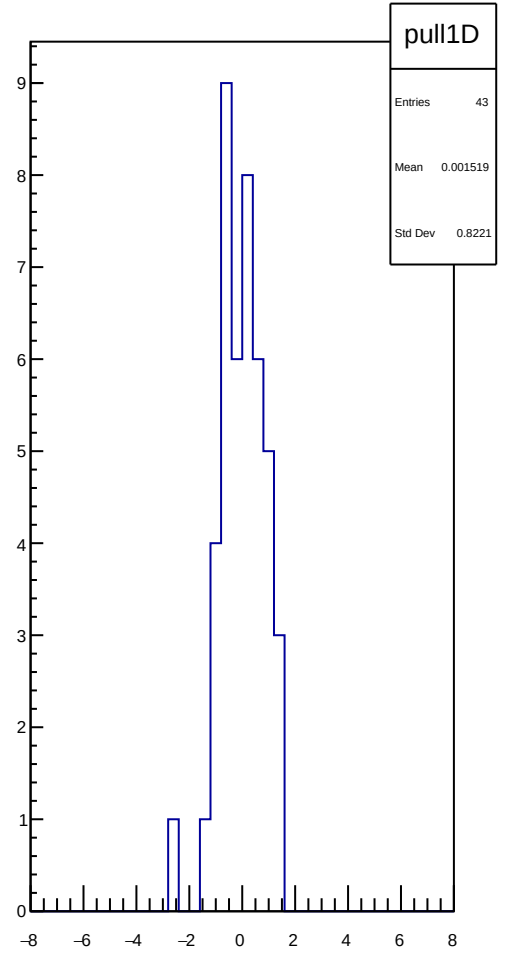
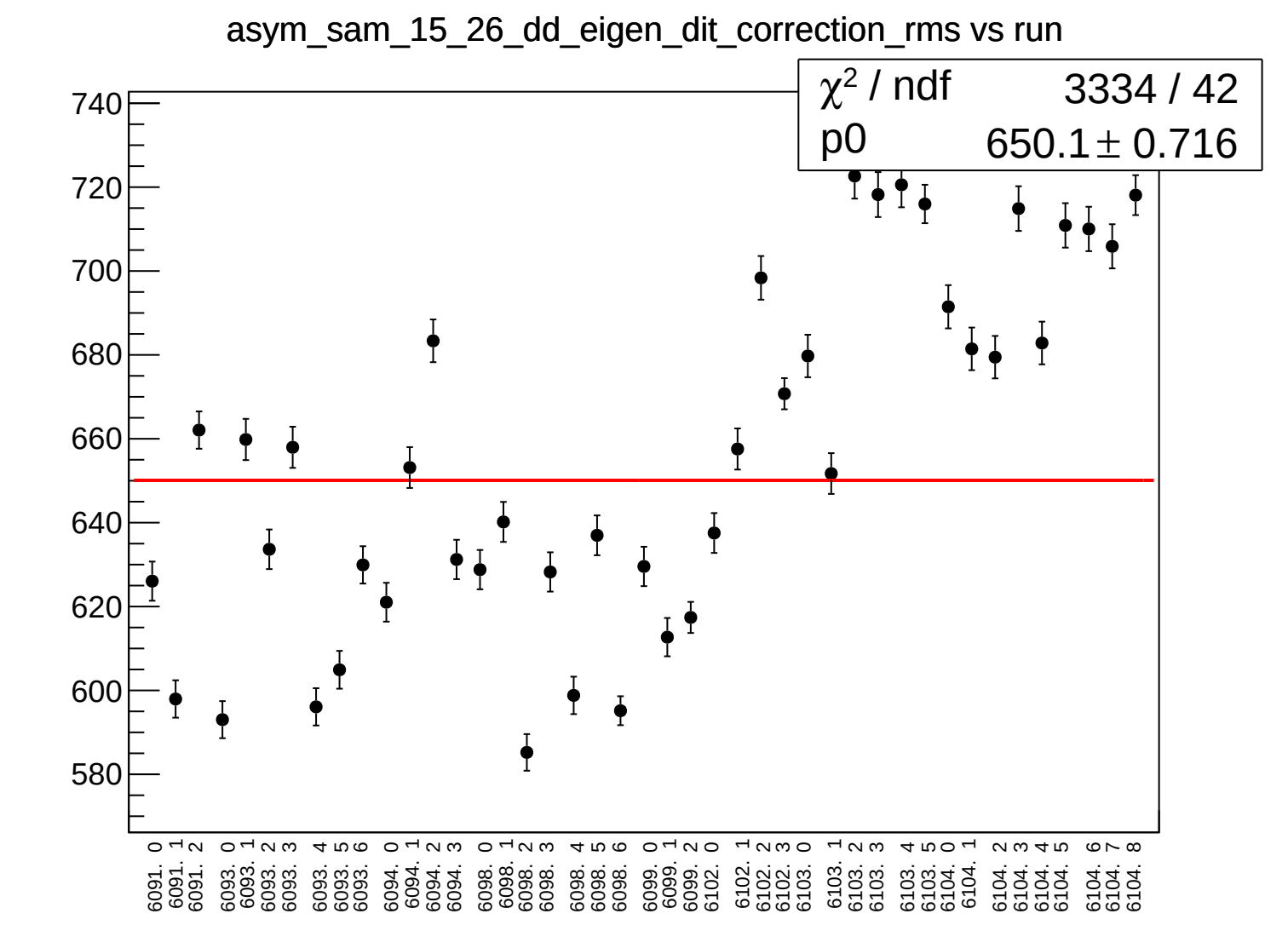
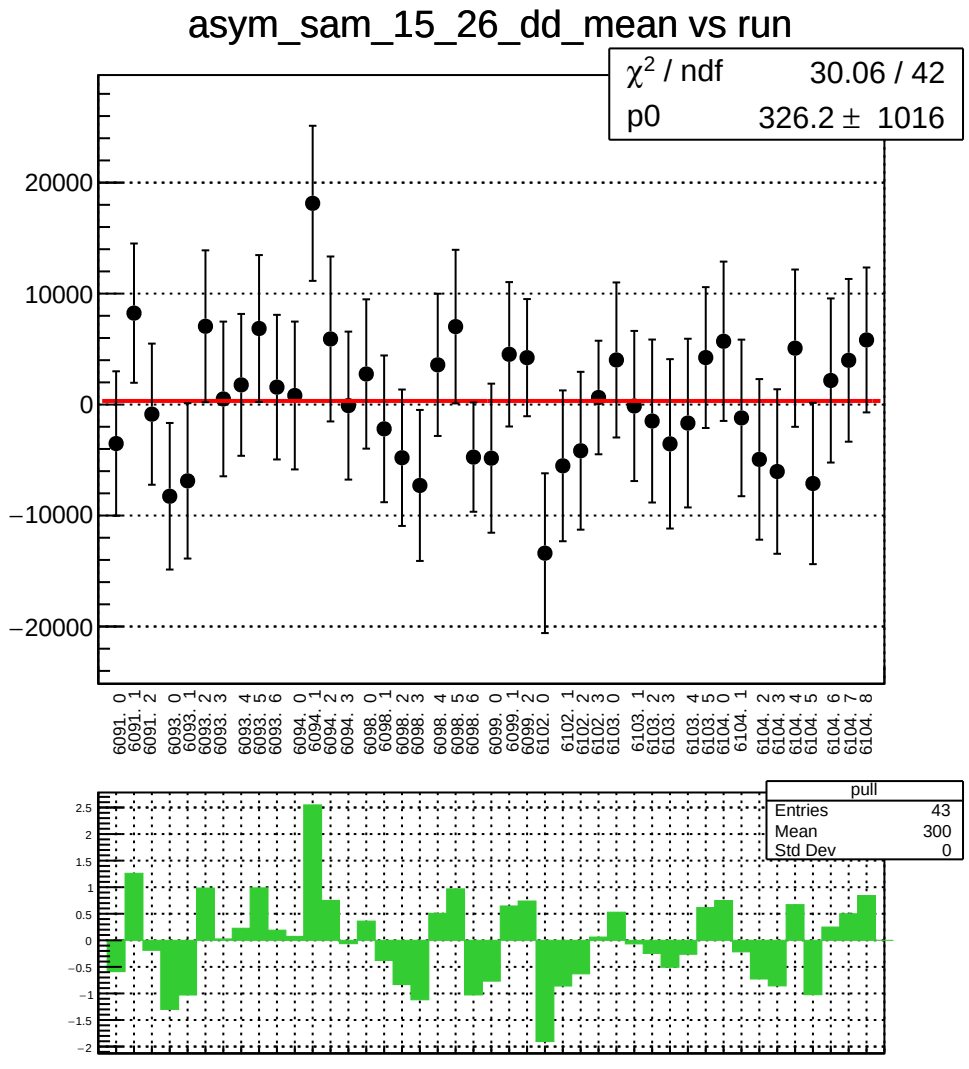
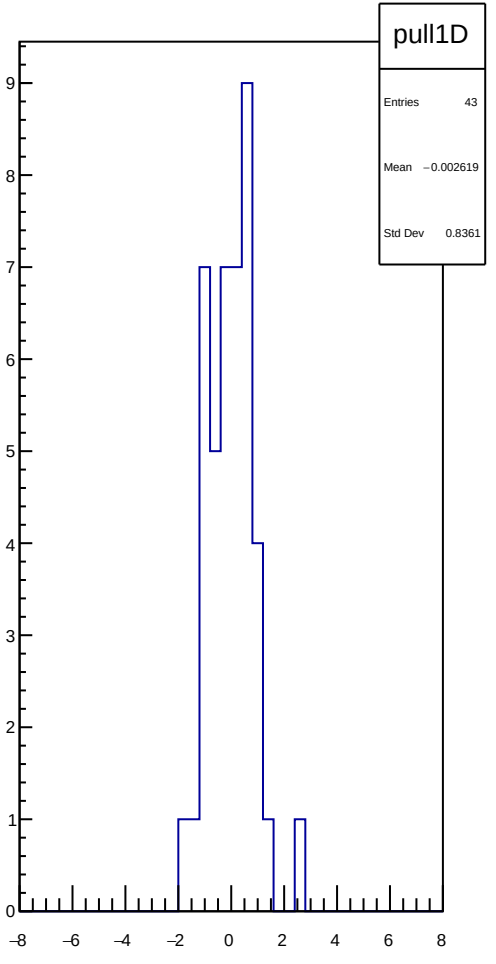
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

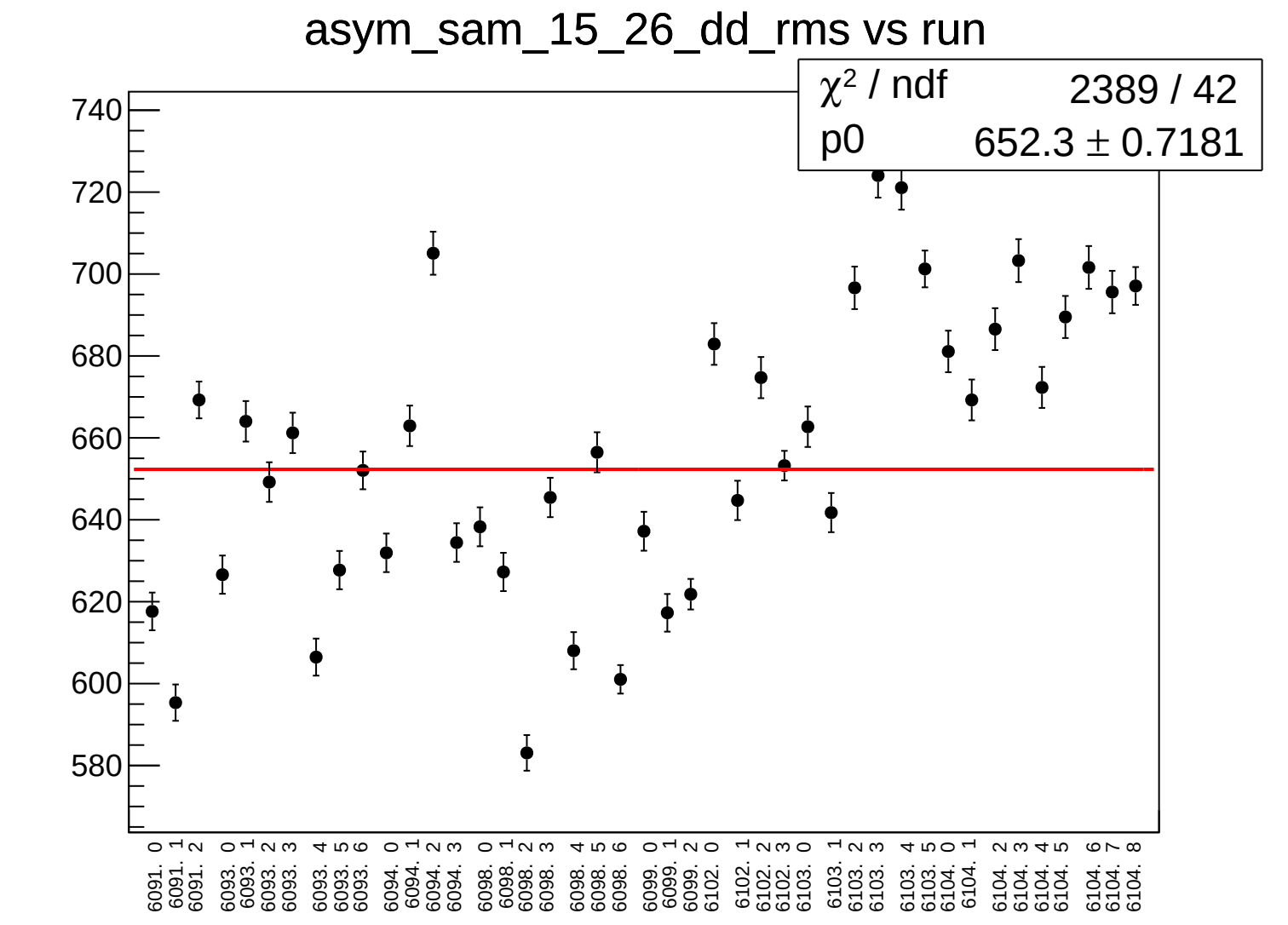

asym_sam_15_26_dd_eigen_dit_correction_mean vs run
χ² / ndf 29.06 / 42
p0 −413.6 ± 1013
20000
10000
0
−10000
−20000
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 580.4
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

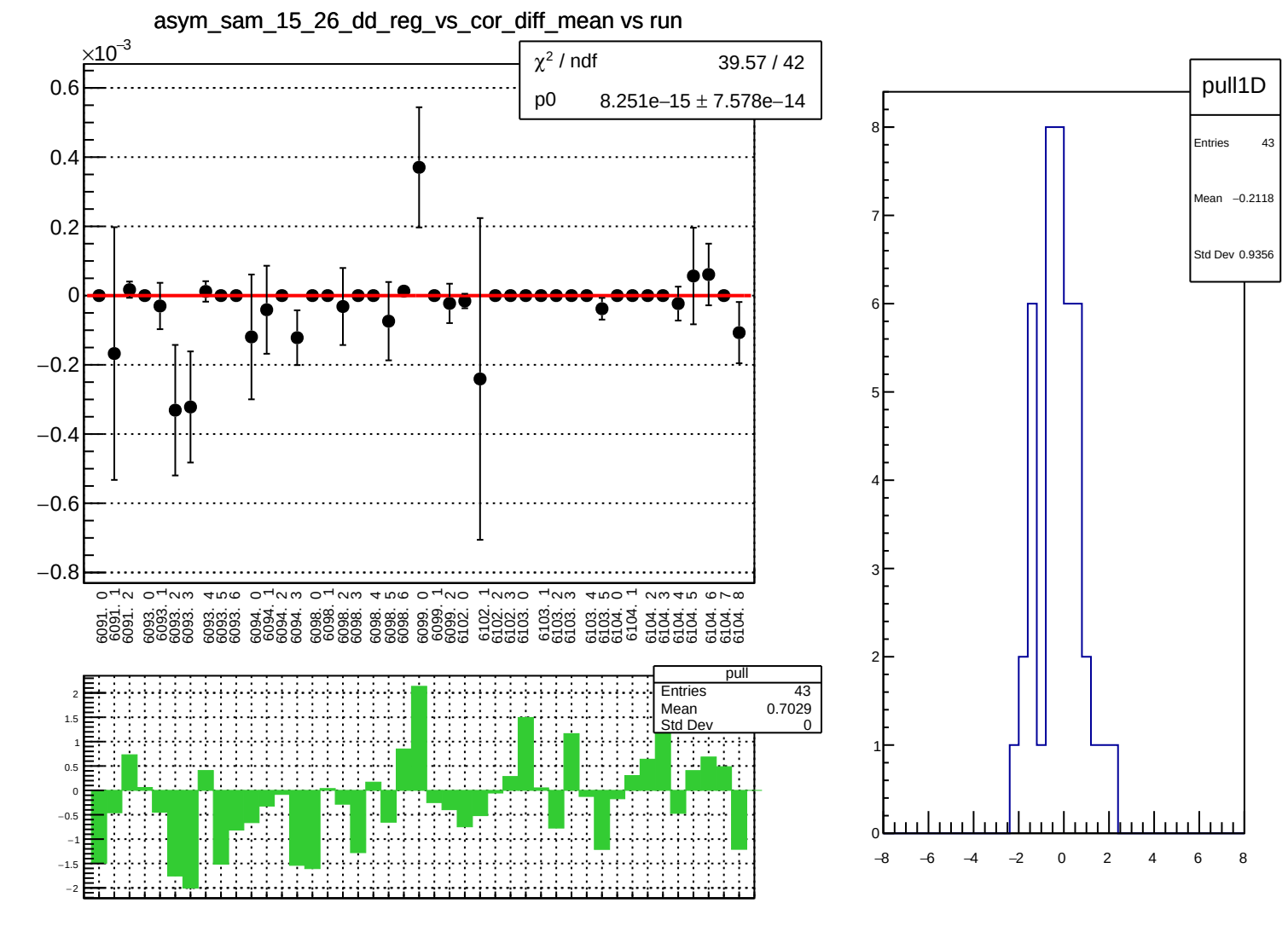

pull1D
Entries 43
Mean 0.001519
Std Dev 0.8221
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

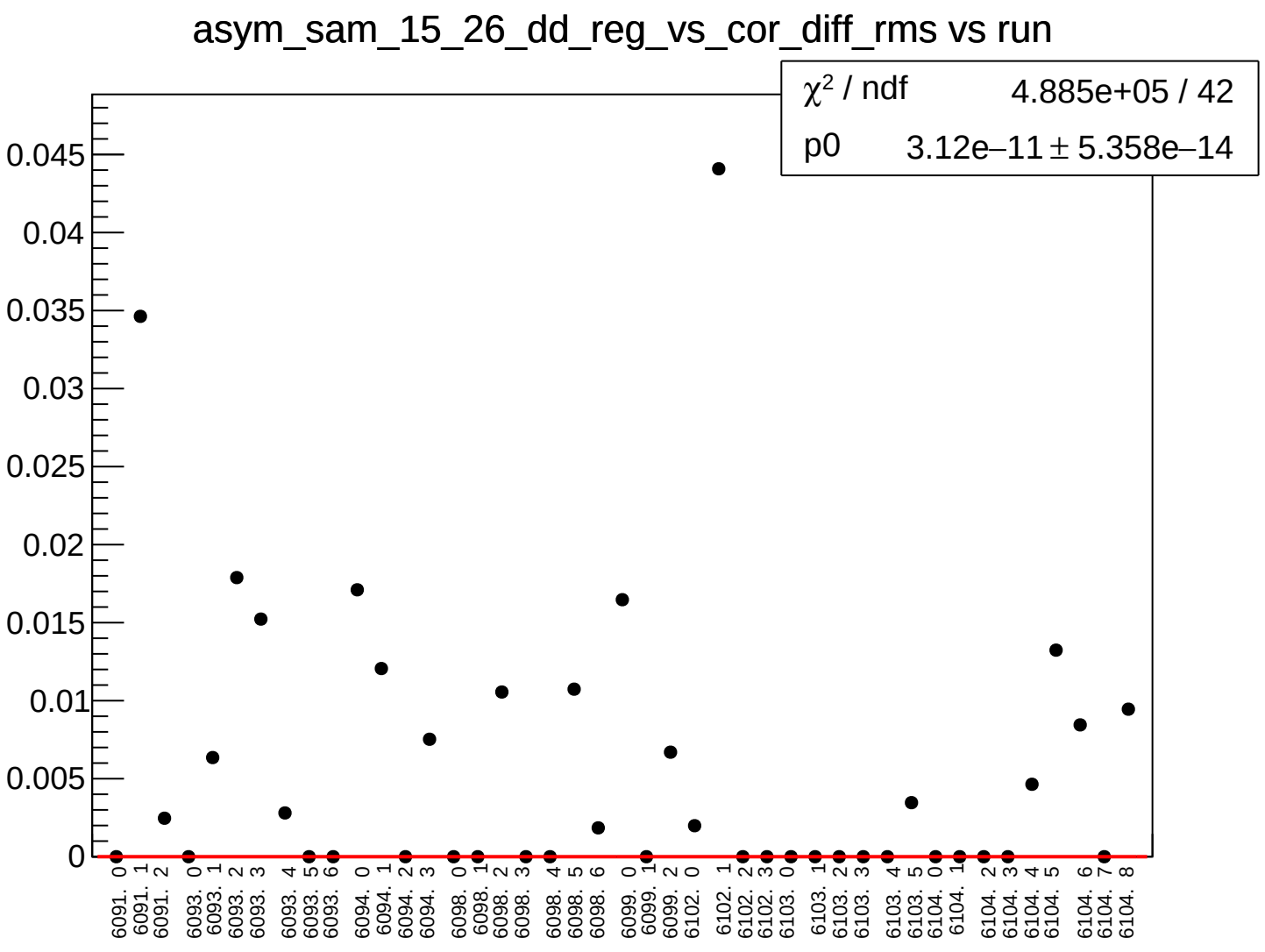

asym_sam_15_26_dd_eigen_dit_correction_rms vs run
χ² / ndf 3334 / 42
p0 650.1 ± 0.716
740
720
700
680
660
640
620
600
580
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

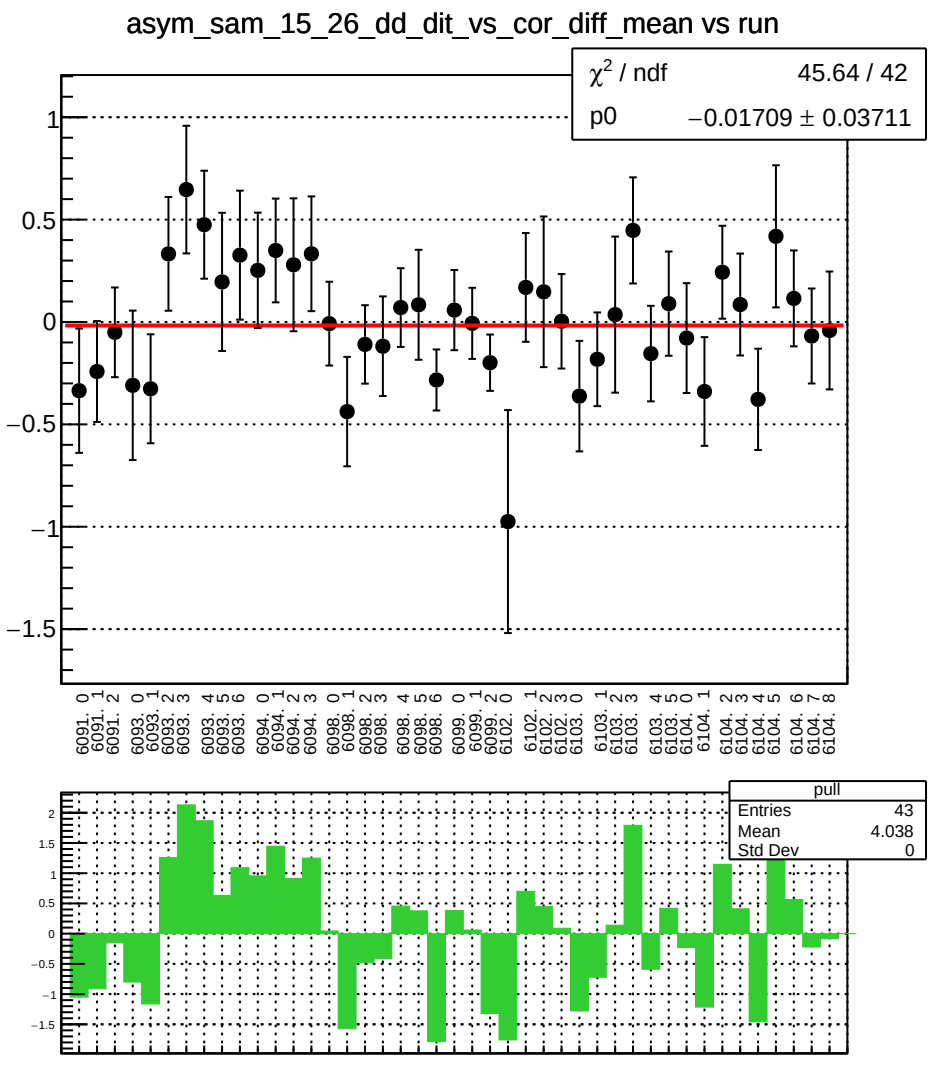

asym_sam_15_26_dd_mean vs run
χ² / ndf 30.06 / 42
p0 326.2 ± 1016
20000
10000
0
−10000
−20000
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 300
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

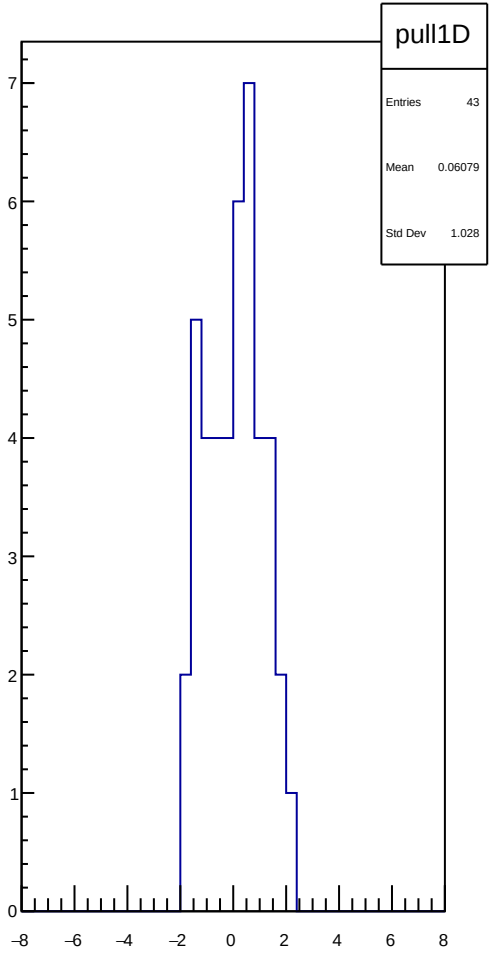

pull1D
Entries 43
Mean −0.002619
Std Dev 0.8361
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

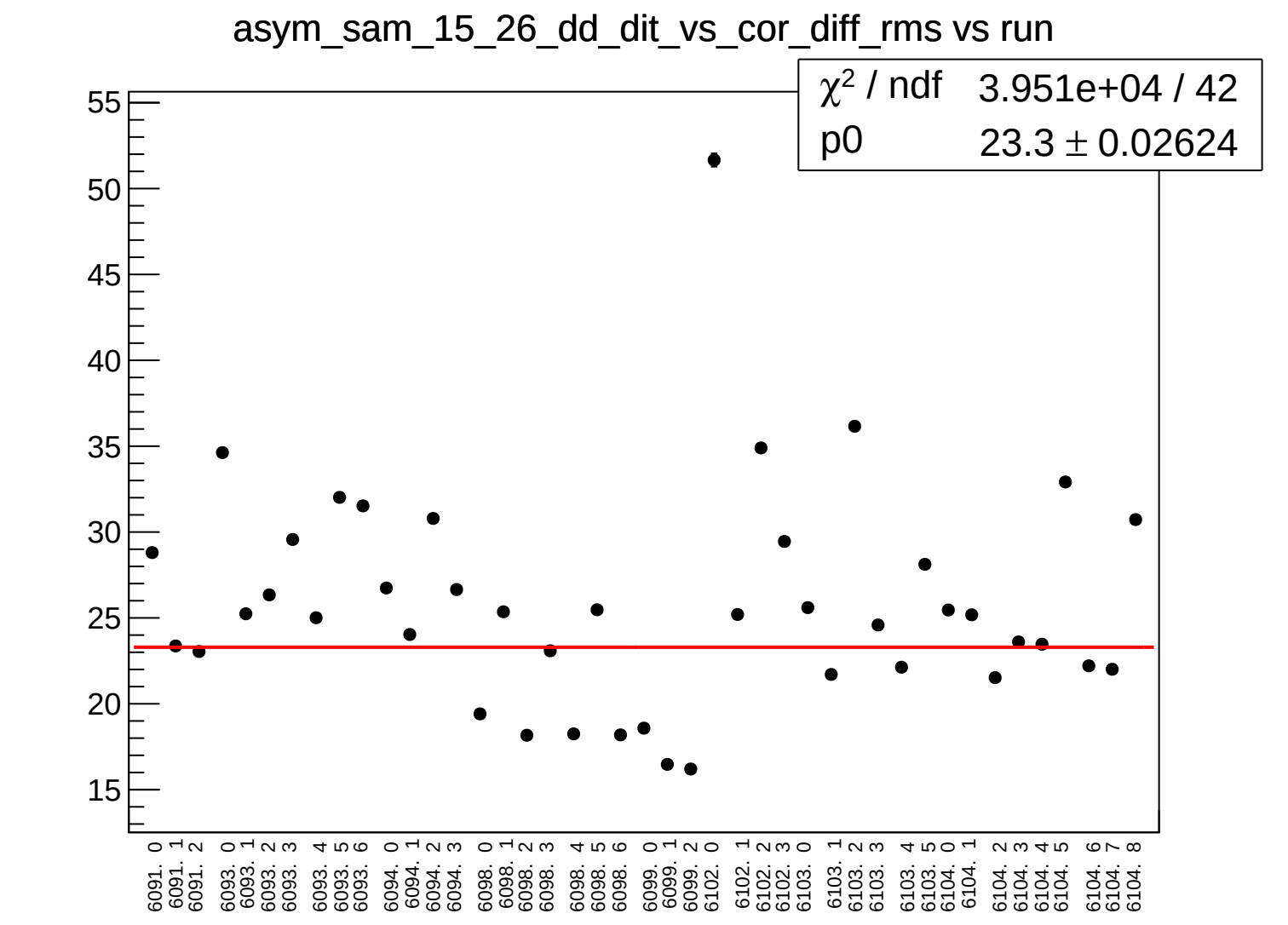

asym_sam_15_26_dd_rms vs run
χ² / ndf 2389 / 42
p0 652.3 ± 0.7181
740
720
700
680
660
640
620
600
580
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

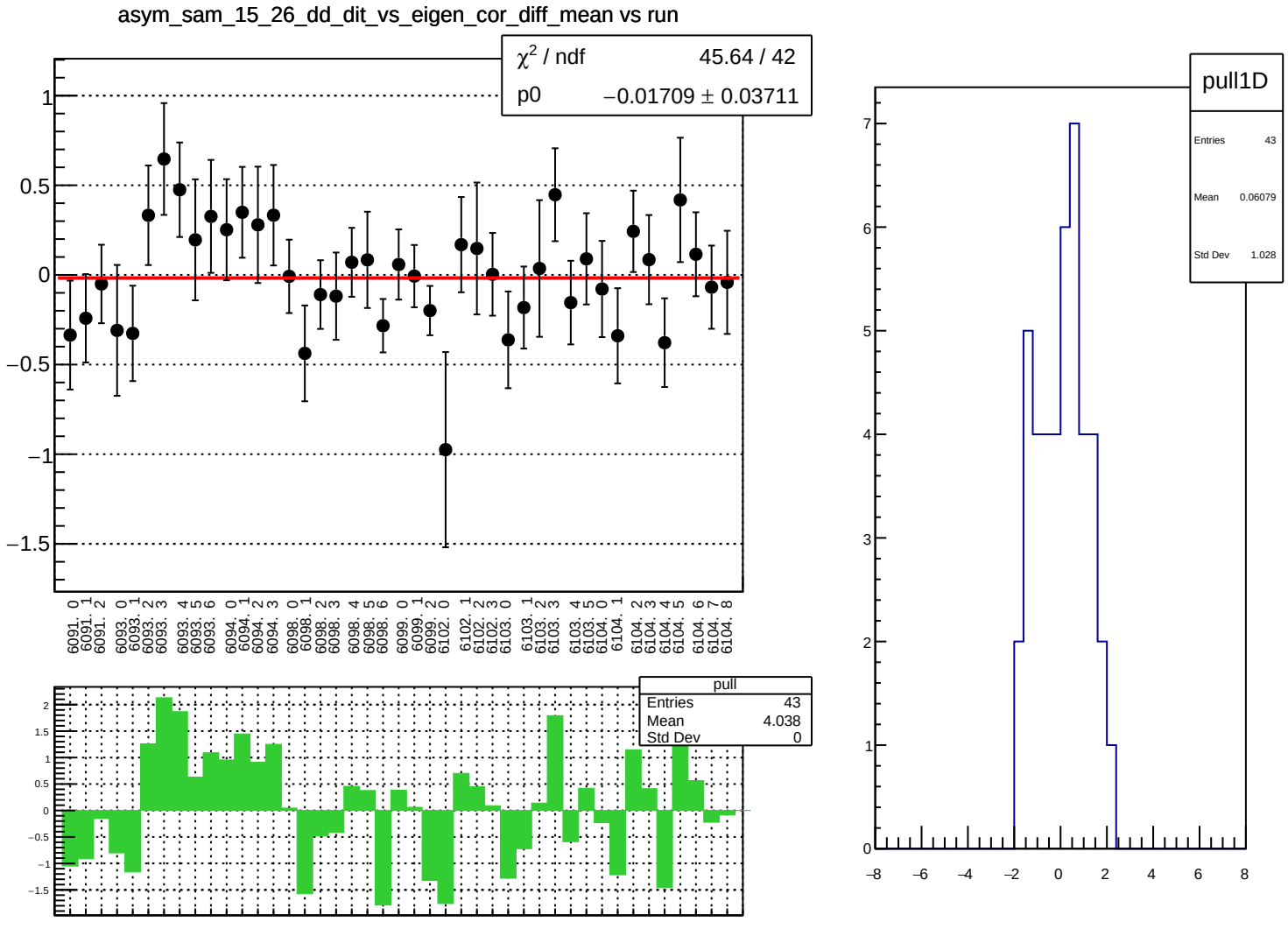

asym_sam_15_26_dd_reg_vs_cor_diff_mean vs run
×10⁻³
χ² / ndf 39.57 / 42
p0 8.251e−15 ± 7.578e−14
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 0.7029
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 43
Mean −0.2118
Std Dev 0.9356
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

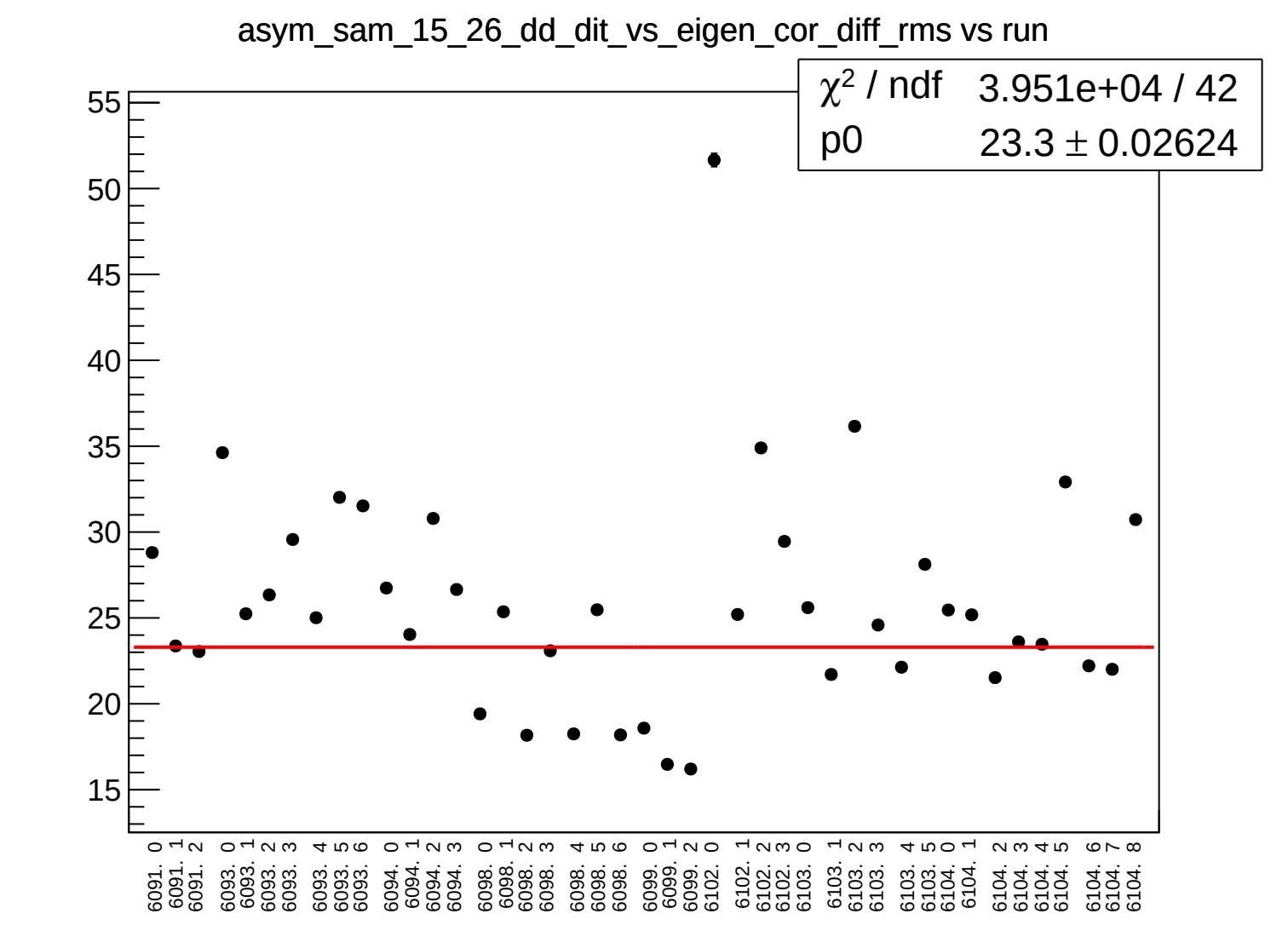

asym_sam_15_26_dd_reg_vs_cor_diff_rms vs run
χ² / ndf 4.885e+05 / 42
p0 3.12e−11 ± 5.358e−14
0.045
0.04
0.035
0.03
0.025
0.02
0.015
0.01
0.005
0
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

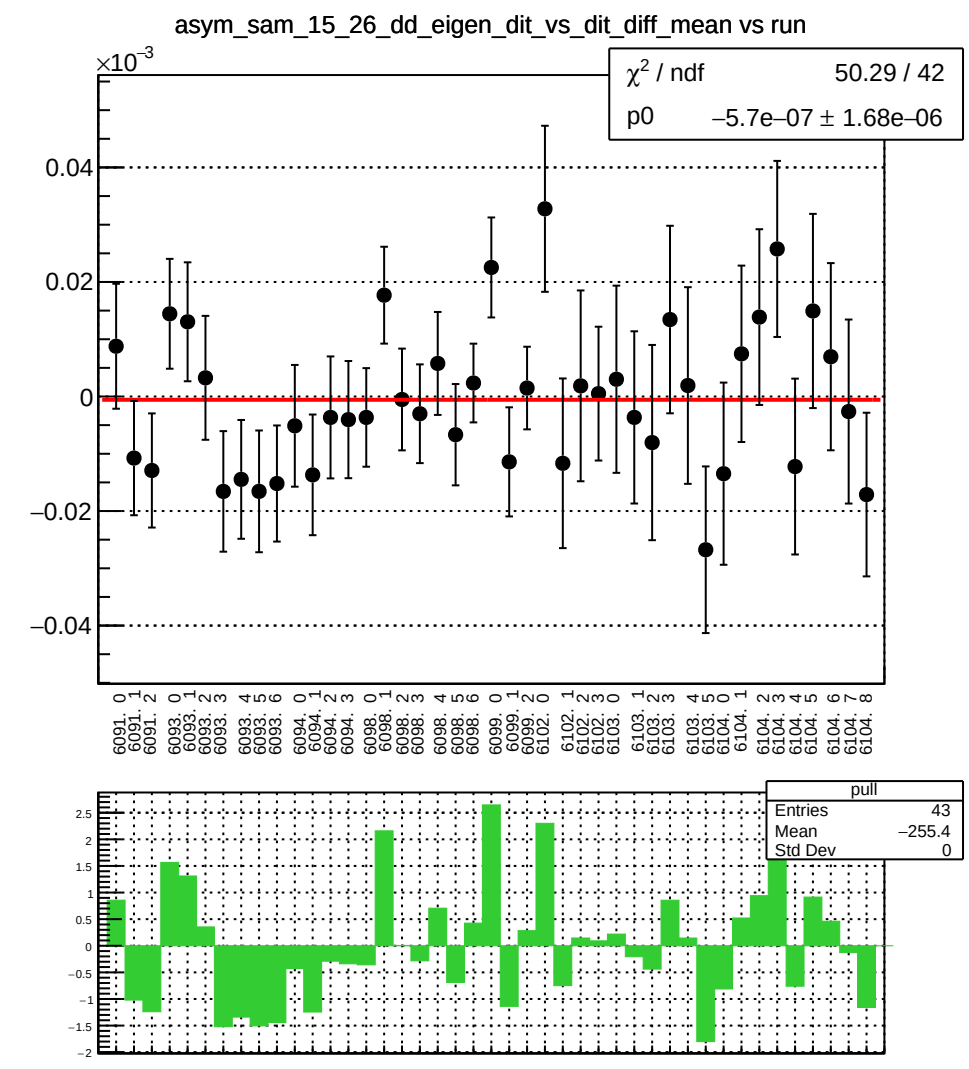

asym_sam_15_26_dd_dit_vs_cor_diff_mean vs run
χ² / ndf 45.64 / 42
p0 −0.01709 ± 0.03711
pull
Entries 43
Mean 4.038
Std Dev 0
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

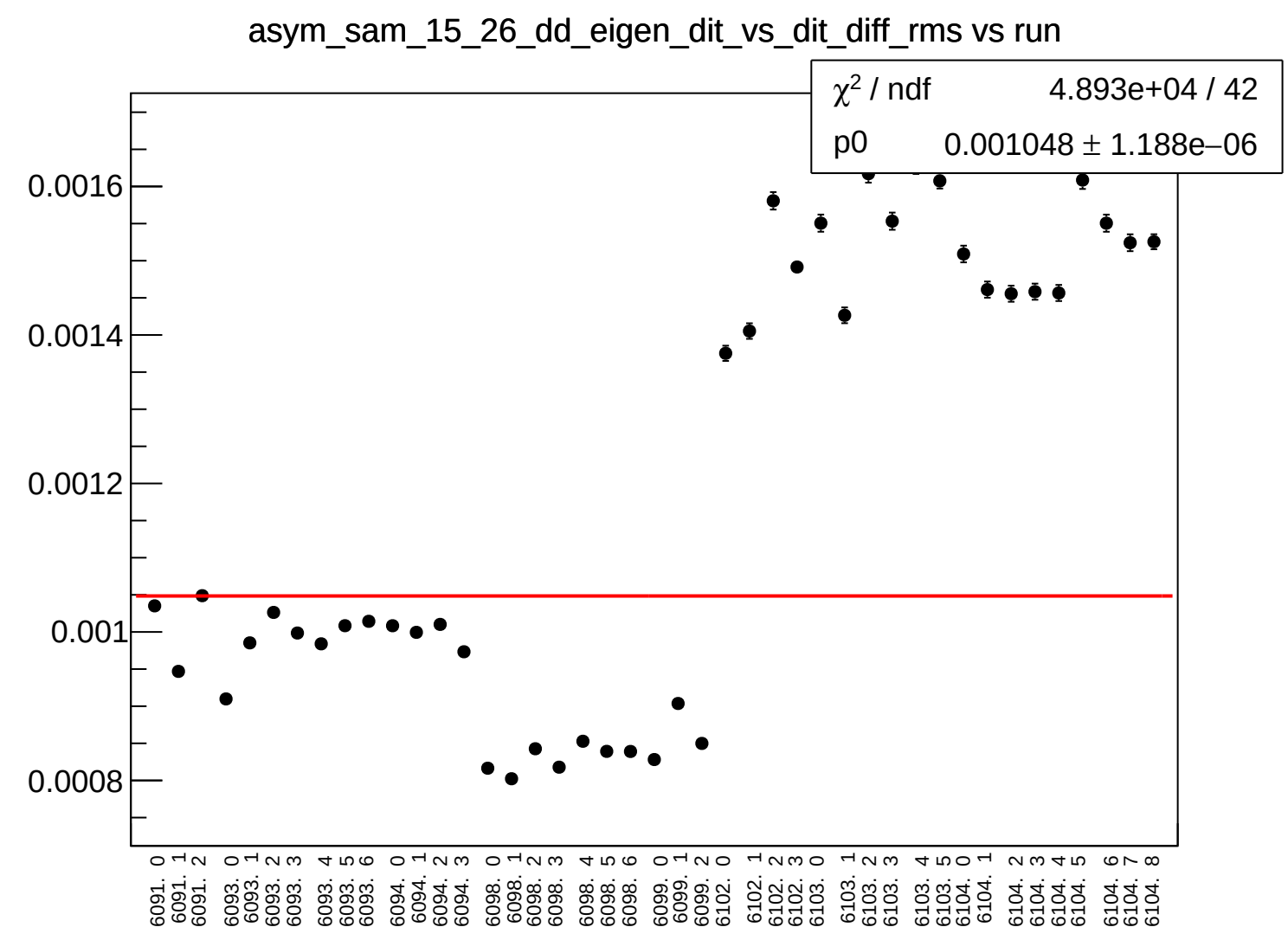

pull1D
Entries 43
Mean 0.06079
Std Dev 1.028

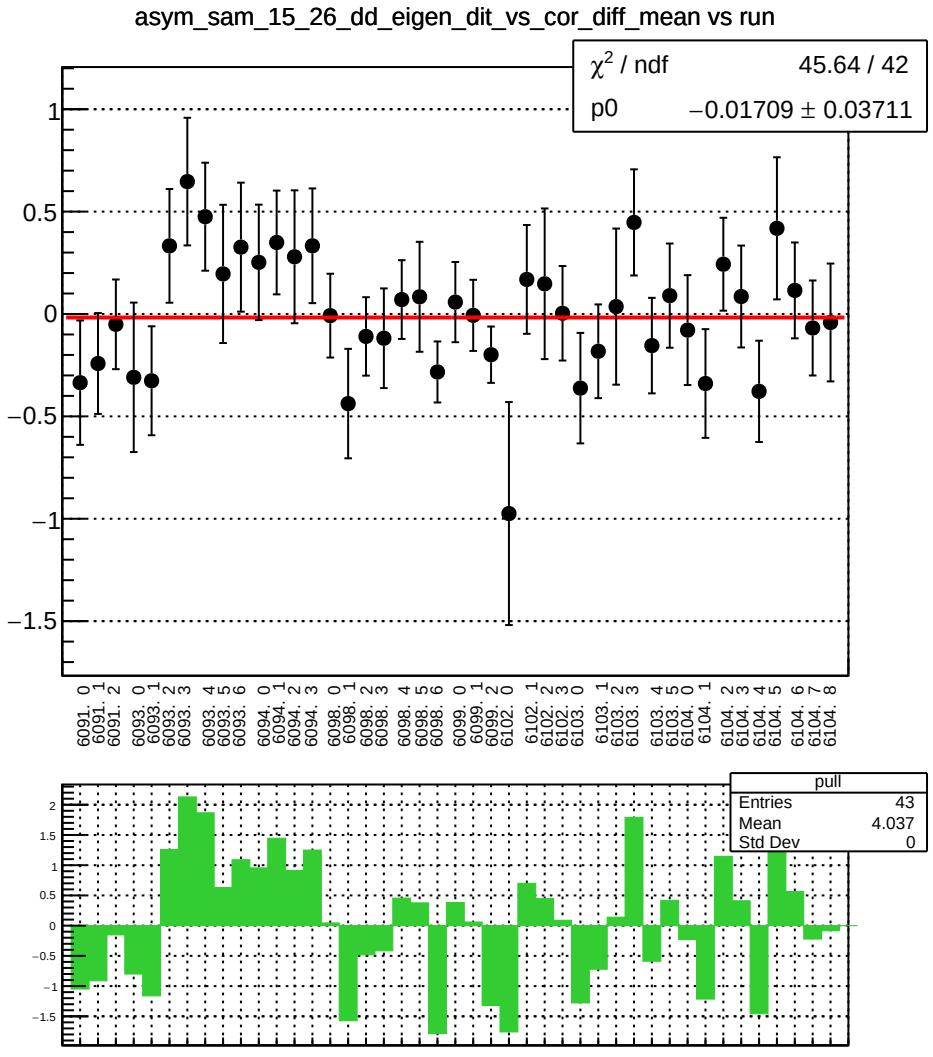

asym_sam_15_26_dd_dit_vs_cor_diff_rms vs run
χ² / ndf 3.951e+04 / 42
p0 23.3 ± 0.02624
55
50
45
40
35
30
25
20
15
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

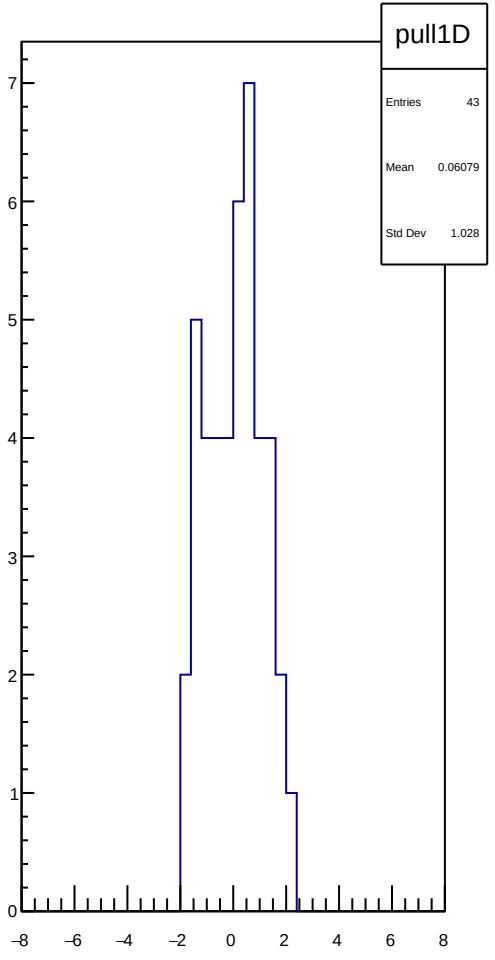

asym_sam_15_26_dd_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 45.64 / 42
p0 −0.01709 ± 0.03711
pull
Entries 43
Mean 4.038
Std Dev 0
pull1D
Entries 43
Mean 0.06079
Std Dev 1.028

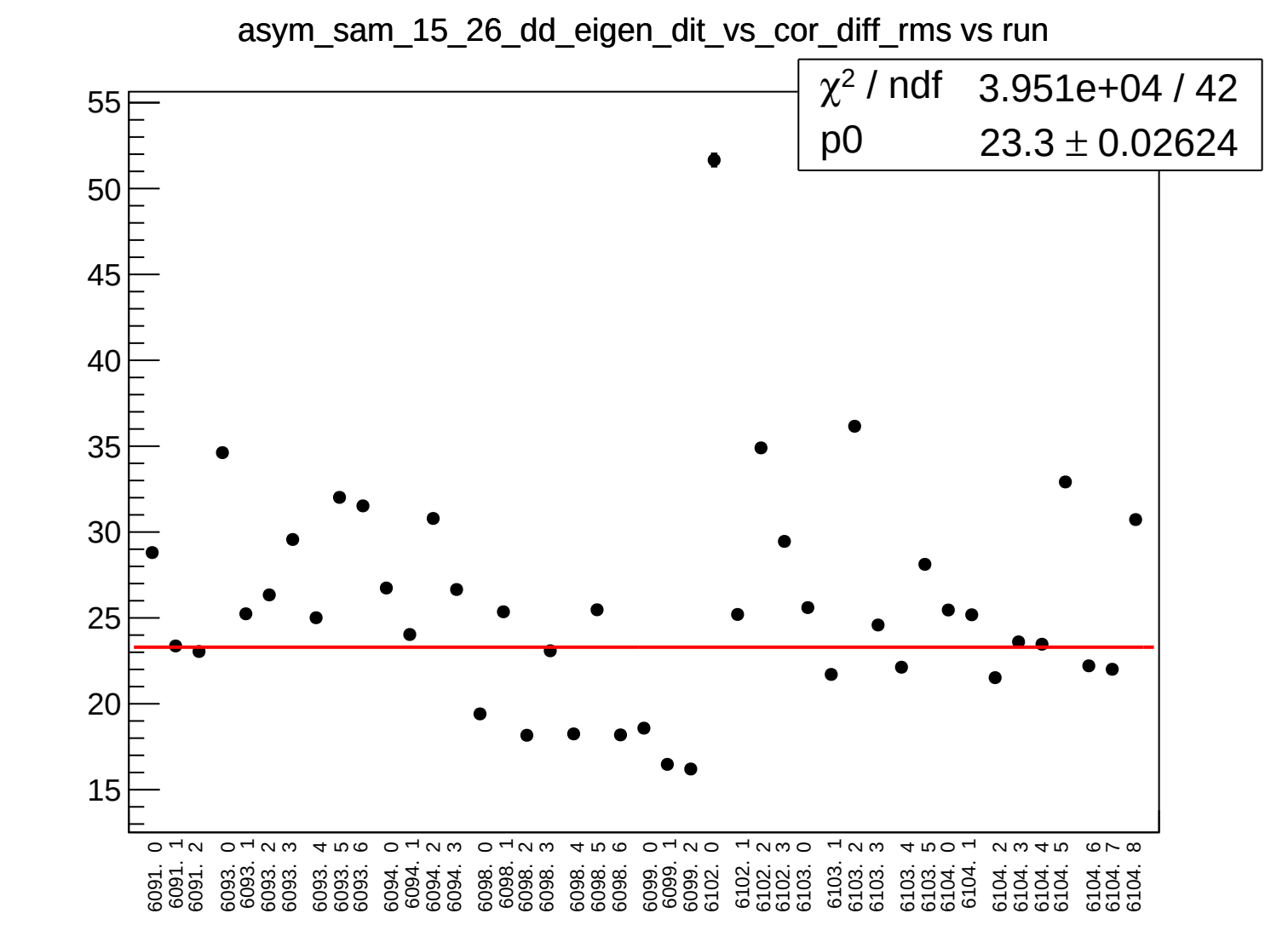

asym_sam_15_26_dd_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 3.951e+04 / 42
p0 23.3 ± 0.02624
55
50
45
40
35
30
25
20
15
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

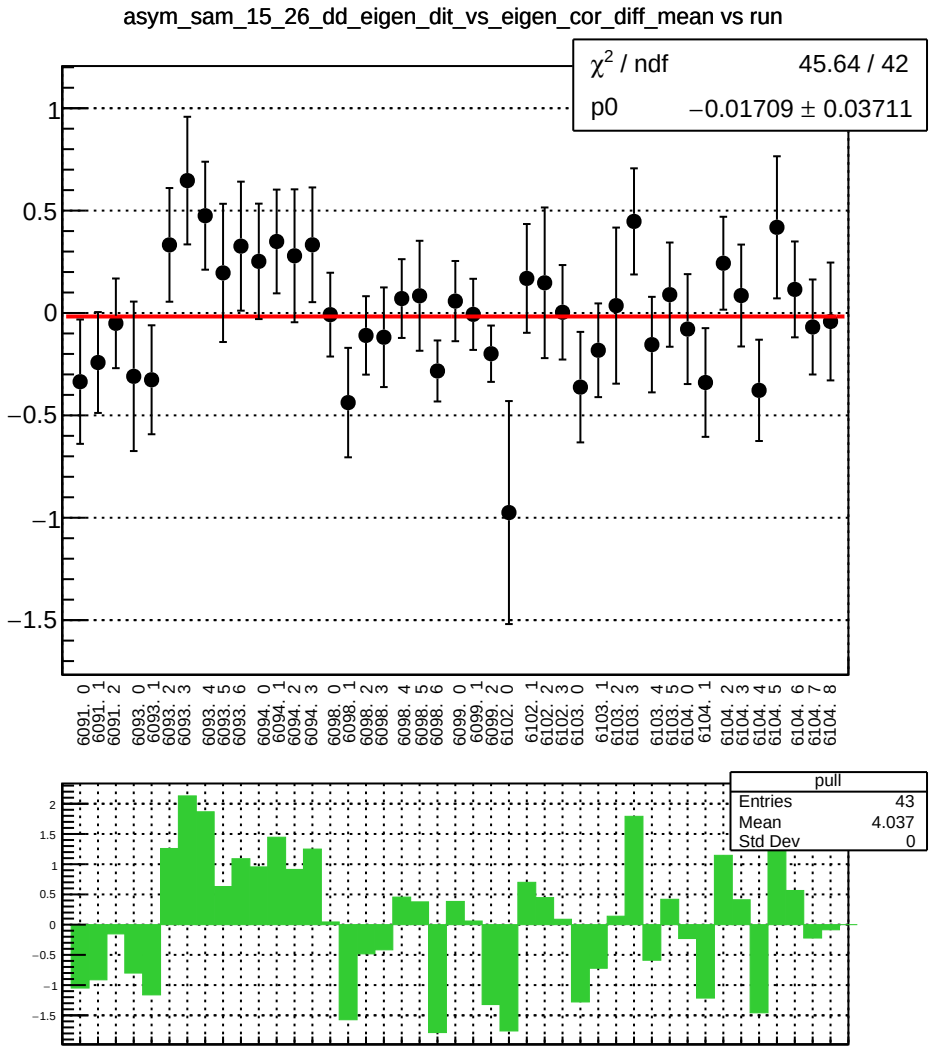

asym_sam_15_26_dd_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 50.29 / 42
p0 –5.7e–07 ± 1.68e–06
0.04
0.02
0
–0.02
–0.04
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean –255.4
Std Dev 0
2.5
2
1.5
1
0.5
0
–0.5
–1
–1.5
–2
pull1D
Entries 43
Mean –0.006133
Std Dev 1.081
7
6
5
4
3
2
1
0
–8
–6
–4
–2
0
2
4
6
8

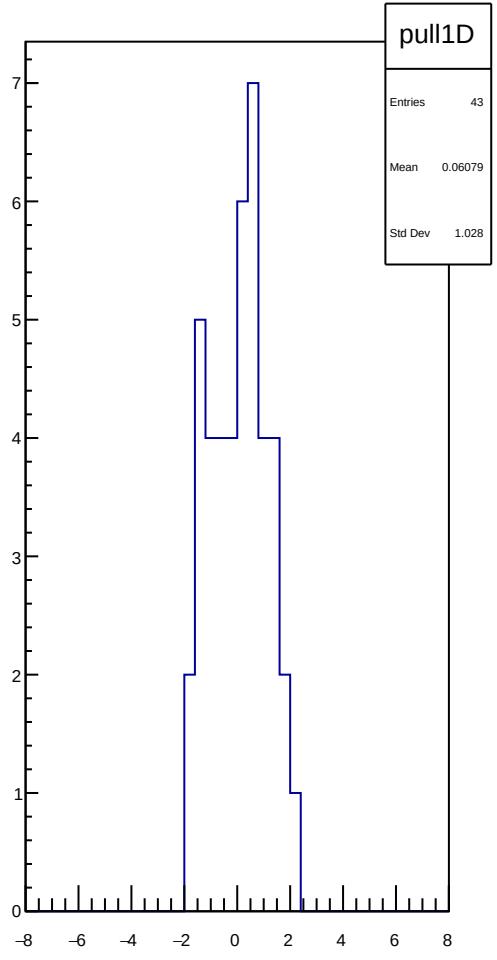

asym_sam_15_26_dd_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 4.893e+04 / 42
p0 0.001048 ± 1.188e−06
0.0016
0.0014
0.0012
0.001
0.0008
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

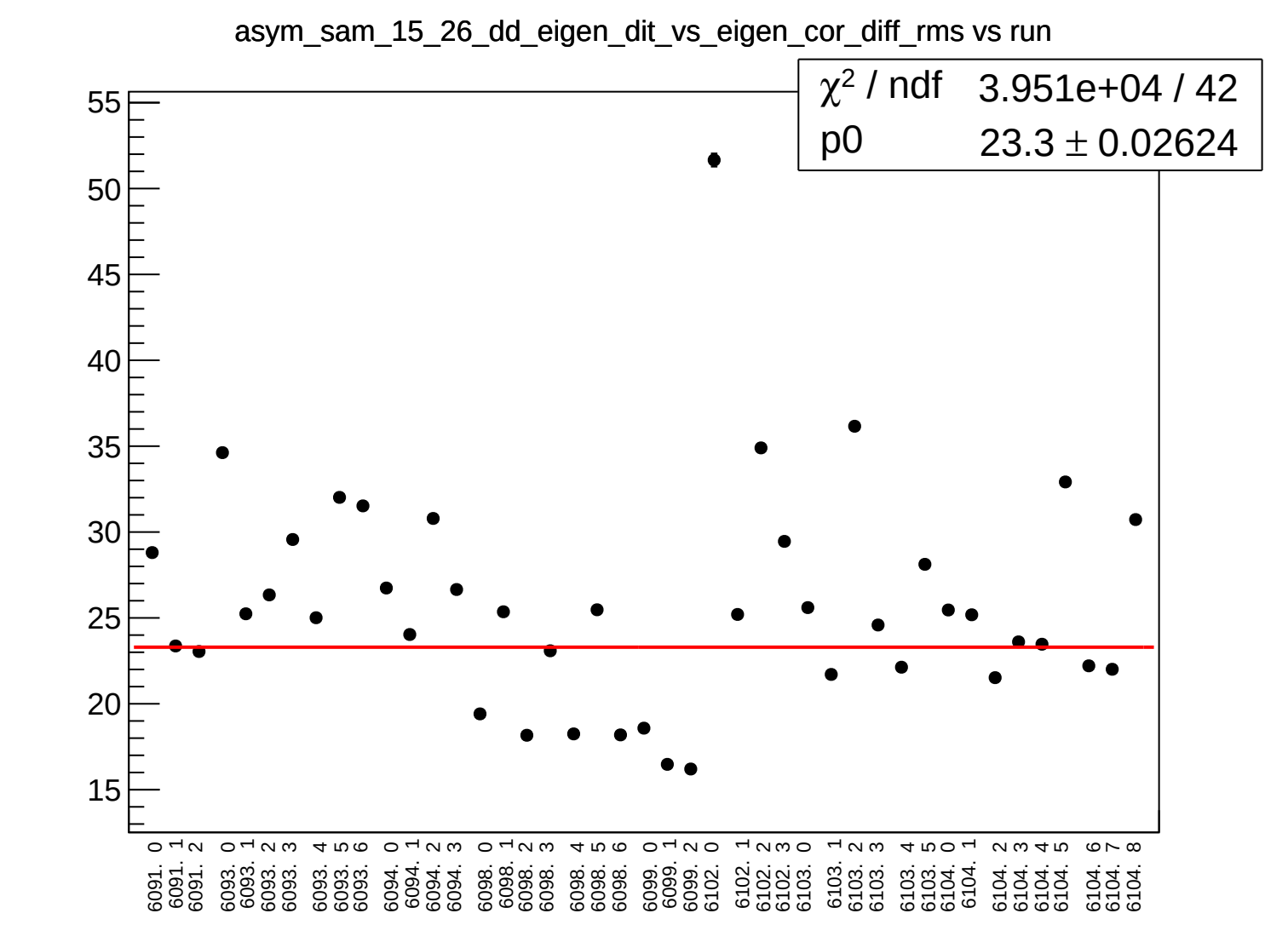

asym_sam_15_26_dd_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 45.64 / 42
p0 −0.01709 ± 0.03711
pull
Entries 43
Mean 4.037
Std Dev 0


pull1D
Entries 43
Mean 0.06079
Std Dev 1.028


asym_sam_15_26_dd_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 3.951e+04 / 42
p0 23.3 ± 0.02624
55
50
45
40
35
30
25
20
15
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8


asym_sam_15_26_dd_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 45.64 / 42
p0 −0.01709 ± 0.03711
pull
Entries 43
Mean 4.037
Std Dev 0


pull1D
Entries 43
Mean 0.06079
Std Dev 1.028


asym_sam_15_26_dd_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 3.951e+04 / 42
p0 23.3 ± 0.02624
55
50
45
40
35
30
25
20
15
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
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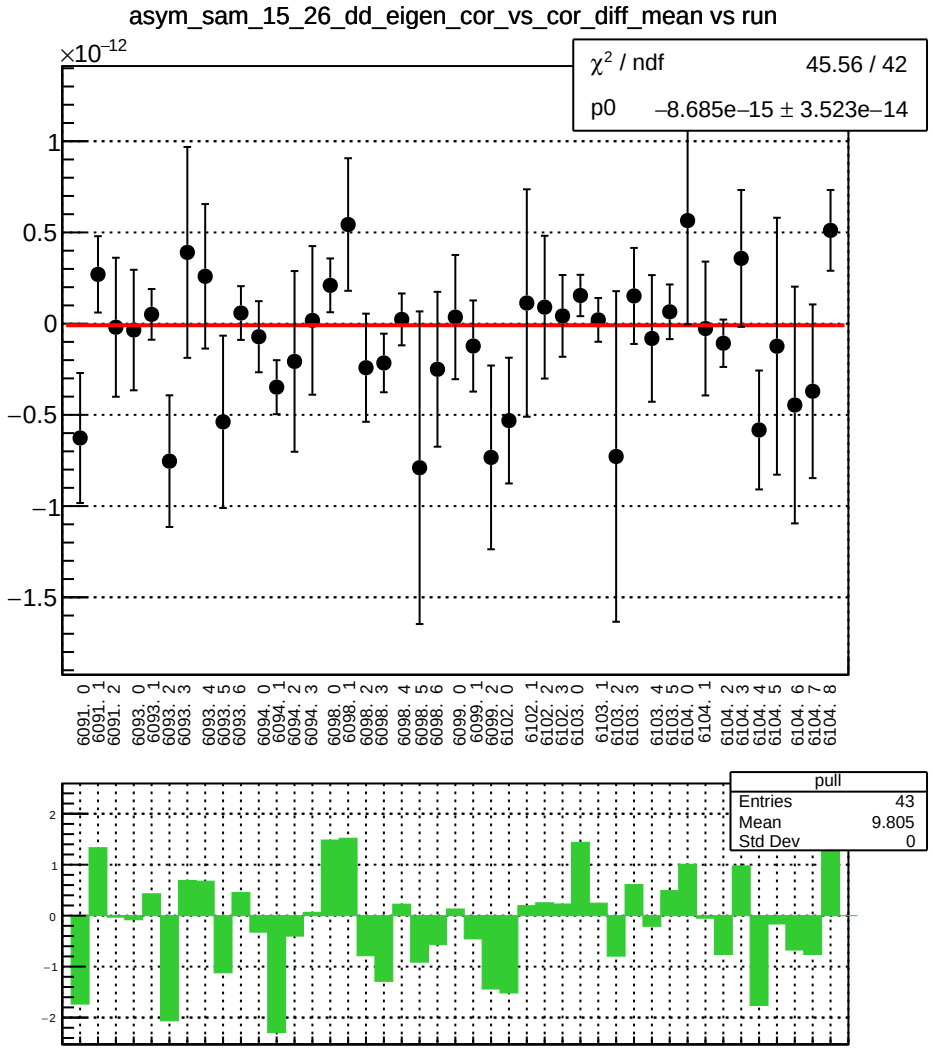
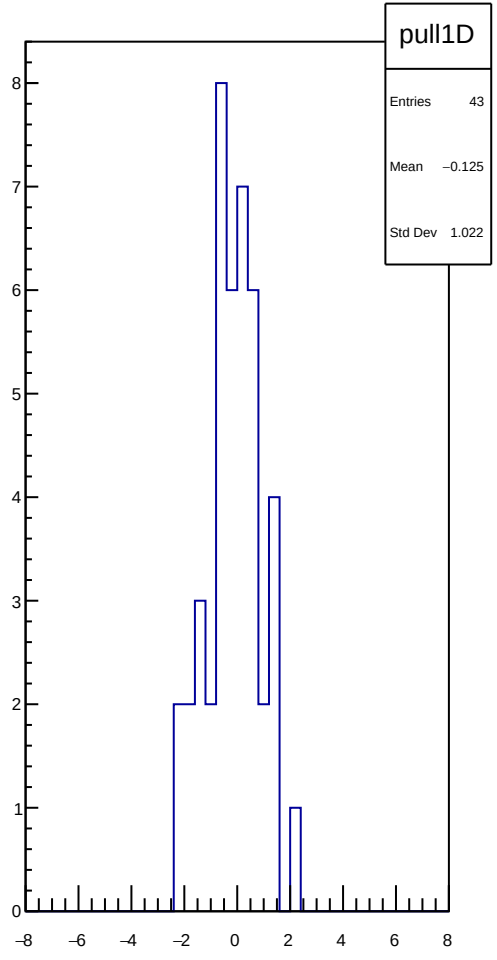
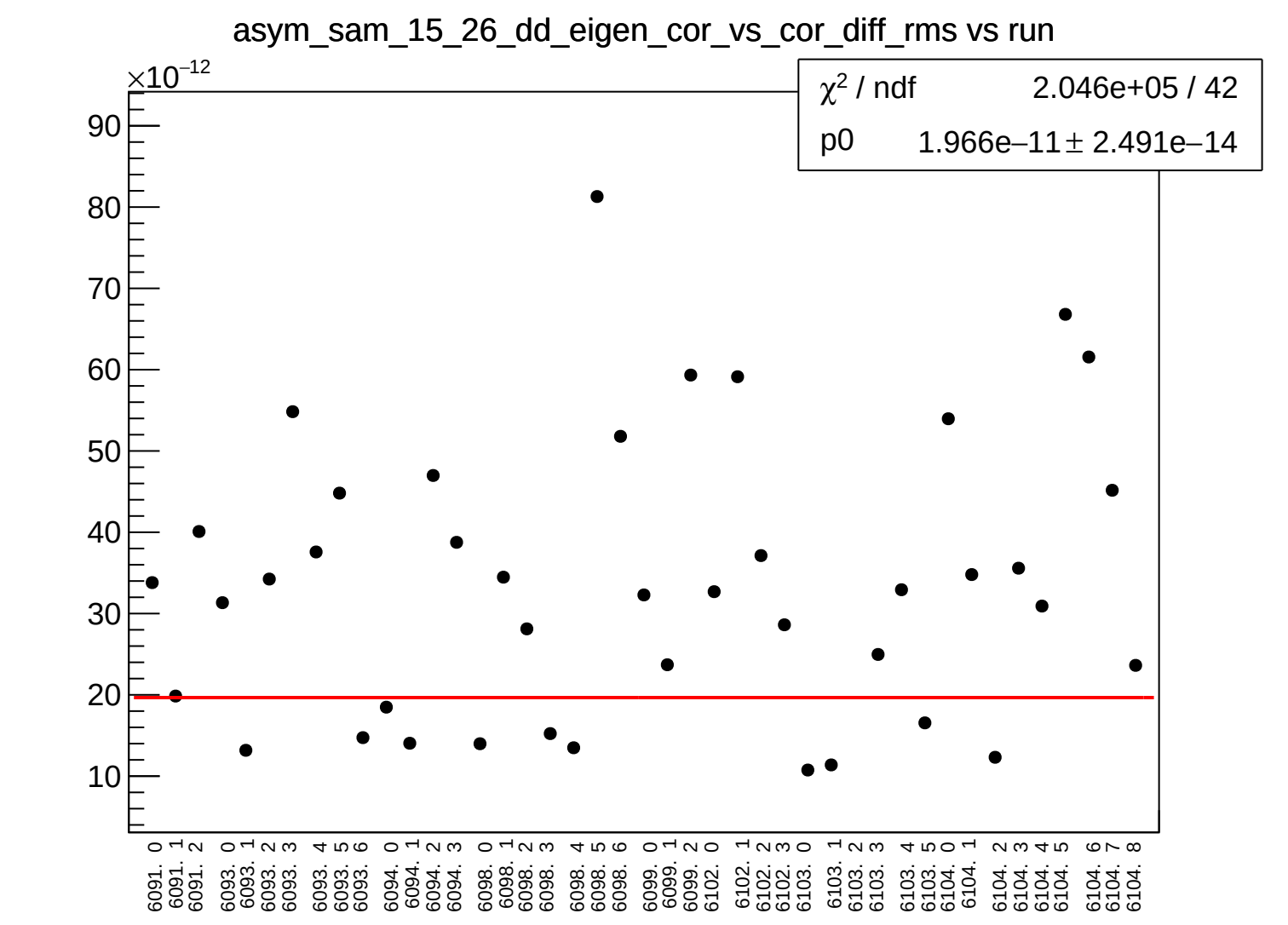
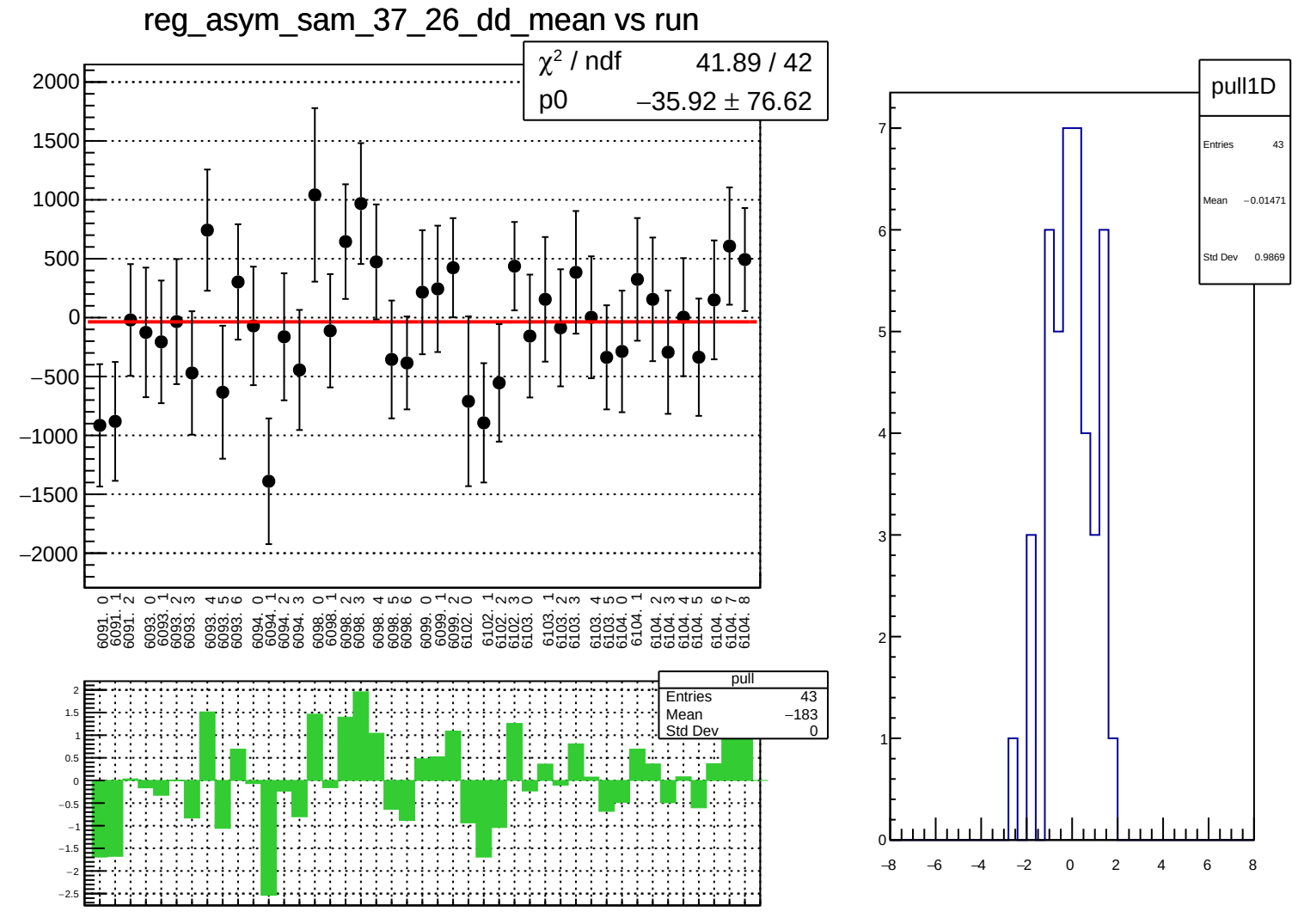
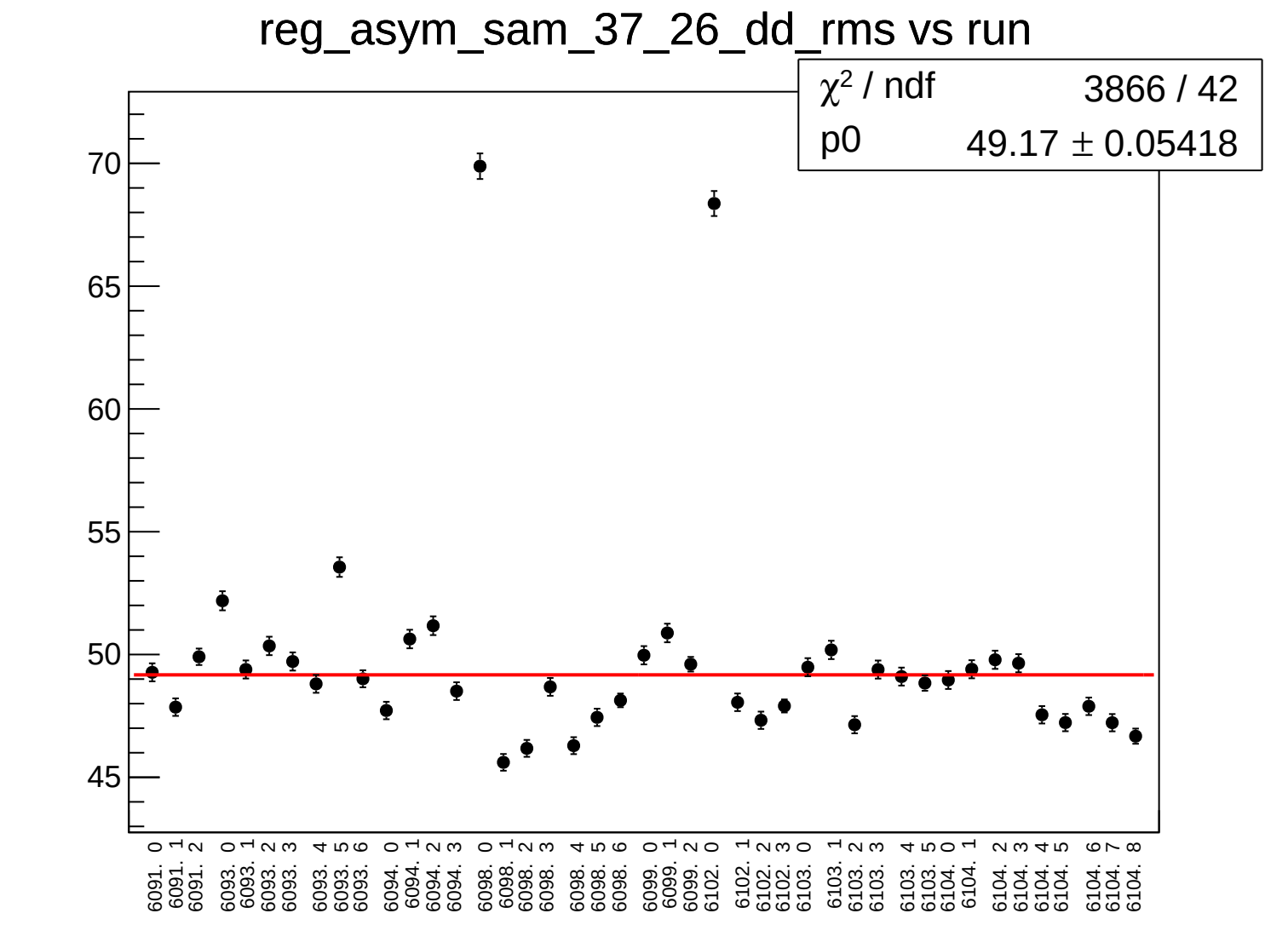
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

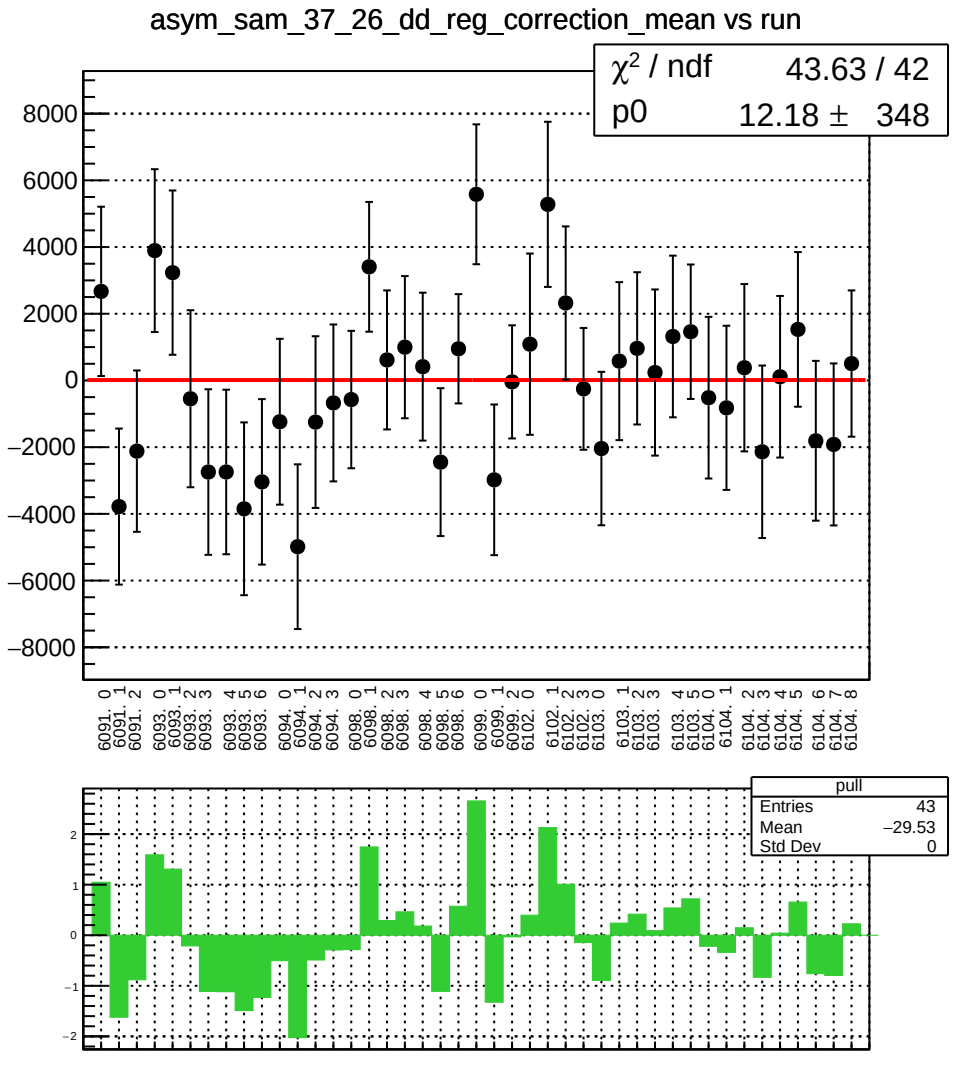

asym_sam_15_26_dd_eigen_cor_vs_cor_diff_mean vs run
×10−12
χ2 / ndf 45.56 / 42
p0 −8.685e−15 ± 3.523e−14
pull
Entries 43
Mean 9.805
Std Dev 0

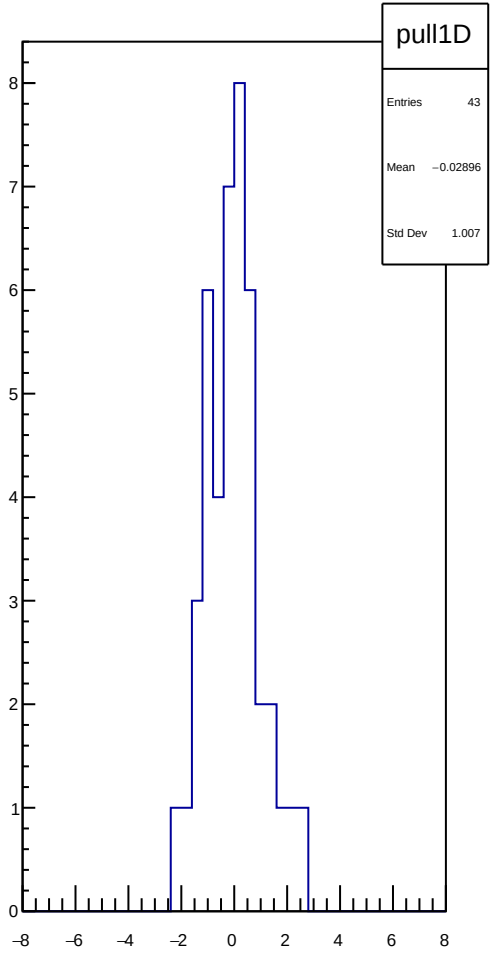

pull1D
Entries 43
Mean −0.125
Std Dev 1.022

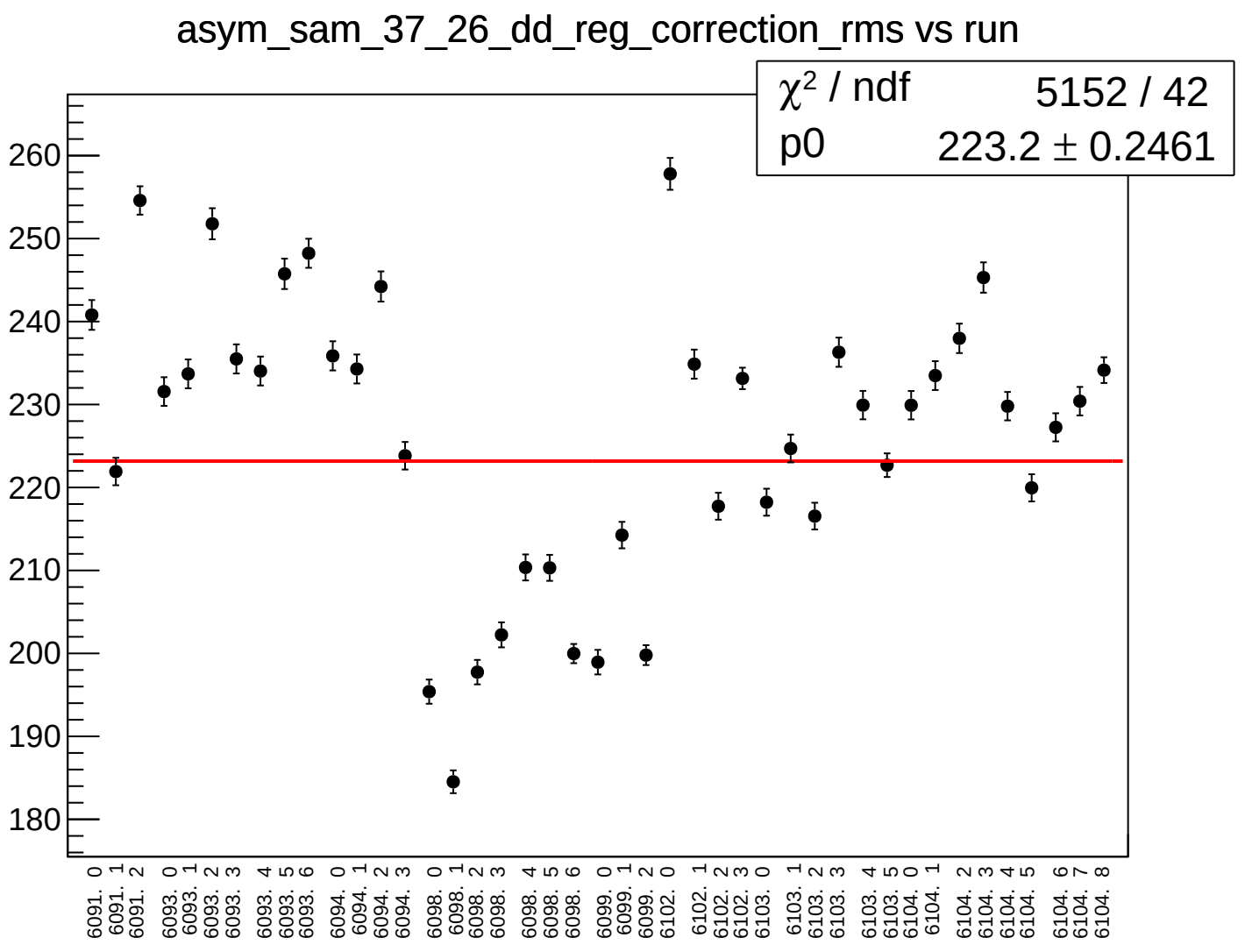

asym_sam_15_26_dd_eigen_cor_vs_cor_diff_rms vs run
×10⁻¹²
χ² / ndf 2.046e+05 / 42
p0 1.966e−11 ± 2.491e−14
90
80
70
60
50
40
30
20
10
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

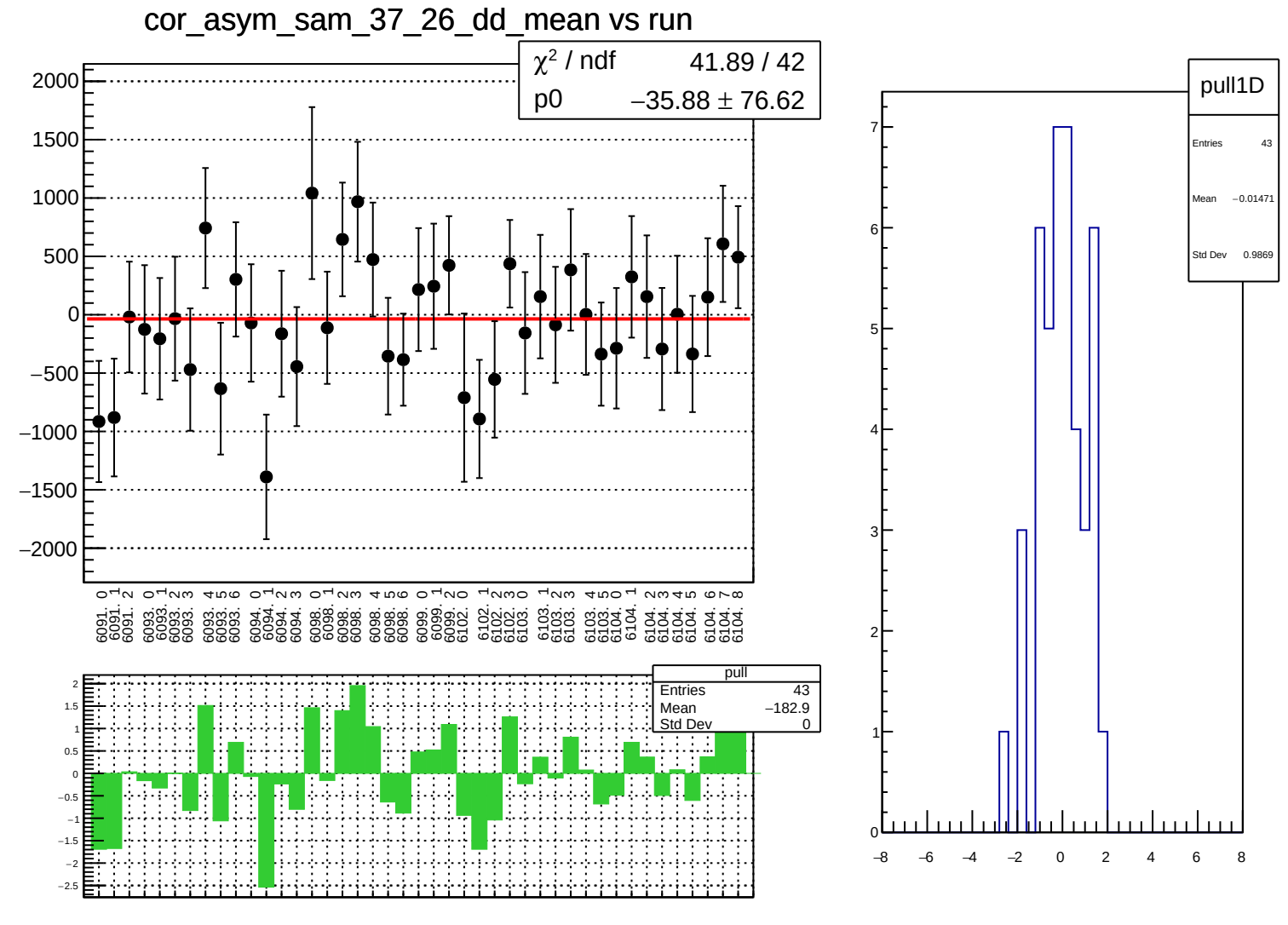

reg_asym_sam_37_26_dd_mean vs run
χ² / ndf 41.89 / 42
p0 −35.92 ± 76.62
pull
Entries 43
Mean −183
Std Dev 0
pull1D
Entries 43
Mean −0.01471
Std Dev 0.9869

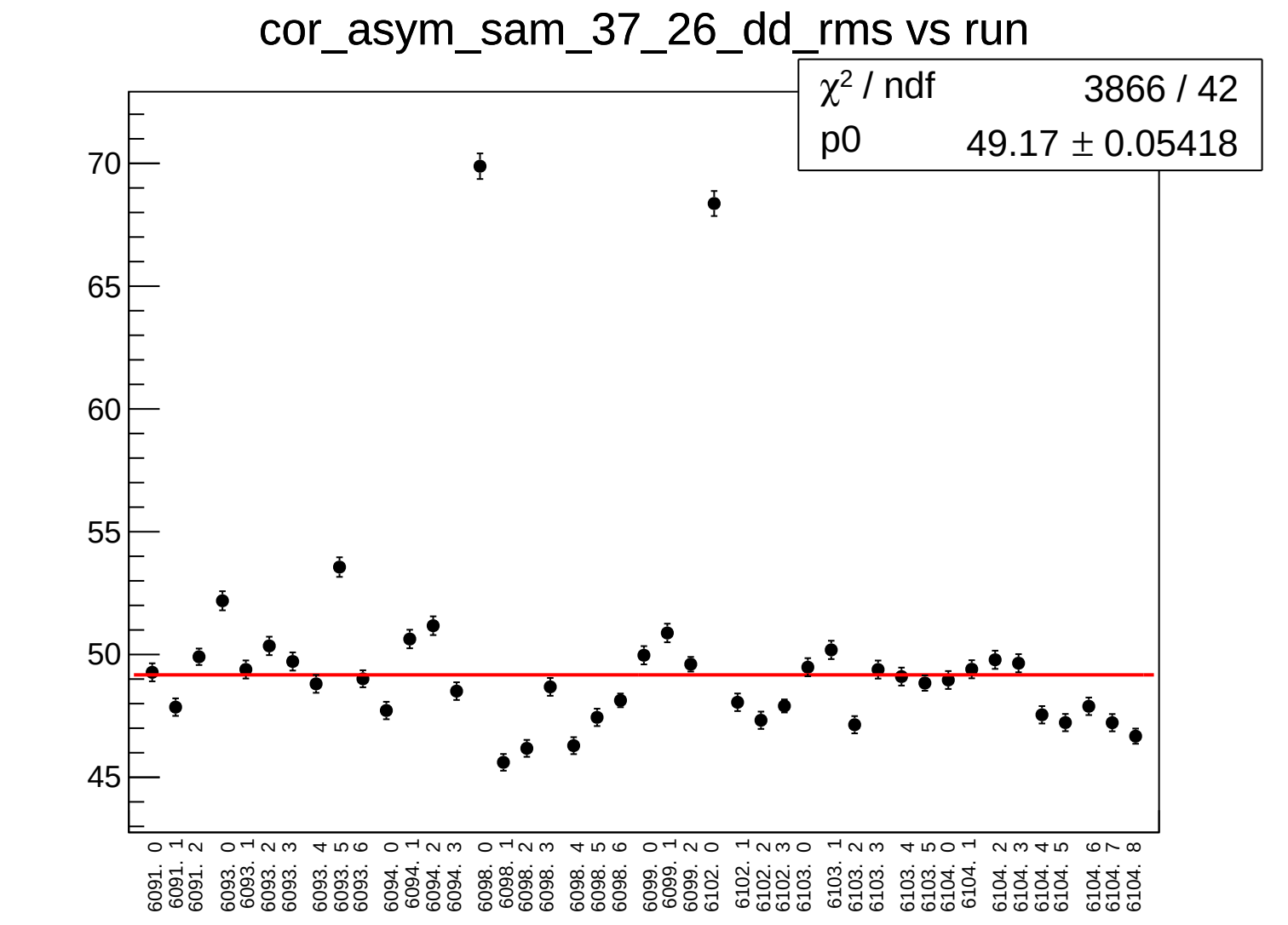

reg_asym_sam_37_26_dd_rms vs run
χ² / ndf 3866 / 42
p0 49.17 ± 0.05418
70
65
60
55
50
45
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

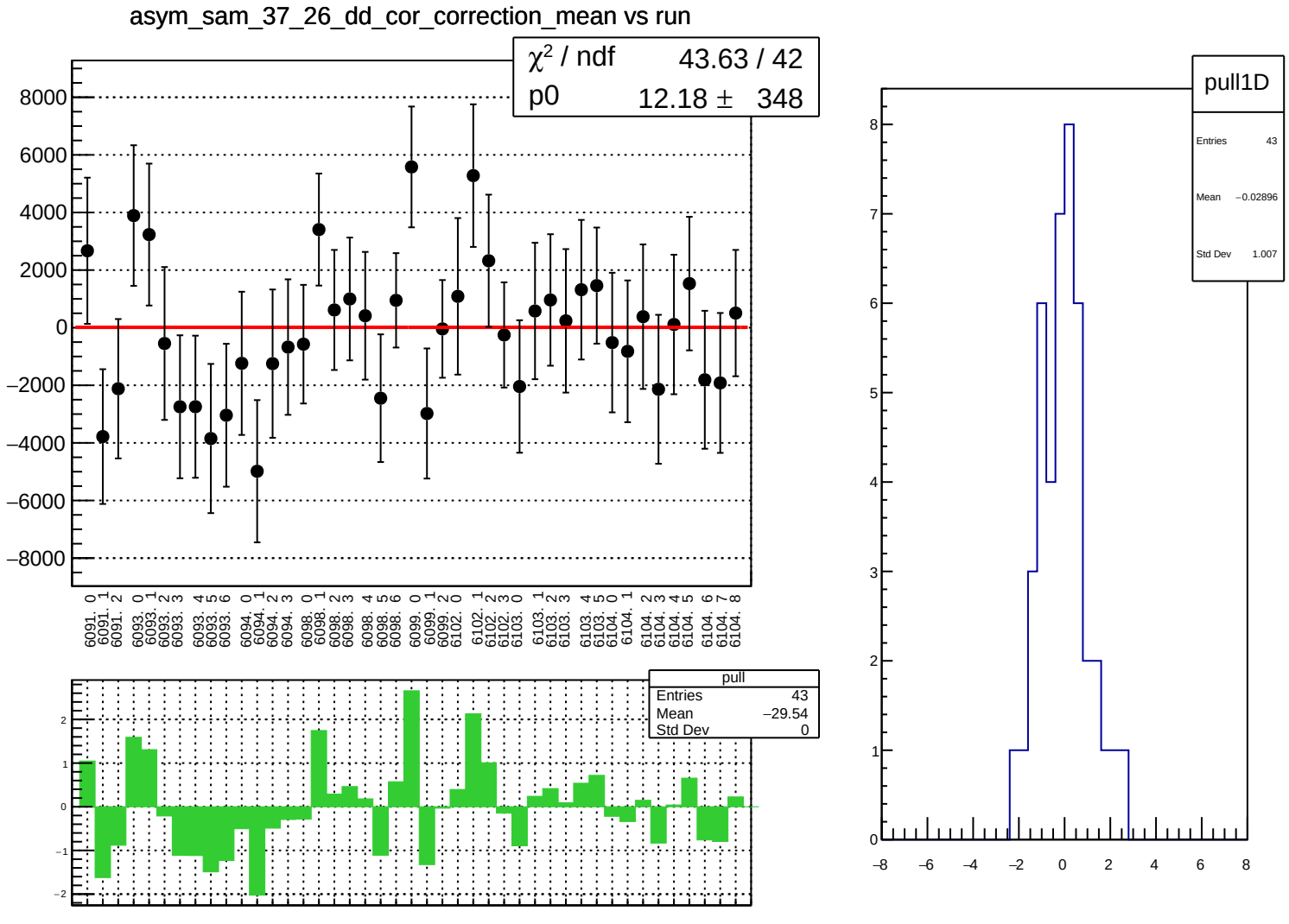

asym_sam_37_26_dd_reg_correction_mean vs run
χ² / ndf 43.63 / 42
p0 12.18 ± 348
8000
6000
4000
2000
0
−2000
−4000
−6000
−8000
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean −29.53
Std Dev 0
2
1
0
−1
−2

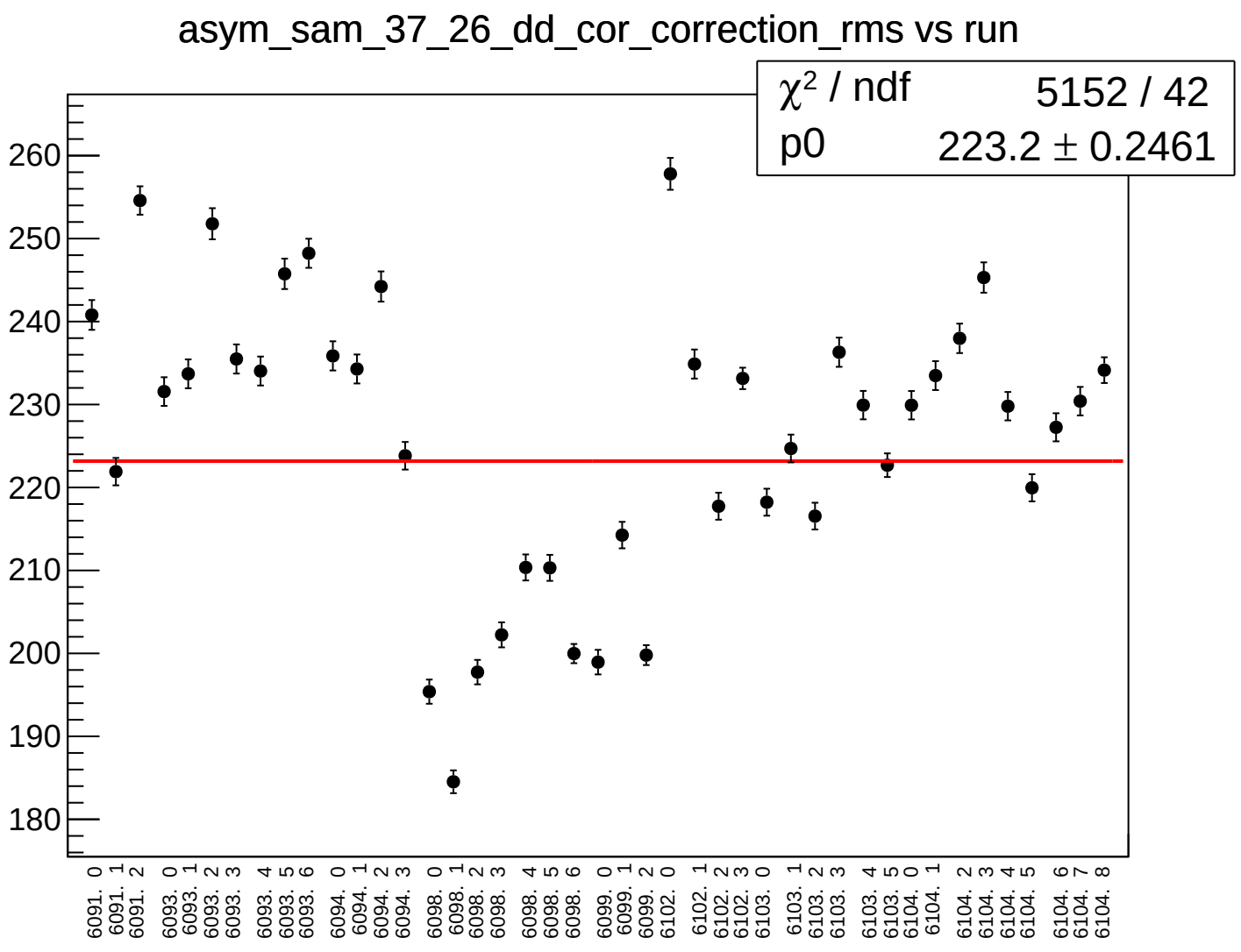

pull1D
Entries 43
Mean −0.02896
Std Dev 1.007
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

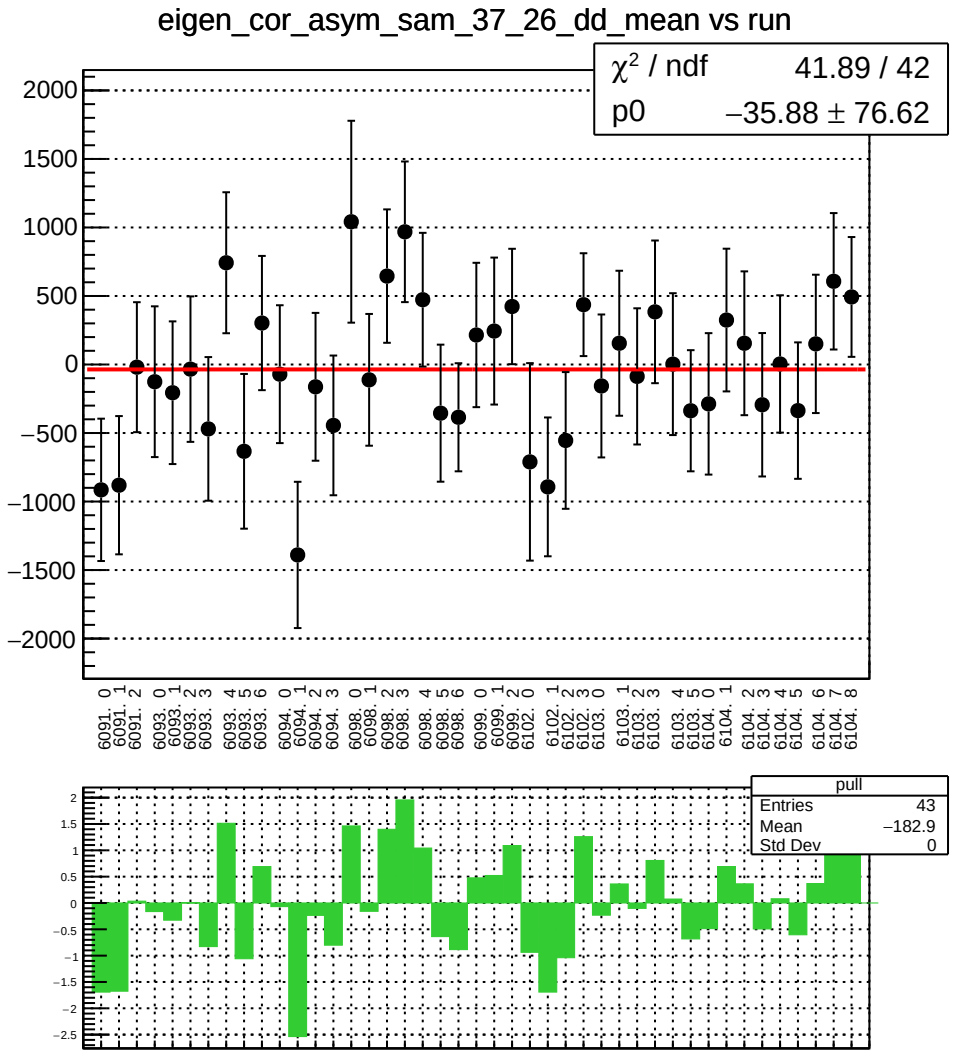

asym_sam_37_26_dd_reg_correction_rms vs run
χ² / ndf 5152 / 42
p0 223.2 ± 0.2461
260
250
240
230
220
210
200
190
180
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

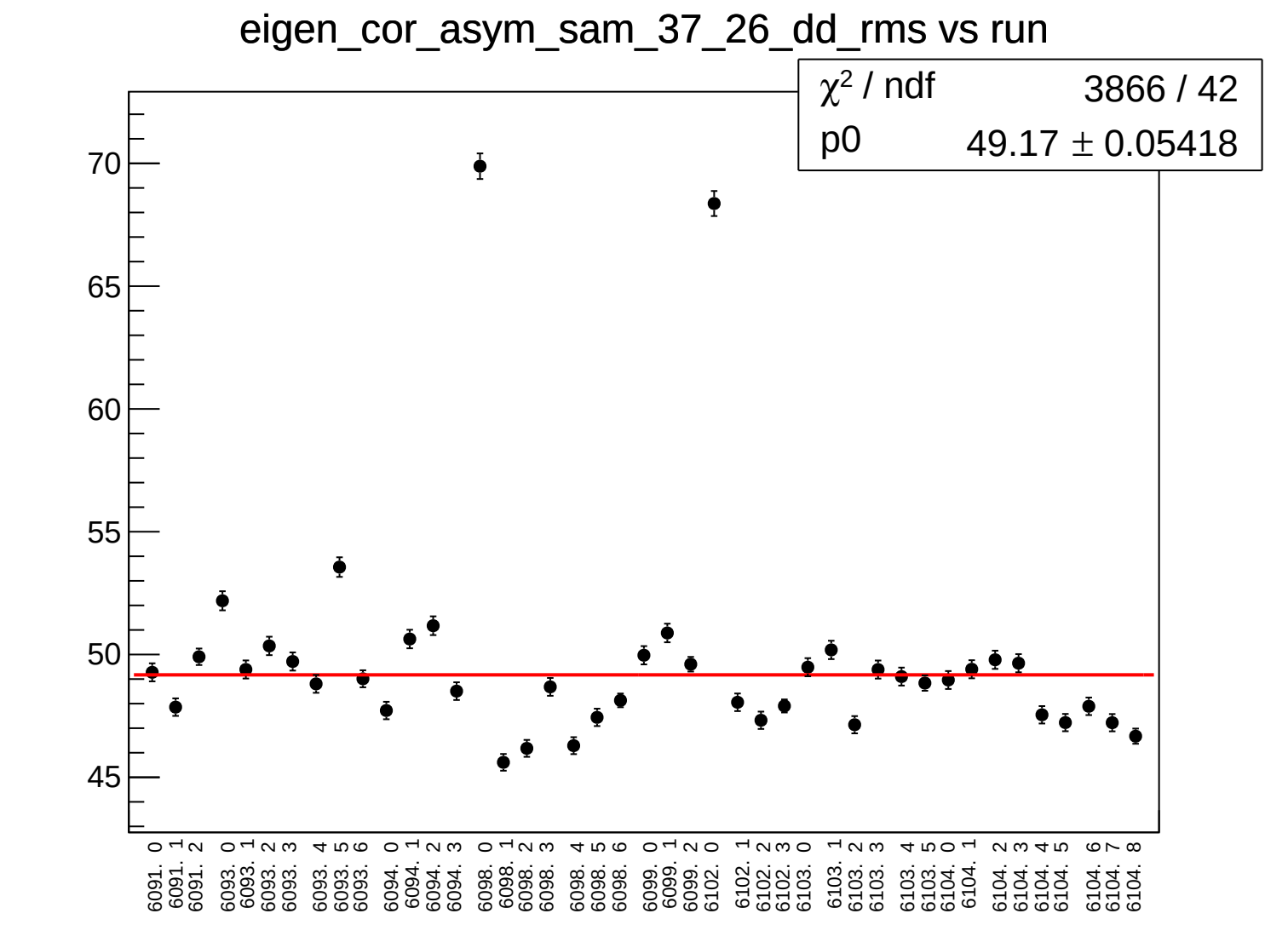

cor_asym_sam_37_26_dd_mean vs run
χ² / ndf 41.89 / 42
p0 −35.88 ± 76.62
2000
1500
1000
500
0
−500
−1000
−1500
−2000
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean −182.9
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5
pull1D
Entries 43
Mean −0.01471
Std Dev 0.9869
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

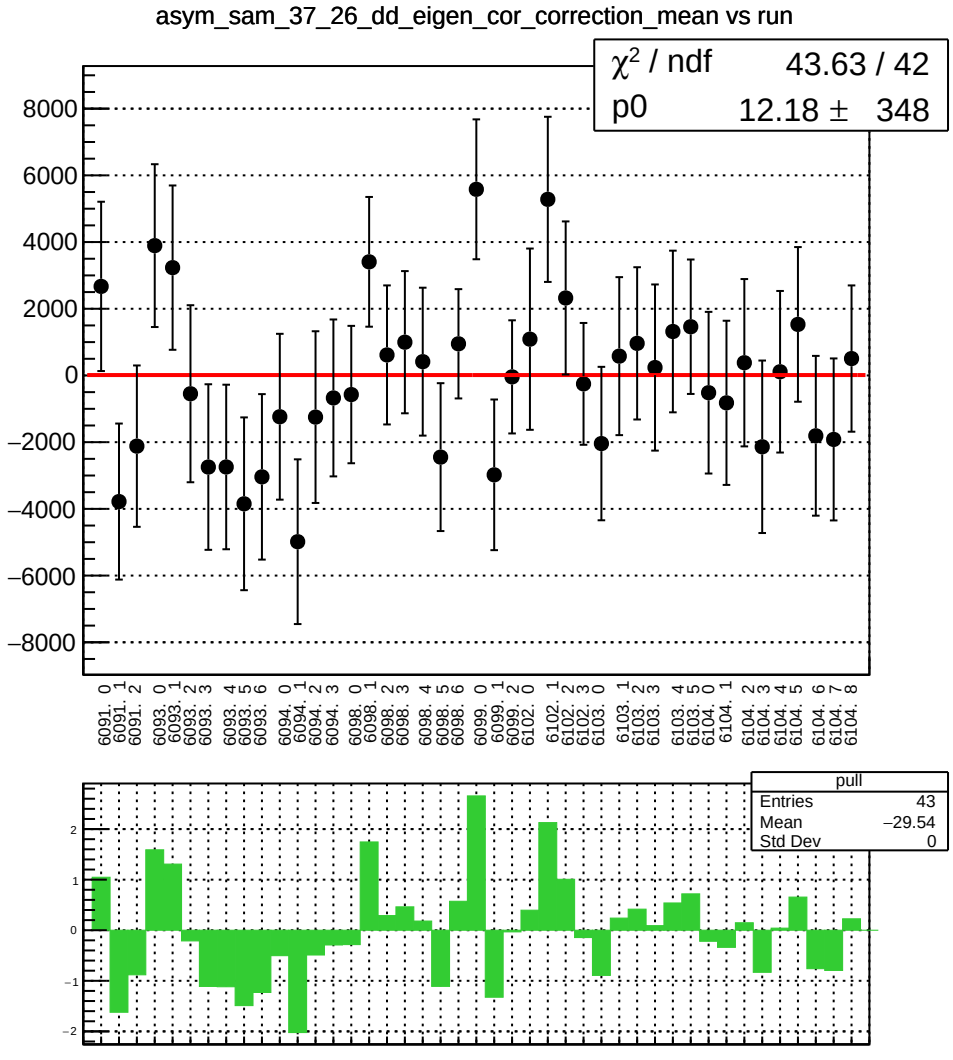

cor_asym_sam_37_26_dd_rms vs run
χ² / ndf 3866 / 42
p0 49.17 ± 0.05418
70
65
60
55
50
45
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

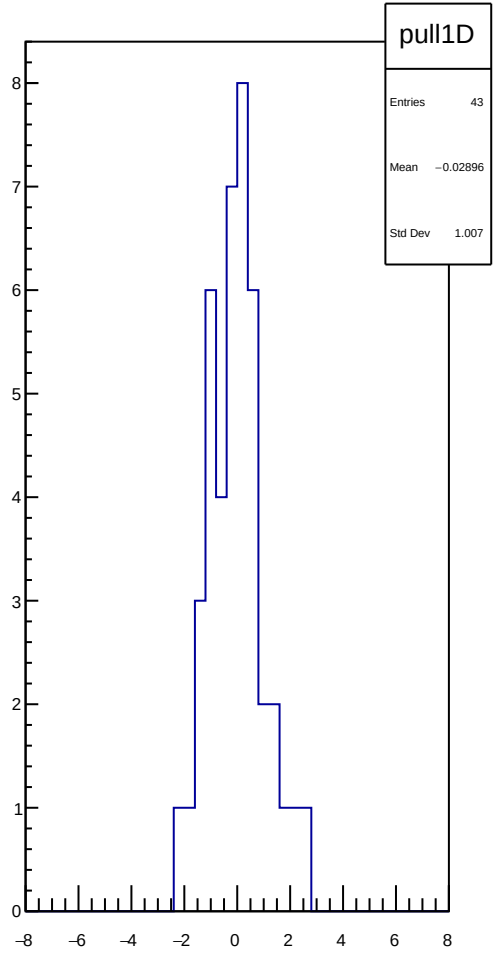

asym_sam_37_26_dd_cor_correction_mean vs run
χ² / ndf 43.63 / 42
p0 12.18 ± 348
8000
6000
4000
2000
0
−2000
−4000
−6000
−8000
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean −29.54
Std Dev 0
2
1
0
−1
−2
pull1D
Entries 43
Mean −0.02896
Std Dev 1.007
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

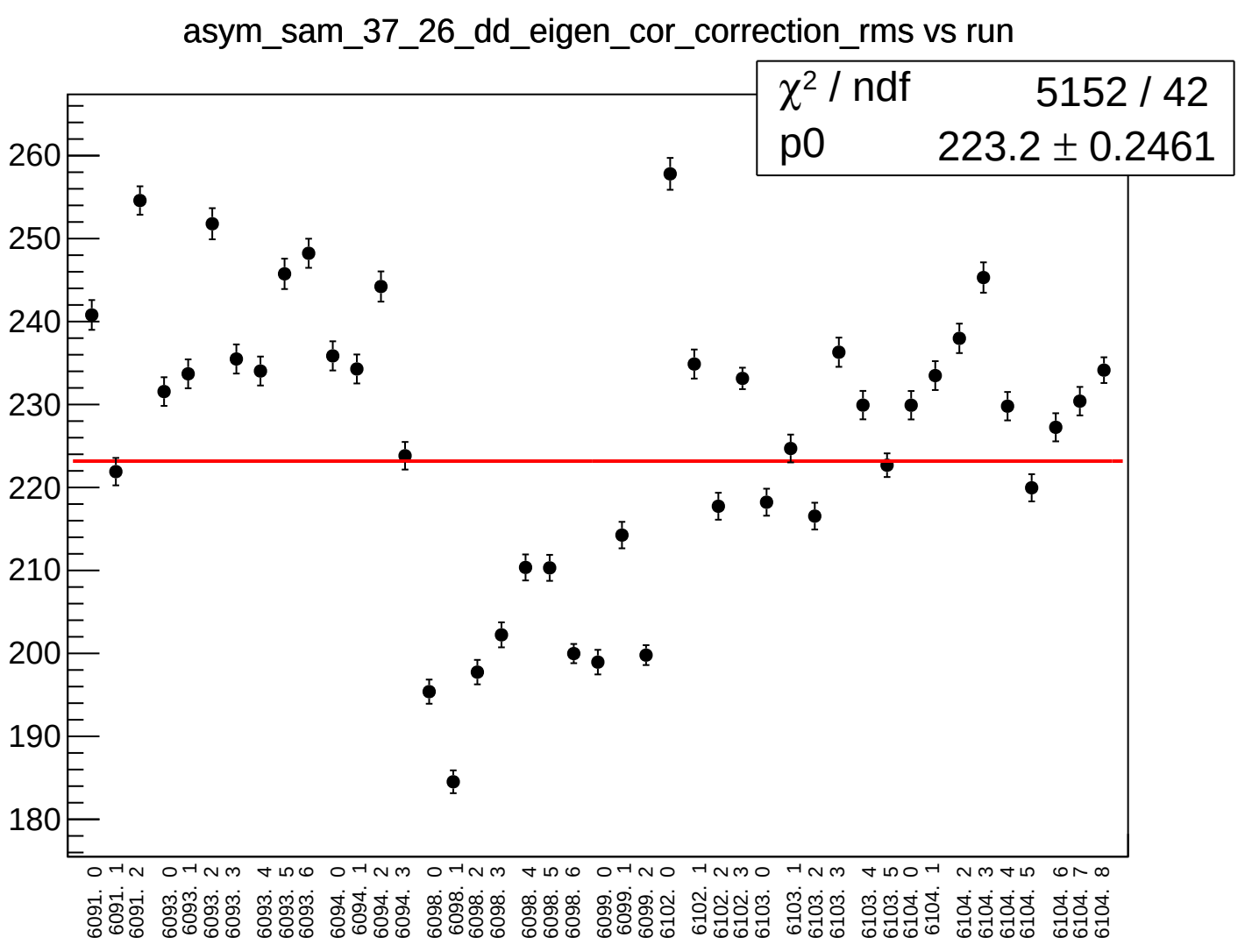

asym_sam_37_26_dd_cor_correction_rms vs run
χ² / ndf 5152 / 42
p0 223.2 ± 0.2461
260
250
240
230
220
210
200
190
180
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

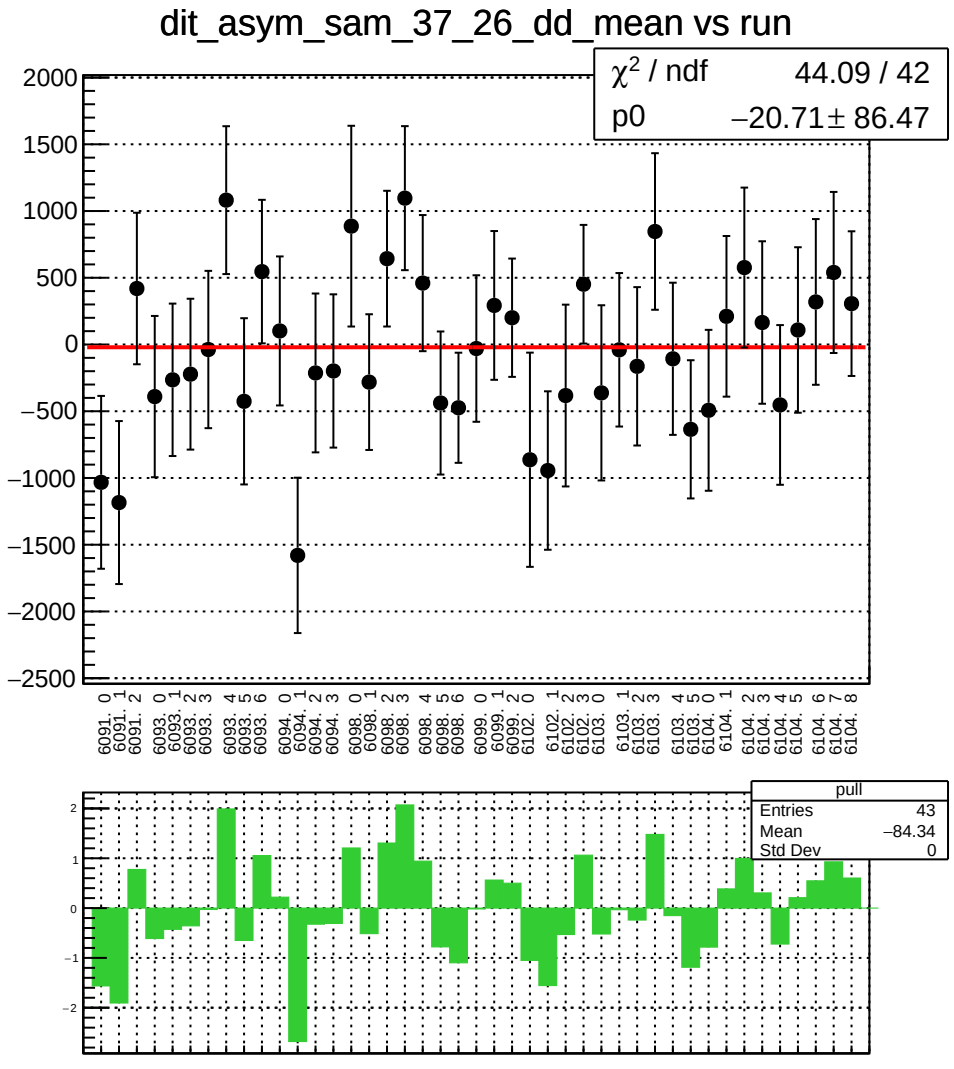

eigen_cor_asym_sam_37_26_dd_mean vs run
χ² / ndf 41.89 / 42
p0 −35.88 ± 76.62
pull
Entries 43
Mean −182.9
Std Dev 0
pull1D
Entries 43
Mean −0.01471
Std Dev 0.9869

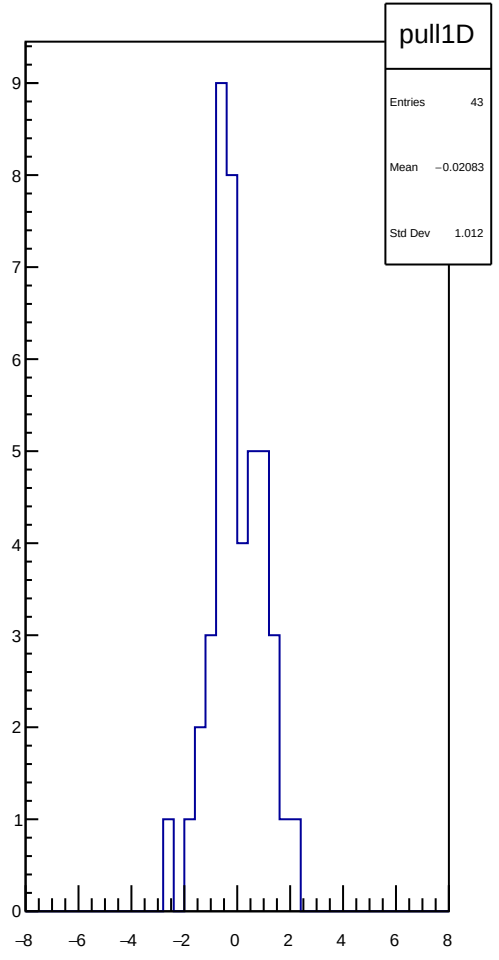

eigen_cor_asym_sam_37_26_dd_rms vs run
χ² / ndf 3866 / 42
p0 49.17 ± 0.05418
70
65
60
55
50
45
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

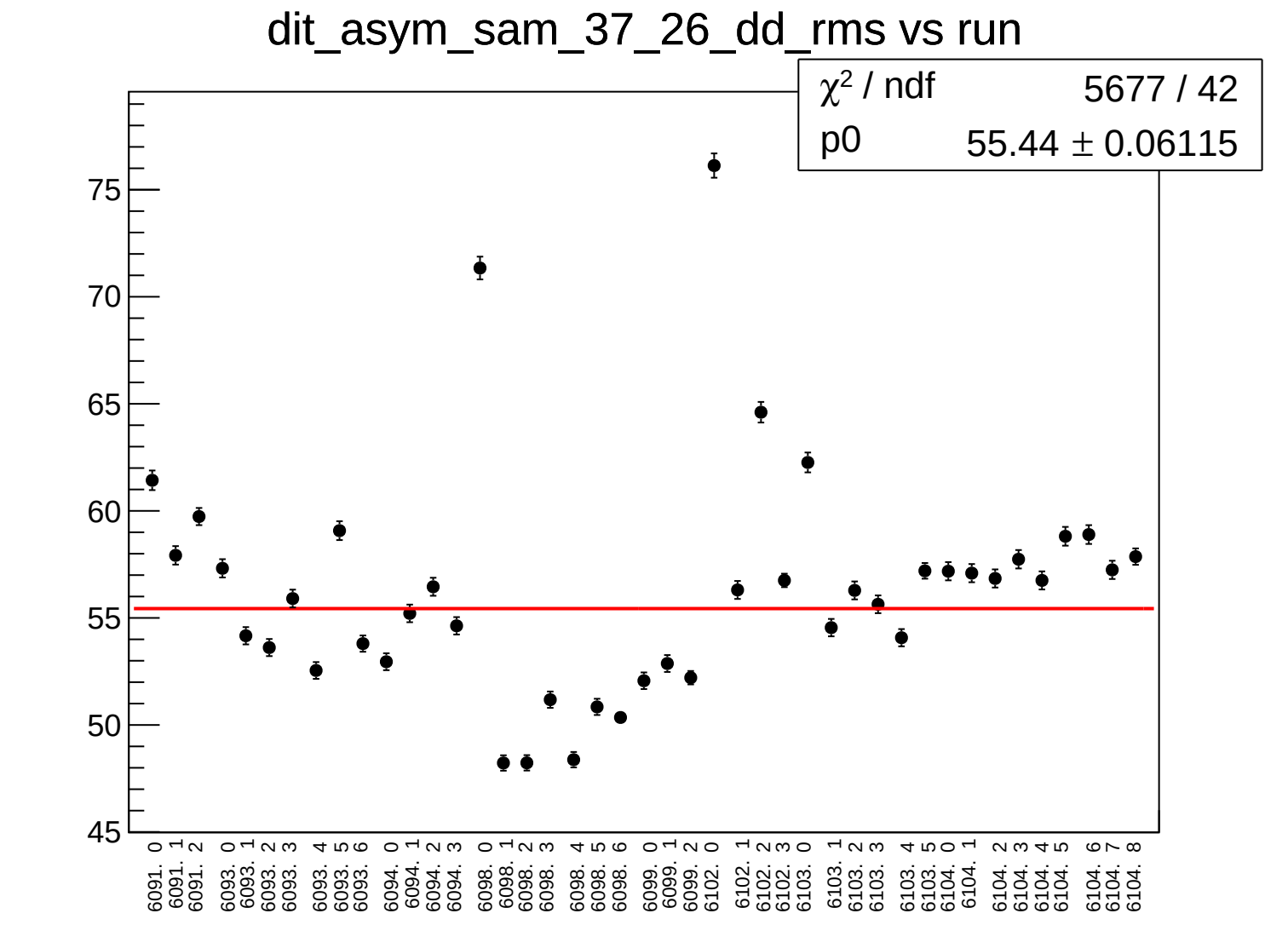

asym_sam_37_26_dd_eigen_cor_correction_mean vs run
χ² / ndf 43.63 / 42
p0 12.18 ± 348
8000
6000
4000
2000
0
−2000
−4000
−6000
−8000
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean −29.54
Std Dev 0
2
1
0
−1
−2

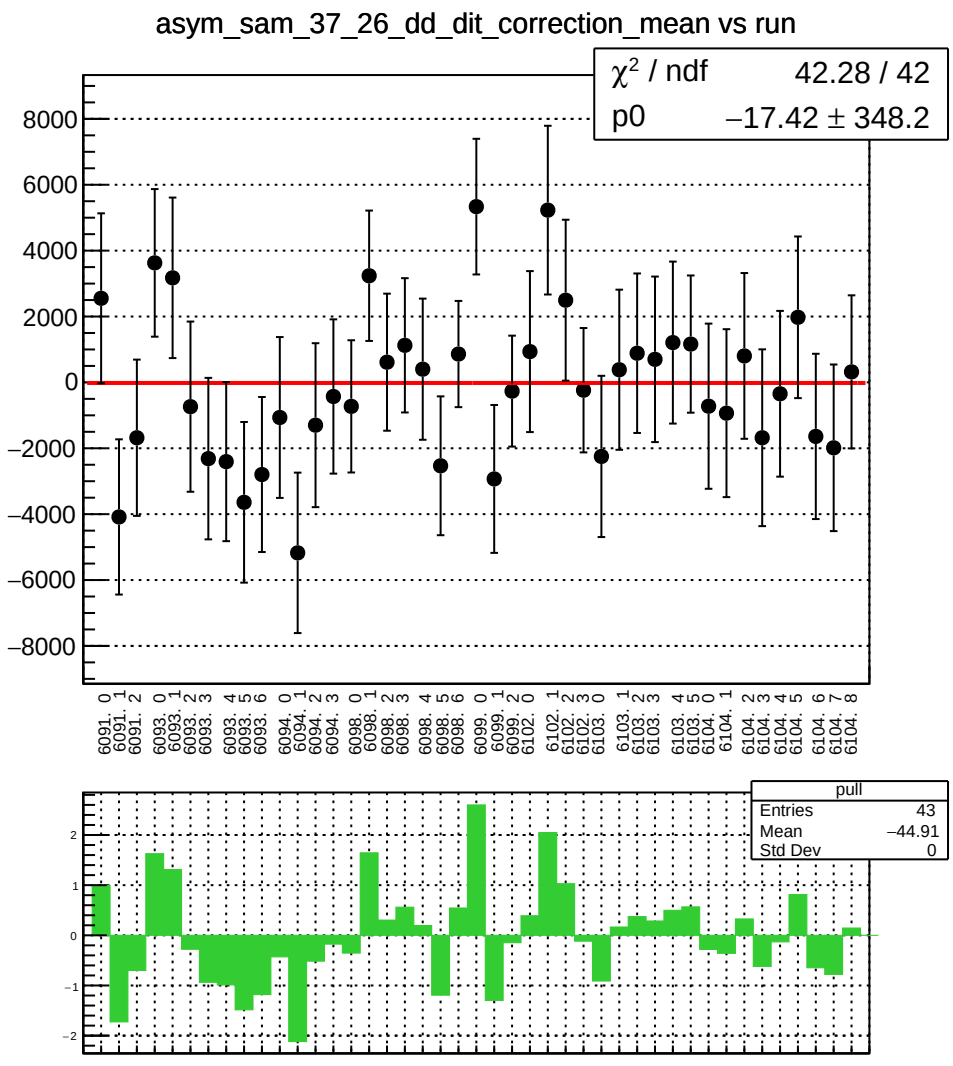

pull1D
Entries 43
Mean −0.02896
Std Dev 1.007
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

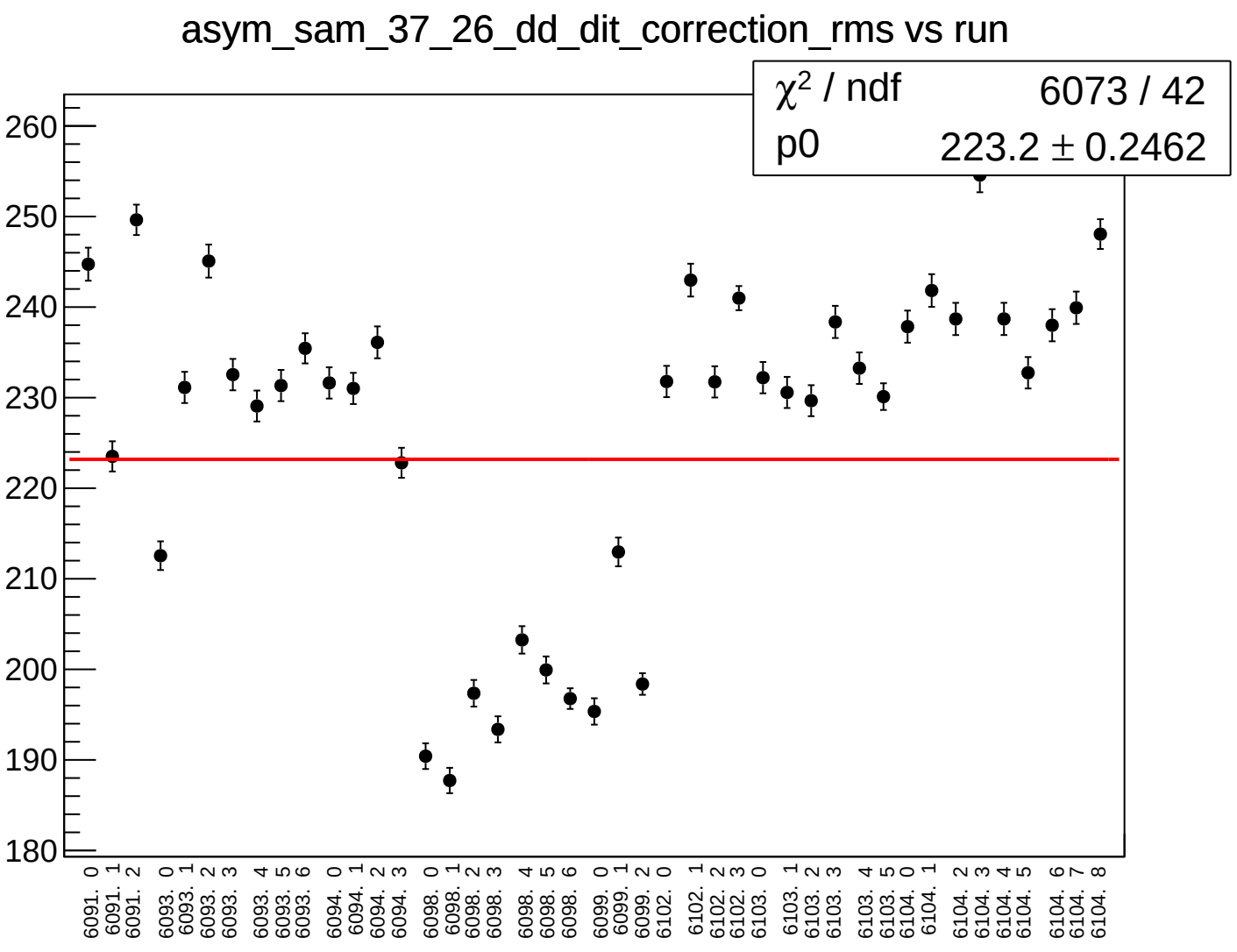

asym_sam_37_26_dd_eigen_cor_correction_rms vs run
χ² / ndf 5152 / 42
p0 223.2 ± 0.2461
260
250
240
230
220
210
200
190
180
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

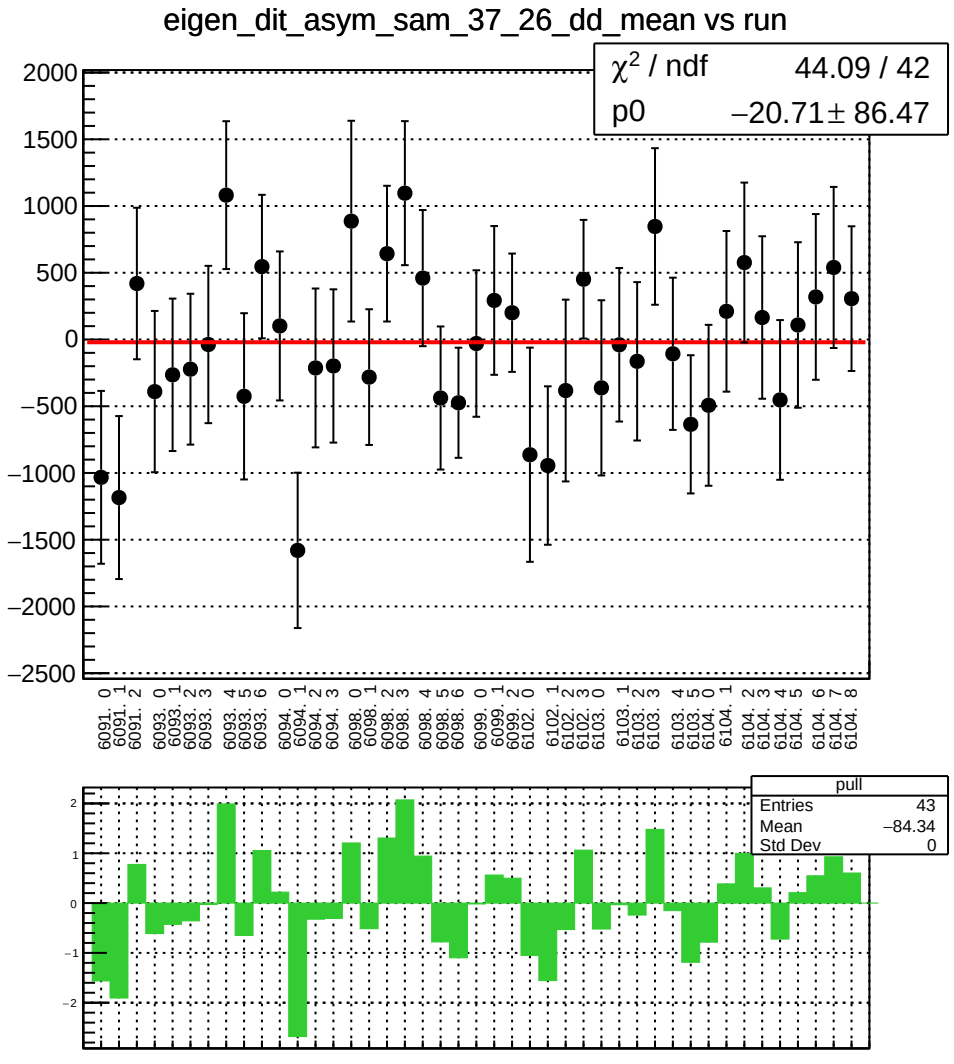

dit_asym_sam_37_26_dd_mean vs run
χ² / ndf 44.09 / 42
p0 −20.71 ± 86.47
pull
Entries 43
Mean −84.34
Std Dev 0

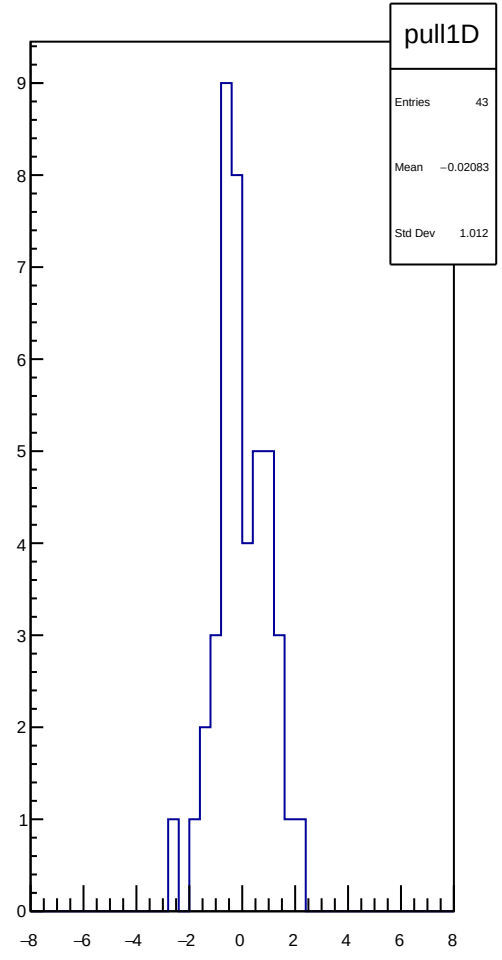

pull1D
Entries 43
Mean −0.02083
Std Dev 1.012

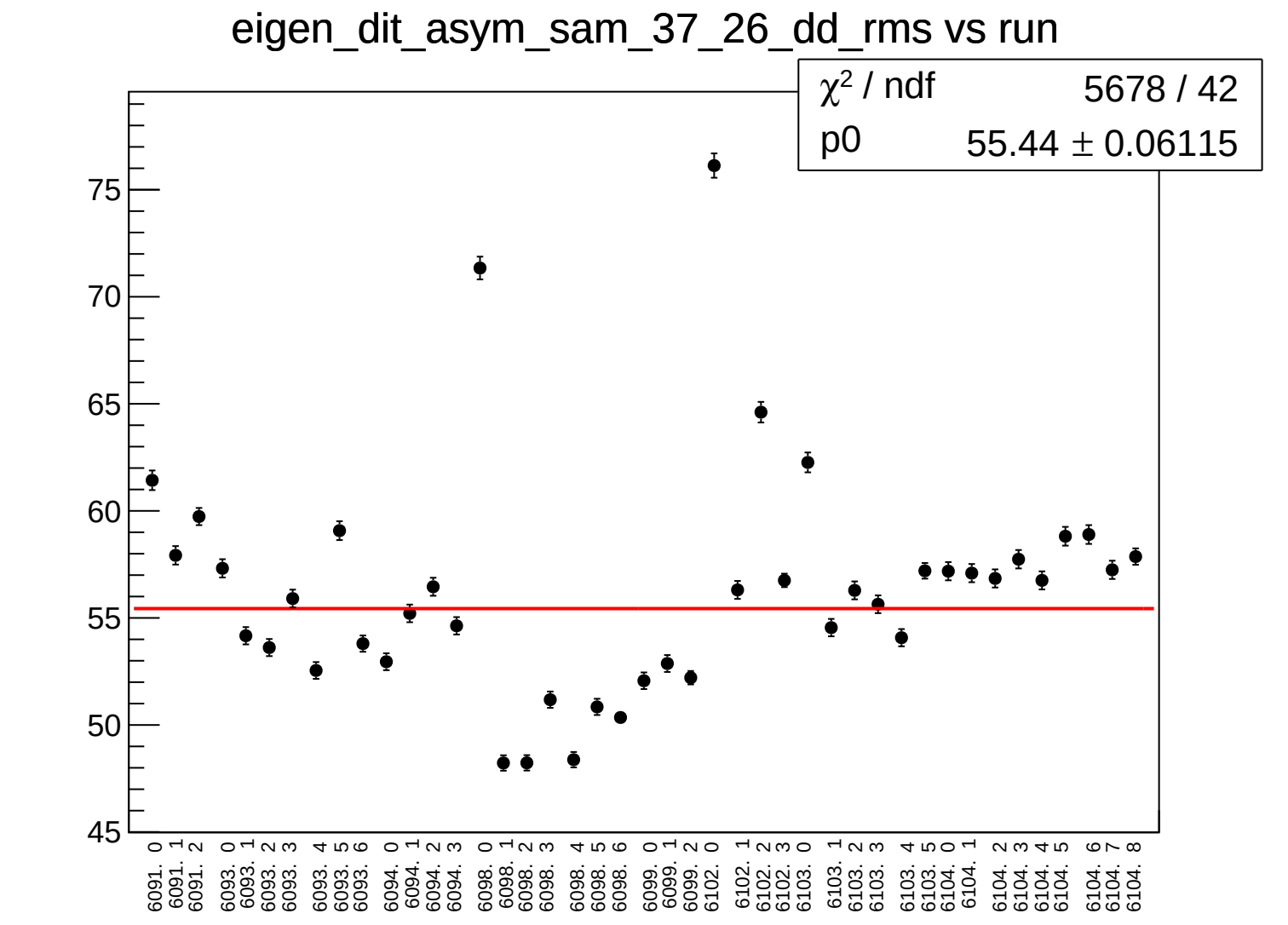

dit_asym_sam_37_26_dd_rms vs run
χ² / ndf 5677 / 42
p0 55.44 ± 0.06115
75
70
65
60
55
50
45
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

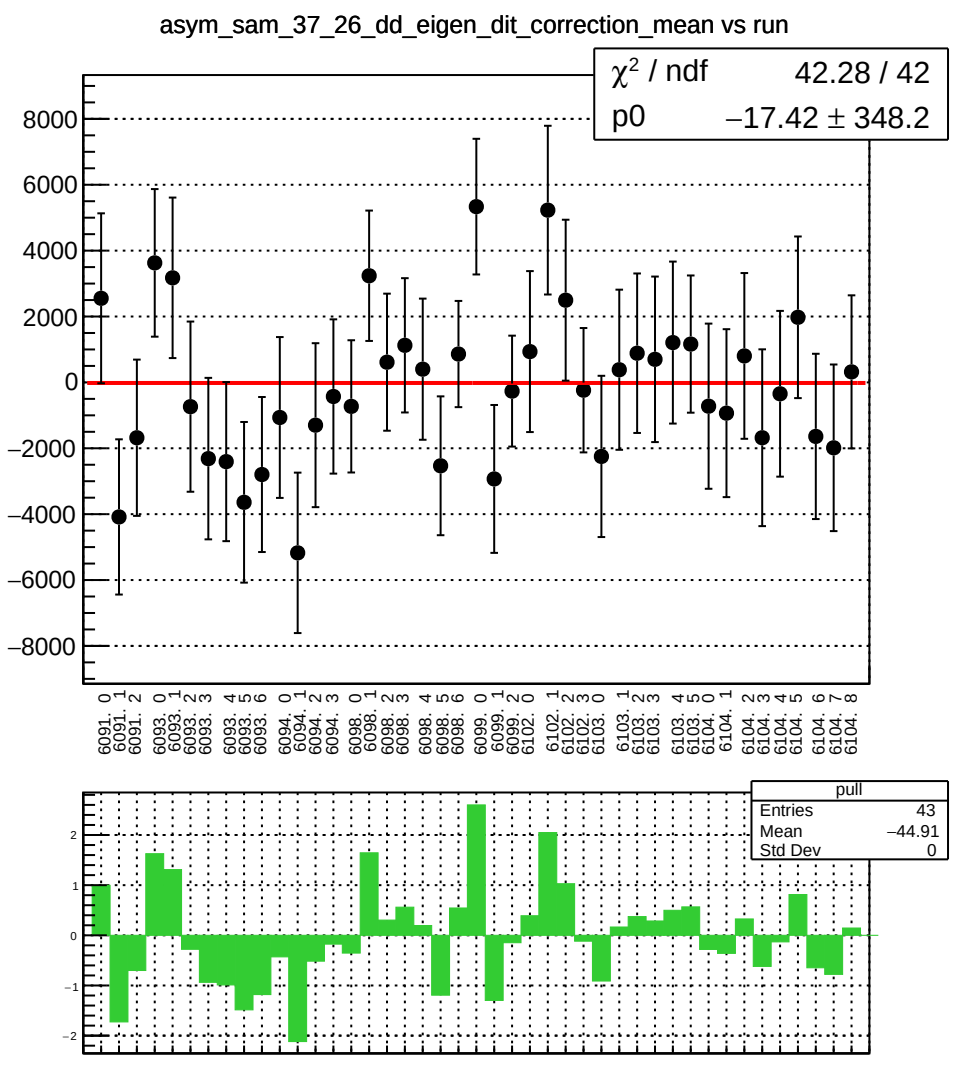

asym_sam_37_26_dd_dit_correction_mean vs run
χ² / ndf 42.28 / 42
p0 −17.42 ± 348.2
8000
6000
4000
2000
0
−2000
−4000
−6000
−8000
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean −44.91
Std Dev 0
2
1
0
−1
−2
pull1D
Entries 43
Mean −0.02199
Std Dev 0.9913
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

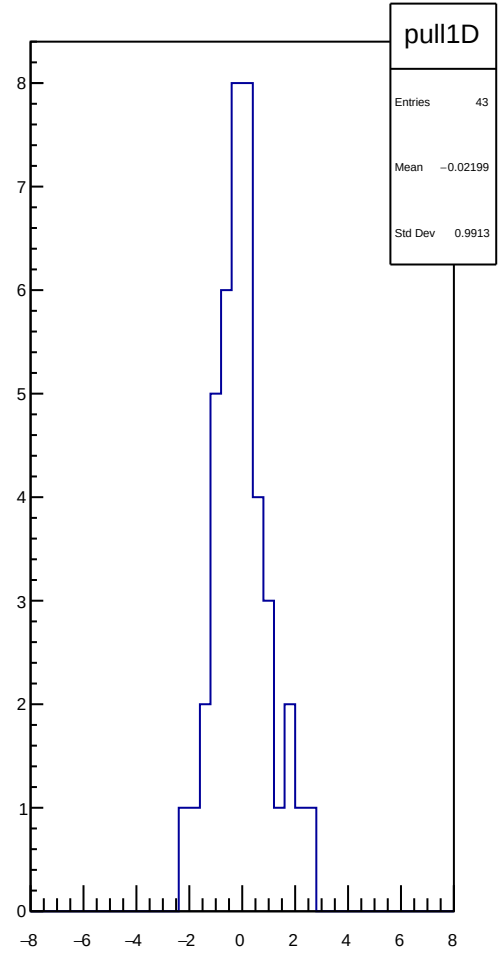

asym_sam_37_26_dd_dit_correction_rms vs run
χ² / ndf 6073 / 42
p0 223.2 ± 0.2462
260
250
240
230
220
210
200
190
180
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

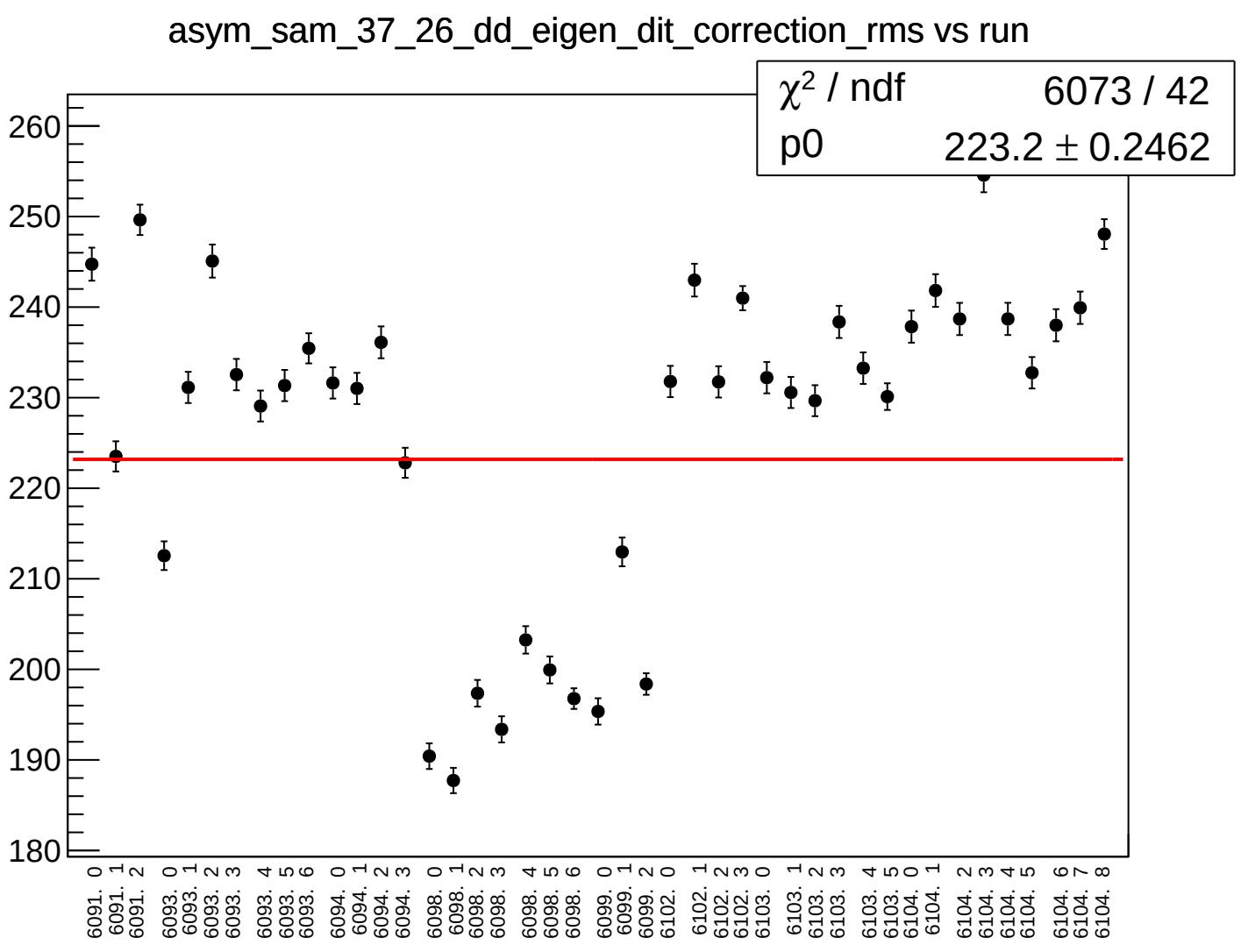

eigen_dit_asym_sam_37_26_dd_mean vs run
χ² / ndf 44.09 / 42
p0 −20.71± 86.47
2000
1500
1000
500
0
−500
−1000
−1500
−2000
−2500
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean −84.34
Std Dev 0
2
1
0
−1
−2

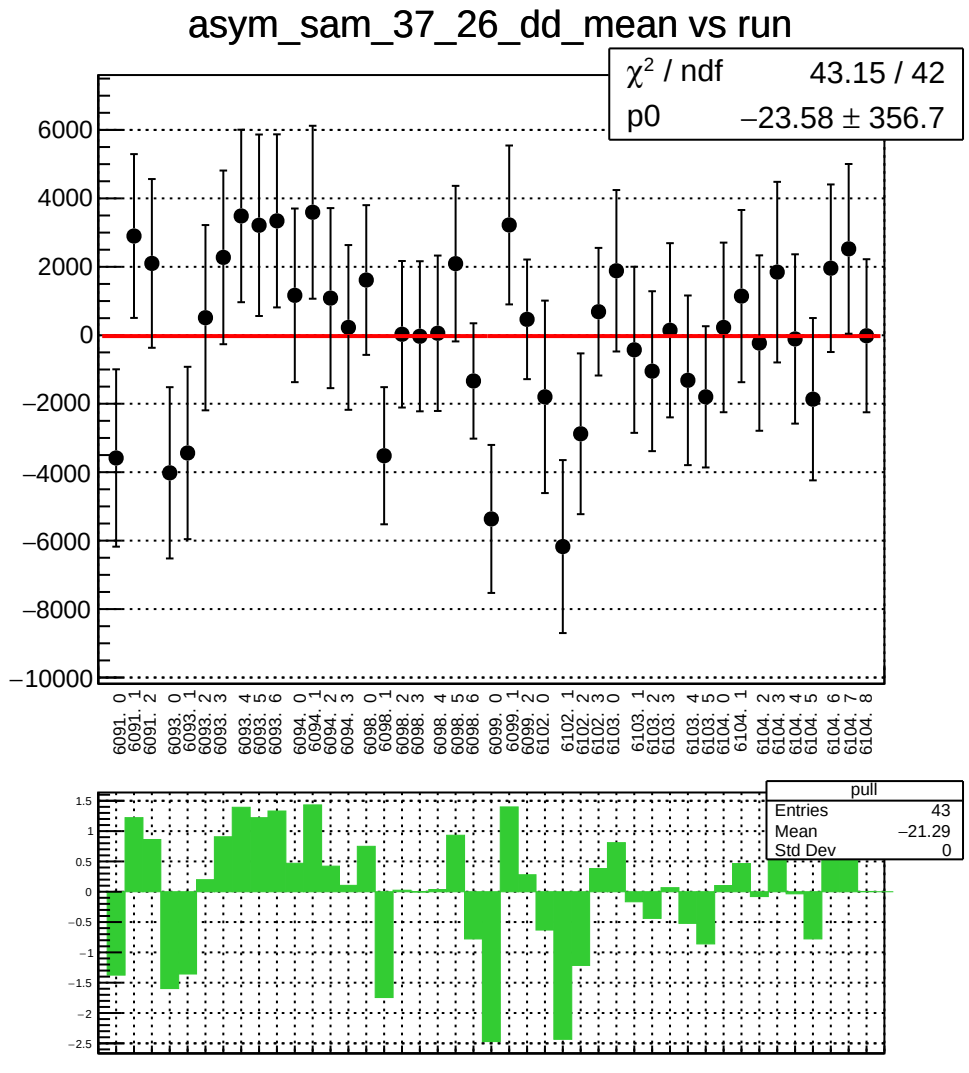

pull1D
Entries 43
Mean −0.02083
Std Dev 1.012
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

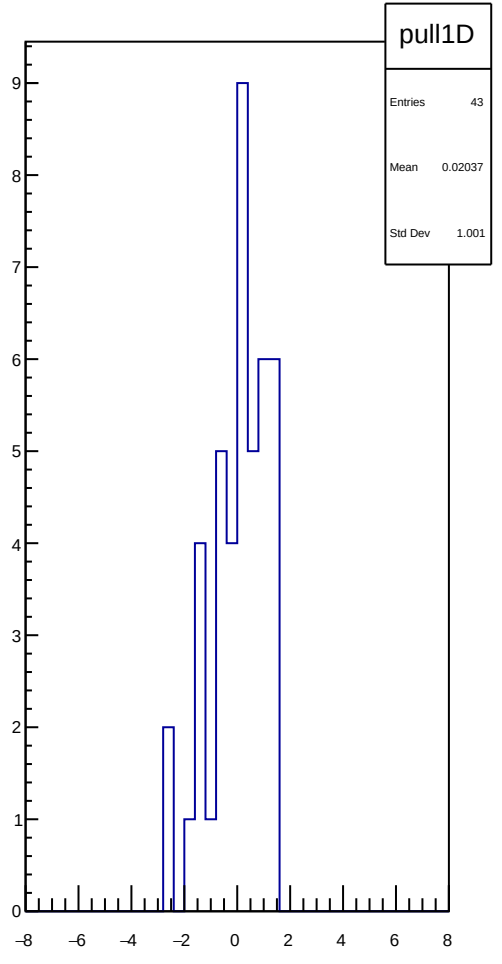

eigen_dit_asym_sam_37_26_dd_rms vs run
χ² / ndf 5678 / 42
p0 55.44 ± 0.06115
75
70
65
60
55
50
45
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

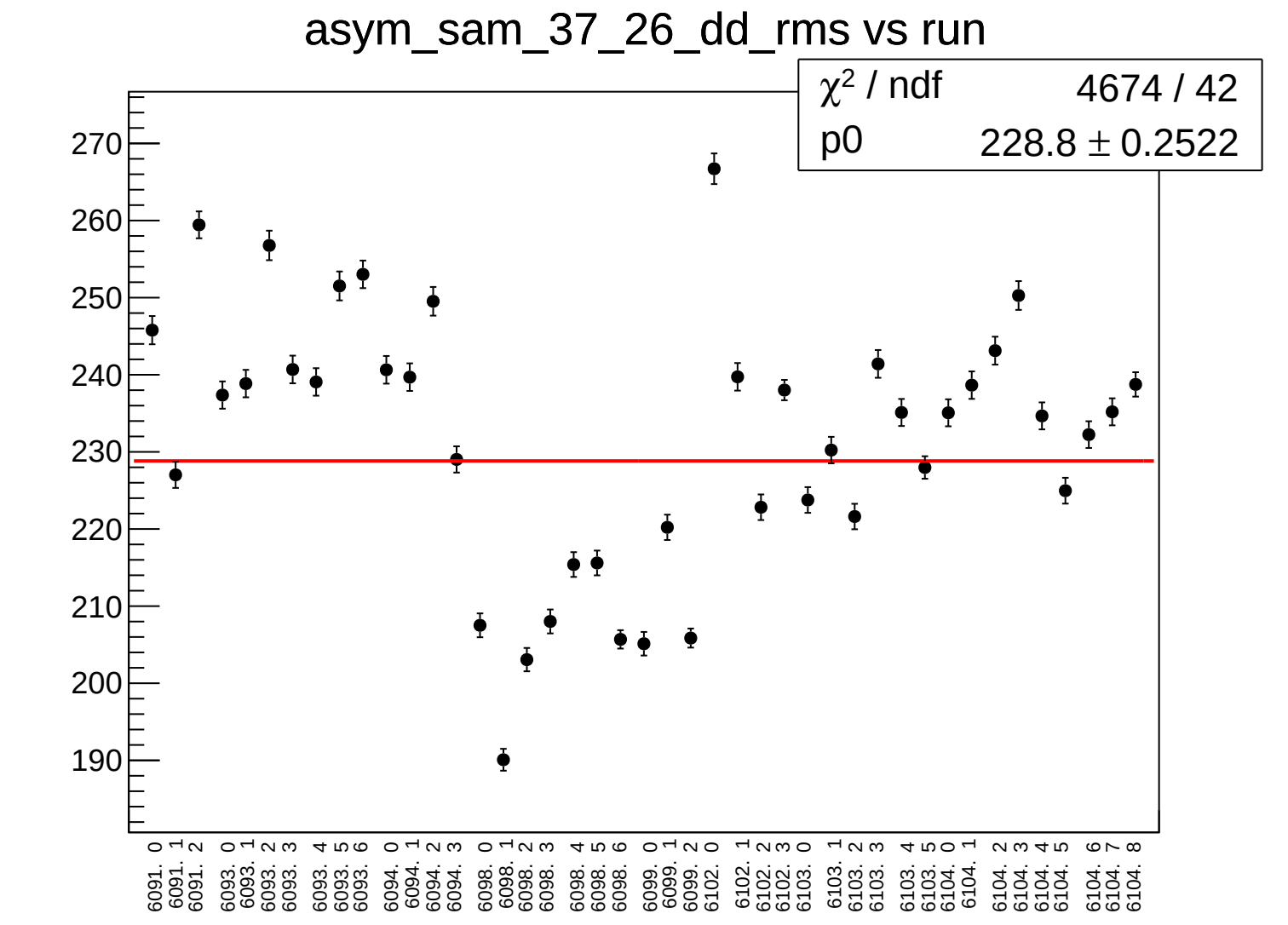

asym_sam_37_26_dd_eigen_dit_correction_mean vs run
χ² / ndf 42.28 / 42
p0 −17.42 ± 348.2
8000
6000
4000
2000
0
−2000
−4000
−6000
−8000
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean −44.91
Std Dev 0
2
1
0
−1
−2

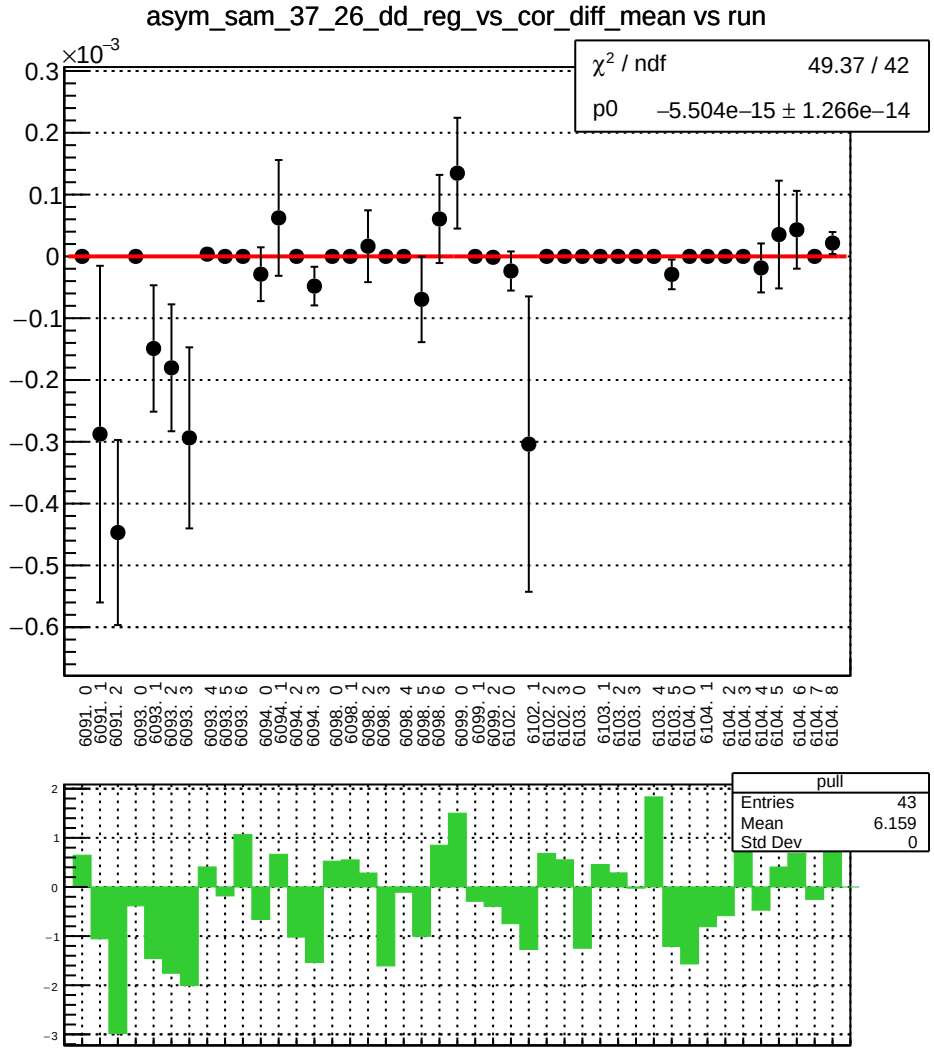

pull1D
Entries 43
Mean −0.02199
Std Dev 0.9913
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

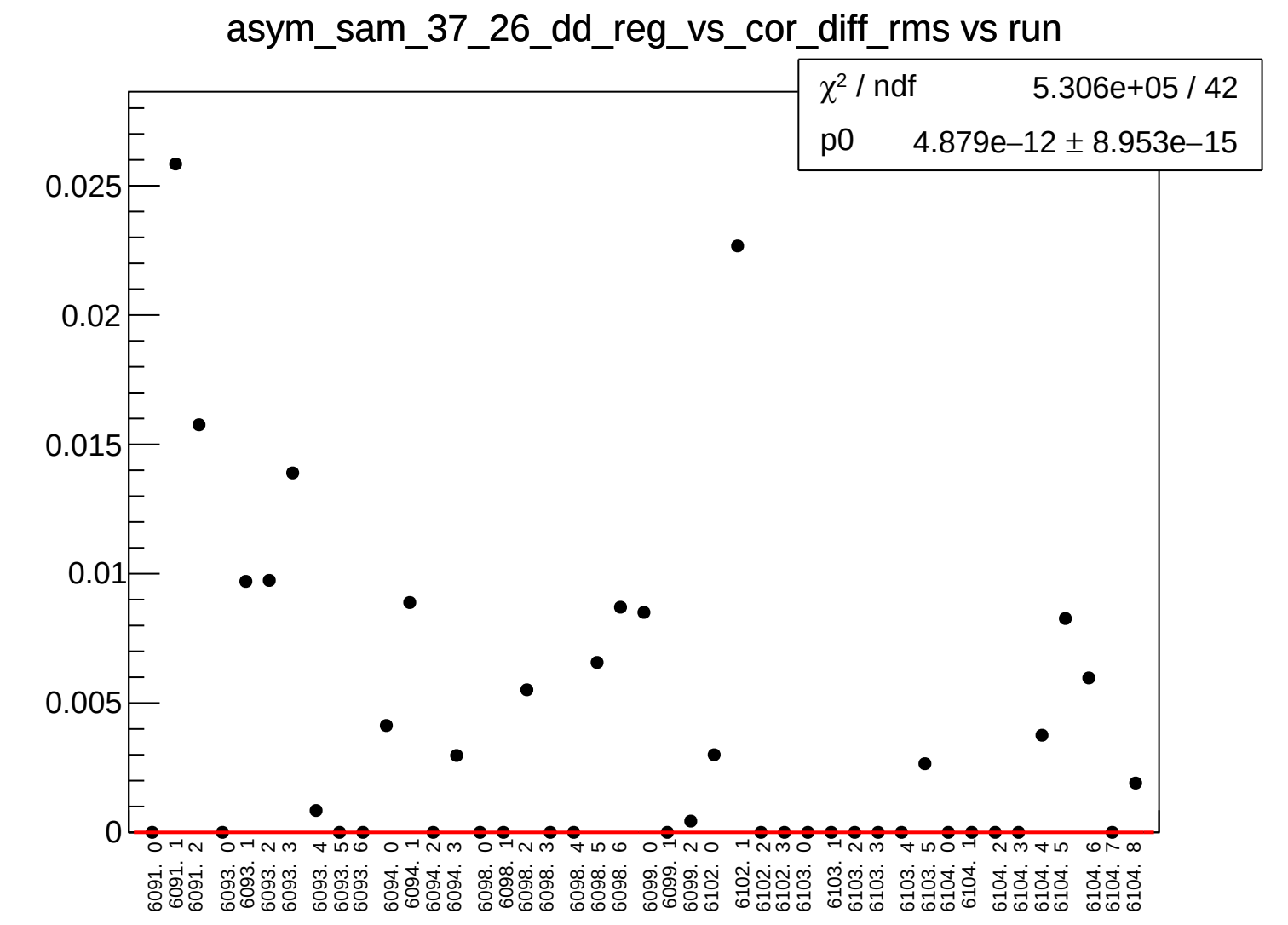

asym_sam_37_26_dd_eigen_dit_correction_rms vs run
χ² / ndf 6073 / 42
p0 223.2 ± 0.2462
260
250
240
230
220
210
200
190
180
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

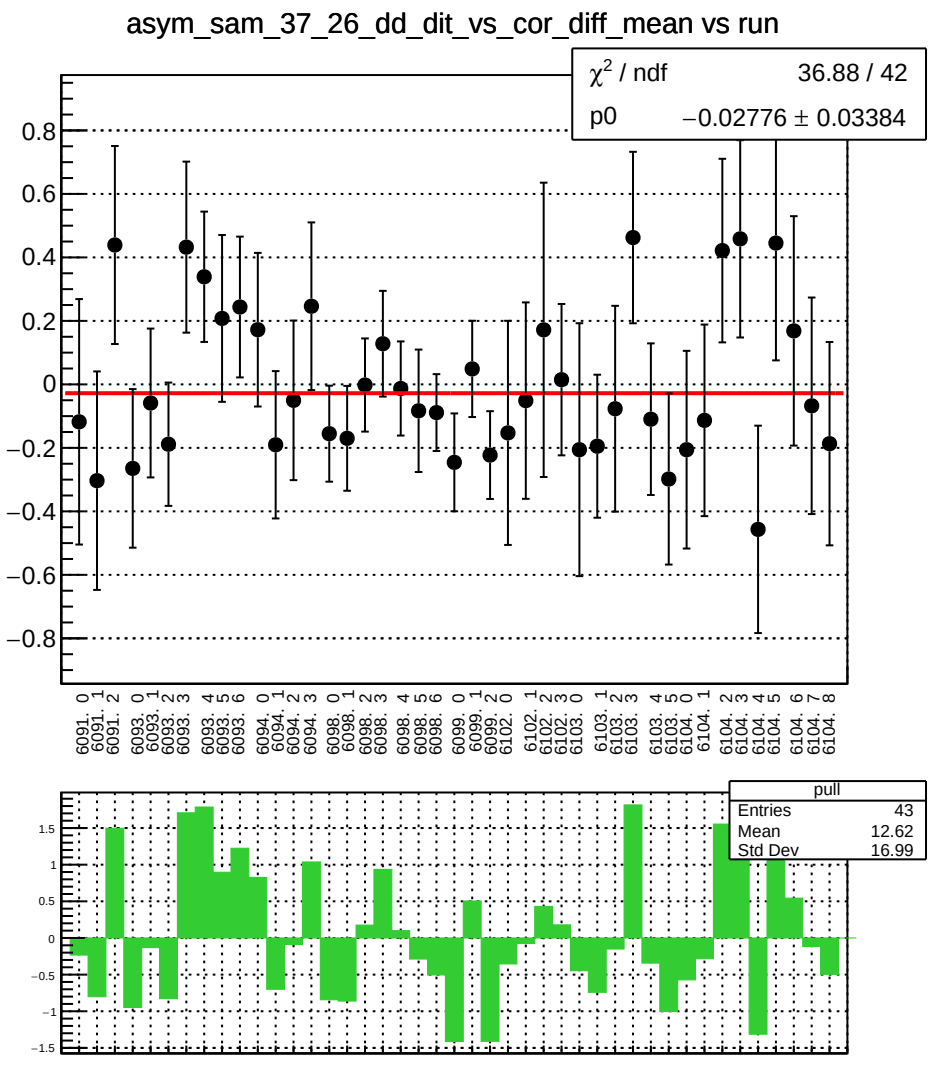

asym_sam_37_26_dd_mean vs run
χ^2 / ndf 43.15 / 42
p0 −23.58 ± 356.7
6000
4000
2000
0
−2000
−4000
−6000
−8000
−10000
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean −21.29
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

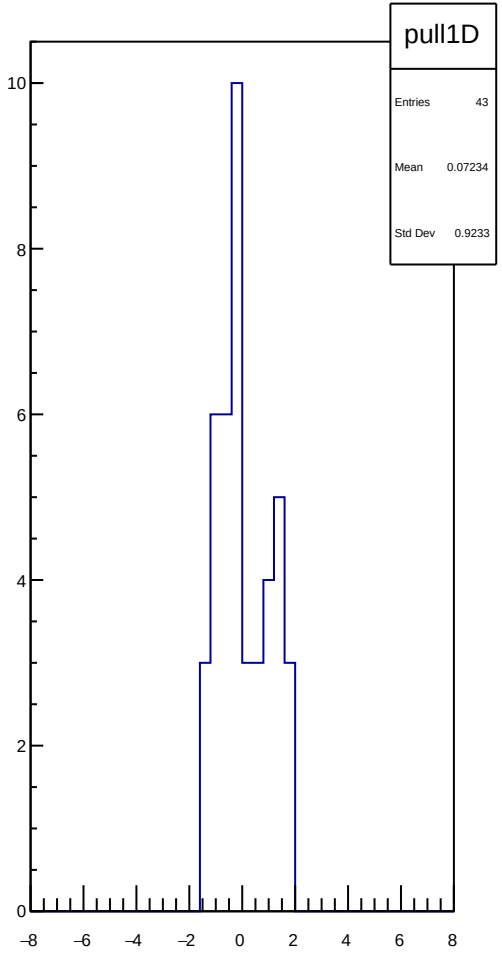

pull1D
Entries 43
Mean 0.02037
Std Dev 1.001
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

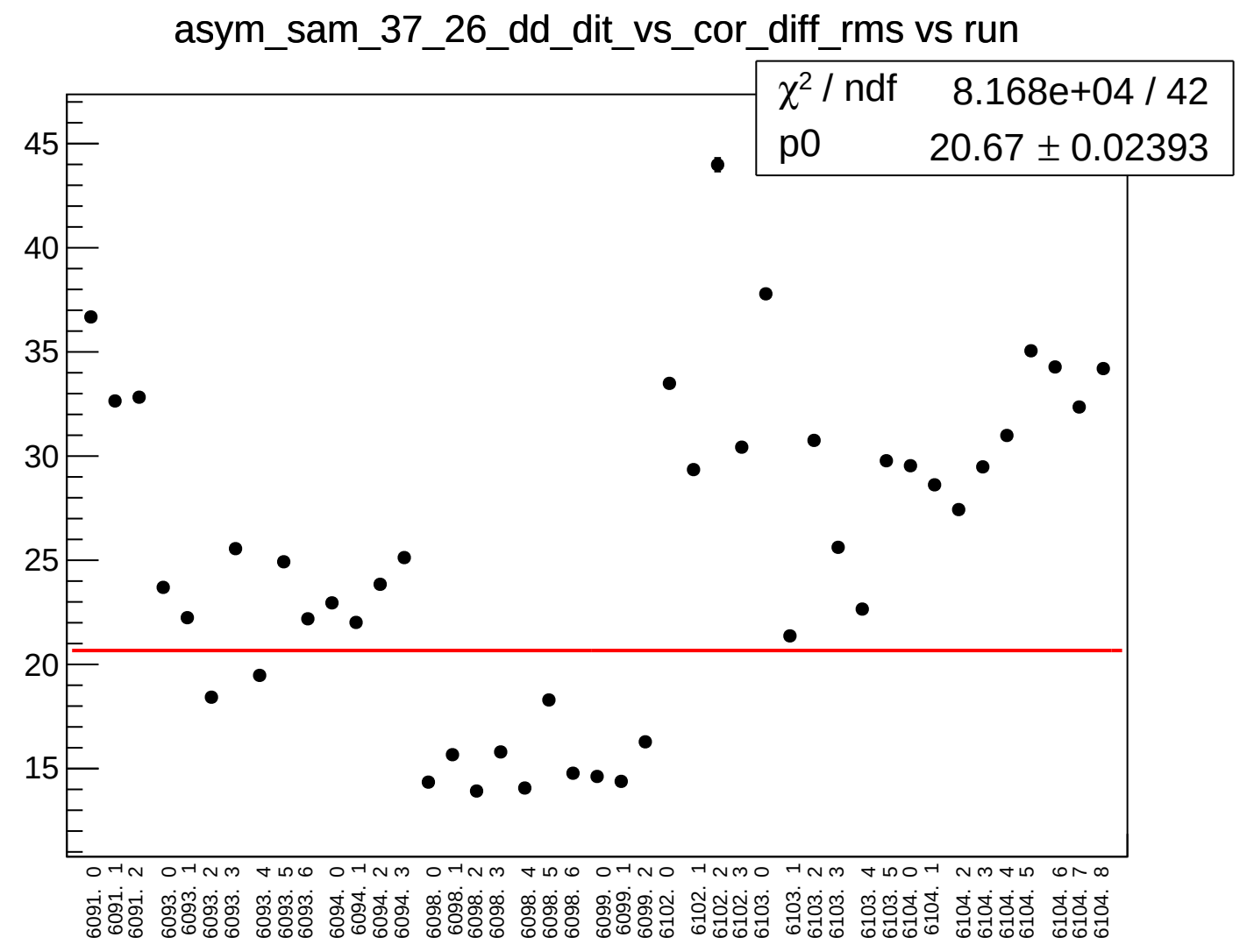

asym_sam_37_26_dd_rms vs run
χ² / ndf 4674 / 42
p0 228.8 ± 0.2522
270
260
250
240
230
220
210
200
190
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

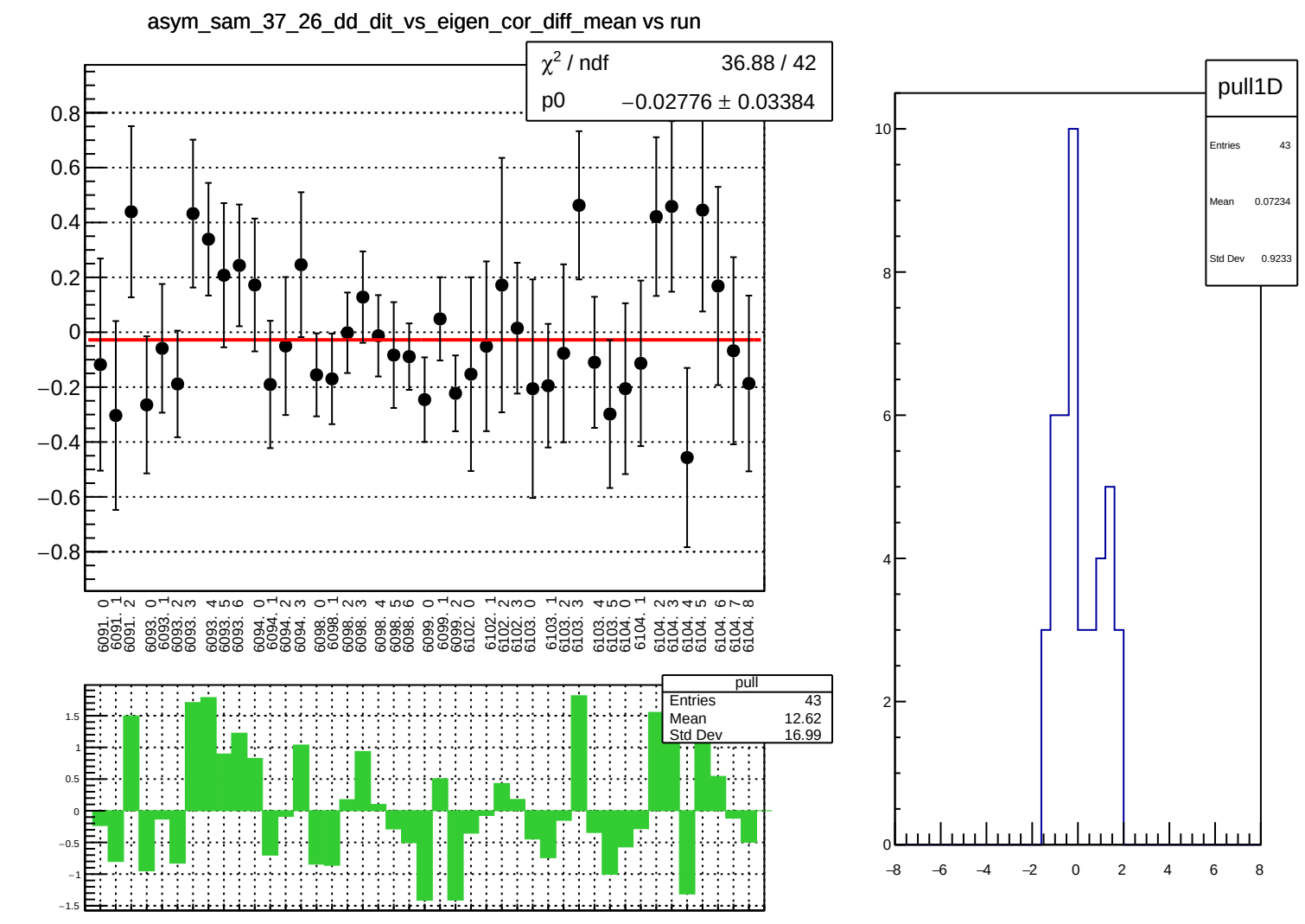

asym_sam_37_26_dd_reg_vs_cor_diff_mean vs run
×10^−3
χ² / ndf 49.37 / 42
p0 −5.504e−15 ± 1.266e−14
pull
Entries 43
Mean 6.159
Std Dev 0
pull1D
Entries 43
Mean −0.2563
Std Dev 1.04

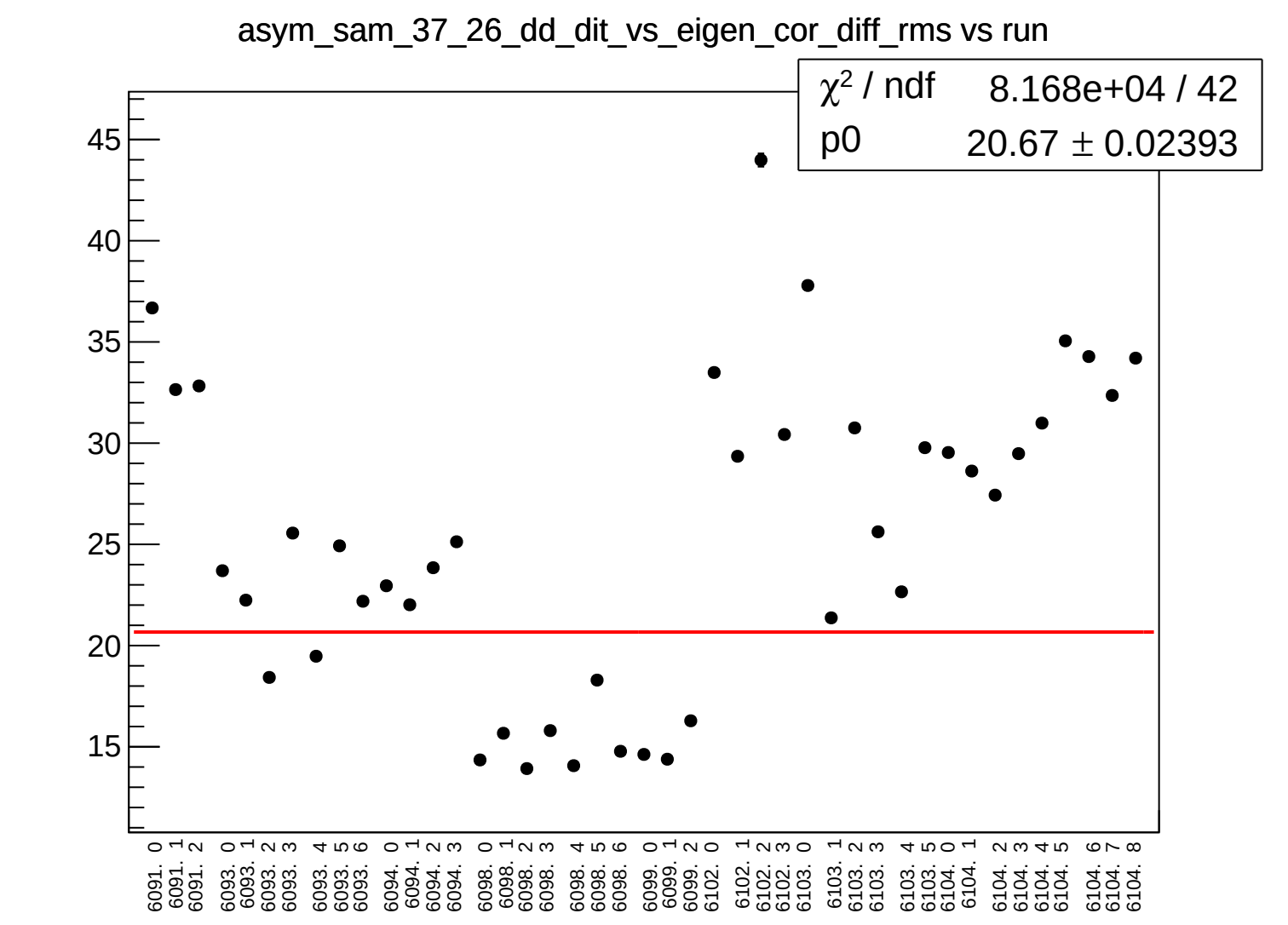

asym_sam_37_26_dd_reg_vs_cor_diff_rms vs run
χ² / ndf 5.306e+05 / 42
p0 4.879e−12 ± 8.953e−15
0.025
0.02
0.015
0.01
0.005
0
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

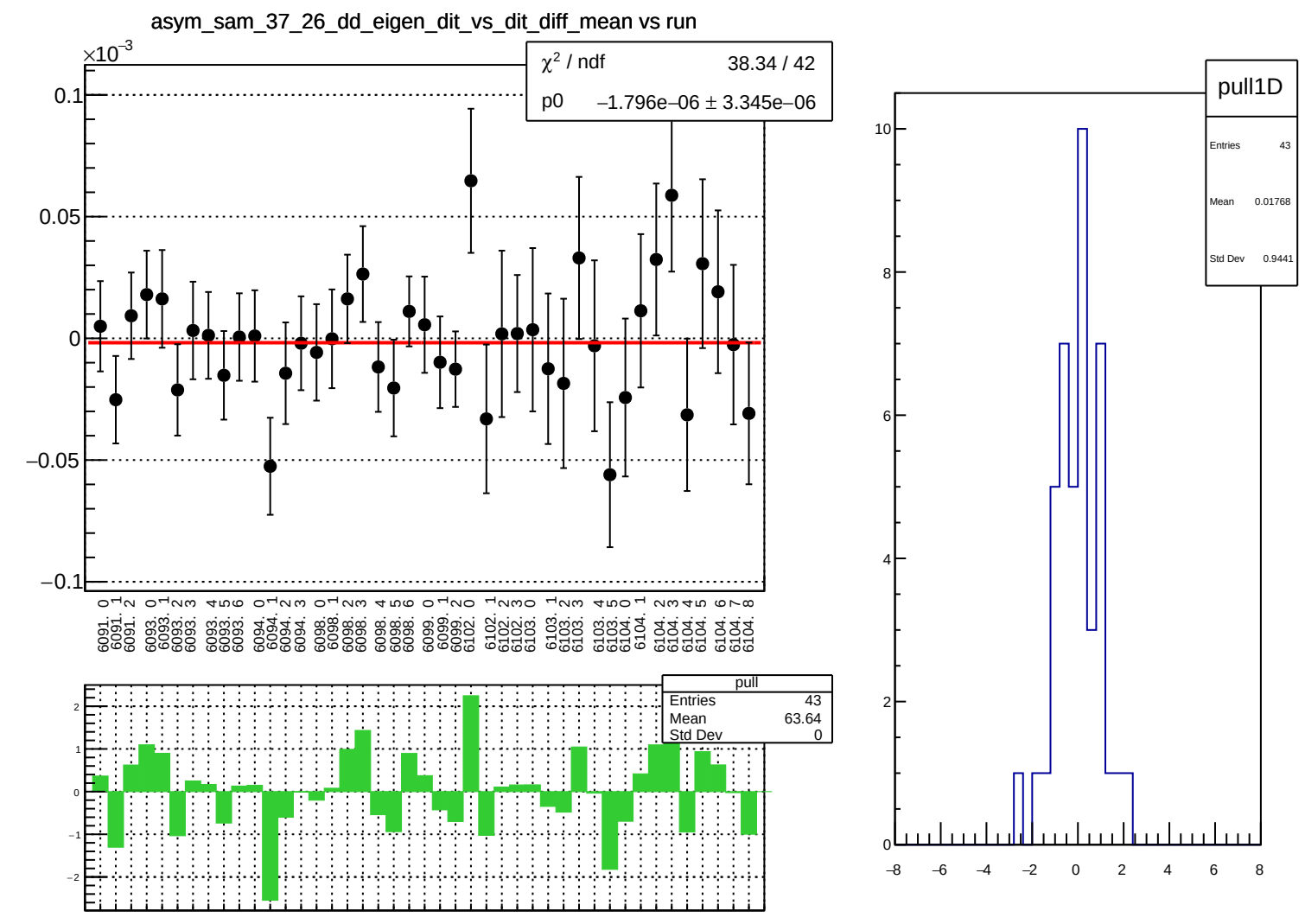

asym_sam_37_26_dd_dit_vs_cor_diff_mean vs run
χ² / ndf 36.88 / 42
p0 −0.02776 ± 0.03384
pull
Entries 43
Mean 12.62
Std Dev 16.99

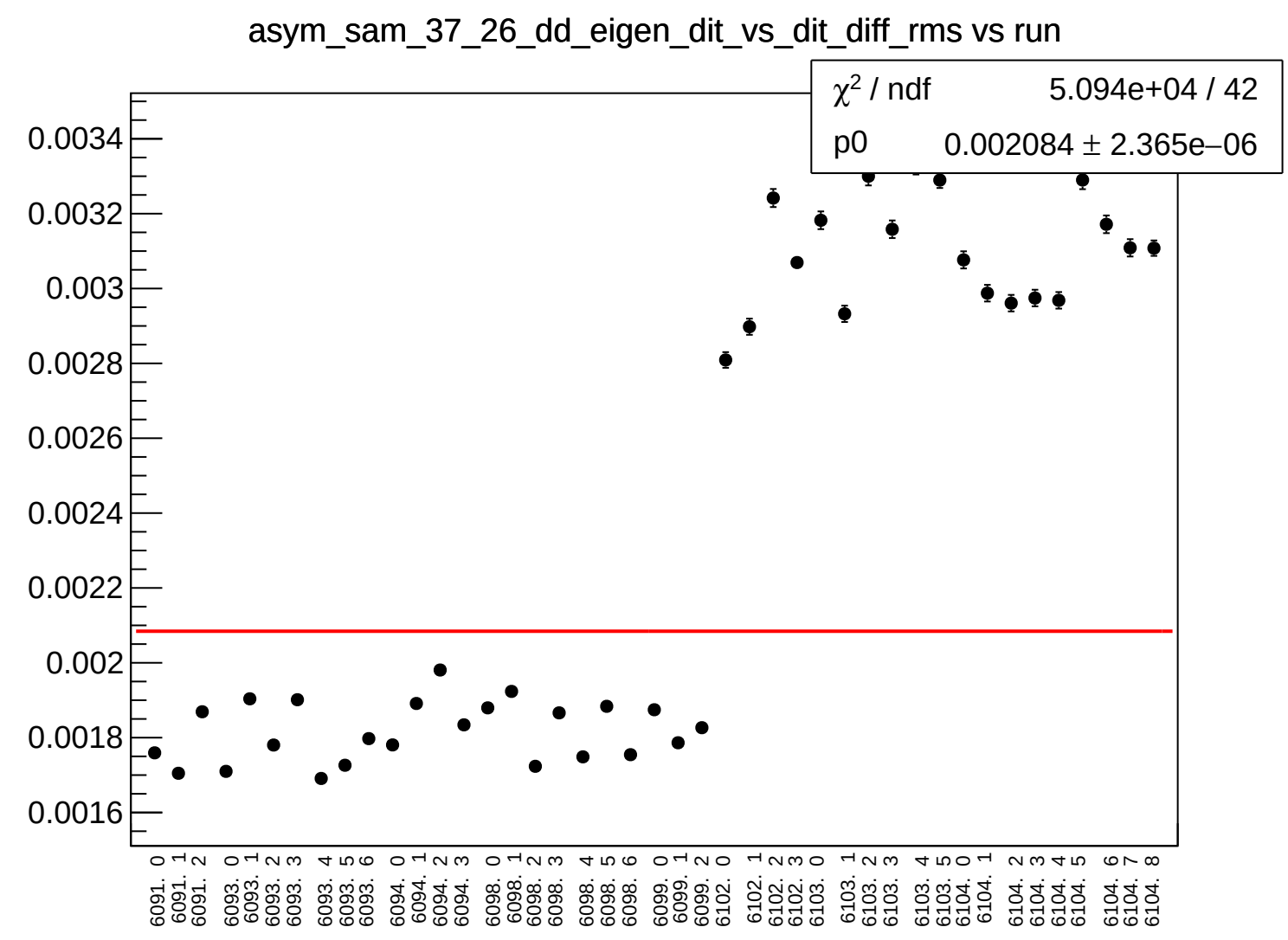

pull1D
Entries 43
Mean 0.07234
Std Dev 0.9233

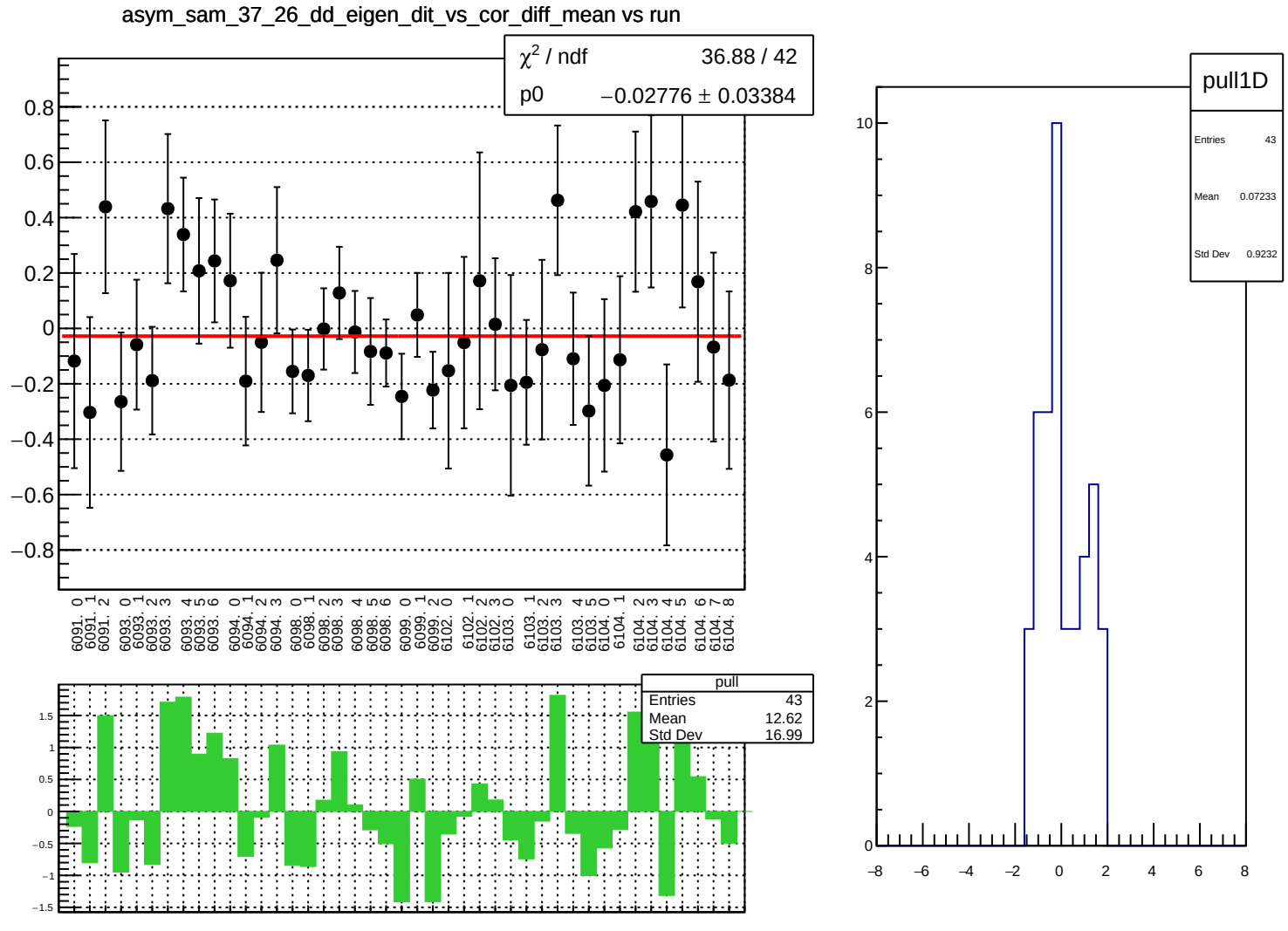

asym_sam_37_26_dd_dit_vs_cor_diff_rms vs run
χ² / ndf 8.168e+04 / 42
p0 20.67 ± 0.02393
45
40
35
30
25
20
15
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

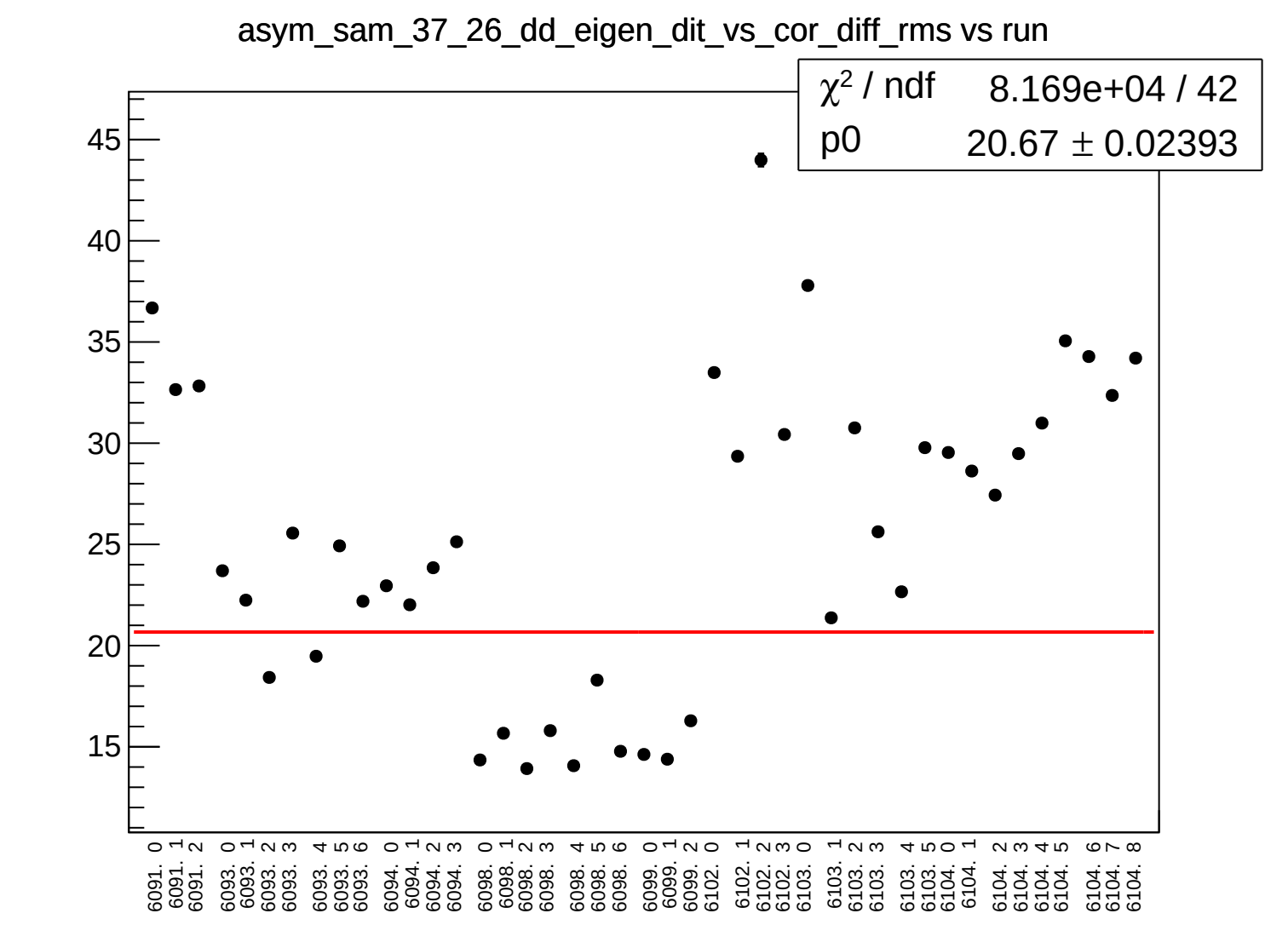

asym_sam_37_26_dd_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 36.88 / 42
p0 −0.02776 ± 0.03384
pull
Entries 43
Mean 12.62
Std Dev 16.99
pull1D
Entries 43
Mean 0.07234
Std Dev 0.9233


asym_sam_37_26_dd_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 8.168e+04 / 42
p0 20.67 ± 0.02393
45
40
35
30
25
20
15
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

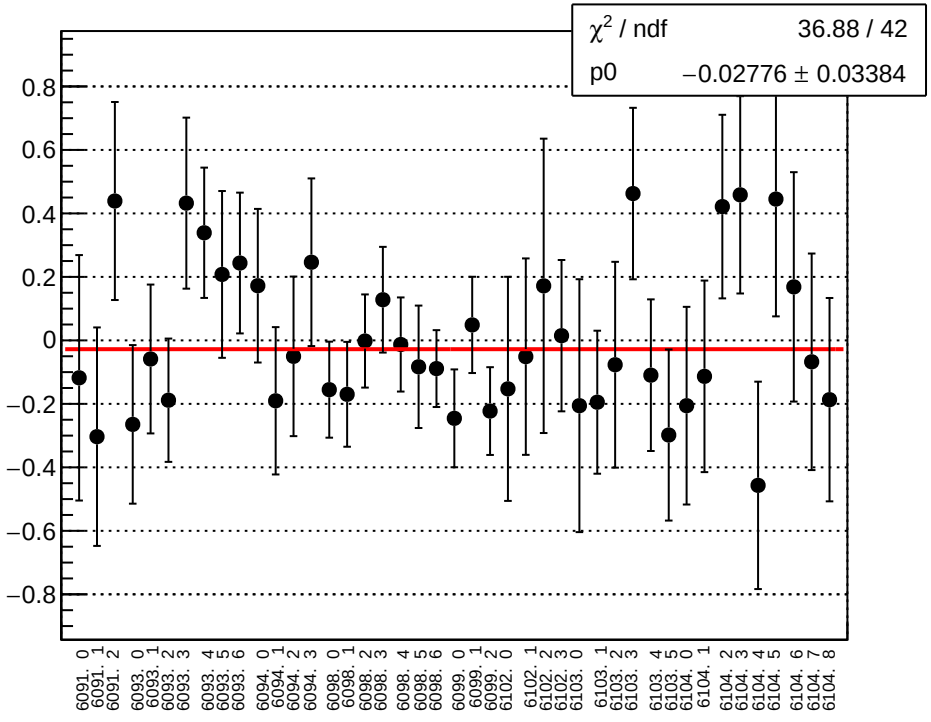

asym_sam_37_26_dd_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 38.34 / 42
p0 −1.796e−06 ± 3.345e−06
0.1
0.05
0
−0.05
−0.1
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 63.64
Std Dev 0
2
1
0
−1
−2
pull1D
Entries 43
Mean 0.01768
Std Dev 0.9441
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

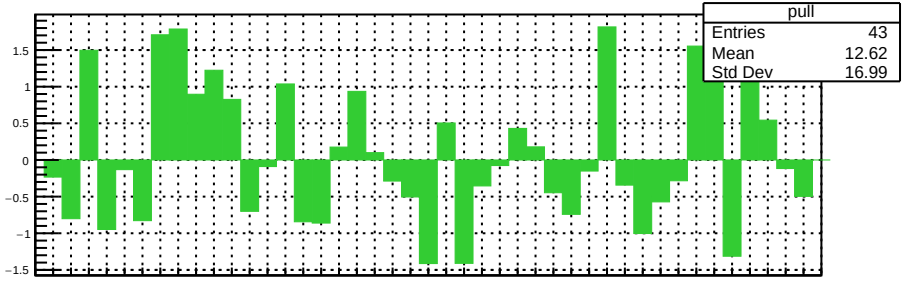

asym_sam_37_26_dd_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 5.094e+04 / 42
p0 0.002084 ± 2.365e−06
0.0034
0.0032
0.003
0.0028
0.0026
0.0024
0.0022
0.002
0.0018
0.0016
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

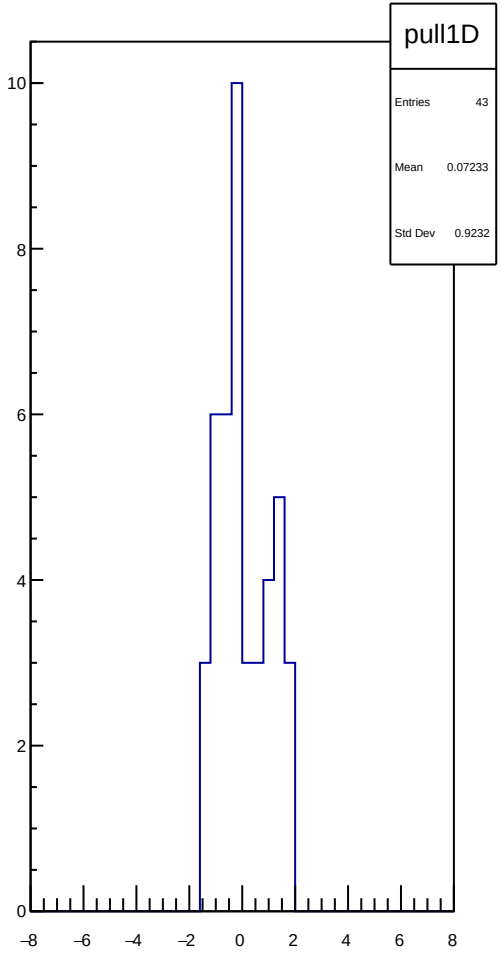

asym_sam_37_26_dd_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 36.88 / 42
p0 −0.02776 ± 0.03384
pull
Entries 43
Mean 12.62
Std Dev 16.99
pull1D
Entries 43
Mean 0.07233
Std Dev 0.9232

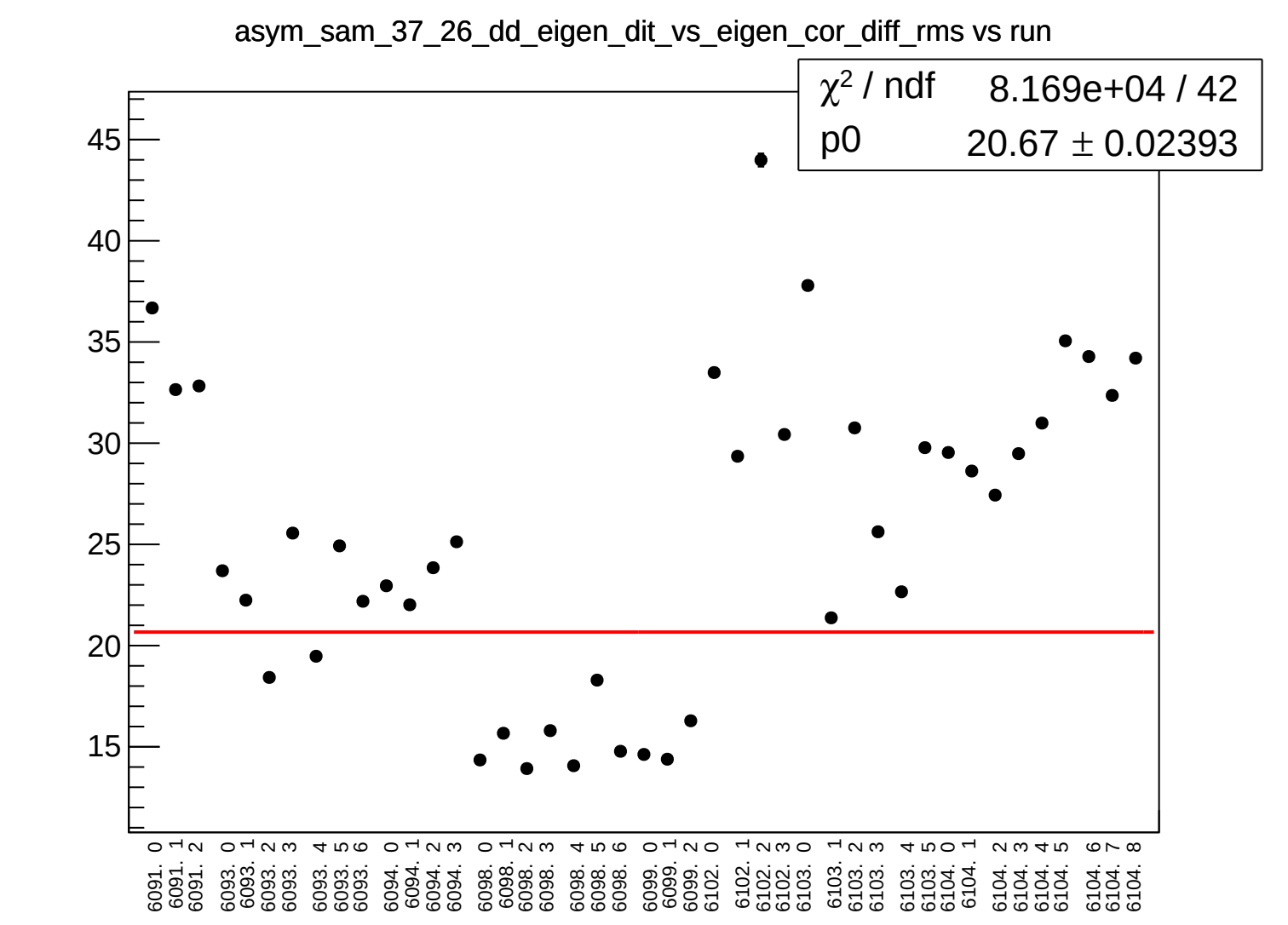

asym_sam_37_26_dd_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 8.169e+04 / 42
p0 20.67 ± 0.02393
45
40
35
30
25
20
15
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

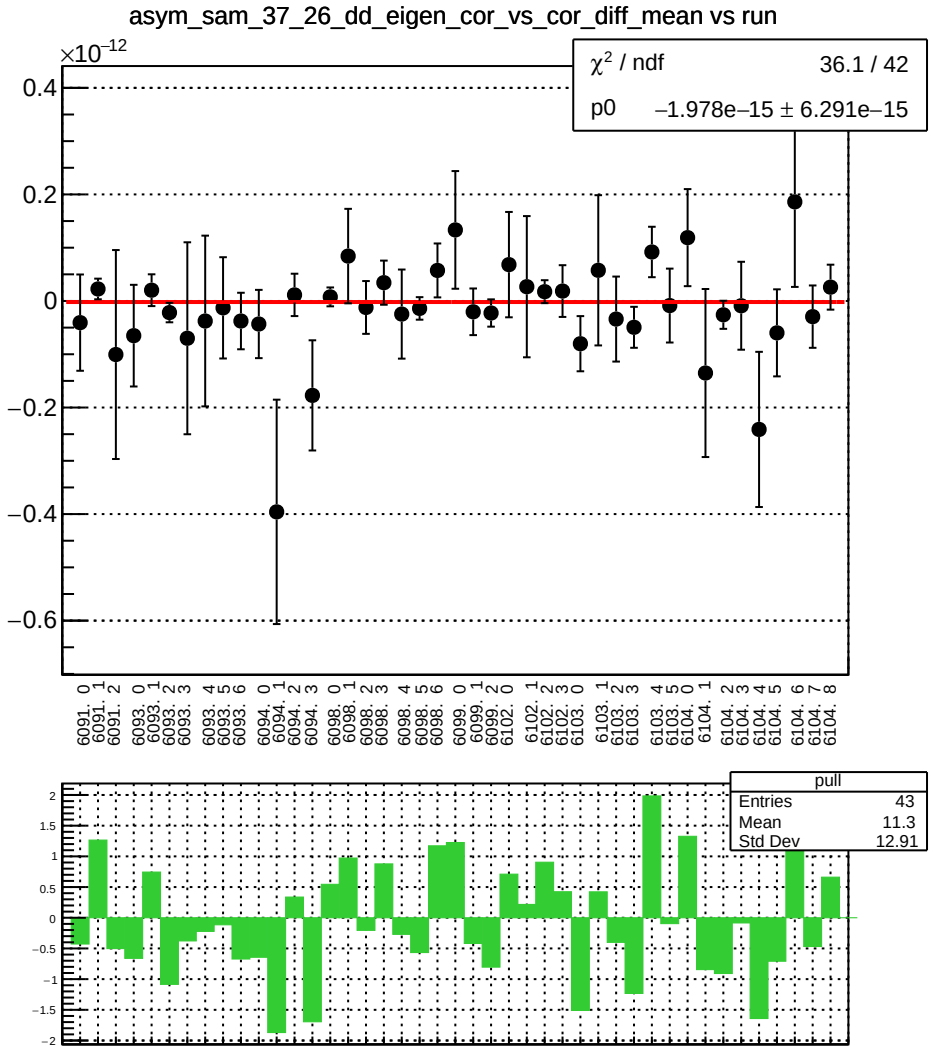
asym_sam_37_26_dd_eigen_dit_vs_eigen_cor_diff_mean vs run

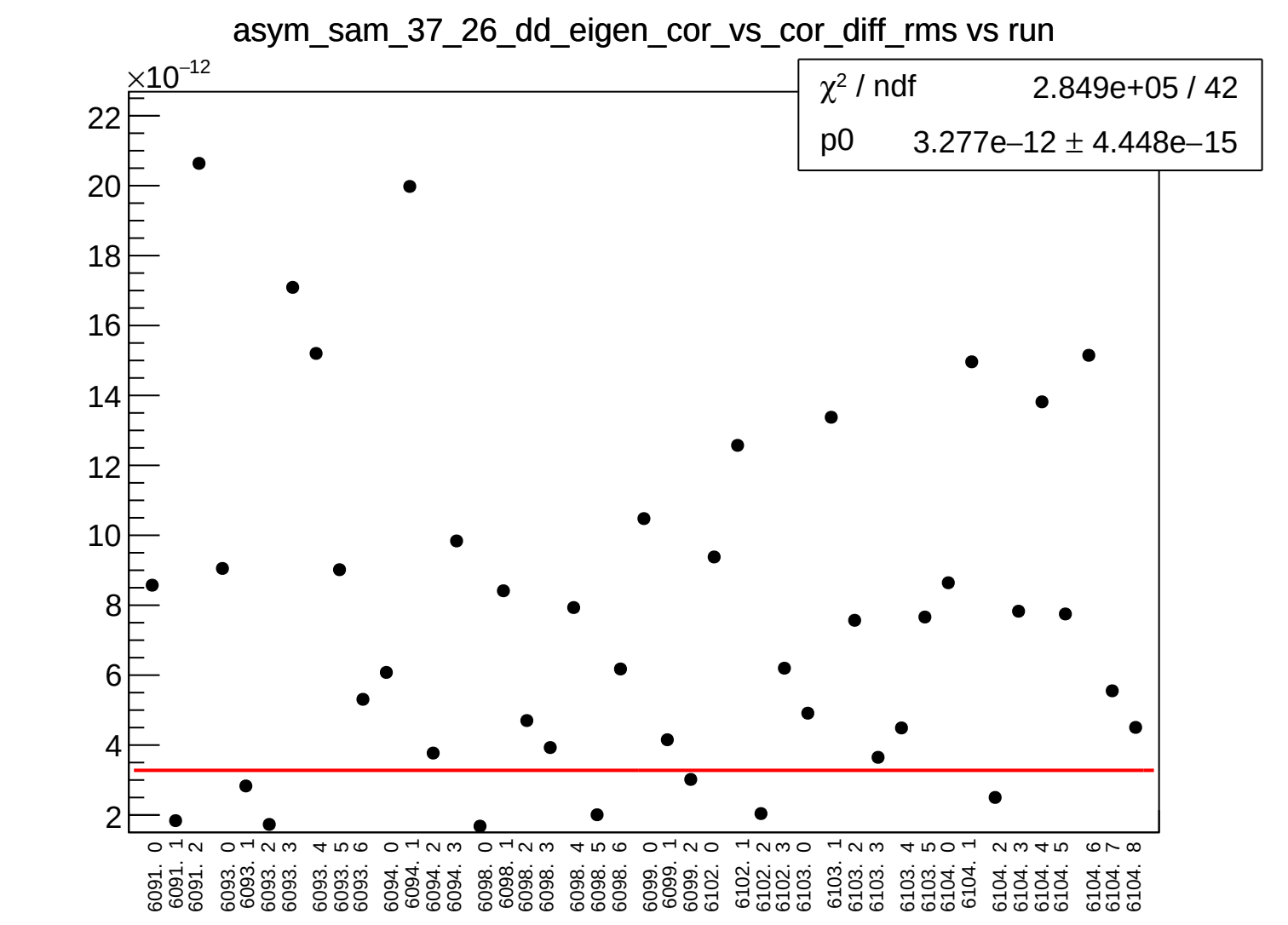


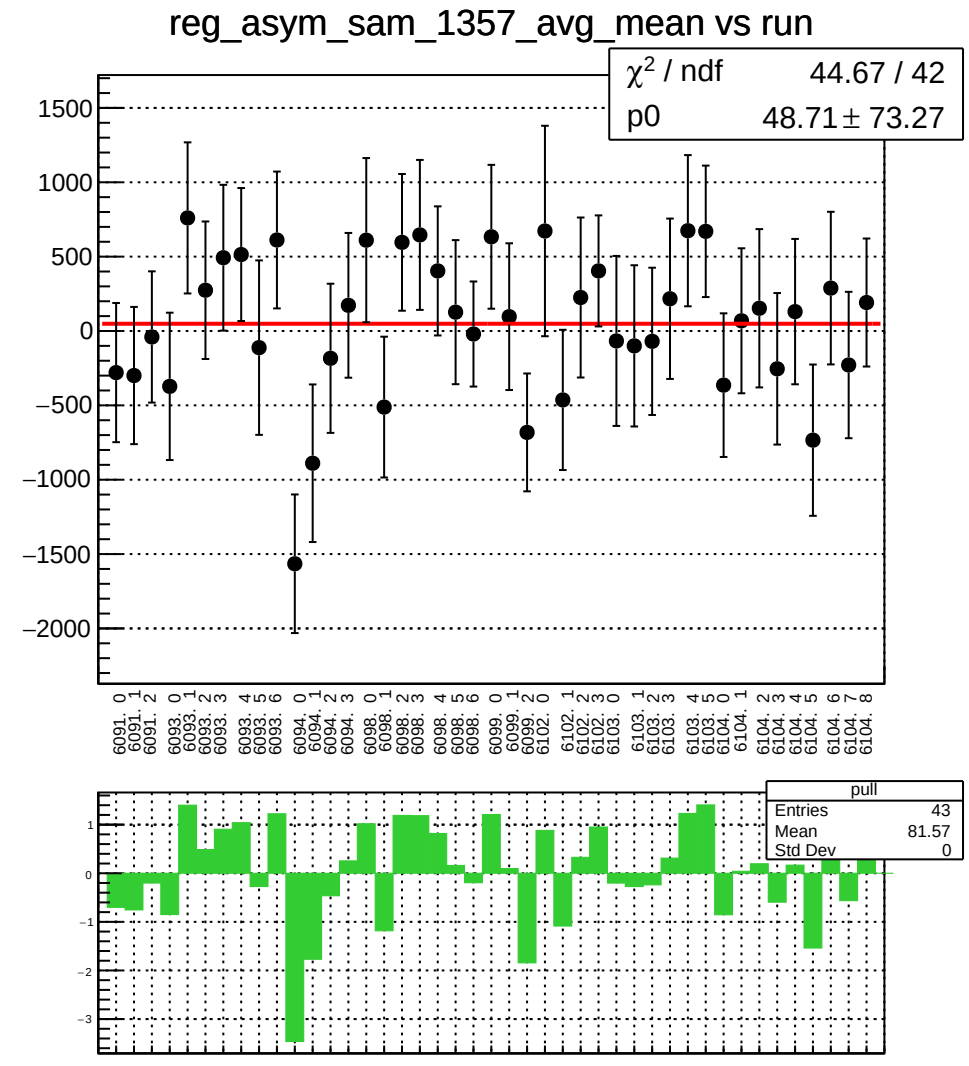


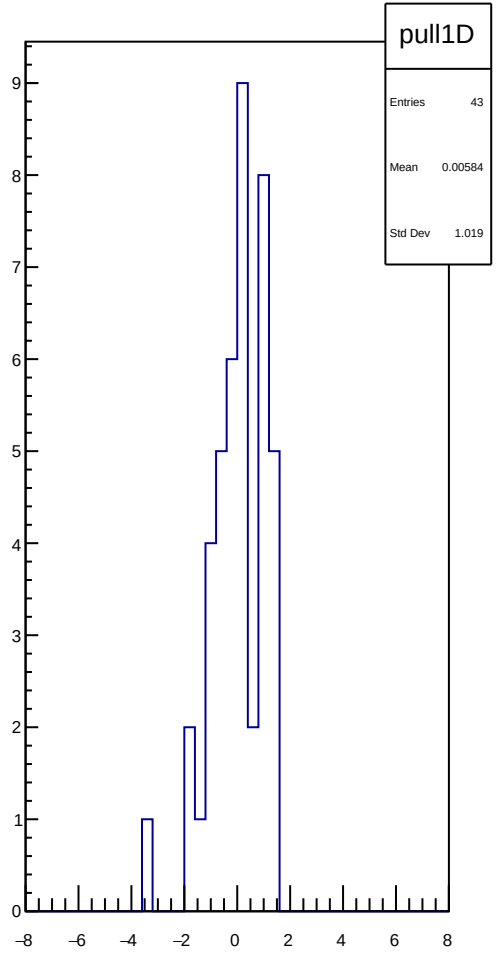


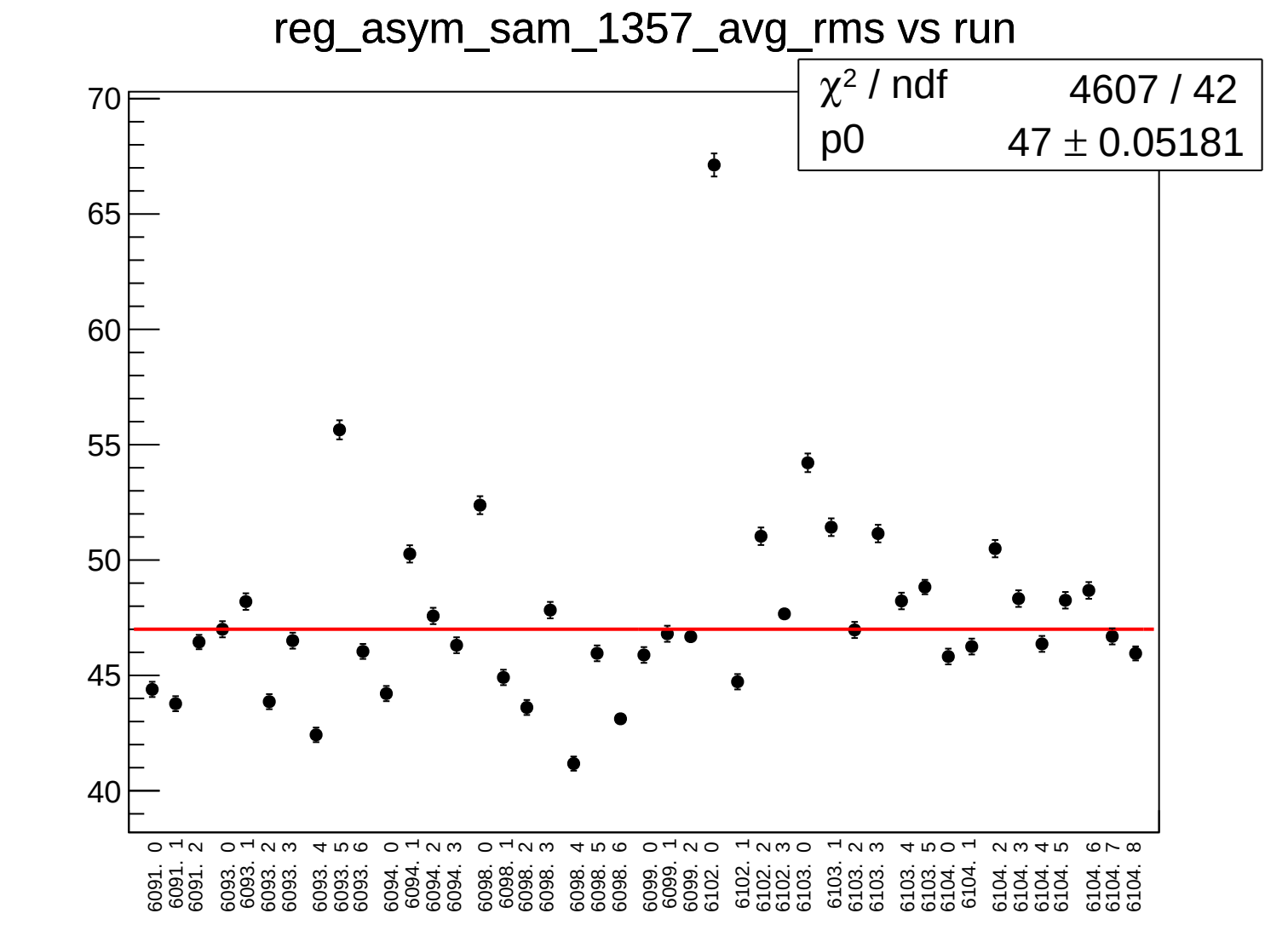

asym_sam_37_26_dd_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 8.169e+04 / 42
p0 20.67 ± 0.02393
45
40
35
30
25
20
15
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

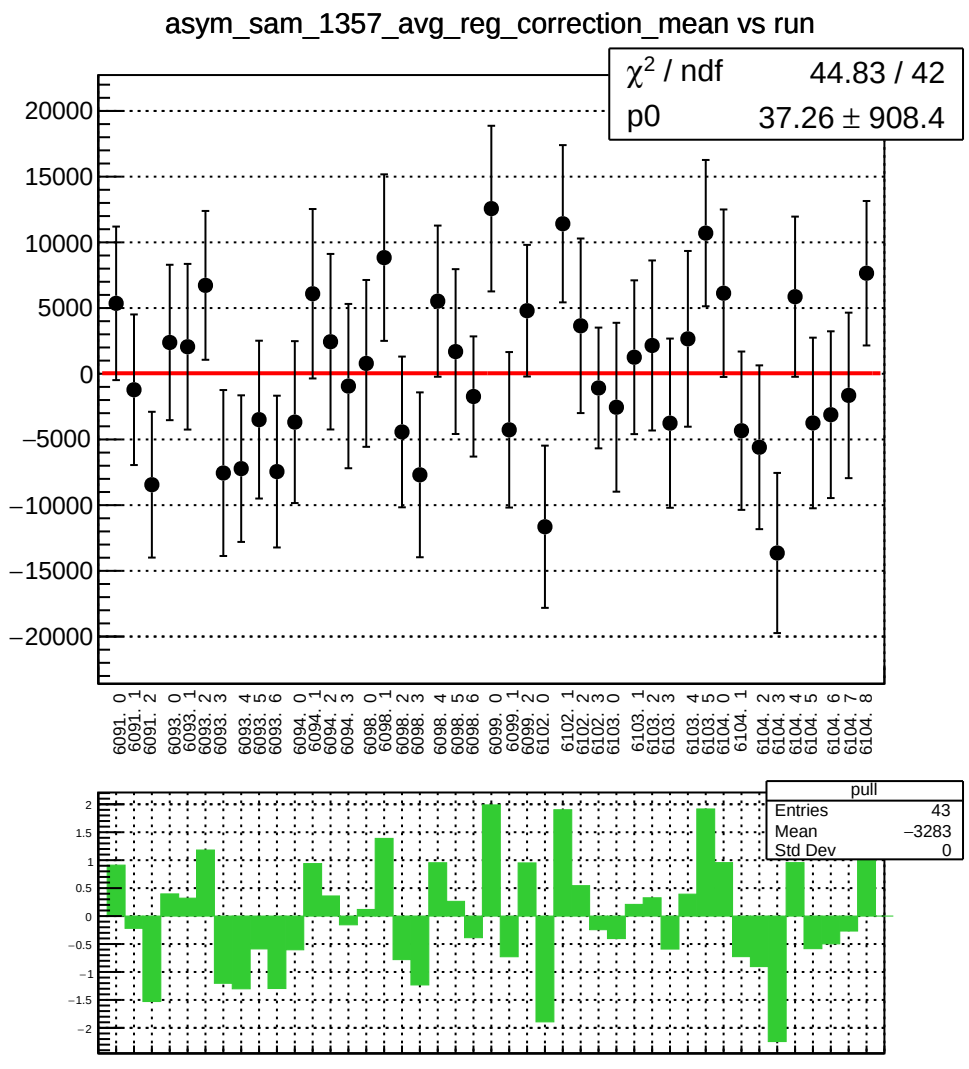

asym_sam_37_26_dd_eigen_cor_vs_cor_diff_mean vs run
×10−12
χ2 / ndf 36.1 / 42
p0 −1.978e−15 ± 6.291e−15
0.4
0.2
0
−0.2
−0.4
−0.6
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 11.3
Std Dev 12.91
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 43
Mean −0.08071
Std Dev 0.9126
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

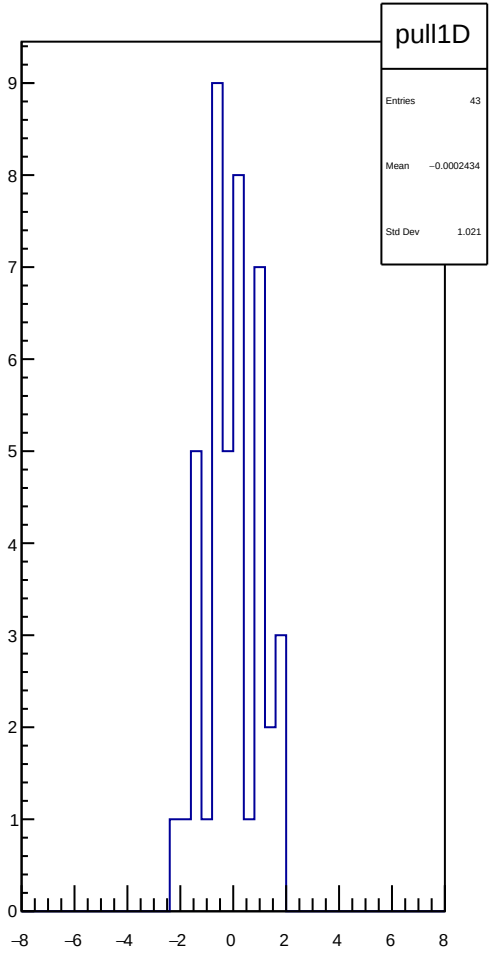

asym_sam_37_26_dd_eigen_cor_vs_cor_diff_rms vs run
×10⁻¹²
χ² / ndf 2.849e+05 / 42
p0 3.277e−12 ± 4.448e−15
22
20
18
16
14
12
10
8
6
4
2
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

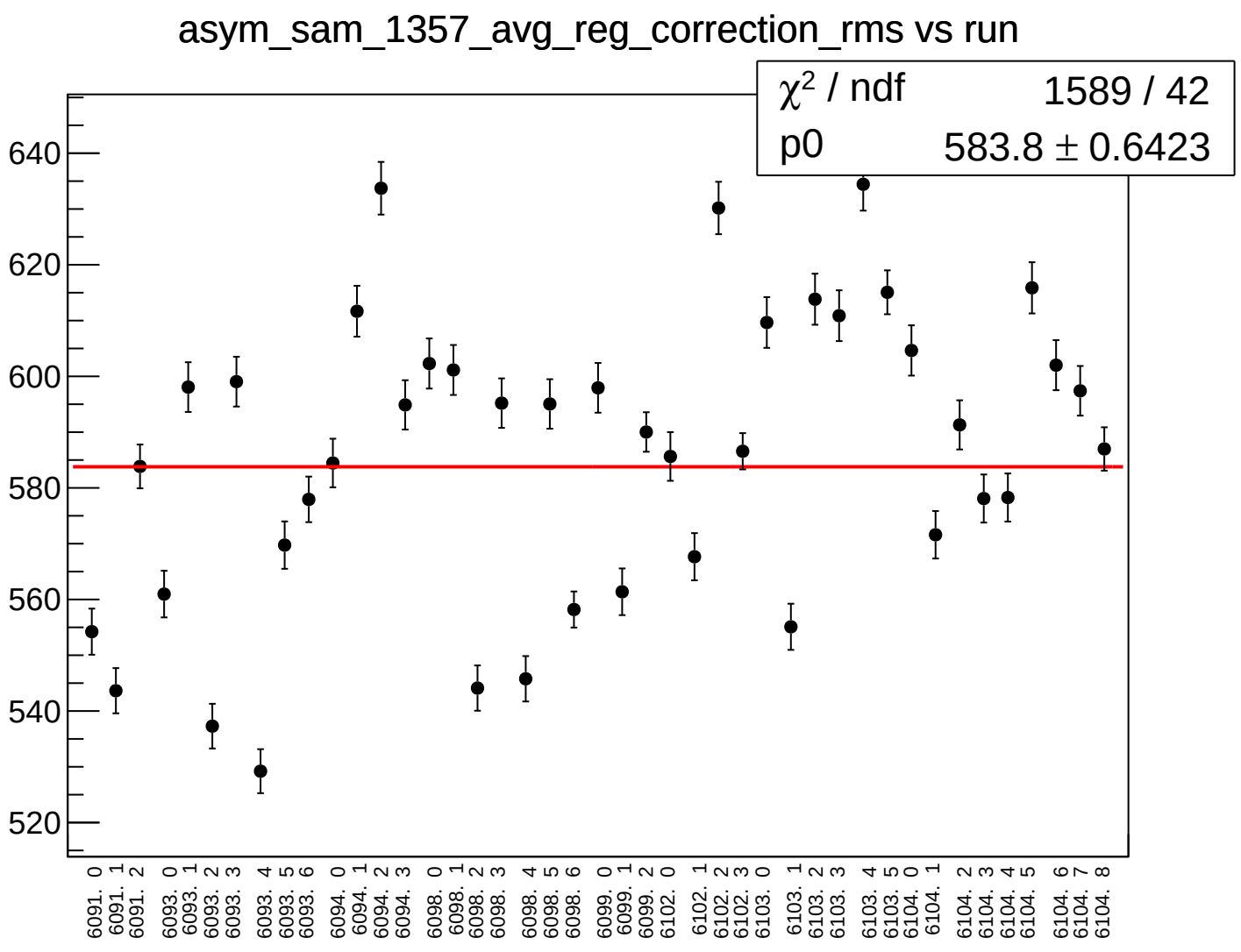

reg_asym_sam_1357_avg_mean vs run
χ² / ndf 44.67 / 42
p0 48.71 ± 73.27
1500
1000
500
0
−500
−1000
−1500
−2000
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 81.57
Std Dev 0
1
0
−1
−2
−3

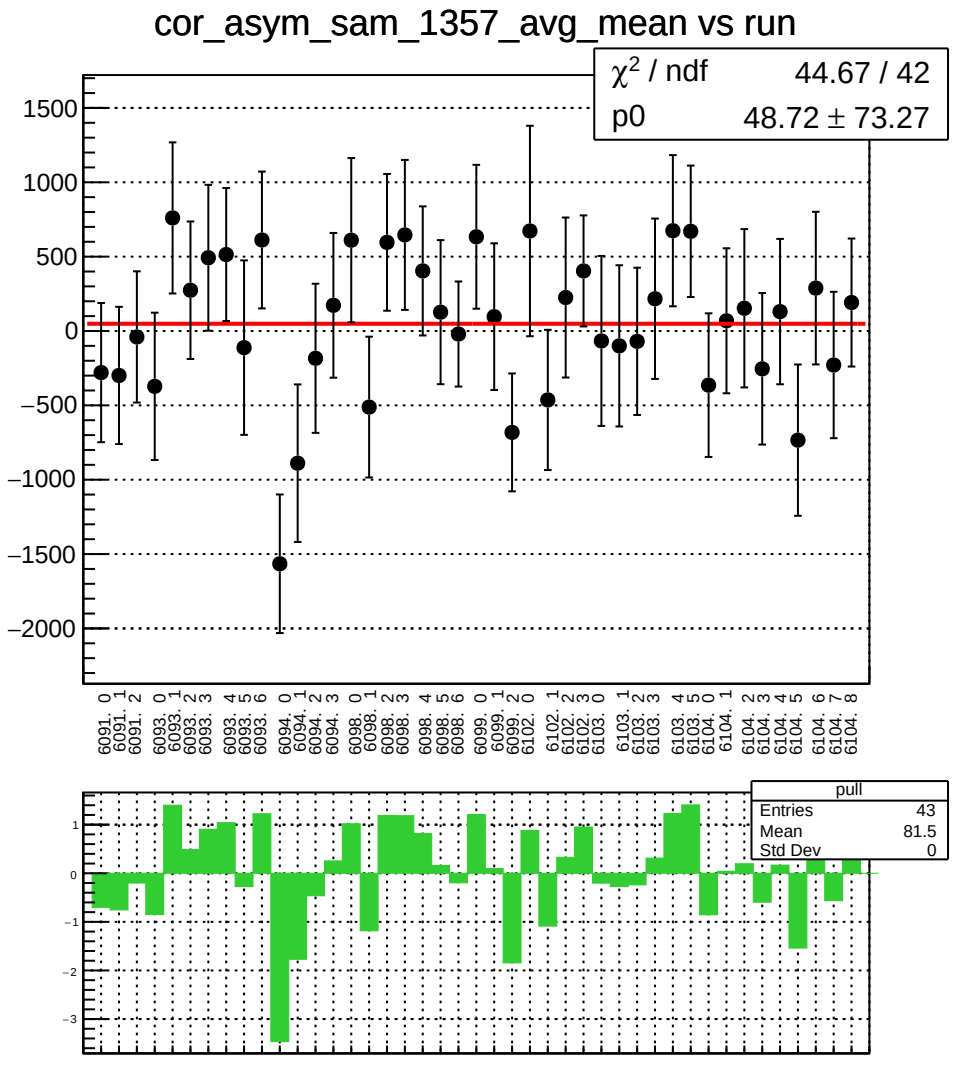

pull1D
Entries 43
Mean 0.00584
Std Dev 1.019
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

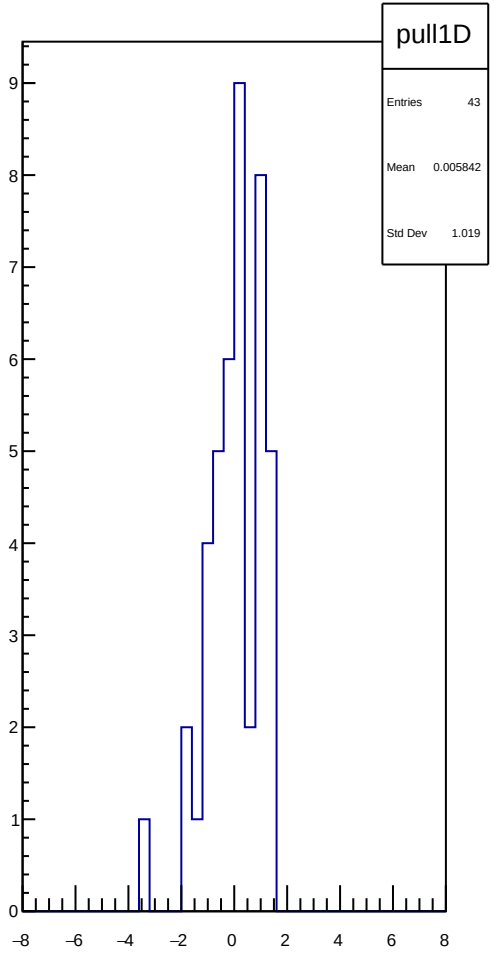

reg_asym_sam_1357_avg_rms vs run
χ² / ndf 4607 / 42
p0 47 ± 0.05181
70
65
60
55
50
45
40
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

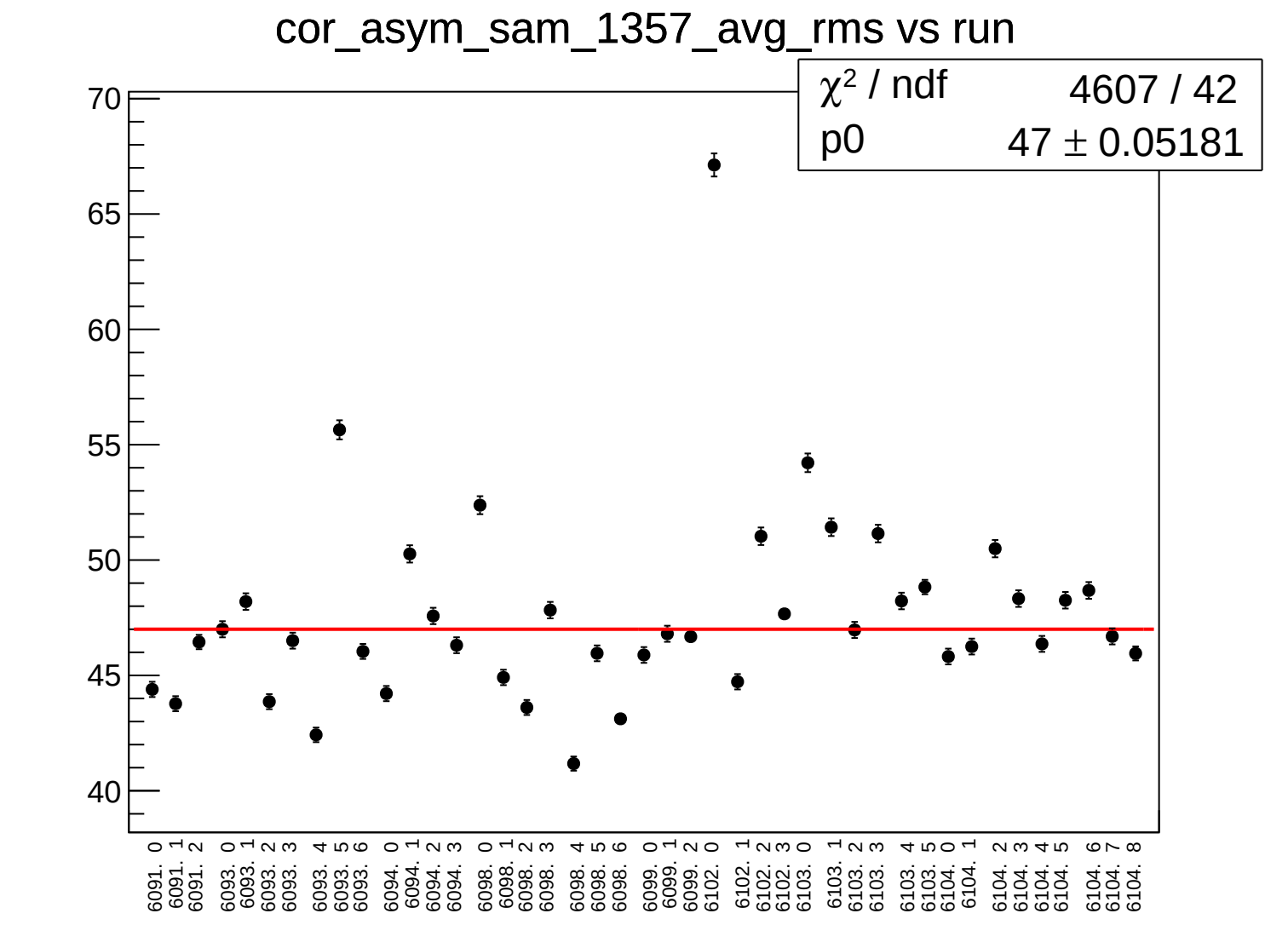

asym_sam_1357_avg_reg_correction_mean vs run
χ² / ndf 44.83 / 42
p0 37.26 ± 908.4
20000
15000
10000
5000
0
−5000
−10000
−15000
−20000
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean −3283
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

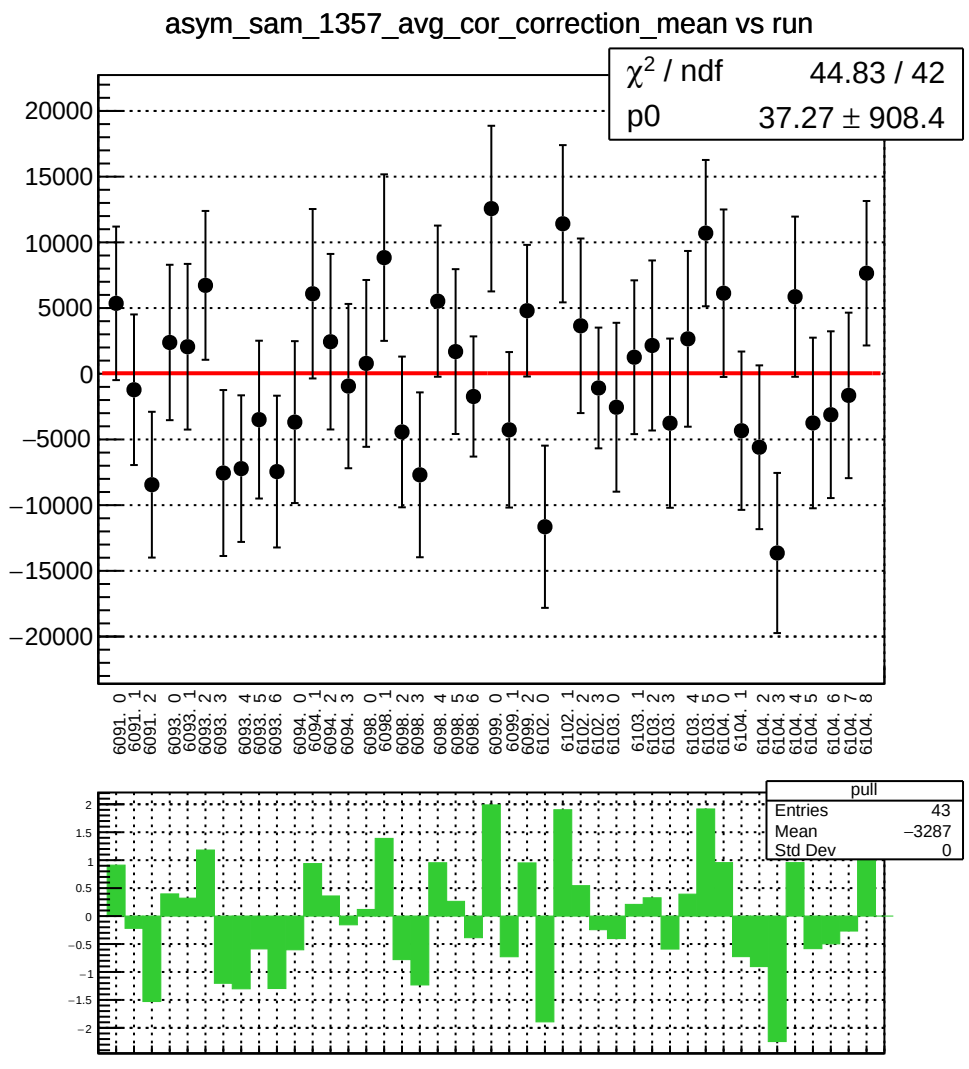

pull1D
Entries 43
Mean −0.0002434
Std Dev 1.021
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

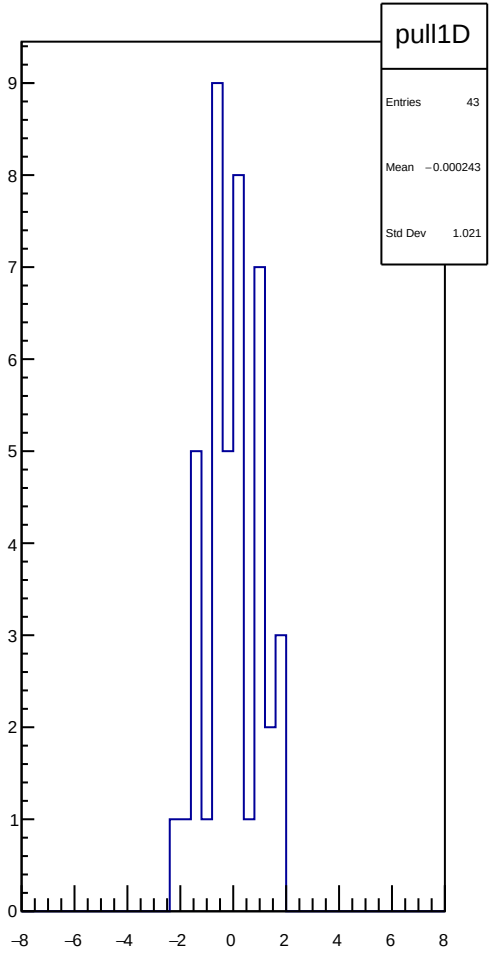

asym_sam_1357_avg_reg_correction_rms vs run
χ² / ndf 1589 / 42
p0 583.8 ± 0.6423
640
620
600
580
560
540
520
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

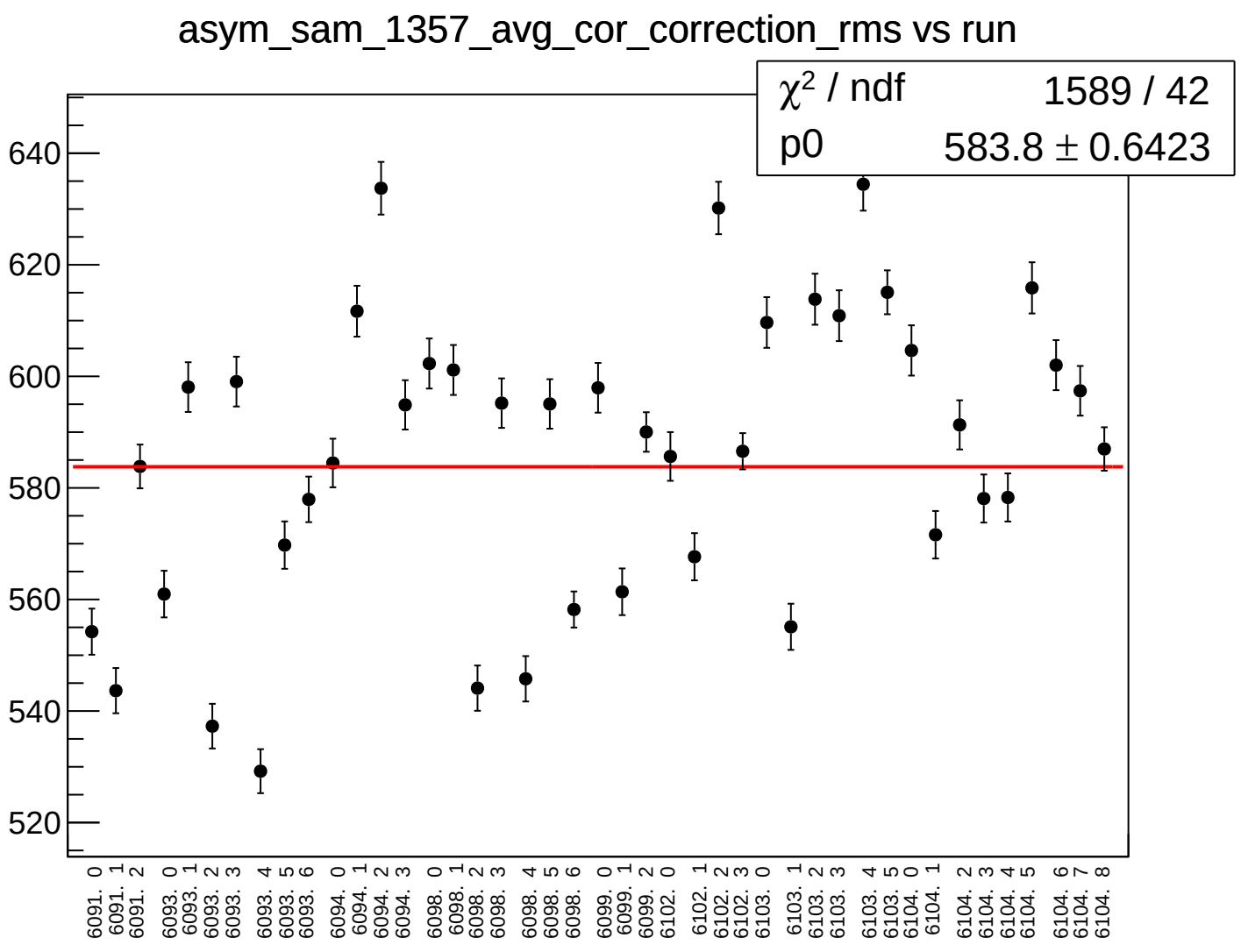

cor_asym_sam_1357_avg_mean vs run
χ² / ndf 44.67 / 42
p0 48.72 ± 73.27
1500
1000
500
0
−500
−1000
−1500
−2000
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 81.5
Std Dev 0
1
0
−1
−2
−3

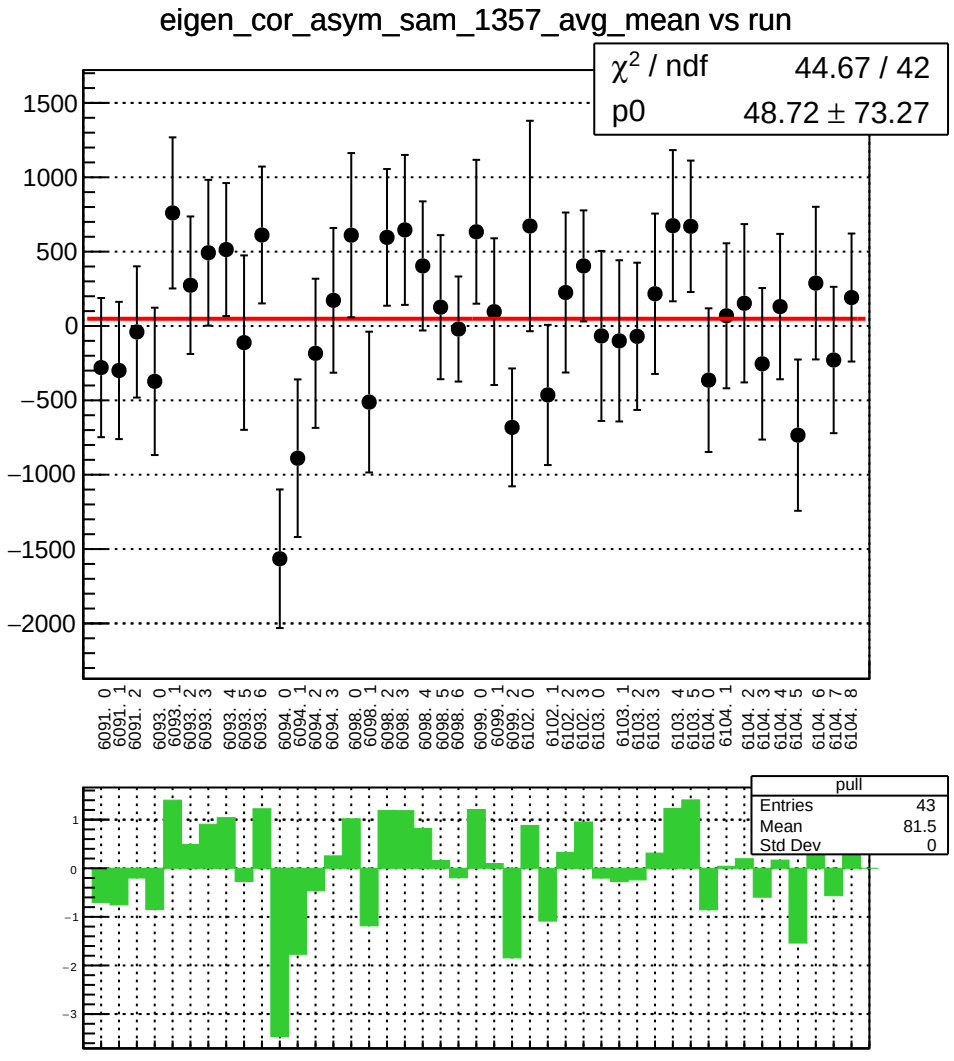

pull1D
Entries 43
Mean 0.005842
Std Dev 1.019
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

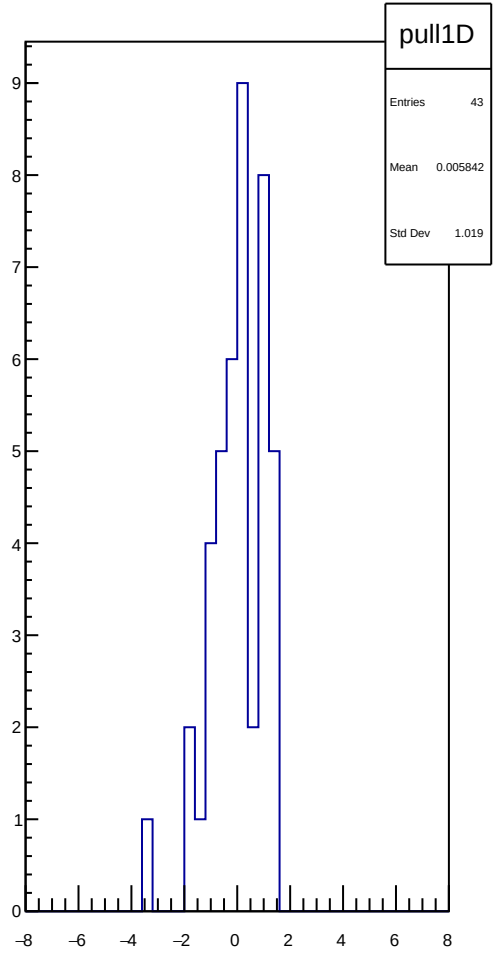

cor_asym_sam_1357_avg_rms vs run
χ² / ndf 4607 / 42
p0 47 ± 0.05181
70
65
60
55
50
45
40
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

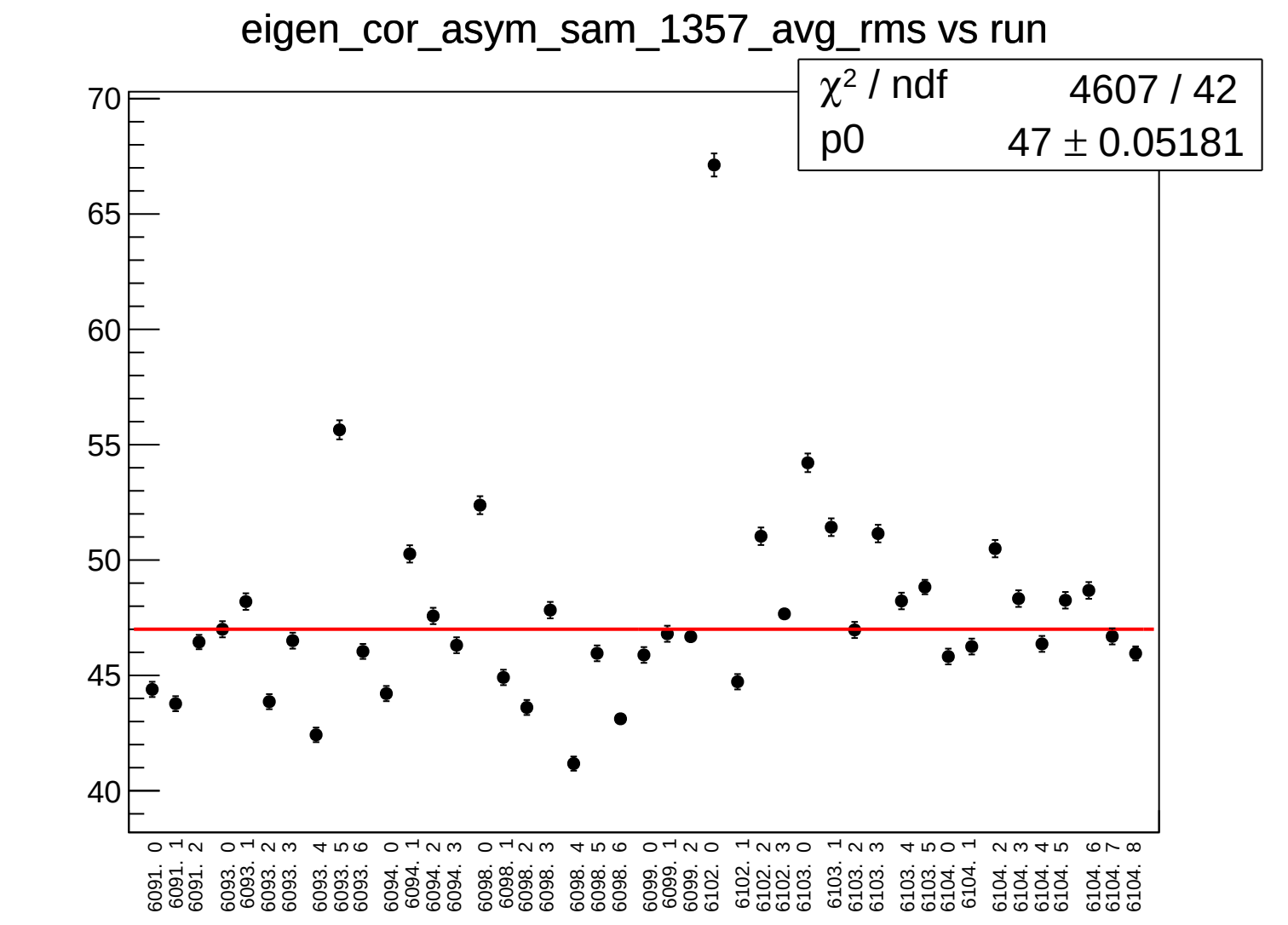

asym_sam_1357_avg_cor_correction_mean vs run
χ² / ndf 44.83 / 42
p0 37.27 ± 908.4
20000
15000
10000
5000
0
−5000
−10000
−15000
−20000
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean −3287
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

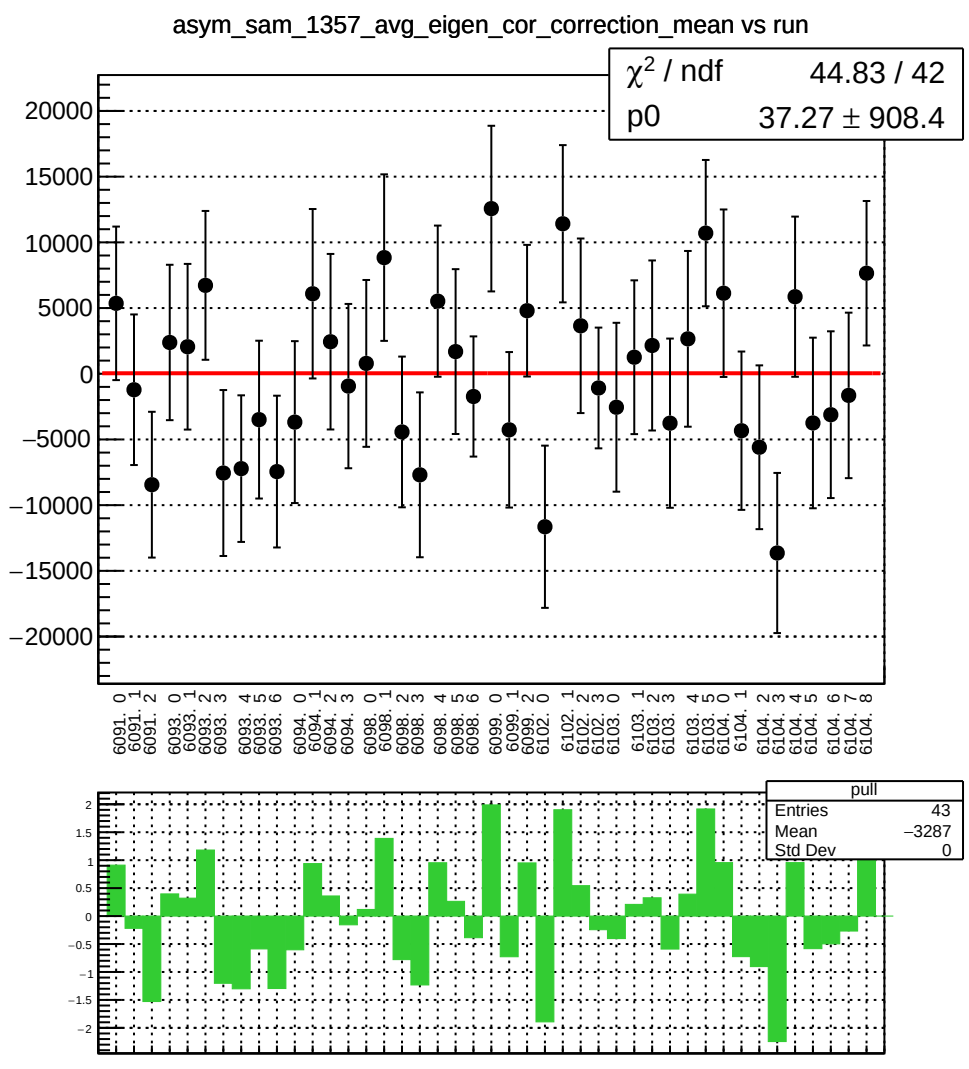

pull1D
Entries 43
Mean −0.000243
Std Dev 1.021
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

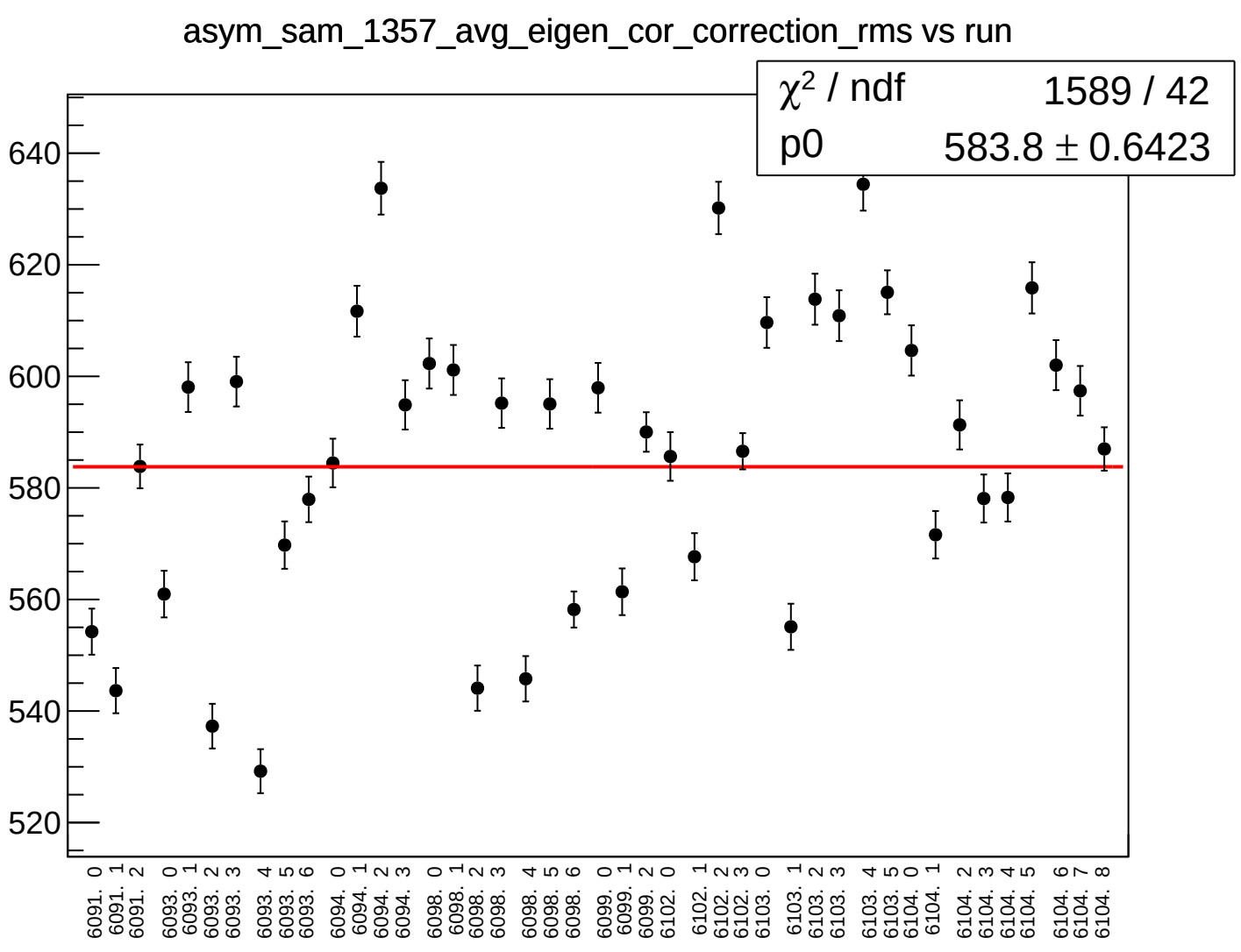

asym_sam_1357_avg_cor_correction_rms vs run
χ² / ndf 1589 / 42
p0 583.8 ± 0.6423
640
620
600
580
560
540
520
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

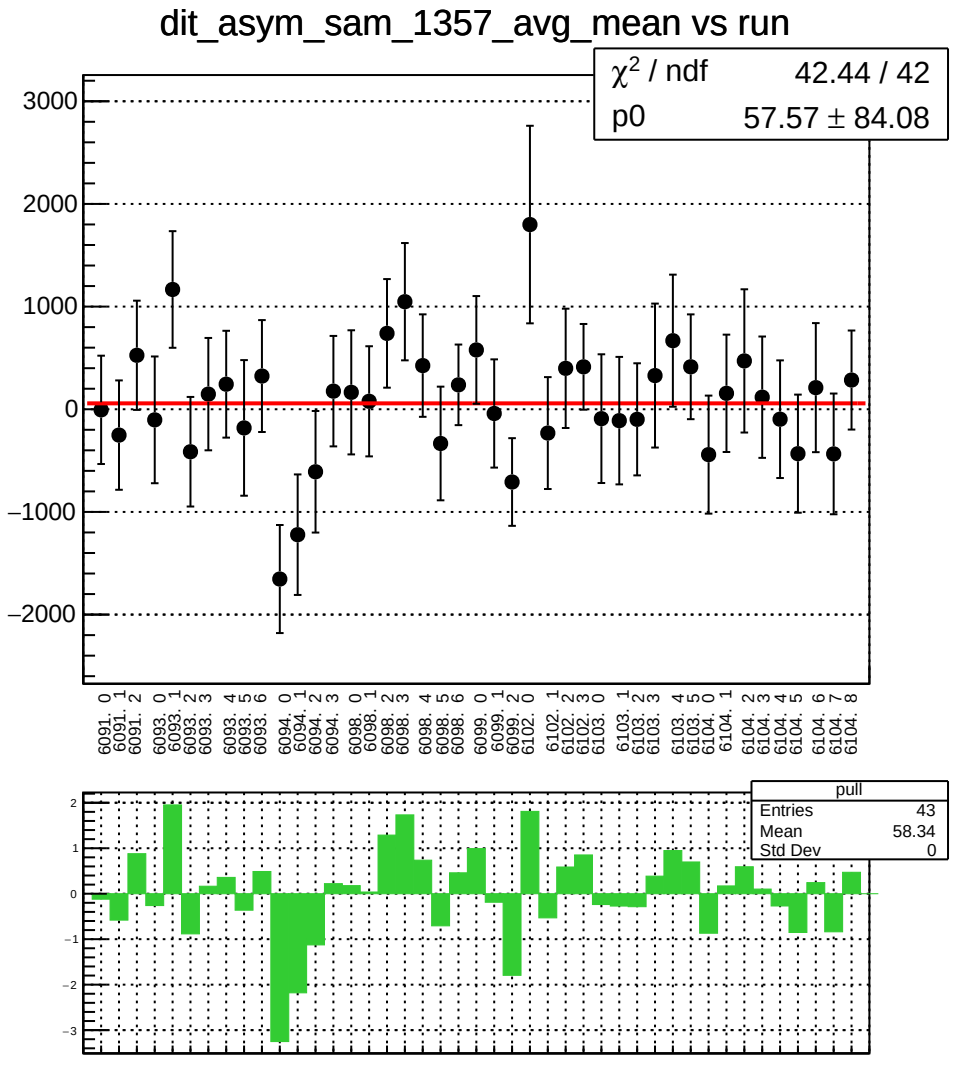

eigen_cor_asym_sam_1357_avg_mean vs run
χ² / ndf 44.67 / 42
p0 48.72 ± 73.27
1500
1000
500
0
−500
−1000
−1500
−2000
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 81.5
Std Dev 0
1
0
−1
−2
−3

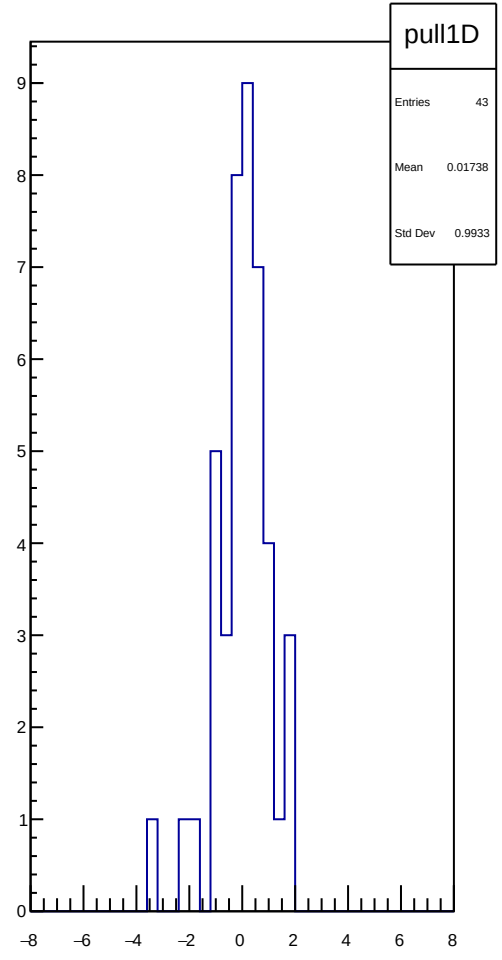

pull1D
Entries 43
Mean 0.005842
Std Dev 1.019
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

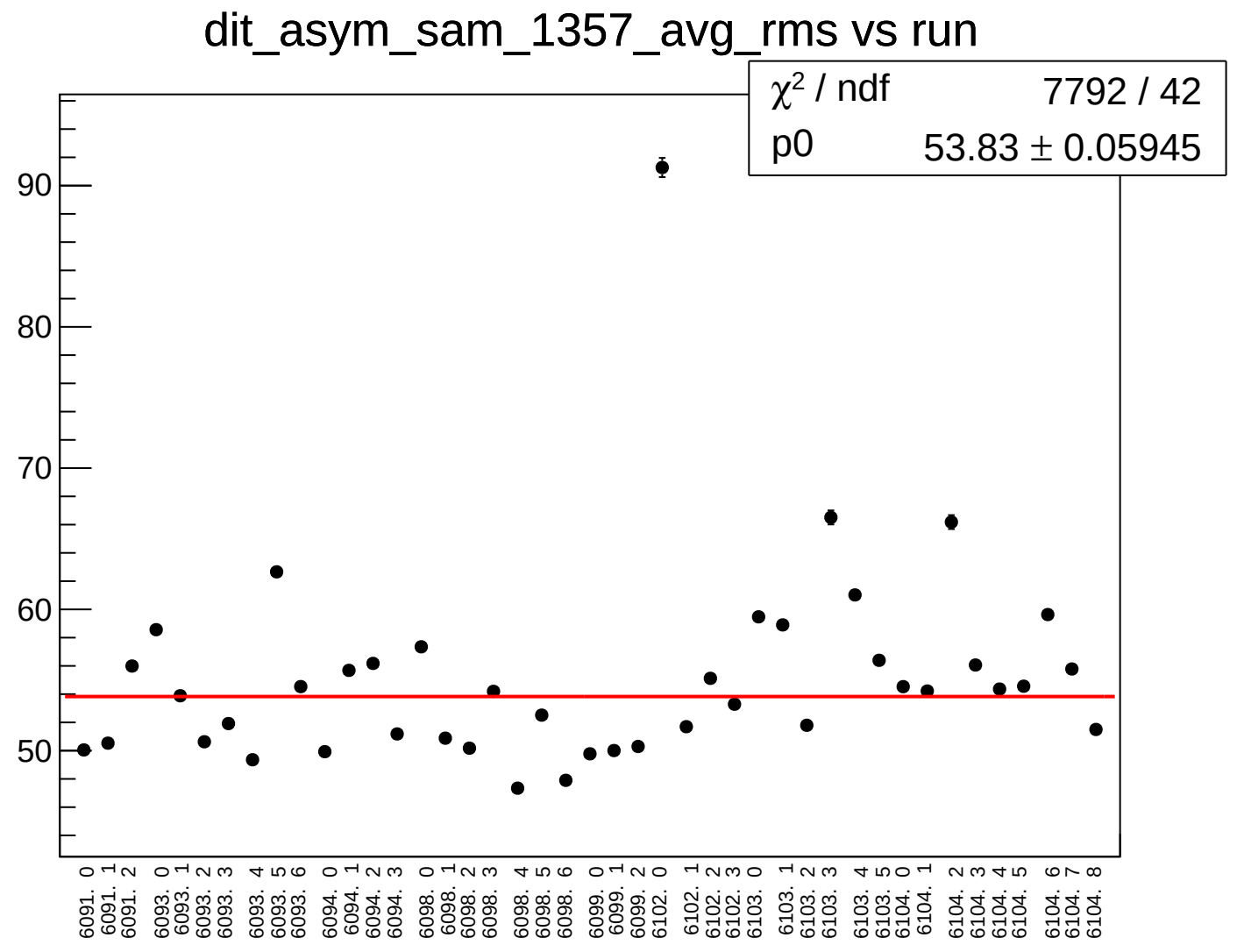

eigen_cor_asym_sam_1357_avg_rms vs run
χ² / ndf 4607 / 42
p0 47 ± 0.05181
70
65
60
55
50
45
40
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

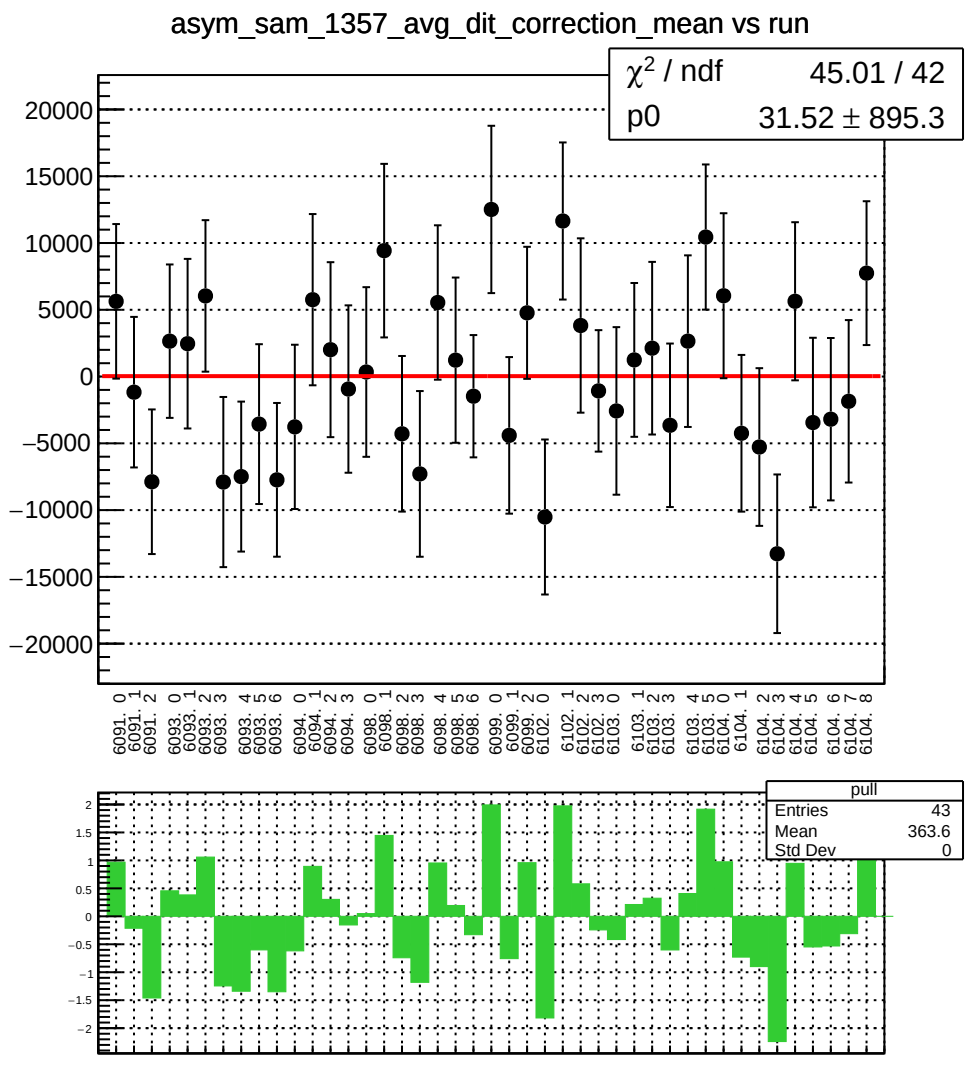

asym_sam_1357_avg_eigen_cor_correction_mean vs run
χ² / ndf 44.83 / 42
p0 37.27 ± 908.4
20000
15000
10000
5000
0
−5000
−10000
−15000
−20000
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean −3287
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 43
Mean −0.000243
Std Dev 1.021
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

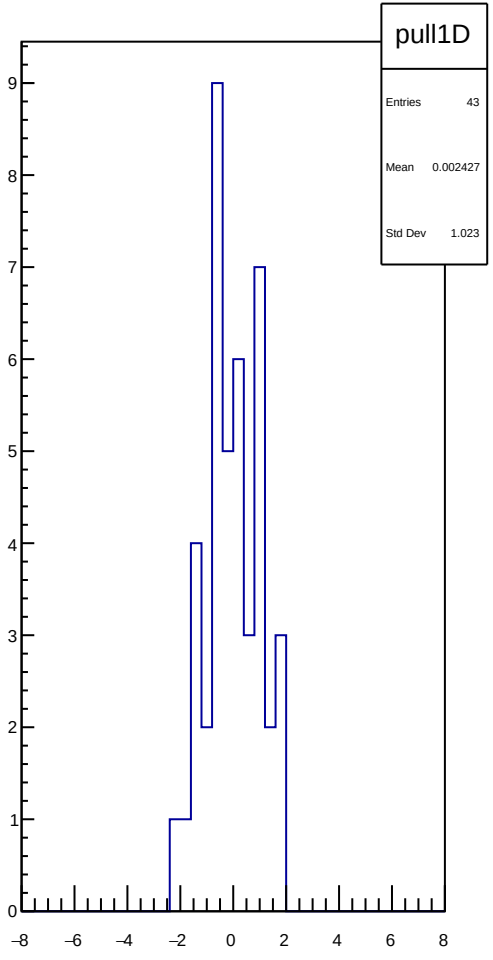

asym_sam_1357_avg_eigen_cor_correction_rms vs run
χ² / ndf 1589 / 42
p0 583.8 ± 0.6423
640
620
600
580
560
540
520
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

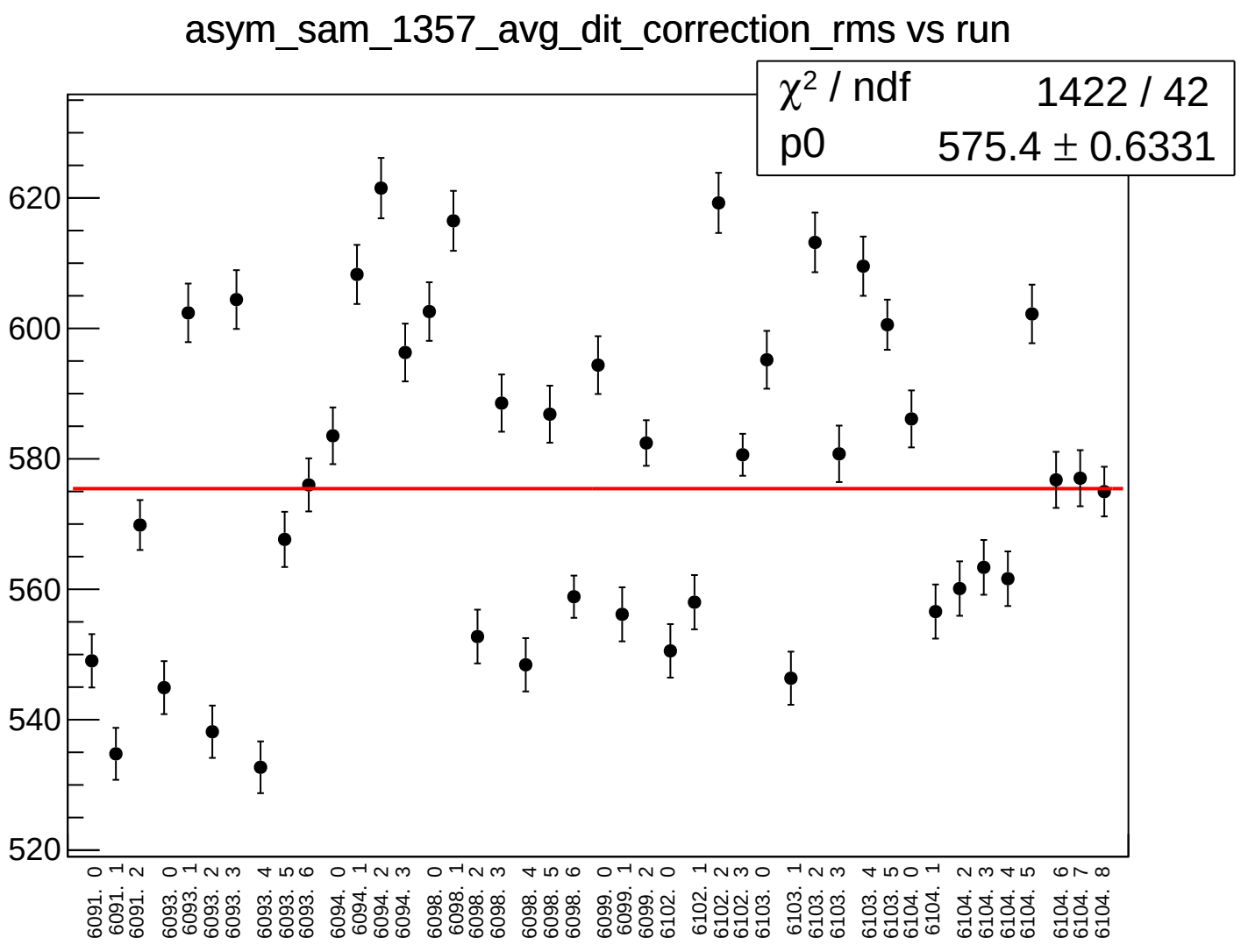

dit_asym_sam_1357_avg_mean vs run
χ² / ndf 42.44 / 42
p0 57.57 ± 84.08
3000
2000
1000
0
−1000
−2000
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 58.34
Std Dev 0
2
1
0
−1
−2
−3

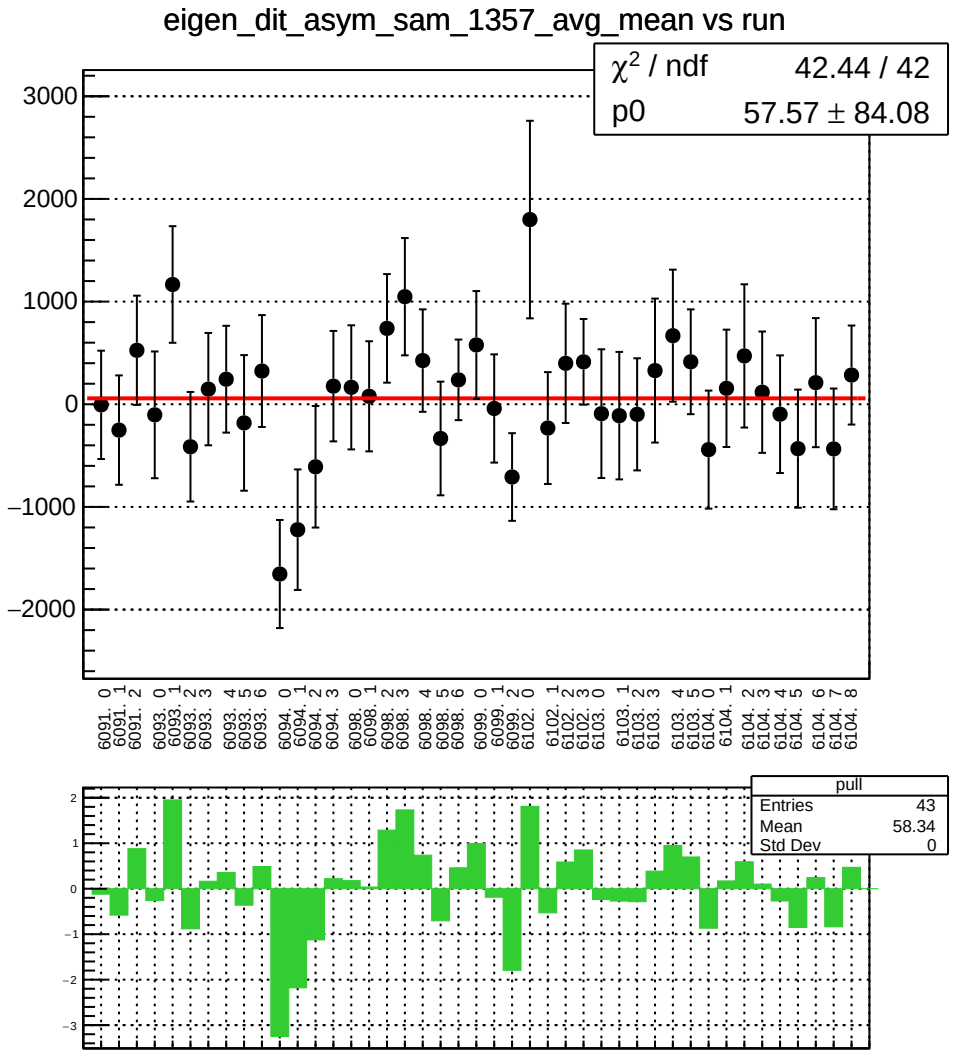

pull1D
Entries 43
Mean 0.01738
Std Dev 0.9933
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

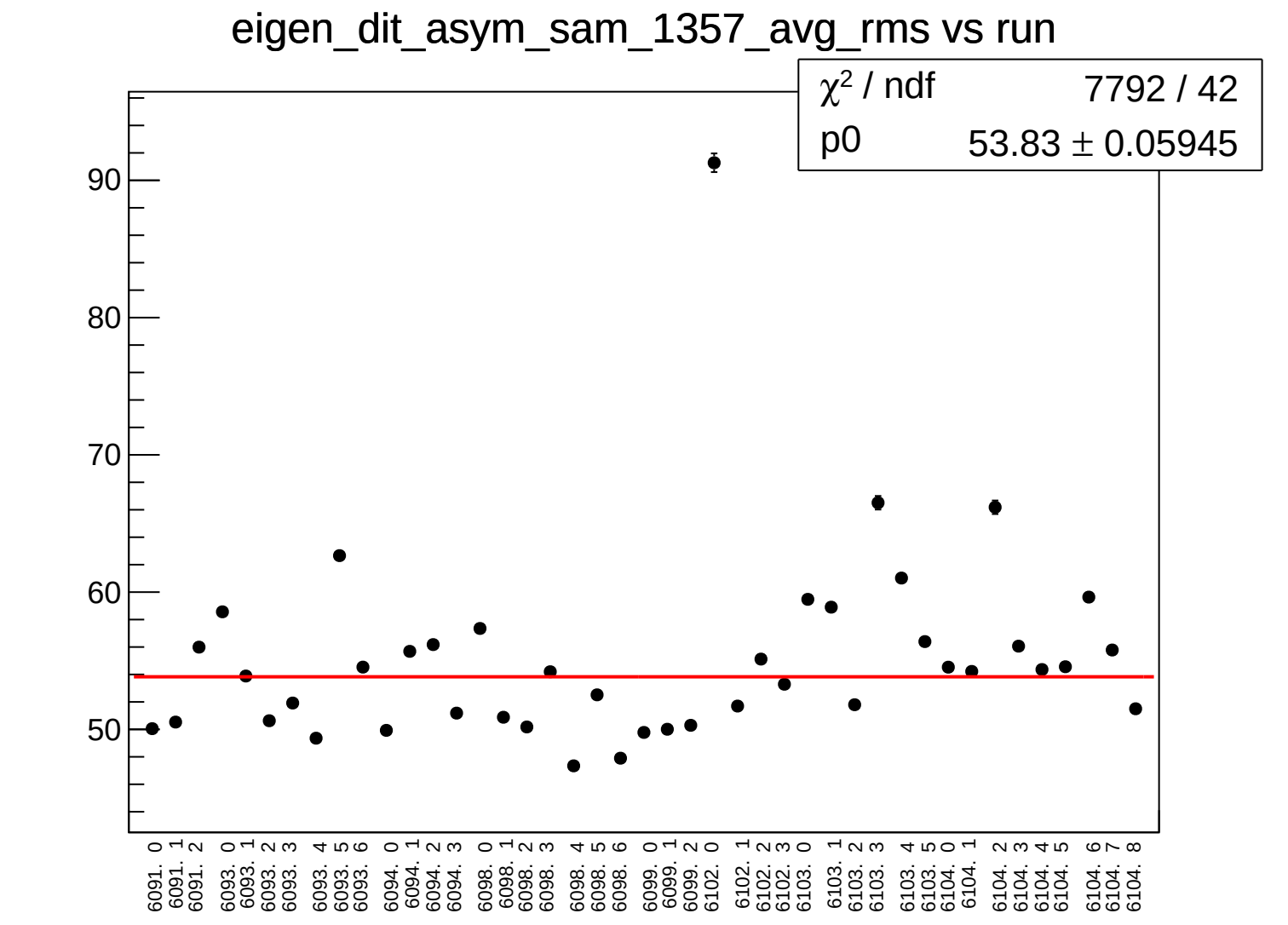

dit_asym_sam_1357_avg_rms vs run
χ² / ndf 7792 / 42
p0 53.83 ± 0.05945
90
80
70
60
50
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

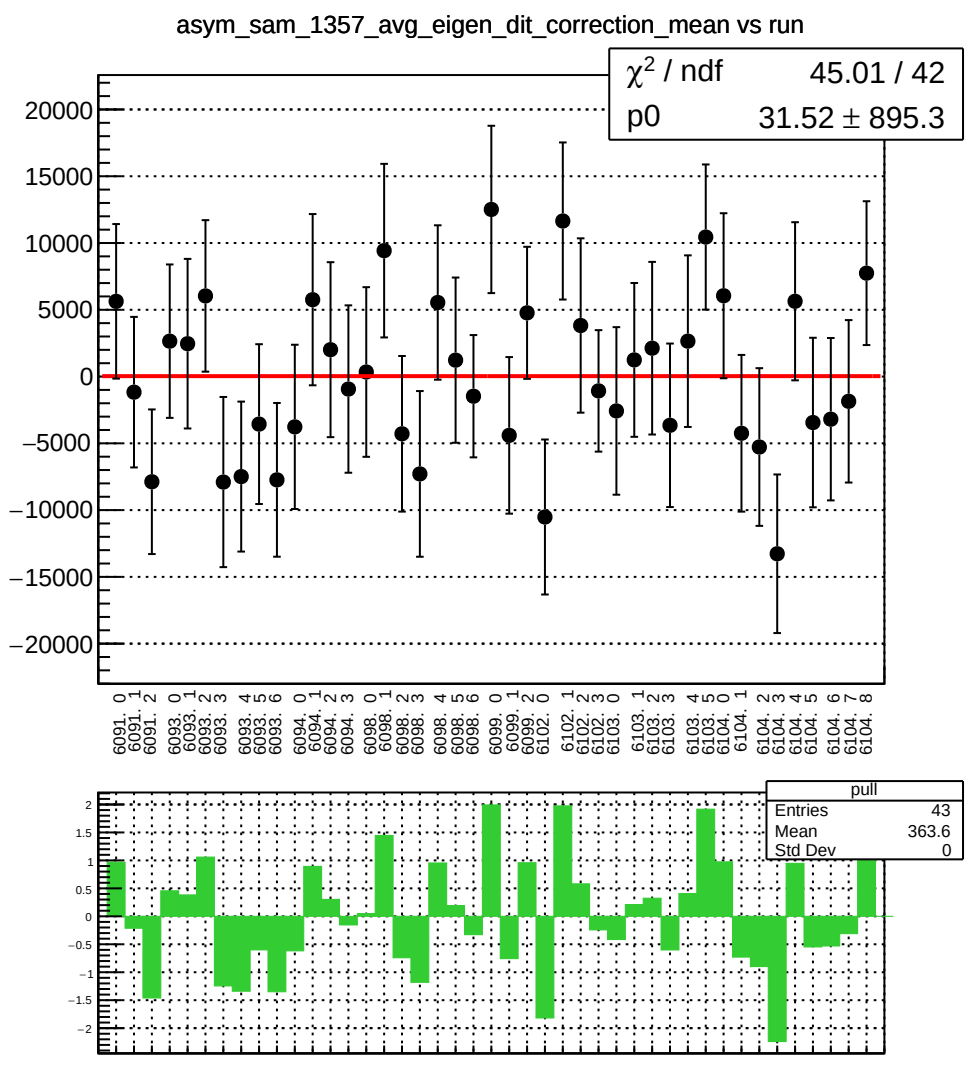

asym_sam_1357_avg_dit_correction_mean vs run
χ² / ndf 45.01 / 42
p0 31.52 ± 895.3
20000
15000
10000
5000
0
−5000
−10000
−15000
−20000
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 363.6
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

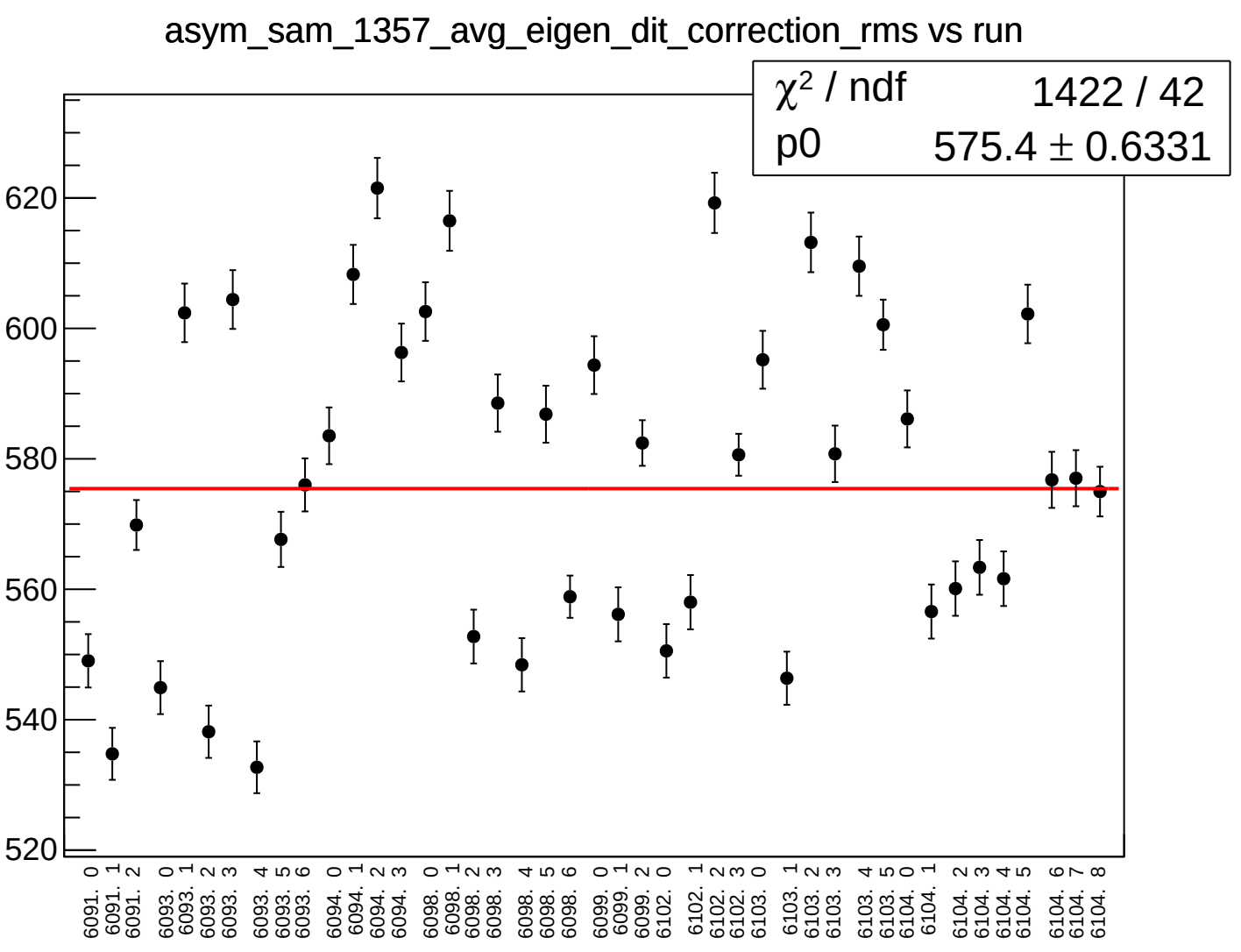

pull1D
Entries 43
Mean 0.002427
Std Dev 1.023
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

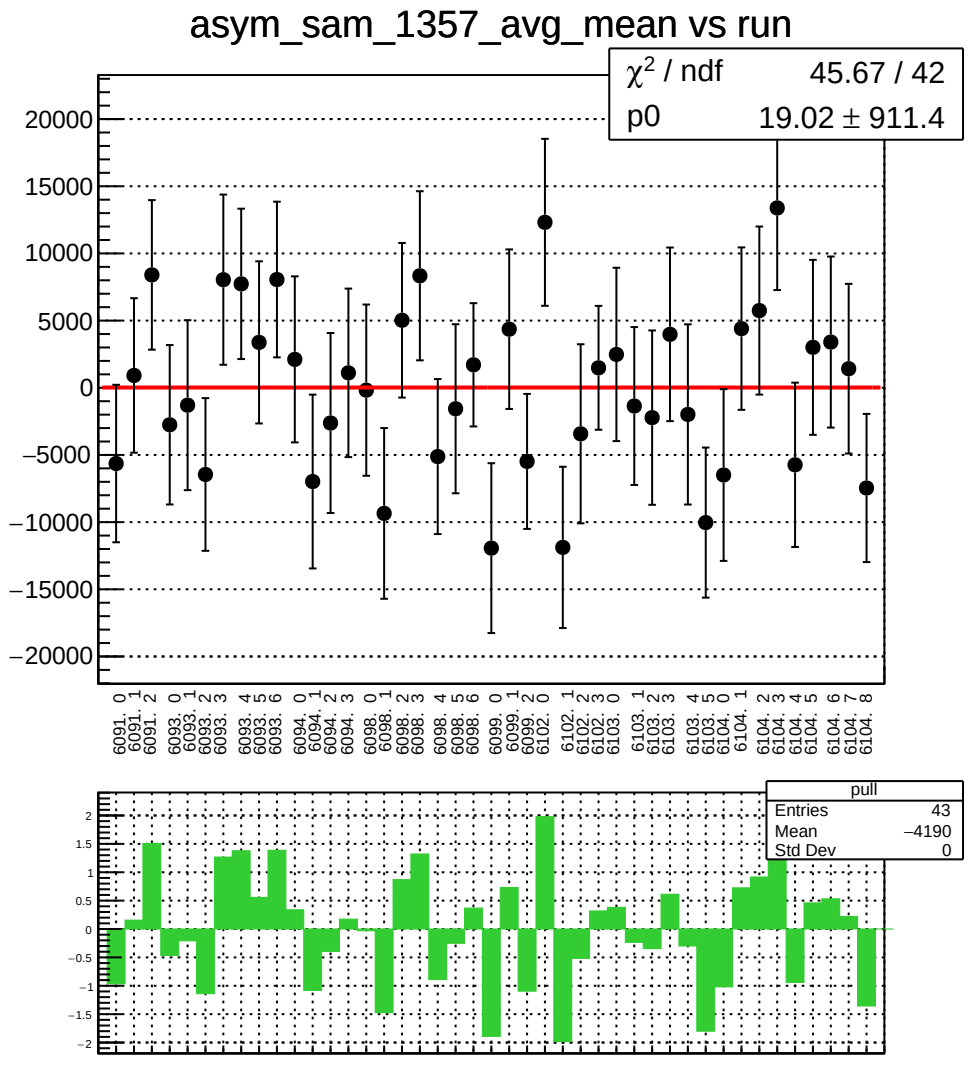

asym_sam_1357_avg_dit_correction_rms vs run
χ² / ndf 1422 / 42
p0 575.4 ± 0.6331
620
600
580
560
540
520
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

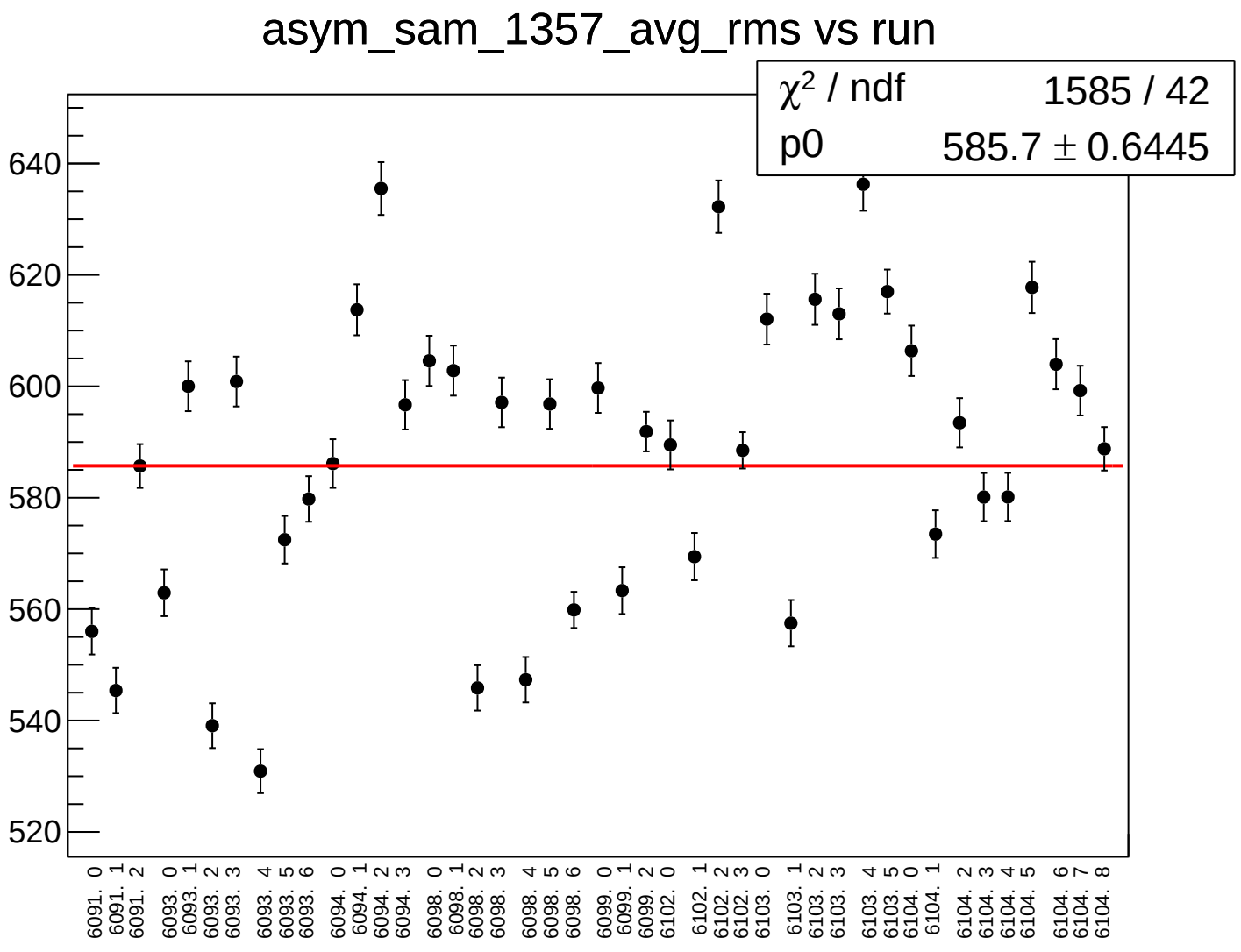

eigen_dit_asym_sam_1357_avg_mean vs run
χ² / ndf 42.44 / 42
p0 57.57 ± 84.08
3000
2000
1000
0
−1000
−2000
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 58.34
Std Dev 0
2
1
0
−1
−2
−3
pull1D
Entries 43
Mean 0.01738
Std Dev 0.9933
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

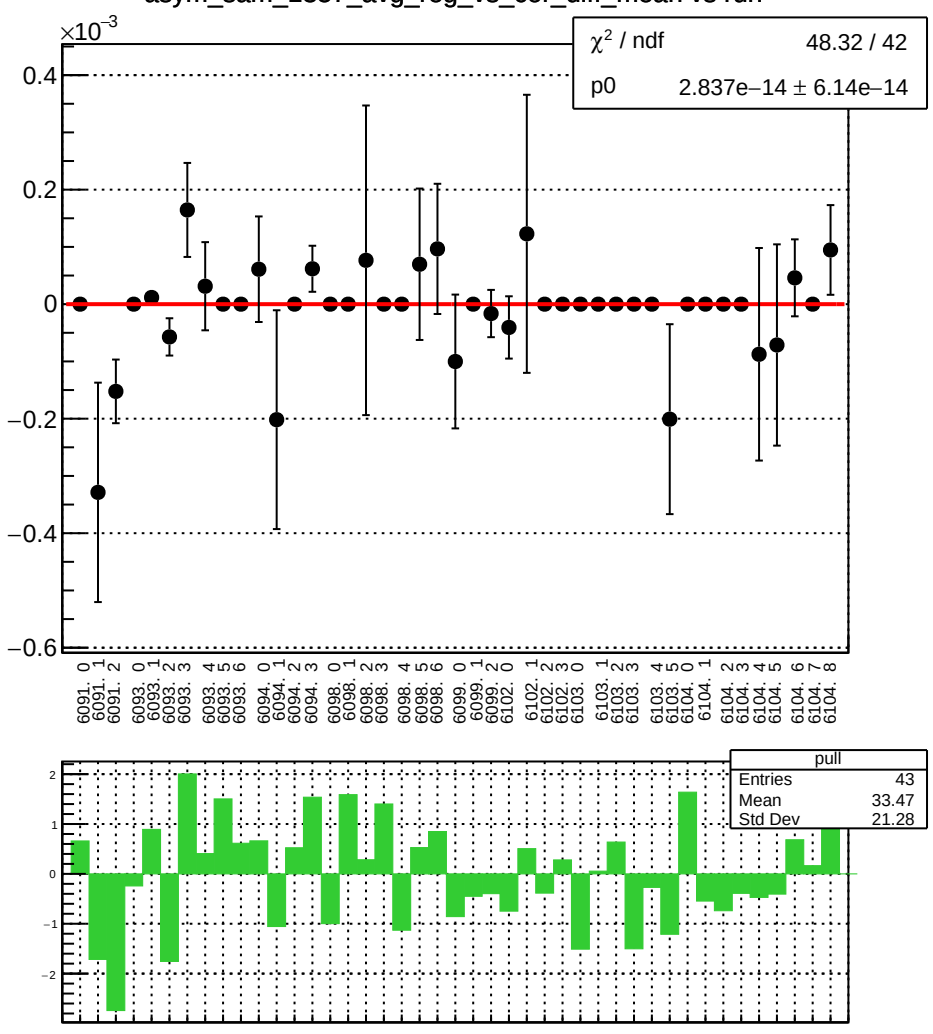

eigen_dit_asym_sam_1357_avg_rms vs run
χ² / ndf 7792 / 42
p0 53.83 ± 0.05945
90
80
70
60
50
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

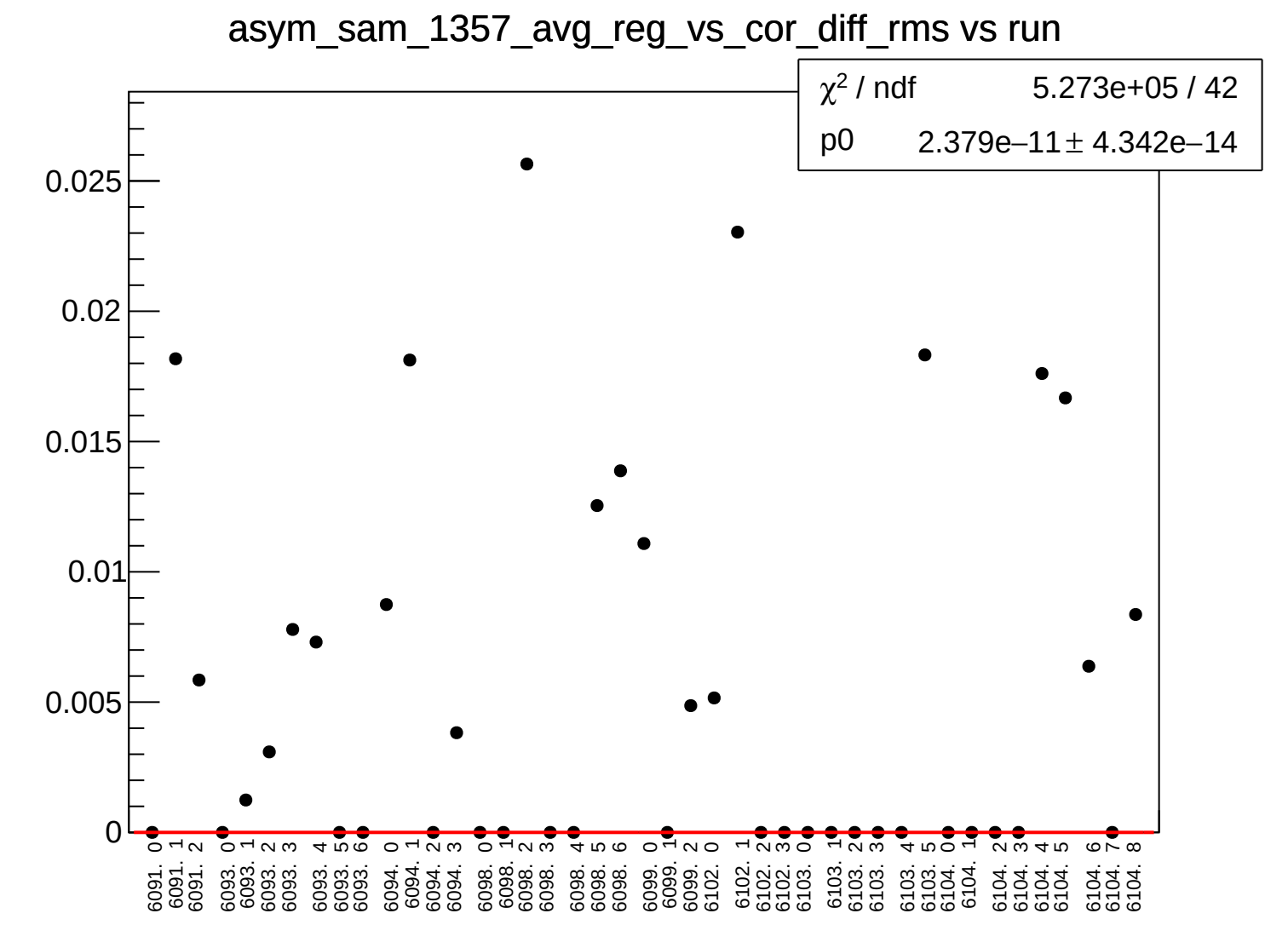

asym_sam_1357_avg_eigen_dit_correction_mean vs run
χ² / ndf 45.01 / 42
p0 31.52 ± 895.3
20000
15000
10000
5000
0
−5000
−10000
−15000
−20000
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 363.6
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 43
Mean 0.002427
Std Dev 1.023
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

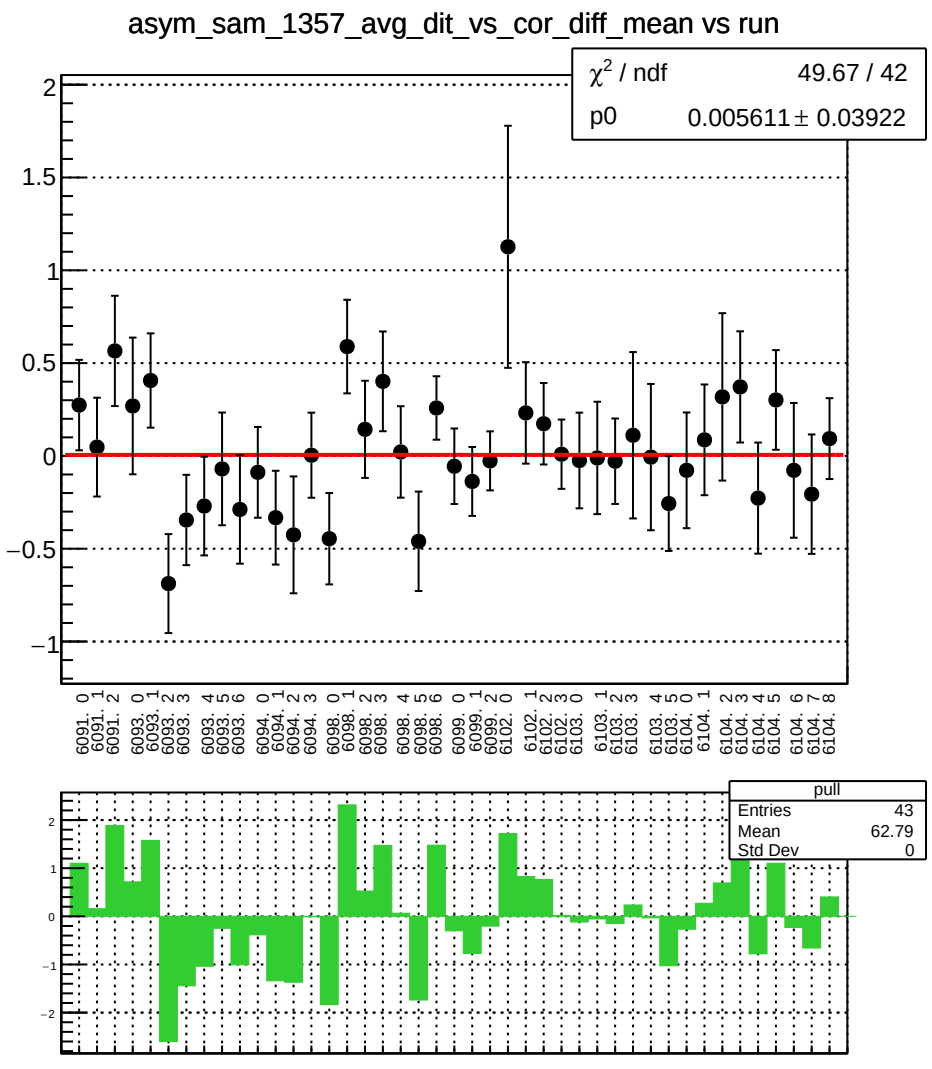

asym_sam_1357_avg_eigen_dit_correction_rms vs run
χ² / ndf 1422 / 42
p0 575.4 ± 0.6331
620
600
580
560
540
520
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

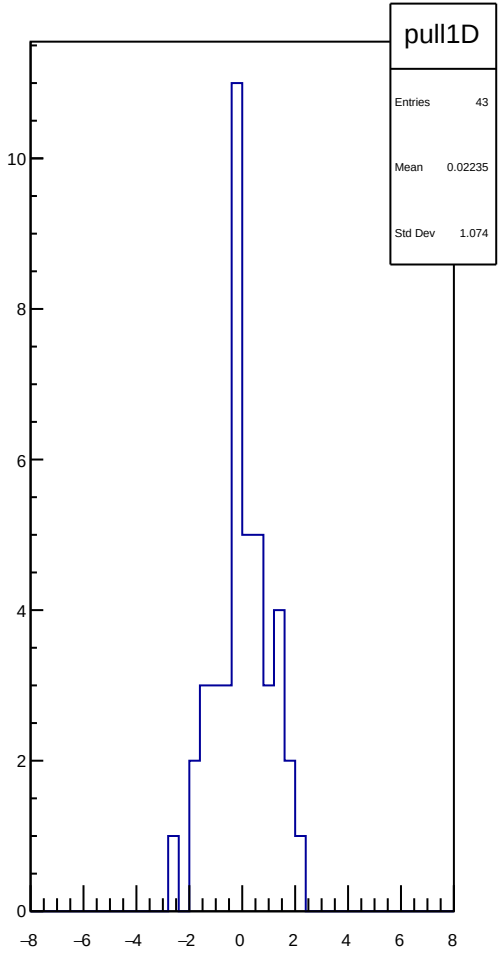

asym_sam_1357_avg_mean vs run
χ² / ndf 45.67 / 42
p0 19.02 ± 911.4
20000
15000
10000
5000
0
−5000
−10000
−15000
−20000
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean −4190
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 43
Mean 0.0001838
Std Dev 1.031
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

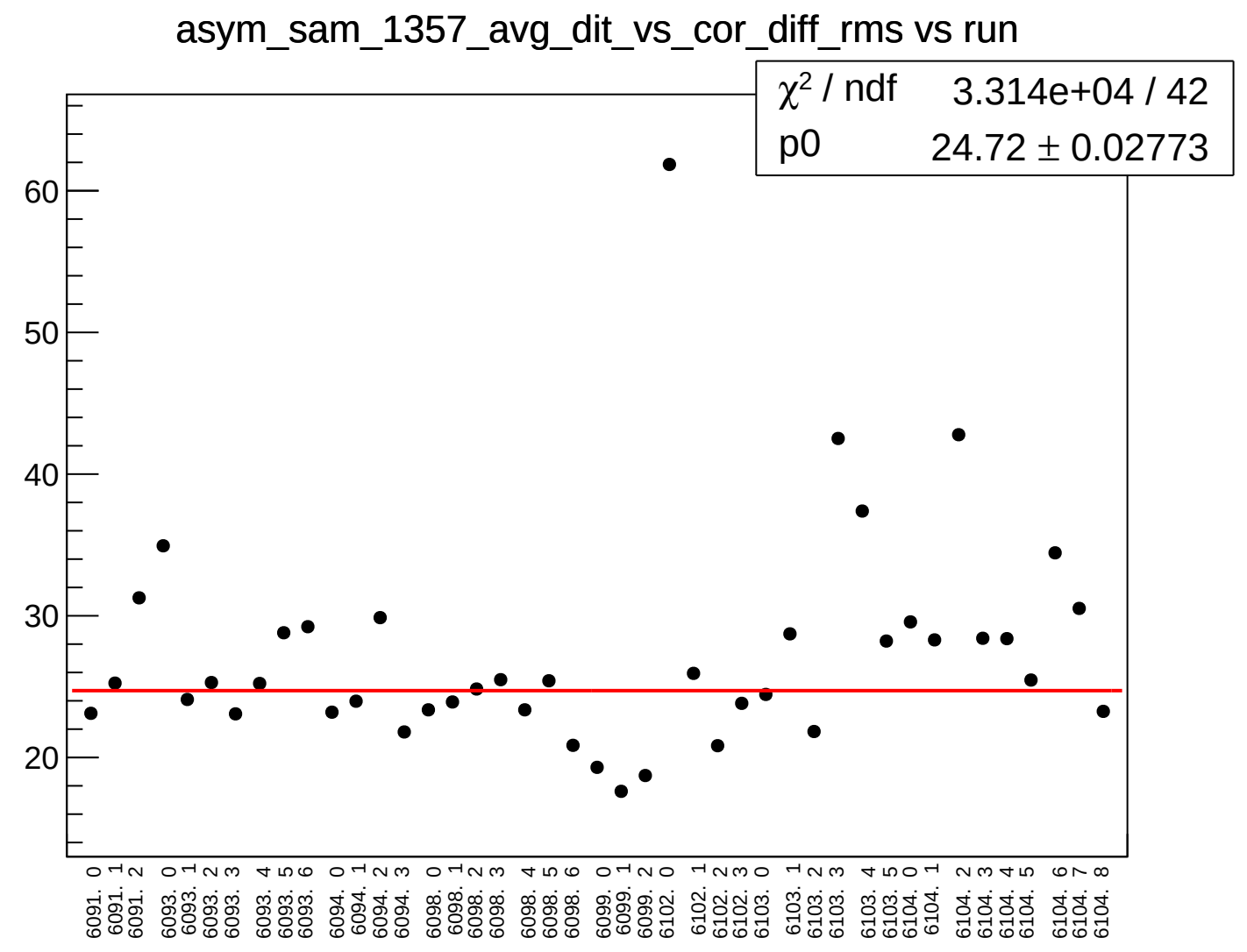

asym_sam_1357_avg_rms vs run
χ² / ndf 1585 / 42
p0 585.7 ± 0.6445
640
620
600
580
560
540
520
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

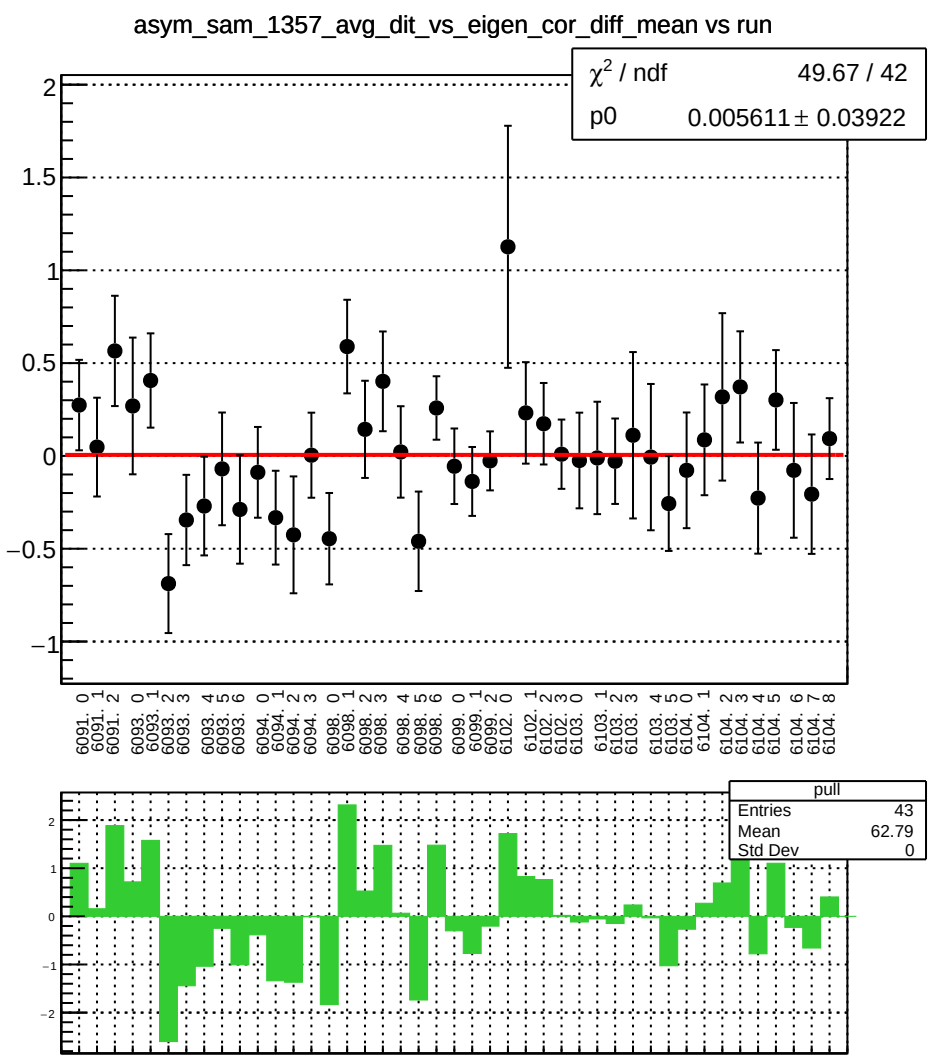

asym_sam_1357_avg_reg_vs_cor_diff_mean vs run
×10⁻³
χ² / ndf 48.32 / 42
p0 2.837e−14 ± 6.14e−14
0.4
0.2
0
−0.2
−0.4
−0.6
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 33.47
Std Dev 21.28
2
1
0
−1
−2
pull1D
Entries 43
Mean −0.02066
Std Dev 1.06
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

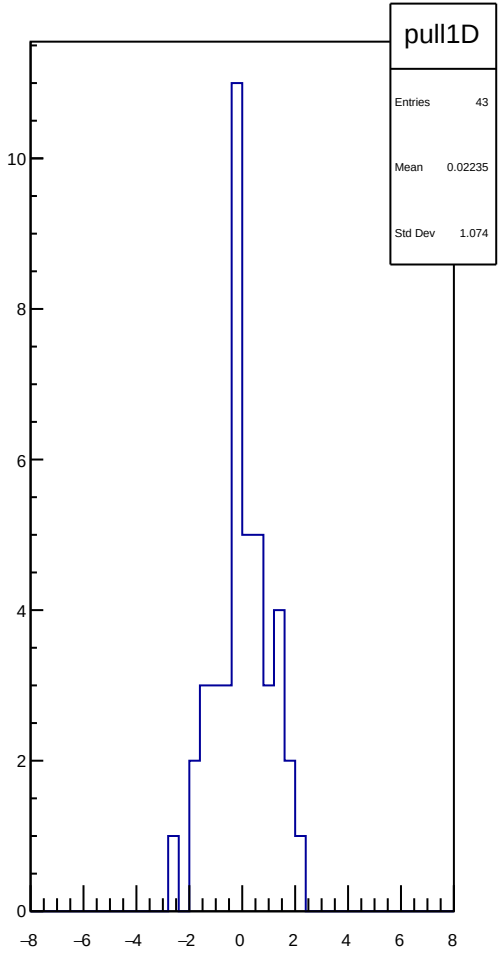

asym_sam_1357_avg_reg_vs_cor_diff_rms vs run
χ² / ndf 5.273e+05 / 42
p0 2.379e−11 ± 4.342e−14
0.025
0.02
0.015
0.01
0.005
0
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

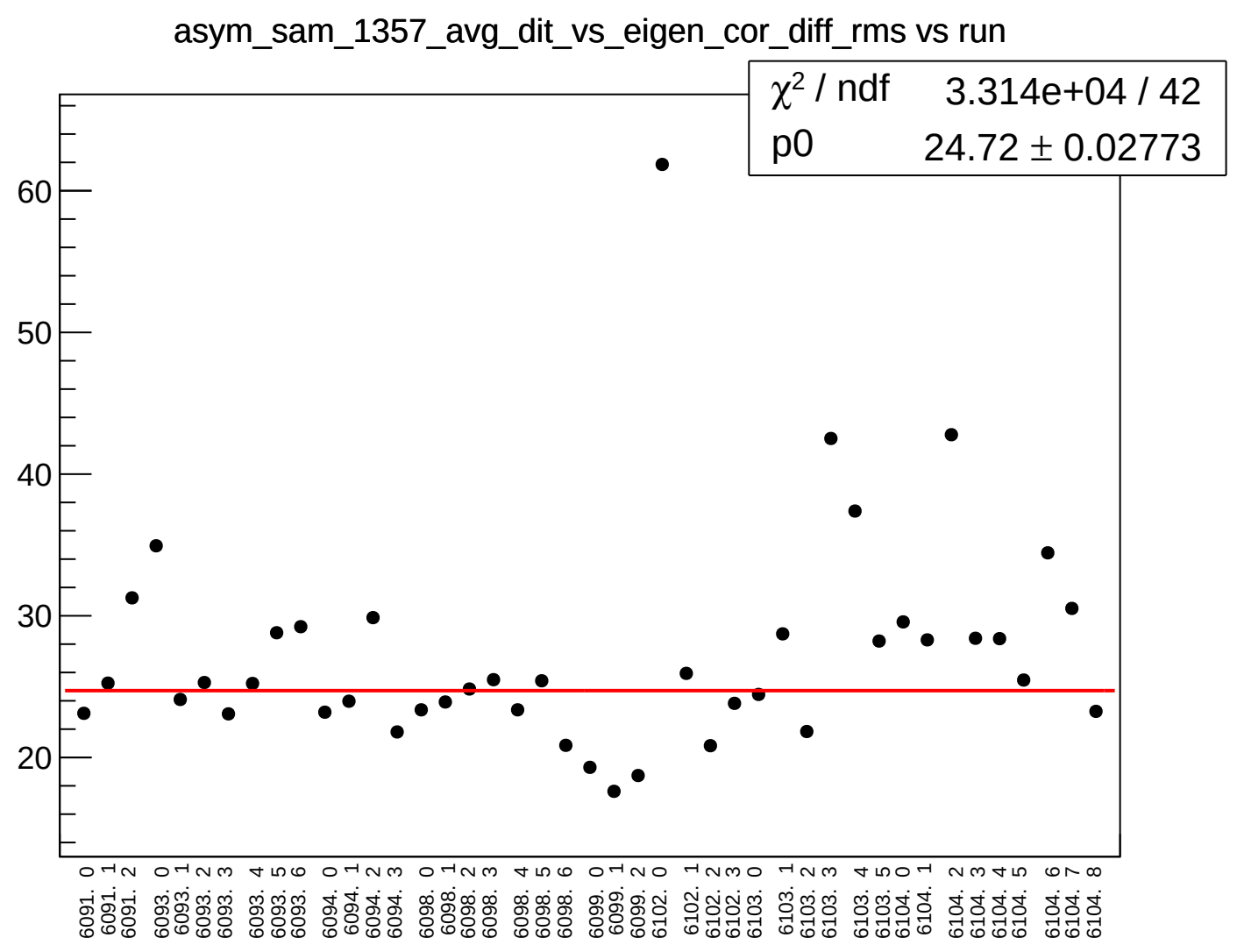

asym_sam_1357_avg_dit_vs_cor_diff_mean vs run
χ² / ndf 49.67 / 42
p0 0.005611 ± 0.03922
pull
Entries 43
Mean 62.79
Std Dev 0

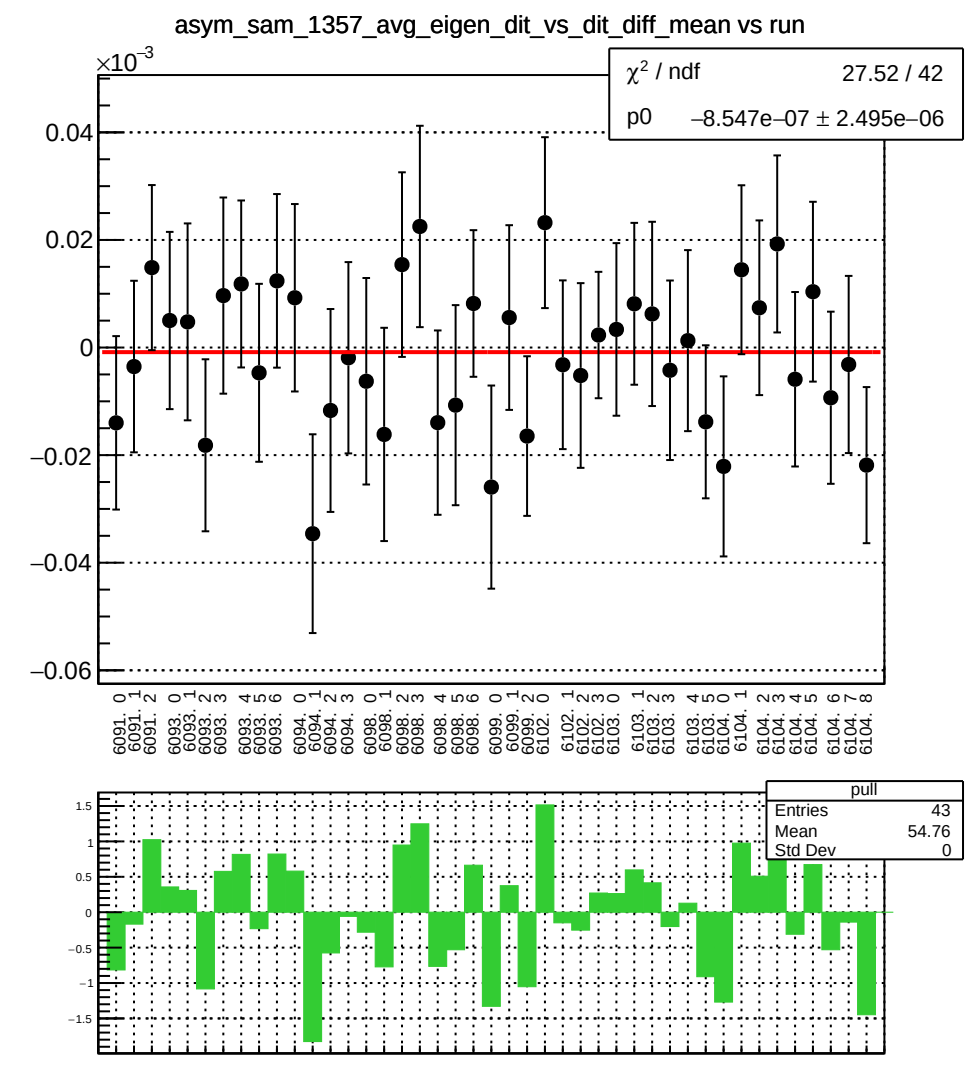

pull1D
Entries 43
Mean 0.02235
Std Dev 1.074

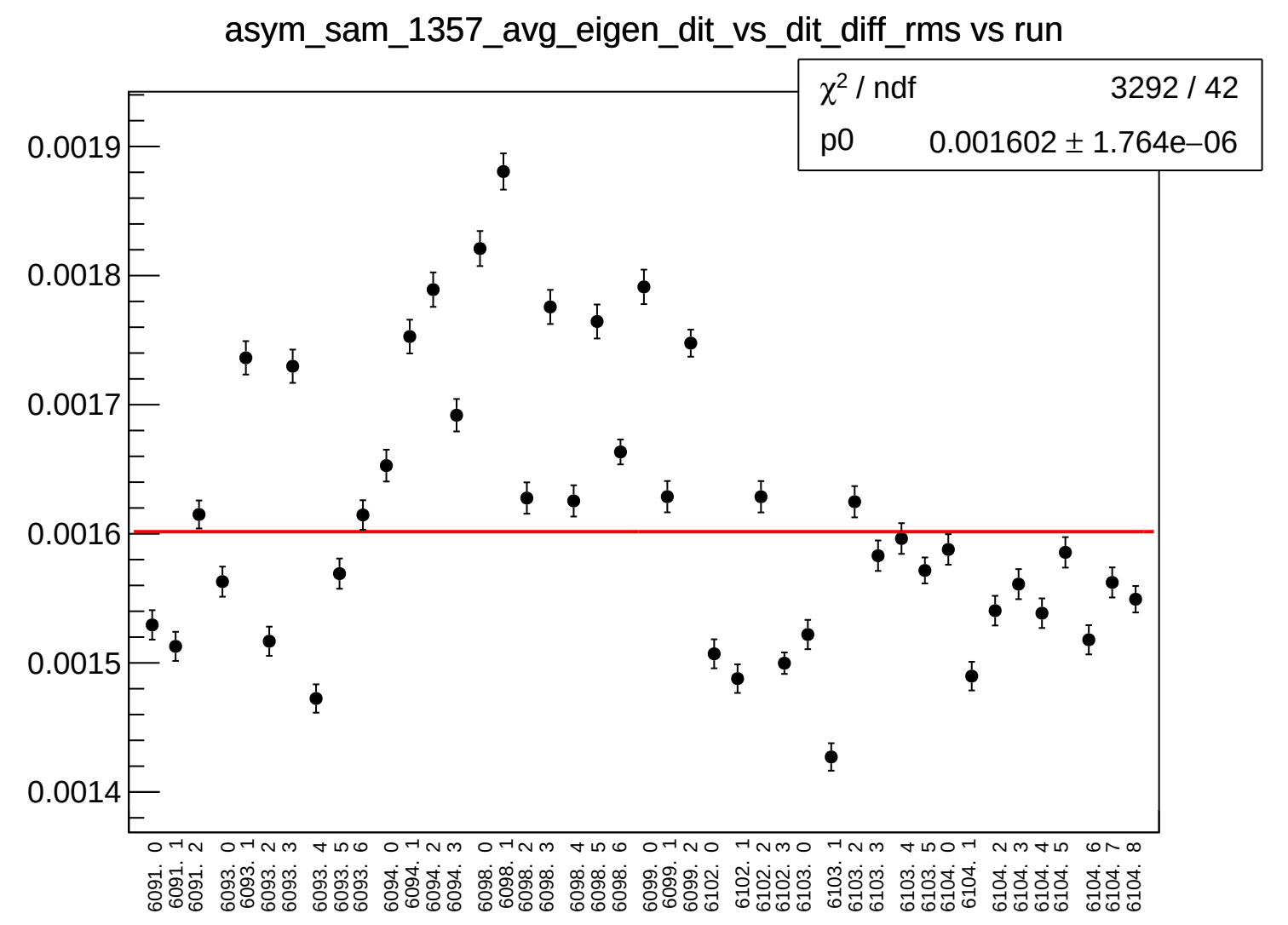

asym_sam_1357_avg_dit_vs_cor_diff_rms vs run
χ² / ndf 3.314e+04 / 42
p0 24.72 ± 0.02773
60
50
40
30
20
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

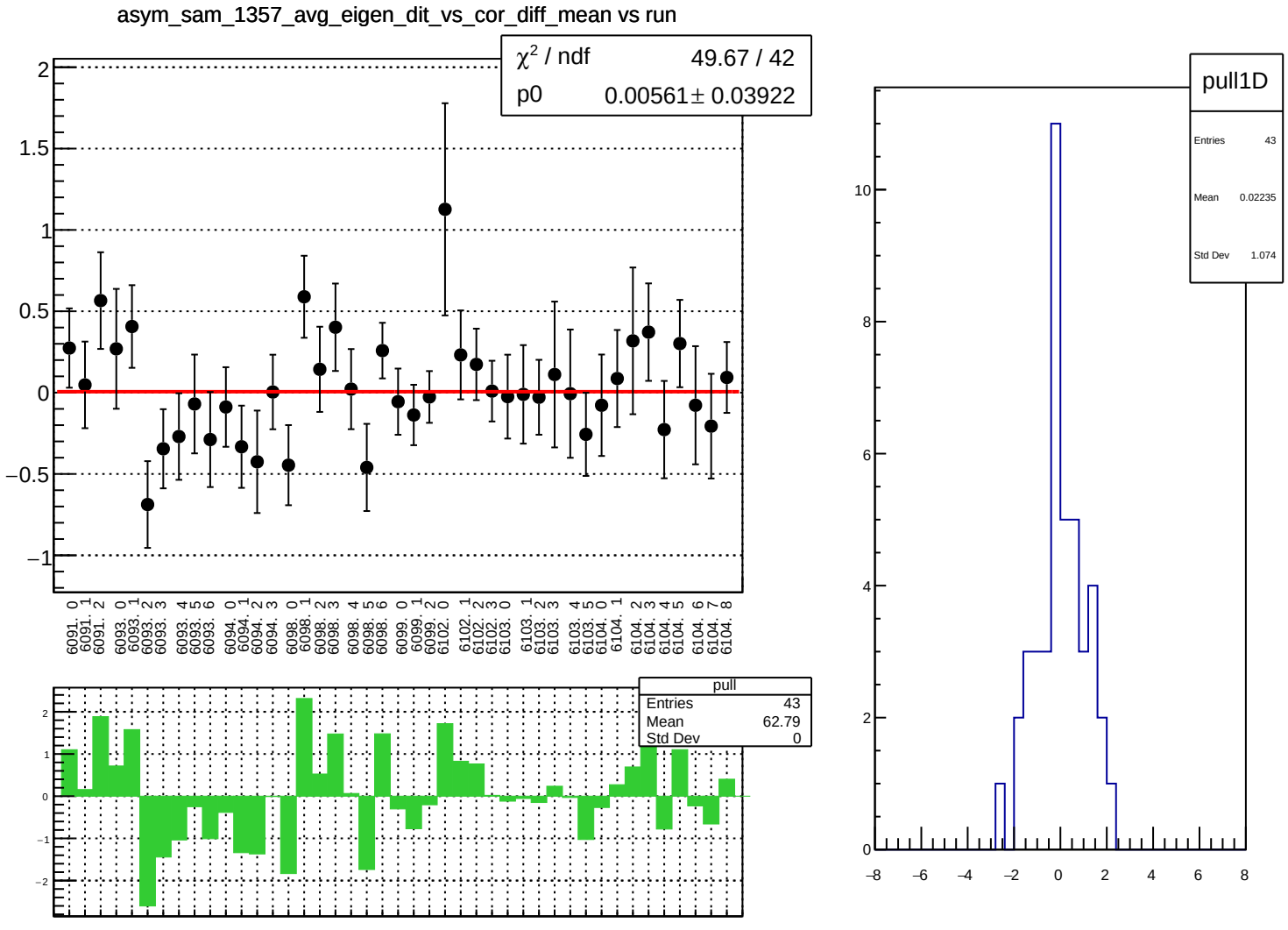

asym_sam_1357_avg_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 49.67 / 42
p0 0.005611 ± 0.03922
pull
Entries 43
Mean 62.79
Std Dev 0

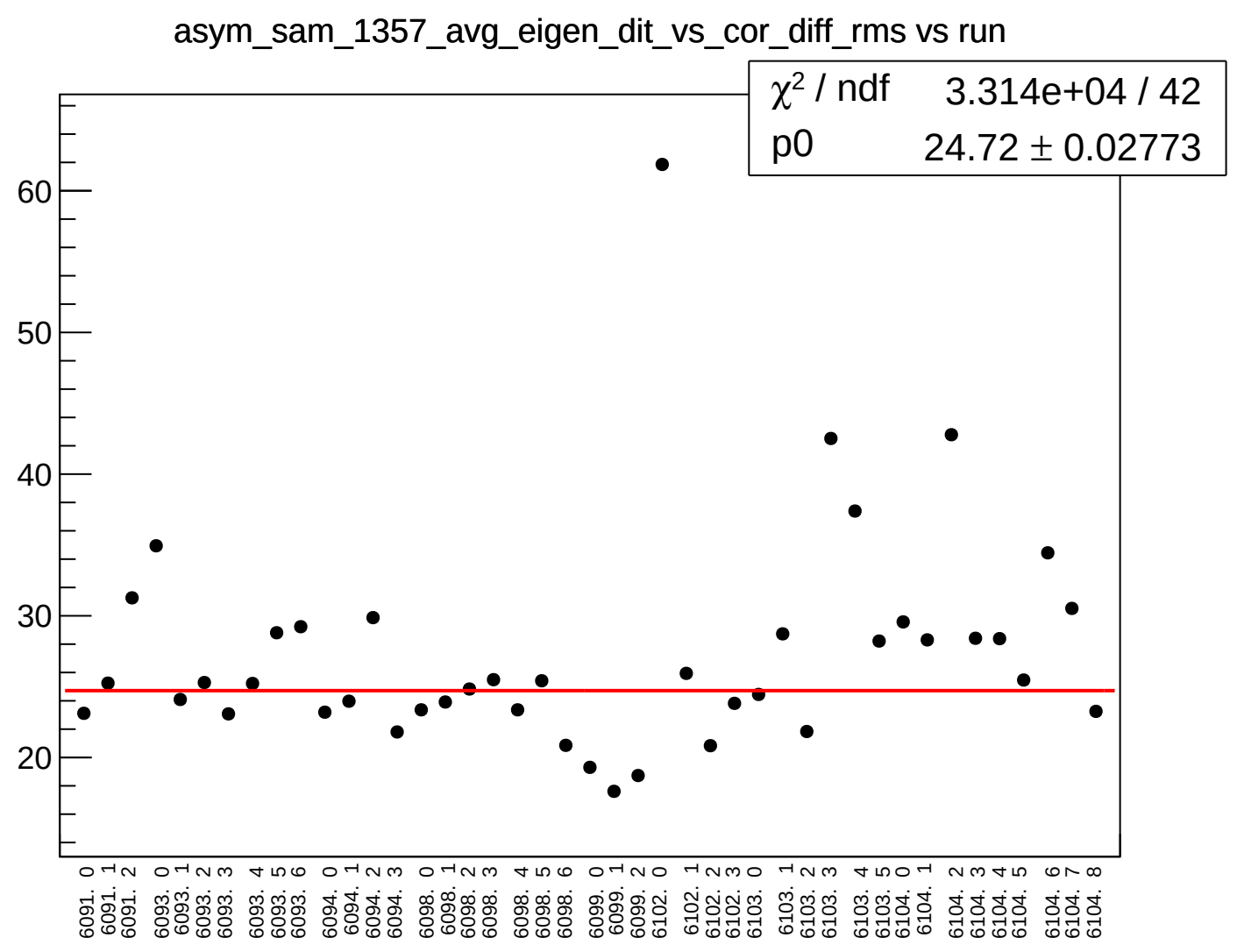

pull1D
Entries 43
Mean 0.02235
Std Dev 1.074

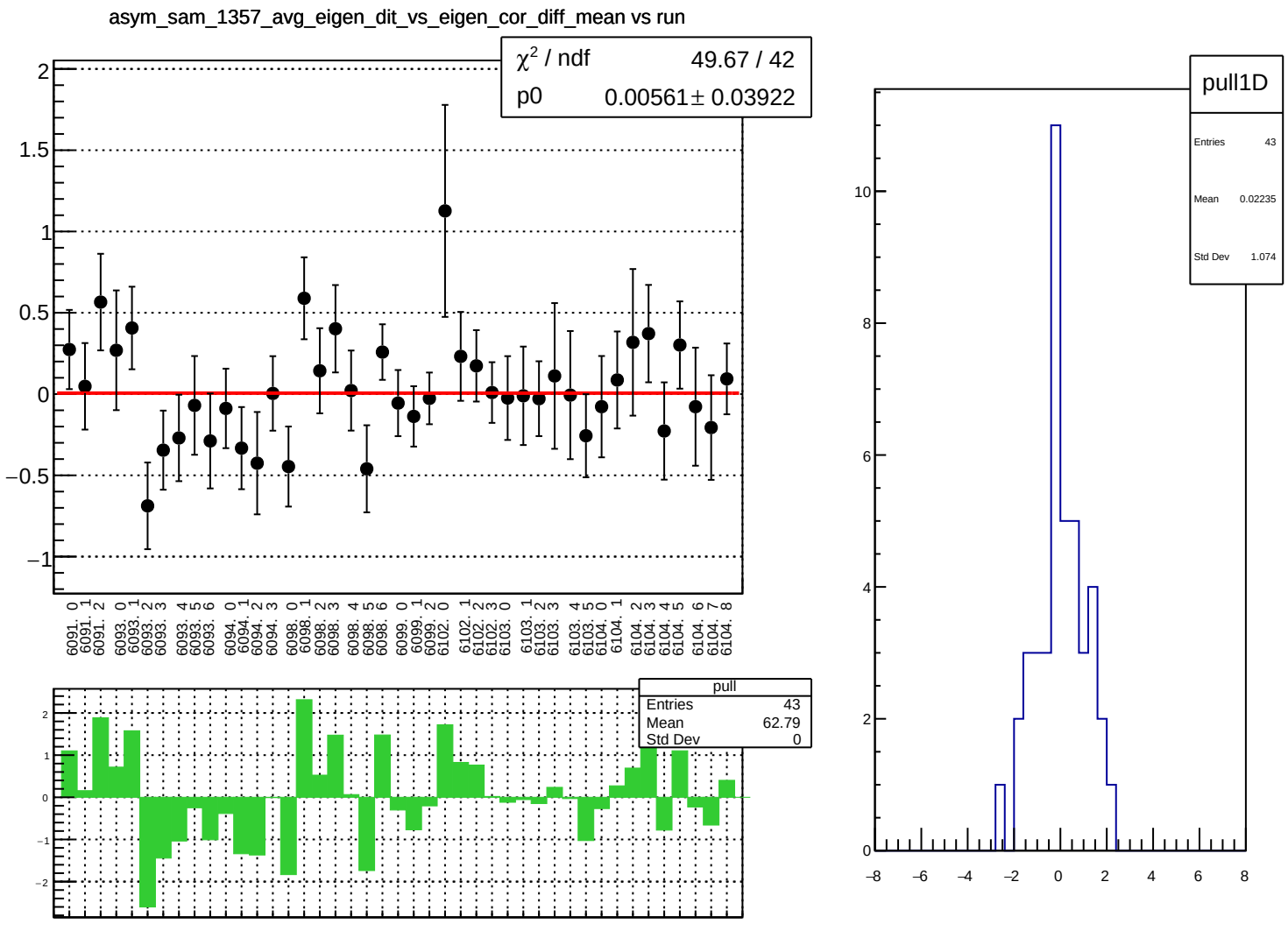

asym_sam_1357_avg_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 3.314e+04 / 42
p0 24.72 ± 0.02773
60
50
40
30
20
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

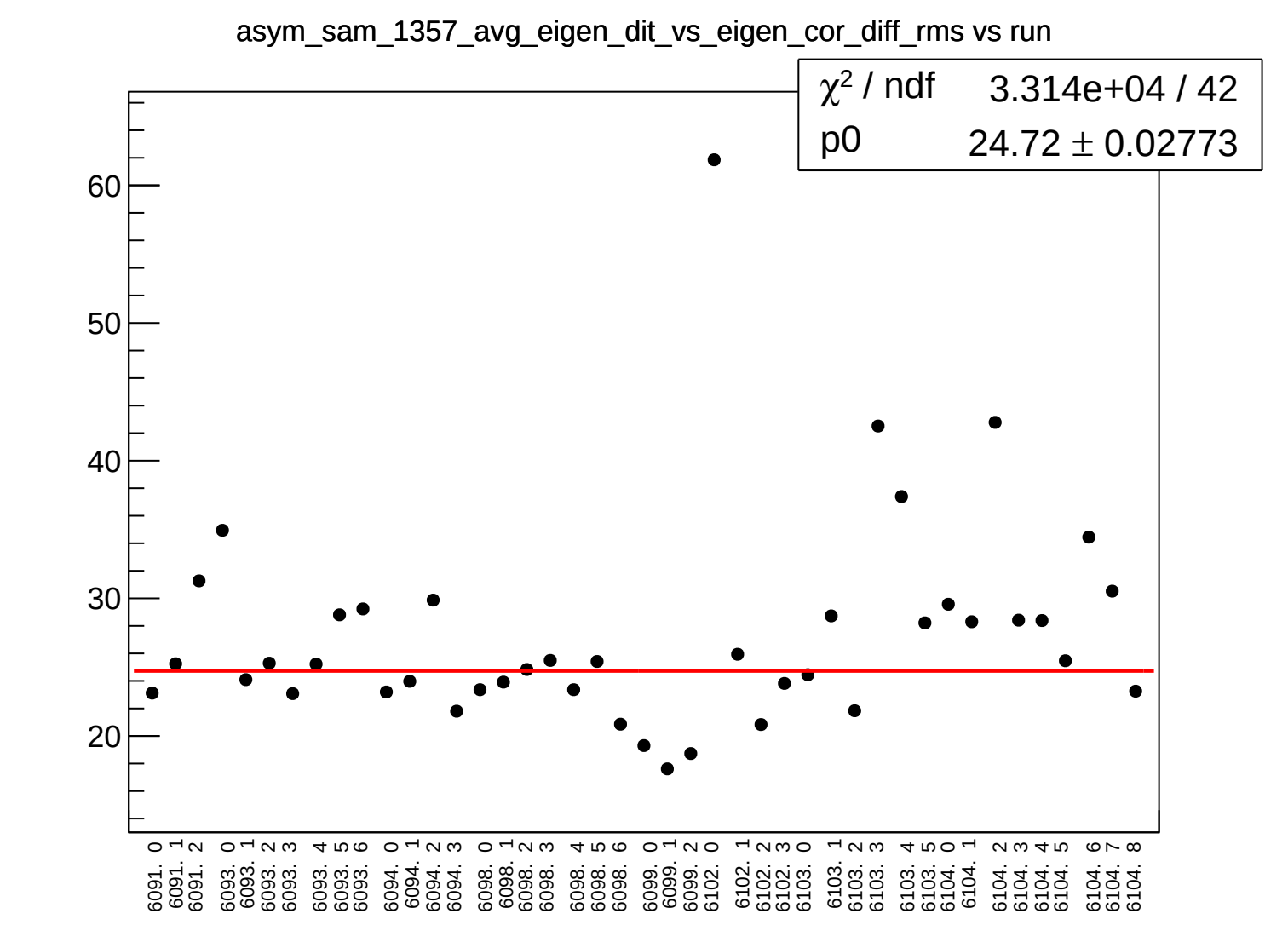

asym_sam_1357_avg_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 27.52 / 42
p0 −8.547e−07 ± 2.495e−06
0.04
0.02
0
−0.02
−0.04
−0.06
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 54.76
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 43
Mean −0.009678
Std Dev 0.7999
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

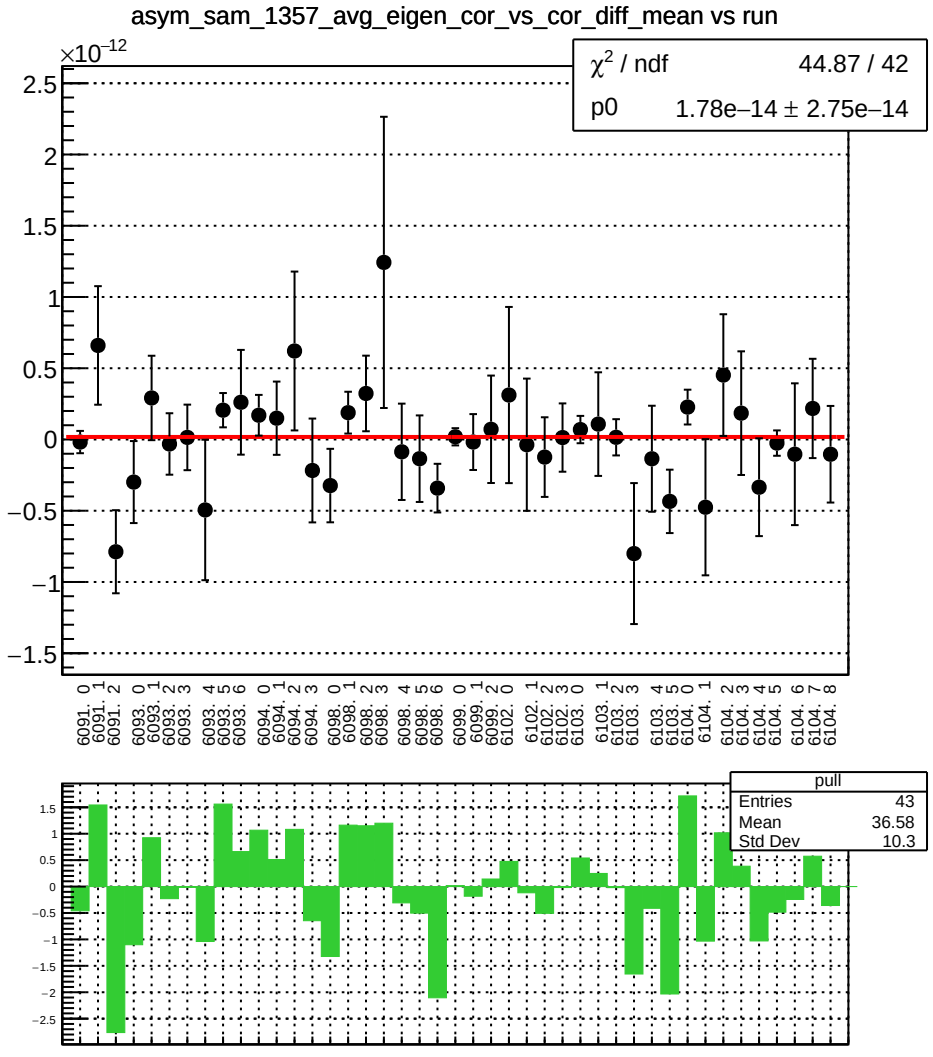

asym_sam_1357_avg_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 3292 / 42
p0 0.001602 ± 1.764e−06
0.0019
0.0018
0.0017
0.0016
0.0015
0.0014
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

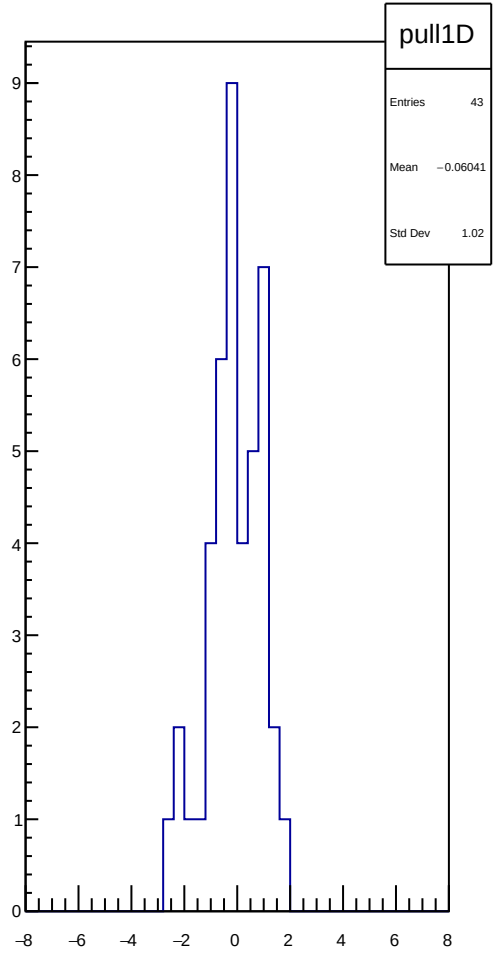

asym_sam_1357_avg_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 49.67 / 42
p0 0.00561 ± 0.03922
pull
Entries 43
Mean 62.79
Std Dev 0
pull1D
Entries 43
Mean 0.02235
Std Dev 1.074

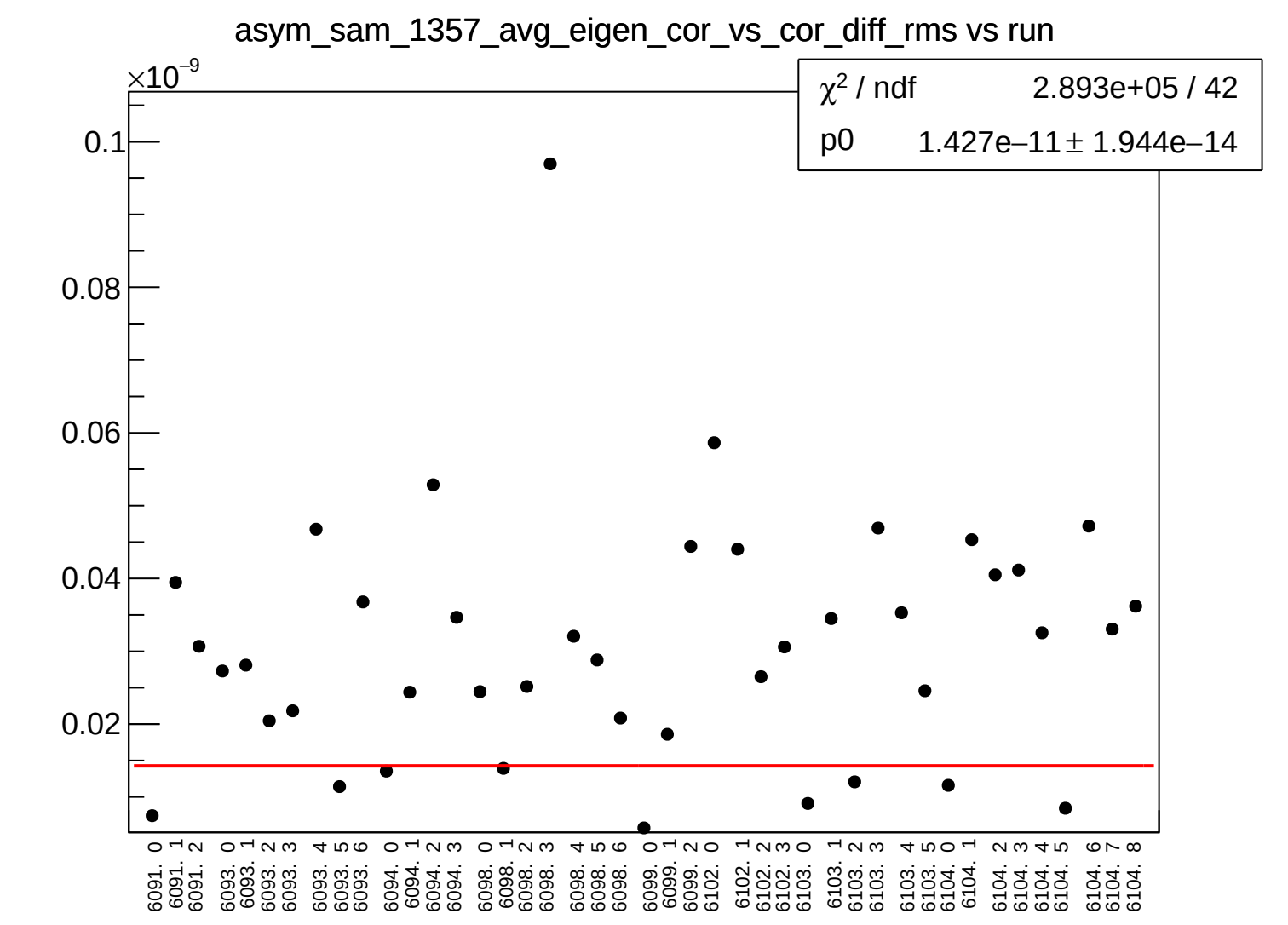

asym_sam_1357_avg_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 3.314e+04 / 42
p0 24.72 ± 0.02773
60
50
40
30
20
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

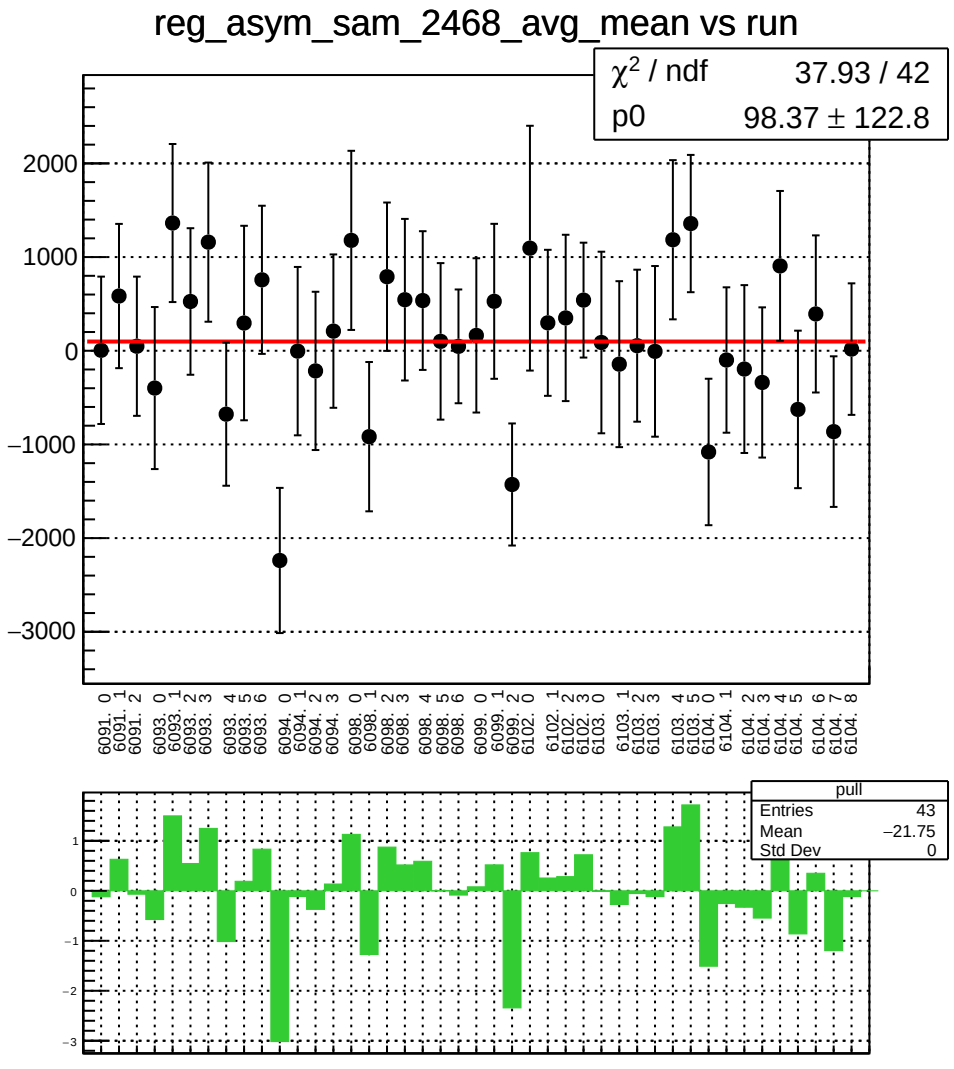

asym_sam_1357_avg_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 49.67 / 42
p0 0.00561 ± 0.03922
pull
Entries 43
Mean 62.79
Std Dev 0
pull1D
Entries 43
Mean 0.02235
Std Dev 1.074

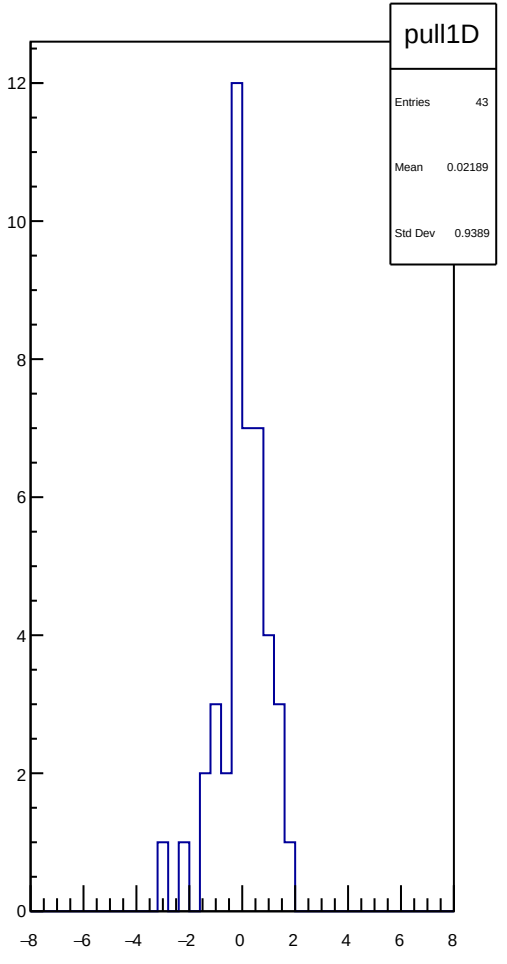

asym_sam_1357_avg_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 3.314e+04 / 42
p0 24.72 ± 0.02773
60
50
40
30
20
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

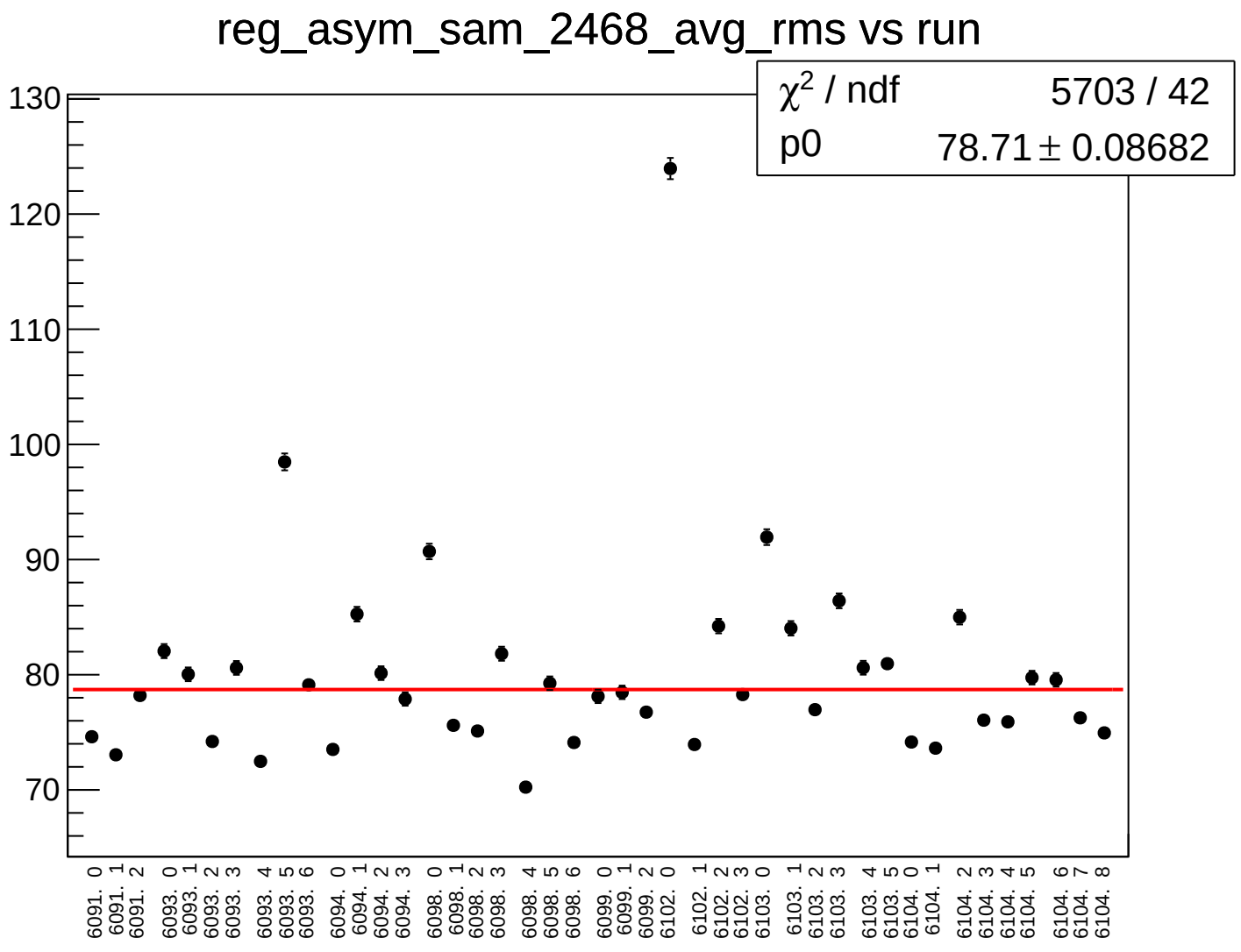

asym_sam_1357_avg_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 44.87 / 42
p0 1.78e−14 ± 2.75e−14
pull
Entries 43
Mean 36.58
Std Dev 10.3

