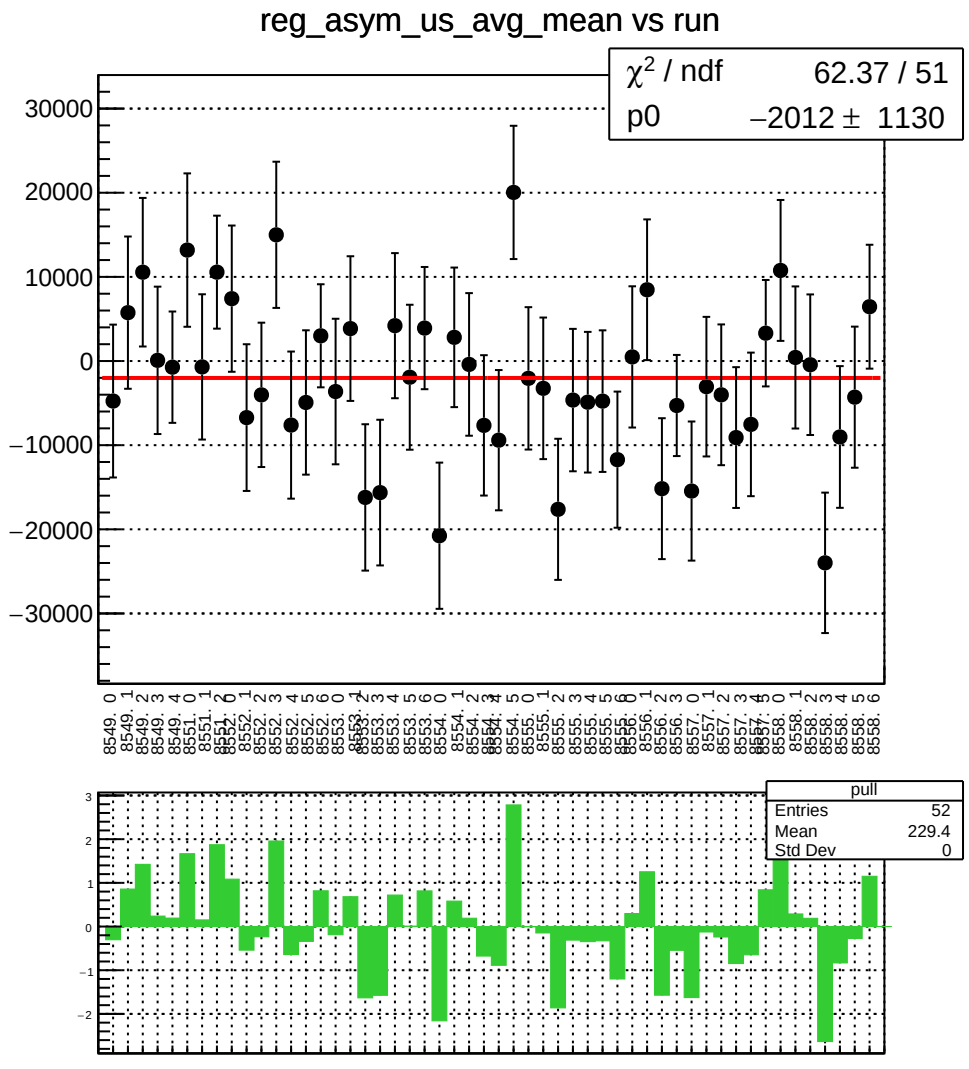
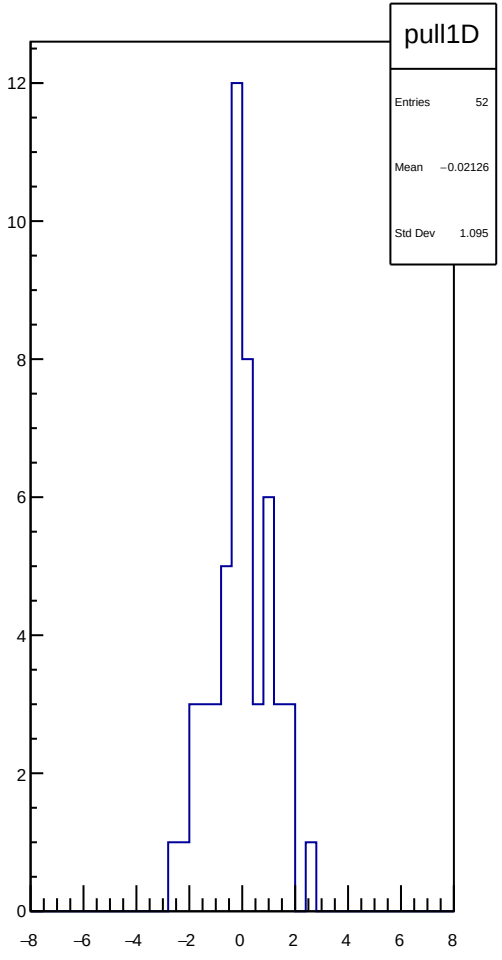
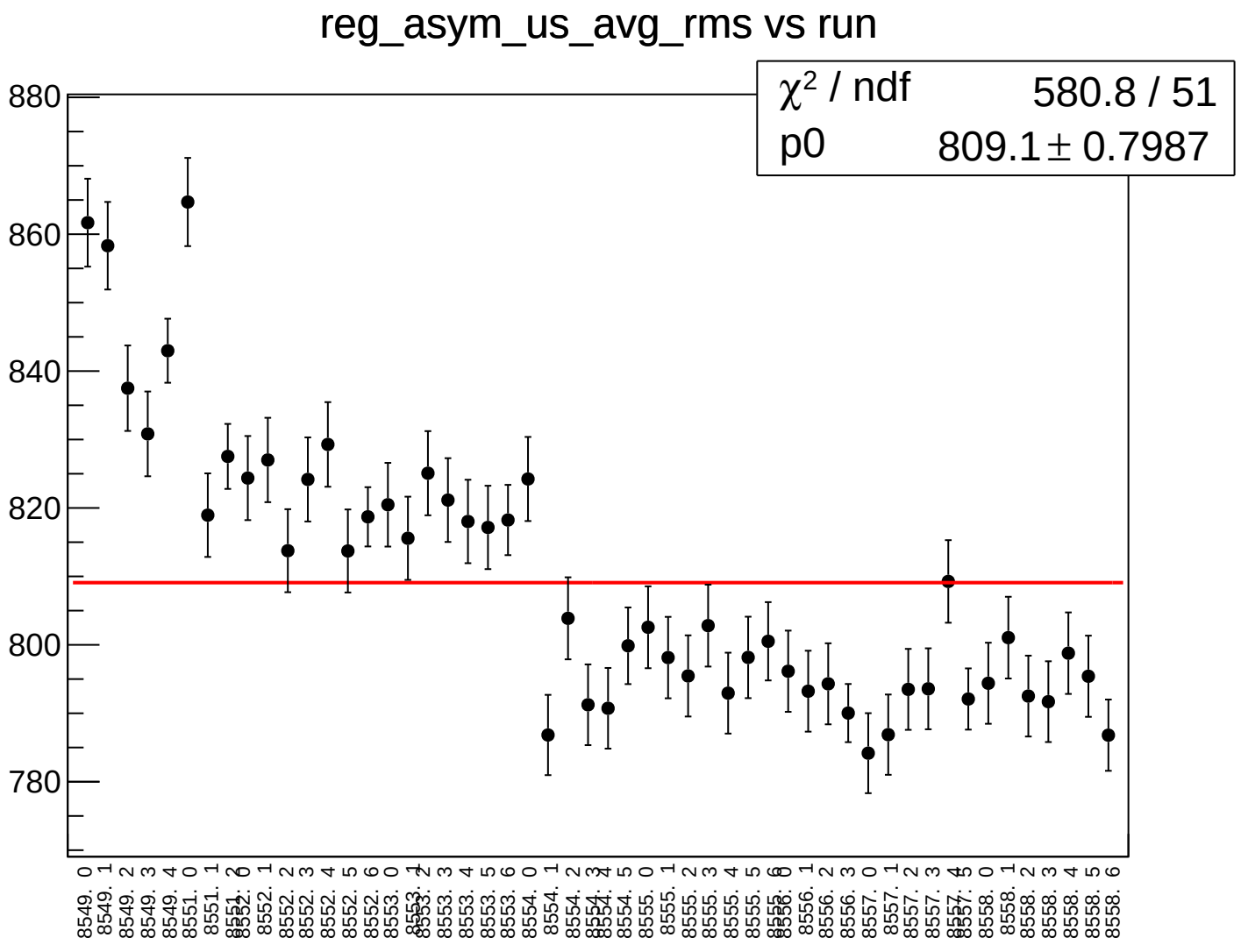

reg_asym_us_avg_mean vs run
χ² / ndf 62.37 / 51
p0 −2012 ± 1130
pull
Entries 52
Mean 229.4
Std Dev 0


pull1D
Entries 52
Mean −0.02126
Std Dev 1.095


reg_asym_us_avg_rms vs run
χ² / ndf 580.8 / 51
p0 809.1 ± 0.7987
880
860
840
820
800
780
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
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8557. 3
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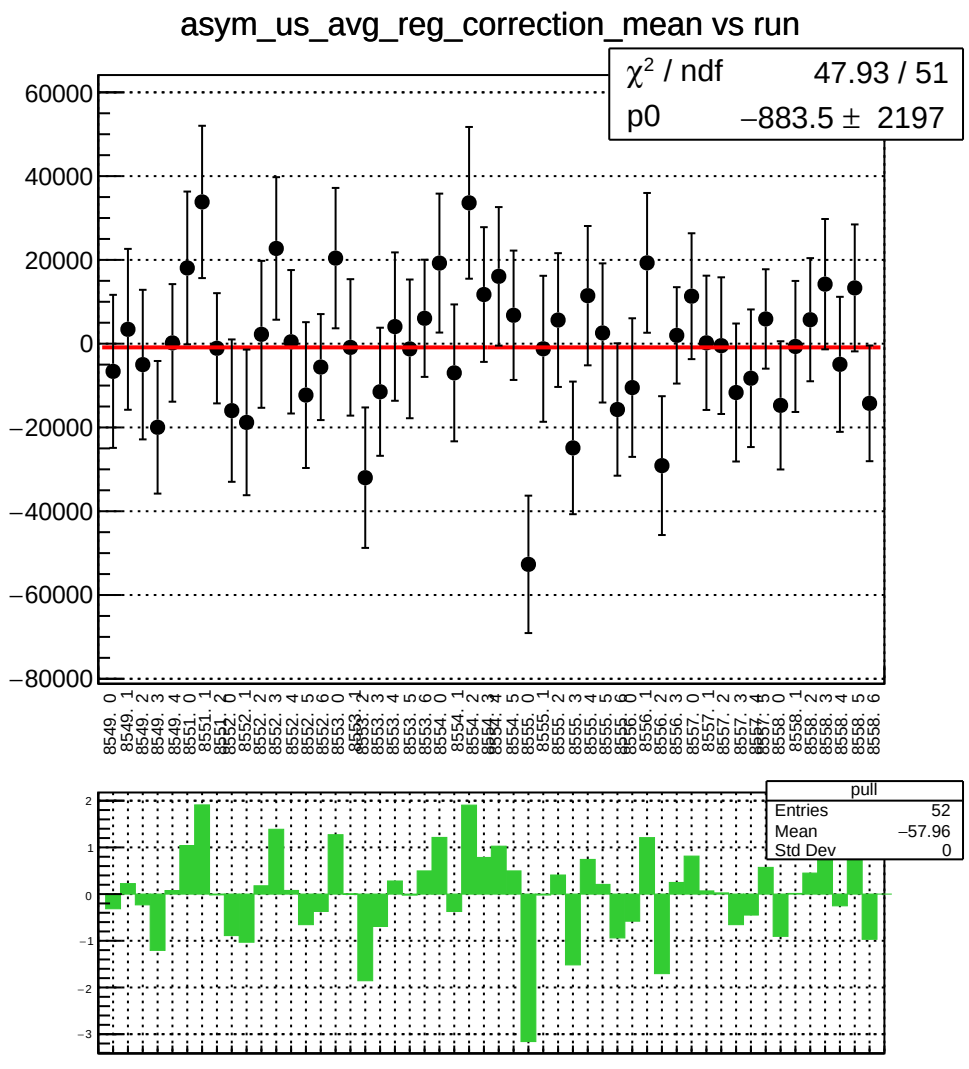
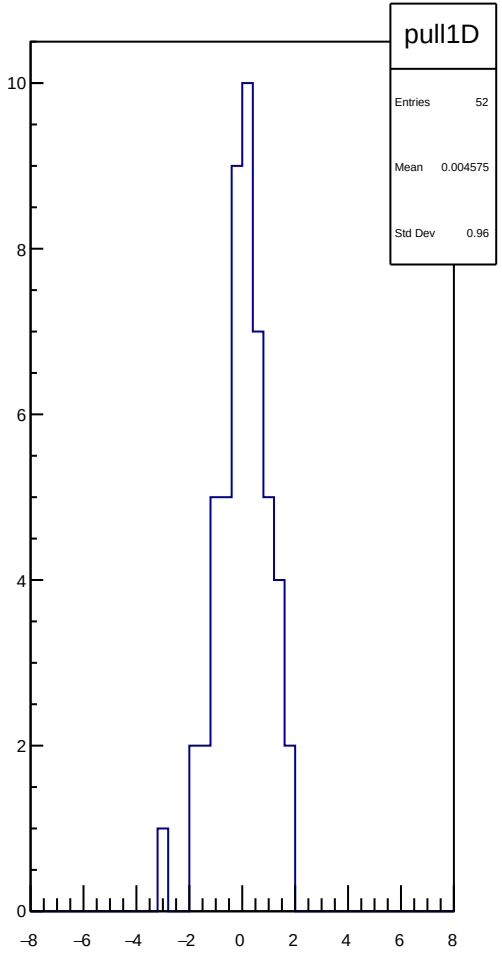
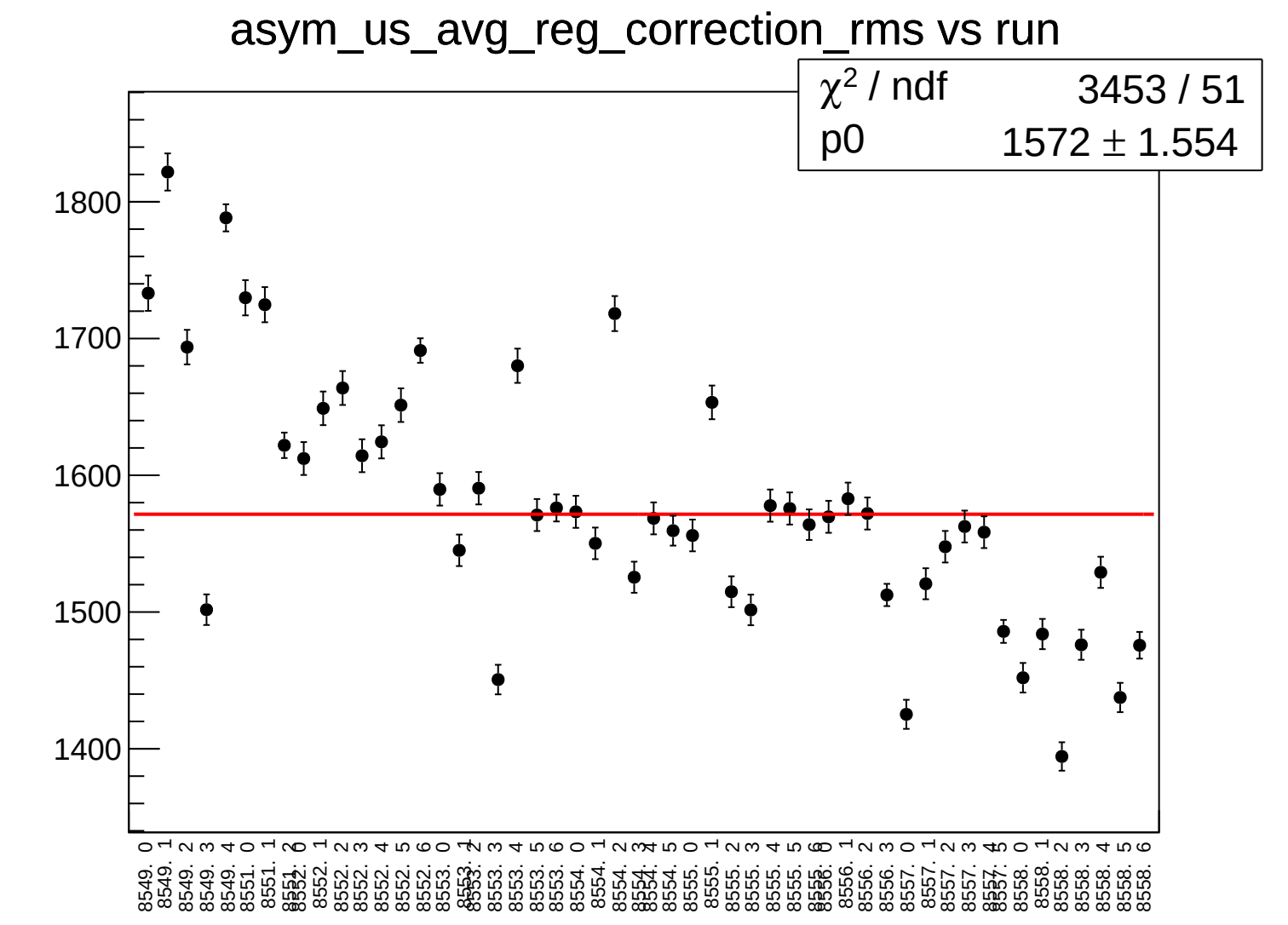
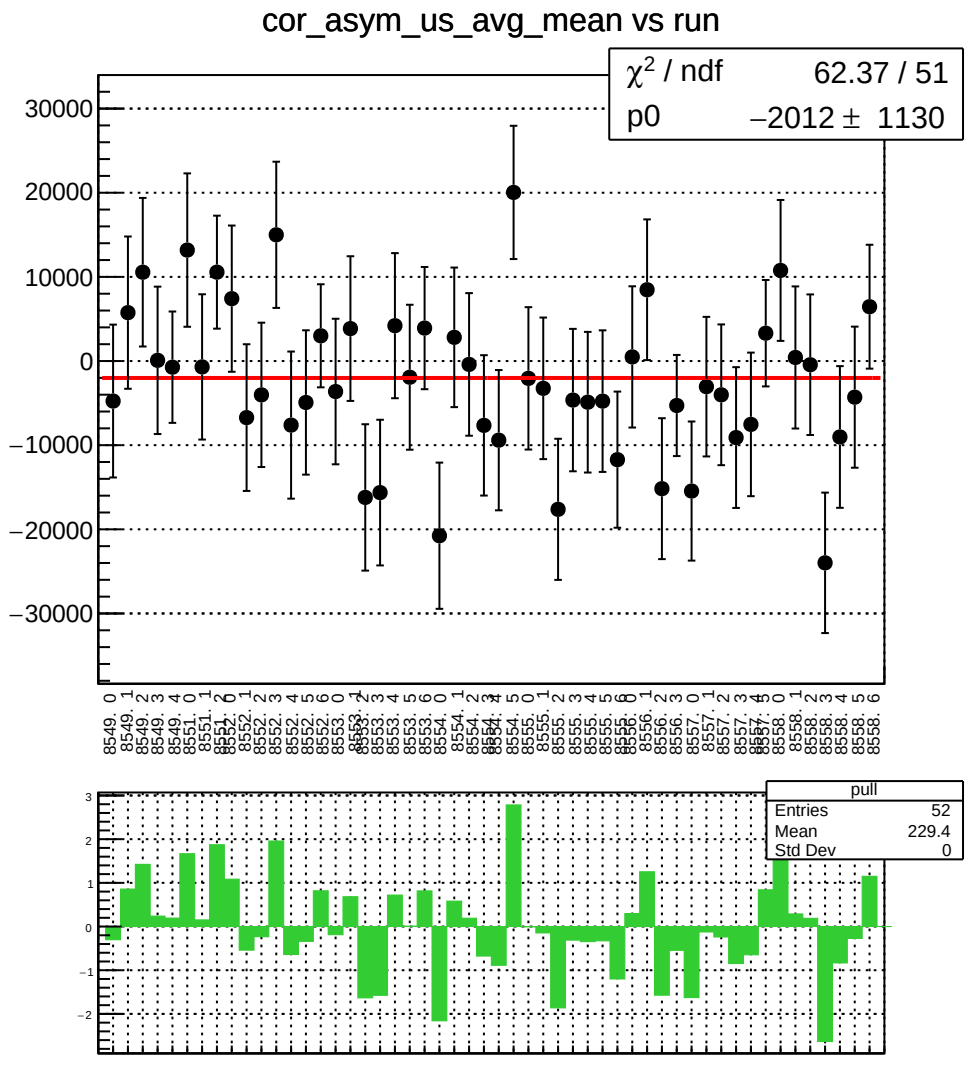
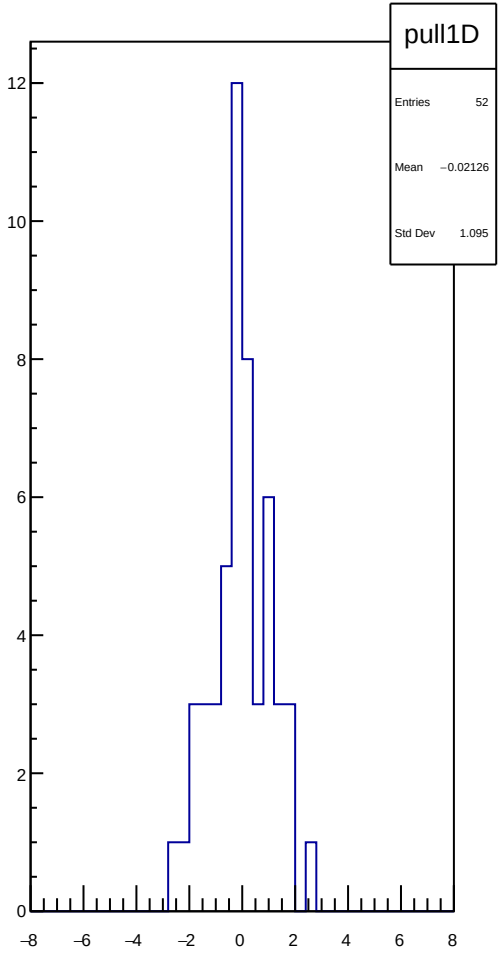
8558. 5
8558. 6

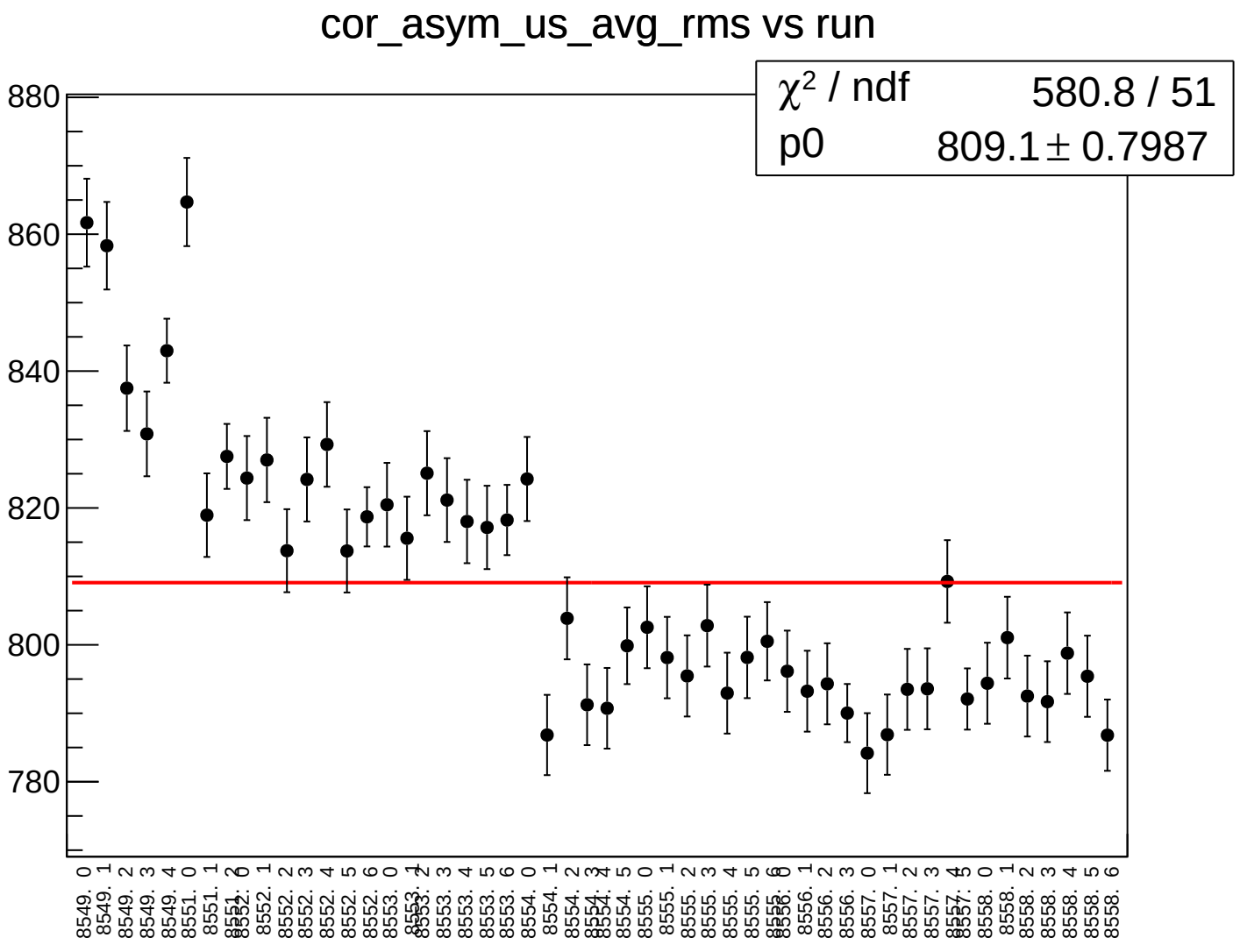

asym_us_avg_reg_correction_mean vs run
χ² / ndf 47.93 / 51
p0 −883.5 ± 2197
pull
Entries 52
Mean −57.96
Std Dev 0

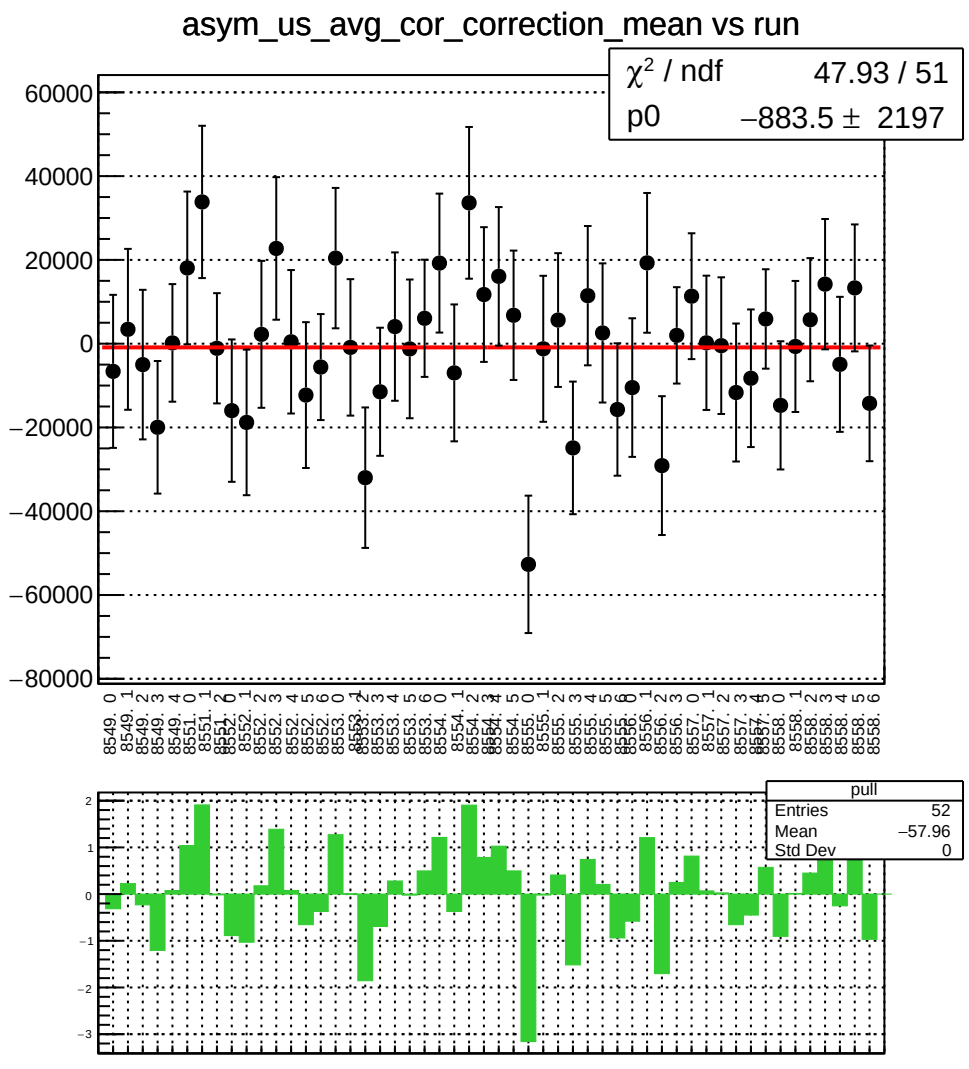

pull1D
Entries 52
Mean 0.004575
Std Dev 0.96

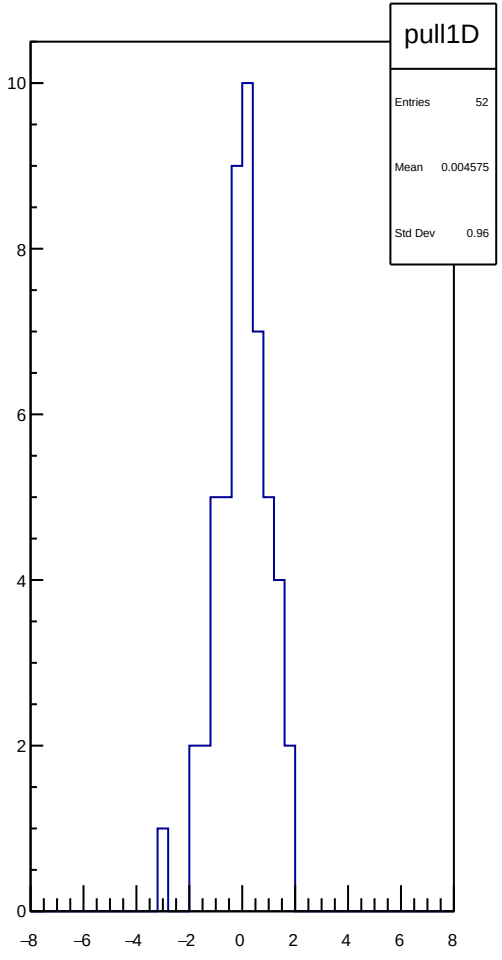

asym_us_avg_reg_correction_rms vs run
χ² / ndf 3453 / 51
p0 1572 ± 1.554
1800
1700
1600
1500
1400
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 5
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

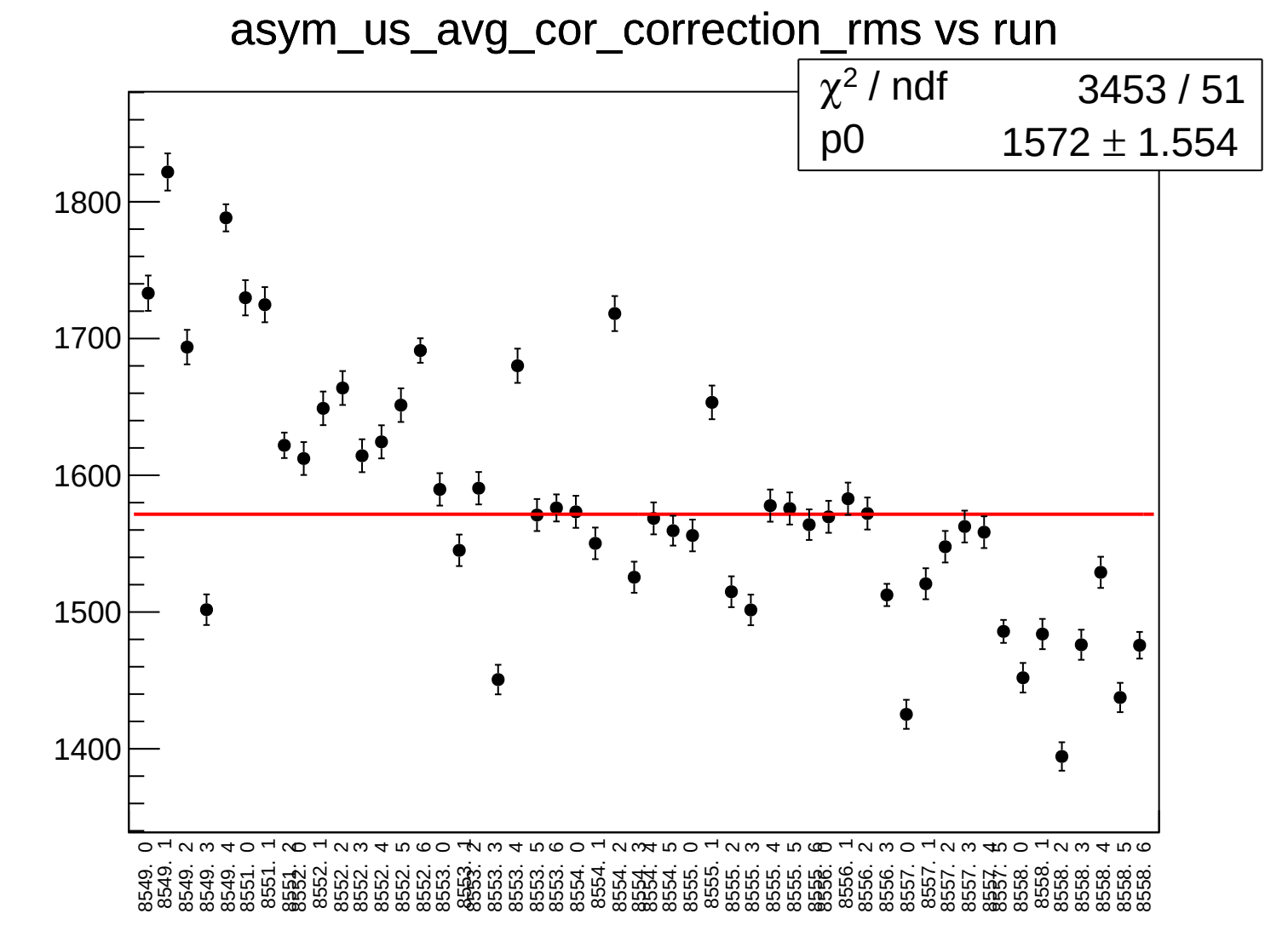

cor_asym_us_avg_mean vs run
χ² / ndf 62.37 / 51
p0 −2012 ± 1130
pull
Entries 52
Mean 229.4
Std Dev 0

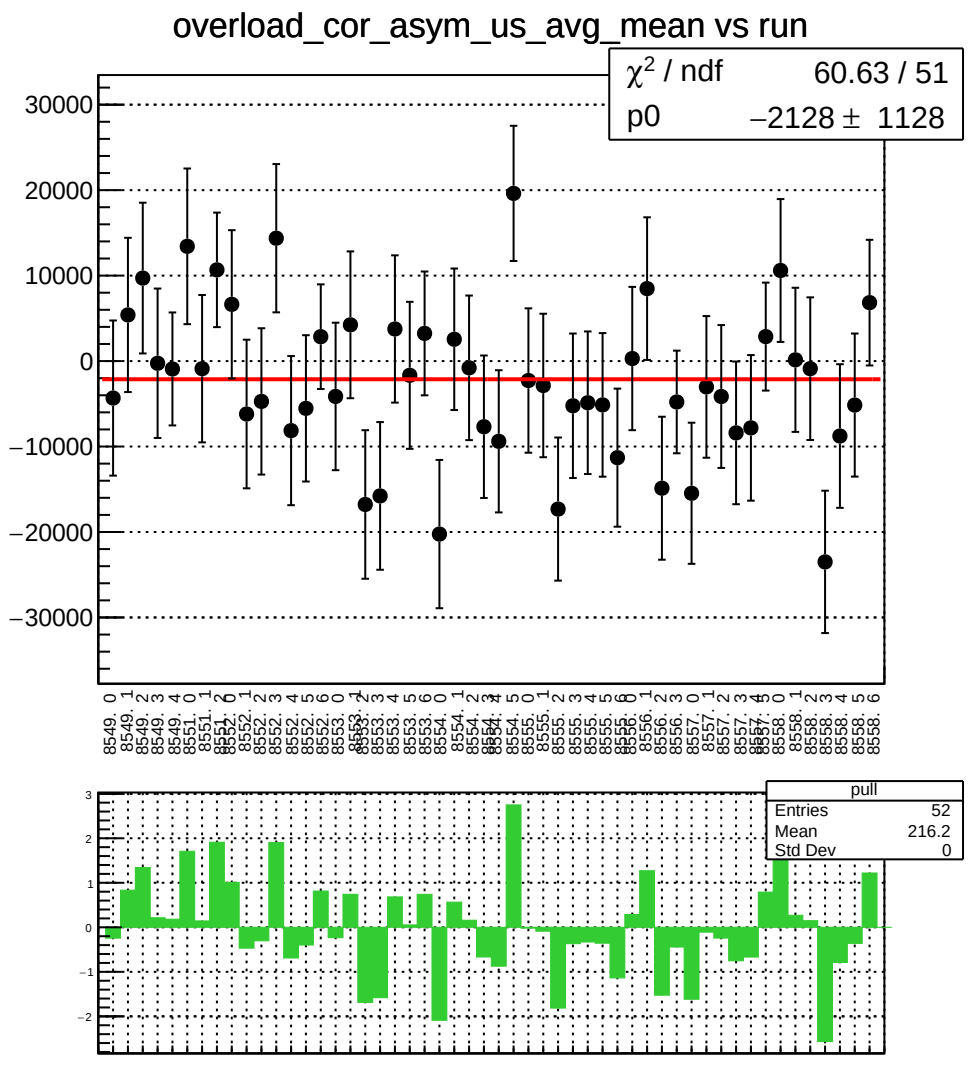

pull1D
Entries 52
Mean −0.02126
Std Dev 1.095

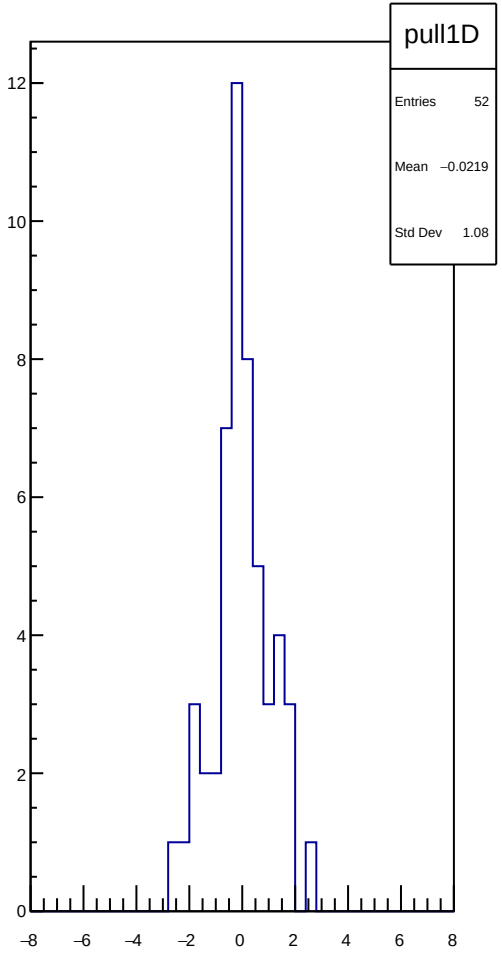

cor_asym_us_avg_rms vs run
χ² / ndf 580.8 / 51
p0 809.1 ± 0.7987
880
860
840
820
800
780
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

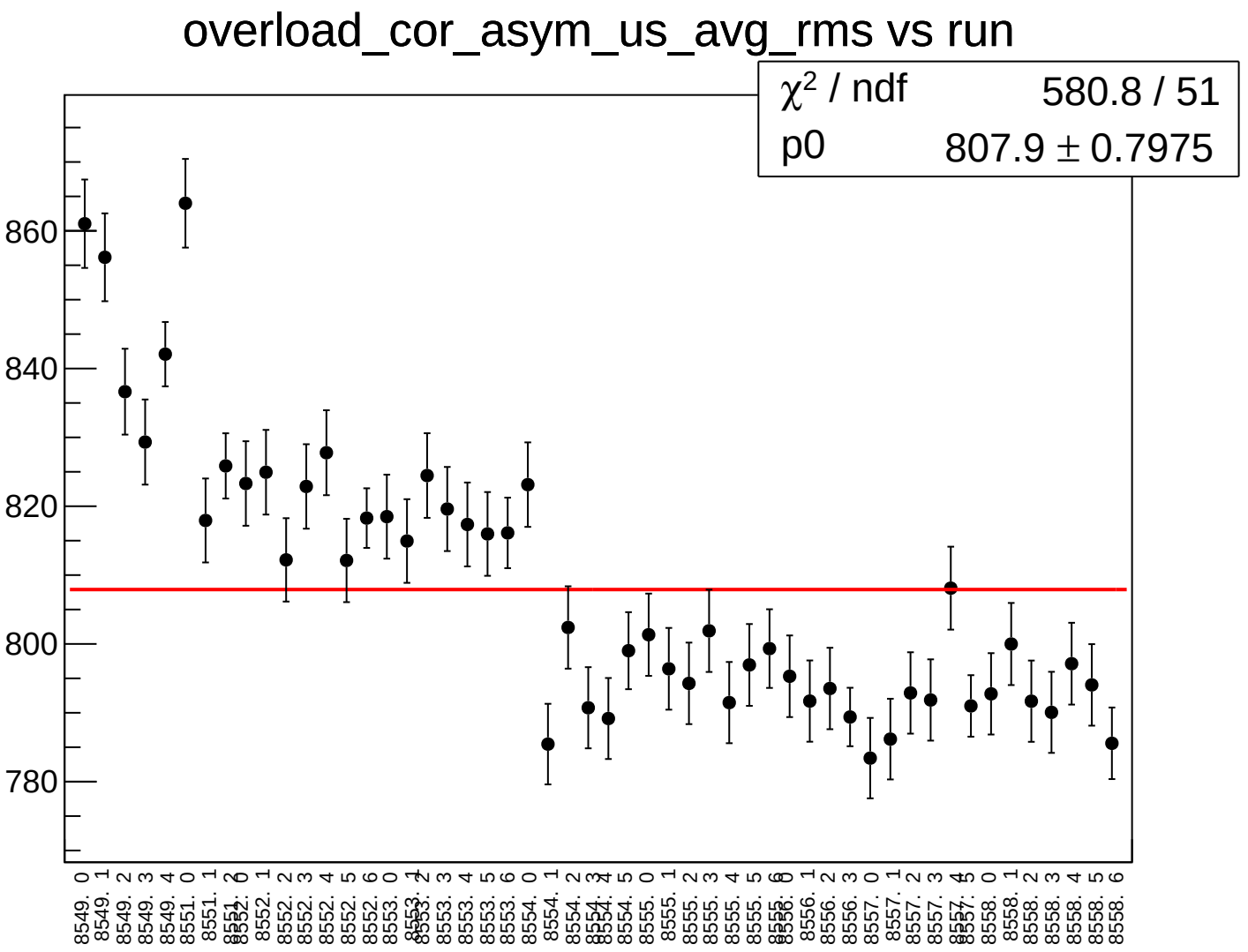

asym_us_avg_cor_correction_mean vs run
χ² / ndf 47.93 / 51
p0 −883.5 ± 2197
pull
Entries 52
Mean −57.96
Std Dev 0

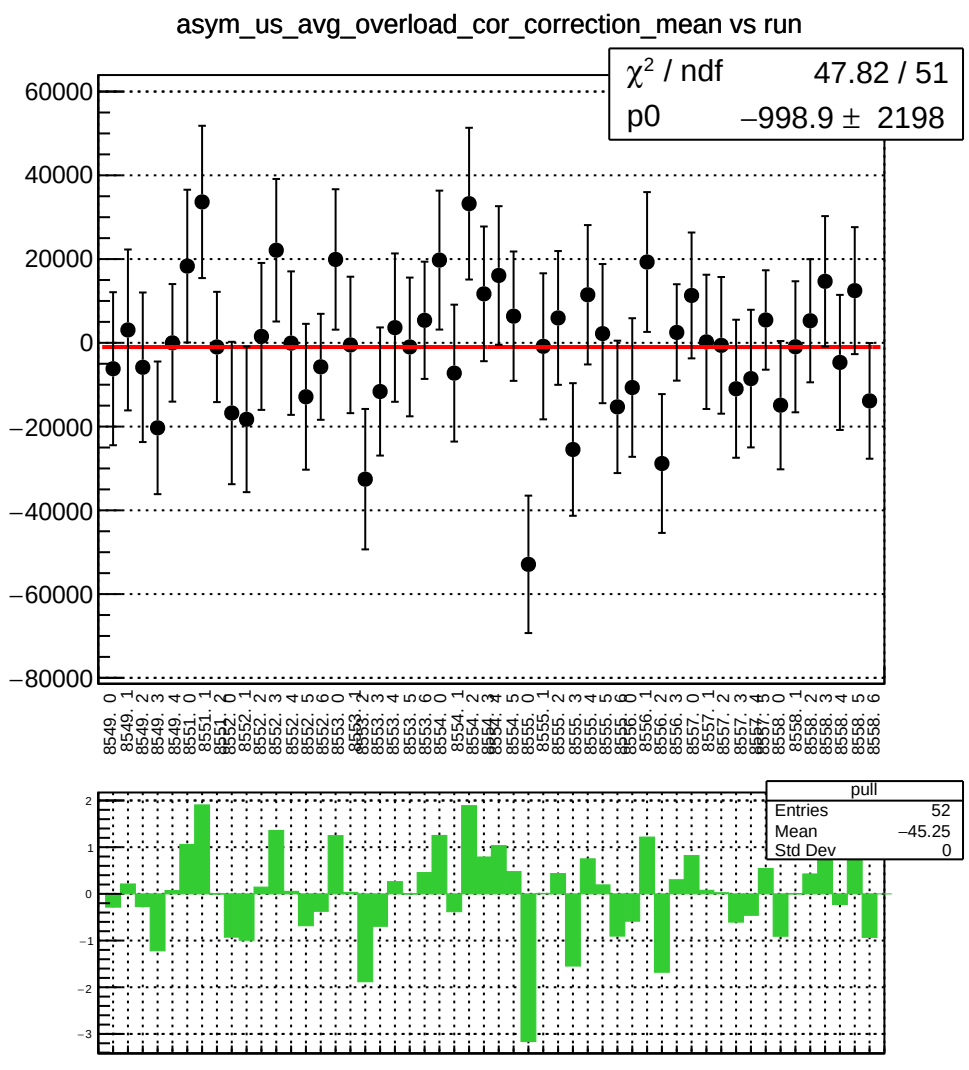

pull1D
Entries 52
Mean 0.004575
Std Dev 0.96

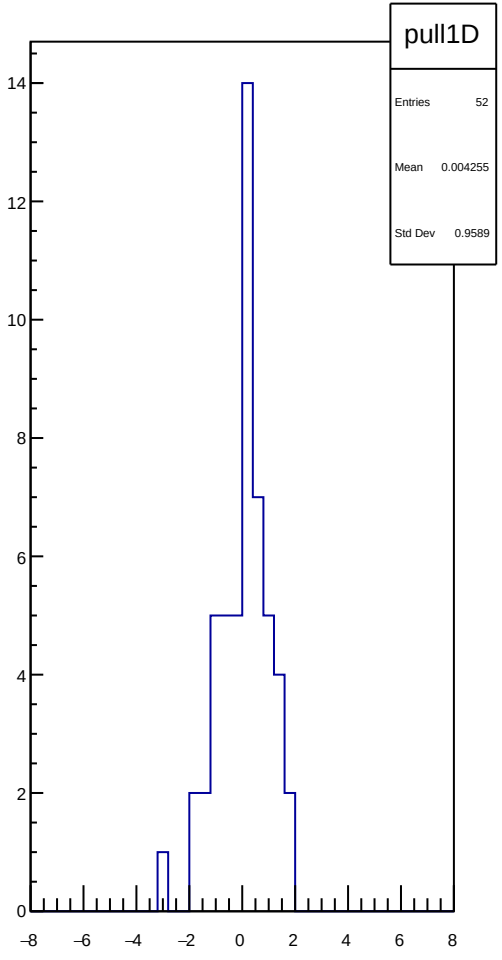

asym_us_avg_cor_correction_rms vs run
χ² / ndf 3453 / 51
p0 1572 ± 1.554
1800
1700
1600
1500
1400
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

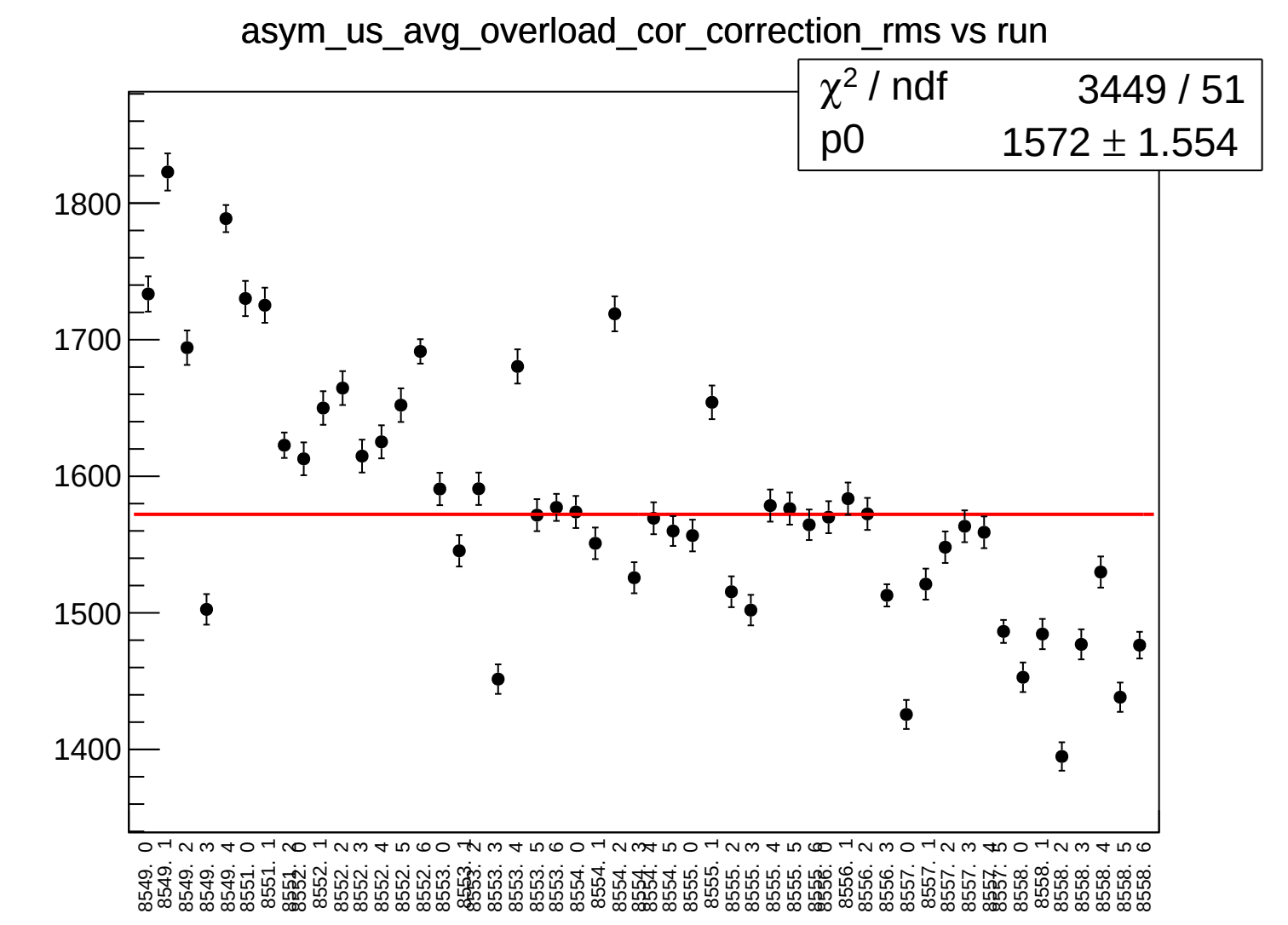

overload_cor_asym_us_avg_mean vs run
χ² / ndf 60.63 / 51
p0 −2128 ± 1128
30000
20000
10000
0
−10000
−20000
−30000
pull
Entries 52
Mean 216.2
Std Dev 0
3
2
1
0
−1
−2

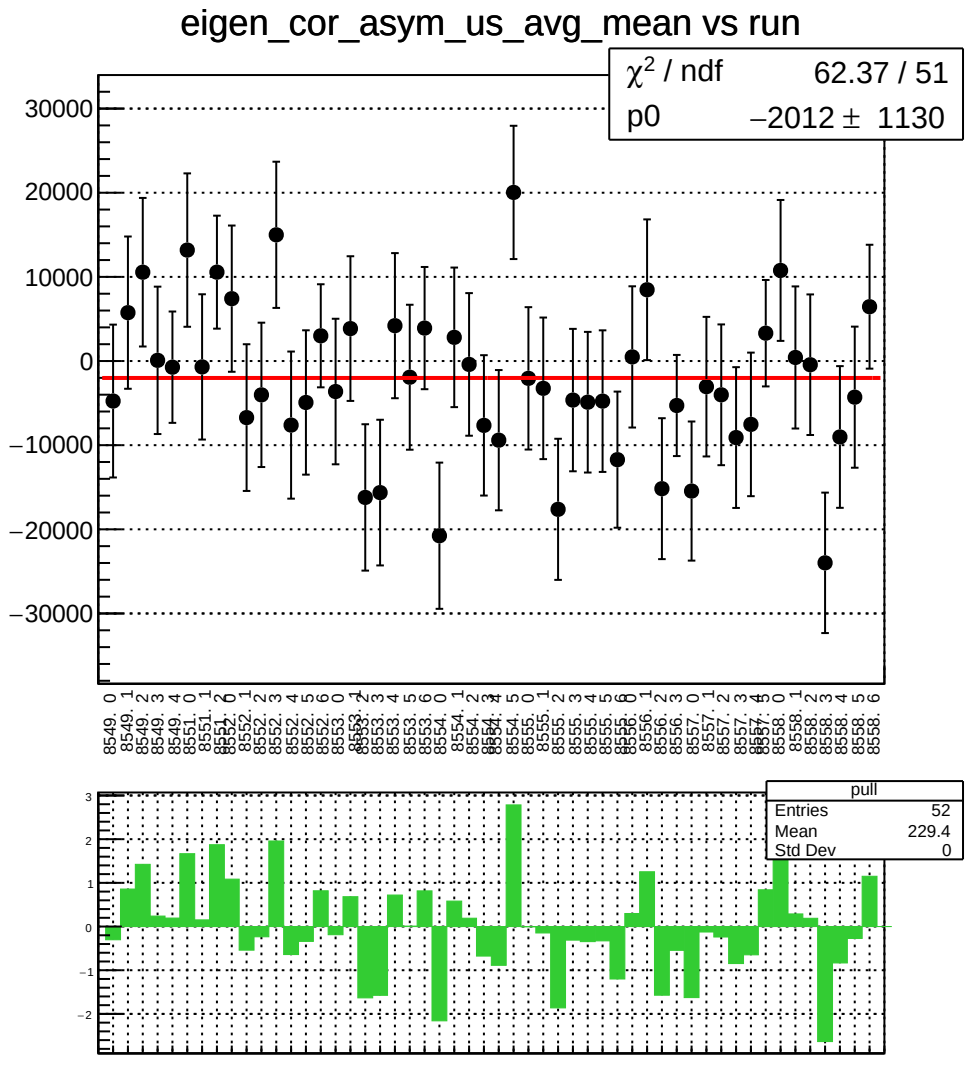

pull1D
Entries 52
Mean −0.0219
Std Dev 1.08
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

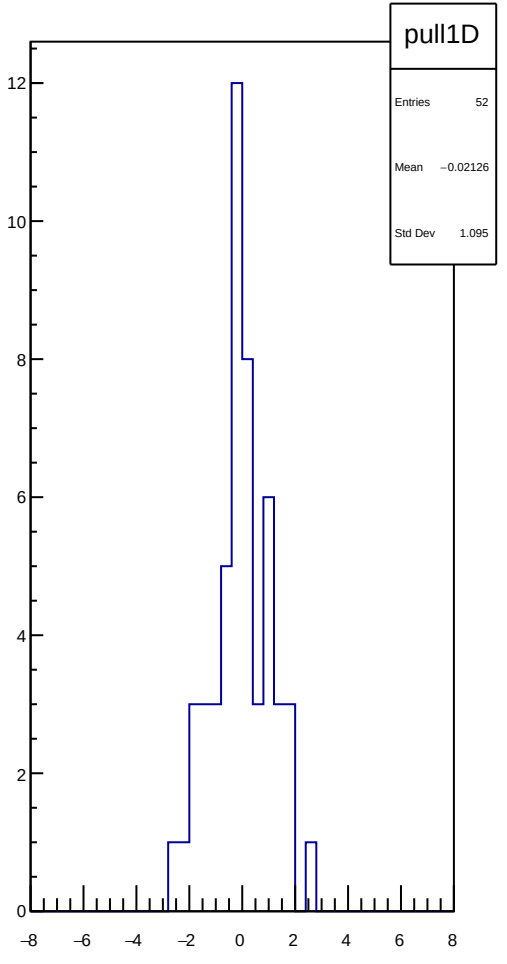

overload_cor_asym_us_avg_rms vs run
χ² / ndf 580.8 / 51
p0 807.9 ± 0.7975
860
840
820
800
780
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 5
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

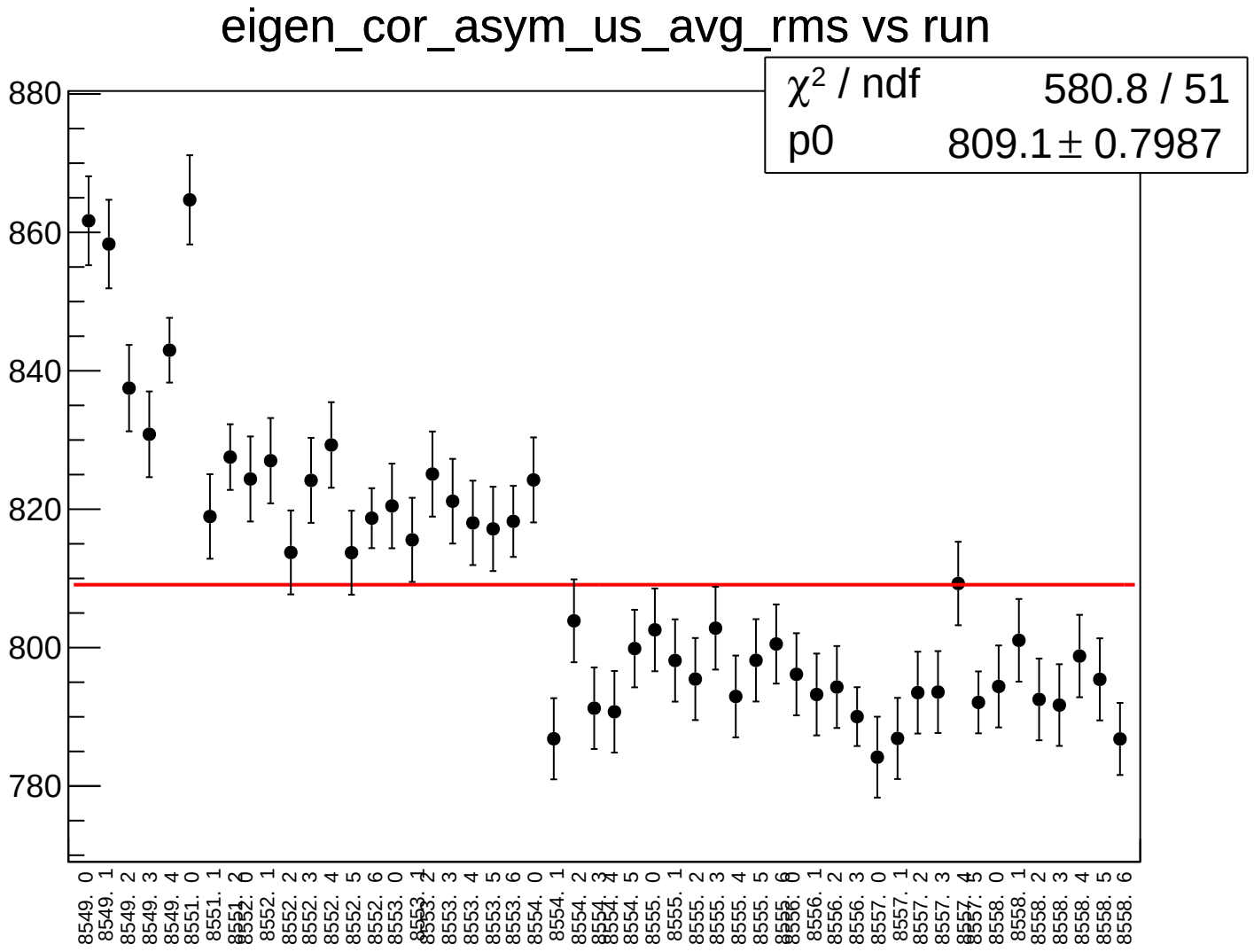

asym_us_avg_overload_cor_correction_mean vs run
χ² / ndf 47.82 / 51
p0 −998.9 ± 2198
pull
Entries 52
Mean −45.25
Std Dev 0

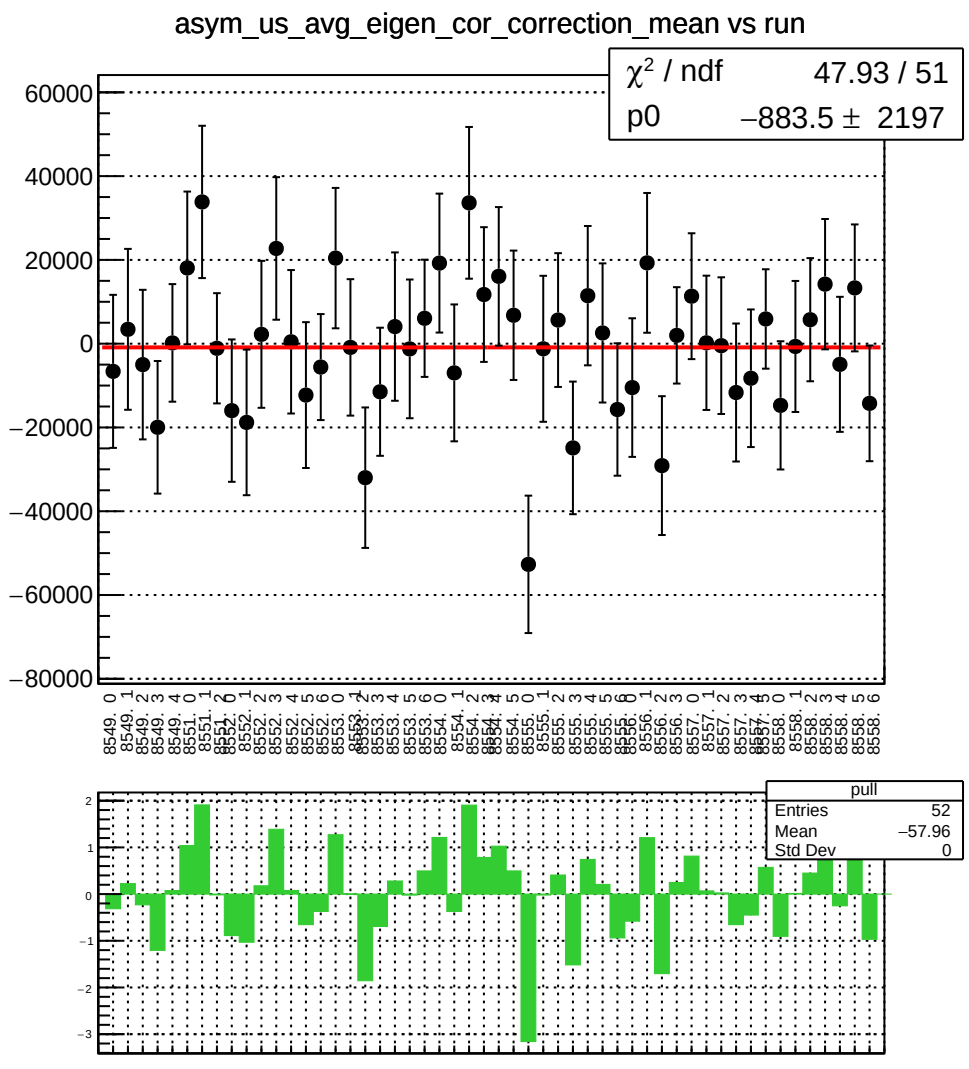

pull1D
Entries 52
Mean 0.004255
Std Dev 0.9589

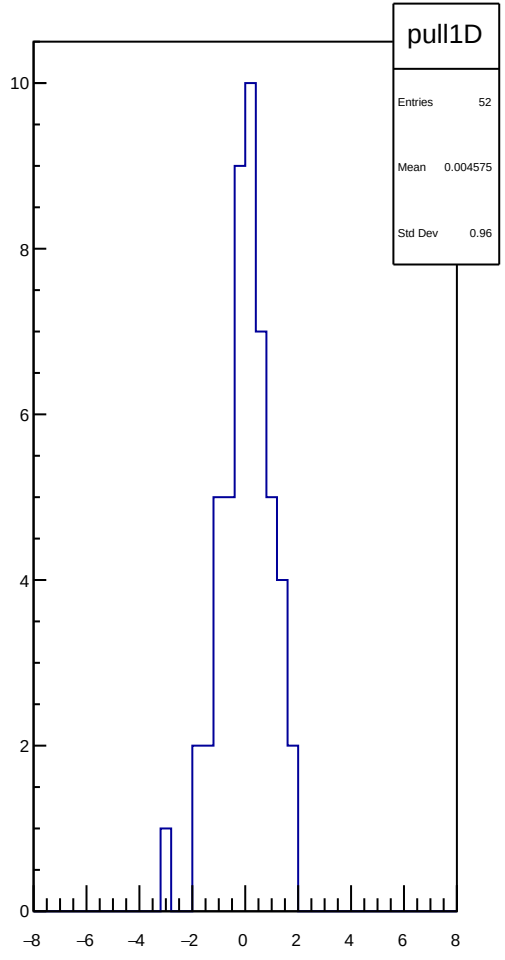

asym_us_avg_overload_cor_correction_rms vs run
χ² / ndf 3449 / 51
p0 1572 ± 1.554
1800
1700
1600
1500
1400
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

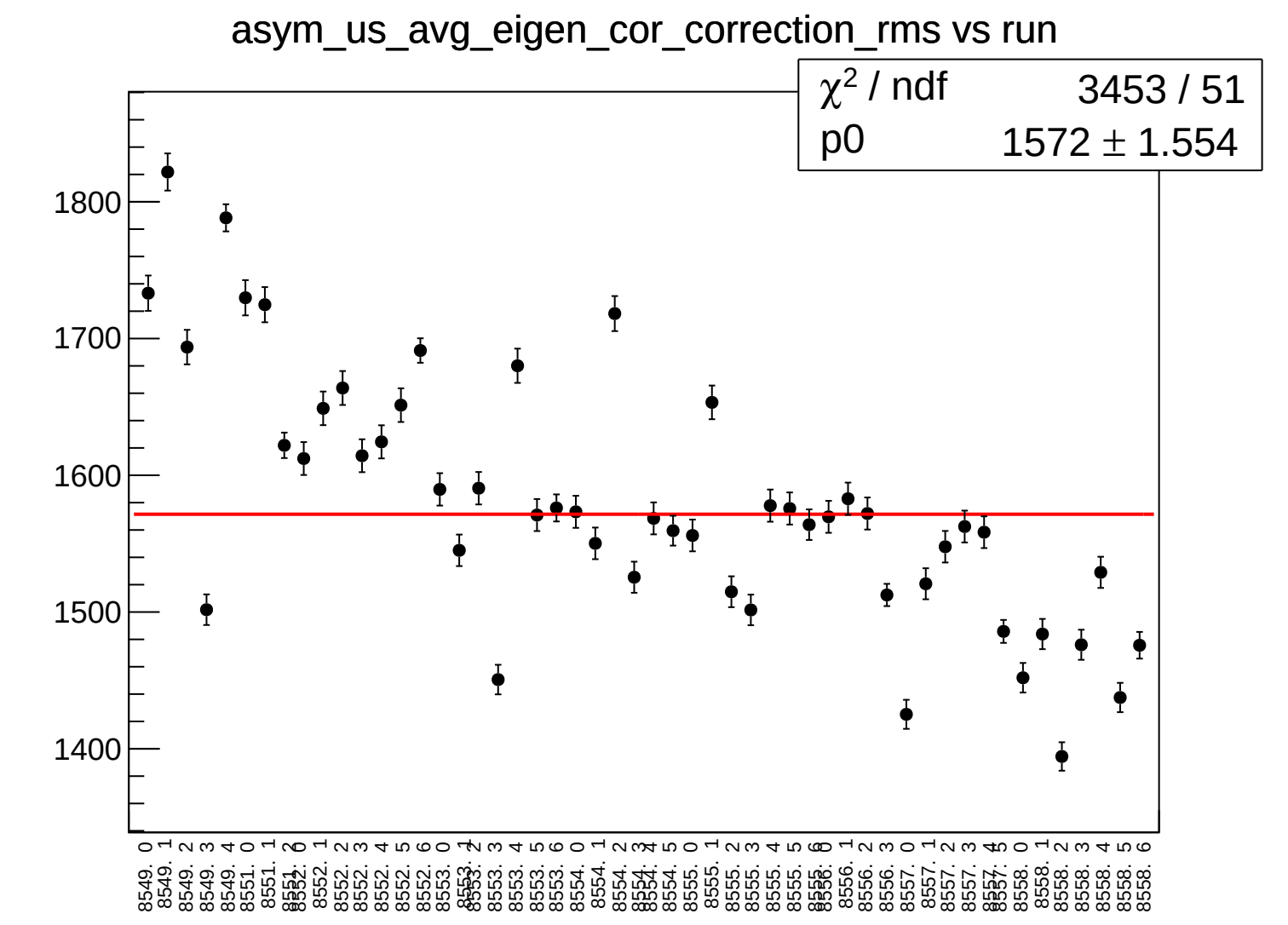

eigen_cor_asym_us_avg_mean vs run
χ² / ndf 62.37 / 51
p0 −2012 ± 1130
30000
20000
10000
0
−10000
−20000
−30000
pull
Entries 52
Mean 229.4
Std Dev 0
3
2
1
0
−1
−2


pull1D
Entries 52
Mean −0.02126
Std Dev 1.095
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


eigen_cor_asym_us_avg_rms vs run
χ² / ndf 580.8 / 51
p0 809.1 ± 0.7987
880
860
840
820
800
780
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6


asym_us_avg_eigen_cor_correction_mean vs run
χ² / ndf 47.93 / 51
p0 −883.5 ± 2197
60000
40000
20000
0
−20000
−40000
−60000
−80000
pull
Entries 52
Mean −57.96
Std Dev 0
2
1
0
−1
−2
−3


pull1D
Entries 52
Mean 0.004575
Std Dev 0.96
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


asym_us_avg_eigen_cor_correction_rms vs run
χ² / ndf 3453 / 51
p0 1572 ± 1.554
1800
1700
1600
1500
1400
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
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8556. 2
8556. 3
8557. 0
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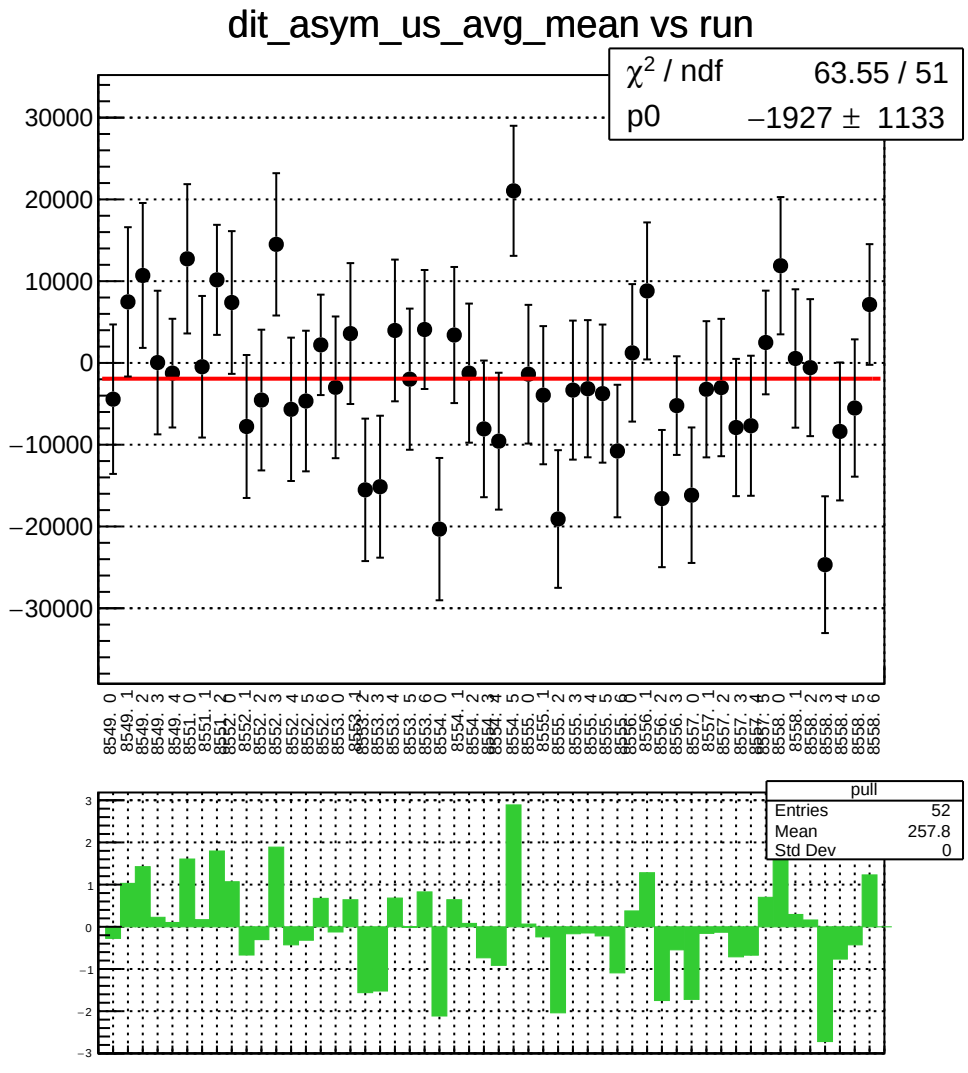
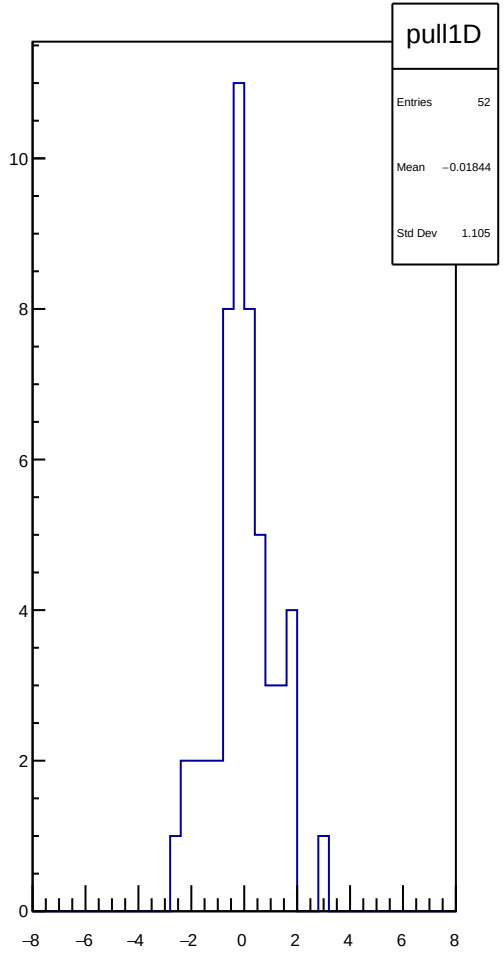
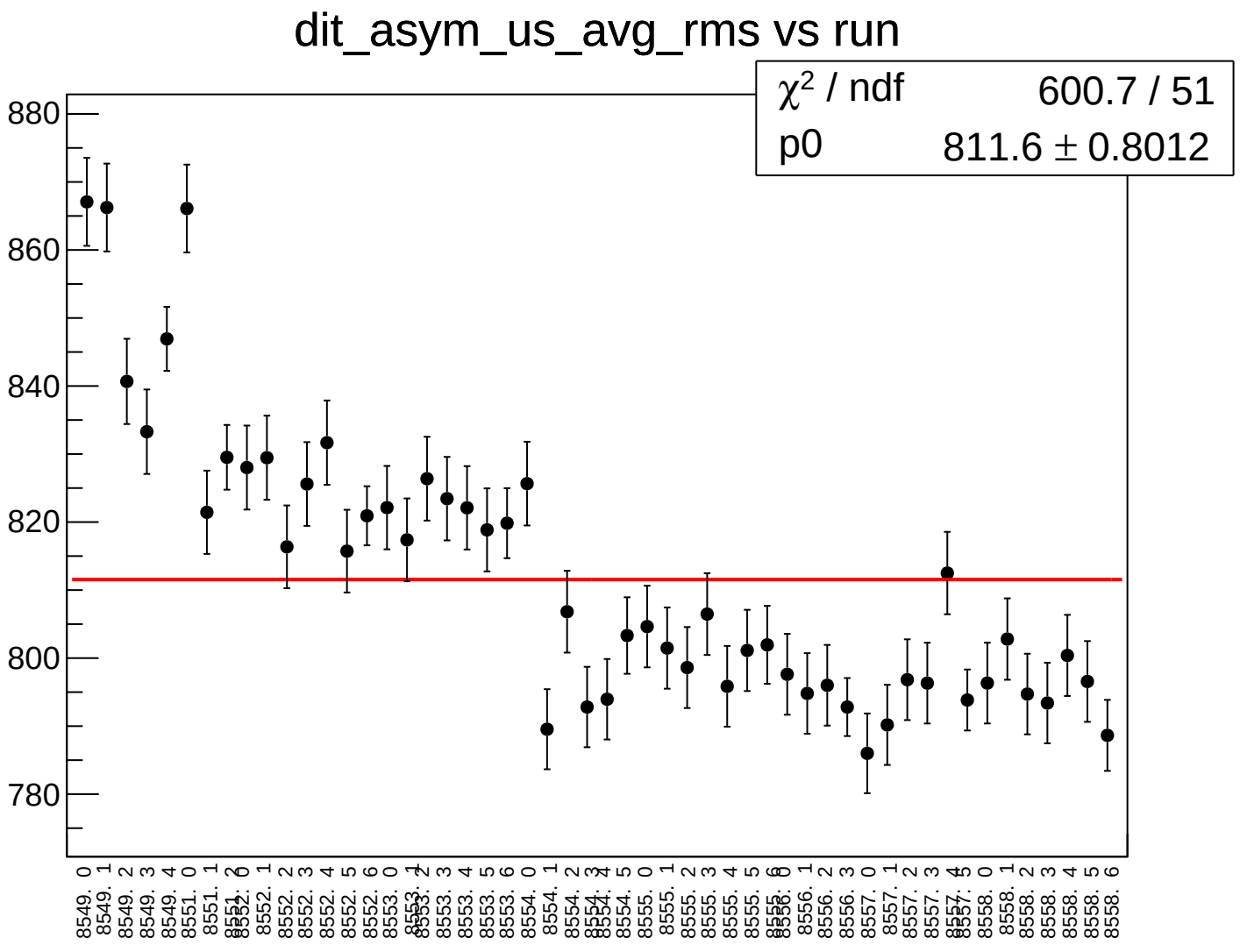
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6


dit_asym_us_avg_mean vs run
χ² / ndf 63.55 / 51
p0 −1927 ± 1133
30000
20000
10000
0
−10000
−20000
−30000
pull
Entries 52
Mean 257.8
Std Dev 0
3
2
1
0
−1
−2
−3


pull1D
Entries 52
Mean −0.01844
Std Dev 1.105
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