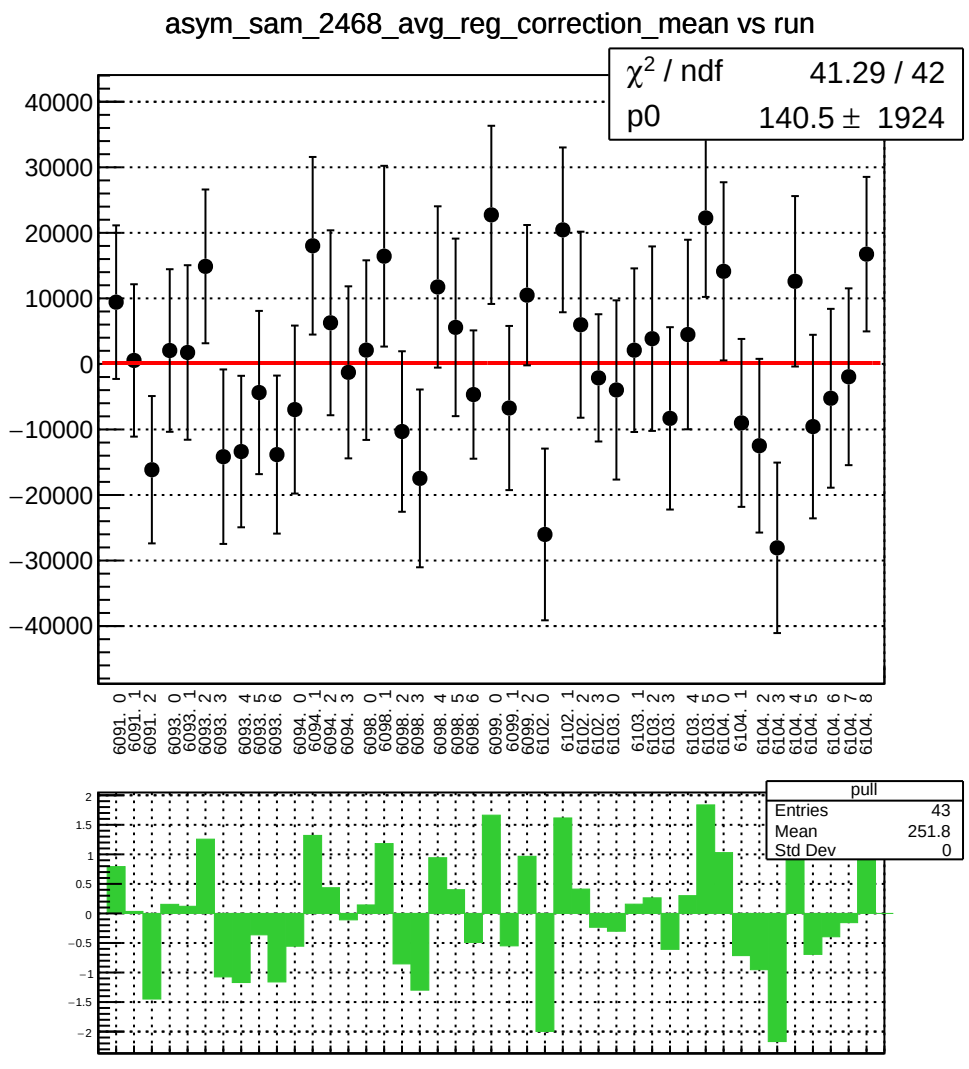

pull1D
Entries 43
Mean −0.06041
Std Dev 1.02

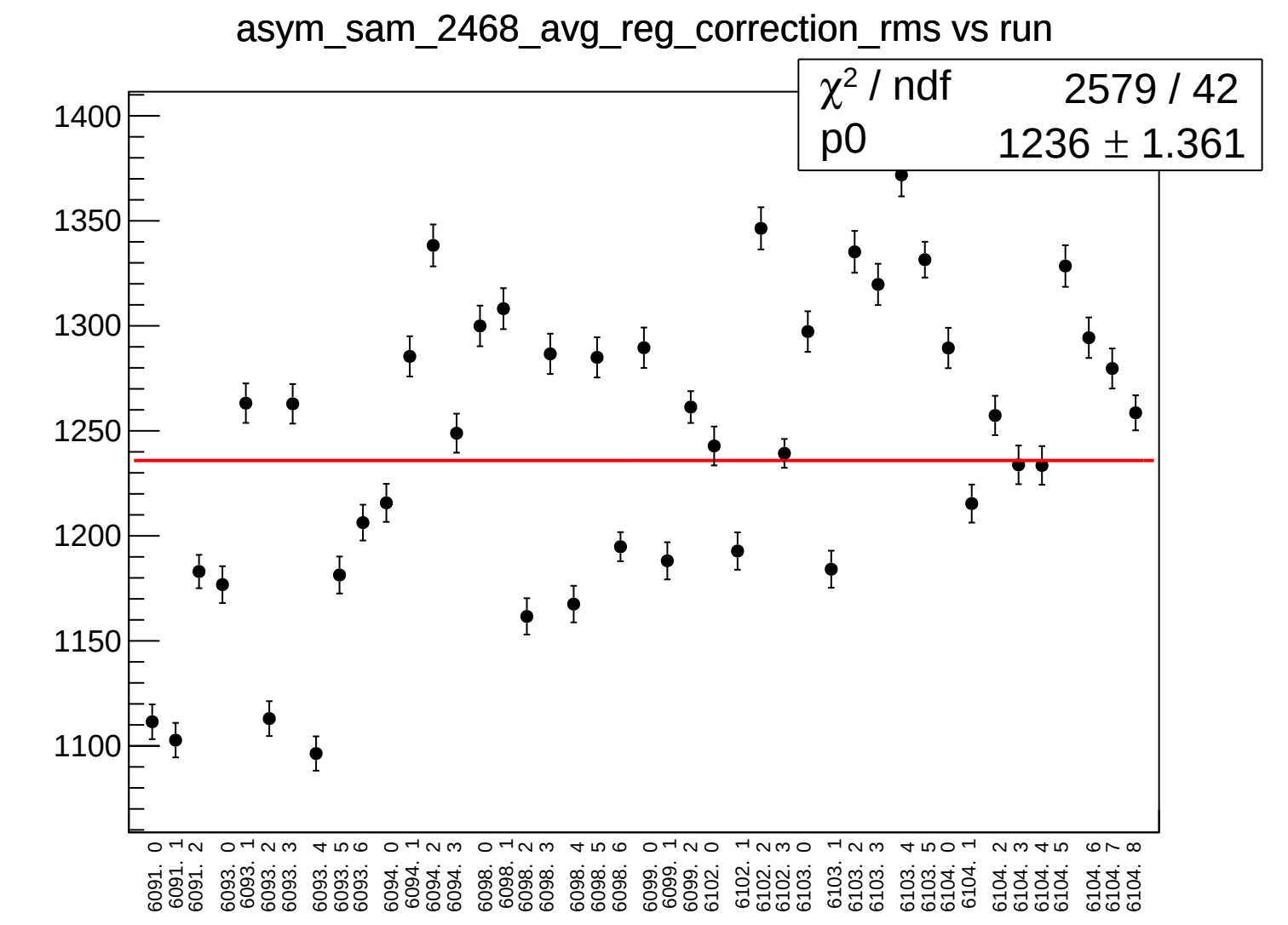

asym_sam_1357_avg_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 2.893e+05 / 42
p0 1.427e−11 ± 1.944e−14
0.1
0.08
0.06
0.04
0.02
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

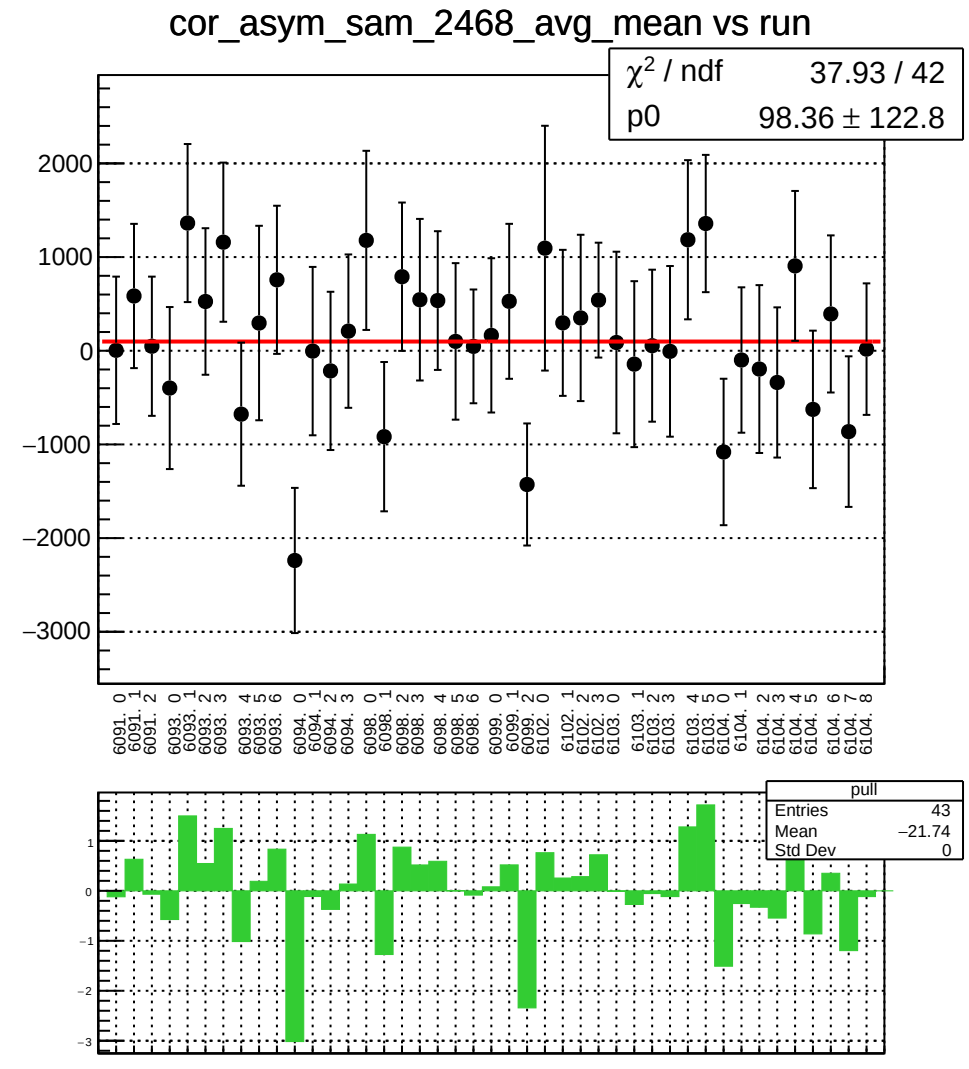

reg_asym_sam_2468_avg_mean vs run
χ² / ndf 37.93 / 42
p0 98.37 ± 122.8
2000
1000
0
−1000
−2000
−3000
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean −21.75
Std Dev 0
1
0
−1
−2
−3

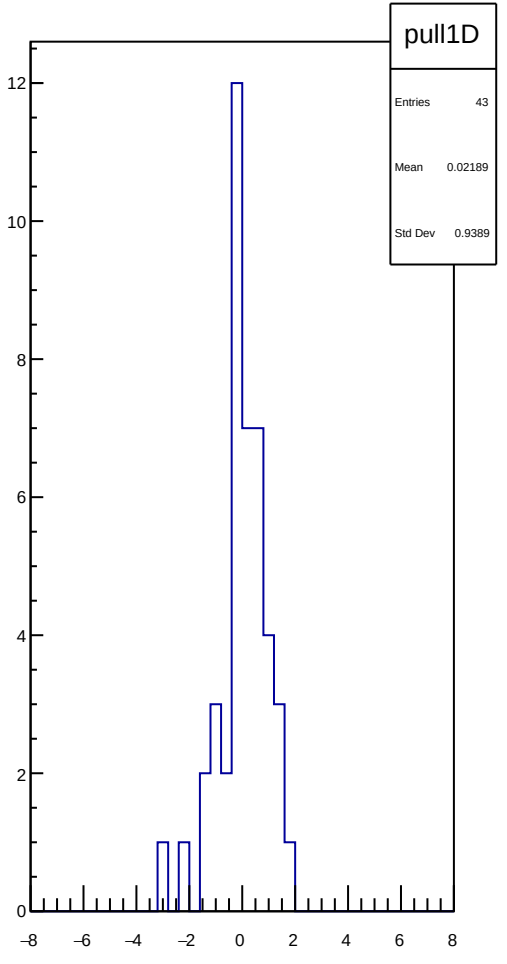

pull1D
Entries 43
Mean 0.02189
Std Dev 0.9389
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

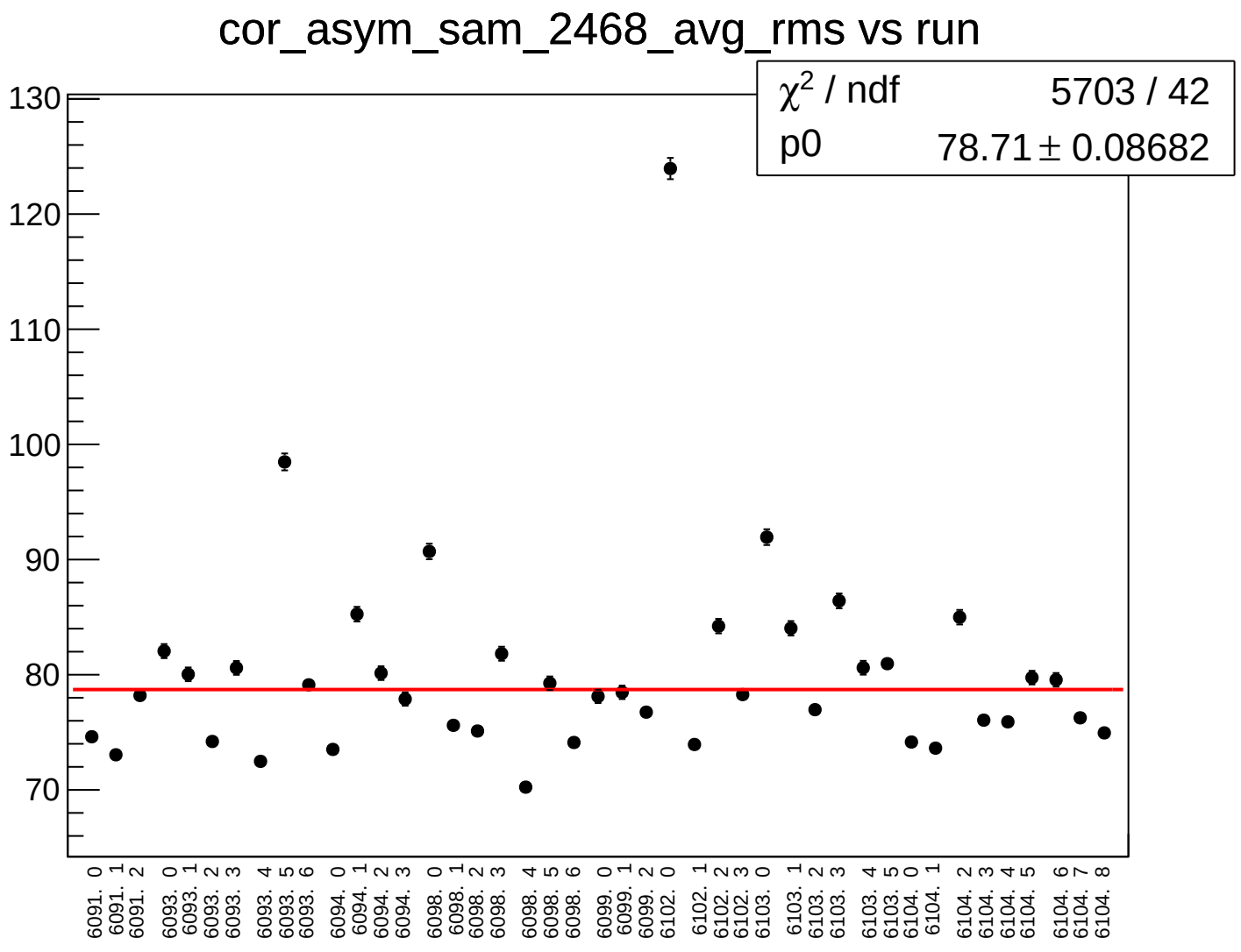

reg_asym_sam_2468_avg_rms vs run
χ^2 / ndf 5703 / 42
p0 78.71 ± 0.08682
130
120
110
100
90
80
70
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

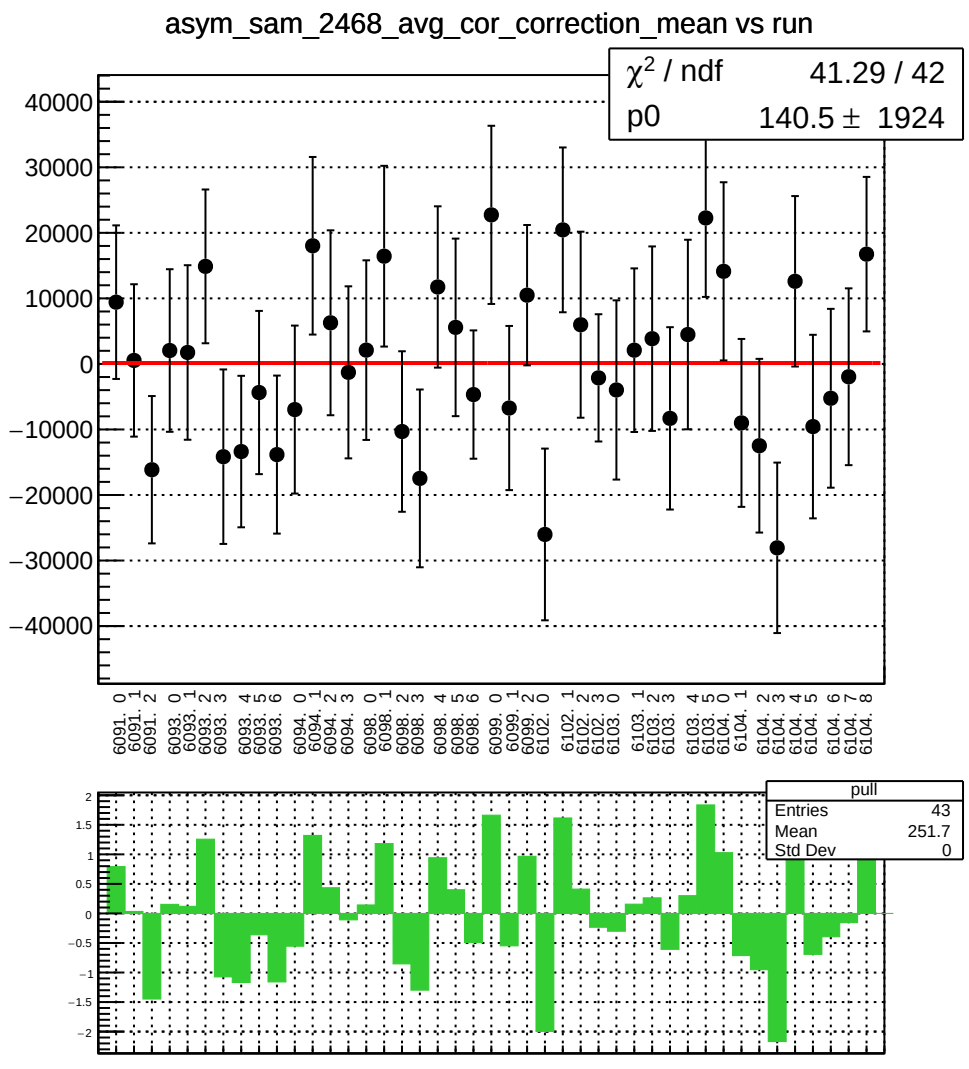

asym_sam_2468_avg_reg_correction_mean vs run
χ^2 / ndf 41.29 / 42
p0 140.5 ± 1924
40000
30000
20000
10000
0
−10000
−20000
−30000
−40000
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 251.8
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 43
Mean 0.002524
Std Dev 0.9799
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

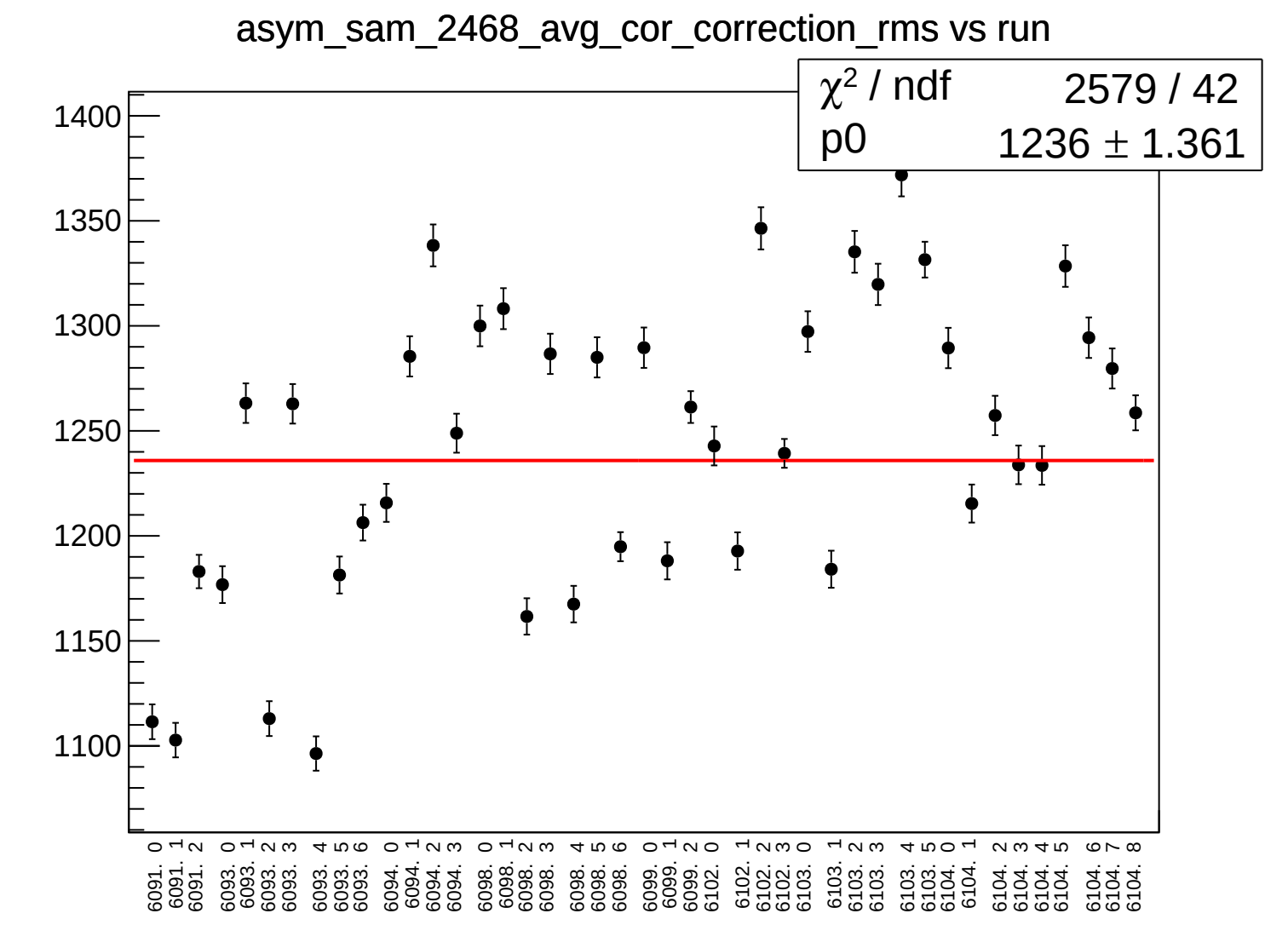

asym_sam_2468_avg_reg_correction_rms vs run
χ² / ndf 2579 / 42
p0 1236 ± 1.361
1400
1350
1300
1250
1200
1150
1100
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

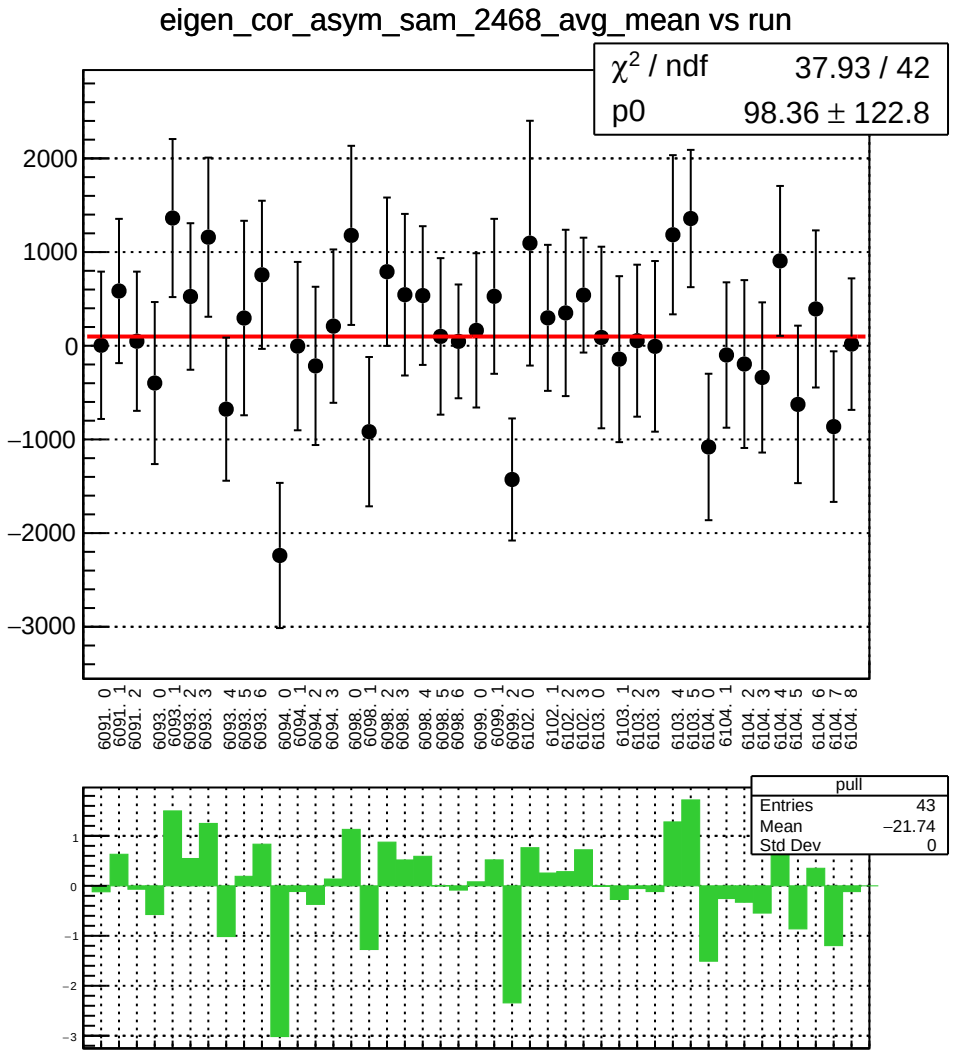

cor_asym_sam_2468_avg_mean vs run
χ² / ndf 37.93 / 42
p0 98.36 ± 122.8
2000
1000
0
−1000
−2000
−3000
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean −21.74
Std Dev 0
1
0
−1
−2
−3

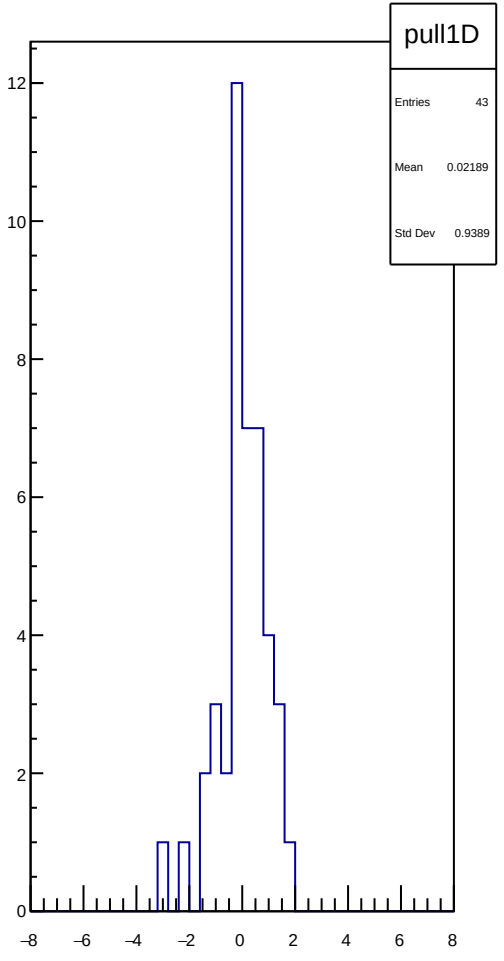

pull1D
Entries 43
Mean 0.02189
Std Dev 0.9389
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

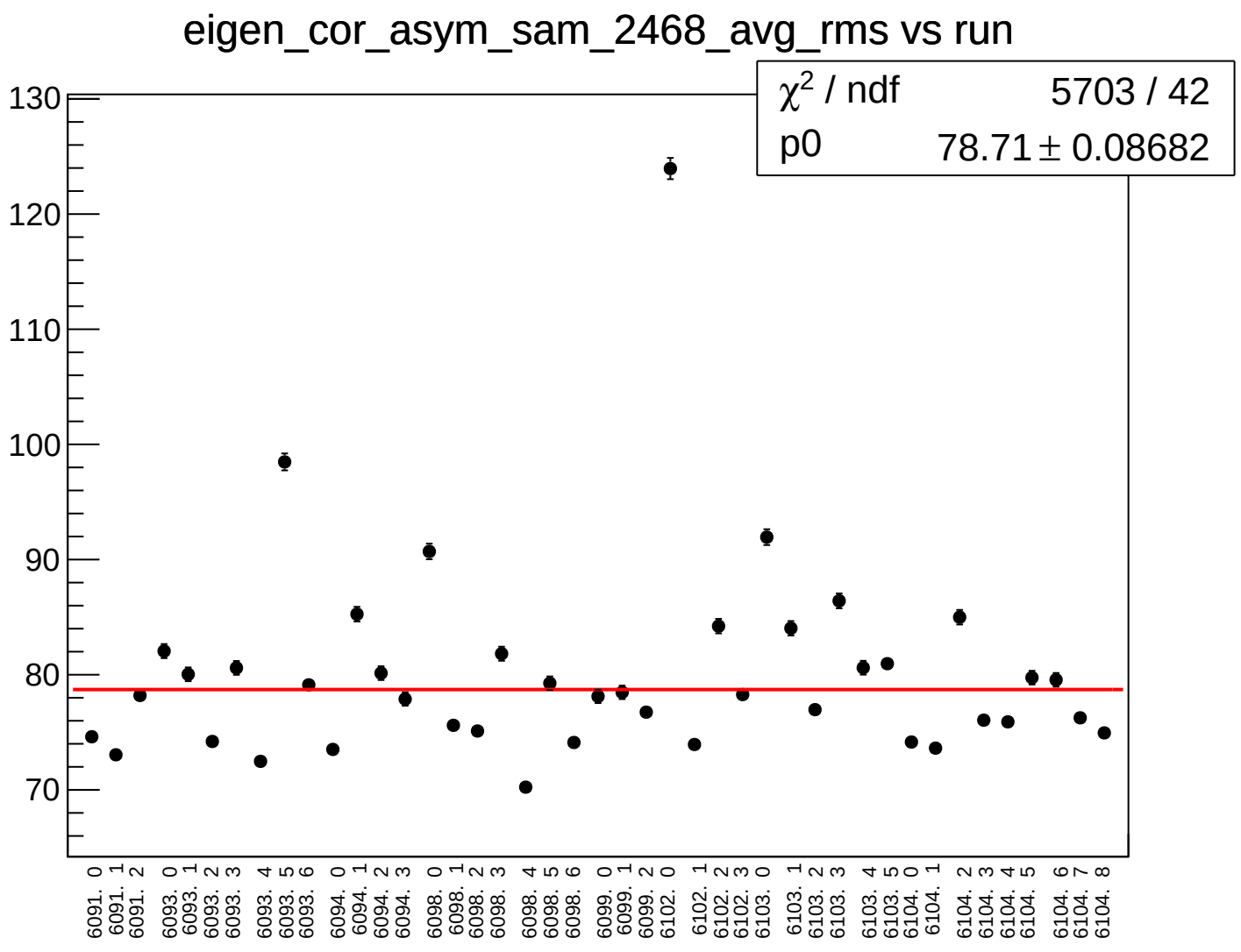

cor_asym_sam_2468_avg_rms vs run
χ^2 / ndf 5703 / 42
p0 78.71 ± 0.08682
130
120
110
100
90
80
70
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

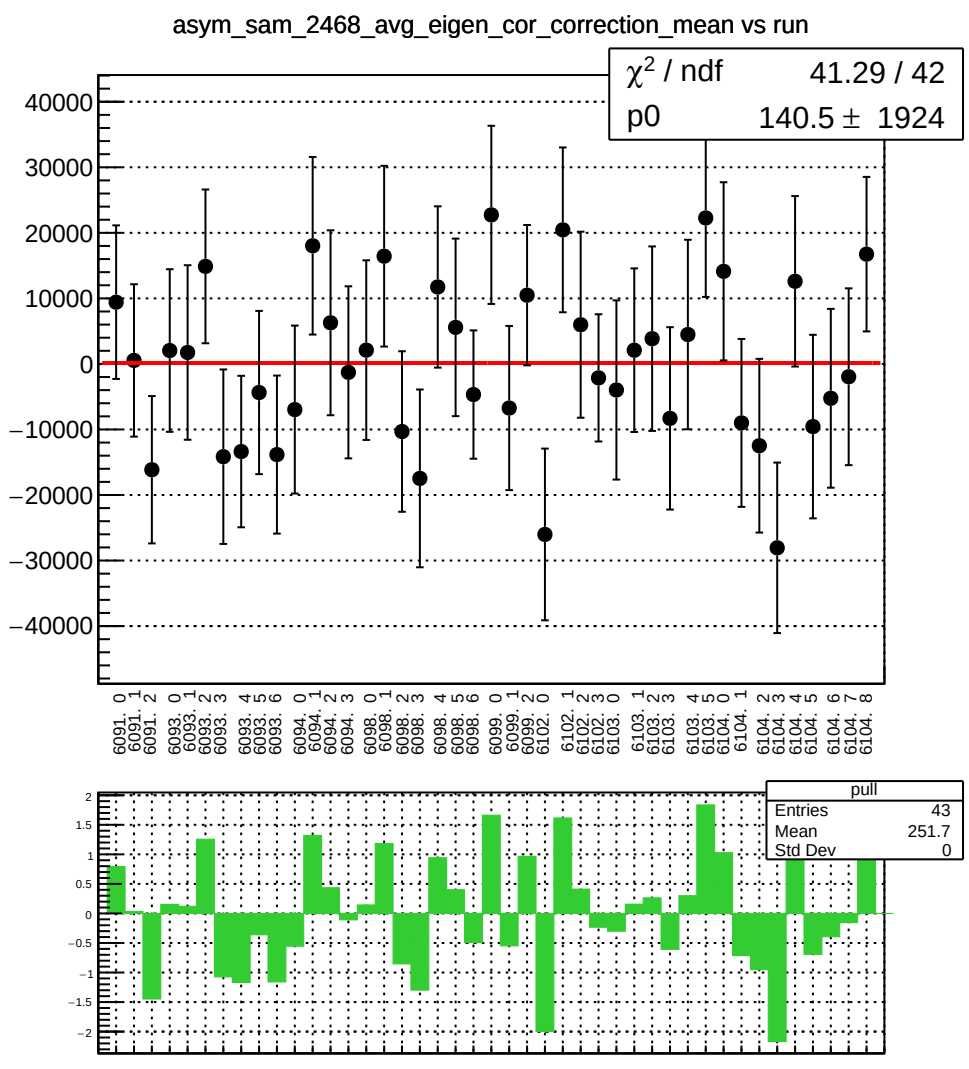

asym_sam_2468_avg_cor_correction_mean vs run
χ² / ndf 41.29 / 42
p0 140.5 ± 1924
40000
30000
20000
10000
0
−10000
−20000
−30000
−40000
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 251.7
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 43
Mean 0.002525
Std Dev 0.9799
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

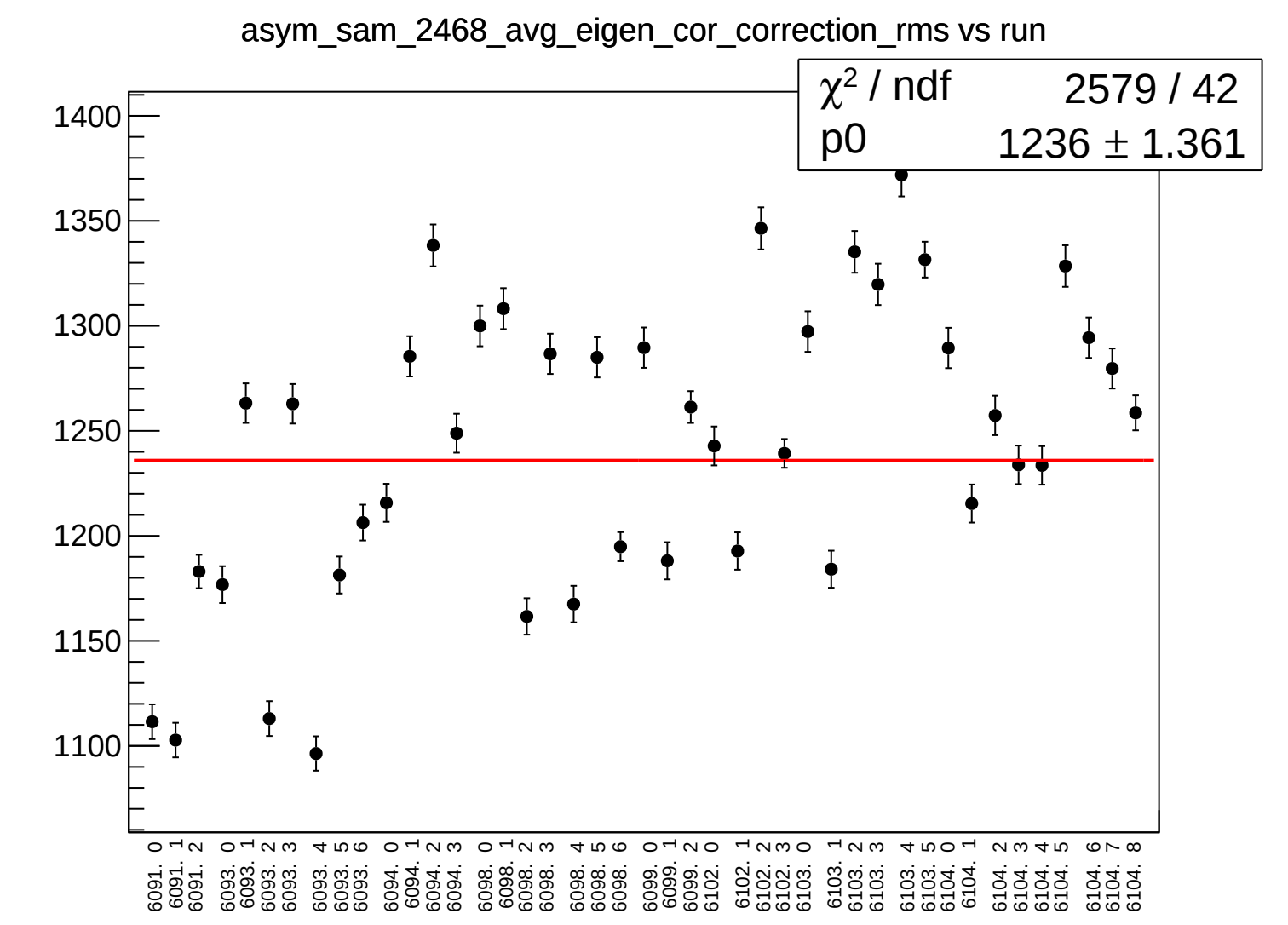

asym_sam_2468_avg_cor_correction_rms vs run
χ² / ndf 2579 / 42
p0 1236 ± 1.361
1400
1350
1300
1250
1200
1150
1100
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

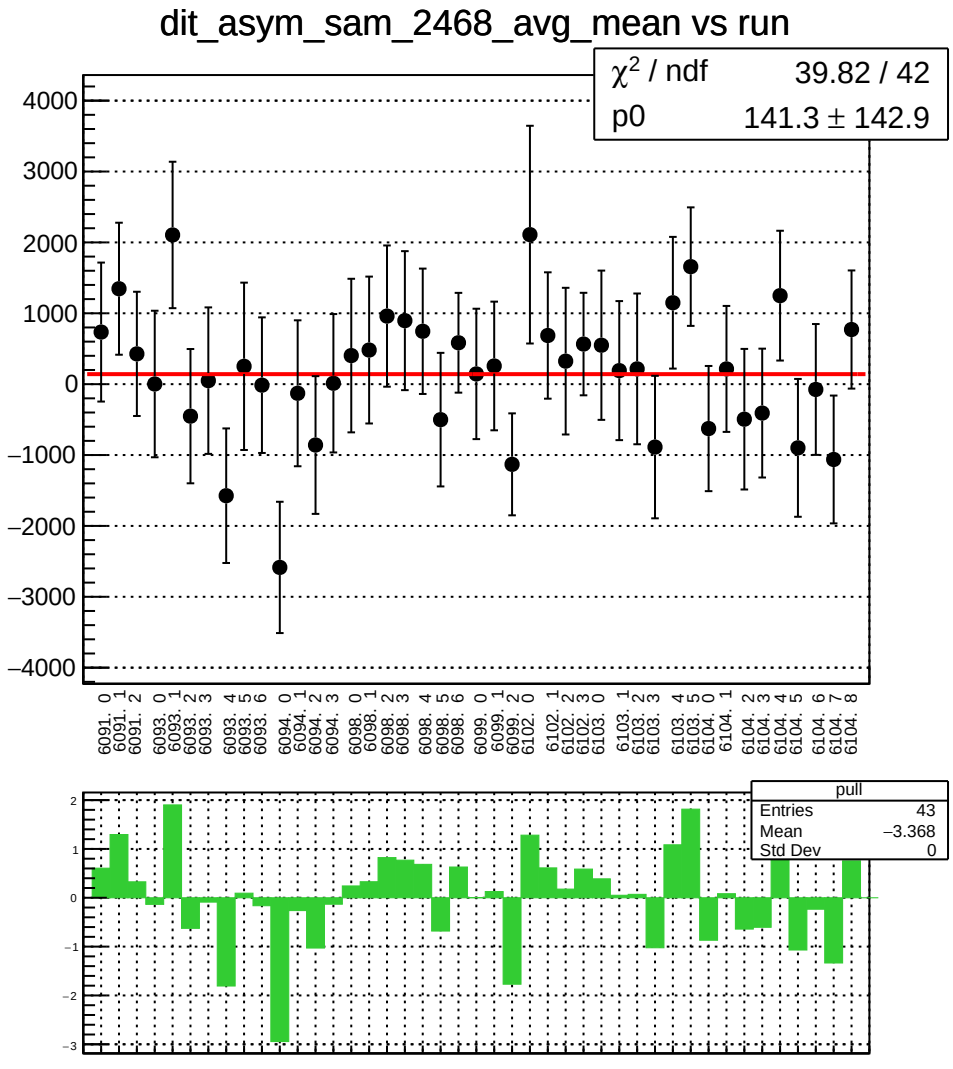

eigen_cor_asym_sam_2468_avg_mean vs run
χ² / ndf 37.93 / 42
p0 98.36 ± 122.8
2000
1000
0
−1000
−2000
−3000
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean −21.74
Std Dev 0
1
0
−1
−2
−3

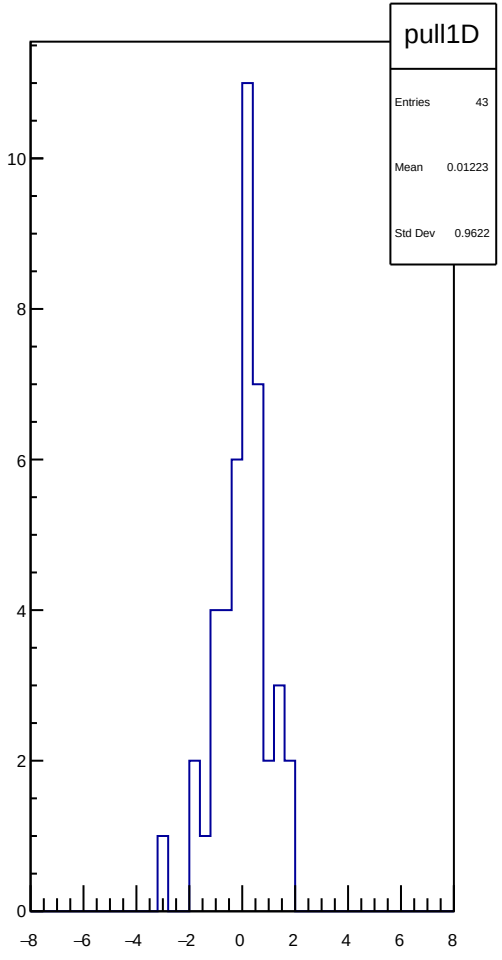

pull1D
Entries 43
Mean 0.02189
Std Dev 0.9389
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

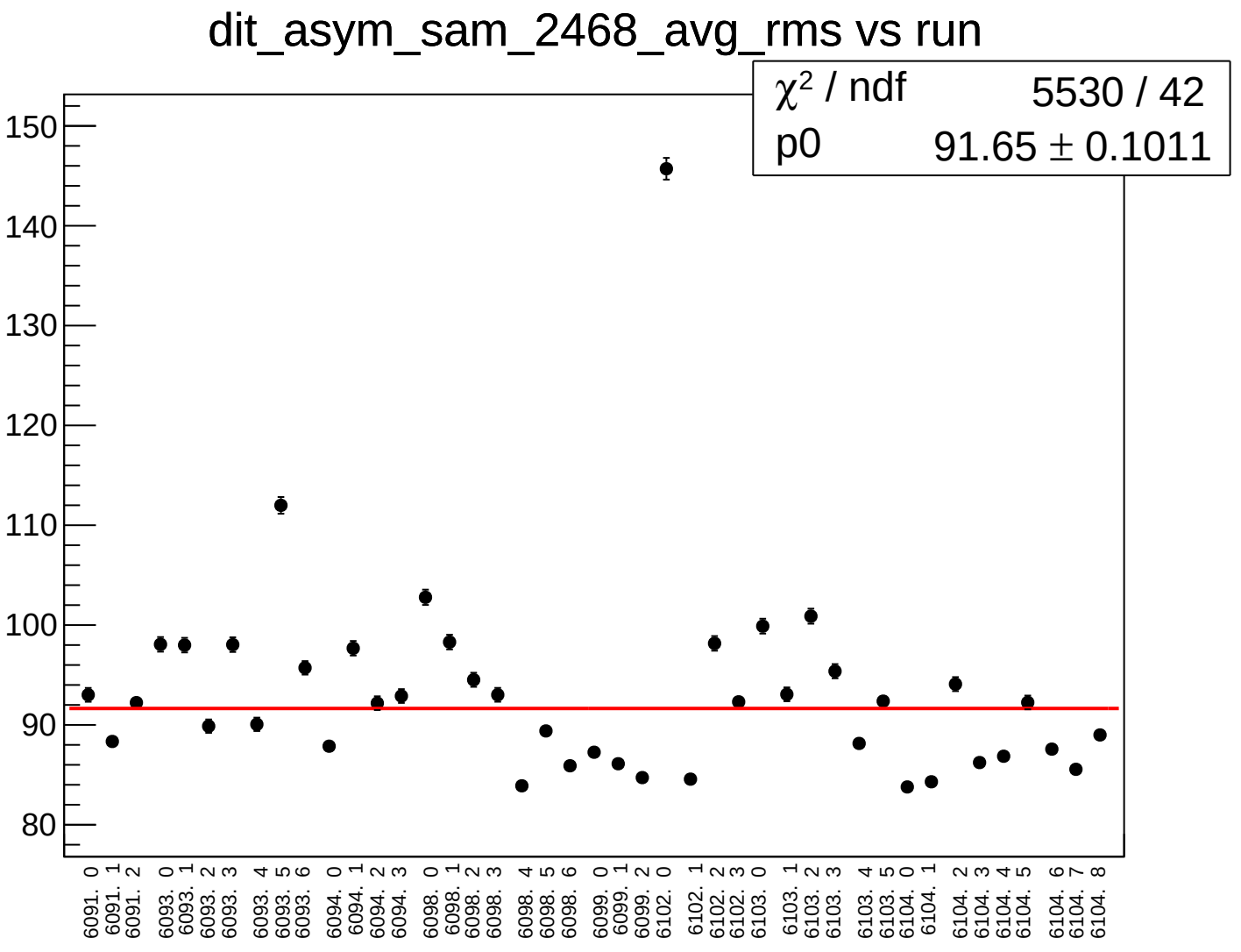

eigen_cor_asym_sam_2468_avg_rms vs run
χ^2 / ndf 5703 / 42
p0 78.71 ± 0.08682
130
120
110
100
90
80
70
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

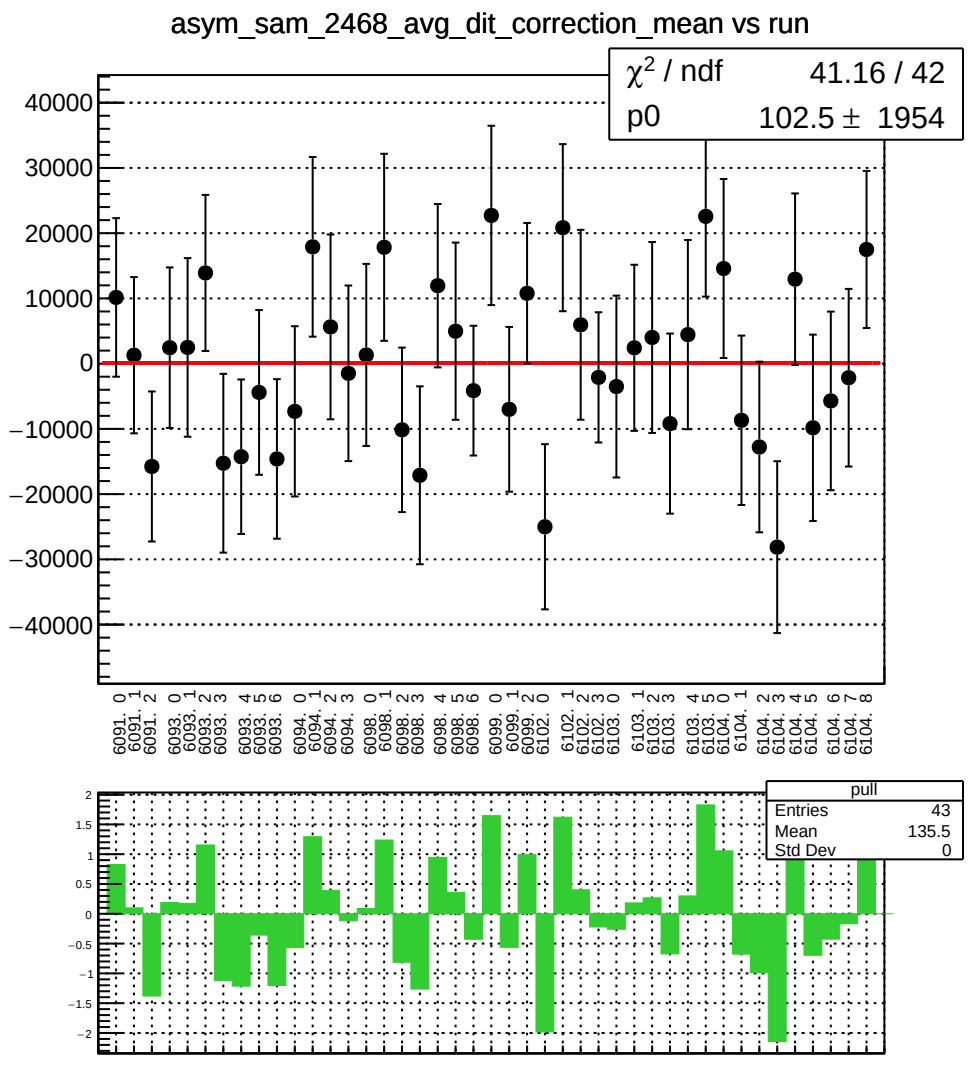

asym_sam_2468_avg_eigen_cor_correction_mean vs run
χ² / ndf 41.29 / 42
p0 140.5 ± 1924
40000
30000
20000
10000
0
−10000
−20000
−30000
−40000
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 251.7
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 43
Mean 0.002525
Std Dev 0.9799
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

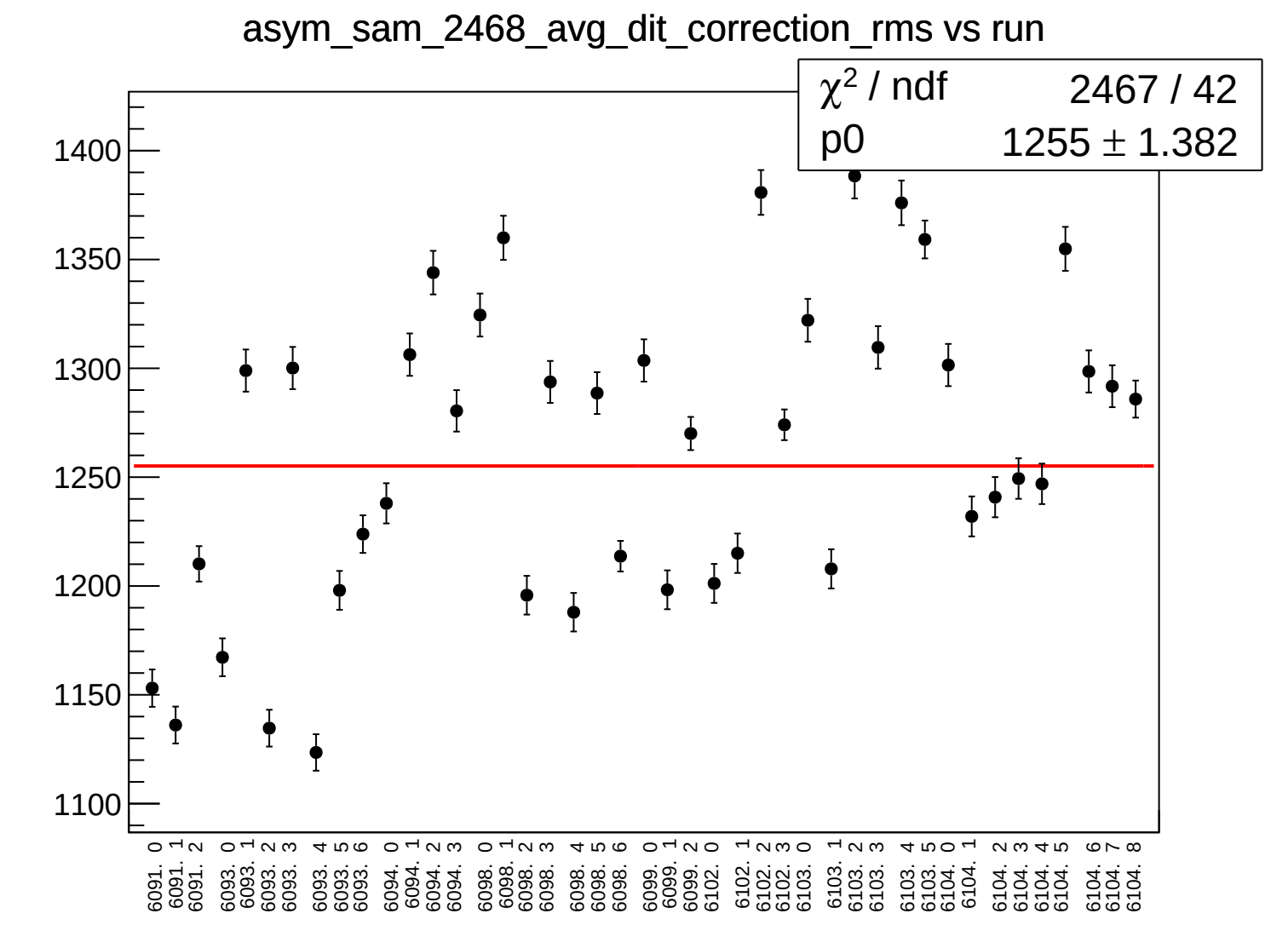

asym_sam_2468_avg_eigen_cor_correction_rms vs run
χ² / ndf 2579 / 42
p0 1236 ± 1.361
1400
1350
1300
1250
1200
1150
1100
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

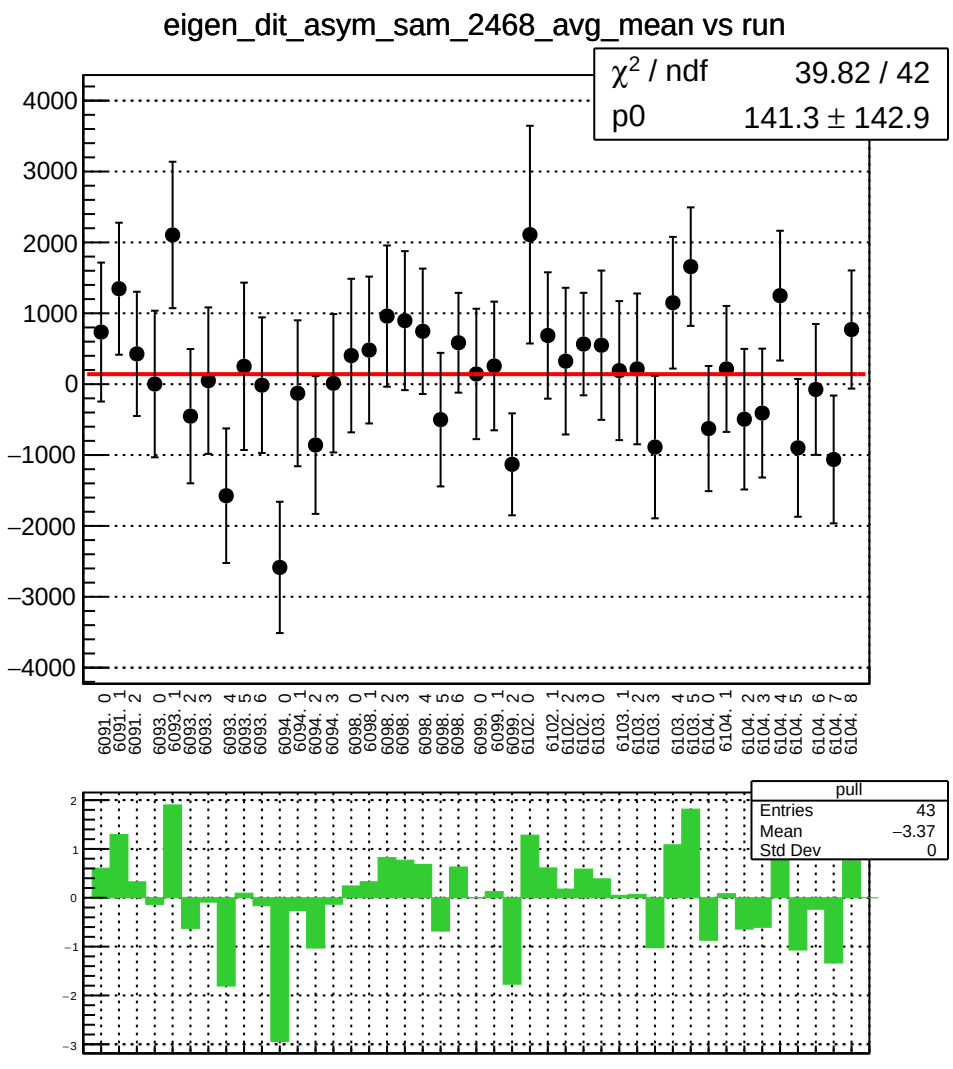

dit_asym_sam_2468_avg_mean vs run
χ² / ndf 39.82 / 42
p0 141.3 ± 142.9
4000
3000
2000
1000
0
−1000
−2000
−3000
−4000
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean −3.368
Std Dev 0
2
1
0
−1
−2
−3

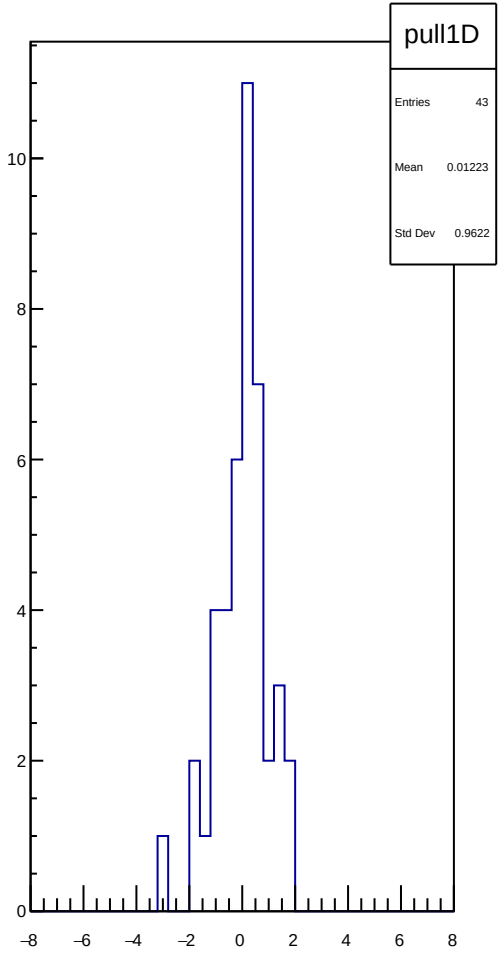

pull1D
Entries 43
Mean 0.01223
Std Dev 0.9622
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

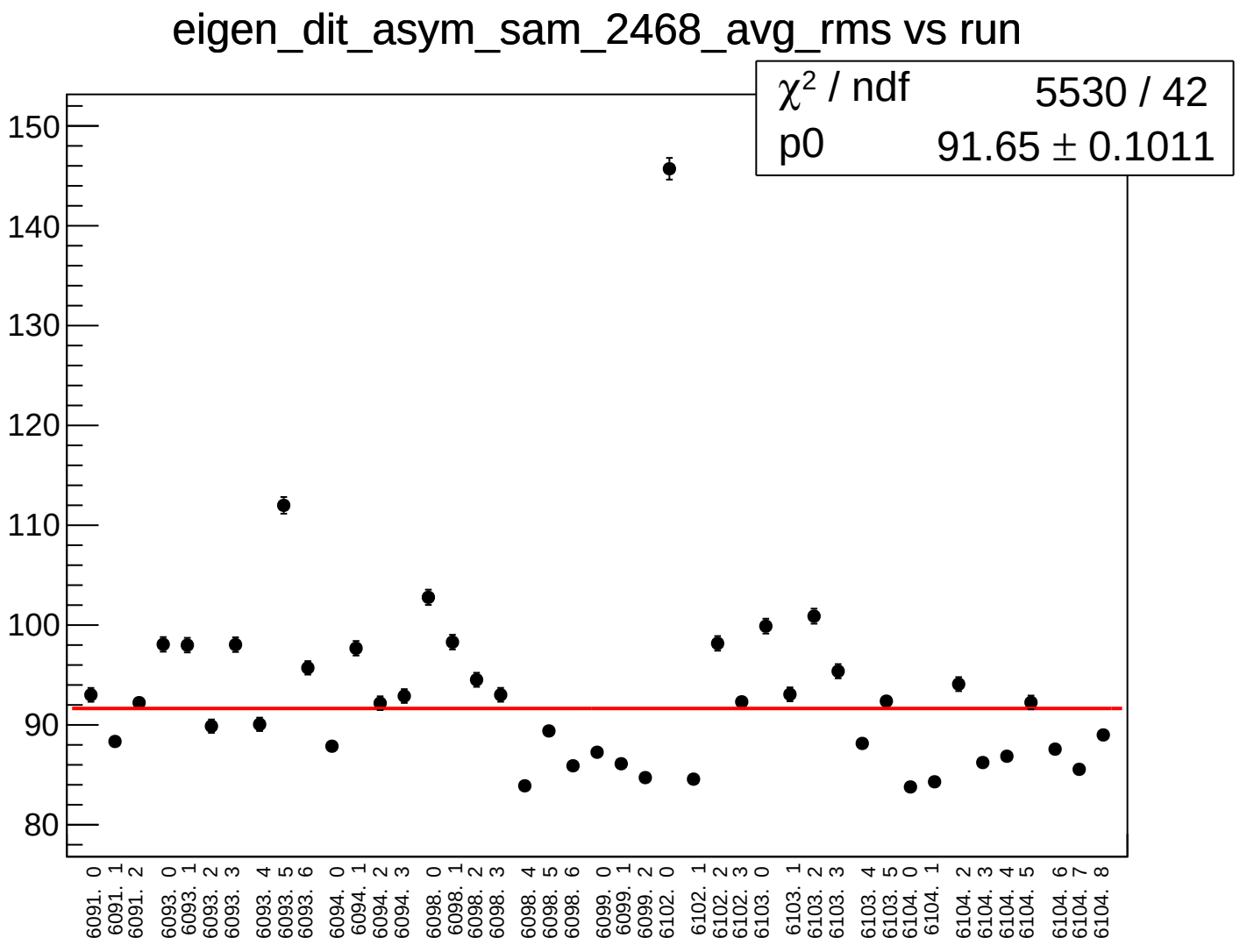

dit_asym_sam_2468_avg_rms vs run
χ² / ndf 5530 / 42
p0 91.65 ± 0.1011
150
140
130
120
110
100
90
80
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

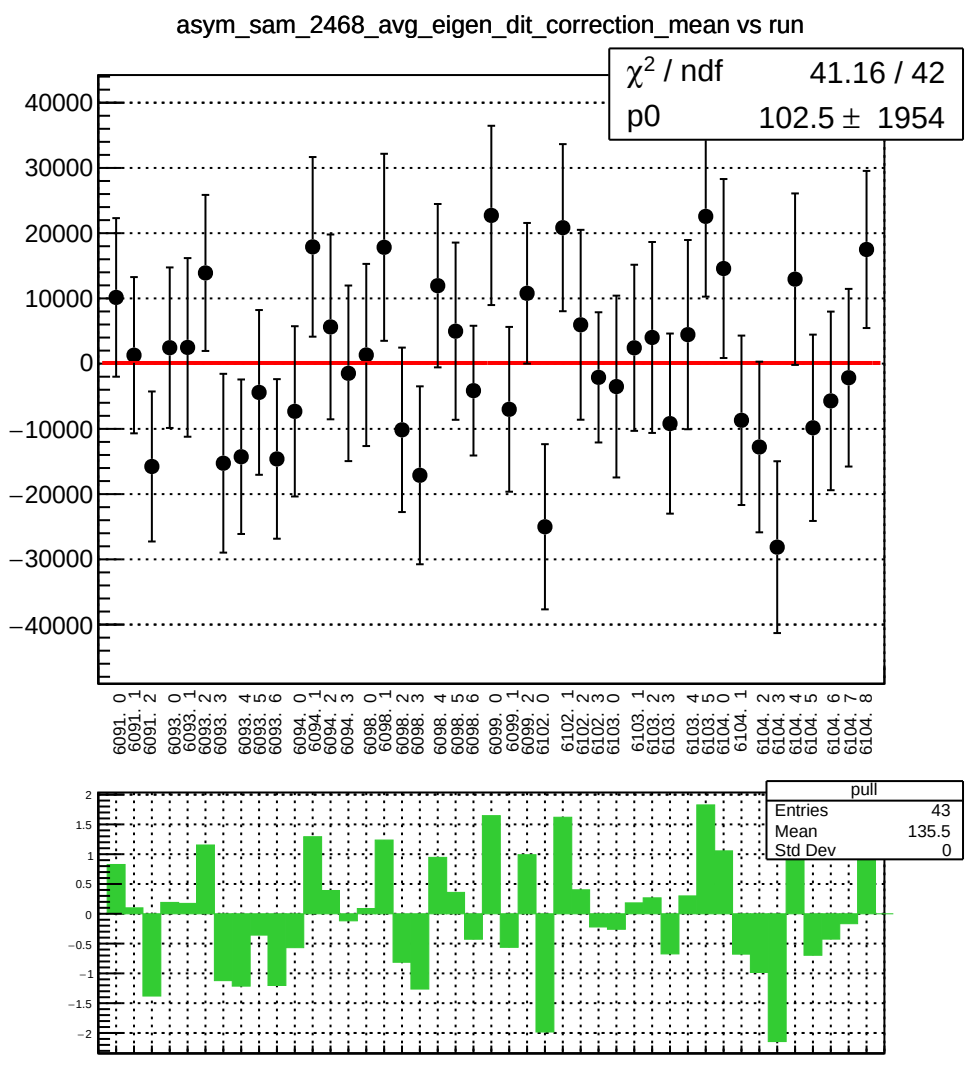

asym_sam_2468_avg_dit_correction_mean vs run
χ² / ndf 41.16 / 42
p0 102.5 ± 1954
40000
30000
20000
10000
0
−10000
−20000
−30000
−40000
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 135.5
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 43
Mean 0.005094
Std Dev 0.9783
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


asym_sam_2468_avg_dit_correction_rms vs run
χ² / ndf 2467 / 42
p0 1255 ± 1.382
1400
1350
1300
1250
1200
1150
1100
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8


eigen_dit_asym_sam_2468_avg_mean vs run
χ² / ndf 39.82 / 42
p0 141.3 ± 142.9
4000
3000
2000
1000
0
−1000
−2000
−3000
−4000
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean −3.37
Std Dev 0
2
1
0
−1
−2
−3


pull1D
Entries 43
Mean 0.01223
Std Dev 0.9622
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


eigen_dit_asym_sam_2468_avg_rms vs run
χ² / ndf 5530 / 42
p0 91.65 ± 0.1011
150
140
130
120
110
100
90
80
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8


asym_sam_2468_avg_eigen_dit_correction_mean vs run
χ² / ndf 41.16 / 42
p0 102.5 ± 1954
40000
30000
20000
10000
0
−10000
−20000
−30000
−40000
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
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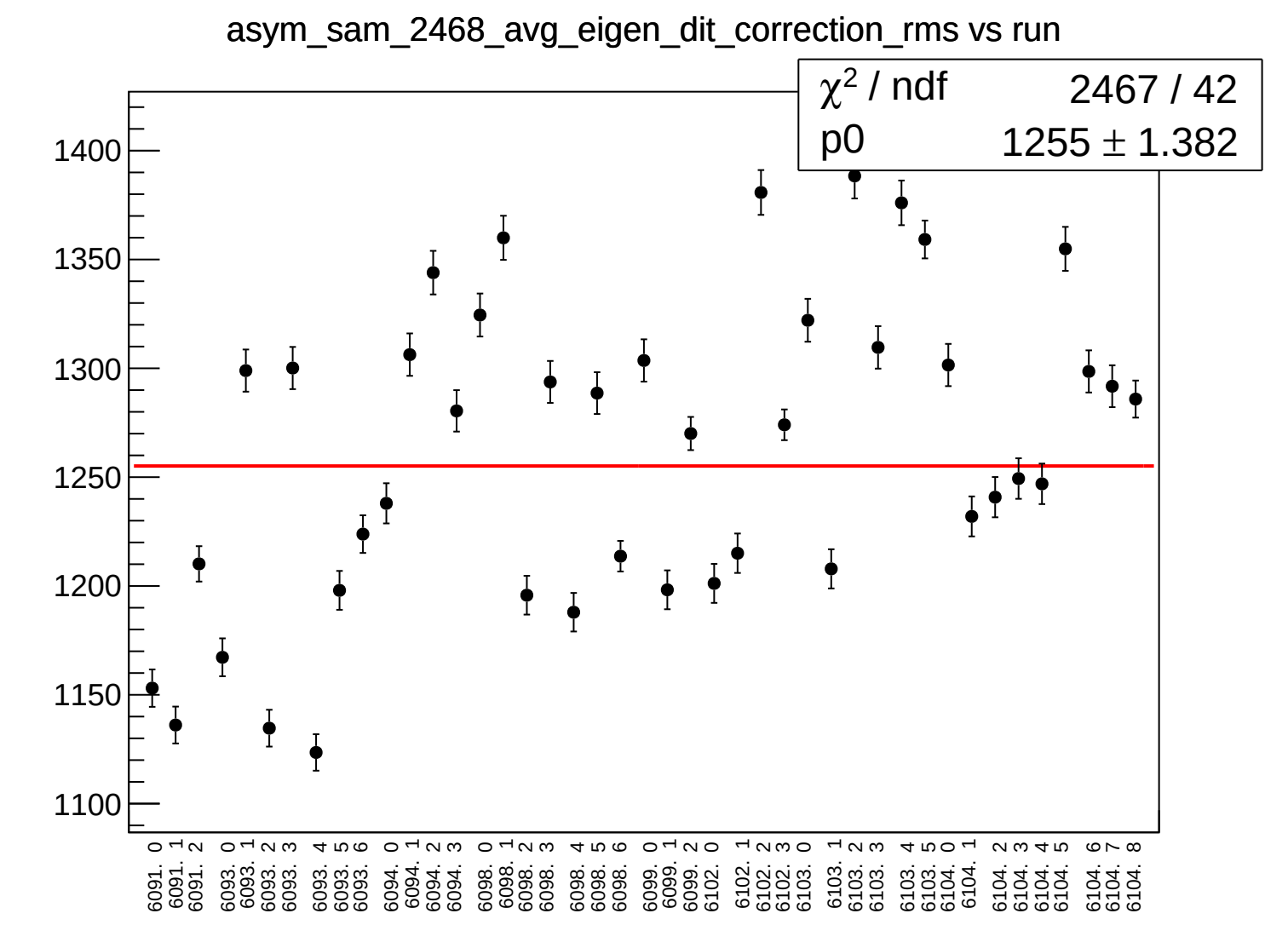
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 135.5
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 43
Mean 0.005094
Std Dev 0.9783
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


asym_sam_2468_avg_eigen_dit_correction_rms vs run
χ² / ndf 2467 / 42
p0 1255 ± 1.382
1400
1350
1300
1250
1200
1150
1100
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
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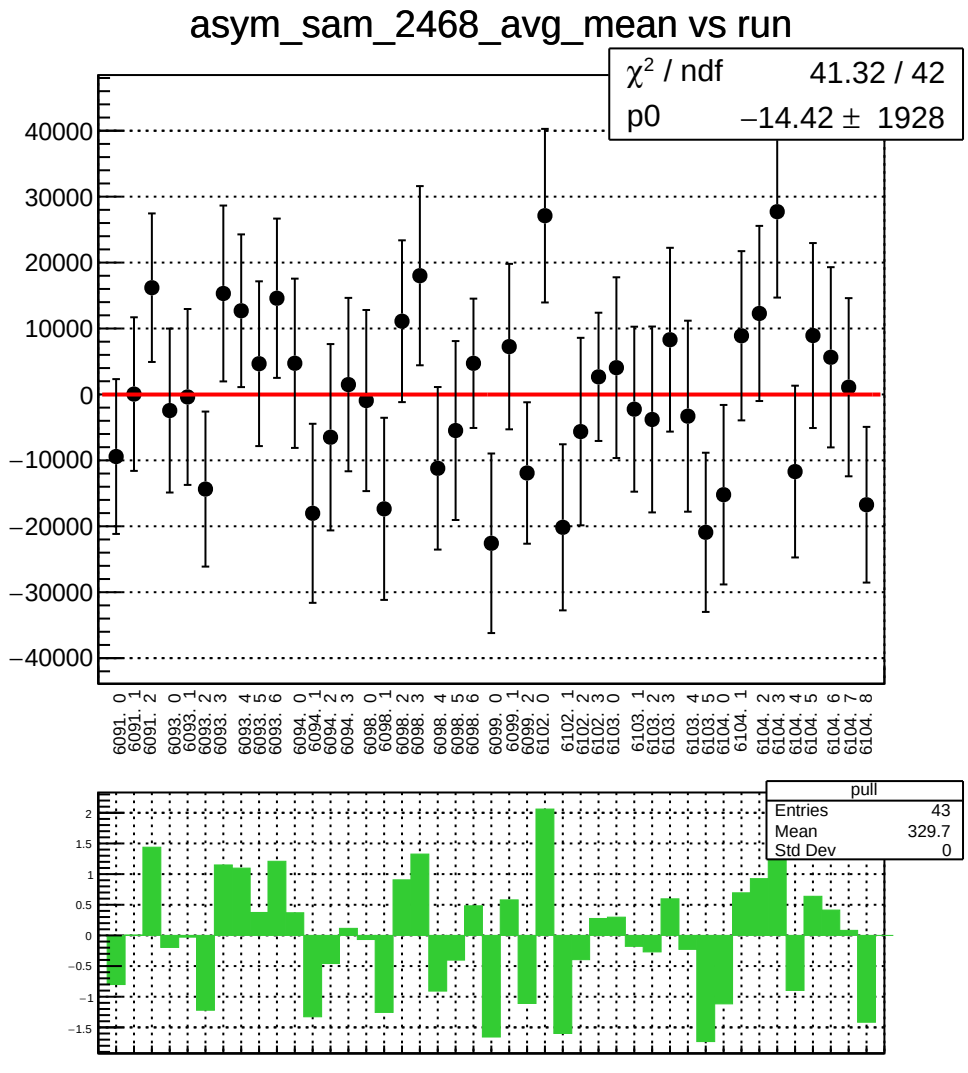
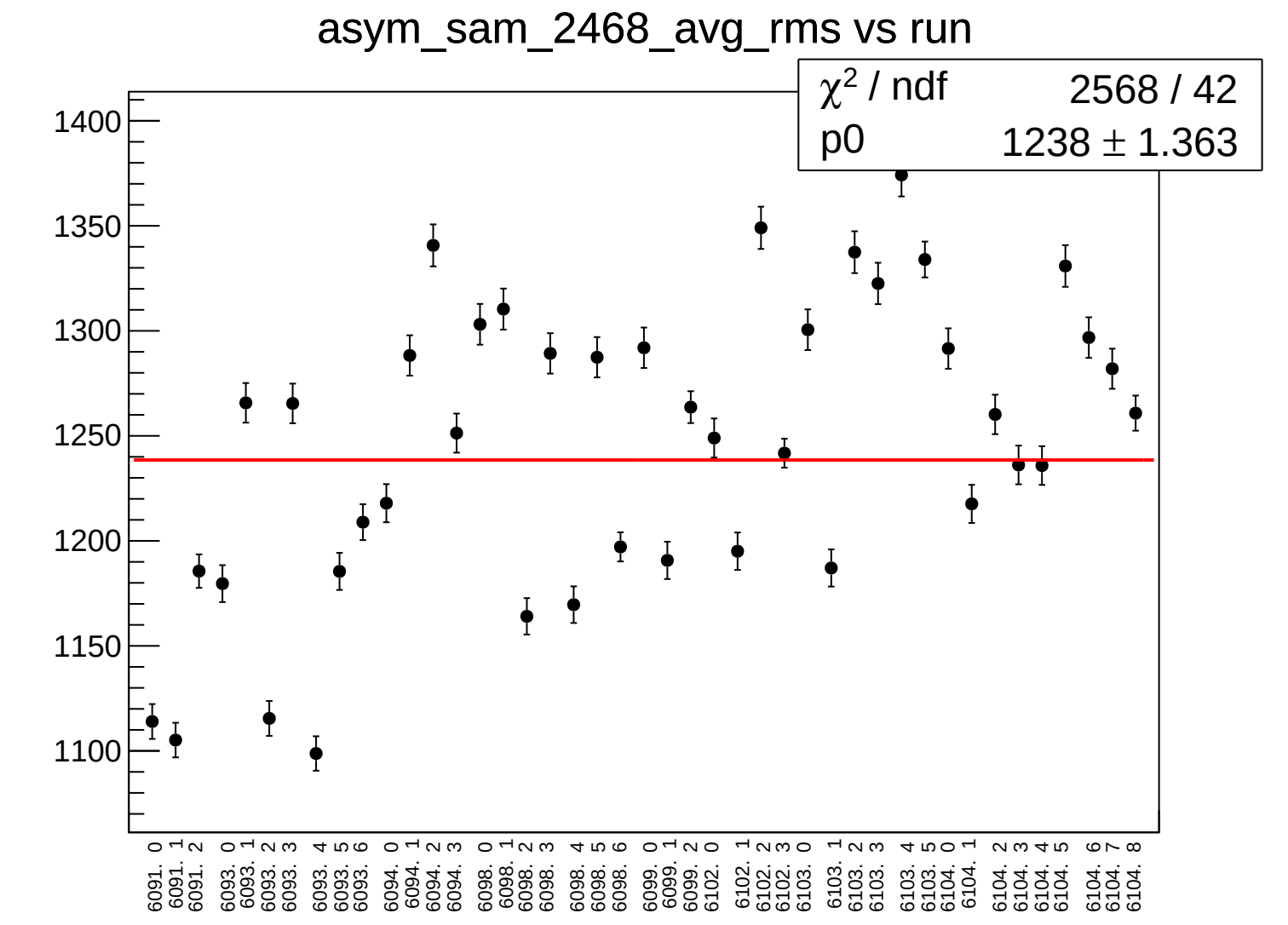
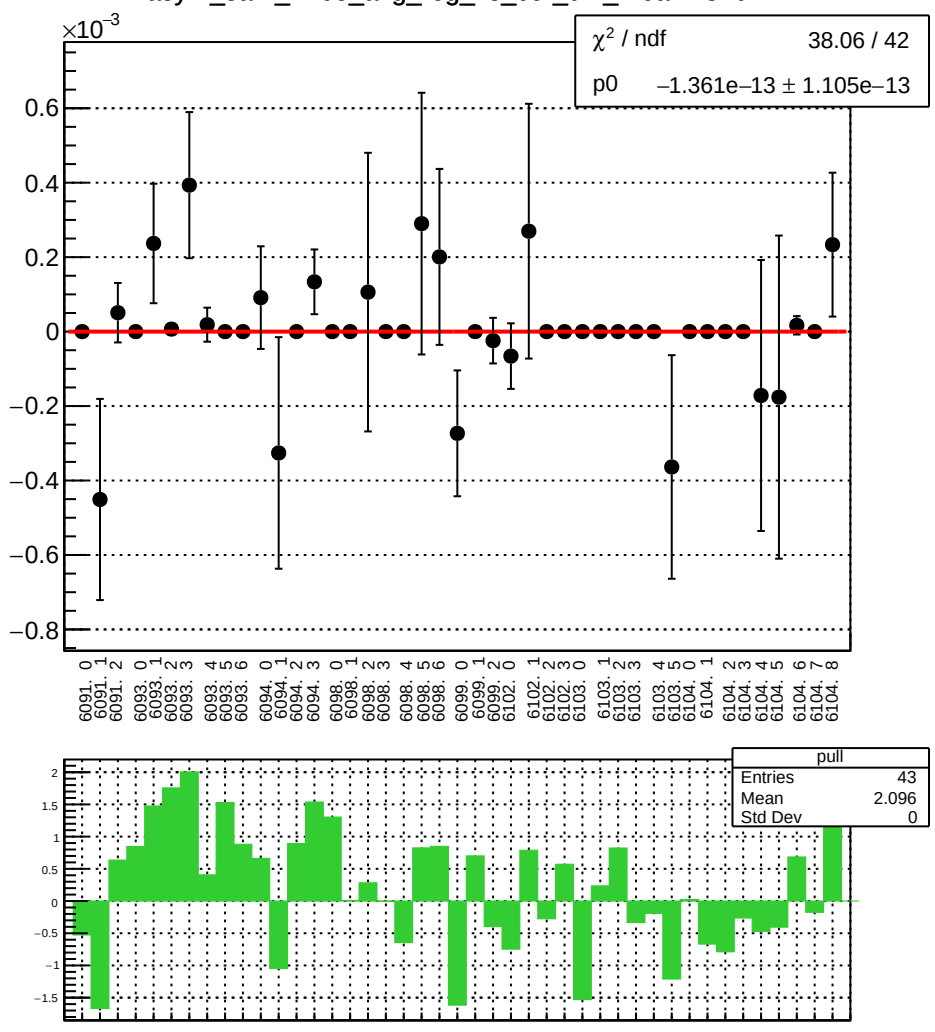
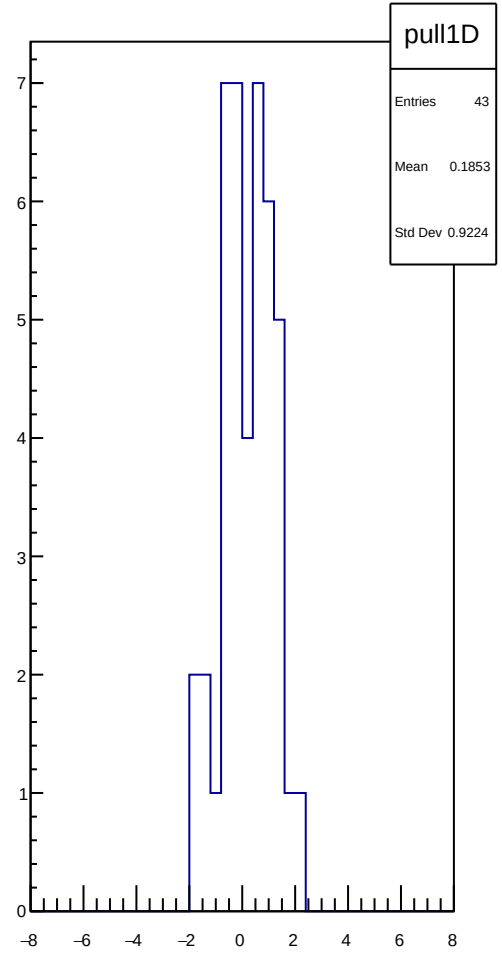
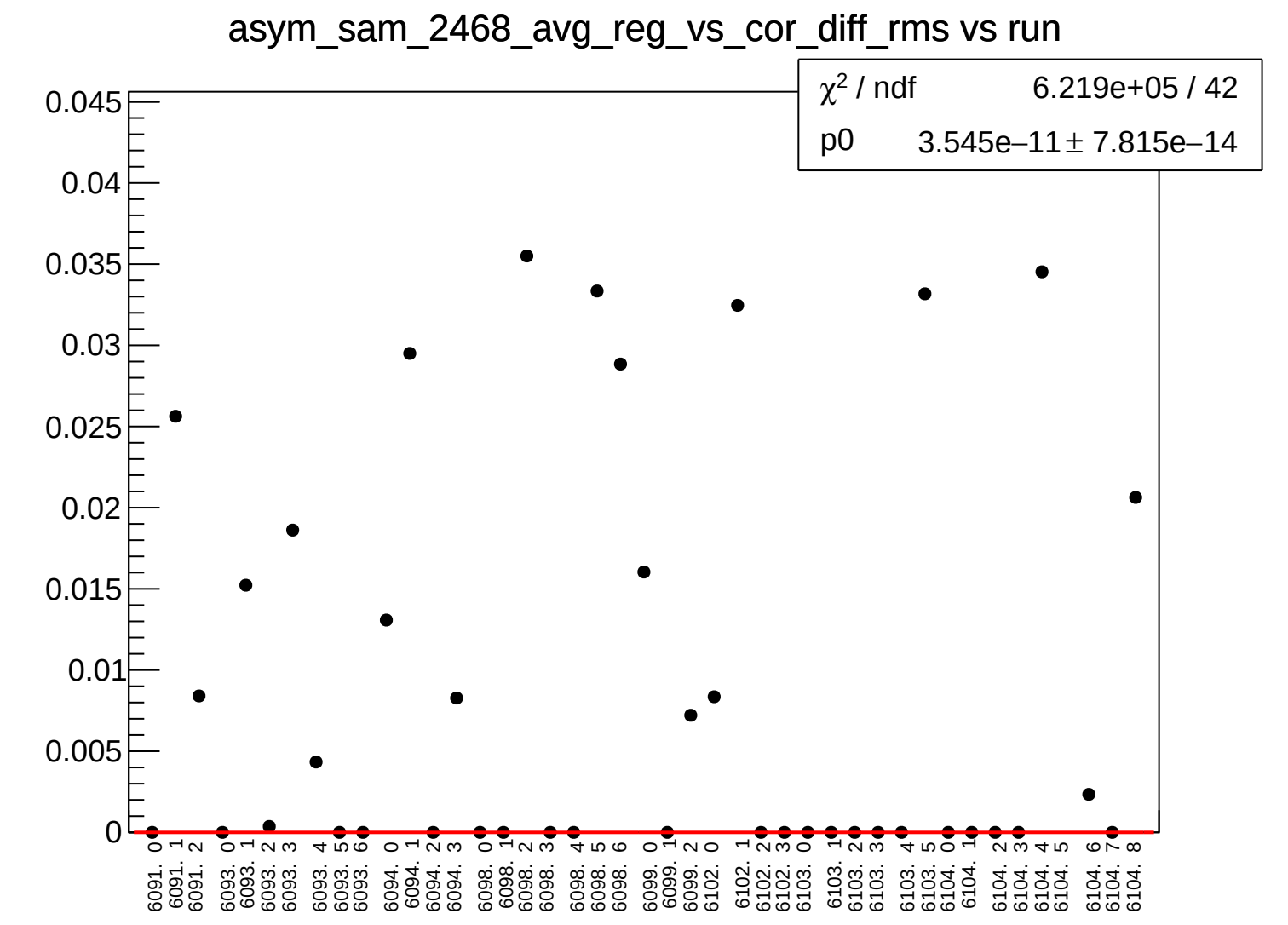
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

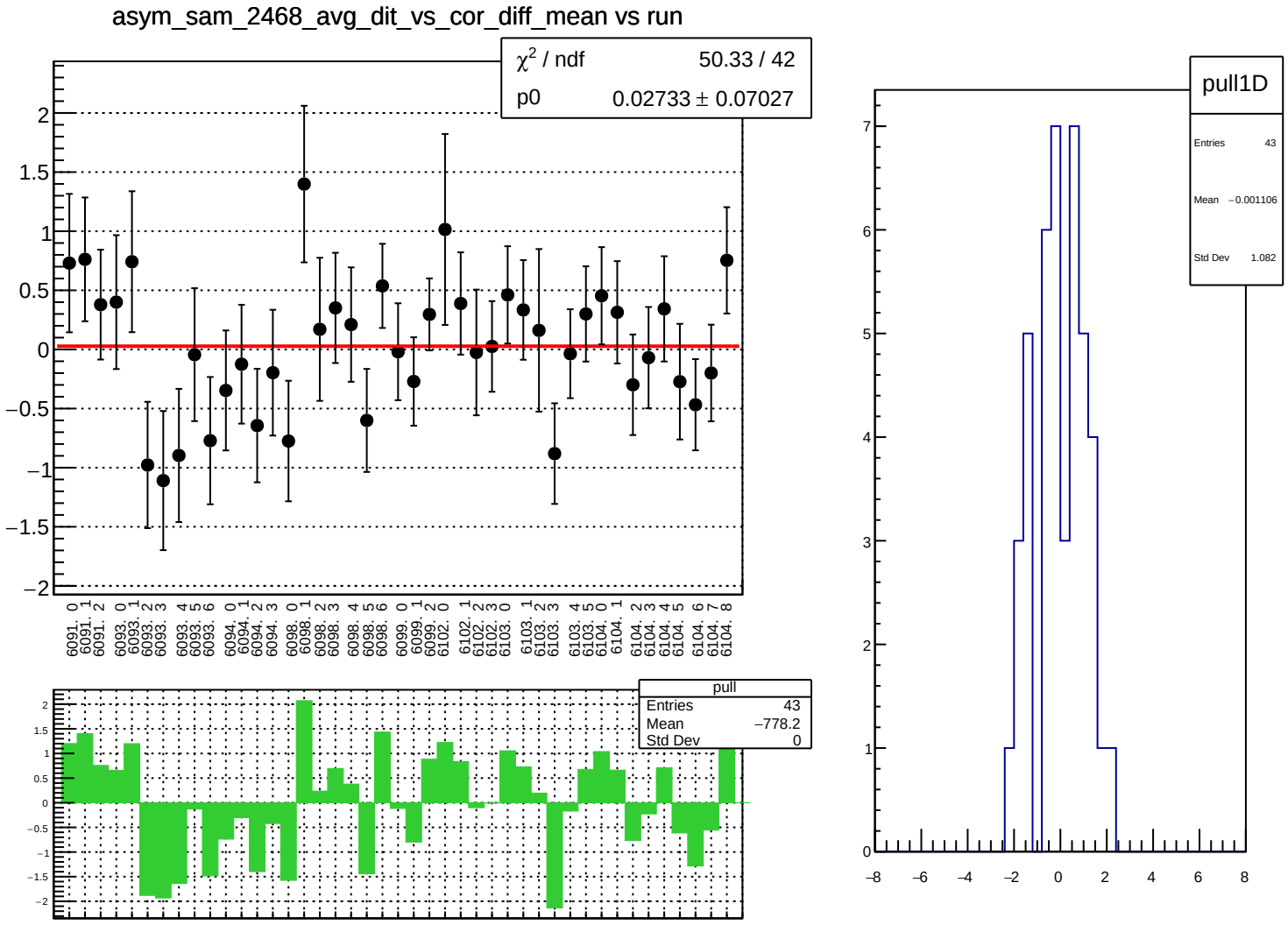

asym_sam_2468_avg_mean vs run
χ² / ndf 41.32 / 42
p0 −14.42 ± 1928
40000
30000
20000
10000
0
−10000
−20000
−30000
−40000
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 329.7
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 43
Mean −0.00208
Std Dev 0.9802
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

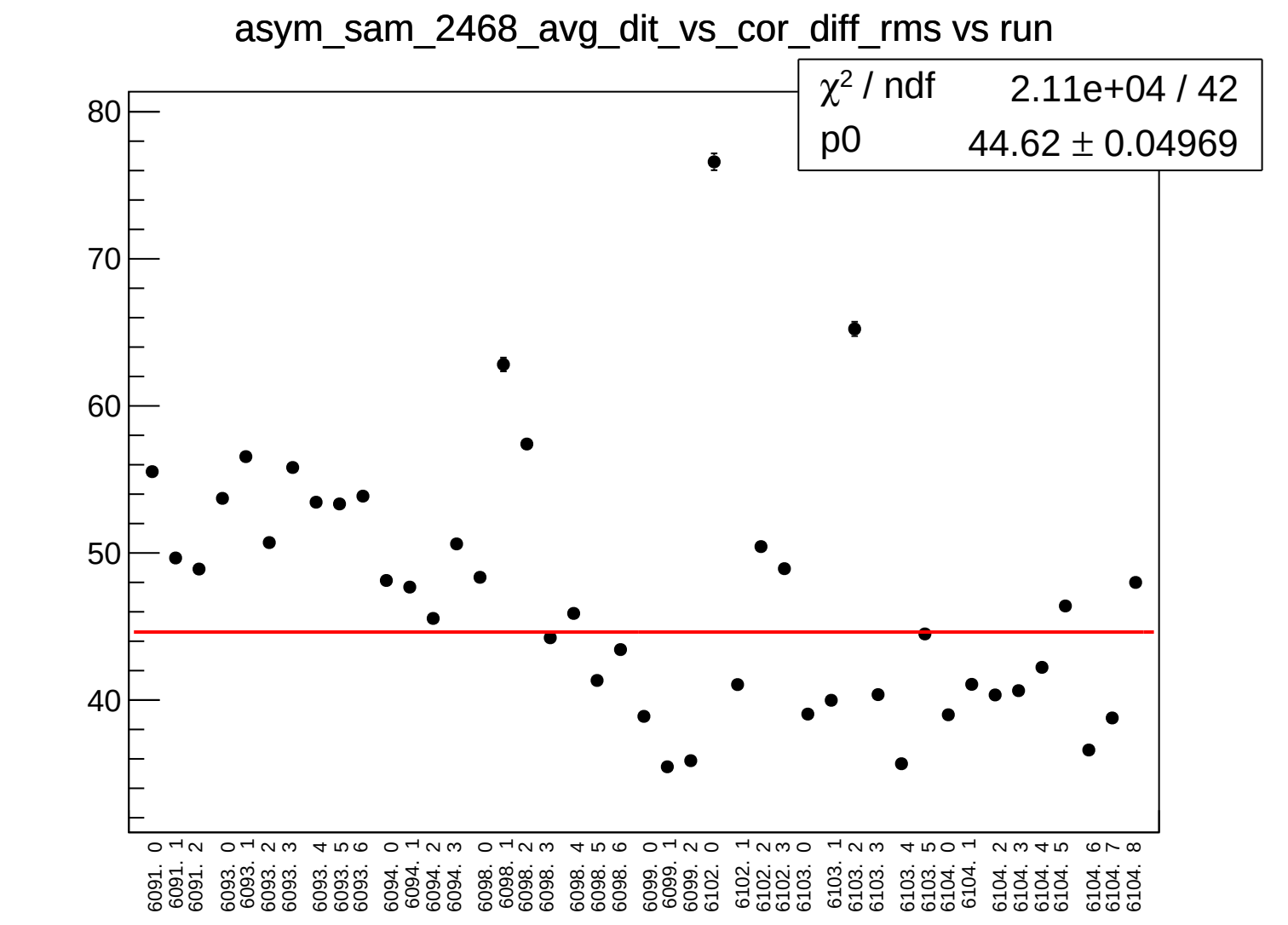

asym_sam_2468_avg_rms vs run
χ² / ndf 2568 / 42
p0 1238 ± 1.363
1400
1350
1300
1250
1200
1150
1100
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

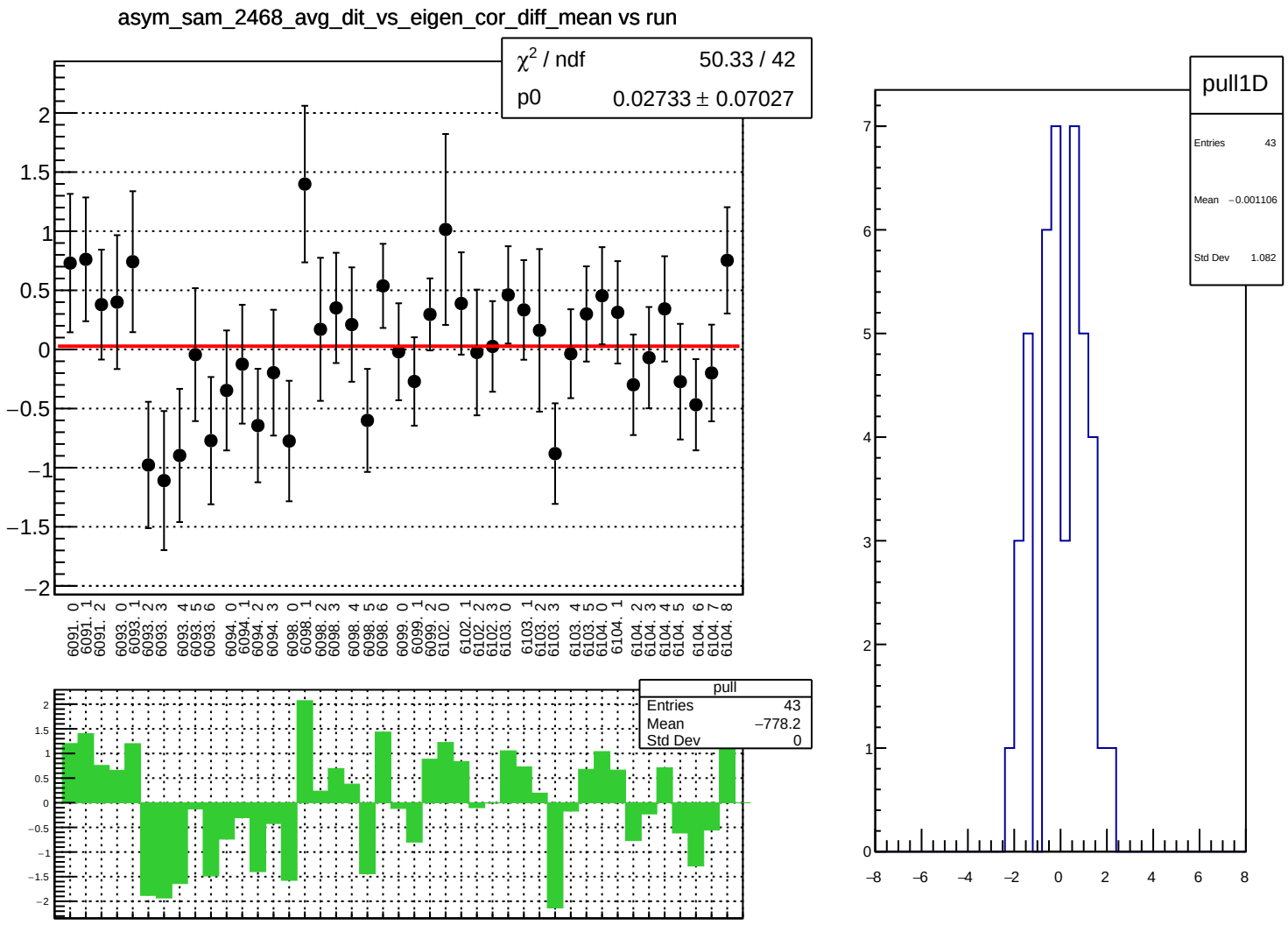

asym_sam_2468_avg_reg_vs_cor_diff_mean vs run
×10⁻³
χ² / ndf 38.06 / 42
p0 −1.361e−13 ± 1.105e−13
pull
Entries 43
Mean 2.096
Std Dev 0

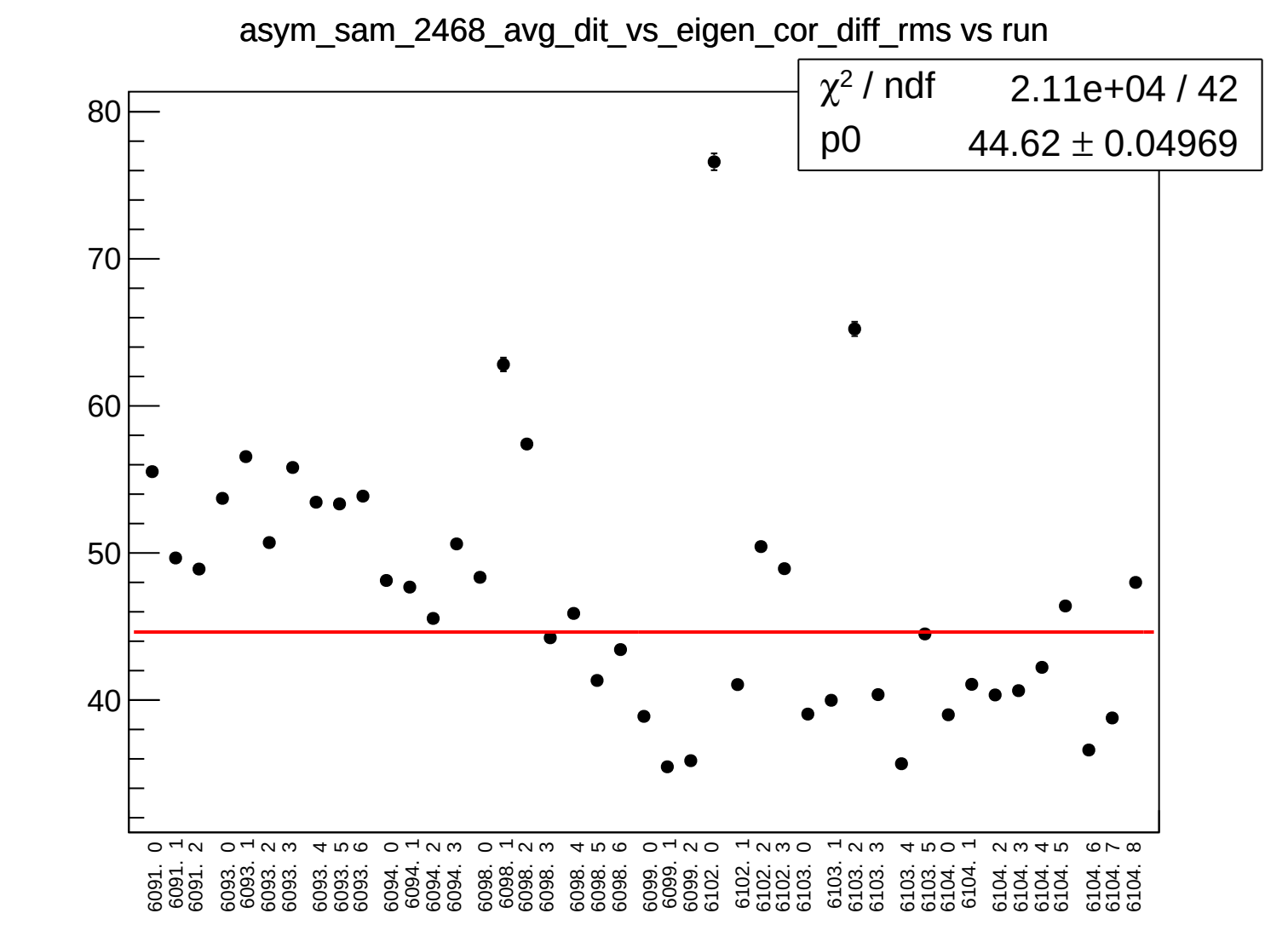

pull1D
Entries 43
Mean 0.1853
Std Dev 0.9224

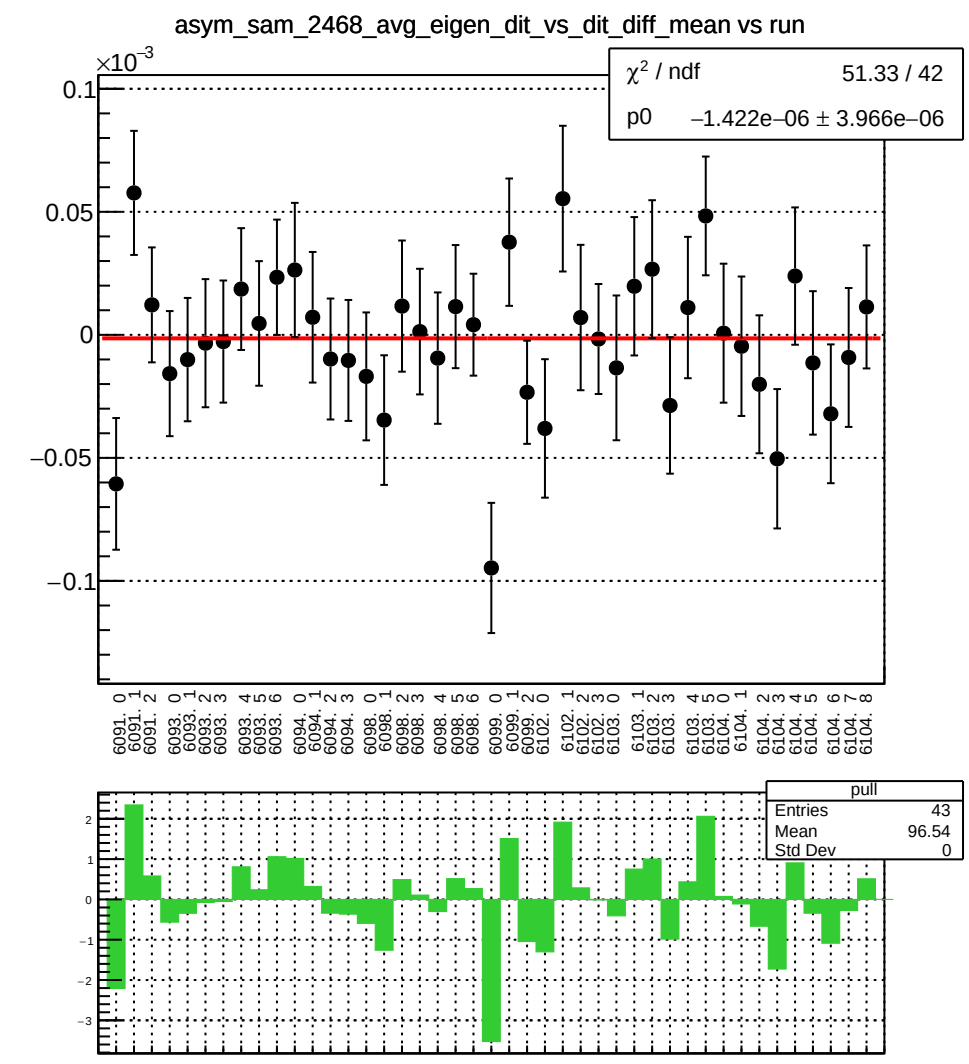

asym_sam_2468_avg_reg_vs_cor_diff_rms vs run
χ² / ndf 6.219e+05 / 42
p0 3.545e−11 ± 7.815e−14
0.045
0.04
0.035
0.03
0.025
0.02
0.015
0.01
0.005
0
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

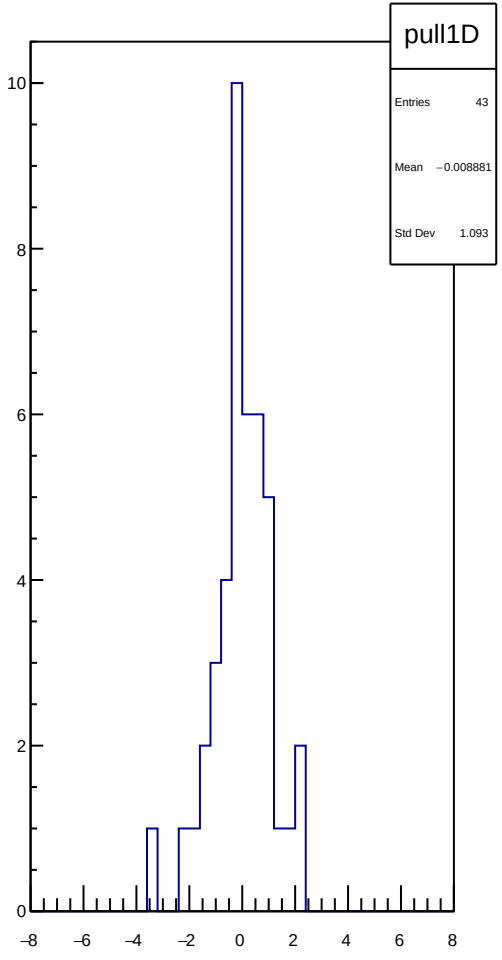

asym_sam_2468_avg_dit_vs_cor_diff_mean vs run
χ² / ndf 50.33 / 42
p0 0.02733 ± 0.07027
pull
Entries 43
Mean −778.2
Std Dev 0
pull1D
Entries 43
Mean −0.001106
Std Dev 1.082

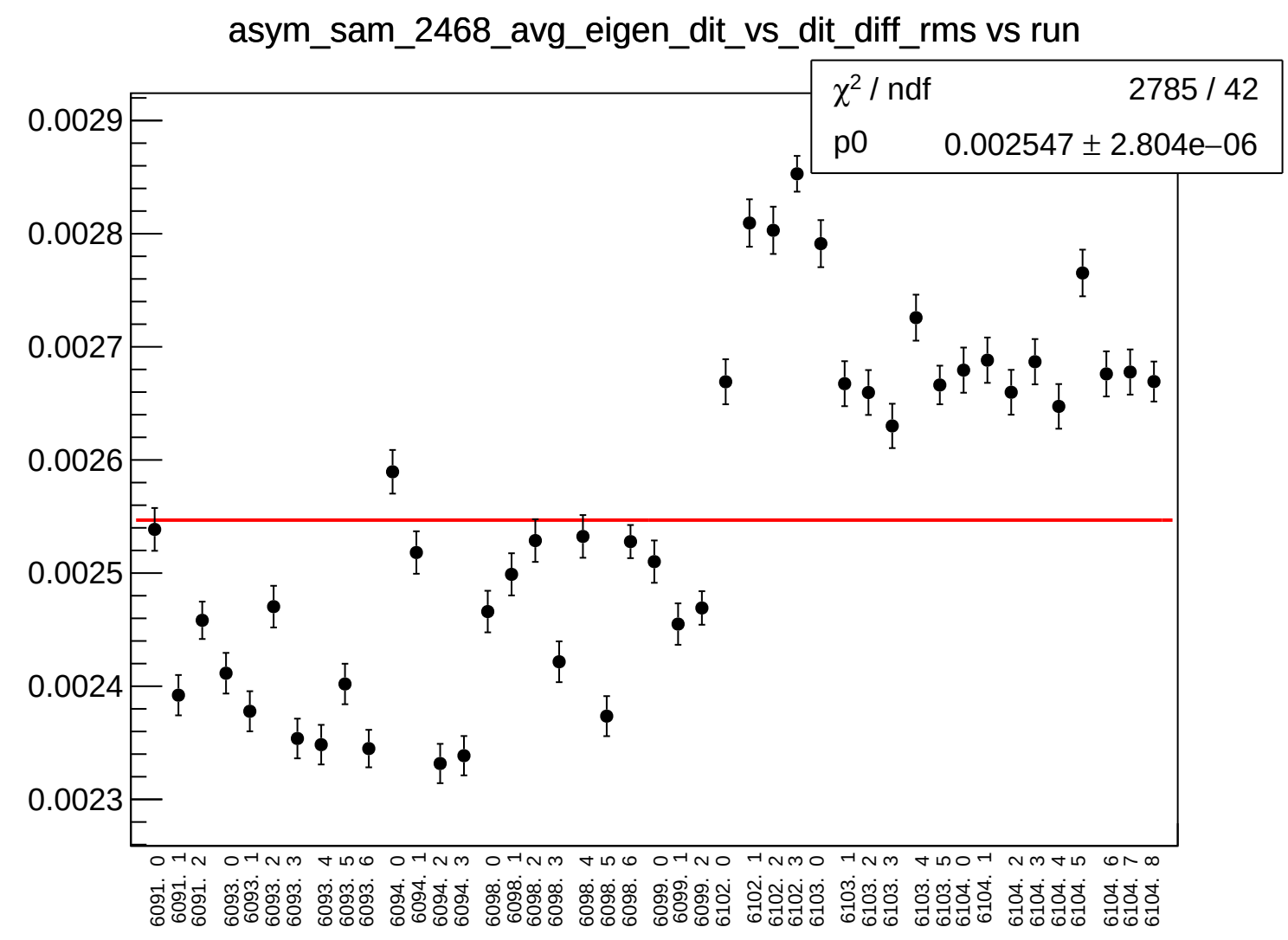

asym_sam_2468_avg_dit_vs_cor_diff_rms vs run
χ² / ndf 2.11e+04 / 42
p0 44.62 ± 0.04969
80
70
60
50
40
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

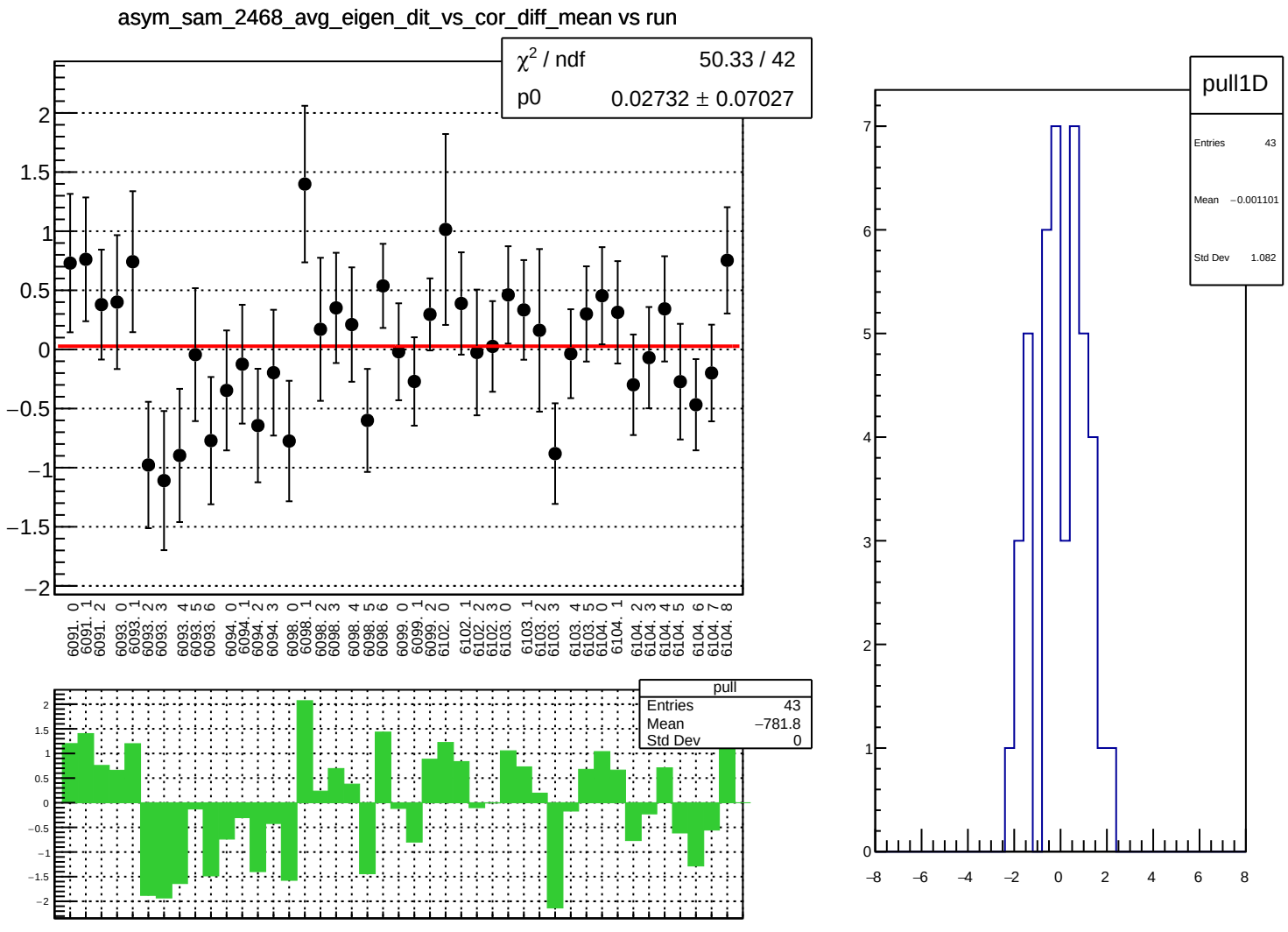

asym_sam_2468_avg_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 50.33 / 42
p0 0.02733 ± 0.07027
pull
Entries 43
Mean −778.2
Std Dev 0
pull1D
Entries 43
Mean −0.001106
Std Dev 1.082

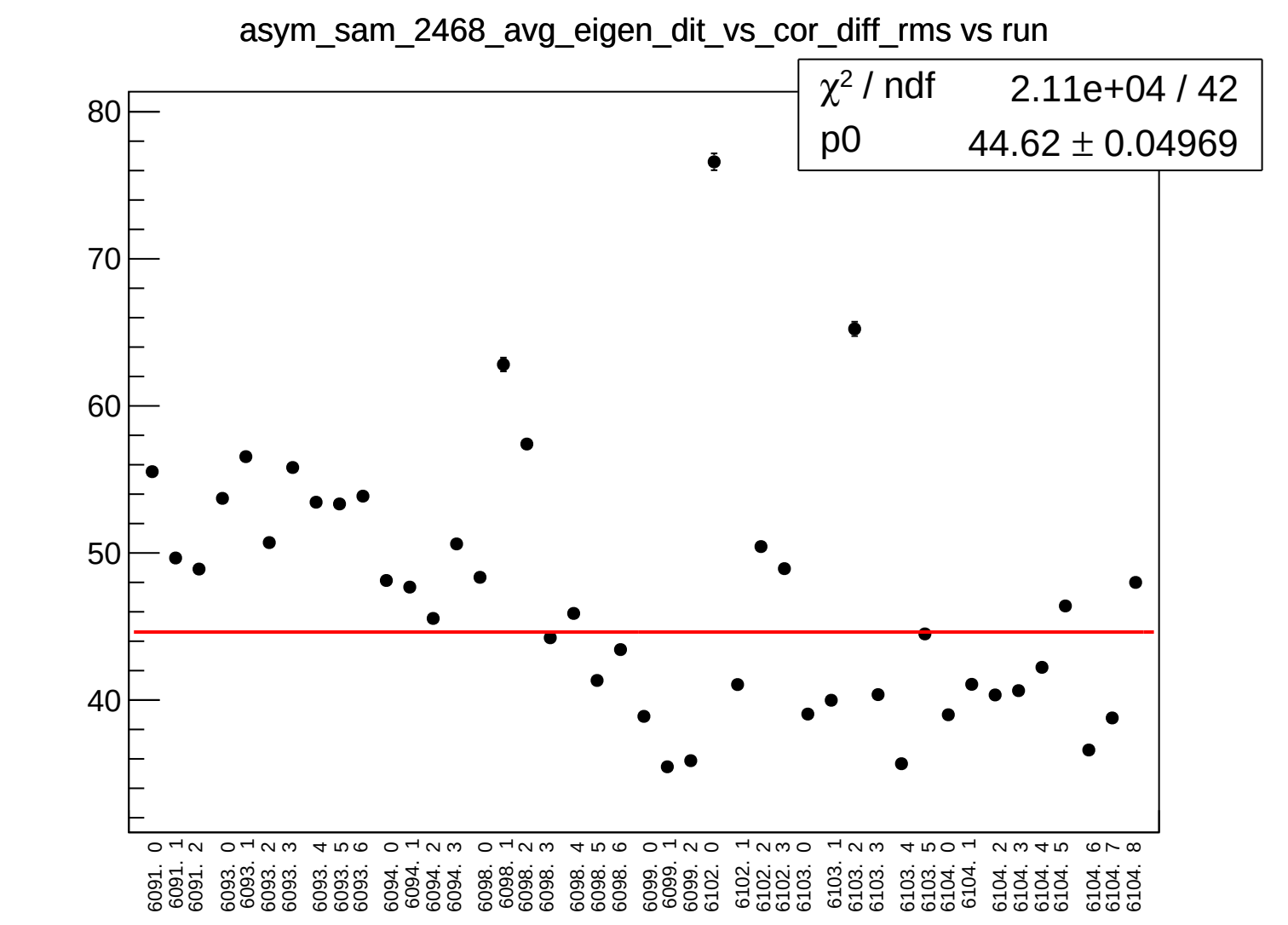

asym_sam_2468_avg_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 2.11e+04 / 42
p0 44.62 ± 0.04969
80
70
60
50
40
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

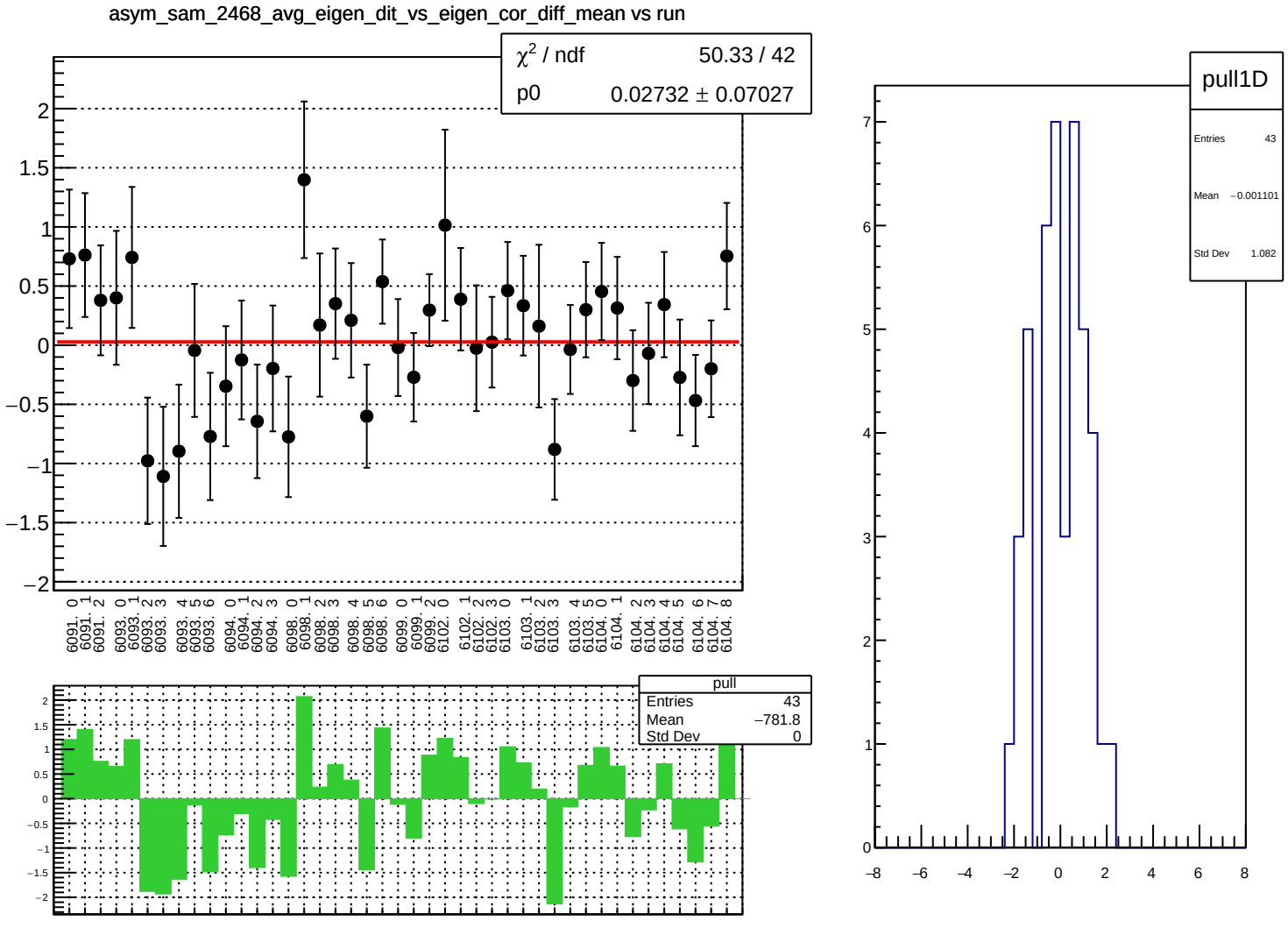

asym_sam_2468_avg_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 51.33 / 42
p0 −1.422e−06 ± 3.966e−06
pull
Entries 43
Mean 96.54
Std Dev 0

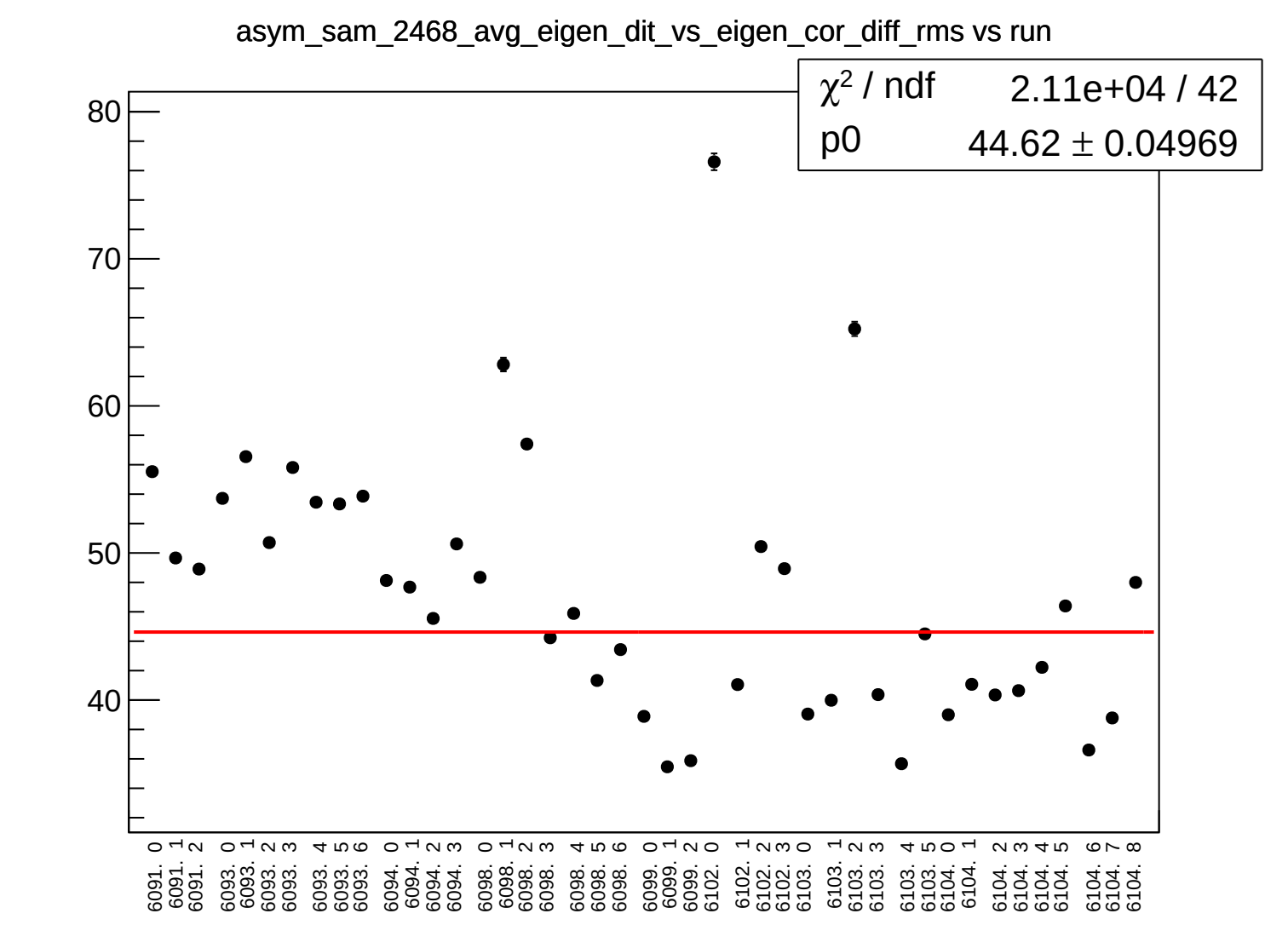

pull1D
Entries 43
Mean −0.008881
Std Dev 1.093

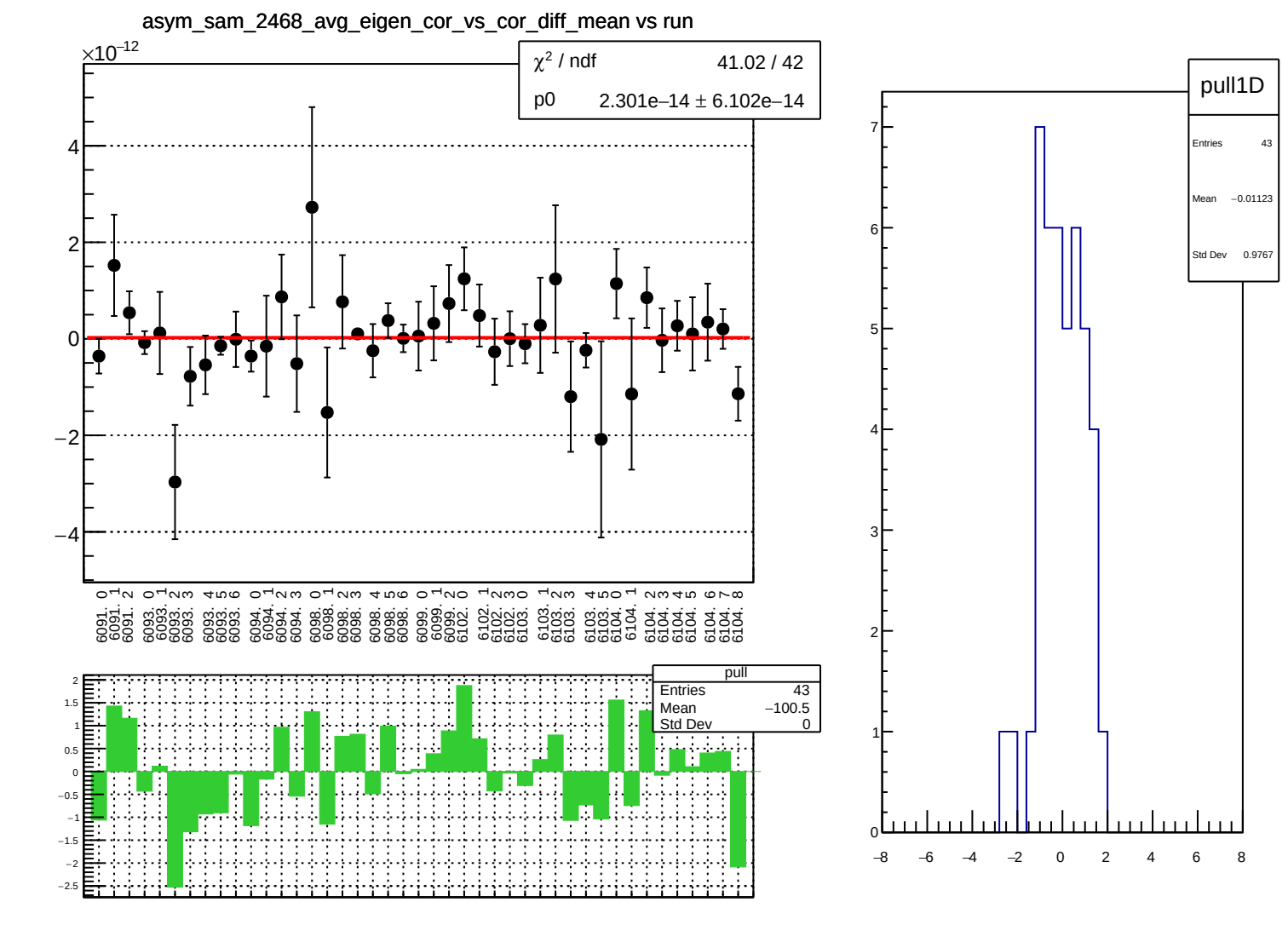

asym_sam_2468_avg_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 2785 / 42
p0 0.002547 ± 2.804e−06
0.0029
0.0028
0.0027
0.0026
0.0025
0.0024
0.0023
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

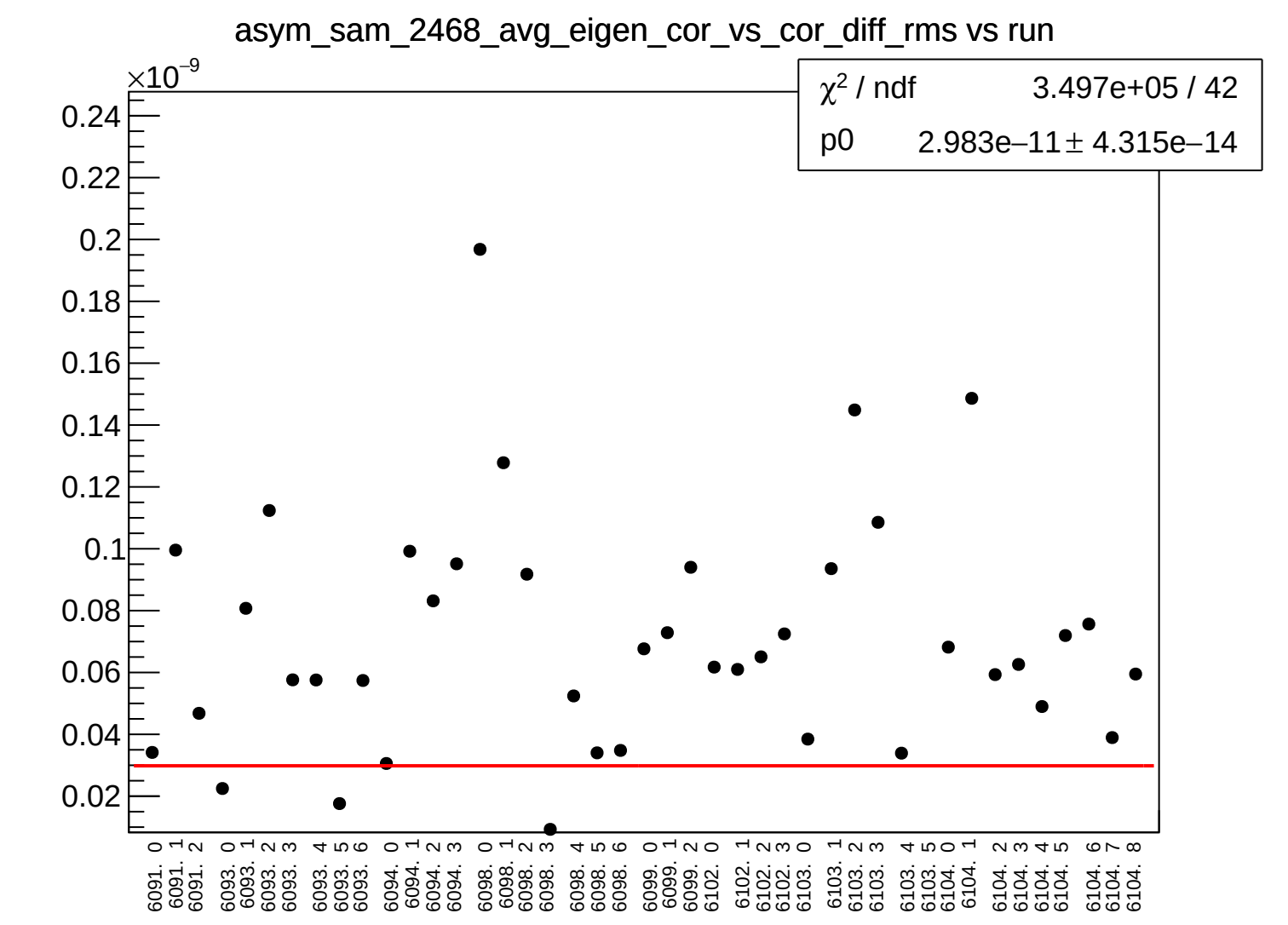

asym_sam_2468_avg_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 50.33 / 42
p0 0.02732 ± 0.07027
pull
Entries 43
Mean −781.8
Std Dev 0
pull1D
Entries 43
Mean −0.001101
Std Dev 1.082

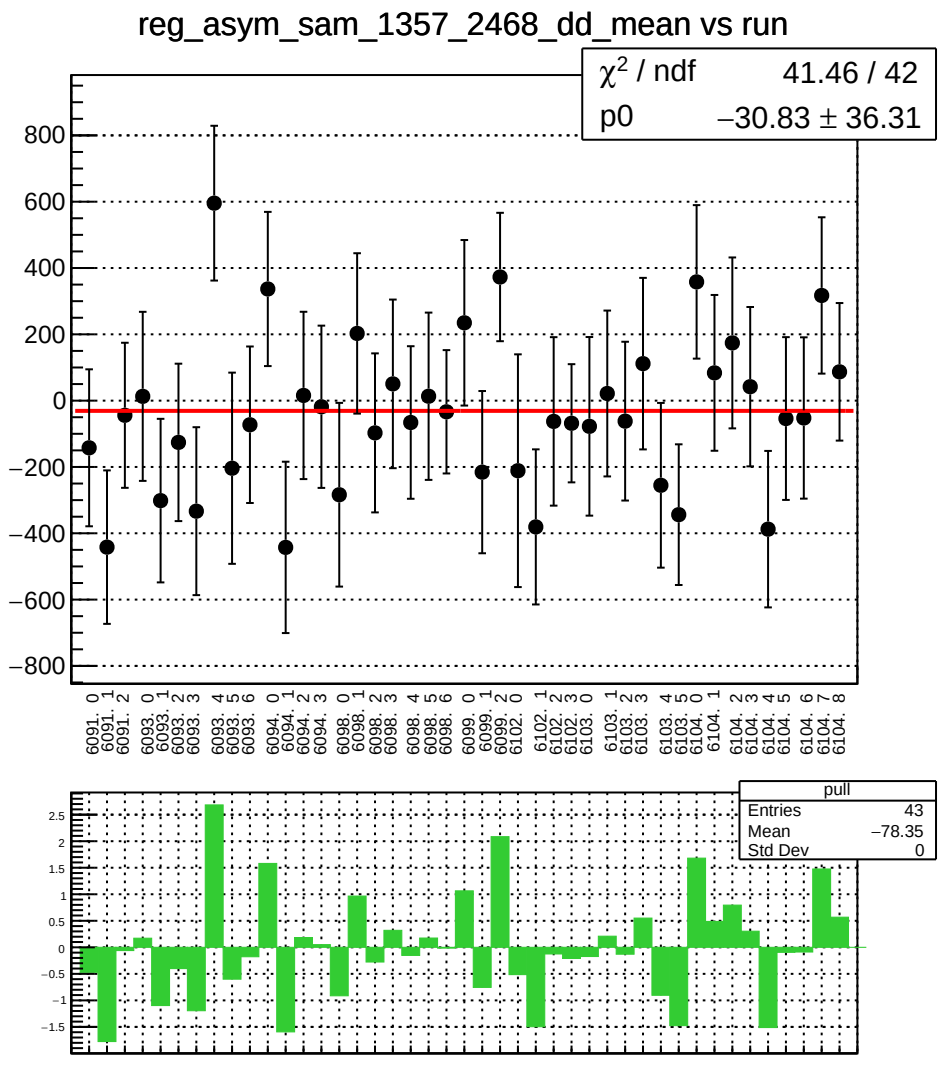

asym_sam_2468_avg_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 2.11e+04 / 42
p0 44.62 ± 0.04969
80
70
60
50
40
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

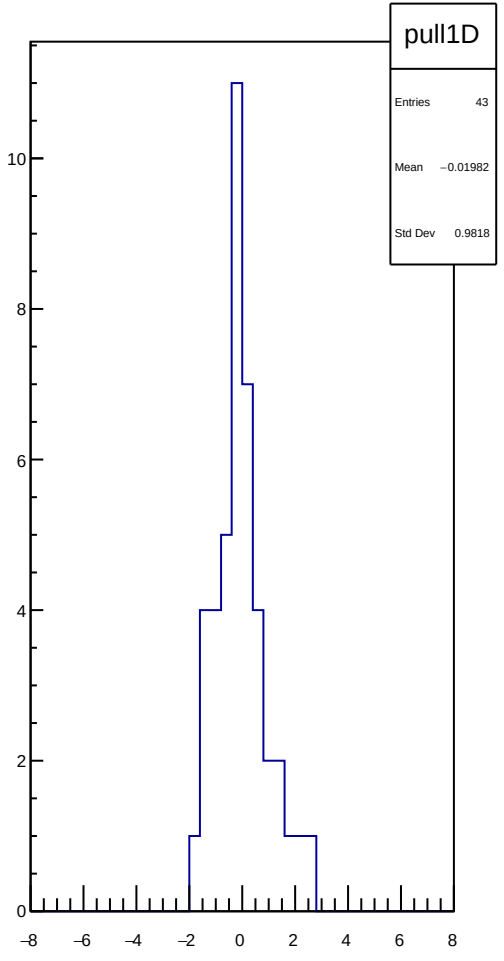

asym_sam_2468_avg_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 50.33 / 42
p0 0.02732 ± 0.07027
pull
Entries 43
Mean −781.8
Std Dev 0
pull1D
Entries 43
Mean −0.001101
Std Dev 1.082

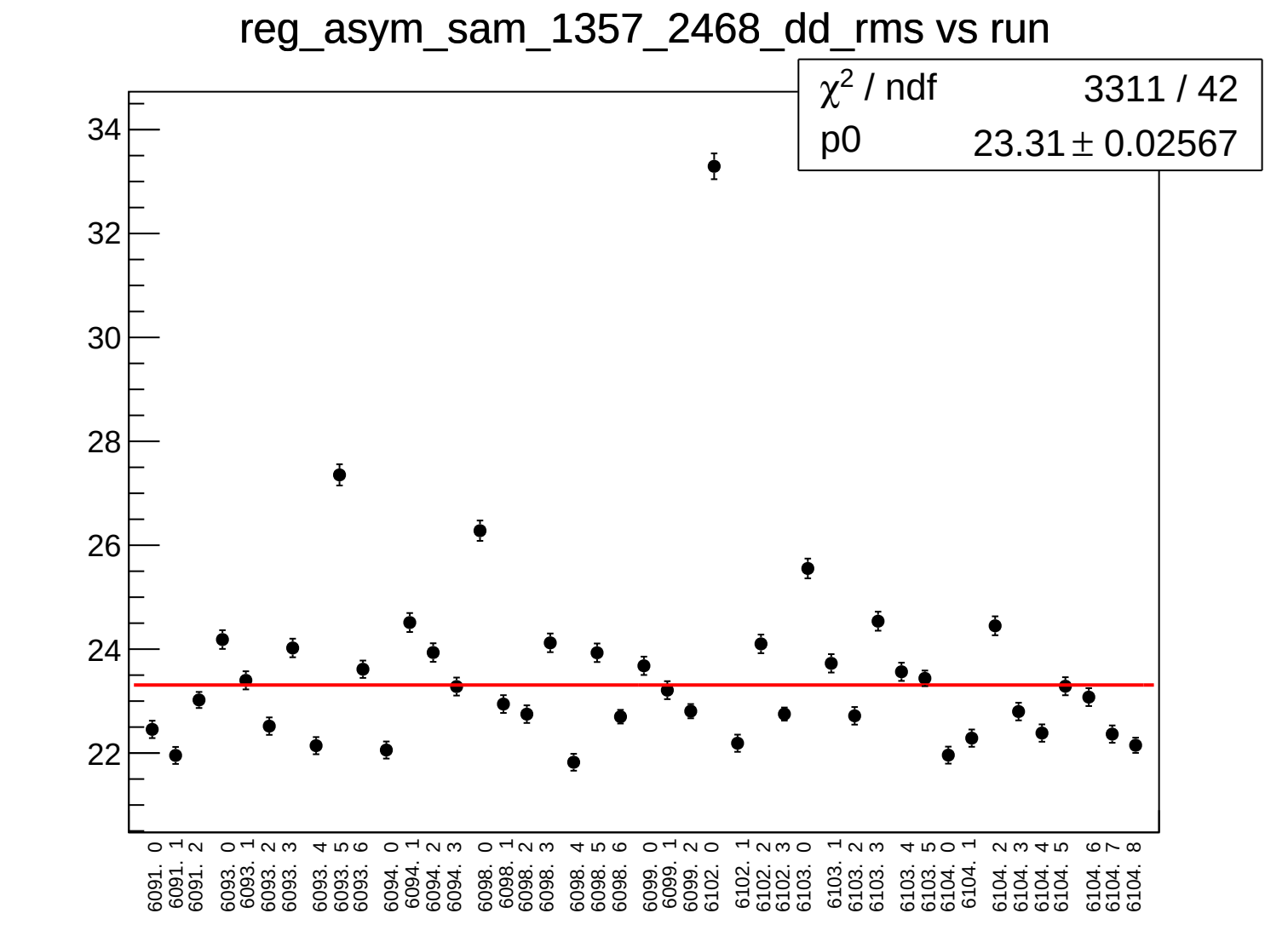

asym_sam_2468_avg_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 2.11e+04 / 42
p0 44.62 ± 0.04969
80
70
60
50
40
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

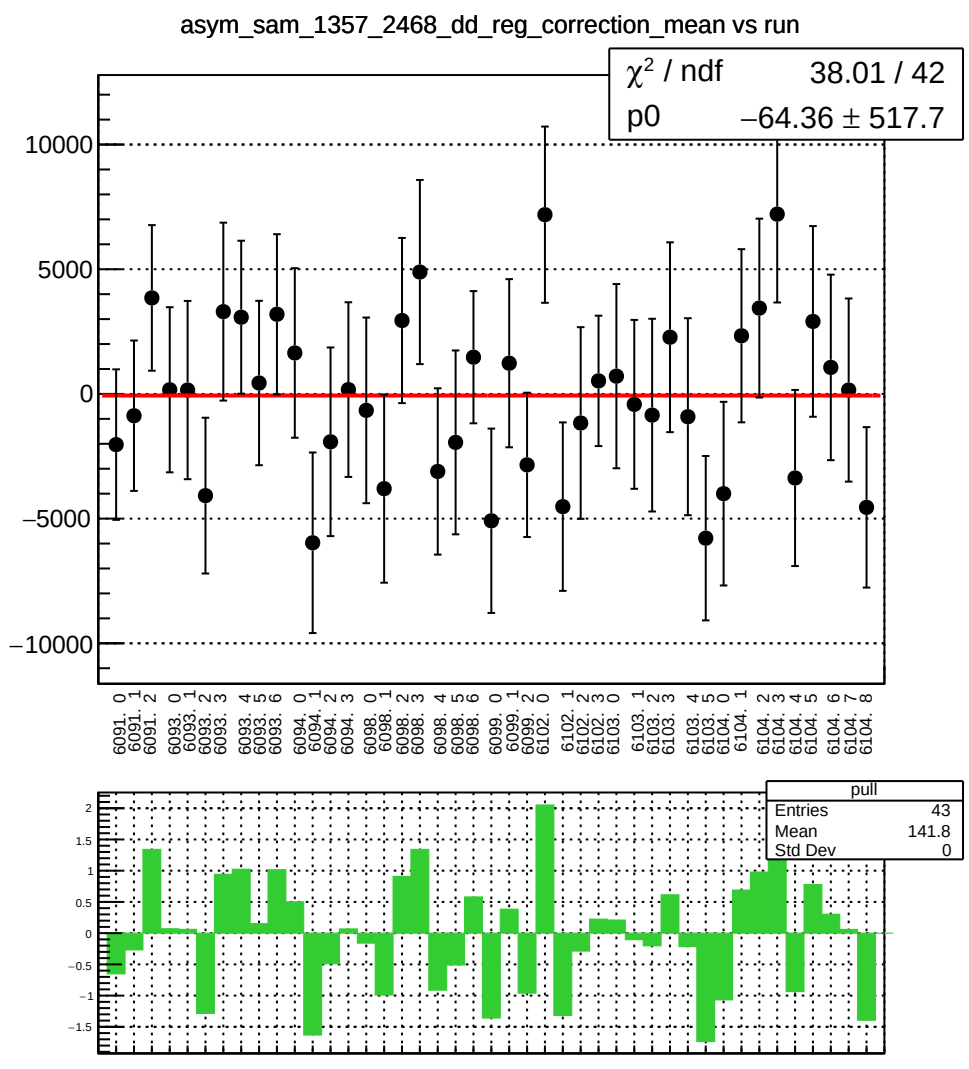

asym_sam_2468_avg_eigen_cor_vs_cor_diff_mean vs run
×10−12
χ2 / ndf 41.02 / 42
p0 2.301e−14 ± 6.102e−14
4
2
0
−2
−4
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean −100.5
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5
pull1D
Entries 43
Mean −0.01123
Std Dev 0.9767
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

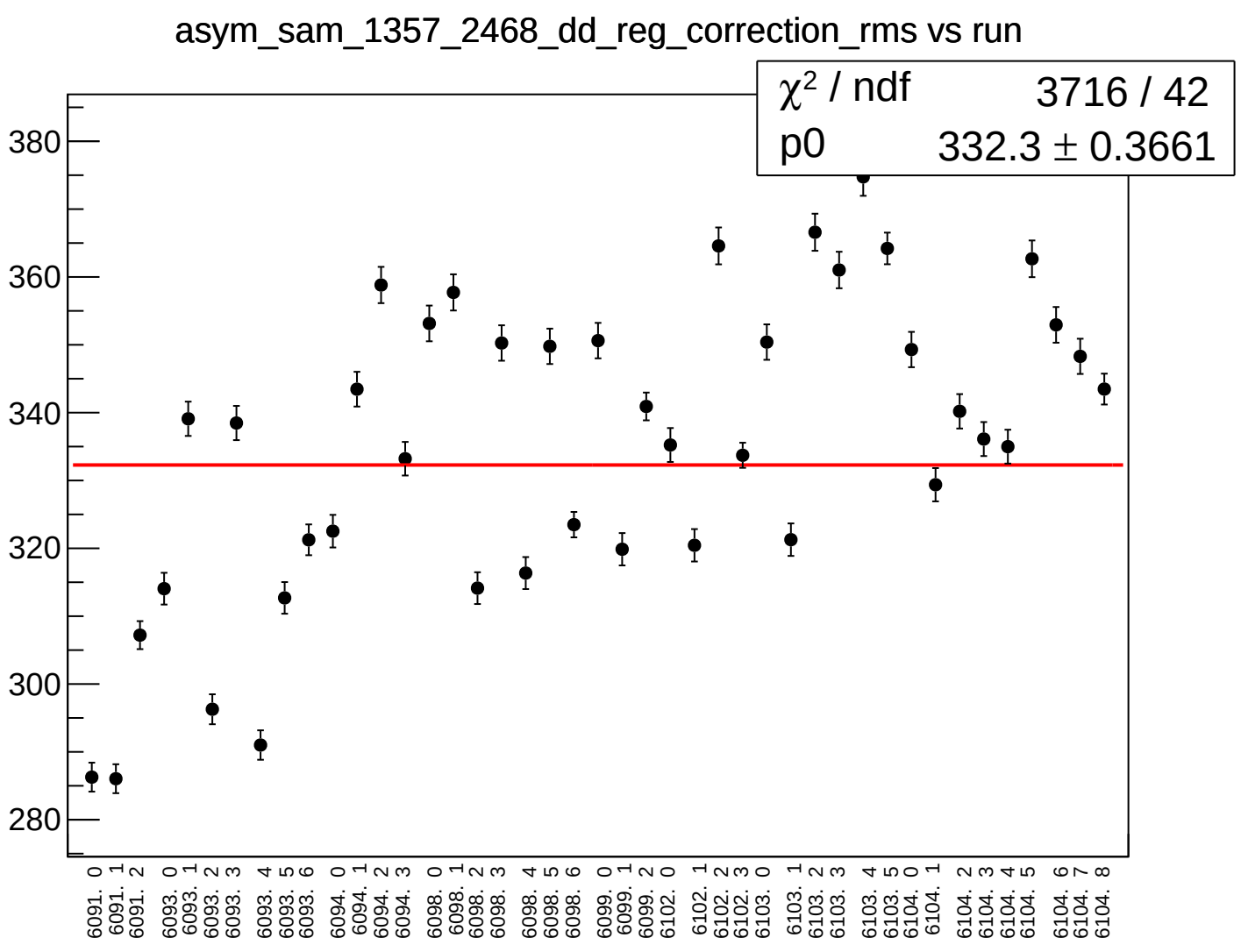

asym_sam_2468_avg_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 3.497e+05 / 42
p0 2.983e−11 ± 4.315e−14
0.24
0.22
0.2
0.18
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

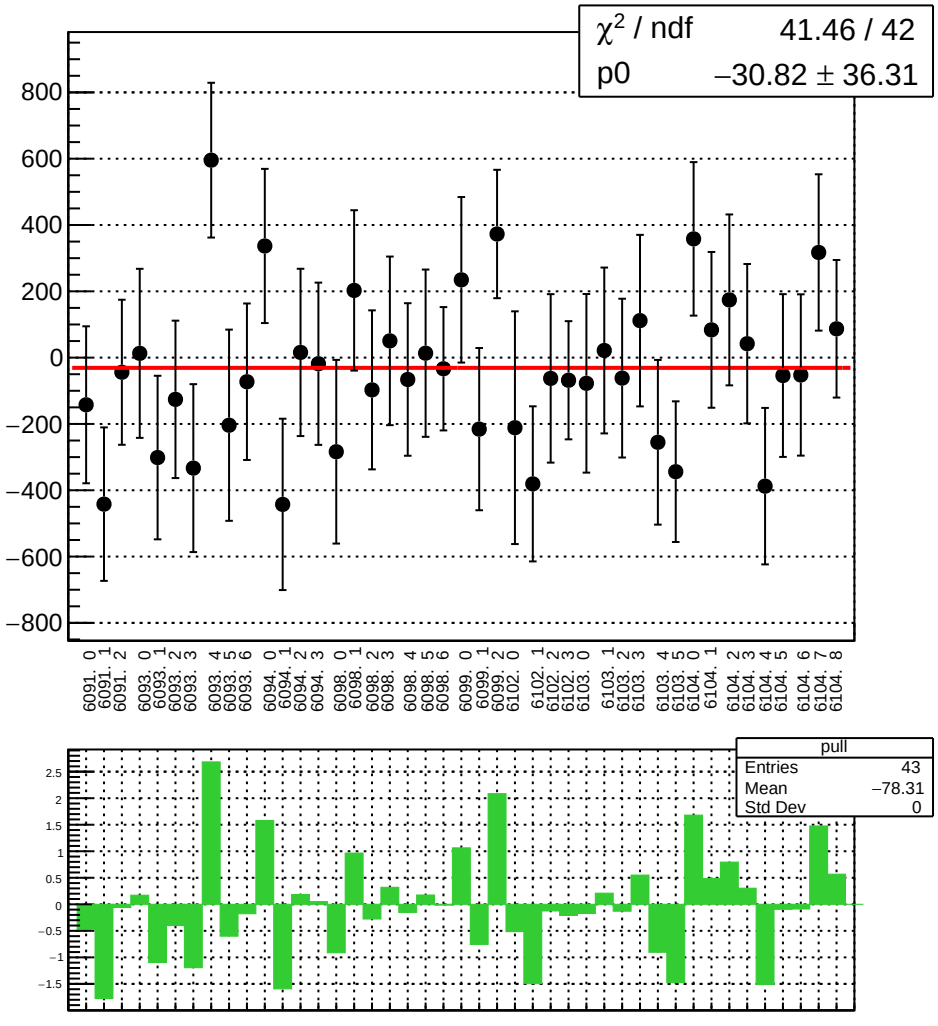

reg_asym_sam_1357_2468_dd_mean vs run
χ^2 / ndf 41.46 / 42
p0 −30.83 ± 36.31
pull
Entries 43
Mean −78.35
Std Dev 0

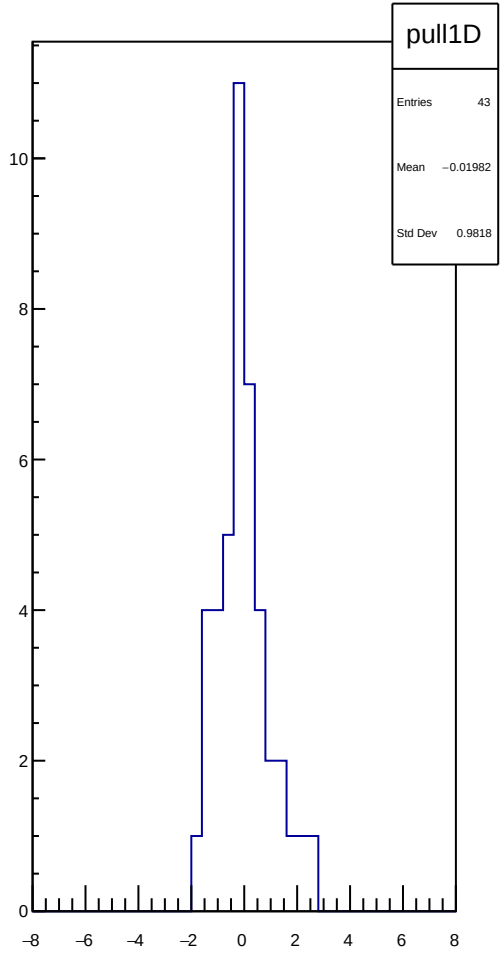

pull1D
Entries 43
Mean −0.01982
Std Dev 0.9818

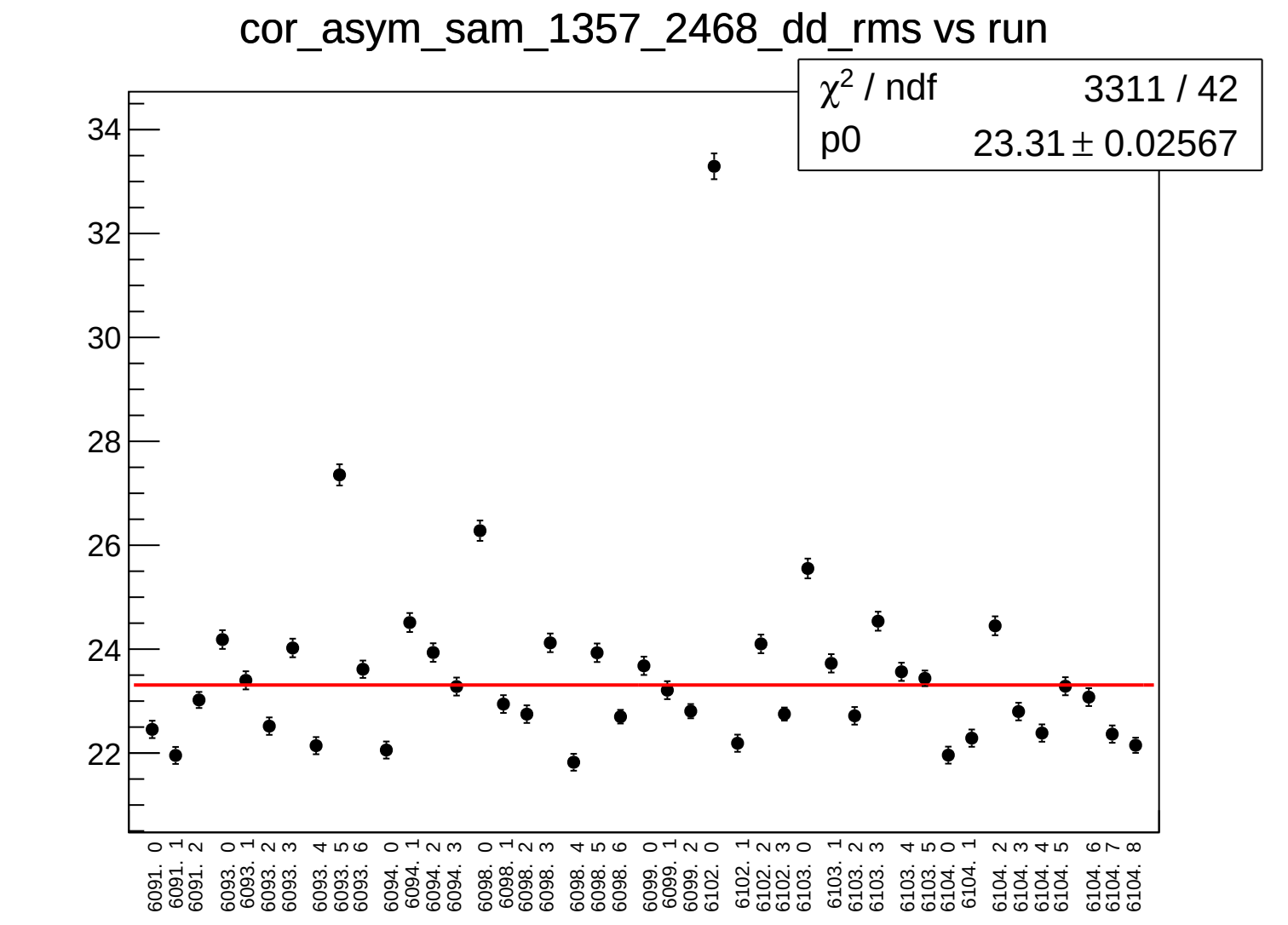

reg_asym_sam_1357_2468_dd_rms vs run
χ² / ndf 3311 / 42
p0 23.31 ± 0.02567
34
32
30
28
26
24
22
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

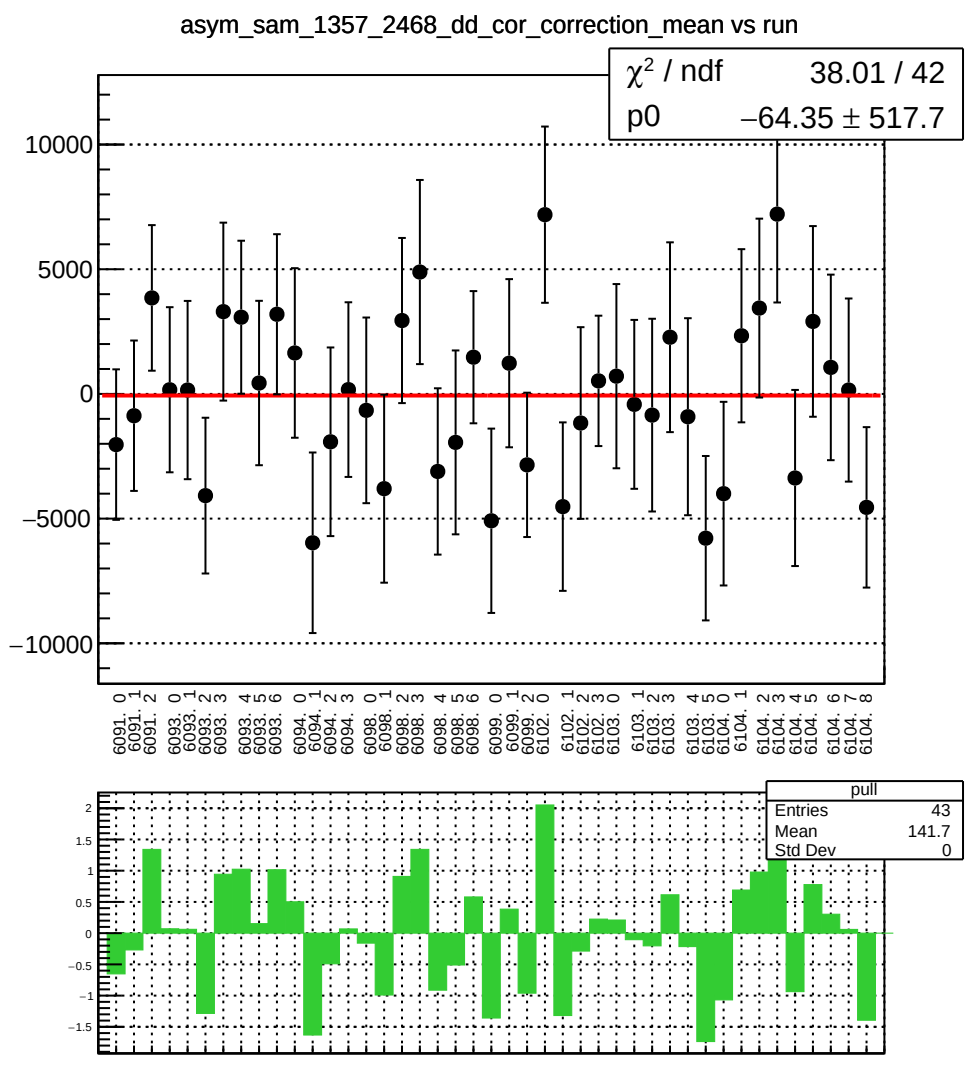

asym_sam_1357_2468_dd_reg_correction_mean vs run
χ² / ndf 38.01 / 42
p0 −64.36 ± 517.7
10000
5000
0
−5000
−10000
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 141.8
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 43
Mean −0.003044
Std Dev 0.9402
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

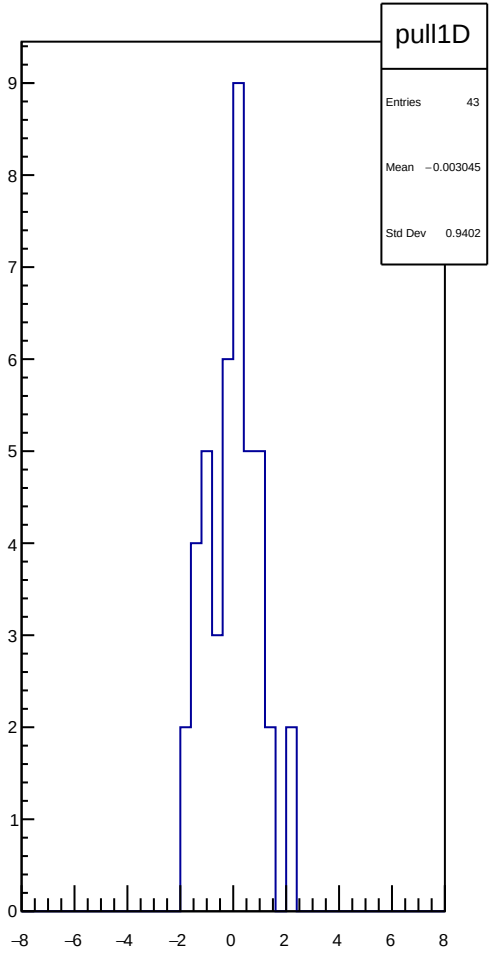

asym_sam_1357_2468_dd_reg_correction_rms vs run
χ² / ndf 3716 / 42
p0 332.3 ± 0.3661
380
360
340
320
300
280
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

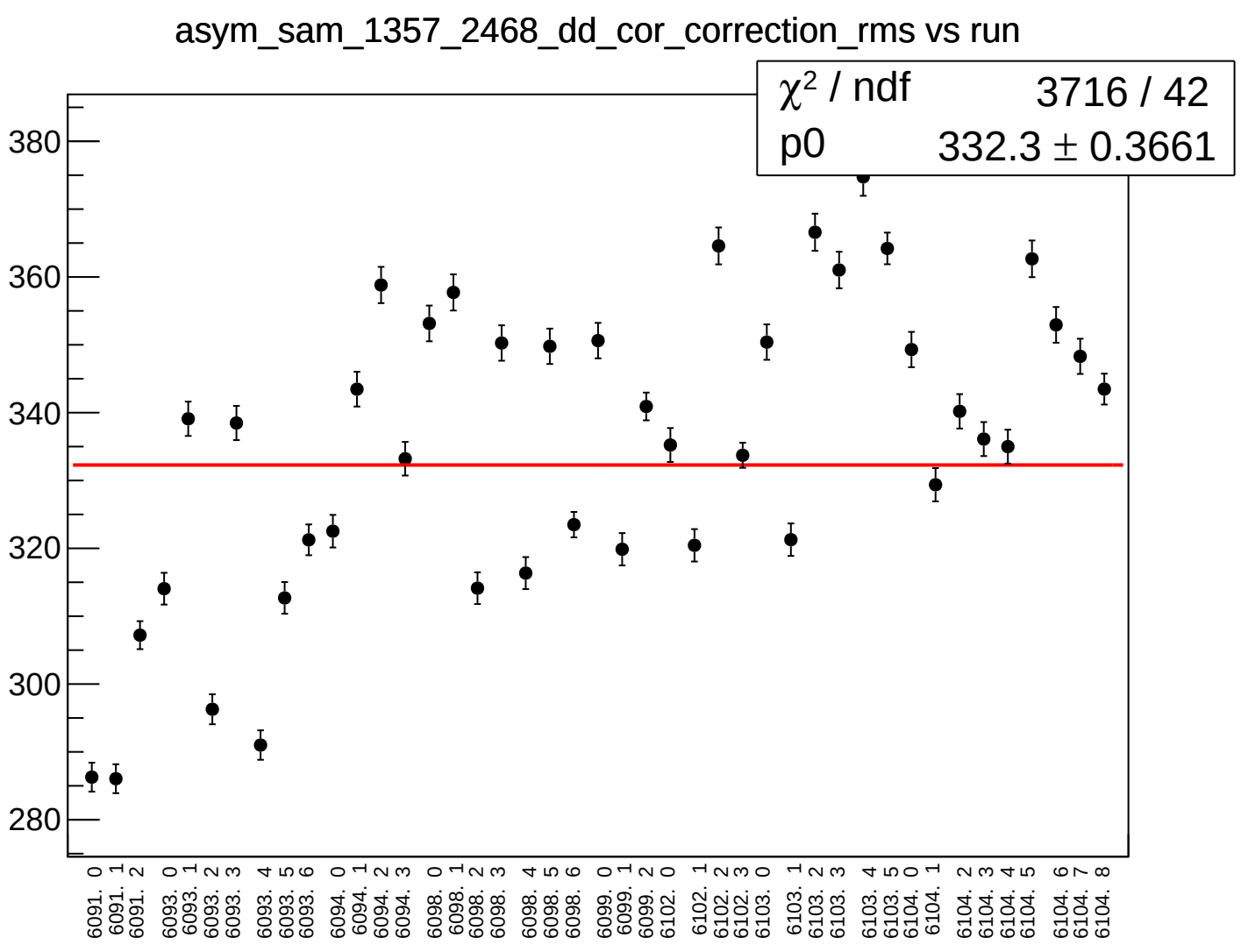

cor_asym_sam_1357_2468_dd_mean vs run
χ^2 / ndf 41.46 / 42
p0 −30.82 ± 36.31
pull
Entries 43
Mean −78.31
Std Dev 0

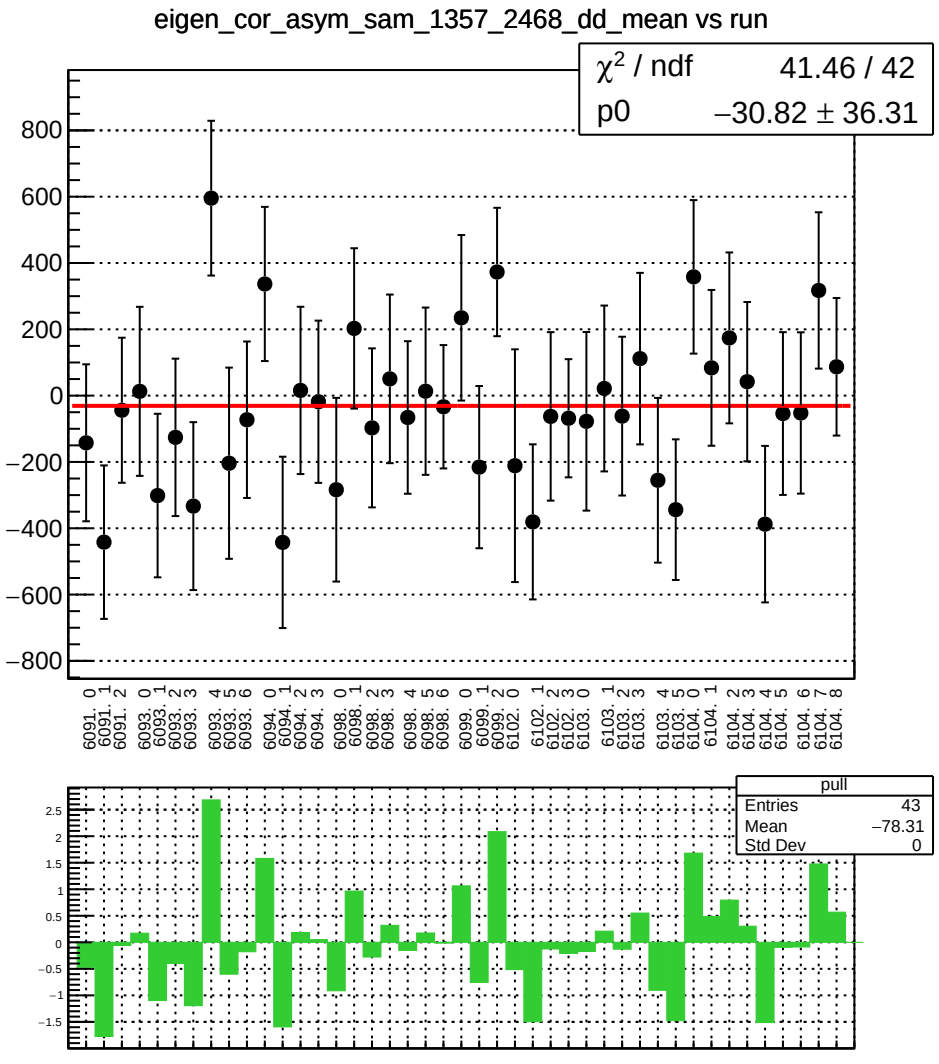

pull1D
Entries 43
Mean −0.01982
Std Dev 0.9818

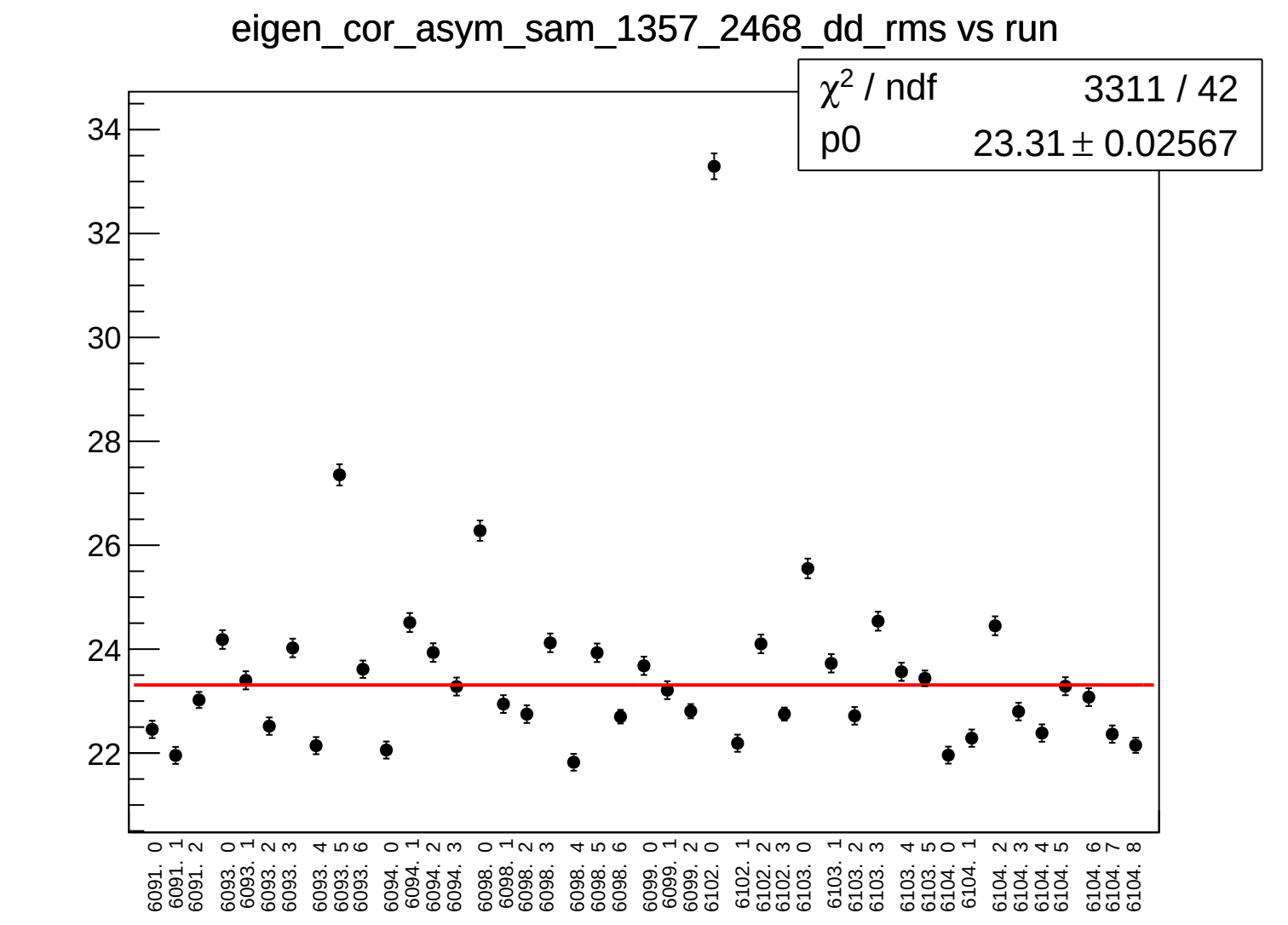

cor_asym_sam_1357_2468_dd_rms vs run
χ² / ndf 3311 / 42
p0 23.31 ± 0.02567
34
32
30
28
26
24
22
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

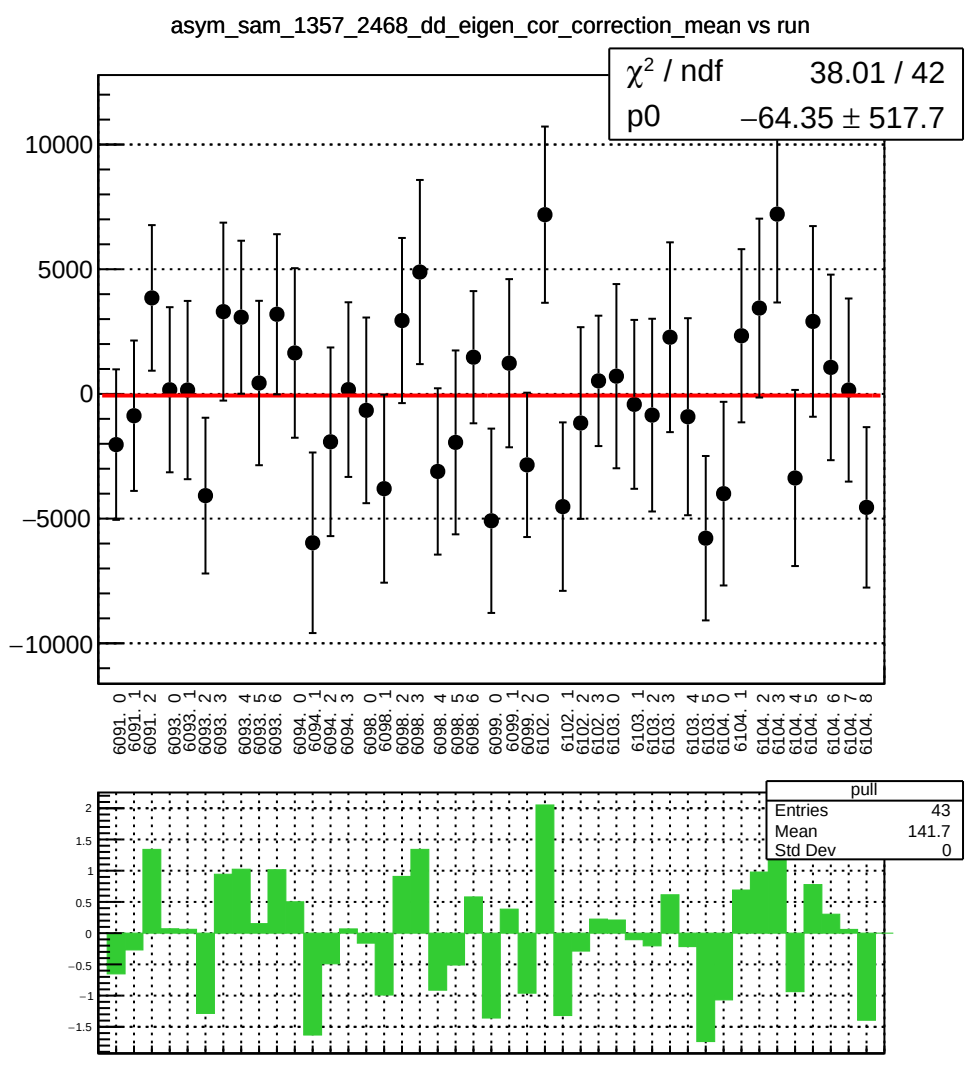

asym_sam_1357_2468_dd_cor_correction_mean vs run
χ² / ndf 38.01 / 42
p0 −64.35 ± 517.7
10000
5000
0
−5000
−10000
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 141.7
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5

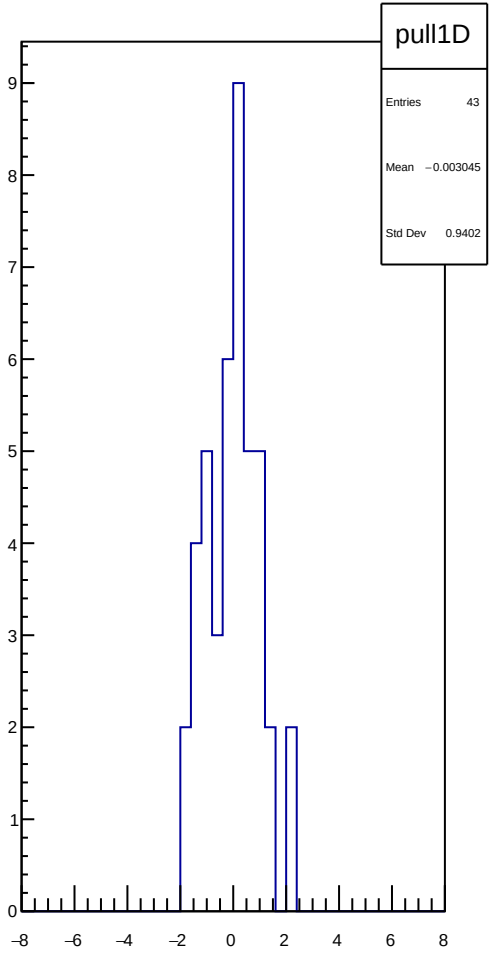

pull1D
Entries 43
Mean −0.003045
Std Dev 0.9402
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

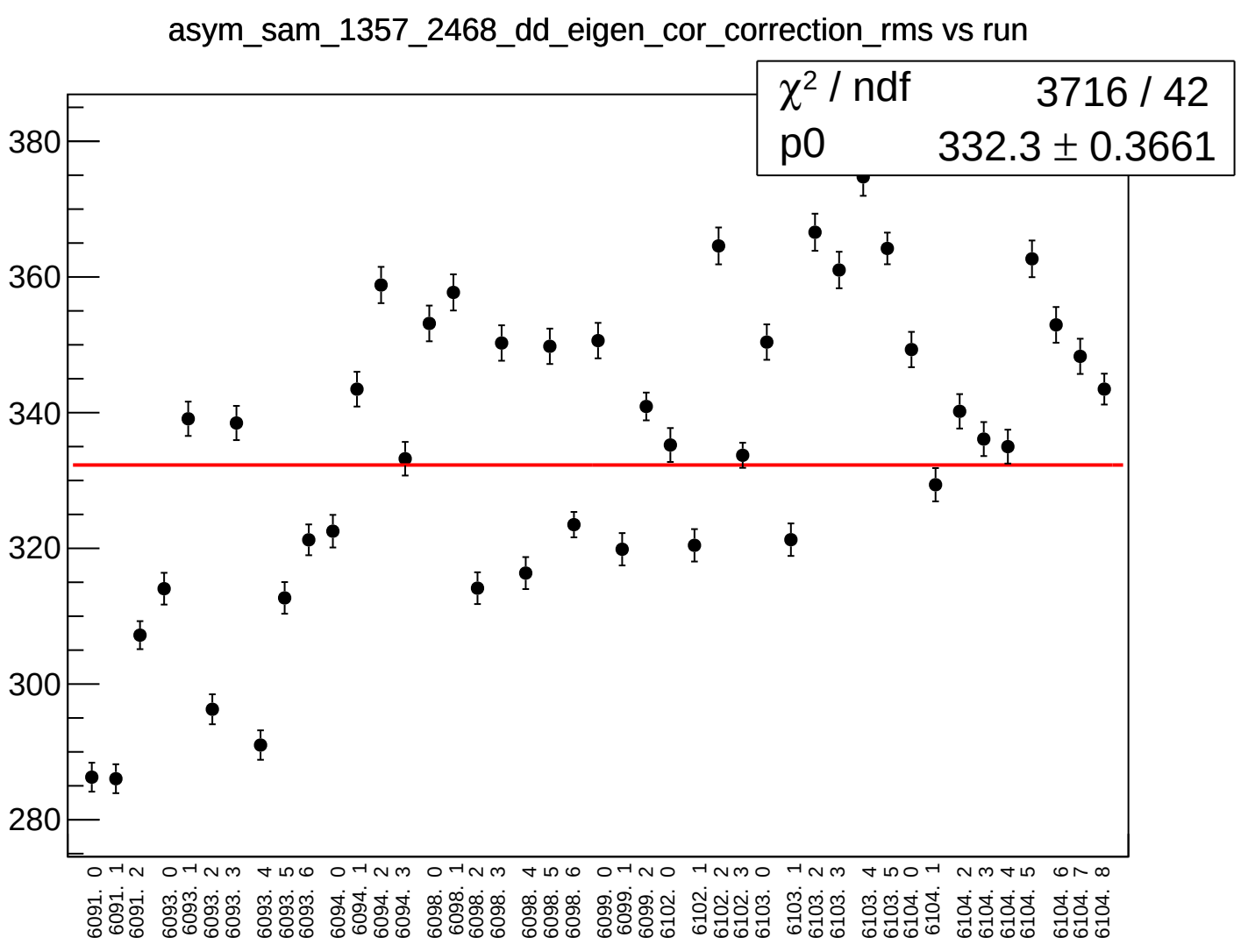

asym_sam_1357_2468_dd_cor_correction_rms vs run
χ² / ndf 3716 / 42
p0 332.3 ± 0.3661
380
360
340
320
300
280
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8


eigen_cor_asym_sam_1357_2468_dd_mean vs run
χ² / ndf 41.46 / 42
p0 −30.82 ± 36.31
pull
Entries 43
Mean −78.31
Std Dev 0
pull1D
Entries 43
Mean −0.01982
Std Dev 0.9818


eigen_cor_asym_sam_1357_2468_dd_rms vs run
χ² / ndf 3311 / 42
p0 23.31 ± 0.02567
34
32
30
28
26
24
22
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8


asym_sam_1357_2468_dd_eigen_cor_correction_mean vs run
χ² / ndf 38.01 / 42
p0 −64.35 ± 517.7
10000
5000
0
−5000
−10000
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 141.7
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5


pull1D
Entries 43
Mean −0.003045
Std Dev 0.9402
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


asym_sam_1357_2468_dd_eigen_cor_correction_rms vs run
χ² / ndf 3716 / 42
p0 332.3 ± 0.3661
380
360
340
320
300
280
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
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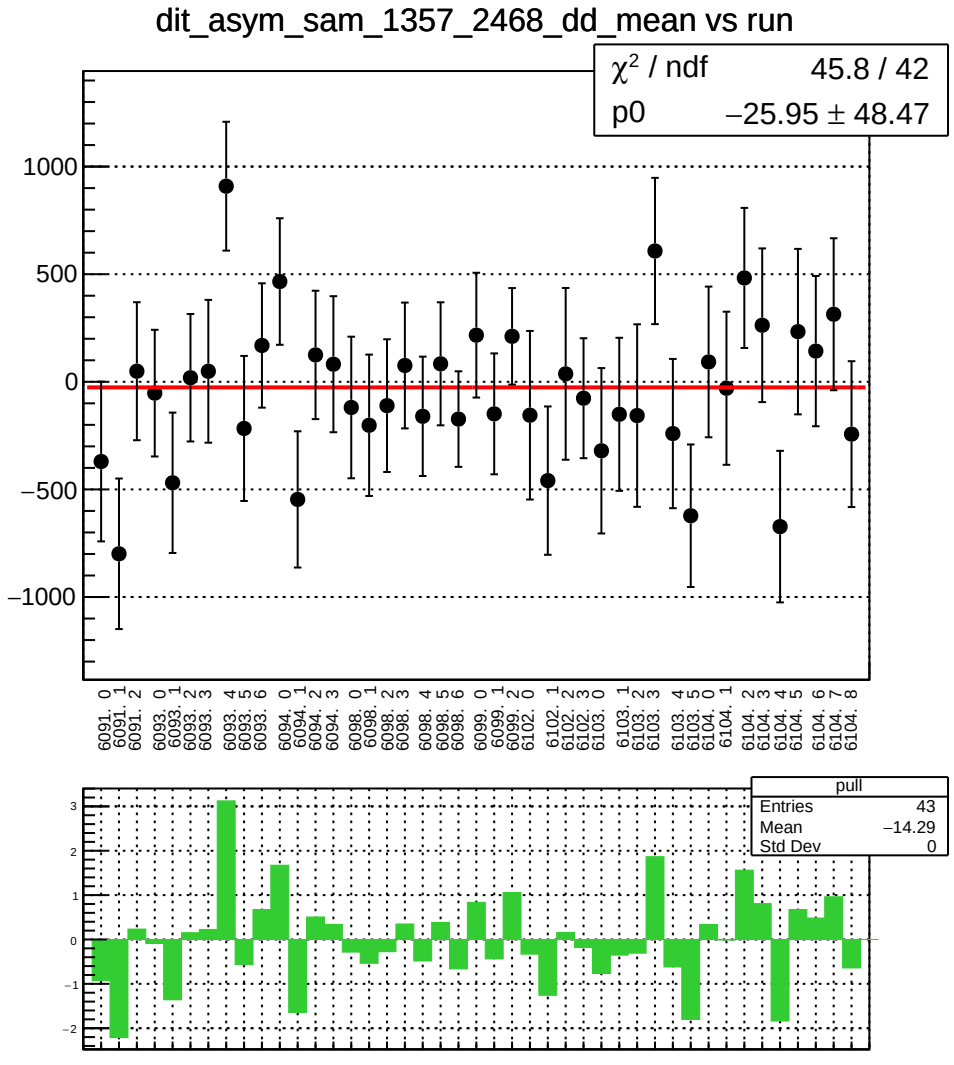
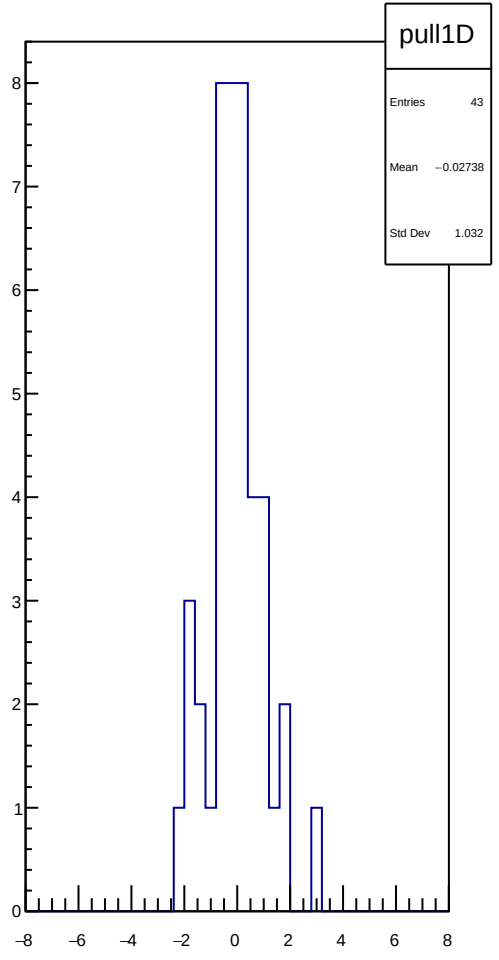
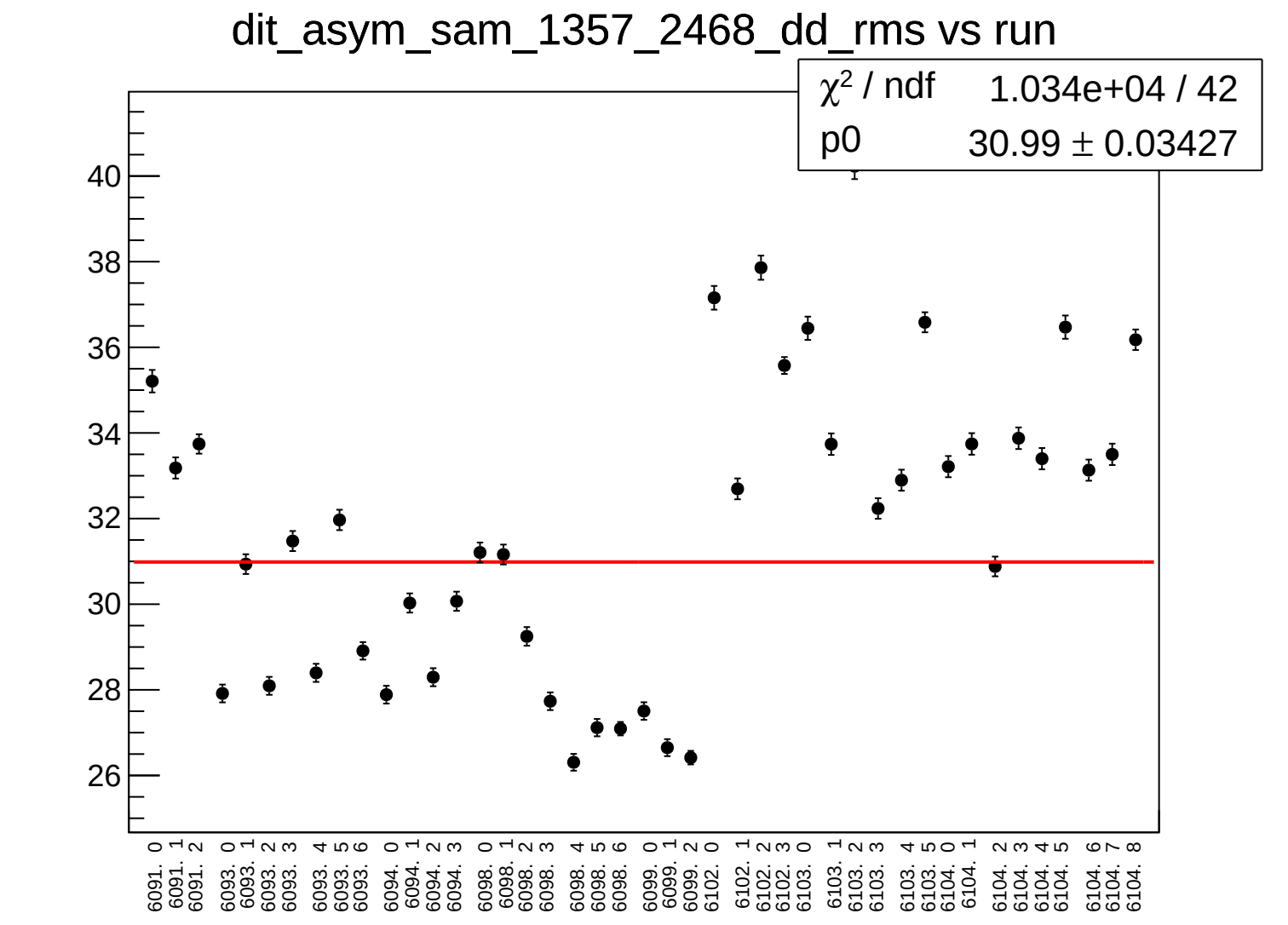
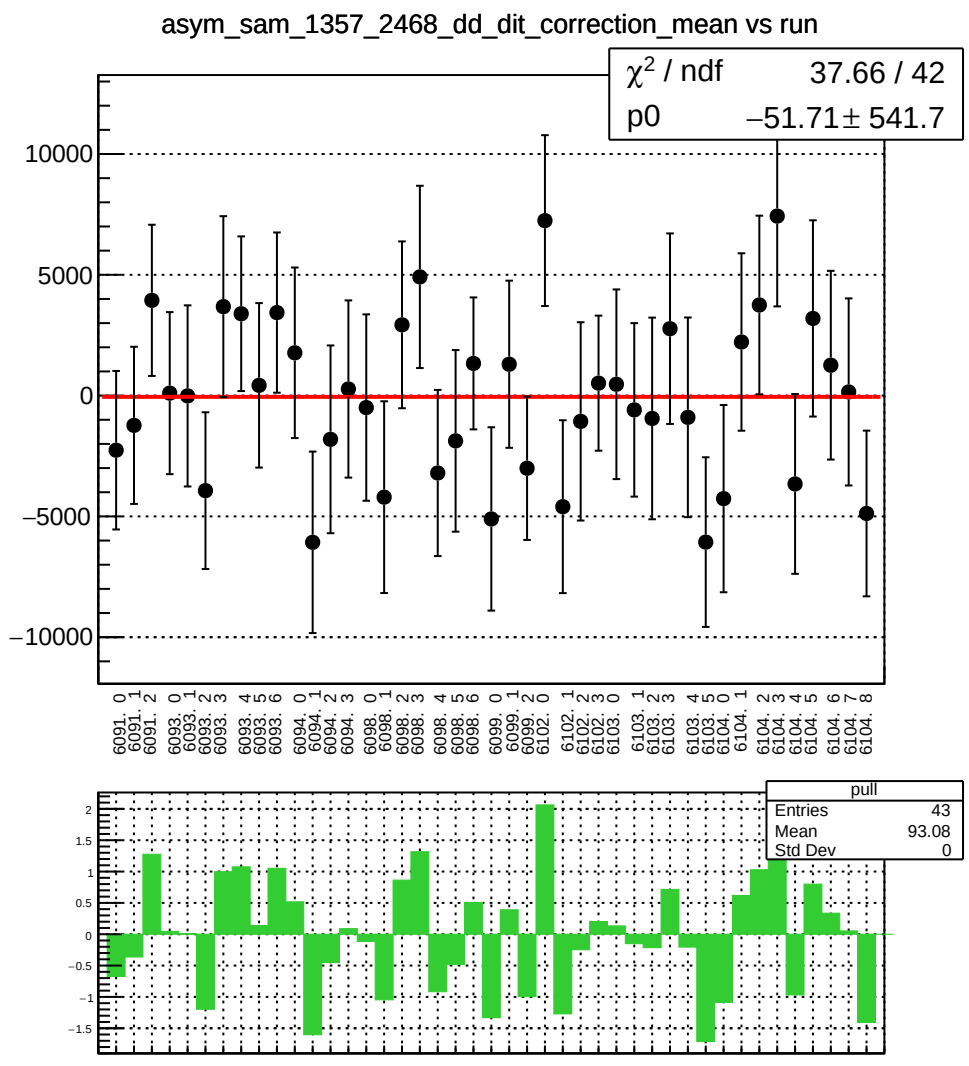
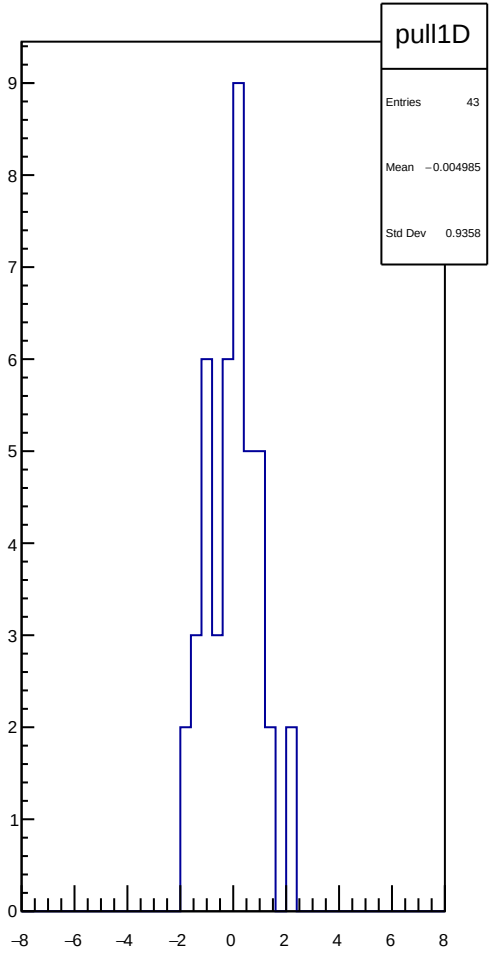
6104. 6
6104. 7
6104. 8

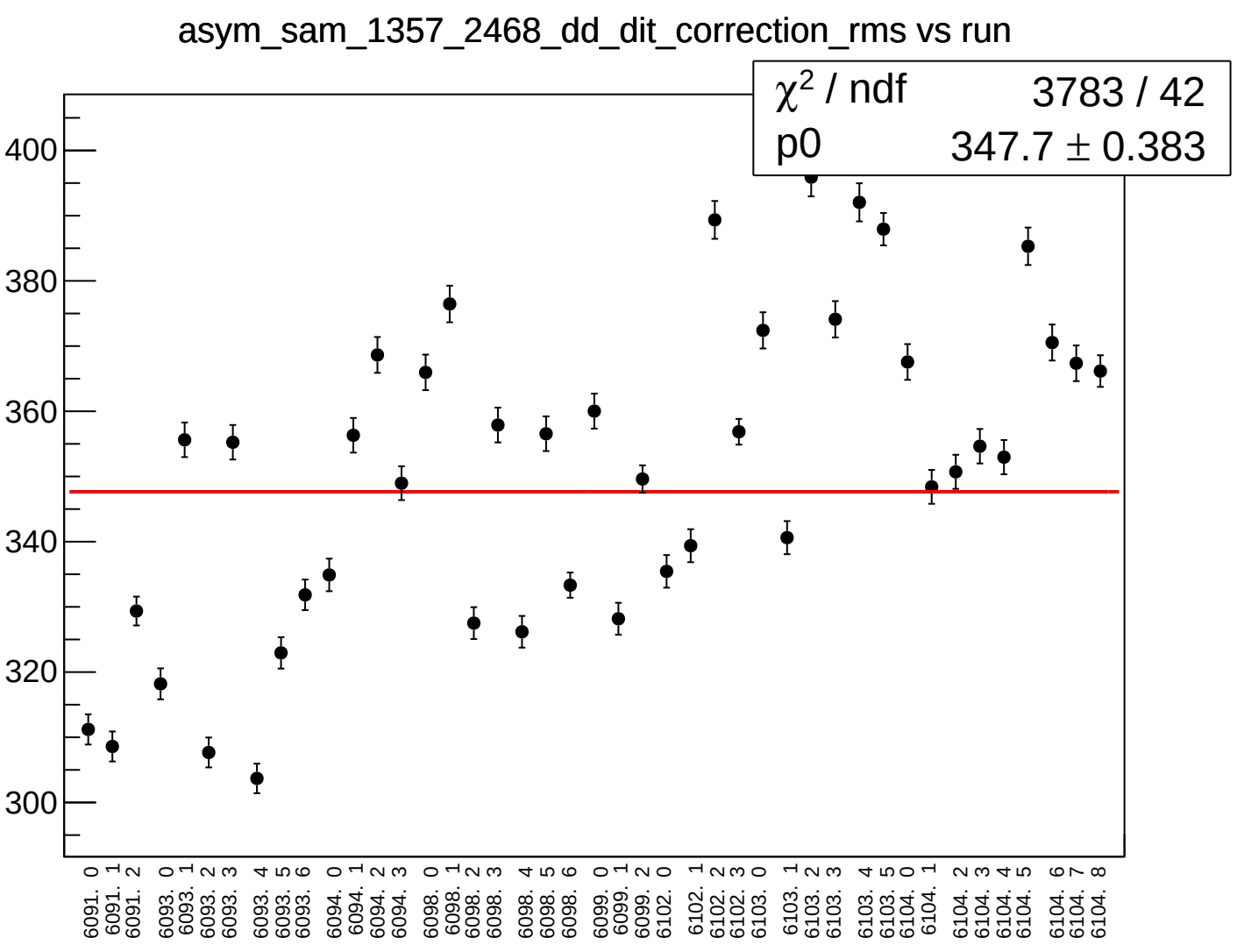

dit_asym_sam_1357_2468_dd_mean vs run
χ² / ndf 45.8 / 42
p0 −25.95 ± 48.47
1000
500
0
−500
−1000
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean −14.29
Std Dev 0
3
2
1
0
−1
−2

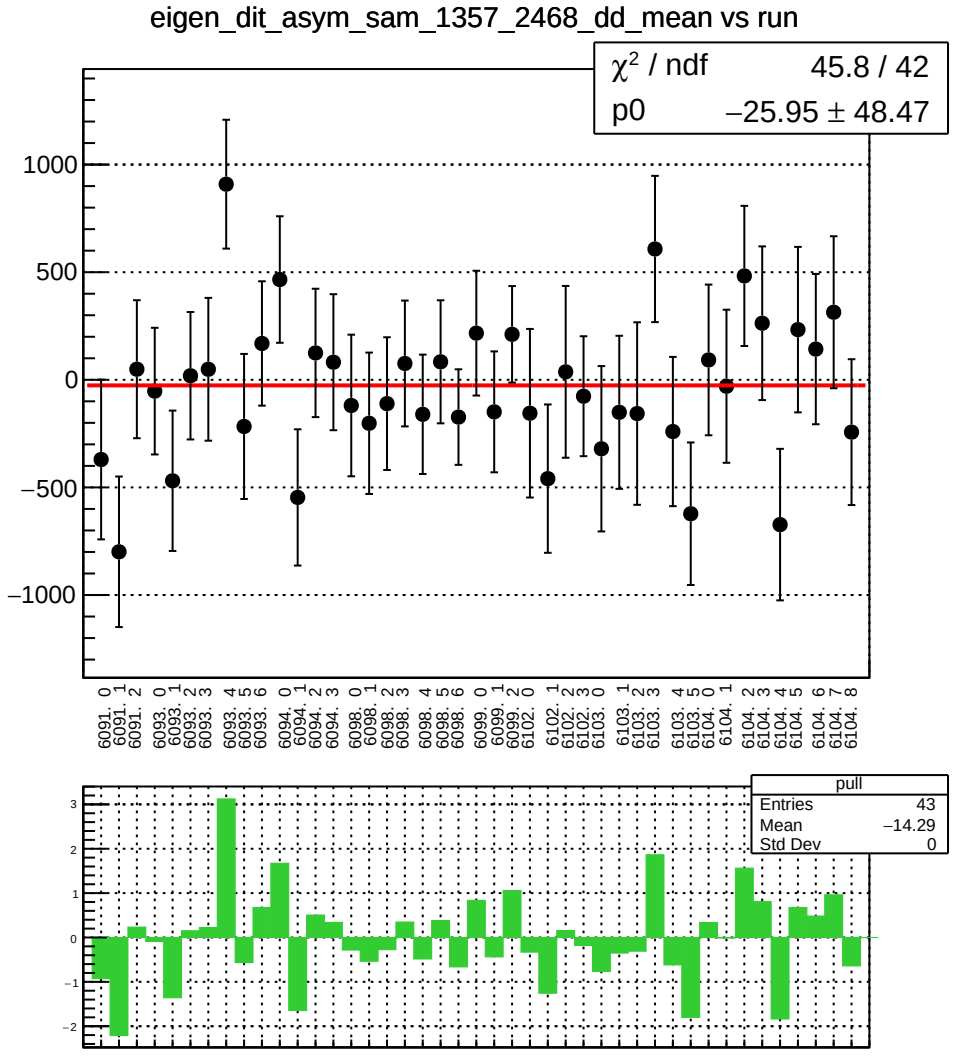

pull1D
Entries 43
Mean −0.02738
Std Dev 1.032
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


dit_asym_sam_1357_2468_dd_rms vs run
χ² / ndf 1.034e+04 / 42
p0 30.99 ± 0.03427
40
38
36
34
32
30
28
26
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8


asym_sam_1357_2468_dd_dit_correction_mean vs run
χ² / ndf 37.66 / 42
p0 −51.71 ± 541.7
10000
5000
0
−5000
−10000
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 93.08
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5


pull1D
Entries 43
Mean −0.004985
Std Dev 0.9358
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


asym_sam_1357_2468_dd_dit_correction_rms vs run
χ² / ndf 3783 / 42
p0 347.7 ± 0.383
400
380
360
340
320
300
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8


eigen_dit_asym_sam_1357_2468_dd_mean vs run
χ² / ndf 45.8 / 42
p0 −25.95 ± 48.47
1000
500
0
−500
−1000
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
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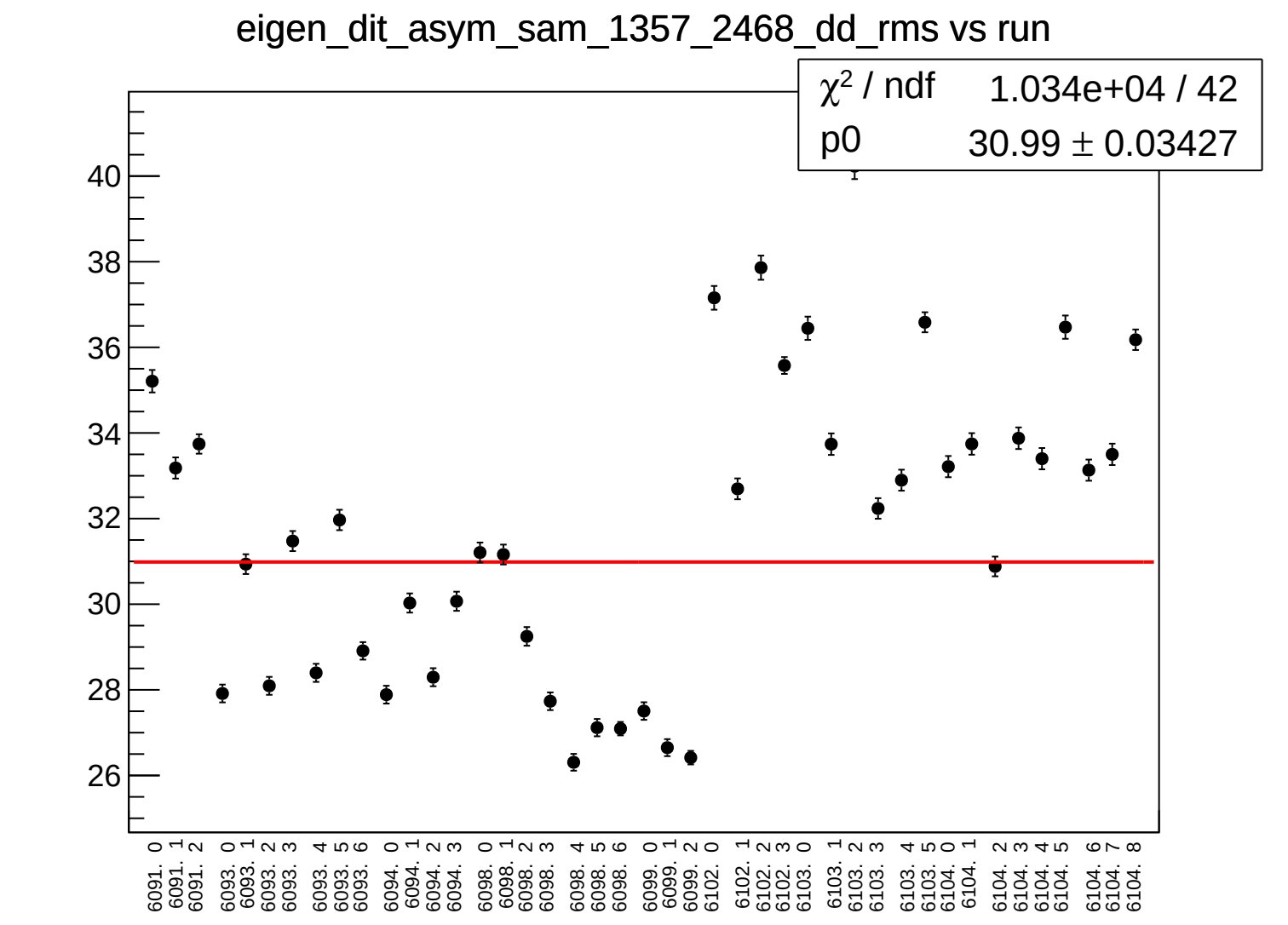
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean −14.29
Std Dev 0
3
2
1
0
−1
−2
pull1D
Entries 43
Mean −0.02738
Std Dev 1.032
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


eigen_dit_asym_sam_1357_2468_dd_rms vs run
χ² / ndf 1.034e+04 / 42
p0 30.99 ± 0.03427
40
38
36
34
32
30
28
26
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
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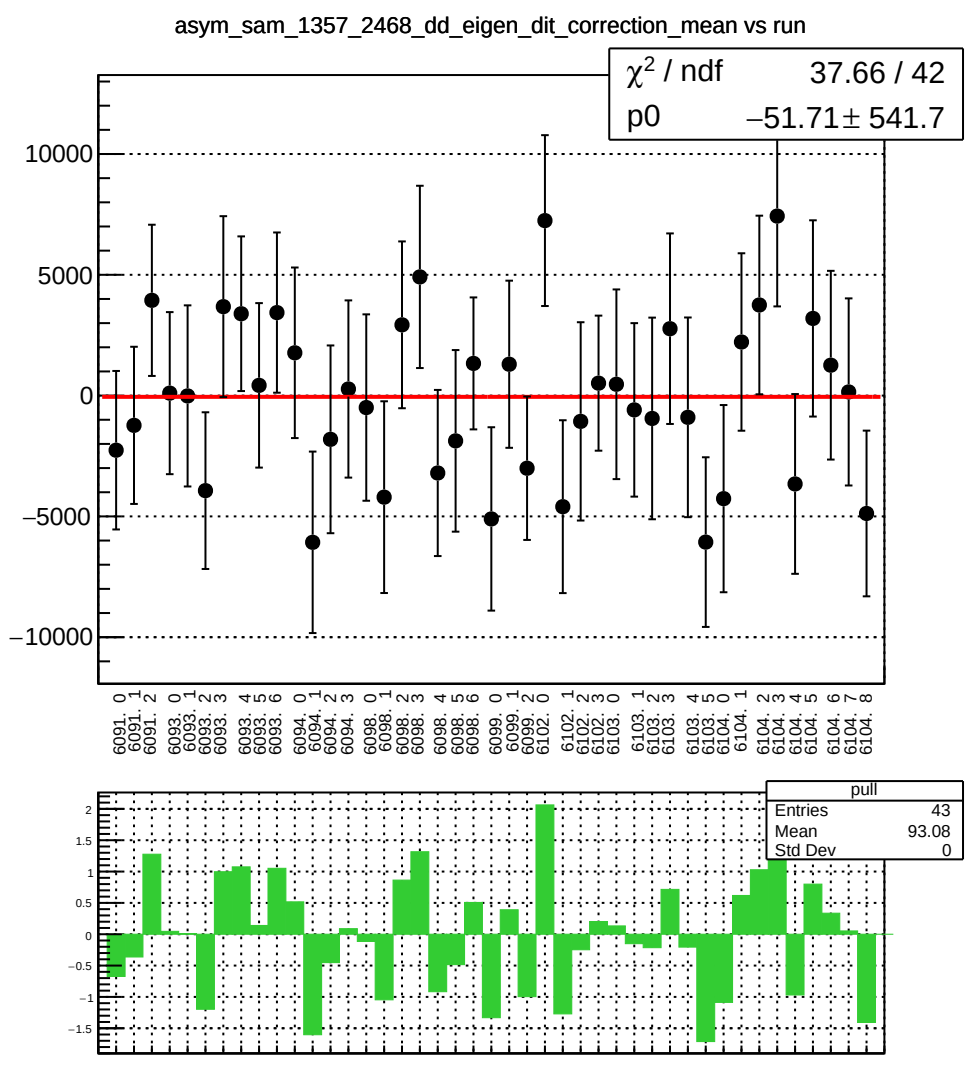
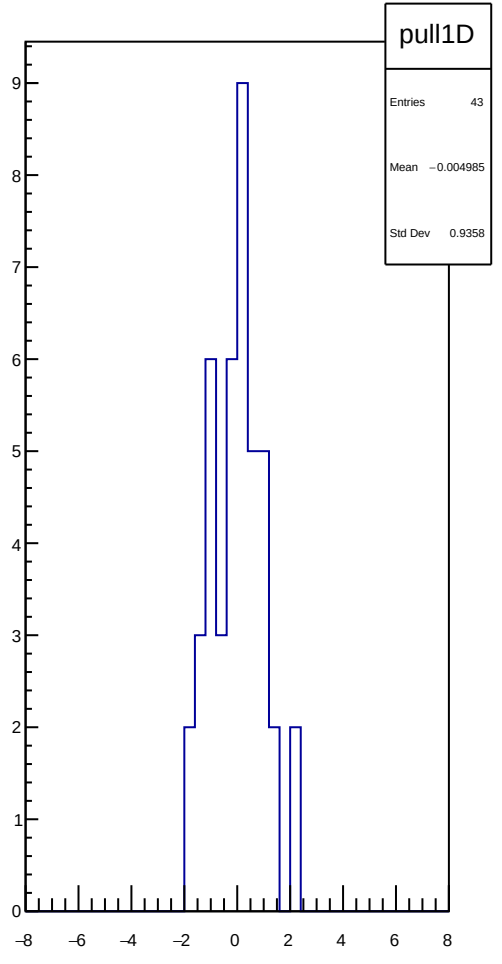
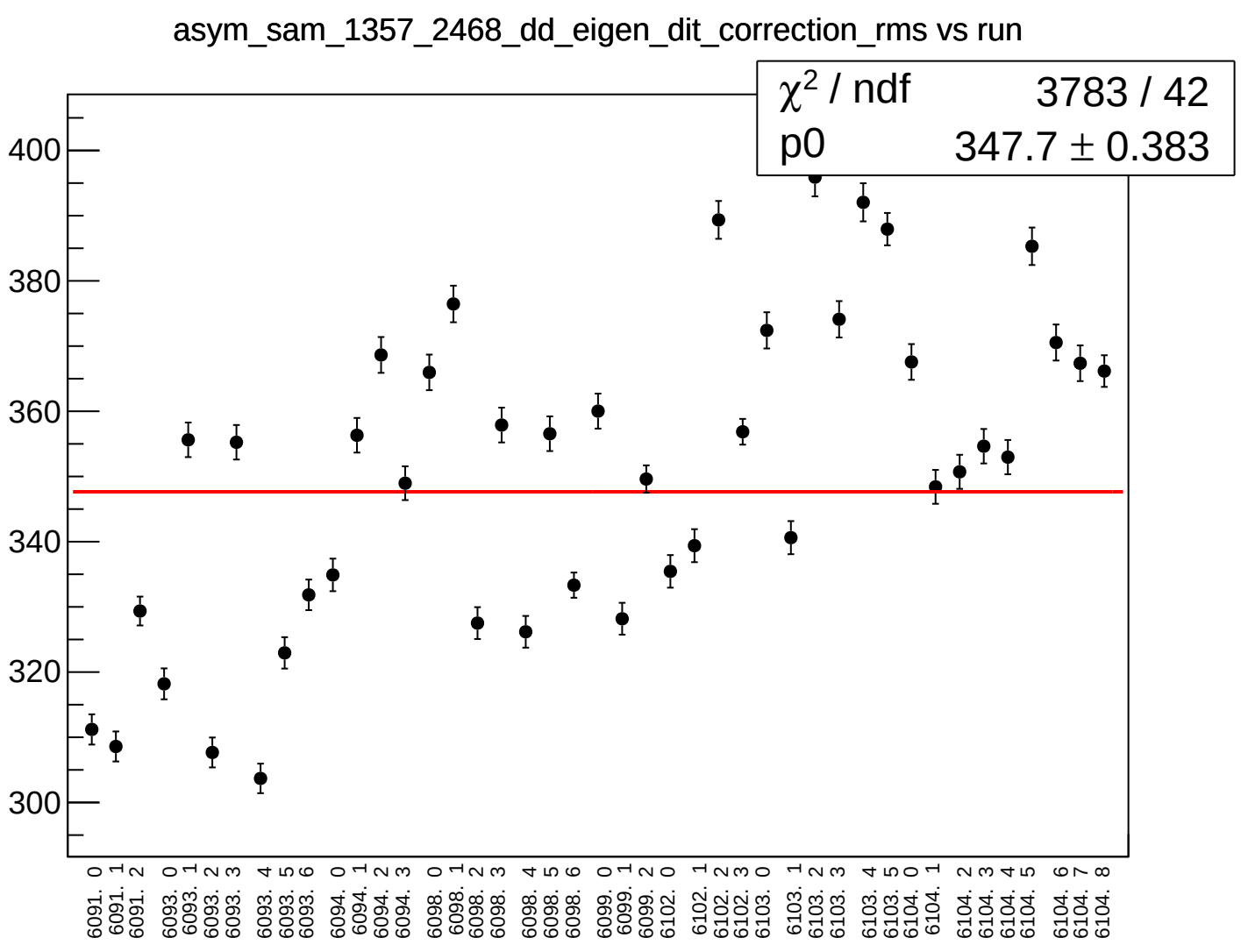
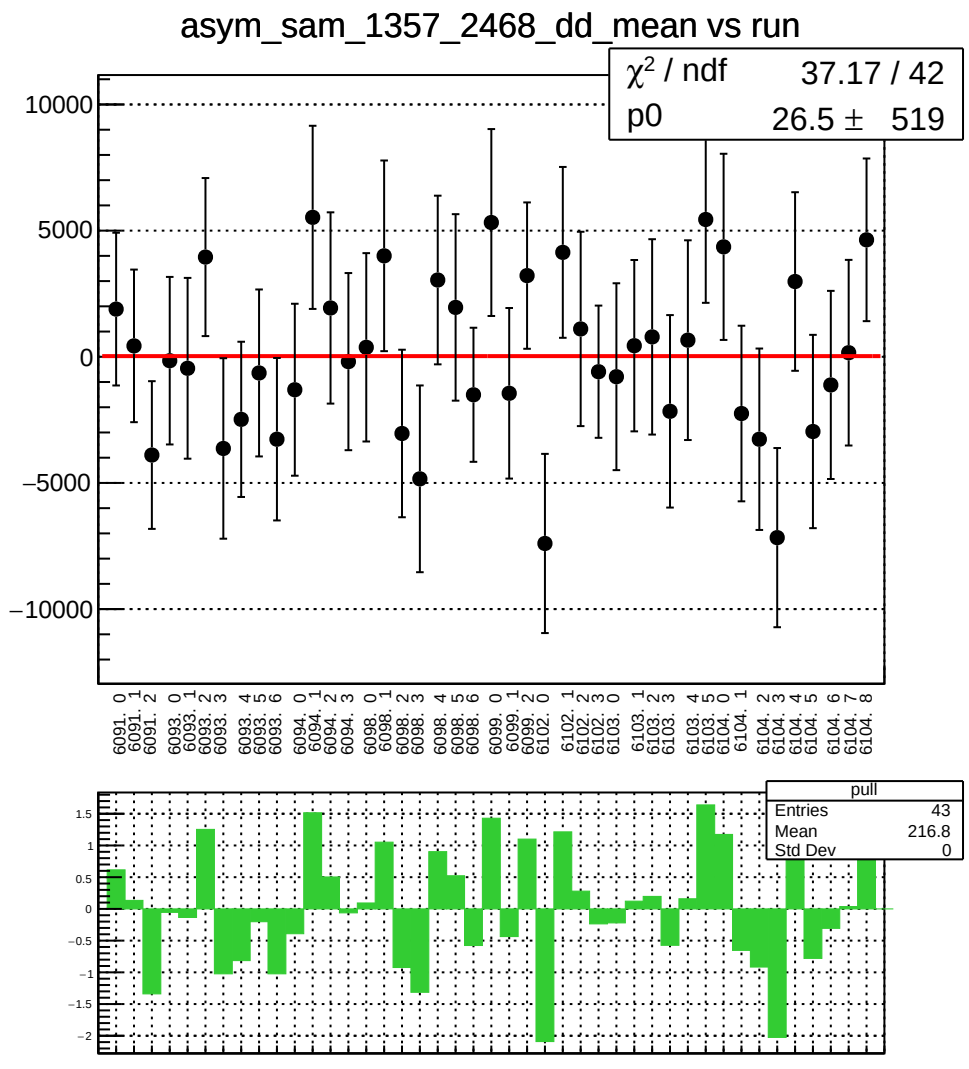
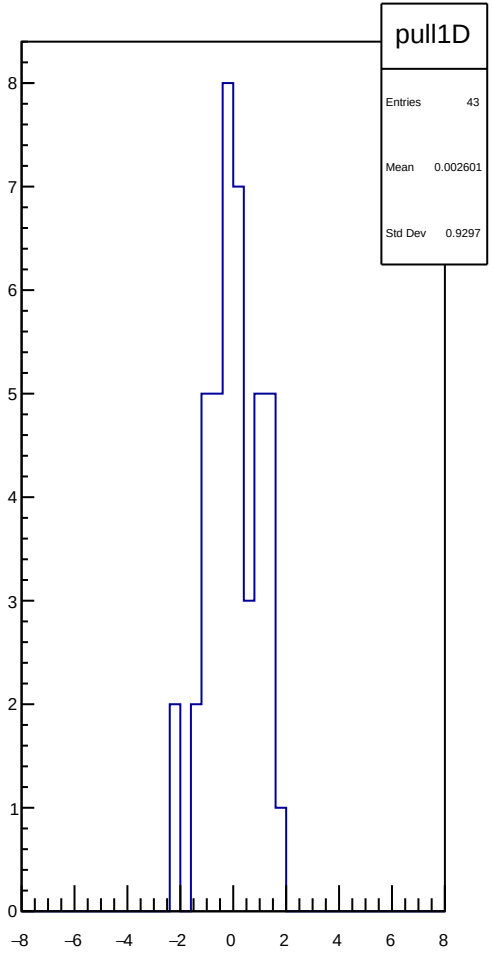
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

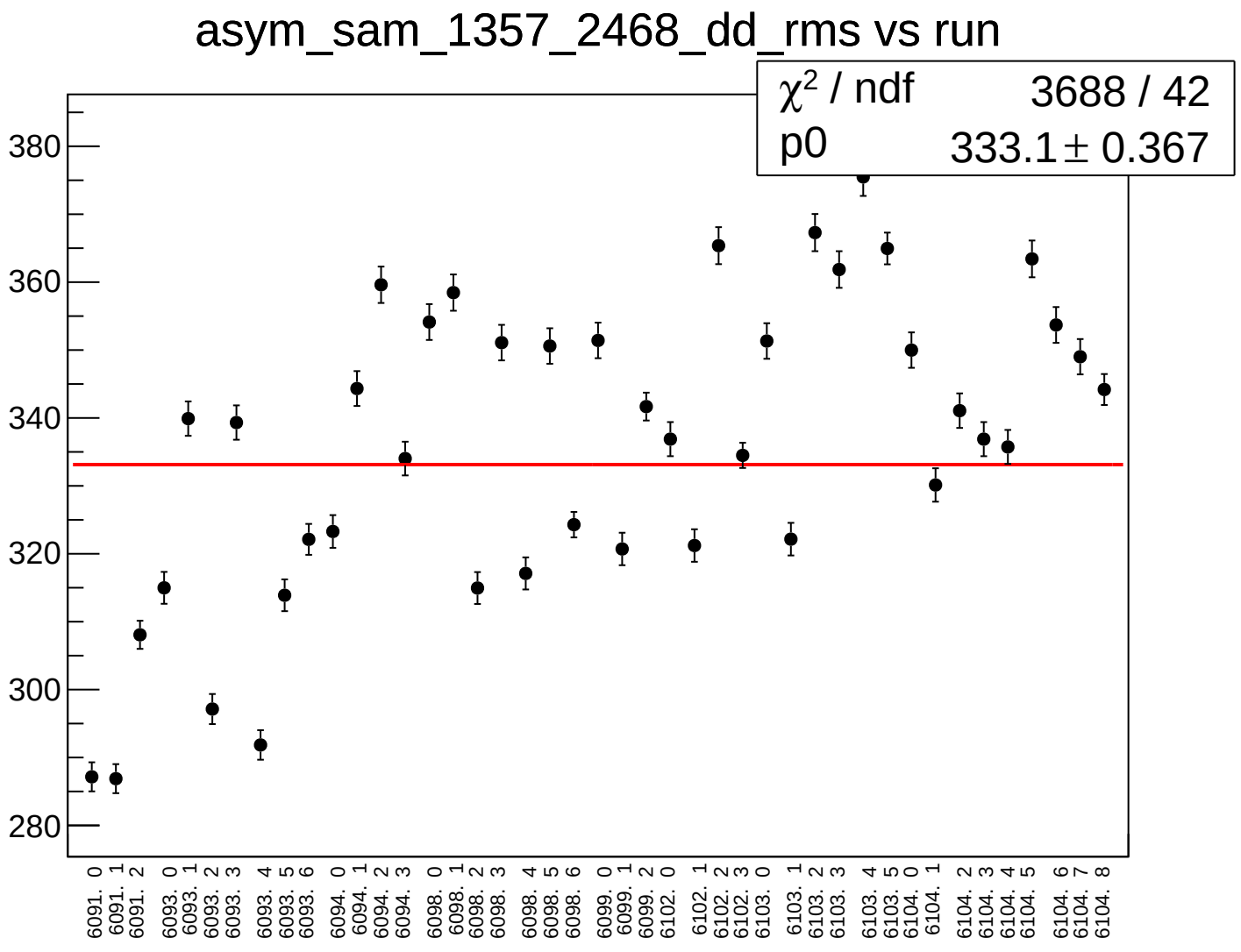

asym_sam_1357_2468_dd_eigen_dit_correction_mean vs run
χ² / ndf 37.66 / 42
p0 −51.71 ± 541.7
10000
5000
0
−5000
−10000
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 93.08
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5

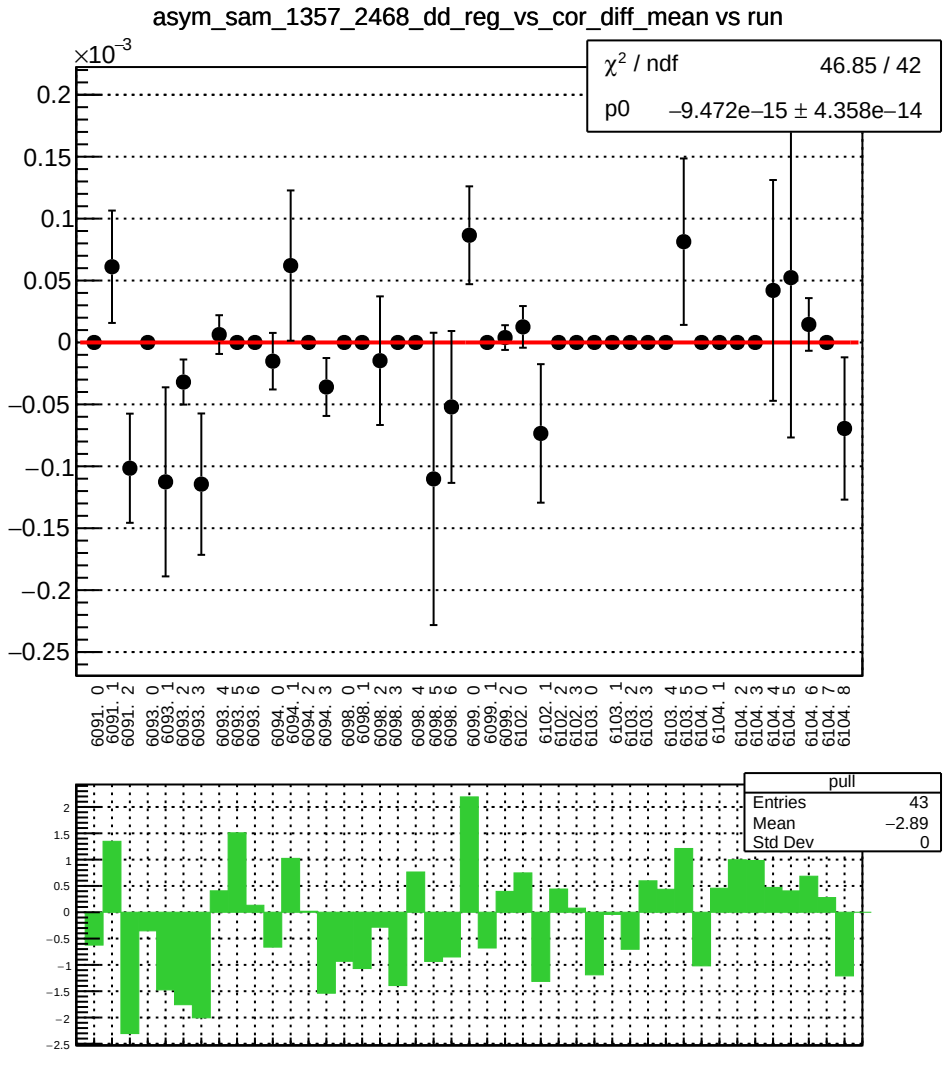

pull1D
Entries 43
Mean −0.004985
Std Dev 0.9358
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

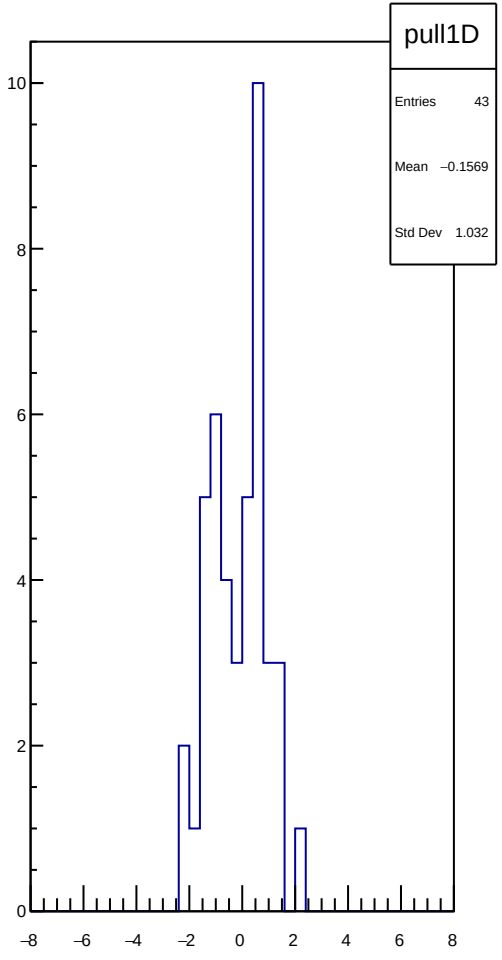

asym_sam_1357_2468_dd_eigen_dit_correction_rms vs run
χ² / ndf 3783 / 42
p0 347.7 ± 0.383
400
380
360
340
320
300
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

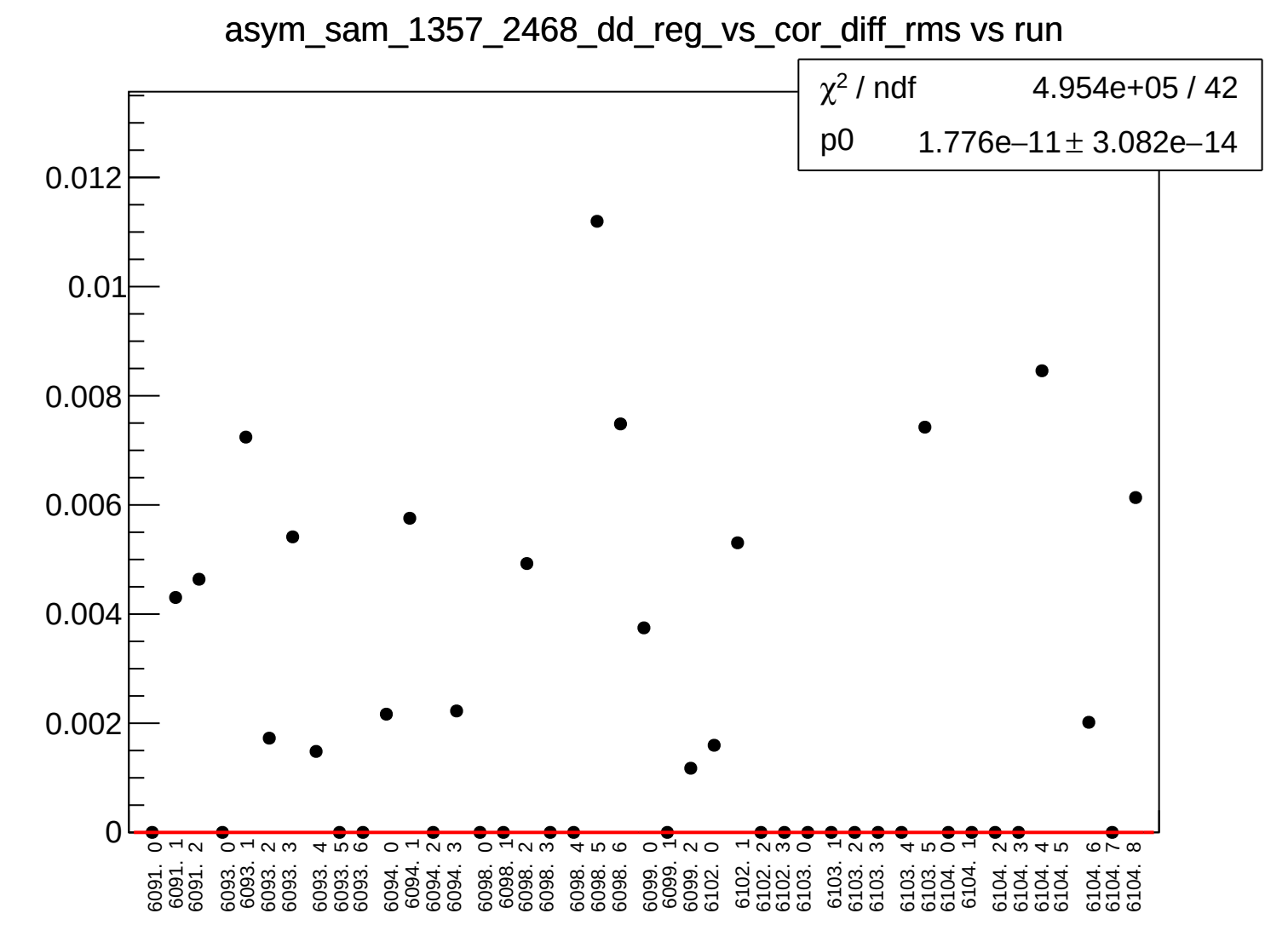

asym_sam_1357_2468_dd_mean vs run
χ² / ndf 37.17 / 42
p0 26.5 ± 519
10000
5000
0
−5000
−10000
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 216.8
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2

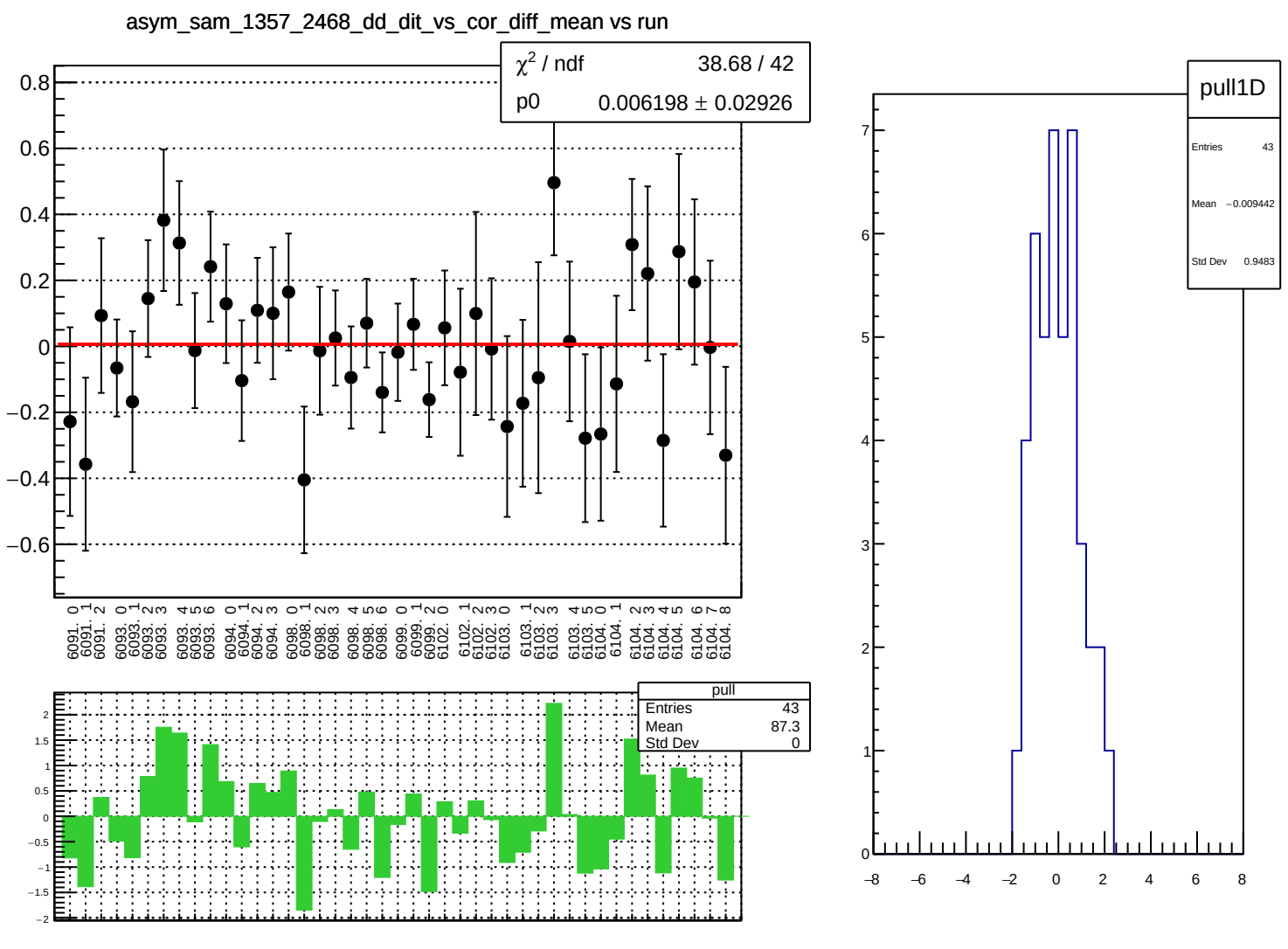

pull1D
Entries 43
Mean 0.002601
Std Dev 0.9297
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

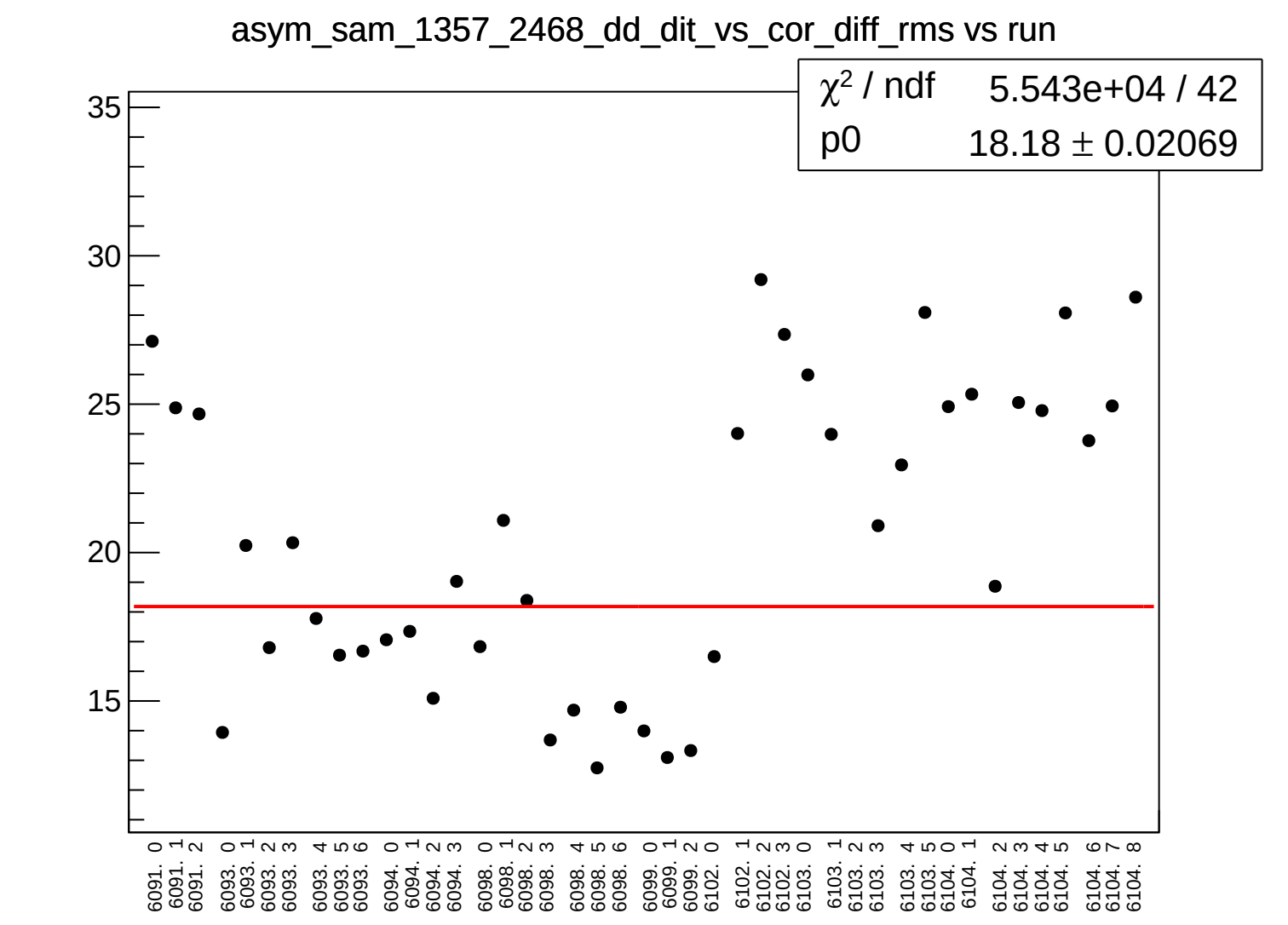

asym_sam_1357_2468_dd_rms vs run
χ² / ndf 3688 / 42
p0 333.1 ± 0.367
380
360
340
320
300
280
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

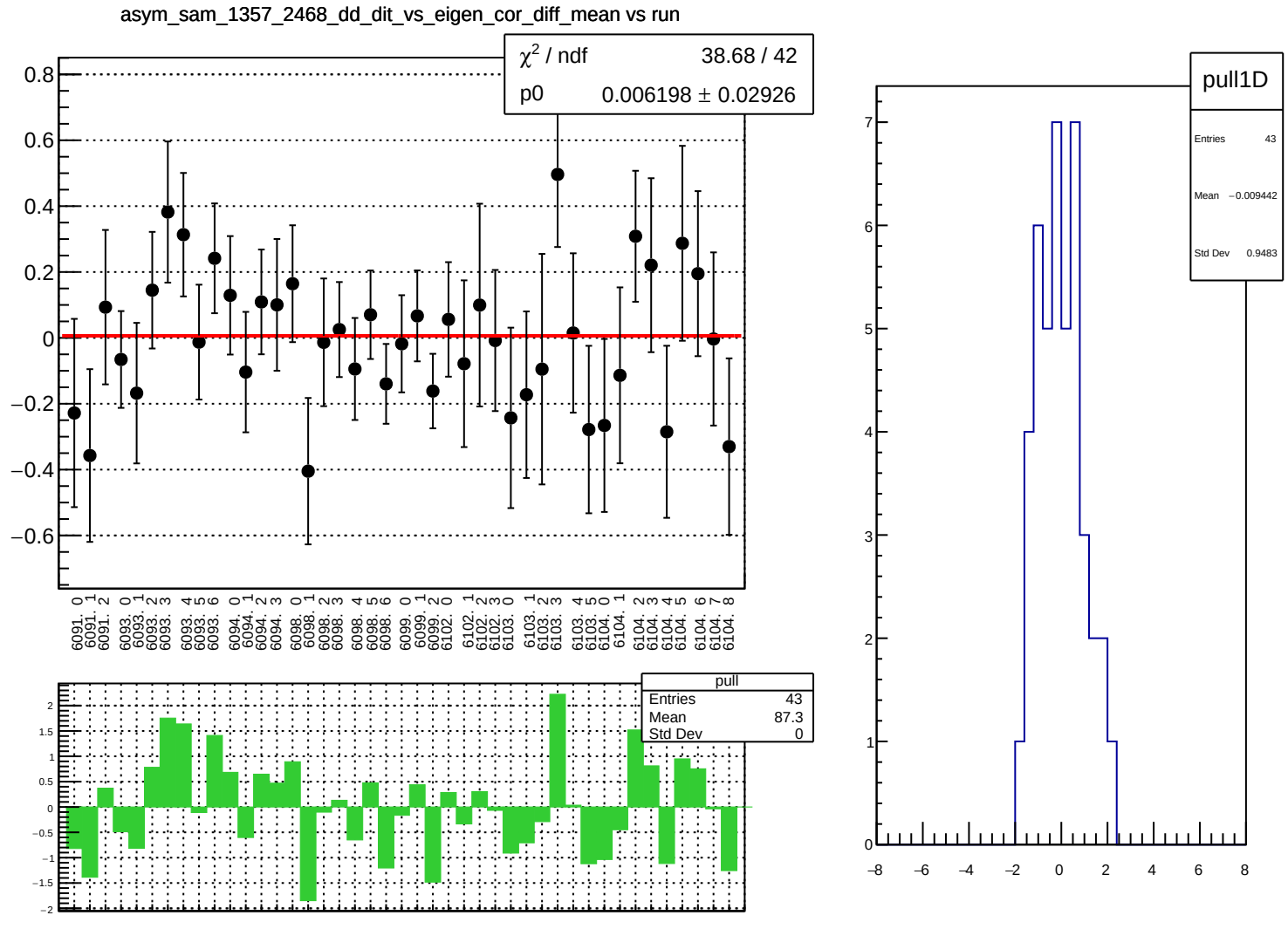

asym_sam_1357_2468_dd_reg_vs_cor_diff_mean vs run
×10⁻³
χ² / ndf 46.85 / 42
p0 −9.472e−15 ± 4.358e−14
pull
Entries 43
Mean −2.89
Std Dev 0

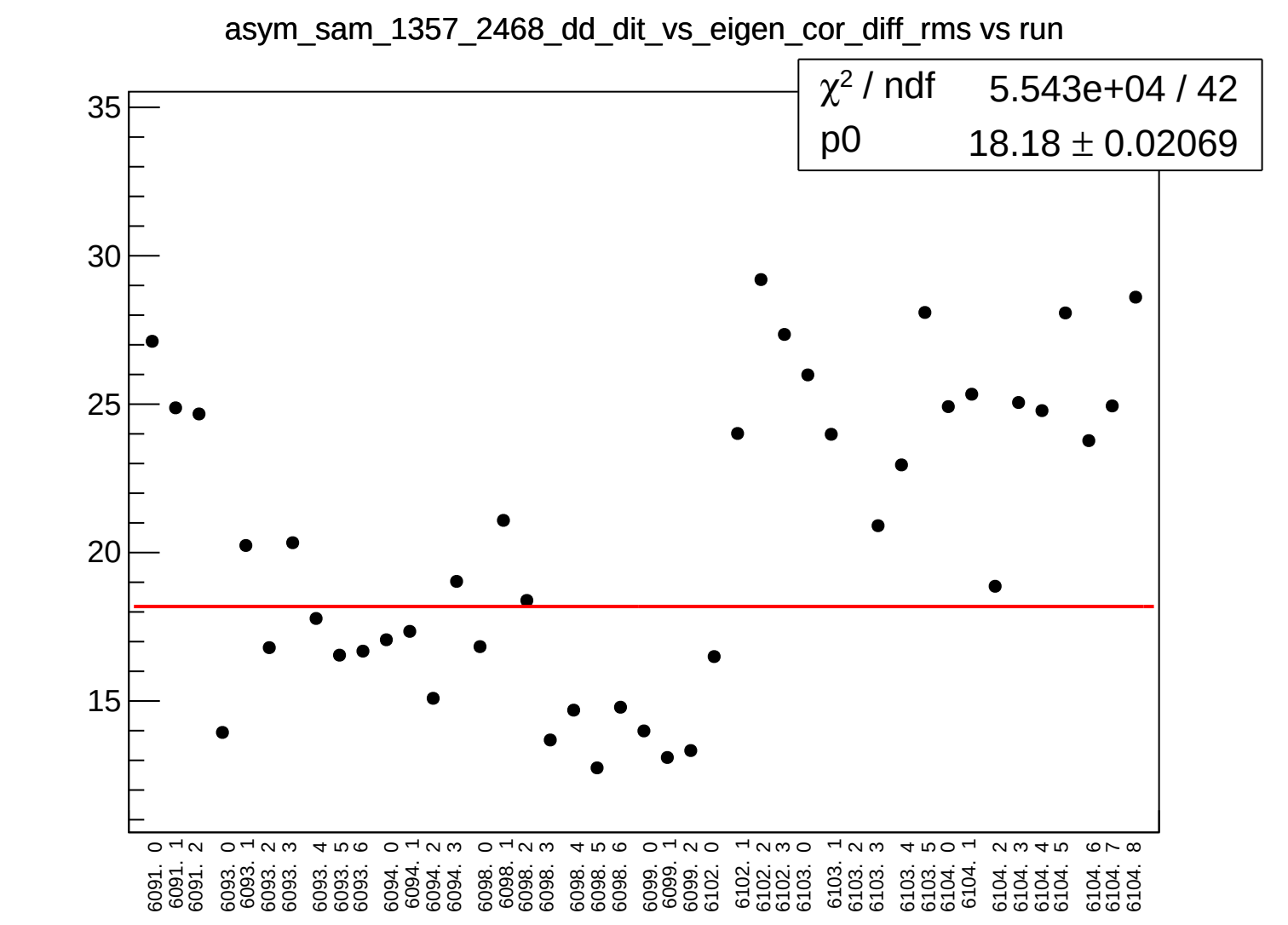

pull1D
Entries 43
Mean −0.1569
Std Dev 1.032

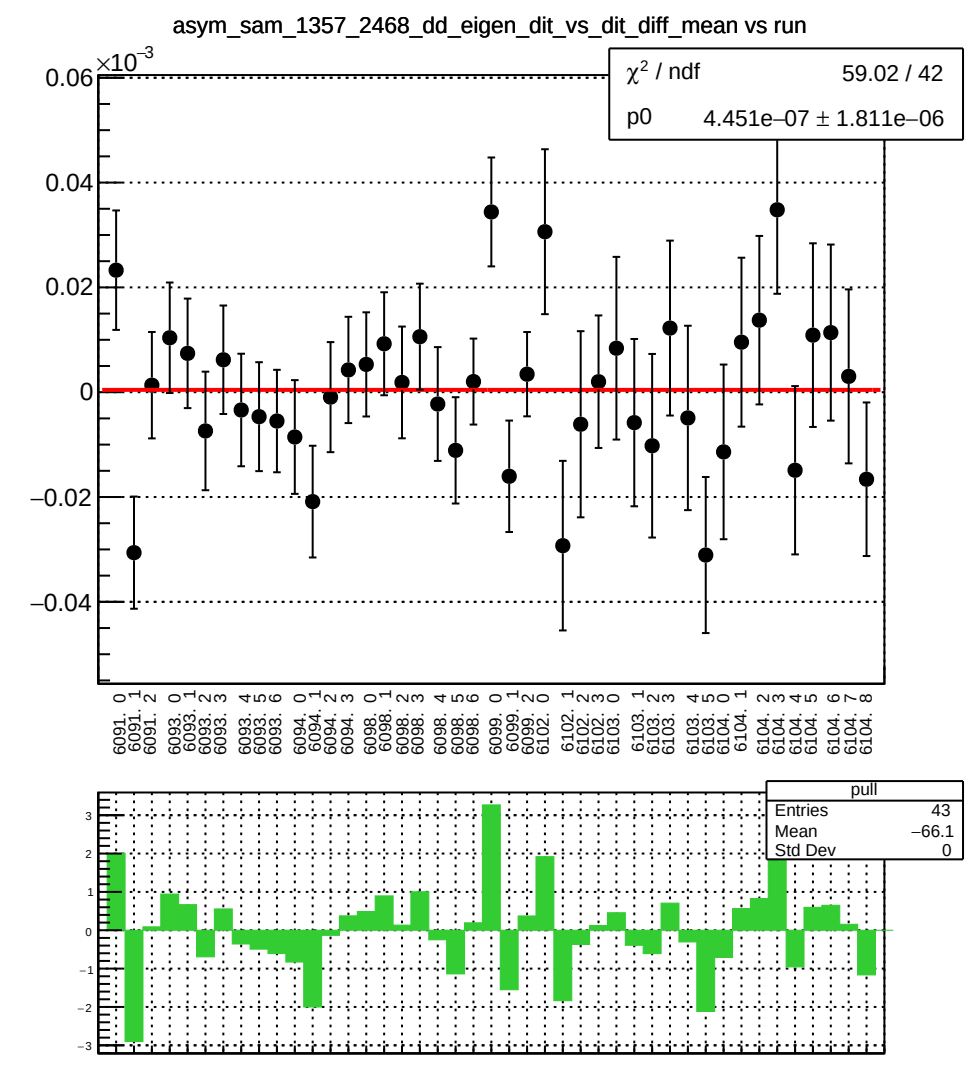

asym_sam_1357_2468_dd_reg_vs_cor_diff_rms vs run
χ² / ndf 4.954e+05 / 42
p0 1.776e−11 ± 3.082e−14
0.012
0.01
0.008
0.006
0.004
0.002
0
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

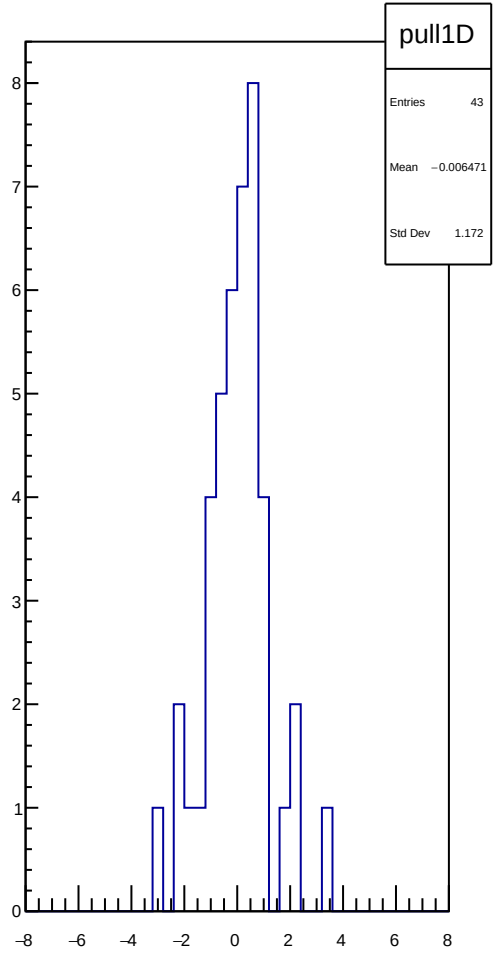

asym_sam_1357_2468_dd_dit_vs_cor_diff_mean vs run
χ² / ndf 38.68 / 42
p0 0.006198 ± 0.02926
pull
Entries 43
Mean 87.3
Std Dev 0
pull1D
Entries 43
Mean −0.009442
Std Dev 0.9483

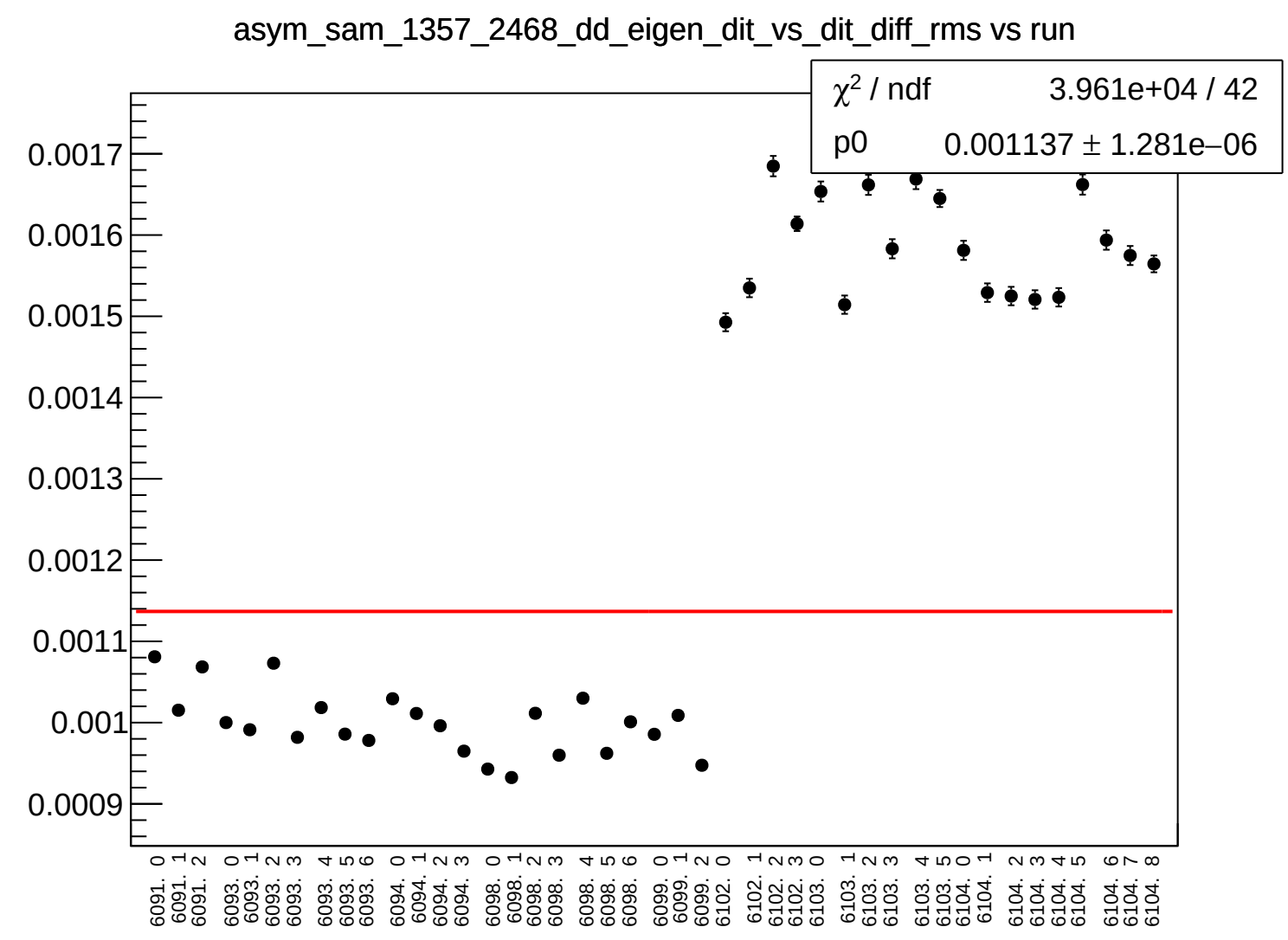

asym_sam_1357_2468_dd_dit_vs_cor_diff_rms vs run
χ² / ndf 5.543e+04 / 42
p0 18.18 ± 0.02069
35
30
25
20
15
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

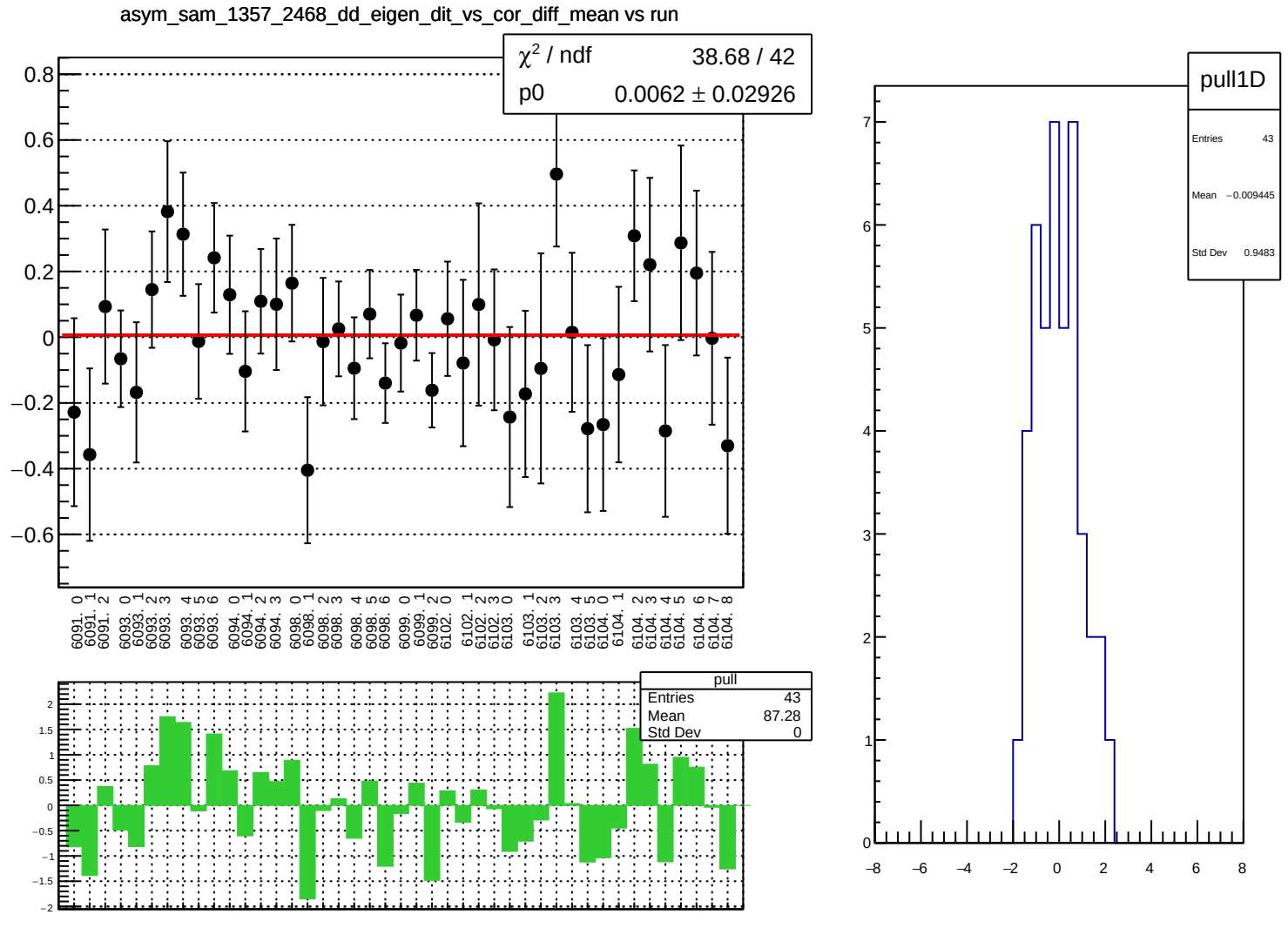

asym_sam_1357_2468_dd_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 38.68 / 42
p0 0.006198 ± 0.02926
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 87.3
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 43
Mean −0.009442
Std Dev 0.9483
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

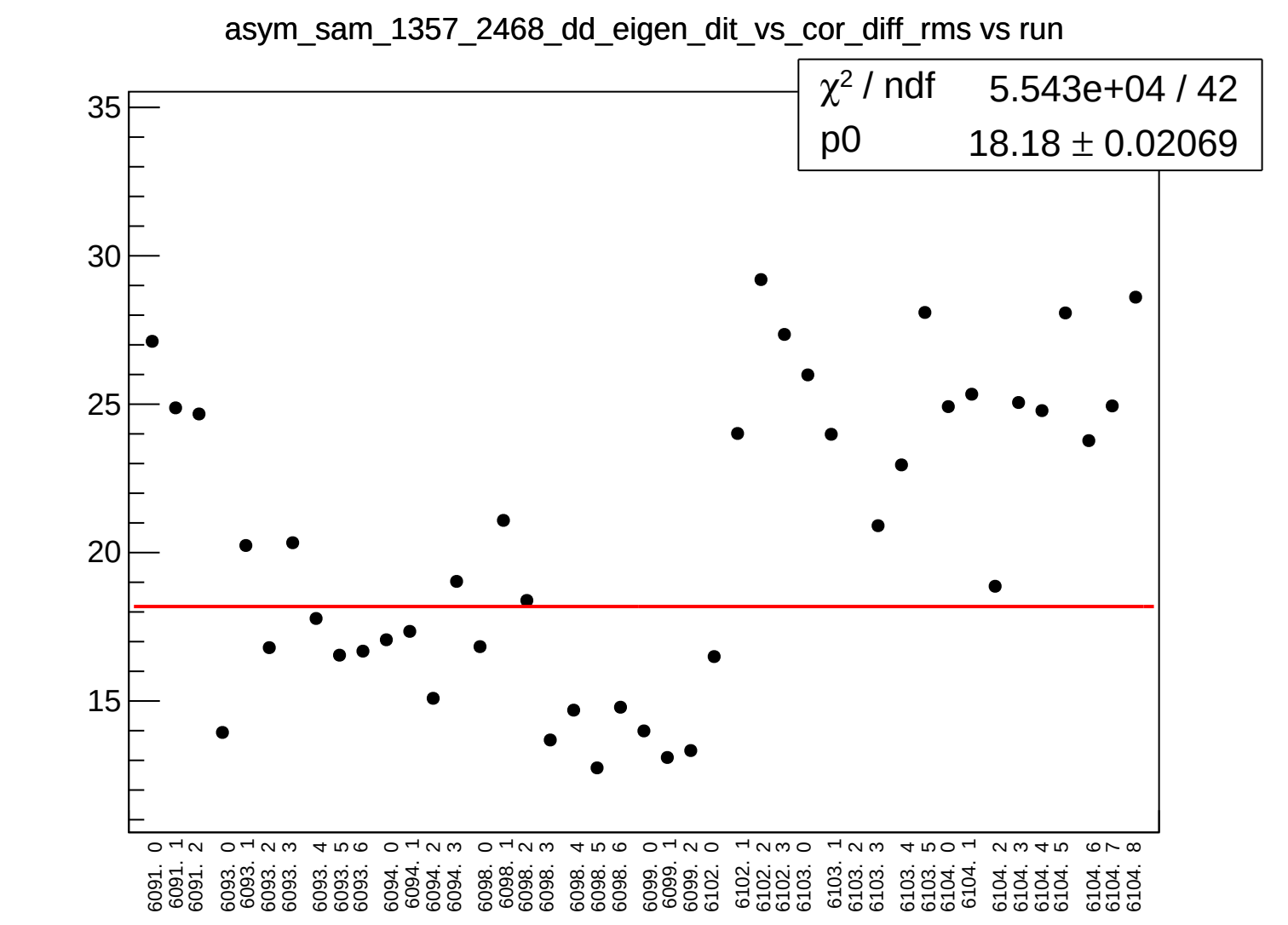

asym_sam_1357_2468_dd_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 5.543e+04 / 42
p0 18.18 ± 0.02069
35
30
25
20
15
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

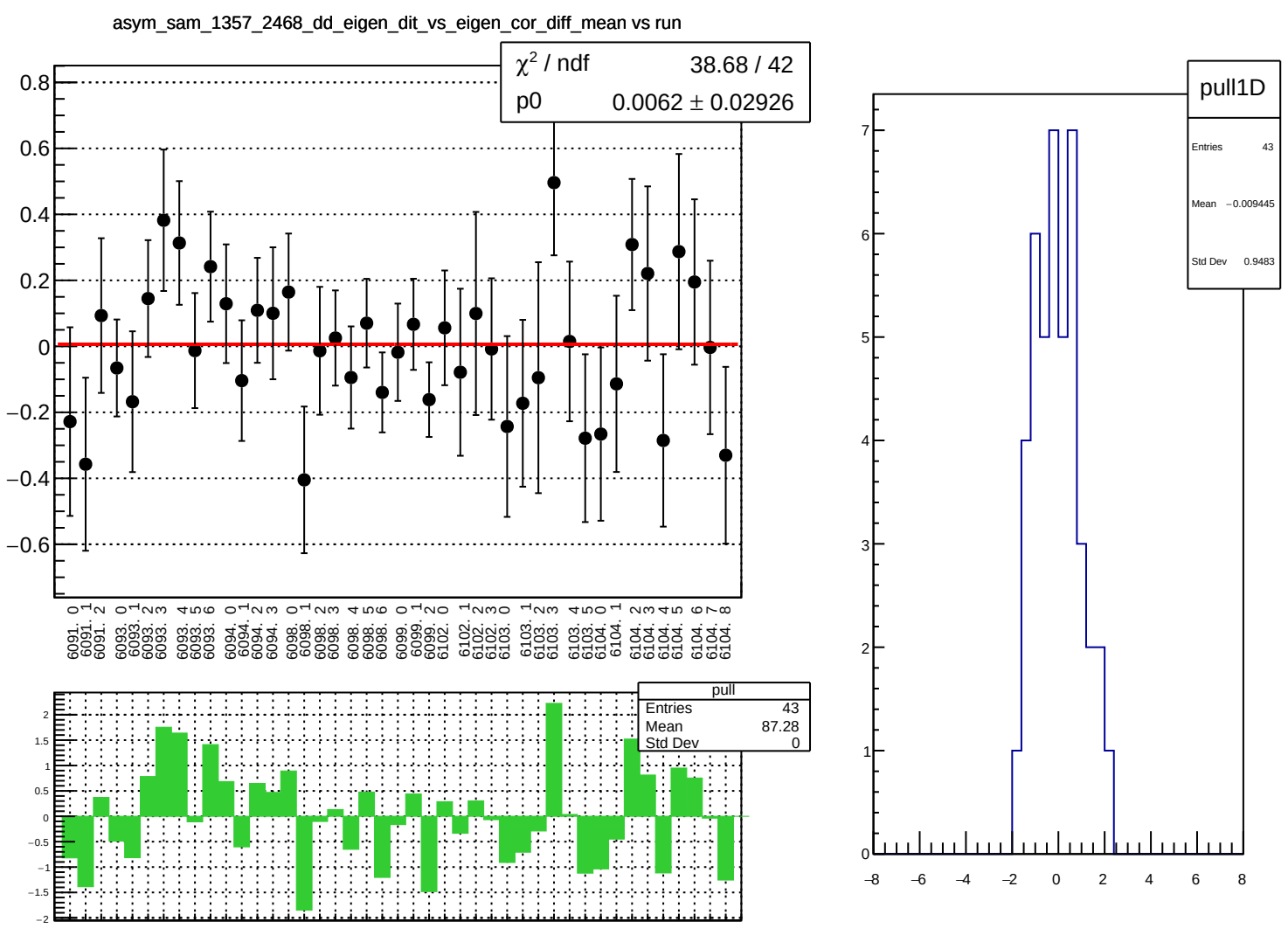

asym_sam_1357_2468_dd_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 59.02 / 42
p0 4.451e−07 ± 1.811e−06
pull
Entries 43
Mean −66.1
Std Dev 0

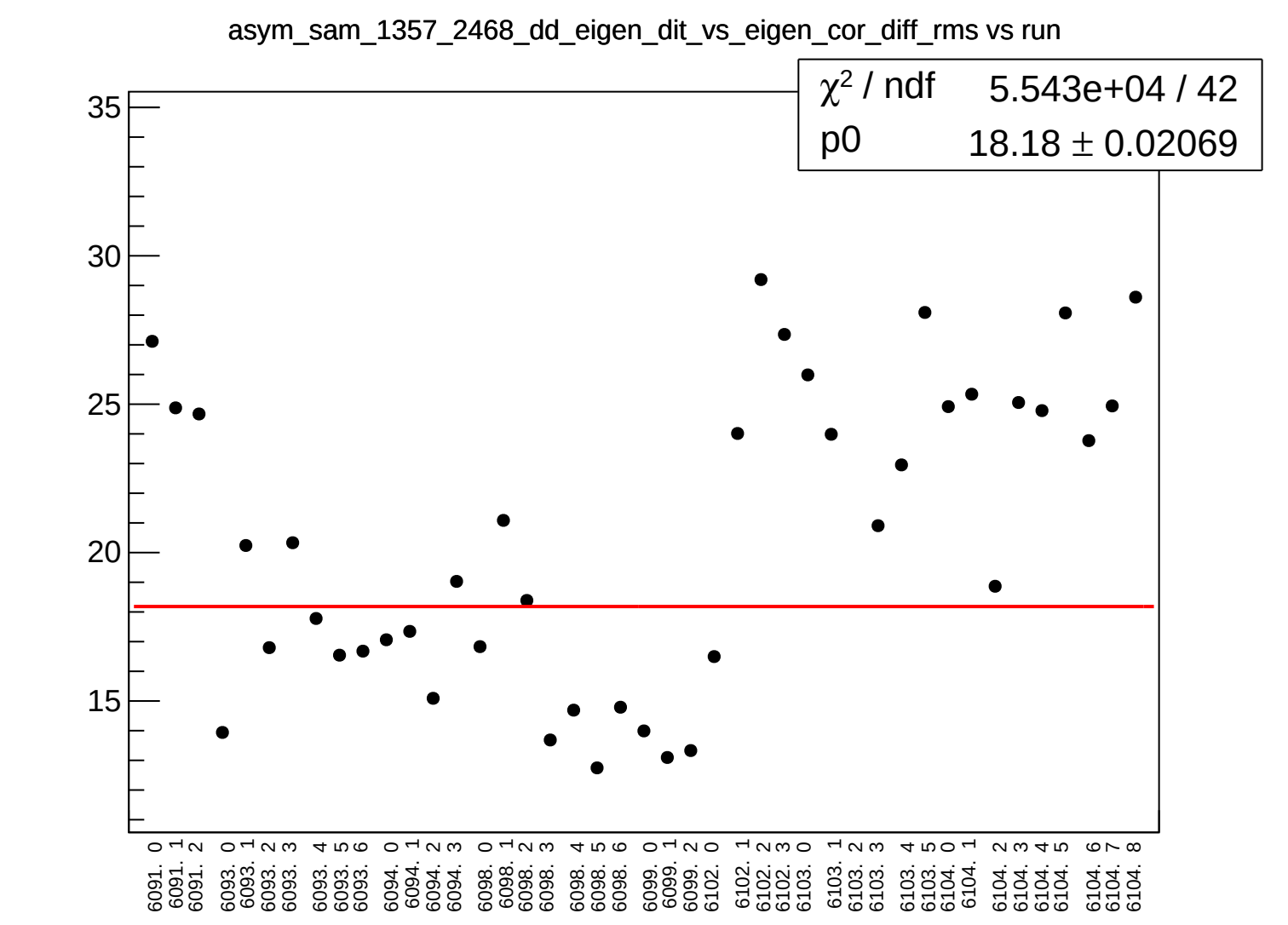

pull1D
Entries 43
Mean −0.006471
Std Dev 1.172

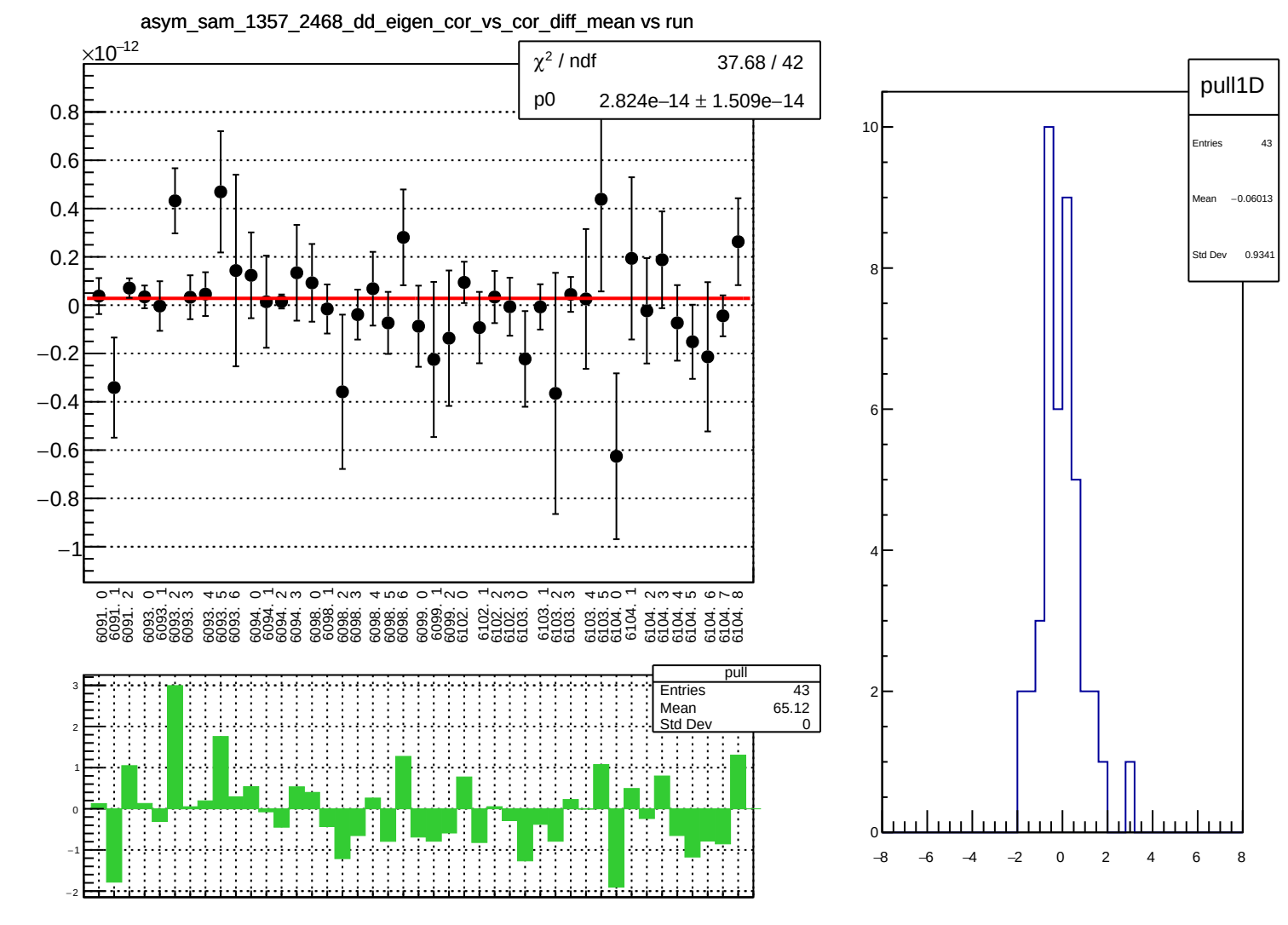

asym_sam_1357_2468_dd_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 3.961e+04 / 42
p0 0.001137 ± 1.281e−06
0.0017
0.0016
0.0015
0.0014
0.0013
0.0012
0.0011
0.001
0.0009
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

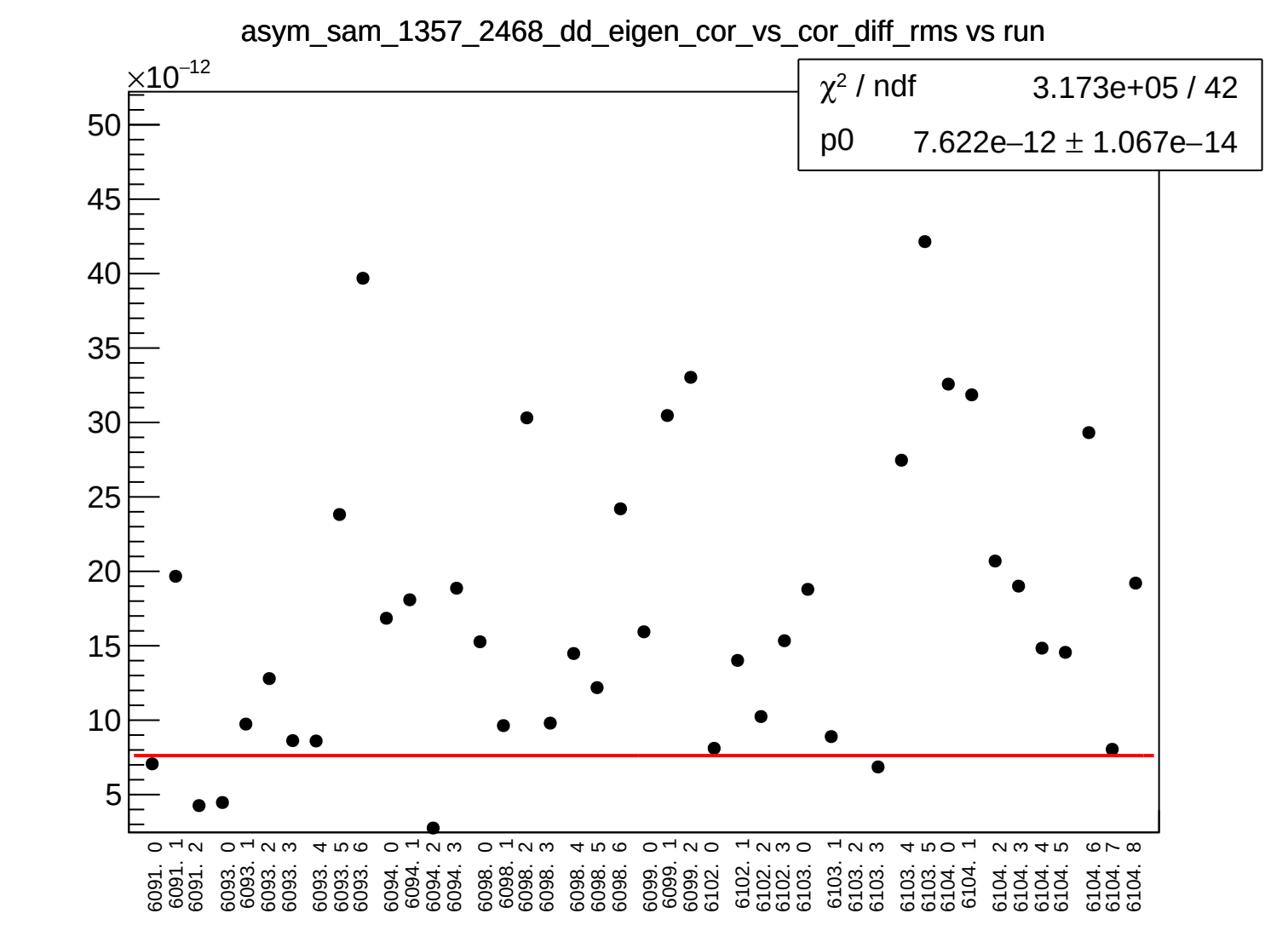

asym_sam_1357_2468_dd_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 38.68 / 42
p0 0.0062 ± 0.02926
pull
Entries 43
Mean 87.28
Std Dev 0
pull1D
Entries 43
Mean −0.009445
Std Dev 0.9483

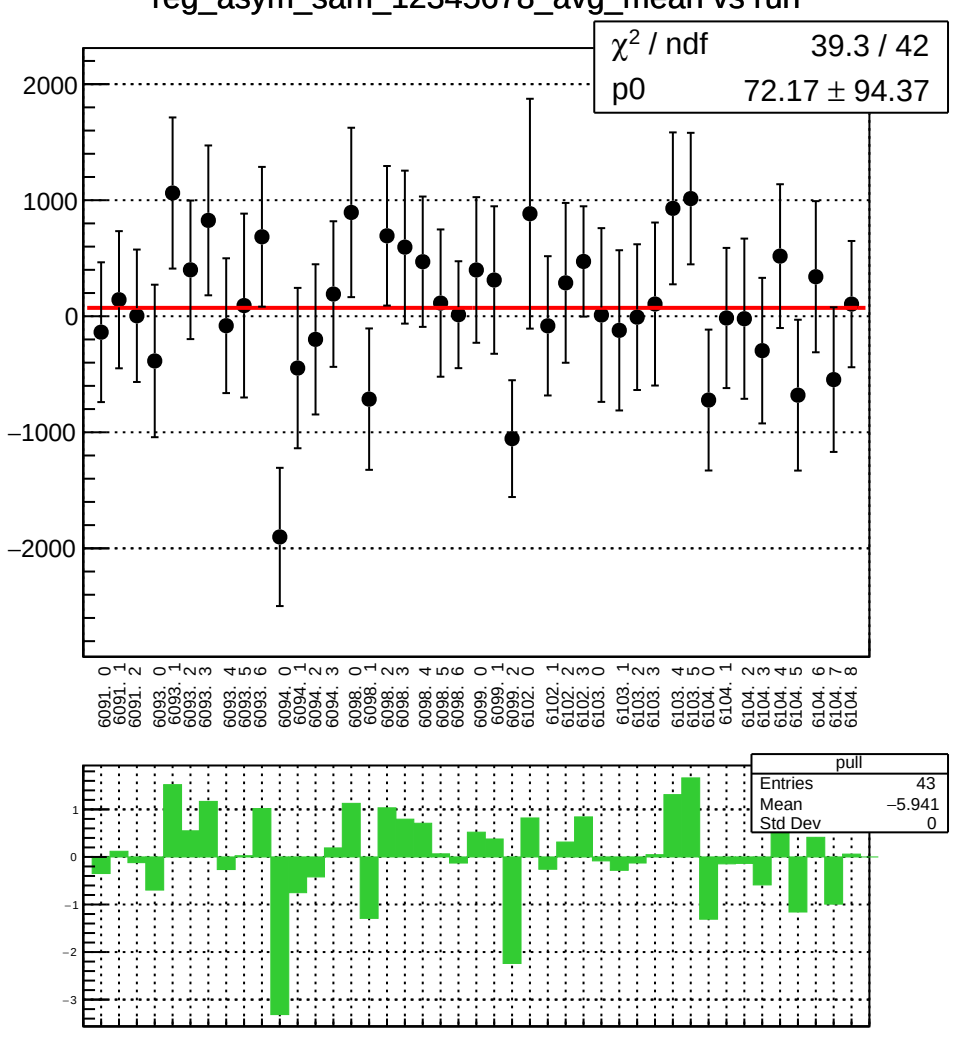

asym_sam_1357_2468_dd_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 5.543e+04 / 42
p0 18.18 ± 0.02069
35
30
25
20
15
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

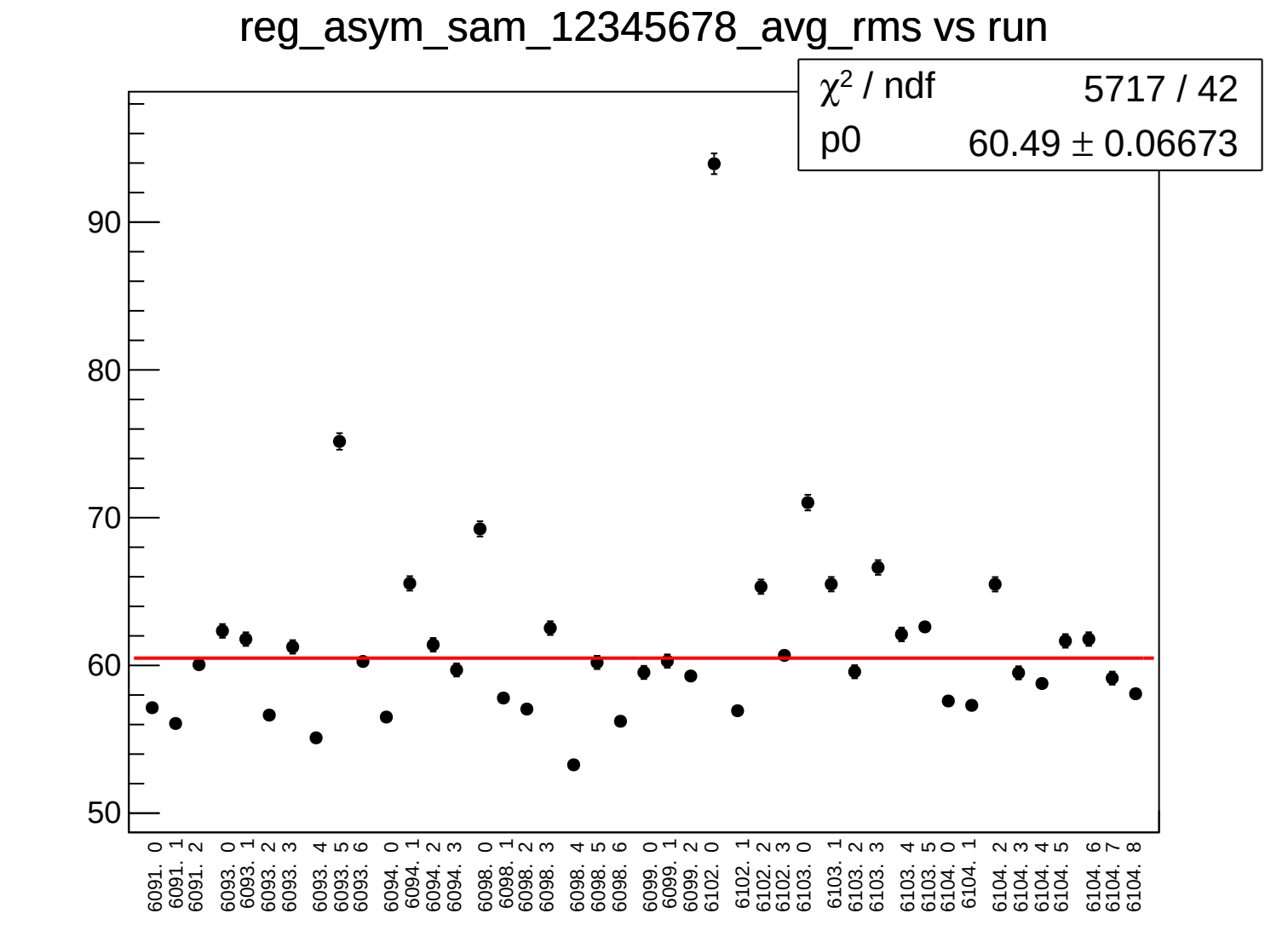

asym_sam_1357_2468_dd_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 38.68 / 42
p0 0.0062 ± 0.02926
pull
Entries 43
Mean 87.28
Std Dev 0
pull1D
Entries 43
Mean −0.009445
Std Dev 0.9483


asym_sam_1357_2468_dd_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 5.543e+04 / 42
p0 18.18 ± 0.02069
35
30
25
20
15
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8


asym_sam_1357_2468_dd_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 37.68 / 42
p0 2.824e−14 ± 1.509e−14
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
−1
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 65.12
Std Dev 0
3
2
1
0
−1
−2
pull1D
Entries 43
Mean −0.06013
Std Dev 0.9341
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


asym_sam_1357_2468_dd_eigen_cor_vs_cor_diff_rms vs run
×10⁻¹²
χ² / ndf 3.173e+05 / 42
p0 7.622e−12 ± 1.067e−14
50
45
40
35
30
25
20
15
10
5
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8


reg_asym_sam_12345678_avg_mean vs run
χ² / ndf 39.3 / 42
p0 72.17 ± 94.37
2000
1000
0
−1000
−2000
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean −5.941
Std Dev 0
1
0
−1
−2
−3
pull1D
Entries 43
Mean 0.01749
Std Dev 0.9558
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


reg_asym_sam_12345678_avg_rms vs run
χ² / ndf 5717 / 42
p0 60.49 ± 0.06673
90
80
70
60
50
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
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6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
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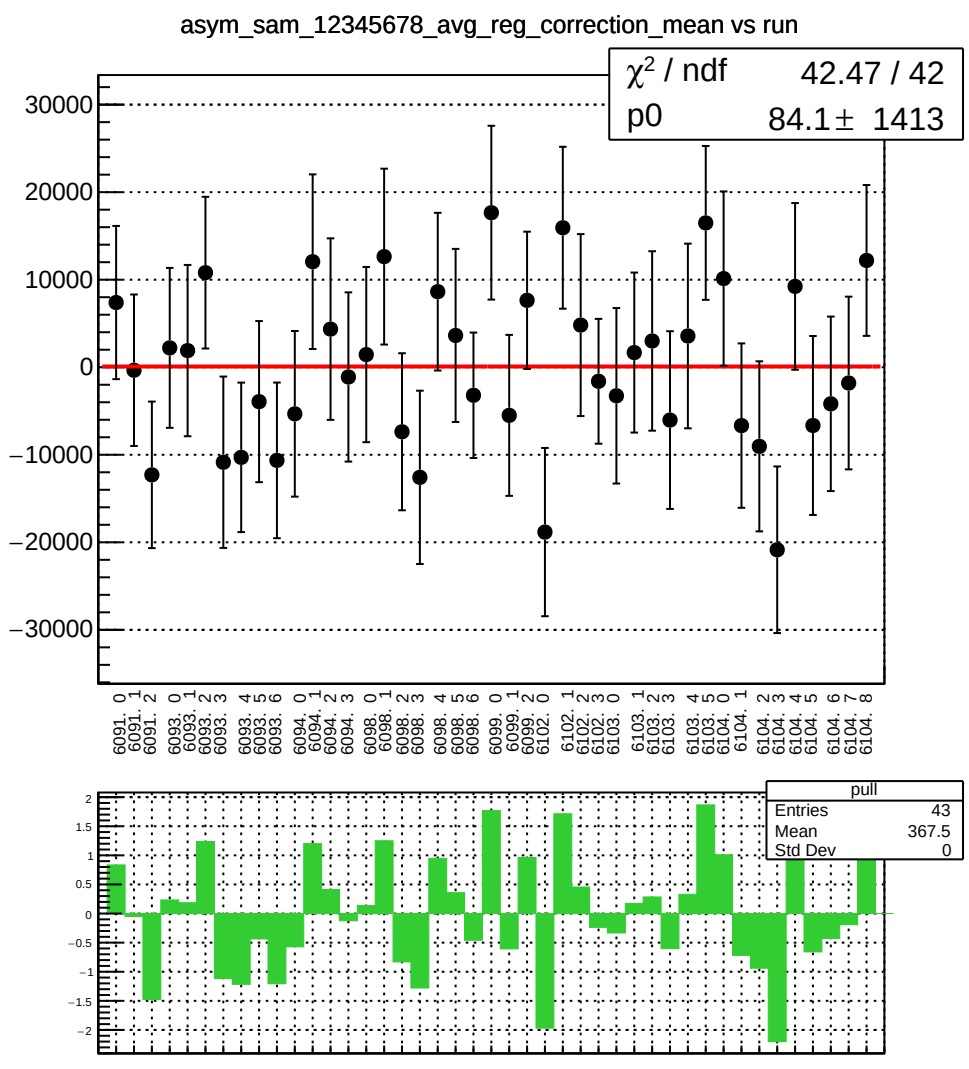
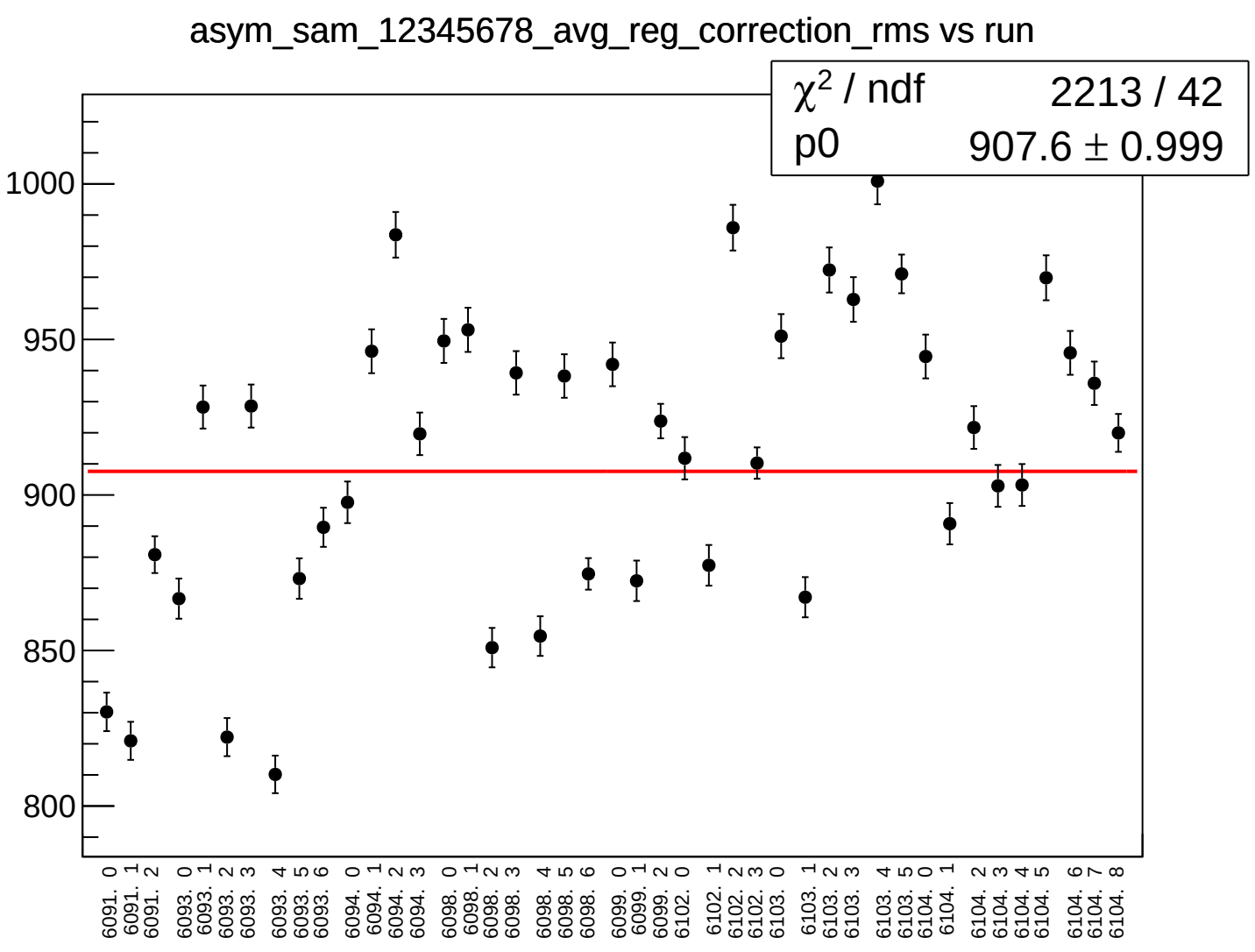
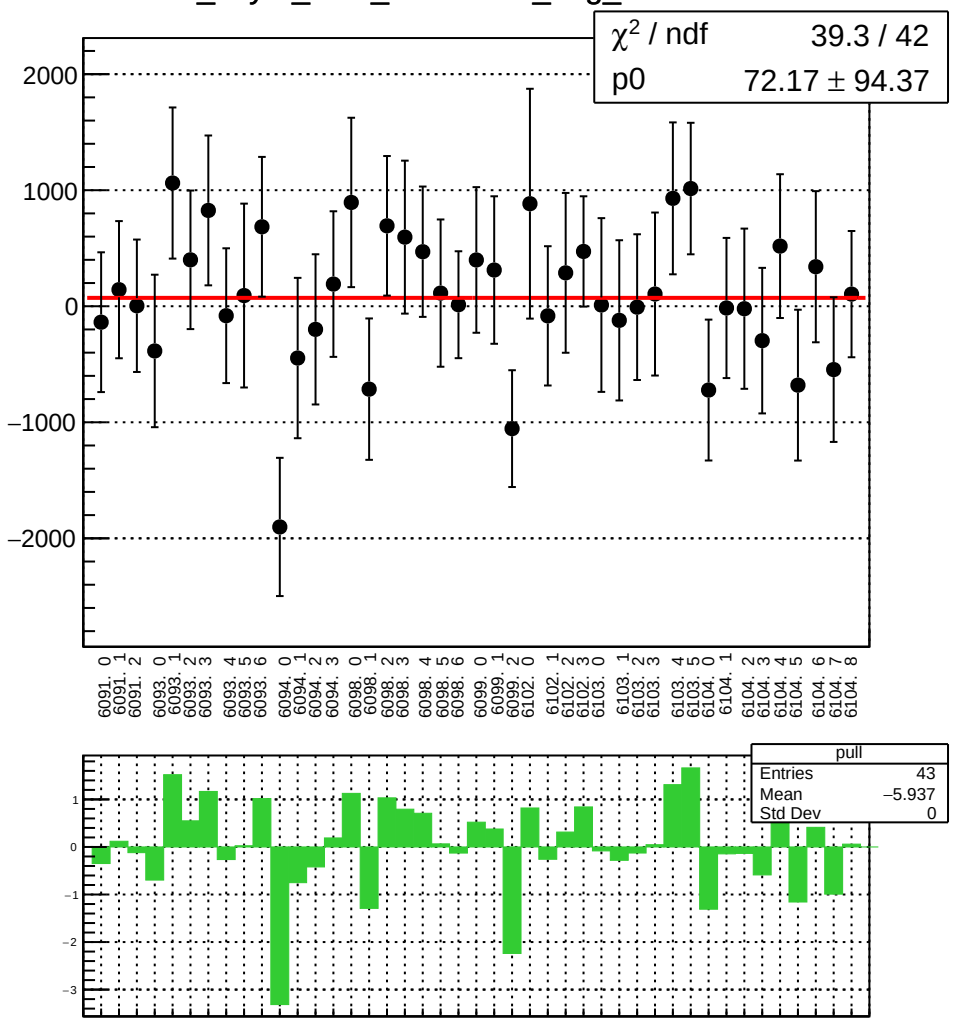
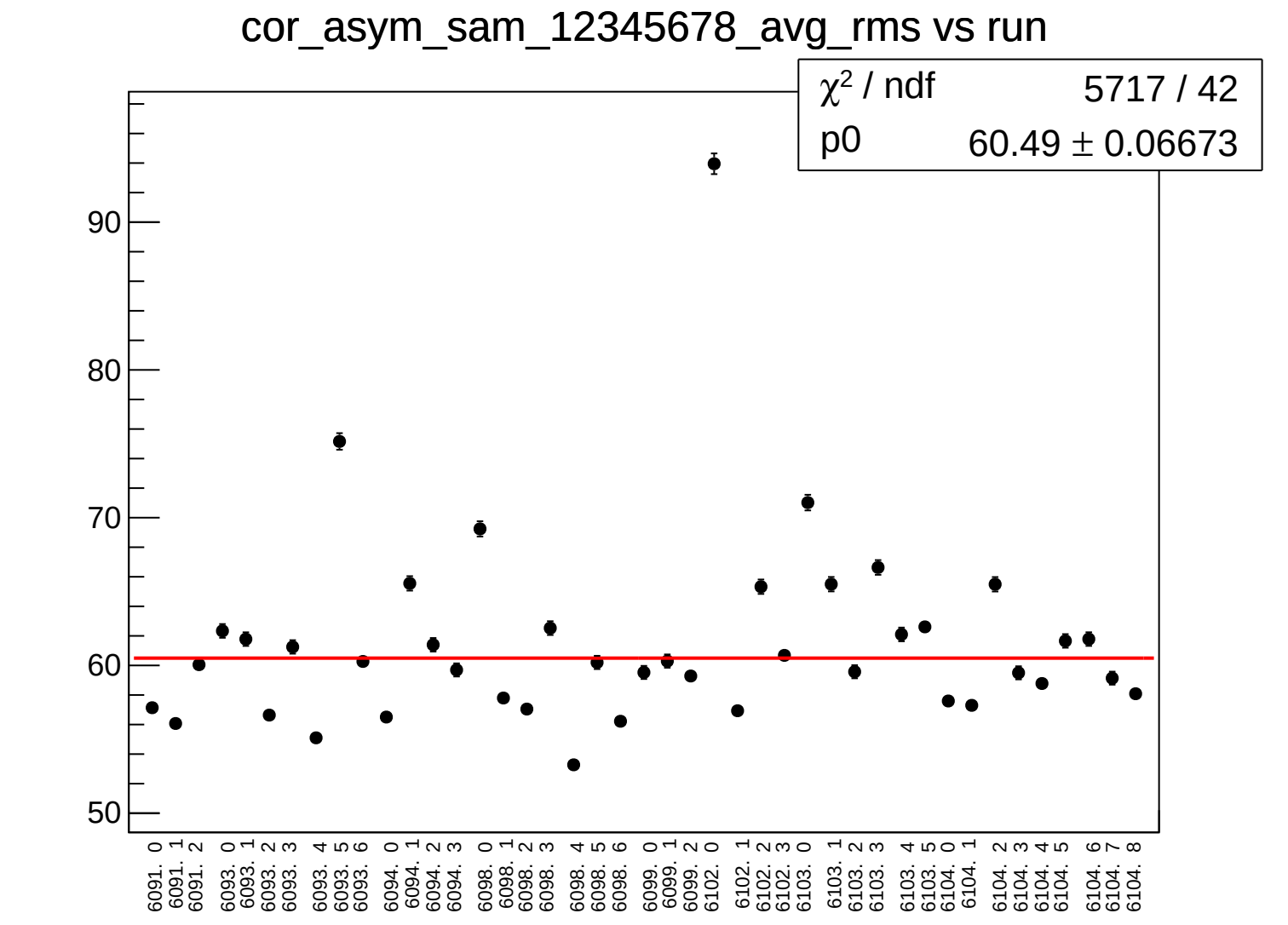
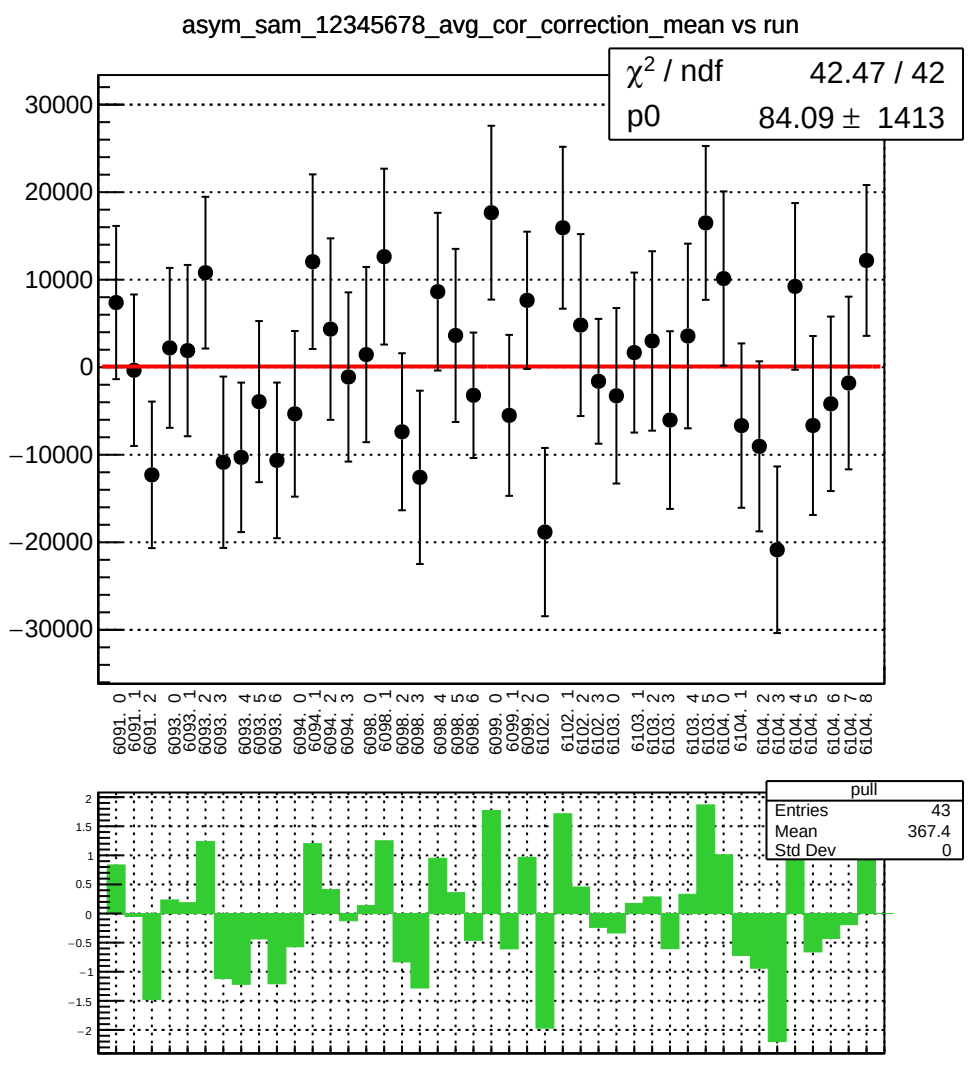
6104. 6
6104. 7
6104. 8


asym_sam_12345678_avg_reg_correction_mean vs run
χ² / ndf 42.47 / 42
p0 84.1± 1413
30000
20000
10000
0
−10000
−20000
−30000
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 367.5
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 43
Mean 0.001895
Std Dev 0.9938
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


asym_sam_12345678_avg_reg_correction_rms vs run
χ² / ndf 2213 / 42
p0 907.6 ± 0.999
1000
950
900
850
800
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8


cor_asym_sam_12345678_avg_mean vs run
χ² / ndf 39.3 / 42
p0 72.17 ± 94.37
2000
1000
0
−1000
−2000
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean −5.937
Std Dev 0
1
0
−1
−2
−3
pull1D
Entries 43
Mean 0.01749
Std Dev 0.9558
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


cor_asym_sam_12345678_avg_rms vs run
χ² / ndf 5717 / 42
p0 60.49 ± 0.06673
90
80
70
60
50
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8


asym_sam_12345678_avg_cor_correction_mean vs run
χ² / ndf 42.47 / 42
p0 84.09 ± 1413
30000
20000
10000
0
−10000
−20000
−30000
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
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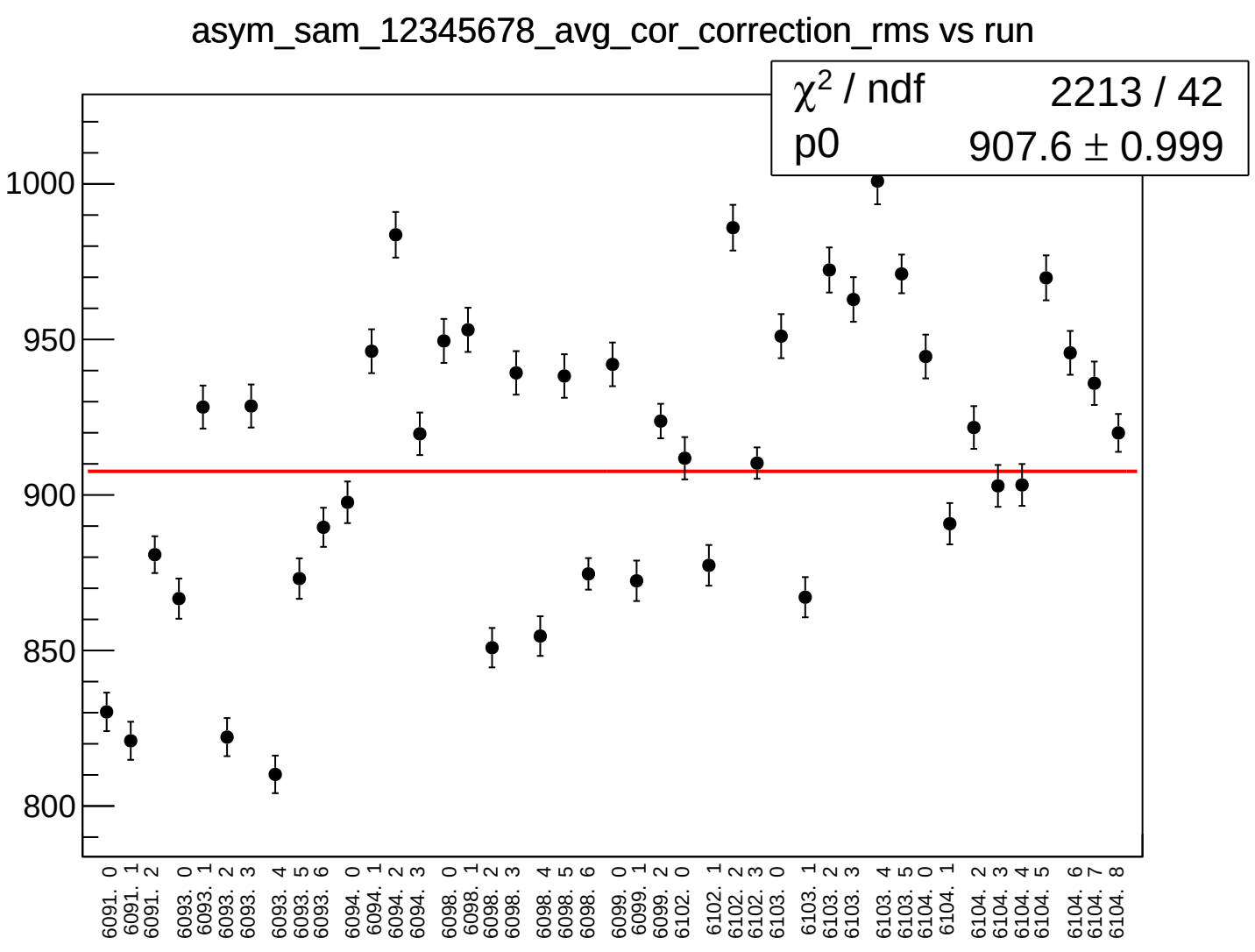
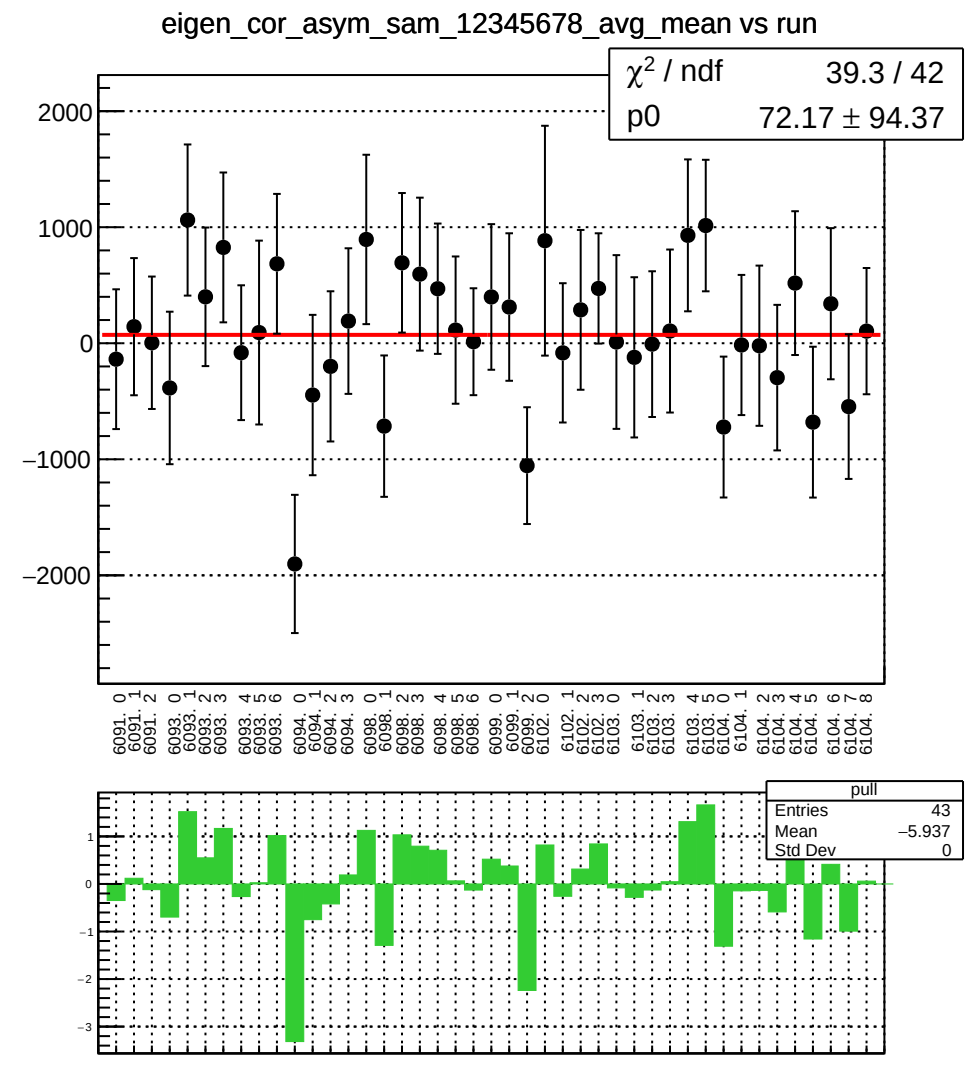
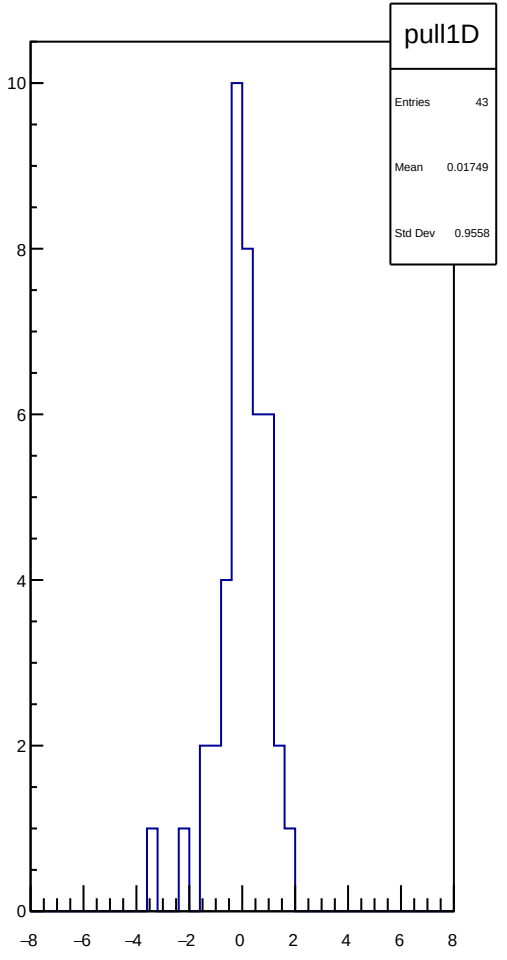
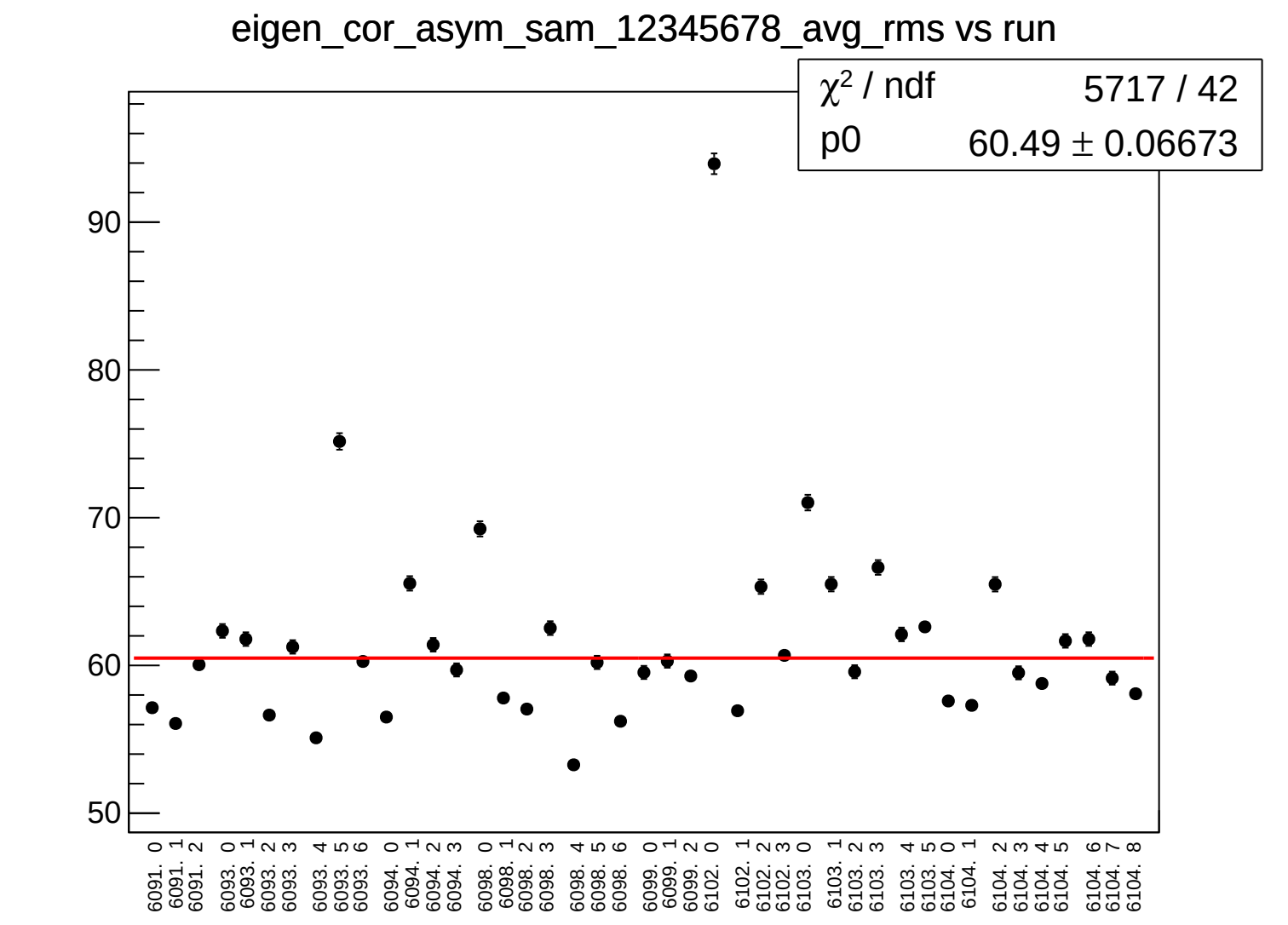
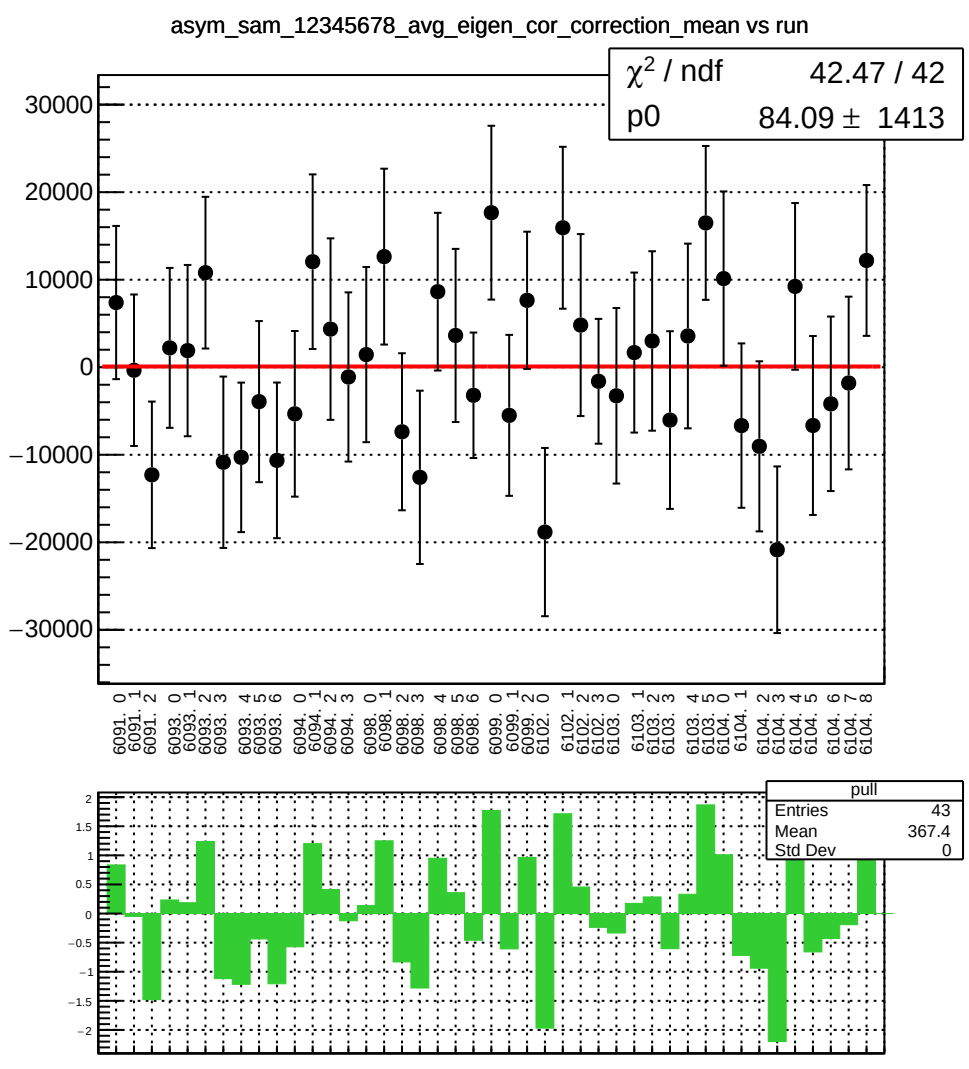
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 367.4
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 43
Mean 0.001895
Std Dev 0.9938
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

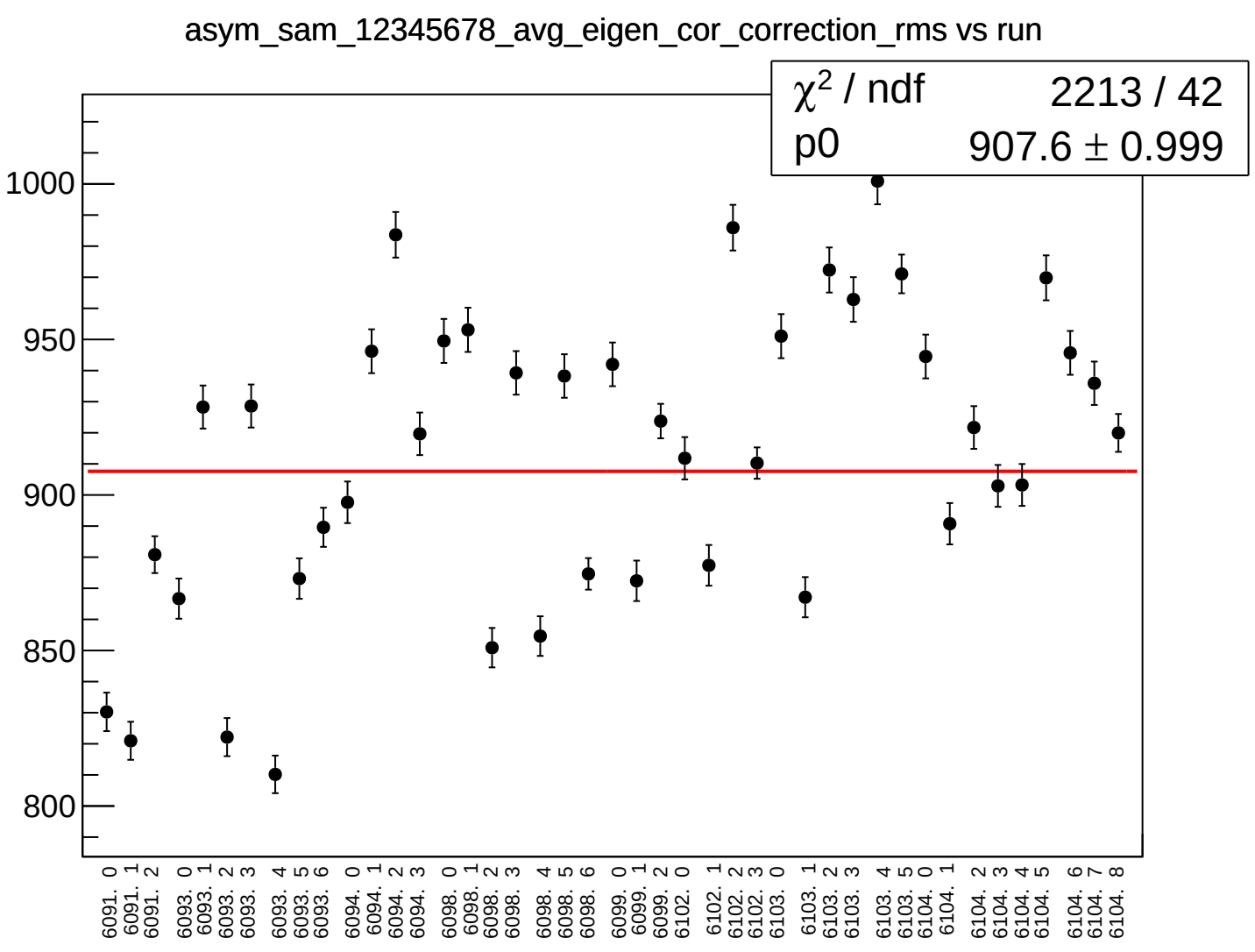

asym_sam_12345678_avg_cor_correction_rms vs run
χ² / ndf 2213 / 42
p0 907.6 ± 0.999
1000
950
900
850
800
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

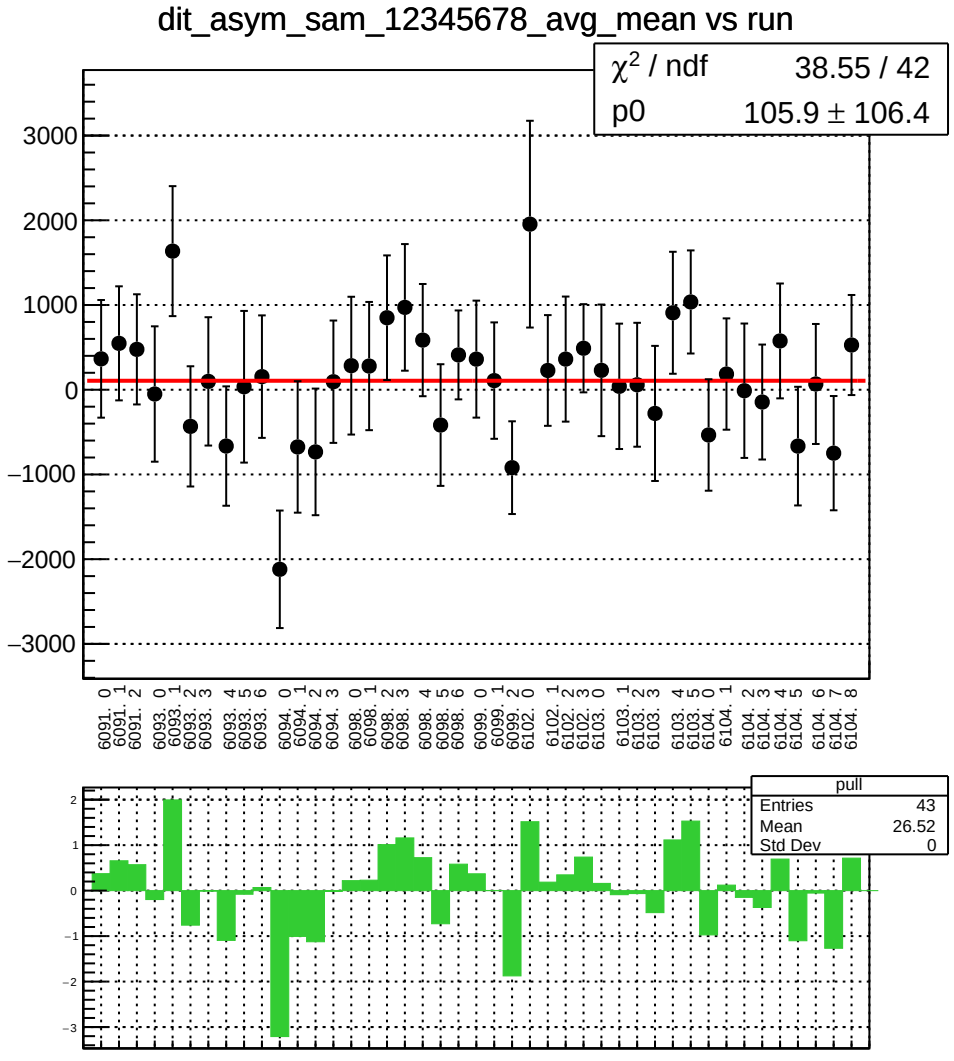

eigen_cor_asym_sam_12345678_avg_mean vs run
χ² / ndf 39.3 / 42
p0 72.17 ± 94.37
2000
1000
0
−1000
−2000
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean −5.937
Std Dev 0
1
0
−1
−2
−3

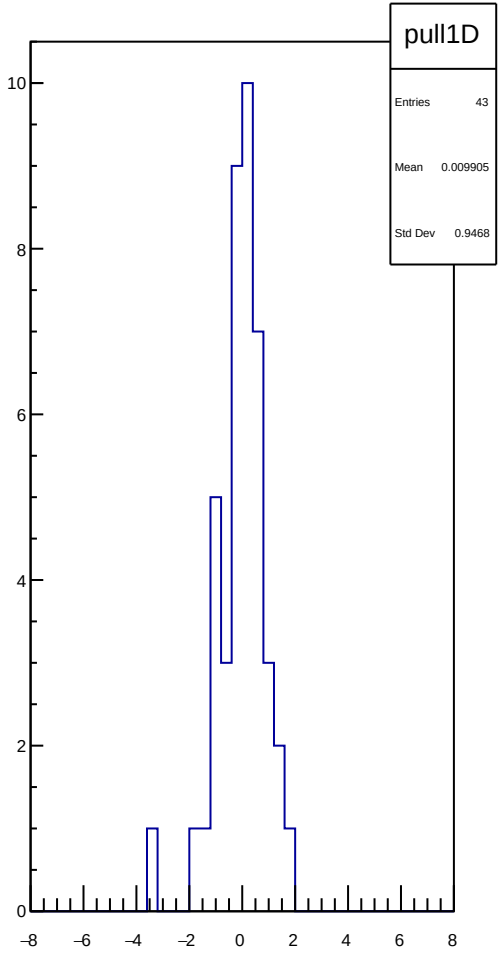

pull1D
Entries 43
Mean 0.01749
Std Dev 0.9558
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

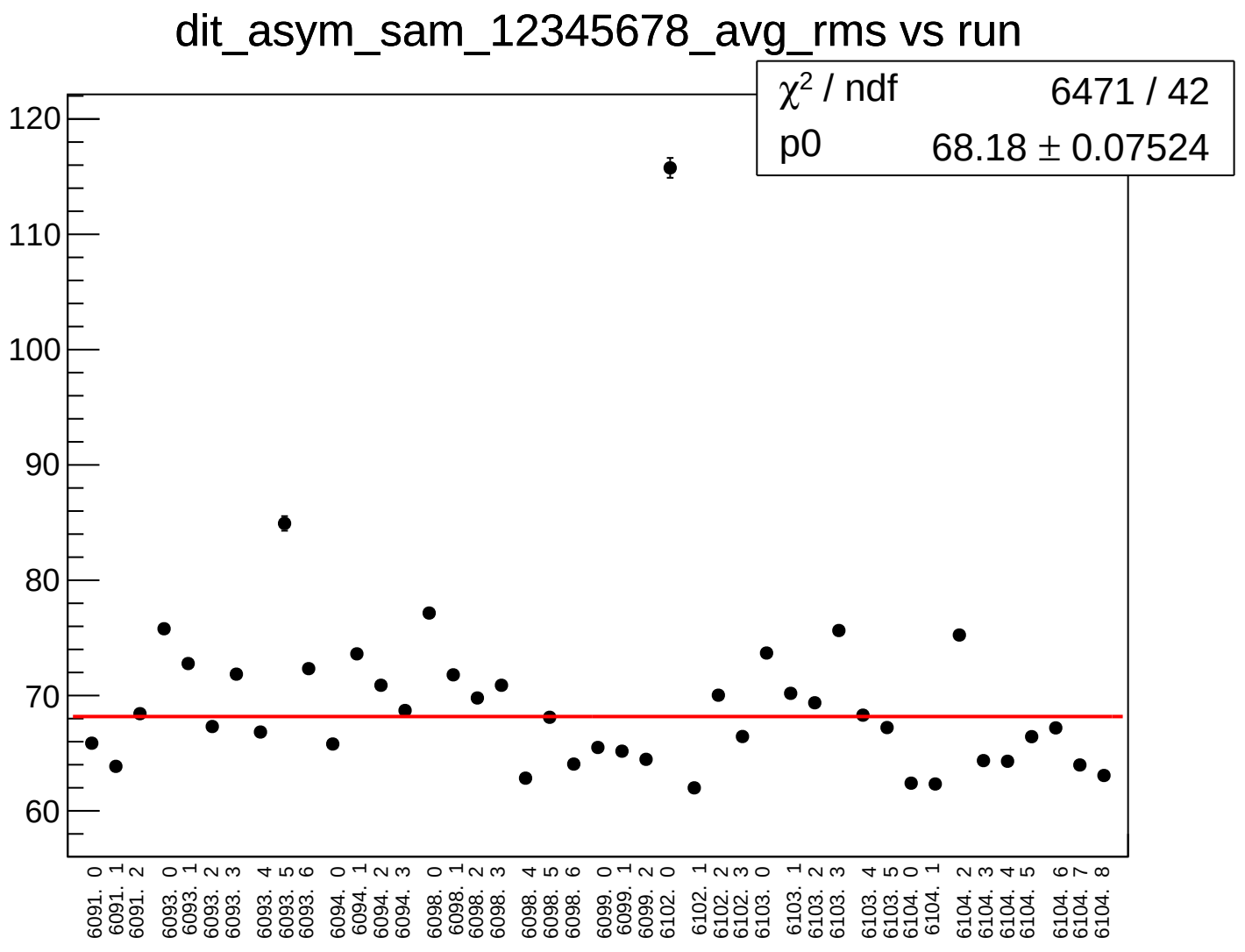

eigen_cor_asym_sam_12345678_avg_rms vs run
χ² / ndf 5717 / 42
p0 60.49 ± 0.06673
90
80
70
60
50
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

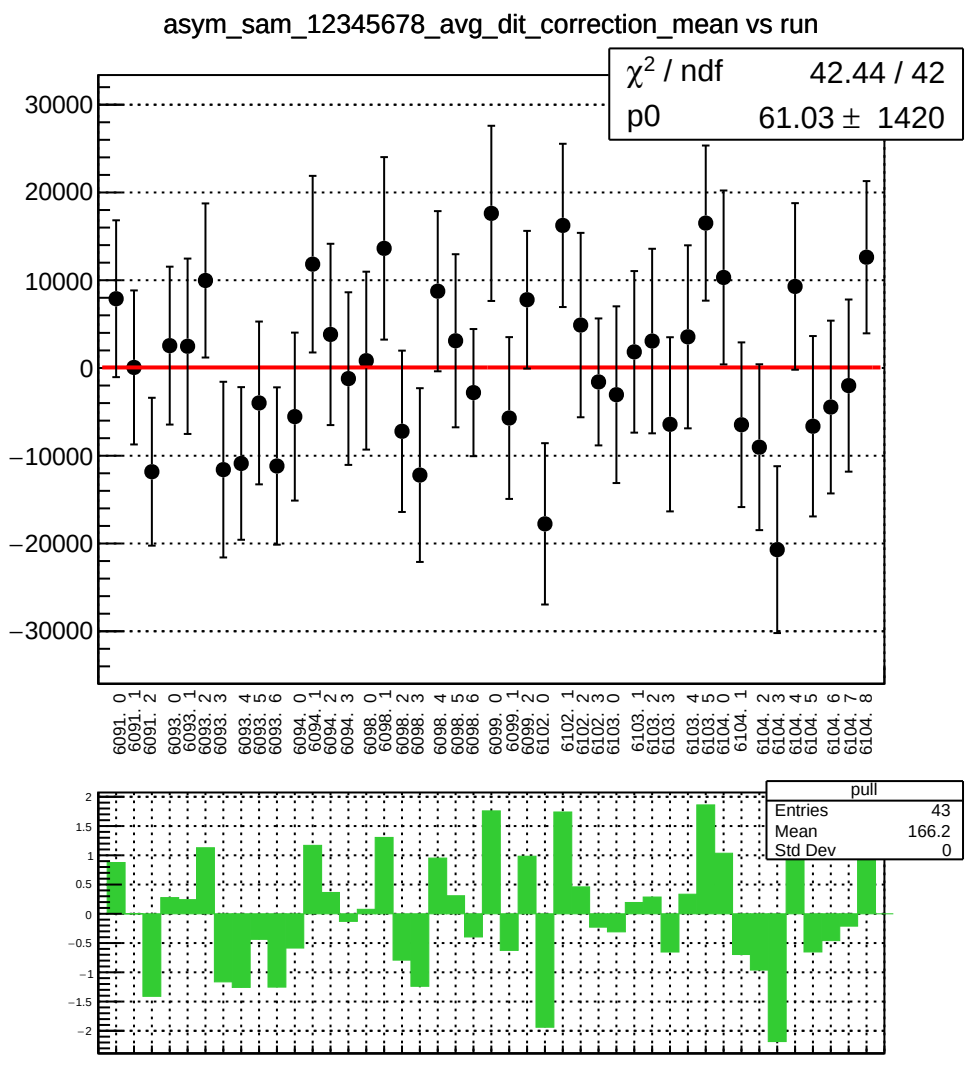

asym_sam_12345678_avg_eigen_cor_correction_mean vs run
χ² / ndf 42.47 / 42
p0 84.09 ± 1413
30000
20000
10000
0
−10000
−20000
−30000
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 367.4
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 43
Mean 0.001895
Std Dev 0.9938
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

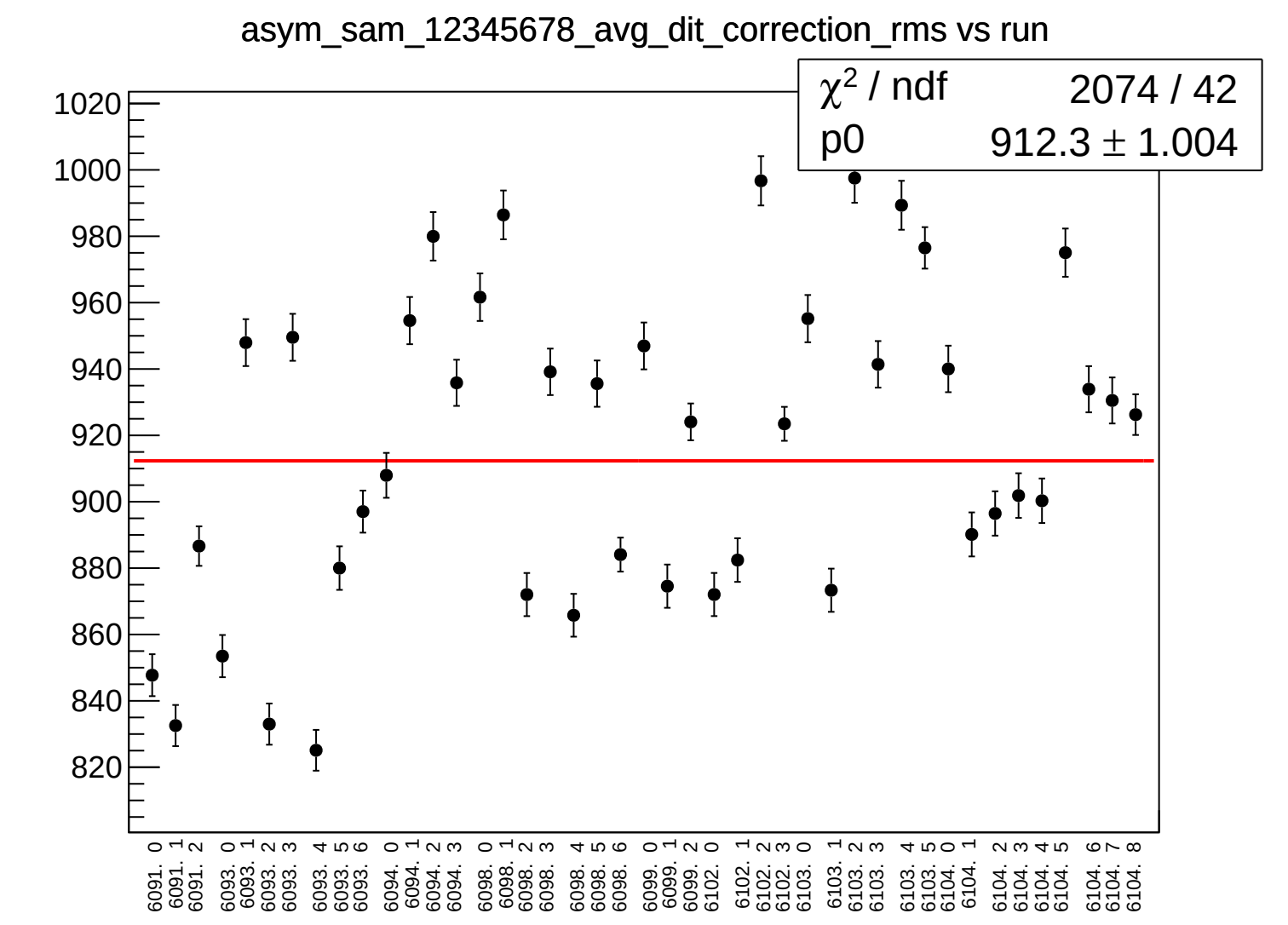

asym_sam_12345678_avg_eigen_cor_correction_rms vs run
χ² / ndf 2213 / 42
p0 907.6 ± 0.999
1000
950
900
850
800
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

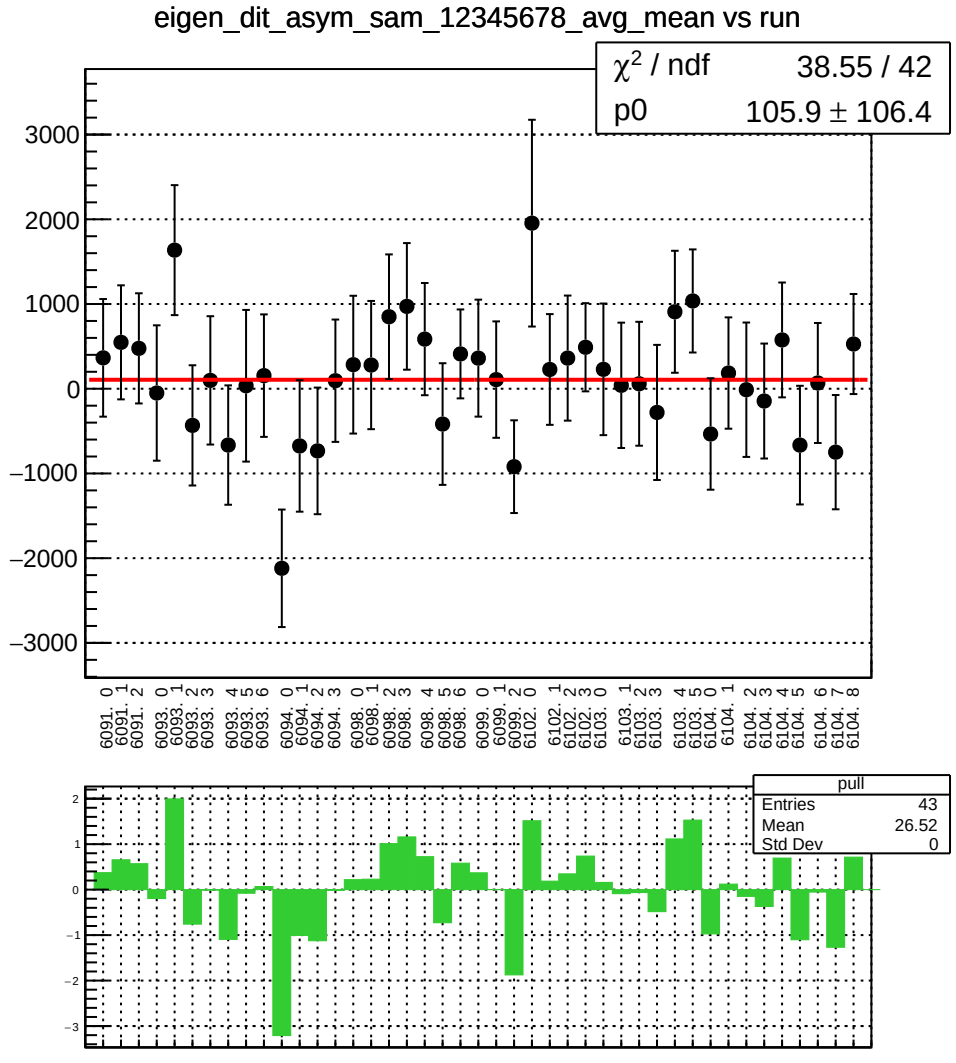

dit_asym_sam_12345678_avg_mean vs run
χ² / ndf 38.55 / 42
p0 105.9 ± 106.4
3000
2000
1000
0
−1000
−2000
−3000
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 26.52
Std Dev 0
2
1
0
−1
−2
−3

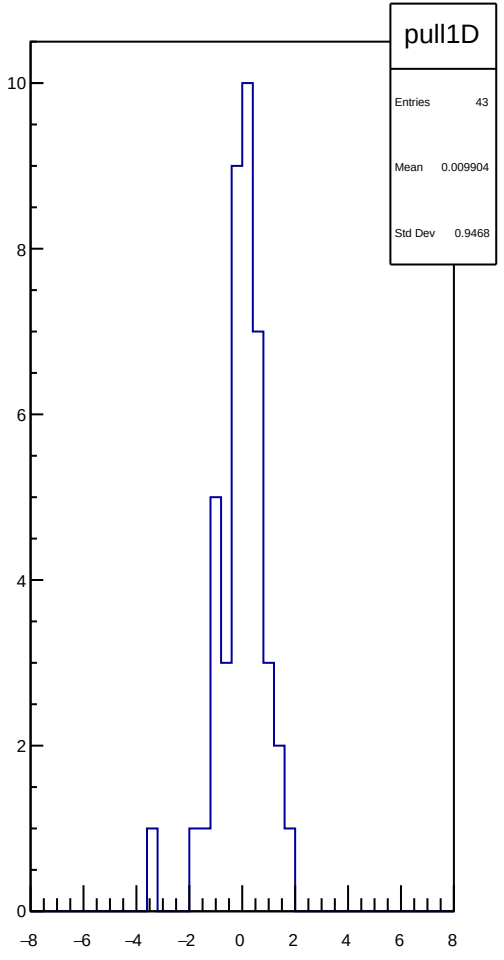

pull1D
Entries 43
Mean 0.009905
Std Dev 0.9468
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

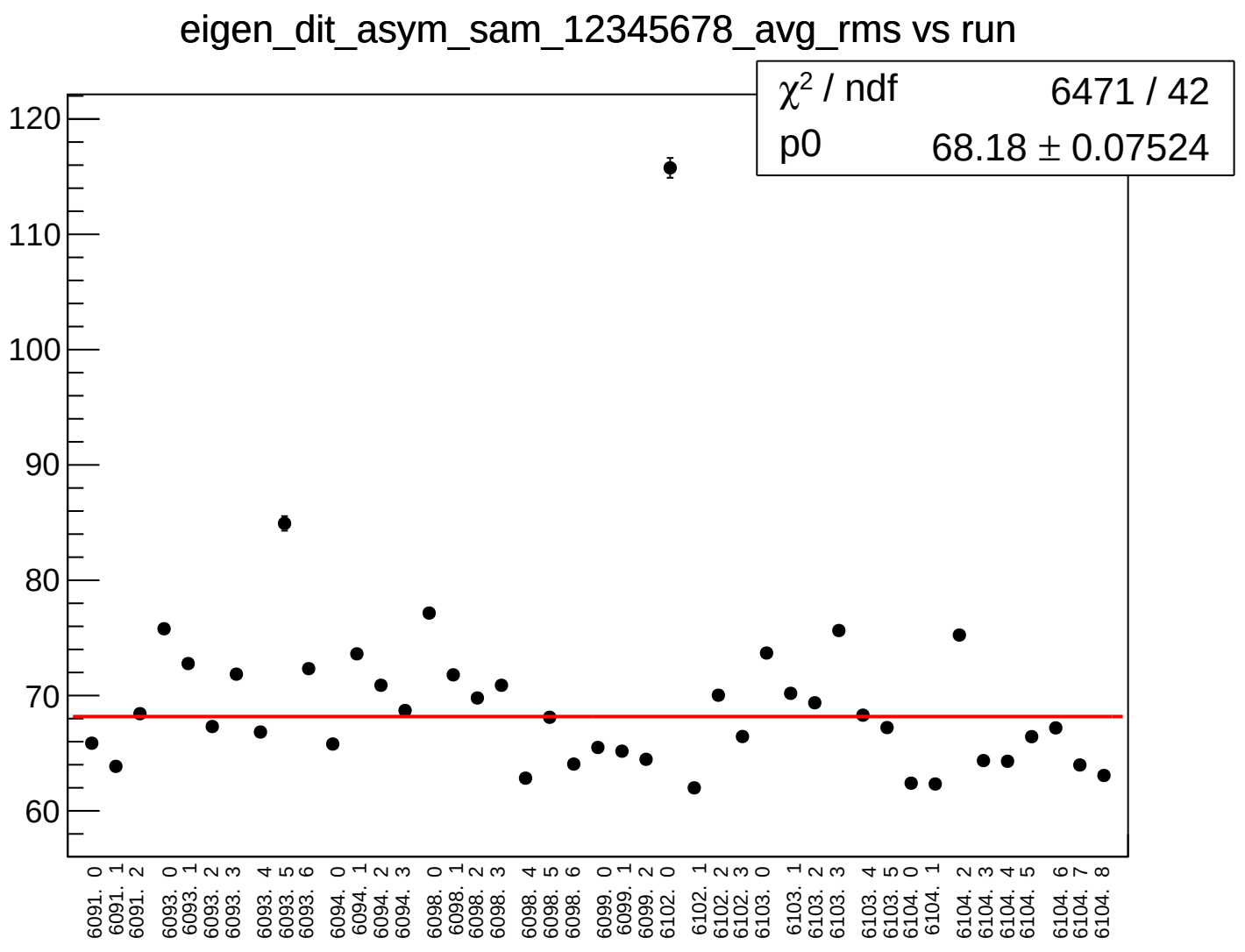

dit_asym_sam_12345678_avg_rms vs run
χ² / ndf 6471 / 42
p0 68.18 ± 0.07524
120
110
100
90
80
70
60
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

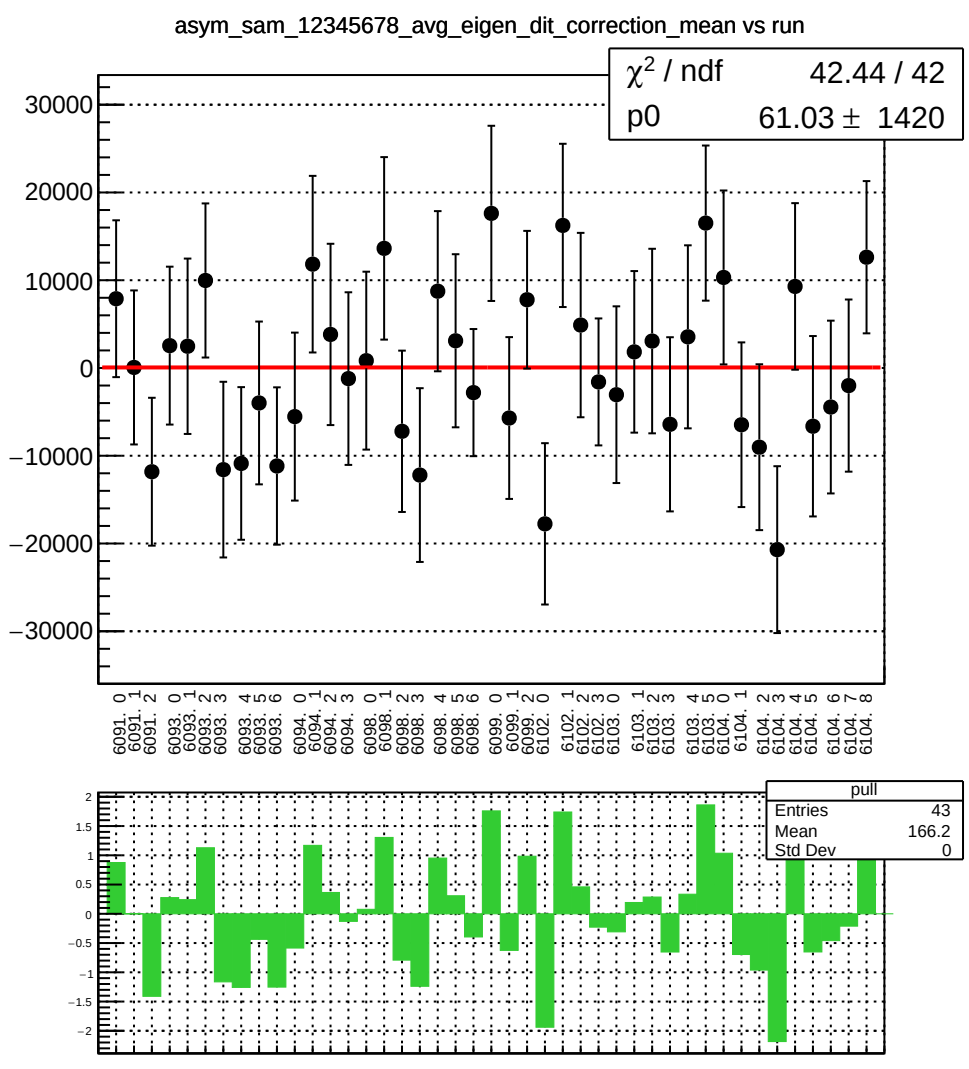

asym_sam_12345678_avg_dit_correction_mean vs run
χ² / ndf 42.44 / 42
p0 61.03 ± 1420
30000
20000
10000
0
−10000
−20000
−30000
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 166.2
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 43
Mean 0.004577
Std Dev 0.9935
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

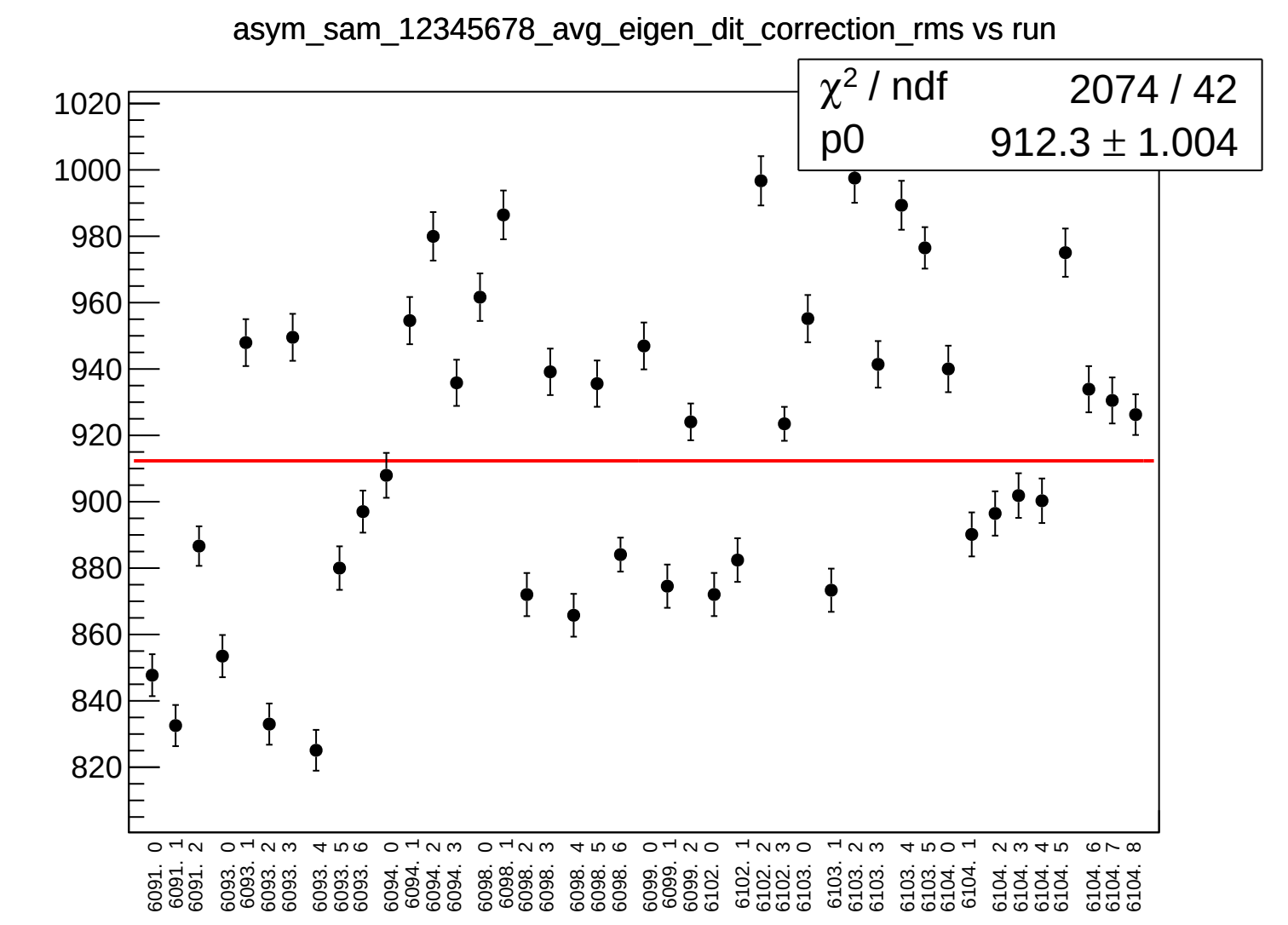

asym_sam_12345678_avg_dit_correction_rms vs run
χ² / ndf 2074 / 42
p0 912.3 ± 1.004
1020
1000
980
960
940
920
900
880
860
840
820
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

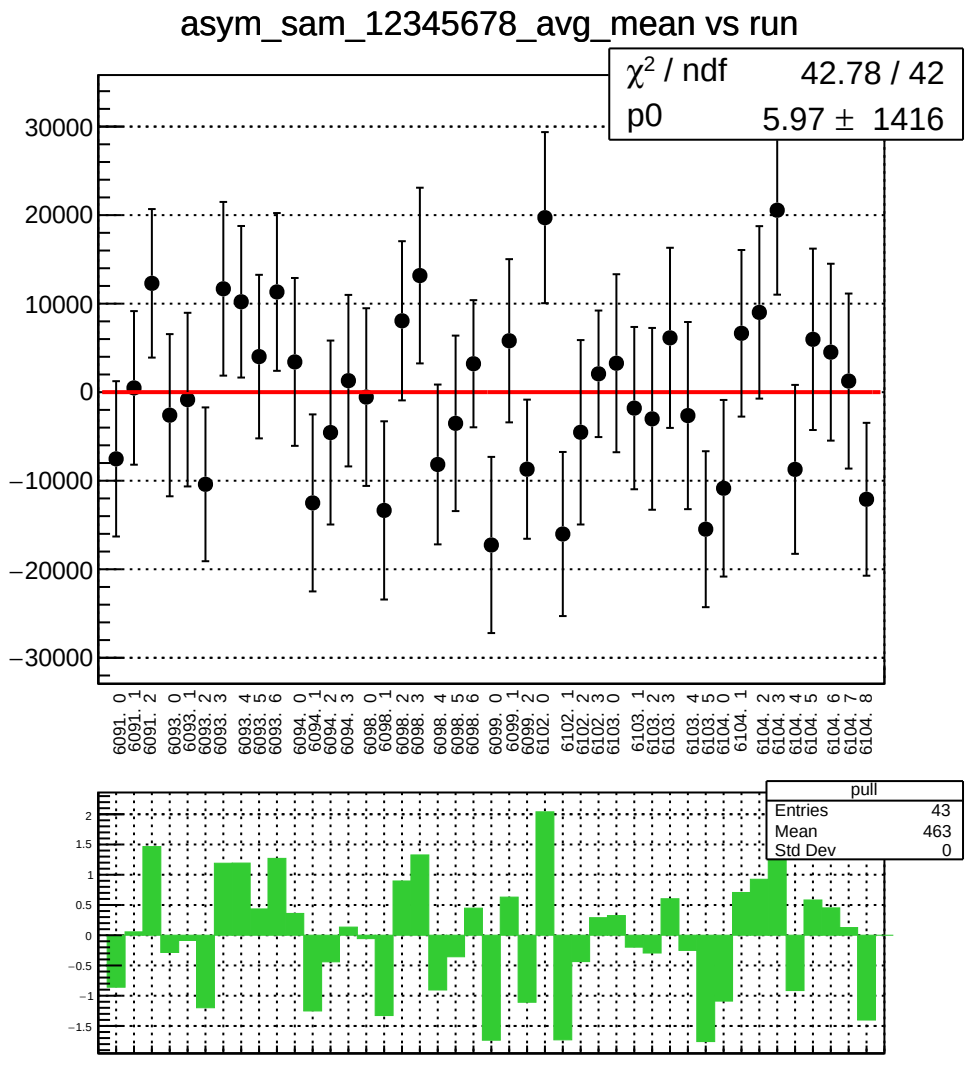

eigen_dit_asym_sam_12345678_avg_mean vs run
χ² / ndf 38.55 / 42
p0 105.9 ± 106.4
3000
2000
1000
0
−1000
−2000
−3000
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 26.52
Std Dev 0
2
1
0
−1
−2
−3

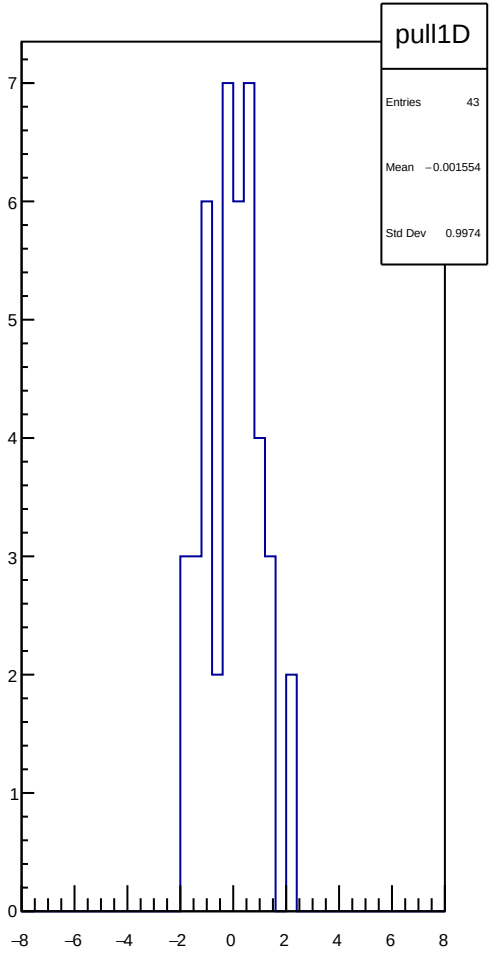

pull1D
Entries 43
Mean 0.009904
Std Dev 0.9468
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

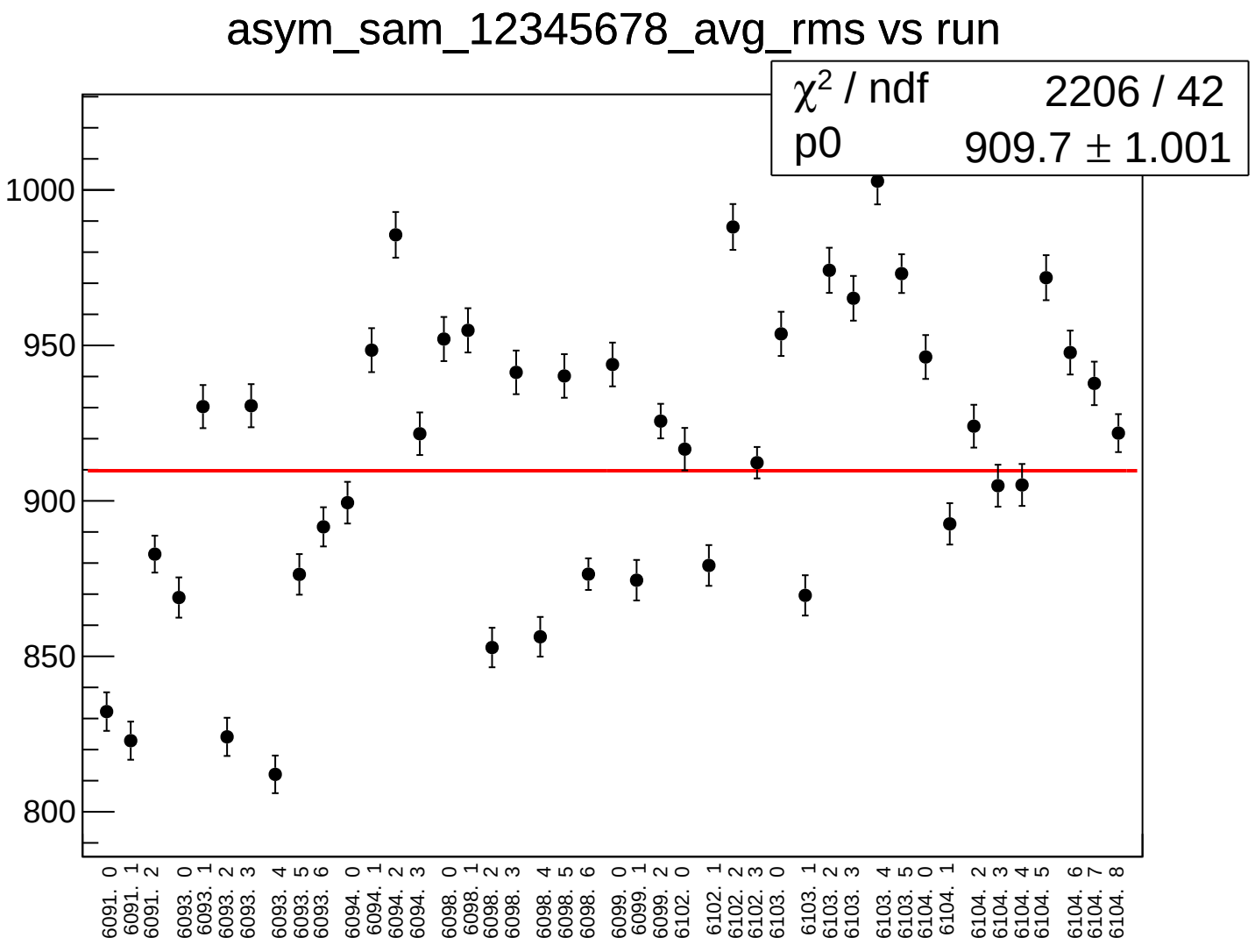

eigen_dit_asym_sam_12345678_avg_rms vs run
χ² / ndf 6471 / 42
p0 68.18 ± 0.07524
120
110
100
90
80
70
60
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