dit_asym_us_avg_rms vs run
χ² / ndf 600.7 / 51
p0 811.6 ± 0.8012
880
860
840
820
800
780
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
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8556. 1
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8556. 3
8557. 0
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8557. 3
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8558. 1
8558. 2
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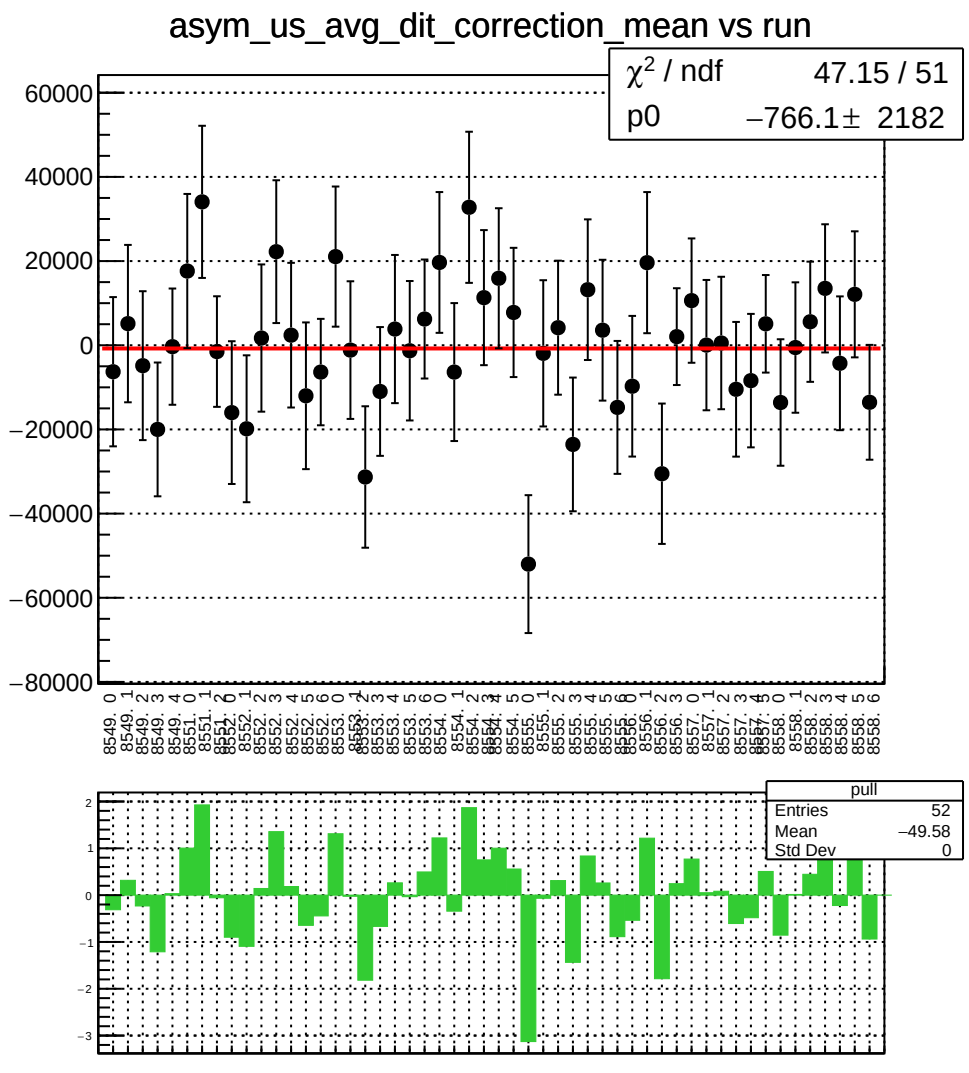
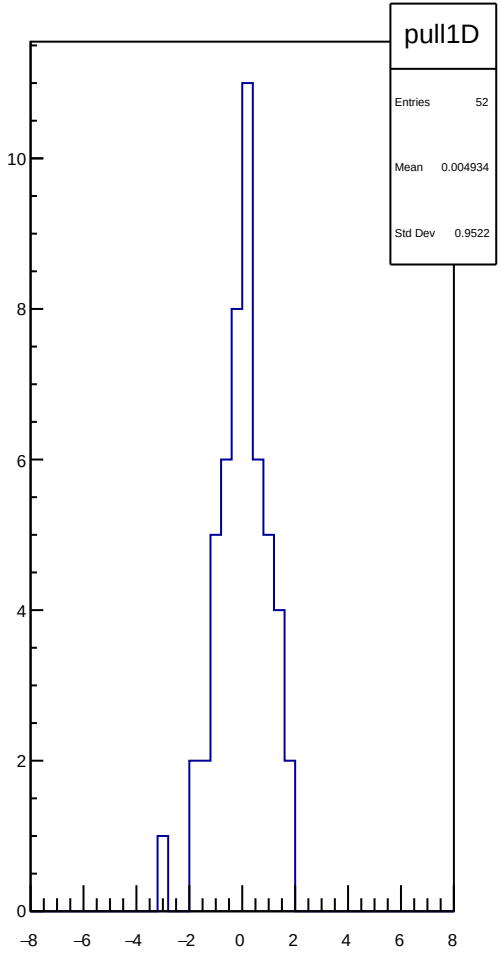
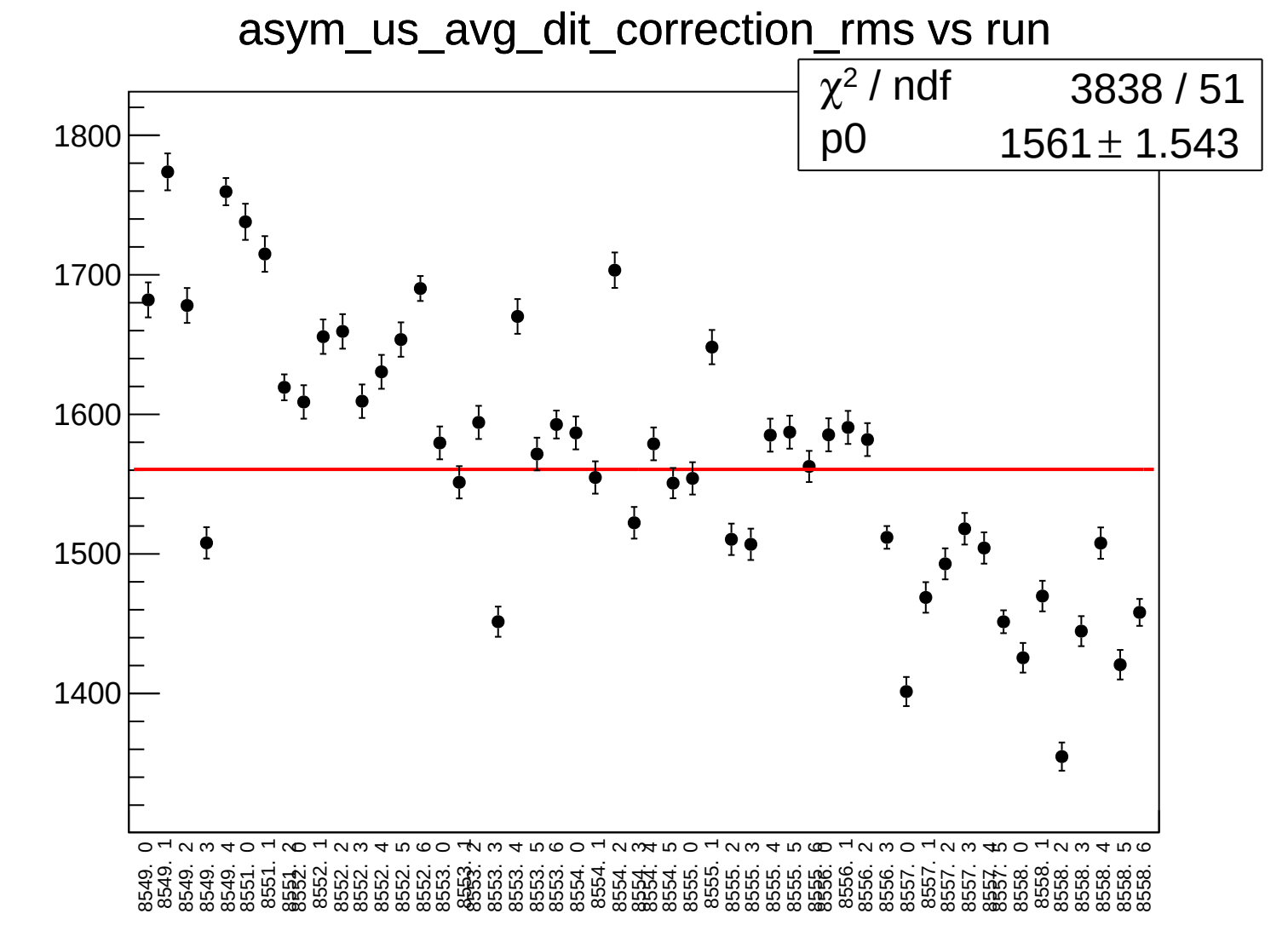
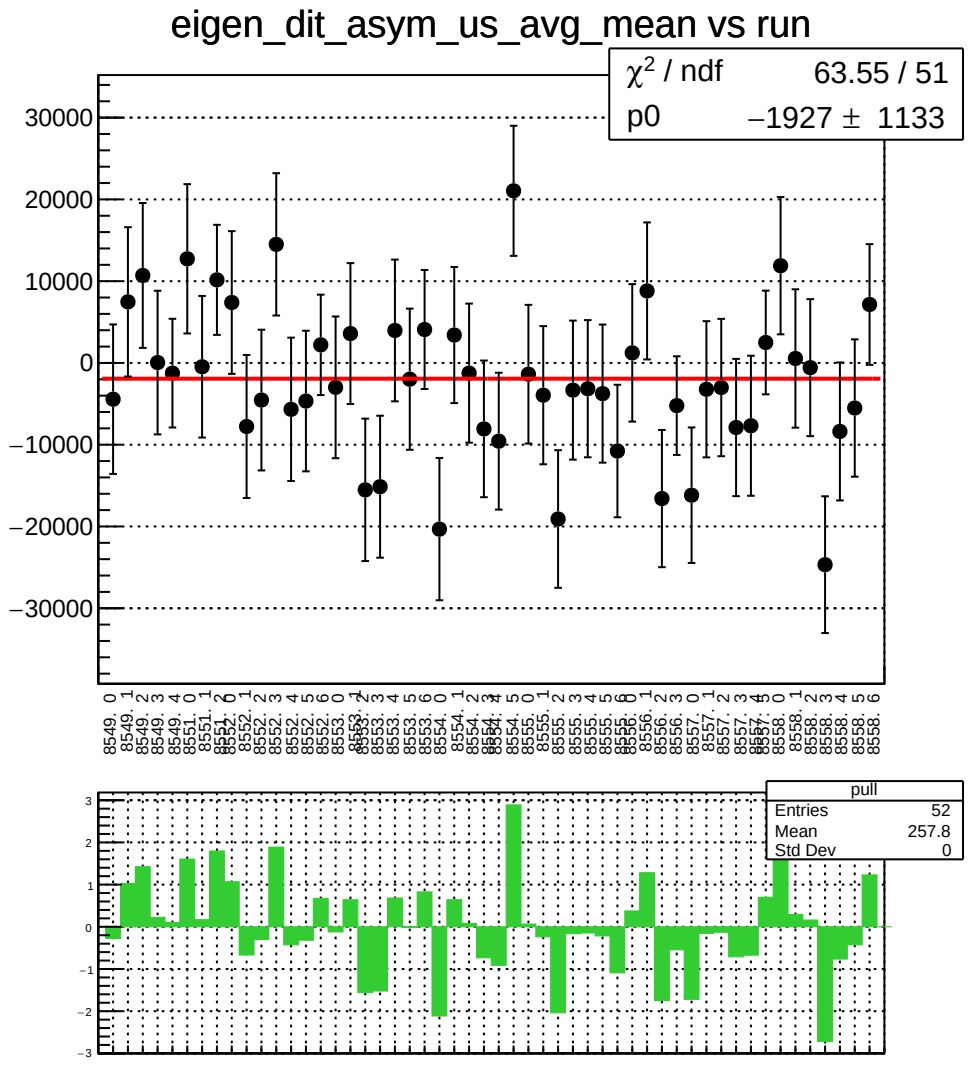
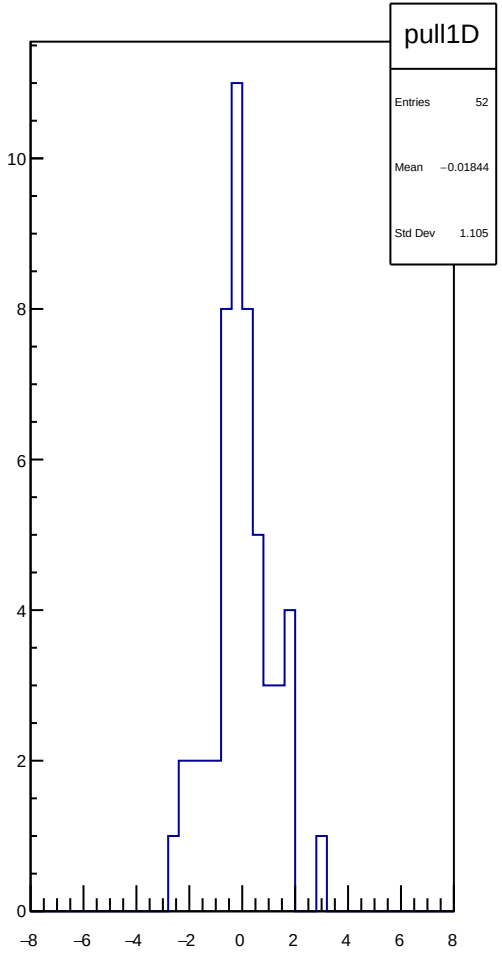
8558. 5
8558. 6

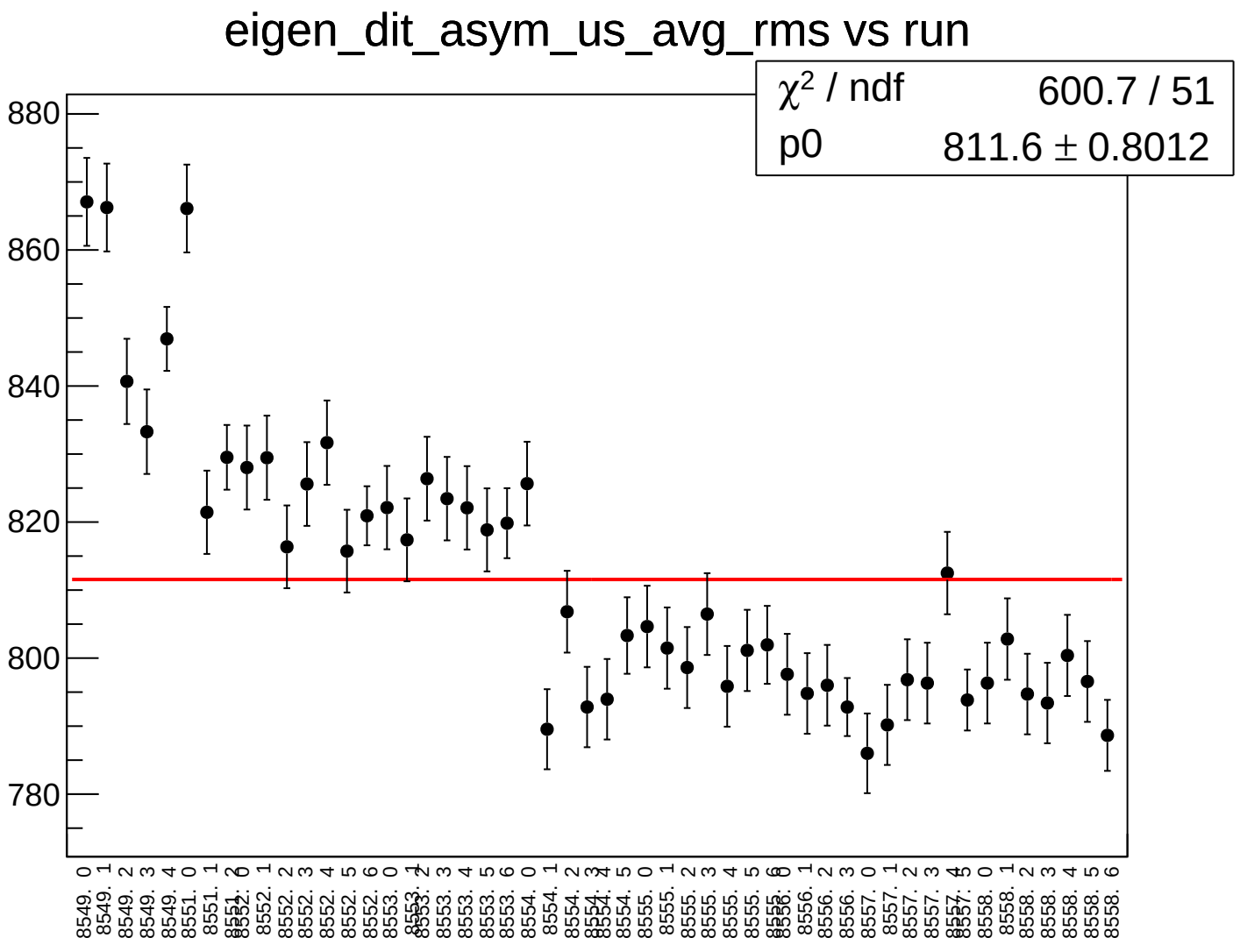

asym_us_avg_dit_correction_mean vs run
χ² / ndf 47.15 / 51
p0 −766.1± 2182
pull
Entries 52
Mean −49.58
Std Dev 0

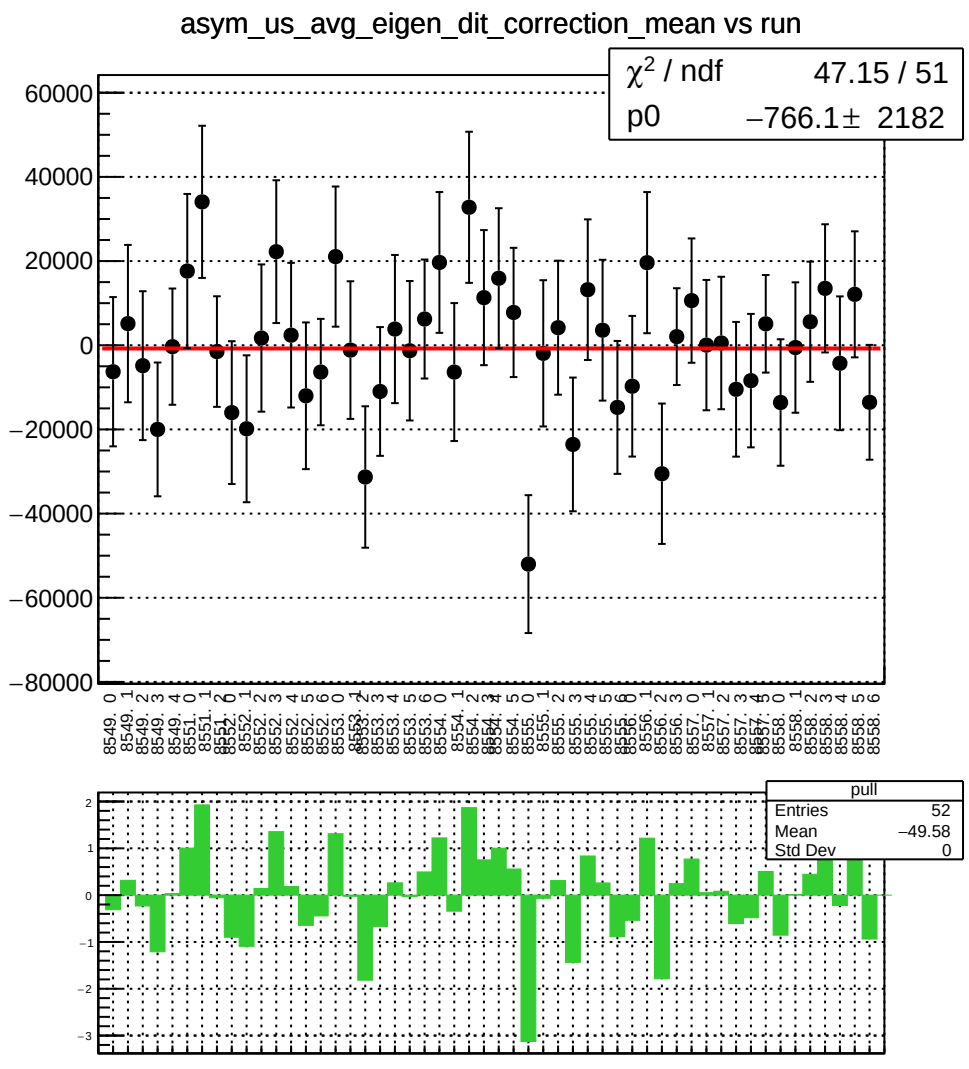

pull1D
Entries 52
Mean 0.004934
Std Dev 0.9522

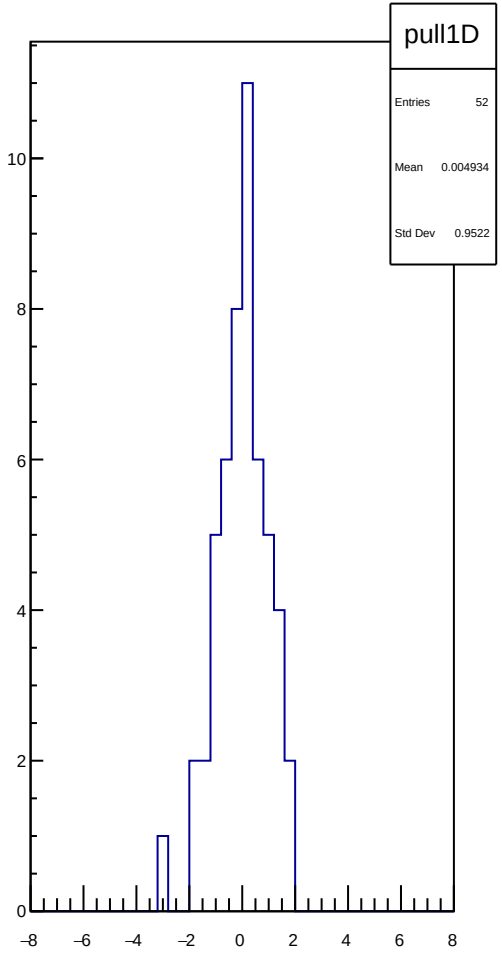

asym_us_avg_dit_correction_rms vs run
χ² / ndf 3838 / 51
p0 1561 ± 1.543
1800
1700
1600
1500
1400
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

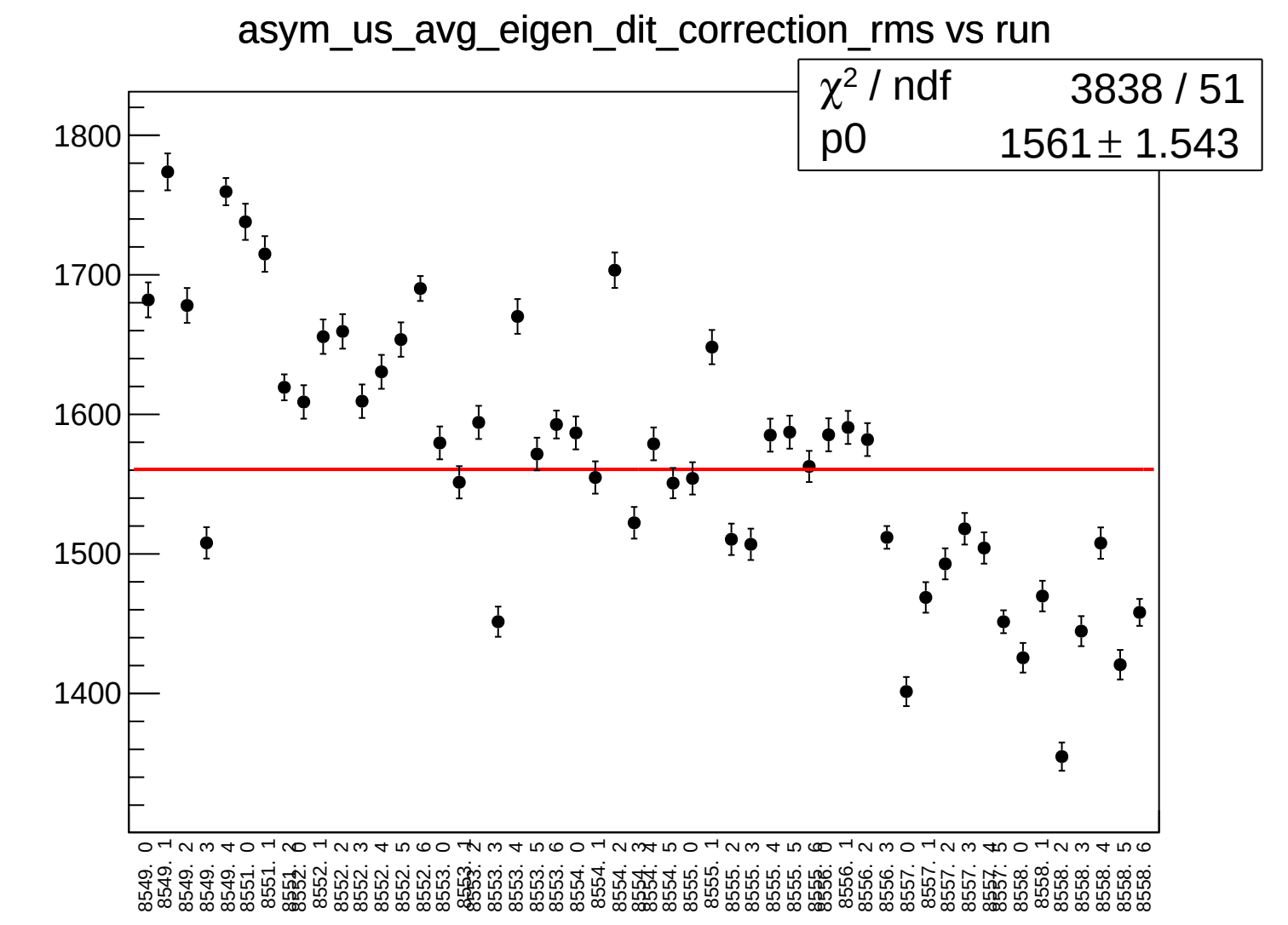

eigen_dit_asym_us_avg_mean vs run
χ² / ndf 63.55 / 51
p0 −1927 ± 1133
pull
Entries 52
Mean 257.8
Std Dev 0

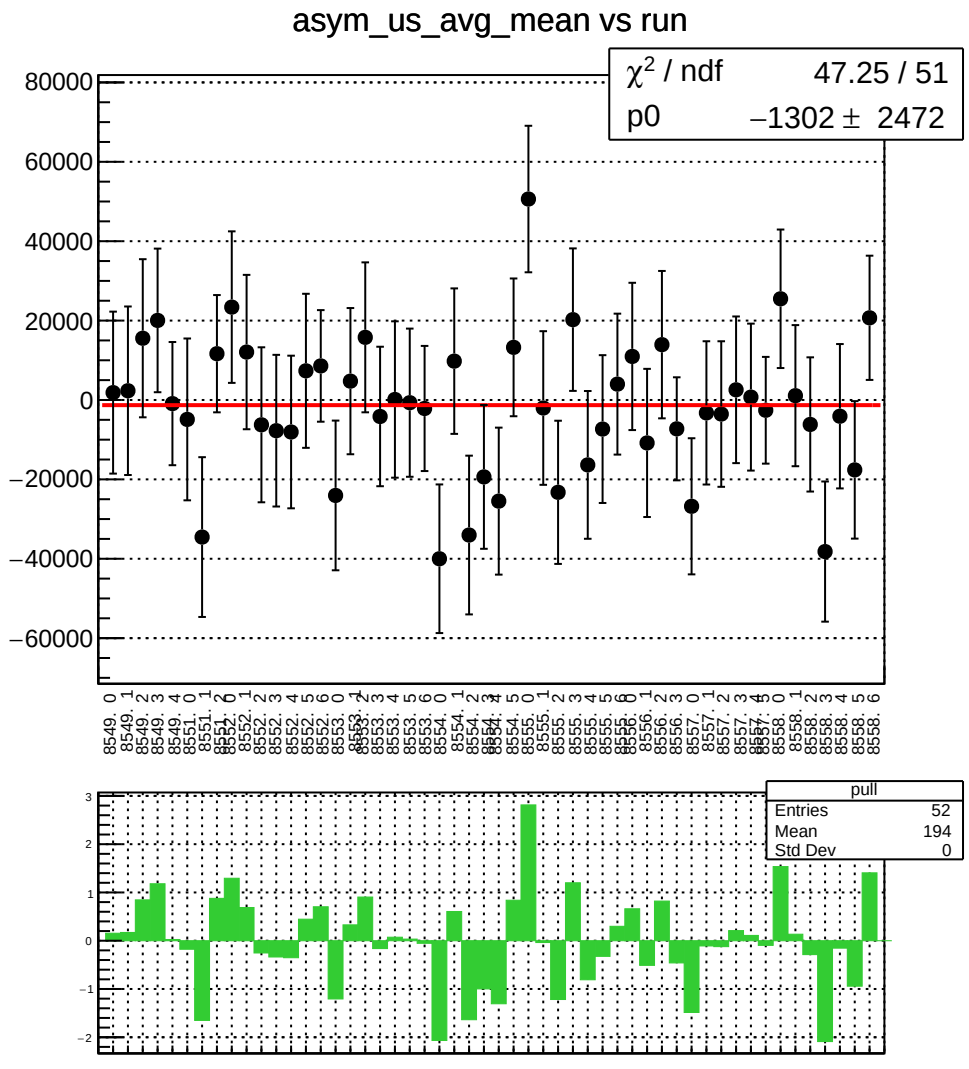

pull1D
Entries 52
Mean −0.01844
Std Dev 1.105

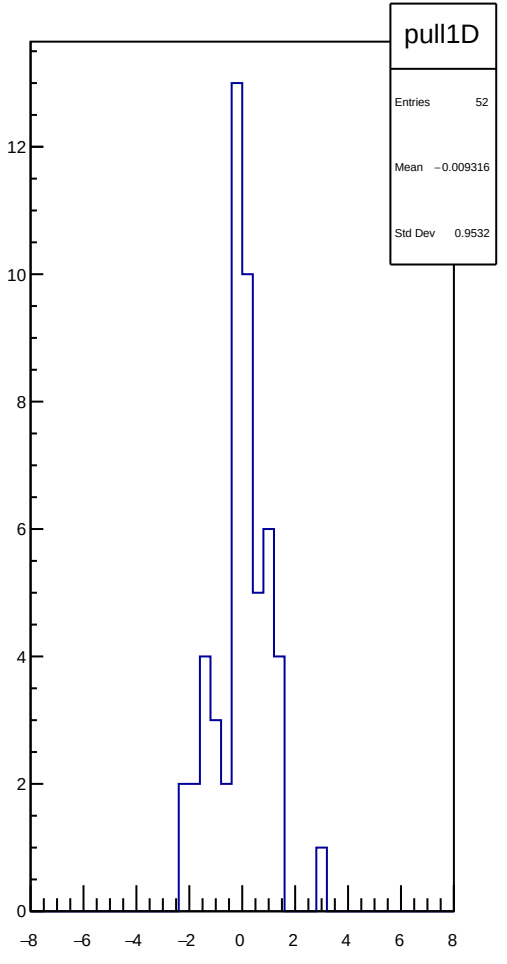

eigen_dit_asym_us_avg_rms vs run
χ² / ndf 600.7 / 51
p0 811.6 ± 0.8012
880
860
840
820
800
780
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

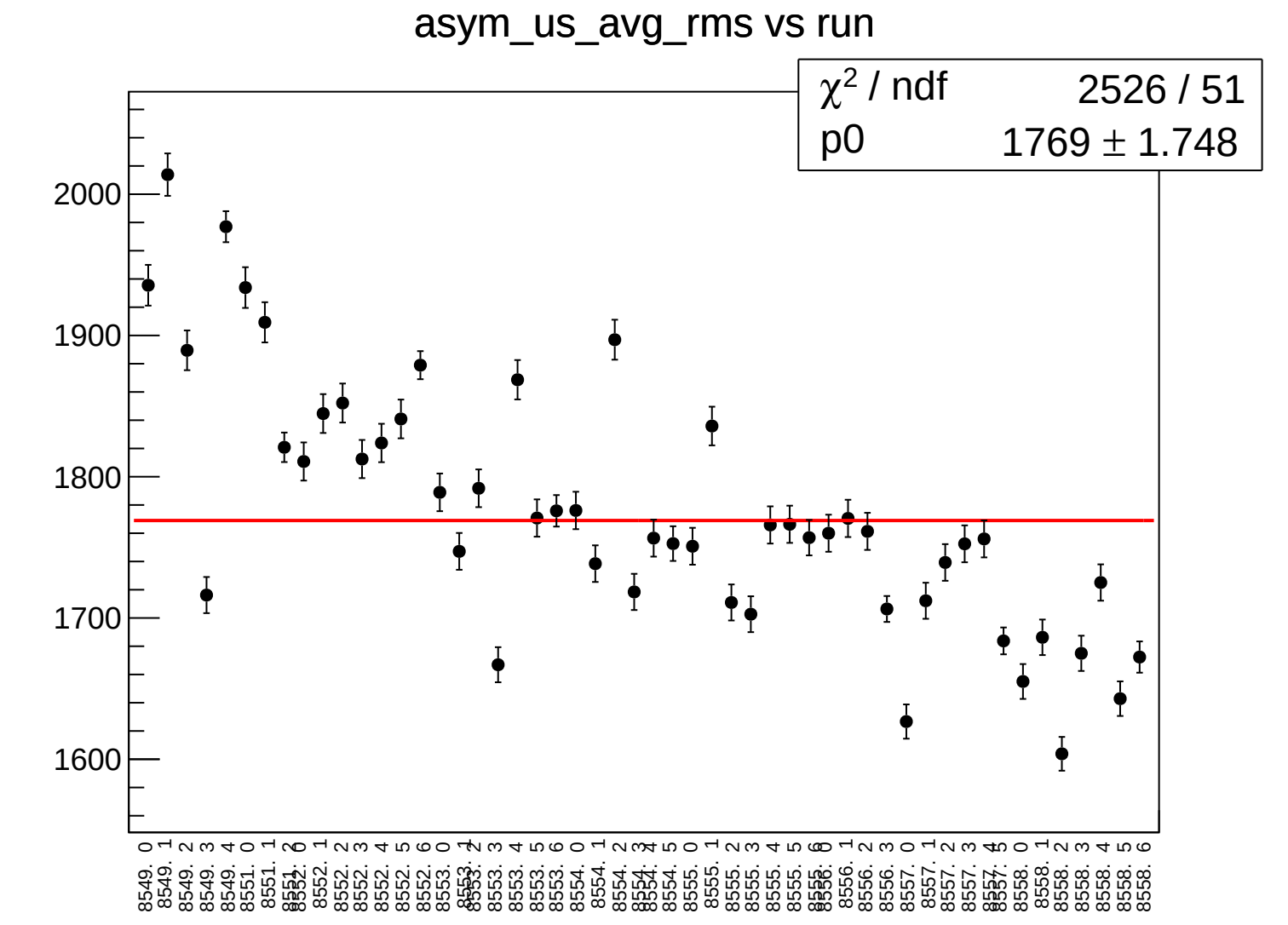

asym_us_avg_eigen_dit_correction_mean vs run
χ² / ndf 47.15 / 51
p0 −766.1± 2182
pull
Entries 52
Mean −49.58
Std Dev 0


pull1D
Entries 52
Mean 0.004934
Std Dev 0.9522


asym_us_avg_eigen_dit_correction_rms vs run
χ² / ndf 3838 / 51
p0 1561 ± 1.543
1800
1700
1600
1500
1400
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 5
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6


asym_us_avg_mean vs run
χ² / ndf 47.25 / 51
p0 −1302 ± 2472
pull
Entries 52
Mean 194
Std Dev 0


pull1D
Entries 52
Mean −0.009316
Std Dev 0.9532


asym_us_avg_rms vs run
χ² / ndf 2526 / 51
p0 1769 ± 1.748
2000
1900
1800
1700
1600
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
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8558. 0
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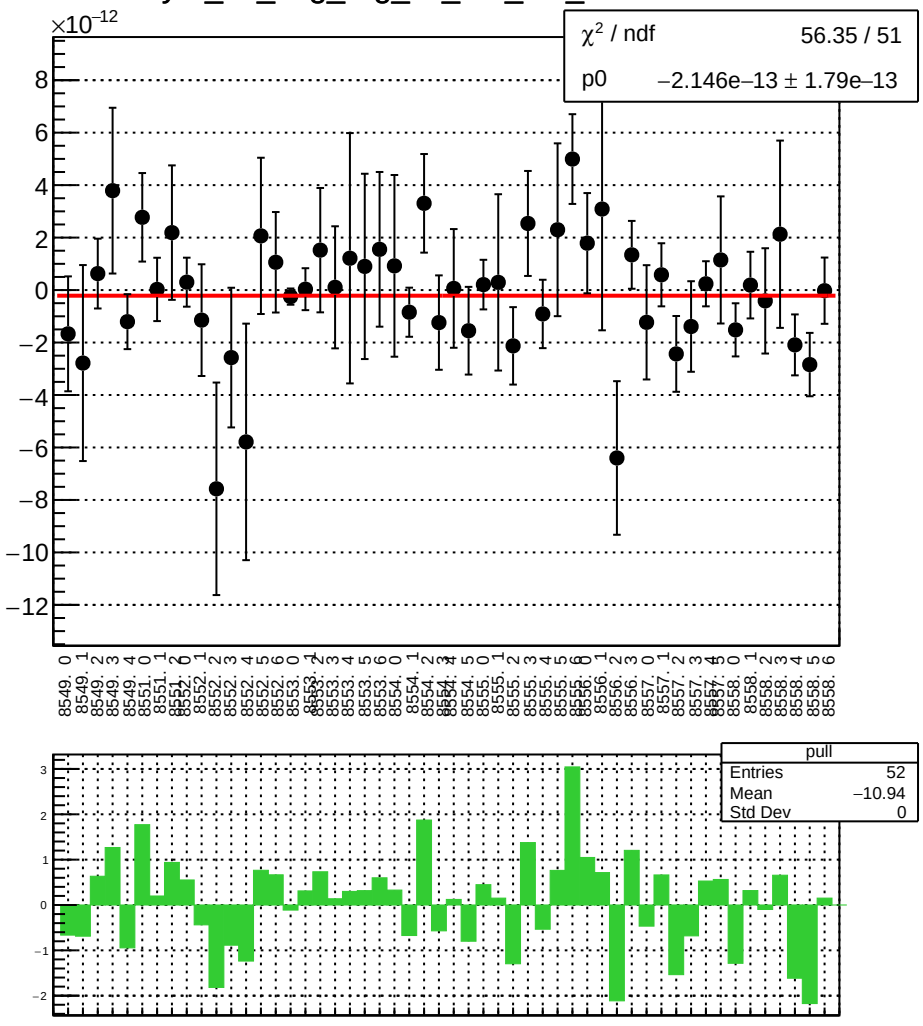
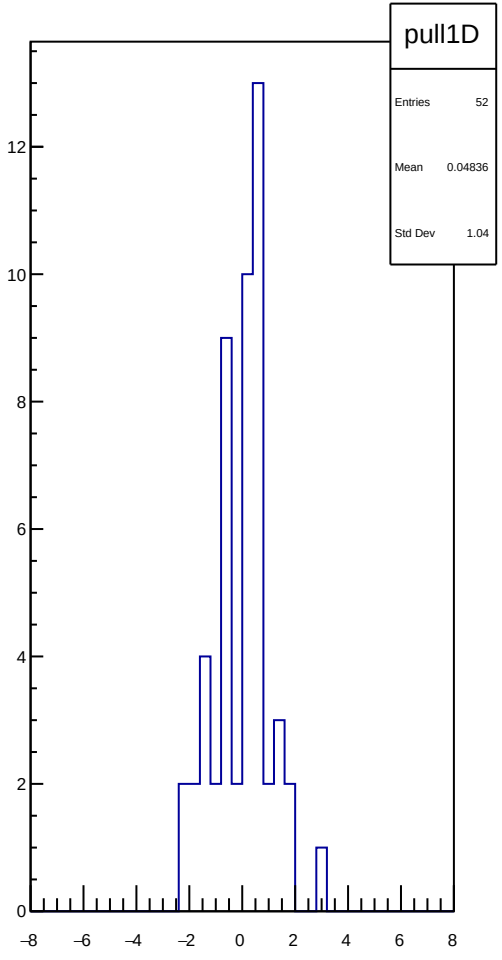
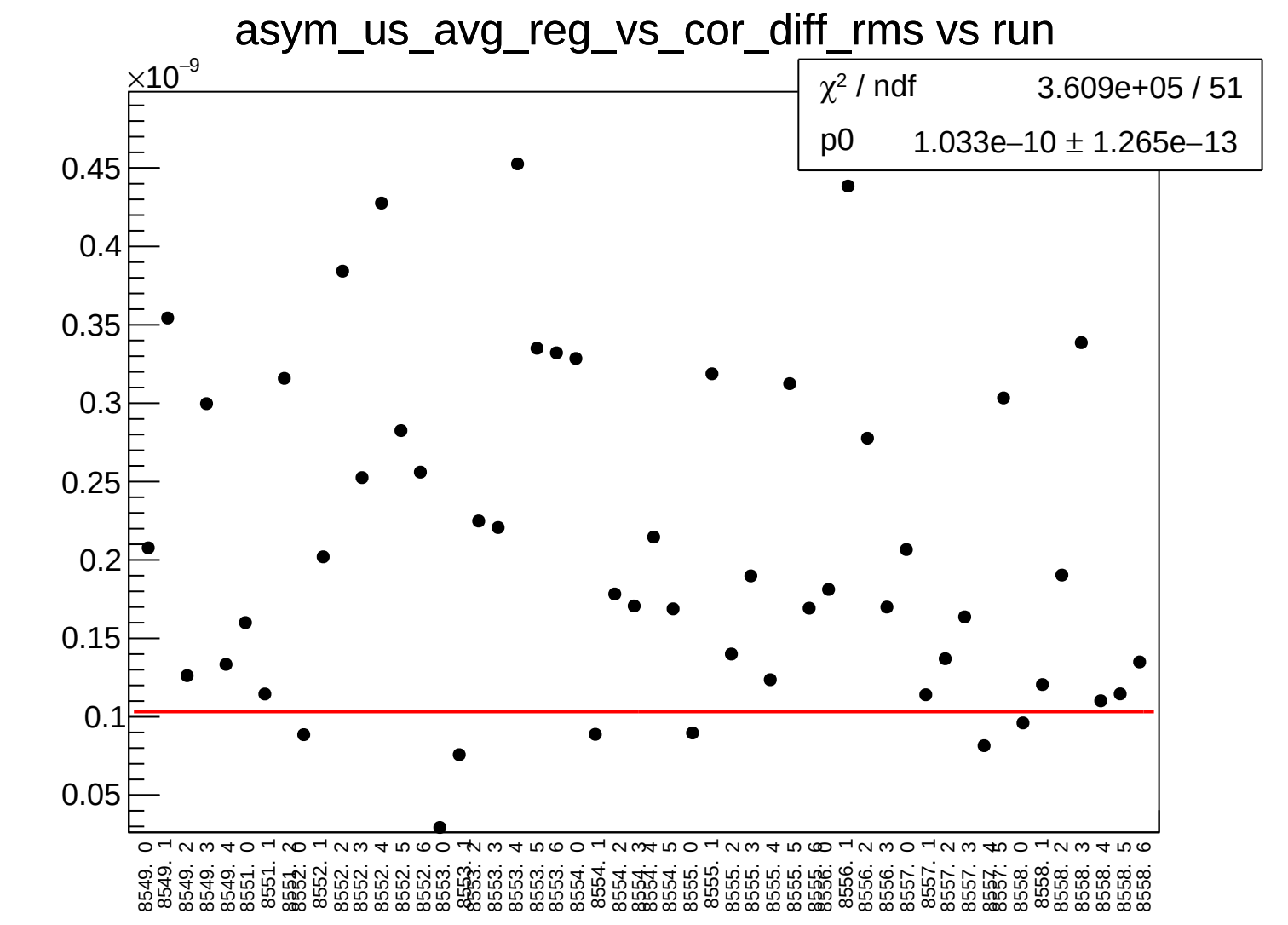
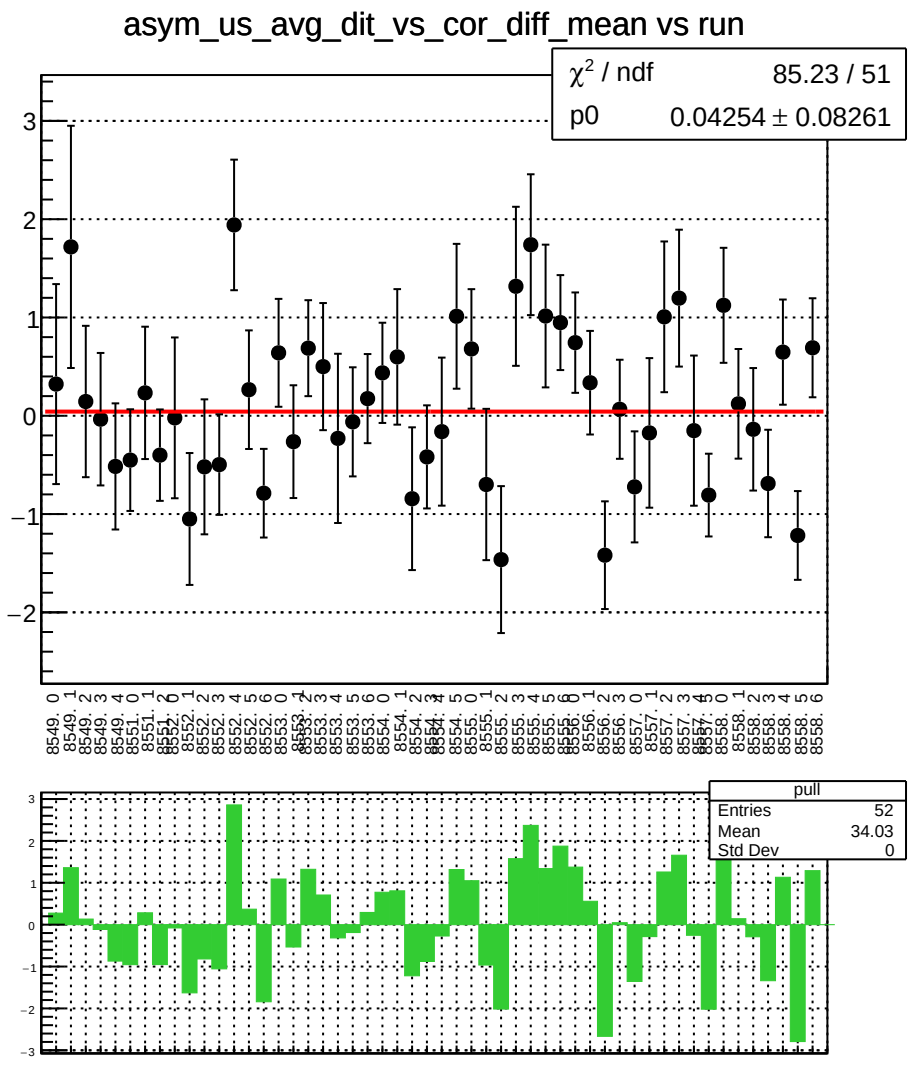
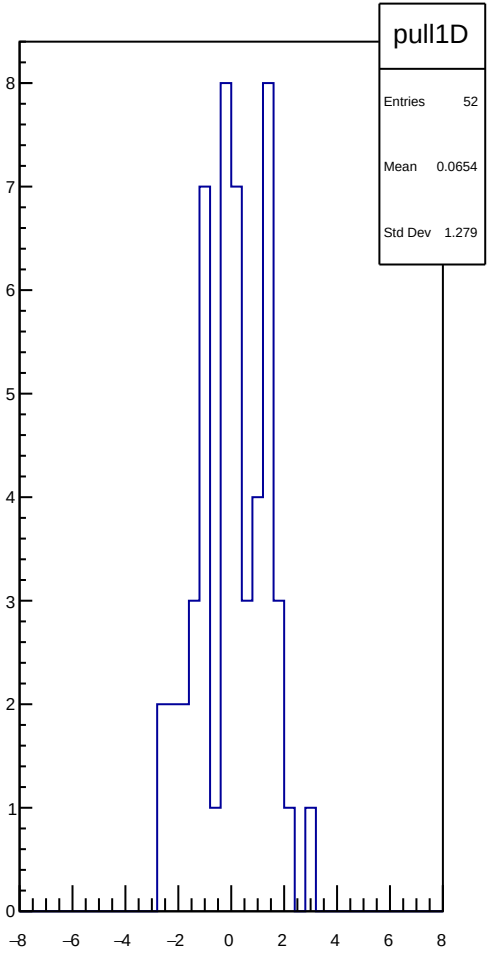
8558. 5
8558. 6

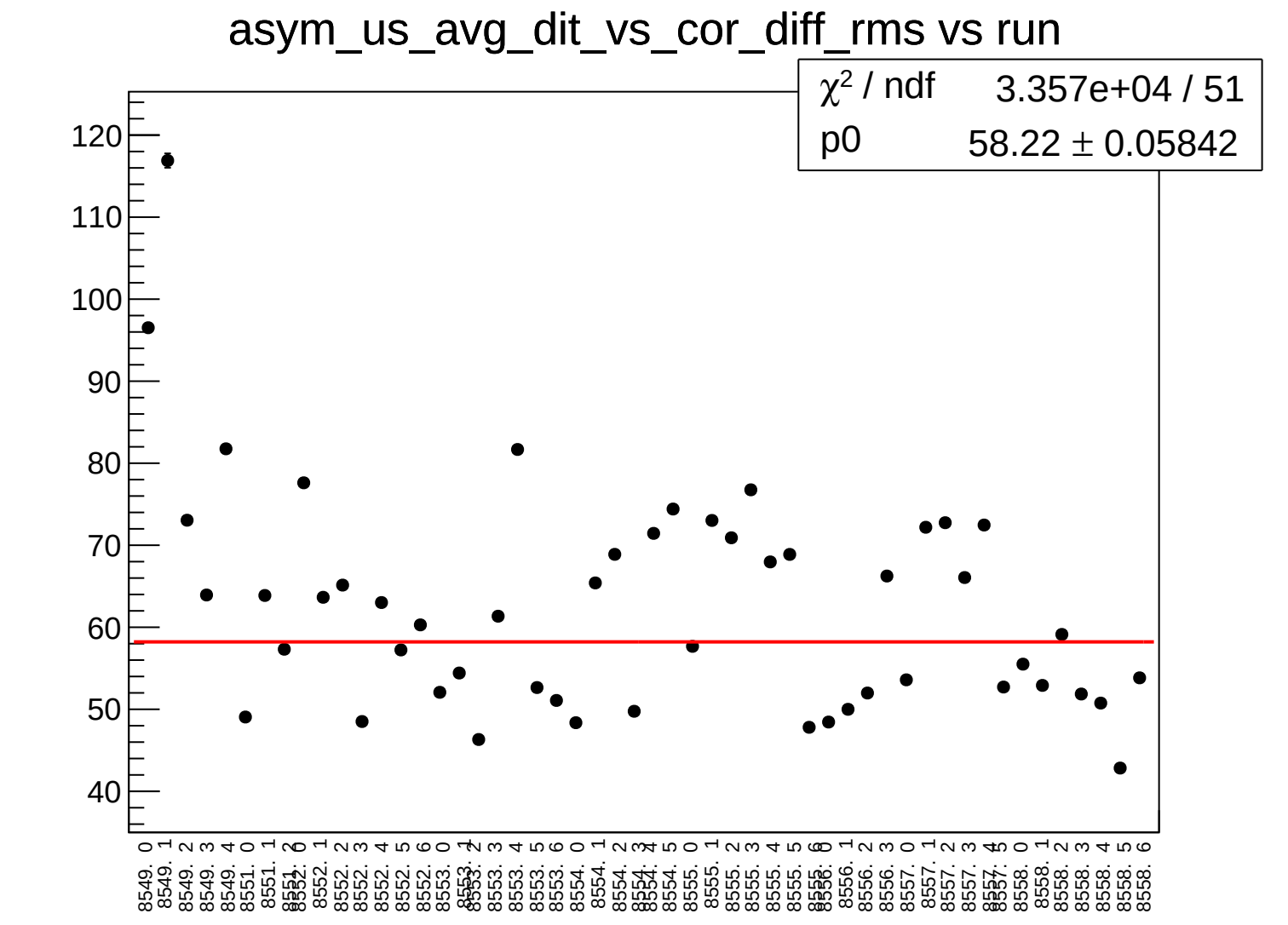

asym_us_avg_reg_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 56.35 / 51
p0 −2.146e−13 ± 1.79e−13
pull
Entries 52
Mean −10.94
Std Dev 0

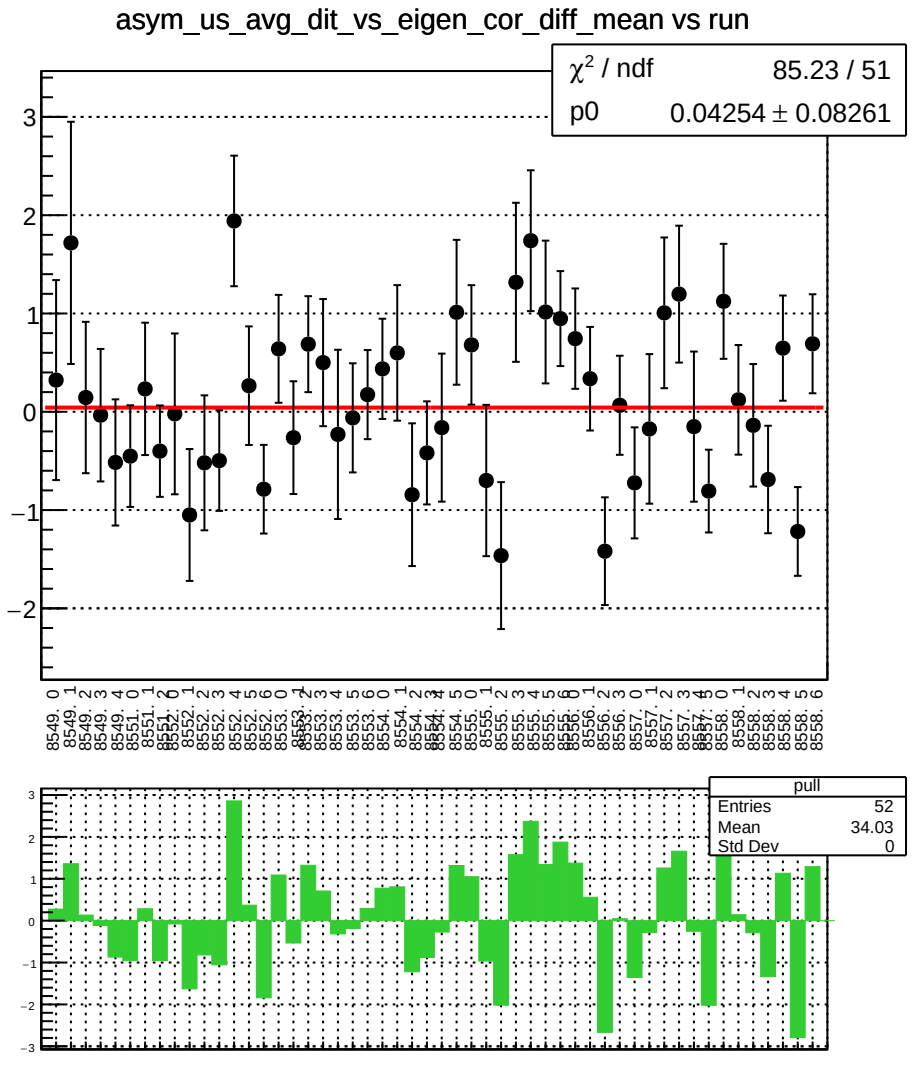

pull1D
Entries 52
Mean 0.04836
Std Dev 1.04

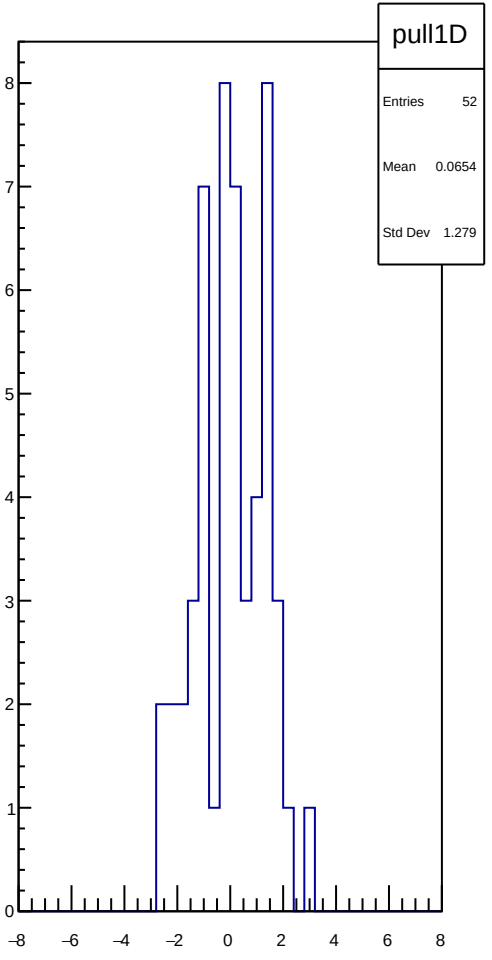

asym_us_avg_reg_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 3.609e+05 / 51
p0 1.033e−10 ± 1.265e−13
0.45
0.4
0.35
0.3
0.25
0.2
0.15
0.1
0.05
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

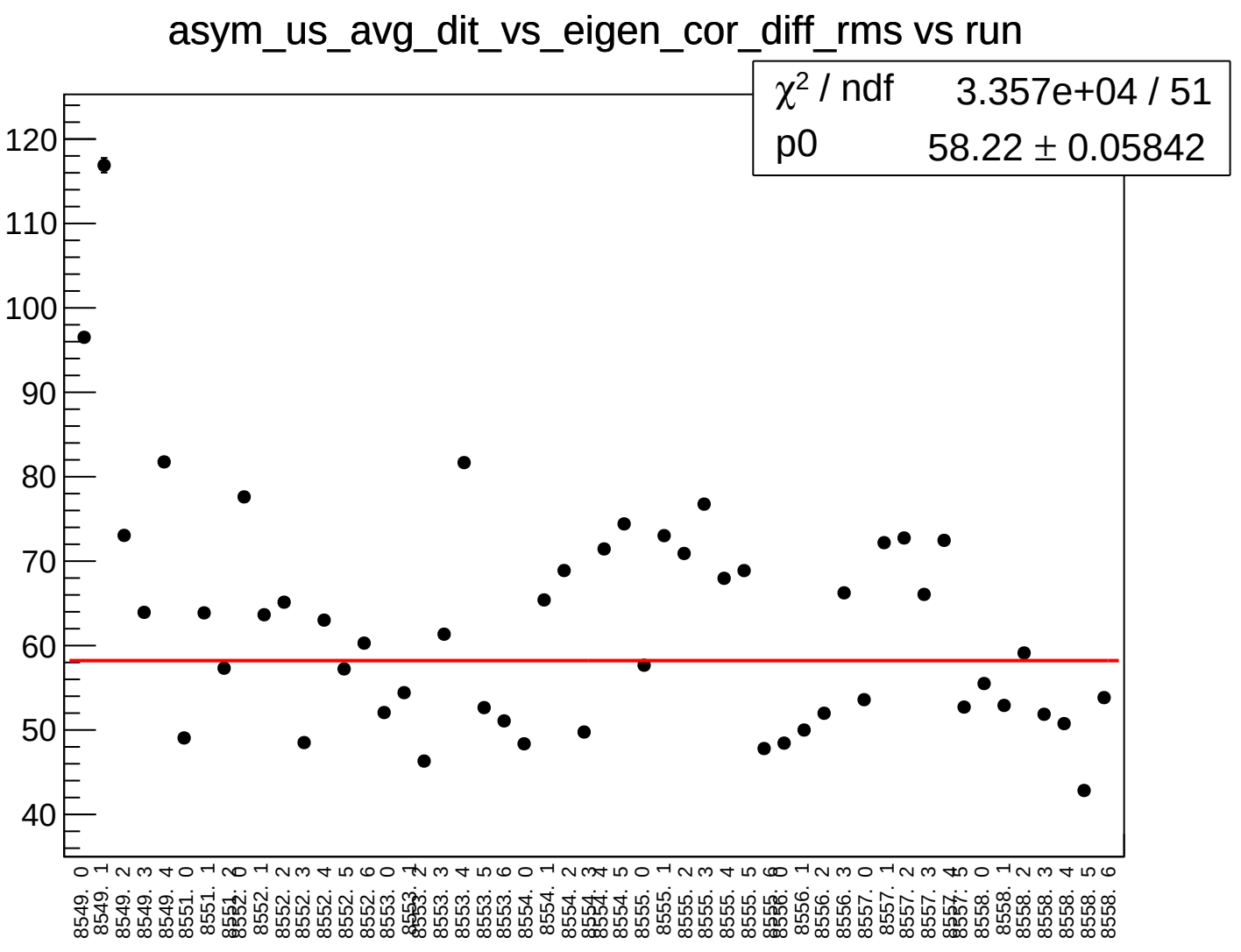

asym_us_avg_dit_vs_cor_diff_mean vs run
χ² / ndf 85.23 / 51
p0 0.04254 ± 0.08261
pull
Entries 52
Mean 34.03
Std Dev 0

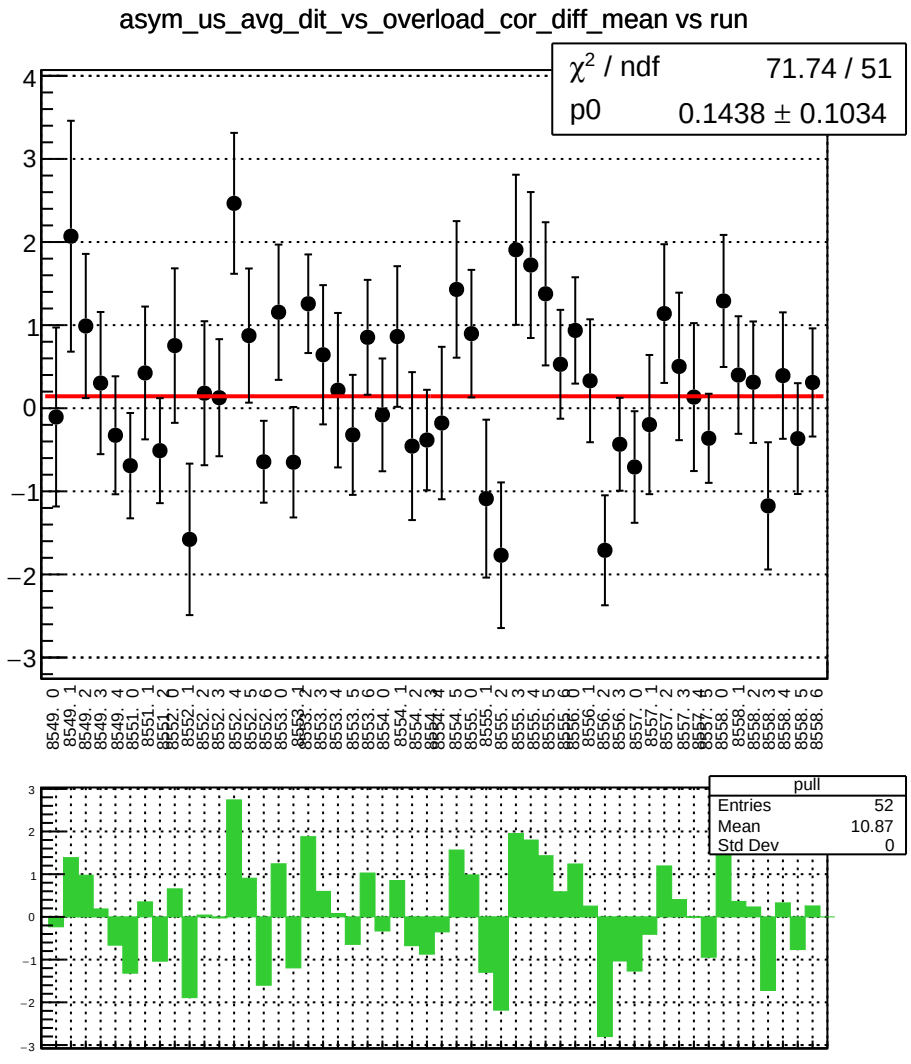

pull1D
Entries 52
Mean 0.0654
Std Dev 1.279

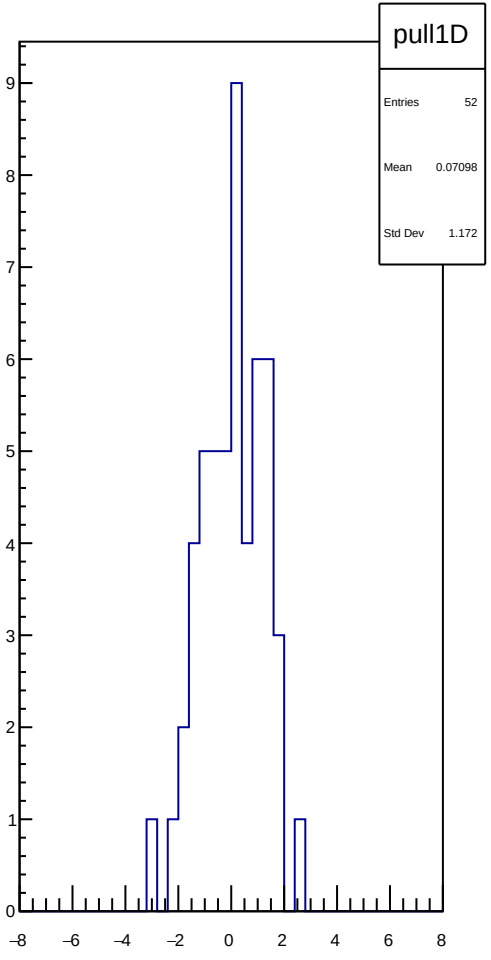

asym_us_avg_dit_vs_cor_diff_rms vs run
χ² / ndf 3.357e+04 / 51
p0 58.22 ± 0.05842
120
110
100
90
80
70
60
50
40
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 5
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

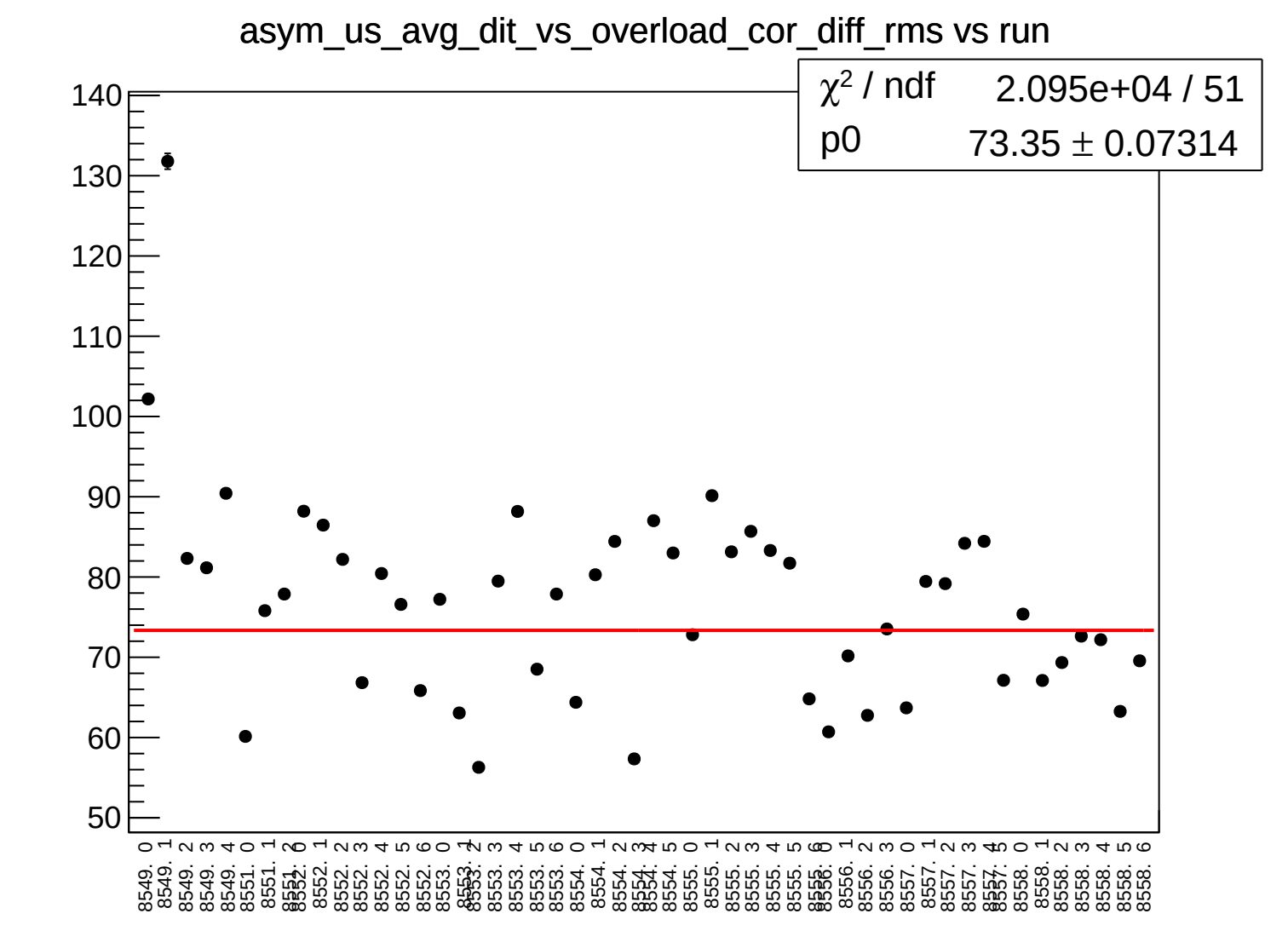

asym_us_avg_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 85.23 / 51
p0 0.04254 ± 0.08261
pull
Entries 52
Mean 34.03
Std Dev 0


pull1D
Entries 52
Mean 0.0654
Std Dev 1.279


asym_us_avg_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 3.357e+04 / 51
p0 58.22 ± 0.05842
120
110
100
90
80
70
60
50
40
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 5
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6


asym_us_avg_dit_vs_overload_cor_diff_mean vs run
χ² / ndf 71.74 / 51
p0 0.1438 ± 0.1034
pull
Entries 52
Mean 10.87
Std Dev 0


pull1D
Entries 52
Mean 0.07098
Std Dev 1.172


asym_us_avg_dit_vs_overload_cor_diff_rms vs run
χ² / ndf 2.095e+04 / 51
p0 73.35 ± 0.07314
140
130
120
110
100
90
80
70
60
50
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 5
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
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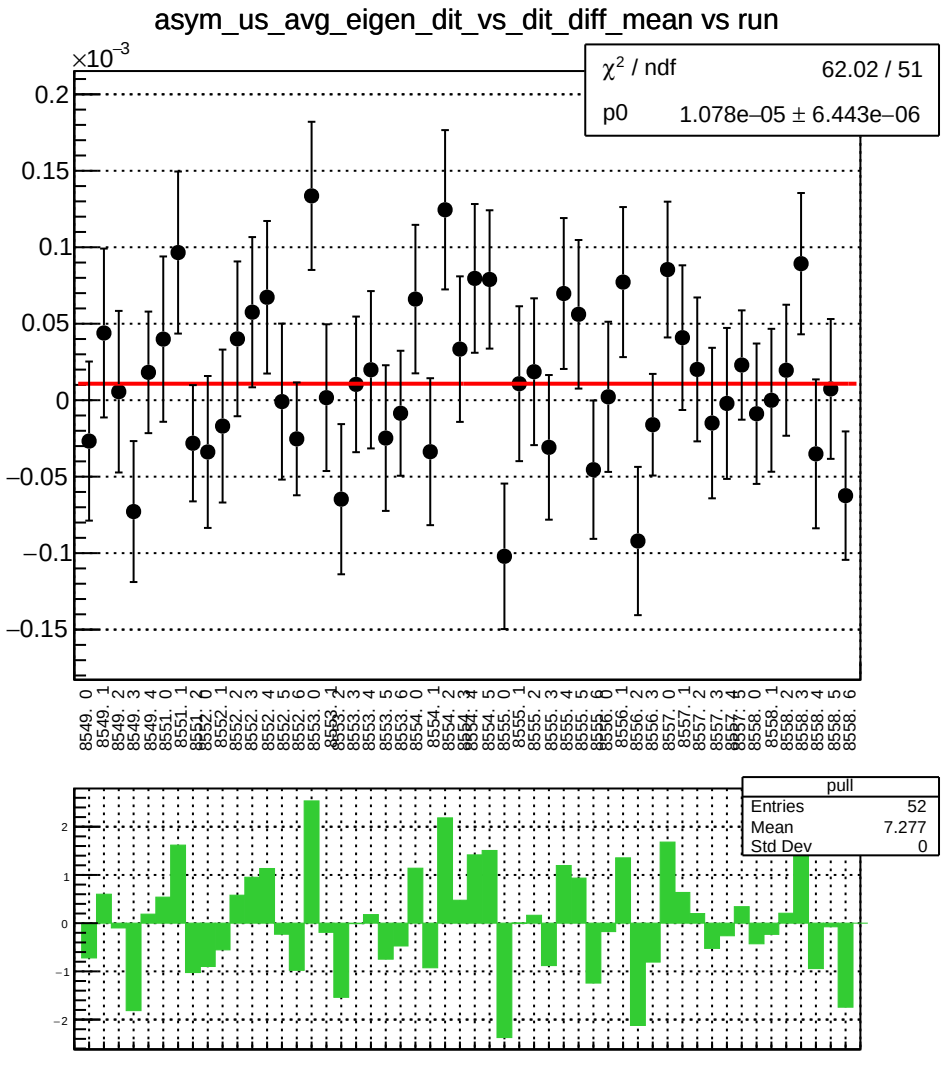
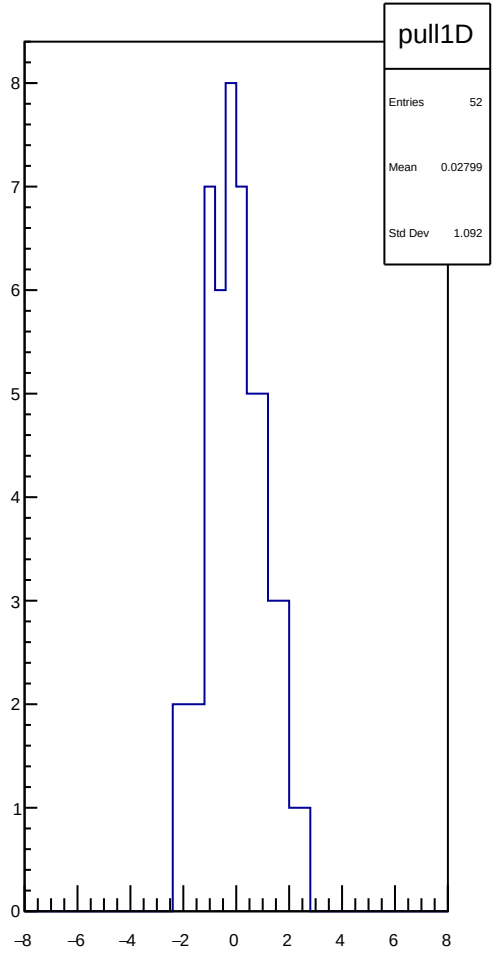
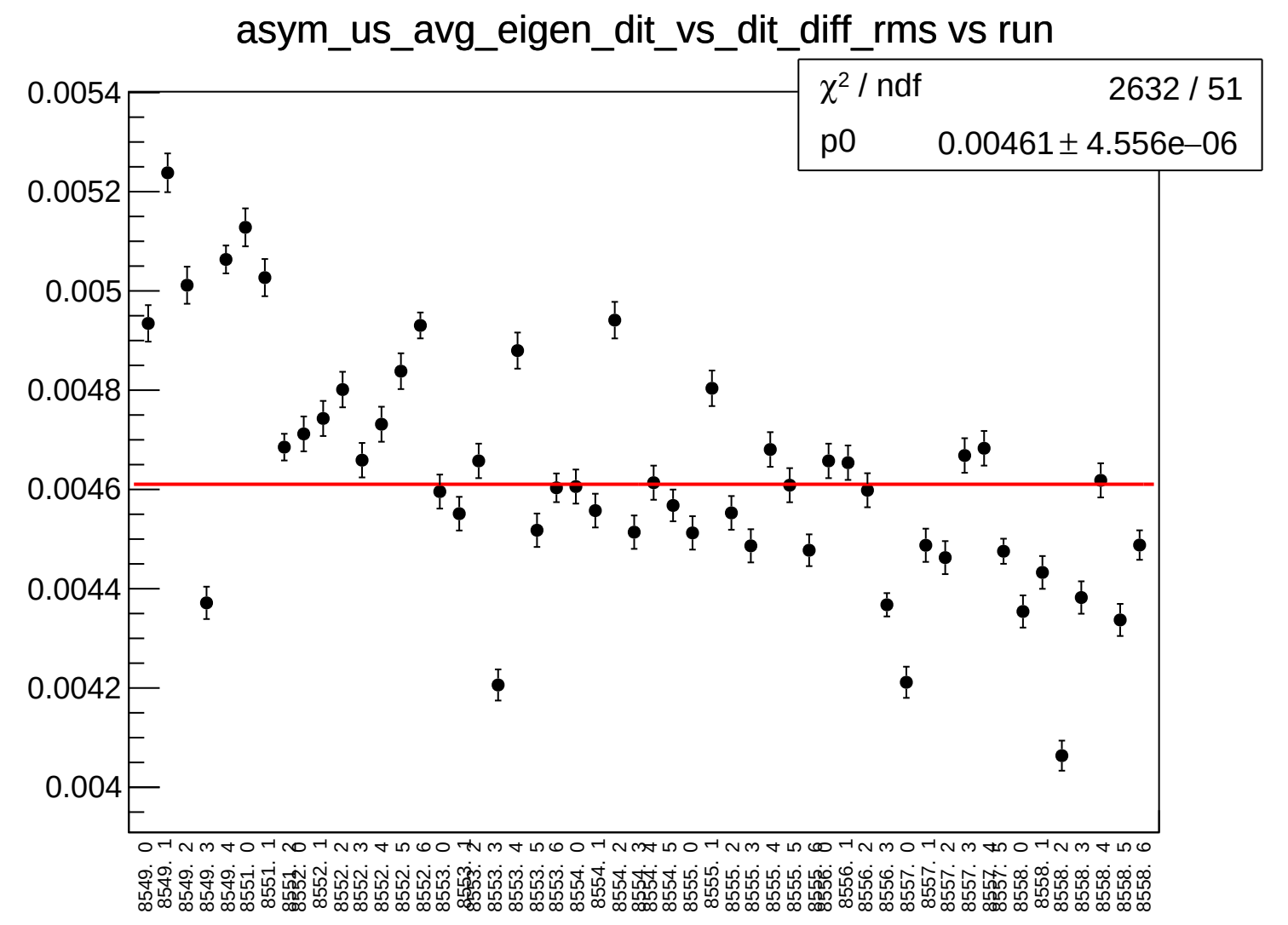
8558. 5
8558. 6


asym_us_avg_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 62.02 / 51
p0 1.078e−05 ± 6.443e−06
pull
Entries 52
Mean 7.277
Std Dev 0


pull1D
Entries 52
Mean 0.02799
Std Dev 1.092


asym_us_avg_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 2632 / 51
p0 0.00461 ± 4.556e–06
0.0054
0.0052
0.005
0.0048
0.0046
0.0044
0.0042
0.004
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 5
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
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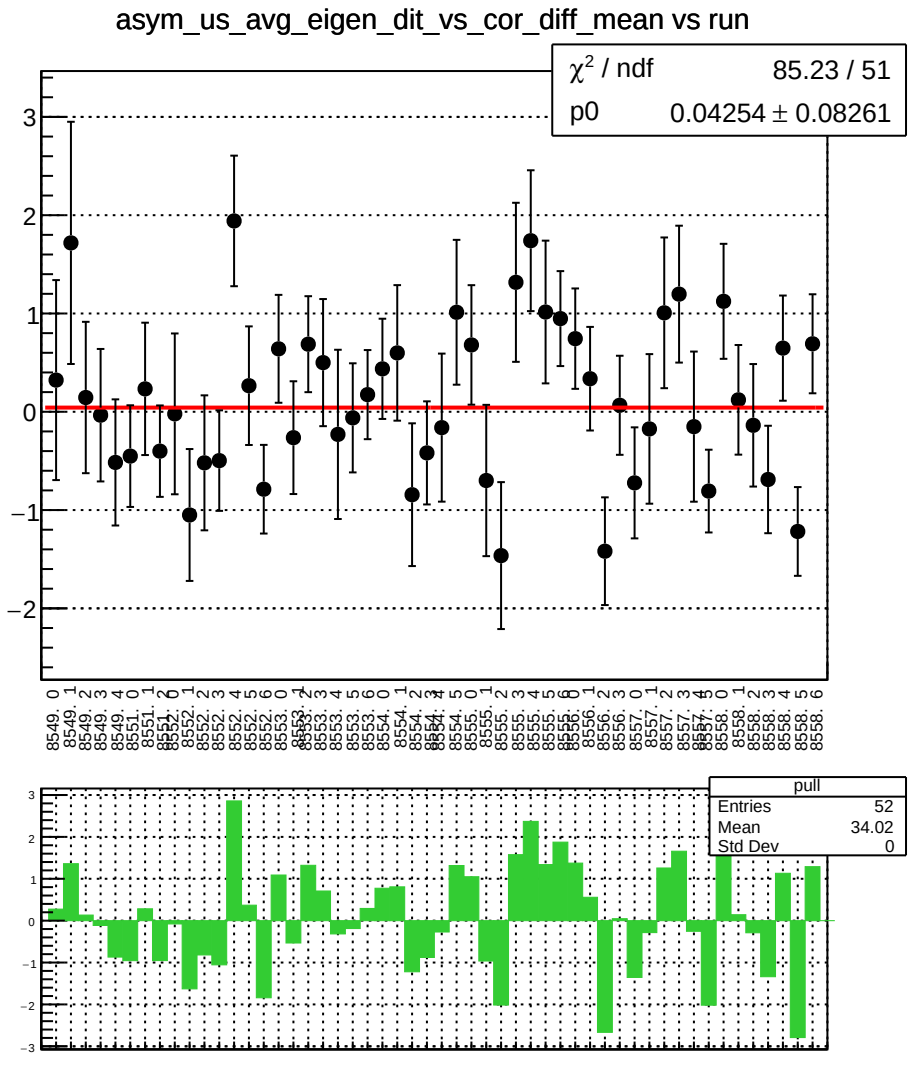
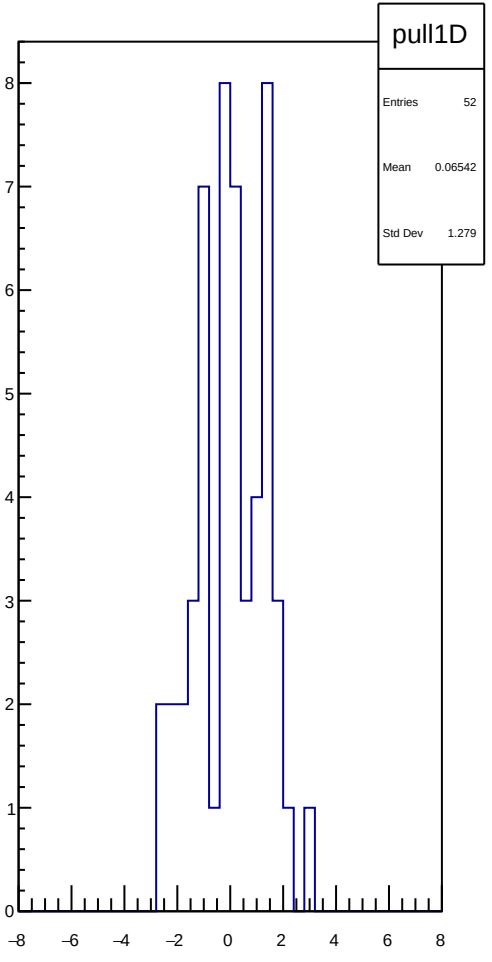
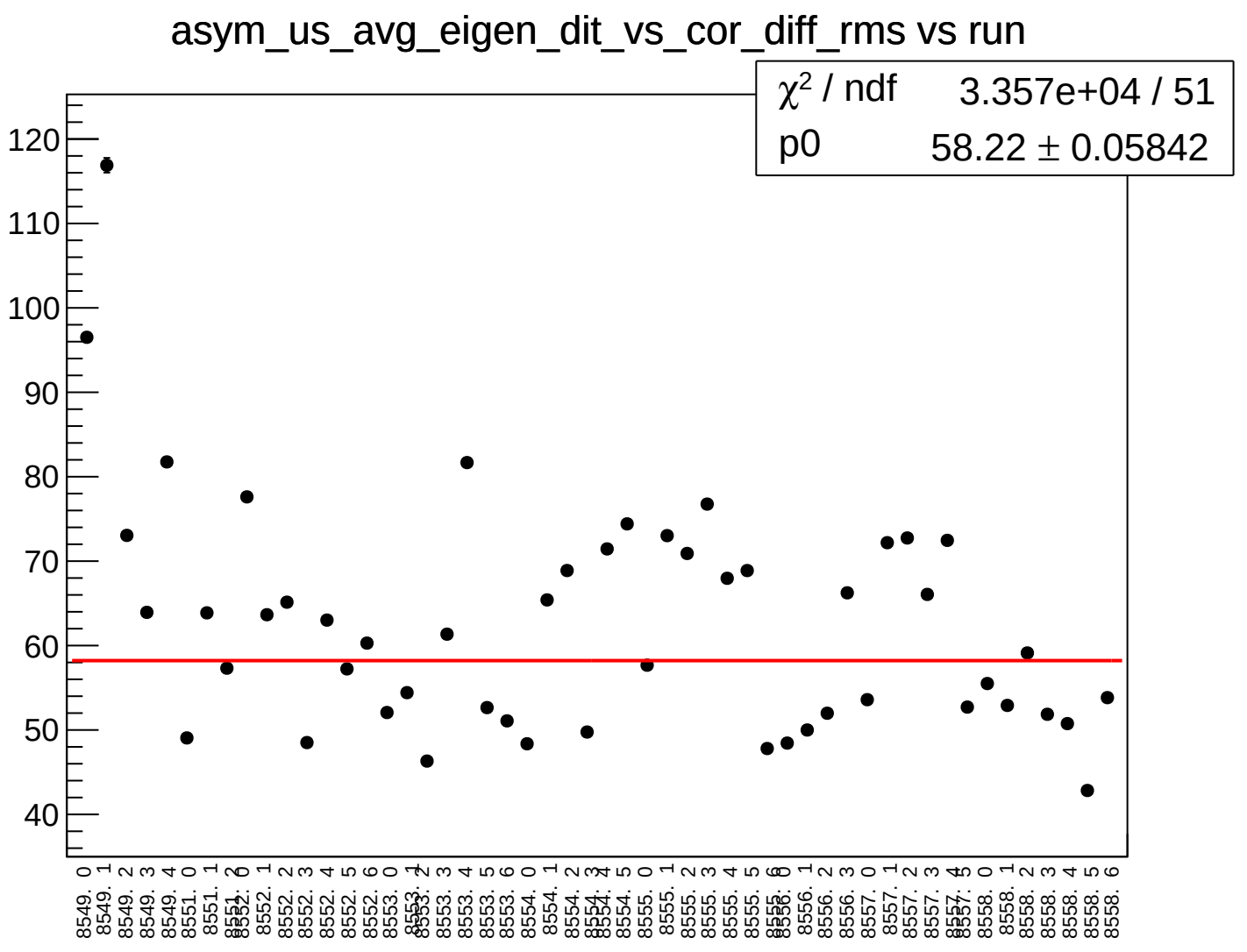
8558. 5
8558. 6


asym_us_avg_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 85.23 / 51
p0 0.04254 ± 0.08261
pull
Entries 52
Mean 34.02
Std Dev 0


pull1D
Entries 52
Mean 0.06542
Std Dev 1.279


asym_us_avg_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 3.357e+04 / 51
p0 58.22 ± 0.05842
120
110
100
90
80
70
60
50
40
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
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8555. 0
8555. 1
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8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
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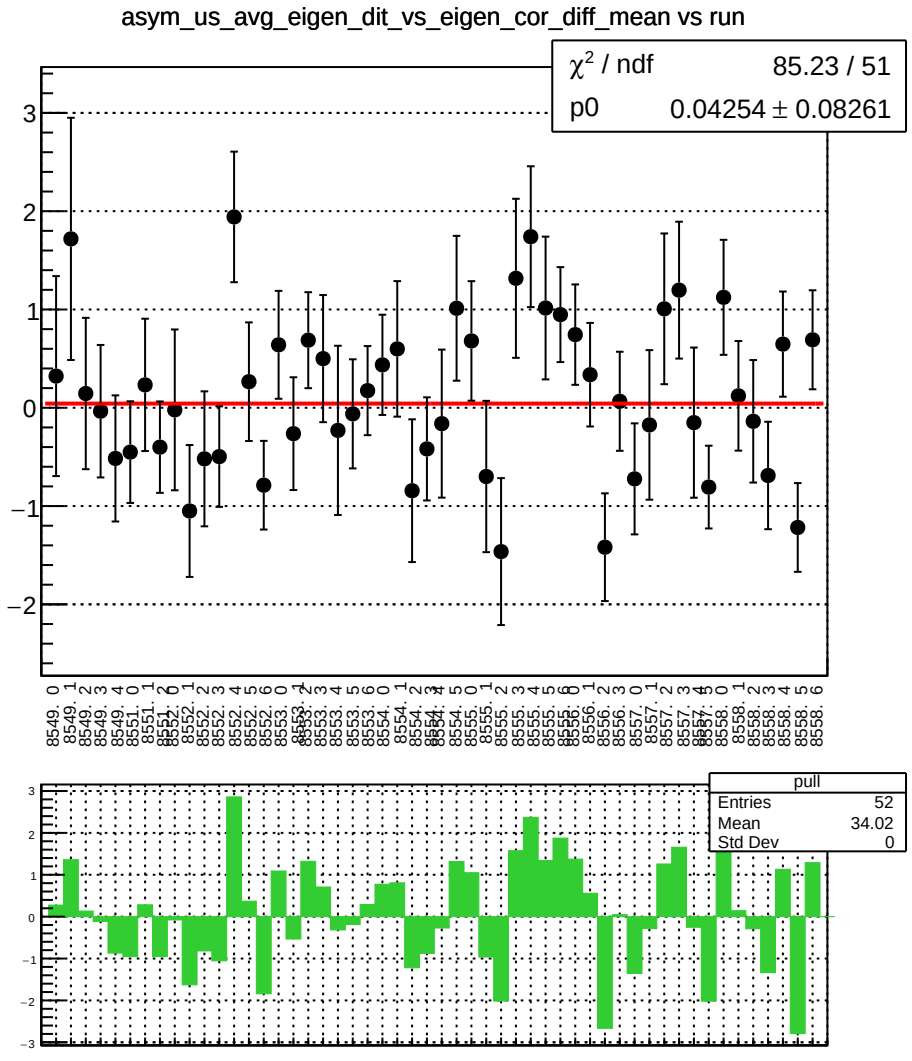
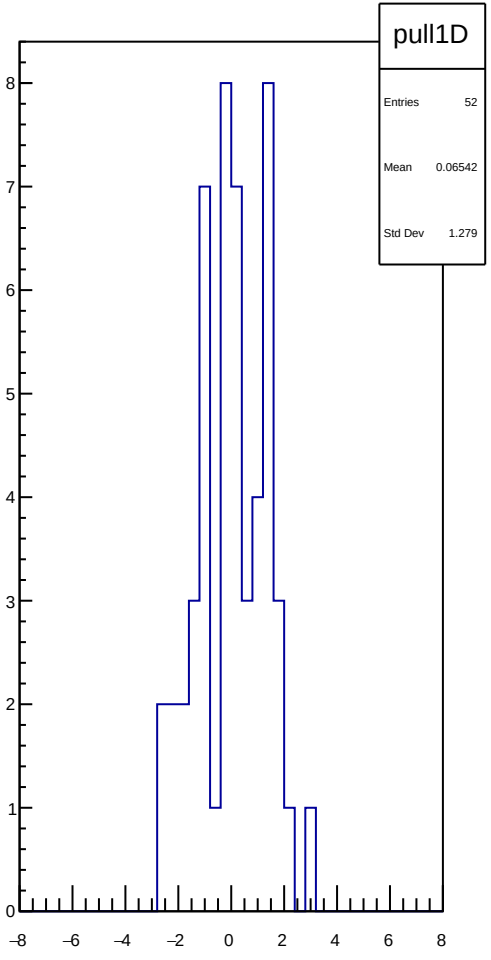
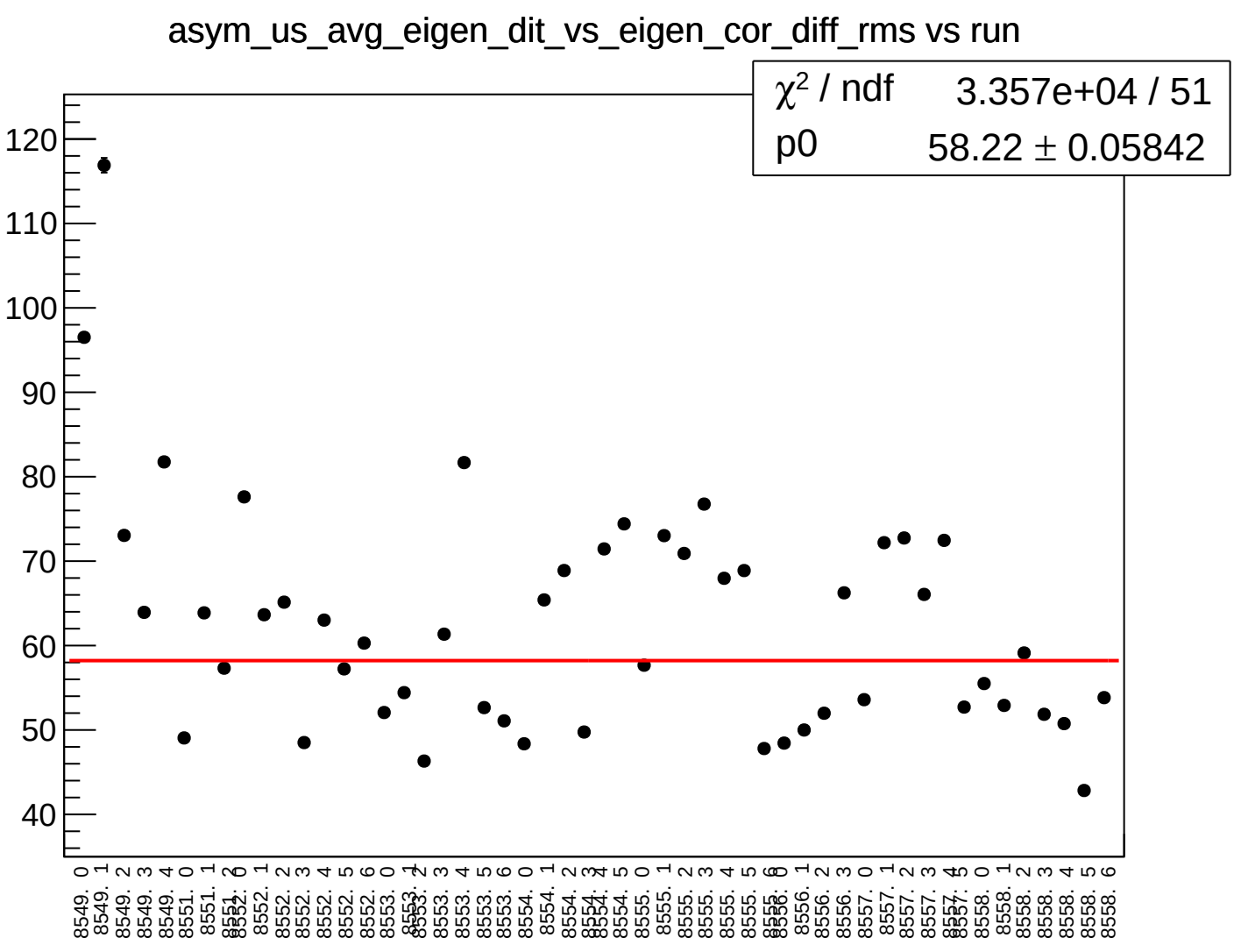
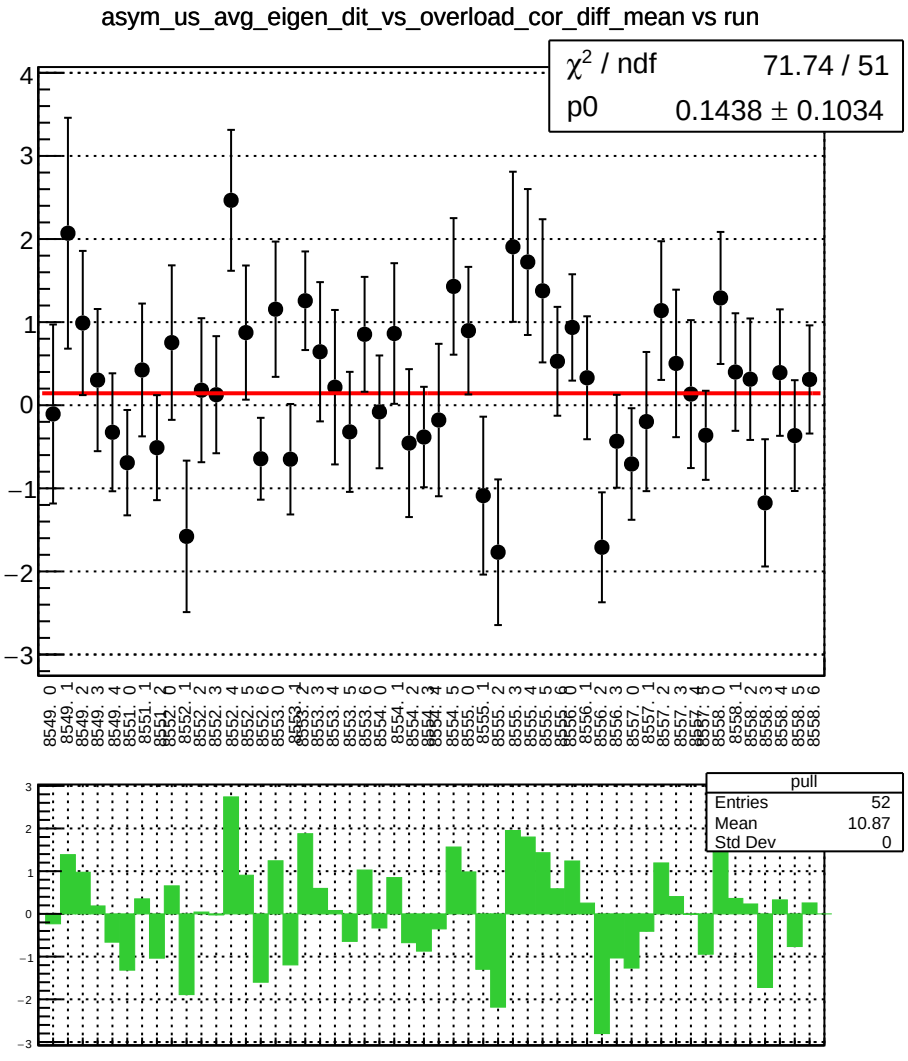
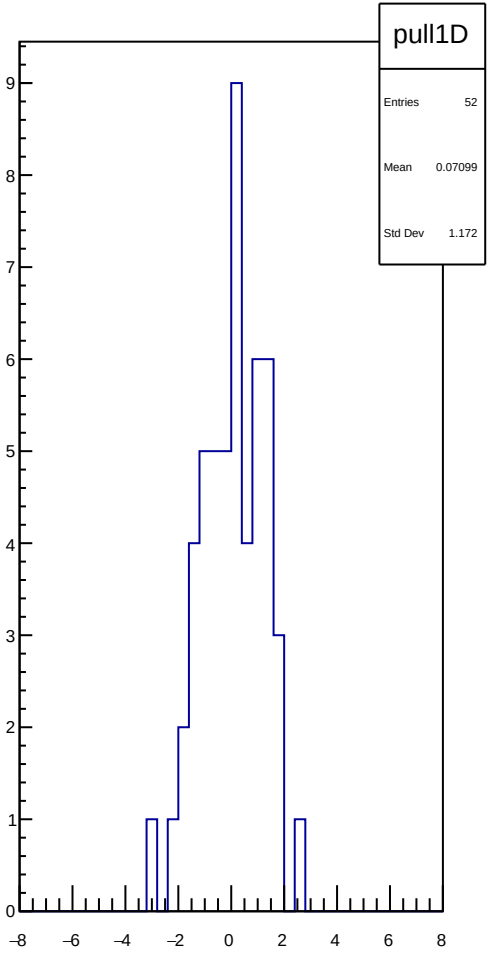
8558. 6

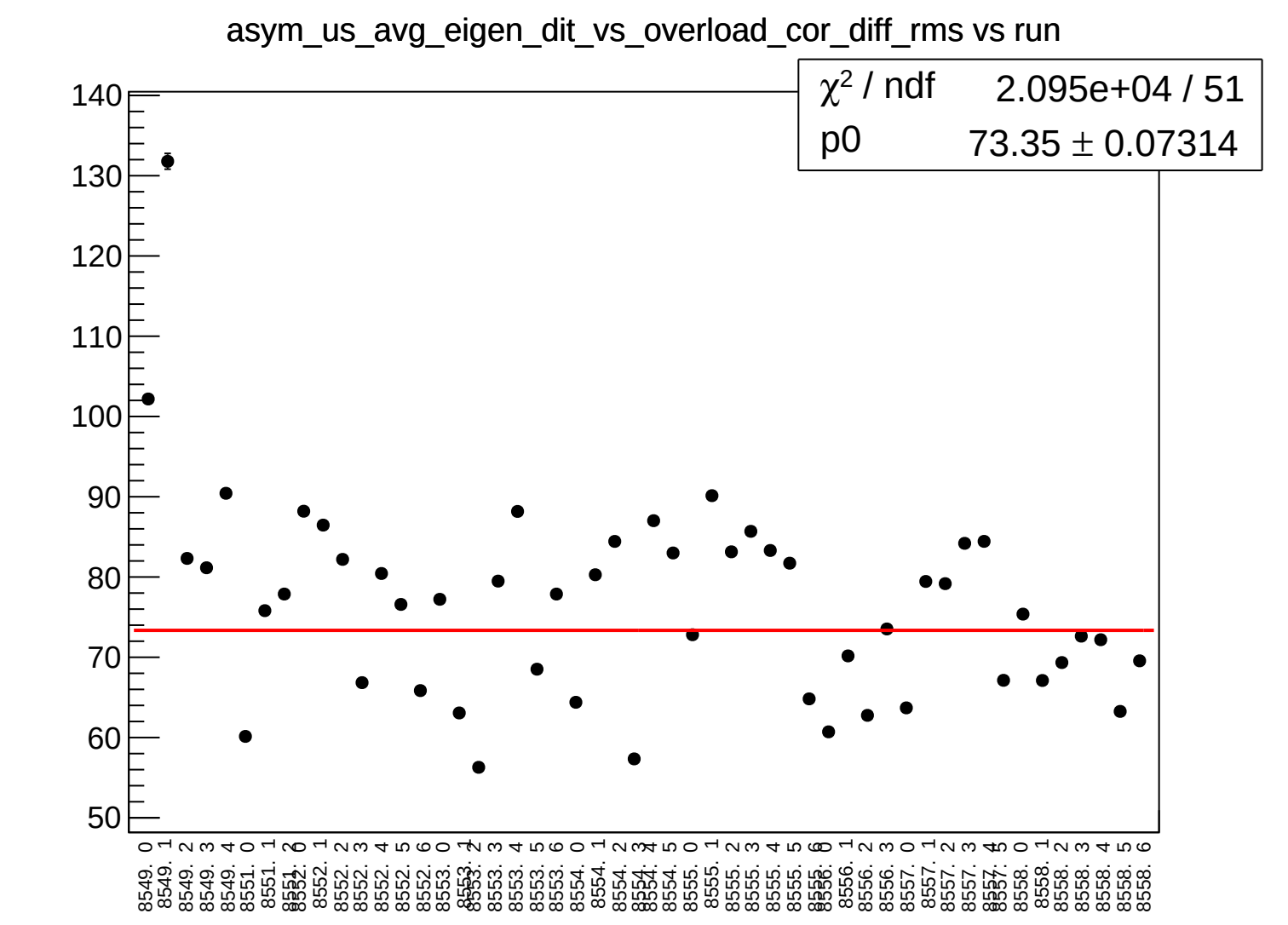

asym_us_avg_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 85.23 / 51
p0 0.04254 ± 0.08261
pull
Entries 52
Mean 34.02
Std Dev 0


pull1D
Entries 52
Mean 0.06542
Std Dev 1.279


asym_us_avg_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 3.357e+04 / 51
p0 58.22 ± 0.05842
120
110
100
90
80
70
60
50
40
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 5
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6


asym_us_avg_eigen_dit_vs_overload_cor_diff_mean vs run
χ² / ndf 71.74 / 51
p0 0.1438 ± 0.1034
pull
Entries 52
Mean 10.87
Std Dev 0


pull1D
Entries 52
Mean 0.07099
Std Dev 1.172


asym_us_avg_eigen_dit_vs_overload_cor_diff_rms vs run
χ² / ndf 2.095e+04 / 51
p0 73.35 ± 0.07314
140
130
120
110
100
90
80
70
60
50
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
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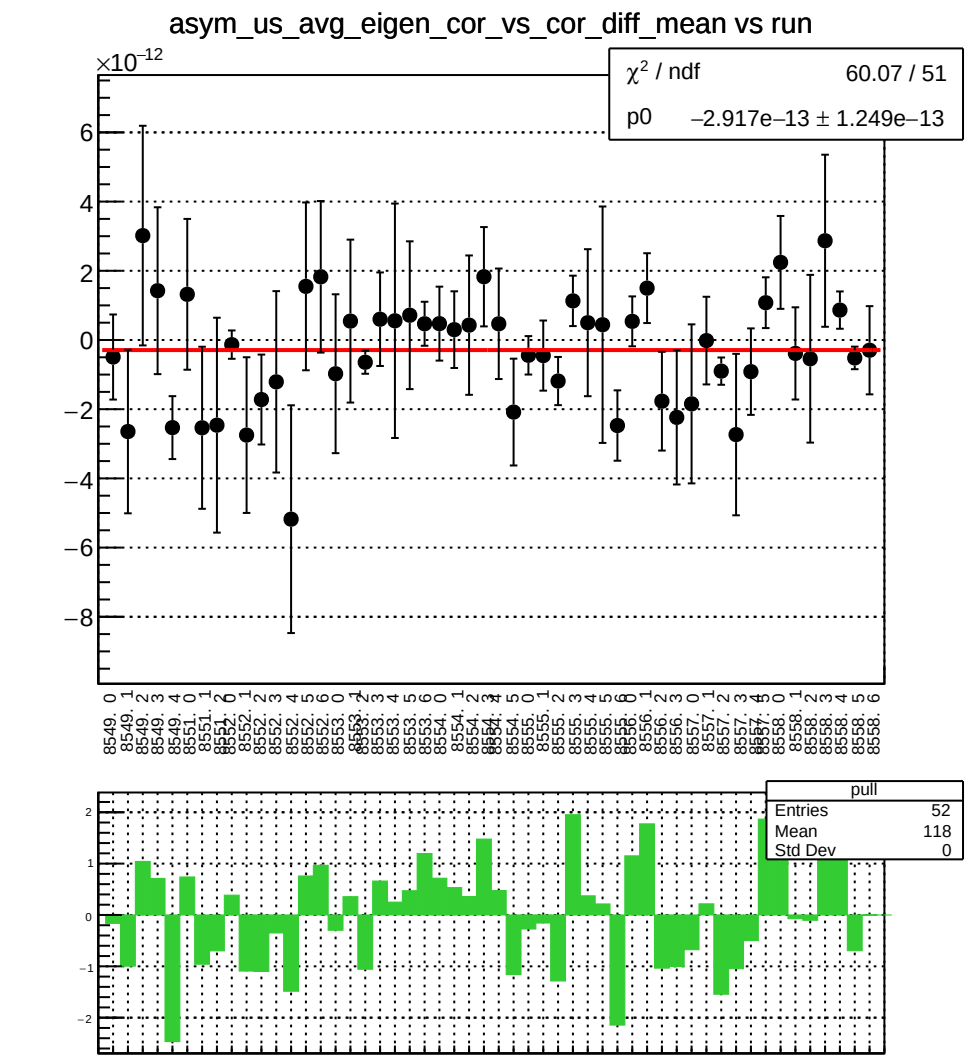
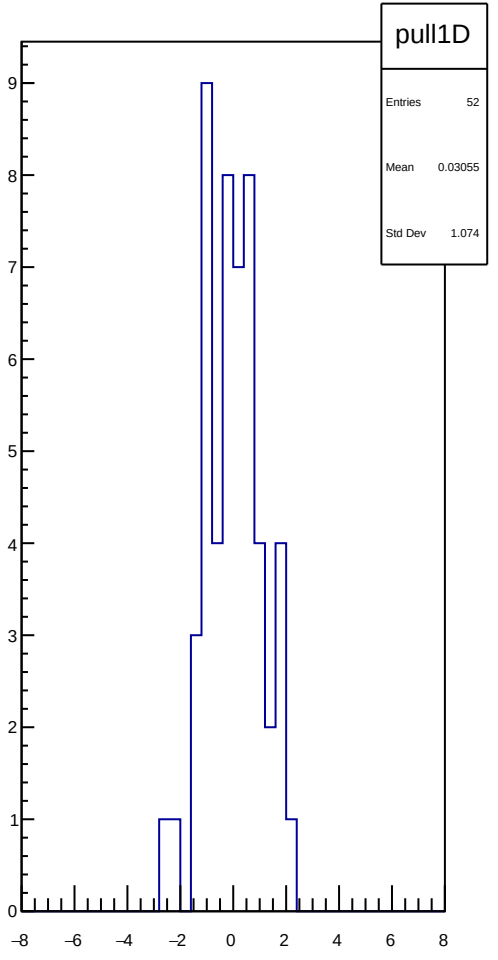
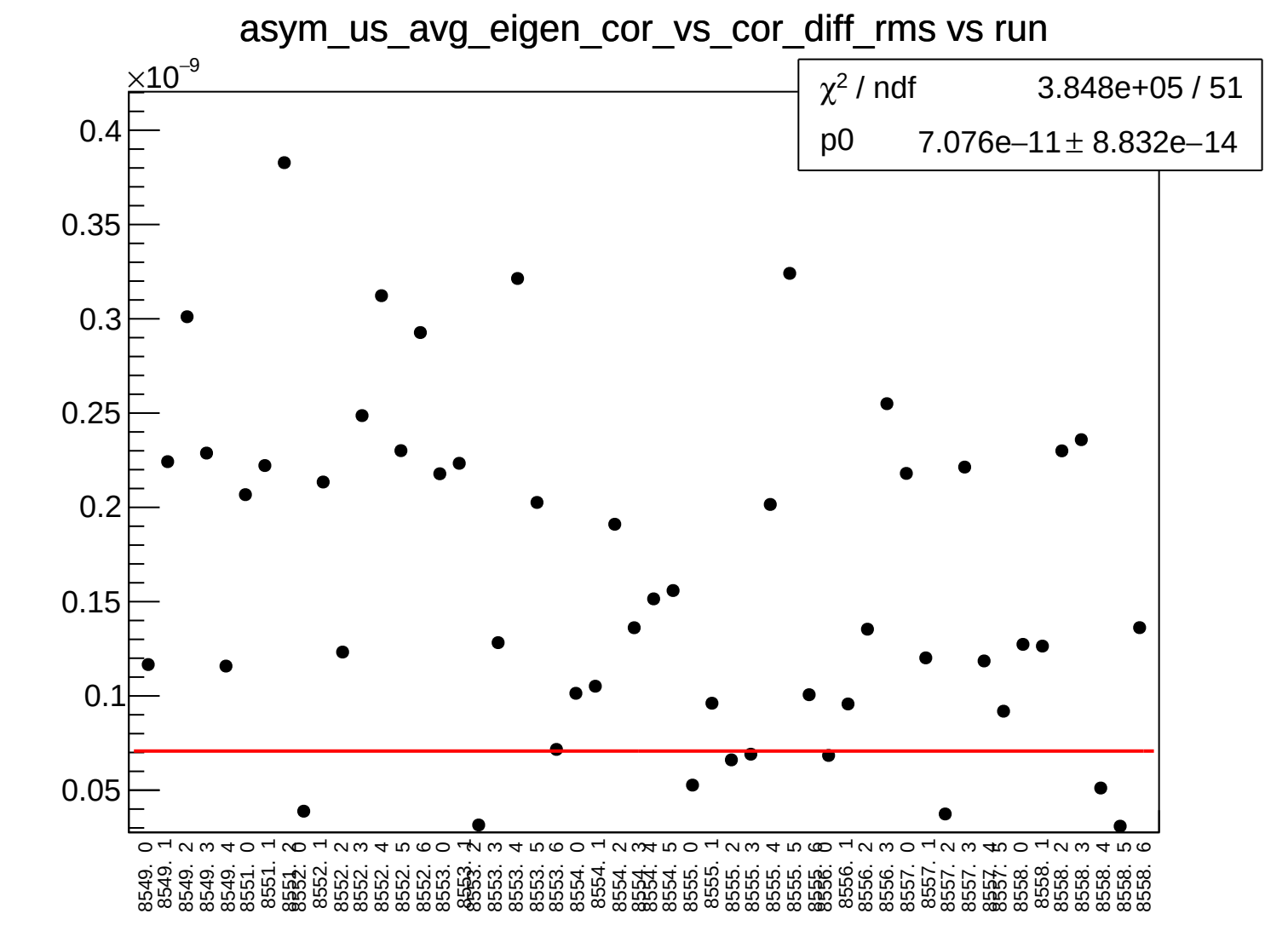
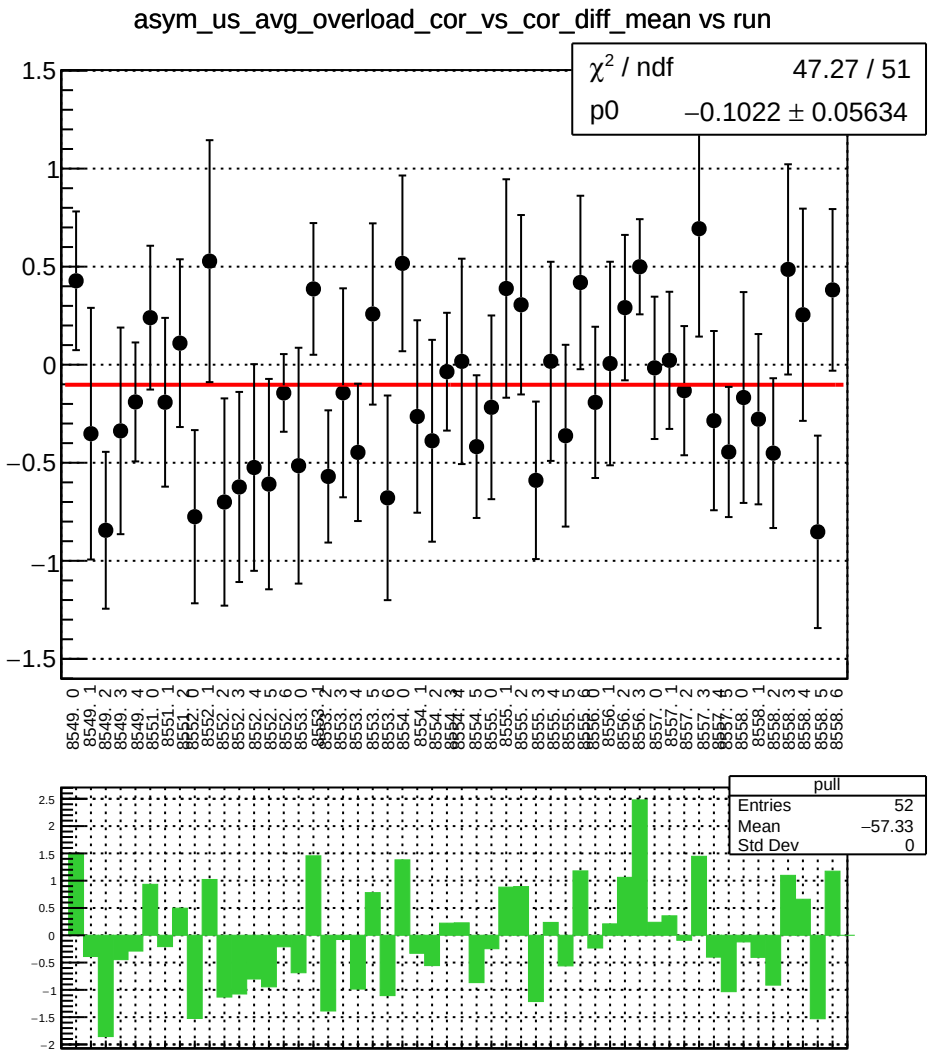
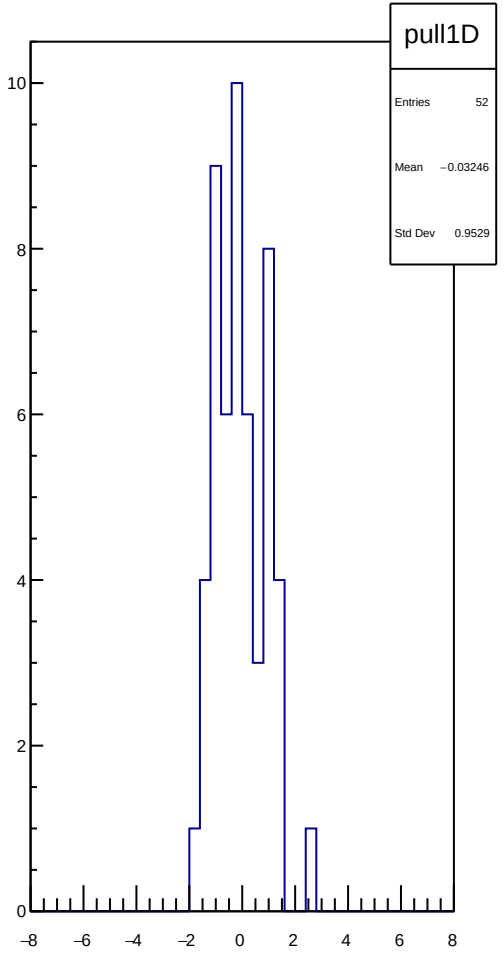
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

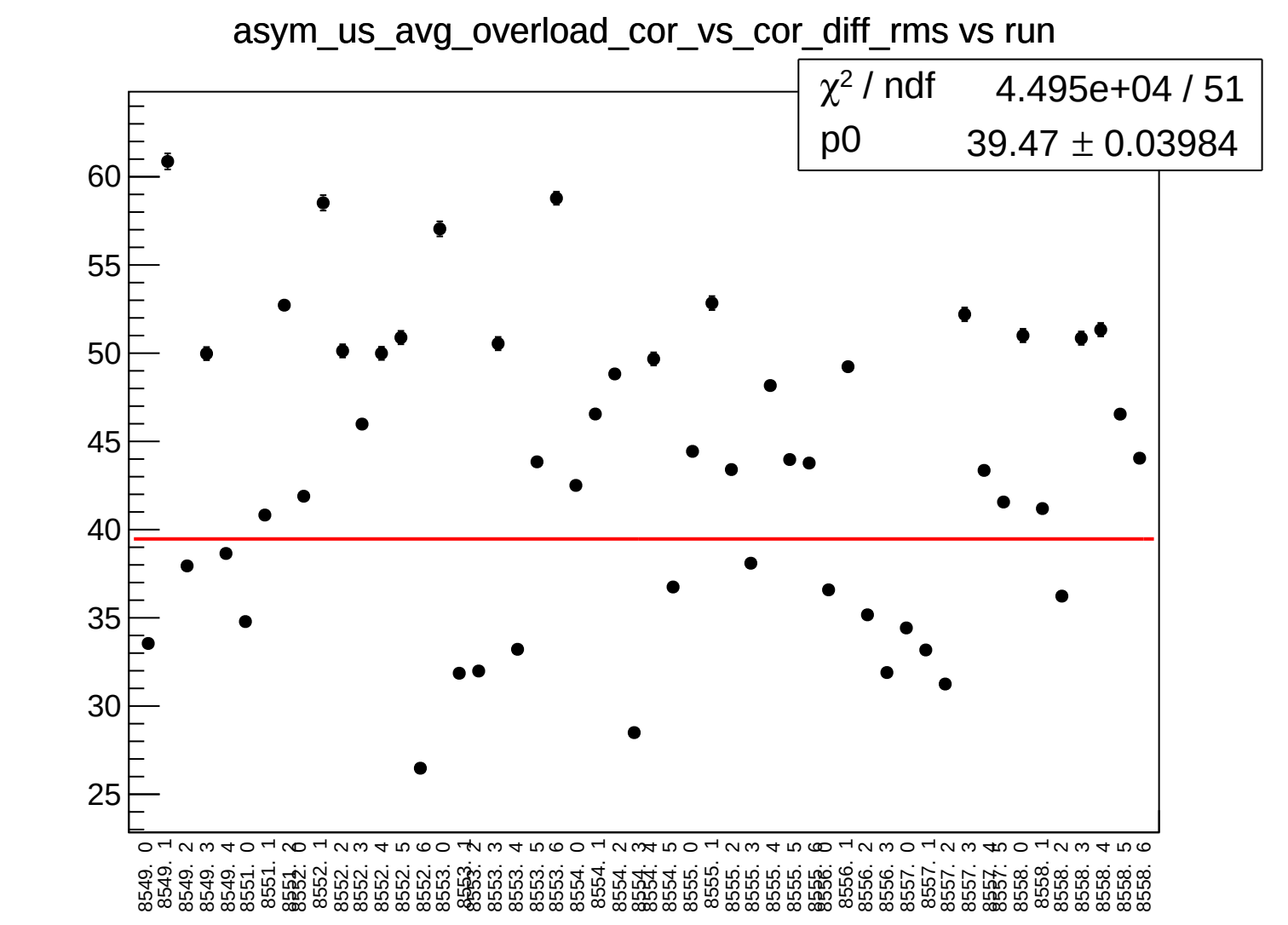

asym_us_avg_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 60.07 / 51
p0 −2.917e−13 ± 1.249e−13
pull
Entries 52
Mean 118
Std Dev 0


pull1D
Entries 52
Mean 0.03055
Std Dev 1.074


asym_us_avg_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 3.848e+05 / 51
p0 7.076e−11 ± 8.832e−14
0.4
0.35
0.3
0.25
0.2
0.15
0.1
0.05
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 0
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 2
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 5
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6


asym_us_avg_overload_cor_vs_cor_diff_mean vs run
χ² / ndf 47.27 / 51
p0 −0.1022 ± 0.05634
pull
Entries 52
Mean −57.33
Std Dev 0


pull1D
Entries 52
Mean −0.03246
Std Dev 0.9529


asym_us_avg_overload_cor_vs_cor_diff_rms vs run
χ² / ndf 4.495e+04 / 51
p0 39.47 ± 0.03984
60
55
50
45
40
35
30
25
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
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8557. 3
8558. 0
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8558. 3
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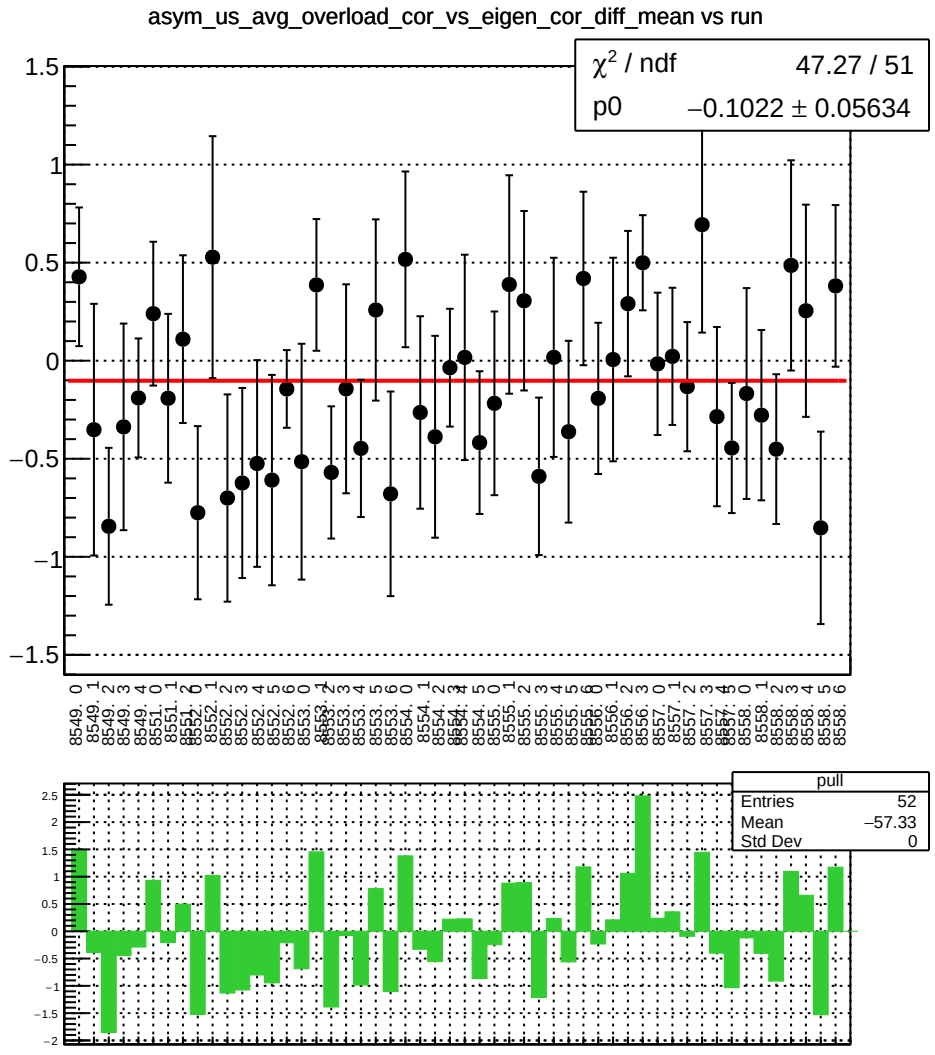
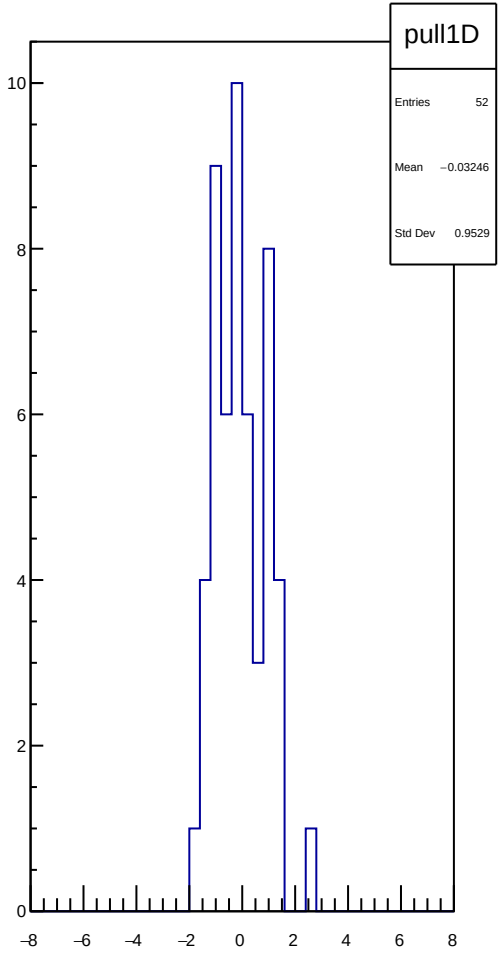
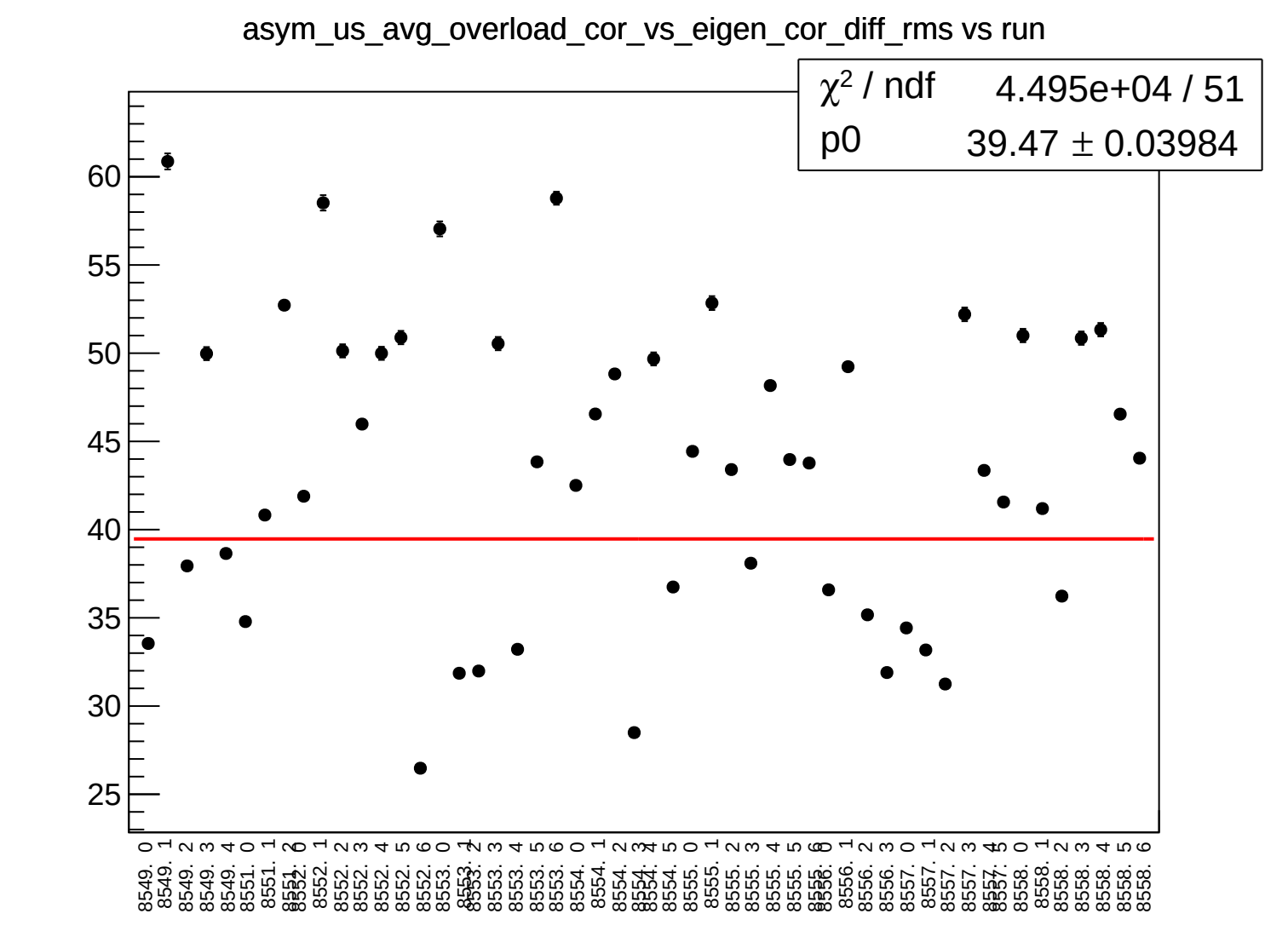
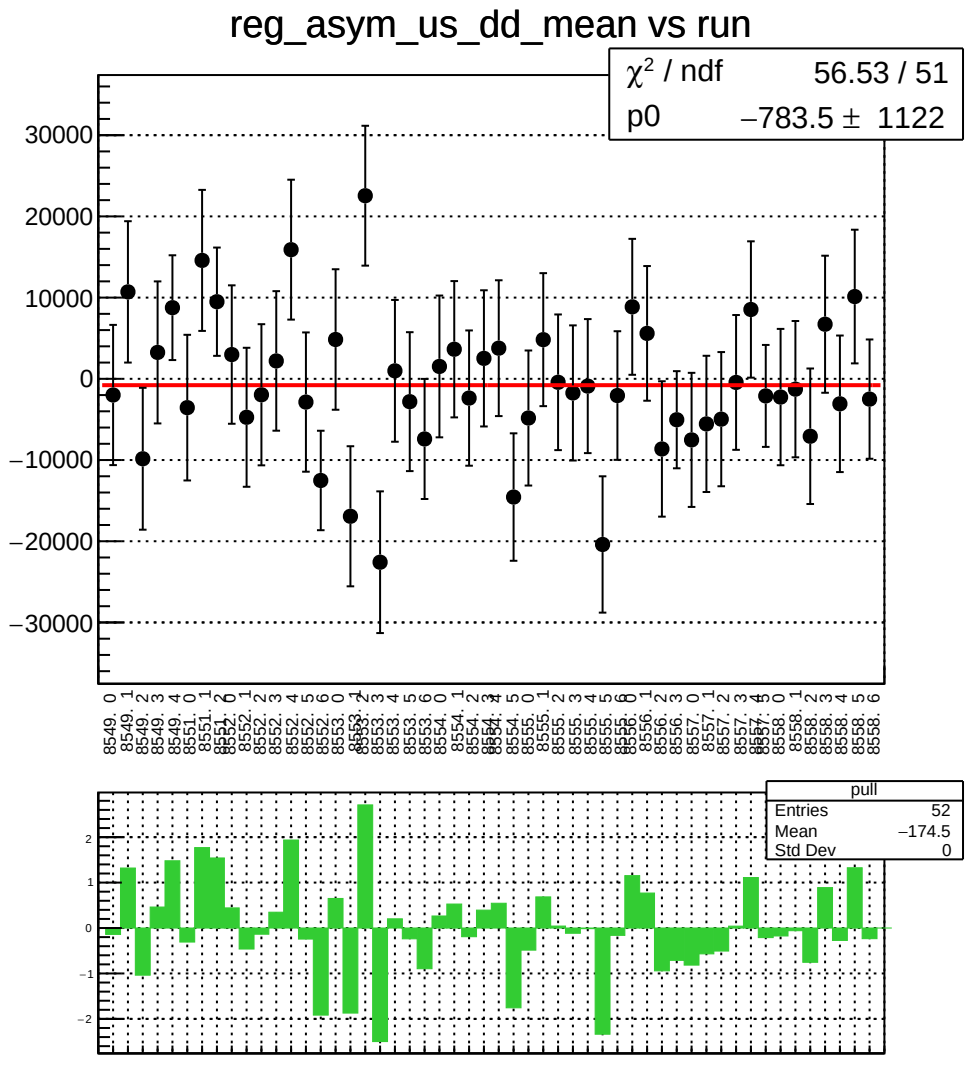
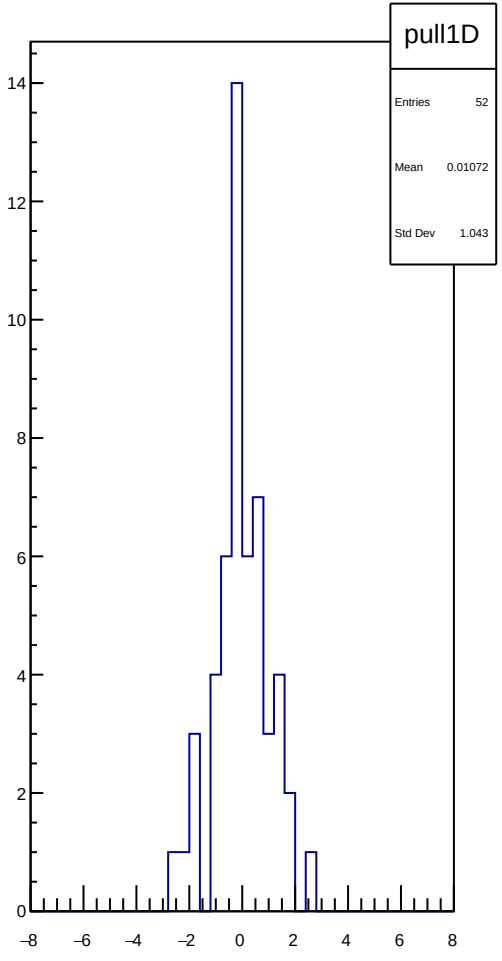
8558. 5
8558. 6

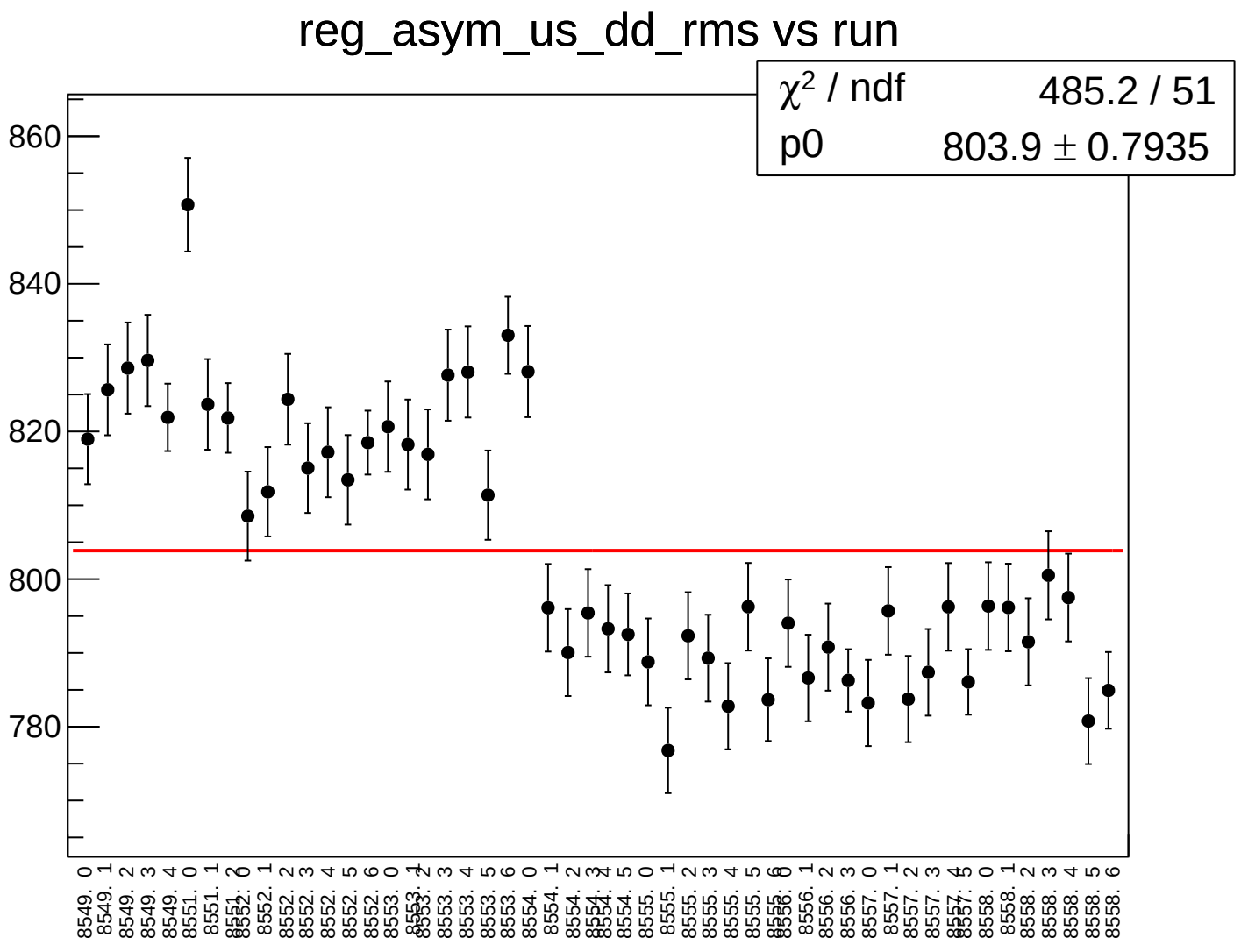

asym_us_avg_overload_cor_vs_eigen_cor_diff_mean vs run
χ² / ndf 47.27 / 51
p0 −0.1022 ± 0.05634
pull
Entries 52
Mean −57.33
Std Dev 0

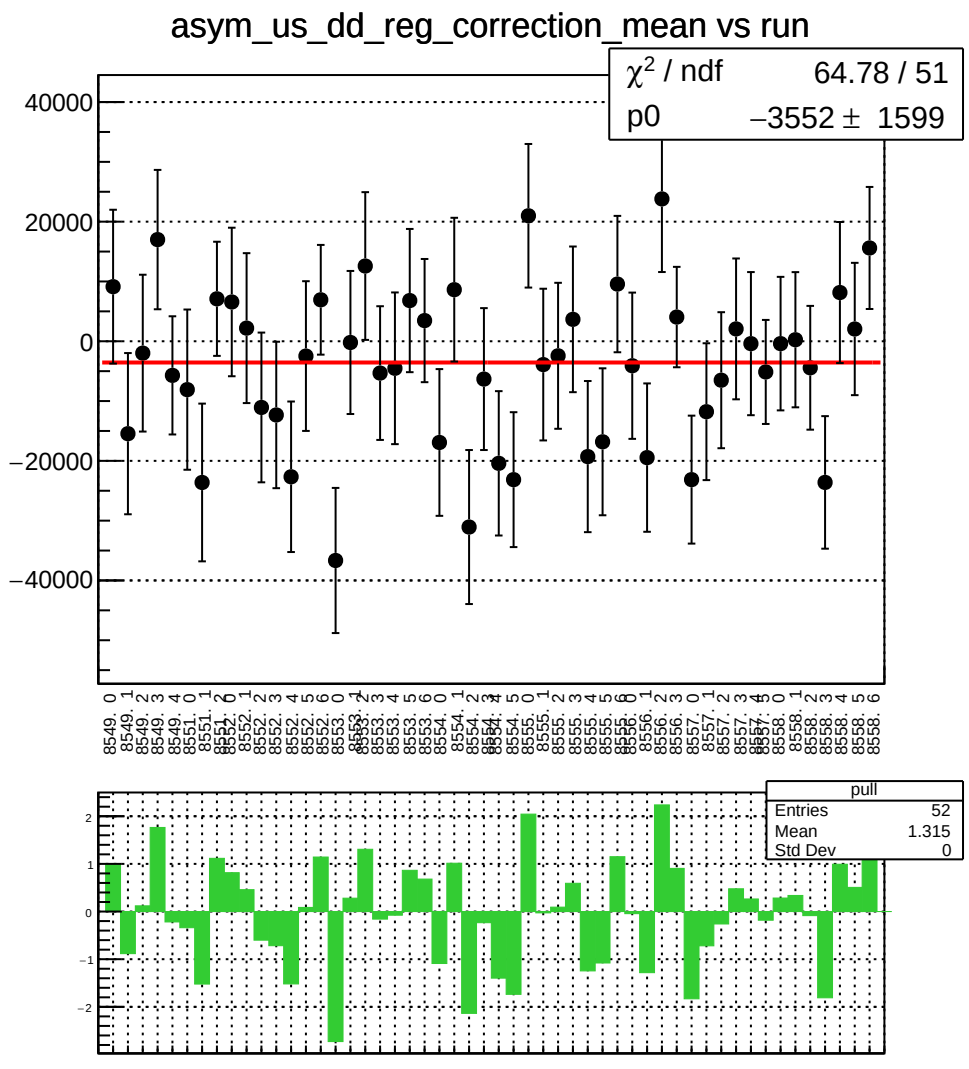

pull1D
Entries 52
Mean −0.03246
Std Dev 0.9529

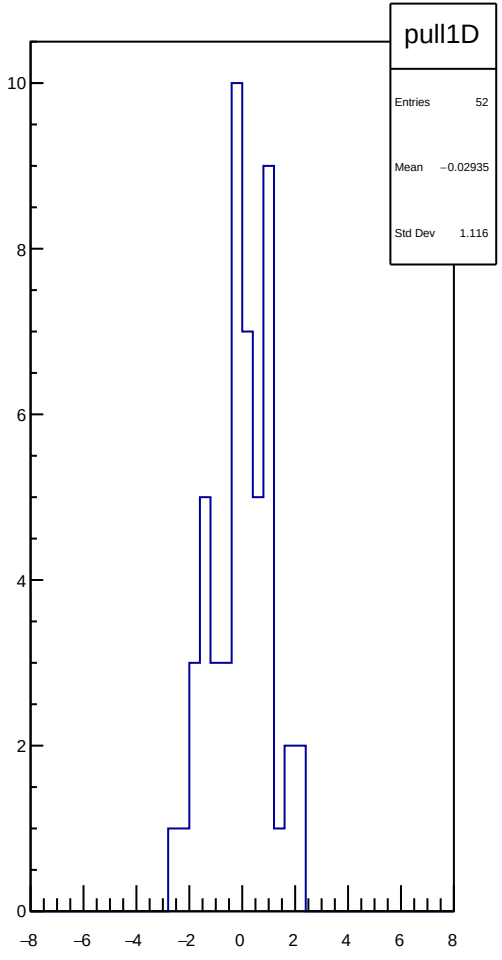

asym_us_avg_overload_cor_vs_eigen_cor_diff_rms vs run
χ² / ndf 4.495e+04 / 51
p0 39.47 ± 0.03984
60
55
50
45
40
35
30
25
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

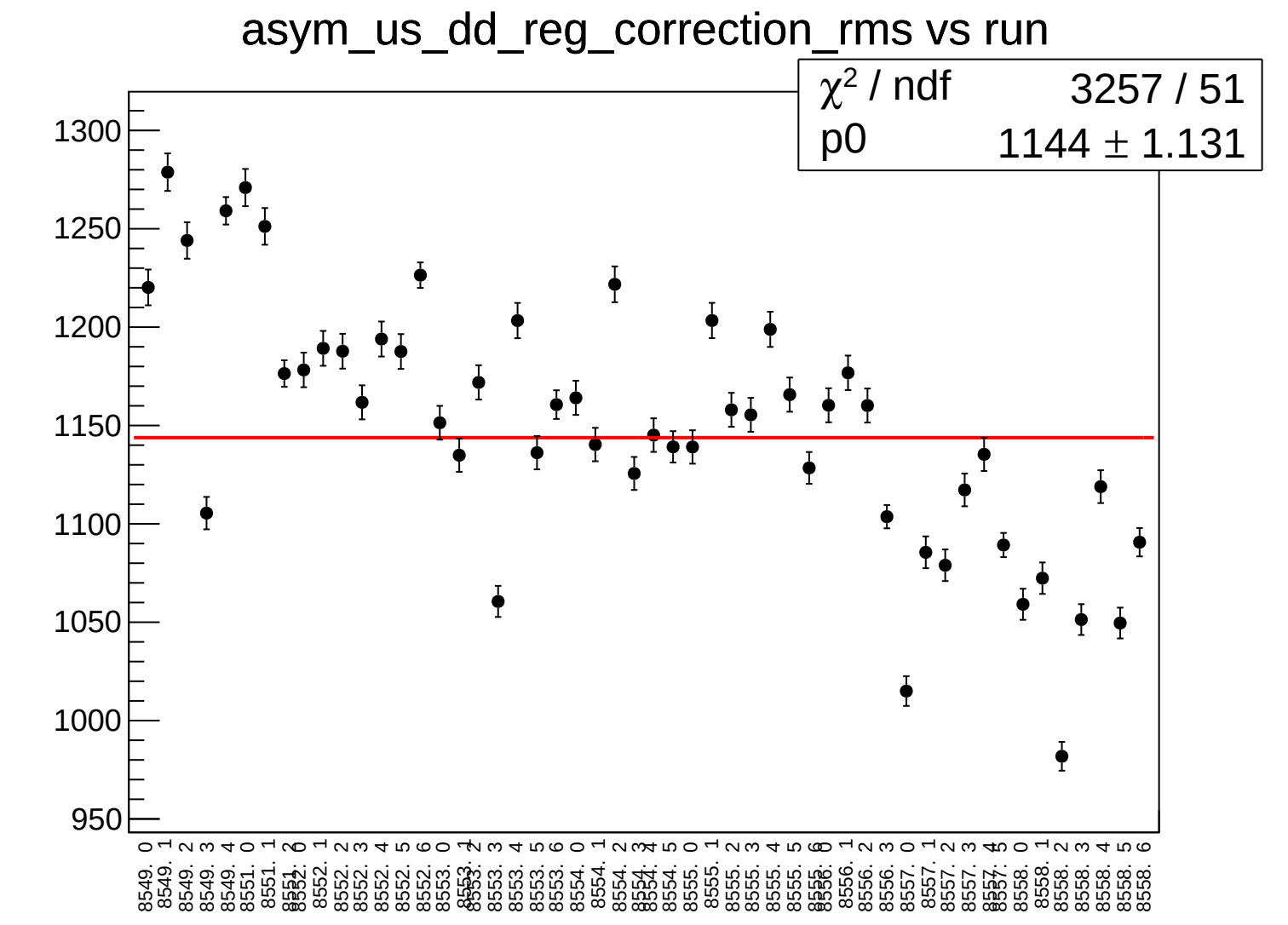

reg_asym_us_dd_mean vs run
χ² / ndf 56.53 / 51
p0 −783.5 ± 1122
30000
20000
10000
0
−10000
−20000
−30000
pull
Entries 52
Mean −174.5
Std Dev 0
2
1
0
−1
−2

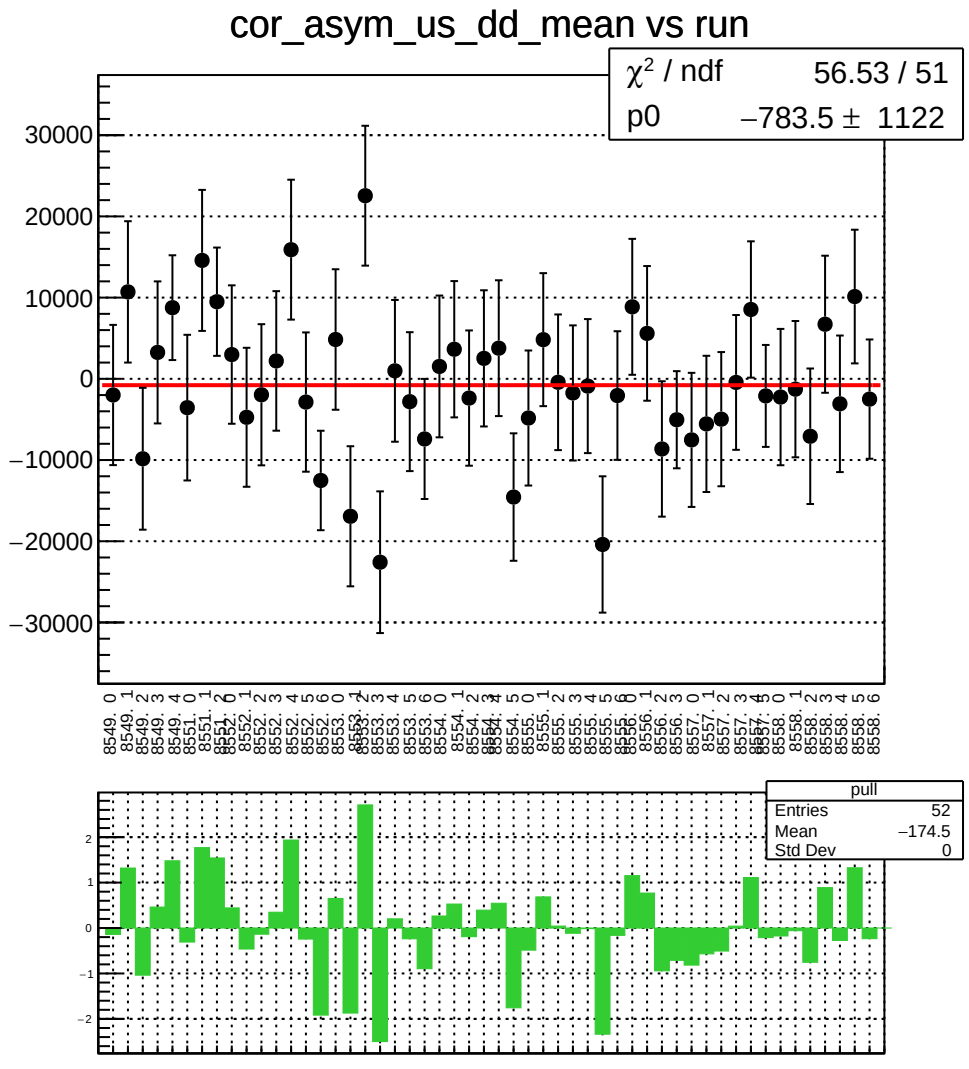

pull1D
Entries 52
Mean 0.01072
Std Dev 1.043
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

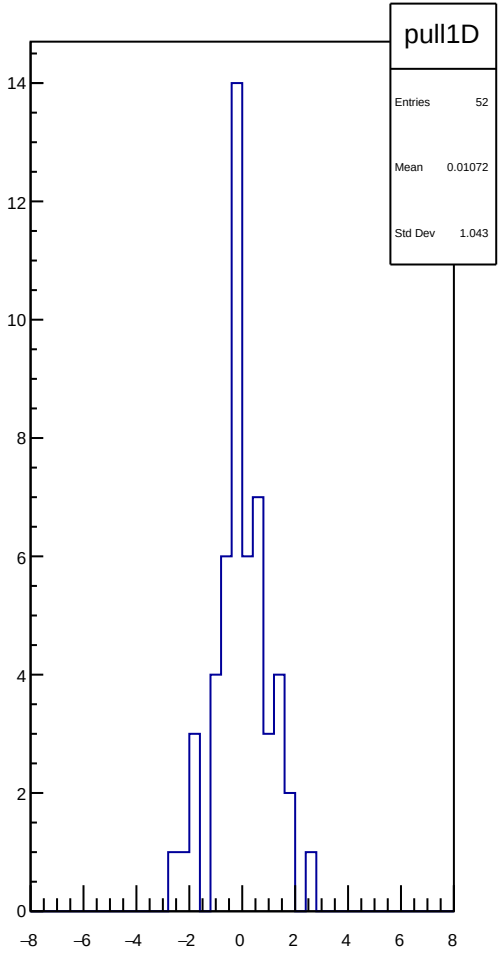

reg_asym_us_dd_rms vs run
χ² / ndf 485.2 / 51
p0 803.9 ± 0.7935
860
840
820
800
780
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

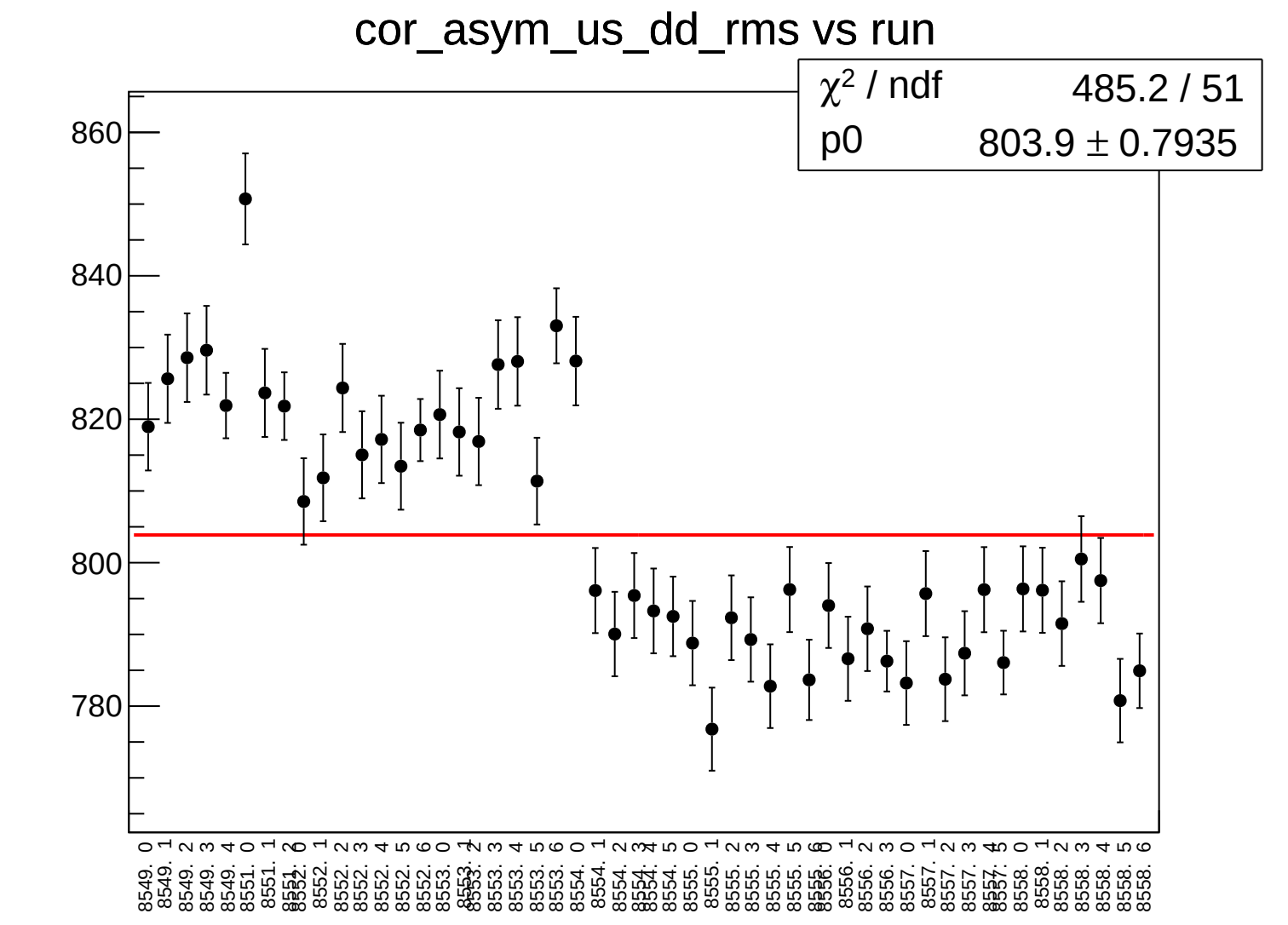

asym_us_dd_reg_correction_mean vs run
χ² / ndf 64.78 / 51
p0 −3552 ± 1599
40000
20000
0
−20000
−40000
pull
Entries 52
Mean 1.315
Std Dev 0
2
1
0
−1
−2

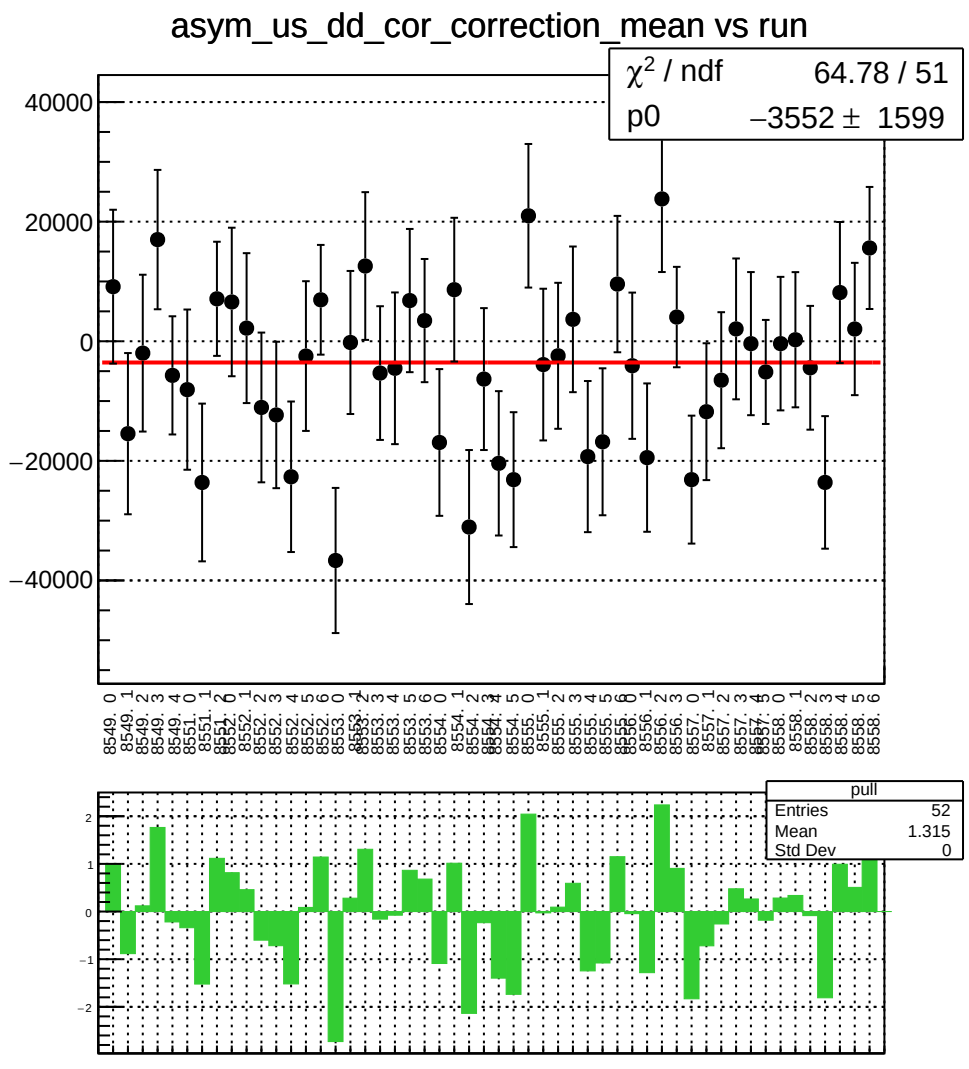

pull1D
Entries 52
Mean −0.02935
Std Dev 1.116
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

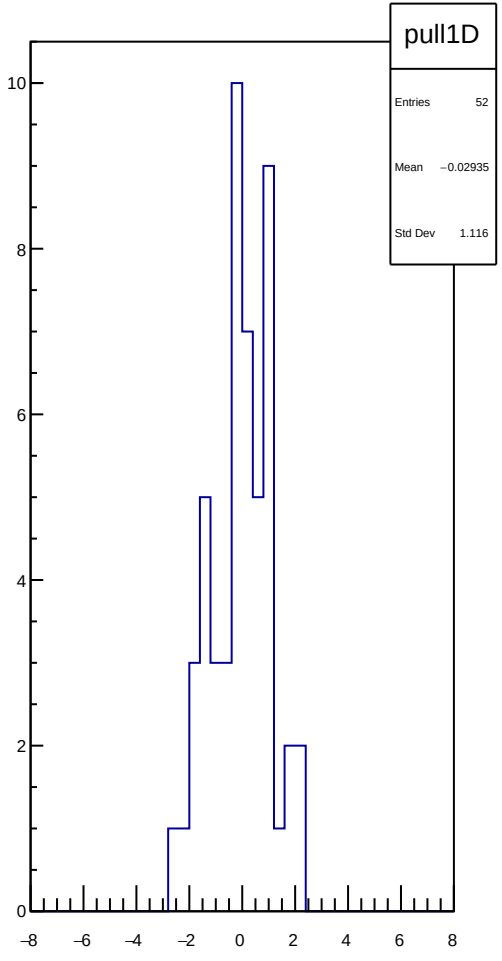

asym_us_dd_reg_correction_rms vs run
χ² / ndf 3257 / 51
p0 1144 ± 1.131
1300
1250
1200
1150
1100
1050
1000
950
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