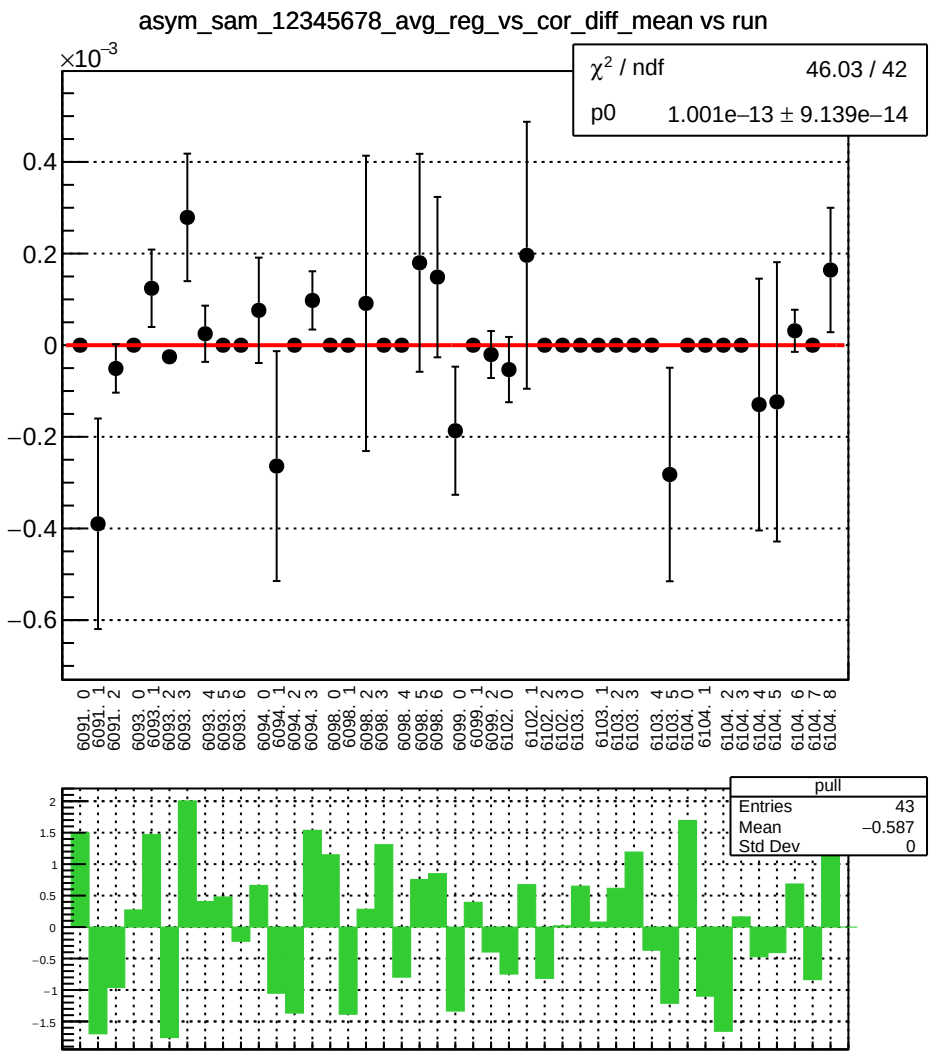

asym_sam_12345678_avg_eigen_dit_correction_mean vs run
χ² / ndf 42.44 / 42
p0 61.03 ± 1420
30000
20000
10000
0
−10000
−20000
−30000
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 166.2
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 43
Mean 0.004577
Std Dev 0.9935
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

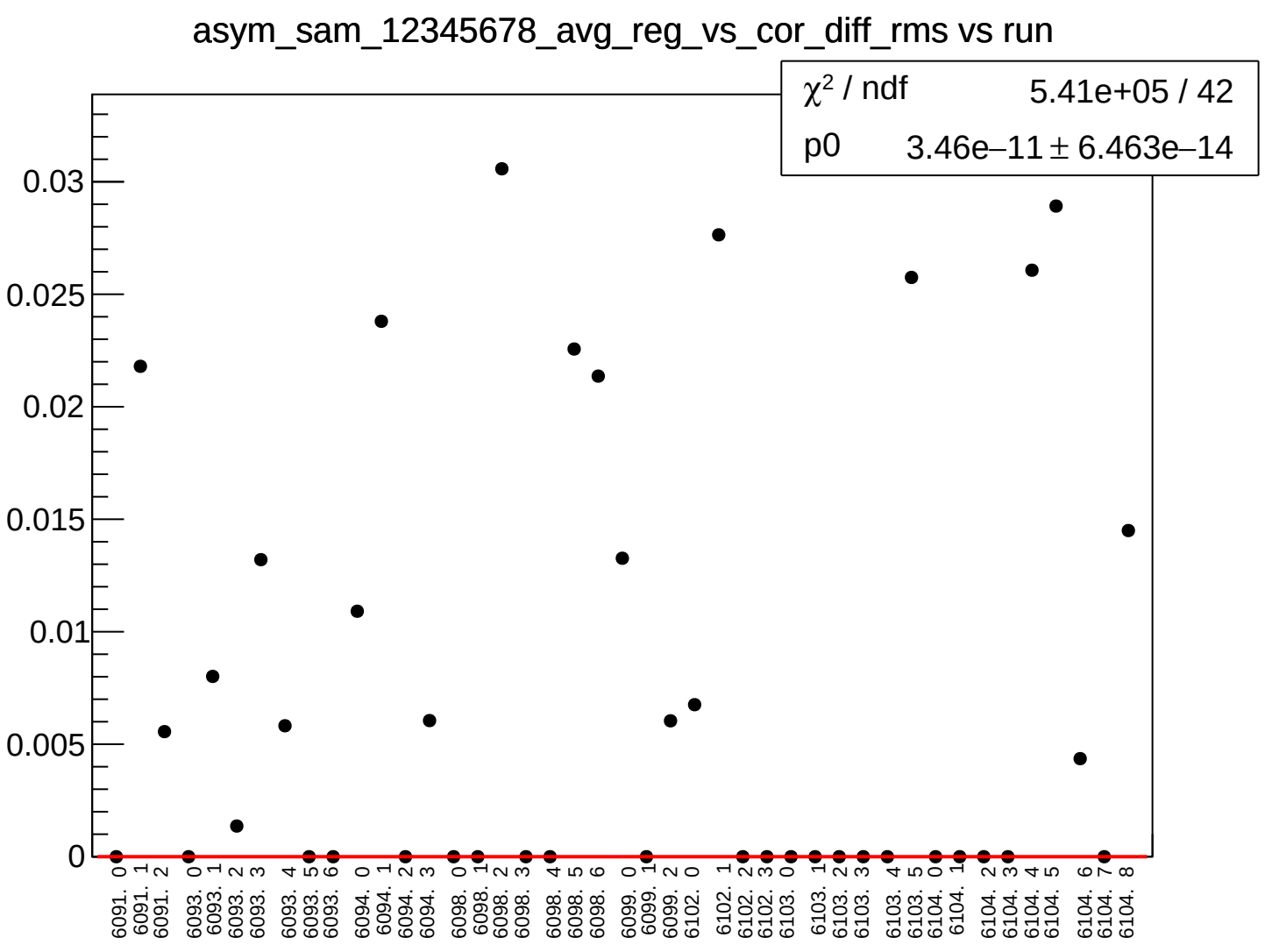

asym_sam_12345678_avg_eigen_dit_correction_rms vs run
χ² / ndf 2074 / 42
p0 912.3 ± 1.004
1020
1000
980
960
940
920
900
880
860
840
820
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

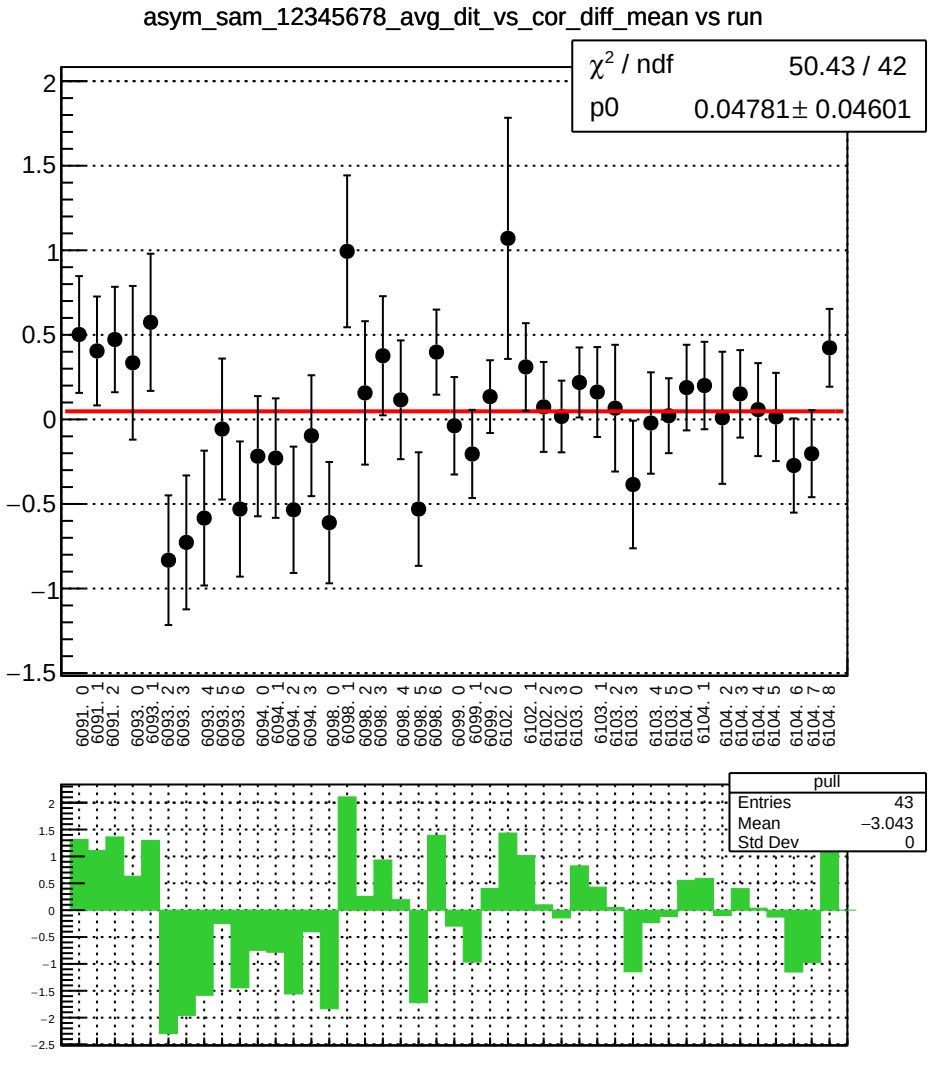

asym_sam_12345678_avg_mean vs run
χ² / ndf 42.78 / 42
p0 5.97 ± 1416
30000
20000
10000
0
−10000
−20000
−30000
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 463
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5

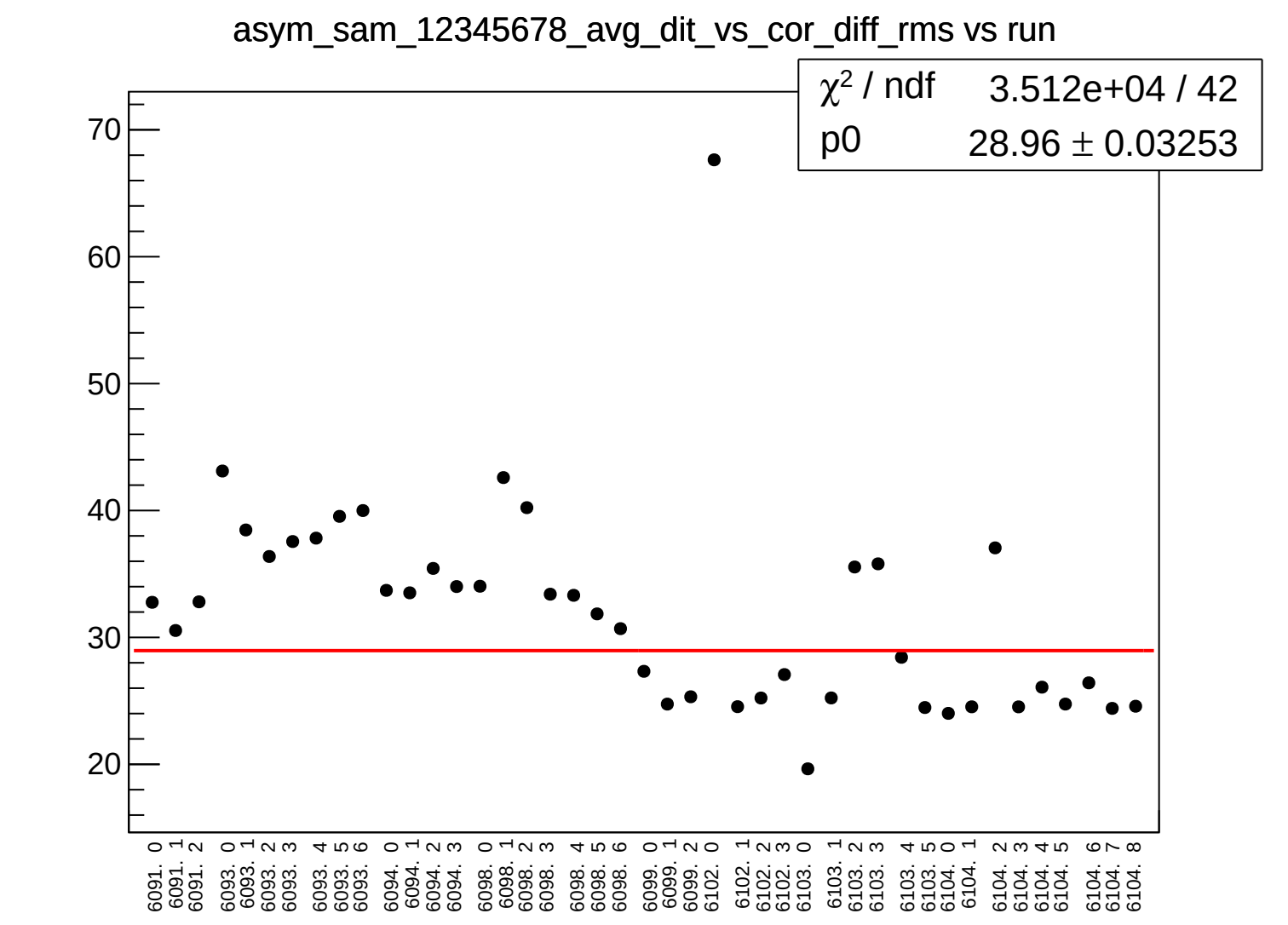

pull1D
Entries 43
Mean −0.001554
Std Dev 0.9974
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

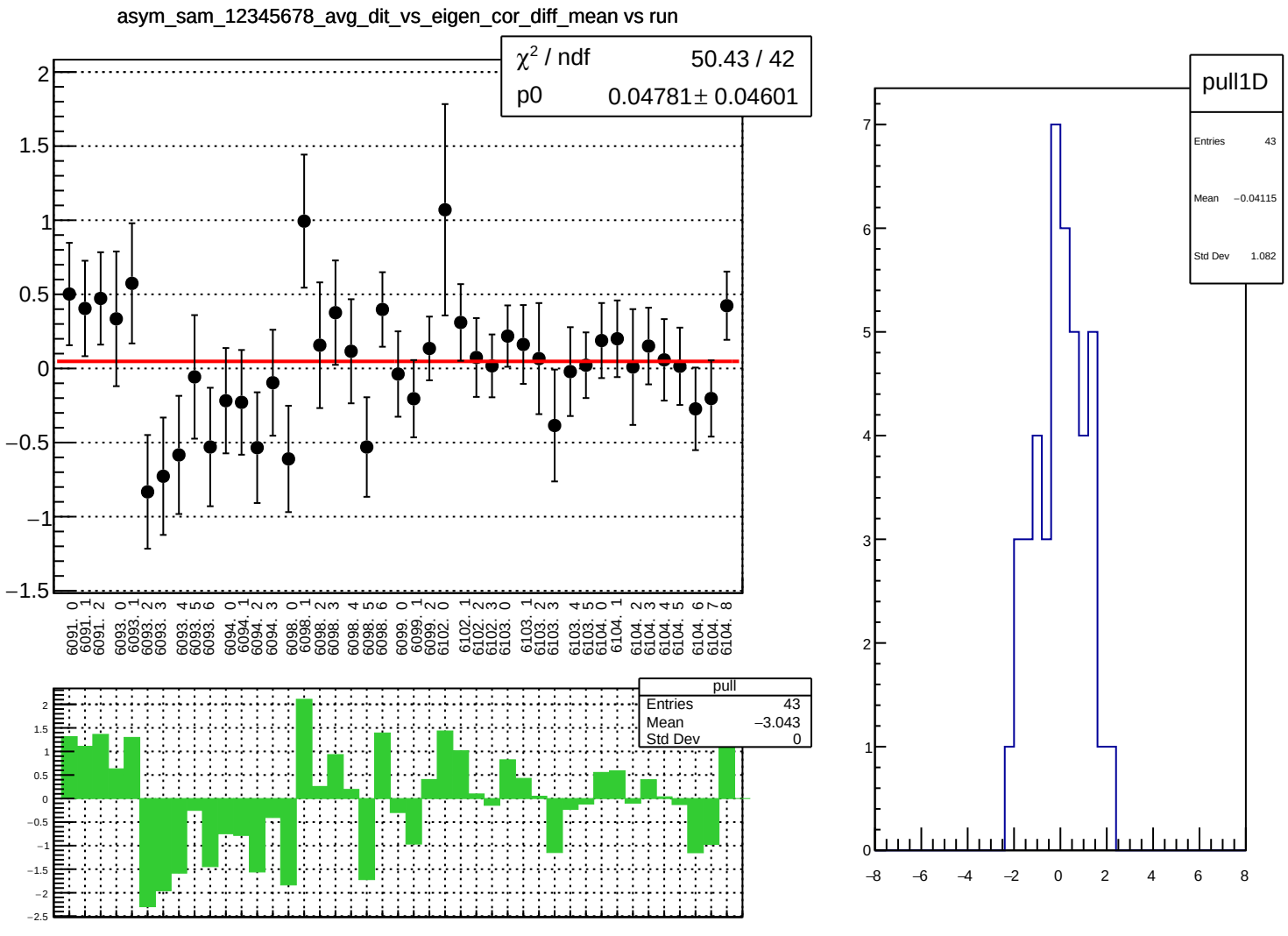

asym_sam_12345678_avg_rms vs run
χ² / ndf 2206 / 42
p0 909.7 ± 1.001
1000
950
900
850
800
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

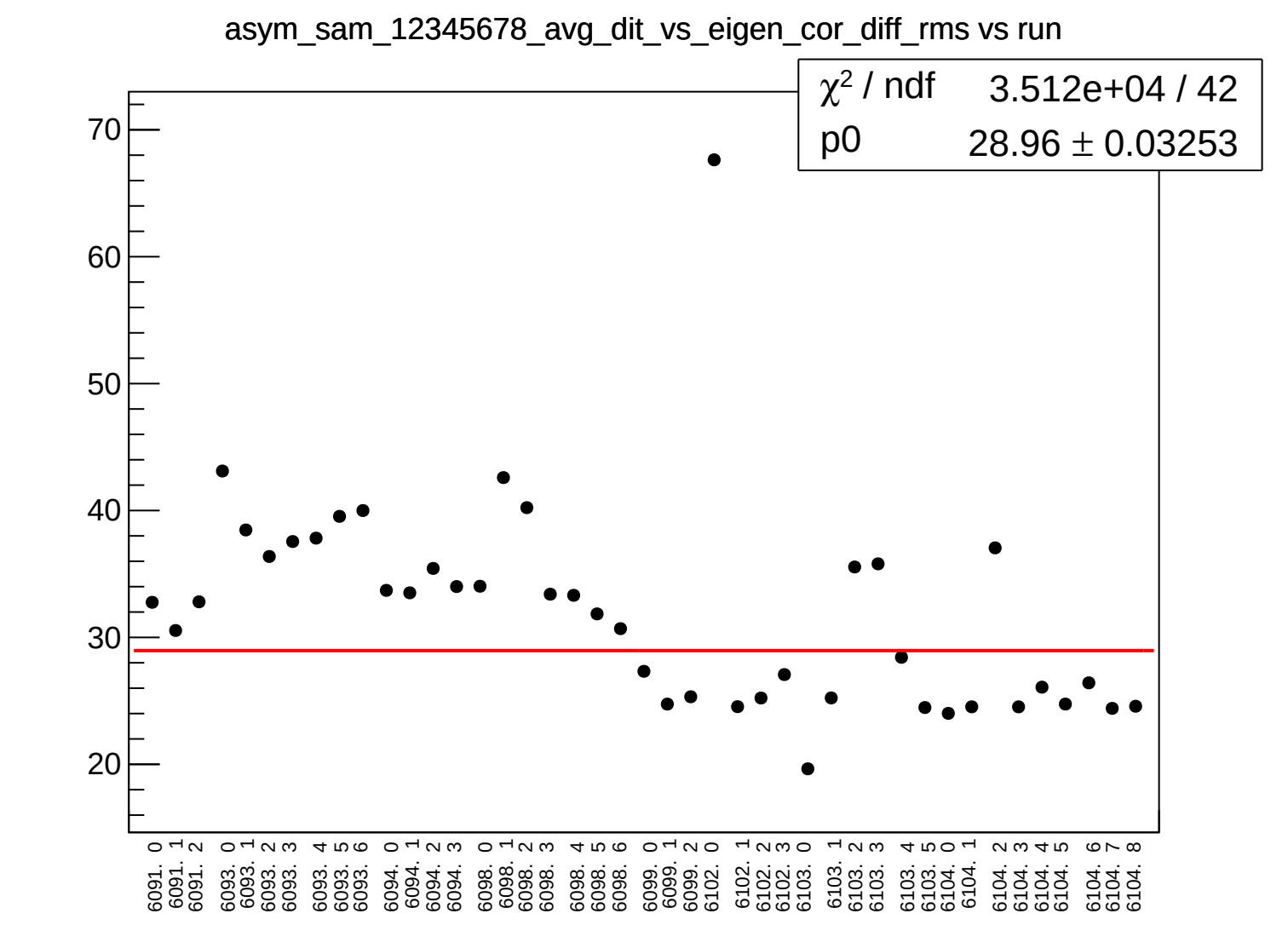

asym_sam_12345678_avg_reg_vs_cor_diff_mean vs run
×10⁻³
χ² / ndf 46.03 / 42
p0 1.001e−13 ± 9.139e−14
0.4
0.2
0
−0.2
−0.4
−0.6
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean −0.587
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 43
Mean 0.03428
Std Dev 1.034
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

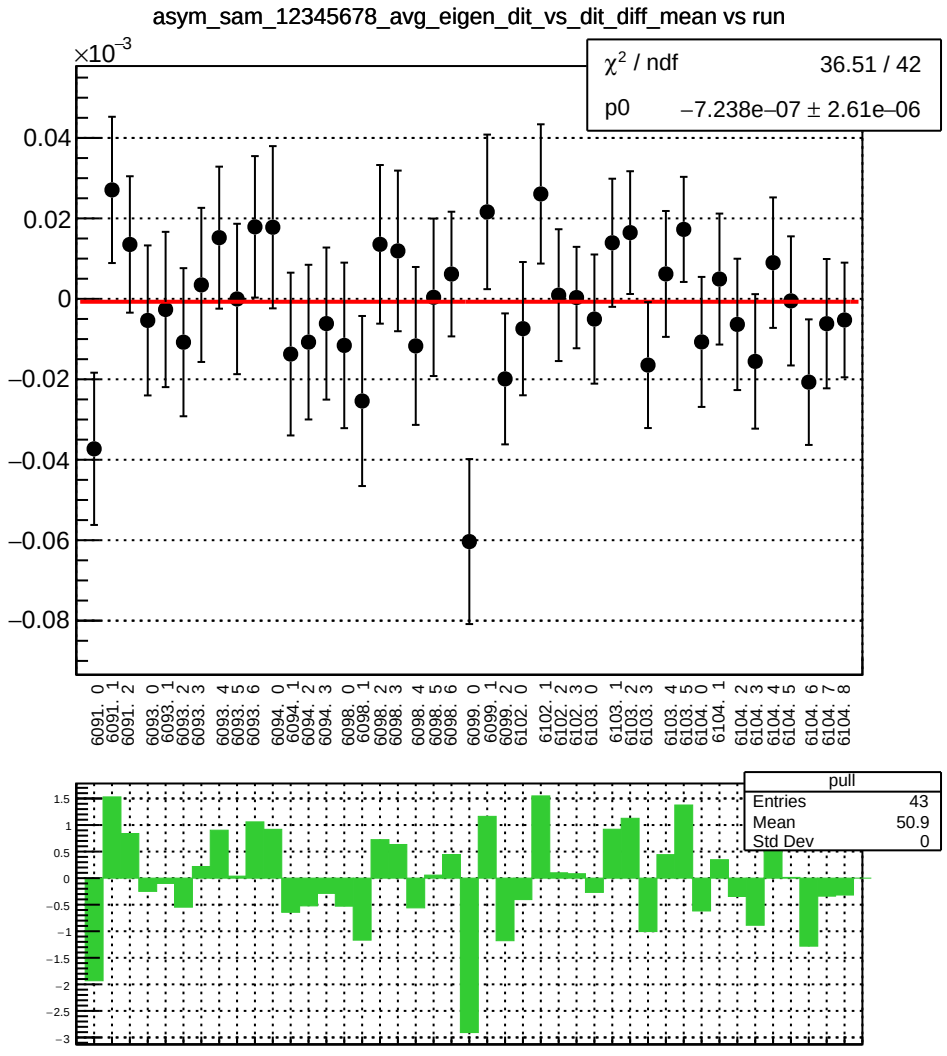

asym_sam_12345678_avg_reg_vs_cor_diff_rms vs run
χ² / ndf 5.41e+05 / 42
p0 3.46e−11 ± 6.463e−14
0.03
0.025
0.02
0.015
0.01
0.005
0
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

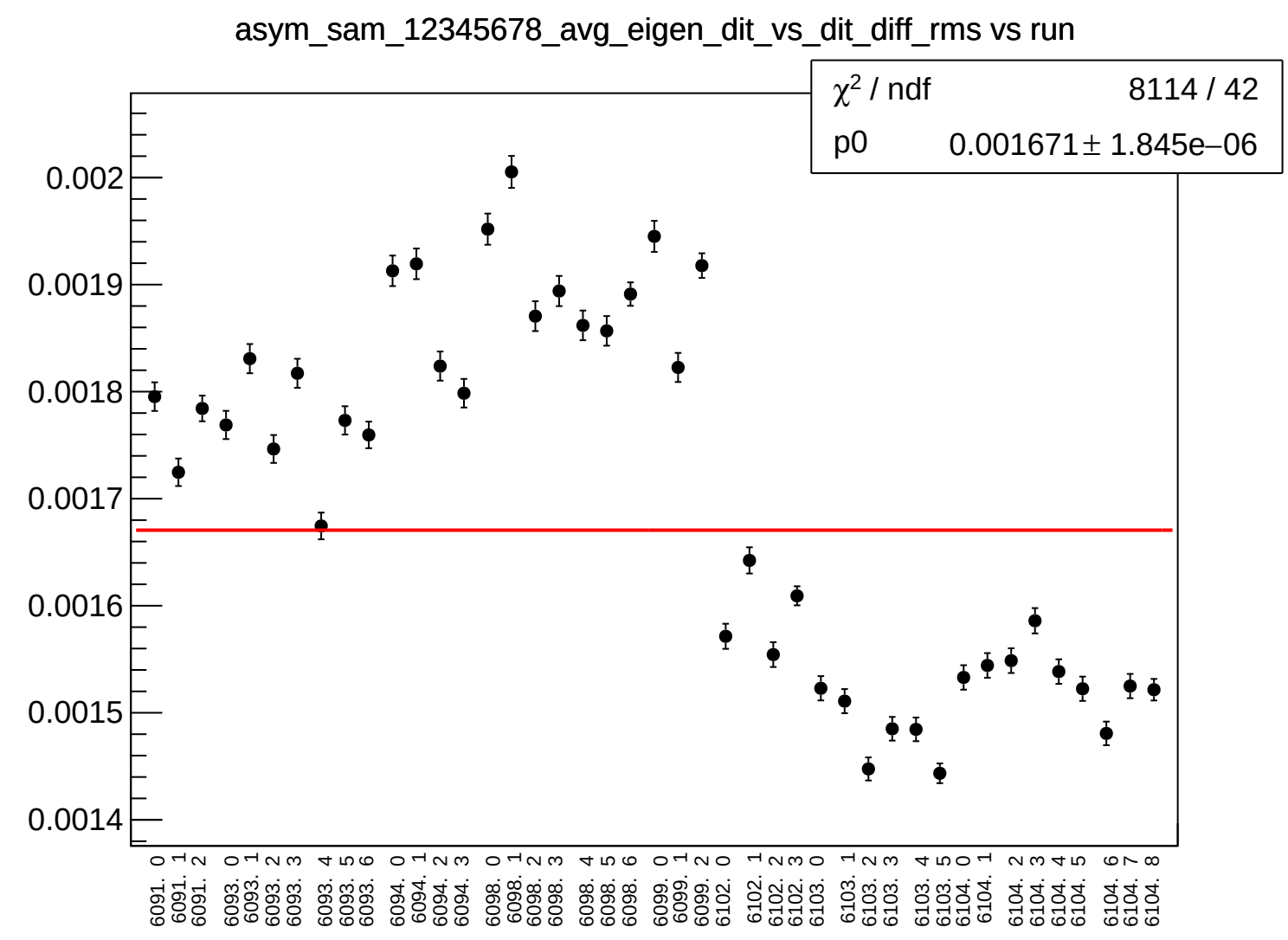

asym_sam_12345678_avg_dit_vs_cor_diff_mean vs run
χ² / ndf 50.43 / 42
p0 0.04781± 0.04601
pull
Entries 43
Mean −3.043
Std Dev 0
pull1D
Entries 43
Mean −0.04115
Std Dev 1.082

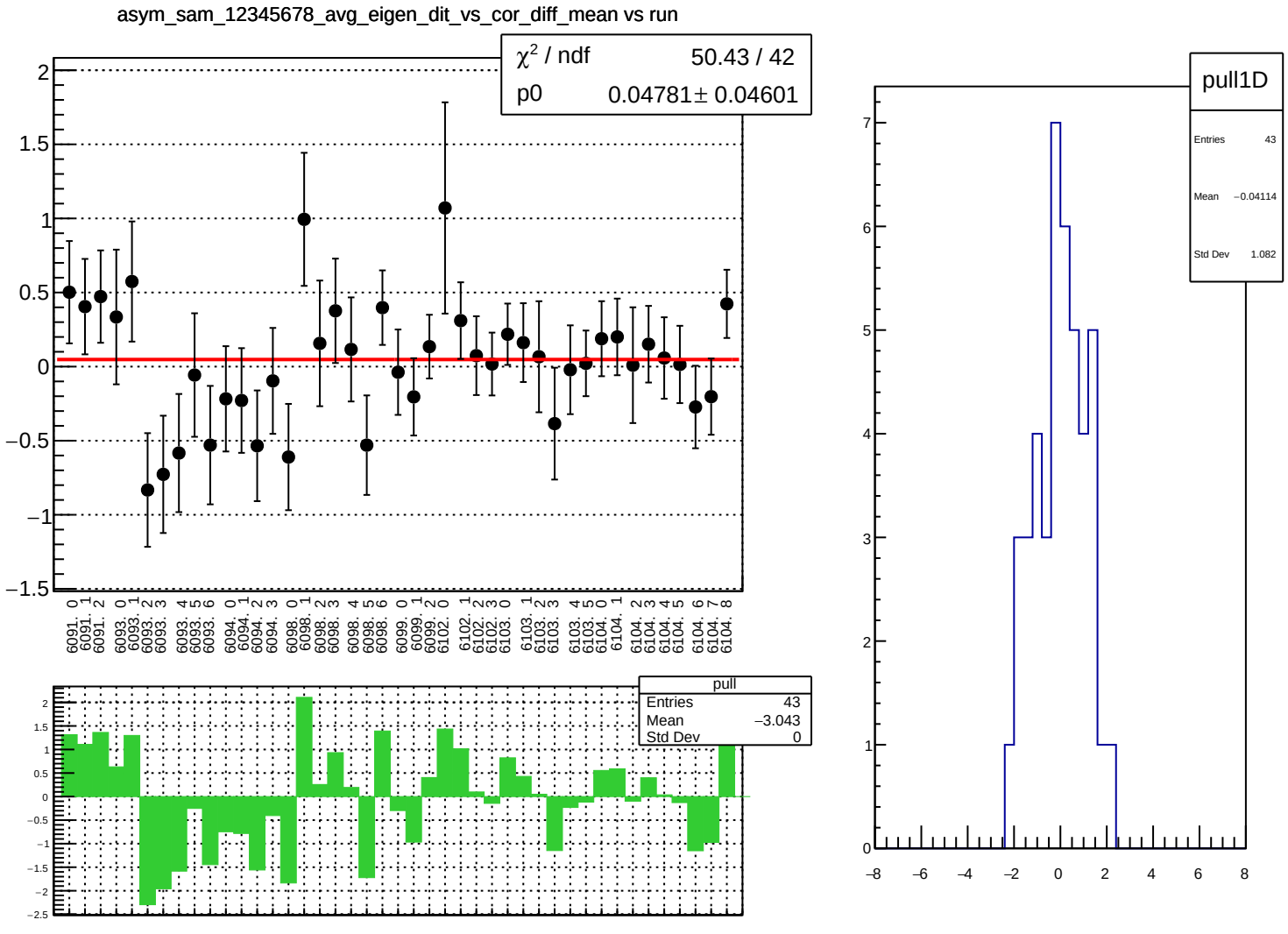

asym_sam_12345678_avg_dit_vs_cor_diff_rms vs run
χ² / ndf 3.512e+04 / 42
p0 28.96 ± 0.03253
70
60
50
40
30
20
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

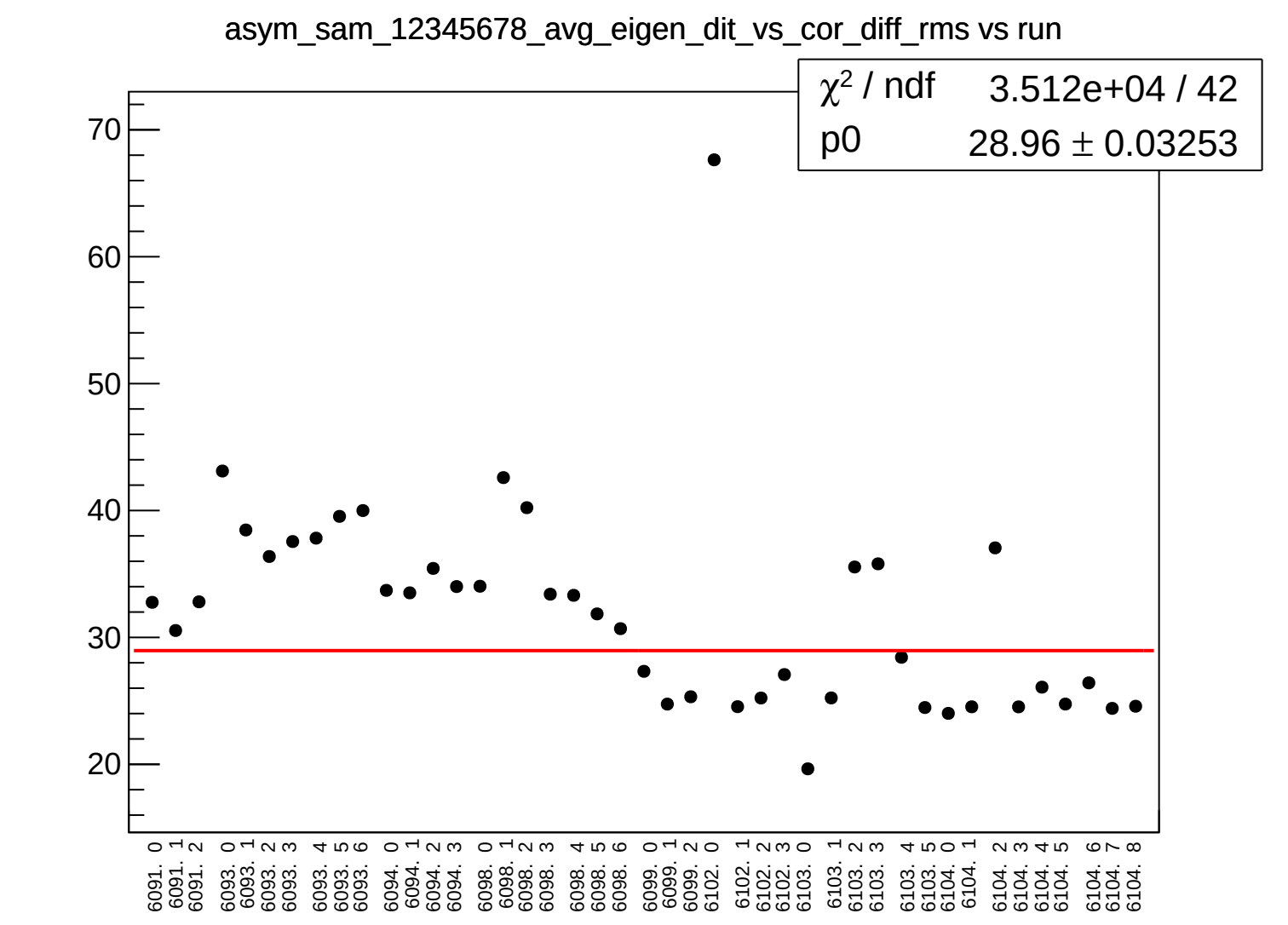

asym_sam_12345678_avg_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 50.43 / 42
p0 0.04781± 0.04601
pull
Entries 43
Mean −3.043
Std Dev 0
pull1D
Entries 43
Mean −0.04115
Std Dev 1.082


asym_sam_12345678_avg_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 3.512e+04 / 42
p0 28.96 ± 0.03253
70
60
50
40
30
20
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8


asym_sam_12345678_avg_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 36.51 / 42
p0 −7.238e−07 ± 2.61e−06
0.04
0.02
0
−0.02
−0.04
−0.06
−0.08
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 50.9
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5
−3
pull1D
Entries 43
Mean −0.02322
Std Dev 0.9211
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


asym_sam_12345678_avg_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 8114 / 42
p0 0.001671 ± 1.845e−06
0.002
0.0019
0.0018
0.0017
0.0016
0.0015
0.0014
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8


asym_sam_12345678_avg_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 50.43 / 42
p0 0.04781± 0.04601
pull
Entries 43
Mean −3.043
Std Dev 0
pull1D
Entries 43
Mean −0.04114
Std Dev 1.082


asym_sam_12345678_avg_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 3.512e+04 / 42
p0 28.96 ± 0.03253
70
60
50
40
30
20
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
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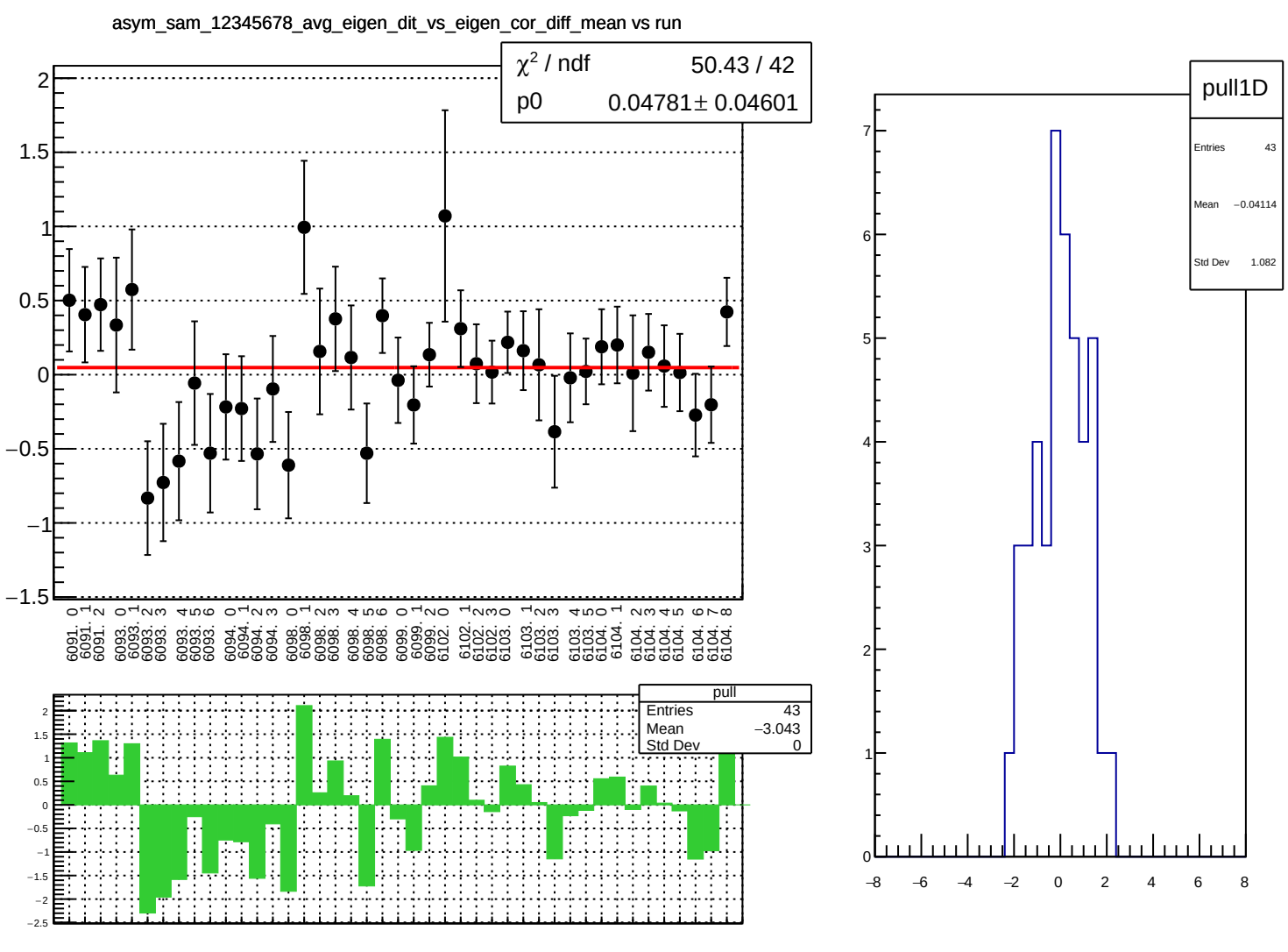
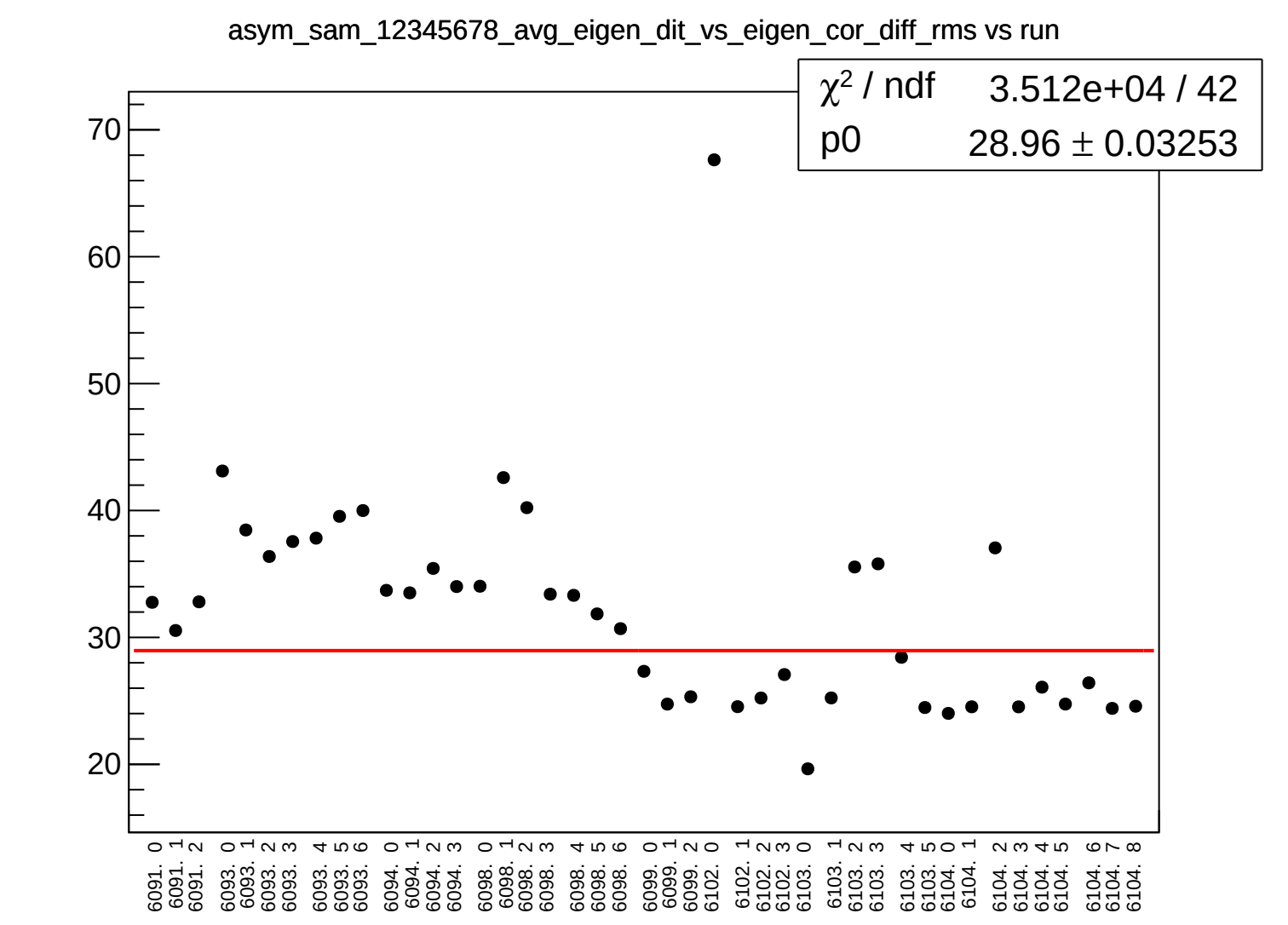
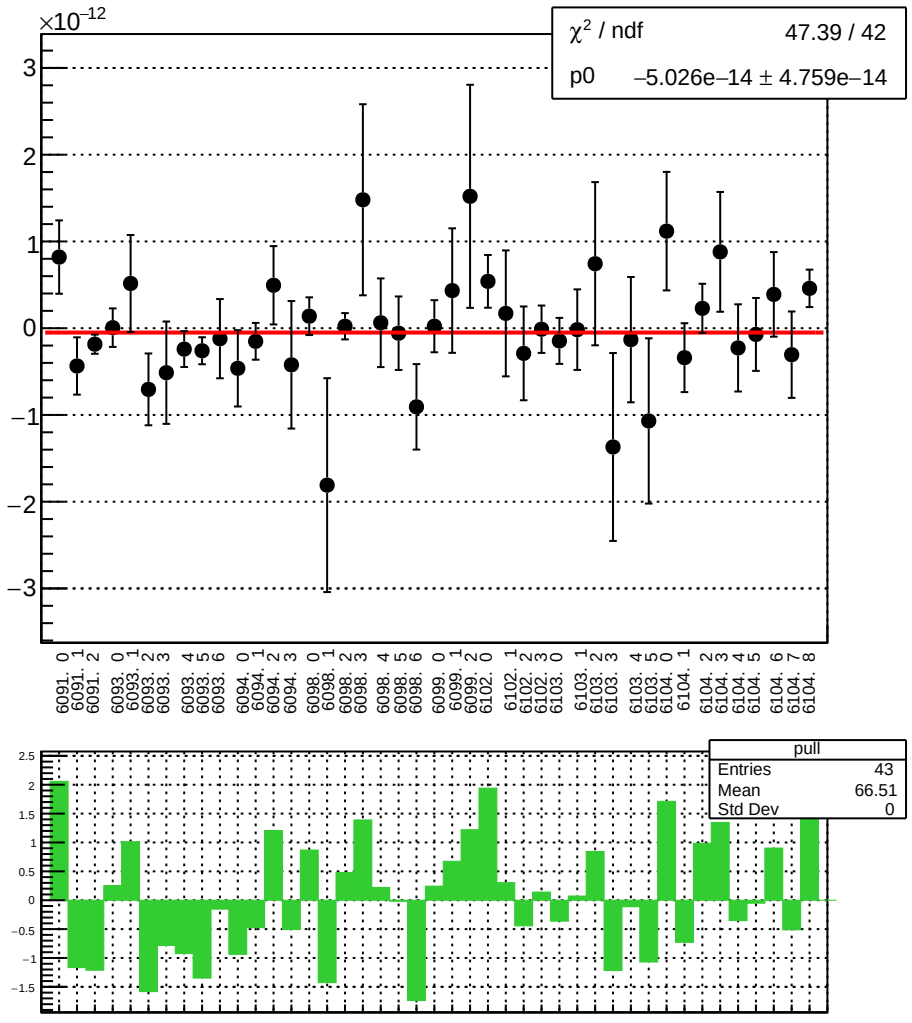
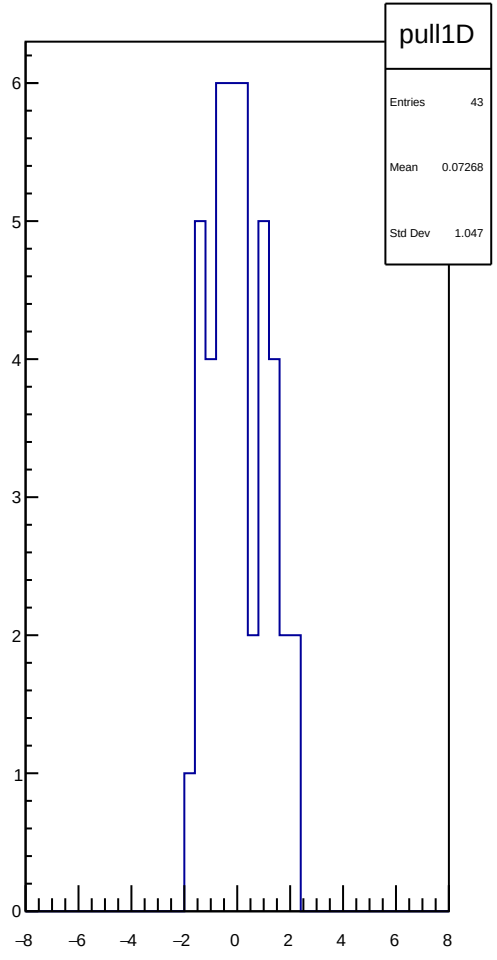
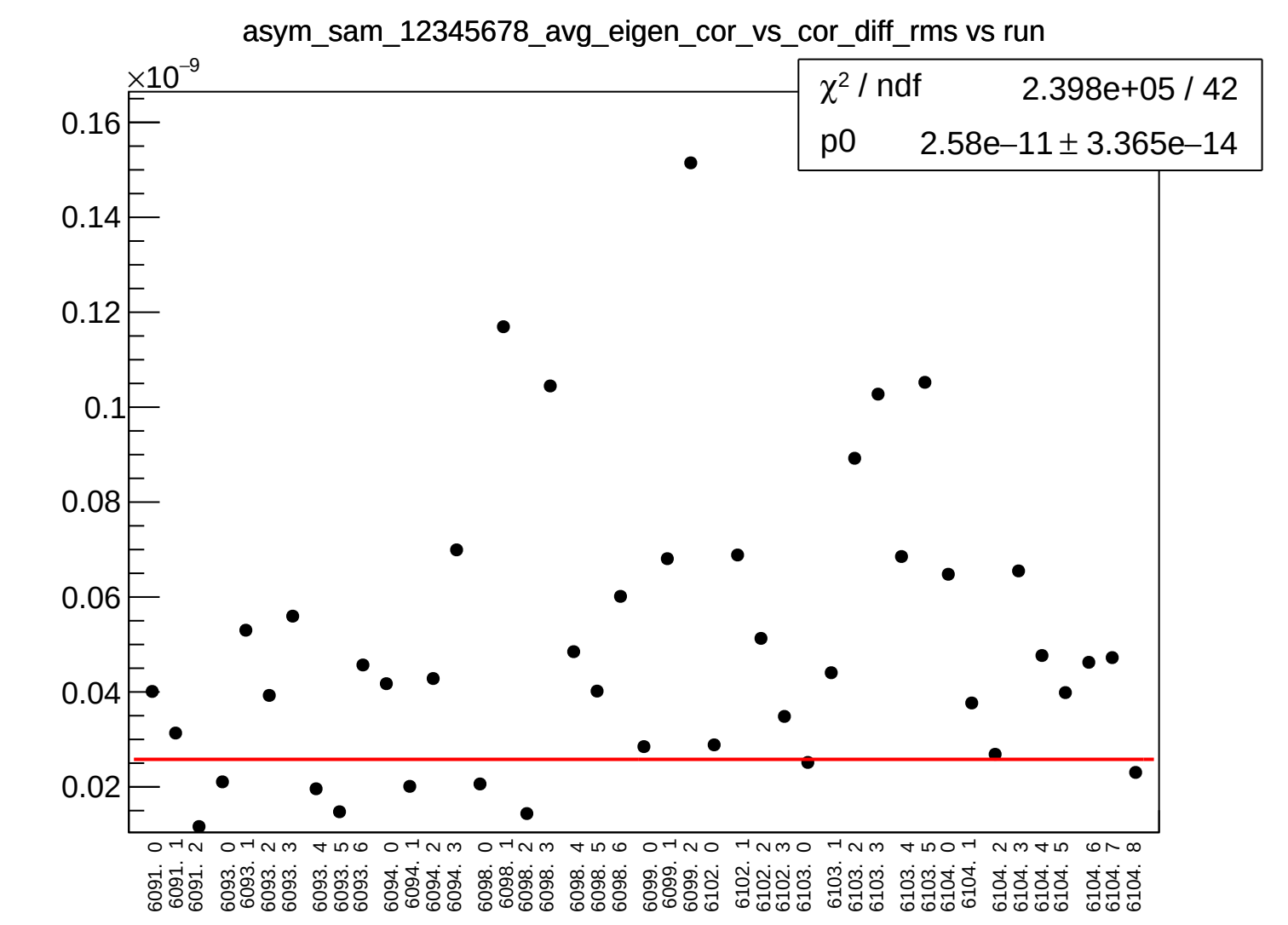
6104. 5
6104. 6
6104. 7
6104. 8

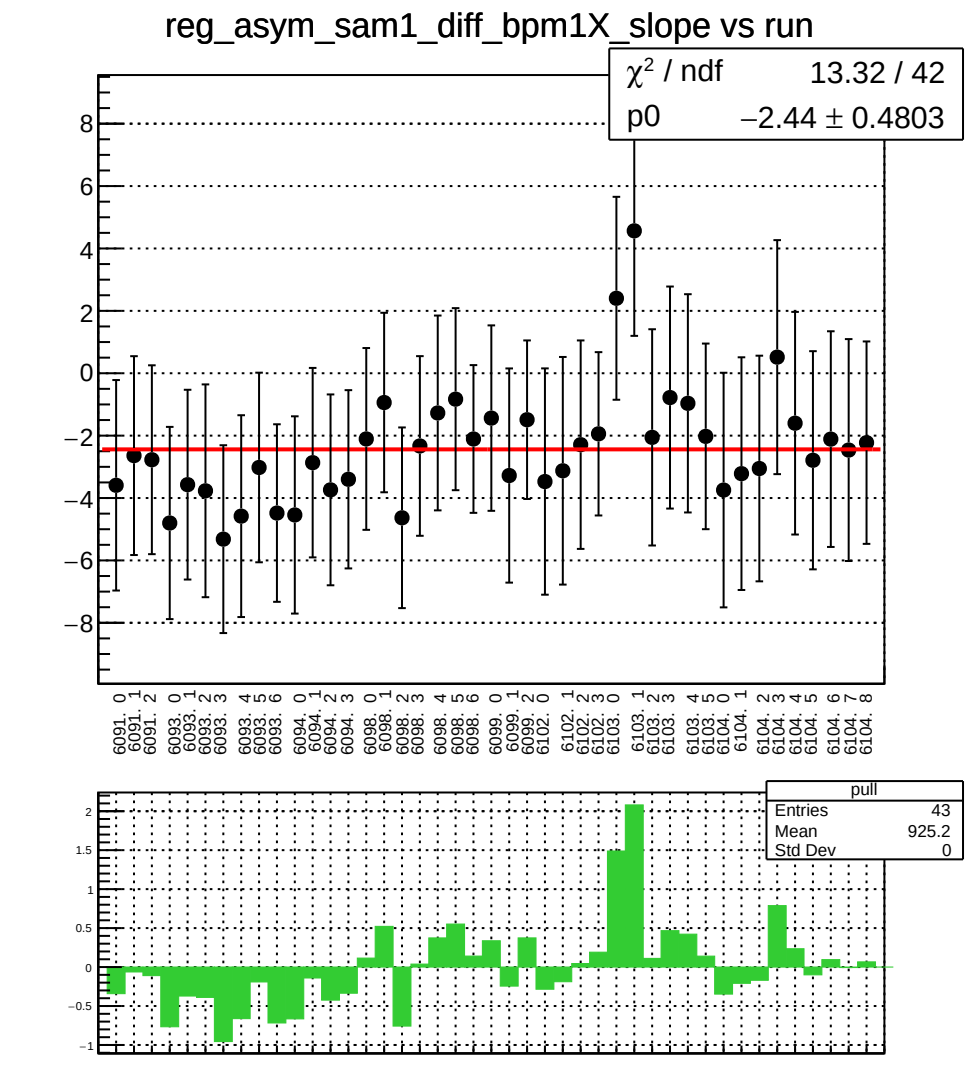

asym_sam_12345678_avg_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 50.43 / 42
p0 0.04781± 0.04601
pull
Entries 43
Mean −3.043
Std Dev 0
pull1D
Entries 43
Mean −0.04114
Std Dev 1.082

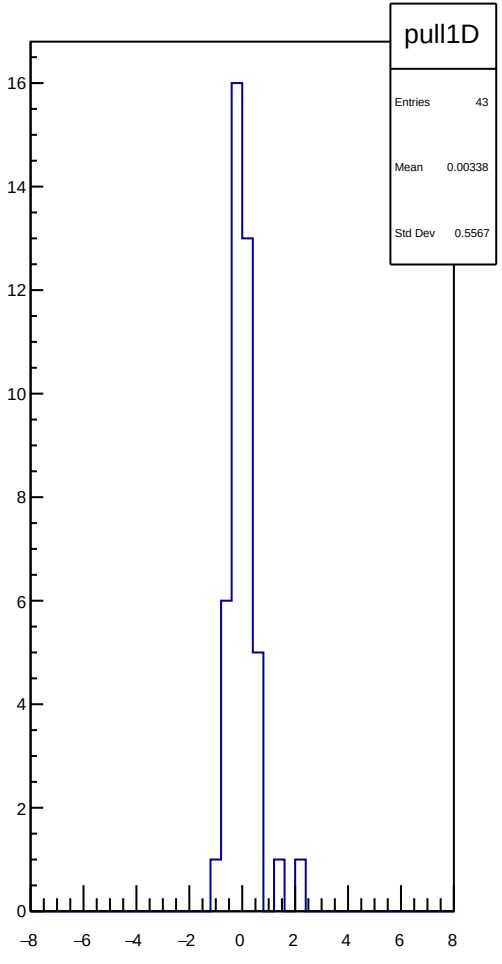

asym_sam_12345678_avg_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 3.512e+04 / 42
p0 28.96 ± 0.03253
70
60
50
40
30
20
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

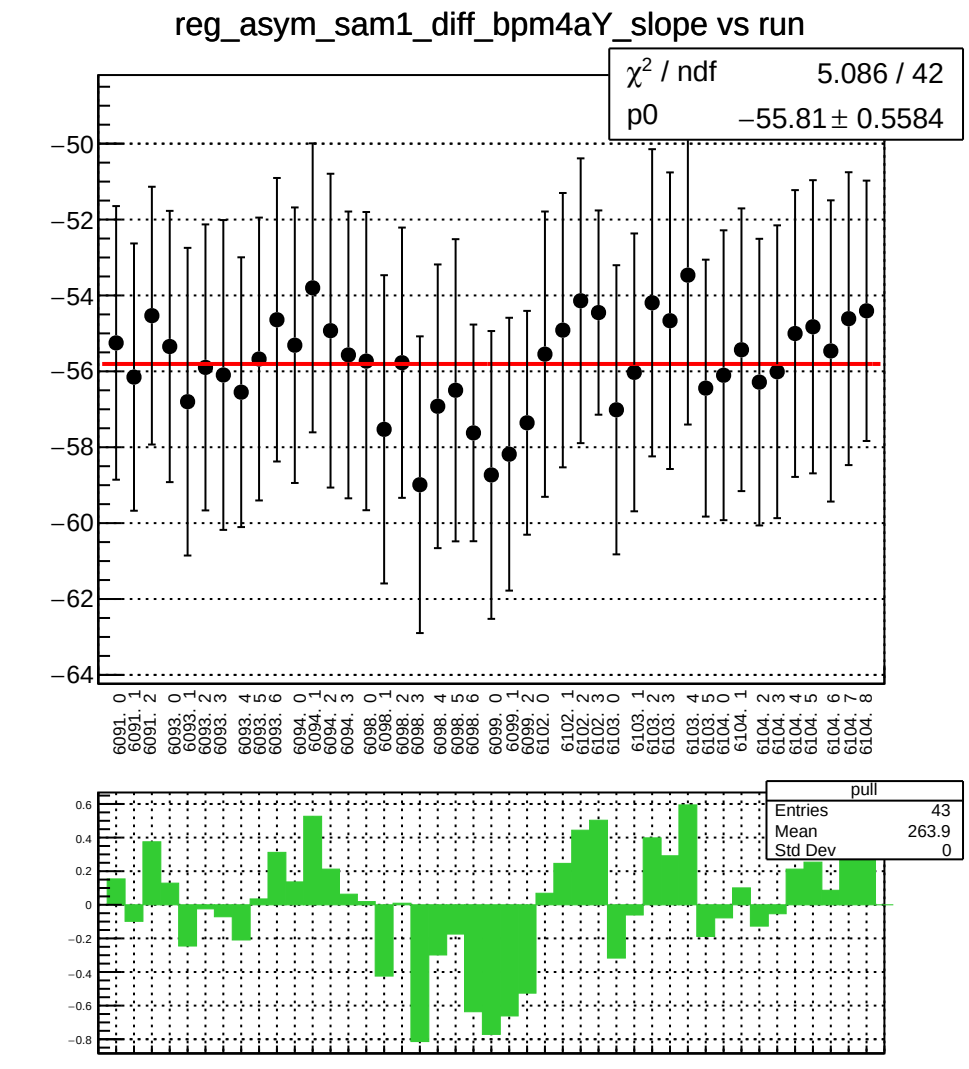

asym_sam_12345678_avg_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 47.39 / 42
p0 −5.026e−14 ± 4.759e−14
pull
Entries 43
Mean 66.51
Std Dev 0

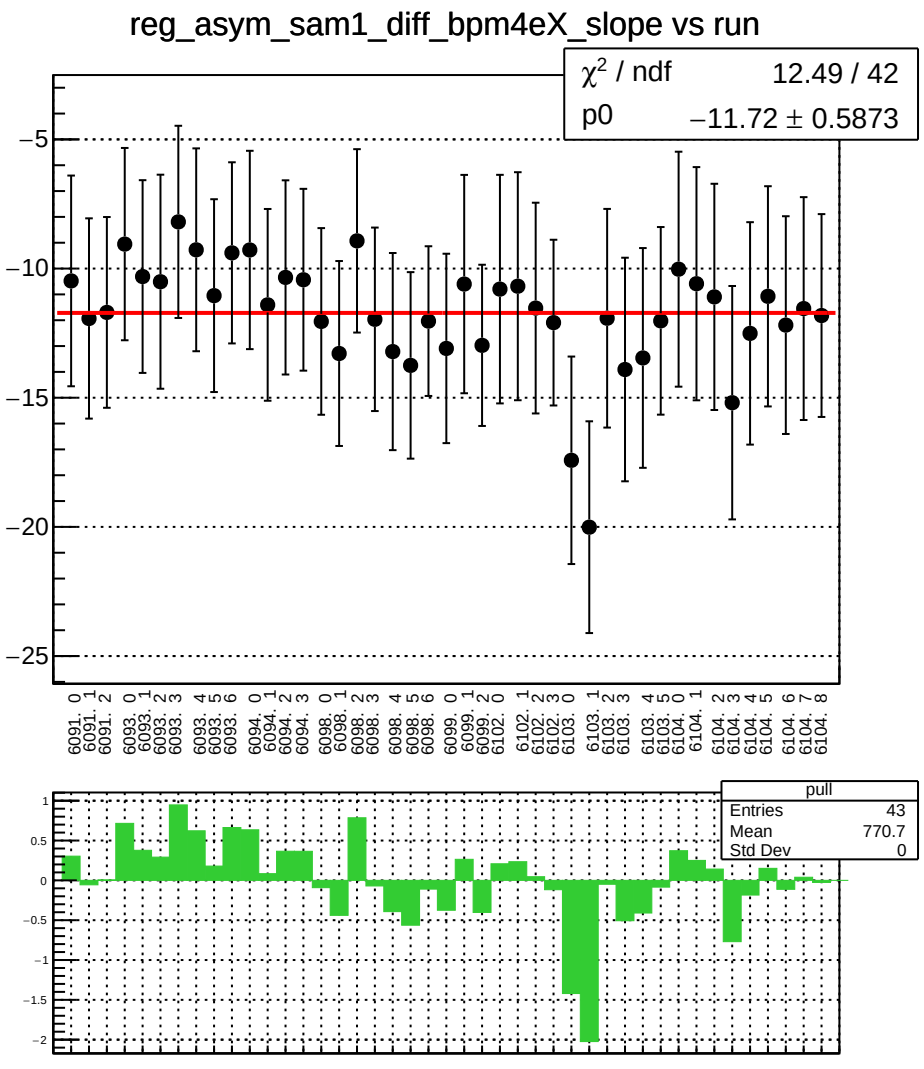

pull1D
Entries 43
Mean 0.07268
Std Dev 1.047

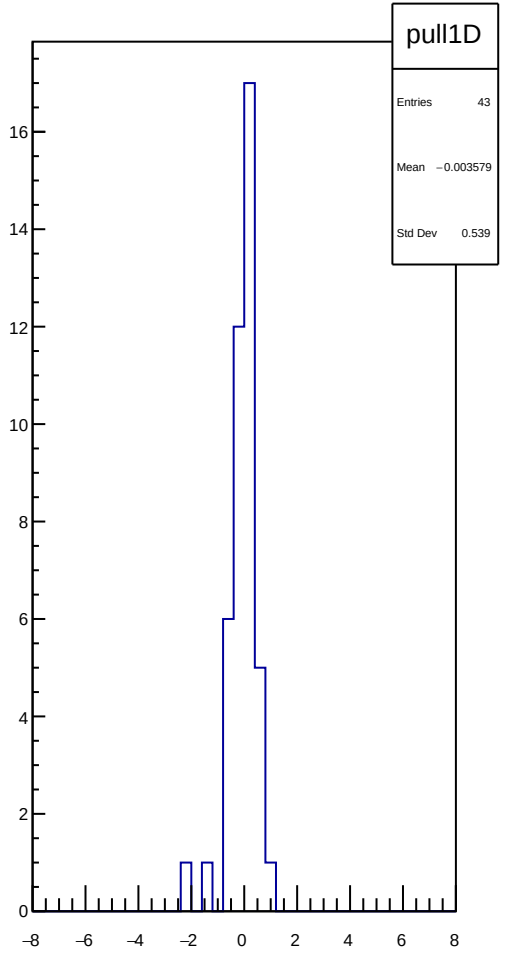

asym_sam_12345678_avg_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 2.398e+05 / 42
p0 2.58e−11 ± 3.365e−14
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

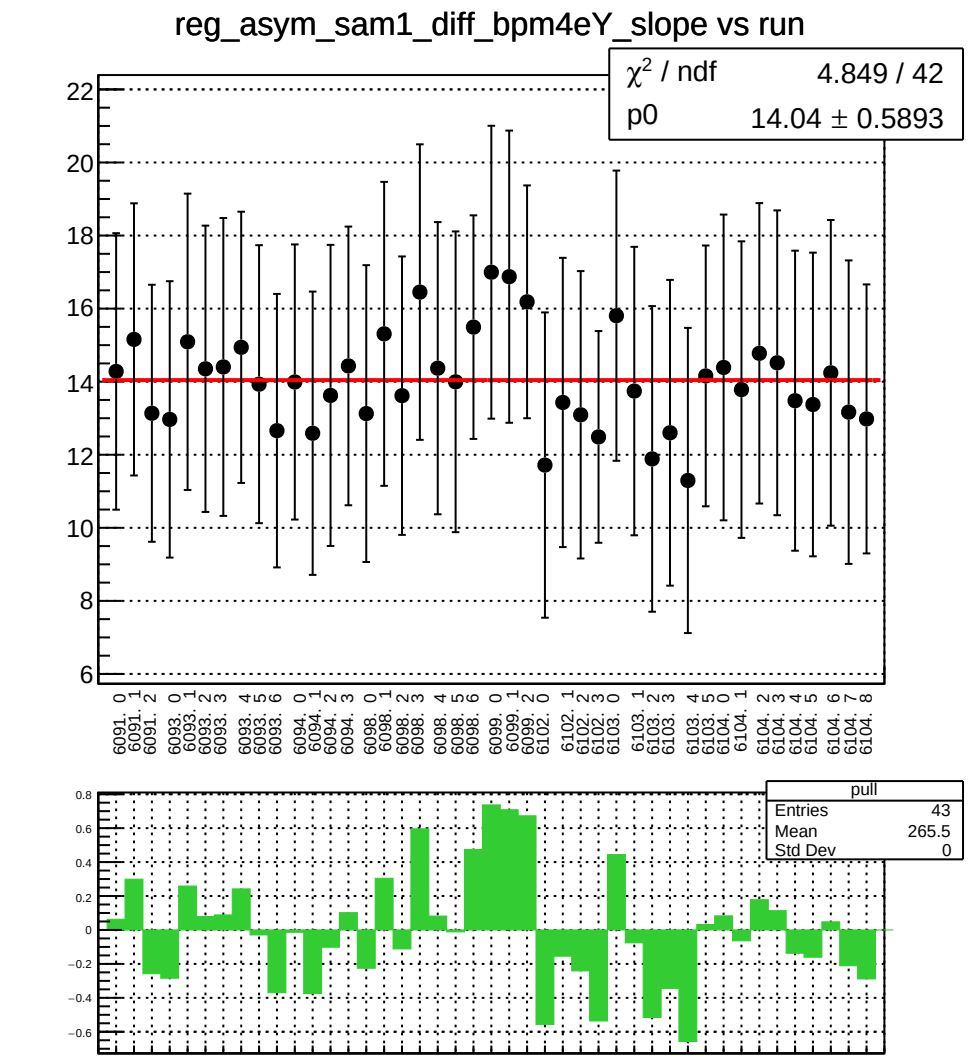

reg_asym_sam1_diff_bpm1X_slope vs run
χ² / ndf 13.32 / 42
p0 −2.44 ± 0.4803
pull
Entries 43
Mean 925.2
Std Dev 0

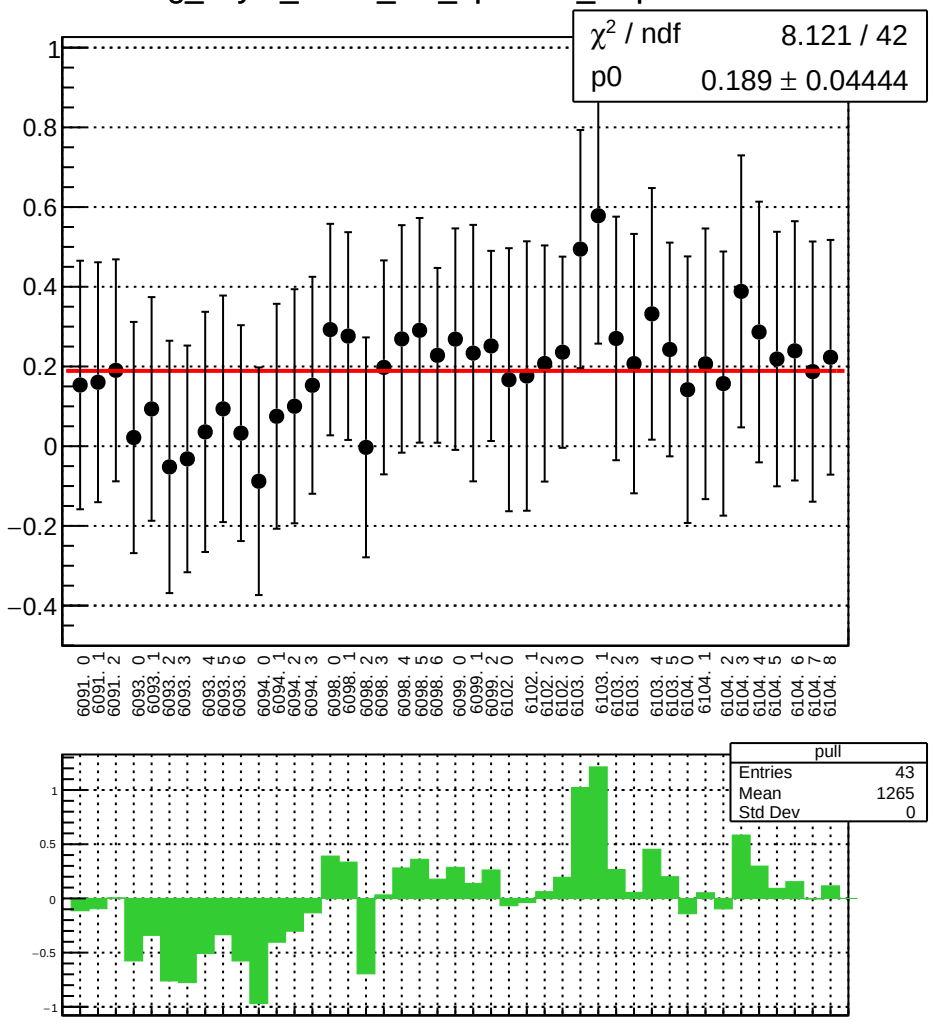

pull1D
Entries 43
Mean 0.00338
Std Dev 0.5567

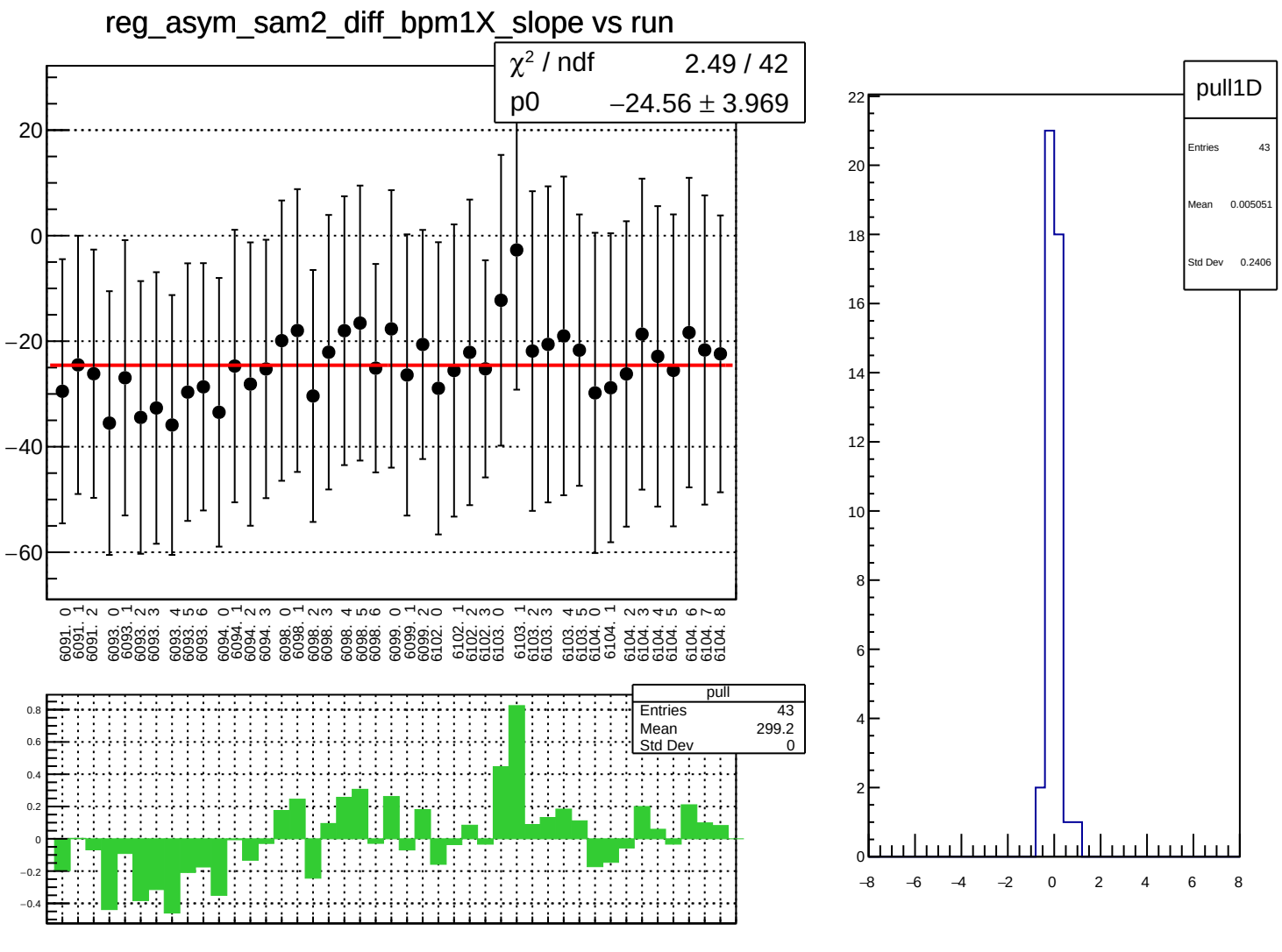

reg_asym_sam1_diff_bpm4aY_slope vs run
χ² / ndf 5.086 / 42
p0 −55.81 ± 0.5584
pull
Entries 43
Mean 263.9
Std Dev 0
pull1D
Entries 43
Mean 0.002589
Std Dev 0.3439

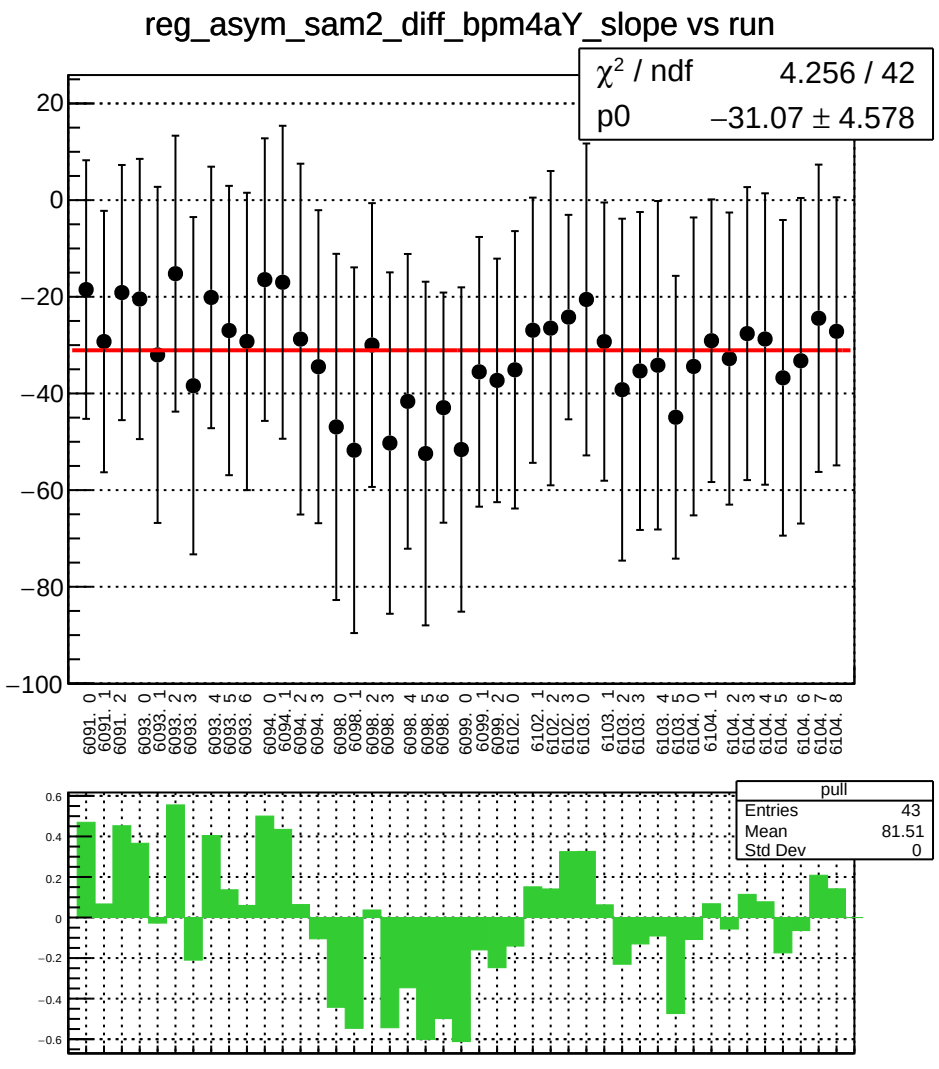

reg_asym_sam1_diff_bpm4eX_slope vs run
χ² / ndf 12.49 / 42
p0 −11.72 ± 0.5873
−5
−10
−15
−20
−25
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 770.7
Std Dev 0
1
0.5
0
−0.5
−1
−1.5
−2

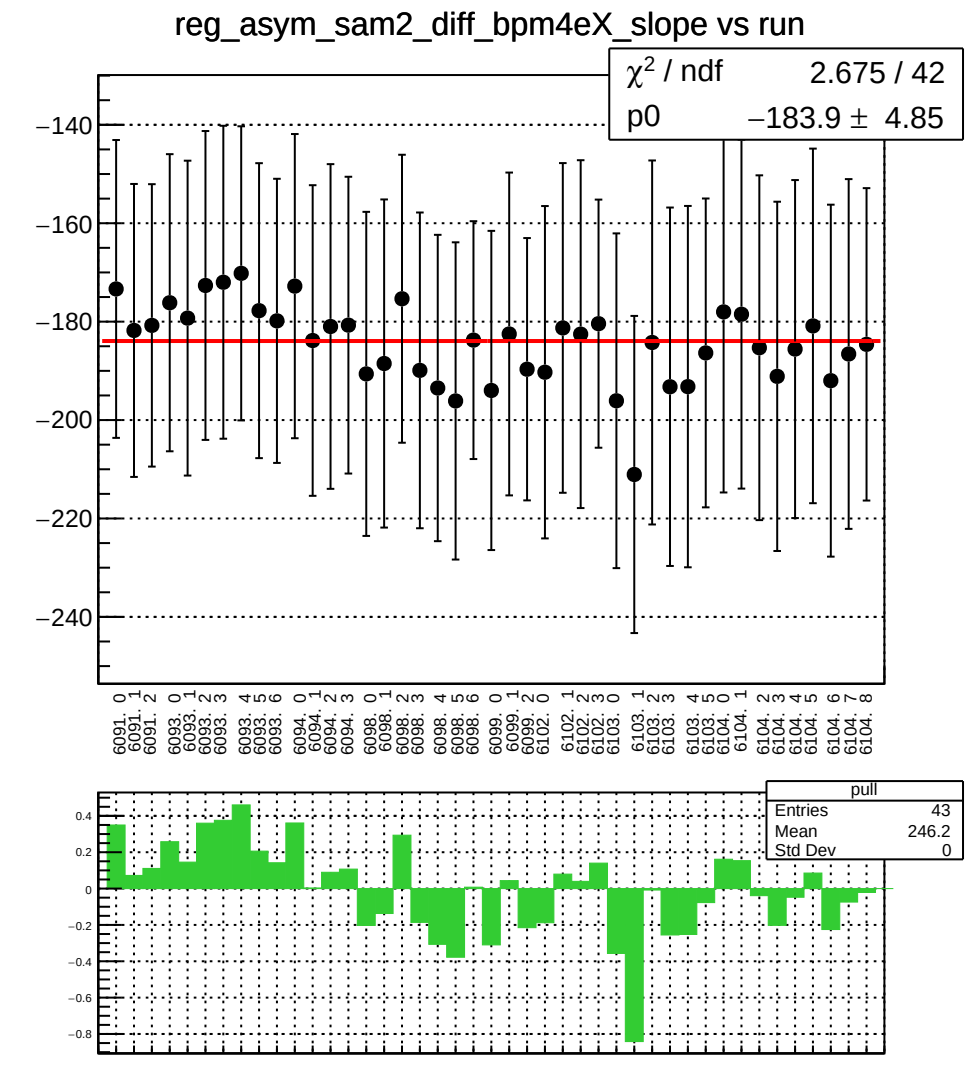

pull1D
Entries 43
Mean −0.003579
Std Dev 0.539
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

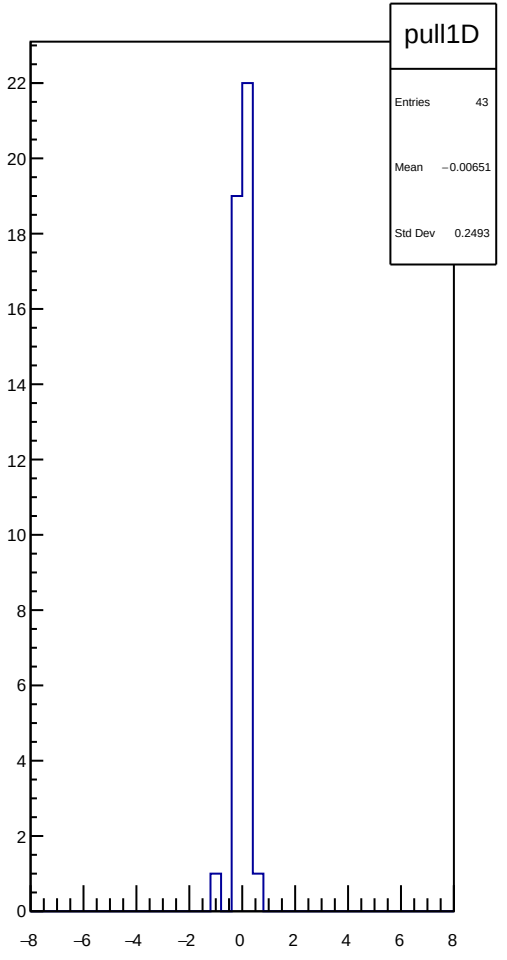

reg_asym_sam1_diff_bpm4eY_slope vs run
χ² / ndf 4.849 / 42
p0 14.04 ± 0.5893
pull
Entries 43
Mean 265.5
Std Dev 0
pull1D
Entries 43
Mean −0.002729
Std Dev 0.3358

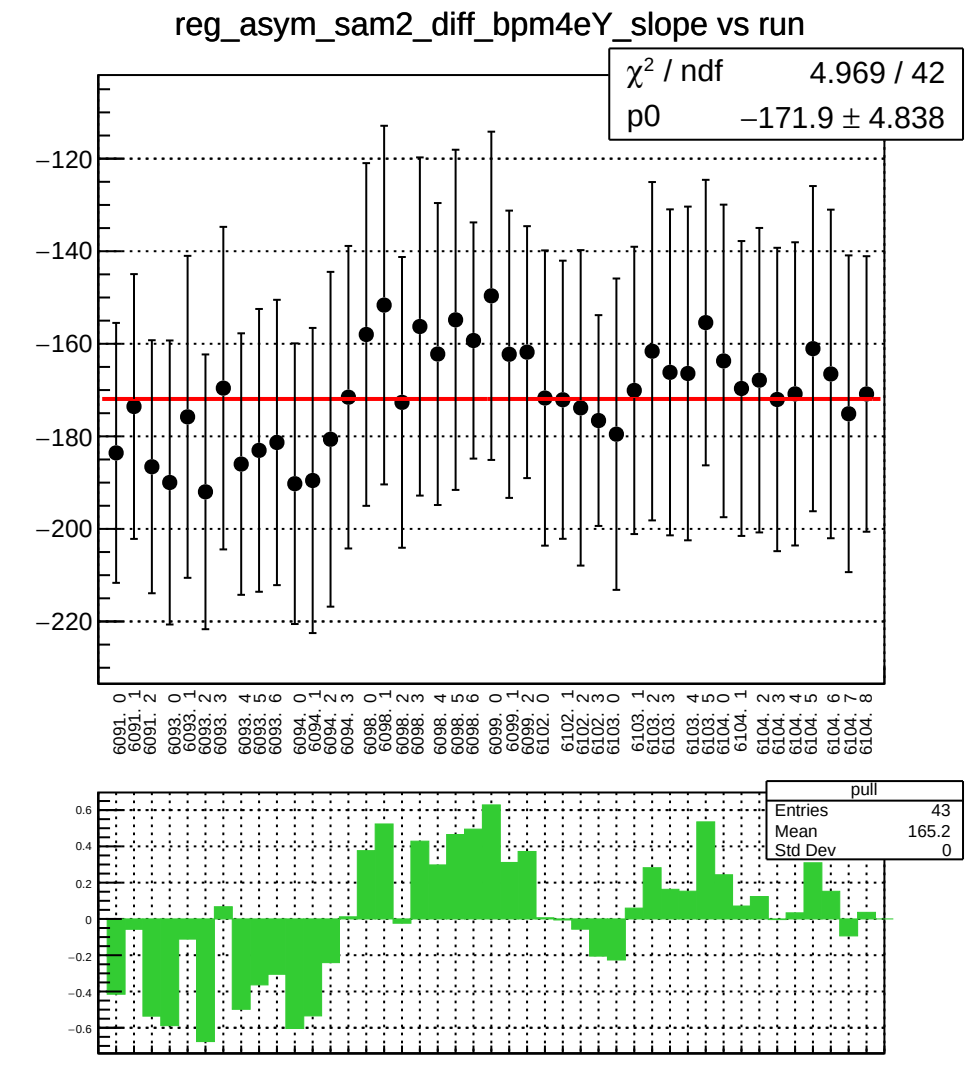

reg_asym_sam1_diff_bpm12X_slope vs run
χ² / ndf 8.121 / 42
p0 0.189 ± 0.04444
pull
Entries 43
Mean 1265
Std Dev 0
pull1D
Entries 43
Mean 0.002351
Std Dev 0.4346

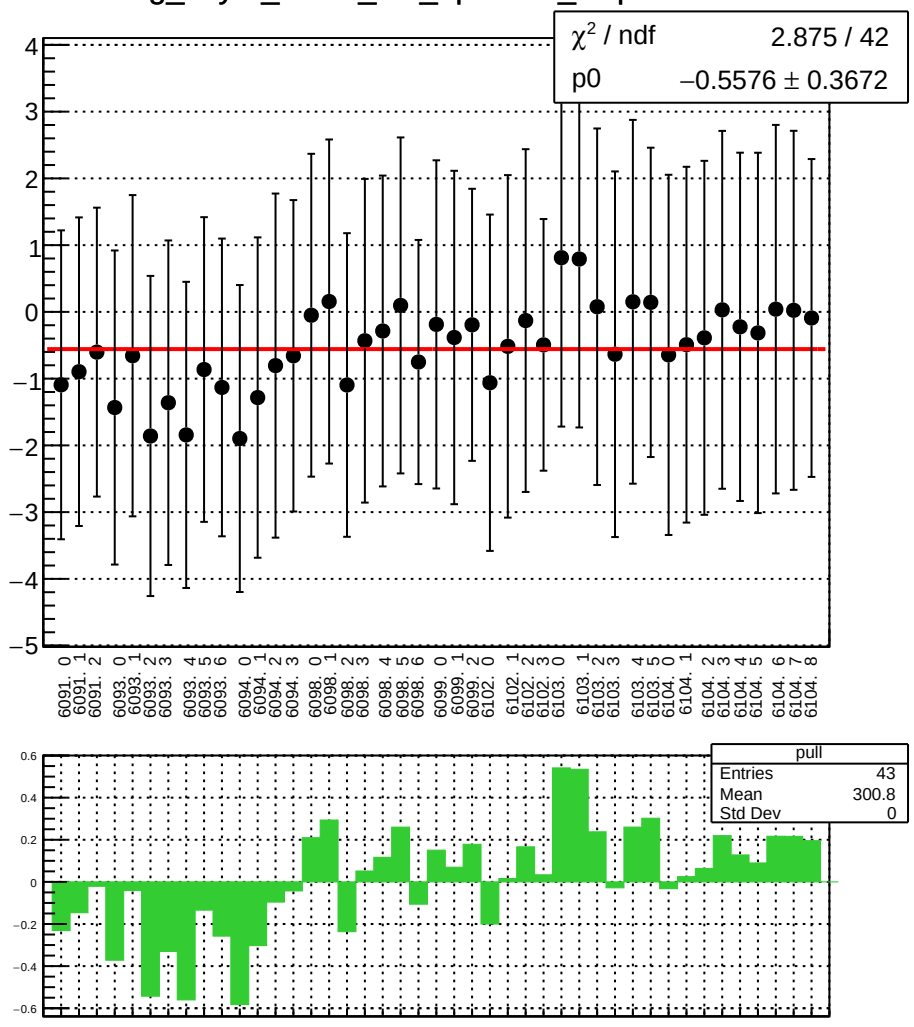

reg_asym_sam2_diff_bpm1X_slope vs run
χ² / ndf 2.49 / 42
p0 −24.56 ± 3.969
20
0
−20
−40
−60
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 299.2
Std Dev 0
0.8
0.6
0.4
0.2
0
−0.2
−0.4
pull1D
Entries 43
Mean 0.005051
Std Dev 0.2406
22
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

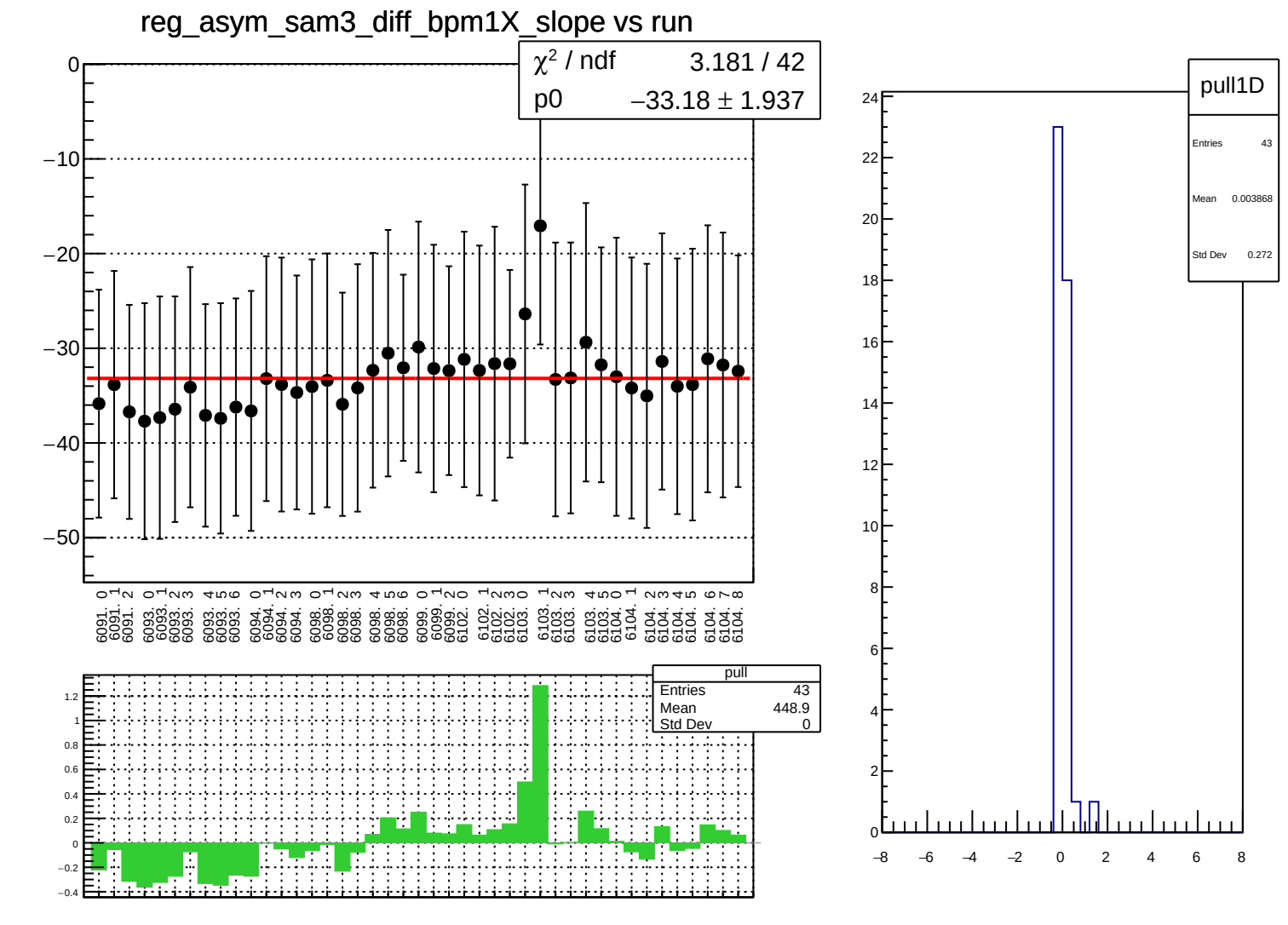

reg_asym_sam2_diff_bpm4aY_slope vs run
χ² / ndf 4.256 / 42
p0 −31.07 ± 4.578
20
0
−20
−40
−60
−80
−100
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 81.51
Std Dev 0
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
pull1D
Entries 43
Mean −0.01503
Std Dev 0.3142
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

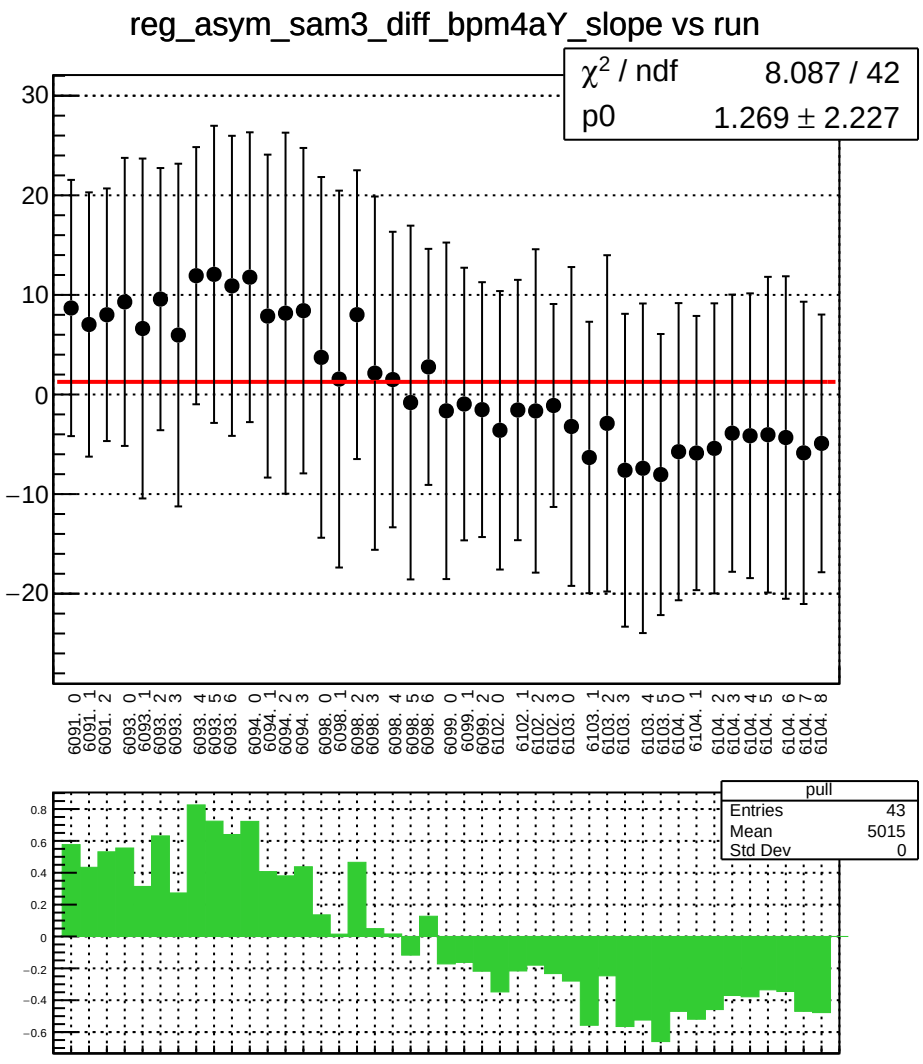

reg_asym_sam2_diff_bpm4eX_slope vs run
χ² / ndf 2.675 / 42
p0 −183.9 ± 4.85
−140
−160
−180
−200
−220
−240
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 246.2
Std Dev 0
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8

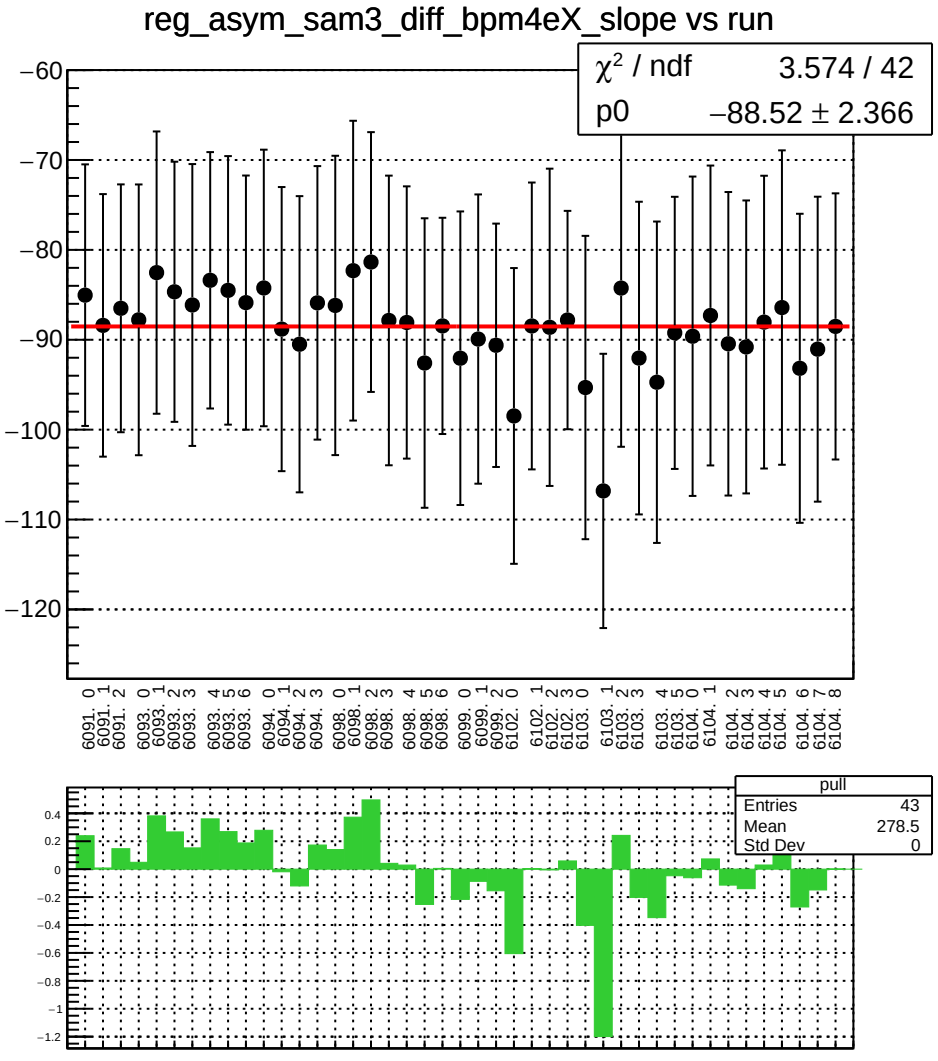

pull1D
Entries 43
Mean −0.00651
Std Dev 0.2493
22
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

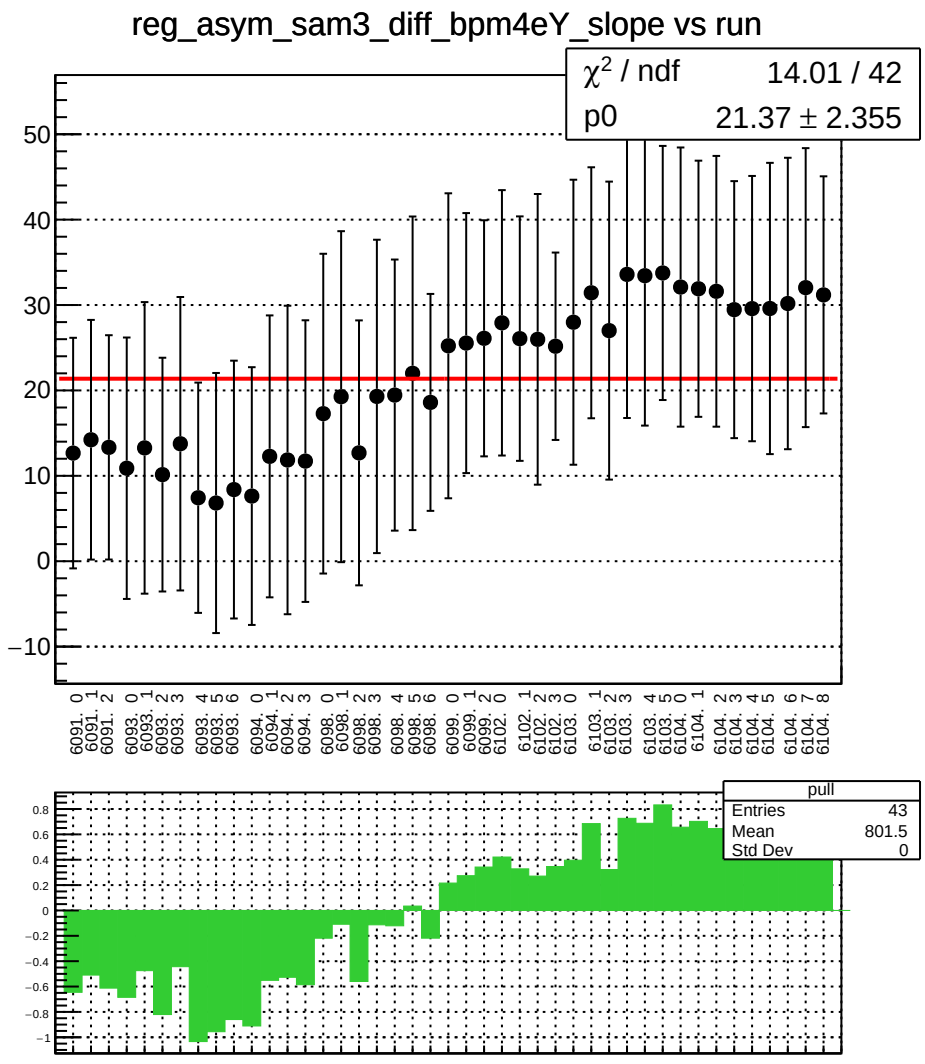

reg_asym_sam2_diff_bpm4eY_slope vs run
χ² / ndf 4.969 / 42
p0 −171.9 ± 4.838
−120
−140
−160
−180
−200
−220
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 165.2
Std Dev 0
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
pull1D
Entries 43
Mean 0.01402
Std Dev 0.3396
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

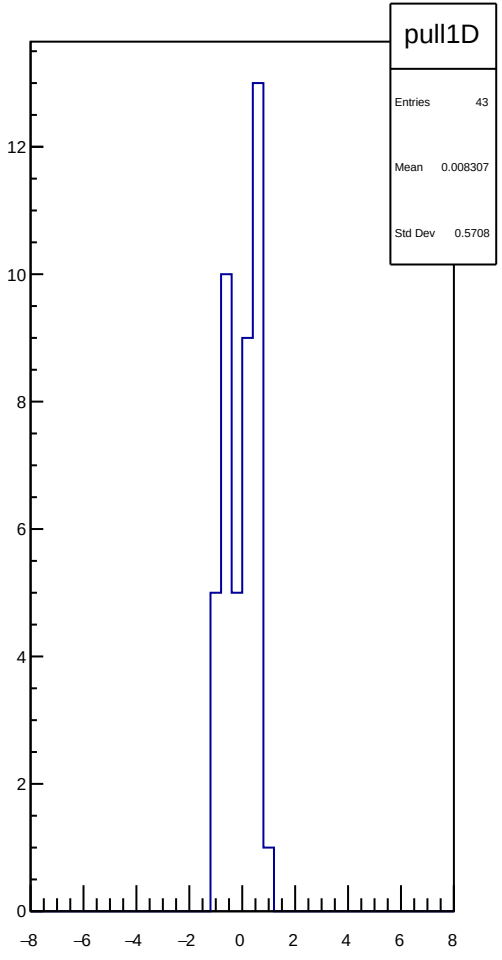

reg_asym_sam2_diff_bpm12X_slope vs run
χ² / ndf 2.875 / 42
p0 −0.5576 ± 0.3672
pull
Entries 43
Mean 300.8
Std Dev 0
pull1D
Entries 43
Mean 0.007294
Std Dev 0.2585

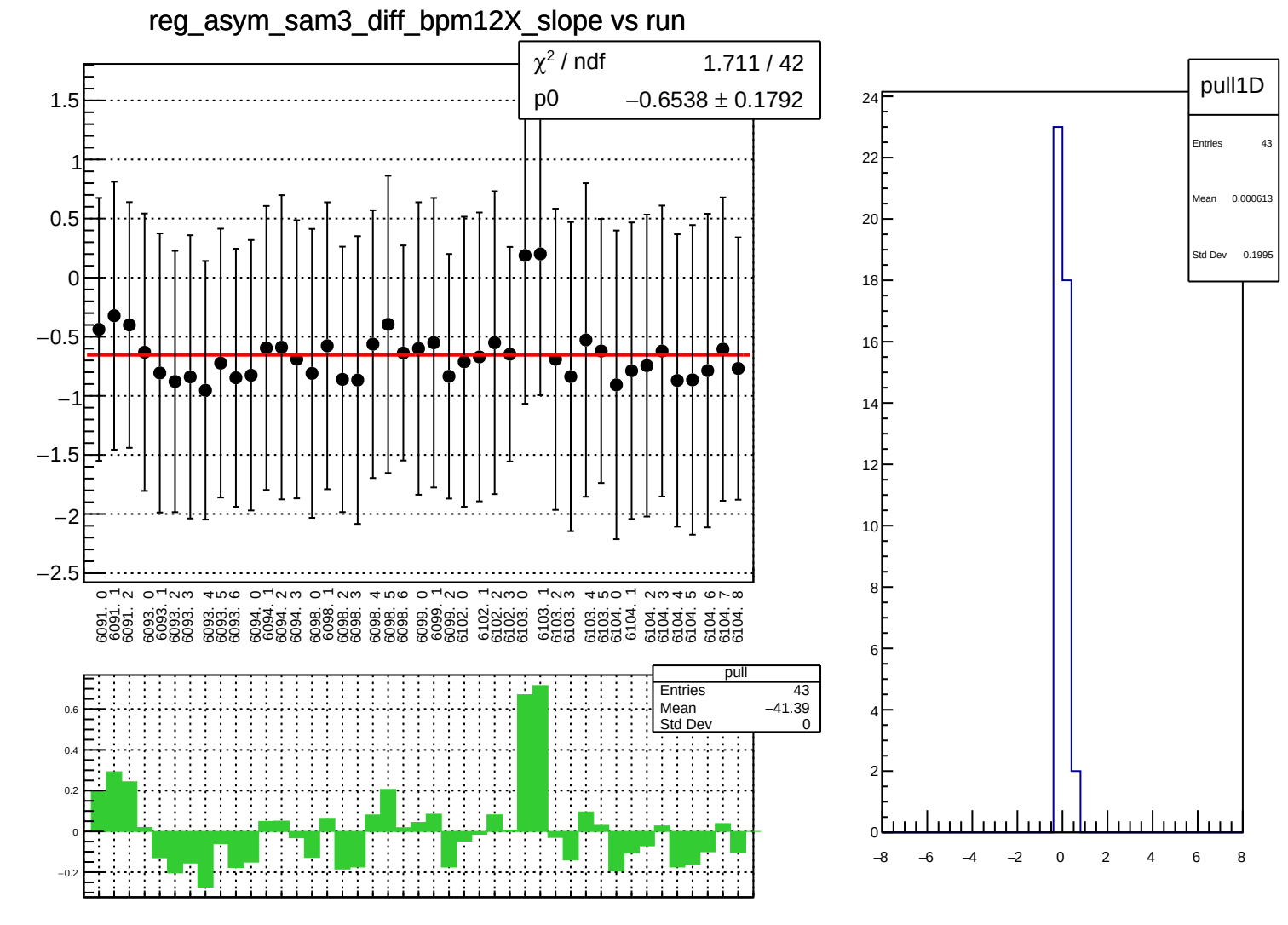

reg_asym_sam3_diff_bpm1X_slope vs run
χ² / ndf 3.181 / 42
p0 −33.18 ± 1.937
0
−10
−20
−30
−40
−50
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 448.9
Std Dev 0
1.2
1
0.8
0.6
0.4
0.2
0
−0.2
−0.4
pull1D
Entries 43
Mean 0.003868
Std Dev 0.272
24
22
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

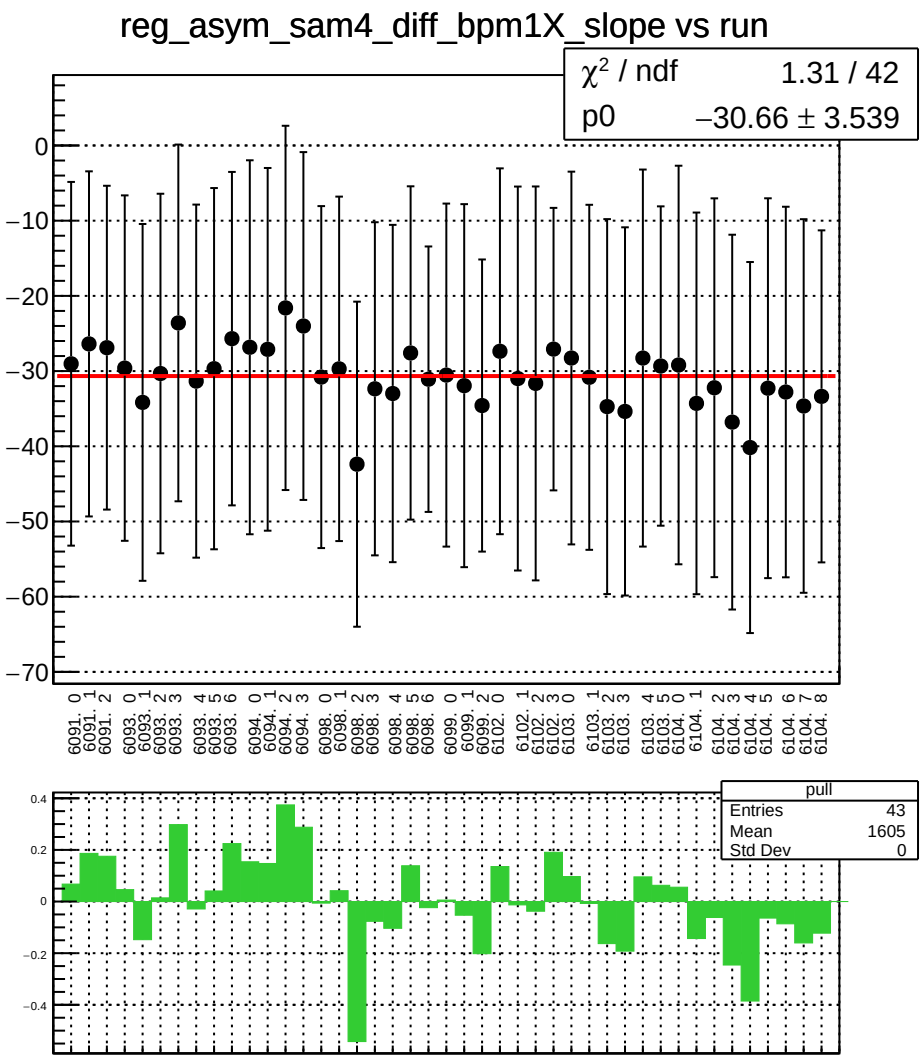

reg_asym_sam3_diff_bpm4aY_slope vs run
χ² / ndf 8.087 / 42
p0 1.269 ± 2.227
30
20
10
0
−10
−20
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 5015
Std Dev 0
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
pull1D
Entries 43
Mean −0.0009728
Std Dev 0.4337
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

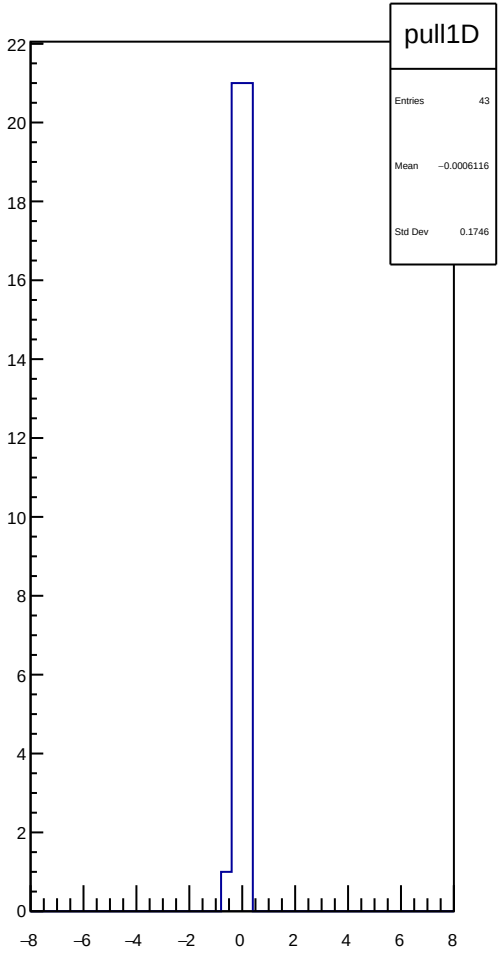

reg_asym_sam3_diff_bpm4eX_slope vs run
χ² / ndf 3.574 / 42
p0 −88.52 ± 2.366
−60
−70
−80
−90
−100
−110
−120
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 278.5
Std Dev 0
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
−1
−1.2
pull1D
Entries 43
Mean −0.006244
Std Dev 0.2882
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

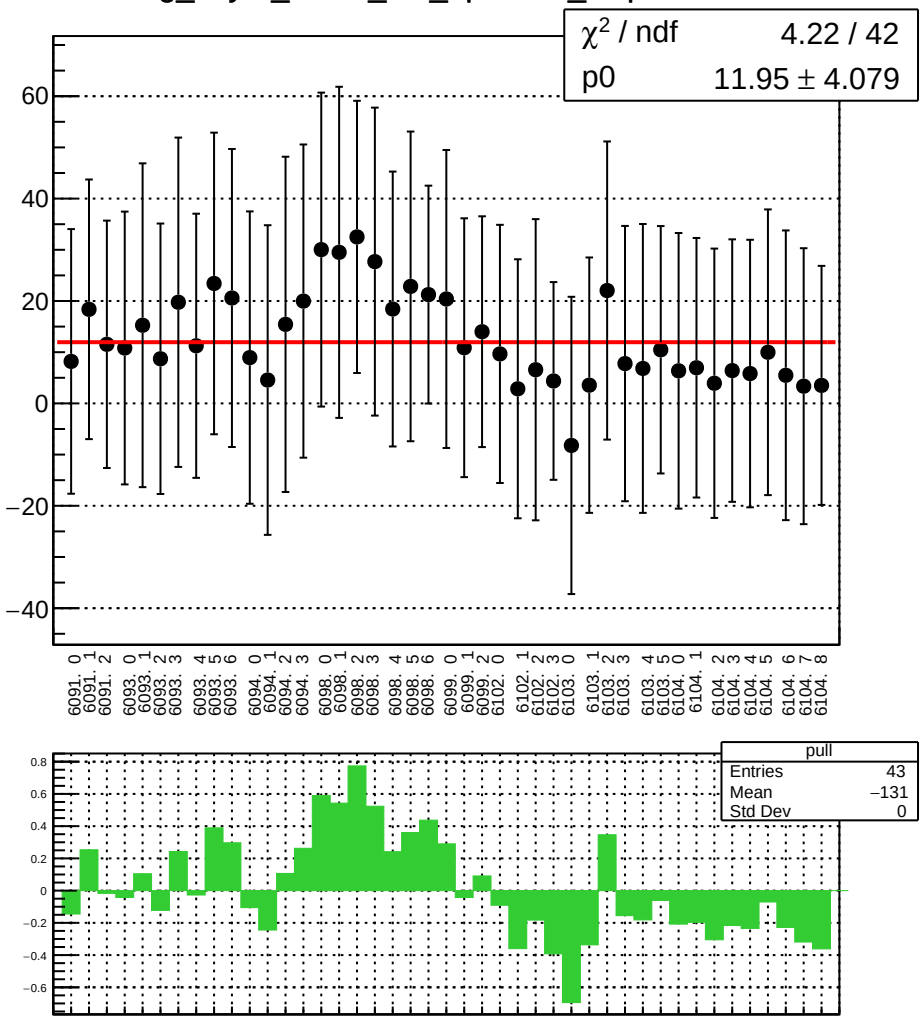

reg_asym_sam3_diff_bpm4eY_slope vs run
χ² / ndf 14.01 / 42
p0 21.37 ± 2.355
pull
Entries 43
Mean 801.5
Std Dev 0

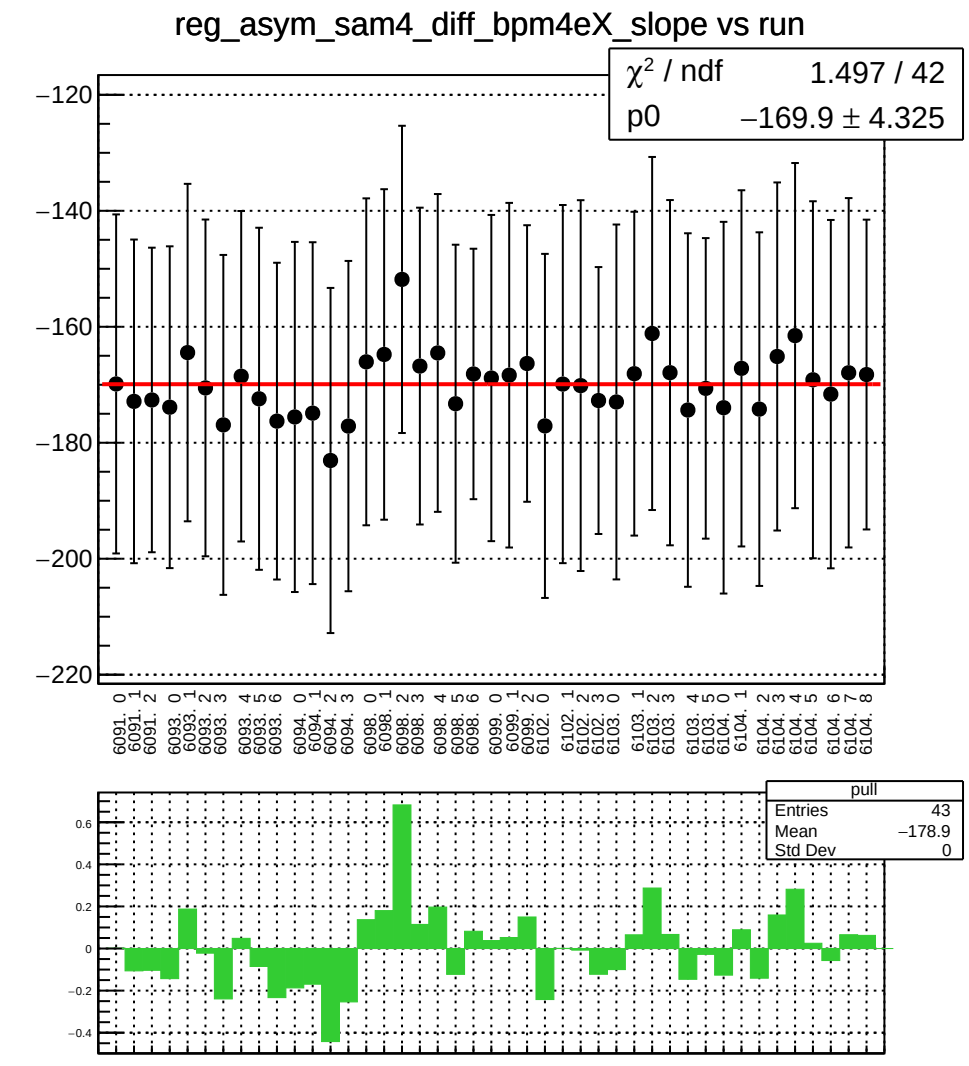

pull1D
Entries 43
Mean 0.008307
Std Dev 0.5708

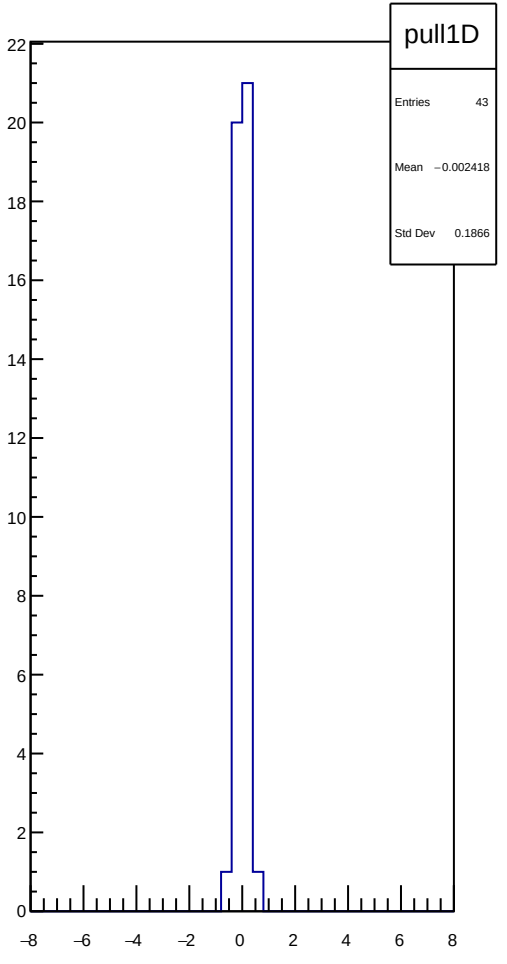

reg_asym_sam3_diff_bpm12X_slope vs run
χ² / ndf 1.711 / 42
p0 −0.6538 ± 0.1792
pull
Entries 43
Mean −41.39
Std Dev 0
pull1D
Entries 43
Mean 0.000613
Std Dev 0.1995

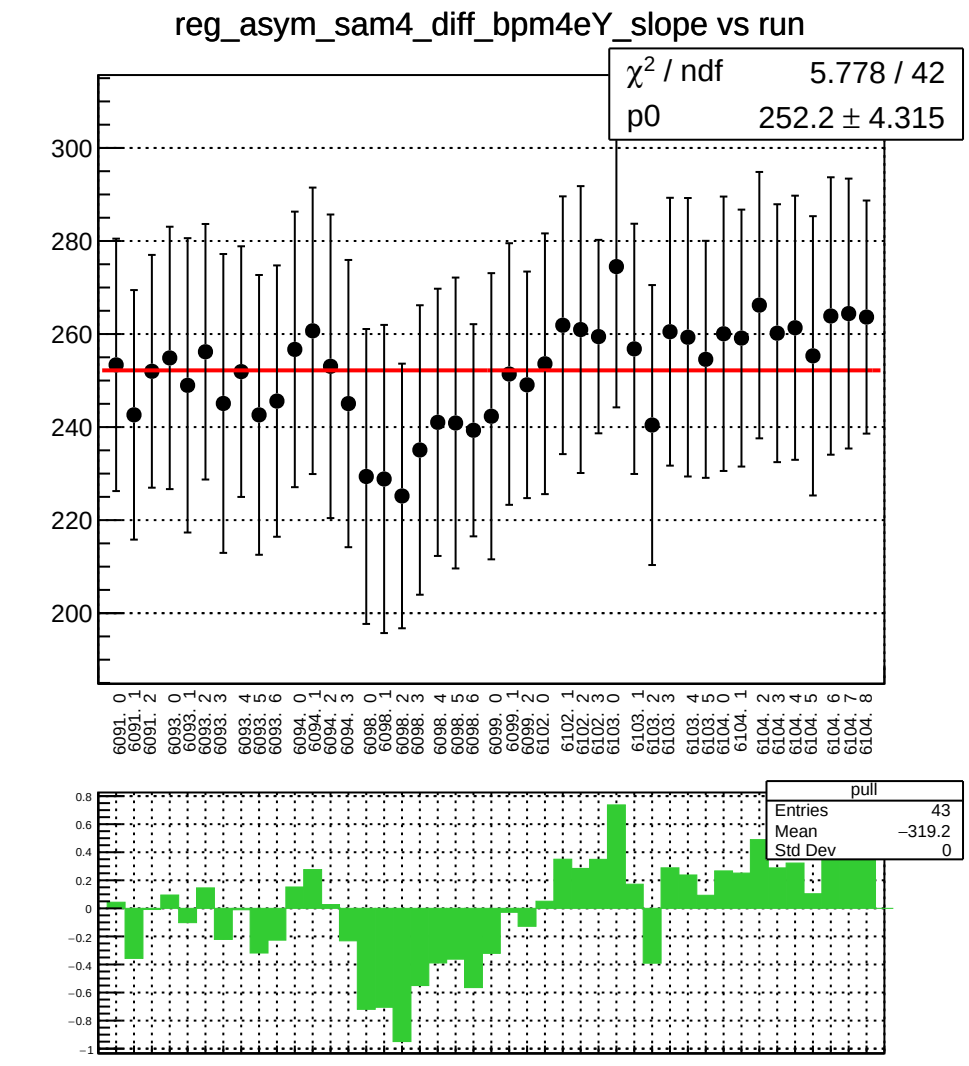

reg_asym_sam4_diff_bpm1X_slope vs run
χ² / ndf 1.31 / 42
p0 −30.66 ± 3.539
pull
Entries 43
Mean 1605
Std Dev 0

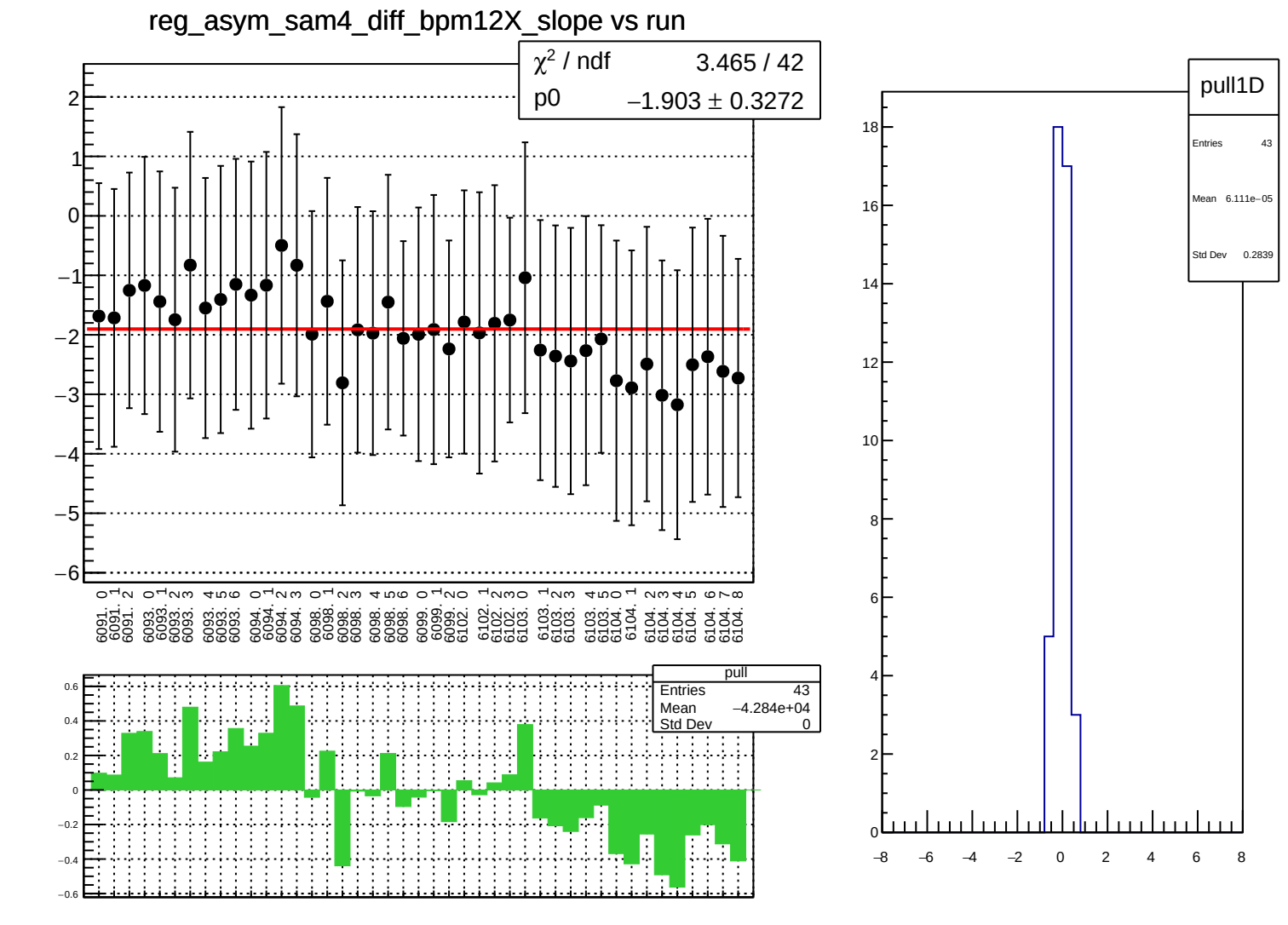

pull1D
Entries 43
Mean −0.0006116
Std Dev 0.1746

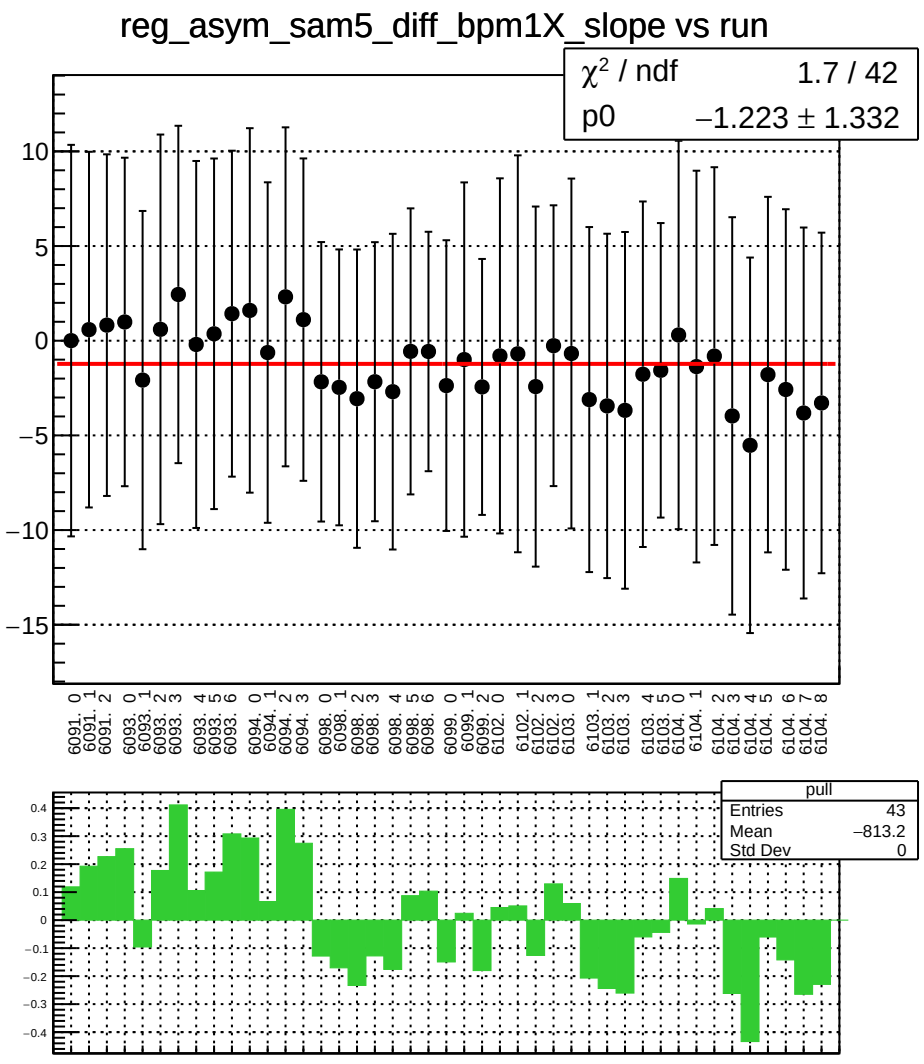

reg_asym_sam4_diff_bpm4aY_slope vs run
χ² / ndf 4.22 / 42
p0 11.95 ± 4.079
pull
Entries 43
Mean −131
Std Dev 0
pull1D
Entries 43
Mean 0.01188
Std Dev 0.313

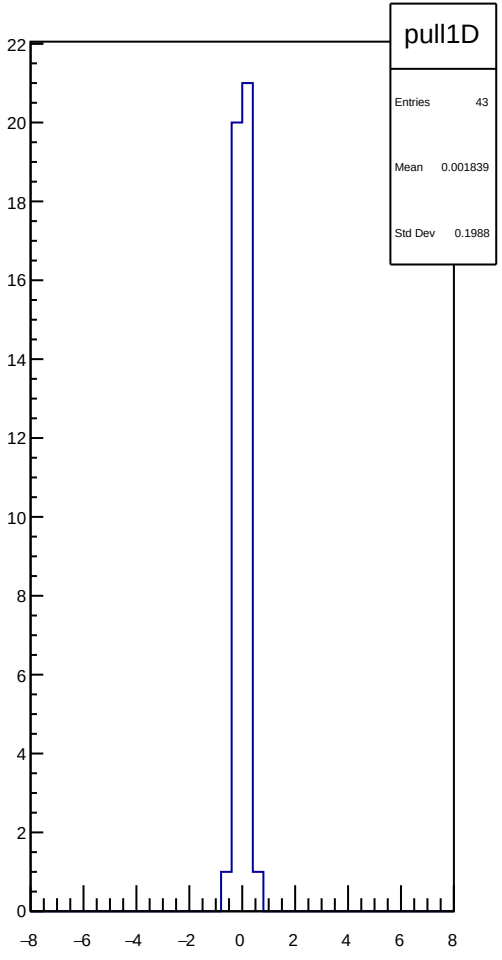

reg_asym_sam4_diff_bpm4eX_slope vs run
χ² / ndf 1.497 / 42
p0 −169.9 ± 4.325
−120
−140
−160
−180
−200
−220
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean −178.9
Std Dev 0
0.6
0.4
0.2
0
−0.2
−0.4

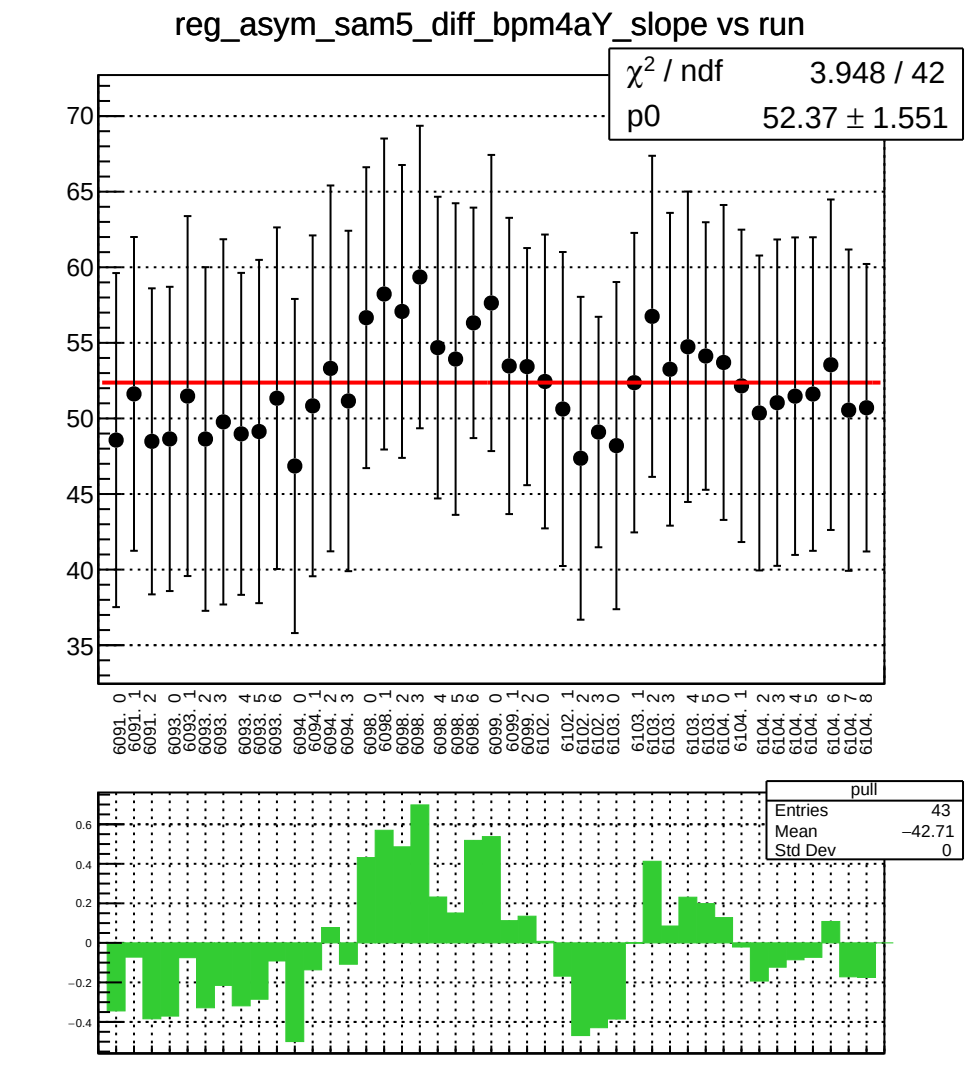

pull1D
Entries 43
Mean −0.002418
Std Dev 0.1866
22
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

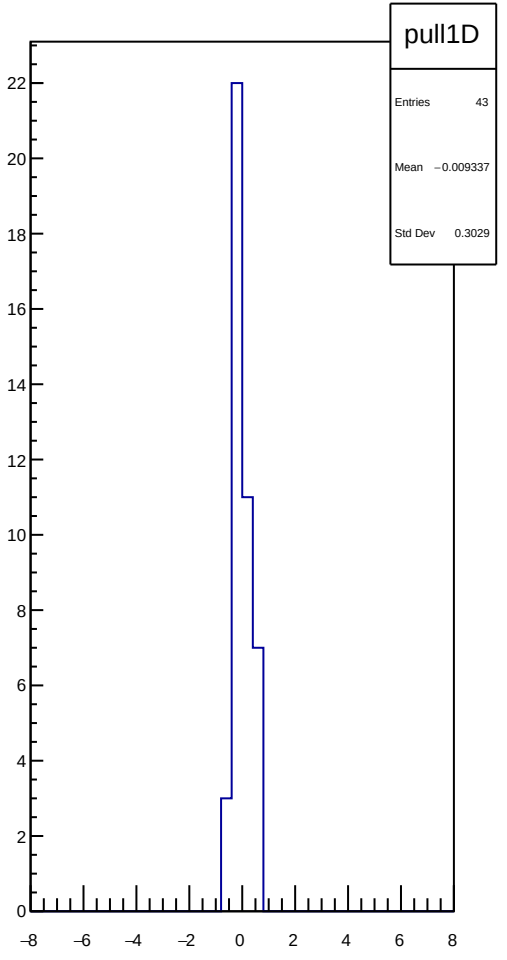

reg_asym_sam4_diff_bpm4eY_slope vs run
χ² / ndf 5.778 / 42
p0 252.2 ± 4.315
300
280
260
240
220
200
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean −319.2
Std Dev 0
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
−1
pull1D
Entries 43
Mean −0.006581
Std Dev 0.3665
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

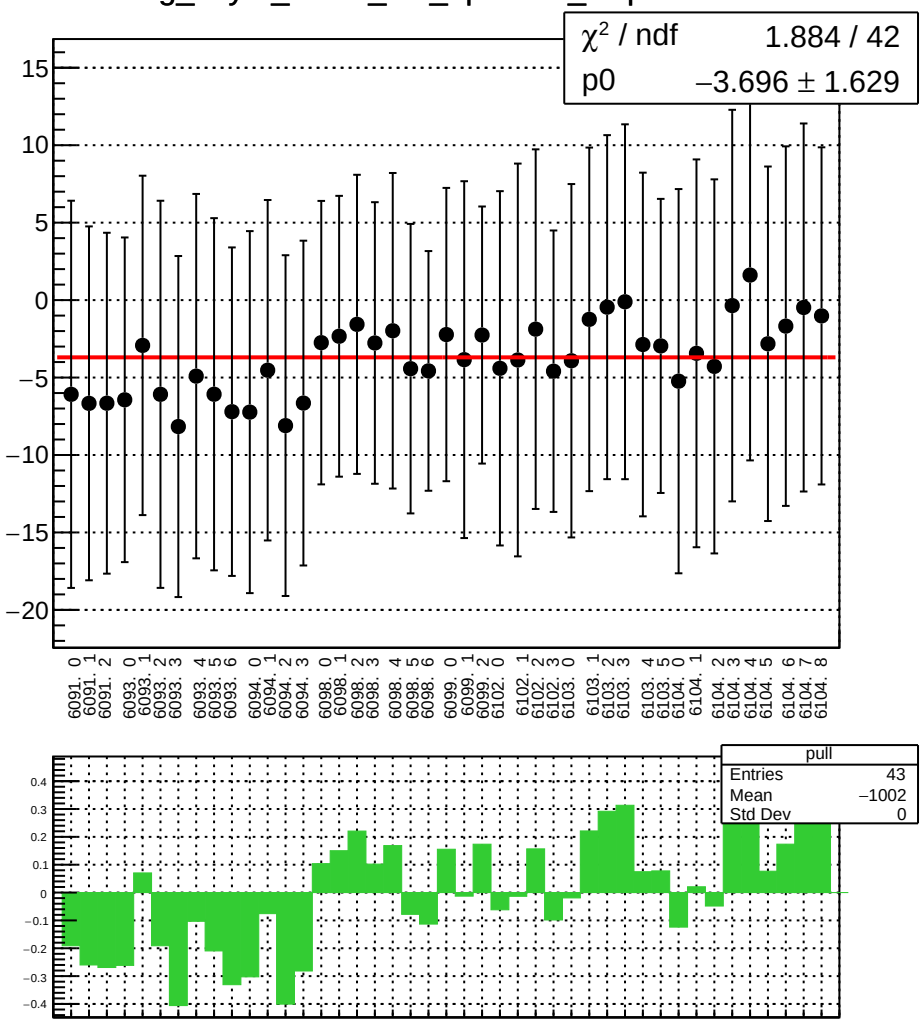

reg_asym_sam4_diff_bpm12X_slope vs run
χ² / ndf 3.465 / 42
p0 −1.903 ± 0.3272
pull
Entries 43
Mean −4.284e+04
Std Dev 0
pull1D
Entries 43
Mean 6.111e−05
Std Dev 0.2839

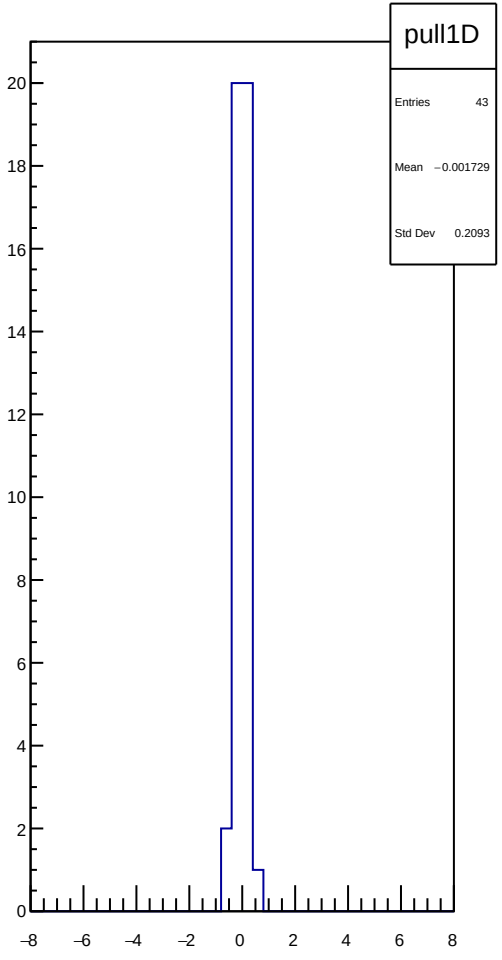

reg_asym_sam5_diff_bpm1X_slope vs run
χ² / ndf 1.7 / 42
p0 −1.223 ± 1.332
10
5
0
−5
−10
−15
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean −813.2
Std Dev 0
0.4
0.3
0.2
0.1
0
−0.1
−0.2
−0.3
−0.4

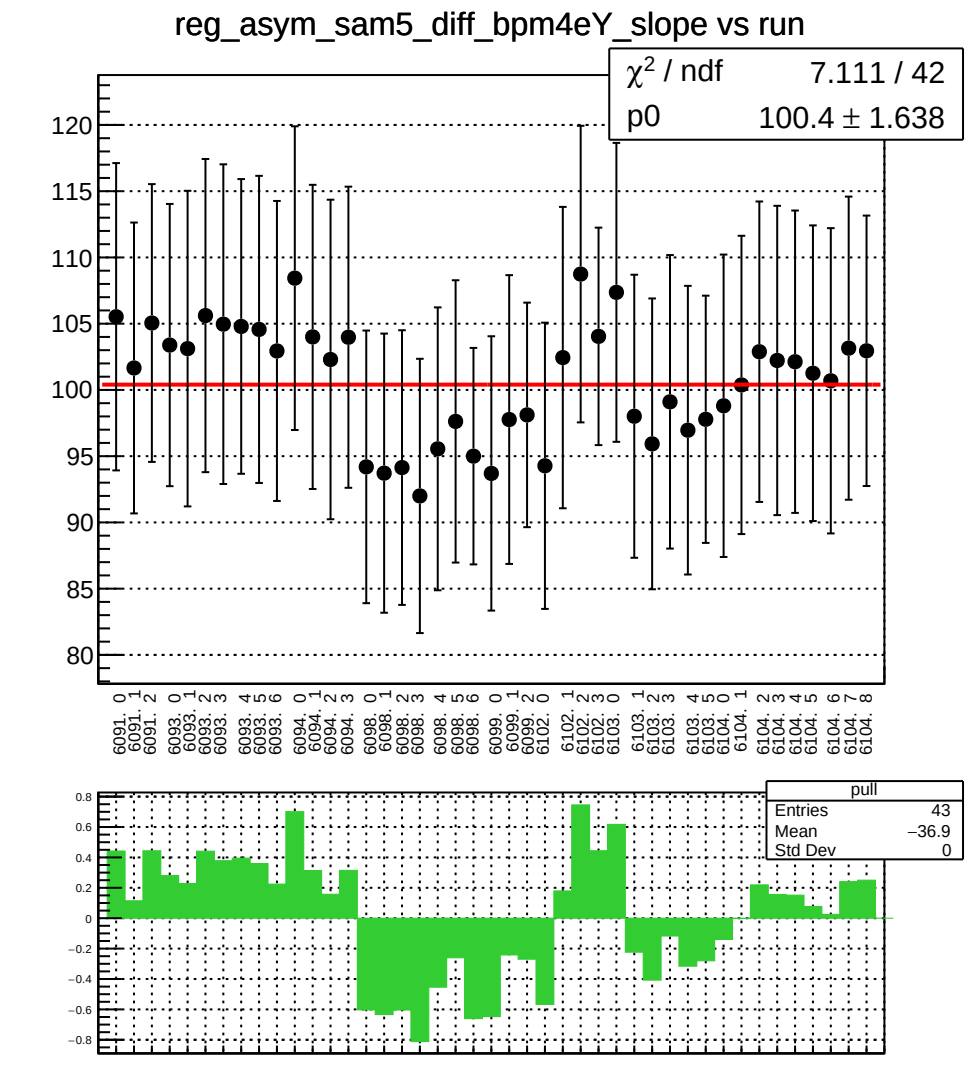

pull1D
Entries 43
Mean 0.001839
Std Dev 0.1988
22
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

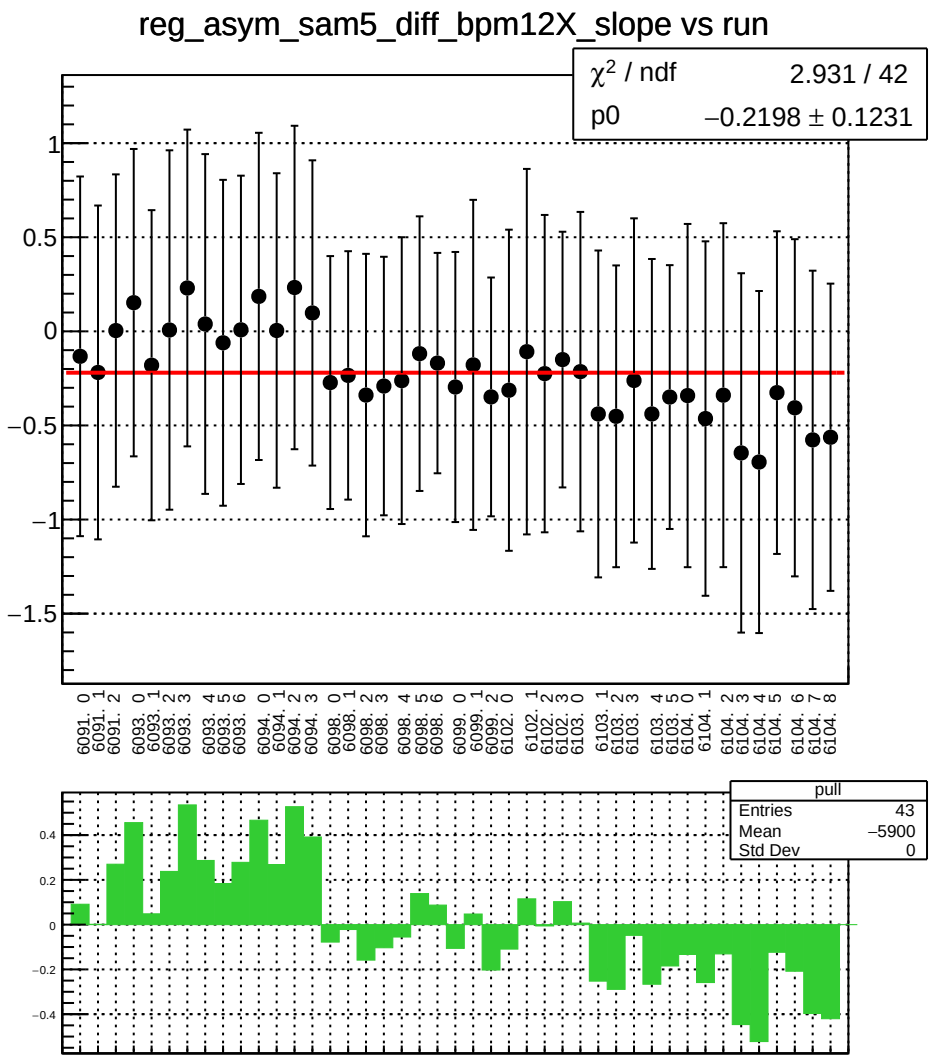

reg_asym_sam5_diff_bpm4aY_slope vs run
χ² / ndf 3.948 / 42
p0 52.37 ± 1.551
70
65
60
55
50
45
40
35
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean −42.71
Std Dev 0
0.6
0.4
0.2
0
−0.2
−0.4

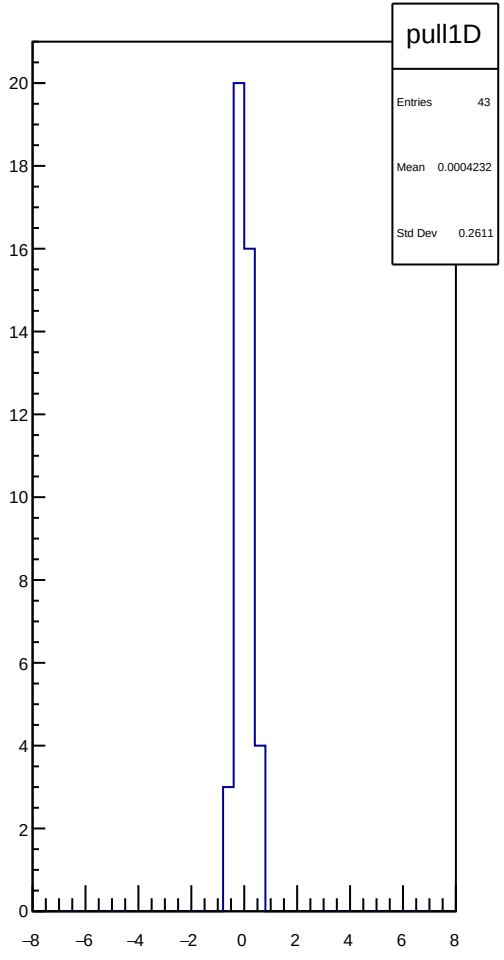

pull1D
Entries 43
Mean −0.009337
Std Dev 0.3029
22
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

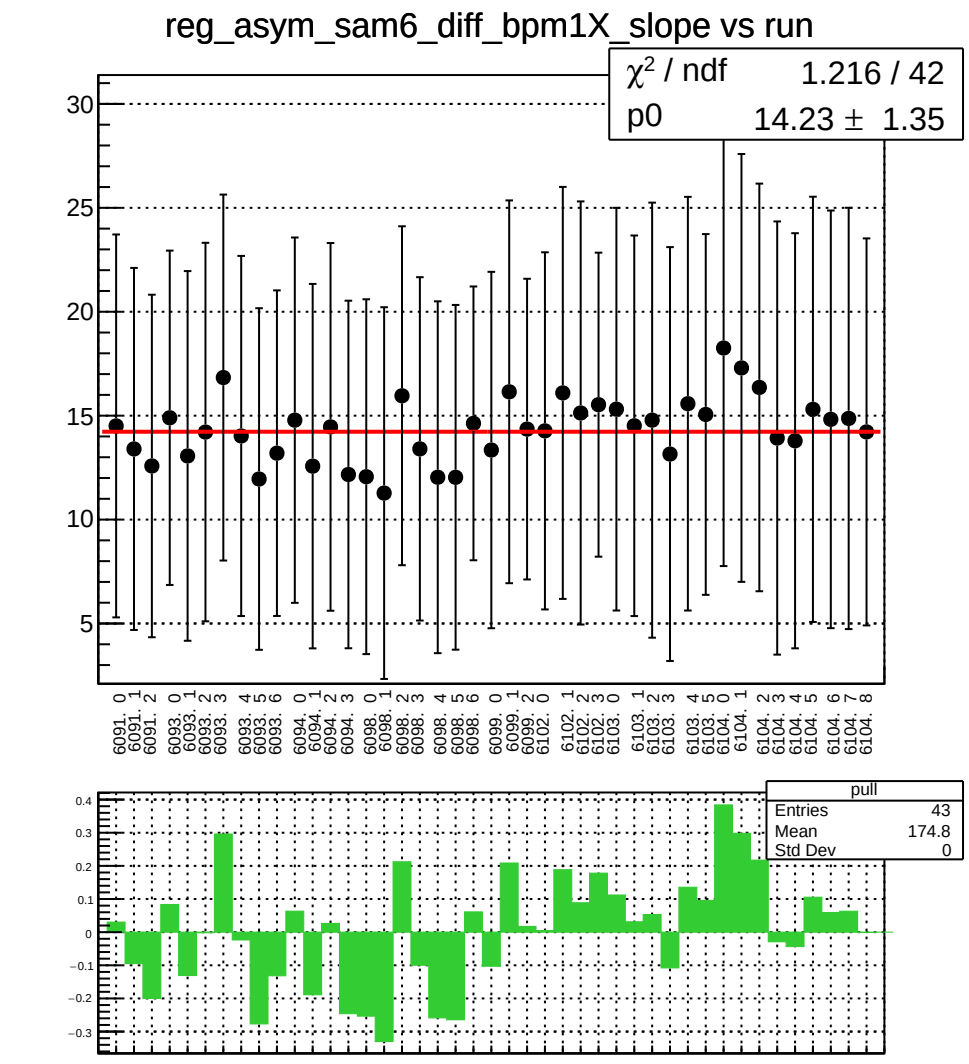

reg_asym_sam5_diff_bpm4eX_slope vs run
χ² / ndf 1.884 / 42
p0 −3.696 ± 1.629
pull
Entries 43
Mean −1002
Std Dev 0

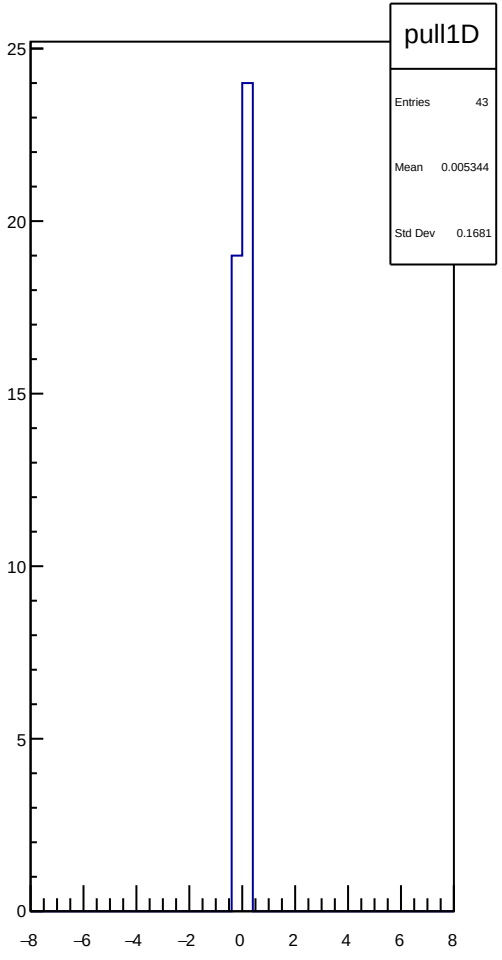

pull1D
Entries 43
Mean −0.001729
Std Dev 0.2093

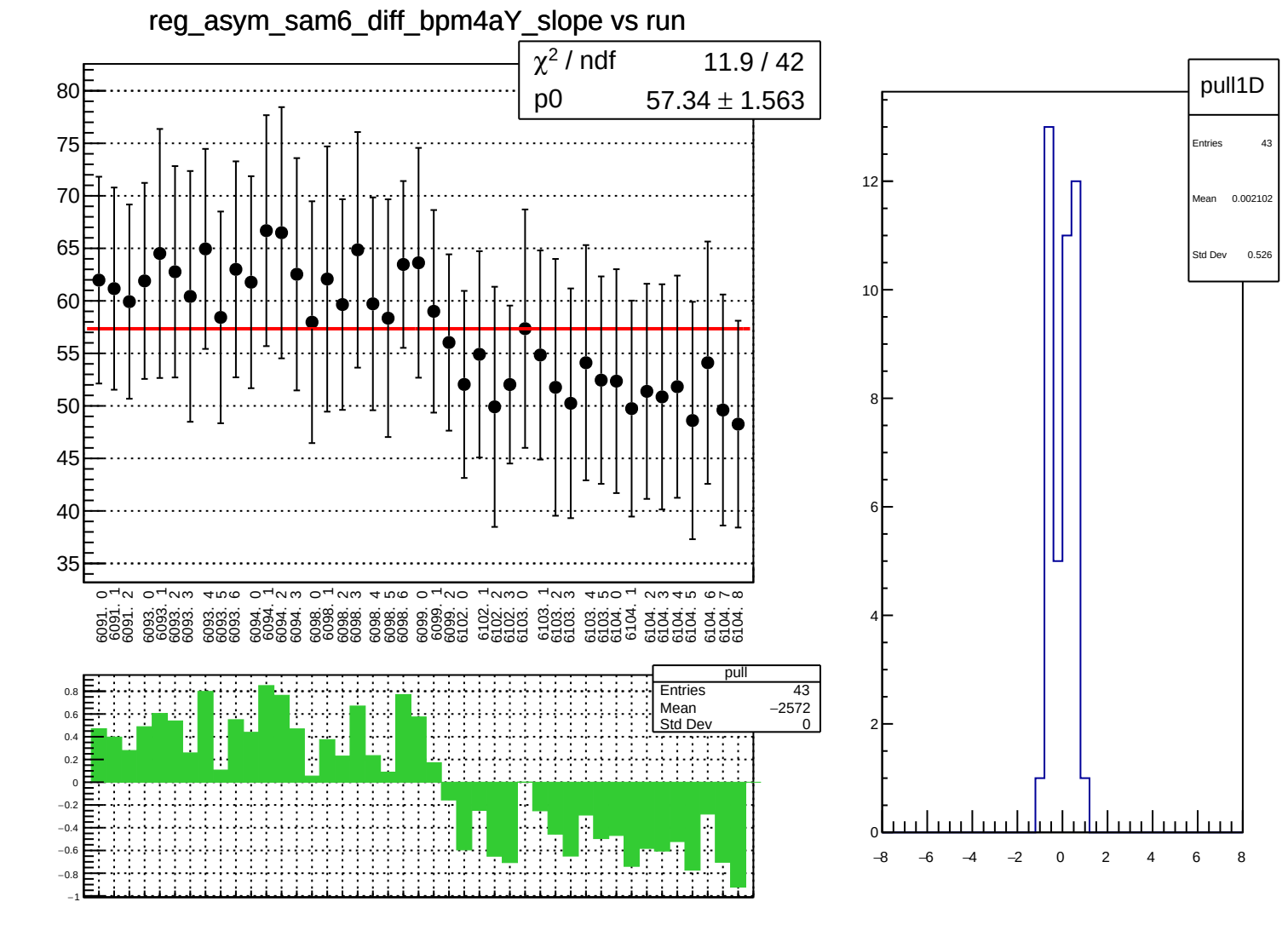

reg_asym_sam5_diff_bpm4eY_slope vs run
χ² / ndf 7.111 / 42
p0 100.4 ± 1.638
120
115
110
105
100
95
90
85
80
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean −36.9
Std Dev 0
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
pull1D
Entries 43
Mean 0.01536
Std Dev 0.4064
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

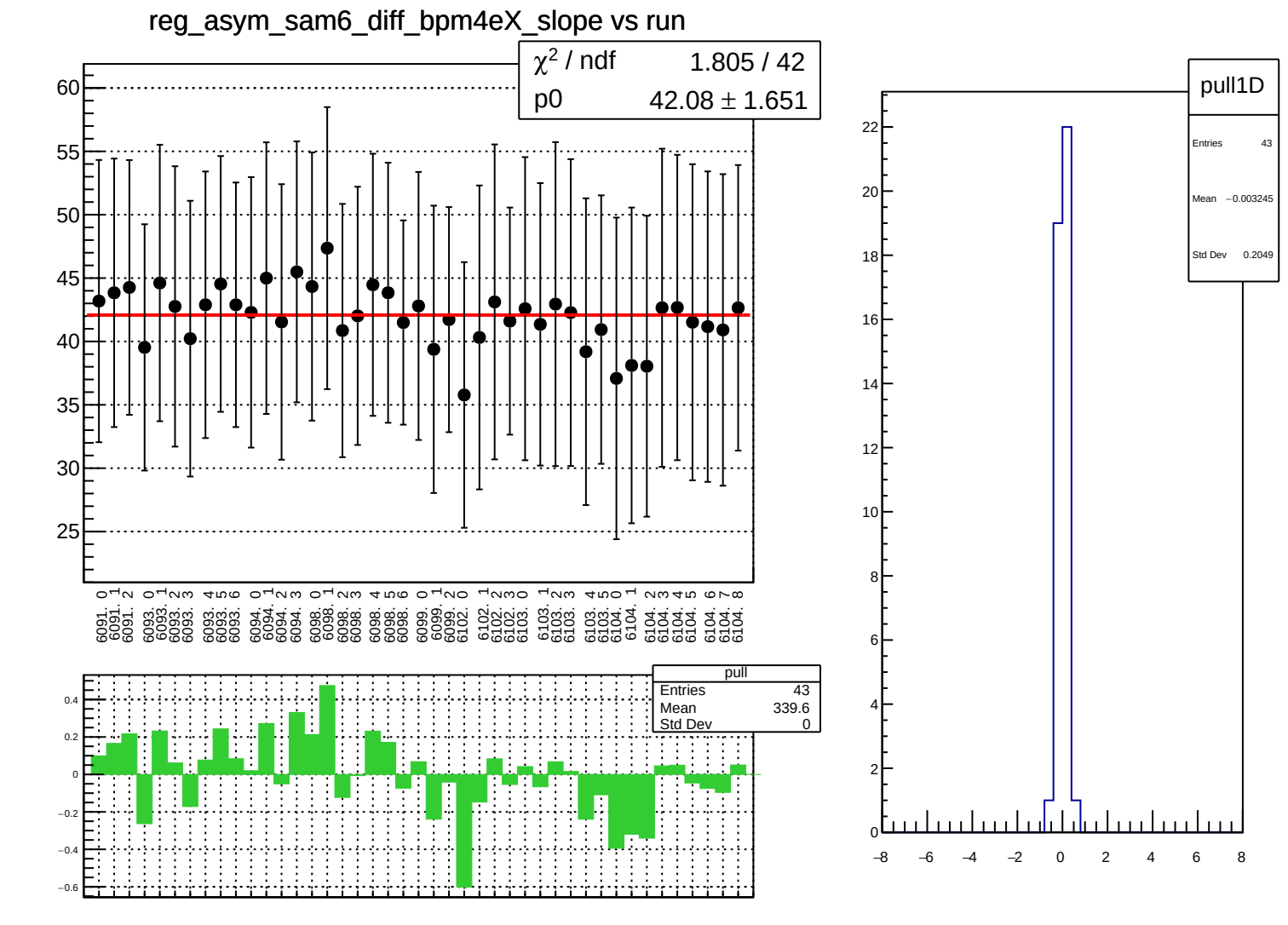

reg_asym_sam5_diff_bpm12X_slope vs run
χ² / ndf 2.931 / 42
p0 −0.2198 ± 0.1231
1
0.5
0
−0.5
−1
−1.5
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean −5900
Std Dev 0
0.4
0.2
0
−0.2
−0.4

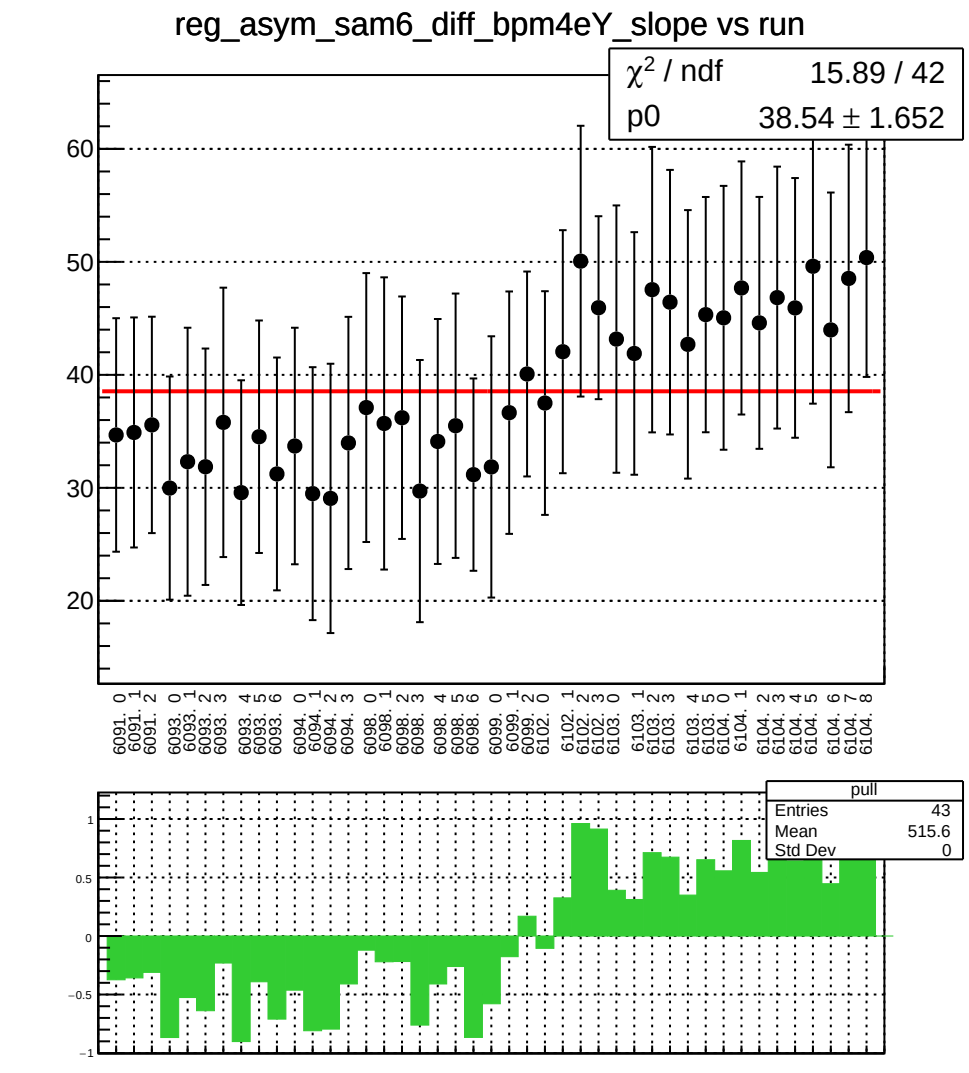

pull1D
Entries 43
Mean 0.0004232
Std Dev 0.2611
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

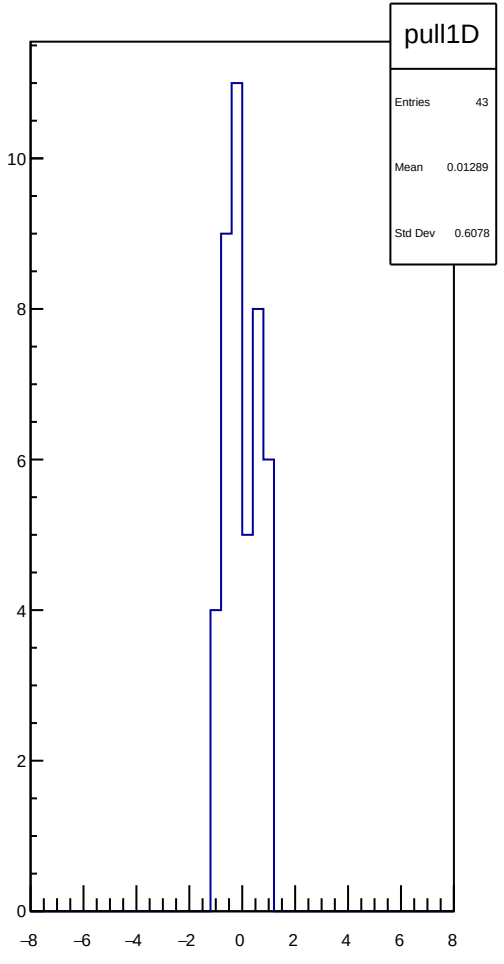

reg_asym_sam6_diff_bpm1X_slope vs run
χ² / ndf 1.216 / 42
p0 14.23 ± 1.35
pull
Entries 43
Mean 174.8
Std Dev 0
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

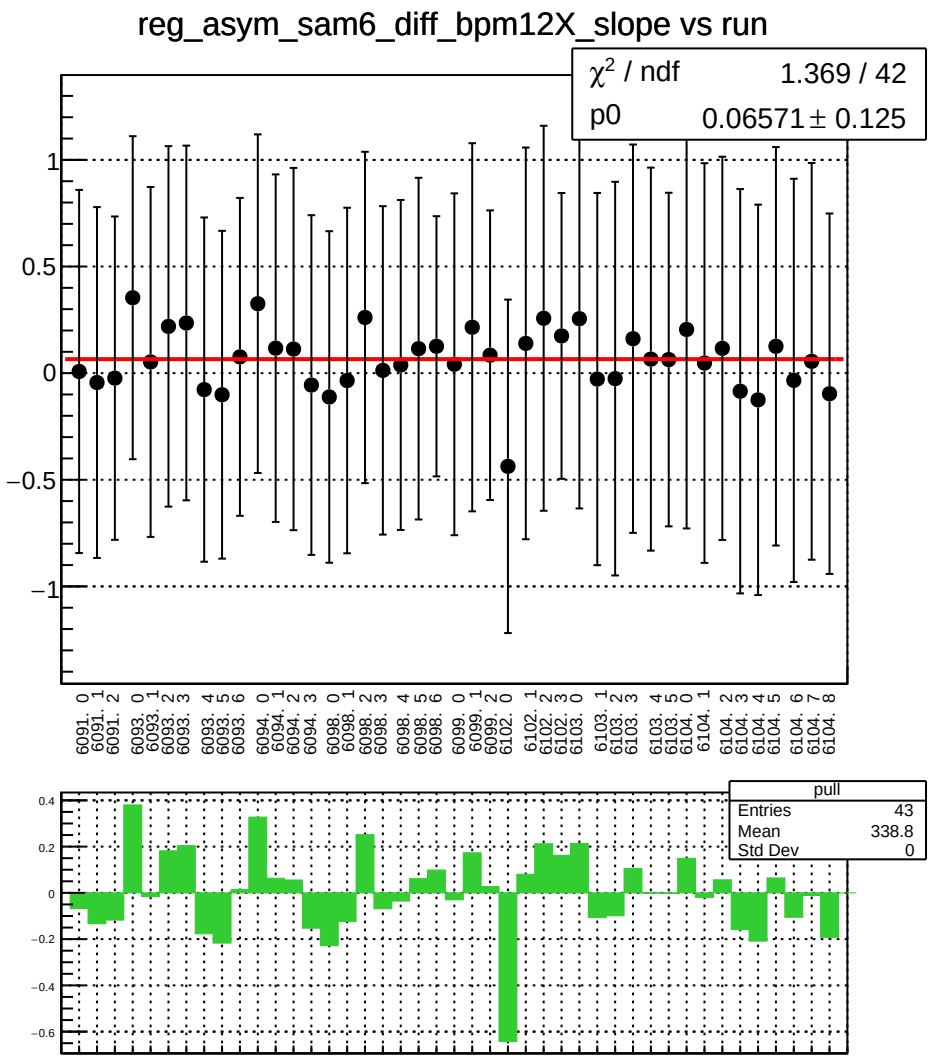

pull1D
Entries 43
Mean 0.005344
Std Dev 0.1681

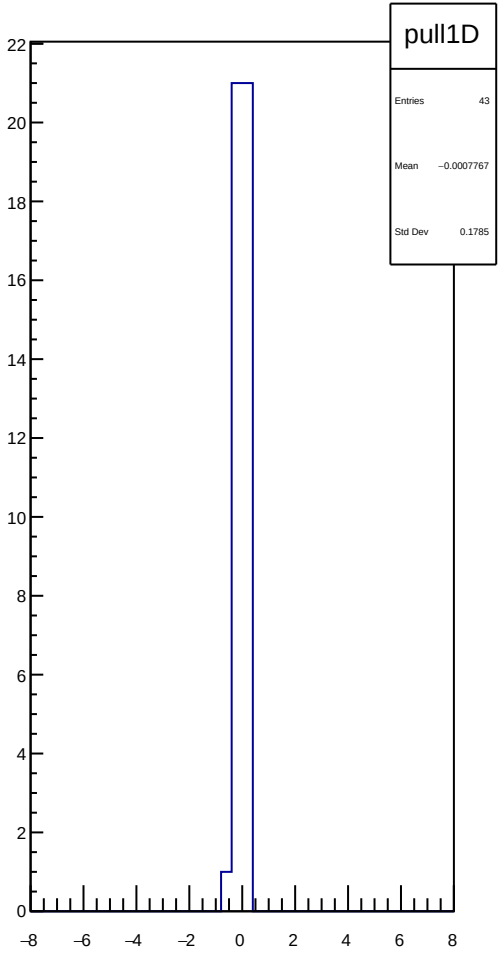

reg_asym_sam6_diff_bpm4aY_slope vs run
χ² / ndf 11.9 / 42
p0 57.34 ± 1.563
pull
Entries 43
Mean −2572
Std Dev 0
pull1D
Entries 43
Mean 0.002102
Std Dev 0.526

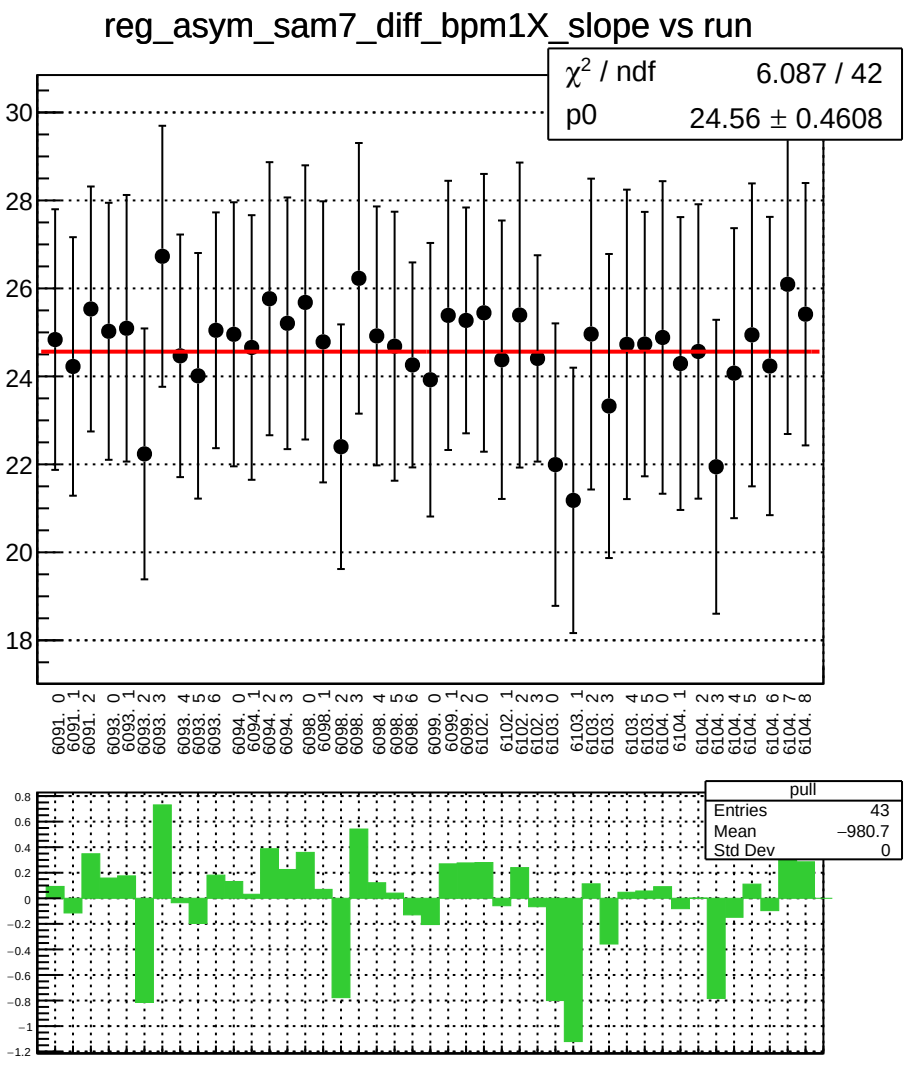

reg_asym_sam6_diff_bpm4eX_slope vs run
χ² / ndf 1.805 / 42
p0 42.08 ± 1.651
pull
Entries 43
Mean 339.6
Std Dev 0
pull1D
Entries 43
Mean −0.003245
Std Dev 0.2049

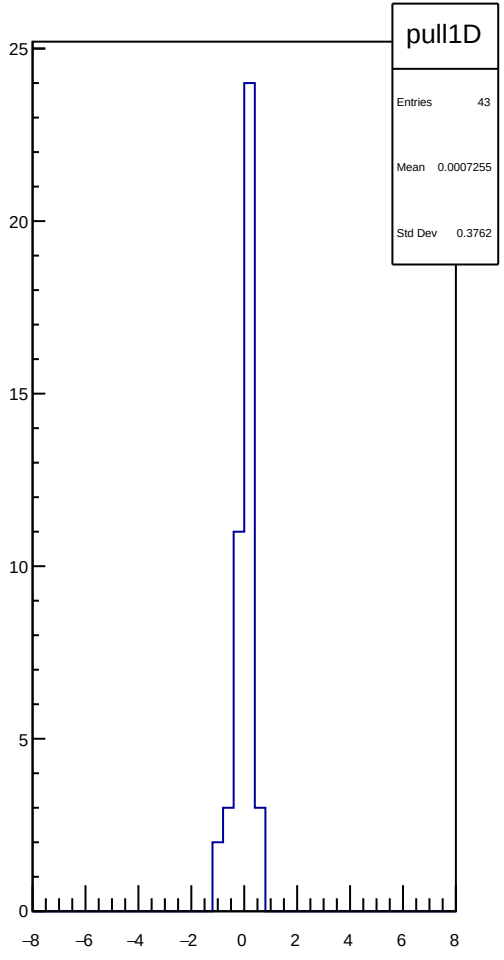

reg_asym_sam6_diff_bpm4eY_slope vs run
χ² / ndf 15.89 / 42
p0 38.54 ± 1.652
pull
Entries 43
Mean 515.6
Std Dev 0

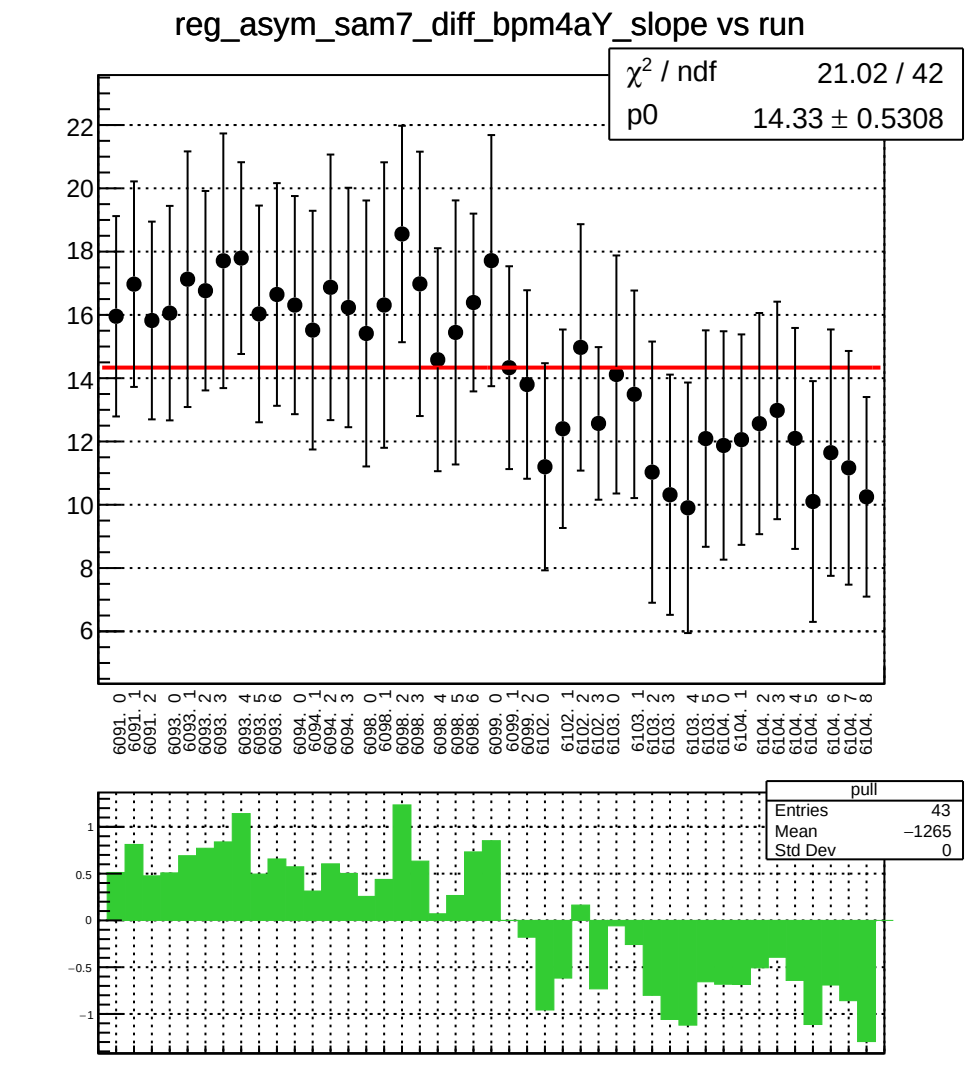

pull1D
Entries 43
Mean 0.01289
Std Dev 0.6078

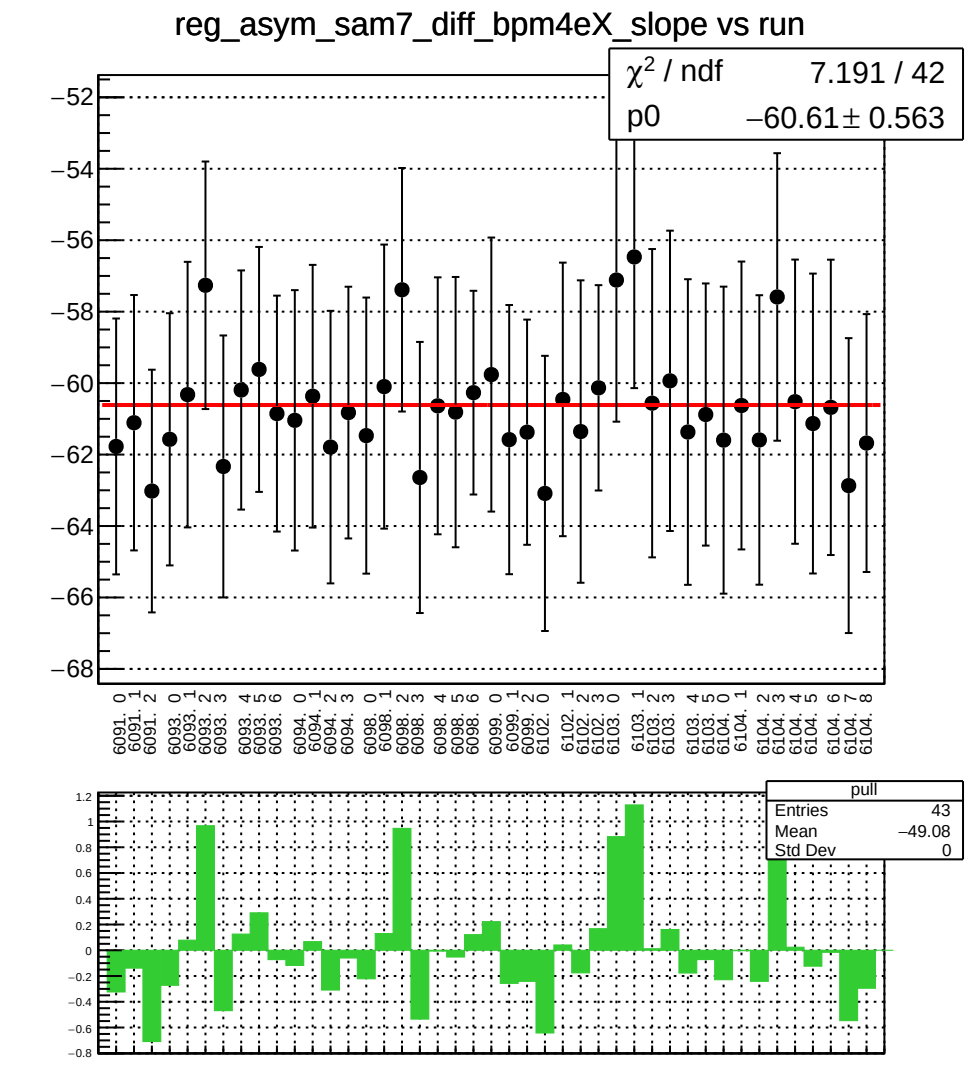

reg_asym_sam6_diff_bpm12X_slope vs run
χ² / ndf 1.369 / 42
p0 0.06571 ± 0.125
pull
Entries 43
Mean 338.8
Std Dev 0
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

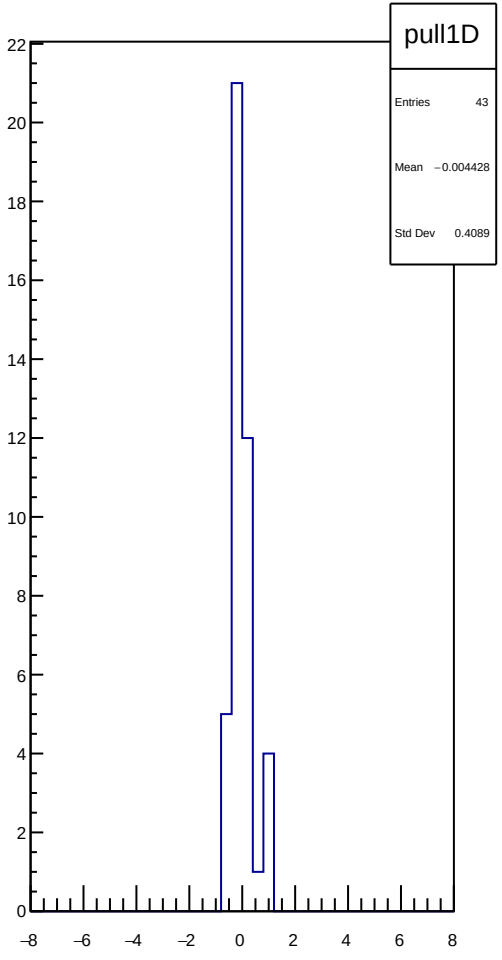

pull1D
Entries 43
Mean −0.0007767
Std Dev 0.1785

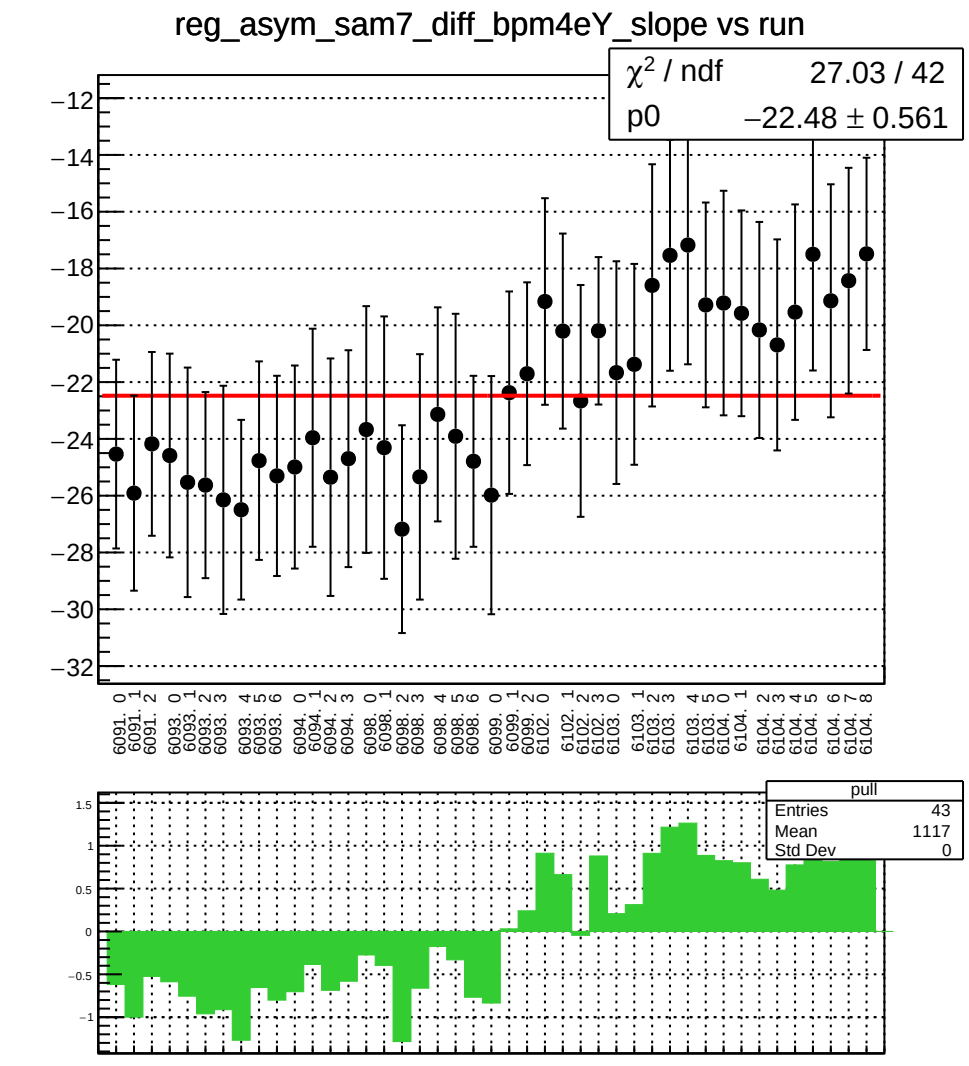

reg_asym_sam7_diff_bpm1X_slope vs run
χ² / ndf 6.087 / 42
p0 24.56 ± 0.4608
30
28
26
24
22
20
18
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean −980.7
Std Dev 0
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
−1
−1.2

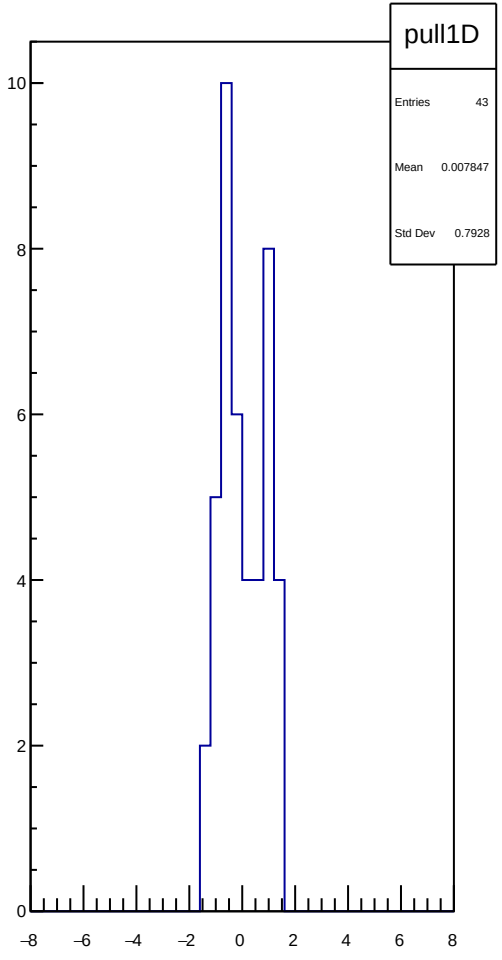

pull1D
Entries 43
Mean 0.0007255
Std Dev 0.3762
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

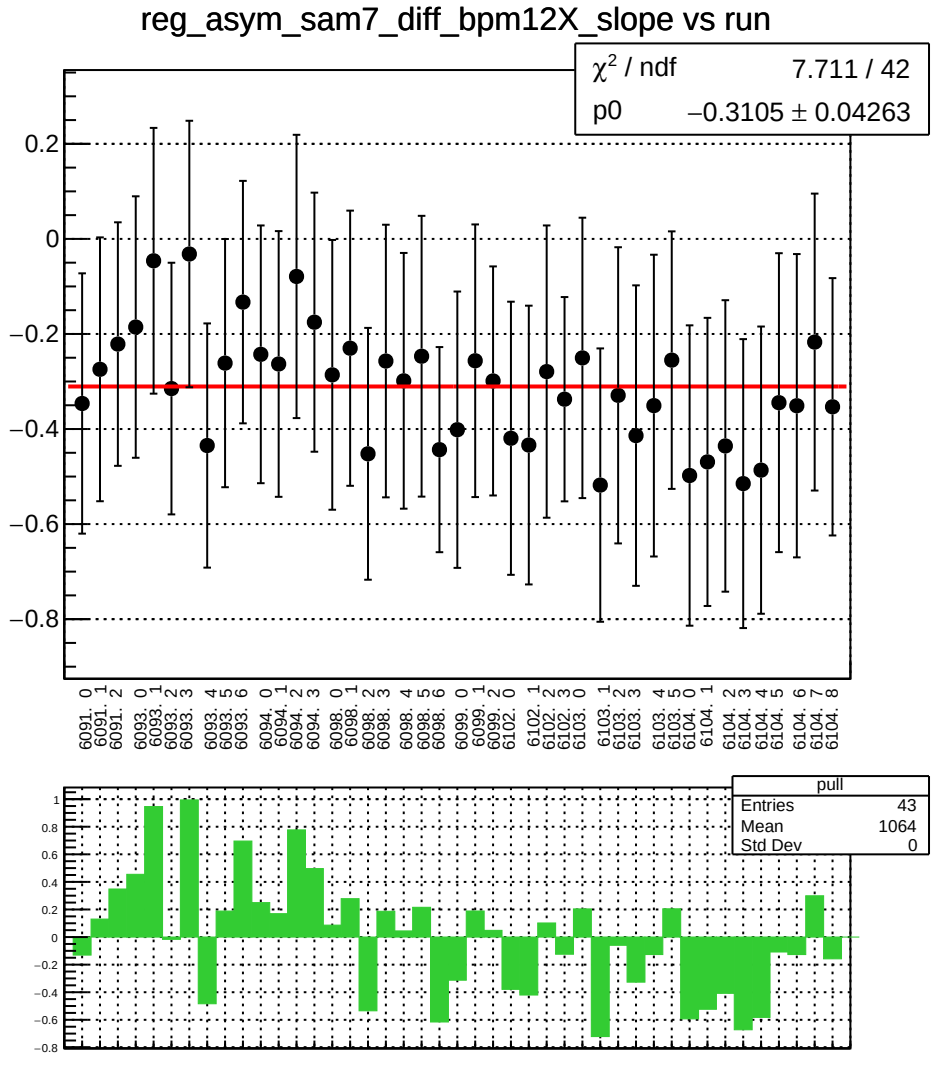

reg_asym_sam7_diff_bpm4aY_slope vs run
χ² / ndf 21.02 / 42
p0 14.33 ± 0.5308
pull
Entries 43
Mean −1265
Std Dev 0
pull1D
Entries 43
Mean 0.005713
Std Dev 0.6991

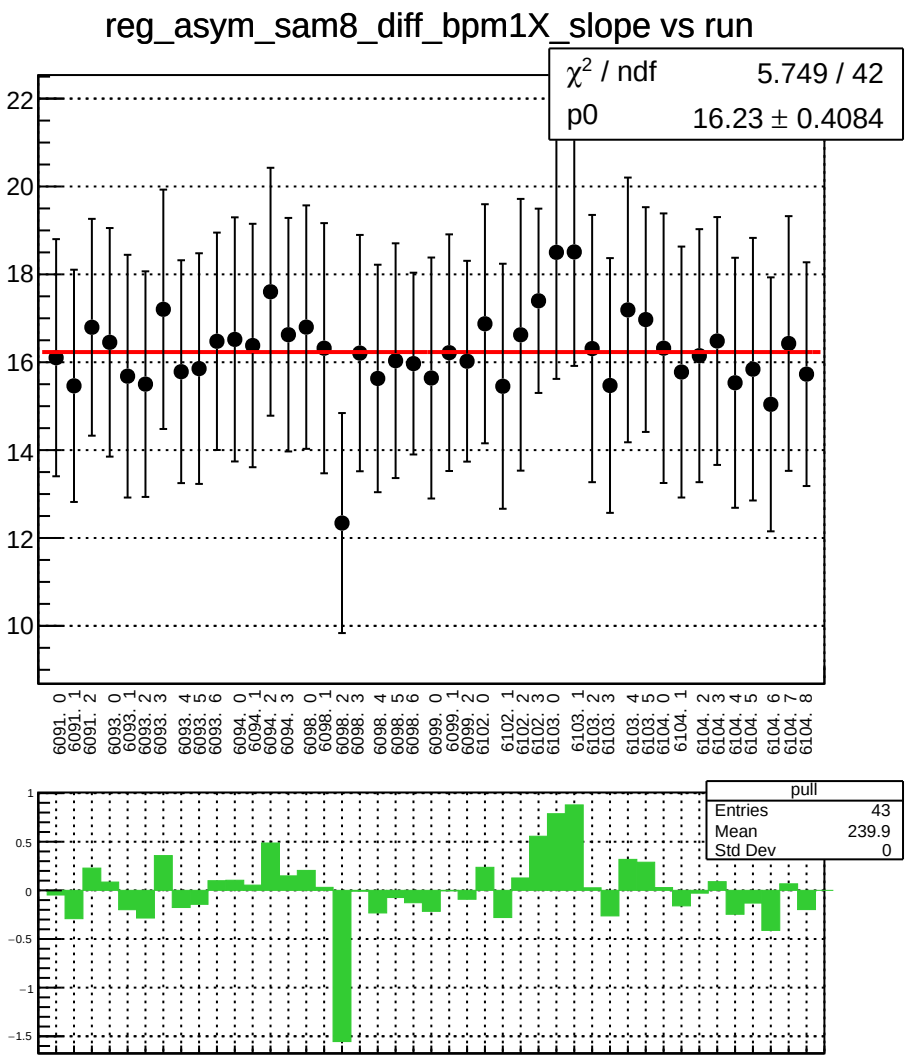

reg_asym_sam7_diff_bpm4eX_slope vs run
χ² / ndf 7.191 / 42
p0 −60.61 ± 0.563
−52
−54
−56
−58
−60
−62
−64
−66
−68
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean −49.08
Std Dev 0
1.2
1
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8

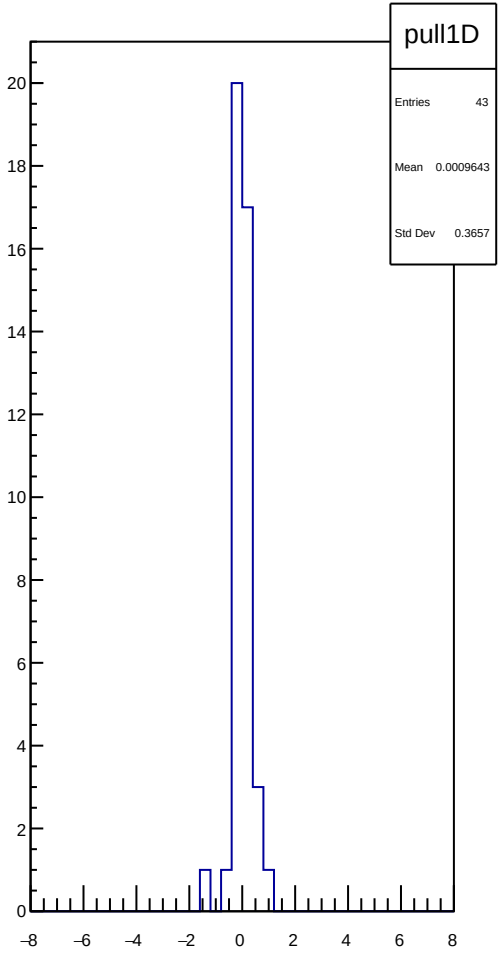

pull1D
Entries 43
Mean −0.004428
Std Dev 0.4089
22
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

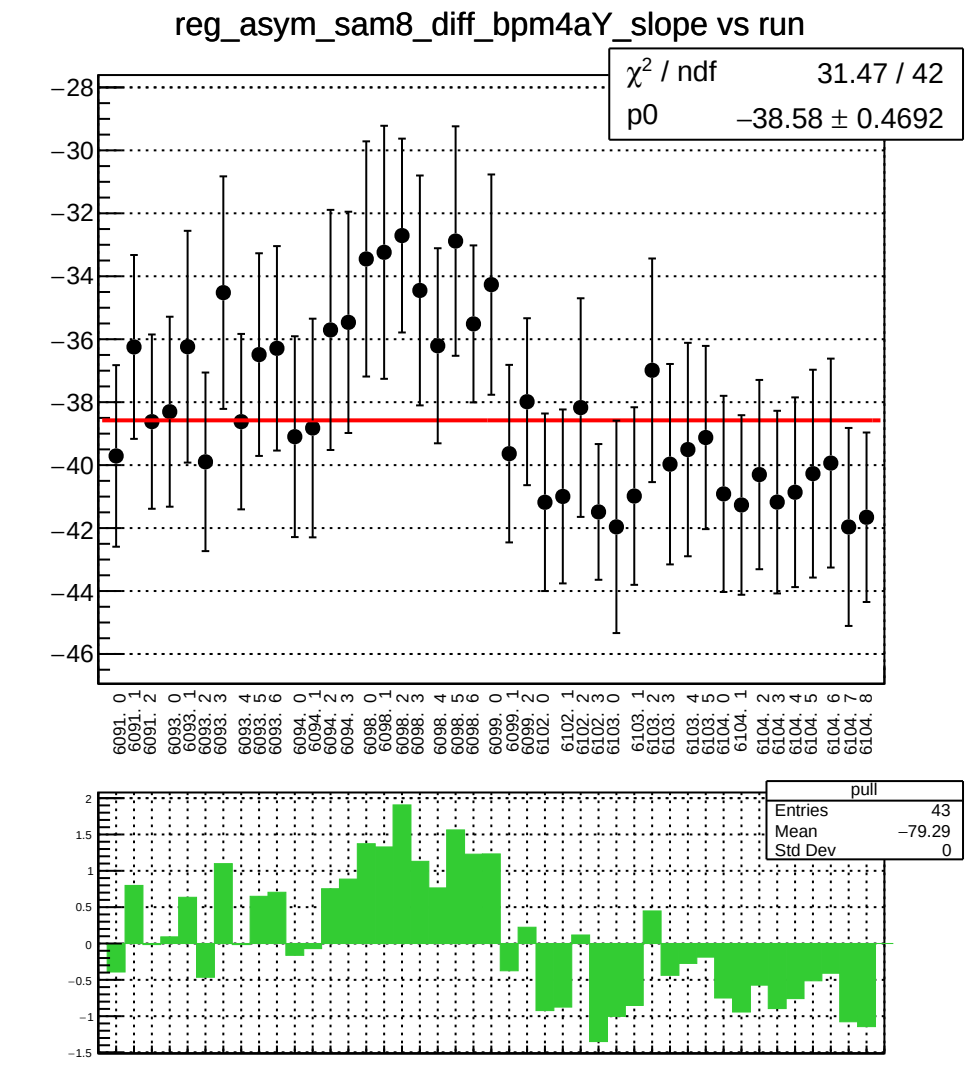

reg_asym_sam7_diff_bpm4eY_slope vs run
χ² / ndf 27.03 / 42
p0 −22.48 ± 0.561
pull
Entries 43
Mean 1117
Std Dev 0

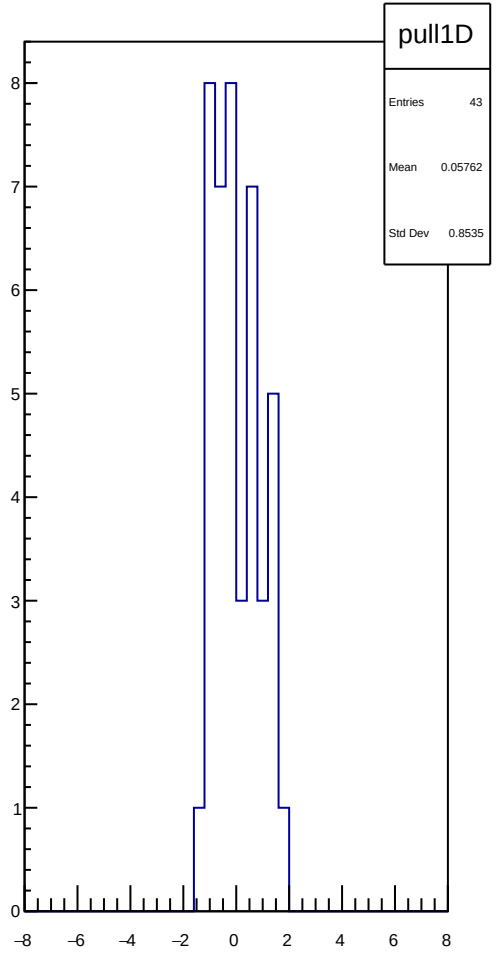

pull1D
Entries 43
Mean 0.007847
Std Dev 0.7928

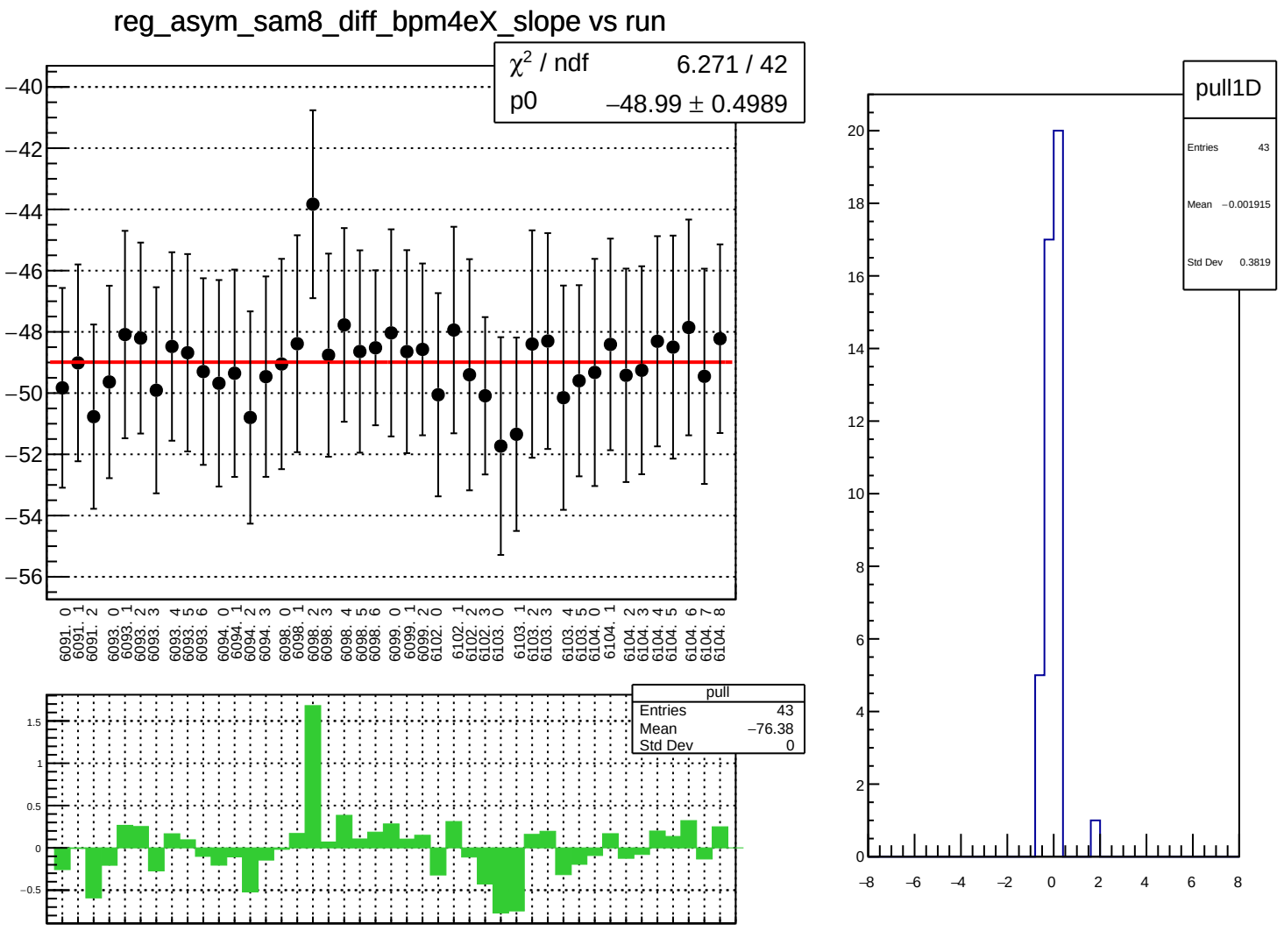

reg_asym_sam7_diff_bpm12X_slope vs run
χ² / ndf 7.711 / 42
p0 −0.3105 ± 0.04263
pull
Entries 43
Mean 1064
Std Dev 0
pull1D
Entries 43
Mean −0.002642
Std Dev 0.4235

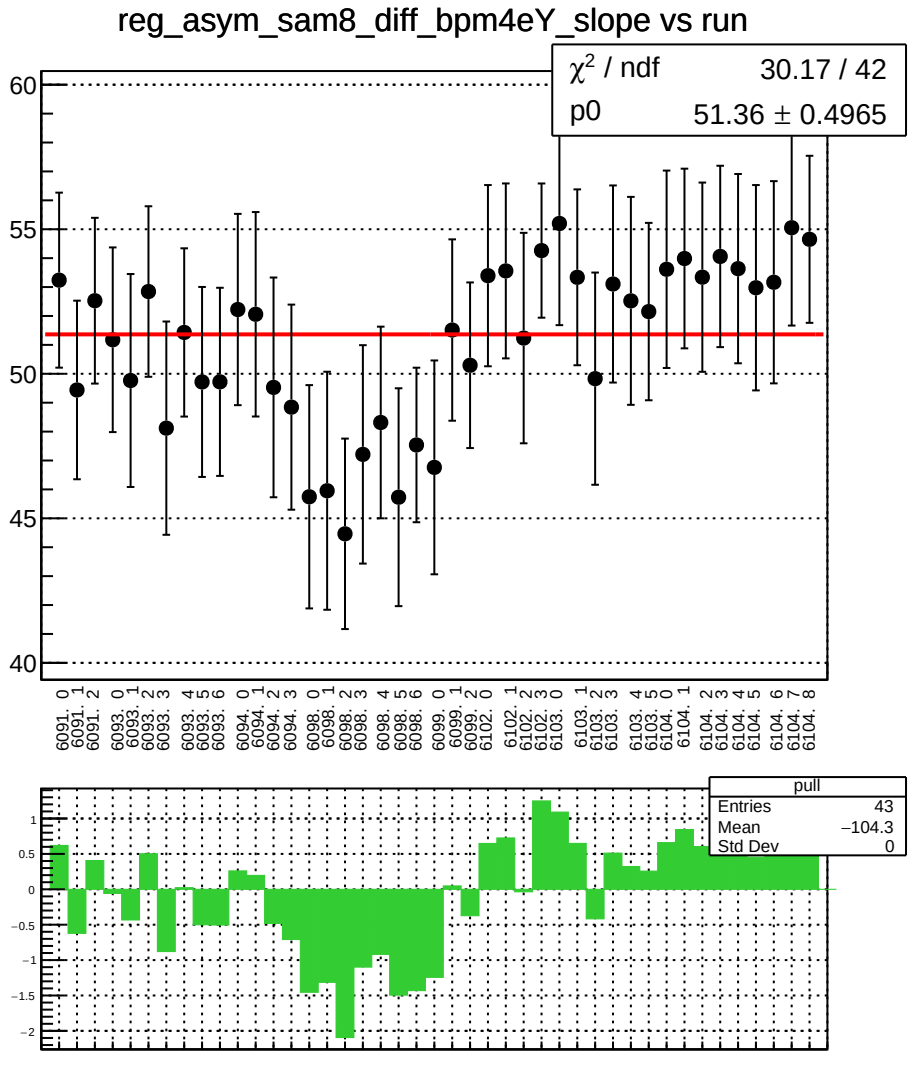

reg_asym_sam8_diff_bpm1X_slope vs run
χ² / ndf 5.749 / 42
p0 16.23 ± 0.4084
pull
Entries 43
Mean 239.9
Std Dev 0

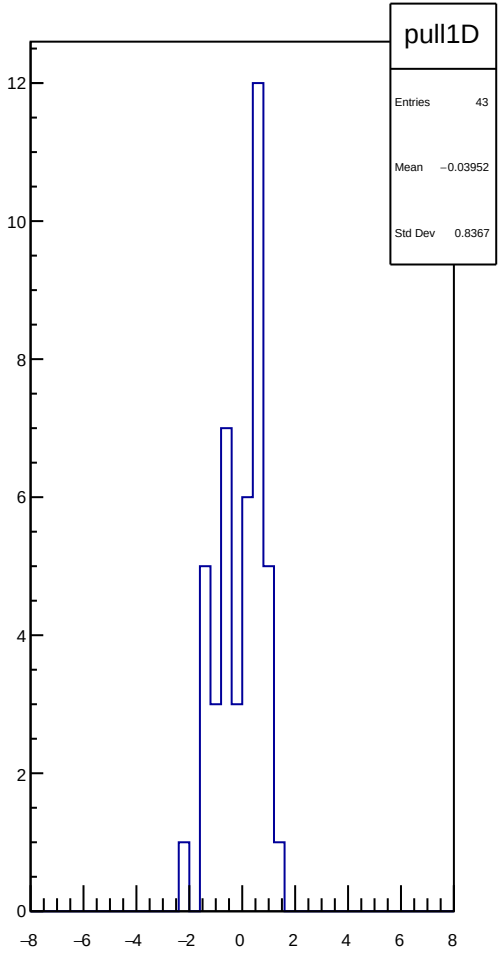

pull1D
Entries 43
Mean 0.0009643
Std Dev 0.3657

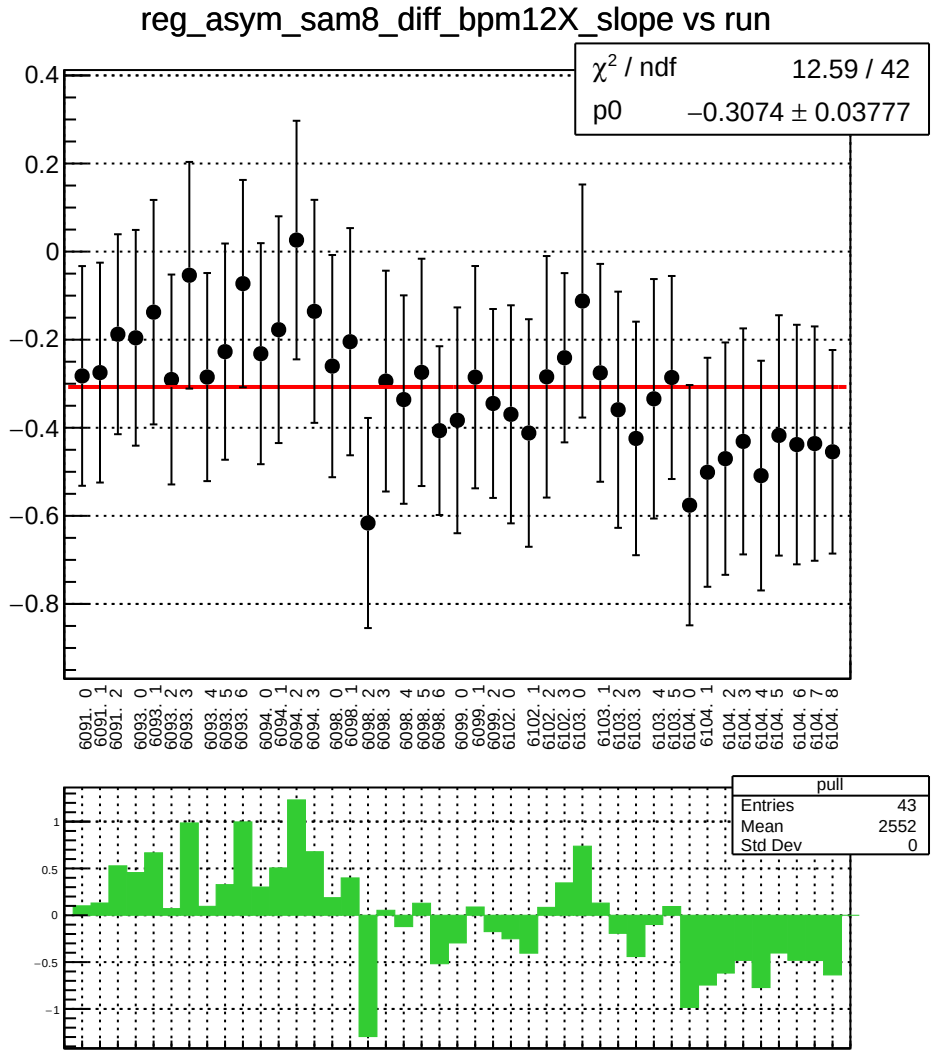

reg_asym_sam8_diff_bpm4aY_slope vs run
χ² / ndf 31.47 / 42
p0 −38.58 ± 0.4692
pull
Entries 43
Mean −79.29
Std Dev 0

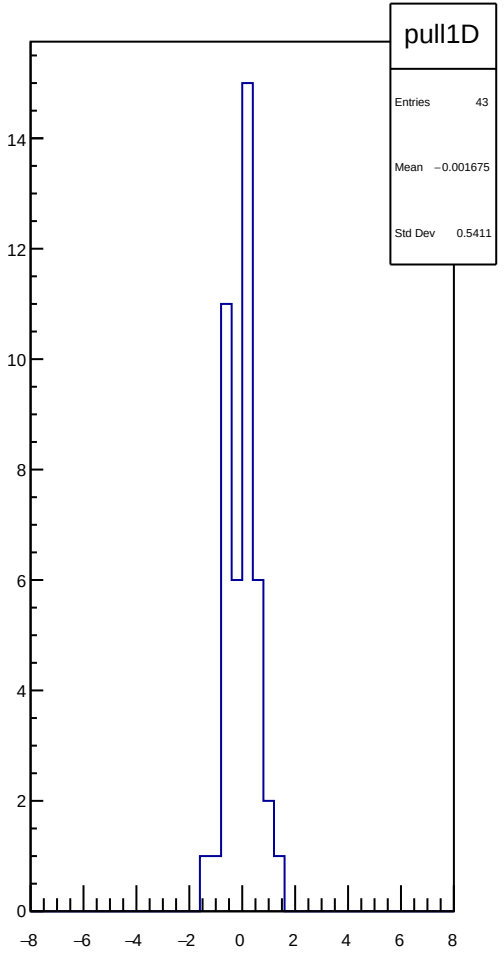

pull1D
Entries 43
Mean 0.05762
Std Dev 0.8535

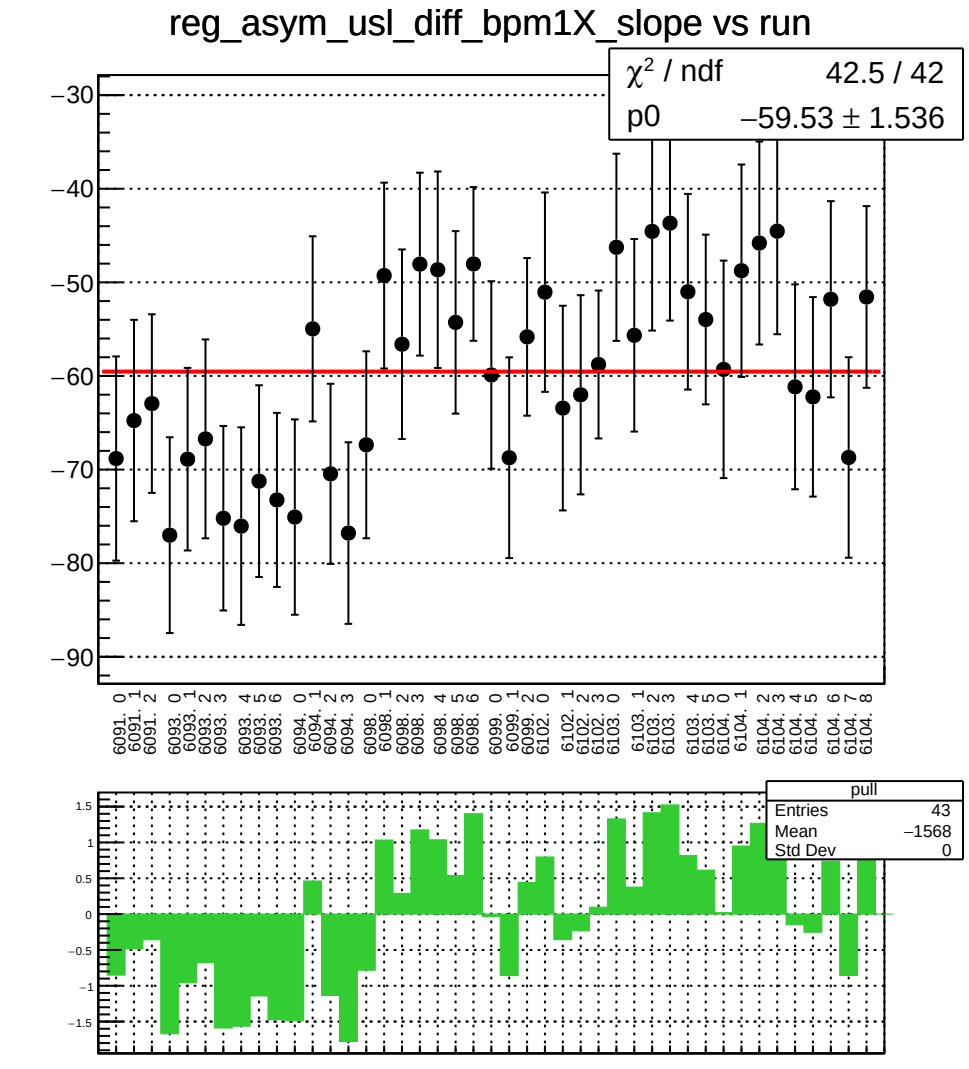

reg_asym_sam8_diff_bpm4eX_slope vs run
χ² / ndf 6.271 / 42
p0 −48.99 ± 0.4989
−40
−42
−44
−46
−48
−50
−52
−54
−56
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean −76.38
Std Dev 0
1.5
1
0.5
0
−0.5
pull1D
Entries 43
Mean −0.001915
Std Dev 0.3819
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

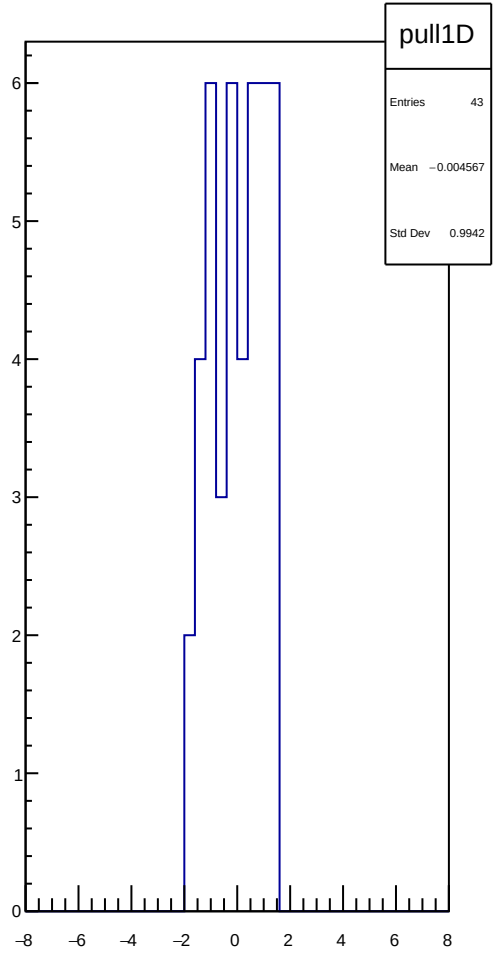

reg_asym_sam8_diff_bpm4eY_slope vs run
χ² / ndf 30.17 / 42
p0 51.36 ± 0.4965
60
55
50
45
40
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean −104.3
Std Dev 0
1
0.5
0
−0.5
−1
−1.5
−2

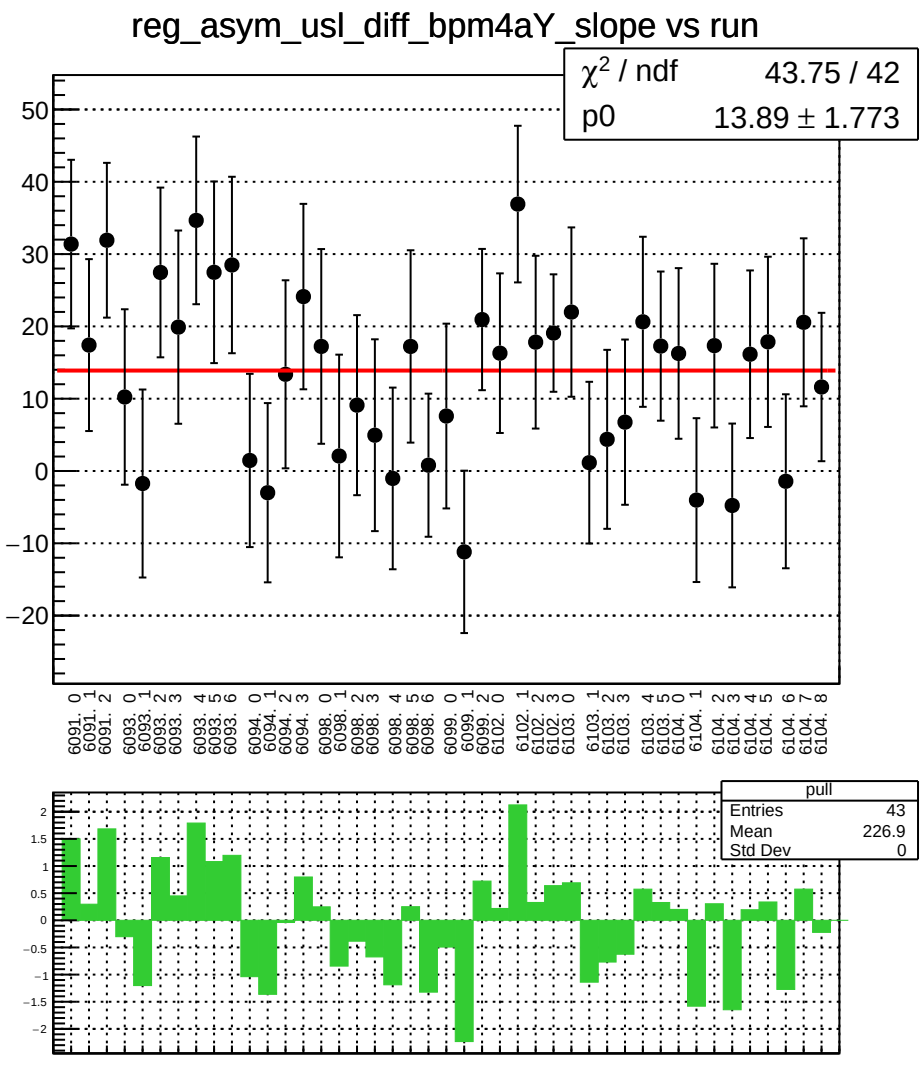

pull1D
Entries 43
Mean −0.03952
Std Dev 0.8367
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

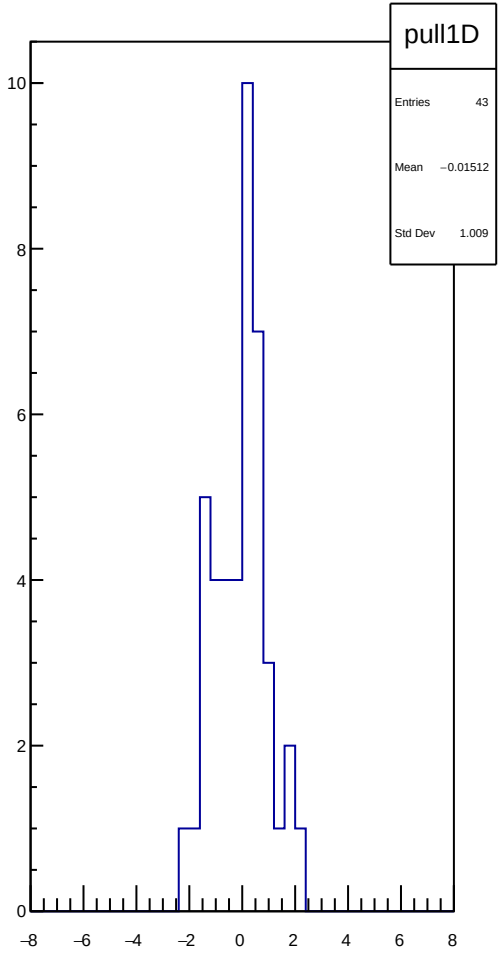

reg_asym_sam8_diff_bpm12X_slope vs run
χ² / ndf 12.59 / 42
p0 −0.3074 ± 0.03777
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 2552
Std Dev 0
1
0.5
0
−0.5
−1

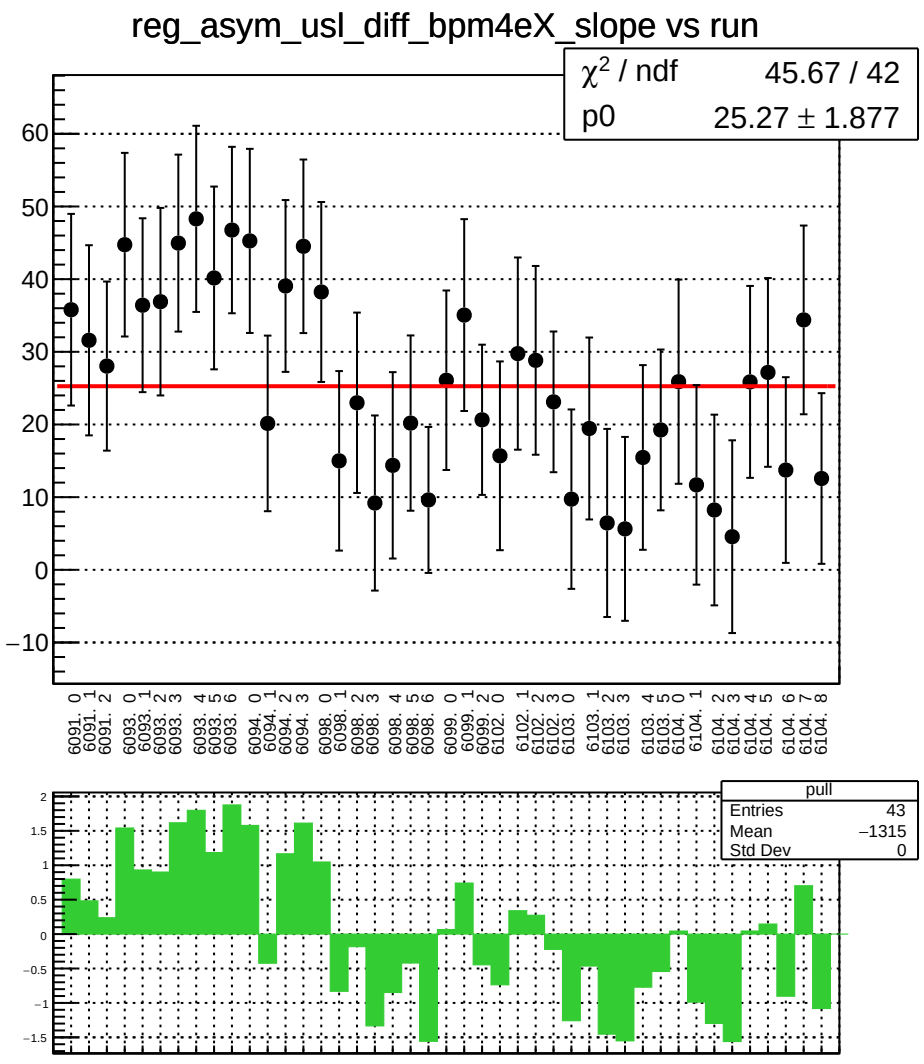

pull1D
Entries 43
Mean −0.001675
Std Dev 0.5411
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

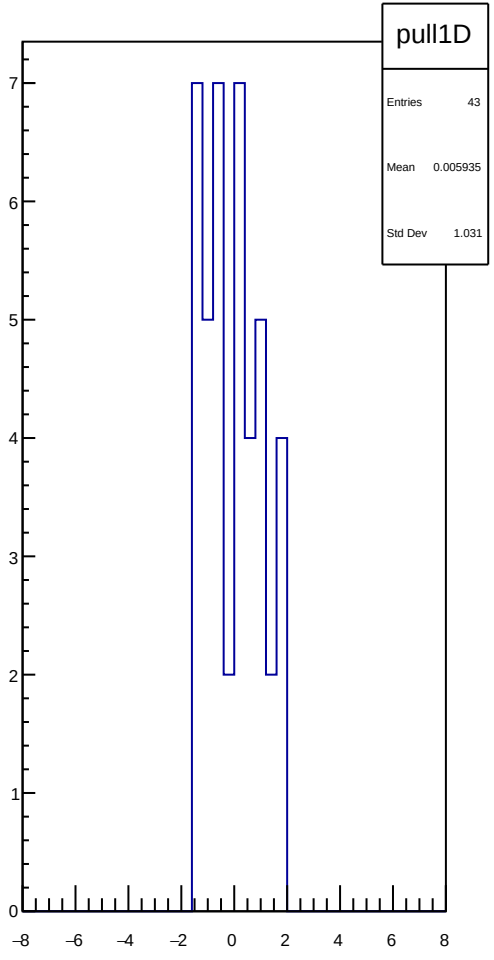

reg_asym_usl_diff_bpm1X_slope vs run
χ² / ndf 42.5 / 42
p0 −59.53 ± 1.536
pull
Entries 43
Mean −1568
Std Dev 0

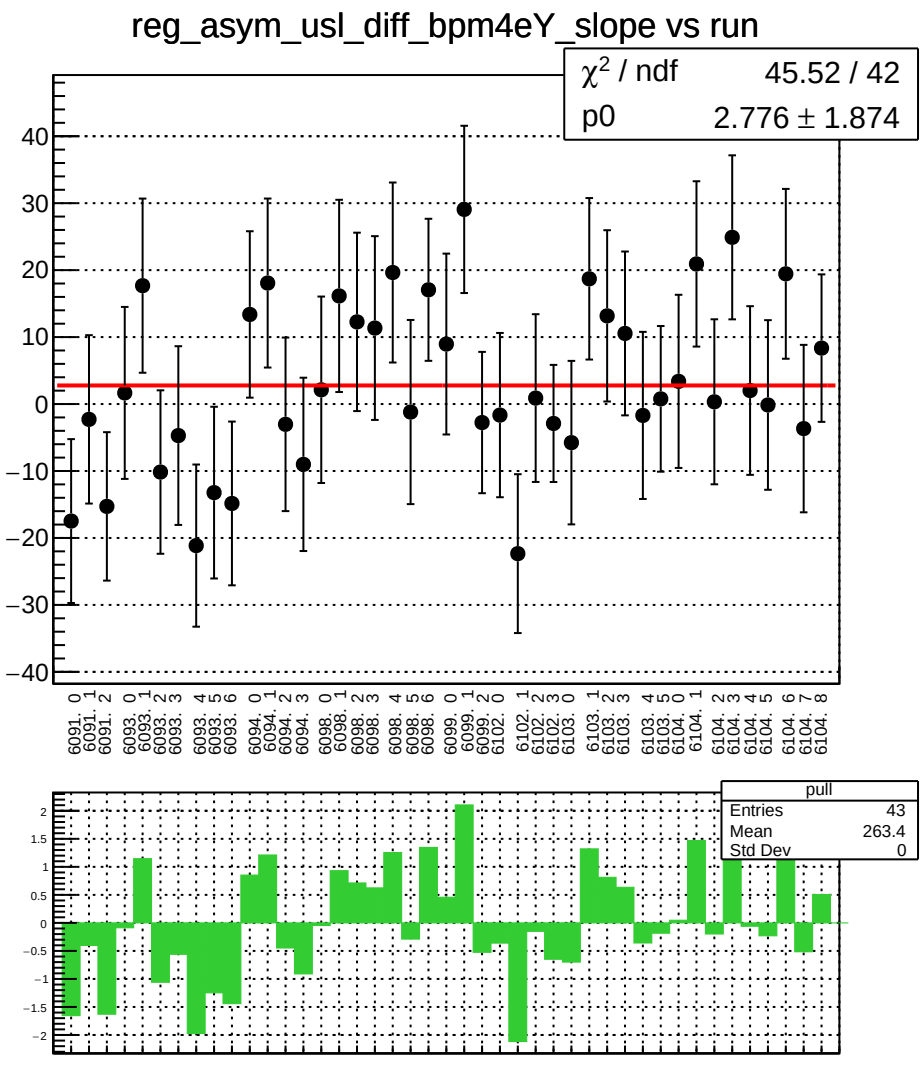

pull1D
Entries 43
Mean −0.004567
Std Dev 0.9942

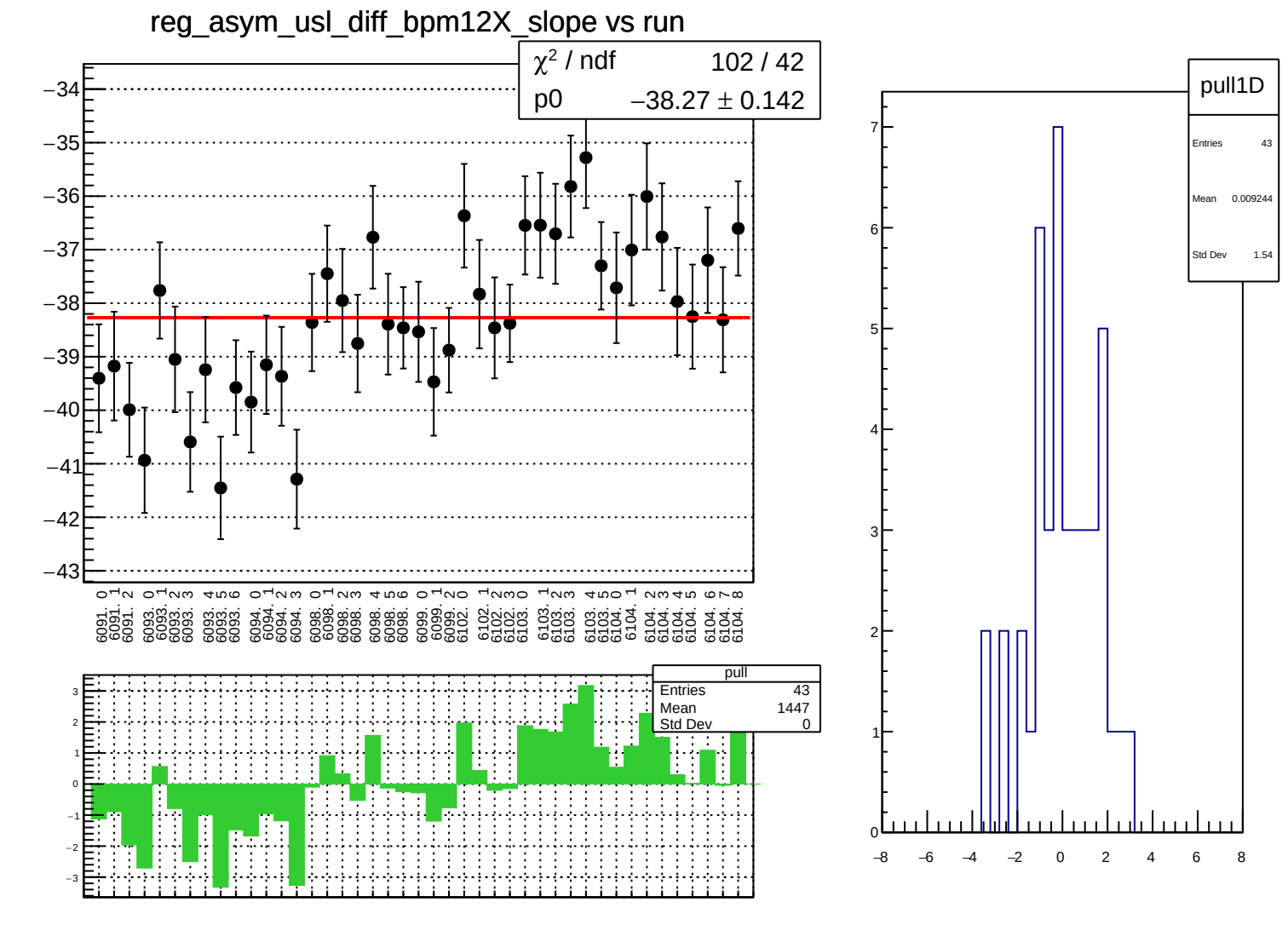

reg_asym_usl_diff_bpm4aY_slope vs run
χ² / ndf 43.75 / 42
p0 13.89 ± 1.773
pull
Entries 43
Mean 226.9
Std Dev 0

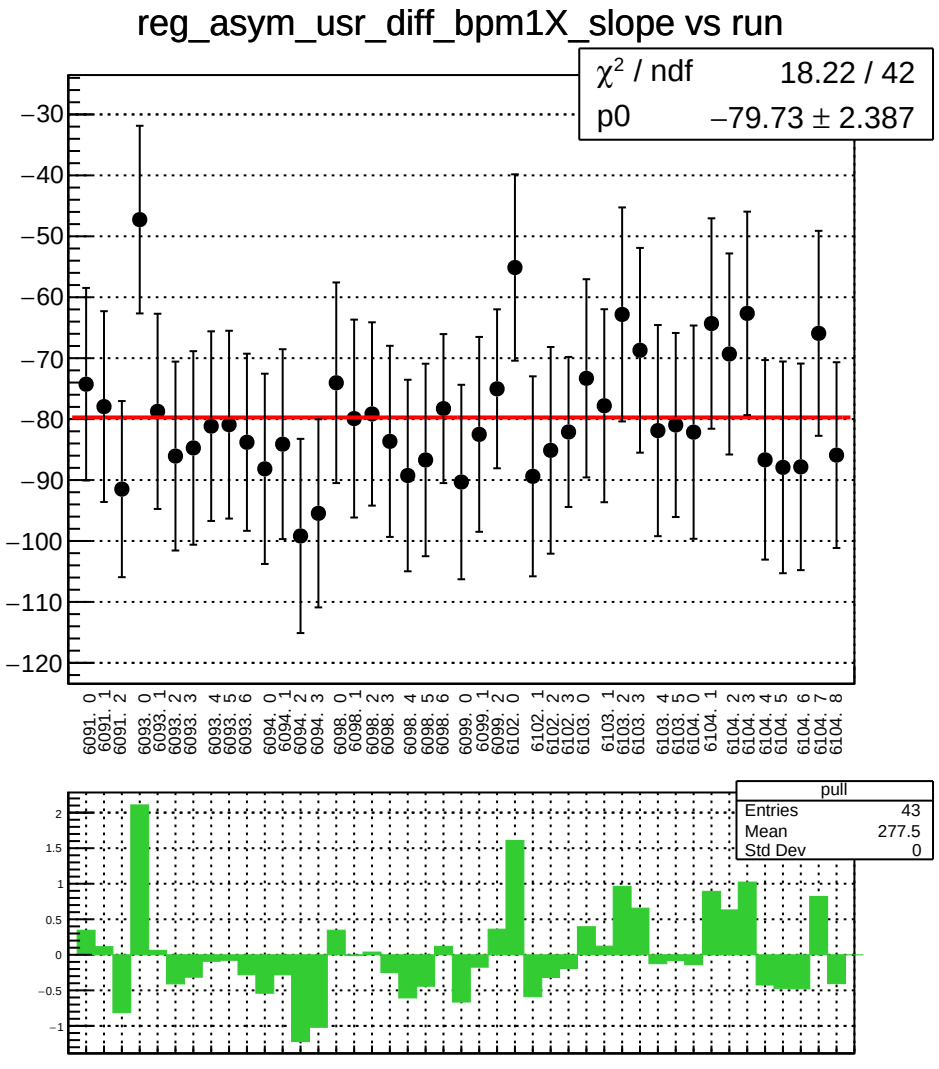

pull1D
Entries 43
Mean −0.01512
Std Dev 1.009

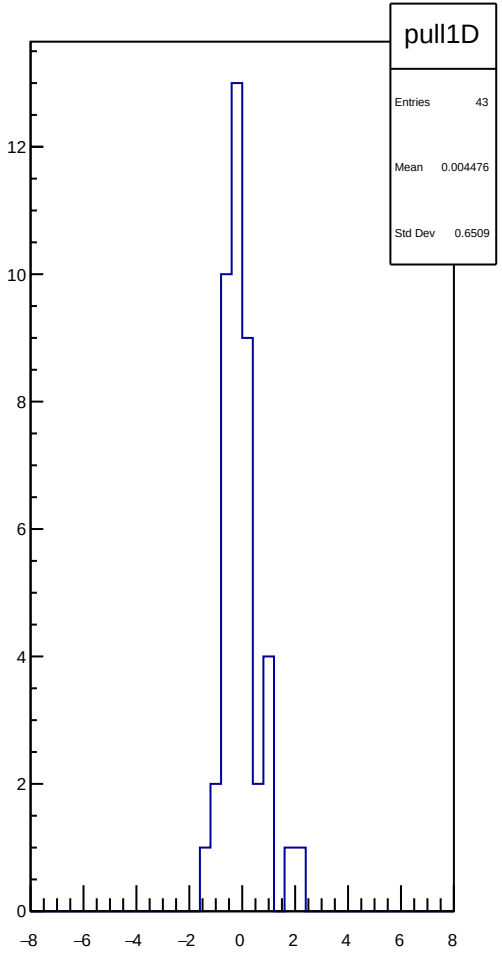

reg_asym_usl_diff_bpm4eX_slope vs run
χ² / ndf 45.67 / 42
p0 25.27 ± 1.877
pull
Entries 43
Mean −1315
Std Dev 0

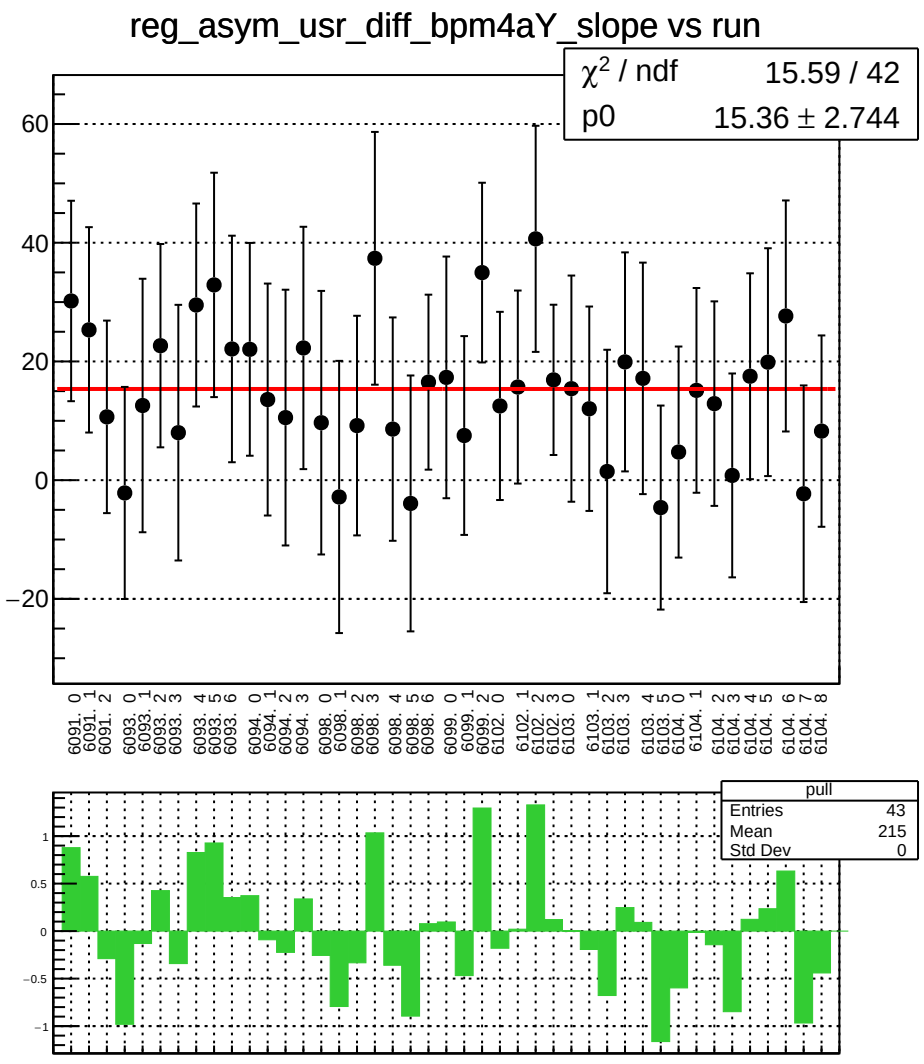

pull1D
Entries 43
Mean 0.005935
Std Dev 1.031

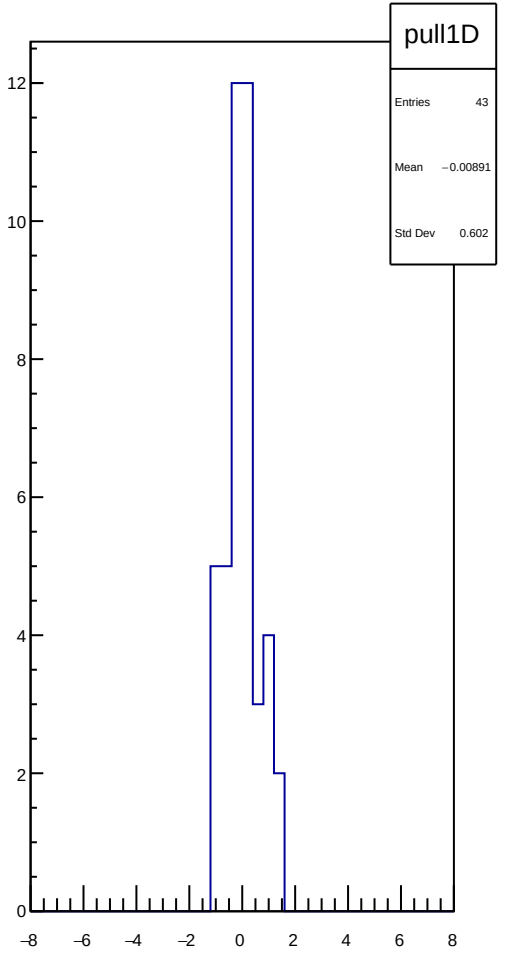

reg_asym_usl_diff_bpm4eY_slope vs run
χ² / ndf 45.52 / 42
p0 2.776 ± 1.874
40
30
20
10
0
−10
−20
−30
−40
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 263.4
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 43
Mean 0.01766
Std Dev 1.029
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

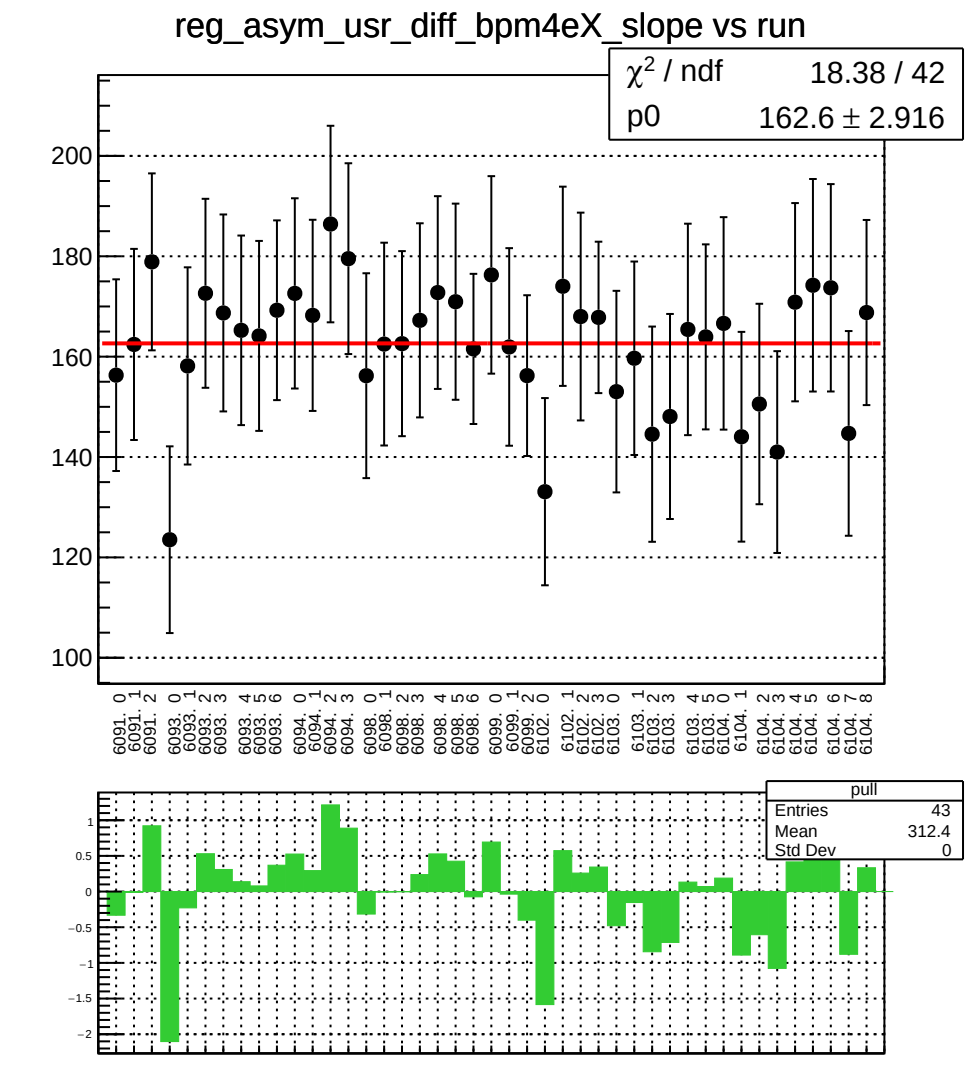

reg_asym_usl_diff_bpm12X_slope vs run
χ² / ndf 102 / 42
p0 −38.27 ± 0.142
pull
Entries 43
Mean 1447
Std Dev 0
pull1D
Entries 43
Mean 0.009244
Std Dev 1.54

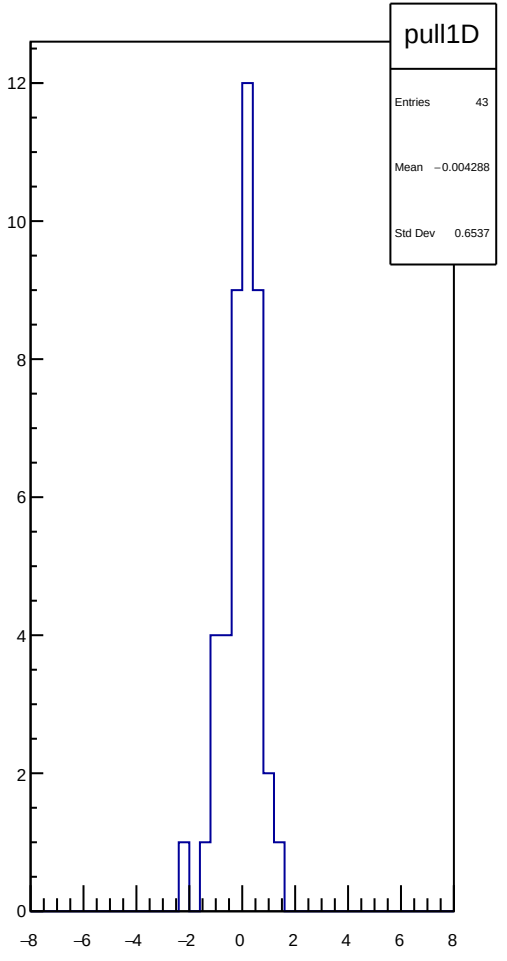

reg_asym_usr_diff_bpm1X_slope vs run
χ² / ndf 18.22 / 42
p0 −79.73 ± 2.387
pull
Entries 43
Mean 277.5
Std Dev 0

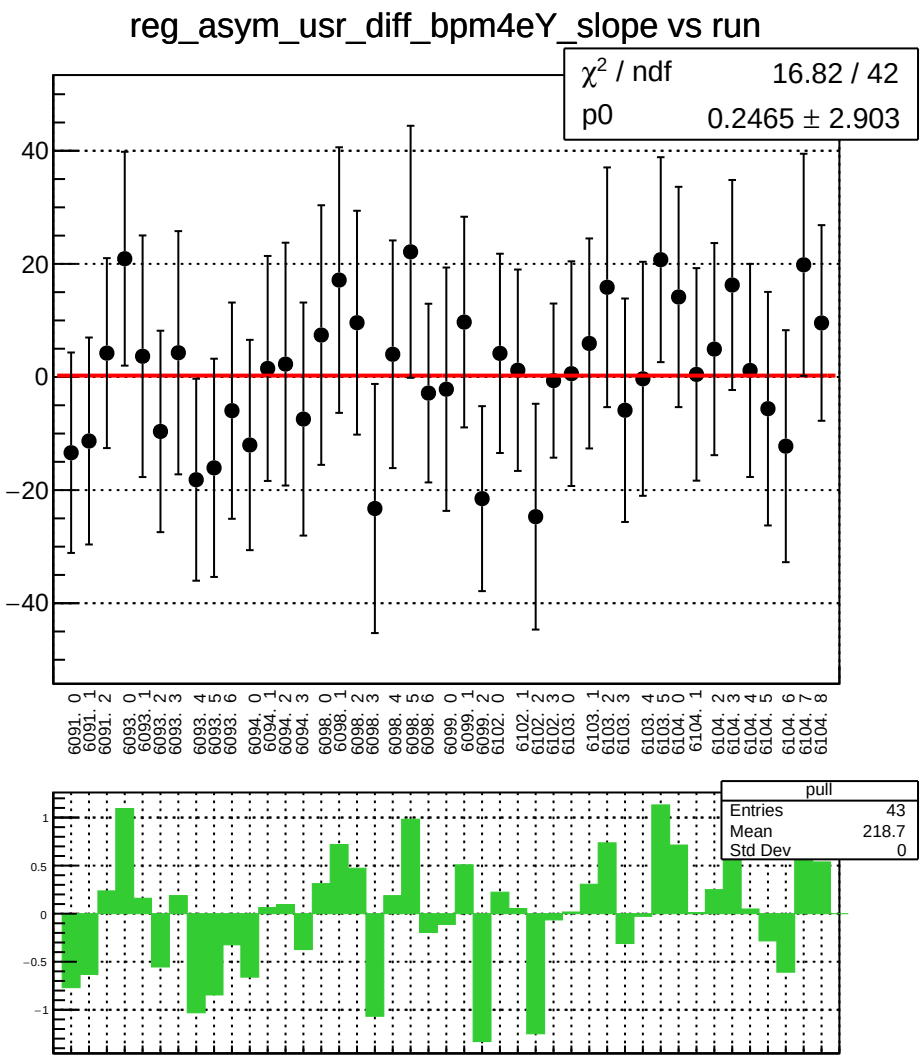

pull1D
Entries 43
Mean 0.004476
Std Dev 0.6509

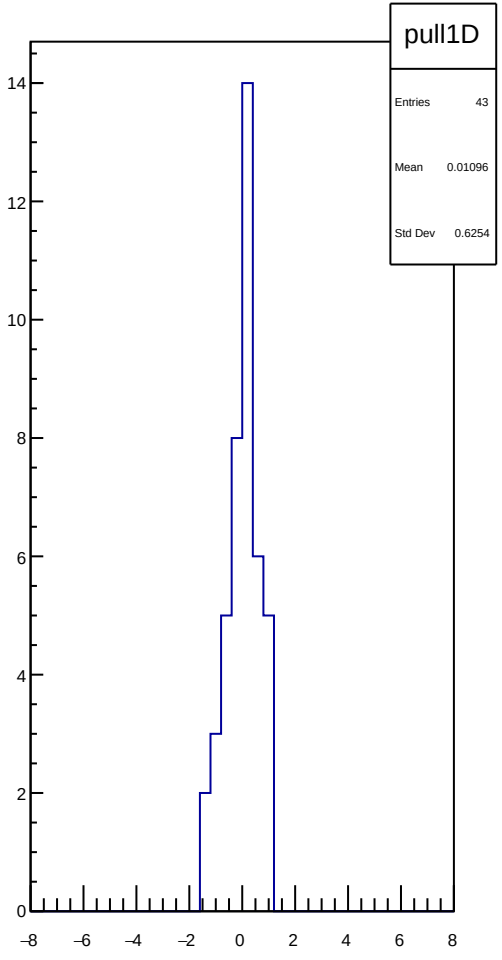

reg_asym_usr_diff_bpm4aY_slope vs run
χ² / ndf 15.59 / 42
p0 15.36 ± 2.744
60
40
20
0
−20
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 215
Std Dev 0
1
0.5
0
−0.5
−1

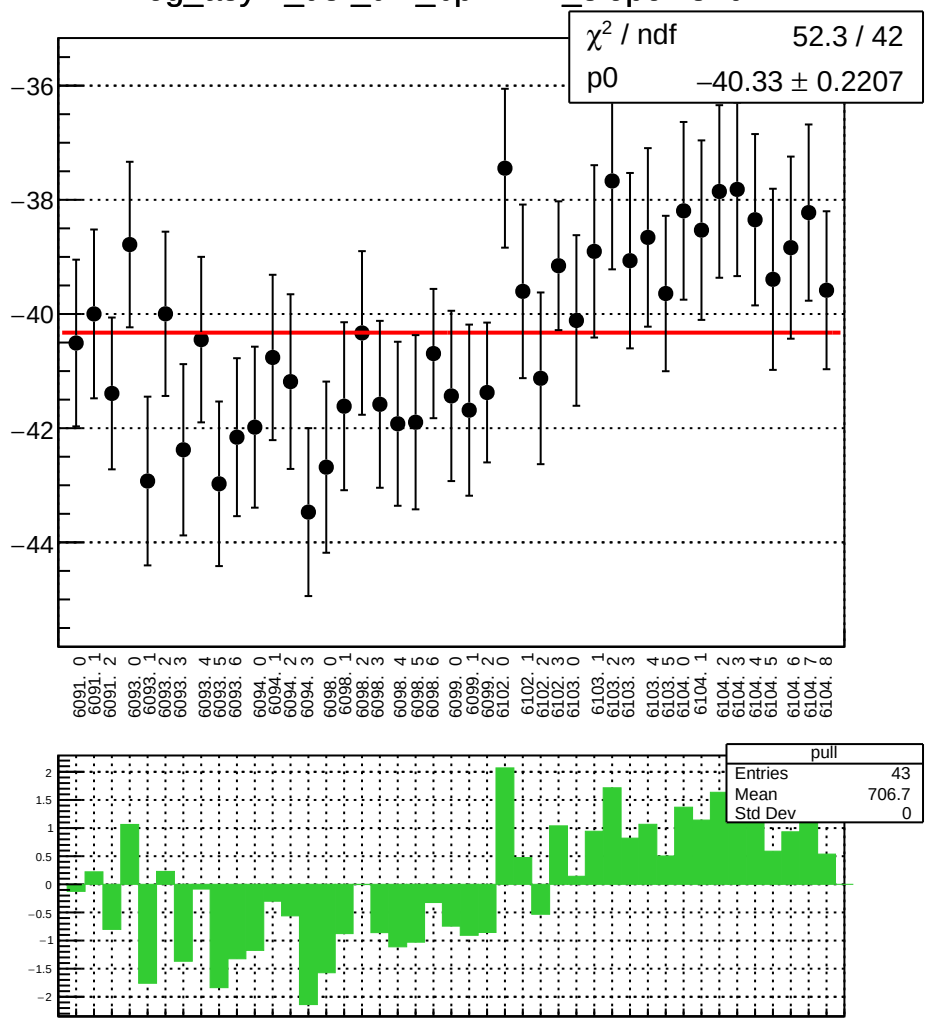

pull1D
Entries 43
Mean −0.00891
Std Dev 0.602
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

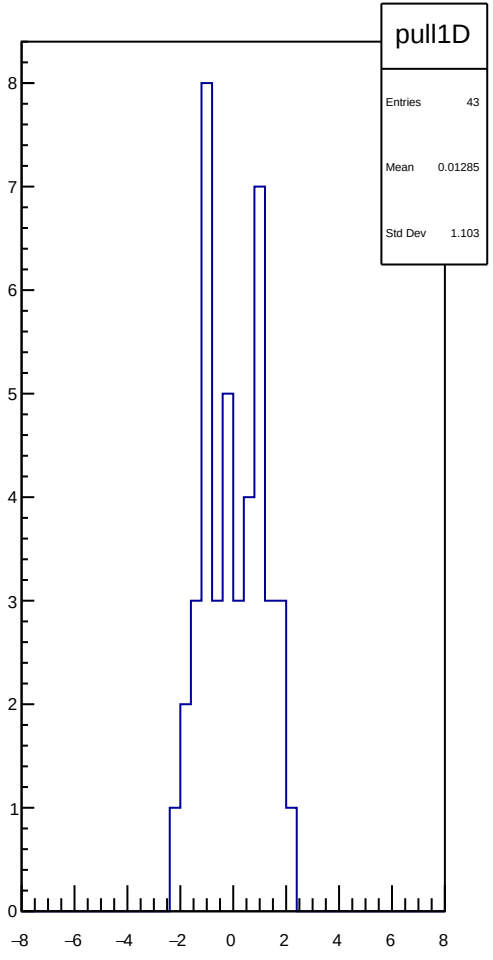

reg_asym_usr_diff_bpm4eX_slope vs run
χ² / ndf 18.38 / 42
p0 162.6 ± 2.916
200
180
160
140
120
100
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 312.4
Std Dev 0
1
0.5
0
−0.5
−1
−1.5
−2

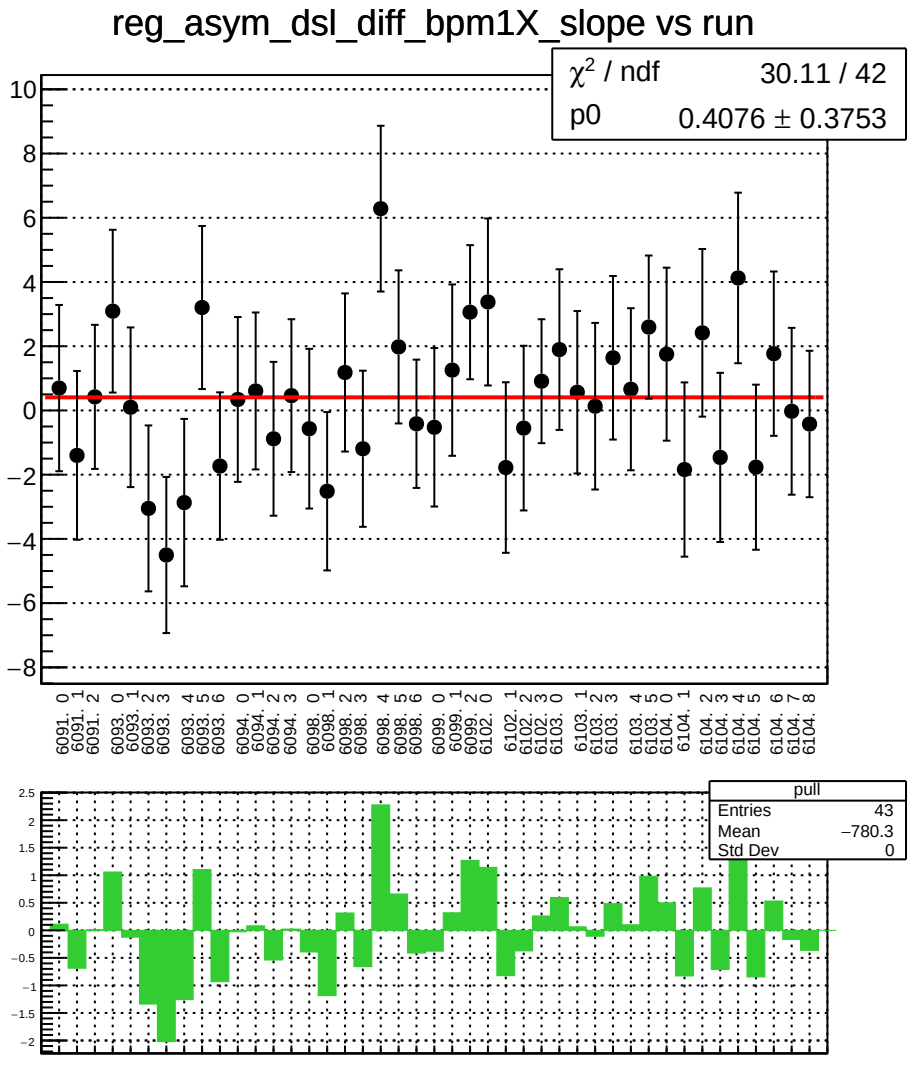

pull1D
Entries 43
Mean −0.004288
Std Dev 0.6537
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

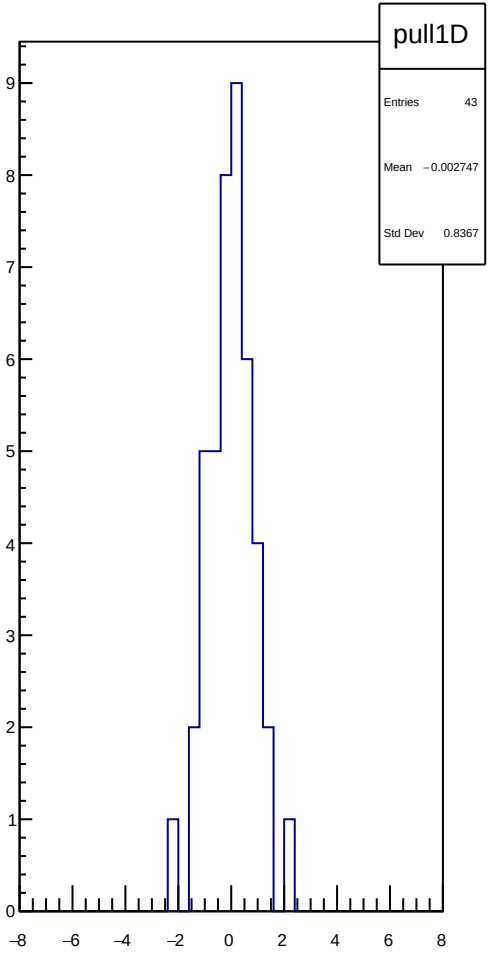

reg_asym_usr_diff_bpm4eY_slope vs run
χ² / ndf 16.82 / 42
p0 0.2465 ± 2.903
40
20
0
−20
−40
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 218.7
Std Dev 0
1
0.5
0
−0.5
−1

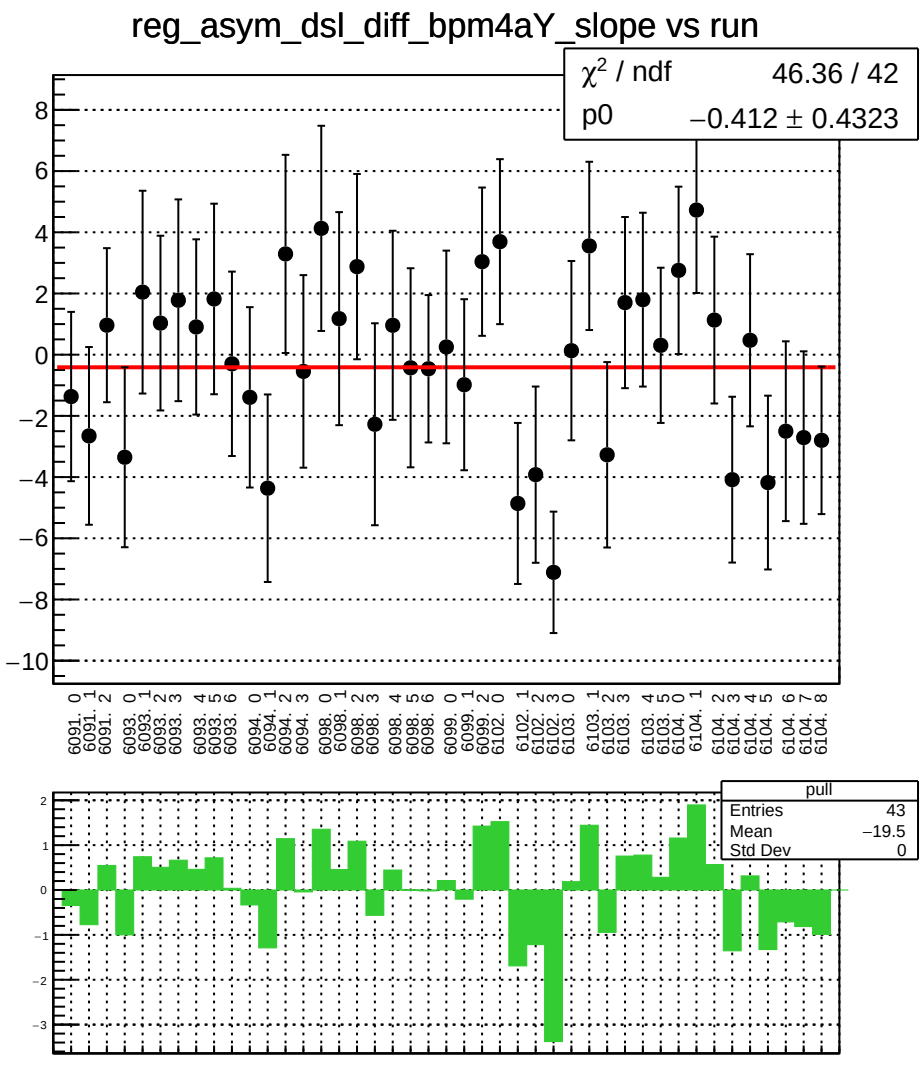

pull1D
Entries 43
Mean 0.01096
Std Dev 0.6254
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

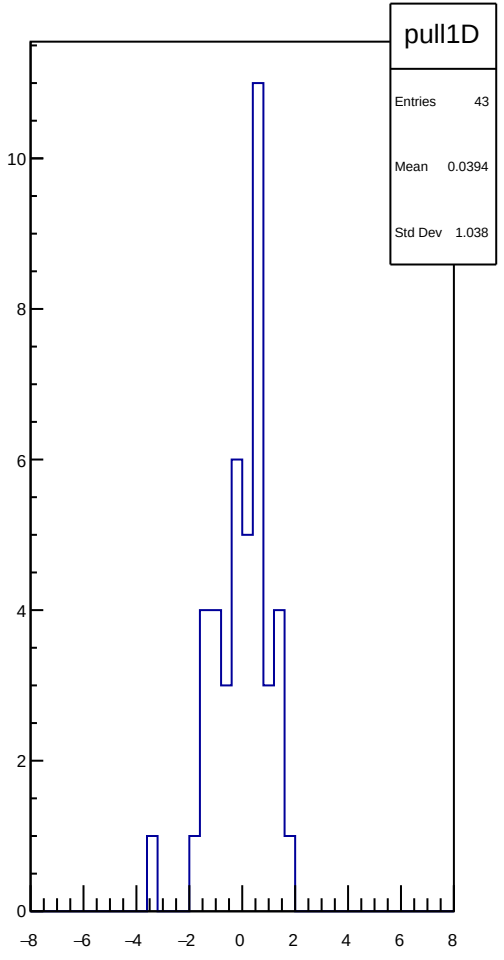

reg_asym_usr_diff_bpm12X_slope vs run
χ² / ndf 52.3 / 42
p0 −40.33 ± 0.2207
−36
−38
−40
−42
−44
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 706.7
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

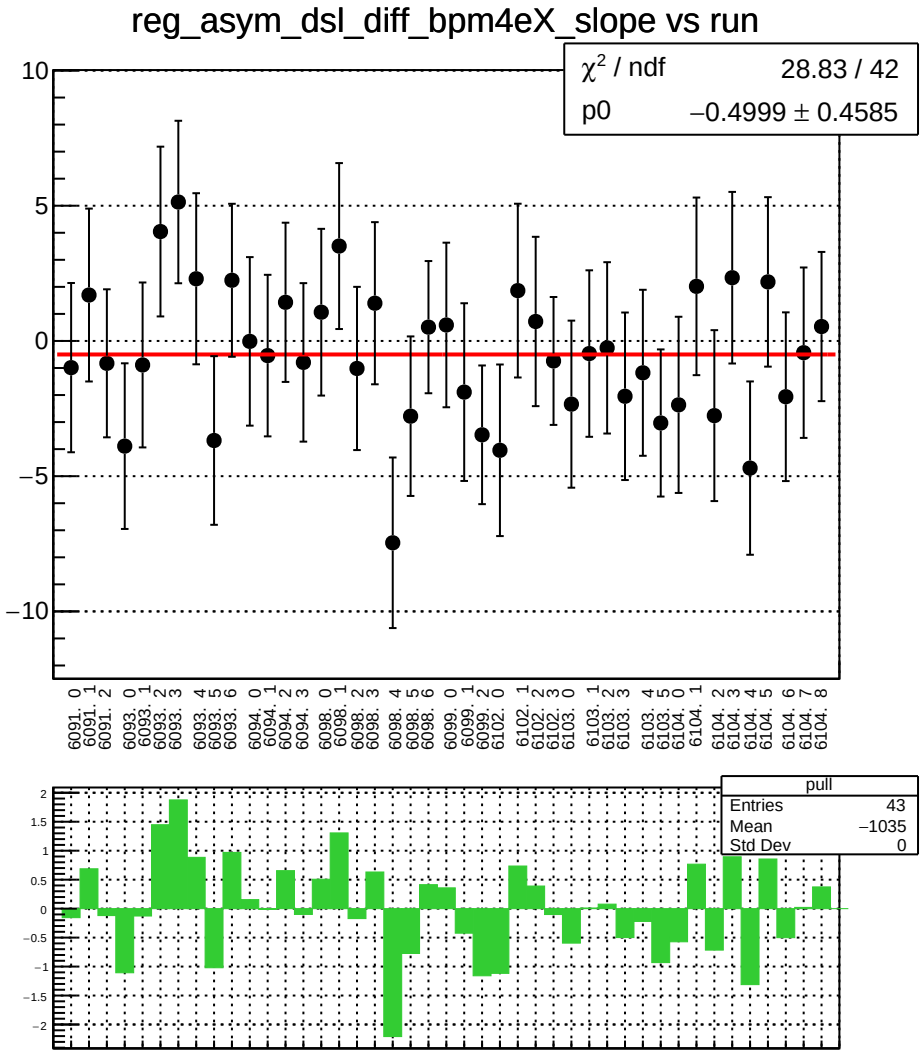

pull1D
Entries 43
Mean 0.01285
Std Dev 1.103
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

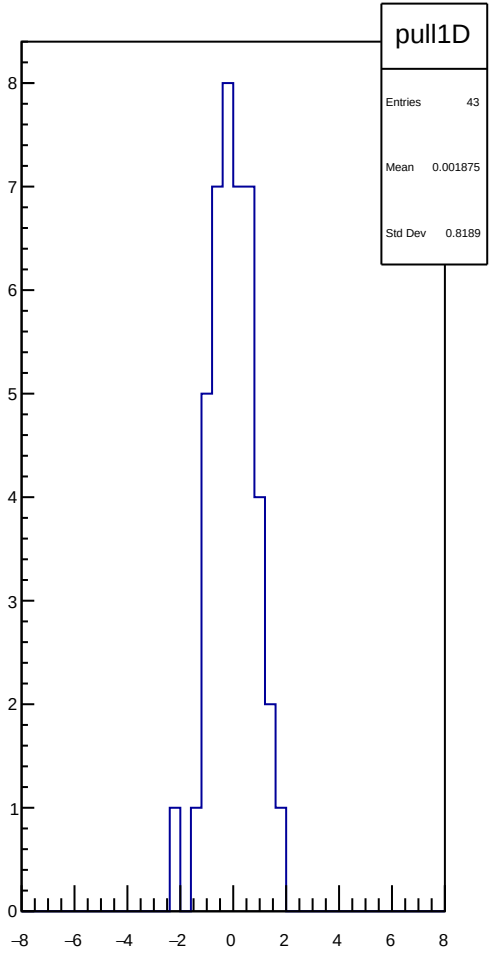

reg_asym_dsl_diff_bpm1X_slope vs run
χ² / ndf 30.11 / 42
p0 0.4076 ± 0.3753
pull
Entries 43
Mean −780.3
Std Dev 0

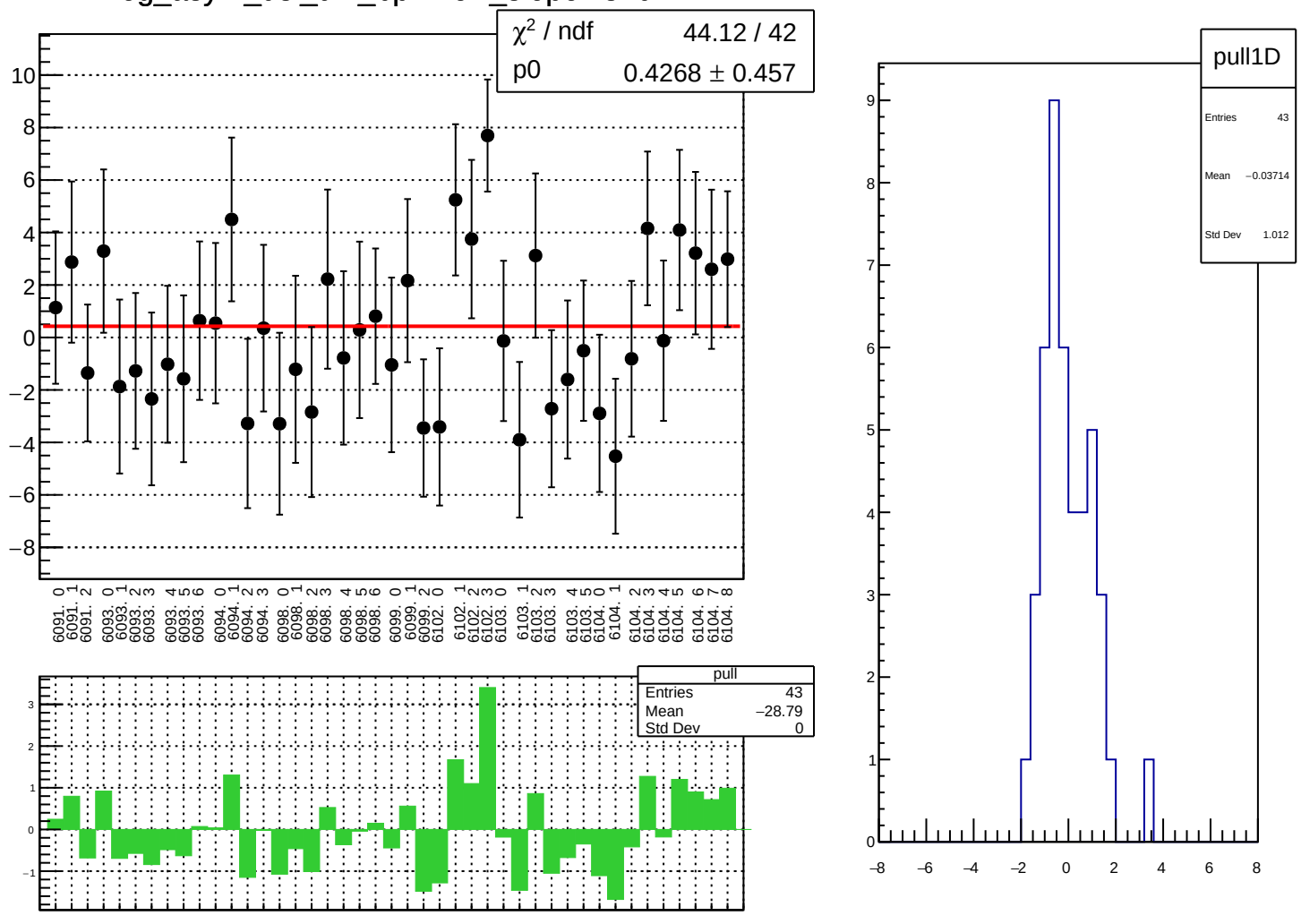

pull1D
Entries 43
Mean −0.002747
Std Dev 0.8367

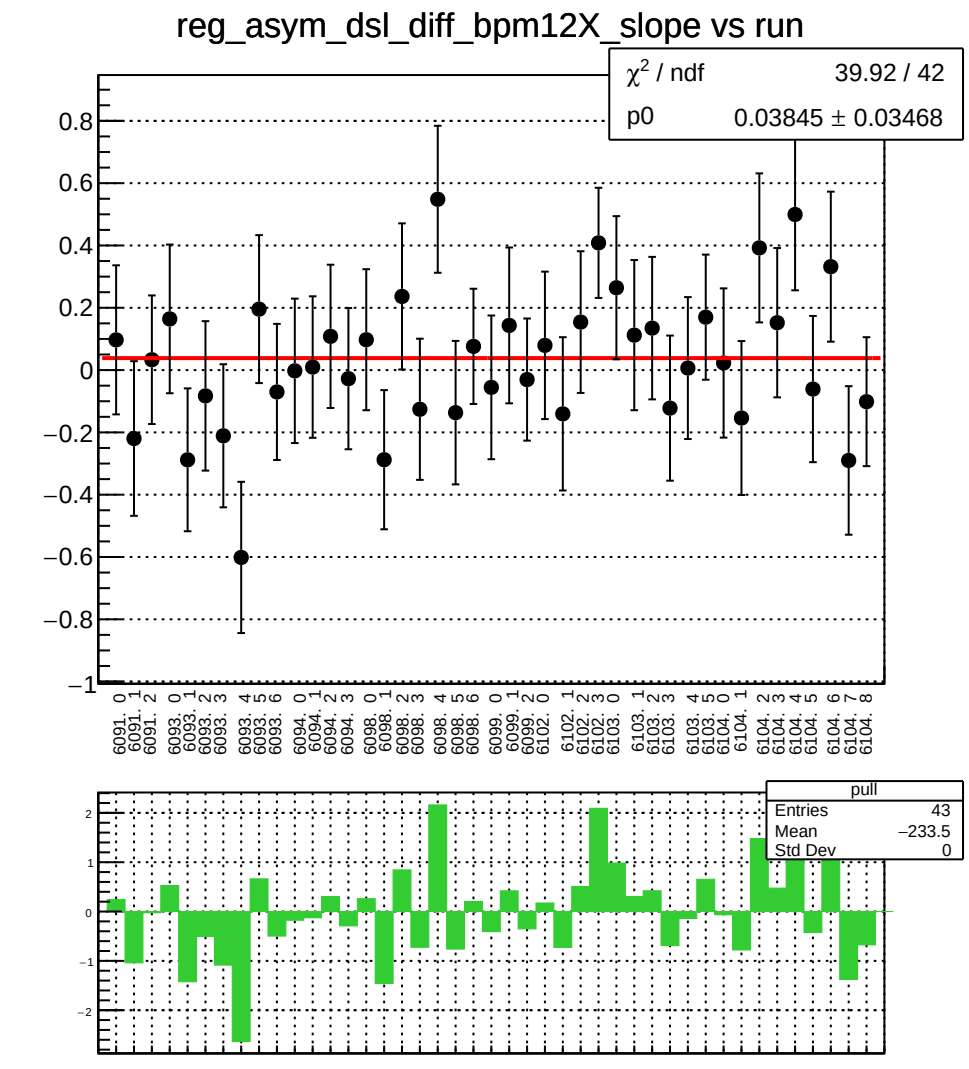

reg_asym_dsl_diff_bpm4aY_slope vs run
χ² / ndf 46.36 / 42
p0 −0.412 ± 0.4323
pull
Entries 43
Mean −19.5
Std Dev 0

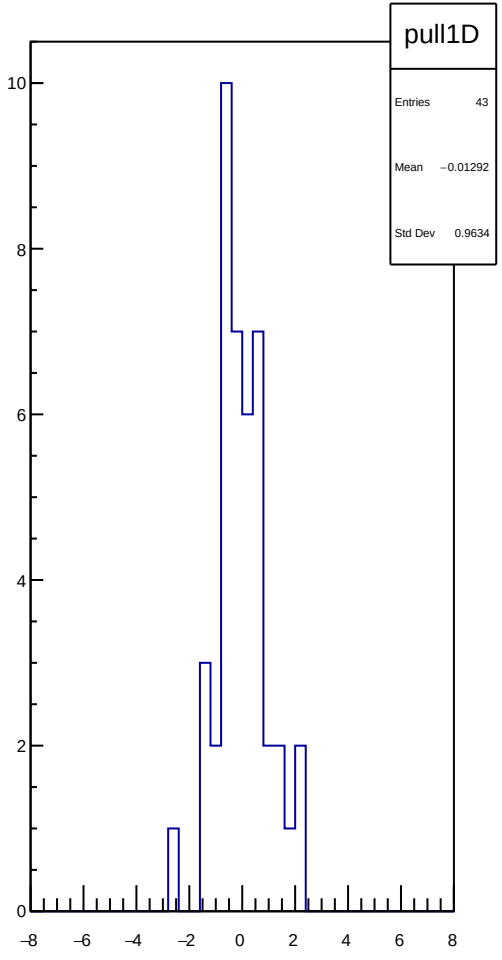

pull1D
Entries 43
Mean 0.0394
Std Dev 1.038

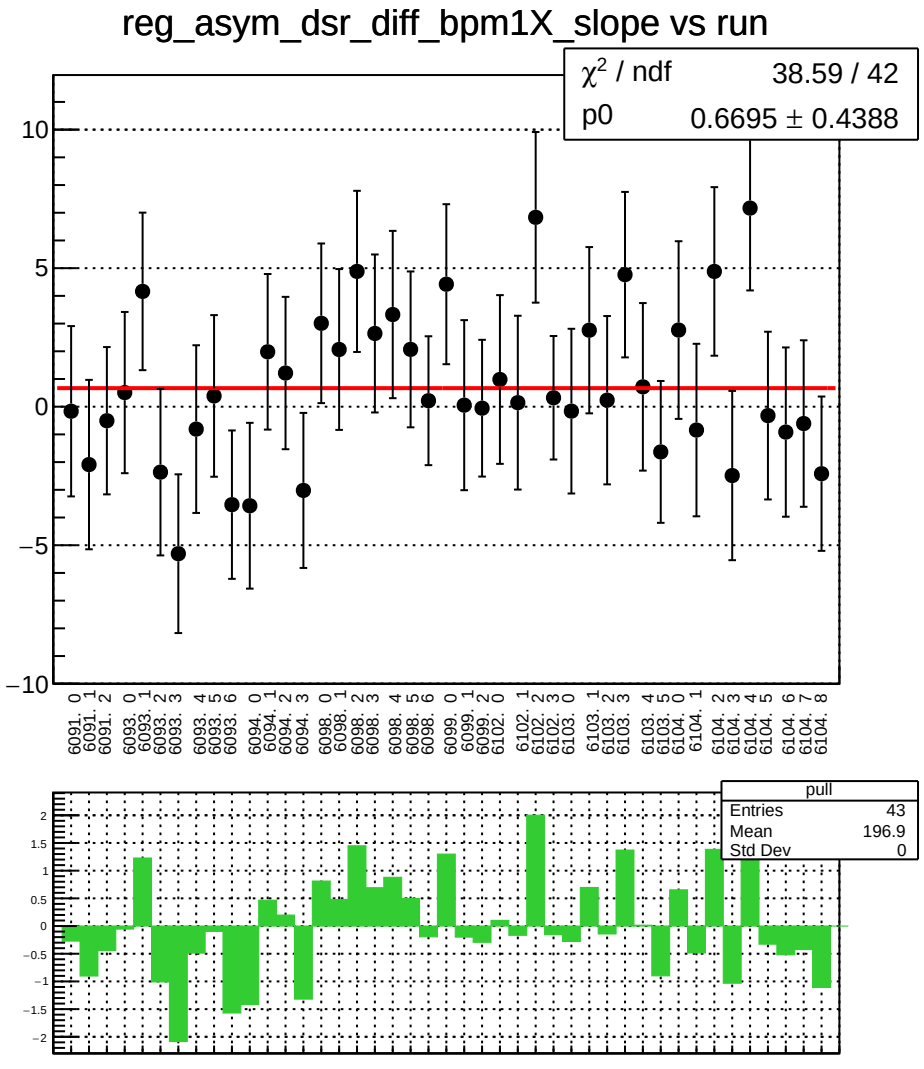

reg_asym_dsl_diff_bpm4eX_slope vs run
χ² / ndf 28.83 / 42
p0 −0.4999 ± 0.4585
10
5
0
−5
−10
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean −1035
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

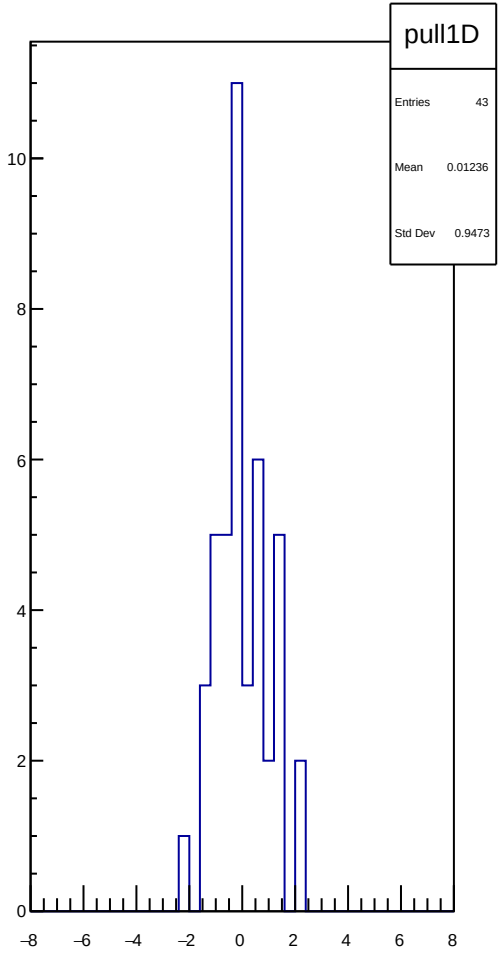

pull1D
Entries 43
Mean 0.001875
Std Dev 0.8189
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

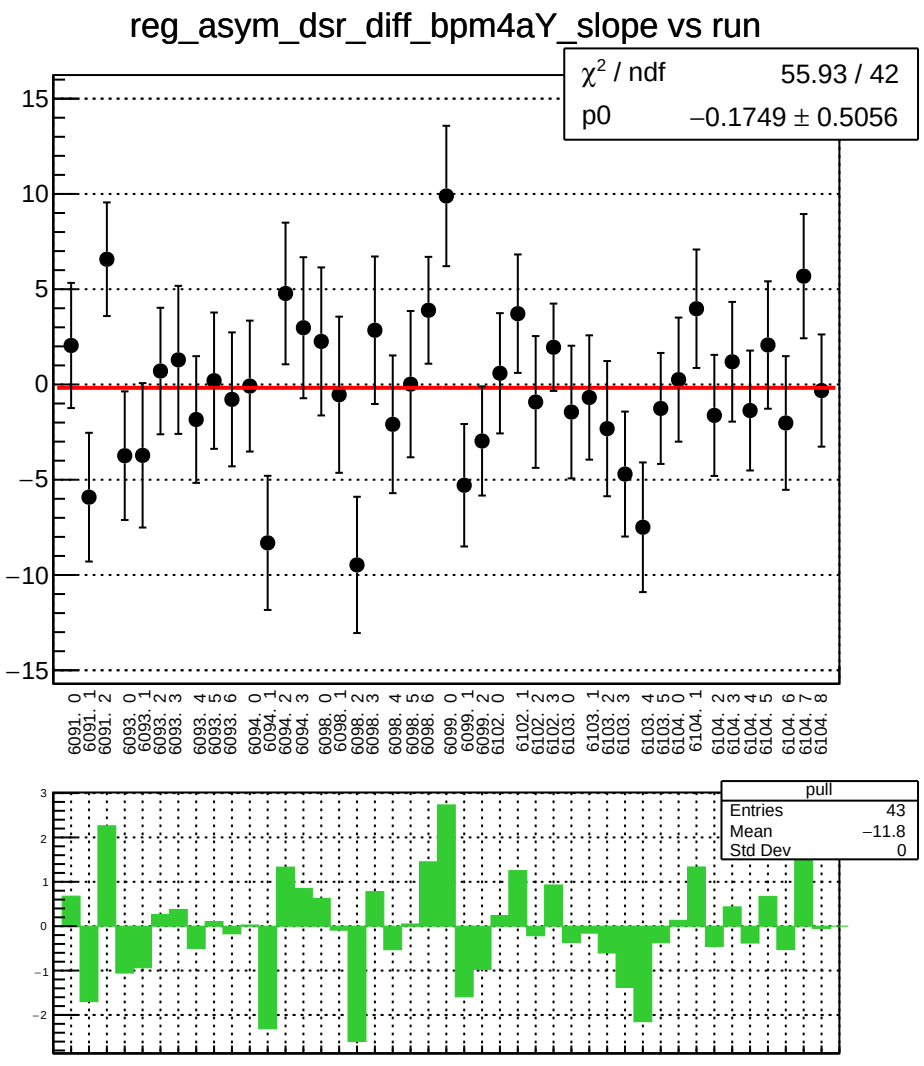

reg_asym_dsl_diff_bpm4eY_slope vs run
χ² / ndf 44.12 / 42
p0 0.4268 ± 0.457
pull
Entries 43
Mean −28.79
Std Dev 0
pull1D
Entries 43
Mean −0.03714
Std Dev 1.012

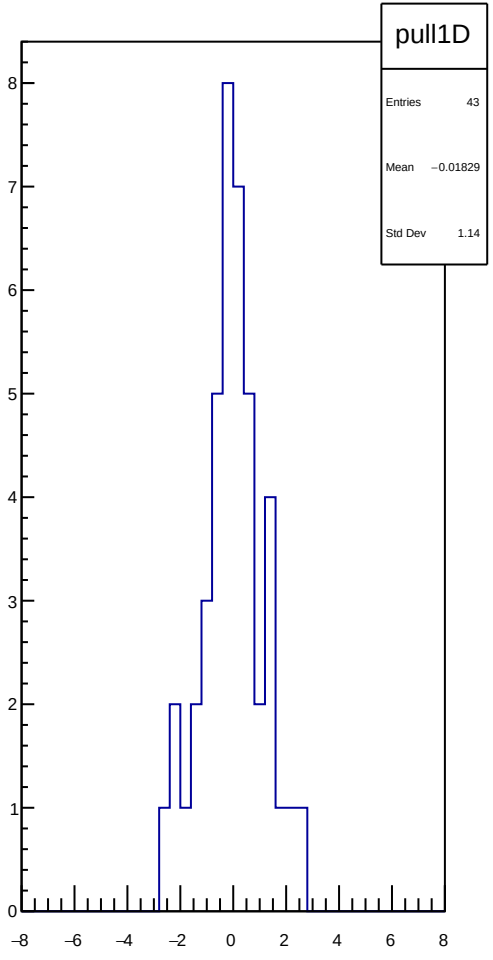

reg_asym_dsl_diff_bpm12X_slope vs run
χ² / ndf 39.92 / 42
p0 0.03845 ± 0.03468
pull
Entries 43
Mean −233.5
Std Dev 0

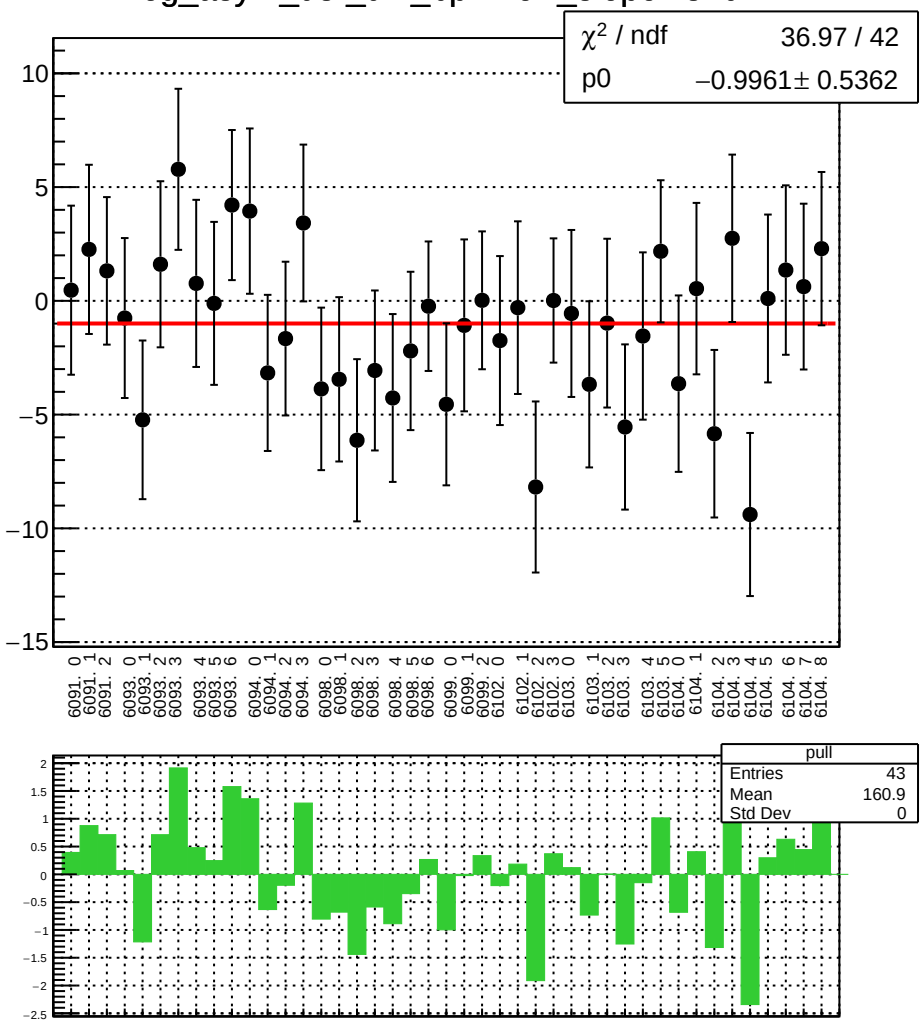

pull1D
Entries 43
Mean −0.01292
Std Dev 0.9634

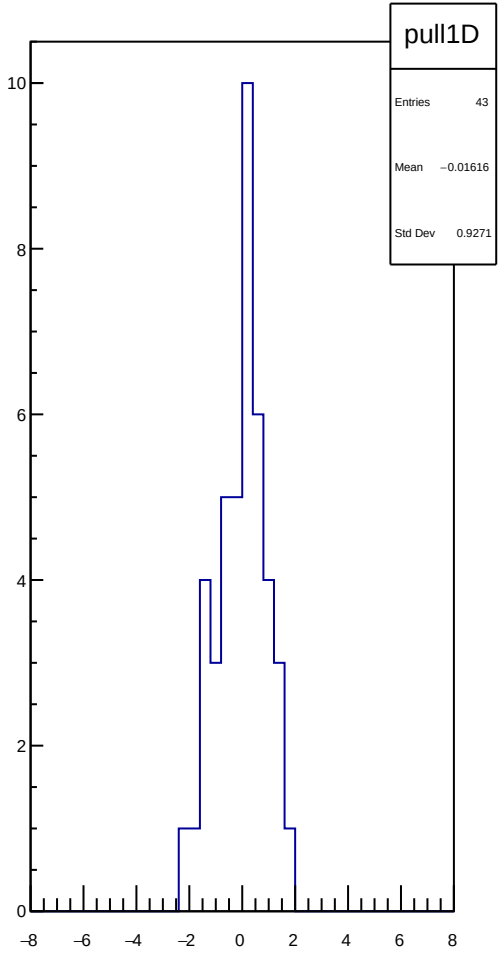

reg_asym_dsr_diff_bpm1X_slope vs run
χ² / ndf 38.59 / 42
p0 0.6695 ± 0.4388
10
5
0
−5
−10
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 196.9
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

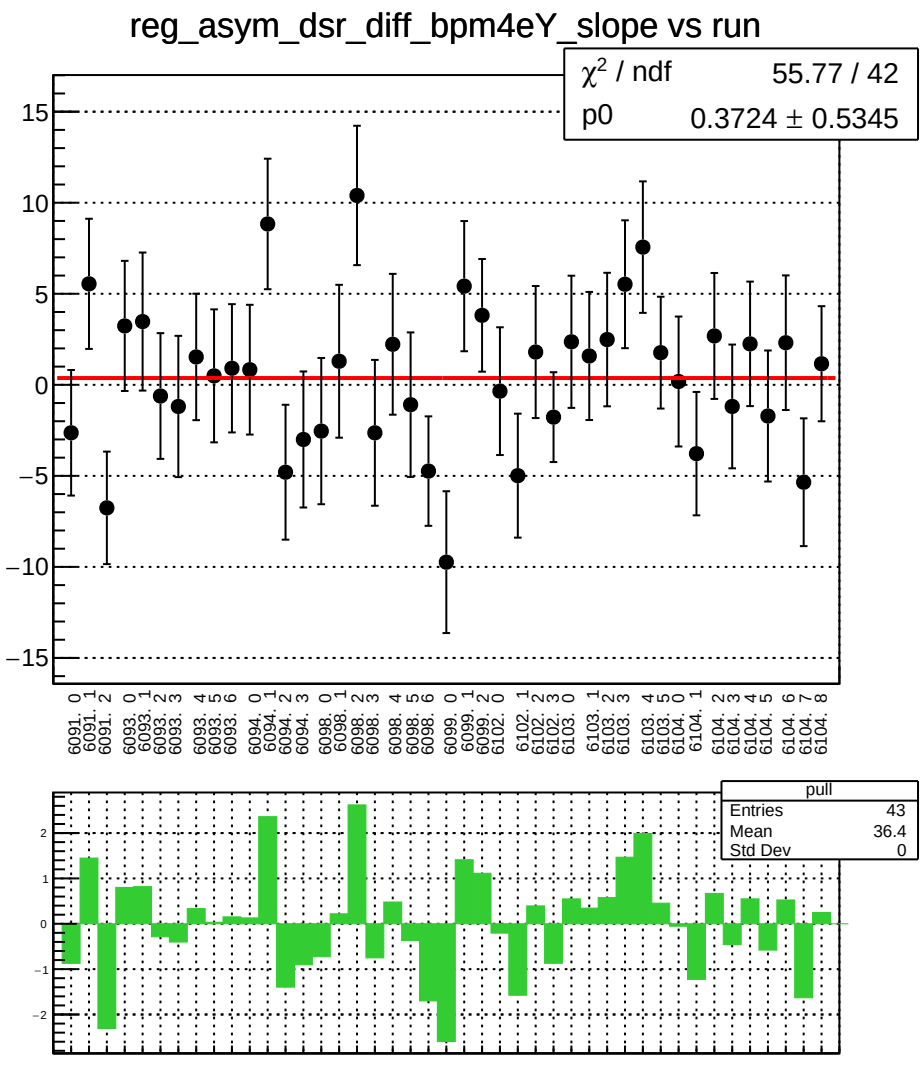

pull1D
Entries 43
Mean 0.01236
Std Dev 0.9473
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

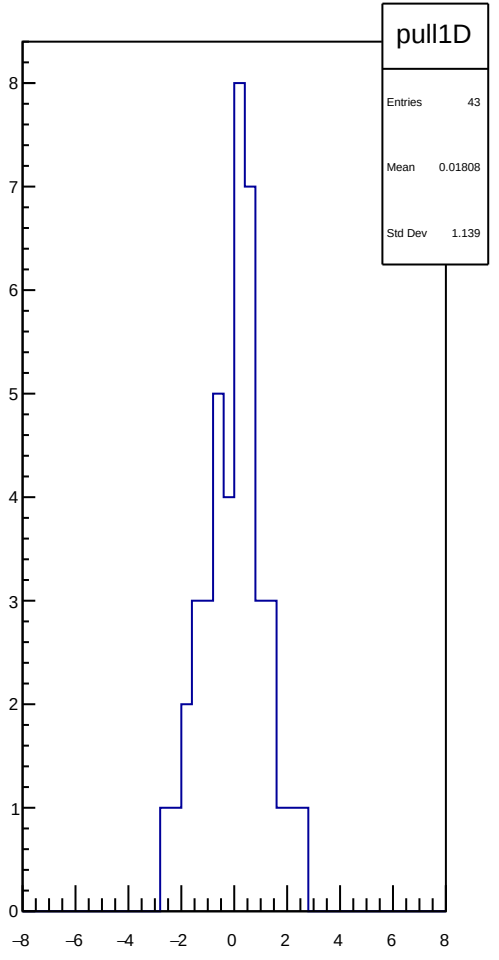

reg_asym_dsr_diff_bpm4aY_slope vs run
χ² / ndf 55.93 / 42
p0 −0.1749 ± 0.5056
pull
Entries 43
Mean −11.8
Std Dev 0

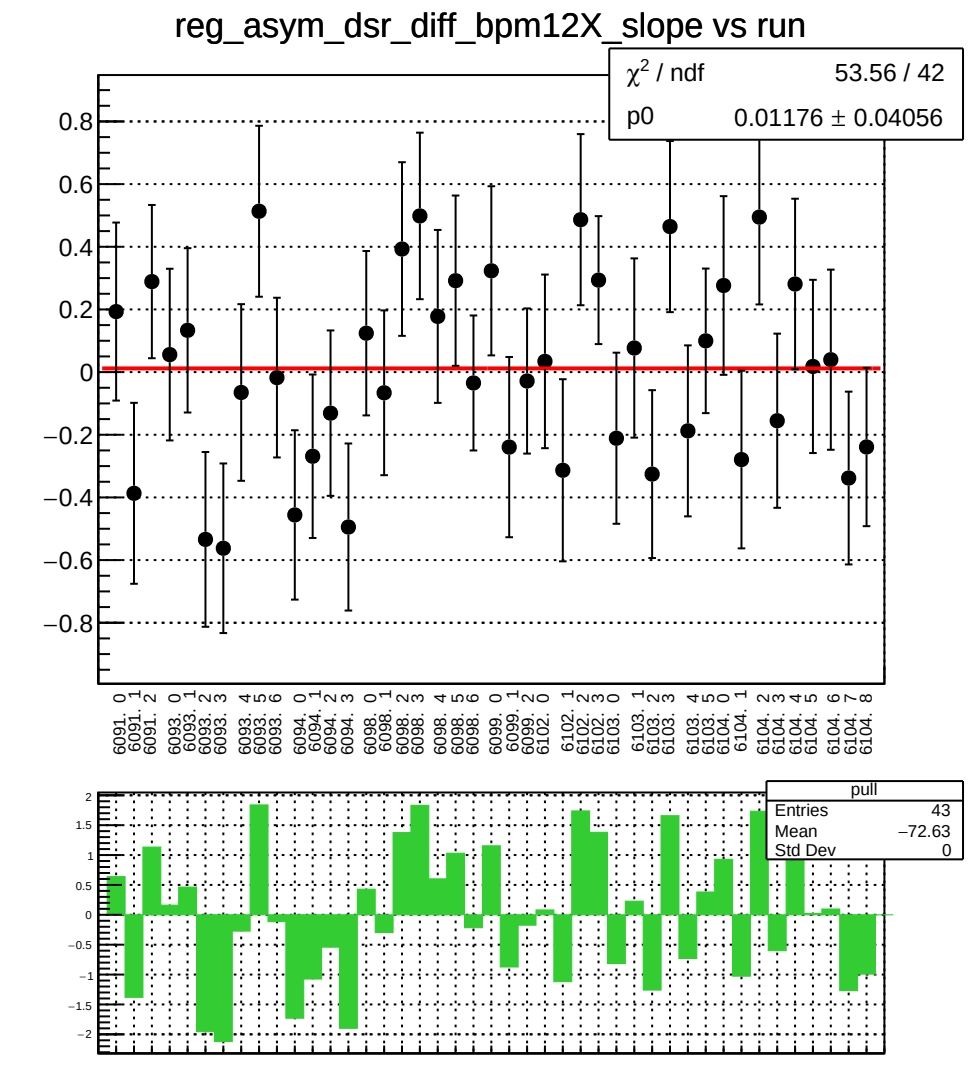

pull1D
Entries 43
Mean −0.01829
Std Dev 1.14

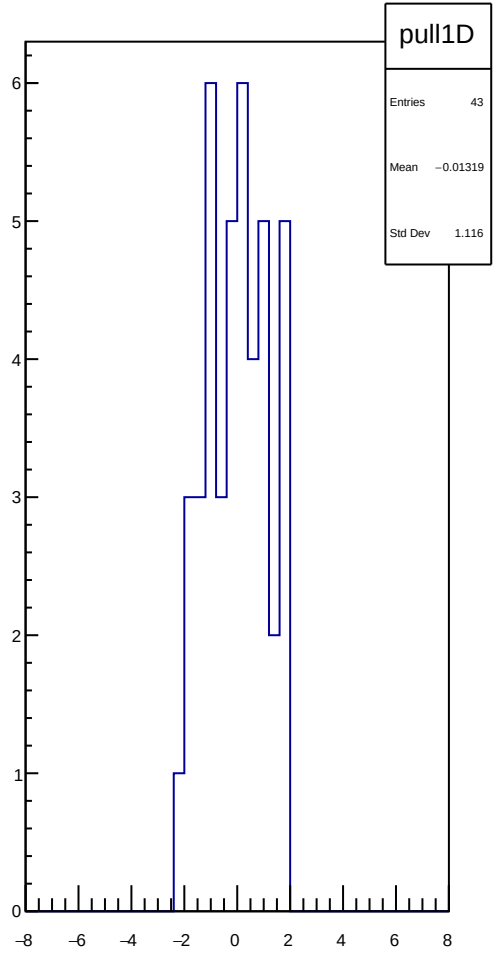

reg_asym_dsr_diff_bpm4eX_slope vs run
χ² / ndf 36.97 / 42
p0 −0.9961± 0.5362
pull
Entries 43
Mean 160.9
Std Dev 0

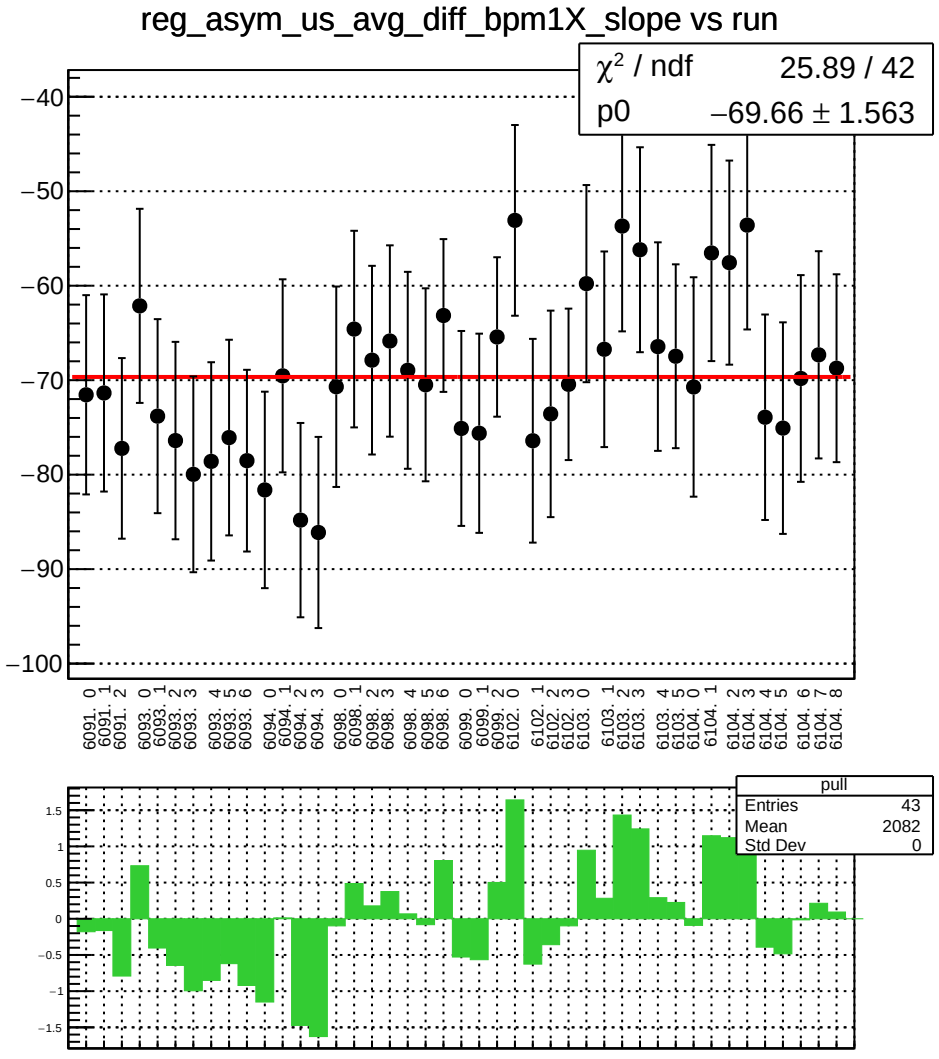

pull1D
Entries 43
Mean −0.01616
Std Dev 0.9271

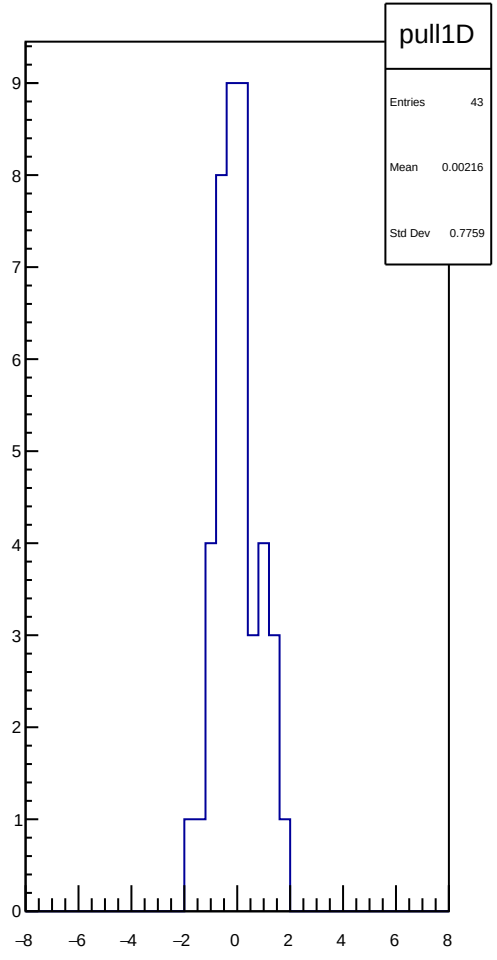

reg_asym_dsr_diff_bpm4eY_slope vs run
χ² / ndf 55.77 / 42
p0 0.3724 ± 0.5345
15
10
5
0
−5
−10
−15
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 36.4
Std Dev 0
2
1
0
−1
−2

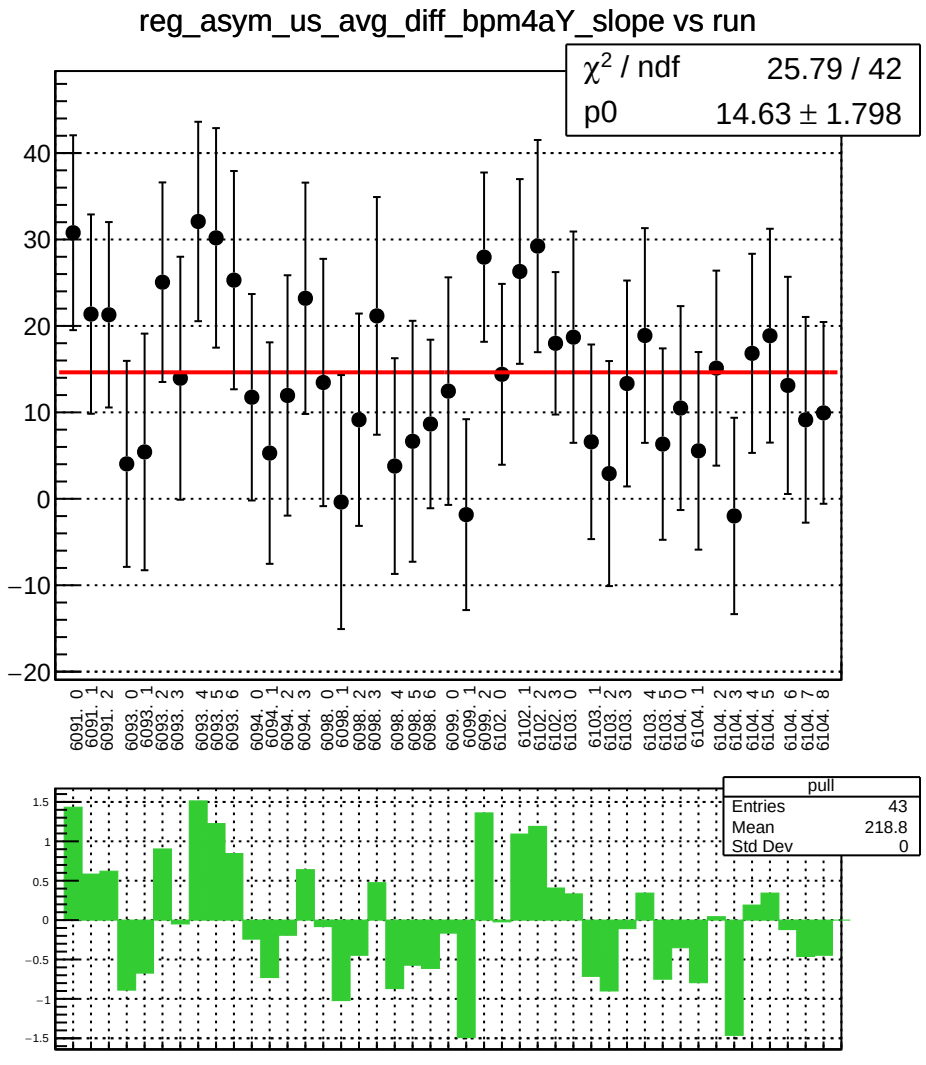

pull1D
Entries 43
Mean 0.01808
Std Dev 1.139
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

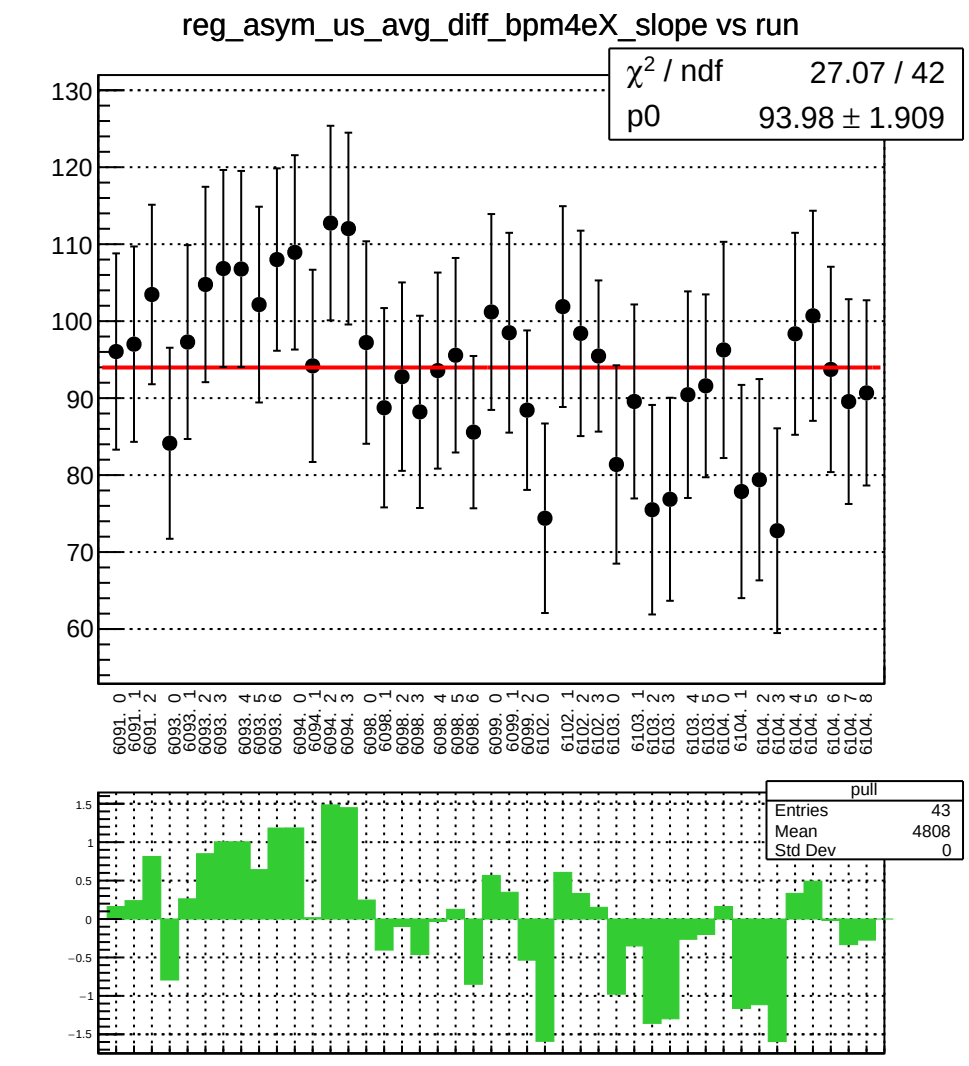

reg_asym_dsr_diff_bpm12X_slope vs run
χ² / ndf 53.56 / 42
p0 0.01176 ± 0.04056
pull
Entries 43
Mean −72.63
Std Dev 0

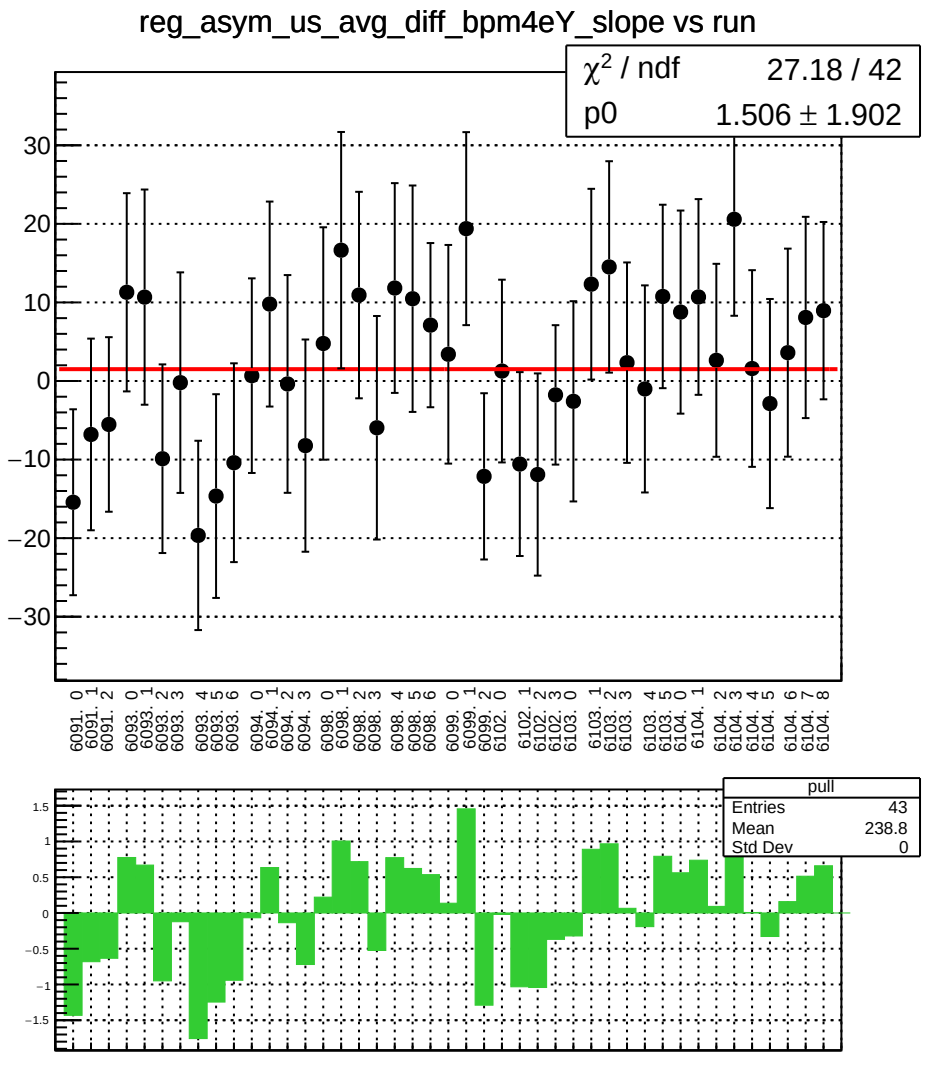

pull1D
Entries 43
Mean −0.01319
Std Dev 1.116

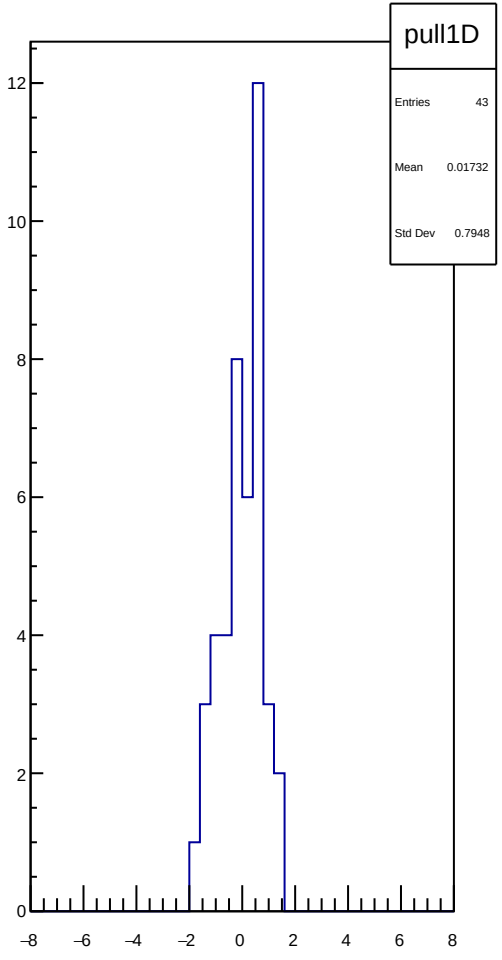

reg_asym_us_avg_diff_bpm1X_slope vs run
χ² / ndf 25.89 / 42
p0 −69.66 ± 1.563
pull
Entries 43
Mean 2082
Std Dev 0

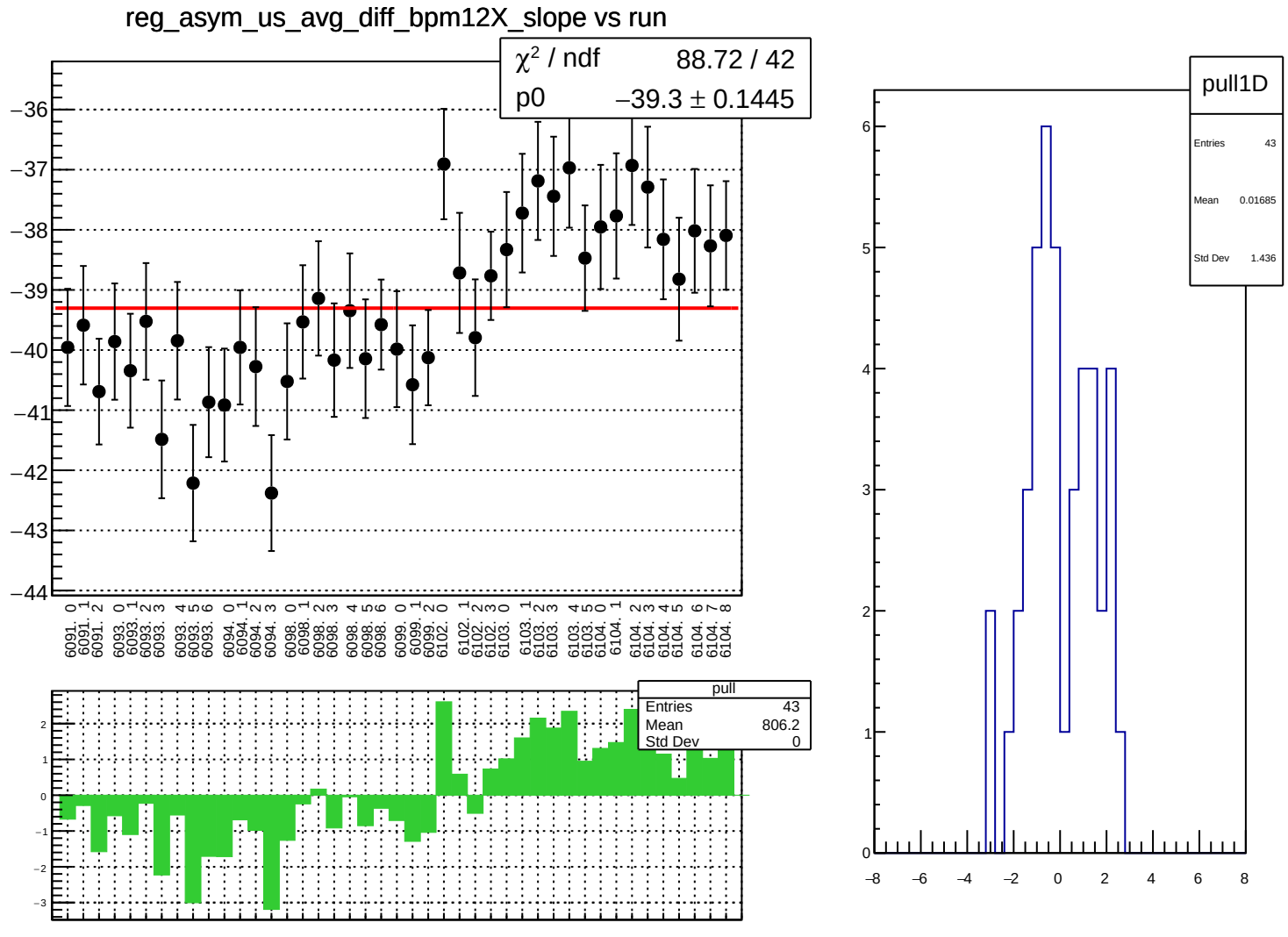

pull1D
Entries 43
Mean 0.00216
Std Dev 0.7759

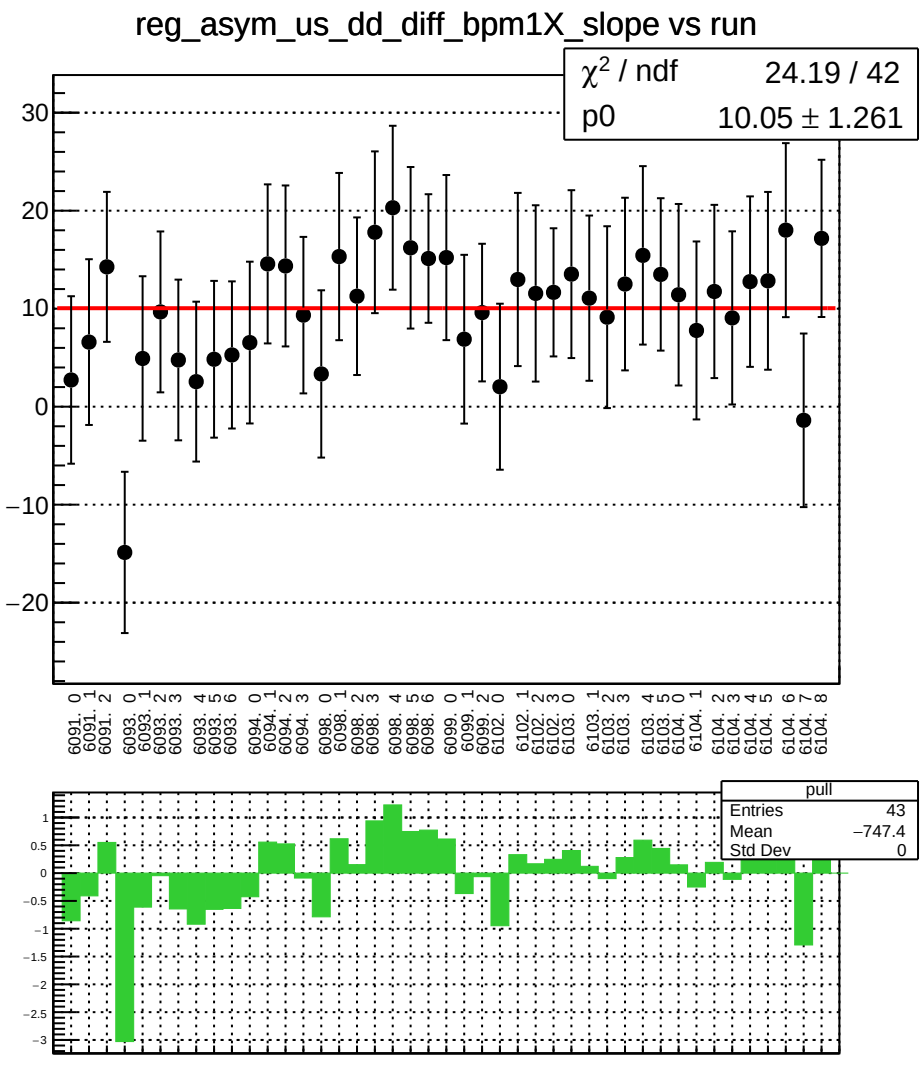

reg_asym_us_avg_diff_bpm4aY_slope vs run
χ² / ndf 25.79 / 42
p0 14.63 ± 1.798
pull
Entries 43
Mean 218.8
Std Dev 0
pull1D
Entries 43
Mean −0.01449
Std Dev 0.7743

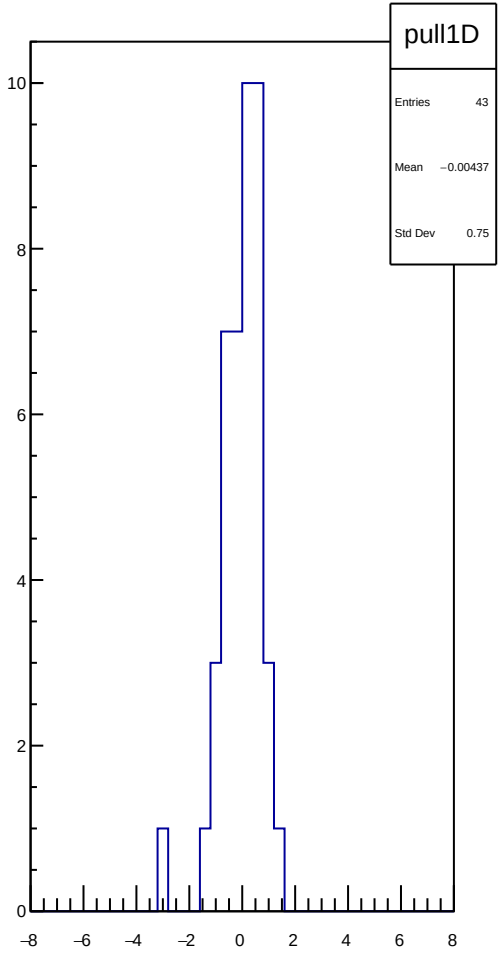

reg_asym_us_avg_diff_bpm4eX_slope vs run
χ² / ndf 27.07 / 42
p0 93.98 ± 1.909
130
120
110
100
90
80
70
60
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 4808
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 43
Mean −0.001015
Std Dev 0.7934
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

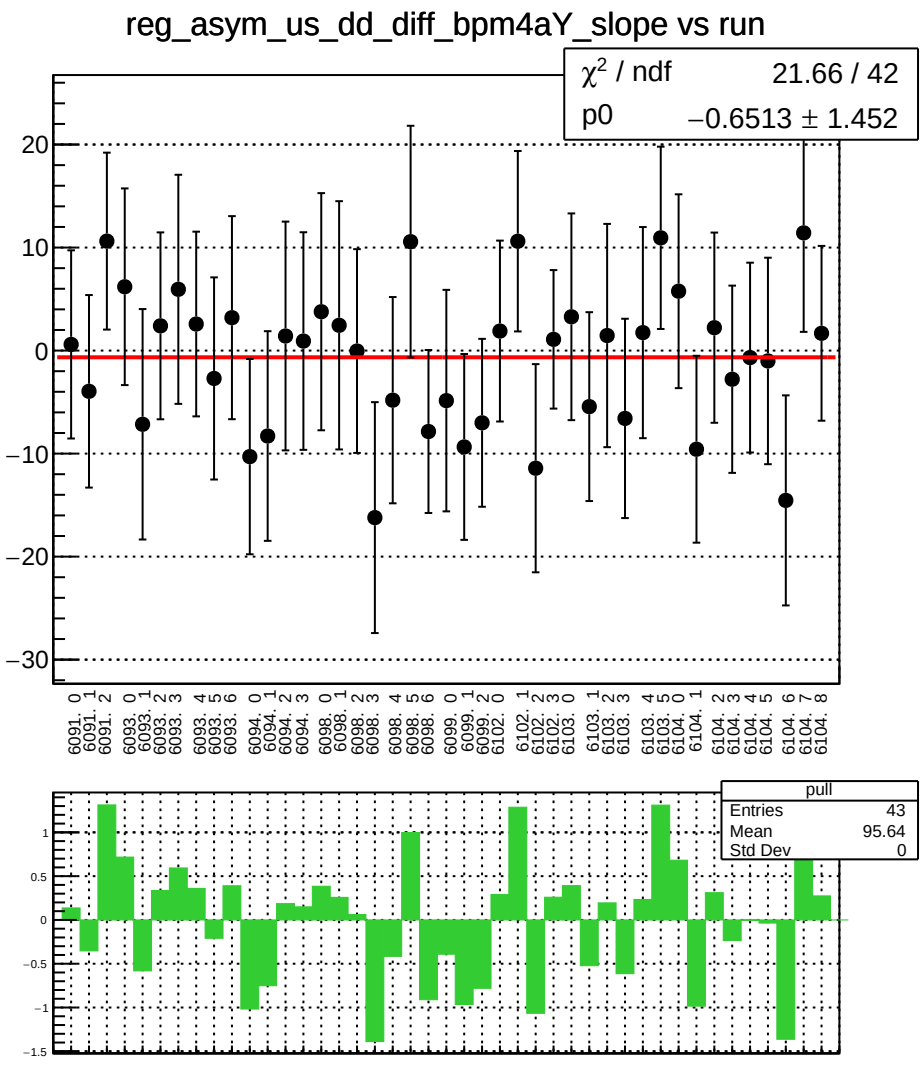

reg_asym_us_avg_diff_bpm4eY_slope vs run
χ² / ndf 27.18 / 42
p0 1.506 ± 1.902
30
20
10
0
−10
−20
−30
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 238.8
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5

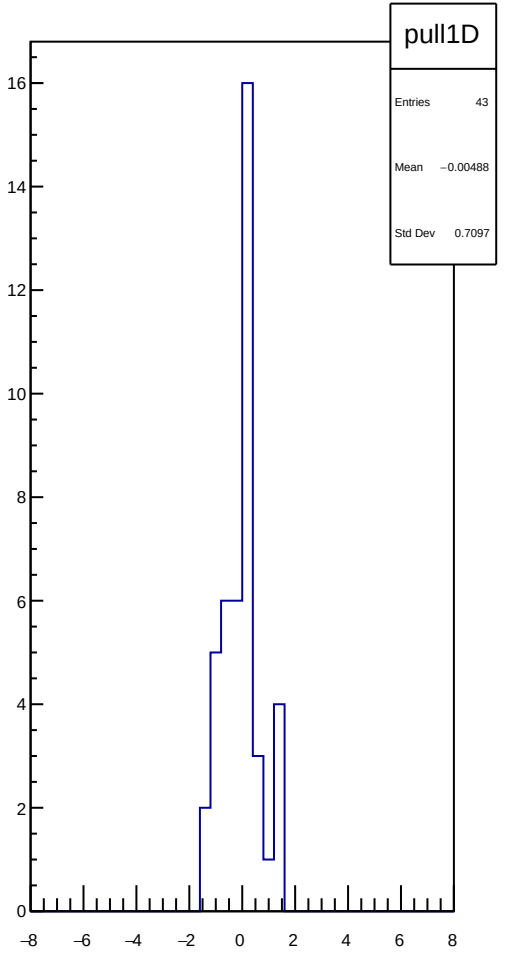

pull1D
Entries 43
Mean 0.01732
Std Dev 0.7948
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

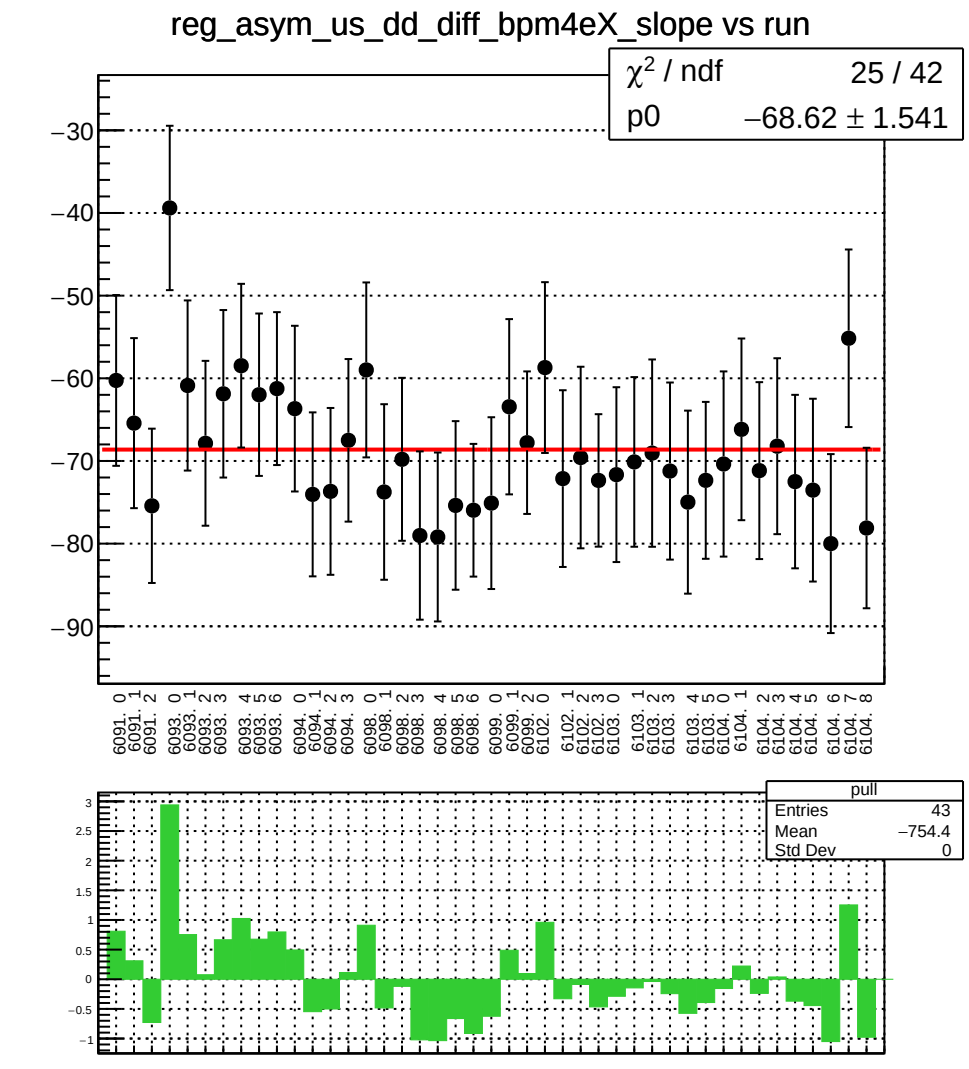

reg_asym_us_avg_diff_bpm12X_slope vs run
χ² / ndf 88.72 / 42
p0 −39.3 ± 0.1445
pull
Entries 43
Mean 806.2
Std Dev 0
pull1D
Entries 43
Mean 0.01685
Std Dev 1.436

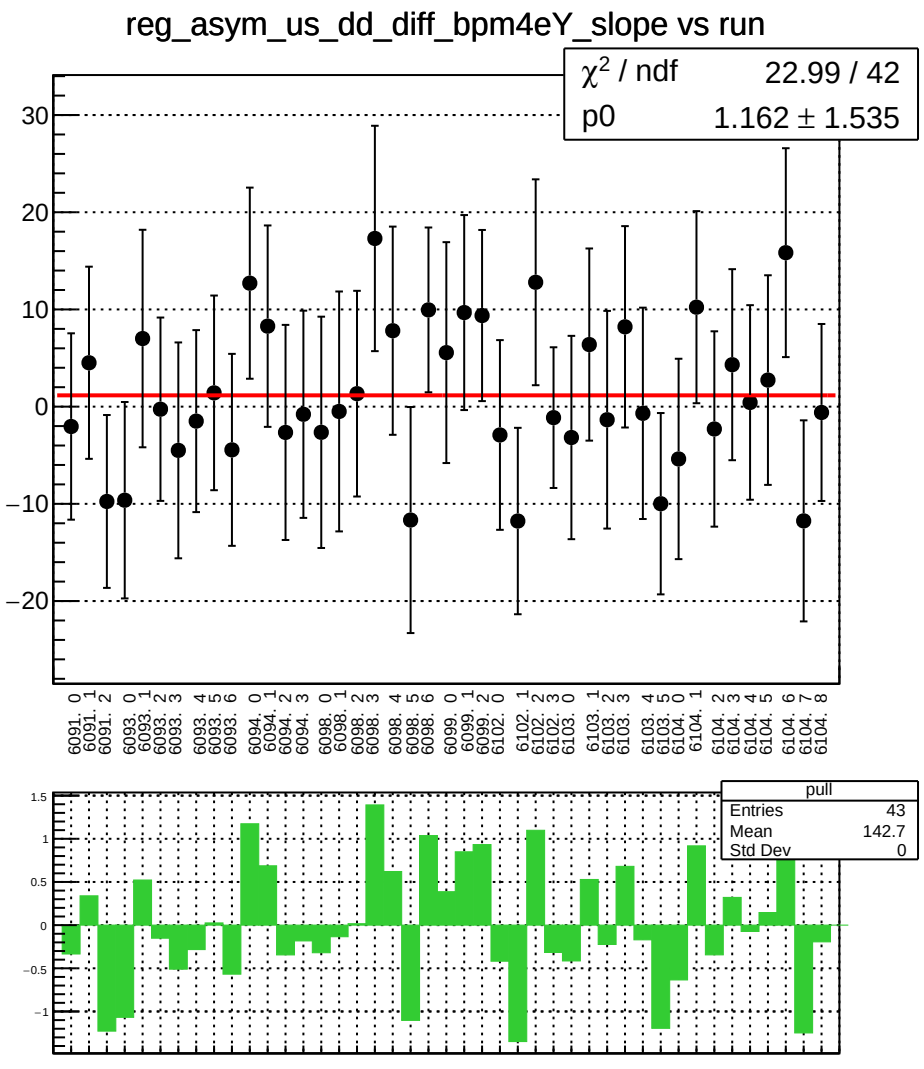

reg_asym_us_dd_diff_bpm1X_slope vs run
χ² / ndf 24.19 / 42
p0 10.05 ± 1.261
pull
Entries 43
Mean −747.4
Std Dev 0

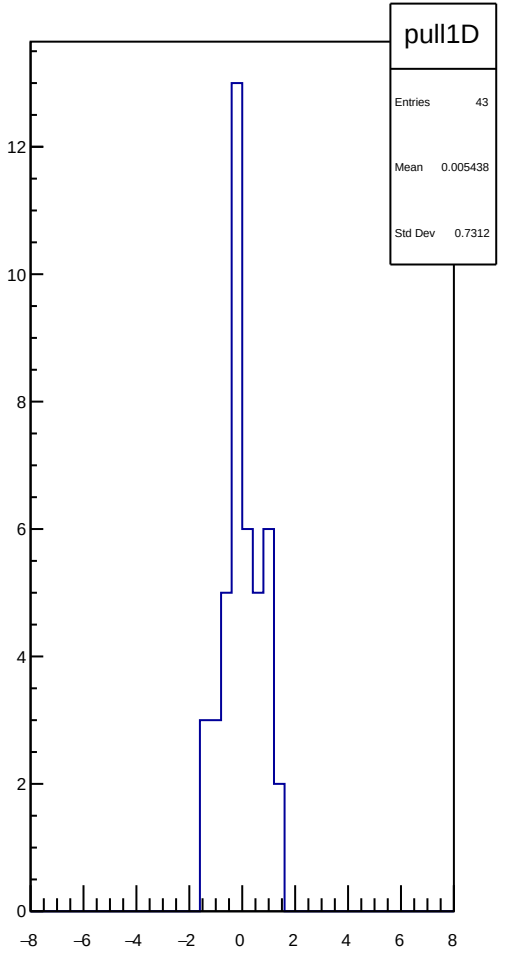

pull1D
Entries 43
Mean −0.00437
Std Dev 0.75

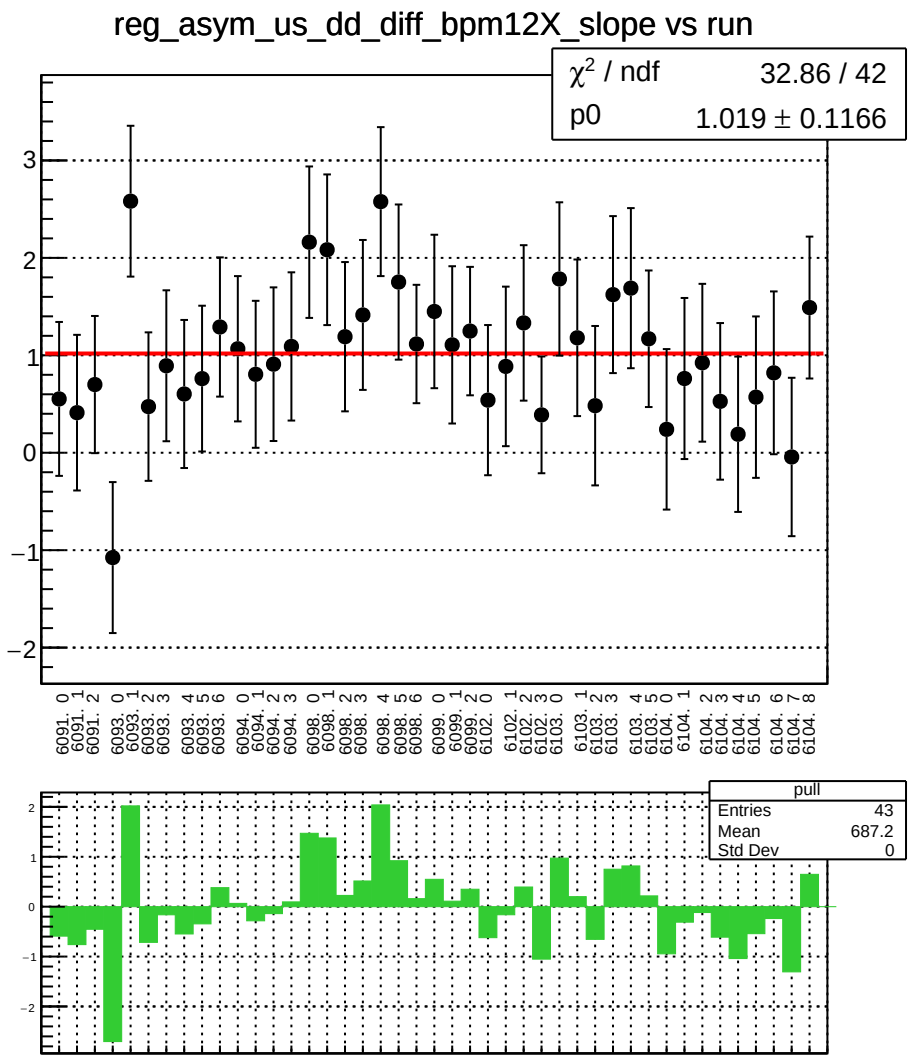

reg_asym_us_dd_diff_bpm4aY_slope vs run
χ² / ndf 21.66 / 42
p0 −0.6513 ± 1.452
20
10
0
−10
−20
−30
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 95.64
Std Dev 0
1
0.5
0
−0.5
−1
−1.5

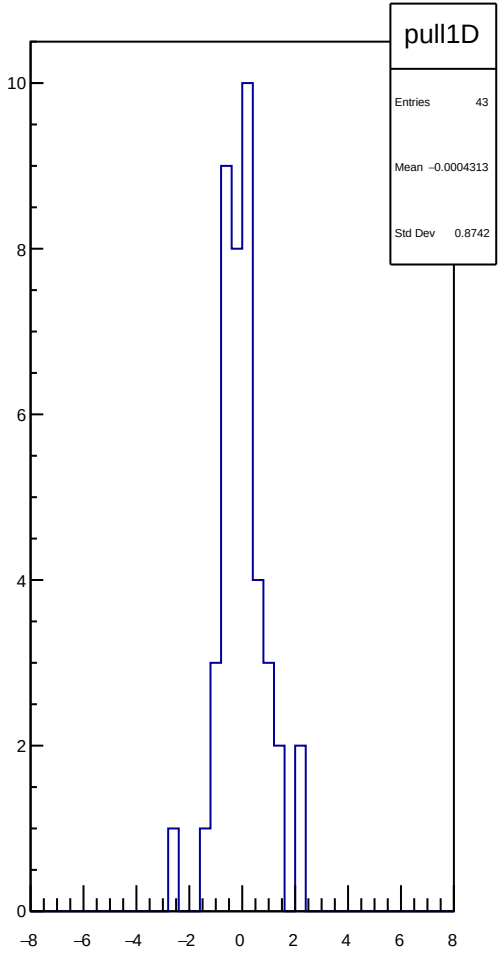

pull1D
Entries 43
Mean −0.00488
Std Dev 0.7097
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

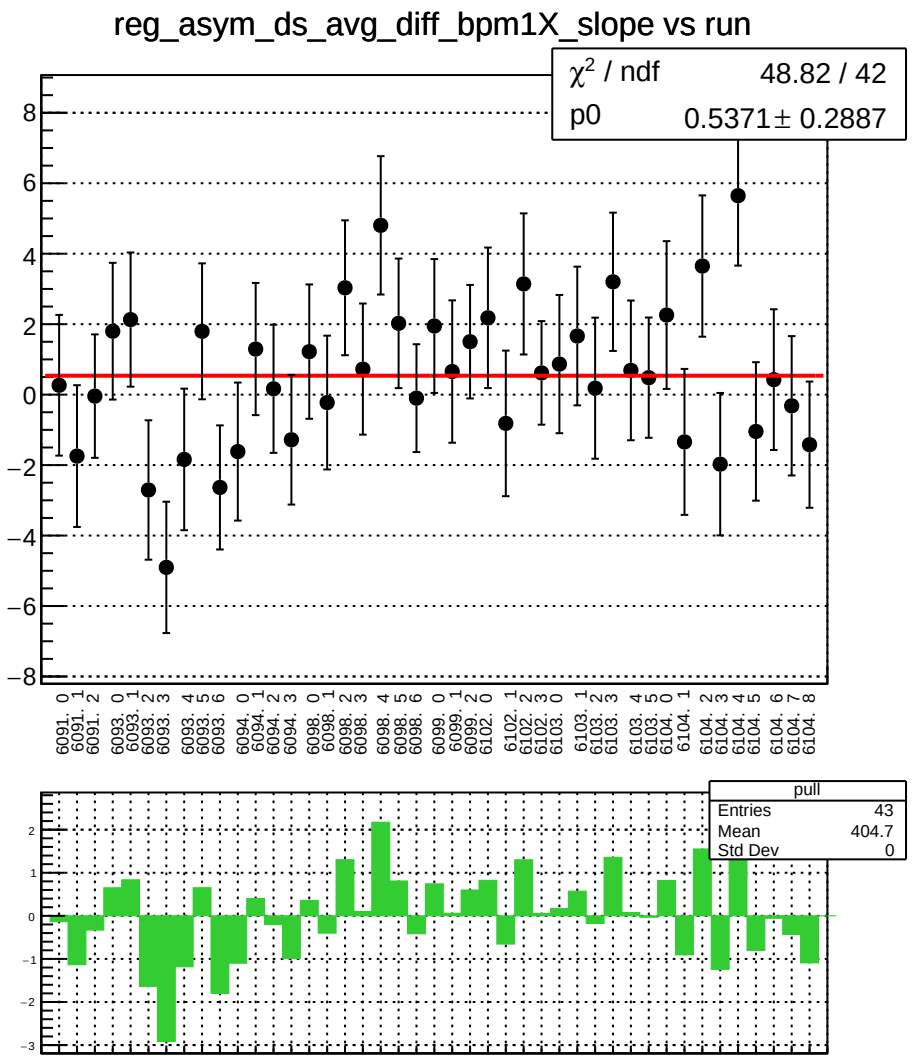

reg_asym_us_dd_diff_bpm4eX_slope vs run
χ² / ndf 25 / 42
p0 −68.62 ± 1.541
−30
−40
−50
−60
−70
−80
−90
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean −754.4
Std Dev 0
3
2.5
2
1.5
1
0.5
0
−0.5
−1
pull1D
Entries 43
Mean 0.004745
Std Dev 0.7624
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

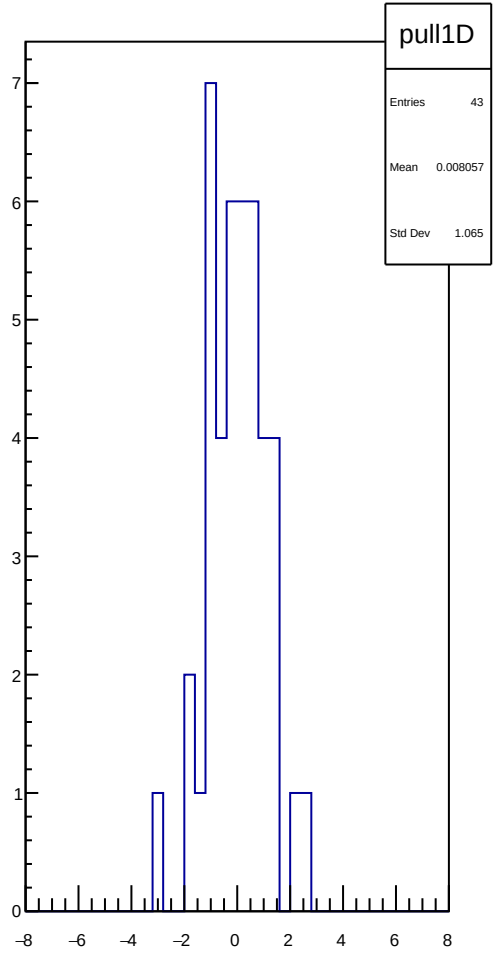

reg_asym_us_dd_diff_bpm4eY_slope vs run
χ² / ndf 22.99 / 42
p0 1.162 ± 1.535
30
20
10
0
−10
−20
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 142.7
Std Dev 0
1.5
1
0.5
0
−0.5
−1

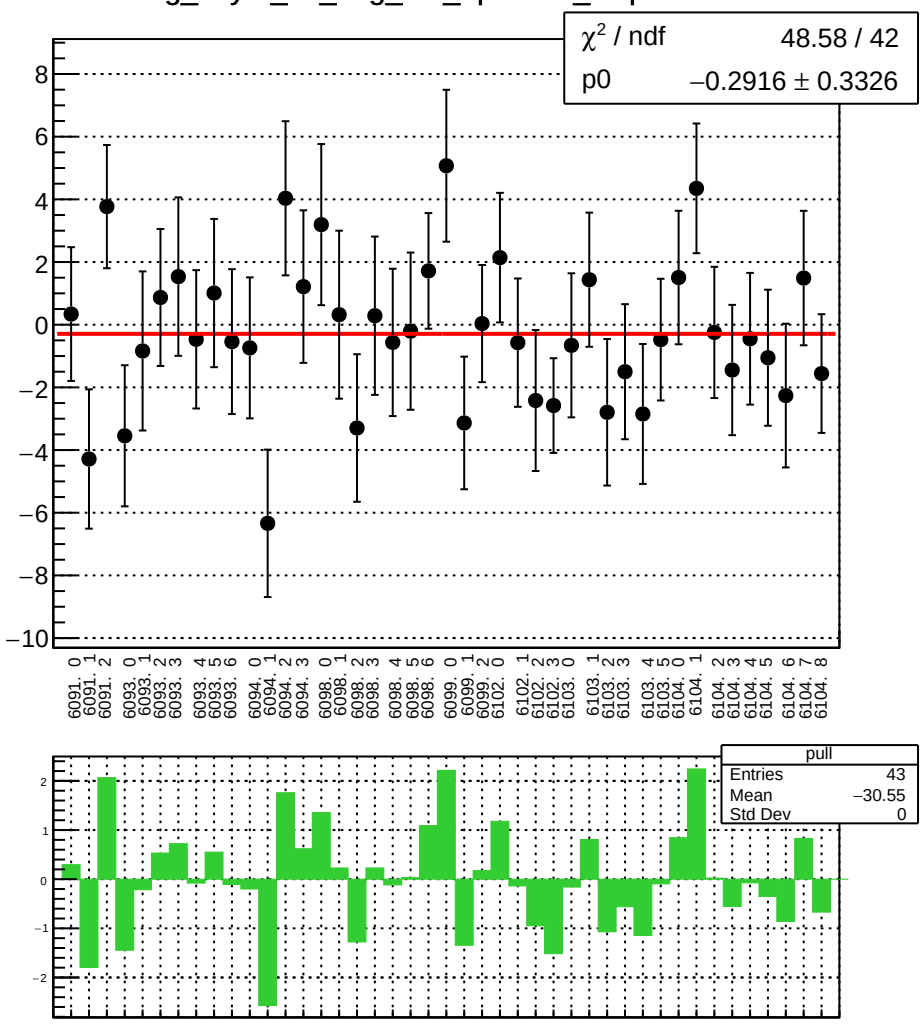

pull1D
Entries 43
Mean 0.005438
Std Dev 0.7312
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

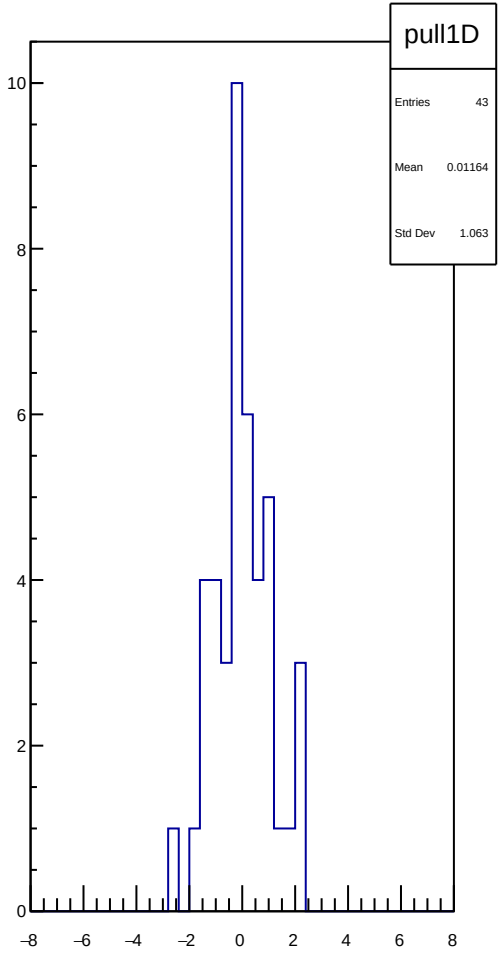

reg_asym_us_dd_diff_bpm12X_slope vs run
χ² / ndf 32.86 / 42
p0 1.019 ± 0.1166
pull
Entries 43
Mean 687.2
Std Dev 0