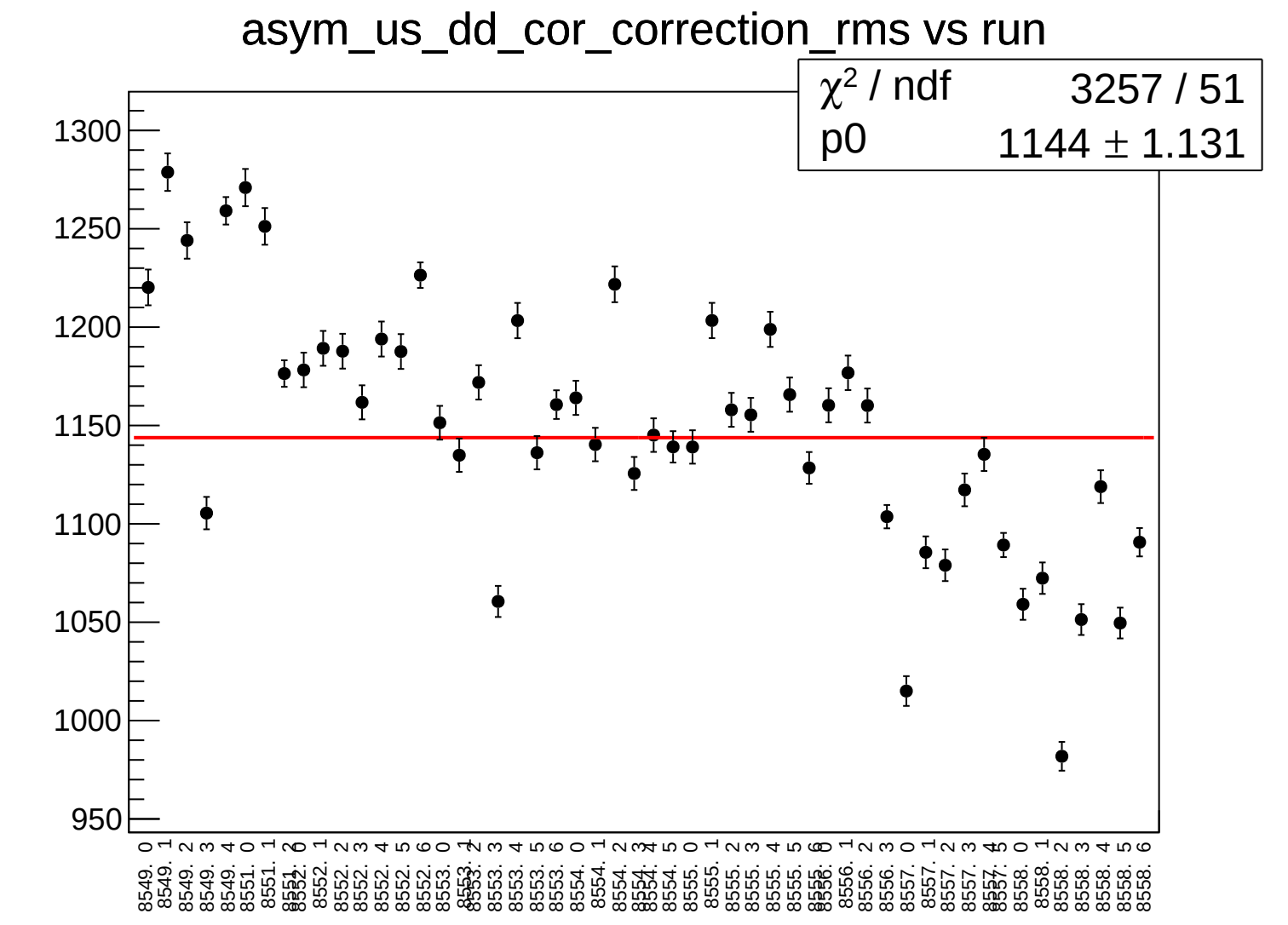

cor_asym_us_dd_mean vs run
χ² / ndf 56.53 / 51
p0 −783.5 ± 1122
30000
20000
10000
0
−10000
−20000
−30000
pull
Entries 52
Mean −174.5
Std Dev 0
2
1
0
−1
−2

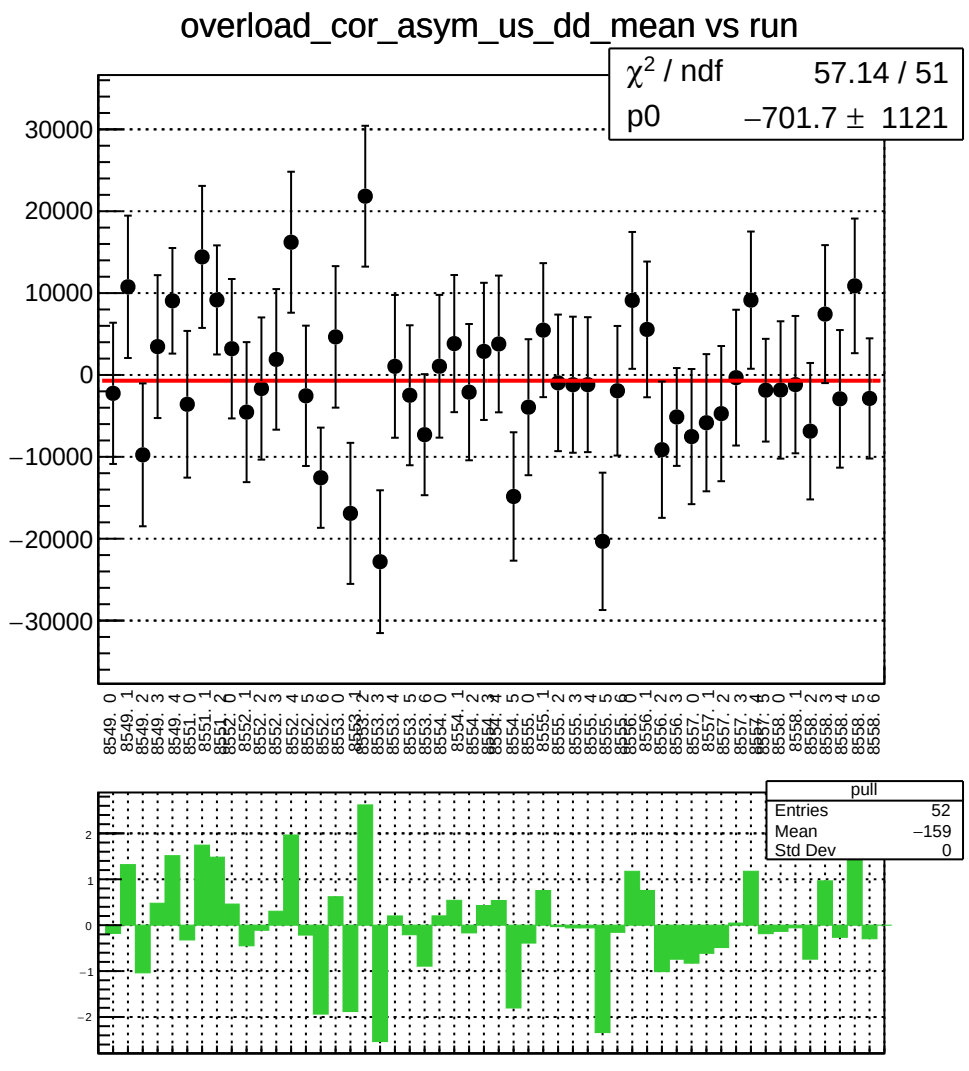

pull1D
Entries 52
Mean 0.01072
Std Dev 1.043
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

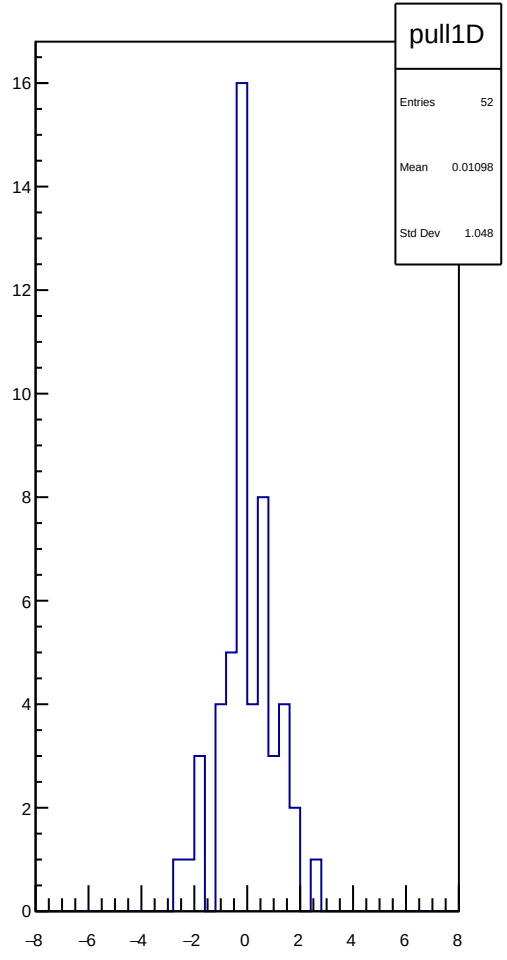

cor_asym_us_dd_rms vs run
χ² / ndf 485.2 / 51
p0 803.9 ± 0.7935
860
840
820
800
780
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

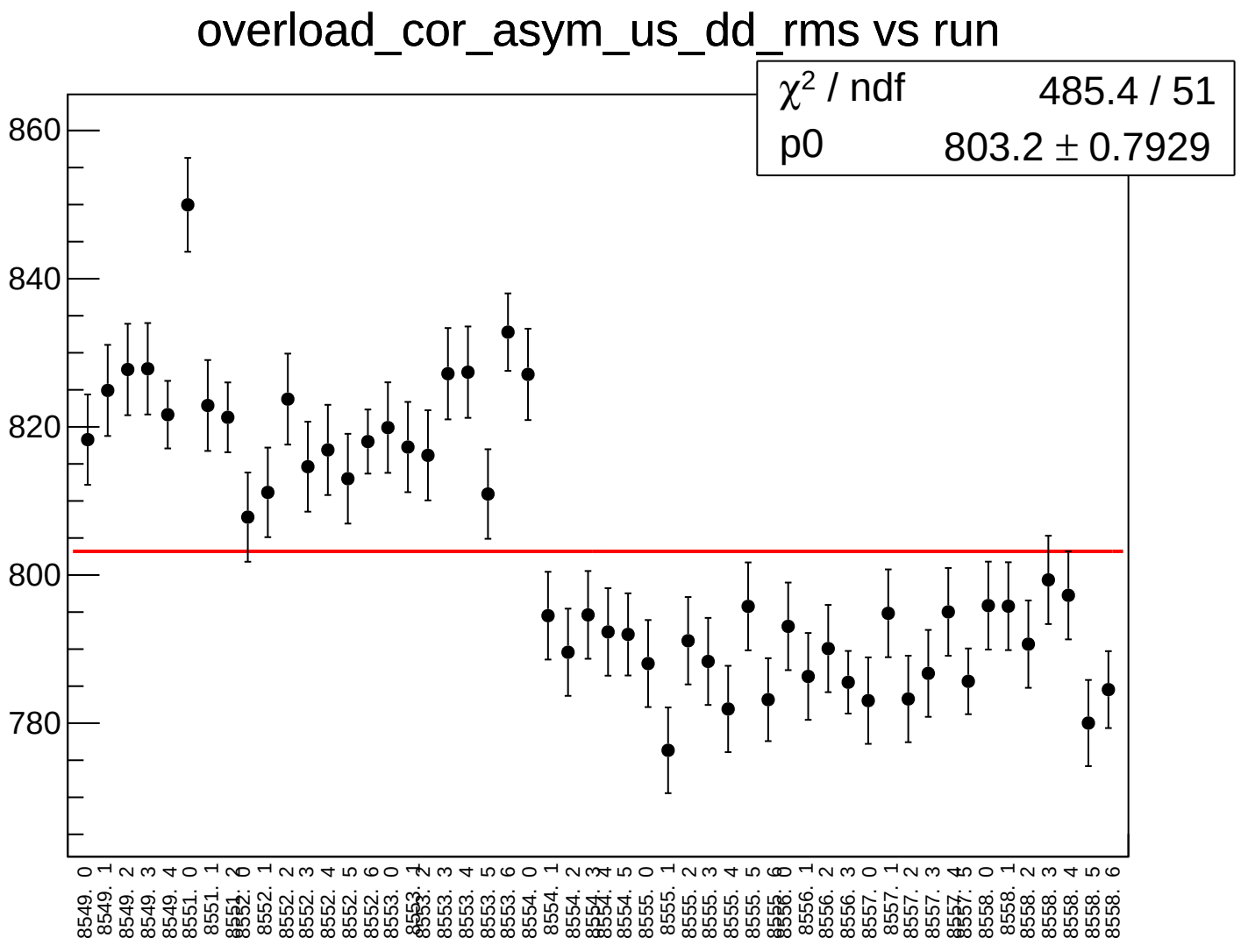

asym_us_dd_cor_correction_mean vs run
χ² / ndf 64.78 / 51
p0 −3552 ± 1599
40000
20000
0
−20000
−40000
pull
Entries 52
Mean 1.315
Std Dev 0
2
1
0
−1
−2

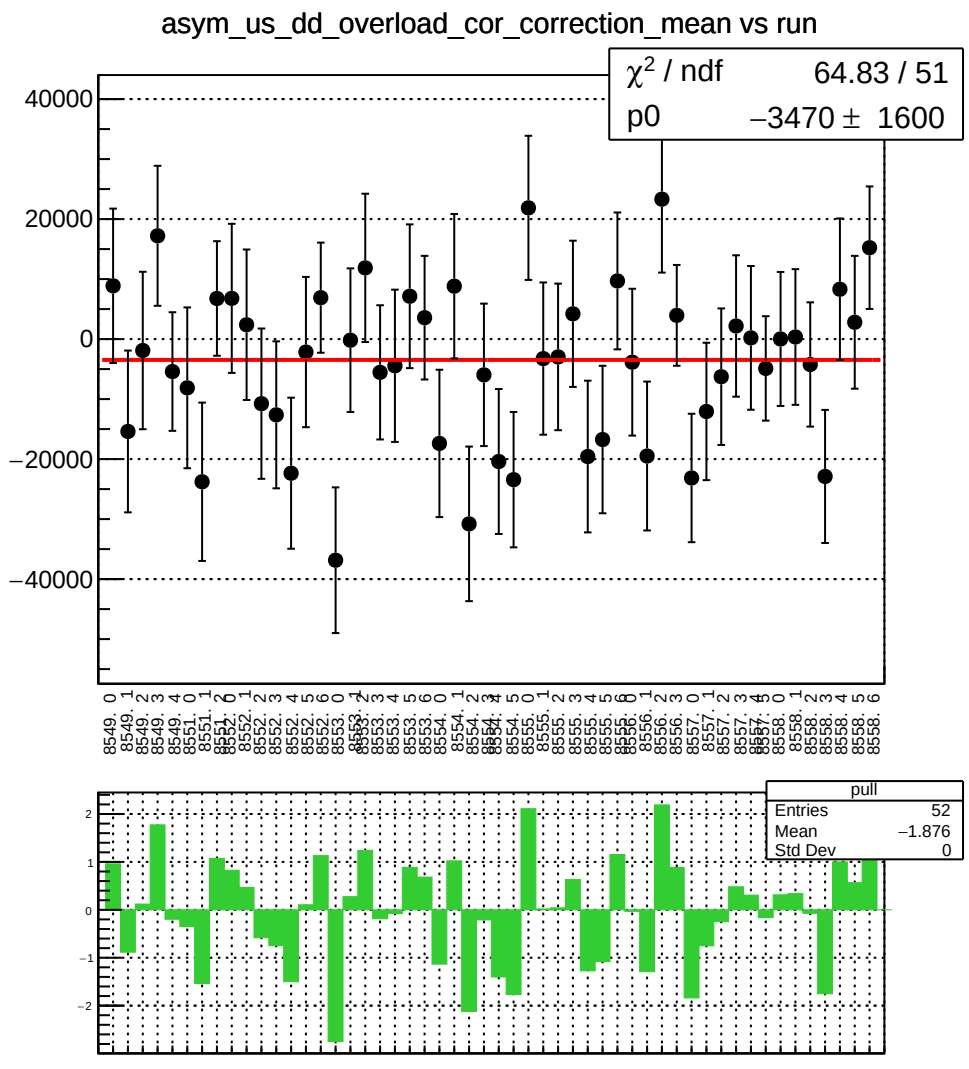

pull1D
Entries 52
Mean −0.02935
Std Dev 1.116
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

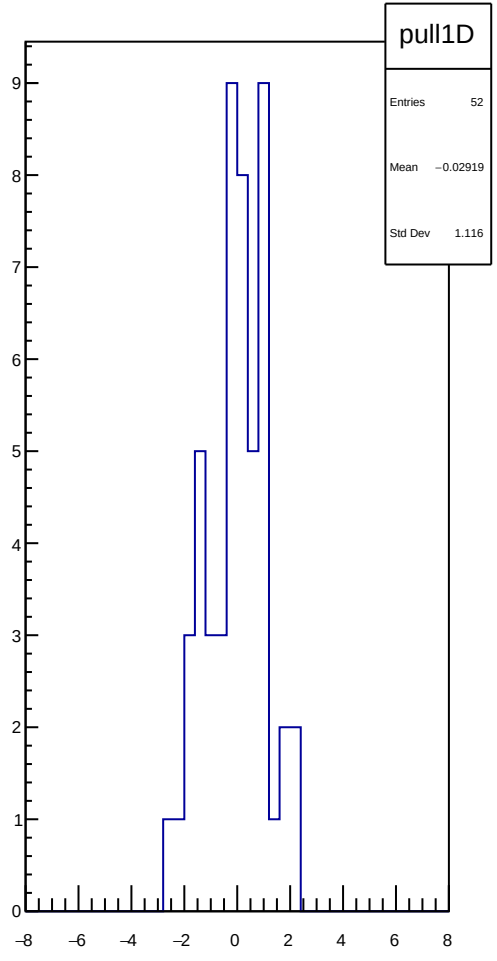

asym_us_dd_cor_correction_rms vs run
χ² / ndf 3257 / 51
p0 1144 ± 1.131
1300
1250
1200
1150
1100
1050
1000
950
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 5
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

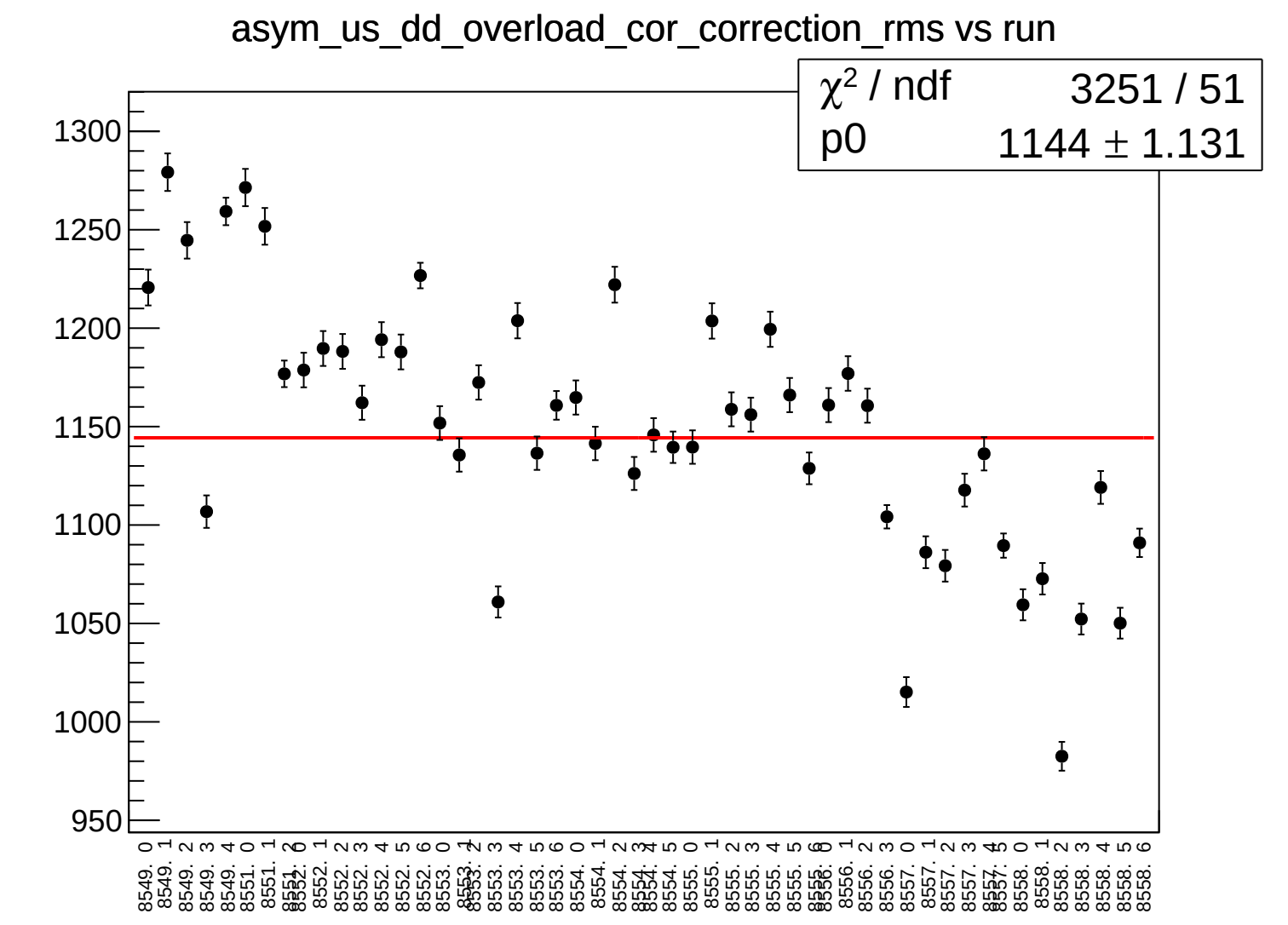

overload_cor_asym_us_dd_mean vs run
χ² / ndf 57.14 / 51
p0 −701.7 ± 1121
30000
20000
10000
0
−10000
−20000
−30000
pull
Entries 52
Mean −159
Std Dev 0
2
1
0
−1
−2

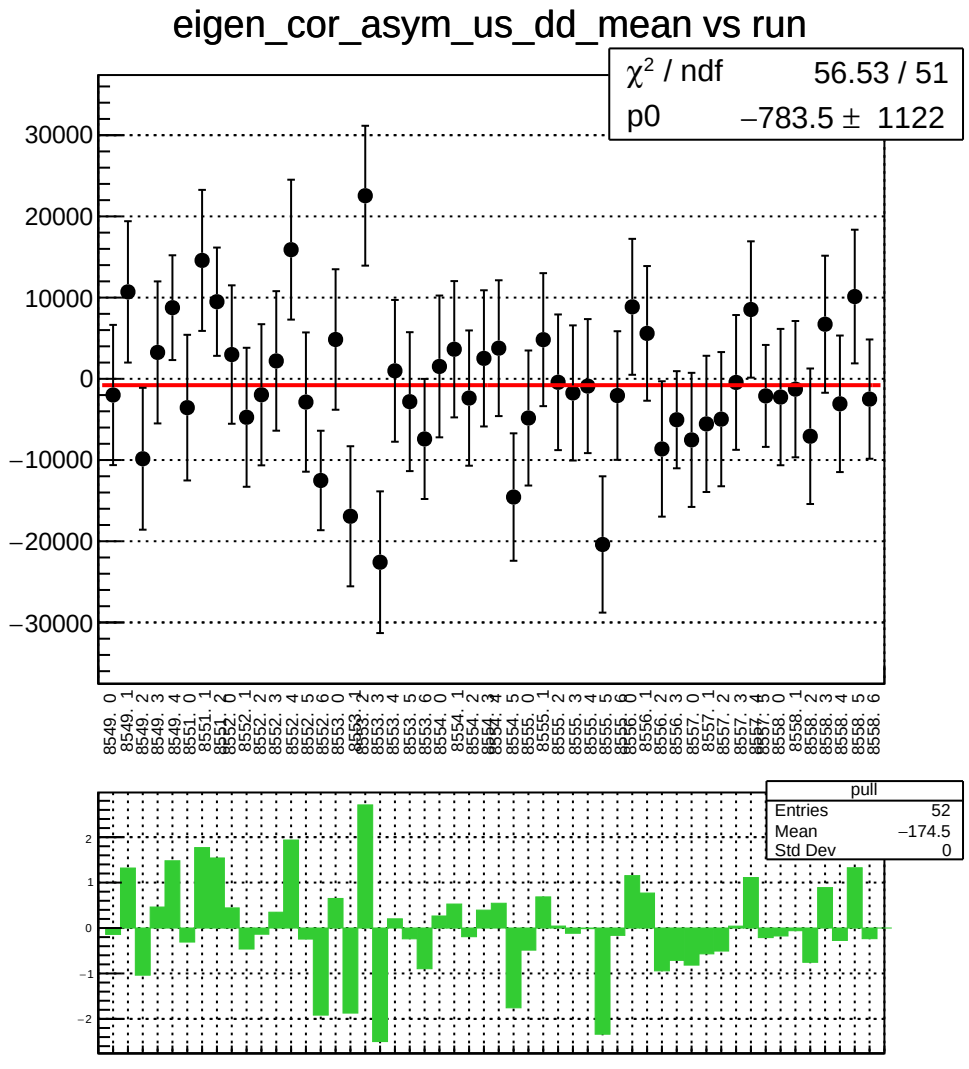

pull1D
Entries 52
Mean 0.01098
Std Dev 1.048
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

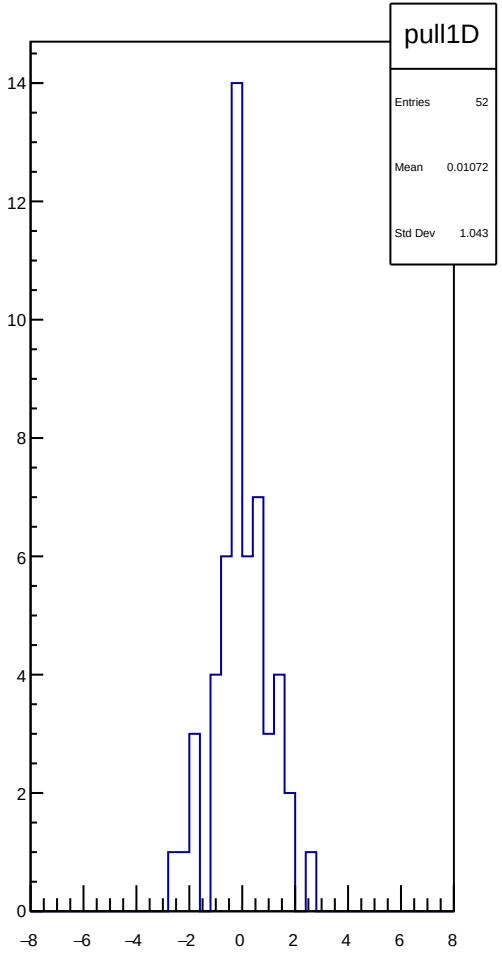

overload_cor_asym_us_dd_rms vs run
χ² / ndf 485.4 / 51
p0 803.2 ± 0.7929
860
840
820
800
780
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

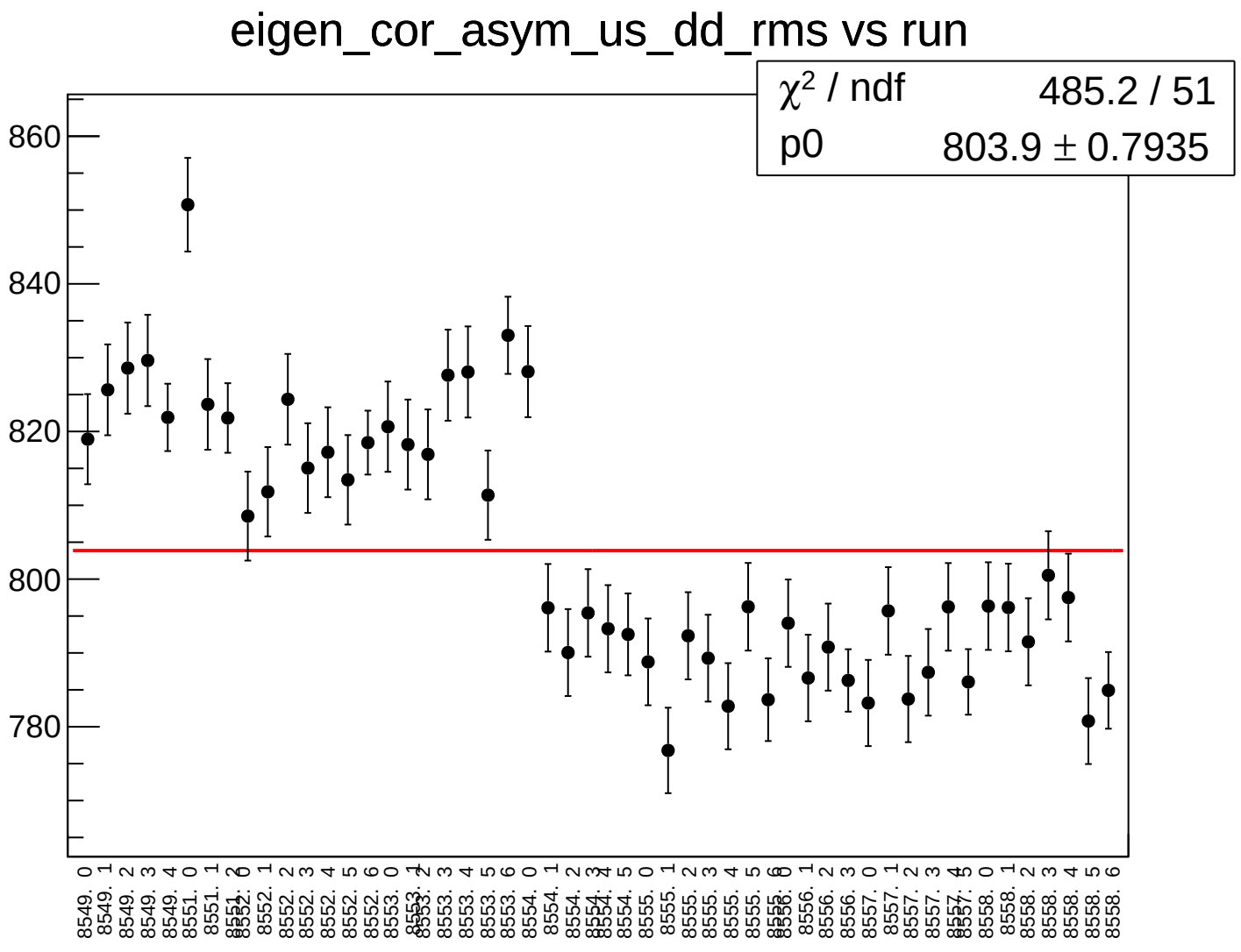

asym_us_dd_overload_cor_correction_mean vs run
χ² / ndf 64.83 / 51
p0 −3470 ± 1600
40000
20000
0
−20000
−40000
pull
Entries 52
Mean −1.876
Std Dev 0
2
1
0
−1
−2

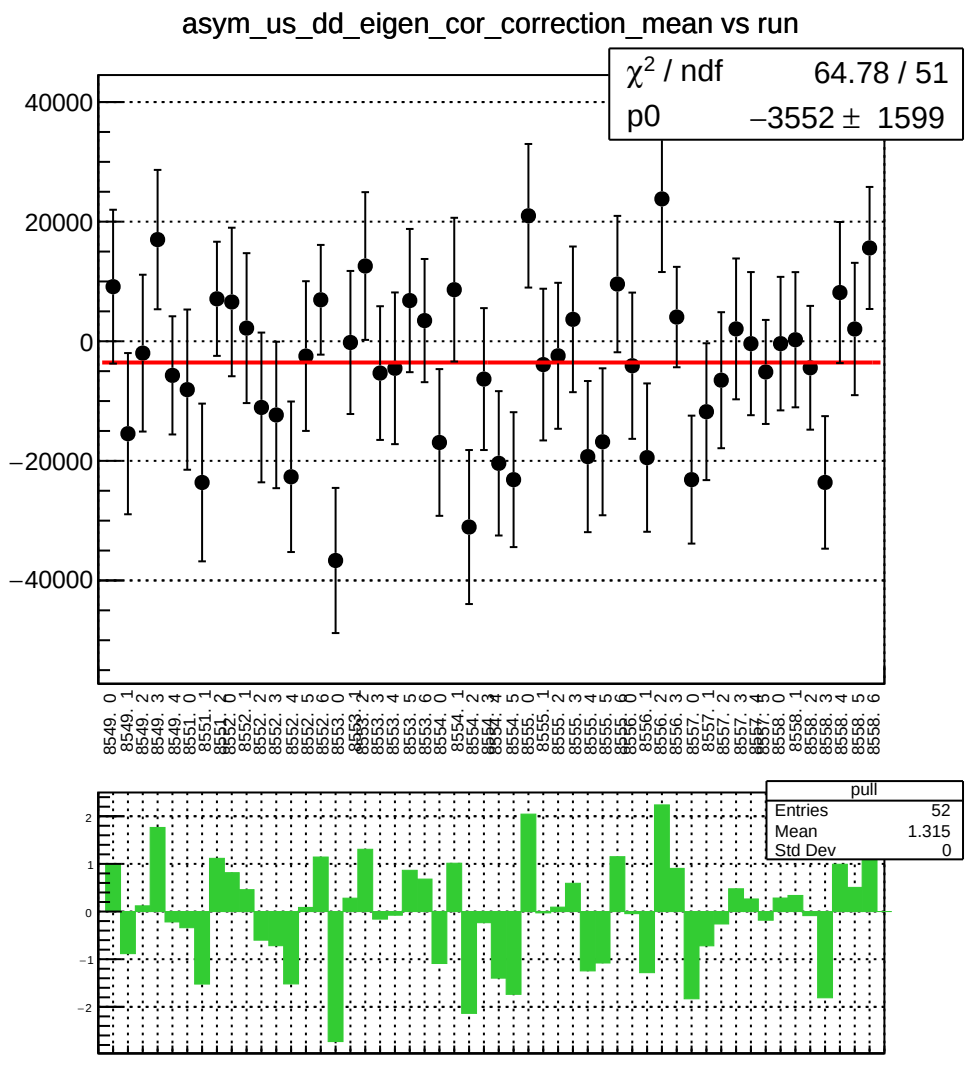

pull1D
Entries 52
Mean −0.02919
Std Dev 1.116
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

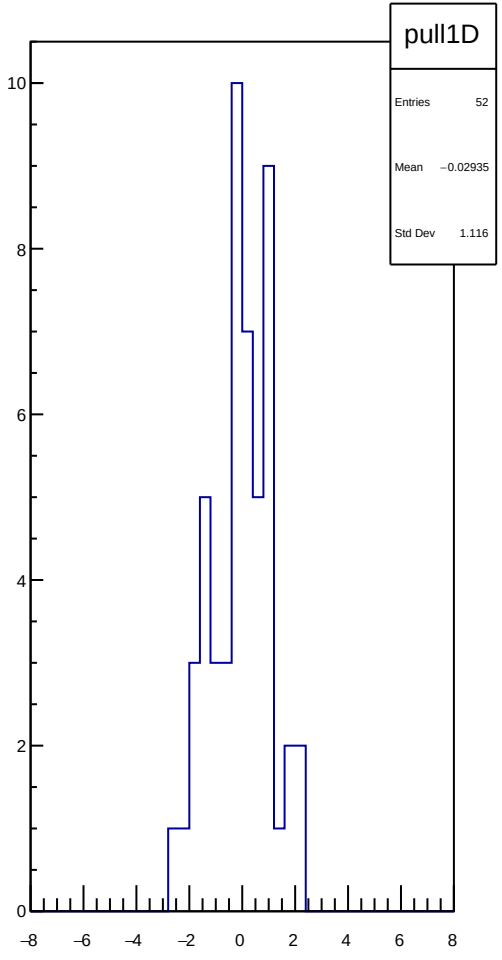

asym_us_dd_overload_cor_correction_rms vs run
χ² / ndf 3251 / 51
p0 1144 ± 1.131
1300
1250
1200
1150
1100
1050
1000
950
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 5
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

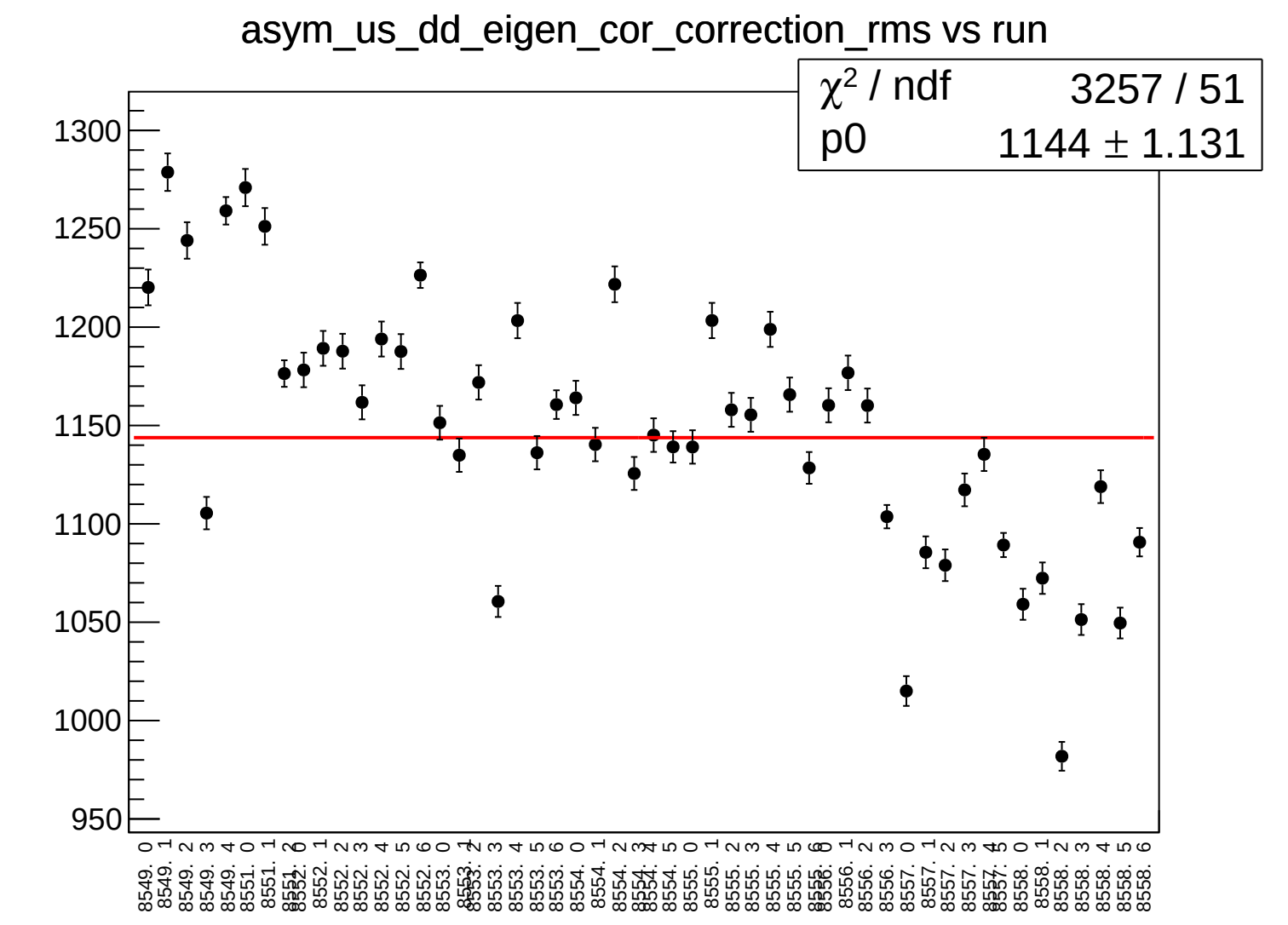

eigen_cor_asym_us_dd_mean vs run
χ² / ndf 56.53 / 51
p0 −783.5 ± 1122
30000
20000
10000
0
−10000
−20000
−30000
pull
Entries 52
Mean −174.5
Std Dev 0

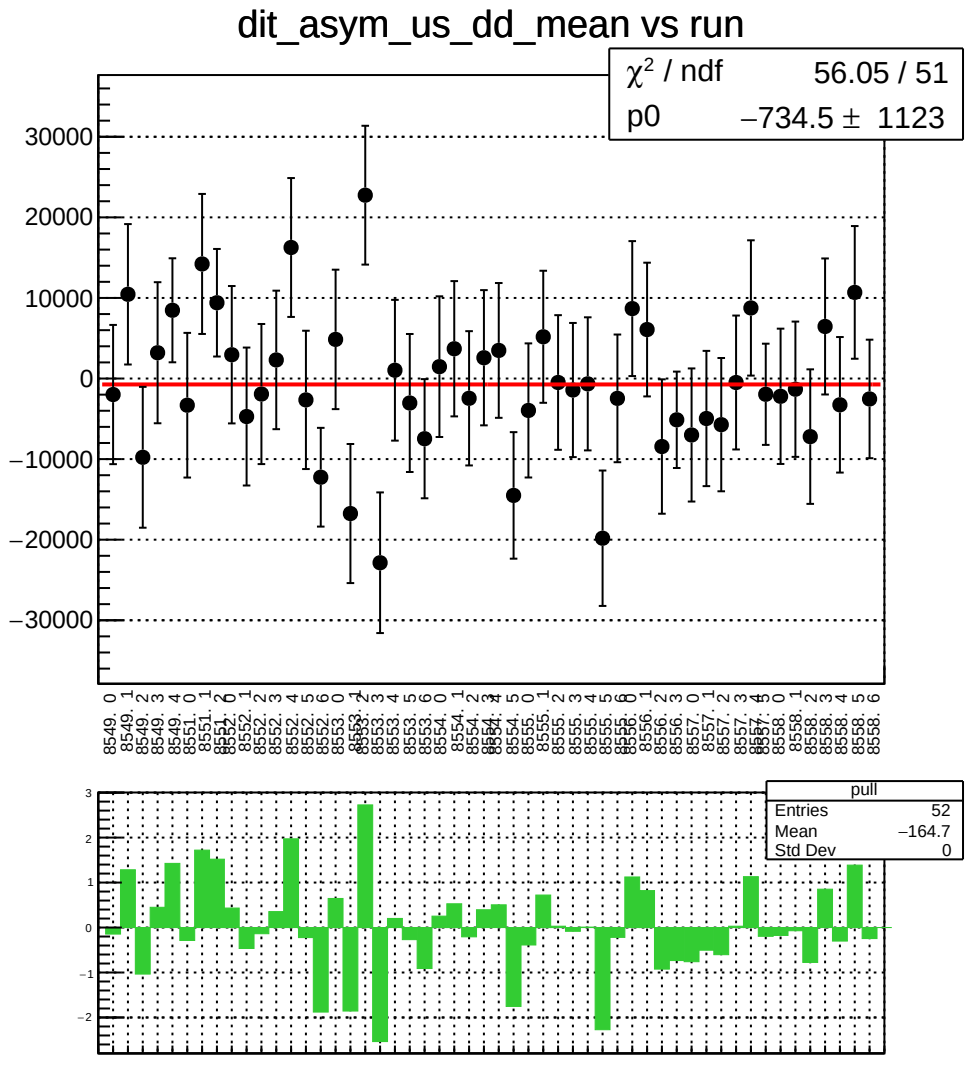

pull1D
Entries 52
Mean 0.01072
Std Dev 1.043
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

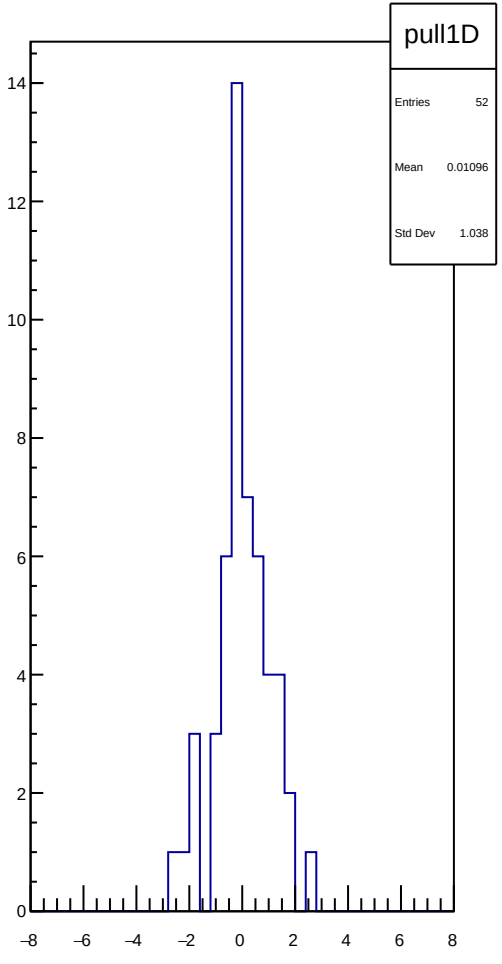

eigen_cor_asym_us_dd_rms vs run
χ² / ndf 485.2 / 51
p0 803.9 ± 0.7935
860
840
820
800
780
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

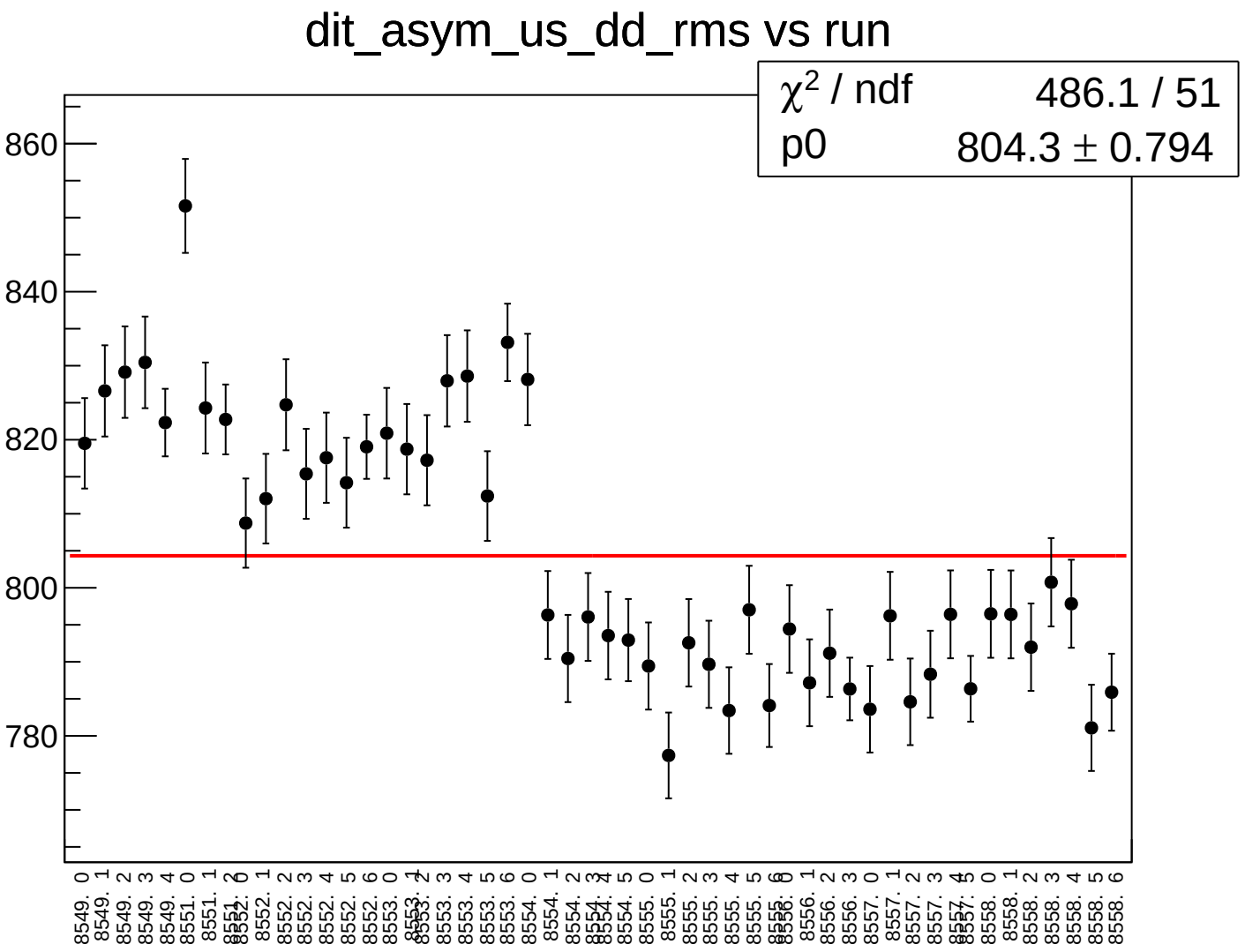

asym_us_dd_eigen_cor_correction_mean vs run
χ² / ndf 64.78 / 51
p0 −3552 ± 1599
40000
20000
0
−20000
−40000
pull
Entries 52
Mean 1.315
Std Dev 0
2
1
0
−1
−2

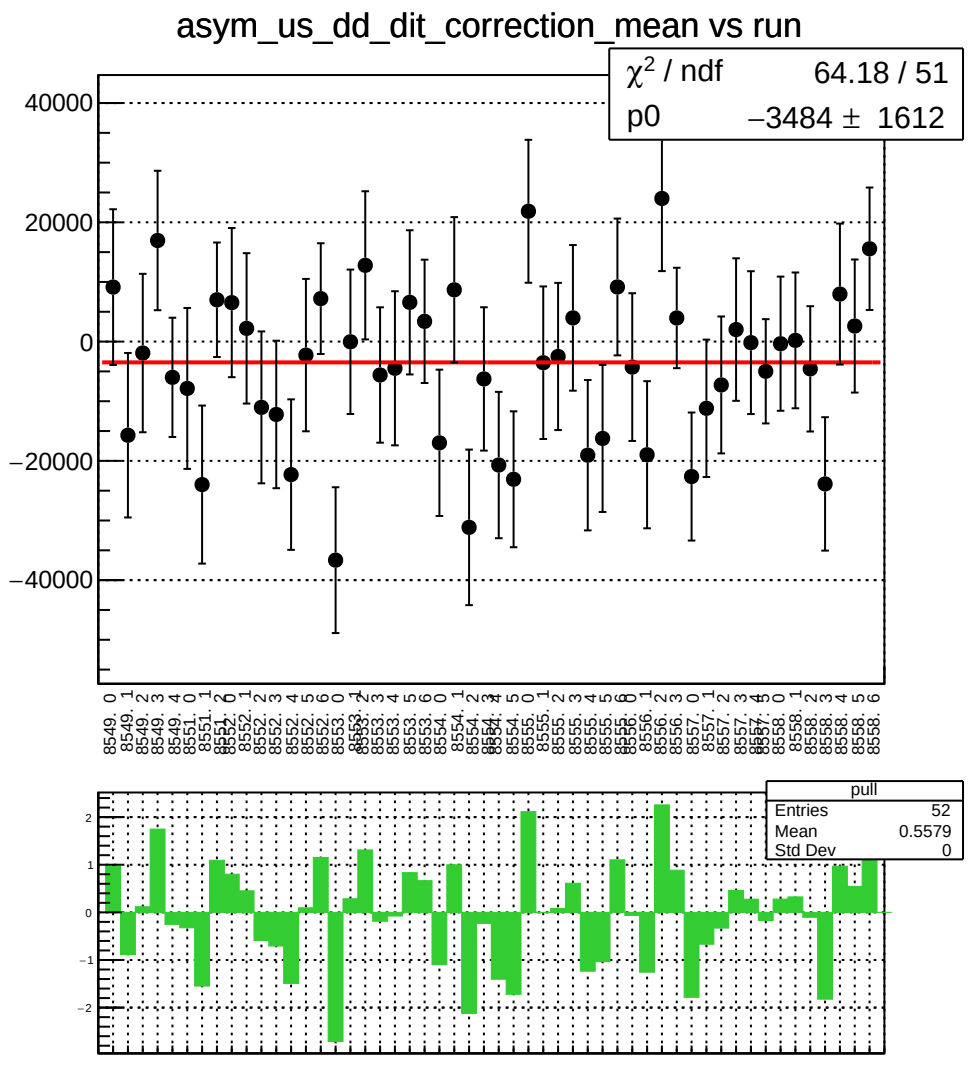

pull1D
Entries 52
Mean −0.02935
Std Dev 1.116
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

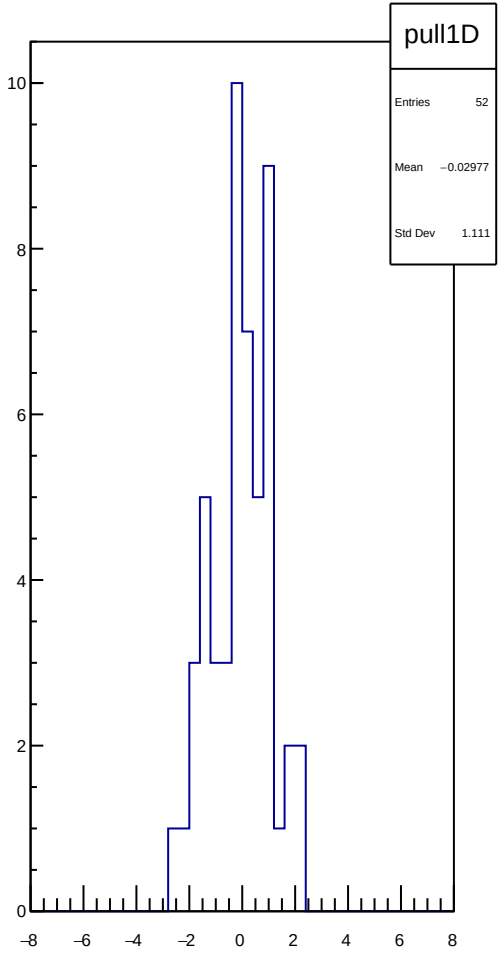

asym_us_dd_eigen_cor_correction_rms vs run
χ² / ndf 3257 / 51
p0 1144 ± 1.131
1300
1250
1200
1150
1100
1050
1000
950
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

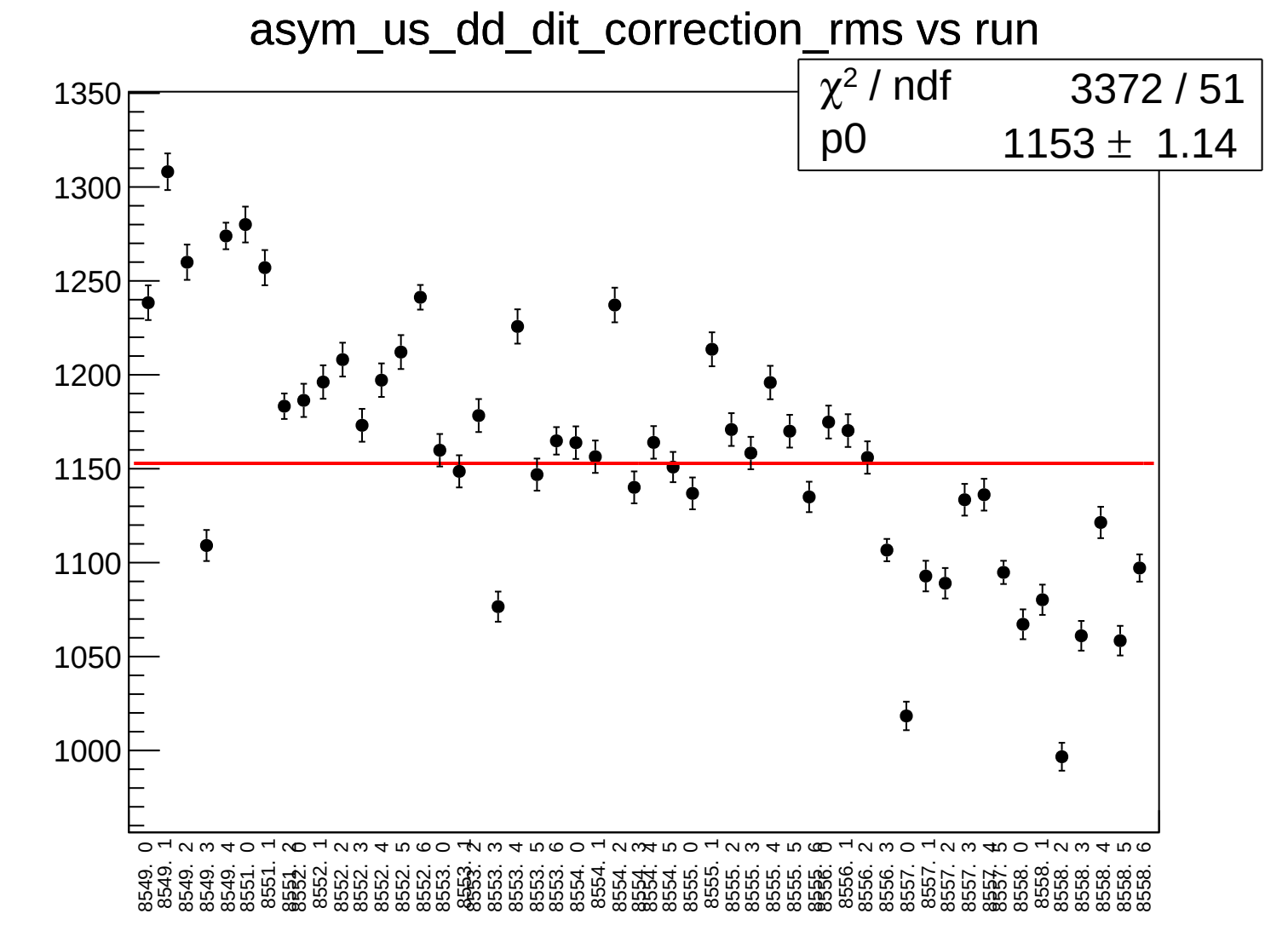

dit_asym_us_dd_mean vs run
χ² / ndf 56.05 / 51
p0 −734.5 ± 1123
30000
20000
10000
0
−10000
−20000
−30000
pull
Entries 52
Mean −164.7
Std Dev 0

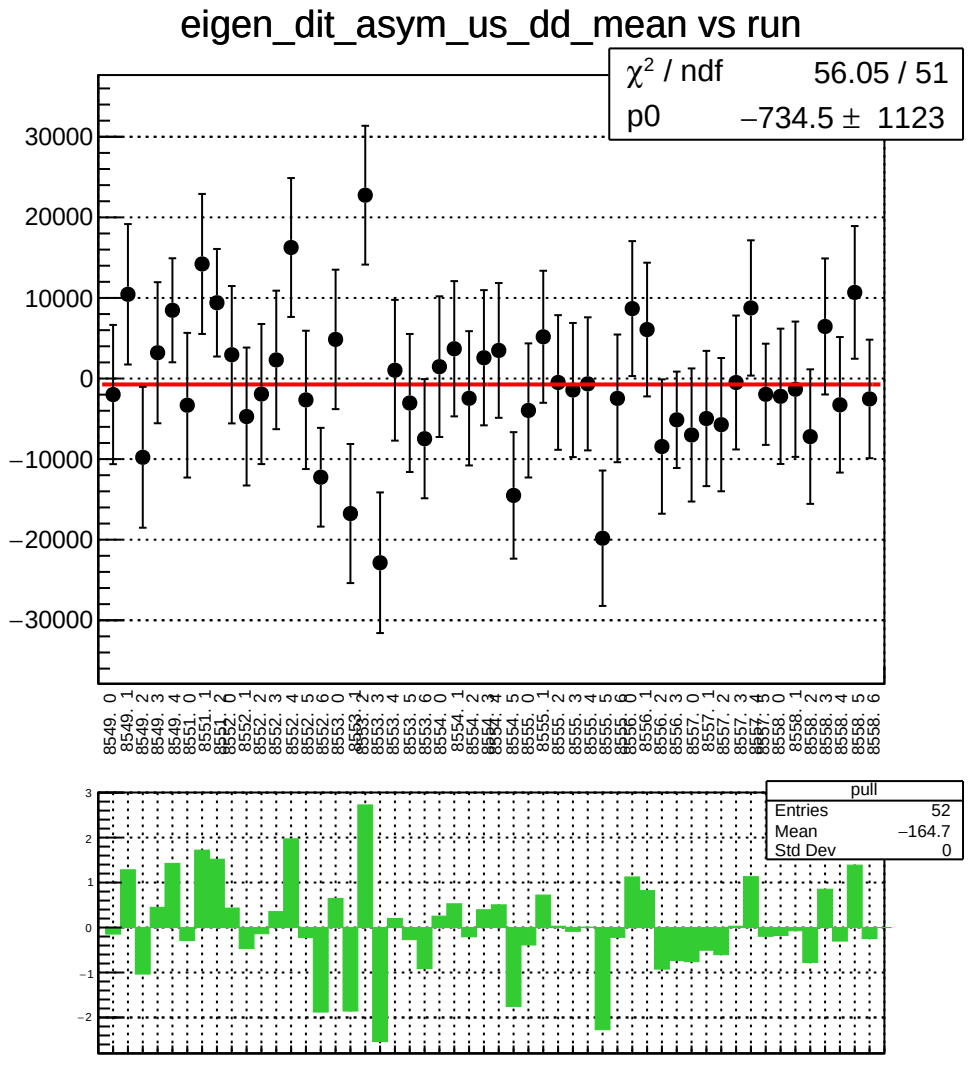

pull1D
Entries 52
Mean 0.01096
Std Dev 1.038
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

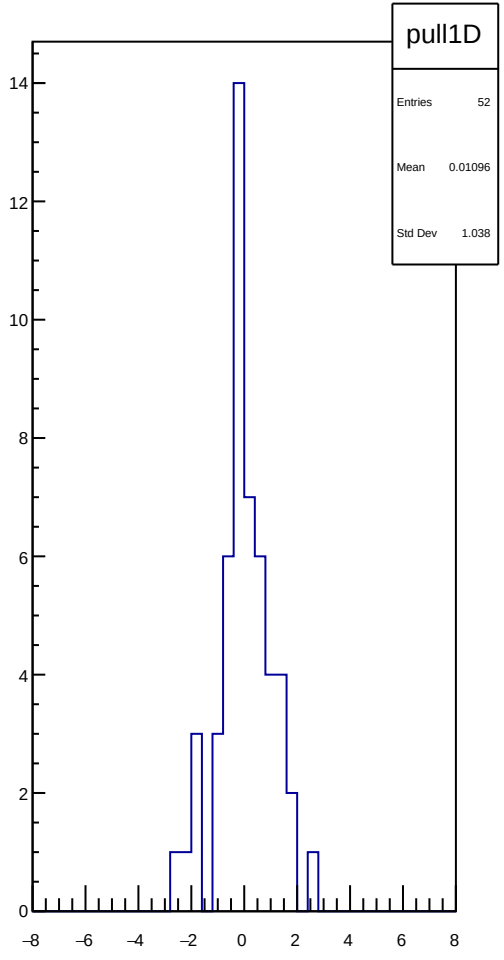

dit_asym_us_dd_rms vs run
χ² / ndf 486.1 / 51
p0 804.3 ± 0.794
860
840
820
800
780
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

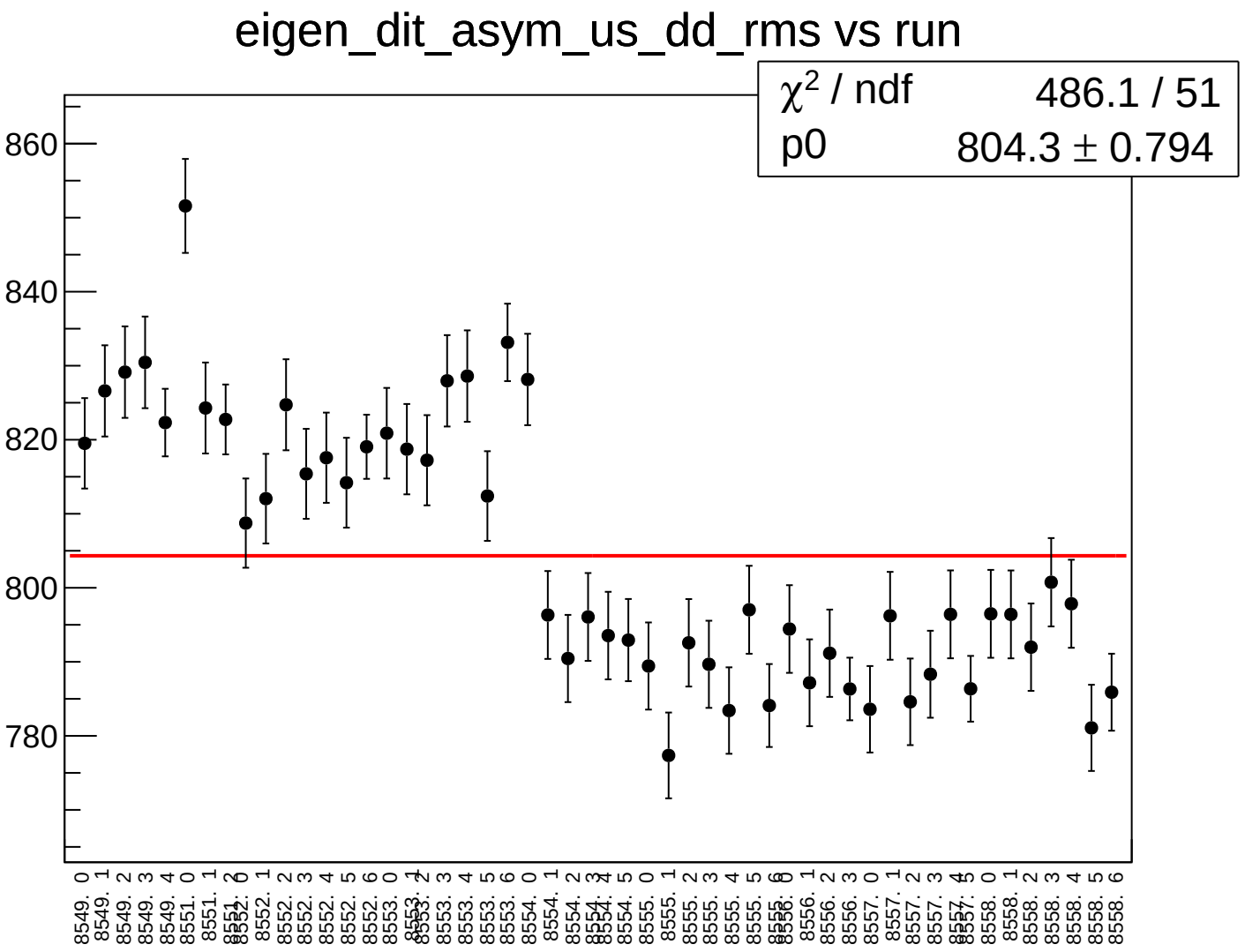

asym_us_dd_dit_correction_mean vs run
χ^2 / ndf 64.18 / 51
p0 −3484 ± 1612
40000
20000
0
−20000
−40000
pull
Entries 52
Mean 0.5579
Std Dev 0
2
1
0
−1
−2

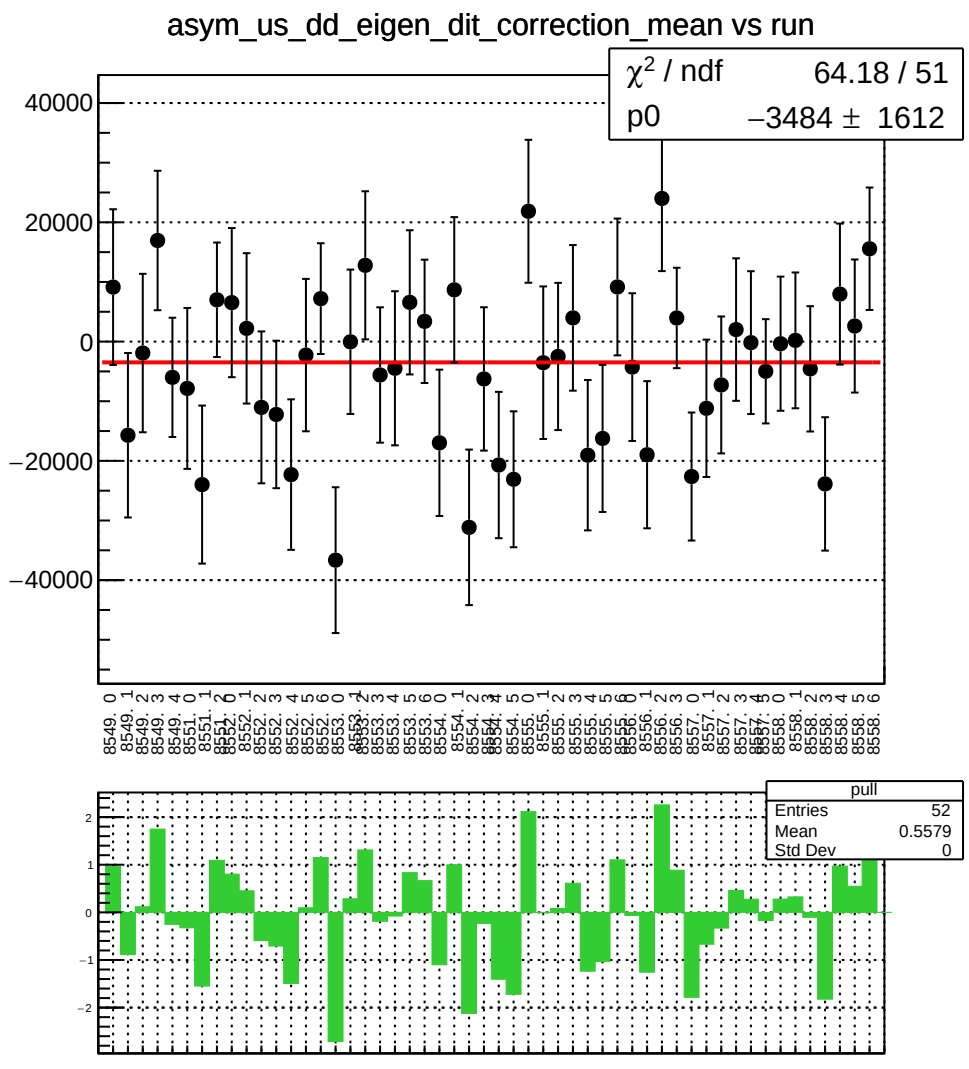

pull1D
Entries 52
Mean −0.02977
Std Dev 1.111
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

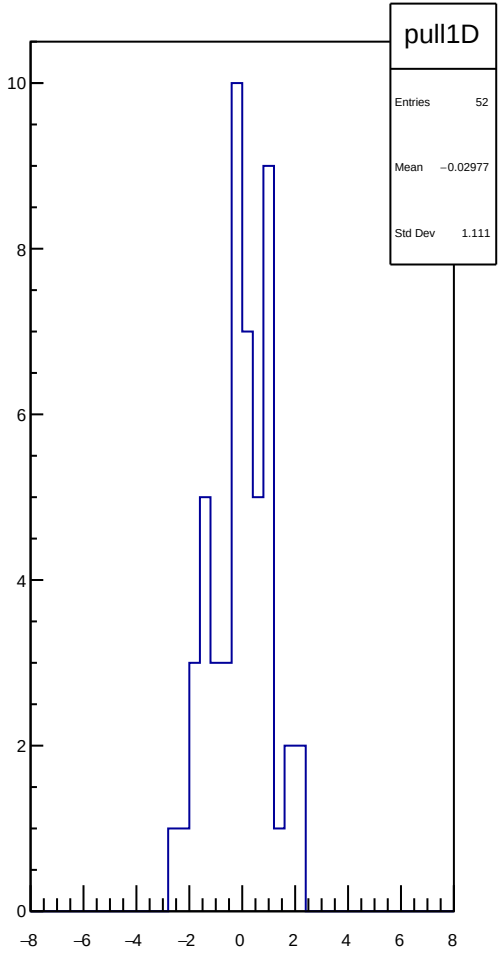

asym_us_dd_dit_correction_rms vs run
χ² / ndf 3372 / 51
p0 1153 ± 1.14
1350
1300
1250
1200
1150
1100
1050
1000
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 5
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

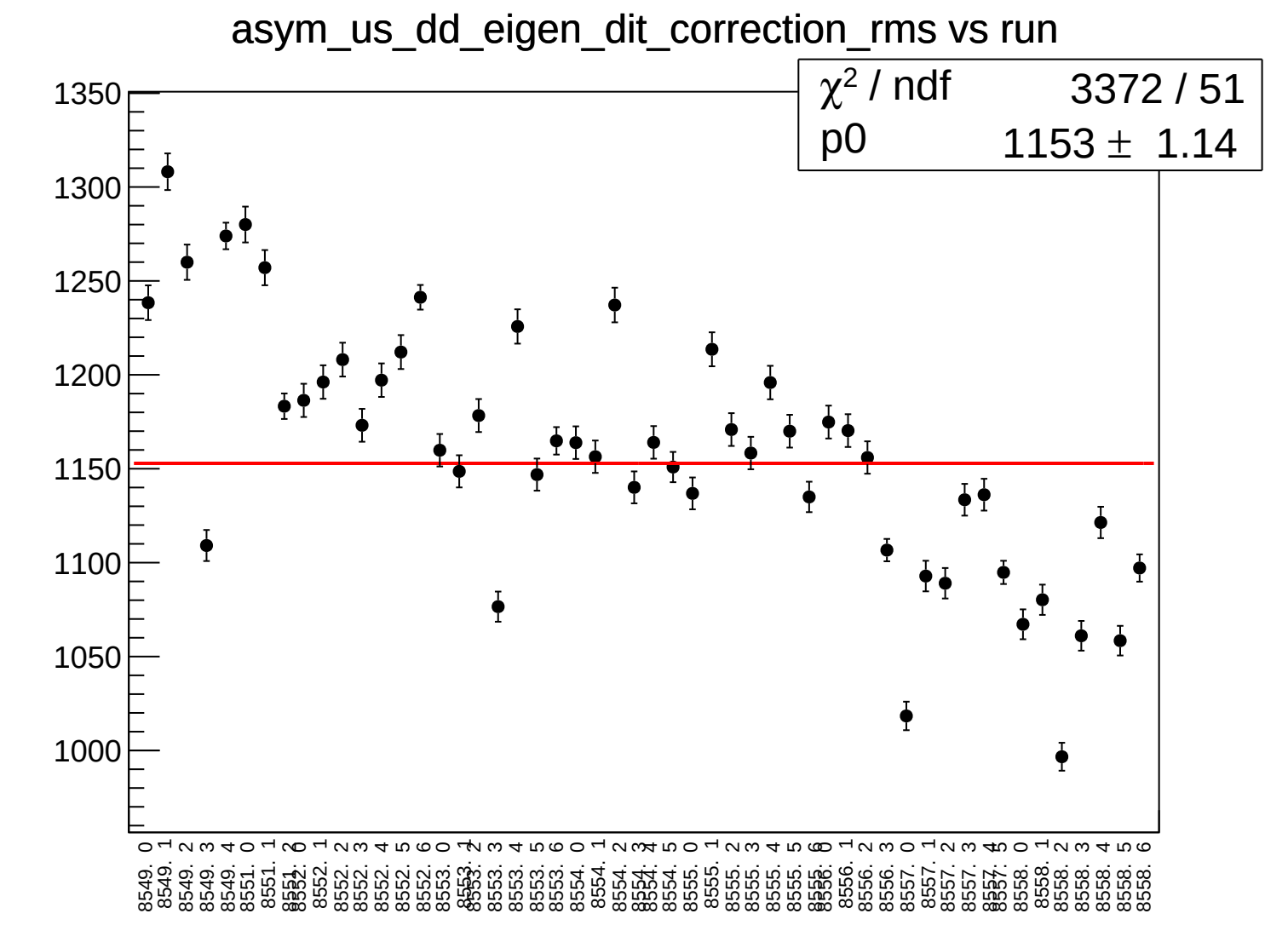

eigen_dit_asym_us_dd_mean vs run
χ² / ndf 56.05 / 51
p0 −734.5 ± 1123
30000
20000
10000
0
−10000
−20000
−30000
pull
Entries 52
Mean −164.7
Std Dev 0
3
2
1
0
−1
−2