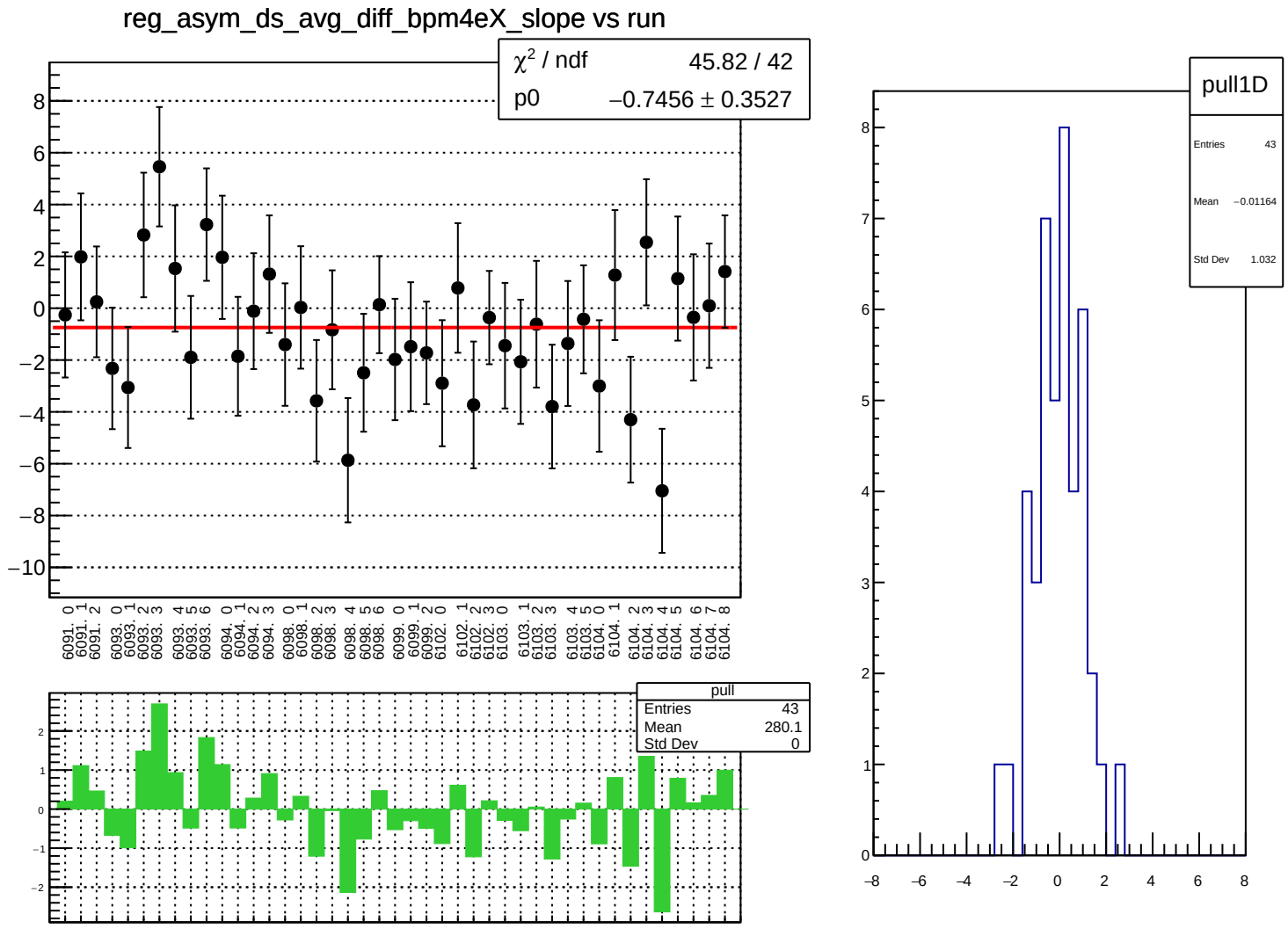

pull1D
Entries 43
Mean −0.0004313
Std Dev 0.8742

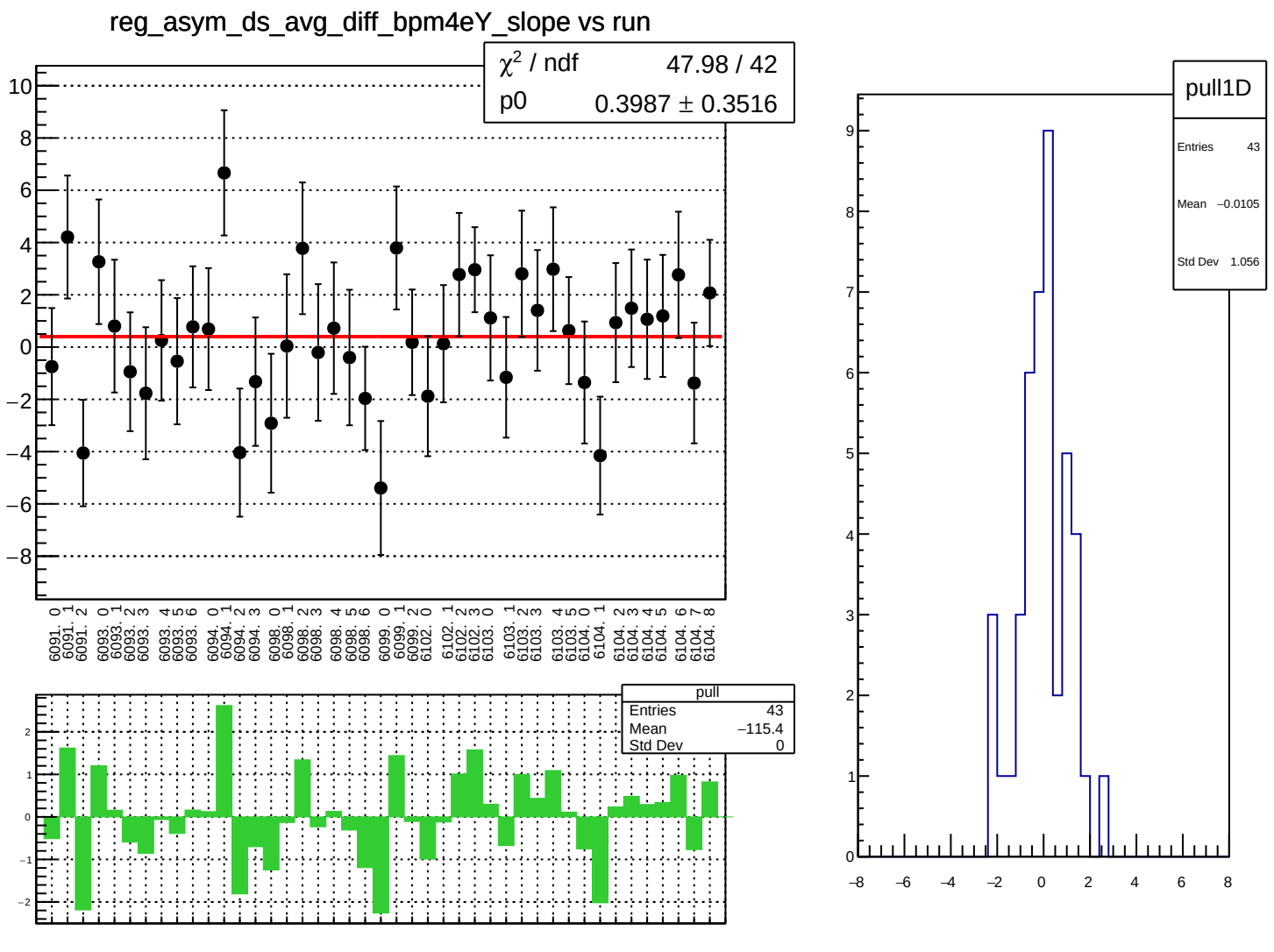

reg_asym_ds_avg_diff_bpm1X_slope vs run
χ² / ndf 48.82 / 42
p0 0.5371 ± 0.2887
pull
Entries 43
Mean 404.7
Std Dev 0

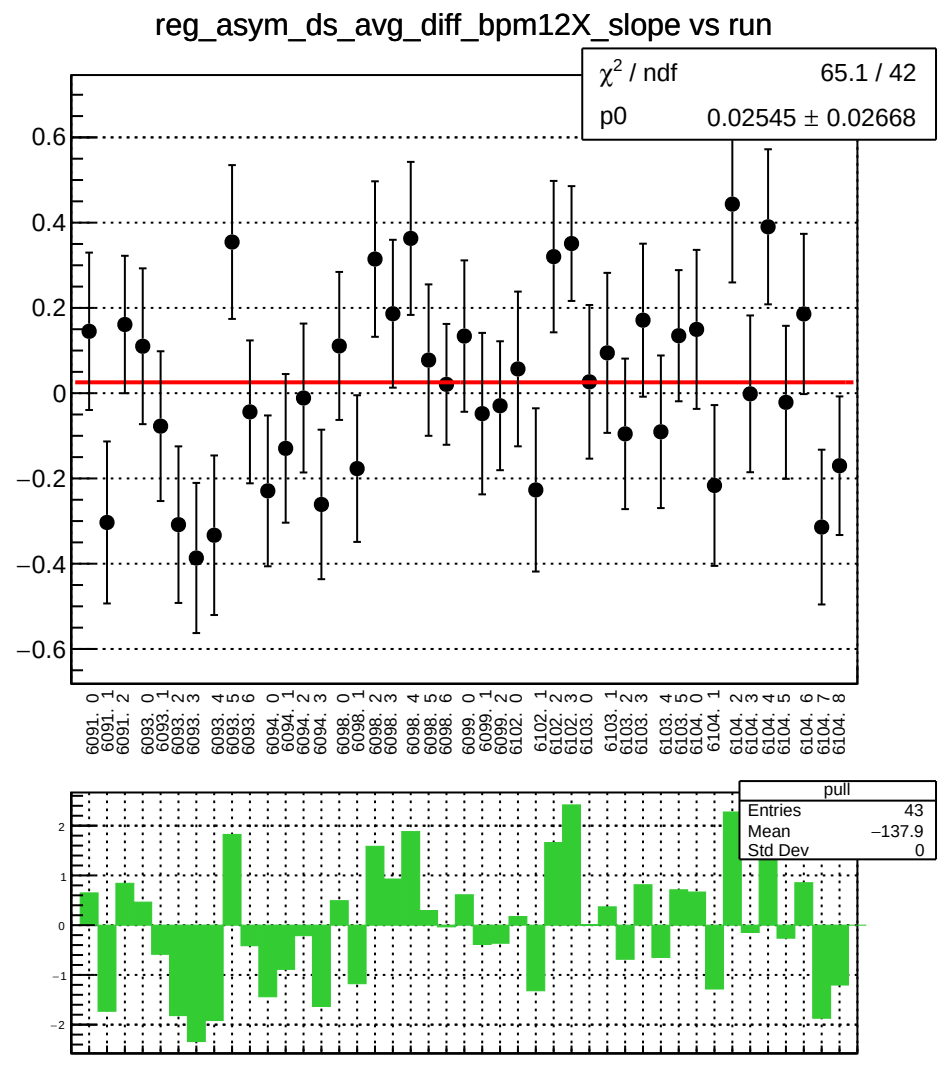

pull1D
Entries 43
Mean 0.008057
Std Dev 1.065

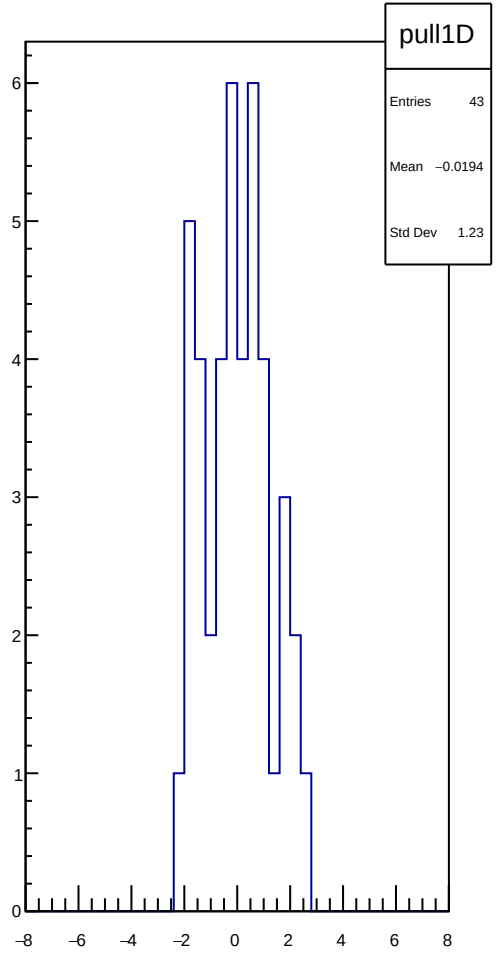

reg_asym_ds_avg_diff_bpm4aY_slope vs run
χ² / ndf 48.58 / 42
p0 −0.2916 ± 0.3326
pull
Entries 43
Mean −30.55
Std Dev 0

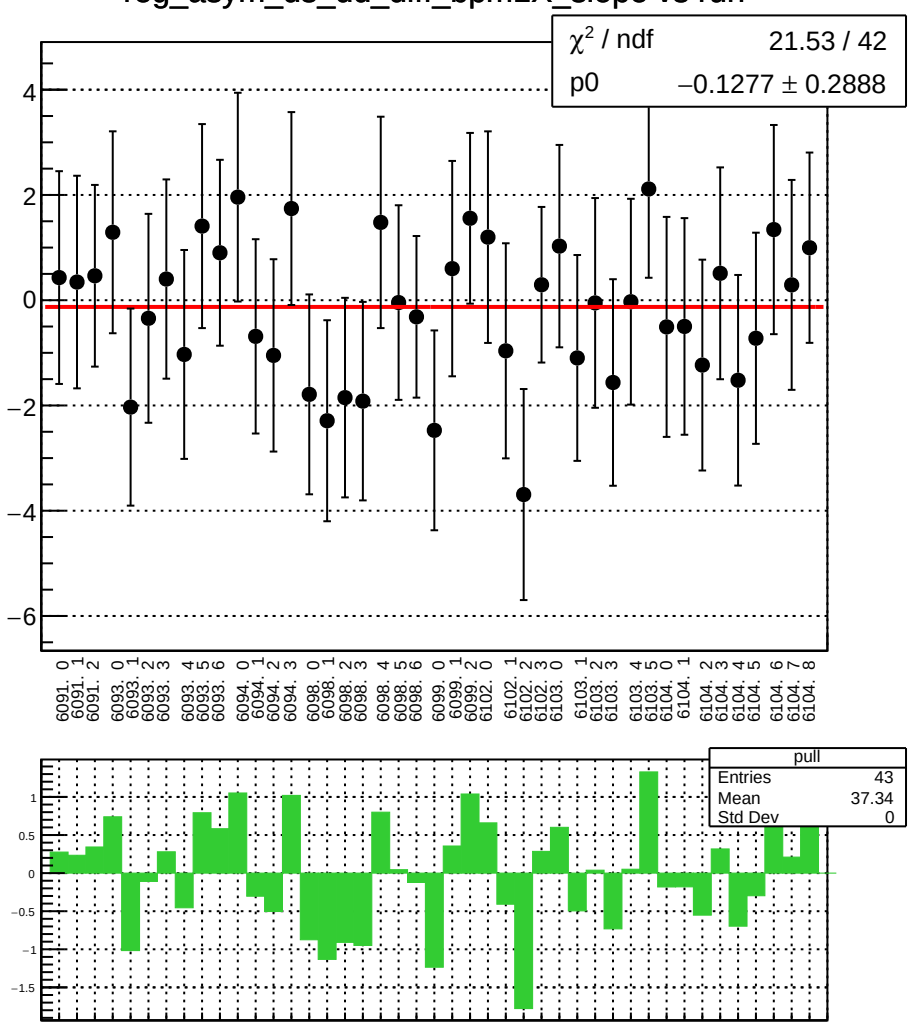

pull1D
Entries 43
Mean 0.01164
Std Dev 1.063

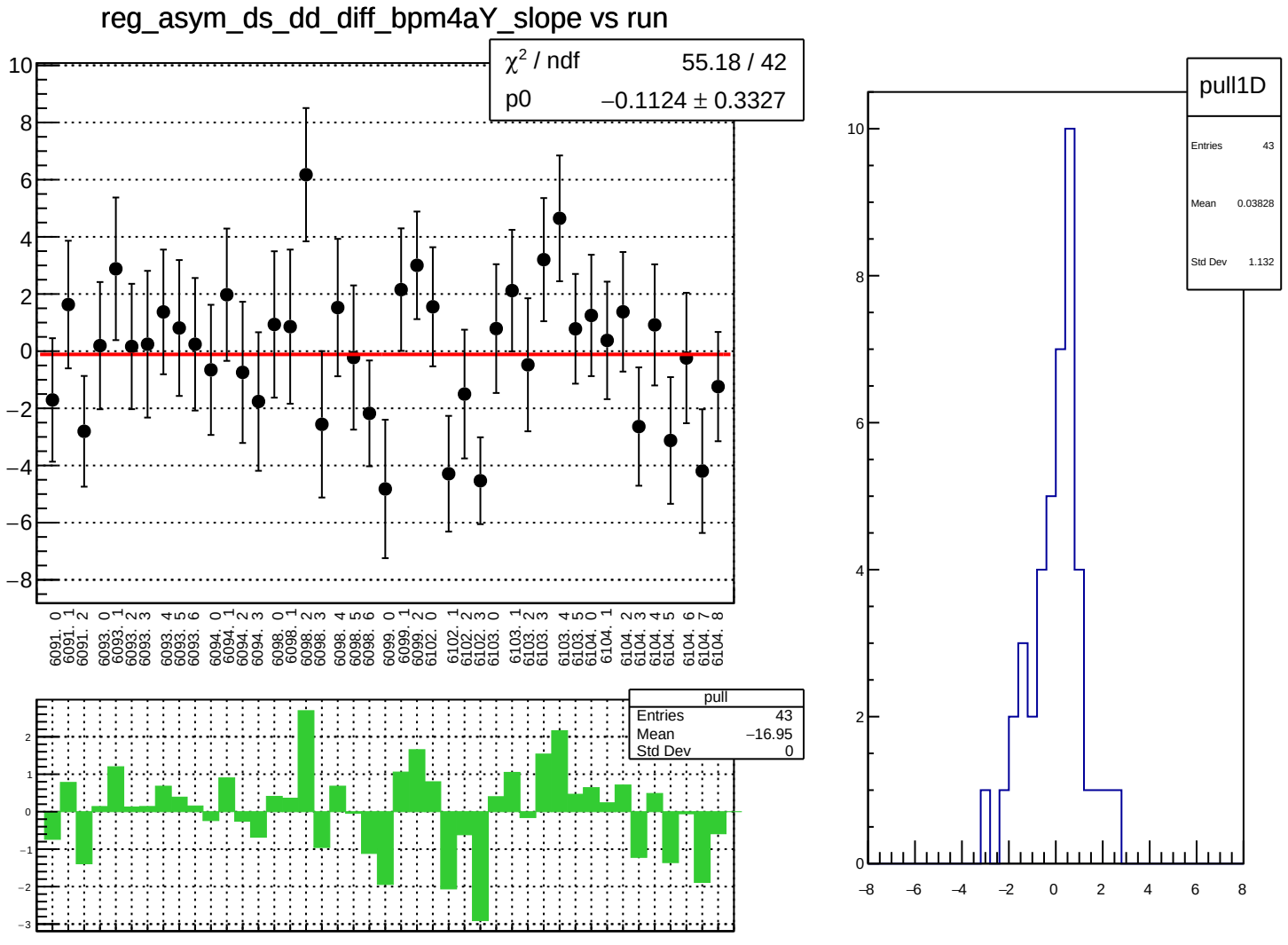

reg_asym_ds_avg_diff_bpm4eX_slope vs run
χ² / ndf 45.82 / 42
p0 −0.7456 ± 0.3527
pull
Entries 43
Mean 280.1
Std Dev 0
pull1D
Entries 43
Mean −0.01164
Std Dev 1.032

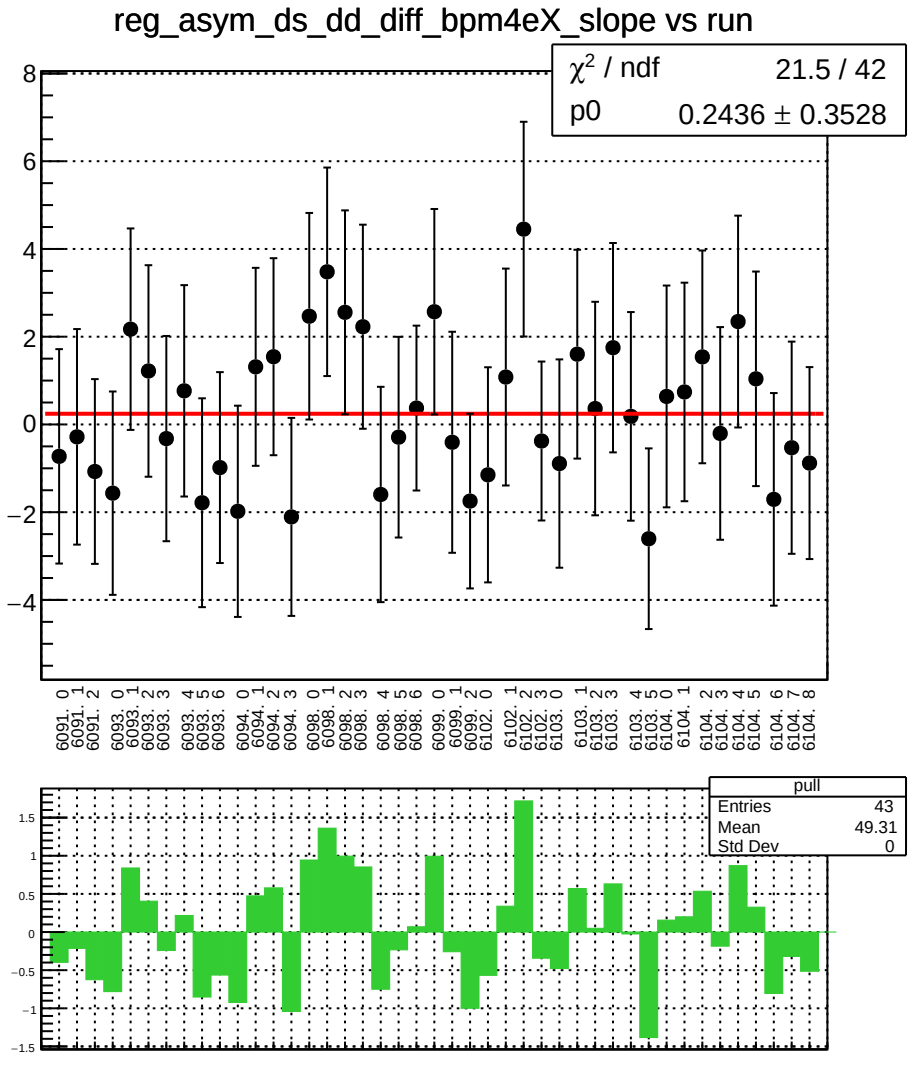

reg_asym_ds_avg_diff_bpm4eY_slope vs run
χ² / ndf 47.98 / 42
p0 0.3987 ± 0.3516
pull
Entries 43
Mean −115.4
Std Dev 0
pull1D
Entries 43
Mean −0.0105
Std Dev 1.056

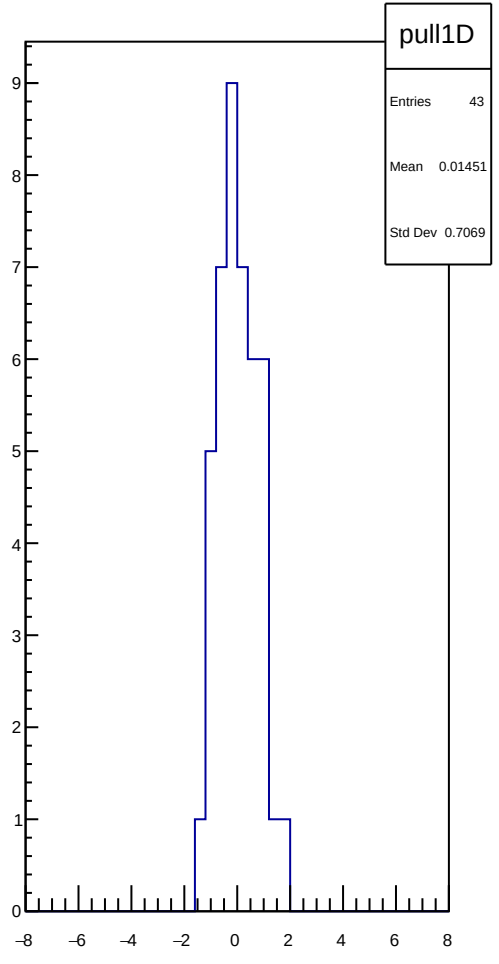

reg_asym_ds_avg_diff_bpm12X_slope vs run
χ² / ndf 65.1 / 42
p0 0.02545 ± 0.02668
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean −137.9
Std Dev 0
2
1
0
−1
−2

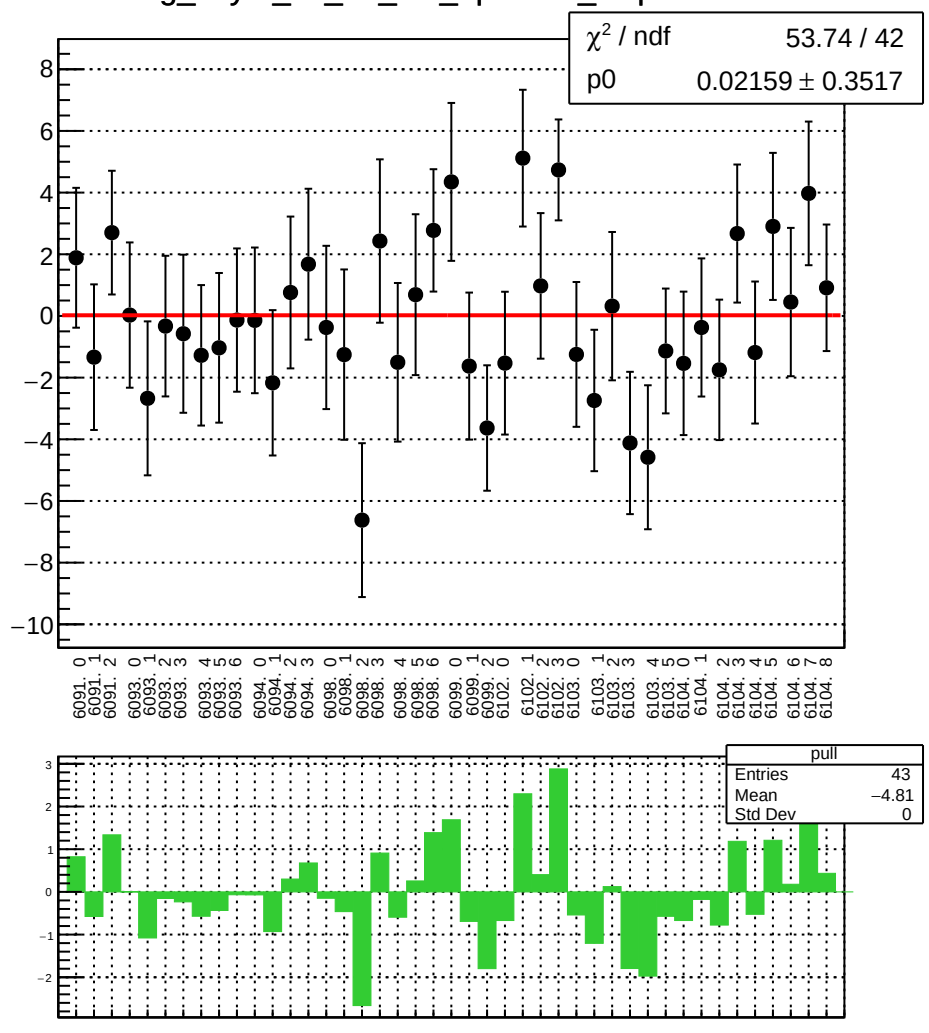

pull1D
Entries 43
Mean −0.0194
Std Dev 1.23
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

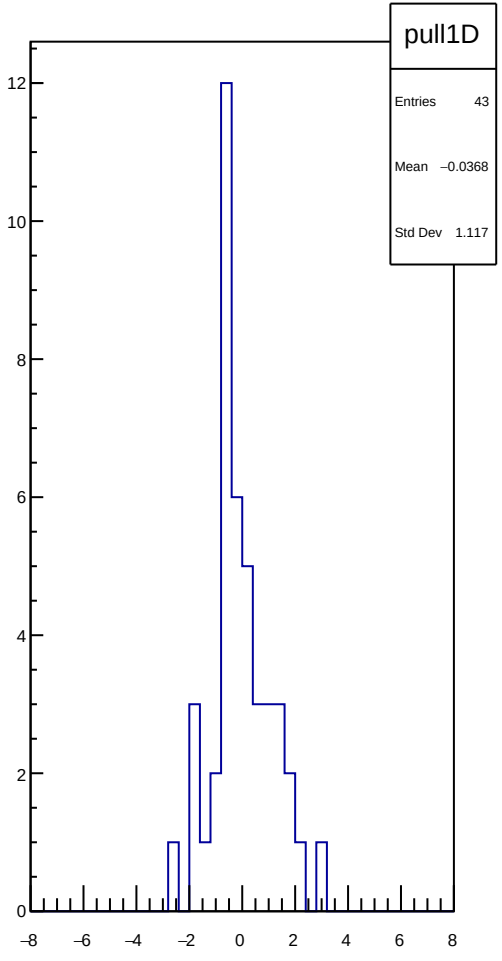

reg_asym_ds_dd_diff_bpm1X_slope vs run
χ² / ndf 21.53 / 42
p0 −0.1277 ± 0.2888
pull
Entries 43
Mean 37.34
Std Dev 0
pull1D
Entries 43
Mean −0.01208
Std Dev 0.7074

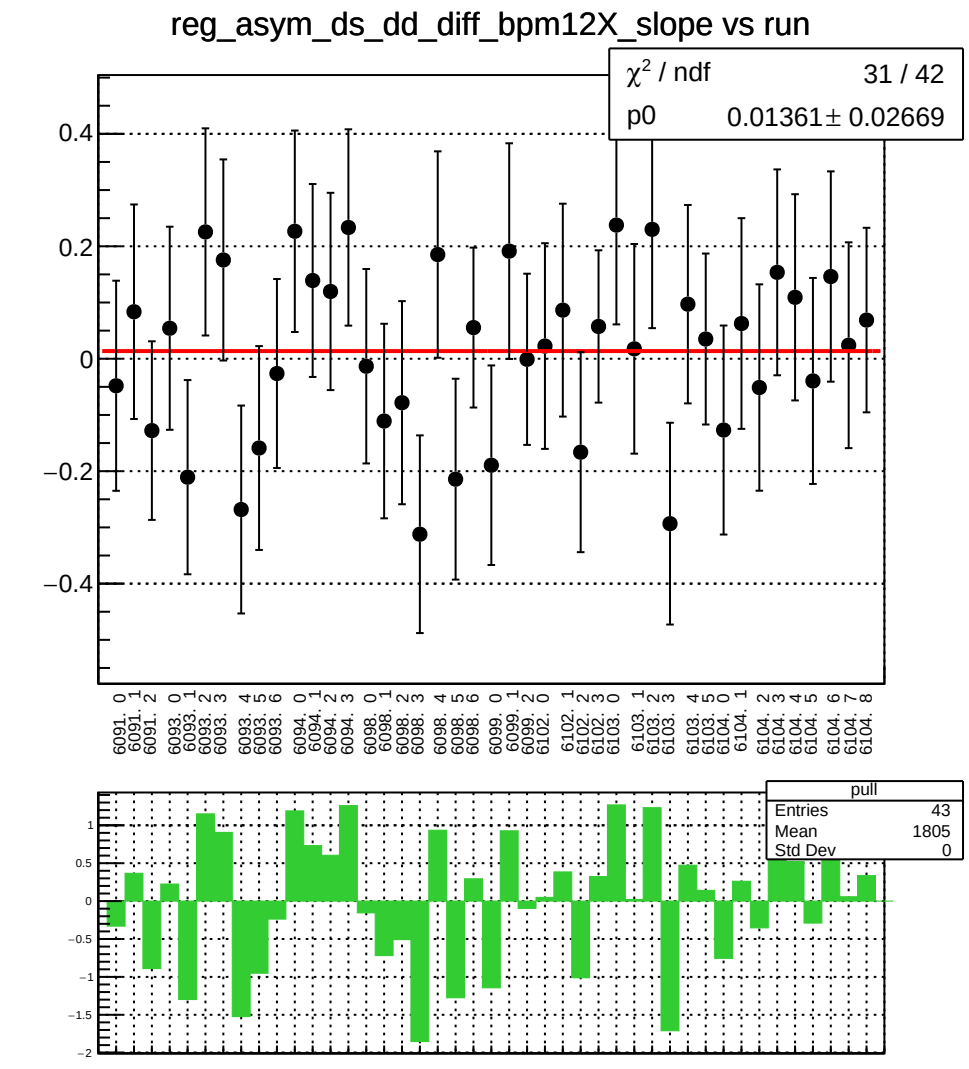

reg_asym_ds_dd_diff_bpm4aY_slope vs run
χ² / ndf 55.18 / 42
p0 −0.1124 ± 0.3327
pull
Entries 43
Mean −16.95
Std Dev 0
pull1D
Entries 43
Mean 0.03828
Std Dev 1.132

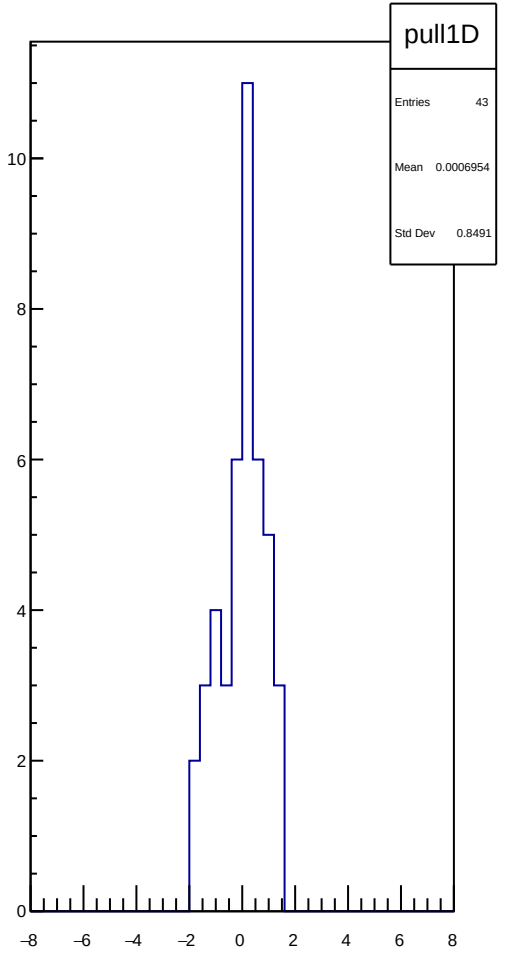

reg_asym_ds_dd_diff_bpm4eX_slope vs run
χ² / ndf 21.5 / 42
p0 0.2436 ± 0.3528
pull
Entries 43
Mean 49.31
Std Dev 0

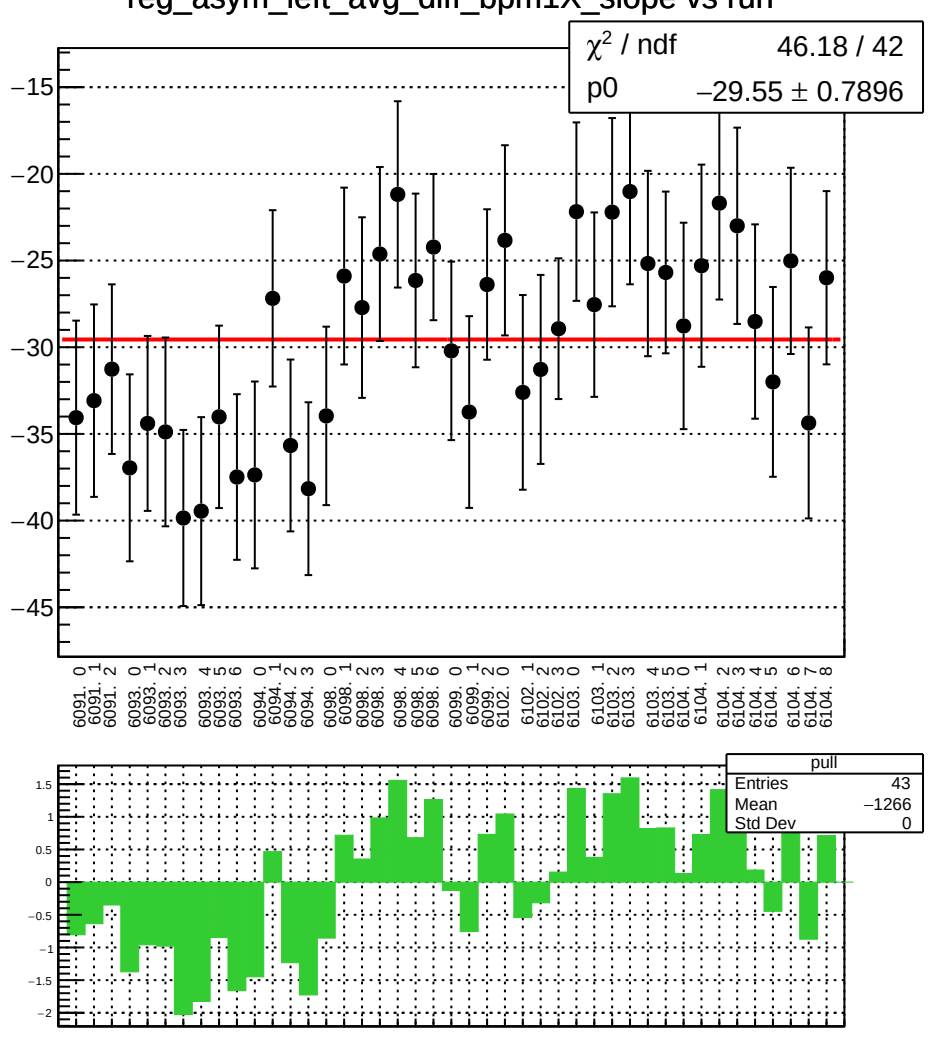

pull1D
Entries 43
Mean 0.01451
Std Dev 0.7069

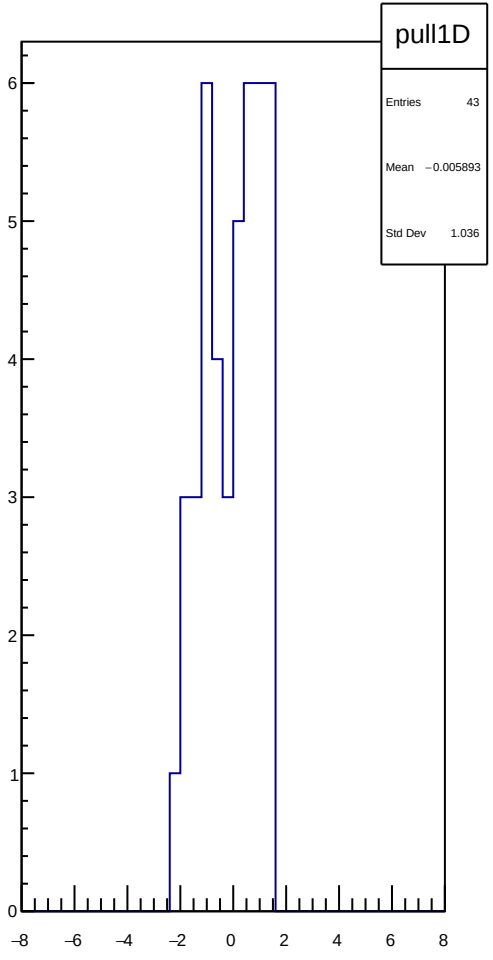

reg_asym_ds_dd_diff_bpm4eY_slope vs run
χ² / ndf 53.74 / 42
p0 0.02159 ± 0.3517
pull
Entries 43
Mean −4.81
Std Dev 0

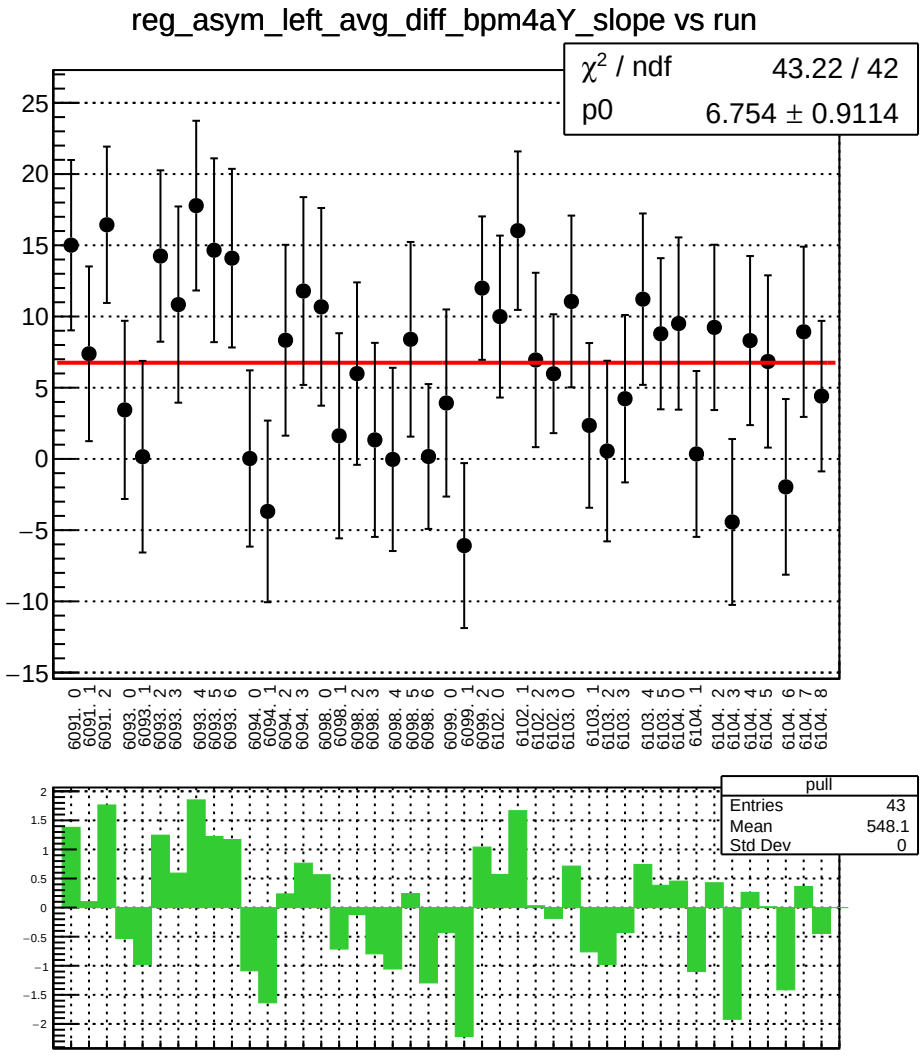

pull1D
Entries 43
Mean −0.0368
Std Dev 1.117

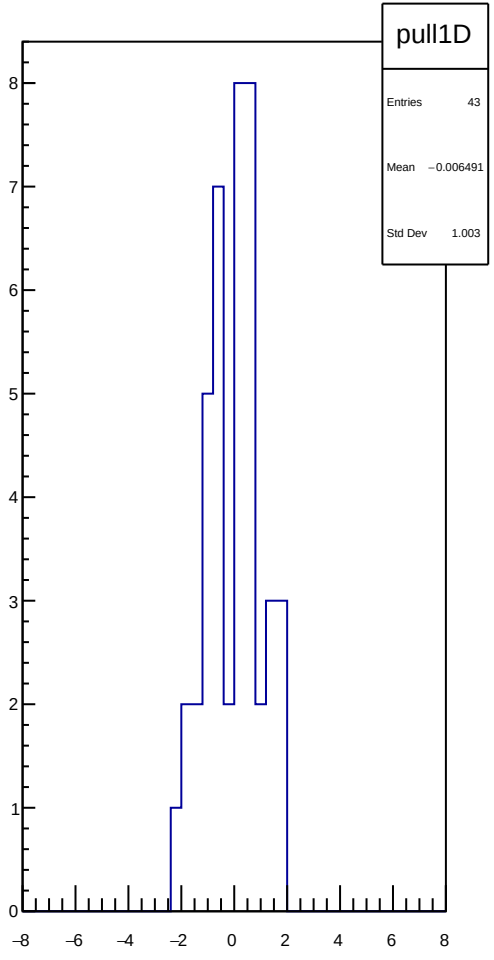

reg_asym_ds_dd_diff_bpm12X_slope vs run
χ² / ndf 31 / 42
p0 0.01361 ± 0.02669
0.4
0.2
0
−0.2
−0.4
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 1805
Std Dev 0
1
0.5
0
−0.5
−1
−1.5
−2

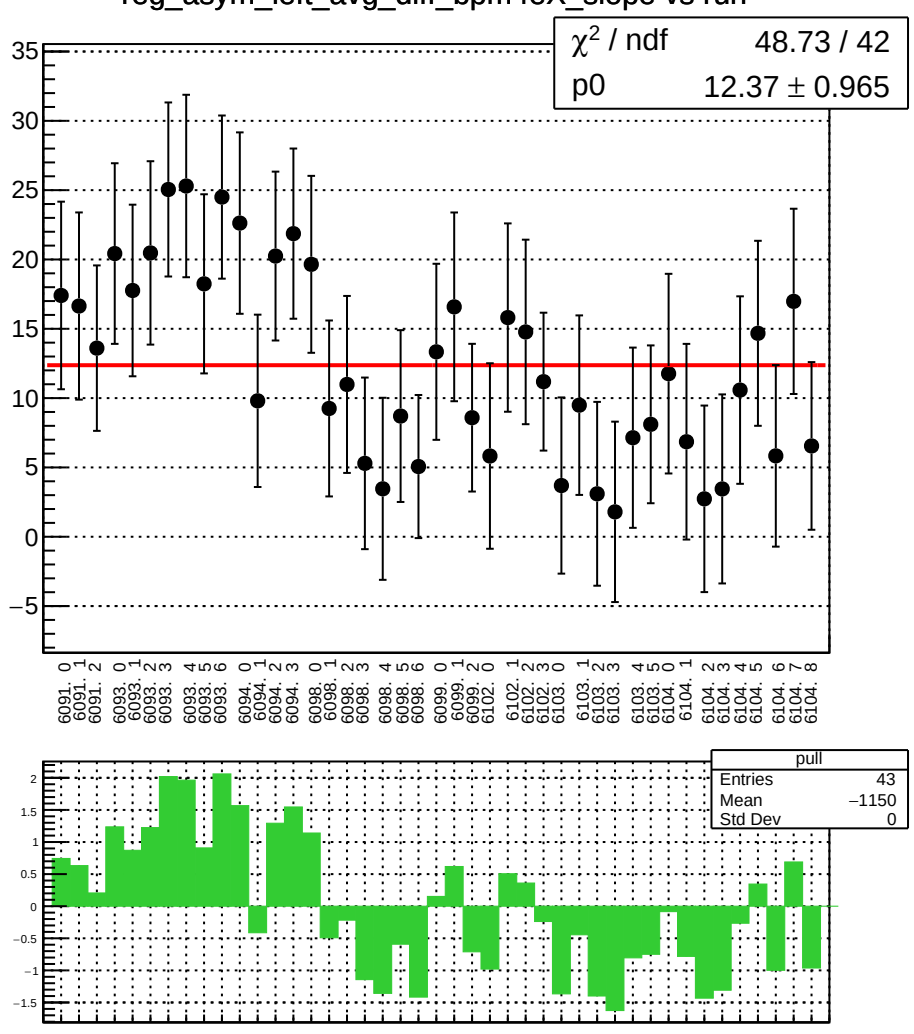

pull1D
Entries 43
Mean 0.0006954
Std Dev 0.8491
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

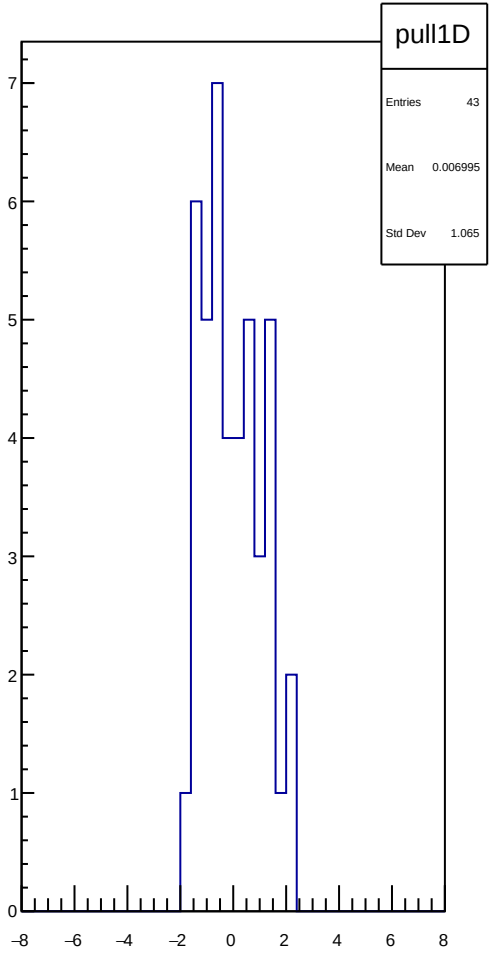

reg_asym_left_avg_diff_bpm1X_slope vs run
χ² / ndf 46.18 / 42
p0 −29.55 ± 0.7896
pull
Entries 43
Mean −1266
Std Dev 0

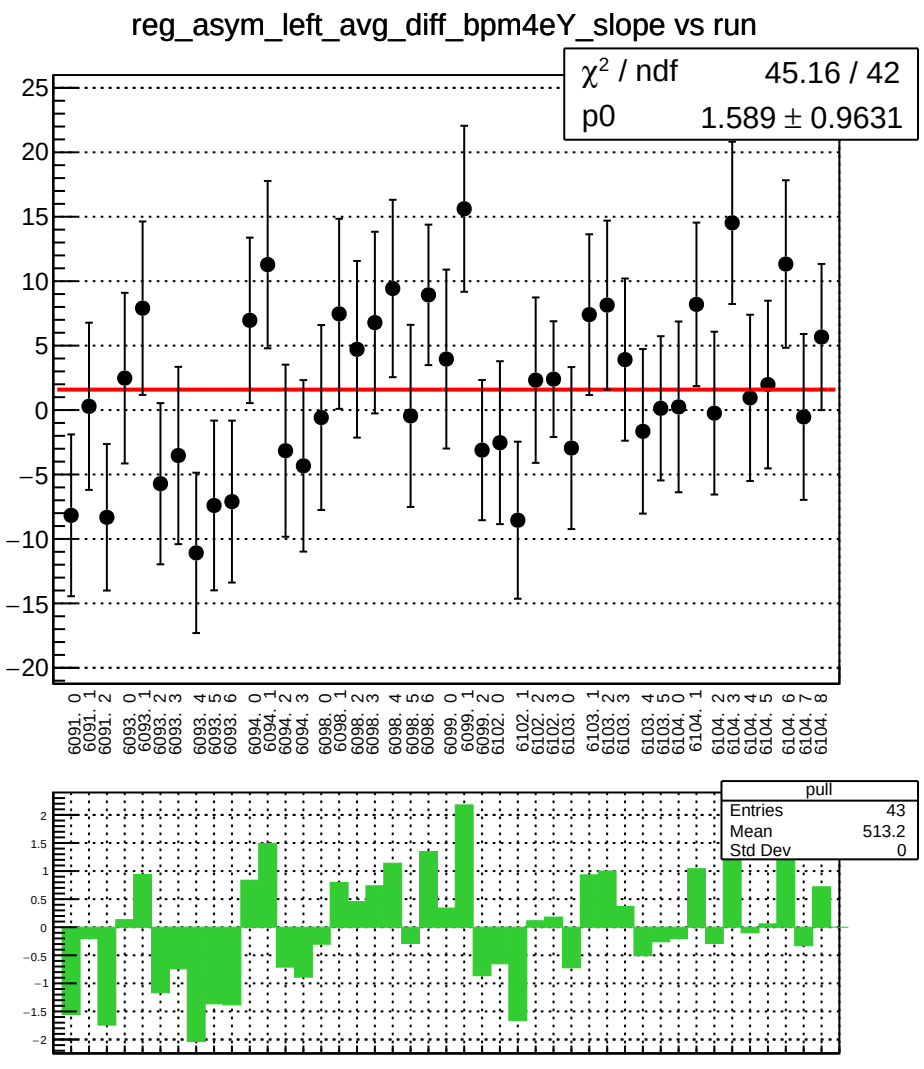

pull1D
Entries 43
Mean −0.005893
Std Dev 1.036

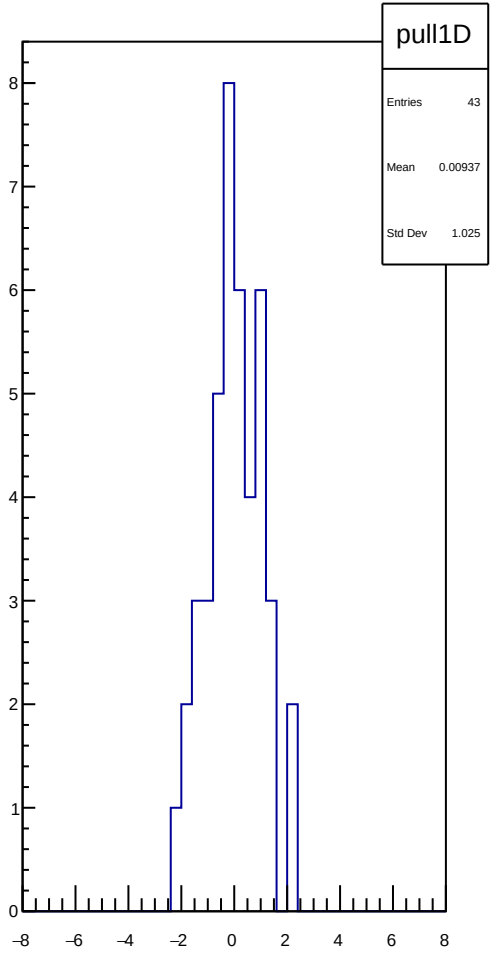

reg_asym_left_avg_diff_bpm4aY_slope vs run
χ² / ndf 43.22 / 42
p0 6.754 ± 0.9114
pull
Entries 43
Mean 548.1
Std Dev 0

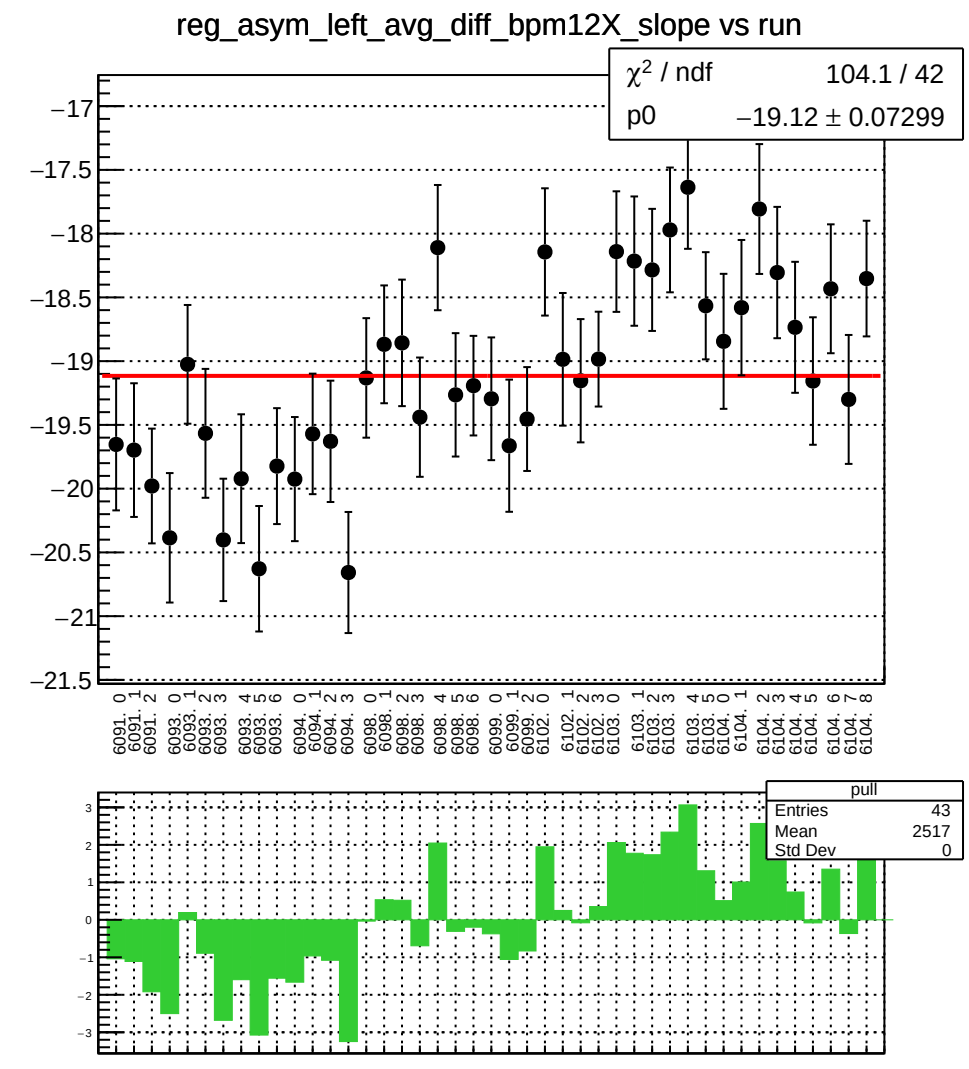

pull1D
Entries 43
Mean −0.006491
Std Dev 1.003

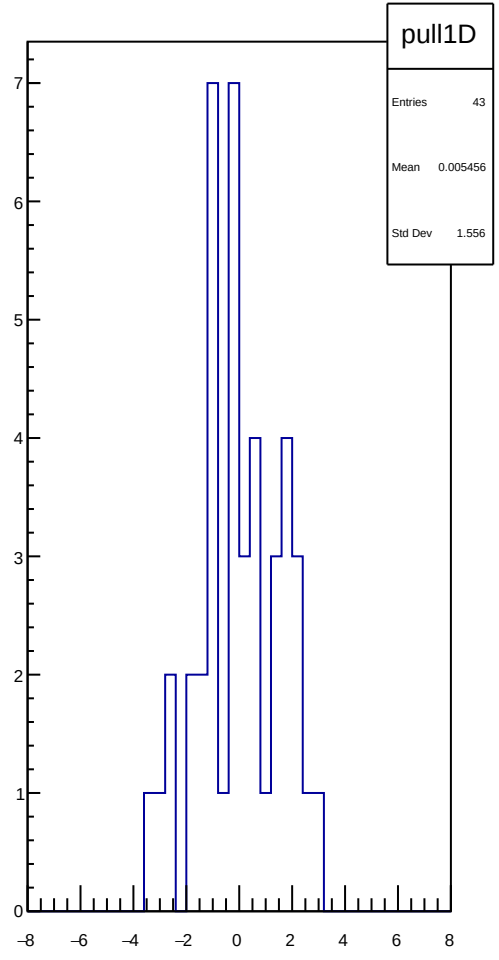

reg_asym_left_avg_diff_bpm4eX_slope vs run
χ² / ndf 48.73 / 42
p0 12.37 ± 0.965
pull
Entries 43
Mean −1150
Std Dev 0

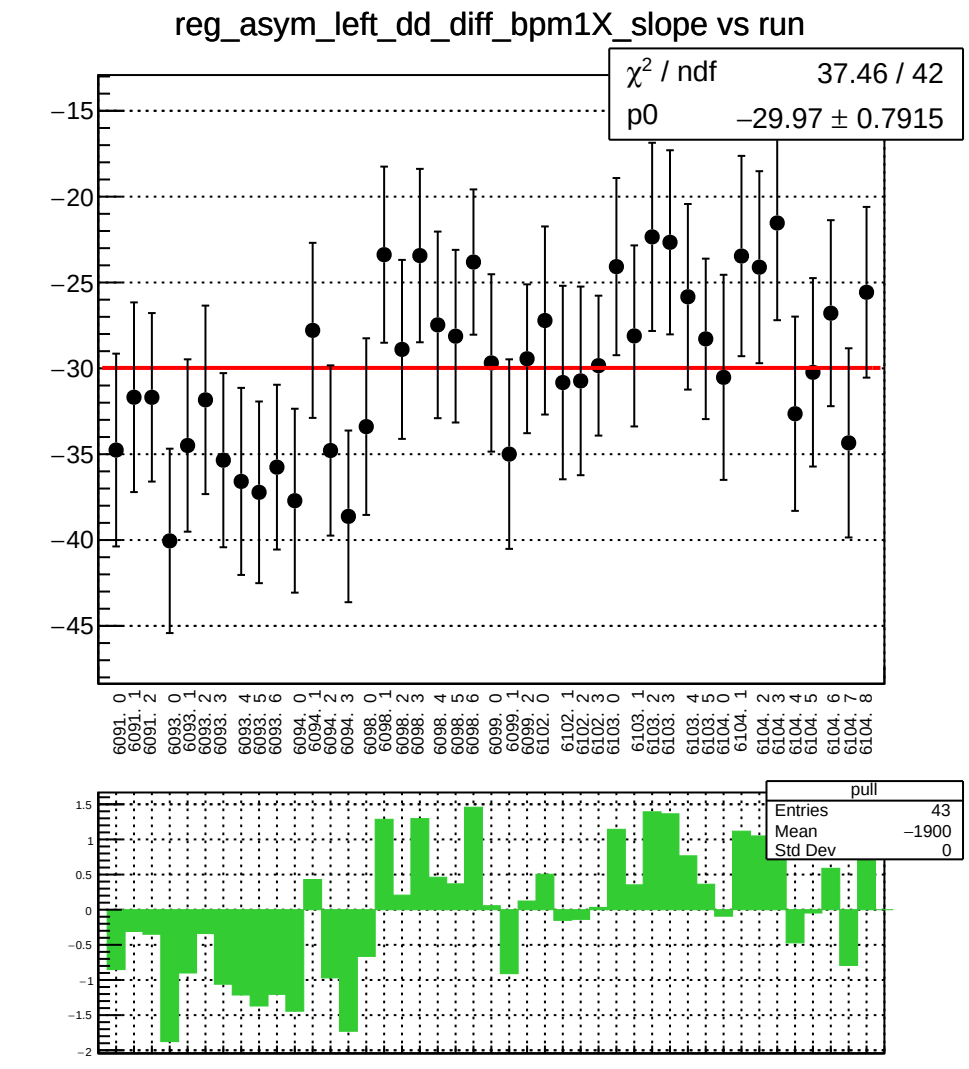

pull1D
Entries 43
Mean 0.006995
Std Dev 1.065

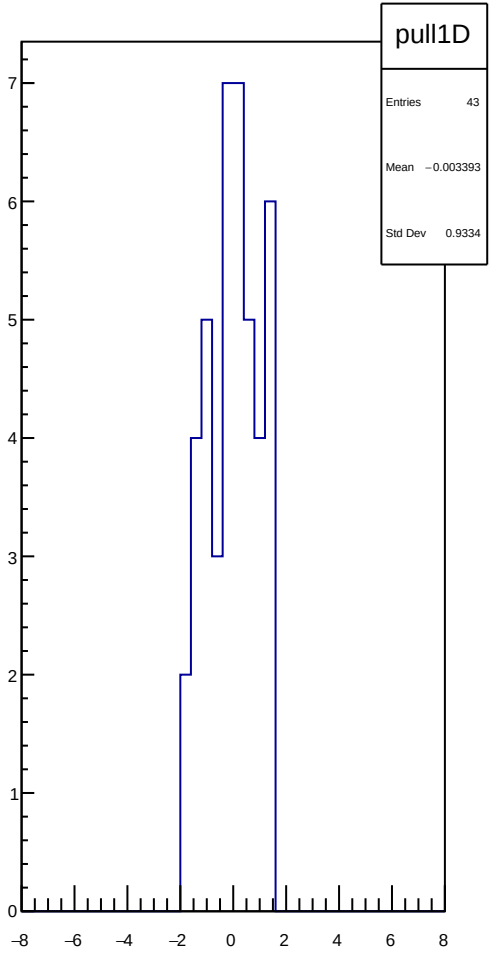

reg_asym_left_avg_diff_bpm4eY_slope vs run
χ² / ndf 45.16 / 42
p0 1.589 ± 0.9631
pull
Entries 43
Mean 513.2
Std Dev 0

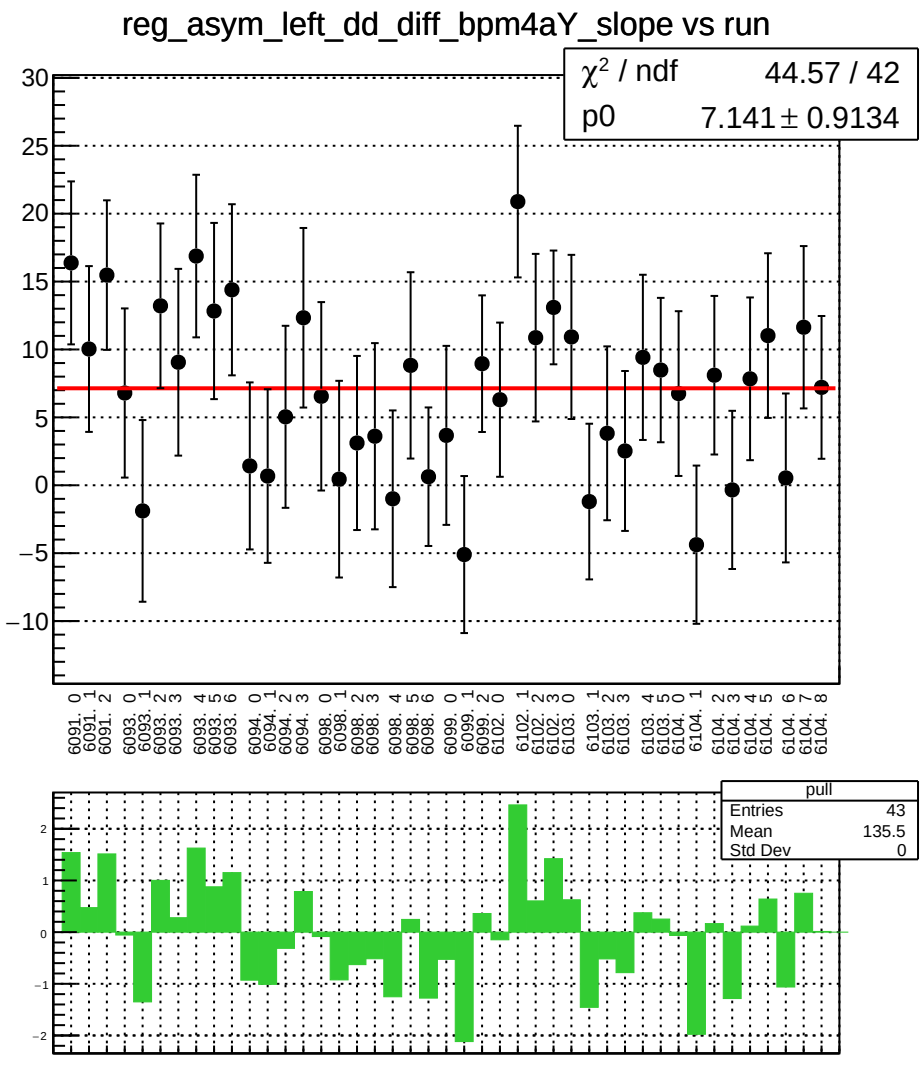

pull1D
Entries 43
Mean 0.00937
Std Dev 1.025

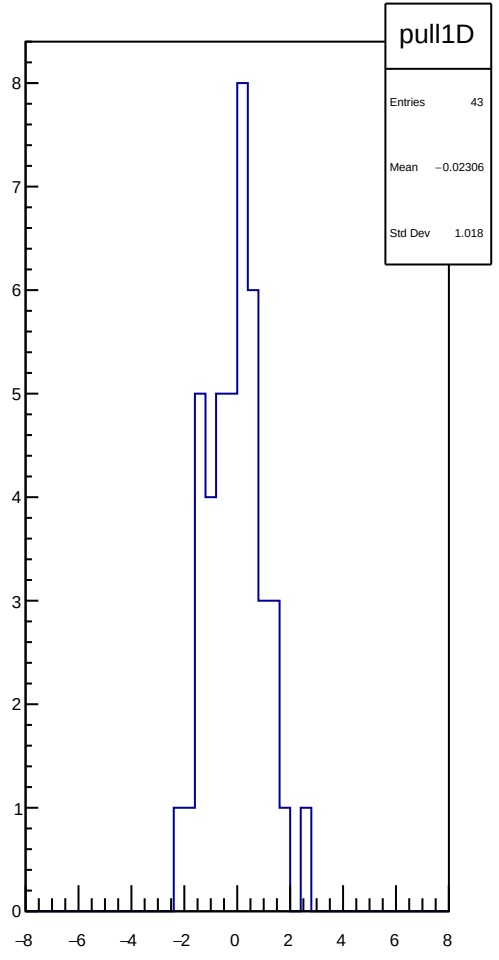

reg_asym_left_avg_diff_bpm12X_slope vs run
χ² / ndf 104.1 / 42
p0 −19.12 ± 0.07299
pull
Entries 43
Mean 2517
Std Dev 0

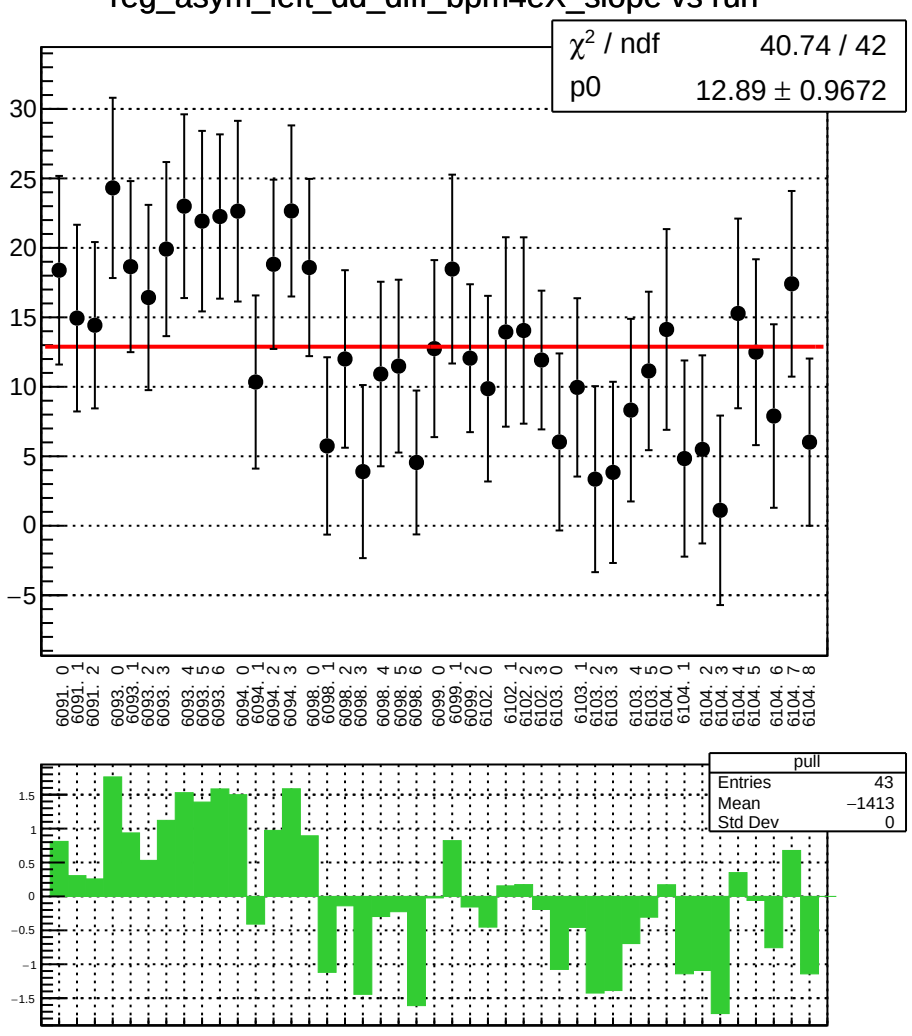

pull1D
Entries 43
Mean 0.005456
Std Dev 1.556

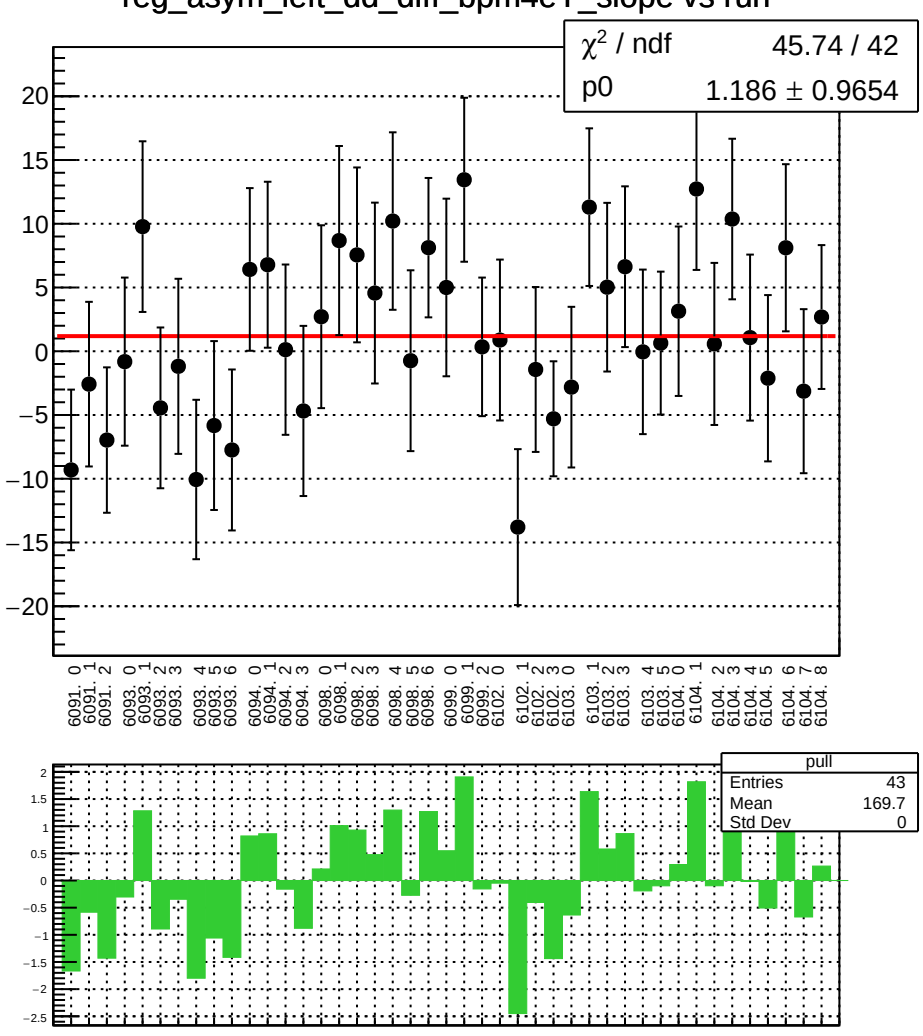

reg_asym_left_dd_diff_bpm1X_slope vs run
χ² / ndf 37.46 / 42
p0 −29.97 ± 0.7915
−15
−20
−25
−30
−35
−40
−45
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean −1900
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2

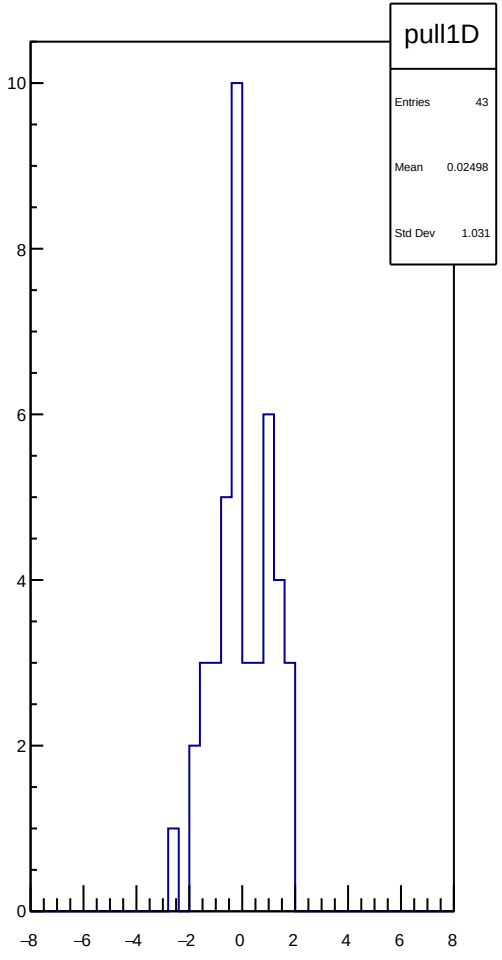

pull1D
Entries 43
Mean −0.003393
Std Dev 0.9334
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

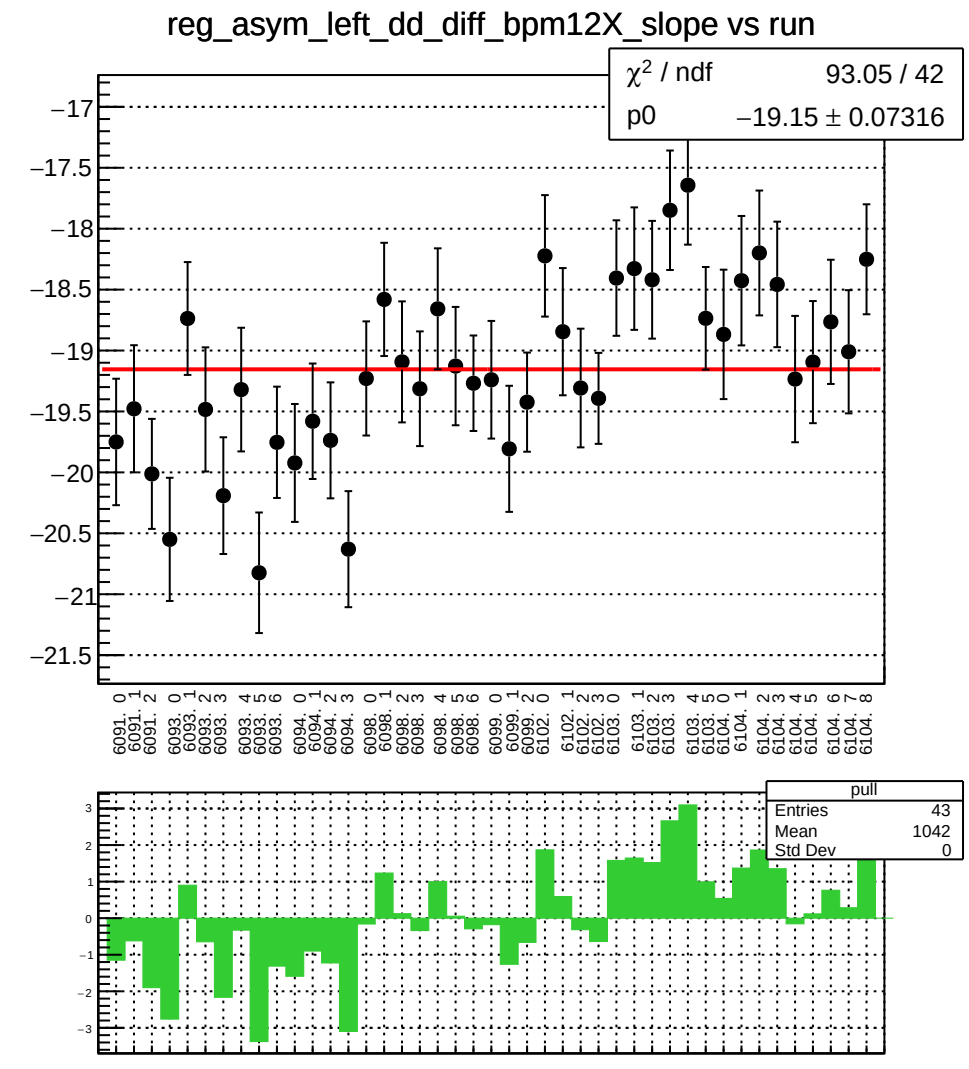

reg_asym_left_dd_diff_bpm4aY_slope vs run
χ² / ndf 44.57 / 42
p0 7.141 ± 0.9134
pull
Entries 43
Mean 135.5
Std Dev 0

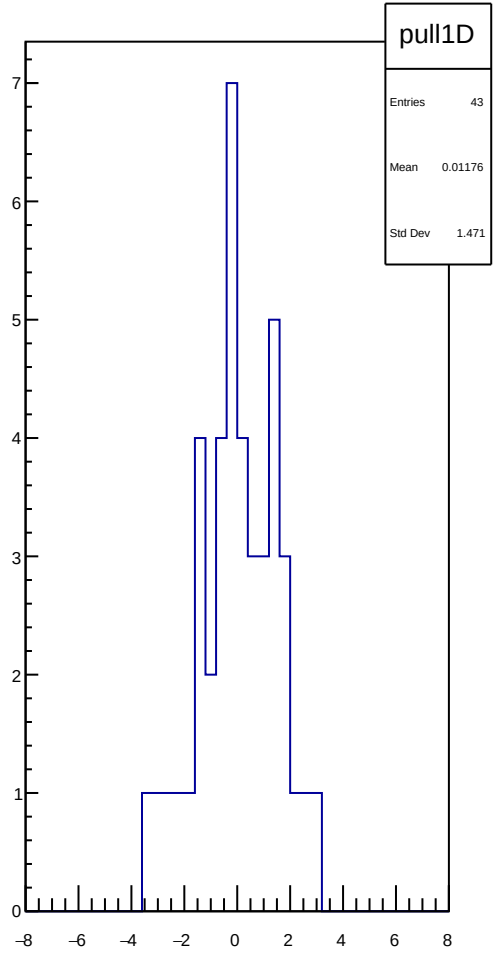

pull1D
Entries 43
Mean −0.02306
Std Dev 1.018

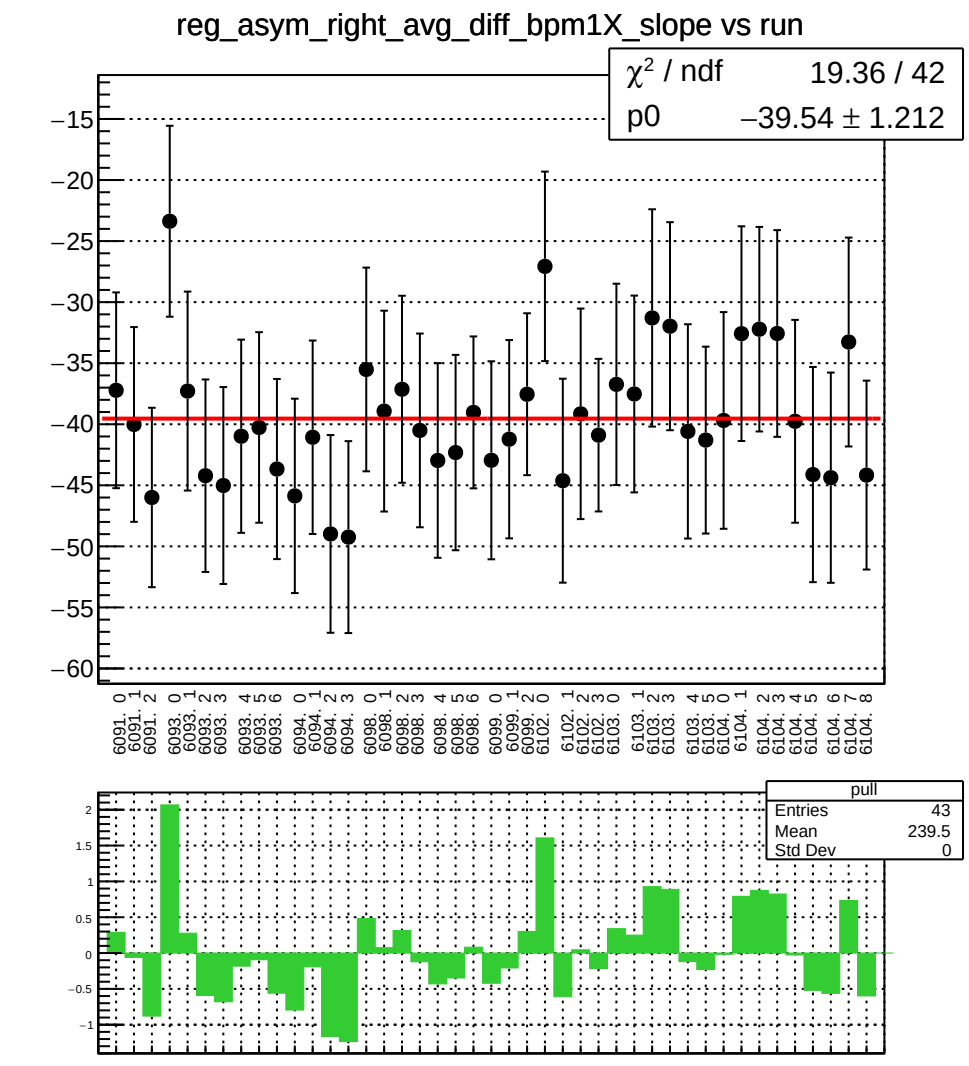

reg_asym_left_dd_diff_bpm4eX_slope vs run
χ² / ndf 40.74 / 42
p0 12.89 ± 0.9672
pull
Entries 43
Mean −1413
Std Dev 0
pull1D
Entries 43
Mean 0.005039
Std Dev 0.9734

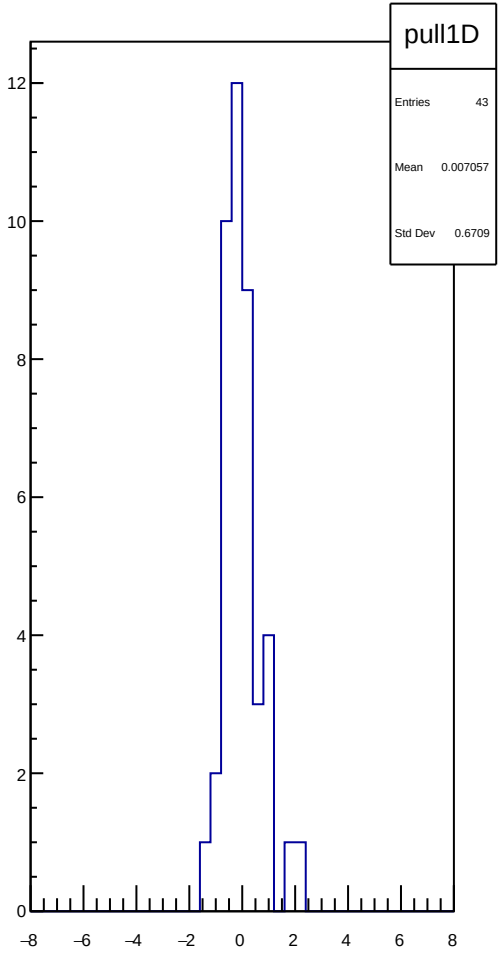

reg_asym_left_dd_diff_bpm4eY_slope vs run
χ² / ndf 45.74 / 42
p0 1.186 ± 0.9654
pull
Entries 43
Mean 169.7
Std Dev 0

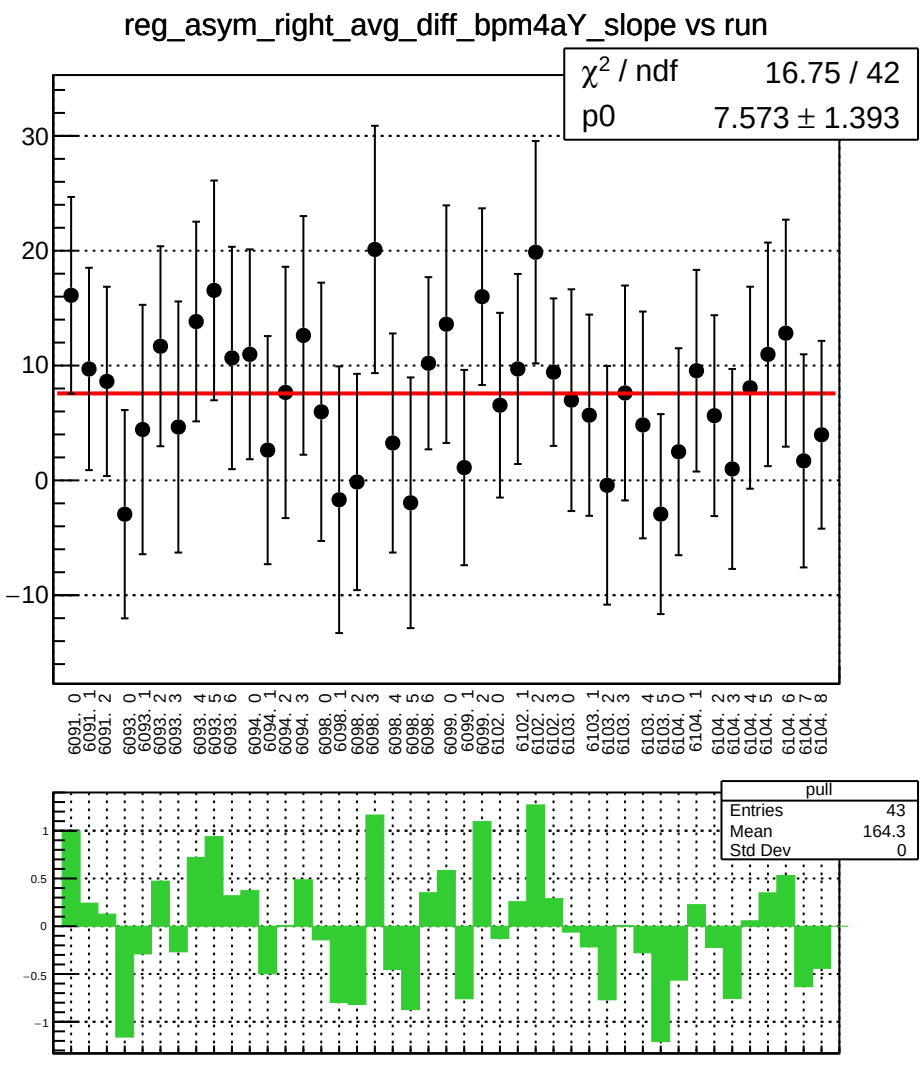

pull1D
Entries 43
Mean 0.02498
Std Dev 1.031

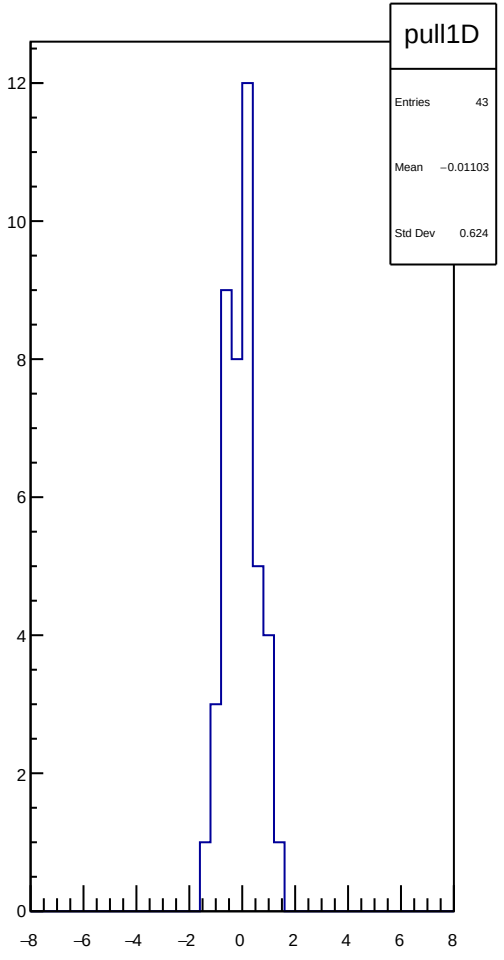

reg_asym_left_dd_diff_bpm12X_slope vs run
χ² / ndf 93.05 / 42
p0 −19.15 ± 0.07316
pull
Entries 43
Mean 1042
Std Dev 0

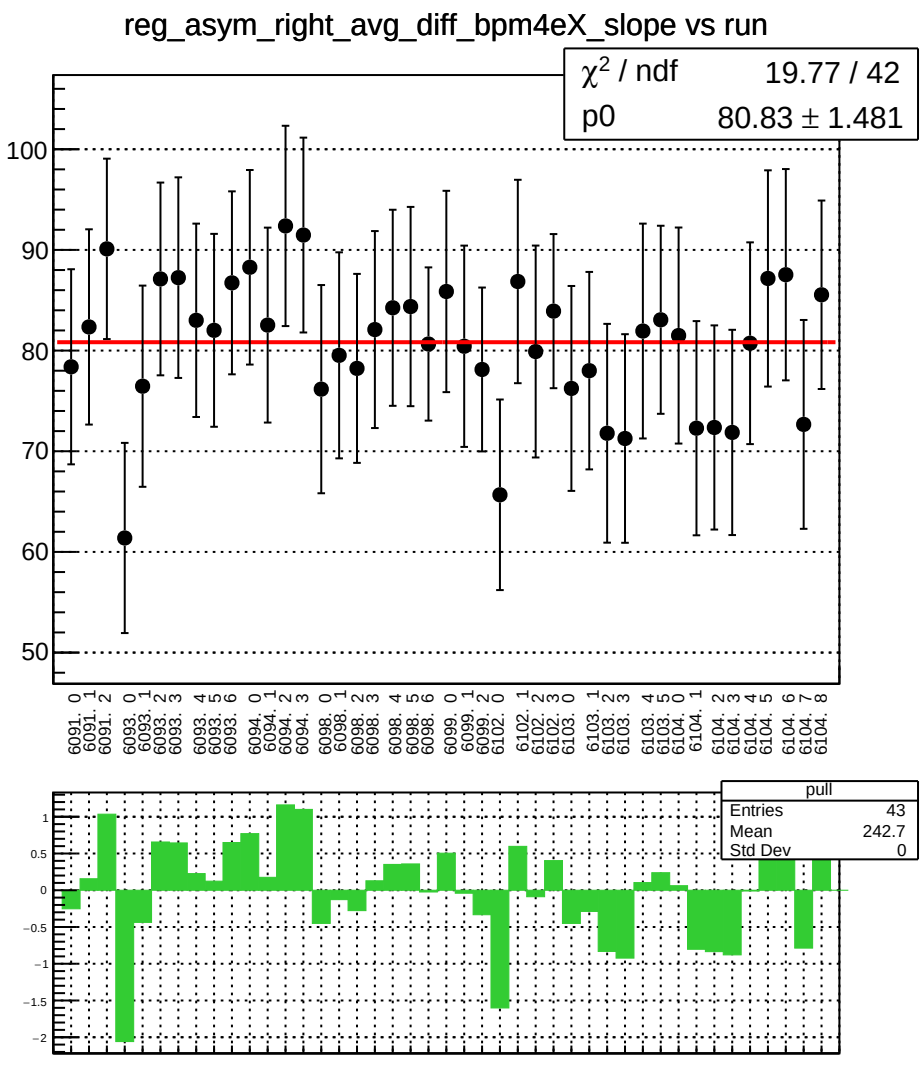

pull1D
Entries 43
Mean 0.01176
Std Dev 1.471

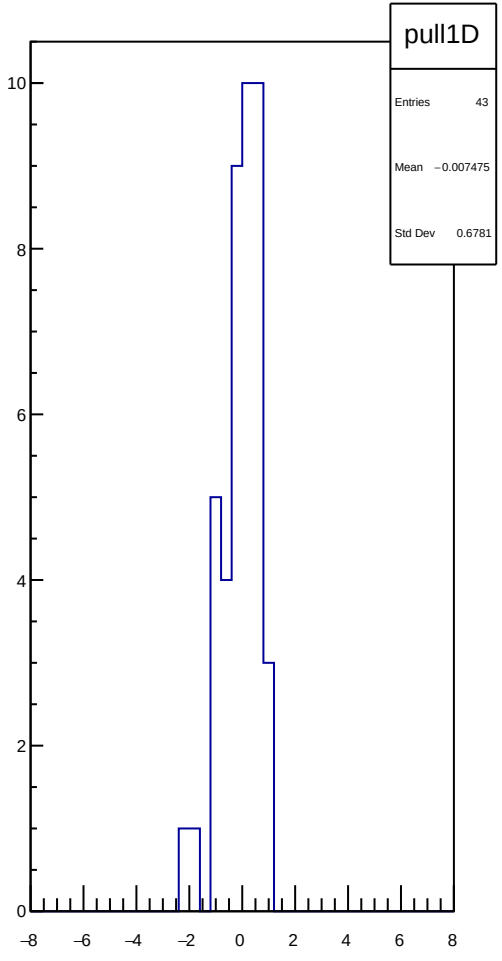

reg_asym_right_avg_diff_bpm1X_slope vs run
χ² / ndf 19.36 / 42
p0 −39.54 ± 1.212
pull
Entries 43
Mean 239.5
Std Dev 0

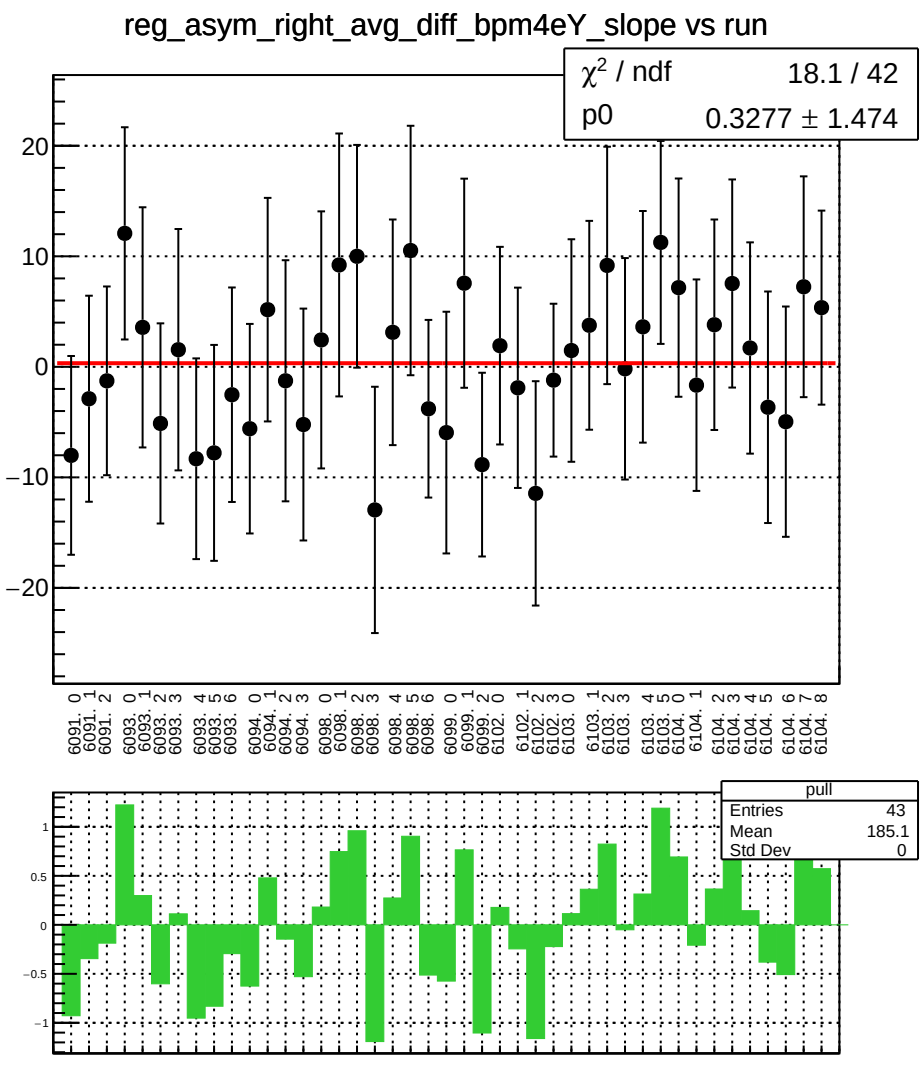

pull1D
Entries 43
Mean 0.007057
Std Dev 0.6709

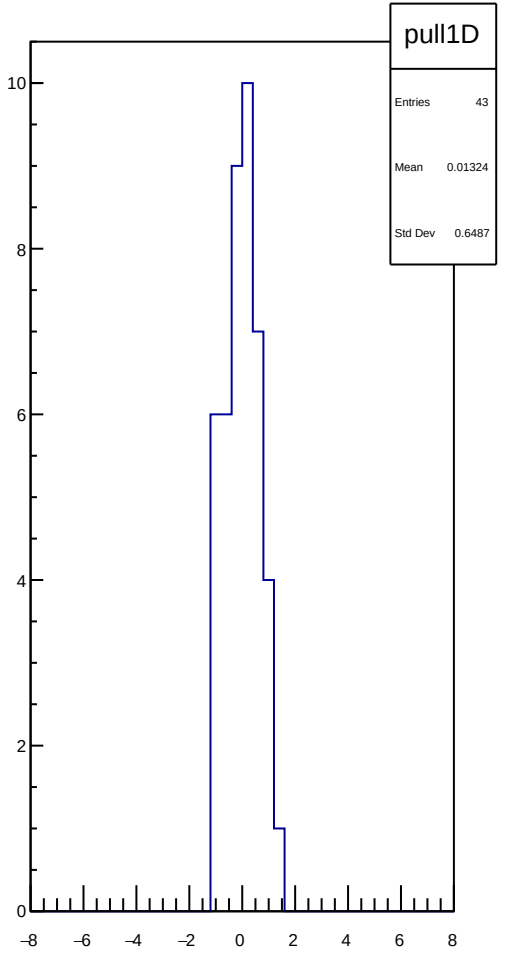

reg_asym_right_avg_diff_bpm4aY_slope vs run
χ² / ndf 16.75 / 42
p0 7.573 ± 1.393
30
20
10
0
−10
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 164.3
Std Dev 0
1
0.5
0
−0.5
−1

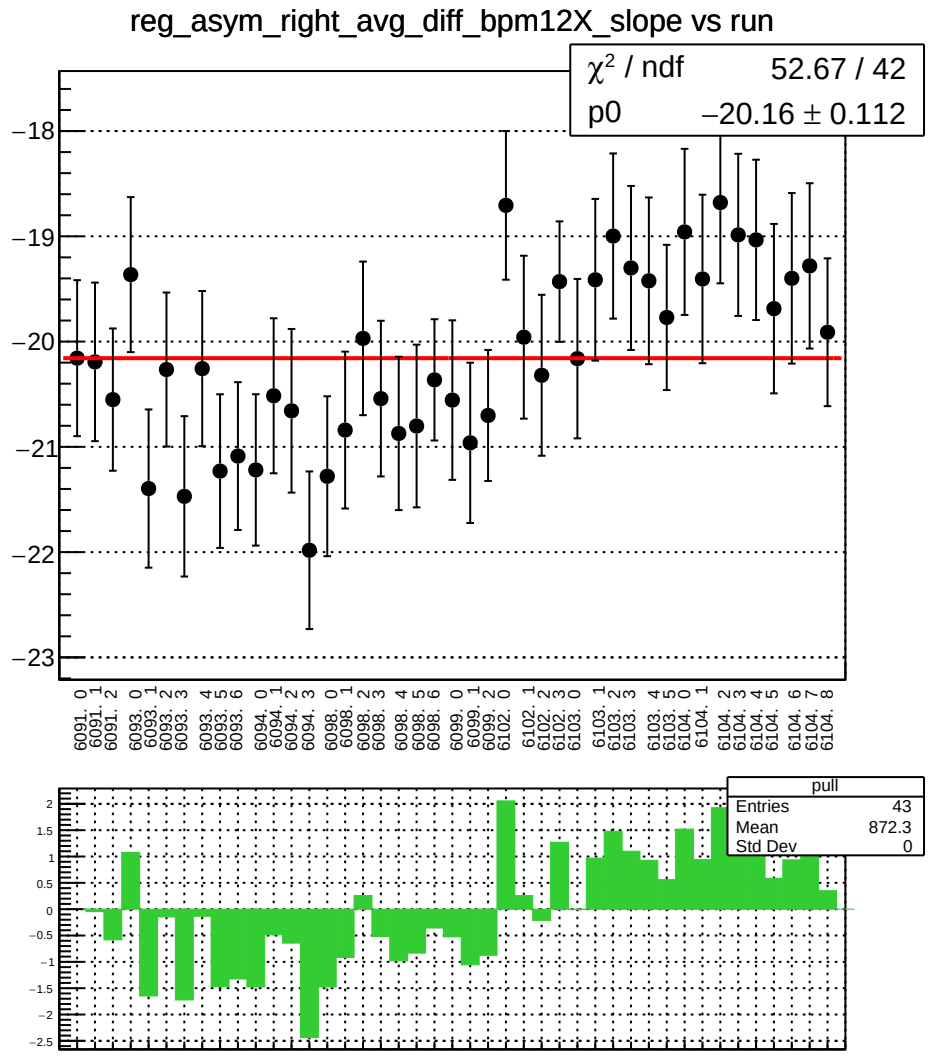

pull1D
Entries 43
Mean −0.01103
Std Dev 0.624
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

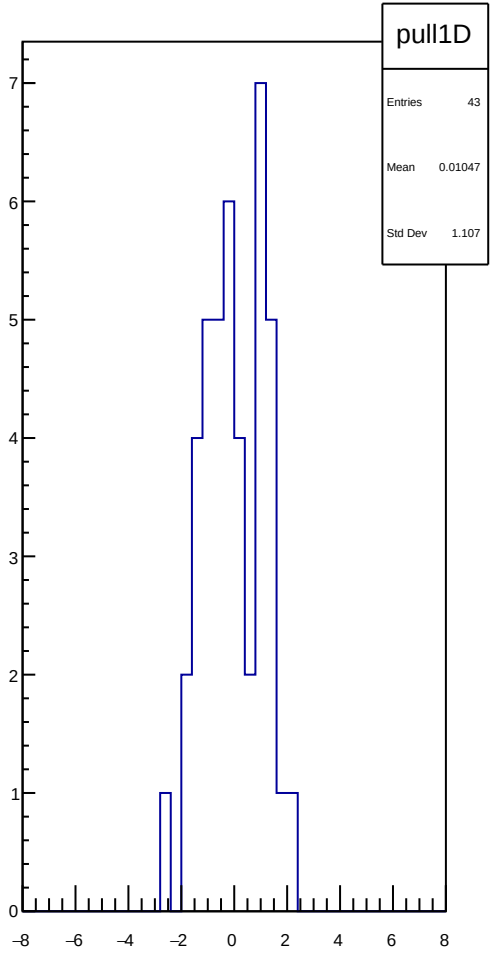

reg_asym_right_avg_diff_bpm4eX_slope vs run
χ² / ndf 19.77 / 42
p0 80.83 ± 1.481
pull
Entries 43
Mean 242.7
Std Dev 0

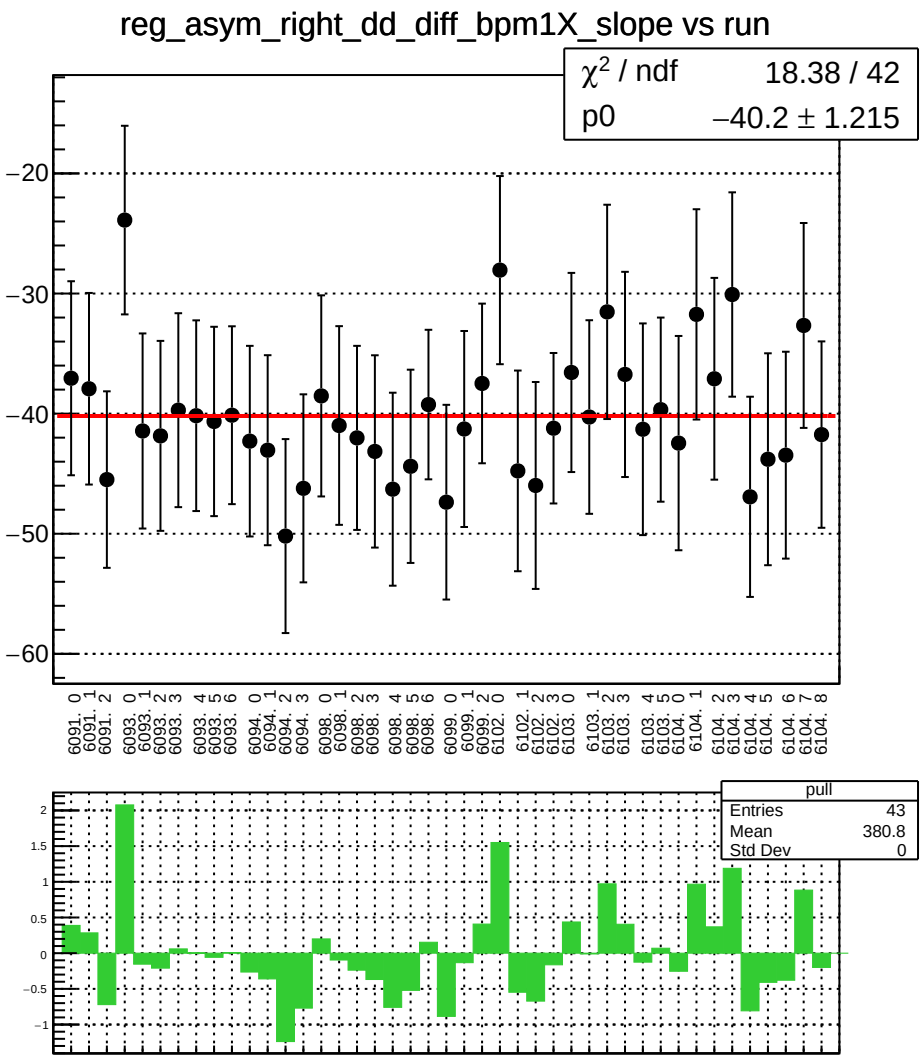

pull1D
Entries 43
Mean −0.007475
Std Dev 0.6781

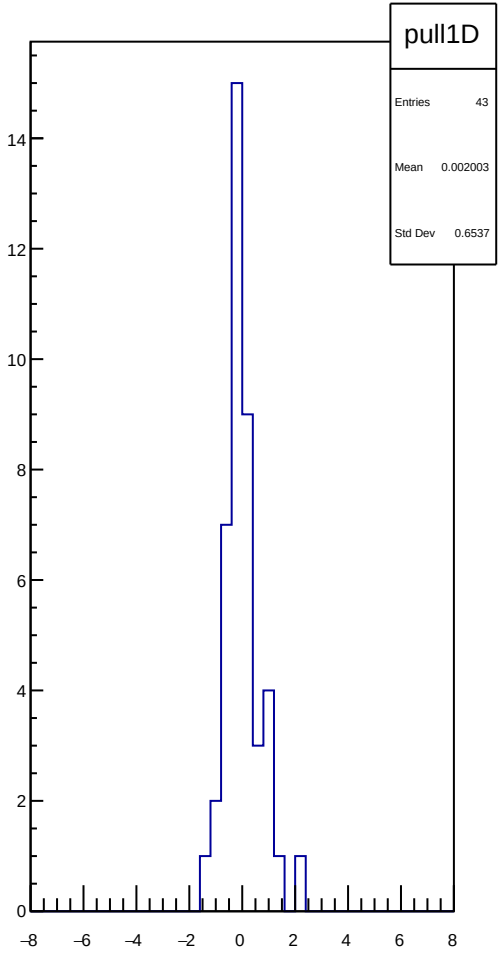

reg_asym_right_avg_diff_bpm4eY_slope vs run
χ² / ndf 18.1 / 42
p0 0.3277 ± 1.474
20
10
0
−10
−20
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 185.1
Std Dev 0
1
0.5
0
−0.5
−1

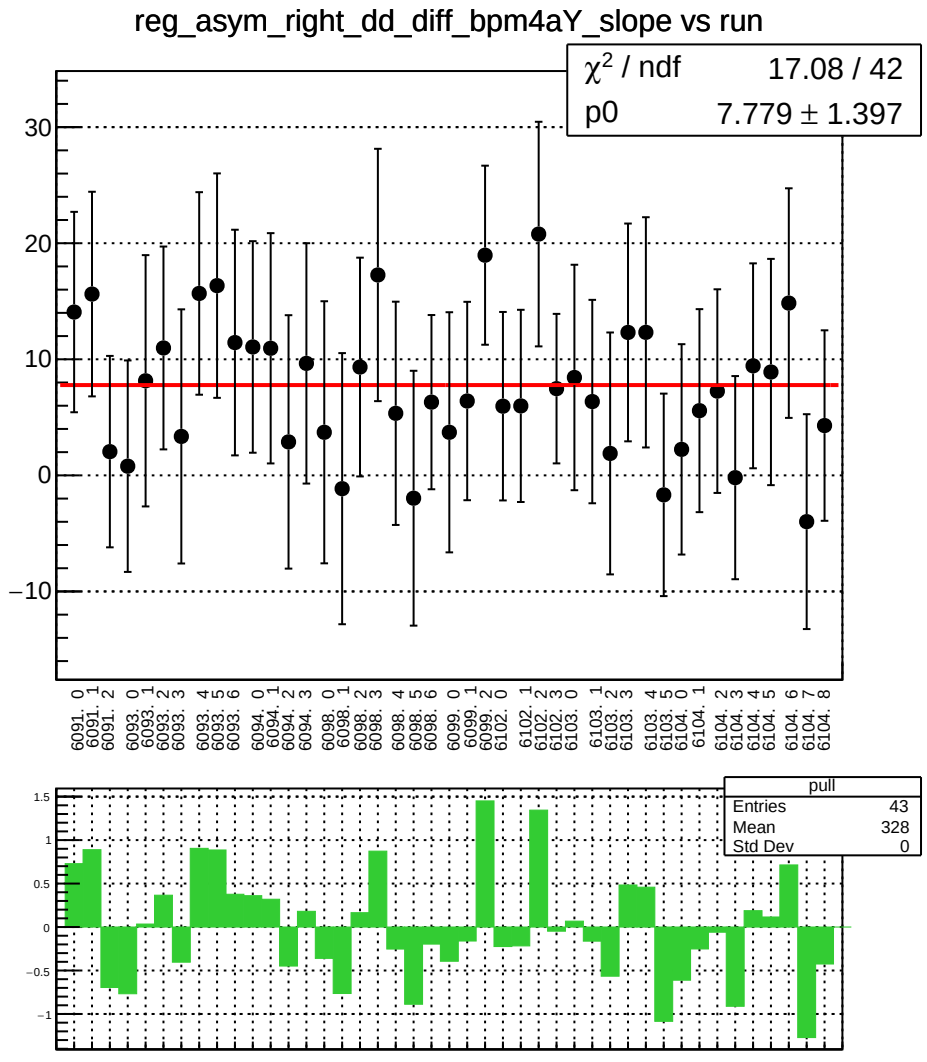

pull1D
Entries 43
Mean 0.01324
Std Dev 0.6487
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

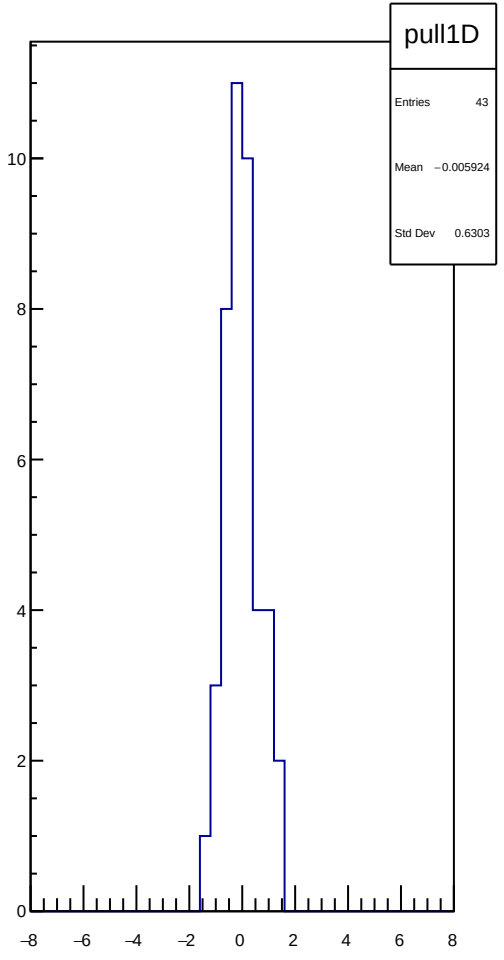

reg_asym_right_avg_diff_bpm12X_slope vs run
χ² / ndf 52.67 / 42
p0 −20.16 ± 0.112
pull
Entries 43
Mean 872.3
Std Dev 0

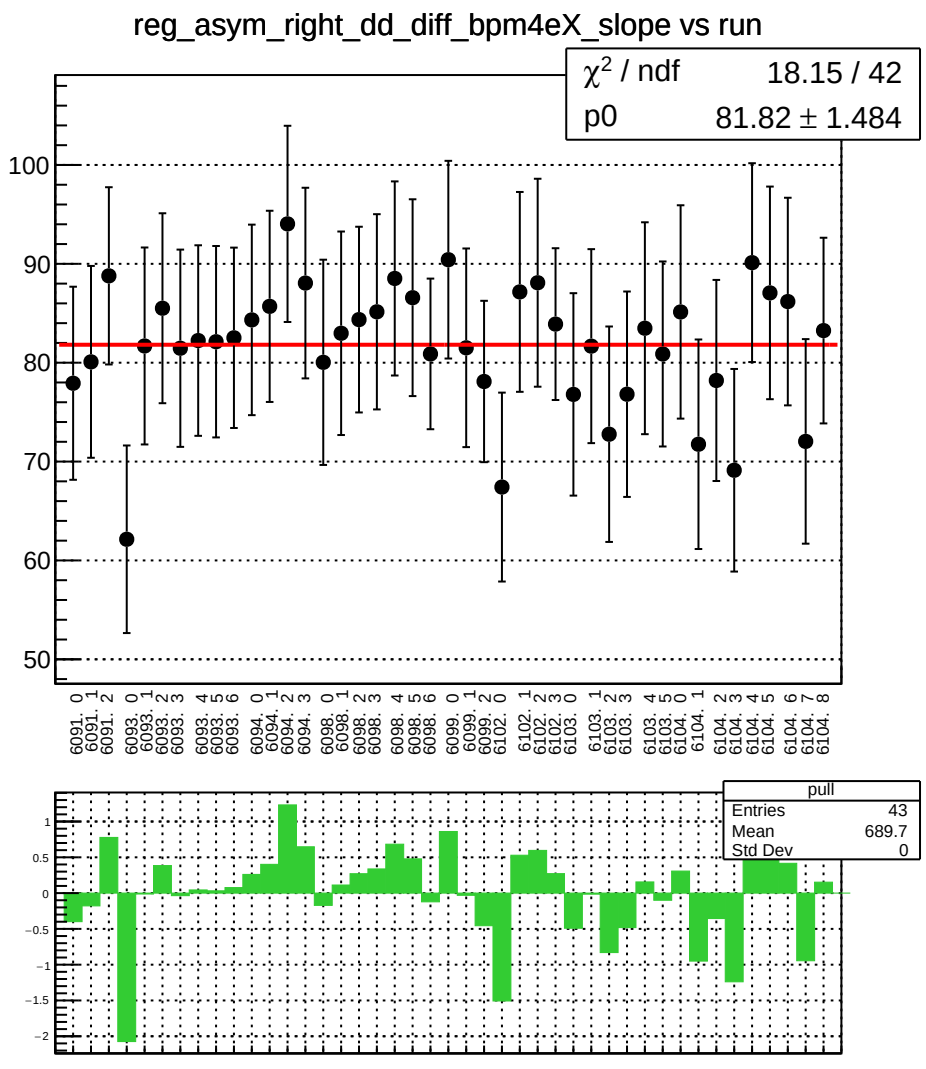

pull1D
Entries 43
Mean 0.01047
Std Dev 1.107

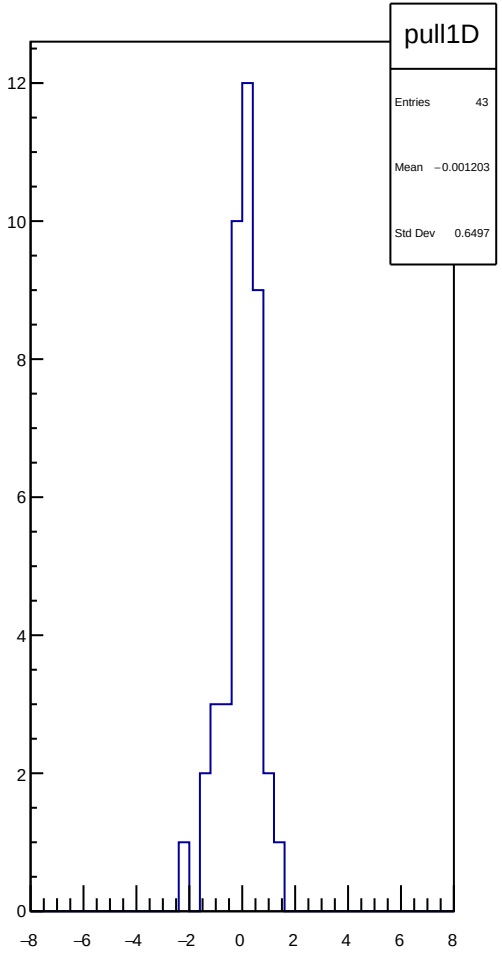

reg_asym_right_dd_diff_bpm1X_slope vs run
χ² / ndf 18.38 / 42
p0 −40.2 ± 1.215
pull
Entries 43
Mean 380.8
Std Dev 0

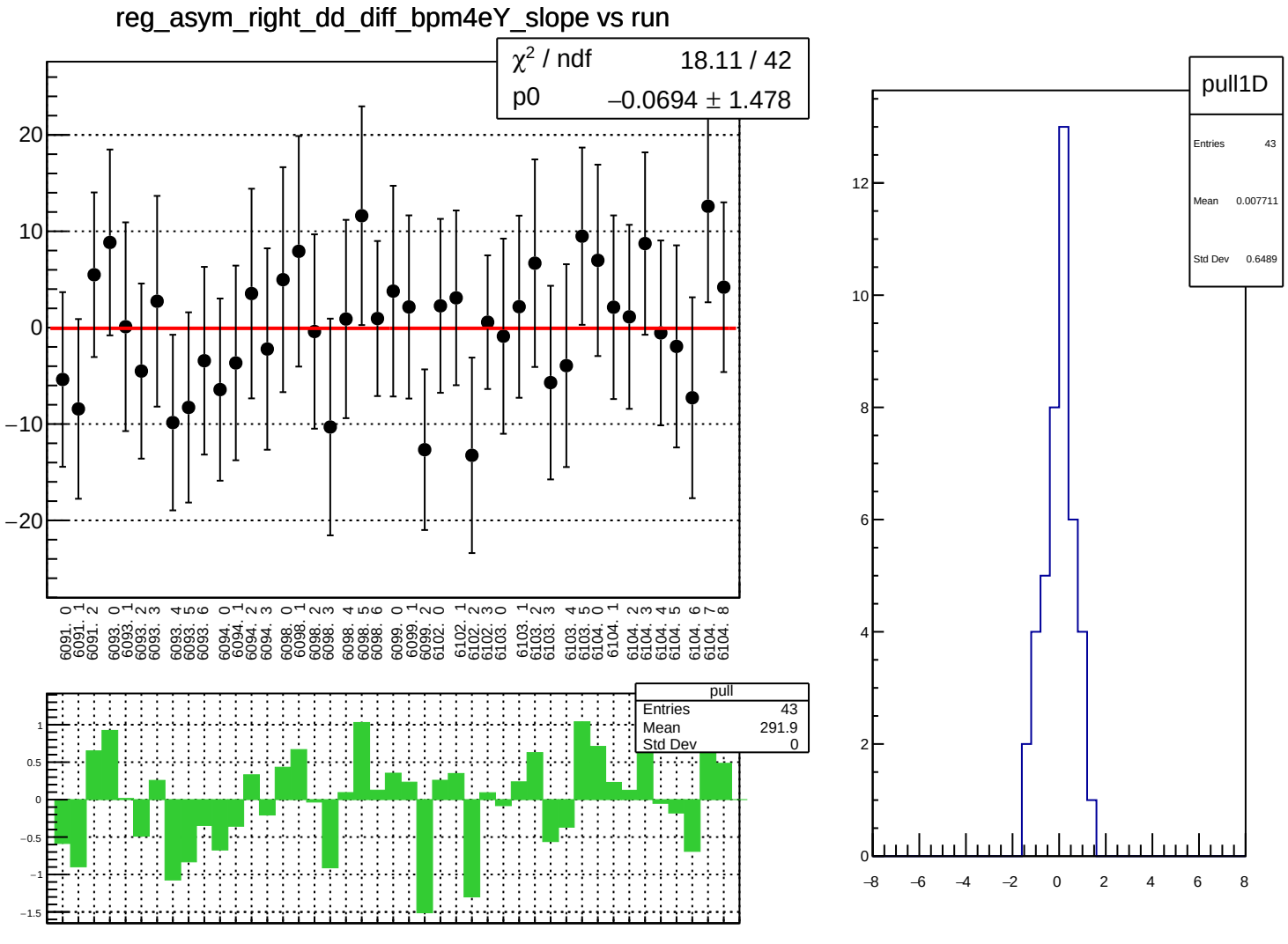

pull1D
Entries 43
Mean 0.002003
Std Dev 0.6537

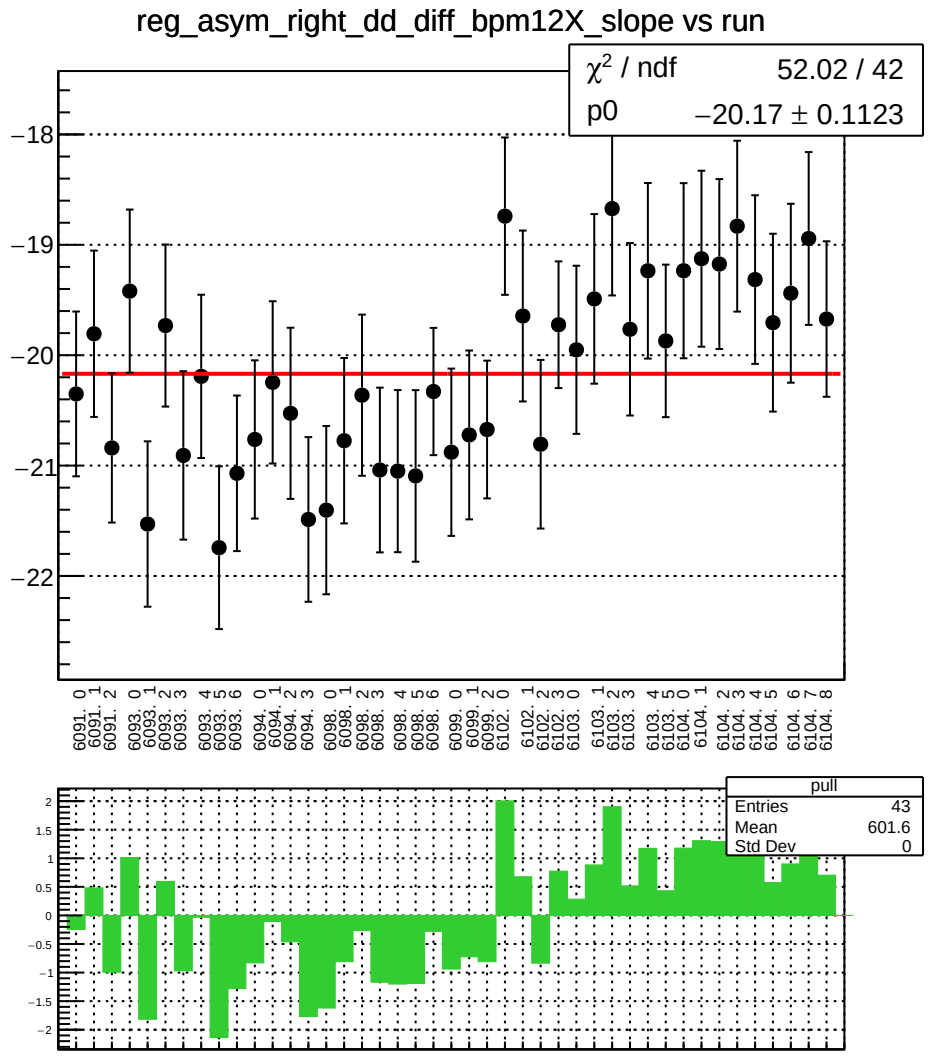

reg_asym_right_dd_diff_bpm4aY_slope vs run
χ² / ndf 17.08 / 42
p0 7.779 ± 1.397
30
20
10
0
−10
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 328
Std Dev 0
1.5
1
0.5
0
−0.5
−1

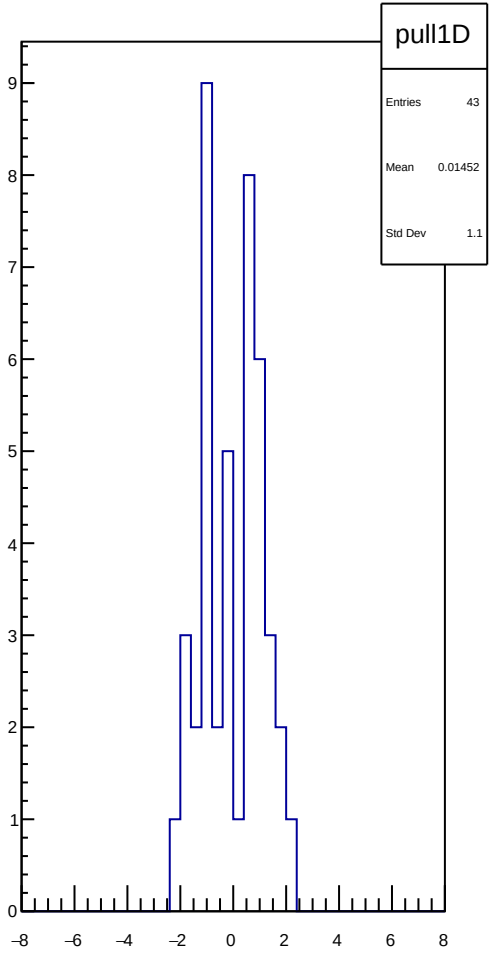

pull1D
Entries 43
Mean −0.005924
Std Dev 0.6303
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

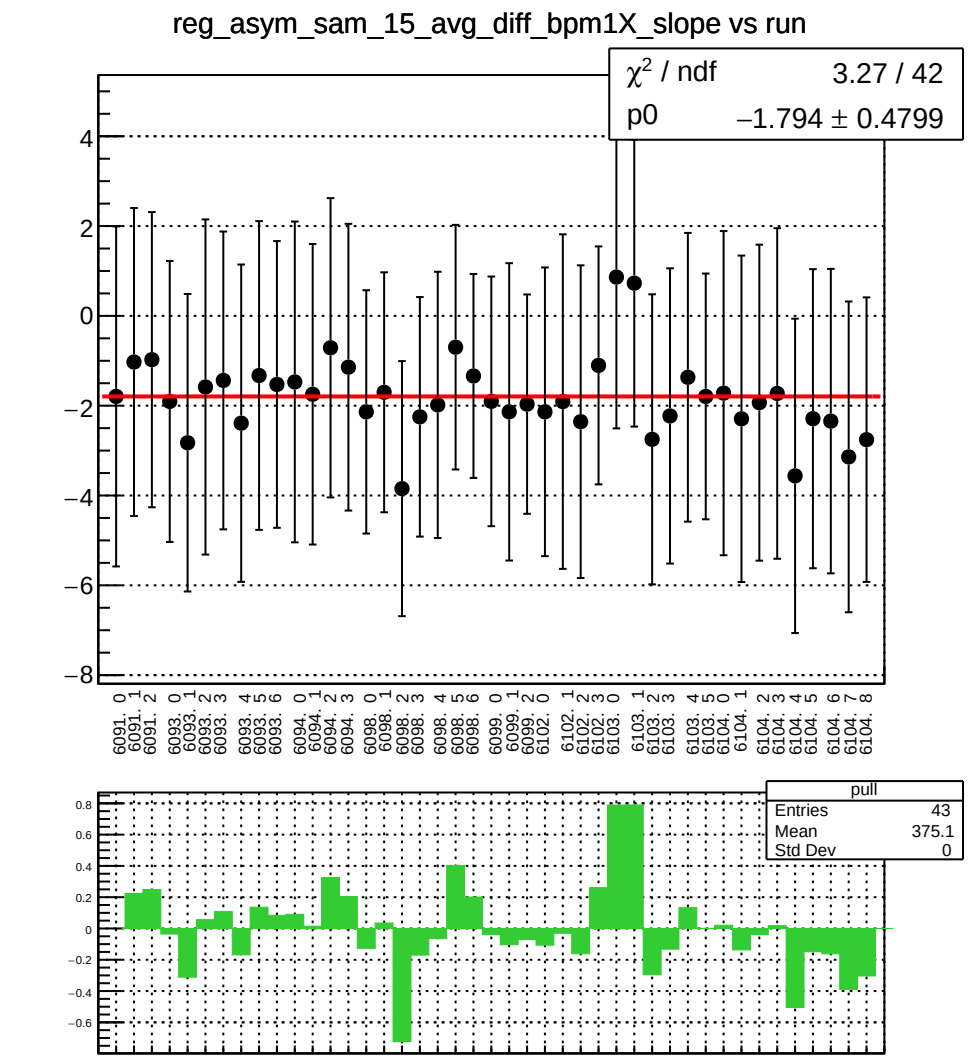

reg_asym_right_dd_diff_bpm4eX_slope vs run
χ² / ndf 18.15 / 42
p0 81.82 ± 1.484
100
90
80
70
60
50
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 689.7
Std Dev 0
1
0.5
0
−0.5
−1
−1.5
−2

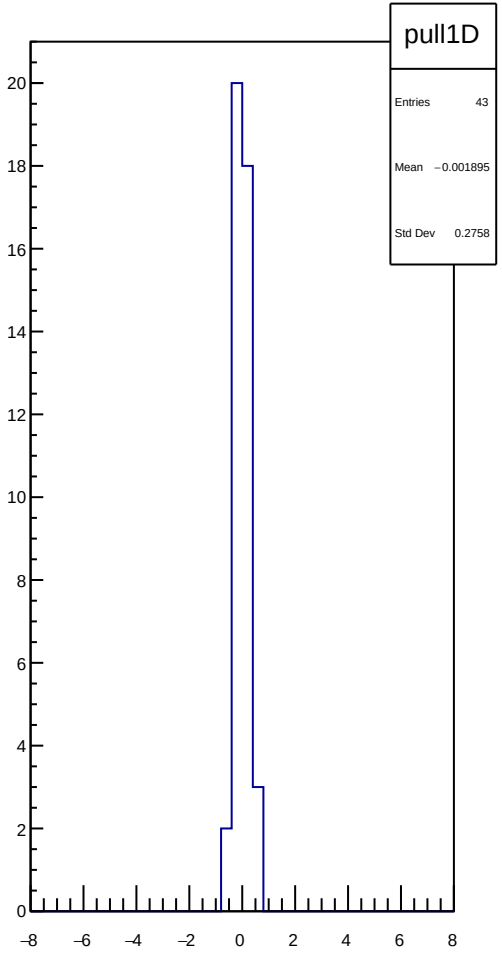

pull1D
Entries 43
Mean −0.001203
Std Dev 0.6497
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

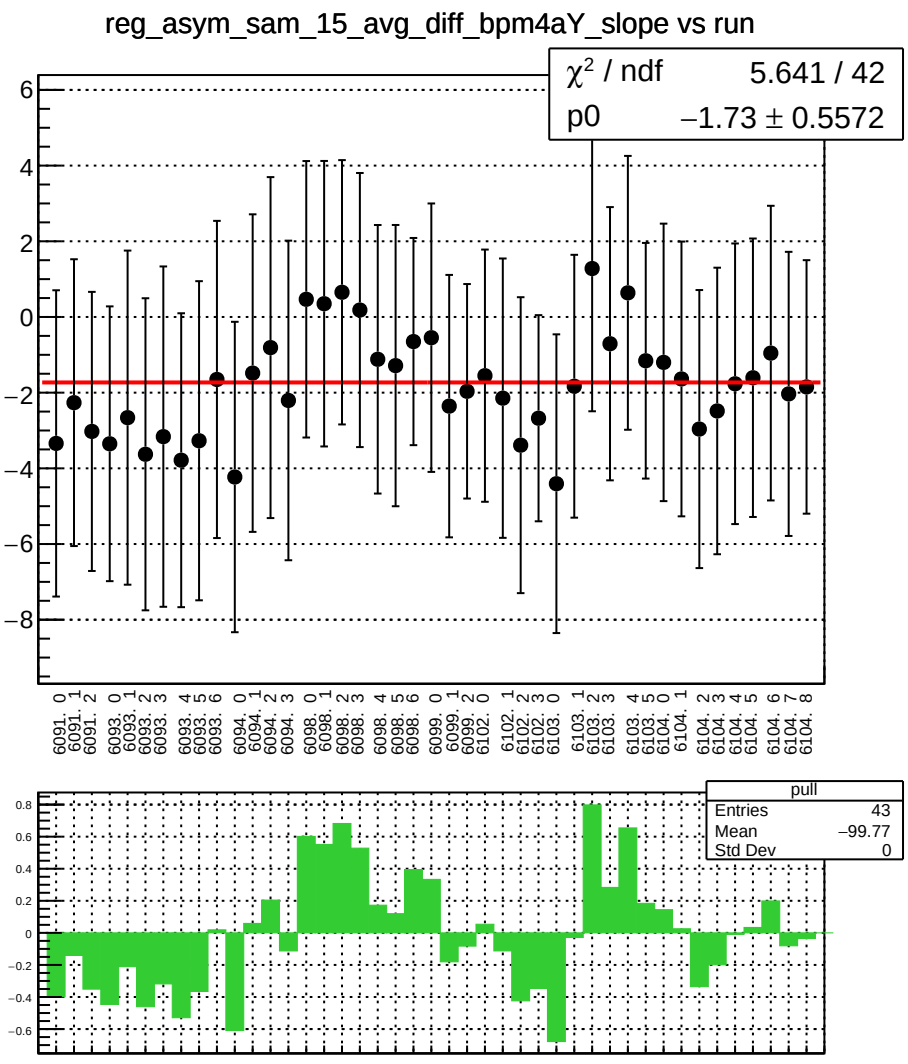

reg_asym_right_dd_diff_bpm4eY_slope vs run
χ² / ndf 18.11 / 42
p0 −0.0694 ± 1.478
20
10
0
−10
−20
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 291.9
Std Dev 0
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 43
Mean 0.007711
Std Dev 0.6489
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

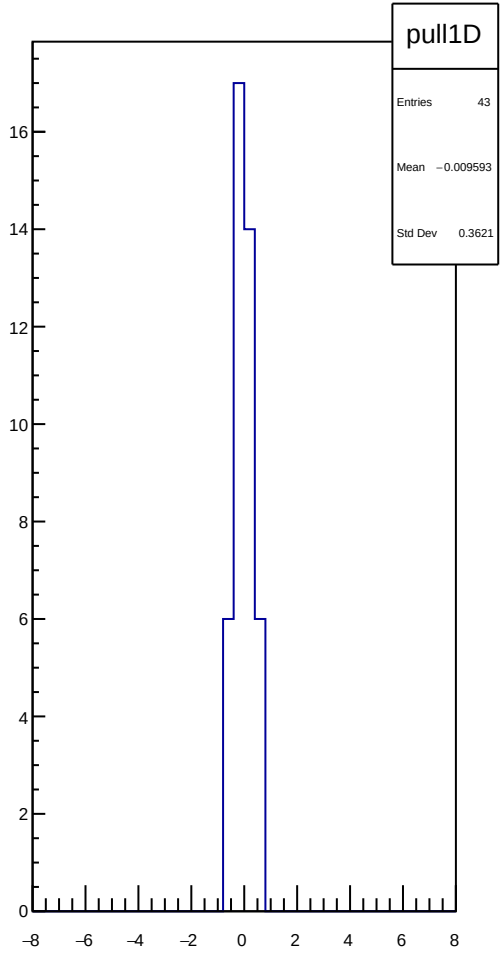

reg_asym_right_dd_diff_bpm12X_slope vs run
χ² / ndf 52.02 / 42
p0 −20.17 ± 0.1123
−18
−19
−20
−21
−22
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 601.6
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

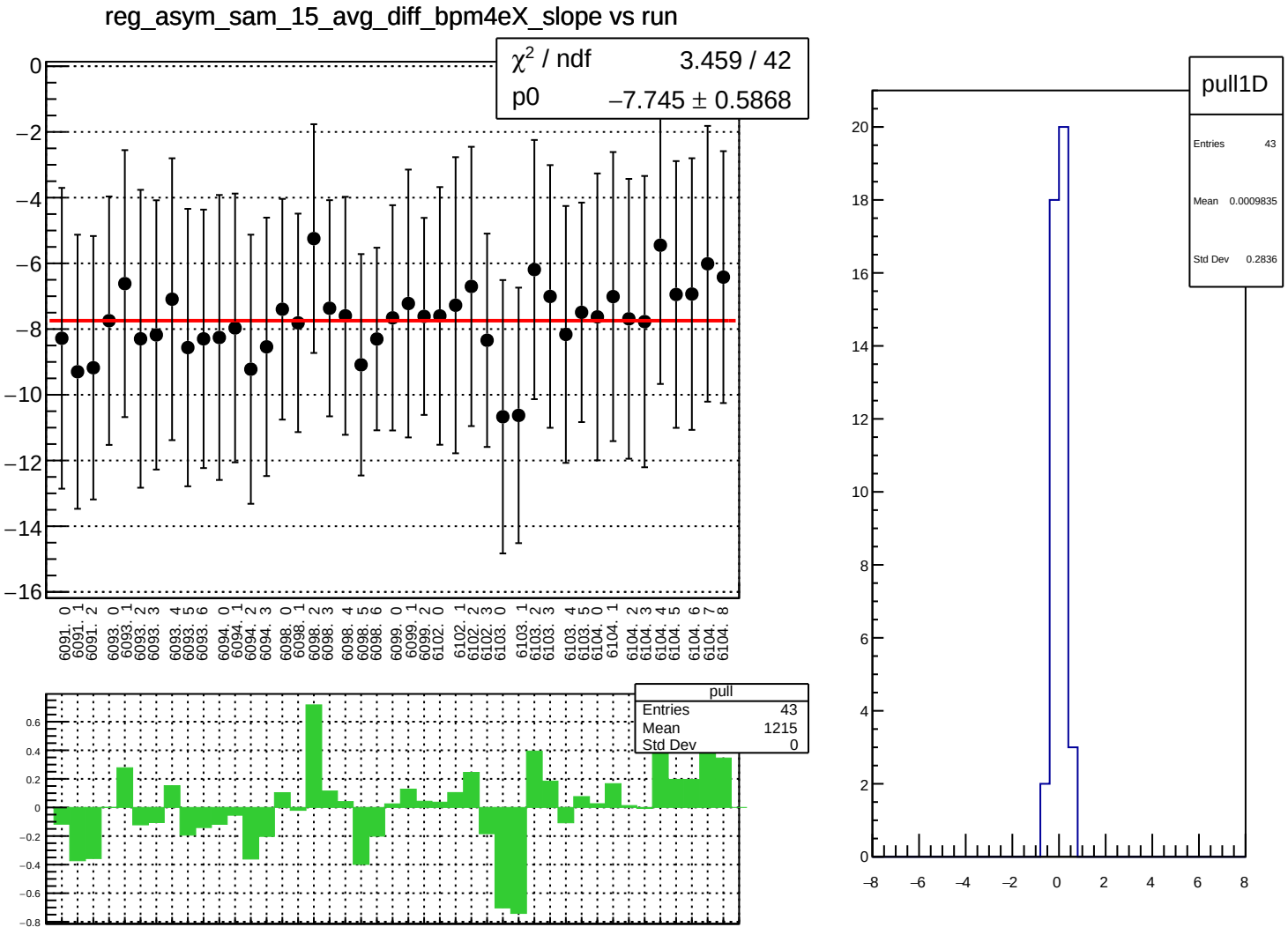

pull1D
Entries 43
Mean 0.01452
Std Dev 1.1
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

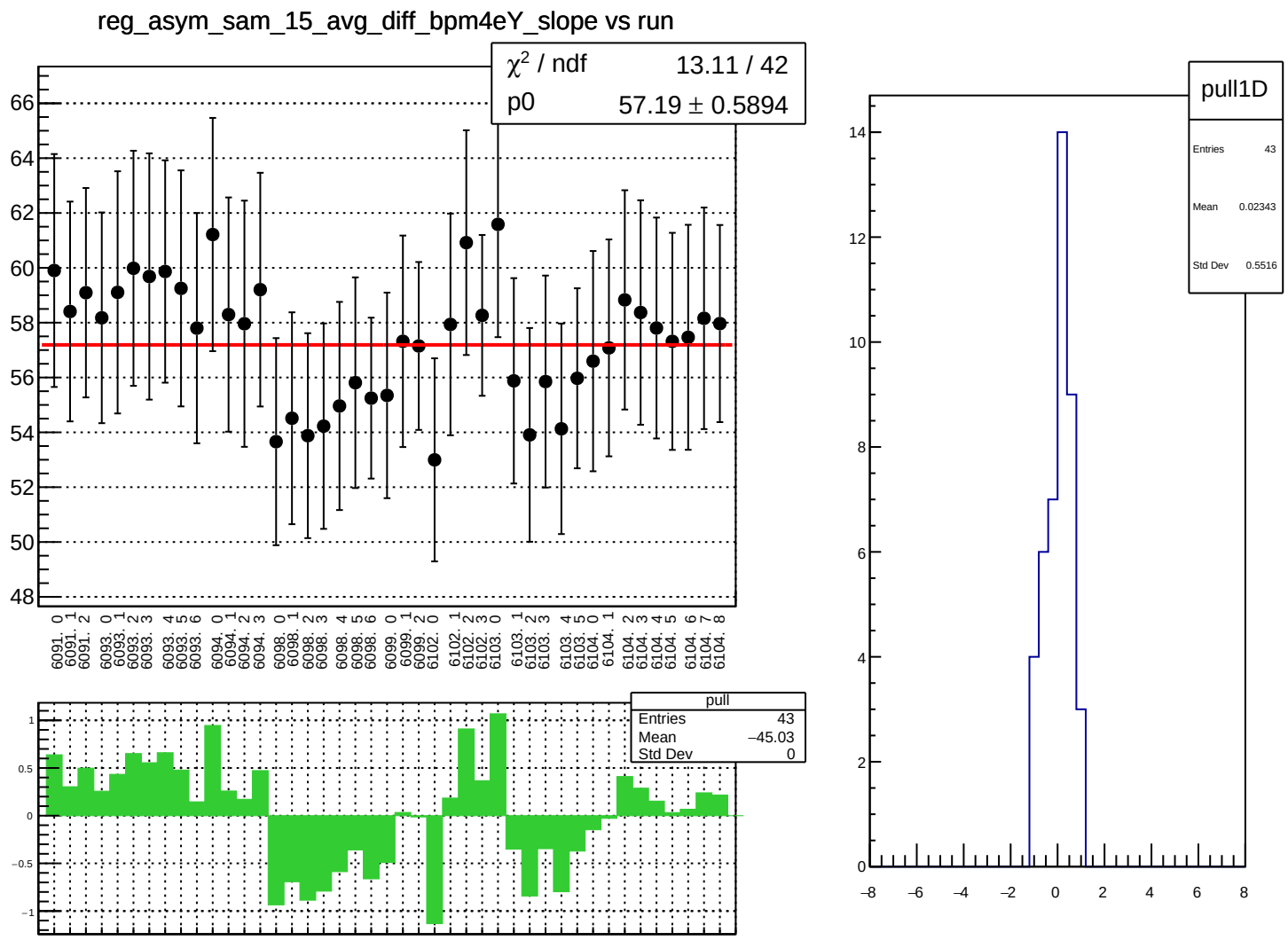

reg_asym_sam_15_avg_diff_bpm1X_slope vs run
χ² / ndf 3.27 / 42
p0 −1.794 ± 0.4799
pull
Entries 43
Mean 375.1
Std Dev 0

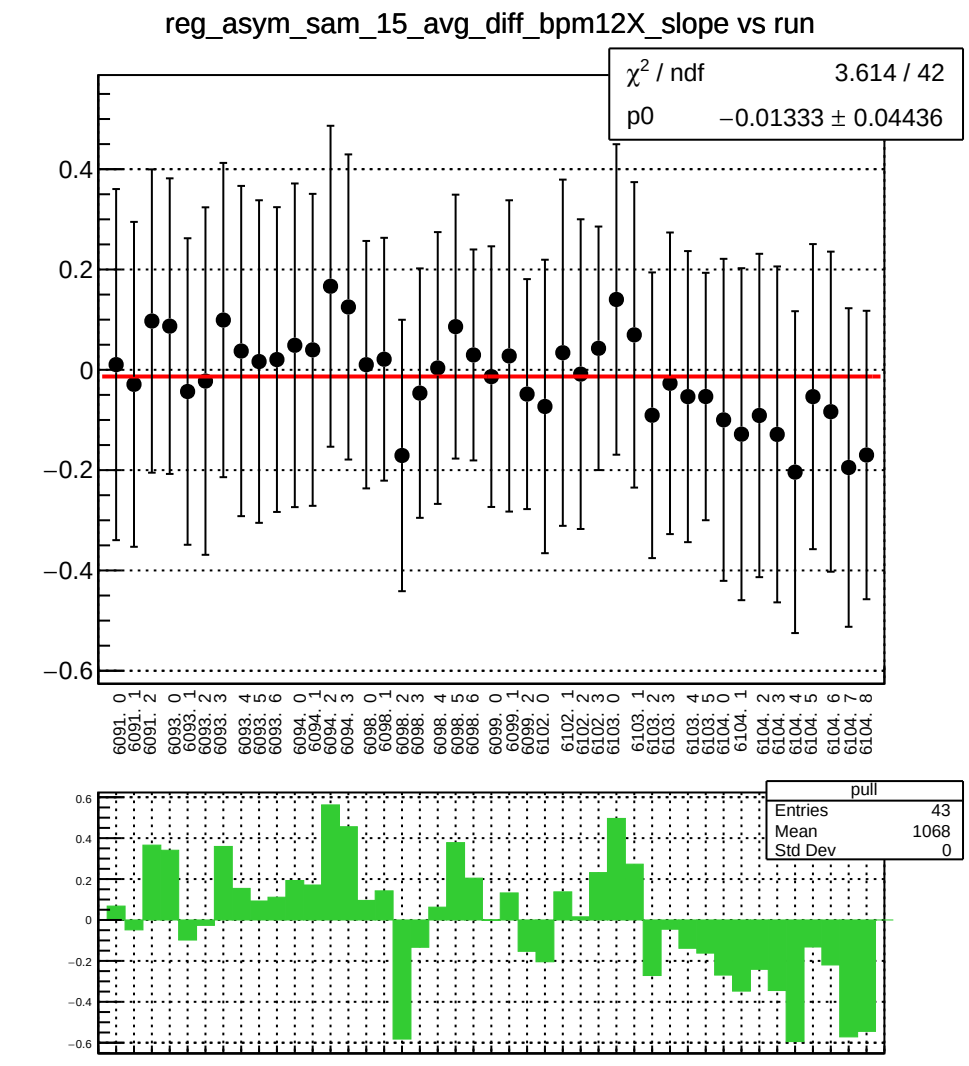

pull1D
Entries 43
Mean −0.001895
Std Dev 0.2758

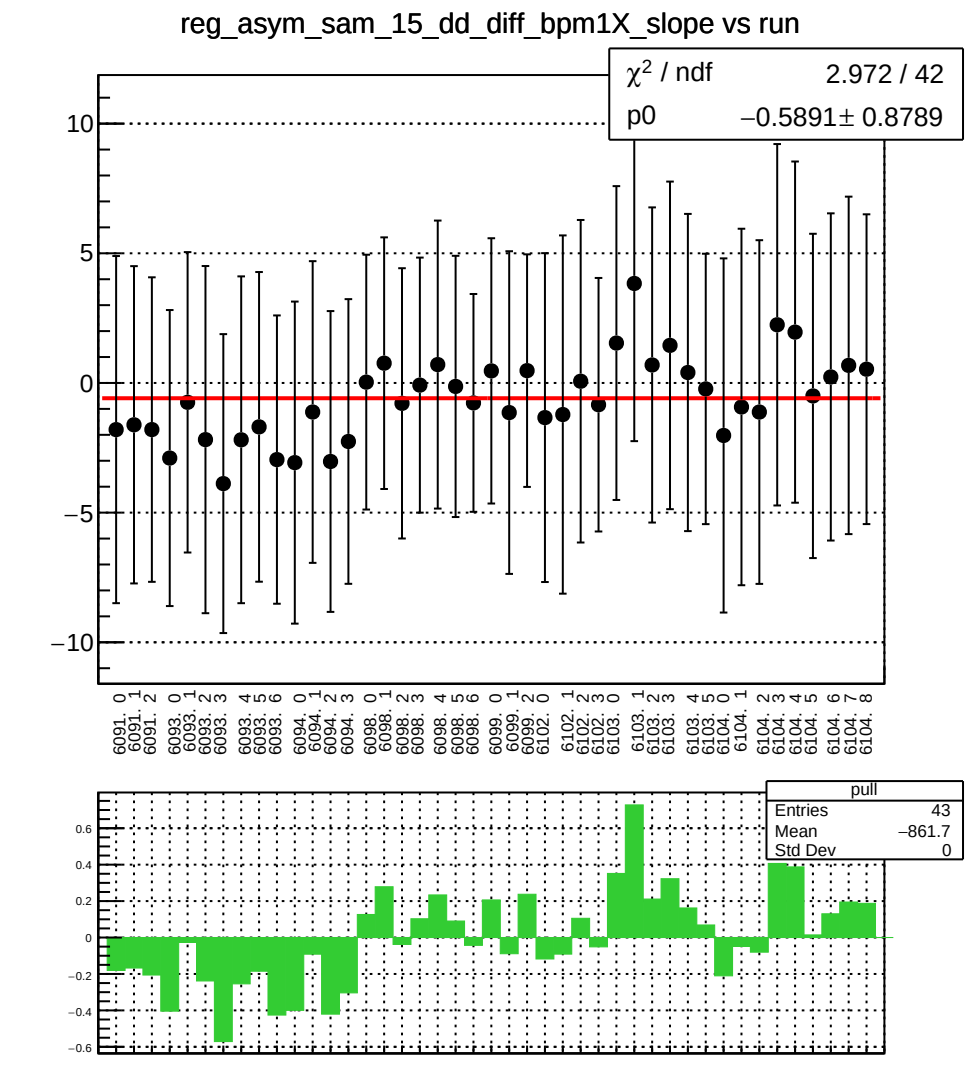

reg_asym_sam_15_avg_diff_bpm4aY_slope vs run
χ² / ndf 5.641 / 42
p0 −1.73 ± 0.5572
pull
Entries 43
Mean −99.77
Std Dev 0

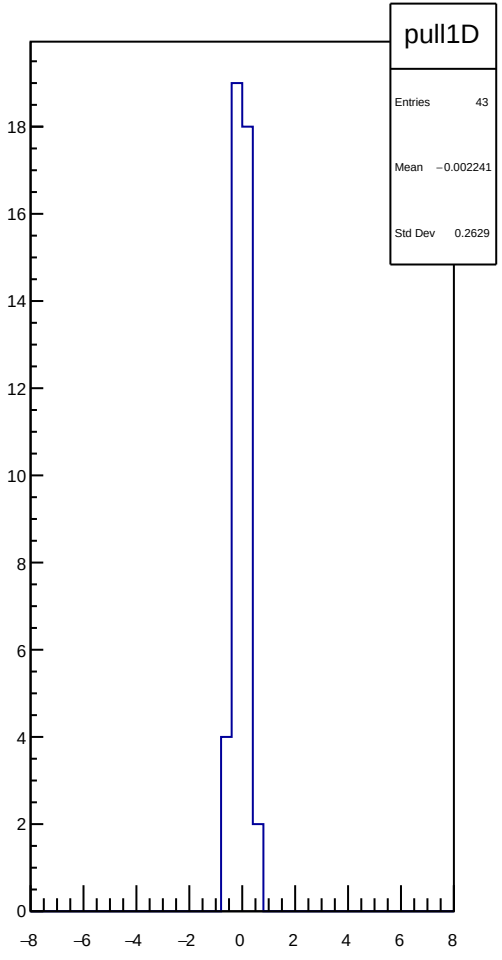

pull1D
Entries 43
Mean −0.009593
Std Dev 0.3621

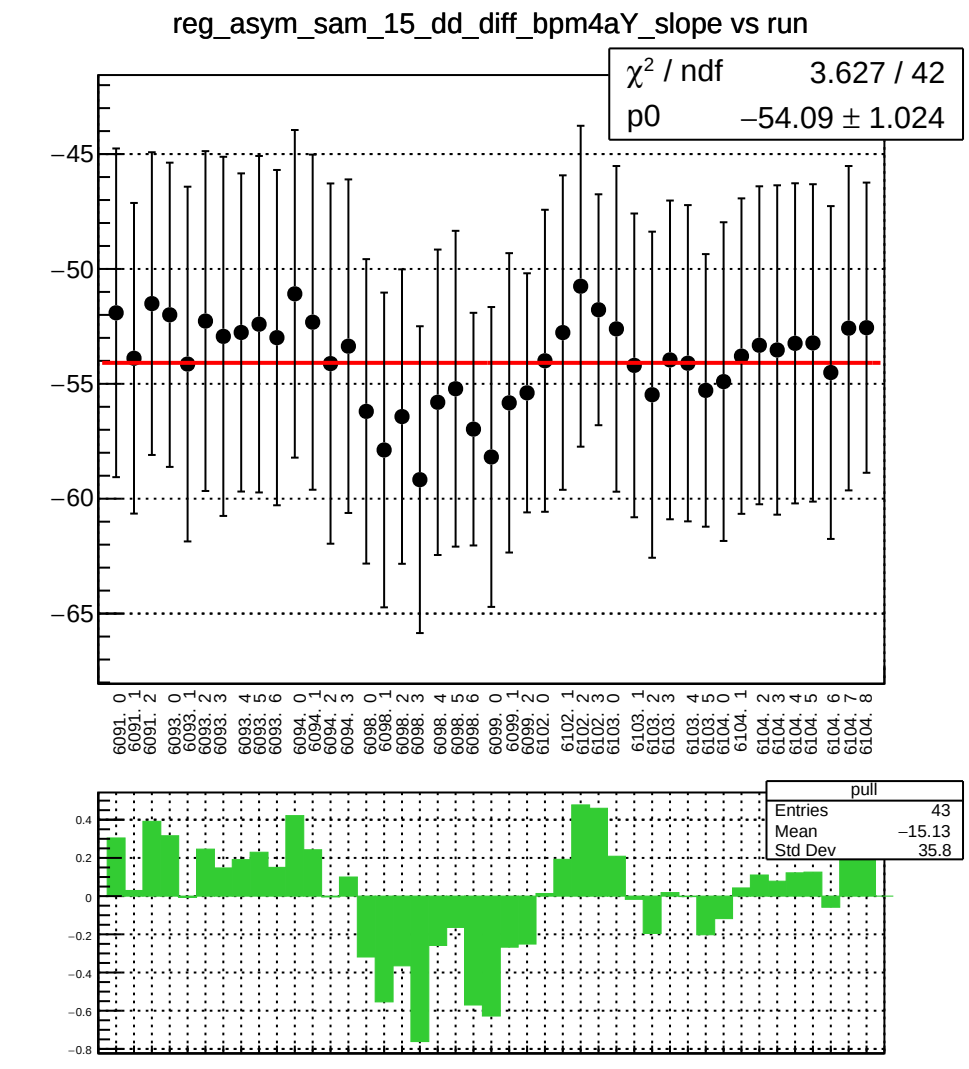

reg_asym_sam_15_avg_diff_bpm4eX_slope vs run
χ² / ndf 3.459 / 42
p0 −7.745 ± 0.5868
pull
Entries 43
Mean 1215
Std Dev 0
pull1D
Entries 43
Mean 0.0009835
Std Dev 0.2836

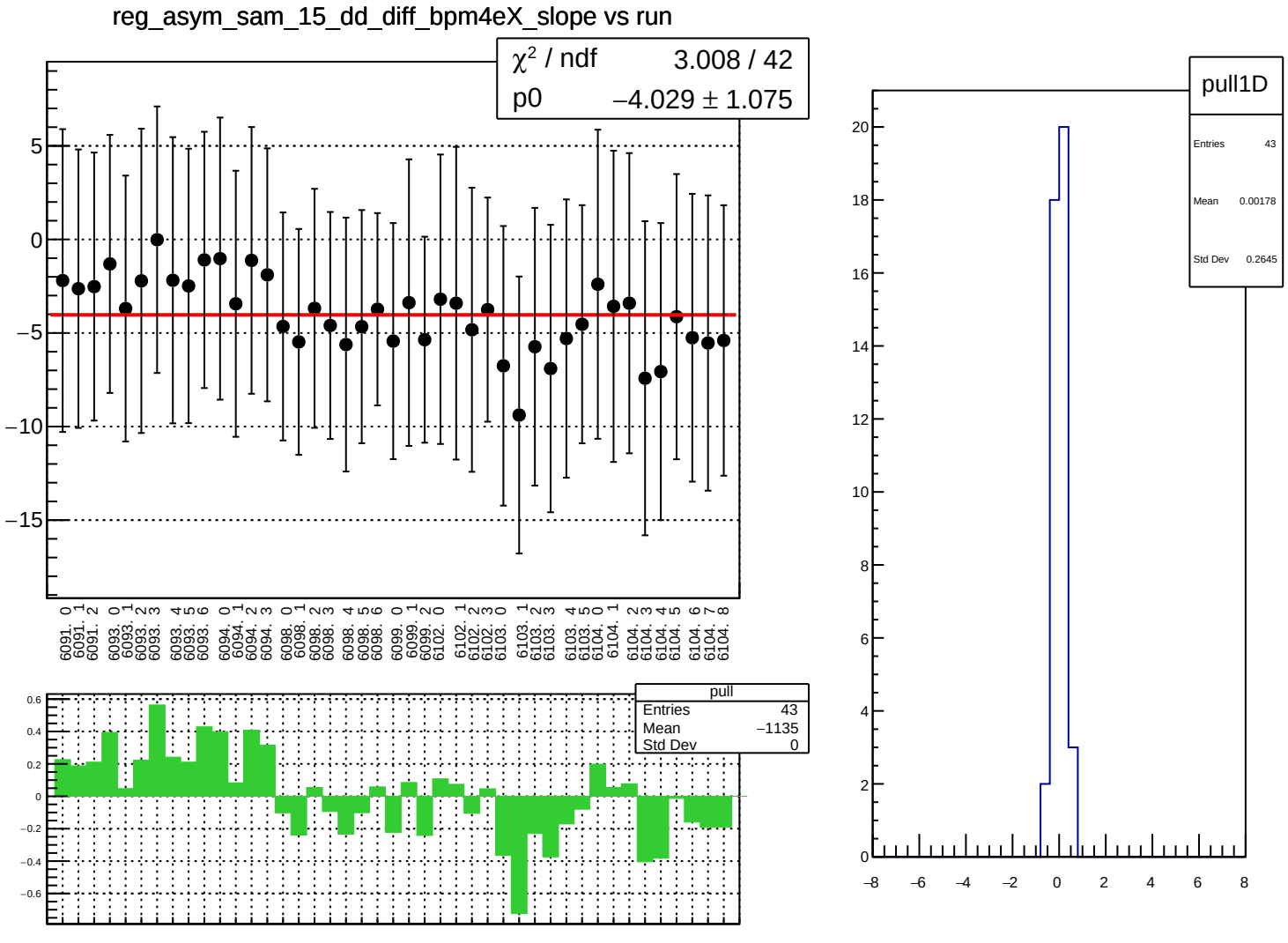

reg_asym_sam_15_avg_diff_bpm4eY_slope vs run
χ² / ndf 13.11 / 42
p0 57.19 ± 0.5894
pull
Entries 43
Mean −45.03
Std Dev 0
pull1D
Entries 43
Mean 0.02343
Std Dev 0.5516

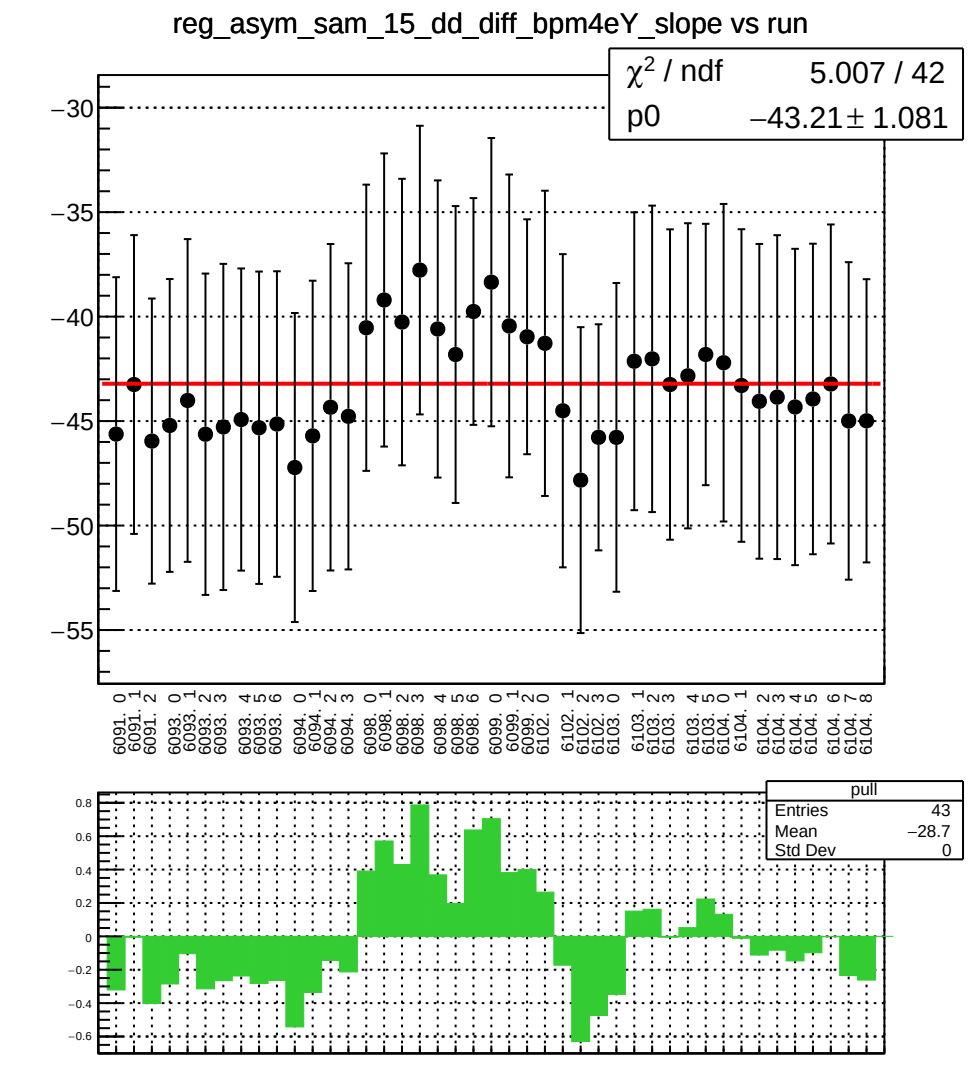

reg_asym_sam_15_avg_diff_bpm12X_slope vs run
χ² / ndf 3.614 / 42
p0 −0.01333 ± 0.04436
pull
Entries 43
Mean 1068
Std Dev 0
pull1D
Entries 43
Mean −0.001996
Std Dev 0.2899

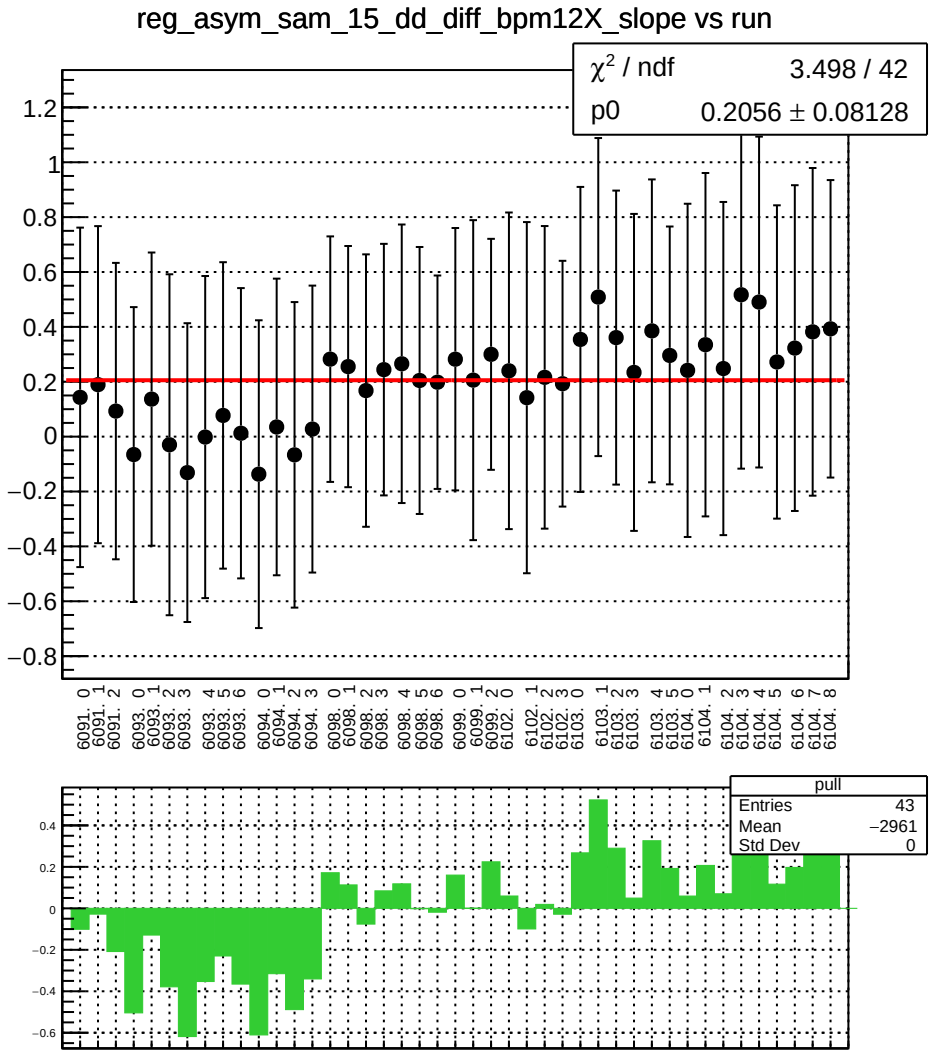

reg_asym_sam_15_dd_diff_bpm1X_slope vs run
χ² / ndf 2.972 / 42
p0 −0.5891± 0.8789
10
5
0
−5
−10
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean −861.7
Std Dev 0
0.6
0.4
0.2
0
−0.2
−0.4
−0.6

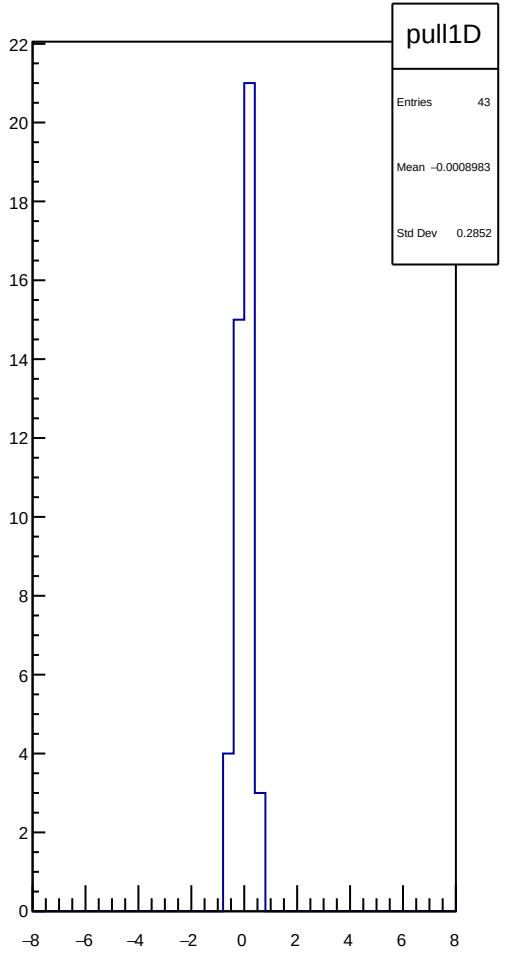

pull1D
Entries 43
Mean −0.002241
Std Dev 0.2629
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

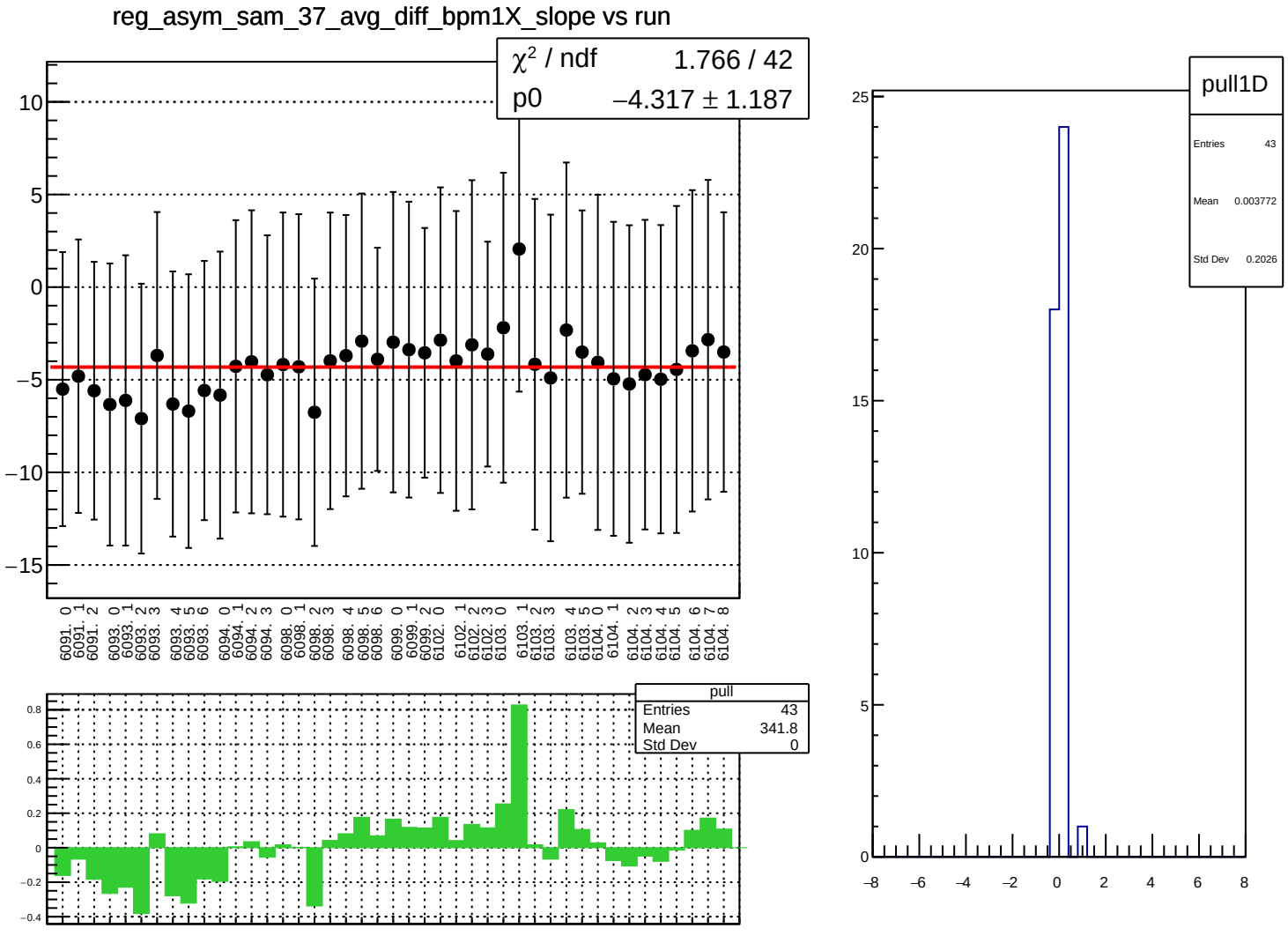

reg_asym_sam_15_dd_diff_bpm4aY_slope vs run
χ² / ndf 3.627 / 42
p0 −54.09 ± 1.024
−45
−50
−55
−60
−65
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean −15.13
Std Dev 35.8
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
pull1D
Entries 43
Mean 0.007797
Std Dev 0.2903
22
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

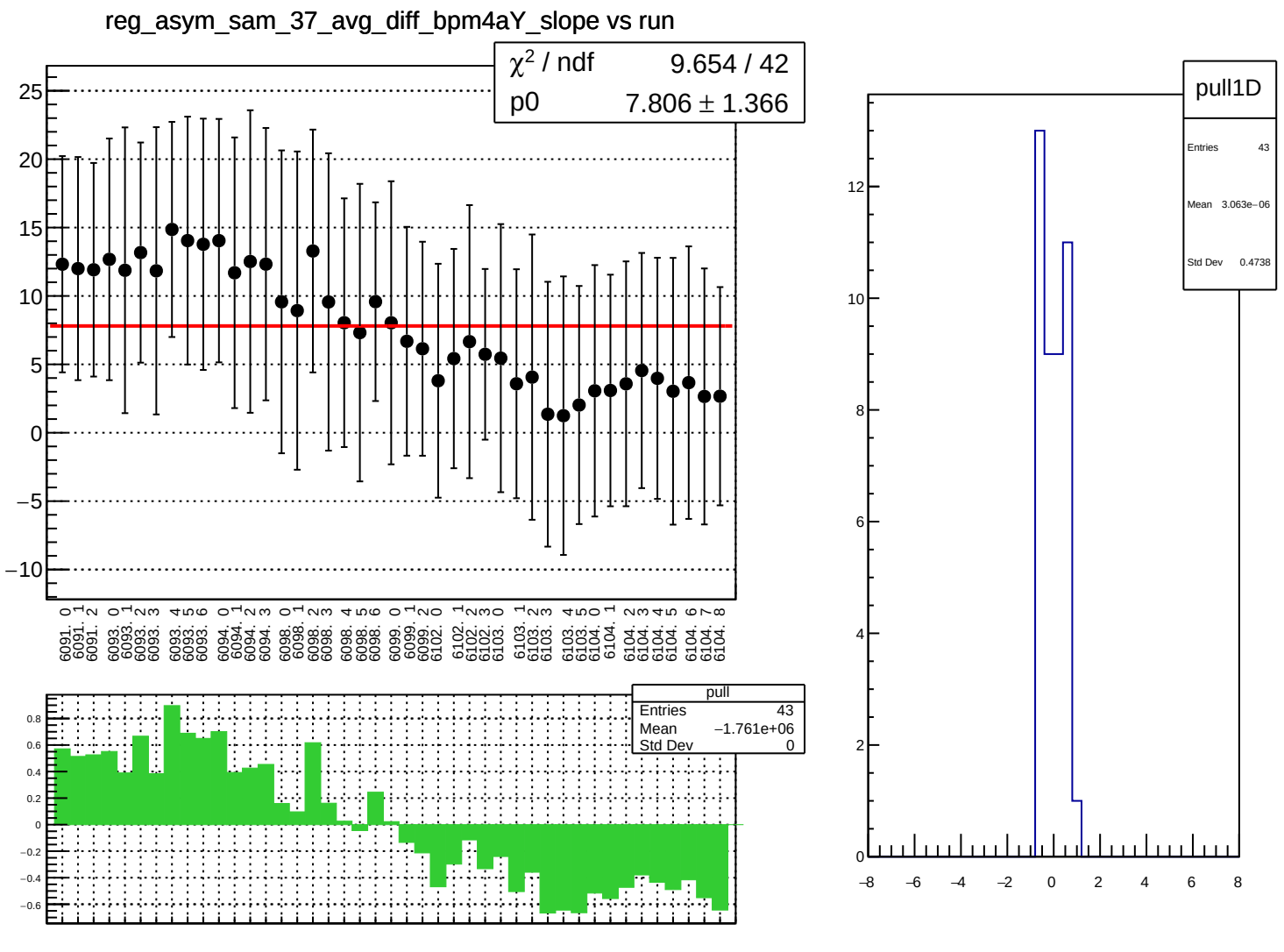

reg_asym_sam_15_dd_diff_bpm4eX_slope vs run
χ² / ndf 3.008 / 42
p0 −4.029 ± 1.075
5
0
−5
−10
−15
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean −1135
Std Dev 0
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
pull1D
Entries 43
Mean 0.00178
Std Dev 0.2645
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

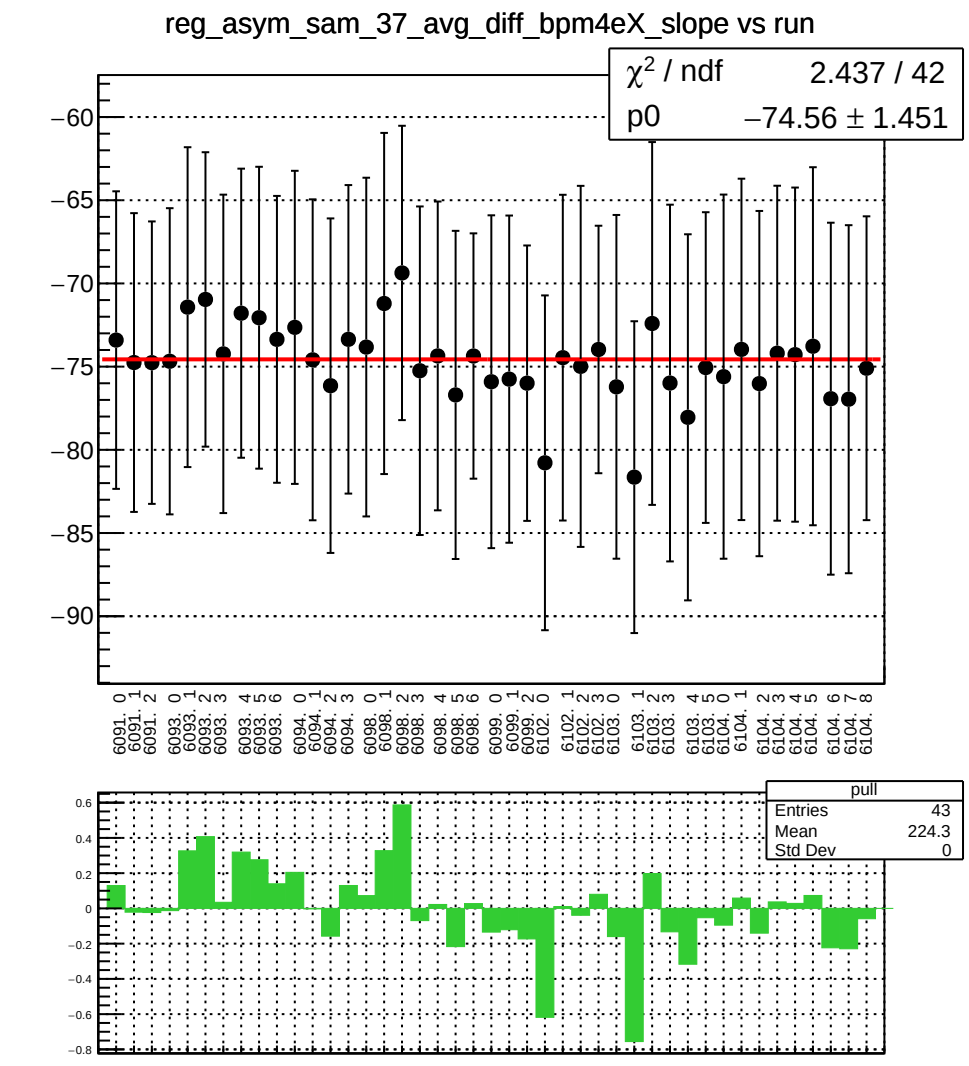

reg_asym_sam_15_dd_diff_bpm4eY_slope vs run
χ² / ndf 5.007 / 42
p0 −43.21 ± 1.081
−30
−35
−40
−45
−50
−55
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean −28.7
Std Dev 0
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
pull1D
Entries 43
Mean −0.01022
Std Dev 0.3411
24
22
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

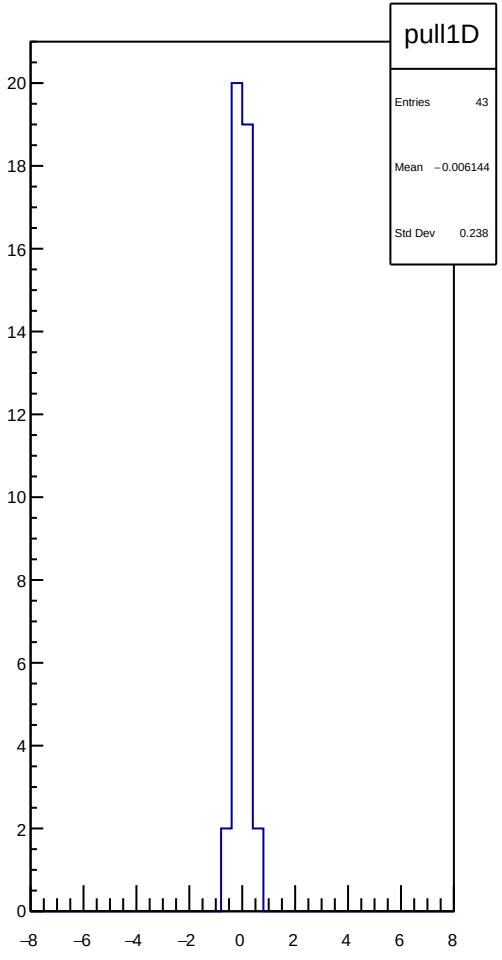

reg_asym_sam_15_dd_diff_bpm12X_slope vs run
χ² / ndf 3.498 / 42
p0 0.2056 ± 0.08128
pull
Entries 43
Mean −2961
Std Dev 0

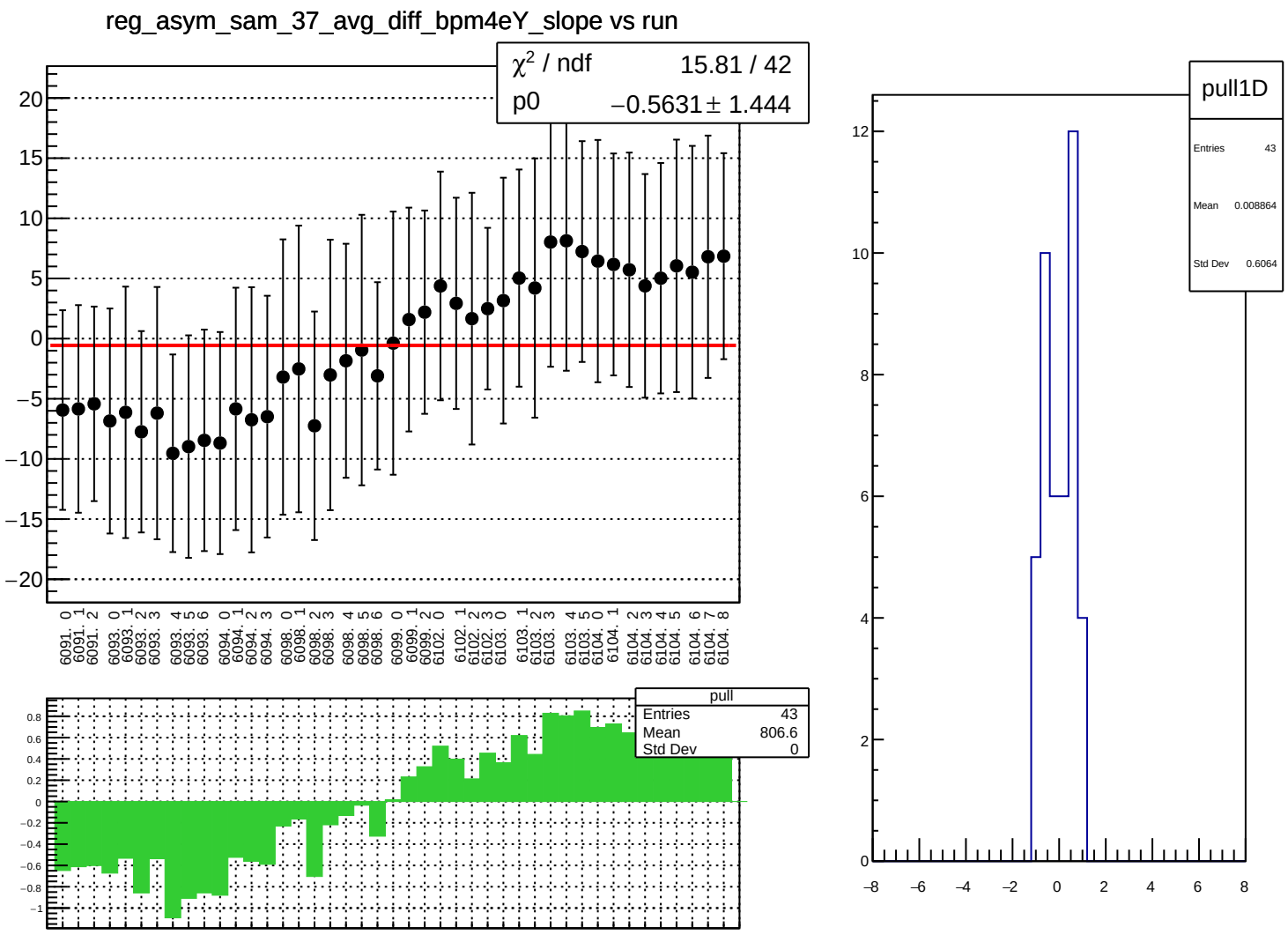

pull1D
Entries 43
Mean −0.0008983
Std Dev 0.2852

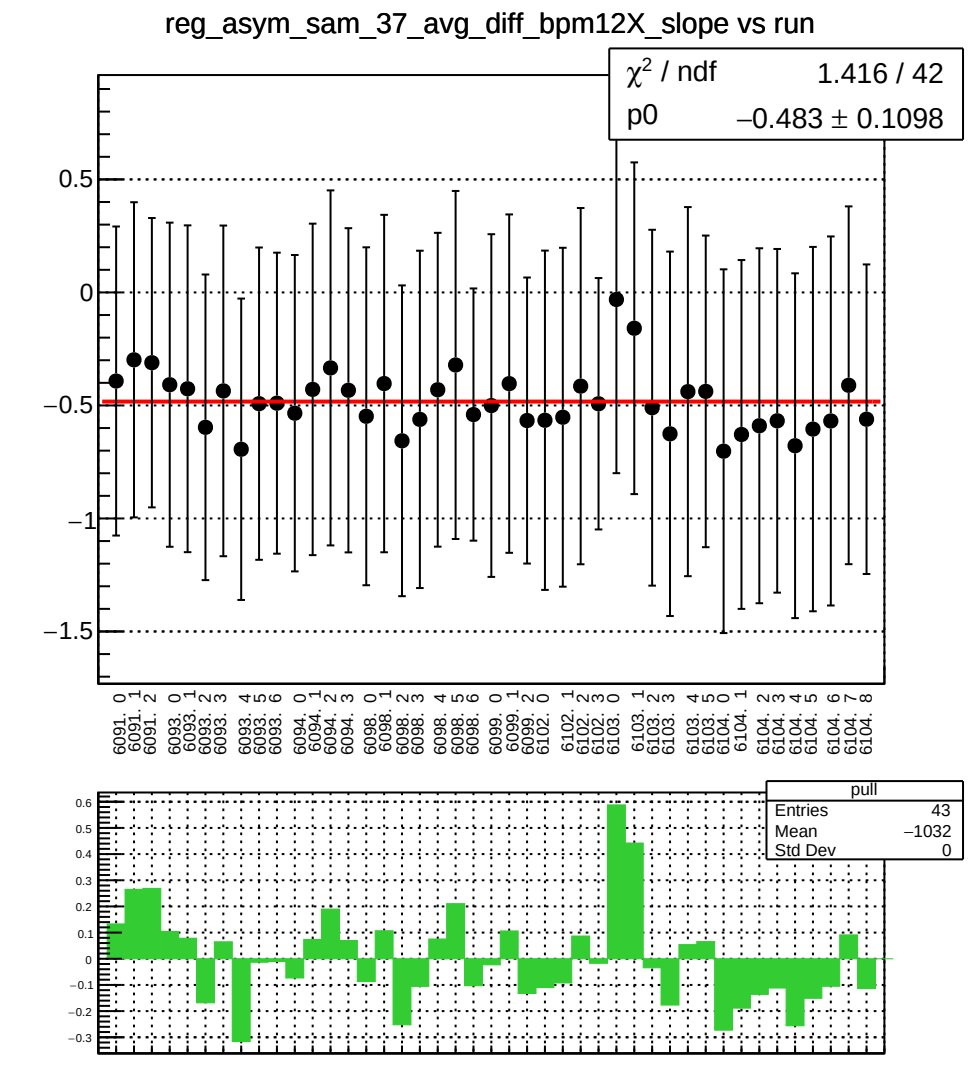

reg_asym_sam_37_avg_diff_bpm1X_slope vs run
χ² / ndf 1.766 / 42
p0 −4.317 ± 1.187
10
5
0
−5
−10
−15
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 341.8
Std Dev 0
0.8
0.6
0.4
0.2
0
−0.2
−0.4
pull1D
Entries 43
Mean 0.003772
Std Dev 0.2026
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

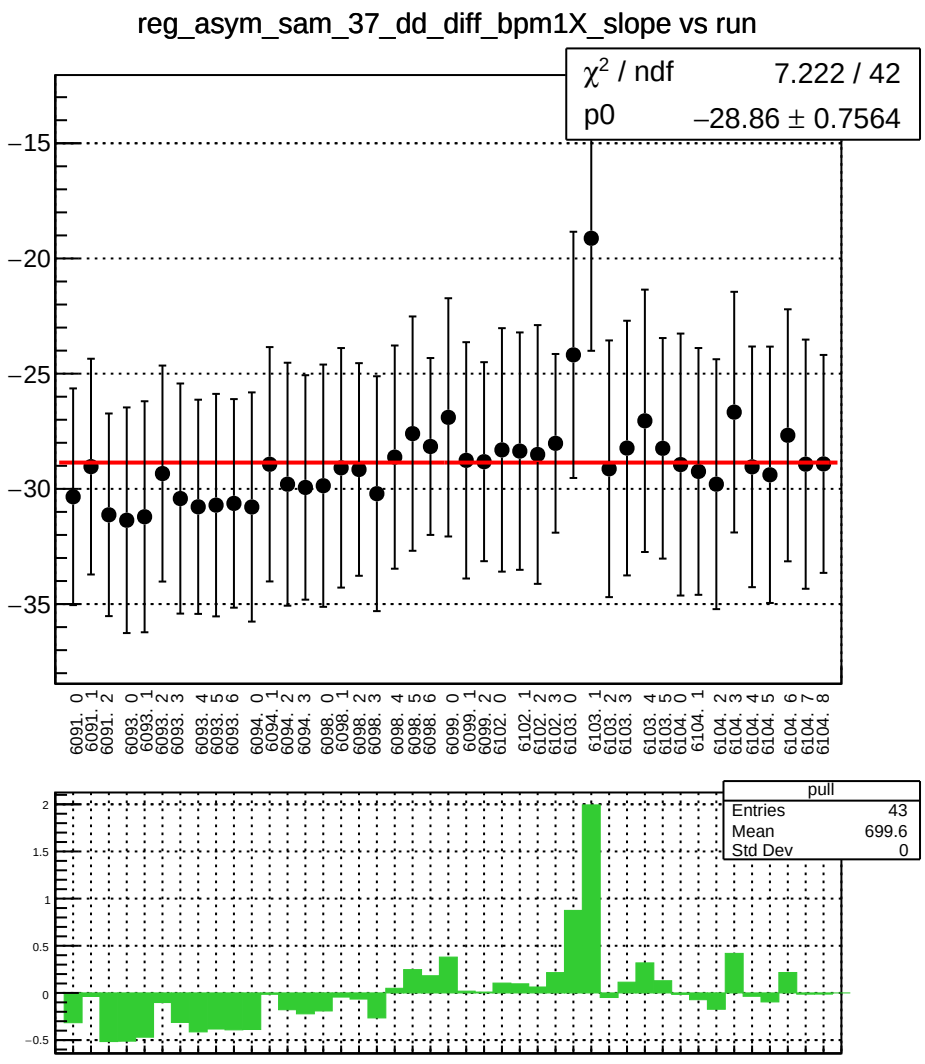

reg_asym_sam_37_avg_diff_bpm4aY_slope vs run
χ² / ndf 9.654 / 42
p0 7.806 ± 1.366
pull
Entries 43
Mean −1.761e+06
Std Dev 0
pull1D
Entries 43
Mean 3.063e−06
Std Dev 0.4738

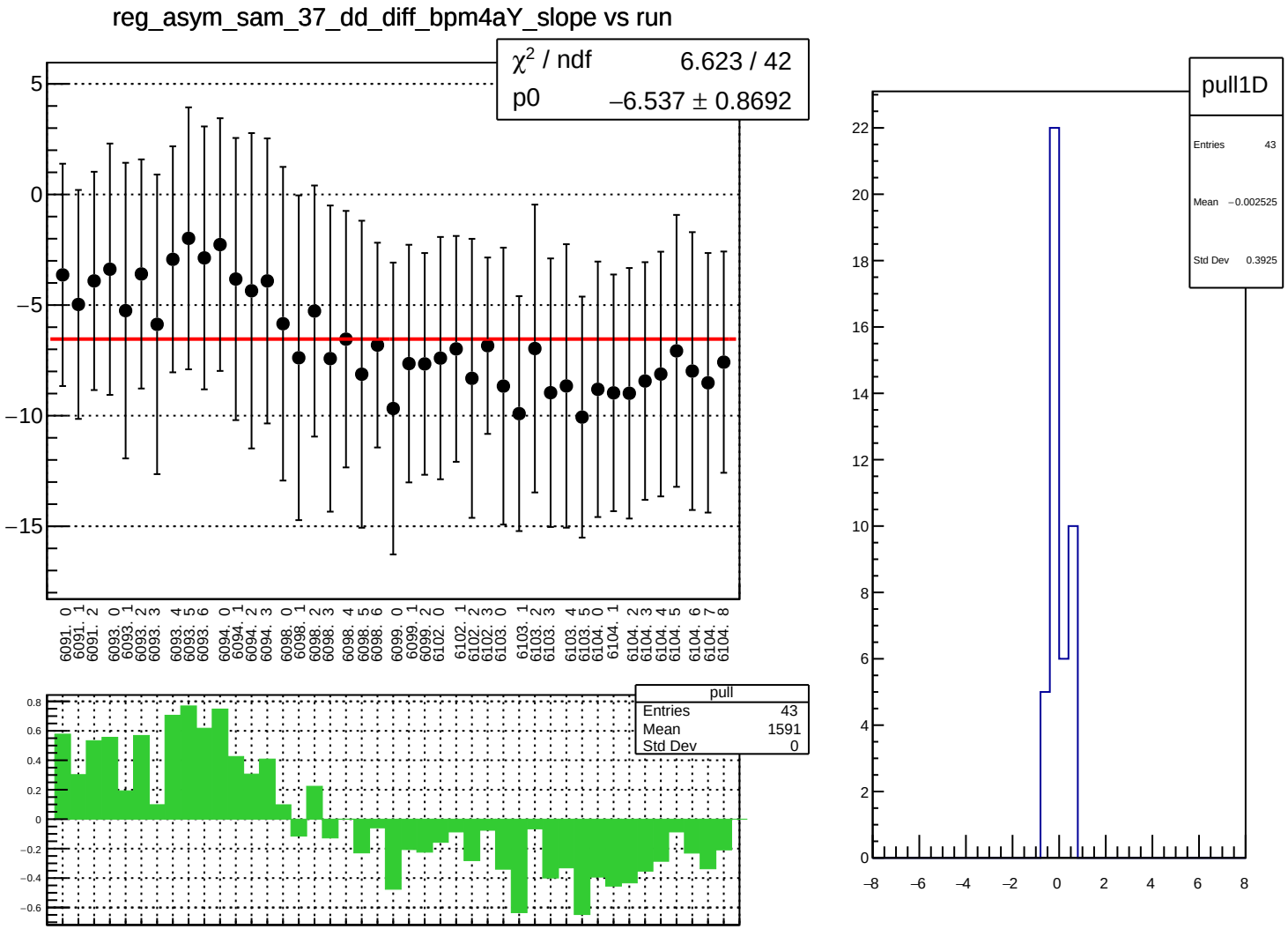

reg_asym_sam_37_avg_diff_bpm4eX_slope vs run
χ² / ndf 2.437 / 42
p0 −74.56 ± 1.451
−60
−65
−70
−75
−80
−85
−90
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 224.3
Std Dev 0
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8

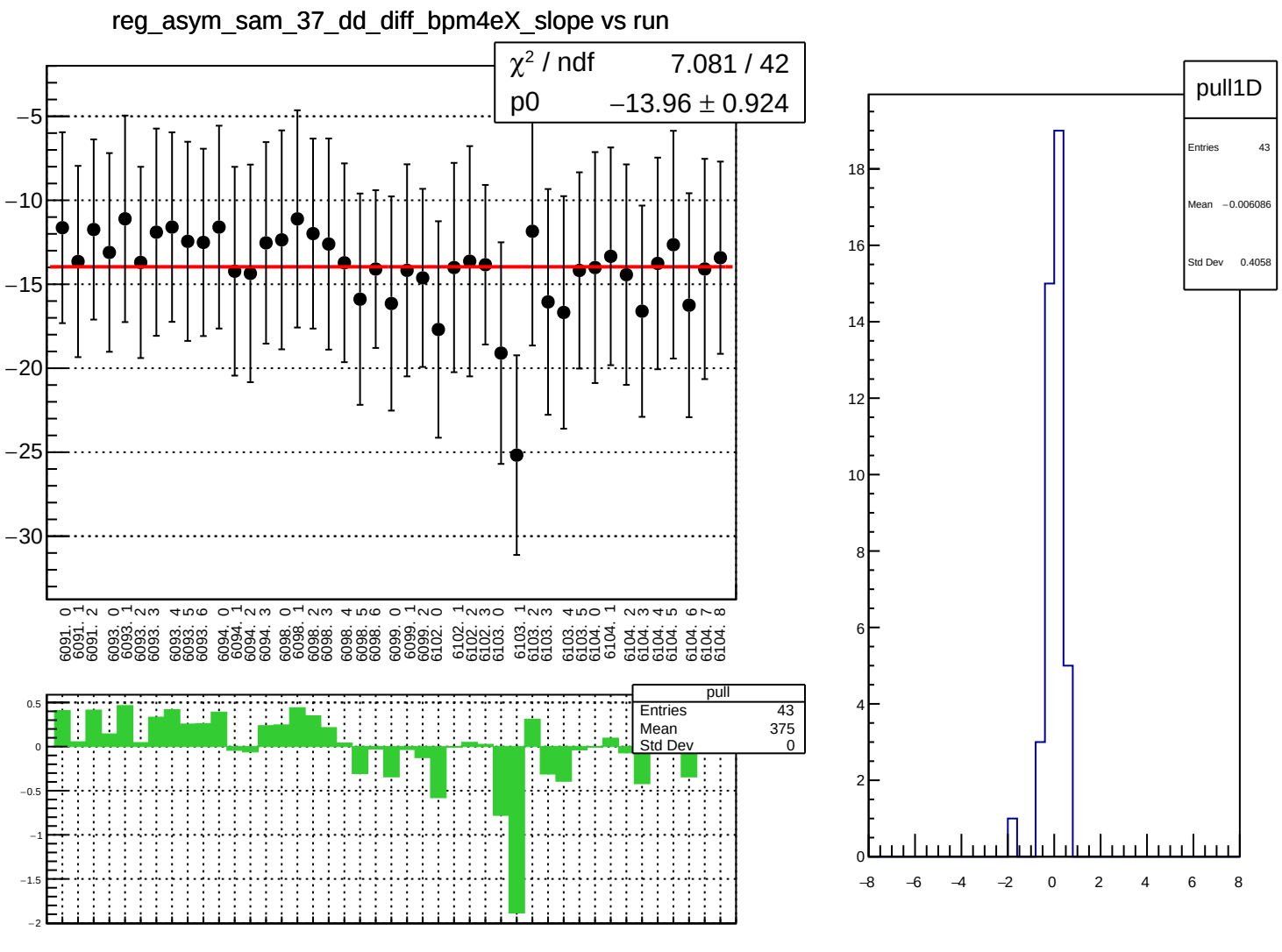

pull1D
Entries 43
Mean −0.006144
Std Dev 0.238
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

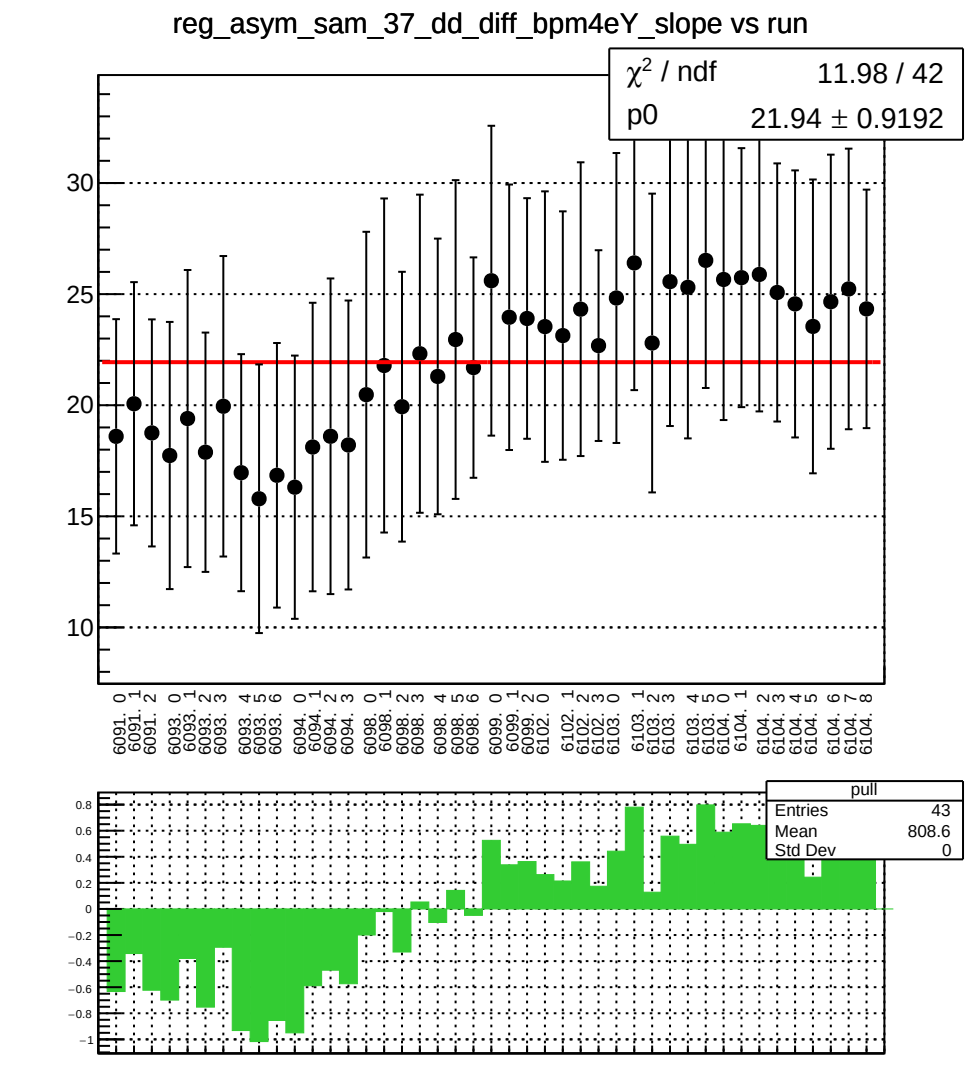

reg_asym_sam_37_avg_diff_bpm4eY_slope vs run
χ² / ndf 15.81 / 42
p0 −0.5631 ± 1.444
pull
Entries 43
Mean 806.6
Std Dev 0
pull1D
Entries 43
Mean 0.008864
Std Dev 0.6064

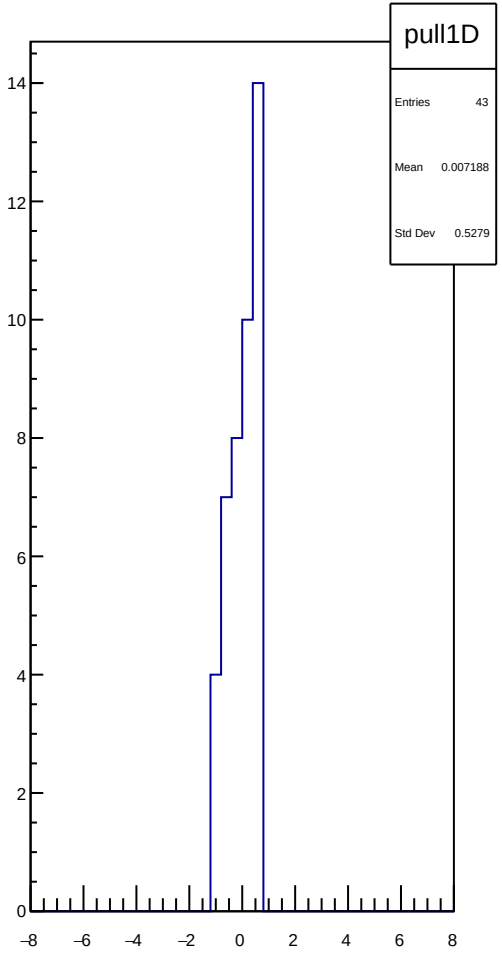

reg_asym_sam_37_avg_diff_bpm12X_slope vs run
χ² / ndf 1.416 / 42
p0 −0.483 ± 0.1098
0.5
0
−0.5
−1
−1.5
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean −1032
Std Dev 0
0.6
0.5
0.4
0.3
0.2
0.1
0
−0.1
−0.2
−0.3
pull1D
Entries 43
Mean 0.0005361
Std Dev 0.1815
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

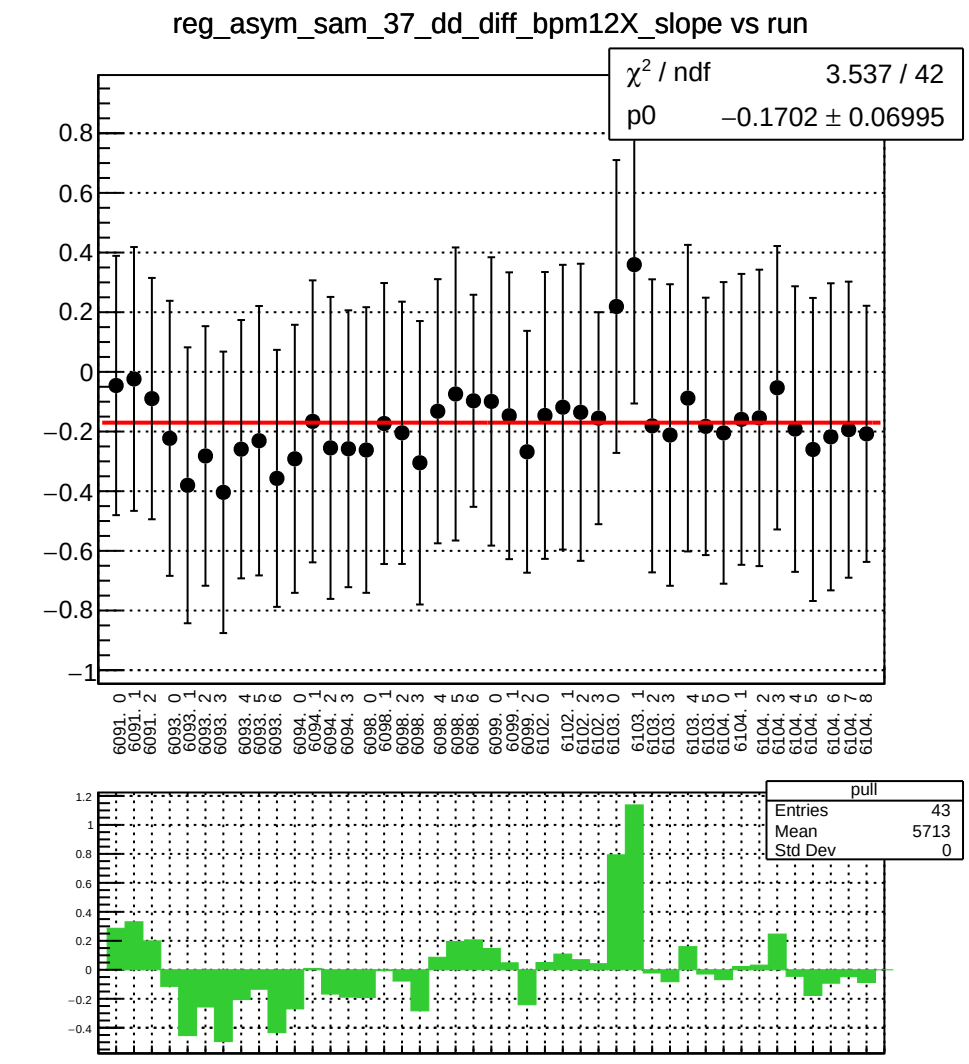

reg_asym_sam_37_dd_diff_bpm1X_slope vs run
χ² / ndf 7.222 / 42
p0 −28.86 ± 0.7564
−15
−20
−25
−30
−35
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 699.6
Std Dev 0
2
1.5
1
0.5
0
−0.5
pull1D
Entries 43
Mean 0.003444
Std Dev 0.4098
22
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

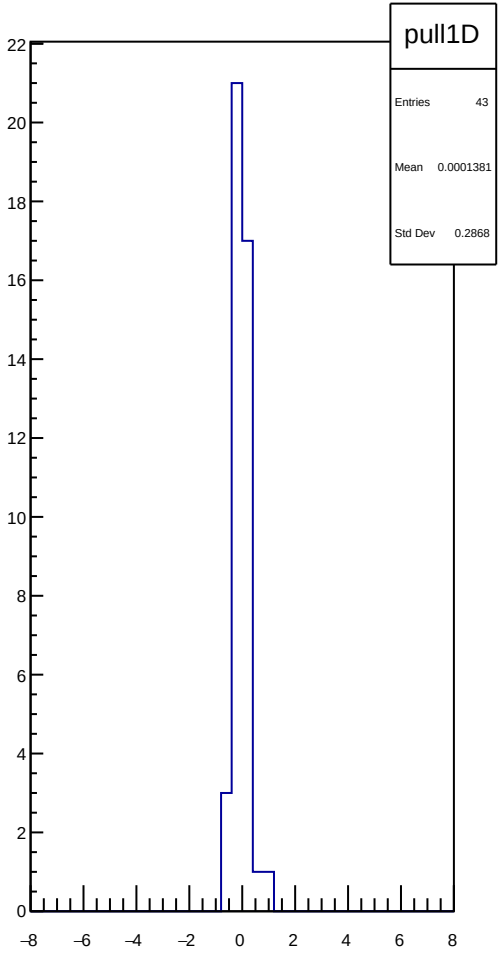

reg_asym_sam_37_dd_diff_bpm4aY_slope vs run
χ² / ndf 6.623 / 42
p0 −6.537 ± 0.8692
pull
Entries 43
Mean 1591
Std Dev 0
pull1D
Entries 43
Mean −0.002525
Std Dev 0.3925

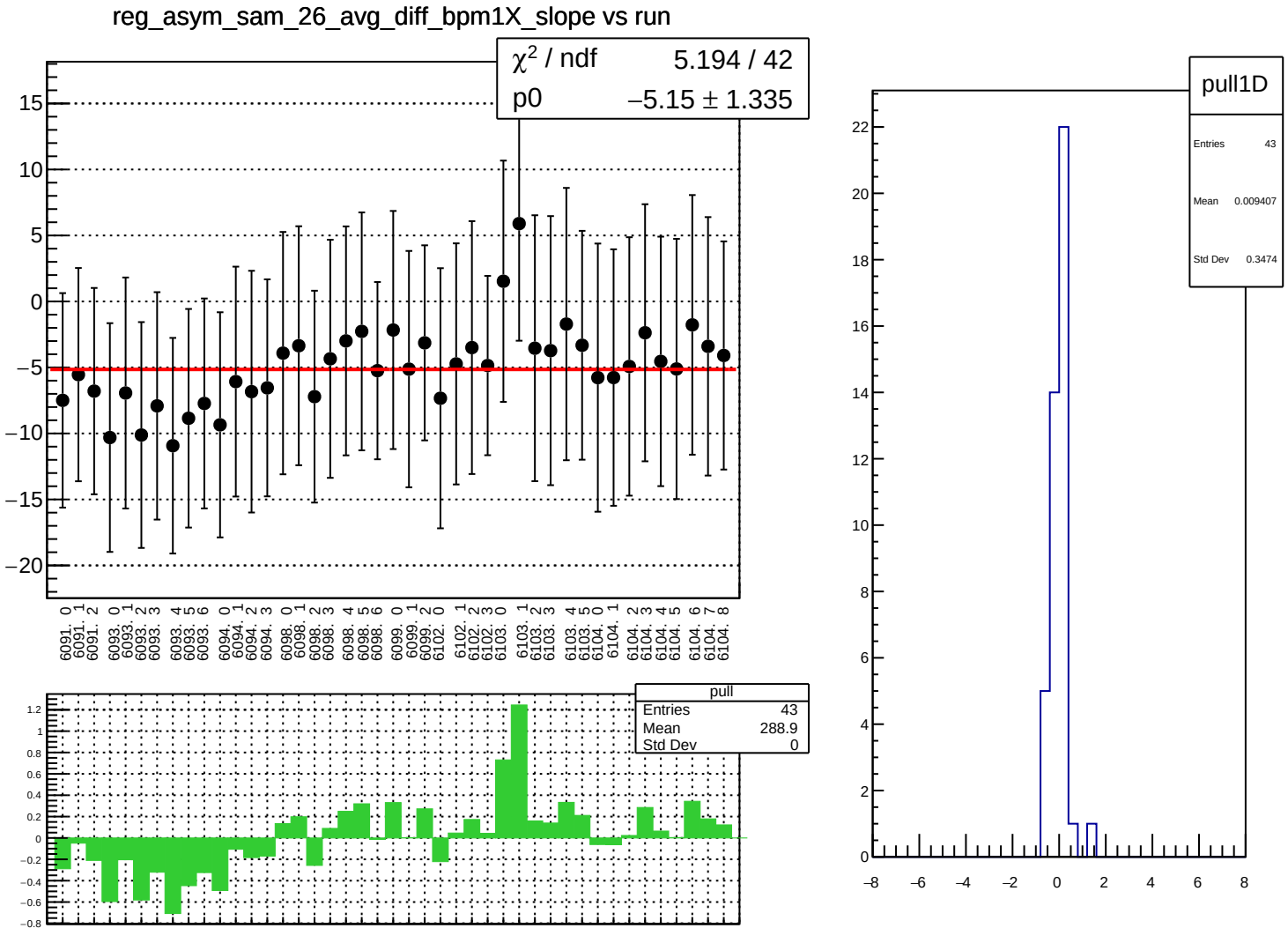

reg_asym_sam_37_dd_diff_bpm4eX_slope vs run
χ² / ndf 7.081 / 42
p0 −13.96 ± 0.924
−5
−10
−15
−20
−25
−30
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 375
Std Dev 0
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 43
Mean −0.006086
Std Dev 0.4058
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

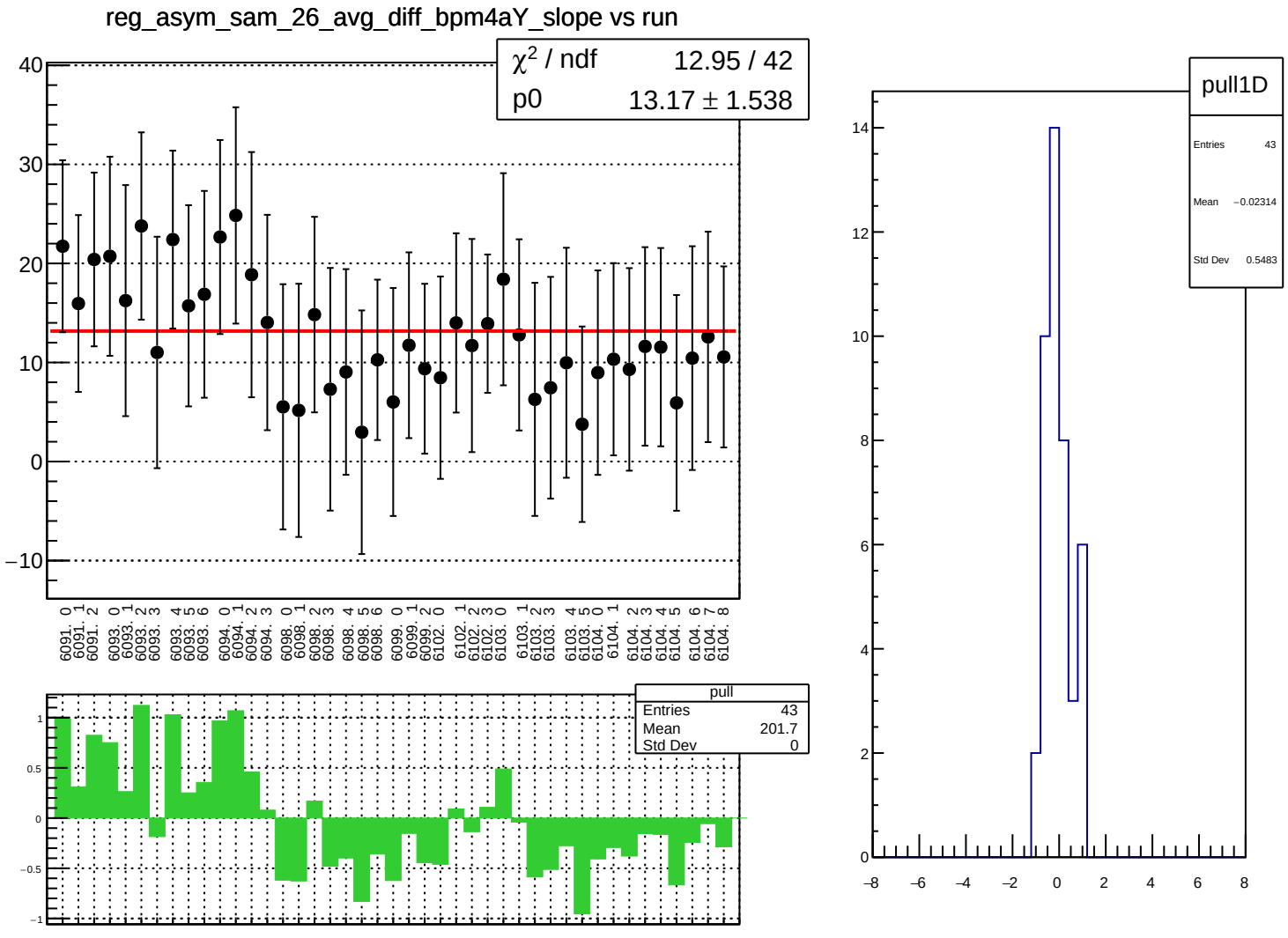

reg_asym_sam_37_dd_diff_bpm4eY_slope vs run
χ² / ndf 11.98 / 42
p0 21.94 ± 0.9192
pull
Entries 43
Mean 808.6
Std Dev 0

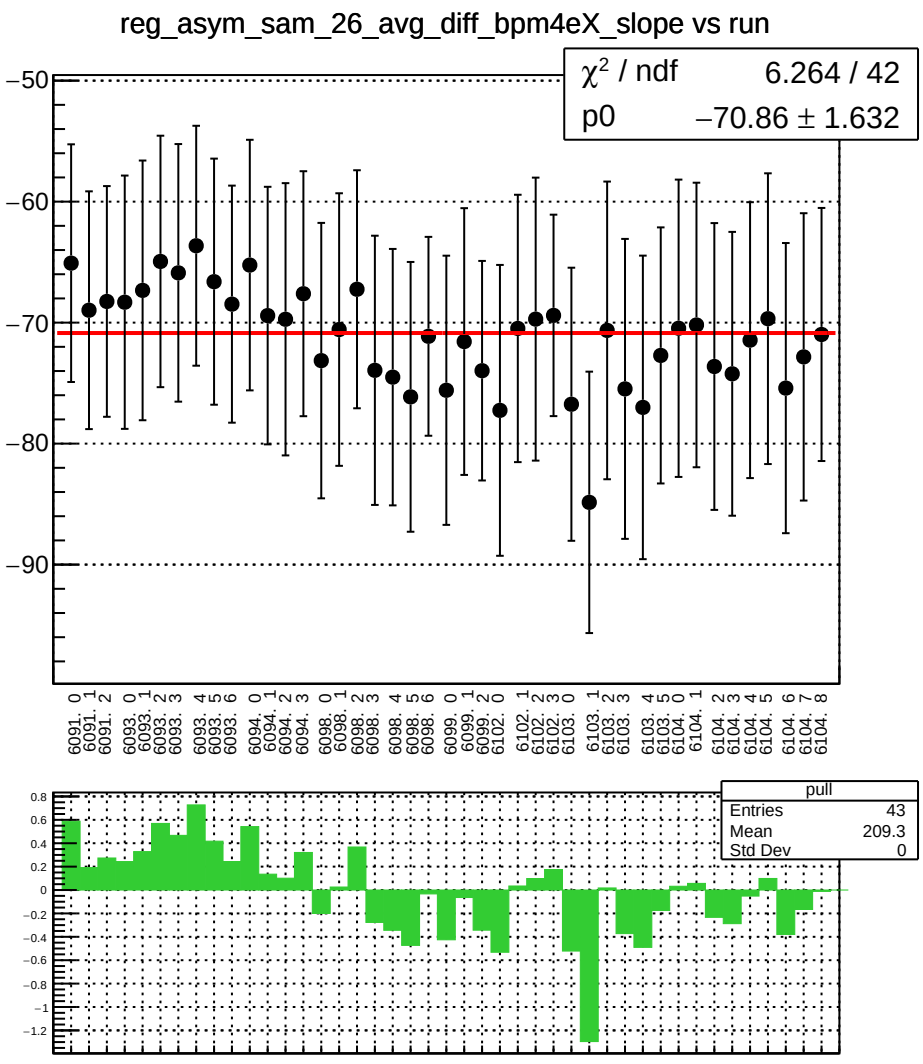

pull1D
Entries 43
Mean 0.007188
Std Dev 0.5279

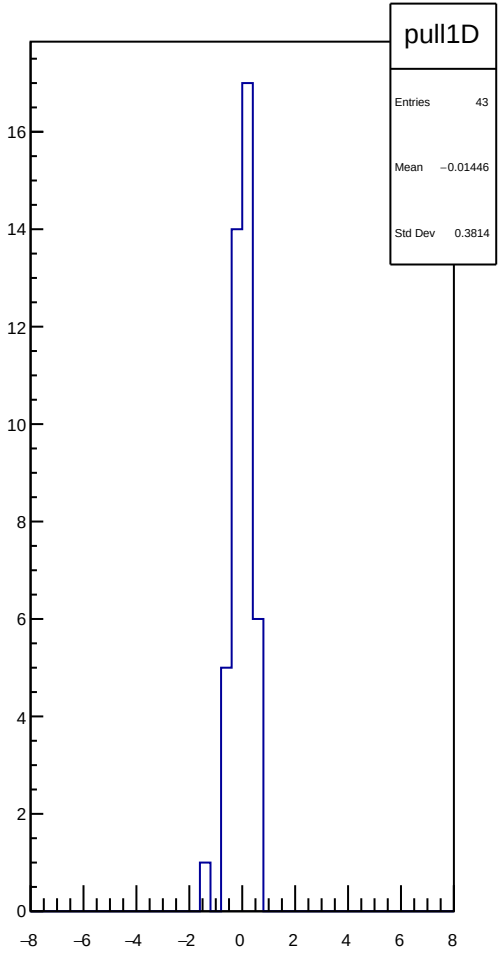

reg_asym_sam_37_dd_diff_bpm12X_slope vs run
χ² / ndf 3.537 / 42
p0 −0.1702 ± 0.06995
pull
Entries 43
Mean 5713
Std Dev 0

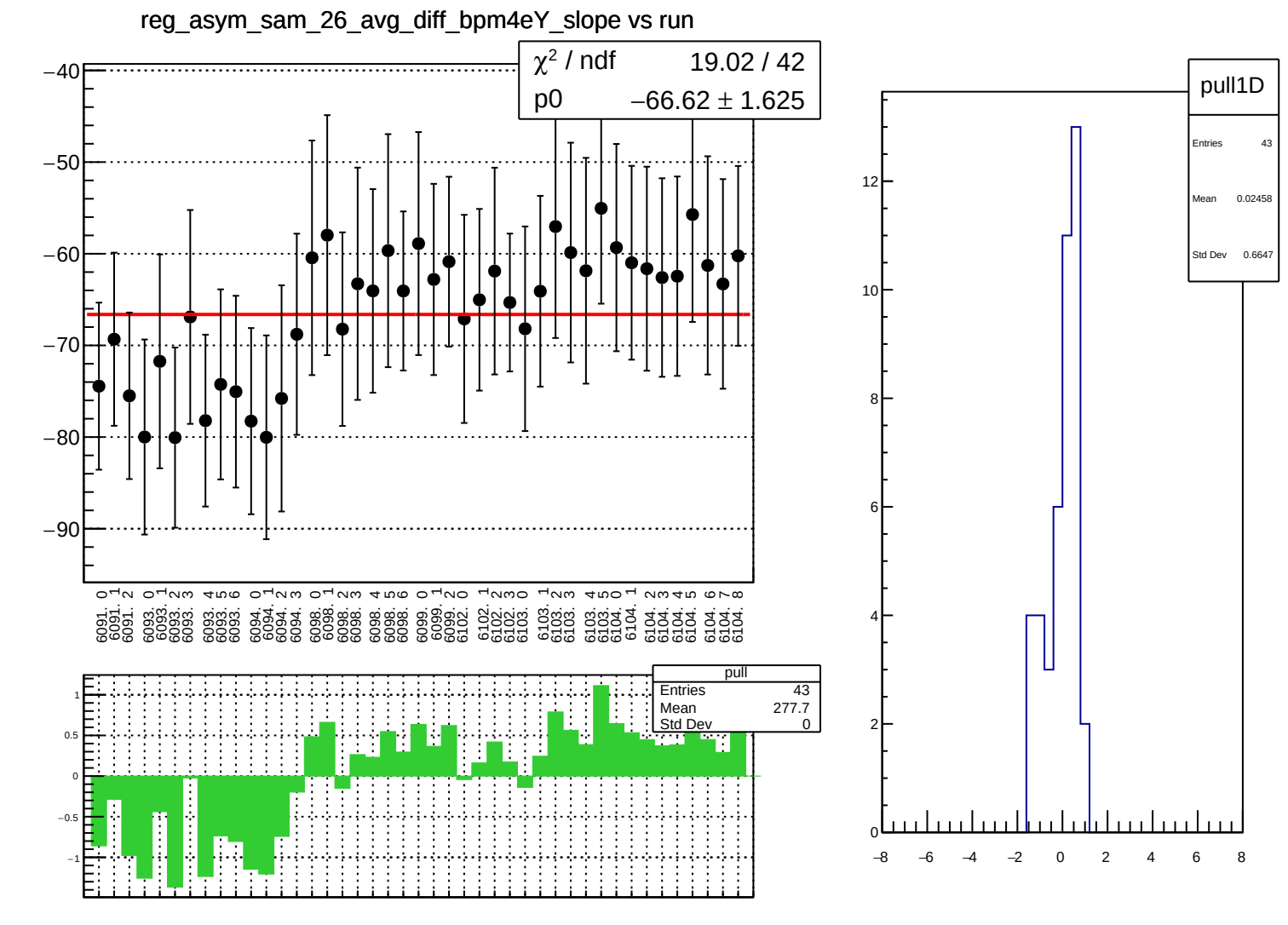

pull1D
Entries 43
Mean 0.0001381
Std Dev 0.2868

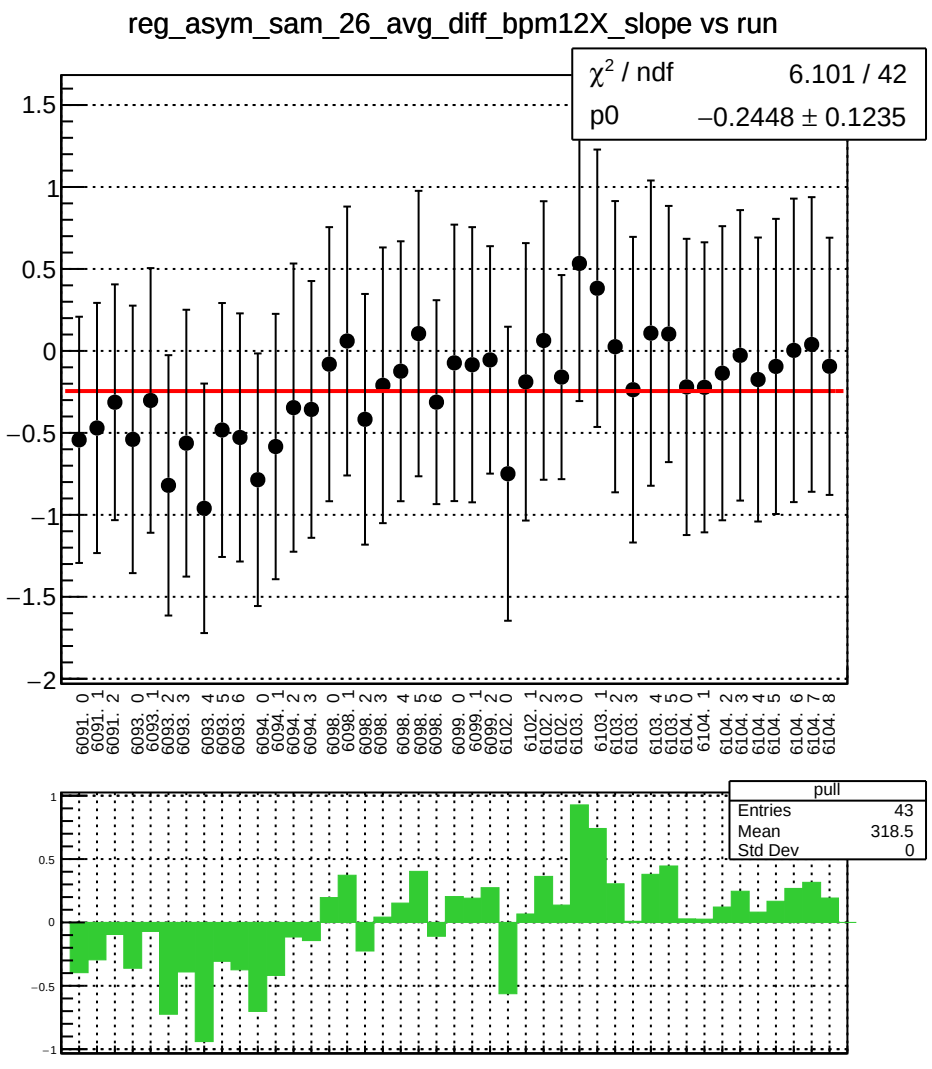

reg_asym_sam_26_avg_diff_bpm1X_slope vs run
χ² / ndf 5.194 / 42
p0 −5.15 ± 1.335
pull
Entries 43
Mean 288.9
Std Dev 0
pull1D
Entries 43
Mean 0.009407
Std Dev 0.3474

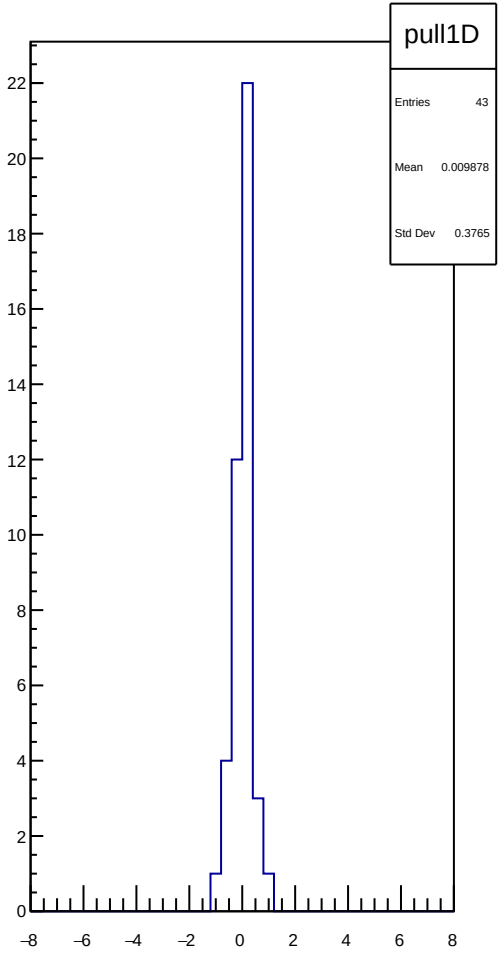

reg_asym_sam_26_avg_diff_bpm4aY_slope vs run
χ² / ndf 12.95 / 42
p0 13.17 ± 1.538
40
30
20
10
0
−10
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 201.7
Std Dev 0
1
0.5
0
−0.5
−1
pull1D
Entries 43
Mean −0.02314
Std Dev 0.5483
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

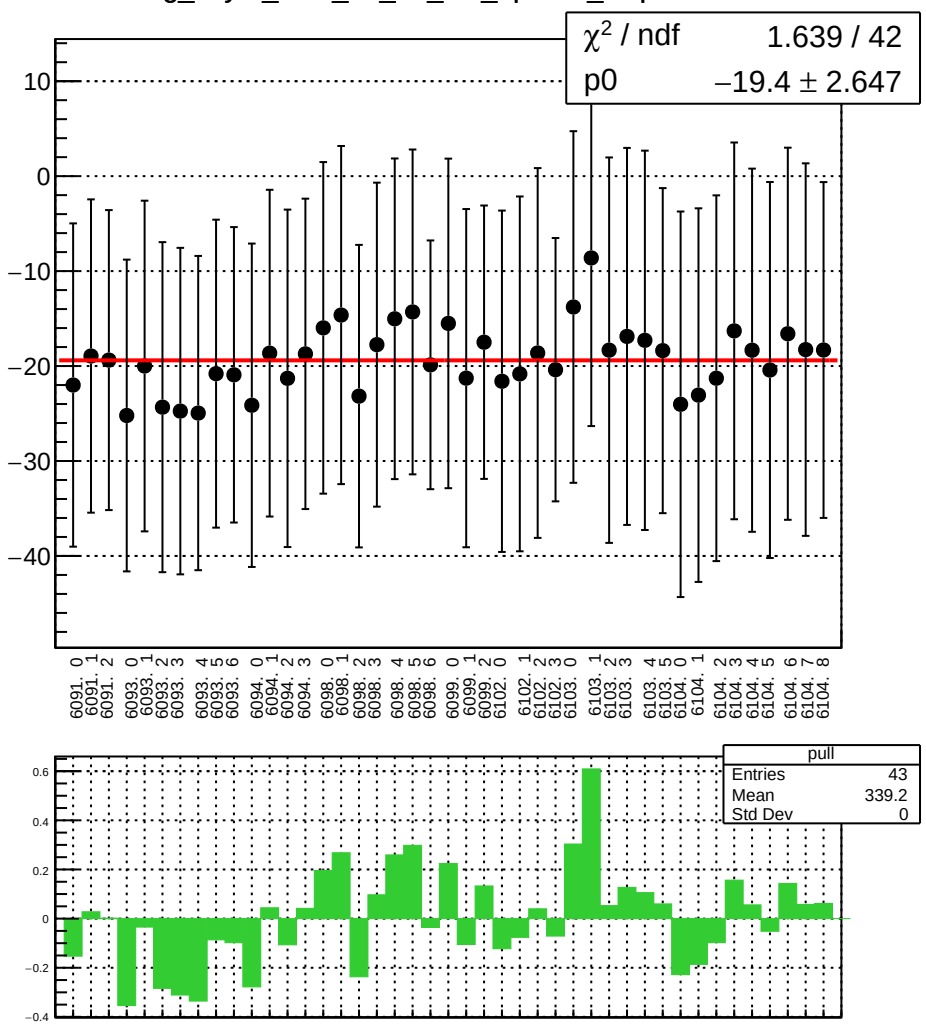

reg_asym_sam_26_avg_diff_bpm4eX_slope vs run
χ² / ndf 6.264 / 42
p0 −70.86 ± 1.632
pull
Entries 43
Mean 209.3
Std Dev 0

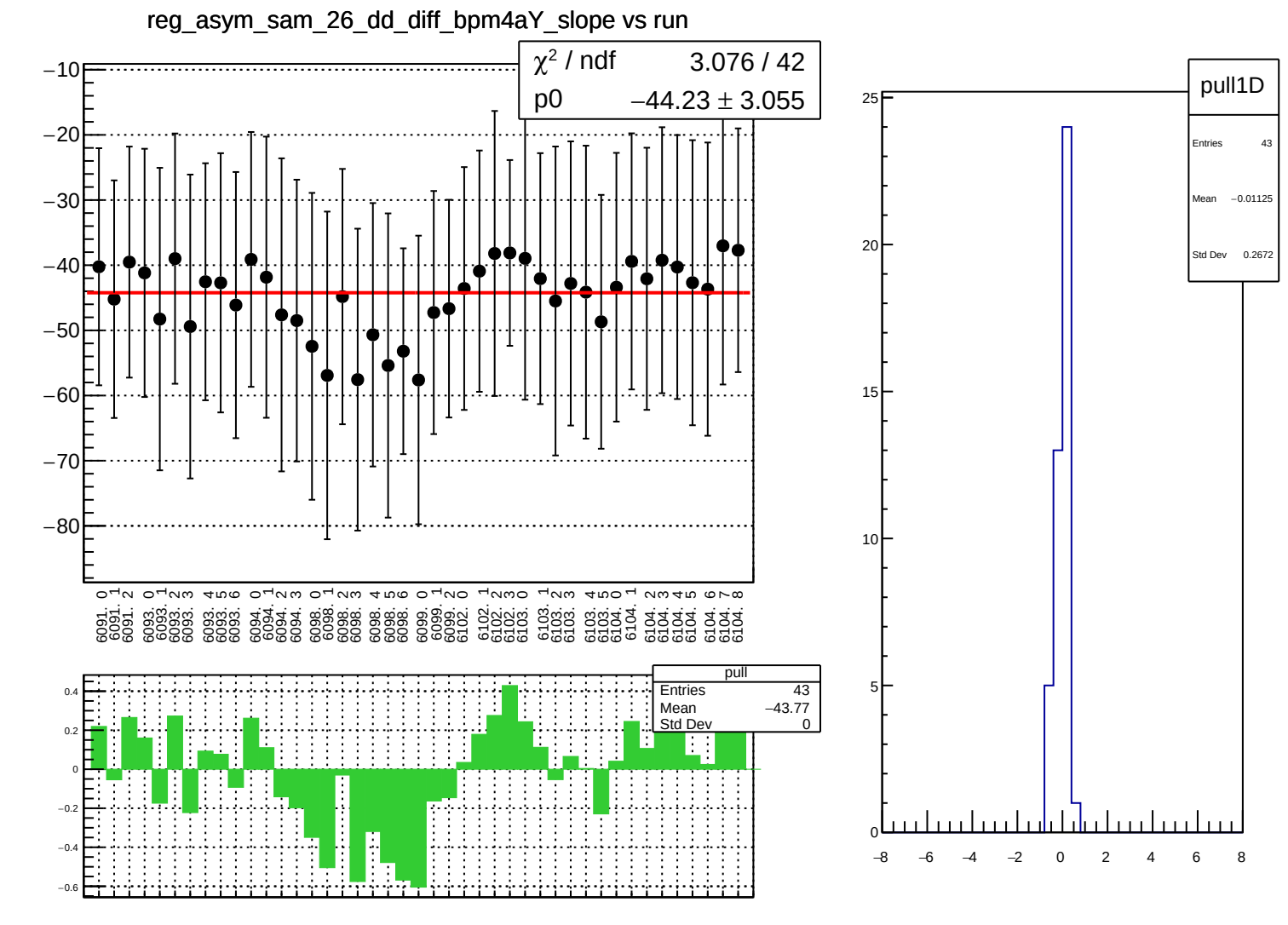

pull1D
Entries 43
Mean −0.01446
Std Dev 0.3814

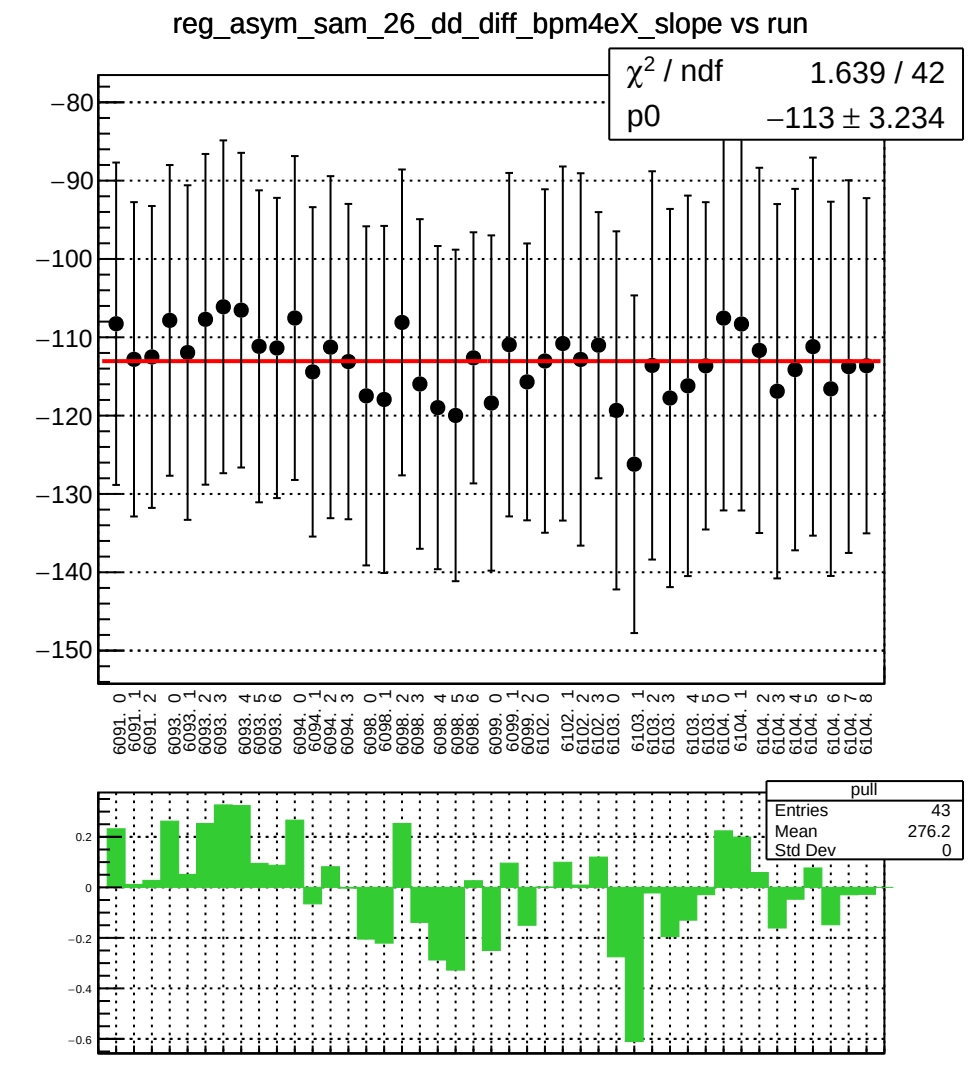

reg_asym_sam_26_avg_diff_bpm4eY_slope vs run
χ² / ndf 19.02 / 42
p0 −66.62 ± 1.625
pull
Entries 43
Mean 277.7
Std Dev 0
pull1D
Entries 43
Mean 0.02458
Std Dev 0.6647

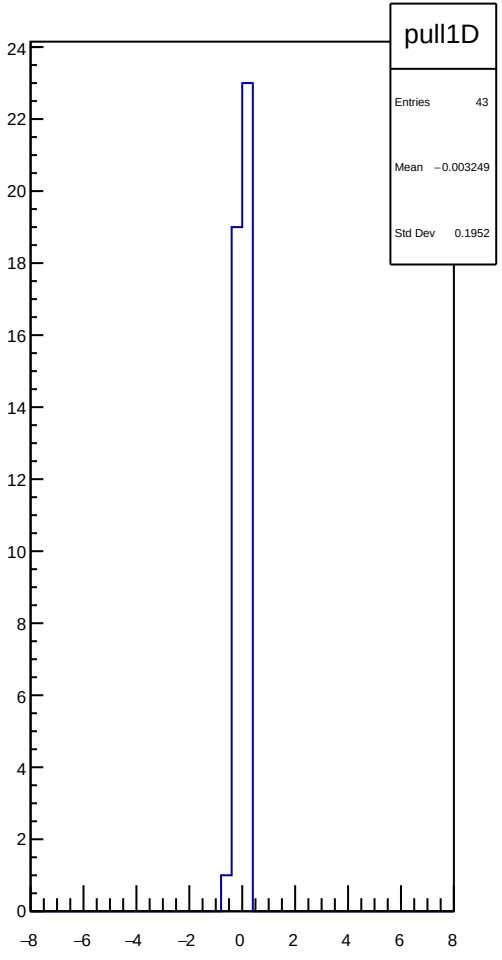

reg_asym_sam_26_avg_diff_bpm12X_slope vs run
χ² / ndf 6.101 / 42
p0 −0.2448 ± 0.1235
pull
Entries 43
Mean 318.5
Std Dev 0

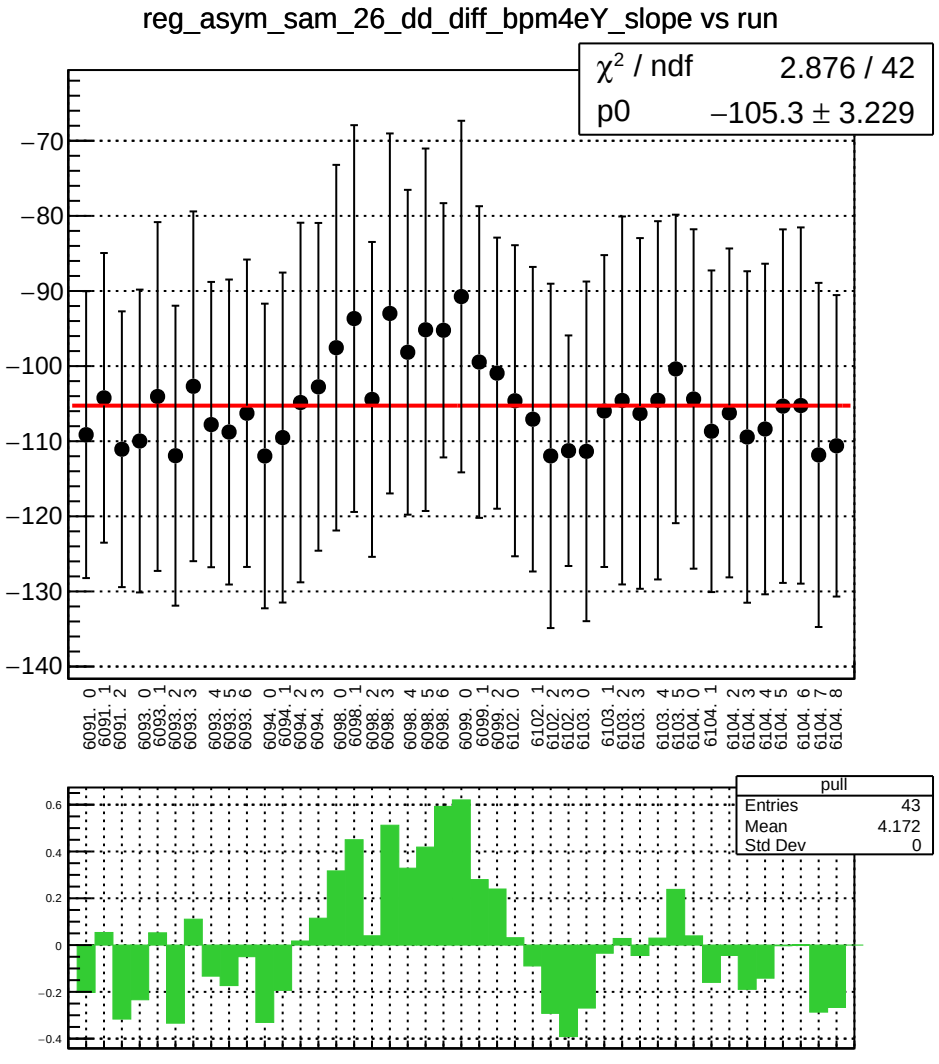

pull1D
Entries 43
Mean 0.009878
Std Dev 0.3765

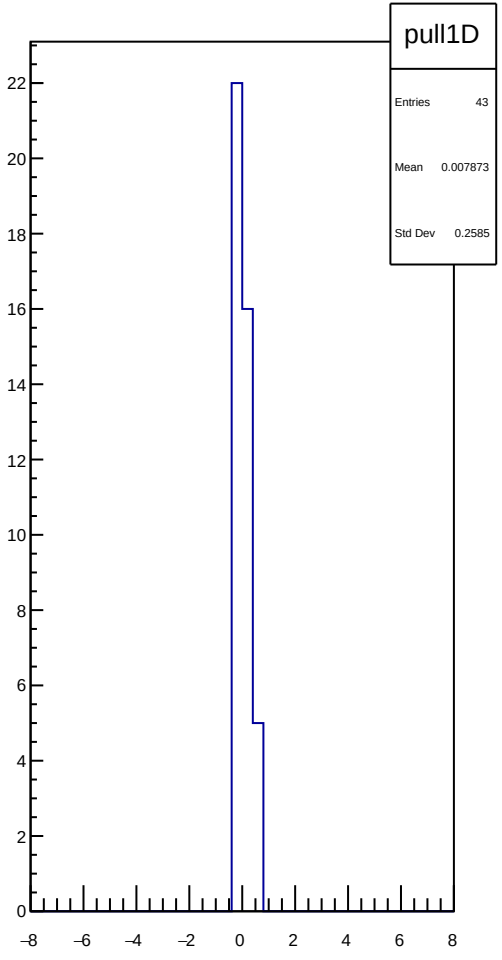

reg_asym_sam_26_dd_diff_bpm1X_slope vs run
χ² / ndf 1.639 / 42
p0 −19.4 ± 2.647
10
0
−10
−20
−30
−40
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 339.2
Std Dev 0
0.6
0.4
0.2
0
−0.2
−0.4
pull1D
Entries 43
Mean 0.002638
Std Dev 0.1952
22
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

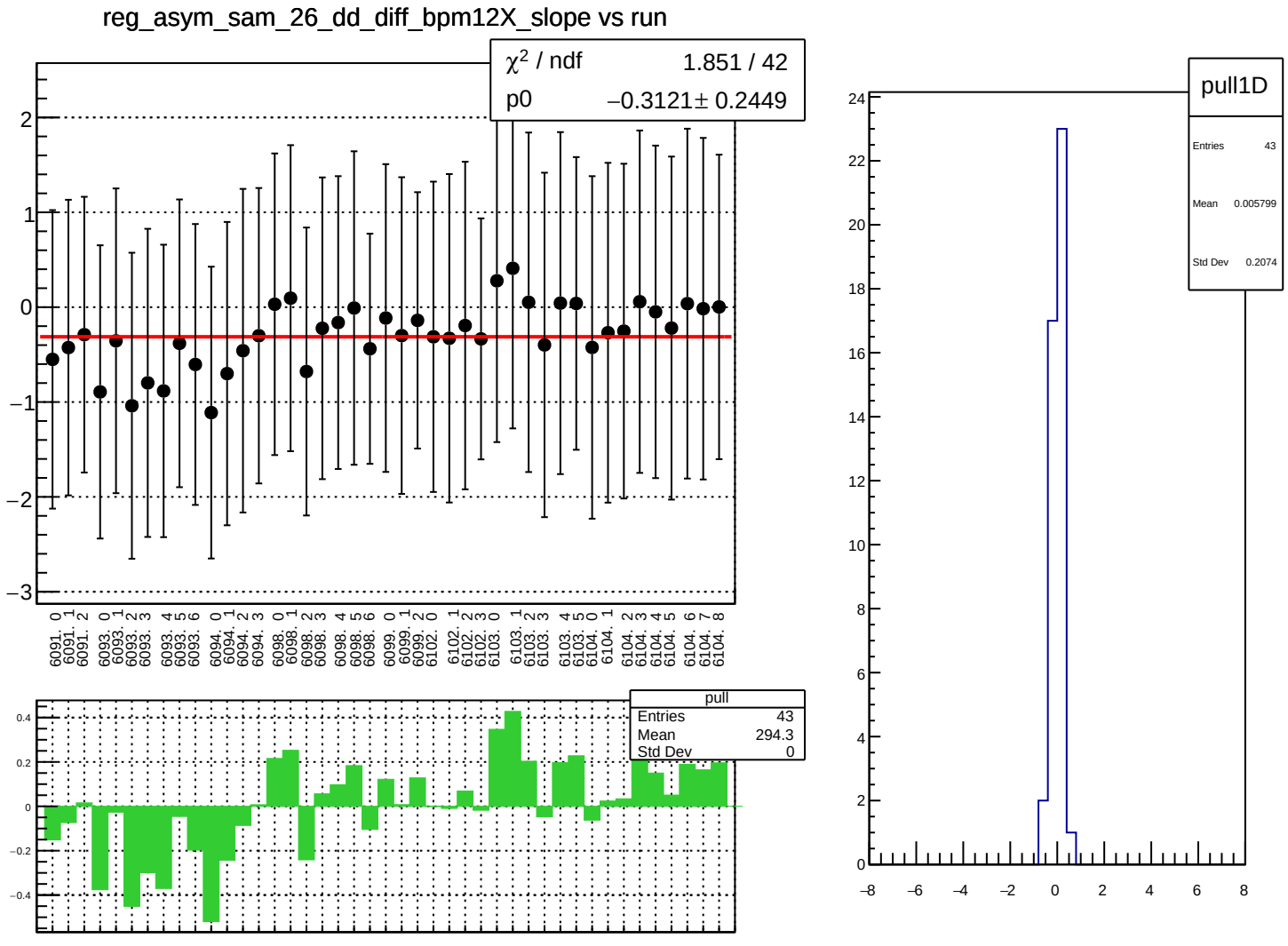

reg_asym_sam_26_dd_diff_bpm4aY_slope vs run
χ² / ndf 3.076 / 42
p0 −44.23 ± 3.055
pull
Entries 43
Mean −43.77
Std Dev 0
pull1D
Entries 43
Mean −0.01125
Std Dev 0.2672

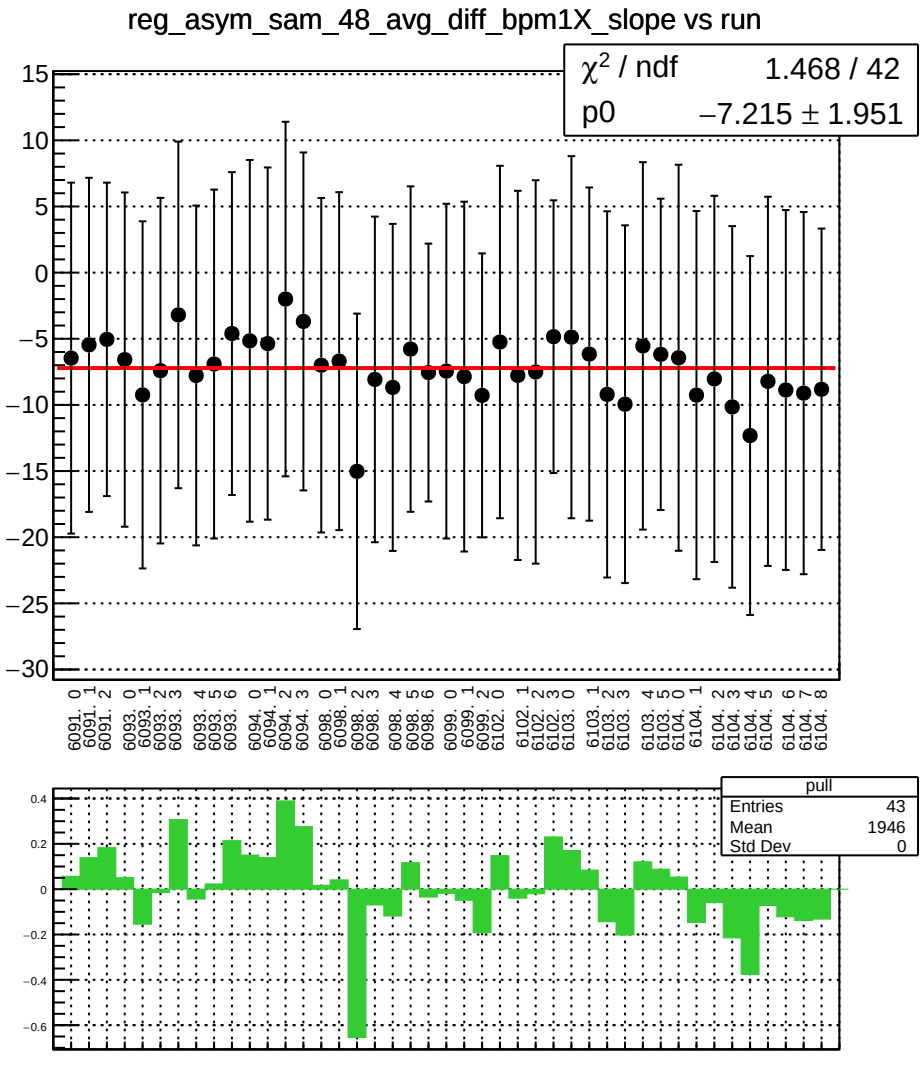

reg_asym_sam_26_dd_diff_bpm4eX_slope vs run
χ² / ndf 1.639 / 42
p0 −113 ± 3.234
−80
−90
−100
−110
−120
−130
−140
−150
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 276.2
Std Dev 0
0.2
0
−0.2
−0.4
−0.6

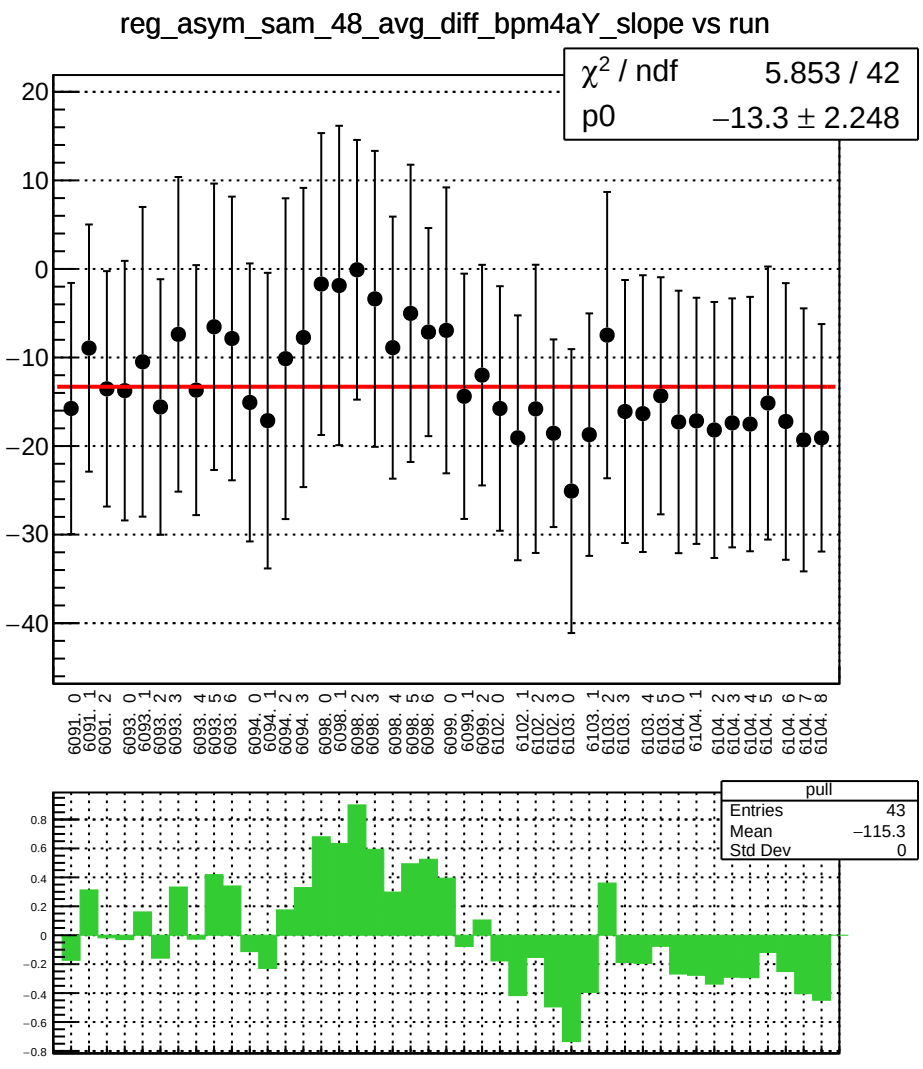

pull1D
Entries 43
Mean −0.003249
Std Dev 0.1952
24
22
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

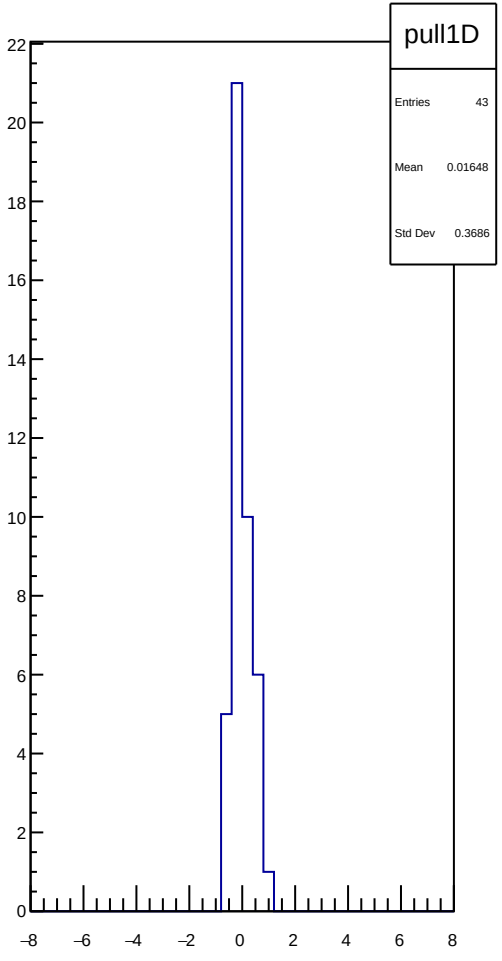

reg_asym_sam_26_dd_diff_bpm4eY_slope vs run
χ² / ndf 2.876 / 42
p0 −105.3 ± 3.229
pull
Entries 43
Mean 4.172
Std Dev 0

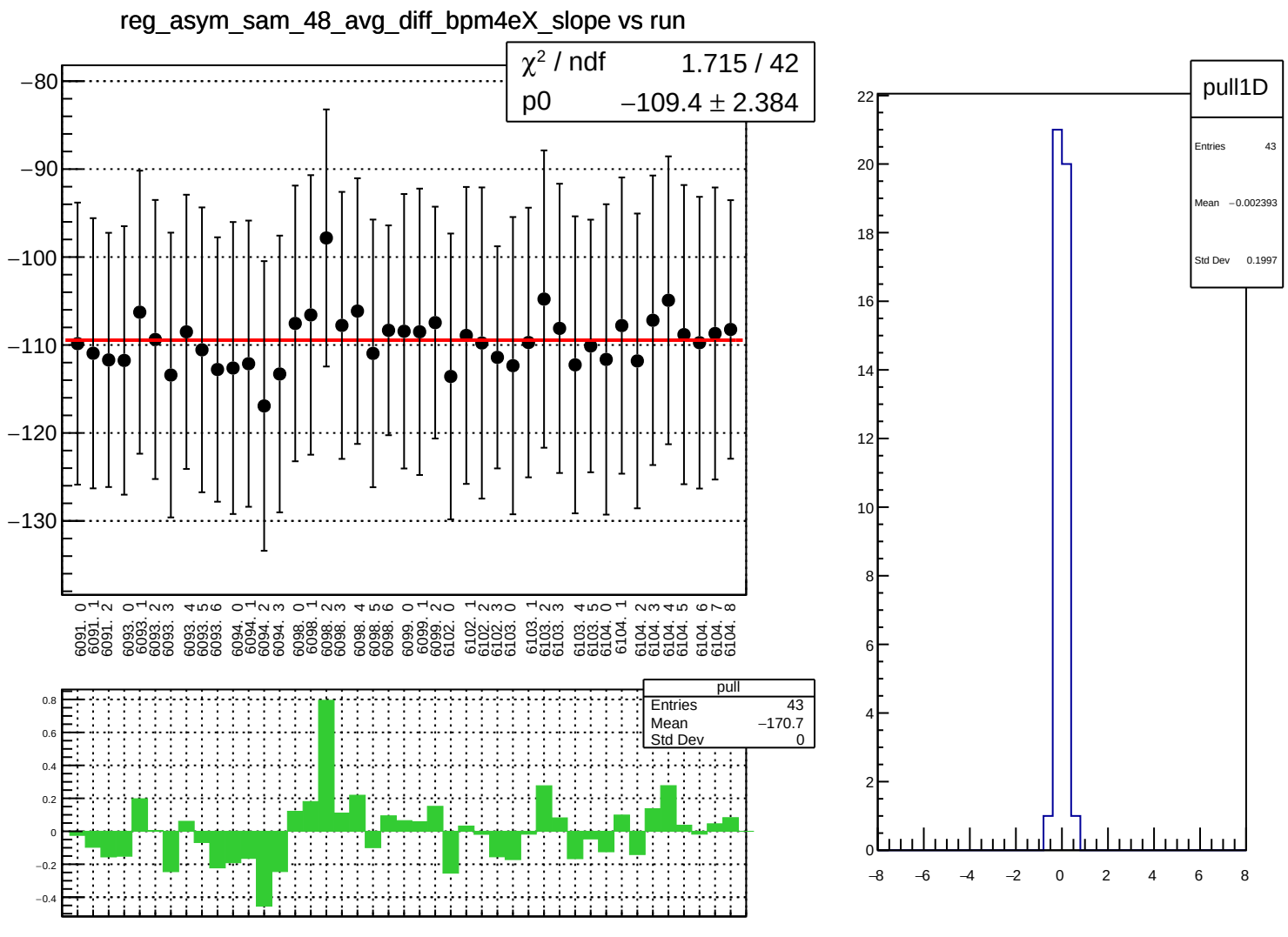

pull1D
Entries 43
Mean 0.007873
Std Dev 0.2585

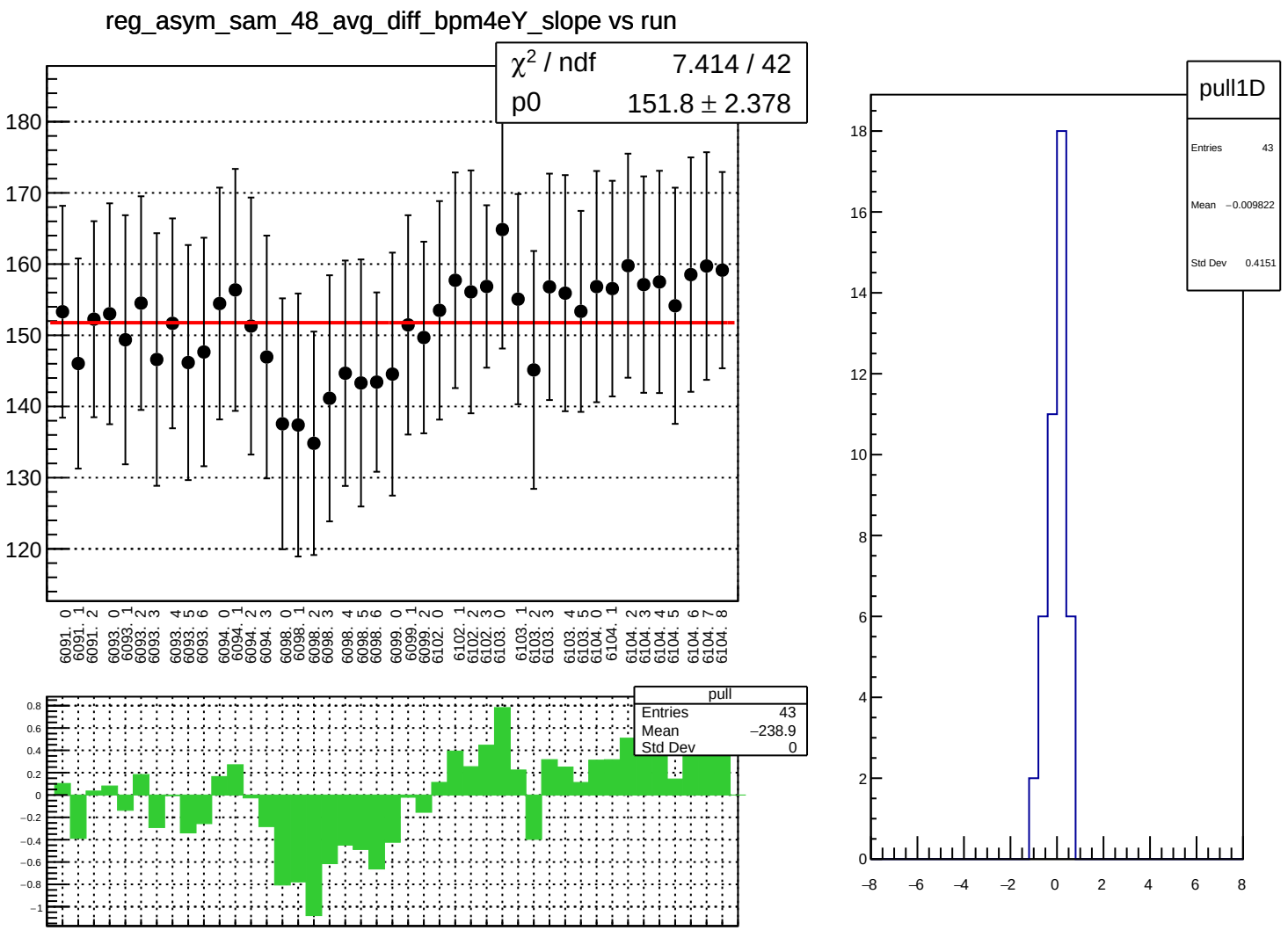

reg_asym_sam_26_dd_diff_bpm12X_slope vs run
χ² / ndf 1.851 / 42
p0 −0.3121± 0.2449
pull
Entries 43
Mean 294.3
Std Dev 0
pull1D
Entries 43
Mean 0.005799
Std Dev 0.2074

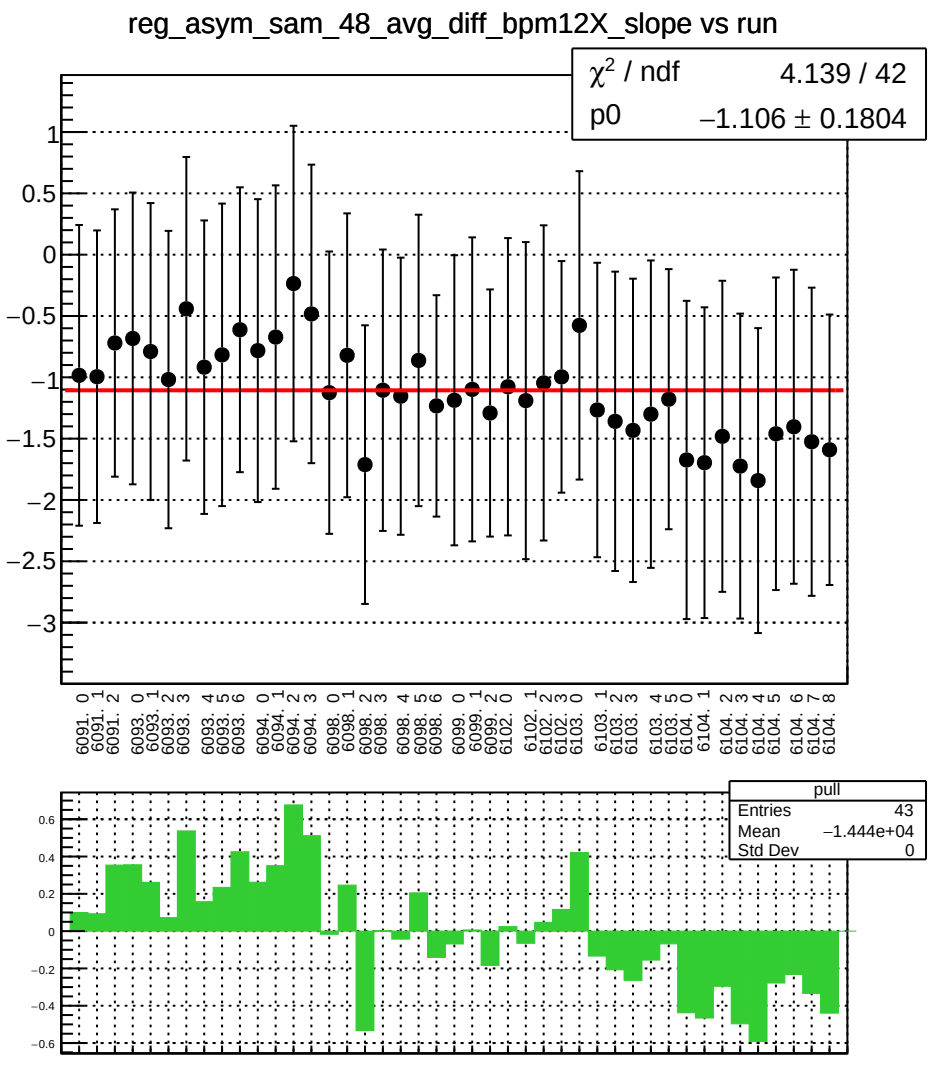

reg_asym_sam_48_avg_diff_bpm1X_slope vs run
χ² / ndf 1.468 / 42
p0 −7.215 ± 1.951
pull
Entries 43
Mean 1946
Std Dev 0
pull1D
Entries 43
Mean −0.0004463
Std Dev 0.1847

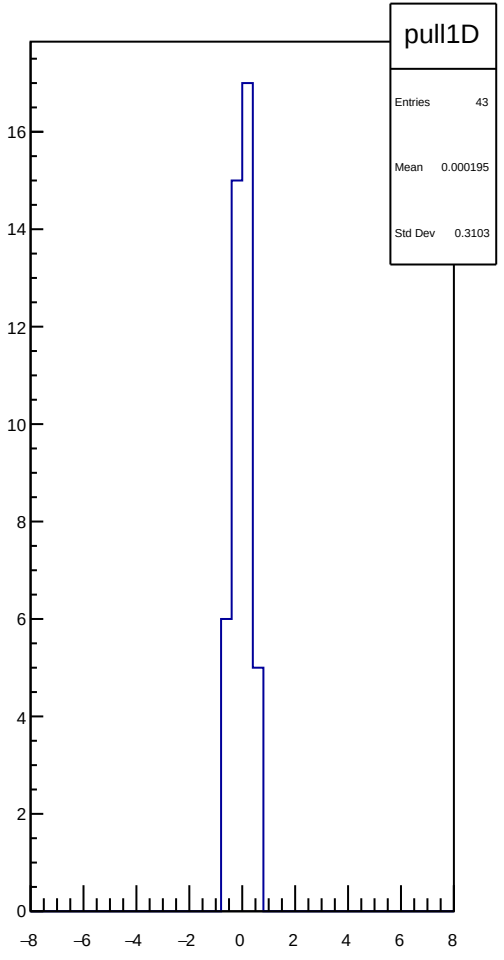

reg_asym_sam_48_avg_diff_bpm4aY_slope vs run
χ² / ndf 5.853 / 42
p0 −13.3 ± 2.248
pull
Entries 43
Mean −115.3
Std Dev 0

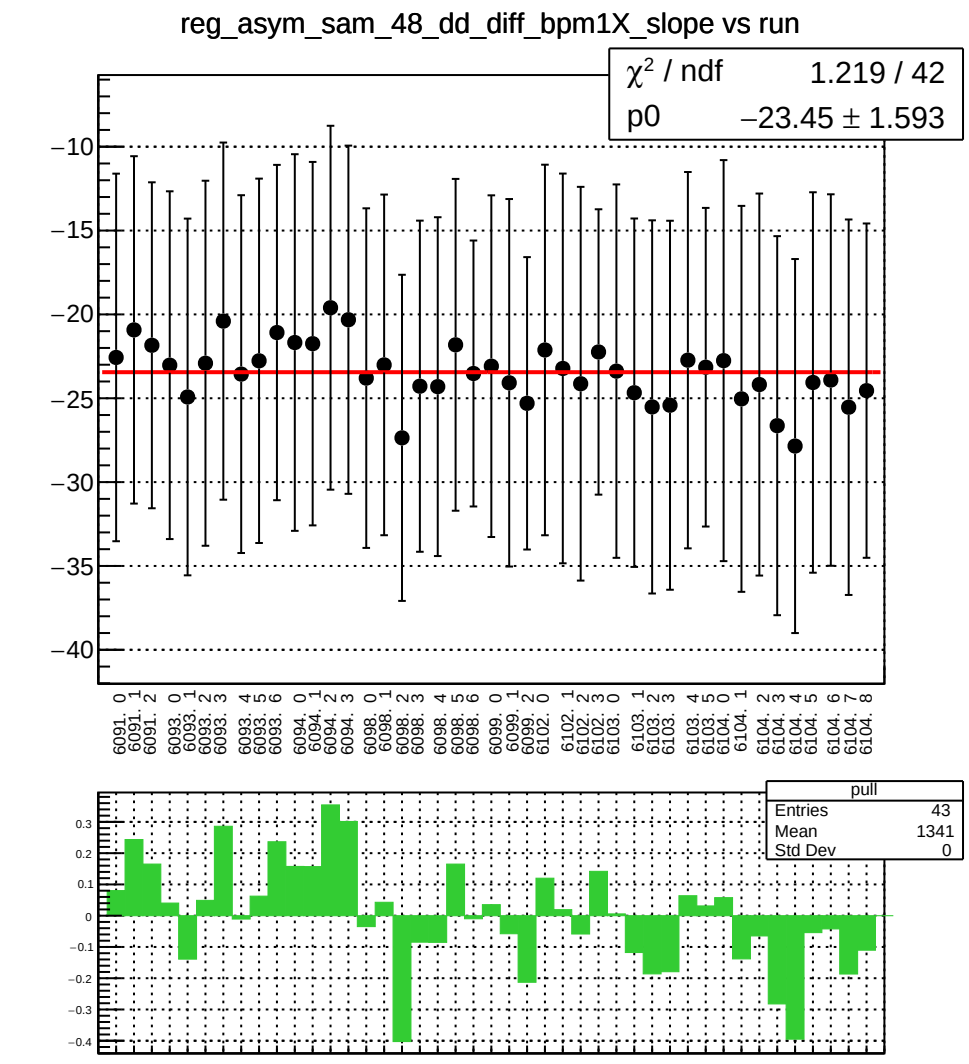

pull1D
Entries 43
Mean 0.01648
Std Dev 0.3686

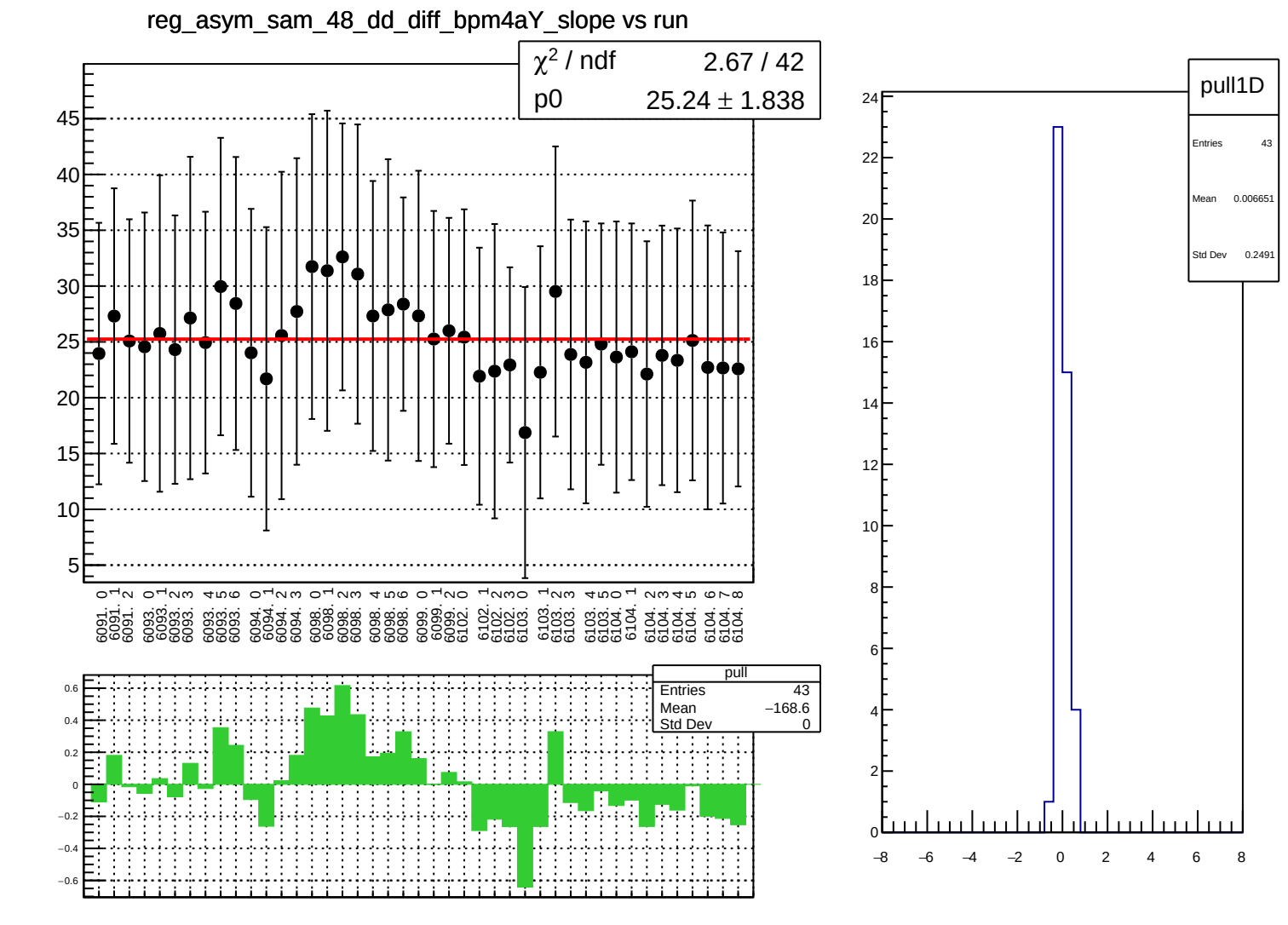

reg_asym_sam_48_avg_diff_bpm4eX_slope vs run
χ² / ndf 1.715 / 42
p0 −109.4 ± 2.384
−80
−90
−100
−110
−120
−130
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean −170.7
Std Dev 0
0.8
0.6
0.4
0.2
0
−0.2
−0.4
pull1D
Entries 43
Mean −0.002393
Std Dev 0.1997
22
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

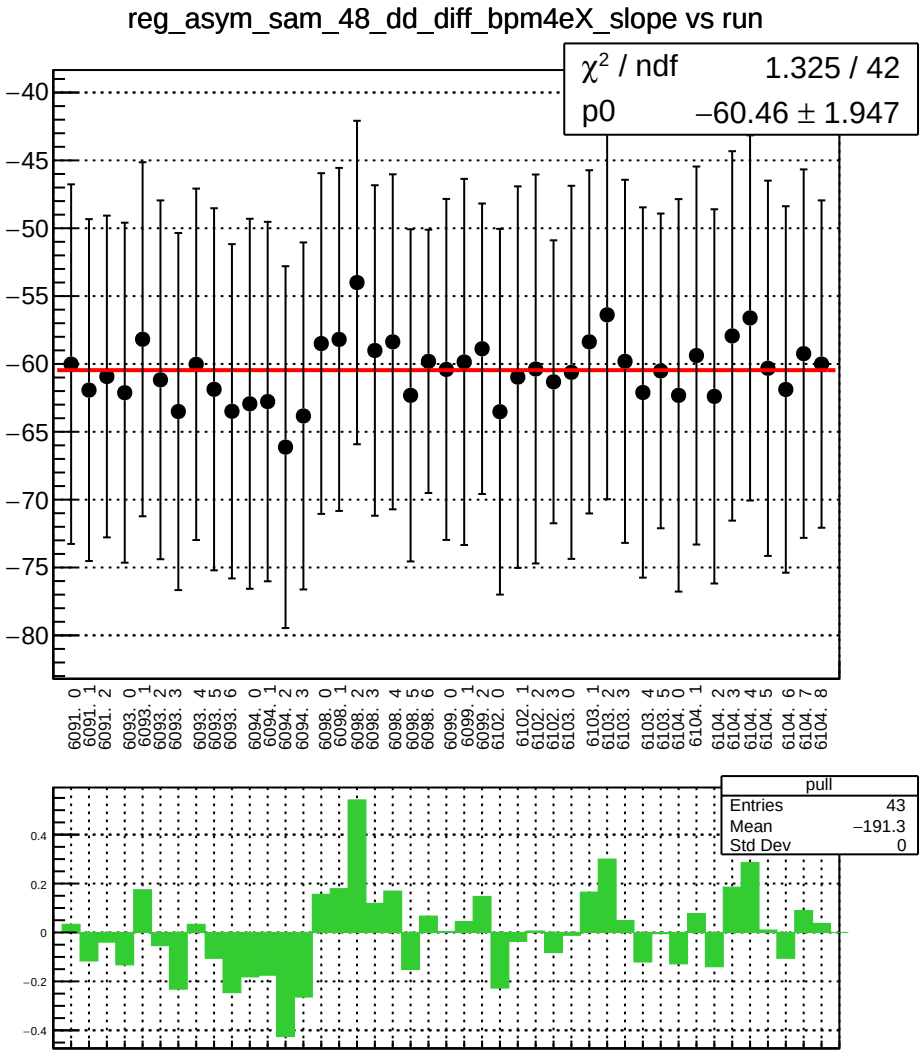

reg_asym_sam_48_avg_diff_bpm4eY_slope vs run
χ² / ndf 7.414 / 42
p0 151.8 ± 2.378
pull
Entries 43
Mean −238.9
Std Dev 0
pull1D
Entries 43
Mean −0.009822
Std Dev 0.4151

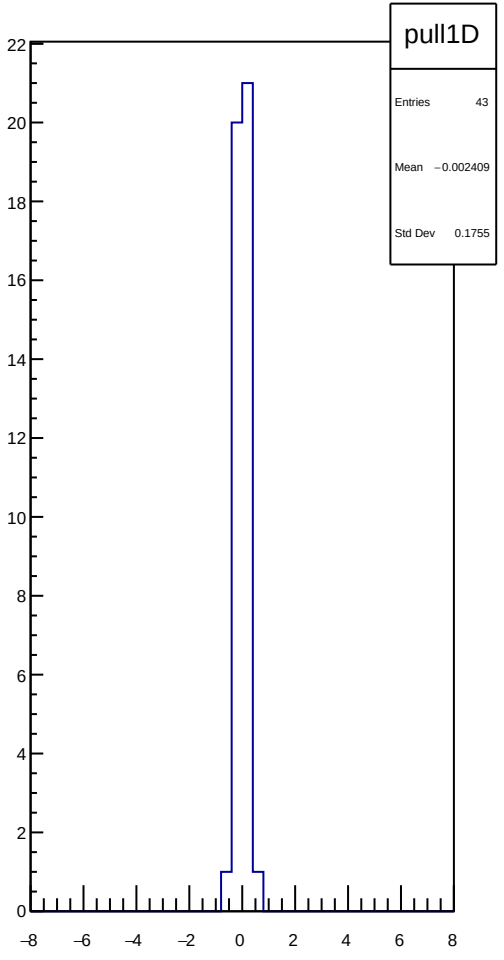

reg_asym_sam_48_avg_diff_bpm12X_slope vs run
χ² / ndf 4.139 / 42
p0 −1.106 ± 0.1804
pull
Entries 43
Mean −1.444e+04
Std Dev 0

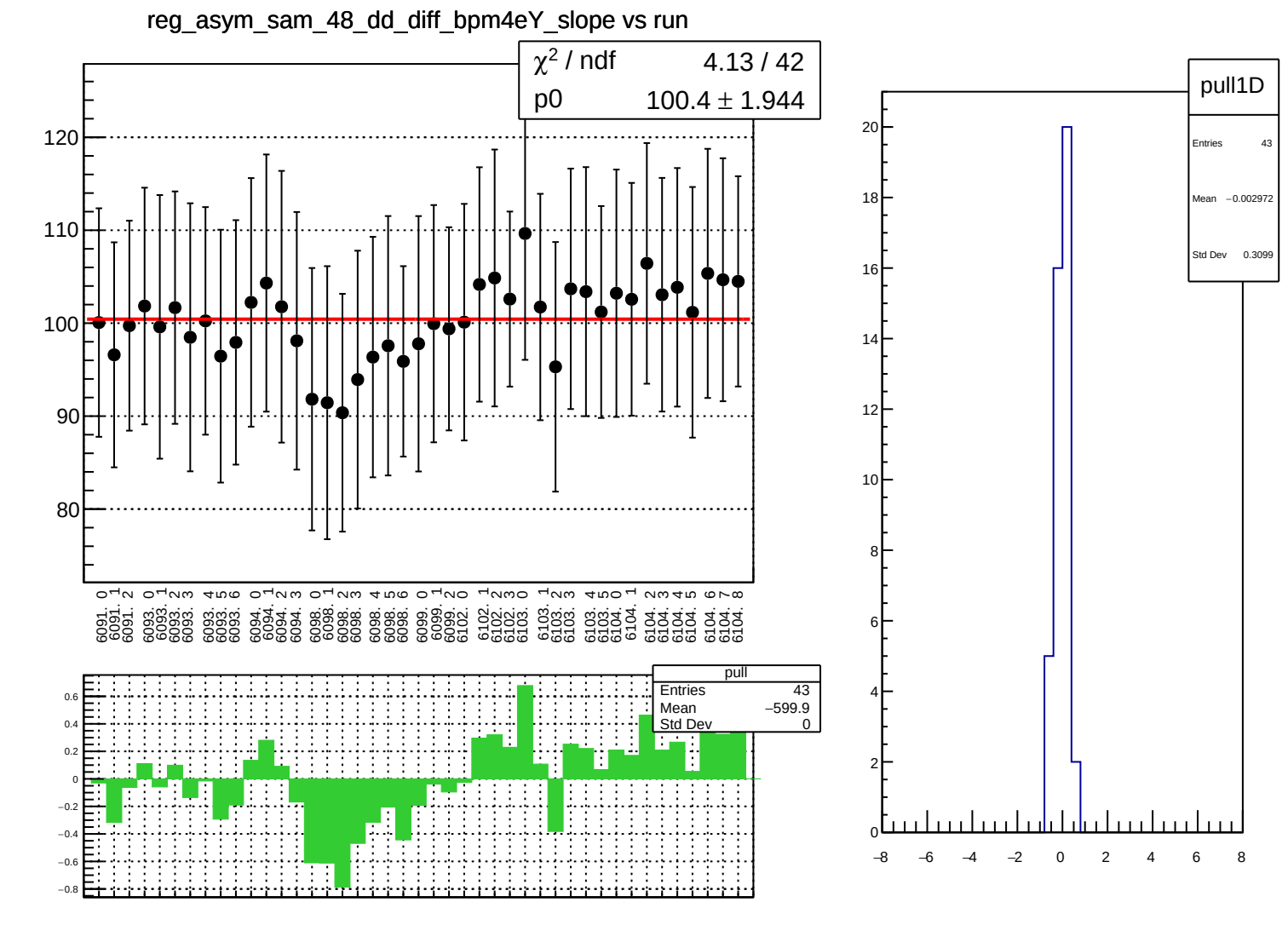

pull1D
Entries 43
Mean 0.000195
Std Dev 0.3103

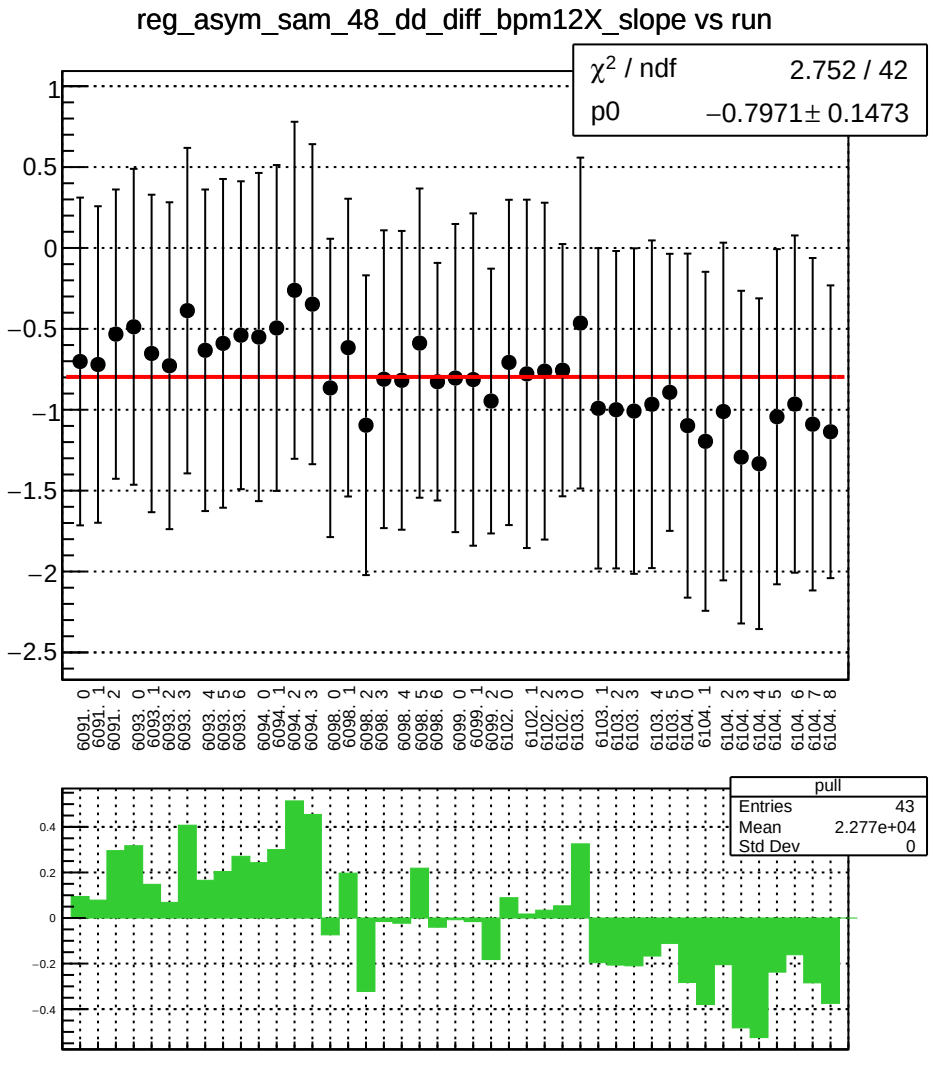

reg_asym_sam_48_dd_diff_bpm1X_slope vs run
χ² / ndf 1.219 / 42
p0 −23.45 ± 1.593
−10
−15
−20
−25
−30
−35
−40
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 1341
Std Dev 0
0.3
0.2
0.1
0
−0.1
−0.2
−0.3
−0.4
pull1D
Entries 43
Mean −0.0008325
Std Dev 0.1683
22
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

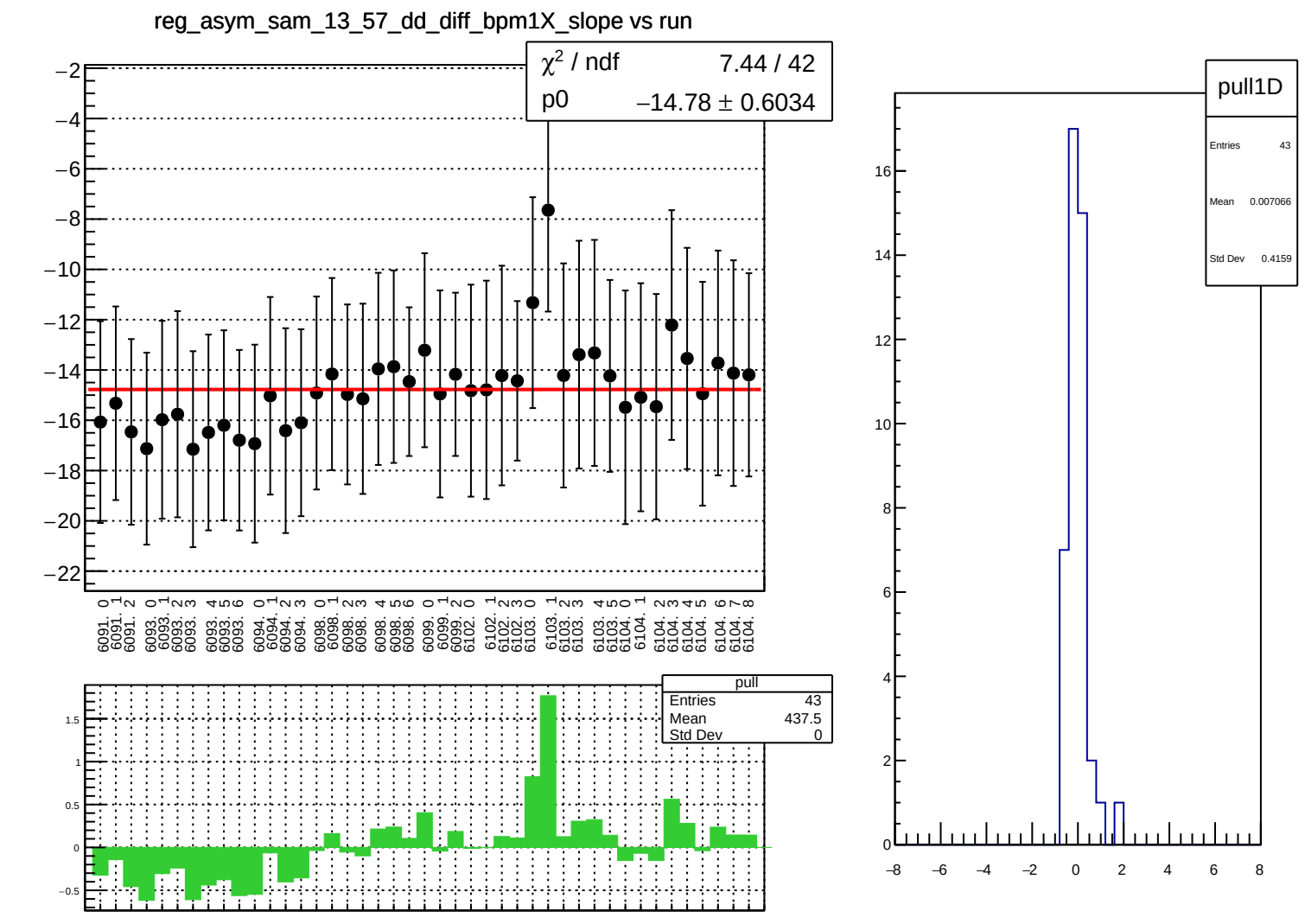

reg_asym_sam_48_dd_diff_bpm4aY_slope vs run
χ² / ndf 2.67 / 42
p0 25.24 ± 1.838
pull
Entries 43
Mean −168.6
Std Dev 0
pull1D
Entries 43
Mean 0.006651
Std Dev 0.2491

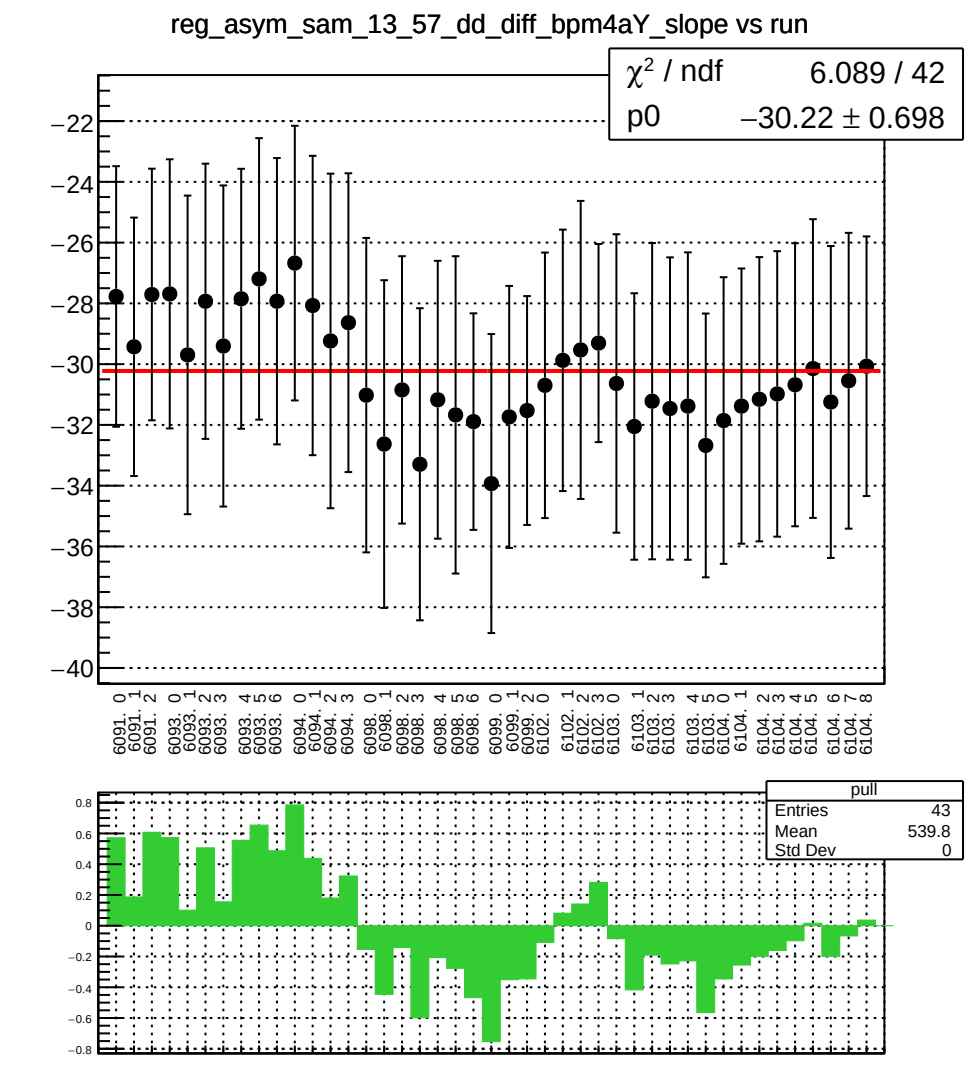

reg_asym_sam_48_dd_diff_bpm4eX_slope vs run
χ² / ndf 1.325 / 42
p0 −60.46 ± 1.947
pull
Entries 43
Mean −191.3
Std Dev 0

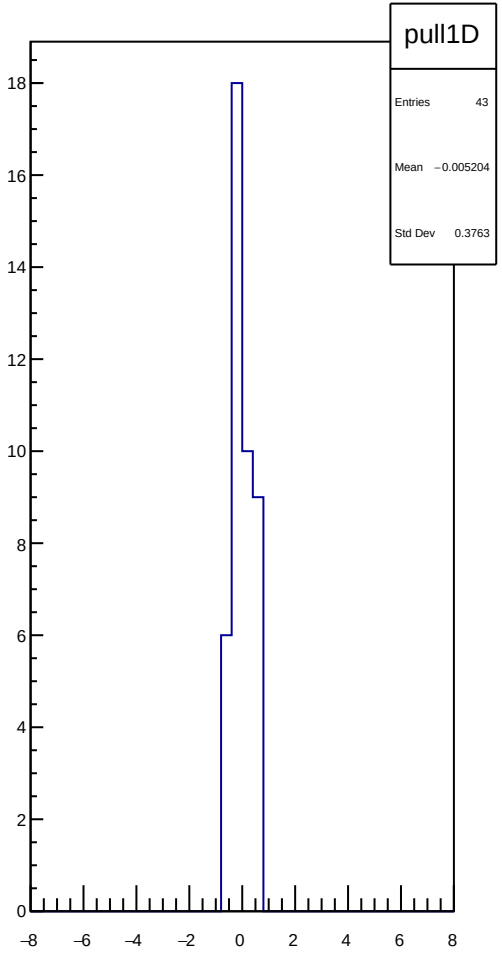

pull1D
Entries 43
Mean −0.002409
Std Dev 0.1755

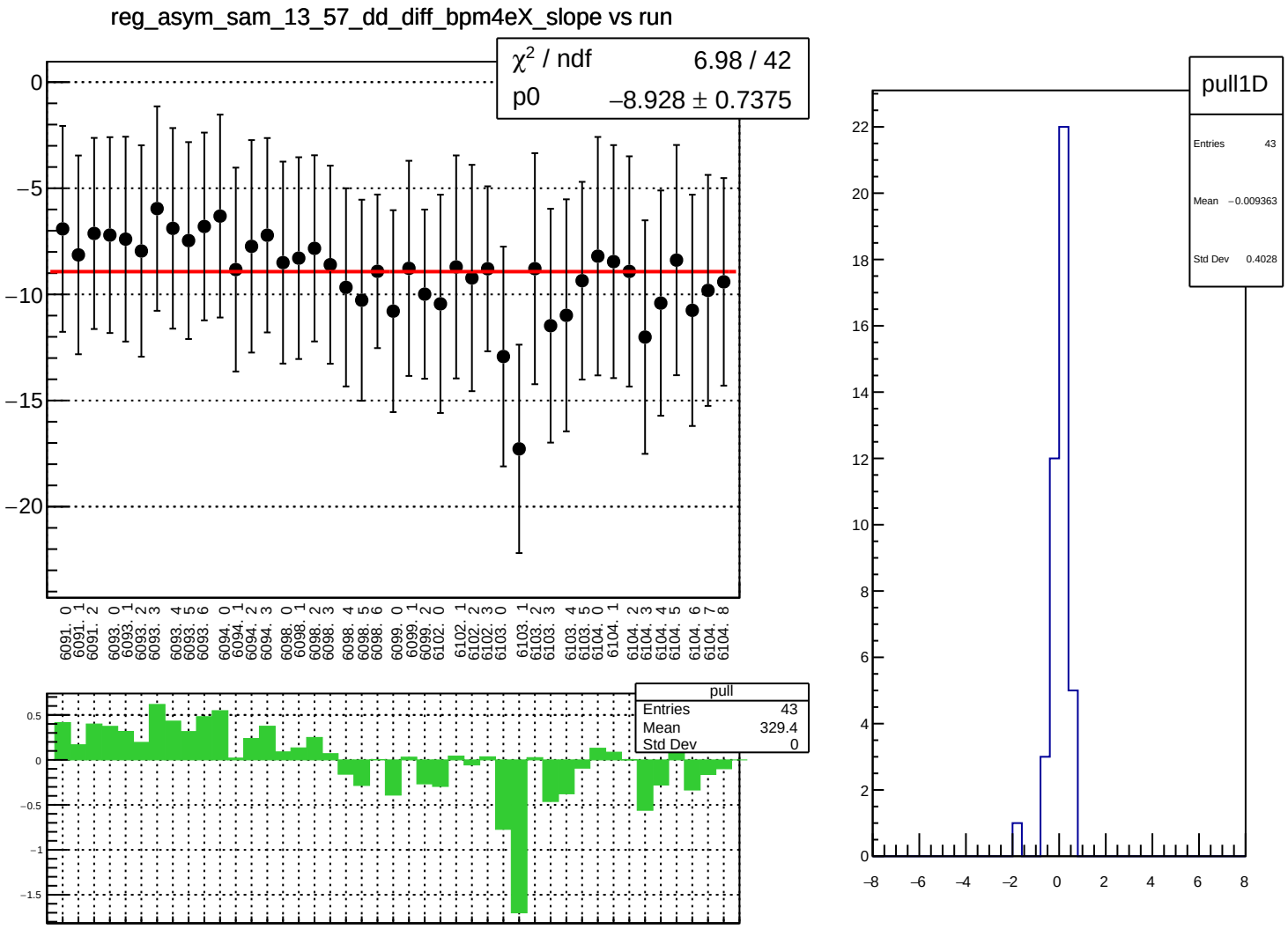

reg_asym_sam_48_dd_diff_bpm4eY_slope vs run
χ² / ndf 4.13 / 42
p0 100.4 ± 1.944
120
110
100
90
80
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean −599.9
Std Dev 0
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
pull1D
Entries 43
Mean −0.002972
Std Dev 0.3099
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

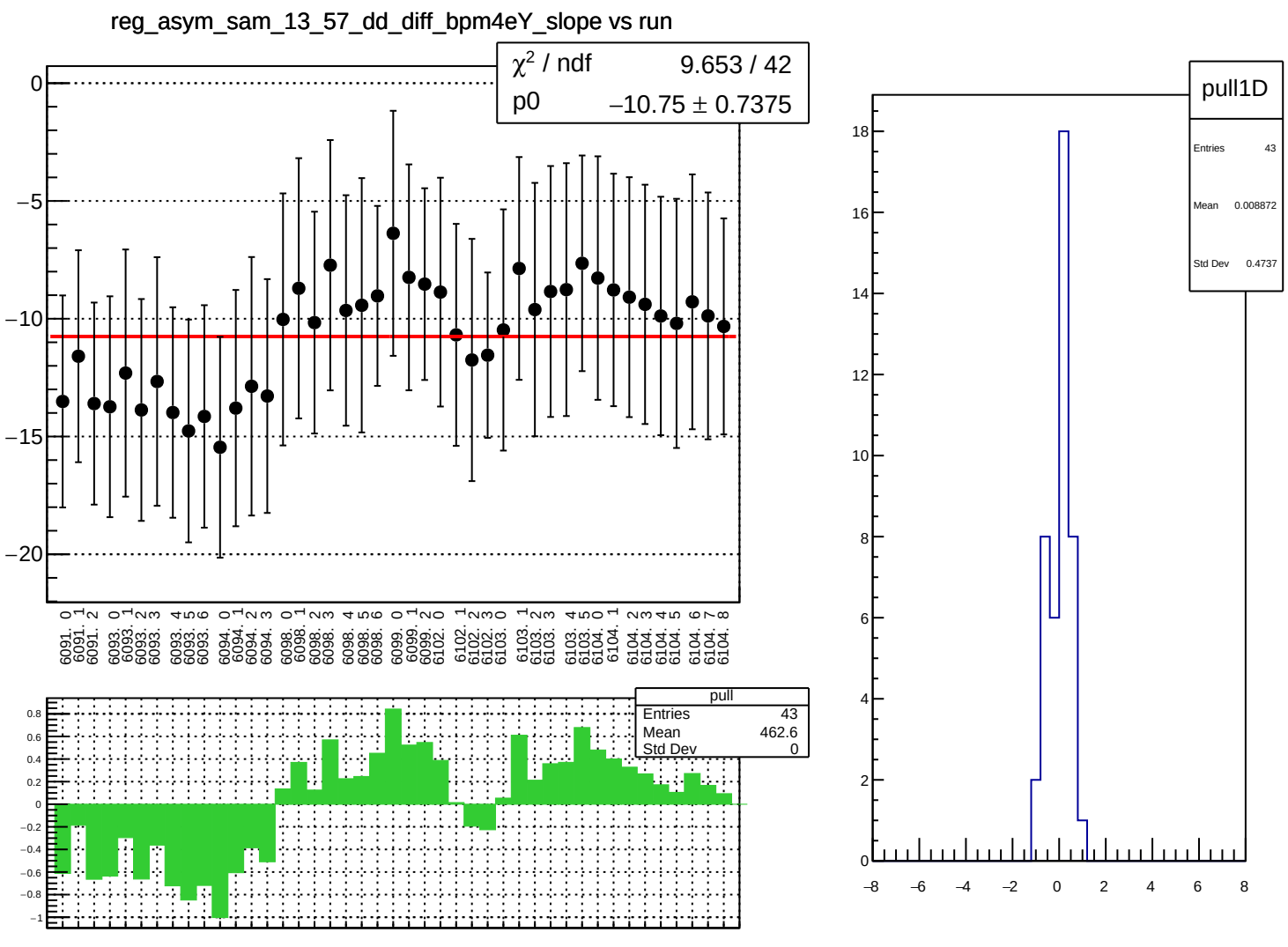

reg_asym_sam_48_dd_diff_bpm12X_slope vs run
χ² / ndf 2.752 / 42
p0 −0.7971± 0.1473
pull
Entries 43
Mean 2.277e+04
Std Dev 0
pull1D
Entries 43
Mean −0.0001039
Std Dev 0.253

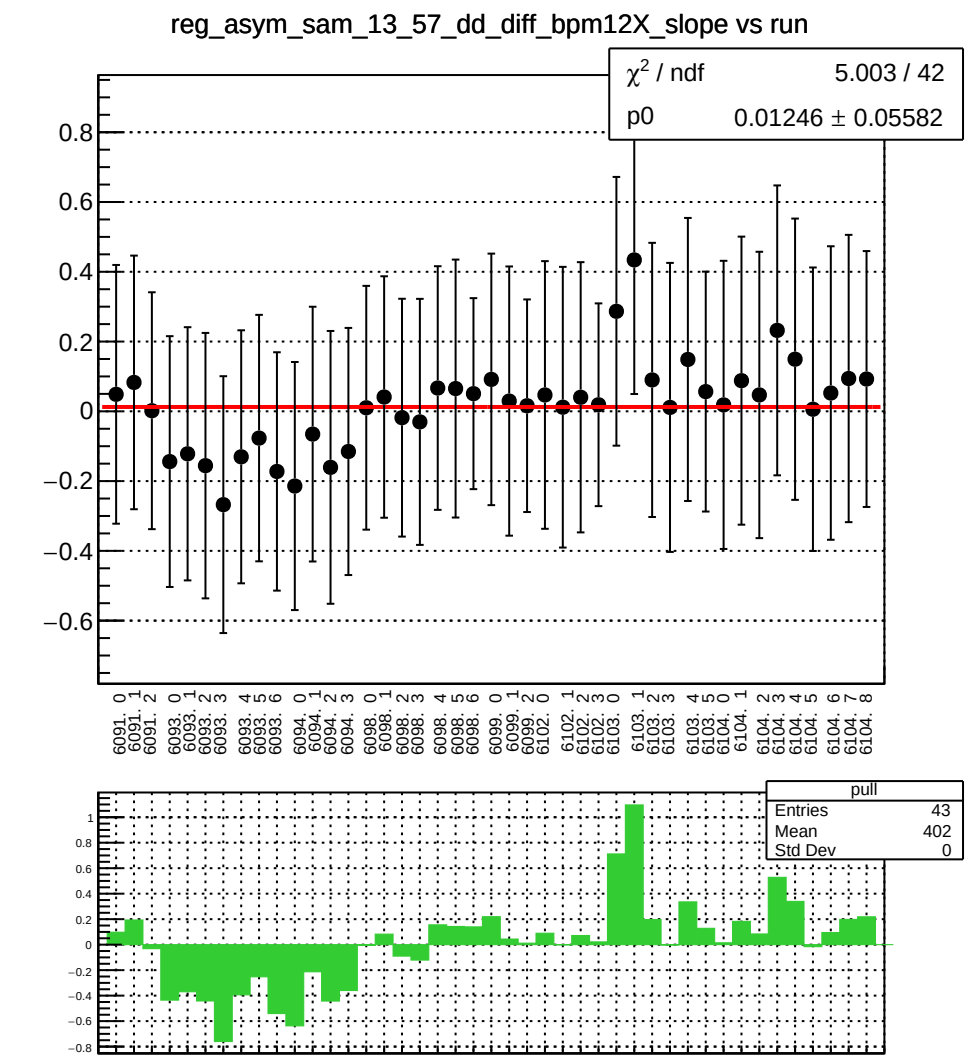

reg_asym_sam_13_57_dd_diff_bpm1X_slope vs run
χ² / ndf 7.44 / 42
p0 −14.78 ± 0.6034
pull
Entries 43
Mean 437.5
Std Dev 0
pull1D
Entries 43
Mean 0.007066
Std Dev 0.4159

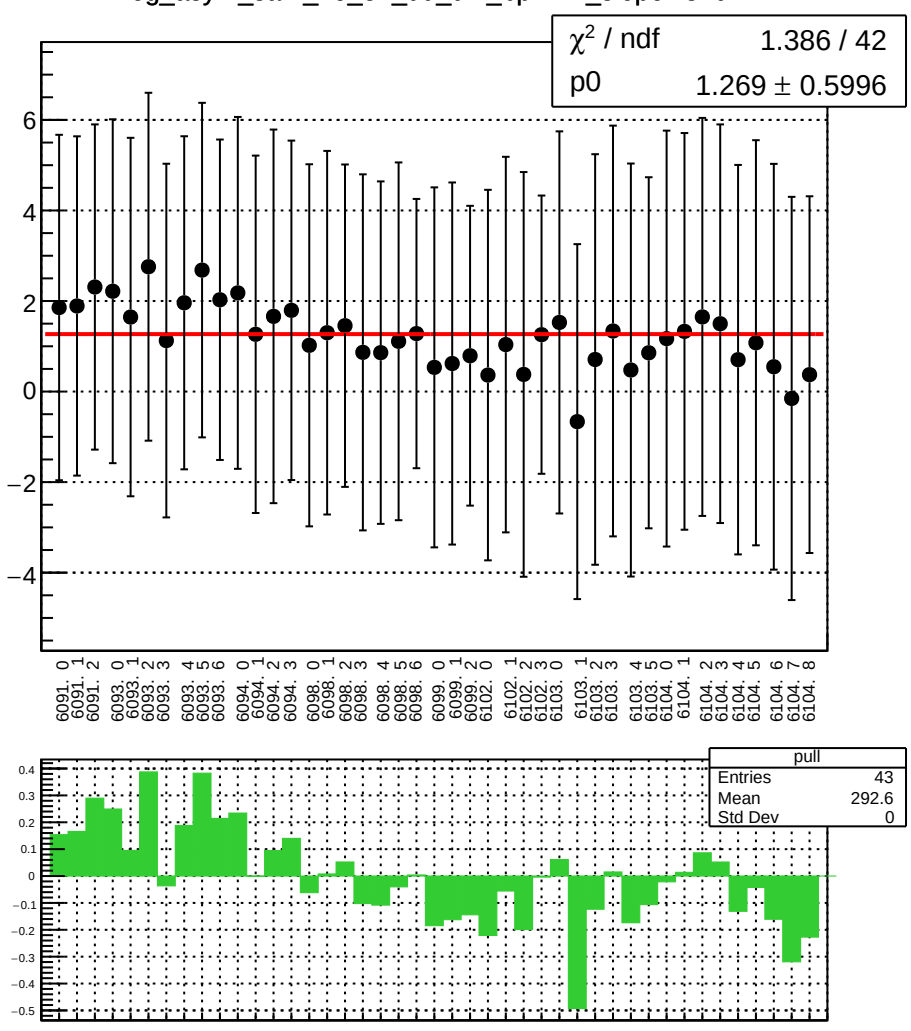

reg_asym_sam_13_57_dd_diff_bpm4aY_slope vs run
χ² / ndf 6.089 / 42
p0 −30.22 ± 0.698
pull
Entries 43
Mean 539.8
Std Dev 0

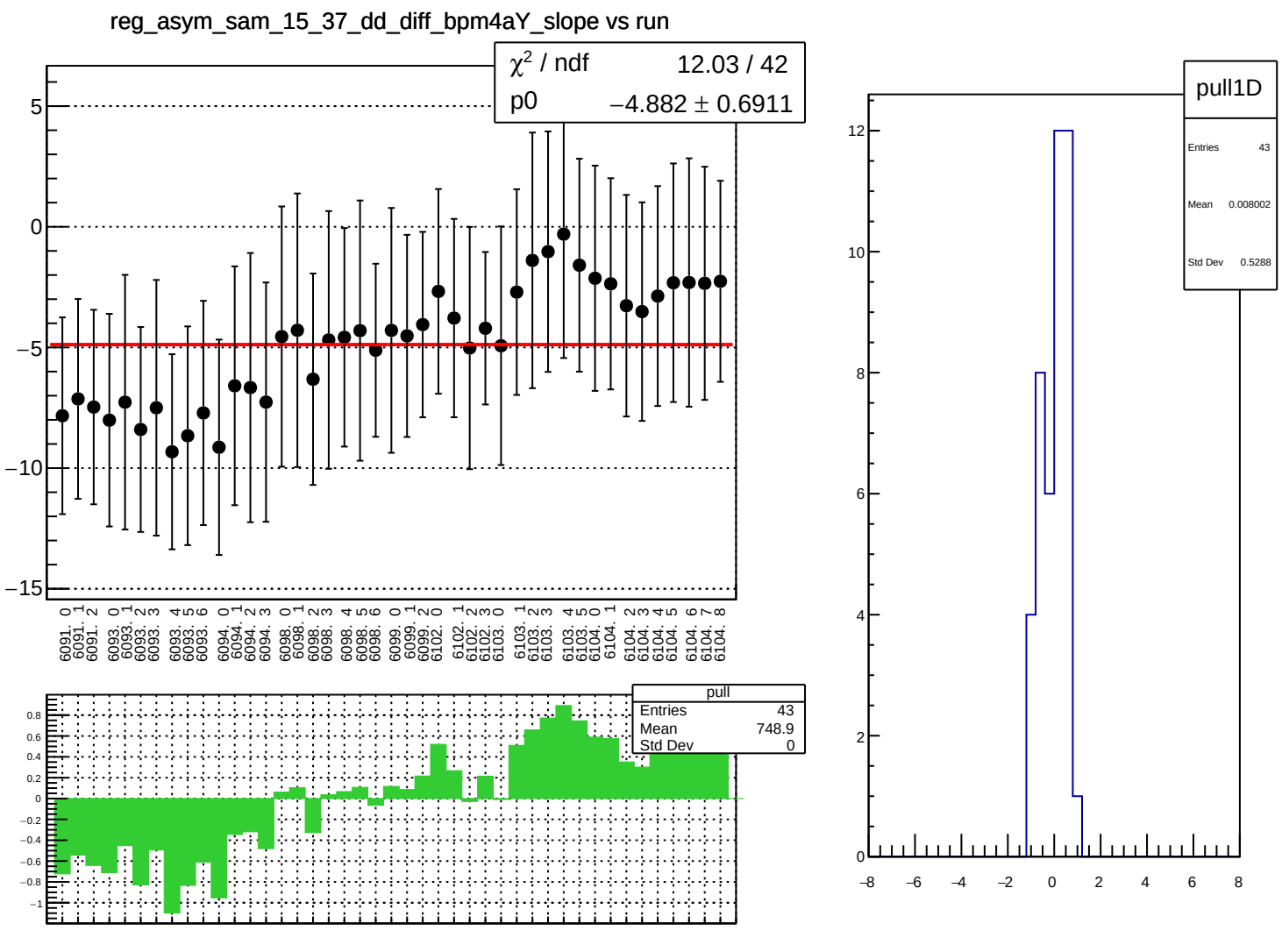

pull1D
Entries 43
Mean −0.005204
Std Dev 0.3763

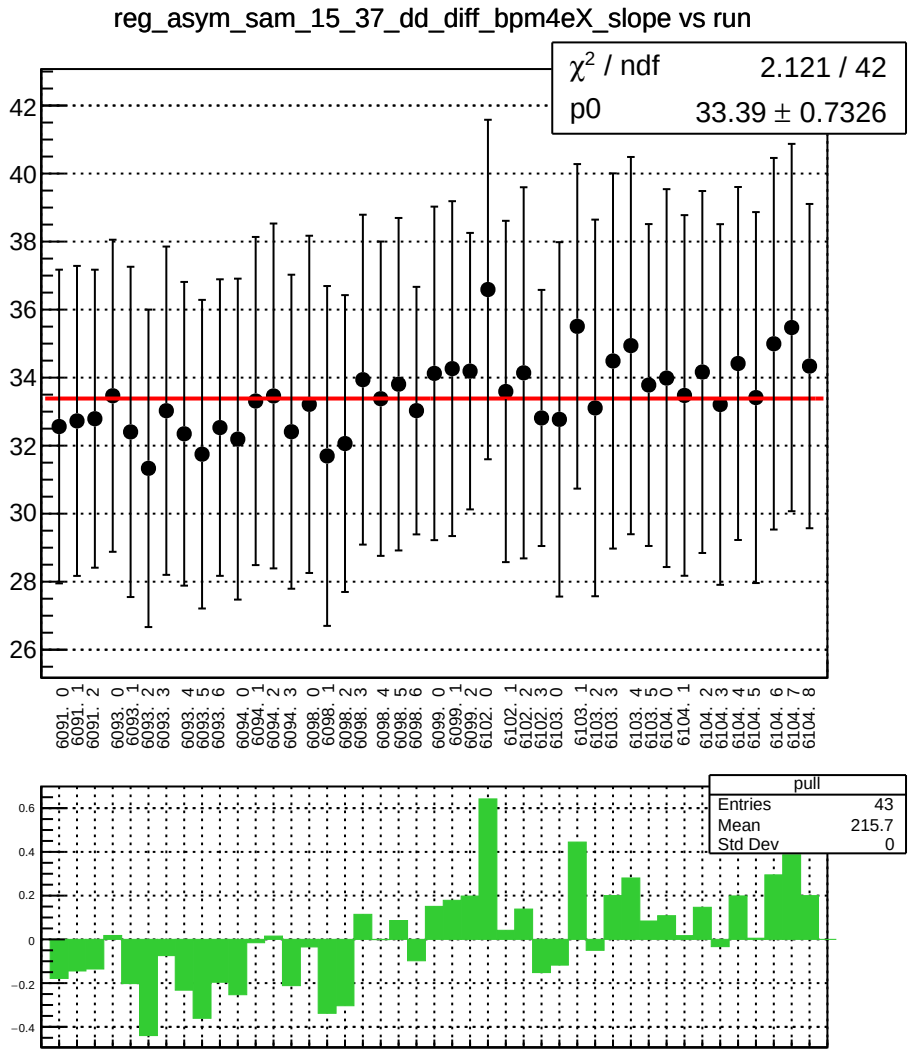

reg_asym_sam_13_57_dd_diff_bpm4eX_slope vs run
χ² / ndf 6.98 / 42
p0 −8.928 ± 0.7375
0
−5
−10
−15
−20
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 329.4
Std Dev 0
0.5
0
−0.5
−1
−1.5
pull1D
Entries 43
Mean −0.009363
Std Dev 0.4028
22
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

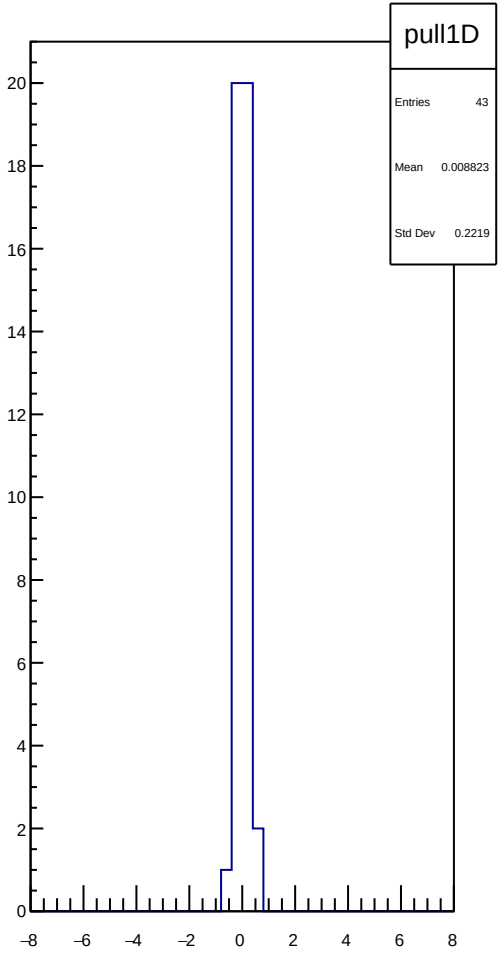

reg_asym_sam_13_57_dd_diff_bpm4eY_slope vs run
χ² / ndf 9.653 / 42
p0 −10.75 ± 0.7375
0
−5
−10
−15
−20
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 462.6
Std Dev 0
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
−1
pull1D
Entries 43
Mean 0.008872
Std Dev 0.4737
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

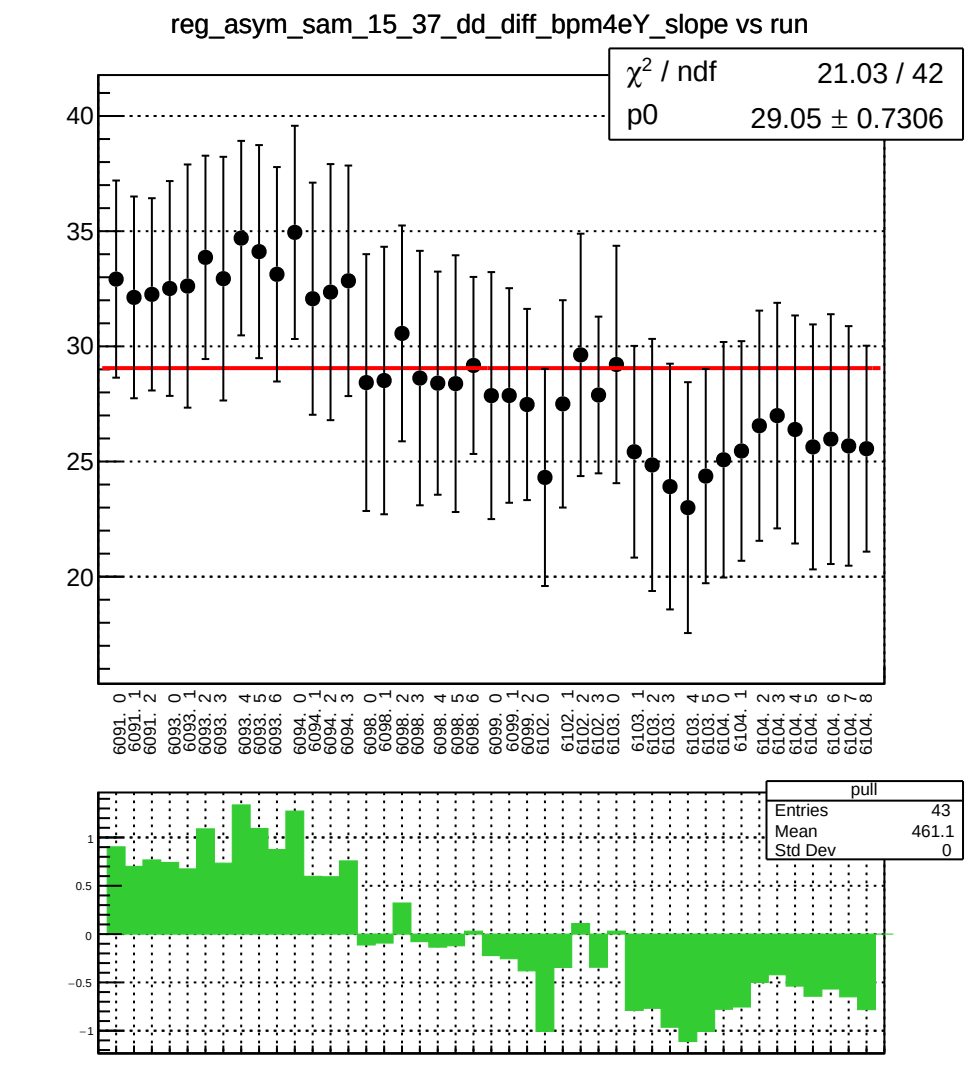

reg_asym_sam_13_57_dd_diff_bpm12X_slope vs run
χ² / ndf 5.003 / 42
p0 0.01246 ± 0.05582
pull
Entries 43
Mean 402
Std Dev 0
pull1D
Entries 43
Mean 0.006603
Std Dev 0.341

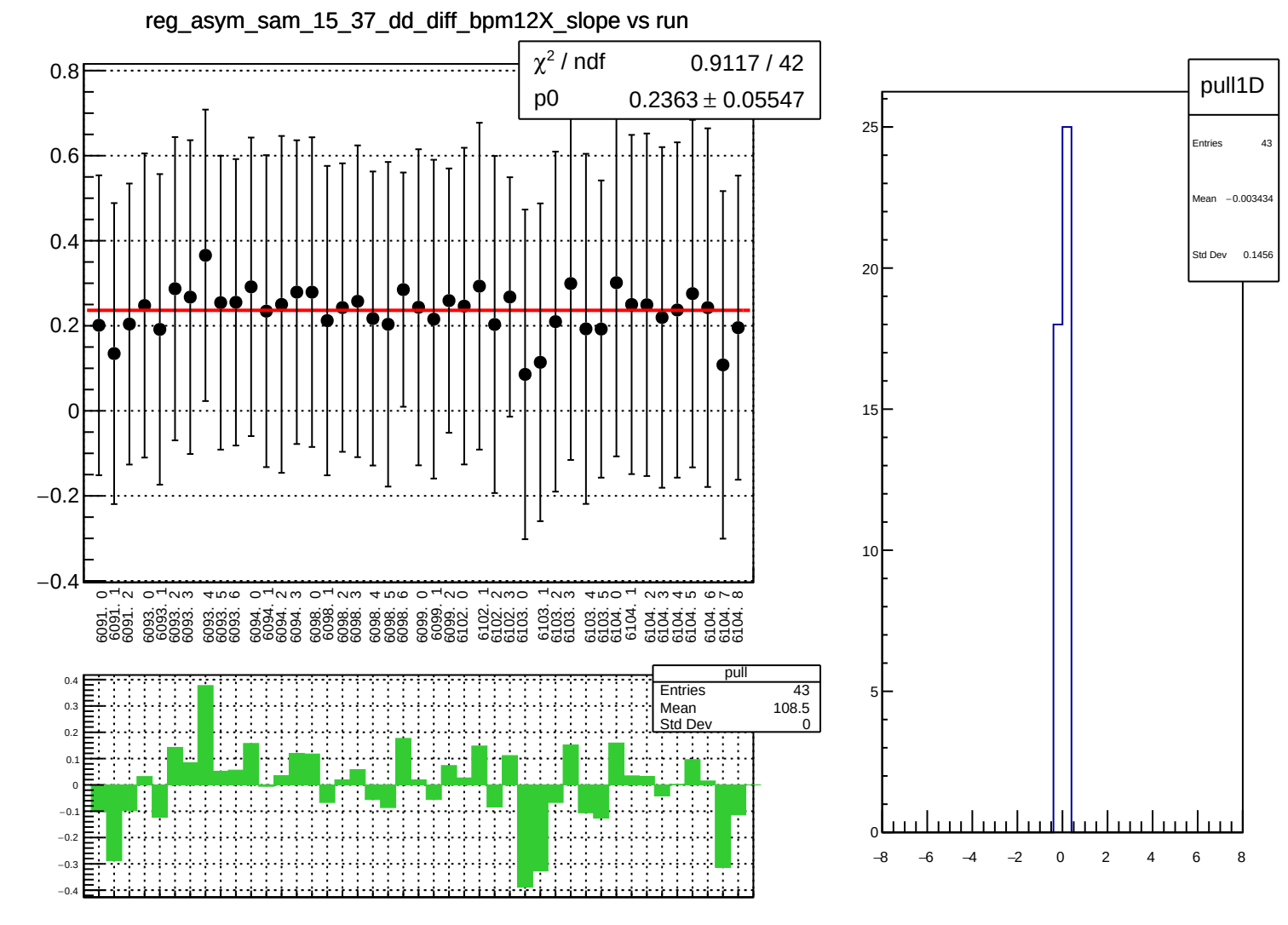

reg_asym_sam_15_37_dd_diff_bpm1X_slope vs run
χ² / ndf 1.386 / 42
p0 1.269 ± 0.5996
pull
Entries 43
Mean 292.6
Std Dev 0
pull1D
Entries 43
Mean −0.005386
Std Dev 0.1794

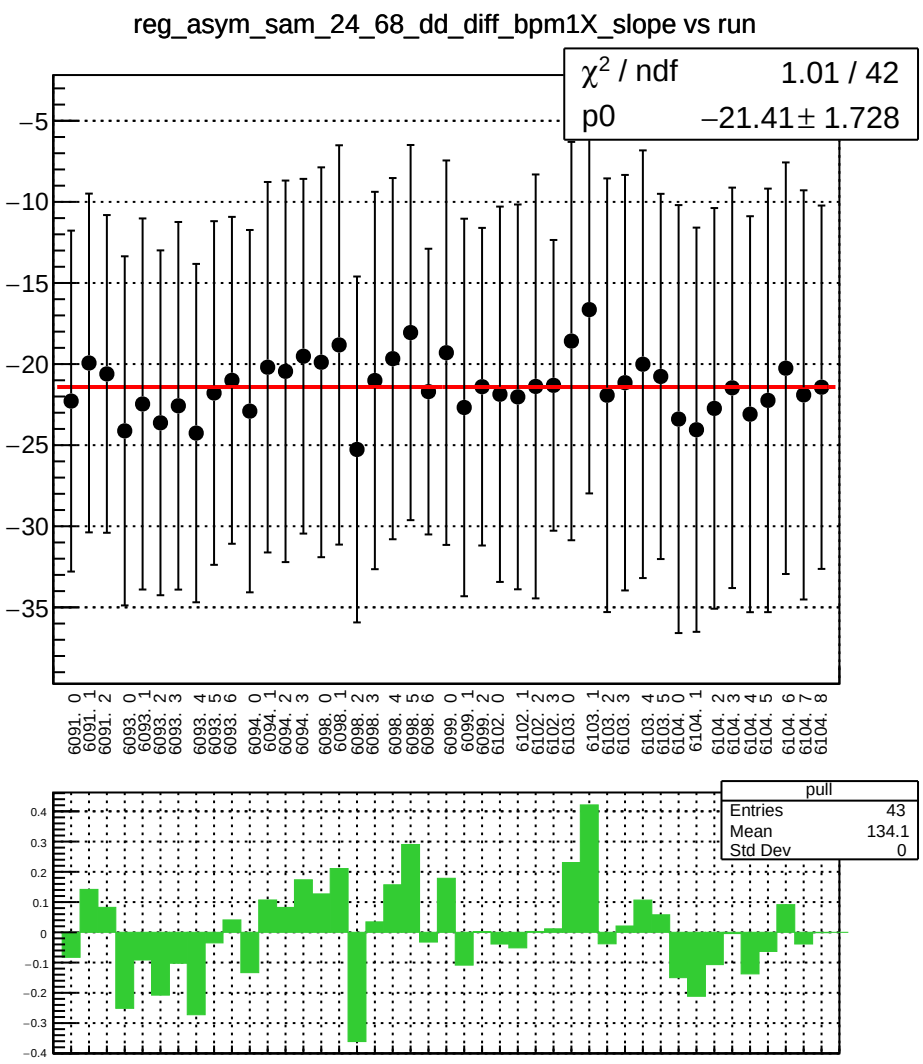

reg_asym_sam_15_37_dd_diff_bpm4aY_slope vs run
χ² / ndf 12.03 / 42
p0 −4.882 ± 0.6911
5
0
−5
−10
−15
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 748.9
Std Dev 0
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
−1
pull1D
Entries 43
Mean 0.008002
Std Dev 0.5288
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

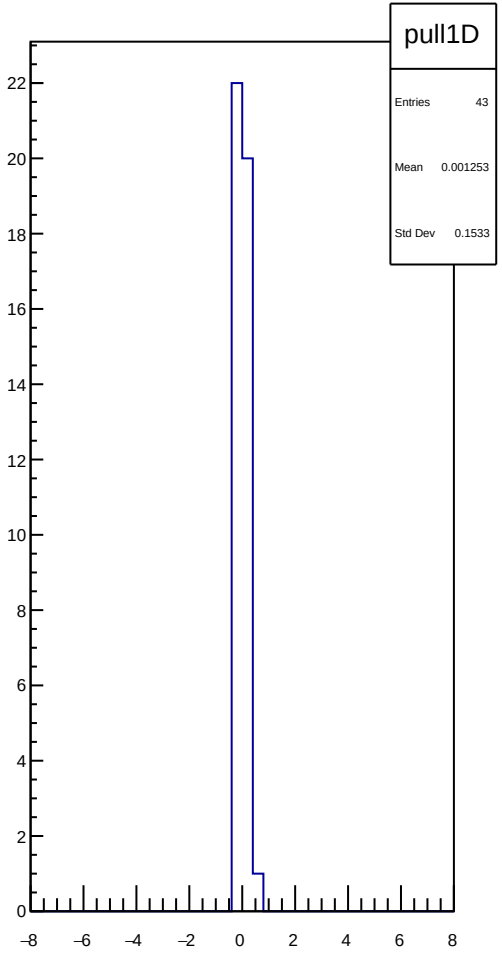

reg_asym_sam_15_37_dd_diff_bpm4eX_slope vs run
χ² / ndf 2.121 / 42
p0 33.39 ± 0.7326
pull
Entries 43
Mean 215.7
Std Dev 0

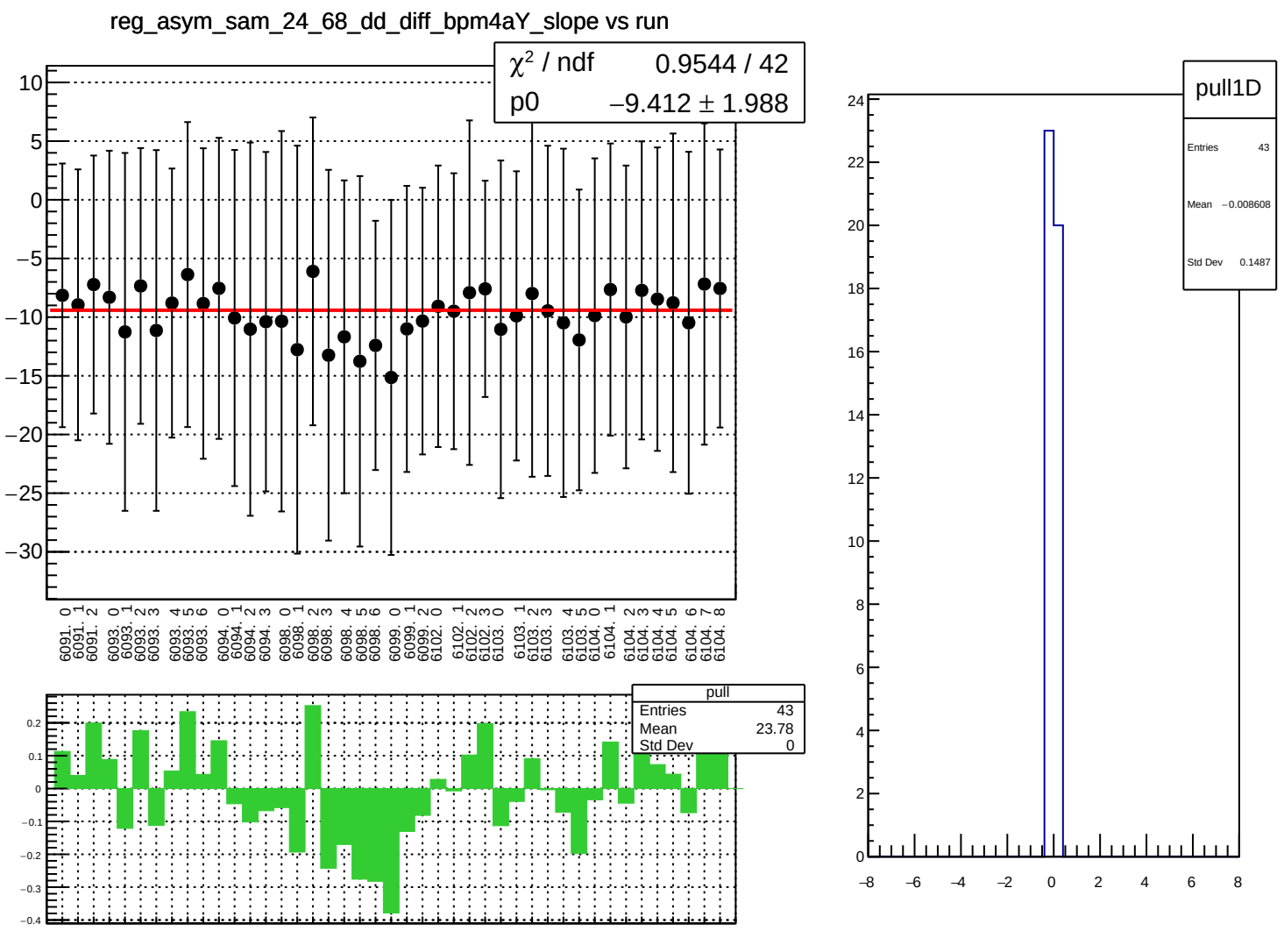

pull1D
Entries 43
Mean 0.008823
Std Dev 0.2219

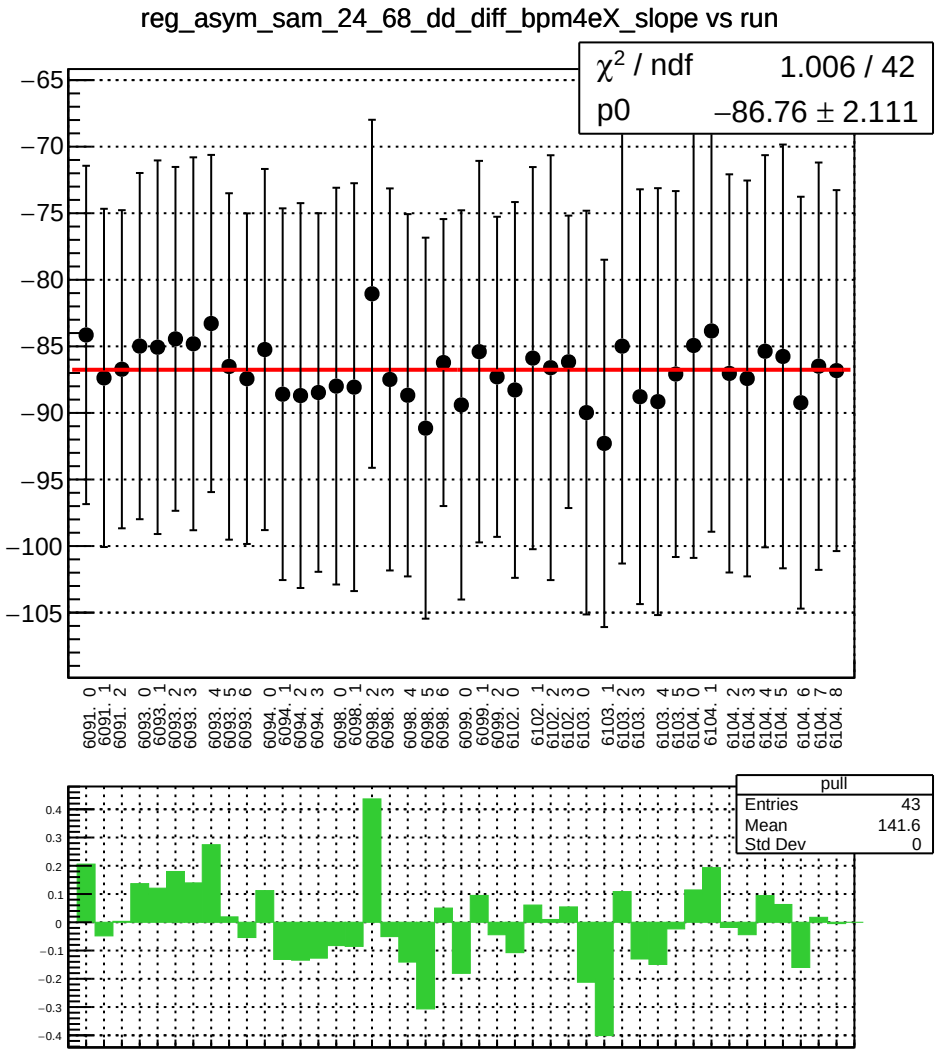

reg_asym_sam_15_37_dd_diff_bpm4eY_slope vs run
χ² / ndf 21.03 / 42
p0 29.05 ± 0.7306
40
35
30
25
20
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 461.1
Std Dev 0
1
0.5
0
−0.5
−1
pull1D
Entries 43
Mean −0.01718
Std Dev 0.699
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

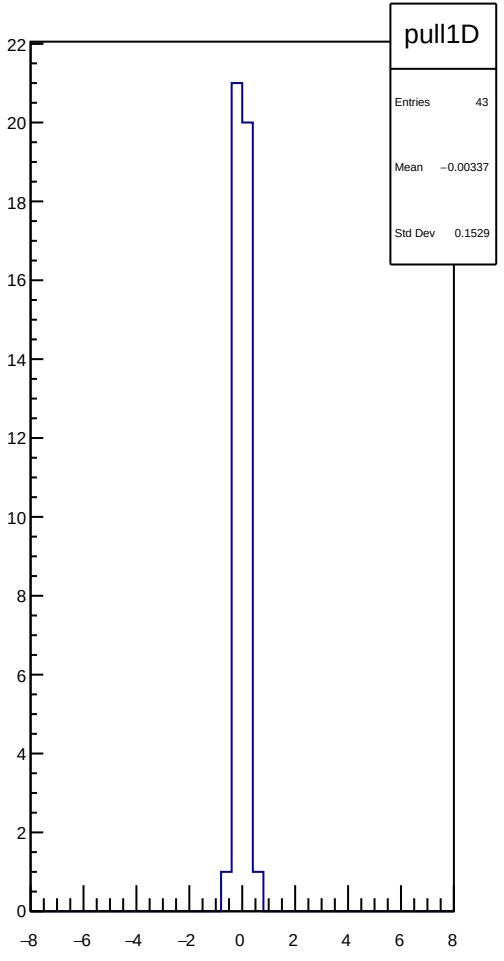

reg_asym_sam_15_37_dd_diff_bpm12X_slope vs run
χ² / ndf 0.9117 / 42
p0 0.2363 ± 0.05547
pull
Entries 43
Mean 108.5
Std Dev 0
pull1D
Entries 43
Mean −0.003434
Std Dev 0.1456

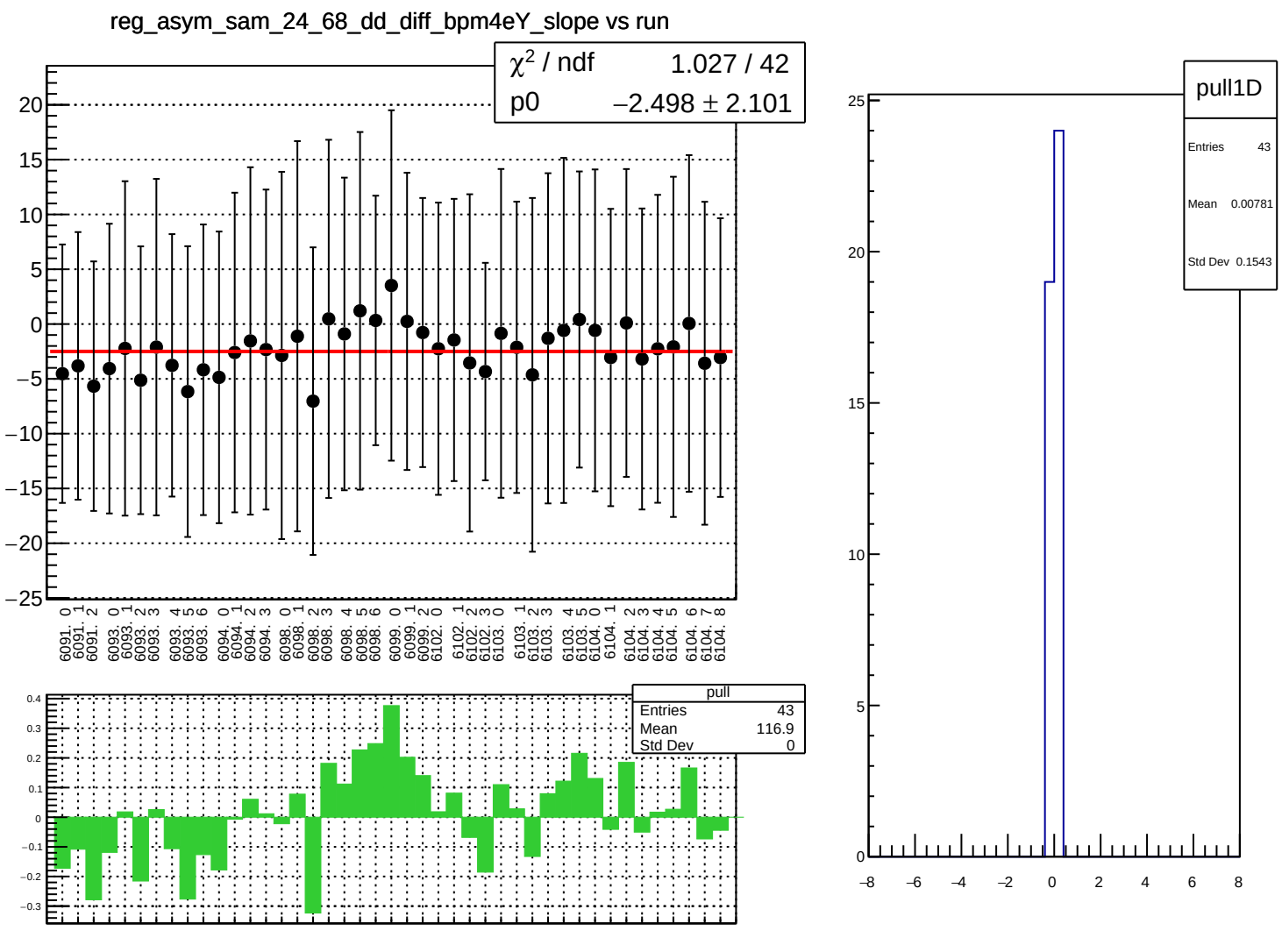

reg_asym_sam_24_68_dd_diff_bpm1X_slope vs run
χ² / ndf 1.01 / 42
p0 −21.41± 1.728
pull
Entries 43
Mean 134.1
Std Dev 0

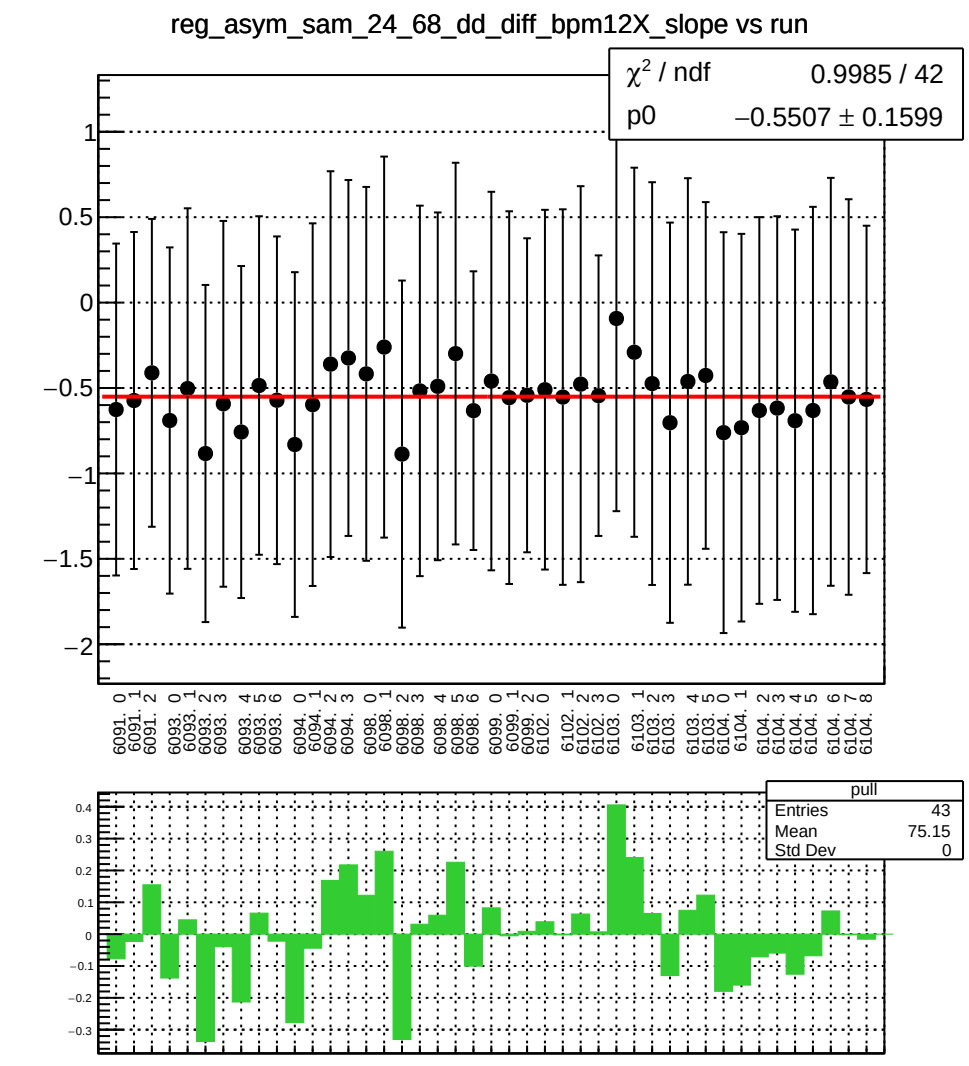

pull1D
Entries 43
Mean 0.001253
Std Dev 0.1533

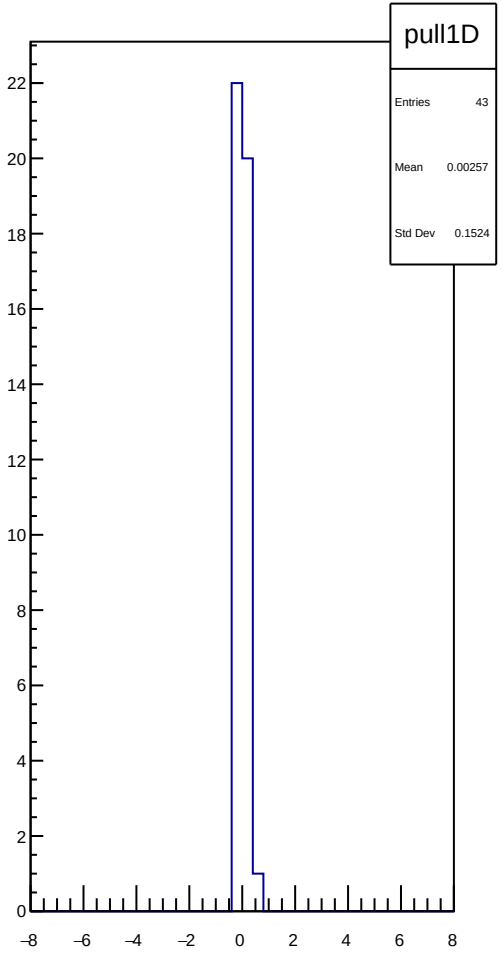

reg_asym_sam_24_68_dd_diff_bpm4aY_slope vs run
χ² / ndf 0.9544 / 42
p0 −9.412 ± 1.988
pull
Entries 43
Mean 23.78
Std Dev 0
pull1D
Entries 43
Mean −0.008608
Std Dev 0.1487

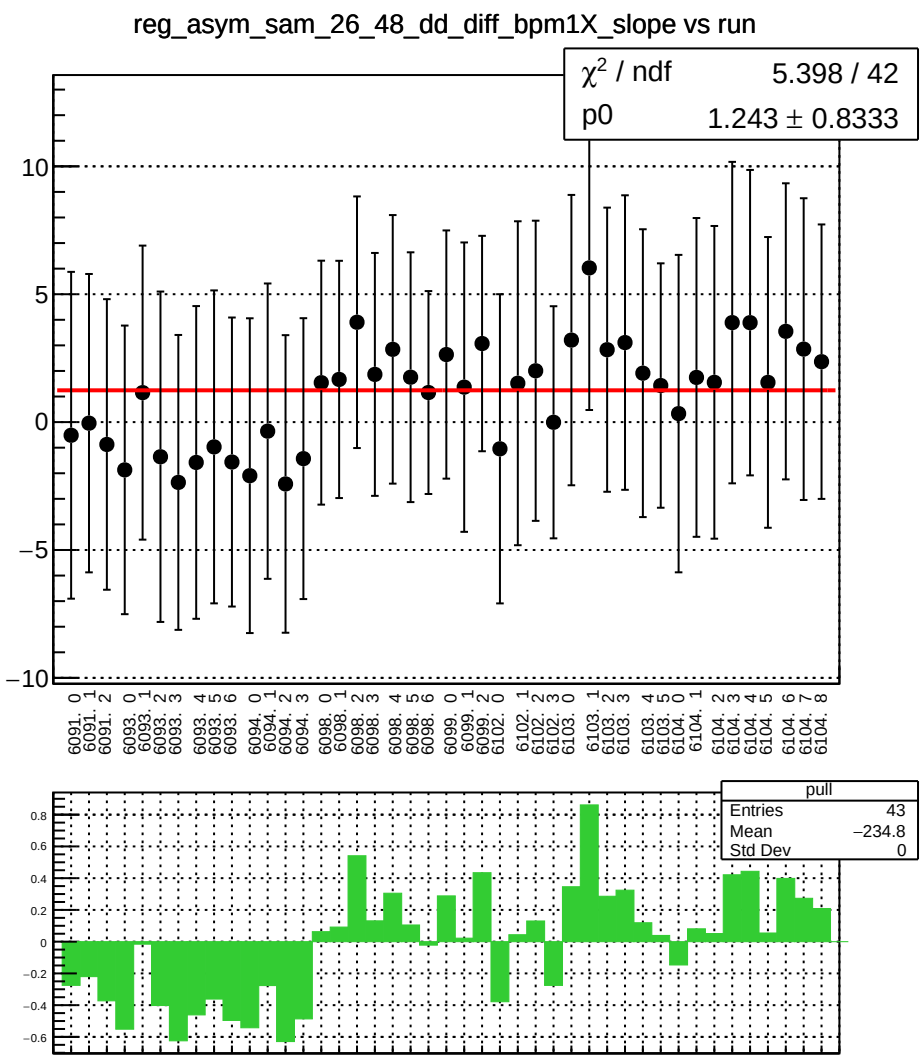

reg_asym_sam_24_68_dd_diff_bpm4eX_slope vs run
χ² / ndf 1.006 / 42
p0 −86.76 ± 2.111
pull
Entries 43
Mean 141.6
Std Dev 0

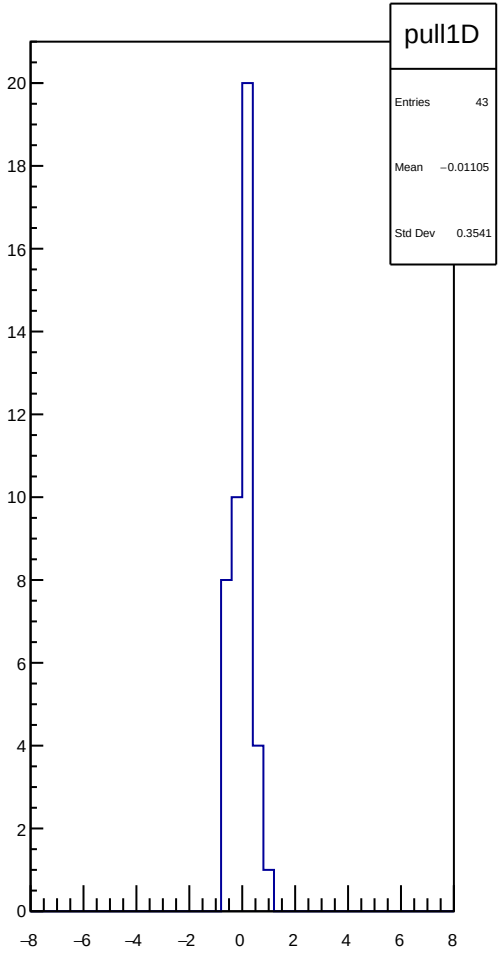

pull1D
Entries 43
Mean −0.00337
Std Dev 0.1529

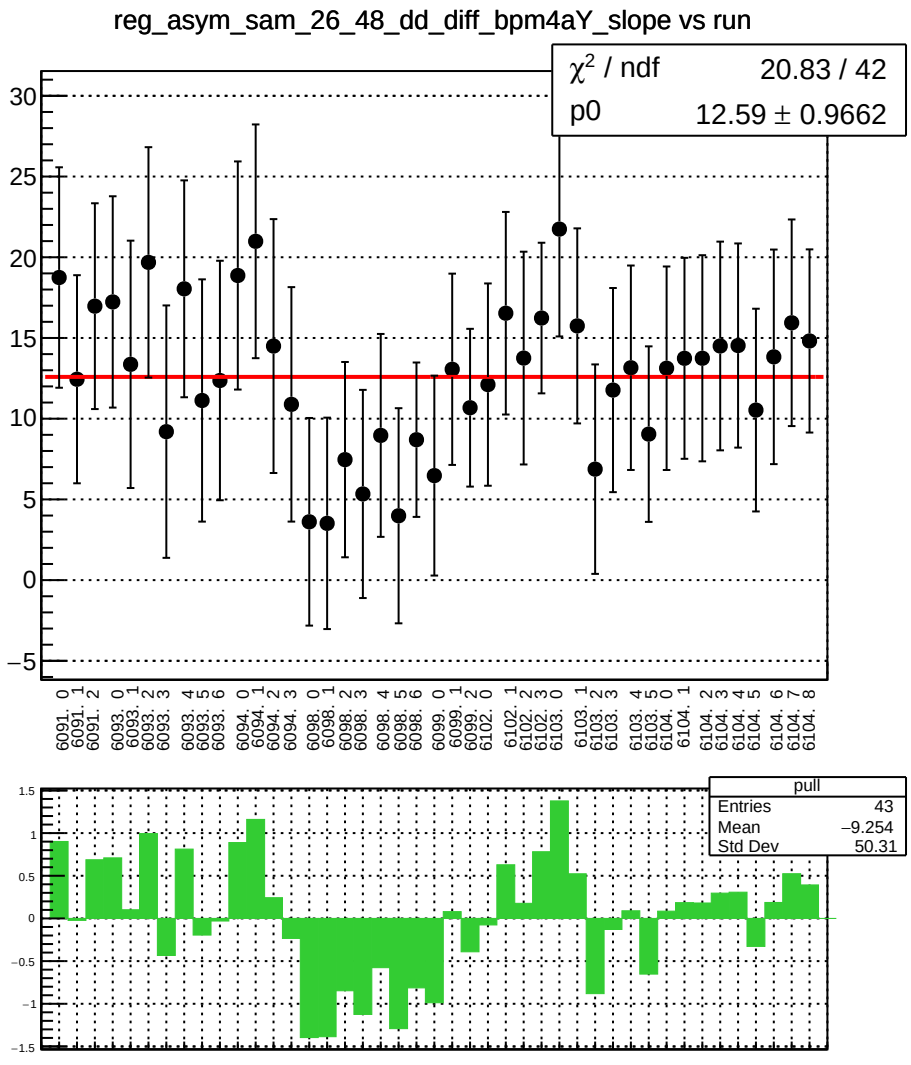

reg_asym_sam_24_68_dd_diff_bpm4eY_slope vs run
χ² / ndf 1.027 / 42
p0 −2.498 ± 2.101
pull
Entries 43
Mean 116.9
Std Dev 0
pull1D
Entries 43
Mean 0.00781
Std Dev 0.1543

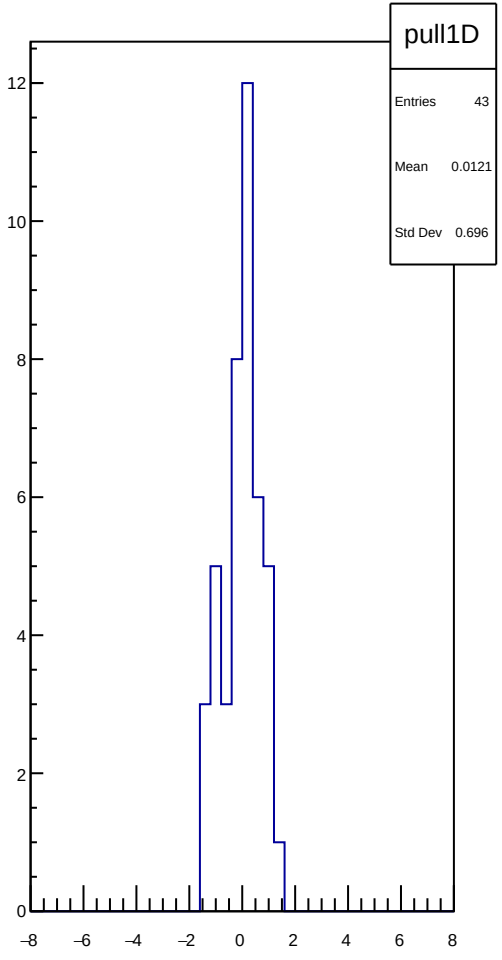

reg_asym_sam_24_68_dd_diff_bpm12X_slope vs run
χ² / ndf 0.9985 / 42
p0 −0.5507 ± 0.1599
pull
Entries 43
Mean 75.15
Std Dev 0

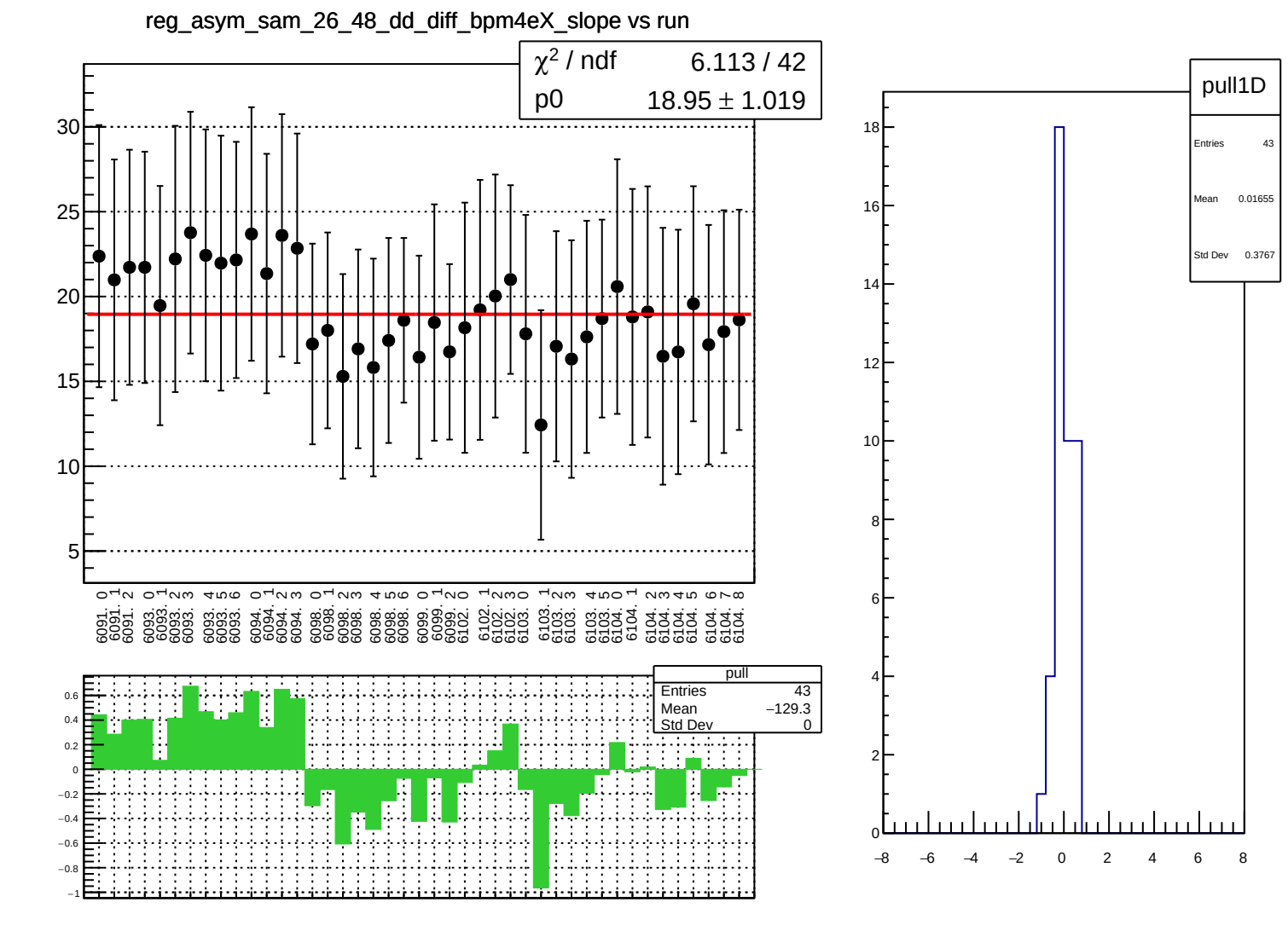

pull1D
Entries 43
Mean 0.00257
Std Dev 0.1524

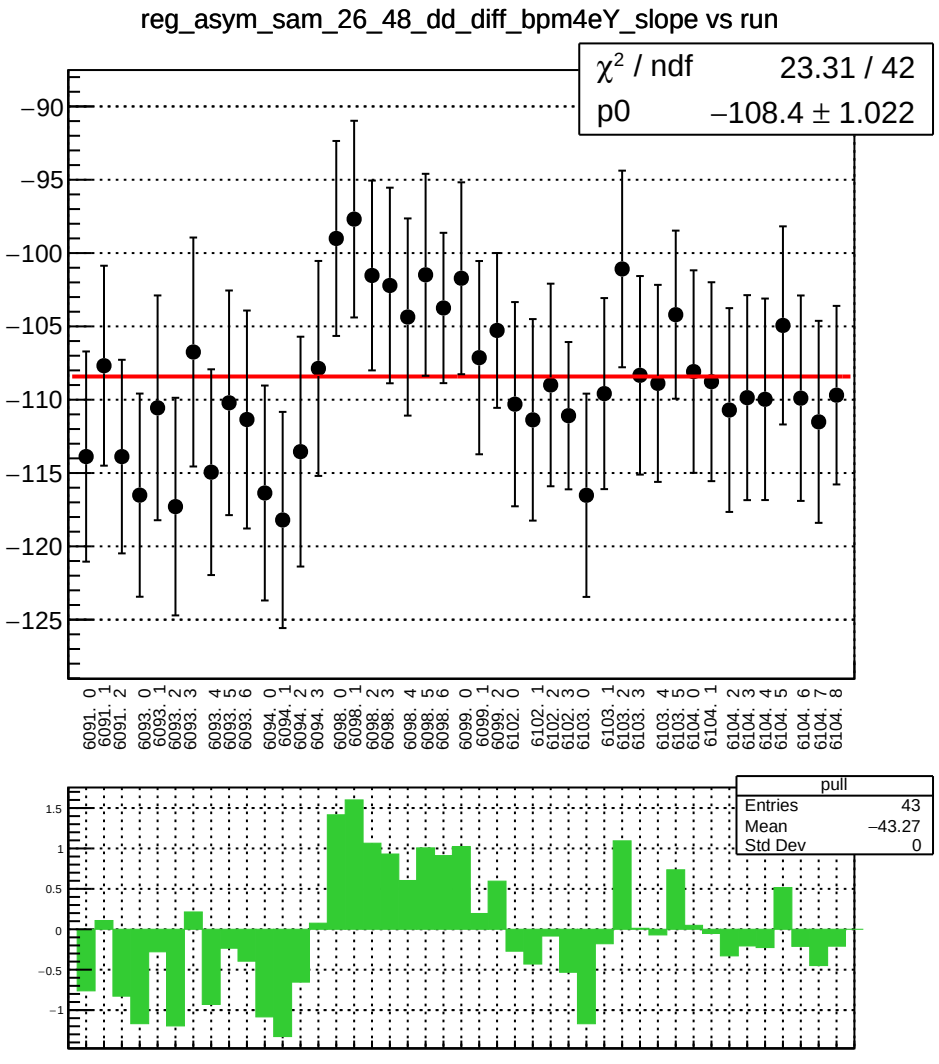

reg_asym_sam_26_48_dd_diff_bpm1X_slope vs run
χ² / ndf 5.398 / 42
p0 1.243 ± 0.8333
10
5
0
−5
−10
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean −234.8
Std Dev 0
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6