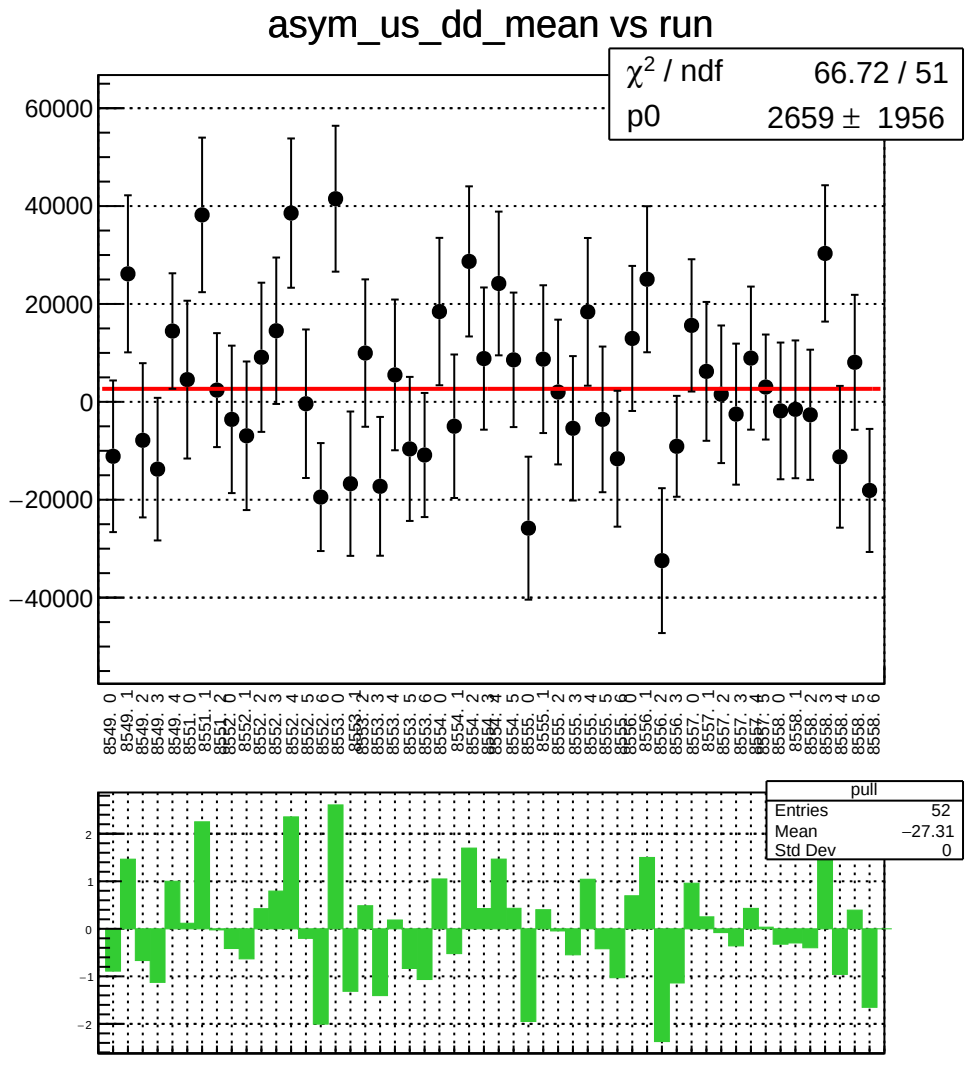

pull1D
Entries 52
Mean 0.01096
Std Dev 1.038
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


eigen_dit_asym_us_dd_rms vs run
χ² / ndf 486.1 / 51
p0 804.3 ± 0.794
860
840
820
800
780
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6


asym_us_dd_eigen_dit_correction_mean vs run
χ² / ndf 64.18 / 51
p0 −3484 ± 1612
40000
20000
0
−20000
−40000
pull
Entries 52
Mean 0.5579
Std Dev 0
2
1
0
−1
−2


pull1D
Entries 52
Mean −0.02977
Std Dev 1.111
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


asym_us_dd_eigen_dit_correction_rms vs run
χ² / ndf 3372 / 51
p0 1153 ± 1.14
1350
1300
1250
1200
1150
1100
1050
1000
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 5
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6


asym_us_dd_mean vs run
χ² / ndf 66.72 / 51
p0 2659 ± 1956
60000
40000
20000
0
−20000
−40000
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8551. 2
8551. 6
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8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
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8553. 2
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8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 3
8554. 4
8554. 5
8554. 6
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8555. 2
8555. 3
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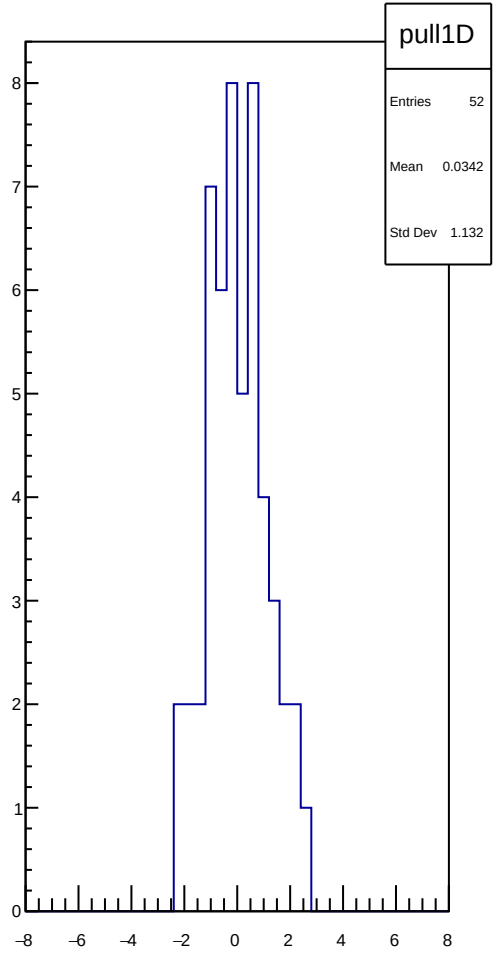
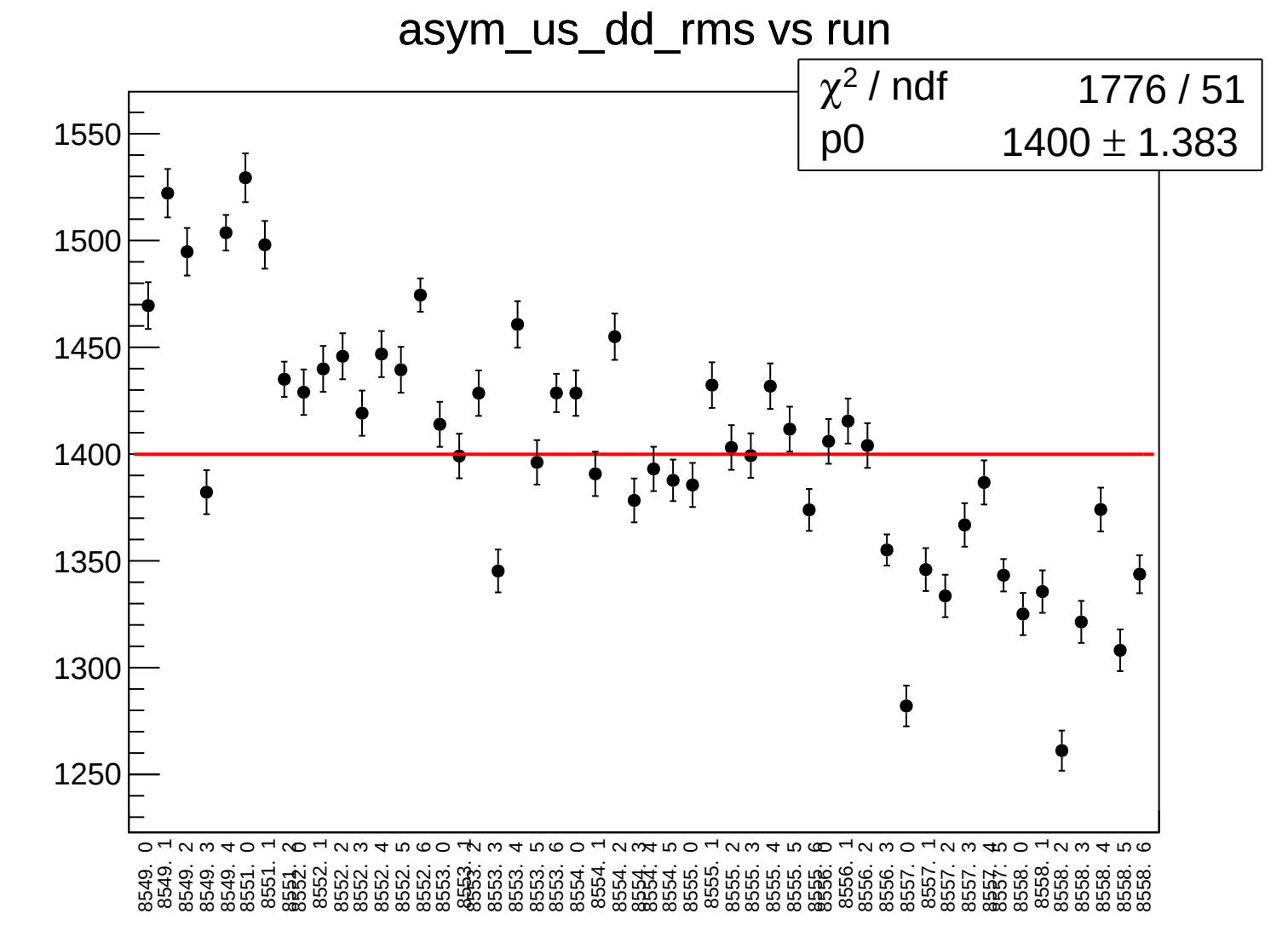
8555. 5
8555. 6
8556. 0
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8557. 4
8557. 5
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6
pull
Entries 52
Mean −27.31
Std Dev 0
2
1
0
−1
−2


pull1D
Entries 52
Mean 0.0342
Std Dev 1.132
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


asym_us_dd_rms vs run
χ² / ndf 1776 / 51
p0 1400 ± 1.383
1550
1500
1450
1400
1350
1300
1250
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
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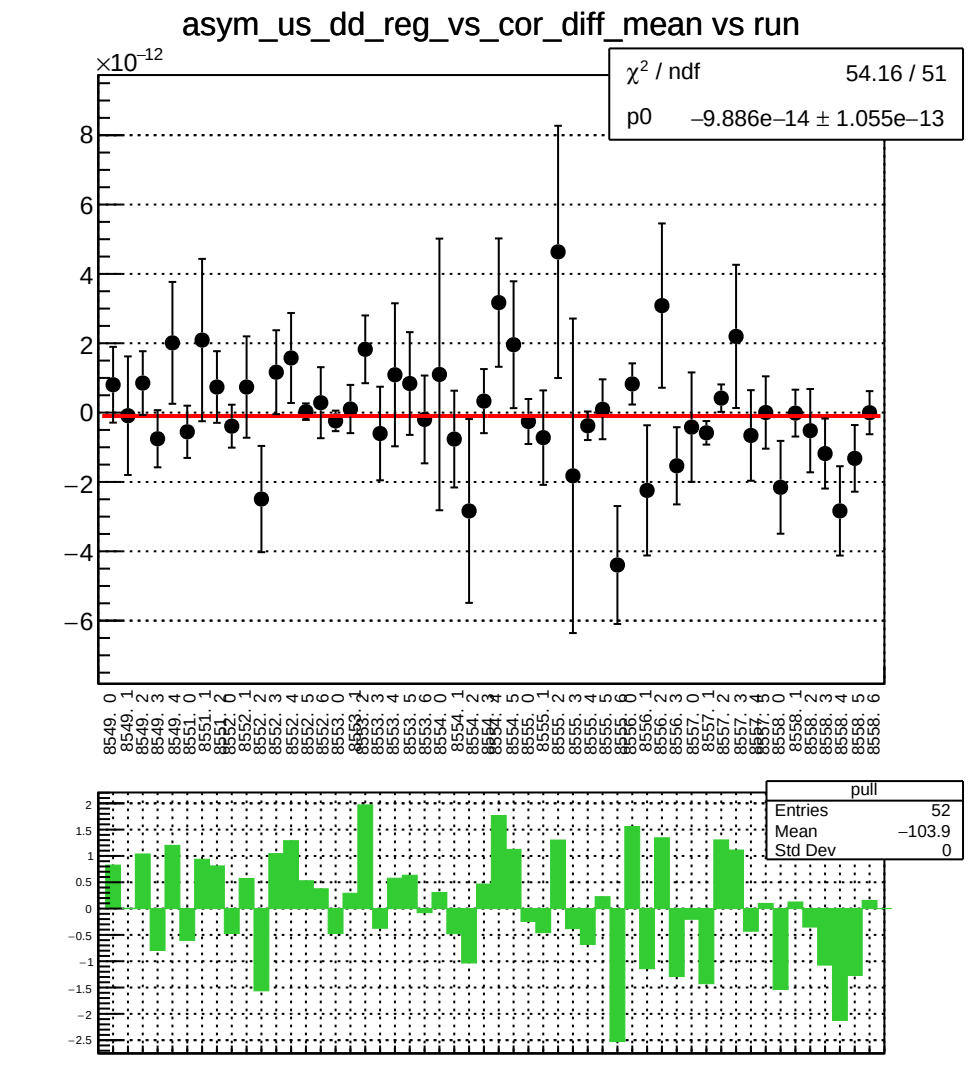
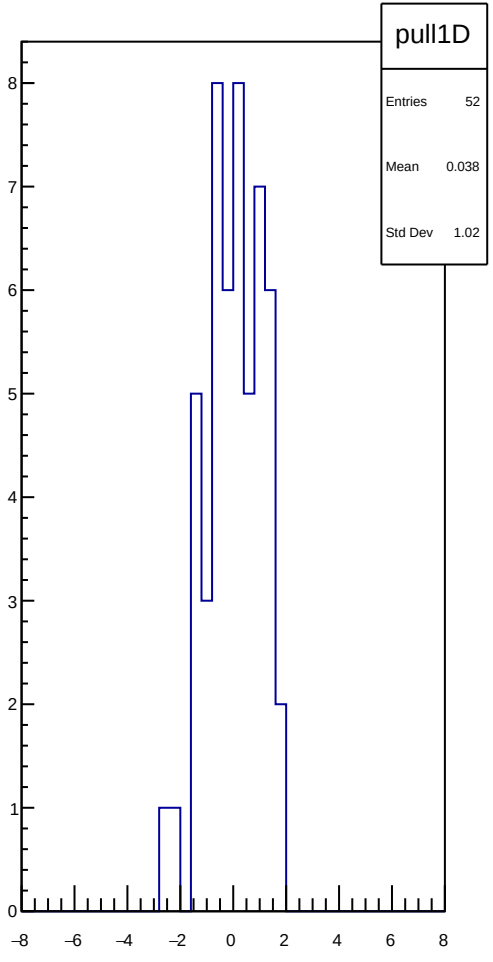
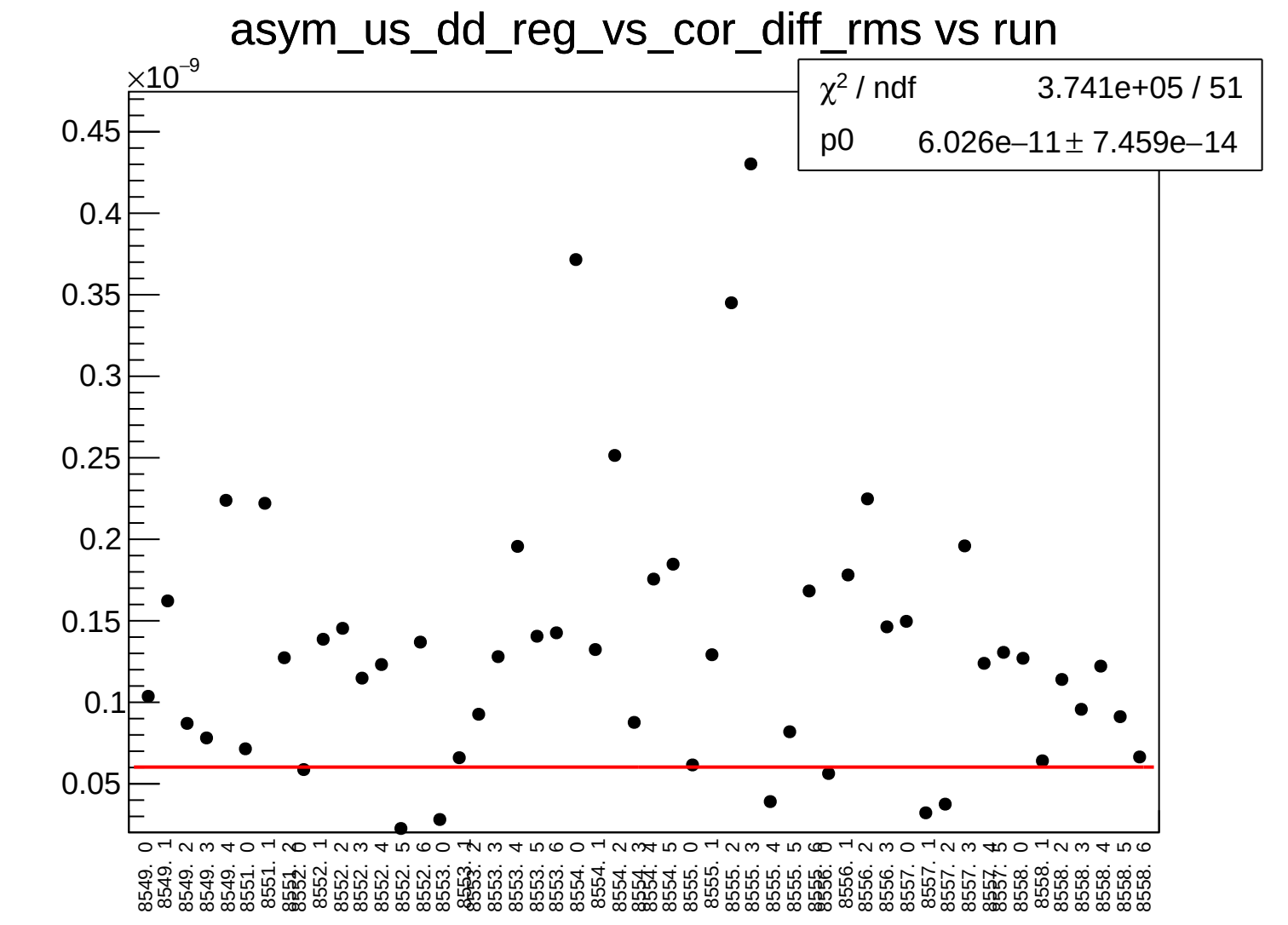
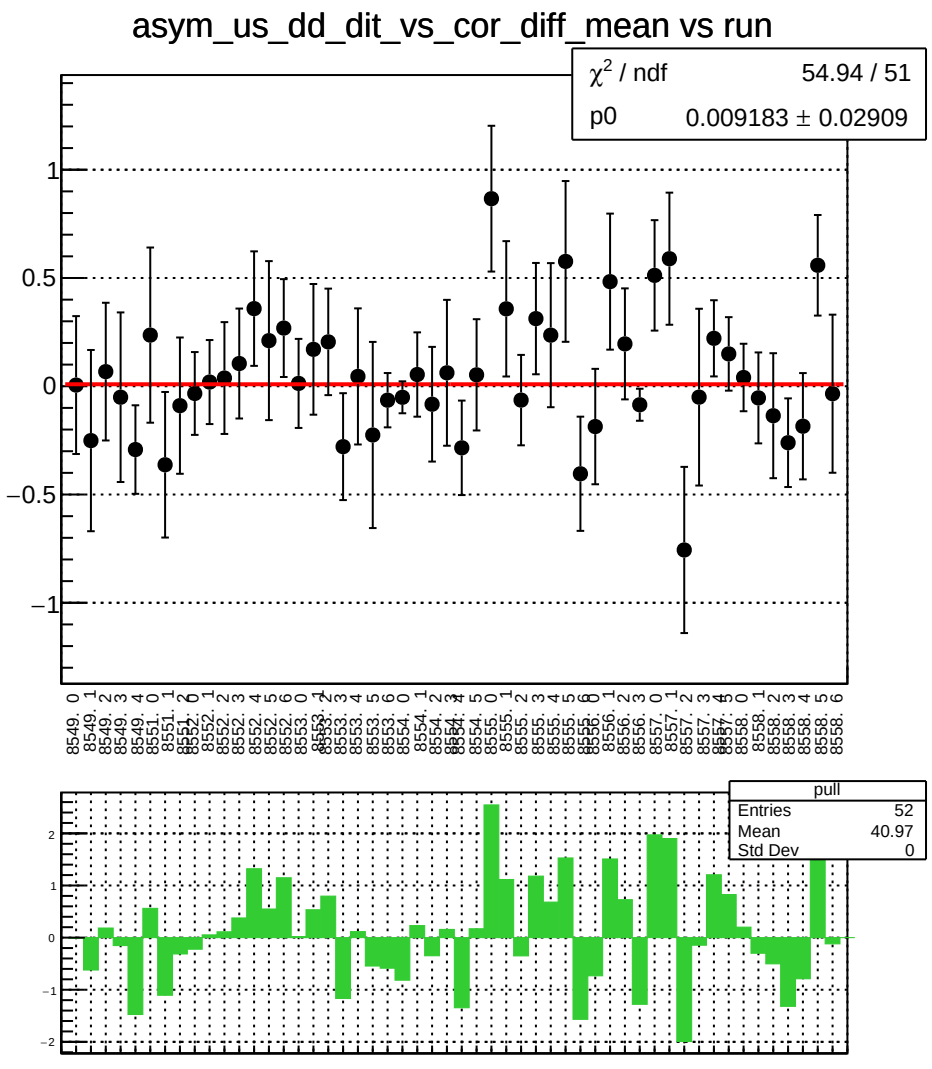
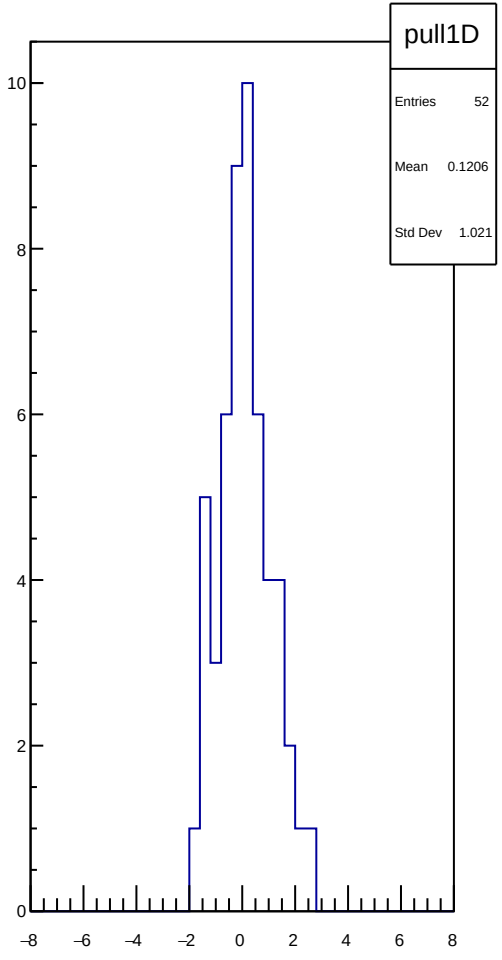
8554. 1
8554. 2
8554. 5
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

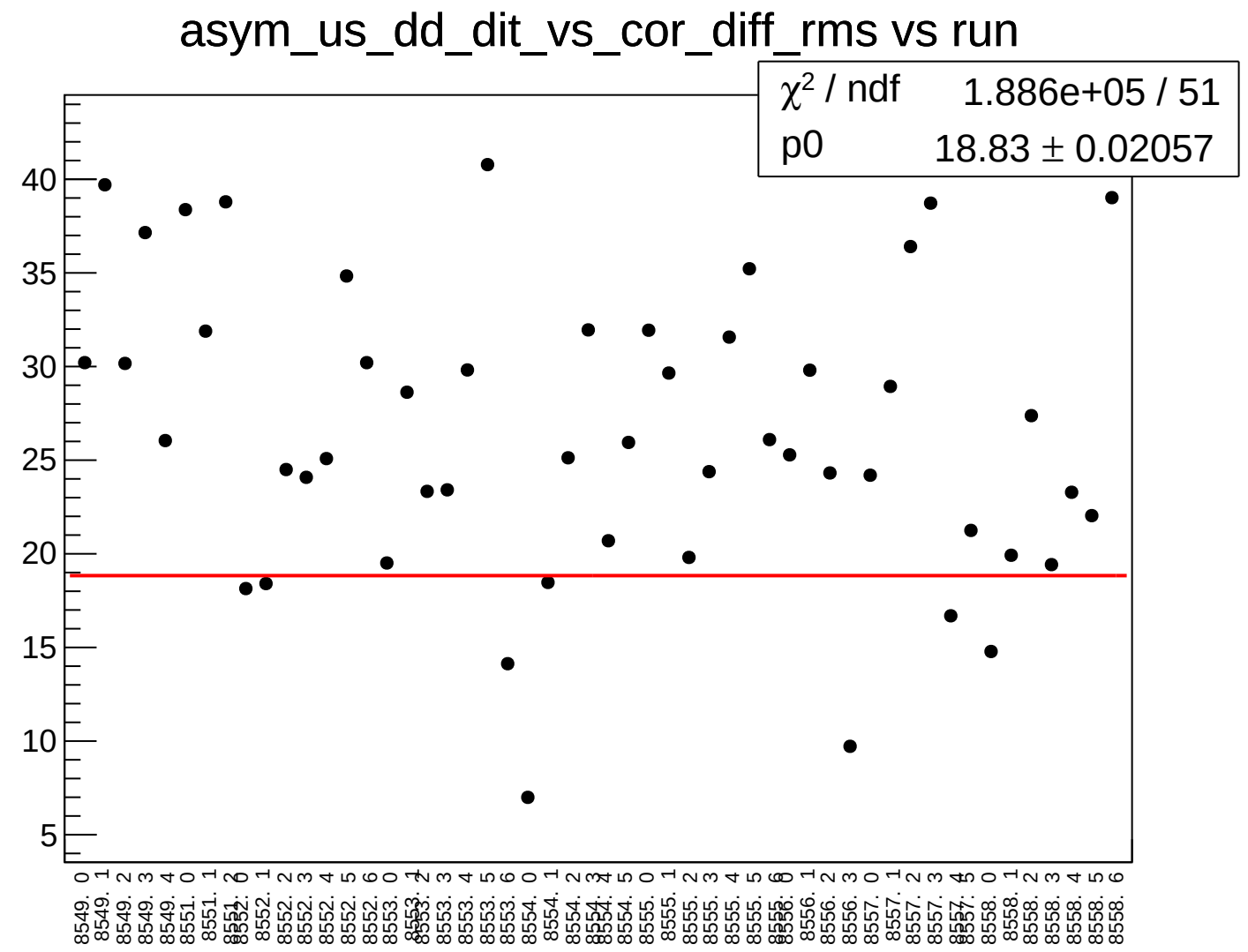

asym_us_dd_reg_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 54.16 / 51
p0 −9.886e−14 ± 1.055e−13
pull
Entries 52
Mean −103.9
Std Dev 0

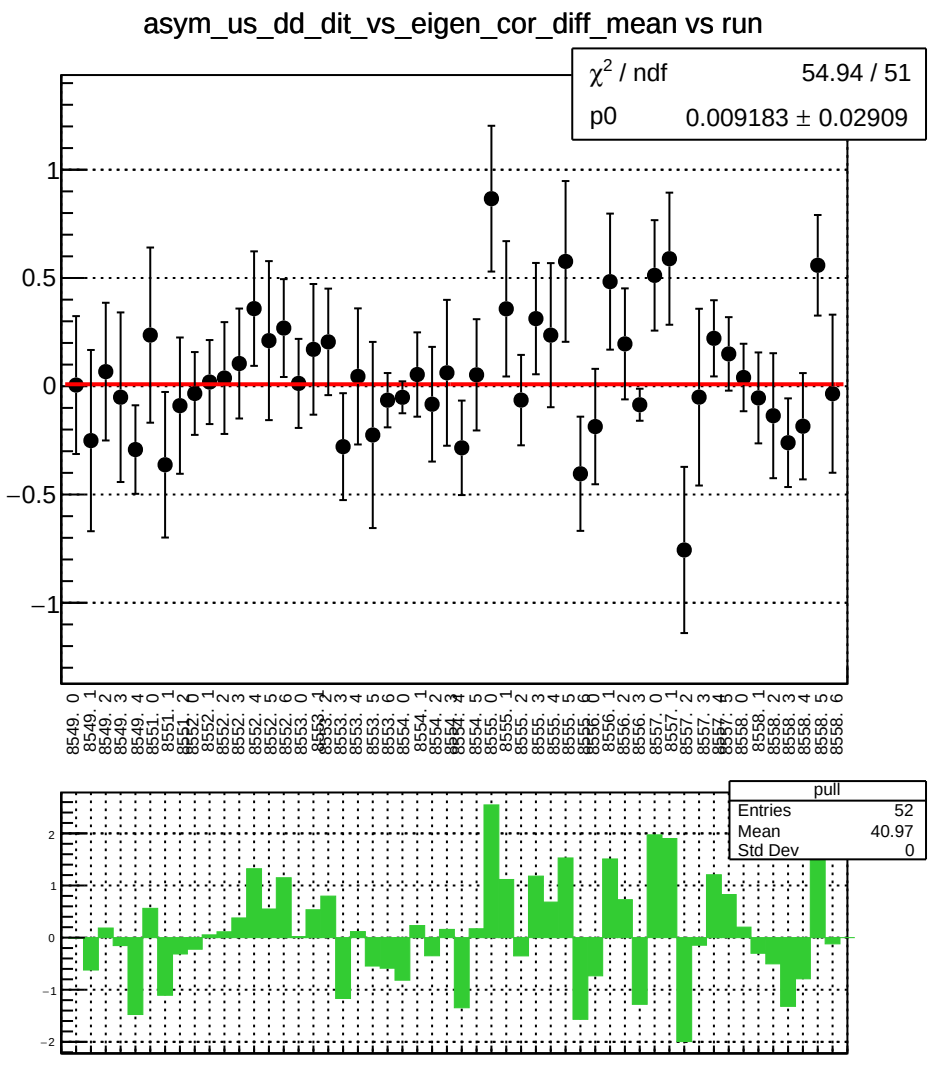

pull1D
Entries 52
Mean 0.038
Std Dev 1.02

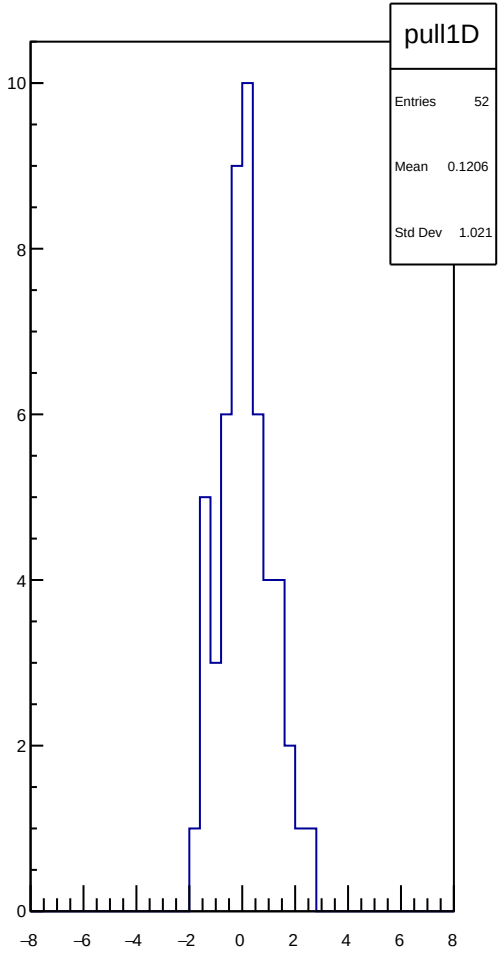

asym_us_dd_reg_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 3.741e+05 / 51
p0 6.026e−11 ± 7.459e−14
0.45
0.4
0.35
0.3
0.25
0.2
0.15
0.1
0.05
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 0
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 1
8553. 2
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 3
8554. 4
8554. 5
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 0
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8557. 4
8557. 5
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

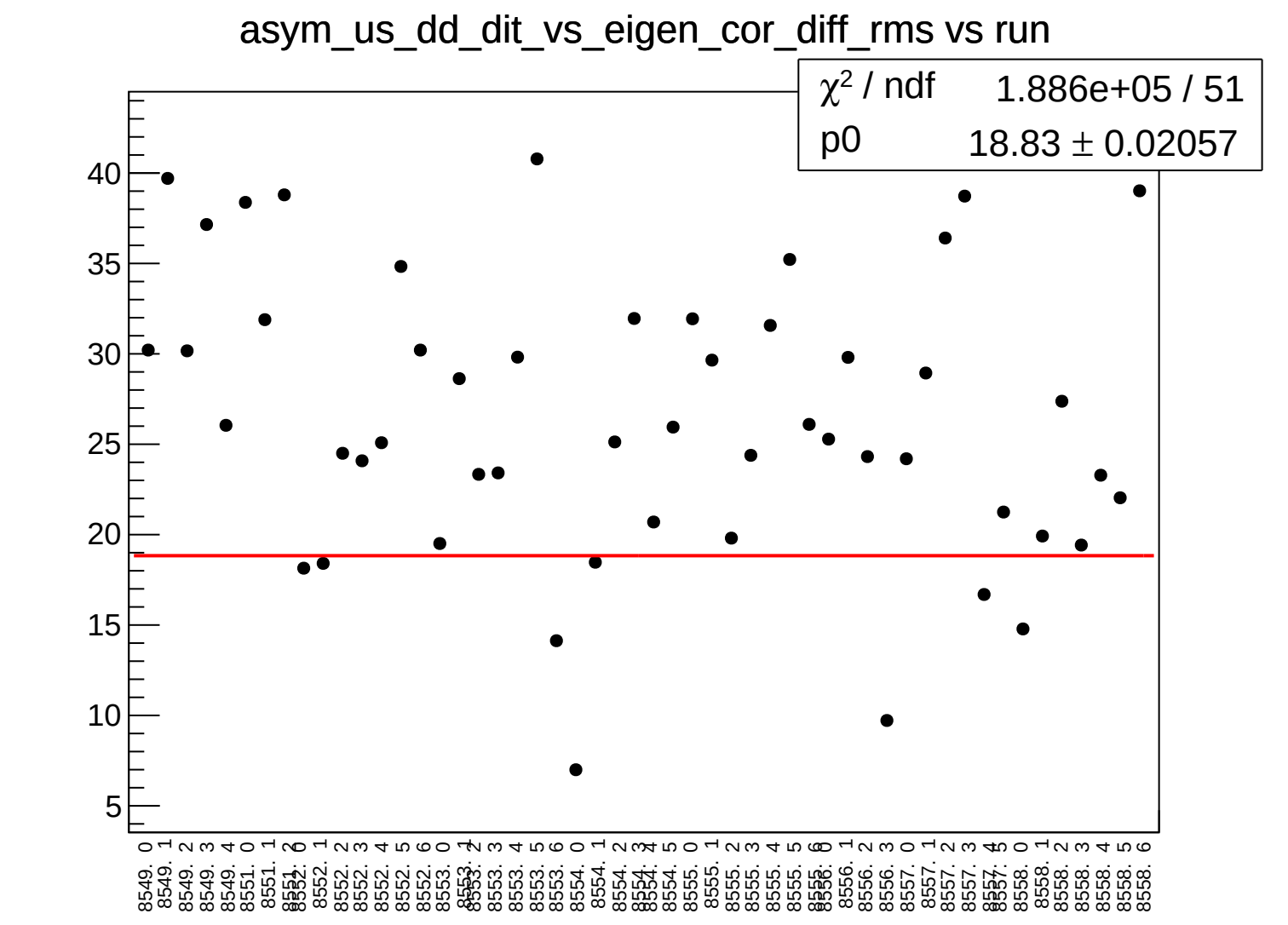

asym_us_dd_dit_vs_cor_diff_mean vs run
χ² / ndf 54.94 / 51
p0 0.009183 ± 0.02909
pull
Entries 52
Mean 40.97
Std Dev 0


pull1D
Entries 52
Mean 0.1206
Std Dev 1.021


asym_us_dd_dit_vs_cor_diff_rms vs run
χ² / ndf 1.886e+05 / 51
p0 18.83 ± 0.02057
40
35
30
25
20
15
10
5
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6


asym_us_dd_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 54.94 / 51
p0 0.009183 ± 0.02909
pull
Entries 52
Mean 40.97
Std Dev 0


pull1D
Entries 52
Mean 0.1206
Std Dev 1.021


asym_us_dd_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.886e+05 / 51
p0 18.83 ± 0.02057
40
35
30
25
20
15
10
5
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
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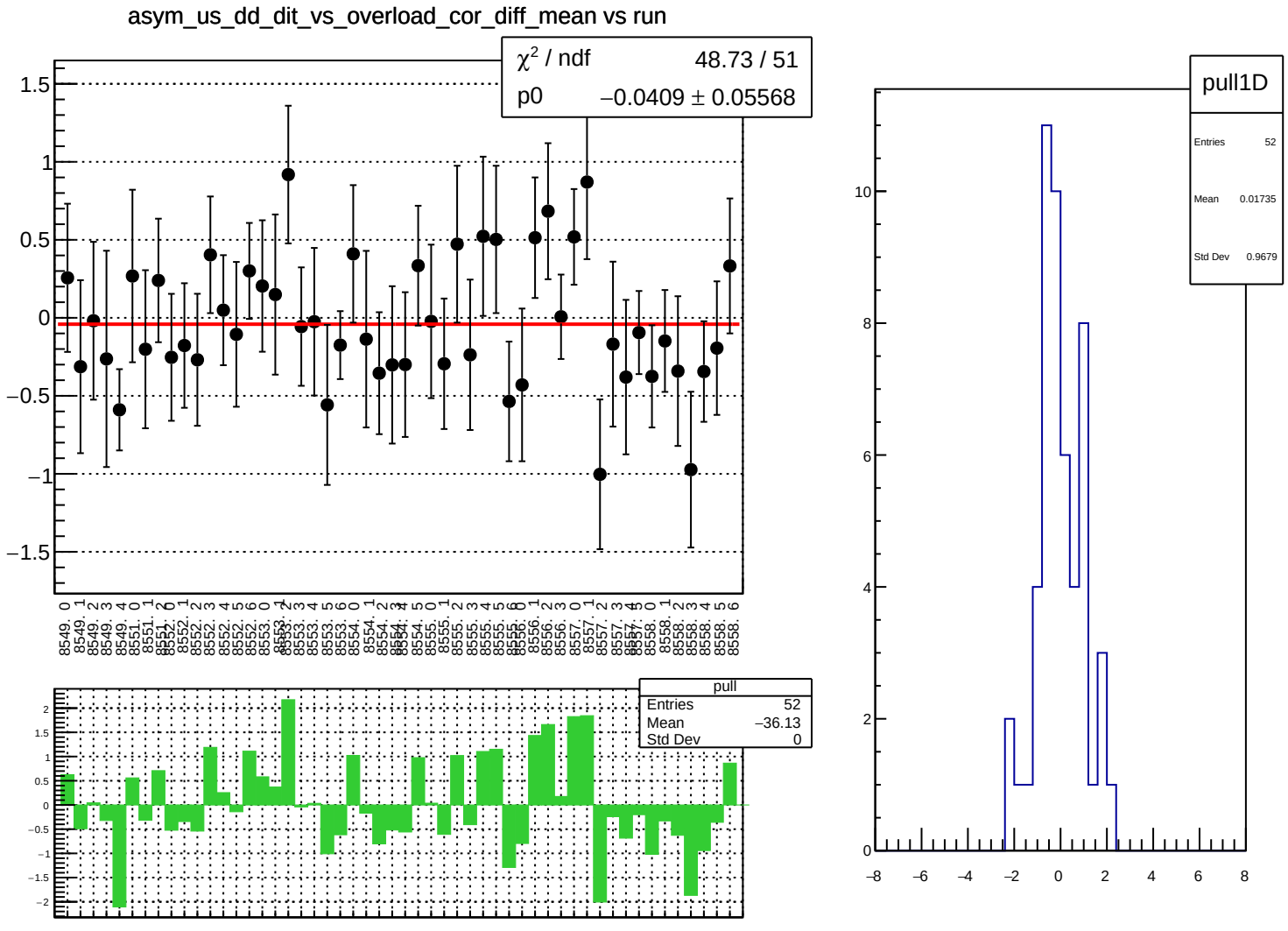
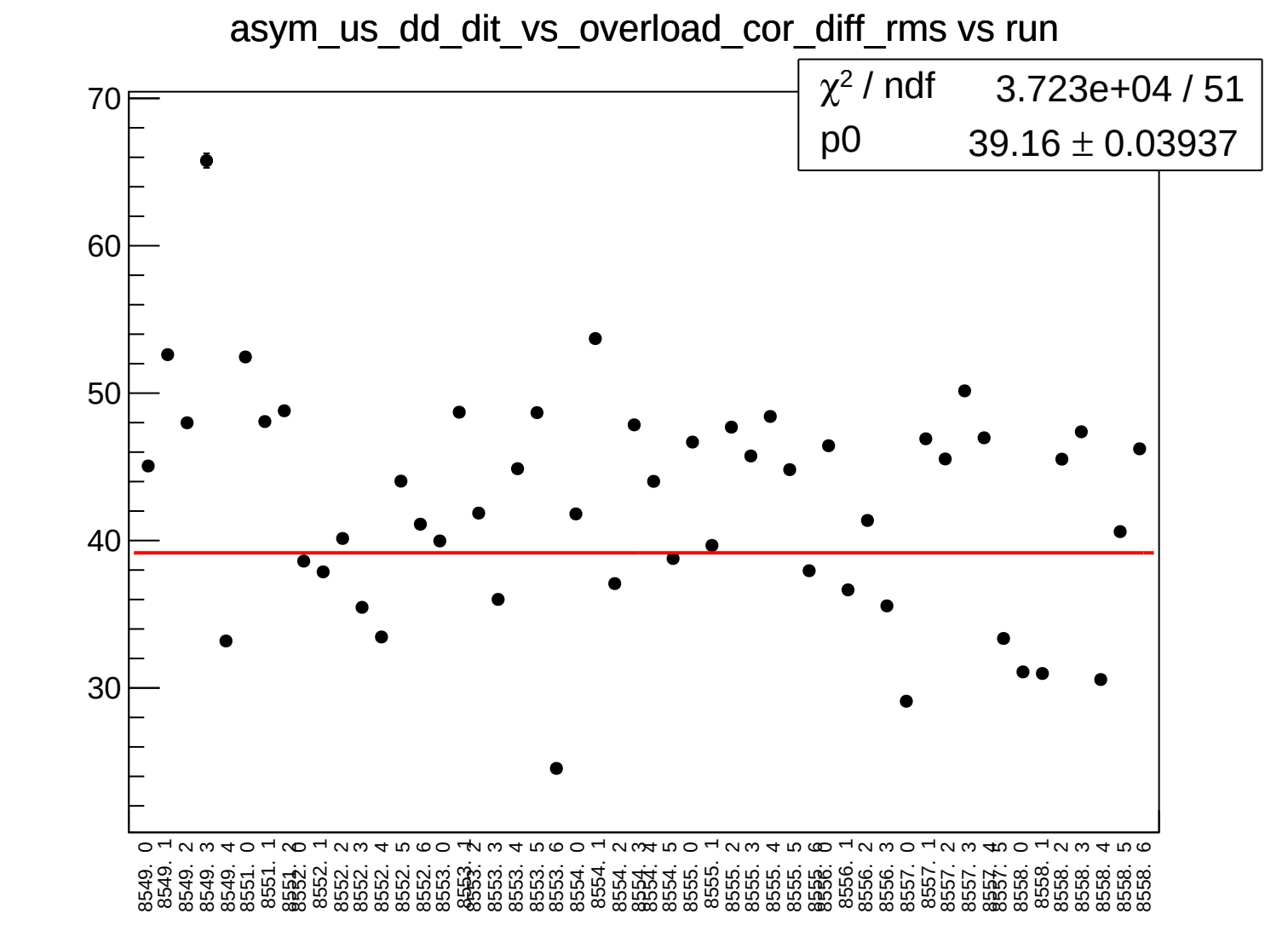
8558. 5
8558. 6


asym_us_dd_dit_vs_overload_cor_diff_mean vs run
χ² / ndf 48.73 / 51
p0 −0.0409 ± 0.05568
pull
Entries 52
Mean −36.13
Std Dev 0
pull1D
Entries 52
Mean 0.01735
Std Dev 0.9679


asym_us_dd_dit_vs_overload_cor_diff_rms vs run
χ² / ndf 3.723e+04 / 51
p0 39.16 ± 0.03937
70
60
50
40
30
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
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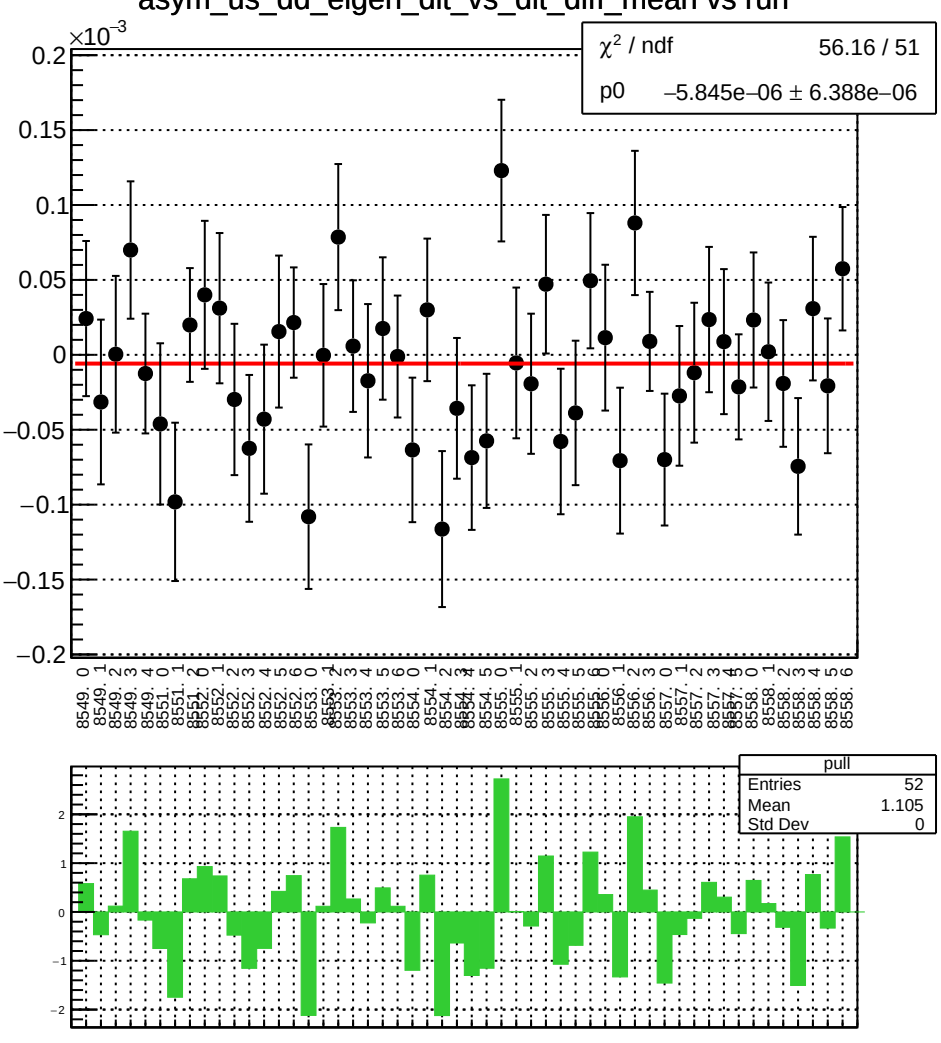
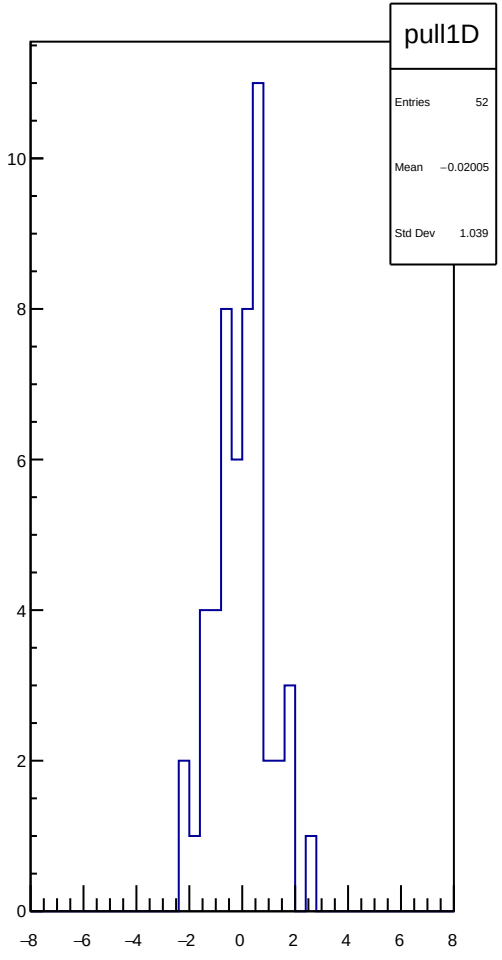
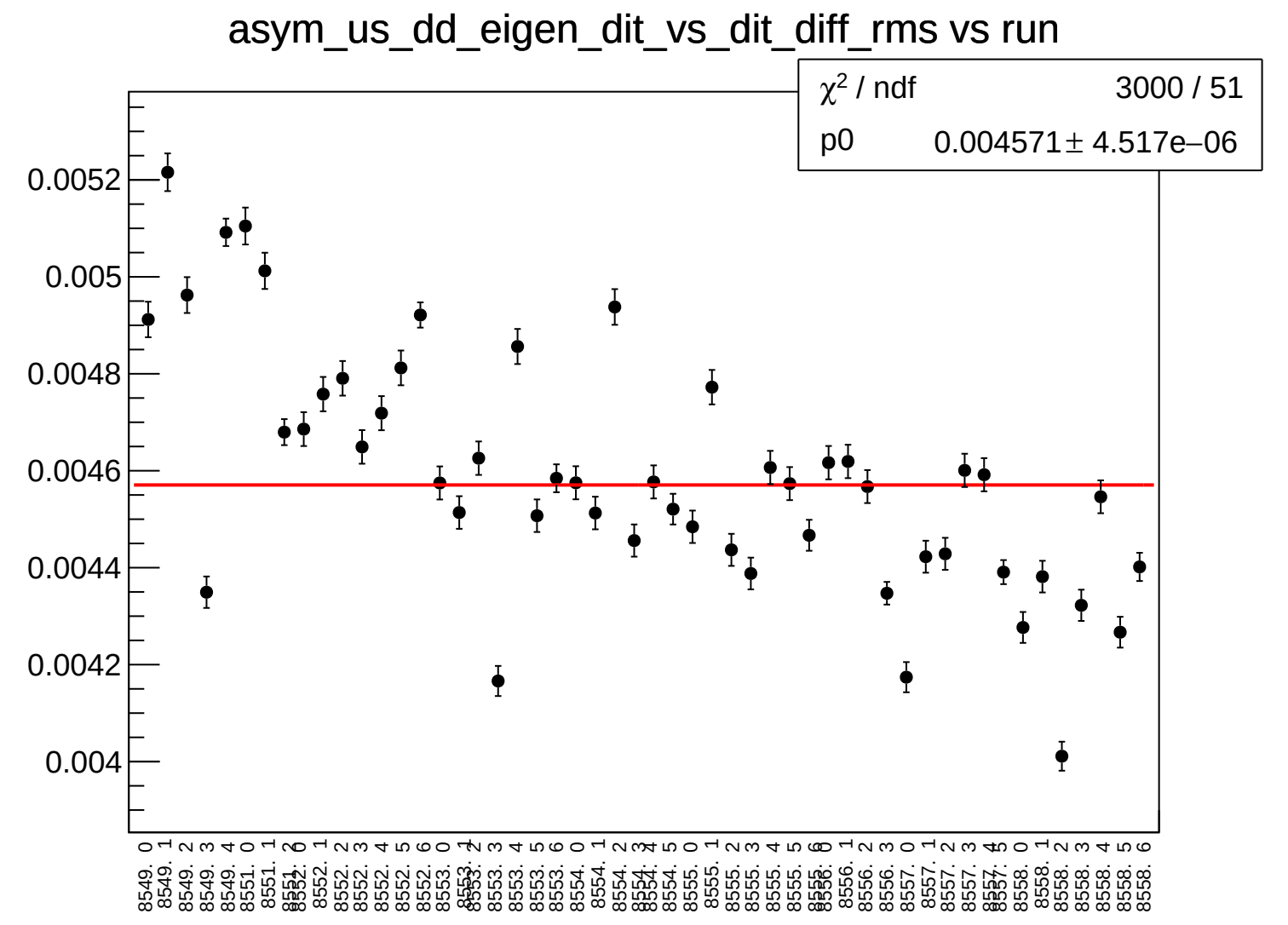
8558. 5
8558. 6


asym_us_dd_eigen_dit_vs_dit_diff_mean vs run
χ² / ndf 56.16 / 51
p0 −5.845e−06 ± 6.388e−06
pull
Entries 52
Mean 1.105
Std Dev 0


pull1D
Entries 52
Mean −0.02005
Std Dev 1.039


asym_us_dd_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 3000 / 51
p0 0.004571 ± 4.517e−06
0.0052
0.005
0.0048
0.0046
0.0044
0.0042
0.004
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 5
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
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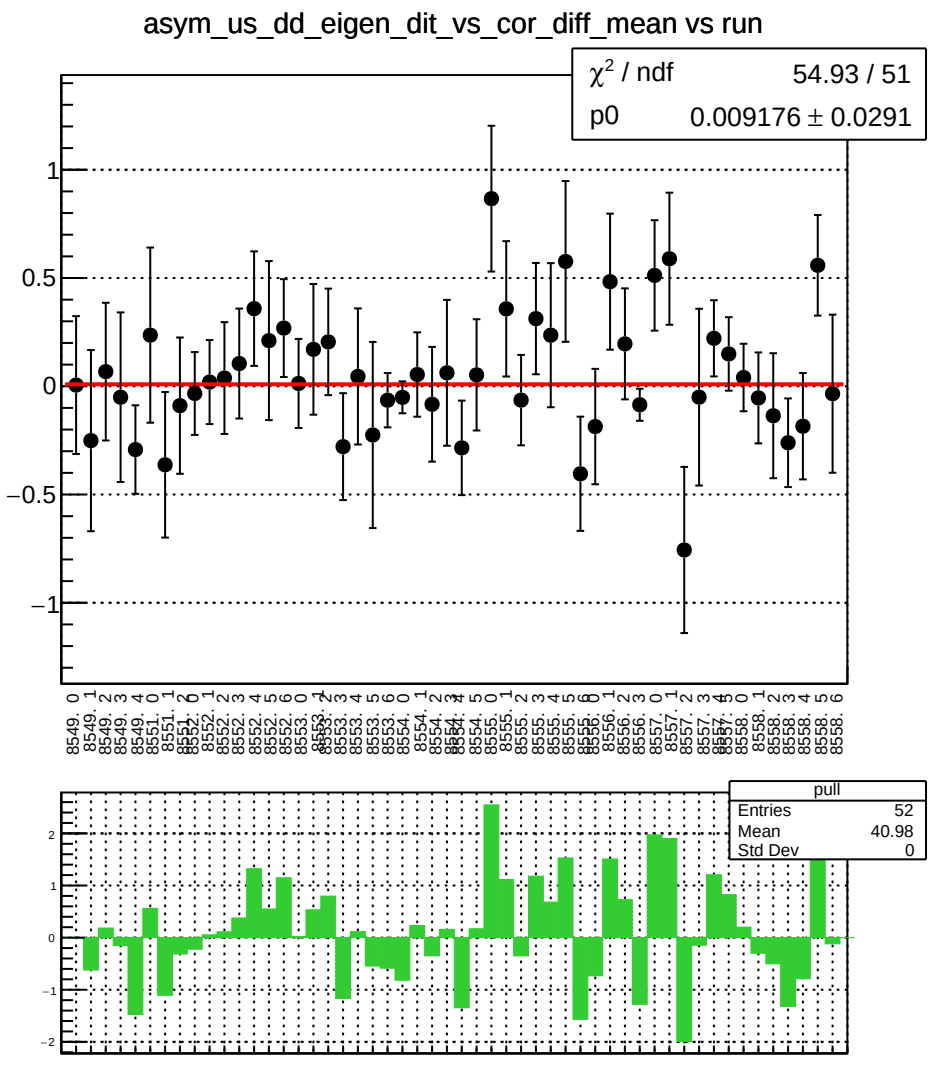
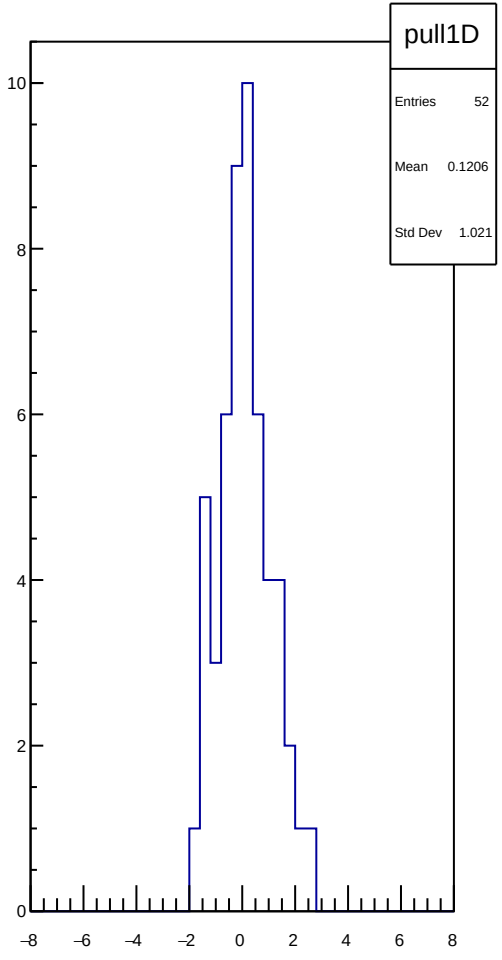
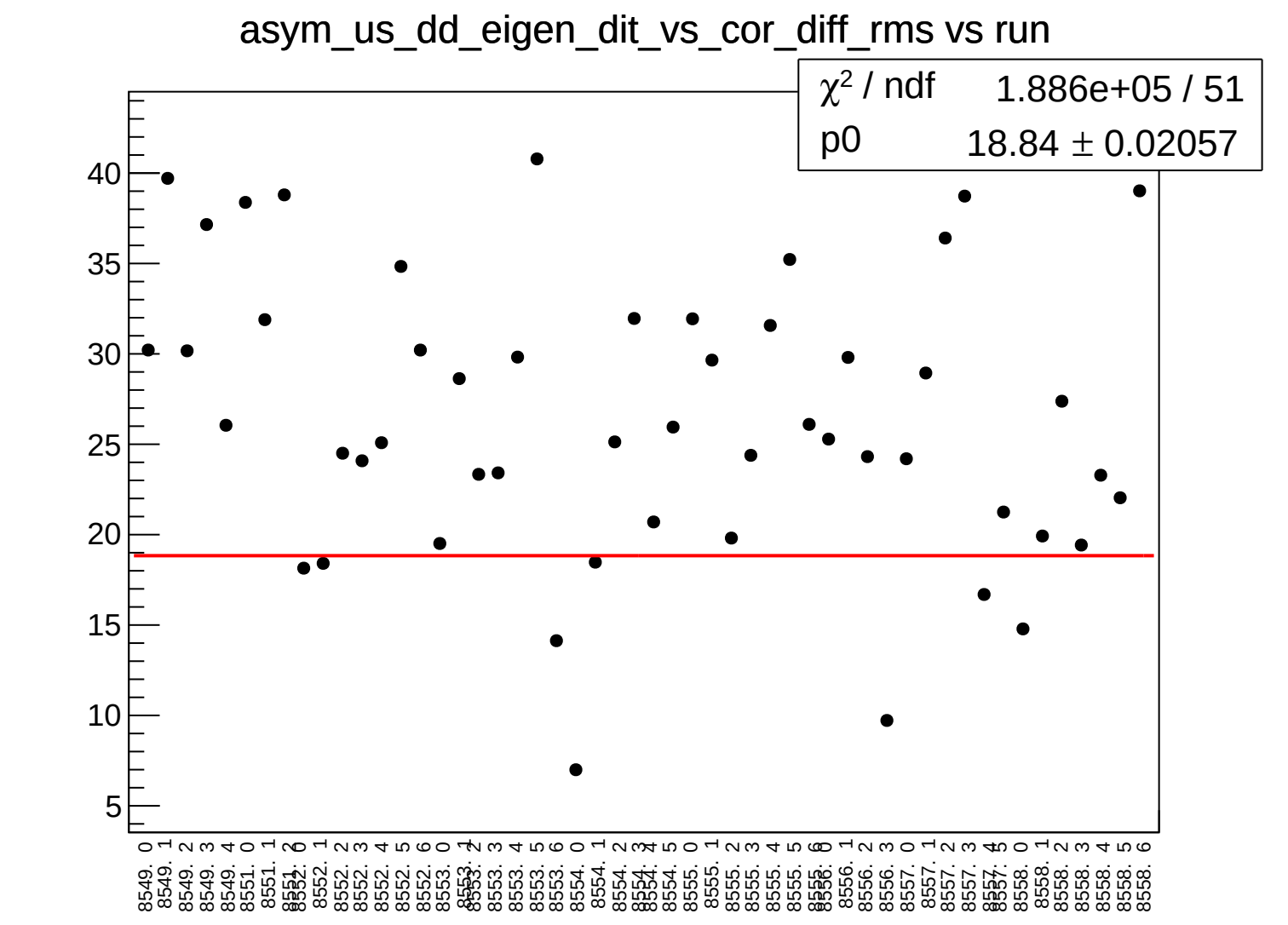
8558. 5
8558. 6


asym_us_dd_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 54.93 / 51
p0 0.009176 ± 0.0291
pull
Entries 52
Mean 40.98
Std Dev 0


pull1D
Entries 52
Mean 0.1206
Std Dev 1.021


asym_us_dd_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 1.886e+05 / 51
p0 18.84 ± 0.02057
40
35
30
25
20
15
10
5
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
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8554. 1
8554. 2
8555. 0
8555. 1
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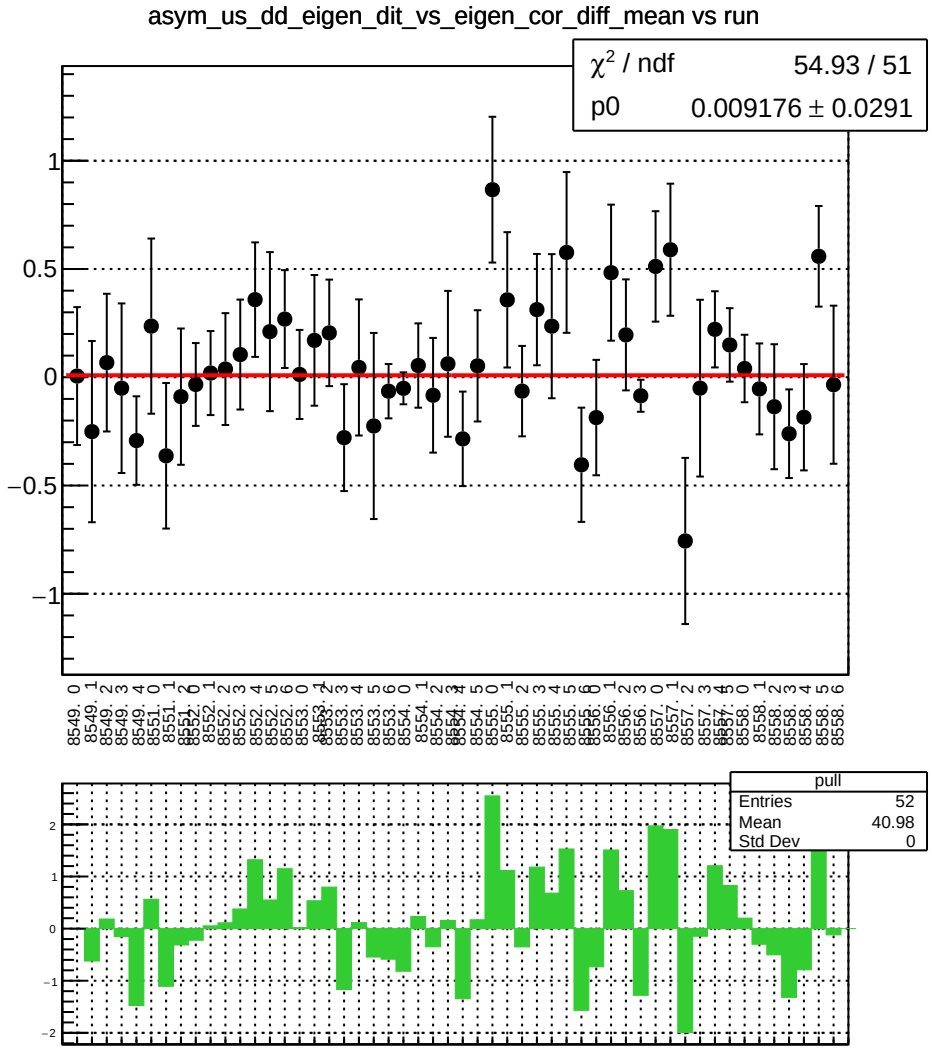
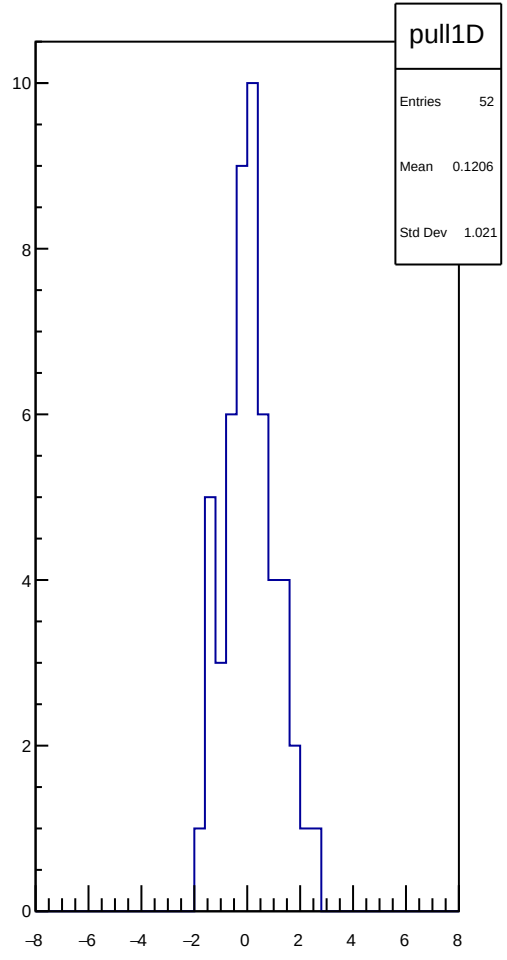
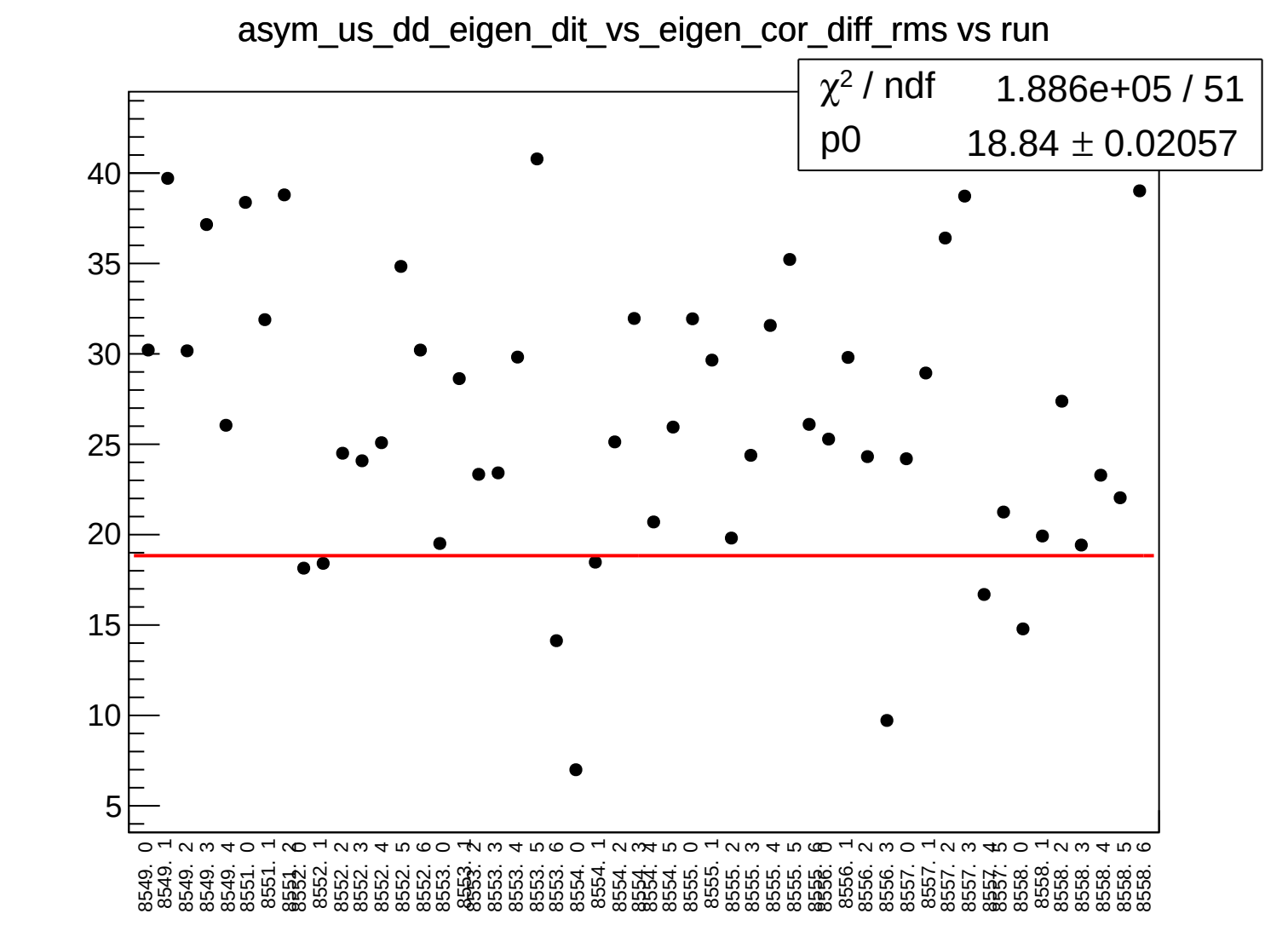
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6


asym_us_dd_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 54.93 / 51
p0 0.009176 ± 0.0291
pull
Entries 52
Mean 40.98
Std Dev 0


pull1D
Entries 52
Mean 0.1206
Std Dev 1.021


asym_us_dd_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.886e+05 / 51
p0 18.84 ± 0.02057
40
35
30
25
20
15
10
5
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
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8552. 5
8552. 6
8553. 0
8553. 3
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8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8555. 0
8555. 1
8555. 2
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8556. 2
8556. 3
8557. 0
8557. 1
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8558. 0
8558. 1
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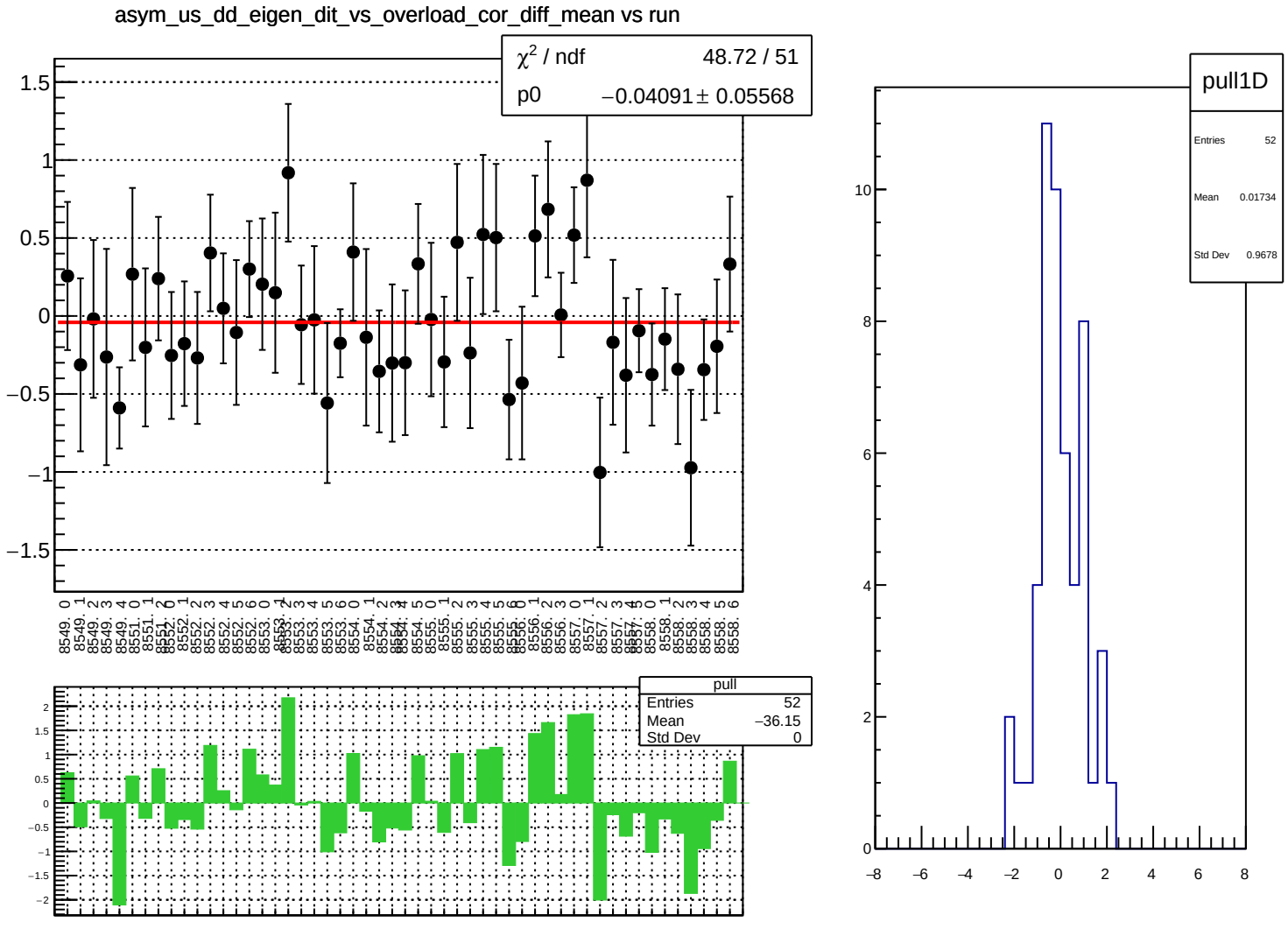
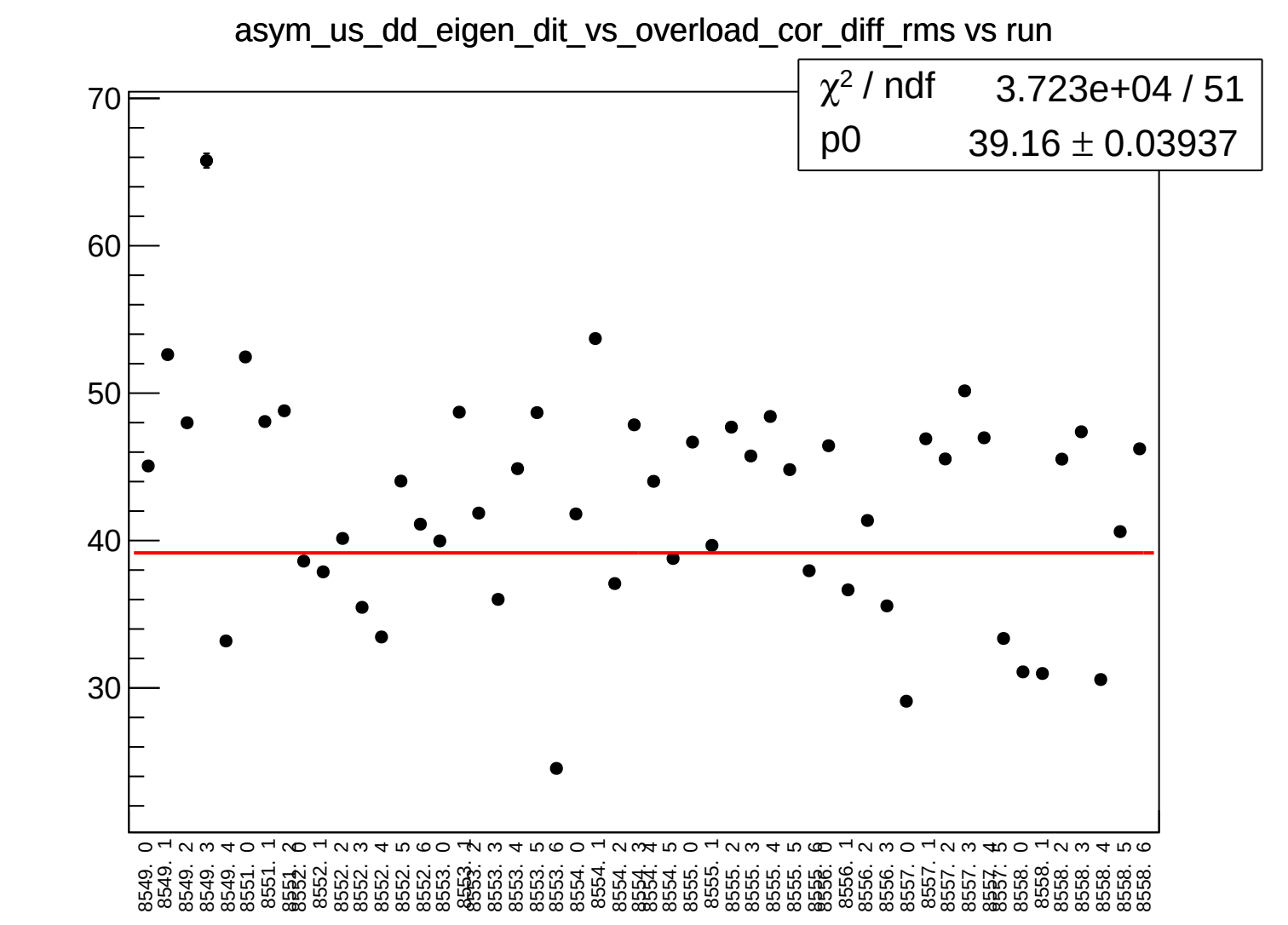
8558. 6


asym_us_dd_eigen_dit_vs_overload_cor_diff_mean vs run
χ² / ndf 48.72 / 51
p0 −0.04091 ± 0.05568
pull
Entries 52
Mean −36.15
Std Dev 0
pull1D
Entries 52
Mean 0.01734
Std Dev 0.9678


asym_us_dd_eigen_dit_vs_overload_cor_diff_rms vs run
χ² / ndf 3.723e+04 / 51
p0 39.16 ± 0.03937
70
60
50
40
30
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
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8554. 1
8554. 2
8555. 0
8555. 1
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8555. 3
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8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
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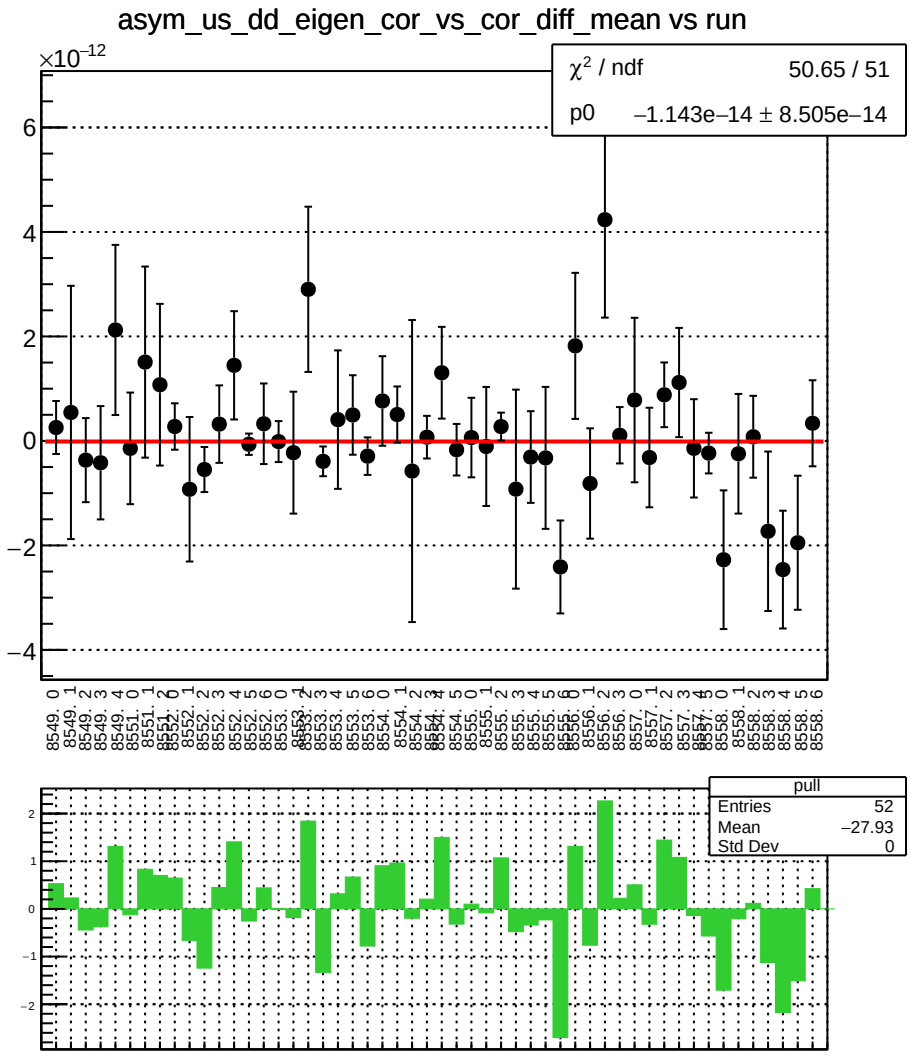
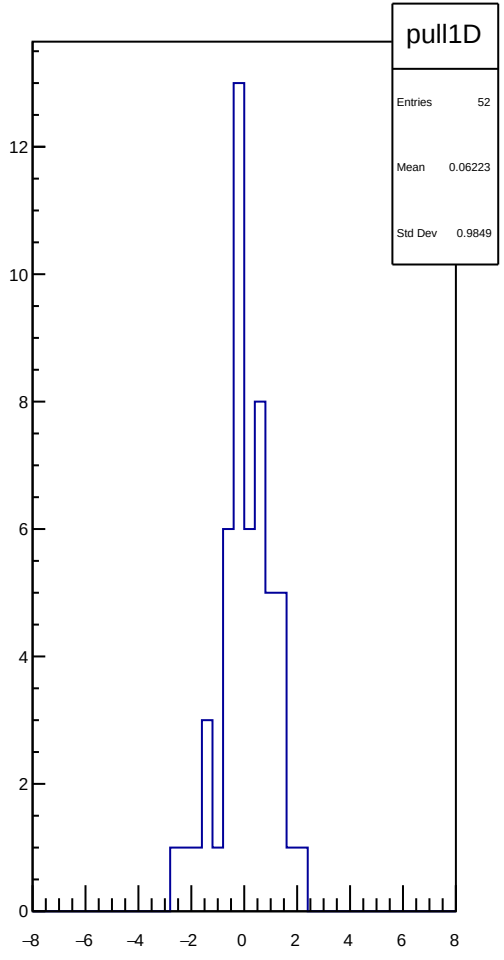
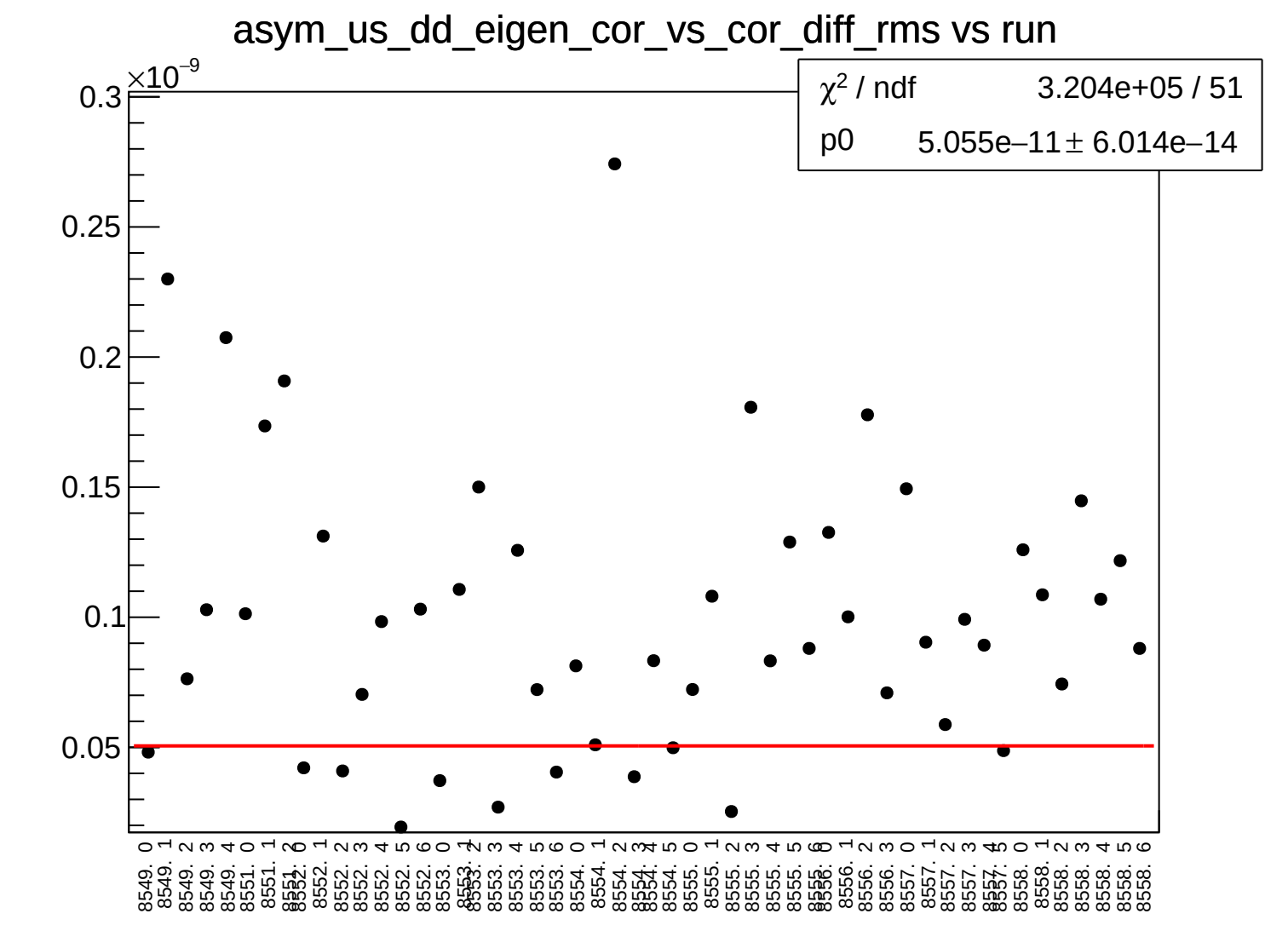
8558. 5
8558. 6


asym_us_dd_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 50.65 / 51
p0 −1.143e−14 ± 8.505e−14
pull
Entries 52
Mean −27.93
Std Dev 0