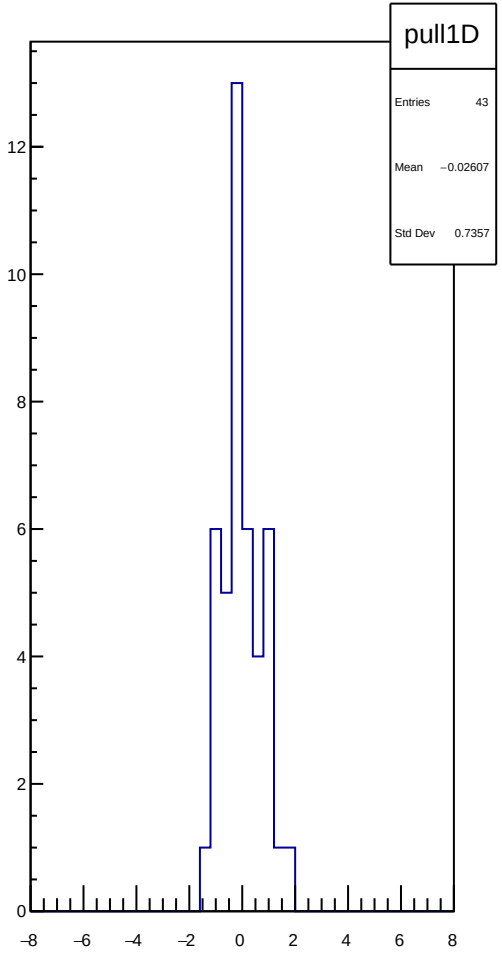

pull1D
Entries 43
Mean −0.01105
Std Dev 0.3541
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

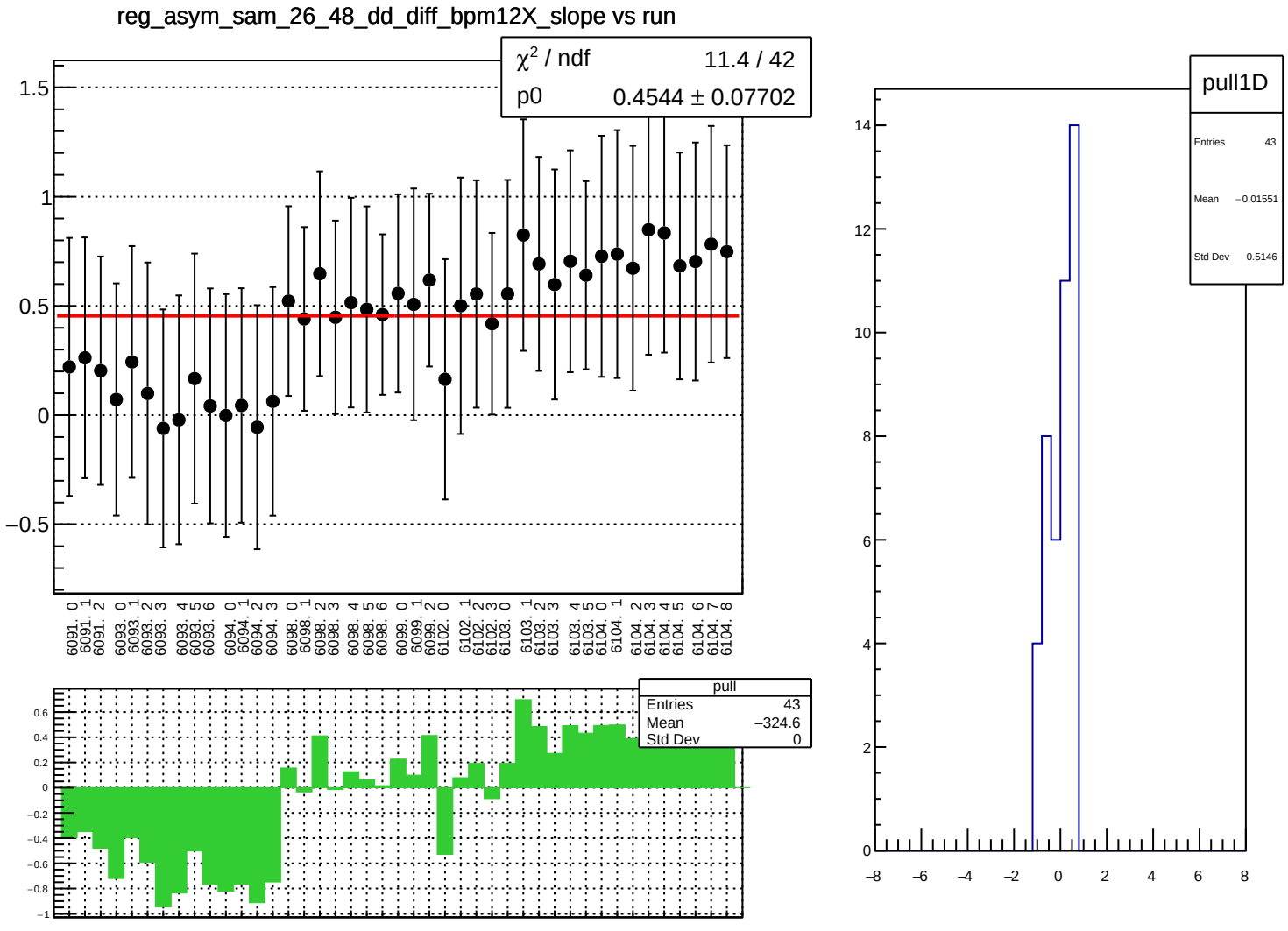

reg_asym_sam_26_48_dd_diff_bpm4aY_slope vs run
χ² / ndf 20.83 / 42
p0 12.59 ± 0.9662
pull
Entries 43
Mean −9.254
Std Dev 50.31

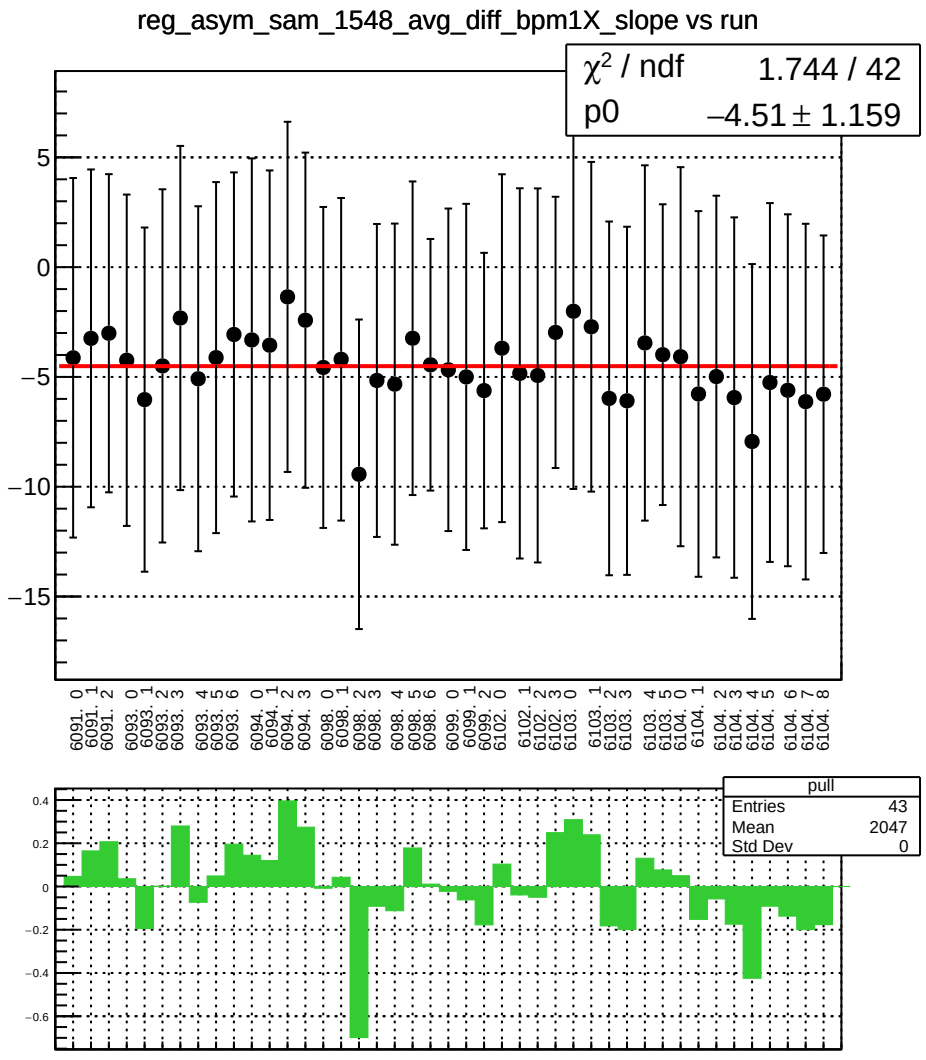

pull1D
Entries 43
Mean 0.0121
Std Dev 0.696

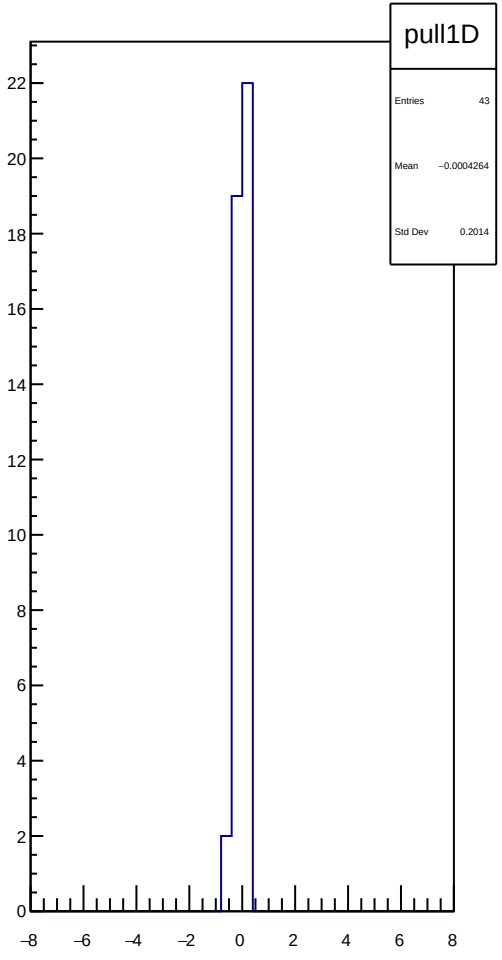

reg_asym_sam_26_48_dd_diff_bpm4eX_slope vs run
χ² / ndf 6.113 / 42
p0 18.95 ± 1.019
pull
Entries 43
Mean −129.3
Std Dev 0
pull1D
Entries 43
Mean 0.01655
Std Dev 0.3767

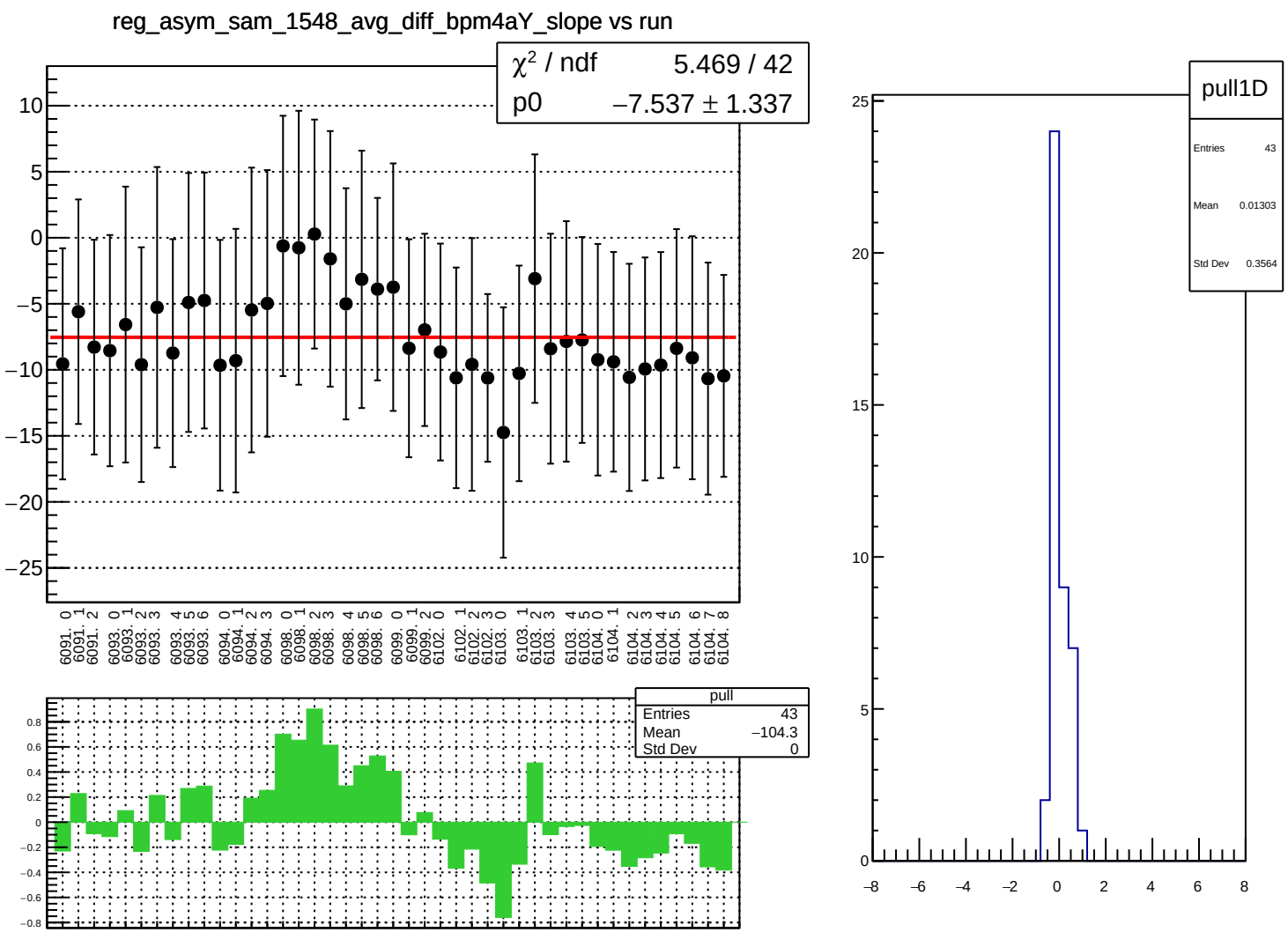

reg_asym_sam_26_48_dd_diff_bpm4eY_slope vs run
χ² / ndf 23.31 / 42
p0 −108.4 ± 1.022
−90
−95
−100
−105
−110
−115
−120
−125
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean −43.27
Std Dev 0
1.5
1
0.5
0
−0.5
−1

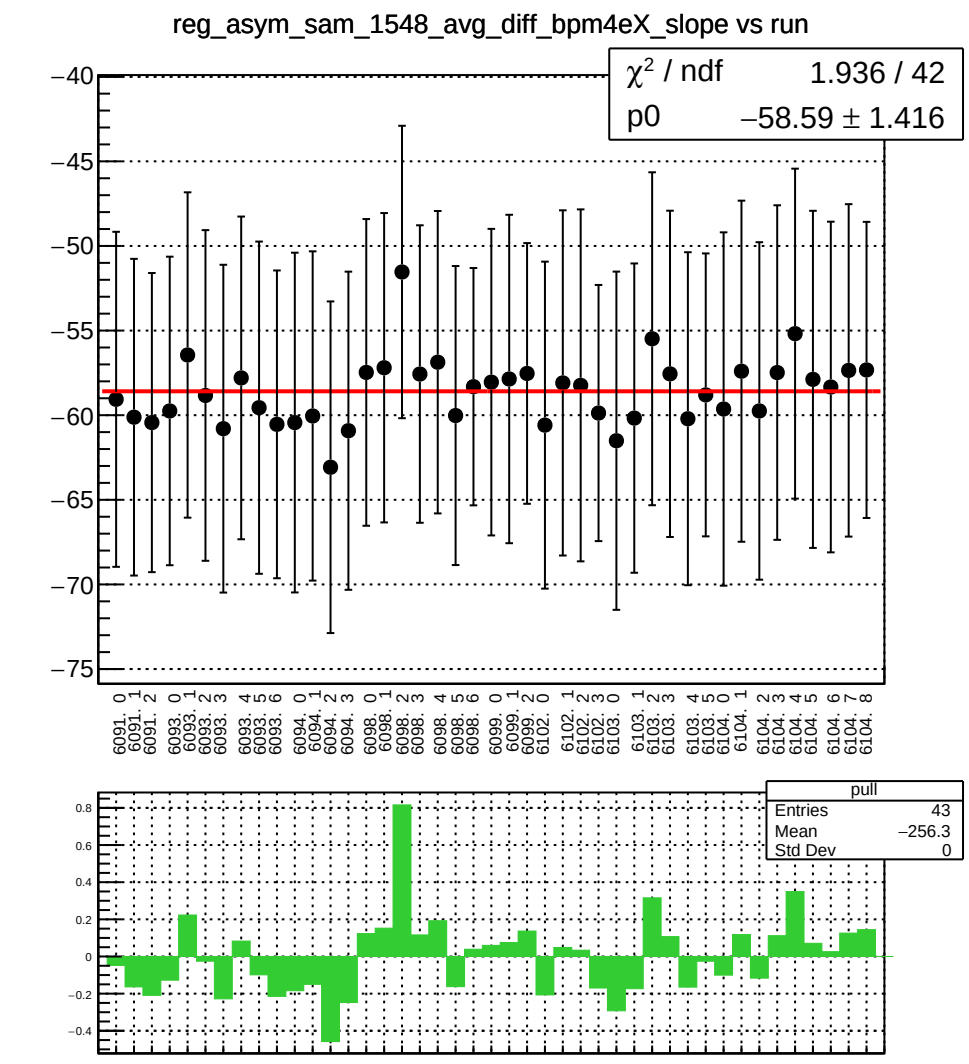

pull1D
Entries 43
Mean −0.02607
Std Dev 0.7357
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

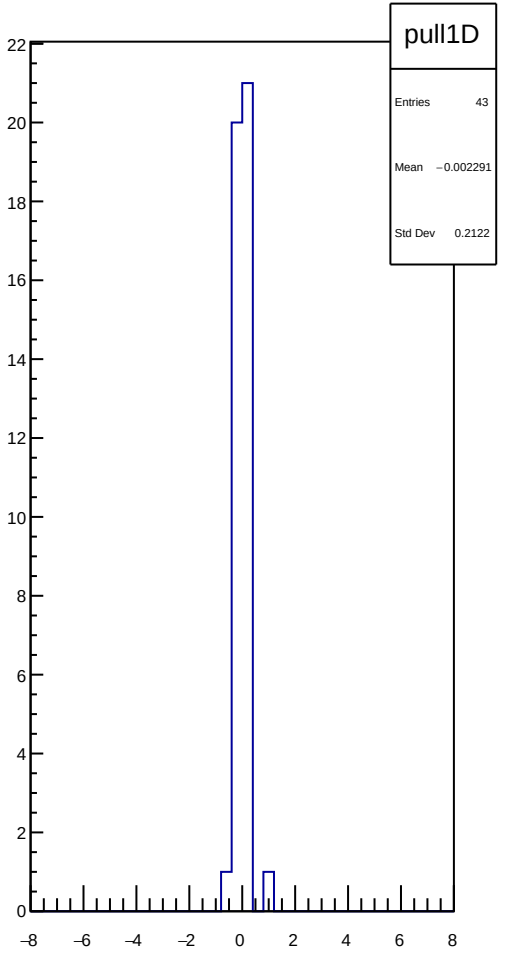

reg_asym_sam_26_48_dd_diff_bpm12X_slope vs run
χ² / ndf 11.4 / 42
p0 0.4544 ± 0.07702
pull
Entries 43
Mean −324.6
Std Dev 0
pull1D
Entries 43
Mean −0.01551
Std Dev 0.5146

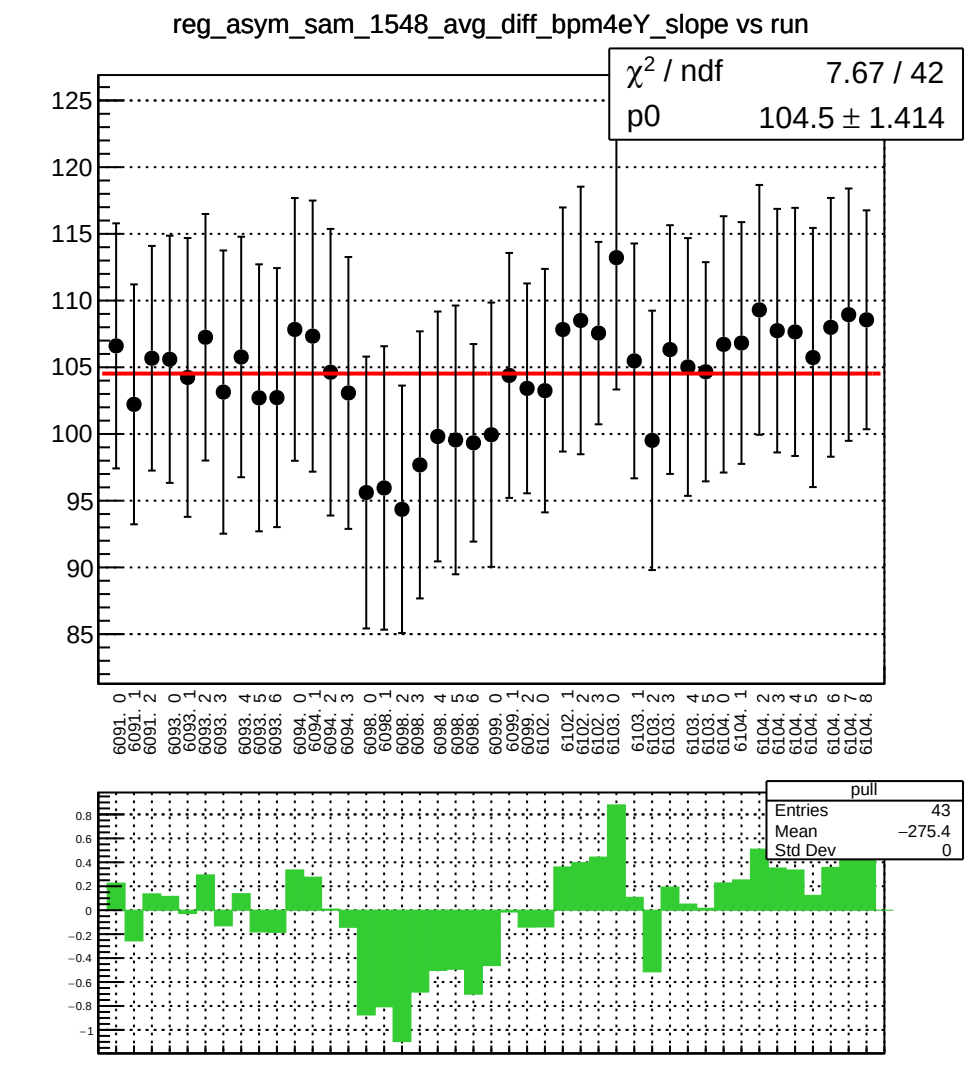

reg_asym_sam_1548_avg_diff_bpm1X_slope vs run
χ² / ndf 1.744 / 42
p0 −4.51 ± 1.159
5
0
−5
−10
−15
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 2047
Std Dev 0
0.4
0.2
0
−0.2
−0.4
−0.6

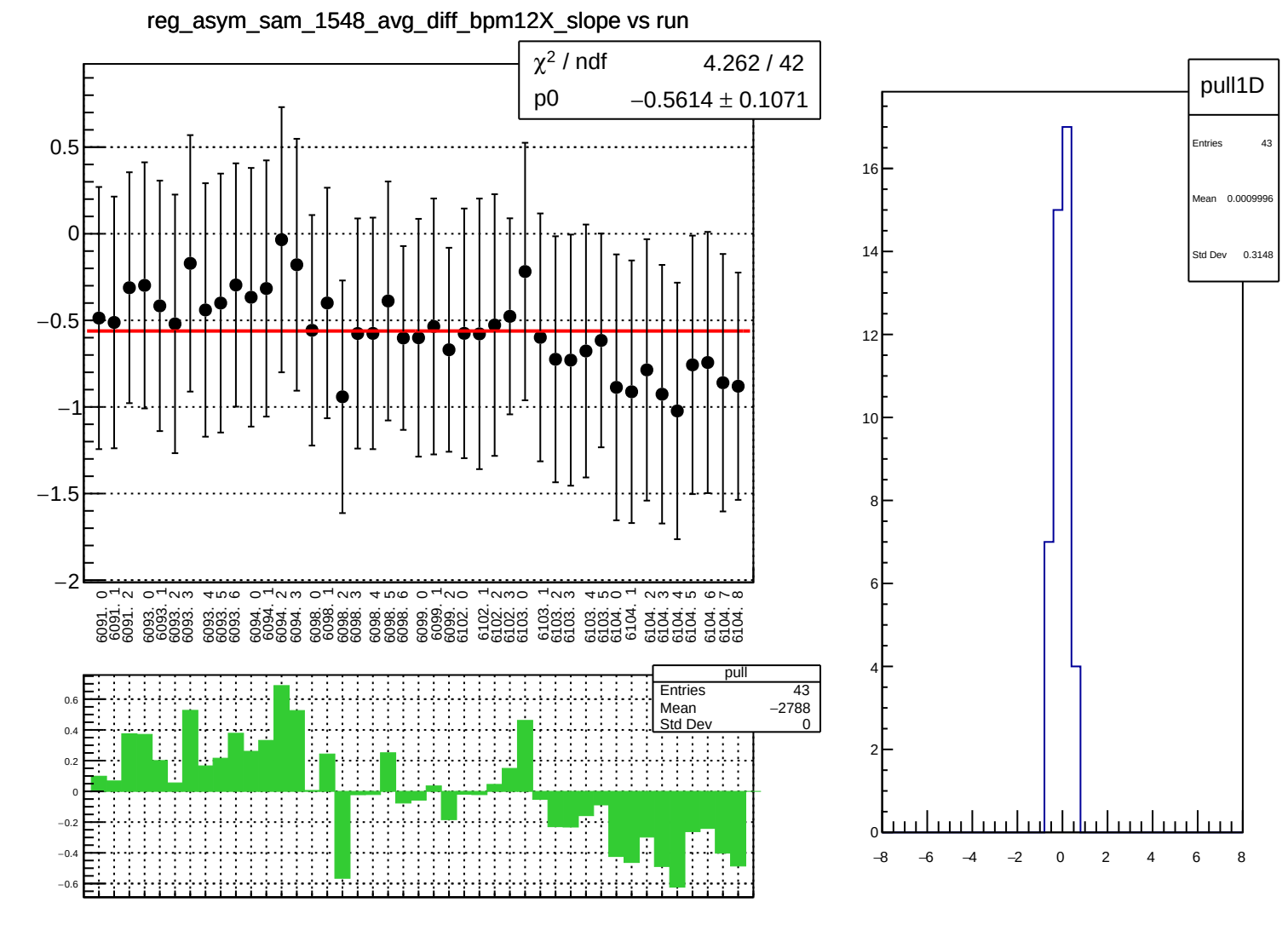

pull1D
Entries 43
Mean −0.0004264
Std Dev 0.2014
22
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

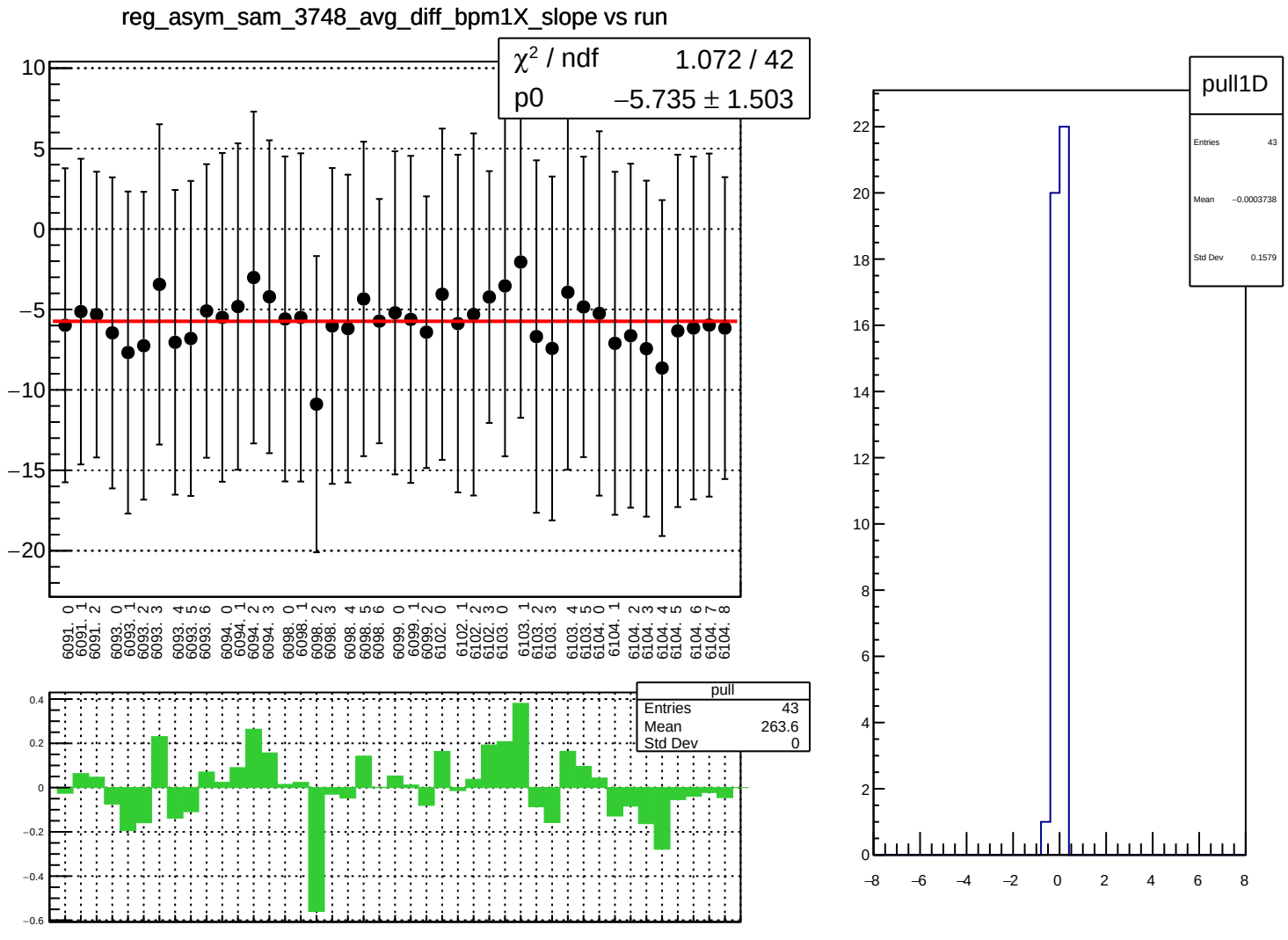

reg_asym_sam_1548_avg_diff_bpm4aY_slope vs run
χ² / ndf 5.469 / 42
p0 −7.537 ± 1.337
pull
Entries 43
Mean −104.3
Std Dev 0
pull1D
Entries 43
Mean 0.01303
Std Dev 0.3564

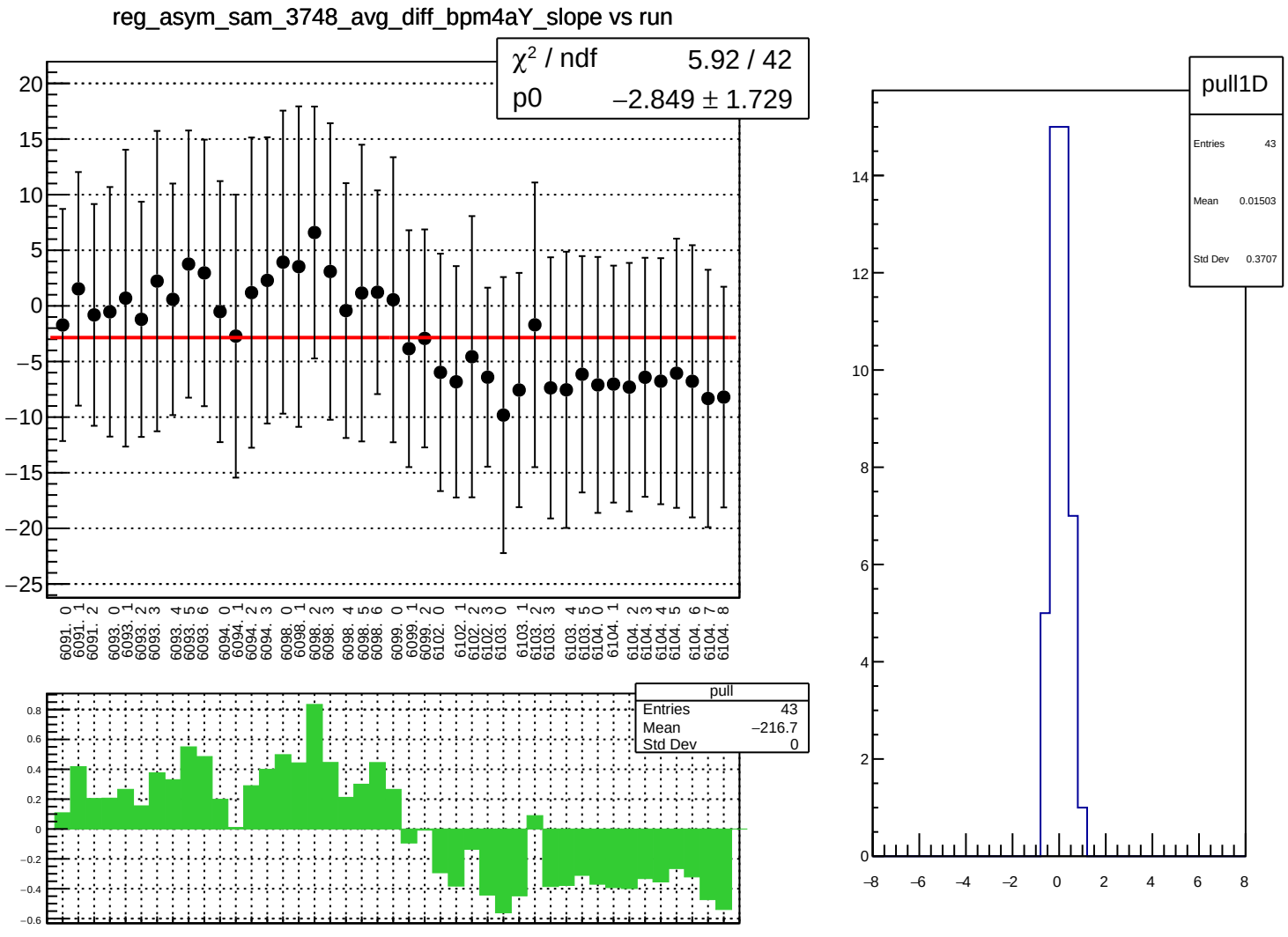

reg_asym_sam_1548_avg_diff_bpm4eX_slope vs run
χ² / ndf 1.936 / 42
p0 −58.59 ± 1.416
−40
−45
−50
−55
−60
−65
−70
−75
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean −256.3
Std Dev 0
0.8
0.6
0.4
0.2
0
−0.2
−0.4

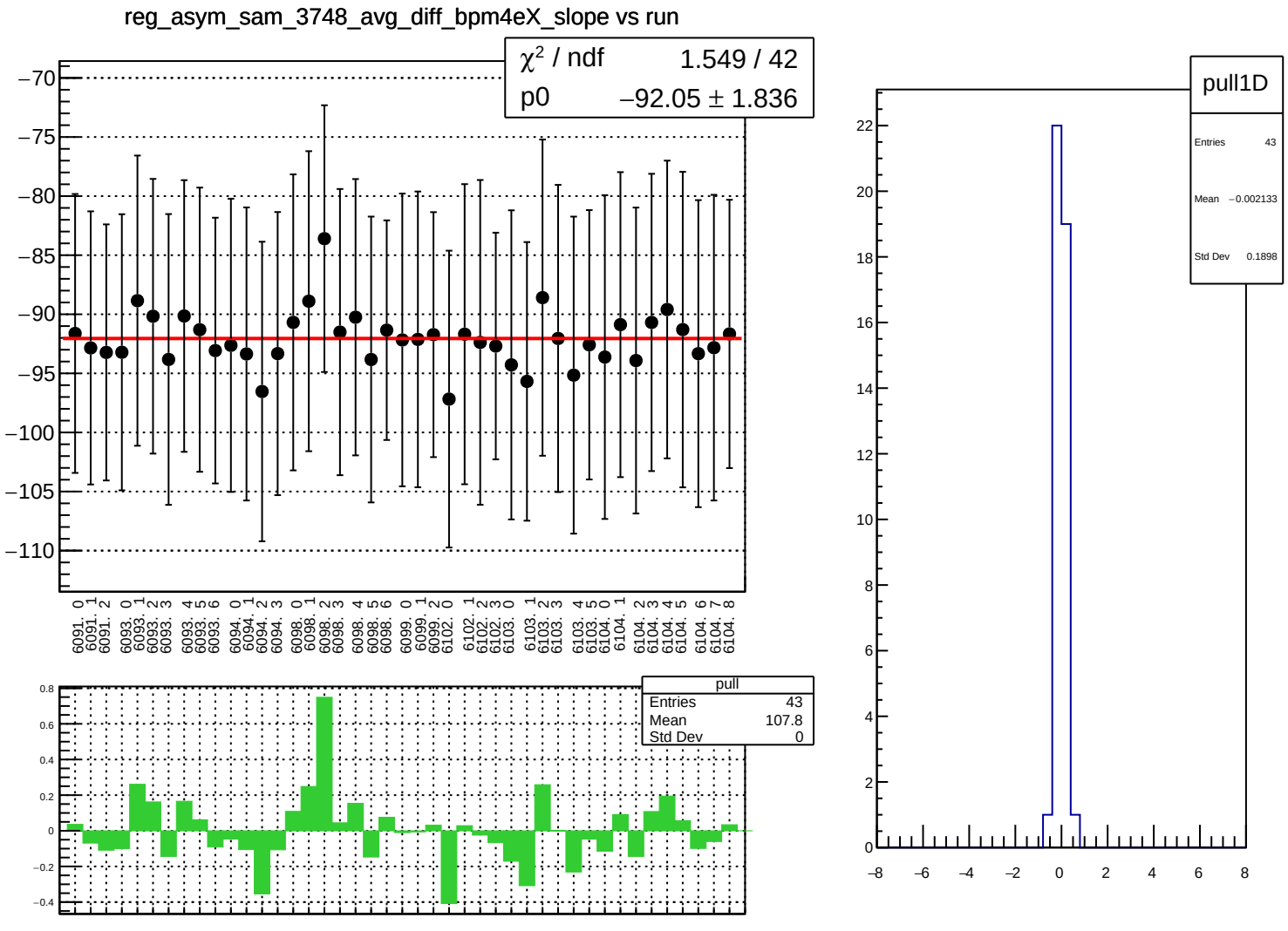

pull1D
Entries 43
Mean −0.002291
Std Dev 0.2122
22
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

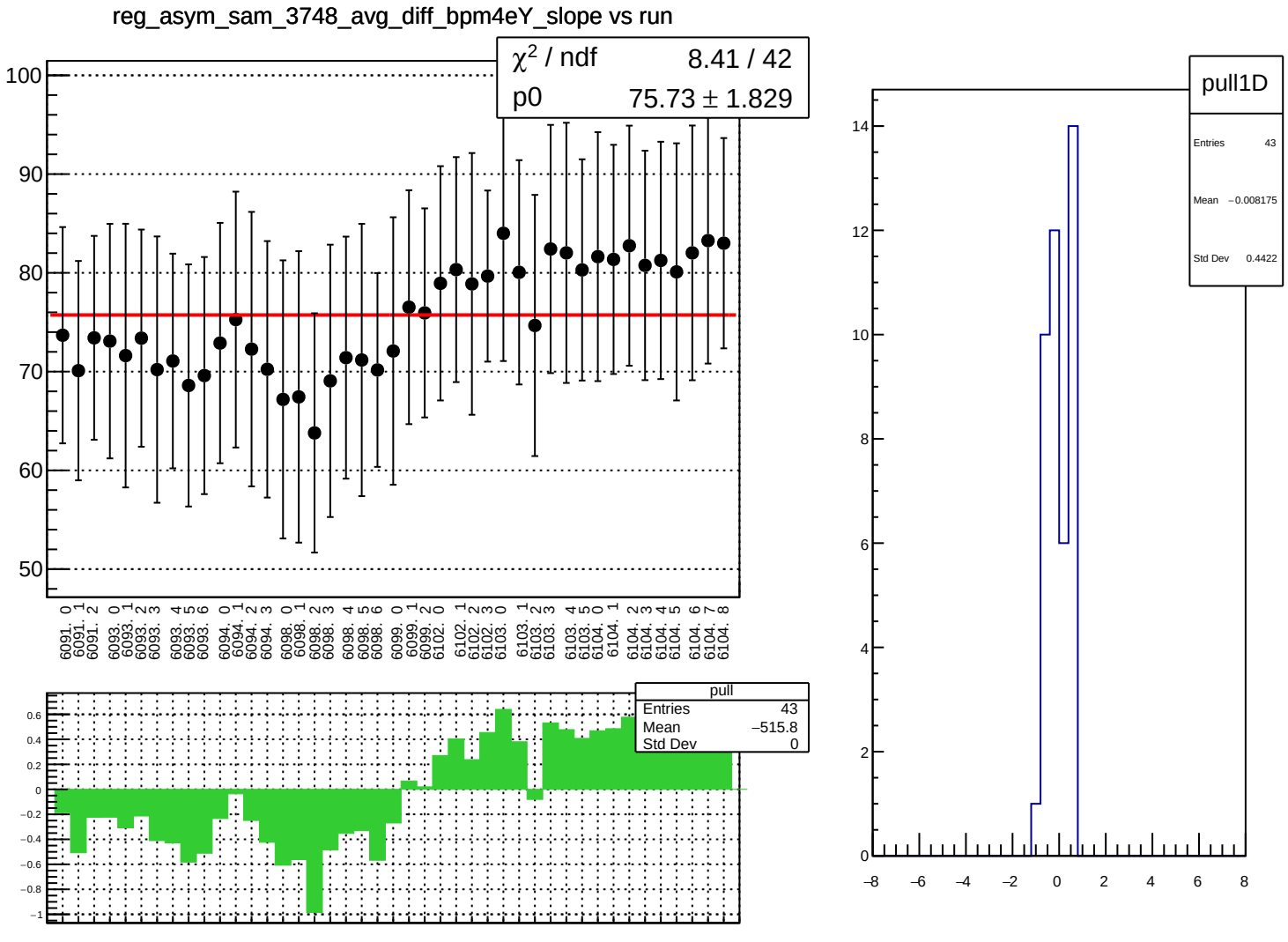

reg_asym_sam_1548_avg_diff_bpm4eY_slope vs run
χ² / ndf 7.67 / 42
p0 104.5 ± 1.414
125
120
115
110
105
100
95
90
85
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean −275.4
Std Dev 0
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
−1
pull1D
Entries 43
Mean −0.006086
Std Dev 0.4223
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

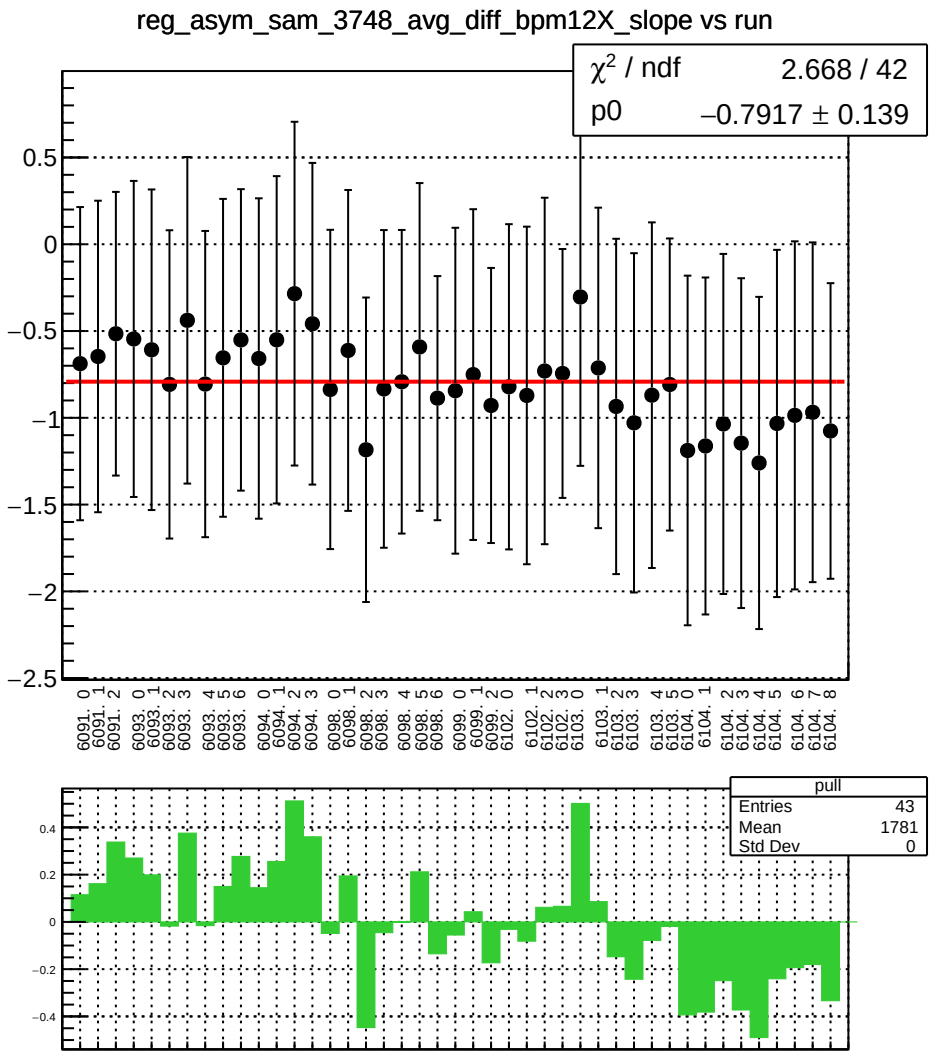

reg_asym_sam_1548_avg_diff_bpm12X_slope vs run
χ² / ndf 4.262 / 42
p0 −0.5614 ± 0.1071
0.5
0
−0.5
−1
−1.5
−2
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean −2788
Std Dev 0
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
pull1D
Entries 43
Mean 0.0009996
Std Dev 0.3148
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

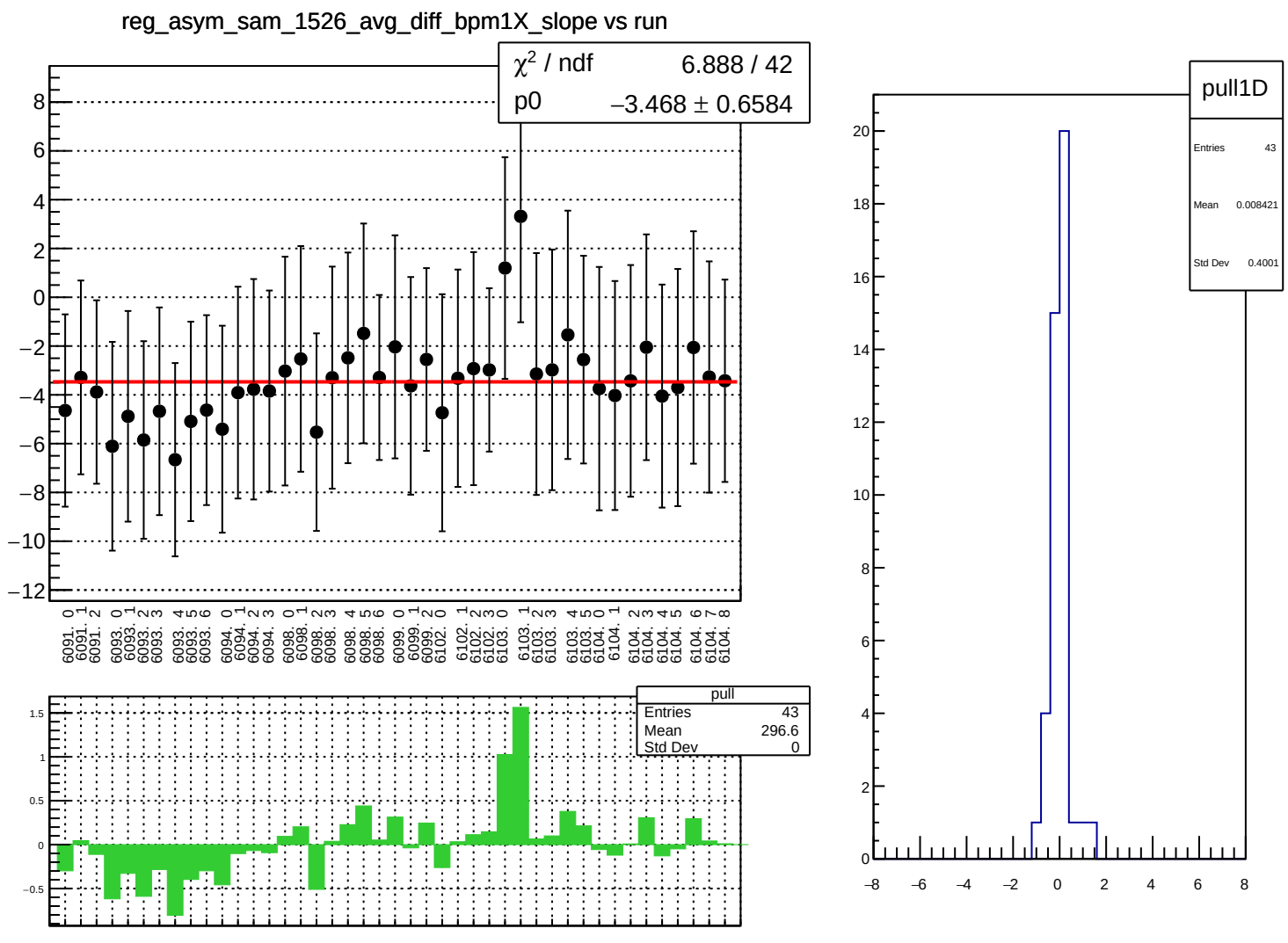

reg_asym_sam_3748_avg_diff_bpm1X_slope vs run
χ² / ndf 1.072 / 42
p0 −5.735 ± 1.503
pull
Entries 43
Mean 263.6
Std Dev 0
pull1D
Entries 43
Mean −0.0003738
Std Dev 0.1579

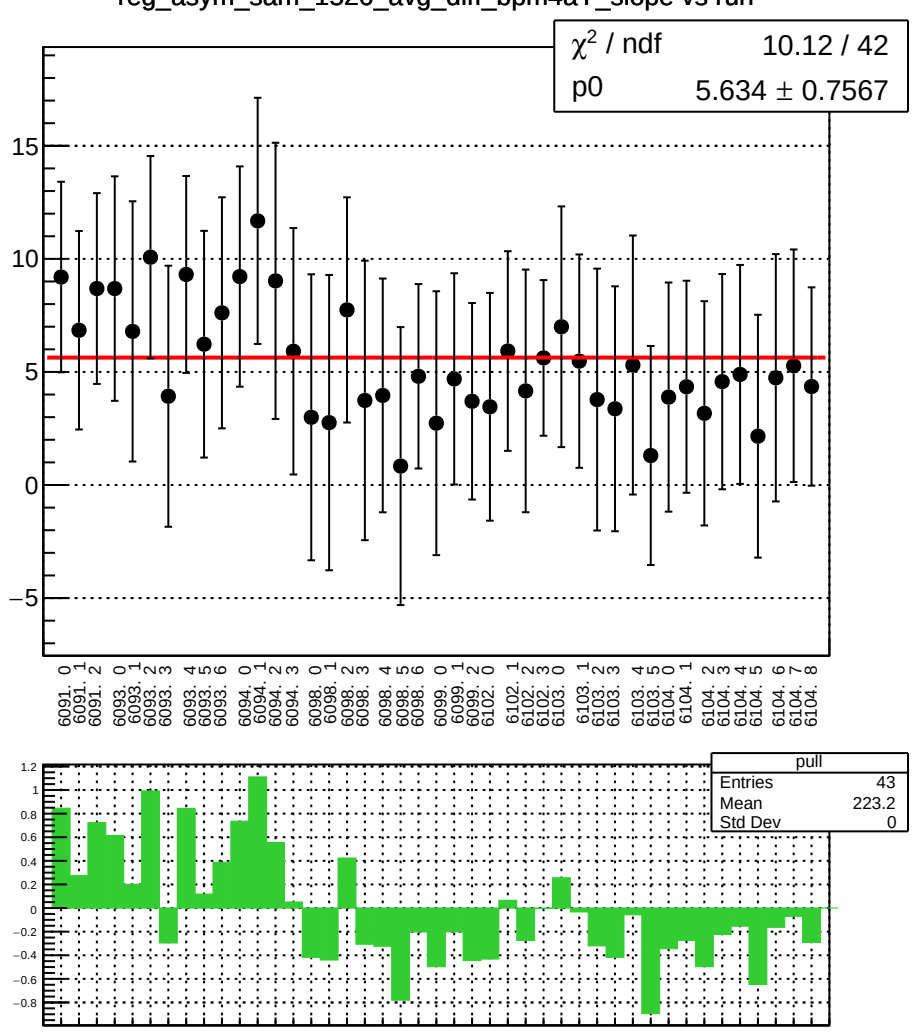

reg_asym_sam_3748_avg_diff_bpm4aY_slope vs run
χ² / ndf 5.92 / 42
p0 −2.849 ± 1.729
pull
Entries 43
Mean −216.7
Std Dev 0
pull1D
Entries 43
Mean 0.01503
Std Dev 0.3707

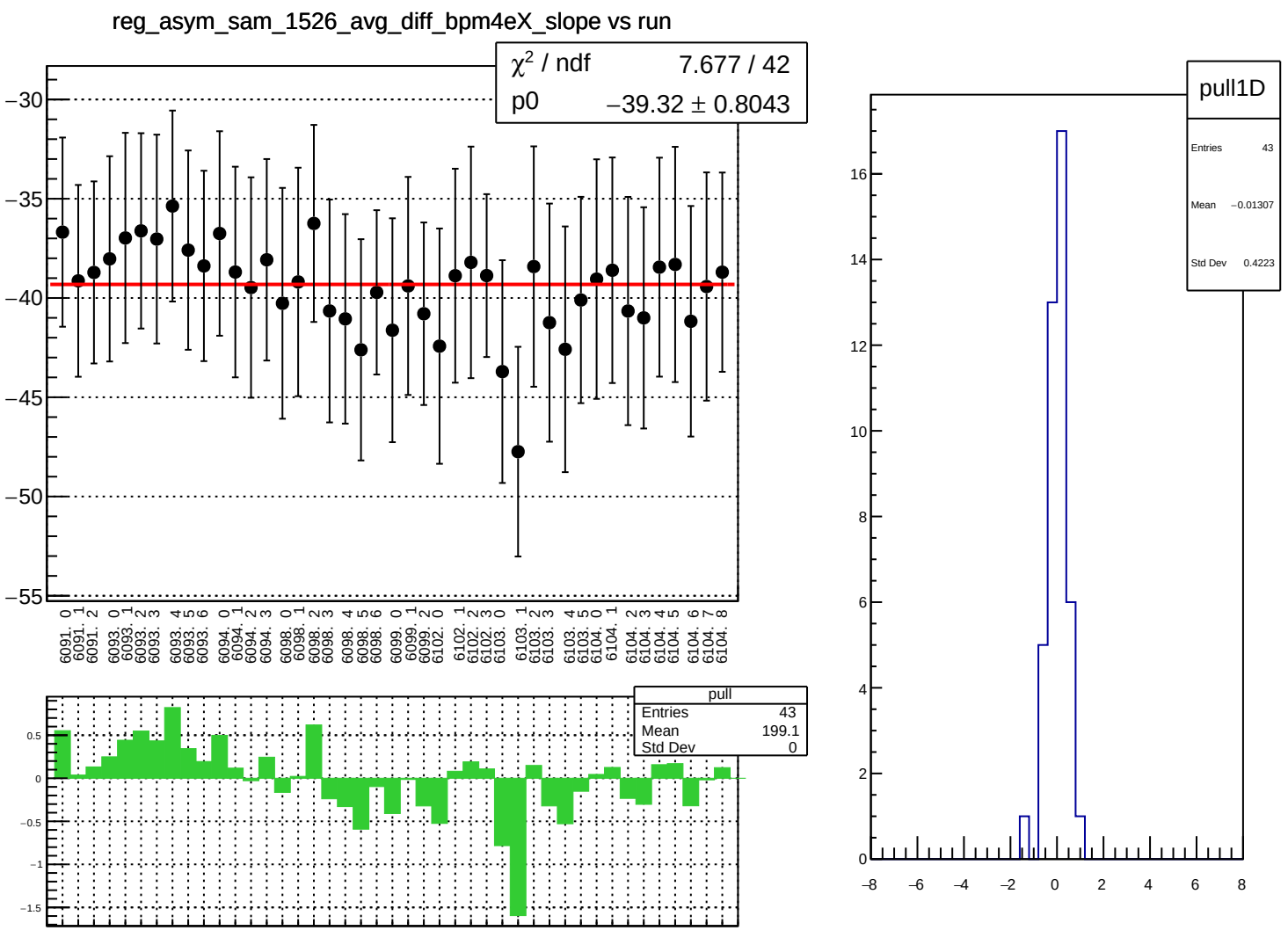

reg_asym_sam_3748_avg_diff_bpm4eX_slope vs run
χ² / ndf 1.549 / 42
p0 −92.05 ± 1.836
pull
Entries 43
Mean 107.8
Std Dev 0
pull1D
Entries 43
Mean −0.002133
Std Dev 0.1898

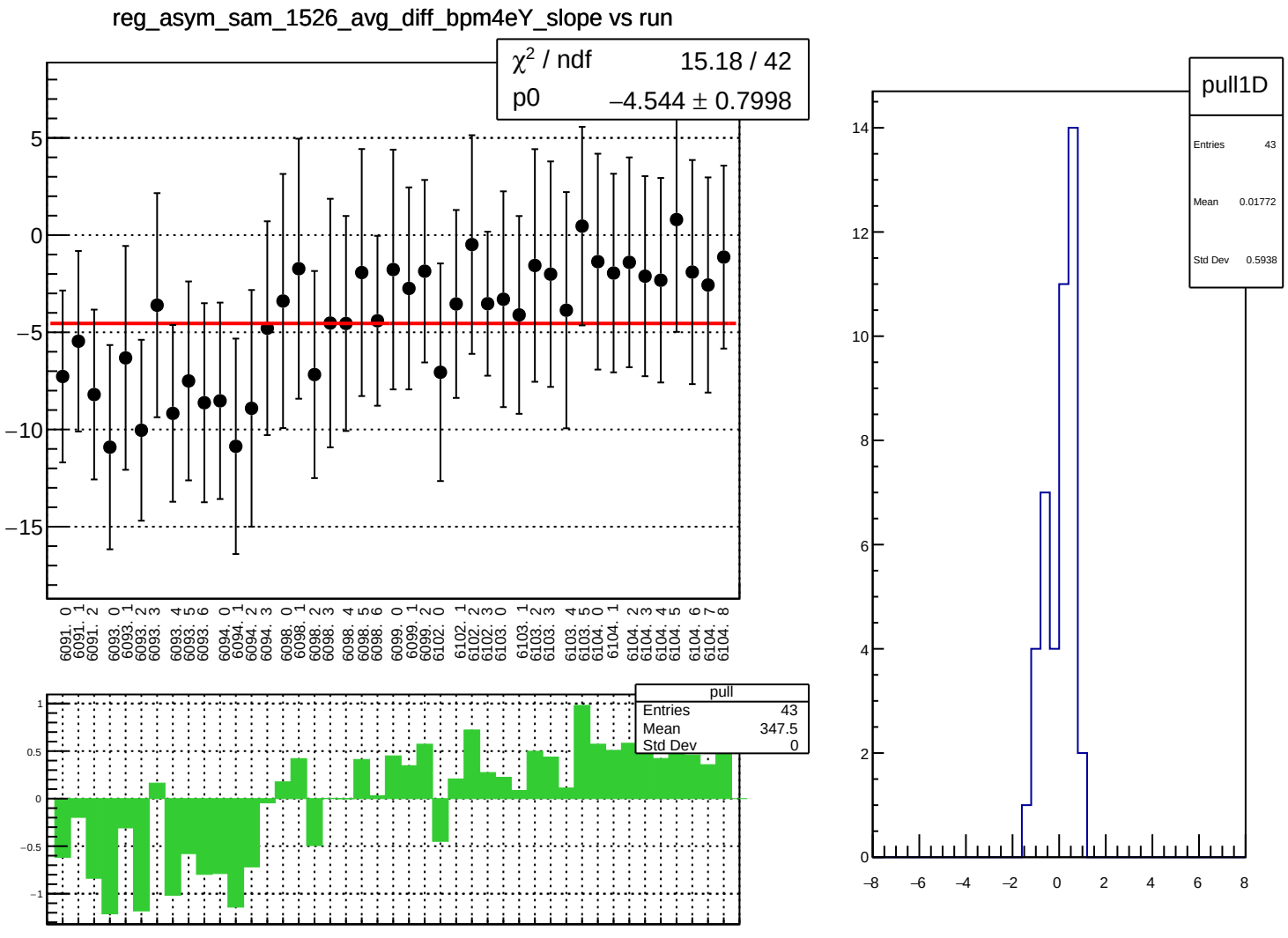

reg_asym_sam_3748_avg_diff_bpm4eY_slope vs run
χ² / ndf 8.41 / 42
p0 75.73 ± 1.829
pull
Entries 43
Mean −515.8
Std Dev 0
pull1D
Entries 43
Mean −0.008175
Std Dev 0.4422

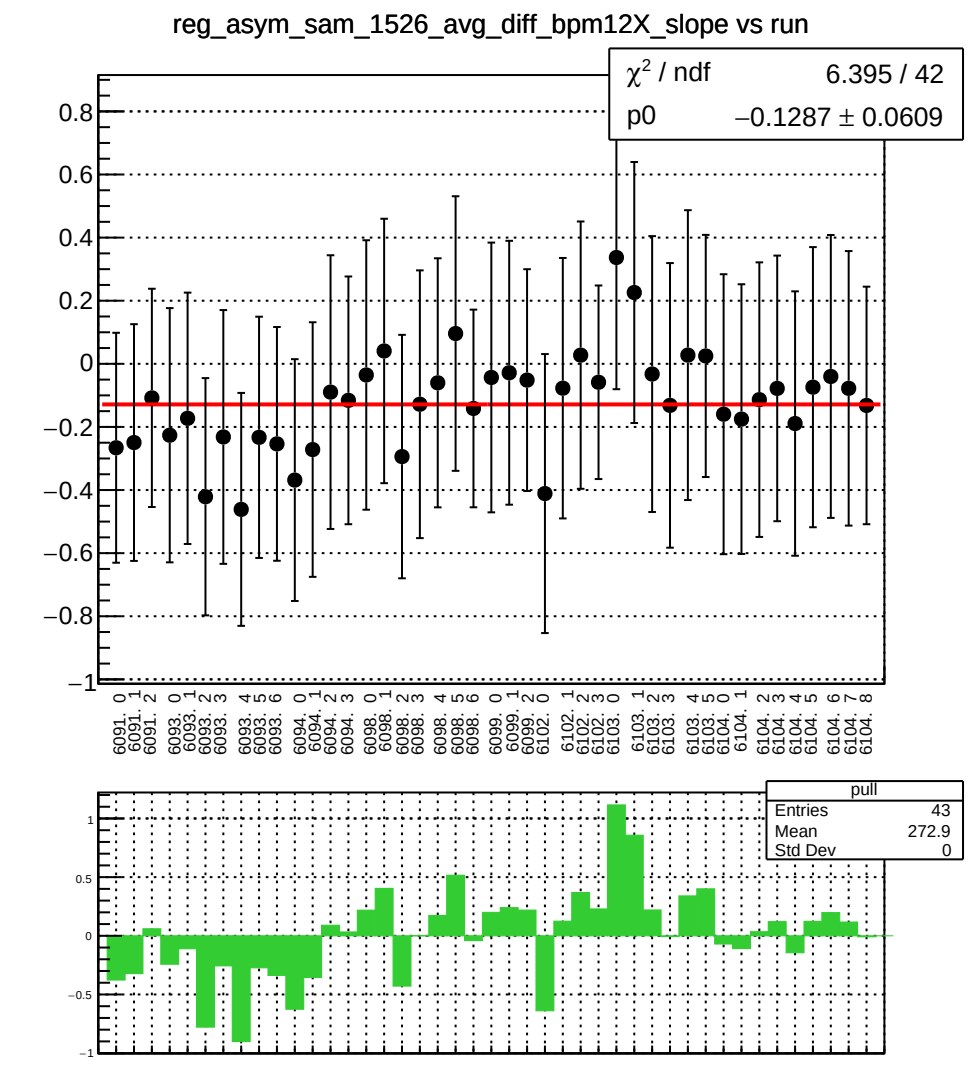

reg_asym_sam_3748_avg_diff_bpm12X_slope vs run
χ² / ndf 2.668 / 42
p0 −0.7917 ± 0.139
pull
Entries 43
Mean 1781
Std Dev 0
pull1D
Entries 43
Mean −0.001174
Std Dev 0.2491

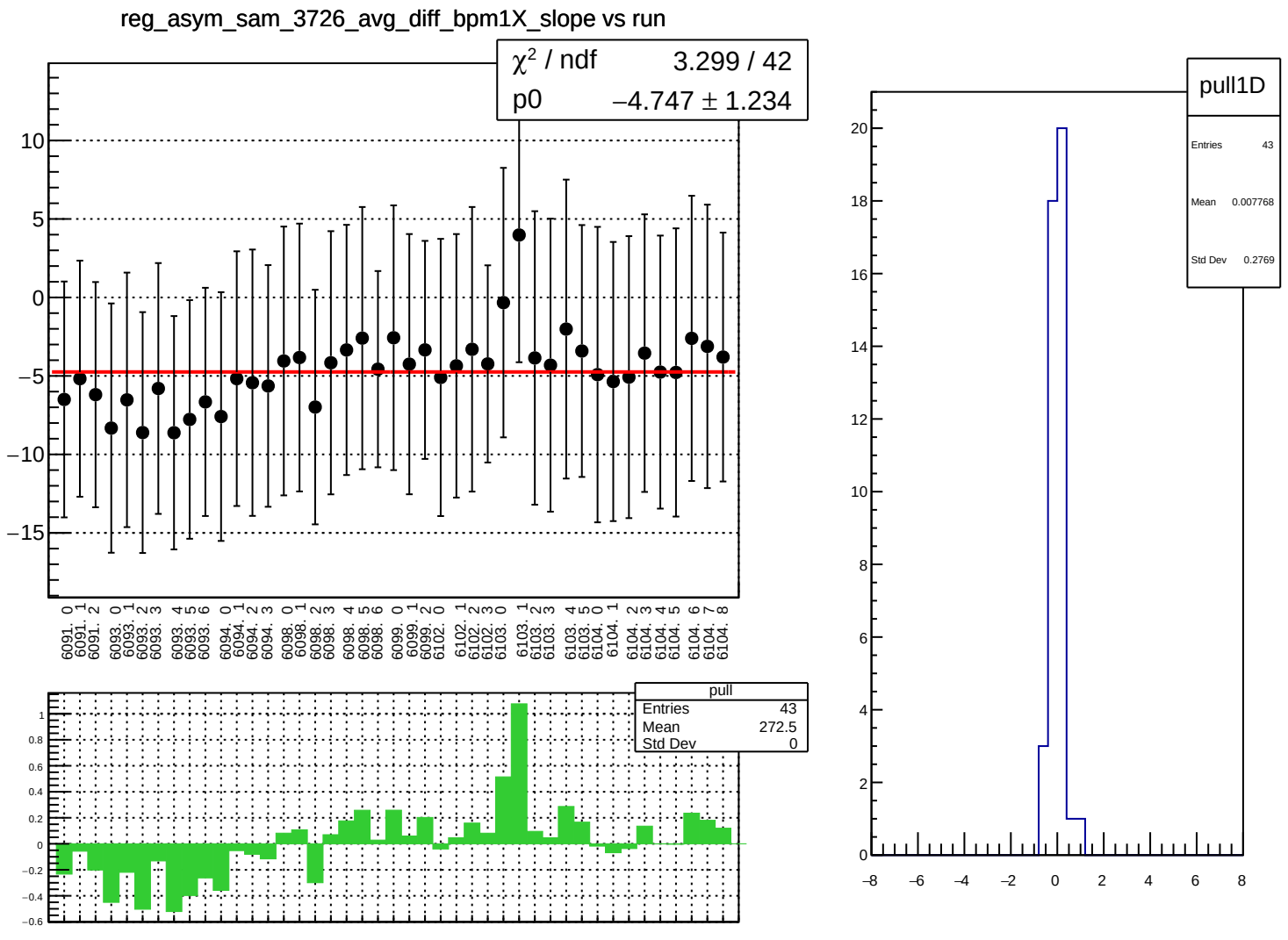

reg_asym_sam_1526_avg_diff_bpm1X_slope vs run
χ² / ndf 6.888 / 42
p0 −3.468 ± 0.6584
pull
Entries 43
Mean 296.6
Std Dev 0
pull1D
Entries 43
Mean 0.008421
Std Dev 0.4001

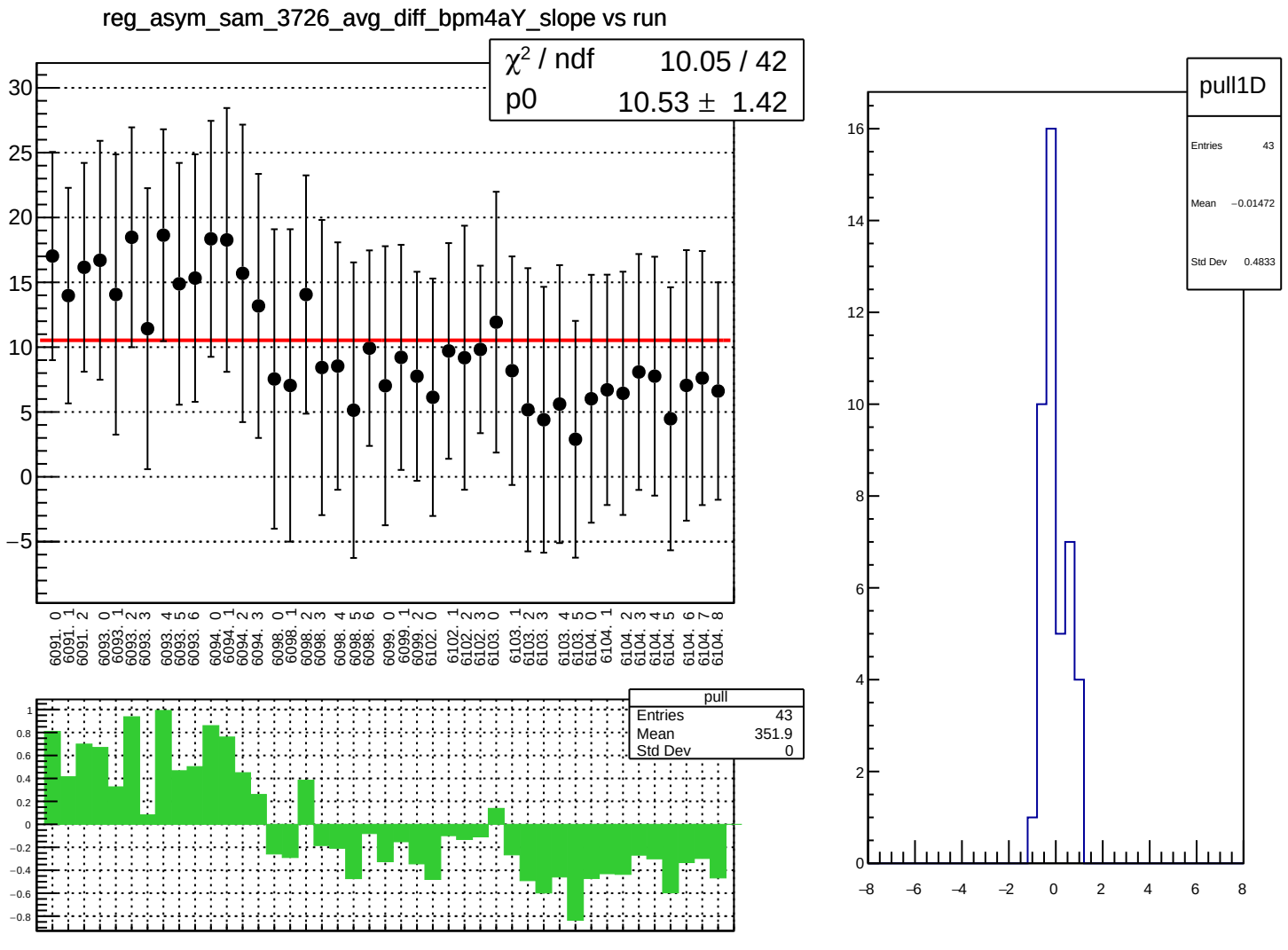

reg_asym_sam_1526_avg_diff_bpm4aY_slope vs run
χ² / ndf 10.12 / 42
p0 5.634 ± 0.7567
pull
Entries 43
Mean 223.2
Std Dev 0
pull1D
Entries 43
Mean −0.01878
Std Dev 0.4847

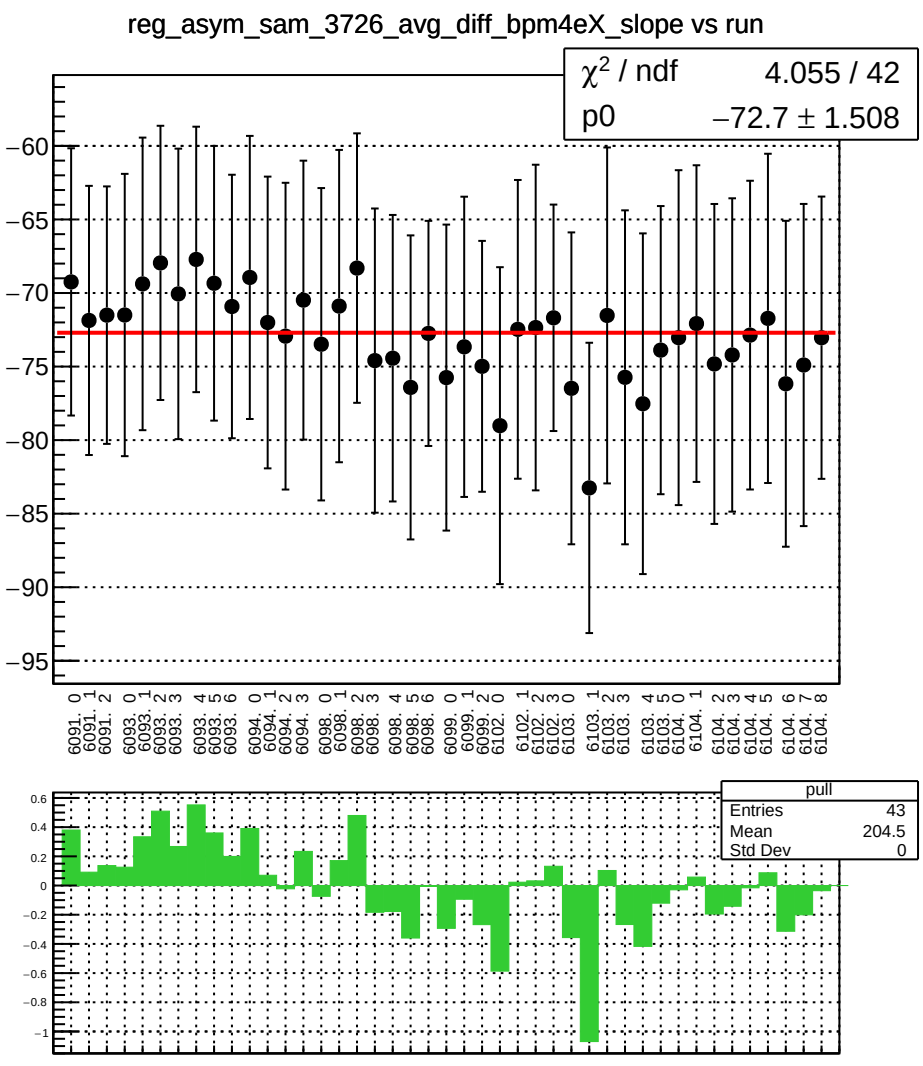

reg_asym_sam_1526_avg_diff_bpm4eX_slope vs run
χ² / ndf 7.677 / 42
p0 −39.32 ± 0.8043
−30
−35
−40
−45
−50
−55
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 199.1
Std Dev 0
0.5
0
−0.5
−1
−1.5
pull1D
Entries 43
Mean −0.01307
Std Dev 0.4223
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

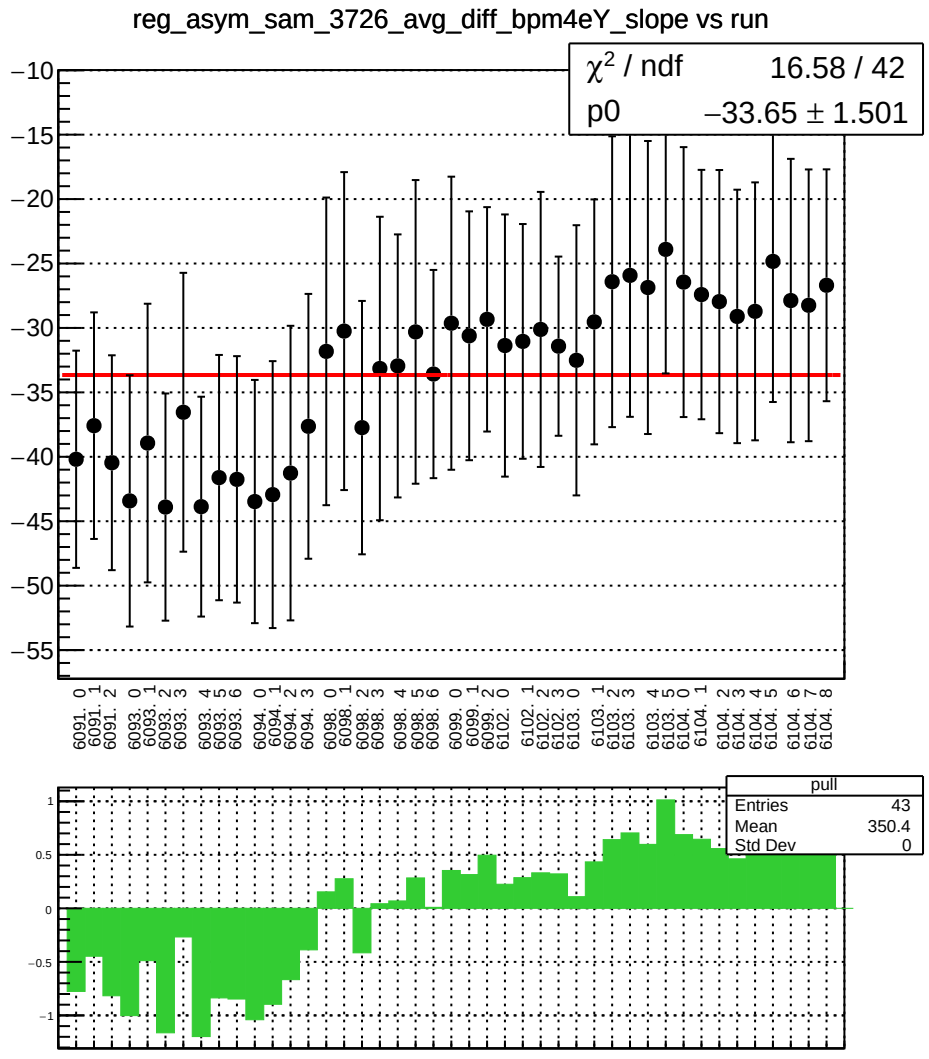

reg_asym_sam_1526_avg_diff_bpm4eY_slope vs run
χ² / ndf 15.18 / 42
p0 −4.544 ± 0.7998
pull
Entries 43
Mean 347.5
Std Dev 0
pull1D
Entries 43
Mean 0.01772
Std Dev 0.5938

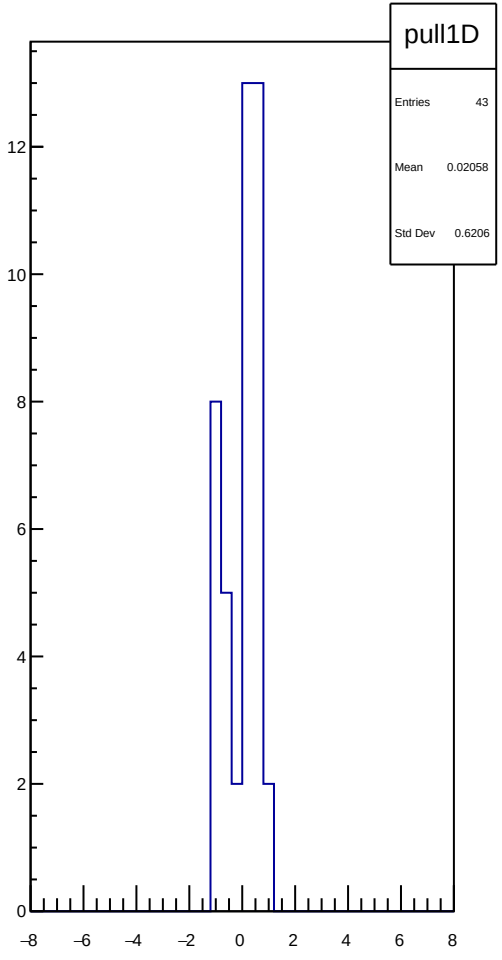

reg_asym_sam_1526_avg_diff_bpm12X_slope vs run
χ² / ndf 6.395 / 42
p0 −0.1287 ± 0.0609
pull
Entries 43
Mean 272.9
Std Dev 0
pull1D
Entries 43
Mean 0.008816
Std Dev 0.3855

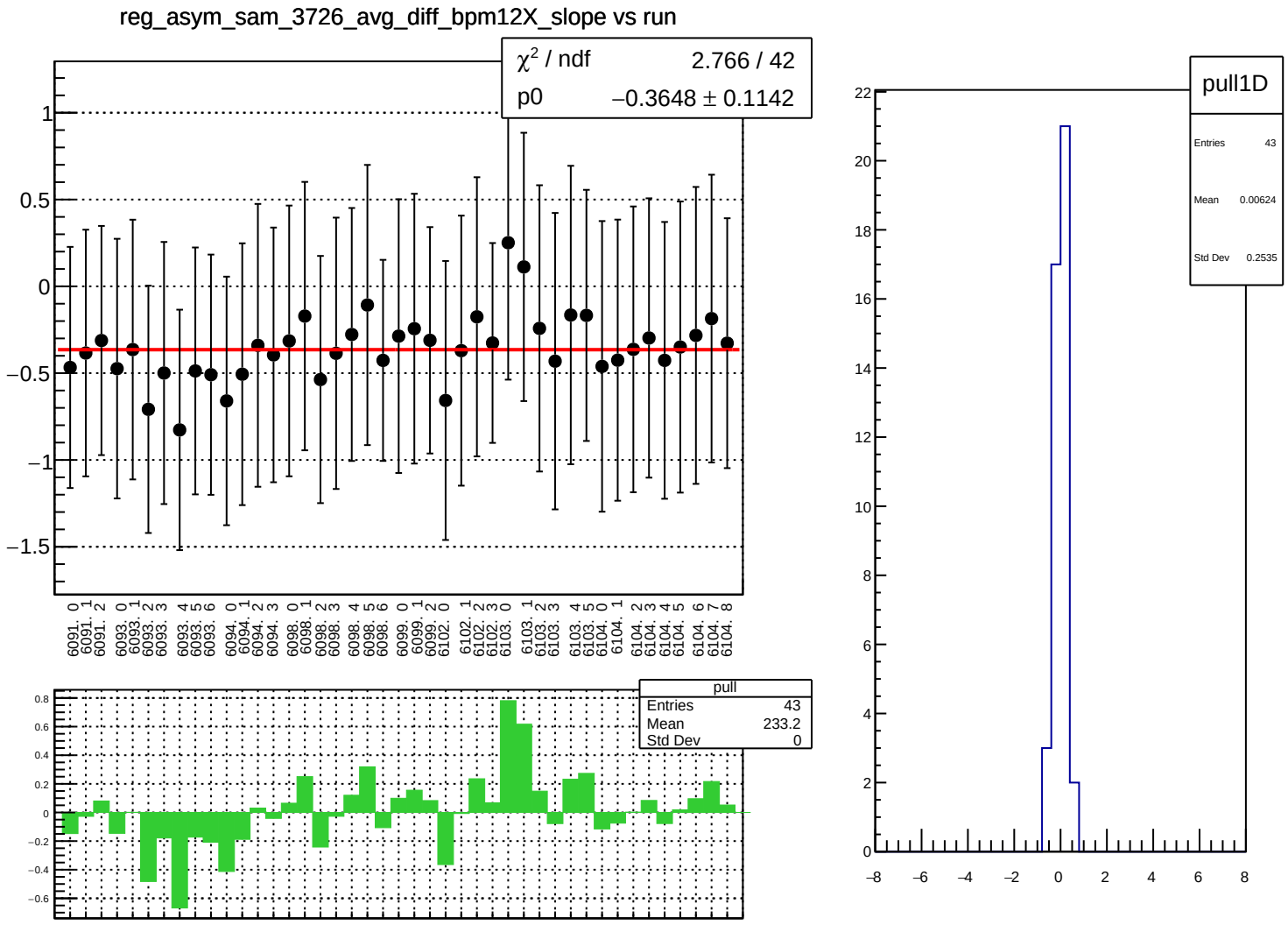

reg_asym_sam_3726_avg_diff_bpm1X_slope vs run
χ² / ndf 3.299 / 42
p0 −4.747 ± 1.234
10
5
0
−5
−10
−15
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 272.5
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
pull1D
Entries 43
Mean 0.007768
Std Dev 0.2769
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

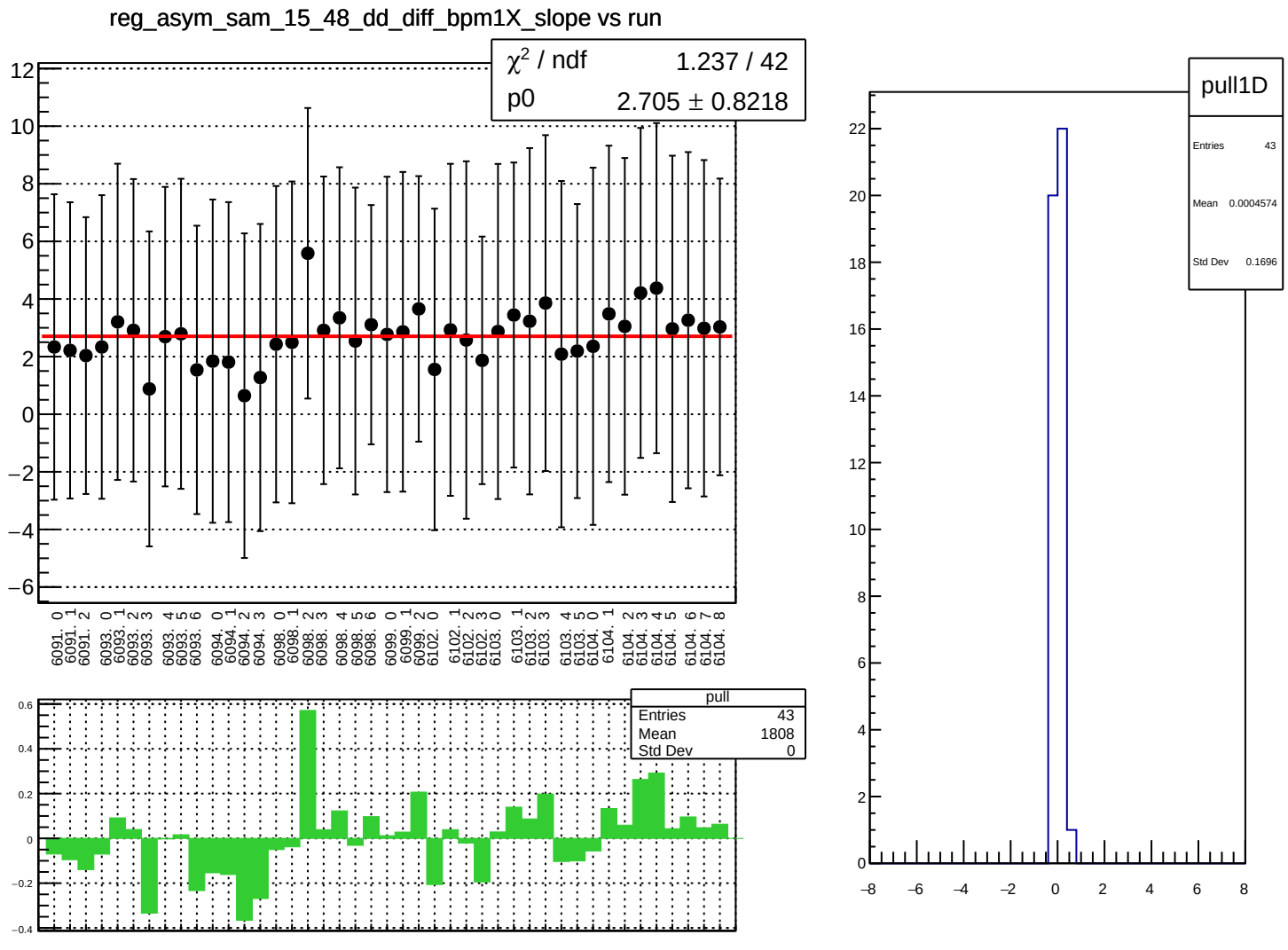

reg_asym_sam_3726_avg_diff_bpm4aY_slope vs run
χ² / ndf 10.05 / 42
p0 10.53 ± 1.42
pull
Entries 43
Mean 351.9
Std Dev 0
pull1D
Entries 43
Mean −0.01472
Std Dev 0.4833

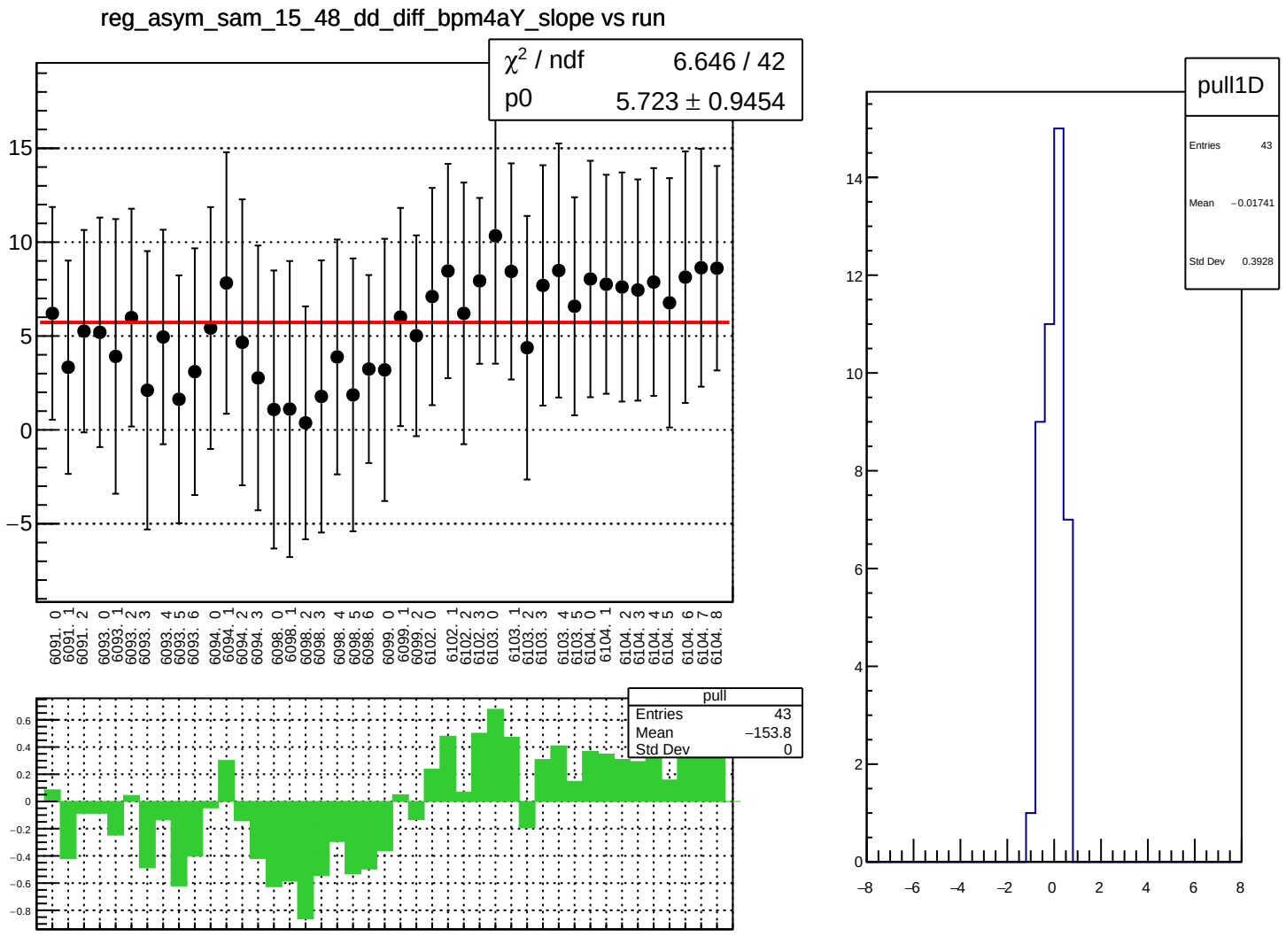

reg_asym_sam_3726_avg_diff_bpm4eX_slope vs run
χ² / ndf 4.055 / 42
p0 −72.7 ± 1.508
−60
−65
−70
−75
−80
−85
−90
−95
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 204.5
Std Dev 0
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
−1
pull1D
Entries 43
Mean −0.01134
Std Dev 0.3069
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

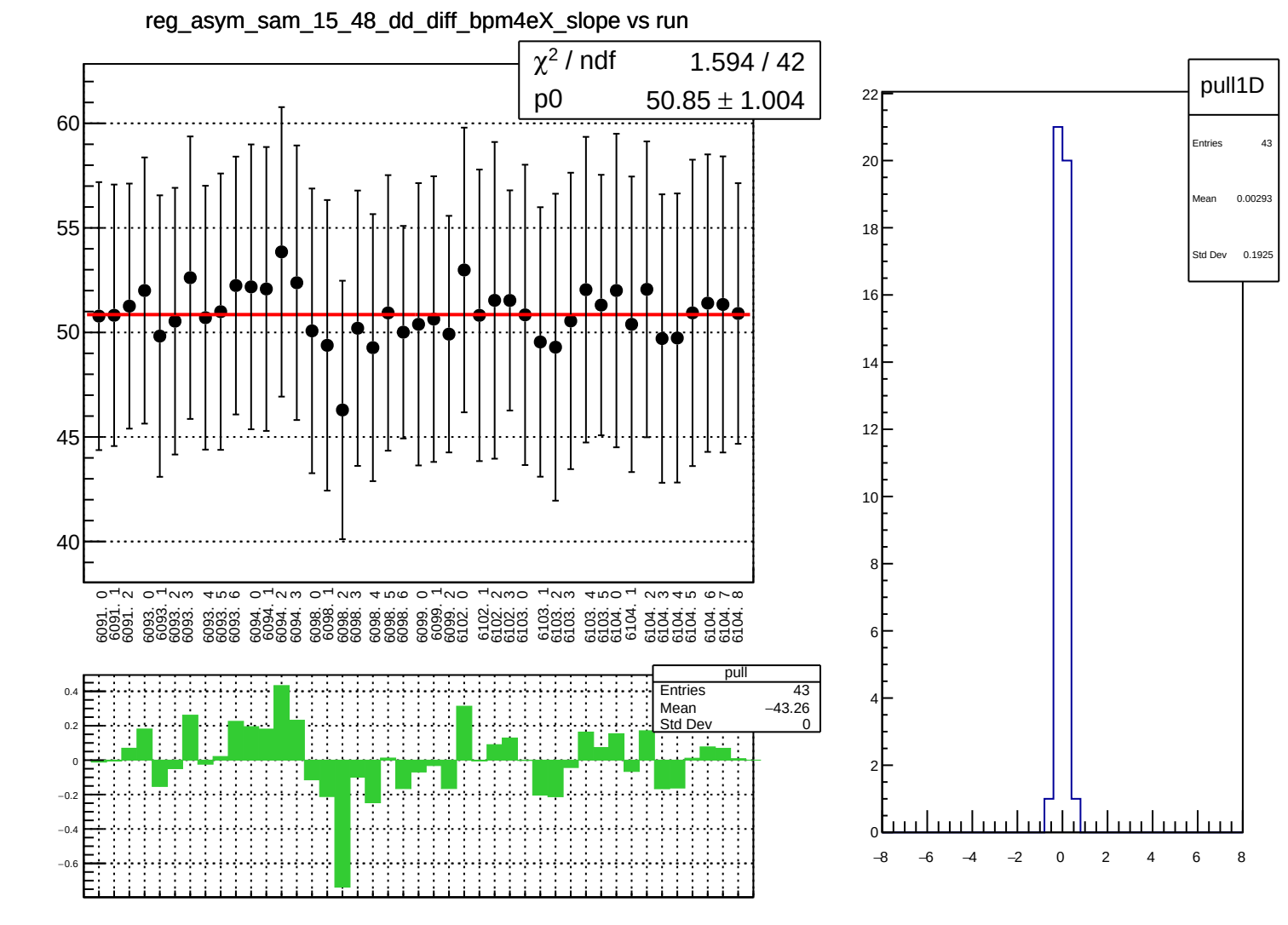

reg_asym_sam_3726_avg_diff_bpm4eY_slope vs run
χ² / ndf 16.58 / 42
p0 −33.65 ± 1.501
pull
Entries 43
Mean 350.4
Std Dev 0

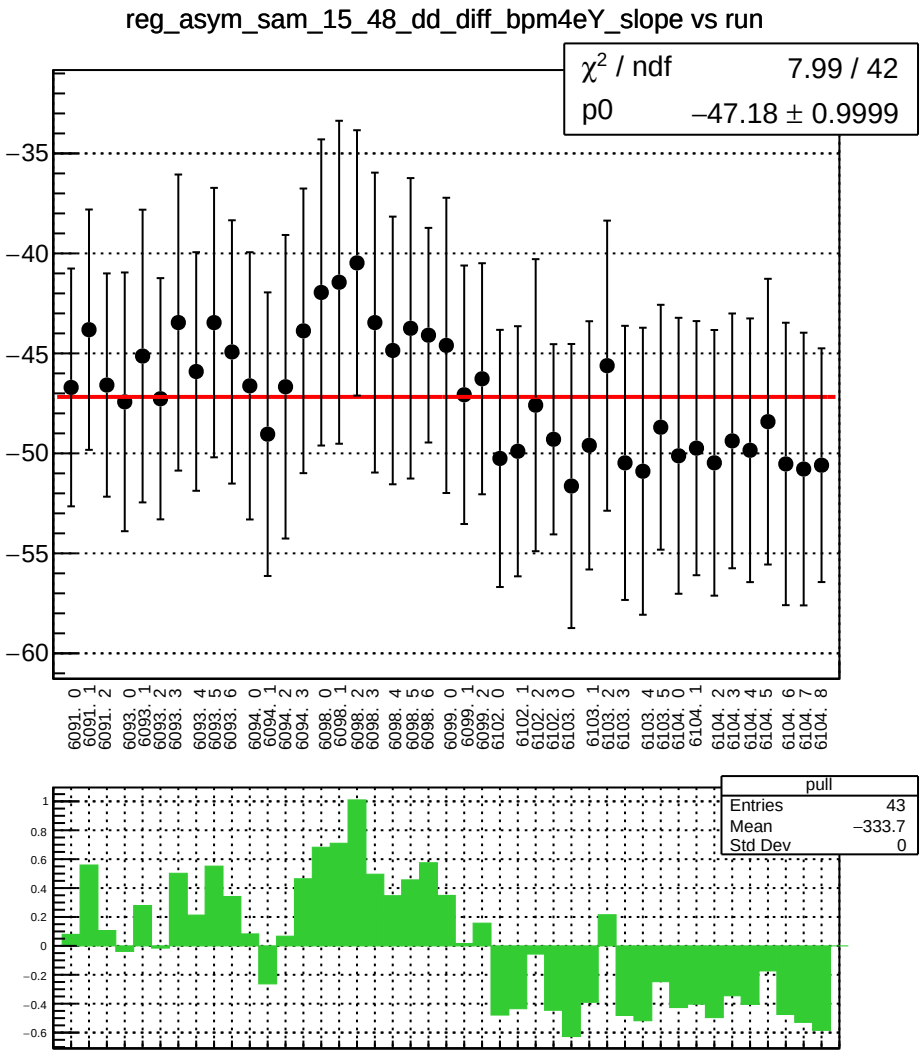

pull1D
Entries 43
Mean 0.02058
Std Dev 0.6206

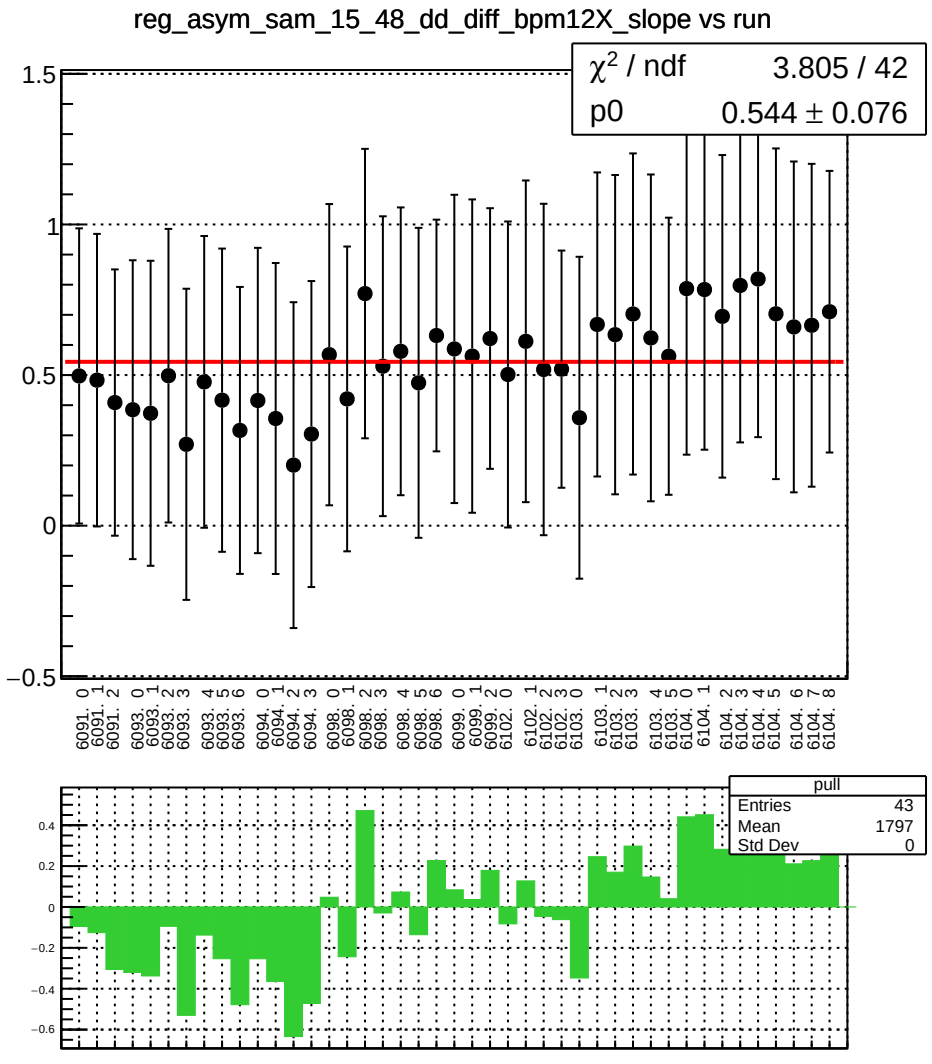

reg_asym_sam_3726_avg_diff_bpm12X_slope vs run
χ² / ndf 2.766 / 42
p0 −0.3648 ± 0.1142
pull
Entries 43
Mean 233.2
Std Dev 0
pull1D
Entries 43
Mean 0.00624
Std Dev 0.2535

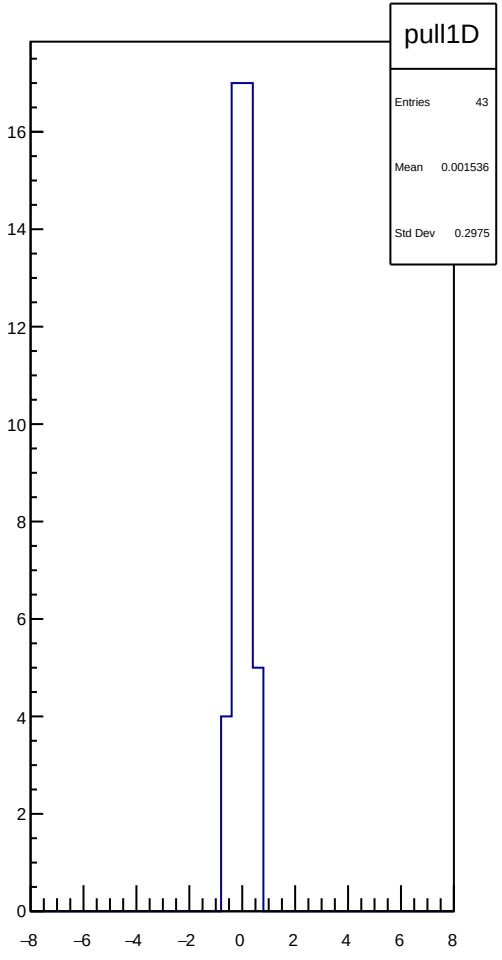

reg_asym_sam_15_48_dd_diff_bpm1X_slope vs run
χ² / ndf 1.237 / 42
p0 2.705 ± 0.8218
pull
Entries 43
Mean 1808
Std Dev 0
pull1D
Entries 43
Mean 0.0004574
Std Dev 0.1696

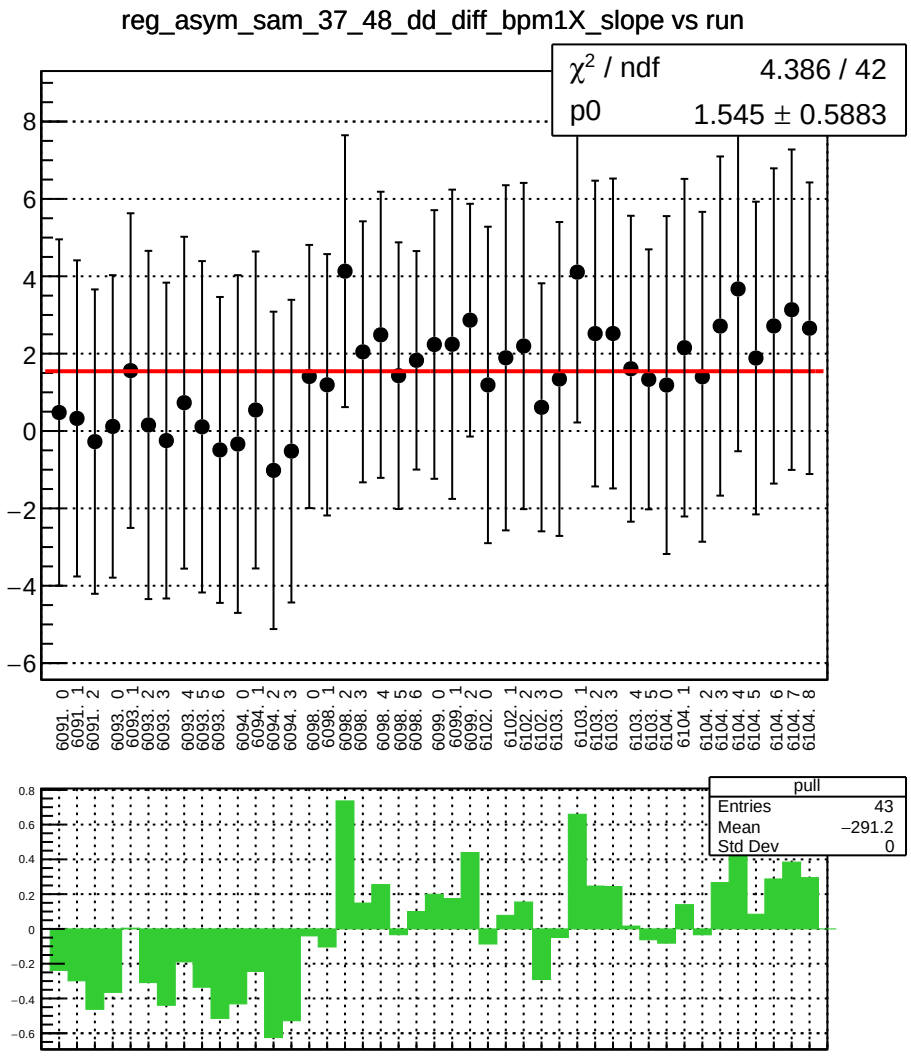

reg_asym_sam_15_48_dd_diff_bpm4aY_slope vs run
χ² / ndf 6.646 / 42
p0 5.723 ± 0.9454
15
10
5
0
−5
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean −153.8
Std Dev 0
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
pull1D
Entries 43
Mean −0.01741
Std Dev 0.3928
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

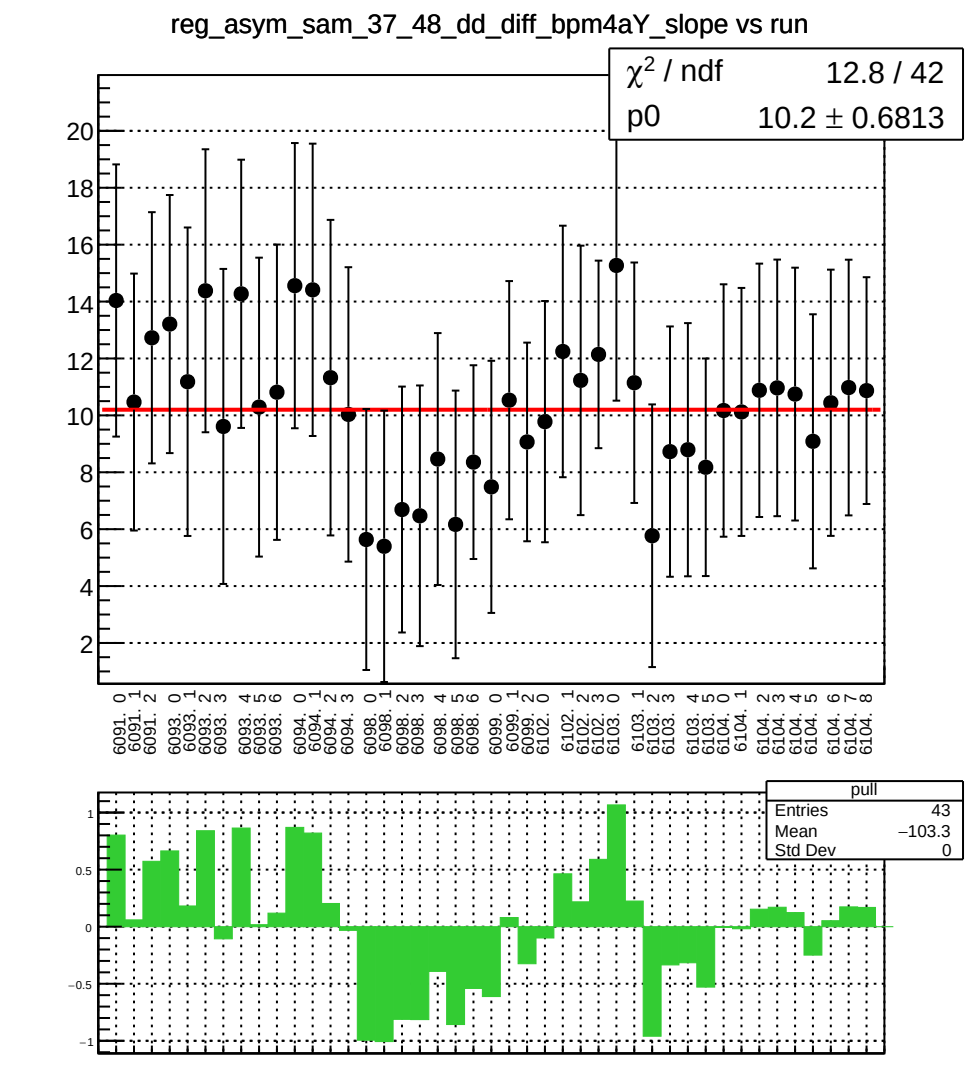

reg_asym_sam_15_48_dd_diff_bpm4eX_slope vs run
χ² / ndf 1.594 / 42
p0 50.85 ± 1.004
pull
Entries 43
Mean −43.26
Std Dev 0
pull1D
Entries 43
Mean 0.00293
Std Dev 0.1925

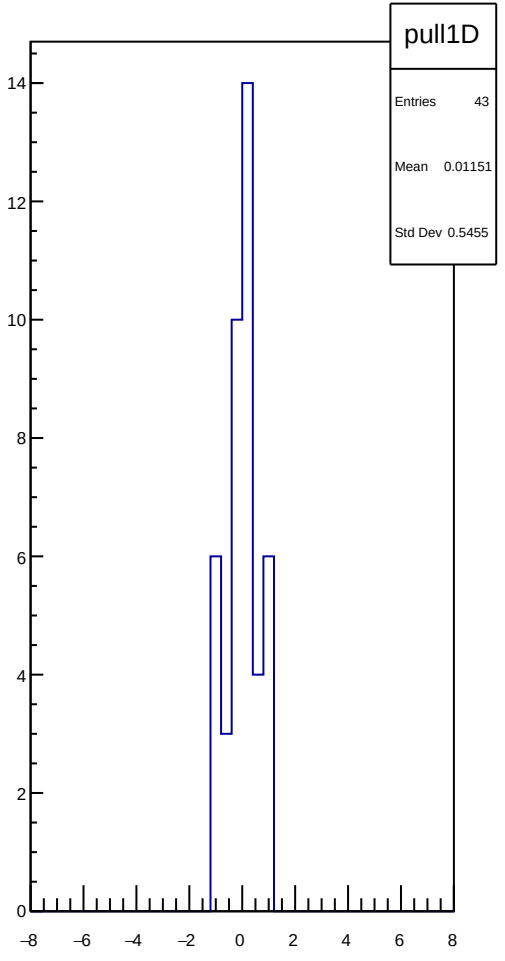

reg_asym_sam_15_48_dd_diff_bpm4eY_slope vs run
χ² / ndf 7.99 / 42
p0 −47.18 ± 0.9999
−35
−40
−45
−50
−55
−60
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean −333.7
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
pull1D
Entries 43
Mean 0.009988
Std Dev 0.431
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

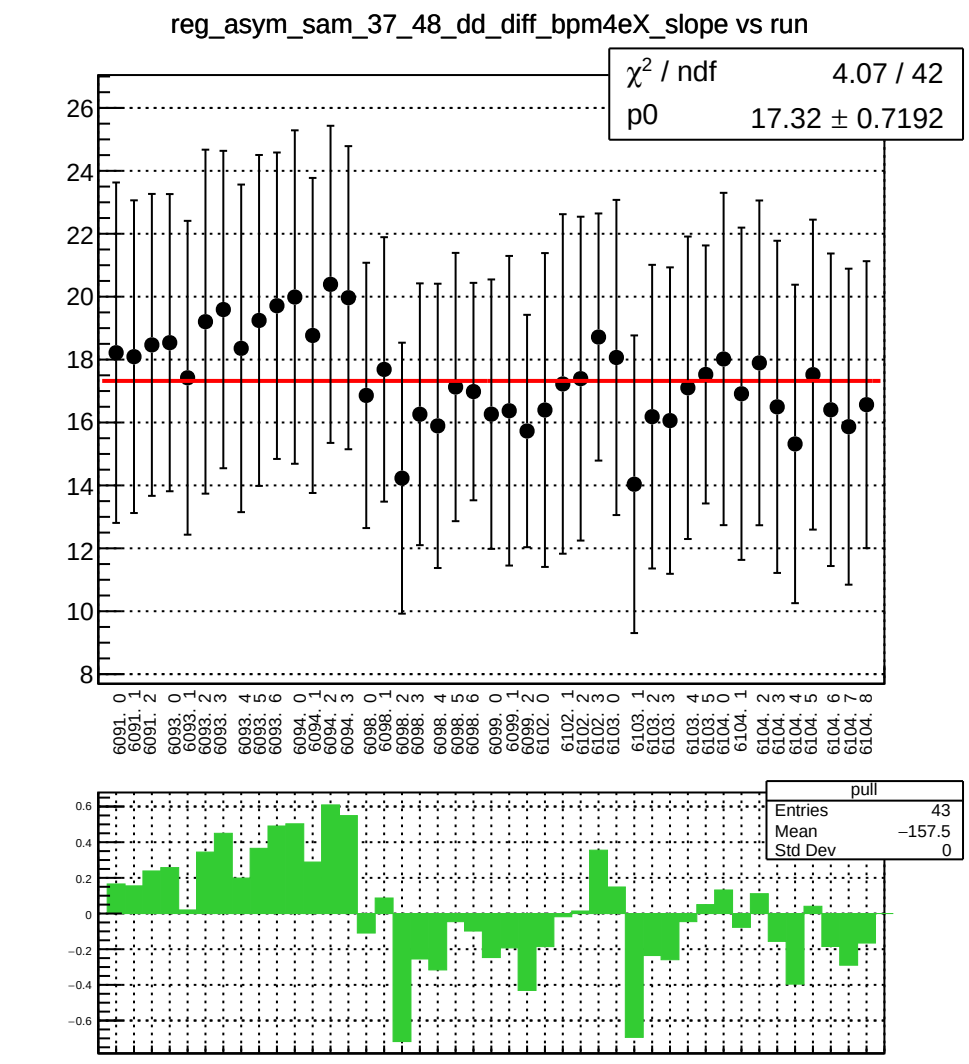

reg_asym_sam_15_48_dd_diff_bpm12X_slope vs run
χ² / ndf 3.805 / 42
p0 0.544 ± 0.076
1.5
1
0.5
0
−0.5
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 1797
Std Dev 0
0.4
0.2
0
−0.2
−0.4
−0.6

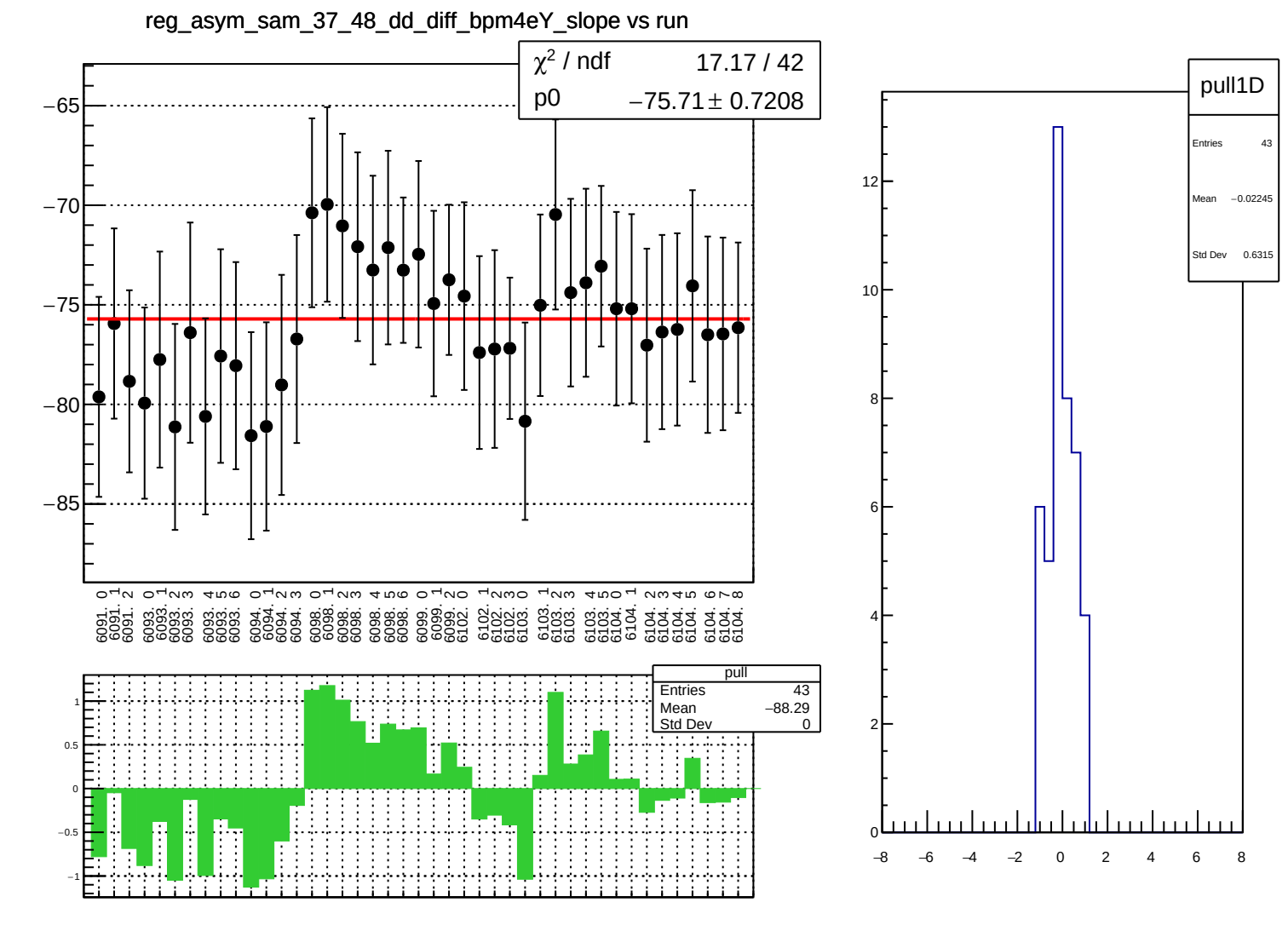

pull1D
Entries 43
Mean 0.001536
Std Dev 0.2975
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

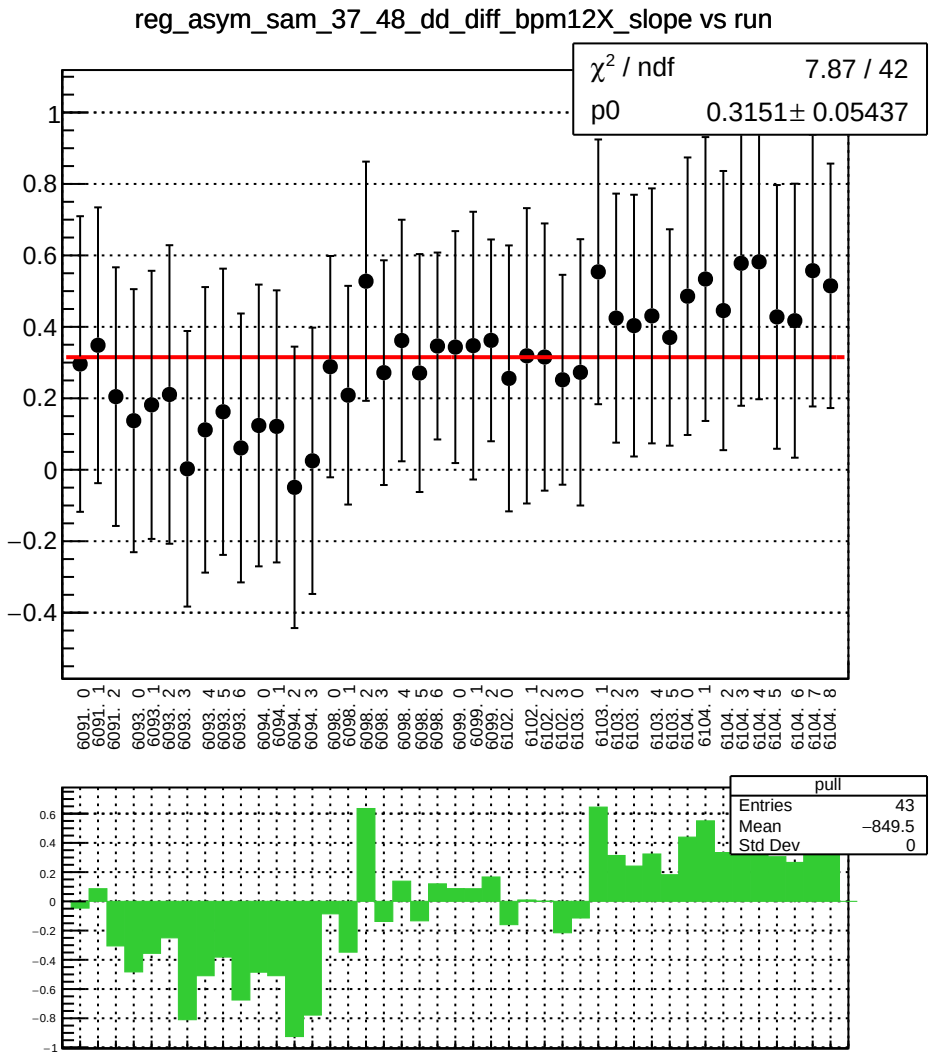

reg_asym_sam_37_48_dd_diff_bpm1X_slope vs run
χ² / ndf 4.386 / 42
p0 1.545 ± 0.5883
pull
Entries 43
Mean −291.2
Std Dev 0
pull1D
Entries 43
Mean −0.007965
Std Dev 0.3193

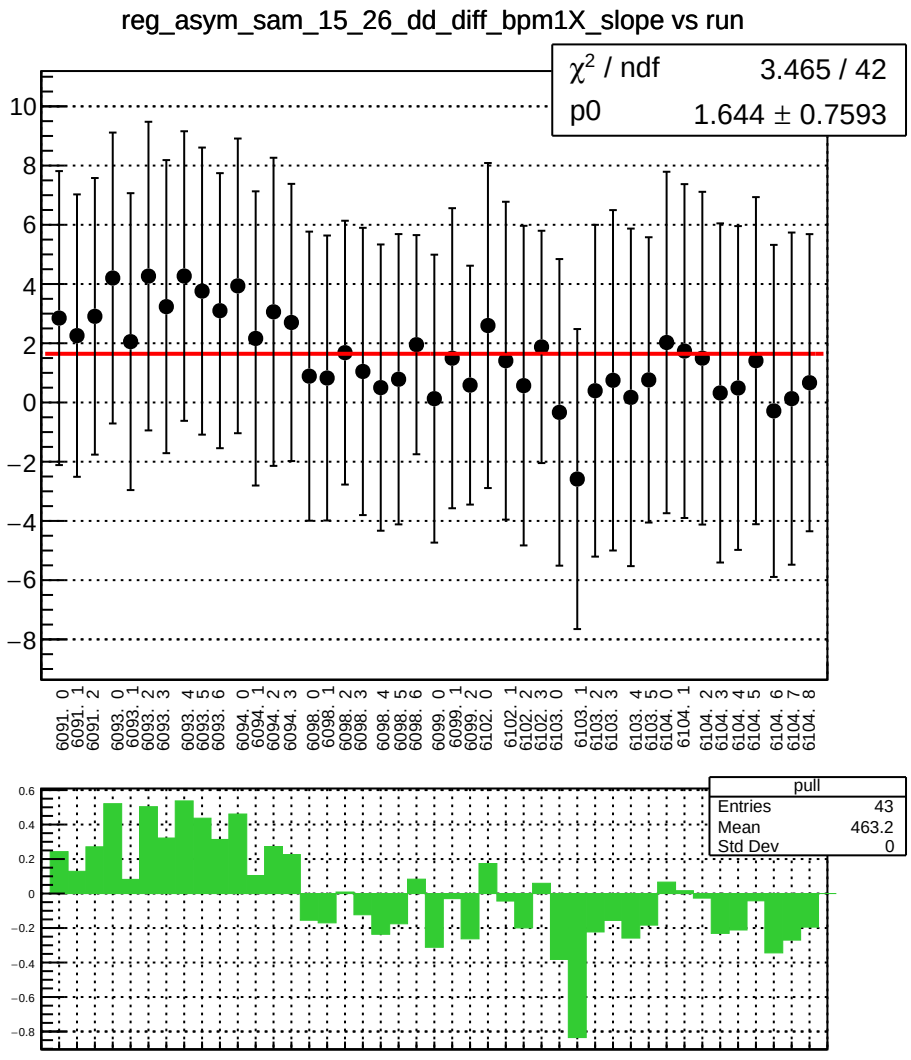

reg_asym_sam_37_48_dd_diff_bpm4aY_slope vs run
χ² / ndf 12.8 / 42
p0 10.2 ± 0.6813
pull
Entries 43
Mean −103.3
Std Dev 0

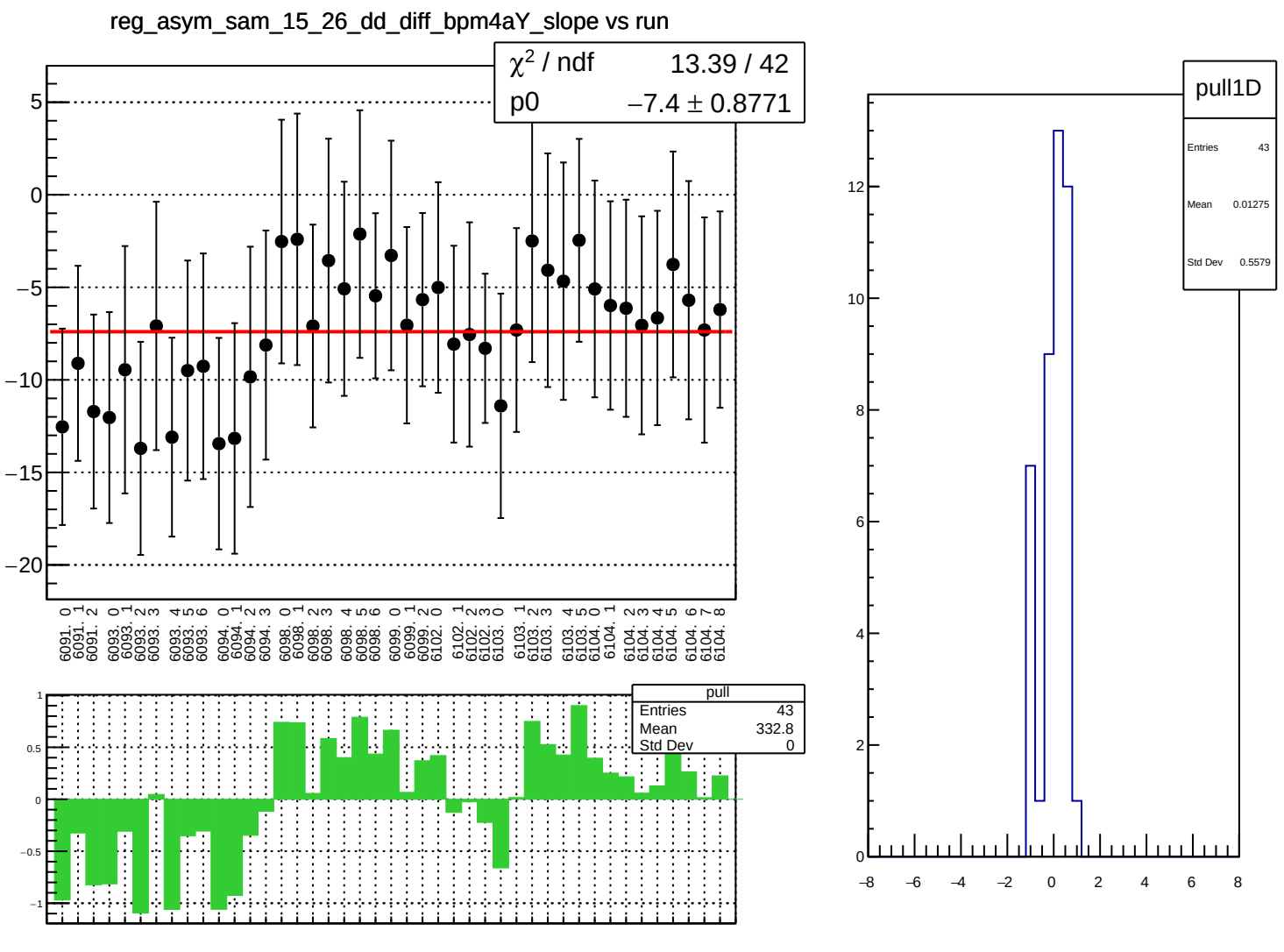

pull1D
Entries 43
Mean 0.01151
Std Dev 0.5455

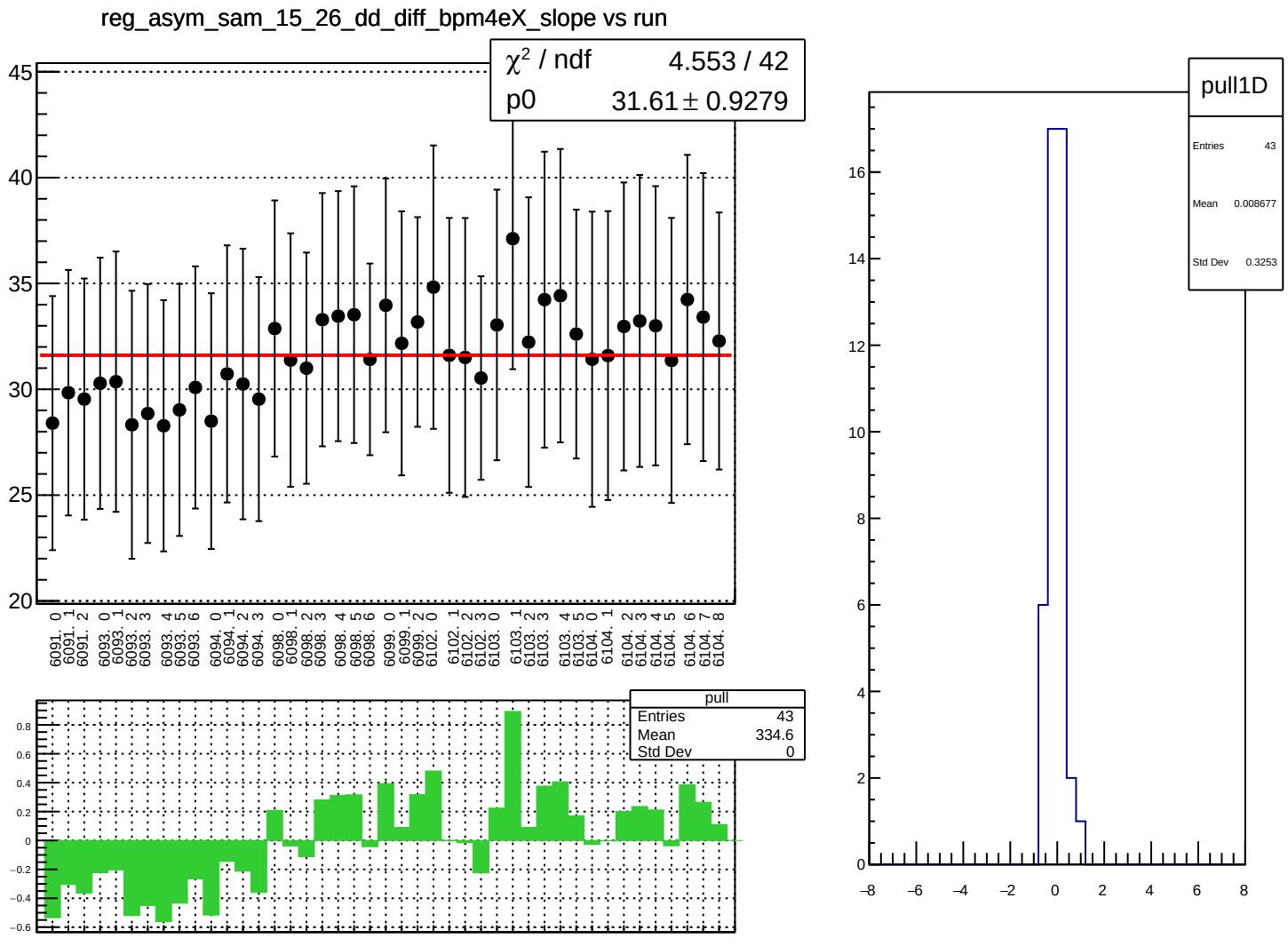

reg_asym_sam_37_48_dd_diff_bpm4eX_slope vs run
χ² / ndf 4.07 / 42
p0 17.32 ± 0.7192
pull
Entries 43
Mean −157.5
Std Dev 0
pull1D
Entries 43
Mean 0.01061
Std Dev 0.3075

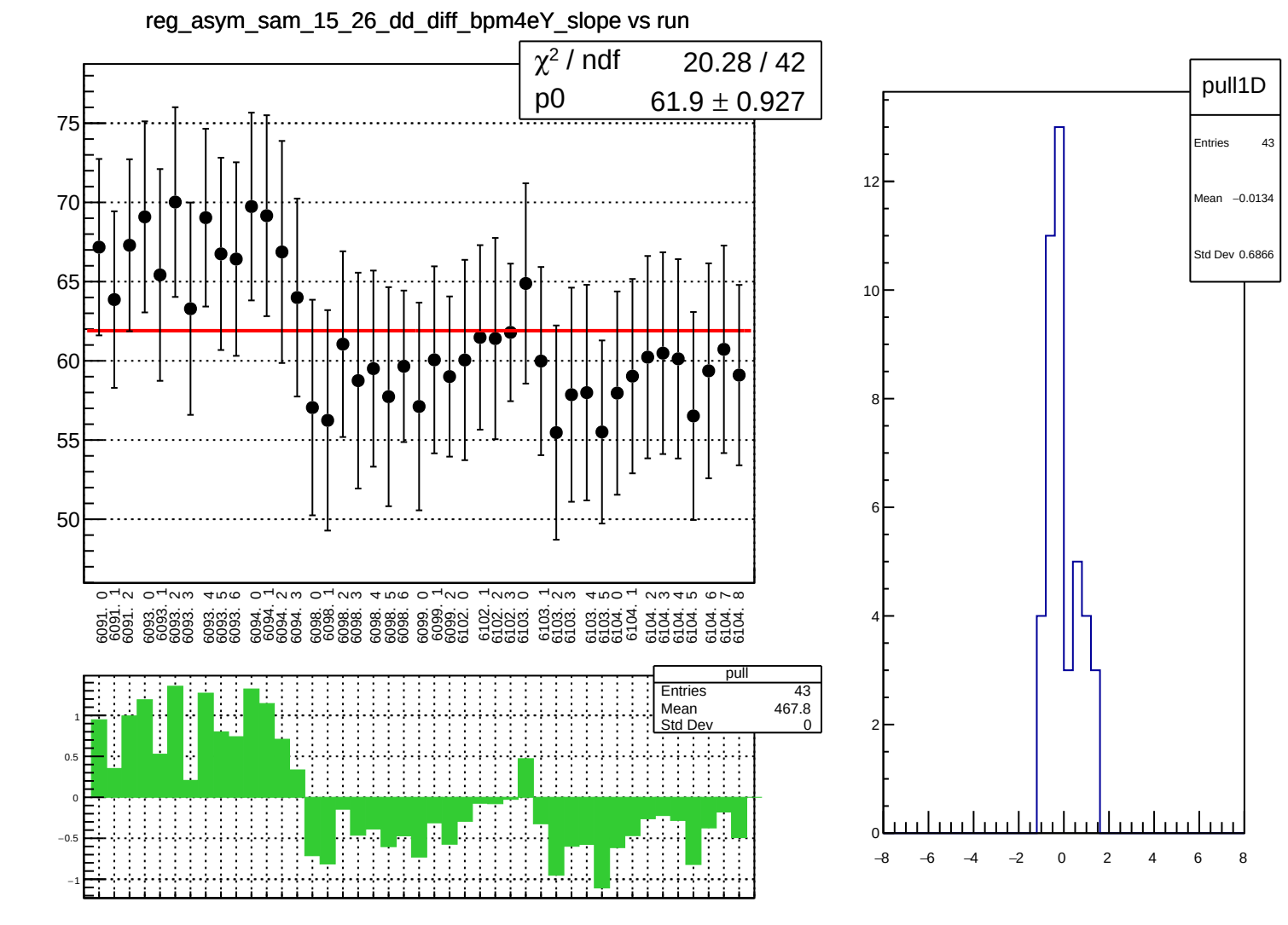

reg_asym_sam_37_48_dd_diff_bpm4eY_slope vs run
χ² / ndf 17.17 / 42
p0 −75.71 ± 0.7208
−65
−70
−75
−80
−85
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean −88.29
Std Dev 0
1
0.5
0
−0.5
−1
pull1D
Entries 43
Mean −0.02245
Std Dev 0.6315
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

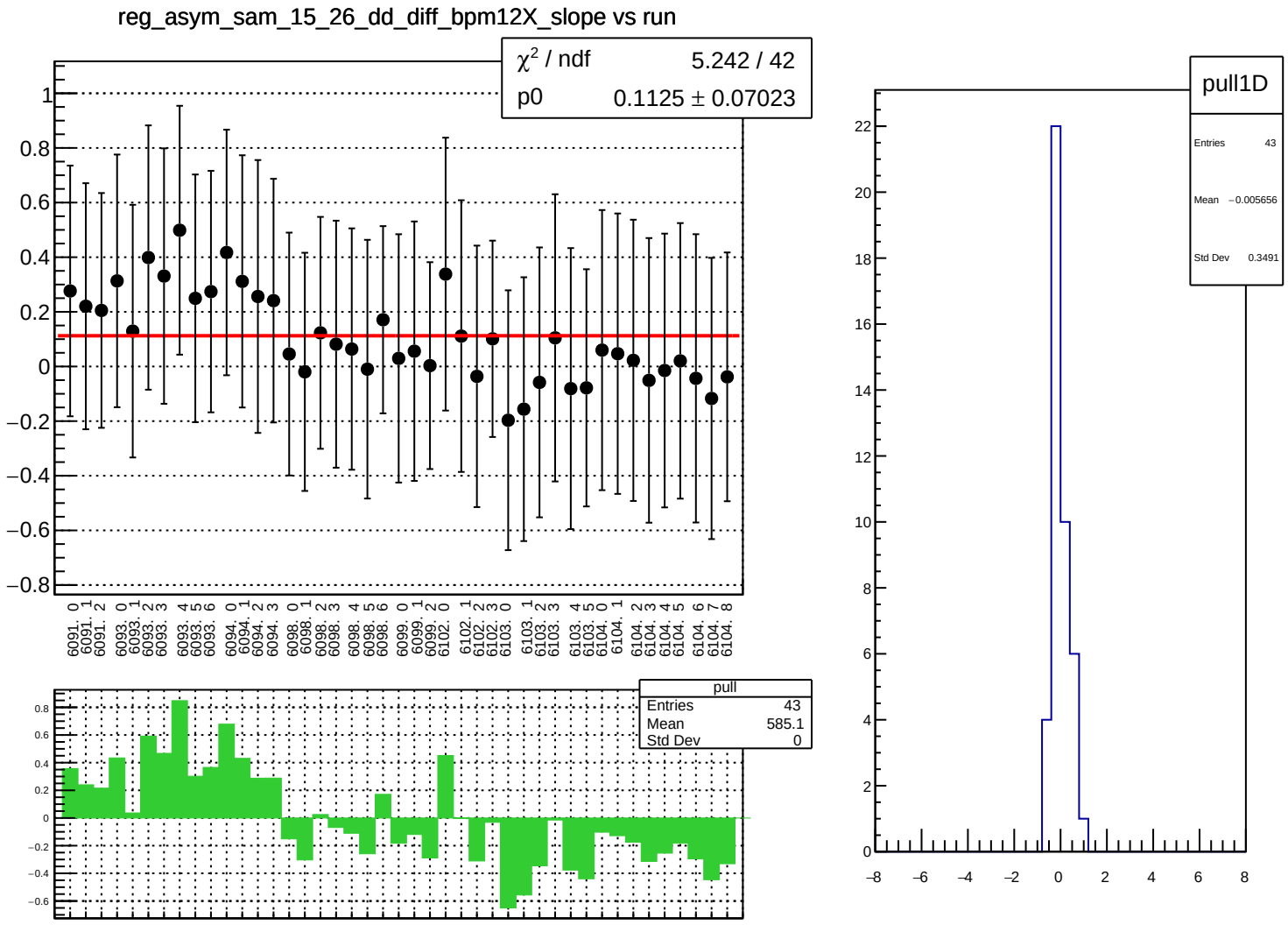

reg_asym_sam_37_48_dd_diff_bpm12X_slope vs run
χ² / ndf 7.87 / 42
p0 0.3151± 0.05437
pull
Entries 43
Mean −849.5
Std Dev 0
pull1D
Entries 43
Mean −0.004572
Std Dev 0.4278

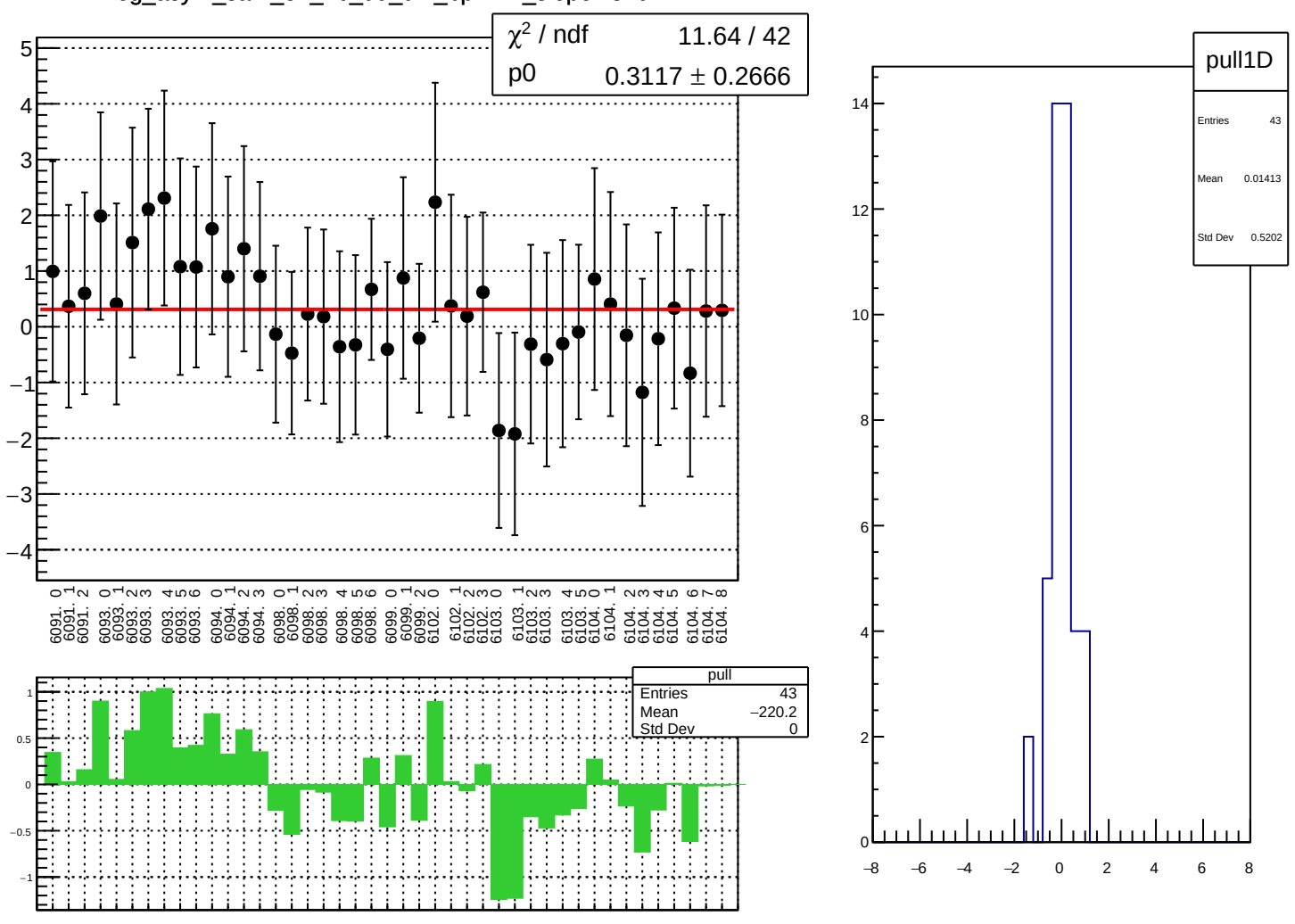

reg_asym_sam_15_26_dd_diff_bpm1X_slope vs run
χ² / ndf 3.465 / 42
p0 1.644 ± 0.7593
pull
Entries 43
Mean 463.2
Std Dev 0
pull1D
Entries 43
Mean −0.005395
Std Dev 0.2838

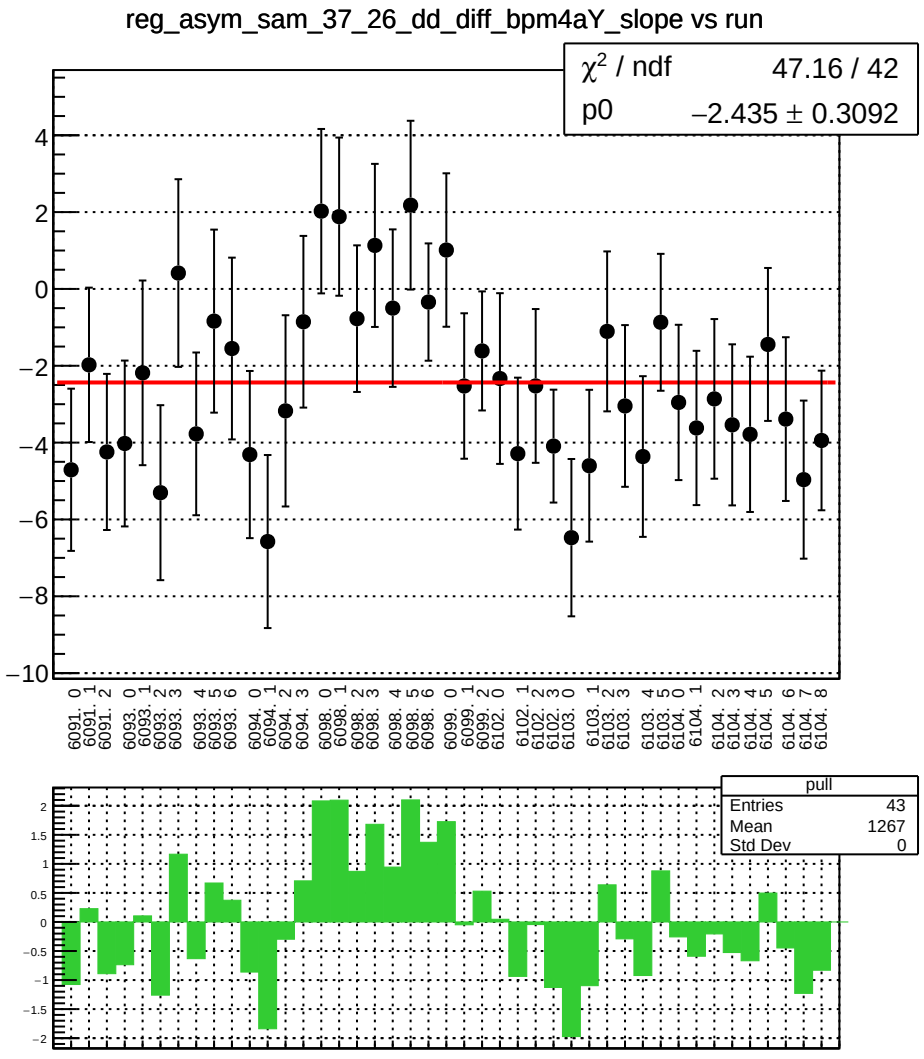

reg_asym_sam_15_26_dd_diff_bpm4aY_slope vs run
χ² / ndf 13.39 / 42
p0 −7.4 ± 0.8771
pull
Entries 43
Mean 332.8
Std Dev 0
pull1D
Entries 43
Mean 0.01275
Std Dev 0.5579

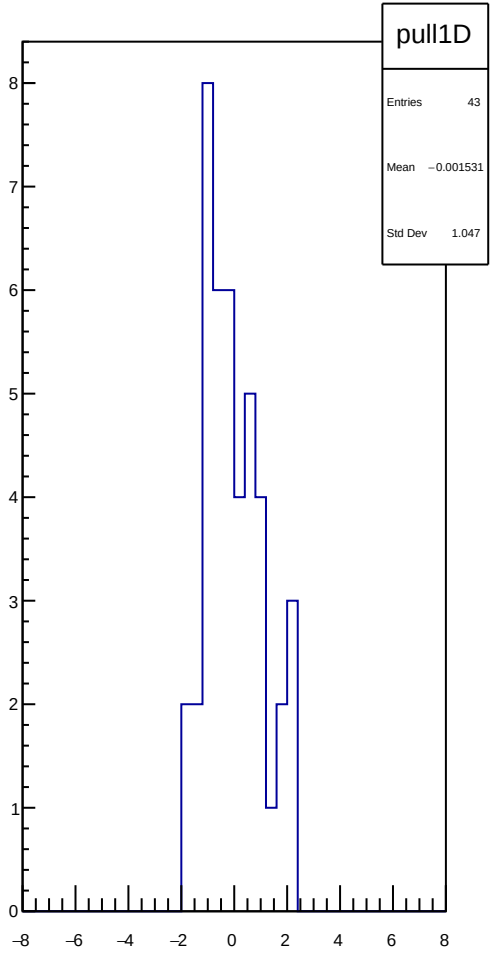

reg_asym_sam_15_26_dd_diff_bpm4eX_slope vs run
χ² / ndf 4.553 / 42
p0 31.61 ± 0.9279
pull
Entries 43
Mean 334.6
Std Dev 0
pull1D
Entries 43
Mean 0.008677
Std Dev 0.3253

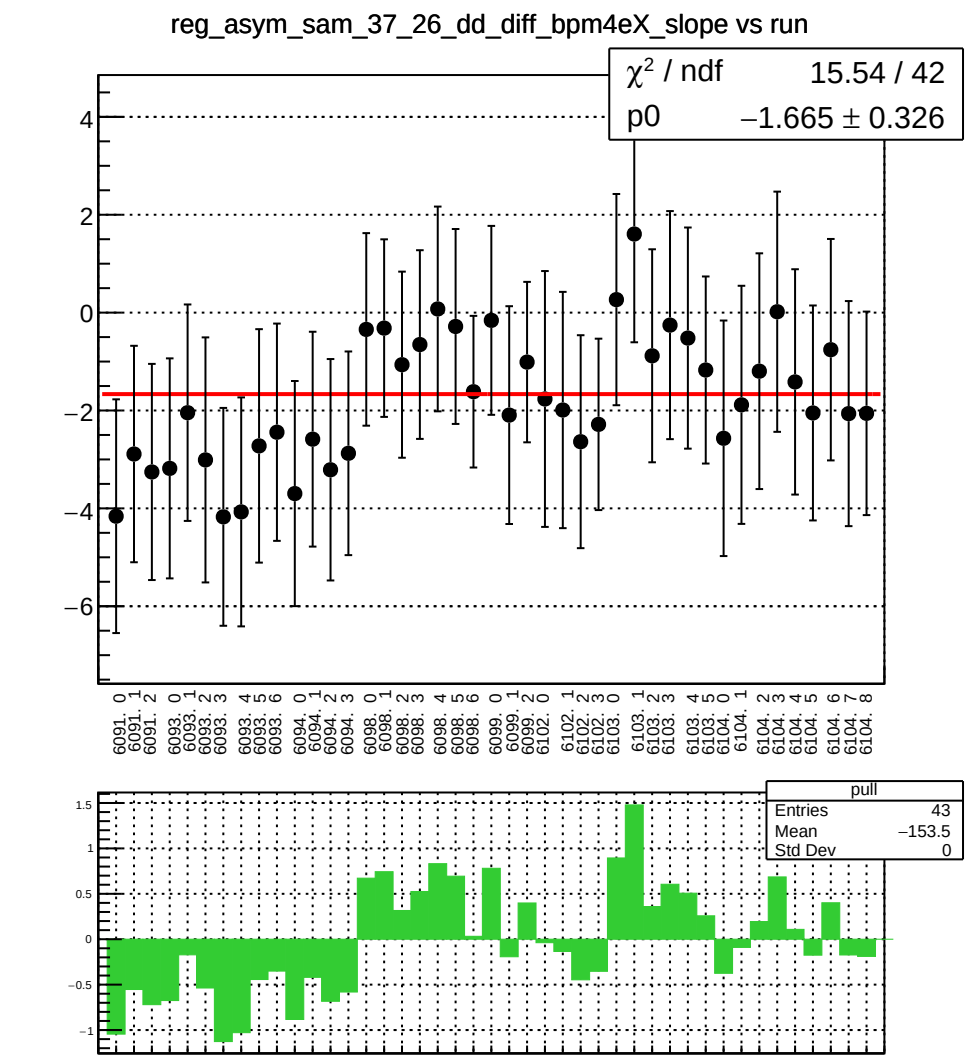

reg_asym_sam_15_26_dd_diff_bpm4eY_slope vs run
χ² / ndf 20.28 / 42
p0 61.9 ± 0.927
75
70
65
60
55
50
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 467.8
Std Dev 0
1
0.5
0
−0.5
−1
pull1D
Entries 43
Mean −0.0134
Std Dev 0.6866
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

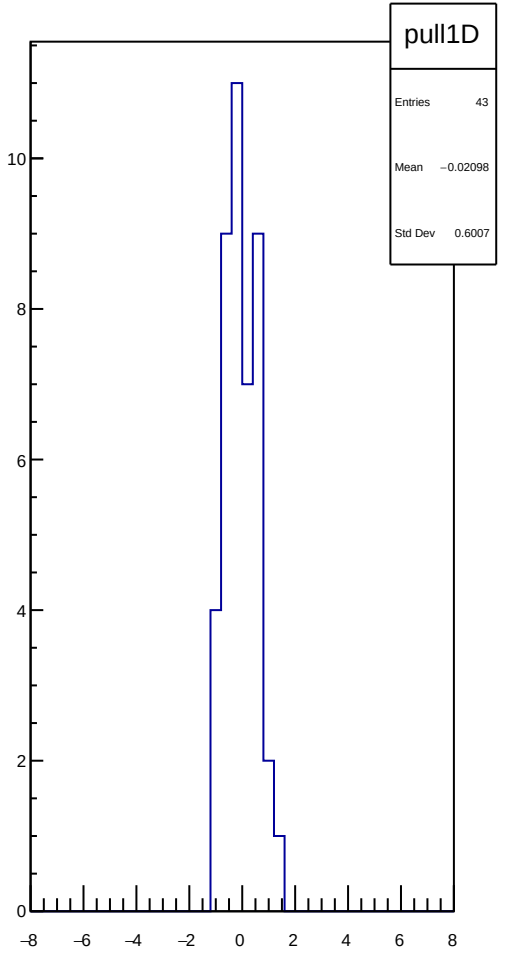

reg_asym_sam_15_26_dd_diff_bpm12X_slope vs run
χ² / ndf 5.242 / 42
p0 0.1125 ± 0.07023
pull
Entries 43
Mean 585.1
Std Dev 0
pull1D
Entries 43
Mean −0.005656
Std Dev 0.3491

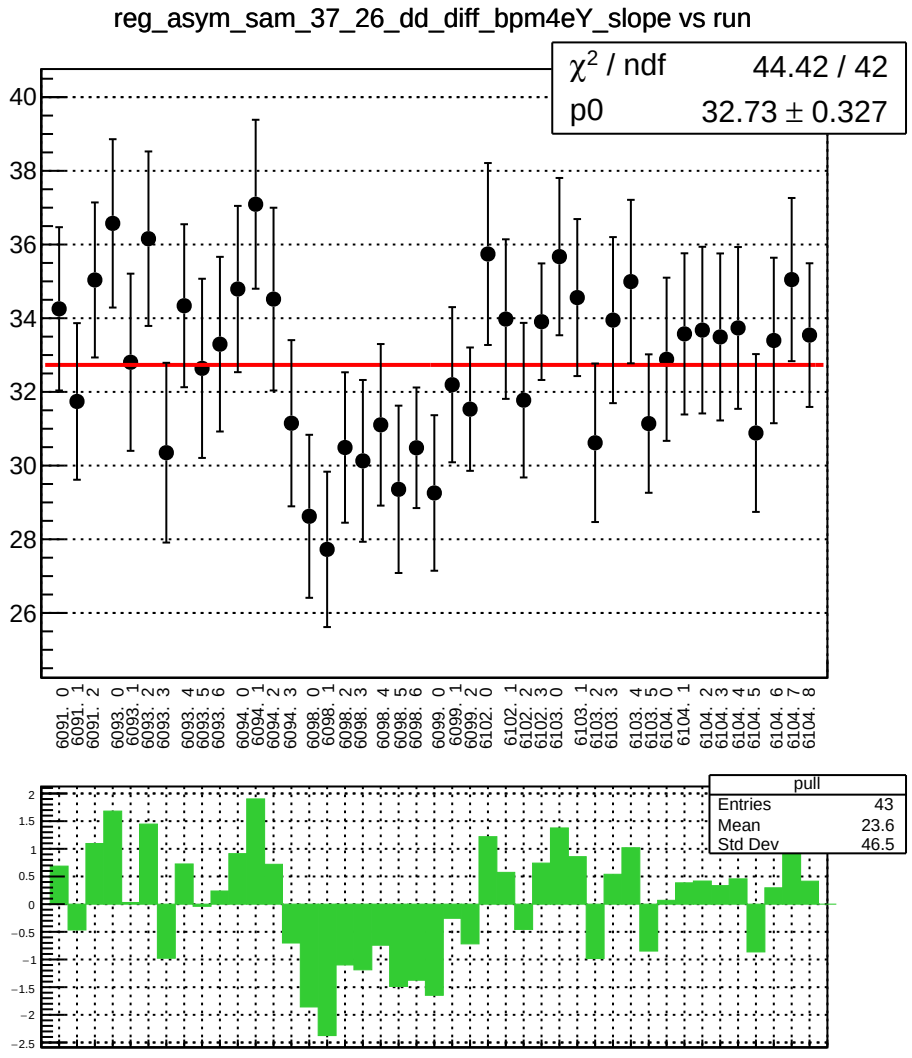

reg_asym_sam_37_26_dd_diff_bpm1X_slope vs run
χ² / ndf 11.64 / 42
p0 0.3117 ± 0.2666
pull
Entries 43
Mean −220.2
Std Dev 0
pull1D
Entries 43
Mean 0.01413
Std Dev 0.5202

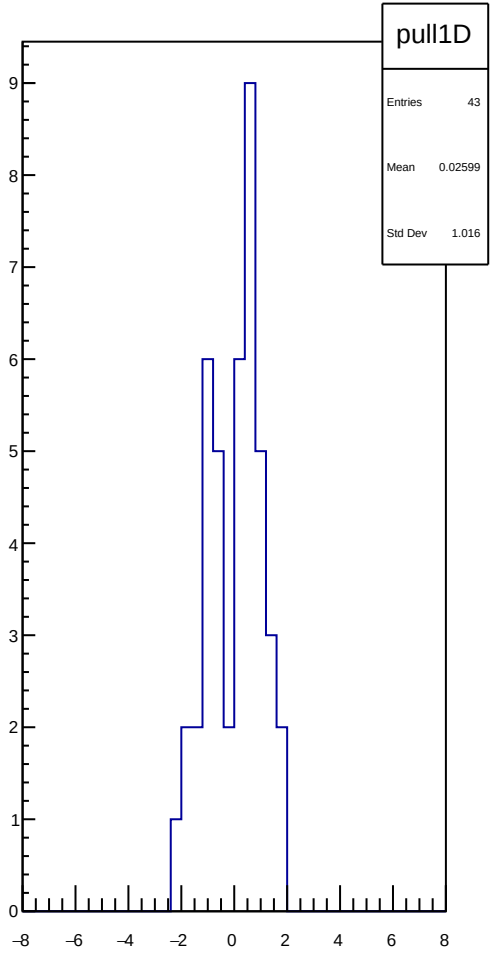

reg_asym_sam_37_26_dd_diff_bpm4aY_slope vs run
χ² / ndf 47.16 / 42
p0 −2.435 ± 0.3092
pull
Entries 43
Mean 1267
Std Dev 0

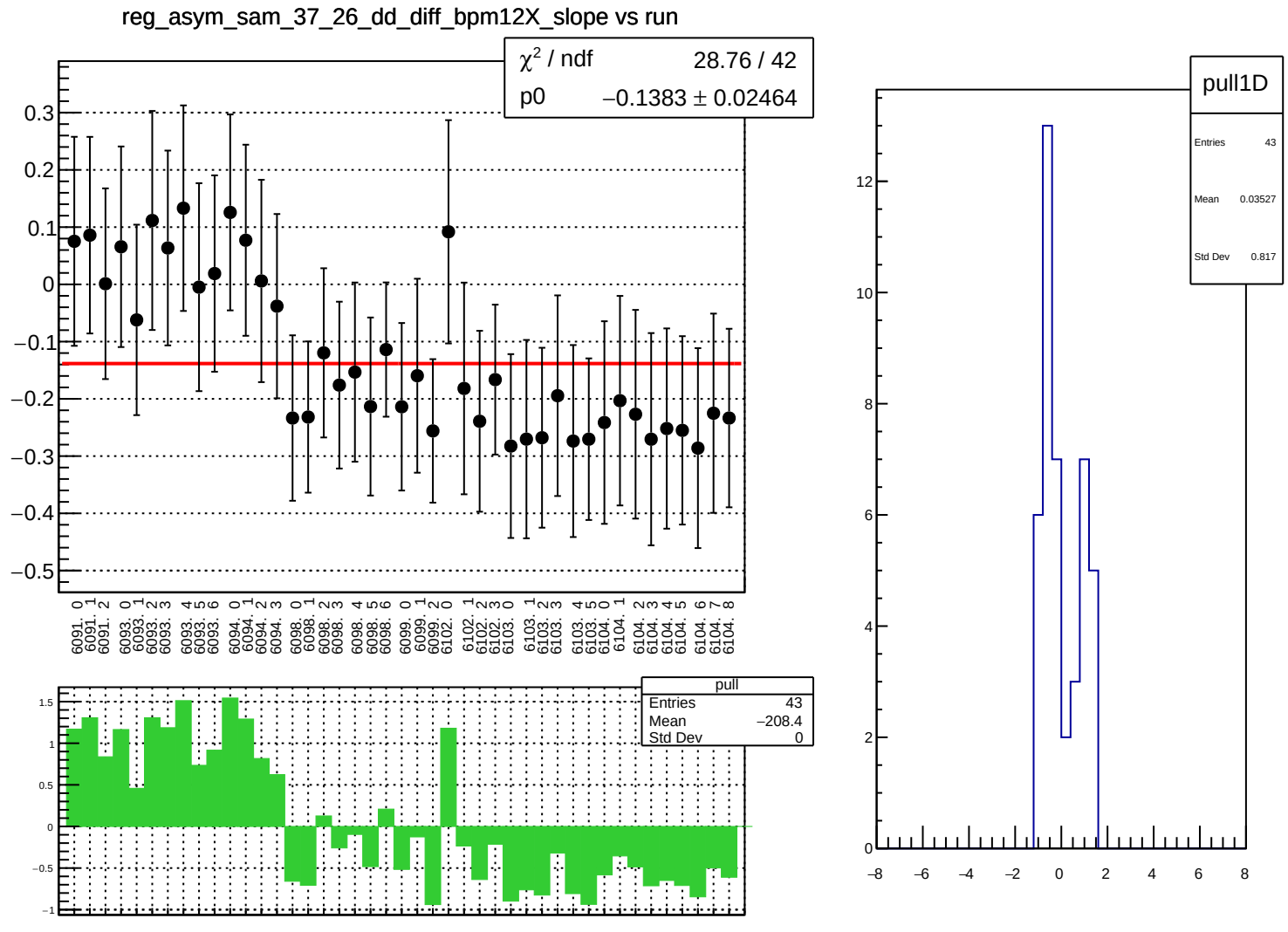

pull1D
Entries 43
Mean −0.001531
Std Dev 1.047

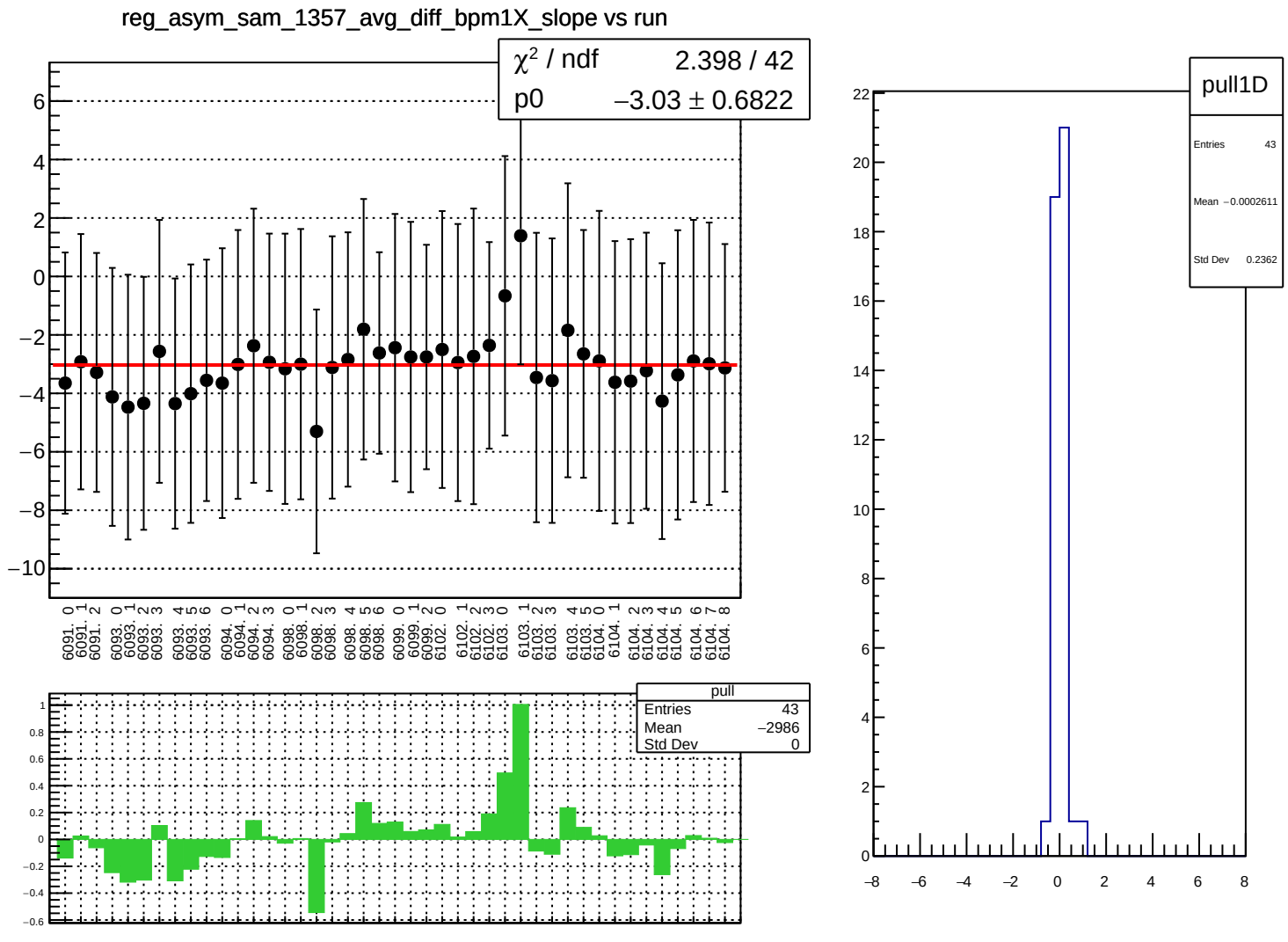

reg_asym_sam_37_26_dd_diff_bpm4eX_slope vs run
χ² / ndf 15.54 / 42
p0 −1.665 ± 0.326
pull
Entries 43
Mean −153.5
Std Dev 0

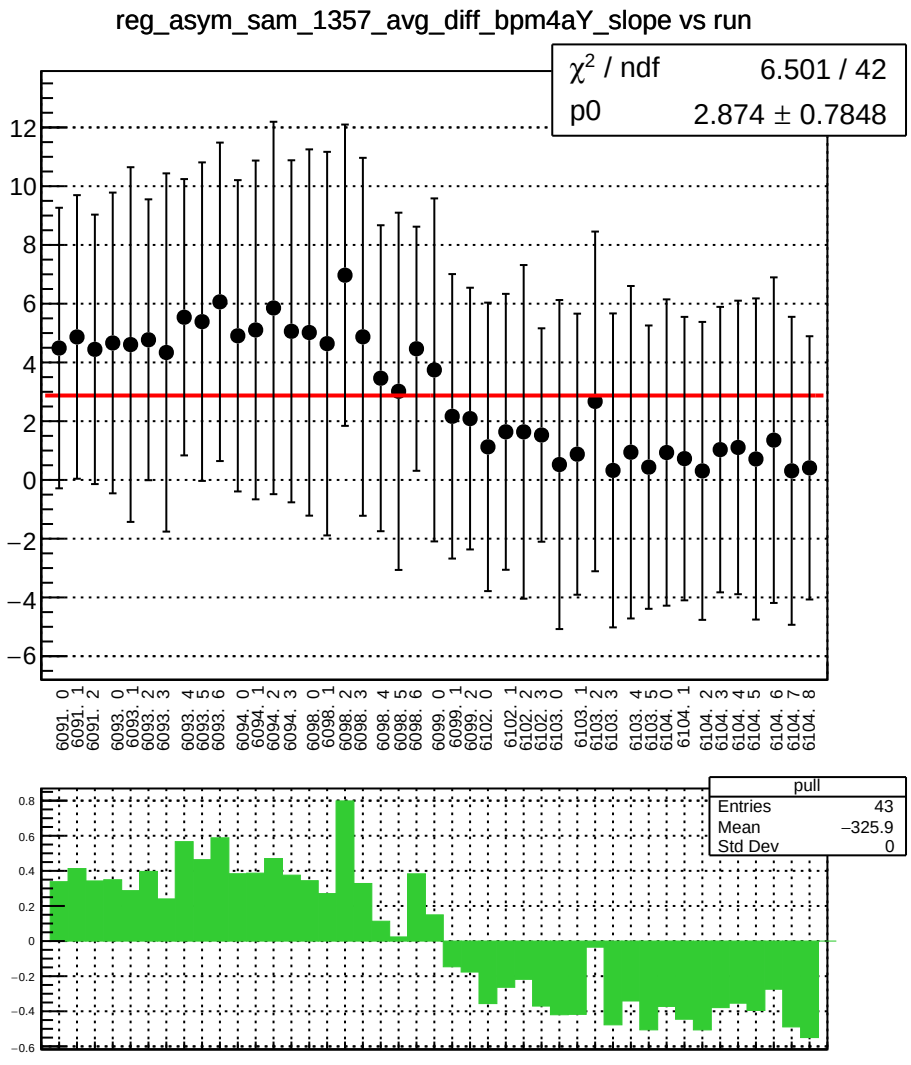

pull1D
Entries 43
Mean −0.02098
Std Dev 0.6007

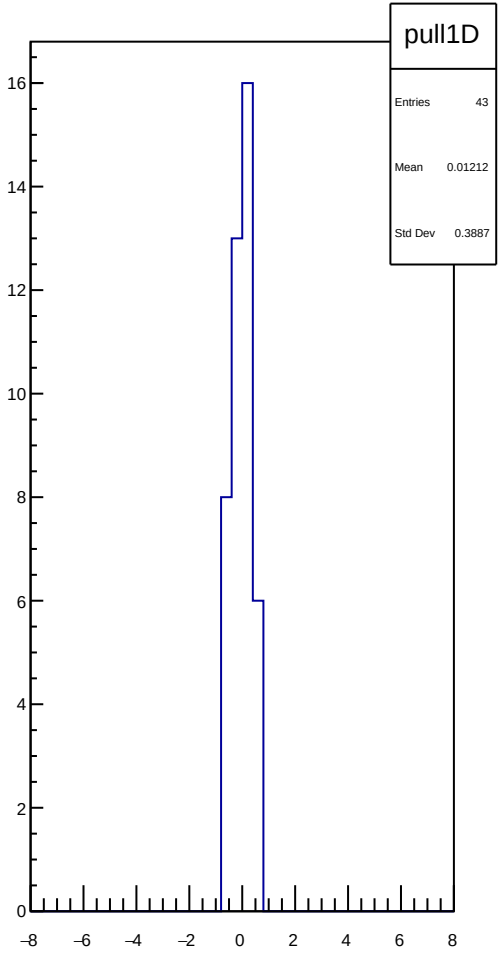

reg_asym_sam_37_26_dd_diff_bpm4eY_slope vs run
χ² / ndf 44.42 / 42
p0 32.73 ± 0.327
pull
Entries 43
Mean 23.6
Std Dev 46.5

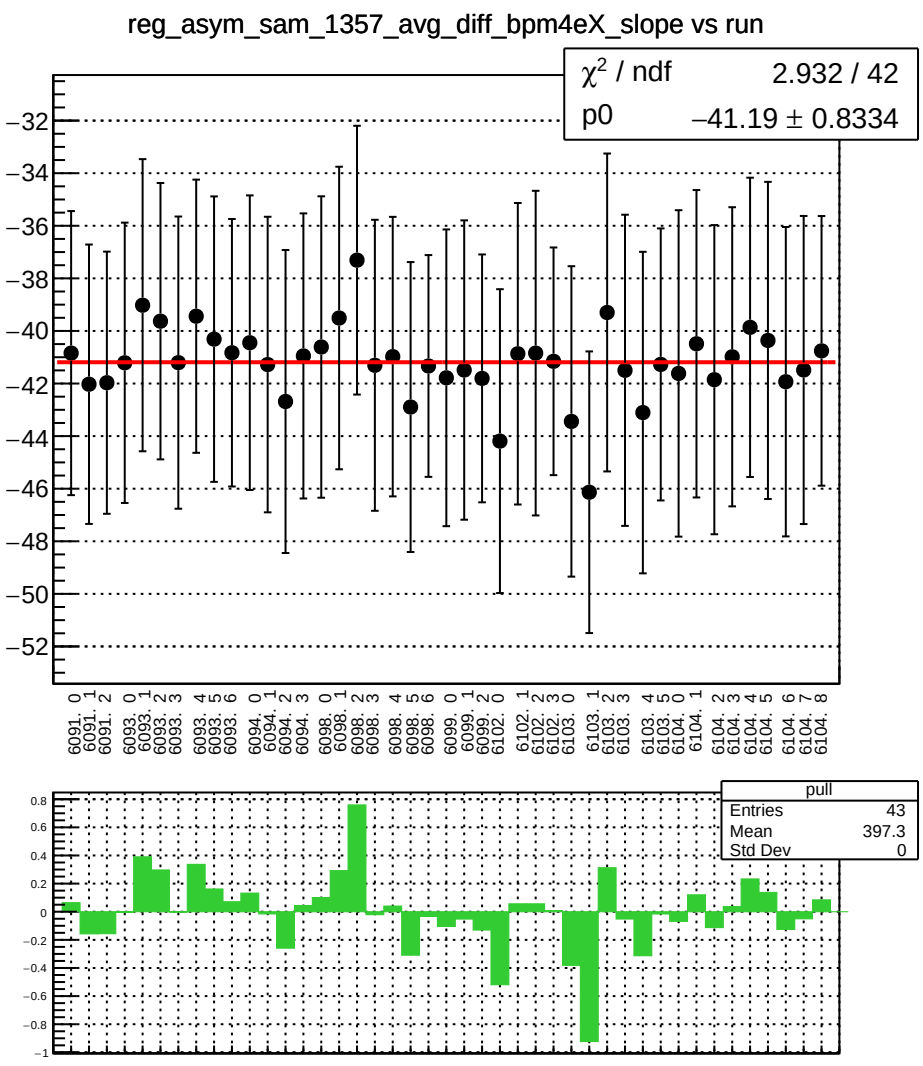

pull1D
Entries 43
Mean 0.02599
Std Dev 1.016

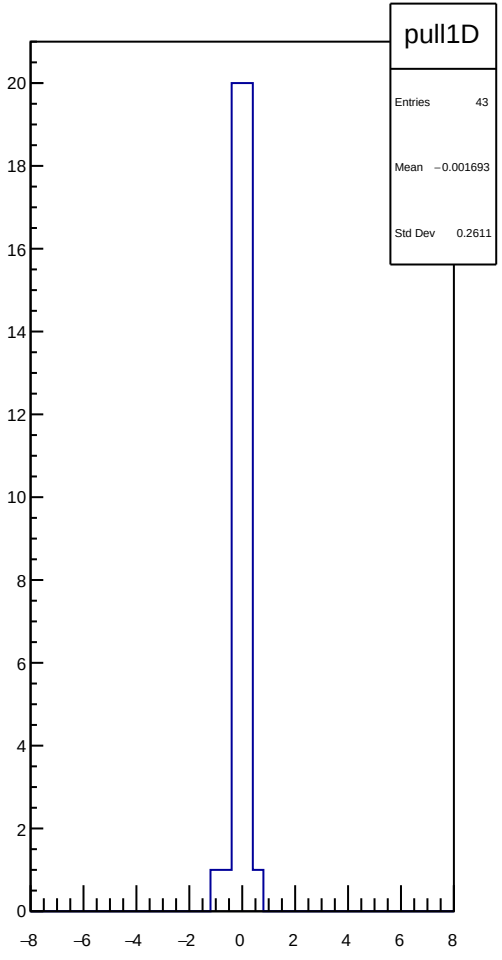

reg_asym_sam_37_26_dd_diff_bpm12X_slope vs run
χ² / ndf 28.76 / 42
p0 −0.1383 ± 0.02464
pull
Entries 43
Mean −208.4
Std Dev 0
pull1D
Entries 43
Mean 0.03527
Std Dev 0.817

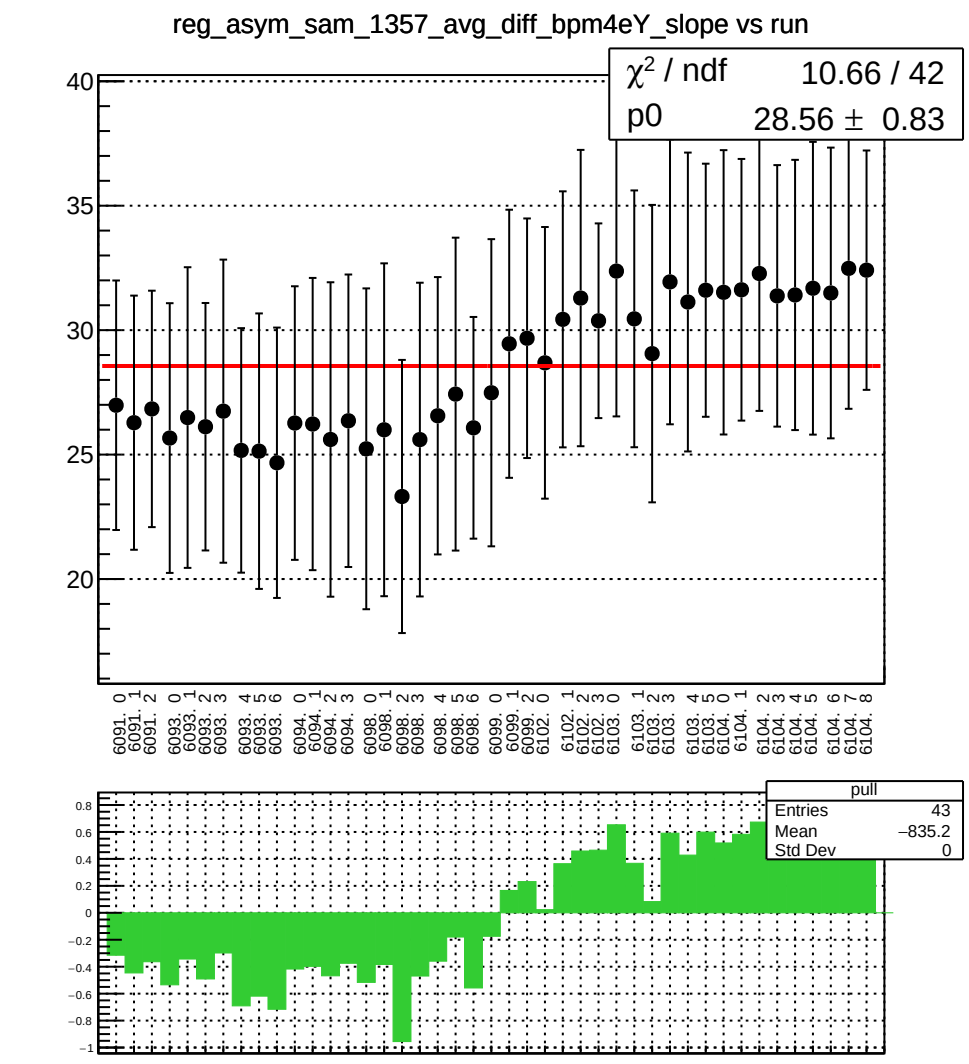

reg_asym_sam_1357_avg_diff_bpm1X_slope vs run
χ² / ndf 2.398 / 42
p0 −3.03 ± 0.6822
pull
Entries 43
Mean −2986
Std Dev 0
pull1D
Entries 43
Mean −0.0002611
Std Dev 0.2362

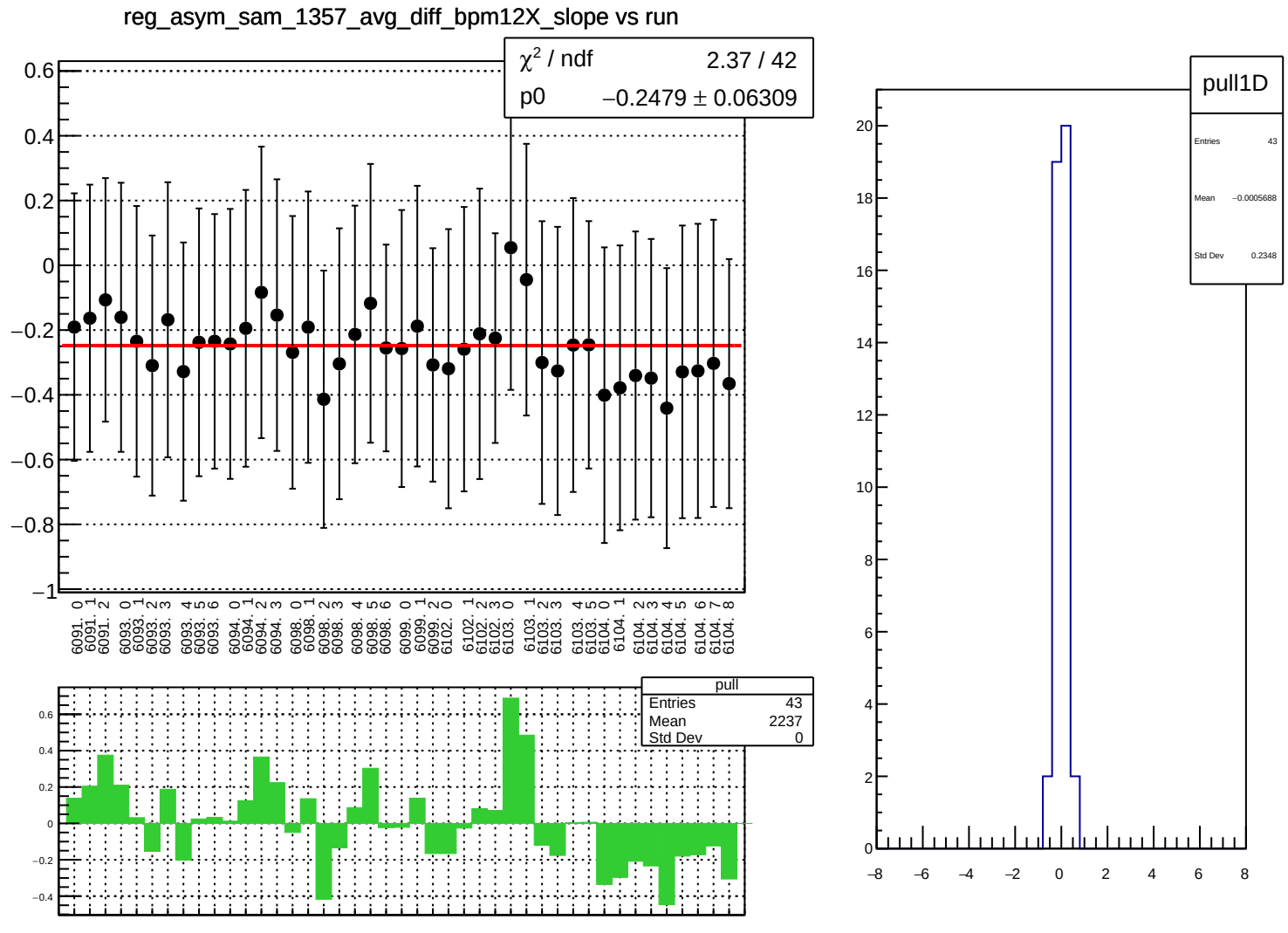

reg_asym_sam_1357_avg_diff_bpm4aY_slope vs run
χ² / ndf 6.501 / 42
p0 2.874 ± 0.7848
pull
Entries 43
Mean −325.9
Std Dev 0

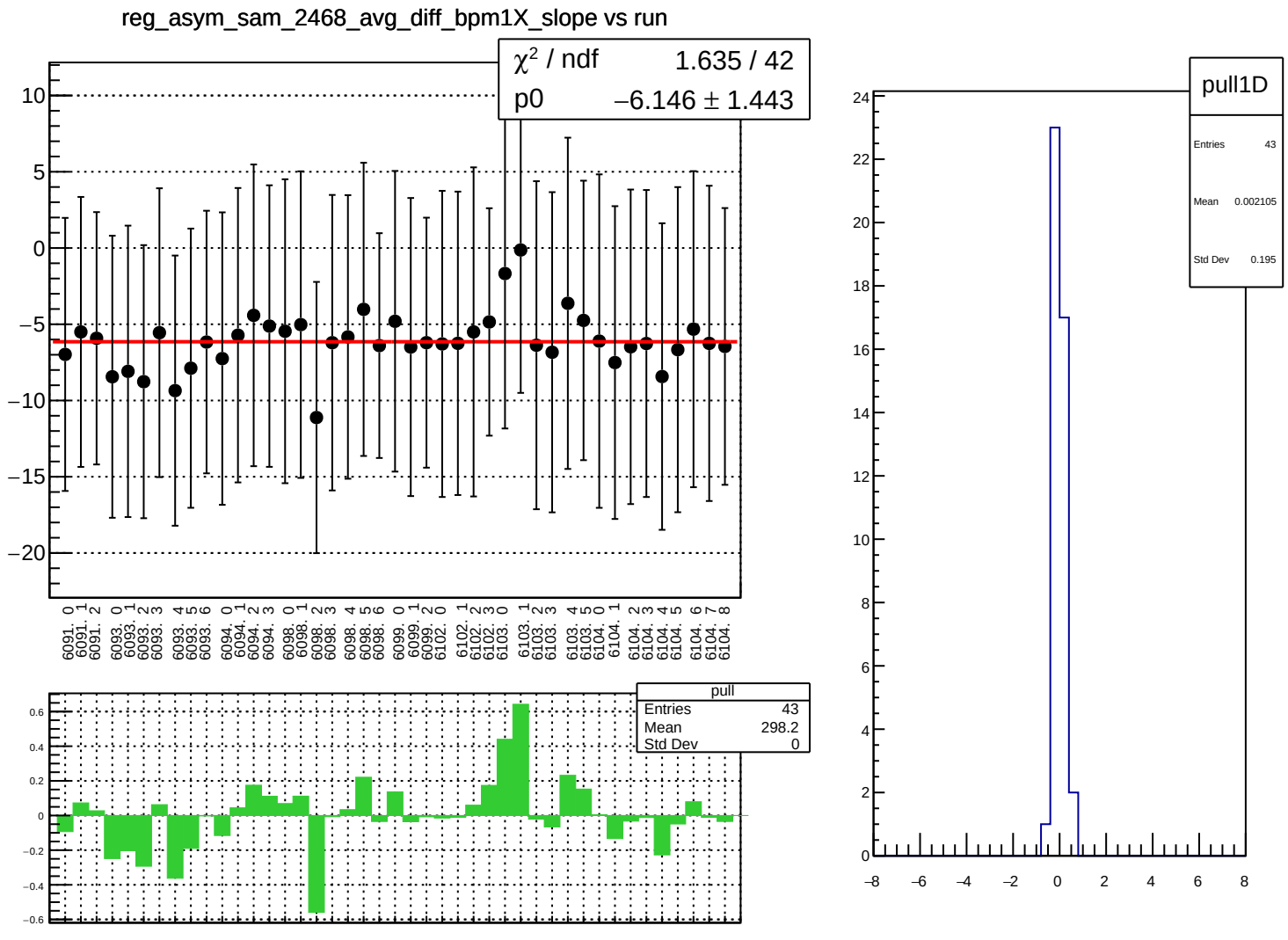

pull1D
Entries 43
Mean 0.01212
Std Dev 0.3887

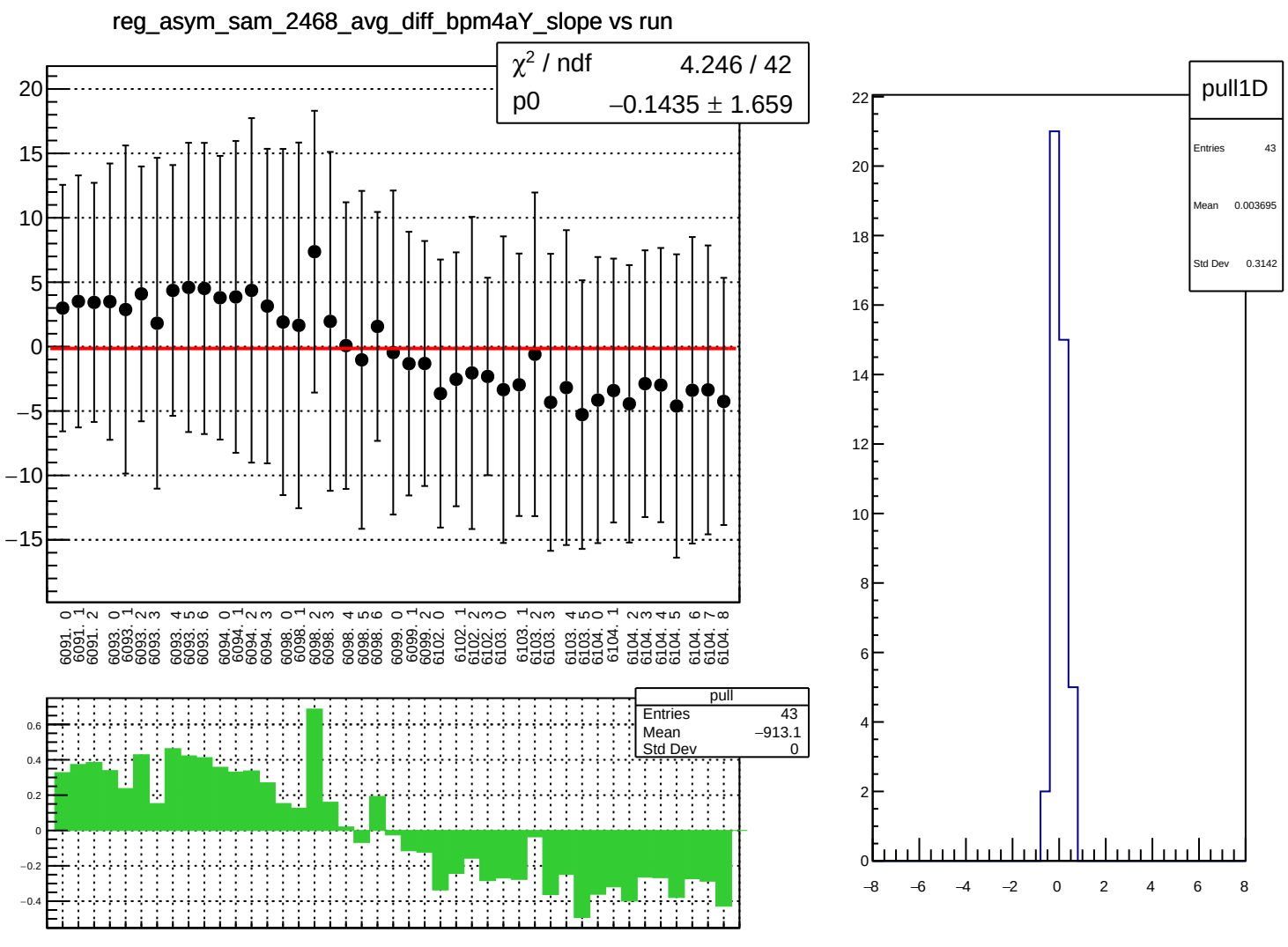

reg_asym_sam_1357_avg_diff_bpm4eX_slope vs run
χ² / ndf 2.932 / 42
p0 −41.19 ± 0.8334
pull
Entries 43
Mean 397.3
Std Dev 0

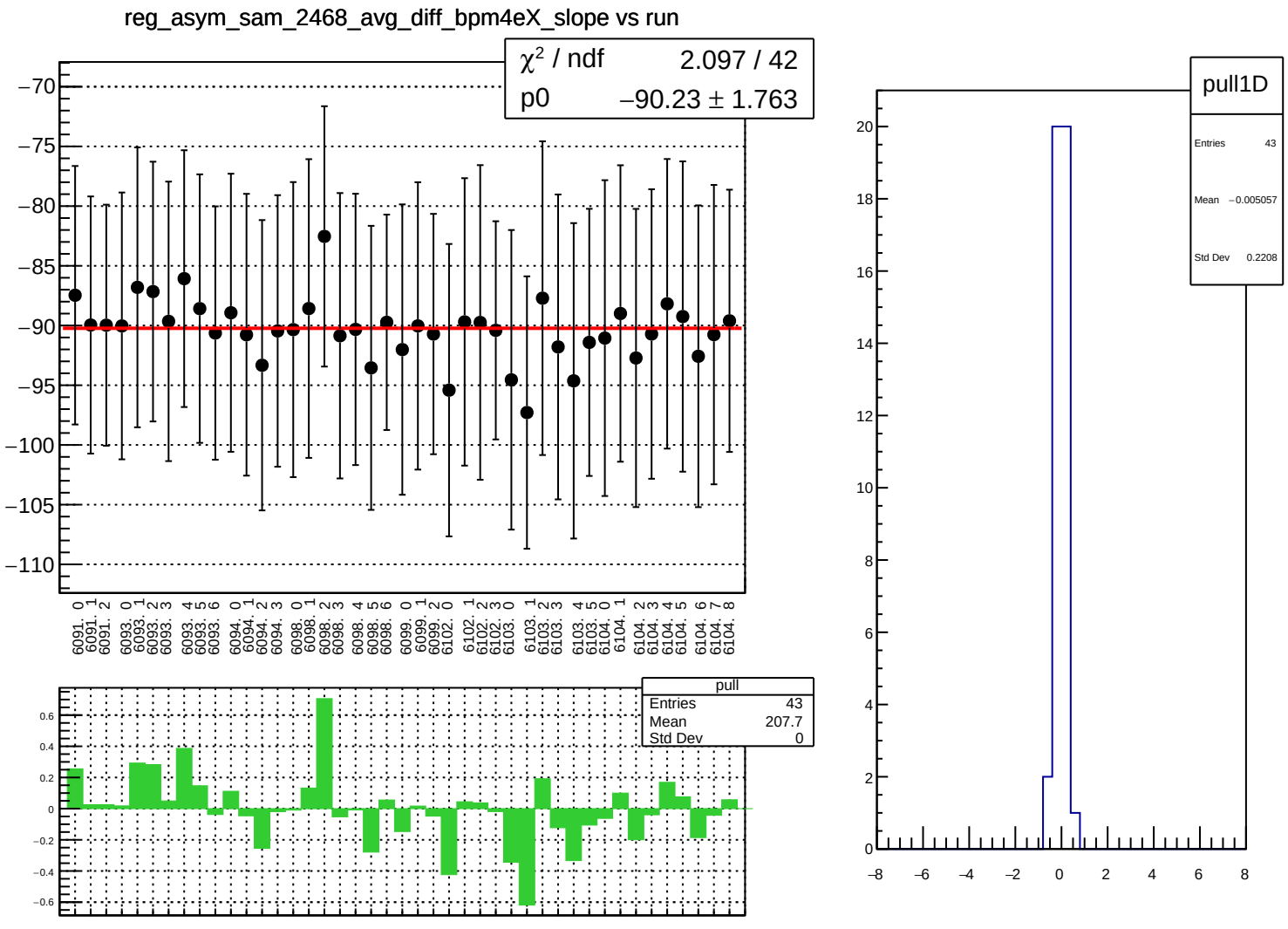

pull1D
Entries 43
Mean −0.001693
Std Dev 0.2611

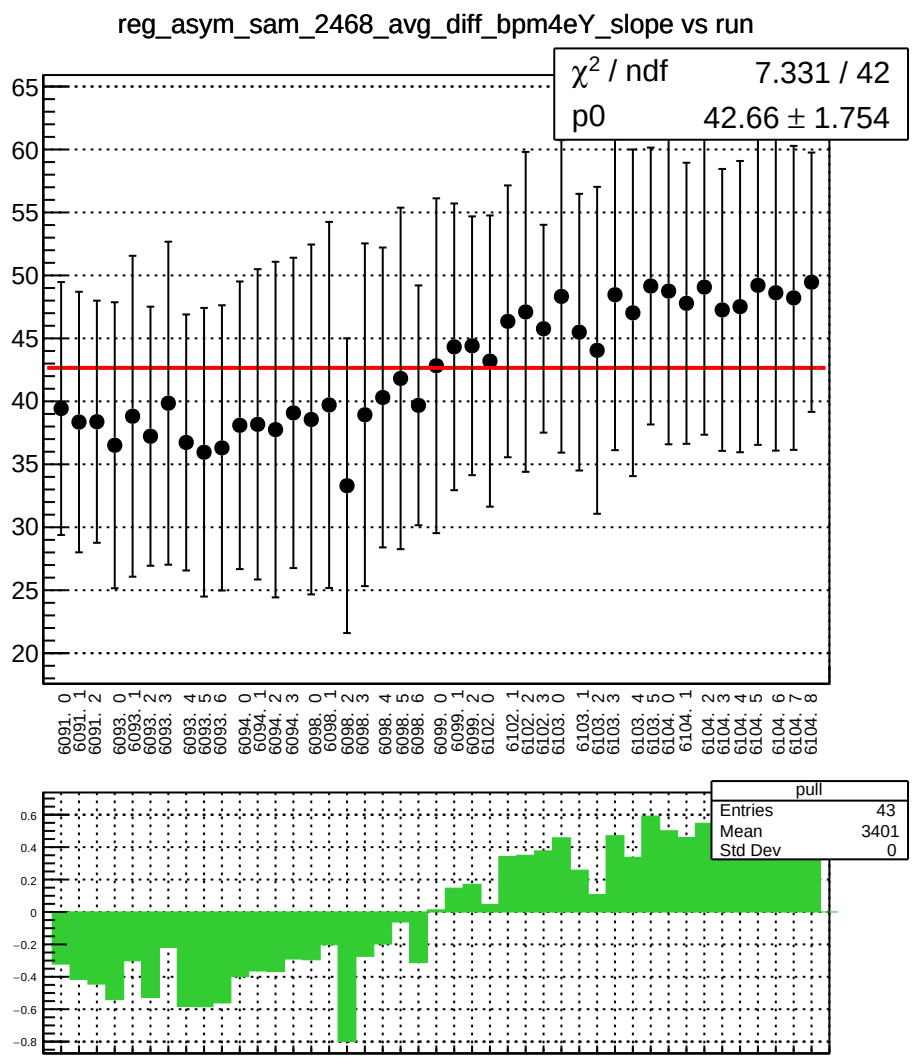

reg_asym_sam_1357_avg_diff_bpm4eY_slope vs run
χ² / ndf 10.66 / 42
p0 28.56 ± 0.83
40
35
30
25
20
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean −835.2
Std Dev 0
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
−1
pull1D
Entries 43
Mean −0.00631
Std Dev 0.4978
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

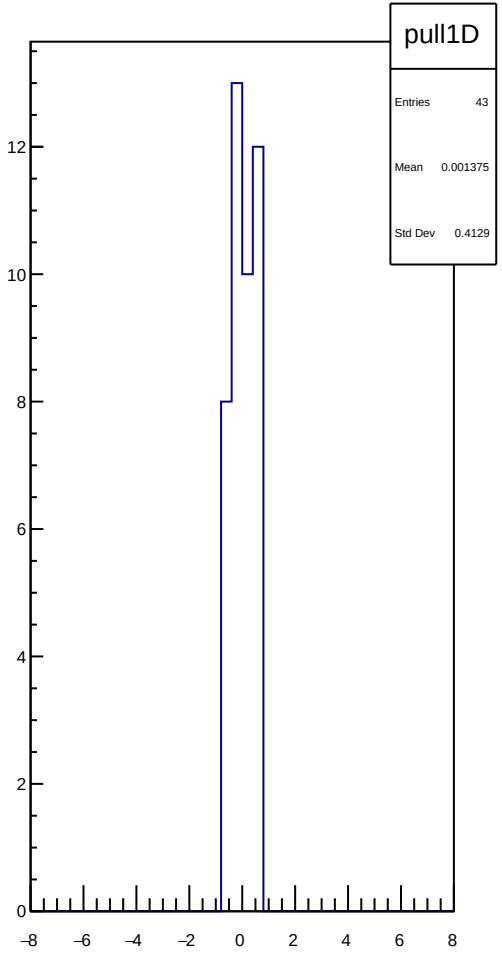

reg_asym_sam_1357_avg_diff_bpm12X_slope vs run
χ² / ndf 2.37 / 42
p0 −0.2479 ± 0.06309
pull
Entries 43
Mean 2237
Std Dev 0
pull1D
Entries 43
Mean −0.0005688
Std Dev 0.2348

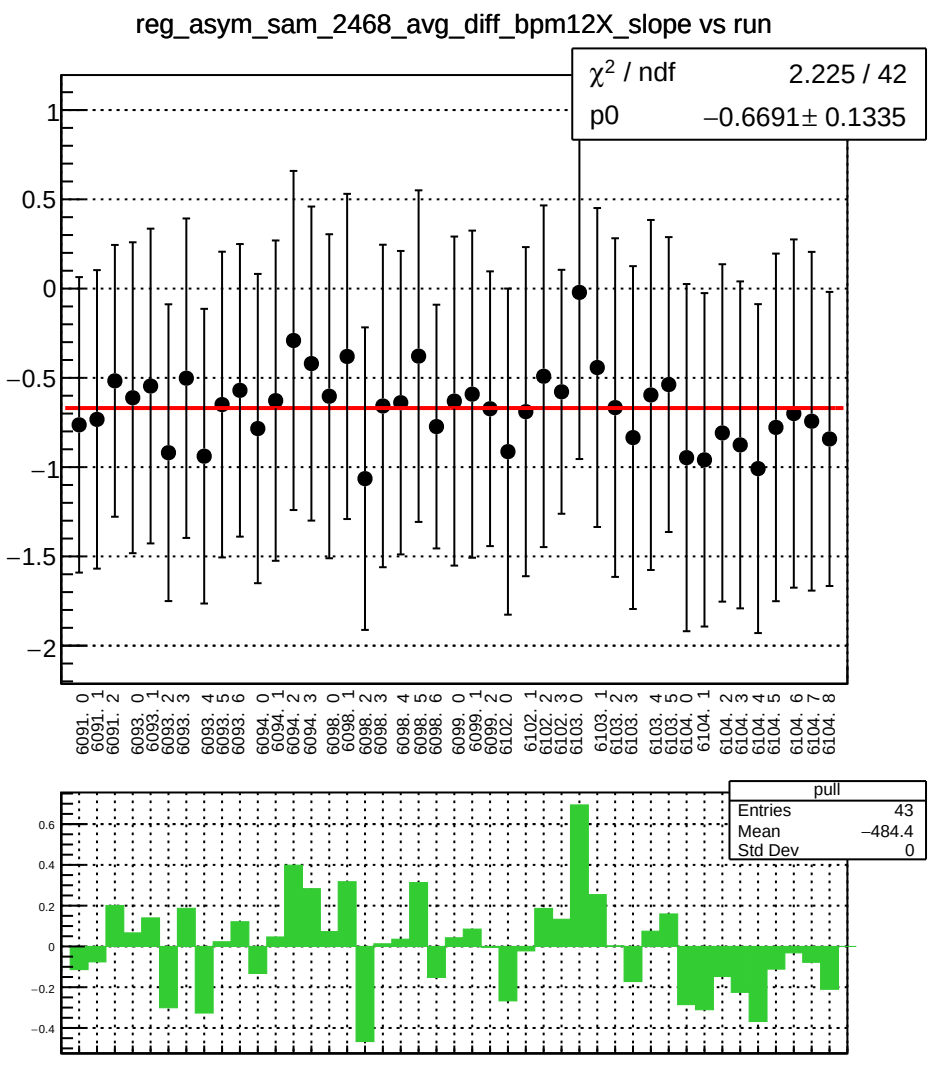

reg_asym_sam_2468_avg_diff_bpm1X_slope vs run
χ² / ndf 1.635 / 42
p0 −6.146 ± 1.443
pull
Entries 43
Mean 298.2
Std Dev 0
pull1D
Entries 43
Mean 0.002105
Std Dev 0.195

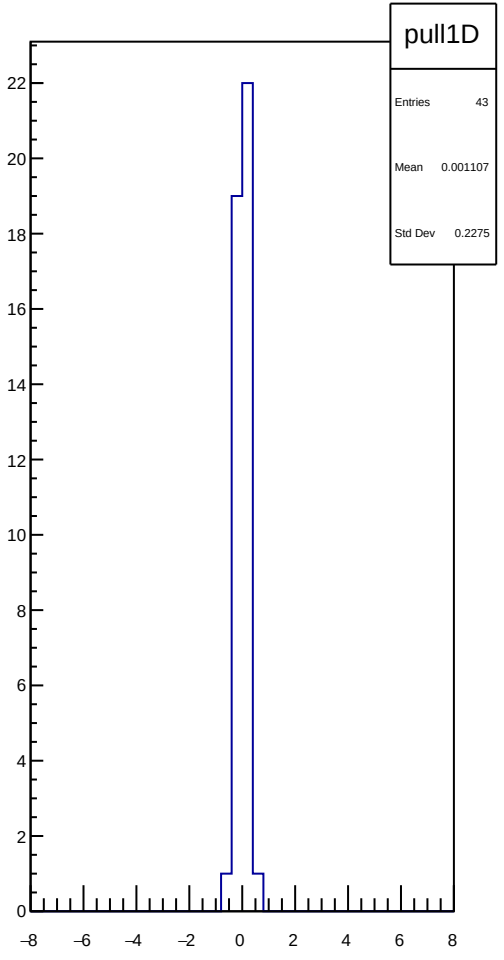

reg_asym_sam_2468_avg_diff_bpm4aY_slope vs run
χ² / ndf 4.246 / 42
p0 −0.1435 ± 1.659
pull
Entries 43
Mean −913.1
Std Dev 0
pull1D
Entries 43
Mean 0.003695
Std Dev 0.3142

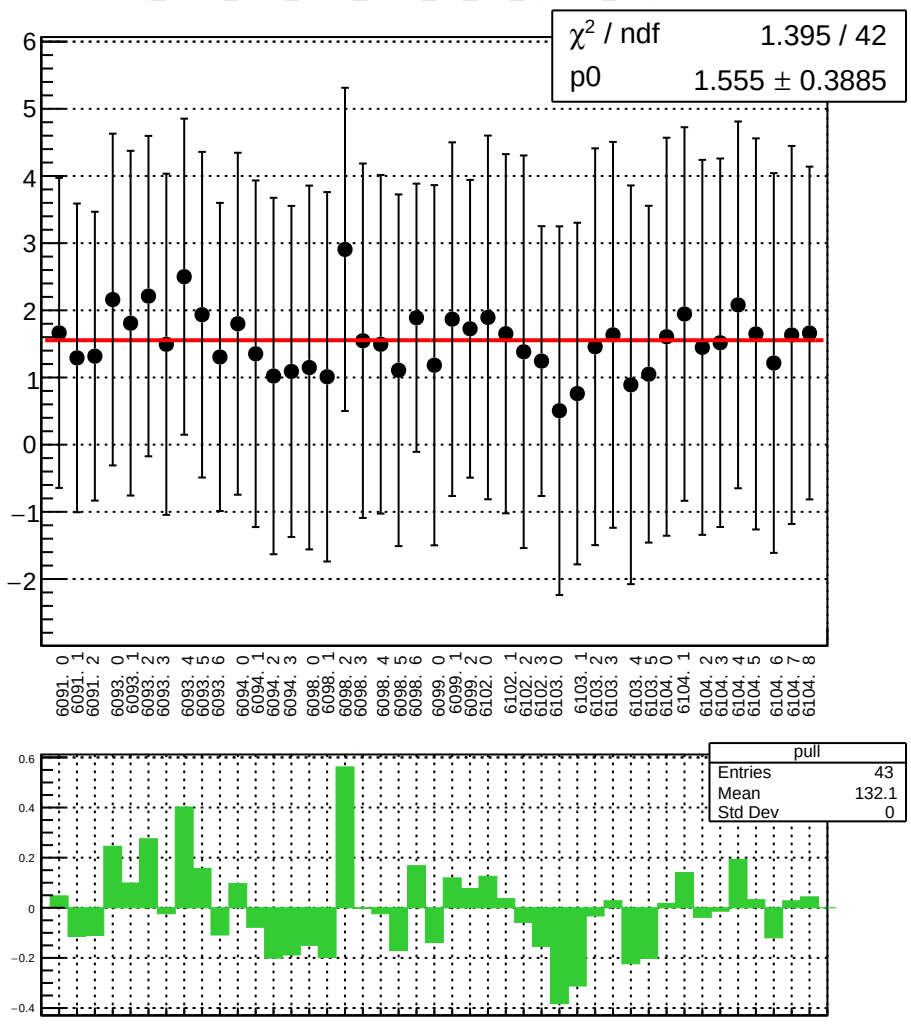

reg_asym_sam_2468_avg_diff_bpm4eX_slope vs run
χ² / ndf 2.097 / 42
p0 −90.23 ± 1.763
pull
Entries 43
Mean 207.7
Std Dev 0
pull1D
Entries 43
Mean −0.005057
Std Dev 0.2208

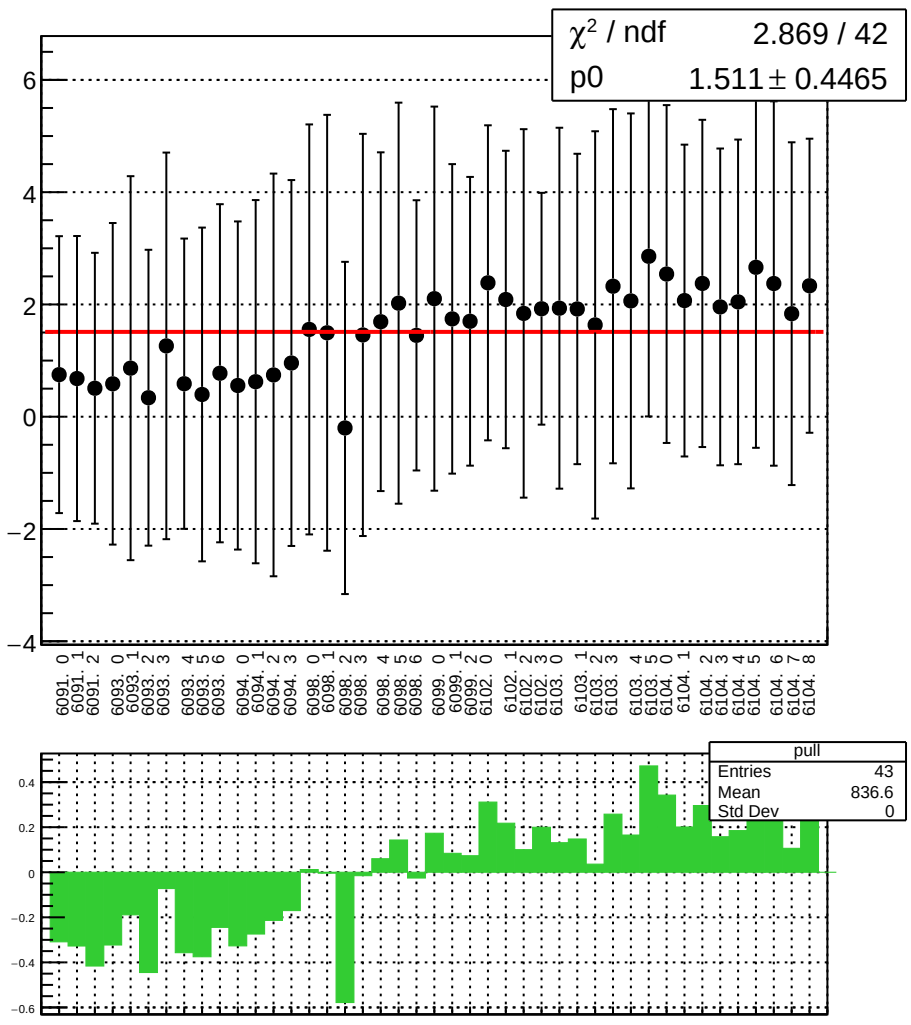

reg_asym_sam_2468_avg_diff_bpm4eY_slope vs run
χ² / ndf 7.331 / 42
p0 42.66 ± 1.754
pull
Entries 43
Mean 3401
Std Dev 0

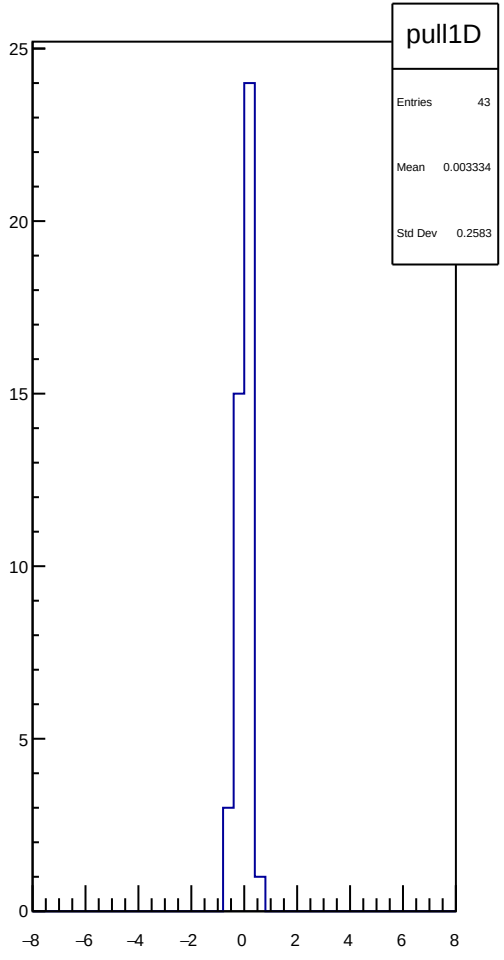

pull1D
Entries 43
Mean 0.001375
Std Dev 0.4129

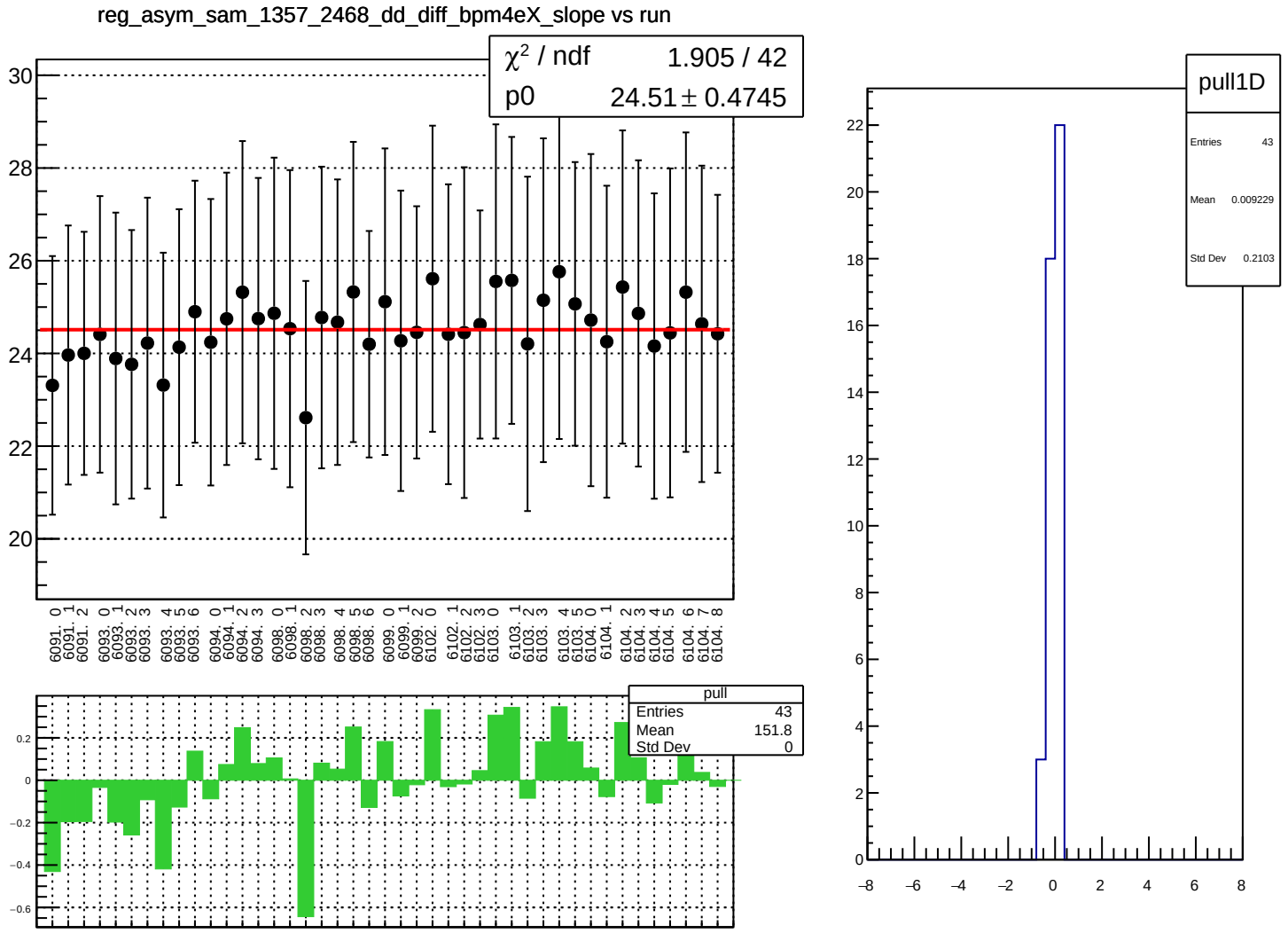

reg_asym_sam_2468_avg_diff_bpm12X_slope vs run
χ² / ndf 2.225 / 42
p0 −0.6691± 0.1335
pull
Entries 43
Mean −484.4
Std Dev 0

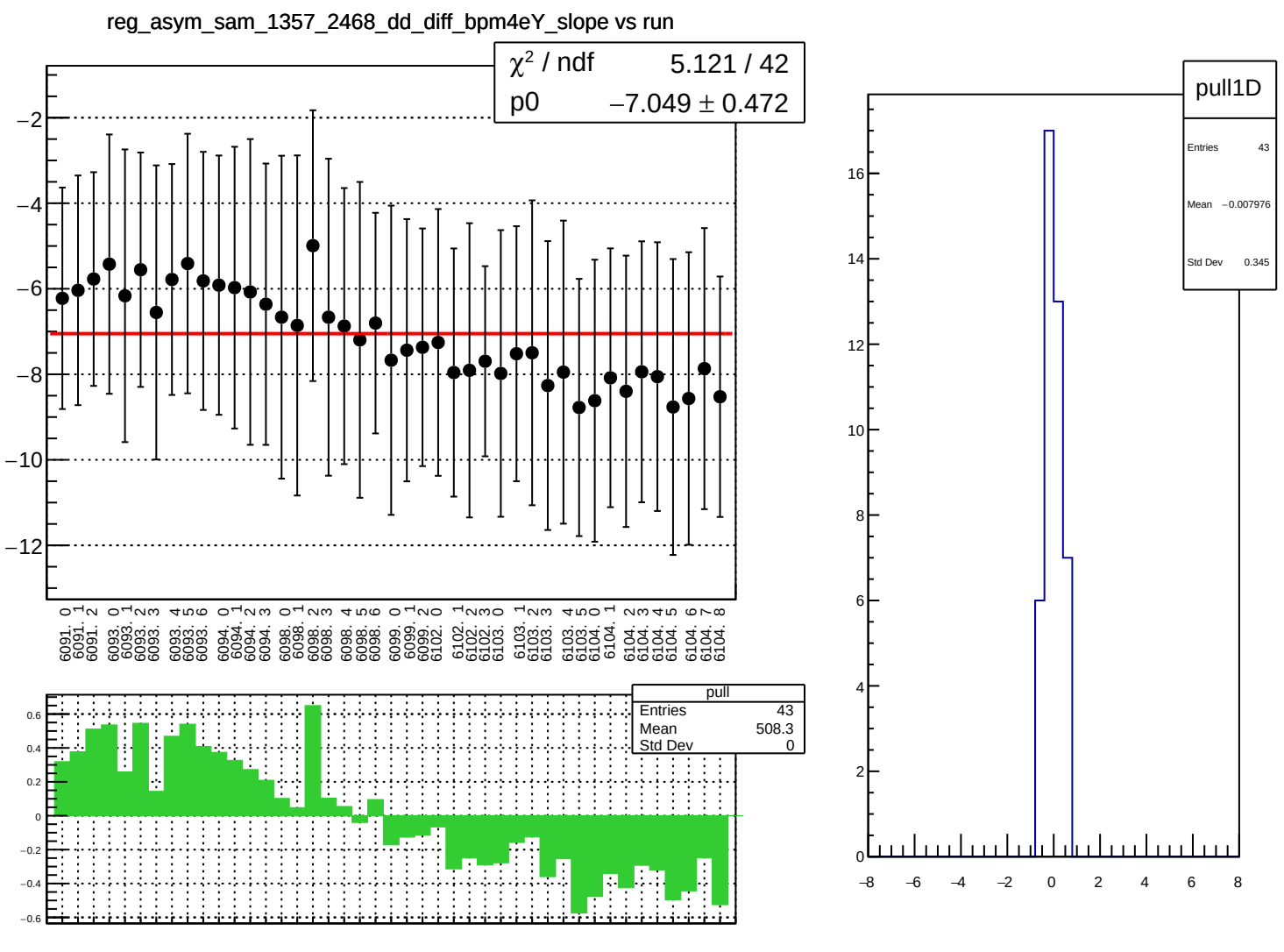

pull1D
Entries 43
Mean 0.001107
Std Dev 0.2275

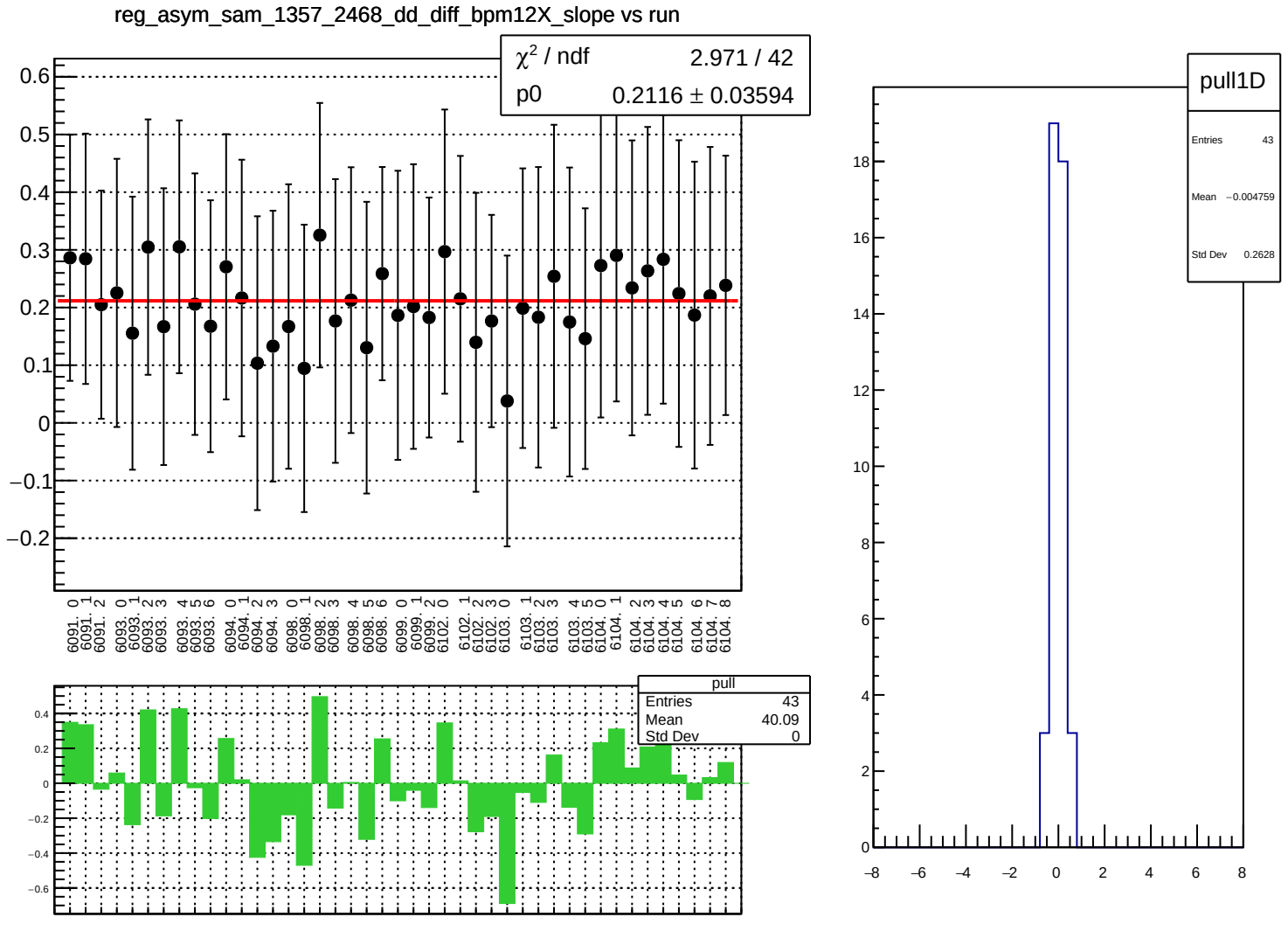

reg_asym_sam_1357_2468_dd_diff_bpm1X_slope vs run
χ² / ndf 1.395 / 42
p0 1.555 ± 0.3885
pull
Entries 43
Mean 132.1
Std Dev 0
pull1D
Entries 43
Mean −0.003459
Std Dev 0.1801

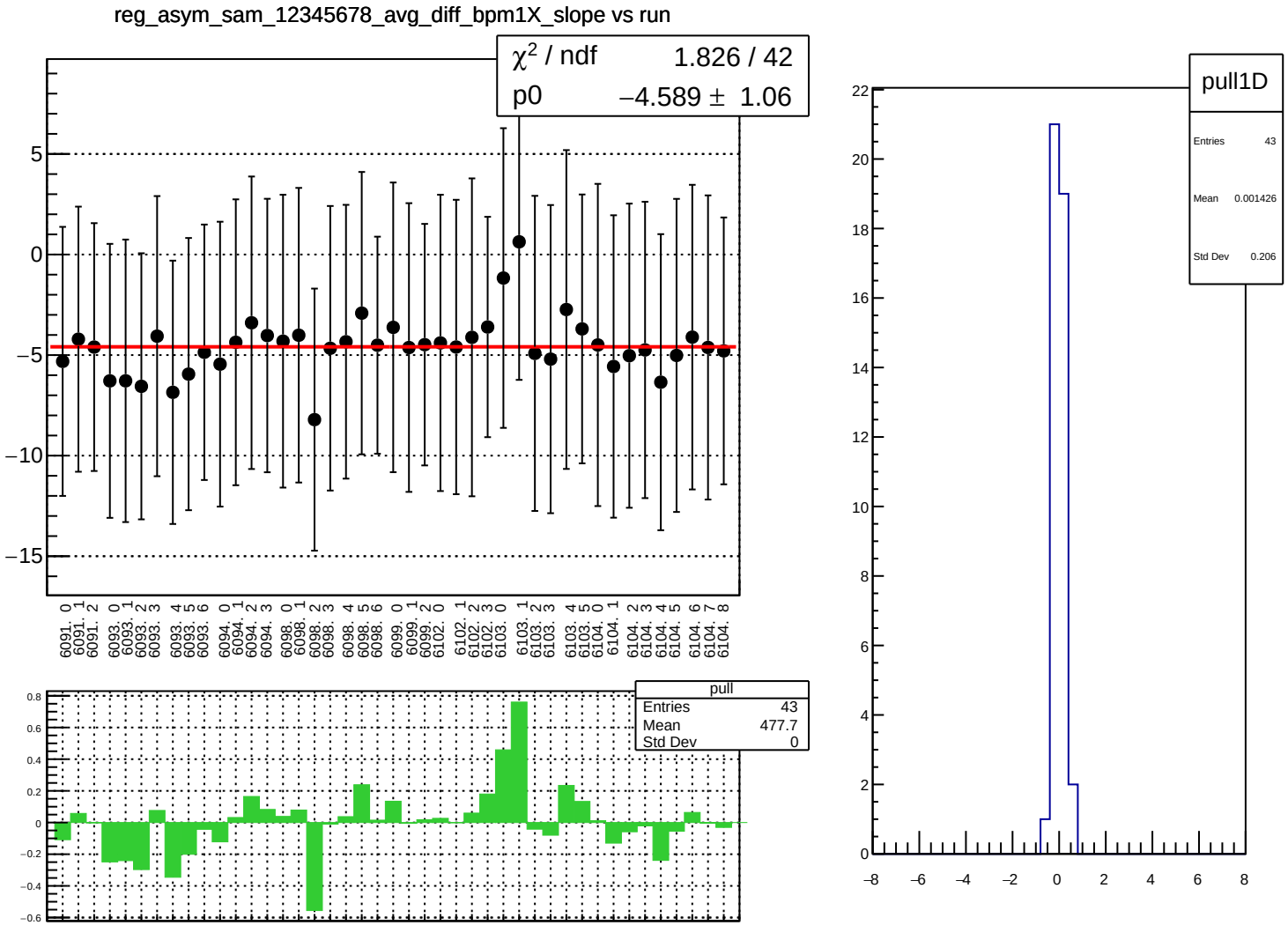

reg_asym_sam_1357_2468_dd_diff_bpm4aY_slope vs run
χ² / ndf 2.869 / 42
p0 1.511 ± 0.4465
pull
Entries 43
Mean 836.6
Std Dev 0

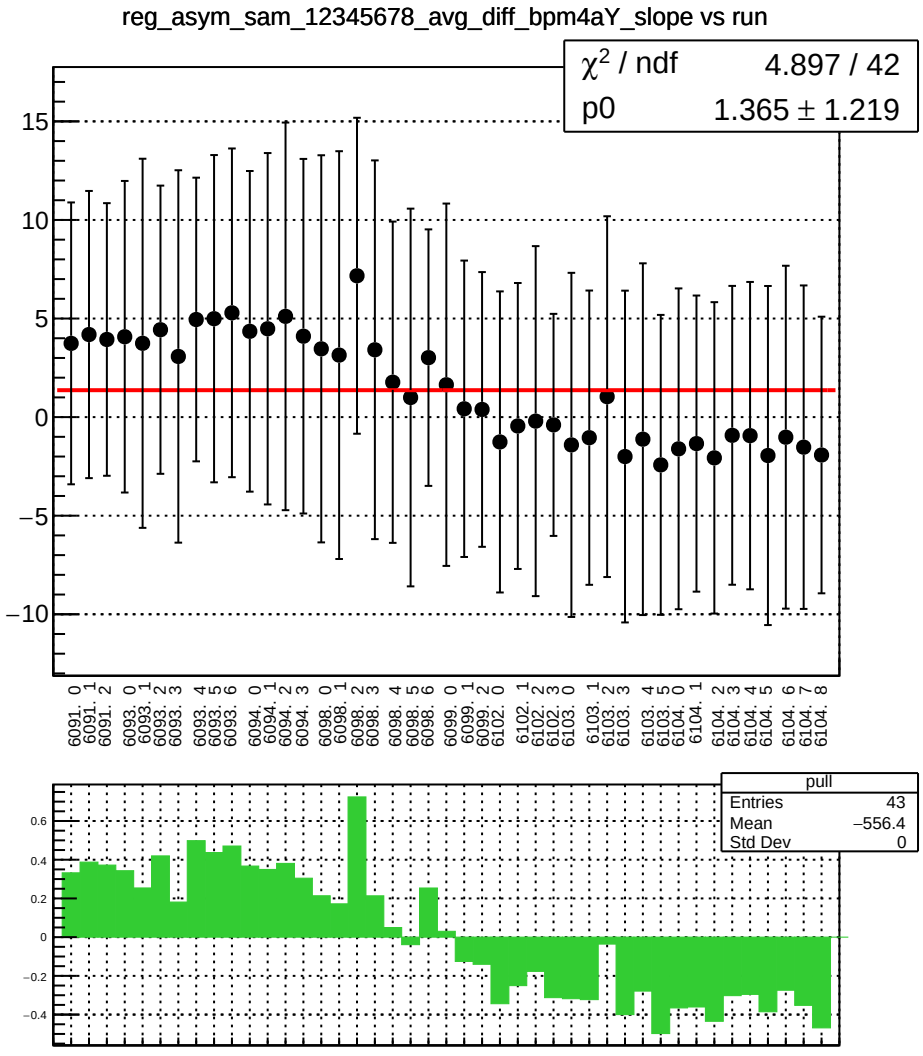

pull1D
Entries 43
Mean 0.003334
Std Dev 0.2583

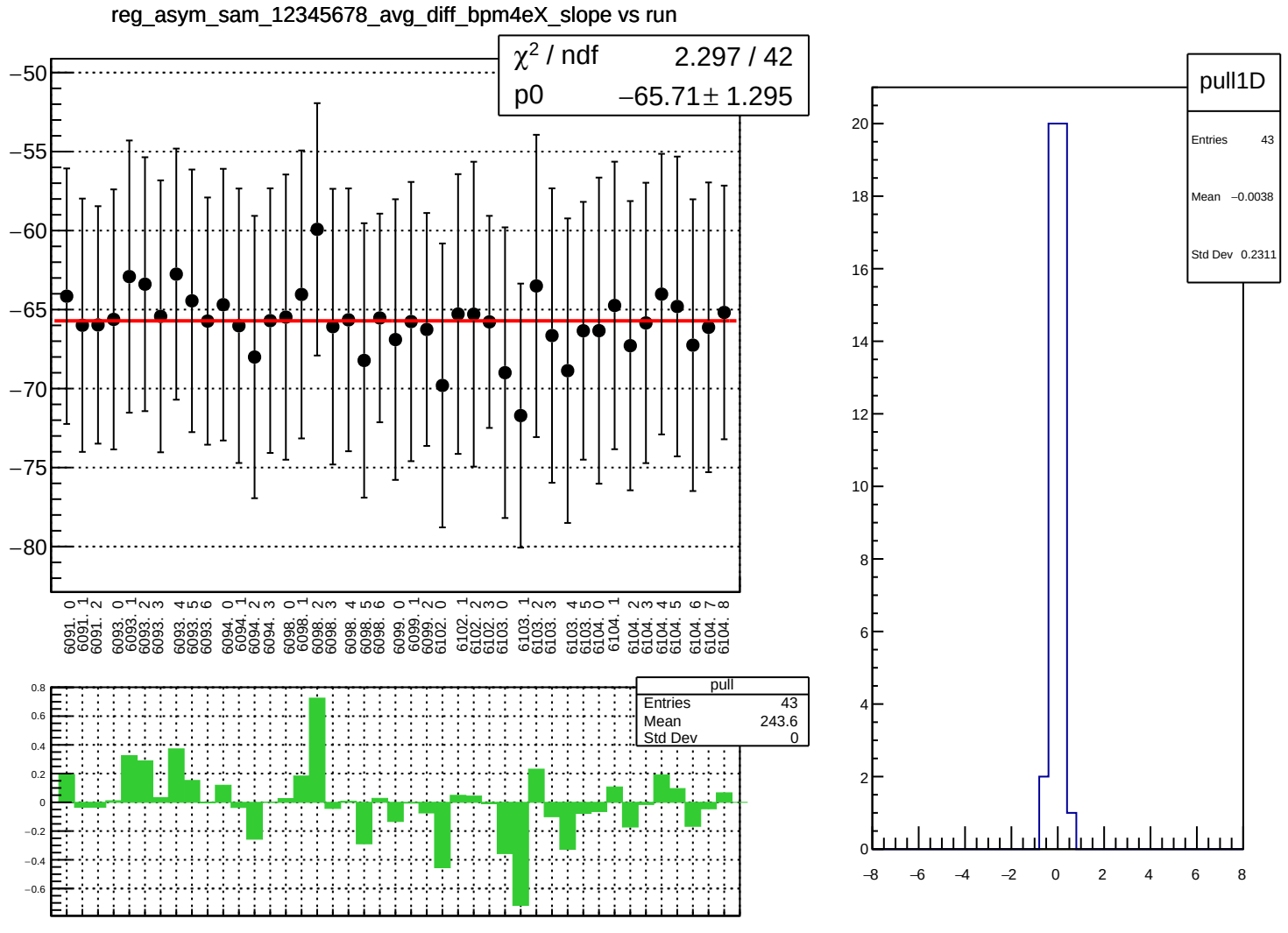

reg_asym_sam_1357_2468_dd_diff_bpm4eX_slope vs run
χ² / ndf 1.905 / 42
p0 24.51 ± 0.4745
30
28
26
24
22
20
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 151.8
Std Dev 0
0.2
0
−0.2
−0.4
−0.6
pull1D
Entries 43
Mean 0.009229
Std Dev 0.2103
22
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

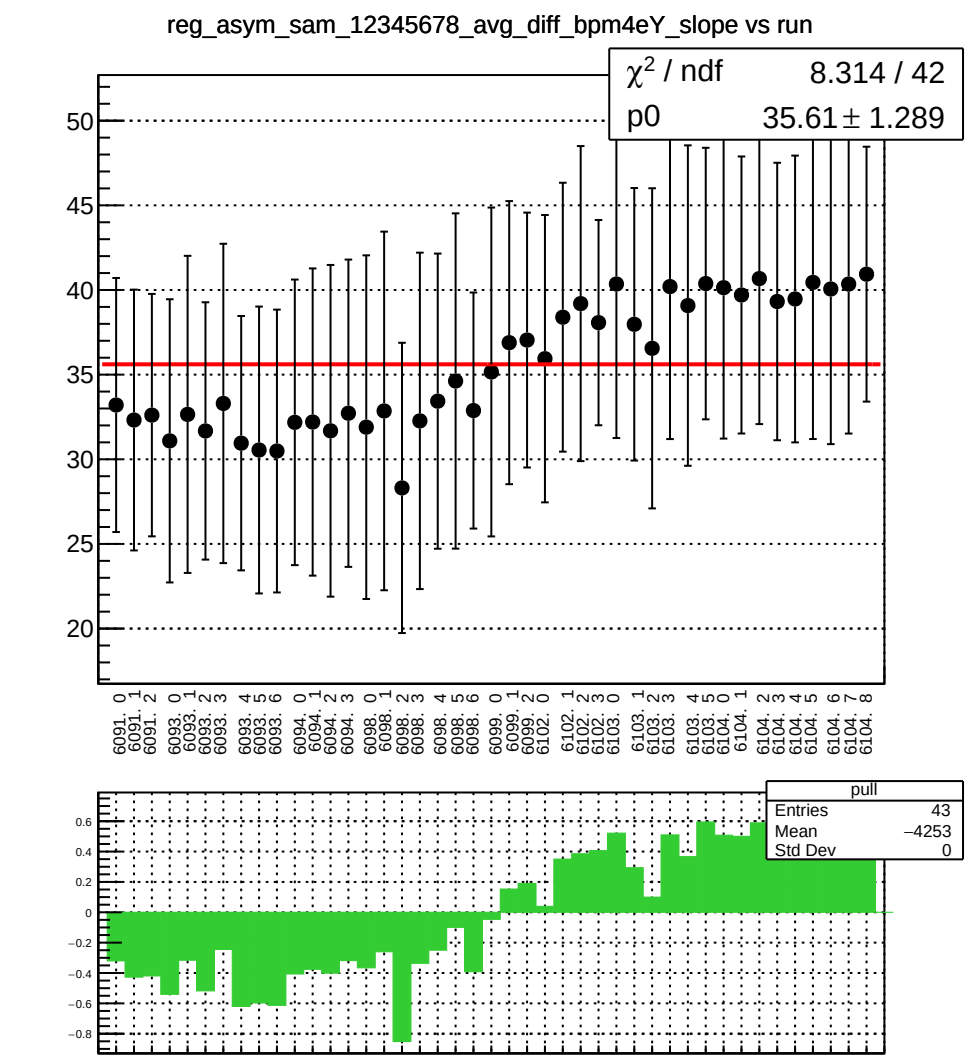

reg_asym_sam_1357_2468_dd_diff_bpm4eY_slope vs run
χ² / ndf 5.121 / 42
p0 −7.049 ± 0.472
−2
−4
−6
−8
−10
−12
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 508.3
Std Dev 0
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
pull1D
Entries 43
Mean −0.007976
Std Dev 0.345
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

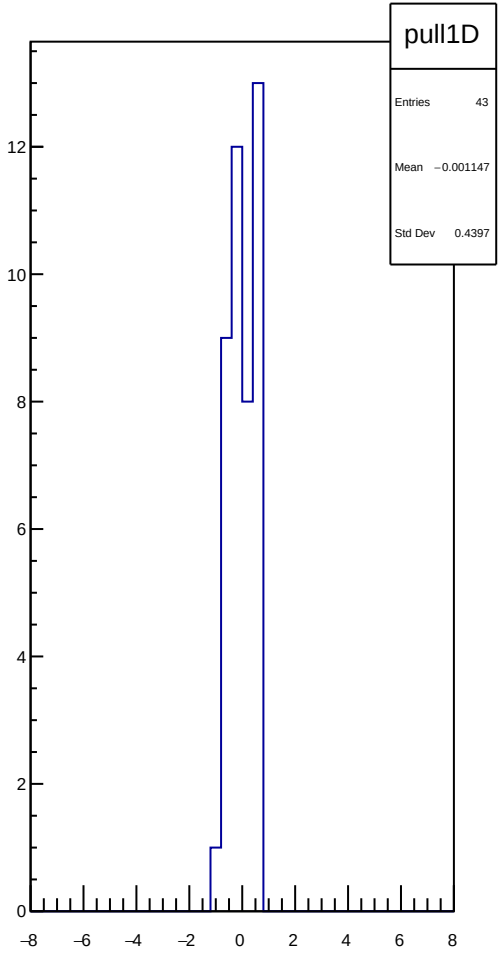

reg_asym_sam_1357_2468_dd_diff_bpm12X_slope vs run
χ² / ndf 2.971 / 42
p0 0.2116 ± 0.03594
pull
Entries 43
Mean 40.09
Std Dev 0
pull1D
Entries 43
Mean −0.004759
Std Dev 0.2628

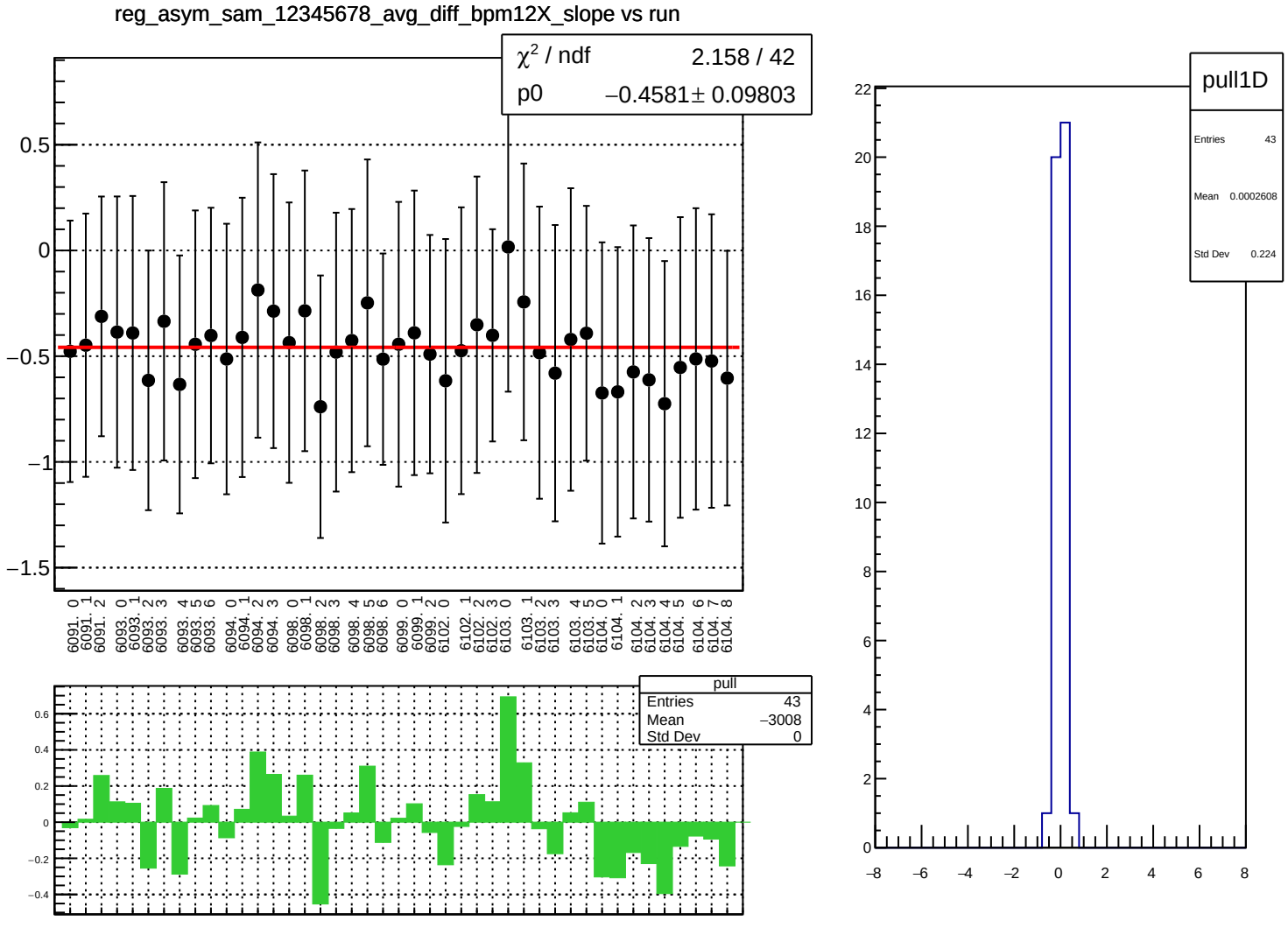

reg_asym_sam_12345678_avg_diff_bpm1X_slope vs run
χ² / ndf 1.826 / 42
p0 −4.589 ± 1.06
pull
Entries 43
Mean 477.7
Std Dev 0
pull1D
Entries 43
Mean 0.001426
Std Dev 0.206

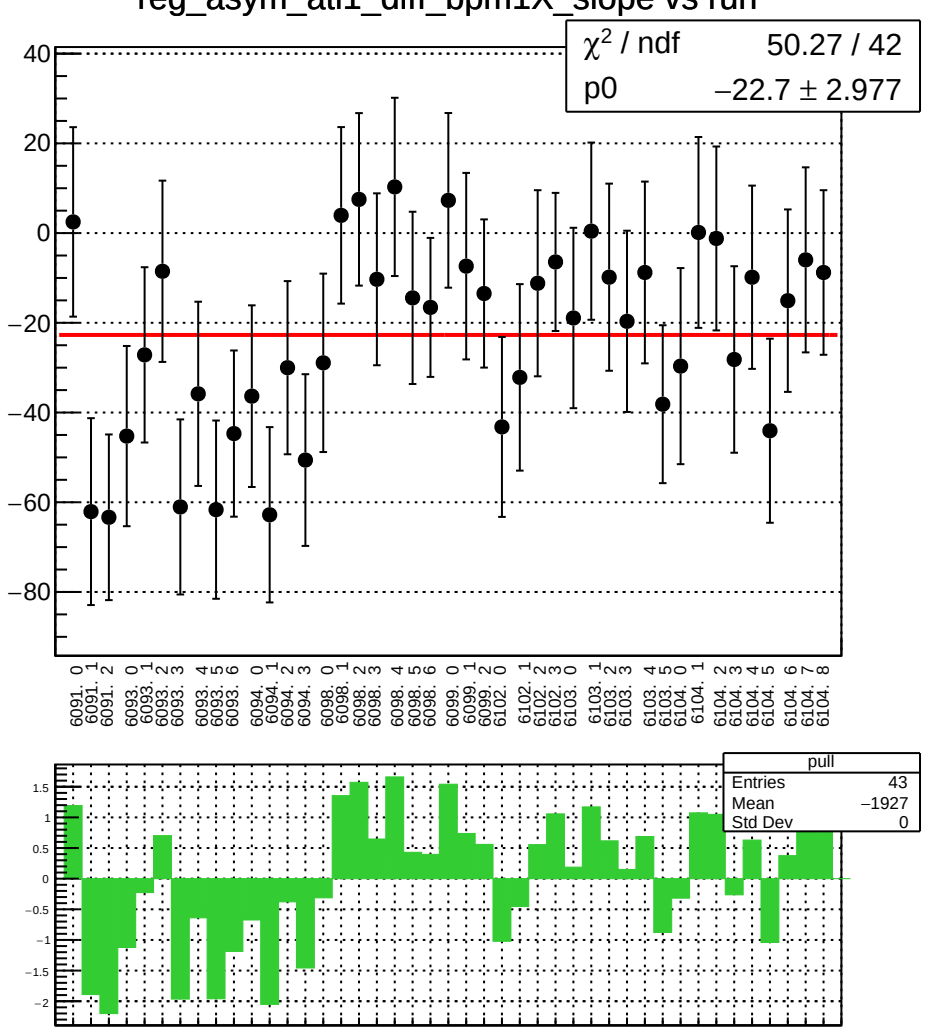

reg_asym_sam_12345678_avg_diff_bpm4aY_slope vs run
χ² / ndf 4.897 / 42
p0 1.365 ± 1.219
15
10
5
0
−5
−10
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean −556.4
Std Dev 0
0.6
0.4
0.2
0
−0.2
−0.4
pull1D
Entries 43
Mean 0.006412
Std Dev 0.3374
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

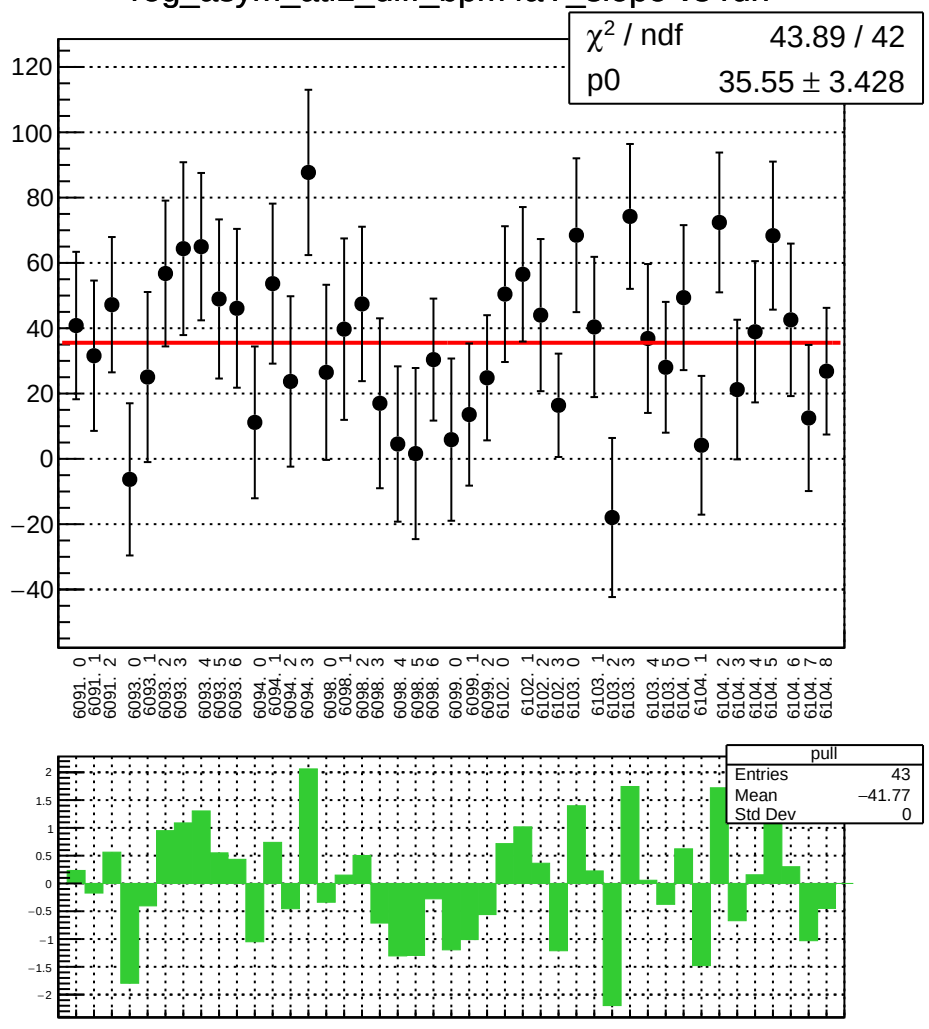

reg_asym_sam_12345678_avg_diff_bpm4eX_slope vs run
χ² / ndf 2.297 / 42
p0 −65.71± 1.295
pull
Entries 43
Mean 243.6
Std Dev 0
pull1D
Entries 43
Mean −0.0038
Std Dev 0.2311

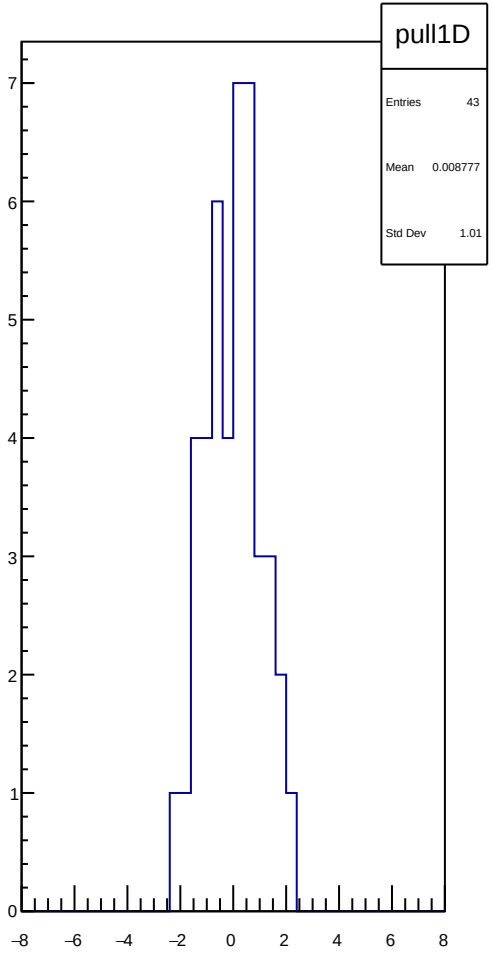

reg_asym_sam_12345678_avg_diff_bpm4eY_slope vs run
χ² / ndf 8.314 / 42
p0 35.61 ± 1.289
pull
Entries 43
Mean −4253
Std Dev 0

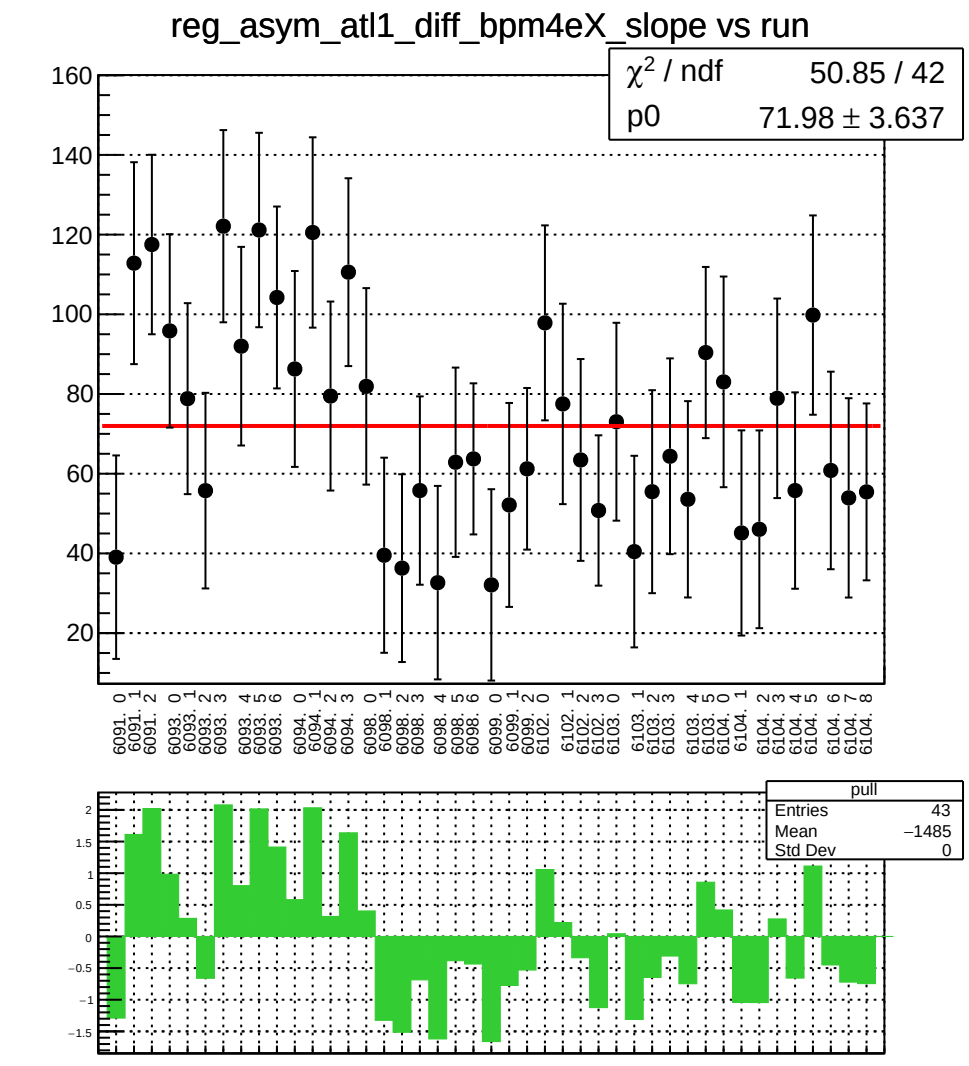

pull1D
Entries 43
Mean −0.001147
Std Dev 0.4397

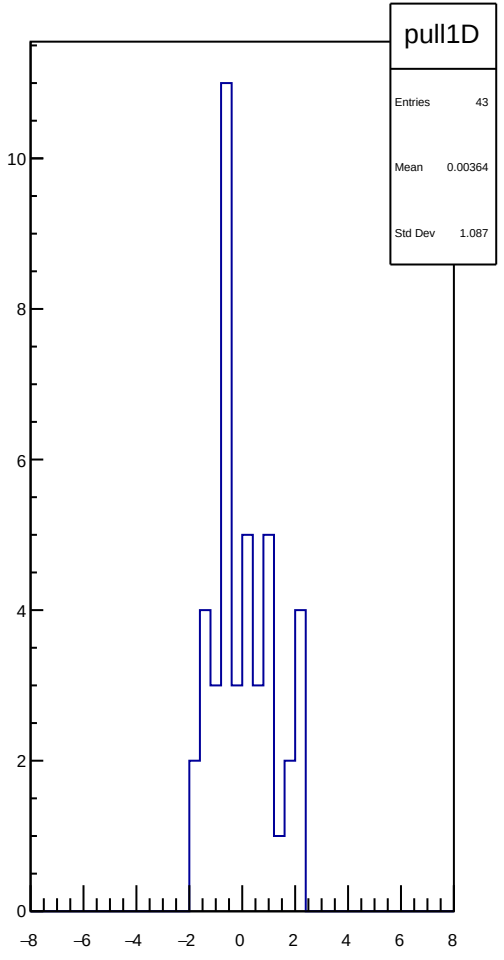

reg_asym_sam_12345678_avg_diff_bpm12X_slope vs run
χ² / ndf 2.158 / 42
p0 −0.4581± 0.09803
0.5
0
−0.5
−1
−1.5
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean −3008
Std Dev 0
0.6
0.4
0.2
0
−0.2
−0.4
pull1D
Entries 43
Mean 0.0002608
Std Dev 0.224
22
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

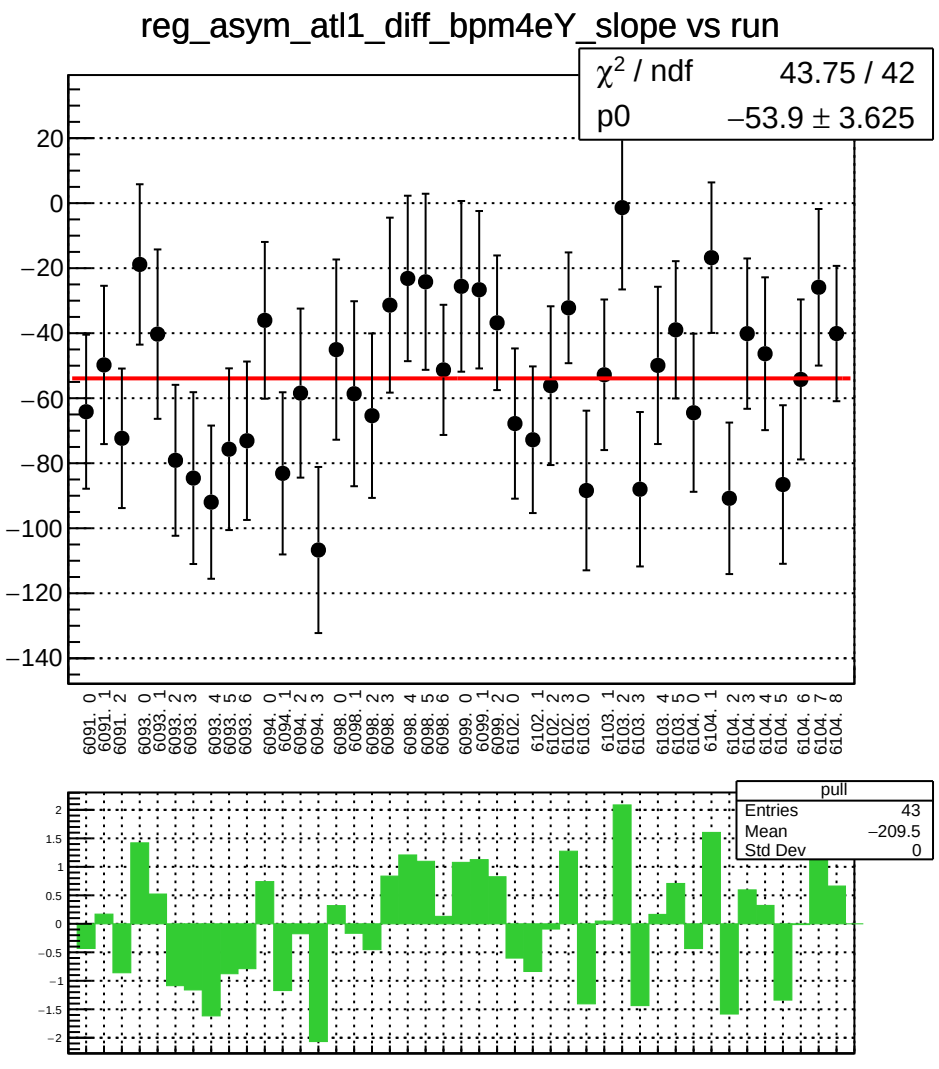

reg_asym_atl1_diff_bpm1X_slope vs run
χ² / ndf 50.27 / 42
p0 −22.7 ± 2.977
40
20
0
−20
−40
−60
−80
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean −1927
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 43
Mean −0.002871
Std Dev 1.081
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

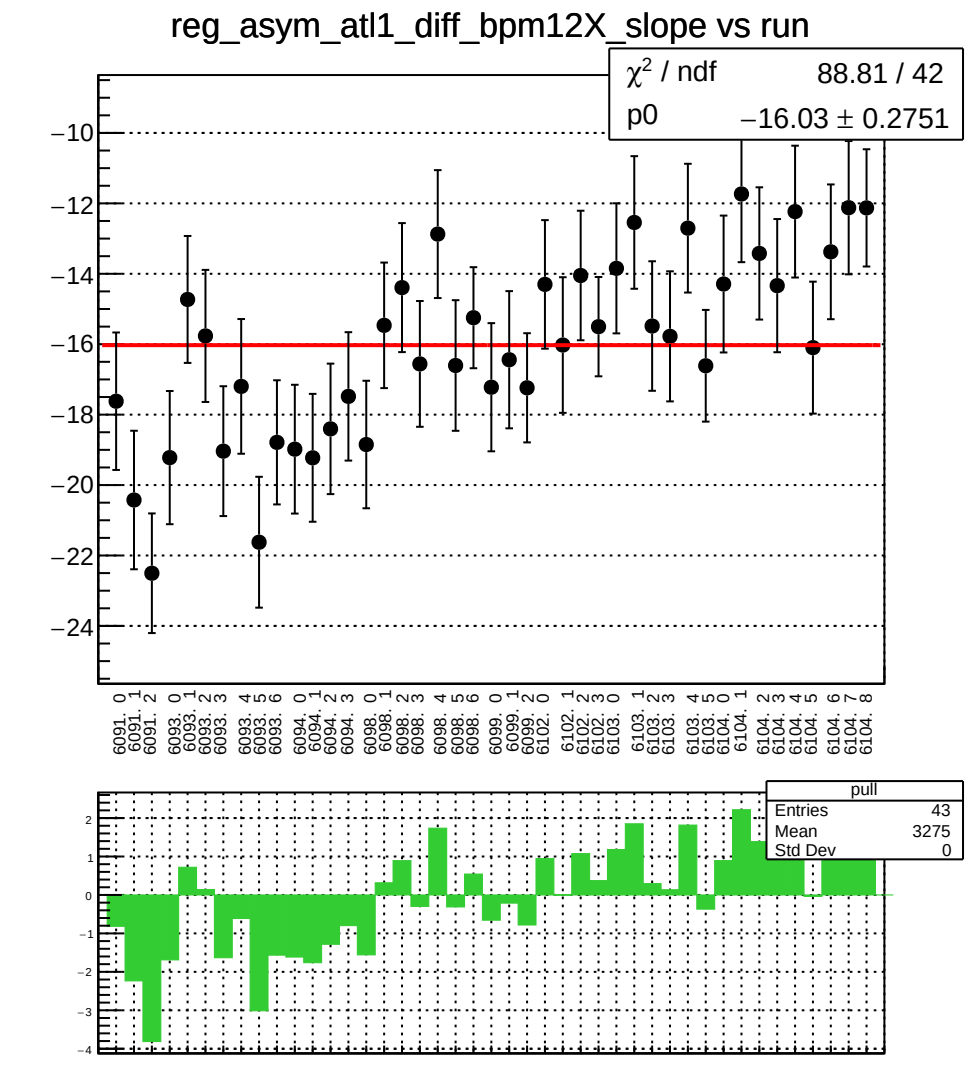

reg_asym_atl1_diff_bpm4aY_slope vs run
χ² / ndf 43.89 / 42
p0 35.55 ± 3.428
pull
Entries 43
Mean −41.77
Std Dev 0
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

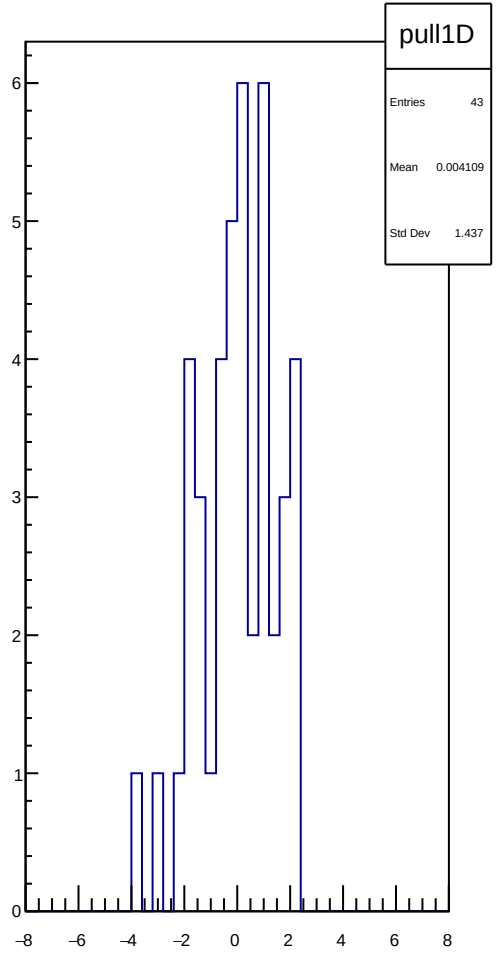

pull1D
Entries 43
Mean 0.008777
Std Dev 1.01

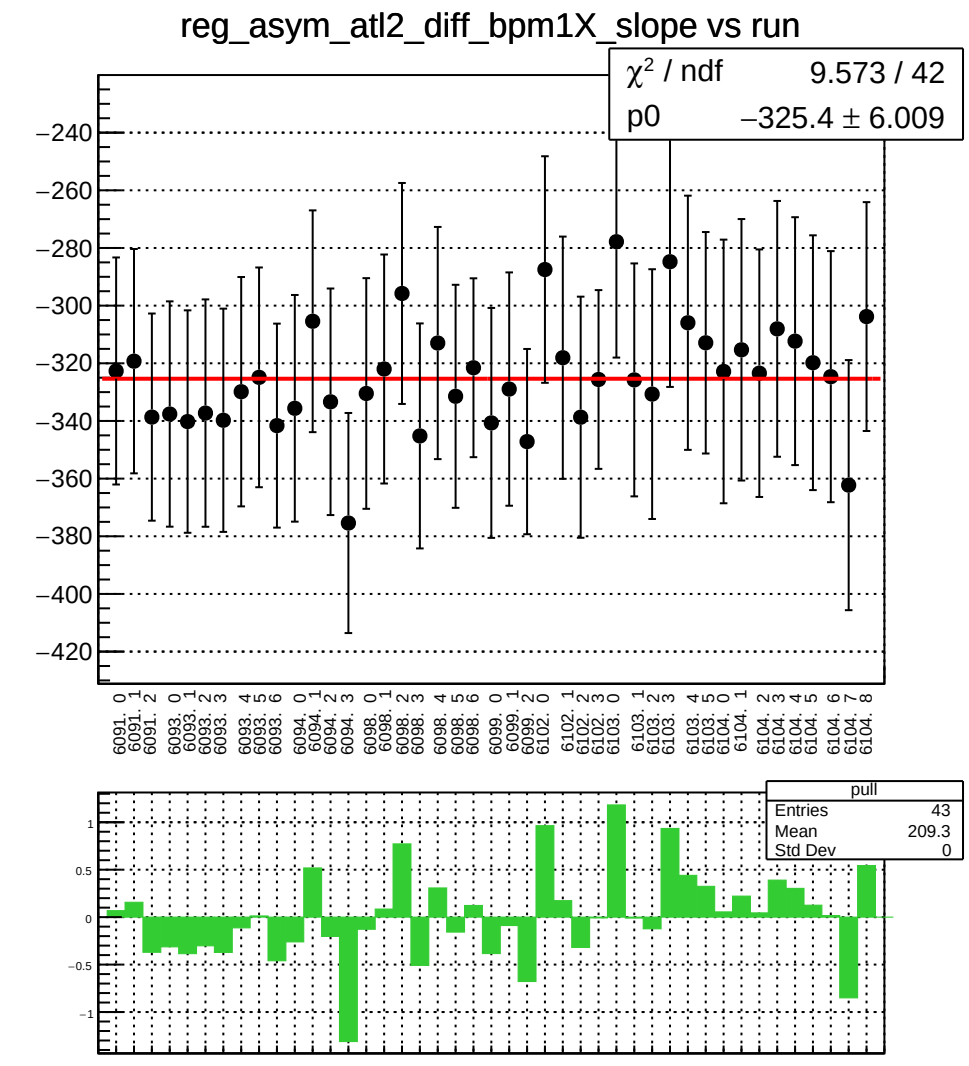

reg_asym_atl1_diff_bpm4eX_slope vs run
χ² / ndf 50.85 / 42
p0 71.98 ± 3.637
pull
Entries 43
Mean −1485
Std Dev 0

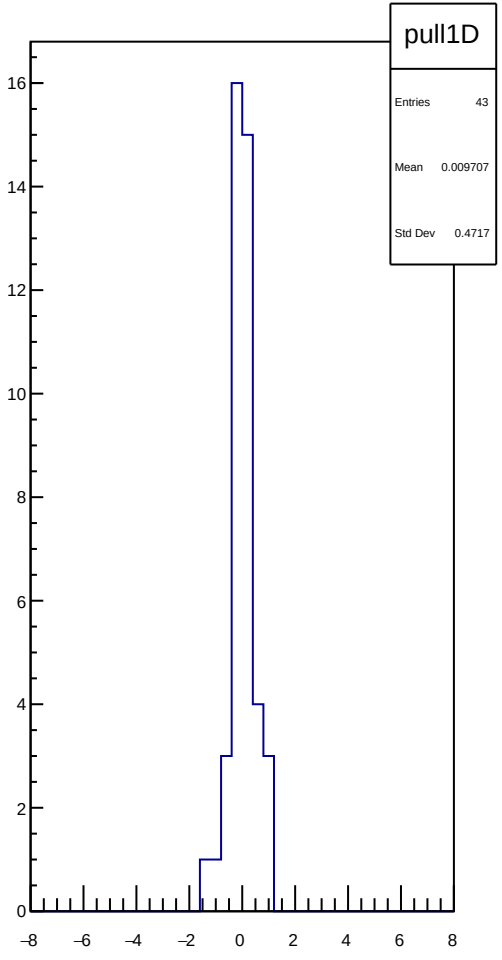

pull1D
Entries 43
Mean 0.00364
Std Dev 1.087

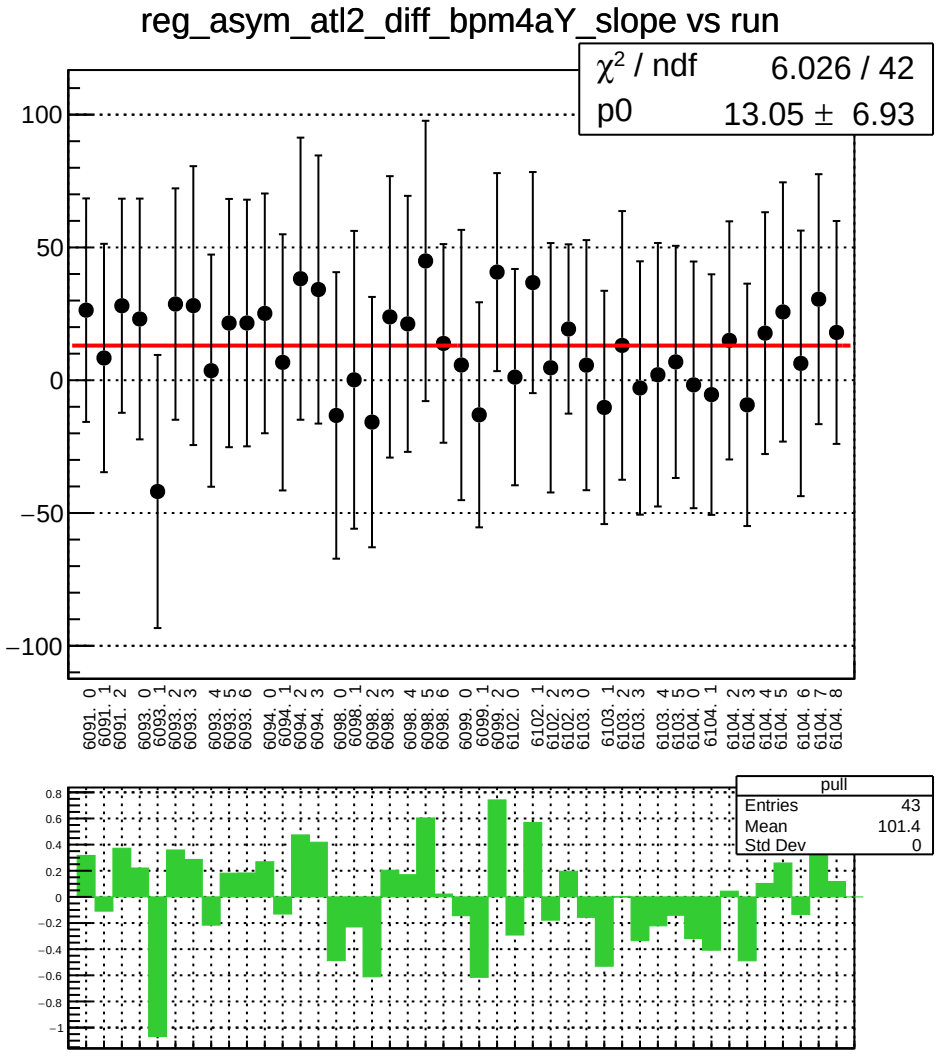

reg_asym_atl1_diff_bpm4eY_slope vs run
χ² / ndf 43.75 / 42
p0 −53.9 ± 3.625
20
0
−20
−40
−60
−80
−100
−120
−140
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean −209.5
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 43
Mean −0.01109
Std Dev 1.009
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

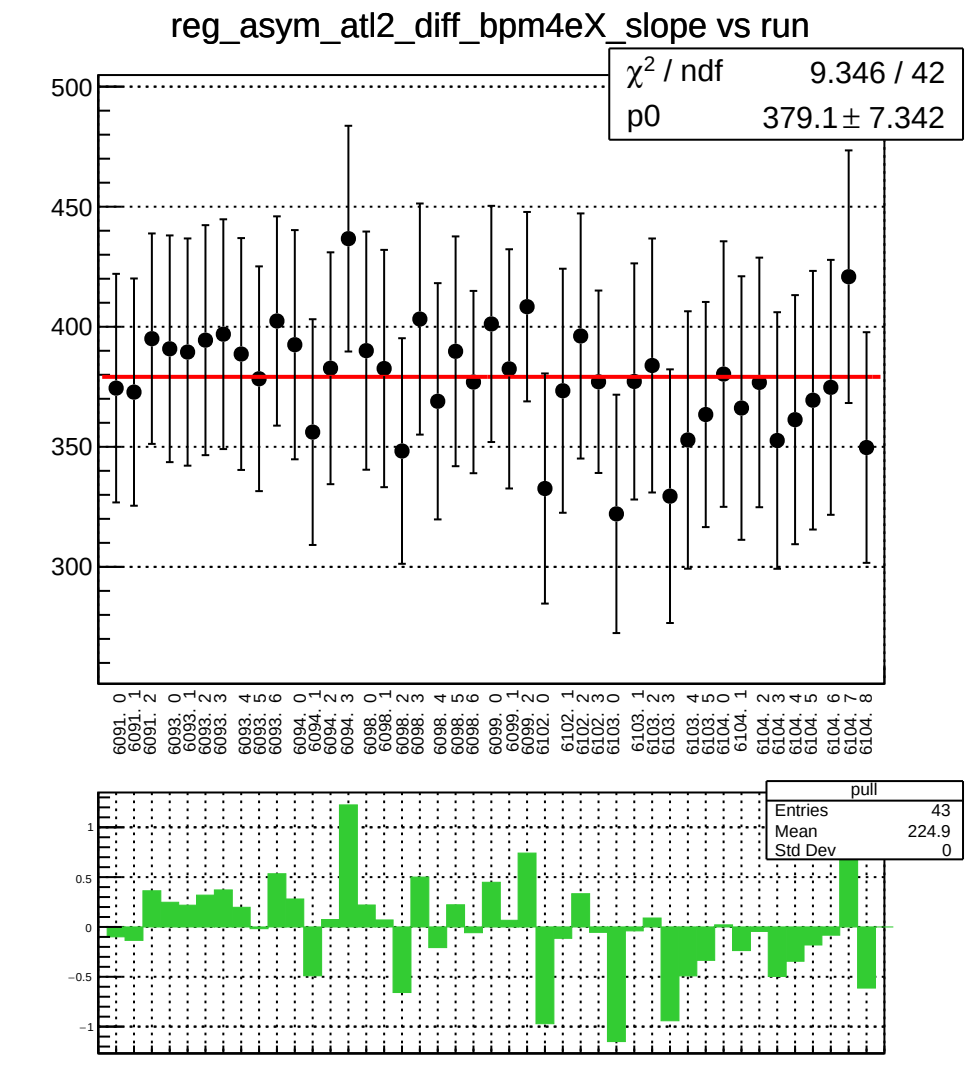

reg_asym_atl1_diff_bpm12X_slope vs run
χ² / ndf 88.81 / 42
p0 −16.03 ± 0.2751
pull
Entries 43
Mean 3275
Std Dev 0

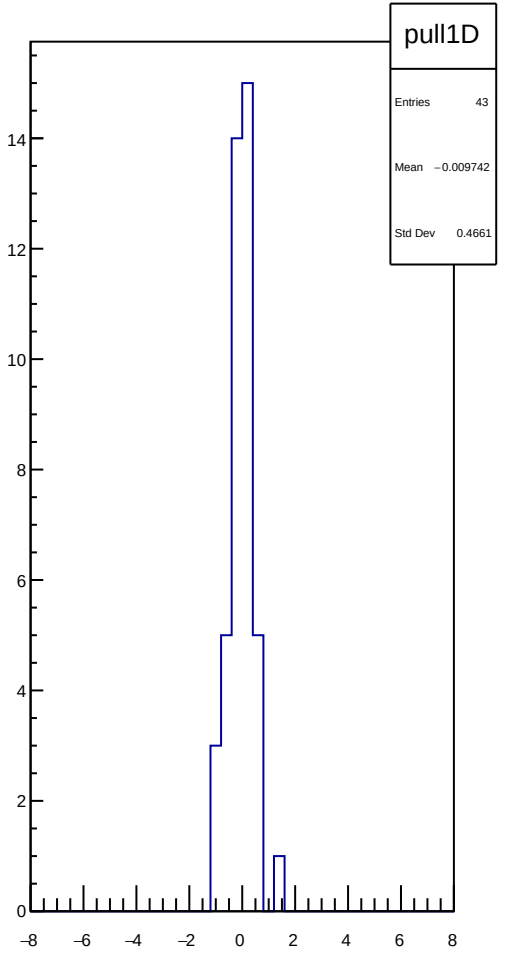

pull1D
Entries 43
Mean 0.004109
Std Dev 1.437

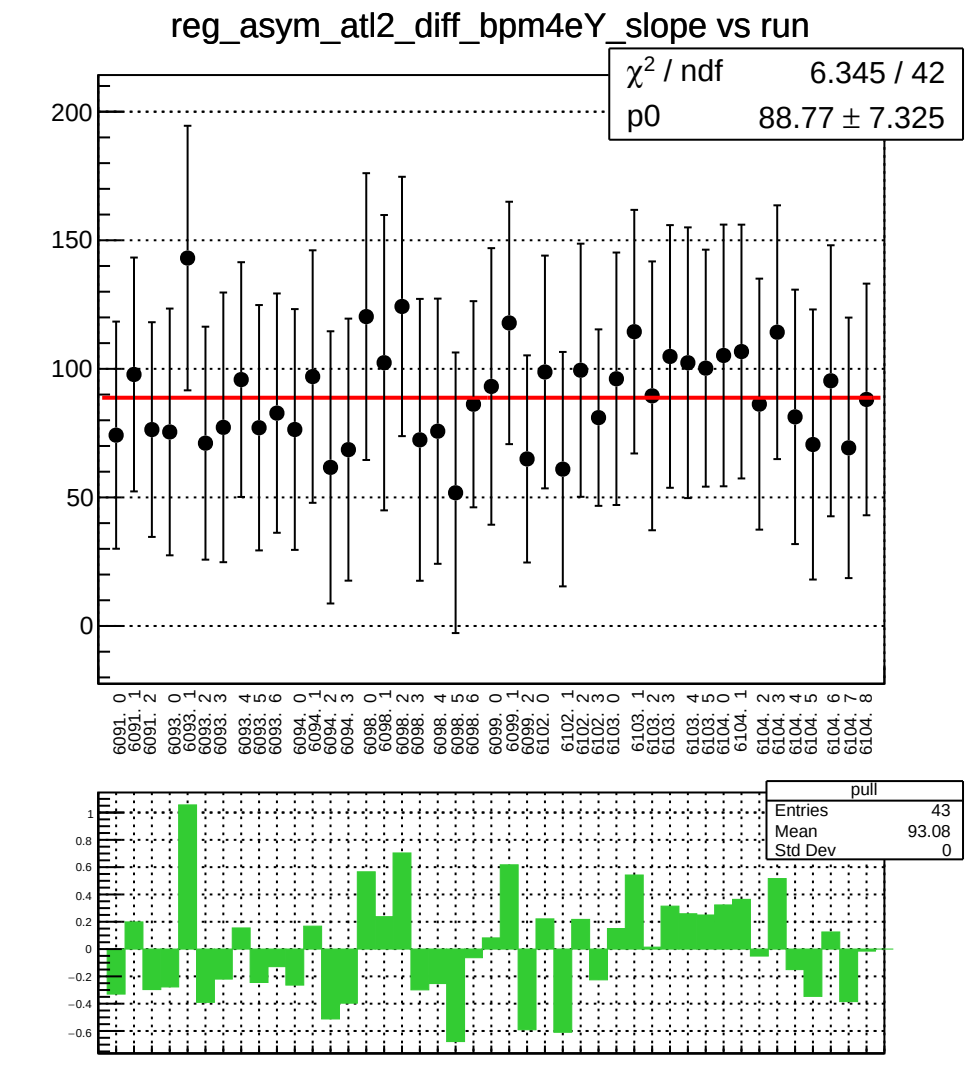

reg_asym_atl2_diff_bpm1X_slope vs run
χ² / ndf 9.573 / 42
p0 −325.4 ± 6.009
−240
−260
−280
−300
−320
−340
−360
−380
−400
−420
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 209.3
Std Dev 0
1
0.5
0
−0.5
−1

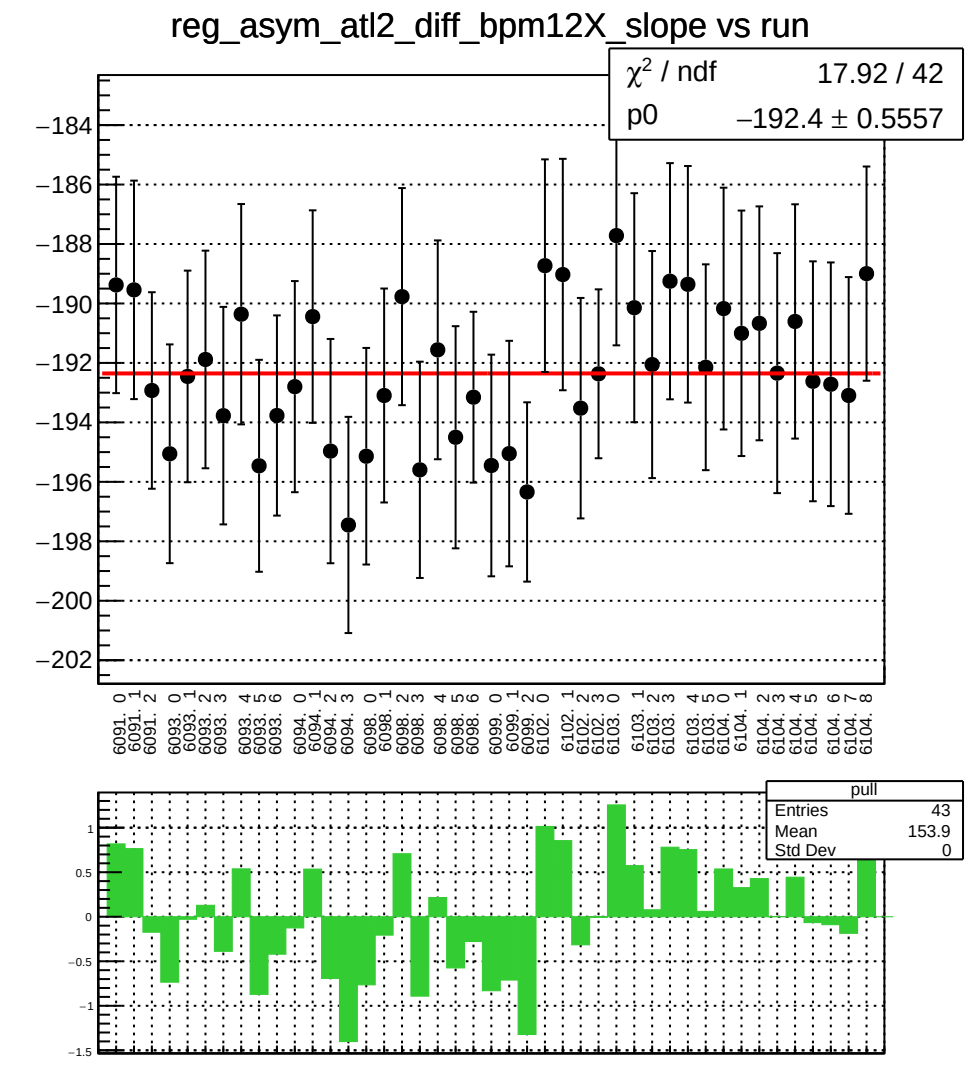

pull1D
Entries 43
Mean 0.009707
Std Dev 0.4717
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

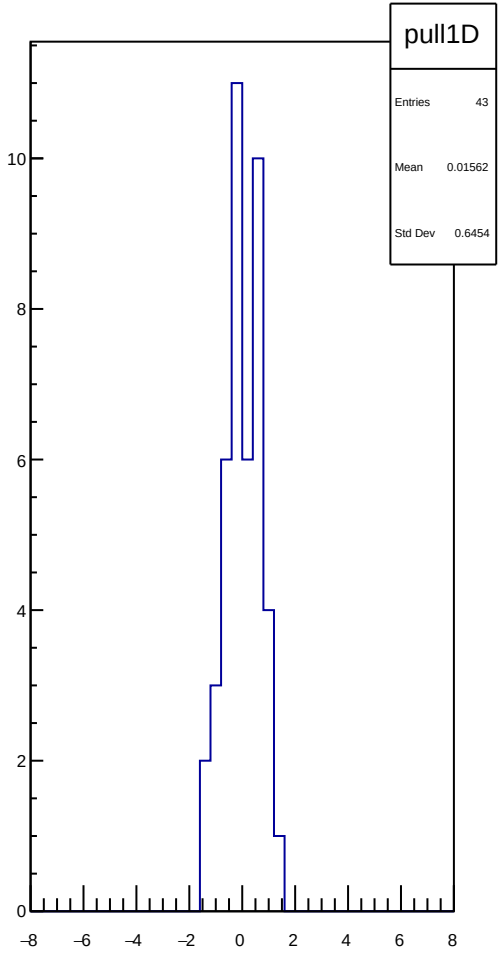

reg_asym_atl2_diff_bpm4aY_slope vs run
χ² / ndf 6.026 / 42
p0 13.05 ± 6.93
100
50
0
−50
−100
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 101.4
Std Dev 0
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
−1
pull1D
Entries 43
Mean −0.007681
Std Dev 0.3743
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

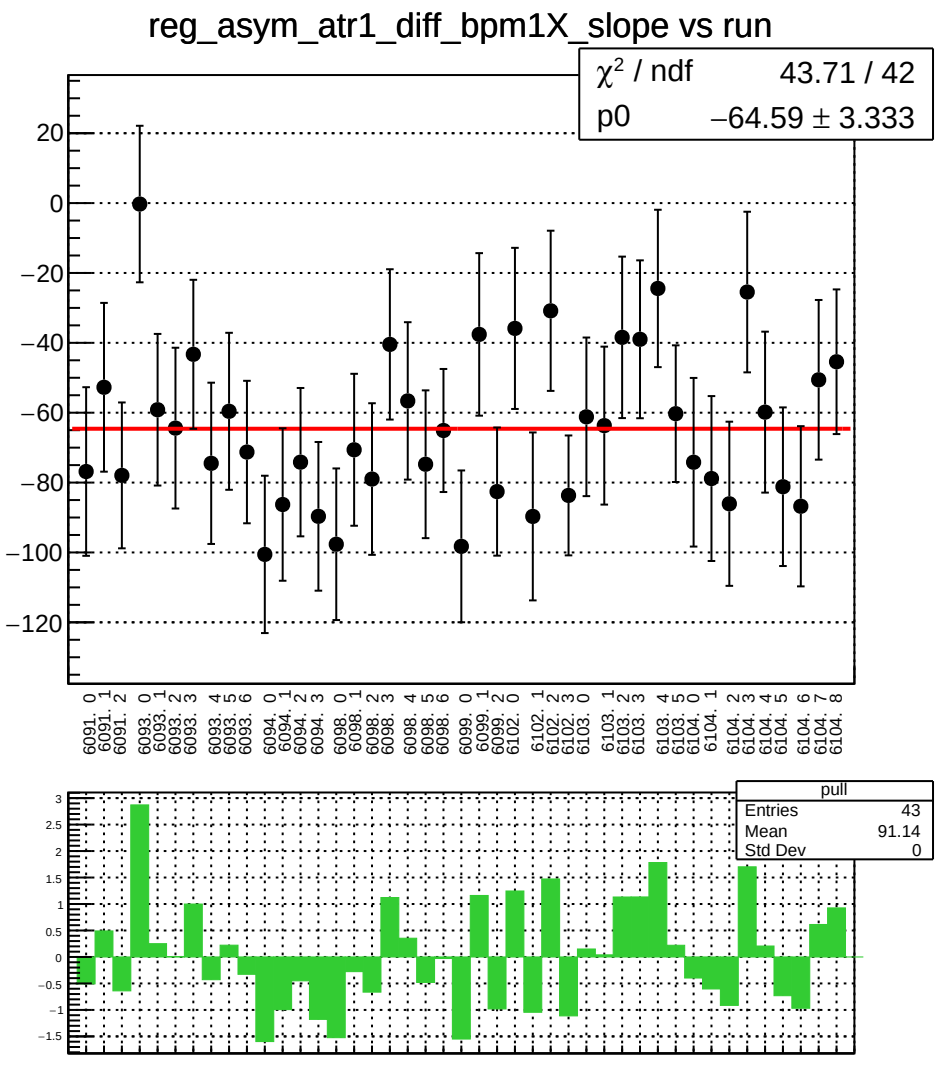

reg_asym_atl2_diff_bpm4eX_slope vs run
χ² / ndf 9.346 / 42
p0 379.1 ± 7.342
500
450
400
350
300
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 224.9
Std Dev 0
1
0.5
0
−0.5
−1

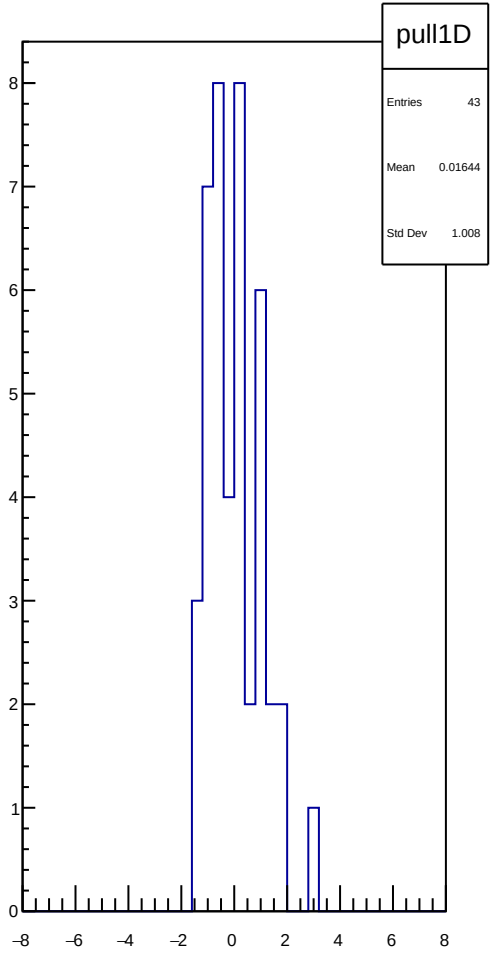

pull1D
Entries 43
Mean −0.009742
Std Dev 0.4661
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

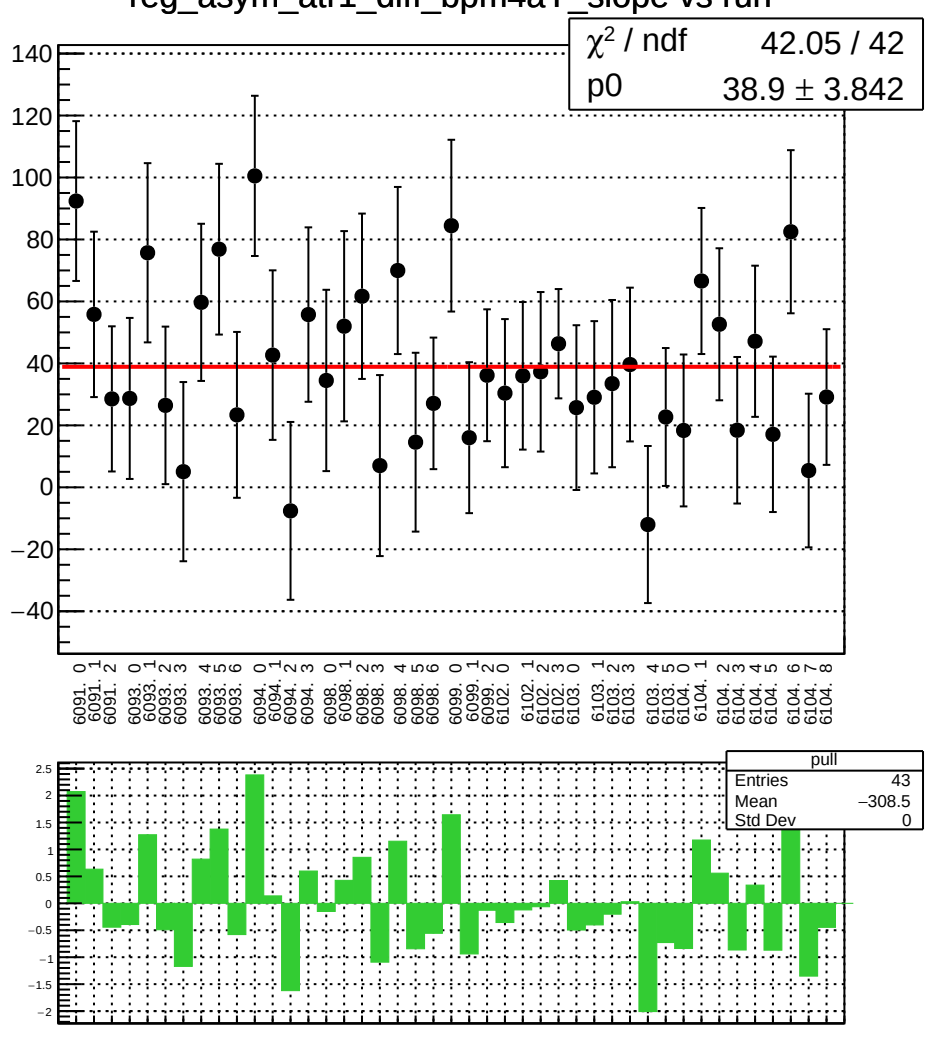

reg_asym_atl2_diff_bpm4eY_slope vs run
χ² / ndf 6.345 / 42
p0 88.77 ± 7.325
200
150
100
50
0
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 93.08
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
pull1D
Entries 43
Mean 0.008268
Std Dev 0.3841
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

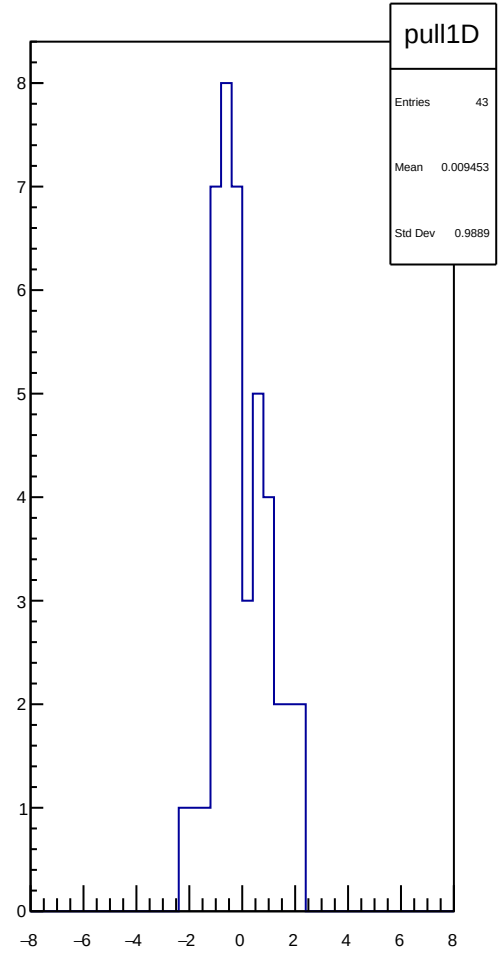

reg_asym_atl2_diff_bpm12X_slope vs run
χ² / ndf 17.92 / 42
p0 −192.4 ± 0.5557
pull
Entries 43
Mean 153.9
Std Dev 0

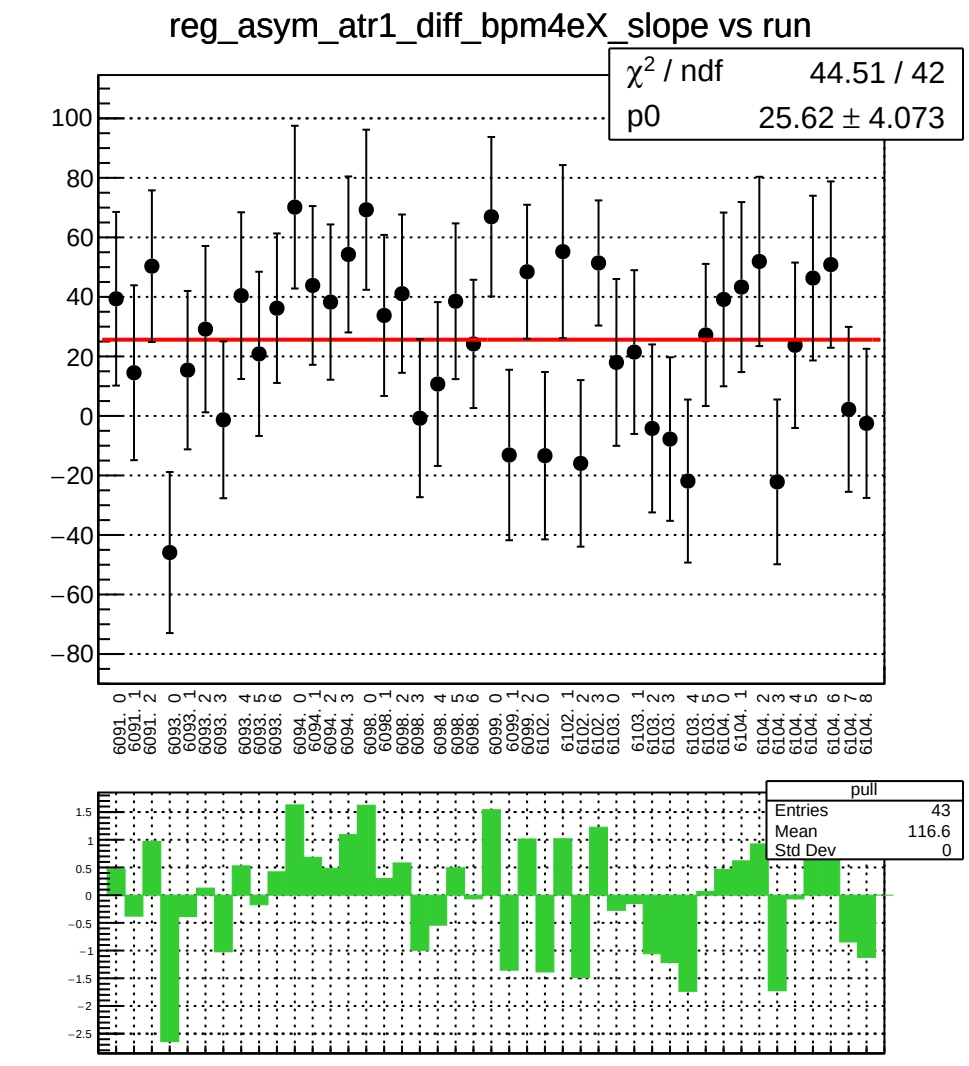

pull1D
Entries 43
Mean 0.01562
Std Dev 0.6454

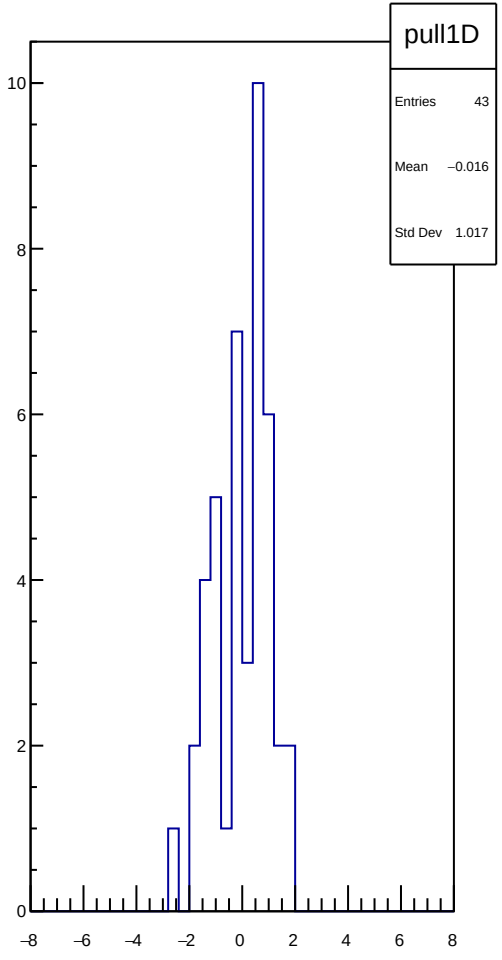

reg_asym_atr1_diff_bpm1X_slope vs run
χ² / ndf 43.71 / 42
p0 −64.59 ± 3.333
pull
Entries 43
Mean 91.14
Std Dev 0

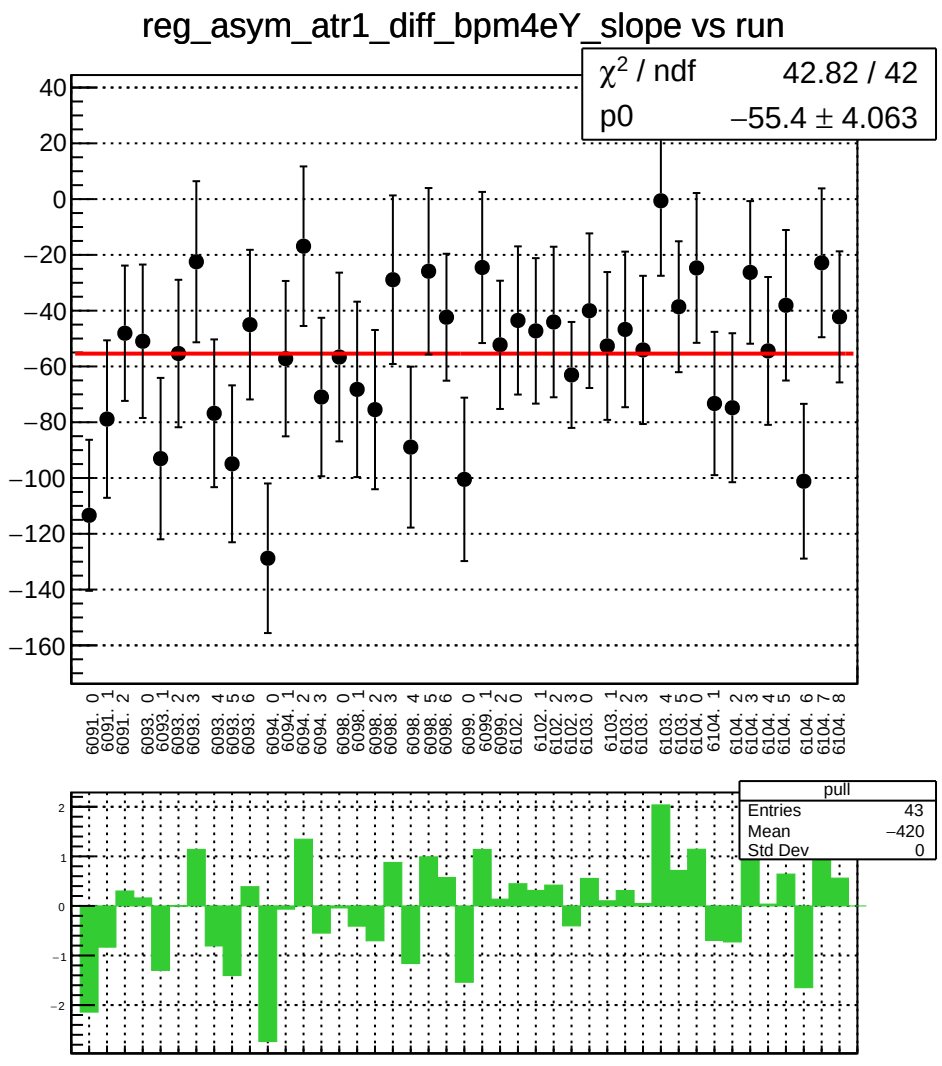

pull1D
Entries 43
Mean 0.01644
Std Dev 1.008

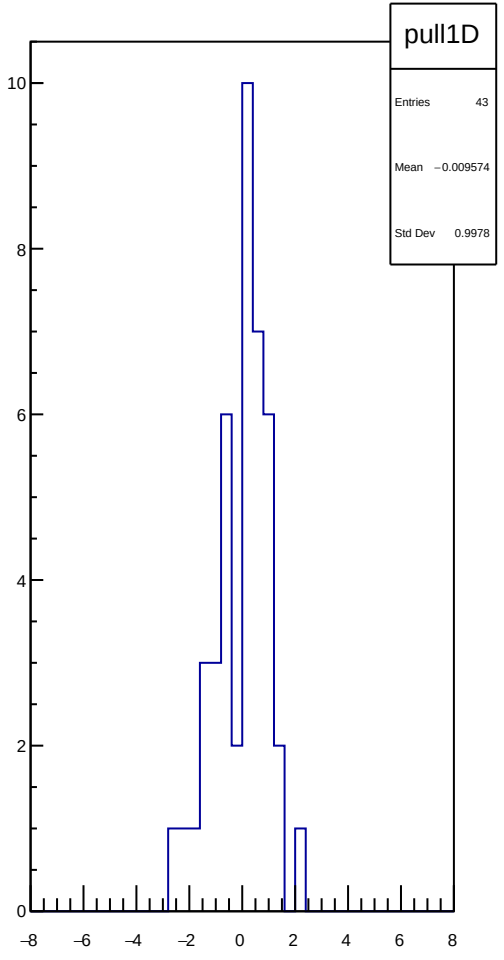

reg_asym_atr1_diff_bpm4aY_slope vs run
χ² / ndf 42.05 / 42
p0 38.9 ± 3.842
140
120
100
80
60
40
20
0
−20
−40
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean −308.5
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

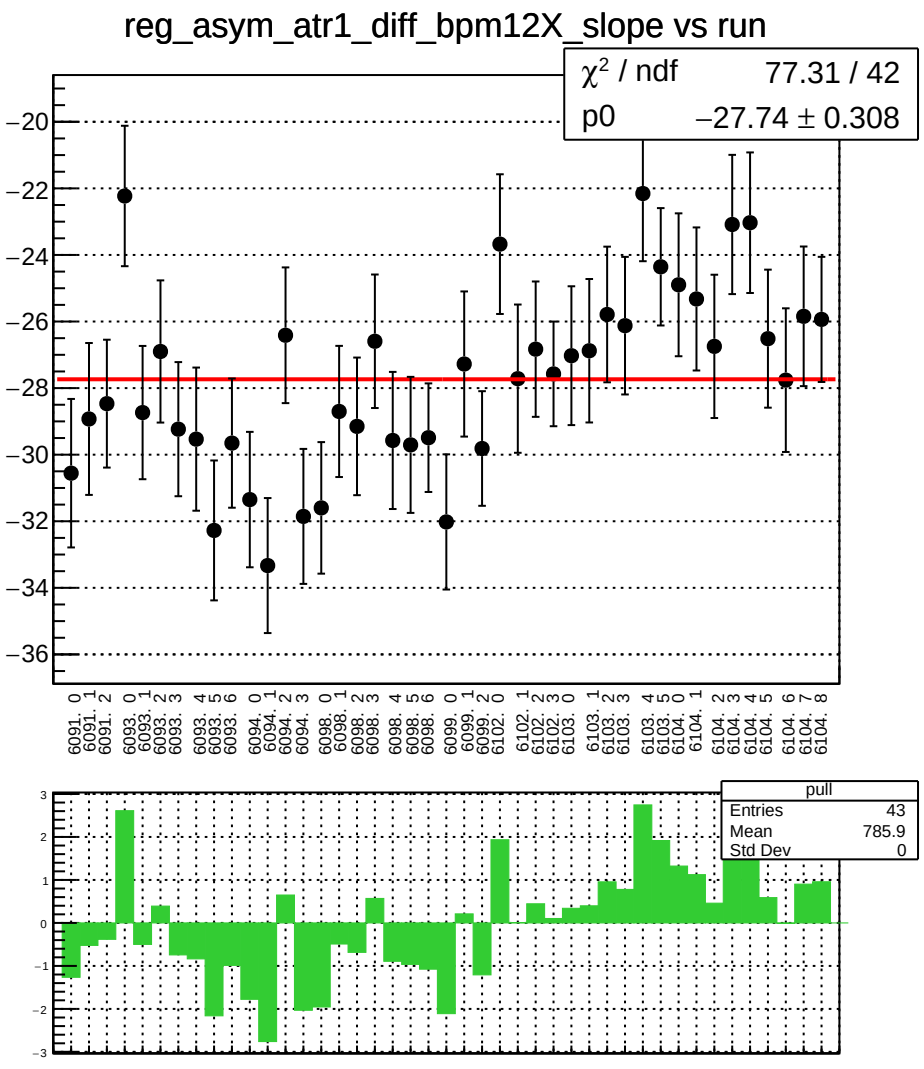

pull1D
Entries 43
Mean 0.009453
Std Dev 0.9889
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

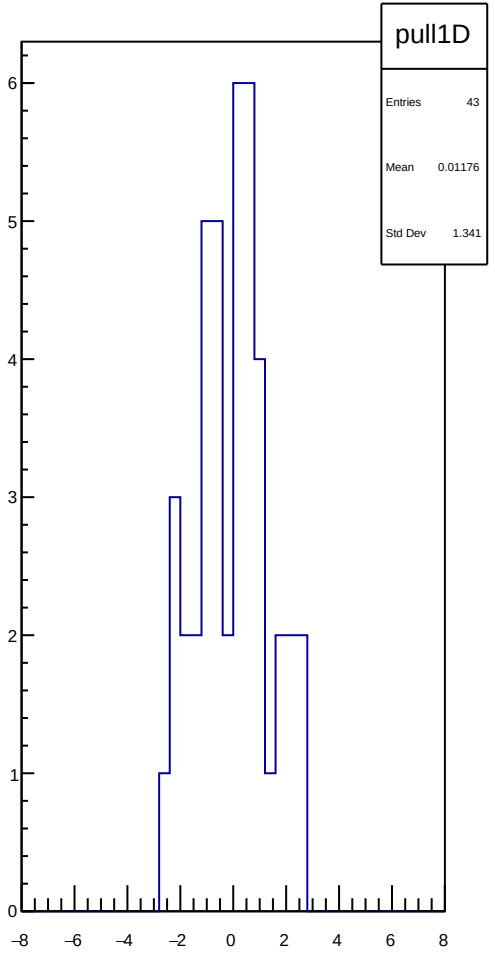

reg_asym_atr1_diff_bpm4eX_slope vs run
χ² / ndf 44.51 / 42
p0 25.62 ± 4.073
pull
Entries 43
Mean 116.6
Std Dev 0

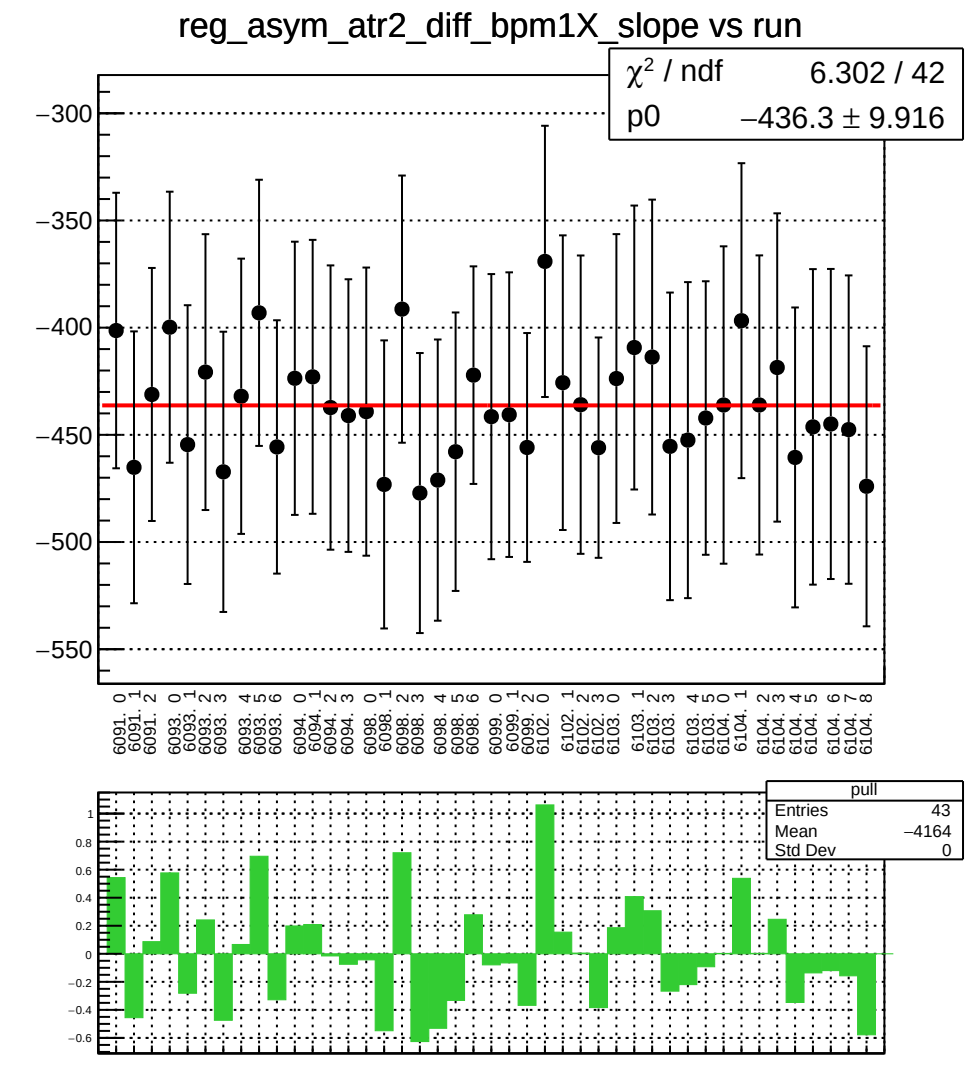

pull1D
Entries 43
Mean −0.016
Std Dev 1.017

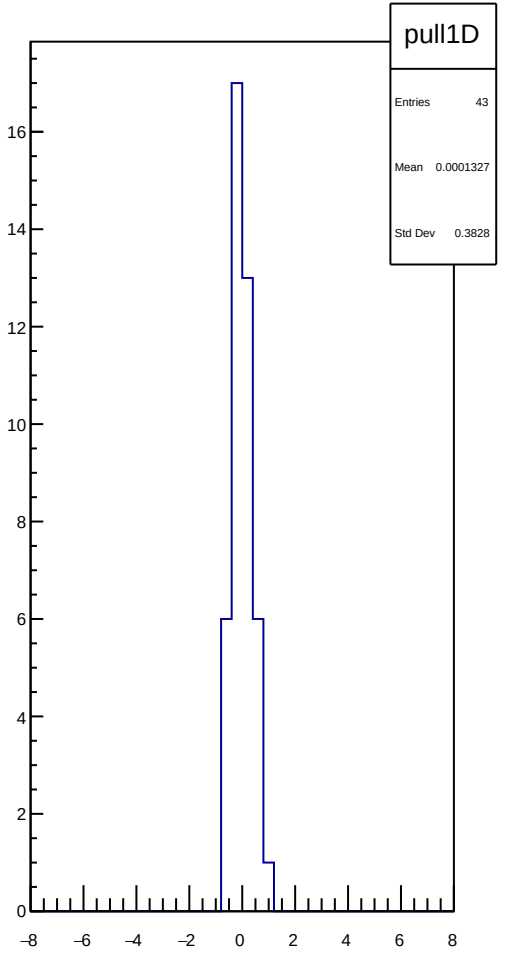

reg_asym_atr1_diff_bpm4eY_slope vs run
χ² / ndf 42.82 / 42
p0 −55.4 ± 4.063
pull
Entries 43
Mean −420
Std Dev 0

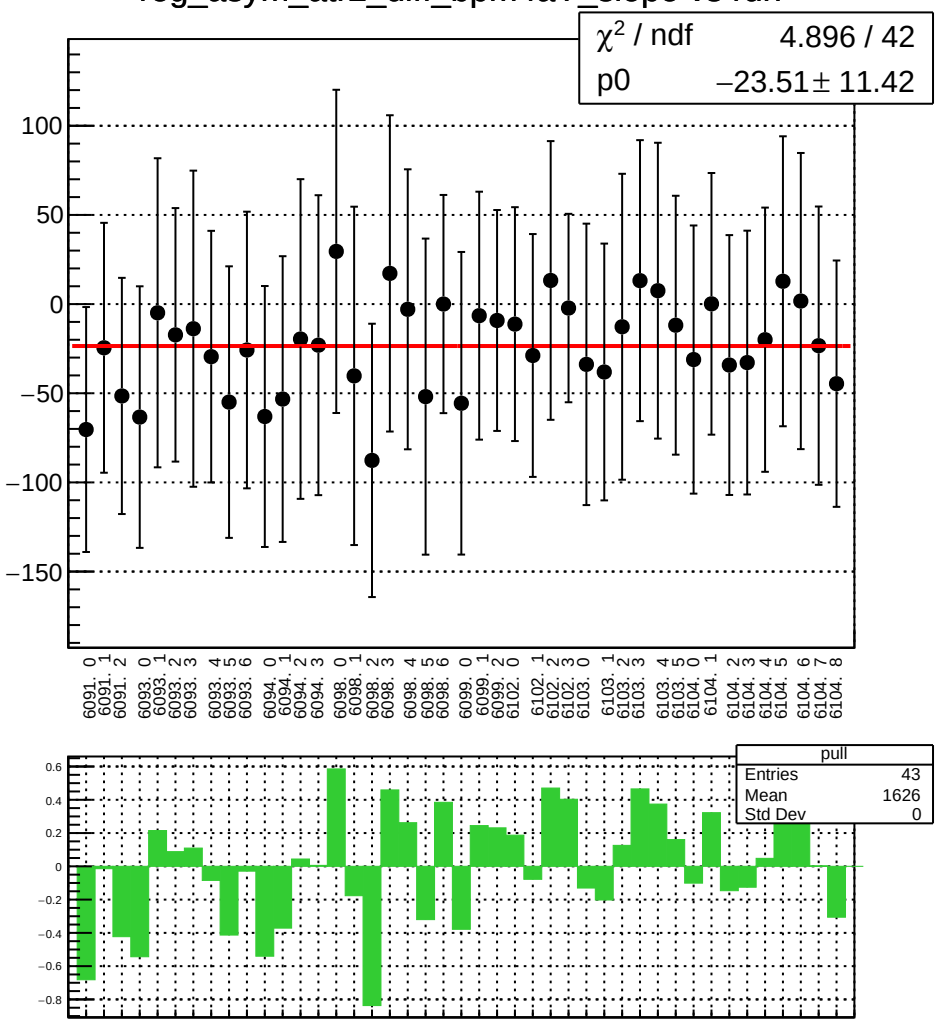

pull1D
Entries 43
Mean −0.009574
Std Dev 0.9978

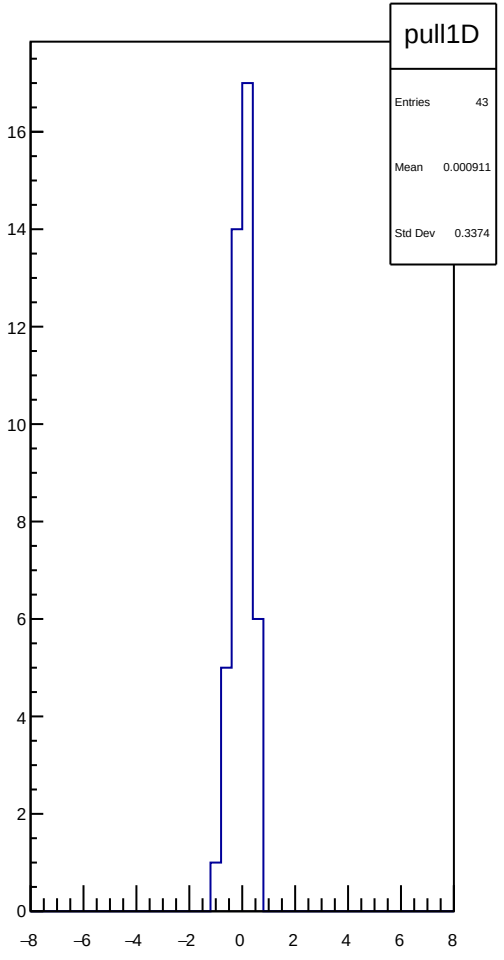

reg_asym_atr1_diff_bpm12X_slope vs run
χ² / ndf 77.31 / 42
p0 −27.74 ± 0.308
pull
Entries 43
Mean 785.9
Std Dev 0

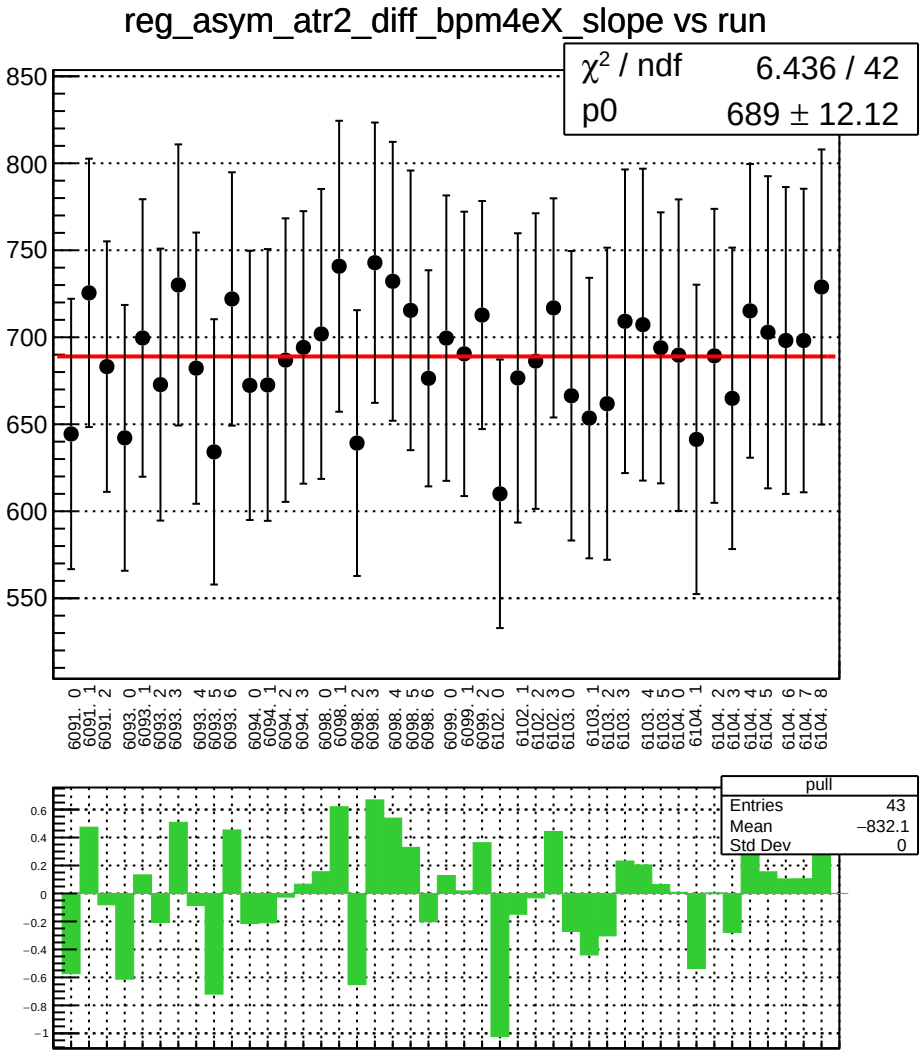

pull1D
Entries 43
Mean 0.01176
Std Dev 1.341

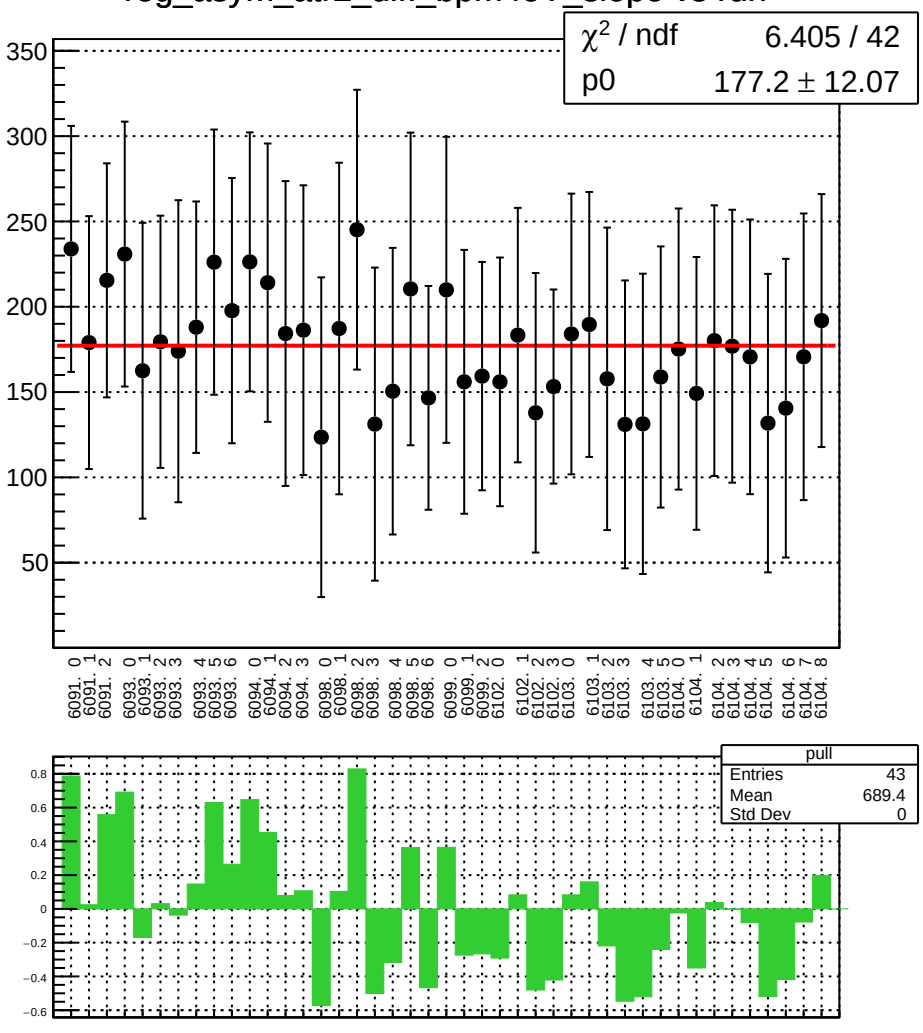

reg_asym_atr2_diff_bpm1X_slope vs run
χ² / ndf 6.302 / 42
p0 −436.3 ± 9.916
−300
−350
−400
−450
−500
−550
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean −4164
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6

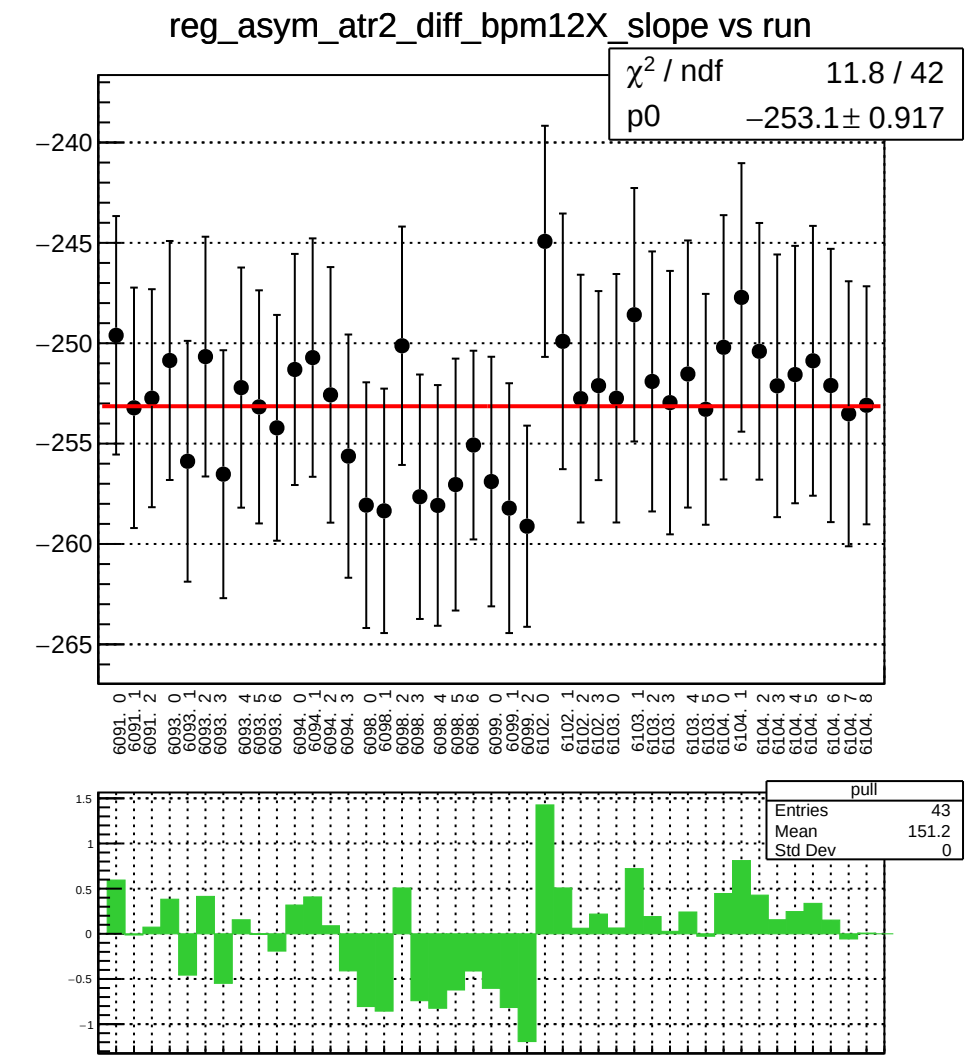

pull1D
Entries 43
Mean 0.0001327
Std Dev 0.3828
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

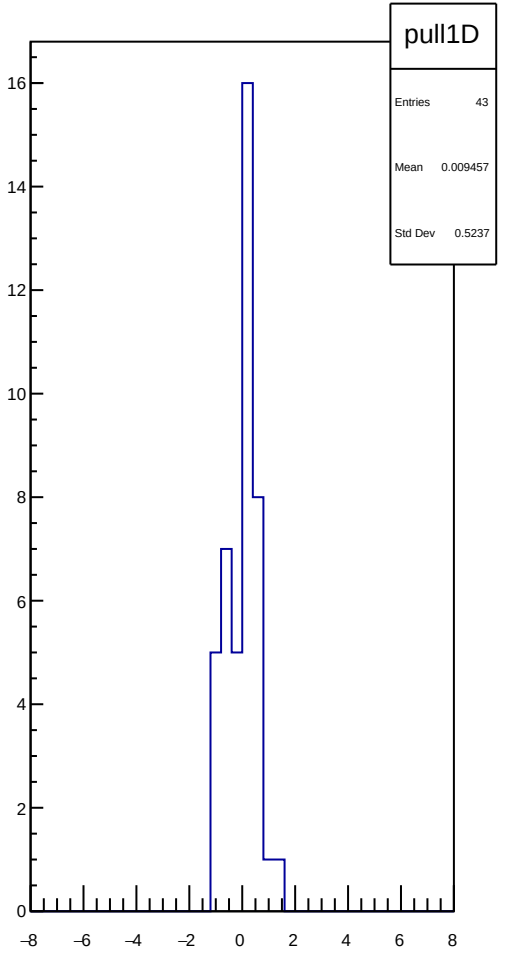

reg_asym_atr2_diff_bpm4aY_slope vs run
χ² / ndf 4.896 / 42
p0 −23.51± 11.42
100
50
0
−50
−100
−150
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 1626
Std Dev 0
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8

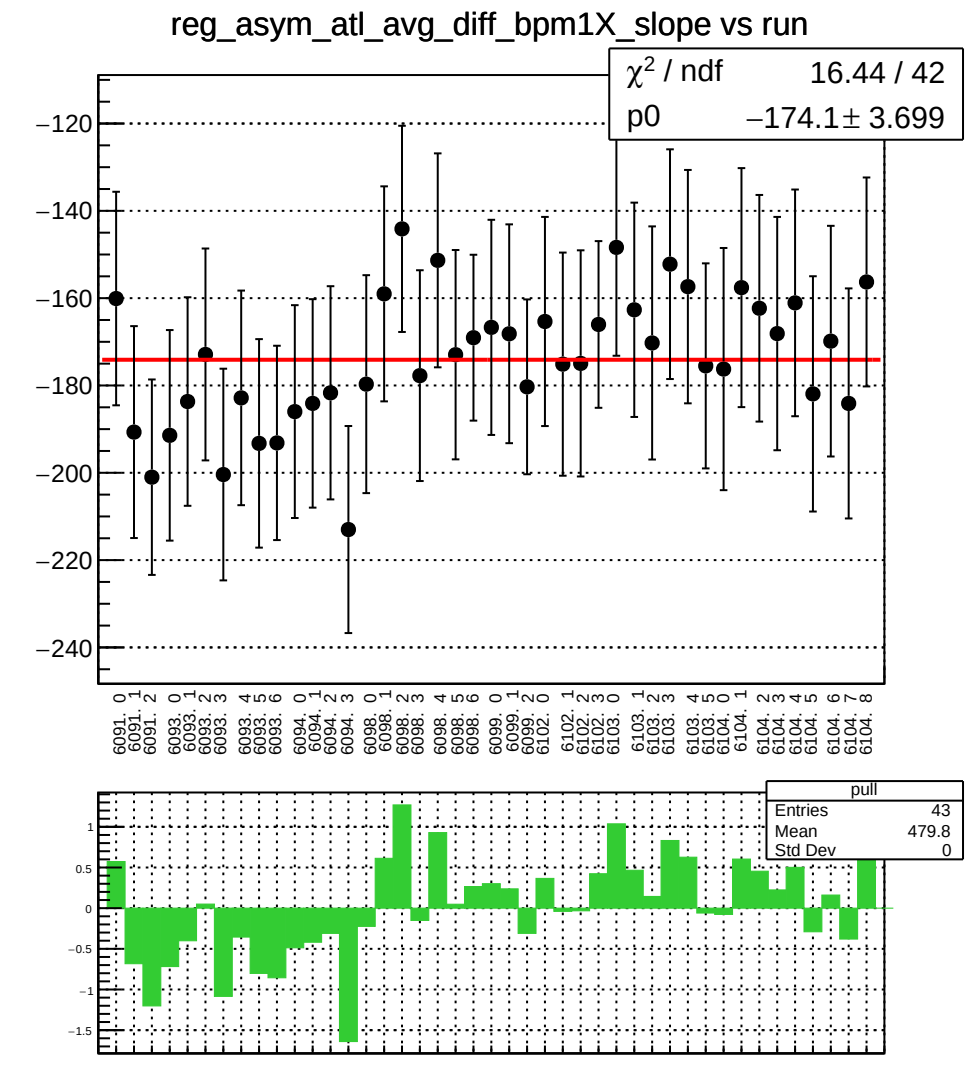

pull1D
Entries 43
Mean 0.000911
Std Dev 0.3374
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

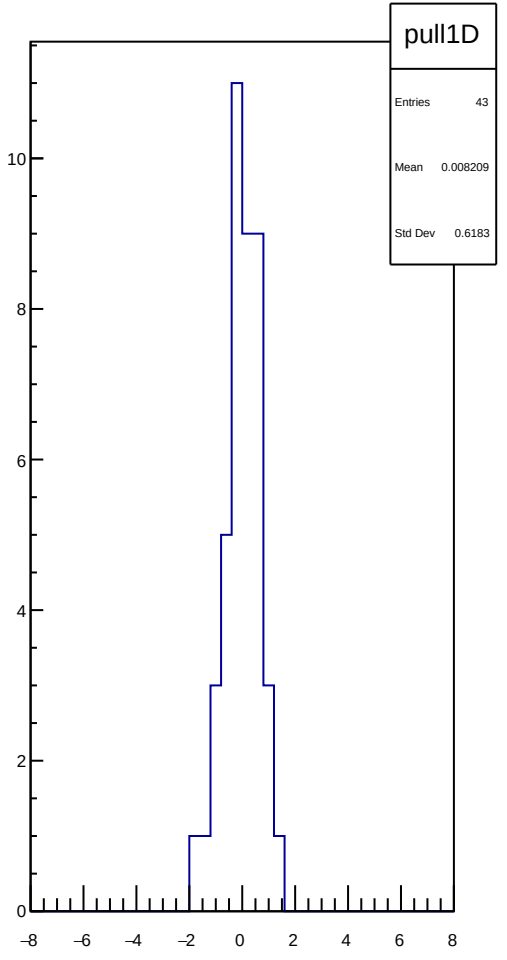

reg_asym_atr2_diff_bpm4eX_slope vs run
χ² / ndf 6.436 / 42
p0 689 ± 12.12
pull
Entries 43
Mean −832.1
Std Dev 0
pull1D
Entries 43
Mean −0.0005247
Std Dev 0.3869

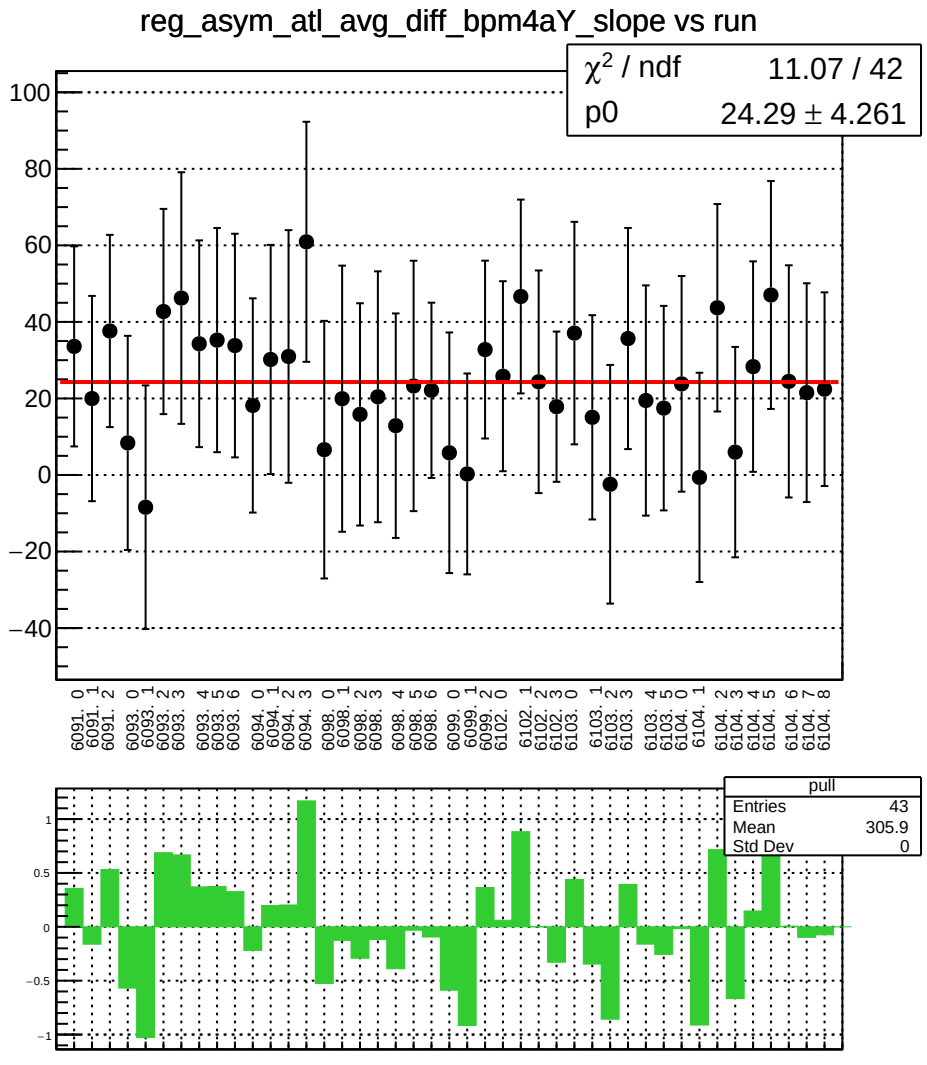

reg_asym_atr2_diff_bpm4eY_slope vs run
χ² / ndf 6.405 / 42
p0 177.2 ± 12.07
pull
Entries 43
Mean 689.4
Std Dev 0
pull1D
Entries 43
Mean −0.003588
Std Dev 0.3859

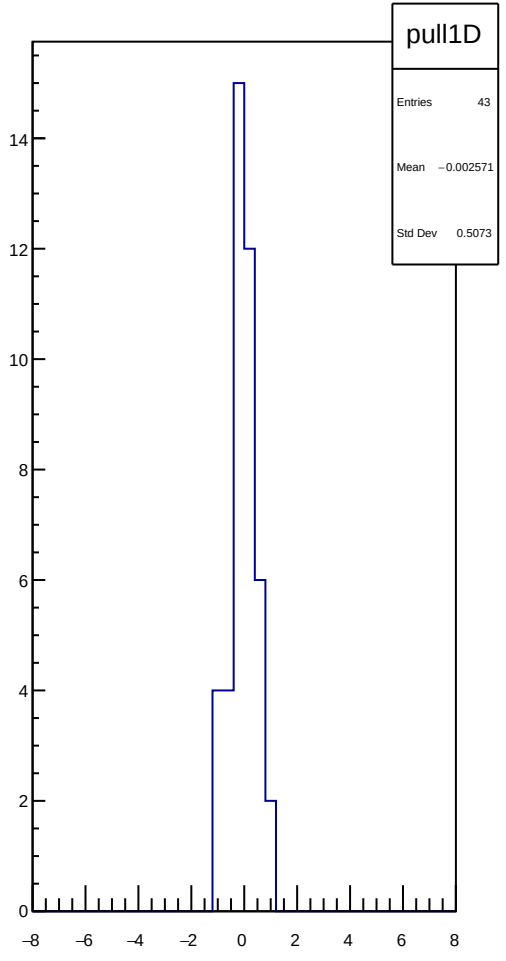

reg_asym_atr2_diff_bpm12X_slope vs run
χ² / ndf 11.8 / 42
p0 −253.1± 0.917
−240
−245
−250
−255
−260
−265
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 151.2
Std Dev 0
1.5
1
0.5
0
−0.5
−1

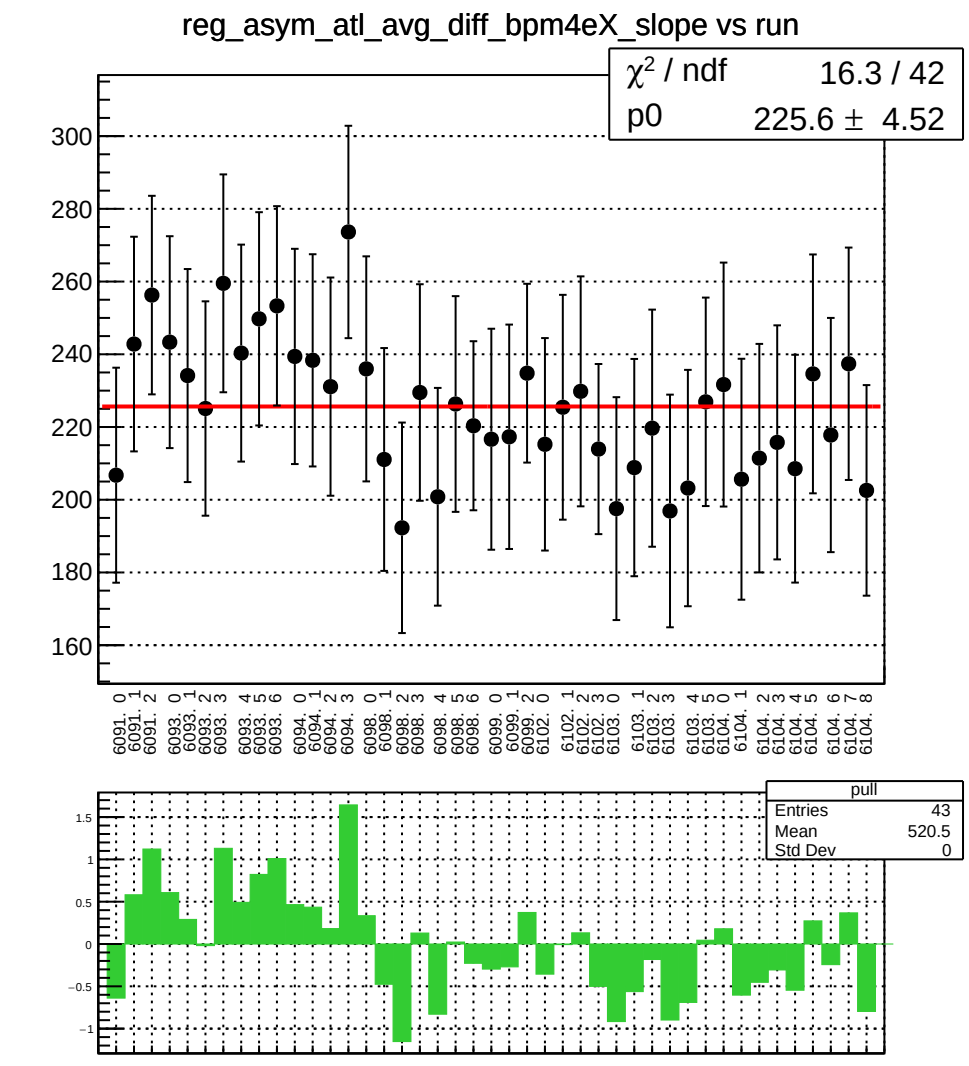

pull1D
Entries 43
Mean 0.009457
Std Dev 0.5237
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

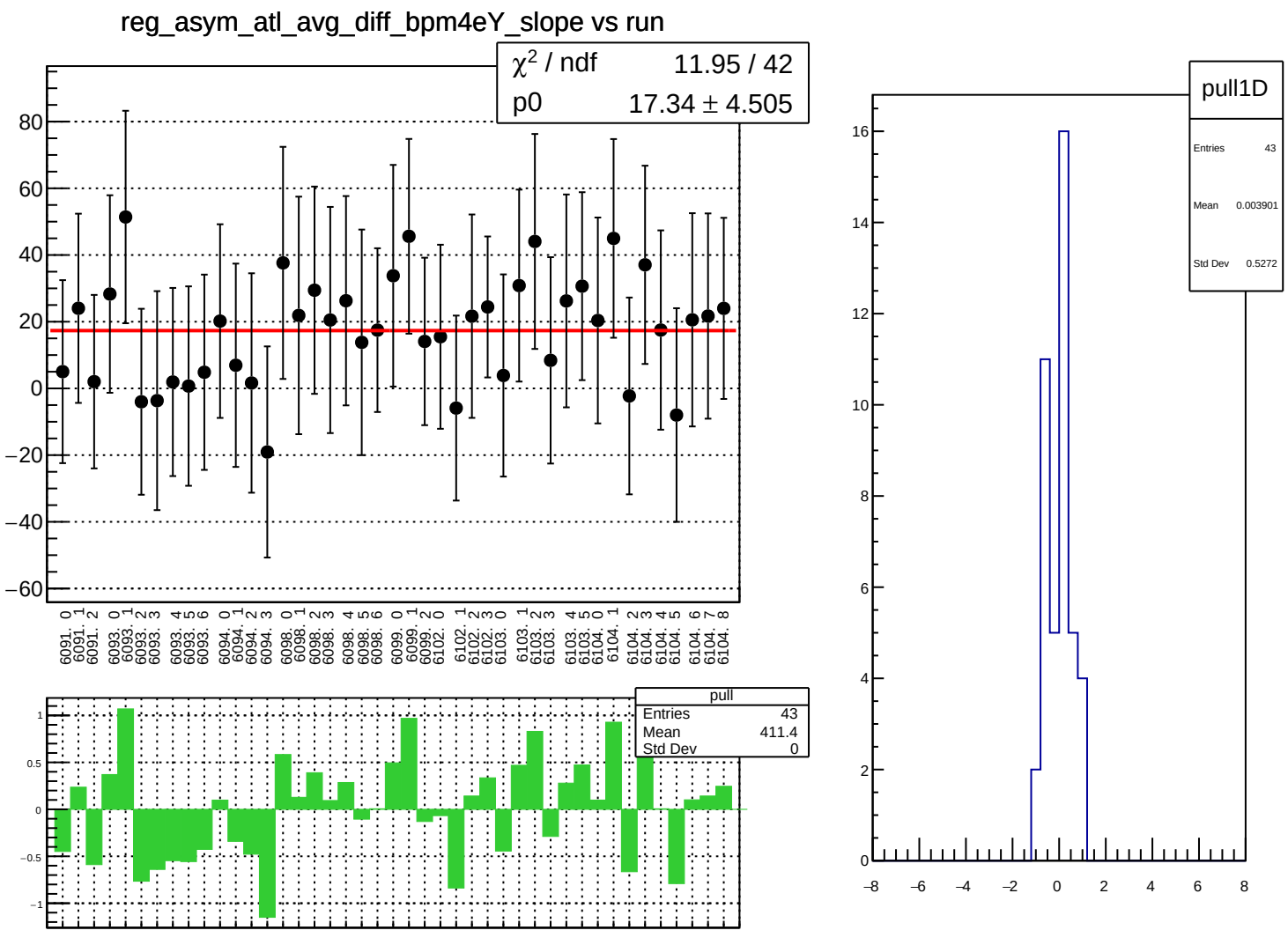

reg_asym_atl_avg_diff_bpm1X_slope vs run
χ² / ndf 16.44 / 42
p0 −174.1± 3.699
−120
−140
−160
−180
−200
−220
−240
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 479.8
Std Dev 0
1
0.5
0
−0.5
−1
−1.5

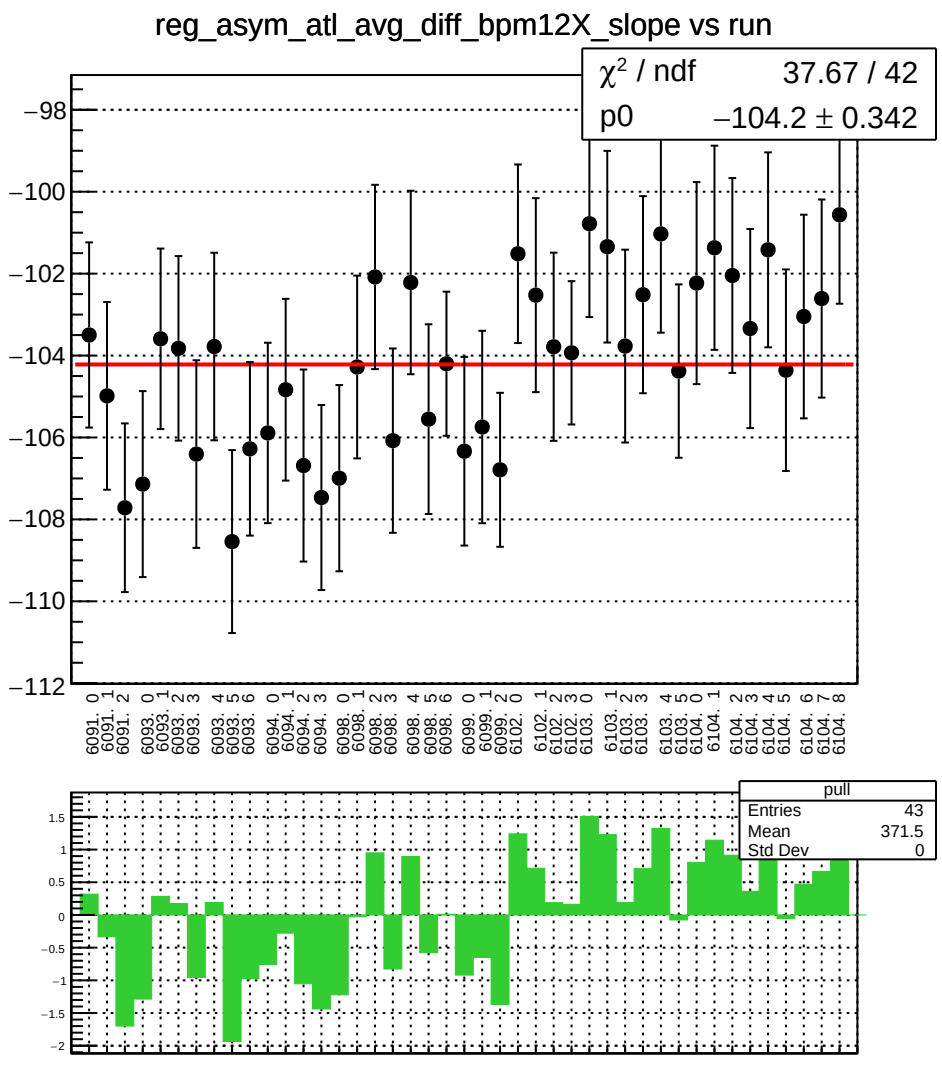

pull1D
Entries 43
Mean 0.008209
Std Dev 0.6183
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

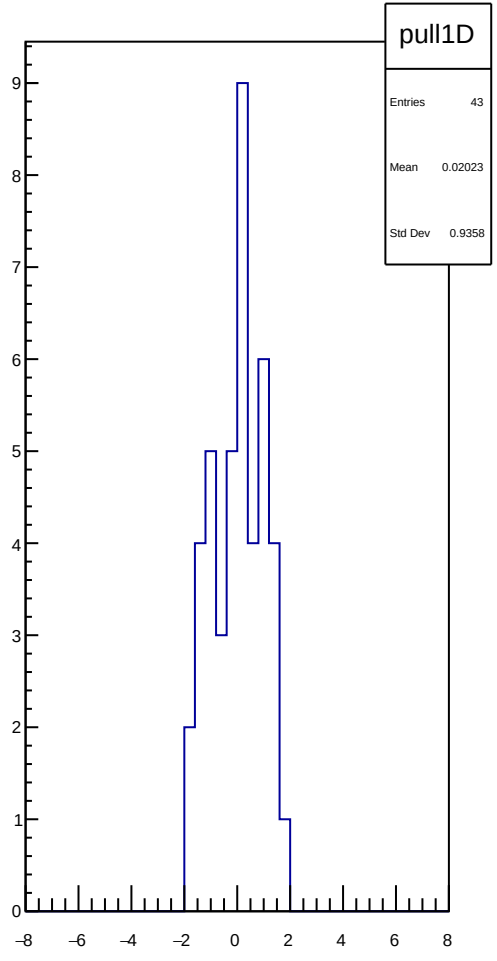

reg_asym_atl_avg_diff_bpm4aY_slope vs run
χ² / ndf 11.07 / 42
p0 24.29 ± 4.261
pull
Entries 43
Mean 305.9
Std Dev 0

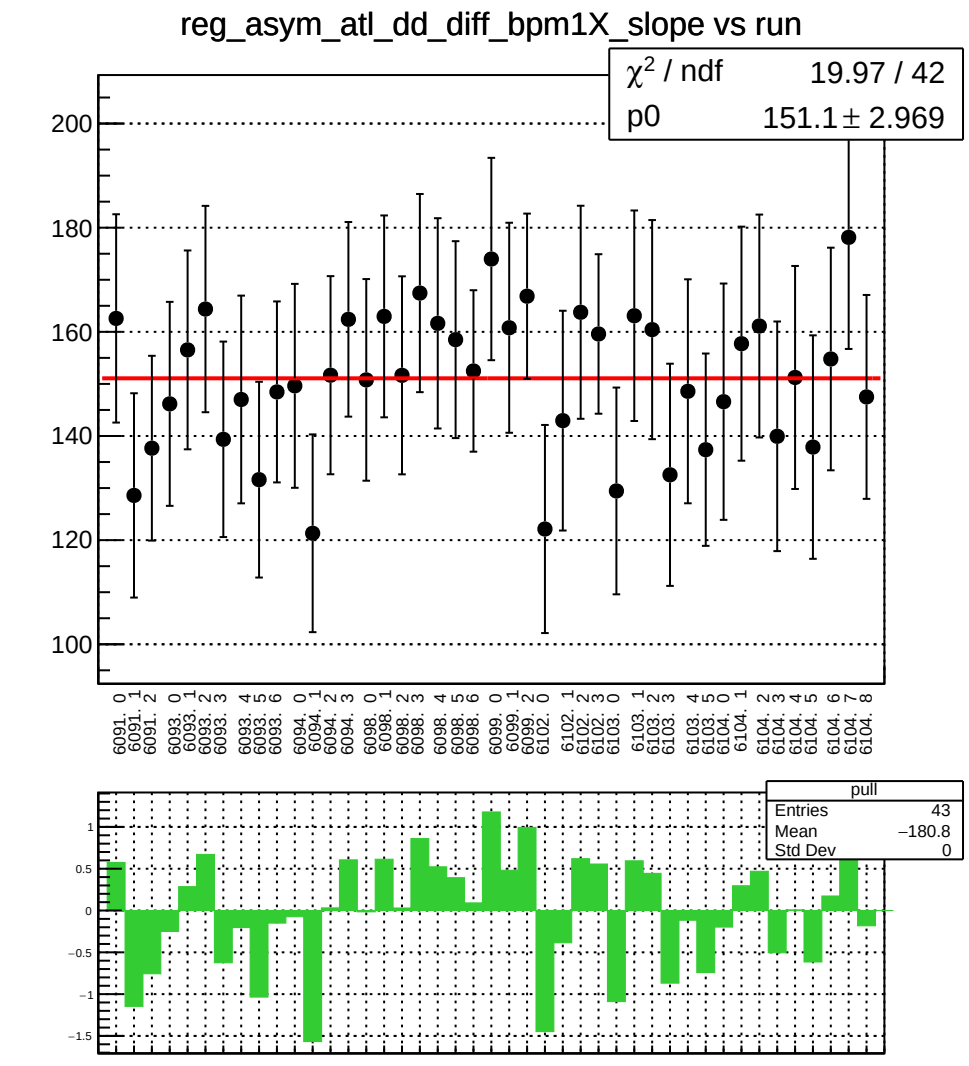

pull1D
Entries 43
Mean −0.002571
Std Dev 0.5073

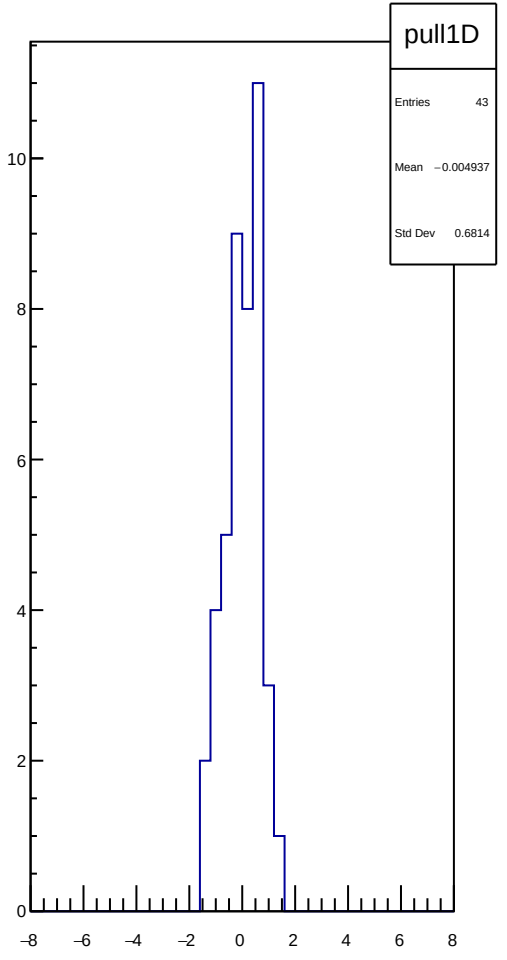

reg_asym_atl_avg_diff_bpm4eX_slope vs run
χ² / ndf 16.3 / 42
p0 225.6 ± 4.52
pull
Entries 43
Mean 520.5
Std Dev 0
pull1D
Entries 43
Mean −0.007704
Std Dev 0.6157

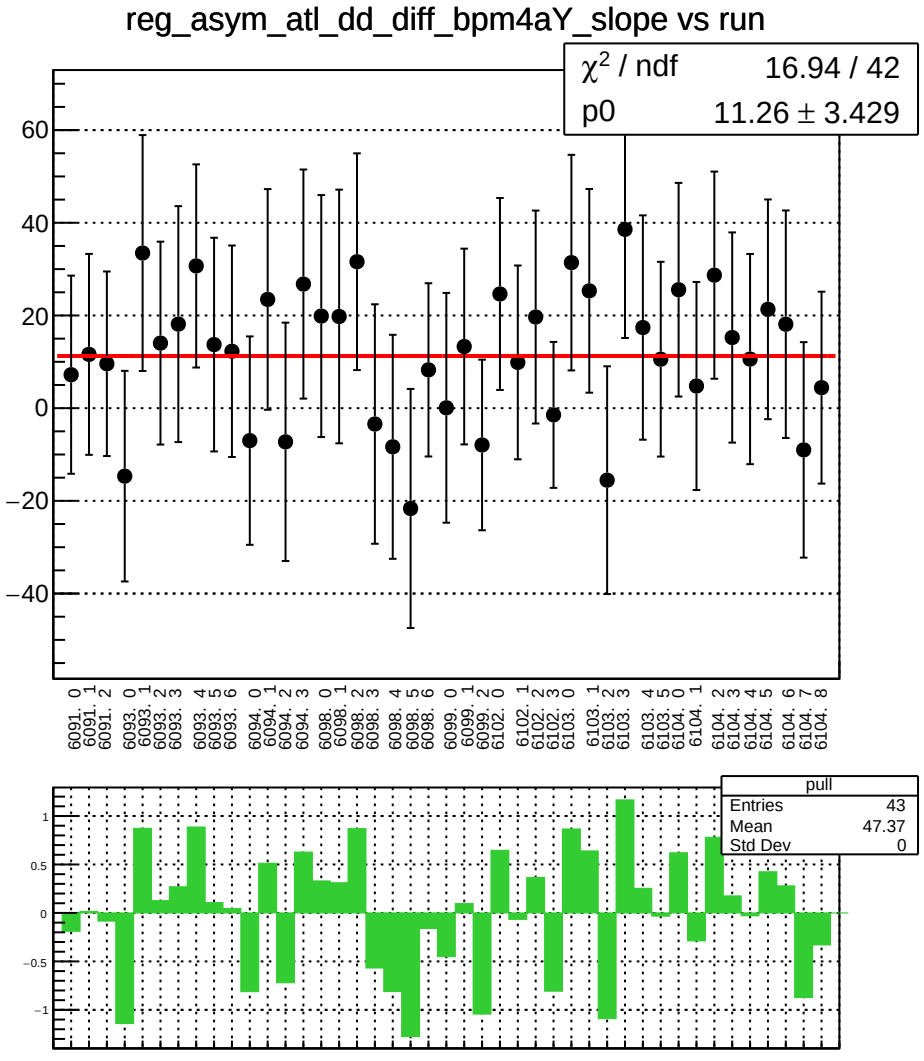

reg_asym_atl_avg_diff_bpm4eY_slope vs run
χ² / ndf 11.95 / 42
p0 17.34 ± 4.505
pull
Entries 43
Mean 411.4
Std Dev 0
pull1D
Entries 43
Mean 0.003901
Std Dev 0.5272