pull1D
Entries 52
Mean 0.06223
Std Dev 0.9849


asym_us_dd_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 3.204e+05 / 51
p0 5.055e−11 ± 6.014e−14
0.3
0.25
0.2
0.15
0.1
0.05
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
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8554. 2
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8555. 2
8555. 3
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8556. 1
8556. 2
8556. 3
8557. 0
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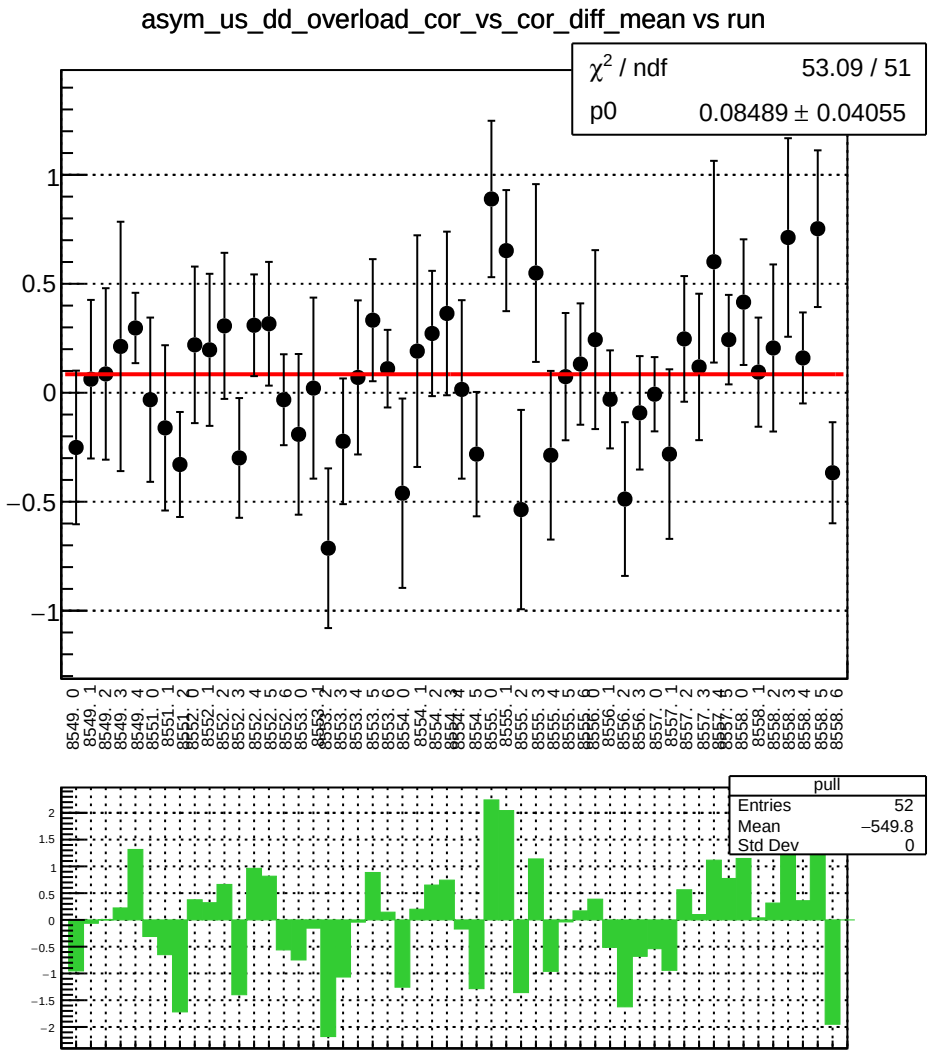
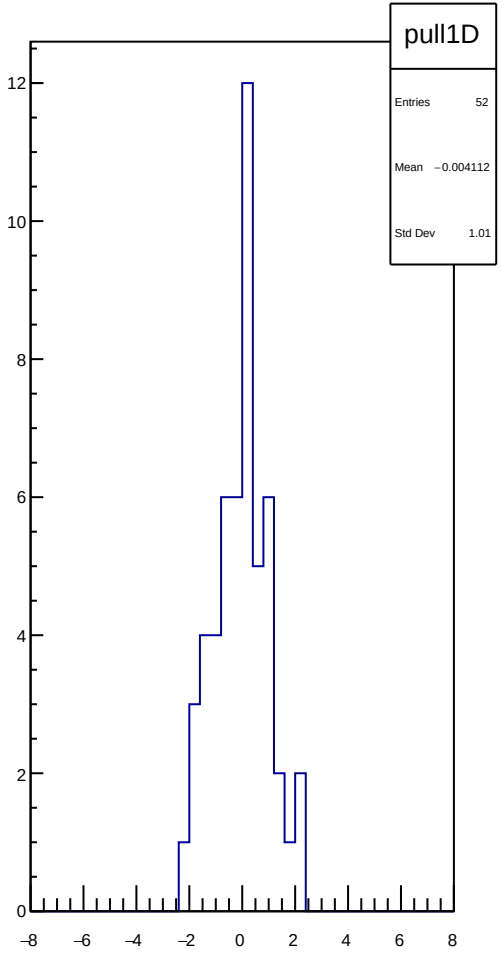
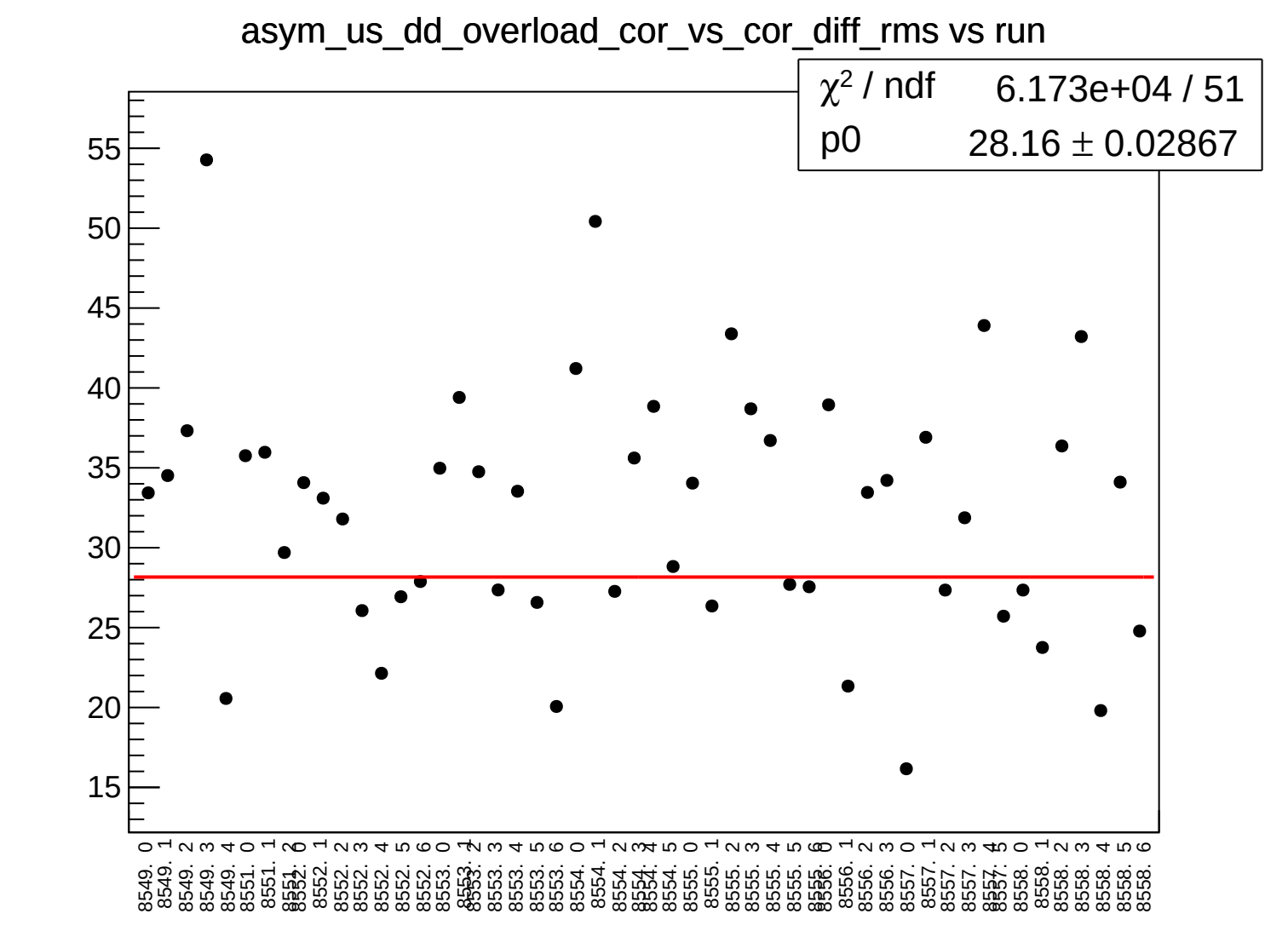
8558. 6


asym_us_dd_overload_cor_vs_cor_diff_mean vs run
χ² / ndf 53.09 / 51
p0 0.08489 ± 0.04055
pull
Entries 52
Mean −549.8
Std Dev 0


pull1D
Entries 52
Mean −0.004112
Std Dev 1.01


asym_us_dd_overload_cor_vs_cor_diff_rms vs run
χ² / ndf 6.173e+04 / 51
p0 28.16 ± 0.02867
55
50
45
40
35
30
25
20
15
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
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8554. 1
8554. 2
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8555. 3
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8556. 1
8556. 2
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8557. 0
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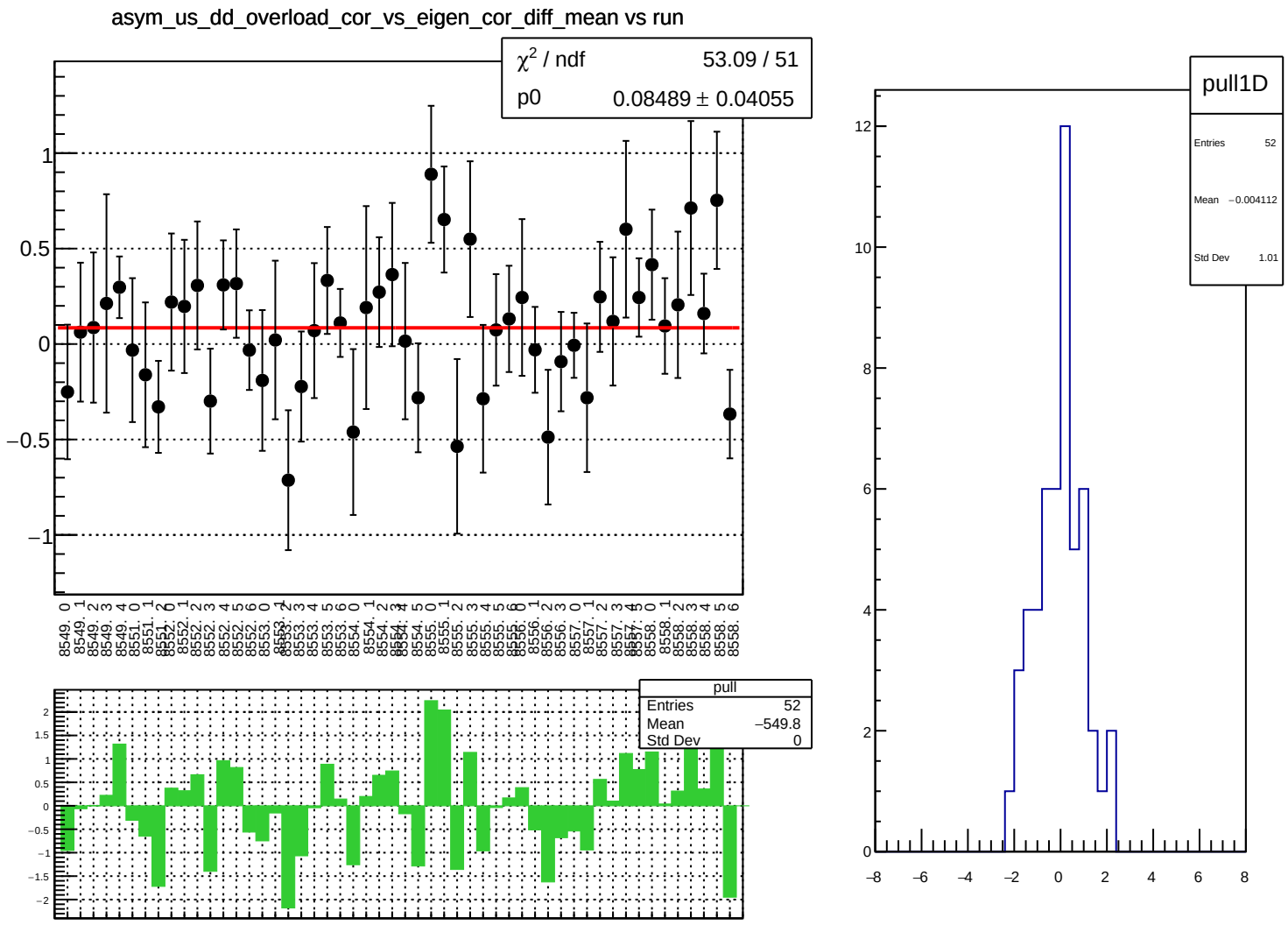
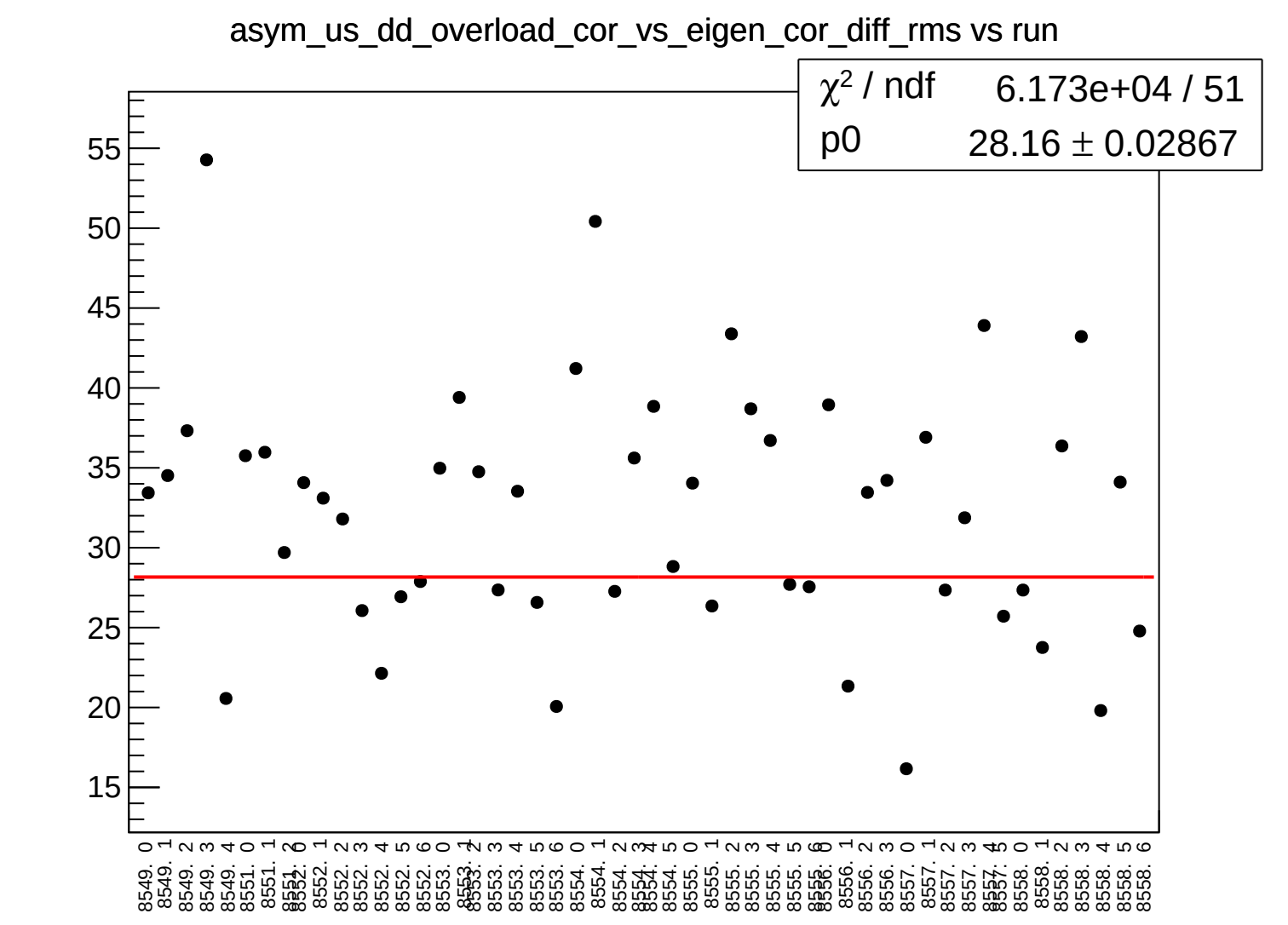
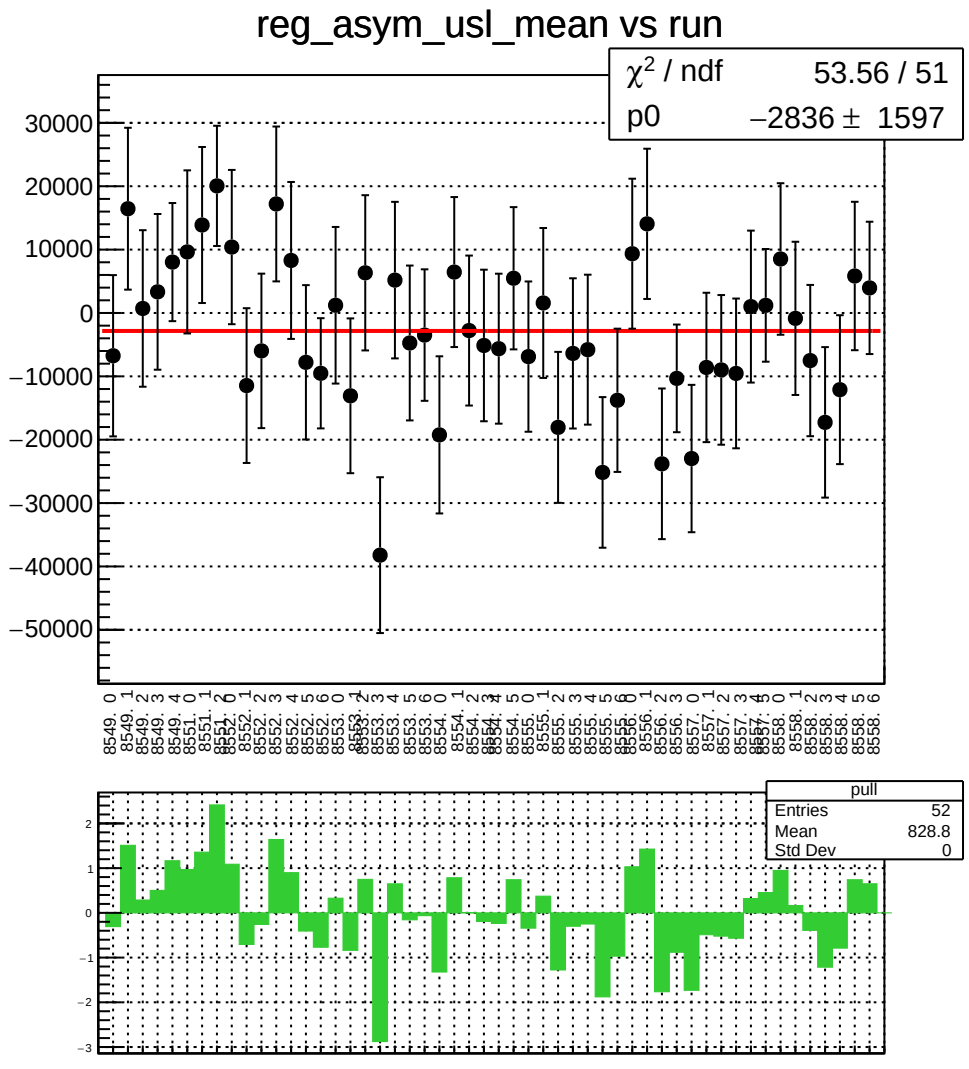
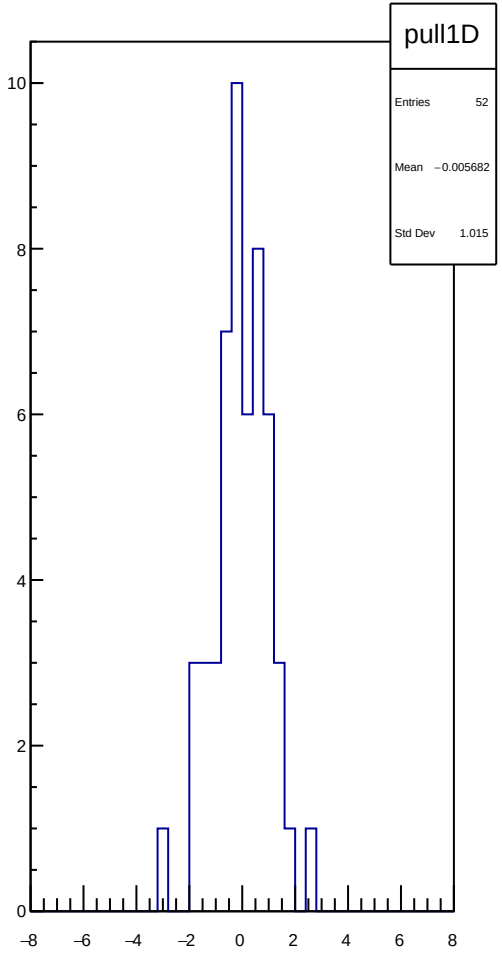
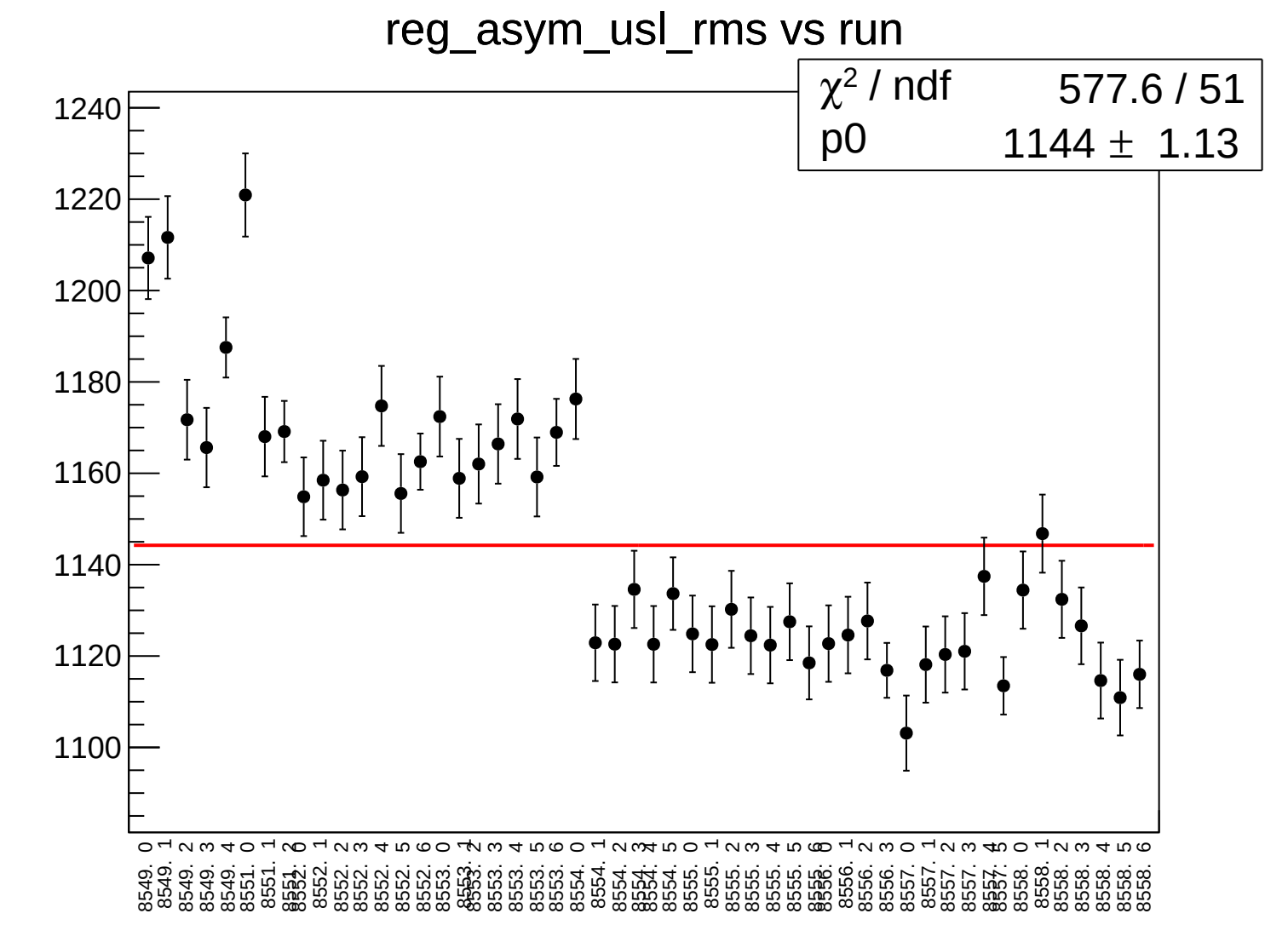
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

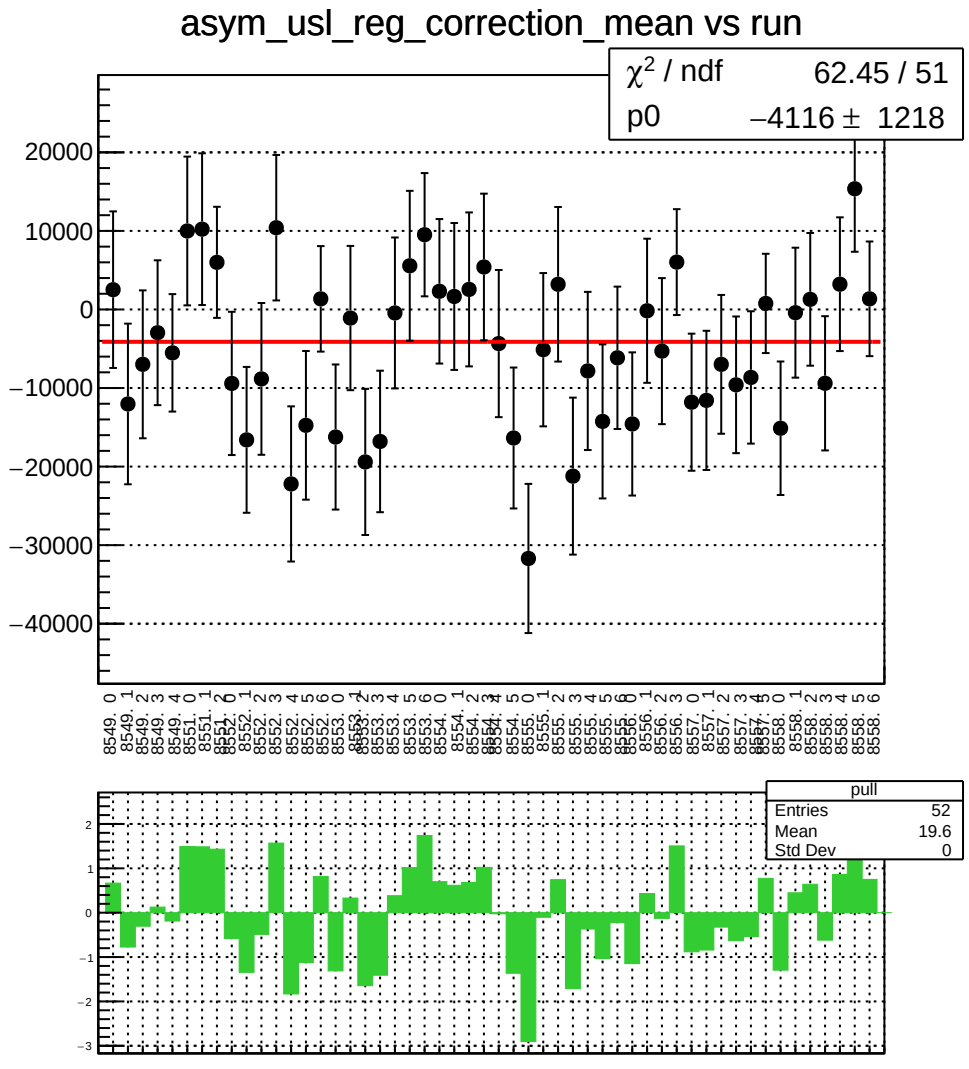

asym_us_dd_overload_cor_vs_eigen_cor_diff_mean vs run
χ² / ndf 53.09 / 51
p0 0.08489 ± 0.04055
pull
Entries 52
Mean −549.8
Std Dev 0
pull1D
Entries 52
Mean −0.004112
Std Dev 1.01

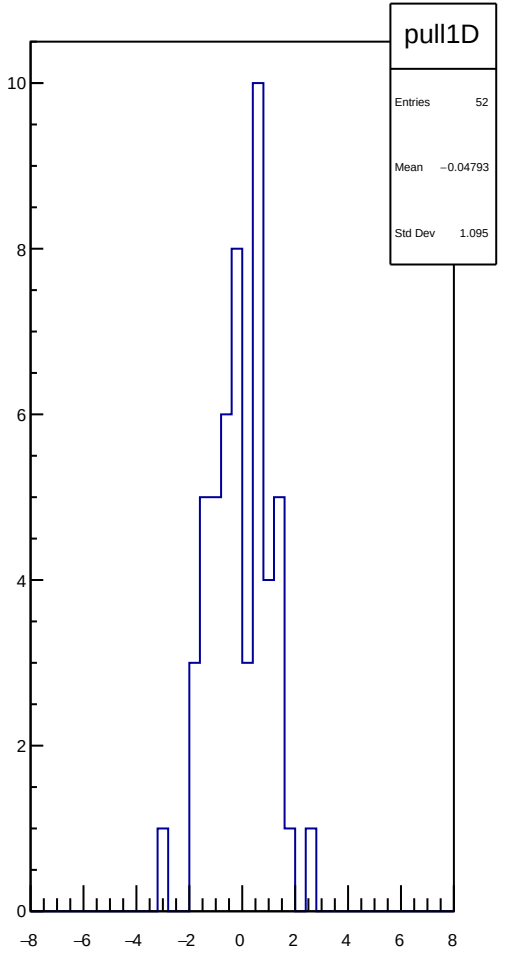

asym_us_dd_overload_cor_vs_eigen_cor_diff_rms vs run
χ² / ndf 6.173e+04 / 51
p0 28.16 ± 0.02867
55
50
45
40
35
30
25
20
15
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

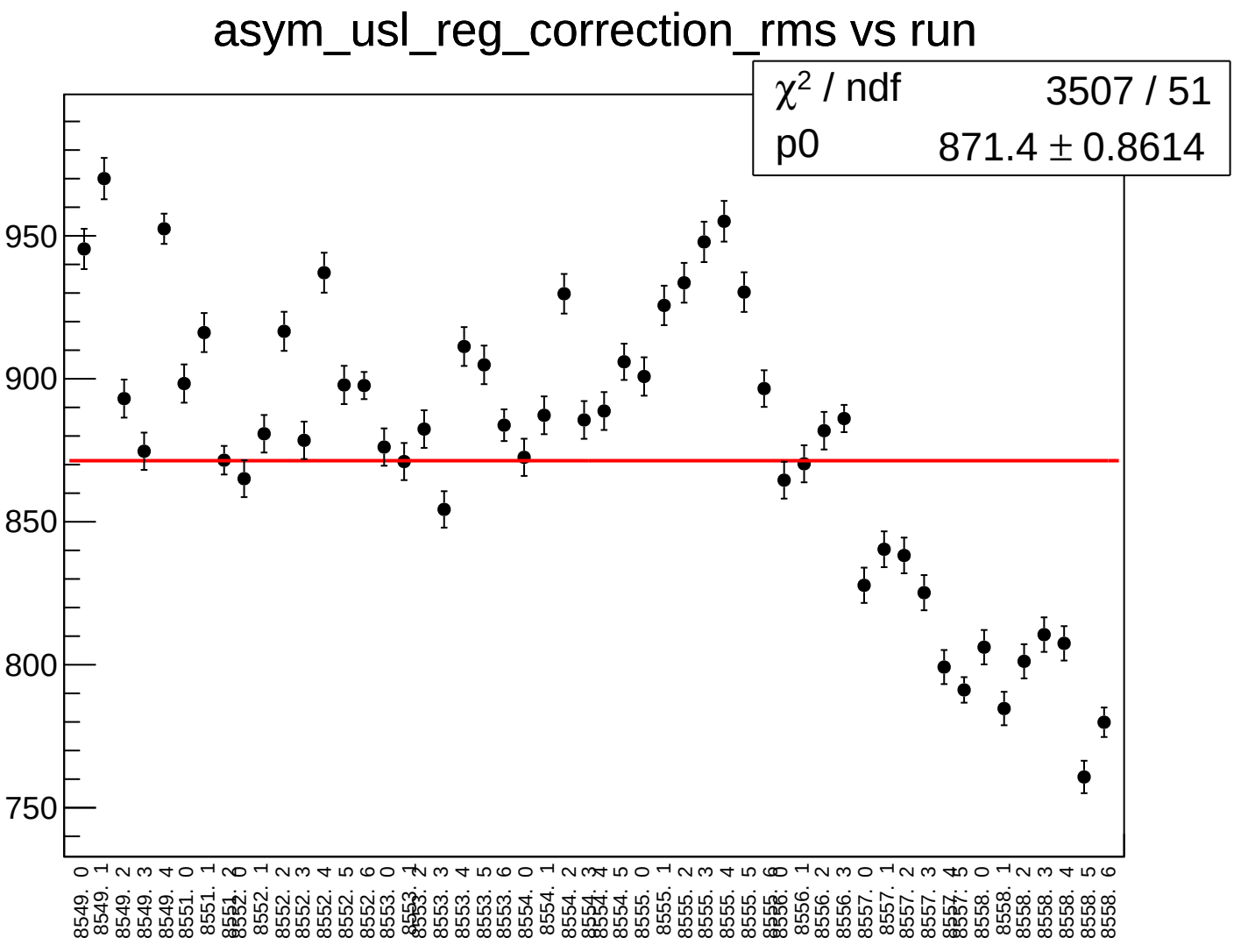

reg_asym_usl_mean vs run
χ² / ndf 53.56 / 51
p0 −2836 ± 1597
pull
Entries 52
Mean 828.8
Std Dev 0


pull1D
Entries 52
Mean −0.005682
Std Dev 1.015


reg_asym_usl_rms vs run
χ² / ndf 577.6 / 51
p0 1144 ± 1.13
1240
1220
1200
1180
1160
1140
1120
1100
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6


asym_usl_reg_correction_mean vs run
χ² / ndf 62.45 / 51
p0 −4116 ± 1218
20000
10000
0
−10000
−20000
−30000
−40000
pull
Entries 52
Mean 19.6
Std Dev 0
2
1
0
−1
−2
−3


pull1D
Entries 52
Mean −0.04793
Std Dev 1.095
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


asym_usl_reg_correction_rms vs run
χ² / ndf 3507 / 51
p0 871.4 ± 0.8614
950
900
850
800
750
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 5
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
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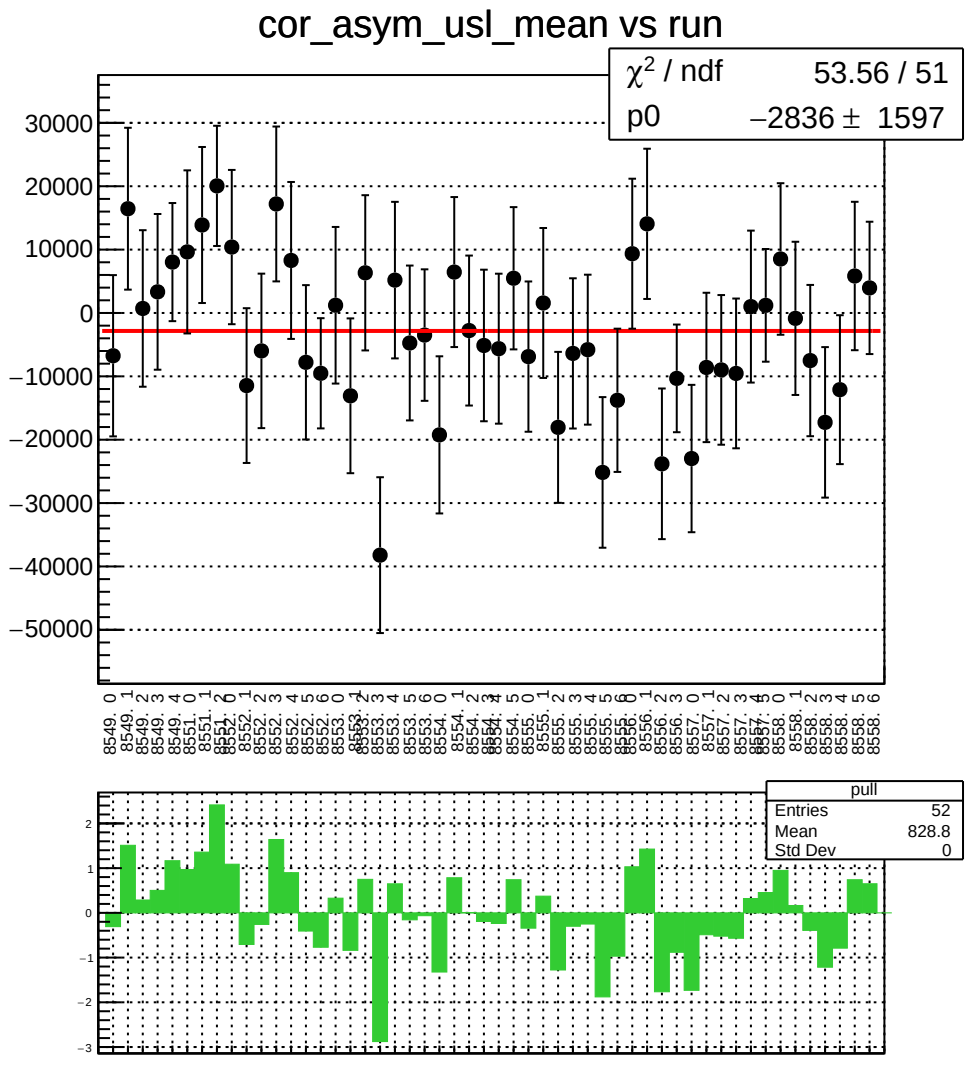
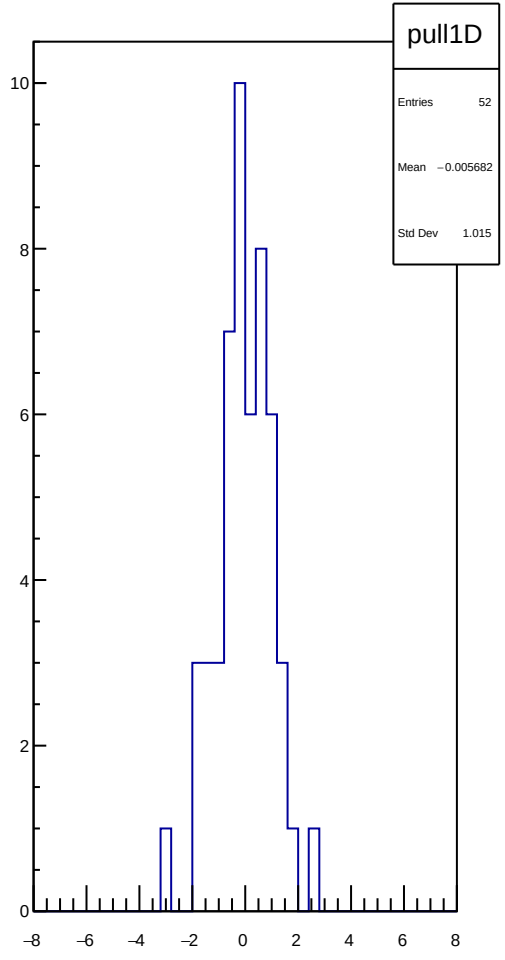
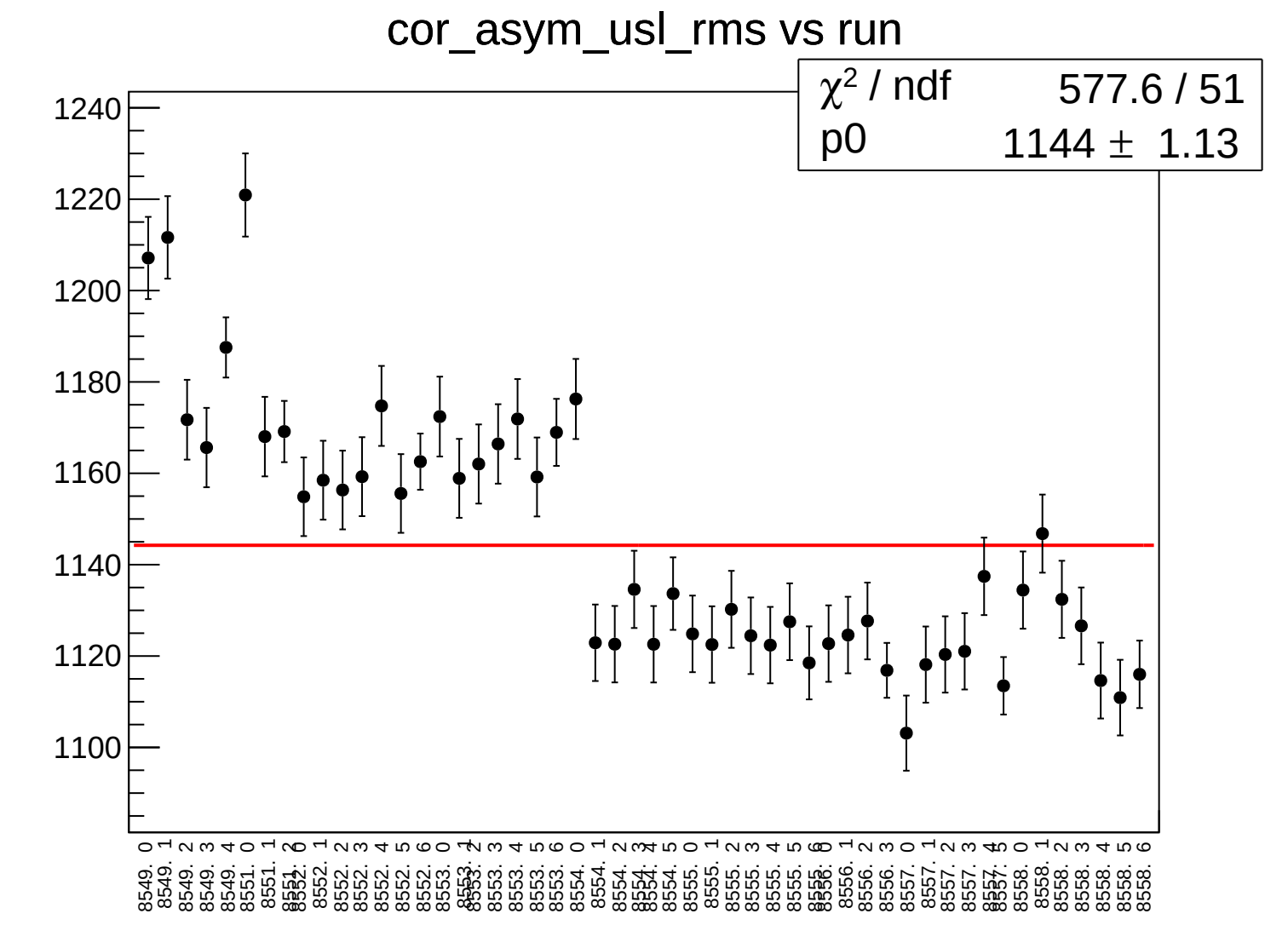
8558. 5
8558. 6


cor_asym_usl_mean vs run
χ² / ndf 53.56 / 51
p0 −2836 ± 1597
pull
Entries 52
Mean 828.8
Std Dev 0


pull1D
Entries 52
Mean −0.005682
Std Dev 1.015


cor_asym_usl_rms vs run
χ² / ndf 577.6 / 51
p0 1144 ± 1.13
1240
1220
1200
1180
1160
1140
1120
1100
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 5
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8555. 2
8555. 3
8555. 4
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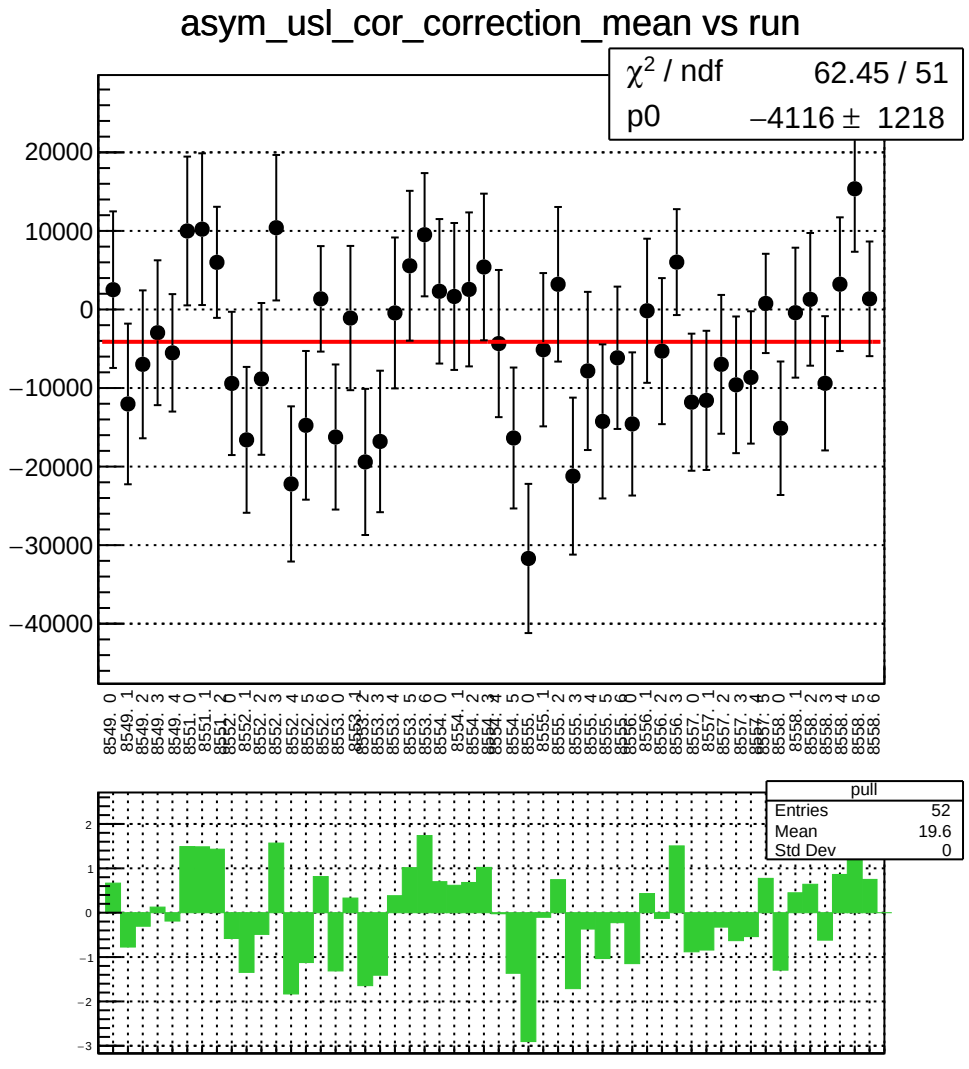
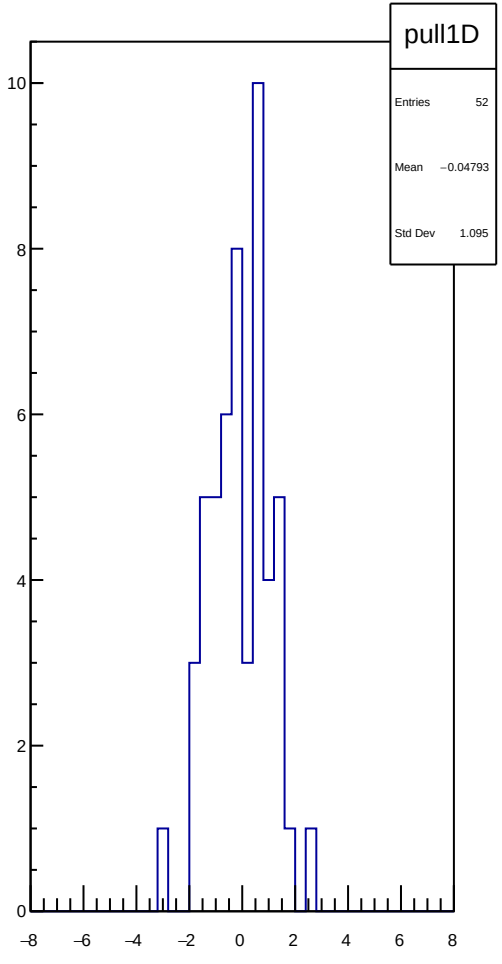
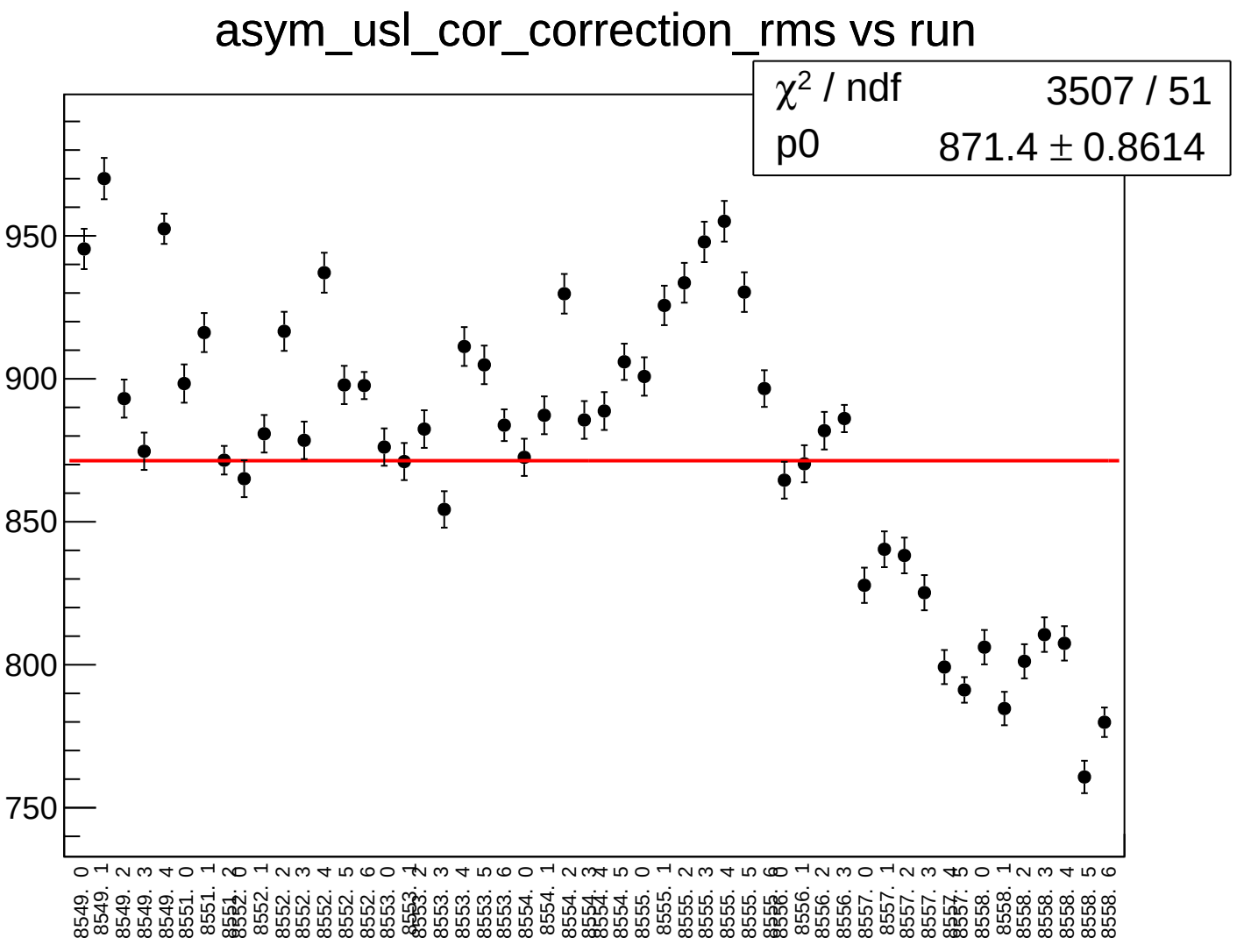
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6


asym_usl_cor_correction_mean vs run
χ² / ndf 62.45 / 51
p0 −4116 ± 1218
20000
10000
0
−10000
−20000
−30000
−40000
pull
Entries 52
Mean 19.6
Std Dev 0
2
1
0
−1
−2
−3


pull1D
Entries 52
Mean −0.04793
Std Dev 1.095
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


asym_usl_cor_correction_rms vs run
χ² / ndf 3507 / 51
p0 871.4 ± 0.8614
950
900
850
800
750
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
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8553. 6
8554. 0
8554. 1
8554. 2
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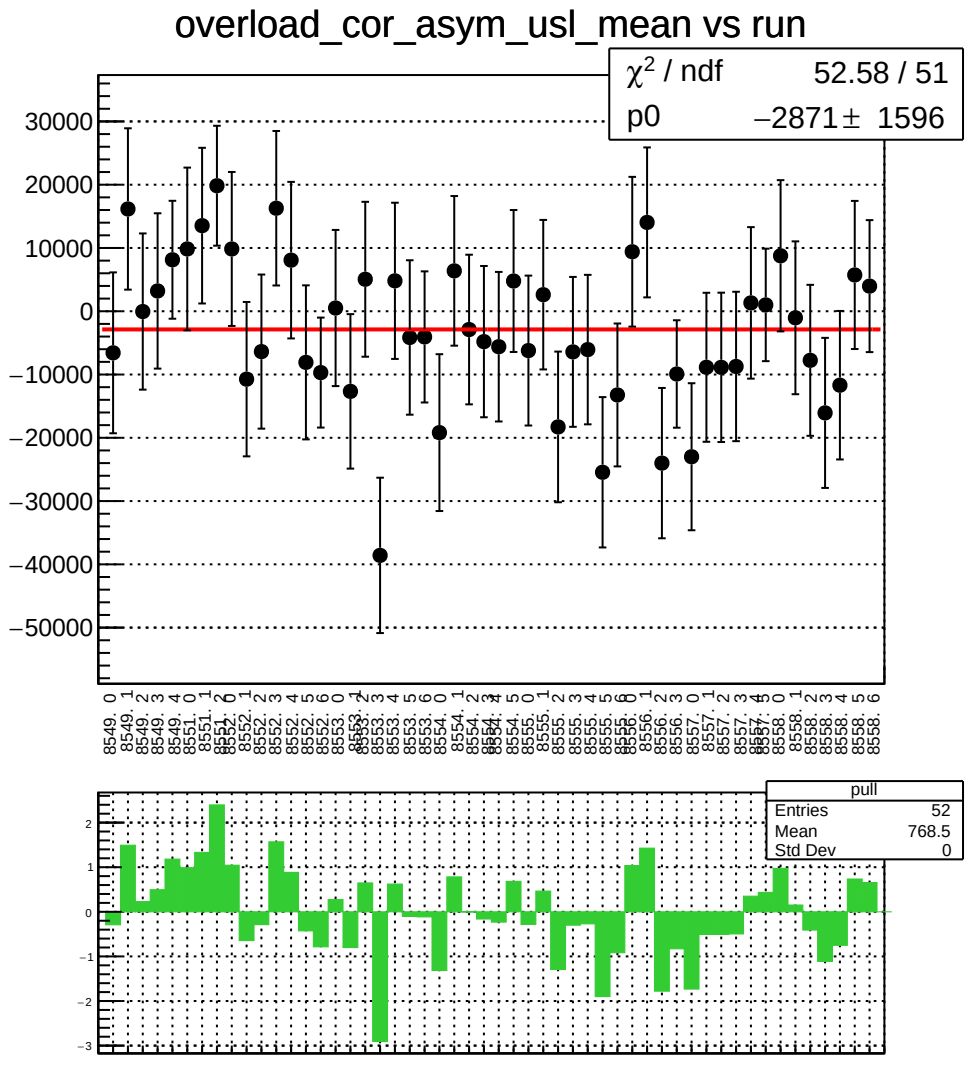
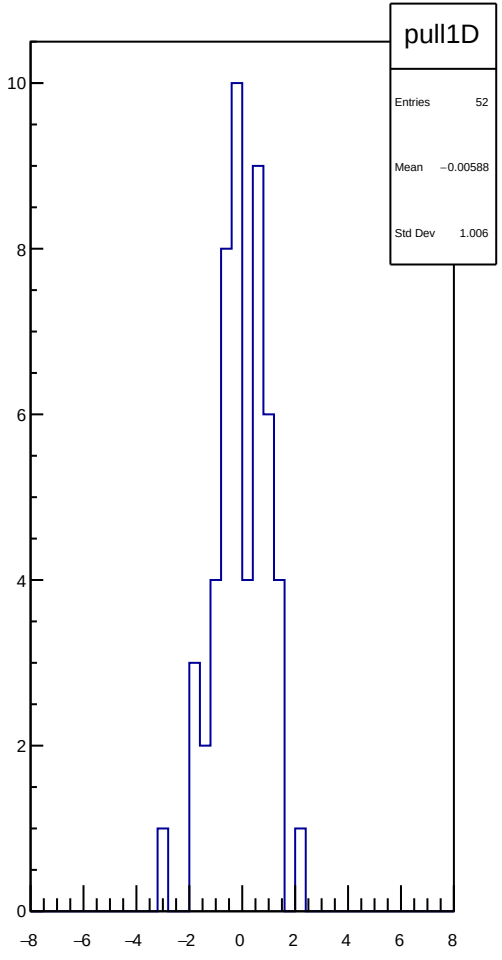
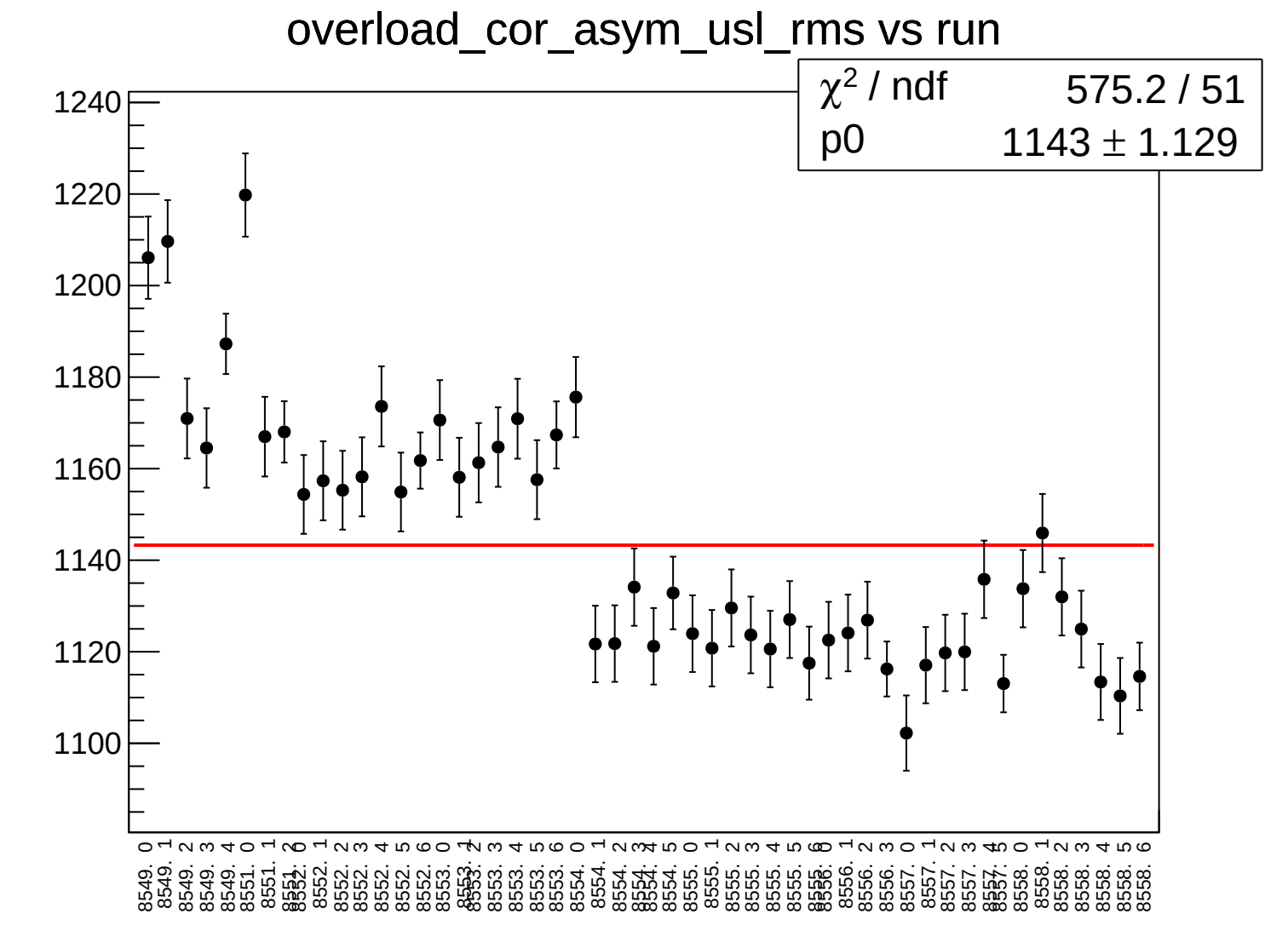
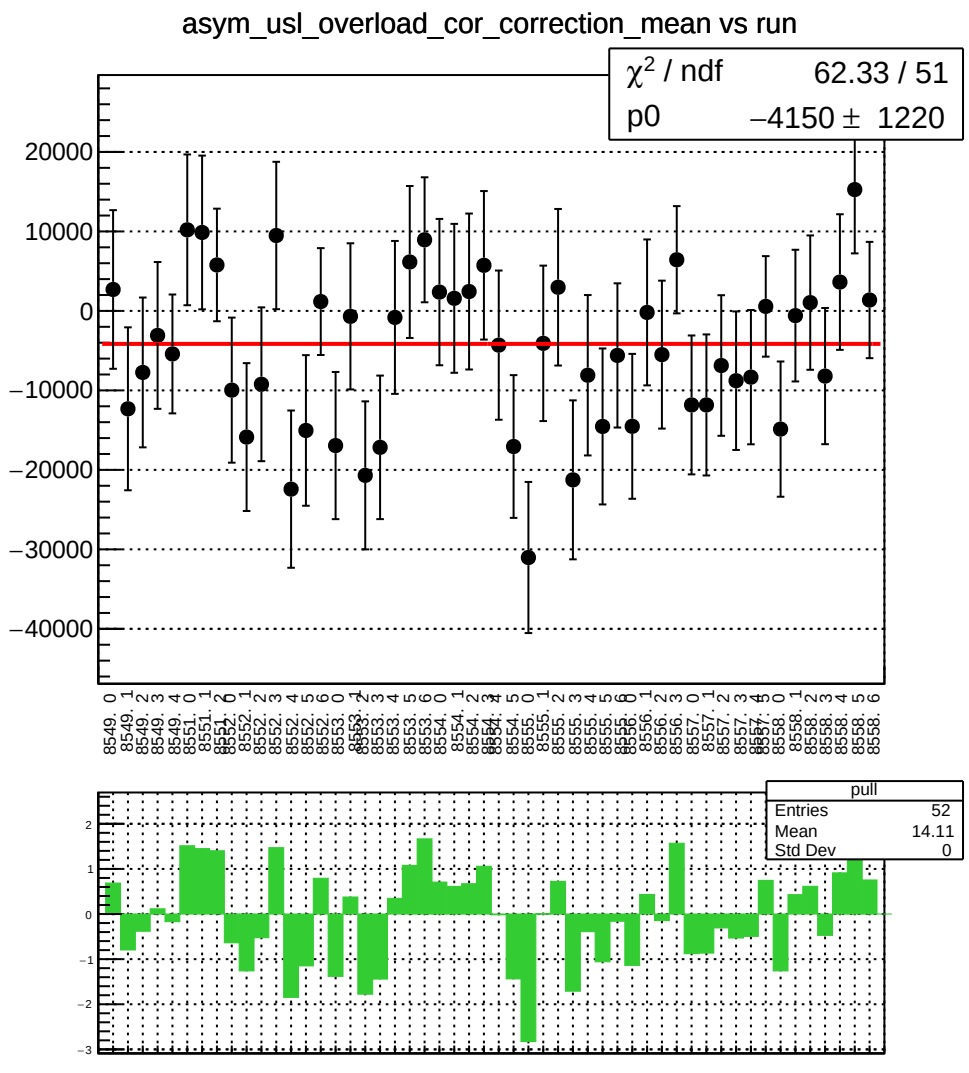
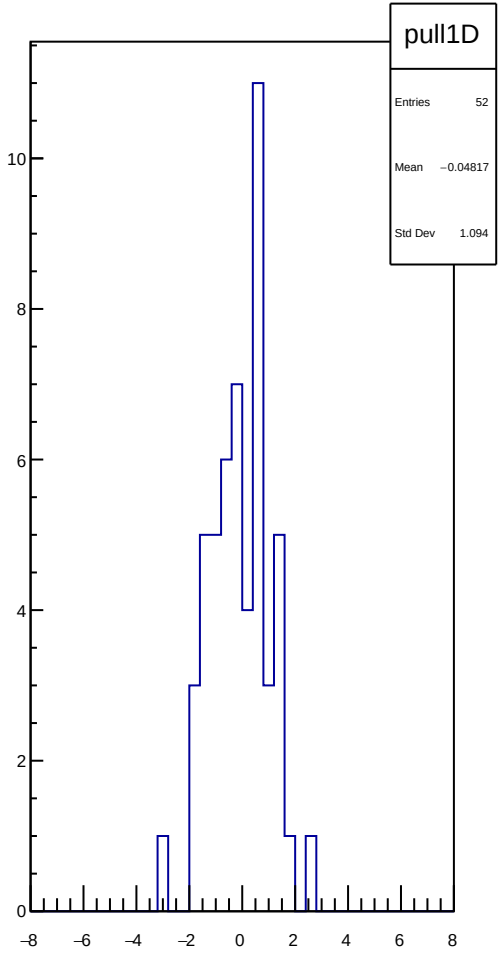
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

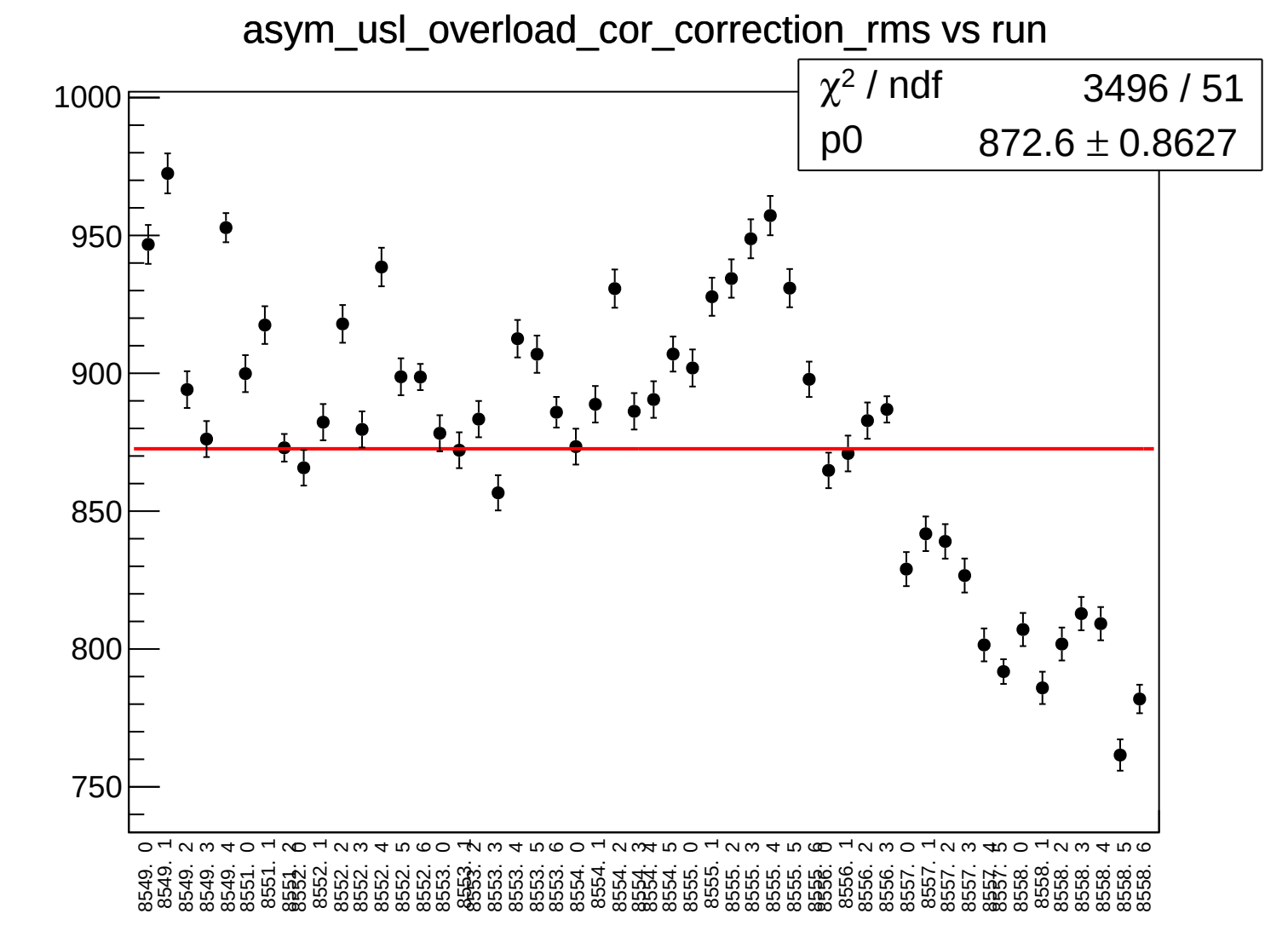

overload_cor_asym_usl_mean vs run
χ² / ndf 52.58 / 51
p0 −2871 ± 1596
pull
Entries 52
Mean 768.5
Std Dev 0


pull1D
Entries 52
Mean −0.00588
Std Dev 1.006


overload_cor_asym_usl_rms vs run
χ² / ndf 575.2 / 51
p0 1143 ± 1.129
1240
1220
1200
1180
1160
1140
1120
1100
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 5
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6


asym_usl_overload_cor_correction_mean vs run
χ² / ndf 62.33 / 51
p0 −4150 ± 1220
20000
10000
0
−10000
−20000
−30000
−40000
pull
Entries 52
Mean 14.11
Std Dev 0
2
1
0
−1
−2
−3


pull1D
Entries 52
Mean −0.04817
Std Dev 1.094
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


asym_usl_overload_cor_correction_rms vs run
χ² / ndf 3496 / 51
p0 872.6 ± 0.8627
1000
950
900
850
800
750
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
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8553. 5
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8557. 0
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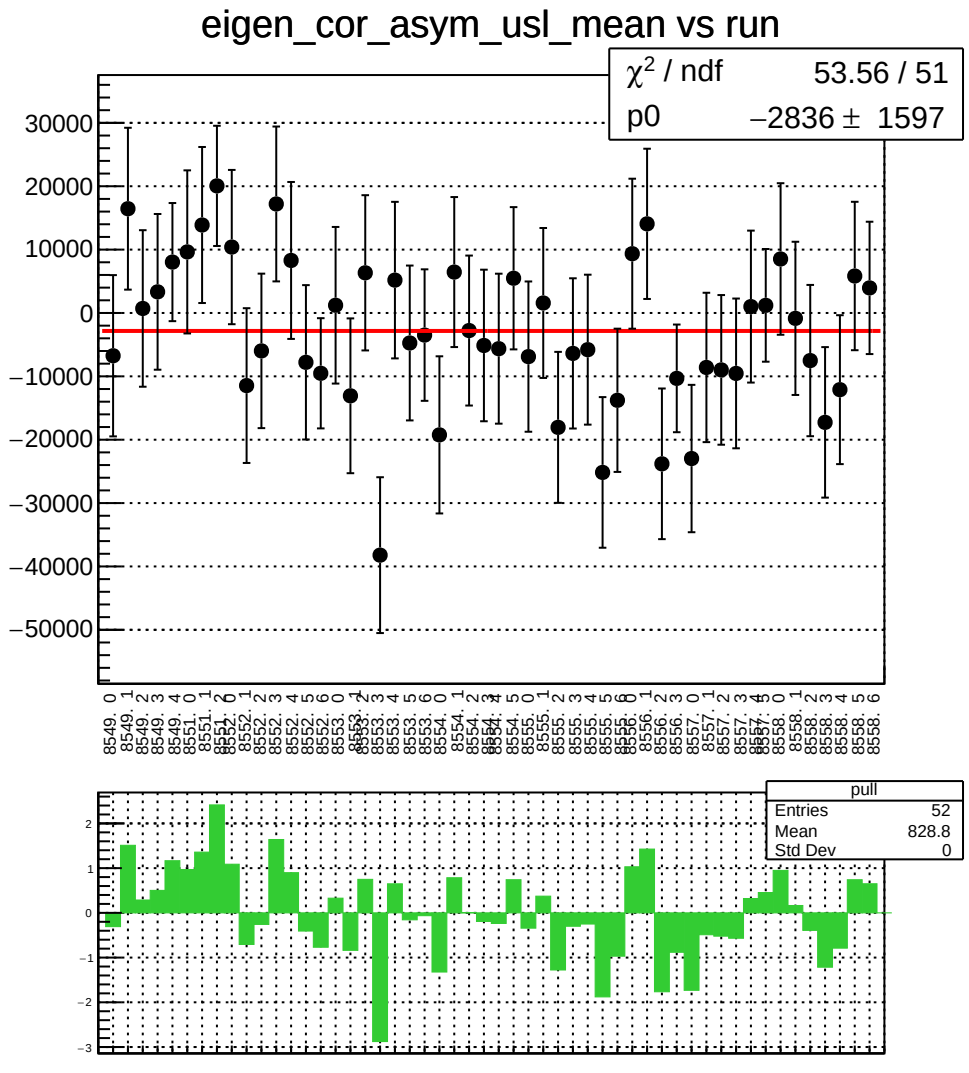
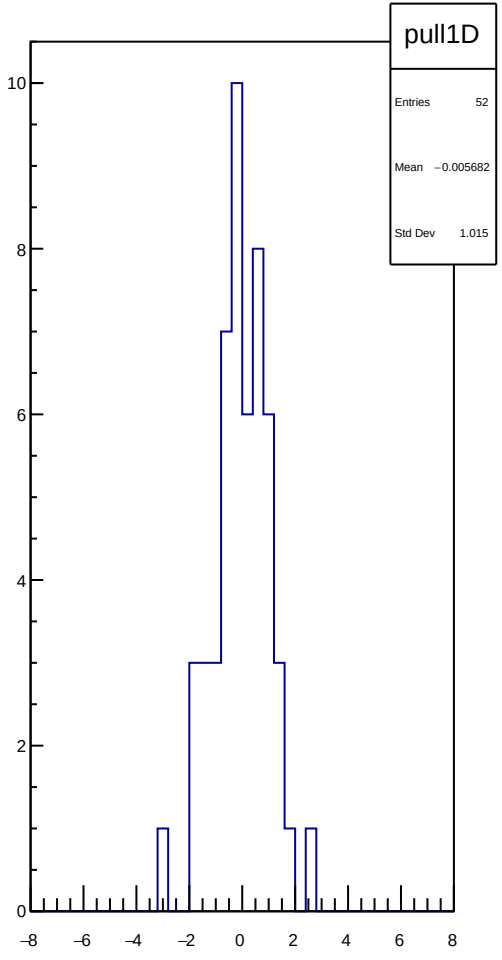
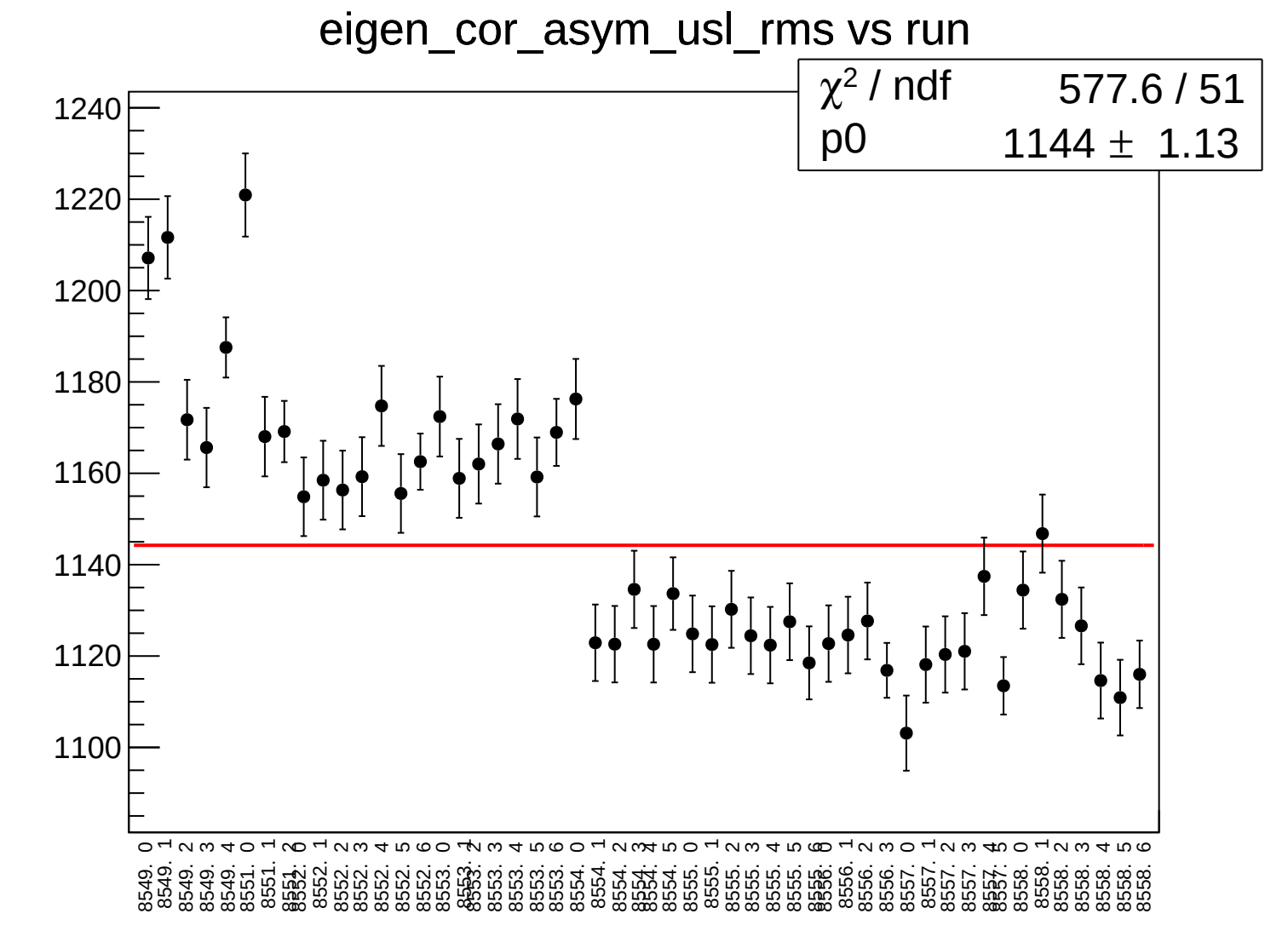
8558. 6


eigen_cor_asym_usl_mean vs run
χ² / ndf 53.56 / 51
p0 −2836 ± 1597
pull
Entries 52
Mean 828.8
Std Dev 0


pull1D
Entries 52
Mean −0.005682
Std Dev 1.015


eigen_cor_asym_usl_rms vs run
χ² / ndf 577.6 / 51
p0 1144 ± 1.13
1240
1220
1200
1180
1160
1140
1120
1100
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
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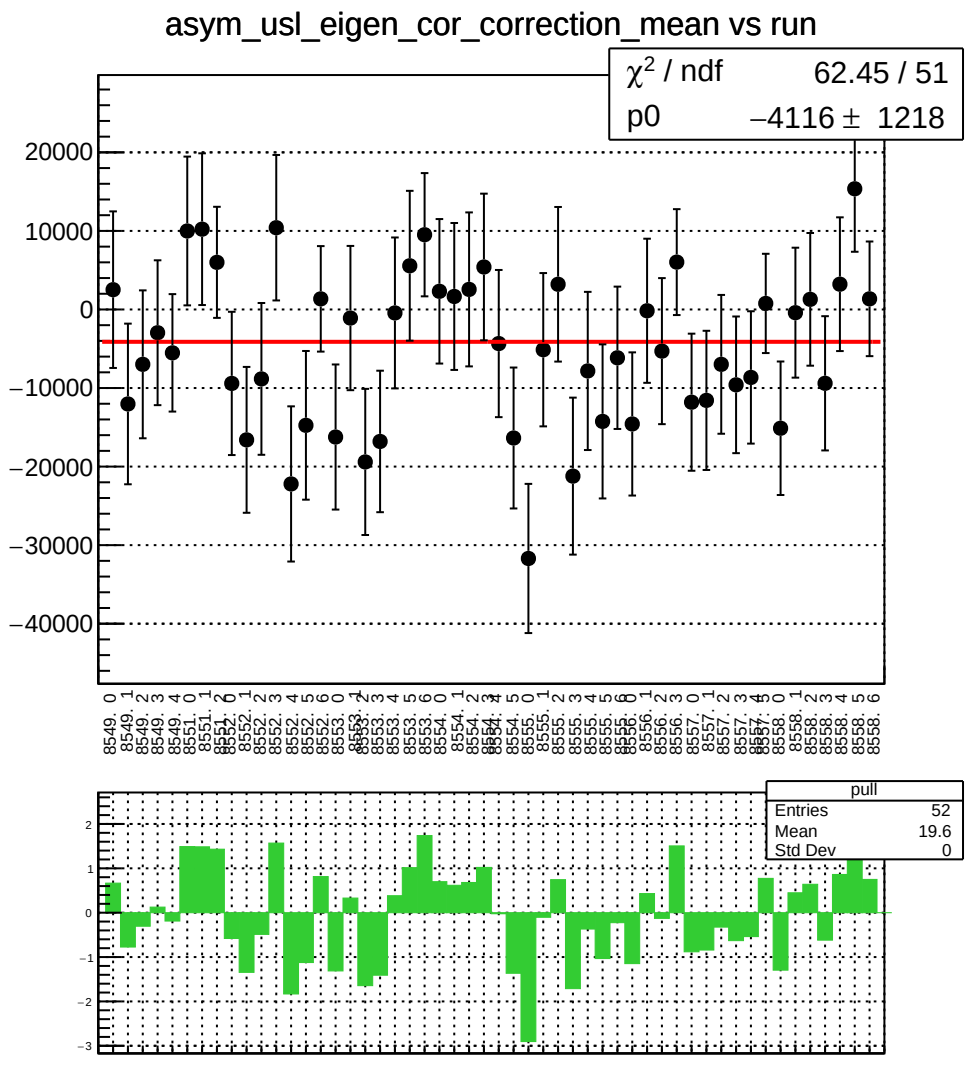
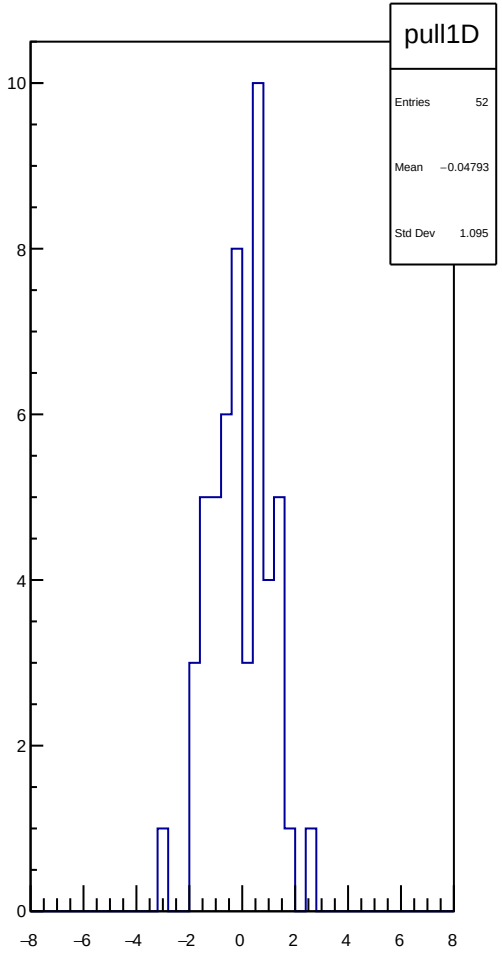
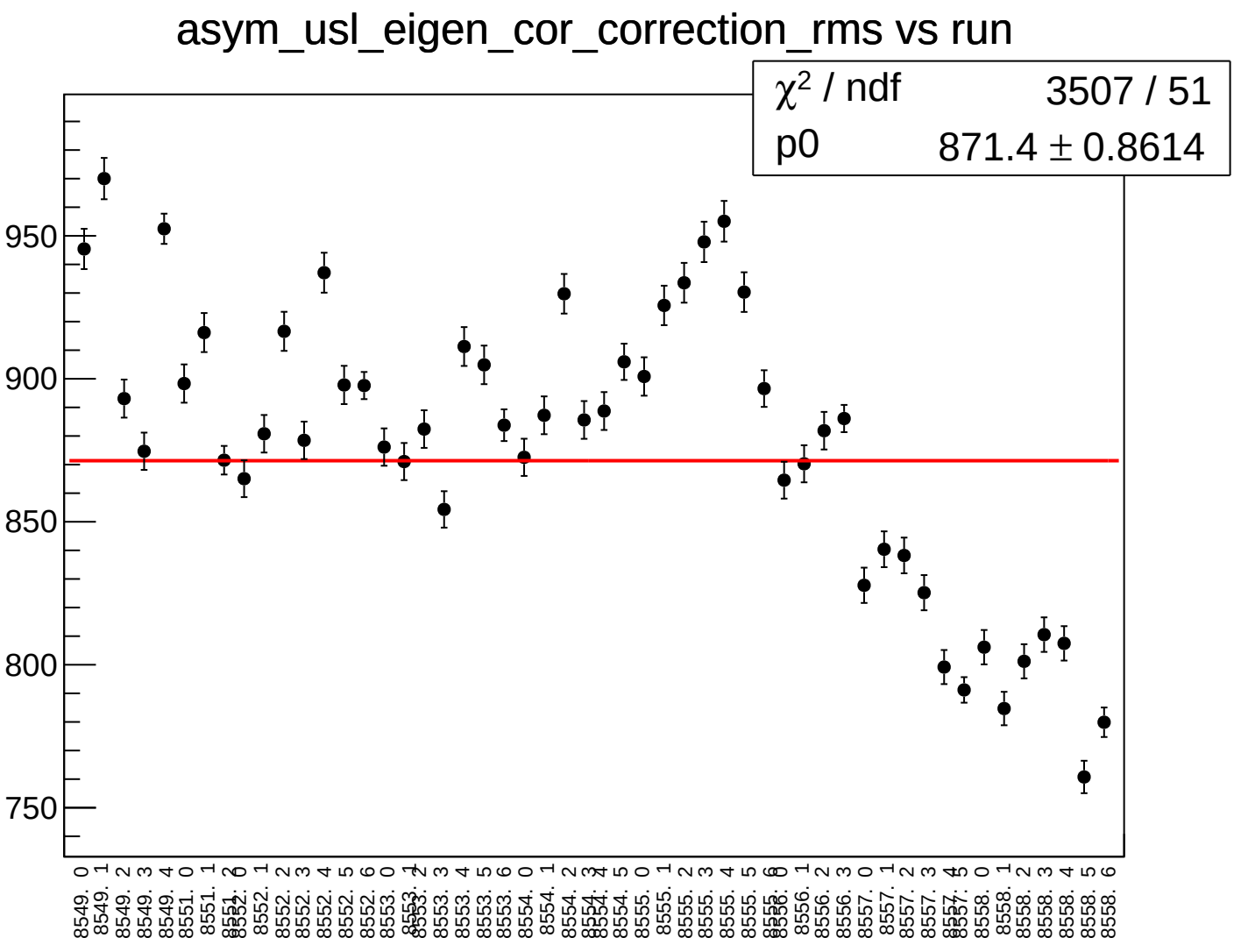

asym_usl_eigen_cor_correction_mean vs run
χ² / ndf 62.45 / 51
p0 −4116 ± 1218
pull
Entries 52
Mean 19.6
Std Dev 0


pull1D
Entries 52
Mean −0.04793
Std Dev 1.095


asym_usl_eigen_cor_correction_rms vs run
χ² / ndf 3507 / 51
p0 871.4 ± 0.8614
950
900
850
800
750
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
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8552. 6
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8557. 0
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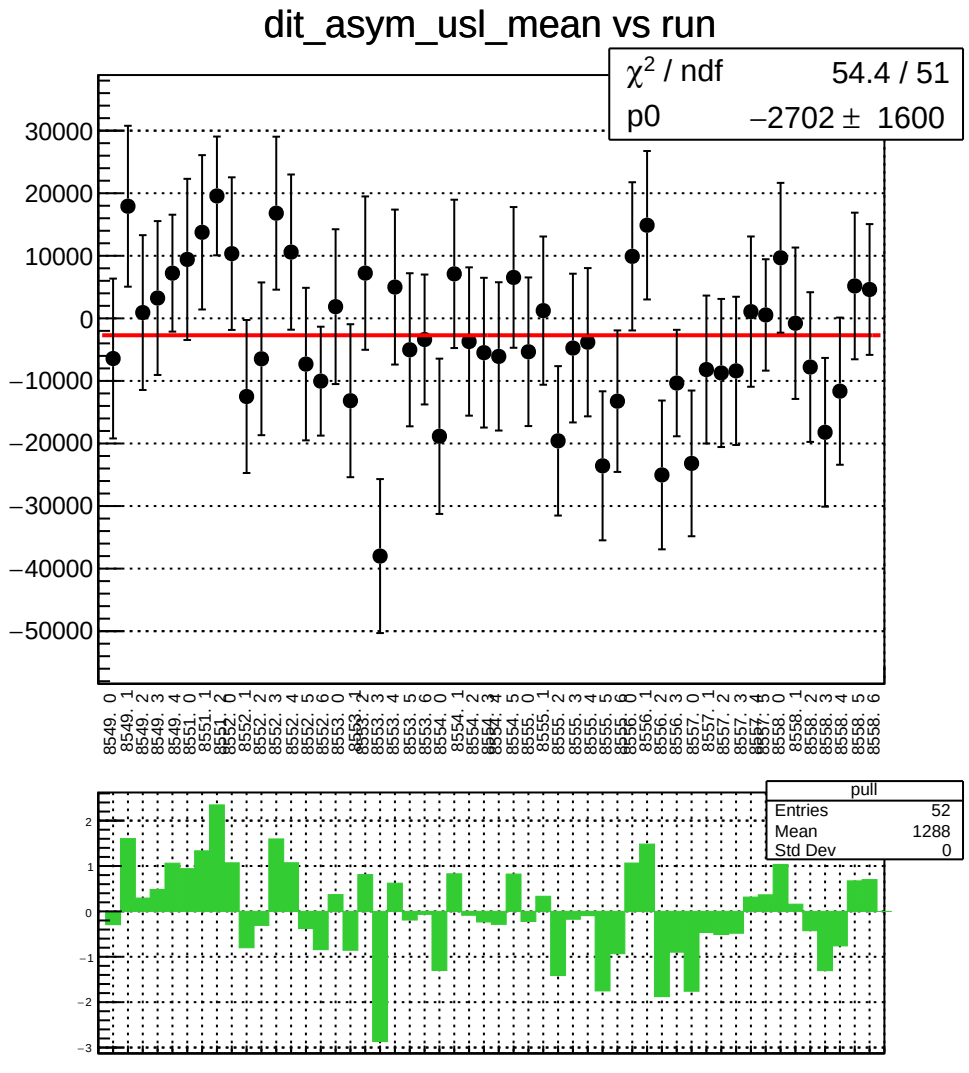
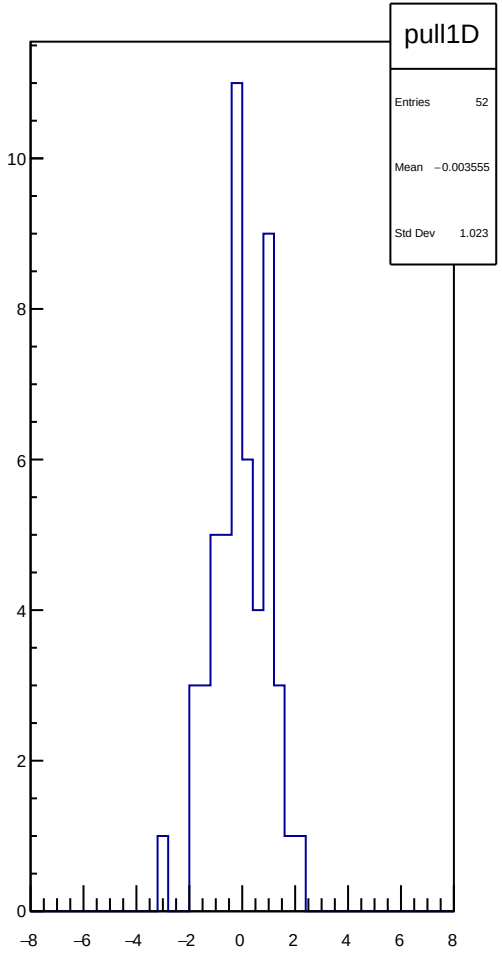
8558. 6


dit_asym_usl_mean vs run
χ² / ndf 54.4 / 51
p0 −2702 ± 1600
30000
20000
10000
0
−10000
−20000
−30000
−40000
−50000
pull
Entries 52
Mean 1288
Std Dev 0
2
1
0
−1
−2
−3


pull1D
Entries 52
Mean −0.003555
Std Dev 1.023
10
8
6
4
2
0
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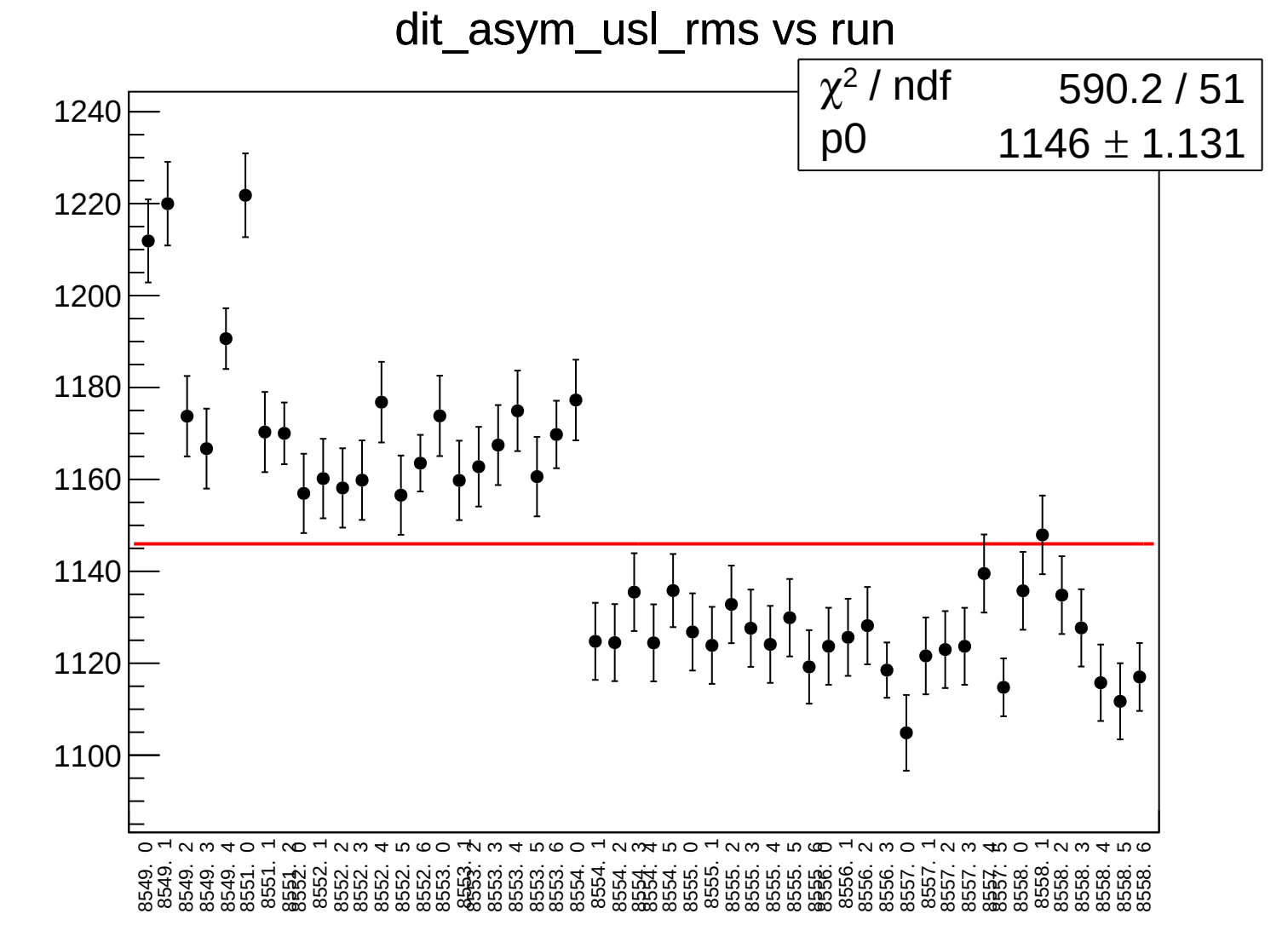
−6
−4
−2
0
2
4
6
8


dit_asym_usl_rms vs run
χ² / ndf 590.2 / 51
p0 1146 ± 1.131
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1220
1200
1180
1160
1140
1120
1100
8549. 0
8549. 1
8549. 2
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8551. 1
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8552. 2
8552. 3
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8558. 2
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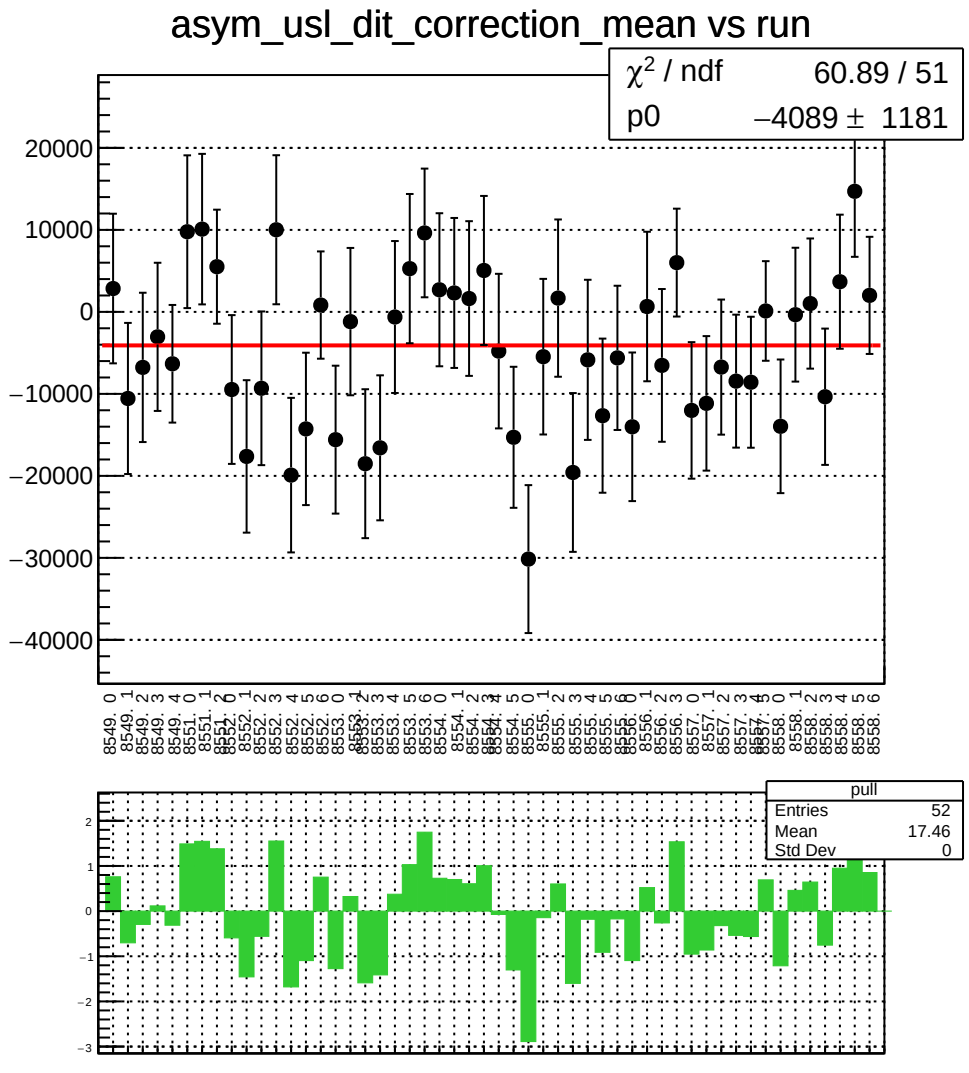
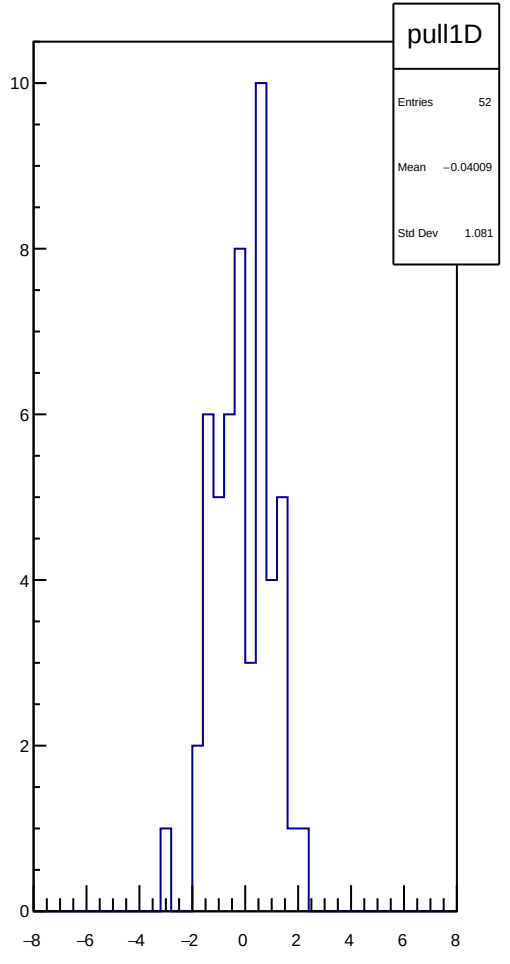
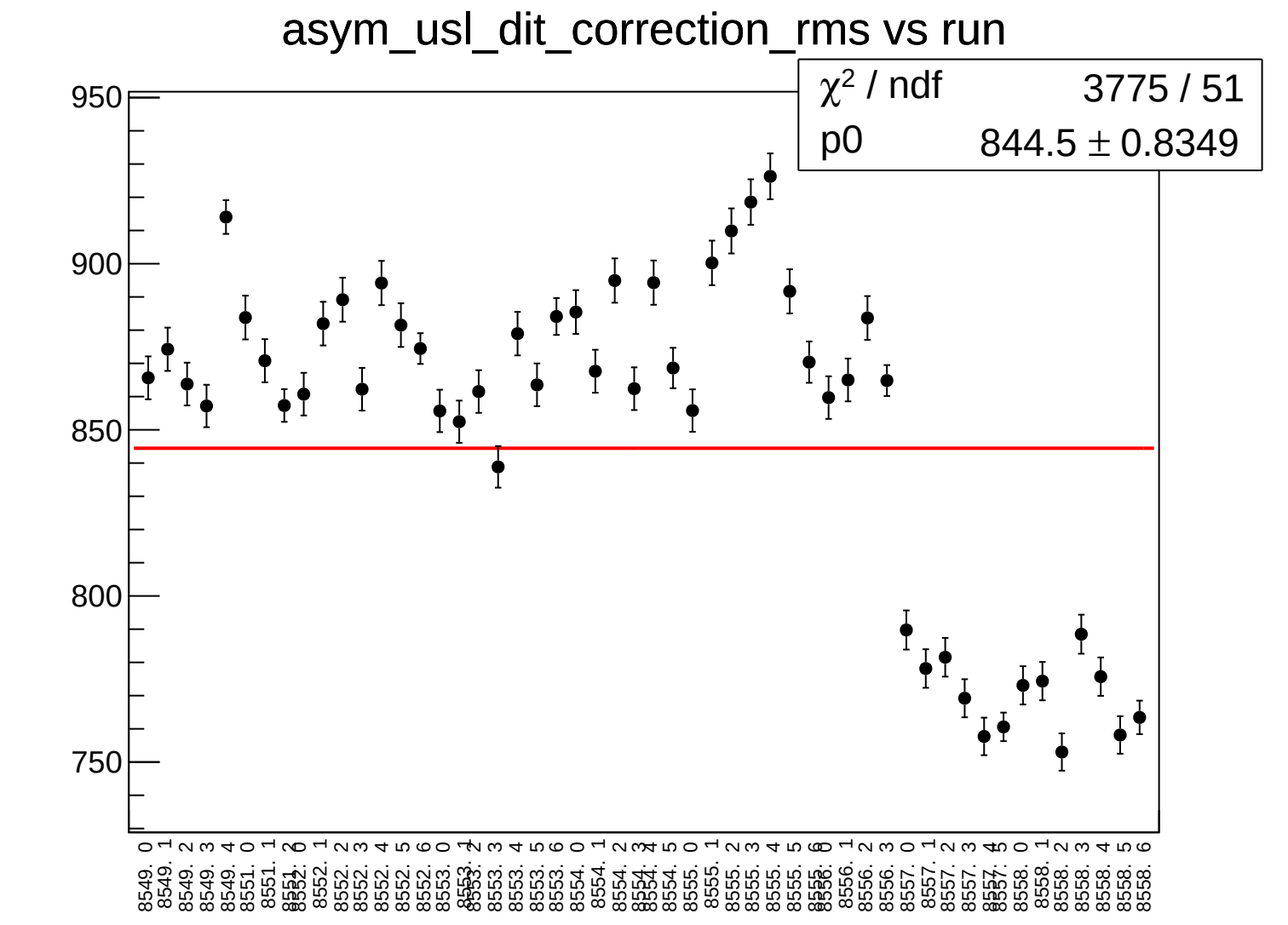
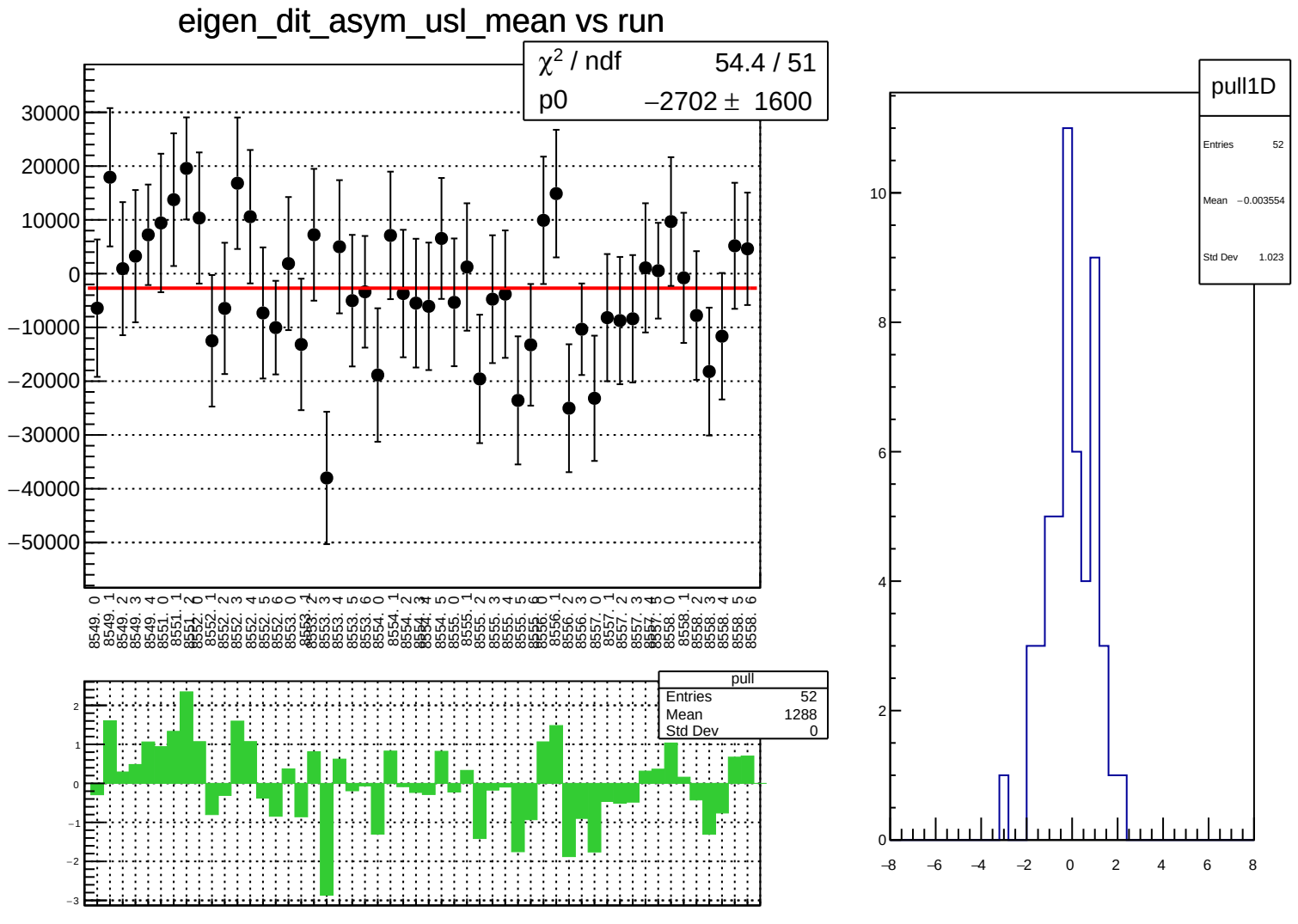
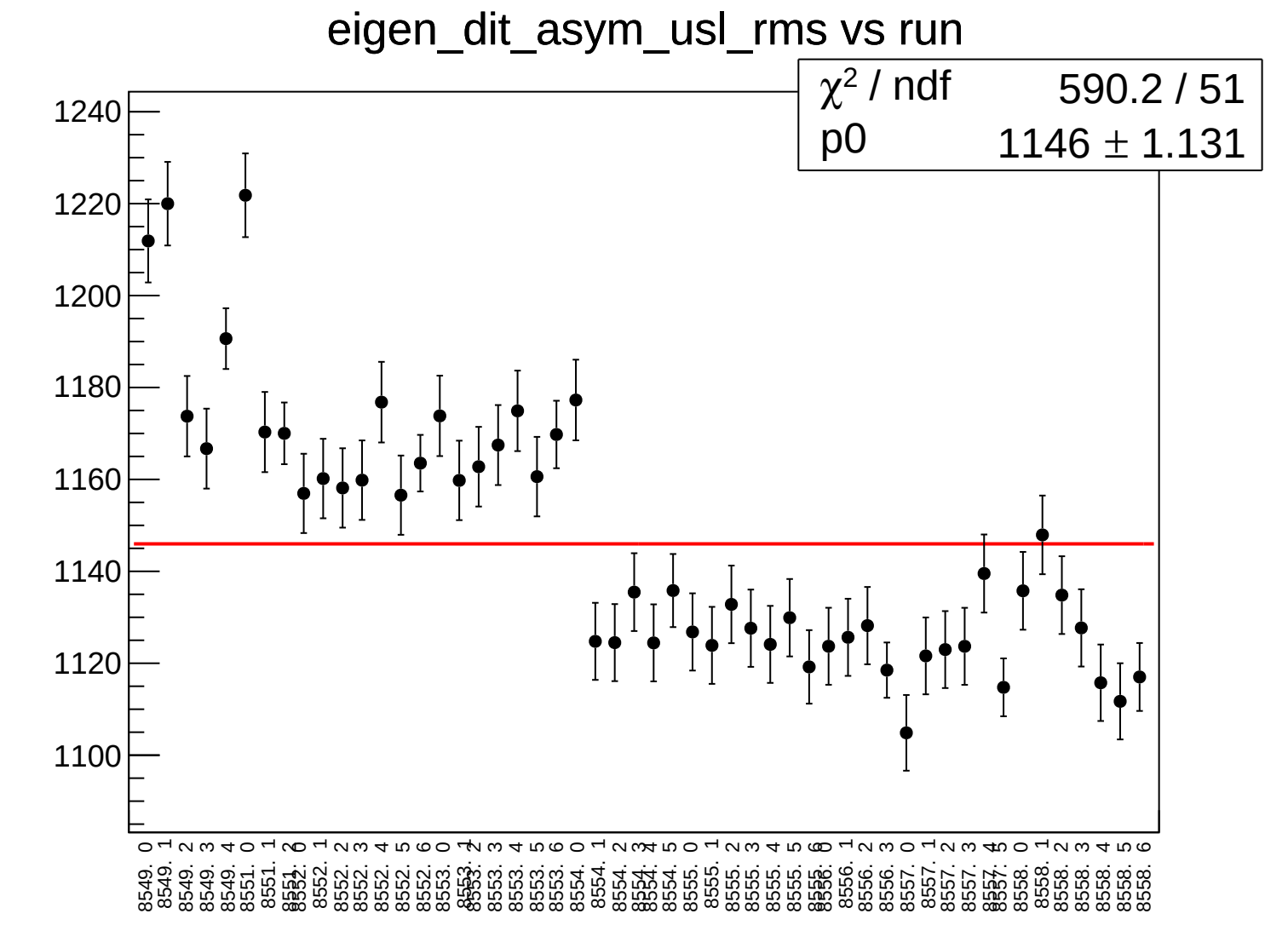
8558. 4
8558. 5
8558. 6

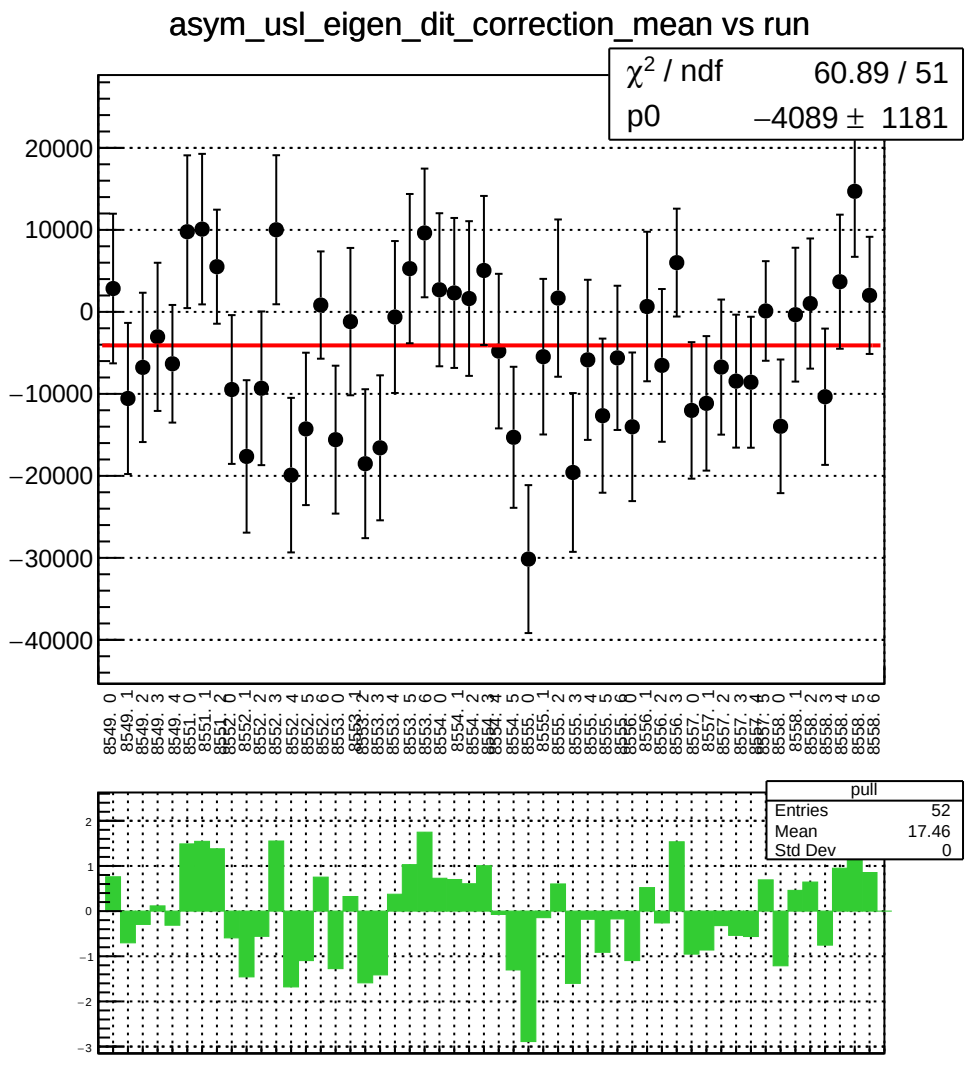

asym_usl_dit_correction_mean vs run
χ² / ndf 60.89 / 51
p0 −4089 ± 1181
pull
Entries 52
Mean 17.46
Std Dev 0

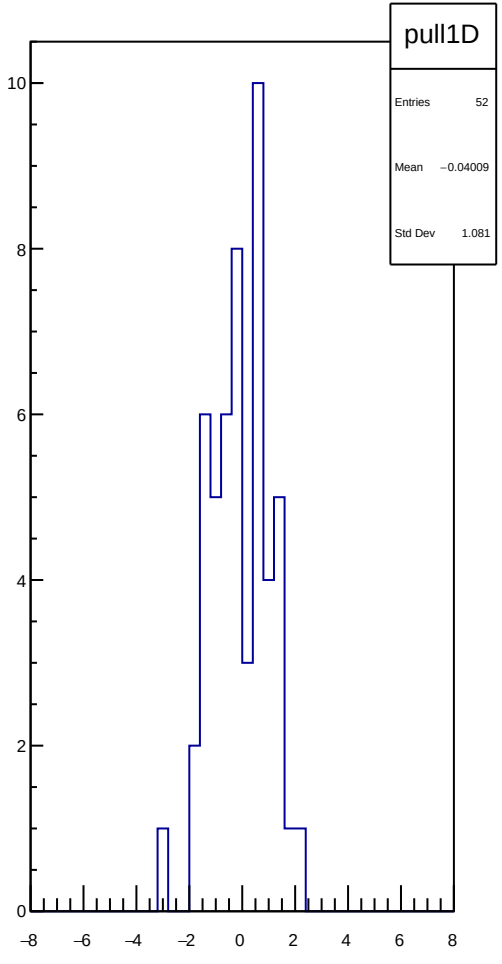

pull1D
Entries 52
Mean −0.04009
Std Dev 1.081

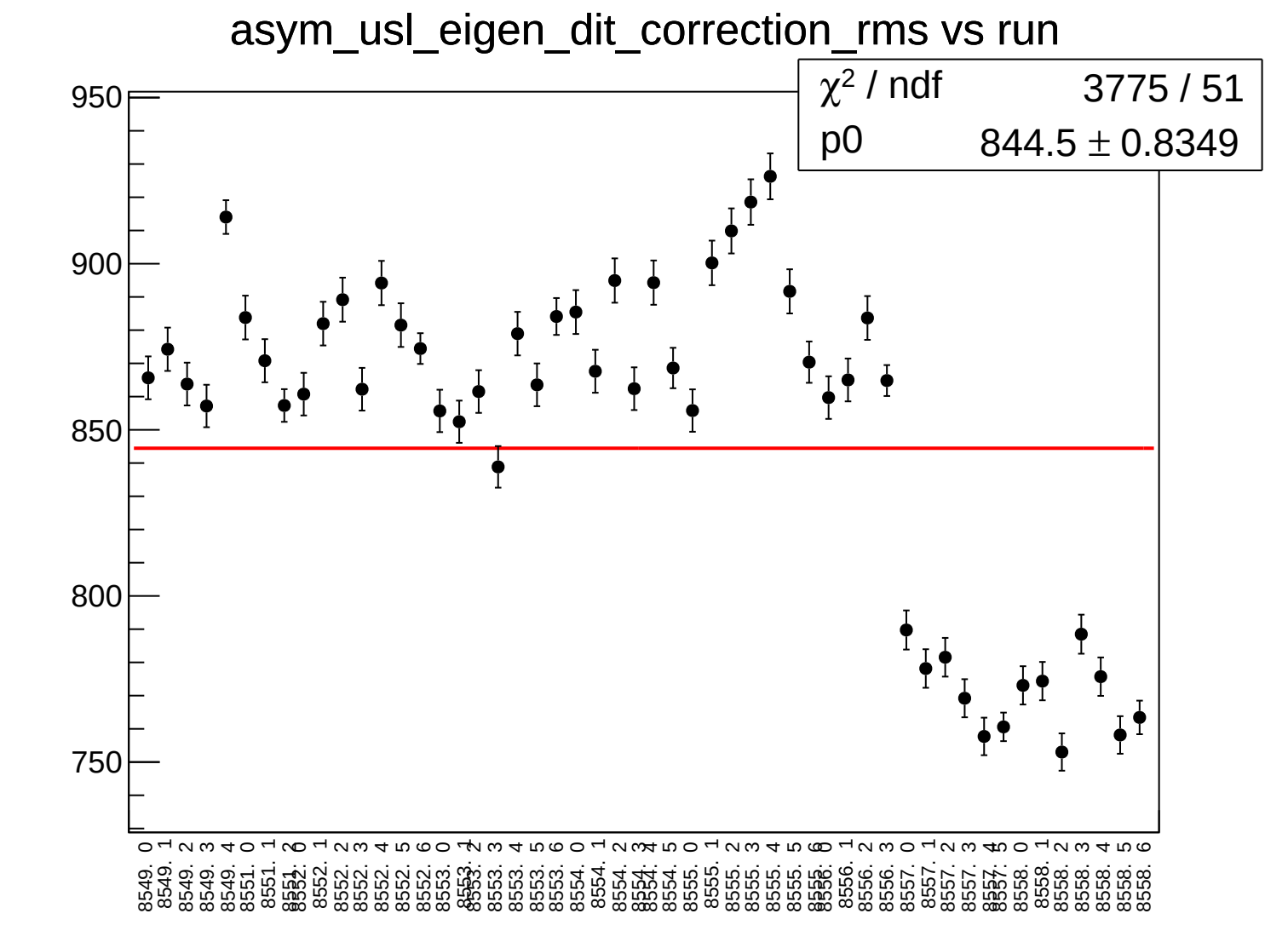

asym_usl_dit_correction_rms vs run
χ² / ndf 3775 / 51
p0 844.5 ± 0.8349
950
900
850
800
750
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6


eigen_dit_asym_usl_mean vs run
χ² / ndf 54.4 / 51
p0 −2702 ± 1600
pull
Entries 52
Mean 1288
Std Dev 0
pull1D
Entries 52
Mean −0.003554
Std Dev 1.023


eigen_dit_asym_usl_rms vs run
χ² / ndf 590.2 / 51
p0 1146 ± 1.131
1240
1220
1200
1180
1160
1140
1120
1100
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 5
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6


asym_usl_eigen_dit_correction_mean vs run
χ² / ndf 60.89 / 51
p0 −4089 ± 1181
pull
Entries 52
Mean 17.46
Std Dev 0


pull1D
Entries 52
Mean −0.04009
Std Dev 1.081


asym_usl_eigen_dit_correction_rms vs run
χ² / ndf 3775 / 51
p0 844.5 ± 0.8349
950
900
850
800
750
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
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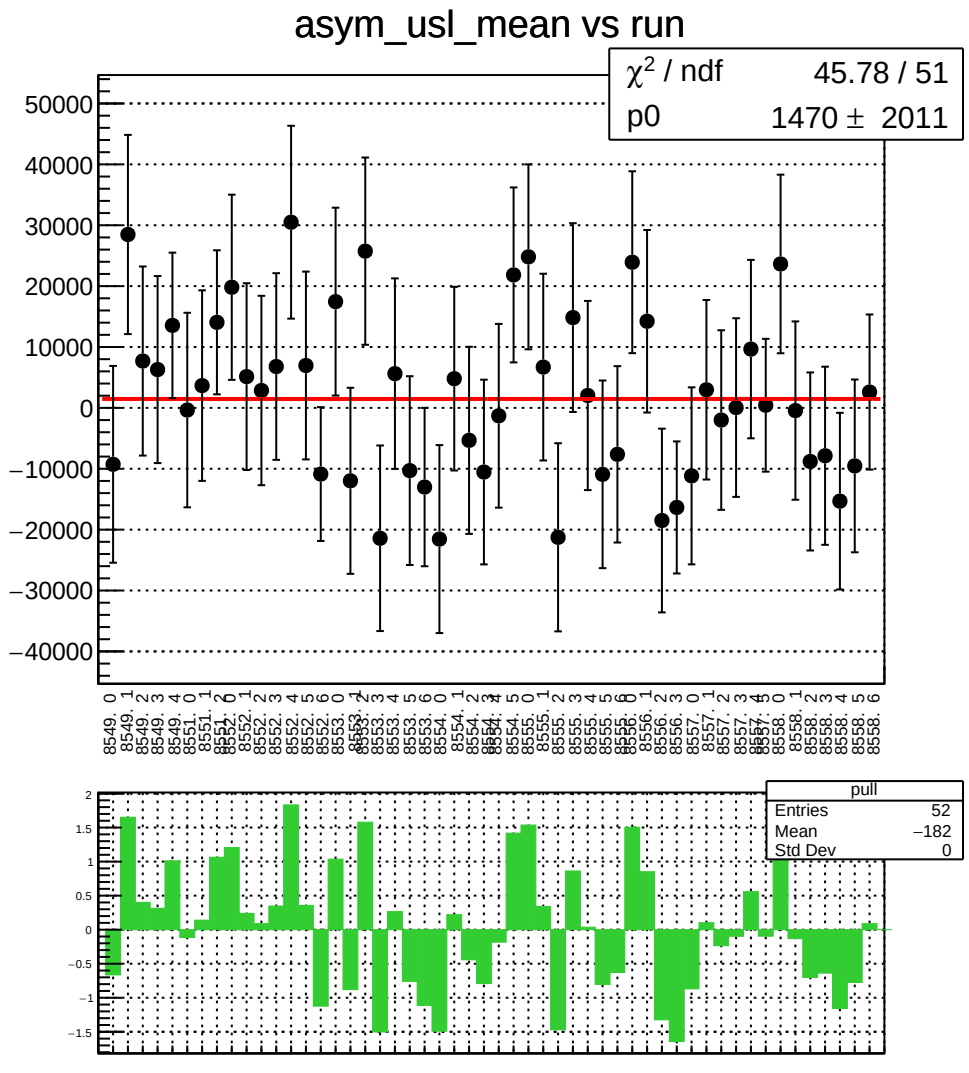
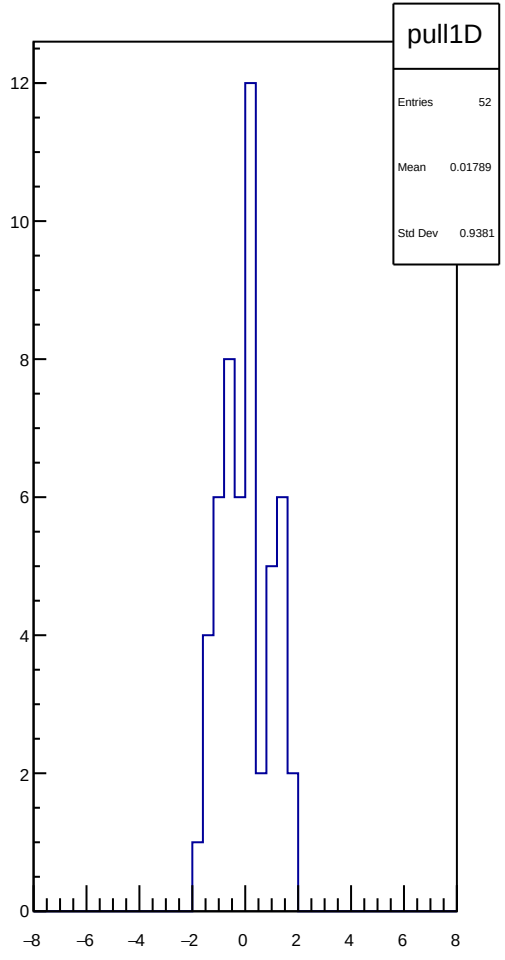
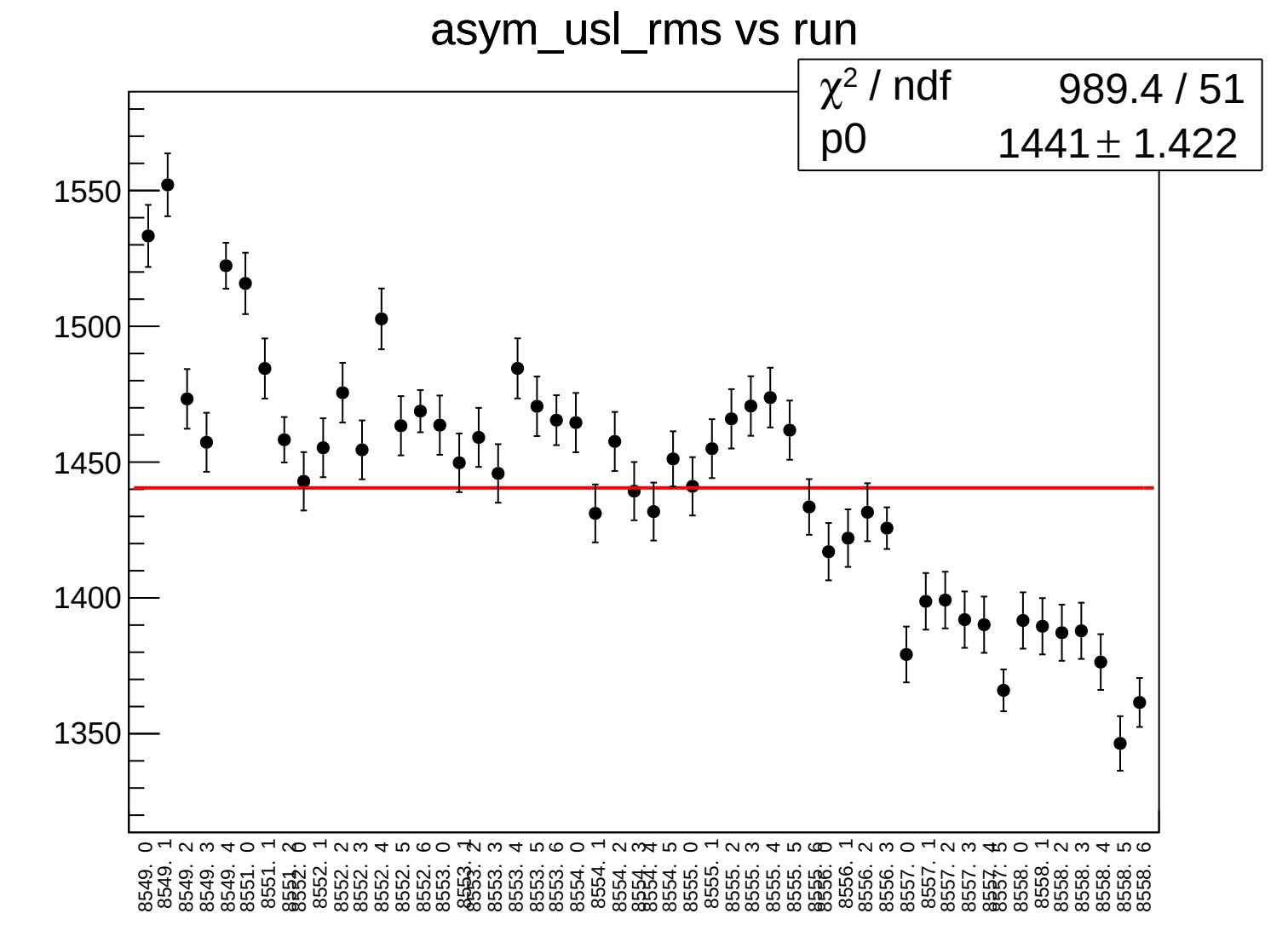
8558. 5
8558. 6


asym_usl_mean vs run
χ² / ndf 45.78 / 51
p0 1470 ± 2011
pull
Entries 52
Mean −182
Std Dev 0


pull1D
Entries 52
Mean 0.01789
Std Dev 0.9381


asym_usl_rms vs run
χ² / ndf 989.4 / 51
p0 1441 ± 1.422
1550
1500
1450
1400
1350
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 5
8555. 0
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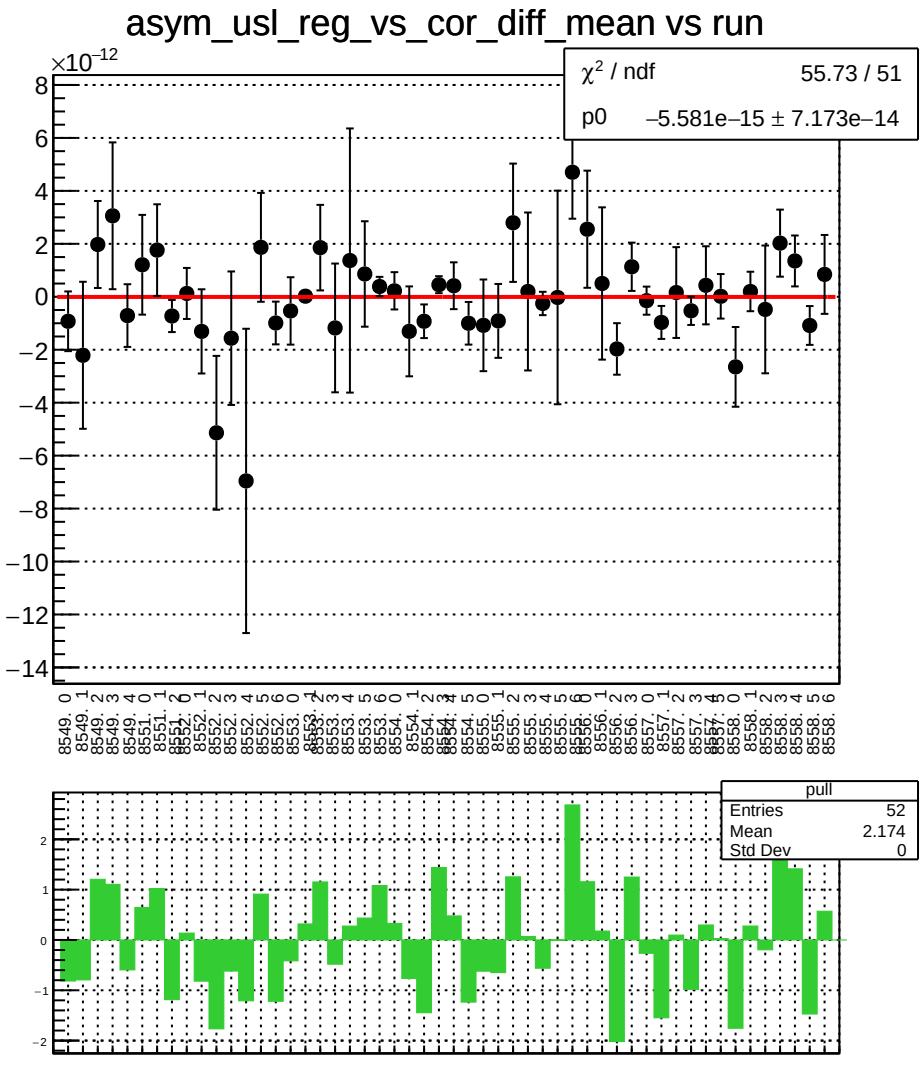
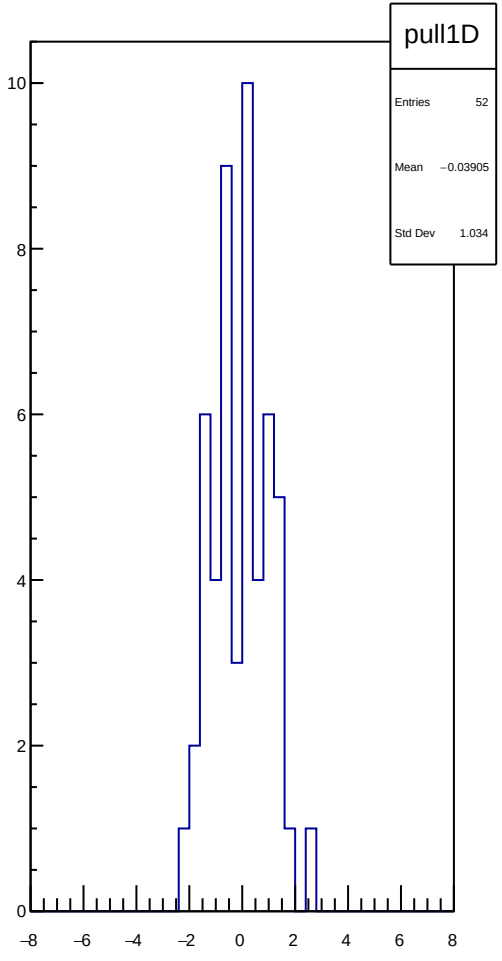
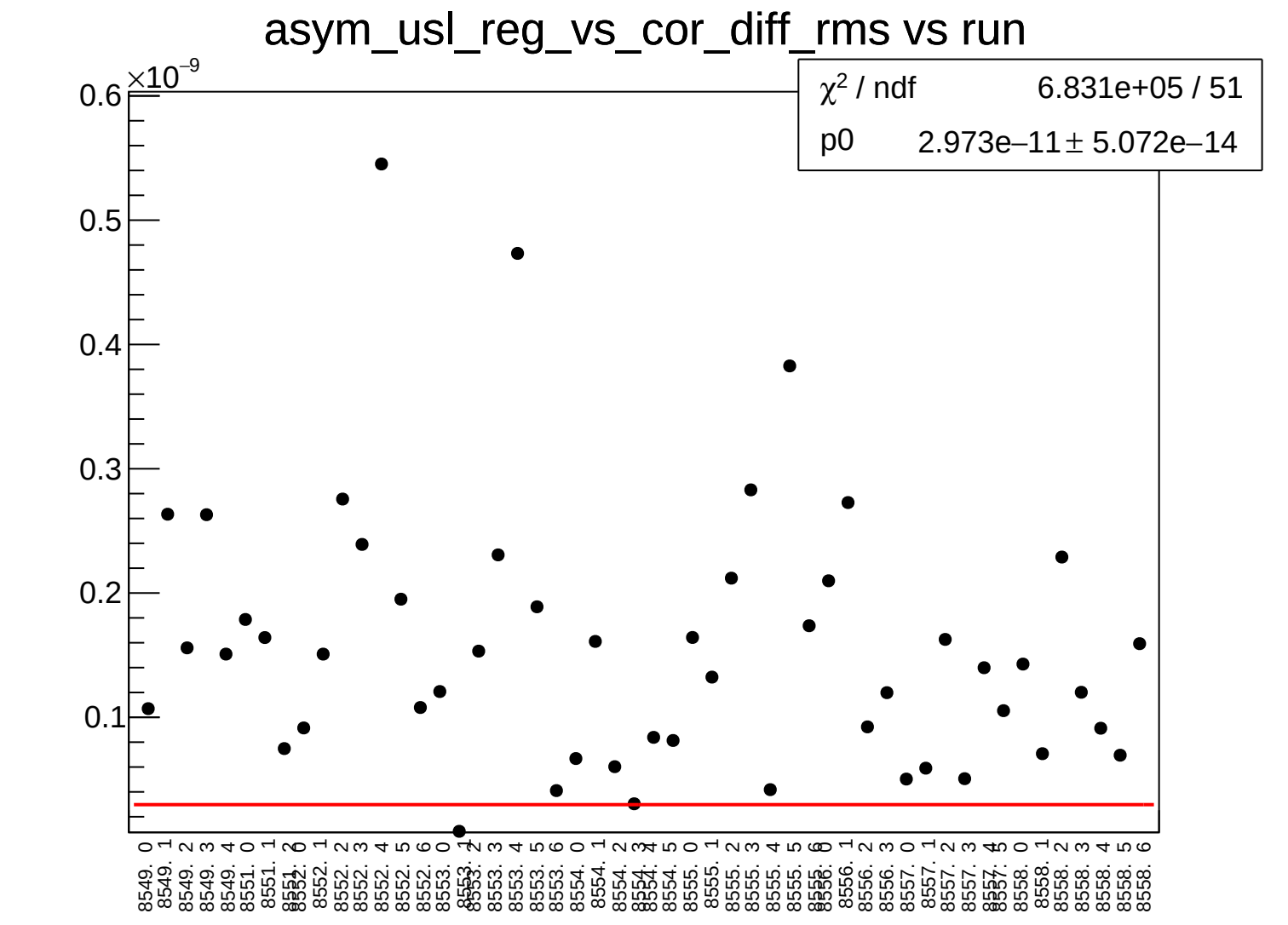
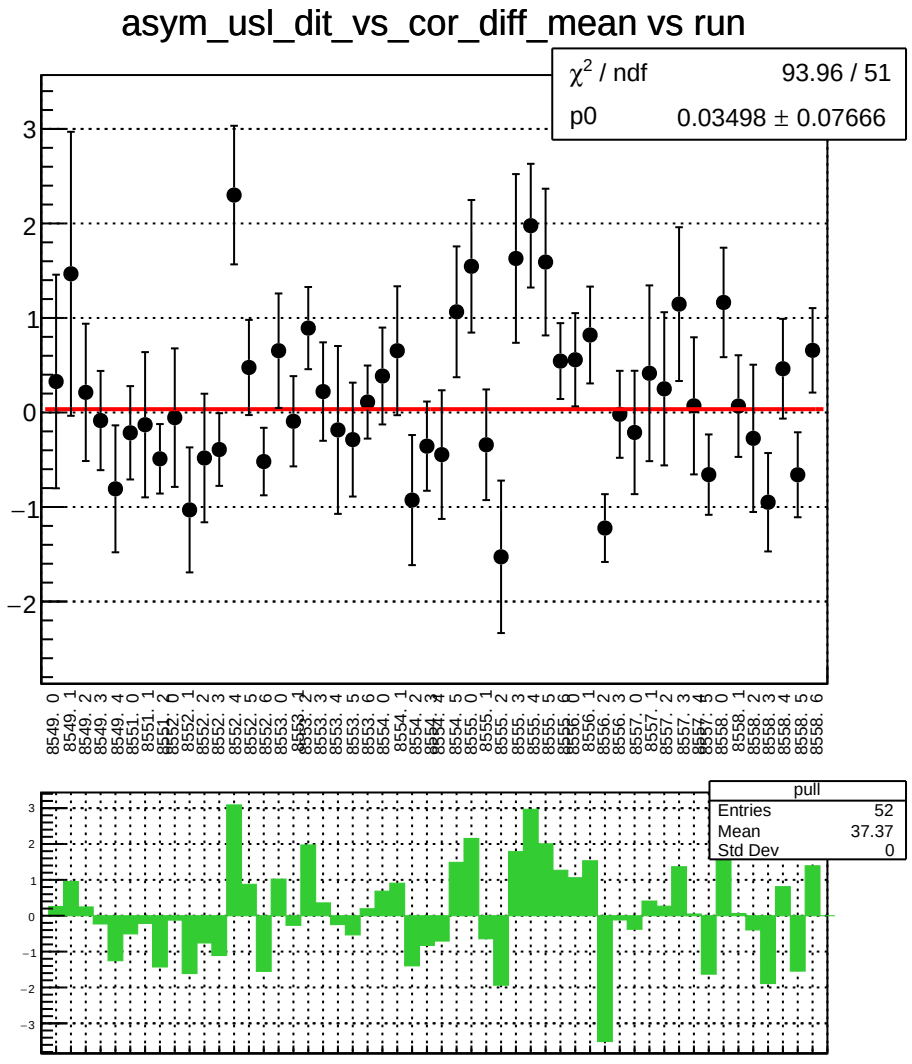
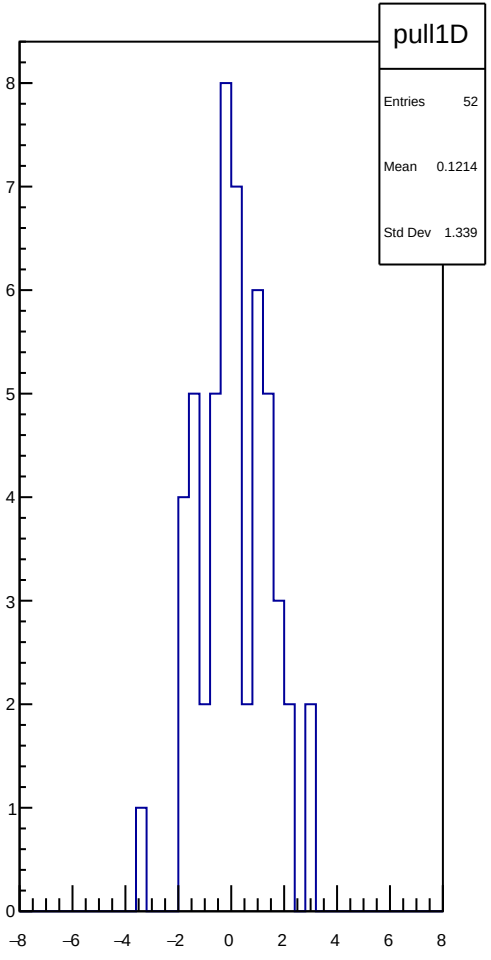
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

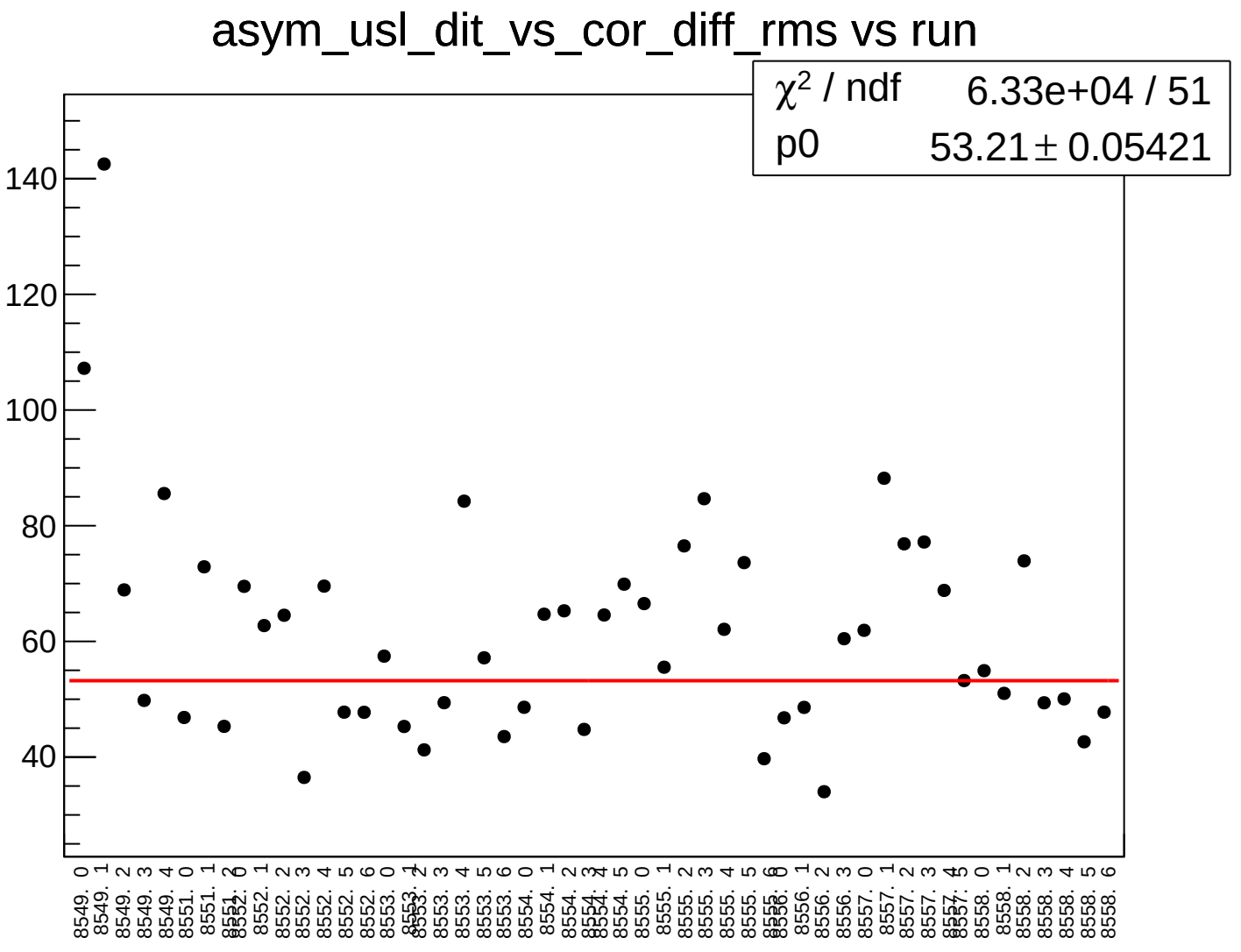

asym_usl_reg_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 55.73 / 51
p0 −5.581e−15 ± 7.173e−14
pull
Entries 52
Mean 2.174
Std Dev 0

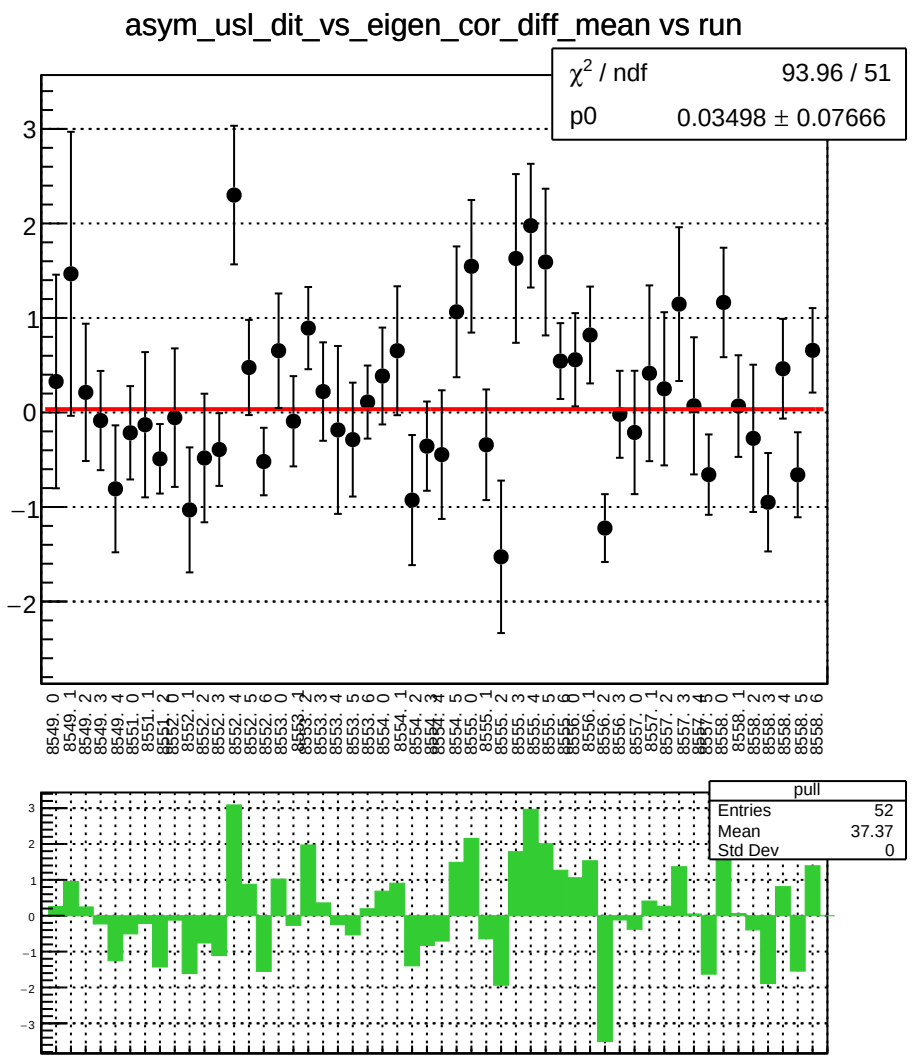

pull1D
Entries 52
Mean −0.03905
Std Dev 1.034

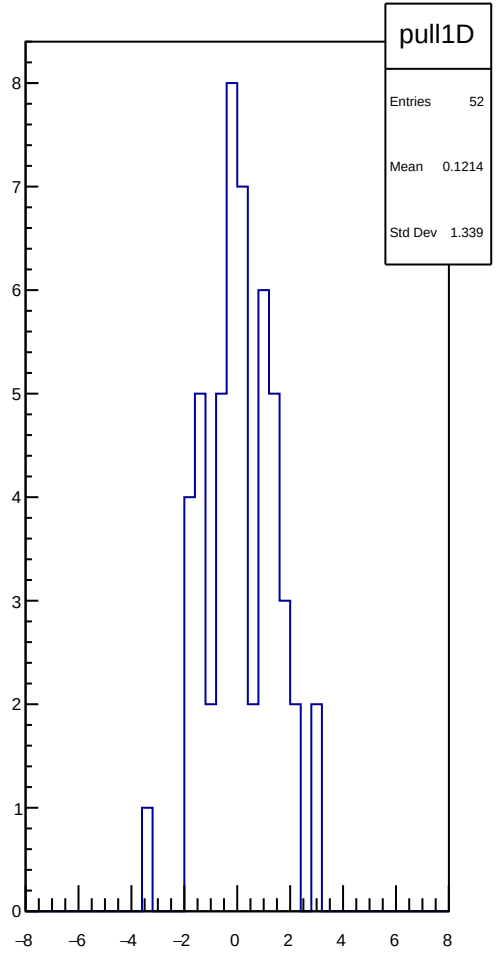

asym_usl_reg_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 6.831e+05 / 51
p0 2.973e−11 ± 5.072e−14
0.6
0.5
0.4
0.3
0.2
0.1
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 5
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

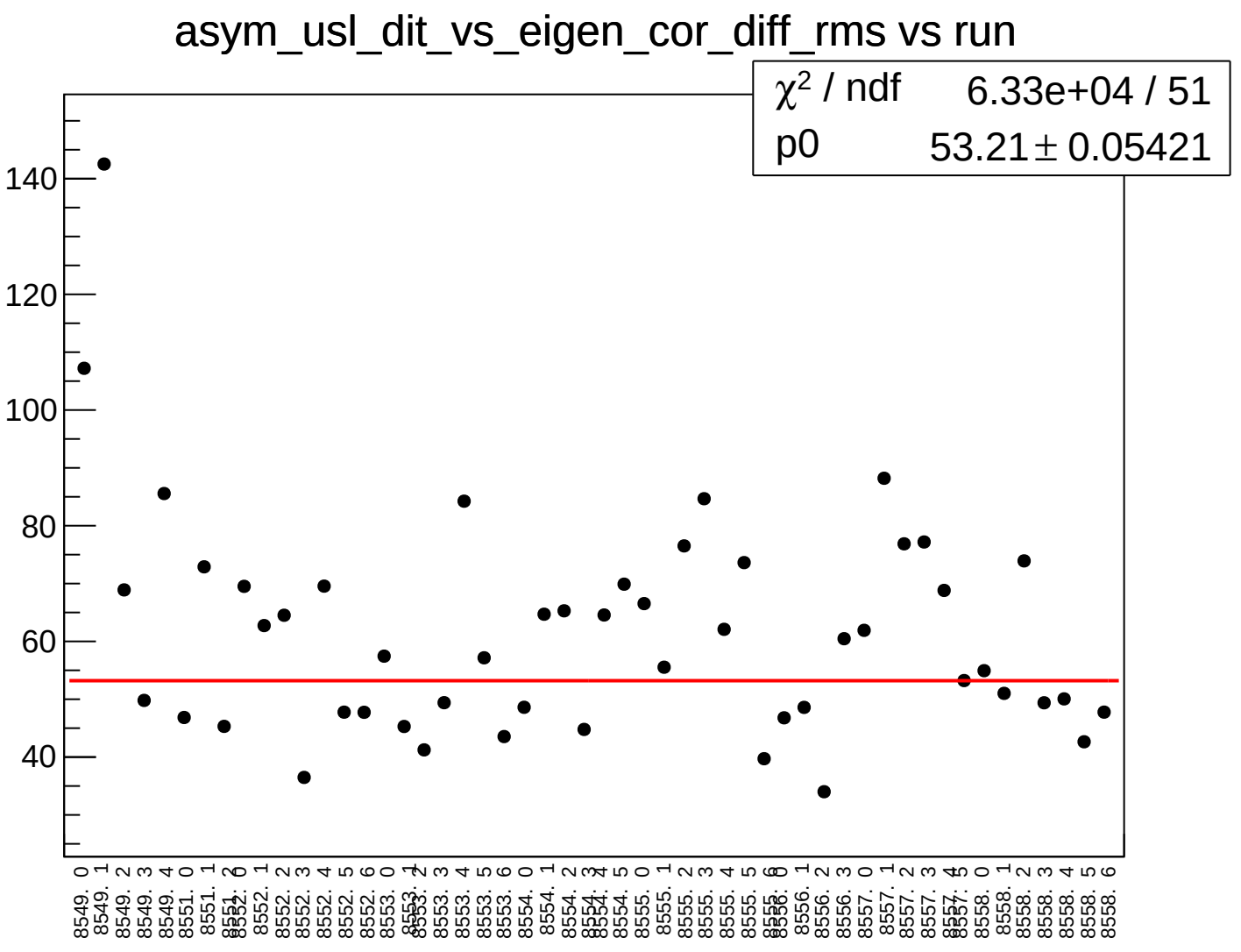

asym_usl_dit_vs_cor_diff_mean vs run
χ² / ndf 93.96 / 51
p0 0.03498 ± 0.07666
pull
Entries 52
Mean 37.37
Std Dev 0

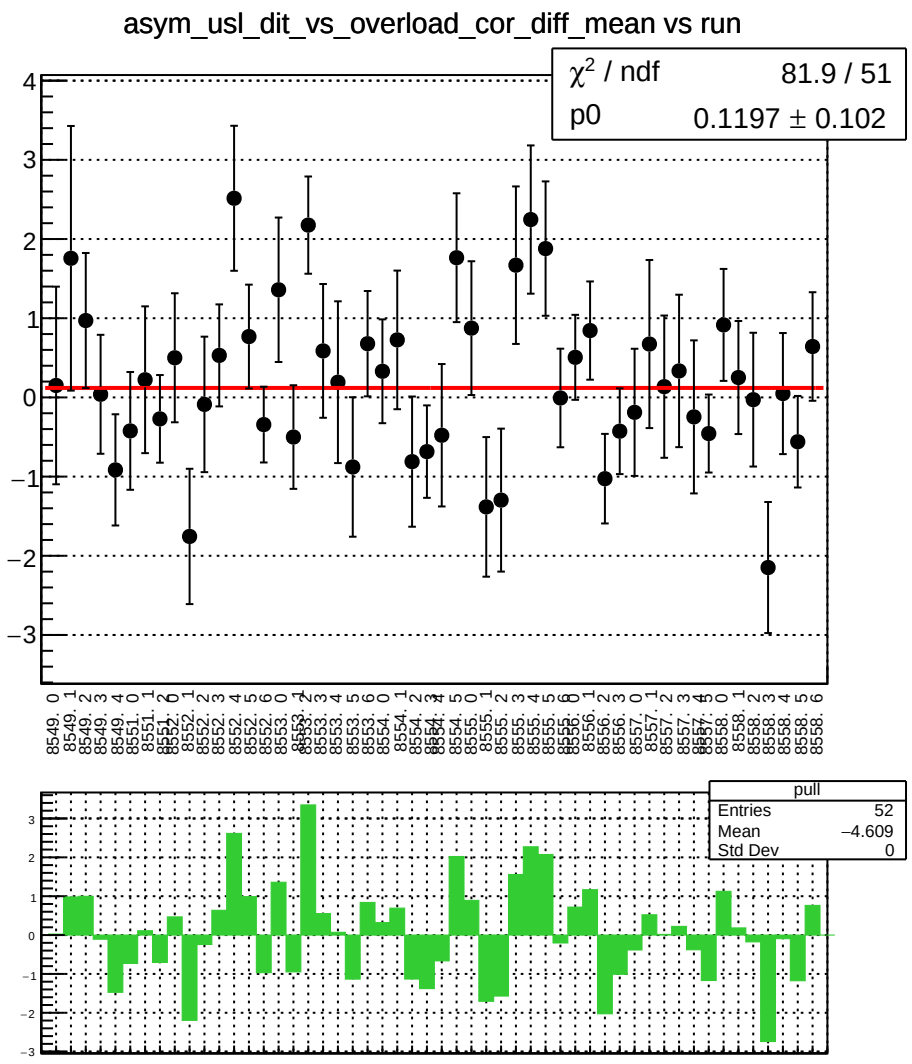

pull1D
Entries 52
Mean 0.1214
Std Dev 1.339

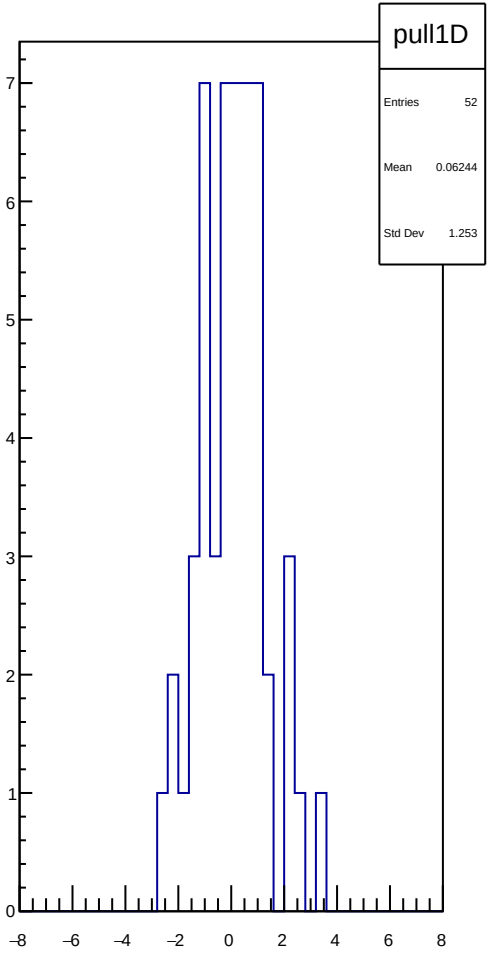

asym_usl_dit_vs_cor_diff_rms vs run
χ² / ndf 6.33e+04 / 51
p0 53.21 ± 0.05421
140
120
100
80
60
40
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