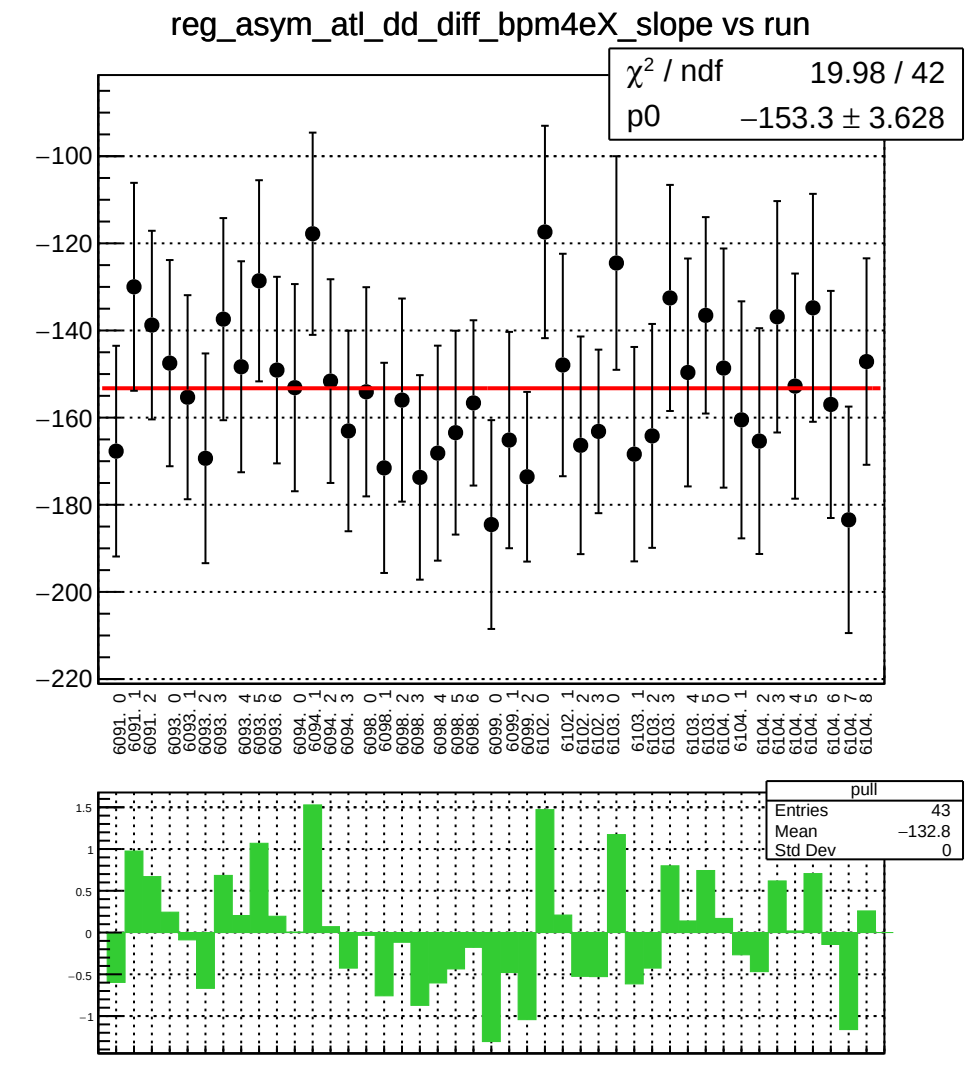

reg_asym_atl_avg_diff_bpm12X_slope vs run
χ² / ndf 37.67 / 42
p0 −104.2 ± 0.342
pull
Entries 43
Mean 371.5
Std Dev 0

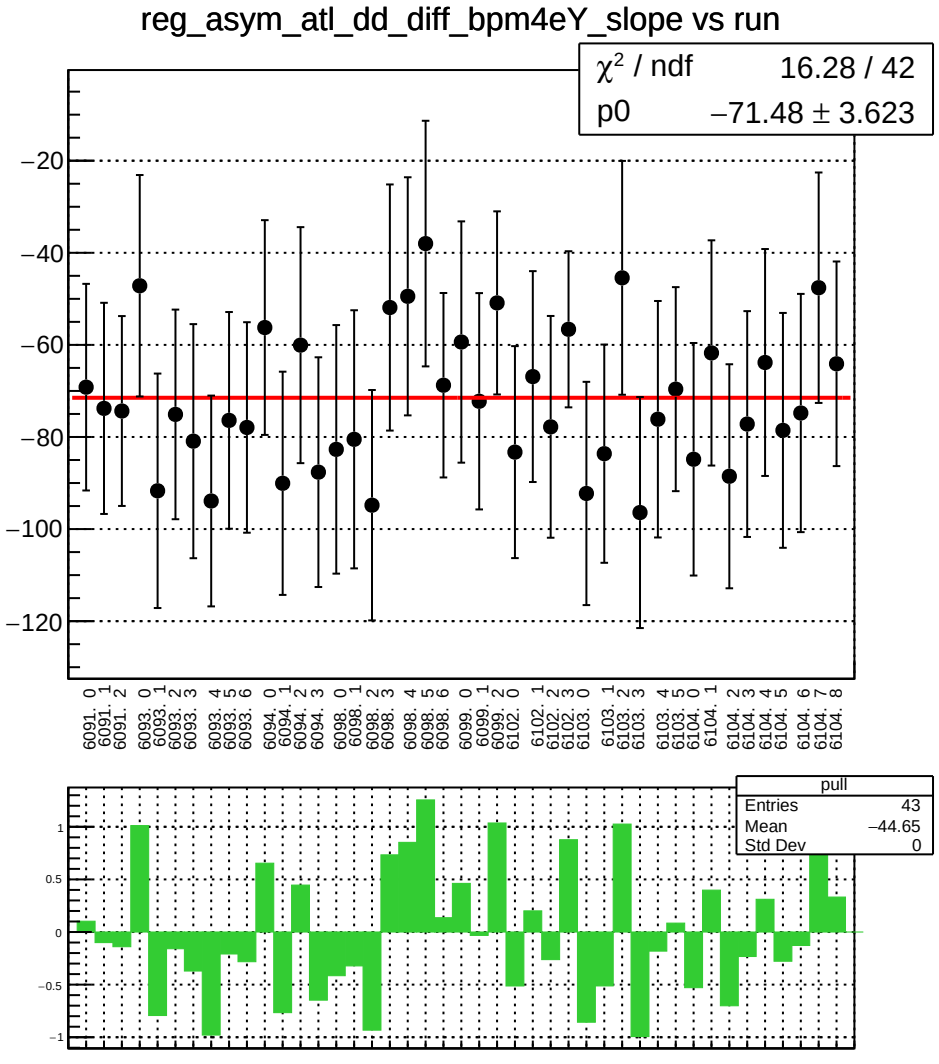

pull1D
Entries 43
Mean 0.02023
Std Dev 0.9358

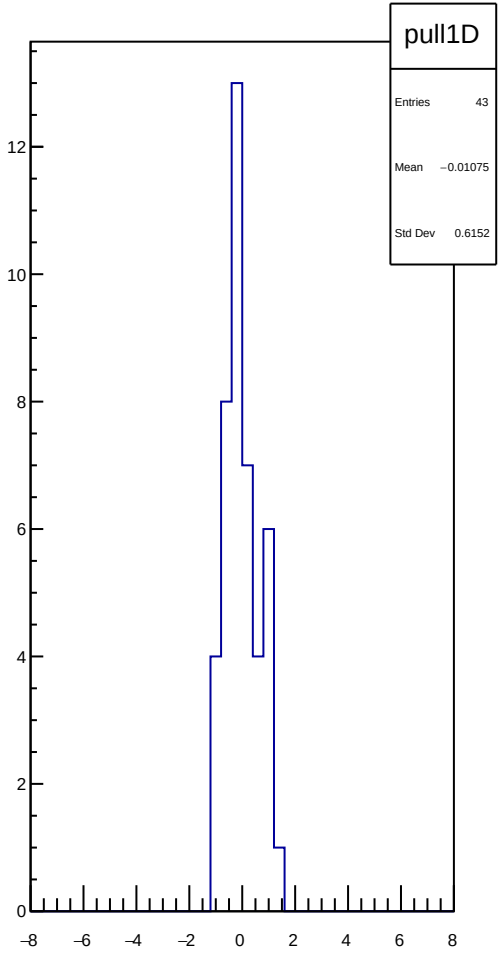

reg_asym_atl_dd_diff_bpm1X_slope vs run
χ² / ndf 19.97 / 42
p0 151.1 ± 2.969
200
180
160
140
120
100
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean −180.8
Std Dev 0
1
0.5
0
−0.5
−1
−1.5

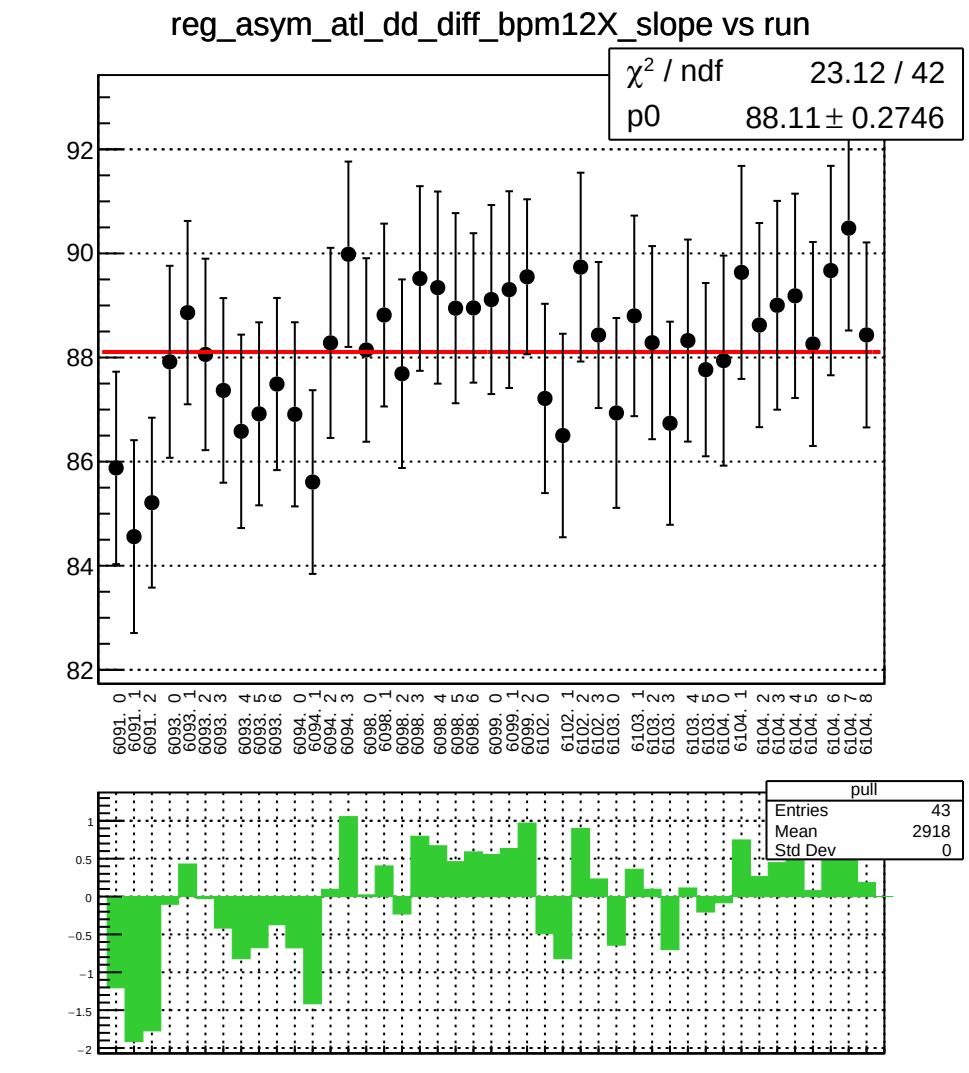

pull1D
Entries 43
Mean −0.004937
Std Dev 0.6814
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

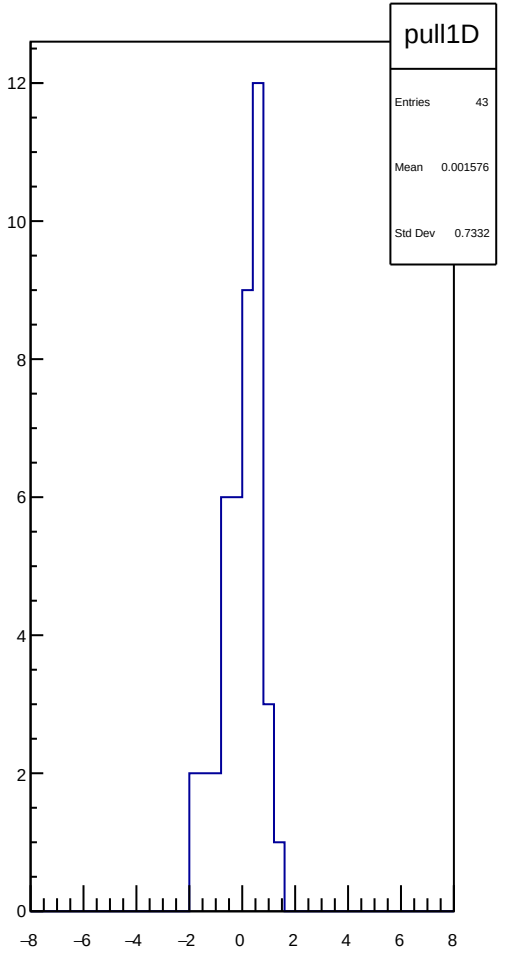

reg_asym_atl_dd_diff_bpm4aY_slope vs run
χ² / ndf 16.94 / 42
p0 11.26 ± 3.429
60
40
20
0
−20
−40
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 47.37
Std Dev 0
1
0.5
0
−0.5
−1
pull1D
Entries 43
Mean 0.01205
Std Dev 0.6276
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

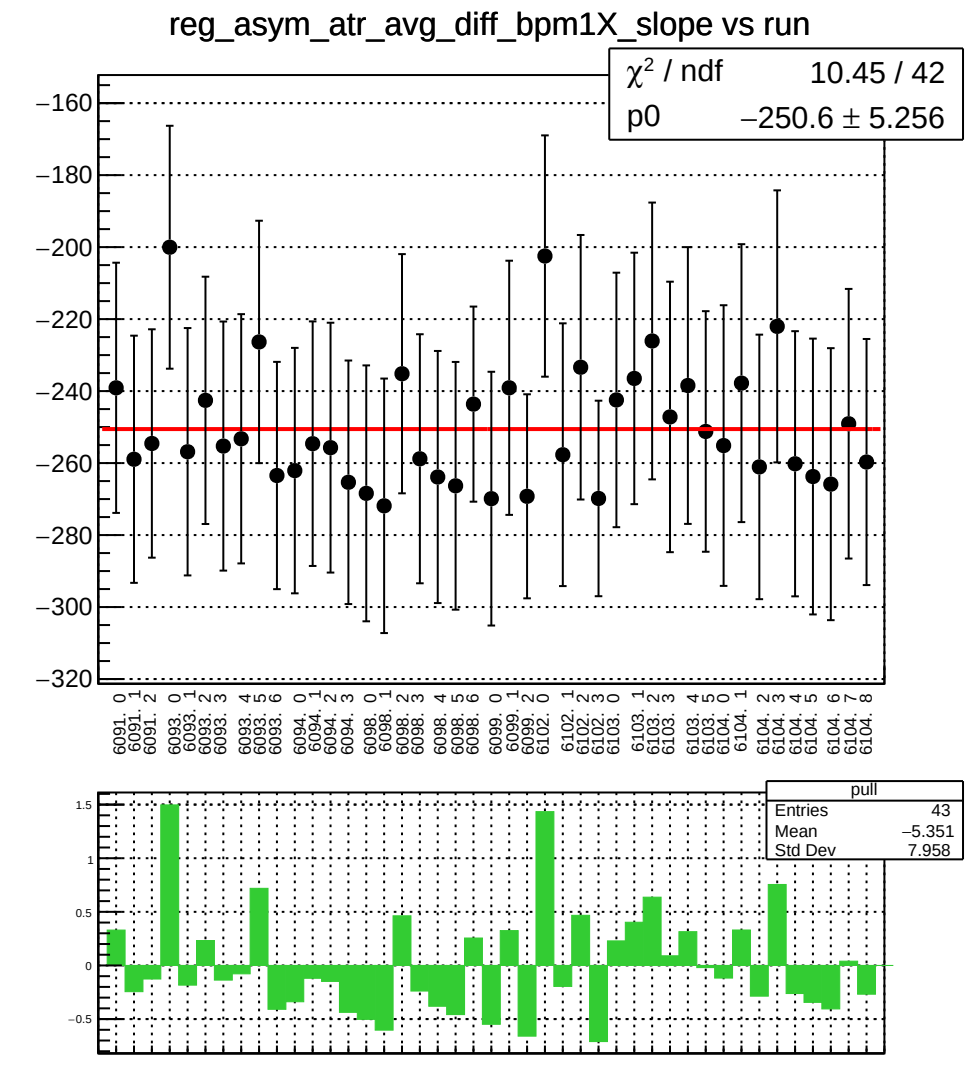

reg_asym_atl_dd_diff_bpm4eX_slope vs run
χ² / ndf 19.98 / 42
p0 −153.3 ± 3.628
−100
−120
−140
−160
−180
−200
−220
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean −132.8
Std Dev 0
1.5
1
0.5
0
−0.5
−1
pull1D
Entries 43
Mean 0.005047
Std Dev 0.6816
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

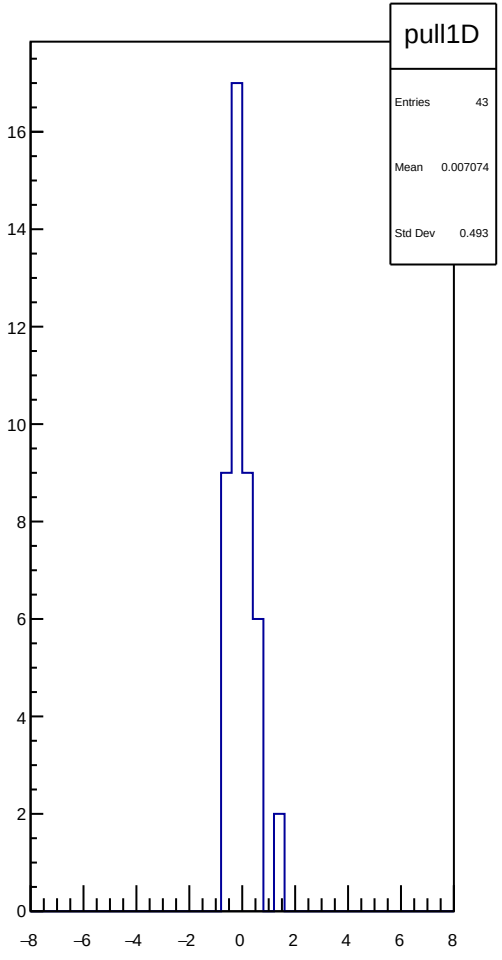

reg_asym_atl_dd_diff_bpm4eY_slope vs run
χ² / ndf 16.28 / 42
p0 −71.48 ± 3.623
−20
−40
−60
−80
−100
−120
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean −44.65
Std Dev 0
1
0.5
0
−0.5
−1

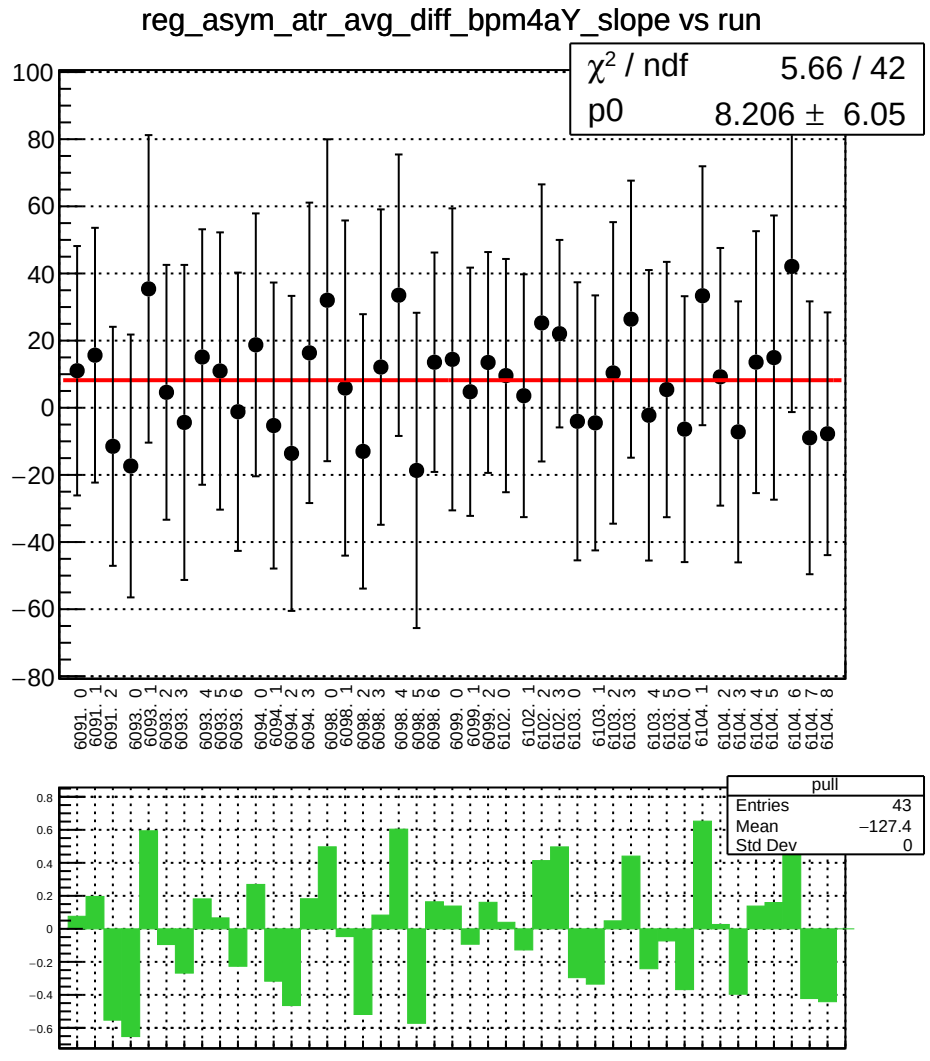

pull1D
Entries 43
Mean −0.01075
Std Dev 0.6152
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

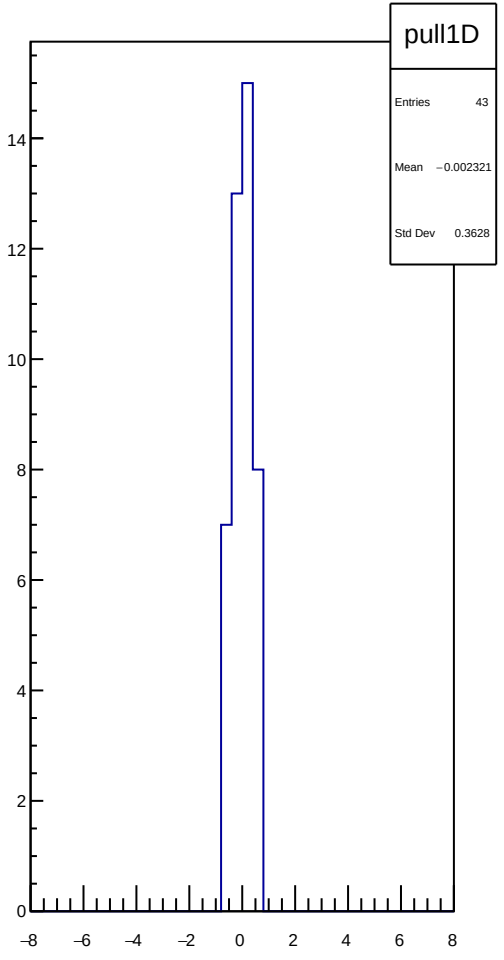

reg_asym_atl_dd_diff_bpm12X_slope vs run
χ² / ndf 23.12 / 42
p0 88.11 ± 0.2746
92
90
88
86
84
82
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 2918
Std Dev 0
1
0.5
0
−0.5
−1
−1.5
−2

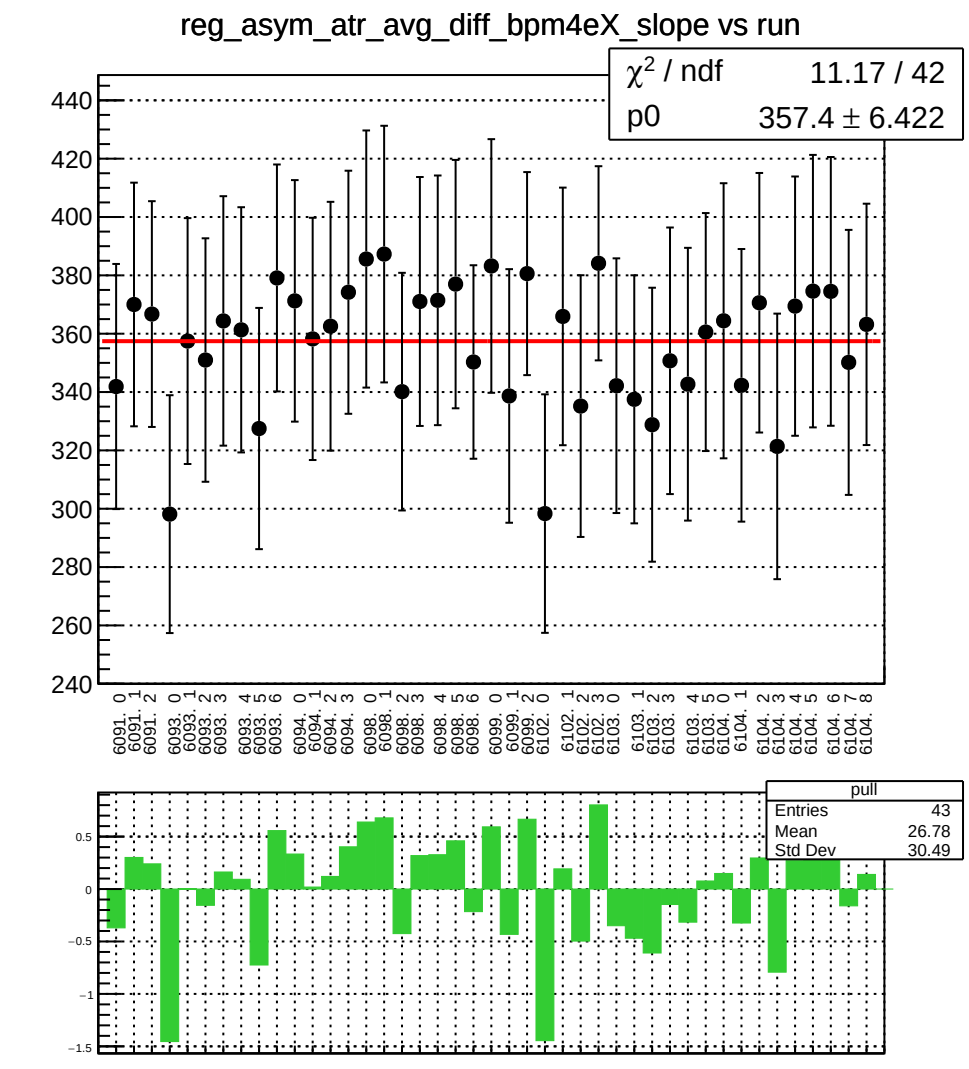

pull1D
Entries 43
Mean 0.001576
Std Dev 0.7332
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

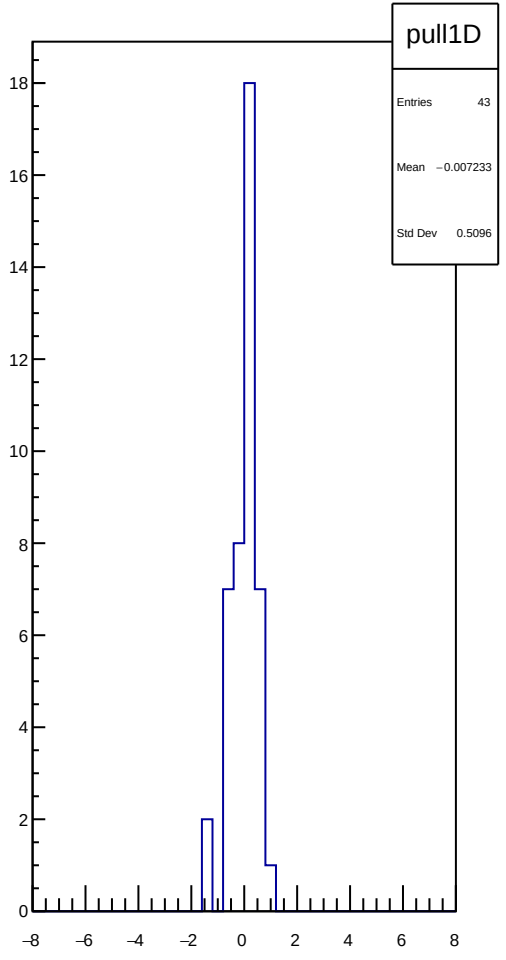

reg_asym_atr_avg_diff_bpm1X_slope vs run
χ² / ndf 10.45 / 42
p0 −250.6 ± 5.256
−160
−180
−200
−220
−240
−260
−280
−300
−320
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean −5.351
Std Dev 7.958
1.5
1
0.5
0
−0.5

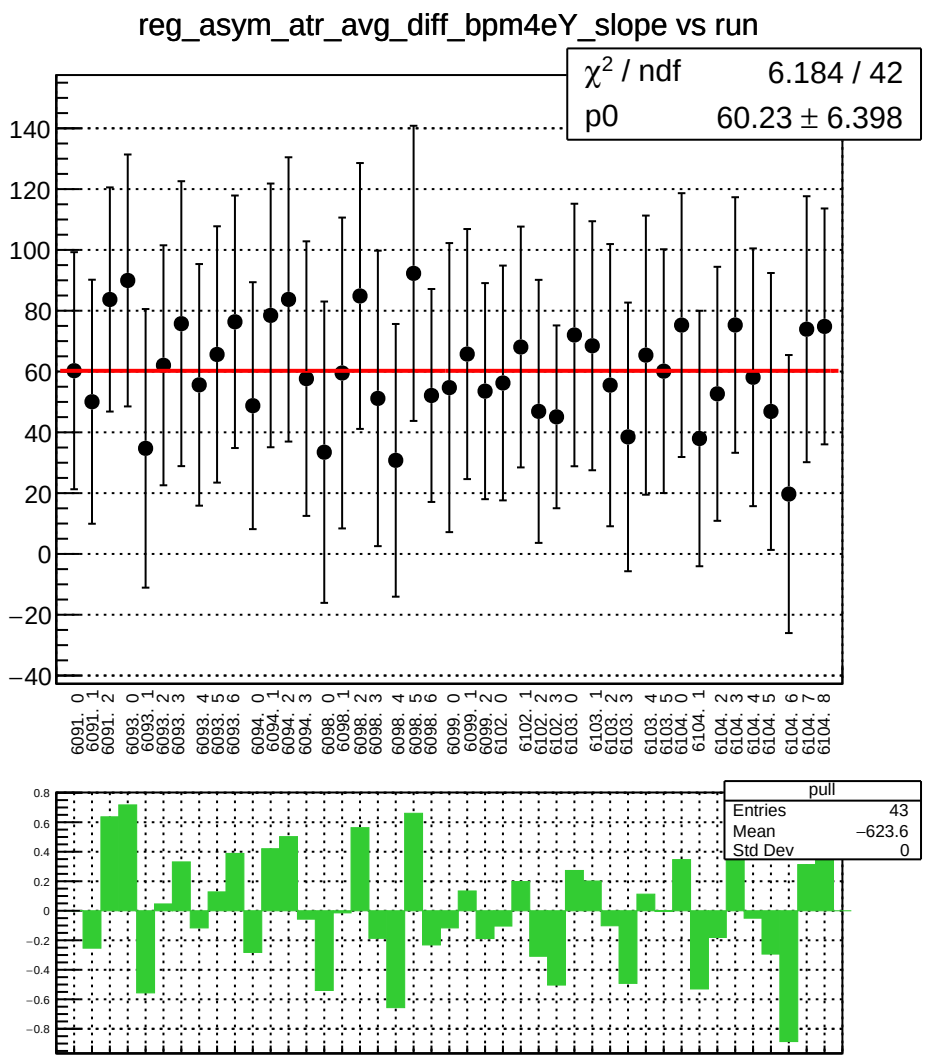

pull1D
Entries 43
Mean 0.007074
Std Dev 0.493
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

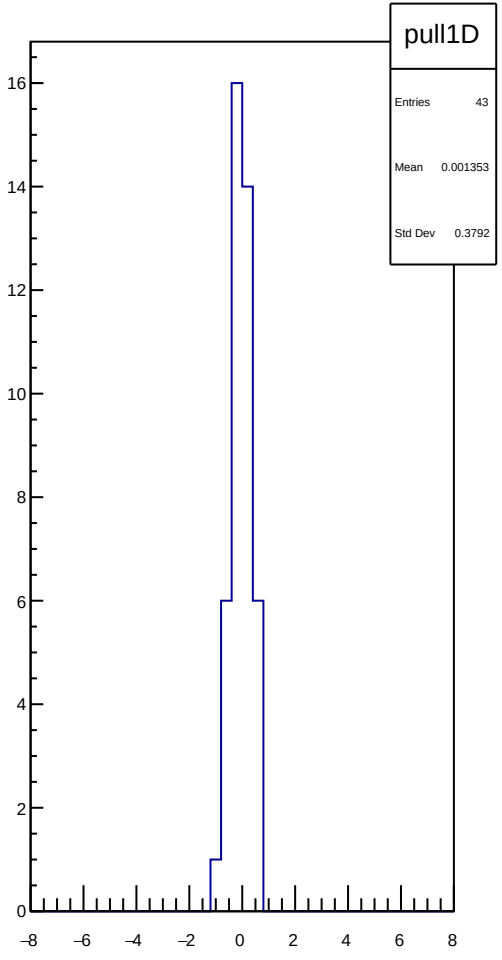

reg_asym_atr_avg_diff_bpm4aY_slope vs run
χ² / ndf 5.66 / 42
p0 8.206 ± 6.05
pull
Entries 43
Mean −127.4
Std Dev 0

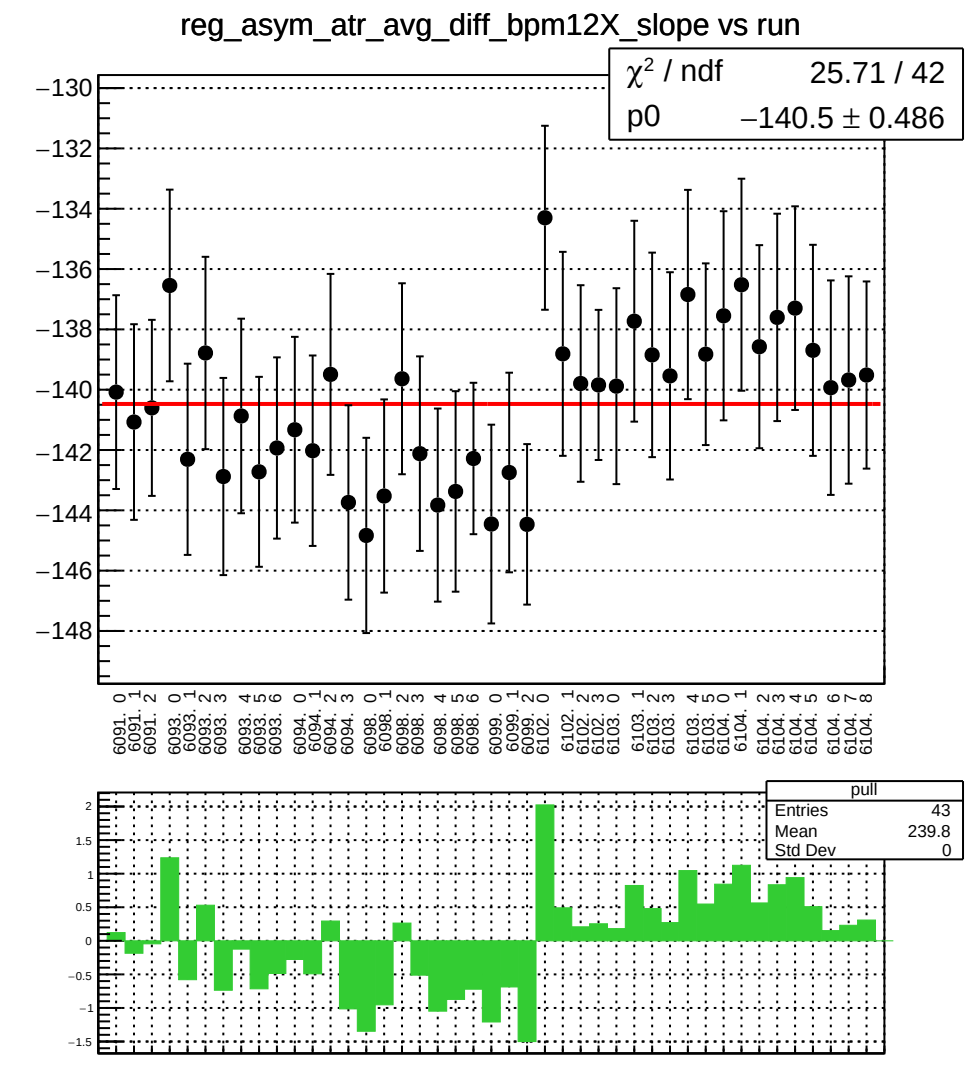

pull1D
Entries 43
Mean −0.002321
Std Dev 0.3628

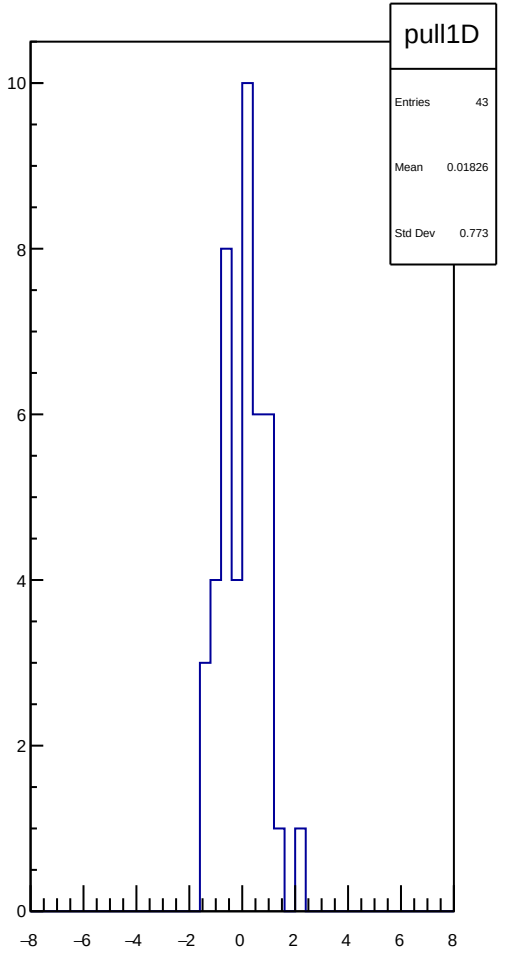

reg_asym_atr_avg_diff_bpm4eX_slope vs run
χ² / ndf 11.17 / 42
p0 357.4 ± 6.422
pull
Entries 43
Mean 26.78
Std Dev 30.49

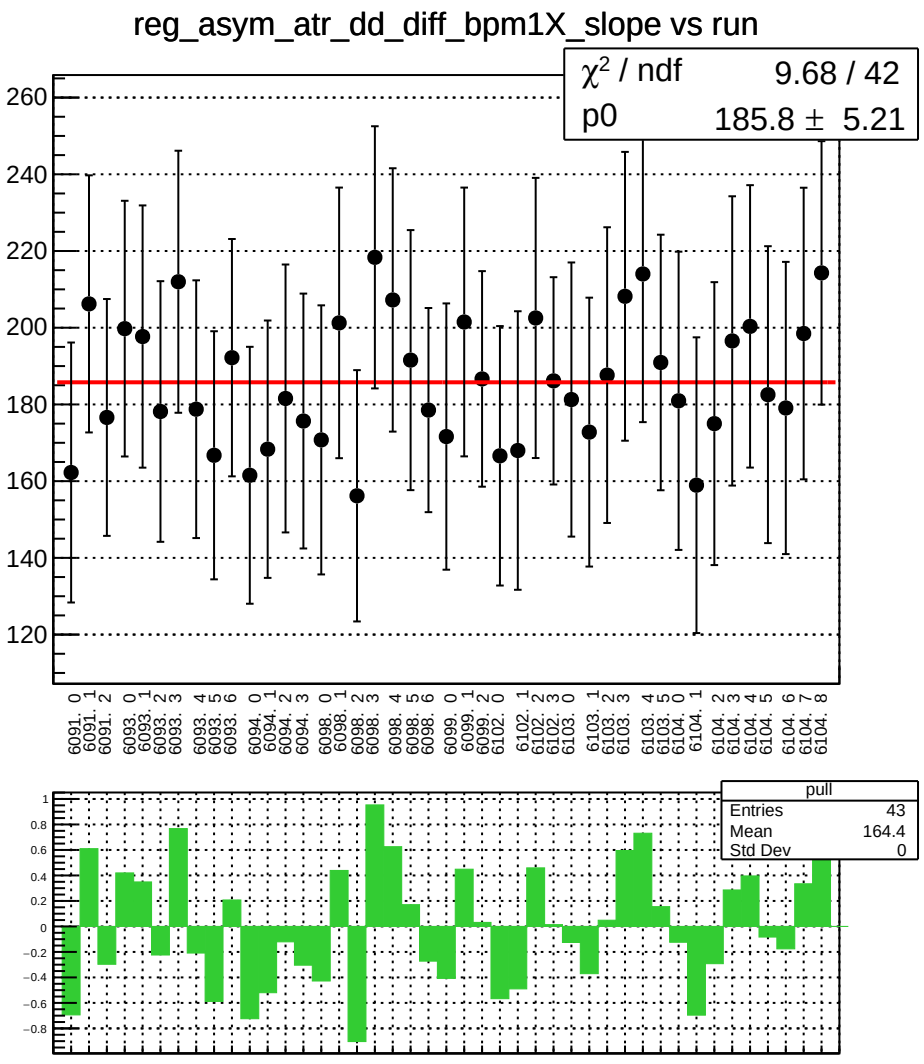

pull1D
Entries 43
Mean −0.007233
Std Dev 0.5096

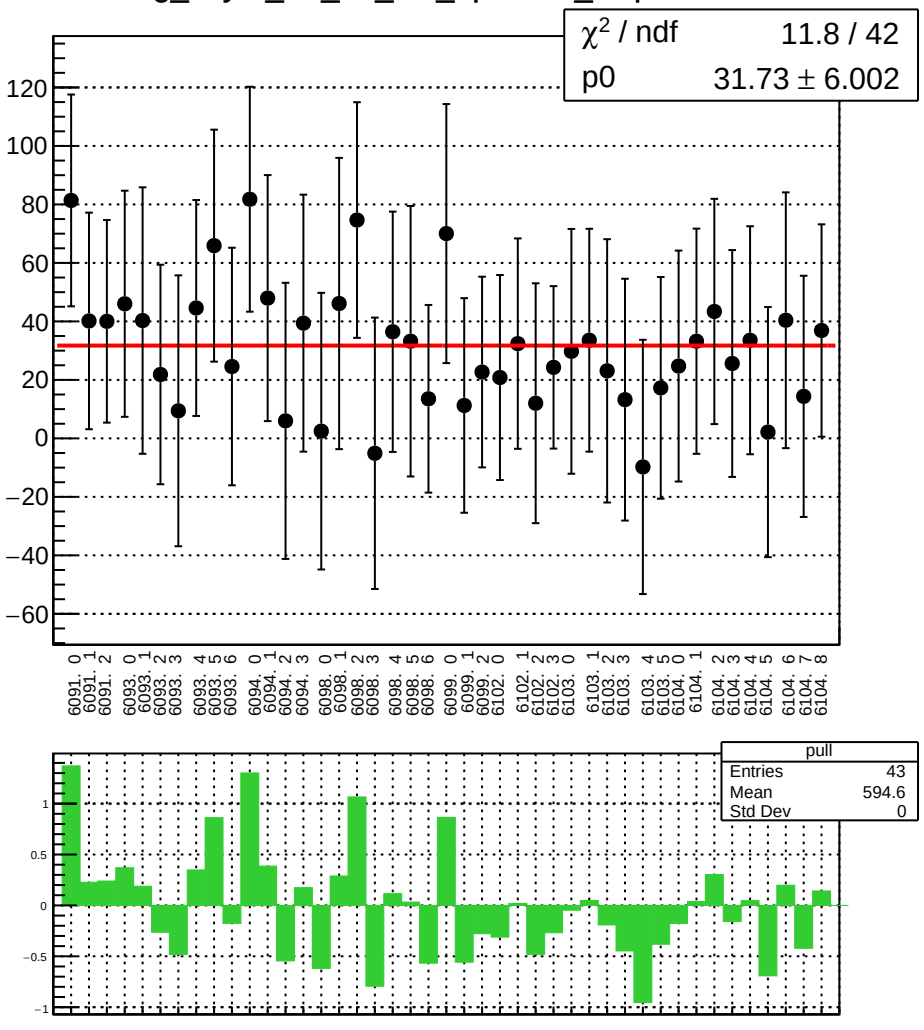

reg_asym_atr_avg_diff_bpm4eY_slope vs run
χ² / ndf 6.184 / 42
p0 60.23 ± 6.398
pull
Entries 43
Mean −623.6
Std Dev 0

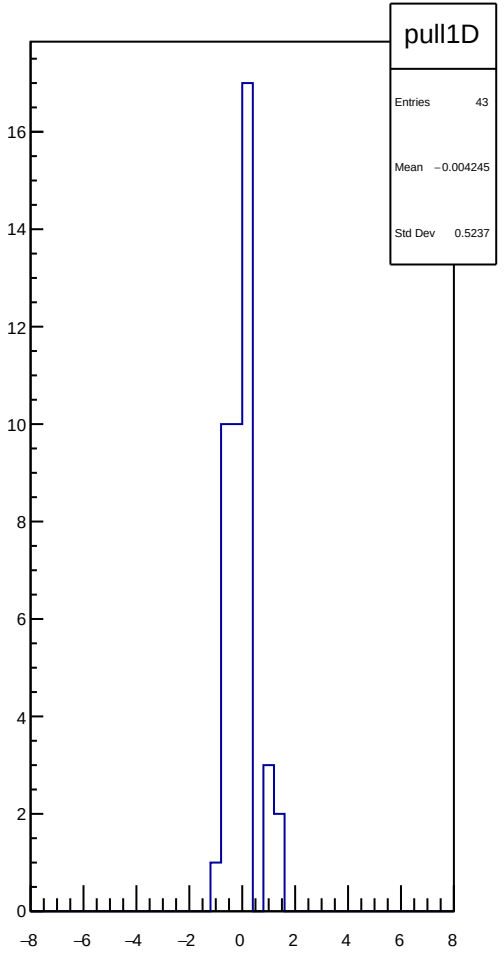

pull1D
Entries 43
Mean 0.001353
Std Dev 0.3792

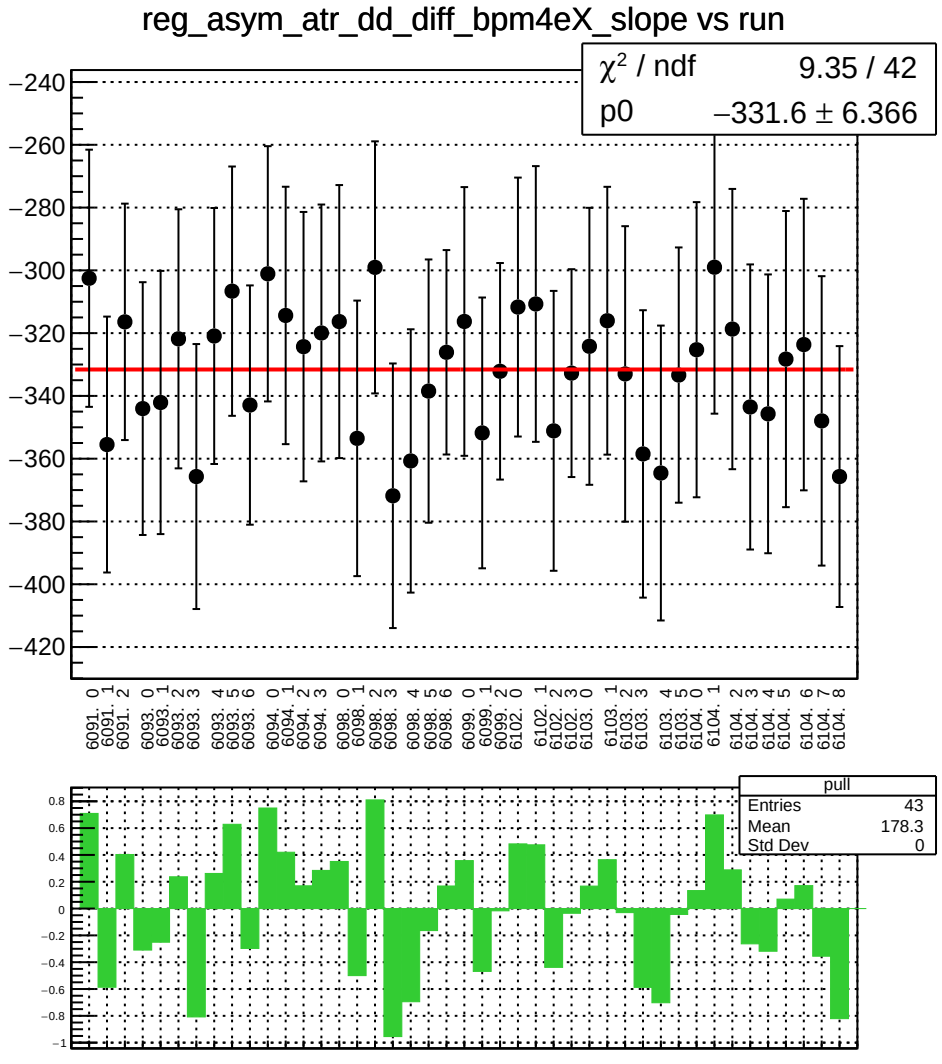

reg_asym_atr_avg_diff_bpm12X_slope vs run
χ² / ndf 25.71 / 42
p0 −140.5 ± 0.486
pull
Entries 43
Mean 239.8
Std Dev 0

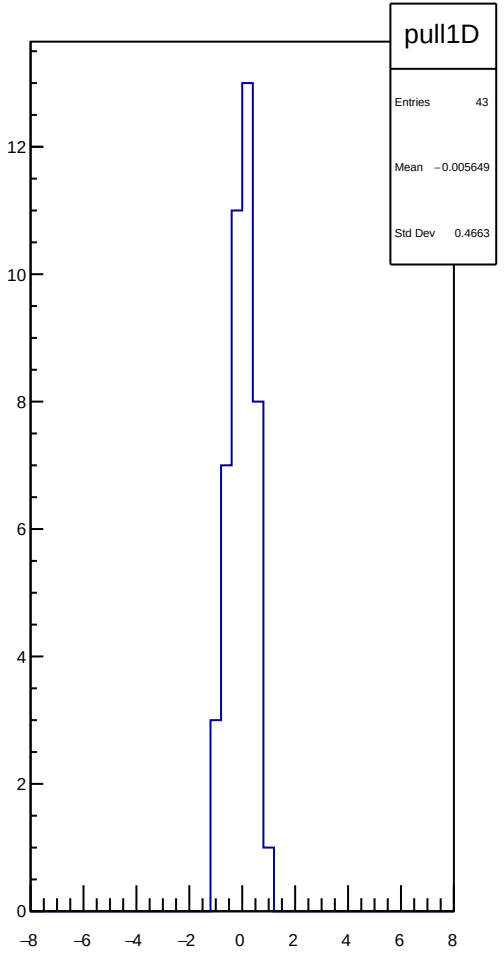

pull1D
Entries 43
Mean 0.01826
Std Dev 0.773

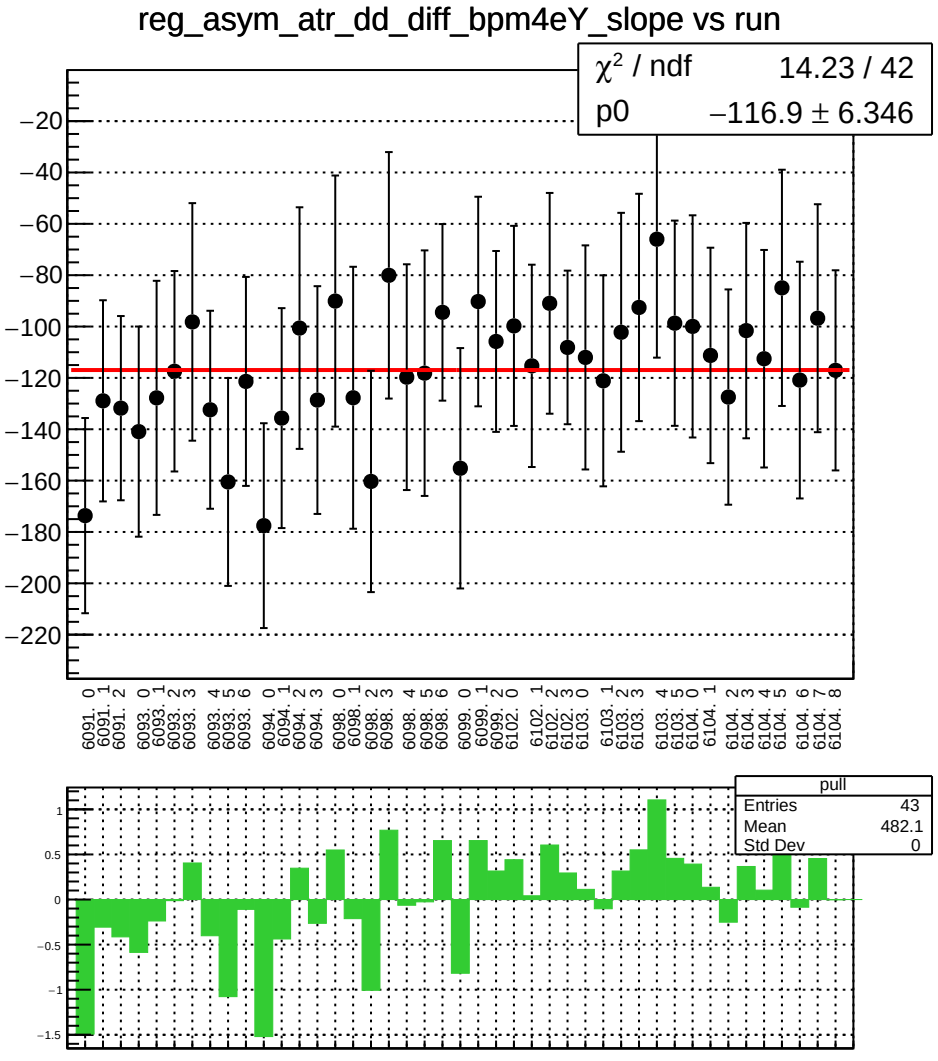

reg_asym_atr_dd_diff_bpm1X_slope vs run
χ² / ndf 9.68 / 42
p0 185.8 ± 5.21
260
240
220
200
180
160
140
120
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 164.4
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
pull1D
Entries 43
Mean 0.006026
Std Dev 0.4744
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

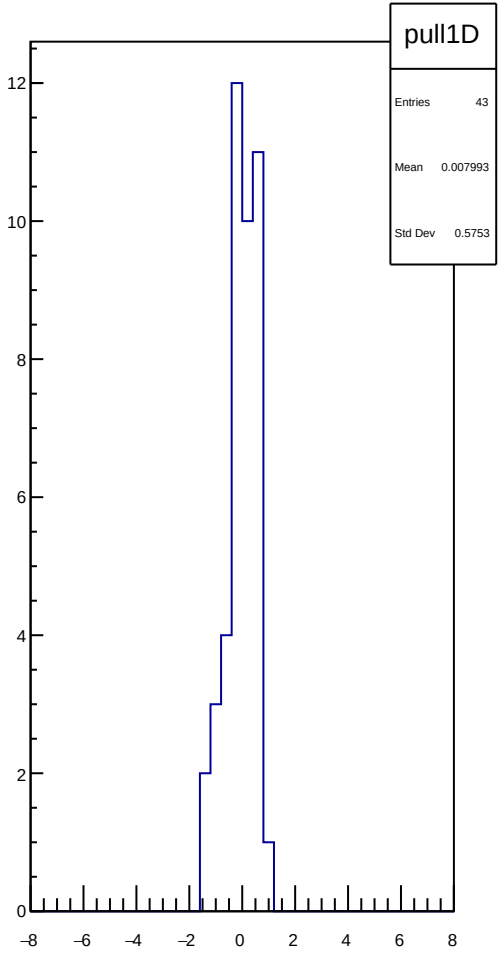

reg_asym_atr_dd_diff_bpm4aY_slope vs run
χ² / ndf 11.8 / 42
p0 31.73 ± 6.002
pull
Entries 43
Mean 594.6
Std Dev 0

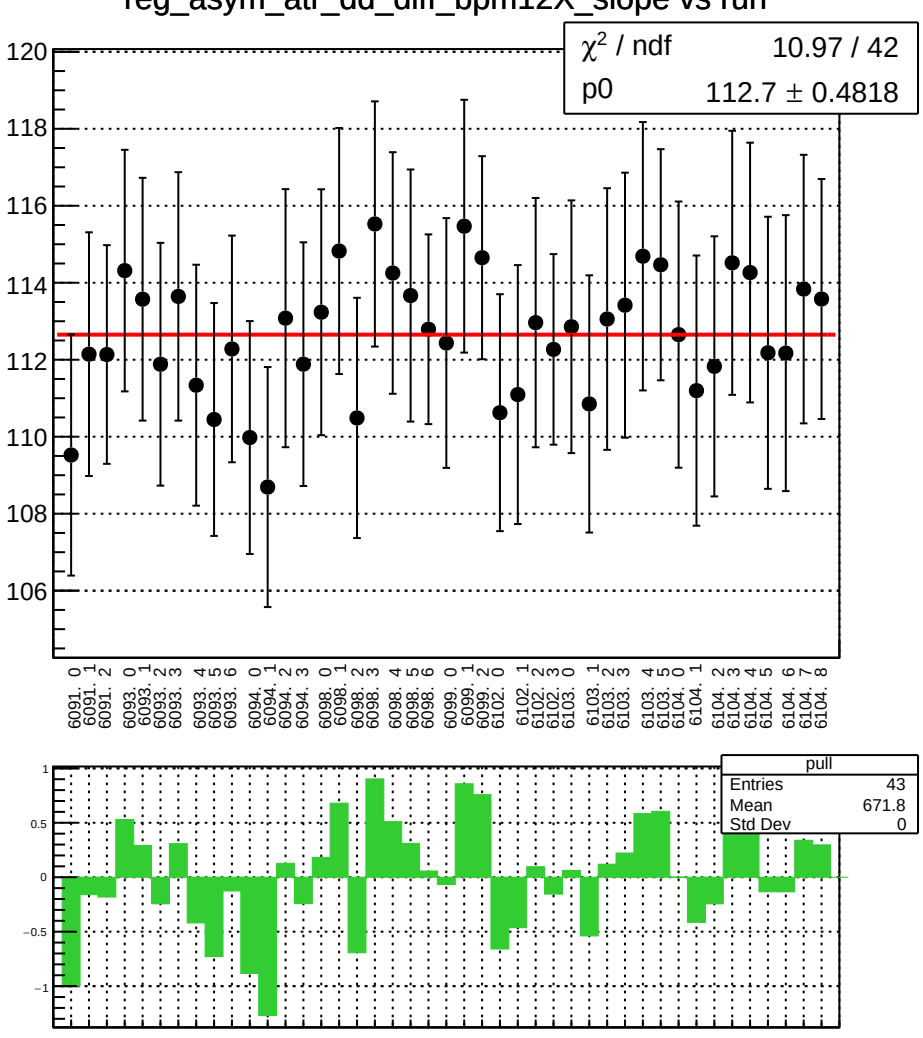

pull1D
Entries 43
Mean −0.004245
Std Dev 0.5237

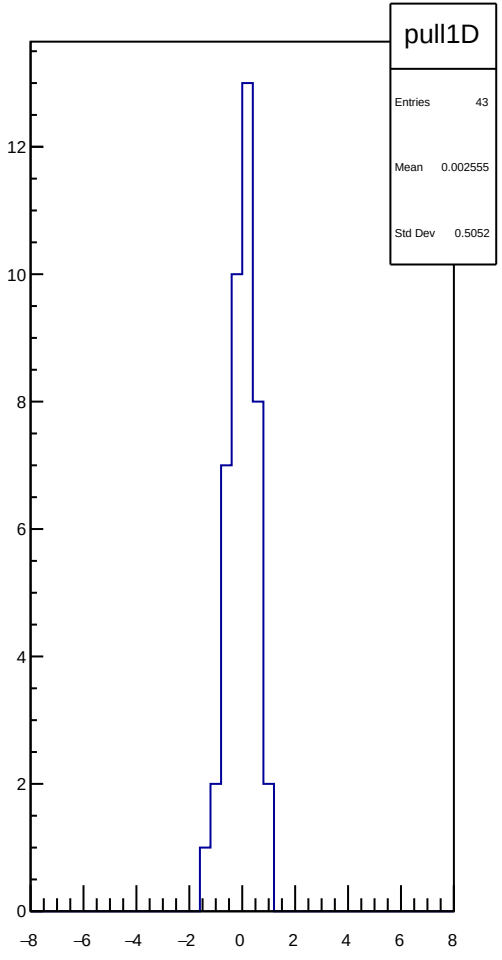

reg_asym_atr_dd_diff_bpm4eX_slope vs run
χ² / ndf 9.35 / 42
p0 −331.6 ± 6.366
pull
Entries 43
Mean 178.3
Std Dev 0

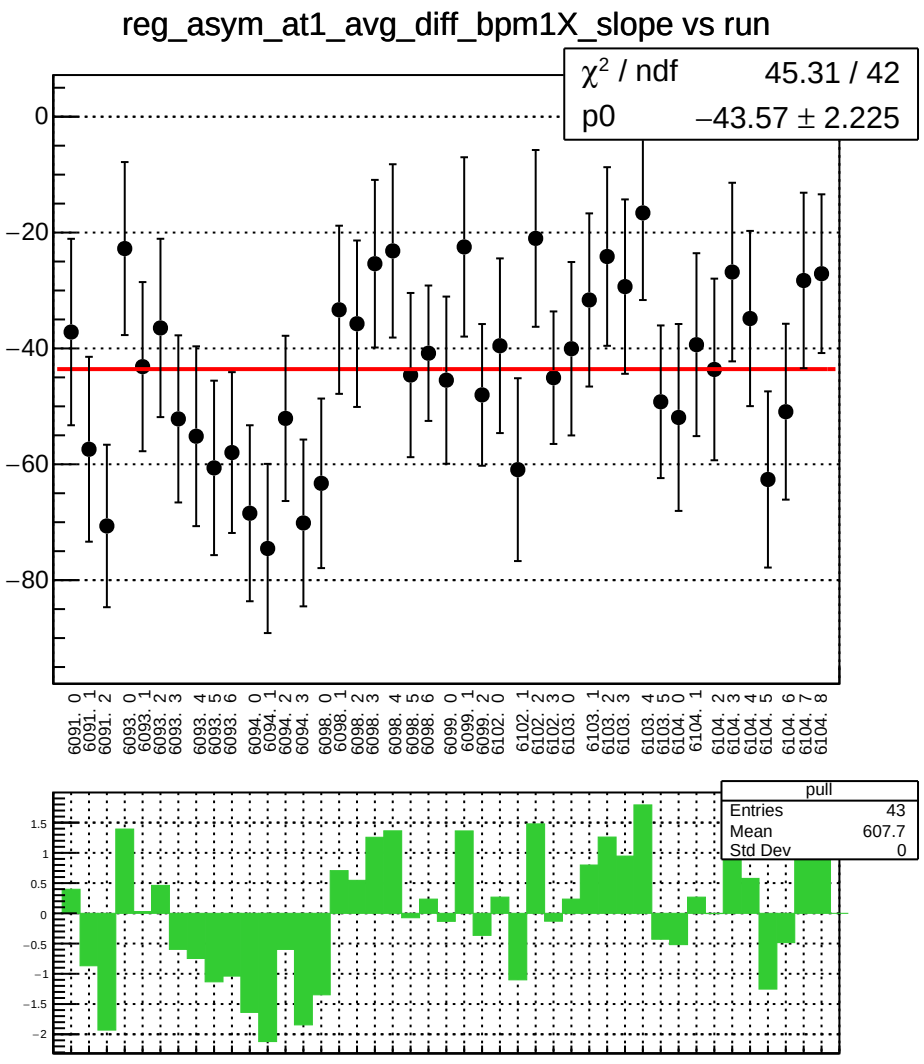

pull1D
Entries 43
Mean −0.005649
Std Dev 0.4663

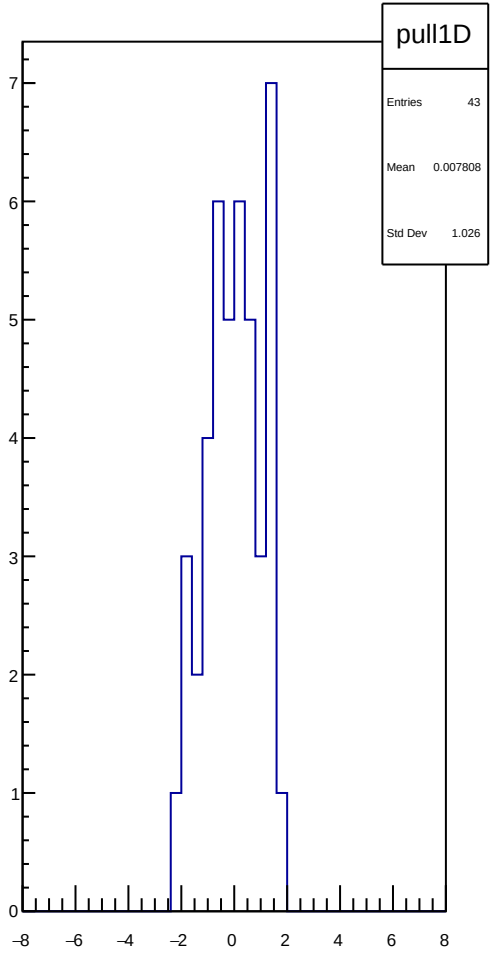

reg_asym_atr_dd_diff_bpm4eY_slope vs run
χ² / ndf 14.23 / 42
p0 −116.9 ± 6.346
pull
Entries 43
Mean 482.1
Std Dev 0

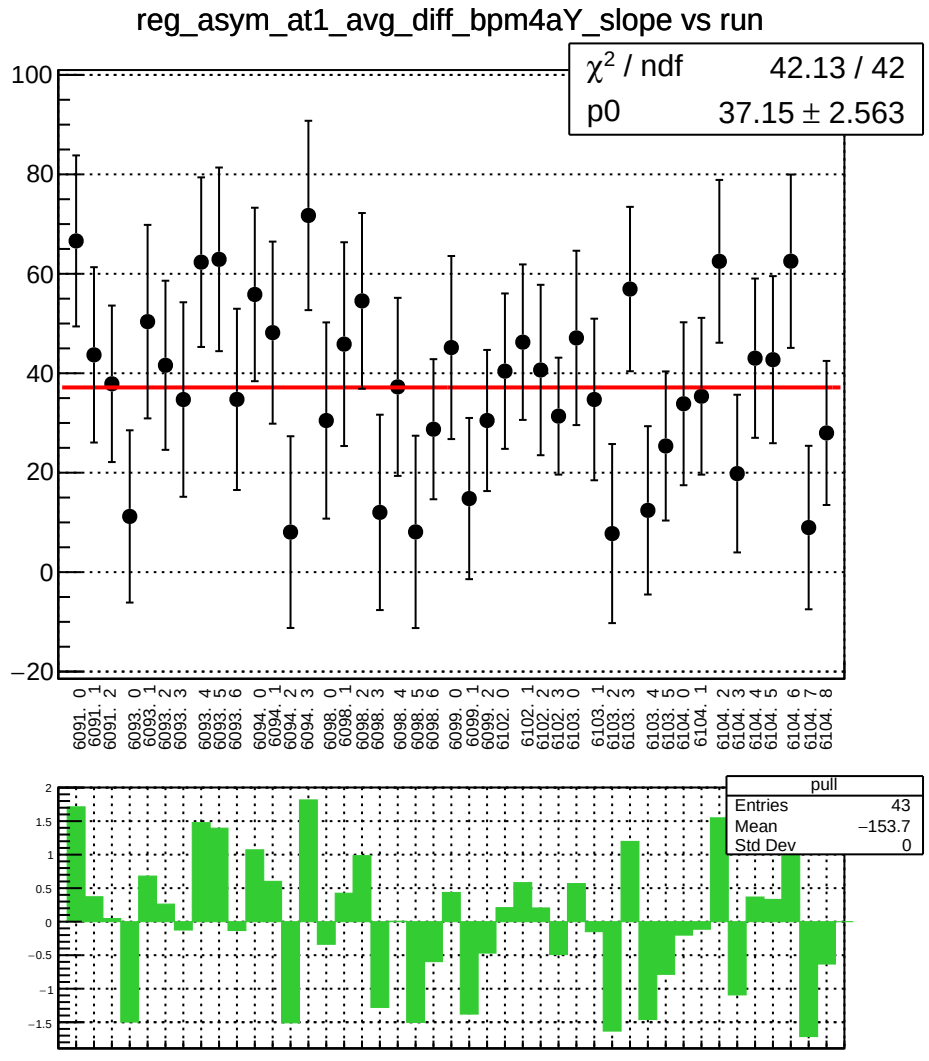

pull1D
Entries 43
Mean 0.007993
Std Dev 0.5753

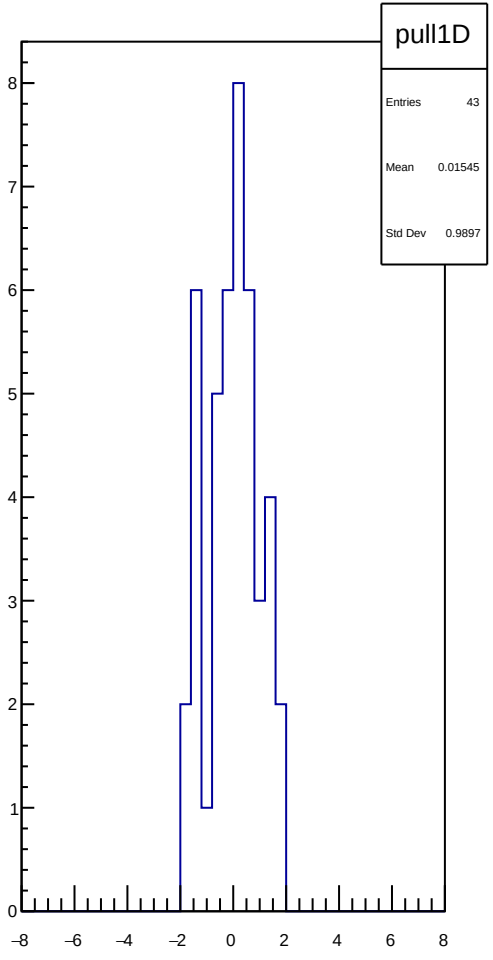

reg_asym_atr_dd_diff_bpm12X_slope vs run
χ² / ndf 10.97 / 42
p0 112.7 ± 0.4818
120
118
116
114
112
110
108
106
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 671.8
Std Dev 0
1
0.5
0
−0.5
−1

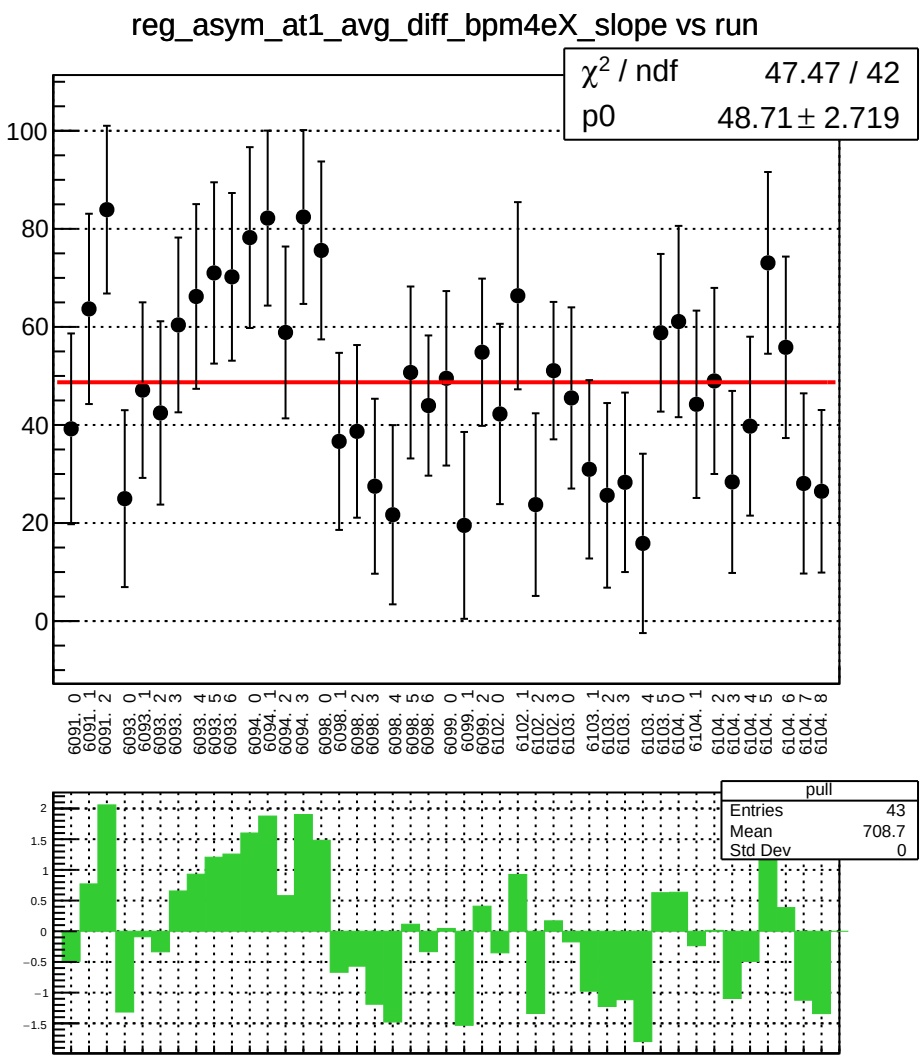

pull1D
Entries 43
Mean 0.002555
Std Dev 0.5052
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

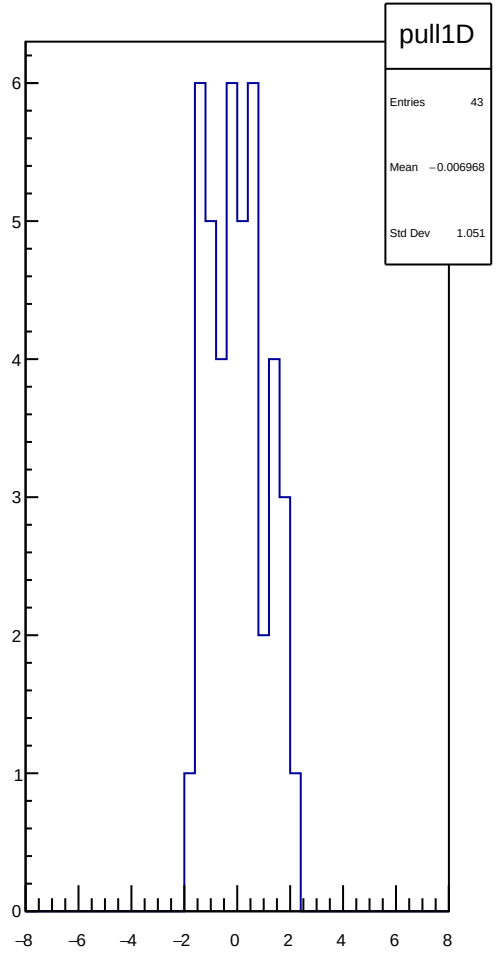

reg_asym_at1_avg_diff_bpm1X_slope vs run
χ² / ndf 45.31 / 42
p0 −43.57 ± 2.225
0
−20
−40
−60
−80
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 607.7
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2

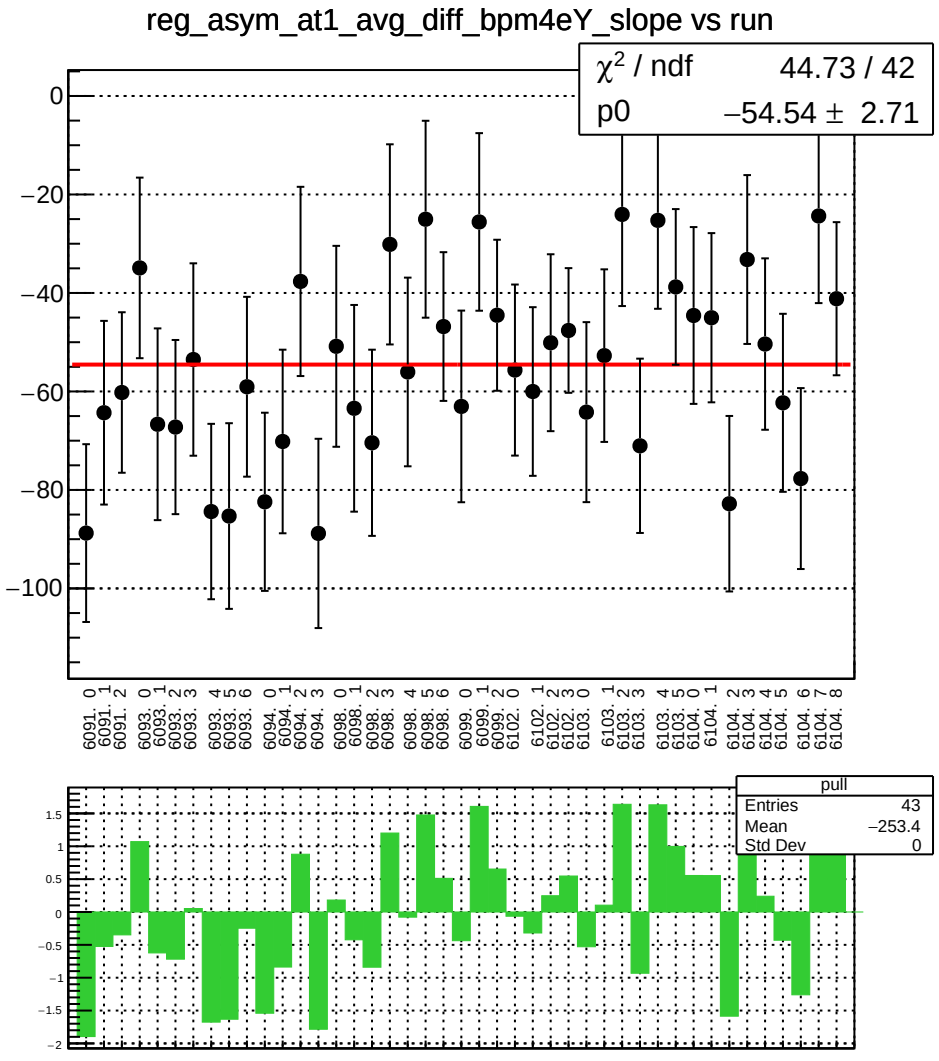

pull1D
Entries 43
Mean 0.007808
Std Dev 1.026
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

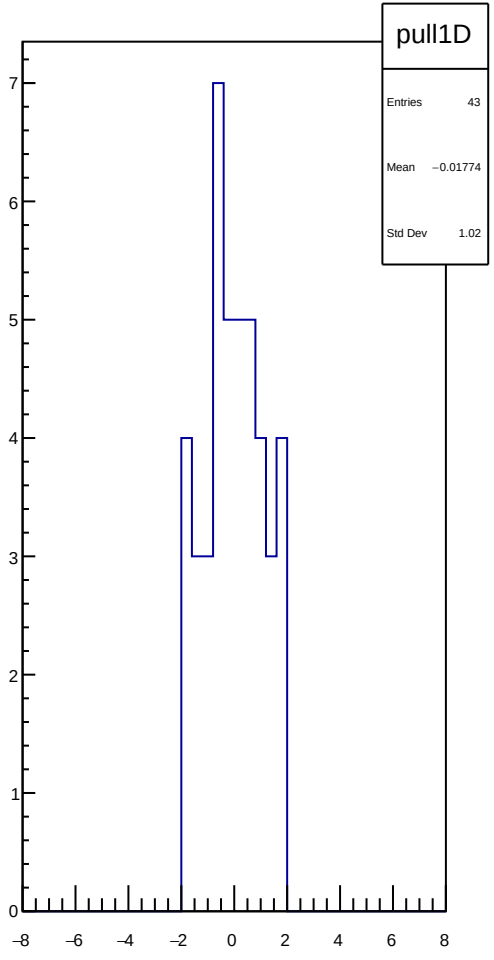

reg_asym_at1_avg_diff_bpm4aY_slope vs run
χ² / ndf 42.13 / 42
p0 37.15 ± 2.563
pull
Entries 43
Mean −153.7
Std Dev 0

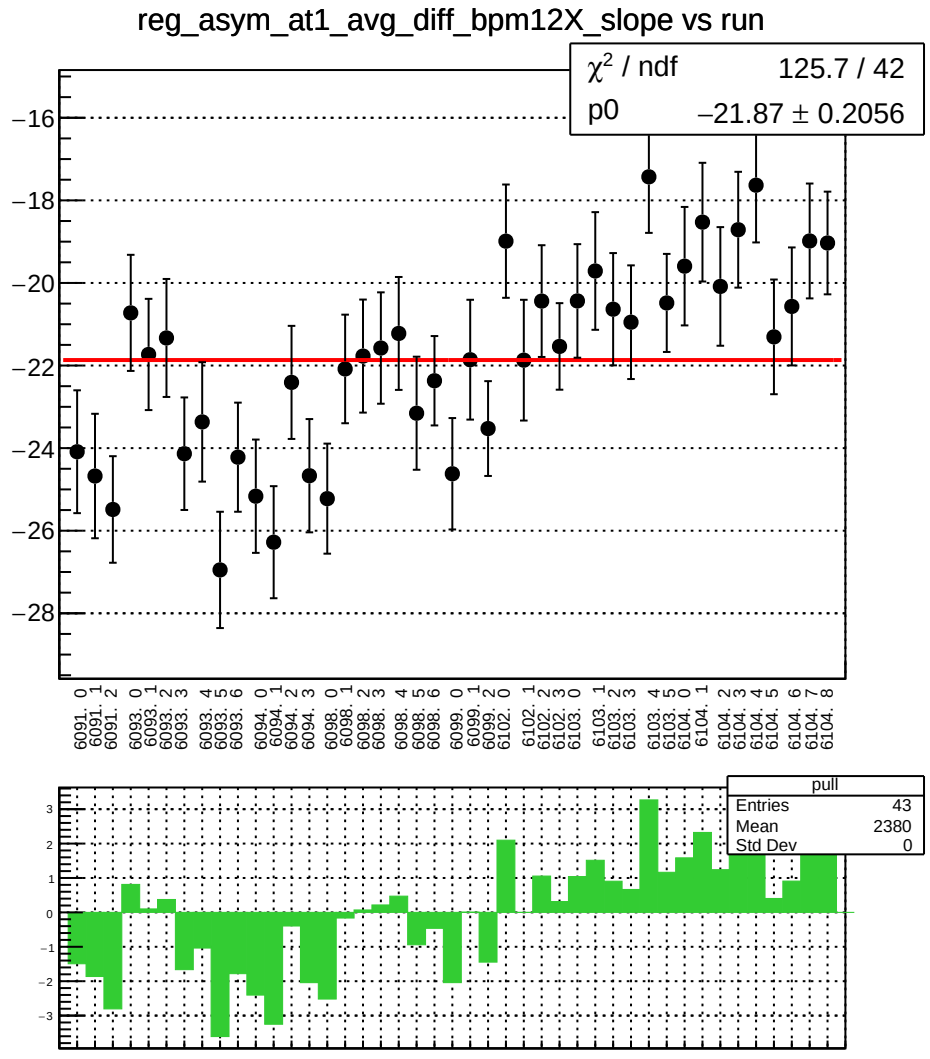

pull1D
Entries 43
Mean 0.01545
Std Dev 0.9897

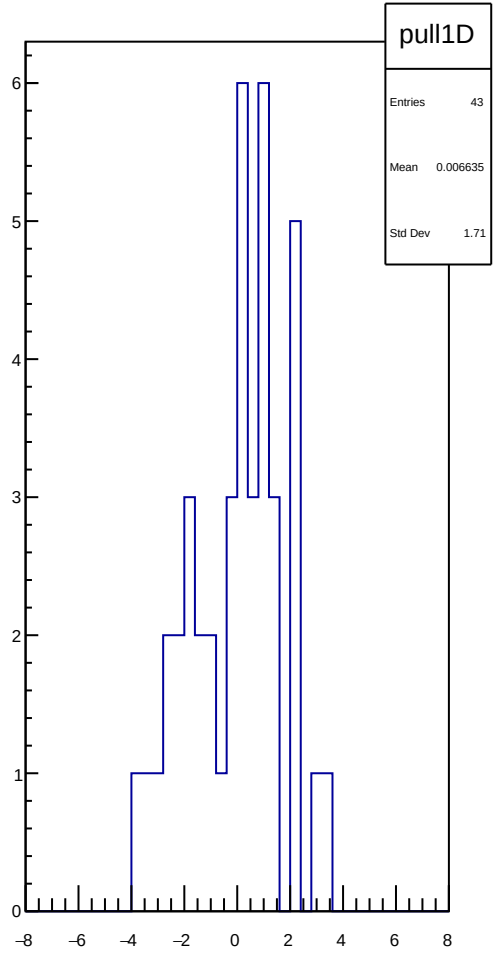

reg_asym_at1_avg_diff_bpm4eX_slope vs run
χ² / ndf 47.47 / 42
p0 48.71 ± 2.719
100
80
60
40
20
0
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 708.7
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5

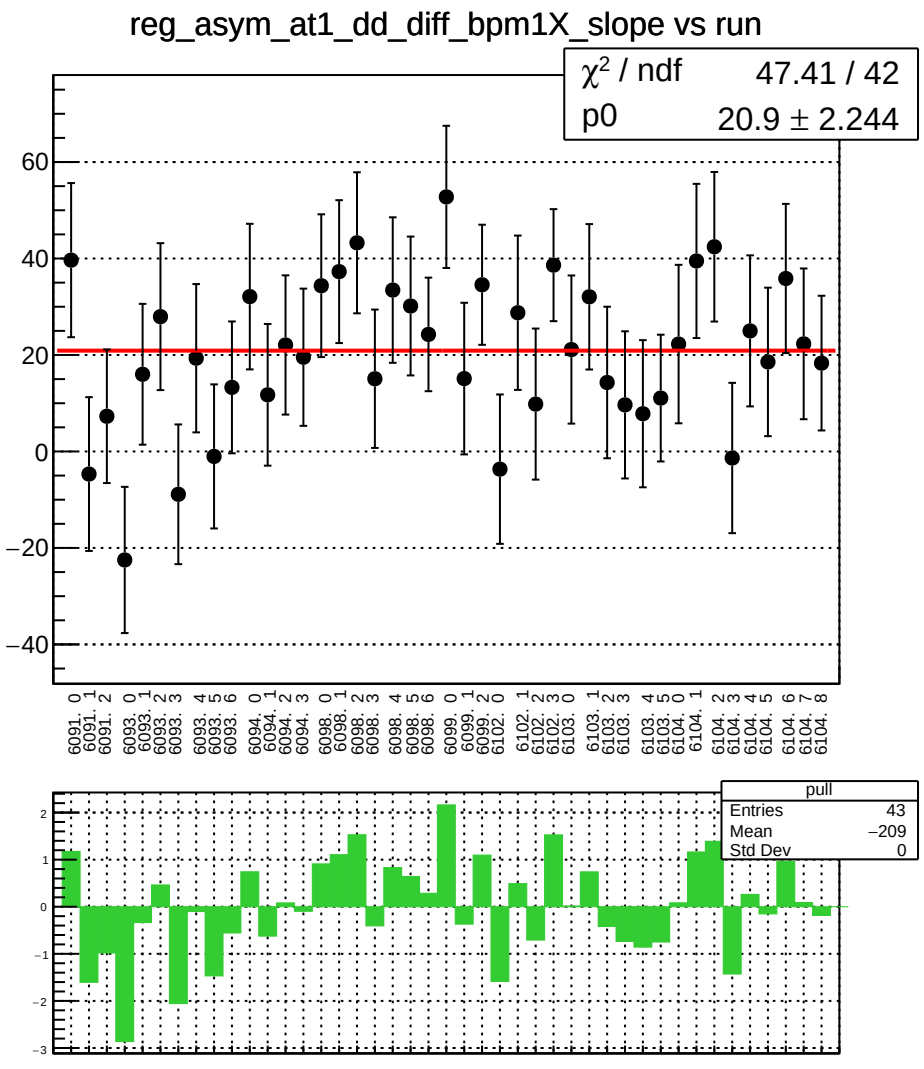

pull1D
Entries 43
Mean −0.006968
Std Dev 1.051
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

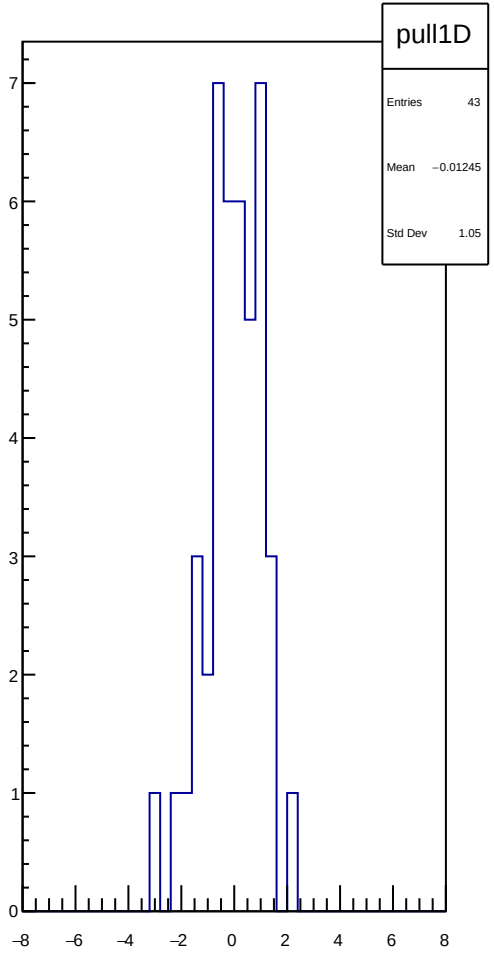

reg_asym_at1_avg_diff_bpm4eY_slope vs run
χ² / ndf 44.73 / 42
p0 −54.54 ± 2.71
0
−20
−40
−60
−80
−100
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean −253.4
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2

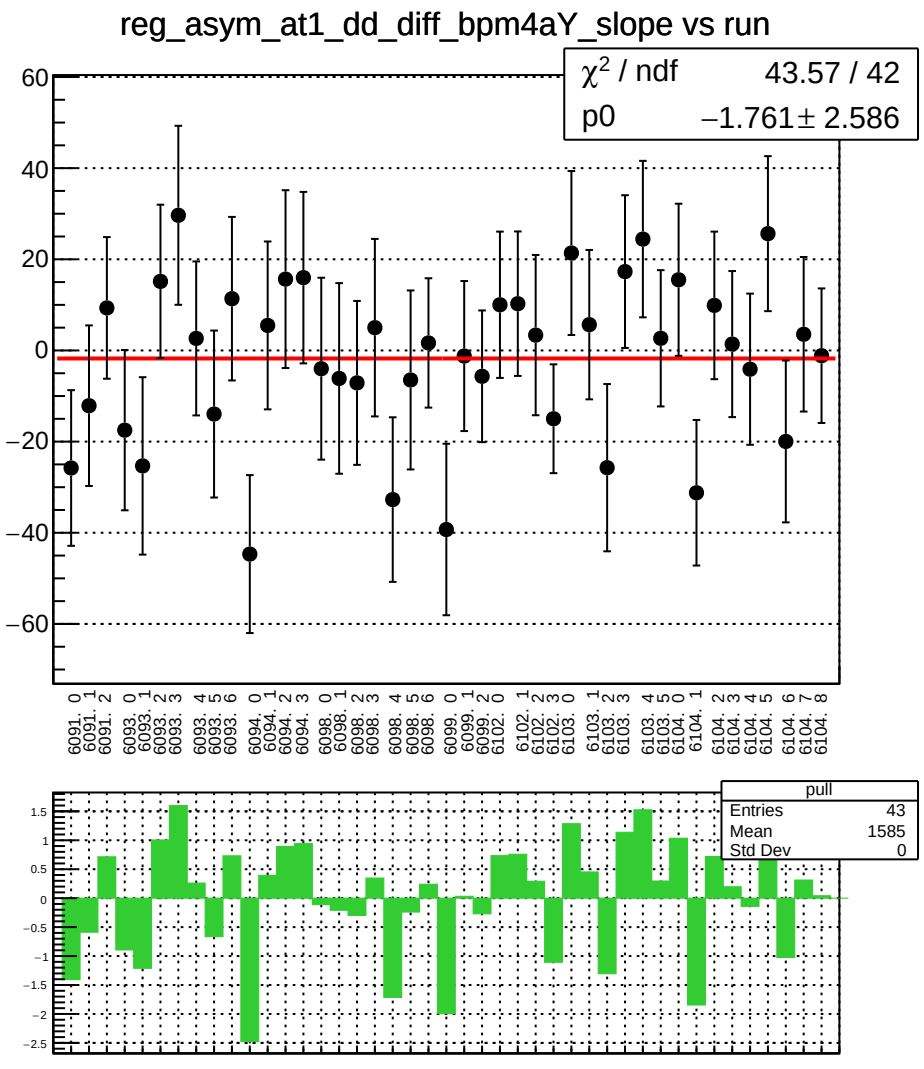

pull1D
Entries 43
Mean −0.01774
Std Dev 1.02
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

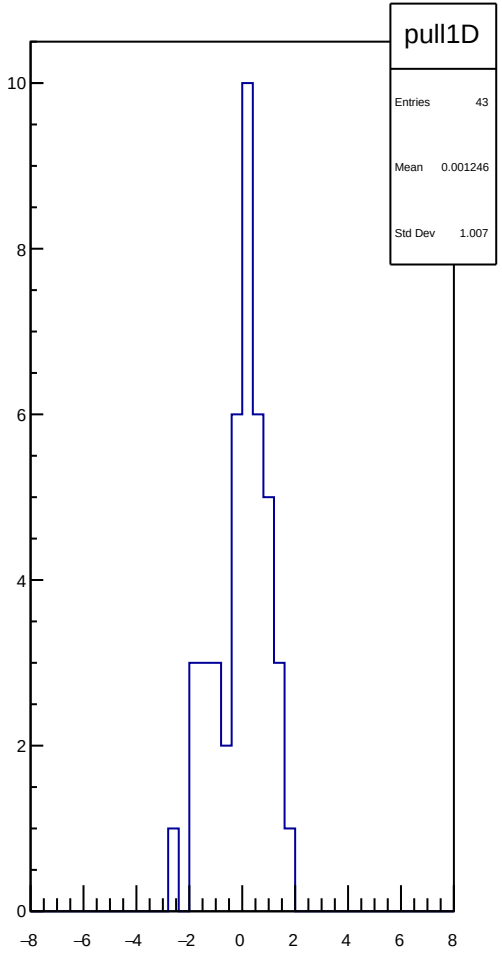

reg_asym_at1_avg_diff_bpm12X_slope vs run
χ² / ndf 125.7 / 42
p0 −21.87 ± 0.2056
pull
Entries 43
Mean 2380
Std Dev 0

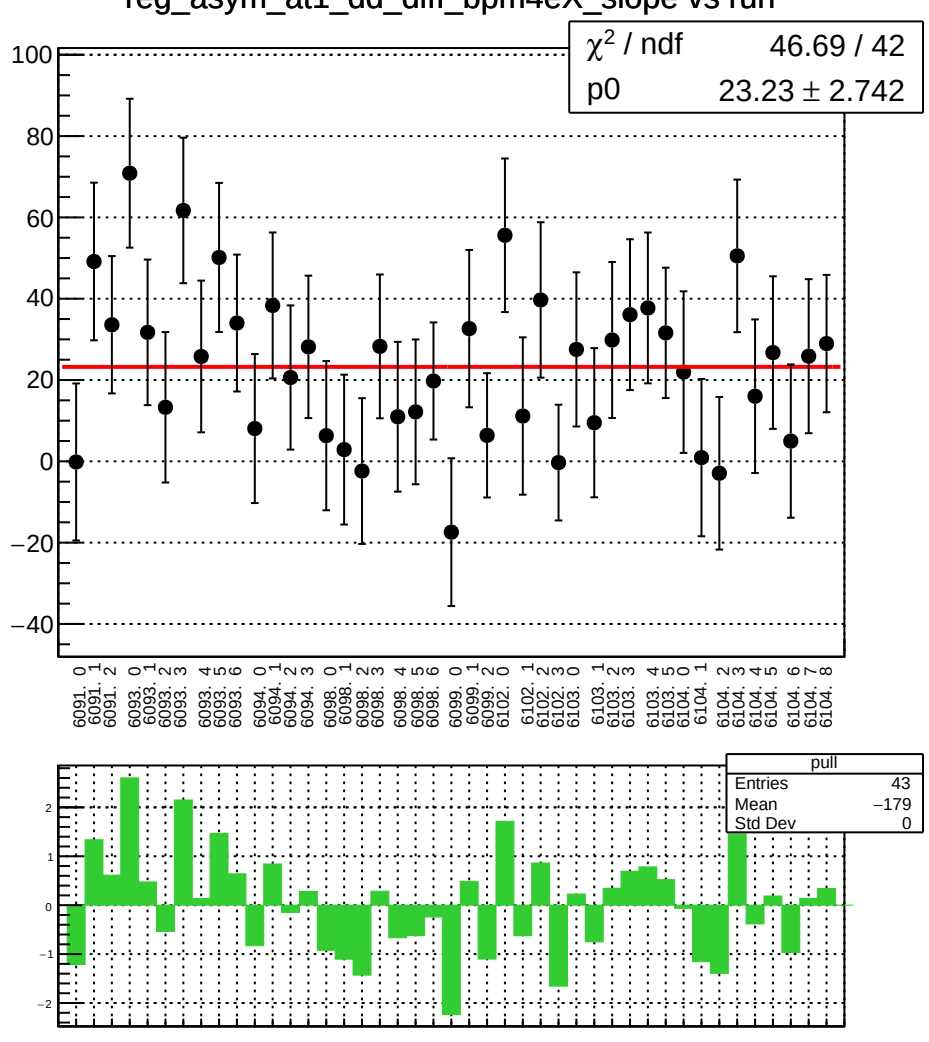

pull1D
Entries 43
Mean 0.006635
Std Dev 1.71

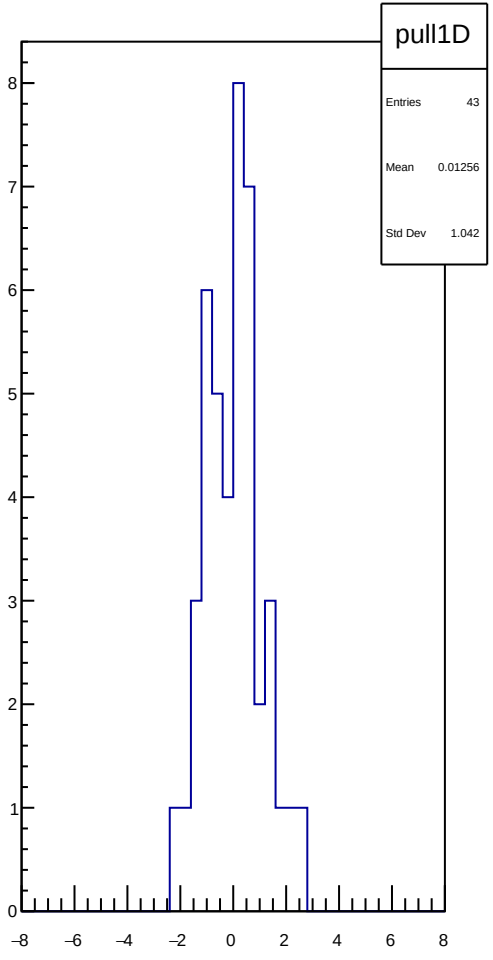

reg_asym_at1_dd_diff_bpm1X_slope vs run
χ² / ndf 47.41 / 42
p0 20.9 ± 2.244
pull
Entries 43
Mean −209
Std Dev 0

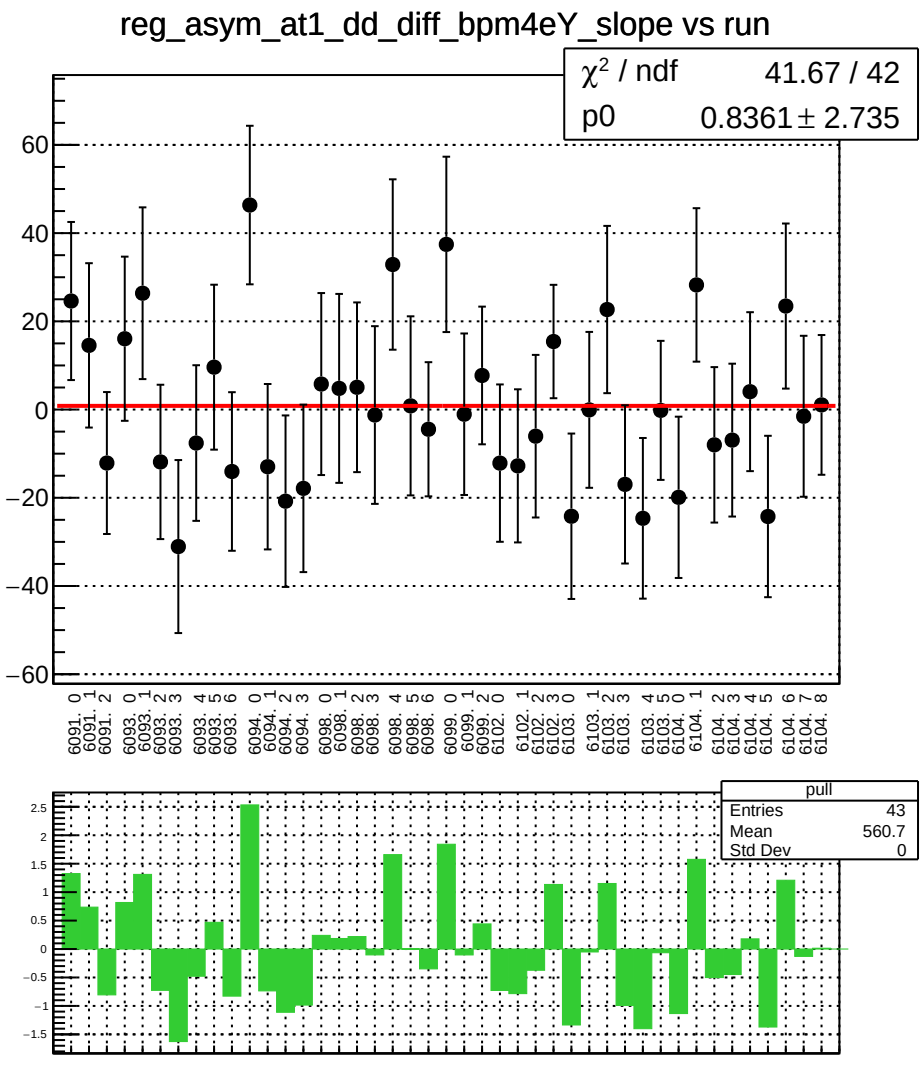

pull1D
Entries 43
Mean −0.01245
Std Dev 1.05

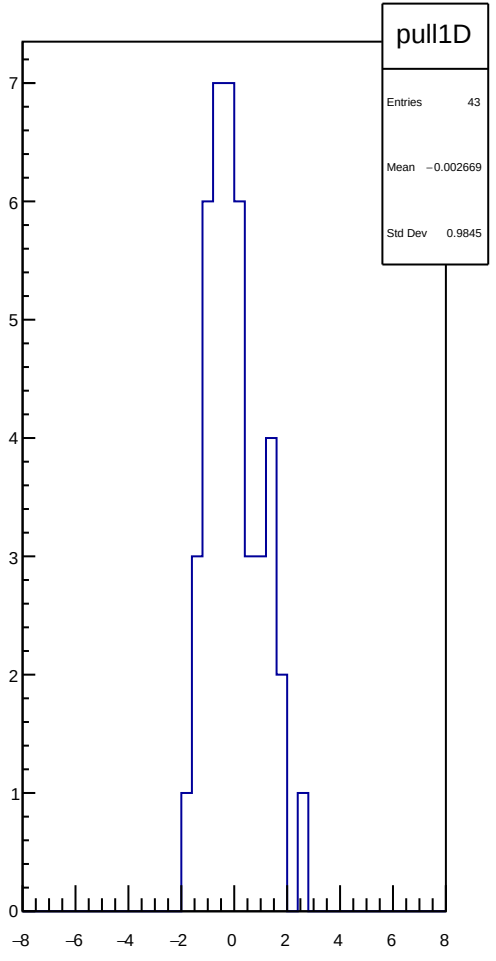

reg_asym_at1_dd_diff_bpm4aY_slope vs run
χ^2 / ndf 43.57 / 42
p0 −1.761± 2.586
pull
Entries 43
Mean 1585
Std Dev 0

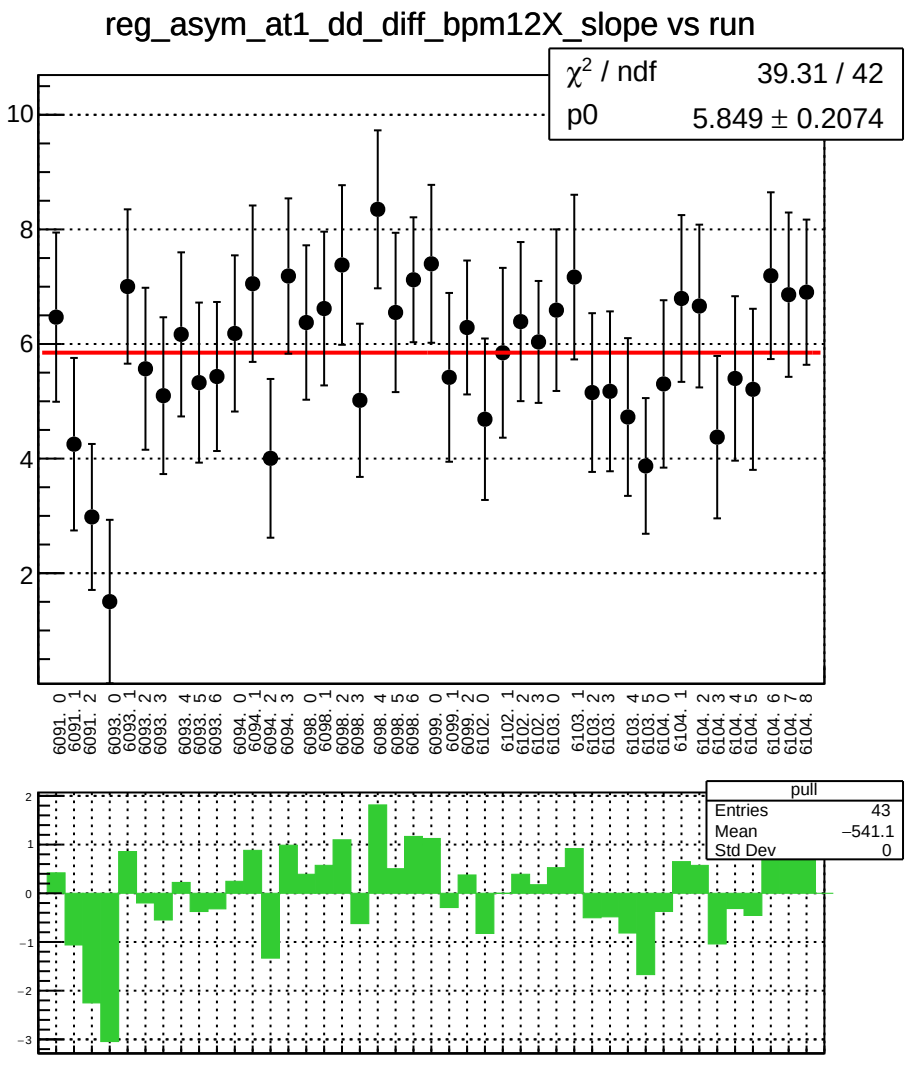

pull1D
Entries 43
Mean 0.001246
Std Dev 1.007

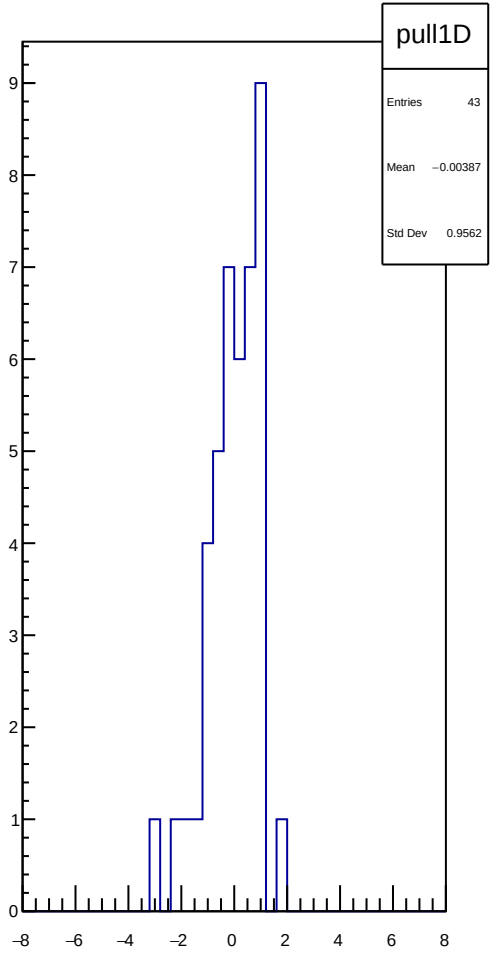

reg_asym_at1_dd_diff_bpm4eX_slope vs run
χ² / ndf 46.69 / 42
p0 23.23 ± 2.742
pull
Entries 43
Mean −179
Std Dev 0

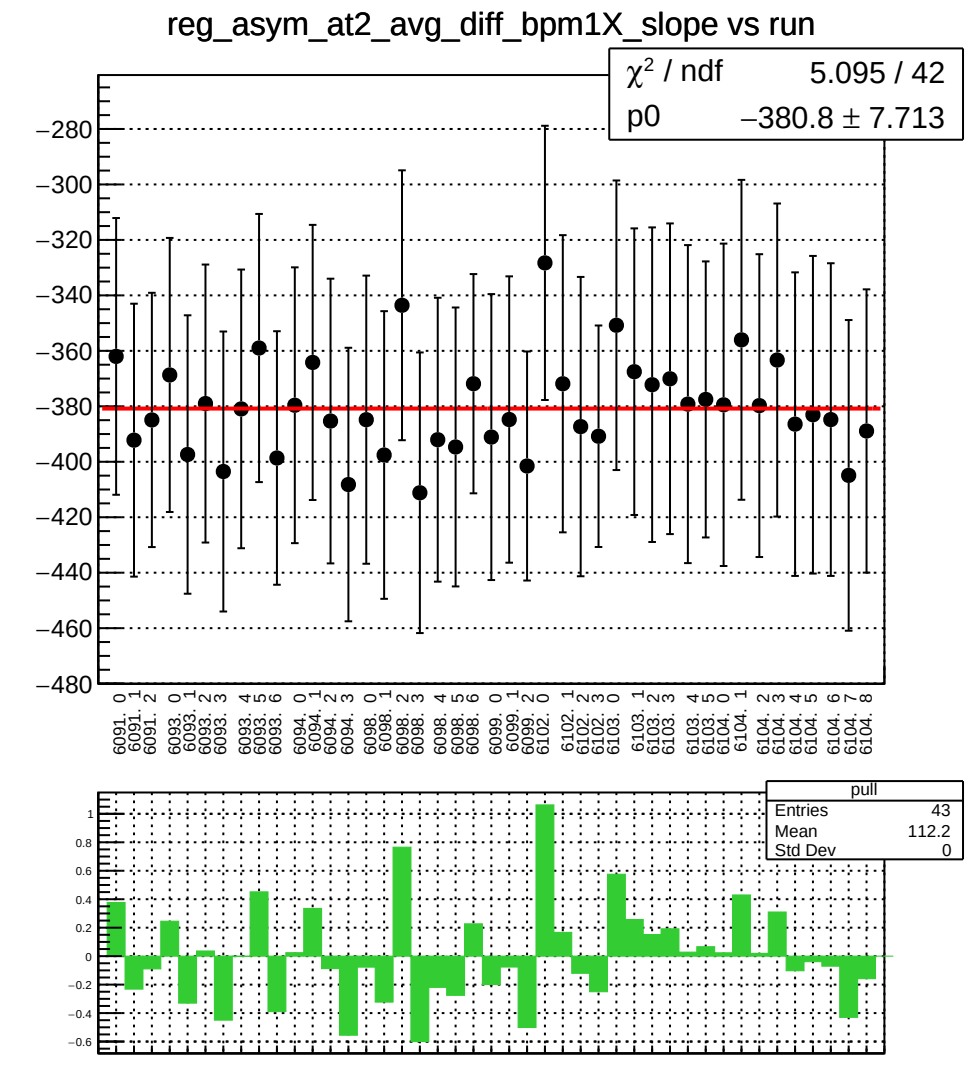

pull1D
Entries 43
Mean 0.01256
Std Dev 1.042

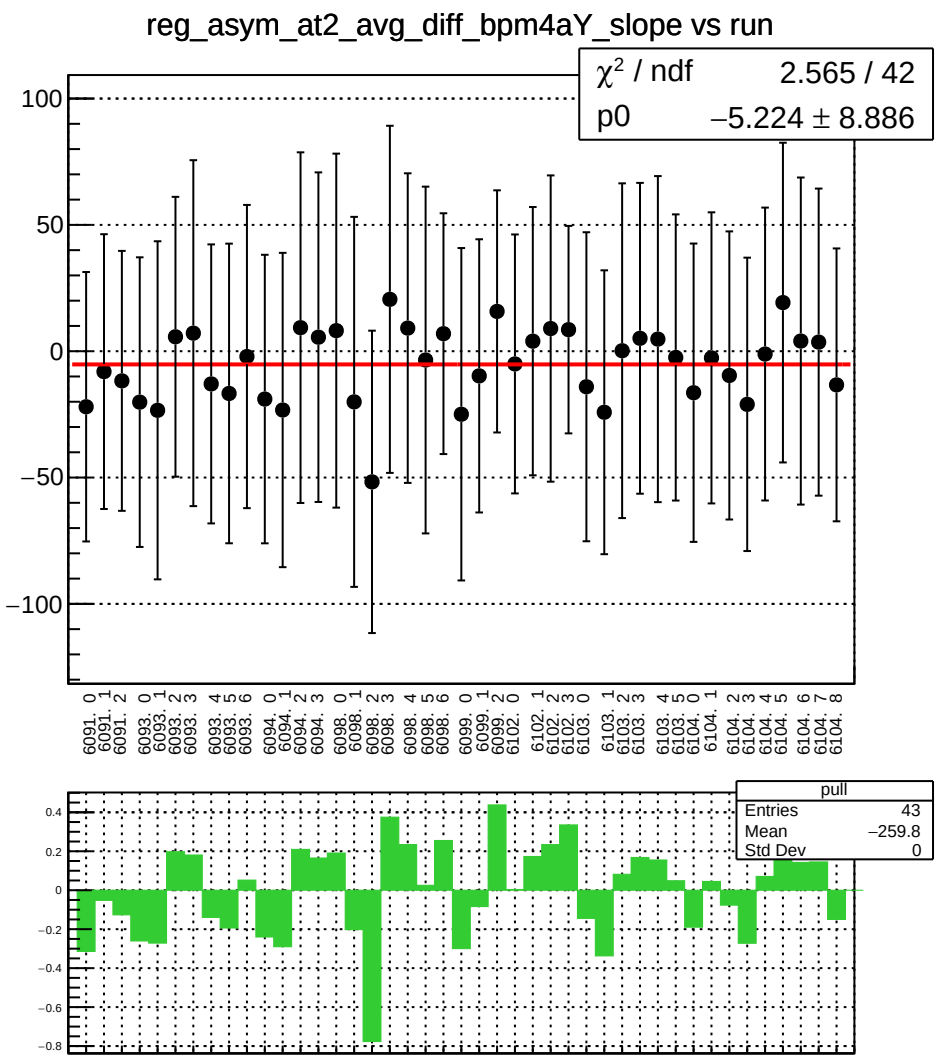

reg_asym_at1_dd_diff_bpm4eY_slope vs run
χ² / ndf 41.67 / 42
p0 0.8361 ± 2.735
pull
Entries 43
Mean 560.7
Std Dev 0

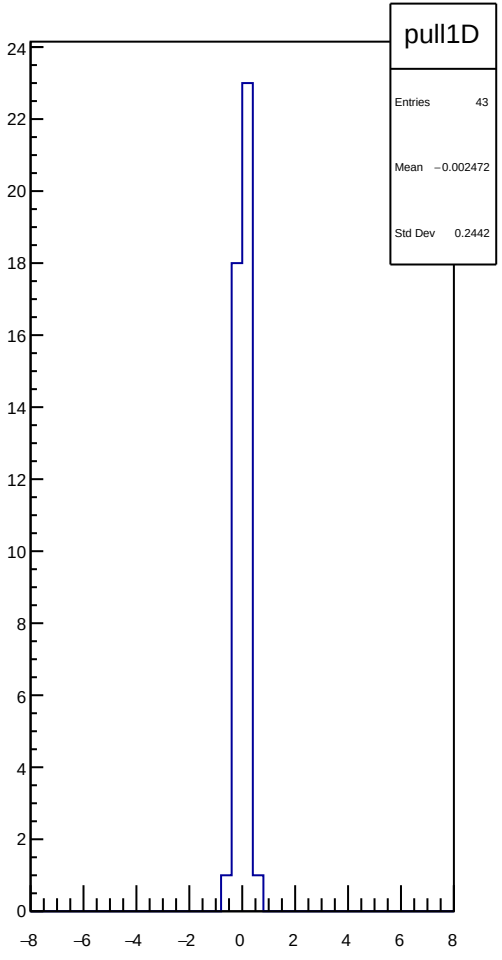

pull1D
Entries 43
Mean −0.002669
Std Dev 0.9845

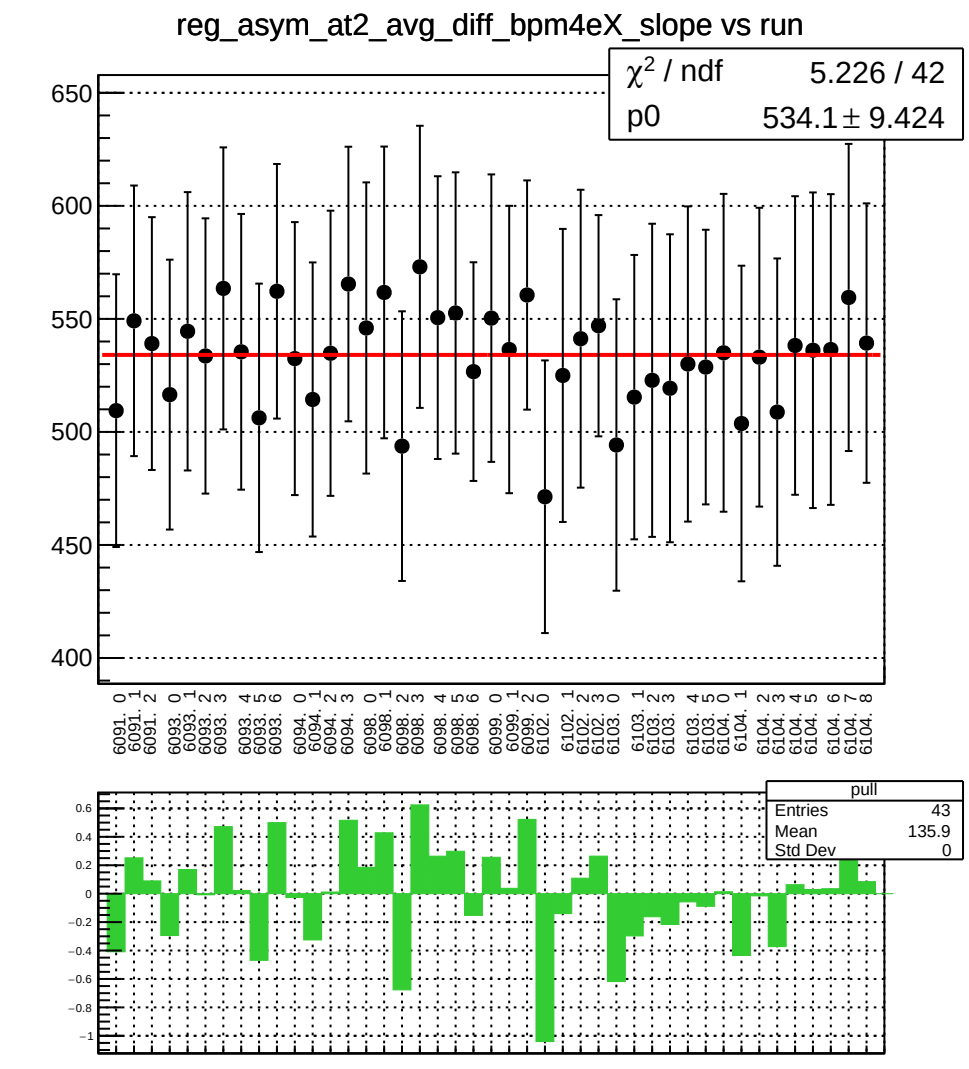

reg_asym_at1_dd_diff_bpm12X_slope vs run
χ^2 / ndf 39.31 / 42
p0 5.849 ± 0.2074
pull
Entries 43
Mean −541.1
Std Dev 0

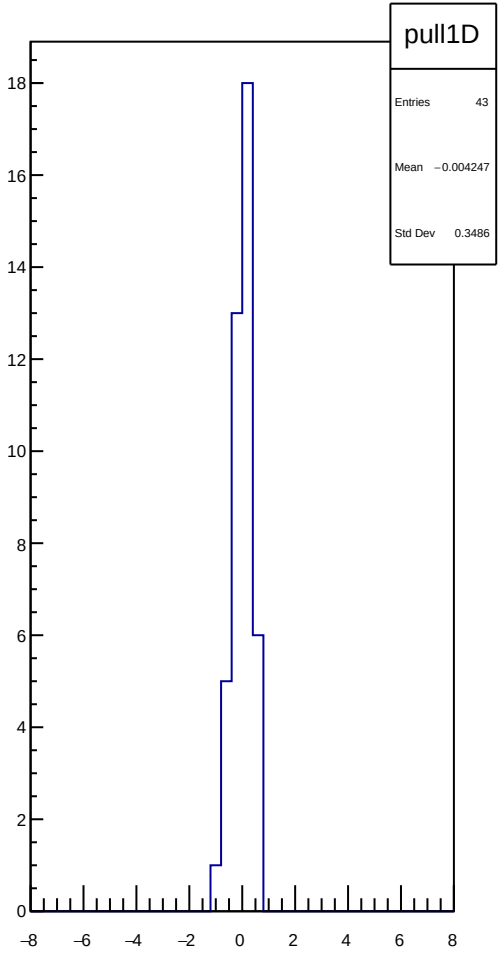

pull1D
Entries 43
Mean −0.00387
Std Dev 0.9562

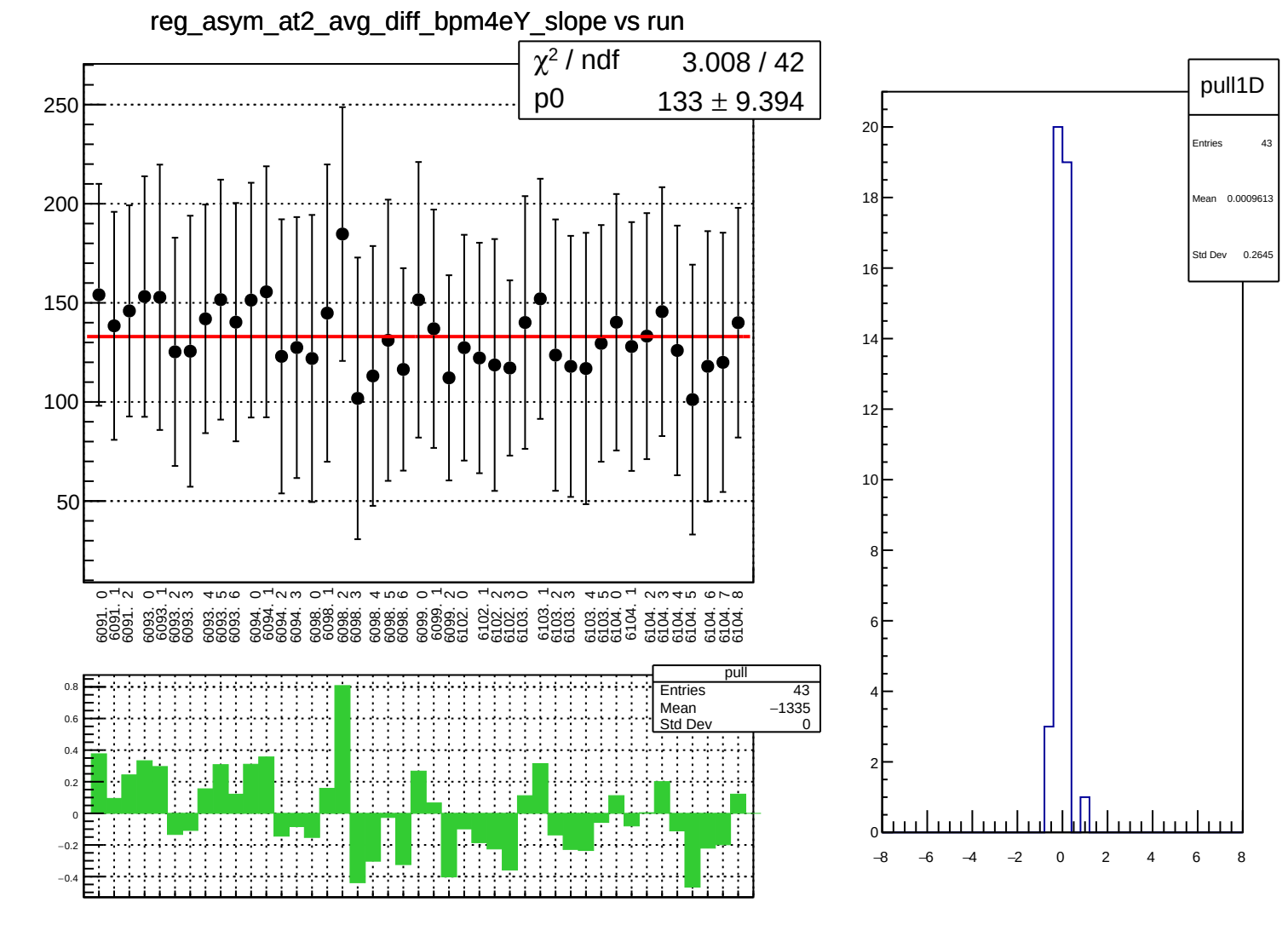

reg_asym_at2_avg_diff_bpm1X_slope vs run
χ² / ndf 5.095 / 42
p0 −380.8 ± 7.713
pull
Entries 43
Mean 112.2
Std Dev 0
pull1D
Entries 43
Mean 0.003914
Std Dev 0.3442

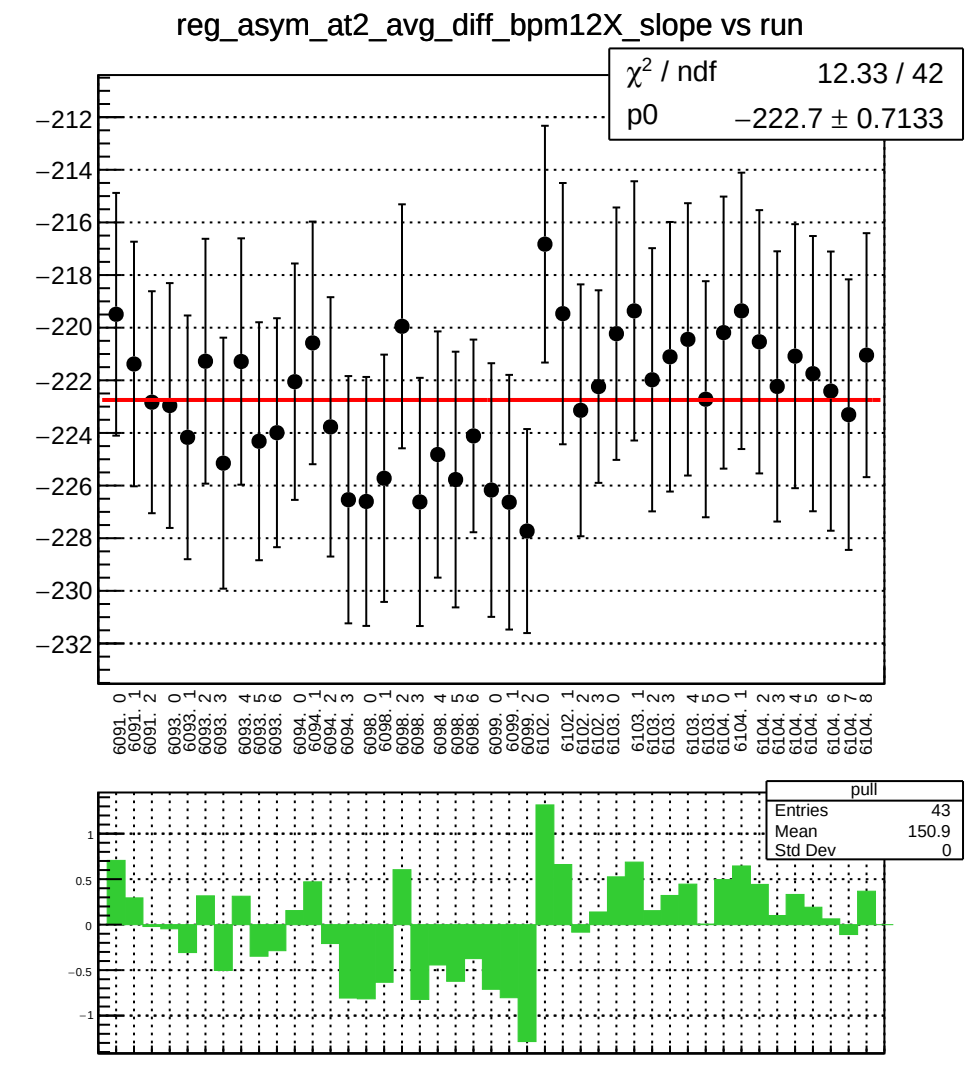

reg_asym_at2_avg_diff_bpm4aY_slope vs run
χ² / ndf 2.565 / 42
p0 −5.224 ± 8.886
100
50
0
−50
−100
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean −259.8
Std Dev 0
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8

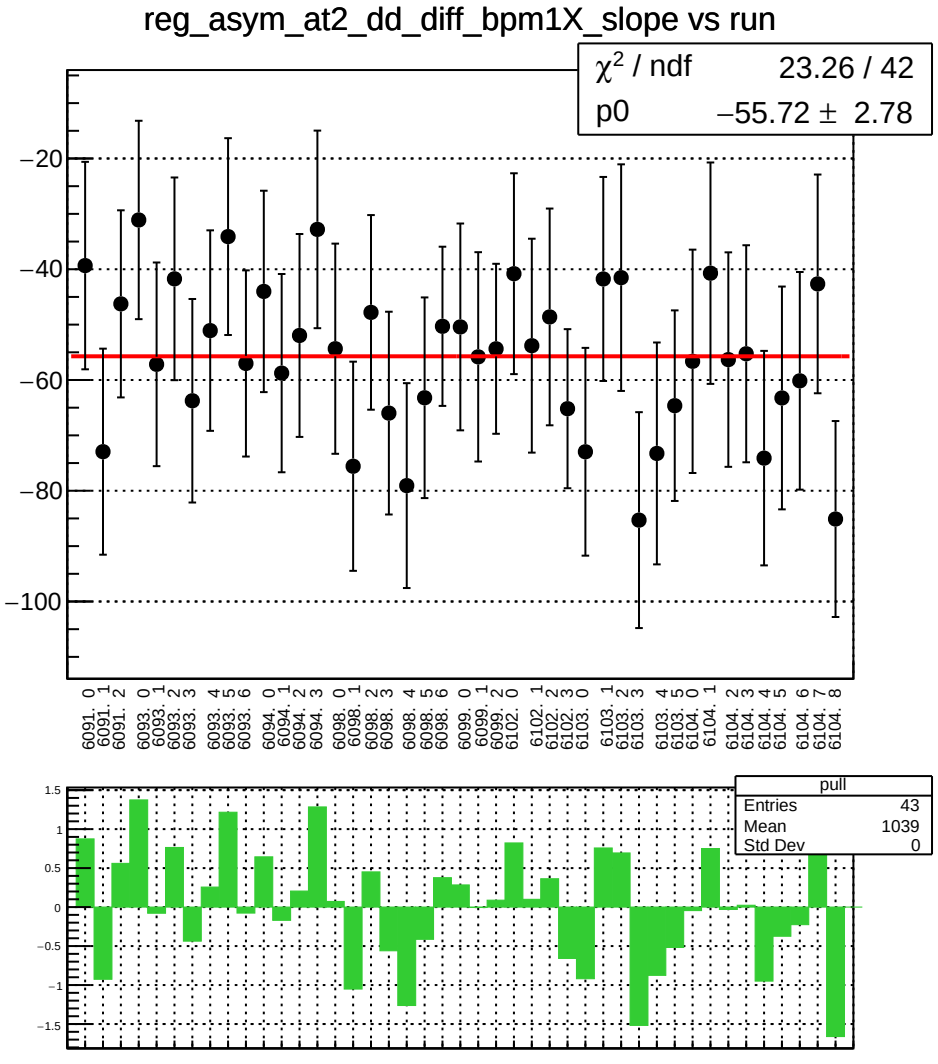

pull1D
Entries 43
Mean −0.002472
Std Dev 0.2442
24
22
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

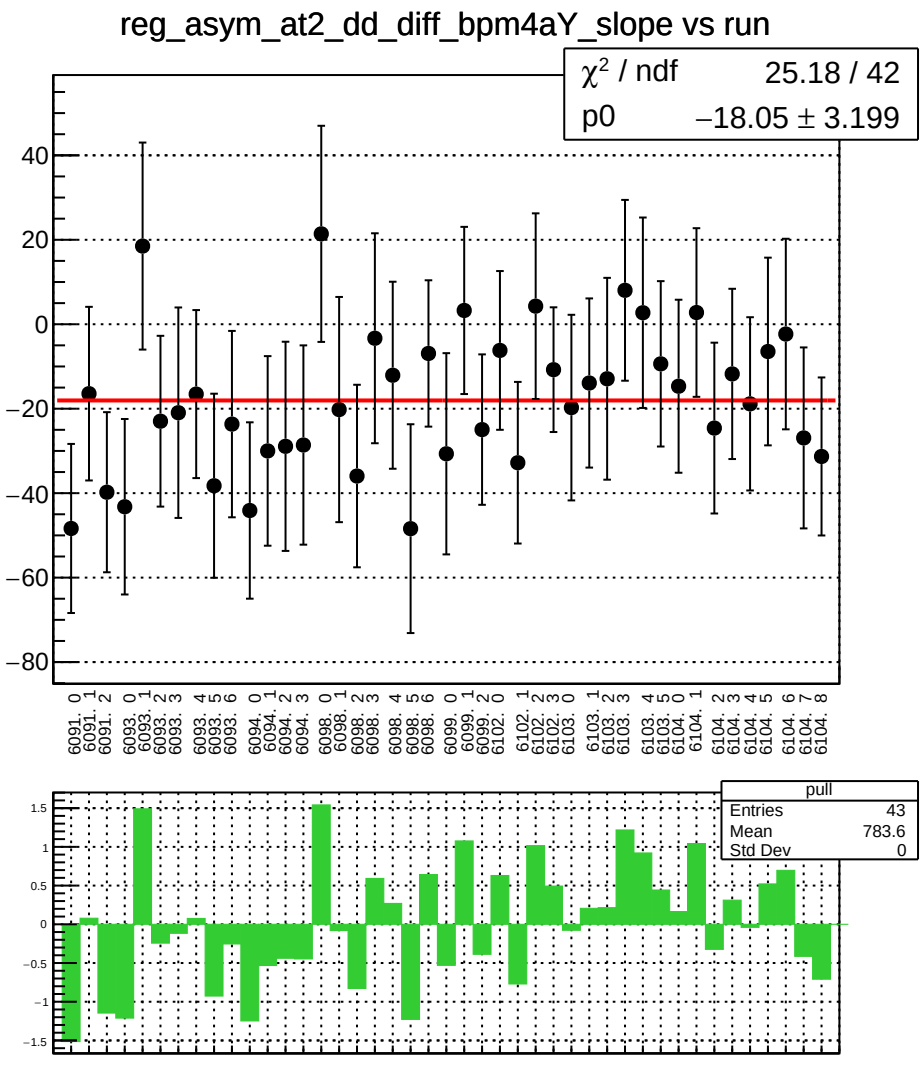

reg_asym_at2_avg_diff_bpm4eX_slope vs run
χ² / ndf 5.226 / 42
p0 534.1 ± 9.424
650
600
550
500
450
400
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 135.9
Std Dev 0
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
−1

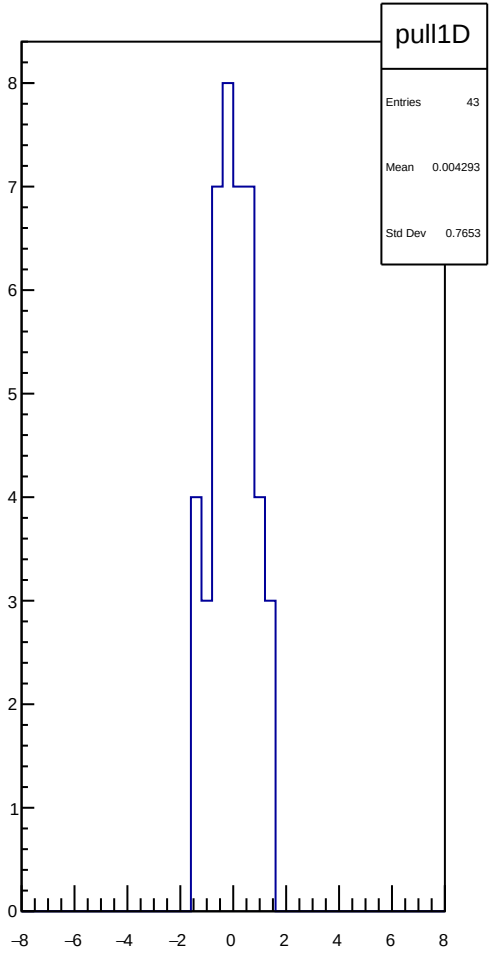

pull1D
Entries 43
Mean −0.004247
Std Dev 0.3486
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

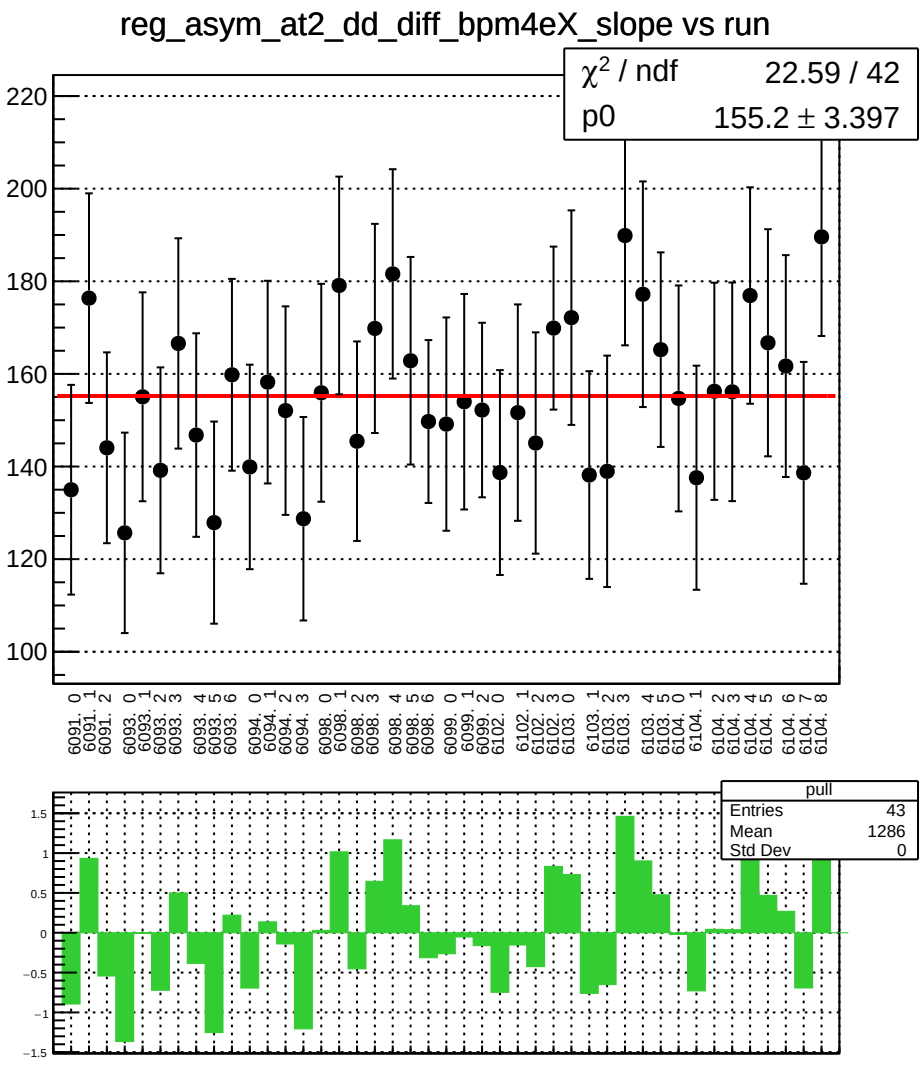

reg_asym_at2_avg_diff_bpm4eY_slope vs run
χ² / ndf 3.008 / 42
p0 133 ± 9.394
250
200
150
100
50
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean −1335
Std Dev 0
0.8
0.6
0.4
0.2
0
−0.2
−0.4
pull1D
Entries 43
Mean 0.0009613
Std Dev 0.2645
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

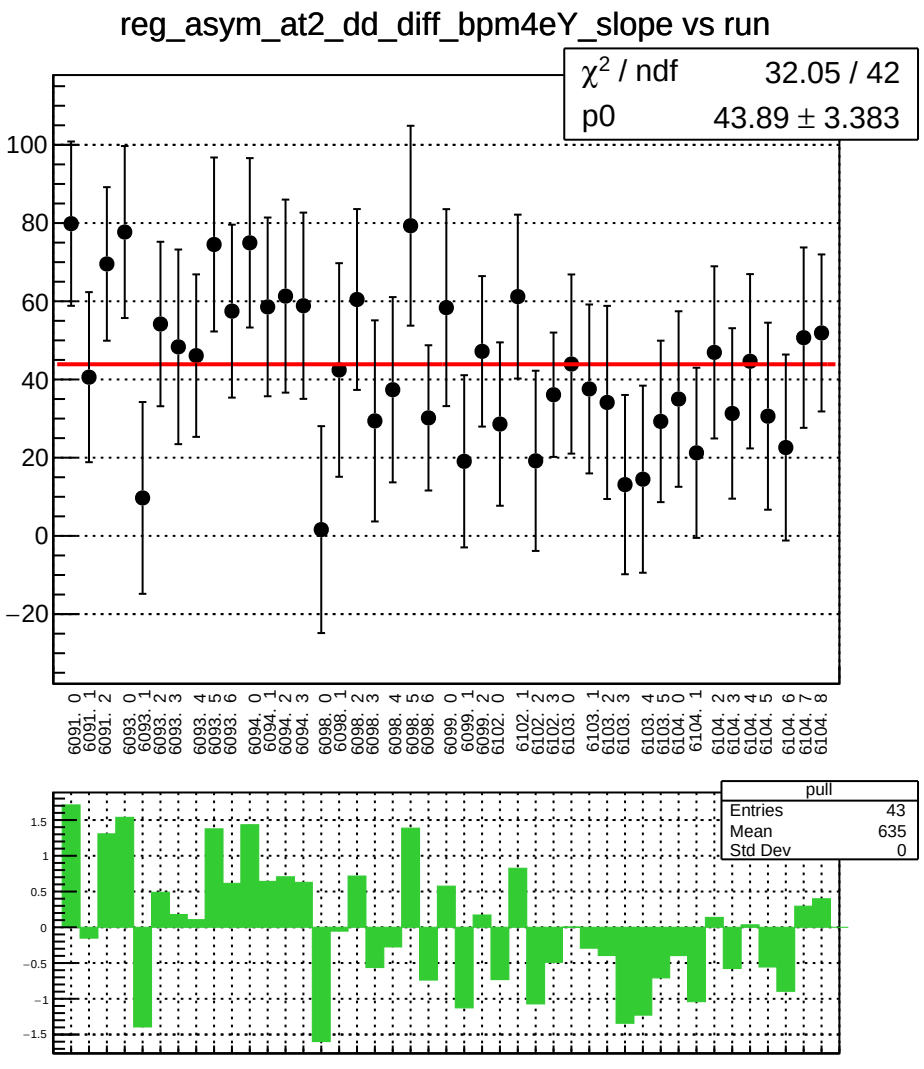

reg_asym_at2_avg_diff_bpm12X_slope vs run
χ² / ndf 12.33 / 42
p0 −222.7 ± 0.7133
−212
−214
−216
−218
−220
−222
−224
−226
−228
−230
−232
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 150.9
Std Dev 0
1
0.5
0
−0.5
−1
pull1D
Entries 43
Mean 0.01228
Std Dev 0.5354
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

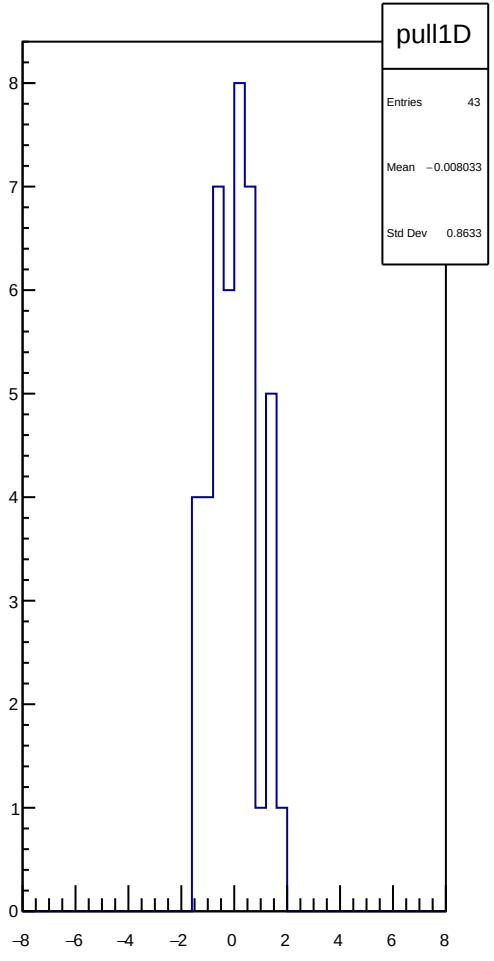

reg_asym_at2_dd_diff_bpm1X_slope vs run
χ² / ndf 23.26 / 42
p0 −55.72 ± 2.78
−20
−40
−60
−80
−100
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 1039
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 43
Mean −0.002943
Std Dev 0.7355
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

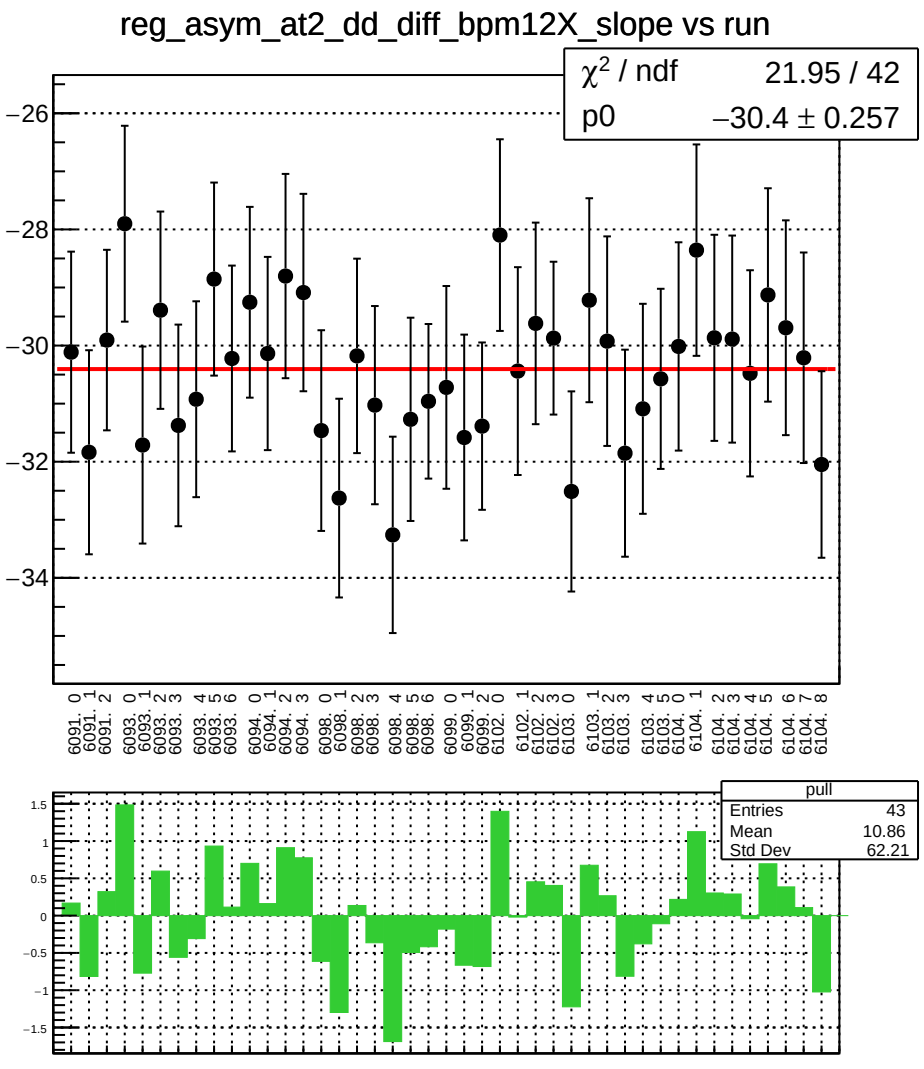

reg_asym_at2_dd_diff_bpm4aY_slope vs run
χ² / ndf 25.18 / 42
p0 −18.05 ± 3.199
pull
Entries 43
Mean 783.6
Std Dev 0

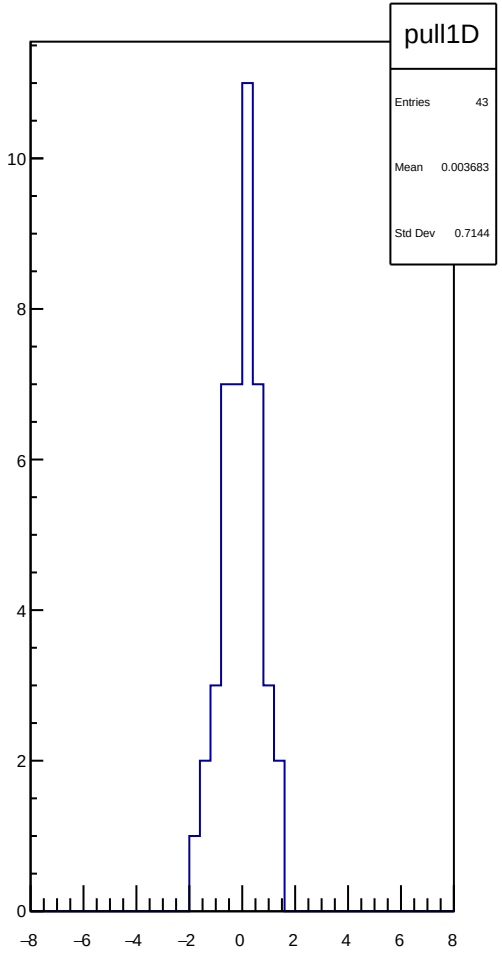

pull1D
Entries 43
Mean 0.004293
Std Dev 0.7653

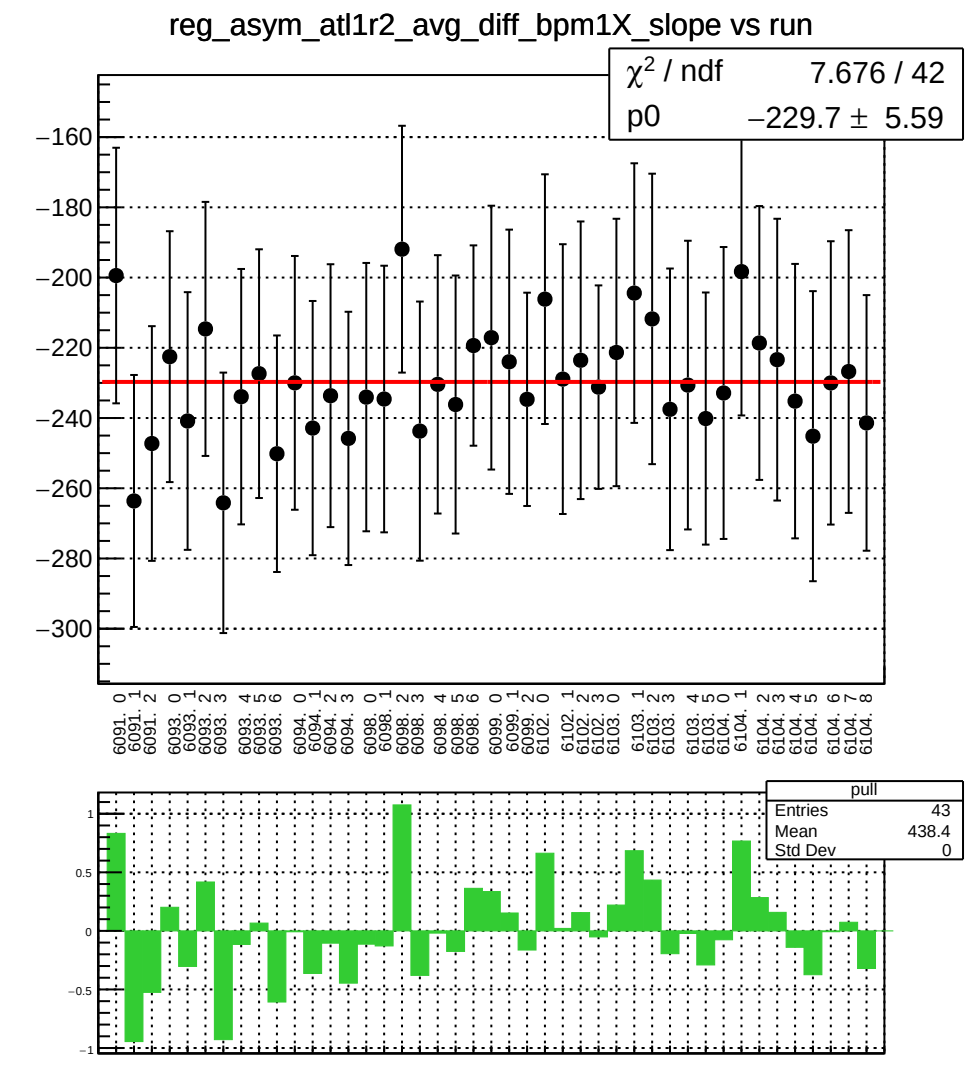

reg_asym_at2_dd_diff_bpm4eX_slope vs run
χ² / ndf 22.59 / 42
p0 155.2 ± 3.397
220
200
180
160
140
120
100
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 1286
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 43
Mean 0.002353
Std Dev 0.7248
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

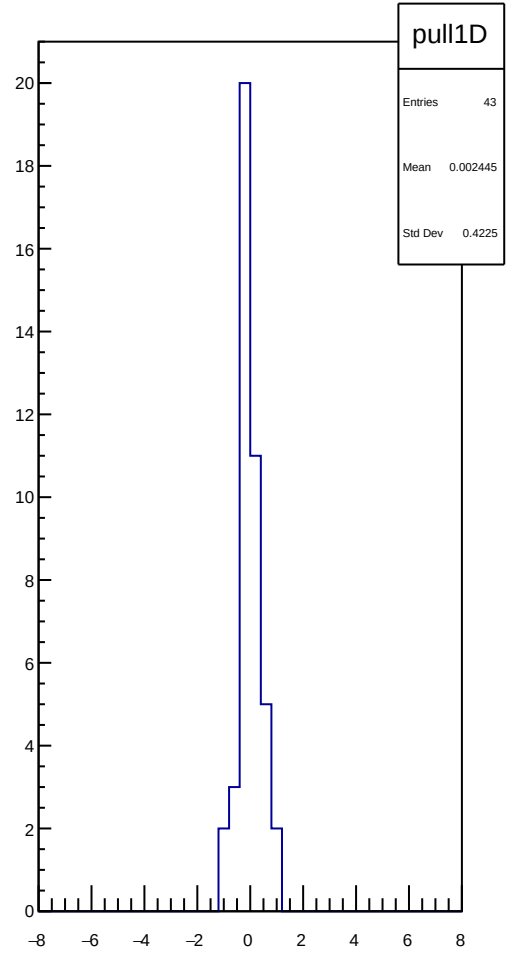

reg_asym_at2_dd_diff_bpm4eY_slope vs run
χ² / ndf 32.05 / 42
p0 43.89 ± 3.383
pull
Entries 43
Mean 635
Std Dev 0

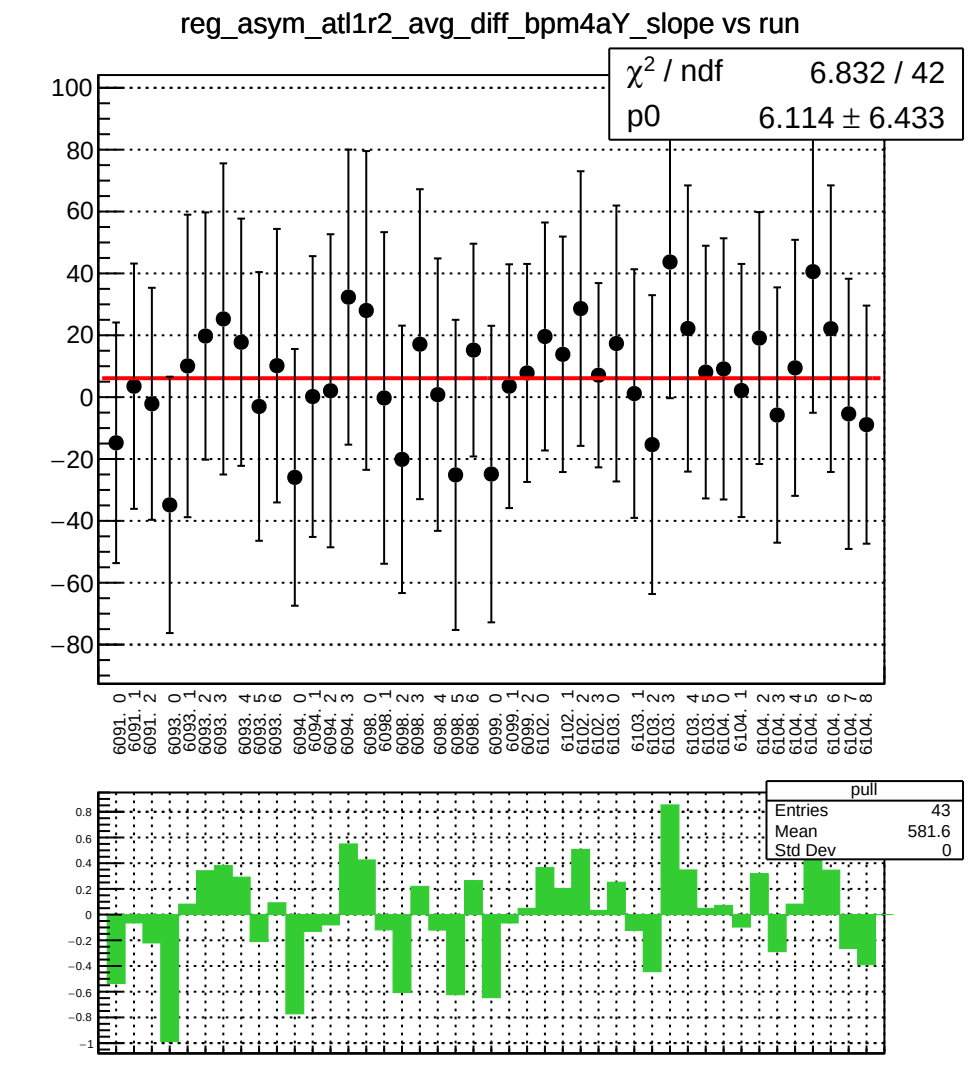

pull1D
Entries 43
Mean −0.008033
Std Dev 0.8633

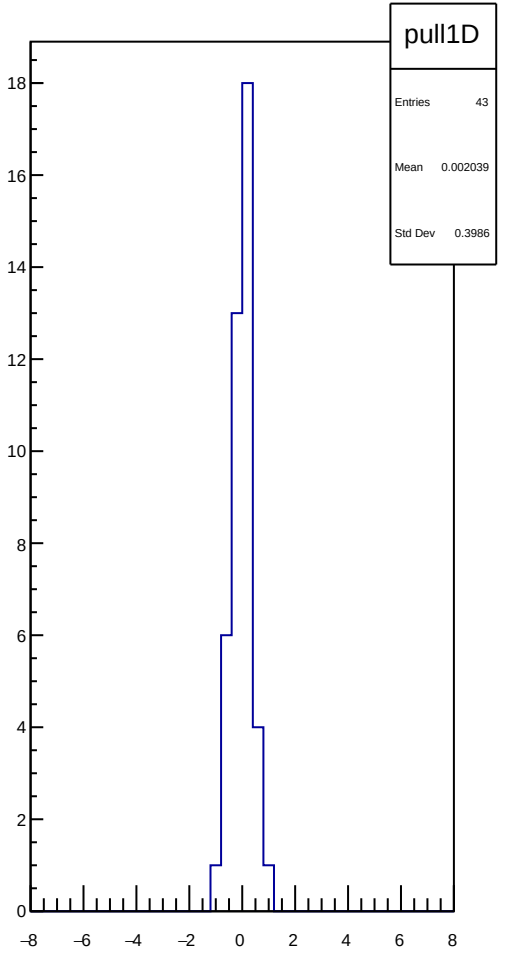

reg_asym_at2_dd_diff_bpm12X_slope vs run
χ² / ndf 21.95 / 42
p0 −30.4 ± 0.257
−26
−28
−30
−32
−34
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 10.86
Std Dev 62.21
1.5
1
0.5
0
−0.5
−1
−1.5

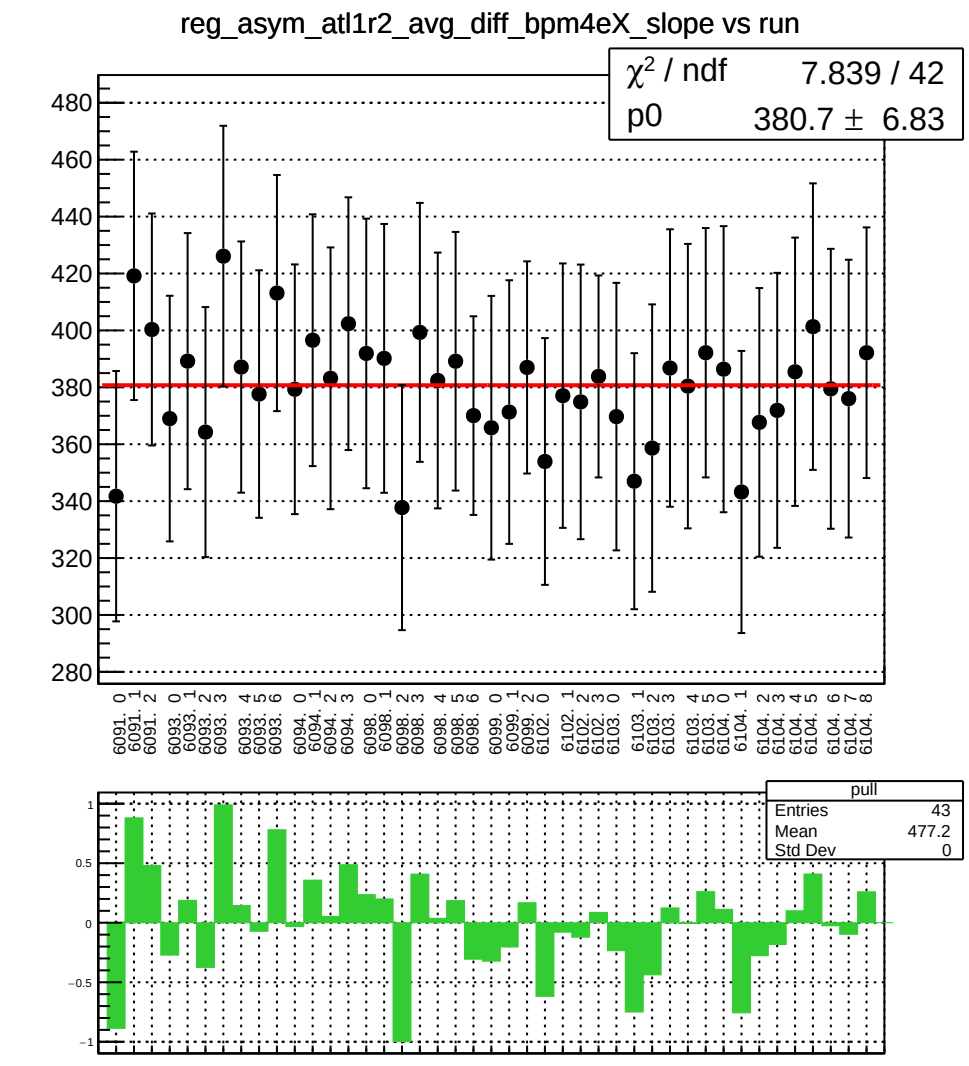

pull1D
Entries 43
Mean 0.003683
Std Dev 0.7144
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

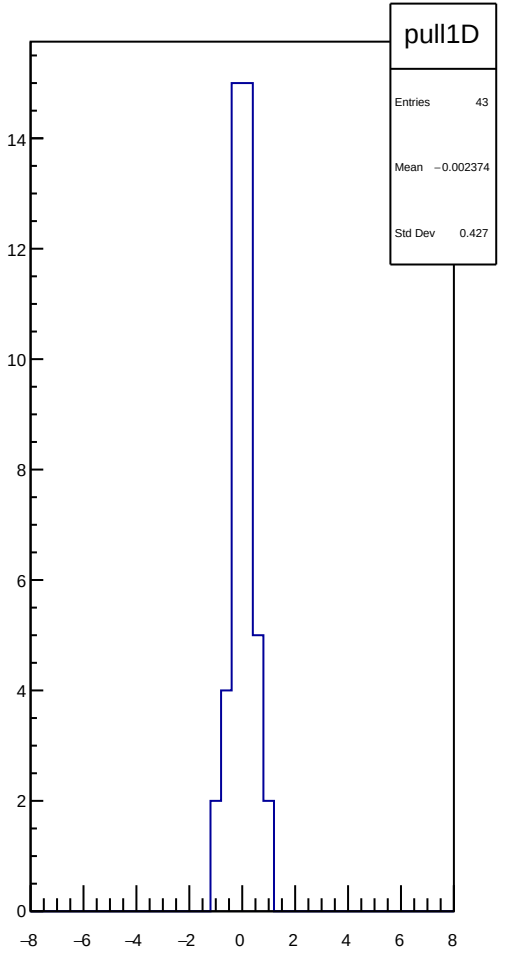

reg_asym_atl1r2_avg_diff_bpm1X_slope vs run
χ² / ndf 7.676 / 42
p0 −229.7 ± 5.59
pull
Entries 43
Mean 438.4
Std Dev 0

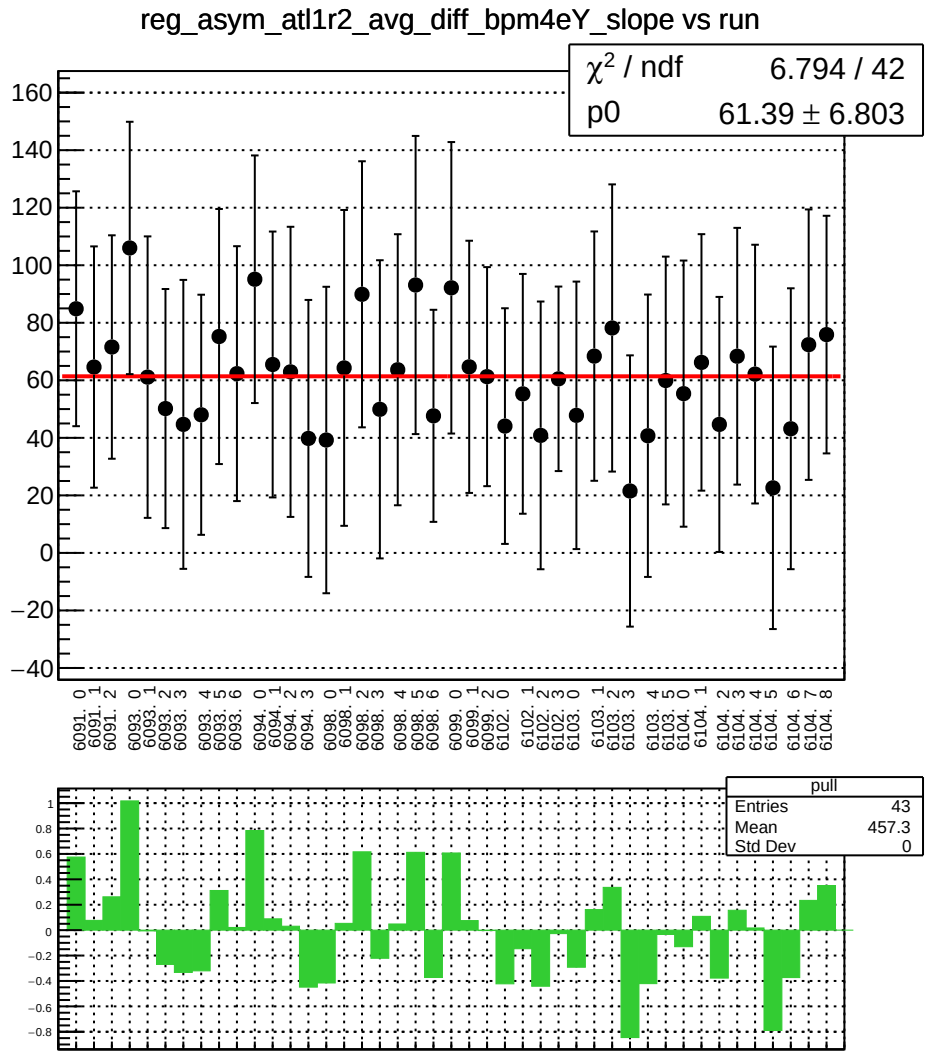

pull1D
Entries 43
Mean 0.002445
Std Dev 0.4225

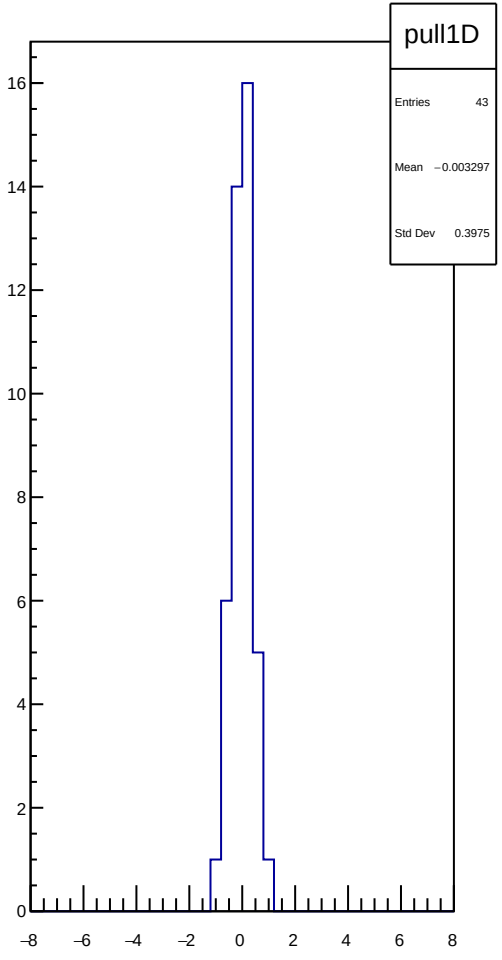

reg_asym_atl1r2_avg_diff_bpm4aY_slope vs run
χ² / ndf 6.832 / 42
p0 6.114 ± 6.433
pull
Entries 43
Mean 581.6
Std Dev 0

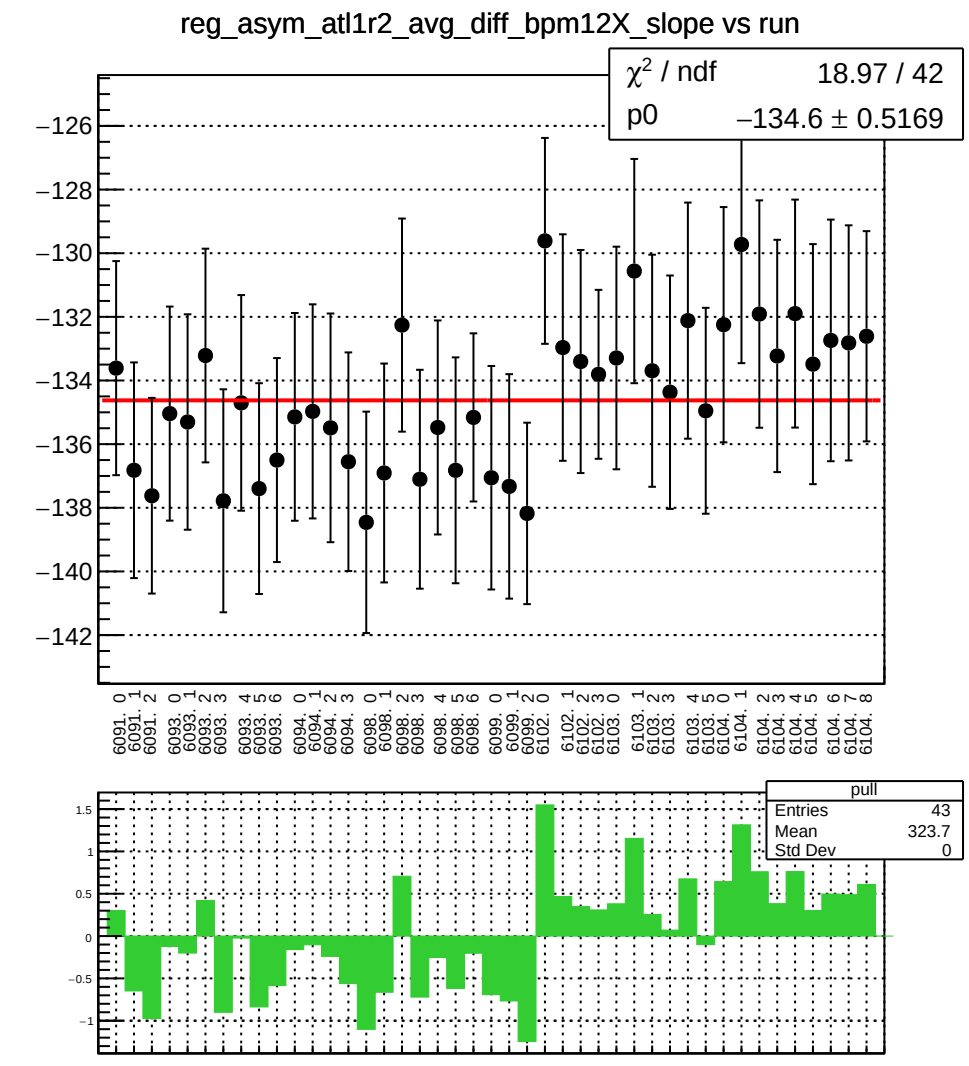

pull1D
Entries 43
Mean 0.002039
Std Dev 0.3986

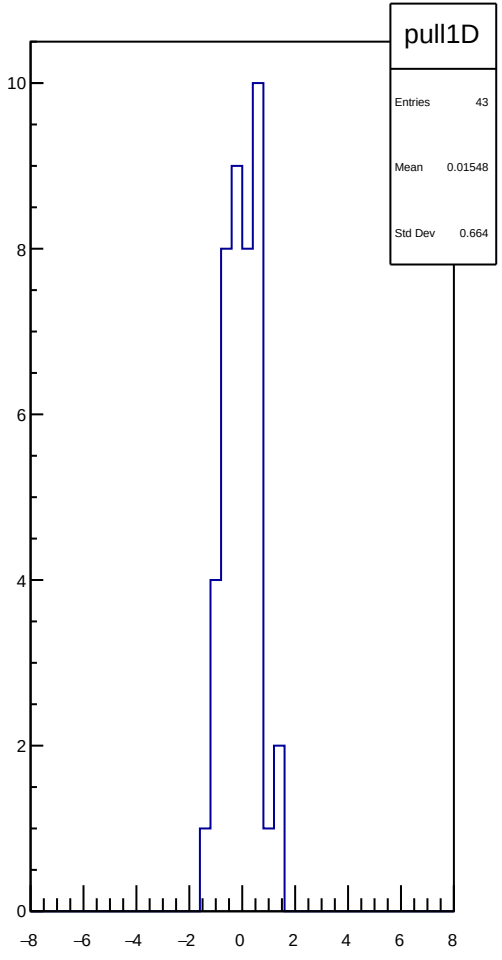

reg_asym_atl1r2_avg_diff_bpm4eX_slope vs run
χ² / ndf 7.839 / 42
p0 380.7 ± 6.83
480
460
440
420
400
380
360
340
320
300
280
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 477.2
Std Dev 0
1
0.5
0
−0.5
−1

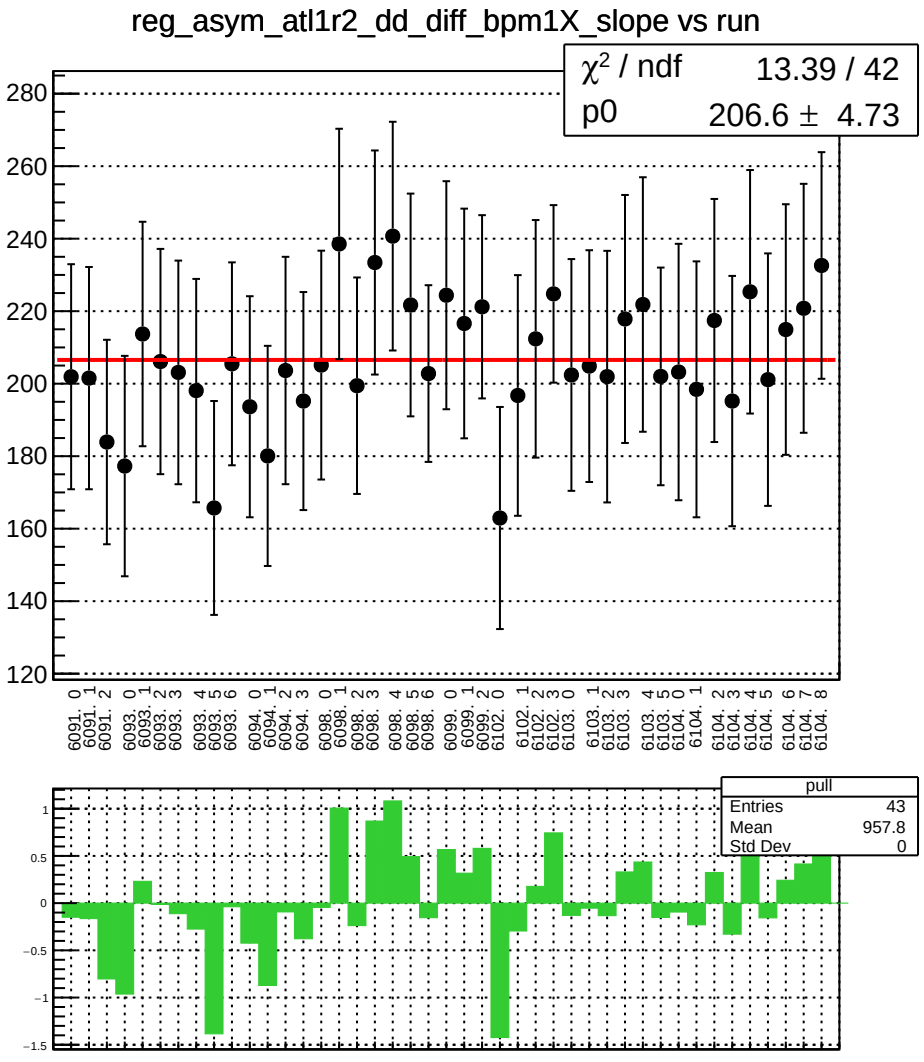

pull1D
Entries 43
Mean −0.002374
Std Dev 0.427
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

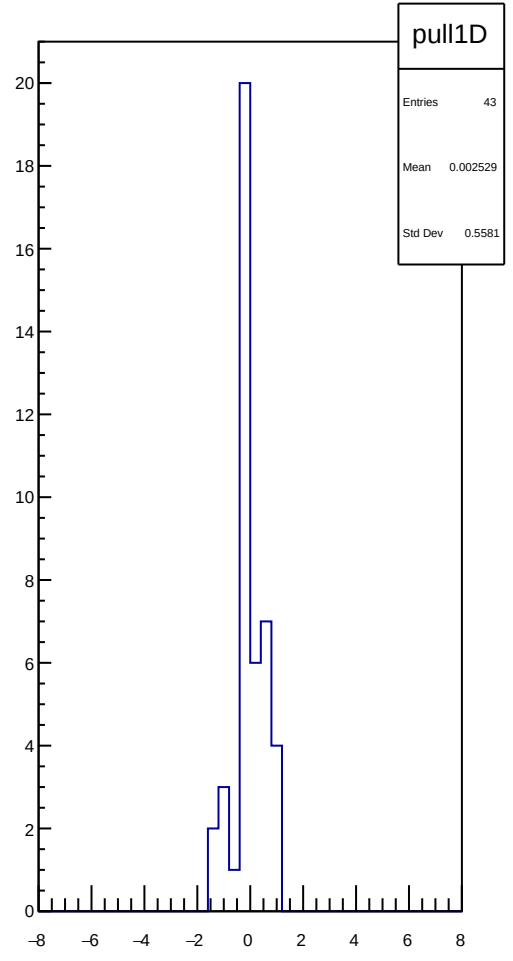

reg_asym_atl1r2_avg_diff_bpm4eY_slope vs run
χ² / ndf 6.794 / 42
p0 61.39 ± 6.803
160
140
120
100
80
60
40
20
0
−20
−40
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 457.3
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8

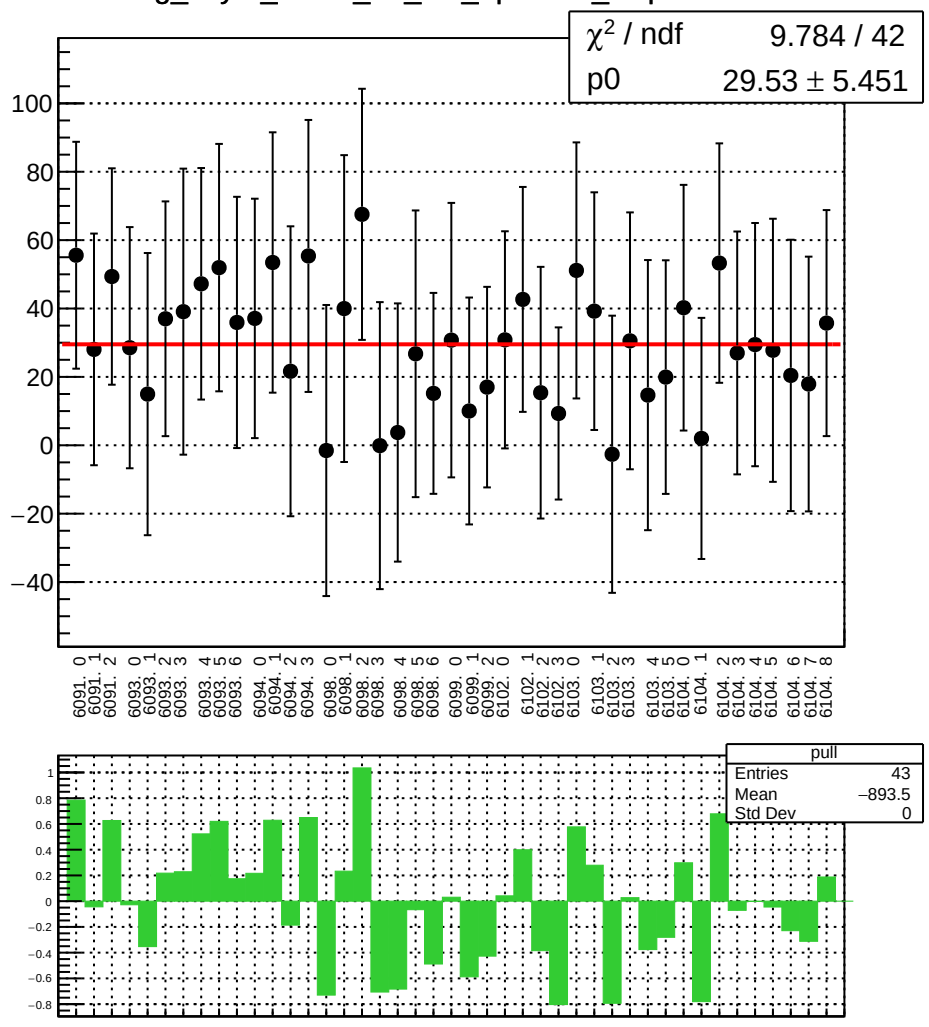

pull1D
Entries 43
Mean −0.003297
Std Dev 0.3975
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

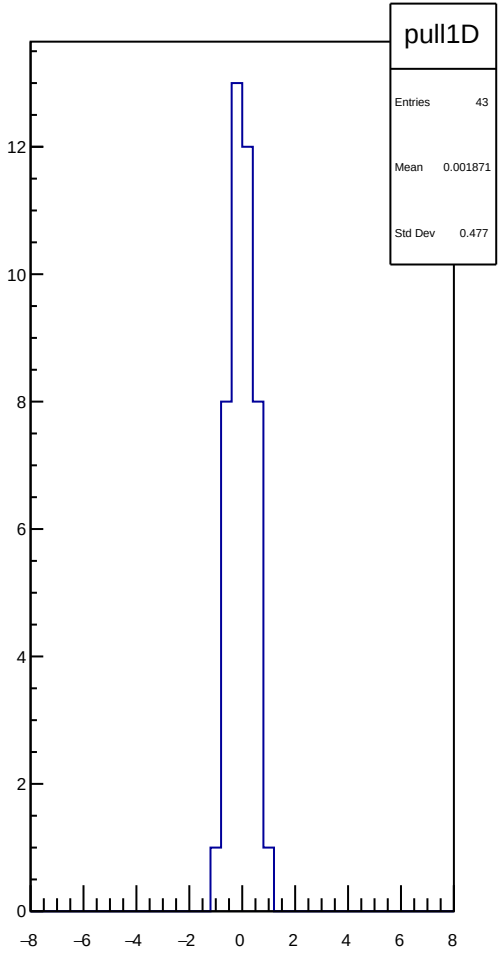

reg_asym_atl1r2_avg_diff_bpm12X_slope vs run
χ² / ndf 18.97 / 42
p0 −134.6 ± 0.5169
pull
Entries 43
Mean 323.7
Std Dev 0

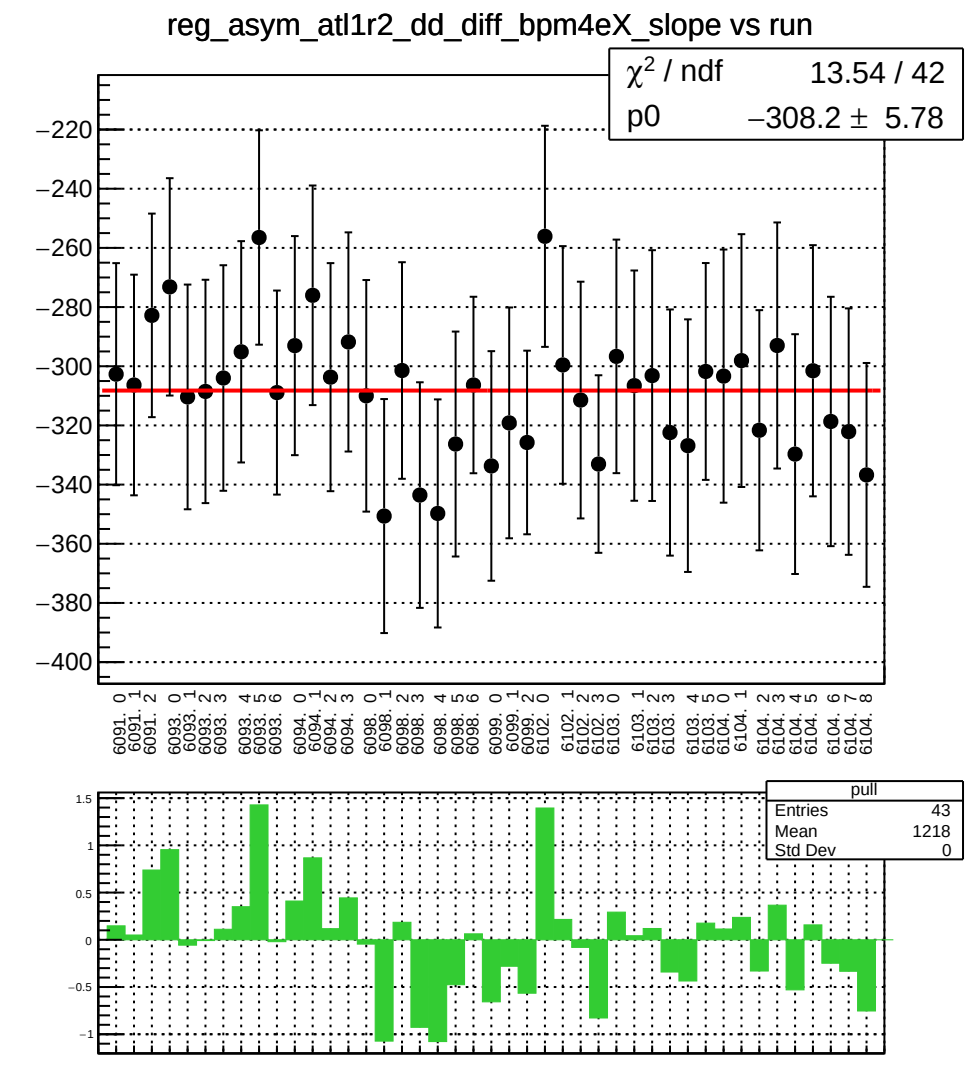

pull1D
Entries 43
Mean 0.01548
Std Dev 0.664

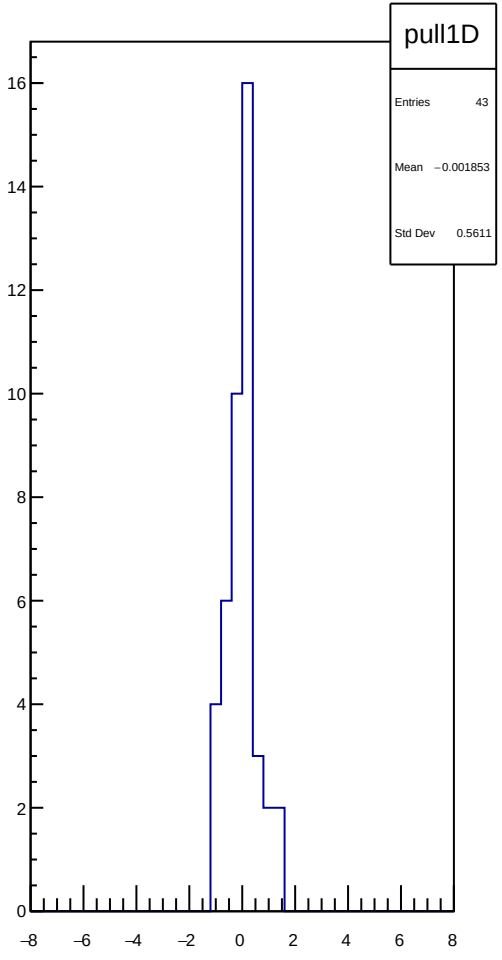

reg_asym_atl1r2_dd_diff_bpm1X_slope vs run
χ² / ndf 13.39 / 42
p0 206.6 ± 4.73
pull
Entries 43
Mean 957.8
Std Dev 0

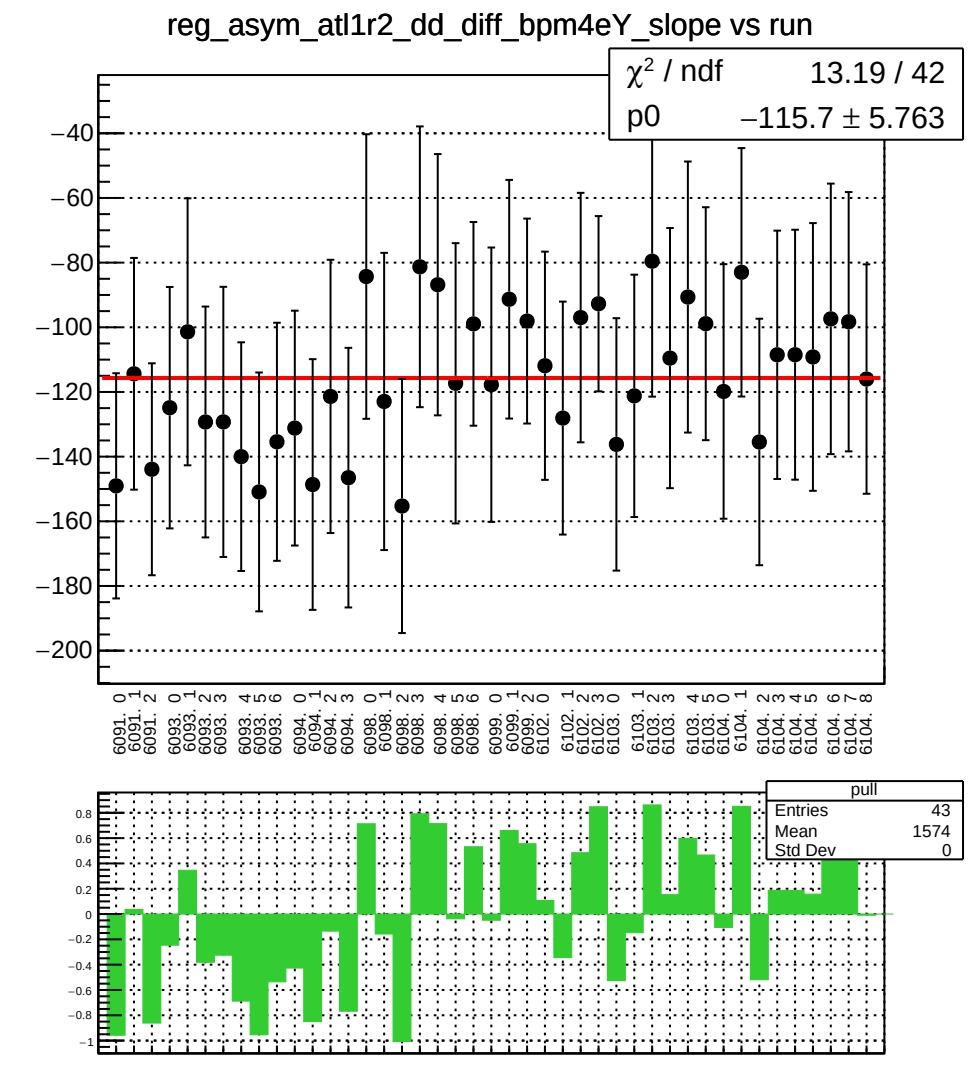

pull1D
Entries 43
Mean 0.002529
Std Dev 0.5581

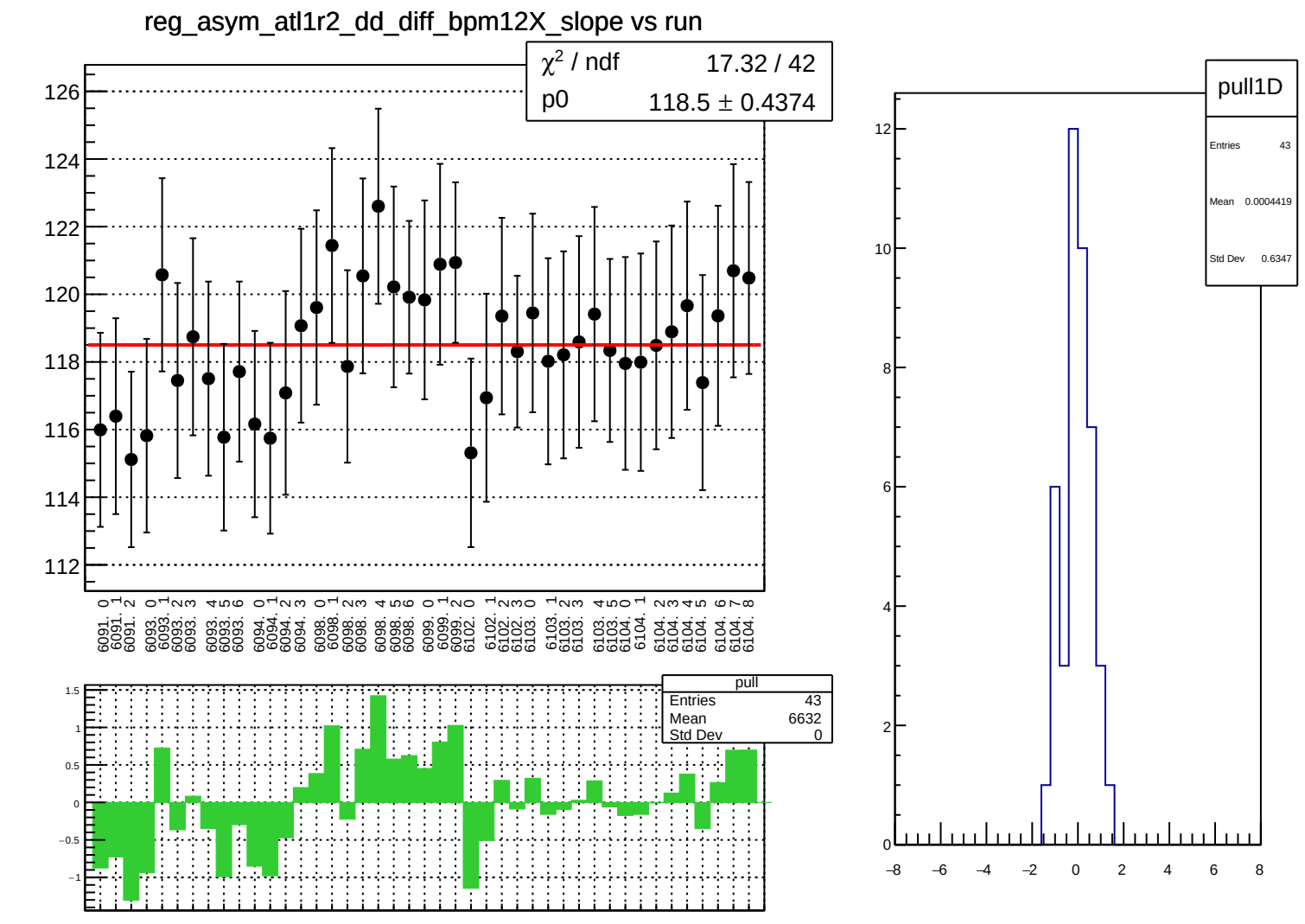

reg_asym_atl1r2_dd_diff_bpm4aY_slope vs run
χ² / ndf 9.784 / 42
p0 29.53 ± 5.451
pull
Entries 43
Mean −893.5
Std Dev 0

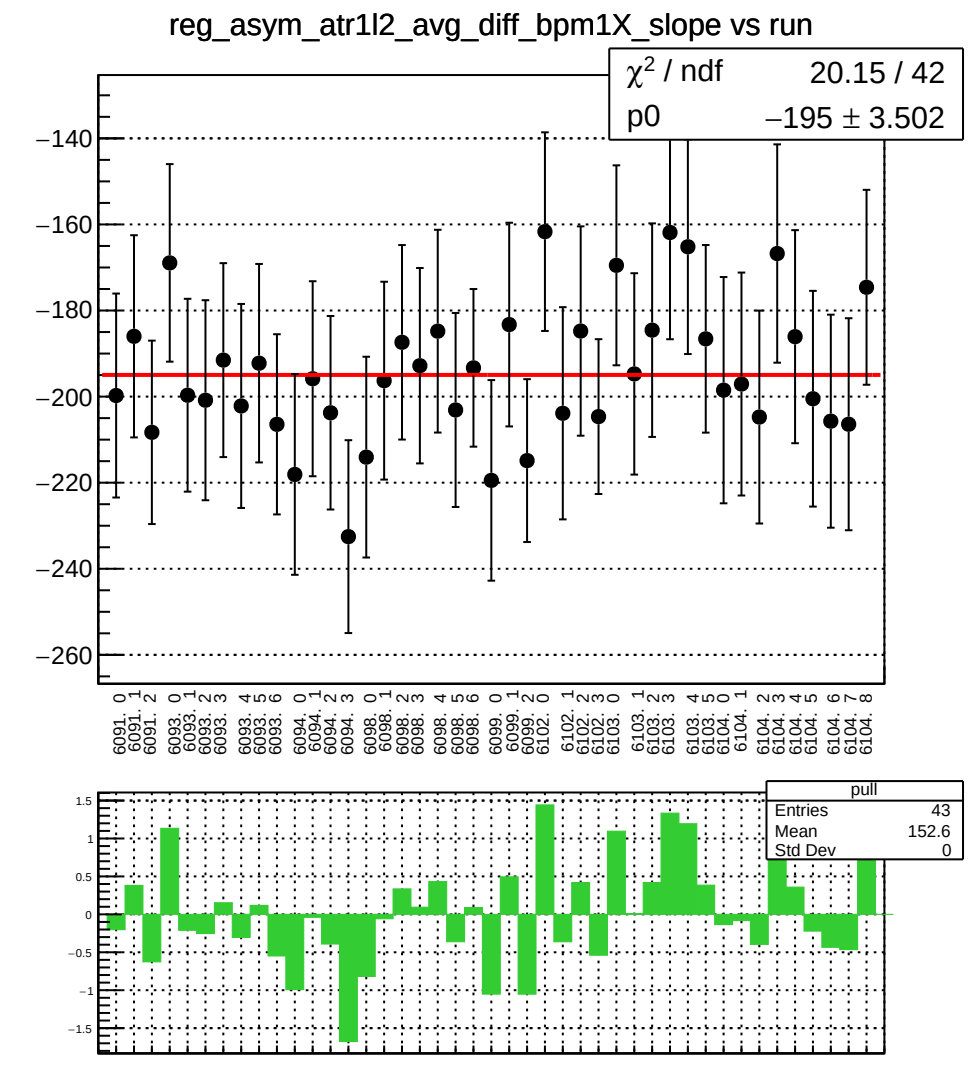

pull1D
Entries 43
Mean 0.001871
Std Dev 0.477

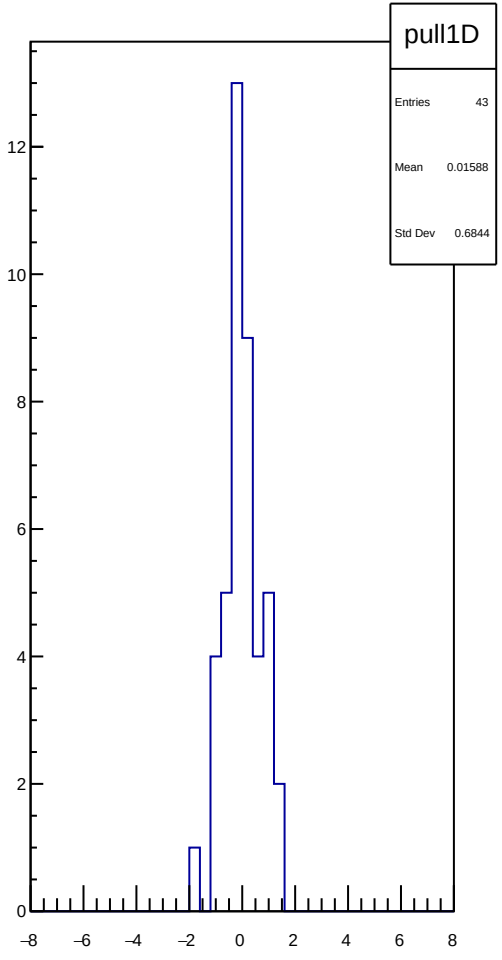

reg_asym_atl1r2_dd_diff_bpm4eX_slope vs run
χ² / ndf 13.54 / 42
p0 −308.2 ± 5.78
pull
Entries 43
Mean 1218
Std Dev 0

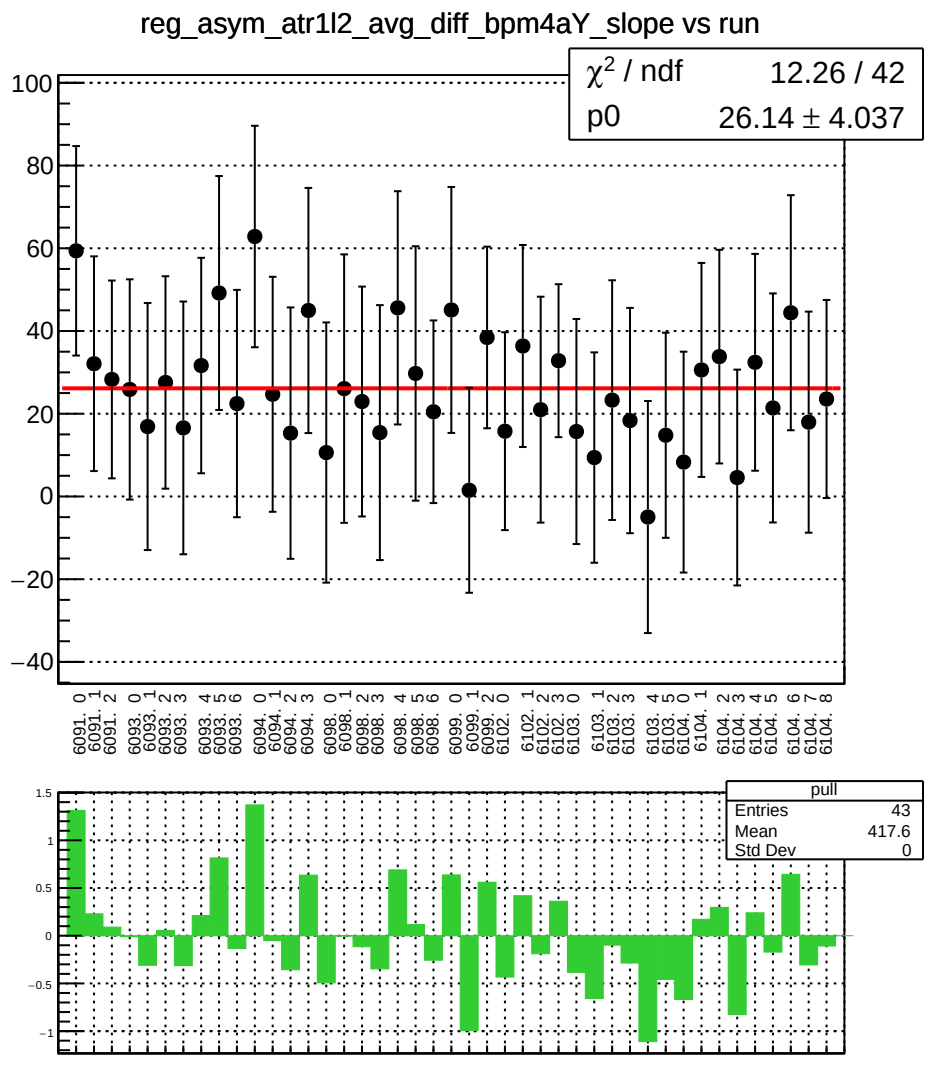

pull1D
Entries 43
Mean −0.001853
Std Dev 0.5611

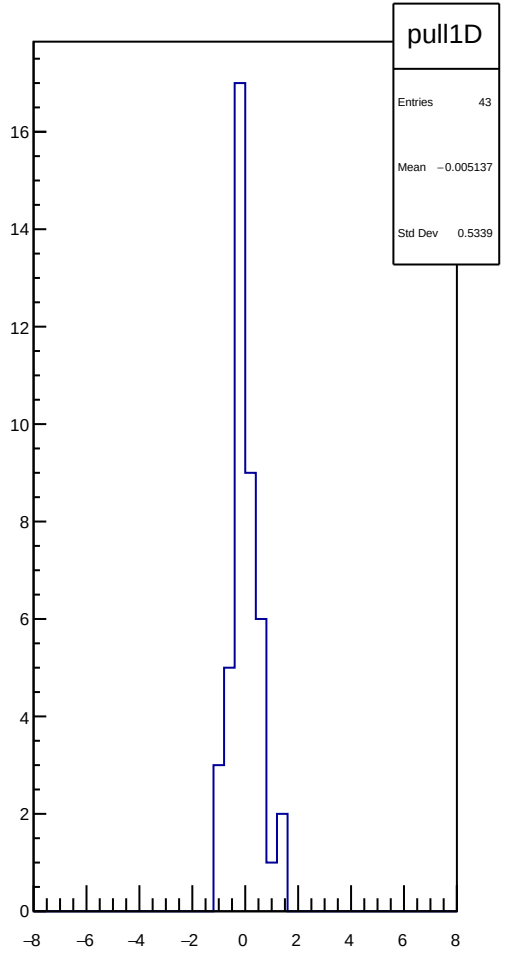

reg_asym_atl1r2_dd_diff_bpm4eY_slope vs run
χ² / ndf 13.19 / 42
p0 −115.7 ± 5.763
−40
−60
−80
−100
−120
−140
−160
−180
−200
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 1574
Std Dev 0
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
−1
pull1D
Entries 43
Mean 0.00214
Std Dev 0.5539
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

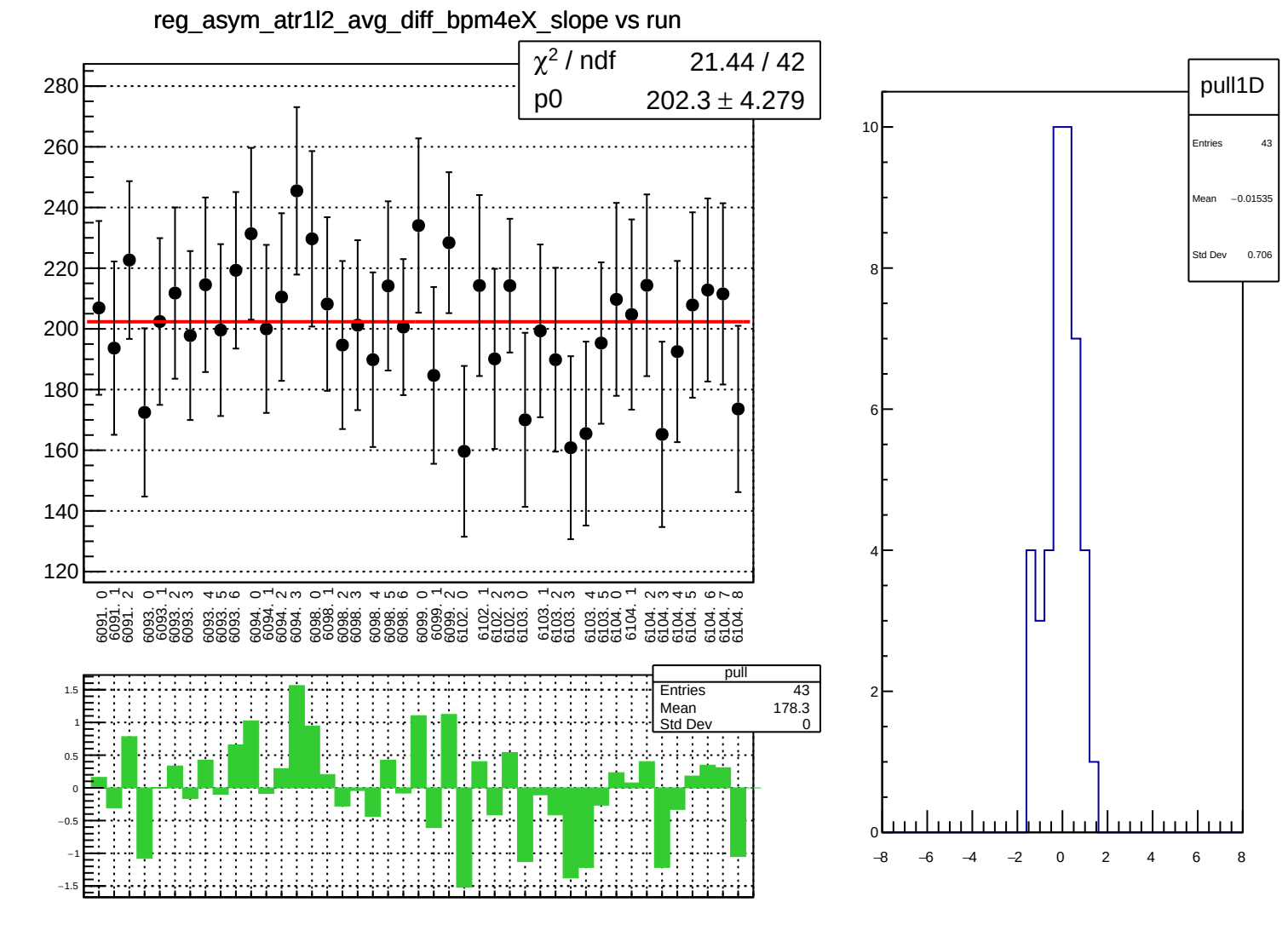

reg_asym_atl1r2_dd_diff_bpm12X_slope vs run
χ² / ndf 17.32 / 42
p0 118.5 ± 0.4374
126
124
122
120
118
116
114
112
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 6632
Std Dev 0
1.5
1
0.5
0
−0.5
−1
pull1D
Entries 43
Mean 0.0004419
Std Dev 0.6347
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

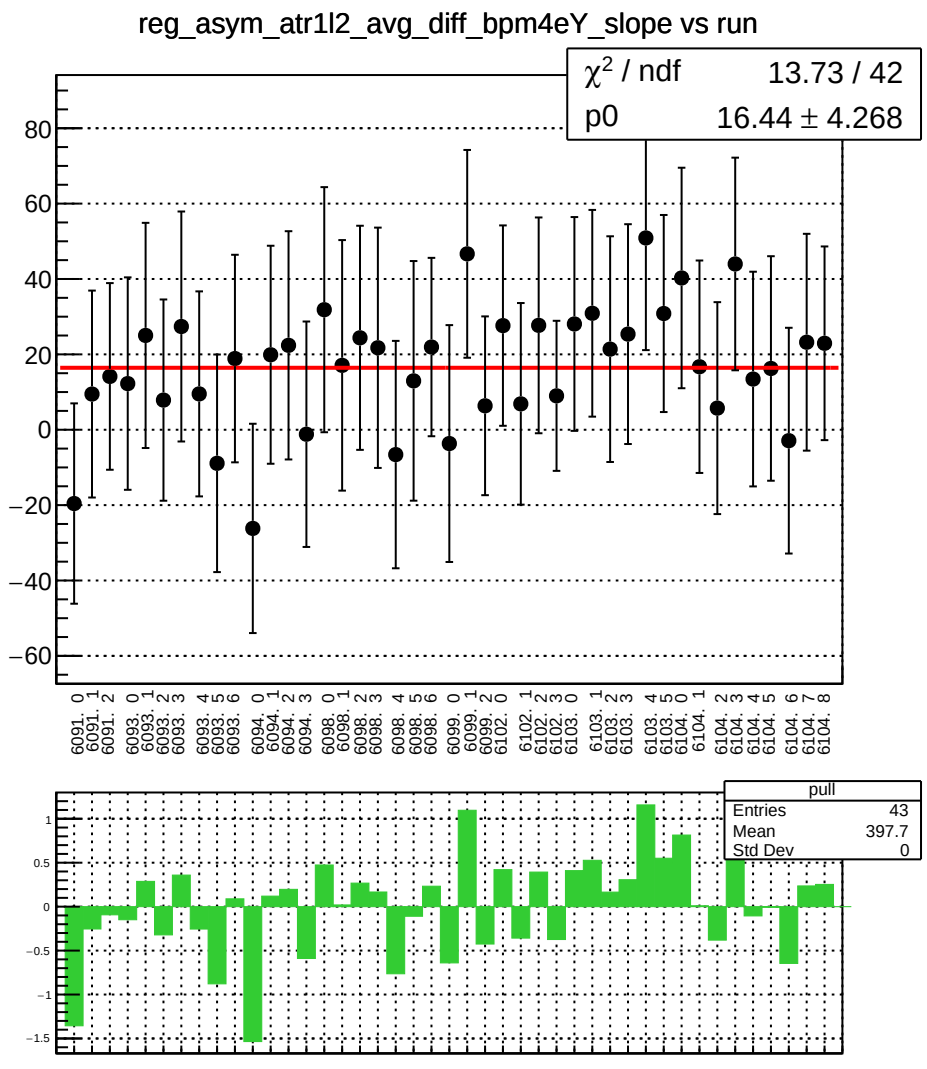

reg_asym_atr1l2_avg_diff_bpm1X_slope vs run
χ² / ndf 20.15 / 42
p0 −195 ± 3.502
−140
−160
−180
−200
−220
−240
−260
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 152.6
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5

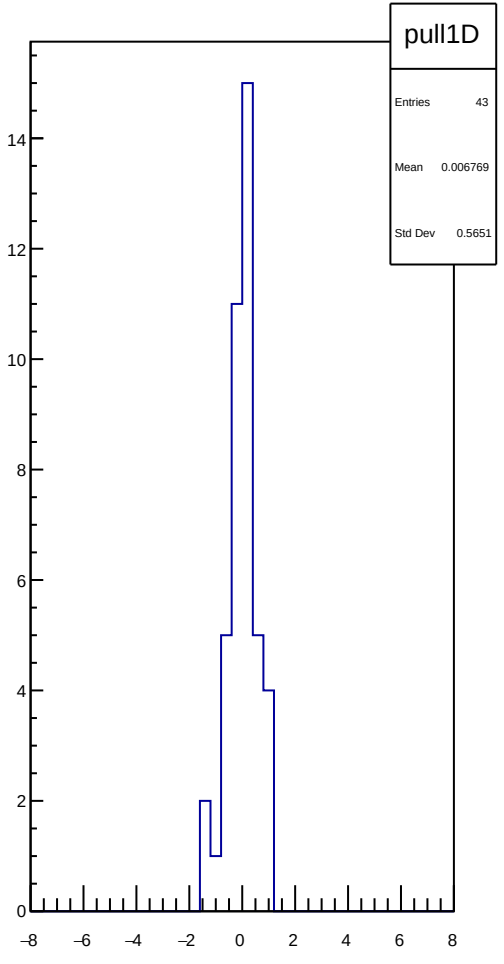

pull1D
Entries 43
Mean 0.01588
Std Dev 0.6844
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

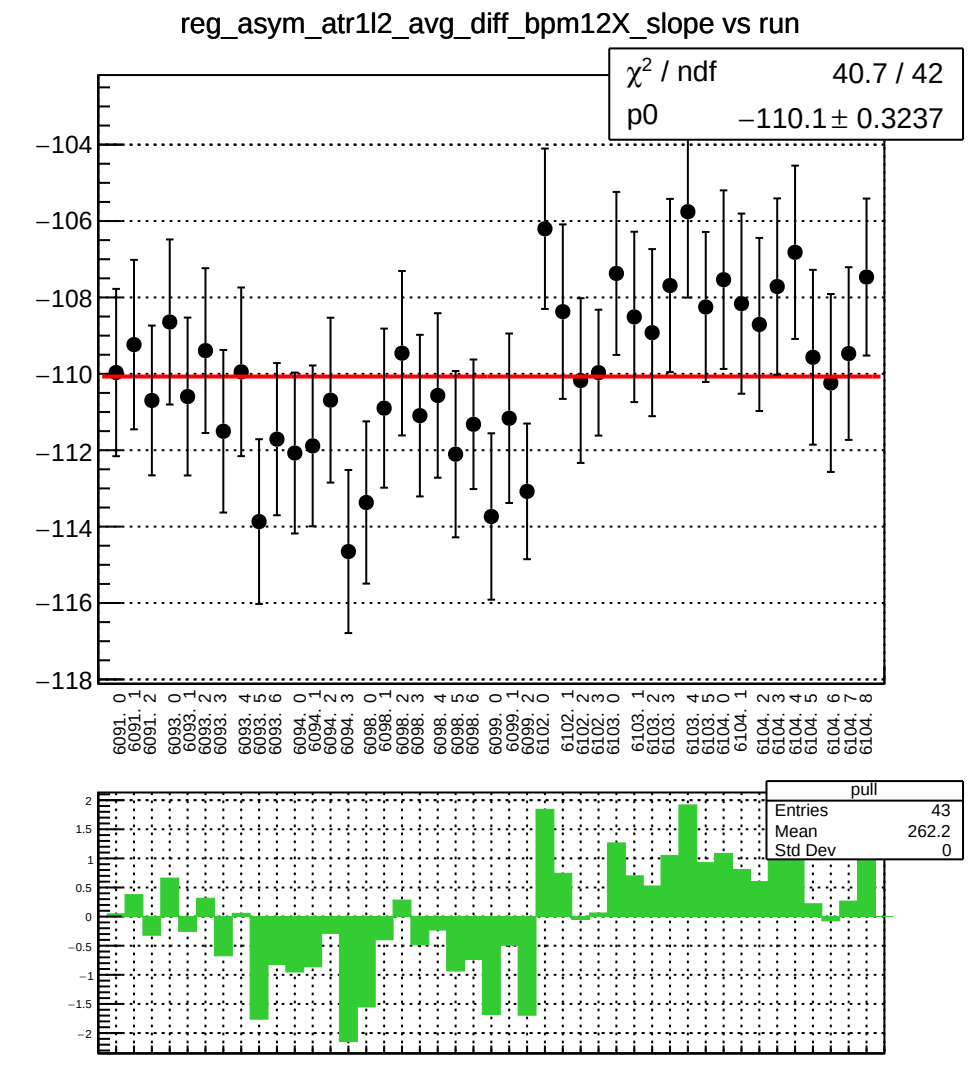

reg_asym_atr1l2_avg_diff_bpm4aY_slope vs run
χ² / ndf 12.26 / 42
p0 26.14 ± 4.037
pull
Entries 43
Mean 417.6
Std Dev 0

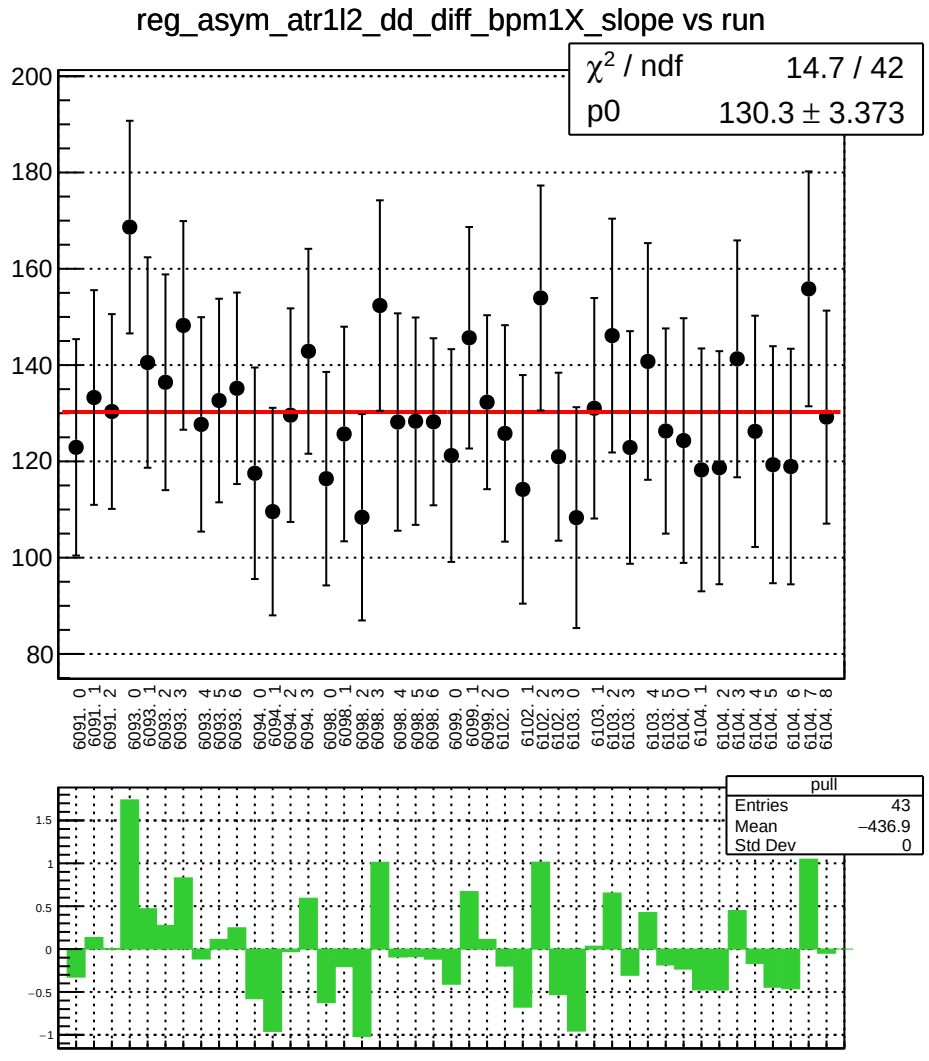

pull1D
Entries 43
Mean −0.005137
Std Dev 0.5339

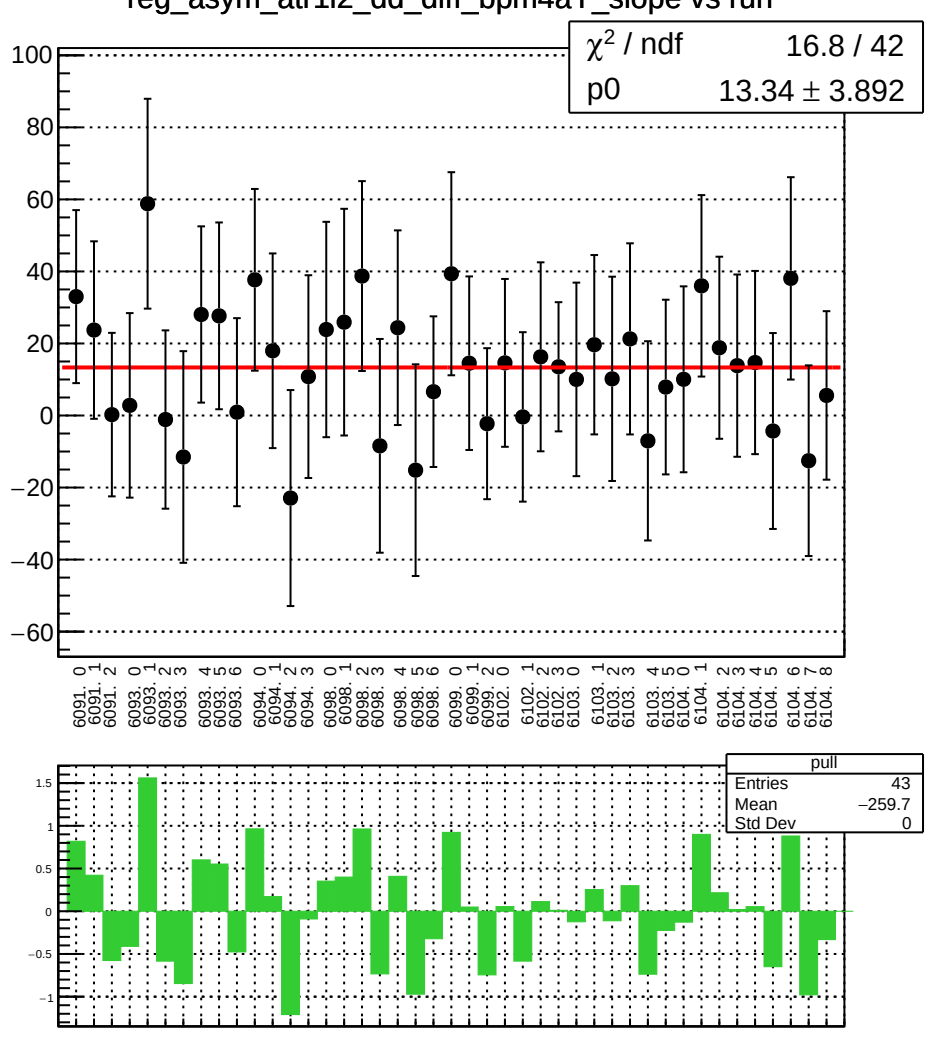

reg_asym_atr1l2_avg_diff_bpm4eX_slope vs run
χ² / ndf 21.44 / 42
p0 202.3 ± 4.279
pull
Entries 43
Mean 178.3
Std Dev 0
pull1D
Entries 43
Mean −0.01535
Std Dev 0.706

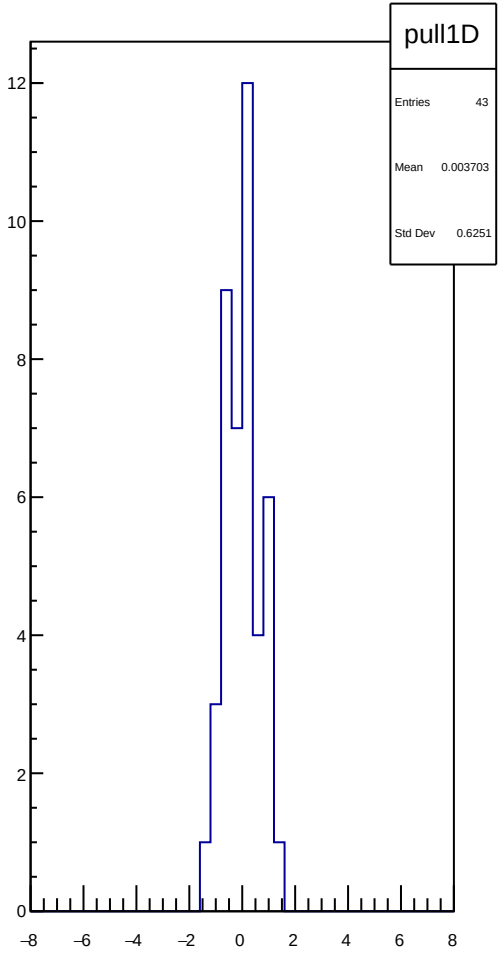

reg_asym_atr1l2_avg_diff_bpm4eY_slope vs run
χ² / ndf 13.73 / 42
p0 16.44 ± 4.268
pull
Entries 43
Mean 397.7
Std Dev 0

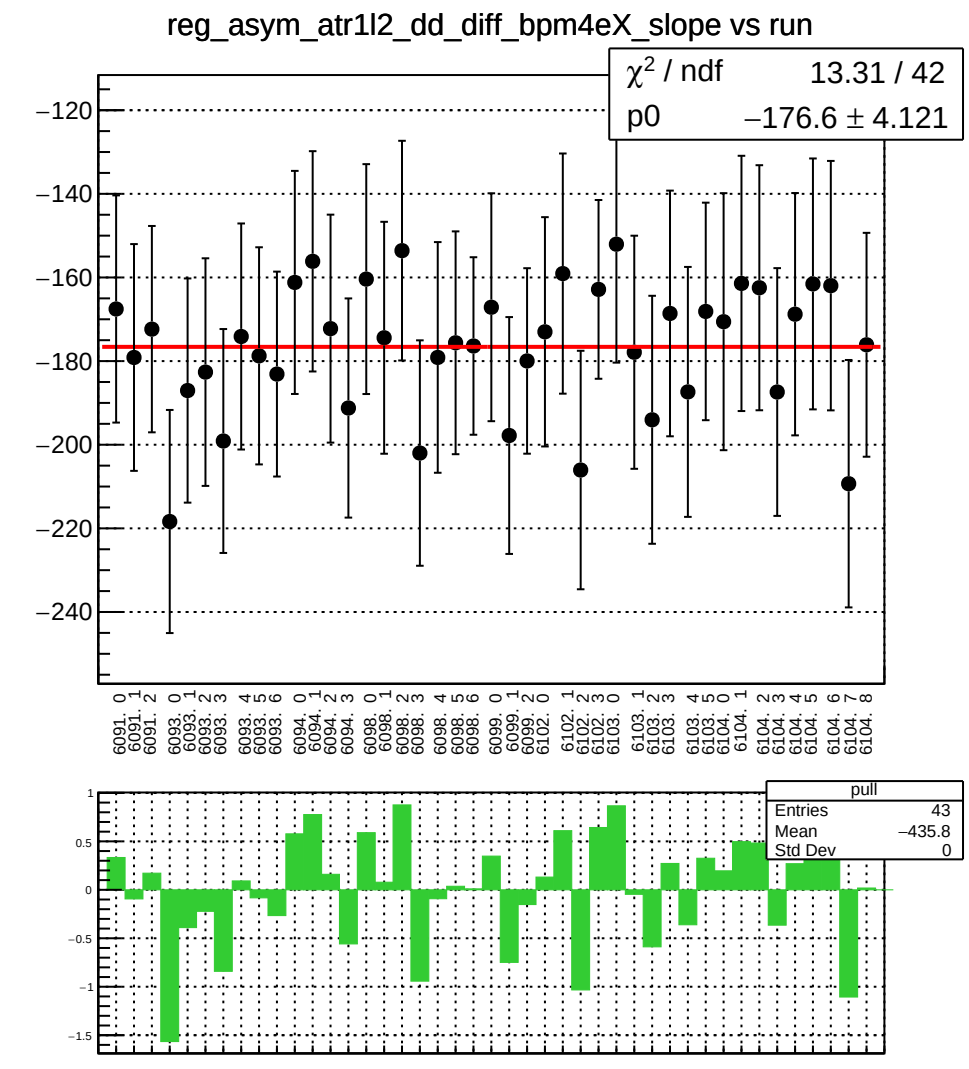

pull1D
Entries 43
Mean 0.006769
Std Dev 0.5651

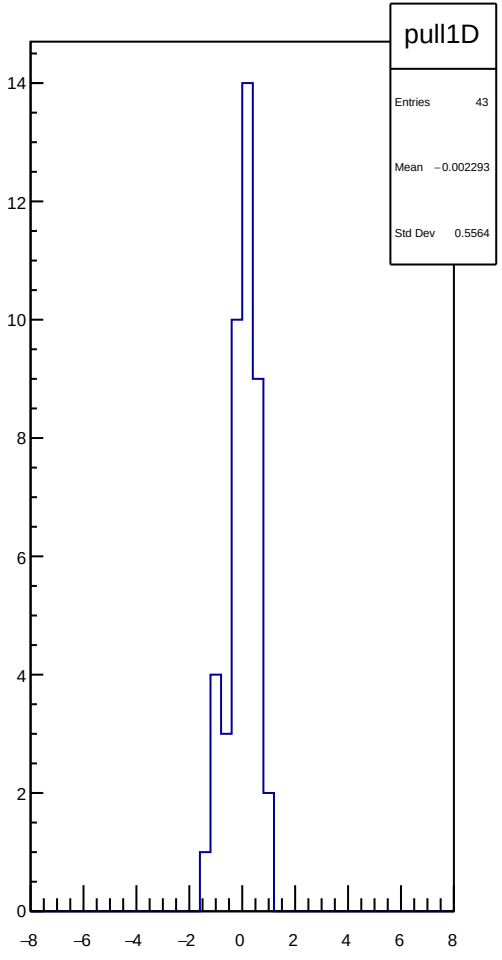

reg_asym_atr1l2_avg_diff_bpm12X_slope vs run
χ² / ndf 40.7 / 42
p0 −110.1 ± 0.3237
−104
−106
−108
−110
−112
−114
−116
−118
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 262.2
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 43
Mean 0.02505
Std Dev 0.9725
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

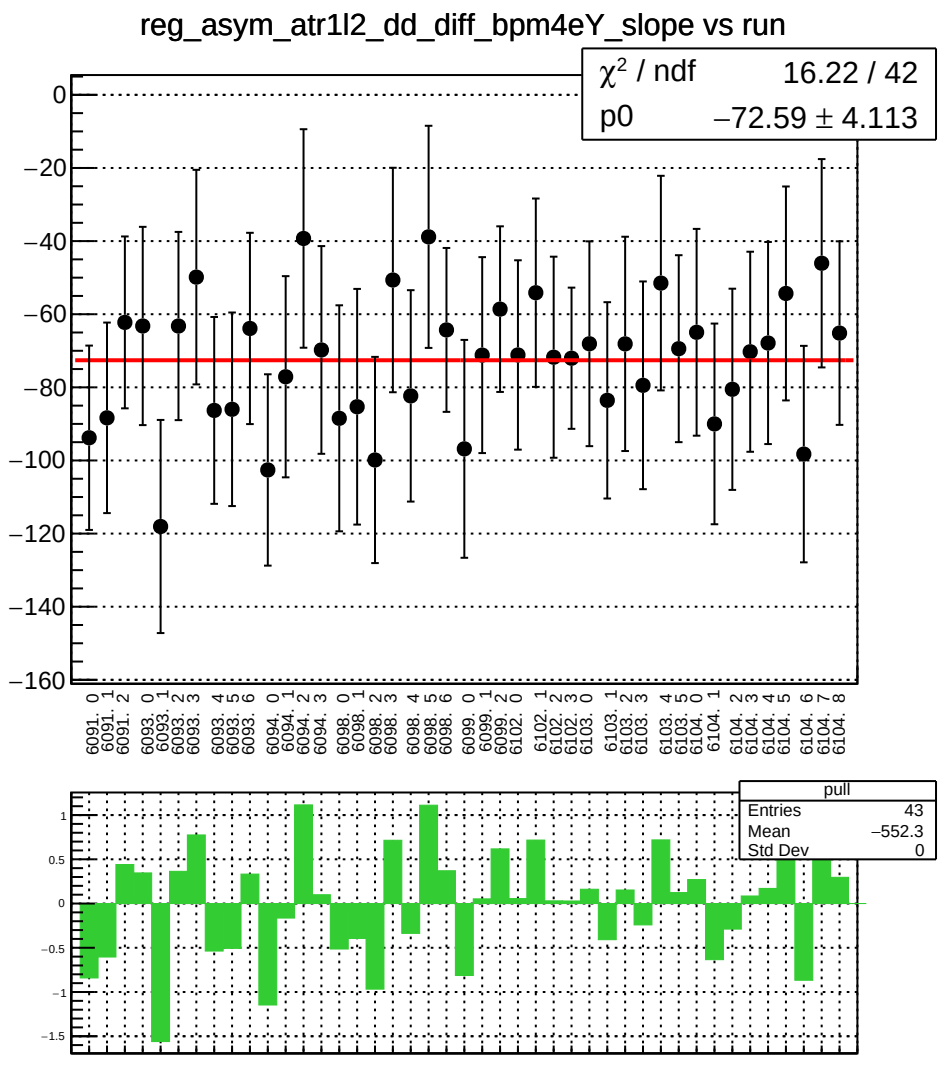

reg_asym_atr1l2_dd_diff_bpm1X_slope vs run
χ² / ndf 14.7 / 42
p0 130.3 ± 3.373
200
180
160
140
120
100
80
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean −436.9
Std Dev 0
1.5
1
0.5
0
−0.5
−1
pull1D
Entries 43
Mean 0.002396
Std Dev 0.5847
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

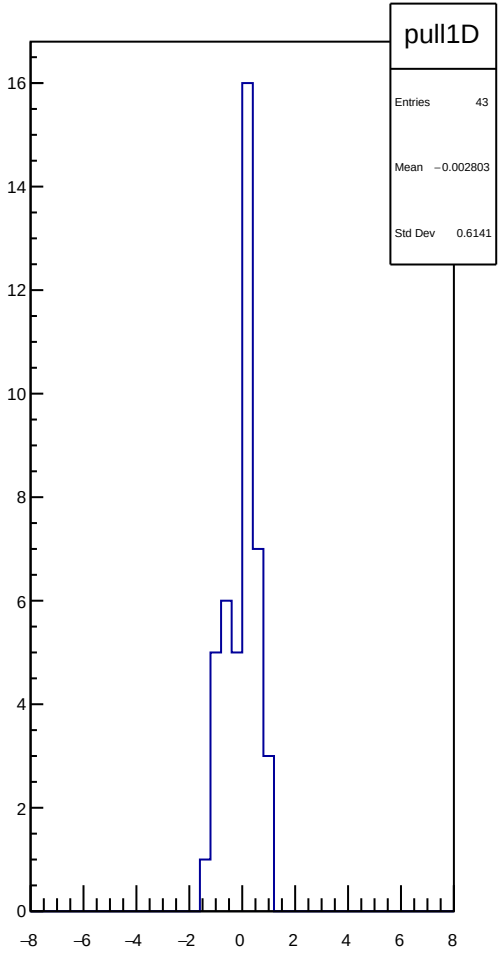

reg_asym_atr1l2_dd_diff_bpm4aY_slope vs run
χ² / ndf 16.8 / 42
p0 13.34 ± 3.892
pull
Entries 43
Mean −259.7
Std Dev 0

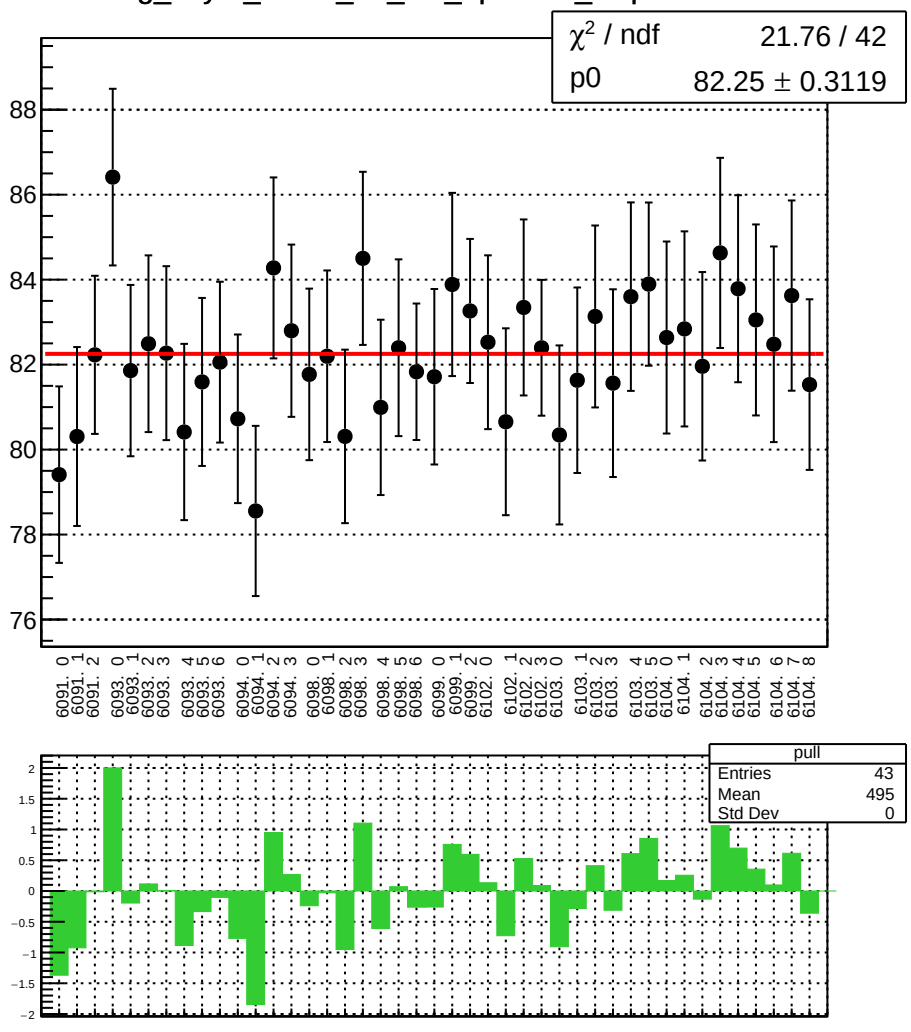

pull1D
Entries 43
Mean 0.003703
Std Dev 0.6251

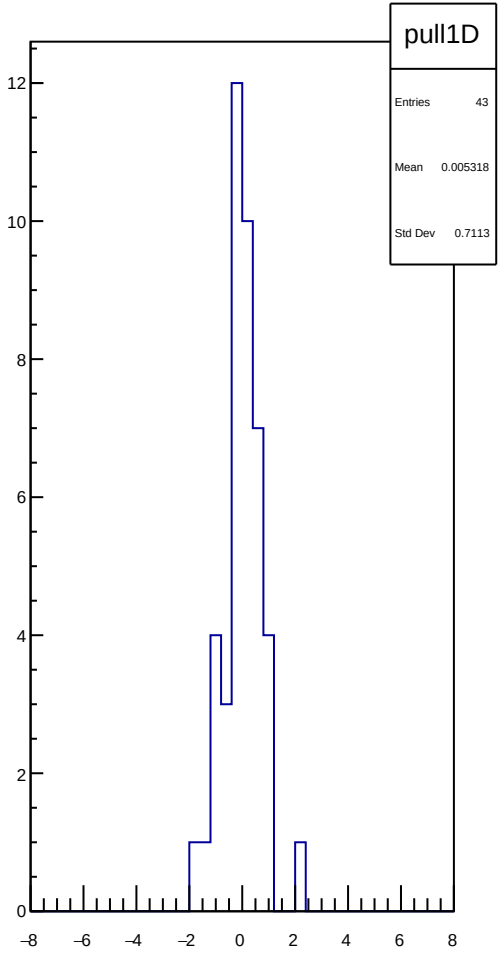

reg_asym_atr1l2_dd_diff_bpm4eX_slope vs run
χ² / ndf 13.31 / 42
p0 −176.6 ± 4.121
−120
−140
−160
−180
−200
−220
−240
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean −435.8
Std Dev 0
1
0.5
0
−0.5
−1
−1.5

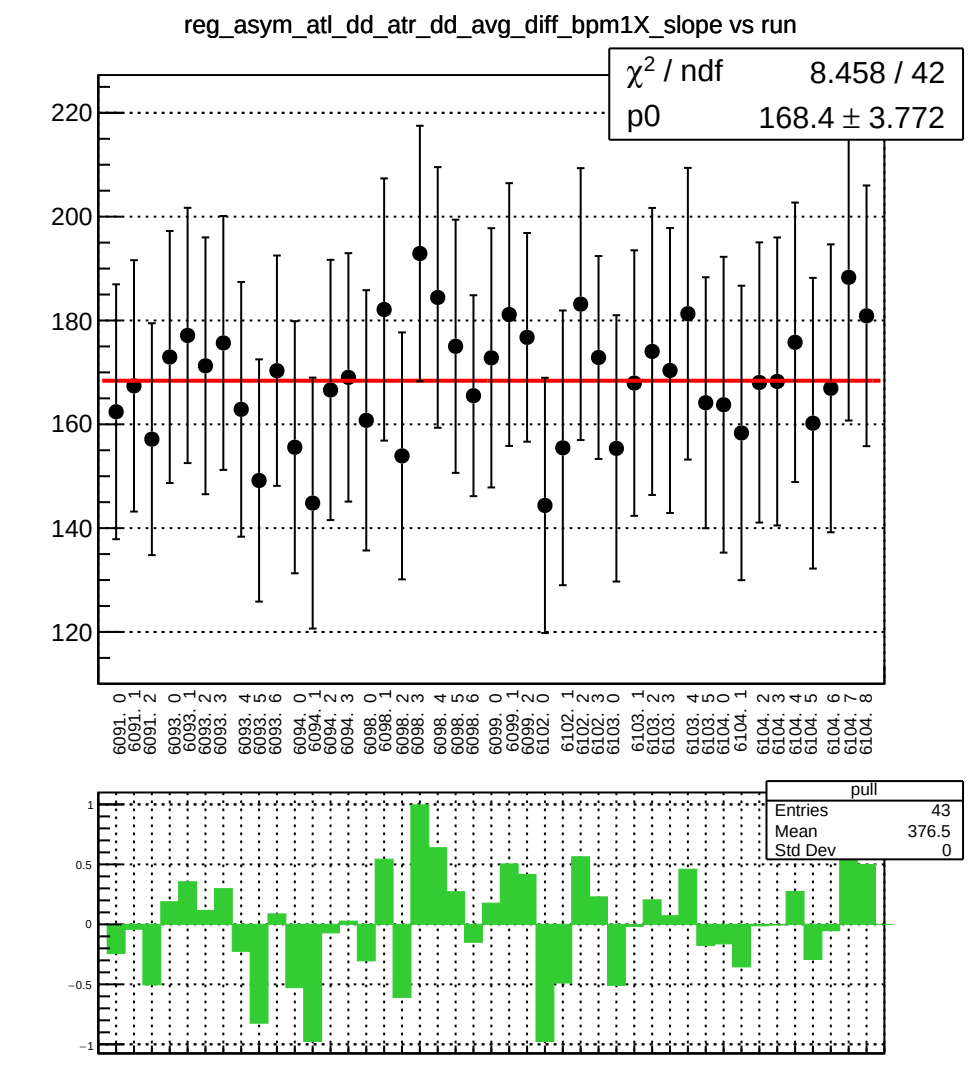

pull1D
Entries 43
Mean −0.002293
Std Dev 0.5564
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

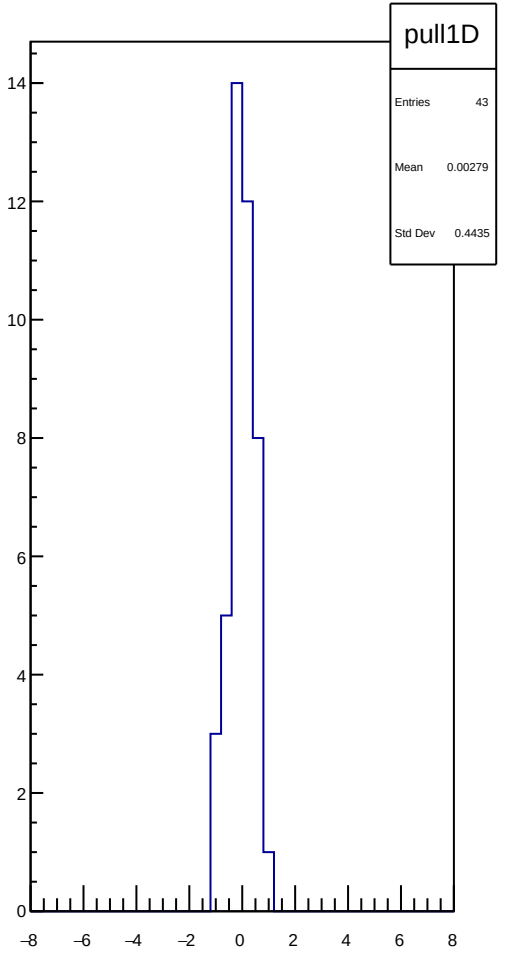

reg_asym_atr1l2_dd_diff_bpm4eY_slope vs run
χ² / ndf 16.22 / 42
p0 −72.59 ± 4.113
0
−20
−40
−60
−80
−100
−120
−140
−160
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean −552.3
Std Dev 0
1
0.5
0
−0.5
−1
−1.5

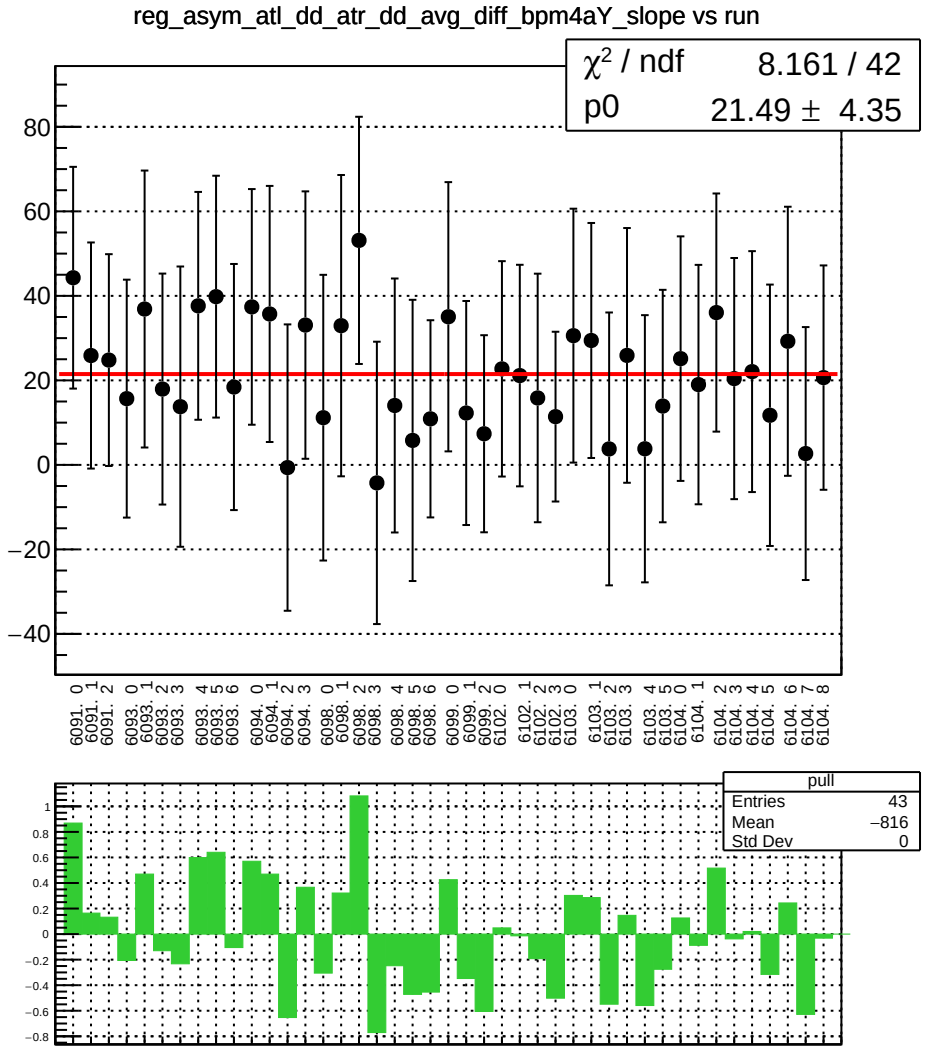

pull1D
Entries 43
Mean −0.002803
Std Dev 0.6141
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

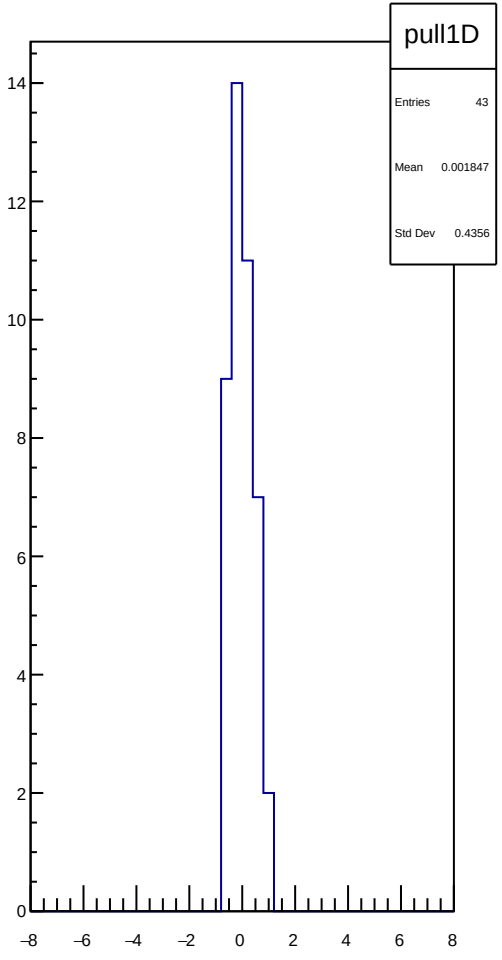

reg_asym_atr1l2_dd_diff_bpm12X_slope vs run
χ² / ndf 21.76 / 42
p0 82.25 ± 0.3119
pull
Entries 43
Mean 495
Std Dev 0

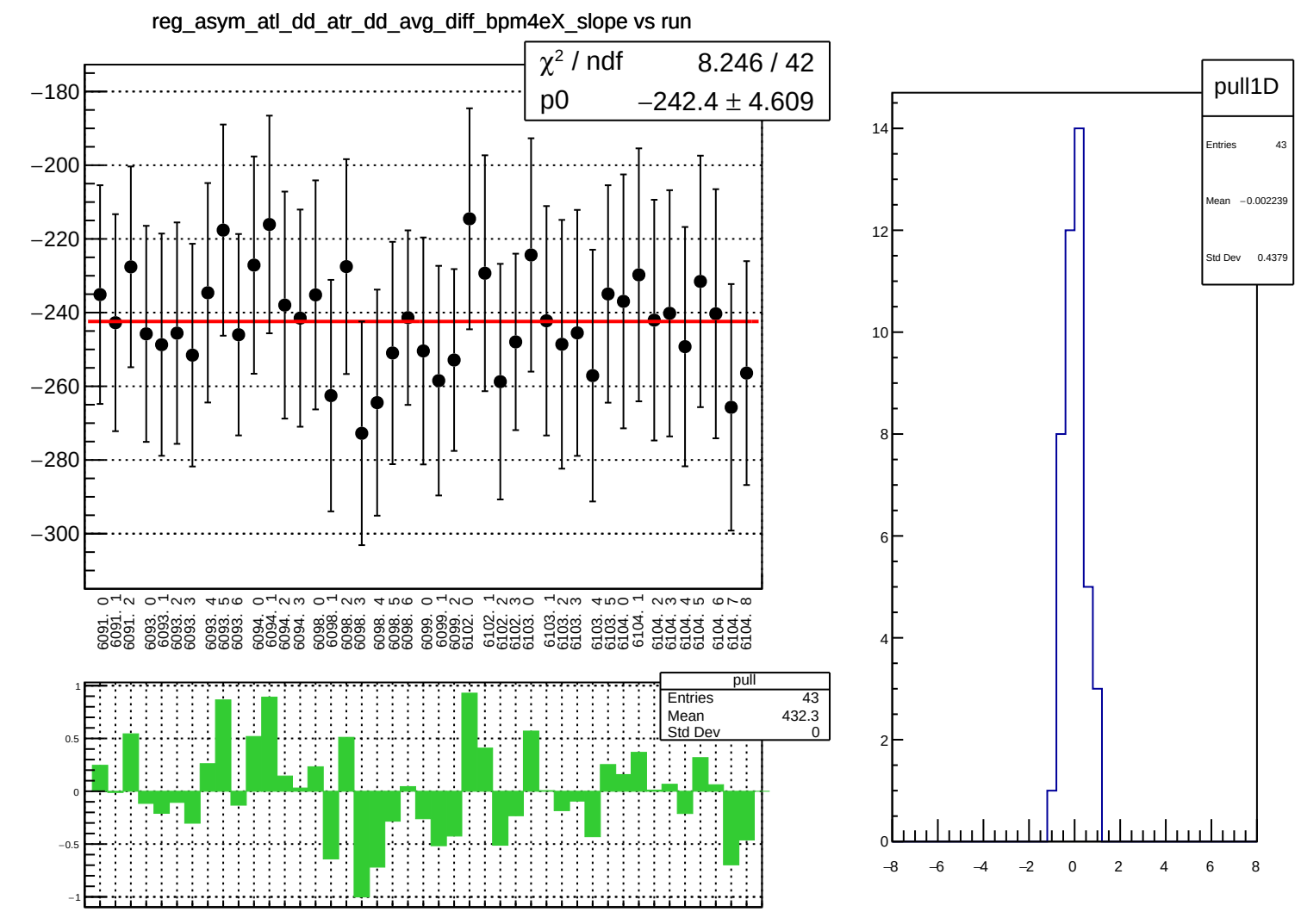

pull1D
Entries 43
Mean 0.005318
Std Dev 0.7113

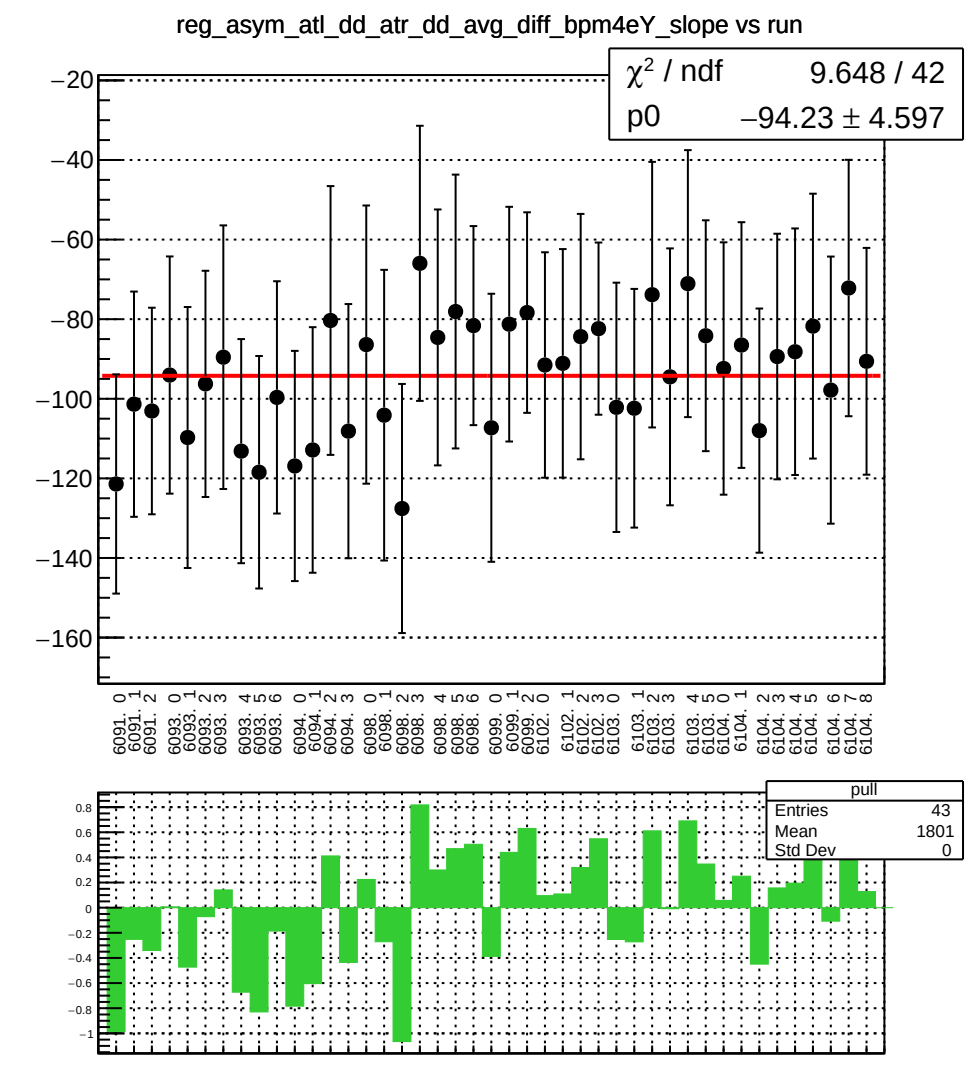

reg_asym_atl_dd_atr_dd_avg_diff_bpm1X_slope vs run
χ² / ndf 8.458 / 42
p0 168.4 ± 3.772
220
200
180
160
140
120
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 376.5
Std Dev 0
1
0.5
0
−0.5
−1

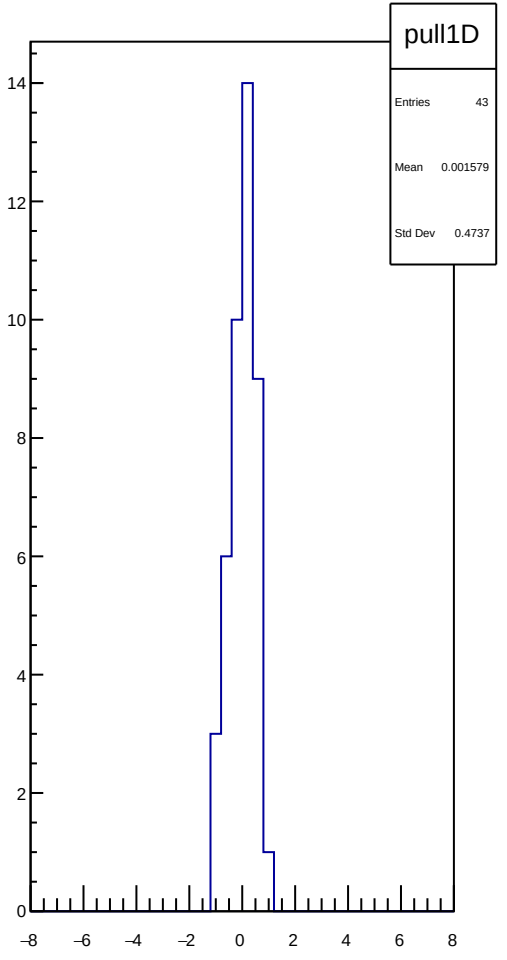

pull1D
Entries 43
Mean 0.00279
Std Dev 0.4435
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

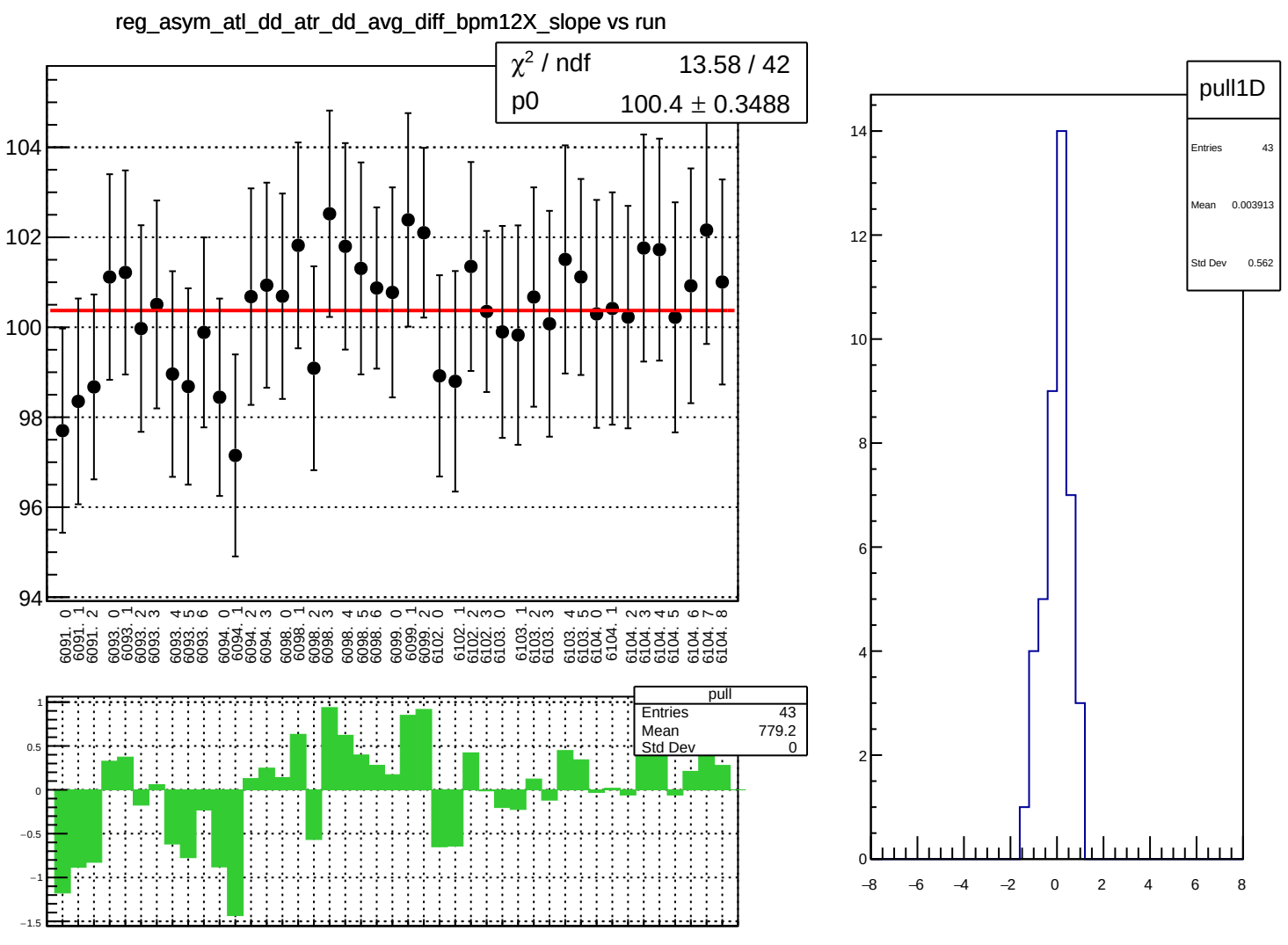

reg_asym_atl_dd_atr_dd_avg_diff_bpm4aY_slope vs run
χ² / ndf 8.161 / 42
p0 21.49 ± 4.35
pull
Entries 43
Mean −816
Std Dev 0

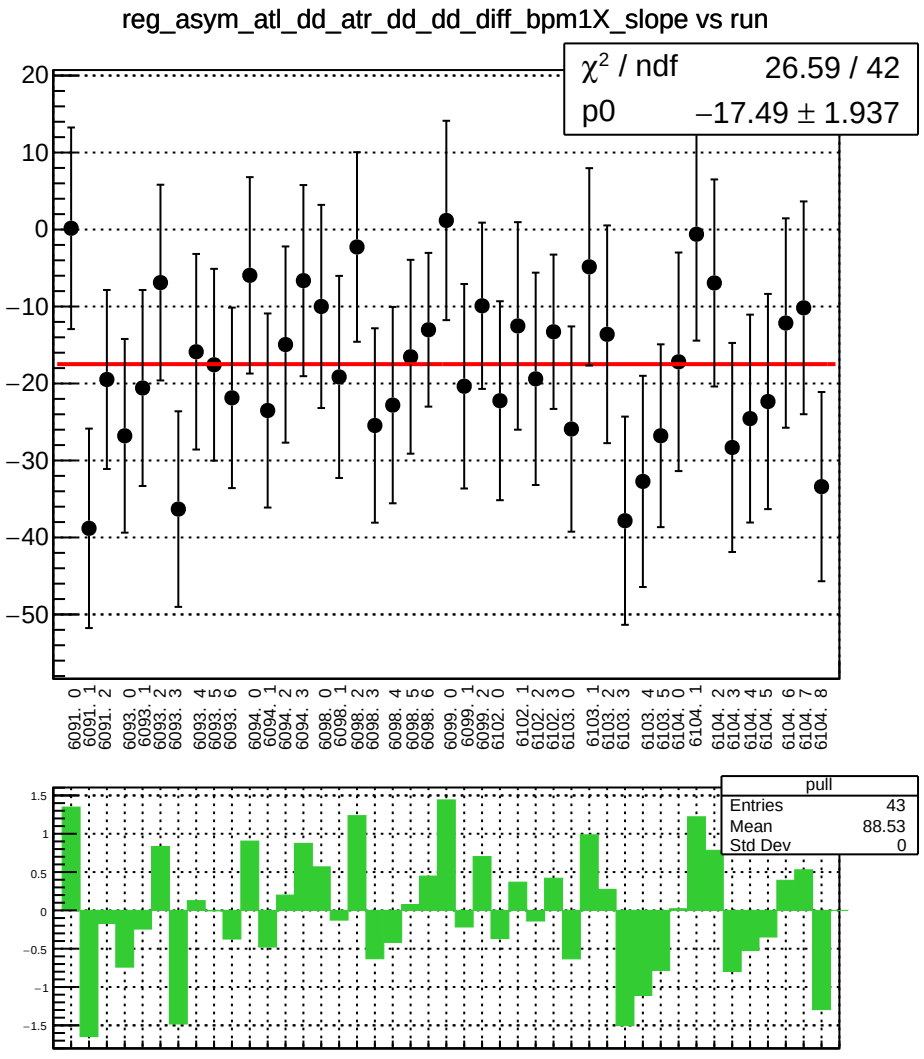

pull1D
Entries 43
Mean 0.001847
Std Dev 0.4356

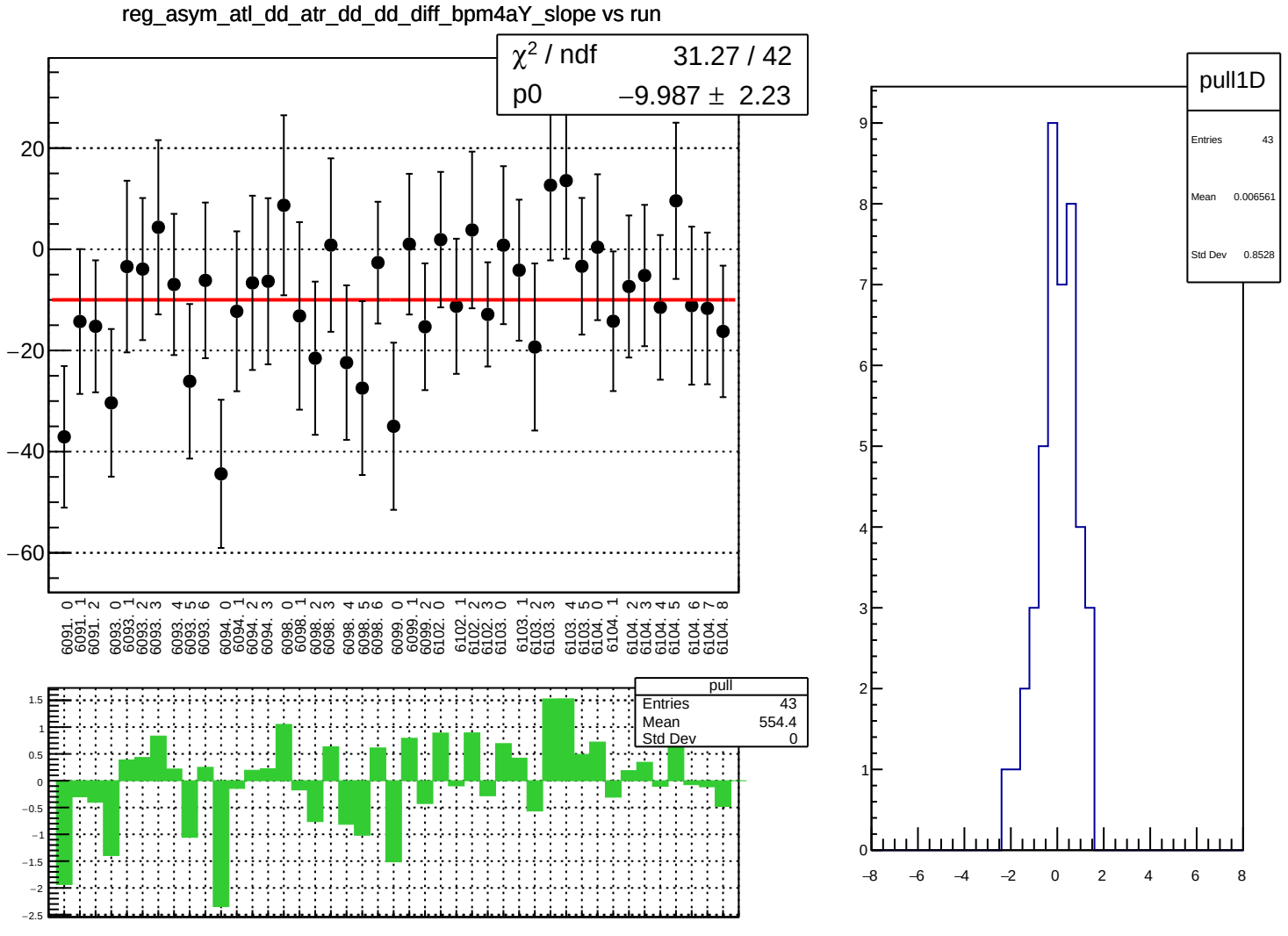

reg_asym_atl_dd_atr_dd_avg_diff_bpm4eX_slope vs run
χ² / ndf 8.246 / 42
p0 −242.4 ± 4.609
−180
−200
−220
−240
−260
−280
−300
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 432.3
Std Dev 0
1
0.5
0
−0.5
−1
pull1D
Entries 43
Mean −0.002239
Std Dev 0.4379
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

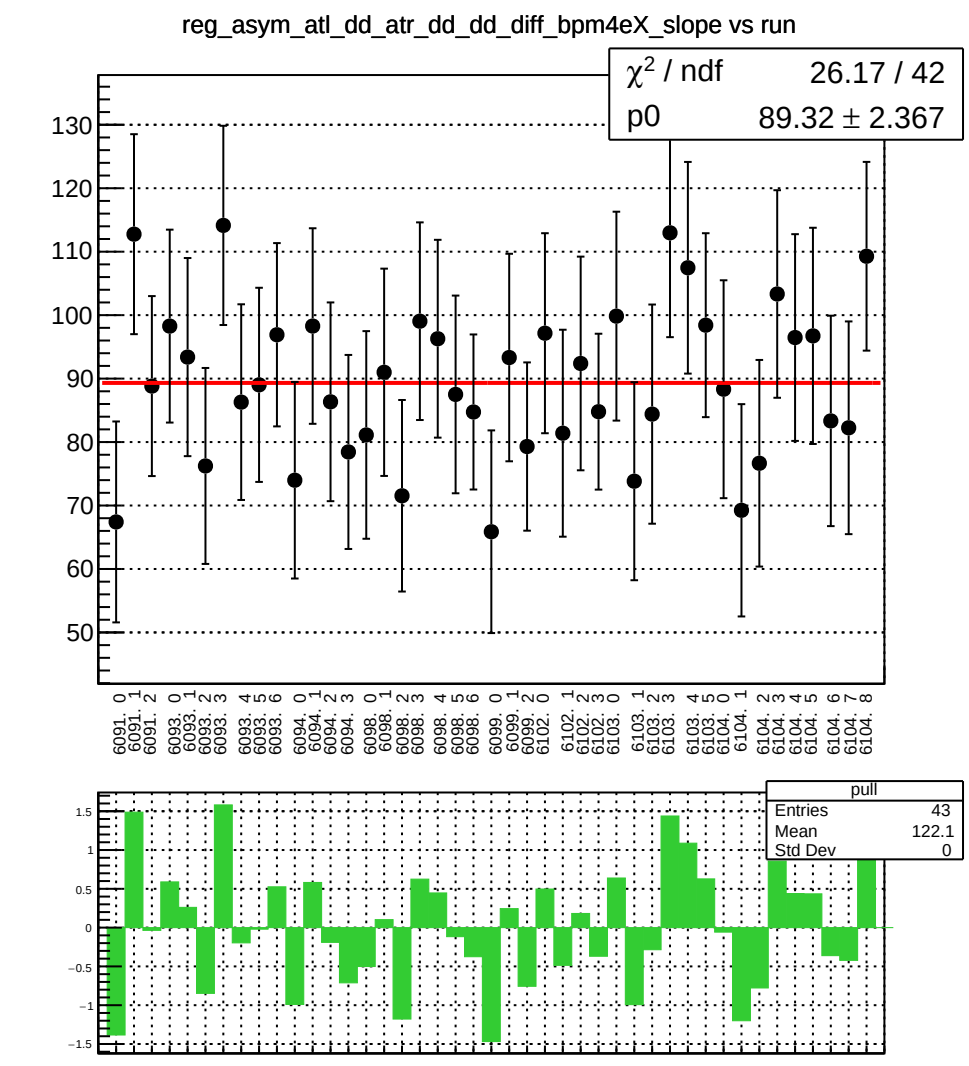

reg_asym_atl_dd_atr_dd_avg_diff_bpm4eY_slope vs run
χ² / ndf 9.648 / 42
p0 −94.23 ± 4.597
−20
−40
−60
−80
−100
−120
−140
−160
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 1801
Std Dev 0
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
−1

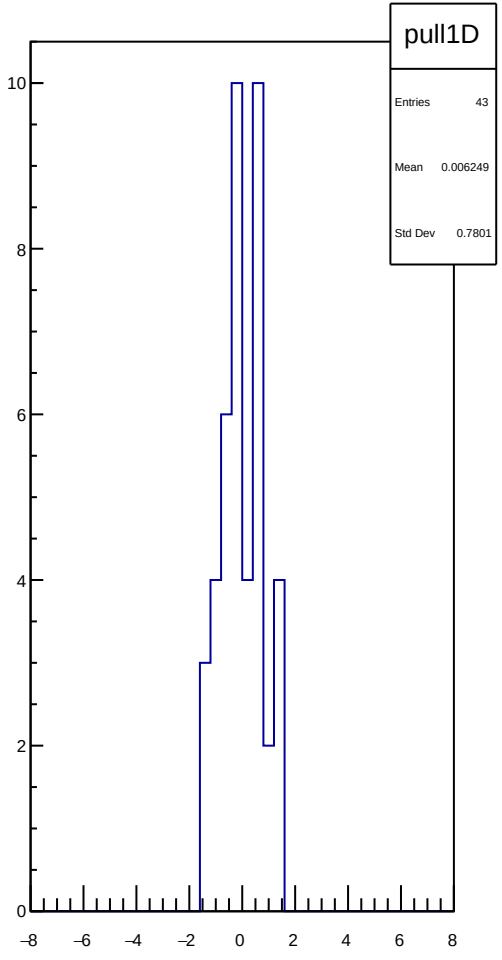

pull1D
Entries 43
Mean 0.001579
Std Dev 0.4737
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

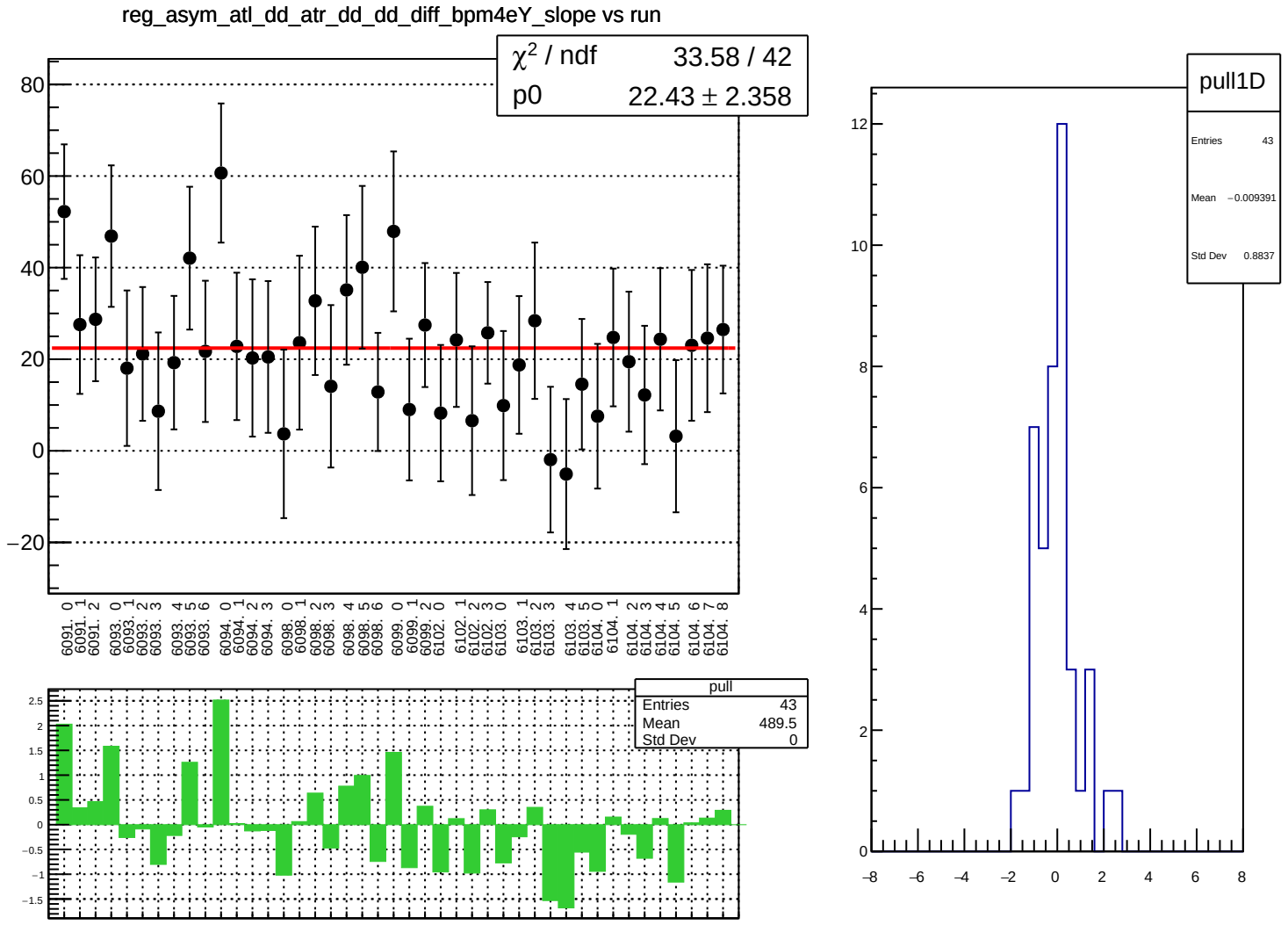

reg_asym_atl_dd_atr_dd_avg_diff_bpm12X_slope vs run
χ² / ndf 13.58 / 42
p0 100.4 ± 0.3488
104
102
100
98
96
94
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 779.2
Std Dev 0
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 43
Mean 0.003913
Std Dev 0.562
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

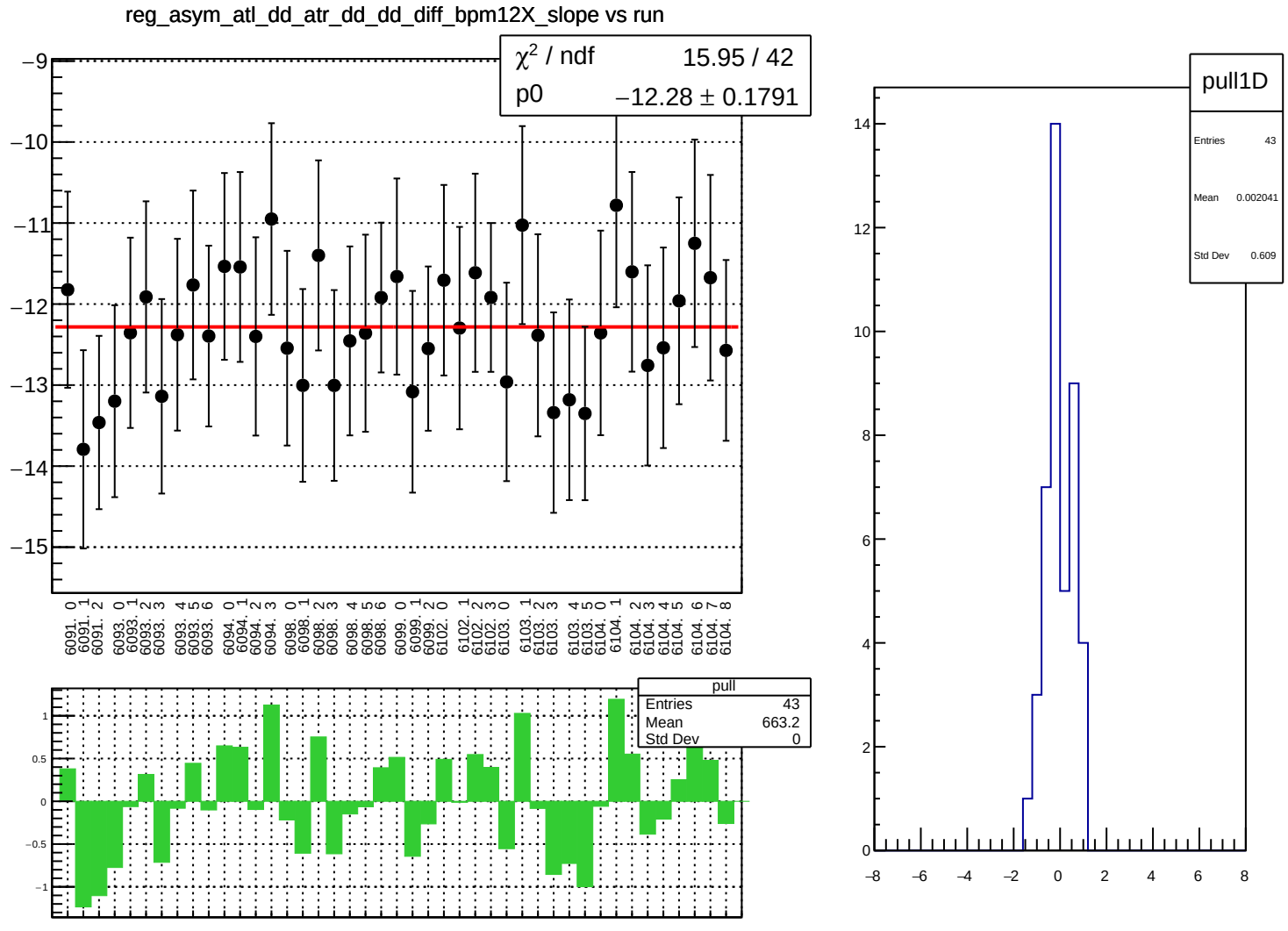

reg_asym_atl_dd_atr_dd_dd_diff_bpm1X_slope vs run
χ² / ndf 26.59 / 42
p0 −17.49 ± 1.937
pull
Entries 43
Mean 88.53
Std Dev 0
pull1D
Entries 43
Mean −0.006388
Std Dev 0.7863

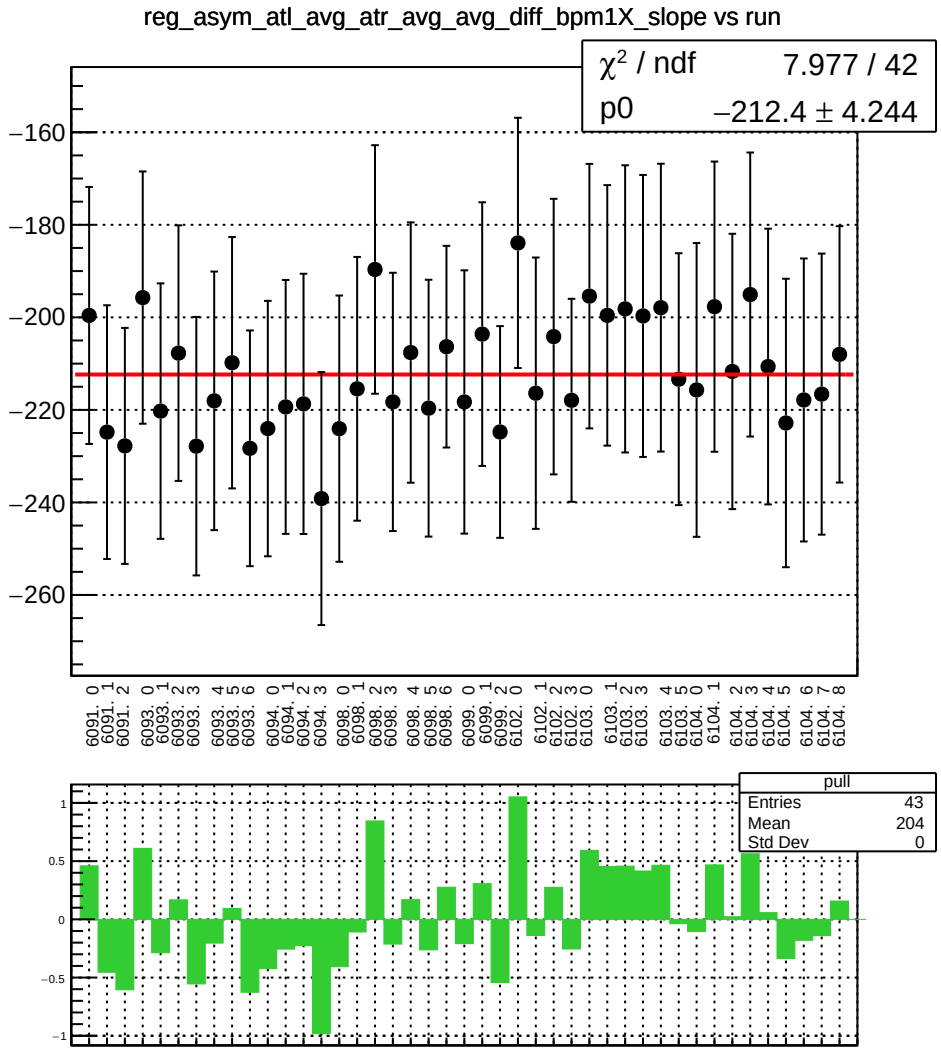

reg_asym_atl_dd_atr_dd_dd_diff_bpm4aY_slope vs run
χ² / ndf 31.27 / 42
p0 −9.987 ± 2.23
pull
Entries 43
Mean 554.4
Std Dev 0
pull1D
Entries 43
Mean 0.006561
Std Dev 0.8528

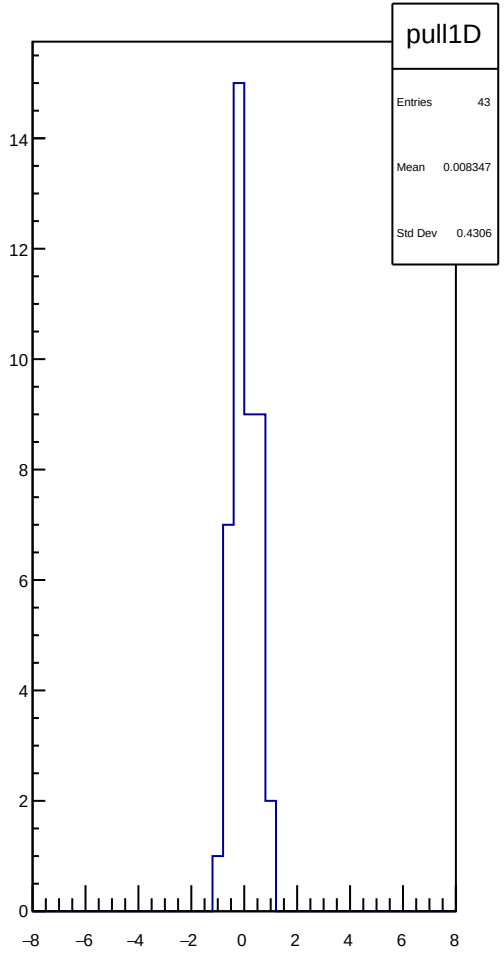

reg_asym_atl_dd_atr_dd_dd_diff_bpm4eX_slope vs run
χ² / ndf 26.17 / 42
p0 89.32 ± 2.367
130
120
110
100
90
80
70
60
50
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 122.1
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5

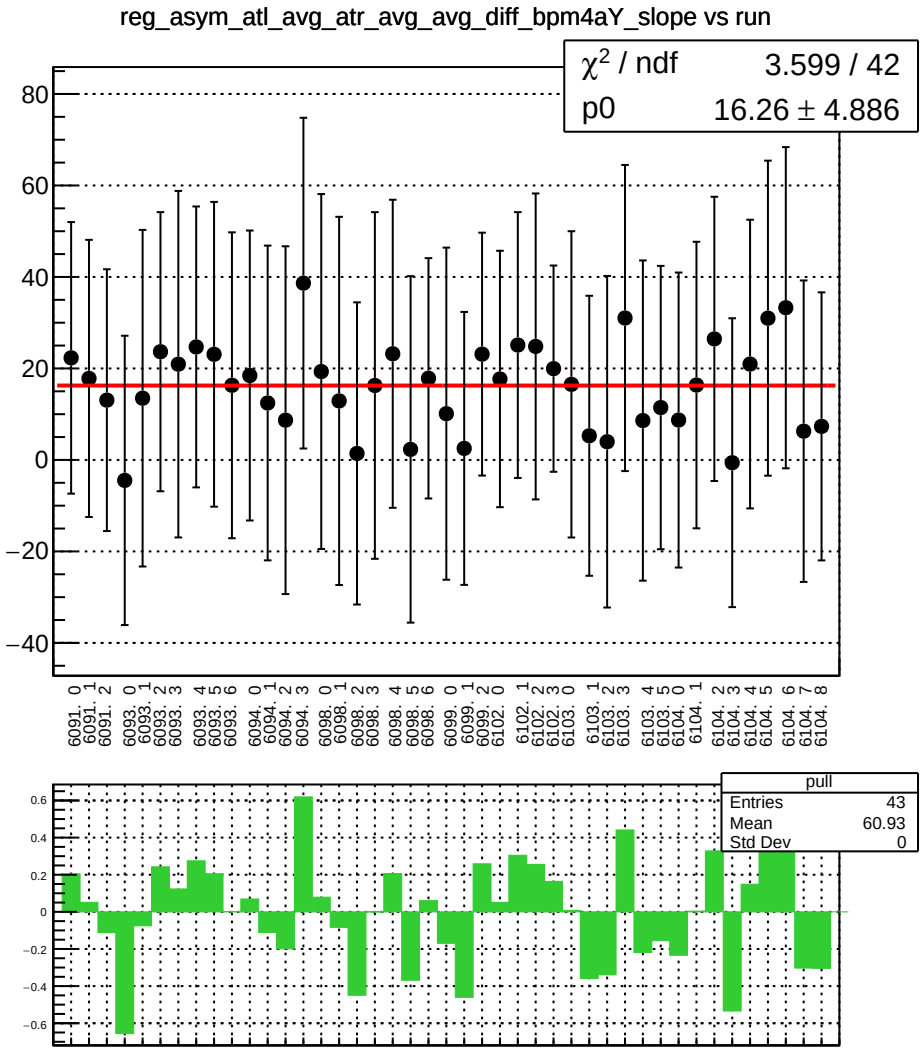

pull1D
Entries 43
Mean 0.006249
Std Dev 0.7801
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

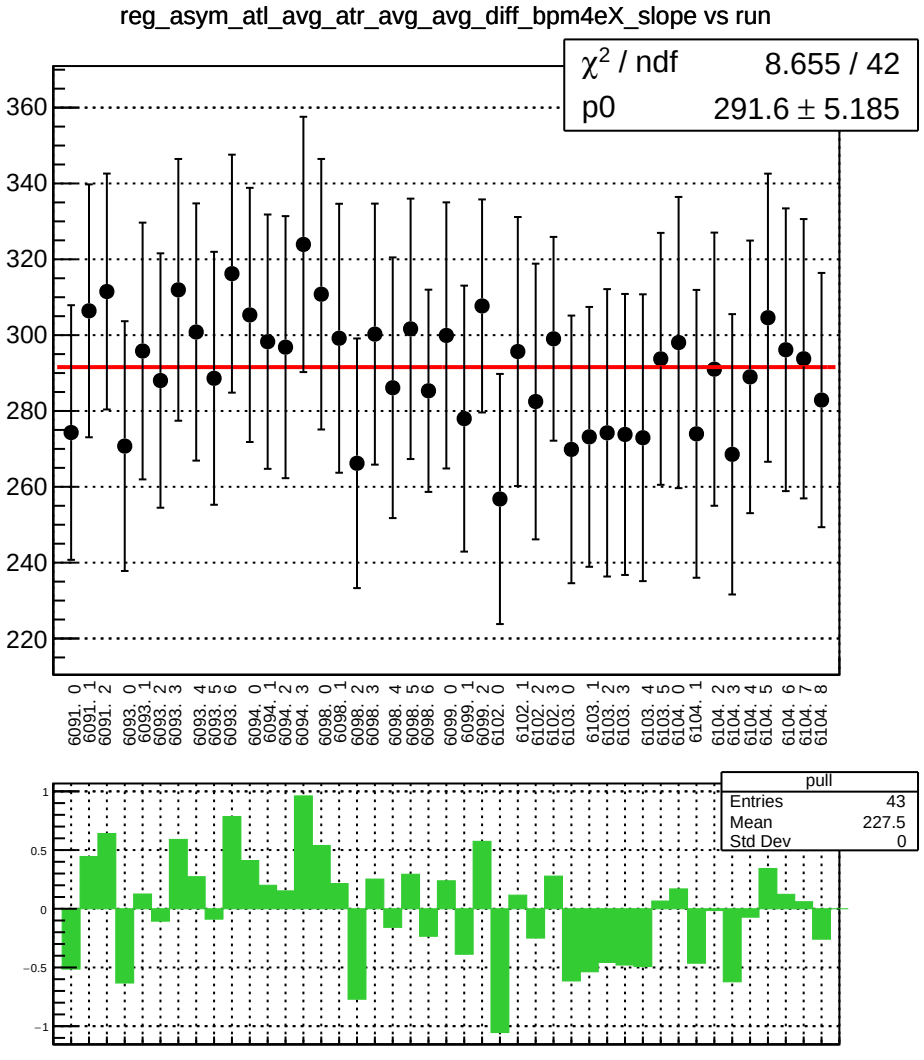

reg_asym_atl_dd_atr_dd_dd_diff_bpm4eY_slope vs run
χ² / ndf 33.58 / 42
p0 22.43 ± 2.358
80
60
40
20
0
−20
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 489.5
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 43
Mean −0.009391
Std Dev 0.8837
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

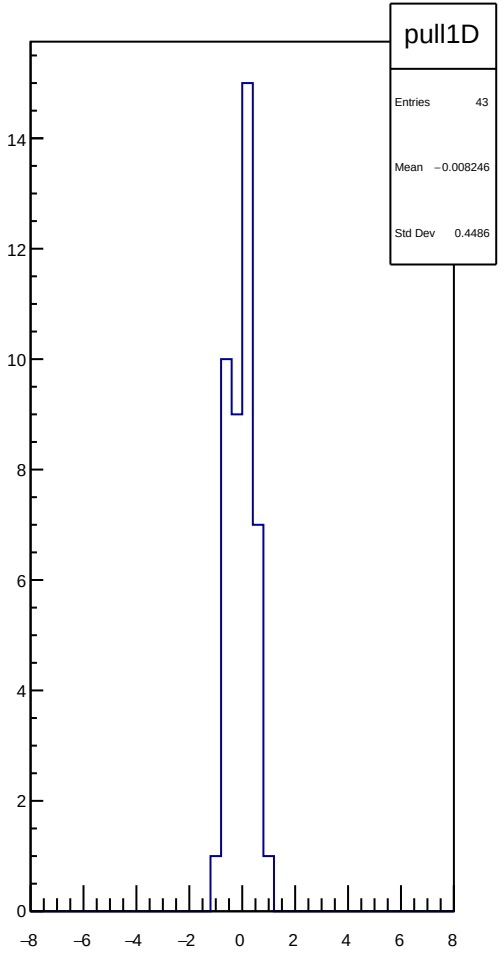

reg_asym_atl_dd_atr_dd_dd_diff_bpm12X_slope vs run
χ² / ndf 15.95 / 42
p0 −12.28 ± 0.1791
pull
Entries 43
Mean 663.2
Std Dev 0
pull1D
Entries 43
Mean 0.002041
Std Dev 0.609

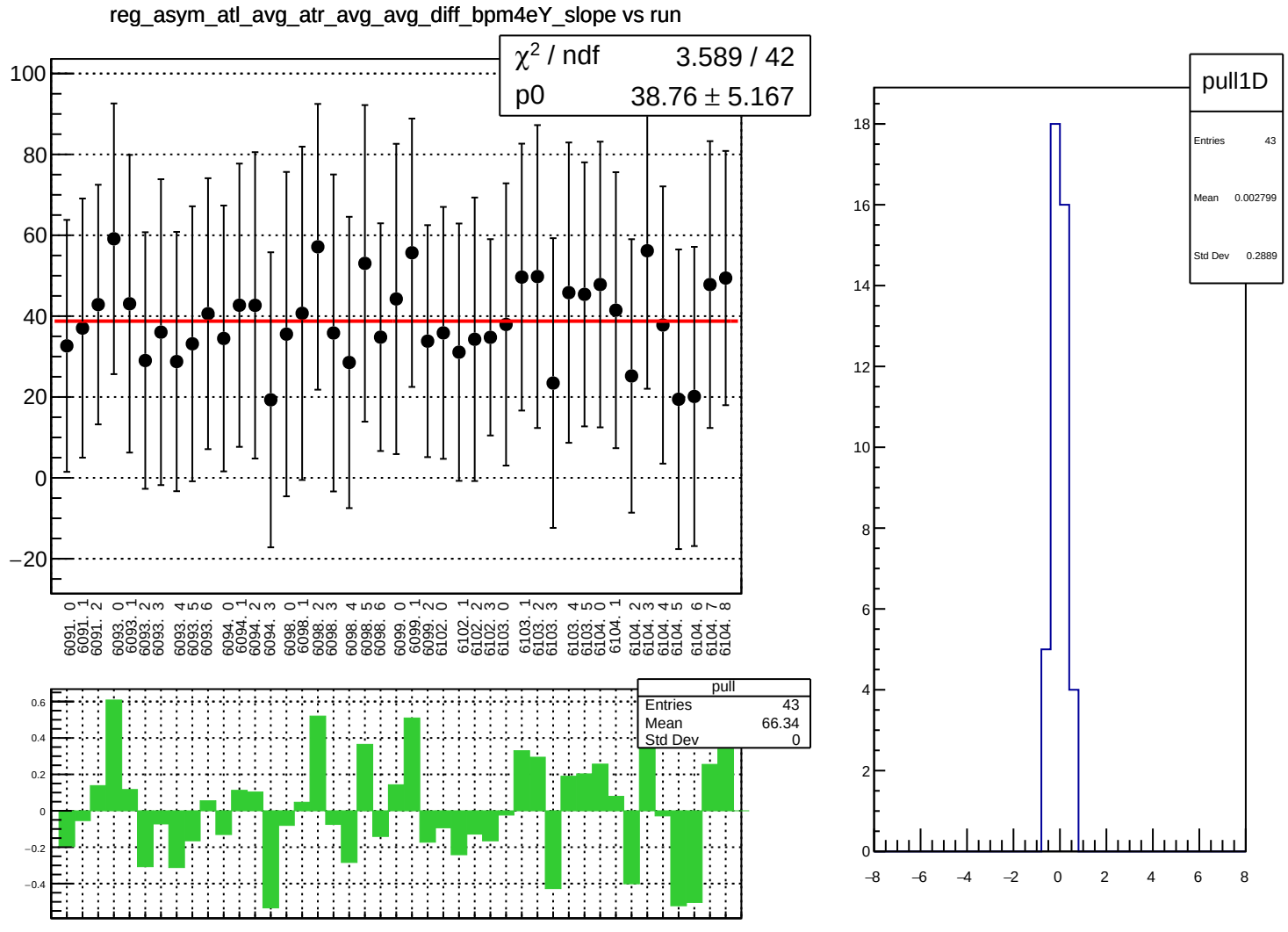

reg_asym_atl_avg_atr_avg_avg_diff_bpm1X_slope vs run
χ² / ndf 7.977 / 42
p0 −212.4 ± 4.244
−160
−180
−200
−220
−240
−260
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 204
Std Dev 0
1
0.5
0
−0.5
−1

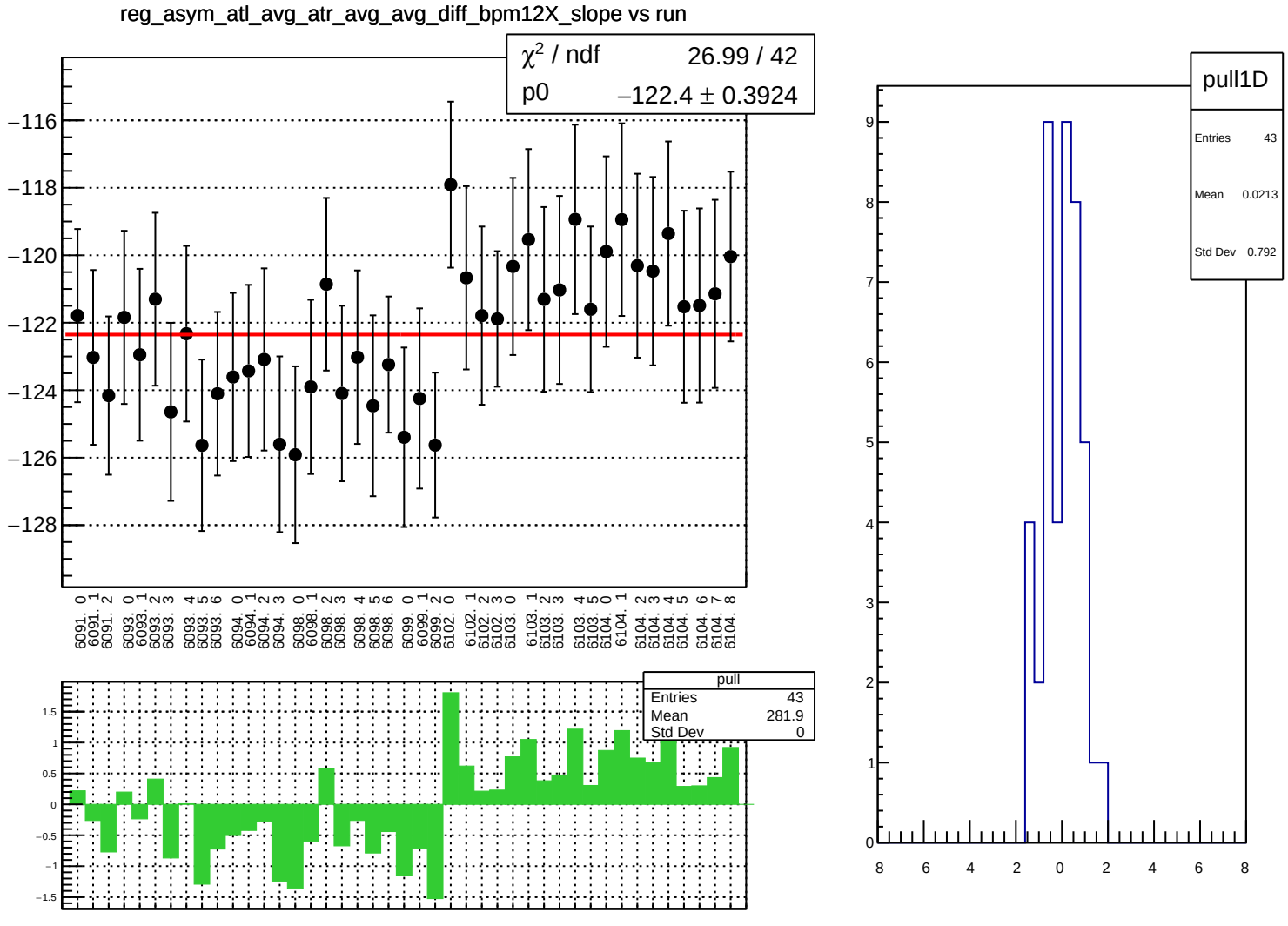

pull1D
Entries 43
Mean 0.008347
Std Dev 0.4306
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

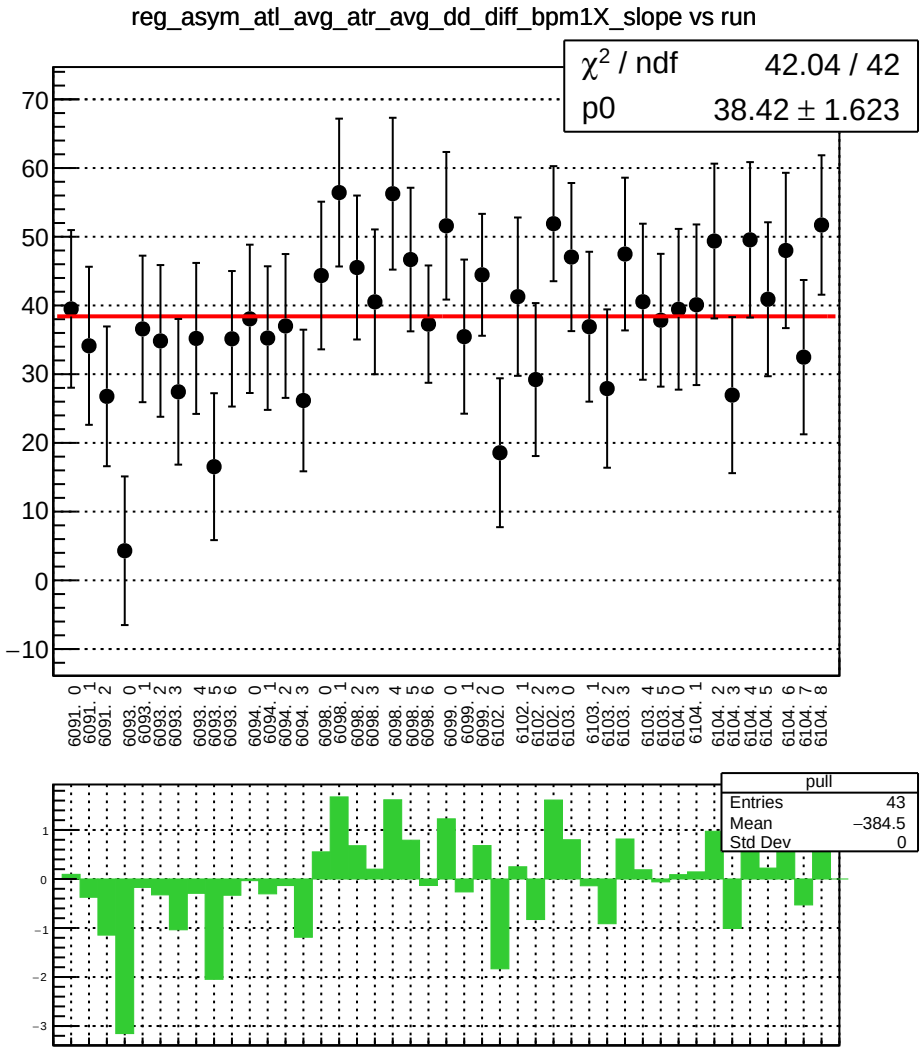

reg_asym_atl_avg_atr_avg_avg_diff_bpm4aY_slope vs run
χ² / ndf 3.599 / 42
p0 16.26 ± 4.886
pull
Entries 43
Mean 60.93
Std Dev 0
pull1D
Entries 43
Mean −0.002713
Std Dev 0.2893

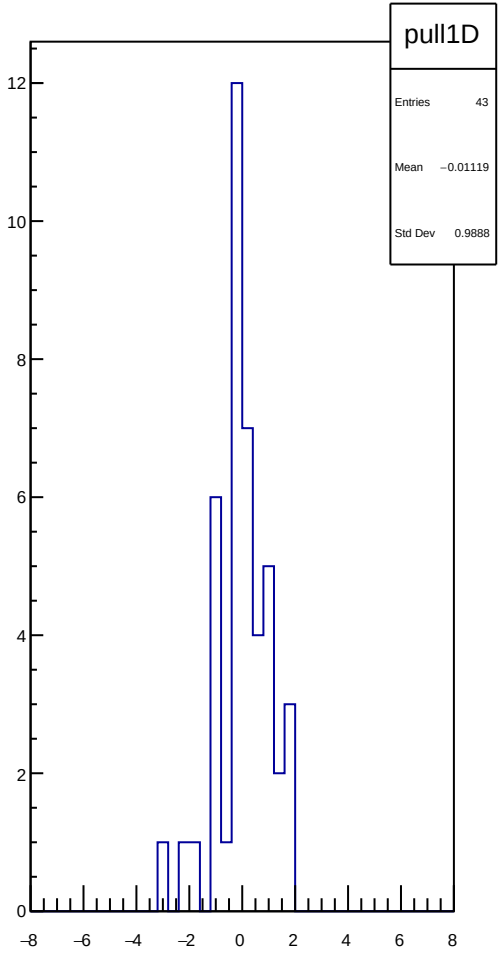

reg_asym_atl_avg_atr_avg_avg_diff_bpm4eX_slope vs run
χ² / ndf 8.655 / 42
p0 291.6 ± 5.185
pull
Entries 43
Mean 227.5
Std Dev 0

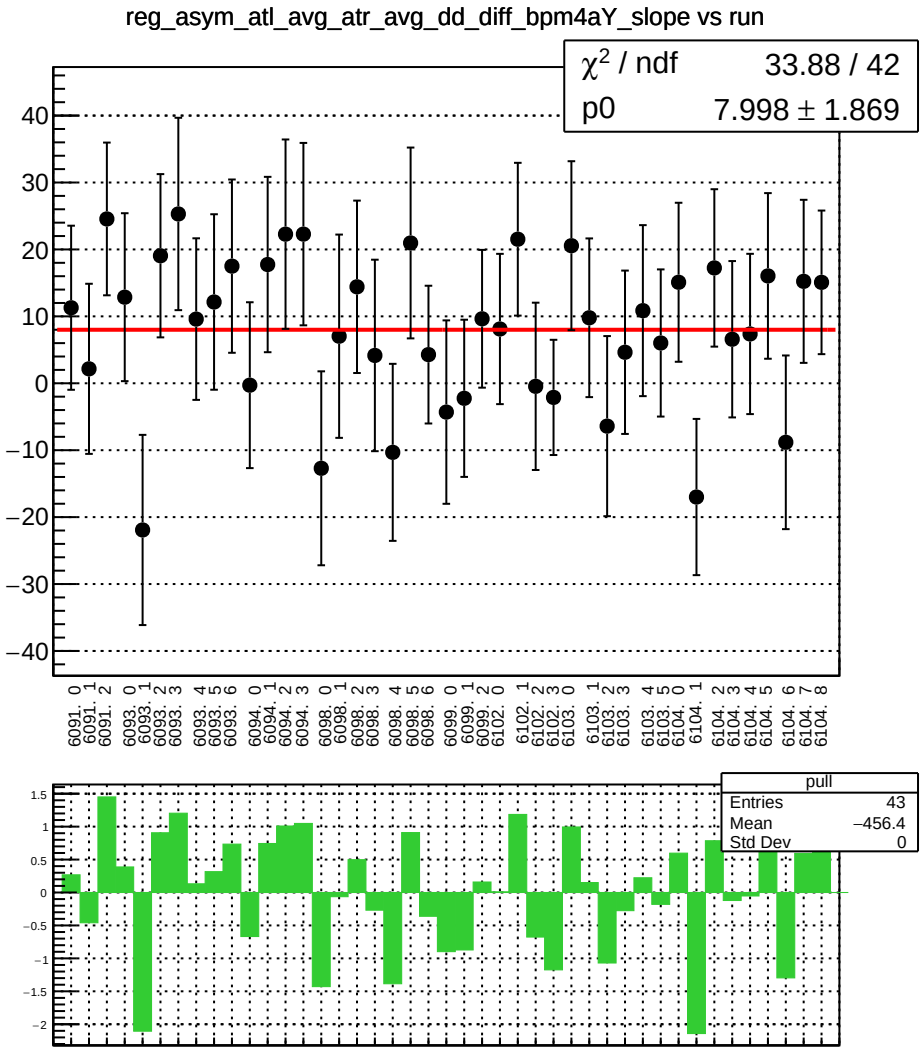

pull1D
Entries 43
Mean −0.008246
Std Dev 0.4486

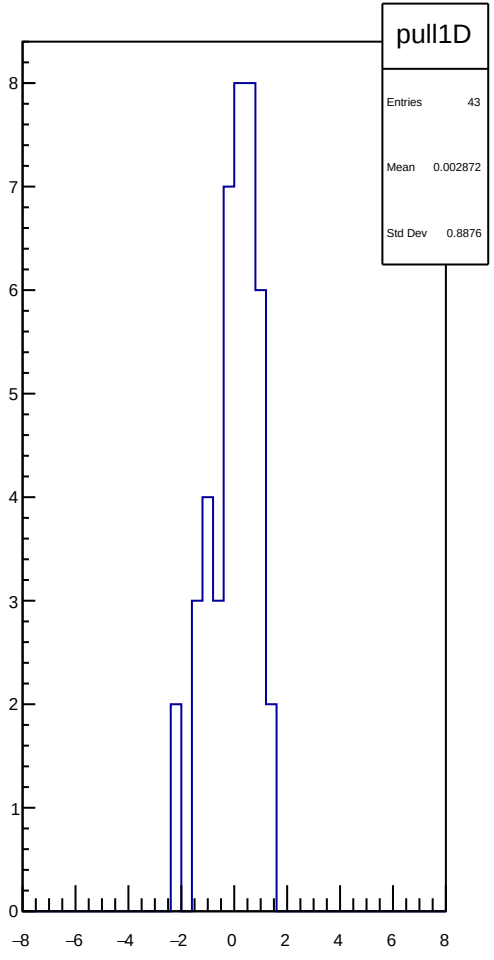

reg_asym_atl_avg_atr_avg_avg_diff_bpm4eY_slope vs run
χ² / ndf 3.589 / 42
p0 38.76 ± 5.167
pull
Entries 43
Mean 66.34
Std Dev 0
pull1D
Entries 43
Mean 0.002799
Std Dev 0.2889

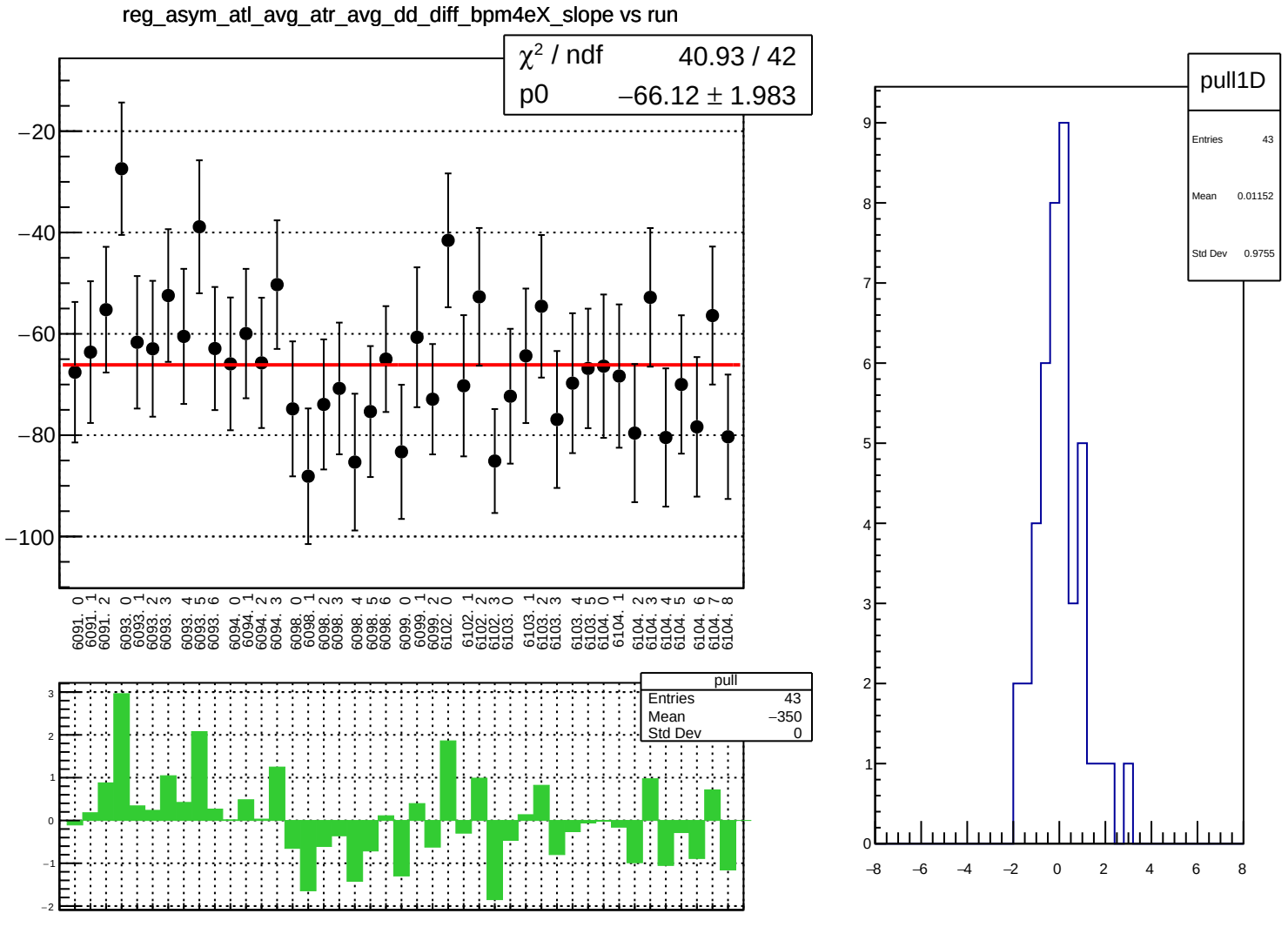

reg_asym_atl_avg_atr_avg_avg_diff_bpm12X_slope vs run
χ² / ndf 26.99 / 42
p0 −122.4 ± 0.3924
−116
−118
−120
−122
−124
−126
−128
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 281.9
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 43
Mean 0.0213
Std Dev 0.792
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

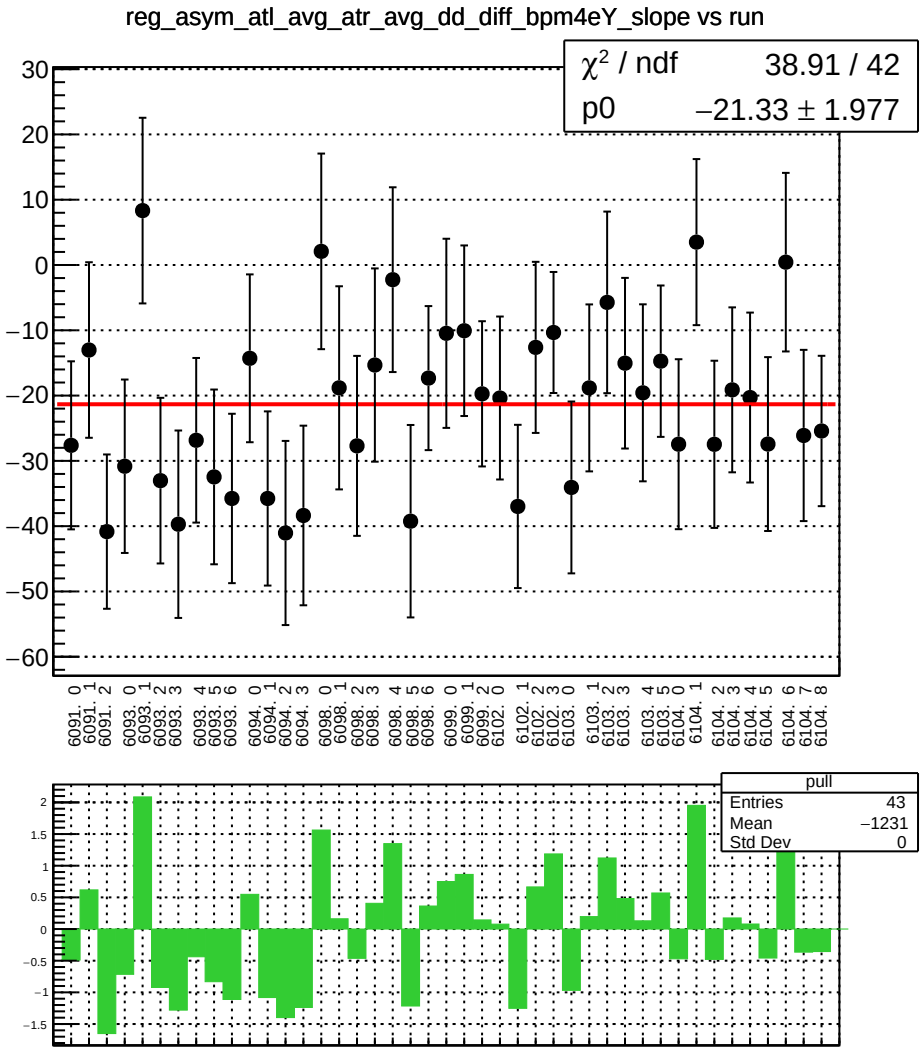

reg_asym_atl_avg_atr_avg_dd_diff_bpm1X_slope vs run
χ² / ndf 42.04 / 42
p0 38.42 ± 1.623
pull
Entries 43
Mean −384.5
Std Dev 0

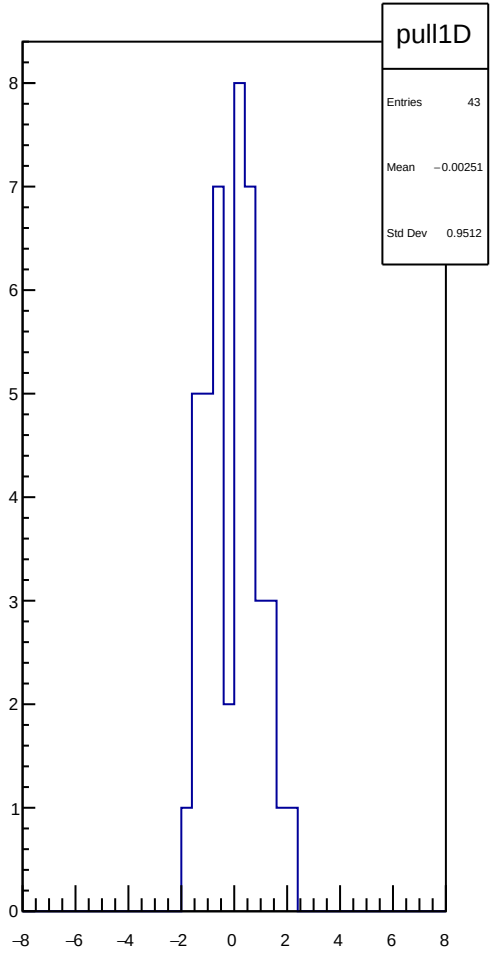

pull1D
Entries 43
Mean −0.01119
Std Dev 0.9888

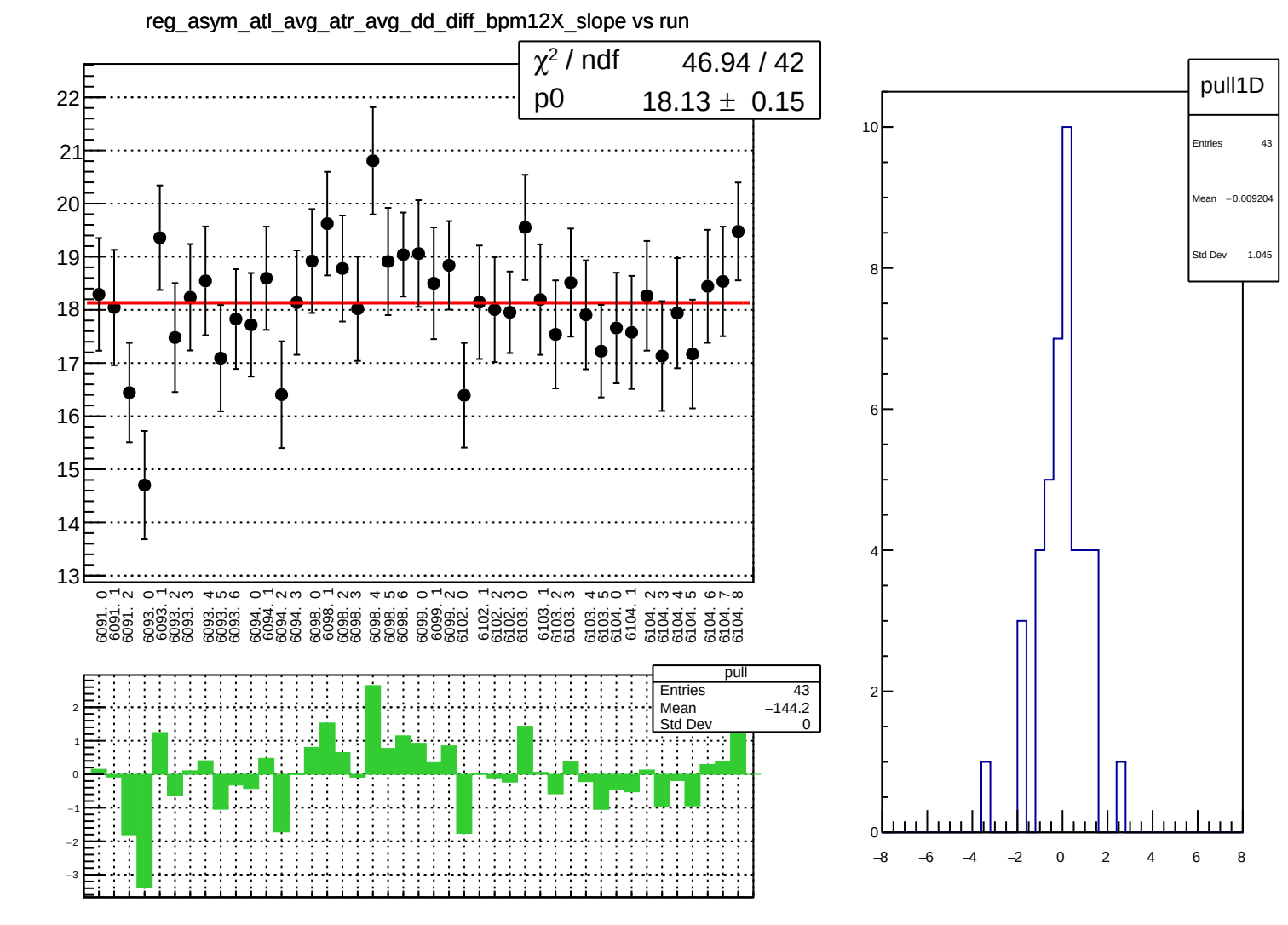

reg_asym_atl_avg_atr_avg_dd_diff_bpm4aY_slope vs run
χ² / ndf 33.88 / 42
p0 7.998 ± 1.869
pull
Entries 43
Mean −456.4
Std Dev 0

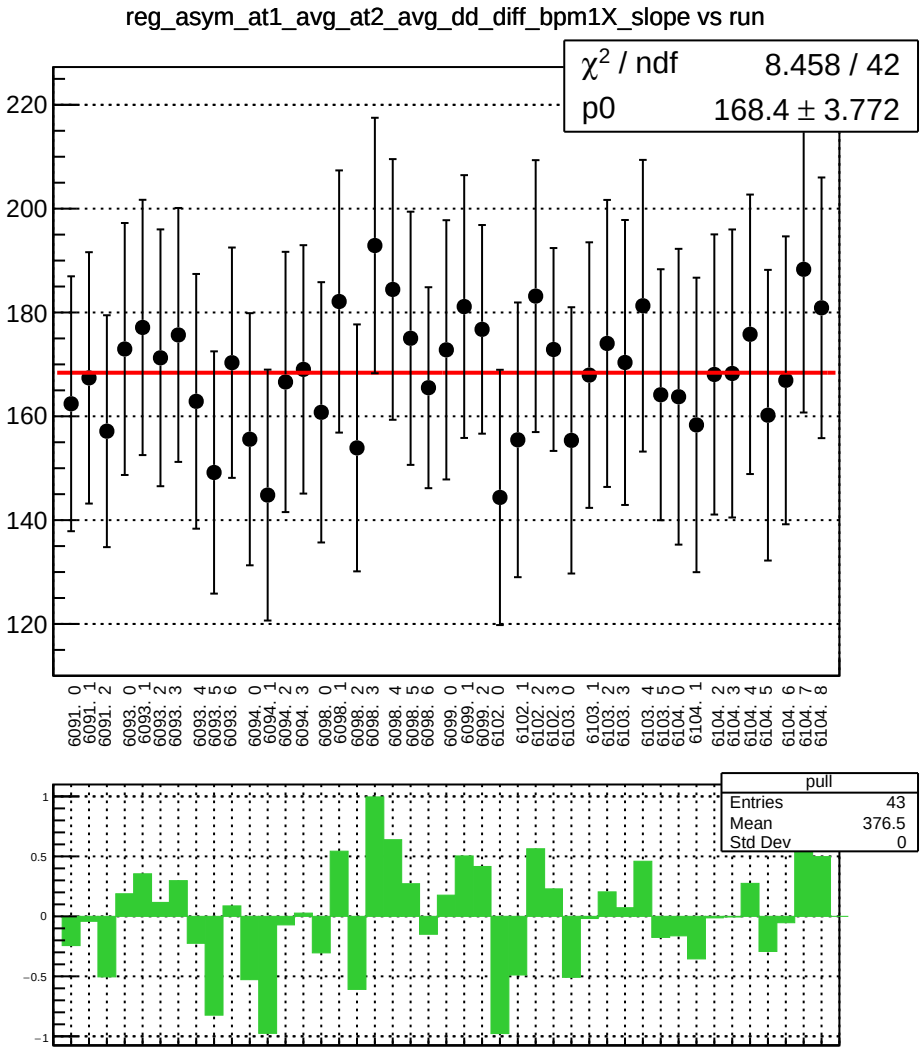

pull1D
Entries 43
Mean 0.002872
Std Dev 0.8876

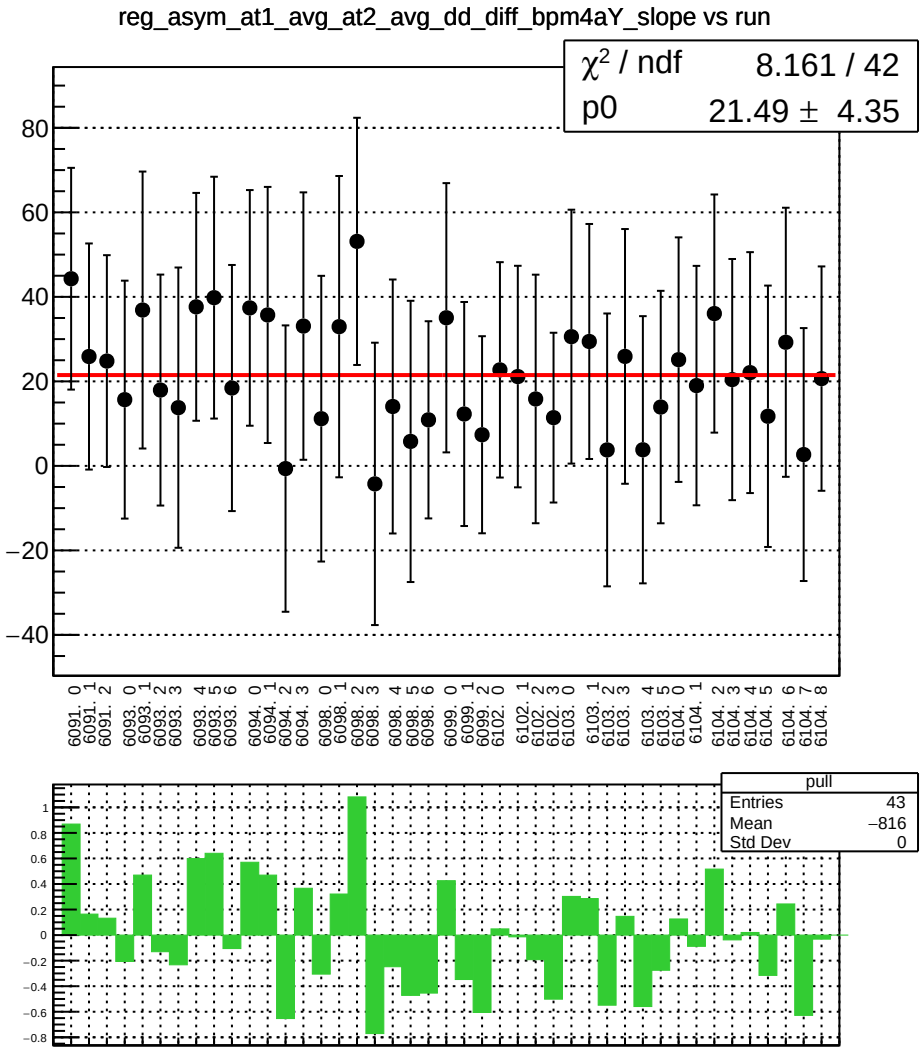

reg_asym_atl_avg_atr_avg_dd_diff_bpm4eX_slope vs run
χ² / ndf 40.93 / 42
p0 −66.12 ± 1.983
−20
−40
−60
−80
−100
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean −350
Std Dev 0
3
2
1
0
−1
−2
pull1D
Entries 43
Mean 0.01152
Std Dev 0.9755
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

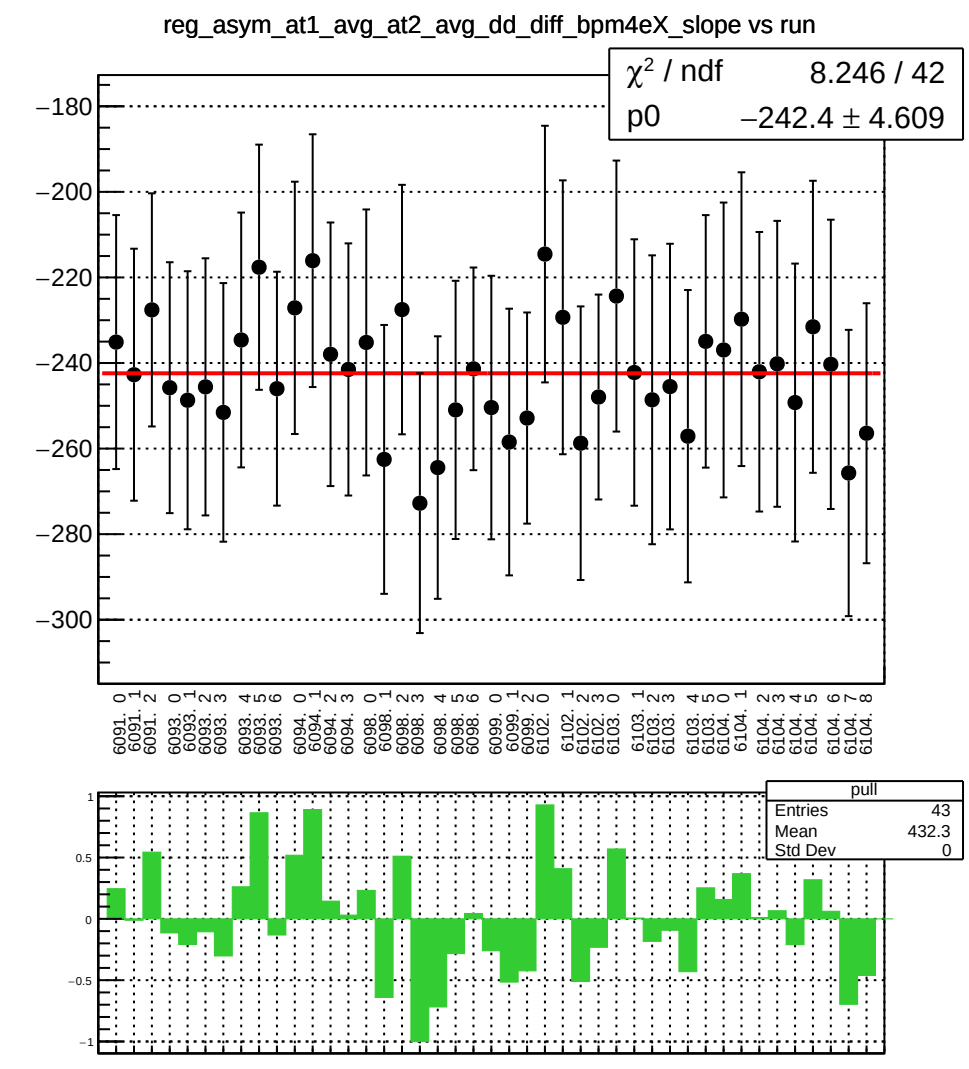

reg_asym_atl_avg_atr_avg_dd_diff_bpm4eY_slope vs run
χ² / ndf 38.91 / 42
p0 −21.33 ± 1.977
pull
Entries 43
Mean −1231
Std Dev 0

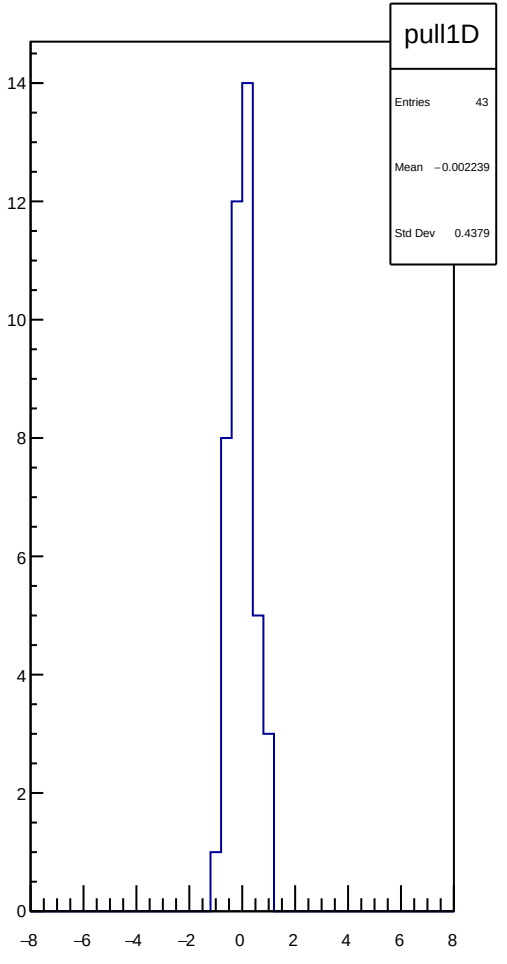

pull1D
Entries 43
Mean −0.00251
Std Dev 0.9512

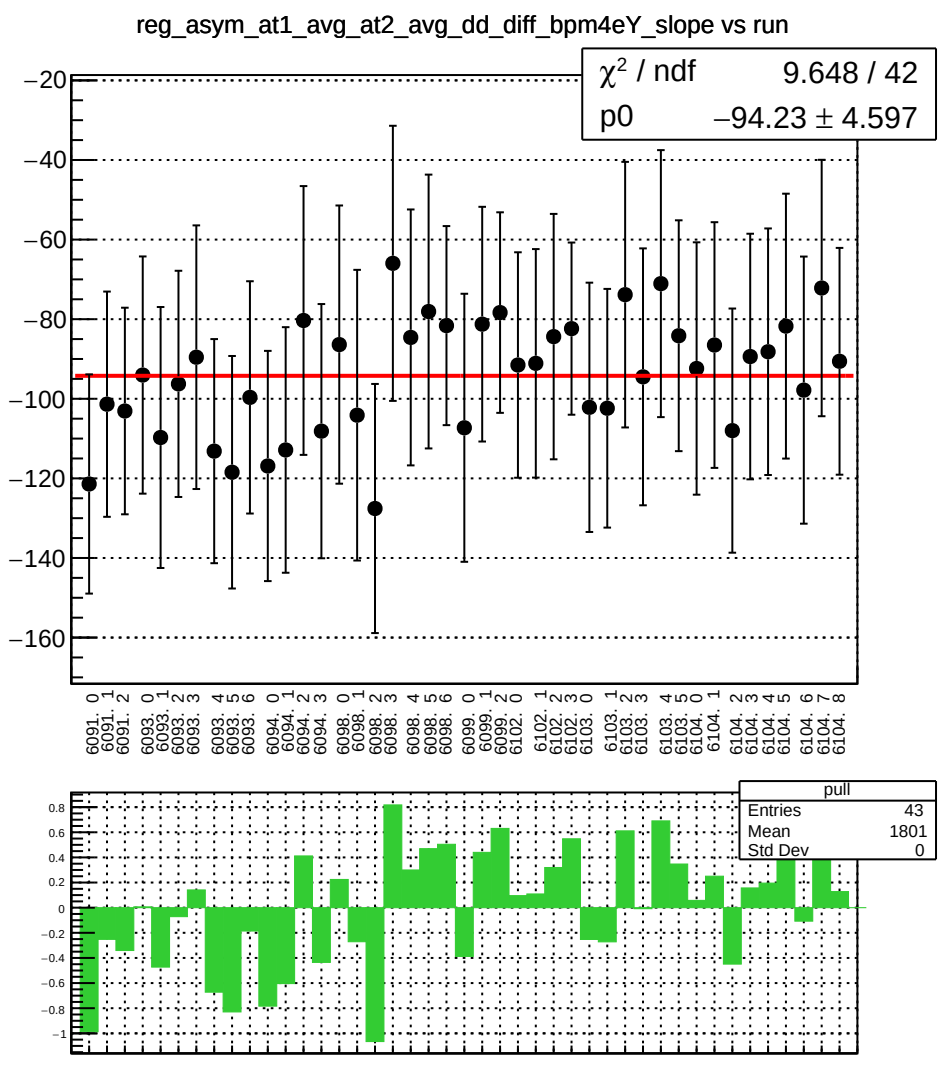

reg_asym_atl_avg_atr_avg_dd_diff_bpm12X_slope vs run
χ² / ndf 46.94 / 42
p0 18.13 ± 0.15
pull
Entries 43
Mean −144.2
Std Dev 0
pull1D
Entries 43
Mean −0.009204
Std Dev 1.045

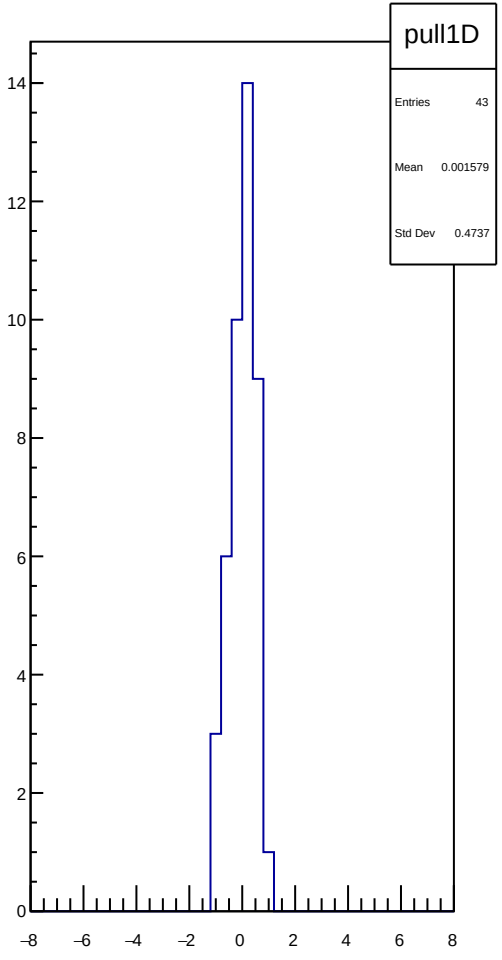

reg_asym_at1_avg_at2_avg_dd_diff_bpm1X_slope vs run
χ² / ndf 8.458 / 42
p0 168.4 ± 3.772
220
200
180
160
140
120
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 376.5
Std Dev 0
1
0.5
0
−0.5
−1
pull1D
Entries 43
Mean 0.00279
Std Dev 0.4435
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

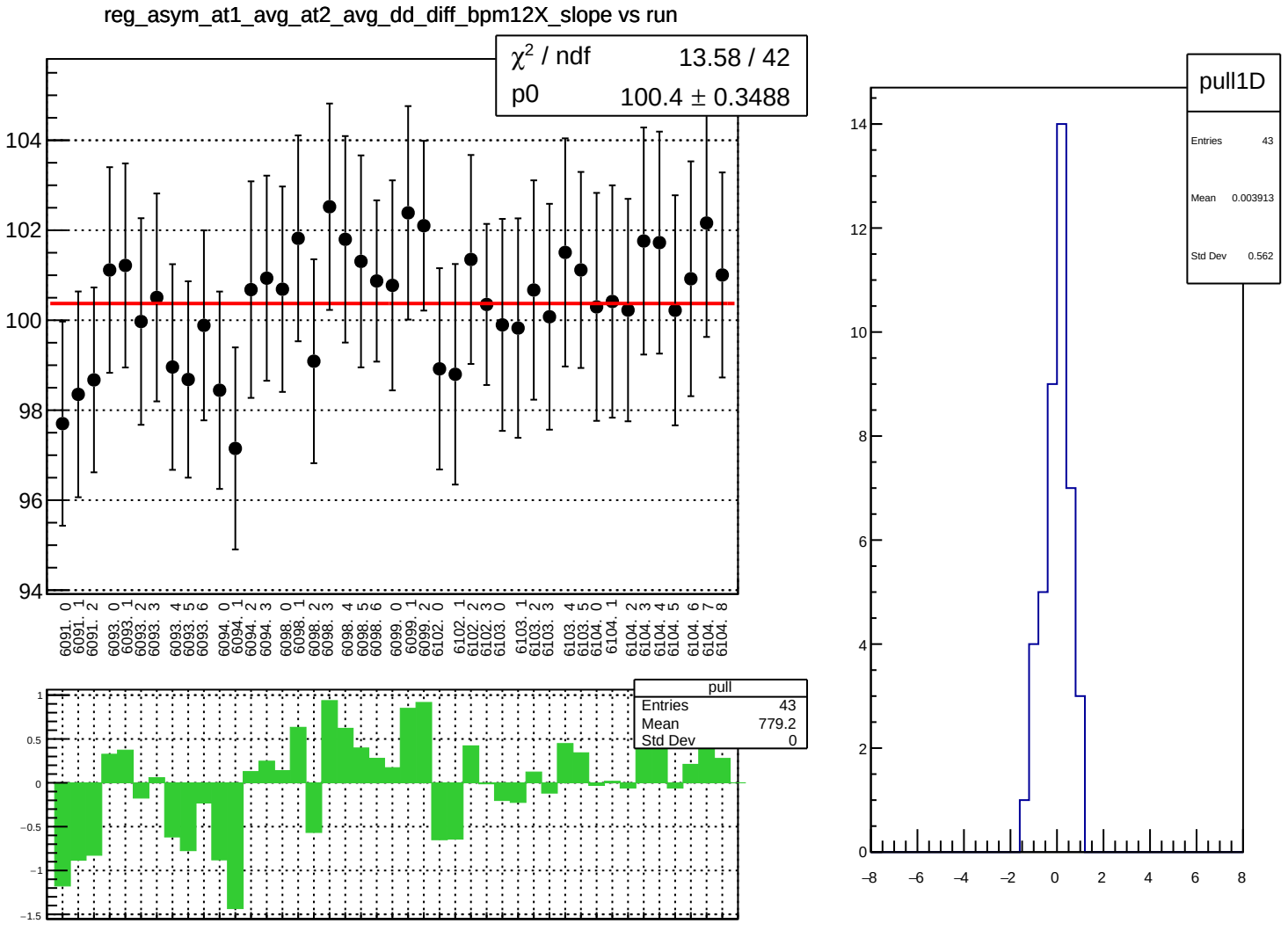

reg_asym_at1_avg_at2_avg_dd_diff_bpm4aY_slope vs run
χ² / ndf 8.161 / 42
p0 21.49 ± 4.35
pull
Entries 43
Mean −816
Std Dev 0
pull1D
Entries 43
Mean 0.001847
Std Dev 0.4356

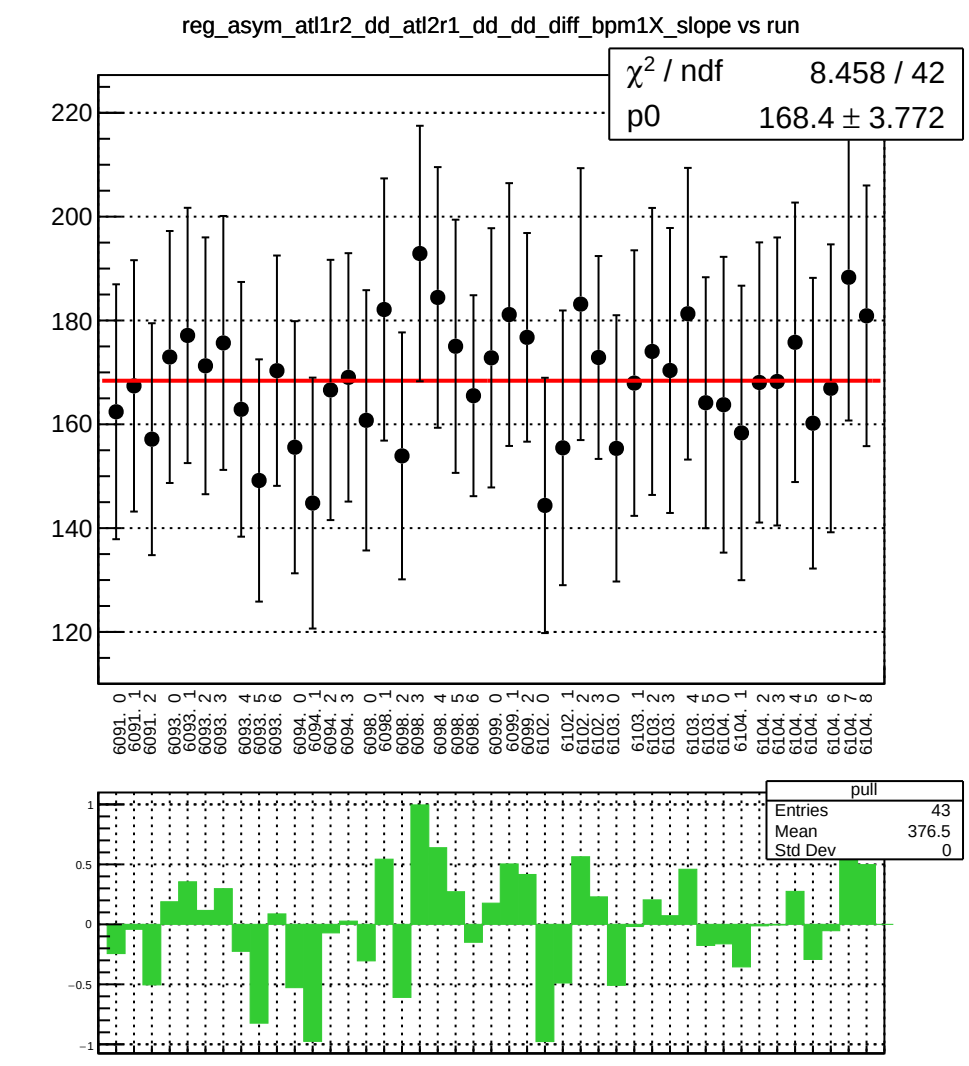

reg_asym_at1_avg_at2_avg_dd_diff_bpm4eX_slope vs run
χ² / ndf 8.246 / 42
p0 −242.4 ± 4.609
−180
−200
−220
−240
−260
−280
−300
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 432.3
Std Dev 0
1
0.5
0
−0.5
−1

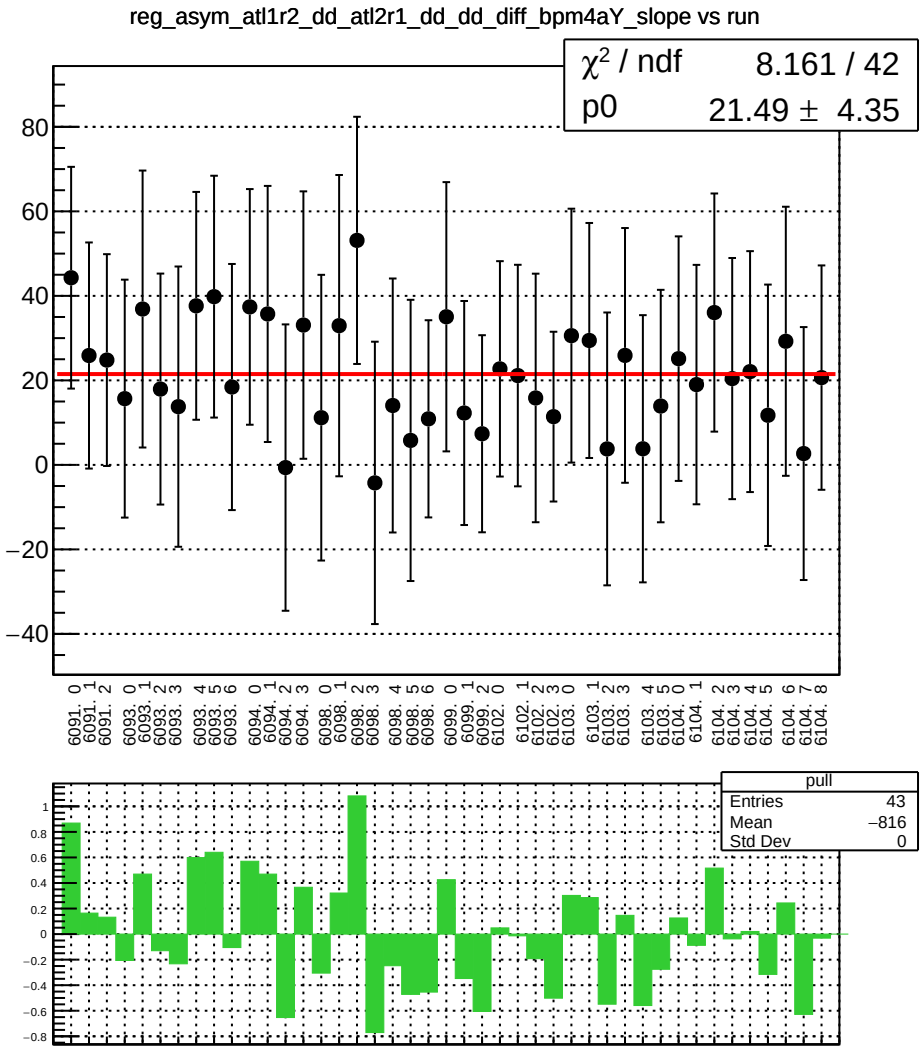

pull1D
Entries 43
Mean −0.002239
Std Dev 0.4379
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

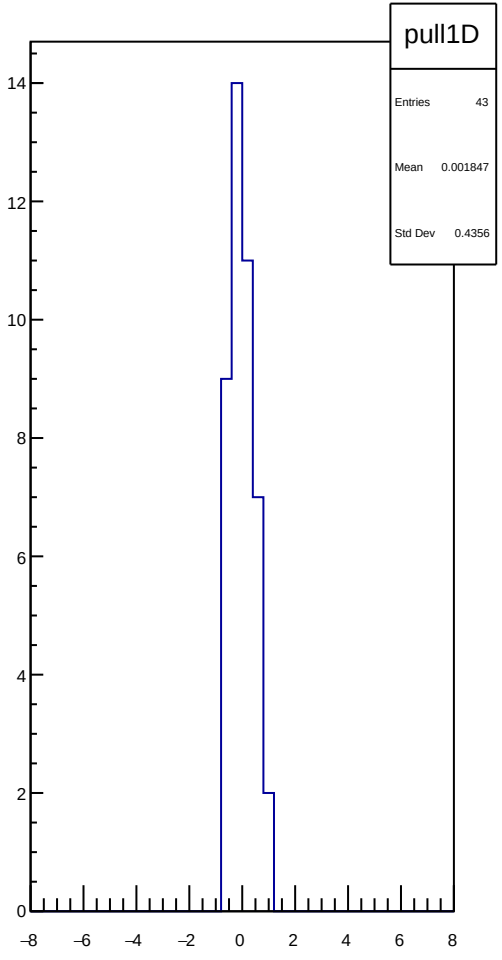

reg_asym_at1_avg_at2_avg_dd_diff_bpm4eY_slope vs run
χ² / ndf 9.648 / 42
p0 −94.23 ± 4.597
pull
Entries 43
Mean 1801
Std Dev 0

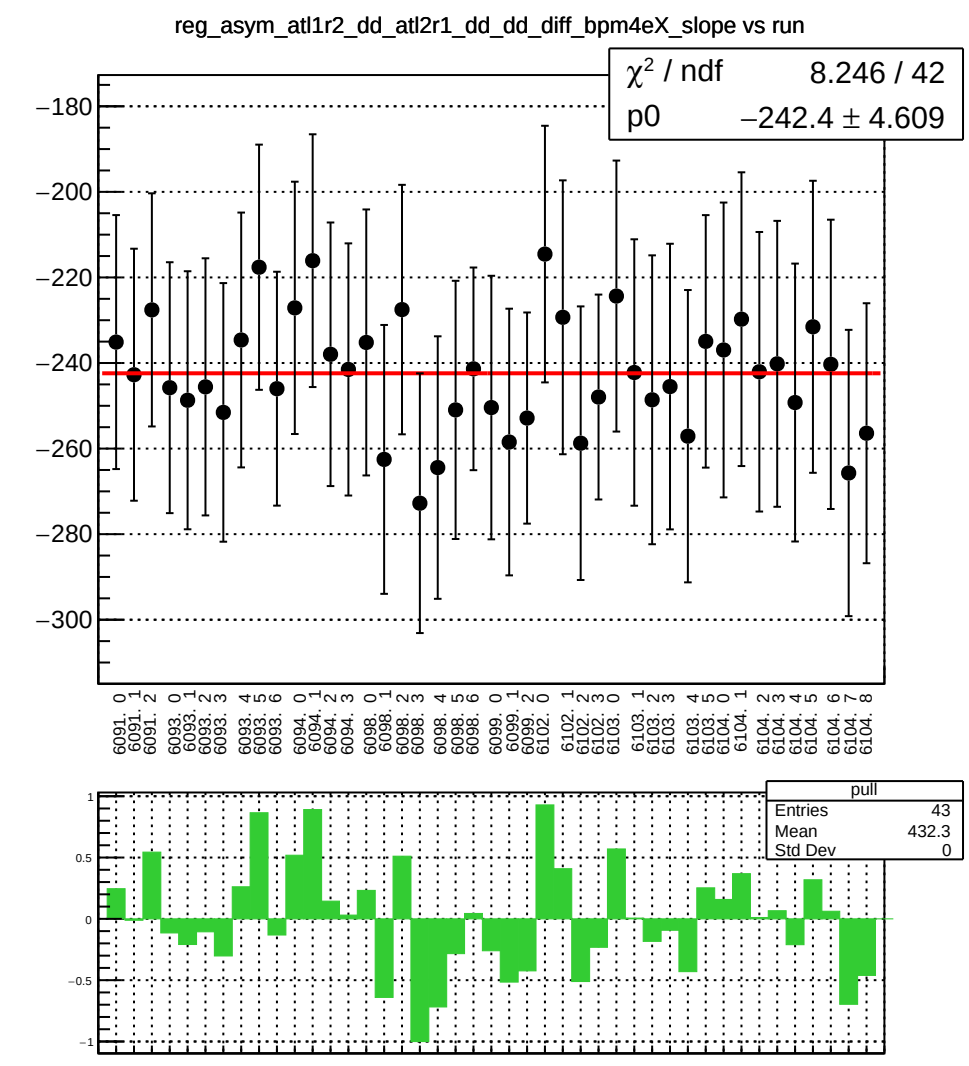

pull1D
Entries 43
Mean 0.001579
Std Dev 0.4737

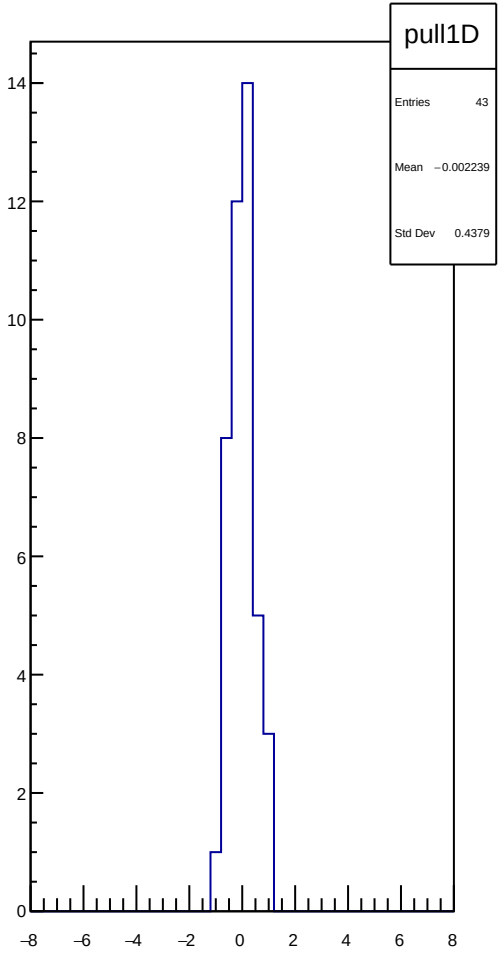

reg_asym_at1_avg_at2_avg_dd_diff_bpm12X_slope vs run
χ² / ndf 13.58 / 42
p0 100.4 ± 0.3488
pull
Entries 43
Mean 779.2
Std Dev 0
pull1D
Entries 43
Mean 0.003913
Std Dev 0.562

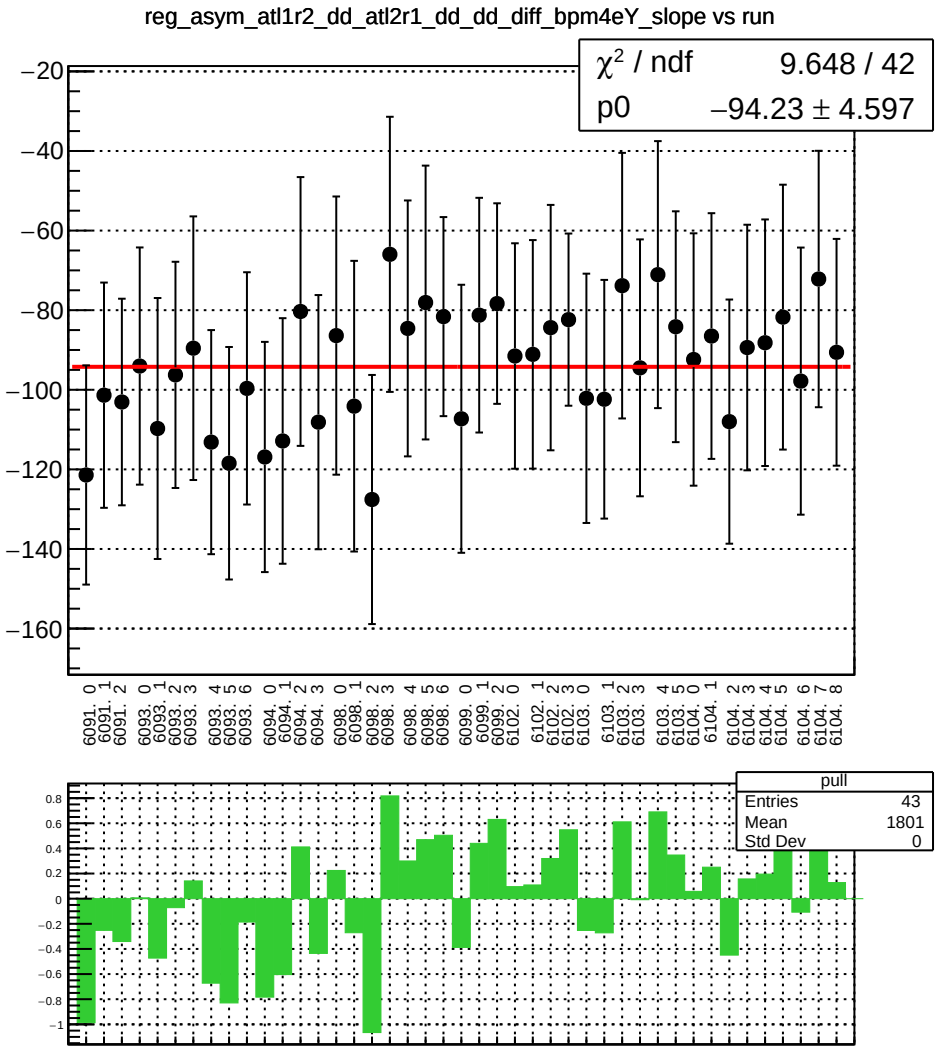

reg_asym_atl1r2_dd_atl2r1_dd_dd_diff_bpm1X_slope vs run
χ² / ndf 8.458 / 42
p0 168.4 ± 3.772
220
200
180
160
140
120
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 376.5
Std Dev 0
1
0.5
0
−0.5
−1
pull1D
Entries 43
Mean 0.00279
Std Dev 0.4435
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

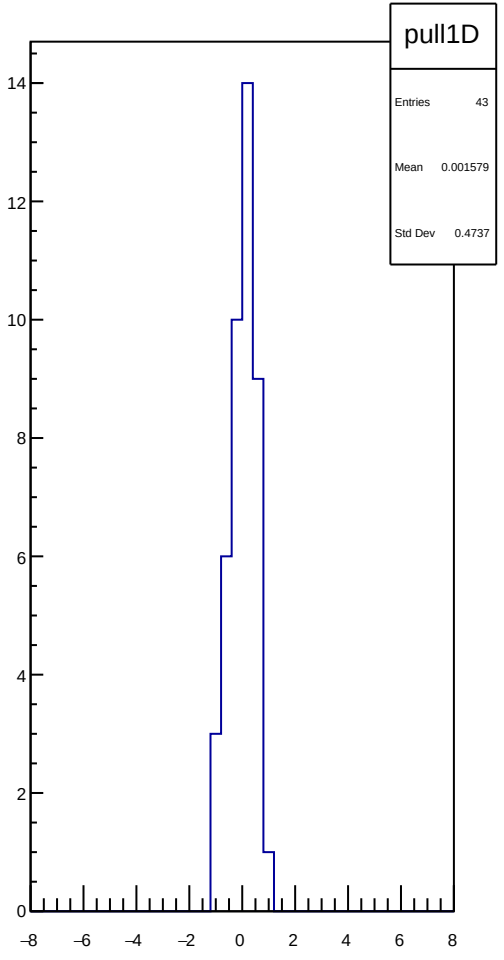

reg_asym_atl1r2_dd_atl2r1_dd_dd_diff_bpm4aY_slope vs run
χ² / ndf 8.161 / 42
p0 21.49 ± 4.35
pull
Entries 43
Mean −816
Std Dev 0

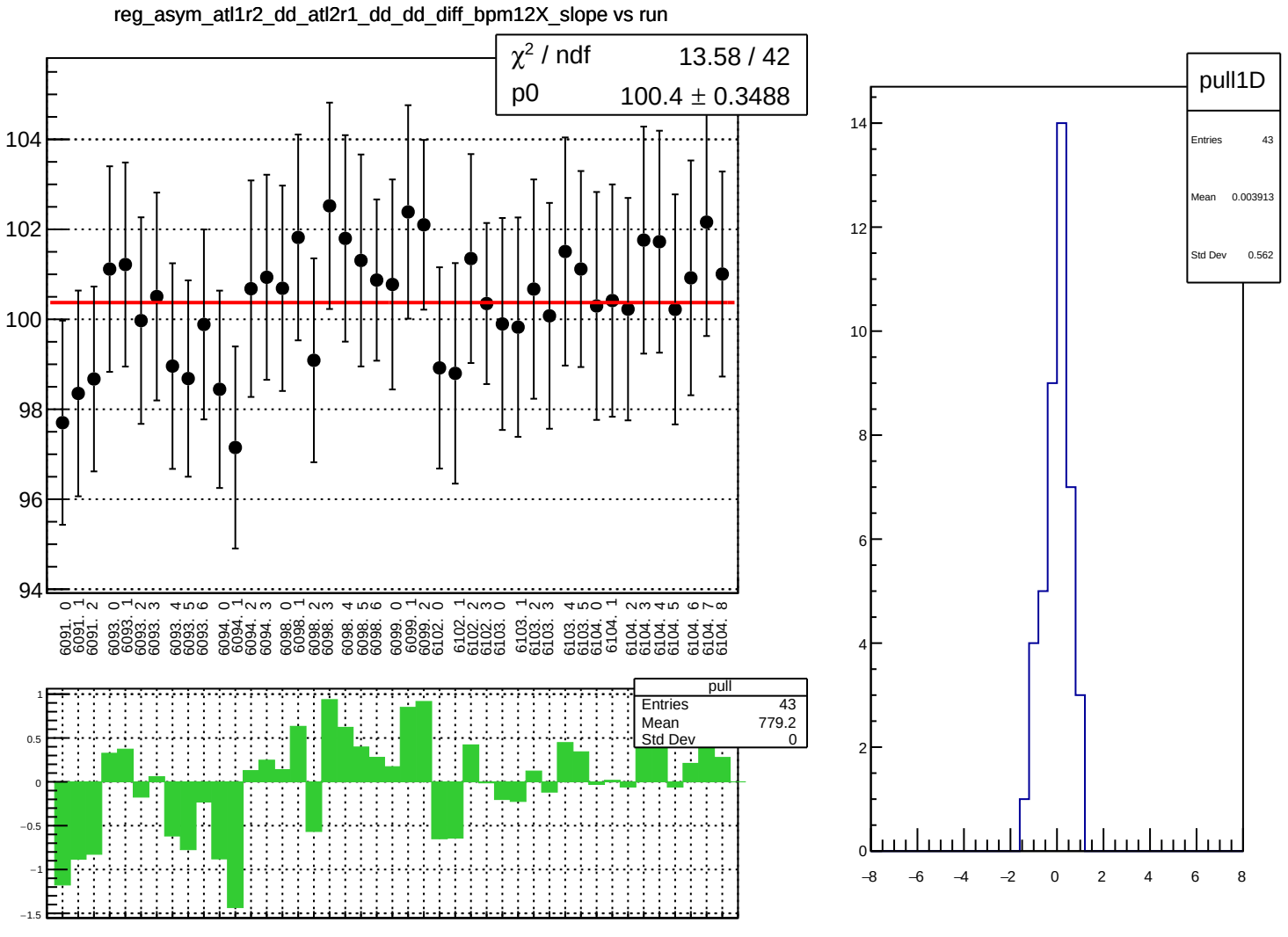

pull1D
Entries 43
Mean 0.001847
Std Dev 0.4356

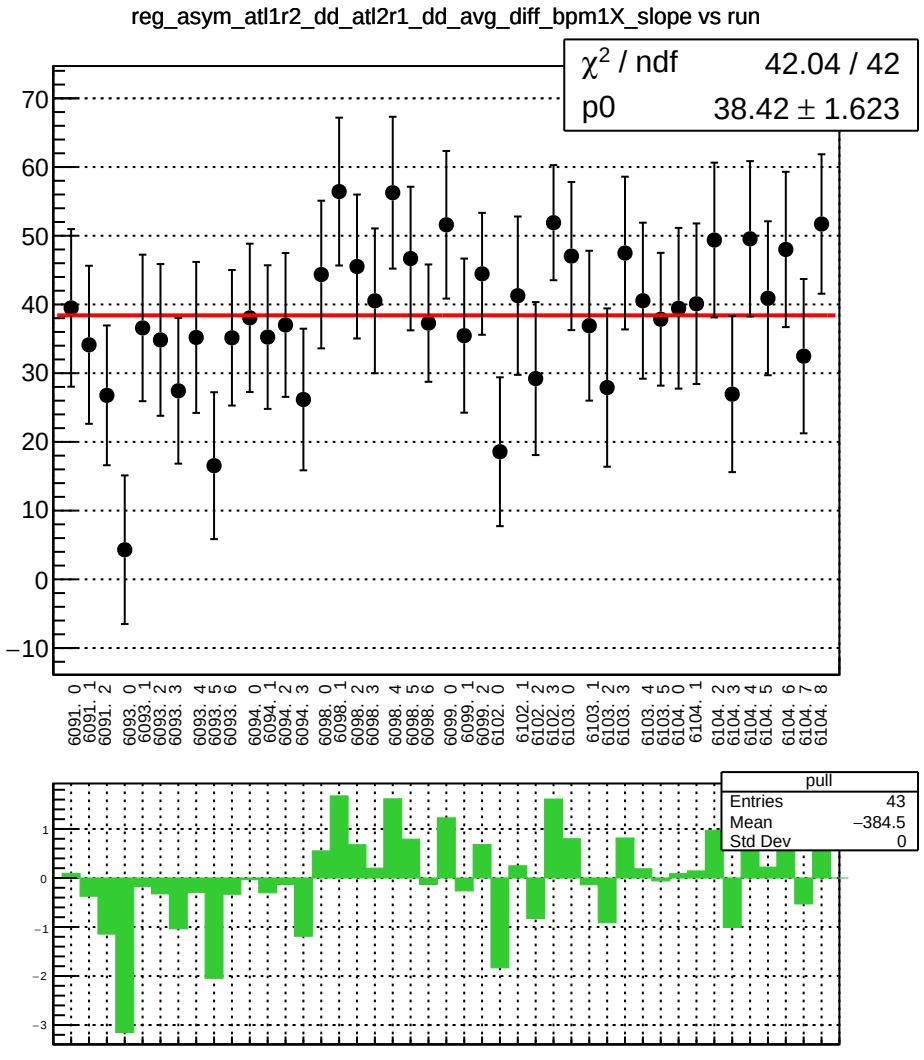

reg_asym_atl1r2_dd_atl2r1_dd_dd_diff_bpm4eX_slope vs run
χ² / ndf 8.246 / 42
p0 −242.4 ± 4.609
−180
−200
−220
−240
−260
−280
−300
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 432.3
Std Dev 0
1
0.5
0
−0.5
−1

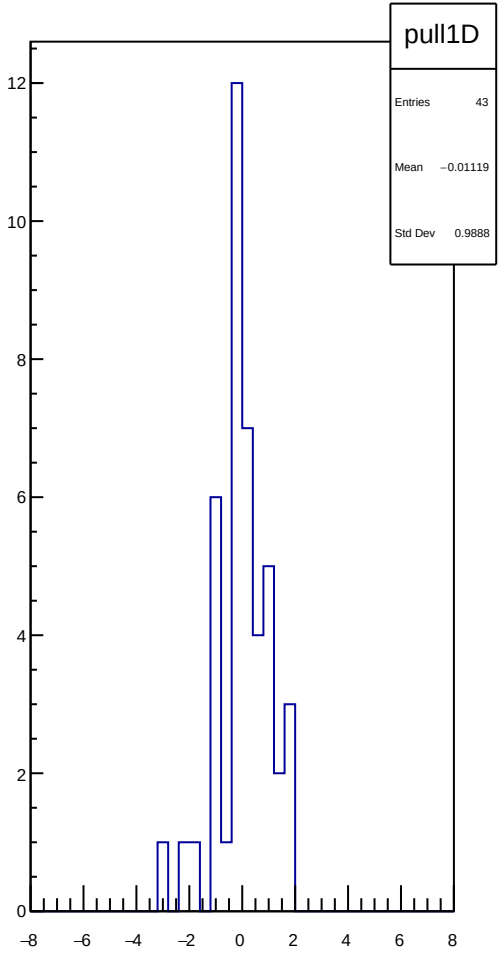

pull1D
Entries 43
Mean −0.002239
Std Dev 0.4379
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

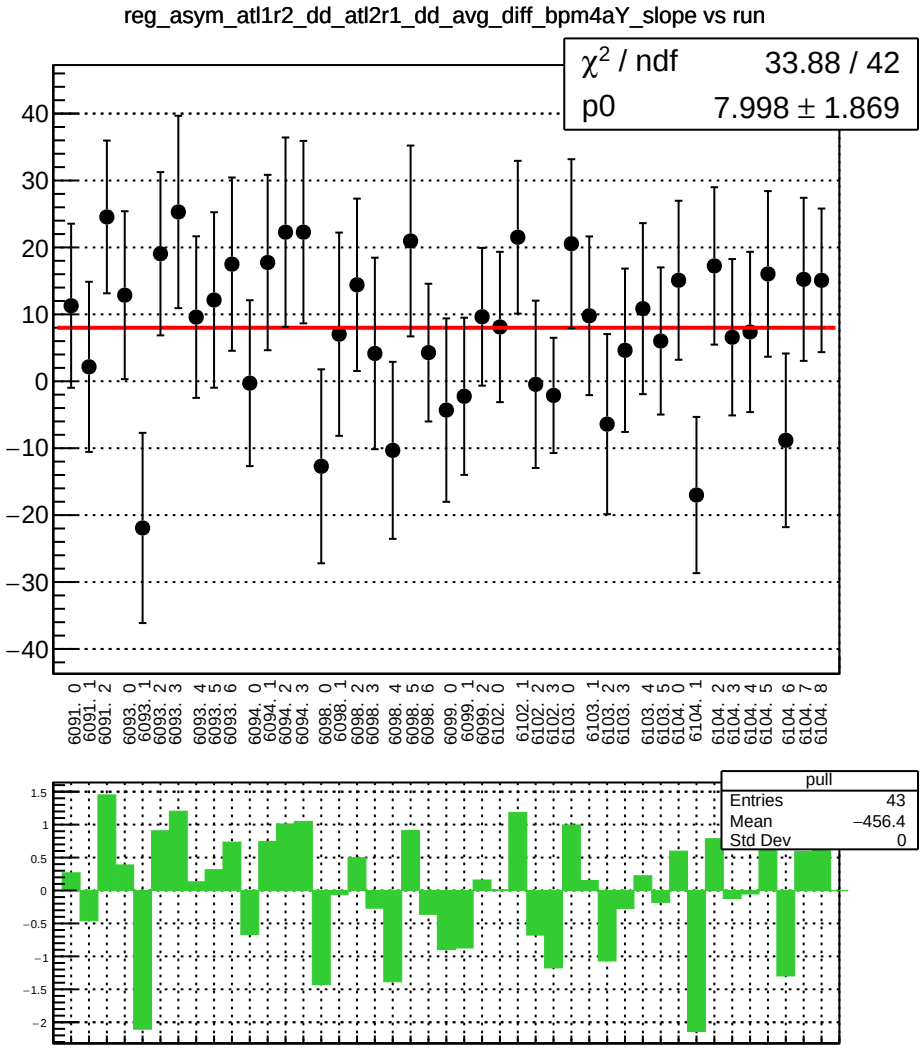

reg_asym_atl1r2_dd_atl2r1_dd_dd_diff_bpm4eY_slope vs run
χ² / ndf 9.648 / 42
p0 −94.23 ± 4.597
pull
Entries 43
Mean 1801
Std Dev 0

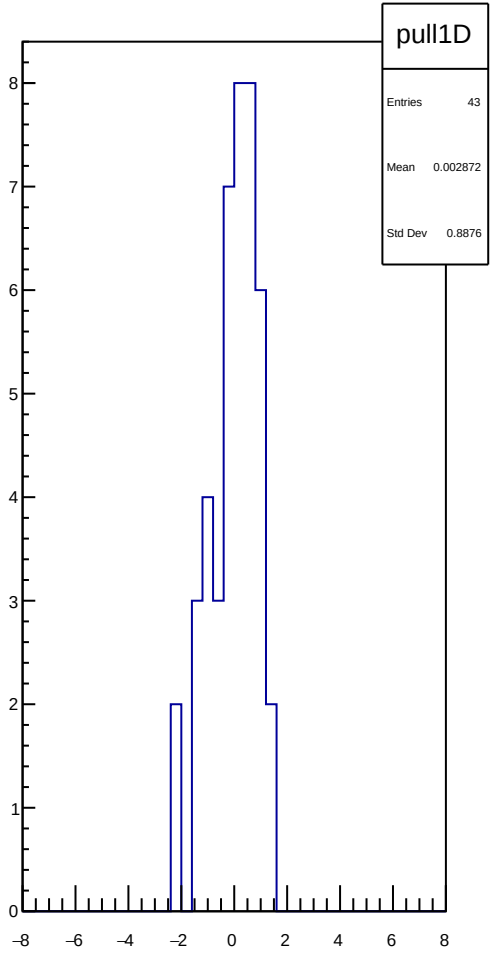

pull1D
Entries 43
Mean 0.001579
Std Dev 0.4737

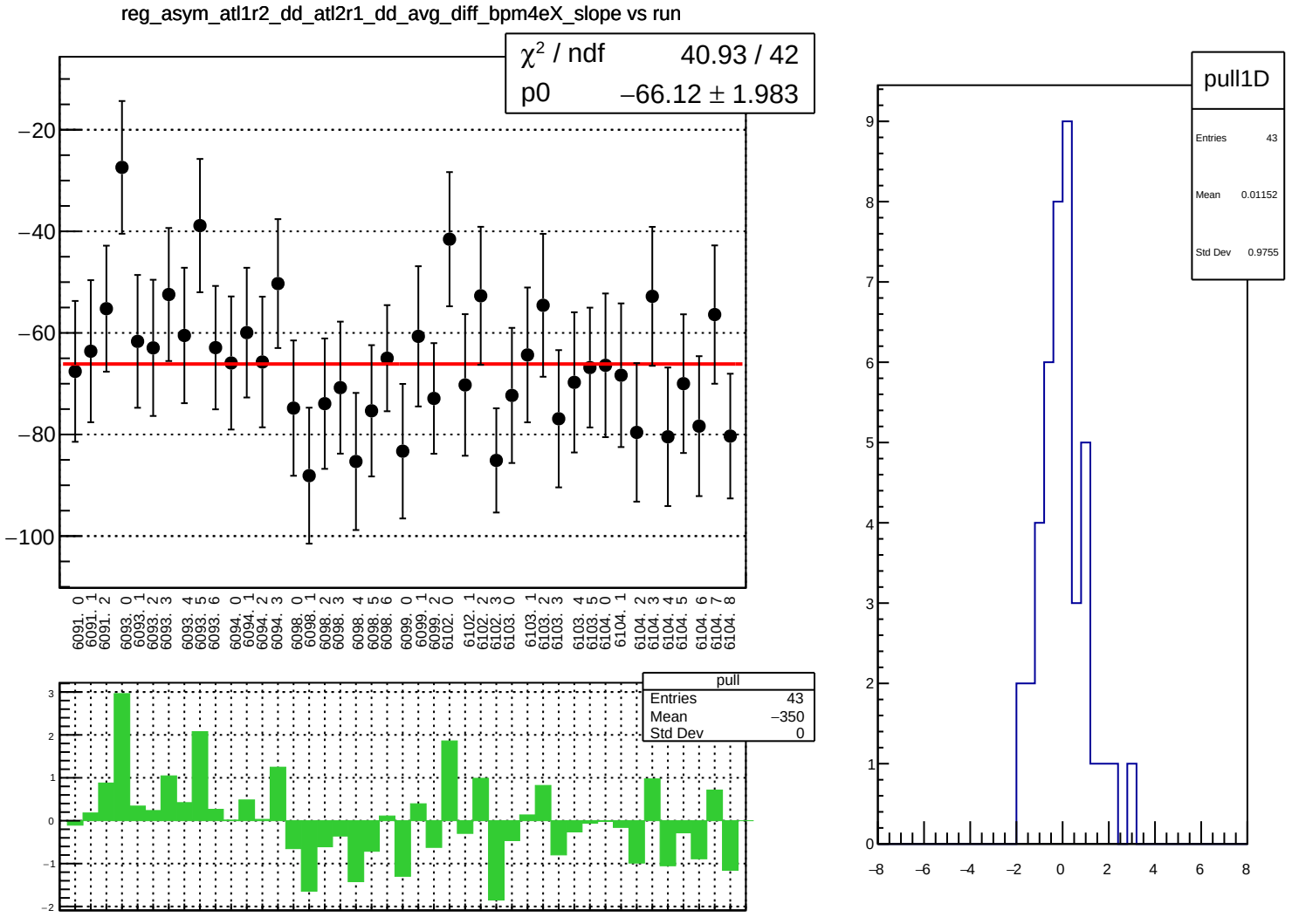

reg_asym_atl1r2_dd_atl2r1_dd_dd_diff_bpm12X_slope vs run
χ² / ndf 13.58 / 42
p0 100.4 ± 0.3488
pull
Entries 43
Mean 779.2
Std Dev 0
pull1D
Entries 43
Mean 0.003913
Std Dev 0.562

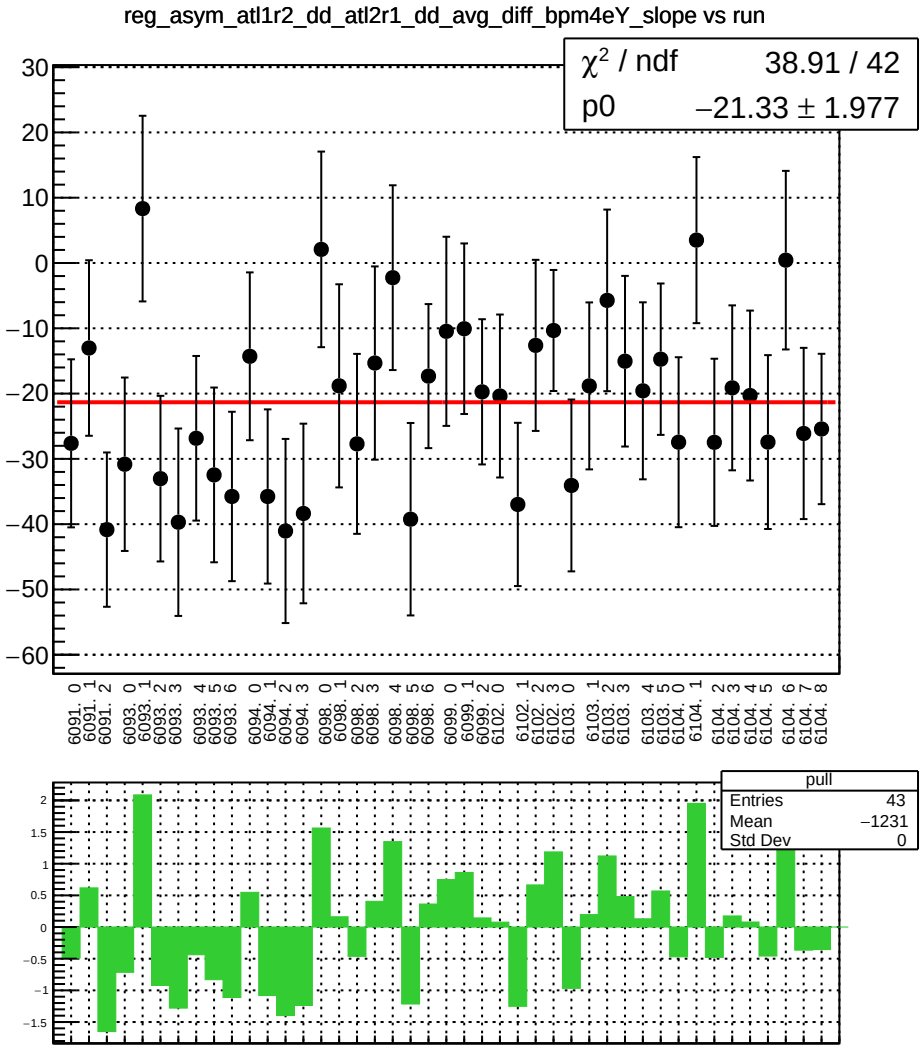

reg_asym_atl1r2_dd_atl2r1_dd_avg_diff_bpm1X_slope vs run
χ² / ndf 42.04 / 42
p0 38.42 ± 1.623
pull
Entries 43
Mean −384.5
Std Dev 0

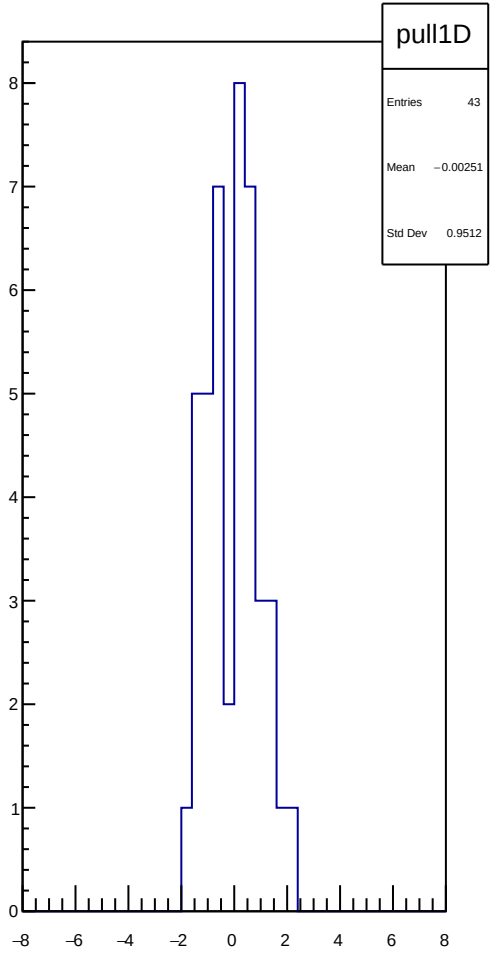

pull1D
Entries 43
Mean −0.01119
Std Dev 0.9888

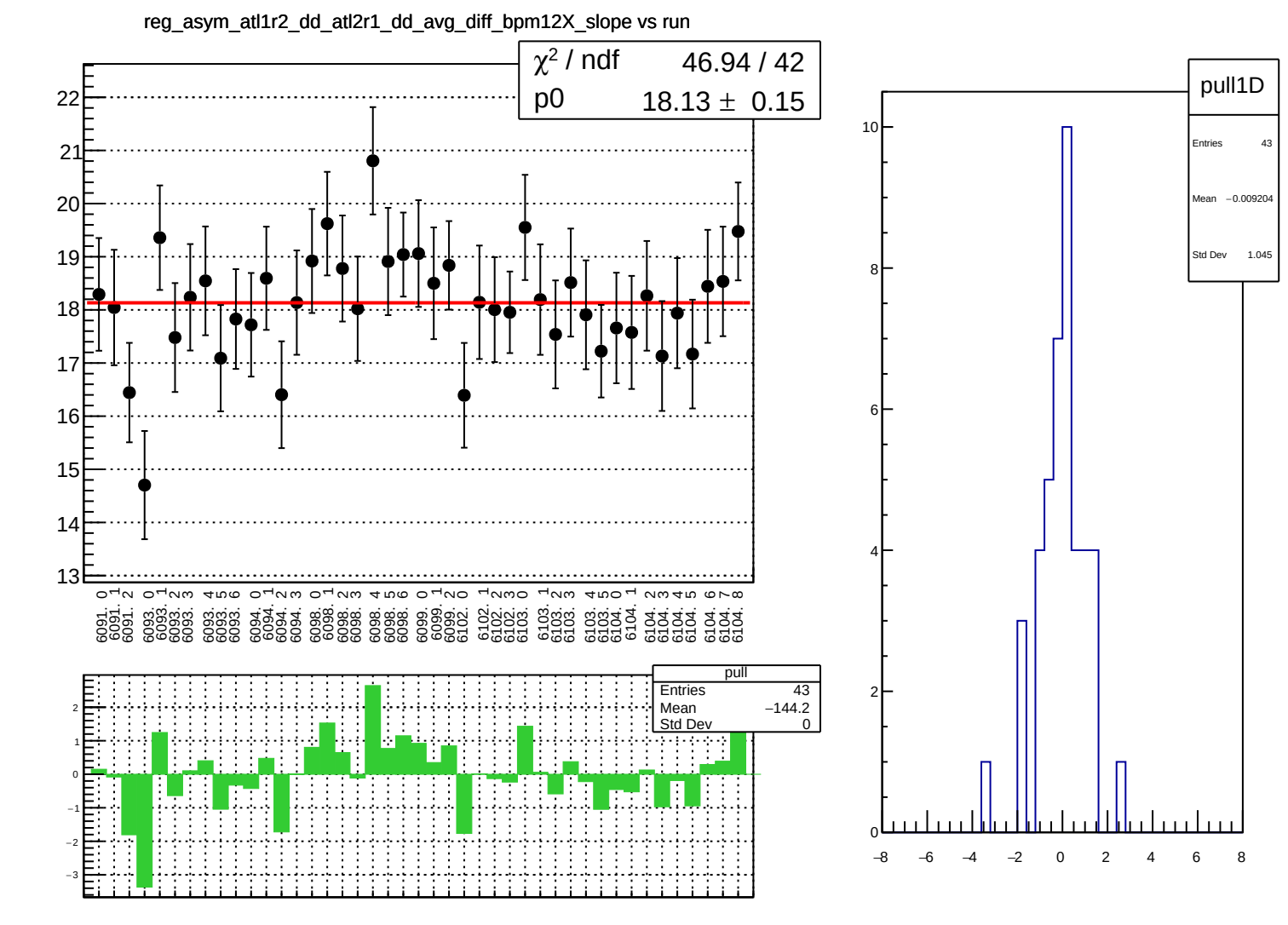

reg_asym_atl1r2_dd_atl2r1_dd_avg_diff_bpm4aY_slope vs run
χ² / ndf 33.88 / 42
p0 7.998 ± 1.869
pull
Entries 43
Mean −456.4
Std Dev 0

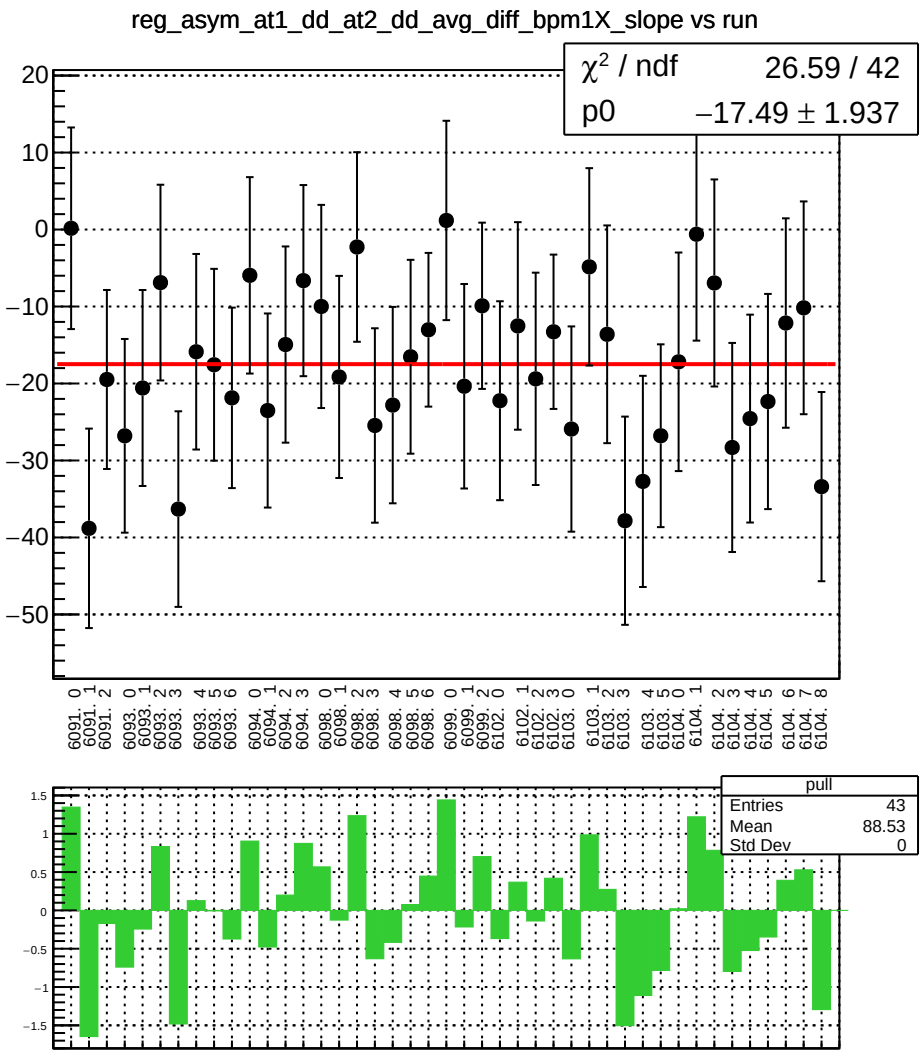

pull1D
Entries 43
Mean 0.002872
Std Dev 0.8876

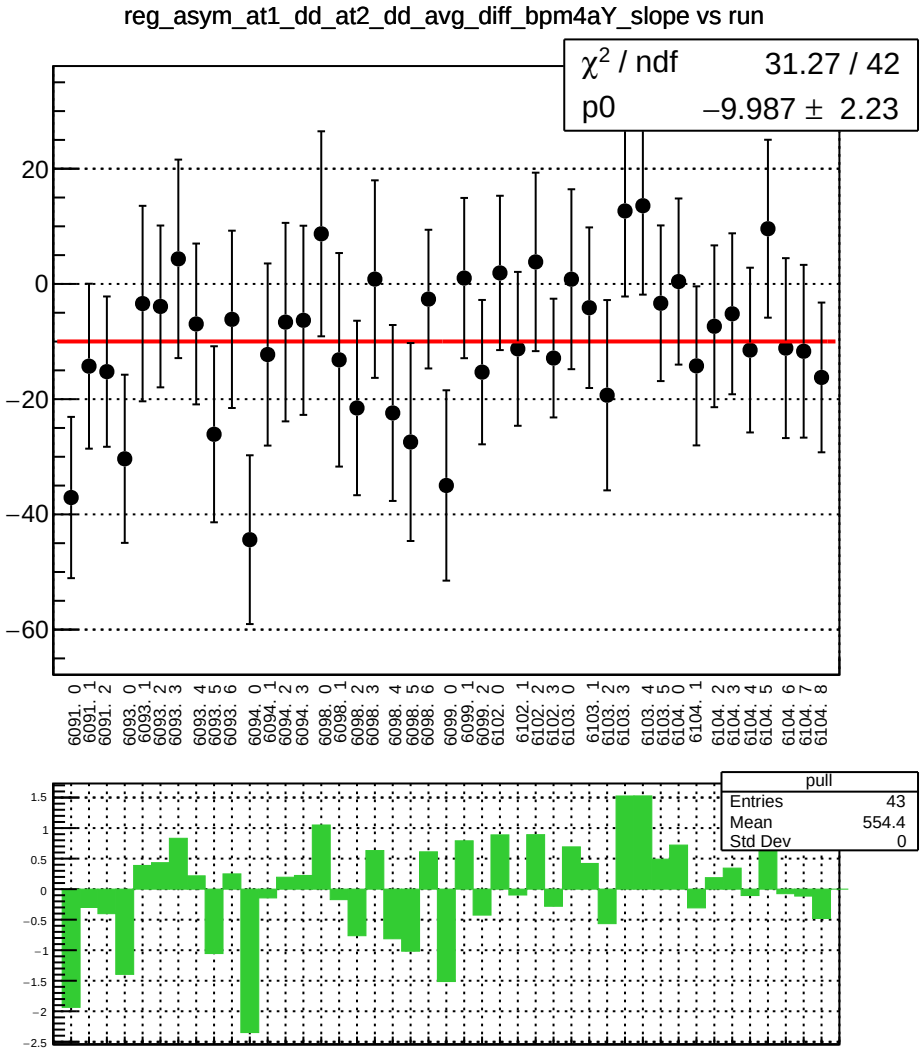

reg_asym_atl1r2_dd_atl2r1_dd_avg_diff_bpm4eX_slope vs run
χ² / ndf 40.93 / 42
p0 −66.12 ± 1.983
−20
−40
−60
−80
−100
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean −350
Std Dev 0
3
2
1
0
−1
−2
pull1D
Entries 43
Mean 0.01152
Std Dev 0.9755
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

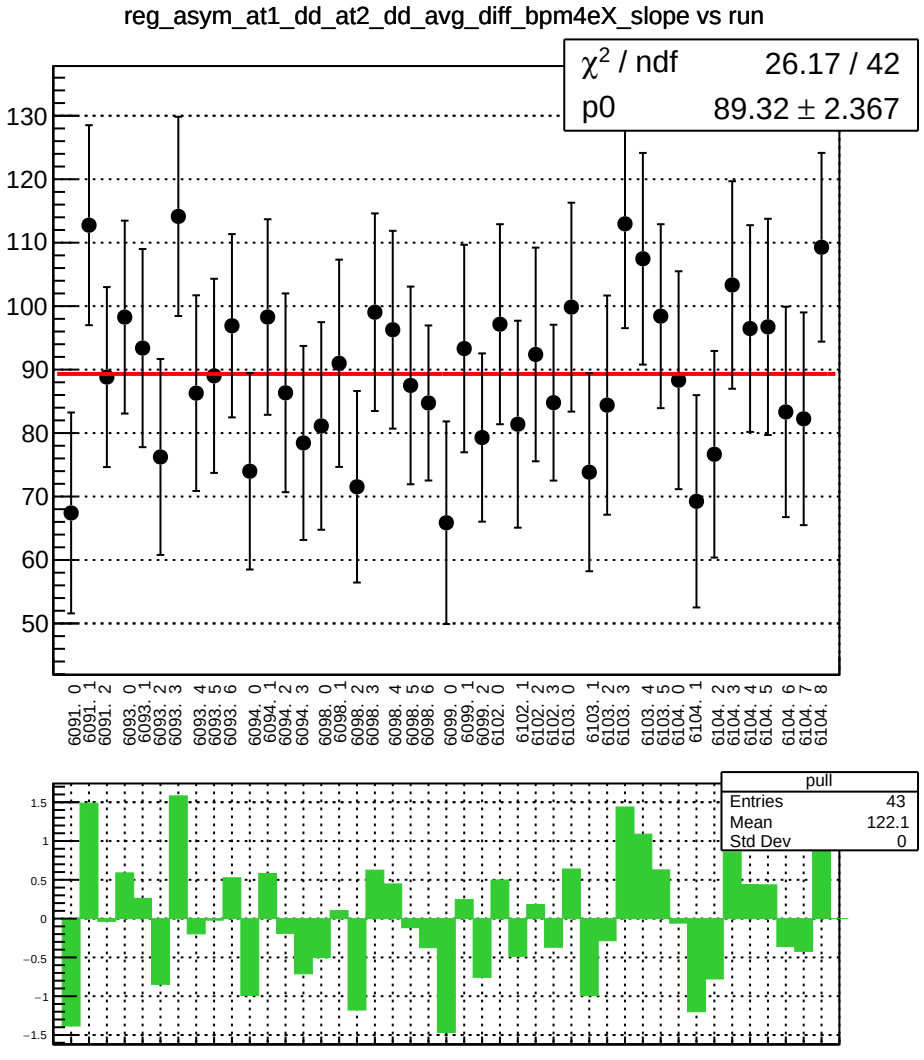

reg_asym_atl1r2_dd_atl2r1_dd_avg_diff_bpm4eY_slope vs run
χ² / ndf 38.91 / 42
p0 −21.33 ± 1.977
pull
Entries 43
Mean −1231
Std Dev 0

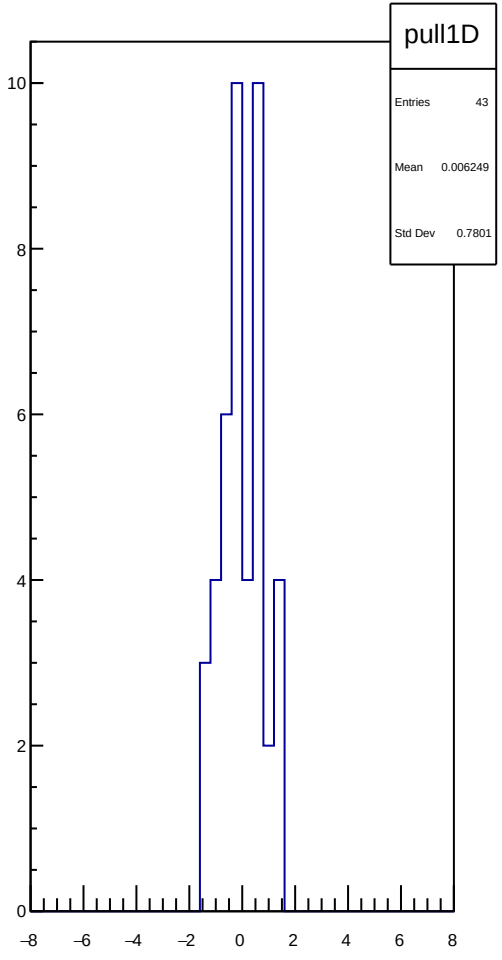

pull1D
Entries 43
Mean −0.00251
Std Dev 0.9512

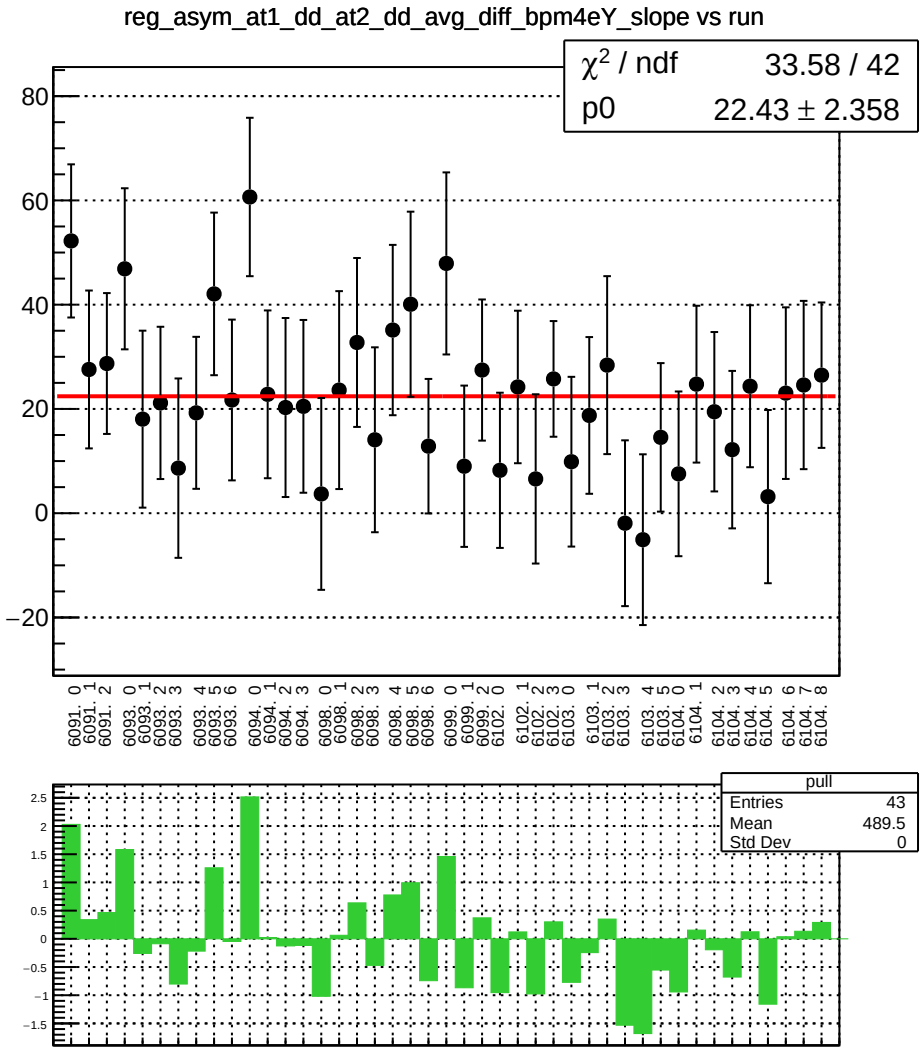

reg_asym_atl1r2_dd_atl2r1_dd_avg_diff_bpm12X_slope vs run
χ² / ndf 46.94 / 42
p0 18.13 ± 0.15
pull
Entries 43
Mean −144.2
Std Dev 0
pull1D
Entries 43
Mean −0.009204
Std Dev 1.045

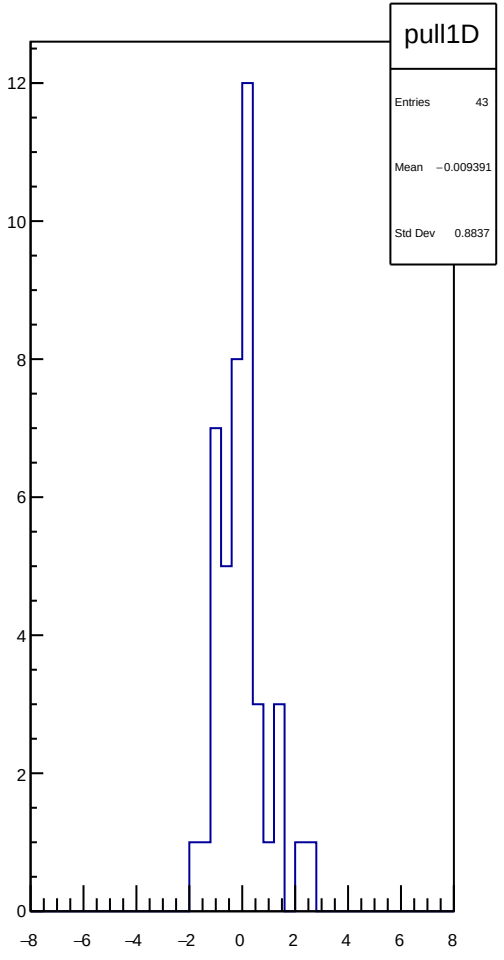

reg_asym_at1_dd_at2_dd_avg_diff_bpm1X_slope vs run
χ² / ndf 26.59 / 42
p0 −17.49 ± 1.937
pull
Entries 43
Mean 88.53
Std Dev 0
pull1D
Entries 43
Mean −0.006388
Std Dev 0.7863

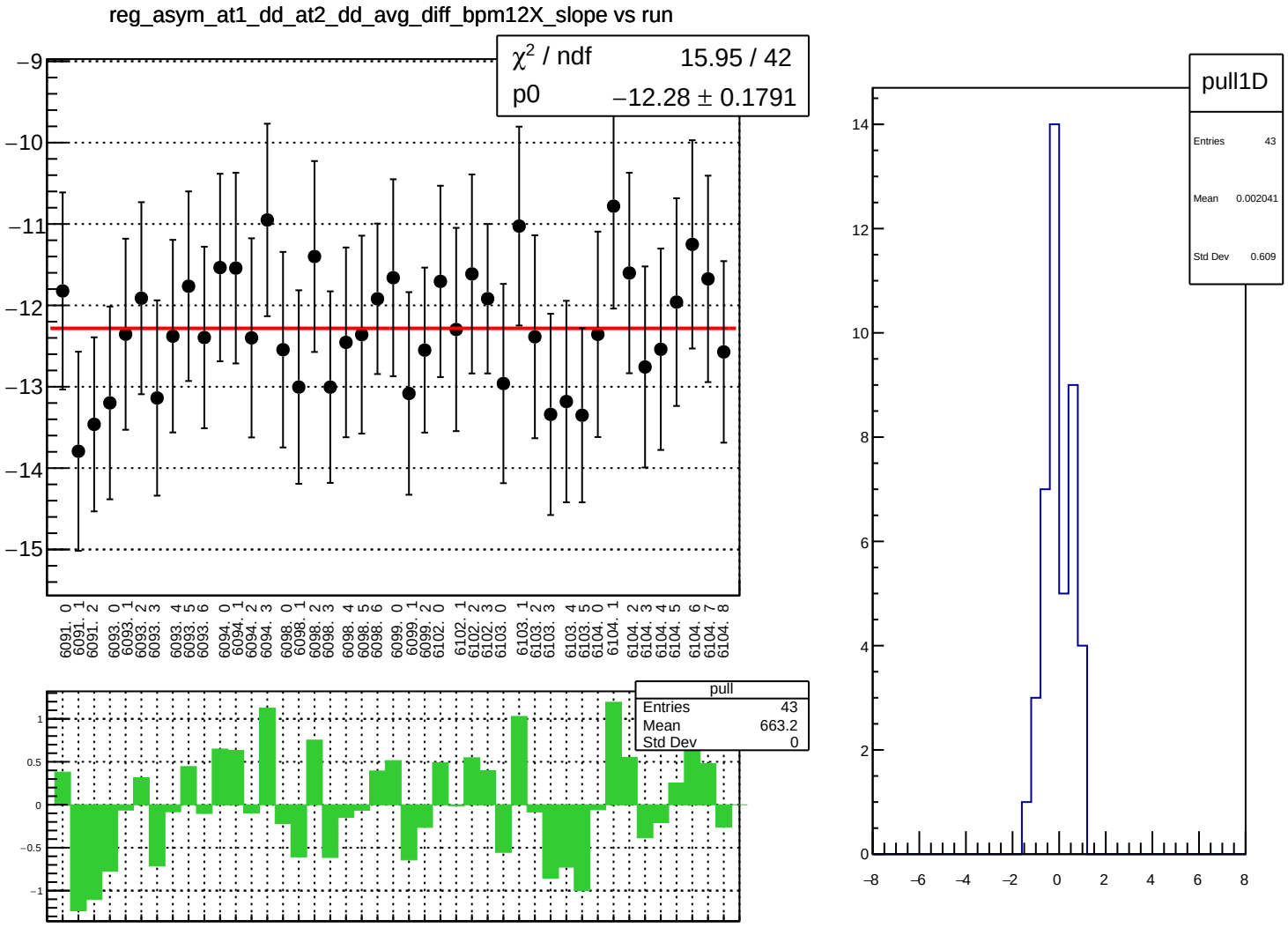

reg_asym_at1_dd_at2_dd_avg_diff_bpm4aY_slope vs run
χ² / ndf 31.27 / 42
p0 −9.987 ± 2.23
pull
Entries 43
Mean 554.4
Std Dev 0
pull1D
Entries 43
Mean 0.006561
Std Dev 0.8528

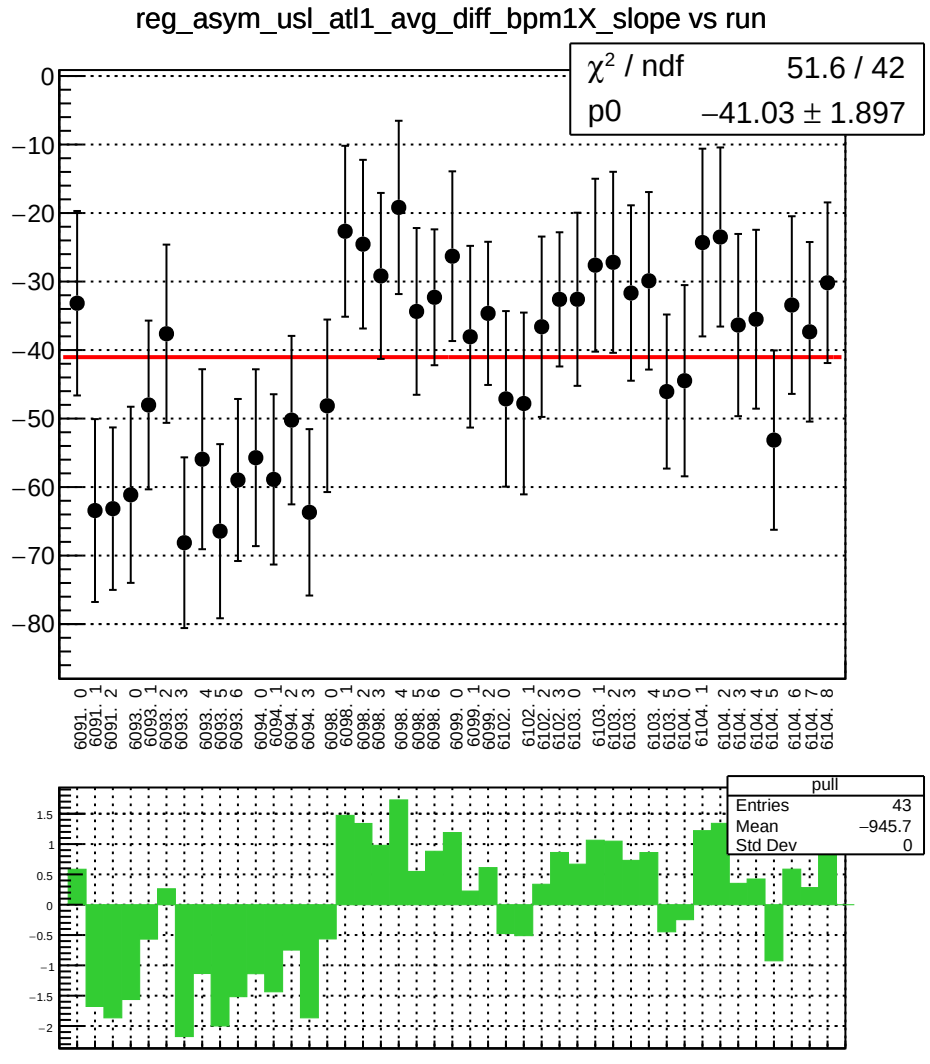

reg_asym_at1_dd_at2_dd_avg_diff_bpm4eX_slope vs run
χ² / ndf 26.17 / 42
p0 89.32 ± 2.367
130
120
110
100
90
80
70
60
50
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 122.1
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5

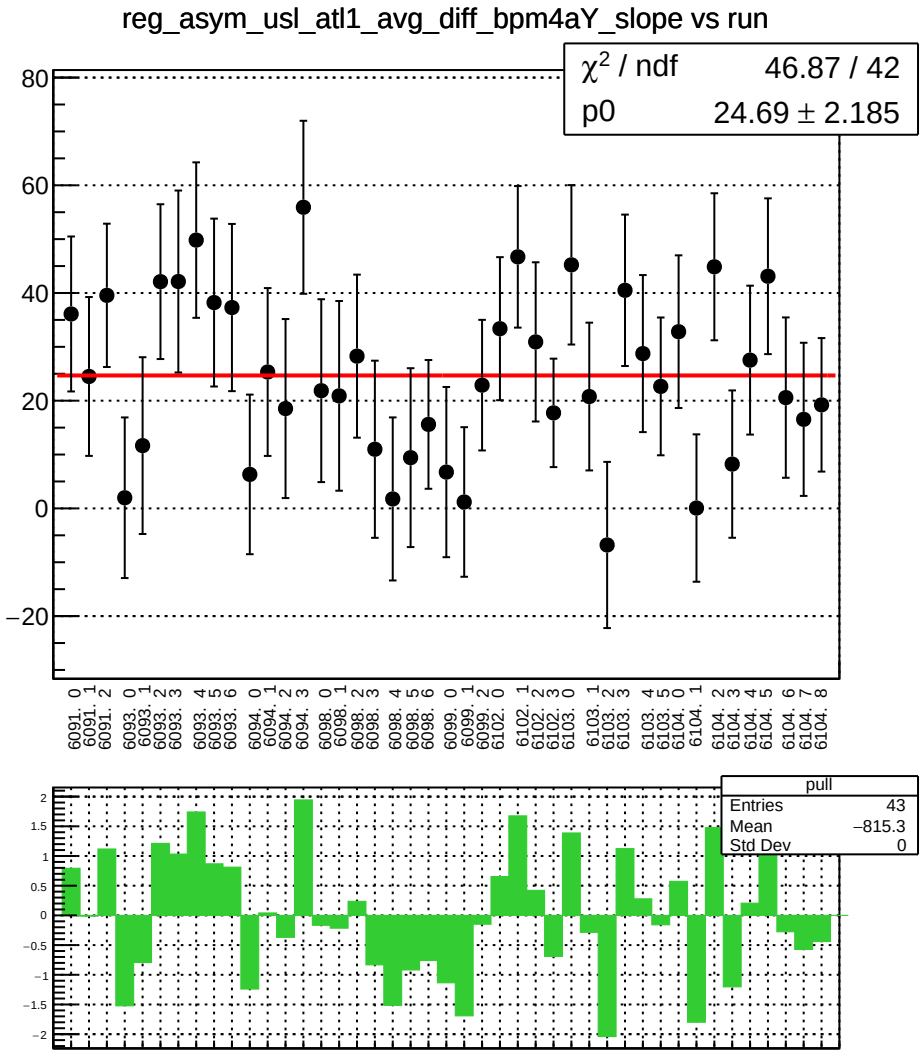

pull1D
Entries 43
Mean 0.006249
Std Dev 0.7801
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

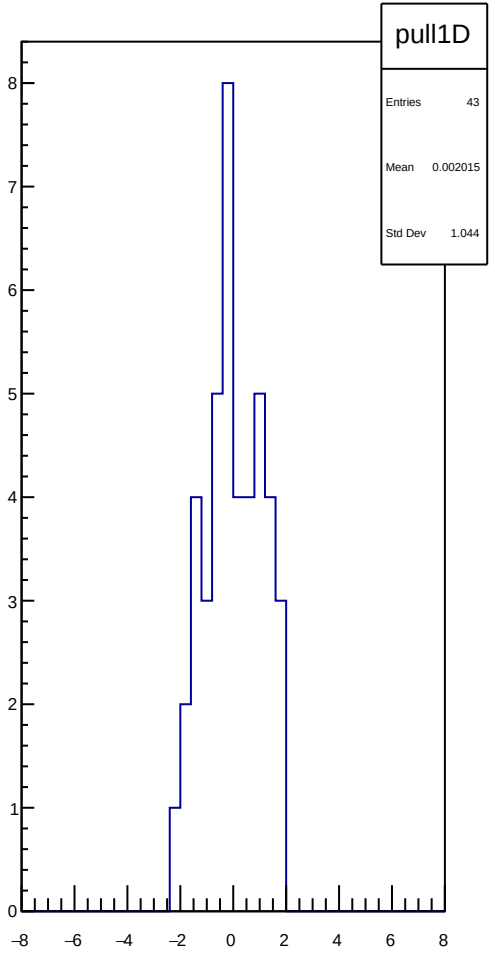

reg_asym_at1_dd_at2_dd_avg_diff_bpm4eY_slope vs run
χ² / ndf 33.58 / 42
p0 22.43 ± 2.358
pull
Entries 43
Mean 489.5
Std Dev 0

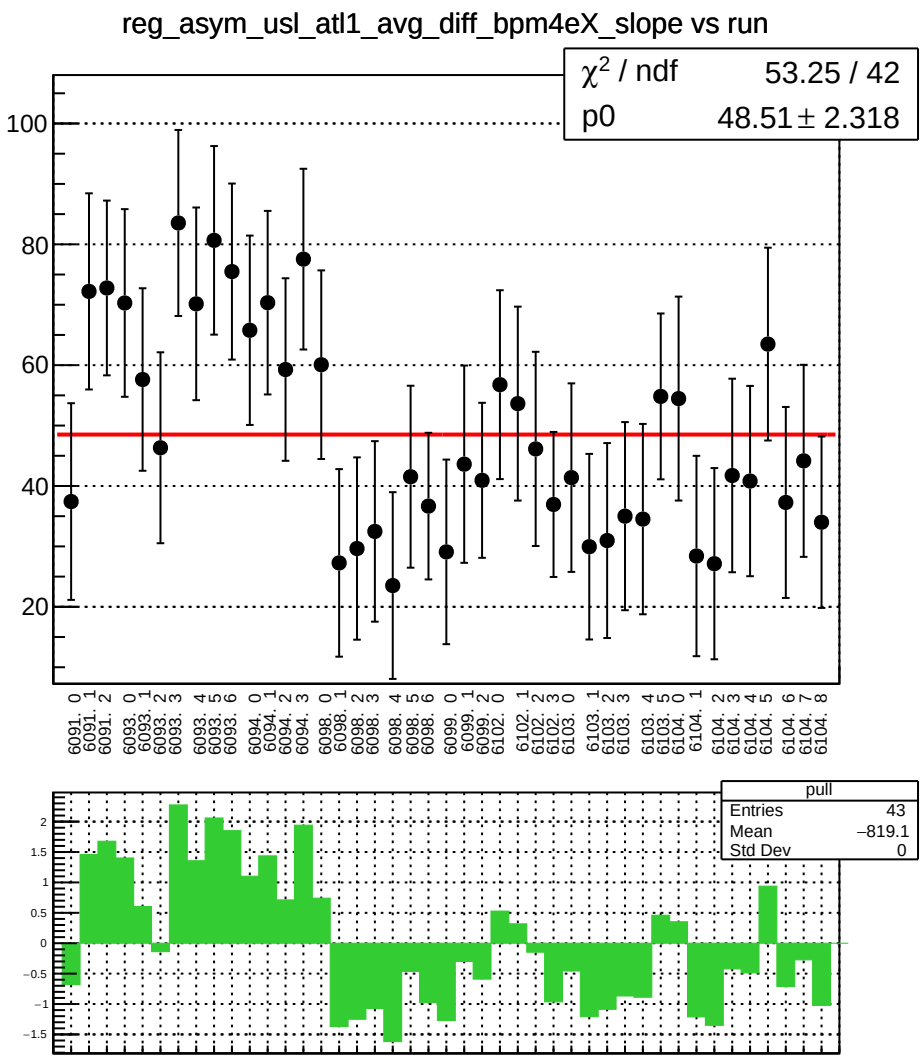

pull1D
Entries 43
Mean −0.009391
Std Dev 0.8837

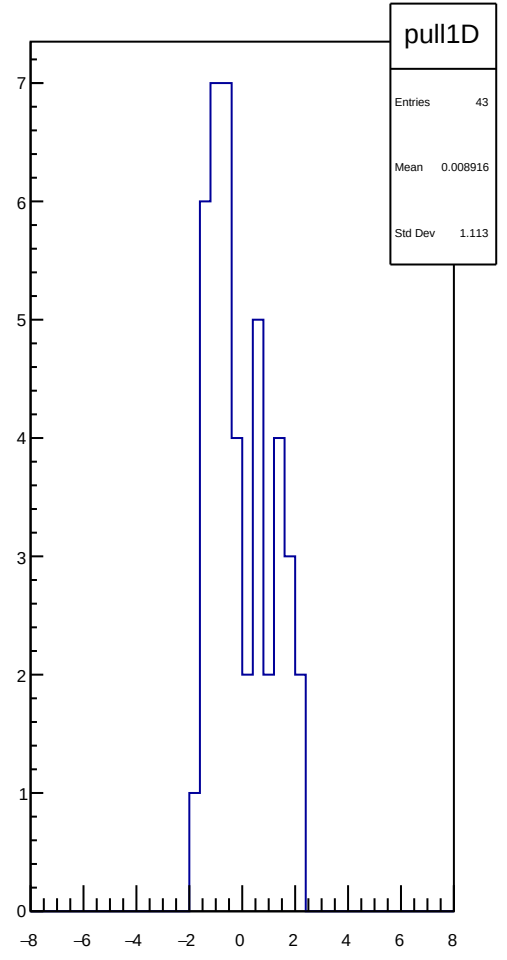

reg_asym_at1_dd_at2_dd_avg_diff_bpm12X_slope vs run
χ² / ndf 15.95 / 42
p0 −12.28 ± 0.1791
pull
Entries 43
Mean 663.2
Std Dev 0
pull1D
Entries 43
Mean 0.002041
Std Dev 0.609

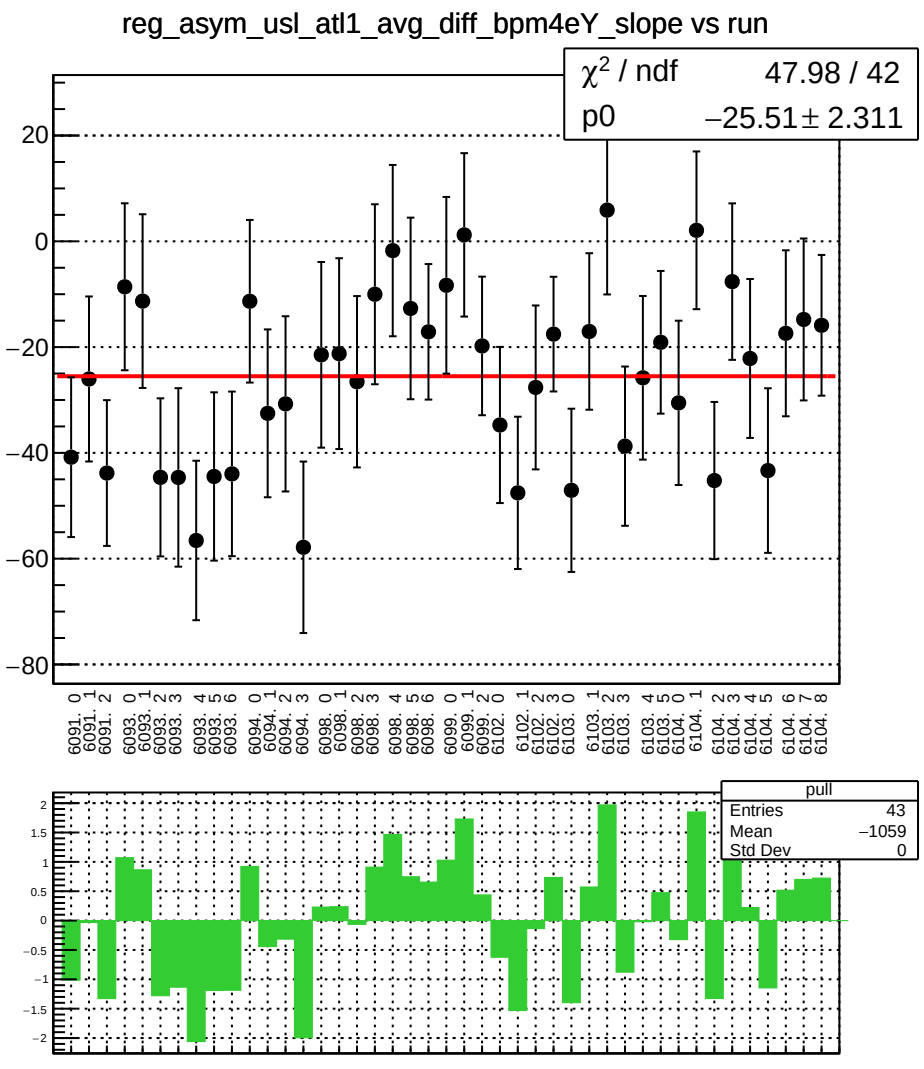

reg_asym_usl_atl1_avg_diff_bpm1X_slope vs run
χ² / ndf 51.6 / 42
p0 −41.03 ± 1.897
pull
Entries 43
Mean −945.7
Std Dev 0
pull1D
Entries 43
Mean −0.007553
Std Dev 1.095

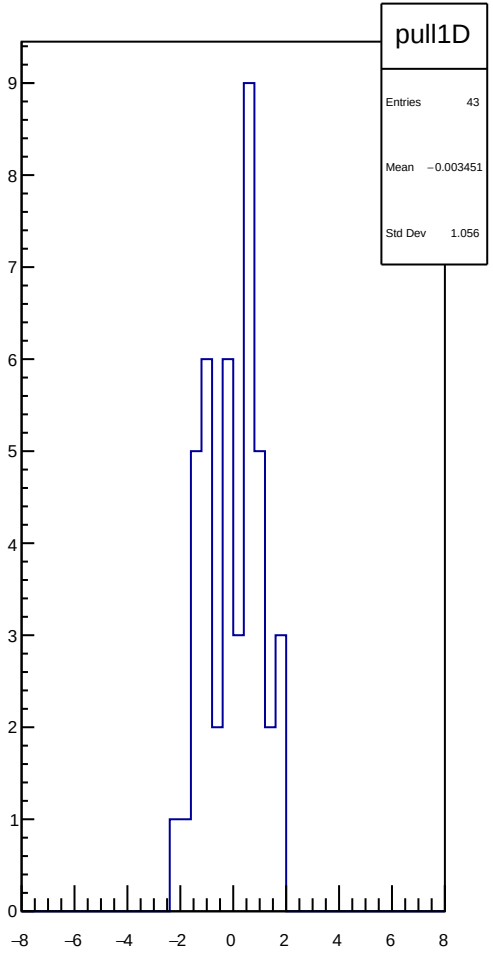

reg_asym_usl_atl1_avg_diff_bpm4aY_slope vs run
χ² / ndf 46.87 / 42
p0 24.69 ± 2.185
pull
Entries 43
Mean −815.3
Std Dev 0

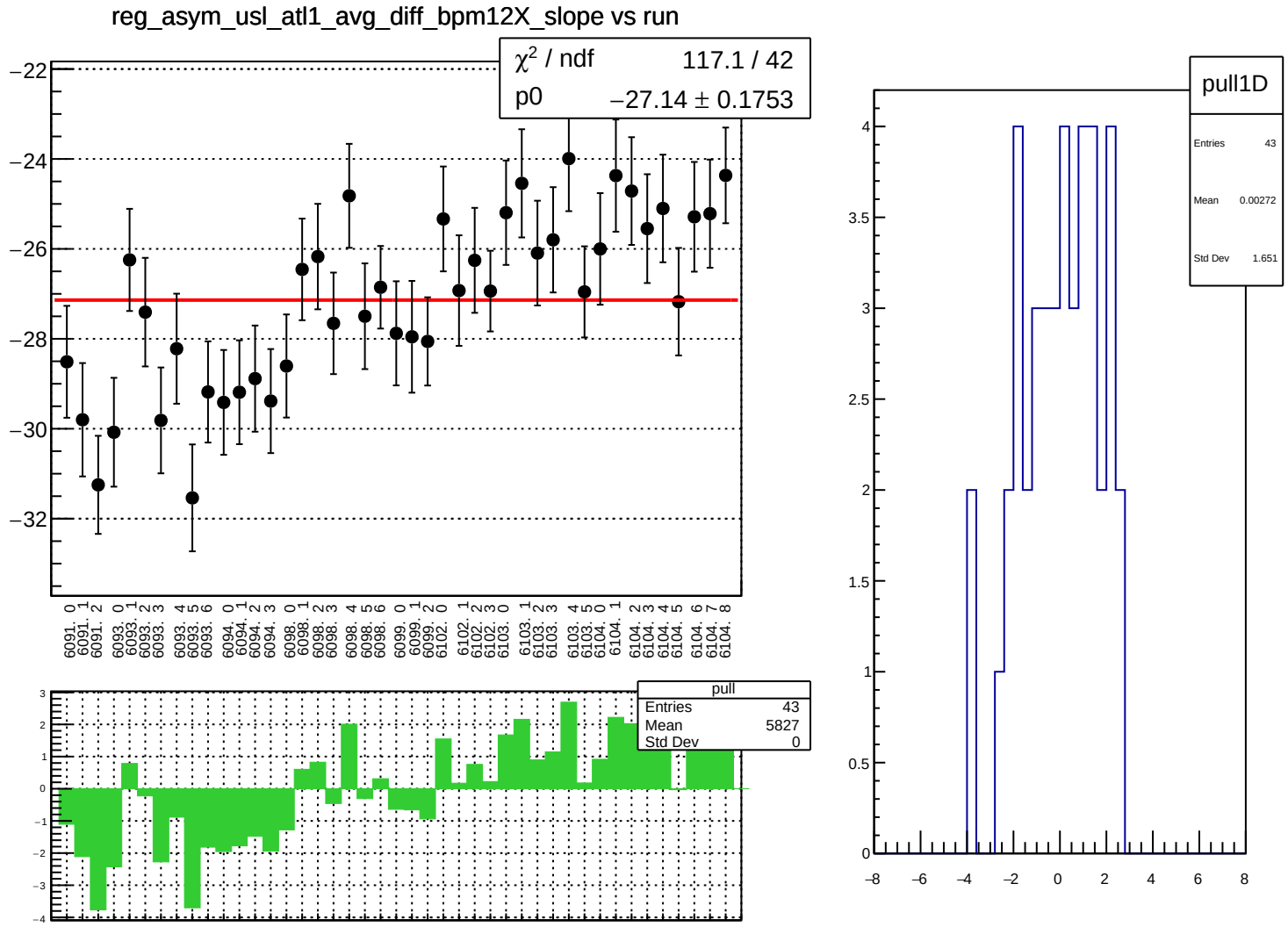

pull1D
Entries 43
Mean 0.002015
Std Dev 1.044

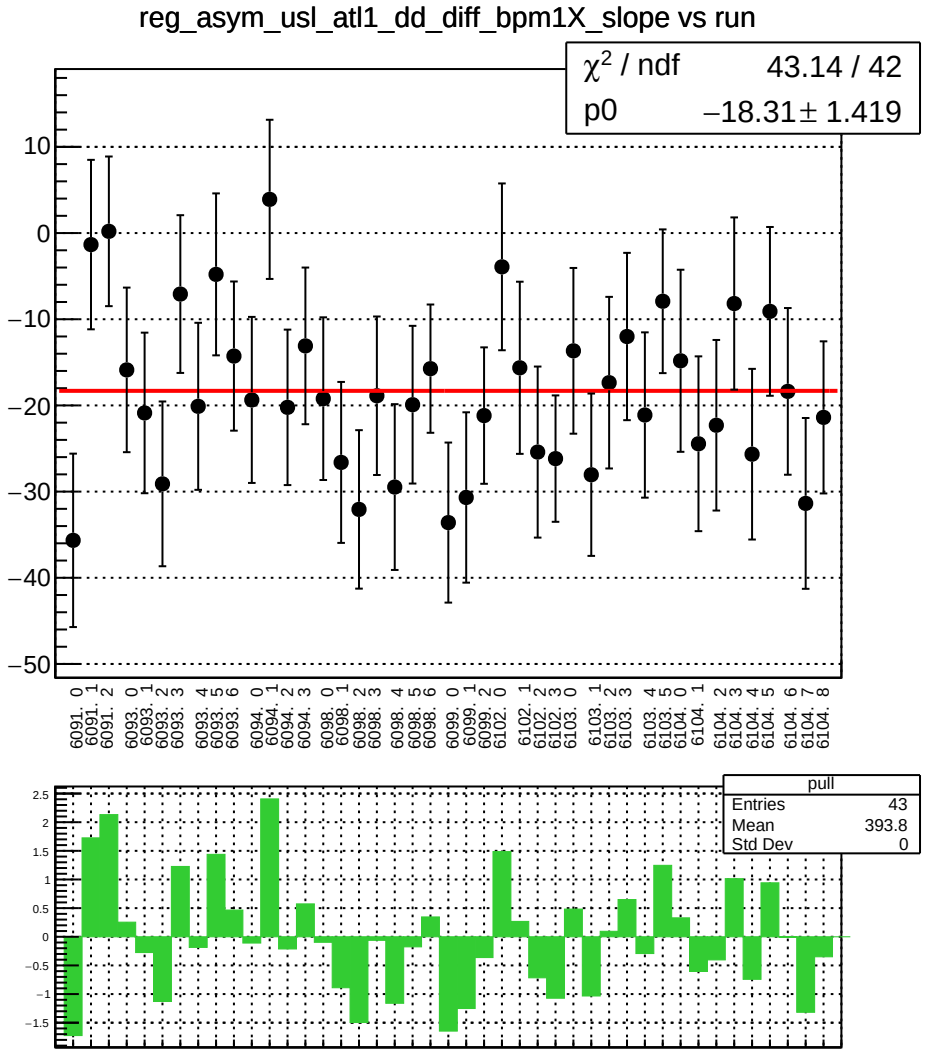

reg_asym_usl_atl1_avg_diff_bpm4eX_slope vs run
χ² / ndf 53.25 / 42
p0 48.51 ± 2.318
100
80
60
40
20
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean −819.1
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5

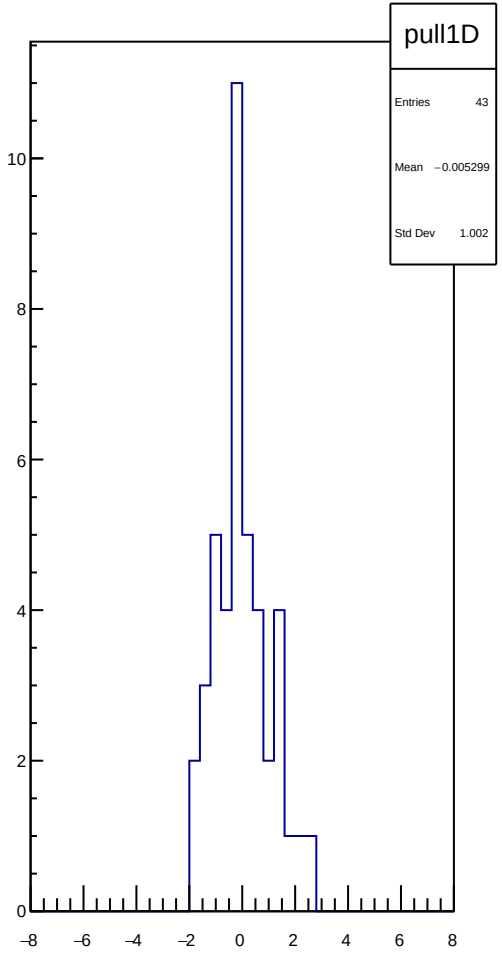

pull1D
Entries 43
Mean 0.008916
Std Dev 1.113
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

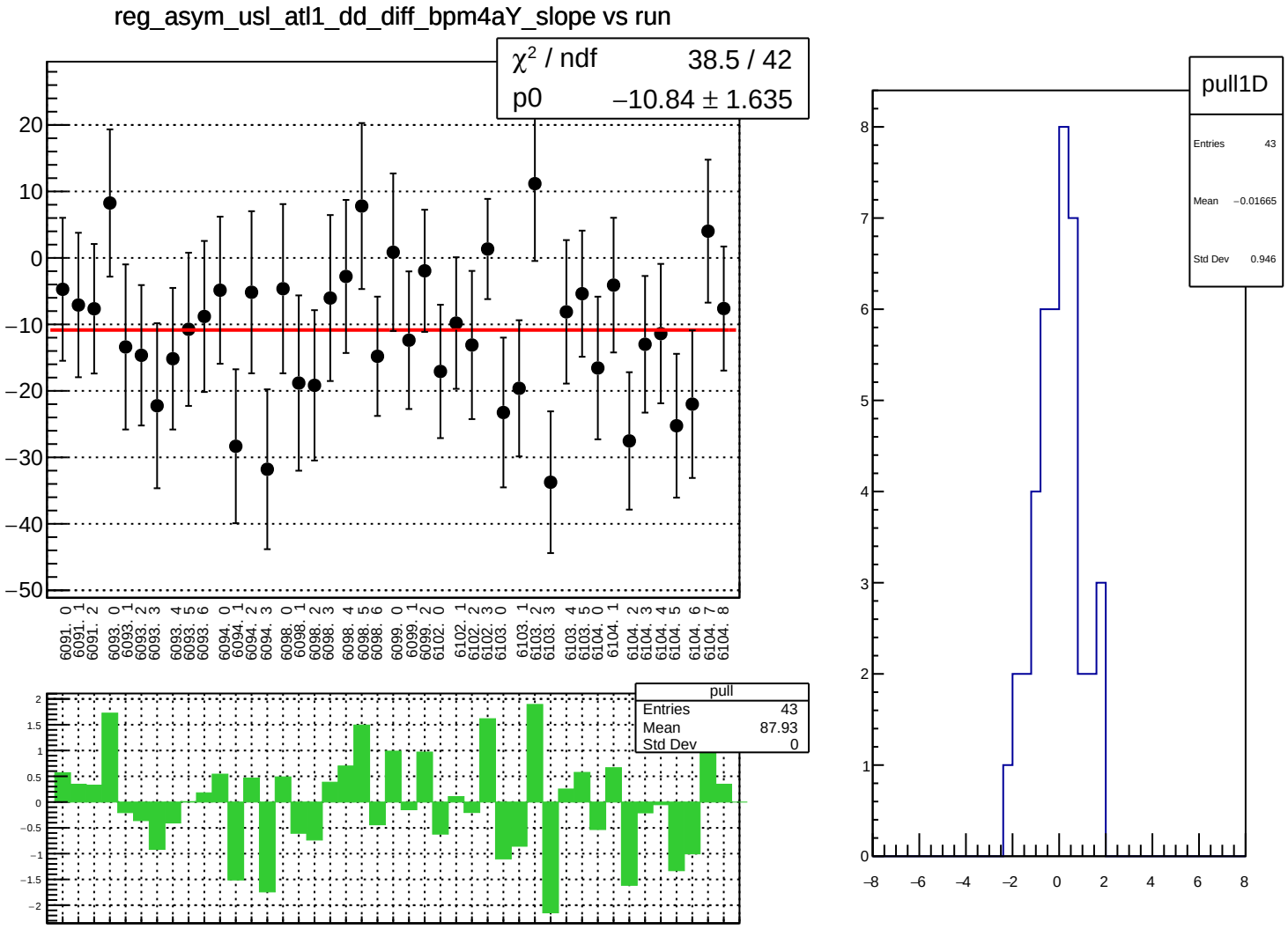

reg_asym_usl_atl1_avg_diff_bpm4eY_slope vs run
χ² / ndf 47.98 / 42
p0 −25.51 ± 2.311
20
0
−20
−40
−60
−80
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean −1059
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

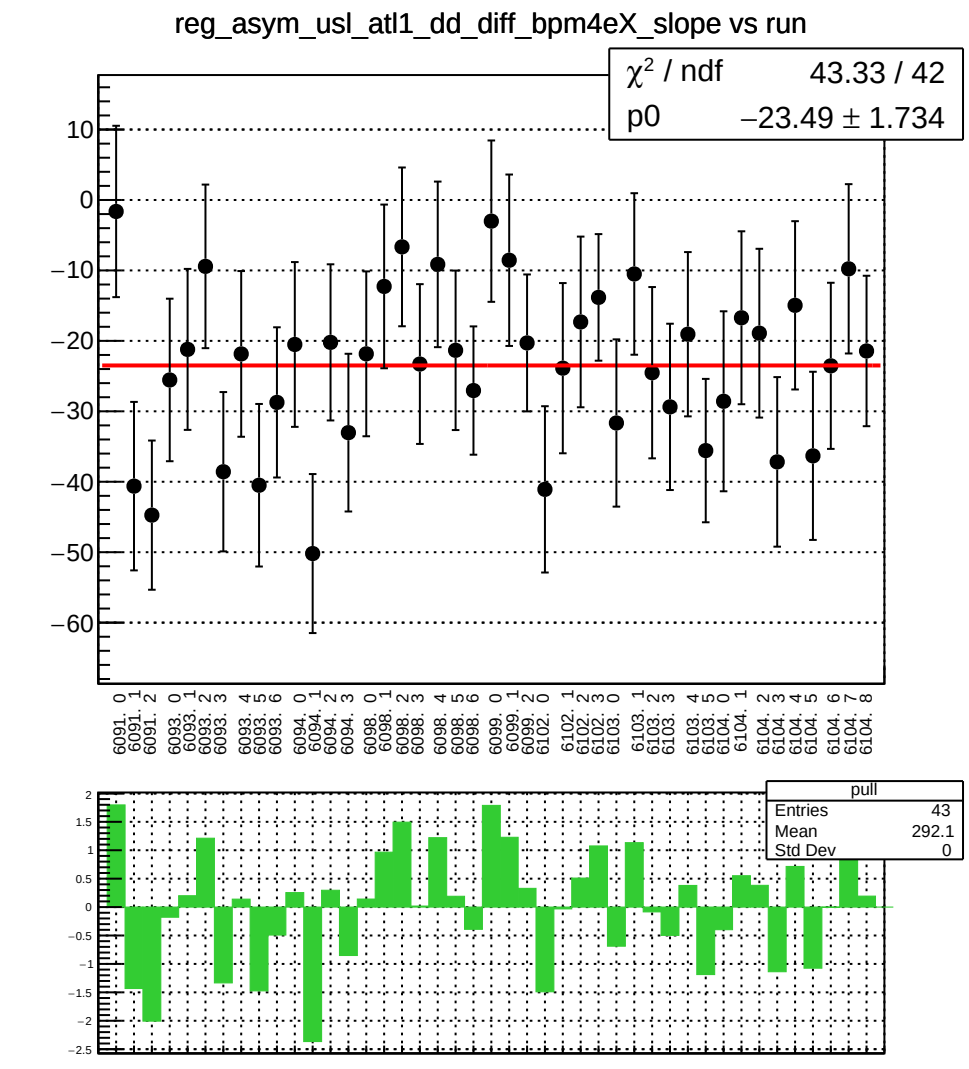

pull1D
Entries 43
Mean −0.003451
Std Dev 1.056
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

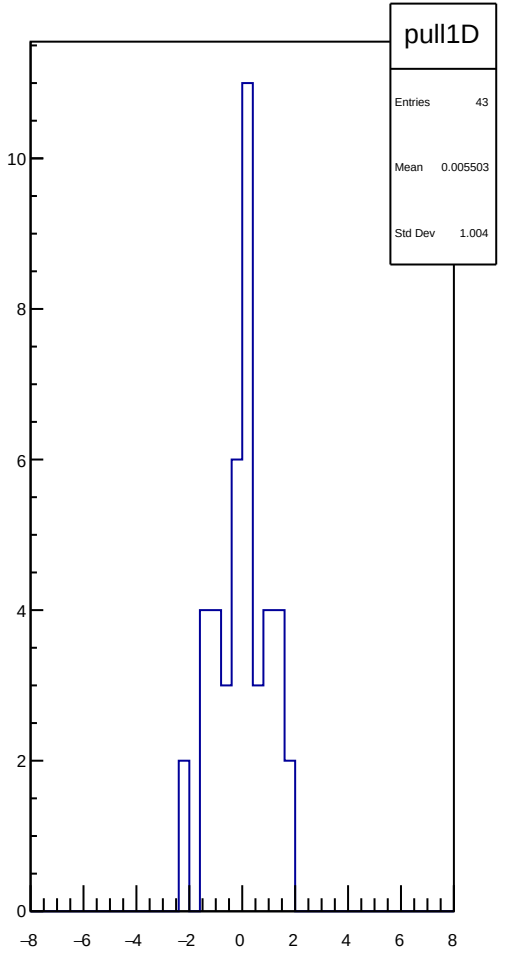

reg_asym_usl_atl1_avg_diff_bpm12X_slope vs run
χ² / ndf 117.1 / 42
p0 −27.14 ± 0.1753
pull
Entries 43
Mean 5827
Std Dev 0
pull1D
Entries 43
Mean 0.00272
Std Dev 1.651

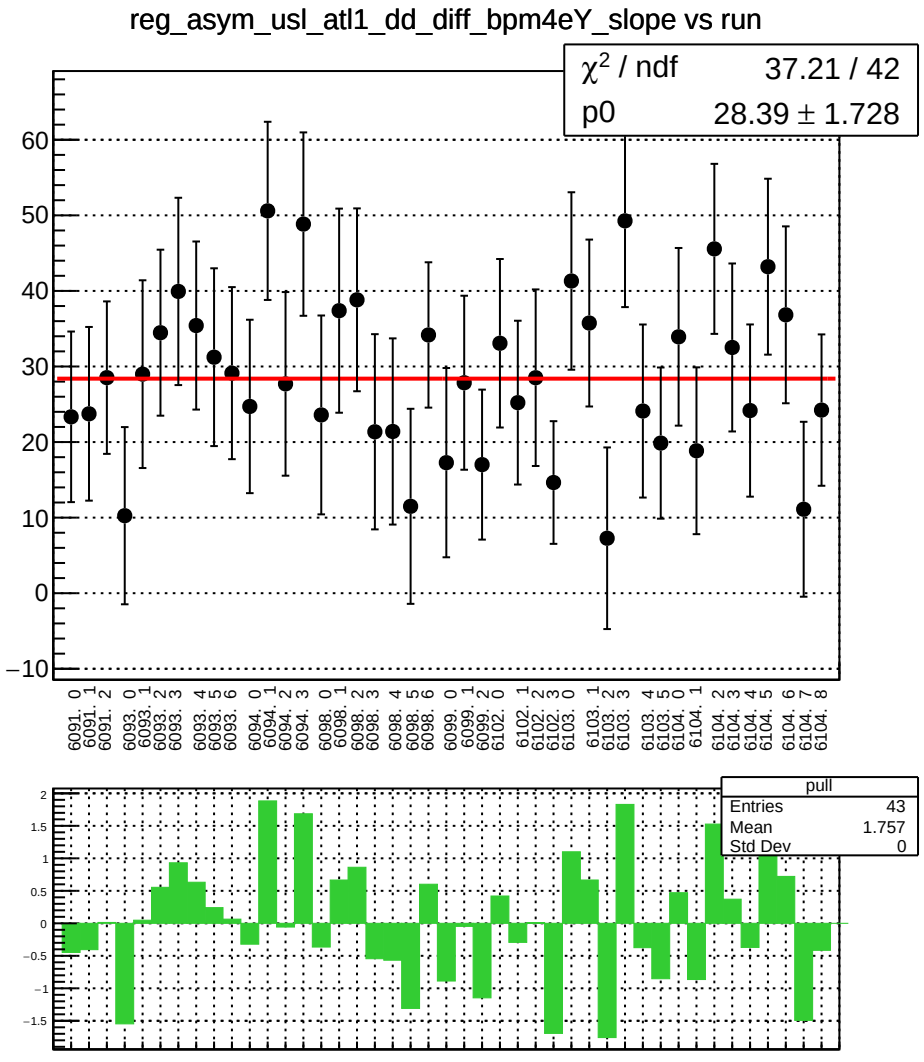

reg_asym_usl_atl1_dd_diff_bpm1X_slope vs run
χ² / ndf 43.14 / 42
p0 −18.31± 1.419
pull
Entries 43
Mean 393.8
Std Dev 0

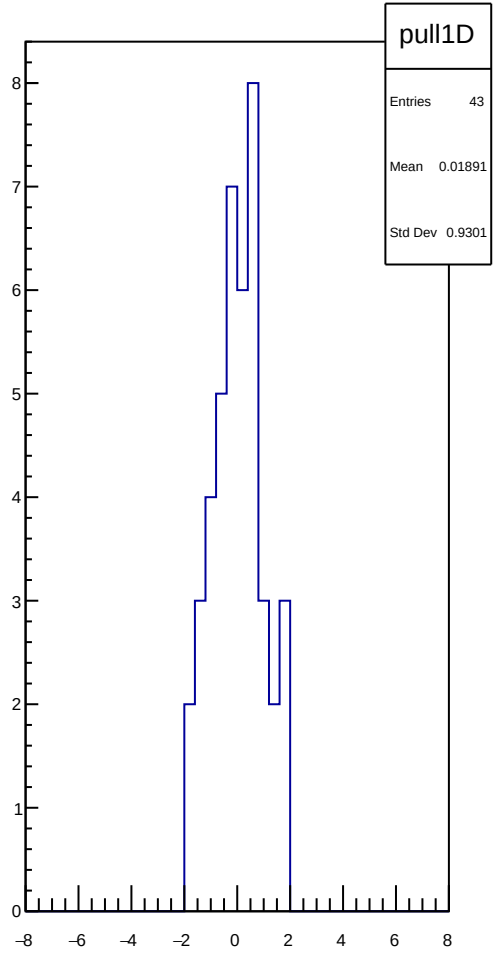

pull1D
Entries 43
Mean −0.005299
Std Dev 1.002

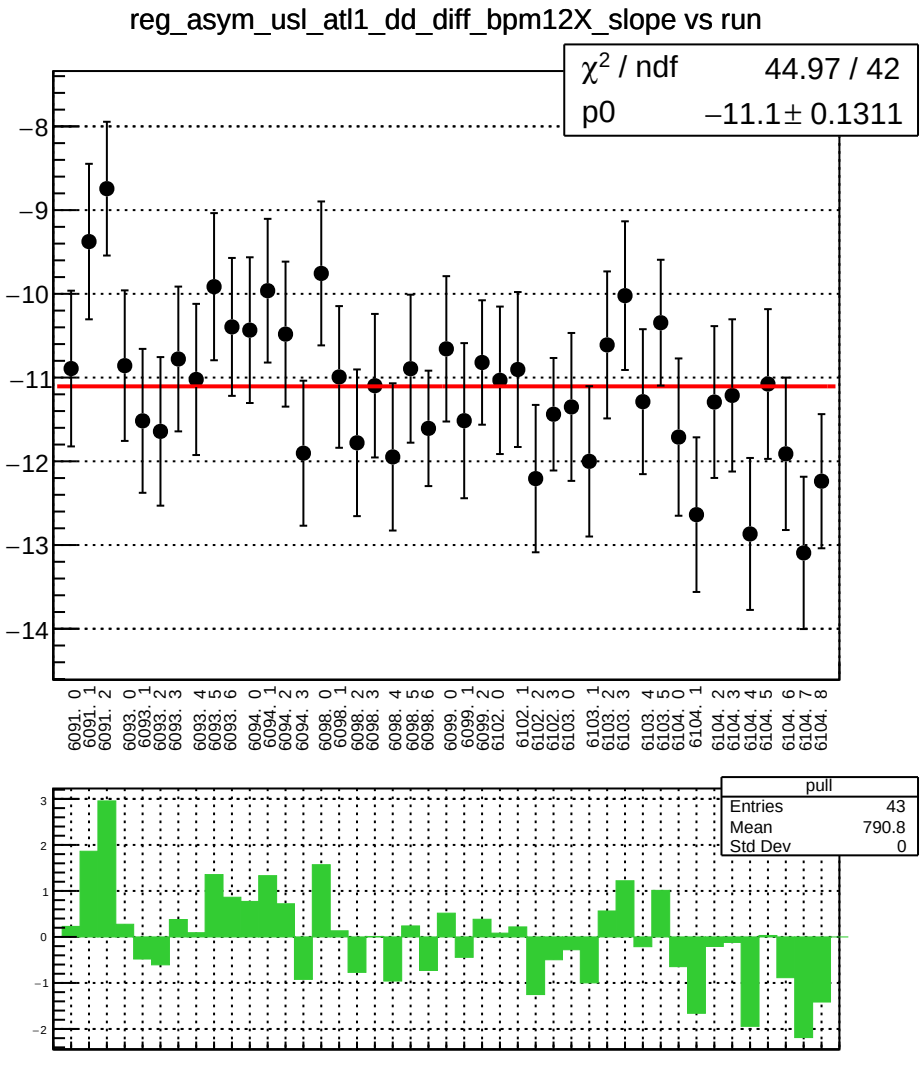

reg_asym_usl_atl1_dd_diff_bpm4aY_slope vs run
χ² / ndf 38.5 / 42
p0 −10.84 ± 1.635
pull
Entries 43
Mean 87.93
Std Dev 0
pull1D
Entries 43
Mean −0.01665
Std Dev 0.946

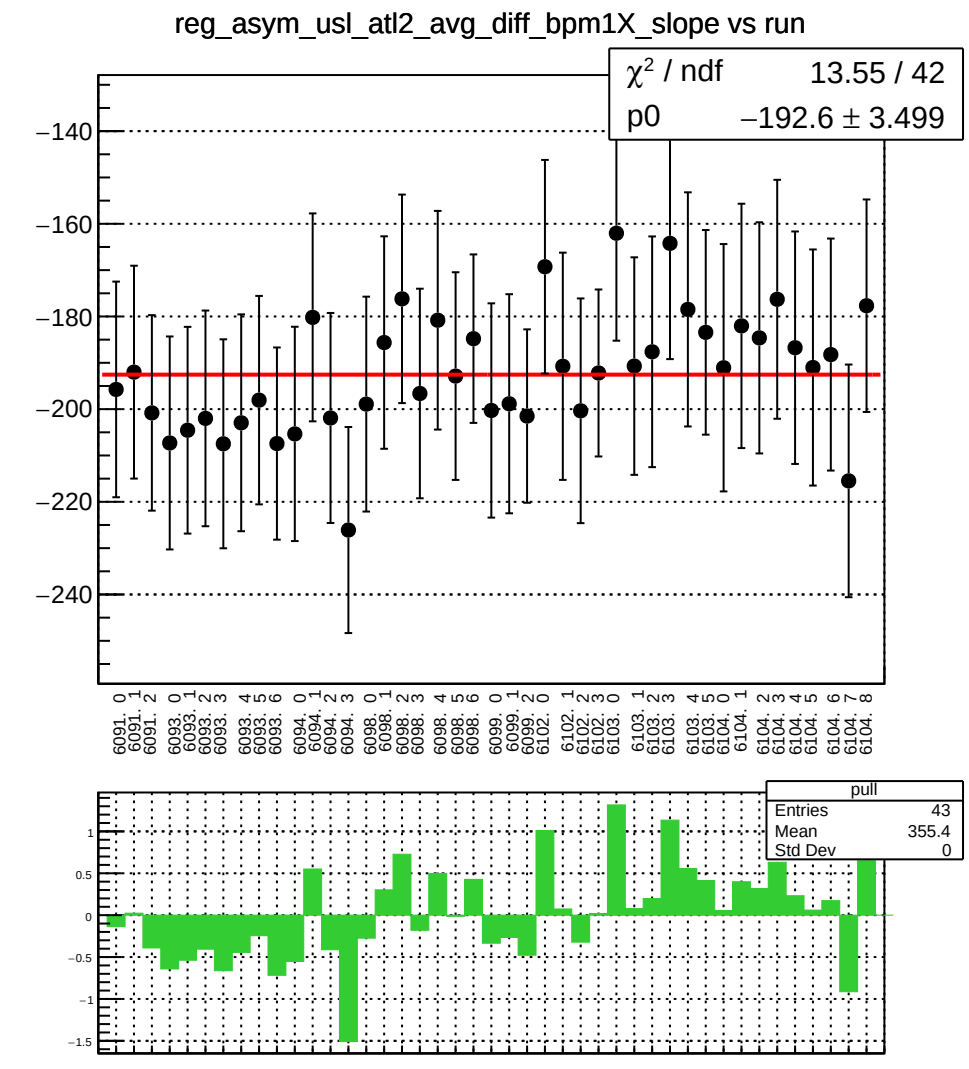

reg_asym_usl_atl1_dd_diff_bpm4eX_slope vs run
χ² / ndf 43.33 / 42
p0 −23.49 ± 1.734
pull
Entries 43
Mean 292.1
Std Dev 0

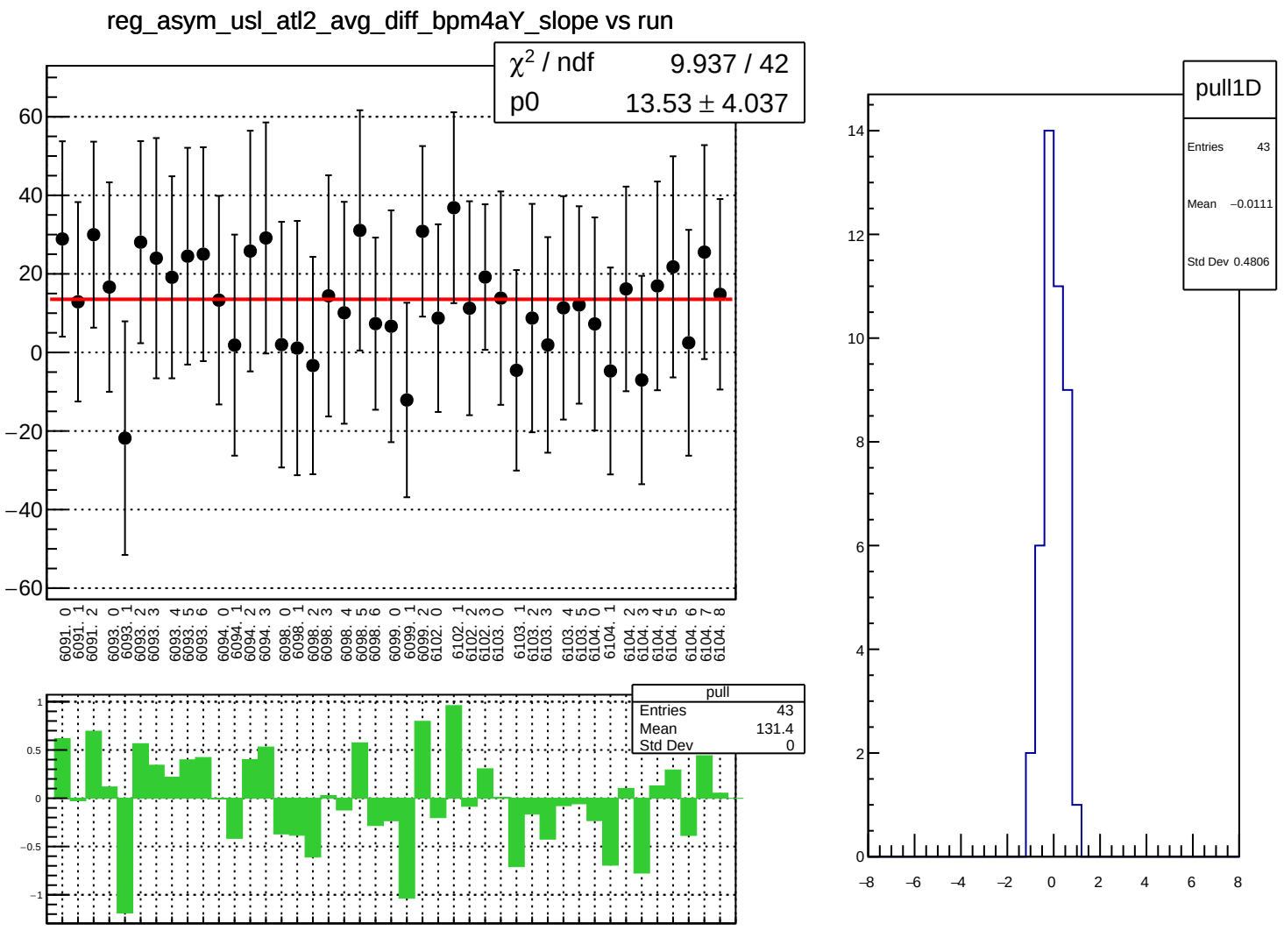

pull1D
Entries 43
Mean 0.005503
Std Dev 1.004

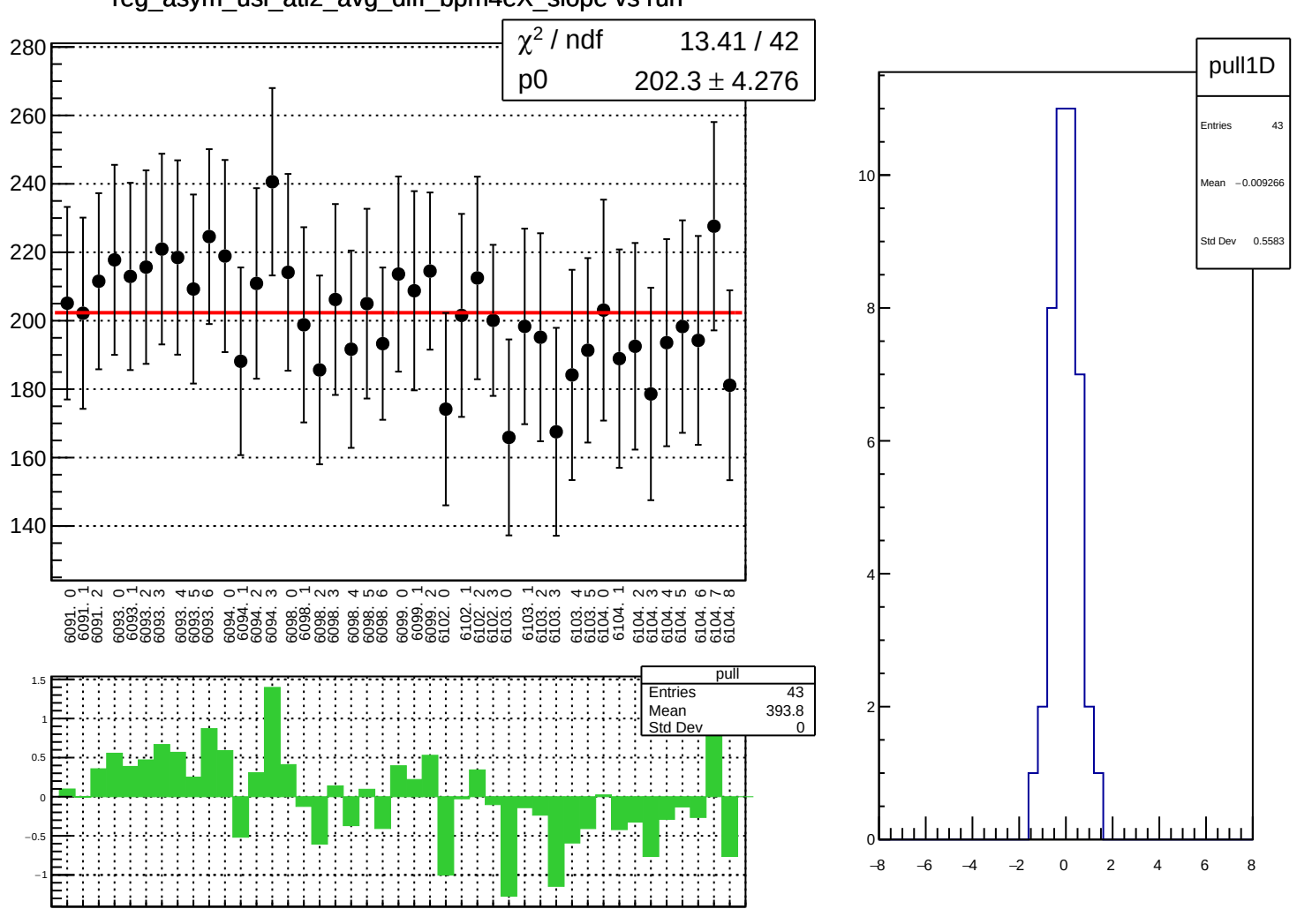

reg_asym_usl_atl1_dd_diff_bpm4eY_slope vs run
χ² / ndf 37.21 / 42
p0 28.39 ± 1.728
pull
Entries 43
Mean 1.757
Std Dev 0

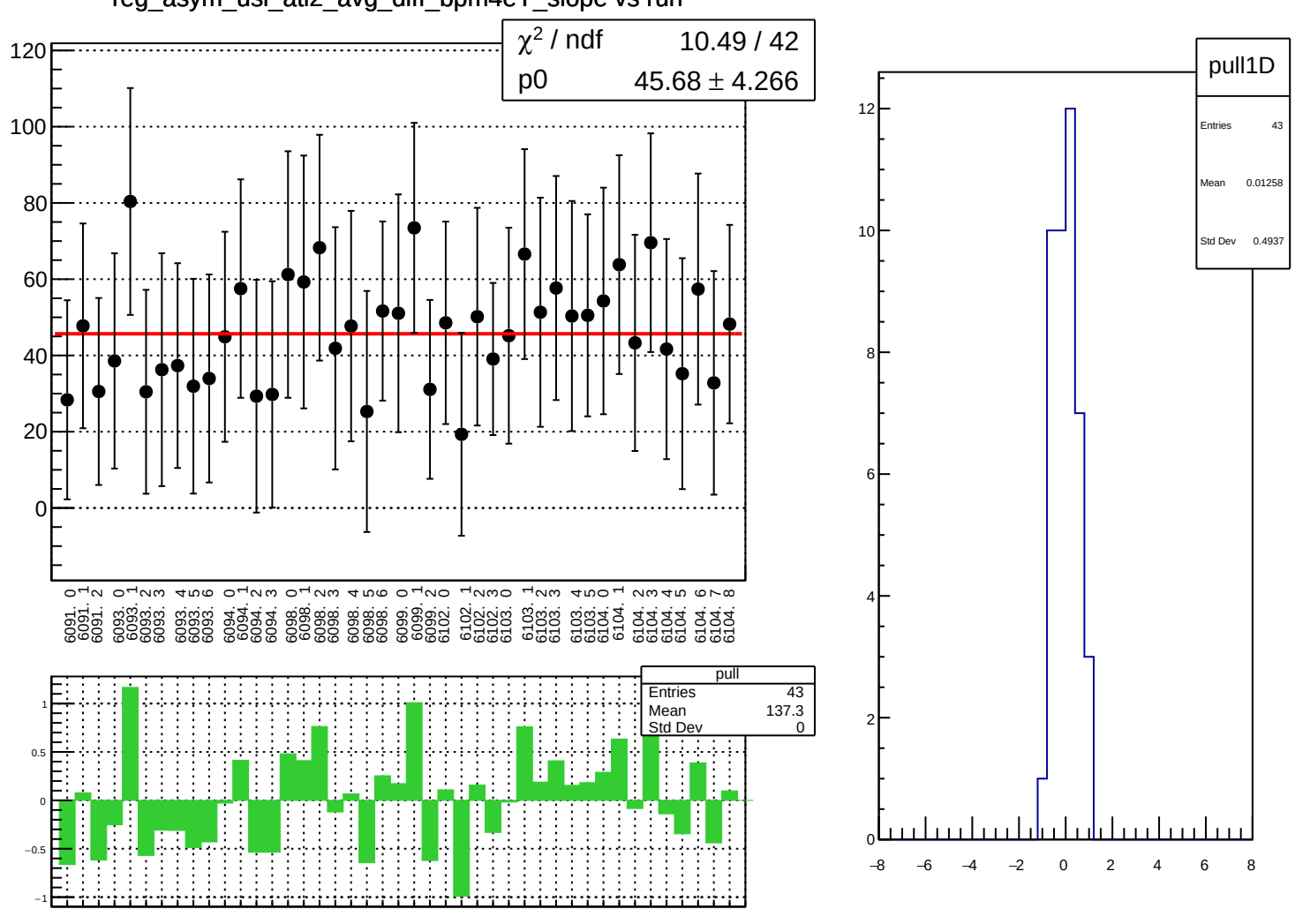

pull1D
Entries 43
Mean 0.01891
Std Dev 0.9301

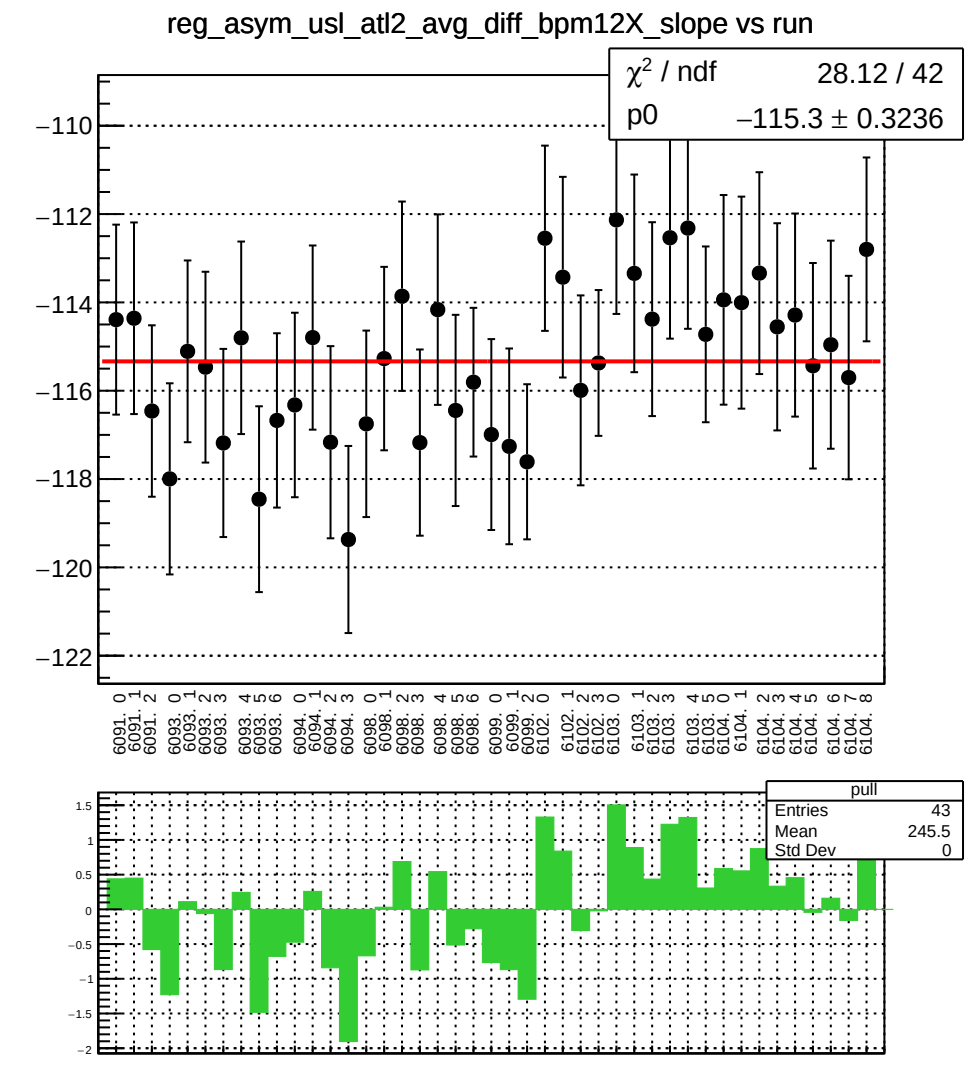

reg_asym_usl_atl1_dd_diff_bpm12X_slope vs run
χ² / ndf 44.97 / 42
p0 −11.1 ± 0.1311
pull
Entries 43
Mean 790.8
Std Dev 0
pull1D
Entries 43
Mean −0.008946
Std Dev 1.023

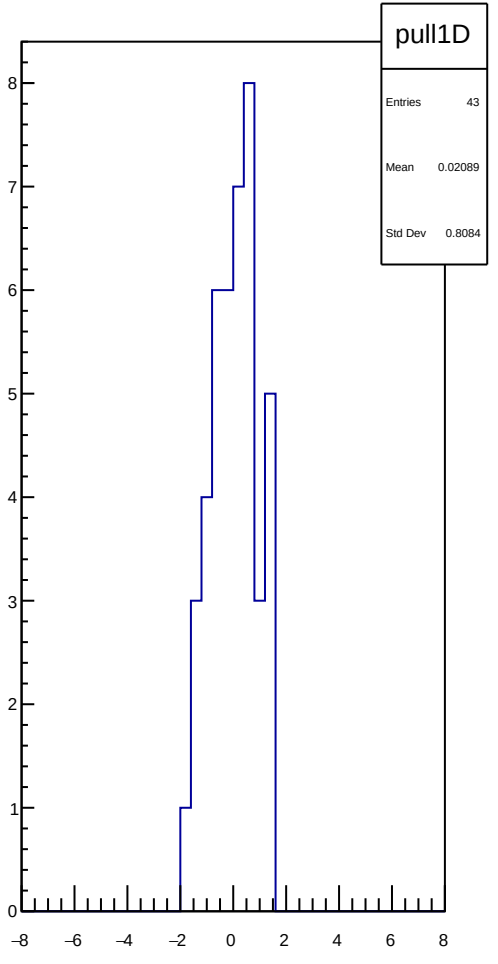

reg_asym_usl_atl2_avg_diff_bpm1X_slope vs run
χ² / ndf 13.55 / 42
p0 −192.6 ± 3.499
−140
−160
−180
−200
−220
−240
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 355.4
Std Dev 0
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 43
Mean 0.009482
Std Dev 0.5613
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

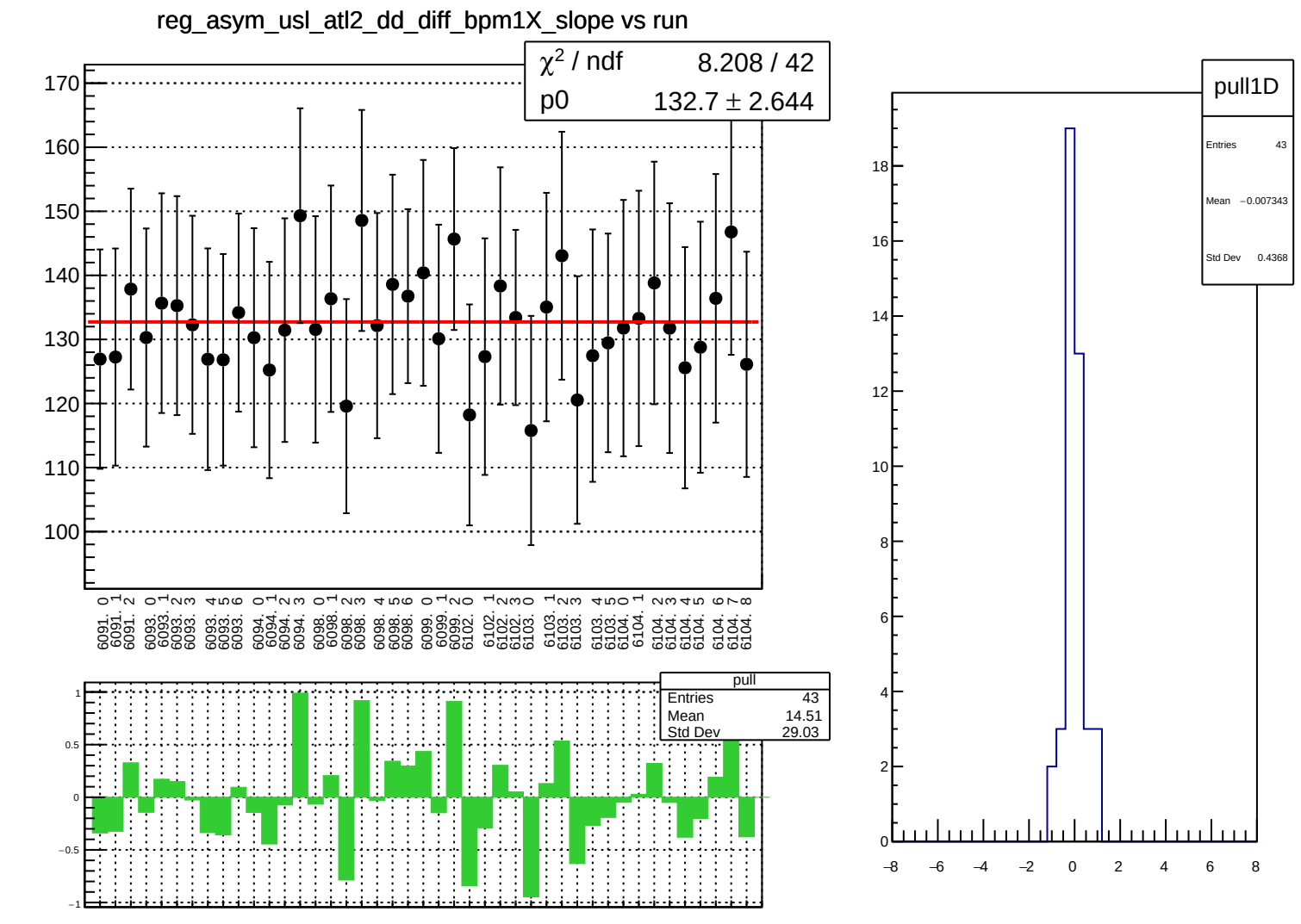

reg_asym_usl_atl2_avg_diff_bpm4aY_slope vs run
χ² / ndf 9.937 / 42
p0 13.53 ± 4.037
pull
Entries 43
Mean 131.4
Std Dev 0
pull1D
Entries 43
Mean −0.0111
Std Dev 0.4806

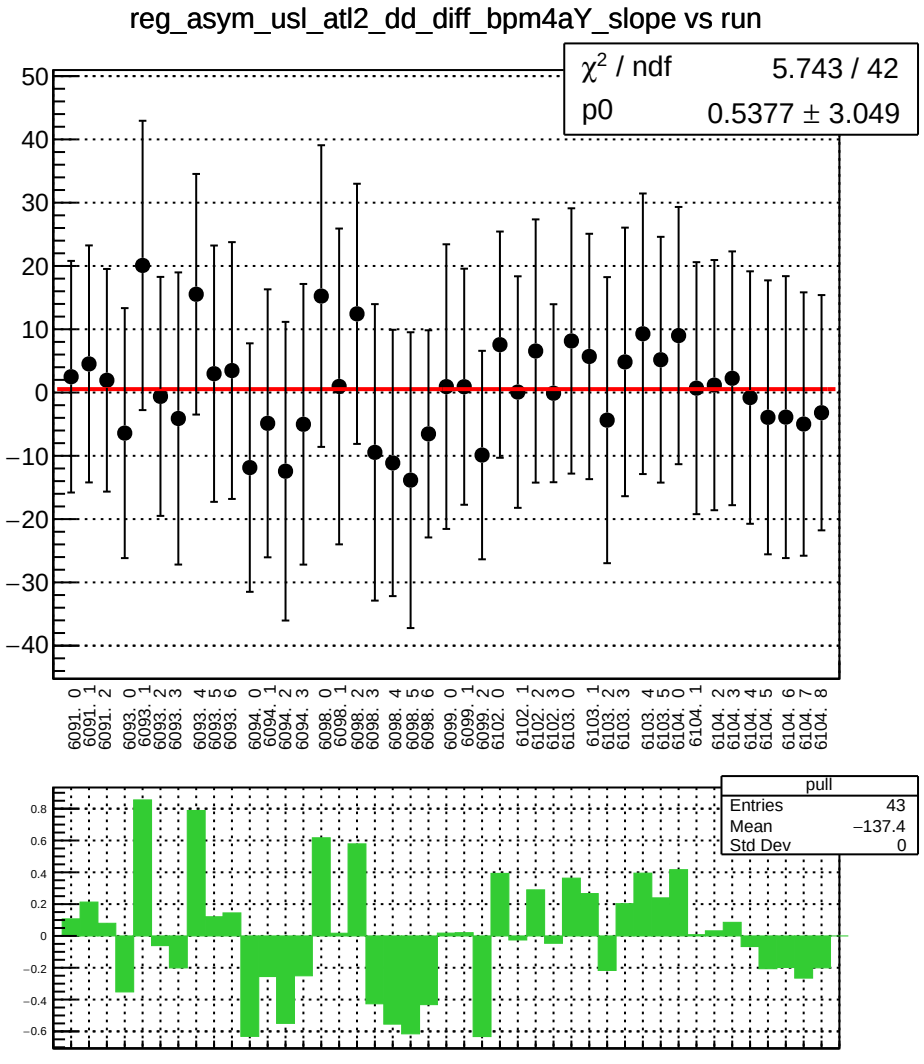

reg_asym_usl_atl2_avg_diff_bpm4eX_slope vs run
χ² / ndf 13.41 / 42
p0 202.3 ± 4.276
pull
Entries 43
Mean 393.8
Std Dev 0
pull1D
Entries 43
Mean −0.009266
Std Dev 0.5583

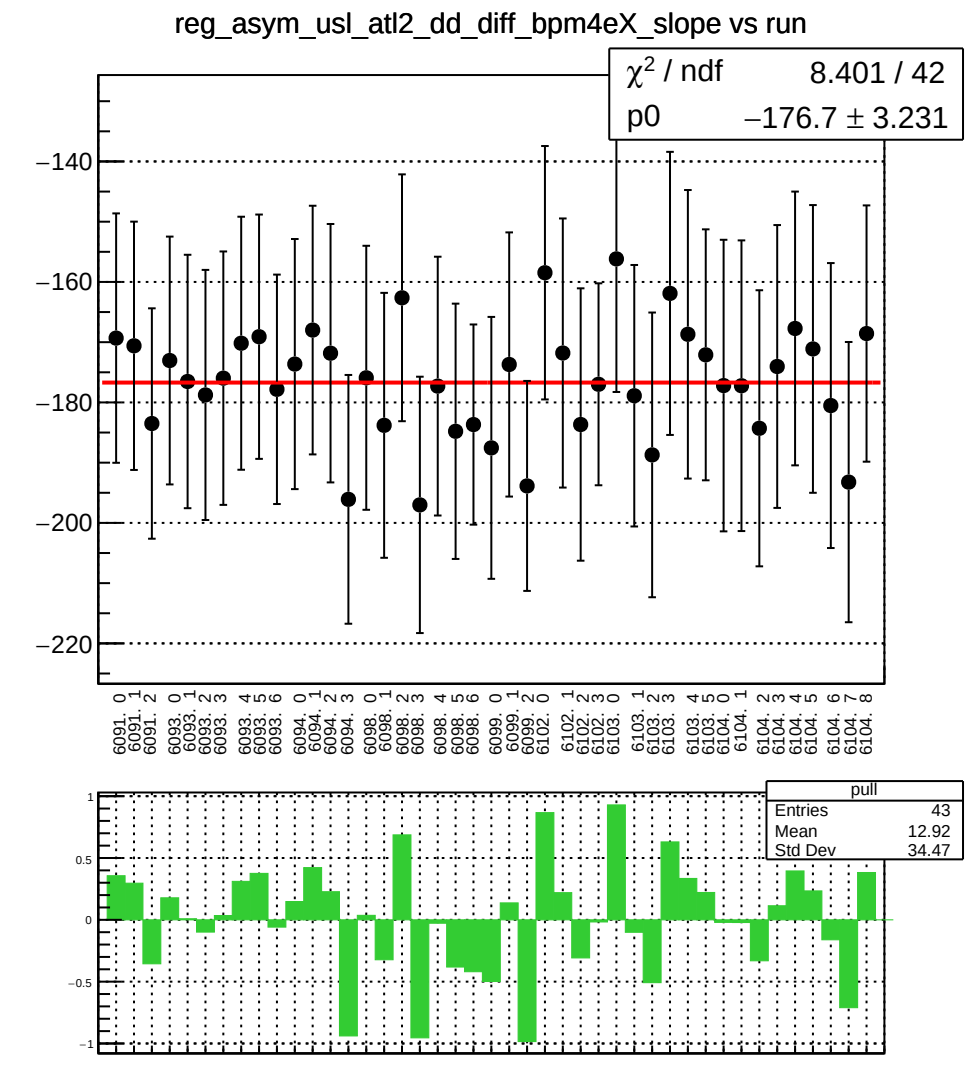

reg_asym_usl_atl2_avg_diff_bpm4eY_slope vs run
χ² / ndf 10.49 / 42
p0 45.68 ± 4.266
120
100
80
60
40
20
0
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 137.3
Std Dev 0
1
0.5
0
−0.5
−1
pull1D
Entries 43
Mean 0.01258
Std Dev 0.4937
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

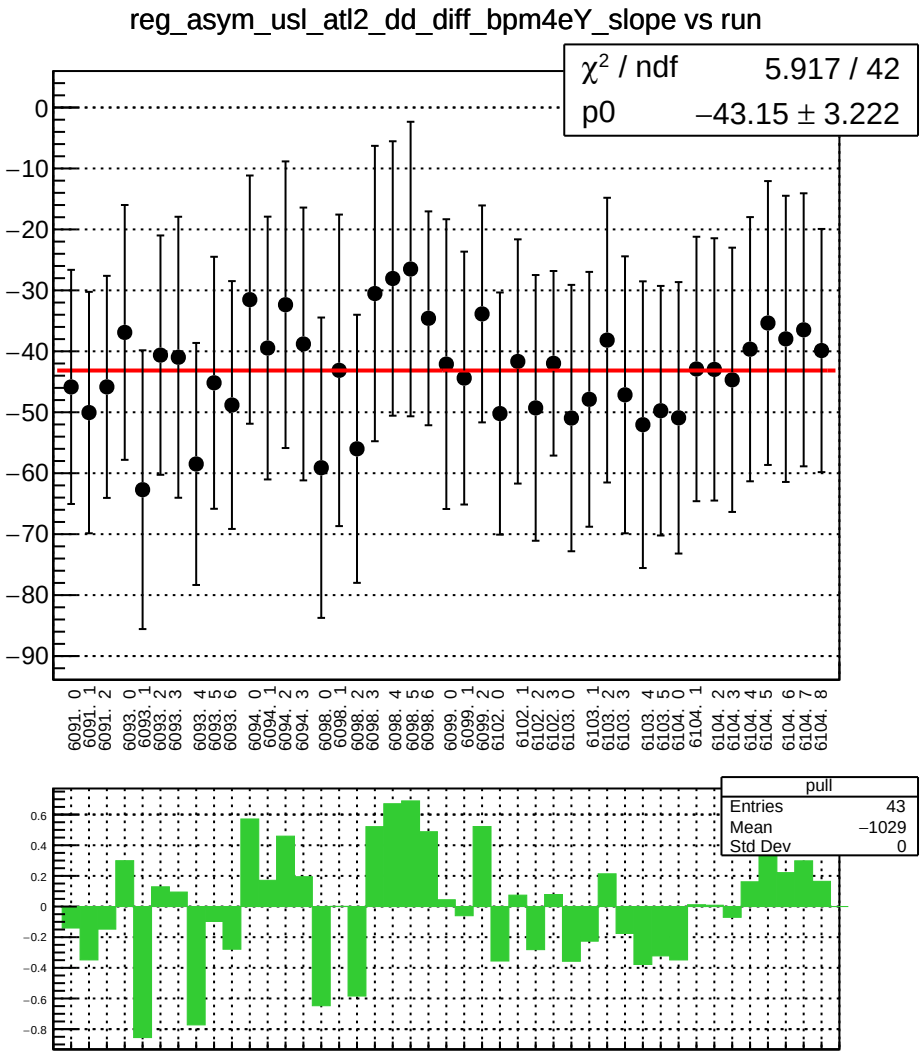

reg_asym_usl_atl2_avg_diff_bpm12X_slope vs run
χ² / ndf 28.12 / 42
p0 −115.3 ± 0.3236
−110
−112
−114
−116
−118
−120
−122
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 245.5
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2

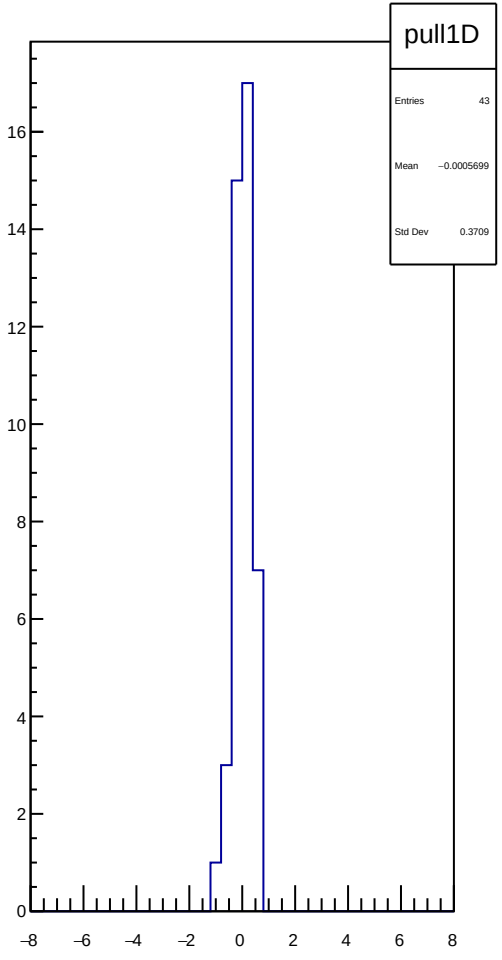

pull1D
Entries 43
Mean 0.02089
Std Dev 0.8084
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

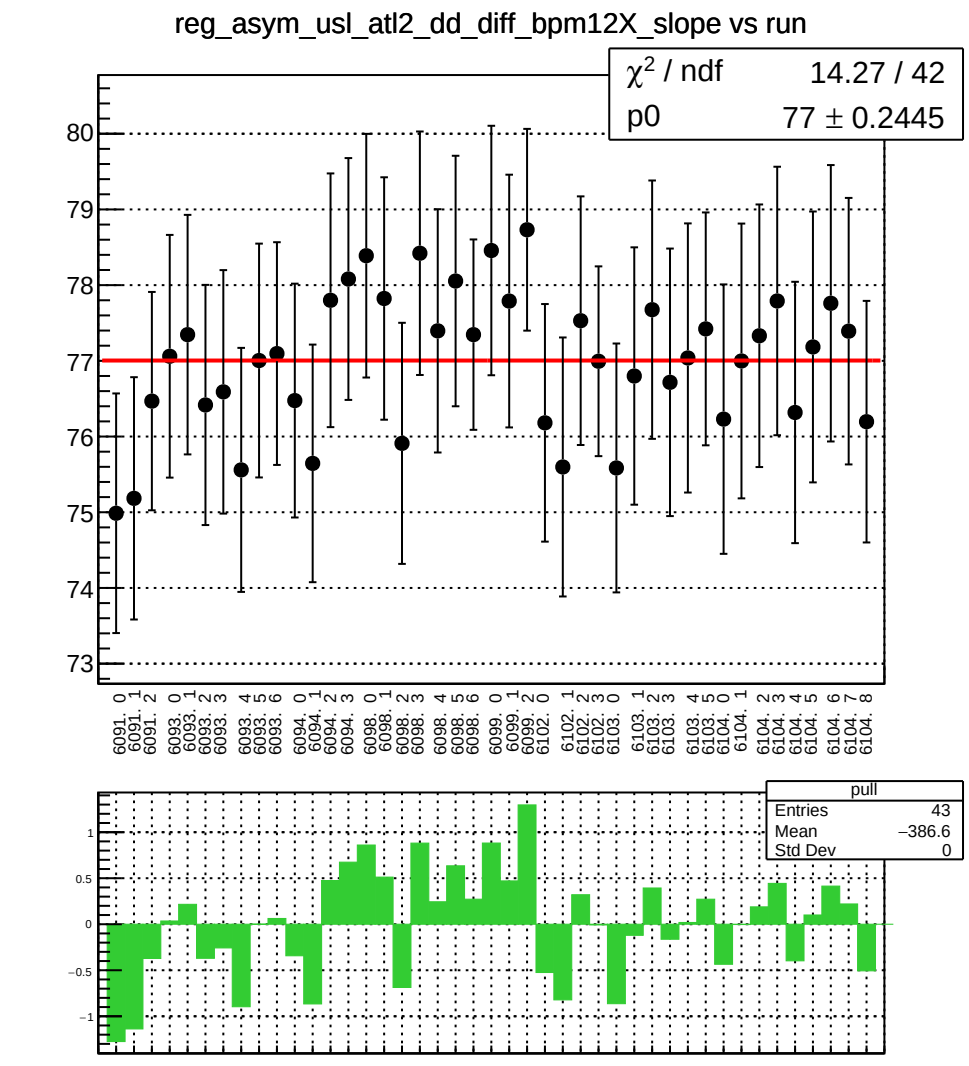

reg_asym_usl_atl2_dd_diff_bpm1X_slope vs run
χ² / ndf 8.208 / 42
p0 132.7 ± 2.644
pull
Entries 43
Mean 14.51
Std Dev 29.03
pull1D
Entries 43
Mean −0.007343
Std Dev 0.4368

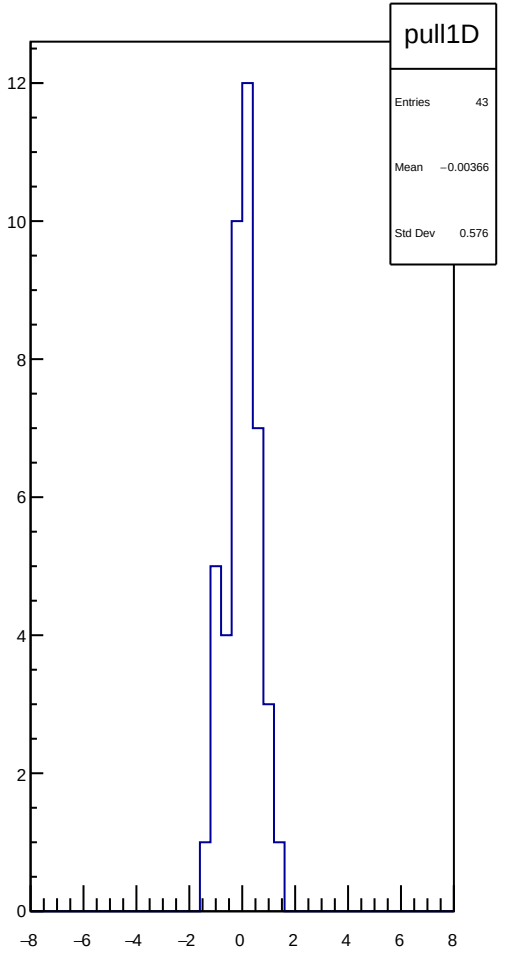

reg_asym_usl_atl2_dd_diff_bpm4aY_slope vs run
χ² / ndf 5.743 / 42
p0 0.5377 ± 3.049
pull
Entries 43
Mean −137.4
Std Dev 0
pull1D
Entries 43
Mean 0.001493
Std Dev 0.3655

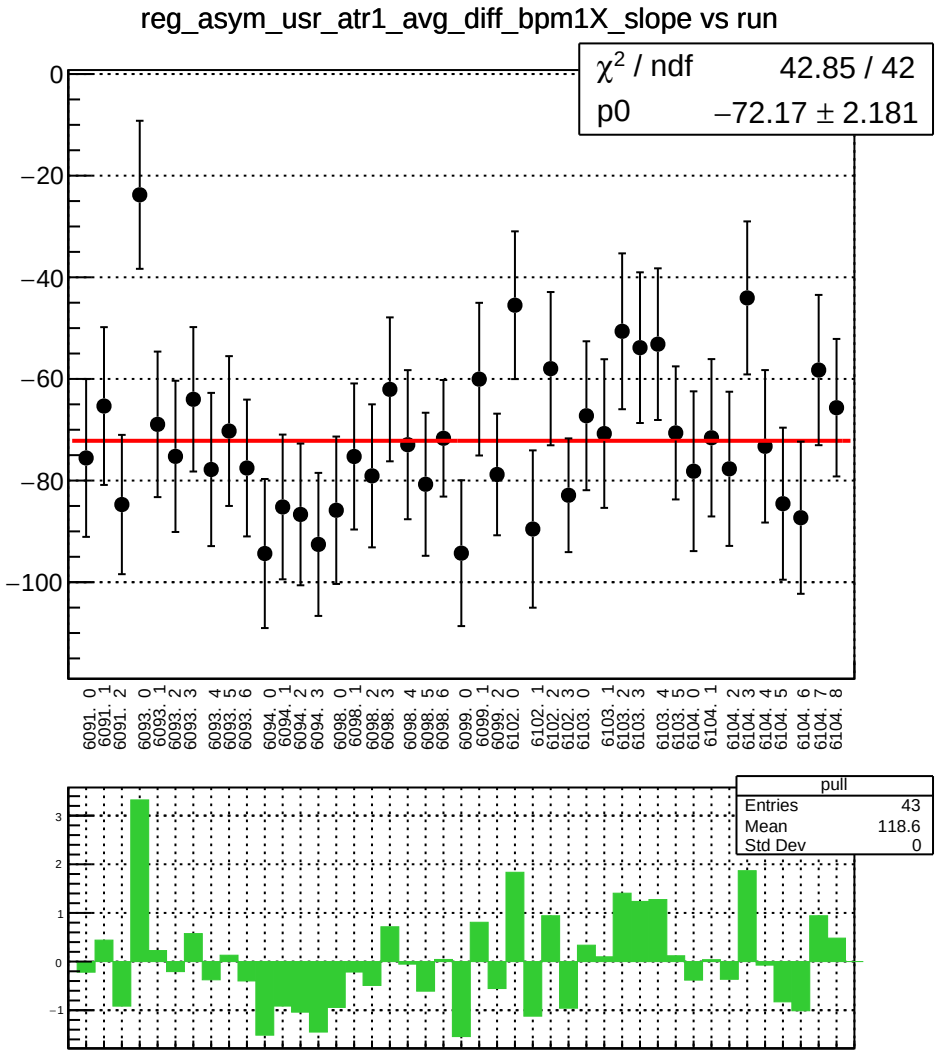

reg_asym_usl_atl2_dd_diff_bpm4eX_slope vs run
χ² / ndf 8.401 / 42
p0 −176.7 ± 3.231
−140
−160
−180
−200
−220
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 12.92
Std Dev 34.47
1
0.5
0
−0.5
−1
pull1D
Entries 43
Mean 0.007554
Std Dev 0.4419
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

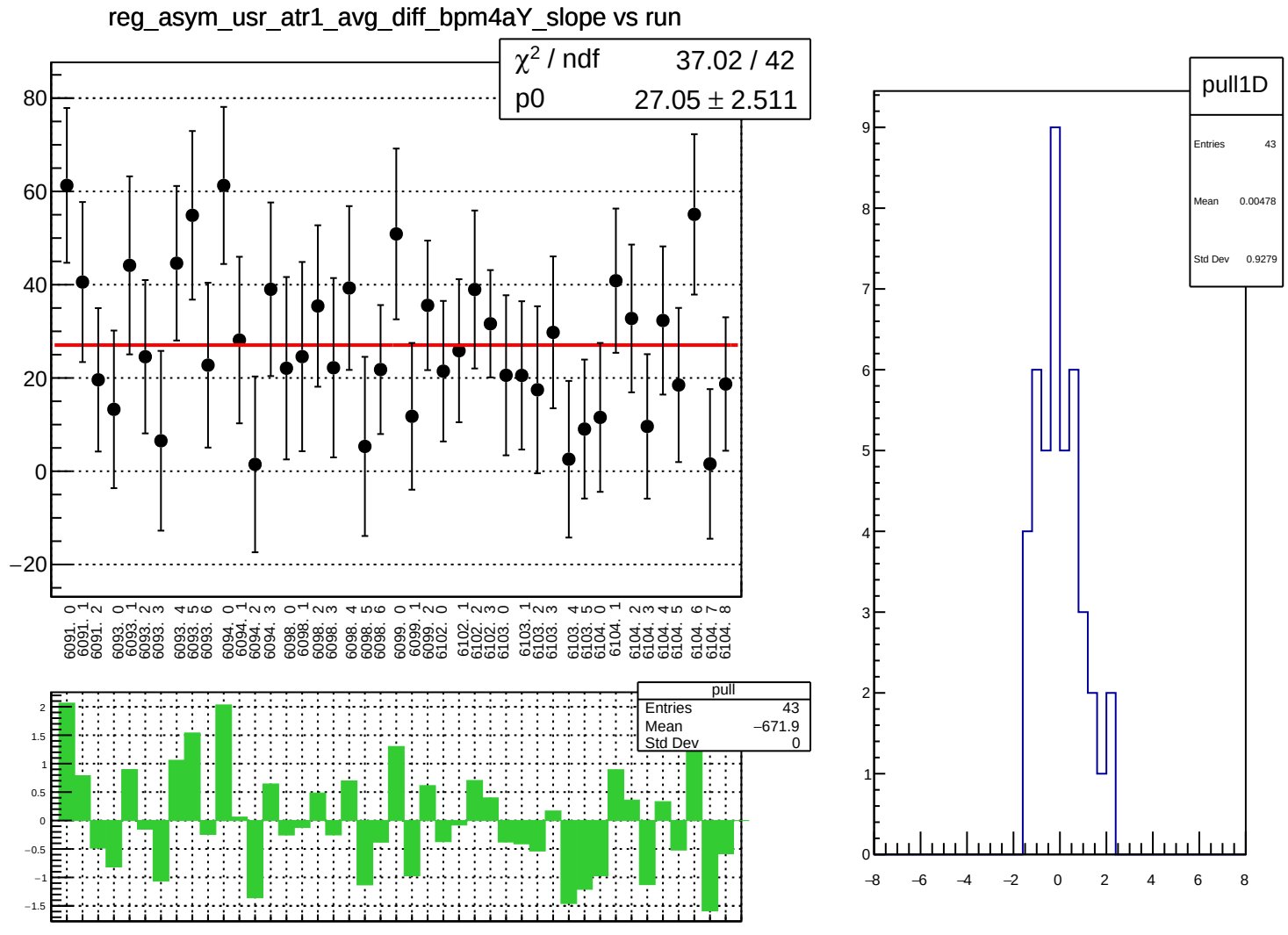

reg_asym_usl_atl2_dd_diff_bpm4eY_slope vs run
χ² / ndf 5.917 / 42
p0 −43.15 ± 3.222
pull
Entries 43
Mean −1029
Std Dev 0

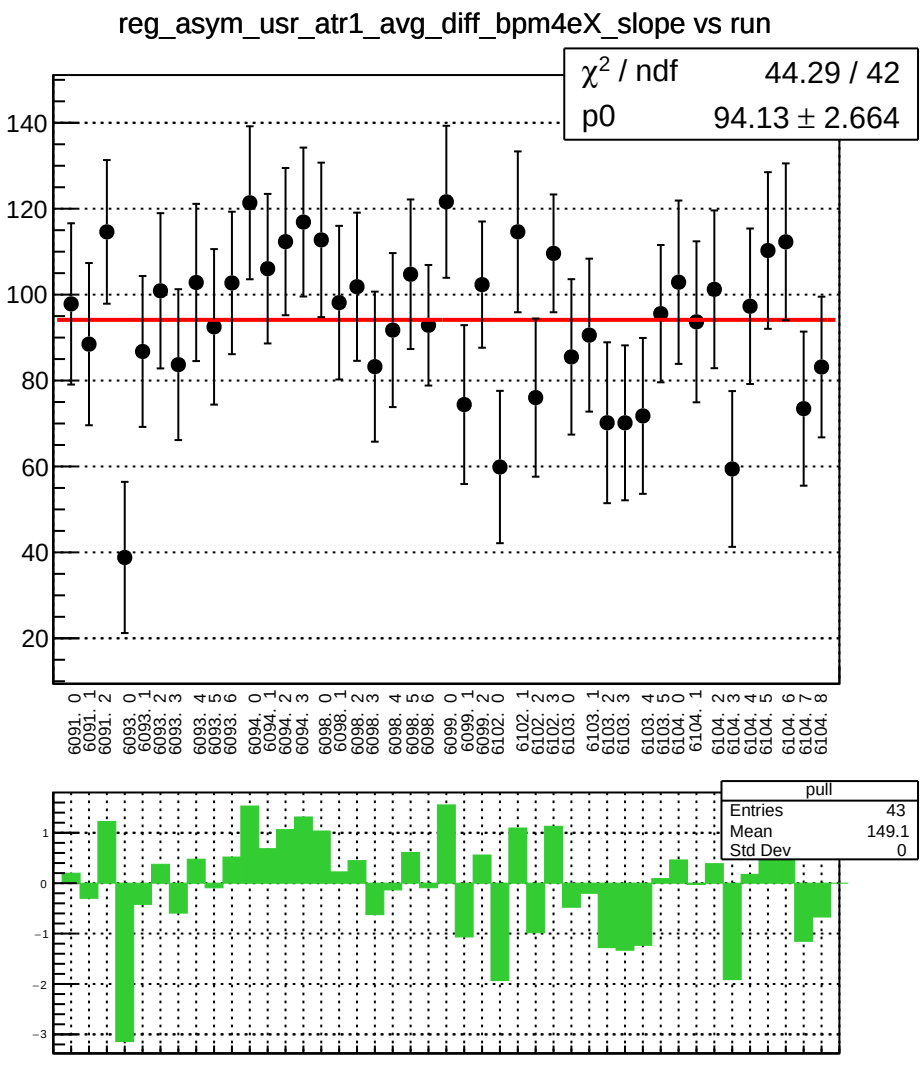

pull1D
Entries 43
Mean −0.0005699
Std Dev 0.3709

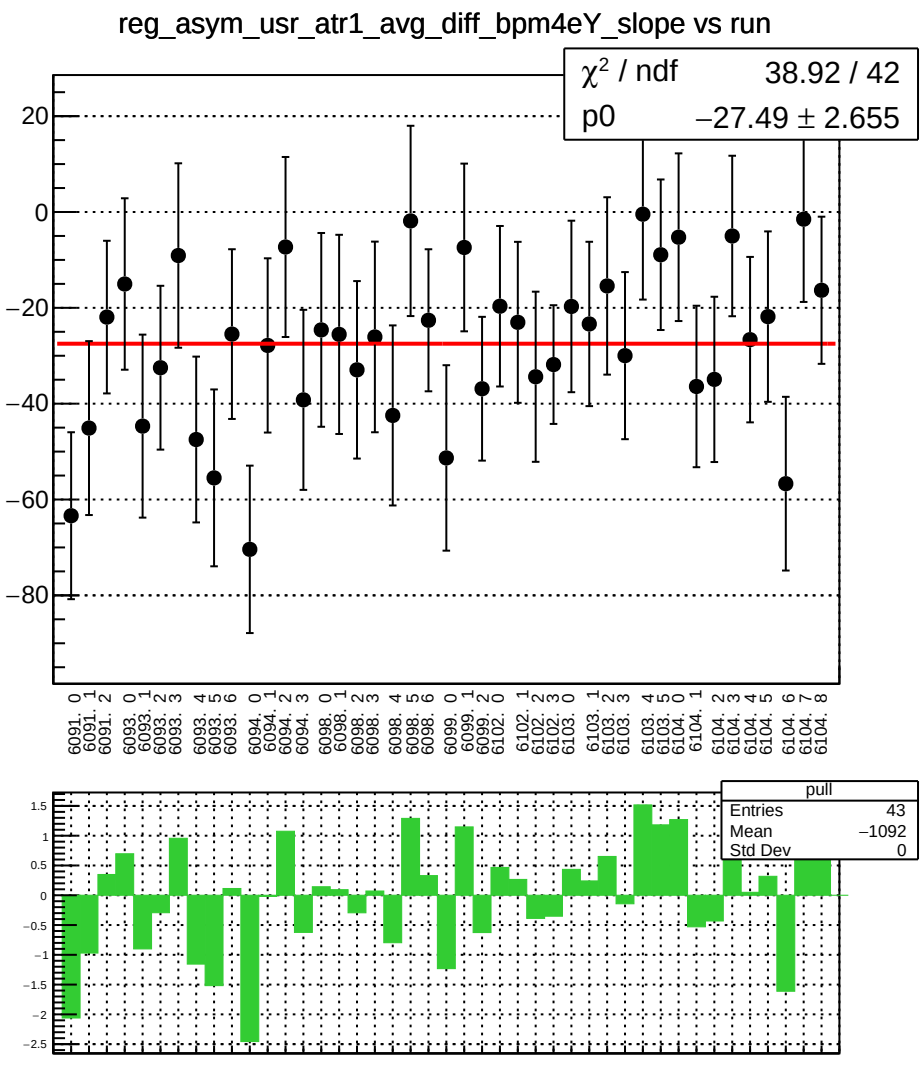

reg_asym_usl_atl2_dd_diff_bpm12X_slope vs run
χ² / ndf 14.27 / 42
p0 77 ± 0.2445
80
79
78
77
76
75
74
73
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean −386.6
Std Dev 0
1
0.5
0
−0.5
−1

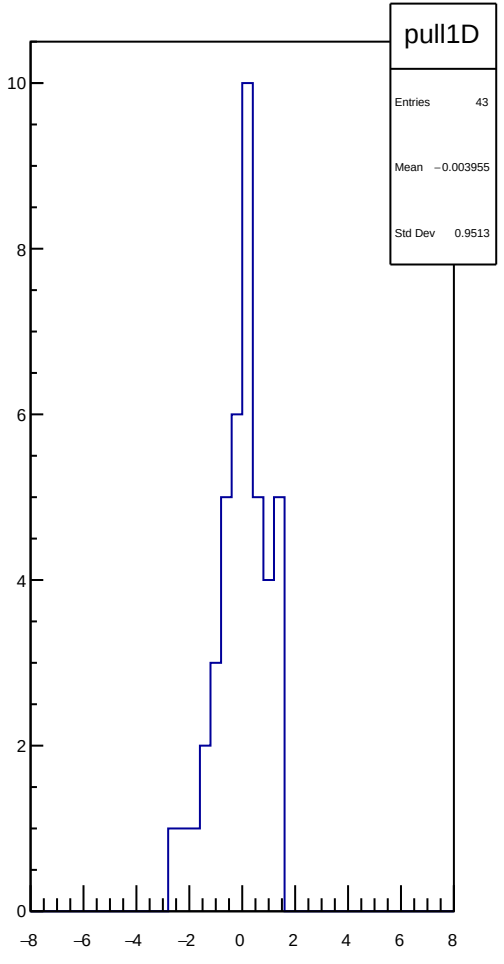

pull1D
Entries 43
Mean −0.00366
Std Dev 0.576
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

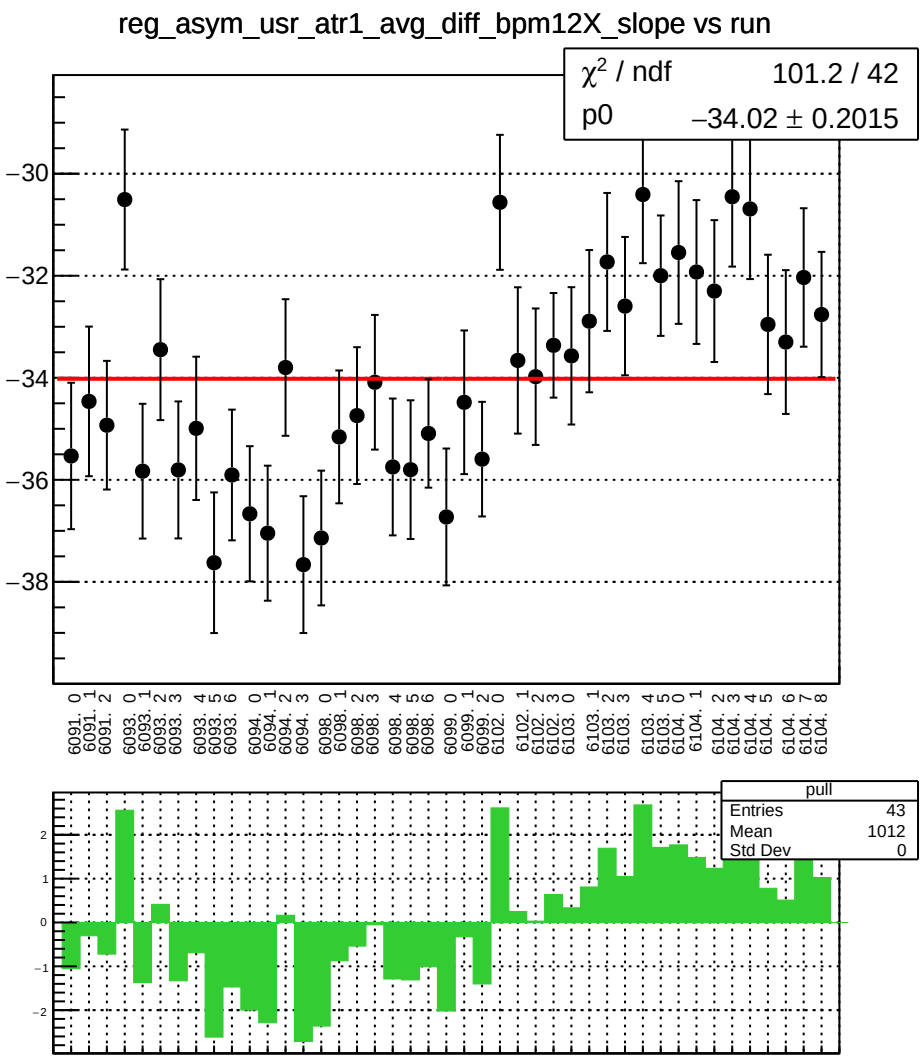

reg_asym_usr_atr1_avg_diff_bpm1X_slope vs run
χ² / ndf 42.85 / 42
p0 −72.17 ± 2.181
0
−20
−40
−60
−80
−100
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 118.6
Std Dev 0
3
2
1
0
−1
pull1D
Entries 43
Mean 0.01555
Std Dev 0.9981
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

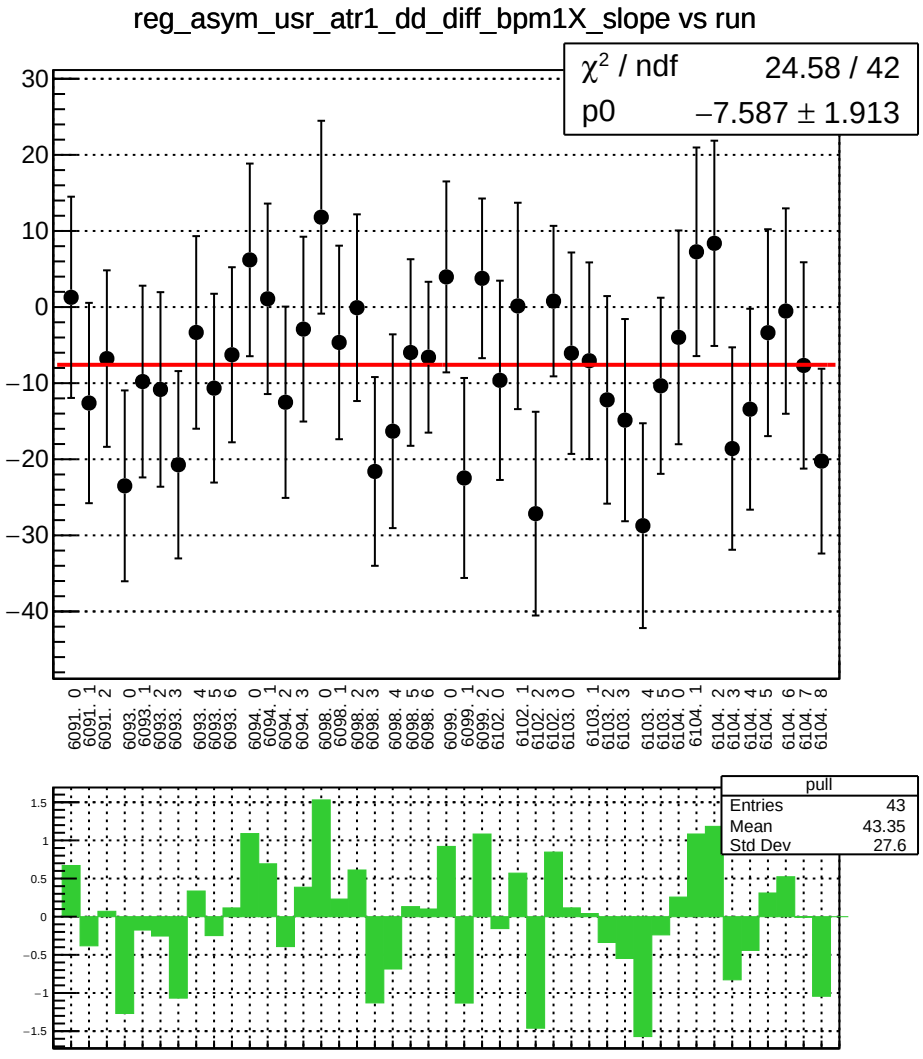

reg_asym_usr_atr1_avg_diff_bpm4aY_slope vs run
χ² / ndf 37.02 / 42
p0 27.05 ± 2.511
80
60
40
20
0
−20
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean −671.9
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 43
Mean 0.00478
Std Dev 0.9279
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

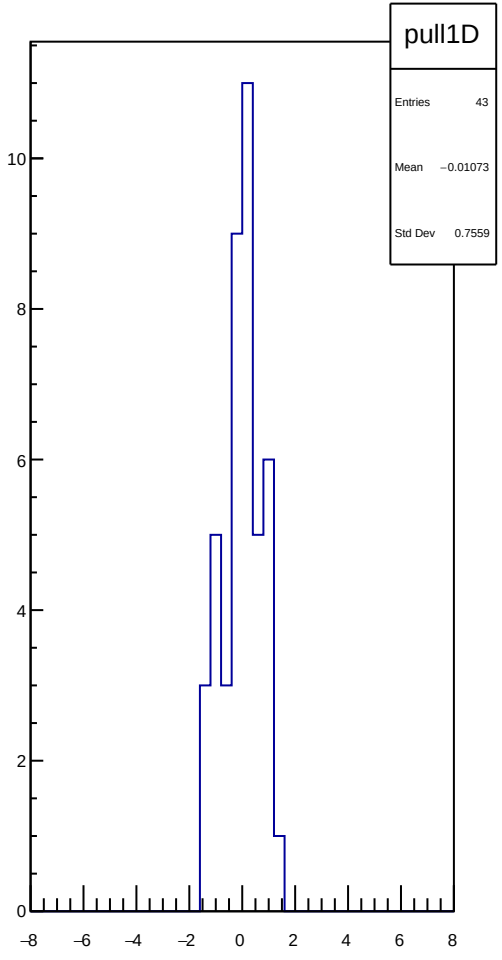

reg_asym_usr_atr1_avg_diff_bpm4eX_slope vs run
χ² / ndf 44.29 / 42
p0 94.13 ± 2.664
140
120
100
80
60
40
20
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 149.1
Std Dev 0
1
0
−1
−2
−3
pull1D
Entries 43
Mean −0.0145
Std Dev 1.015
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

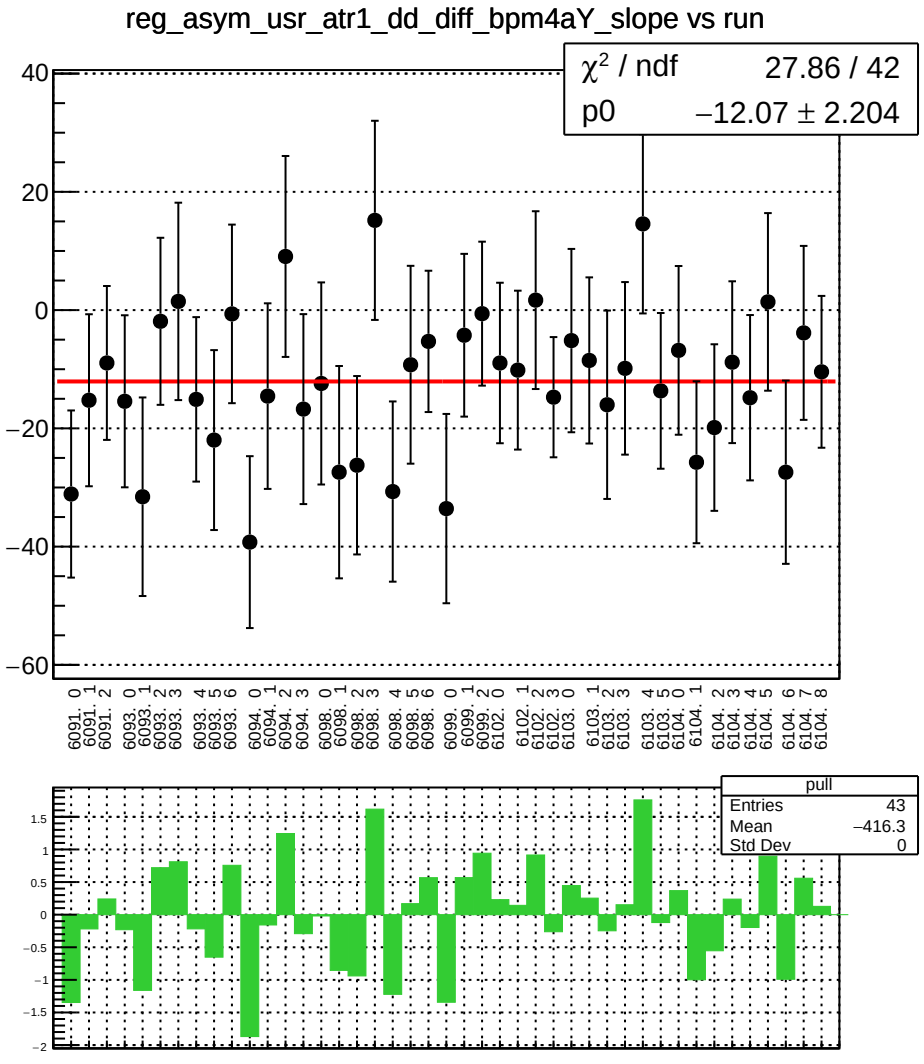

reg_asym_usr_atr1_avg_diff_bpm4eY_slope vs run
χ² / ndf 38.92 / 42
p0 −27.49 ± 2.655
pull
Entries 43
Mean −1092
Std Dev 0

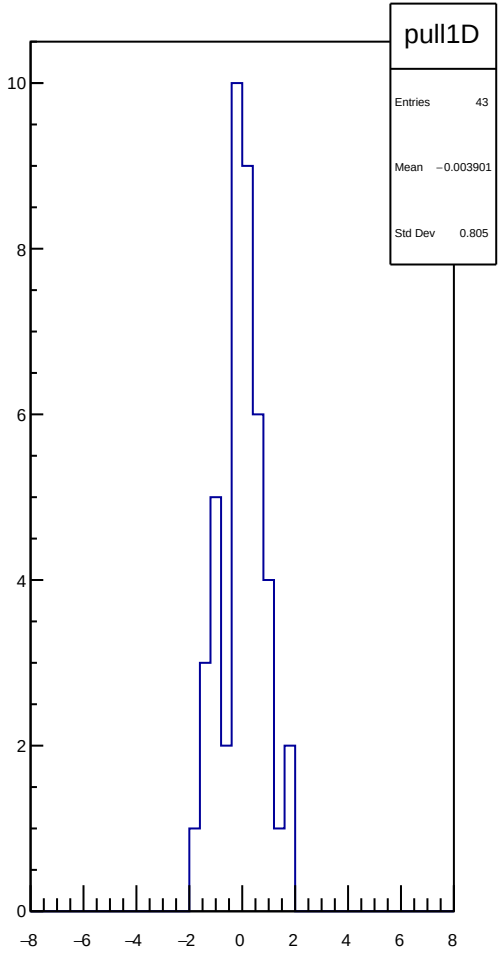

pull1D
Entries 43
Mean −0.003955
Std Dev 0.9513

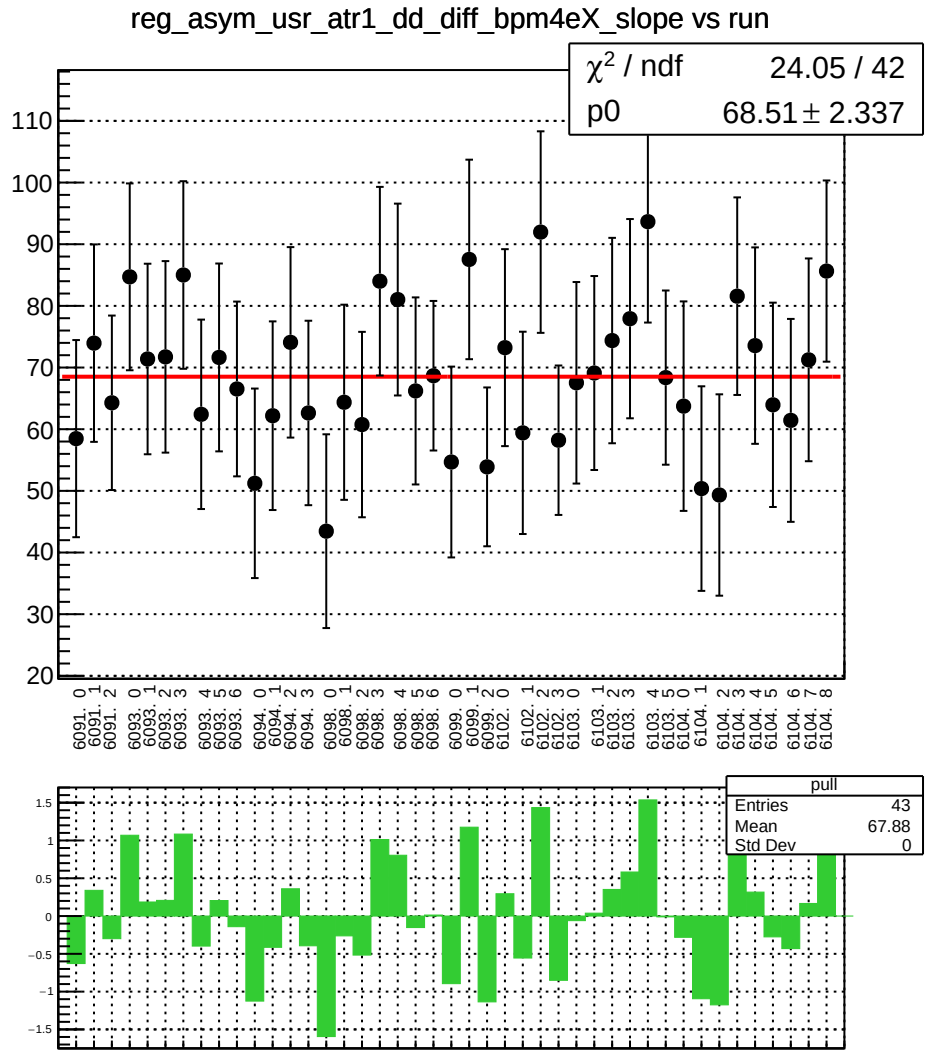

reg_asym_usr_atr1_avg_diff_bpm12X_slope vs run
χ² / ndf 101.2 / 42
p0 −34.02 ± 0.2015
−30
−32
−34
−36
−38
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 1012
Std Dev 0
2
1
0
−1
−2
pull1D
Entries 43
Mean 0.01185
Std Dev 1.534
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

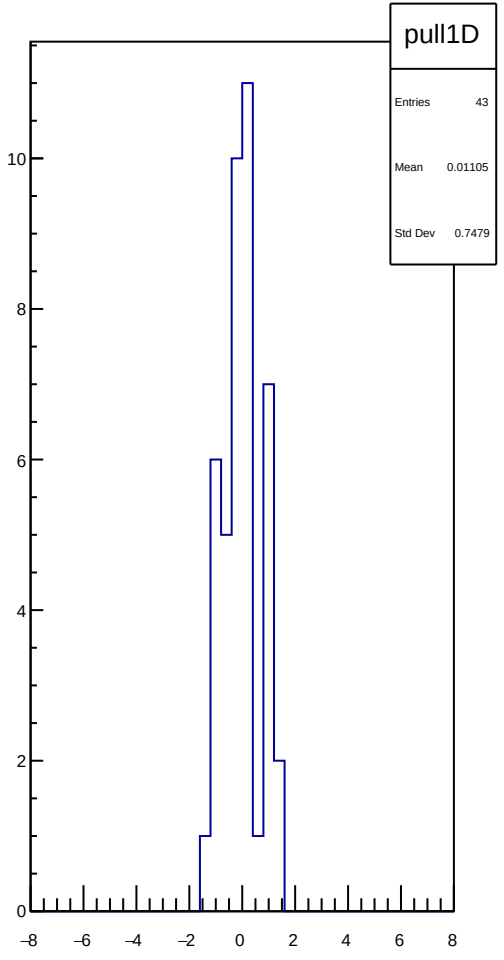

reg_asym_usr_atr1_dd_diff_bpm1X_slope vs run
χ² / ndf 24.58 / 42
p0 −7.587 ± 1.913
pull
Entries 43
Mean 43.35
Std Dev 27.6

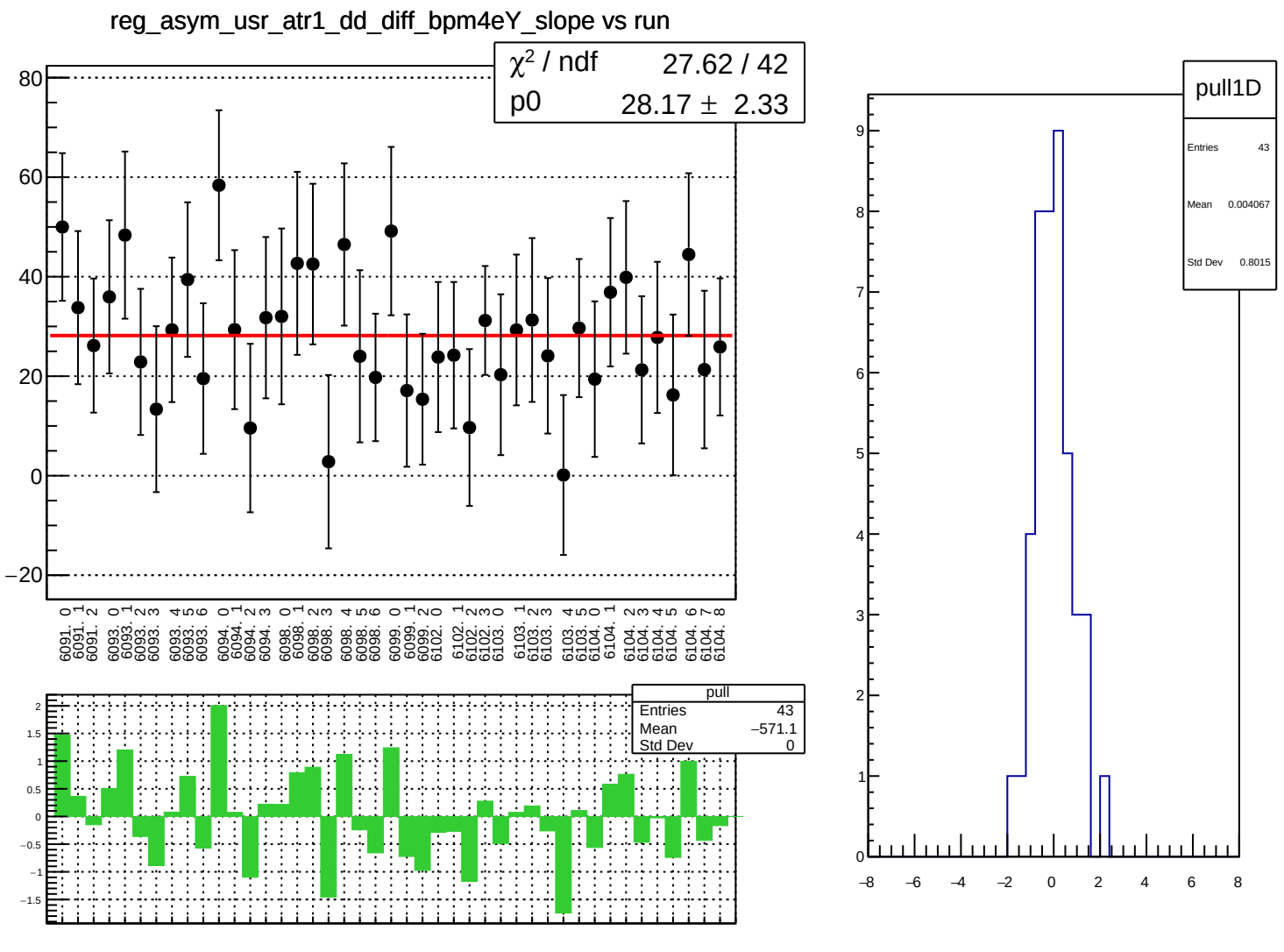

pull1D
Entries 43
Mean −0.01073
Std Dev 0.7559

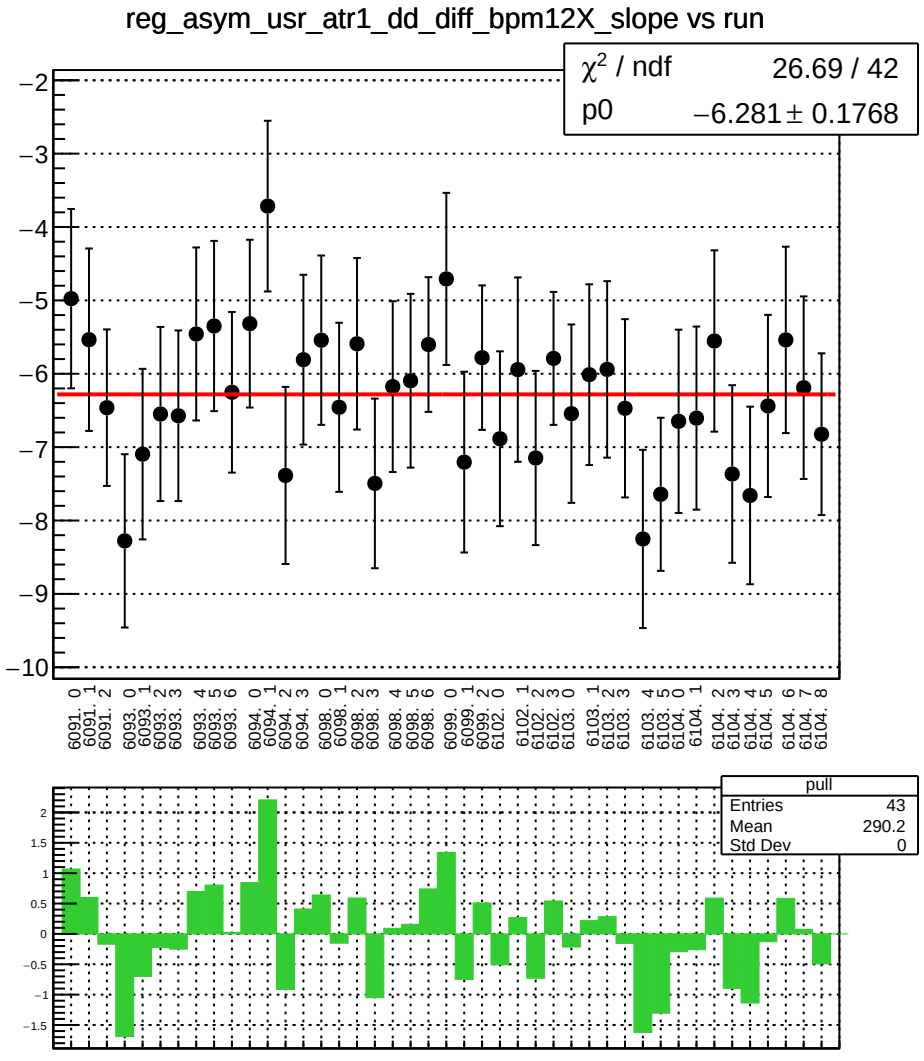

reg_asym_usr_atr1_dd_diff_bpm4aY_slope vs run
χ² / ndf 27.86 / 42
p0 −12.07 ± 2.204
pull
Entries 43
Mean −416.3
Std Dev 0

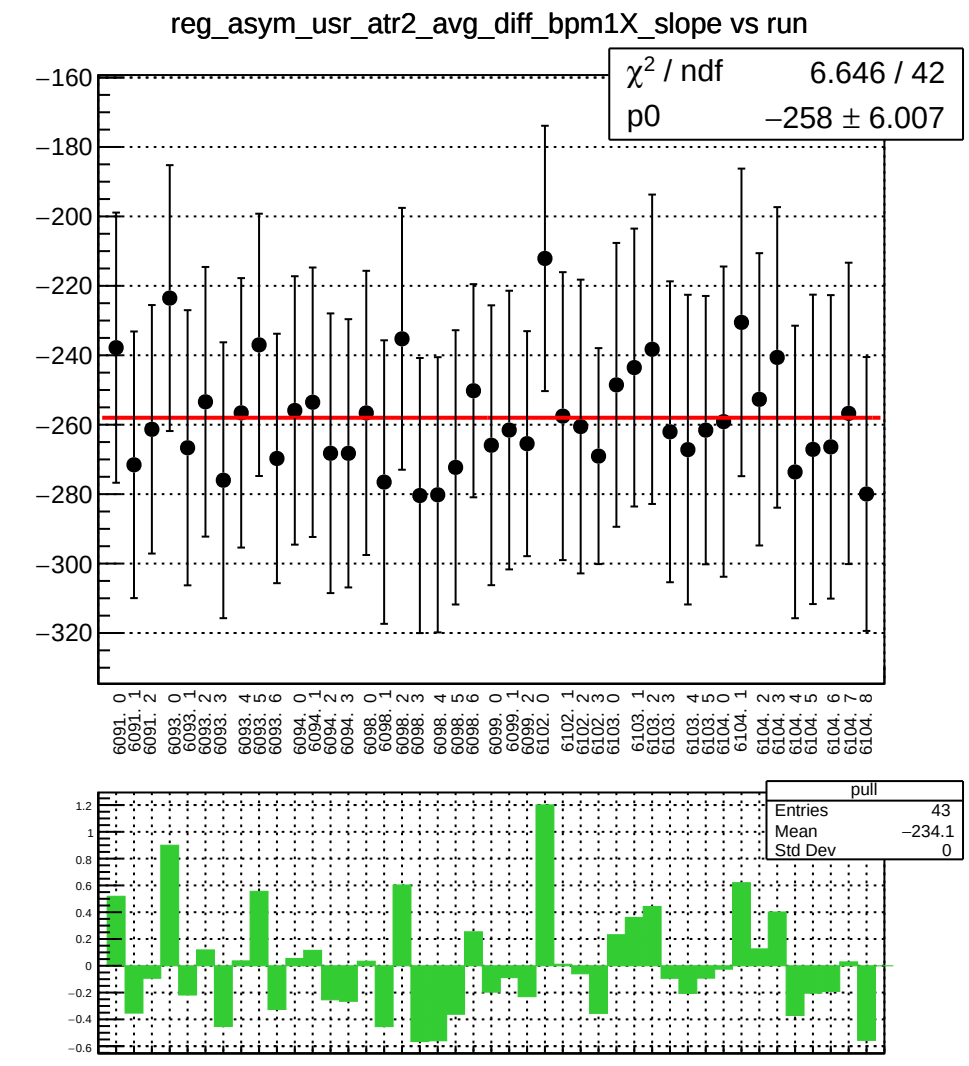

pull1D
Entries 43
Mean −0.003901
Std Dev 0.805

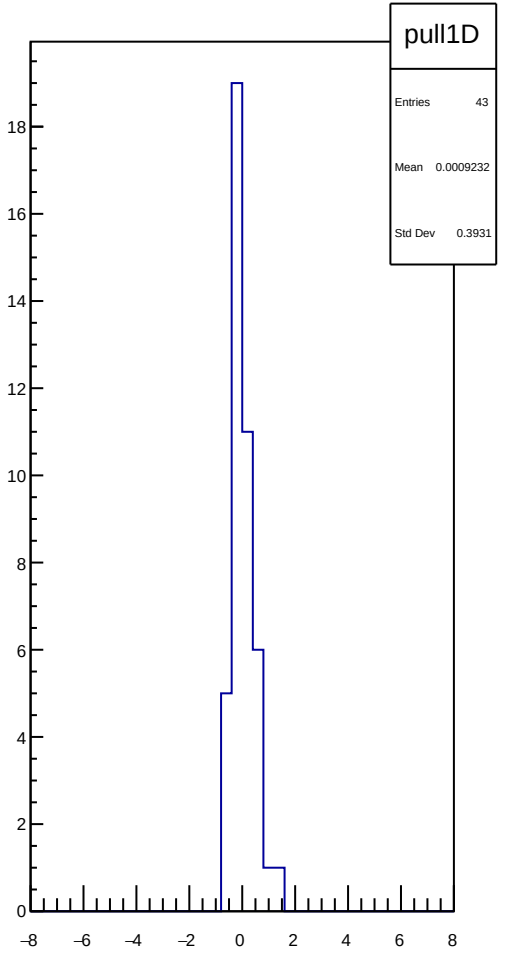

reg_asym_usr_atr1_dd_diff_bpm4eX_slope vs run
χ² / ndf 24.05 / 42
p0 68.51 ± 2.337
pull
Entries 43
Mean 67.88
Std Dev 0

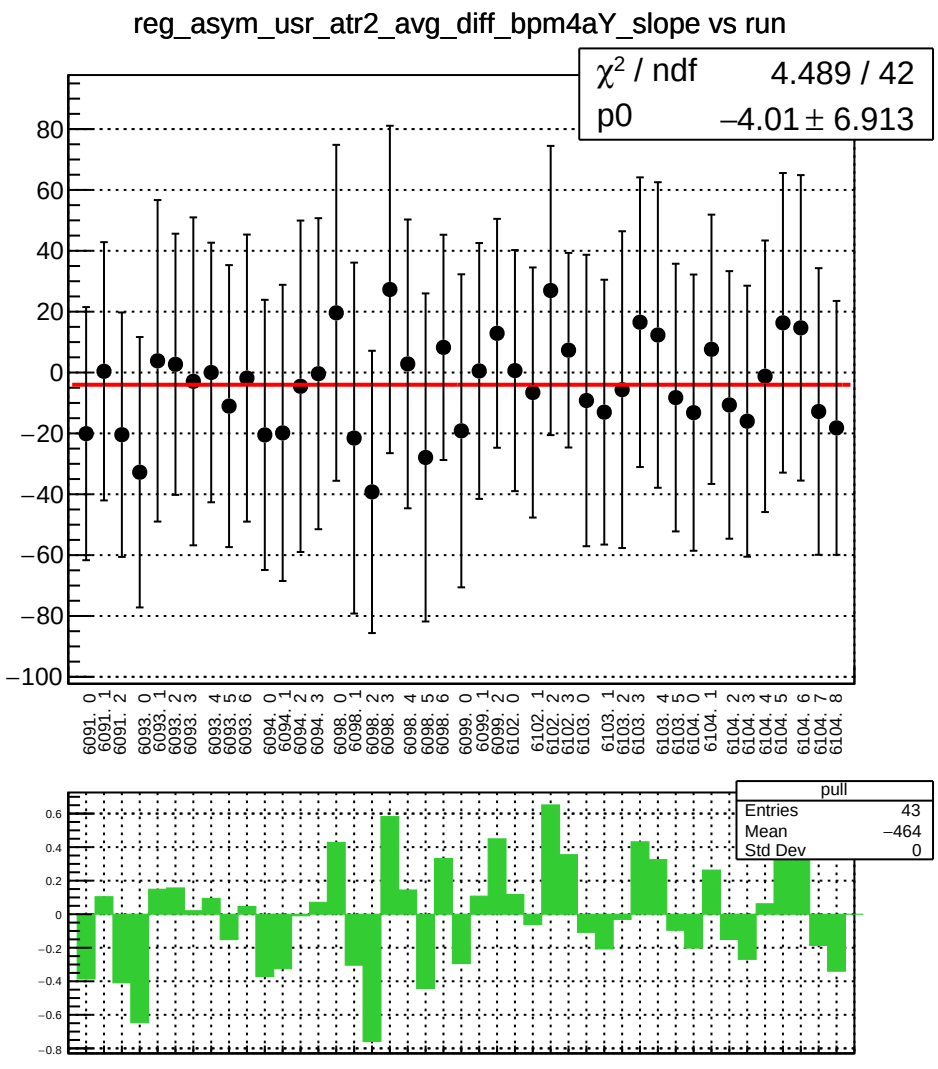

pull1D
Entries 43
Mean 0.01105
Std Dev 0.7479

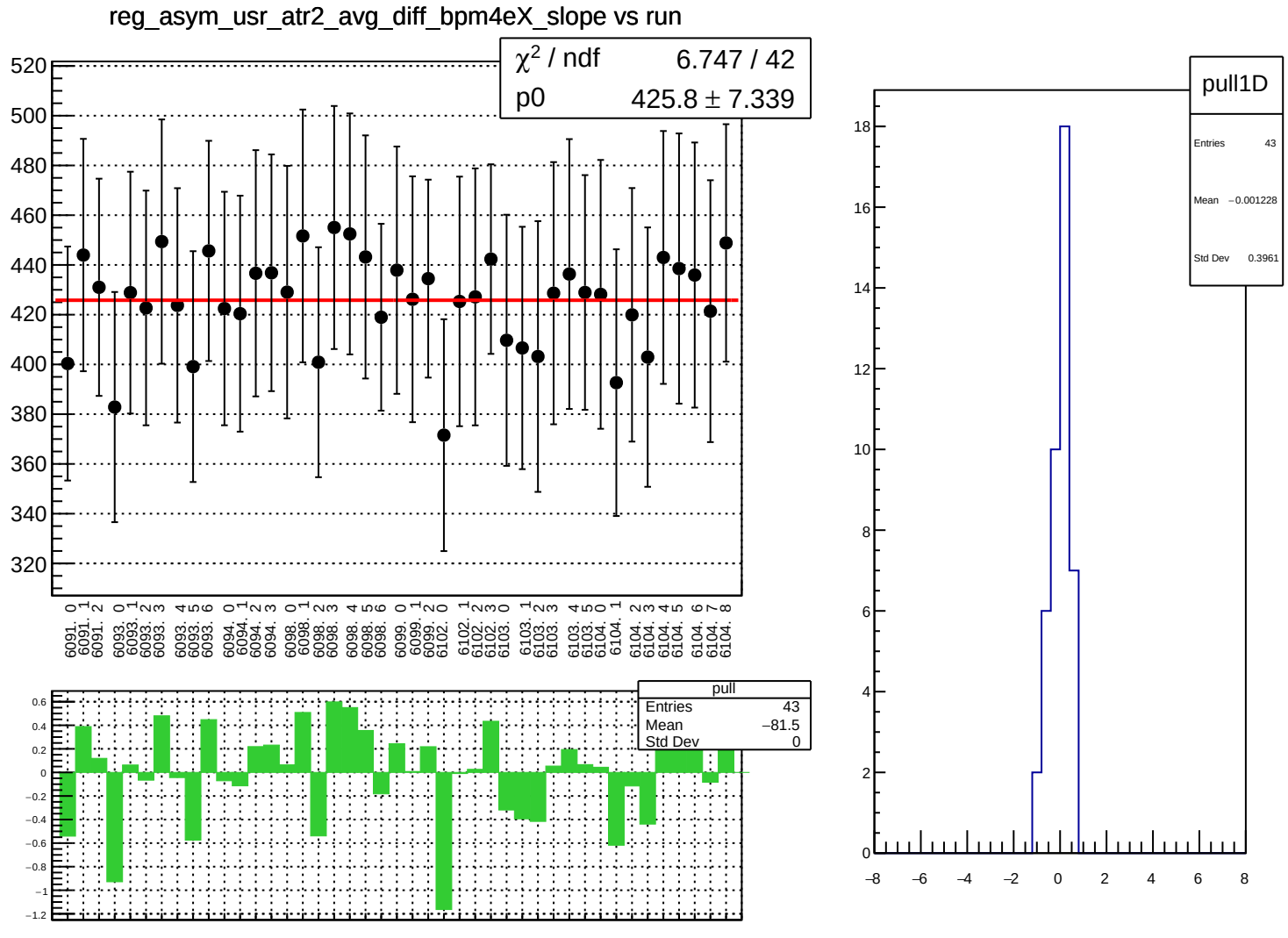

reg_asym_usr_atr1_dd_diff_bpm4eY_slope vs run
χ² / ndf 27.62 / 42
p0 28.17 ± 2.33
80
60
40
20
0
−20
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean −571.1
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 43
Mean 0.004067
Std Dev 0.8015
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

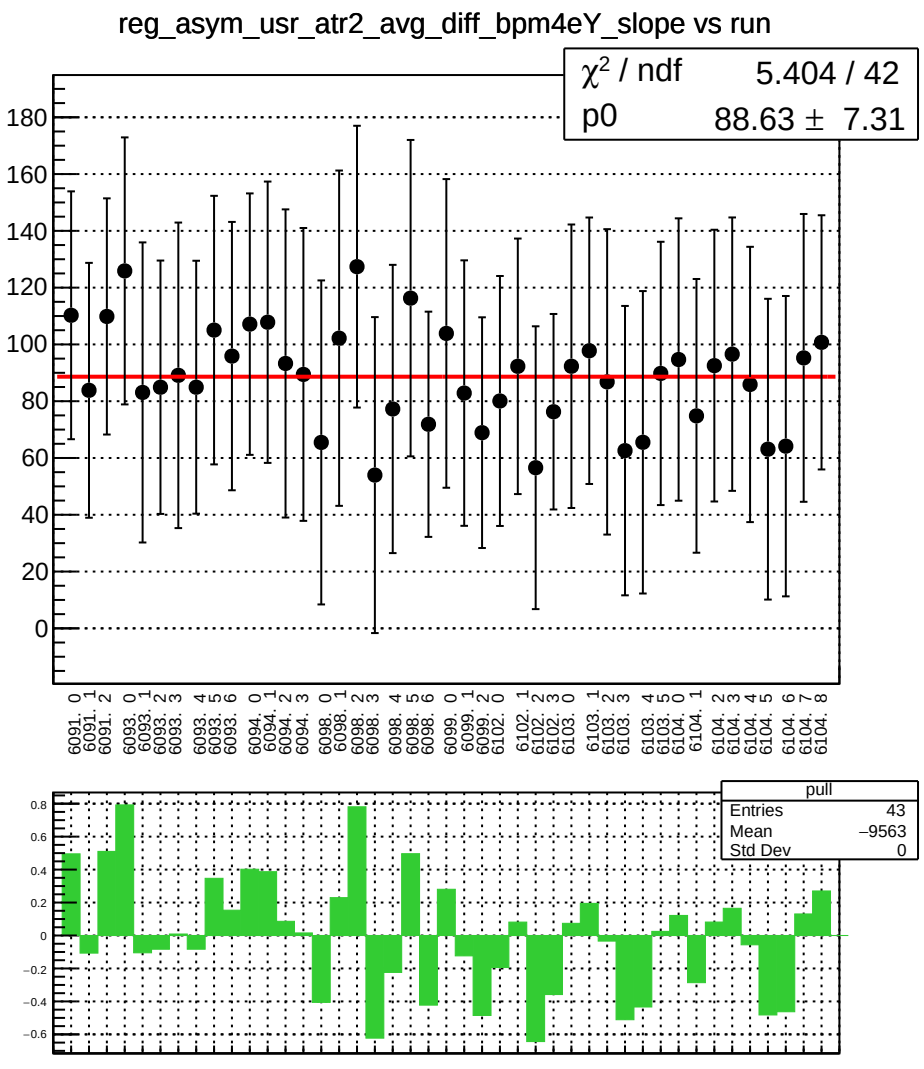

reg_asym_usr_atr1_dd_diff_bpm12X_slope vs run
χ² / ndf 26.69 / 42
p0 −6.281 ± 0.1768
pull
Entries 43
Mean 290.2
Std Dev 0
pull1D
Entries 43
Mean −0.008419
Std Dev 0.7878

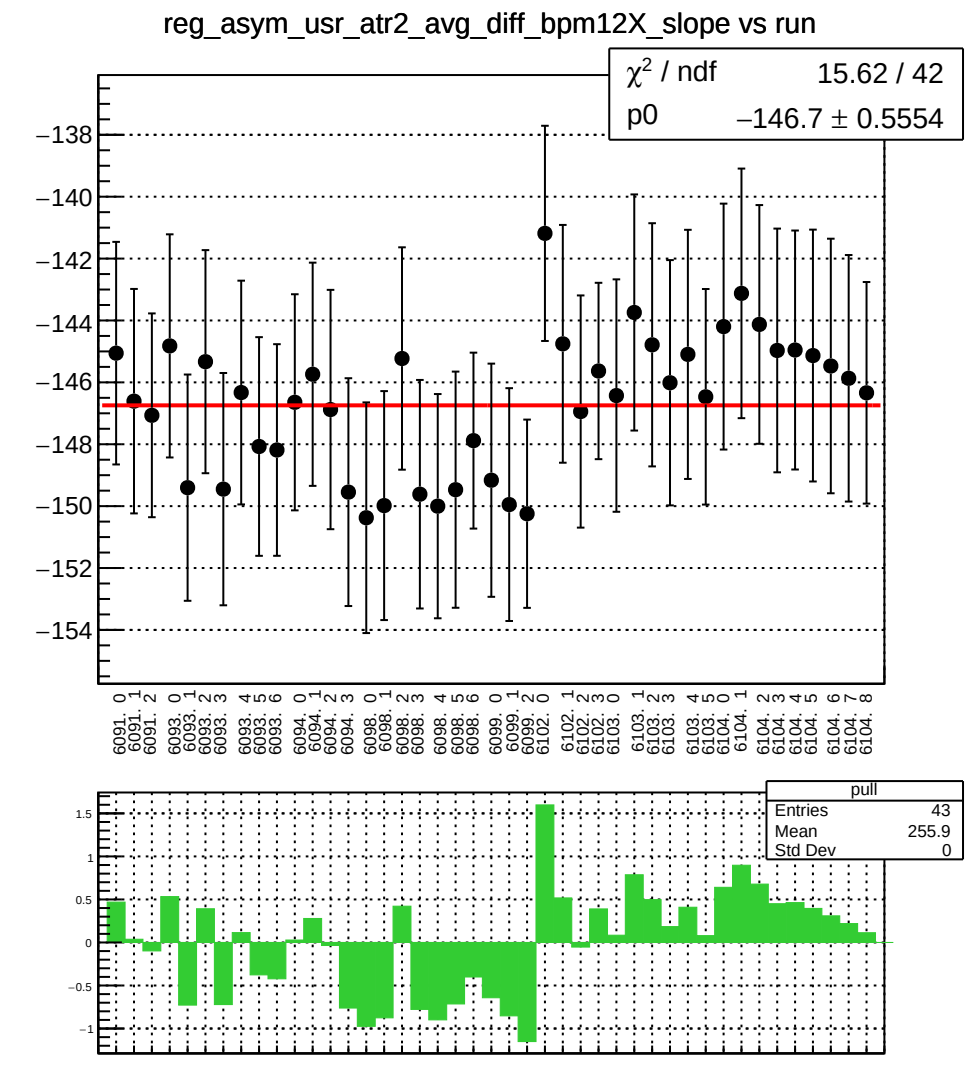

reg_asym_usr_atr2_avg_diff_bpm1X_slope vs run
χ² / ndf 6.646 / 42
p0 −258 ± 6.007
pull
Entries 43
Mean −234.1
Std Dev 0

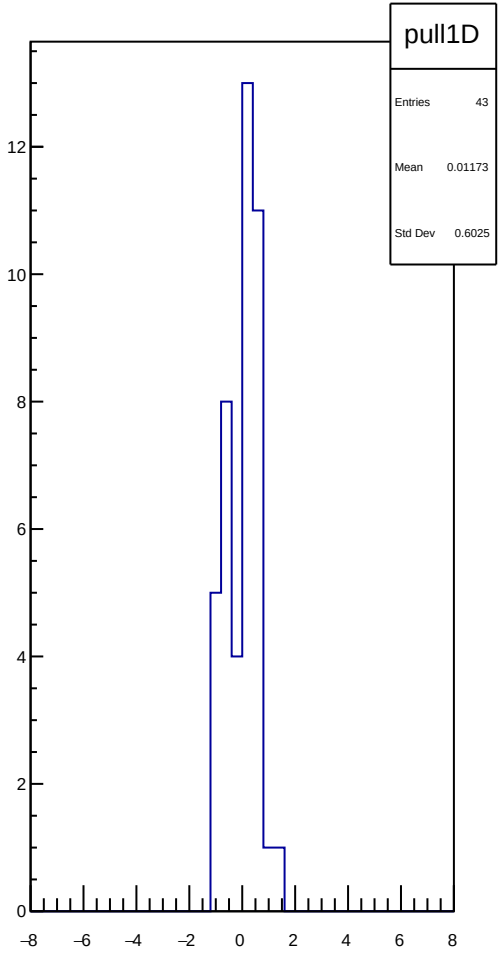

pull1D
Entries 43
Mean 0.0009232
Std Dev 0.3931

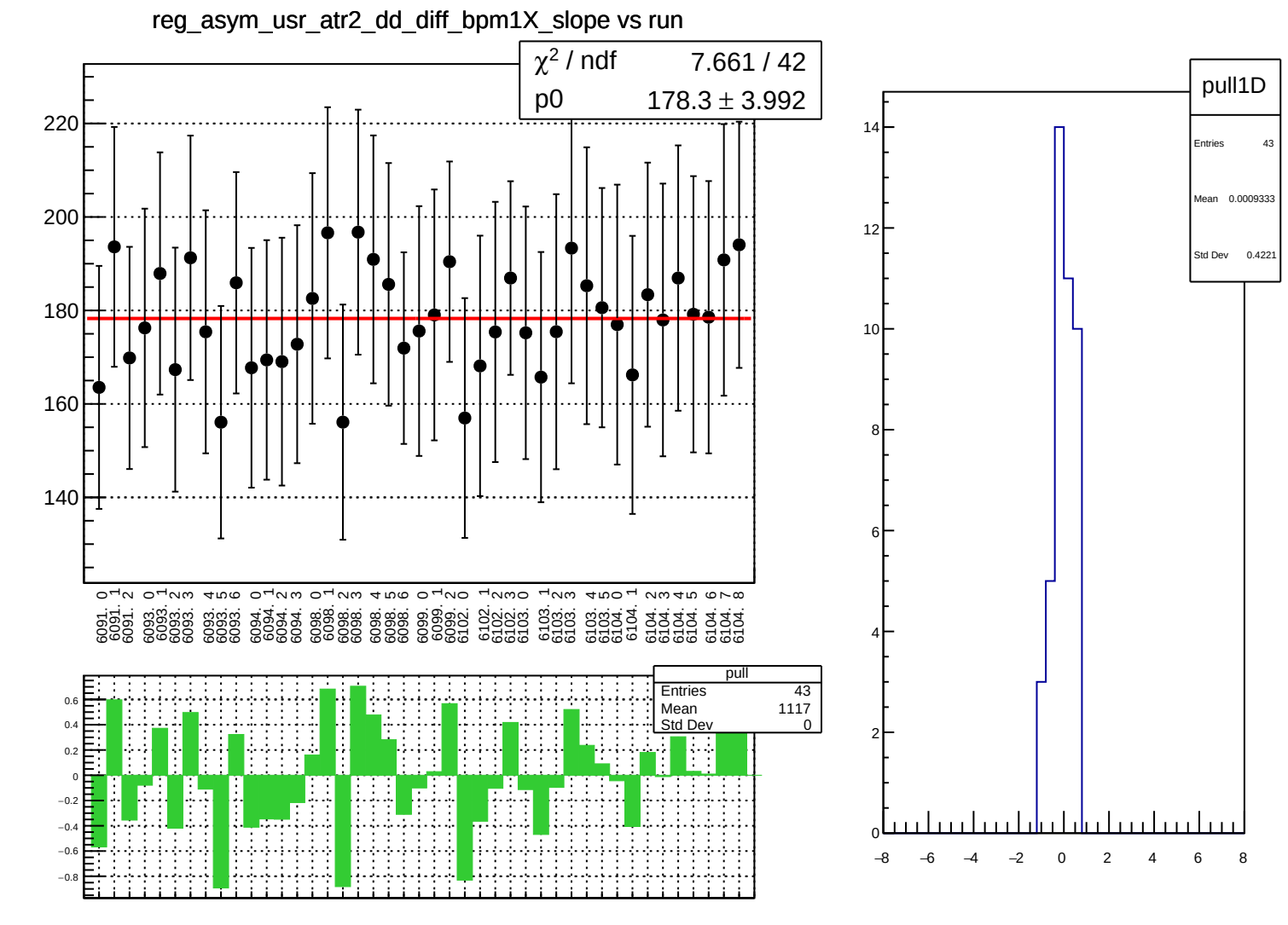

reg_asym_usr_atr2_avg_diff_bpm4aY_slope vs run
χ² / ndf 4.489 / 42
p0 −4.01 ± 6.913
pull
Entries 43
Mean −464
Std Dev 0
pull1D
Entries 43
Mean −0.001782
Std Dev 0.3231

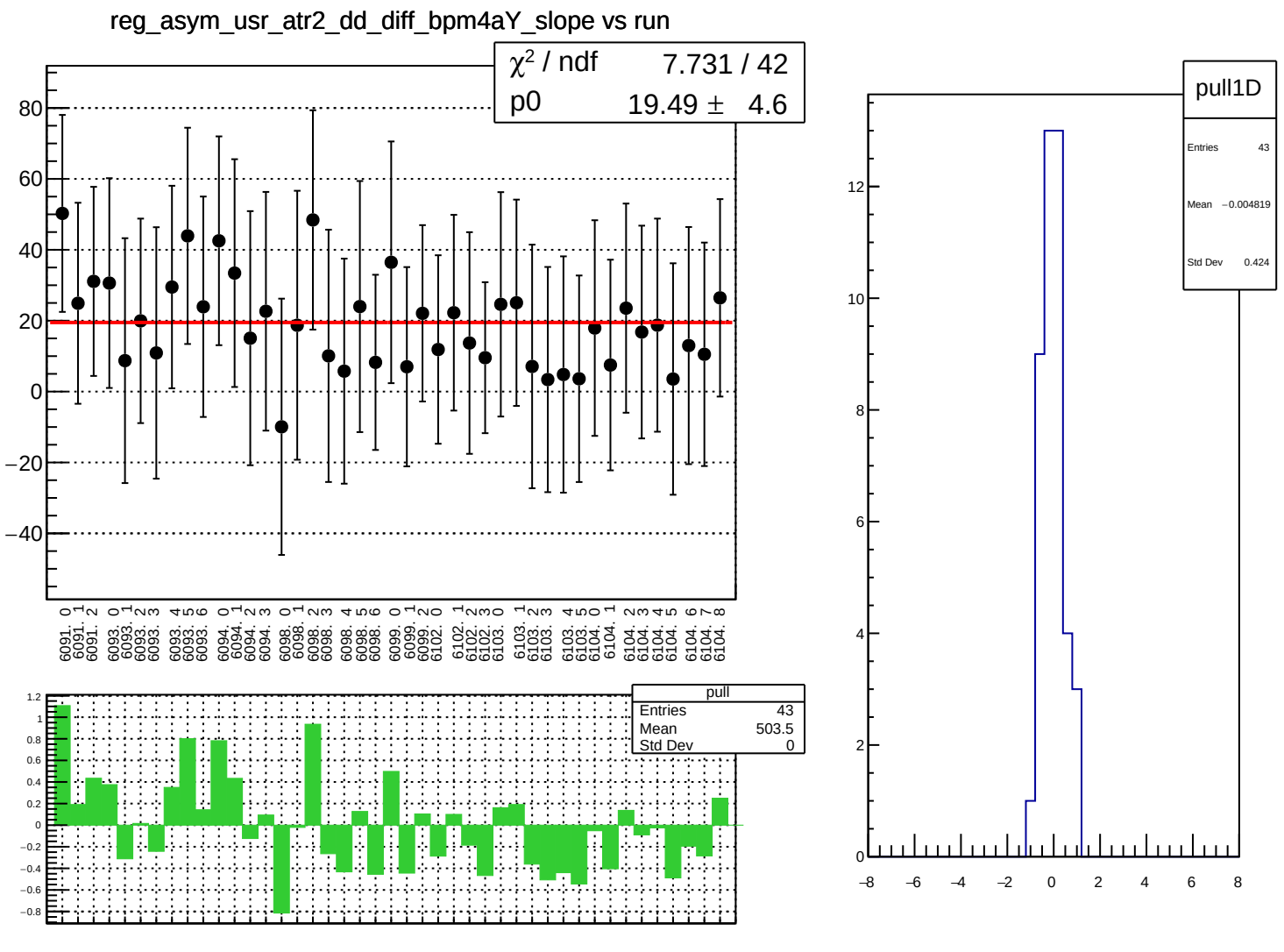

reg_asym_usr_atr2_avg_diff_bpm4eX_slope vs run
χ² / ndf 6.747 / 42
p0 425.8 ± 7.339
pull
Entries 43
Mean −81.5
Std Dev 0
pull1D
Entries 43
Mean −0.001228
Std Dev 0.3961

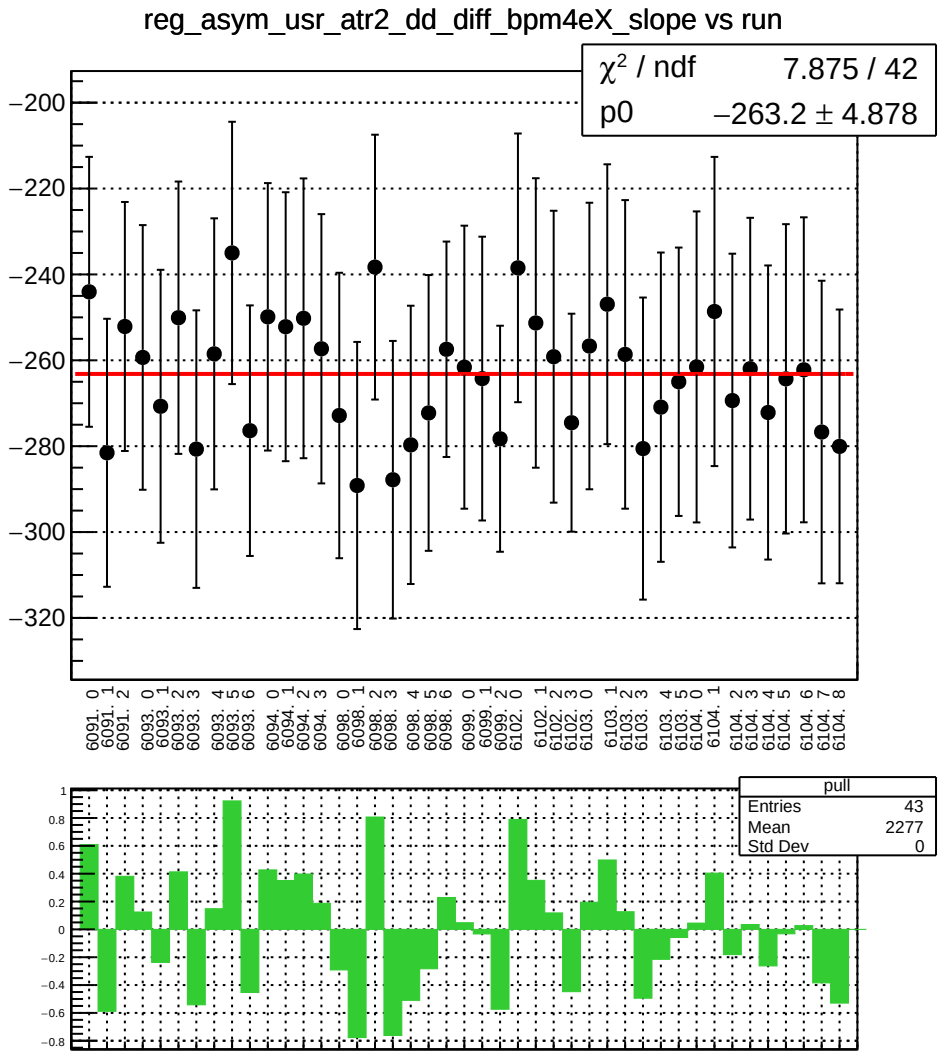

reg_asym_usr_atr2_avg_diff_bpm4eY_slope vs run
χ² / ndf 5.404 / 42
p0 88.63 ± 7.31
pull
Entries 43
Mean −9563
Std Dev 0
pull1D
Entries 43
Mean 0.0001619
Std Dev 0.3545

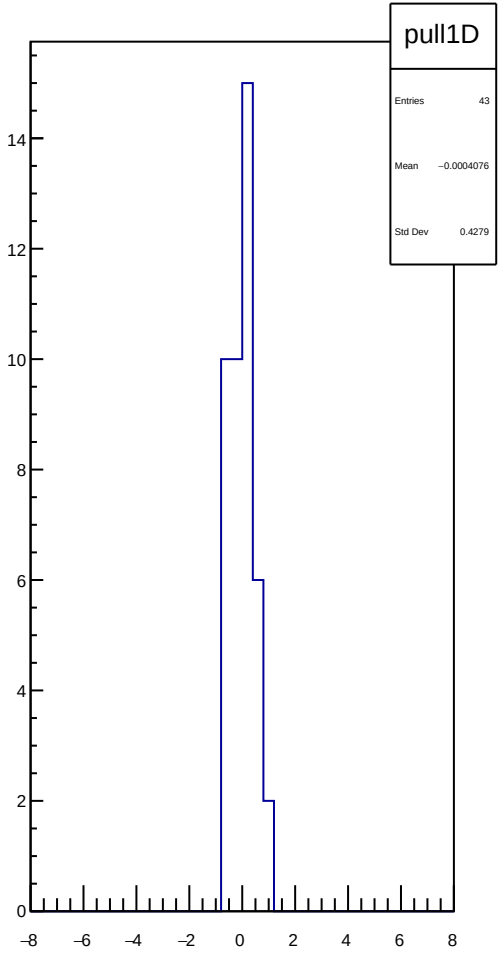

reg_asym_usr_atr2_avg_diff_bpm12X_slope vs run
χ² / ndf 15.62 / 42
p0 −146.7 ± 0.5554
pull
Entries 43
Mean 255.9
Std Dev 0

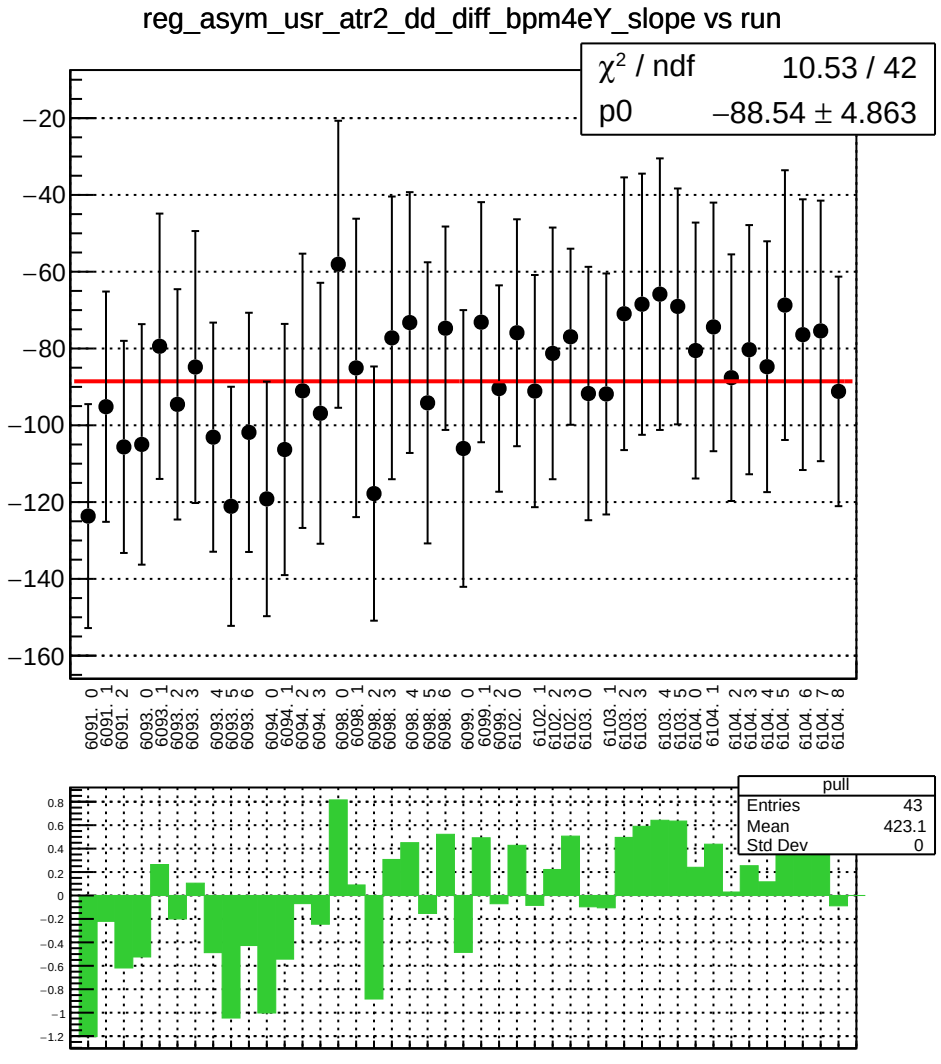

pull1D
Entries 43
Mean 0.01173
Std Dev 0.6025

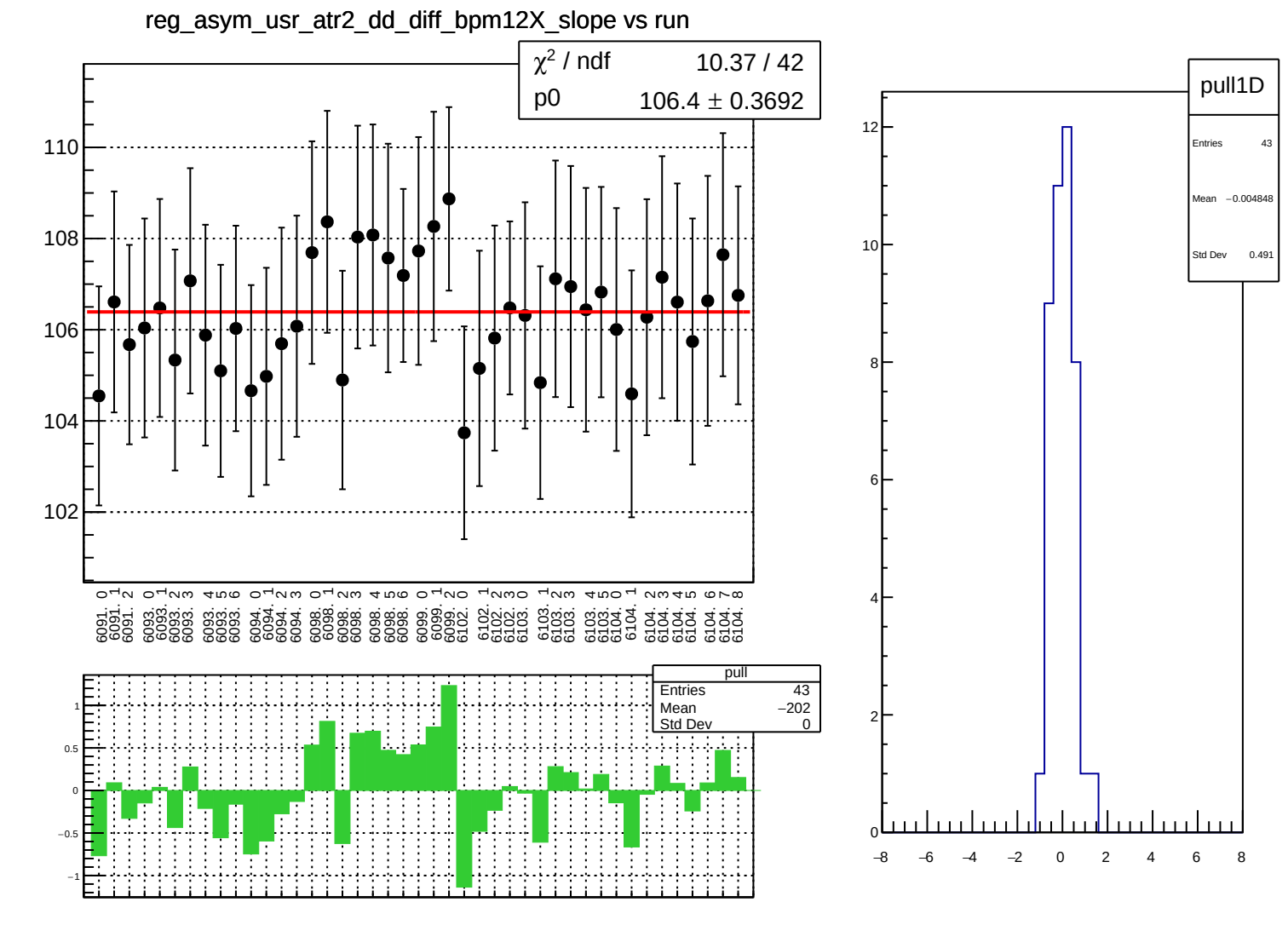

reg_asym_usr_atr2_dd_diff_bpm1X_slope vs run
χ² / ndf 7.661 / 42
p0 178.3 ± 3.992
220
200
180
160
140
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 1117
Std Dev 0
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
pull1D
Entries 43
Mean 0.0009333
Std Dev 0.4221
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

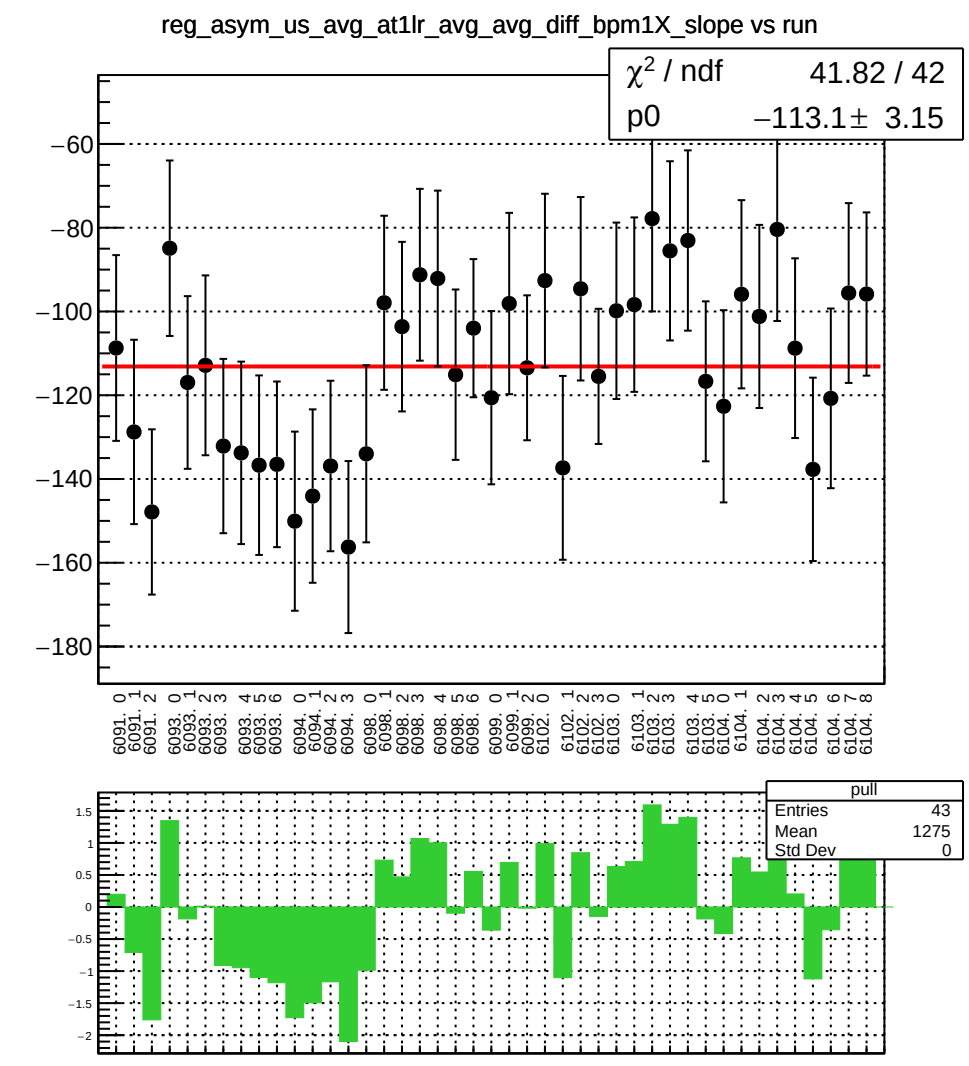

reg_asym_usr_atr2_dd_diff_bpm4aY_slope vs run
χ² / ndf 7.731 / 42
p0 19.49 ± 4.6
80
60
40
20
0
−20
−40
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 503.5
Std Dev 0
1.2
1
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
pull1D
Entries 43
Mean −0.004819
Std Dev 0.424
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

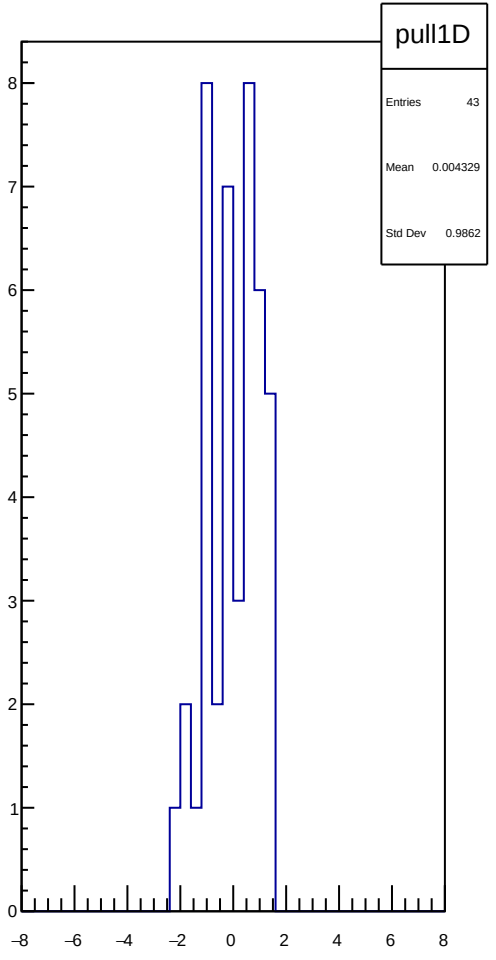

reg_asym_usr_atr2_dd_diff_bpm4eX_slope vs run
χ² / ndf 7.875 / 42
p0 −263.2 ± 4.878
−200
−220
−240
−260
−280
−300
−320
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 2277
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8

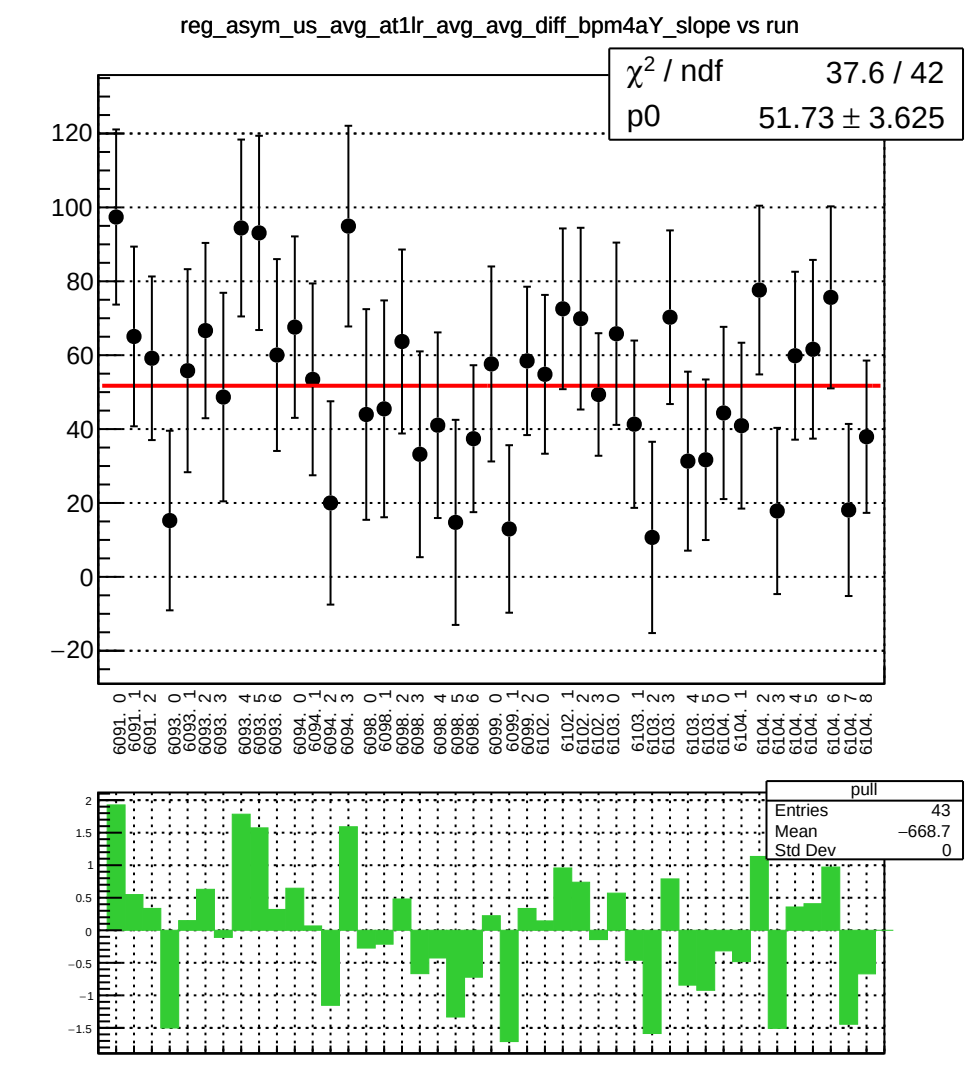

pull1D
Entries 43
Mean −0.0004076
Std Dev 0.4279
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

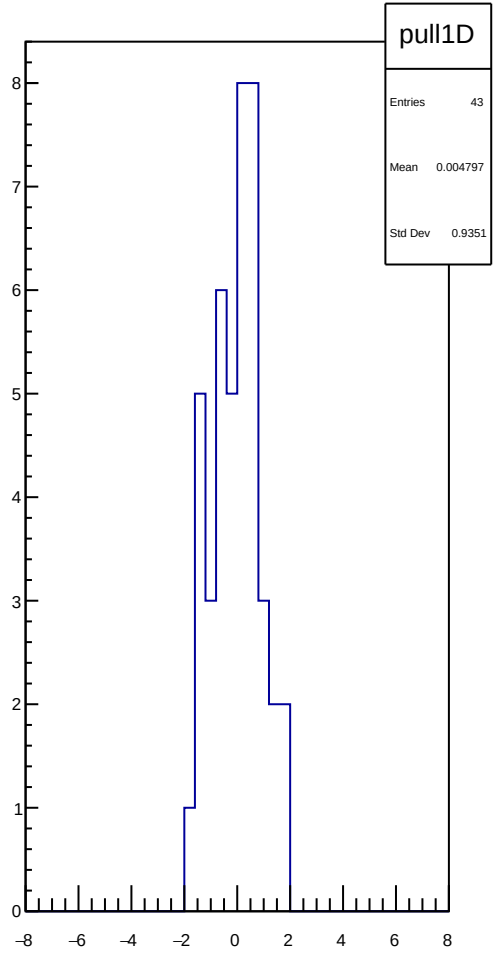

reg_asym_usr_atr2_dd_diff_bpm4eY_slope vs run
χ² / ndf 10.53 / 42
p0 −88.54 ± 4.863
pull
Entries 43
Mean 423.1
Std Dev 0
pull1D
Entries 43
Mean 0.008994
Std Dev 0.4948

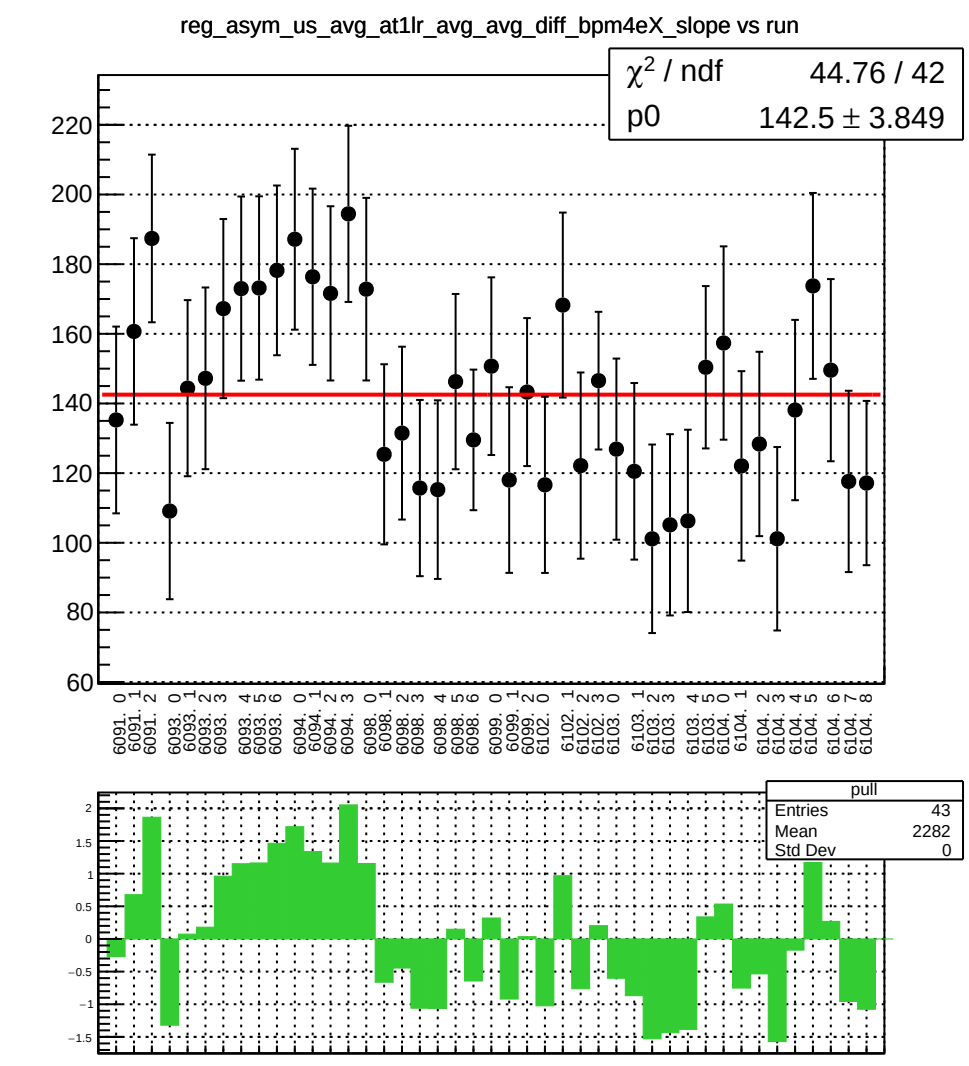

reg_asym_usr_atr2_dd_diff_bpm12X_slope vs run
χ² / ndf 10.37 / 42
p0 106.4 ± 0.3692
110
108
106
104
102
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean −202
Std Dev 0
1
0.5
0
−0.5
−1
pull1D
Entries 43
Mean −0.004848
Std Dev 0.491
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

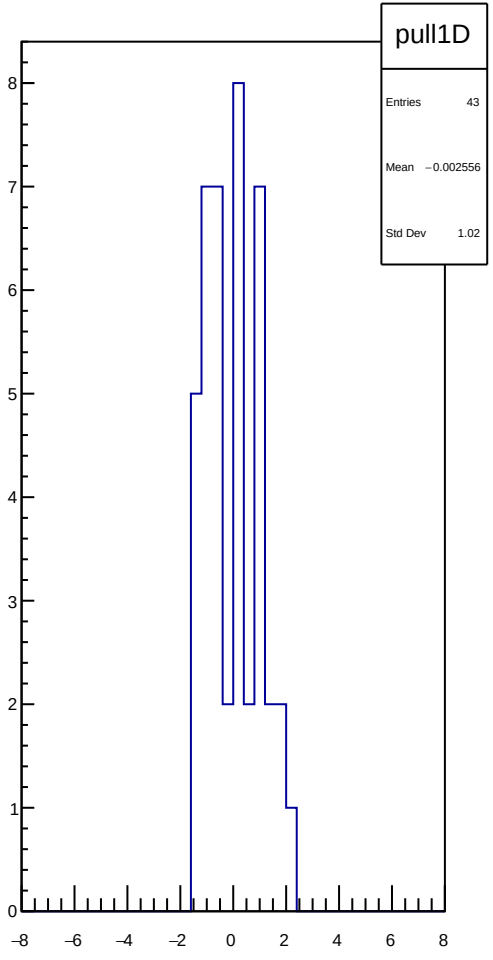

reg_asym_us_avg_at1lr_avg_avg_diff_bpm1X_slope vs run
χ² / ndf 41.82 / 42
p0 −113.1± 3.15
pull
Entries 43
Mean 1275
Std Dev 0

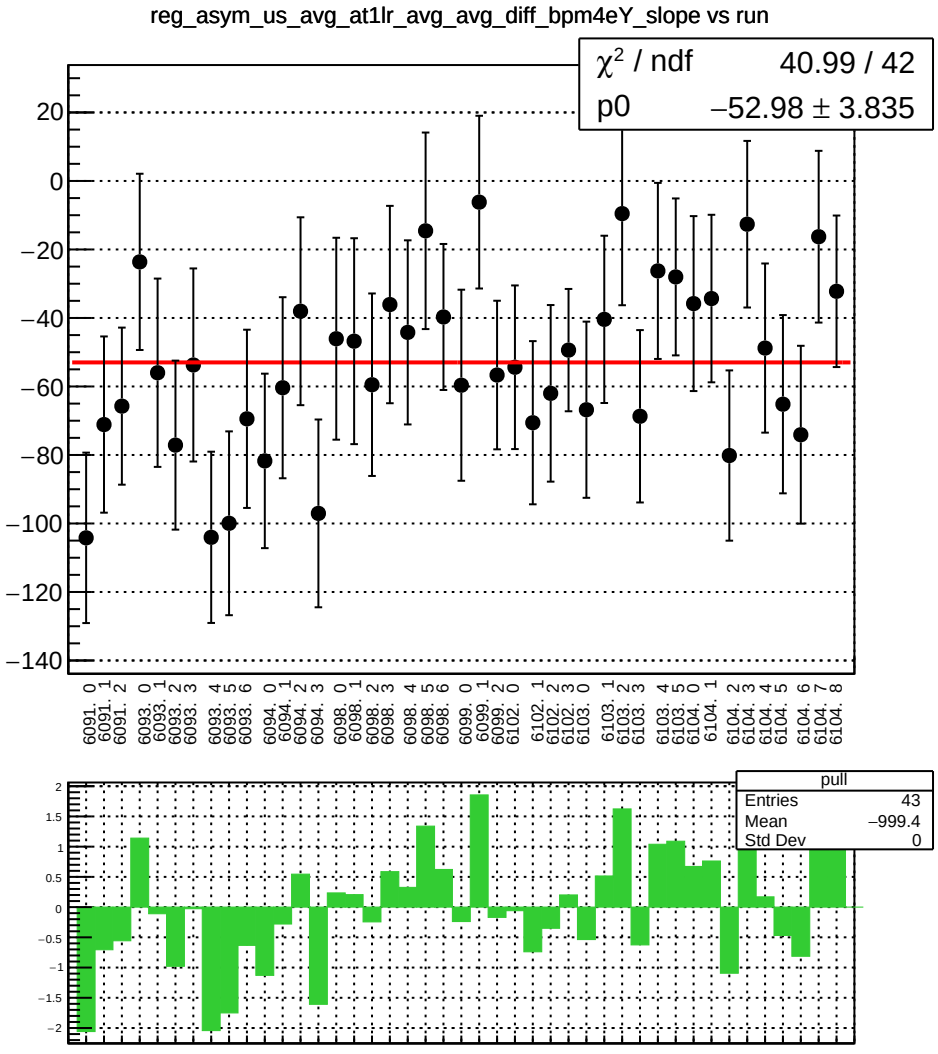

pull1D
Entries 43
Mean 0.004329
Std Dev 0.9862

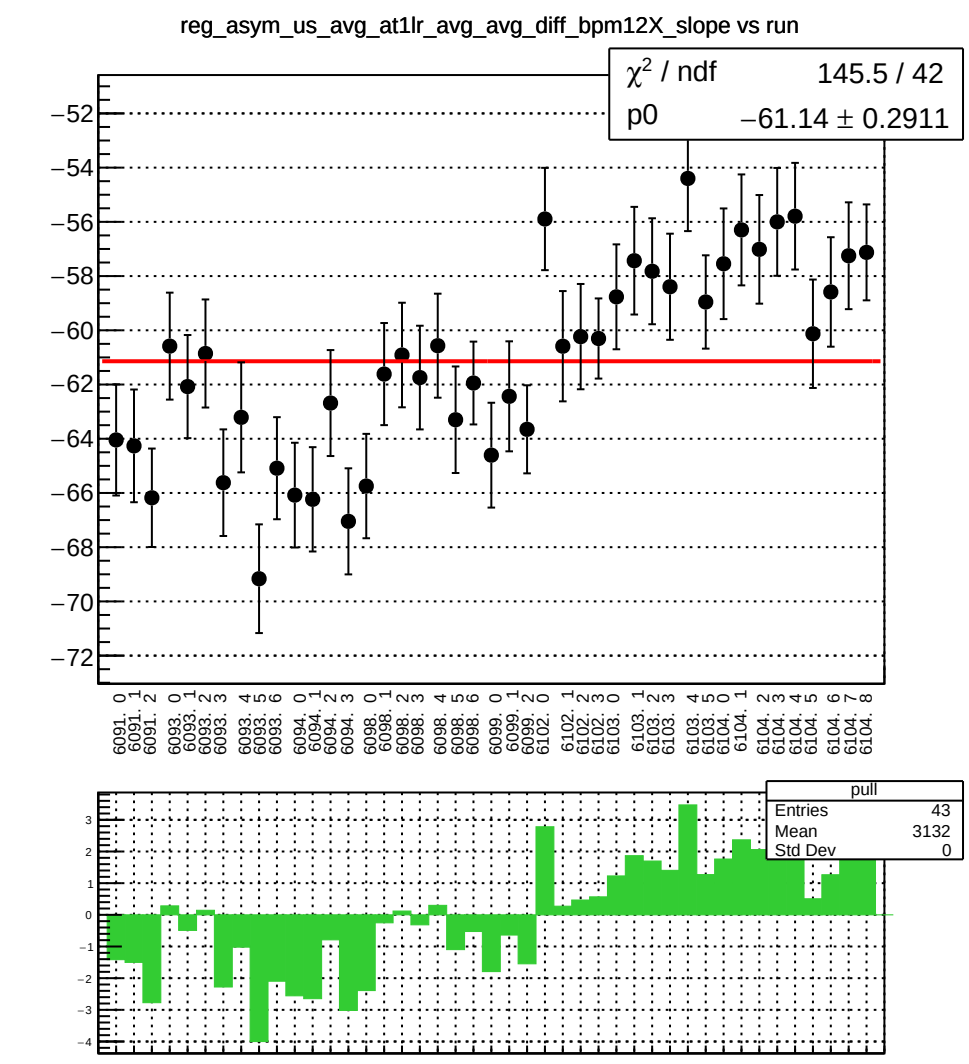

reg_asym_us_avg_at1lr_avg_avg_diff_bpm4aY_slope vs run
χ² / ndf 37.6 / 42
p0 51.73 ± 3.625
pull
Entries 43
Mean −668.7
Std Dev 0

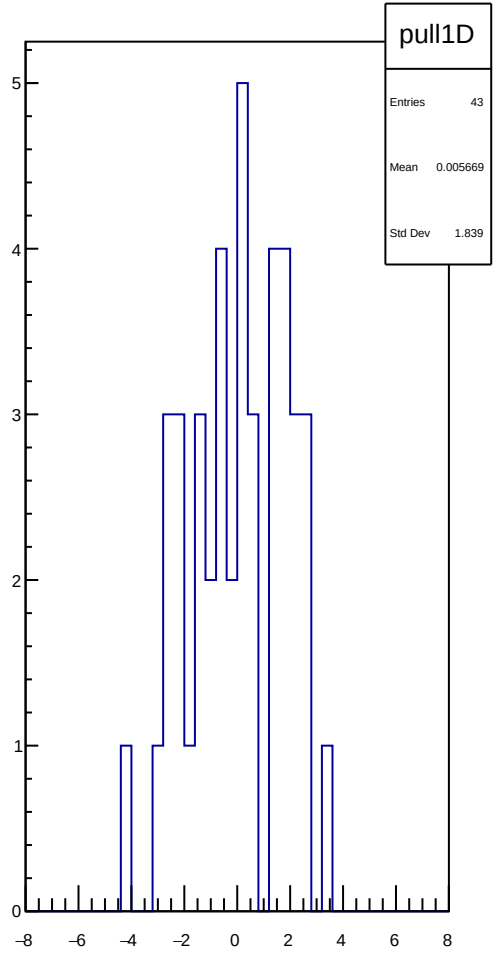

pull1D
Entries 43
Mean 0.004797
Std Dev 0.9351

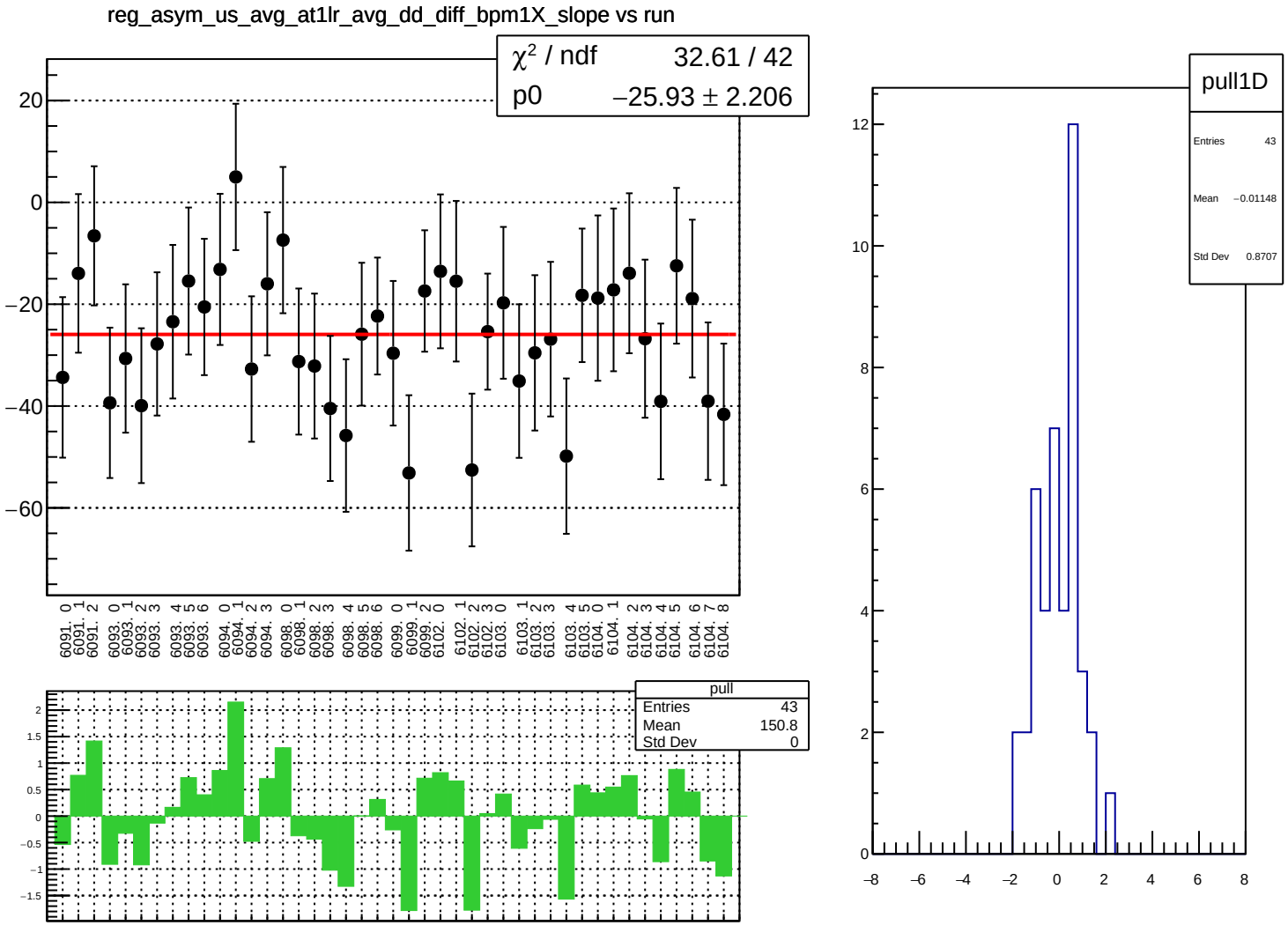

reg_asym_us_avg_at1lr_avg_avg_diff_bpm4eX_slope vs run
χ² / ndf 44.76 / 42
p0 142.5 ± 3.849
pull
Entries 43
Mean 2282
Std Dev 0

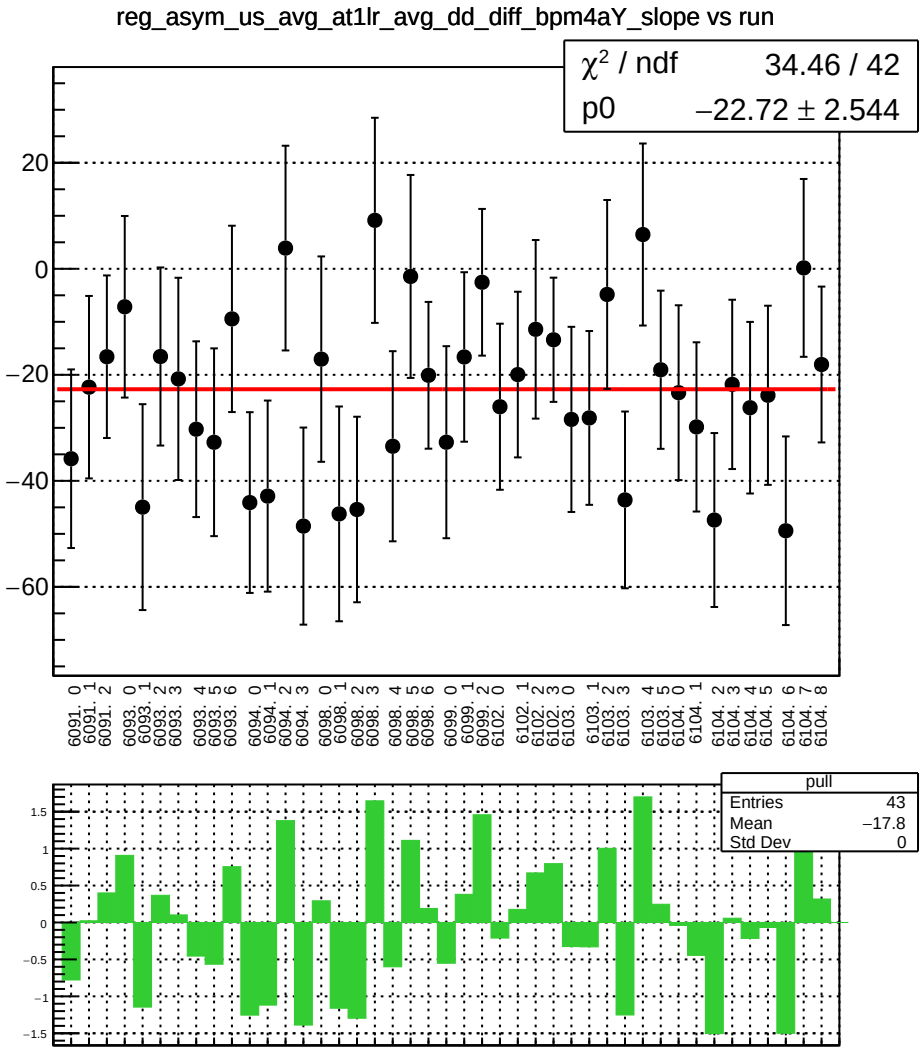

pull1D
Entries 43
Mean −0.002556
Std Dev 1.02

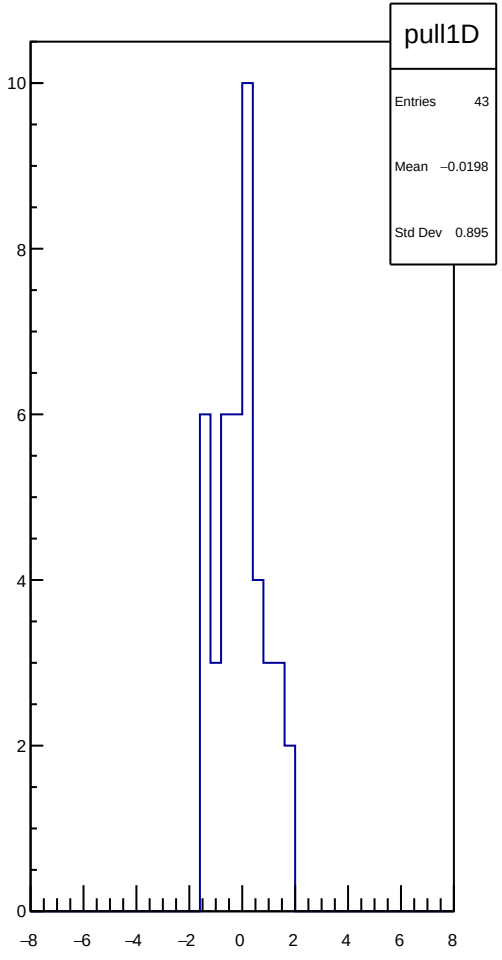

reg_asym_us_avg_at1lr_avg_avg_diff_bpm4eY_slope vs run
χ² / ndf 40.99 / 42
p0 −52.98 ± 3.835
pull
Entries 43
Mean −999.4
Std Dev 0
pull1D
Entries 43
Mean −0.005188
Std Dev 0.9763

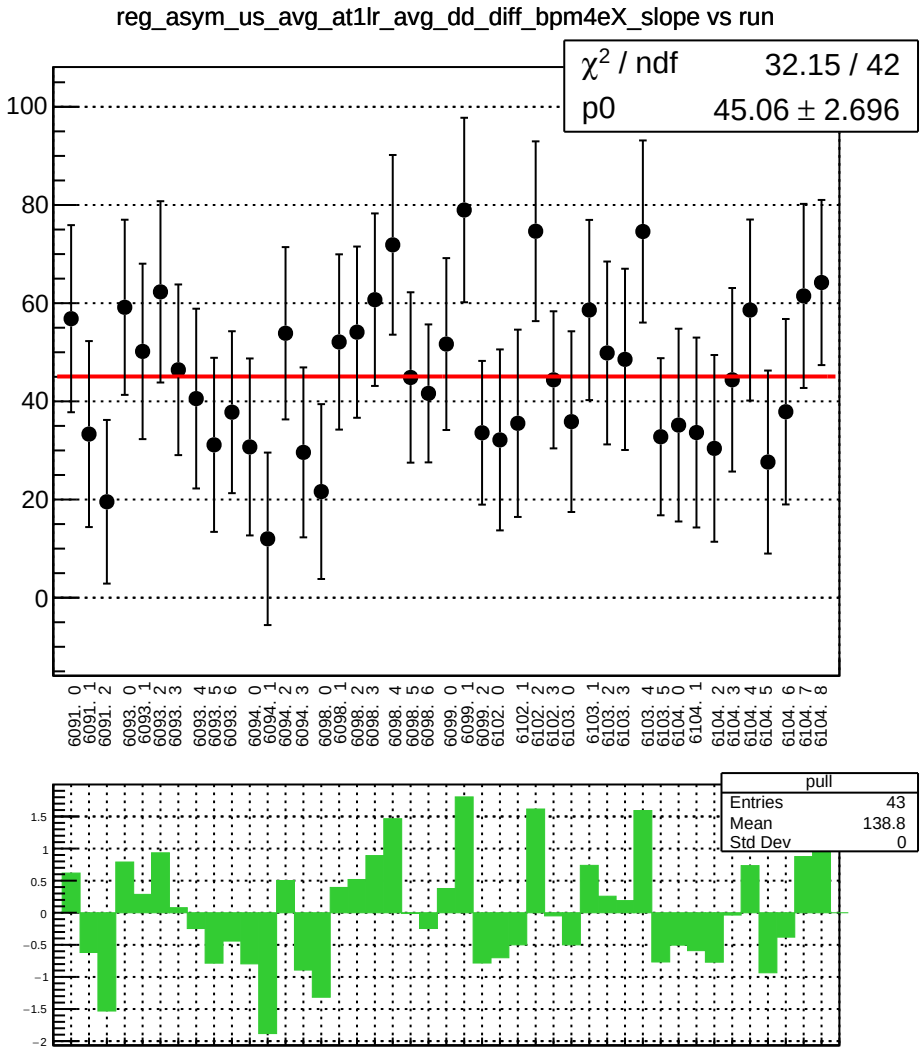

reg_asym_us_avg_at1lr_avg_avg_diff_bpm12X_slope vs run
χ² / ndf 145.5 / 42
p0 −61.14 ± 0.2911
pull
Entries 43
Mean 3132
Std Dev 0

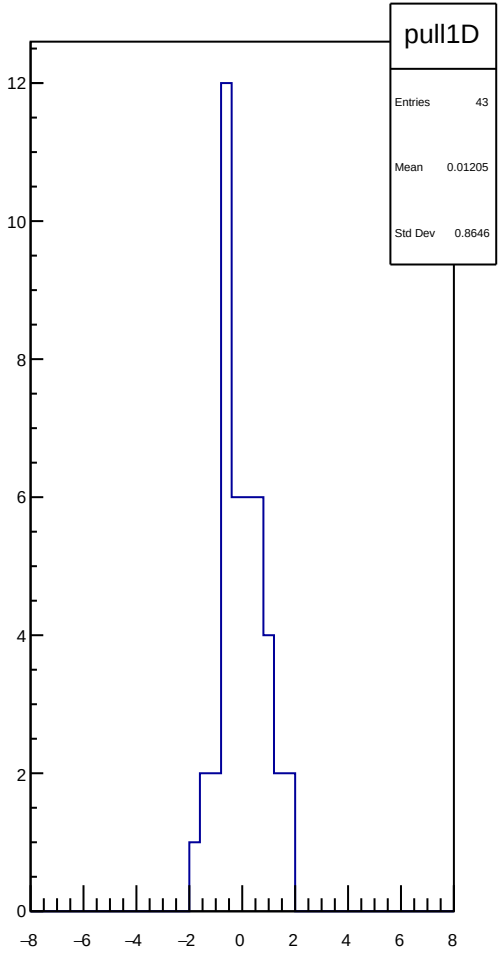

pull1D
Entries 43
Mean 0.005669
Std Dev 1.839

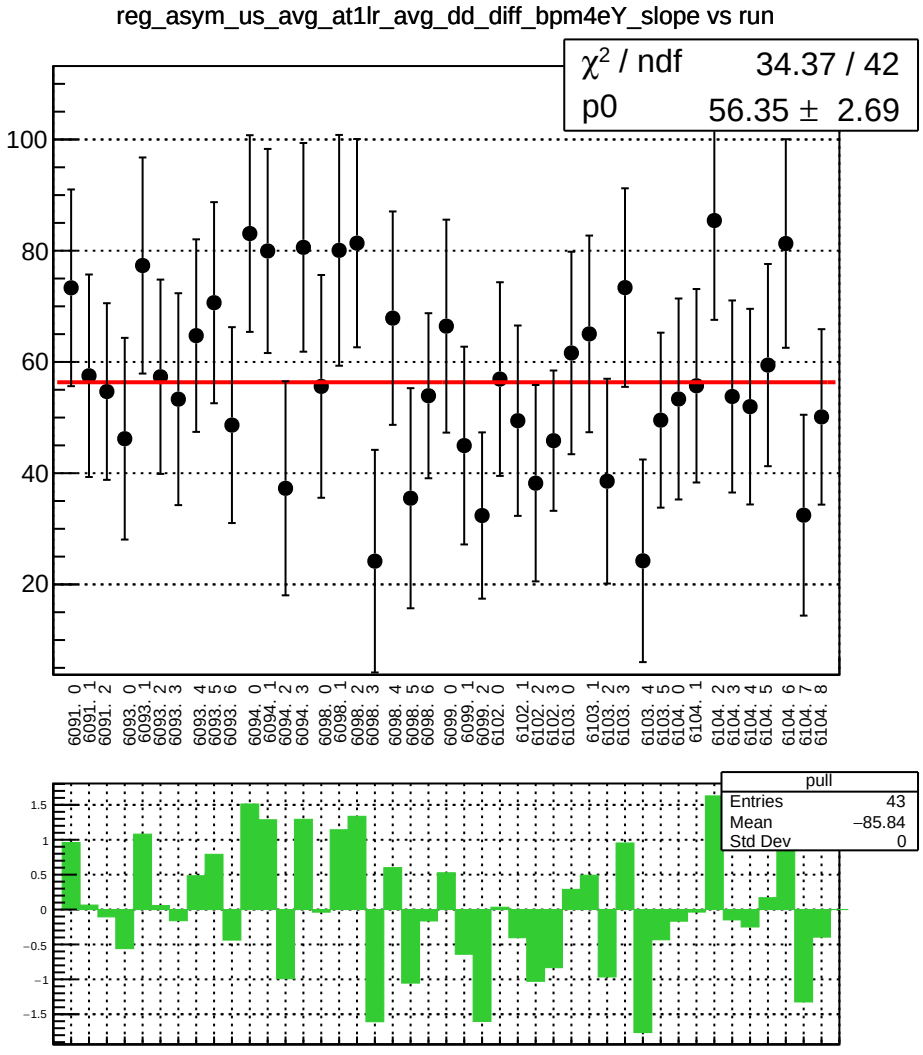

reg_asym_us_avg_at1lr_avg_dd_diff_bpm1X_slope vs run
χ² / ndf 32.61 / 42
p0 −25.93 ± 2.206
20
0
−20
−40
−60
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 150.8
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 43
Mean −0.01148
Std Dev 0.8707
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

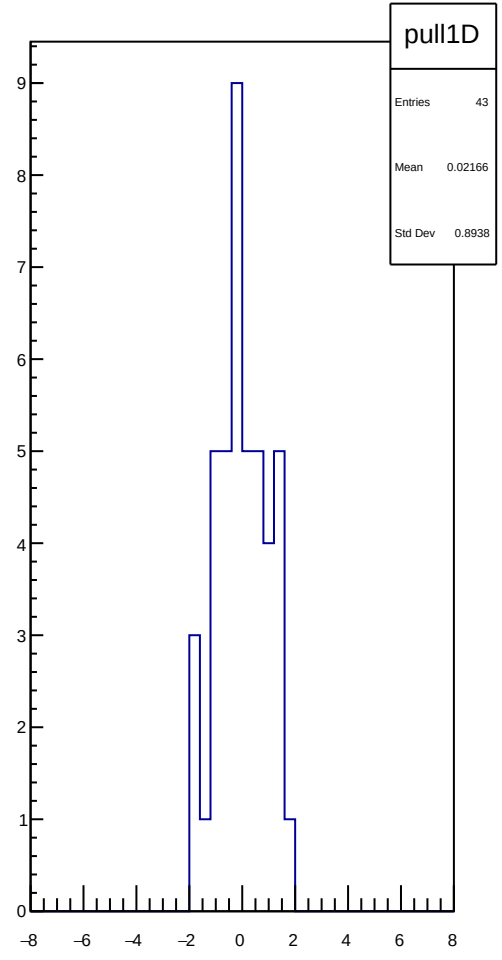

reg_asym_us_avg_at1lr_avg_dd_diff_bpm4aY_slope vs run
χ² / ndf 34.46 / 42
p0 −22.72 ± 2.544
20
0
−20
−40
−60
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean −17.8
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5

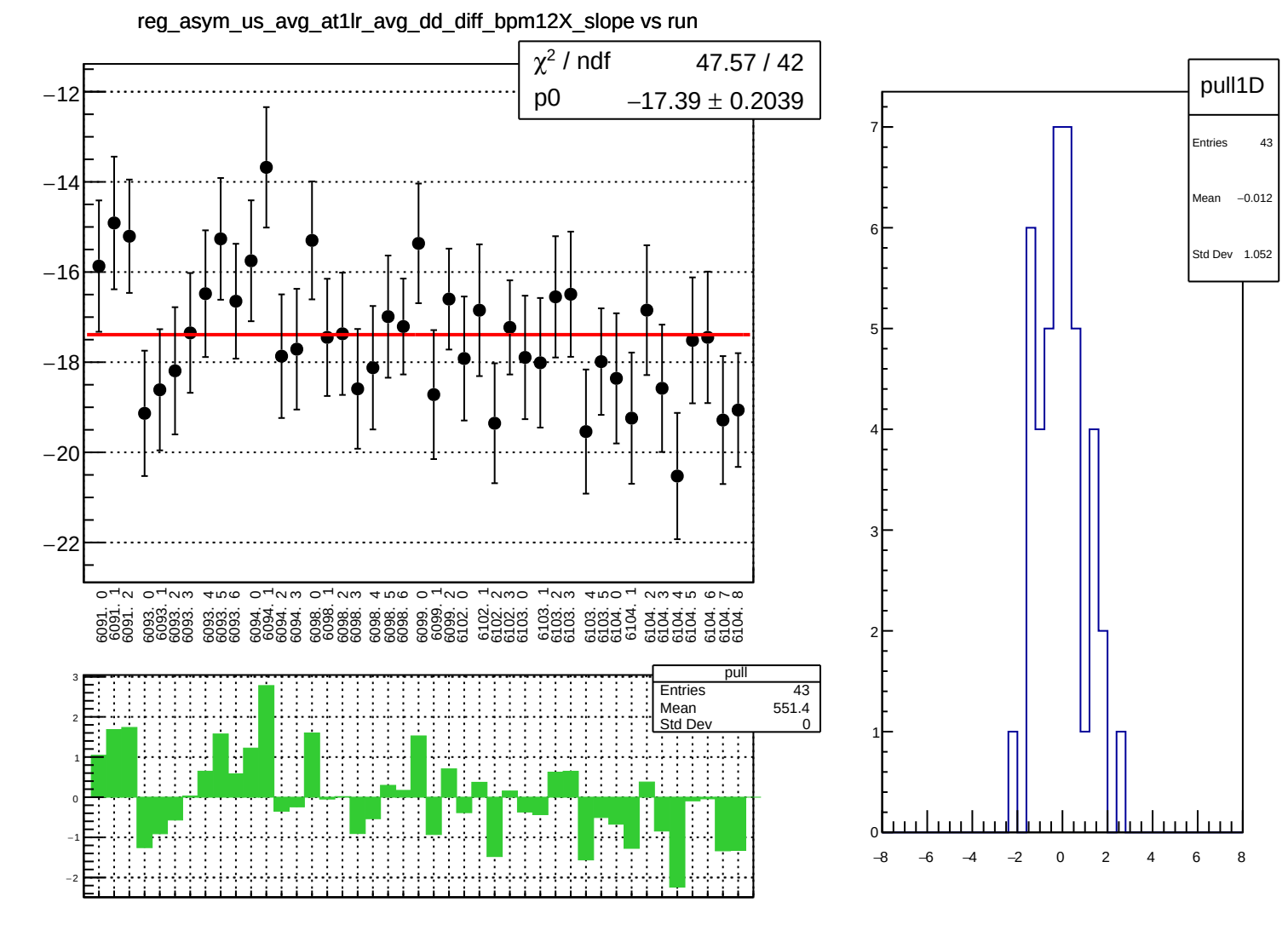

pull1D
Entries 43
Mean −0.0198
Std Dev 0.895
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

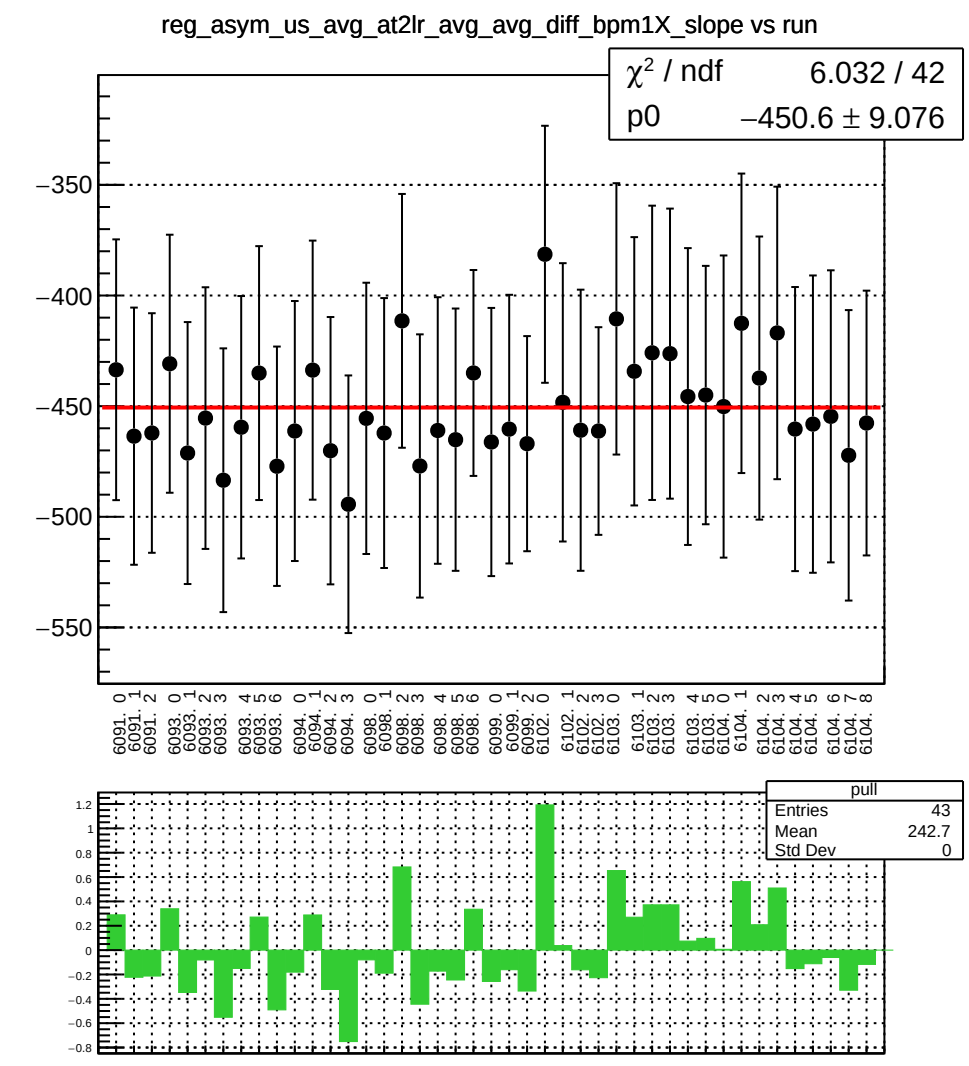

reg_asym_us_avg_at1lr_avg_dd_diff_bpm4eX_slope vs run
χ² / ndf 32.15 / 42
p0 45.06 ± 2.696
pull
Entries 43
Mean 138.8
Std Dev 0

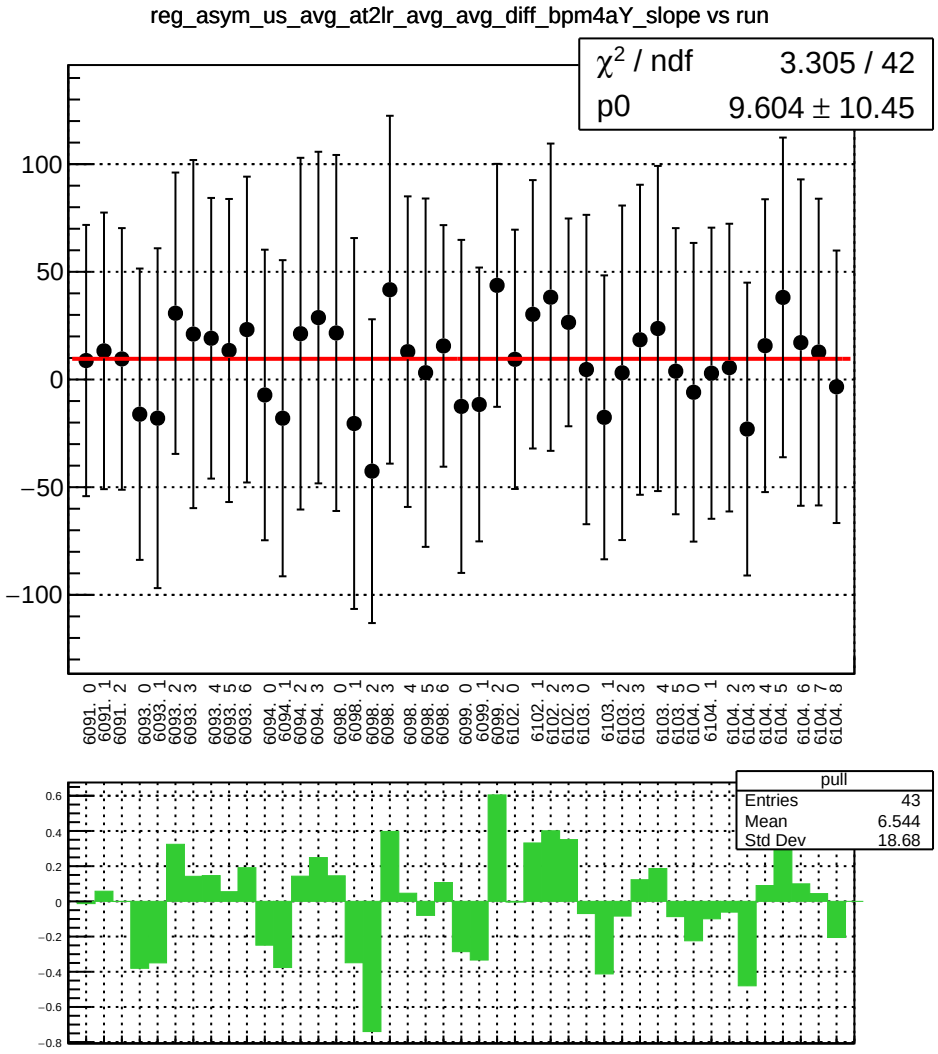

pull1D
Entries 43
Mean 0.01205
Std Dev 0.8646

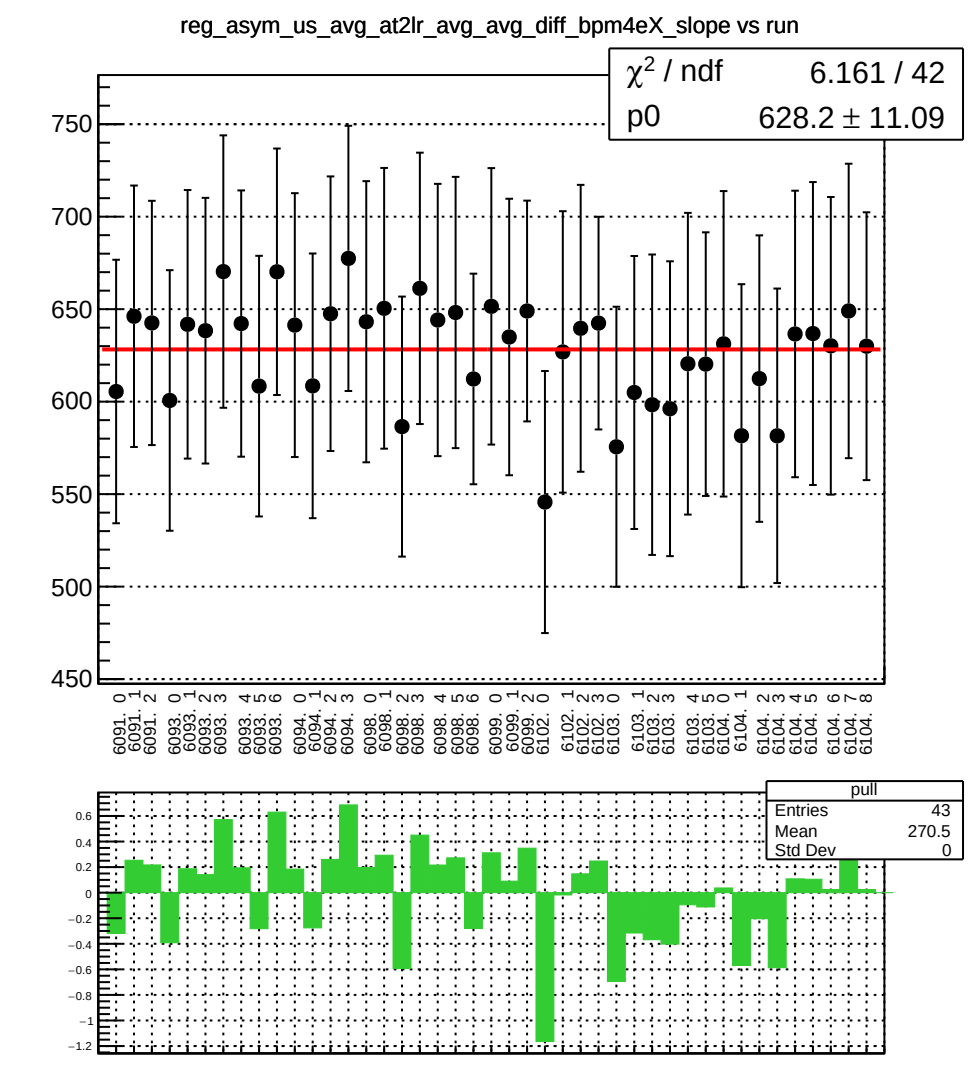

reg_asym_us_avg_at1lr_avg_dd_diff_bpm4eY_slope vs run
χ² / ndf 34.37 / 42
p0 56.35 ± 2.69
pull
Entries 43
Mean −85.84
Std Dev 0

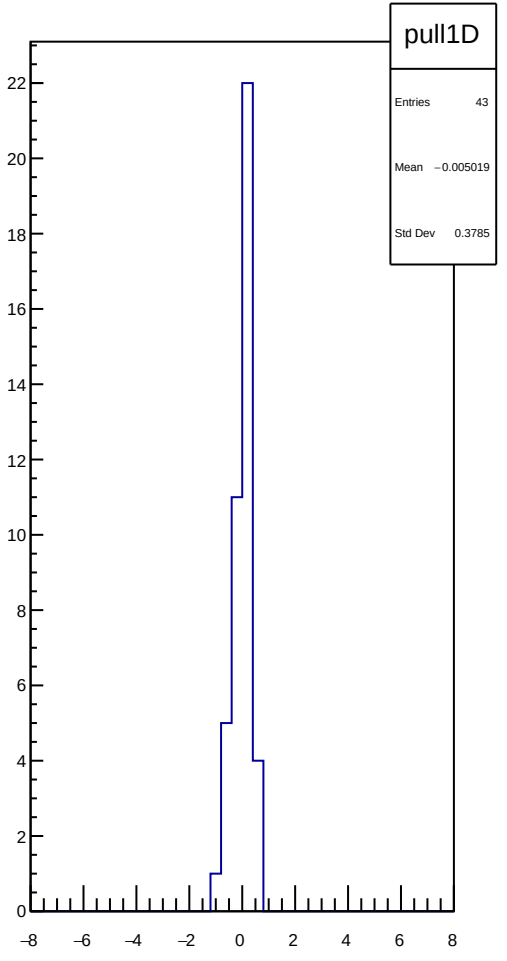

pull1D
Entries 43
Mean 0.02166
Std Dev 0.8938

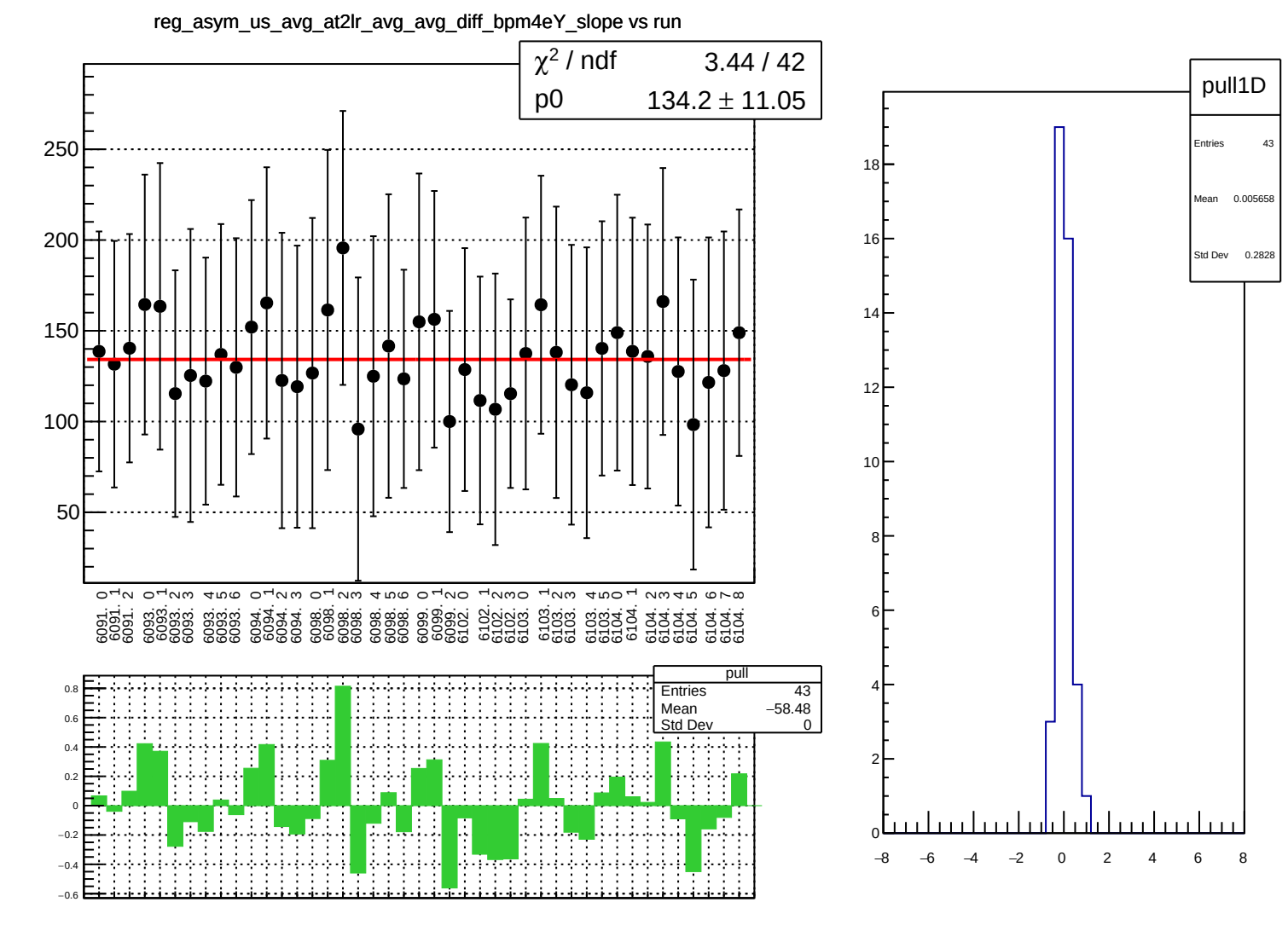

reg_asym_us_avg_at1lr_avg_dd_diff_bpm12X_slope vs run
χ² / ndf 47.57 / 42
p0 −17.39 ± 0.2039
pull
Entries 43
Mean 551.4
Std Dev 0
pull1D
Entries 43
Mean −0.012
Std Dev 1.052

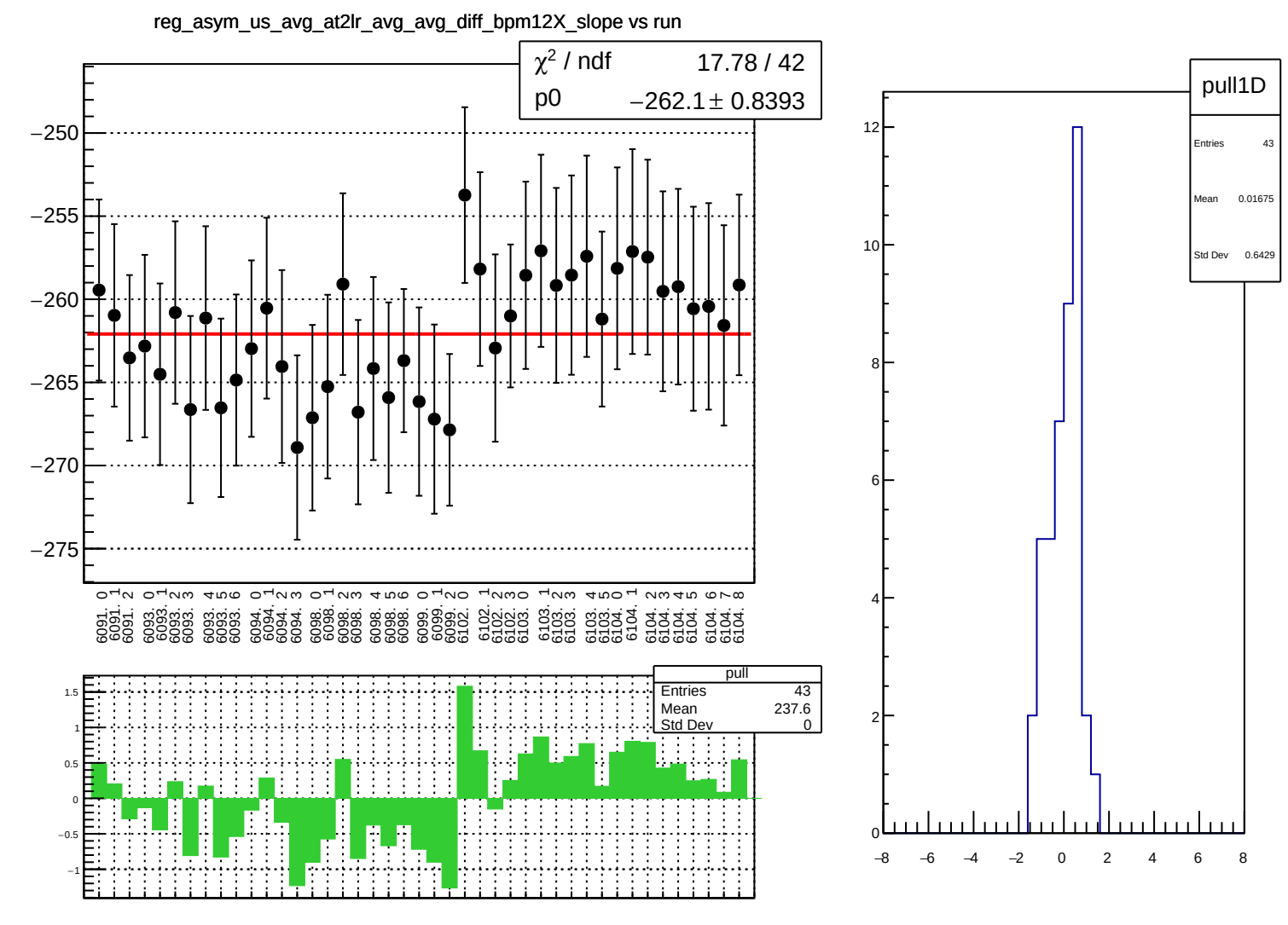

reg_asym_us_avg_at2lr_avg_avg_diff_bpm1X_slope vs run
χ² / ndf 6.032 / 42
p0 −450.6 ± 9.076
−350
−400
−450
−500
−550
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 242.7
Std Dev 0
1.2
1
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
pull1D
Entries 43
Mean 0.004829
Std Dev 0.3745
22
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

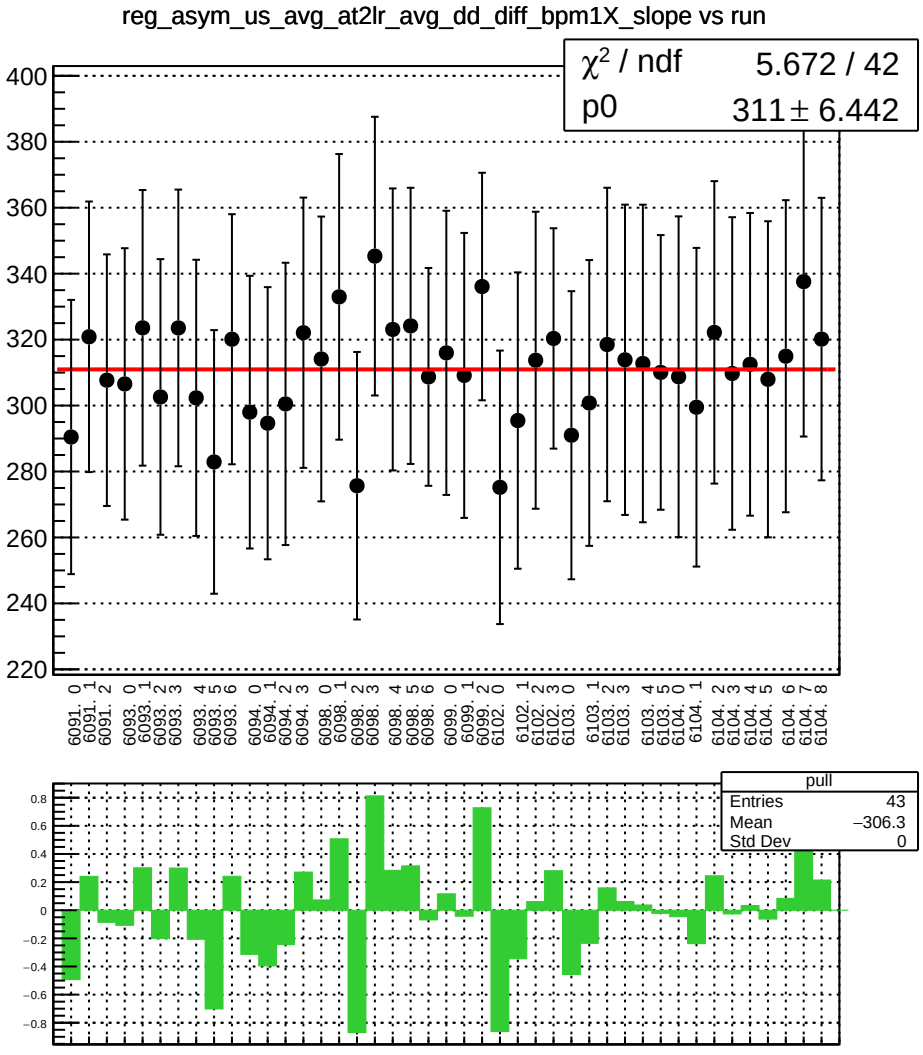

reg_asym_us_avg_at2lr_avg_avg_diff_bpm4aY_slope vs run
χ² / ndf 3.305 / 42
p0 9.604 ± 10.45
100
50
0
−50
−100
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 6.544
Std Dev 18.68
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
pull1D
Entries 43
Mean −0.00603
Std Dev 0.2772
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

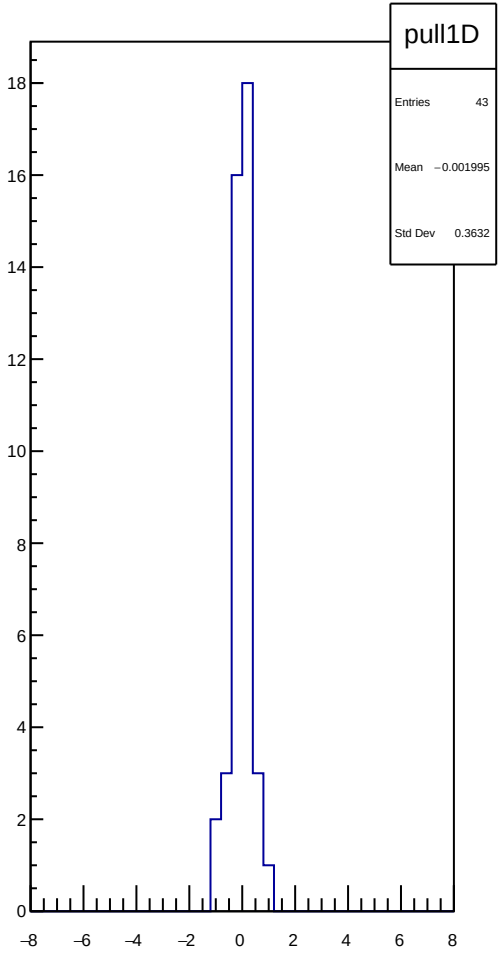

reg_asym_us_avg_at2lr_avg_avg_diff_bpm4eX_slope vs run
χ² / ndf 6.161 / 42
p0 628.2 ± 11.09
750
700
650
600
550
500
450
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 270.5
Std Dev 0
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
−1
−1.2

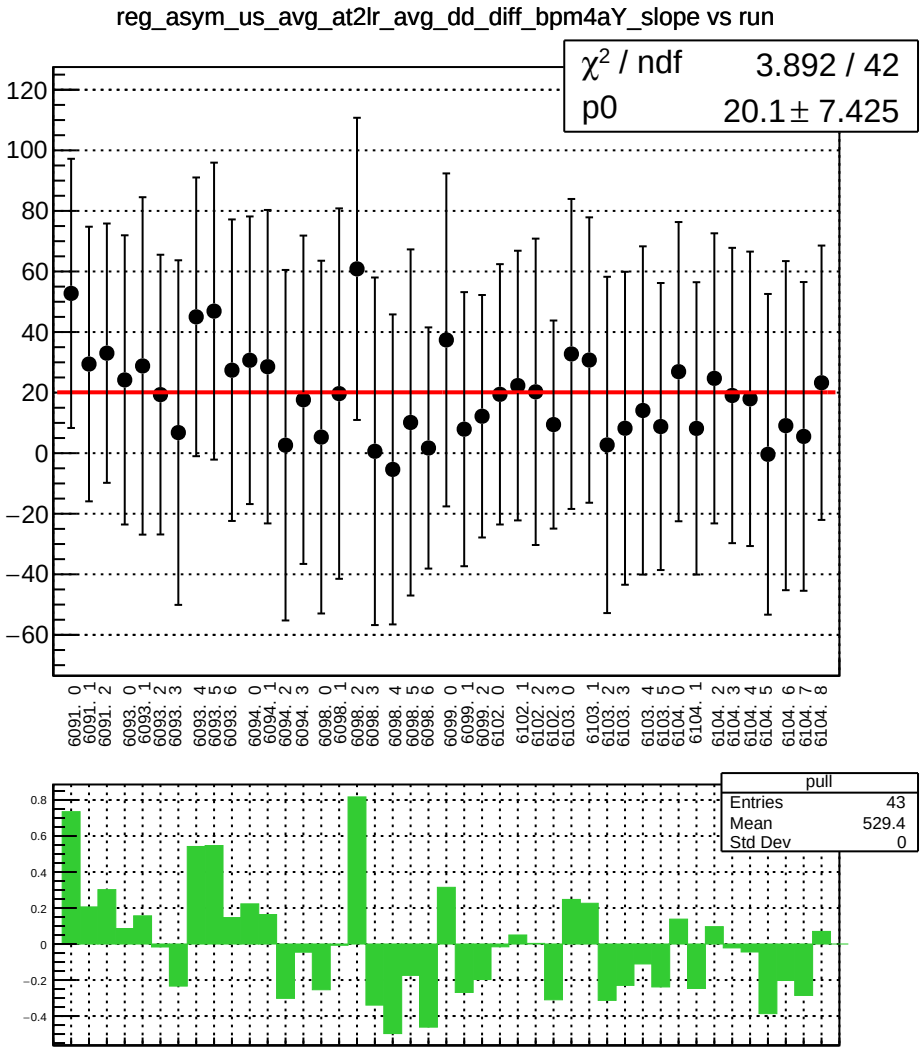

pull1D
Entries 43
Mean −0.005019
Std Dev 0.3785
22
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

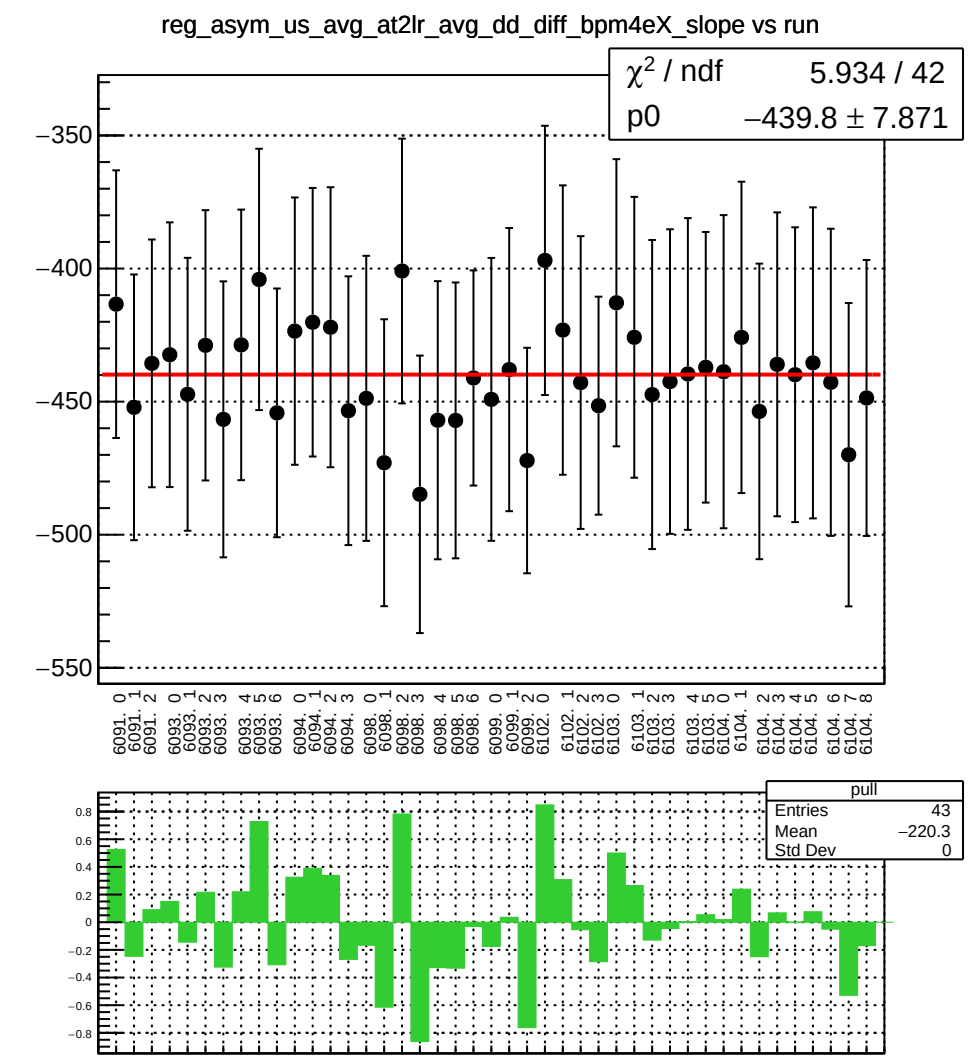

reg_asym_us_avg_at2lr_avg_avg_diff_bpm4eY_slope vs run
χ² / ndf 3.44 / 42
p0 134.2 ± 11.05
250
200
150
100
50
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean −58.48
Std Dev 0
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
pull1D
Entries 43
Mean 0.005658
Std Dev 0.2828
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

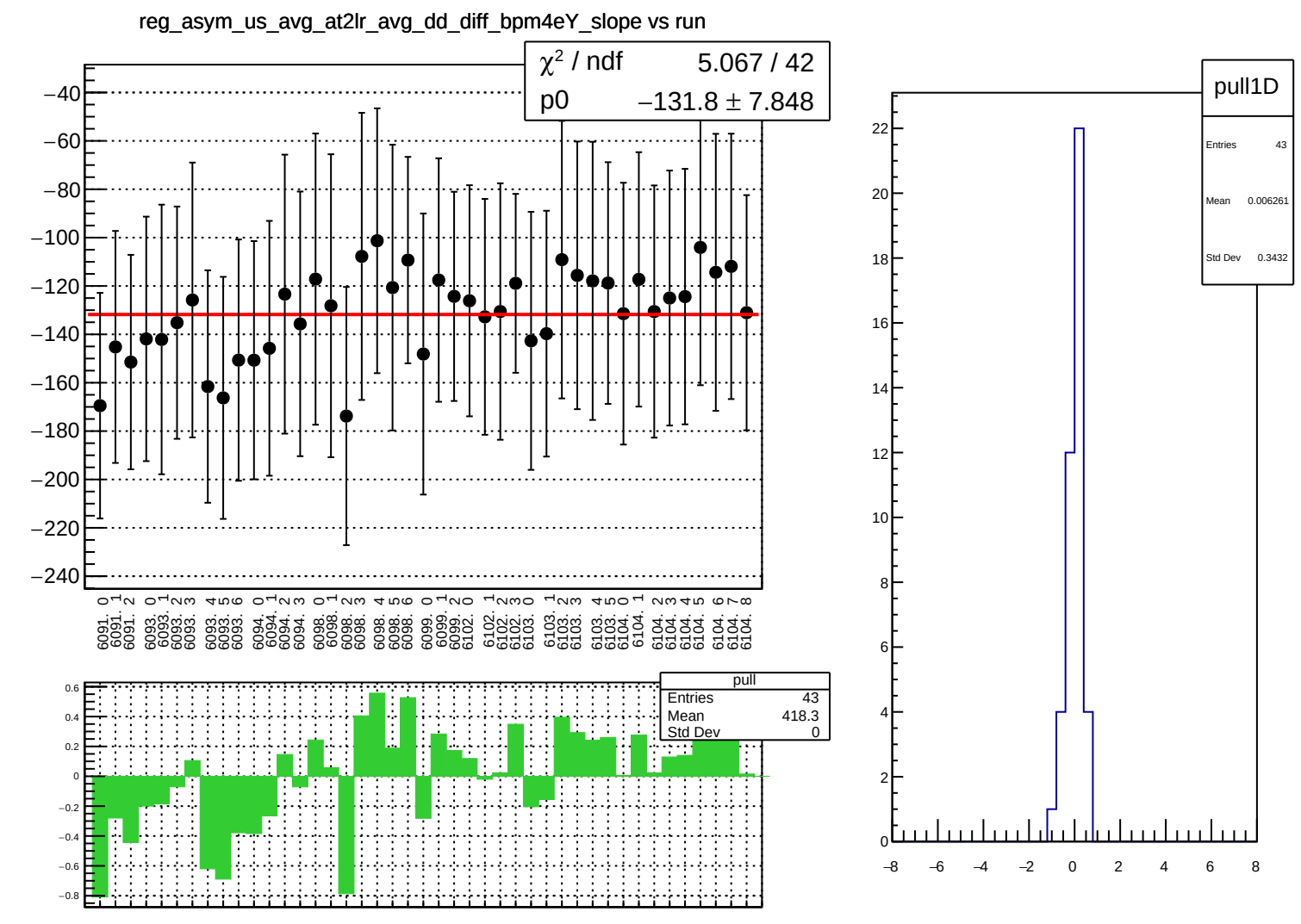

reg_asym_us_avg_at2lr_avg_avg_diff_bpm12X_slope vs run
χ² / ndf 17.78 / 42
p0 −262.1 ± 0.8393
−250
−255
−260
−265
−270
−275
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 237.6
Std Dev 0
1.5
1
0.5
0
−0.5
−1
pull1D
Entries 43
Mean 0.01675
Std Dev 0.6429
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

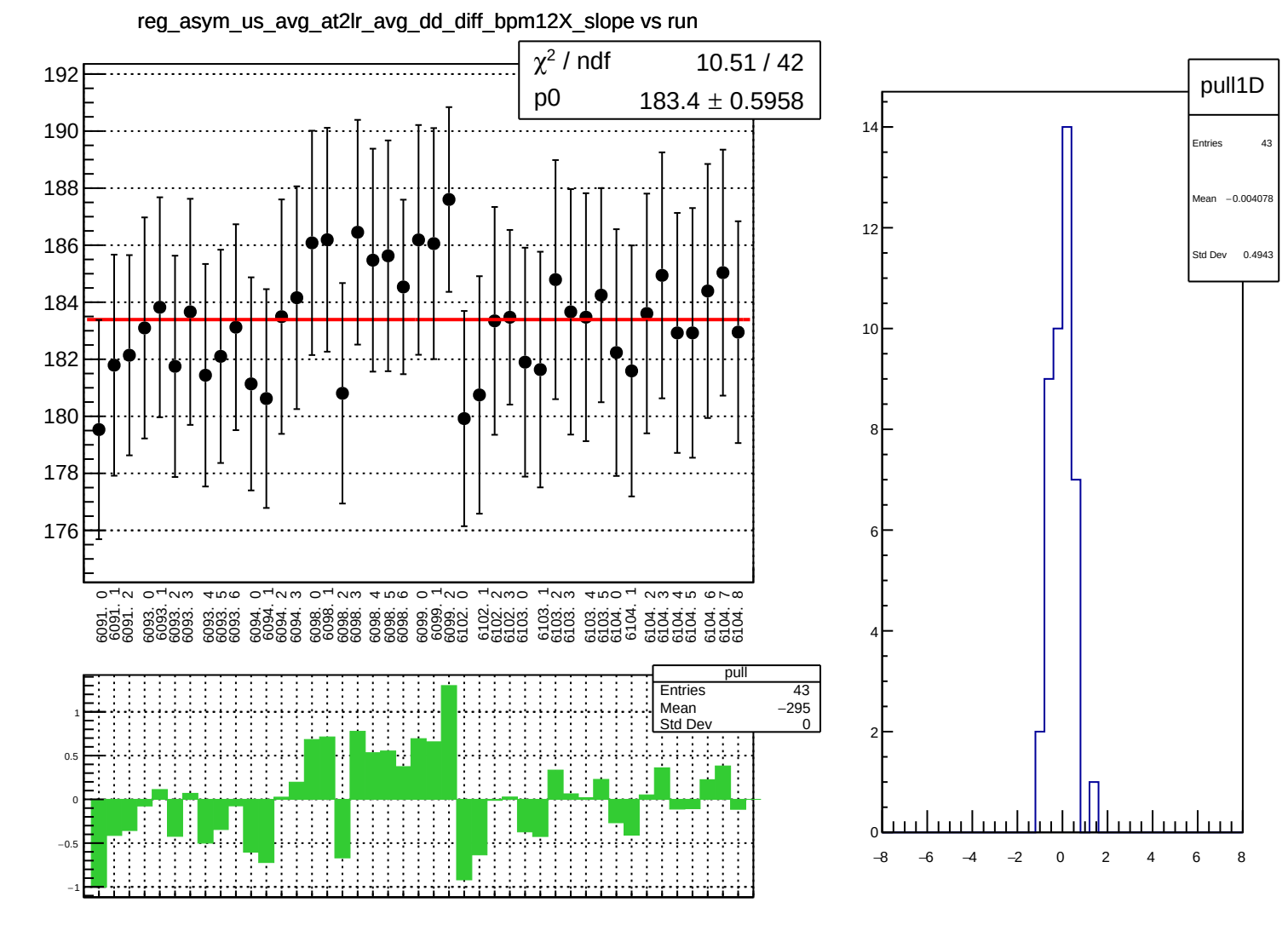

reg_asym_us_avg_at2lr_avg_dd_diff_bpm1X_slope vs run
χ² / ndf 5.672 / 42
p0 311 ± 6.442
pull
Entries 43
Mean −306.3
Std Dev 0

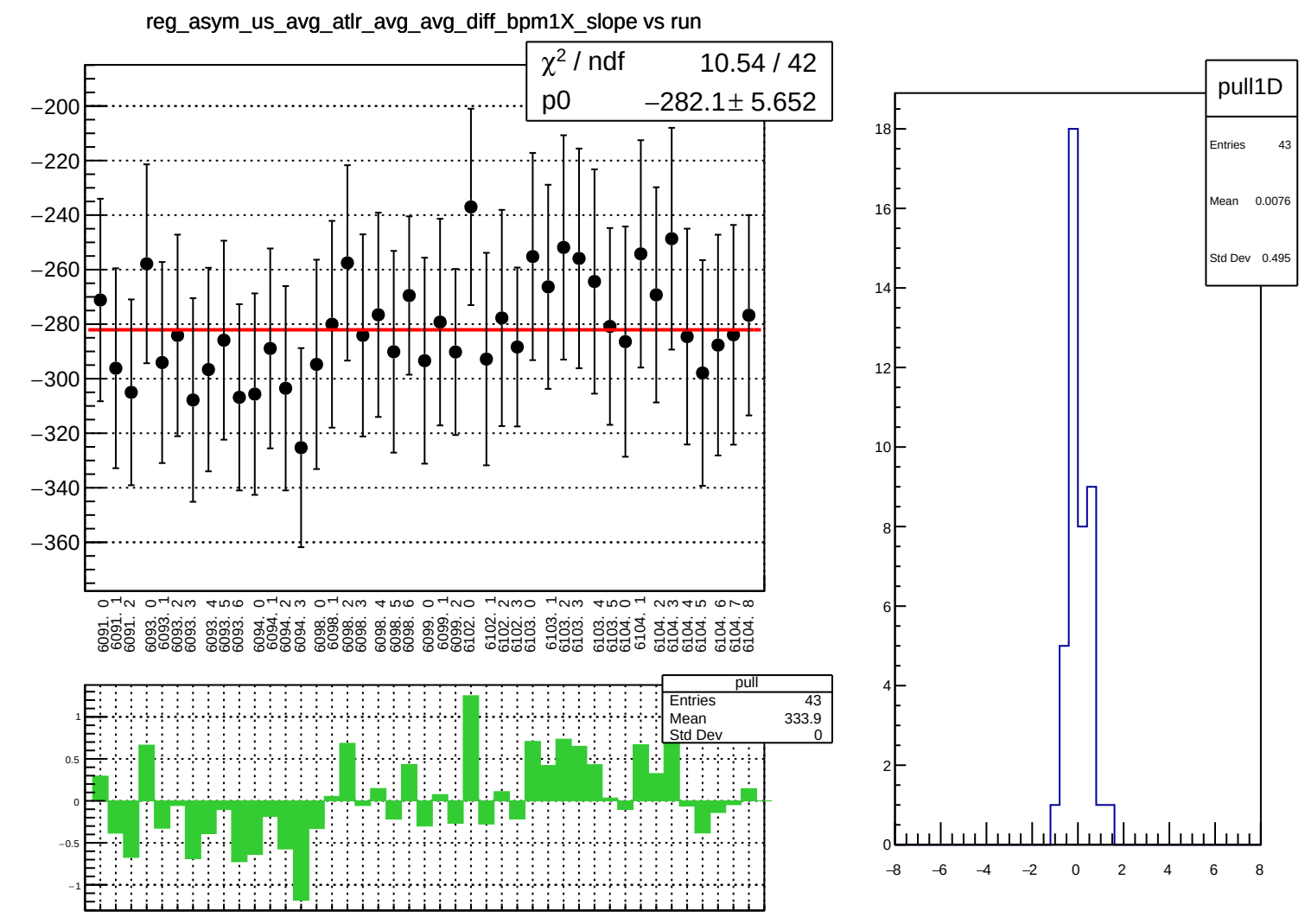

pull1D
Entries 43
Mean −0.001995
Std Dev 0.3632

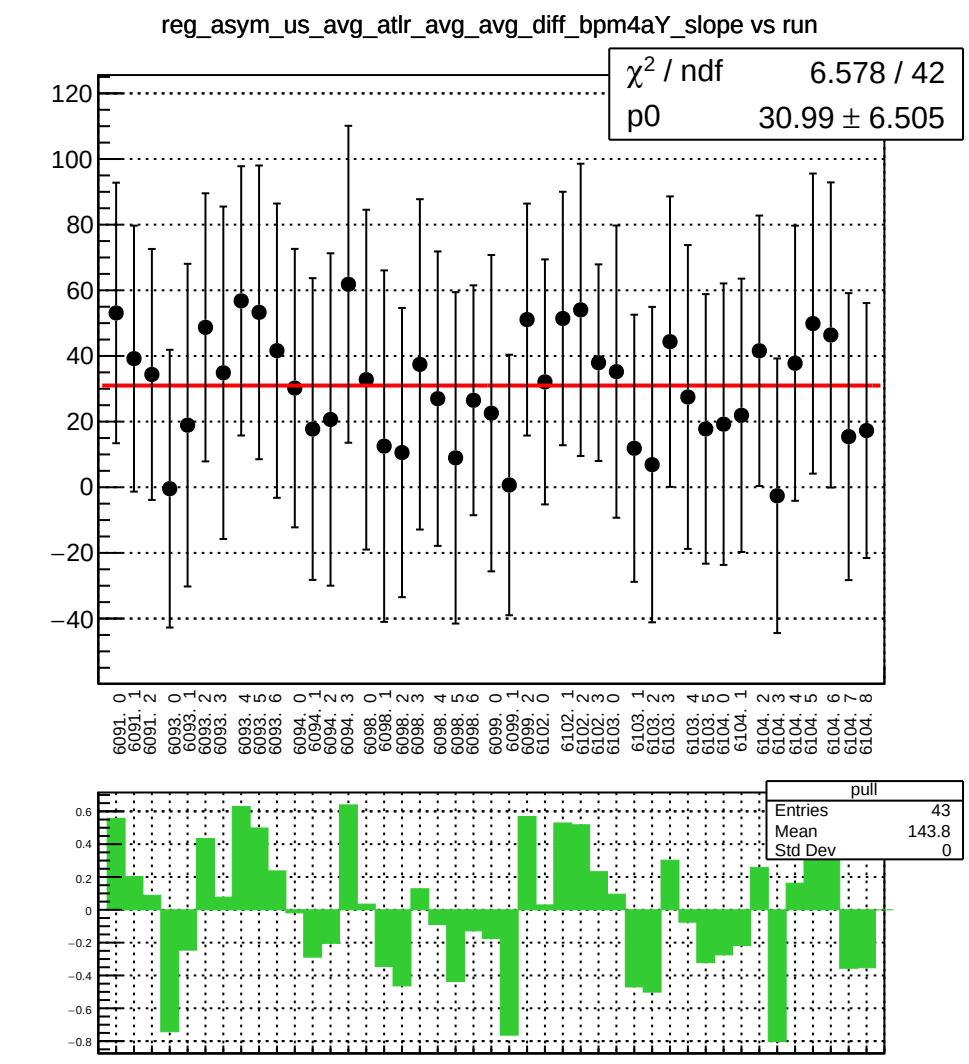

reg_asym_us_avg_at2lr_avg_dd_diff_bpm4aY_slope vs run
χ² / ndf 3.892 / 42
p0 20.1 ± 7.425
pull
Entries 43
Mean 529.4
Std Dev 0
pull1D
Entries 43
Mean −0.003029
Std Dev 0.3008

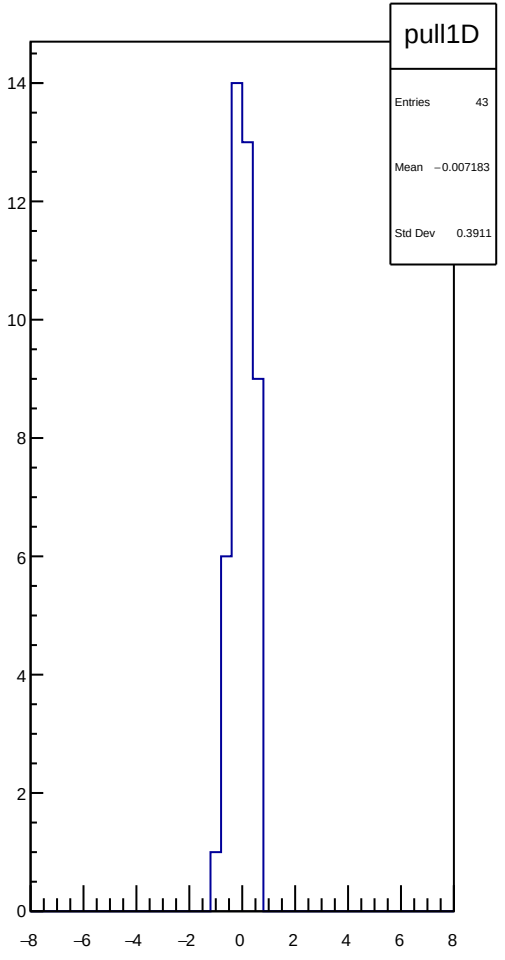

reg_asym_us_avg_at2lr_avg_dd_diff_bpm4eX_slope vs run
χ² / ndf 5.934 / 42
p0 −439.8 ± 7.871
−350
−400
−450
−500
−550
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean −220.3
Std Dev 0
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
pull1D
Entries 43
Mean 0.002466
Std Dev 0.3715
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

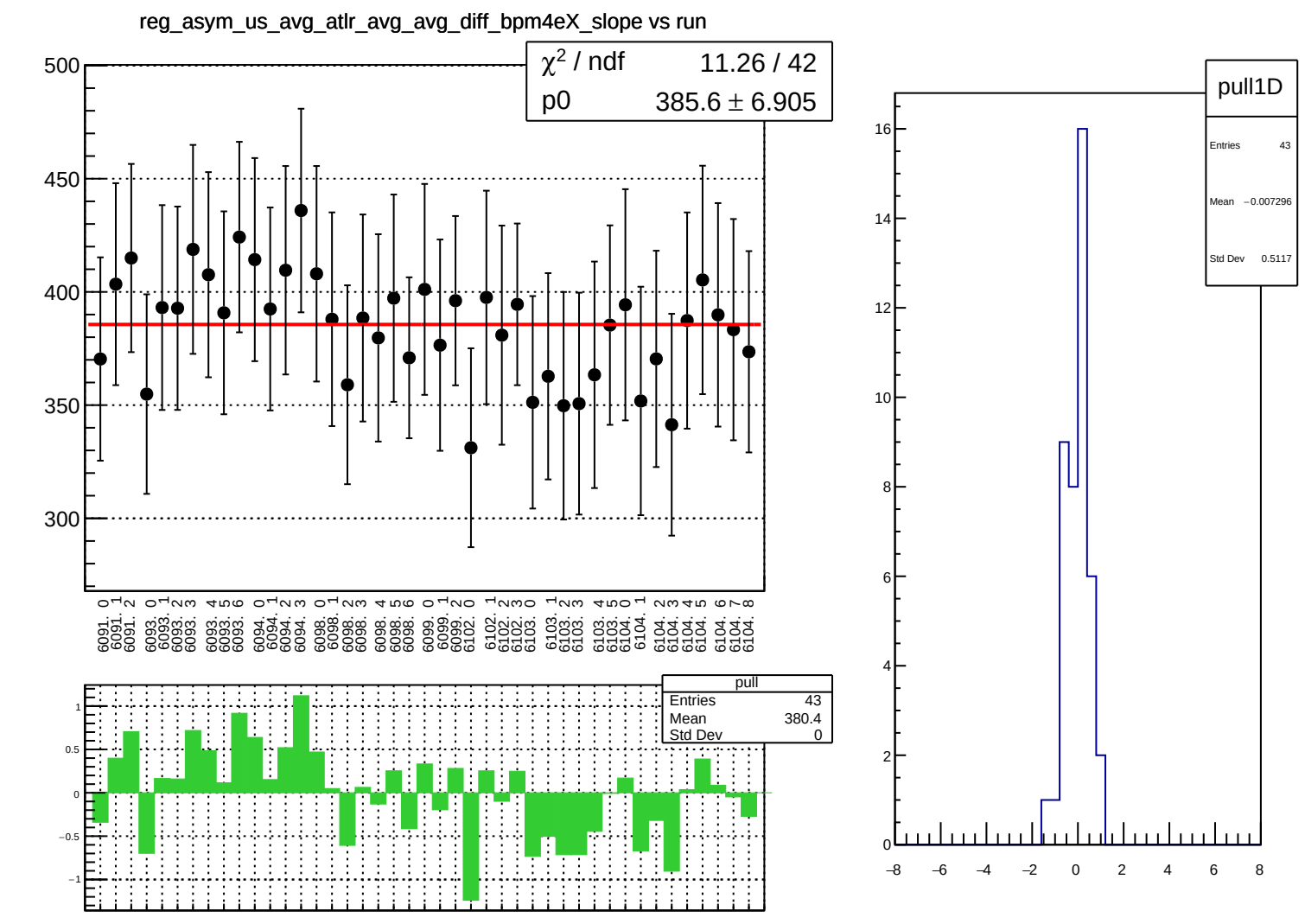

reg_asym_us_avg_at2lr_avg_dd_diff_bpm4eY_slope vs run
χ² / ndf 5.067 / 42
p0 −131.8 ± 7.848
pull
Entries 43
Mean 418.3
Std Dev 0
pull1D
Entries 43
Mean 0.006261
Std Dev 0.3432

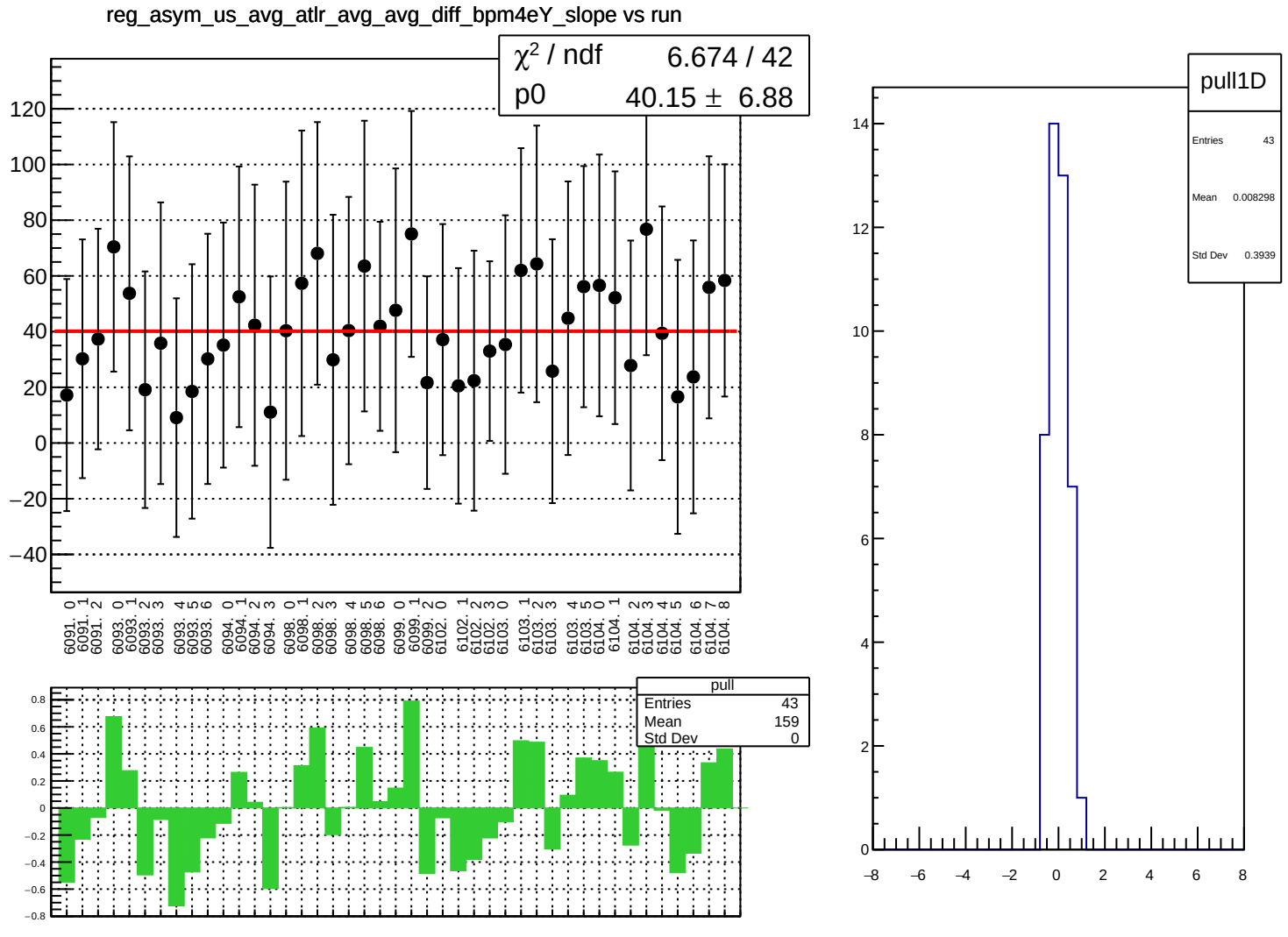

reg_asym_us_avg_at2lr_avg_dd_diff_bpm12X_slope vs run
χ² / ndf 10.51 / 42
p0 183.4 ± 0.5958
192
190
188
186
184
182
180
178
176
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean −295
Std Dev 0
1
0.5
0
−0.5
−1
pull1D
Entries 43
Mean −0.004078
Std Dev 0.4943
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

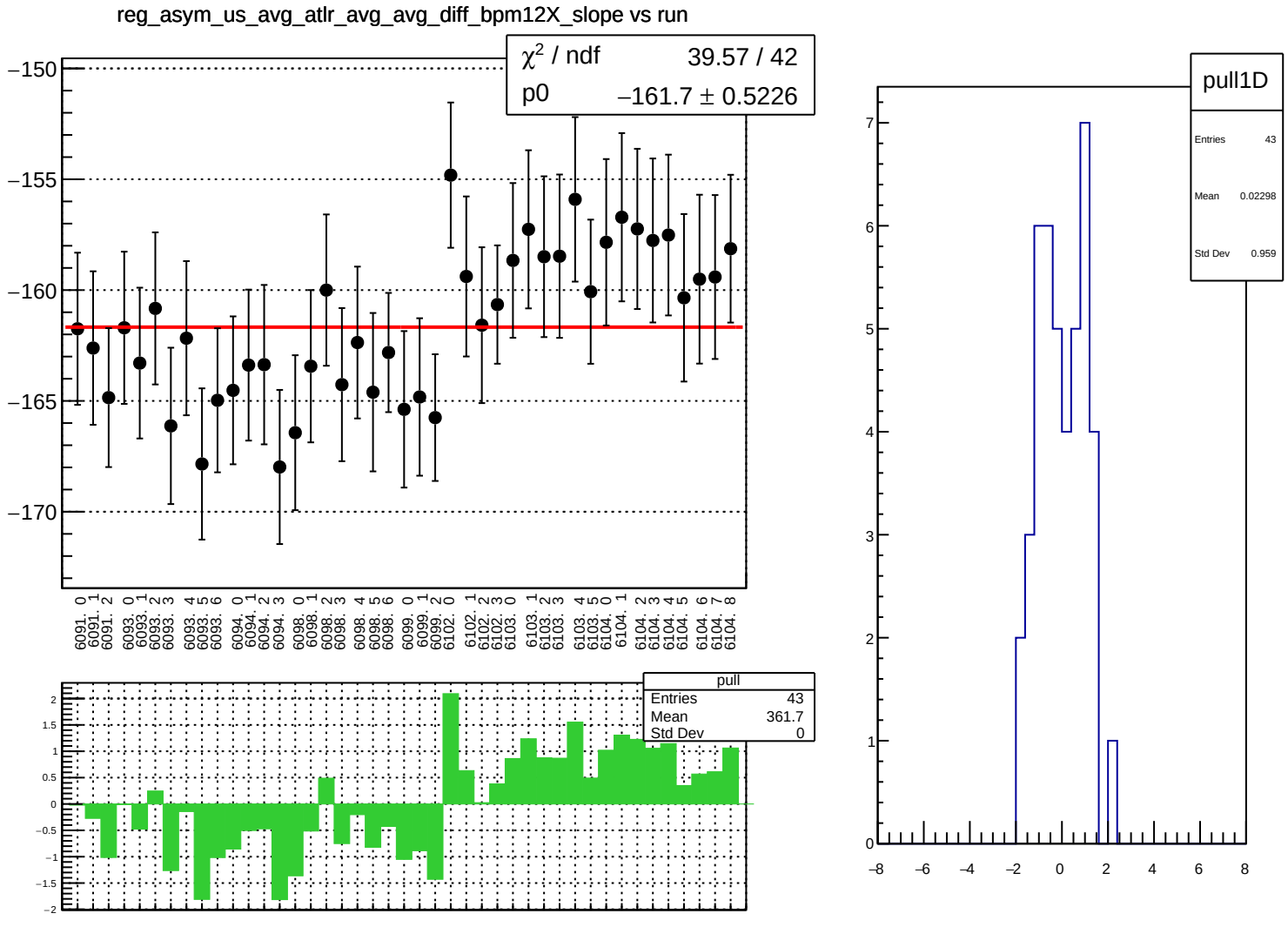

reg_asym_us_avg_atlr_avg_avg_diff_bpm1X_slope vs run
χ² / ndf 10.54 / 42
p0 −282.1 ± 5.652
−200
−220
−240
−260
−280
−300
−320
−340
−360
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 333.9
Std Dev 0
1
0.5
0
−0.5
−1
pull1D
Entries 43
Mean 0.0076
Std Dev 0.495
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

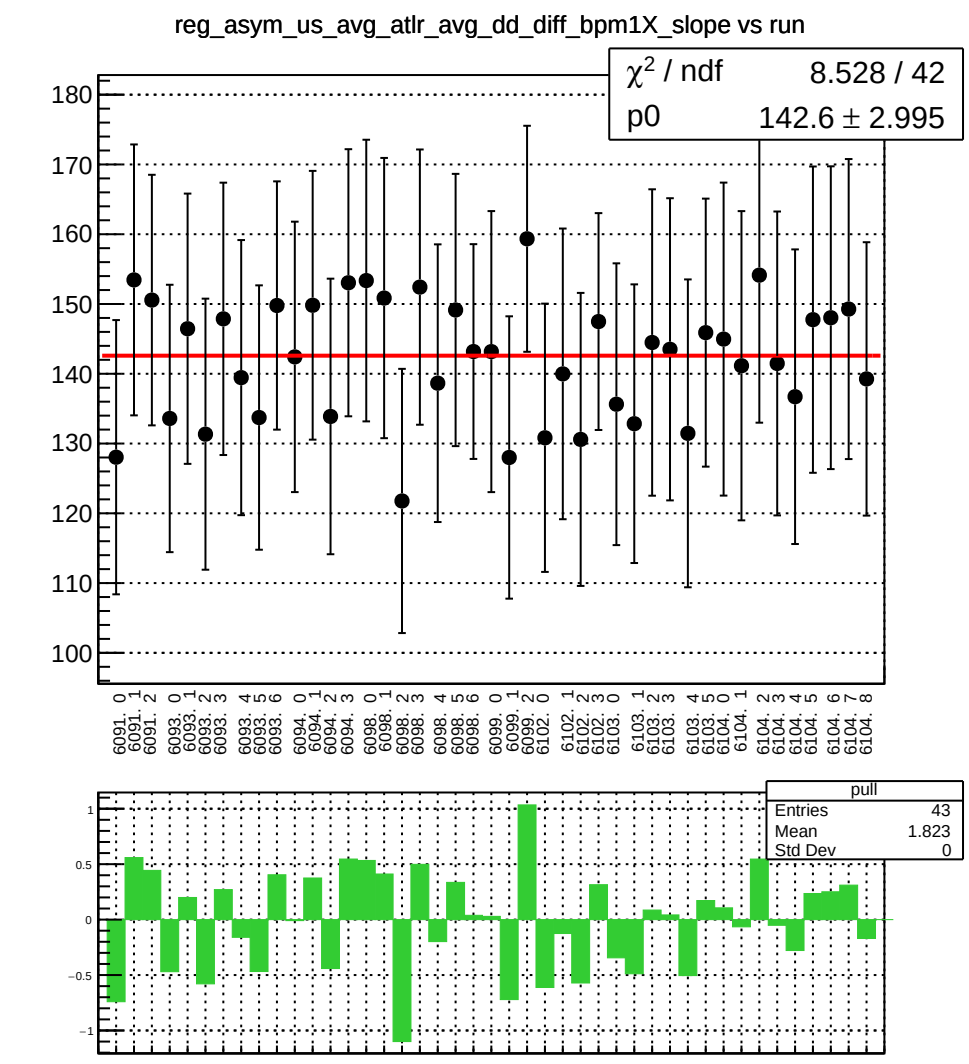

reg_asym_us_avg_atlr_avg_avg_diff_bpm4aY_slope vs run
χ² / ndf 6.578 / 42
p0 30.99 ± 6.505
pull
Entries 43
Mean 143.8
Std Dev 0

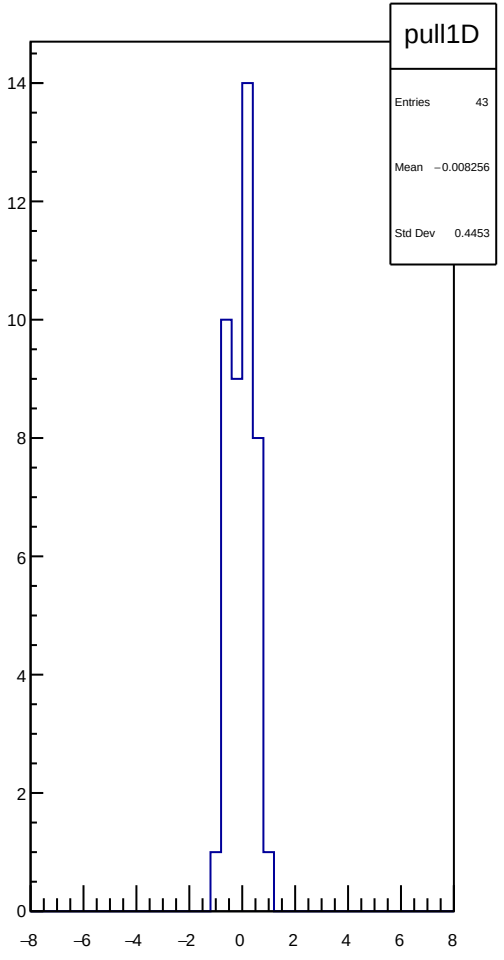

pull1D
Entries 43
Mean −0.007183
Std Dev 0.3911

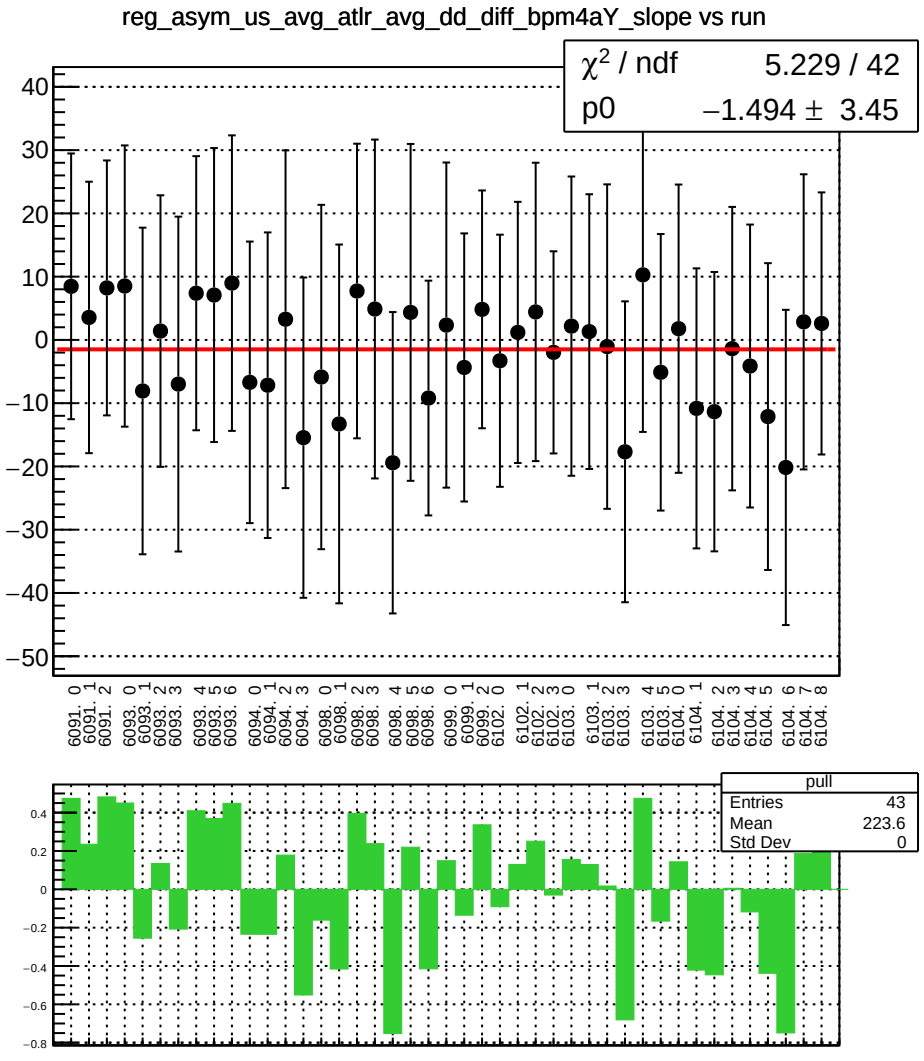

reg_asym_us_avg_atlr_avg_avg_diff_bpm4eX_slope vs run
χ² / ndf 11.26 / 42
p0 385.6 ± 6.905
500
450
400
350
300
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 380.4
Std Dev 0
1
0.5
0
−0.5
−1
pull1D
Entries 43
Mean −0.007296
Std Dev 0.5117
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

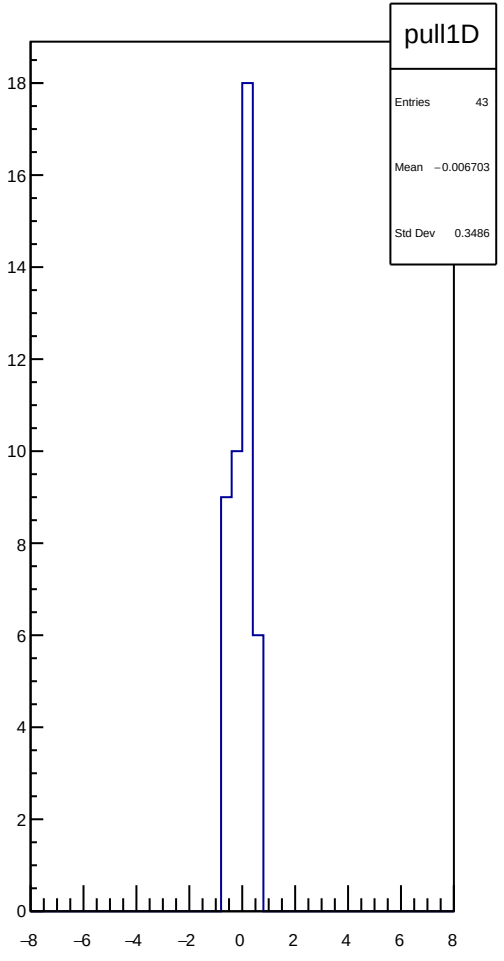

reg_asym_us_avg_atlr_avg_avg_diff_bpm4eY_slope vs run
χ² / ndf 6.674 / 42
p0 40.15 ± 6.88
120
100
80
60
40
20
0
−20
−40
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 159
Std Dev 0
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
pull1D
Entries 43
Mean 0.008298
Std Dev 0.3939
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

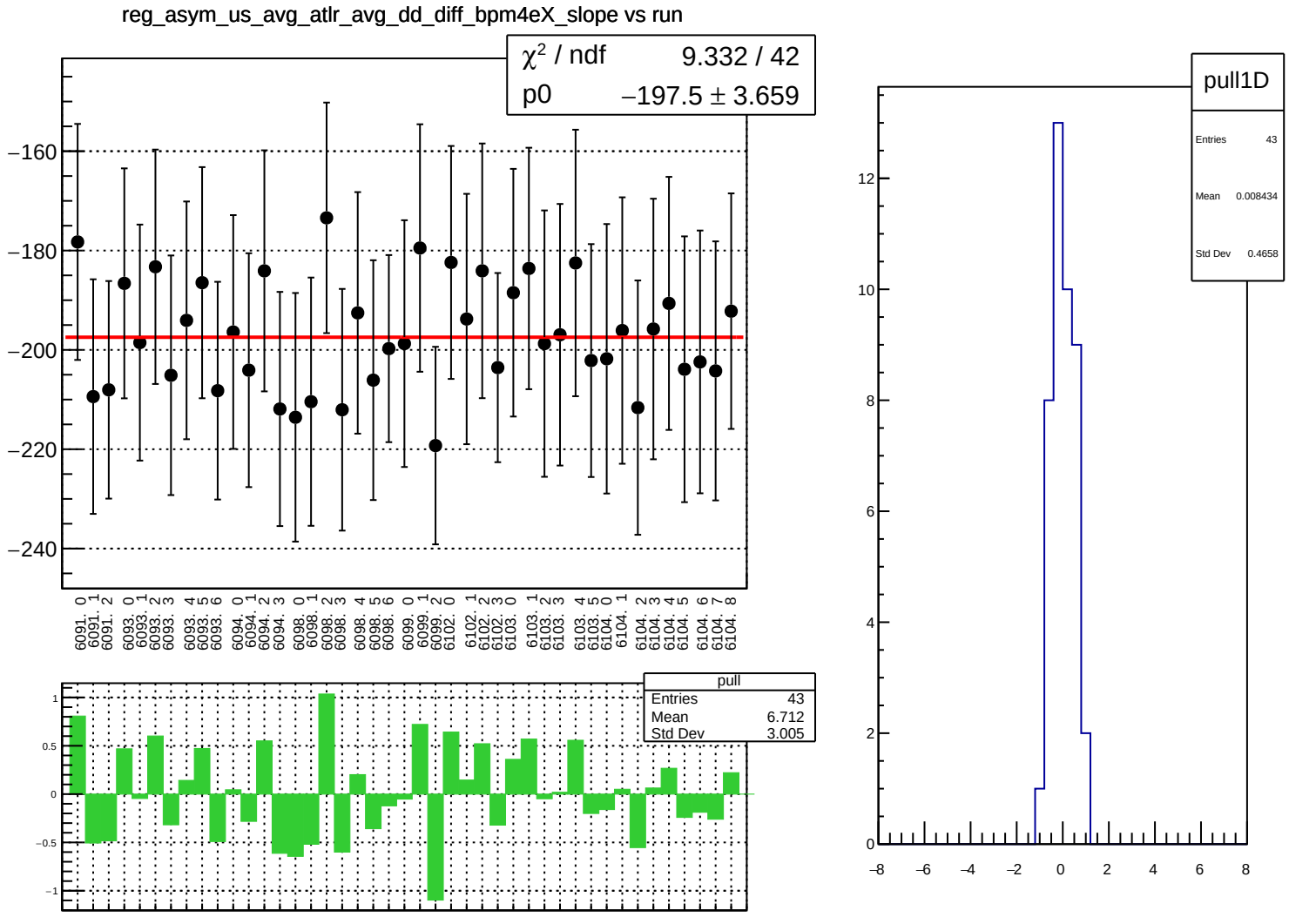

reg_asym_us_avg_atlr_avg_avg_diff_bpm12X_slope vs run
χ² / ndf 39.57 / 42
p0 −161.7 ± 0.5226
−150
−155
−160
−165
−170
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 361.7
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 43
Mean 0.02298
Std Dev 0.959
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

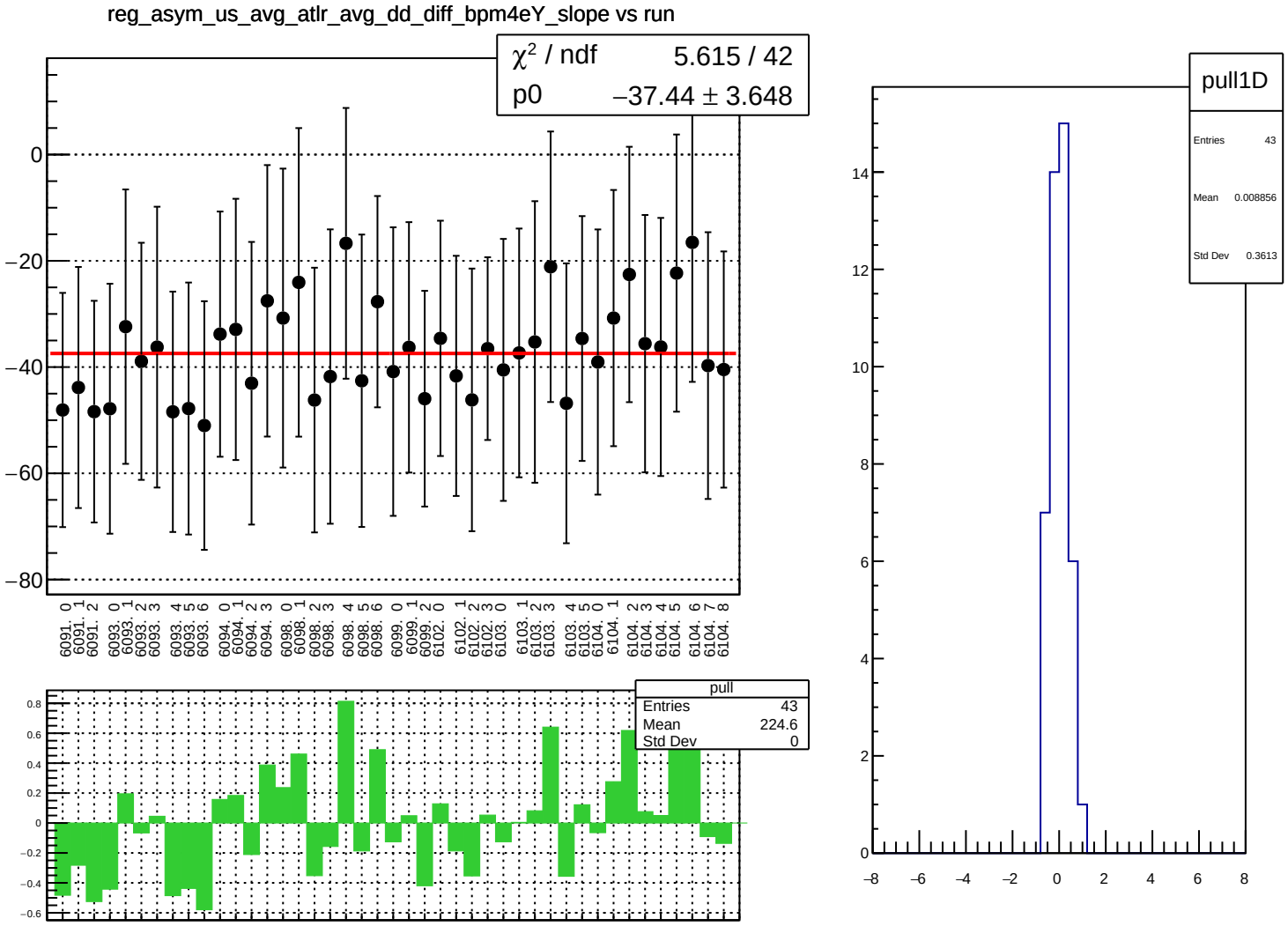

reg_asym_us_avg_atlr_avg_dd_diff_bpm1X_slope vs run
χ² / ndf 8.528 / 42
p0 142.6 ± 2.995
pull
Entries 43
Mean 1.823
Std Dev 0

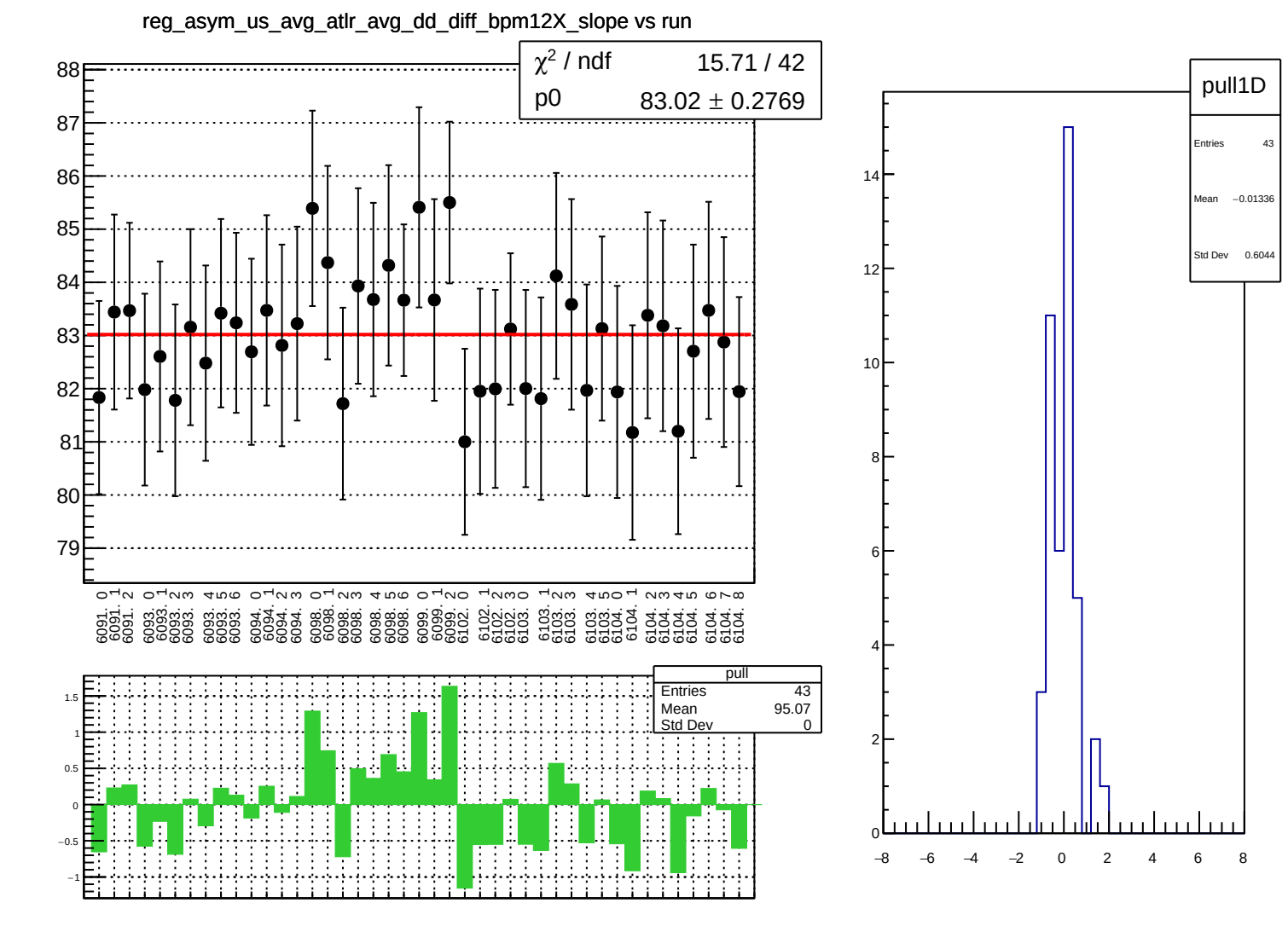

pull1D
Entries 43
Mean −0.008256
Std Dev 0.4453

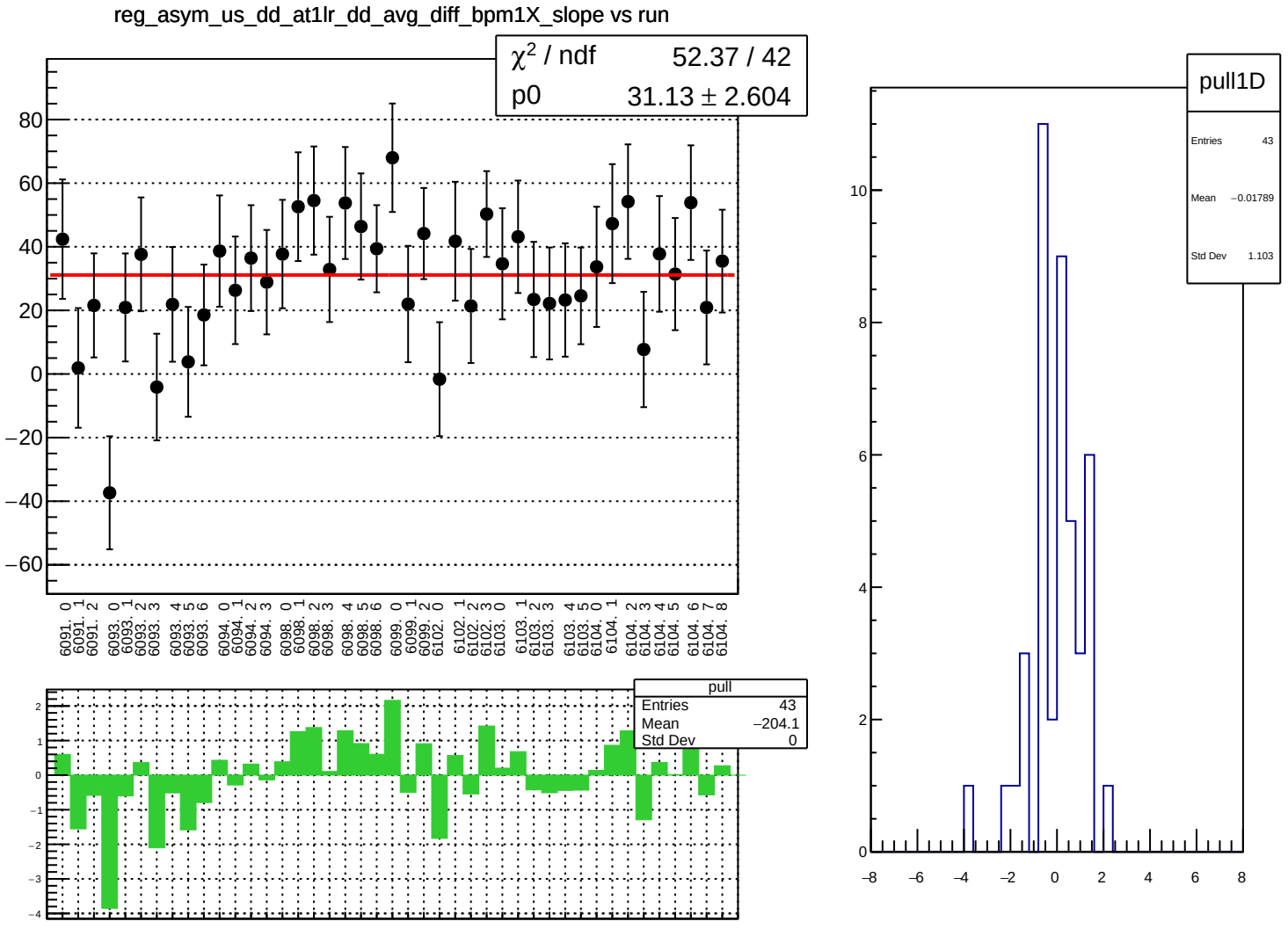

reg_asym_us_avg_atlr_avg_dd_diff_bpm4aY_slope vs run
χ² / ndf 5.229 / 42
p0 −1.494 ± 3.45
pull
Entries 43
Mean 223.6
Std Dev 0

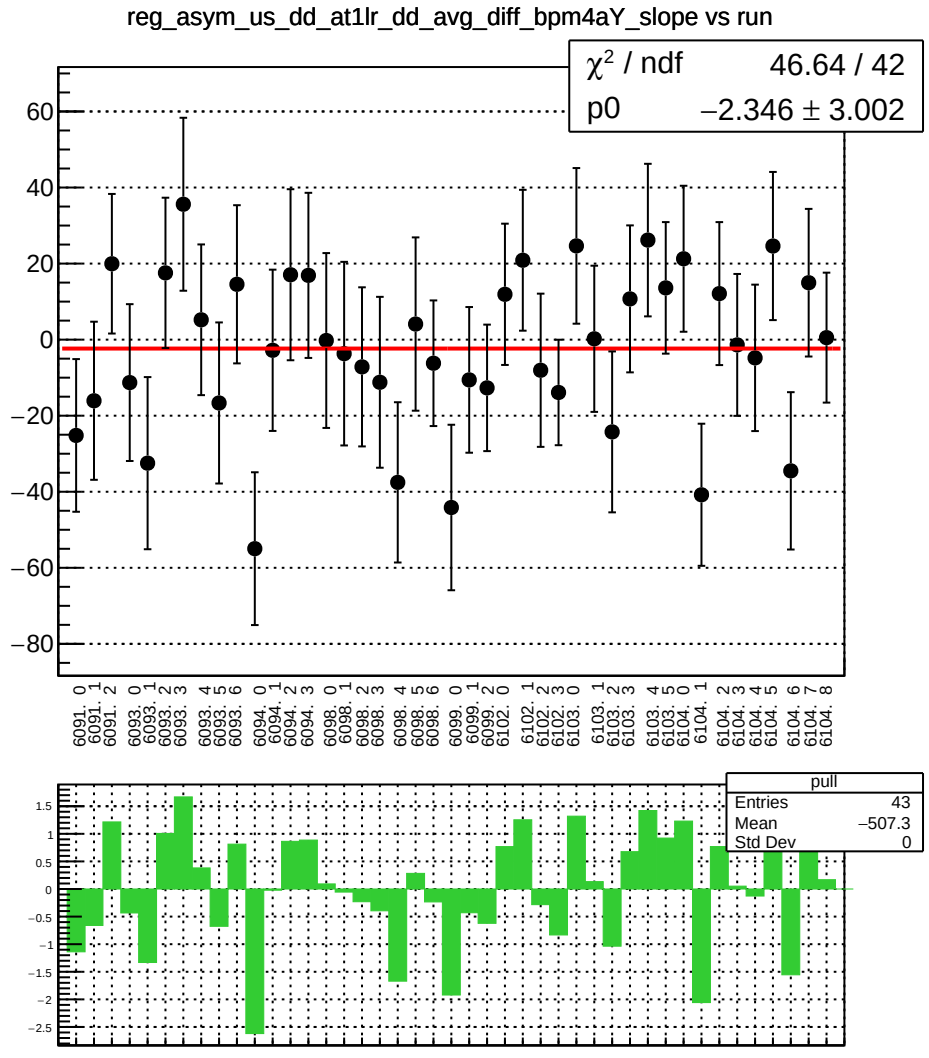

pull1D
Entries 43
Mean −0.006703
Std Dev 0.3486

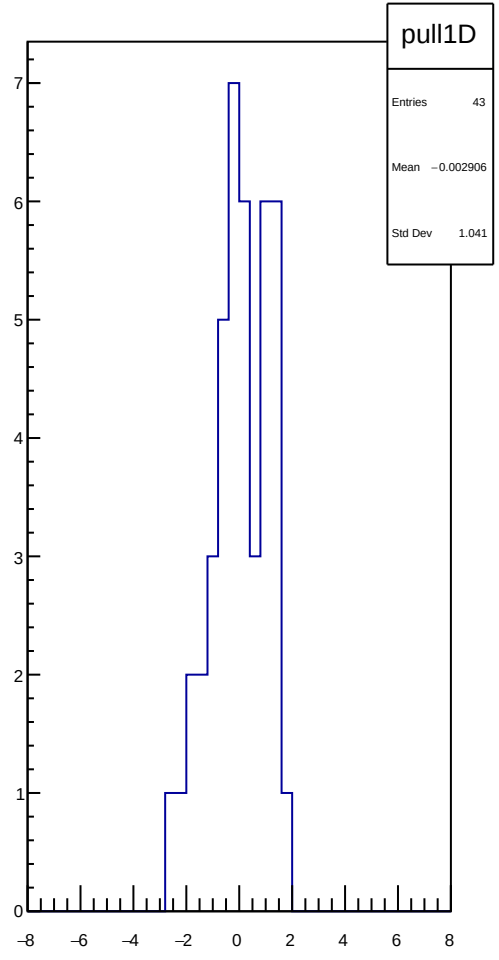

reg_asym_us_avg_atlr_avg_dd_diff_bpm4eX_slope vs run
χ² / ndf 9.332 / 42
p0 −197.5 ± 3.659
−160
−180
−200
−220
−240
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 6.712
Std Dev 3.005
1
0.5
0
−0.5
−1
pull1D
Entries 43
Mean 0.008434
Std Dev 0.4658
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

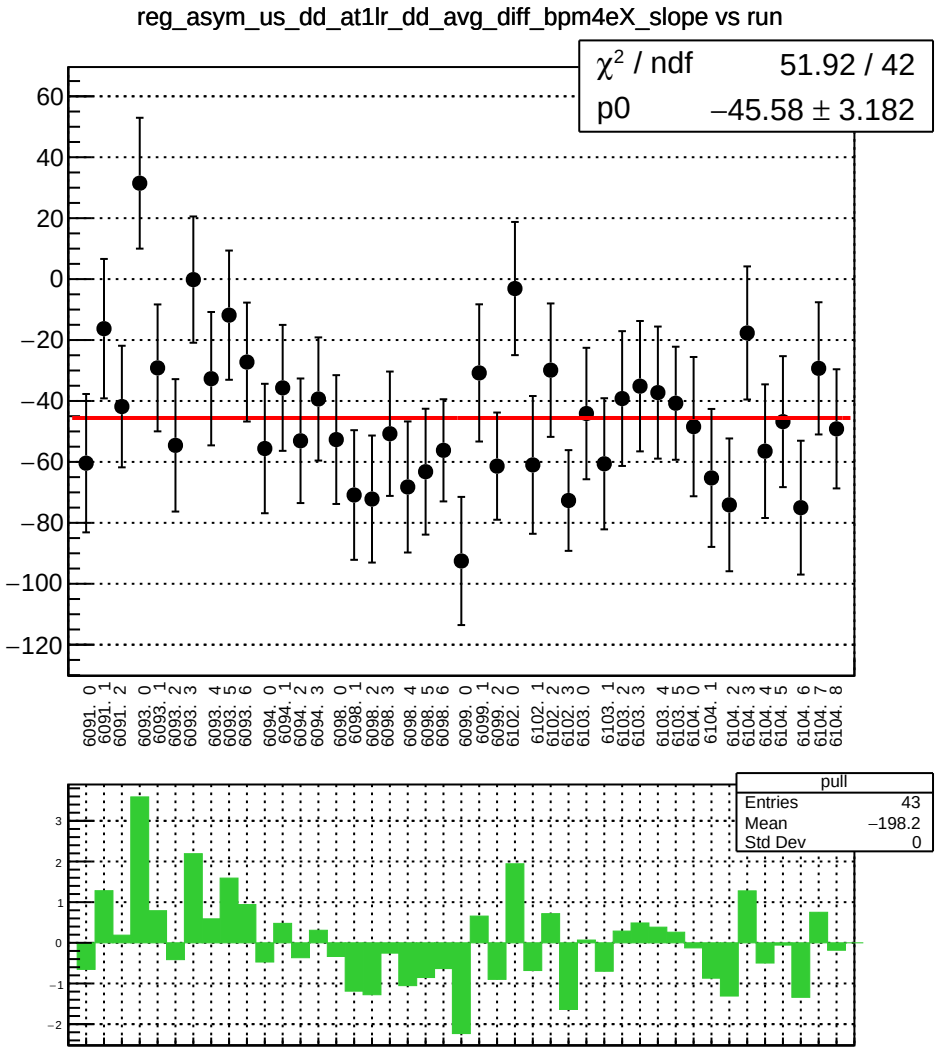

reg_asym_us_avg_atlr_avg_dd_diff_bpm4eY_slope vs run
χ² / ndf 5.615 / 42
p0 −37.44 ± 3.648
0
−20
−40
−60
−80
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 224.6
Std Dev 0
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
pull1D
Entries 43
Mean 0.008856
Std Dev 0.3613
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

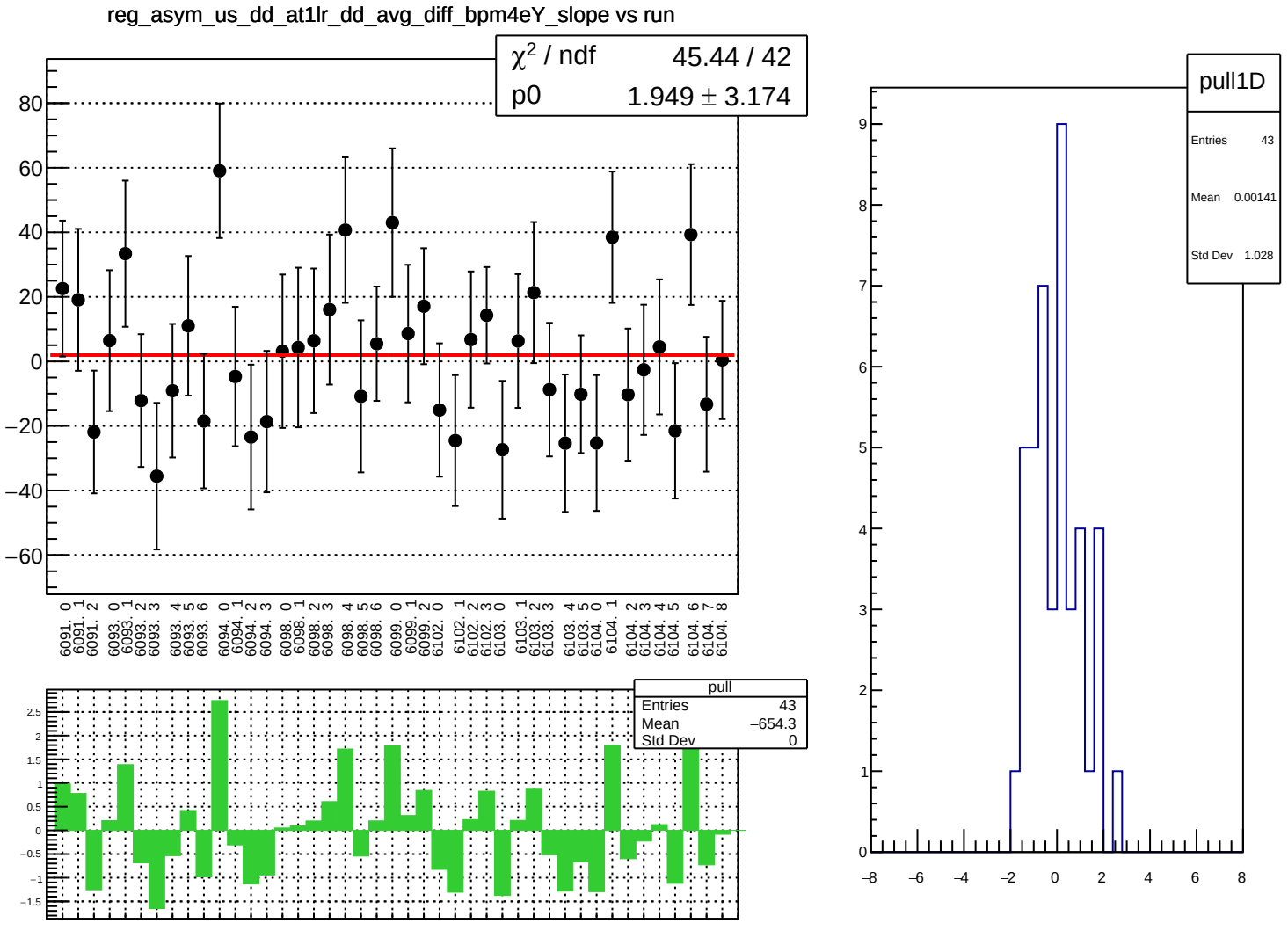

reg_asym_us_avg_atlr_avg_dd_diff_bpm12X_slope vs run
χ² / ndf 15.71 / 42
p0 83.02 ± 0.2769
pull
Entries 43
Mean 95.07
Std Dev 0
pull1D
Entries 43
Mean −0.01336
Std Dev 0.6044

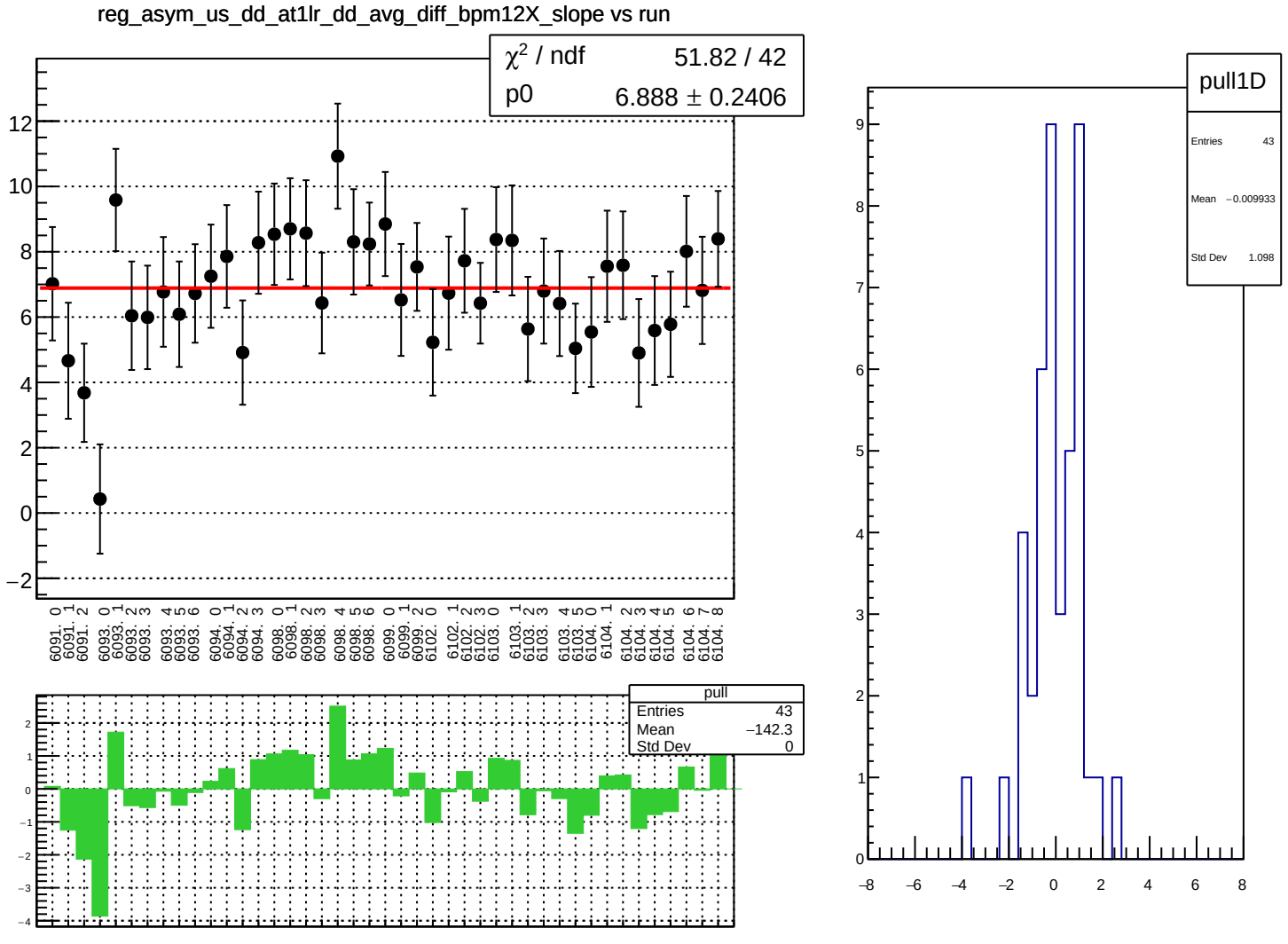

reg_asym_us_dd_at1lr_dd_avg_diff_bpm1X_slope vs run
χ² / ndf 52.37 / 42
p0 31.13 ± 2.604
pull
Entries 43
Mean −204.1
Std Dev 0
pull1D
Entries 43
Mean −0.01789
Std Dev 1.103

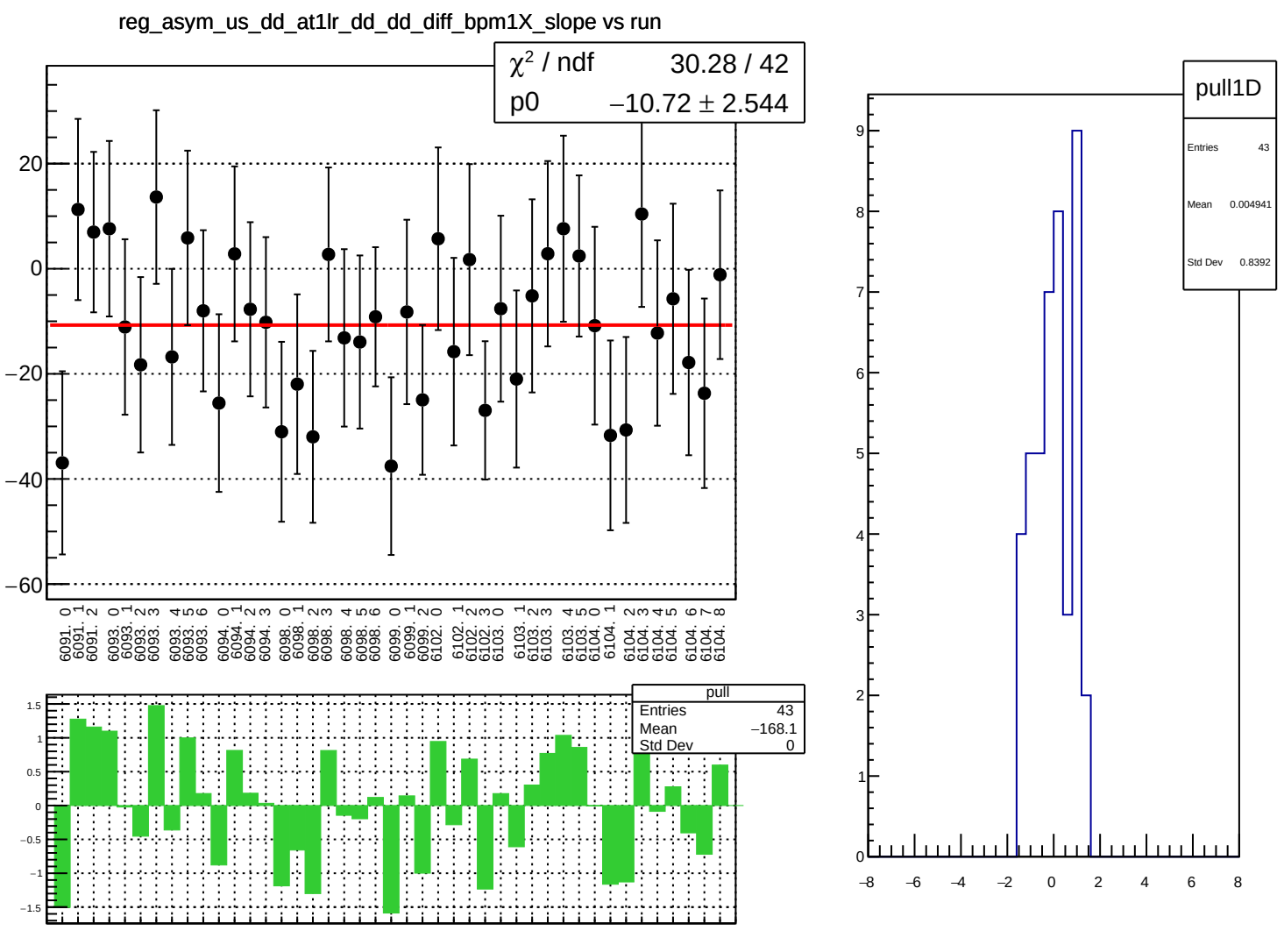

reg_asym_us_dd_at1lr_dd_avg_diff_bpm4aY_slope vs run
χ² / ndf 46.64 / 42
p0 −2.346 ± 3.002
pull
Entries 43
Mean −507.3
Std Dev 0

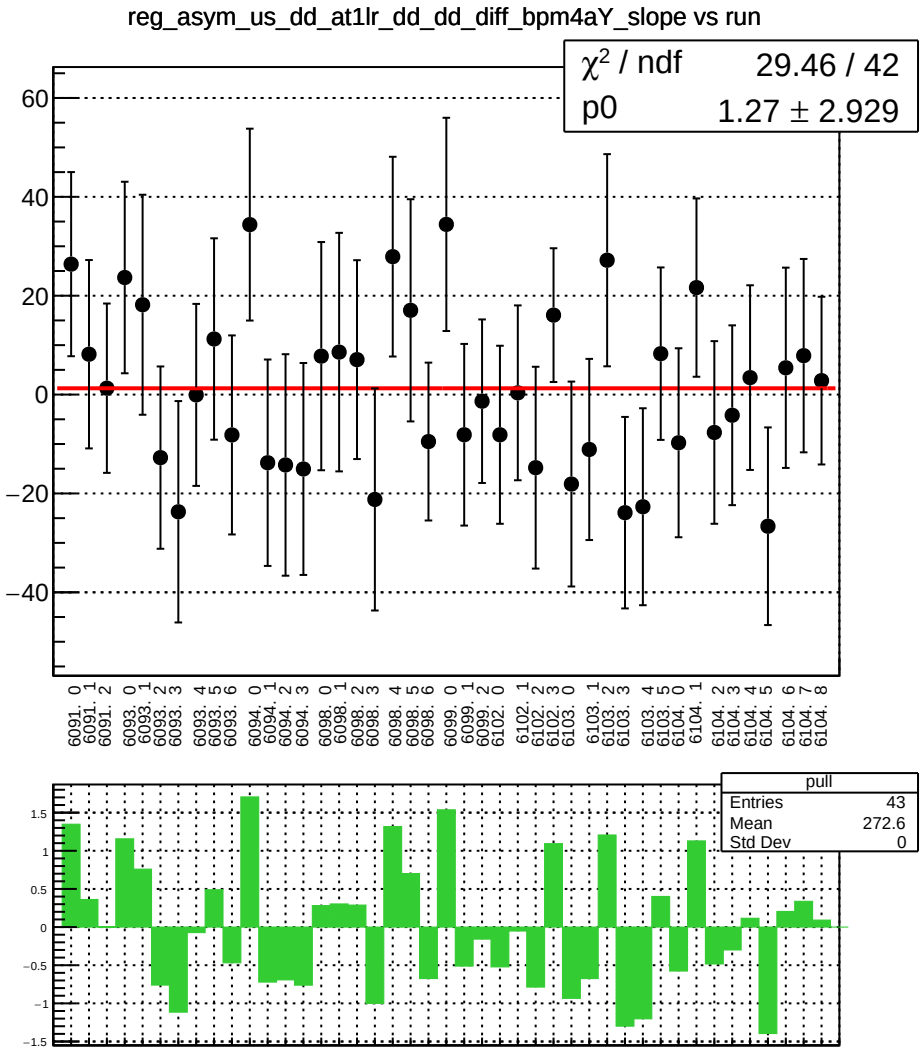

pull1D
Entries 43
Mean −0.002906
Std Dev 1.041

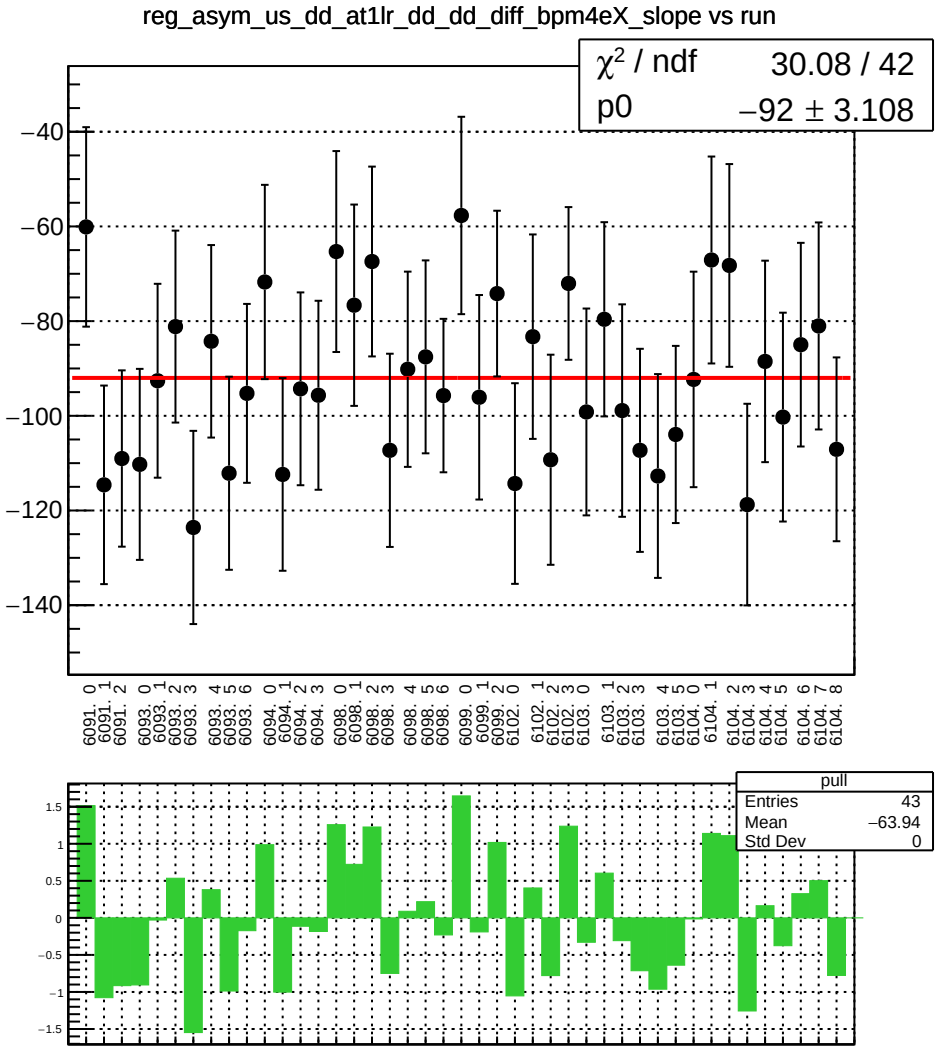

reg_asym_us_dd_at1lr_dd_avg_diff_bpm4eX_slope vs run
χ² / ndf 51.92 / 42
p0 −45.58 ± 3.182
pull
Entries 43
Mean −198.2
Std Dev 0
pull1D
Entries 43
Mean 0.01774
Std Dev 1.099

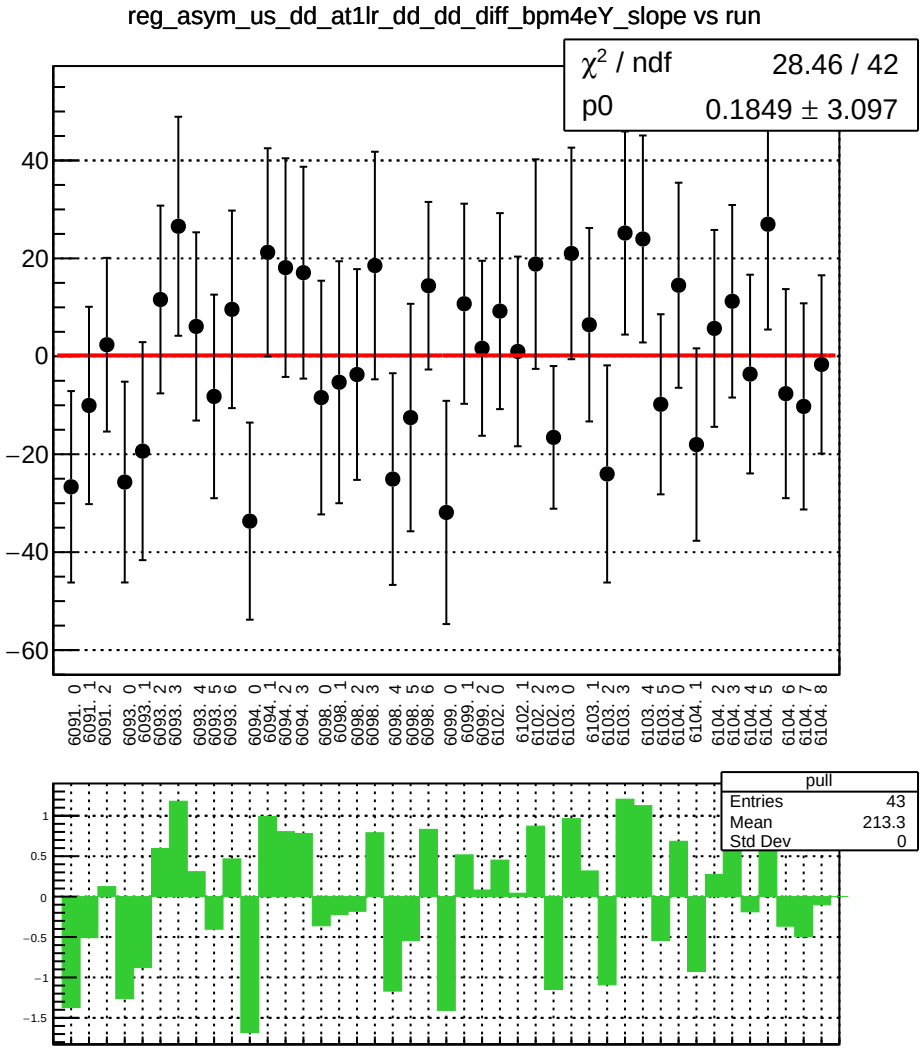

reg_asym_us_dd_at1lr_dd_avg_diff_bpm4eY_slope vs run
χ² / ndf 45.44 / 42
p0 1.949 ± 3.174
pull
Entries 43
Mean −654.3
Std Dev 0
pull1D
Entries 43
Mean 0.00141
Std Dev 1.028

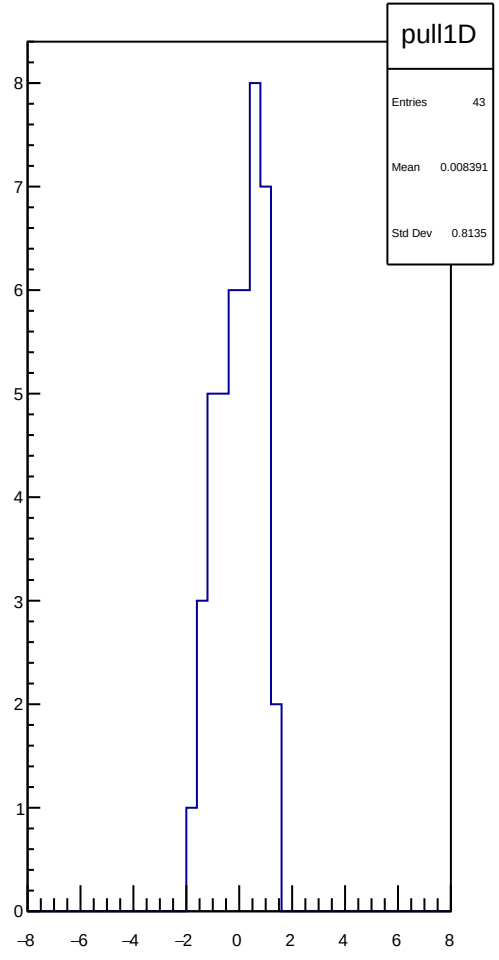

reg_asym_us_dd_at1lr_dd_avg_diff_bpm12X_slope vs run
χ² / ndf 51.82 / 42
p0 6.888 ± 0.2406
pull
Entries 43
Mean −142.3
Std Dev 0
pull1D
Entries 43
Mean −0.009933
Std Dev 1.098

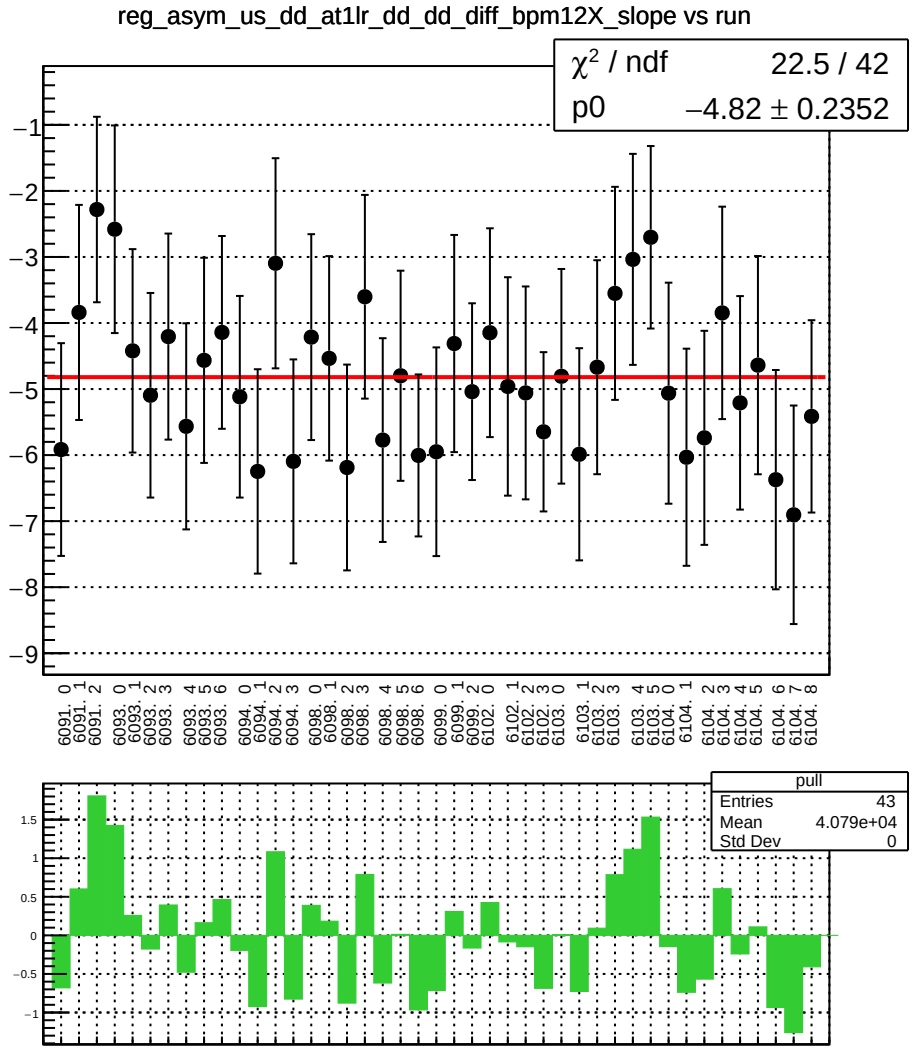

reg_asym_us_dd_at1lr_dd_dd_diff_bpm1X_slope vs run
χ² / ndf 30.28 / 42
p0 −10.72 ± 2.544
pull
Entries 43
Mean −168.1
Std Dev 0
pull1D
Entries 43
Mean 0.004941
Std Dev 0.8392

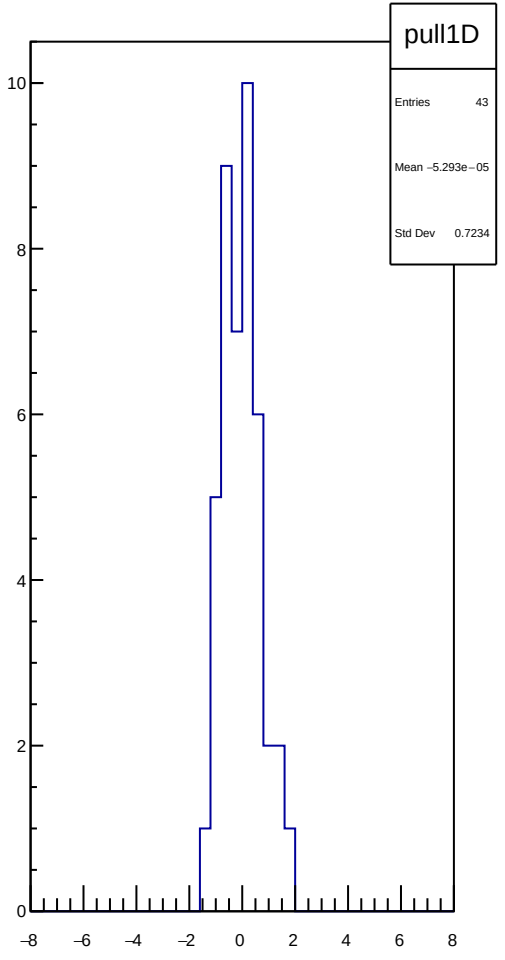

reg_asym_us_dd_at1lr_dd_dd_diff_bpm4aY_slope vs run
χ² / ndf 29.46 / 42
p0 1.27 ± 2.929
pull
Entries 43
Mean 272.6
Std Dev 0
pull1D
Entries 43
Mean −0.0076
Std Dev 0.8277

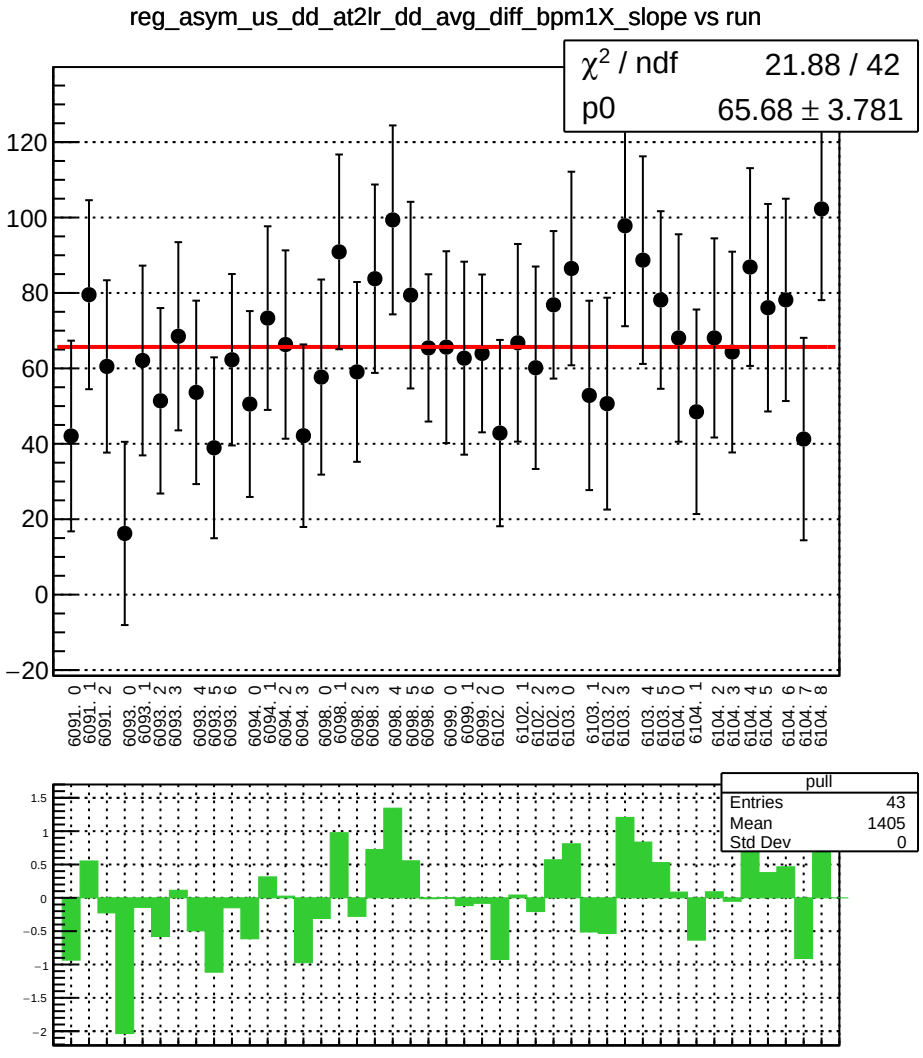

reg_asym_us_dd_at1lr_dd_dd_diff_bpm4eX_slope vs run
χ² / ndf 30.08 / 42
p0 −92 ± 3.108
−40
−60
−80
−100
−120
−140
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean −63.94
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 43
Mean −0.005316
Std Dev 0.8364
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

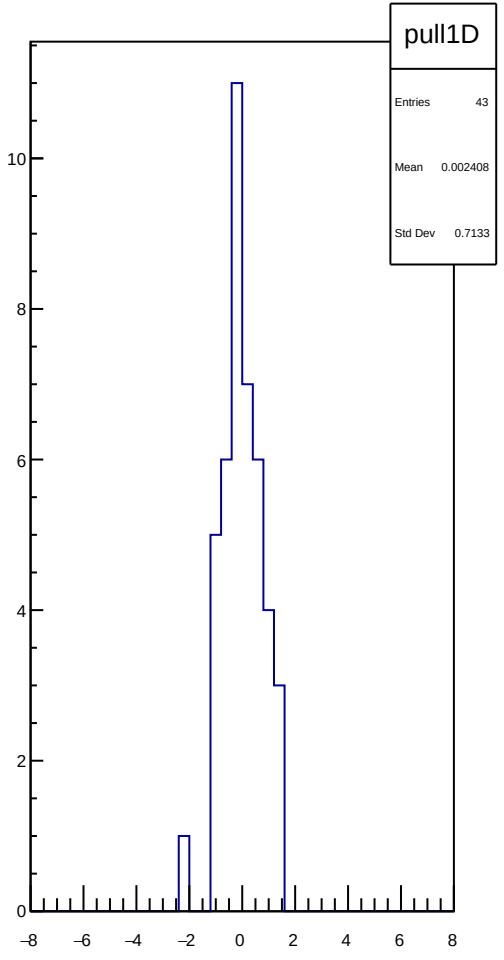

reg_asym_us_dd_at1lr_dd_dd_diff_bpm4eY_slope vs run
χ² / ndf 28.46 / 42
p0 0.1849 ± 3.097
pull
Entries 43
Mean 213.3
Std Dev 0

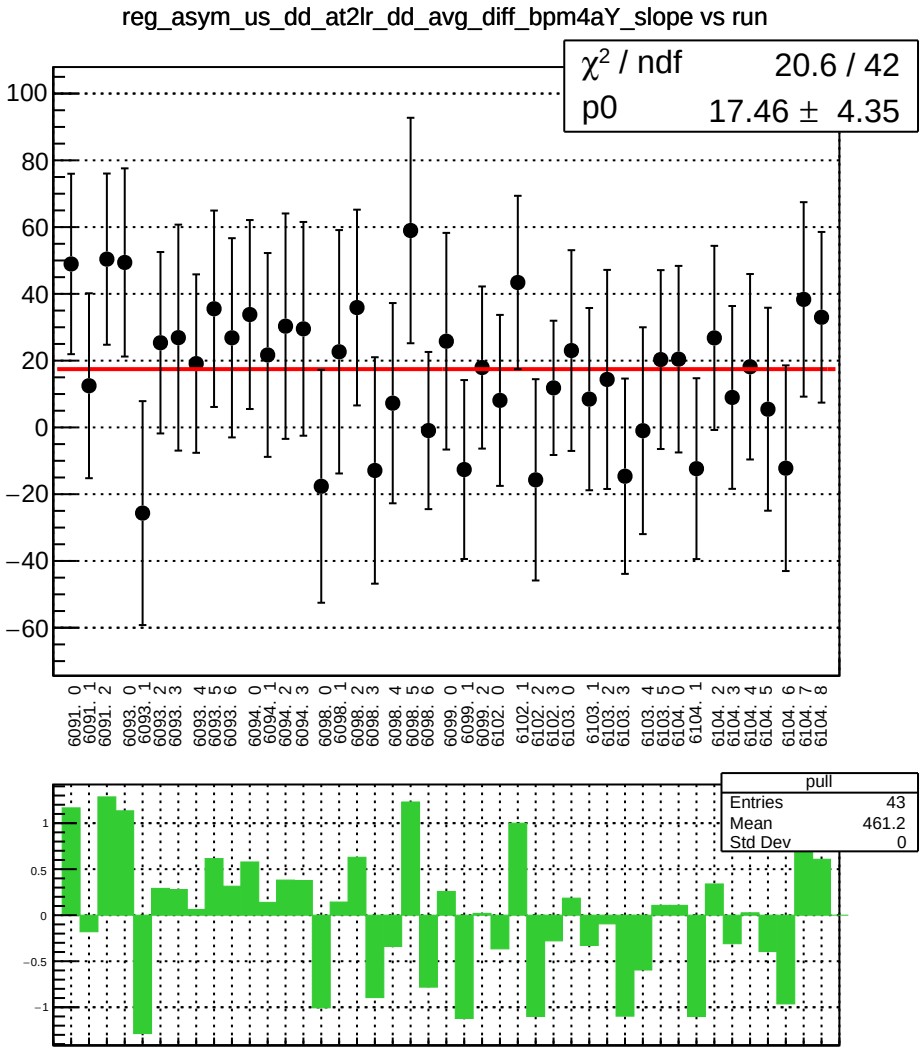

pull1D
Entries 43
Mean 0.008391
Std Dev 0.8135

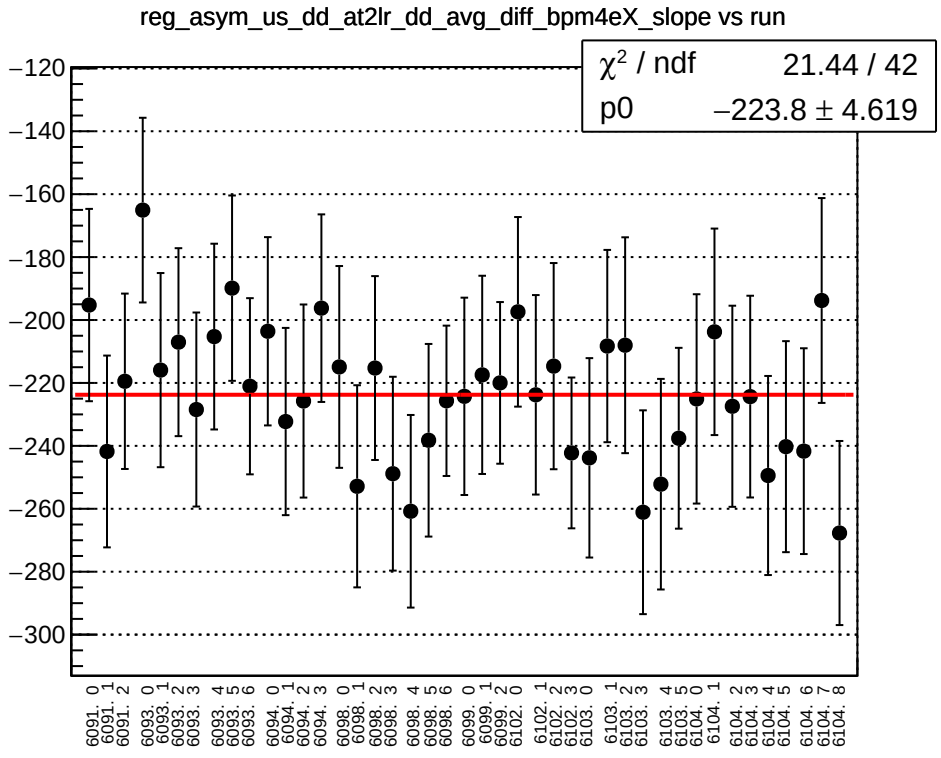

reg_asym_us_dd_at1lr_dd_dd_diff_bpm12X_slope vs run
χ² / ndf 22.5 / 42
p0 −4.82 ± 0.2352
pull
Entries 43
Mean 4.079e+04
Std Dev 0

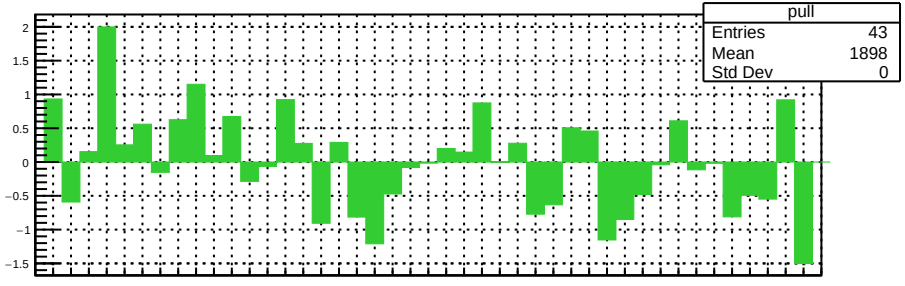

pull1D
Entries 43
Mean −5.293e−05
Std Dev 0.7234

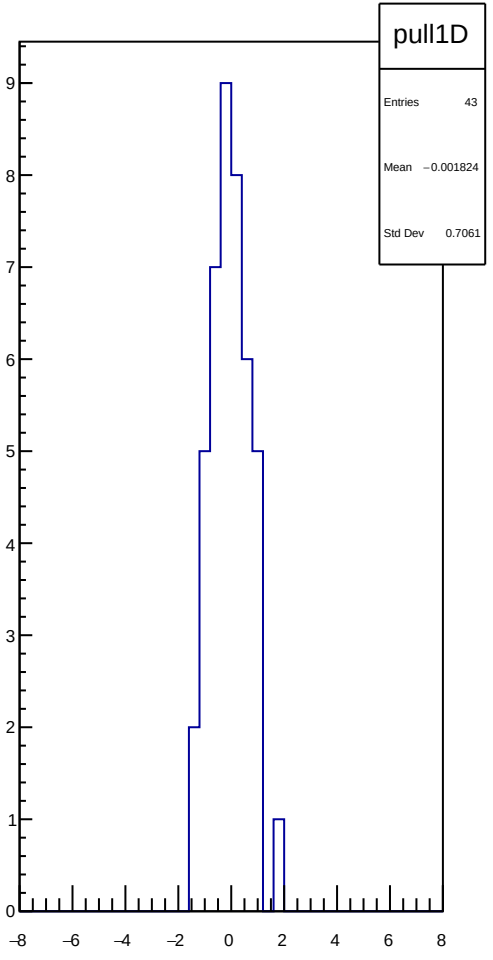

reg_asym_us_dd_at2lr_dd_avg_diff_bpm1X_slope vs run
χ² / ndf 21.88 / 42
p0 65.68 ± 3.781
pull
Entries 43
Mean 1405
Std Dev 0

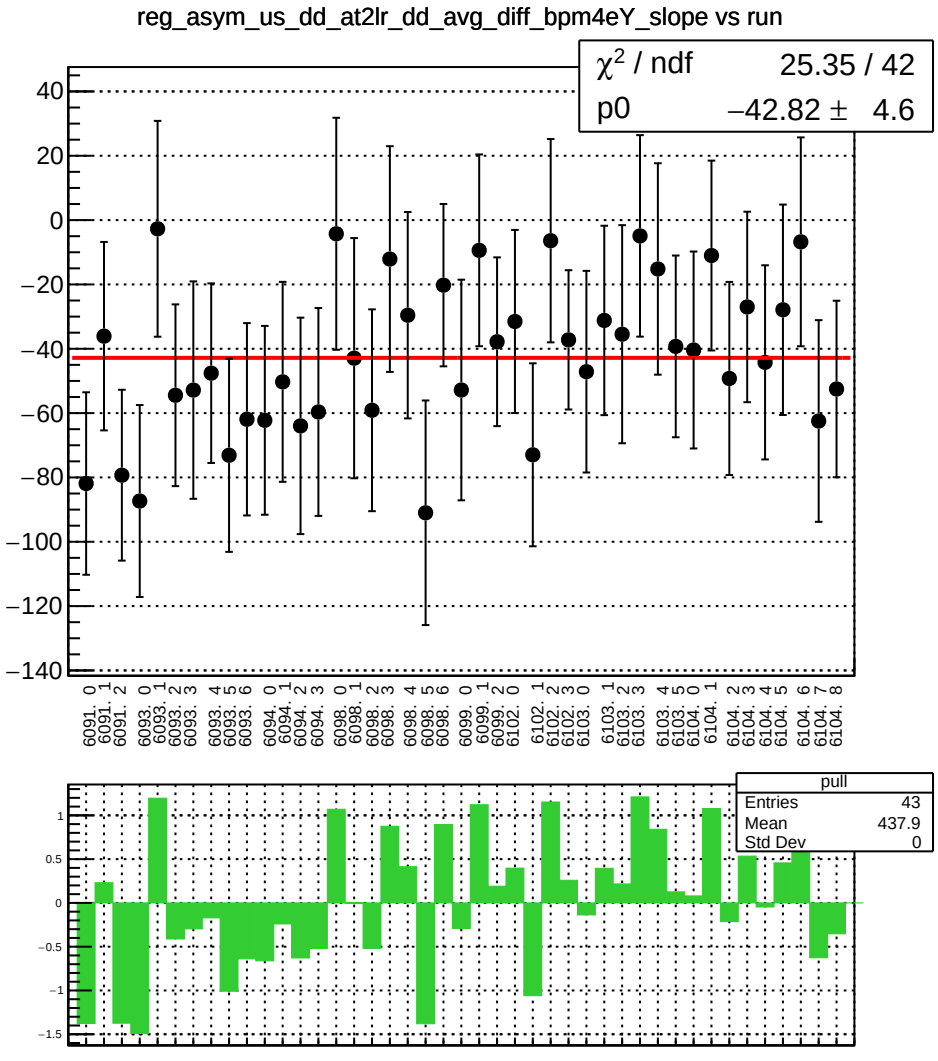

pull1D
Entries 43
Mean 0.002408
Std Dev 0.7133

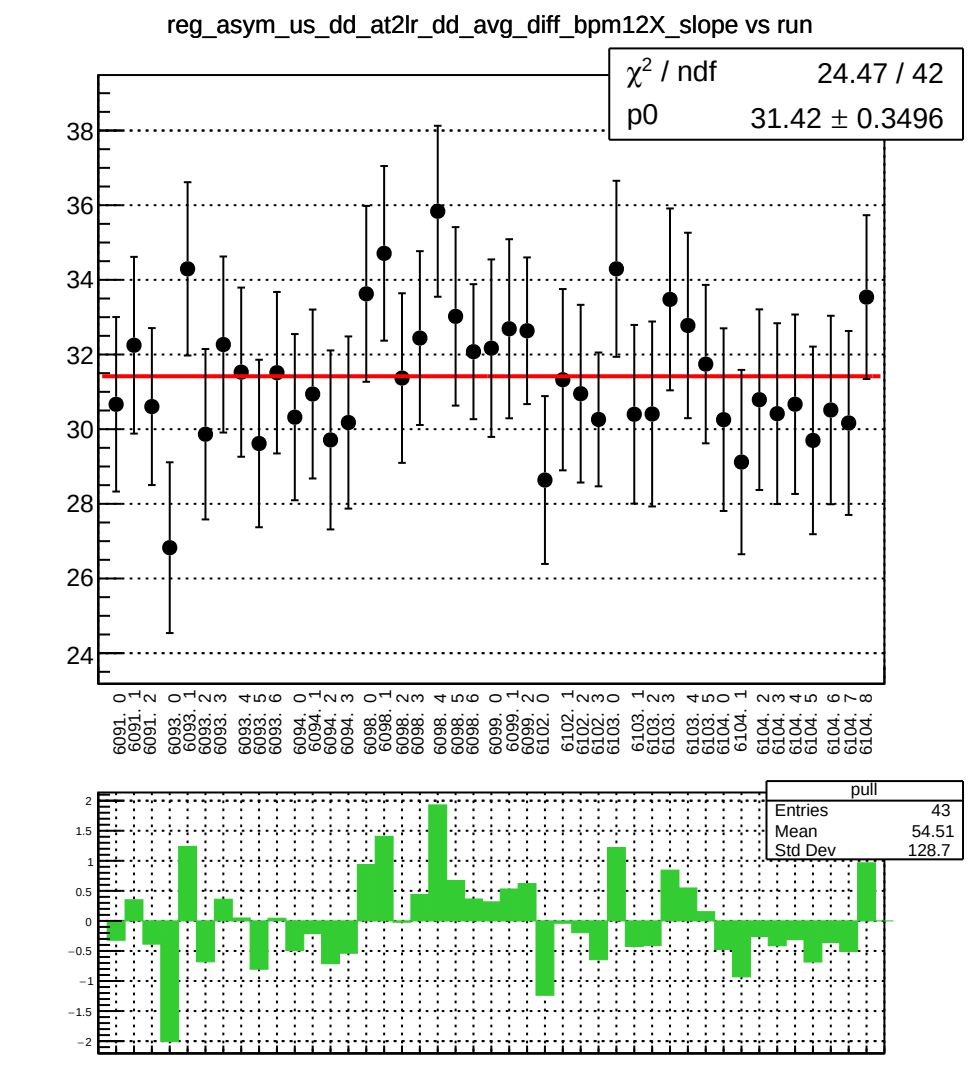

reg_asym_us_dd_at2lr_dd_avg_diff_bpm4aY_slope vs run
χ² / ndf 20.6 / 42
p0 17.46 ± 4.35
pull
Entries 43
Mean 461.2
Std Dev 0
pull1D
Entries 43
Mean −0.00577
Std Dev 0.6921

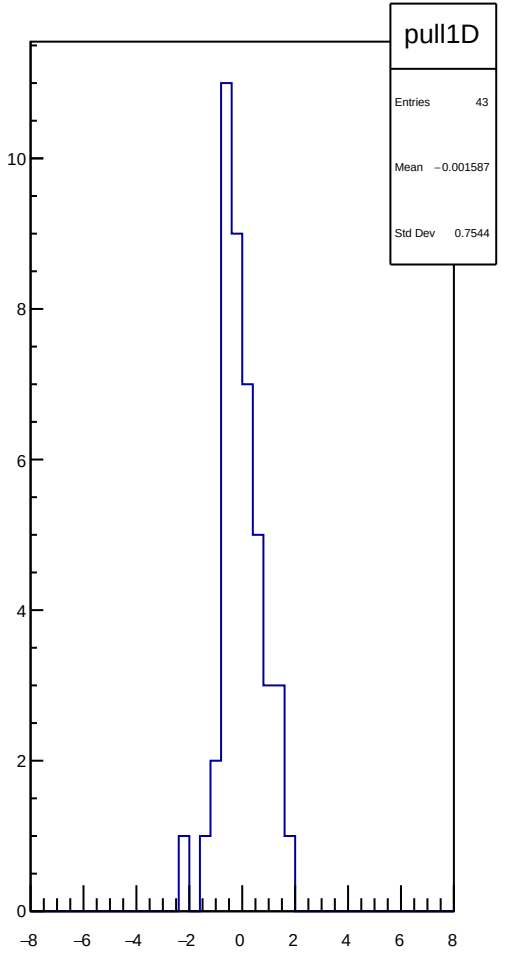

reg_asym_us_dd_at2lr_dd_avg_diff_bpm4eX_slope vs run
χ² / ndf 21.44 / 42
p0 −223.8 ± 4.619
−120
−140
−160
−180
−200
−220
−240
−260
−280
−300
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

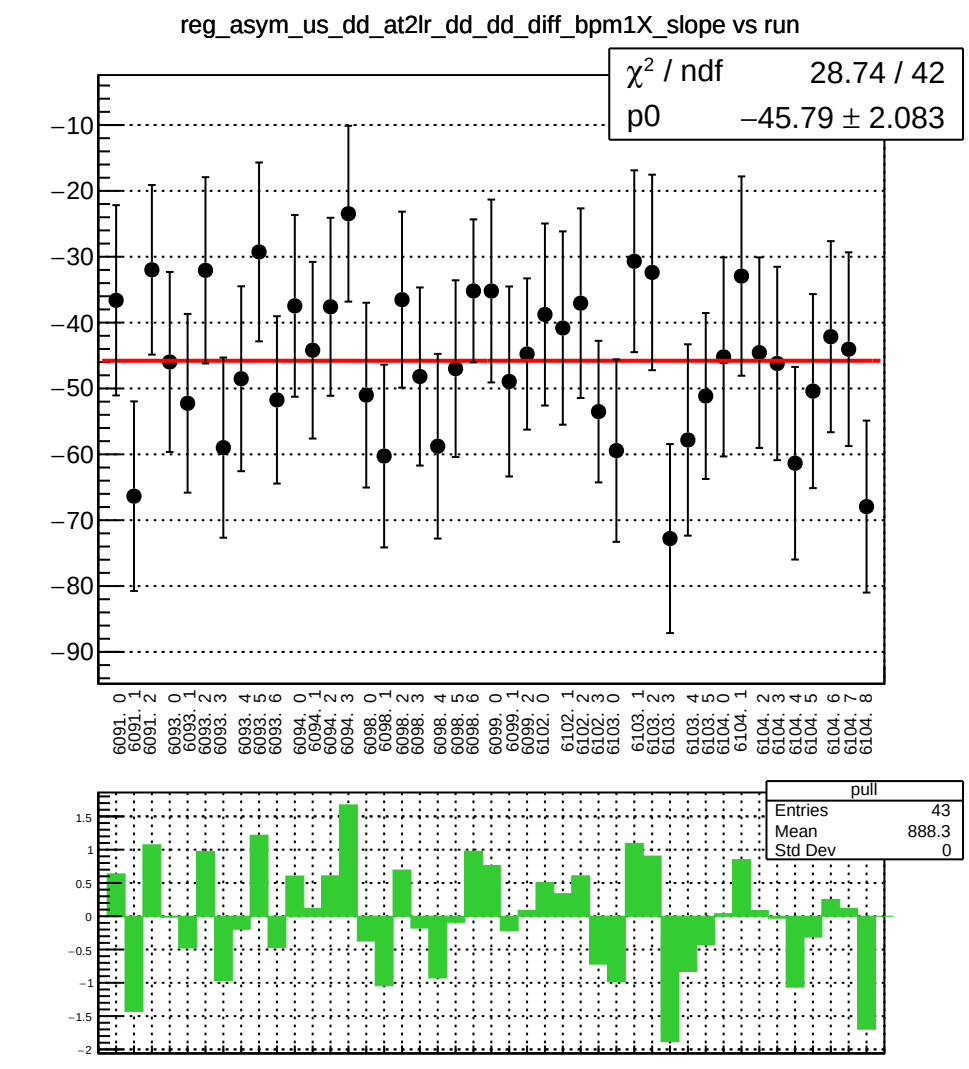

pull
Entries 43
Mean 1898
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5

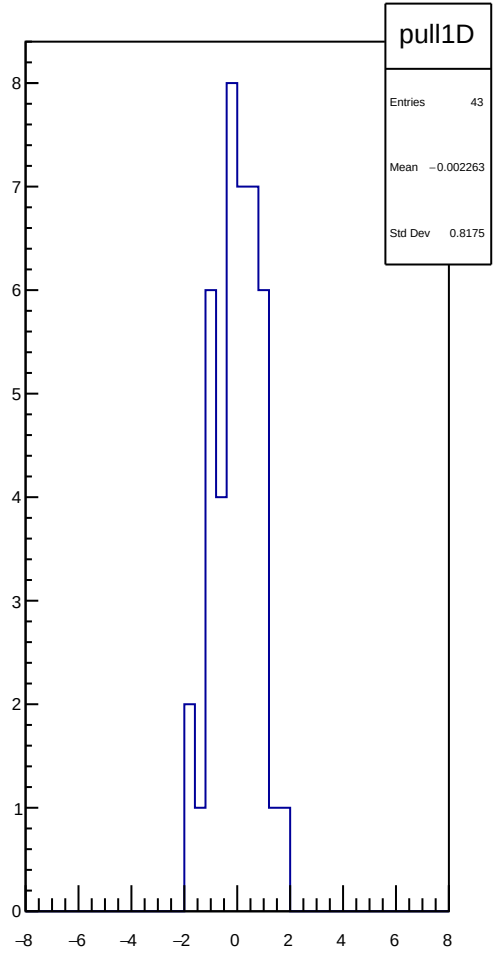

pull1D
Entries 43
Mean −0.001824
Std Dev 0.7061
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

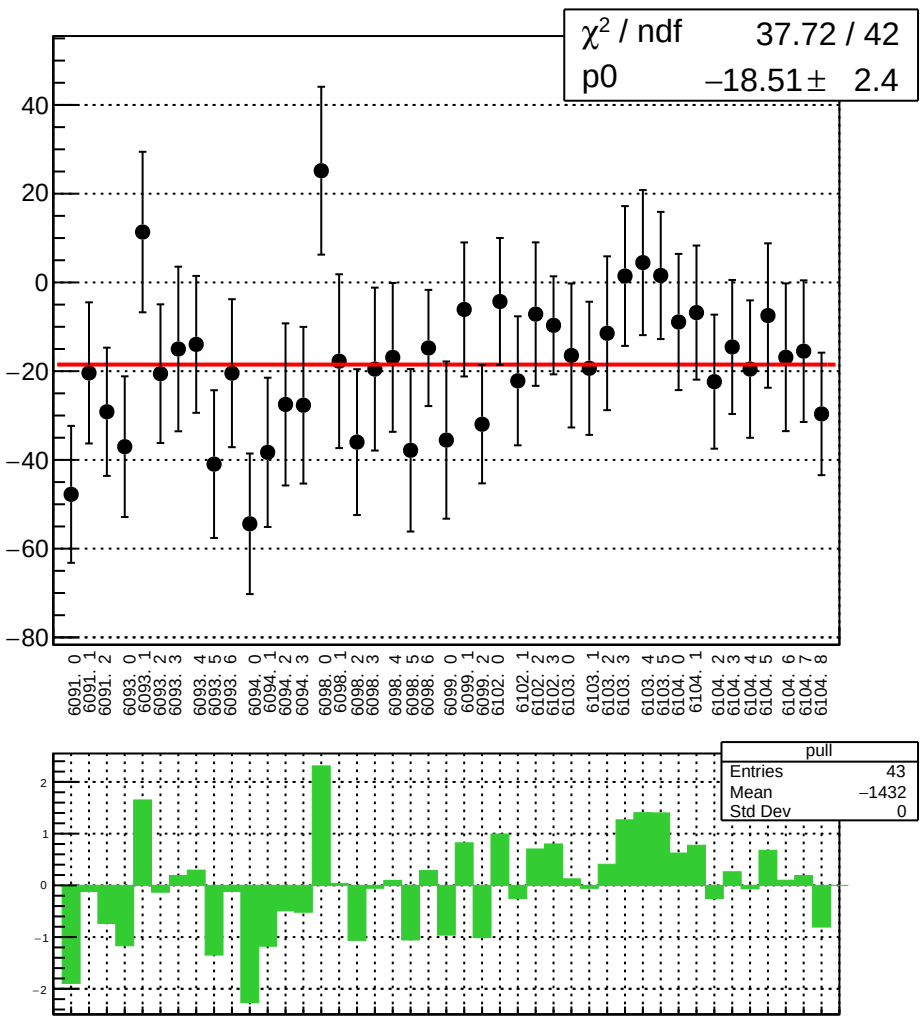

reg_asym_us_dd_at2lr_dd_avg_diff_bpm4eY_slope vs run
χ² / ndf 25.35 / 42
p0 −42.82 ± 4.6
pull
Entries 43
Mean 437.9
Std Dev 0
pull1D
Entries 43
Mean 0.009259
Std Dev 0.7678

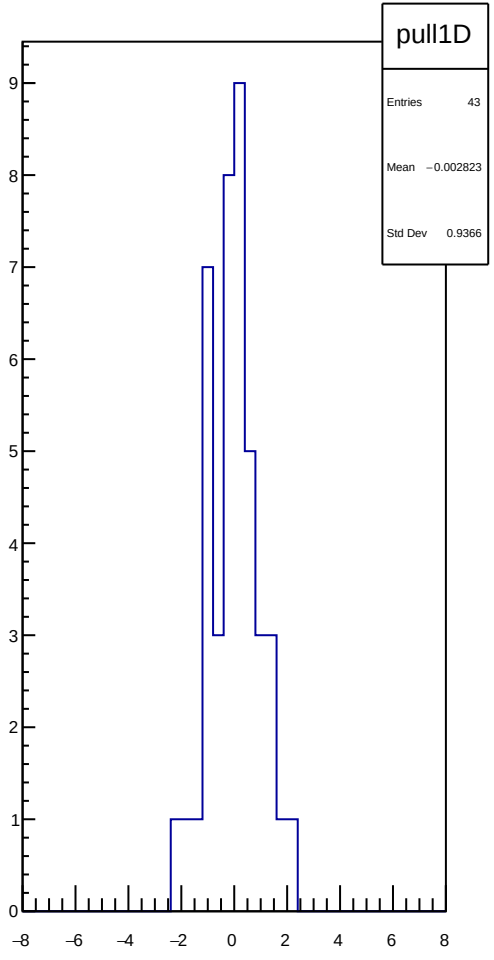

reg_asym_us_dd_at2lr_dd_avg_diff_bpm12X_slope vs run
χ² / ndf 24.47 / 42
p0 31.42 ± 0.3496
pull
Entries 43
Mean 54.51
Std Dev 128.7

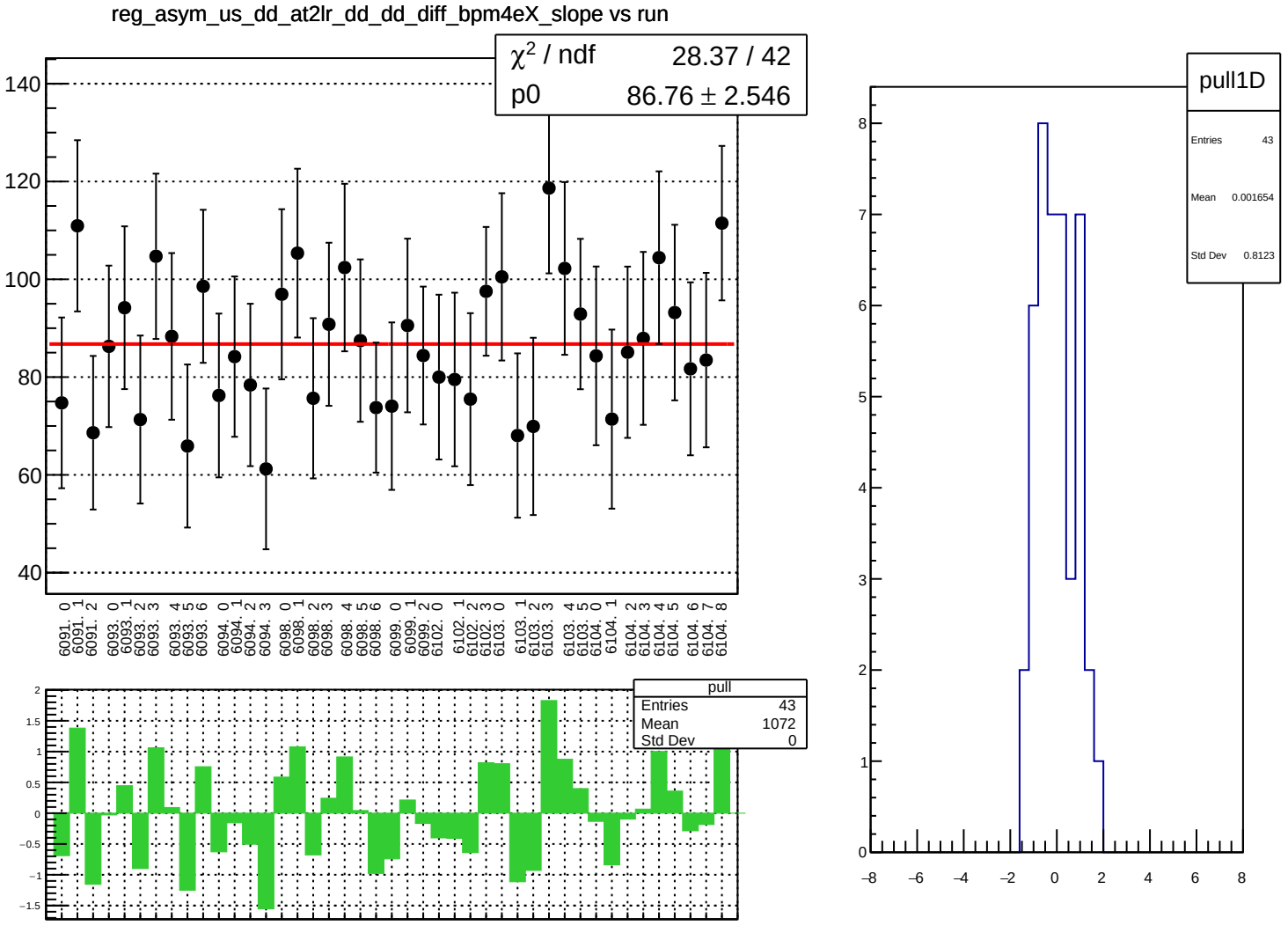

pull1D
Entries 43
Mean −0.001587
Std Dev 0.7544

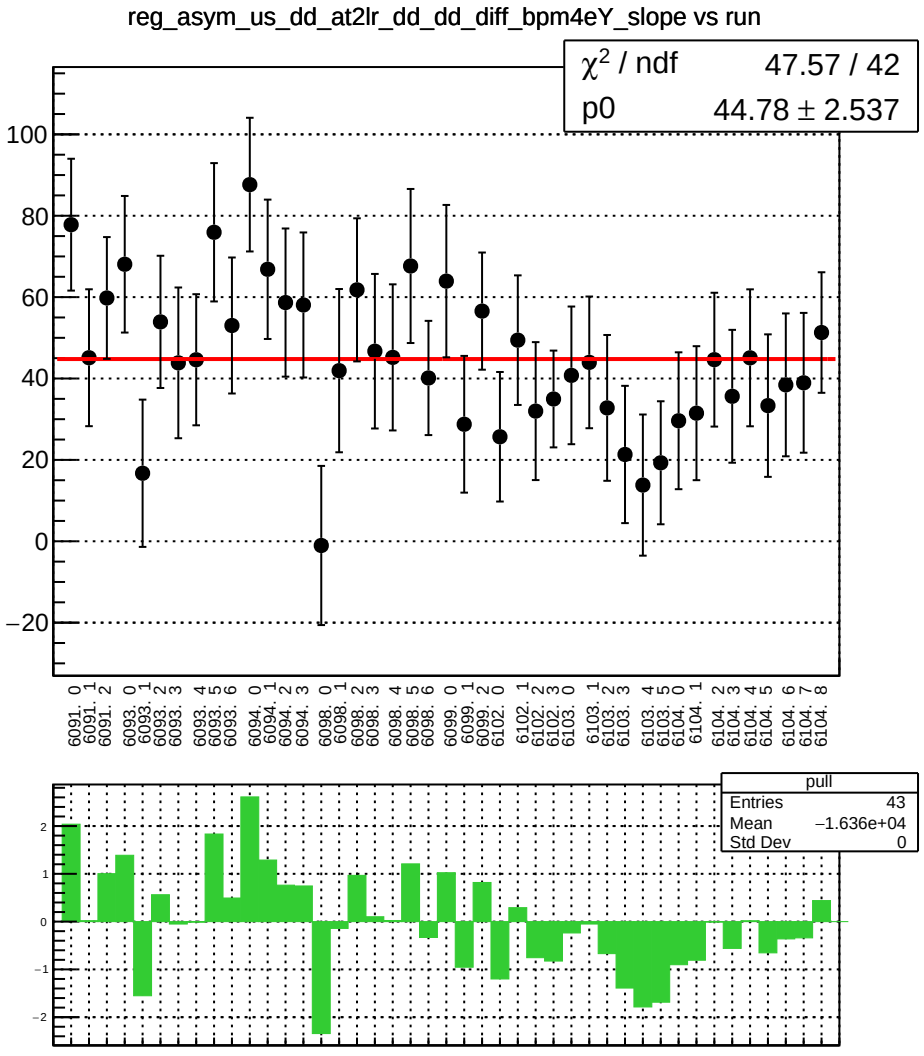

reg_asym_us_dd_at2lr_dd_dd_diff_bpm1X_slope vs run
χ² / ndf 28.74 / 42
p0 −45.79 ± 2.083
pull
Entries 43
Mean 888.3
Std Dev 0

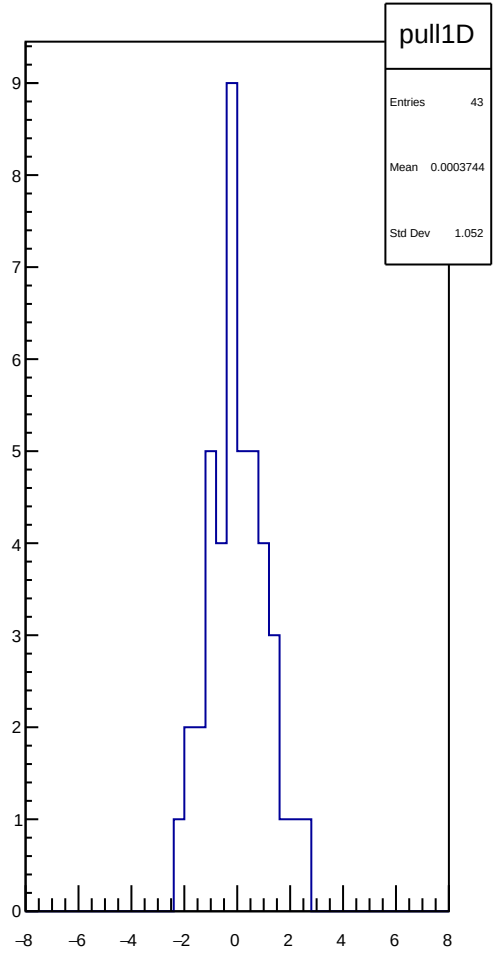

pull1D
Entries 43
Mean −0.002263
Std Dev 0.8175

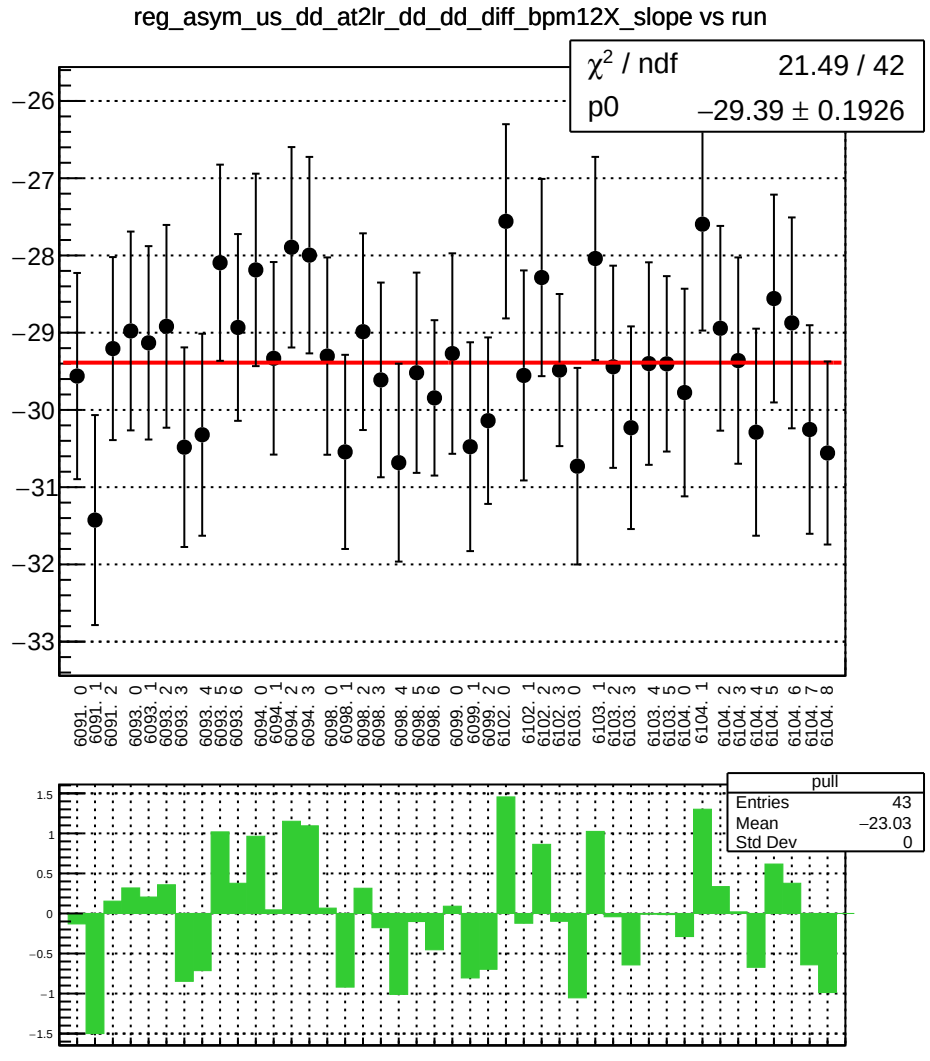

reg_asym_us_dd_at2lr_dd_dd_diff_bpm4aY_slope vs run
χ² / ndf 37.72 / 42
p0 −18.51 ± 2.4
pull
Entries 43
Mean −1432
Std Dev 0

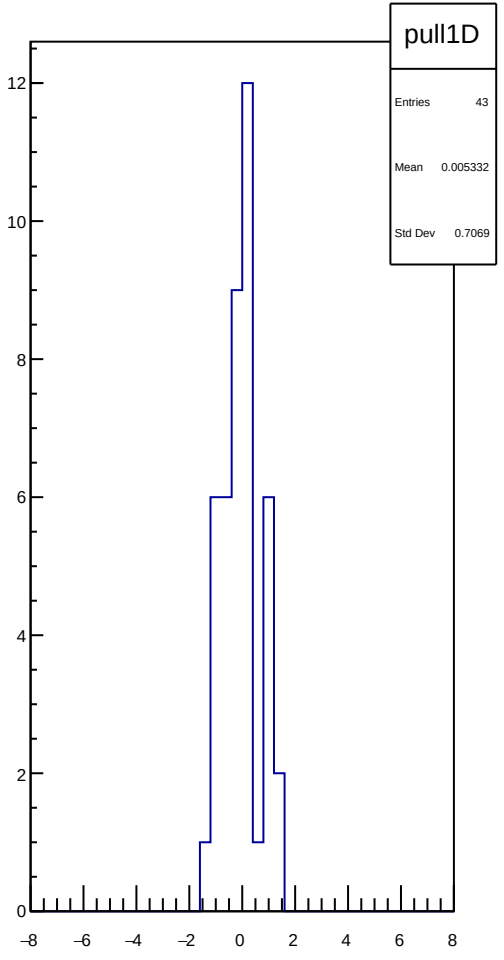

pull1D
Entries 43
Mean −0.002823
Std Dev 0.9366

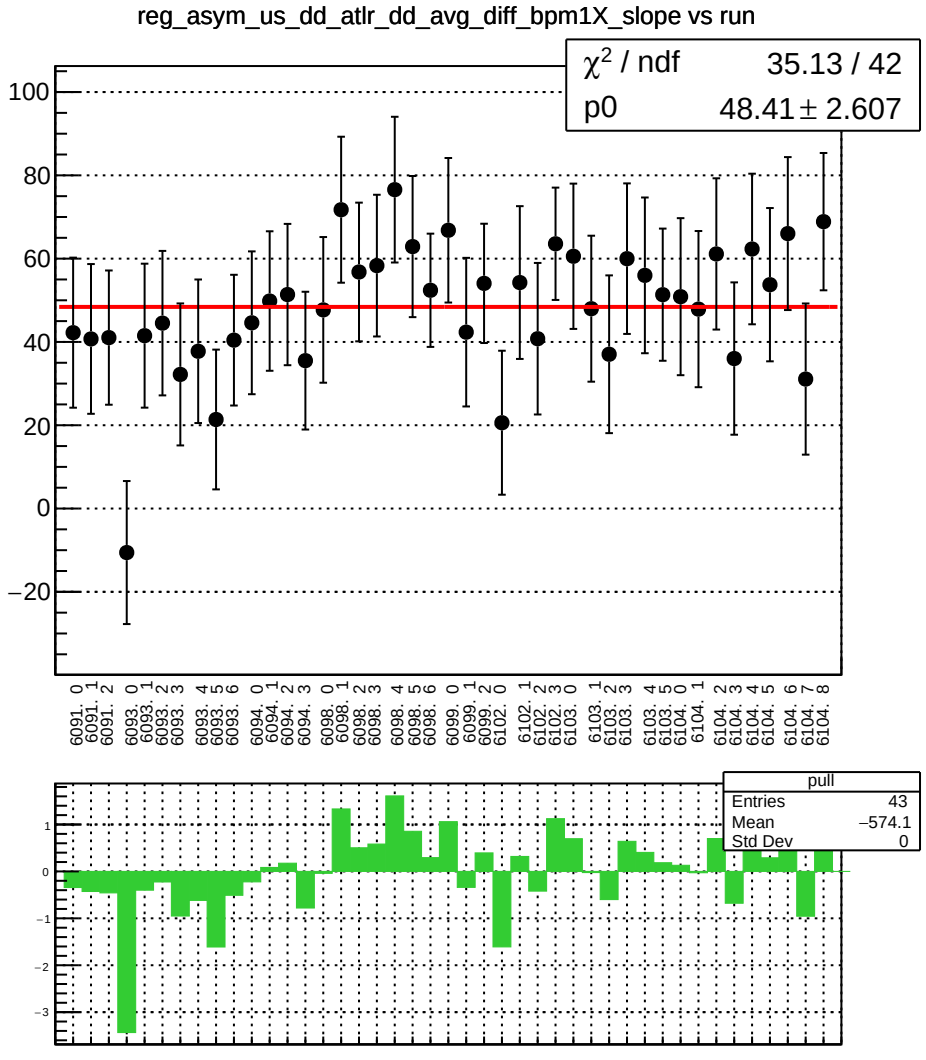

reg_asym_us_dd_at2lr_dd_dd_diff_bpm4eX_slope vs run
χ² / ndf 28.37 / 42
p0 86.76 ± 2.546
140
120
100
80
60
40
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 1072
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 43
Mean 0.001654
Std Dev 0.8123
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

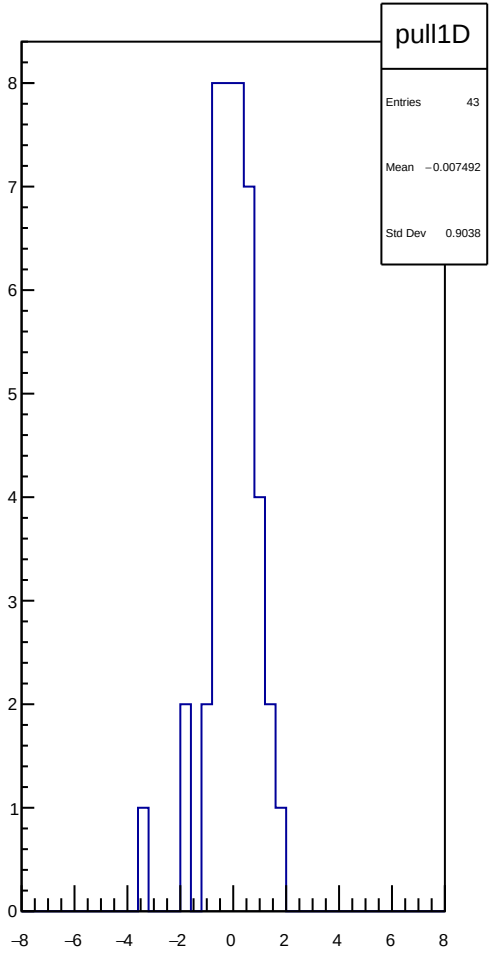

reg_asym_us_dd_at2lr_dd_dd_diff_bpm4eY_slope vs run
χ² / ndf 47.57 / 42
p0 44.78 ± 2.537
pull
Entries 43
Mean −1.636e+04
Std Dev 0

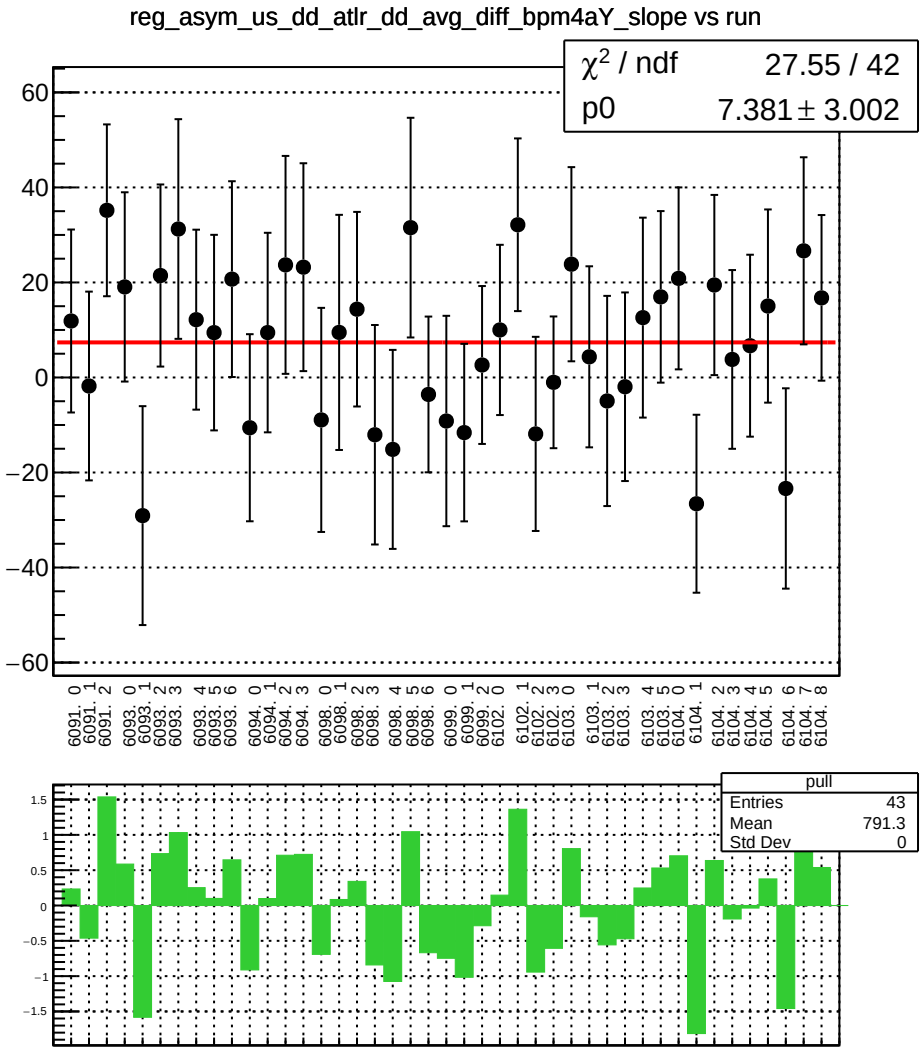

pull1D
Entries 43
Mean 0.0003744
Std Dev 1.052

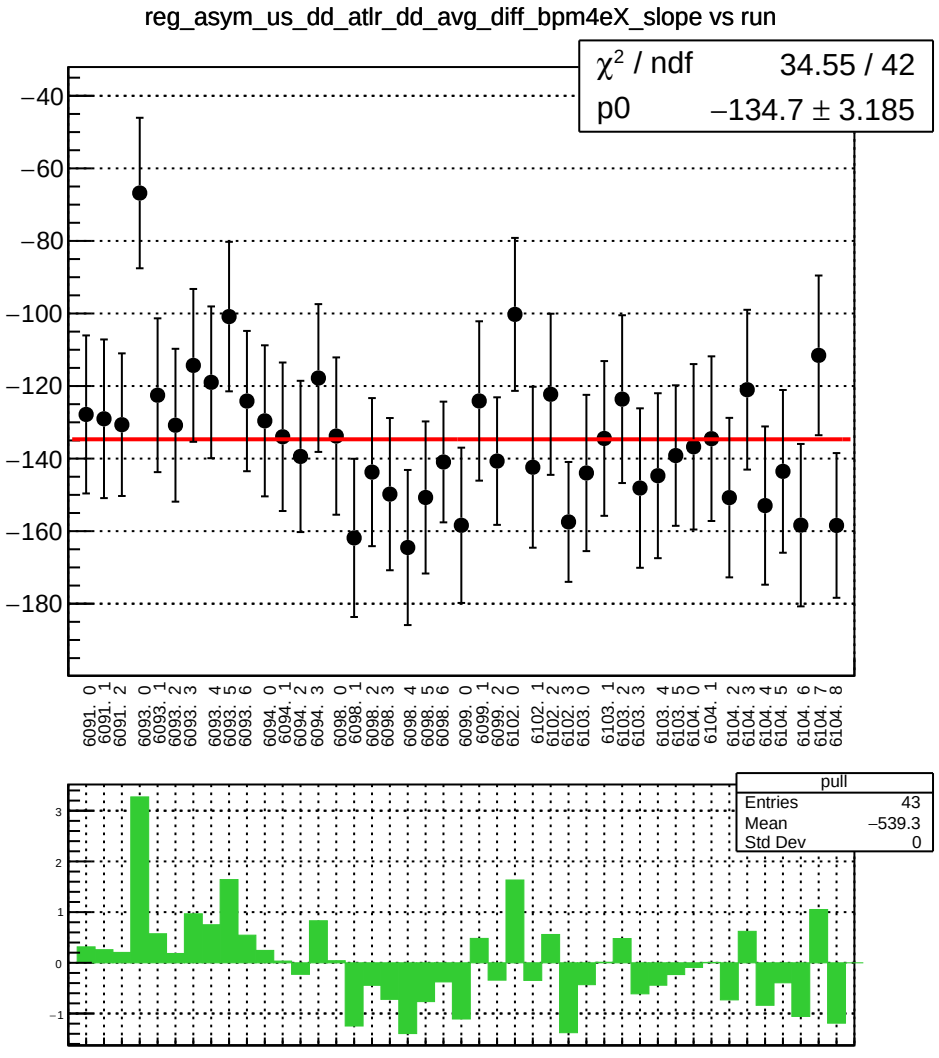

reg_asym_us_dd_at2lr_dd_dd_diff_bpm12X_slope vs run
χ² / ndf 21.49 / 42
p0 −29.39 ± 0.1926
pull
Entries 43
Mean −23.03
Std Dev 0

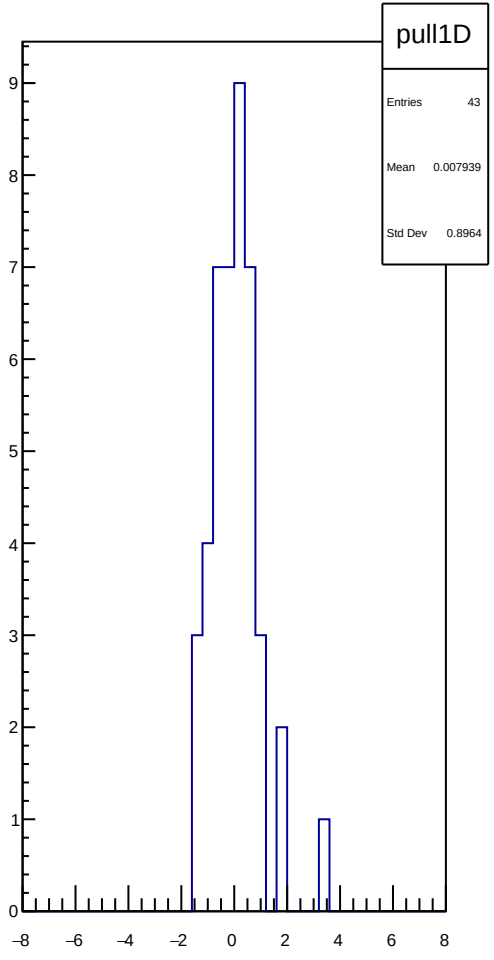

pull1D
Entries 43
Mean 0.005332
Std Dev 0.7069

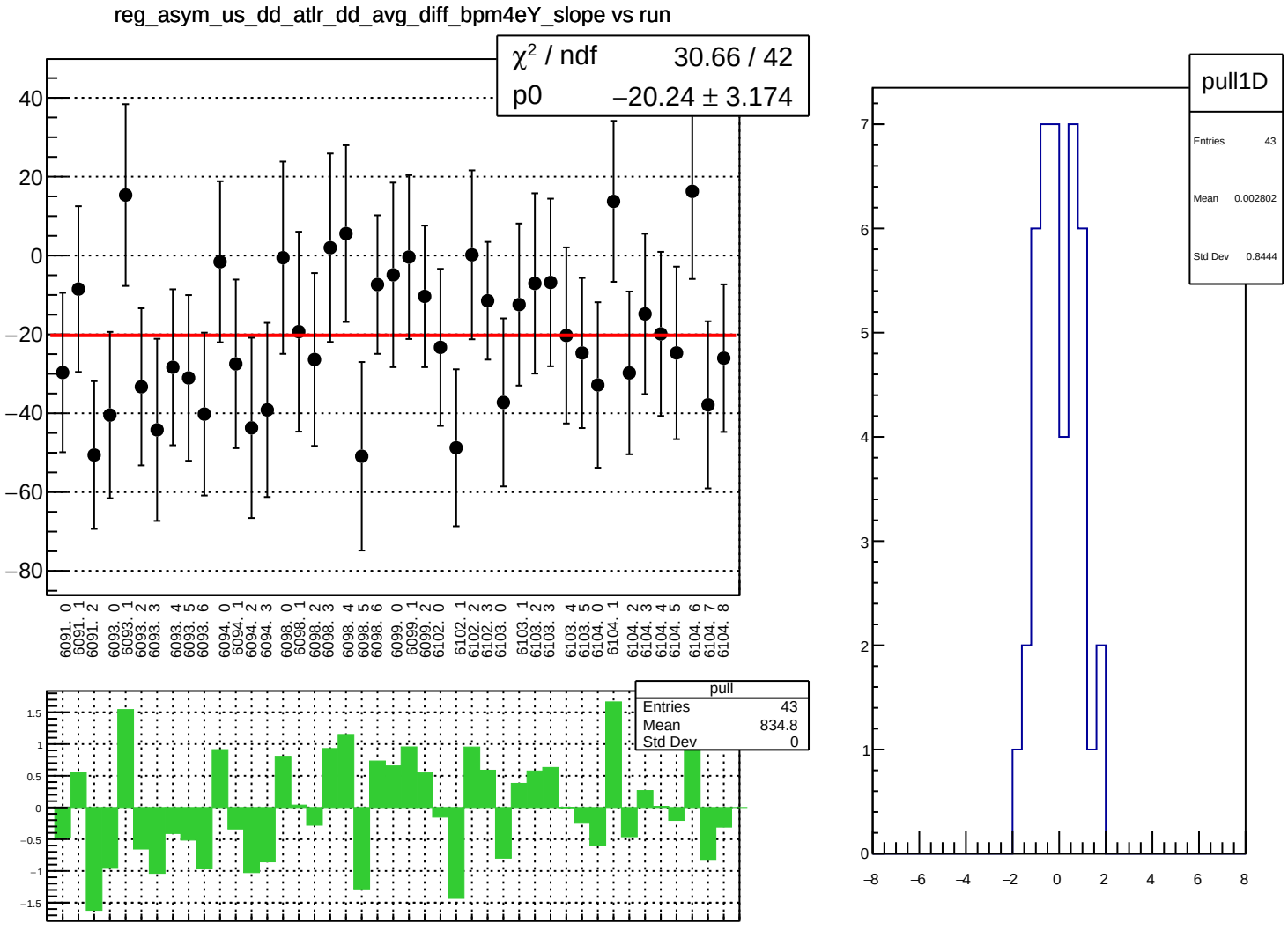

reg_asym_us_dd_atlr_dd_avg_diff_bpm1X_slope vs run
χ² / ndf 35.13 / 42
p0 48.41 ± 2.607
pull
Entries 43
Mean −574.1
Std Dev 0

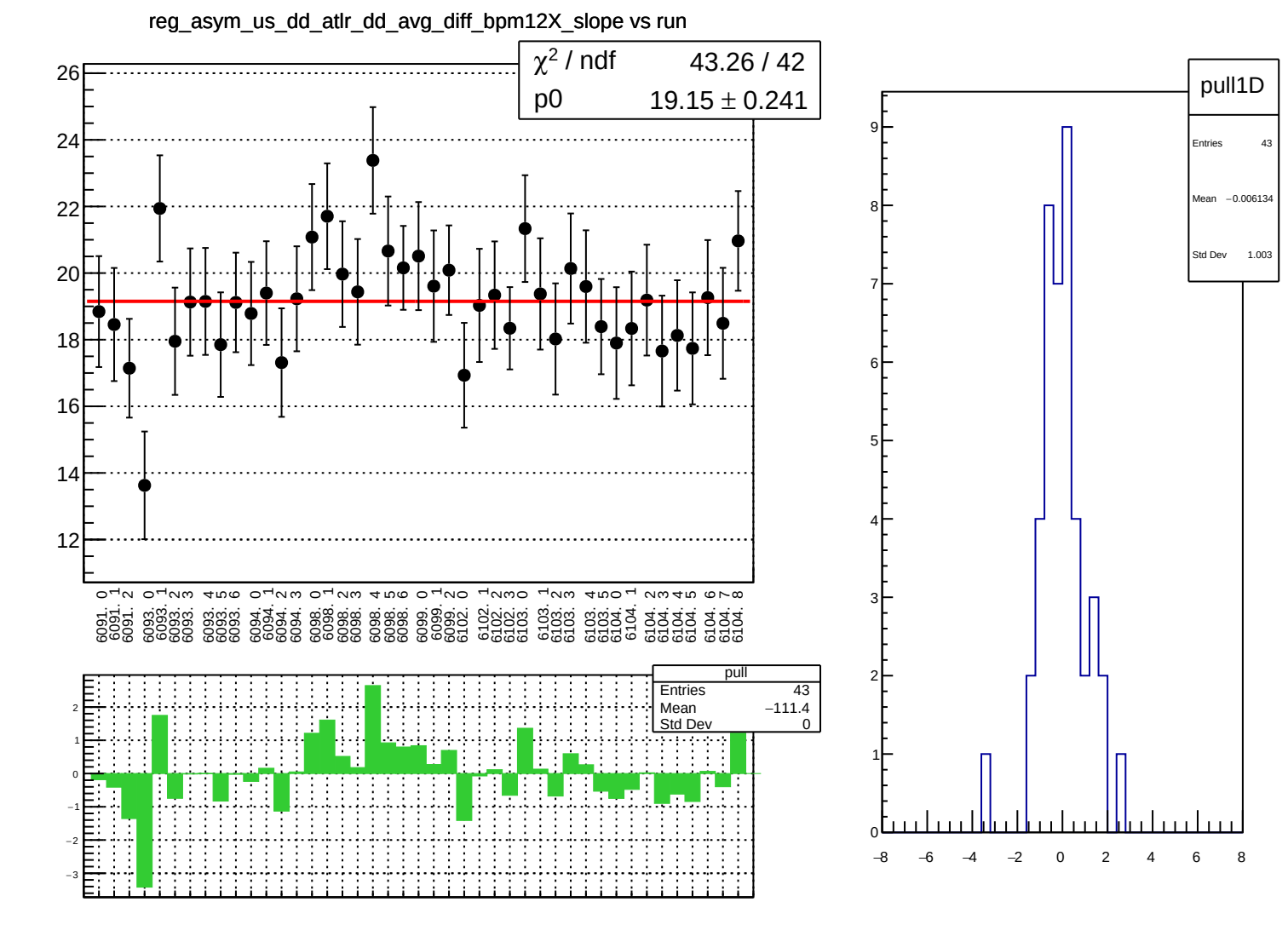

pull1D
Entries 43
Mean −0.007492
Std Dev 0.9038

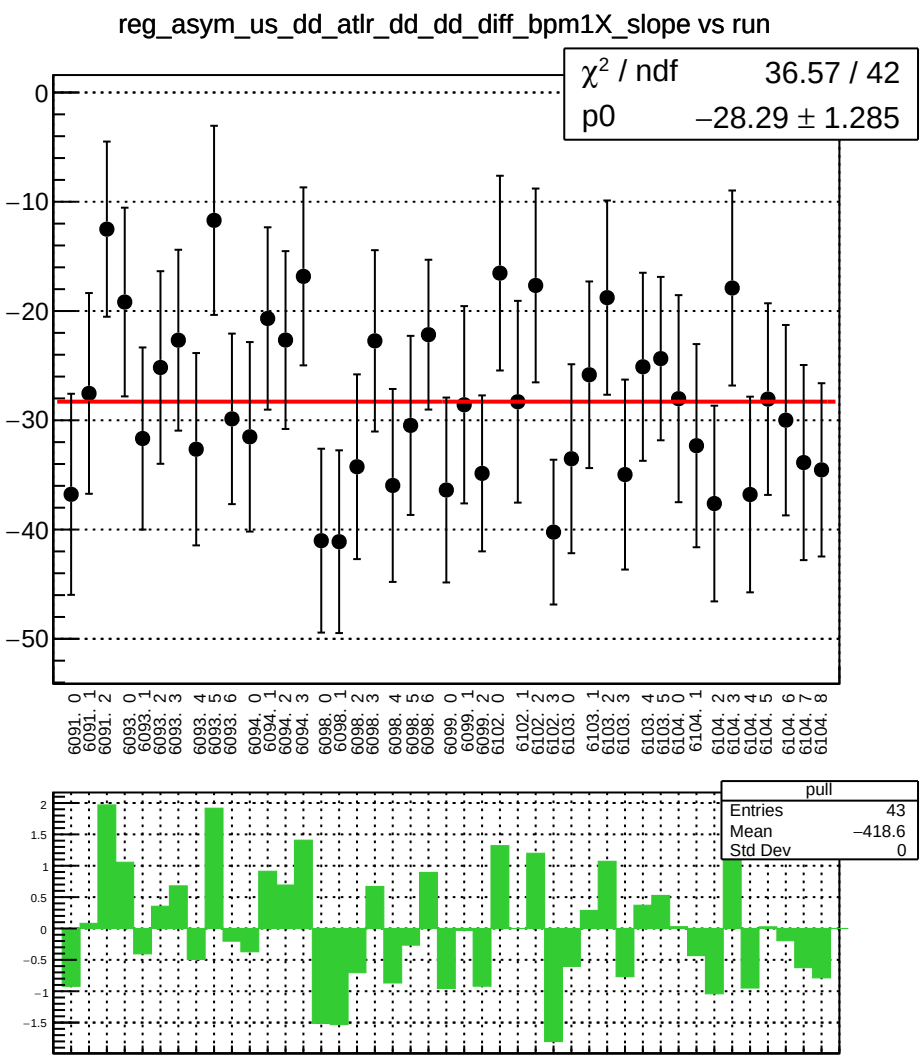

reg_asym_us_dd_atlr_dd_avg_diff_bpm4aY_slope vs run
χ² / ndf 27.55 / 42
p0 7.381 ± 3.002
pull
Entries 43
Mean 791.3
Std Dev 0
pull1D
Entries 43
Mean −0.001342
Std Dev 0.8004

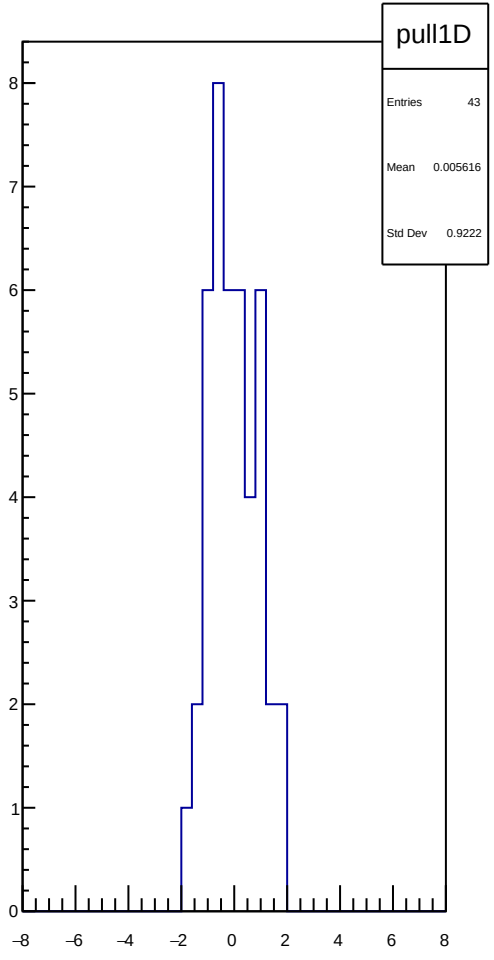

reg_asym_us_dd_atlr_dd_avg_diff_bpm4eX_slope vs run
χ² / ndf 34.55 / 42
p0 −134.7 ± 3.185
pull
Entries 43
Mean −539.3
Std Dev 0

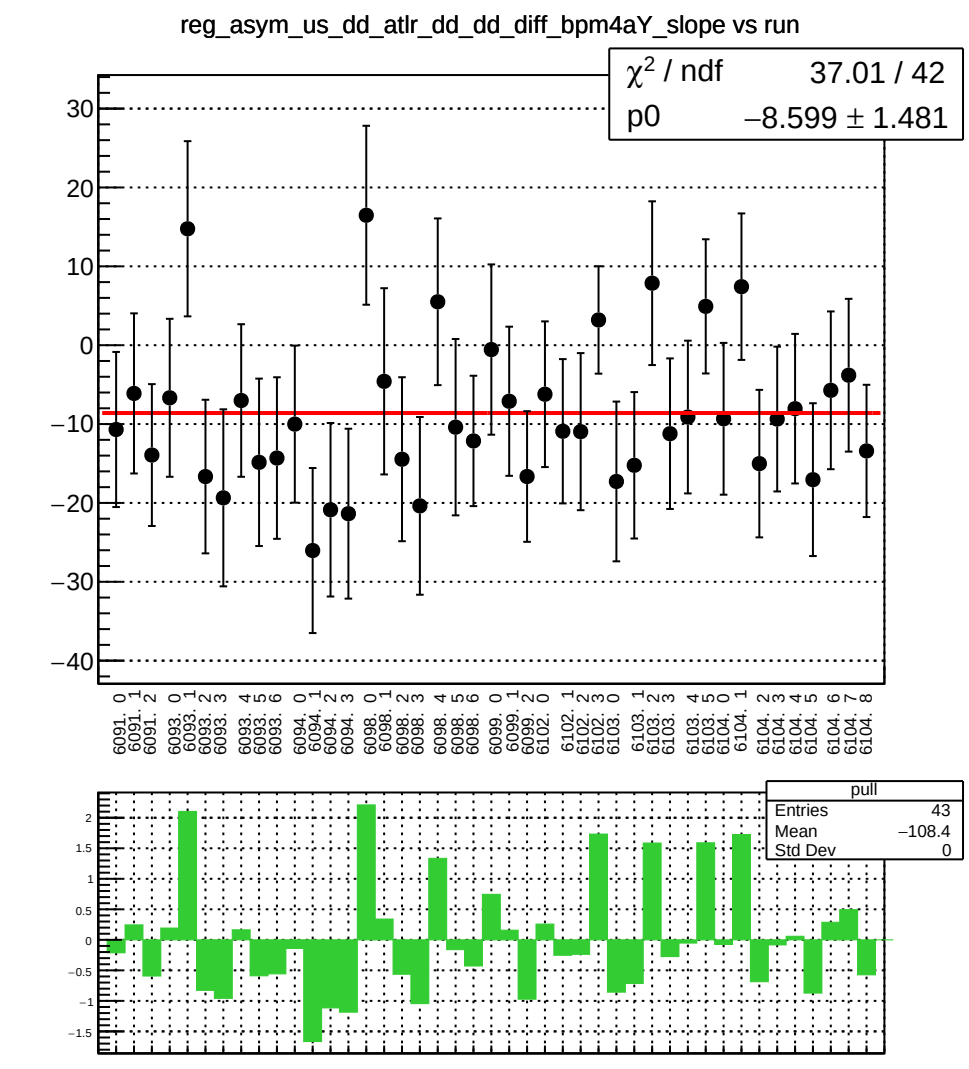

pull1D
Entries 43
Mean 0.007939
Std Dev 0.8964

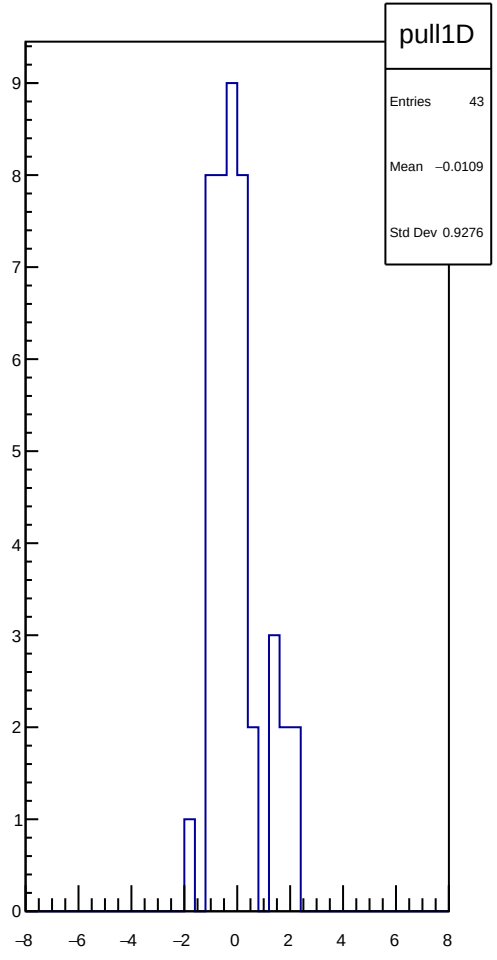

reg_asym_us_dd_atlr_dd_avg_diff_bpm4eY_slope vs run
χ² / ndf 30.66 / 42
p0 −20.24 ± 3.174
pull
Entries 43
Mean 834.8
Std Dev 0
pull1D
Entries 43
Mean 0.002802
Std Dev 0.8444

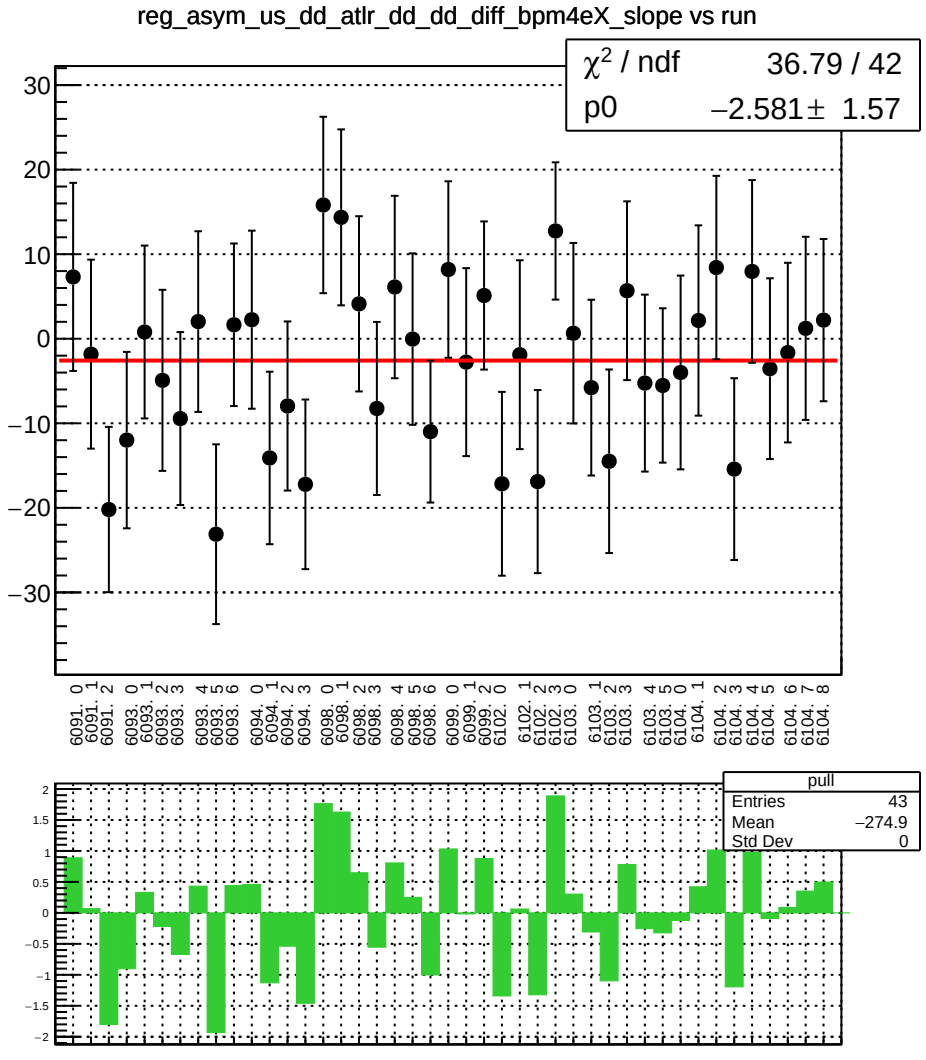

reg_asym_us_dd_atlr_dd_avg_diff_bpm12X_slope vs run
χ² / ndf 43.26 / 42
p0 19.15 ± 0.241
pull
Entries 43
Mean −111.4
Std Dev 0
pull1D
Entries 43
Mean −0.006134
Std Dev 1.003

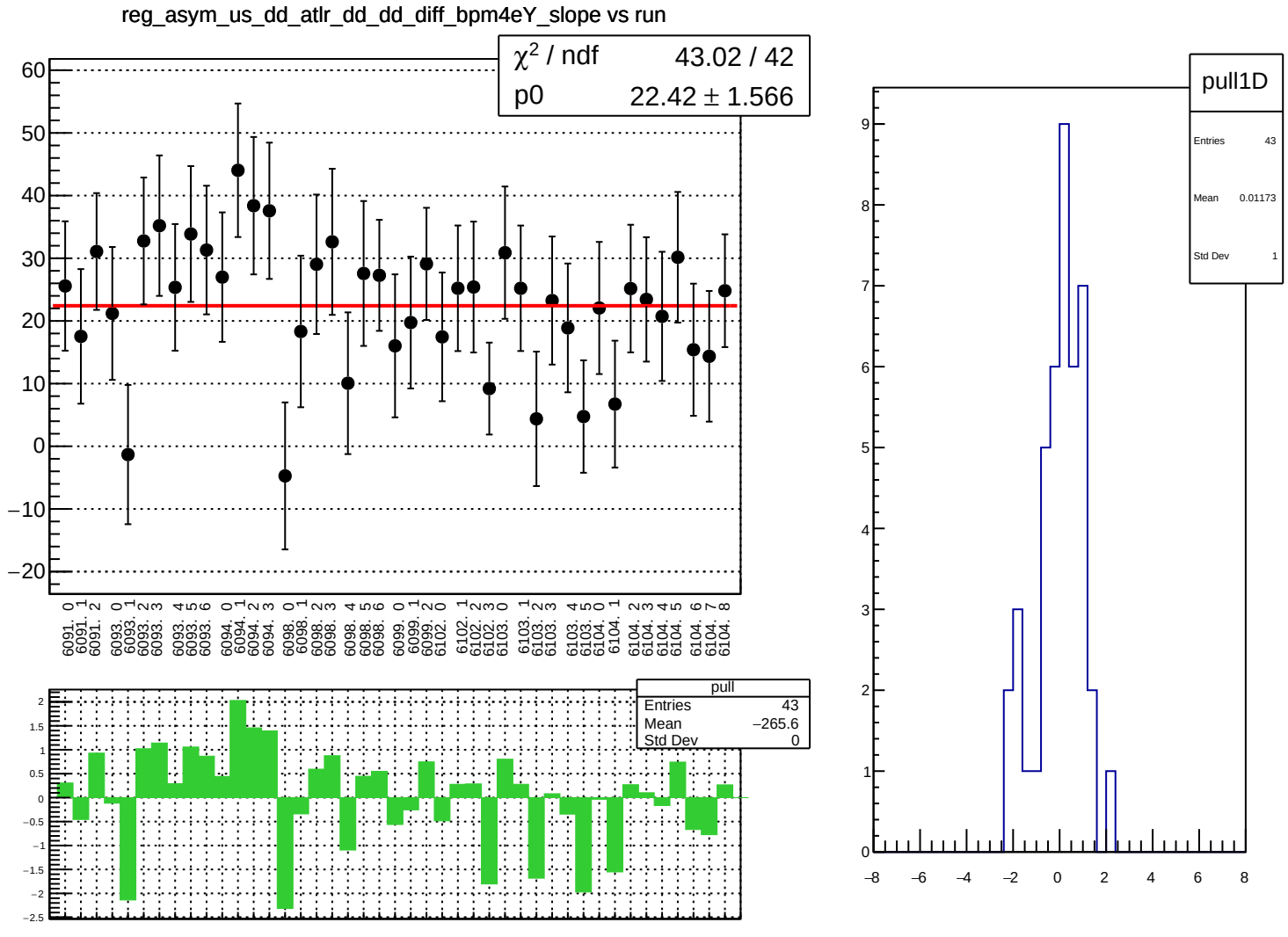

reg_asym_us_dd_atlr_dd_dd_diff_bpm1X_slope vs run
χ² / ndf 36.57 / 42
p0 −28.29 ± 1.285
0
−10
−20
−30
−40
−50
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean −418.6
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5

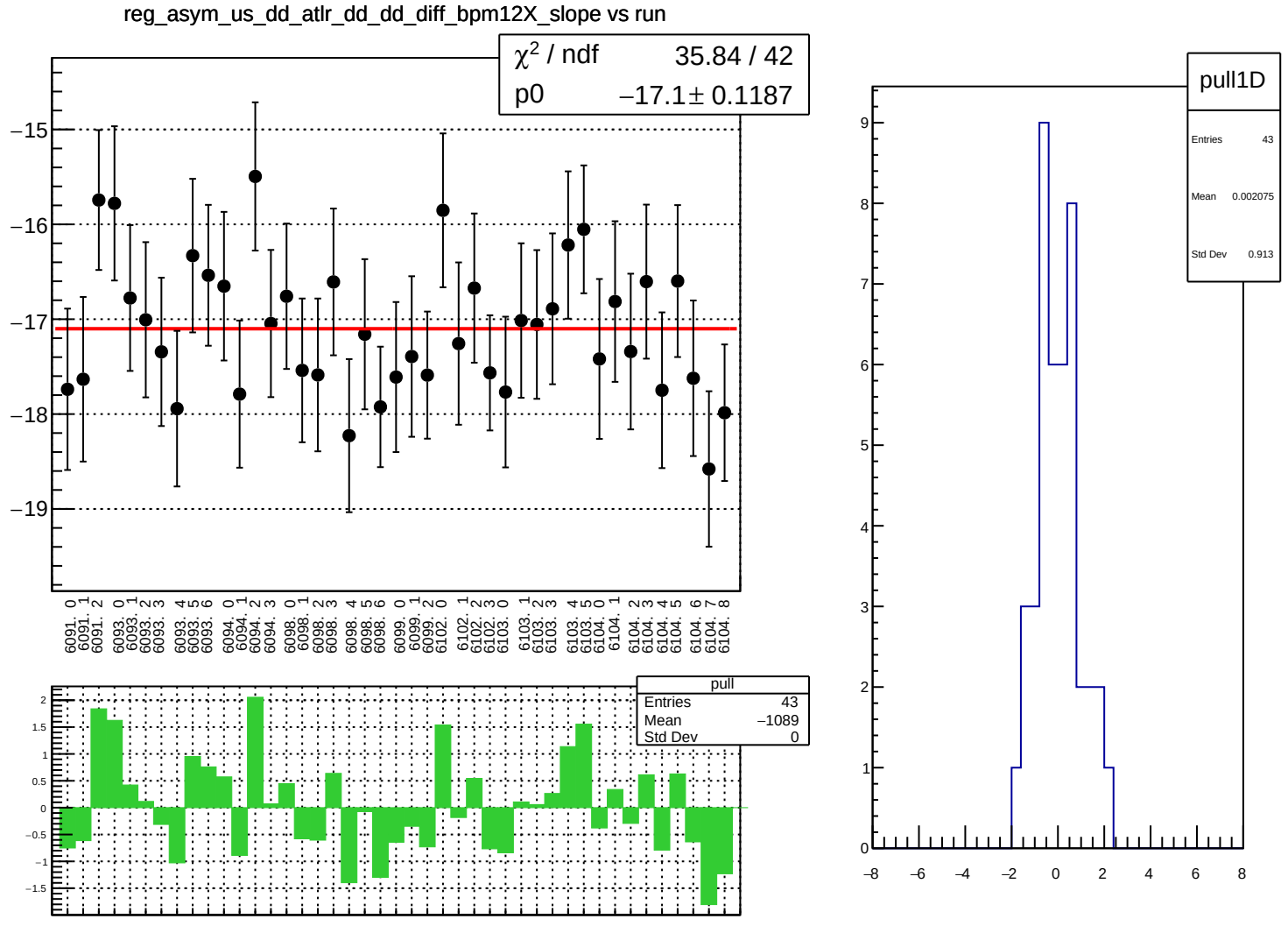

pull1D
Entries 43
Mean 0.005616
Std Dev 0.9222
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

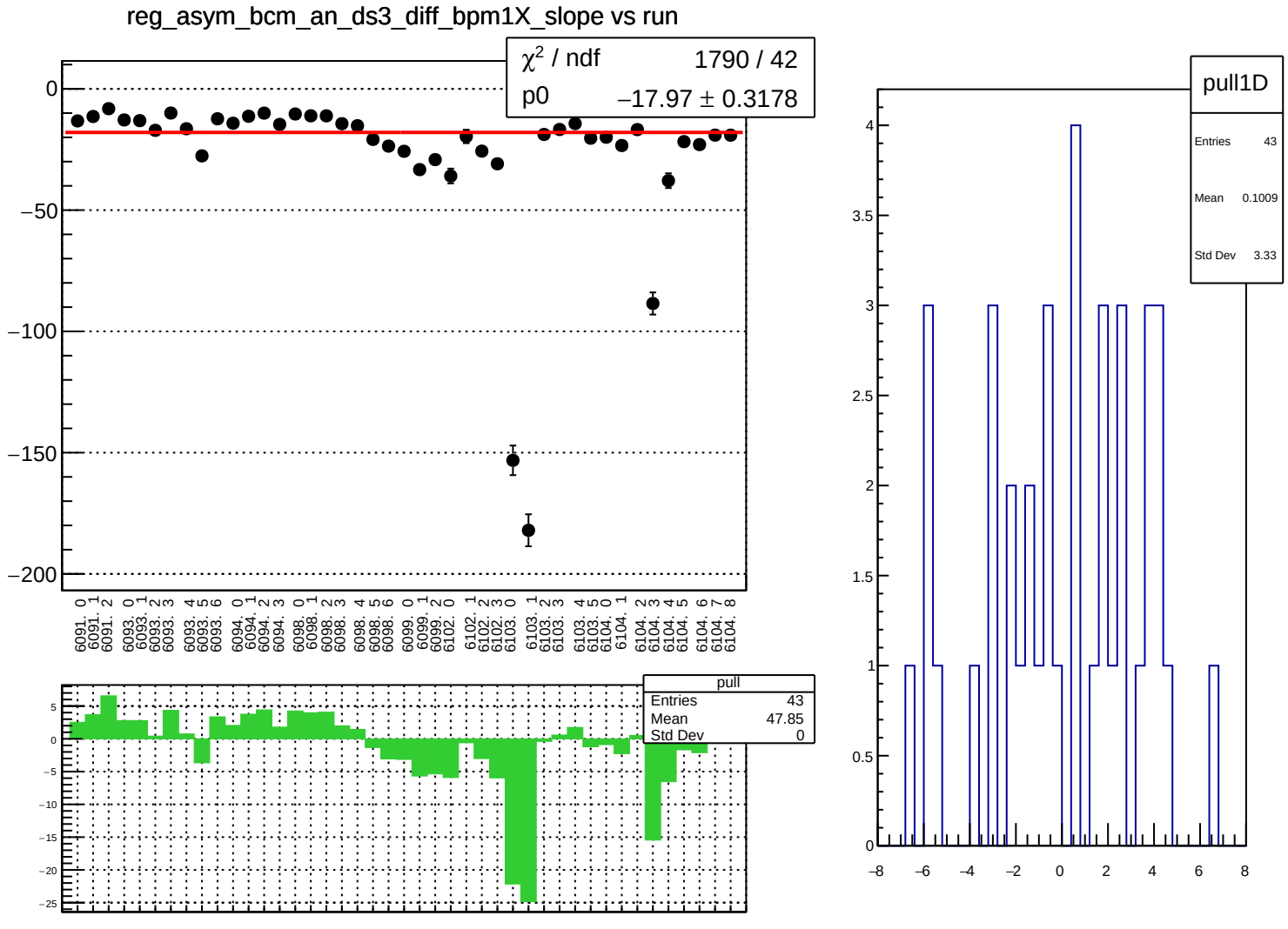

reg_asym_us_dd_atlr_dd_dd_diff_bpm4aY_slope vs run
χ² / ndf 37.01 / 42
p0 −8.599 ± 1.481
30
20
10
0
−10
−20
−30
−40
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean −108.4
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5

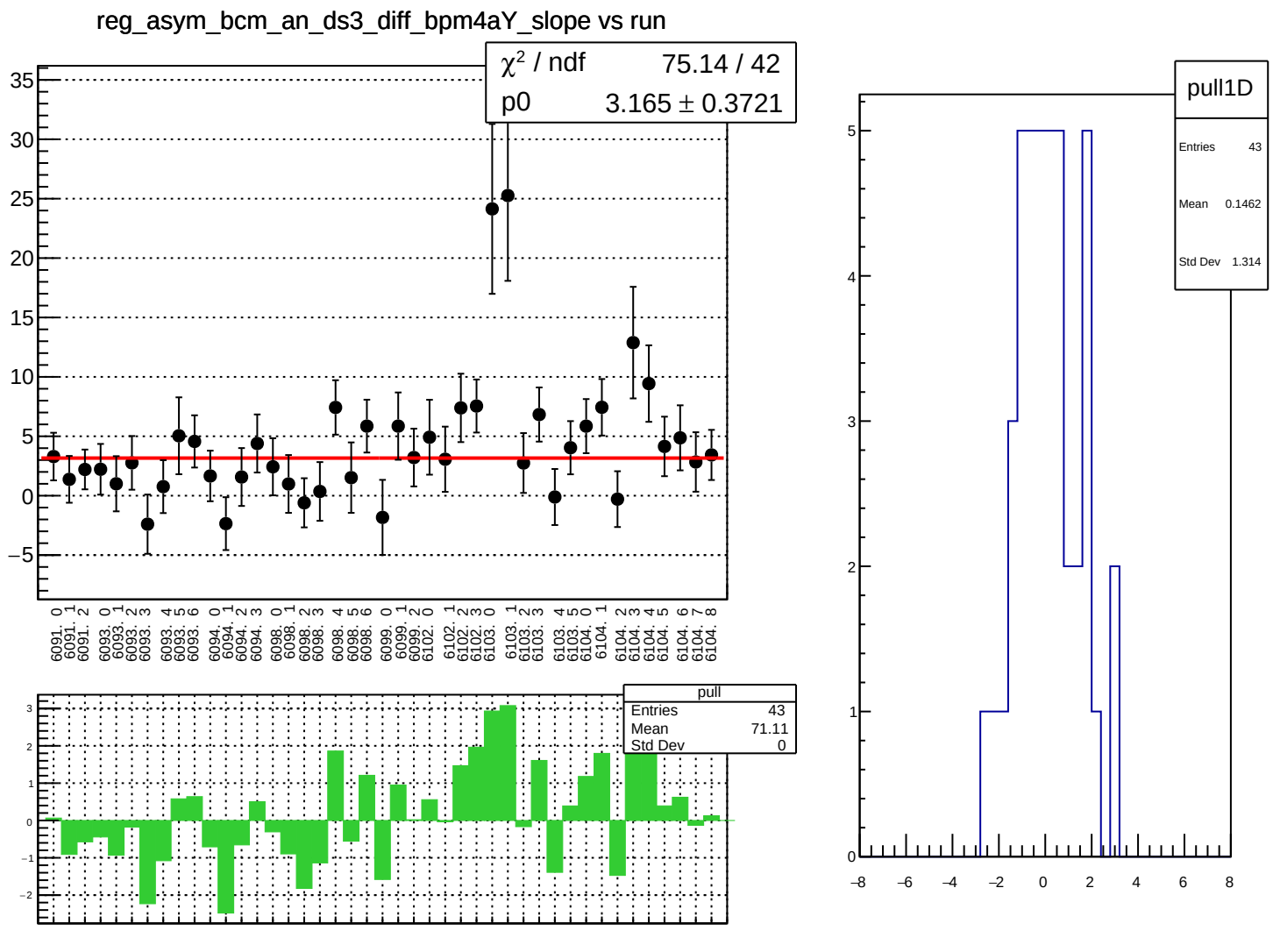

pull1D
Entries 43
Mean −0.0109
Std Dev 0.9276
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

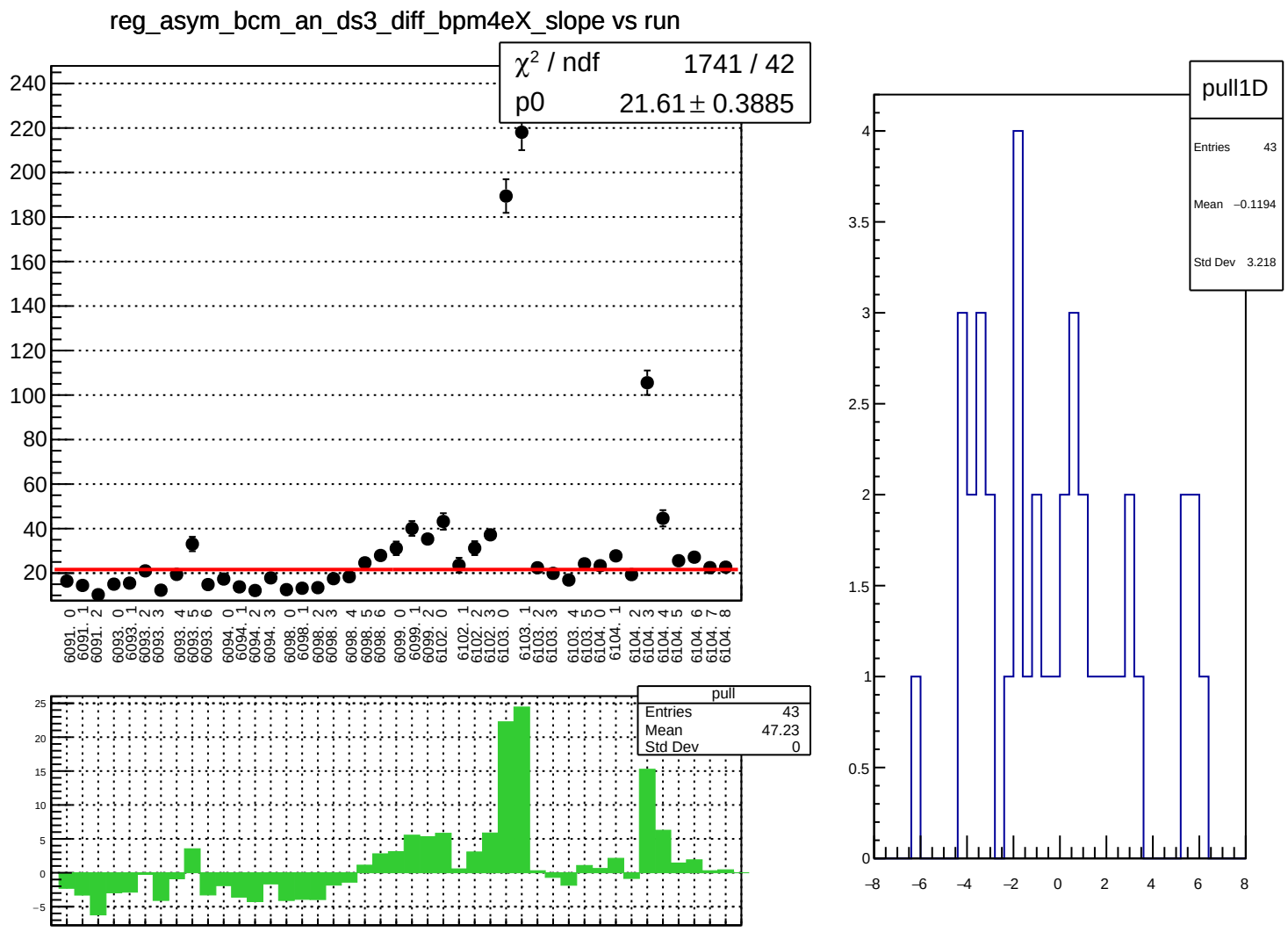

reg_asym_us_dd_atlr_dd_dd_diff_bpm4eX_slope vs run
χ² / ndf 36.79 / 42
p0 −2.581± 1.57
pull
Entries 43
Mean −274.9
Std Dev 0
pull1D
Entries 43
Mean −0.006123
Std Dev 0.925

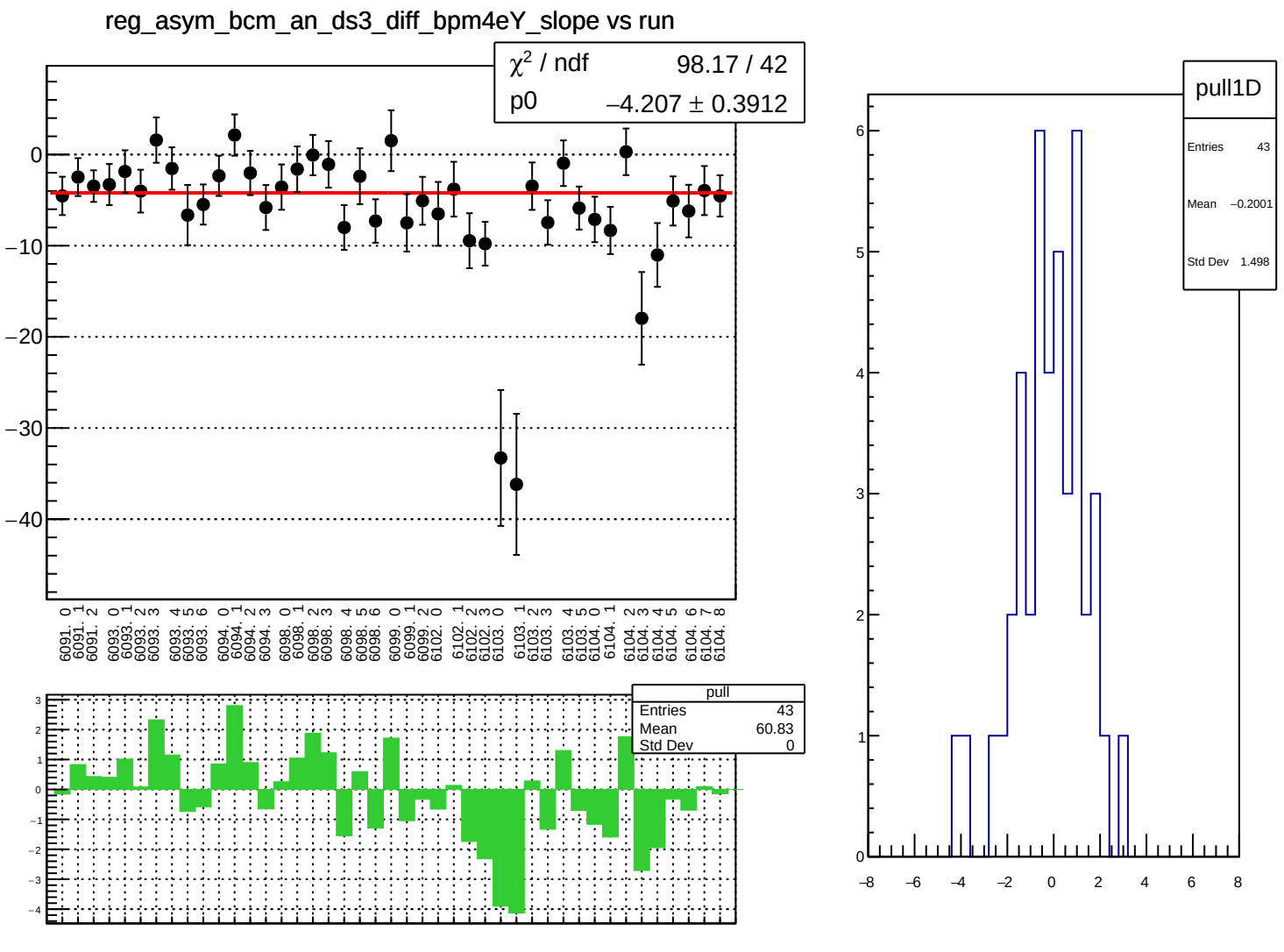

reg_asym_us_dd_atlr_dd_dd_diff_bpm4eY_slope vs run
χ² / ndf 43.02 / 42
p0 22.42 ± 1.566
pull
Entries 43
Mean −265.6
Std Dev 0
pull1D
Entries 43
Mean 0.01173
Std Dev 1

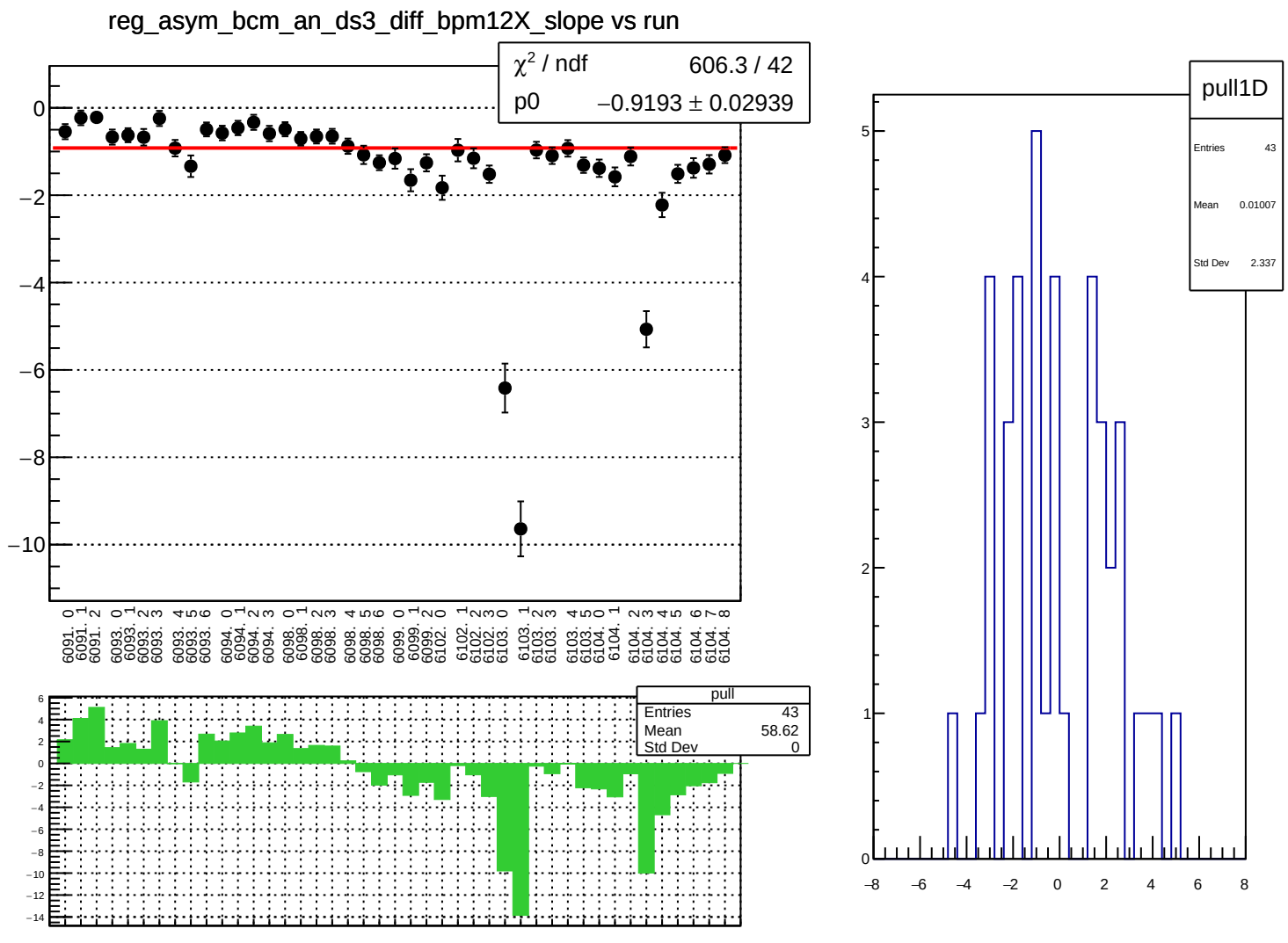

reg_asym_us_dd_atlr_dd_dd_diff_bpm12X_slope vs run
χ² / ndf 35.84 / 42
p0 −17.1 ± 0.1187
−15
−16
−17
−18
−19
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean −1089
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 43
Mean 0.002075
Std Dev 0.913
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

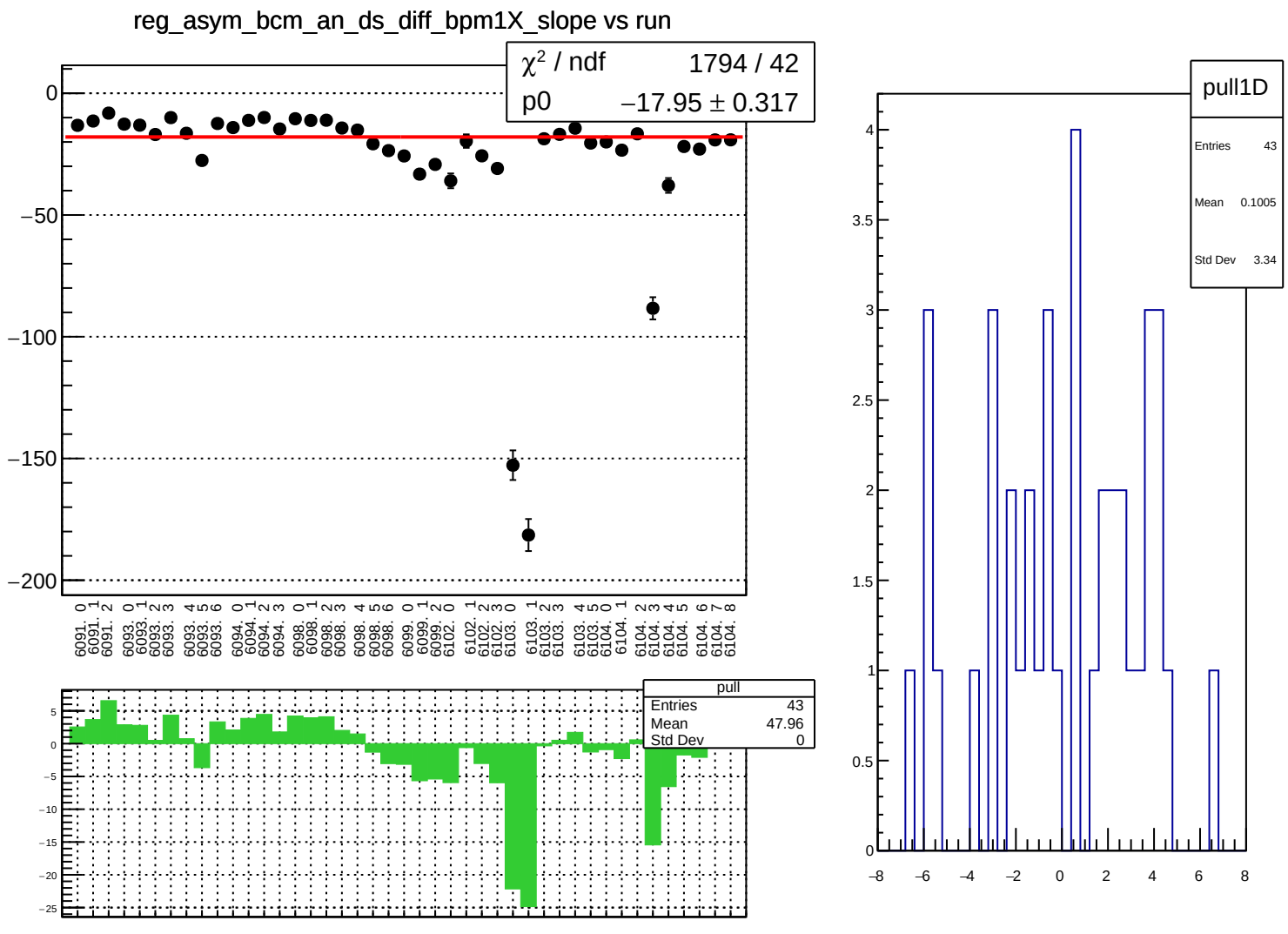

reg_asym_bcm_an_ds3_diff_bpm1X_slope vs run
χ² / ndf 1790 / 42
p0 −17.97 ± 0.3178
0
−50
−100
−150
−200
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 47.85
Std Dev 0
5
0
−5
−10
−15
−20
−25
pull1D
Entries 43
Mean 0.1009
Std Dev 3.33
4
3.5
3
2.5
2
1.5
1
0.5
0
−8
−6
−4
−2
0
2
4
6
8

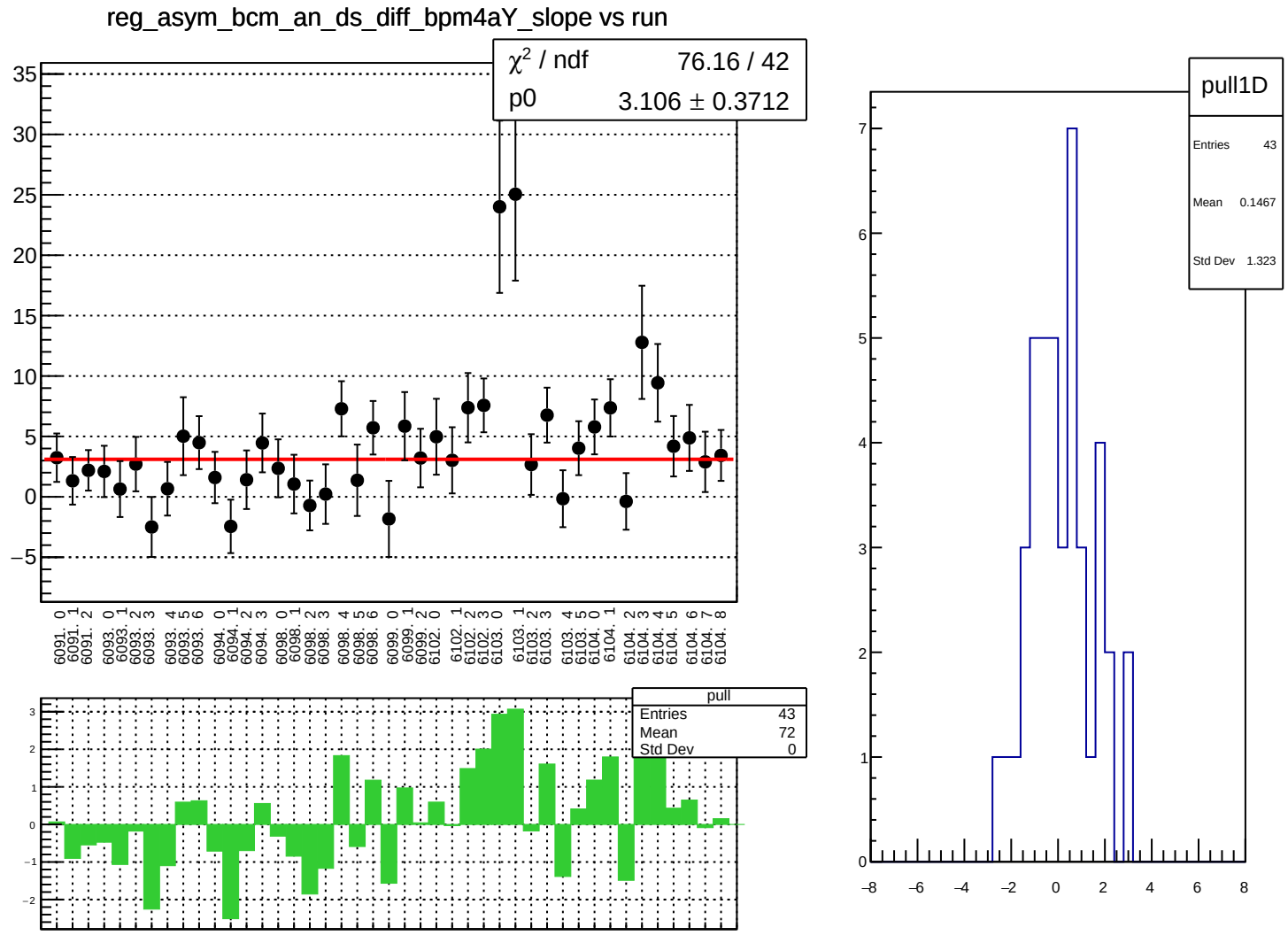

reg_asym_bcm_an_ds3_diff_bpm4aY_slope vs run
χ² / ndf 75.14 / 42
p0 3.165 ± 0.3721
pull
Entries 43
Mean 71.11
Std Dev 0
pull1D
Entries 43
Mean 0.1462
Std Dev 1.314

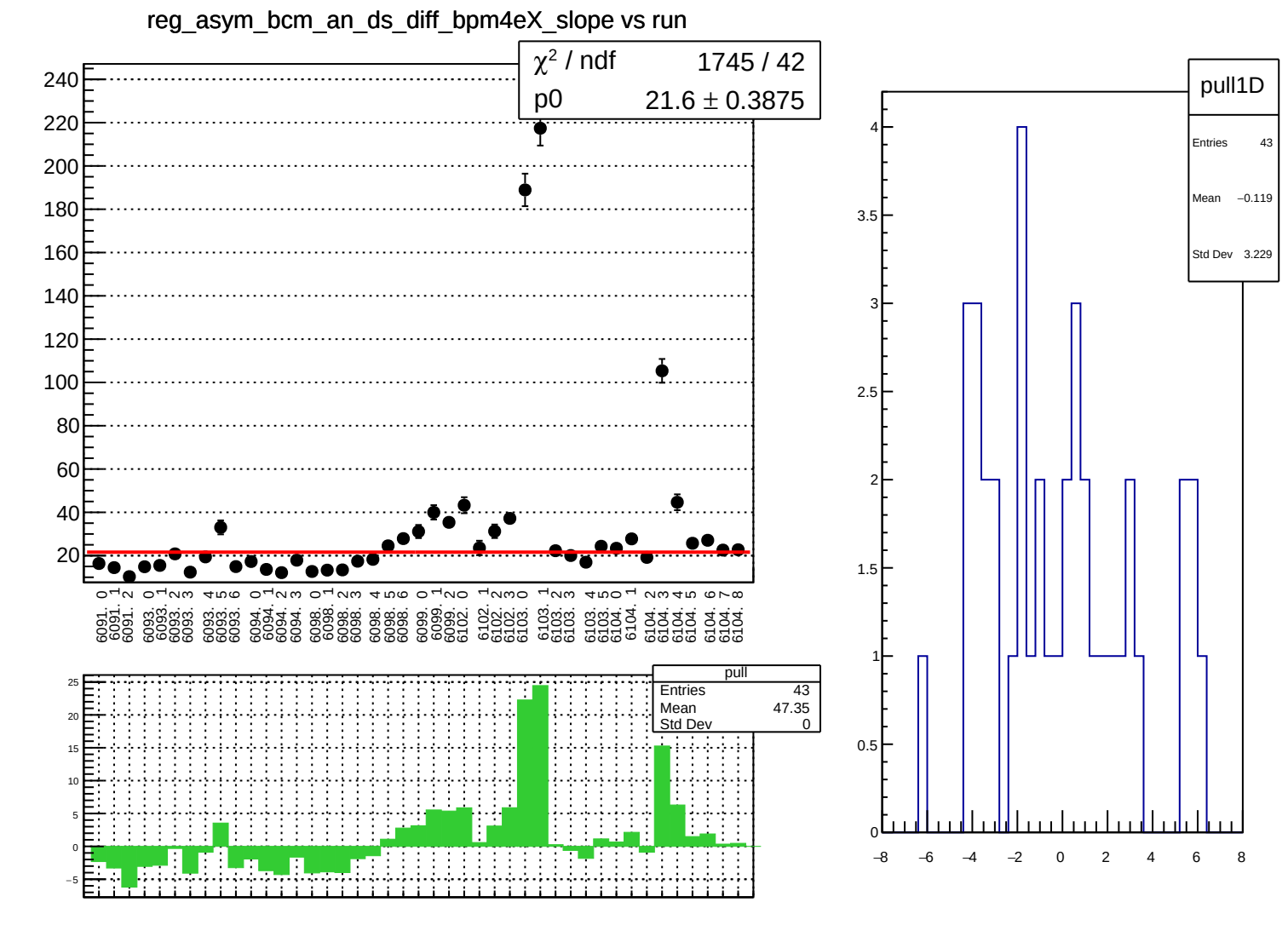

reg_asym_bcm_an_ds3_diff_bpm4eX_slope vs run
χ² / ndf 1741 / 42
p0 21.61 ± 0.3885
240
220
200
180
160
140
120
100
80
60
40
20
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 47.23
Std Dev 0
25
20
15
10
5
0
−5
pull1D
Entries 43
Mean −0.1194
Std Dev 3.218
4
3.5
3
2.5
2
1.5
1
0.5
0
−8
−6
−4
−2
0
2
4
6
8

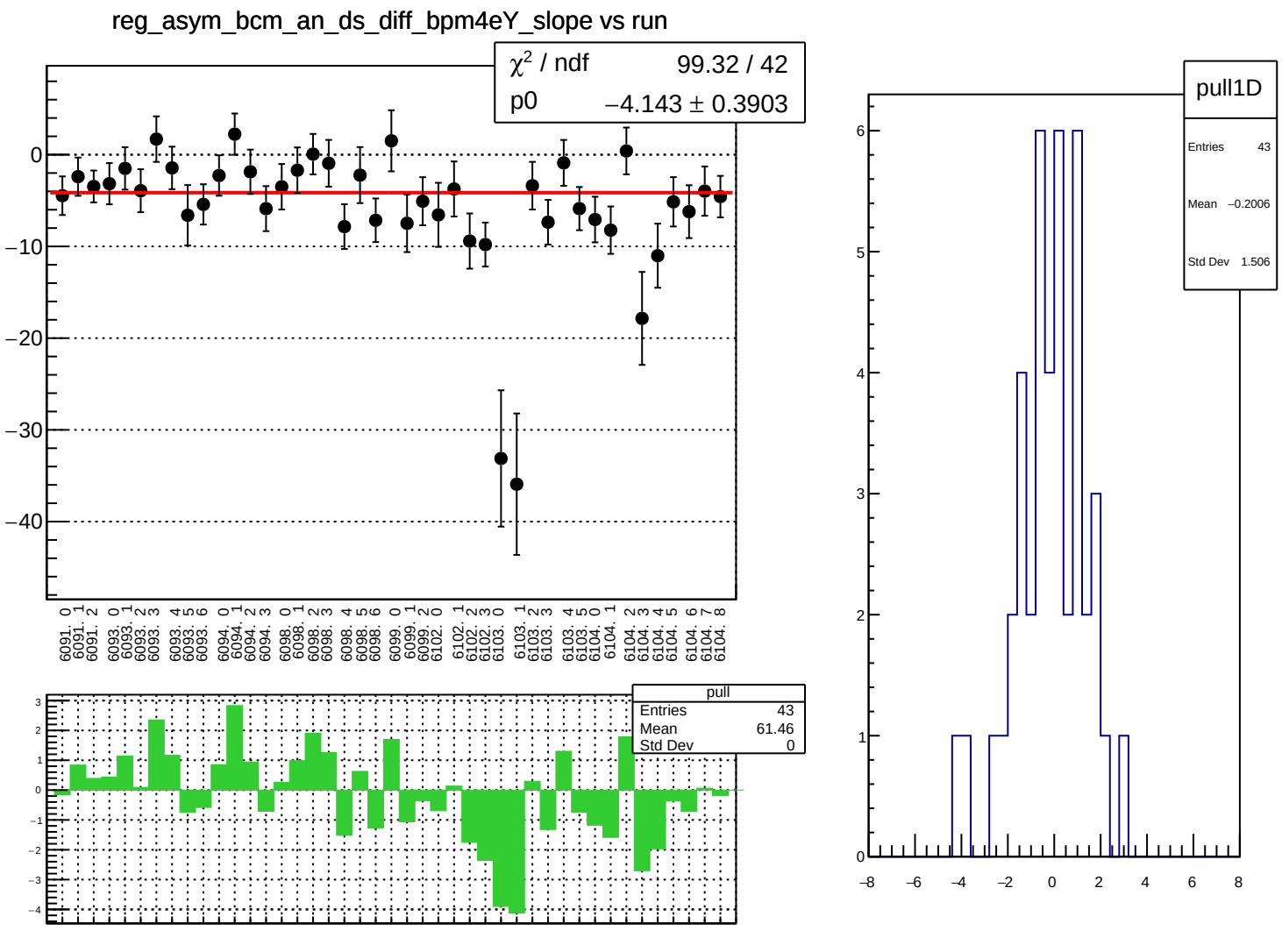

reg_asym_bcm_an_ds3_diff_bpm4eY_slope vs run
χ² / ndf 98.17 / 42
p0 −4.207 ± 0.3912
0
−10
−20
−30
−40
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 60.83
Std Dev 0
3
2
1
0
−1
−2
−3
−4
pull1D
Entries 43
Mean −0.2001
Std Dev 1.498
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

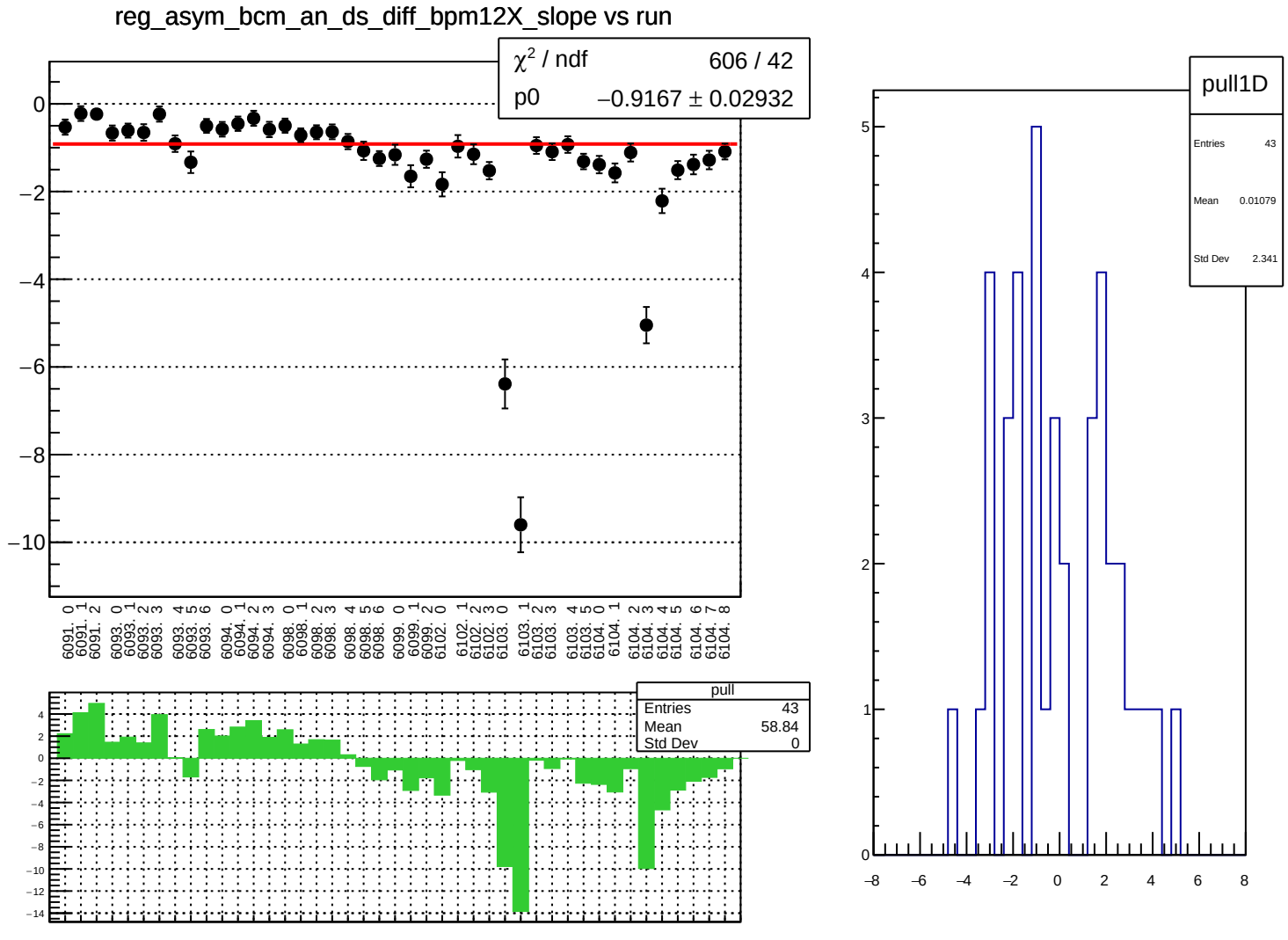

reg_asym_bcm_an_ds3_diff_bpm12X_slope vs run
χ² / ndf 606.3 / 42
p0 −0.9193 ± 0.02939
0
−2
−4
−6
−8
−10
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 58.62
Std Dev 0
6
4
2
0
−2
−4
−6
−8
−10
−12
−14
pull1D
Entries 43
Mean 0.01007
Std Dev 2.337
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

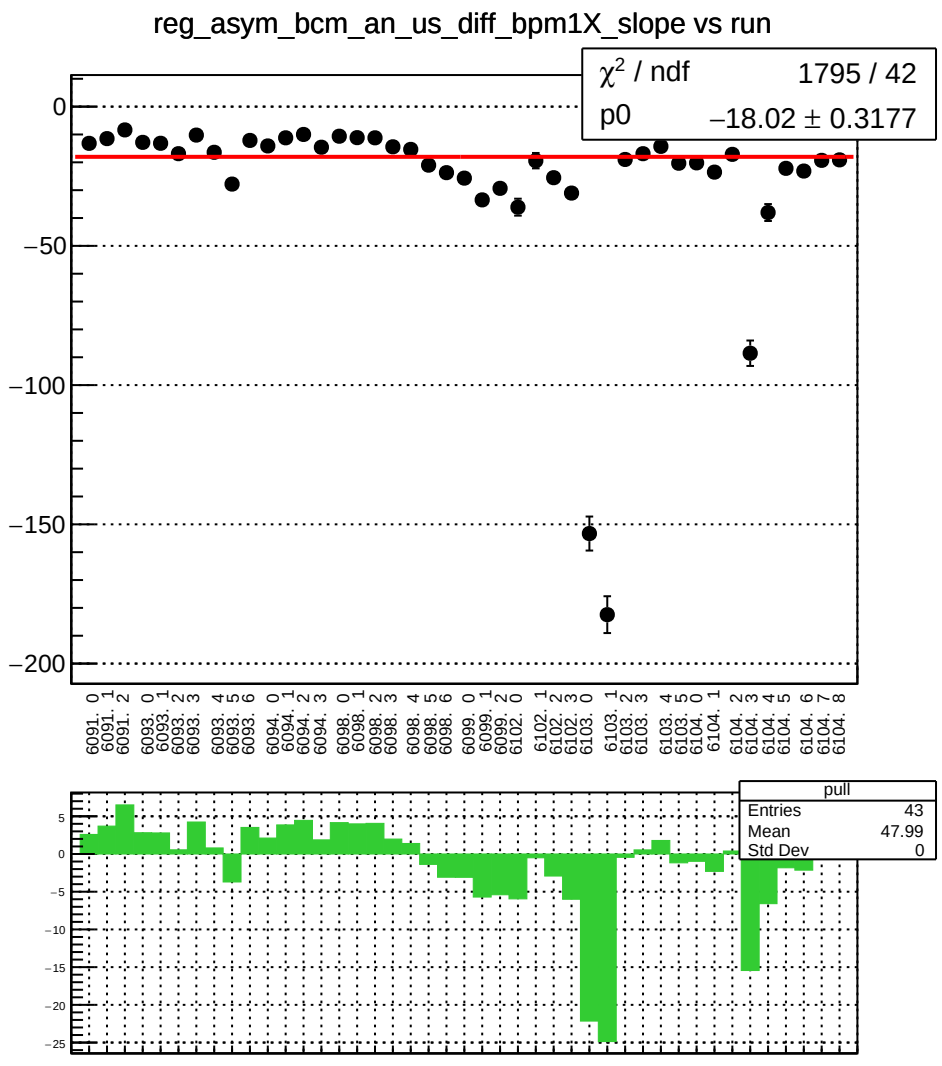

reg_asym_bcm_an_ds_diff_bpm1X_slope vs run
χ² / ndf 1794 / 42
p0 −17.95 ± 0.317
0
−50
−100
−150
−200
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 47.96
Std Dev 0
5
0
−5
−10
−15
−20
−25
pull1D
Entries 43
Mean 0.1005
Std Dev 3.34
4
3.5
3
2.5
2
1.5
1
0.5
0
−8
−6
−4
−2
0
2
4
6
8

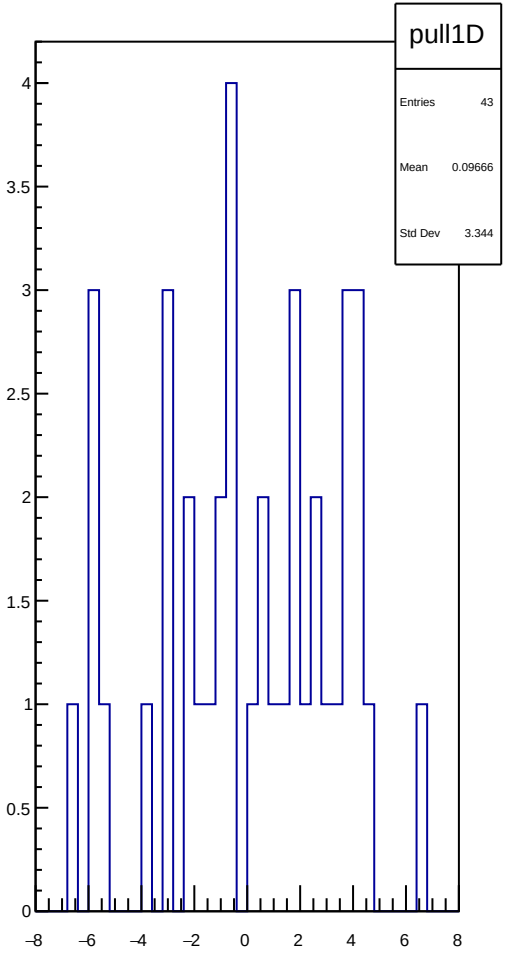

reg_asym_bcm_an_ds_diff_bpm4aY_slope vs run
χ² / ndf 76.16 / 42
p0 3.106 ± 0.3712
pull
Entries 43
Mean 72
Std Dev 0
pull1D
Entries 43
Mean 0.1467
Std Dev 1.323

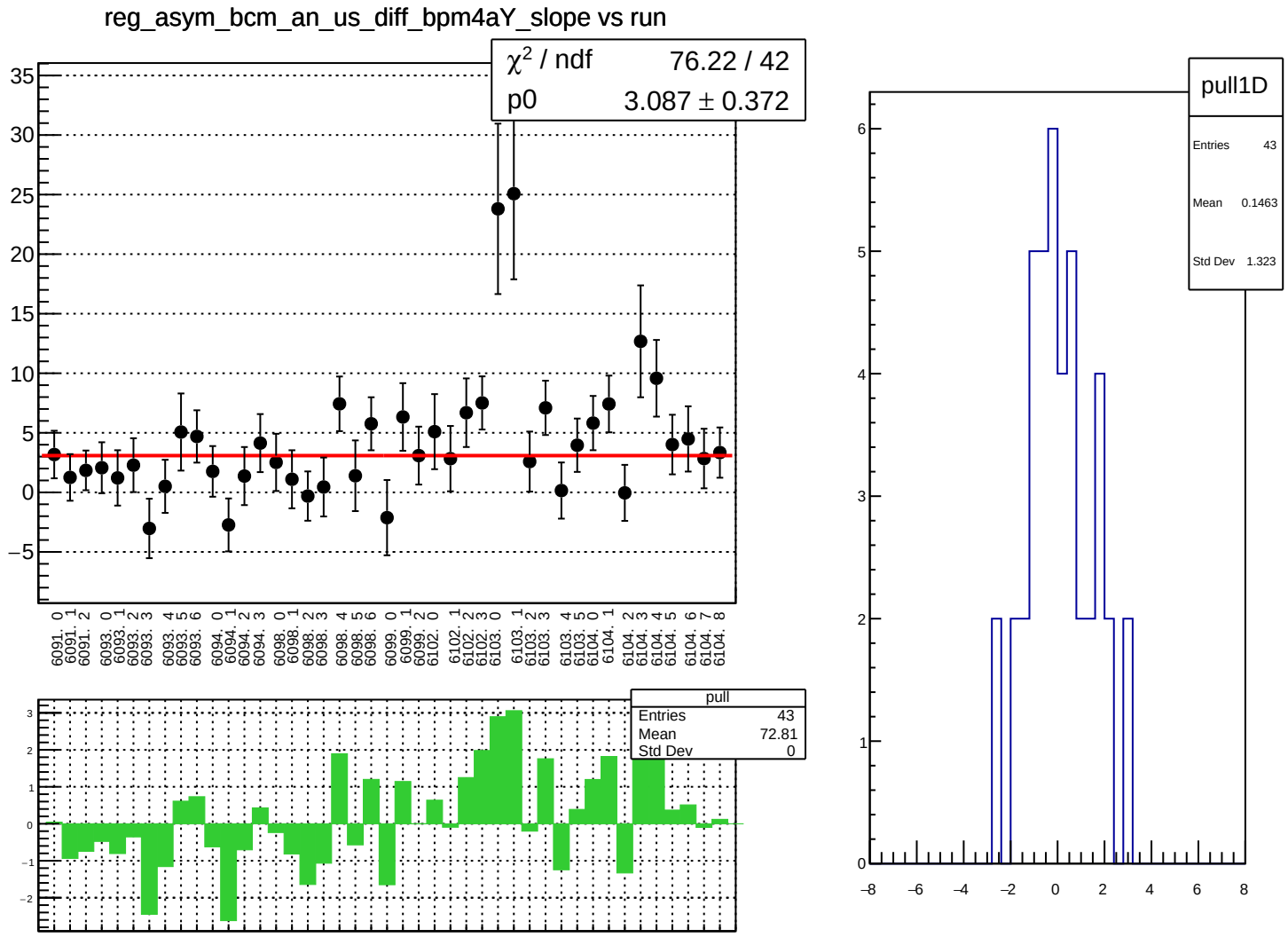

reg_asym_bcm_an_ds_diff_bpm4eX_slope vs run
χ² / ndf 1745 / 42
p0 21.6 ± 0.3875
pull
Entries 43
Mean 47.35
Std Dev 0
pull1D
Entries 43
Mean −0.119
Std Dev 3.229

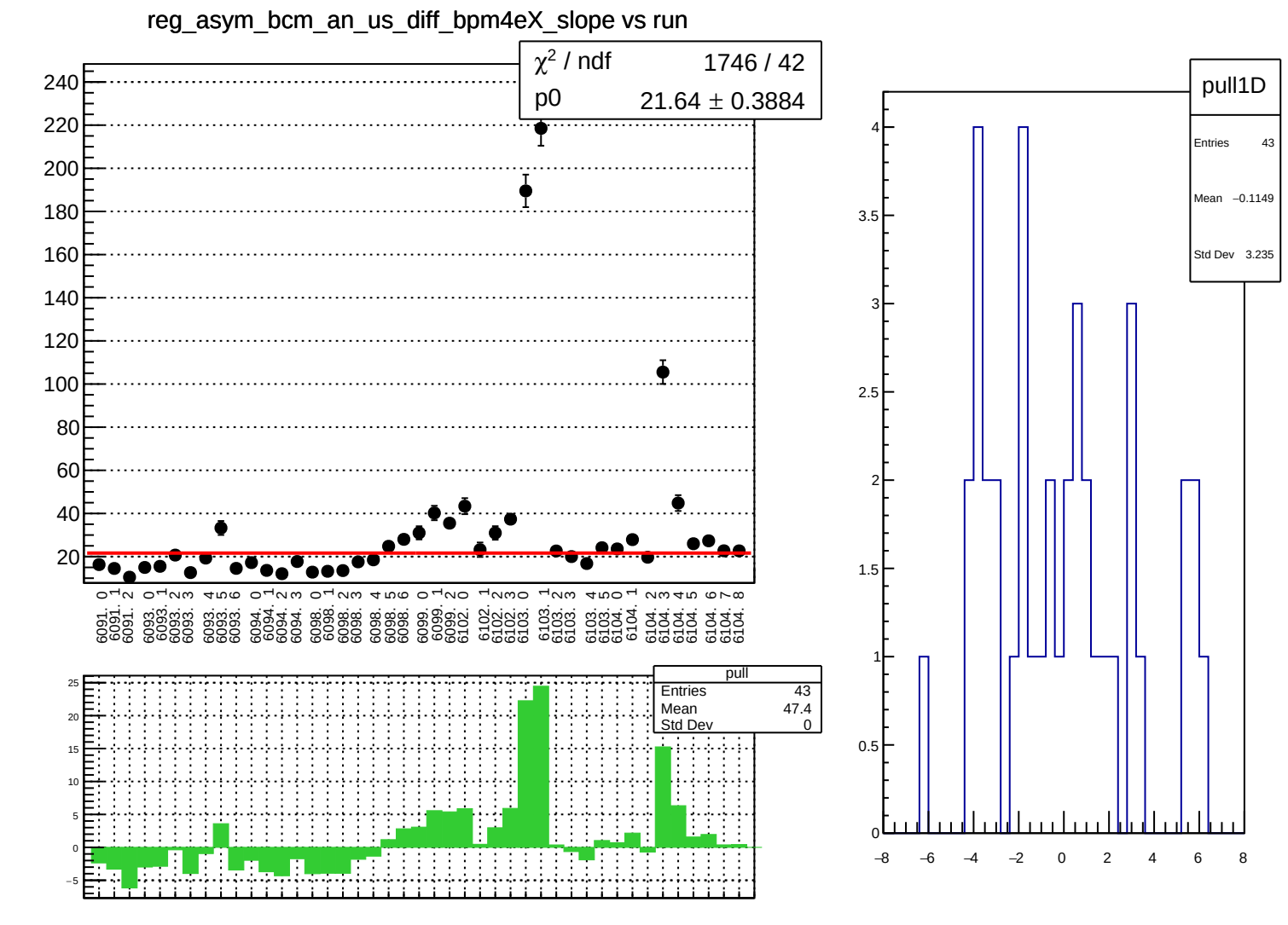

reg_asym_bcm_an_ds_diff_bpm4eY_slope vs run
χ² / ndf 99.32 / 42
p0 −4.143 ± 0.3903
0
−10
−20
−30
−40
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 61.46
Std Dev 0
3
2
1
0
−1
−2
−3
−4
pull1D
Entries 43
Mean −0.2006
Std Dev 1.506
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

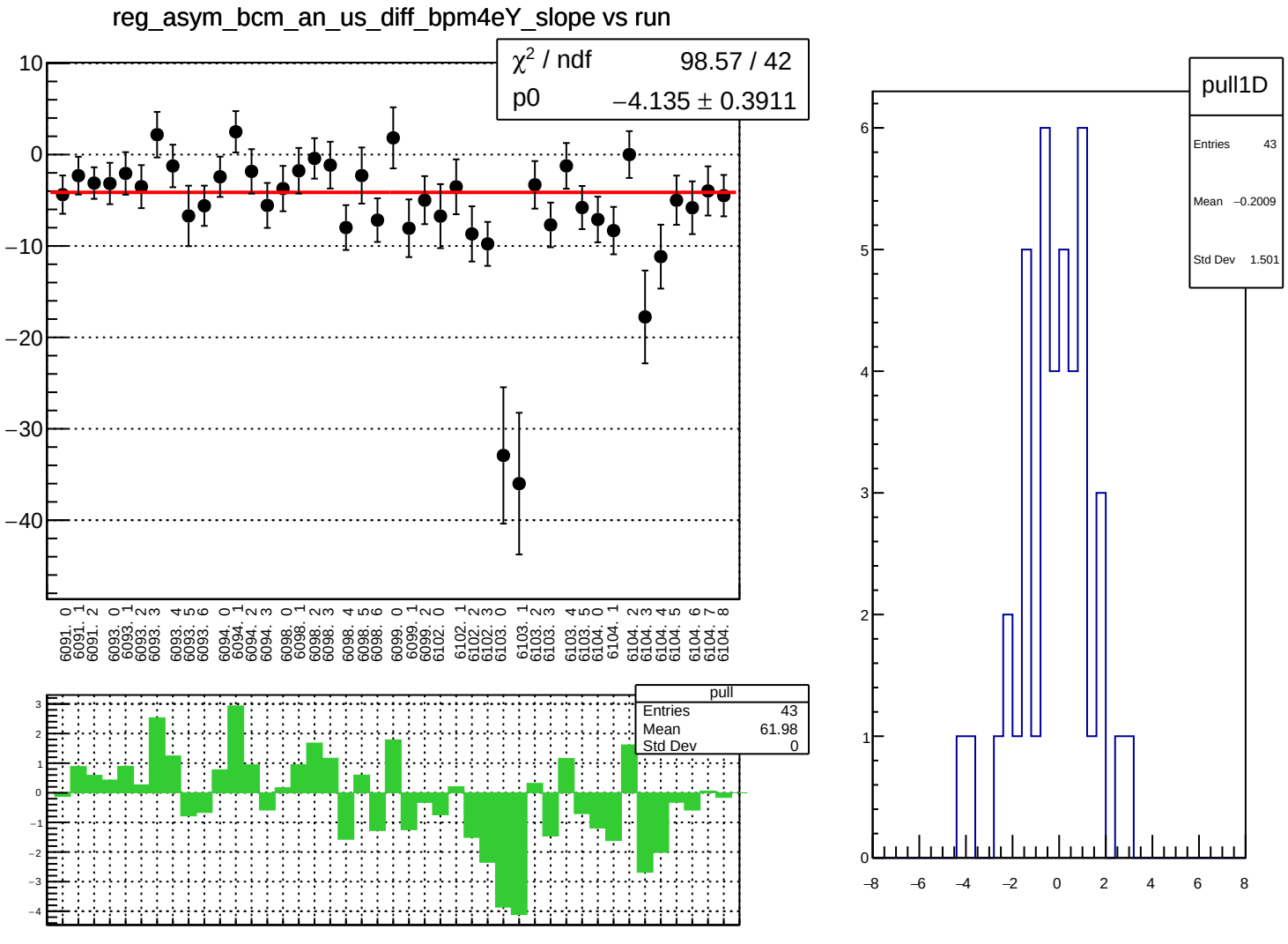

reg_asym_bcm_an_ds_diff_bpm12X_slope vs run
χ² / ndf 606 / 42
p0 −0.9167 ± 0.02932
0
−2
−4
−6
−8
−10
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 58.84
Std Dev 0
4
2
0
−2
−4
−6
−8
−10
−12
−14
pull1D
Entries 43
Mean 0.01079
Std Dev 2.341
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

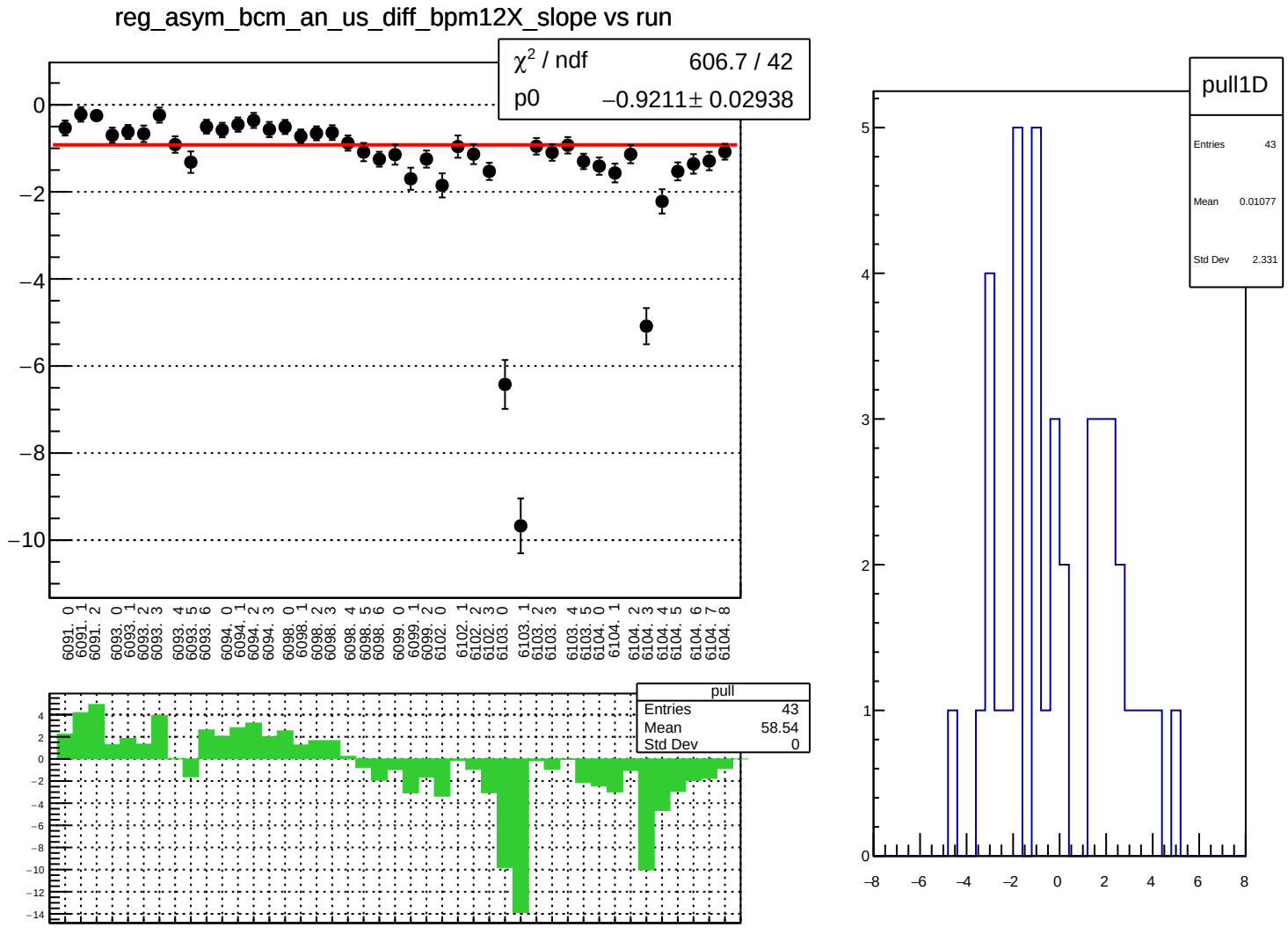

reg_asym_bcm_an_us_diff_bpm1X_slope vs run
χ² / ndf 1795 / 42
p0 −18.02 ± 0.3177
0
−50
−100
−150
−200
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 47.99
Std Dev 0
5
0
−5
−10
−15
−20
−25

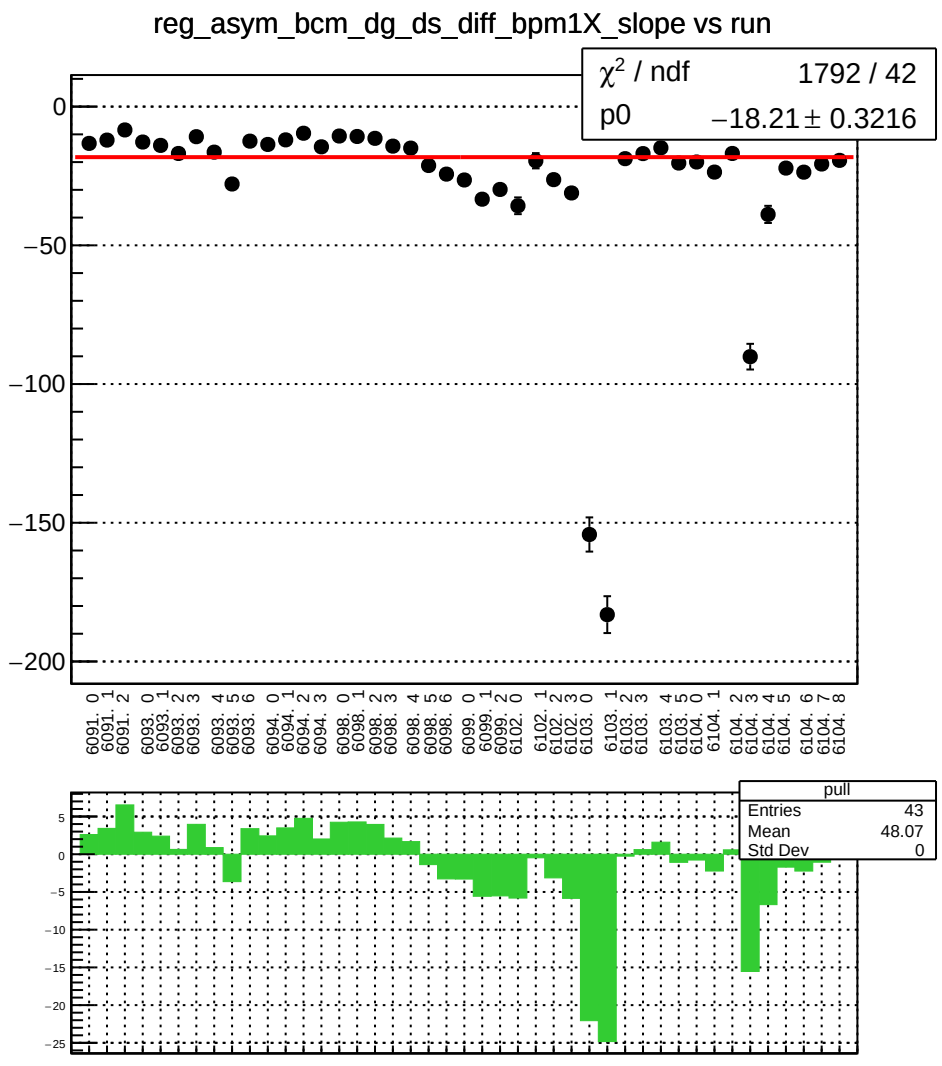

pull1D
Entries 43
Mean 0.09666
Std Dev 3.344
4
3.5
3
2.5
2
1.5
1
0.5
0
−8
−6
−4
−2
0
2
4
6
8

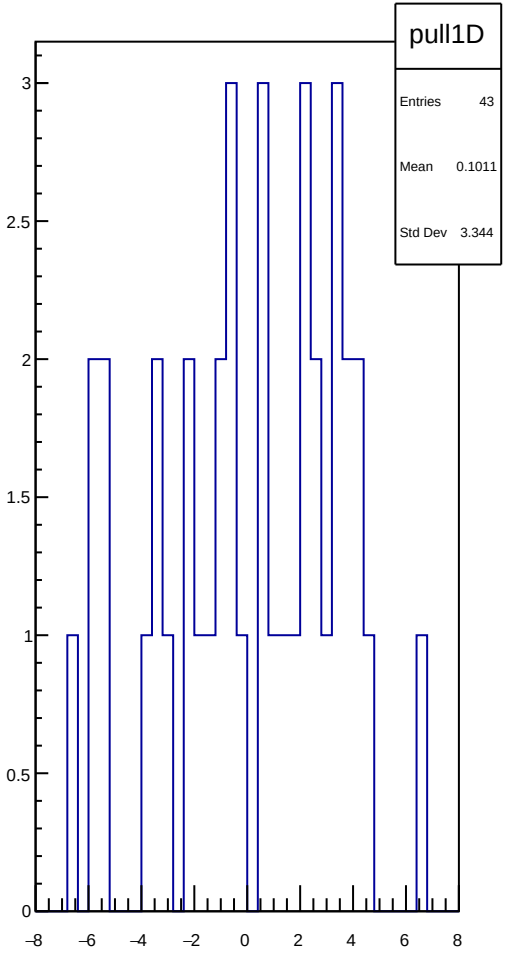

reg_asym_bcm_an_us_diff_bpm4aY_slope vs run
χ² / ndf 76.22 / 42
p0 3.087 ± 0.372
pull
Entries 43
Mean 72.81
Std Dev 0
pull1D
Entries 43
Mean 0.1463
Std Dev 1.323

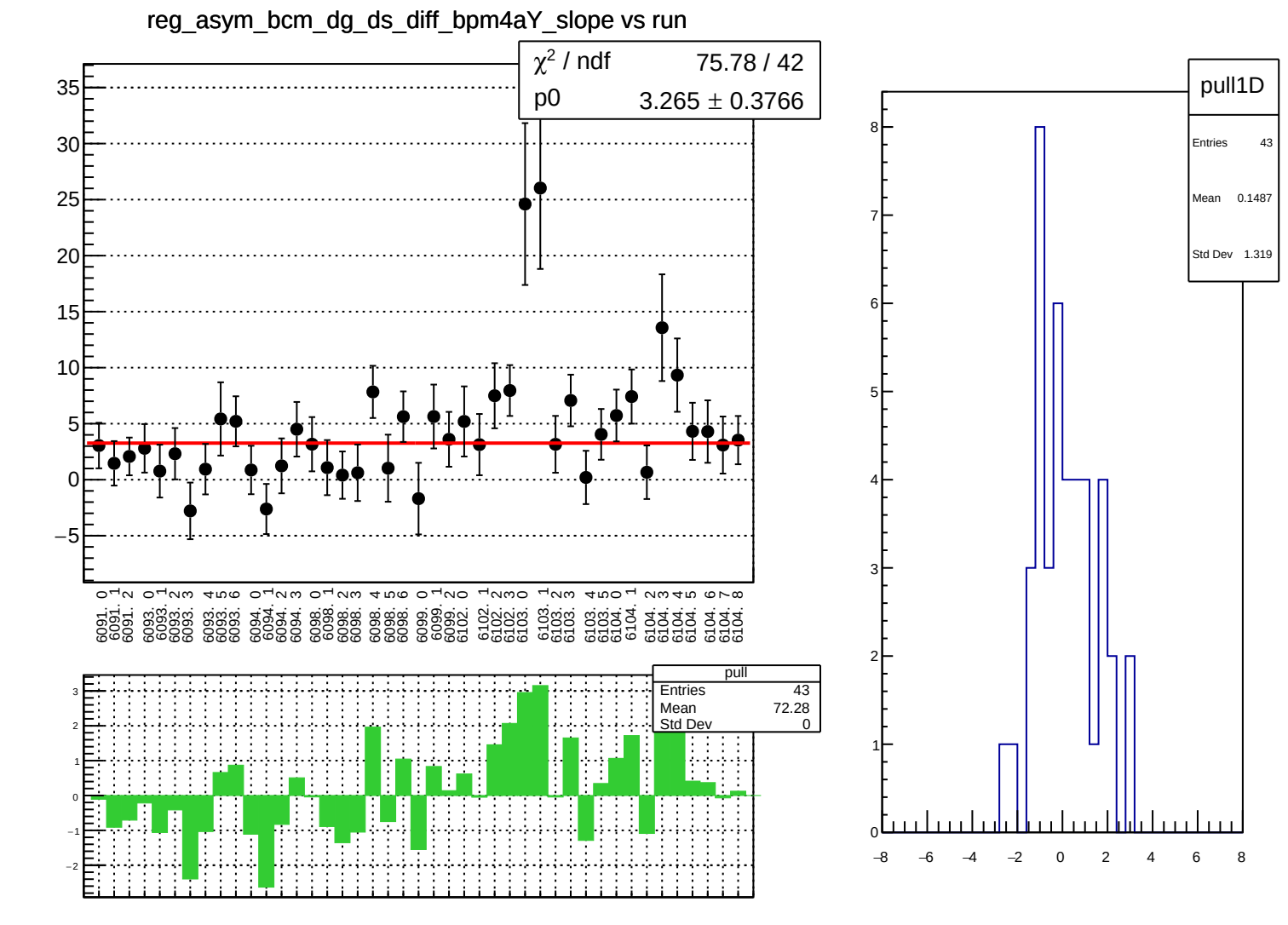

reg_asym_bcm_an_us_diff_bpm4eX_slope vs run
χ² / ndf 1746 / 42
p0 21.64 ± 0.3884
240
220
200
180
160
140
120
100
80
60
40
20
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 47.4
Std Dev 0
25
20
15
10
5
0
−5
pull1D
Entries 43
Mean −0.1149
Std Dev 3.235
4
3.5
3
2.5
2
1.5
1
0.5
0
−8
−6
−4
−2
0
2
4
6
8

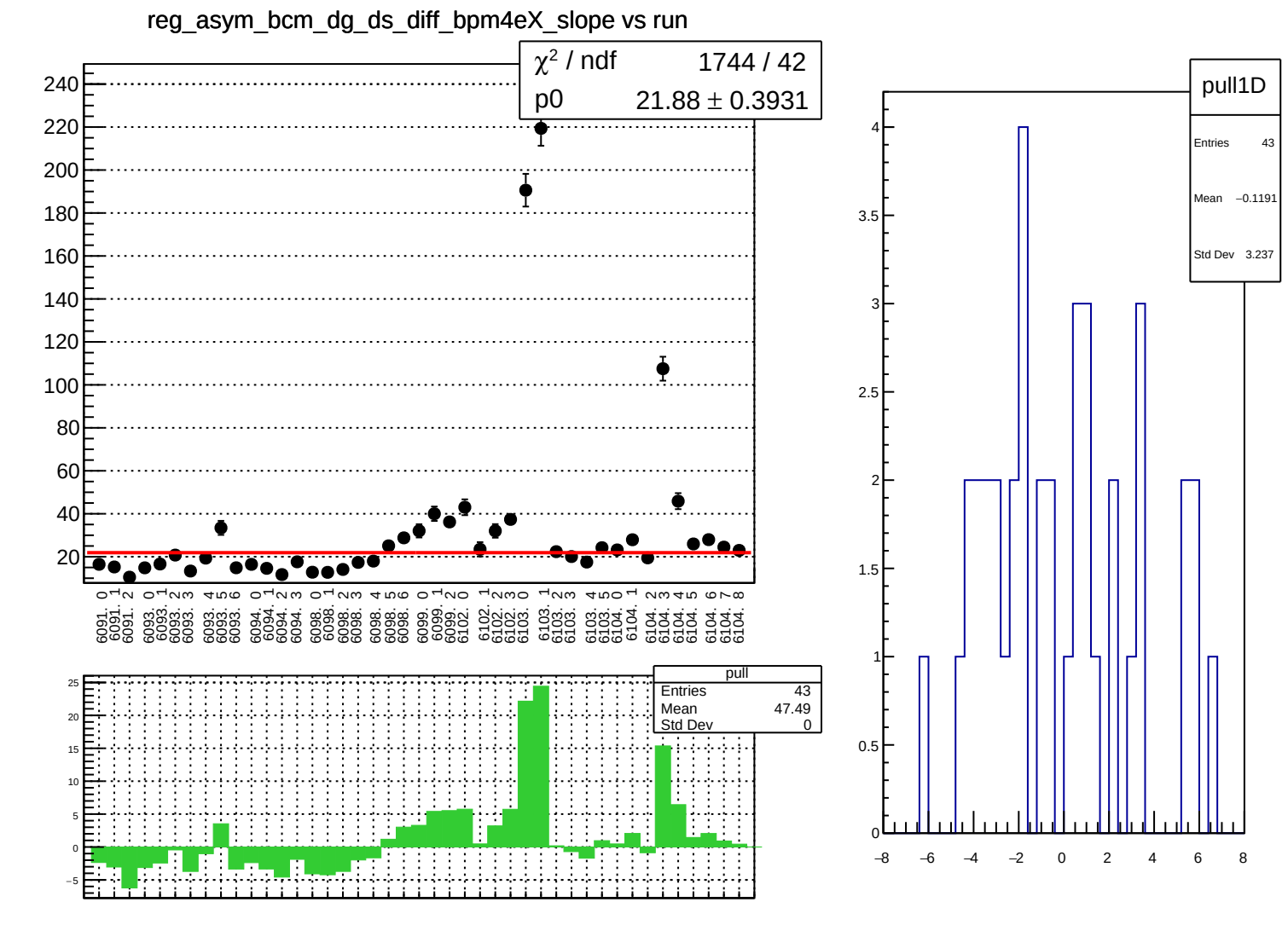

reg_asym_bcm_an_us_diff_bpm4eY_slope vs run
χ² / ndf 98.57 / 42
p0 −4.135 ± 0.3911
pull
Entries 43
Mean 61.98
Std Dev 0
pull1D
Entries 43
Mean −0.2009
Std Dev 1.501

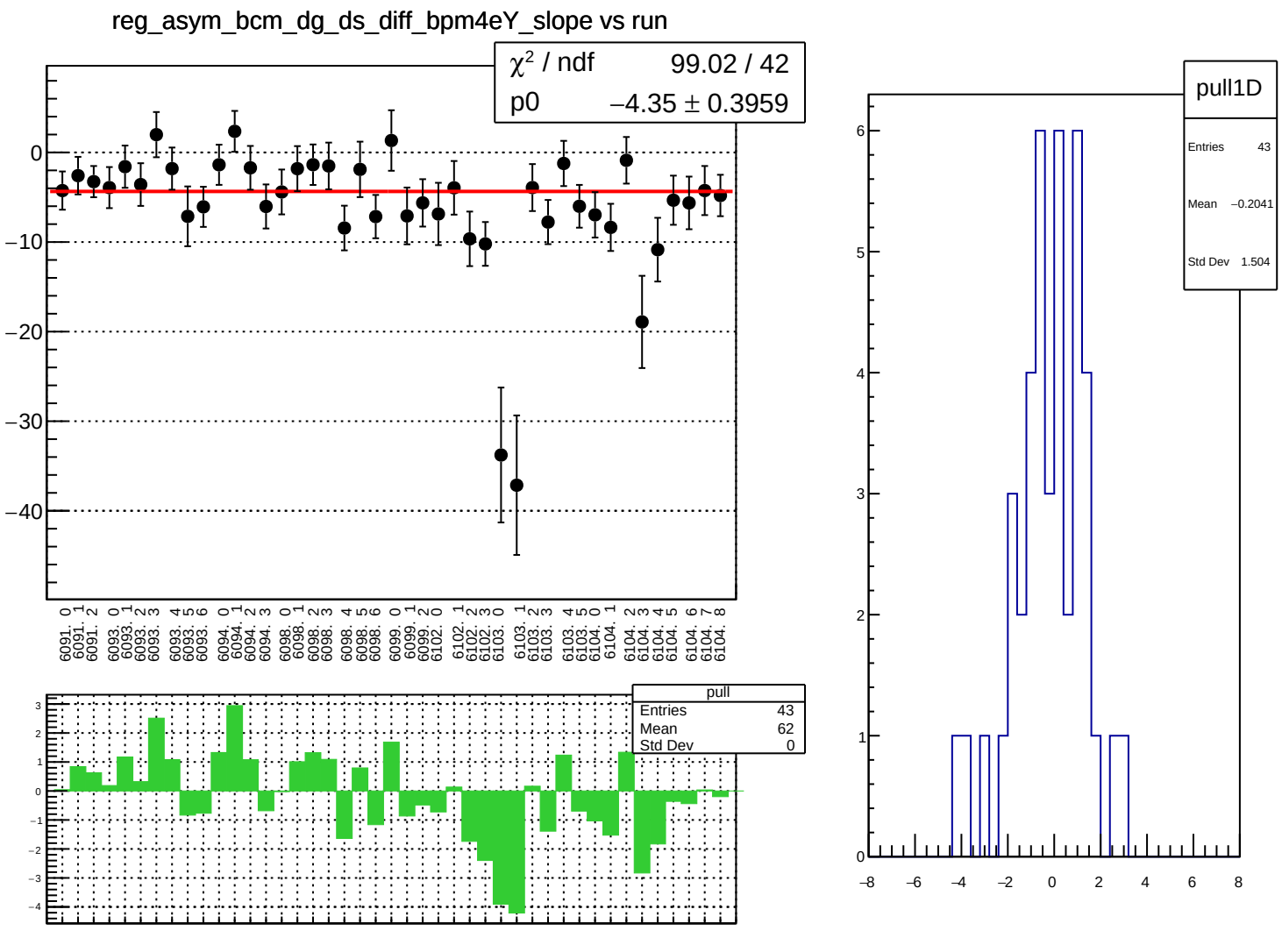

reg_asym_bcm_an_us_diff_bpm12X_slope vs run
χ² / ndf 606.7 / 42
p0 −0.9211± 0.02938
0
−2
−4
−6
−8
−10
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 58.54
Std Dev 0
4
2
0
−2
−4
−6
−8
−10
−12
−14
pull1D
Entries 43
Mean 0.01077
Std Dev 2.331
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

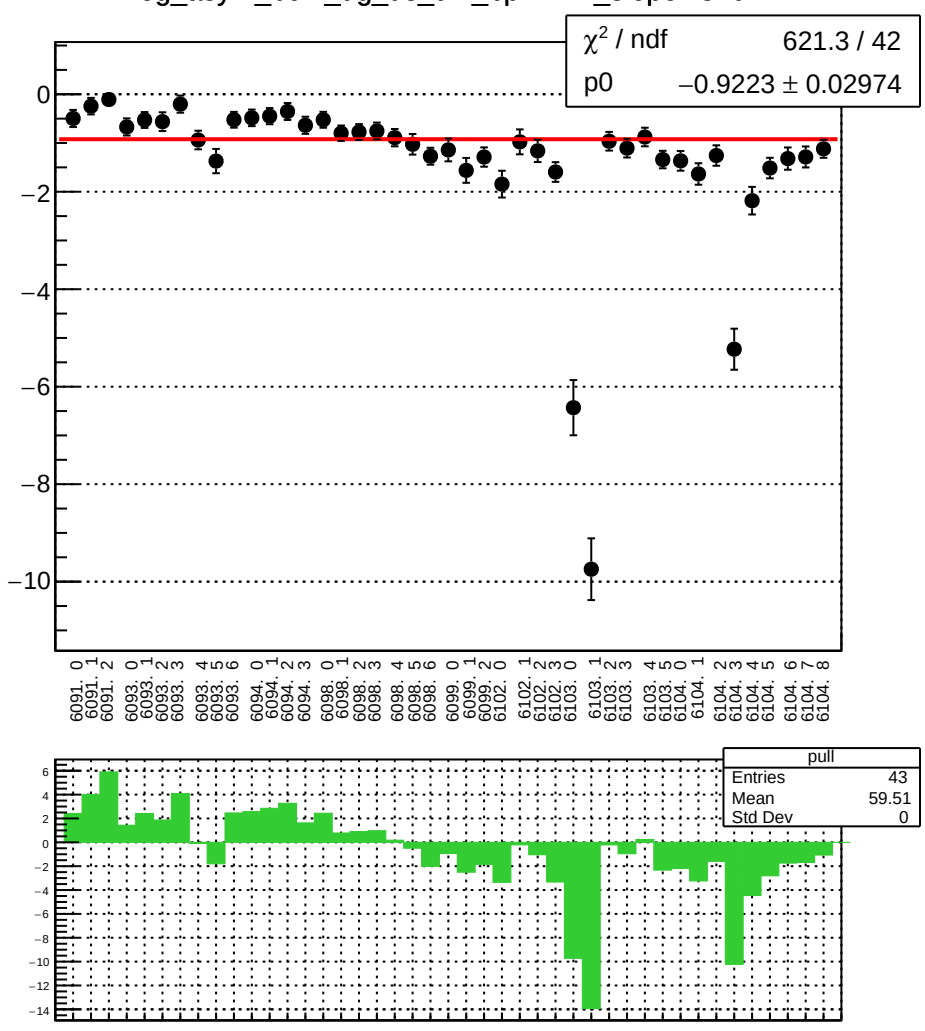

reg_asym_bcm_dg_ds_diff_bpm1X_slope vs run
χ² / ndf 1792 / 42
p0 −18.21 ± 0.3216
0
−50
−100
−150
−200
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 48.07
Std Dev 0
5
0
−5
−10
−15
−20
−25

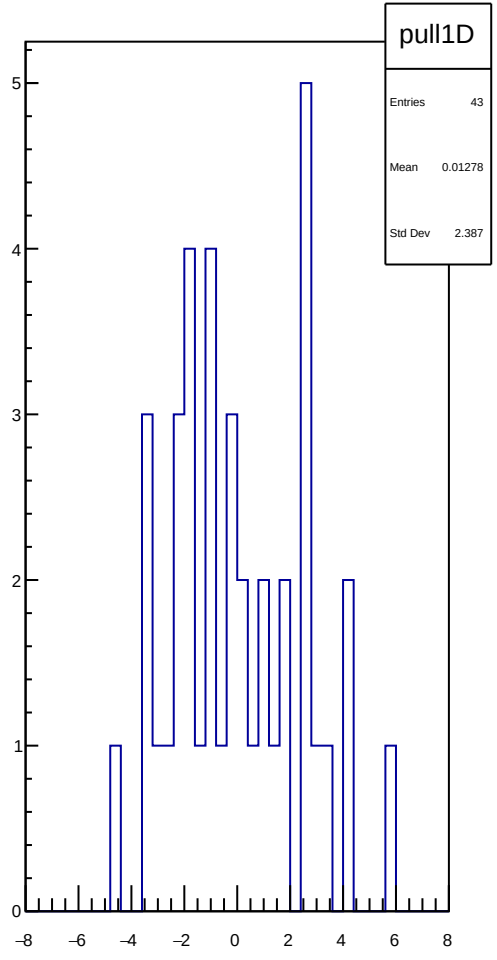

pull1D
Entries 43
Mean 0.1011
Std Dev 3.344
3
2.5
2
1.5
1
0.5
0
−8
−6
−4
−2
0
2
4
6
8

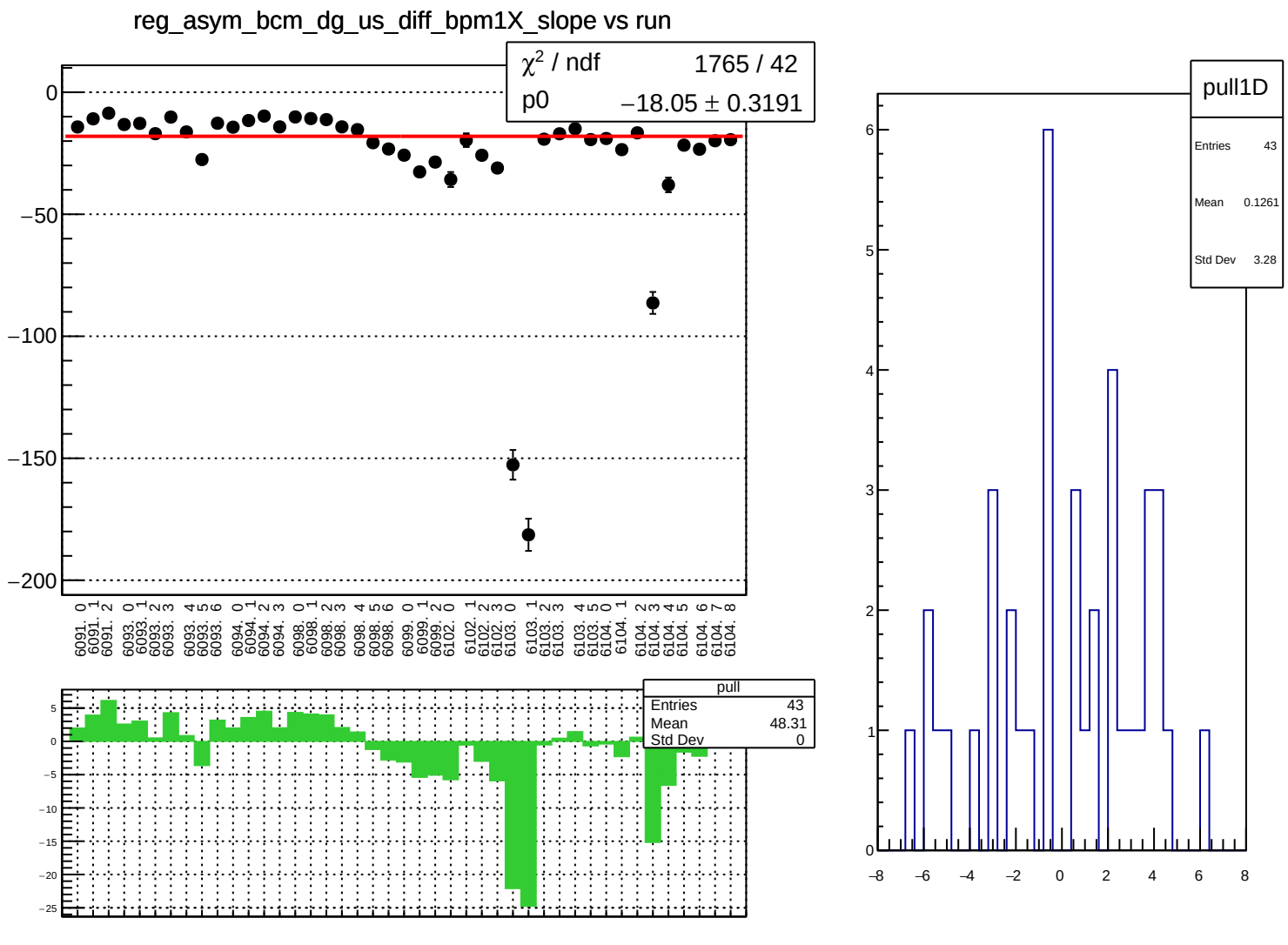

reg_asym_bcm_dg_ds_diff_bpm4aY_slope vs run
χ² / ndf 75.78 / 42
p0 3.265 ± 0.3766
pull
Entries 43
Mean 72.28
Std Dev 0
pull1D
Entries 43
Mean 0.1487
Std Dev 1.319

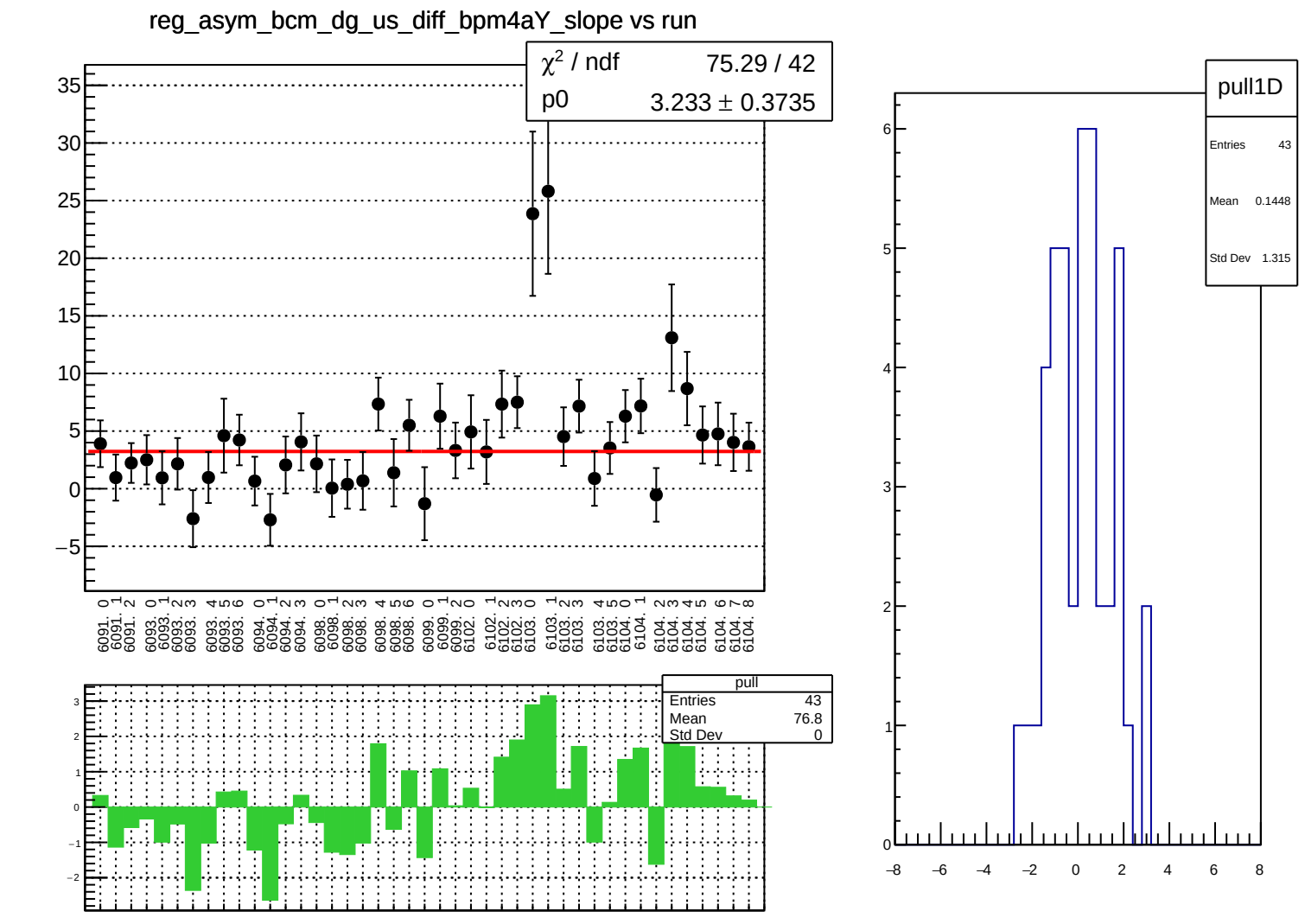

reg_asym_bcm_dg_ds_diff_bpm4eX_slope vs run
χ² / ndf 1744 / 42
p0 21.88 ± 0.3931
pull
Entries 43
Mean 47.49
Std Dev 0
pull1D
Entries 43
Mean −0.1191
Std Dev 3.237

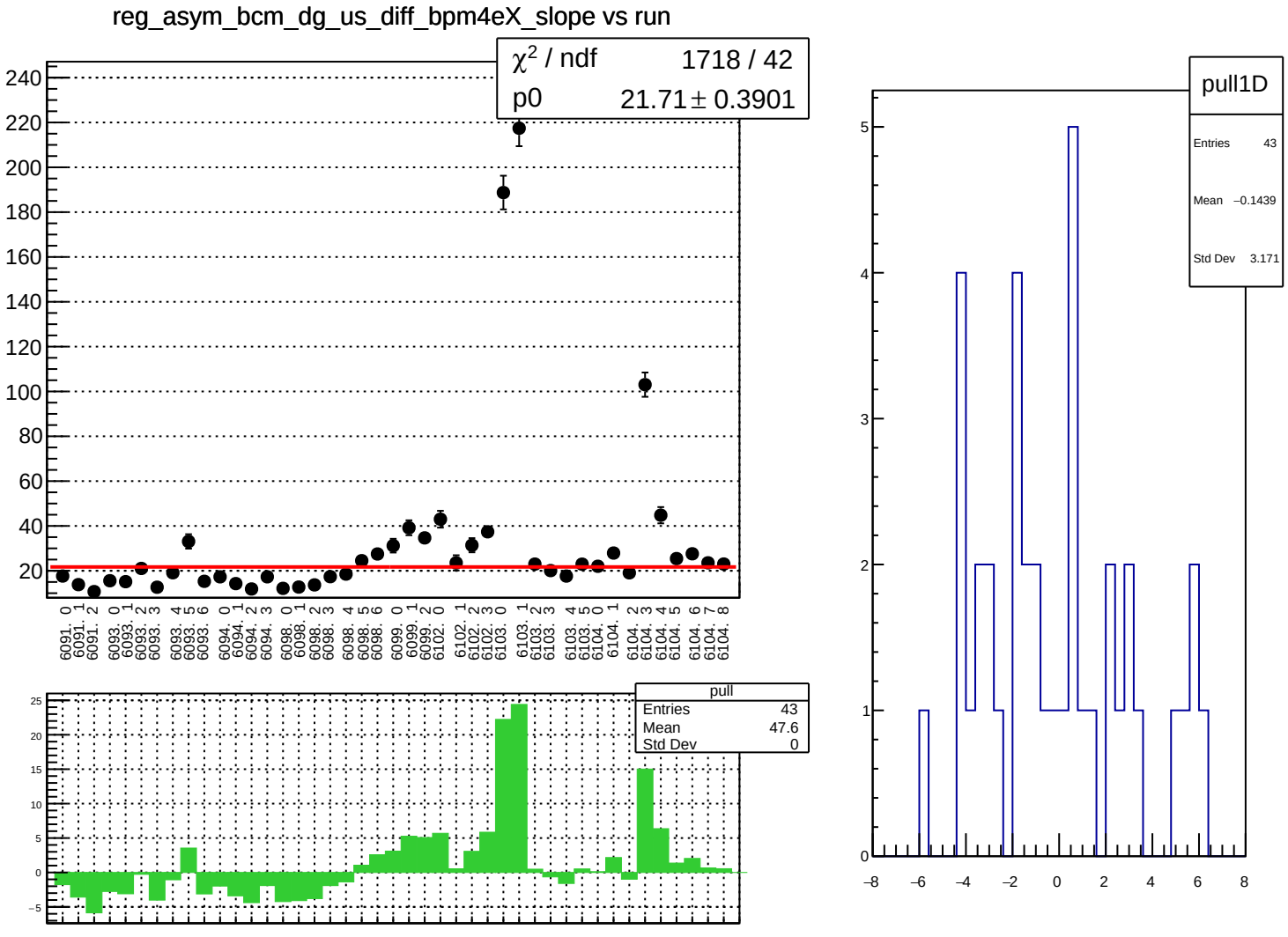

reg_asym_bcm_dg_ds_diff_bpm4eY_slope vs run
χ² / ndf 99.02 / 42
p0 −4.35 ± 0.3959
0
−10
−20
−30
−40
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 62
Std Dev 0
3
2
1
0
−1
−2
−3
−4
pull1D
Entries 43
Mean −0.2041
Std Dev 1.504
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

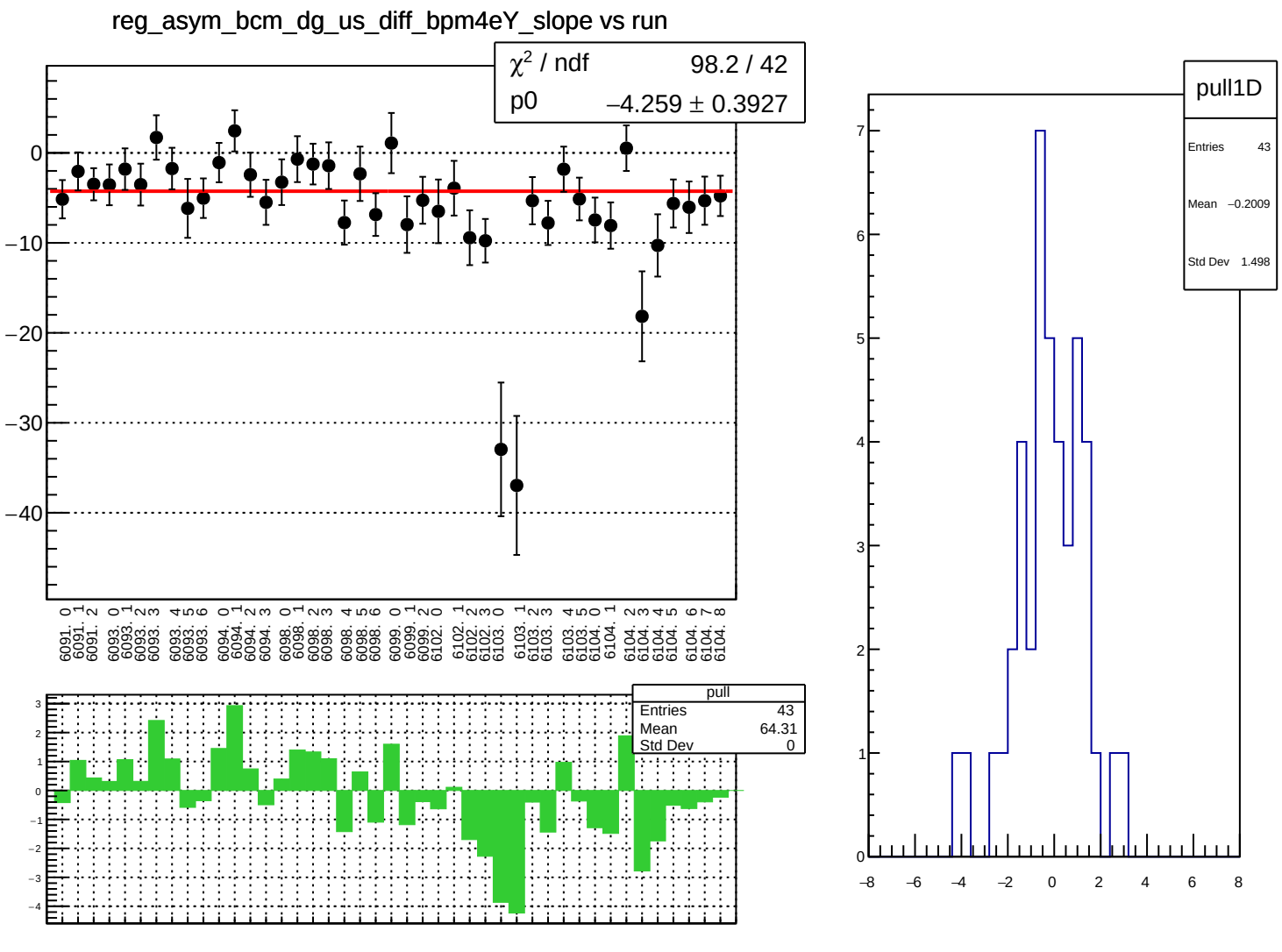

reg_asym_bcm_dg_ds_diff_bpm12X_slope vs run
χ² / ndf 621.3 / 42
p0 −0.9223 ± 0.02974
pull
Entries 43
Mean 59.51
Std Dev 0

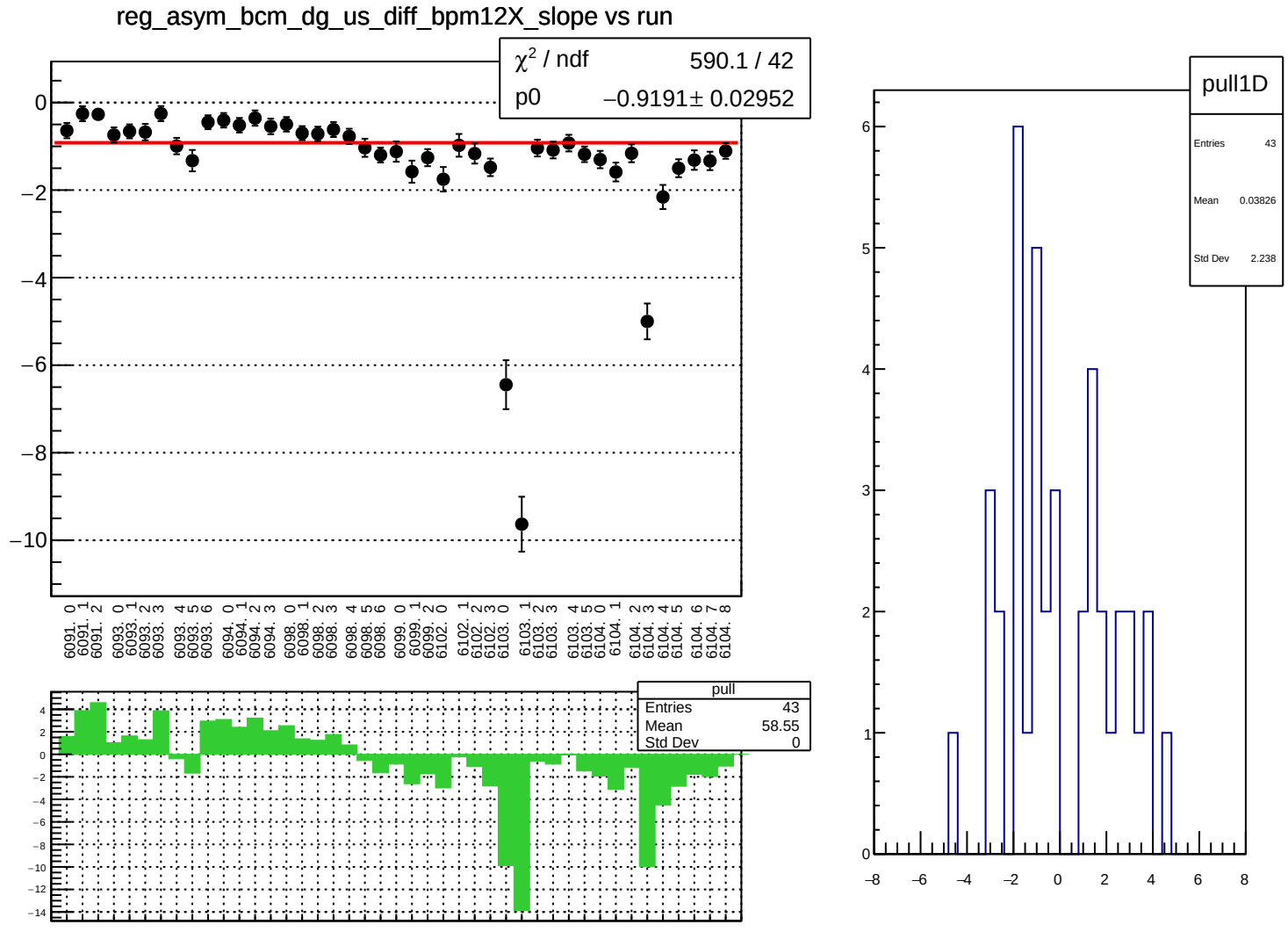

pull1D
Entries 43
Mean 0.01278
Std Dev 2.387

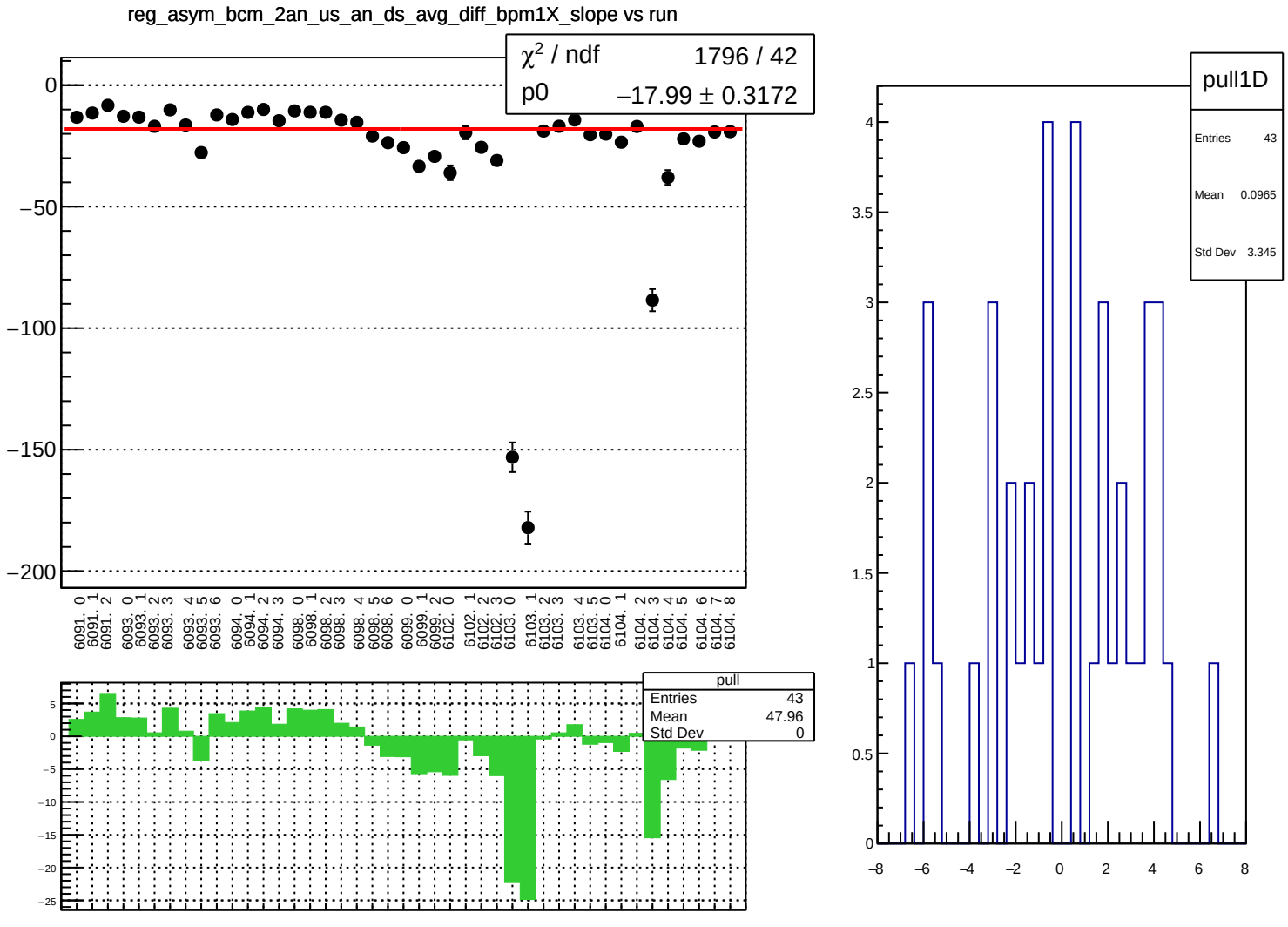

reg_asym_bcm_dg_us_diff_bpm1X_slope vs run
χ² / ndf 1765 / 42
p0 −18.05 ± 0.3191
0
−50
−100
−150
−200
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 48.31
Std Dev 0
5
0
−5
−10
−15
−20
−25
pull1D
Entries 43
Mean 0.1261
Std Dev 3.28
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

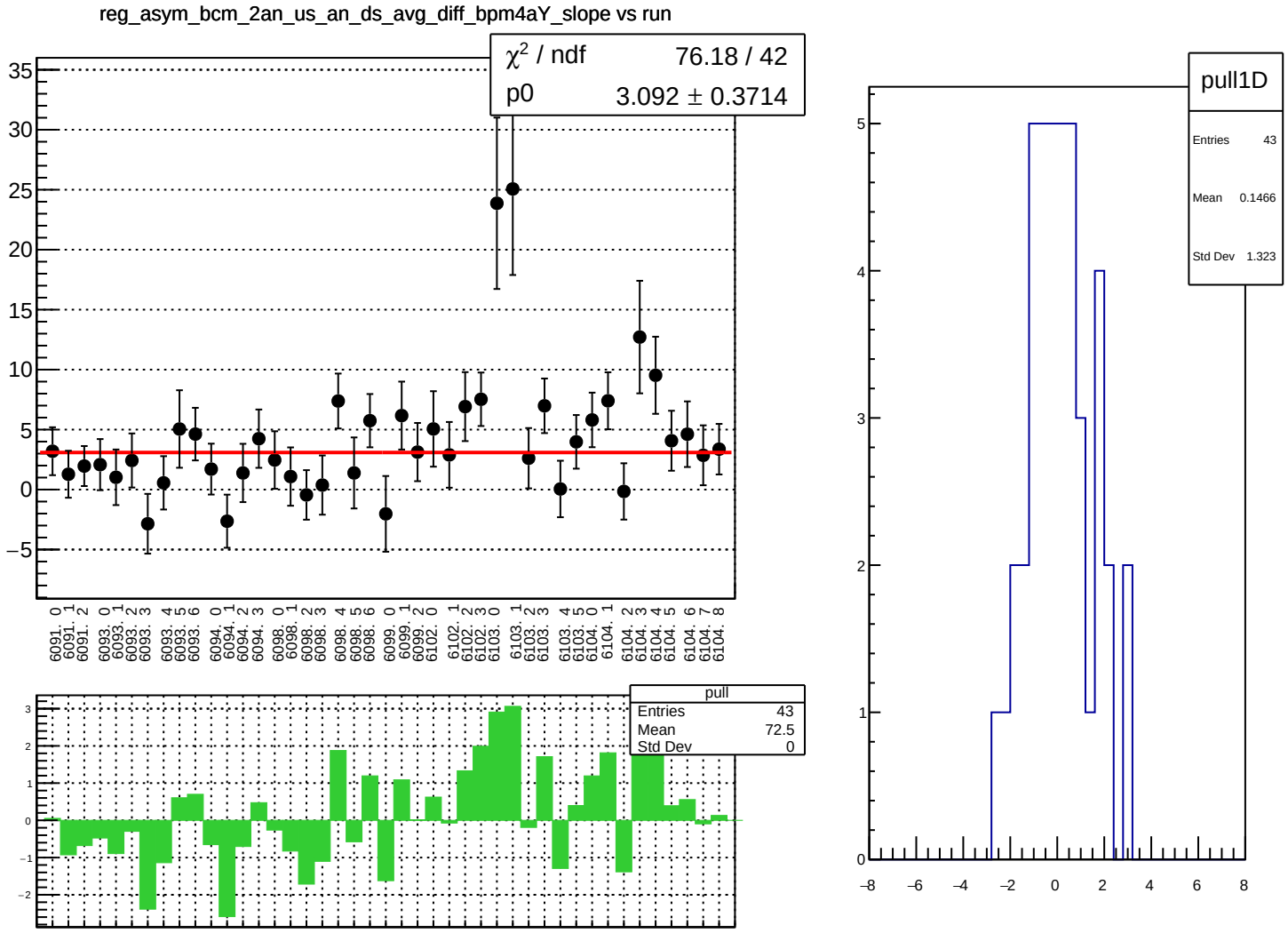

reg_asym_bcm_dg_us_diff_bpm4aY_slope vs run
χ² / ndf 75.29 / 42
p0 3.233 ± 0.3735
pull
Entries 43
Mean 76.8
Std Dev 0
pull1D
Entries 43
Mean 0.1448
Std Dev 1.315

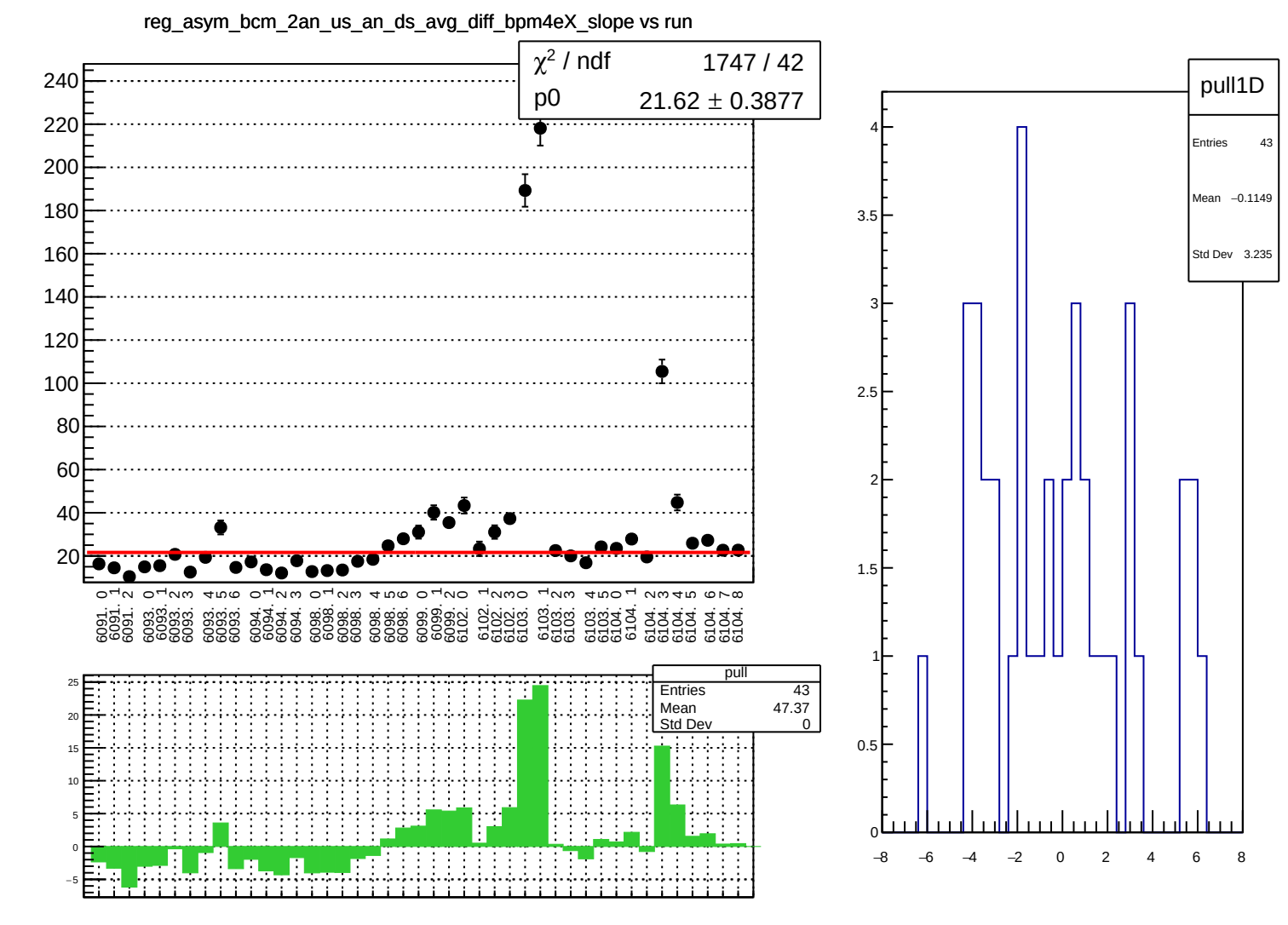

reg_asym_bcm_dg_us_diff_bpm4eX_slope vs run
χ² / ndf 1718 / 42
p0 21.71 ± 0.3901
pull
Entries 43
Mean 47.6
Std Dev 0
pull1D
Entries 43
Mean −0.1439
Std Dev 3.171

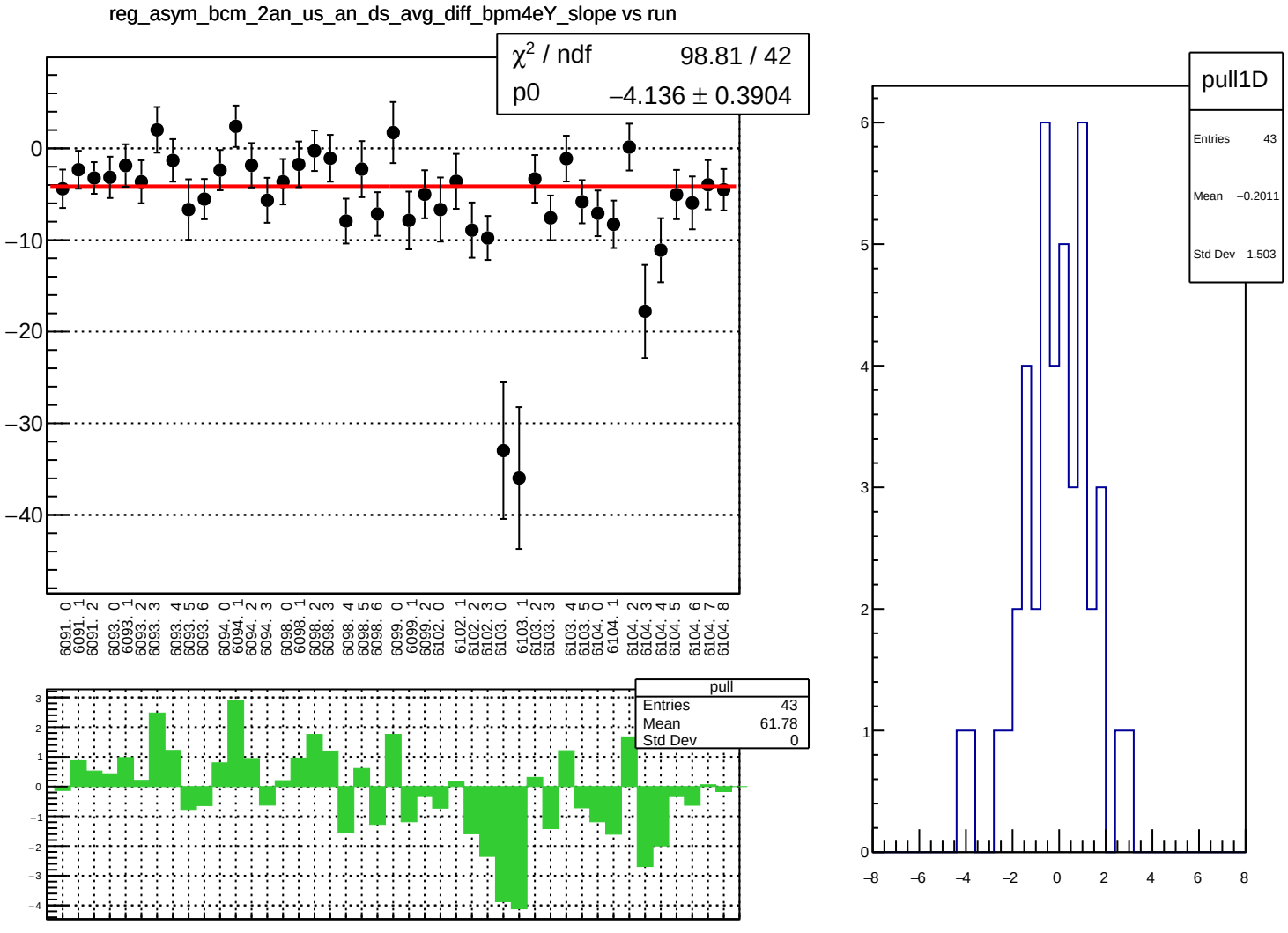

reg_asym_bcm_dg_us_diff_bpm4eY_slope vs run
χ² / ndf 98.2 / 42
p0 −4.259 ± 0.3927
0
−10
−20
−30
−40
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 64.31
Std Dev 0
3
2
1
0
−1
−2
−3
−4
pull1D
Entries 43
Mean −0.2009
Std Dev 1.498
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

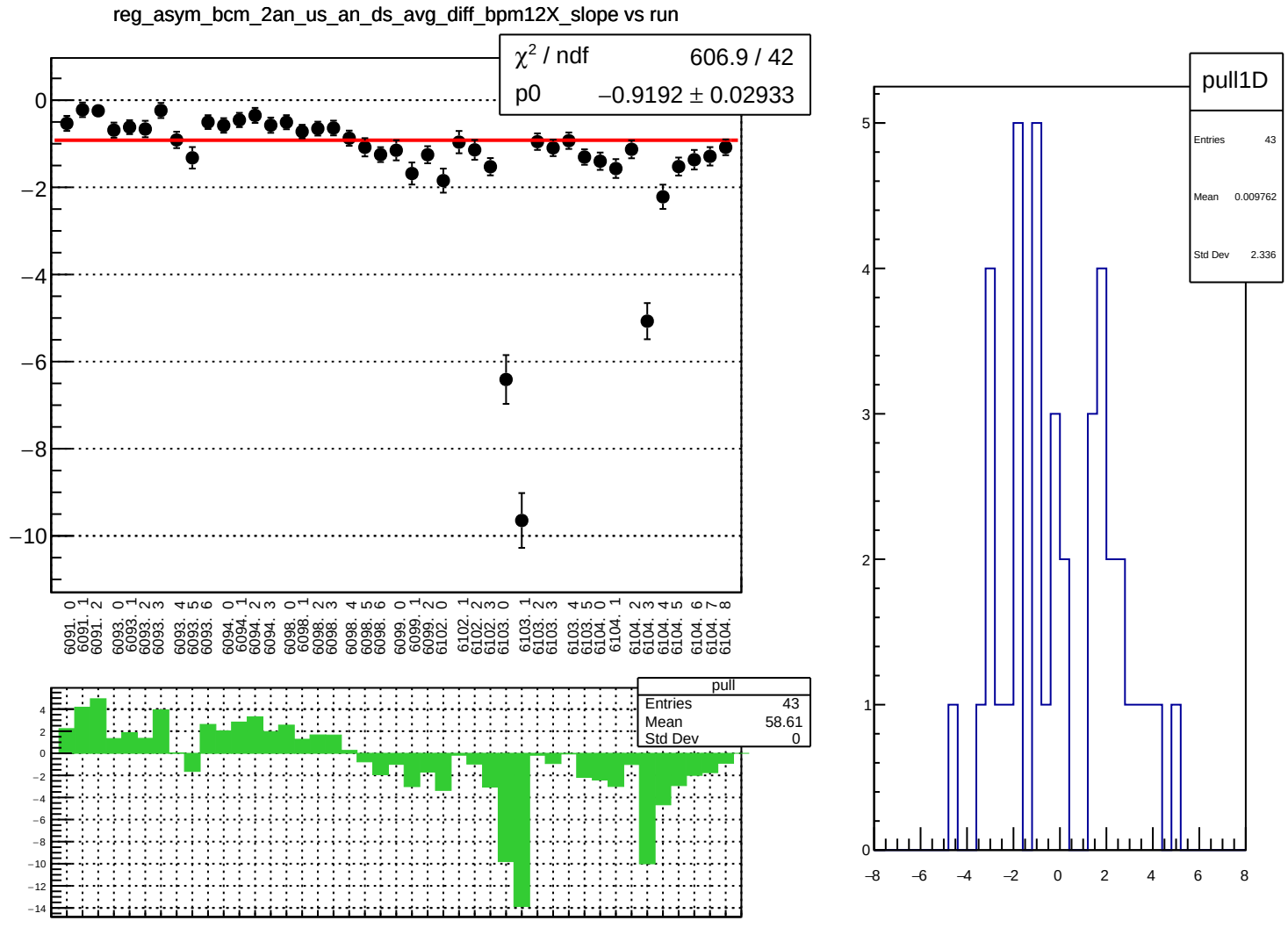

reg_asym_bcm_dg_us_diff_bpm12X_slope vs run
χ² / ndf 590.1 / 42
p0 −0.9191± 0.02952
0
−2
−4
−6
−8
−10
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 58.55
Std Dev 0
4
2
0
−2
−4
−6
−8
−10
−12
−14
pull1D
Entries 43
Mean 0.03826
Std Dev 2.238
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

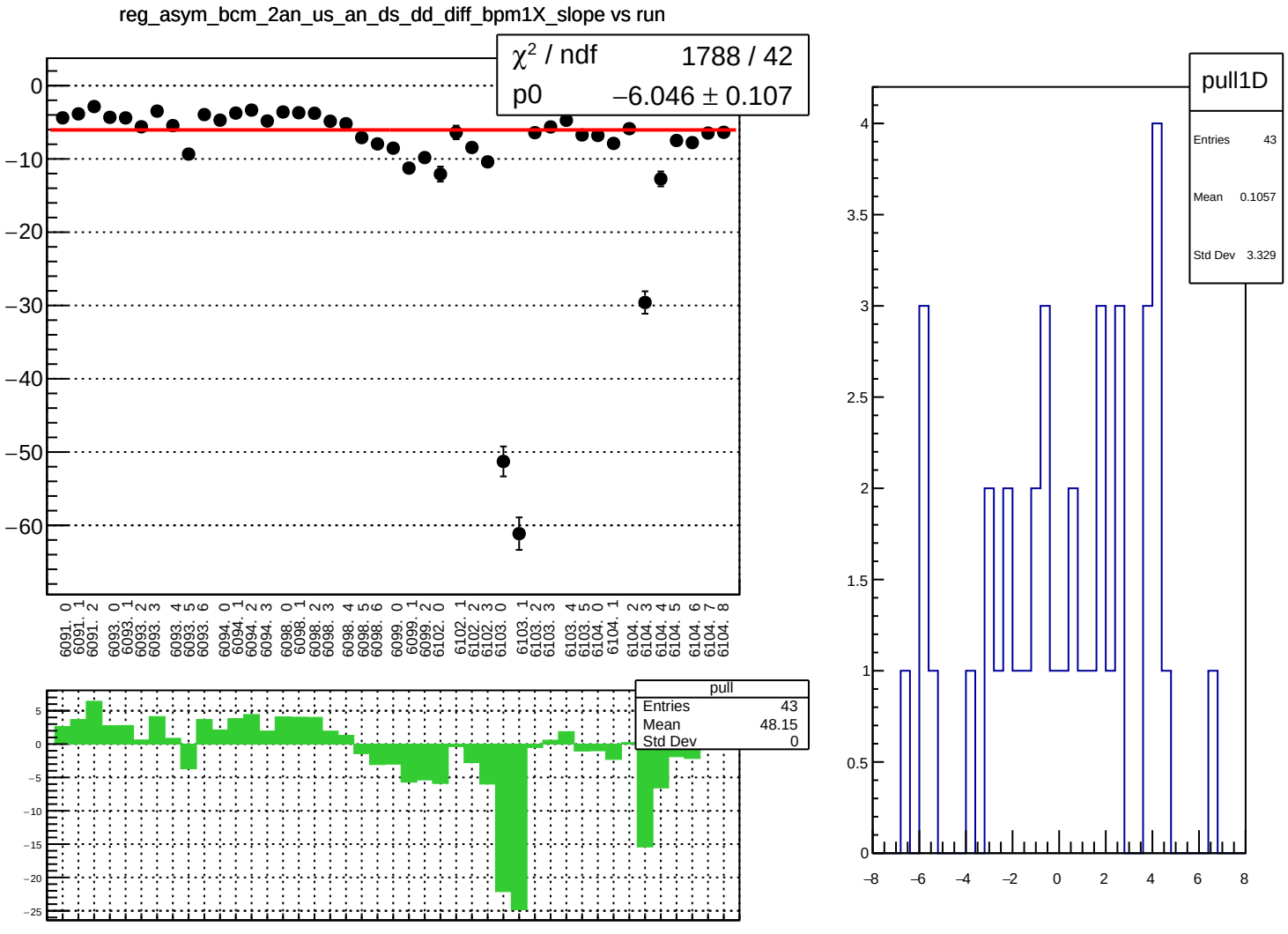

reg_asym_bcm_2an_us_an_ds_avg_diff_bpm1X_slope vs run
χ² / ndf 1796 / 42
p0 −17.99 ± 0.3172
0
−50
−100
−150
−200
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 47.96
Std Dev 0
5
0
−5
−10
−15
−20
−25
pull1D
Entries 43
Mean 0.0965
Std Dev 3.345
4
3.5
3
2.5
2
1.5
1
0.5
0
−8
−6
−4
−2
0
2
4
6
8

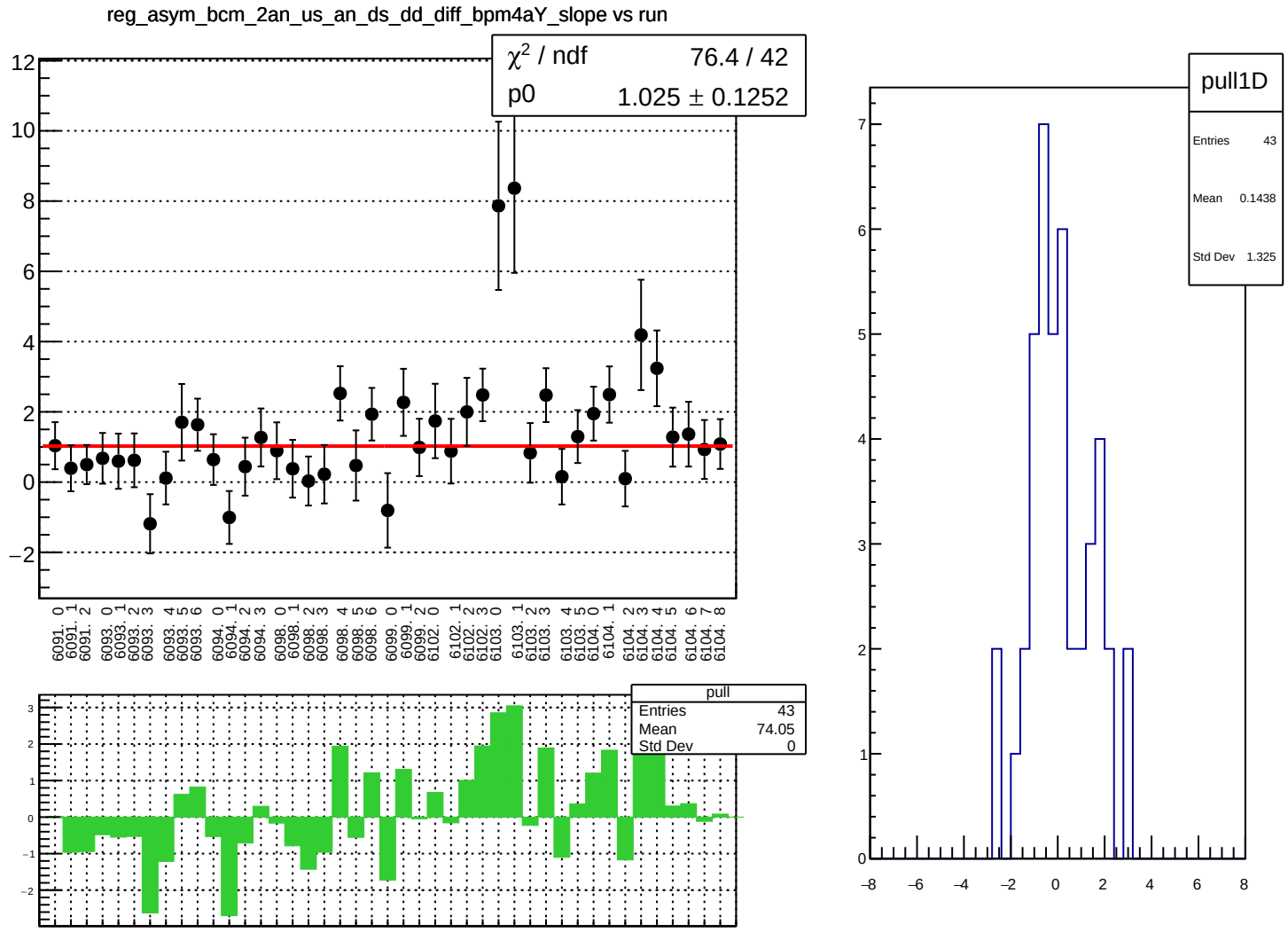

reg_asym_bcm_2an_us_an_ds_avg_diff_bpm4aY_slope vs run
χ² / ndf 76.18 / 42
p0 3.092 ± 0.3714
pull
Entries 43
Mean 72.5
Std Dev 0
pull1D
Entries 43
Mean 0.1466
Std Dev 1.323

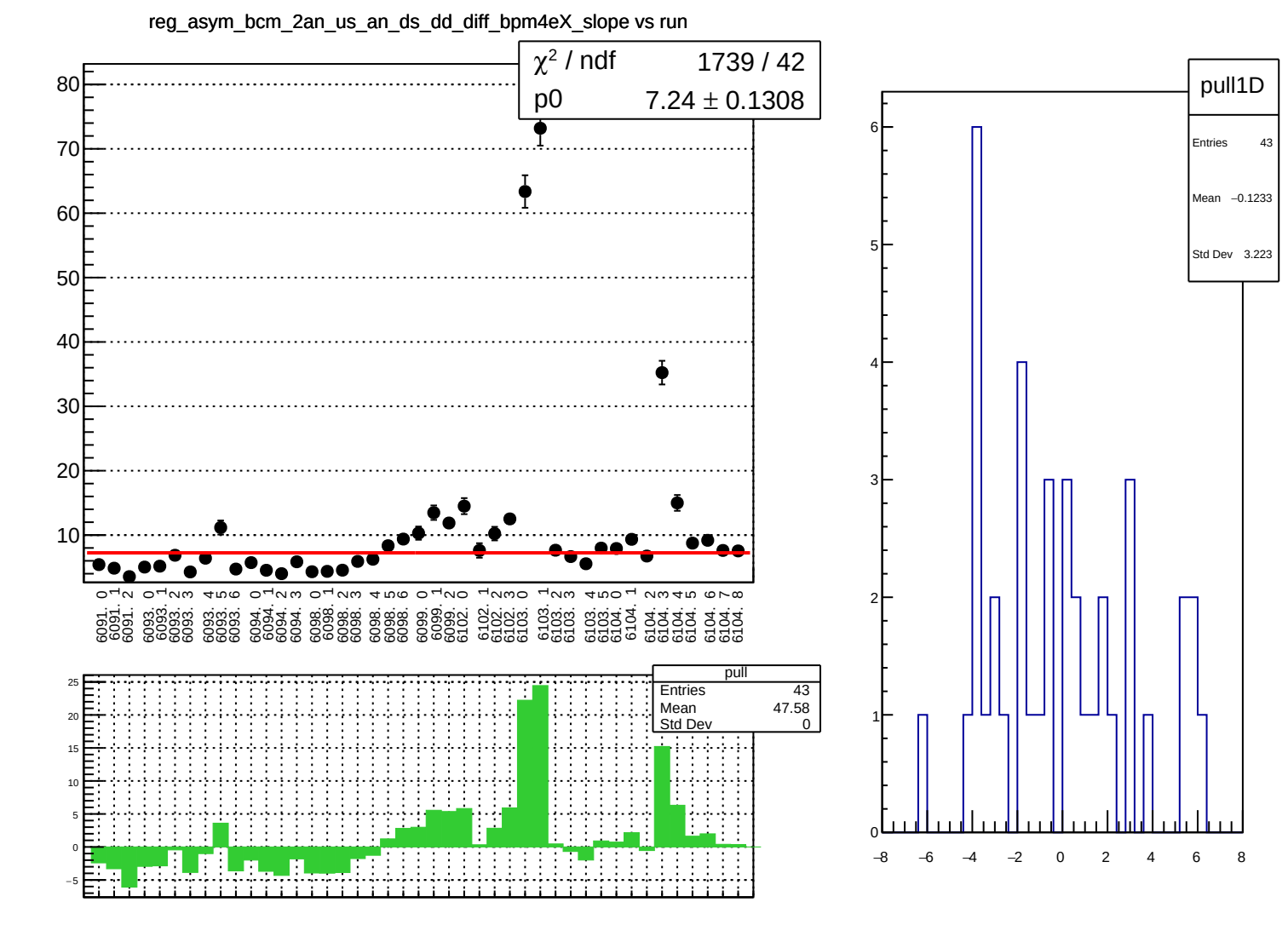

reg_asym_bcm_2an_us_an_ds_avg_diff_bpm4eX_slope vs run
χ² / ndf 1747 / 42
p0 21.62 ± 0.3877
pull
Entries 43
Mean 47.37
Std Dev 0
pull1D
Entries 43
Mean −0.1149
Std Dev 3.235

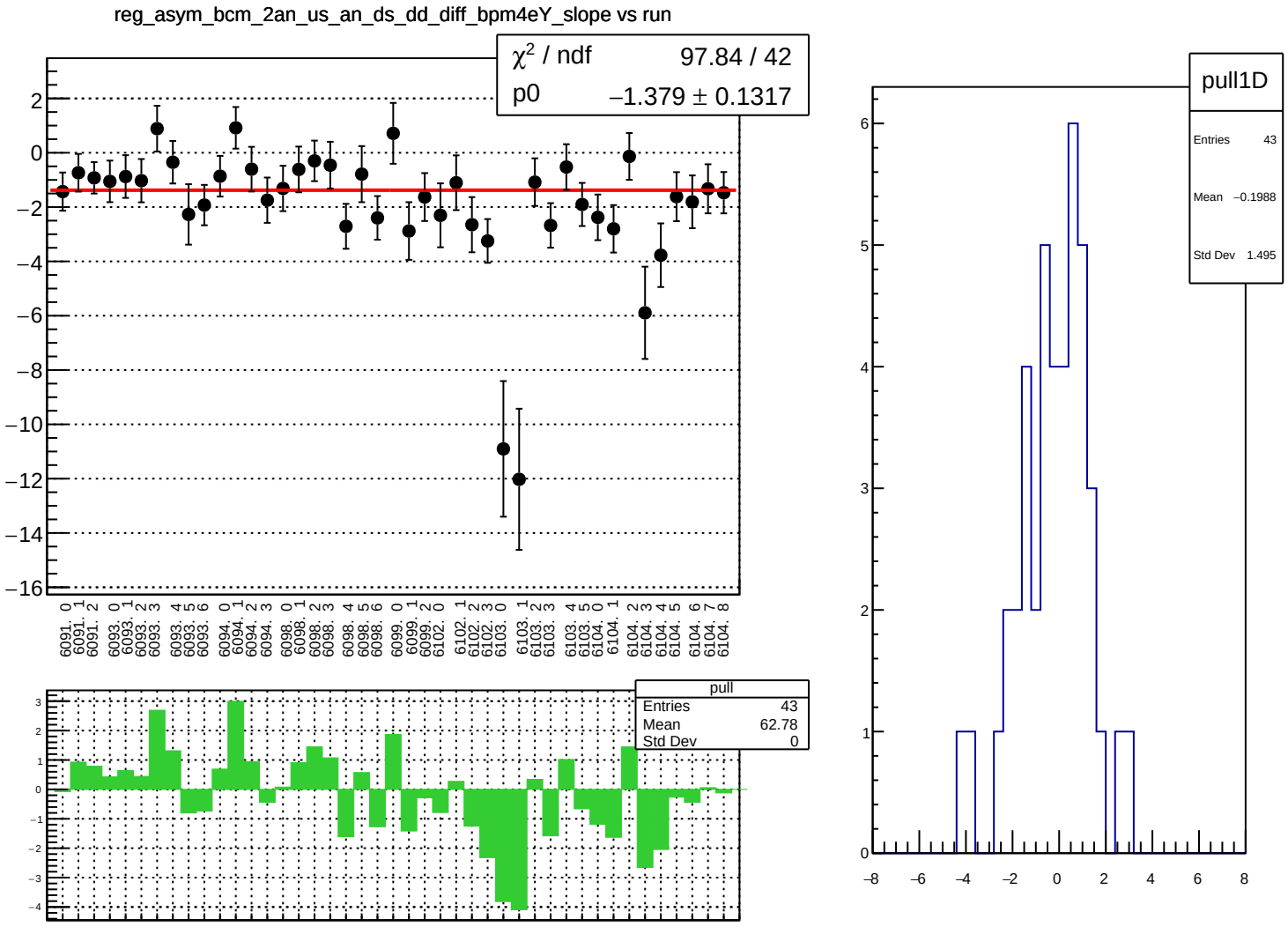

reg_asym_bcm_2an_us_an_ds_avg_diff_bpm4eY_slope vs run
χ² / ndf 98.81 / 42
p0 −4.136 ± 0.3904
0
−10
−20
−30
−40
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 61.78
Std Dev 0
3
2
1
0
−1
−2
−3
−4
pull1D
Entries 43
Mean −0.2011
Std Dev 1.503
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

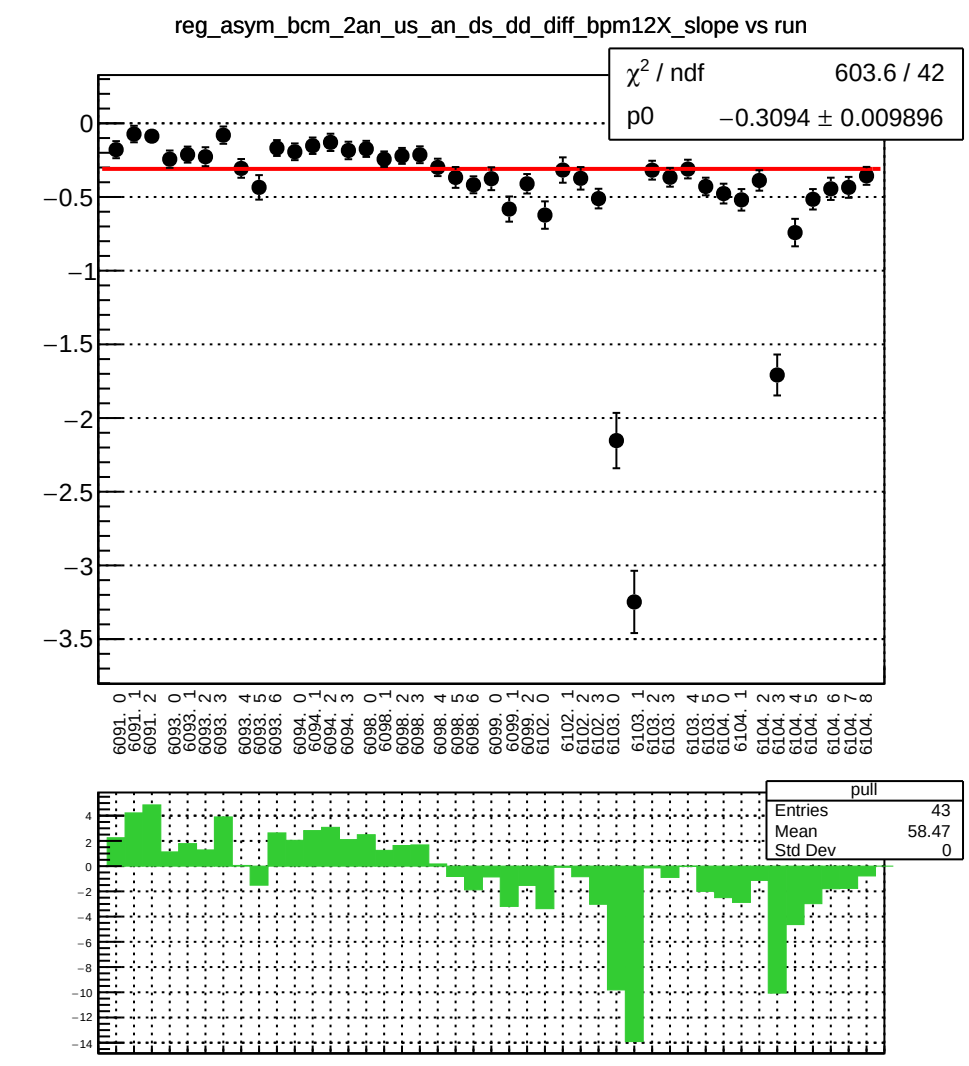

reg_asym_bcm_2an_us_an_ds_avg_diff_bpm12X_slope vs run
χ² / ndf 606.9 / 42
p0 −0.9192 ± 0.02933
0
−2
−4
−6
−8
−10
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 58.61
Std Dev 0
4
2
0
−2
−4
−6
−8
−10
−12
−14
pull1D
Entries 43
Mean 0.009762
Std Dev 2.336
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

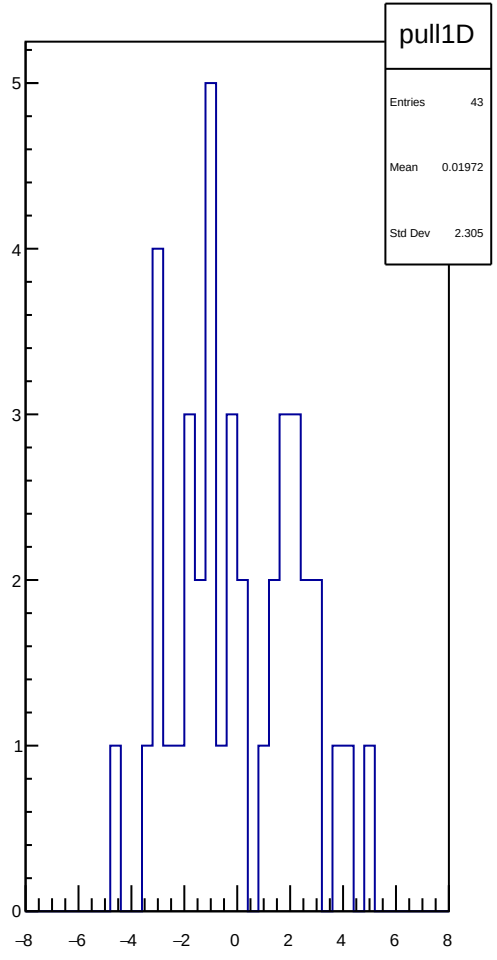

reg_asym_bcm_2an_us_an_ds_dd_diff_bpm1X_slope vs run
χ² / ndf 1788 / 42
p0 −6.046 ± 0.107
pull
Entries 43
Mean 48.15
Std Dev 0
pull1D
Entries 43
Mean 0.1057
Std Dev 3.329

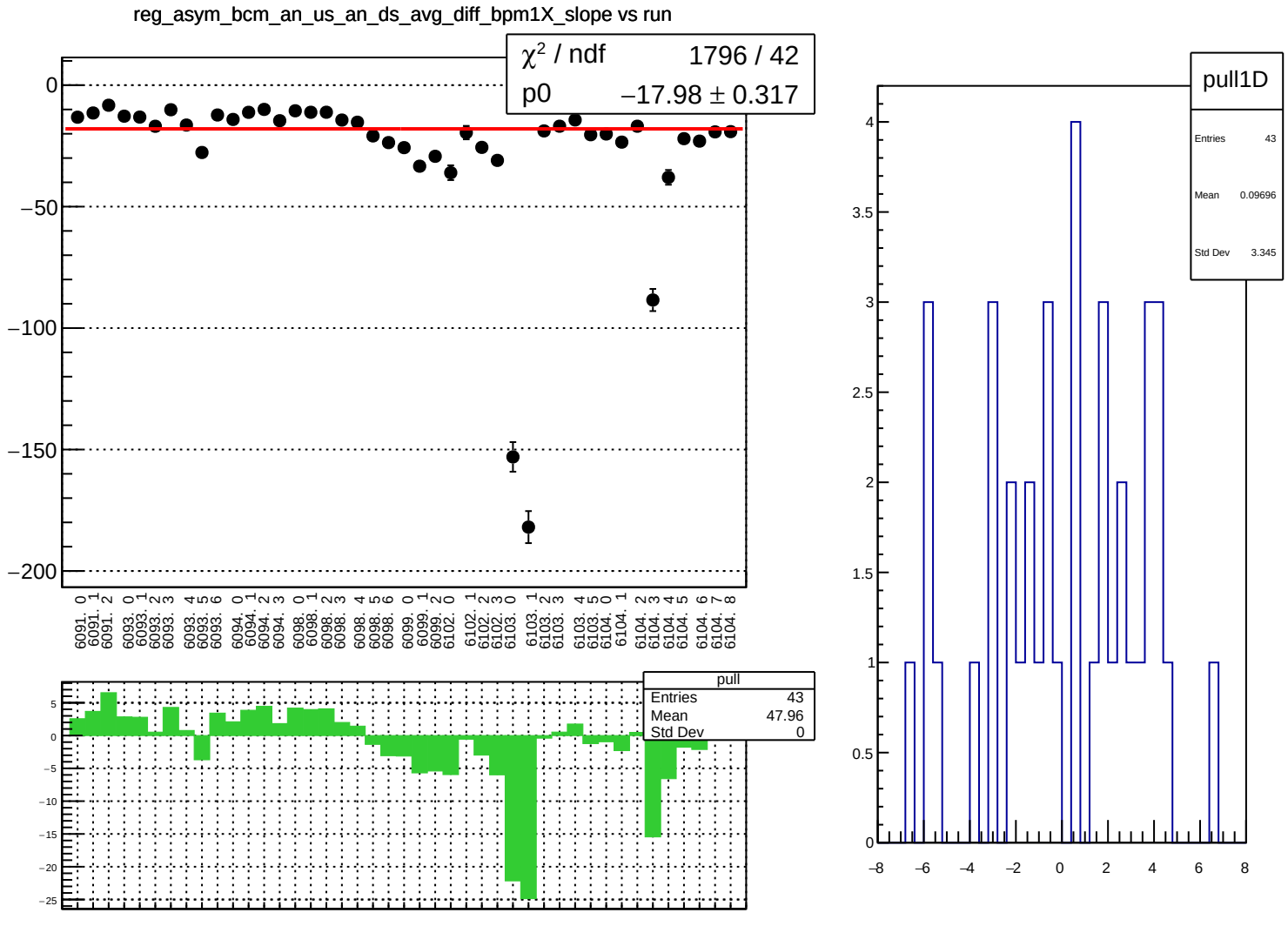

reg_asym_bcm_2an_us_an_ds_dd_diff_bpm4aY_slope vs run
χ² / ndf 76.4 / 42
p0 1.025 ± 0.1252
pull
Entries 43
Mean 74.05
Std Dev 0
pull1D
Entries 43
Mean 0.1438
Std Dev 1.325

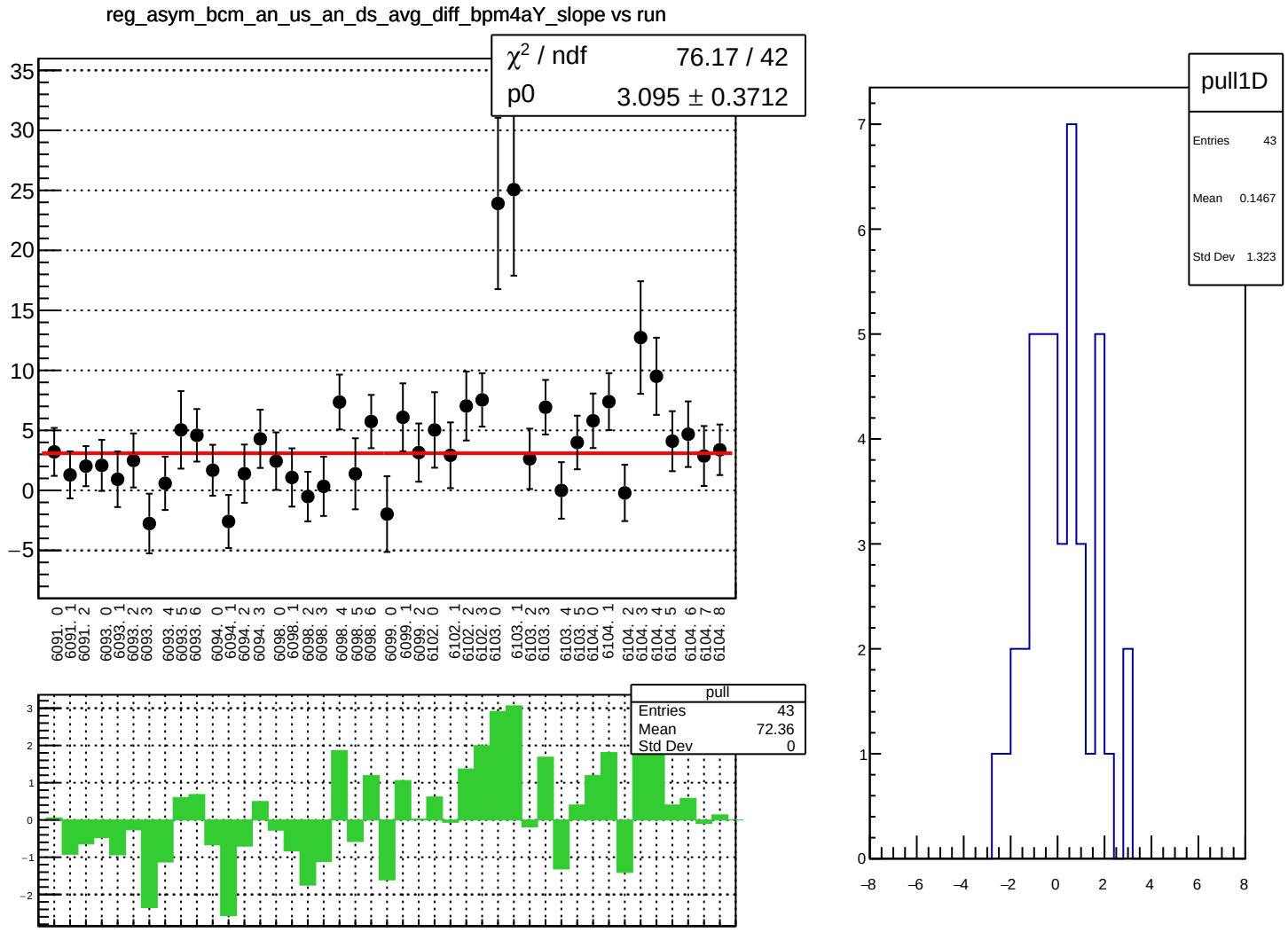

reg_asym_bcm_2an_us_an_ds_dd_diff_bpm4eX_slope vs run
χ² / ndf 1739 / 42
p0 7.24 ± 0.1308
pull
Entries 43
Mean 47.58
Std Dev 0
pull1D
Entries 43
Mean −0.1233
Std Dev 3.223

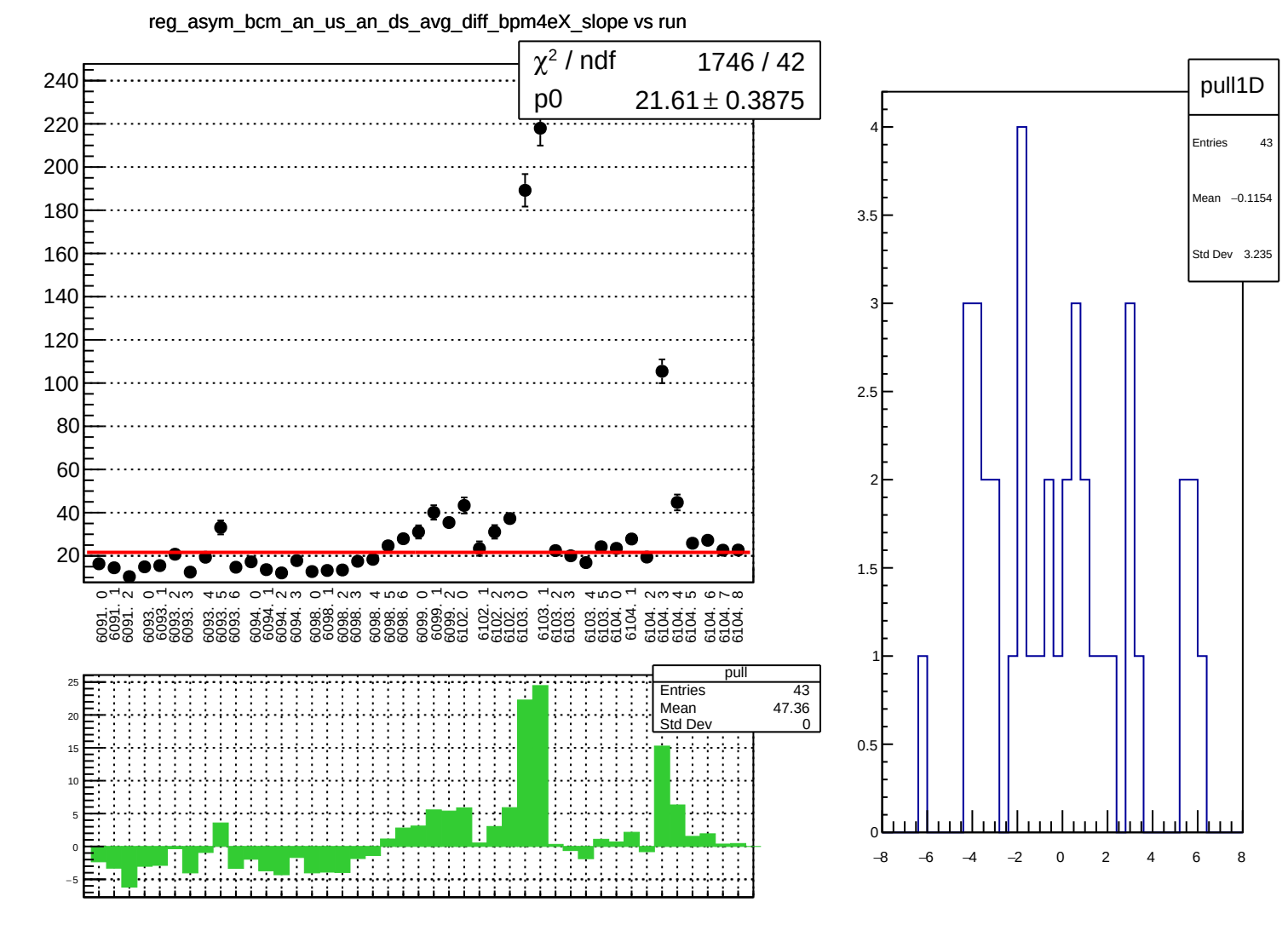

reg_asym_bcm_2an_us_an_ds_dd_diff_bpm4eY_slope vs run
χ² / ndf 97.84 / 42
p0 −1.379 ± 0.1317
pull
Entries 43
Mean 62.78
Std Dev 0
pull1D
Entries 43
Mean −0.1988
Std Dev 1.495

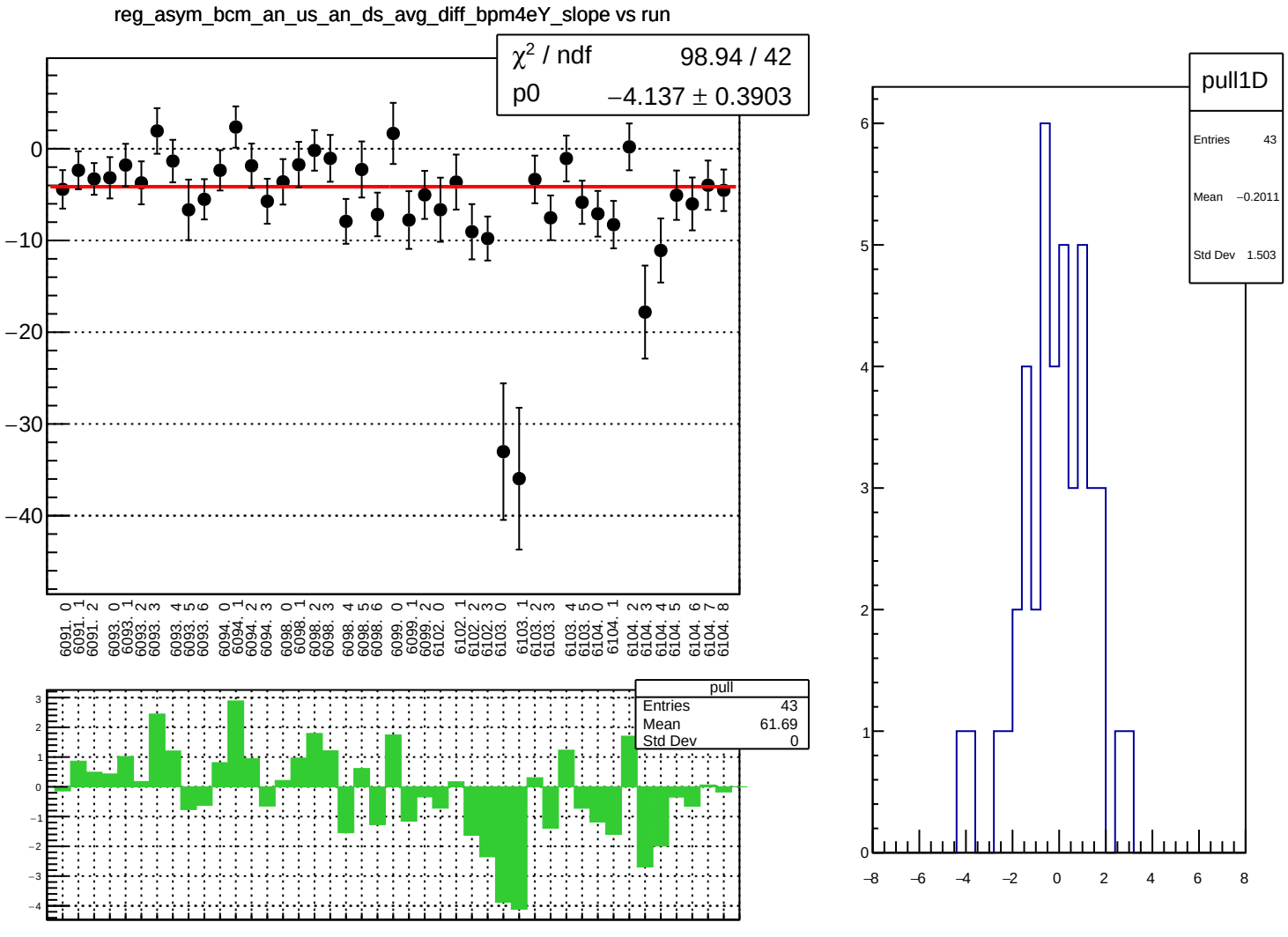

reg_asym_bcm_2an_us_an_ds_dd_diff_bpm12X_slope vs run
χ² / ndf 603.6 / 42
p0 −0.3094 ± 0.009896
pull
Entries 43
Mean 58.47
Std Dev 0

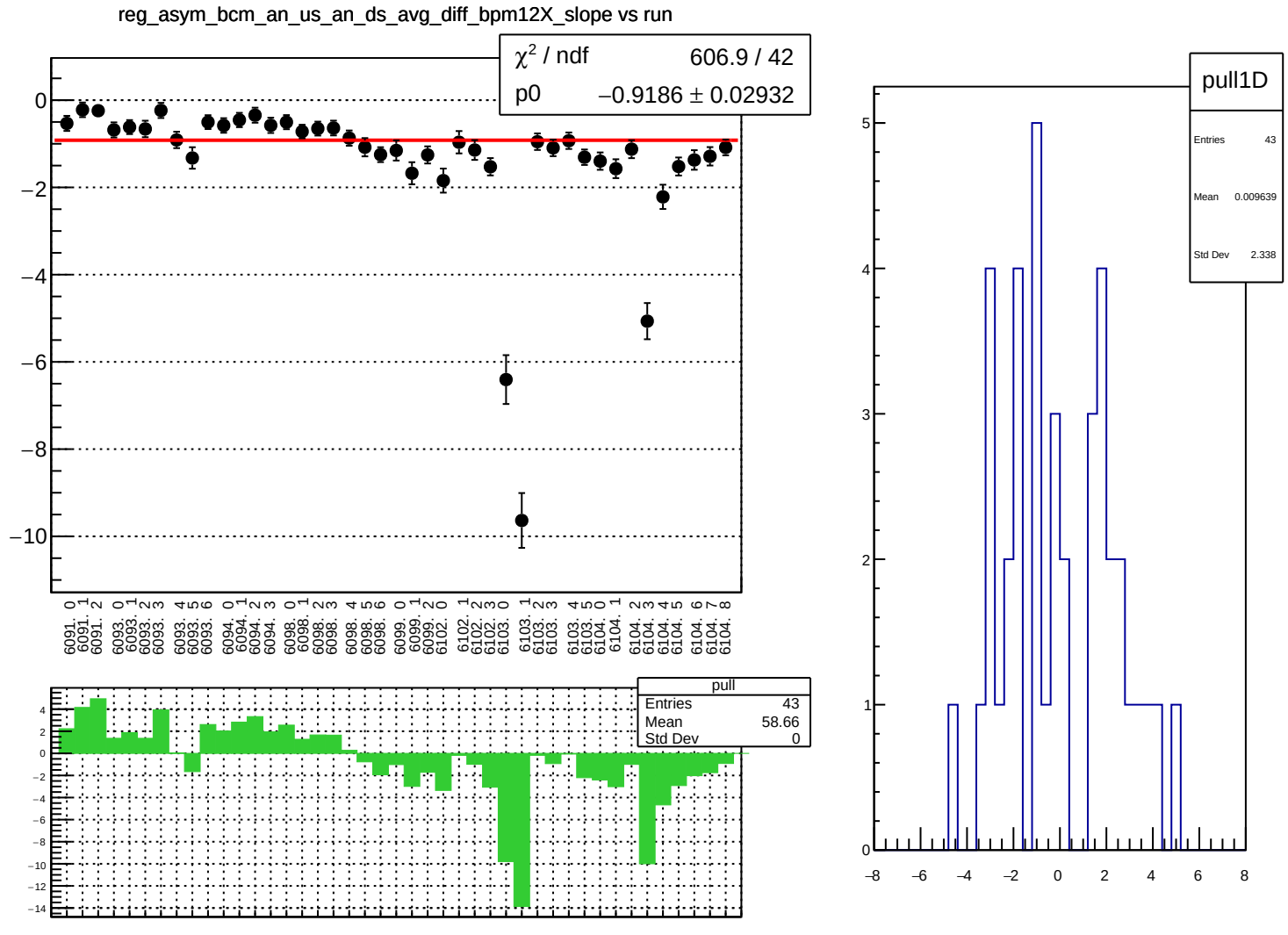

pull1D
Entries 43
Mean 0.01972
Std Dev 2.305

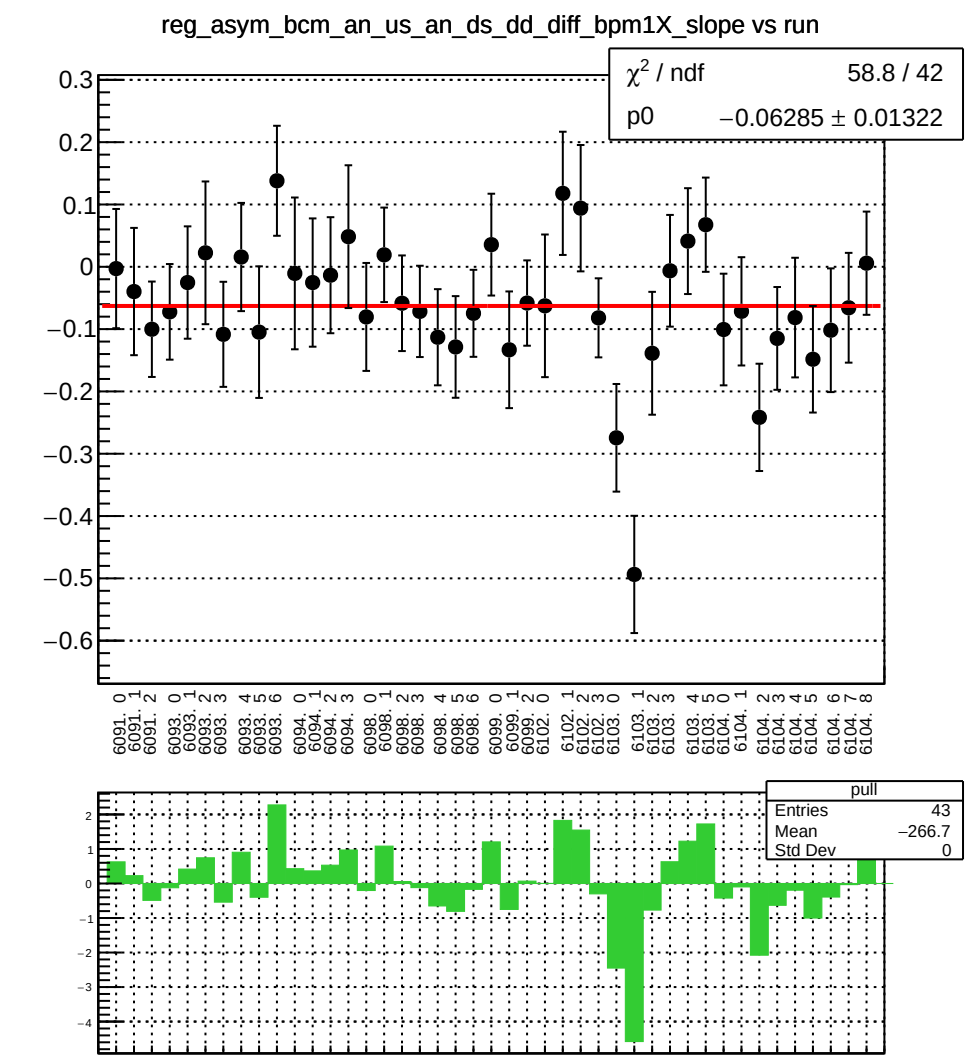

reg_asym_bcm_an_us_an_ds_avg_diff_bpm1X_slope vs run
χ² / ndf 1796 / 42
p0 −17.98 ± 0.317
0
−50
−100
−150
−200
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 47.96
Std Dev 0
5
0
−5
−10
−15
−20
−25
pull1D
Entries 43
Mean 0.09696
Std Dev 3.345
4
3.5
3
2.5
2
1.5
1
0.5
0
−8
−6
−4
−2
0
2
4
6
8

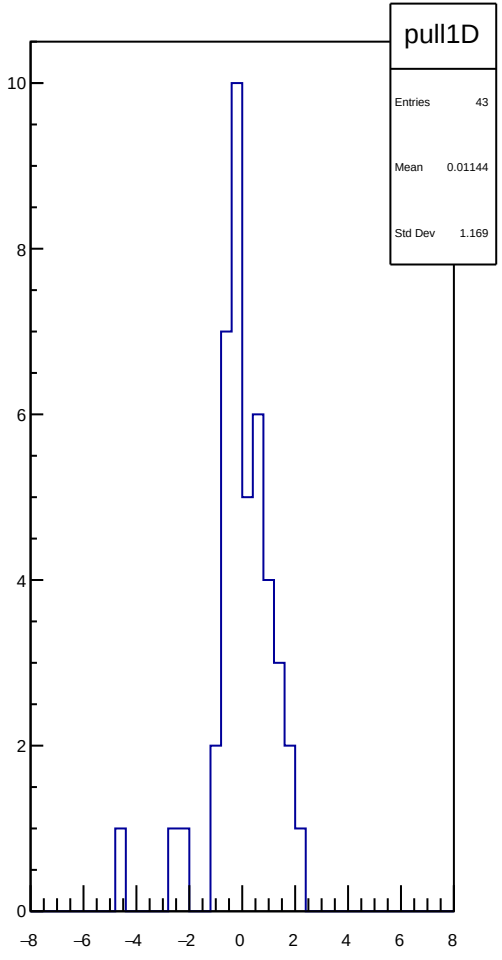

reg_asym_bcm_an_us_an_ds_avg_diff_bpm4aY_slope vs run
χ² / ndf 76.17 / 42
p0 3.095 ± 0.3712
pull
Entries 43
Mean 72.36
Std Dev 0
pull1D
Entries 43
Mean 0.1467
Std Dev 1.323

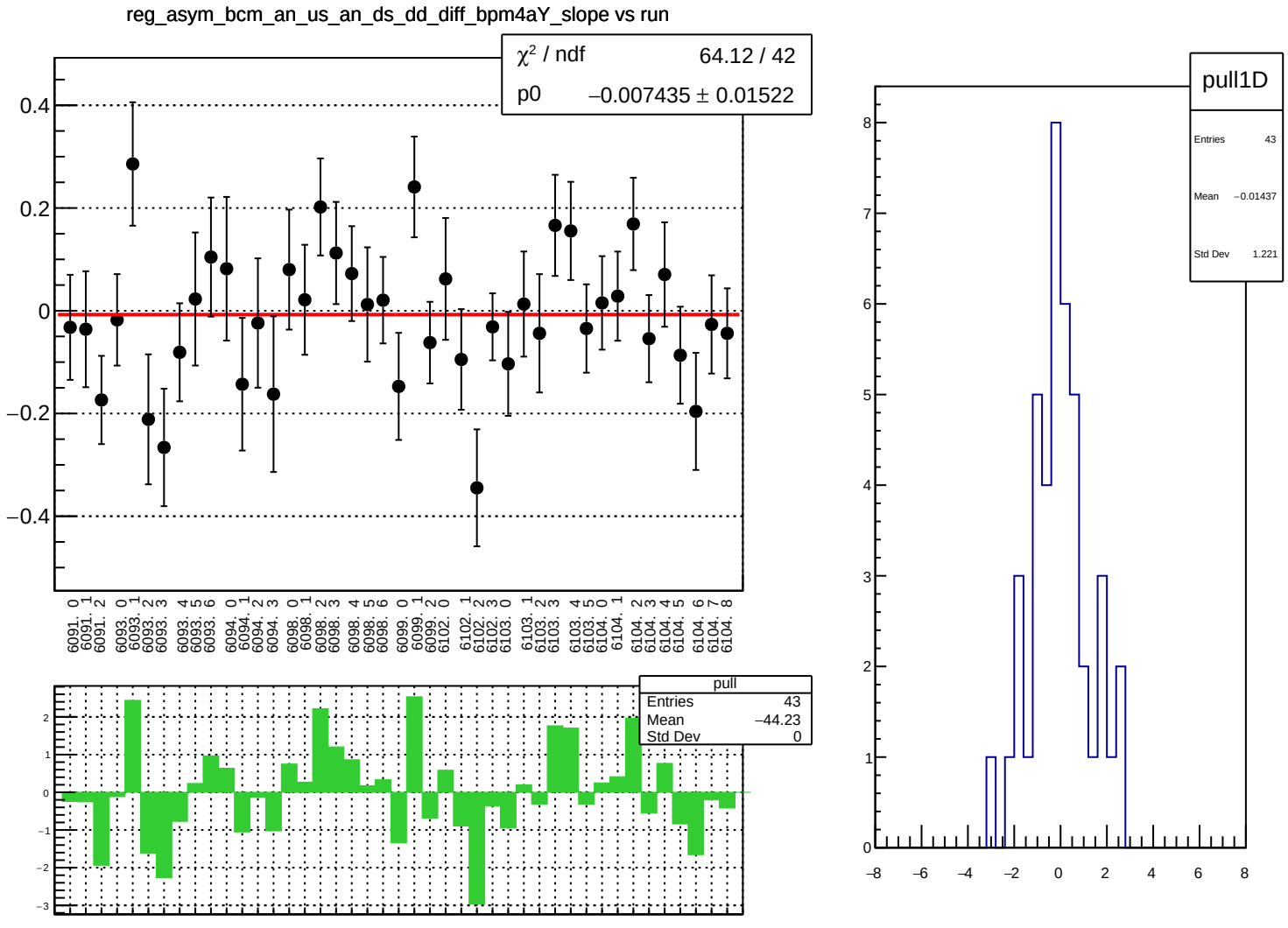

reg_asym_bcm_an_us_an_ds_avg_diff_bpm4eX_slope vs run
χ² / ndf 1746 / 42
p0 21.61 ± 0.3875
pull
Entries 43
Mean 47.36
Std Dev 0
pull1D
Entries 43
Mean −0.1154
Std Dev 3.235

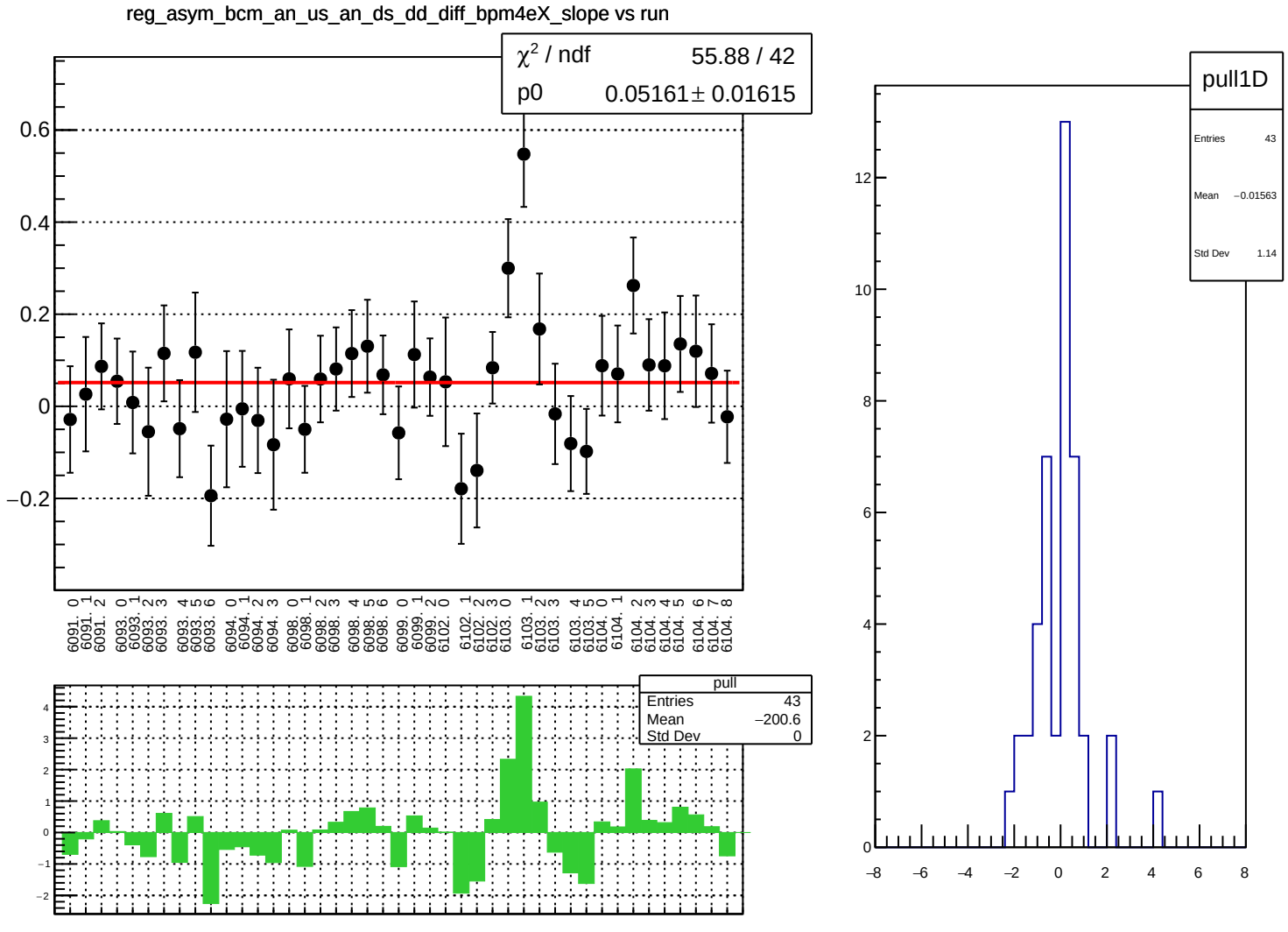

reg_asym_bcm_an_us_an_ds_avg_diff_bpm4eY_slope vs run
χ² / ndf 98.94 / 42
p0 −4.137 ± 0.3903
0
−10
−20
−30
−40
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 61.69
Std Dev 0
3
2
1
0
−1
−2
−3
−4
pull1D
Entries 43
Mean −0.2011
Std Dev 1.503
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

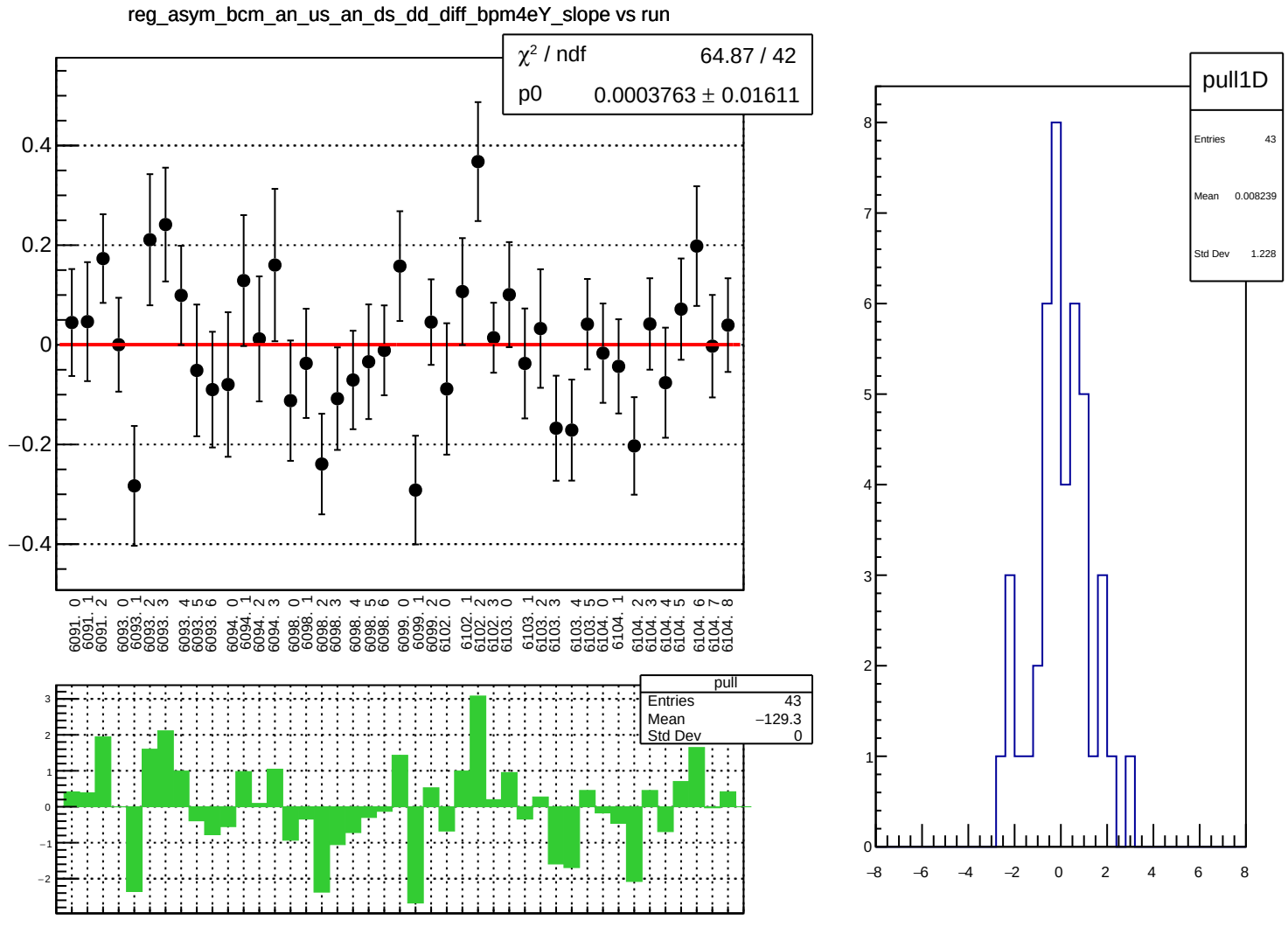

reg_asym_bcm_an_us_an_ds_avg_diff_bpm12X_slope vs run
χ² / ndf 606.9 / 42
p0 −0.9186 ± 0.02932
pull
Entries 43
Mean 58.66
Std Dev 0
pull1D
Entries 43
Mean 0.009639
Std Dev 2.338

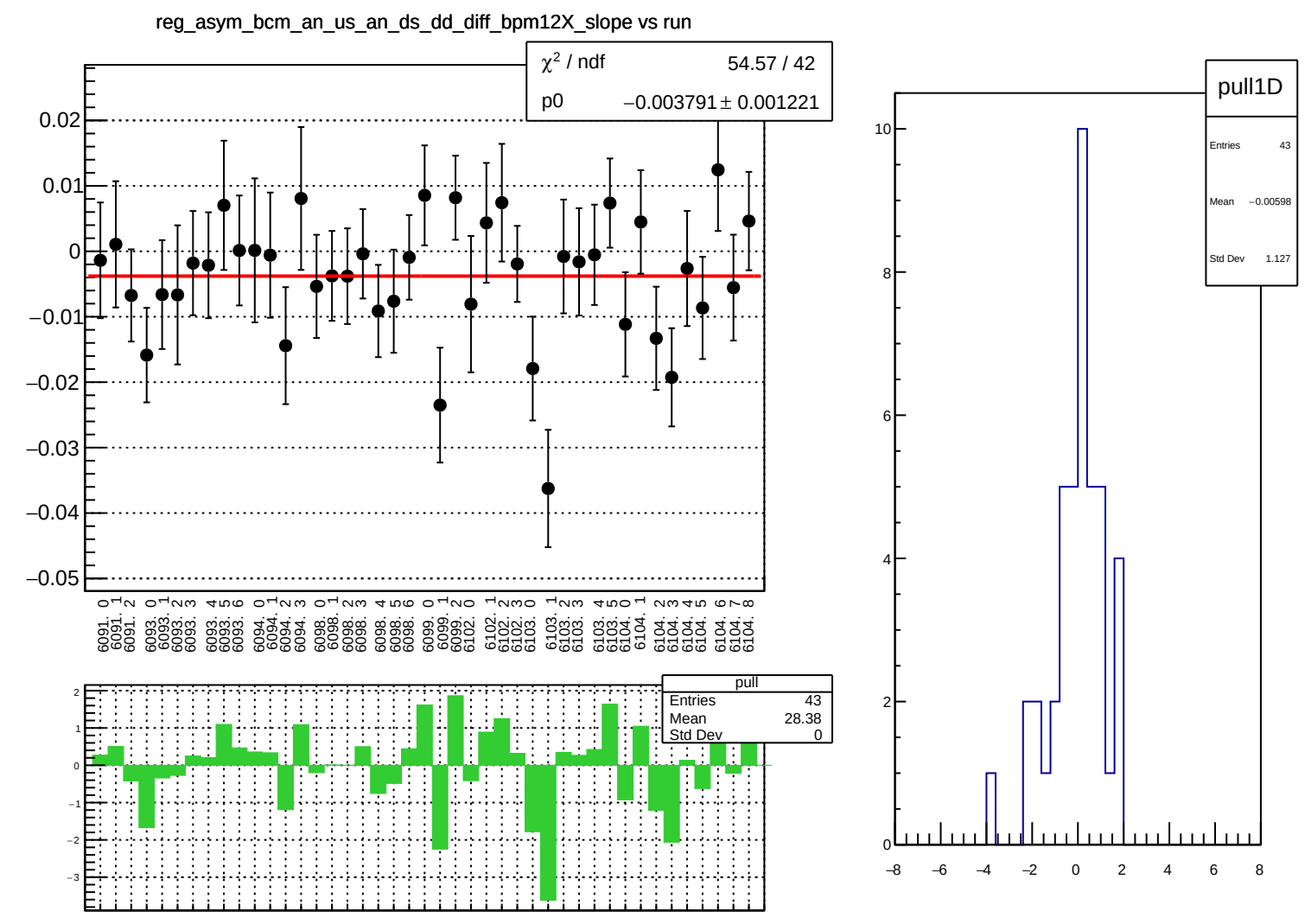

reg_asym_bcm_an_us_an_ds_dd_diff_bpm1X_slope vs run
χ² / ndf 58.8 / 42
p0 −0.06285 ± 0.01322
pull
Entries 43
Mean −266.7
Std Dev 0

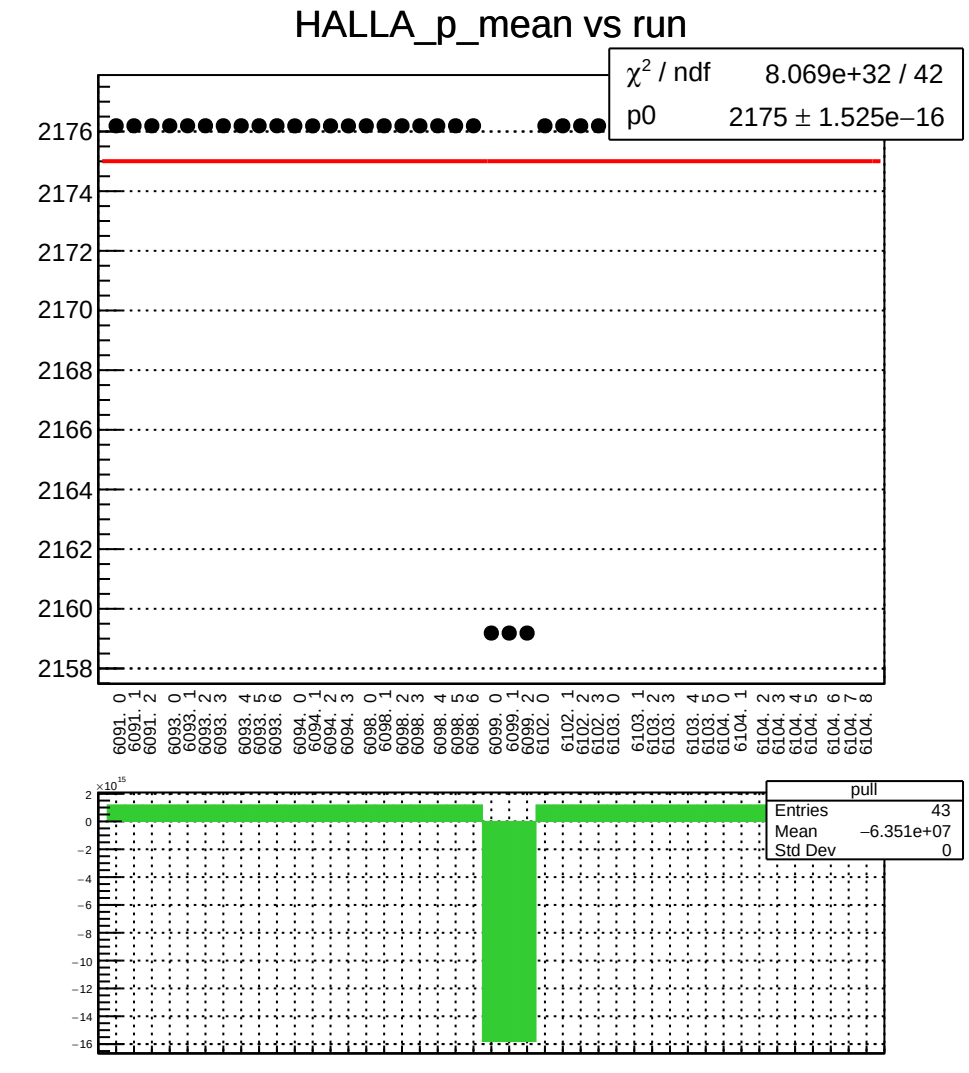

pull1D
Entries 43
Mean 0.01144
Std Dev 1.169

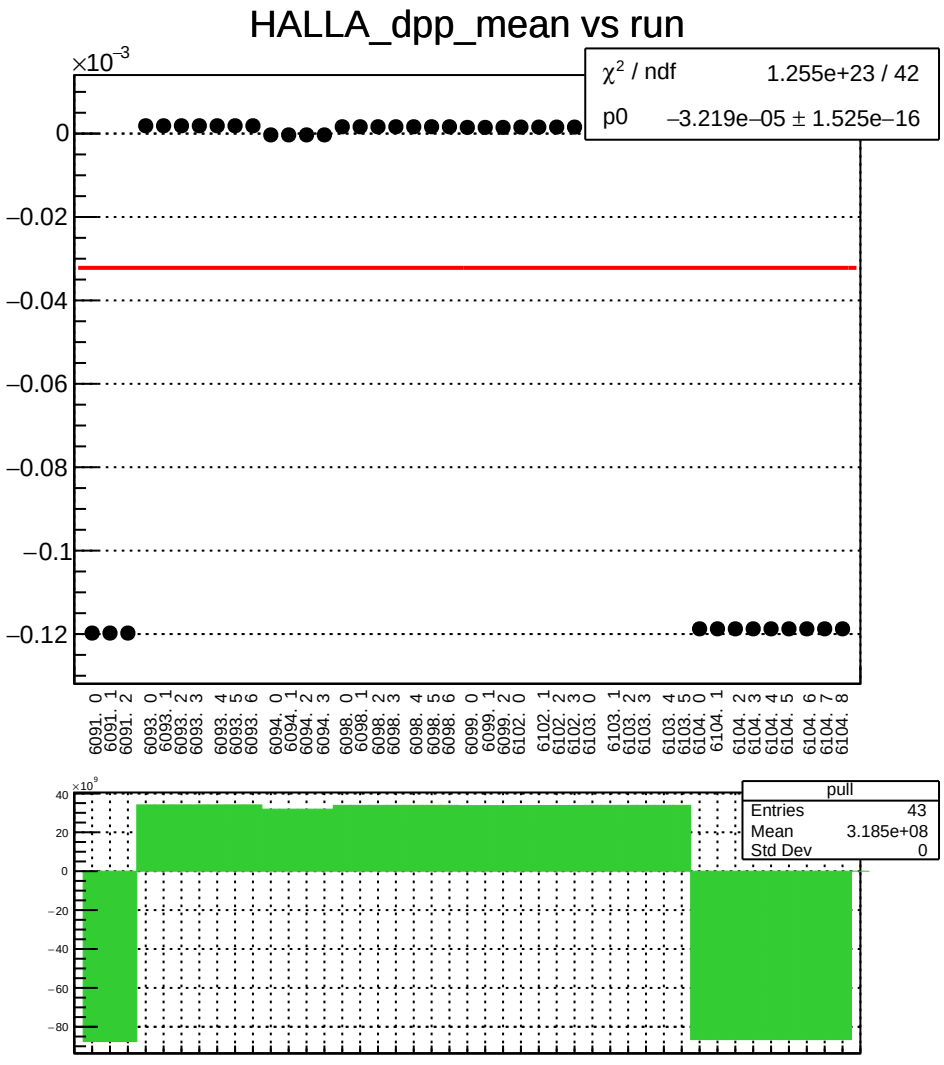

reg_asym_bcm_an_us_an_ds_dd_diff_bpm4aY_slope vs run
χ² / ndf 64.12 / 42
p0 −0.007435 ± 0.01522
0.4
0.2
0
−0.2
−0.4
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean −44.23
Std Dev 0
2
1
0
−1
−2
−3
pull1D
Entries 43
Mean −0.01437
Std Dev 1.221
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

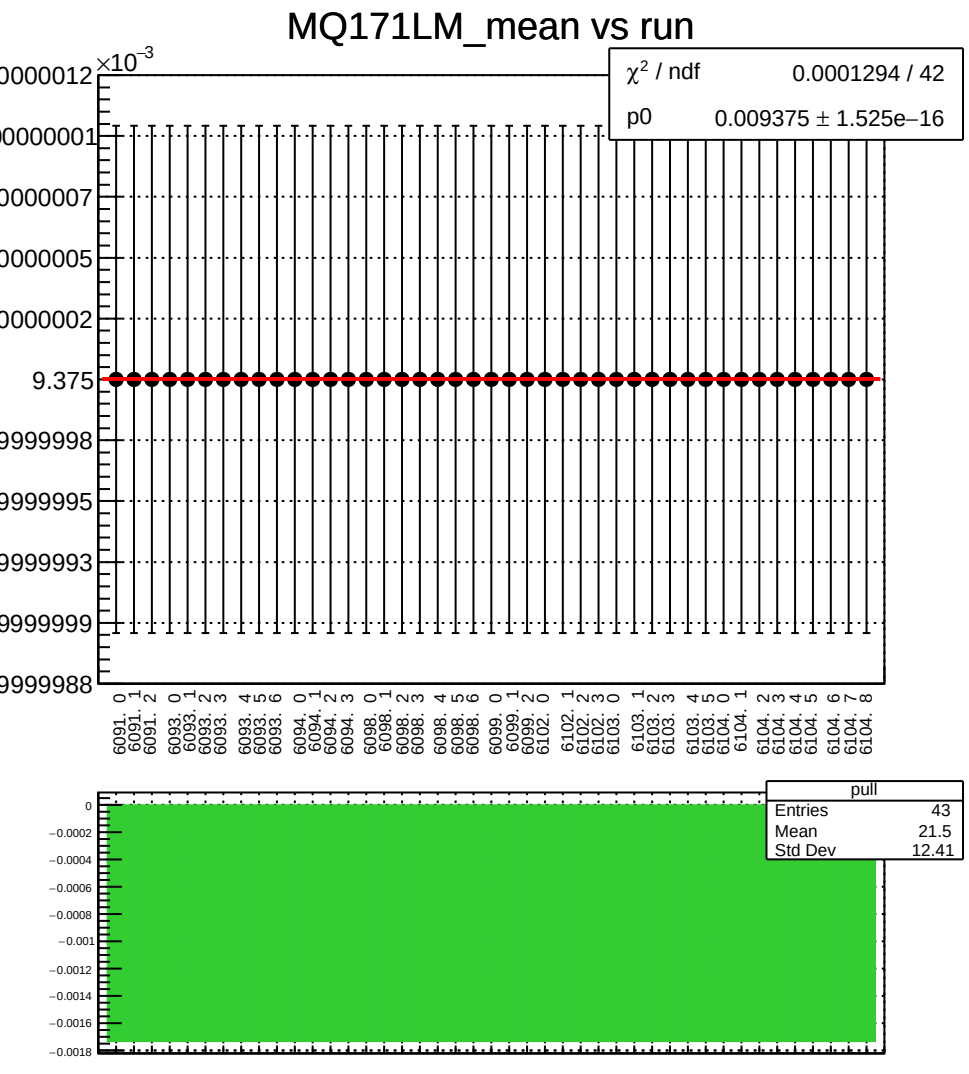

reg_asym_bcm_an_us_an_ds_dd_diff_bpm4eX_slope vs run
χ² / ndf 55.88 / 42
p0 0.05161 ± 0.01615
0.6
0.4
0.2
0
−0.2
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean −200.6
Std Dev 0
4
3
2
1
0
−1
−2
pull1D
Entries 43
Mean −0.01563
Std Dev 1.14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

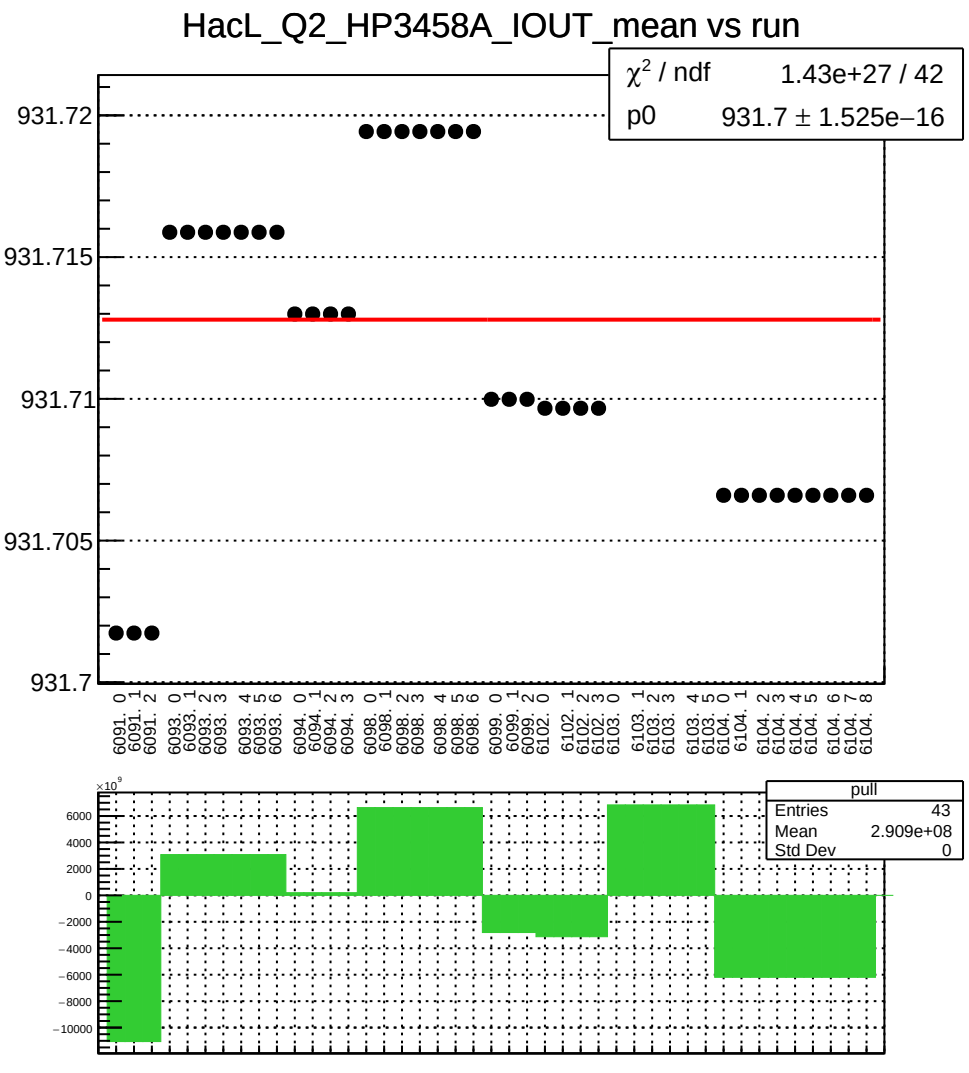

reg_asym_bcm_an_us_an_ds_dd_diff_bpm4eY_slope vs run
χ² / ndf 64.87 / 42
p0 0.0003763 ± 0.01611
0.4
0.2
0
−0.2
−0.4
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean −129.3
Std Dev 0
3
2
1
0
−1
−2
pull1D
Entries 43
Mean 0.008239
Std Dev 1.228
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

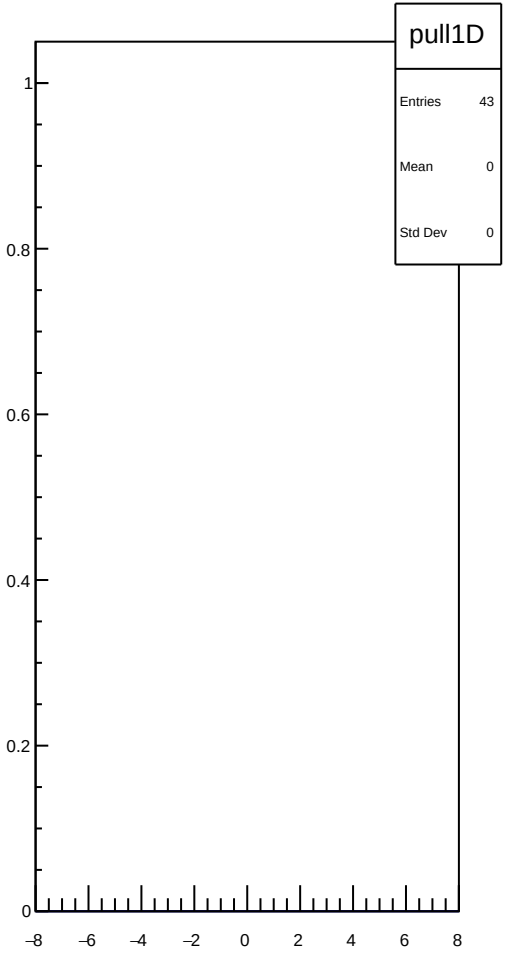

reg_asym_bcm_an_us_an_ds_dd_diff_bpm12X_slope vs run
χ² / ndf 54.57 / 42
p0 −0.003791 ± 0.001221
0.02
0.01
0
−0.01
−0.02
−0.03
−0.04
−0.05
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 28.38
Std Dev 0
2
1
0
−1
−2
−3
pull1D
Entries 43
Mean −0.00598
Std Dev 1.127
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

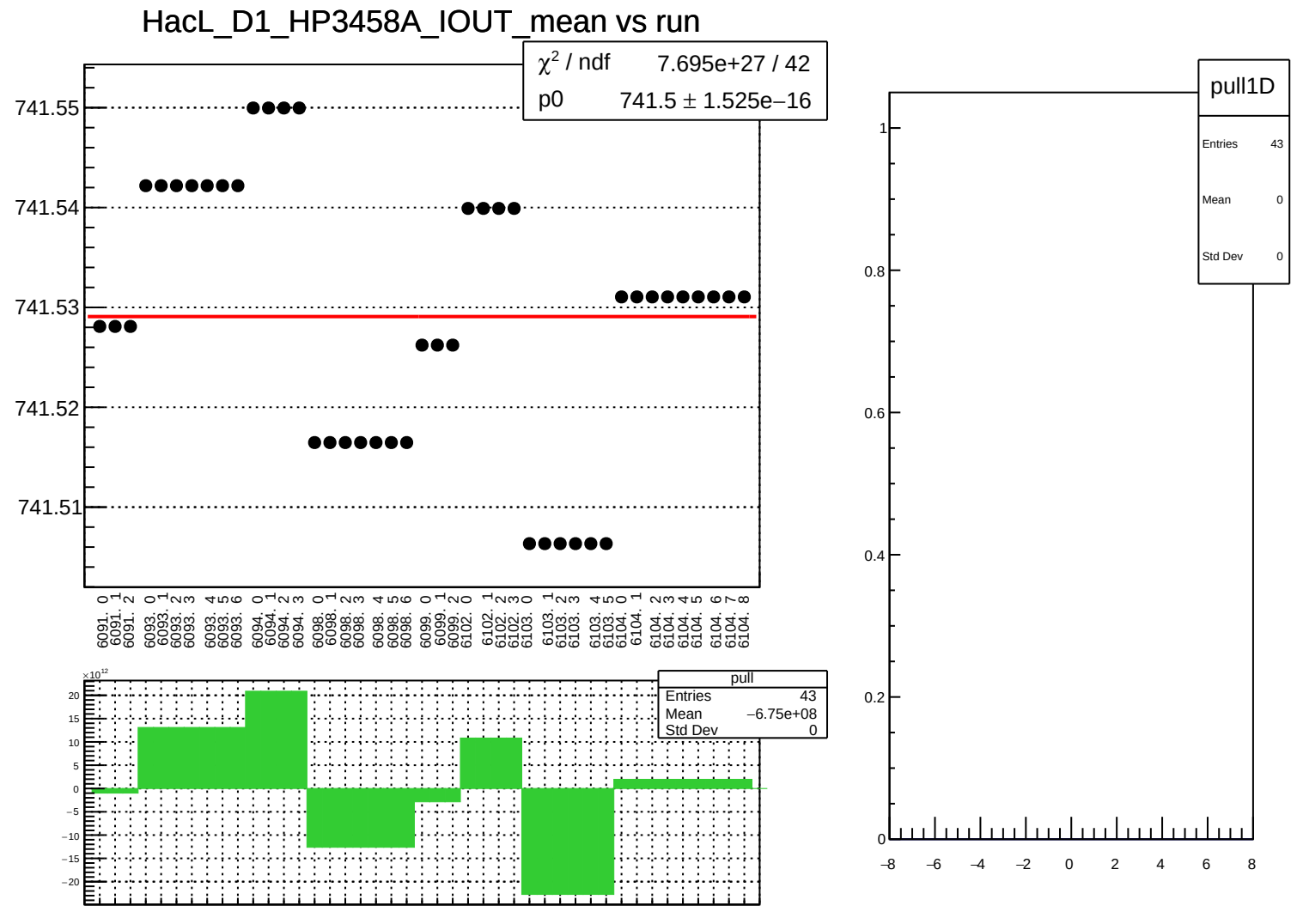

HALLA_p_mean vs run
χ² / ndf 8.069e+32 / 42
p0 2175 ± 1.525e−16
2176
2174
2172
2170
2168
2166
2164
2162
2160
2158
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
×10¹⁵
2
0
−2
−4
−6
−8
−10
−12
−14
−16
pull
Entries 43
Mean −6.351e+07
Std Dev 0
pull1D
Entries 43
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

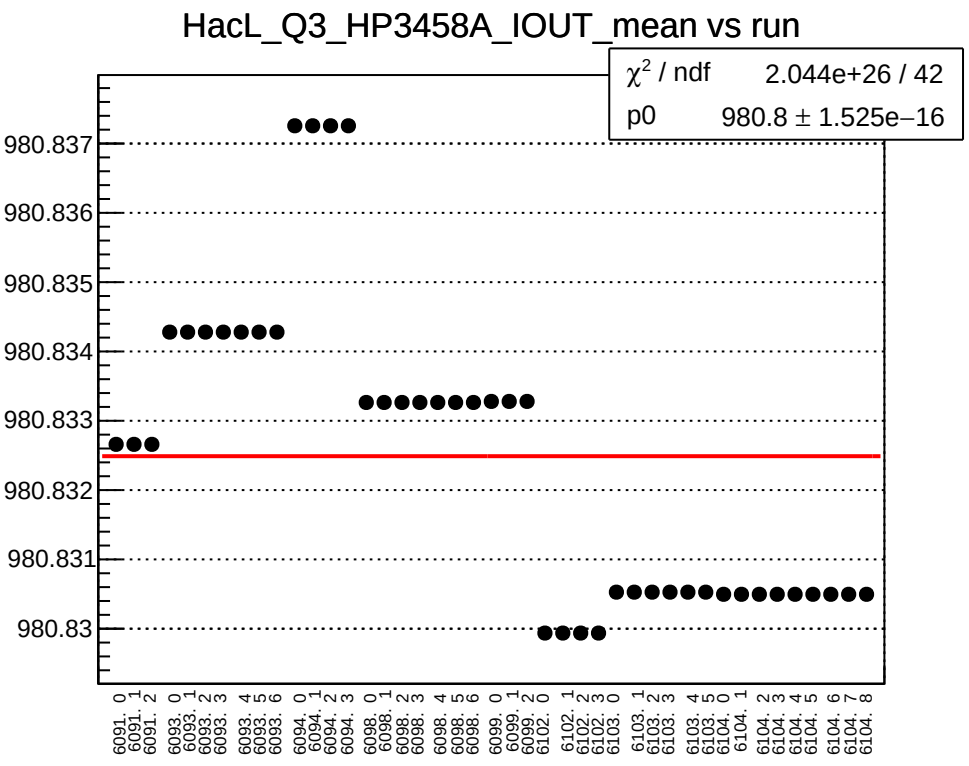

HALLA_dpp_mean vs run
×10⁻³
χ² / ndf 1.255e+23 / 42
p0 −3.219e−05 ± 1.525e−16
0
−0.02
−0.04
−0.06
−0.08
−0.1
−0.12
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
×10⁹
pull
Entries 43
Mean 3.185e+08
Std Dev 0
40
20
0
−20
−40
−60
−80
pull1D
Entries 43
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

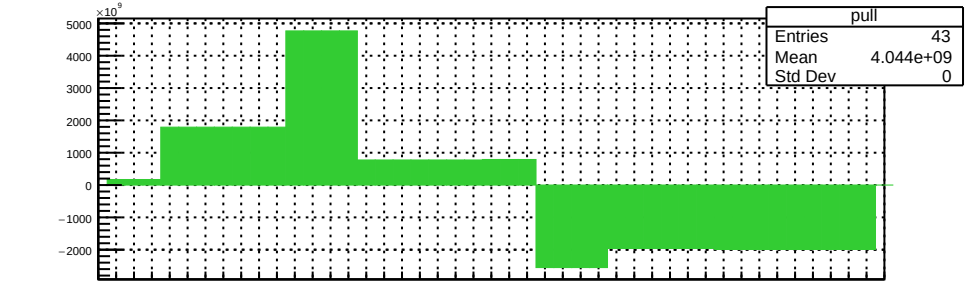

MQ171LM_mean vs run
χ² / ndf 0.0001294 / 42
p0 0.009375 ± 1.525e−16
×10⁻³
9.375
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 21.5
Std Dev 12.41
pull1D
Entries 43
Mean −0.001735
Std Dev 0

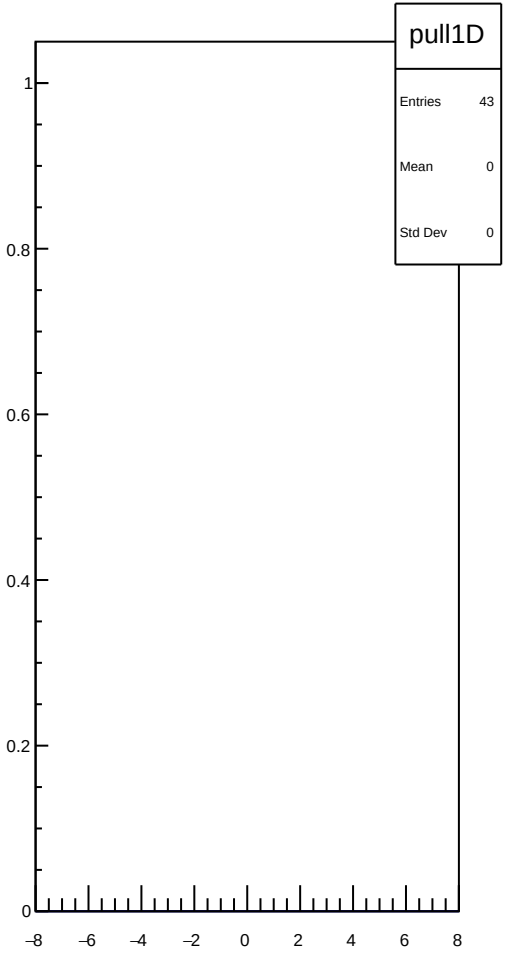

HacL_Q2_HP3458A_IOUT_mean vs run
χ² / ndf 1.43e+27 / 42
p0 931.7 ± 1.525e−16
931.72
931.715
931.71
931.705
931.7
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
×10⁹
6000
4000
2000
0
−2000
−4000
−6000
−8000
−10000
pull
Entries 43
Mean 2.909e+08
Std Dev 0

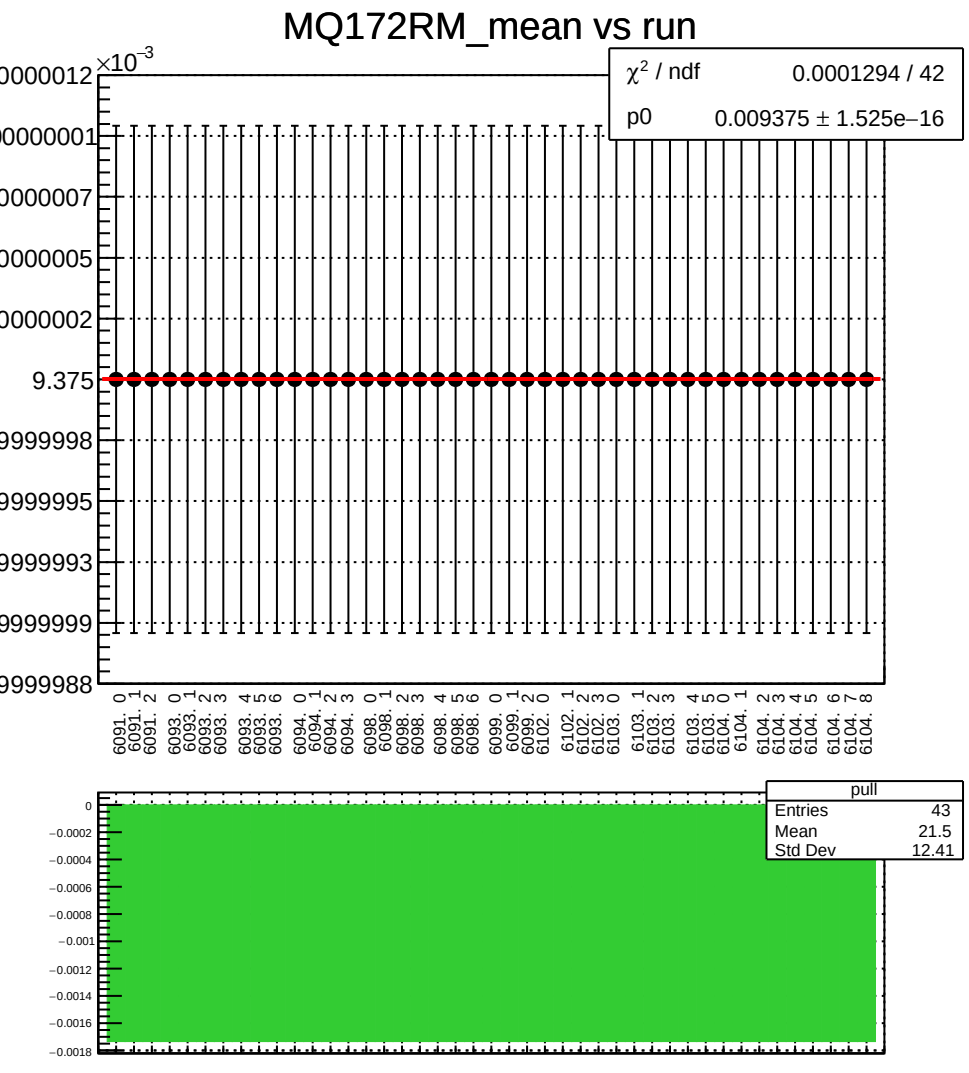

pull1D
Entries 43
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

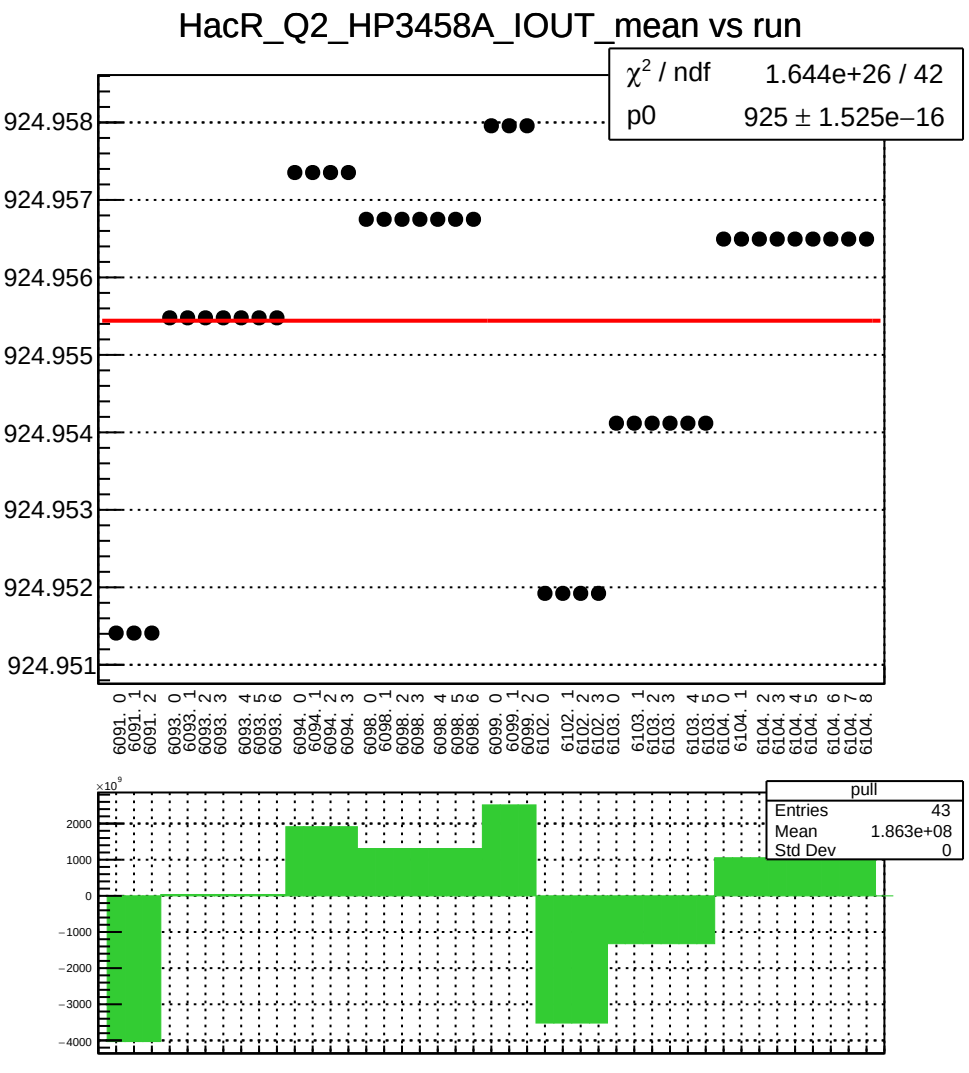

HacL_D1_HP3458A_IOUT_mean vs run
χ² / ndf 7.695e+27 / 42
p0 741.5 ± 1.525e−16
741.55
741.54
741.53
741.52
741.51
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
×10¹²
20
15
10
5
0
−5
−10
−15
−20
pull
Entries 43
Mean −6.75e+08
Std Dev 0
pull1D
Entries 43
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

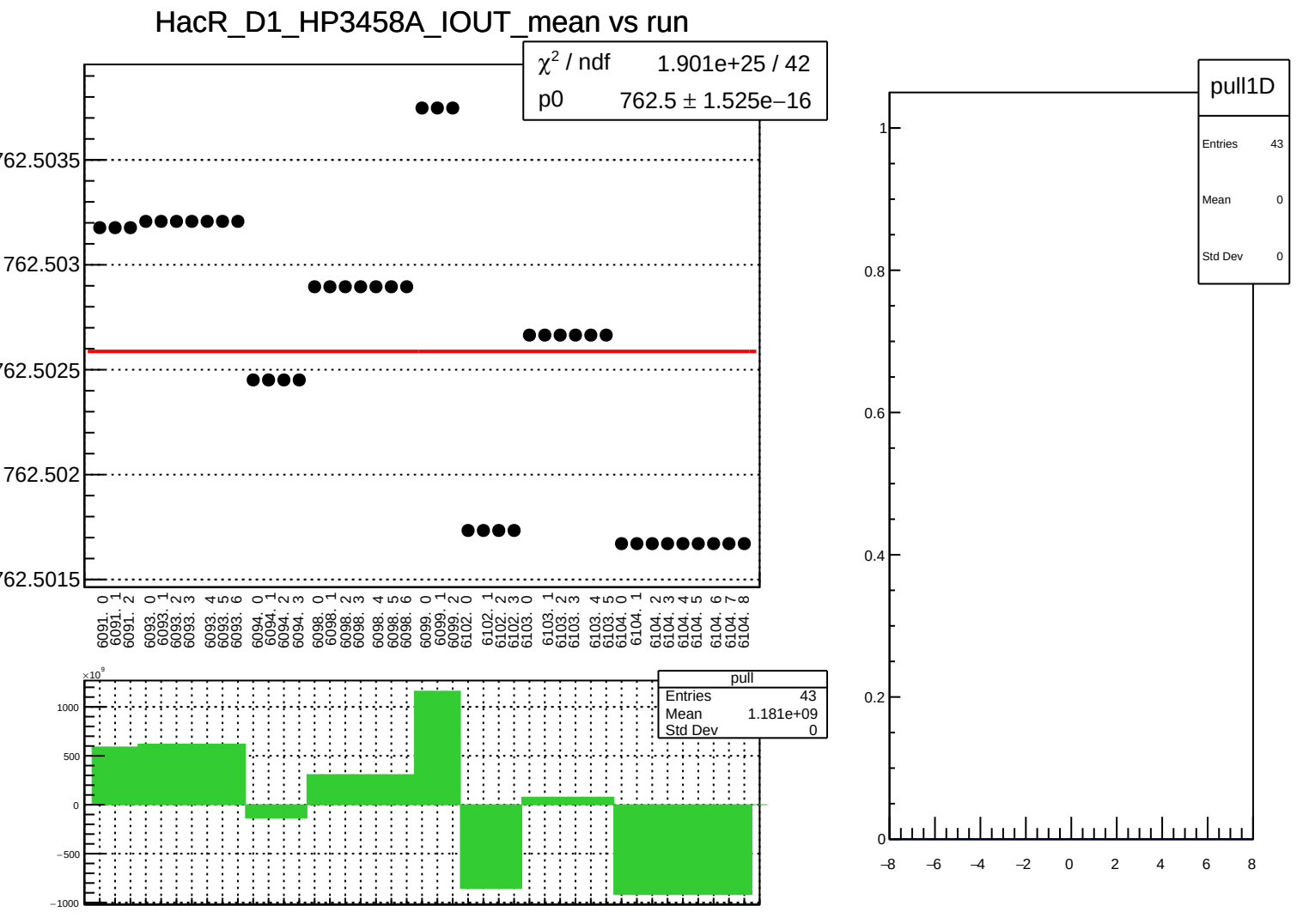

HacL_Q3_HP3458A_IOUT_mean vs run
χ² / ndf 2.044e+26 / 42
p0 980.8 ± 1.525e−16
980.837
980.836
980.835
980.834
980.833
980.832
980.831
980.83
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8

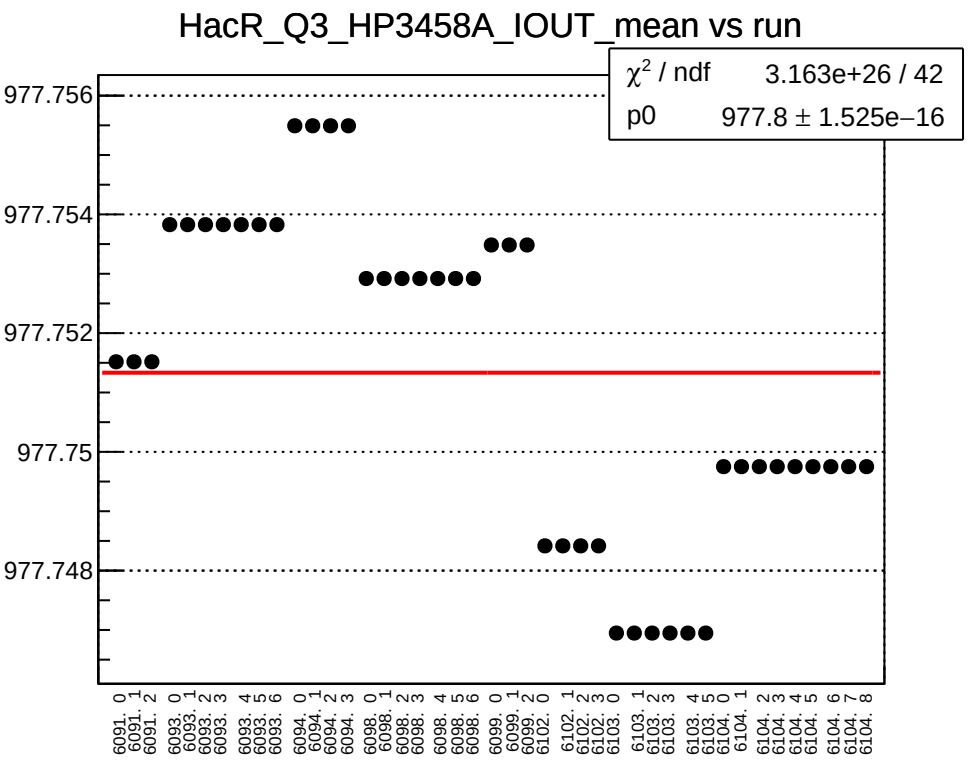

×10⁹
5000
4000
3000
2000
1000
0
−1000
−2000
pull
Entries 43
Mean 4.044e+09
Std Dev 0

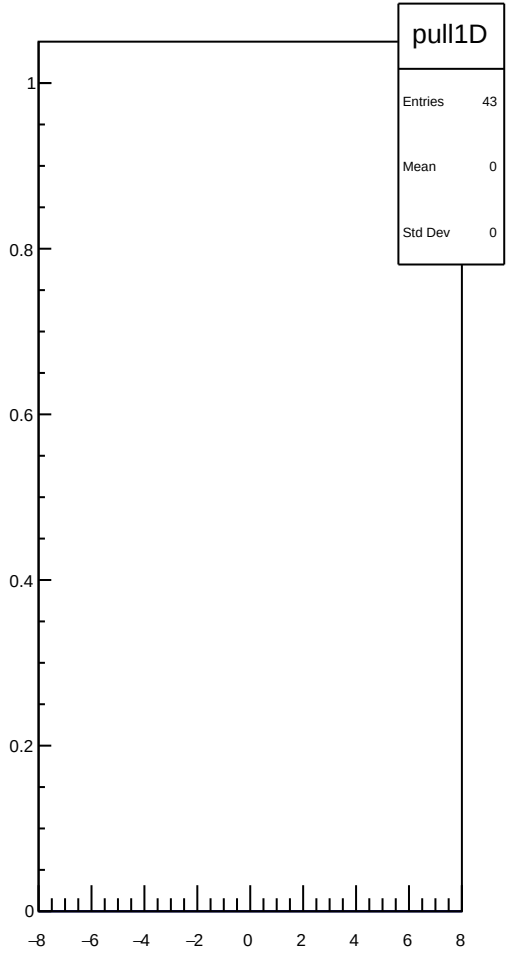

pull1D
Entries 43
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

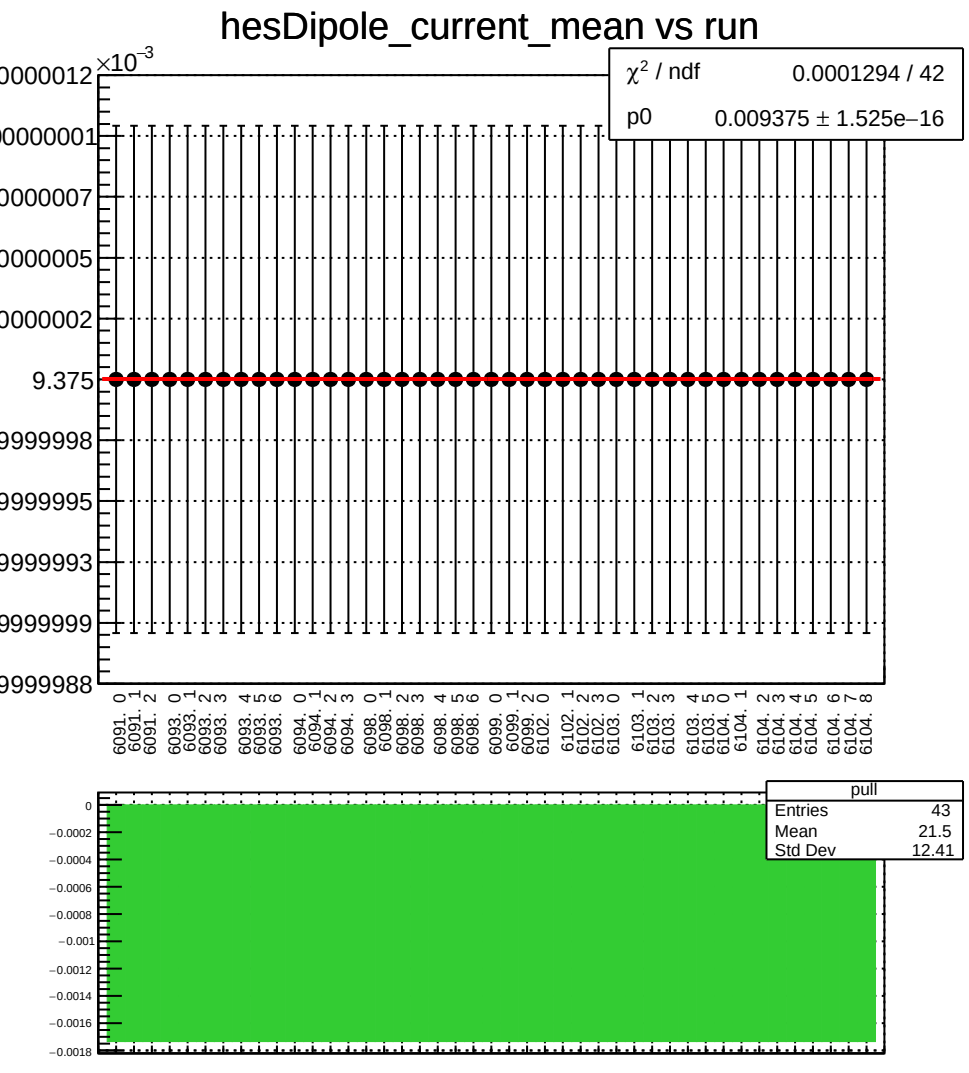

MQ172RM_mean vs run
χ² / ndf 0.0001294 / 42
p0 0.009375 ± 1.525e−16
×10⁻³
9.375
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 21.5
Std Dev 12.41
pull1D
Entries 43
Mean −0.001735
Std Dev 0

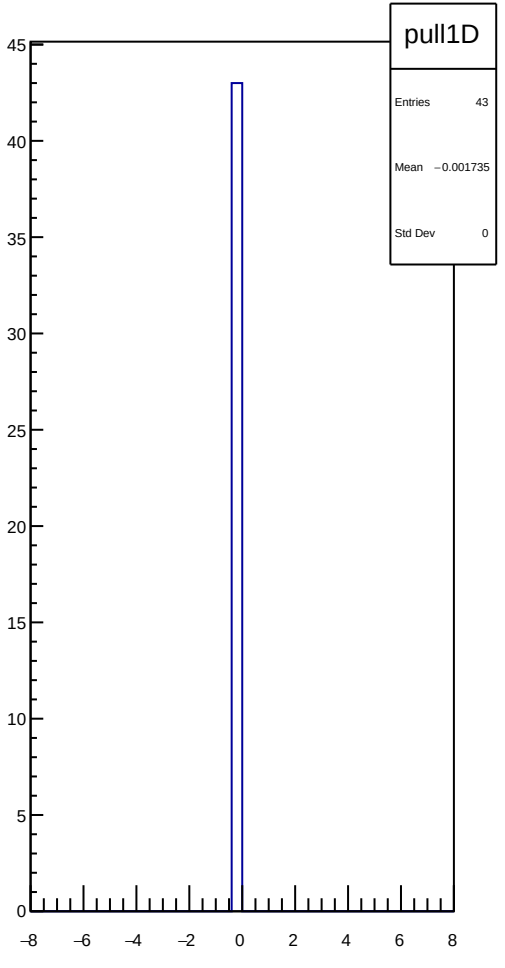

HacR_Q2_HP3458A_IOUT_mean vs run
χ² / ndf 1.644e+26 / 42
p0 925 ± 1.525e−16
924.958
924.957
924.956
924.955
924.954
924.953
924.952
924.951
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
×10⁹
2000
1000
0
−1000
−2000
−3000
−4000
pull
Entries 43
Mean 1.863e+08
Std Dev 0
pull1D
Entries 43
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

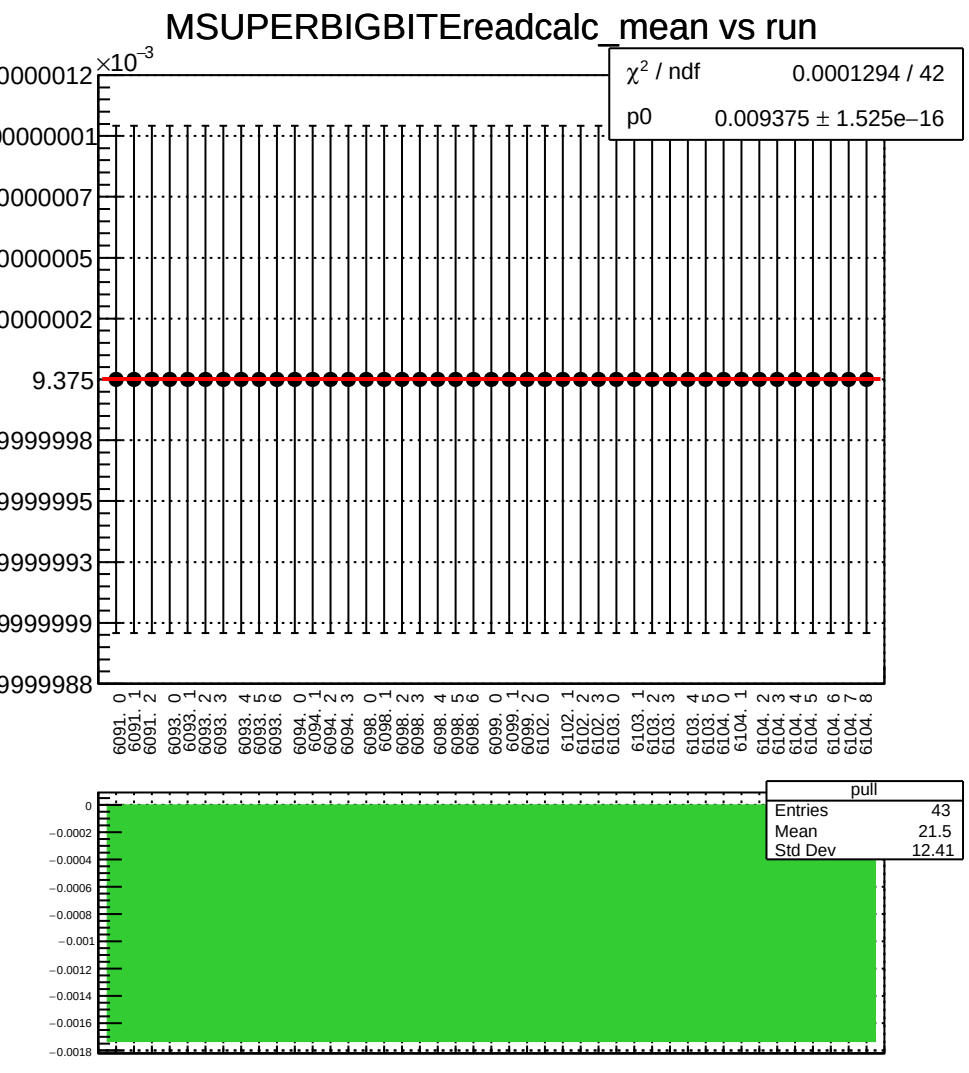

HacR_D1_HP3458A_IOUT_mean vs run
χ² / ndf 1.901e+25 / 42
p0 762.5 ± 1.525e−16
762.5035
762.503
762.5025
762.502
762.5015
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
×10⁹
1000
500
0
−500
−1000
pull
Entries 43
Mean 1.181e+09
Std Dev 0
pull1D
Entries 43
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

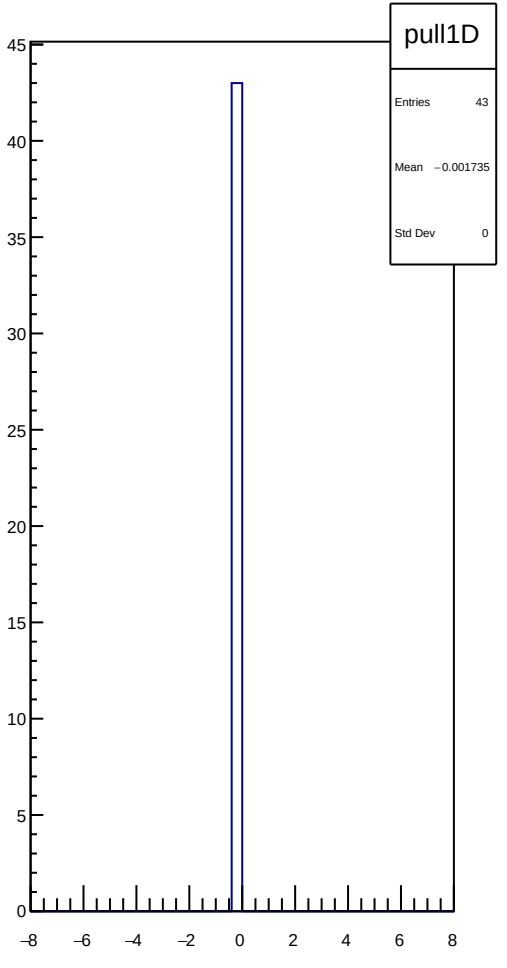

HacR_Q3_HP3458A_IOUT_mean vs run
χ² / ndf 3.163e+26 / 42
p0 977.8 ± 1.525e−16
977.756
977.754
977.752
977.75
977.748
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
×10⁹
4000
3000
2000
1000
0
−1000
−2000
−3000
−4000
pull
Entries 43
Mean 4.017e+08
Std Dev 0

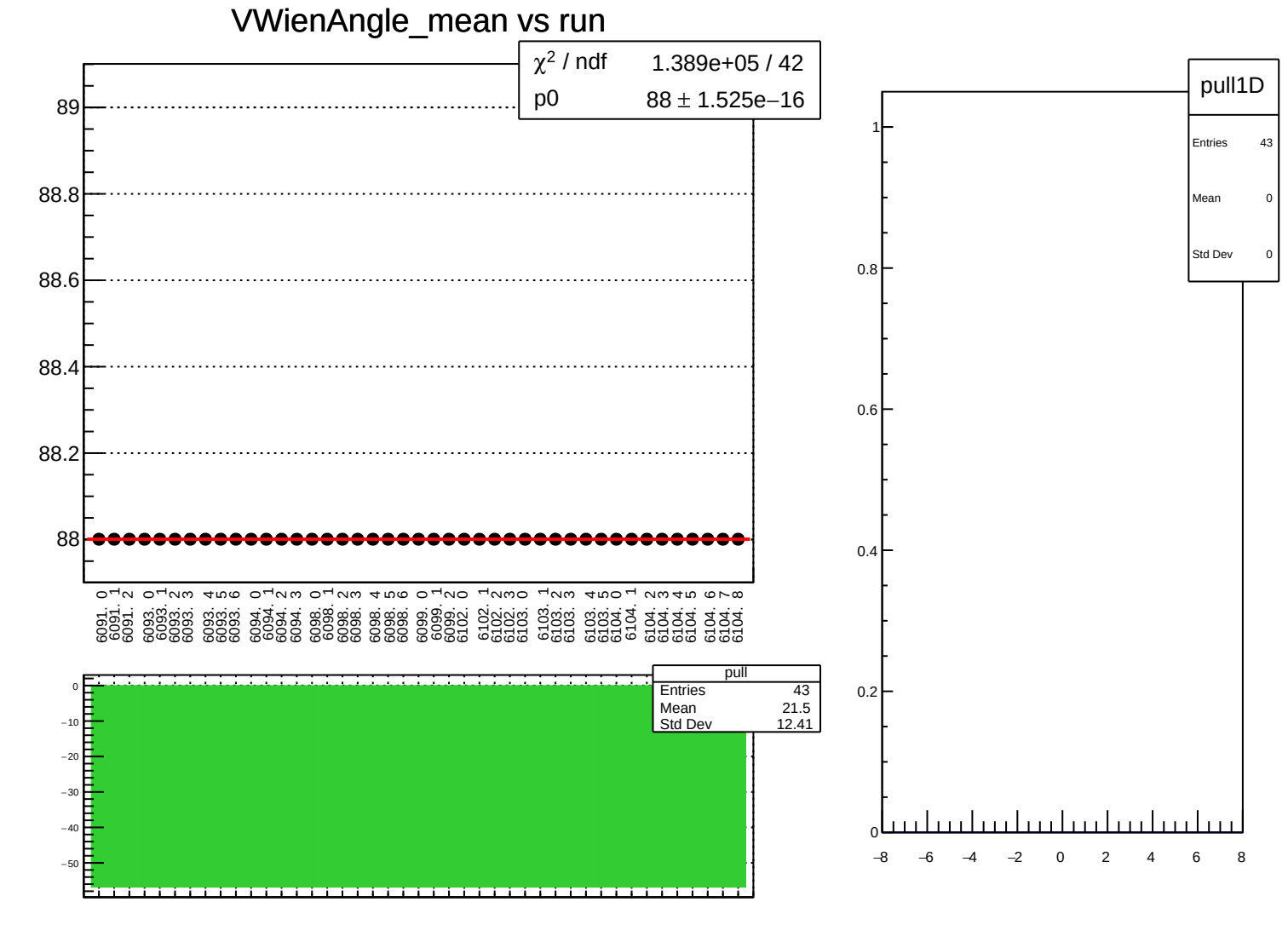

pull1D
Entries 43
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

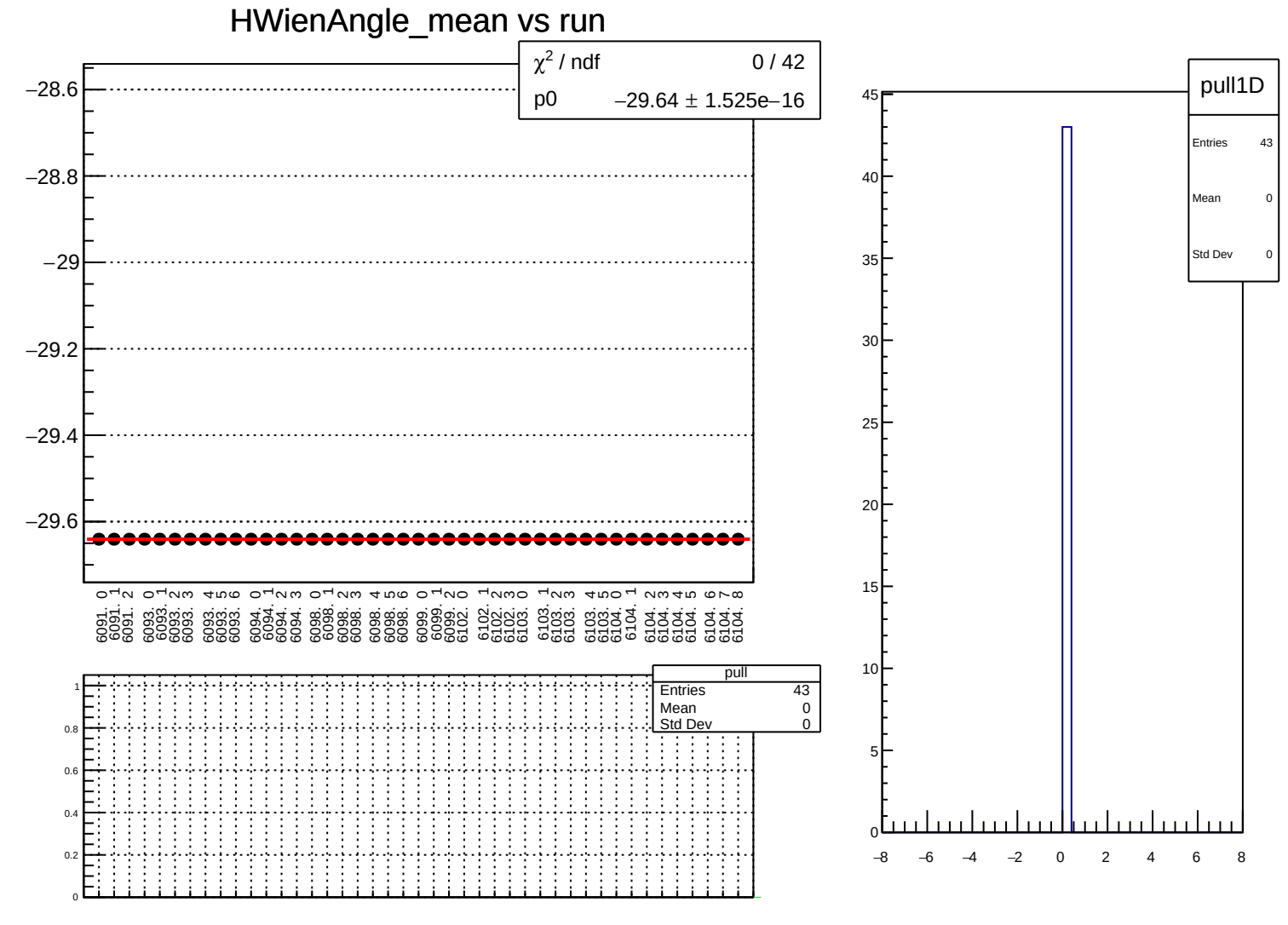

hesDipole_current_mean vs run
χ² / ndf 0.0001294 / 42
p0 0.009375 ± 1.525e−16
×10⁻³
pull
Entries 43
Mean 21.5
Std Dev 12.41

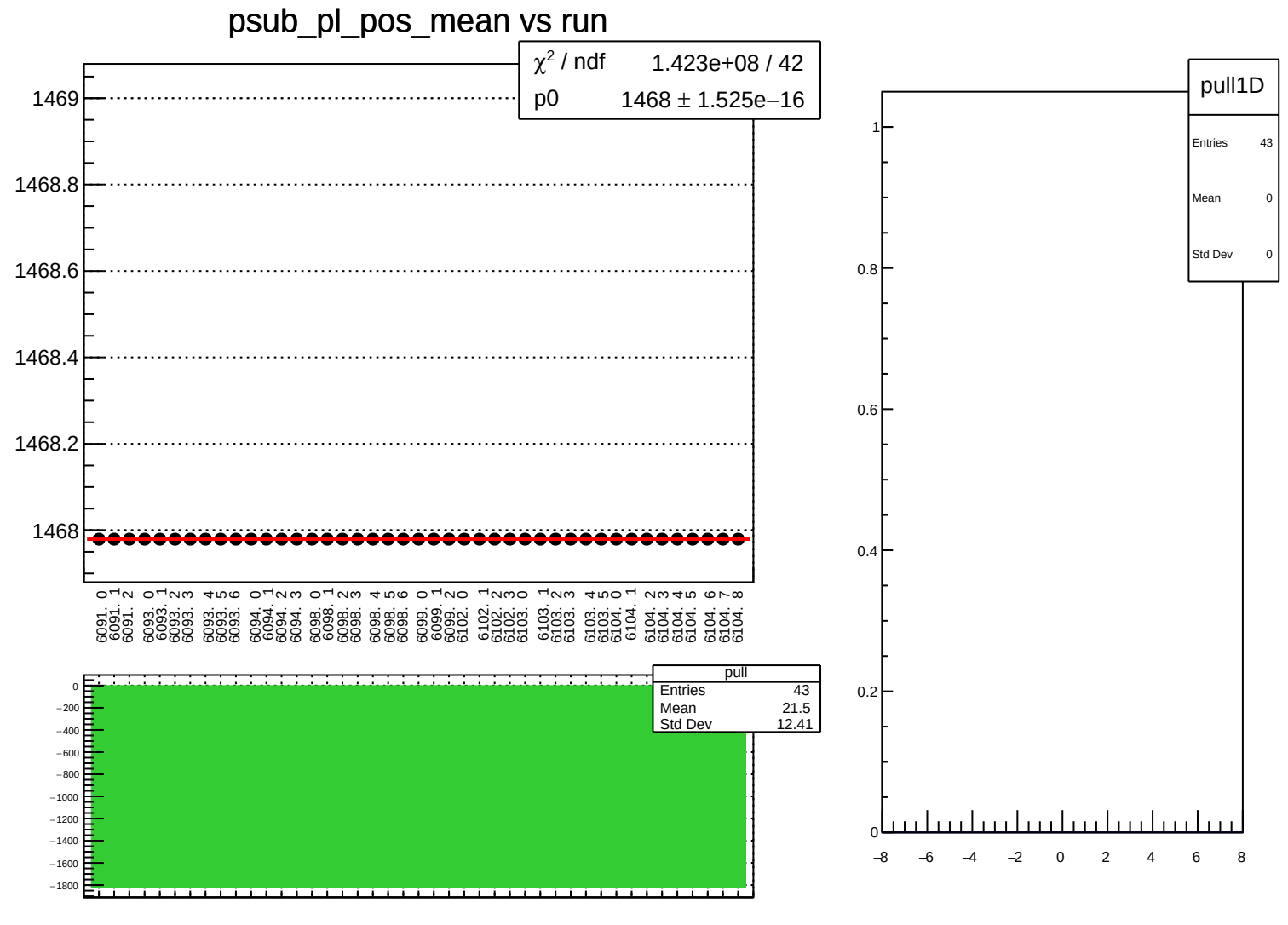

pull1D
Entries 43
Mean −0.001735
Std Dev 0

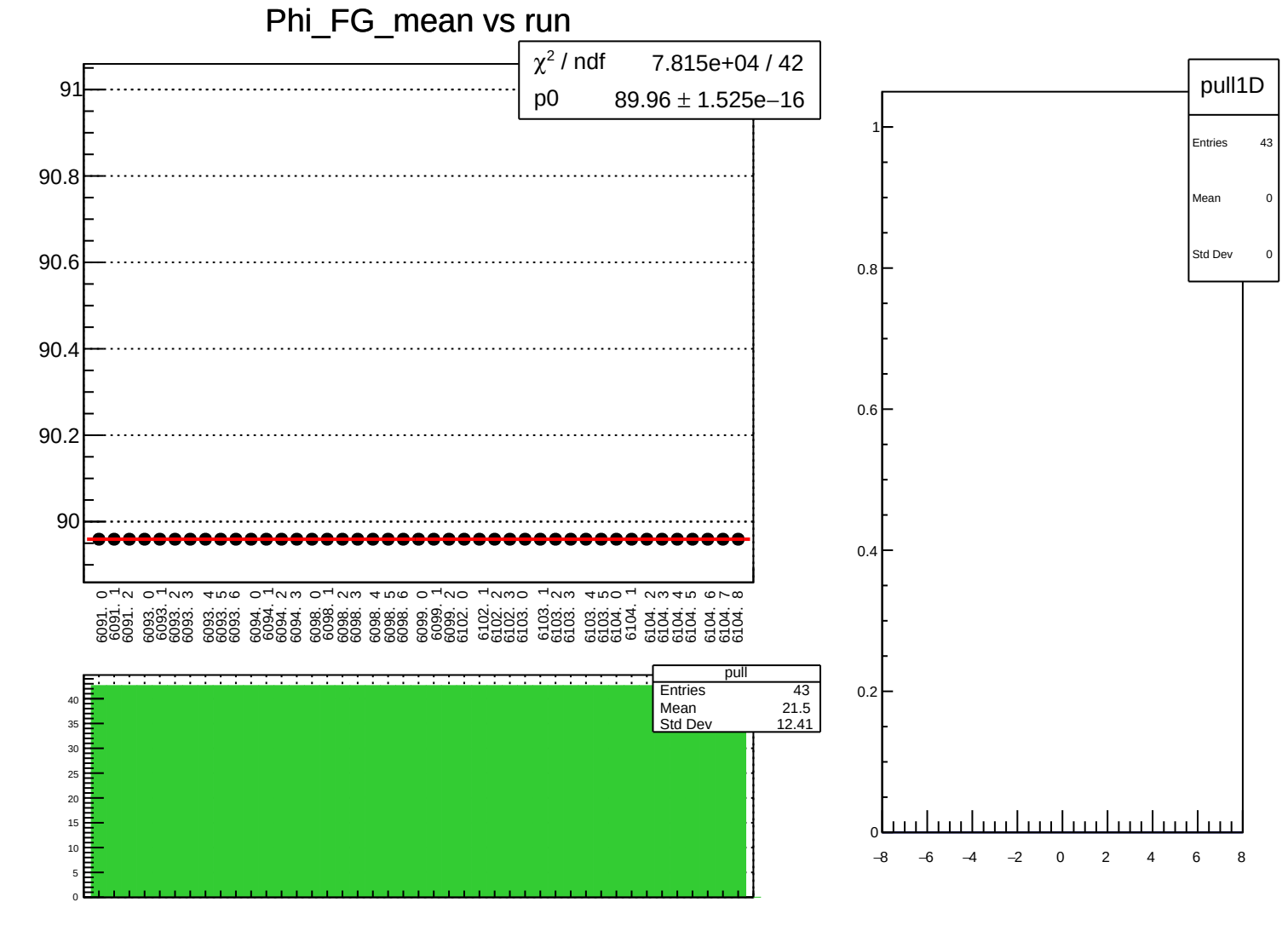

MSUPERBIGBITEreadcalc_mean vs run
χ² / ndf 0.0001294 / 42
p0 0.009375 ± 1.525e−16
×10⁻³
pull
Entries 43
Mean 21.5
Std Dev 12.41

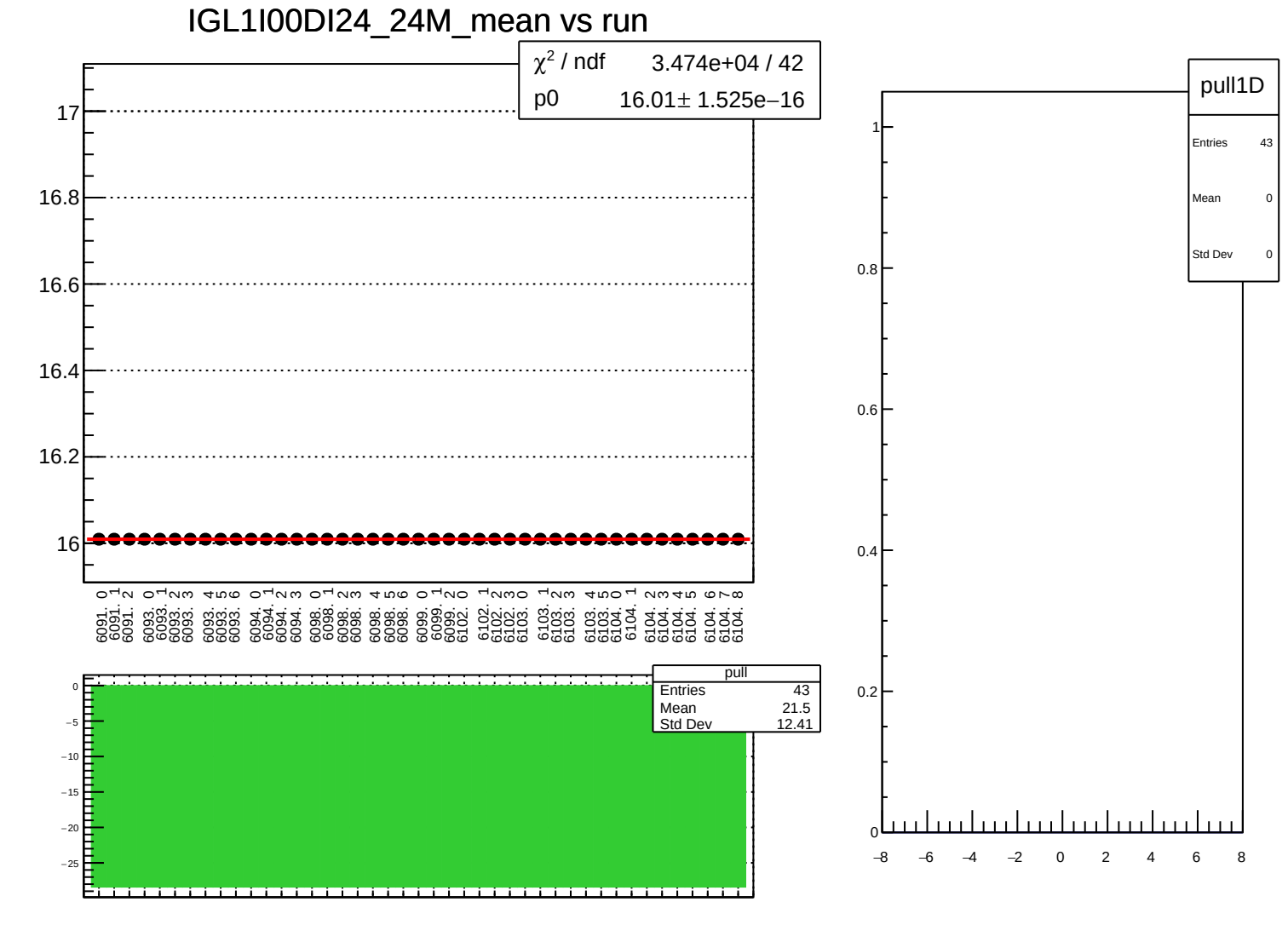

pull1D
Entries 43
Mean −0.001735
Std Dev 0

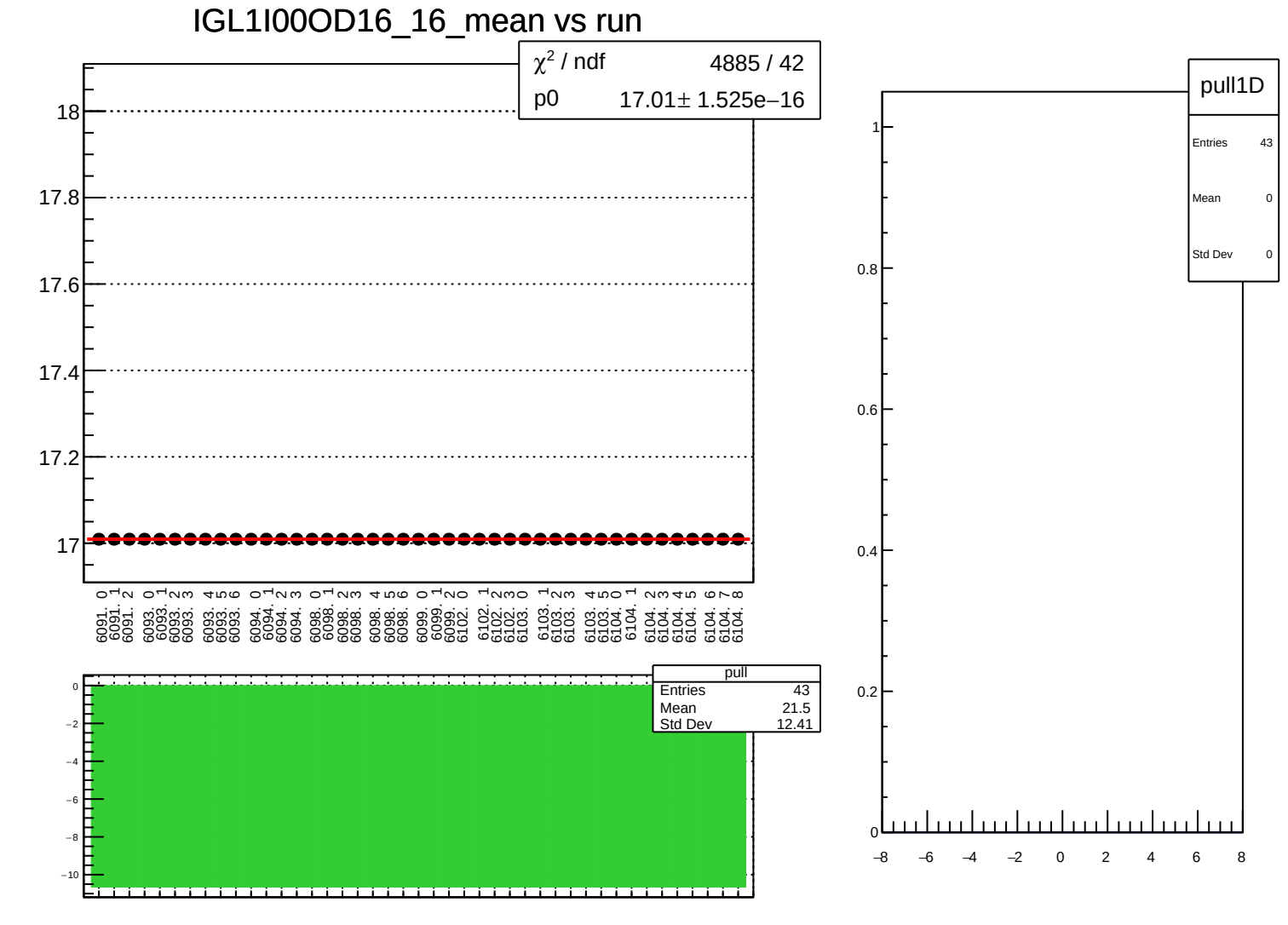

VWienAngle_mean vs run
χ² / ndf 1.389e+05 / 42
p0 88 ± 1.525e−16
89
88.8
88.6
88.4
88.2
88
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 21.5
Std Dev 12.41
0
−10
−20
−30
−40
−50
pull1D
Entries 43
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

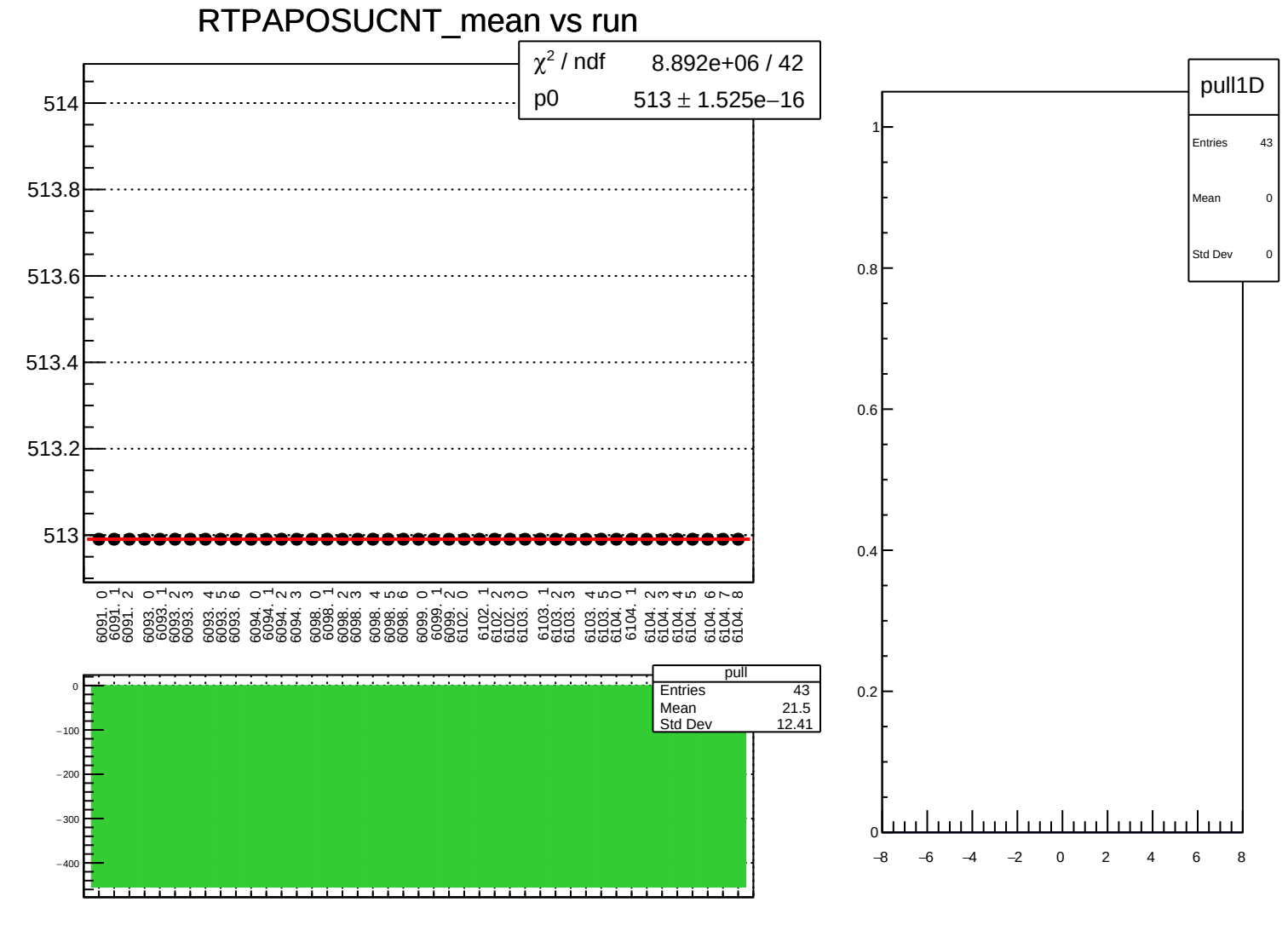

HWienAngle_mean vs run
χ² / ndf 0 / 42
p0 −29.64 ± 1.525e−16
−28.6
−28.8
−29
−29.2
−29.4
−29.6
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
pull1D
Entries 43
Mean 0
Std Dev 0
45
40
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

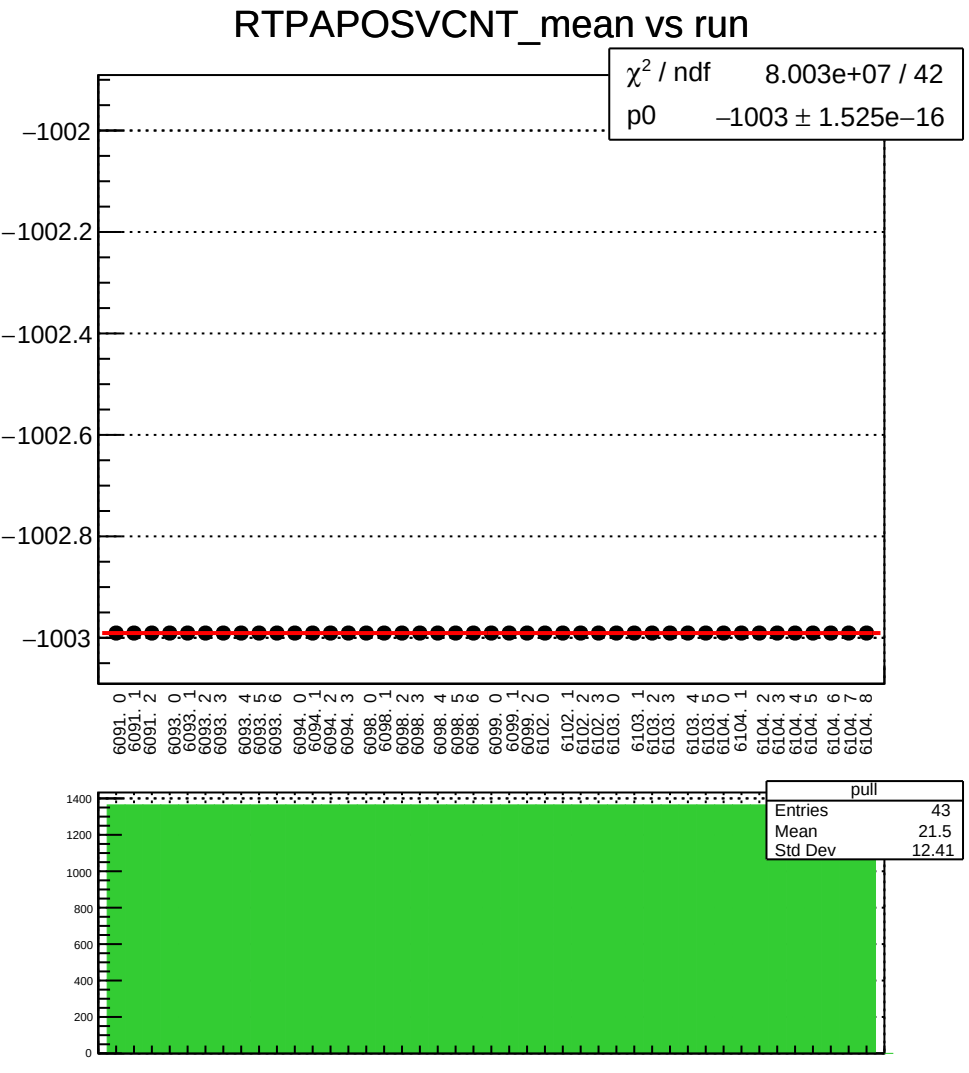

psub_pl_pos_mean vs run
χ² / ndf 1.423e+08 / 42
p0 1468 ± 1.525e−16
1469
1468.8
1468.6
1468.4
1468.2
1468
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 21.5
Std Dev 12.41
0
−200
−400
−600
−800
−1000
−1200
−1400
−1600
−1800
pull1D
Entries 43
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

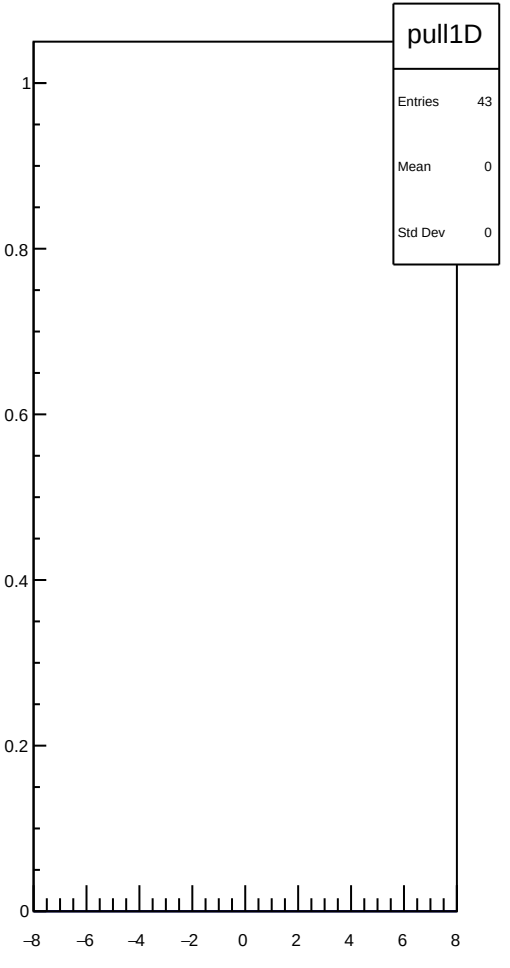

Phi_FG_mean vs run
χ² / ndf 7.815e+04 / 42
p0 89.96 ± 1.525e−16
91
90.8
90.6
90.4
90.2
90
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 21.5
Std Dev 12.41
40
35
30
25
20
15
10
5
0
pull1D
Entries 43
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

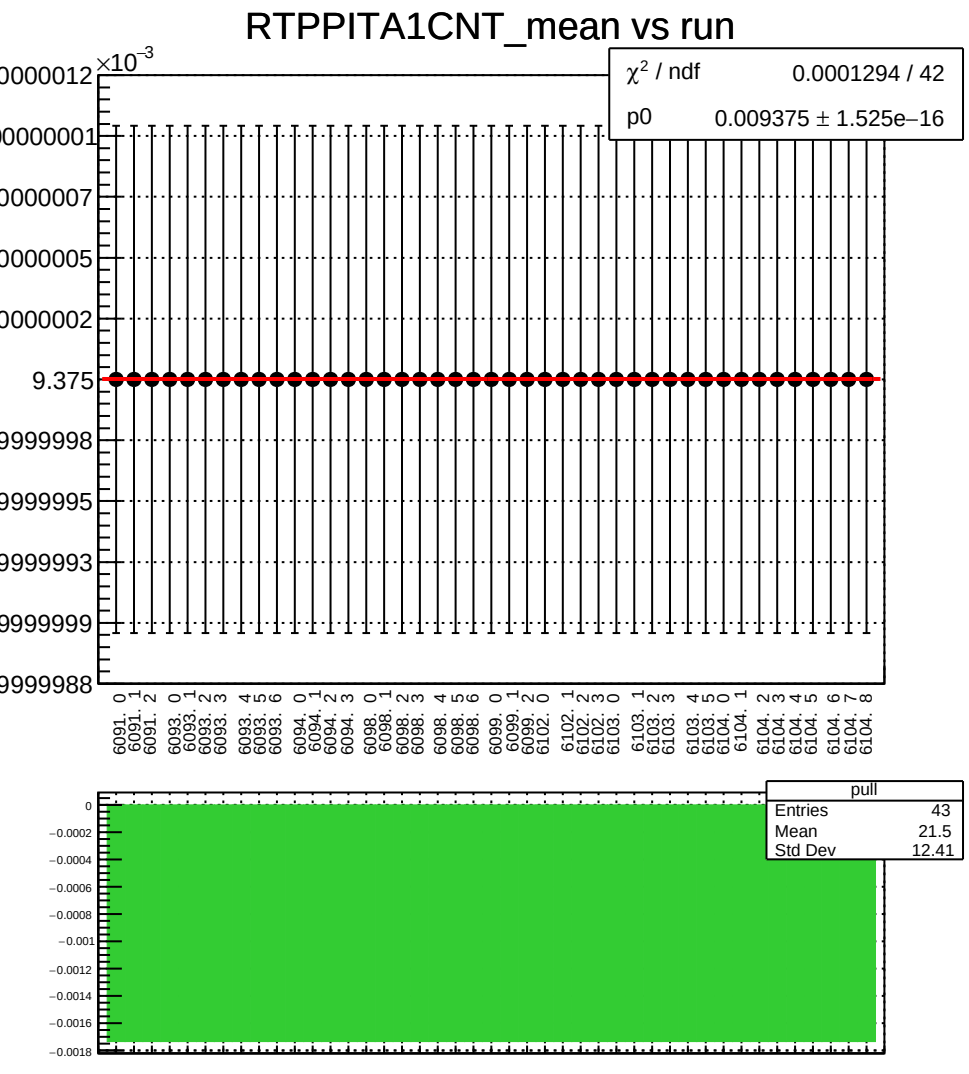

IGL1I00DI24_24M_mean vs run
χ² / ndf 3.474e+04 / 42
p0 16.01± 1.525e−16
17
16.8
16.6
16.4
16.2
16
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 21.5
Std Dev 12.41
0
−5
−10
−15
−20
−25
pull1D
Entries 43
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

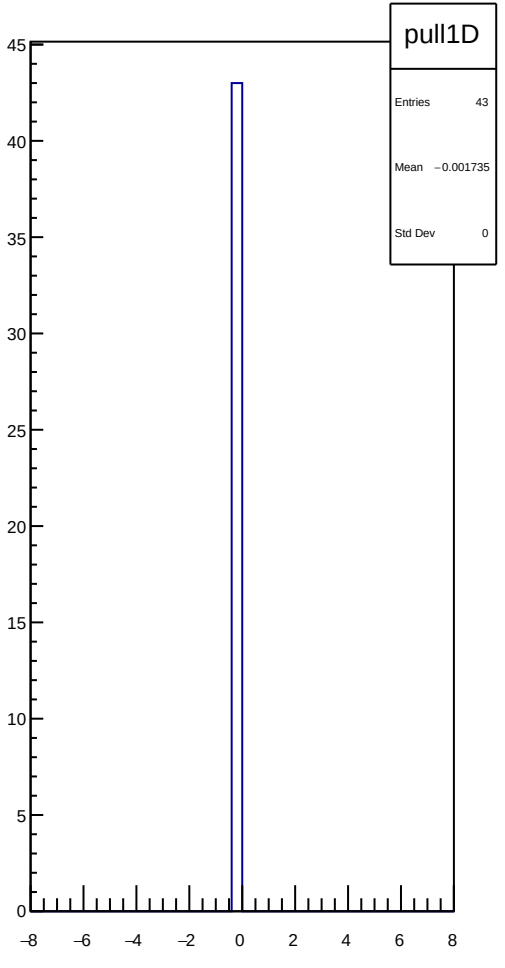

IGL1I00OD16_16_mean vs run
χ² / ndf 4885 / 42
p0 17.01± 1.525e−16
18
17.8
17.6
17.4
17.2
17
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 21.5
Std Dev 12.41
0
−2
−4
−6
−8
−10
pull1D
Entries 43
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

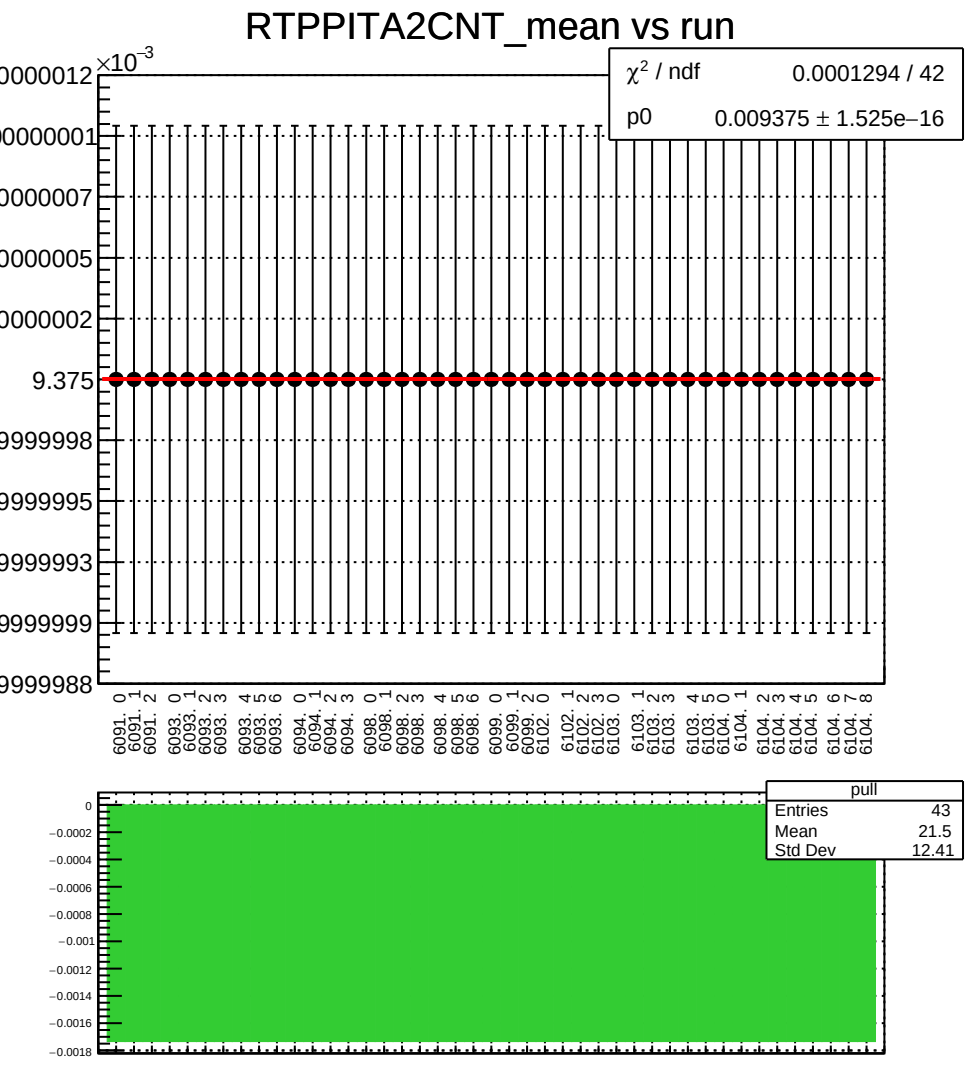

RTPAPOSUCNT_mean vs run
χ² / ndf 8.892e+06 / 42
p0 513 ± 1.525e−16
514
513.8
513.6
513.4
513.2
513
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 21.5
Std Dev 12.41
0
−100
−200
−300
−400
pull1D
Entries 43
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

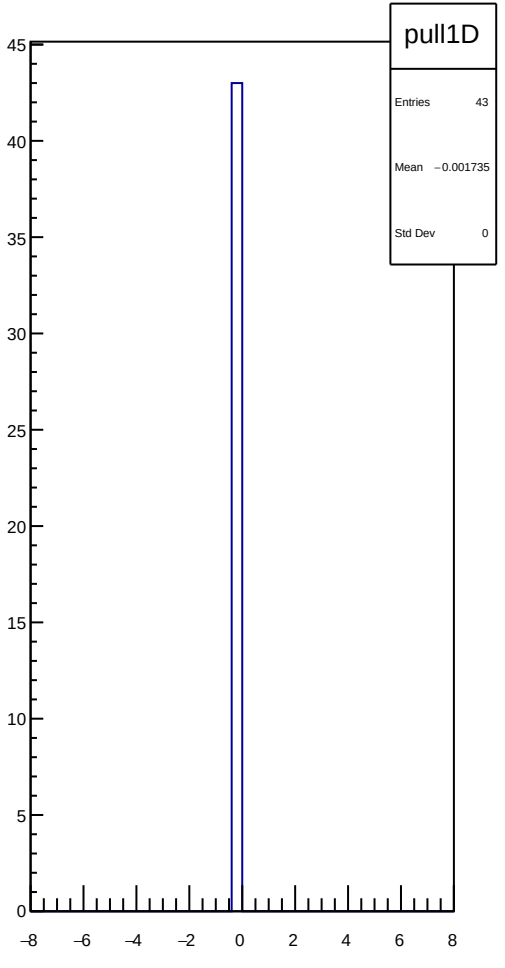

RTPAPOSVCNT_mean vs run
χ² / ndf 8.003e+07 / 42
p0 −1003 ± 1.525e−16
−1002
−1002.2
−1002.4
−1002.6
−1002.8
−1003
6091. 0
6091. 1
6091. 2
6093. 0
6093. 1
6093. 2
6093. 3
6093. 4
6093. 5
6093. 6
6094. 0
6094. 1
6094. 2
6094. 3
6098. 0
6098. 1
6098. 2
6098. 3
6098. 4
6098. 5
6098. 6
6099. 0
6099. 1
6099. 2
6102. 0
6102. 1
6102. 2
6102. 3
6103. 0
6103. 1
6103. 2
6103. 3
6103. 4
6103. 5
6104. 0
6104. 1
6104. 2
6104. 3
6104. 4
6104. 5
6104. 6
6104. 7
6104. 8
pull
Entries 43
Mean 21.5
Std Dev 12.41
1400
1200
1000
800
600
400
200
0


pull1D
Entries 43
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8


RTPPITA1CNT_mean vs run
χ² / ndf 0.0001294 / 42
p0 0.009375 ± 1.525e−16
×10⁻³
pull
Entries 43
Mean 21.5
Std Dev 12.41


pull1D
Entries 43
Mean −0.001735
Std Dev 0


RTPPITA2CNT_mean vs run
χ² / ndf 0.0001294 / 42
p0 0.009375 ± 1.525e−16
×10⁻³
pull
Entries 43
Mean 21.5
Std Dev 12.41


pull1D
Entries 43
Mean −0.001735
Std Dev 0