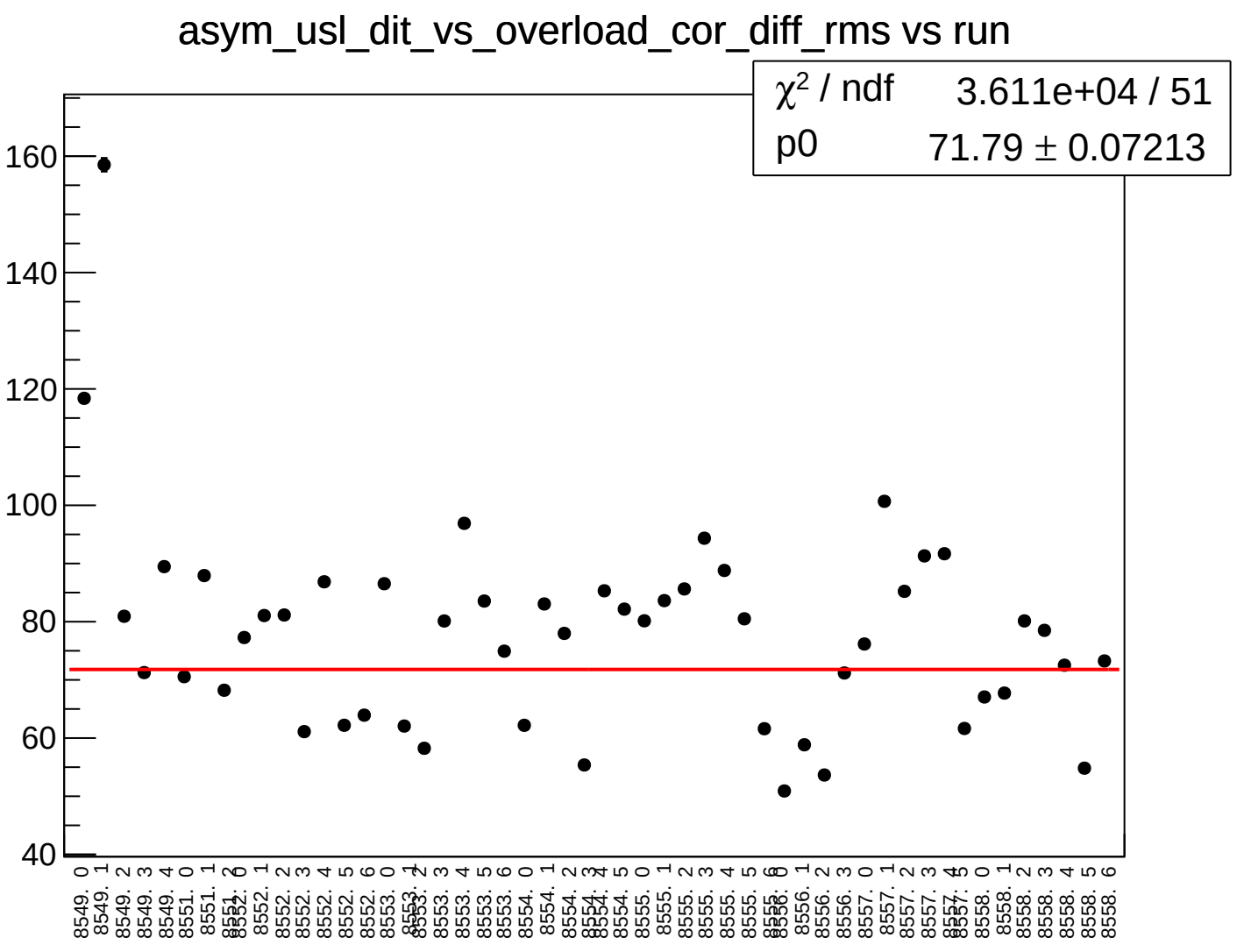

asym_usl_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 93.96 / 51
p0 0.03498 ± 0.07666
pull
Entries 52
Mean 37.37
Std Dev 0


pull1D
Entries 52
Mean 0.1214
Std Dev 1.339


asym_usl_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 6.33e+04 / 51
p0 53.21 ± 0.05421
140
120
100
80
60
40
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6


asym_usl_dit_vs_overload_cor_diff_mean vs run
χ² / ndf 81.9 / 51
p0 0.1197 ± 0.102
pull
Entries 52
Mean −4.609
Std Dev 0


pull1D
Entries 52
Mean 0.06244
Std Dev 1.253


asym_usl_dit_vs_overload_cor_diff_rms vs run
χ² / ndf 3.611e+04 / 51
p0 71.79 ± 0.07213
160
140
120
100
80
60
40
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
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8554. 2
8554. 5
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8558. 1
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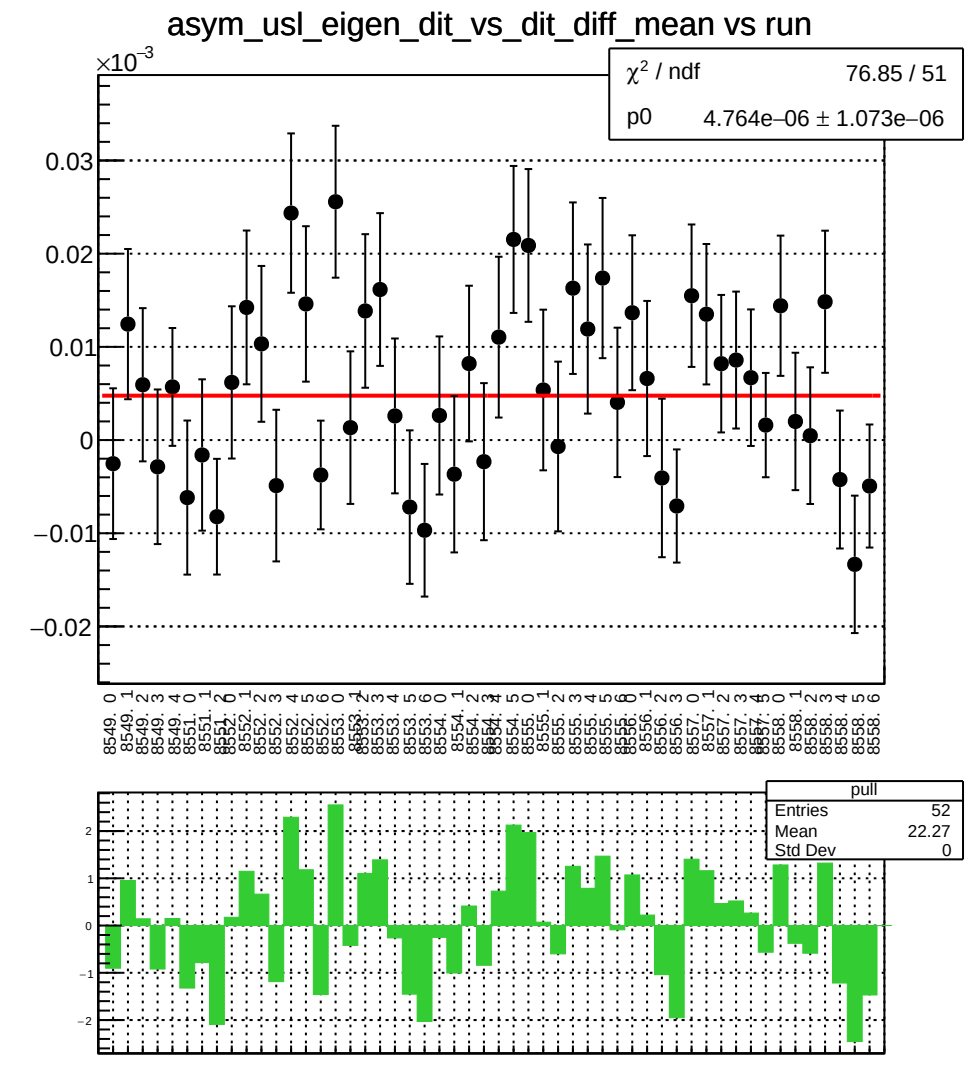
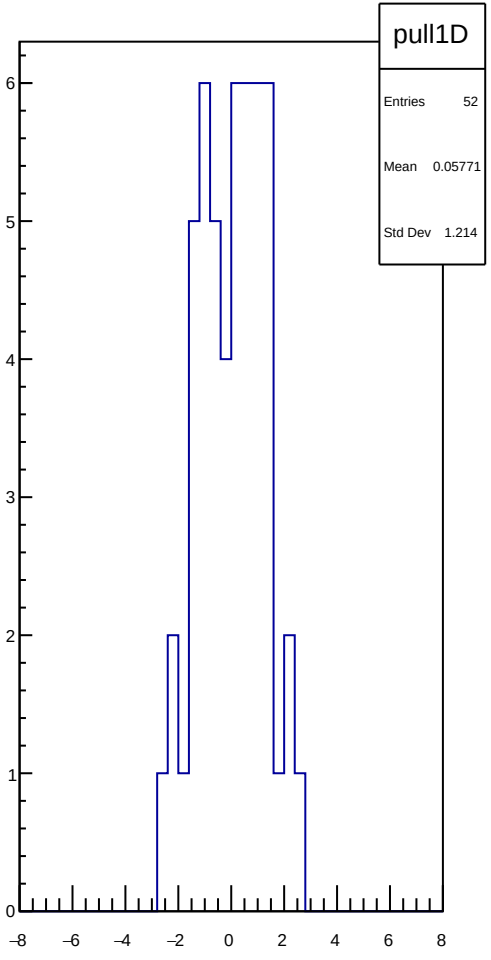
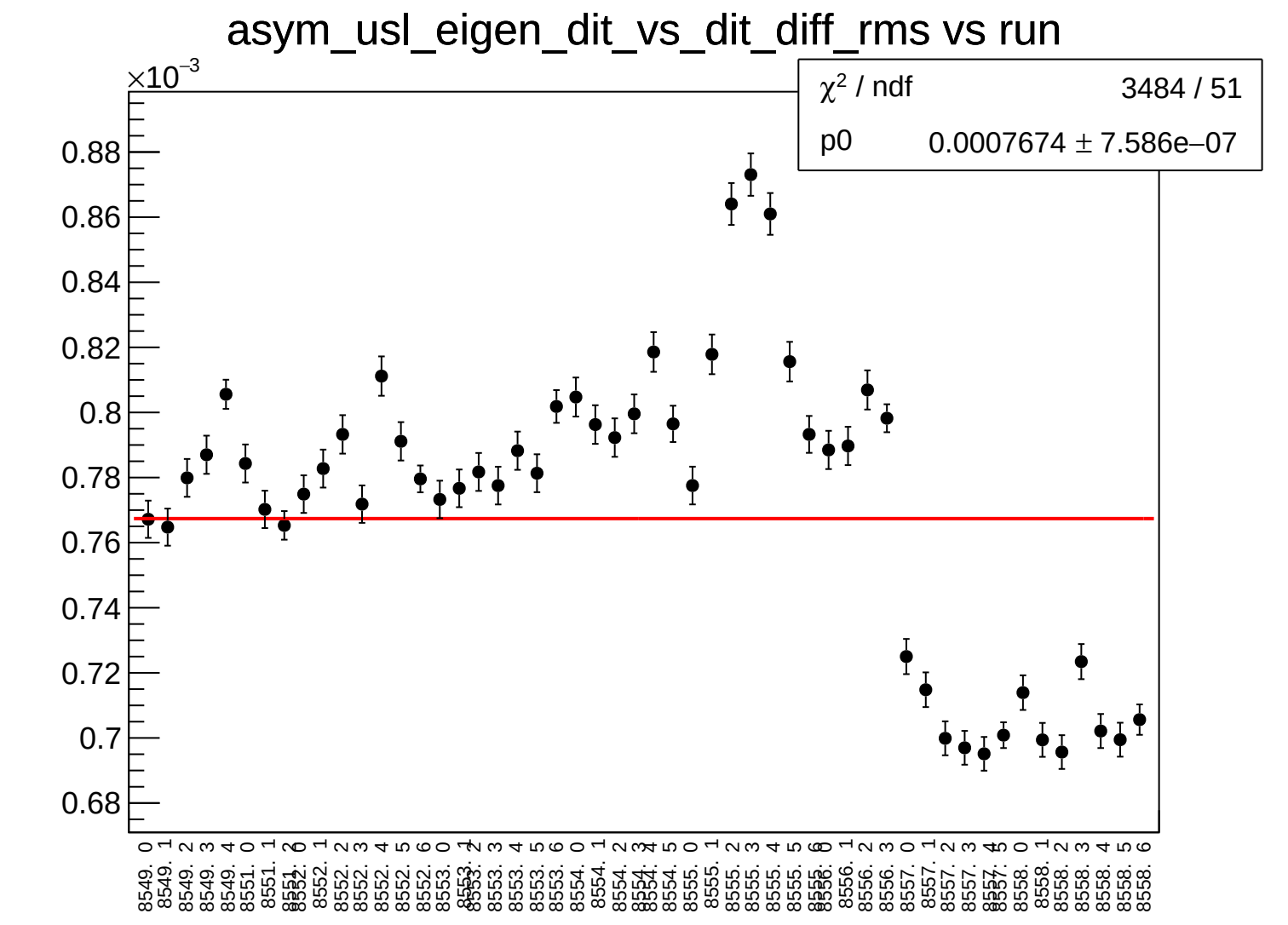
8558. 5
8558. 6


asym_usl_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 76.85 / 51
p0 4.764e−06 ± 1.073e−06
0.03
0.02
0.01
0
−0.01
−0.02
pull
Entries 52
Mean 22.27
Std Dev 0


pull1D
Entries 52
Mean 0.05771
Std Dev 1.214


asym_usl_eigen_dit_vs_dit_diff_rms vs run
×10⁻³
χ² / ndf 3484 / 51
p0 0.0007674 ± 7.586e−07
0.88
0.86
0.84
0.82
0.8
0.78
0.76
0.74
0.72
0.7
0.68
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
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8556. 3
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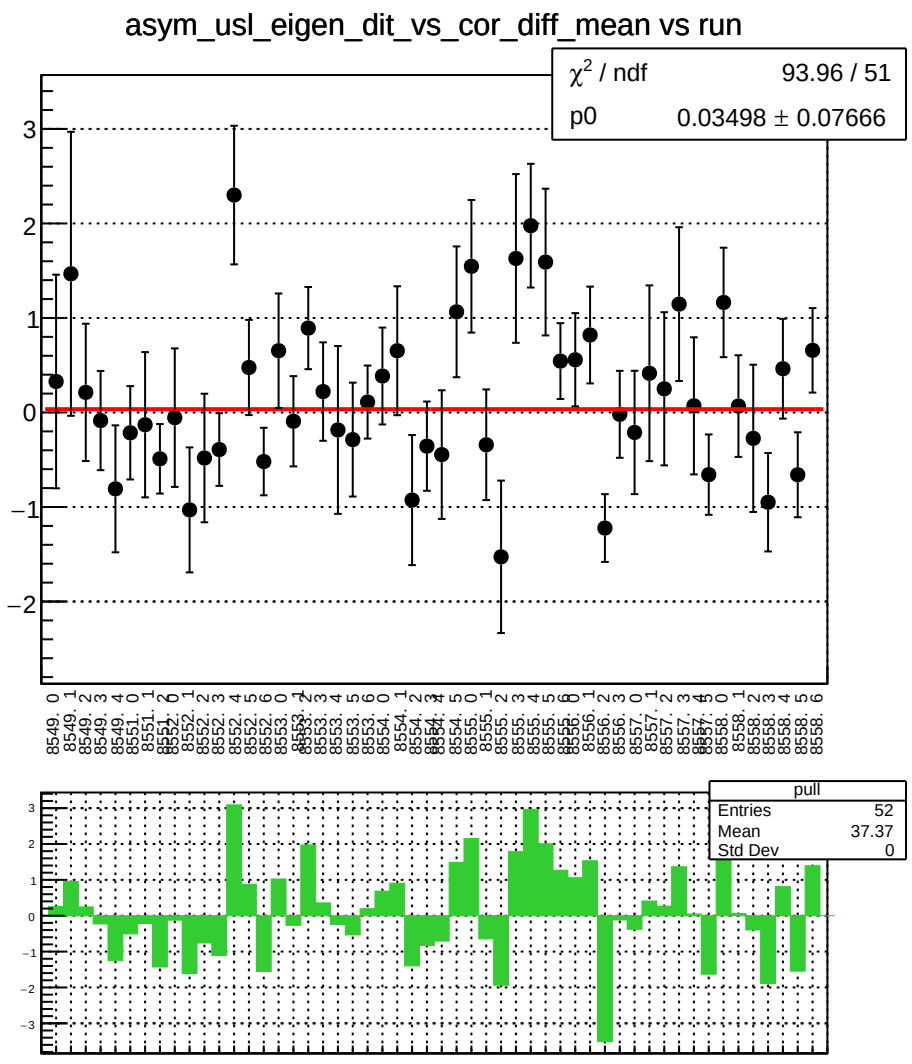
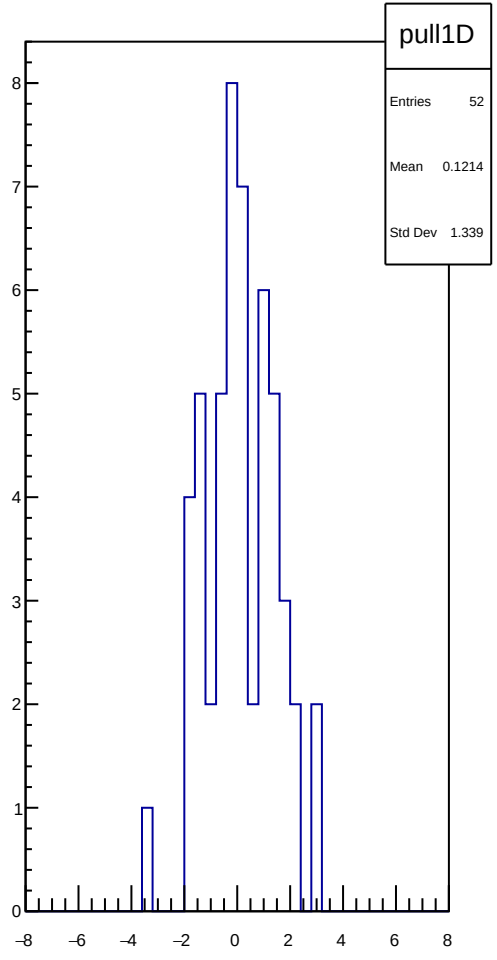
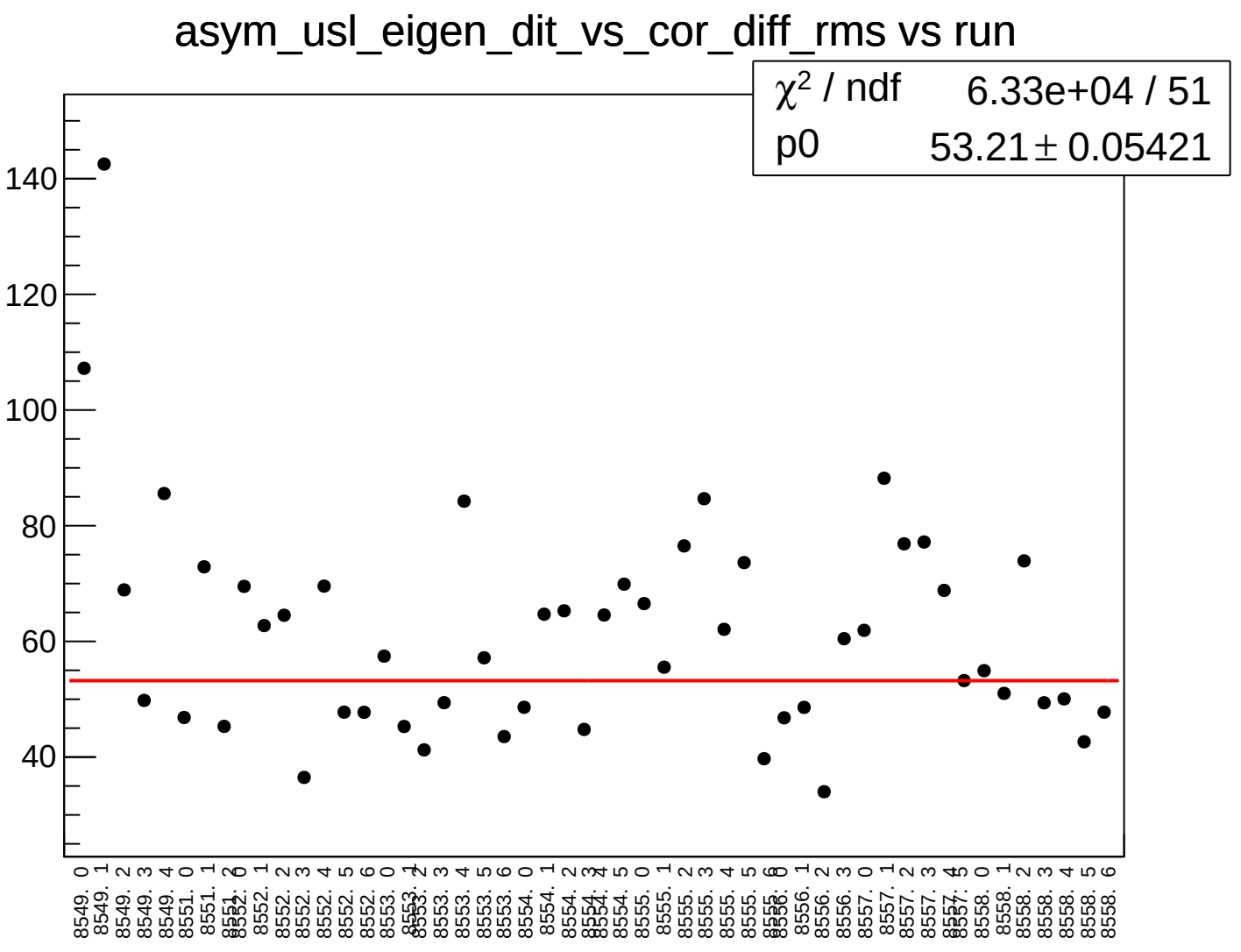
8558. 6


asym_usl_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 93.96 / 51
p0 0.03498 ± 0.07666
pull
Entries 52
Mean 37.37
Std Dev 0


pull1D
Entries 52
Mean 0.1214
Std Dev 1.339


asym_usl_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 6.33e+04 / 51
p0 53.21 ± 0.05421
140
120
100
80
60
40
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
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8557. 2
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8558. 0
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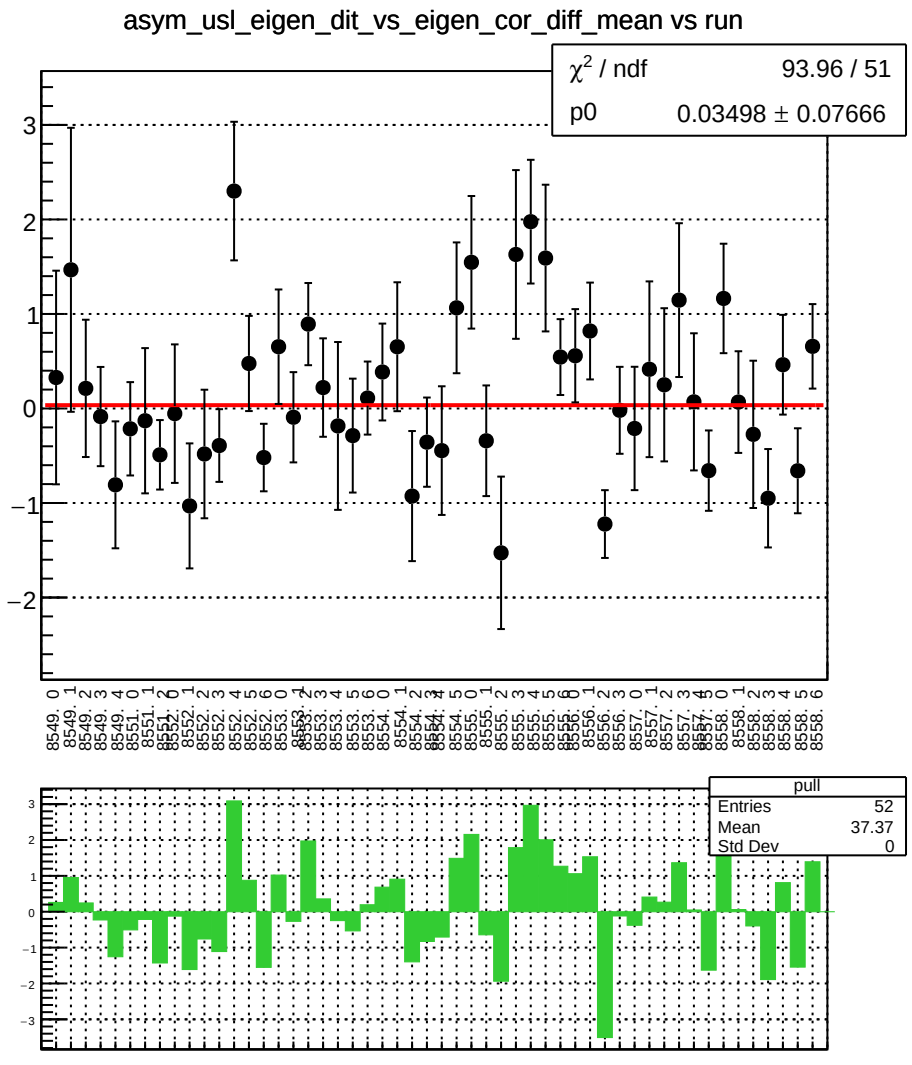
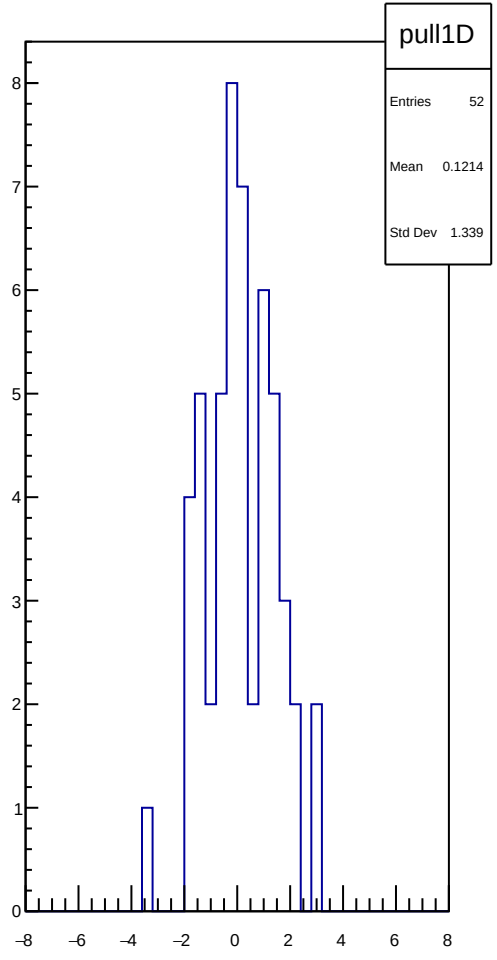
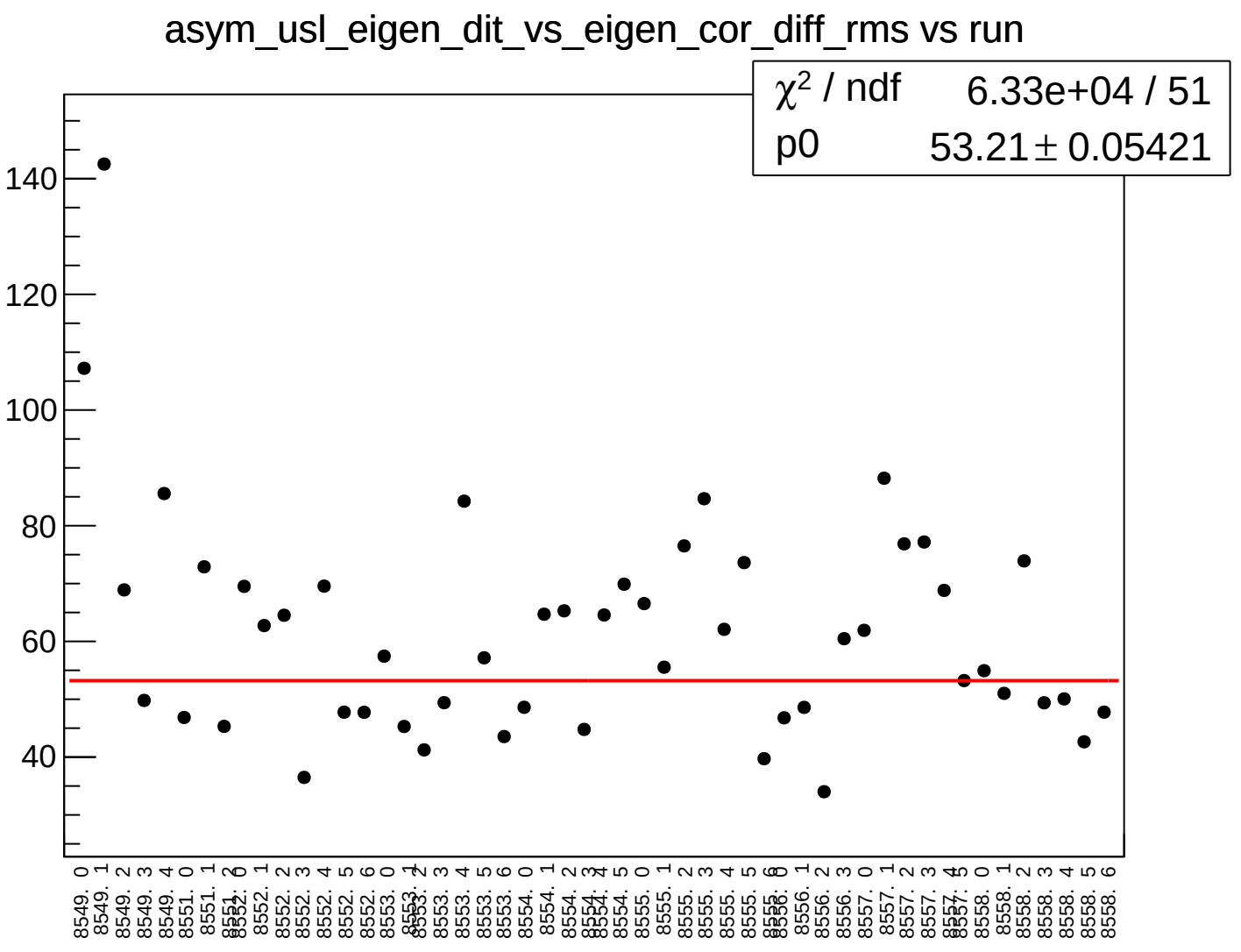
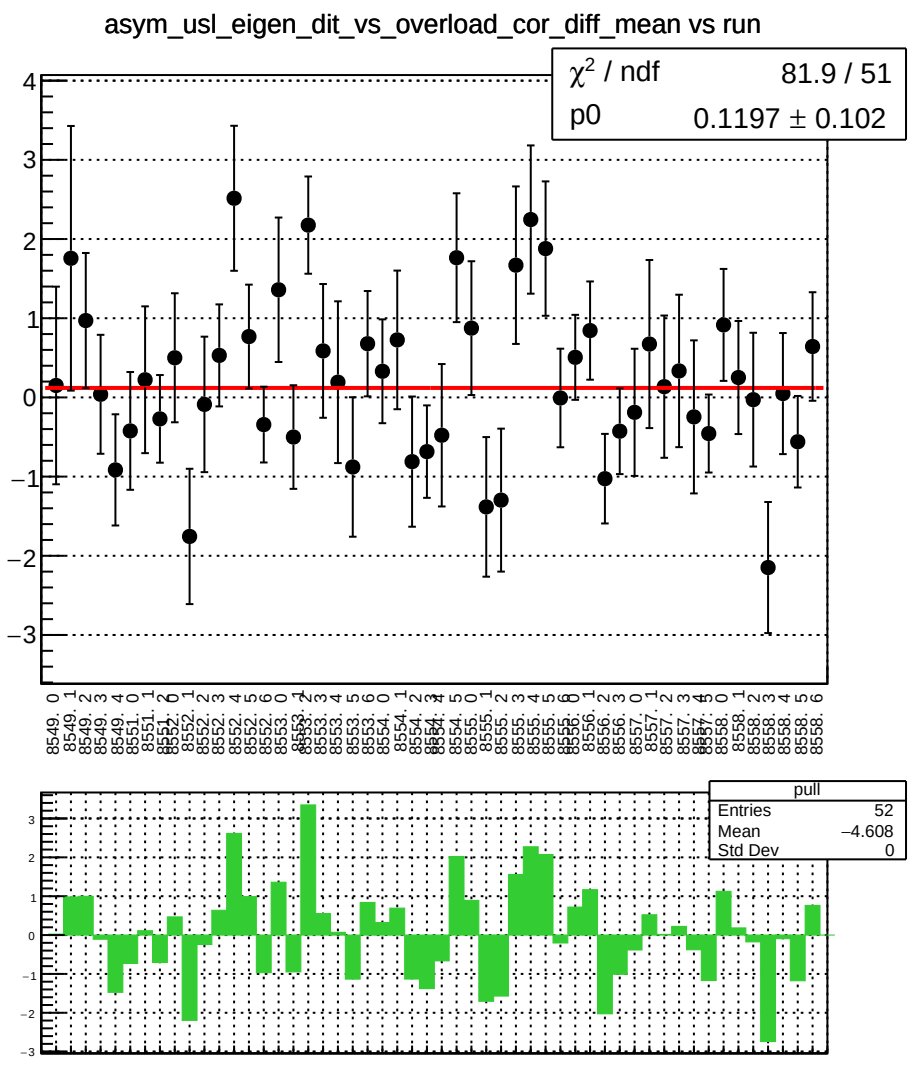
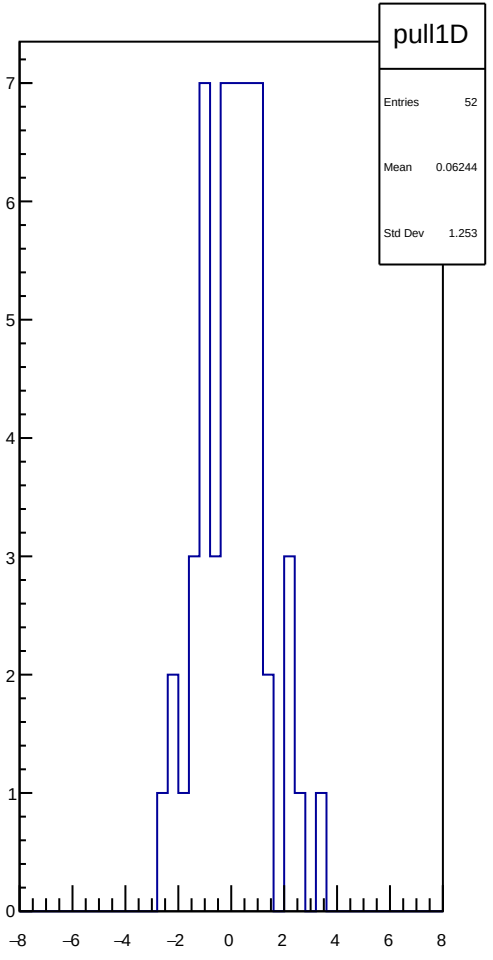
8558. 5
8558. 6

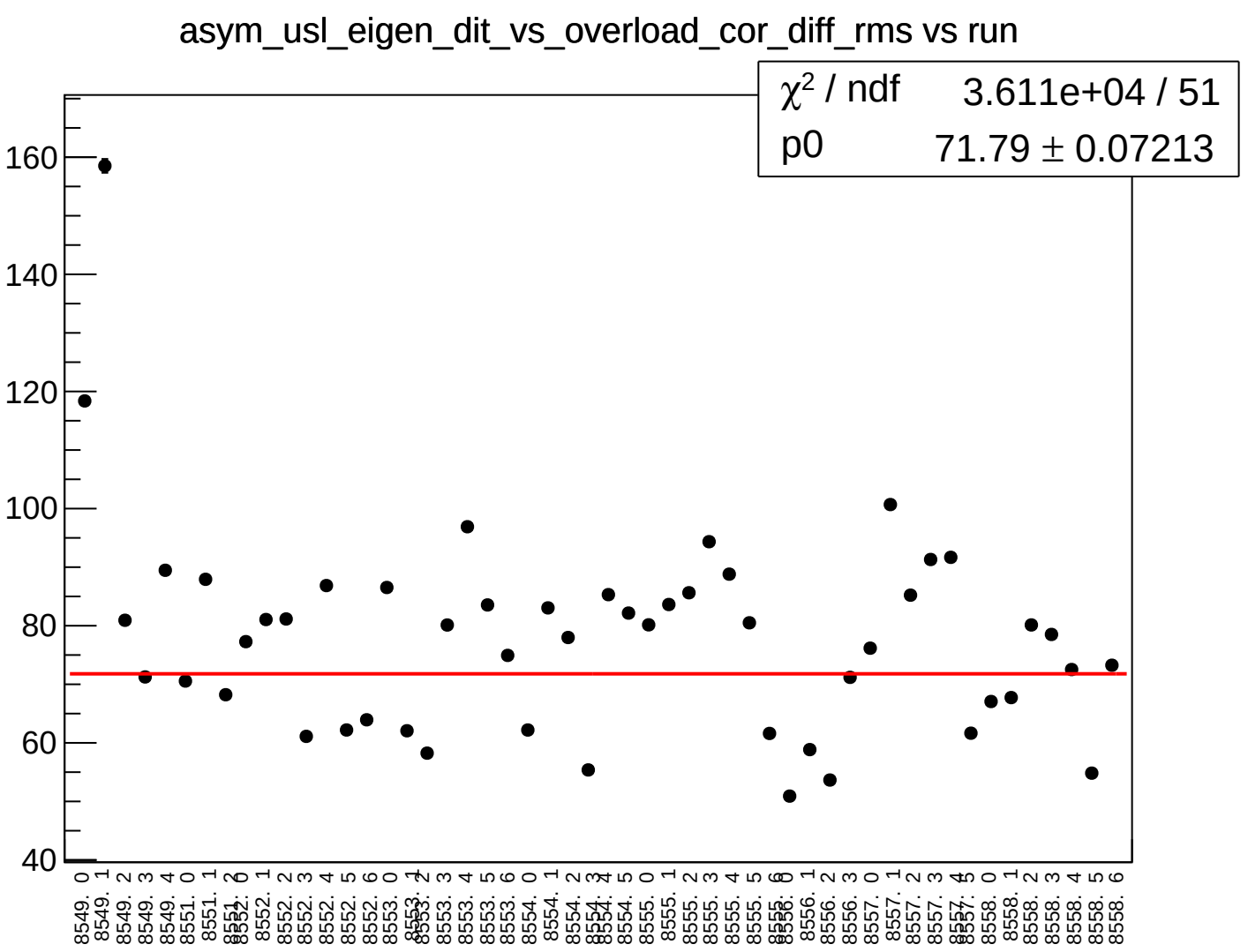

asym_usl_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 93.96 / 51
p0 0.03498 ± 0.07666
pull
Entries 52
Mean 37.37
Std Dev 0

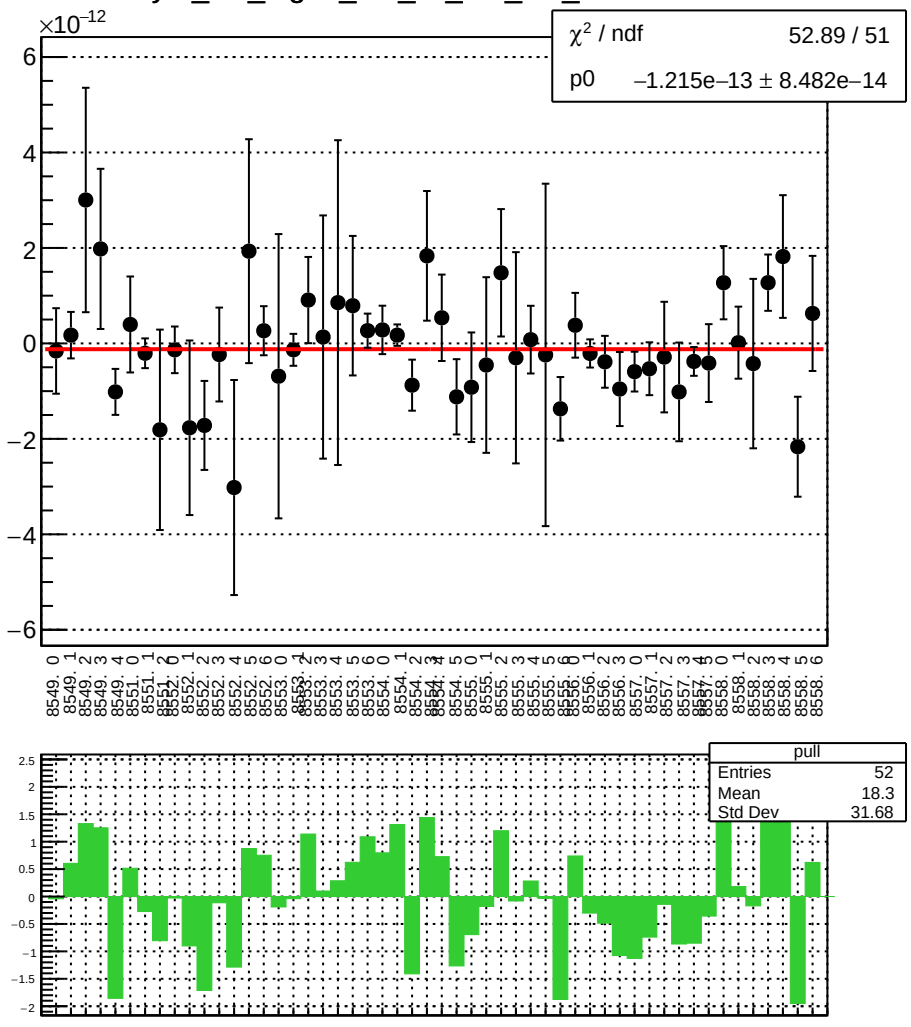

pull1D
Entries 52
Mean 0.1214
Std Dev 1.339

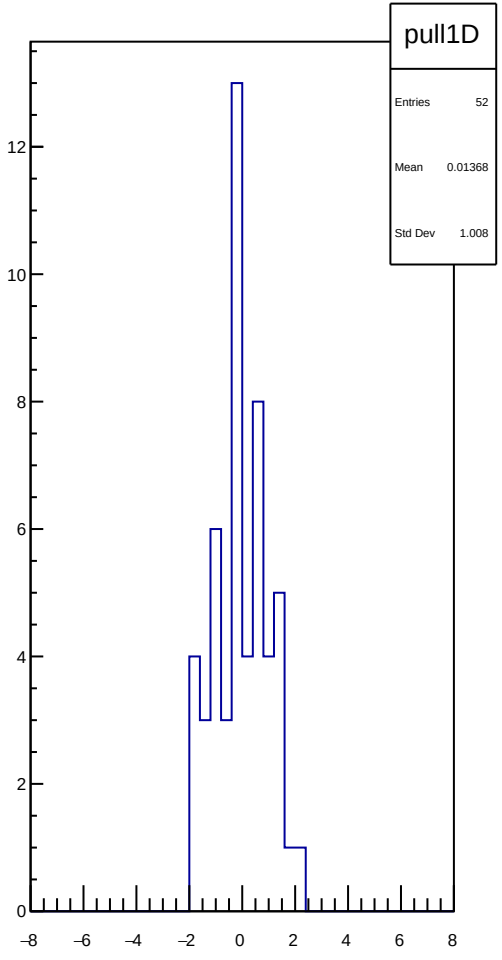

asym_usl_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 6.33e+04 / 51
p0 53.21 ± 0.05421
140
120
100
80
60
40
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

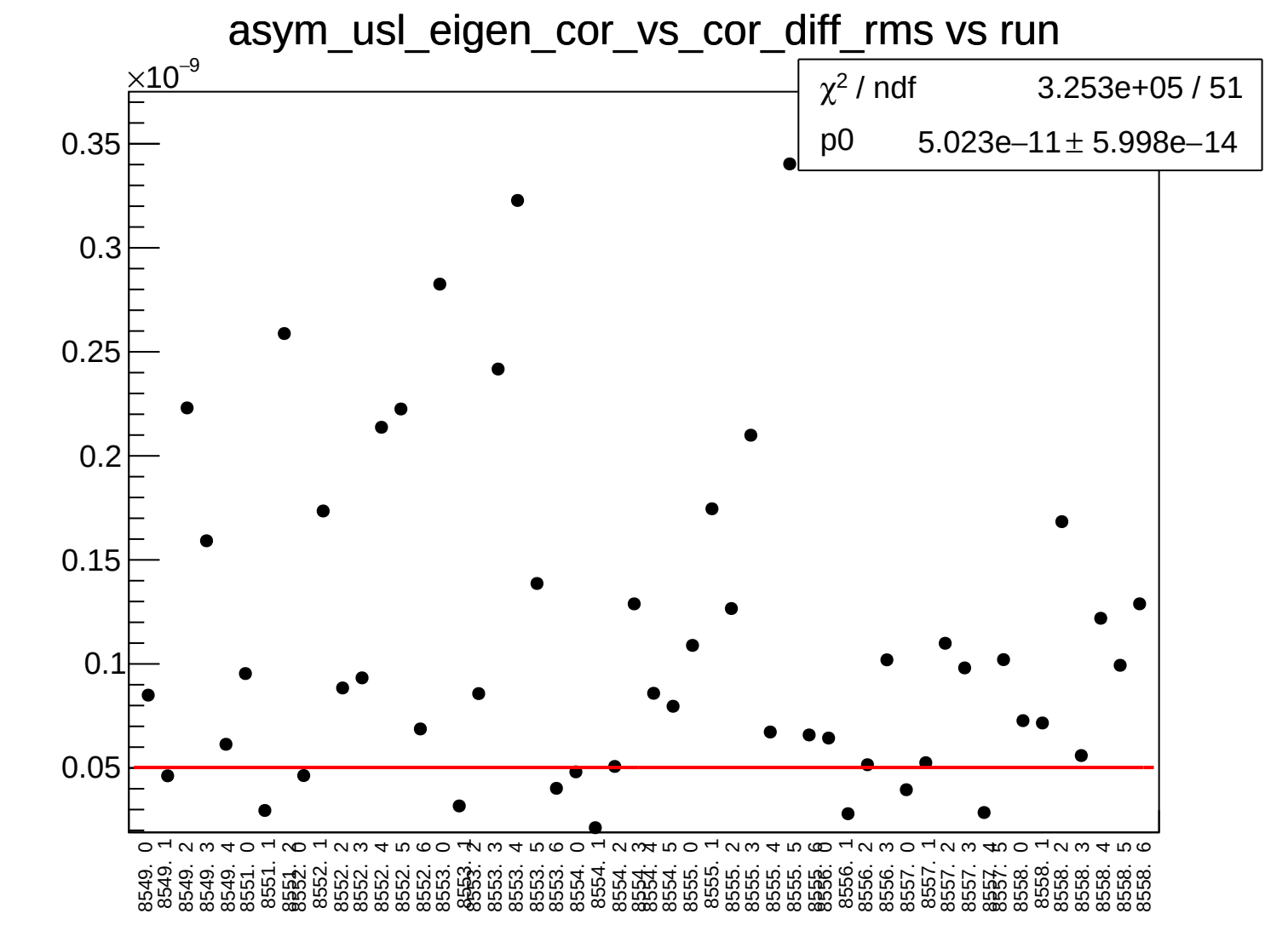

asym_usl_eigen_dit_vs_overload_cor_diff_mean vs run
χ² / ndf 81.9 / 51
p0 0.1197 ± 0.102
pull
Entries 52
Mean −4.608
Std Dev 0

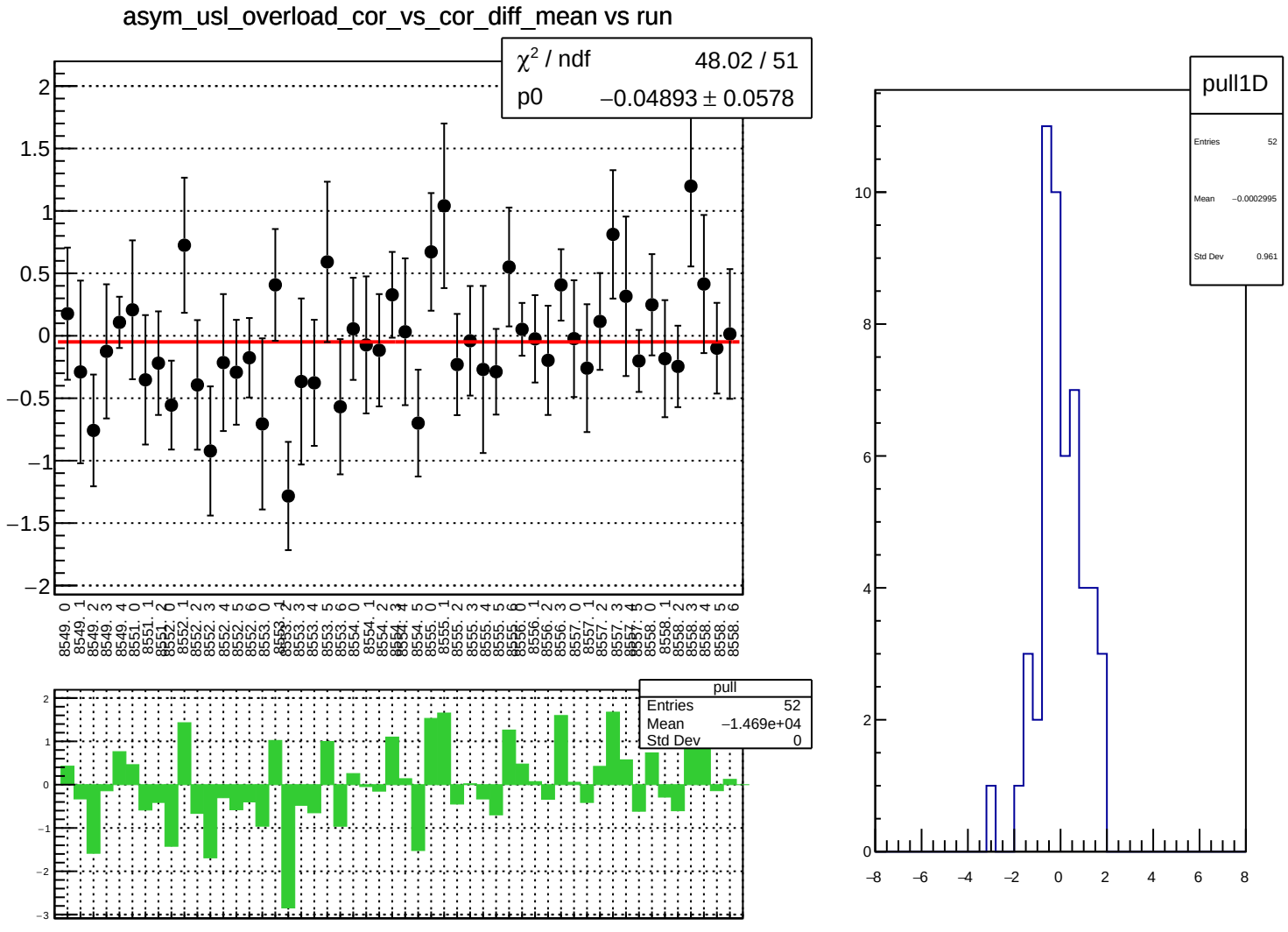

pull1D
Entries 52
Mean 0.06244
Std Dev 1.253

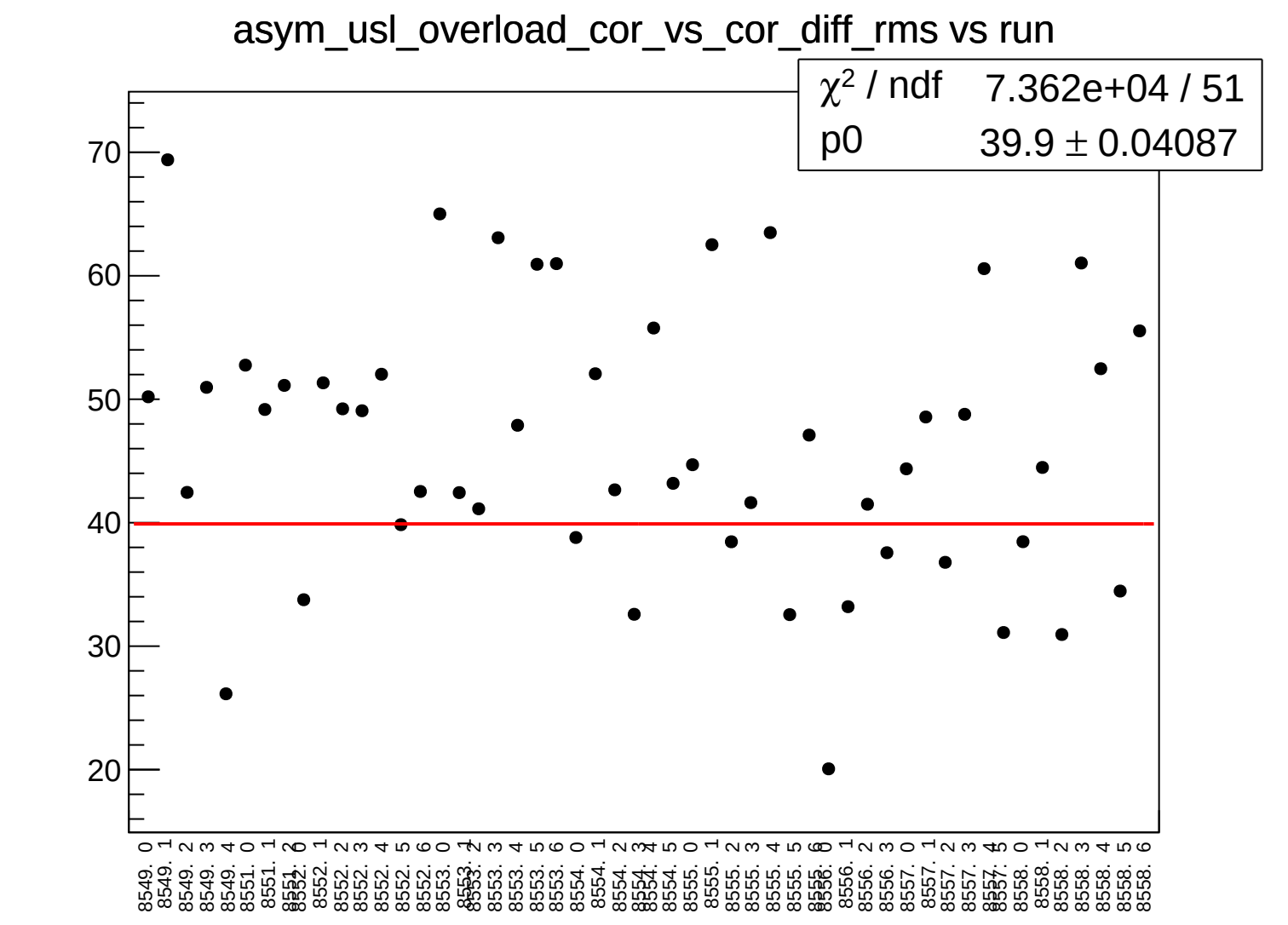

asym_usl_eigen_dit_vs_overload_cor_diff_rms vs run
χ² / ndf 3.611e+04 / 51
p0 71.79 ± 0.07213
160
140
120
100
80
60
40
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

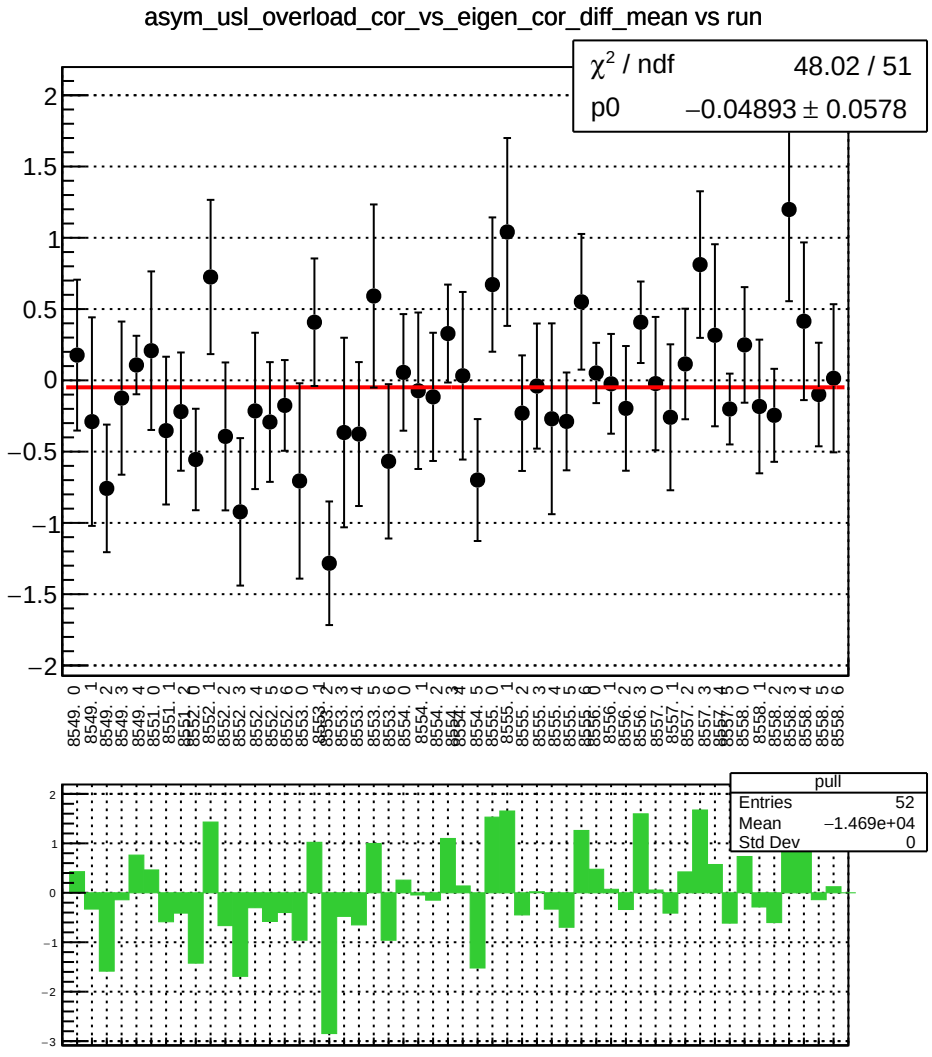

asym_usl_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 52.89 / 51
p0 −1.215e−13 ± 8.482e−14
pull
Entries 52
Mean 18.3
Std Dev 31.68

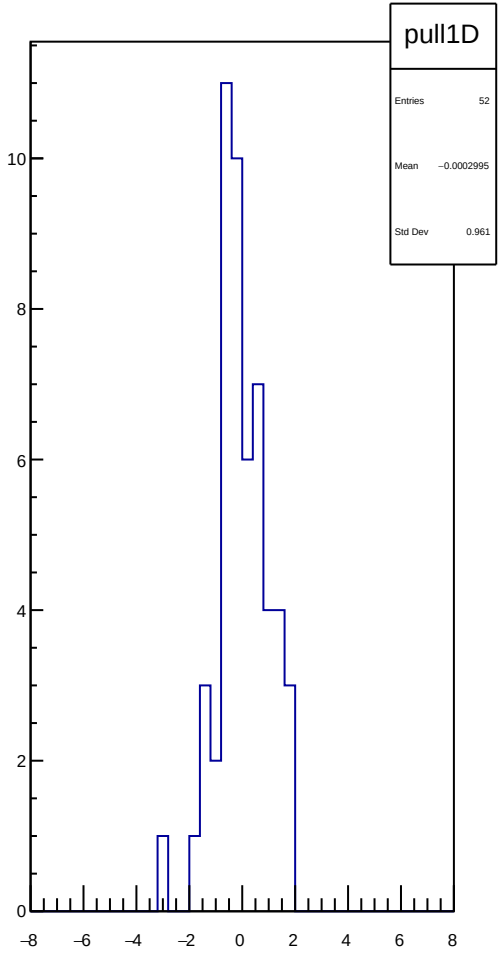

pull1D
Entries 52
Mean 0.01368
Std Dev 1.008

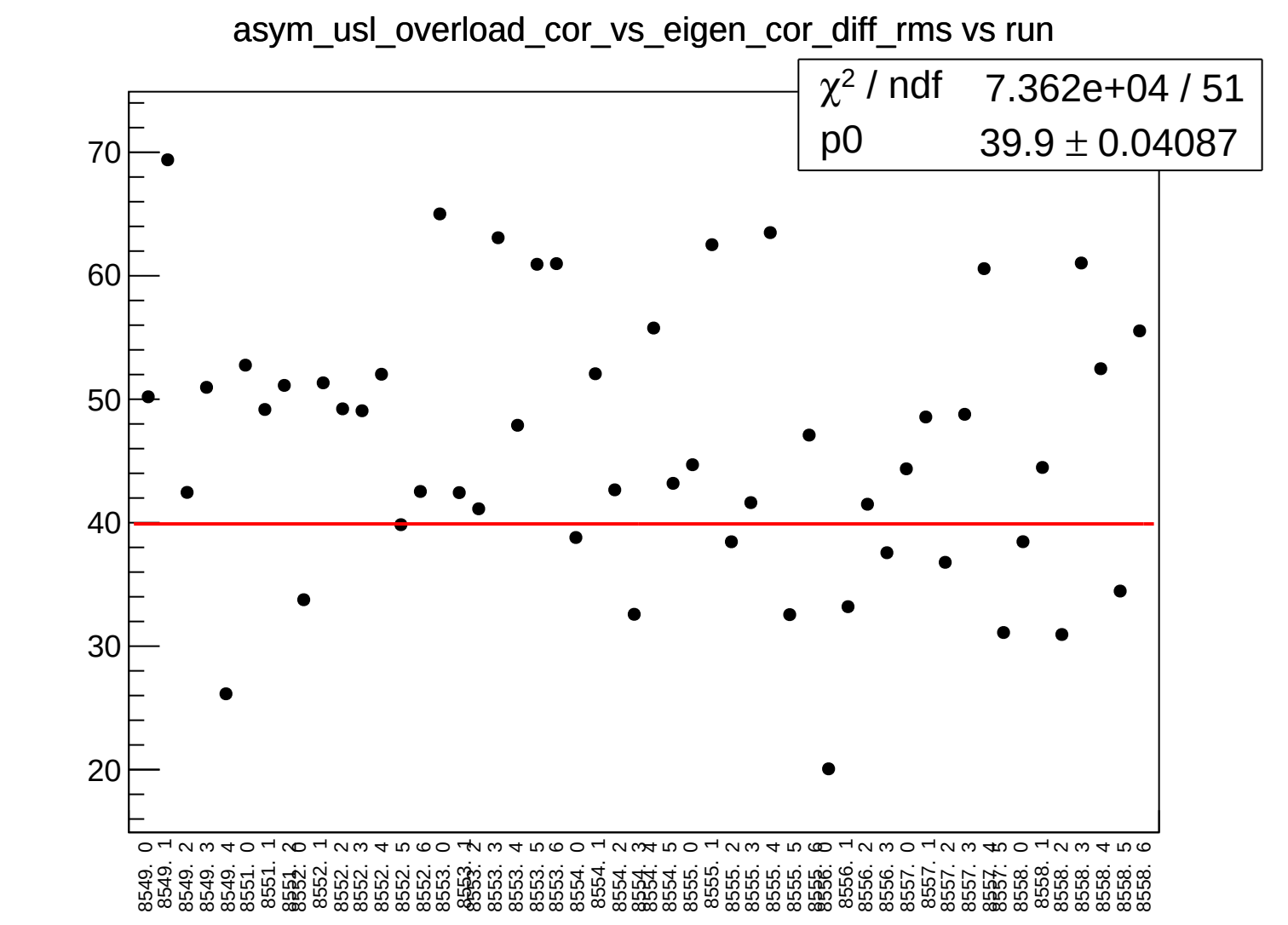

asym_usl_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 3.253e+05 / 51
p0 5.023e−11 ± 5.998e−14
0.35
0.3
0.25
0.2
0.15
0.1
0.05
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6


asym_usl_overload_cor_vs_cor_diff_mean vs run
χ² / ndf 48.02 / 51
p0 −0.04893 ± 0.0578
pull
Entries 52
Mean −1.469e+04
Std Dev 0
pull1D
Entries 52
Mean −0.0002995
Std Dev 0.961


asym_usl_overload_cor_vs_cor_diff_rms vs run
χ² / ndf 7.362e+04 / 51
p0 39.9 ± 0.04087
70
60
50
40
30
20
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8551. 2
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 5
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6


asym_usl_overload_cor_vs_eigen_cor_diff_mean vs run
χ² / ndf 48.02 / 51
p0 −0.04893 ± 0.0578
pull
Entries 52
Mean −1.469e+04
Std Dev 0


pull1D
Entries 52
Mean −0.0002995
Std Dev 0.961


asym_usl_overload_cor_vs_eigen_cor_diff_rms vs run
χ² / ndf 7.362e+04 / 51
p0 39.9 ± 0.04087
70
60
50
40
30
20
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 5
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
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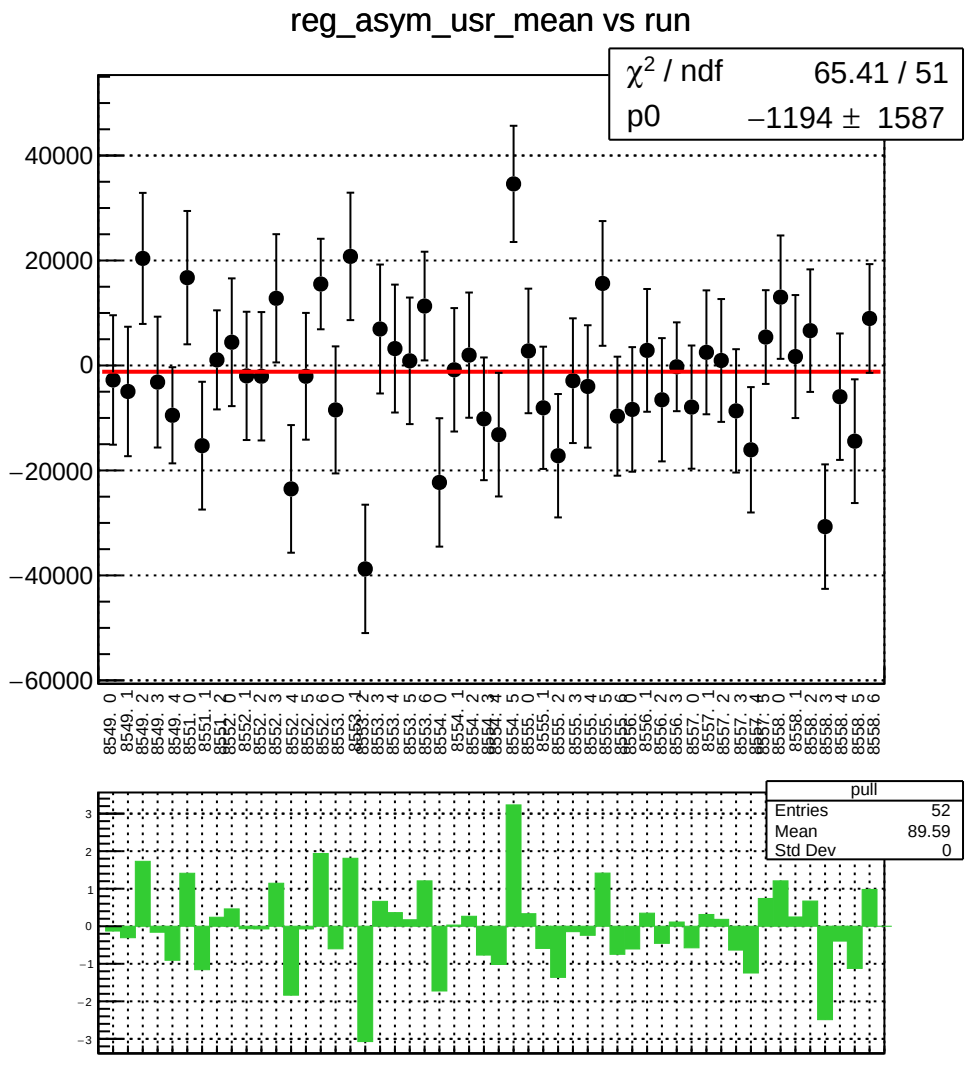
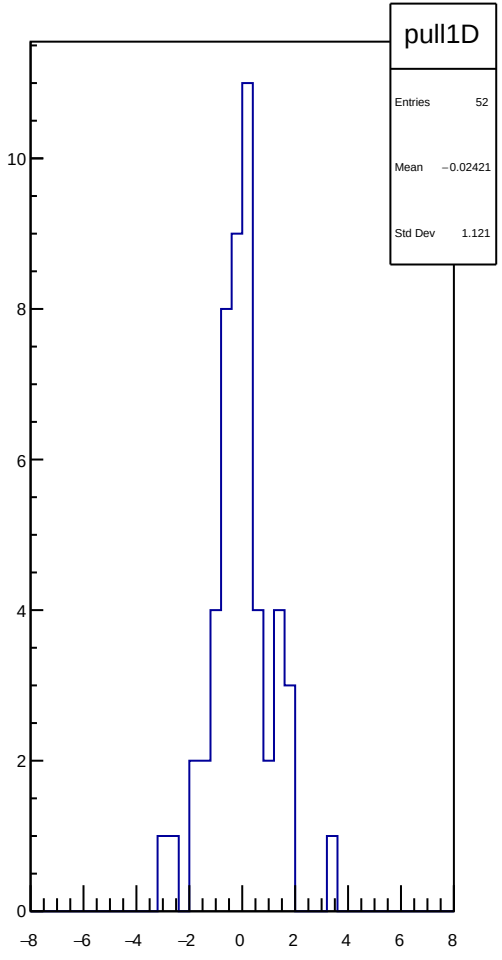
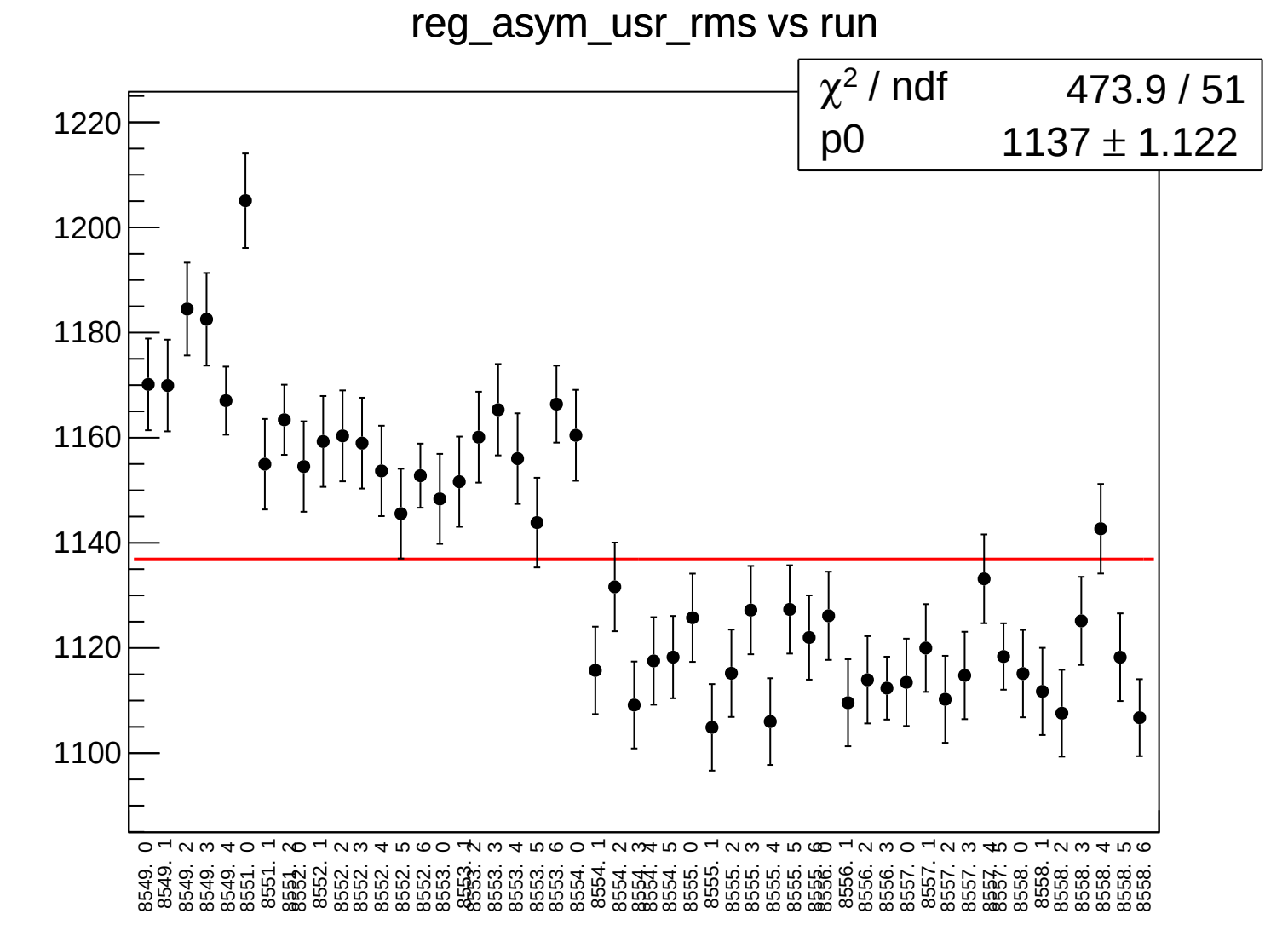
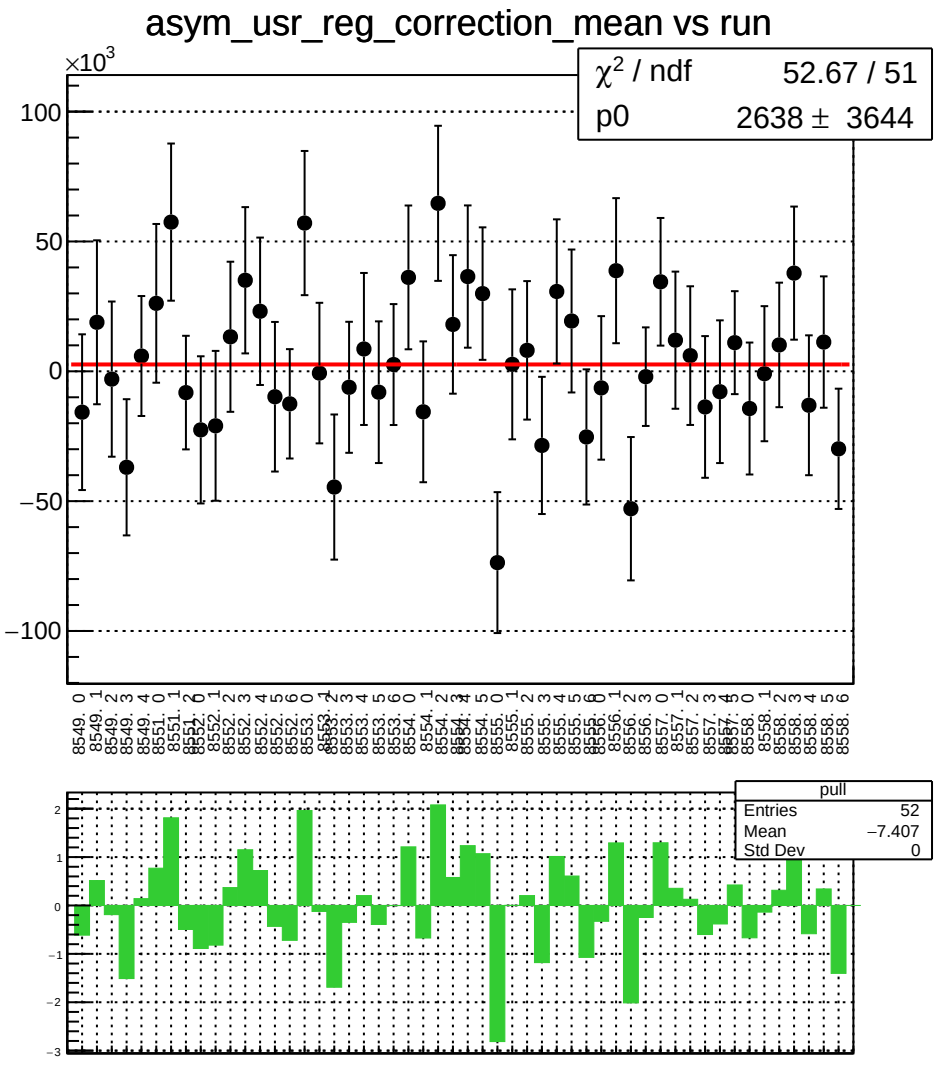
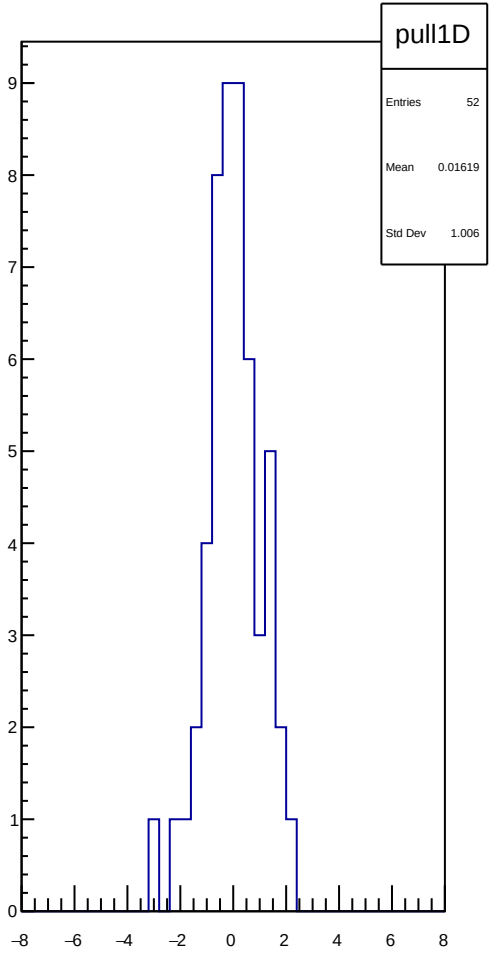
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

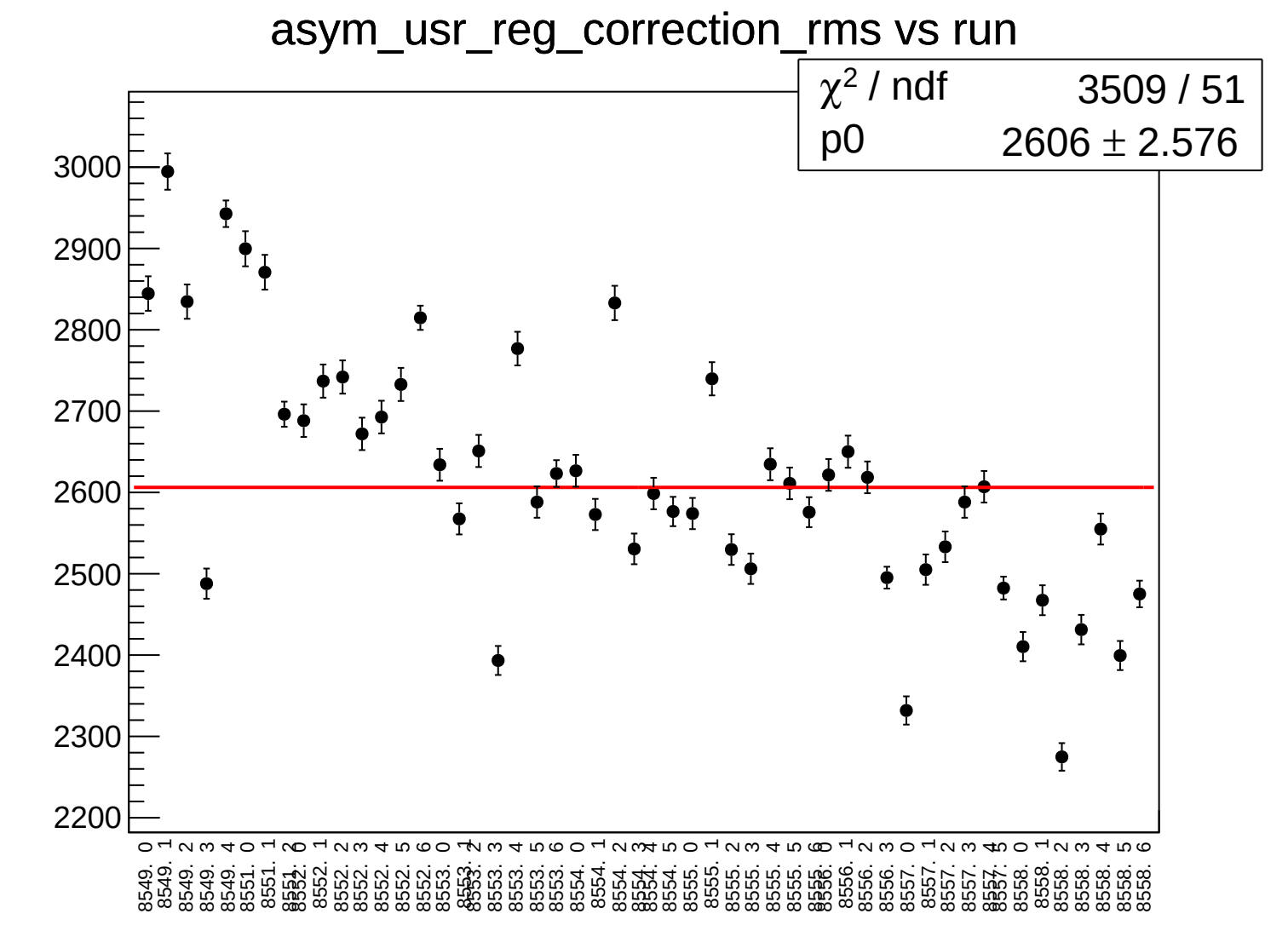

reg_asym_usr_mean vs run
χ² / ndf 65.41 / 51
p0 −1194 ± 1587
40000
20000
0
−20000
−40000
−60000
pull
Entries 52
Mean 89.59
Std Dev 0
3
2
1
0
−1
−2
−3

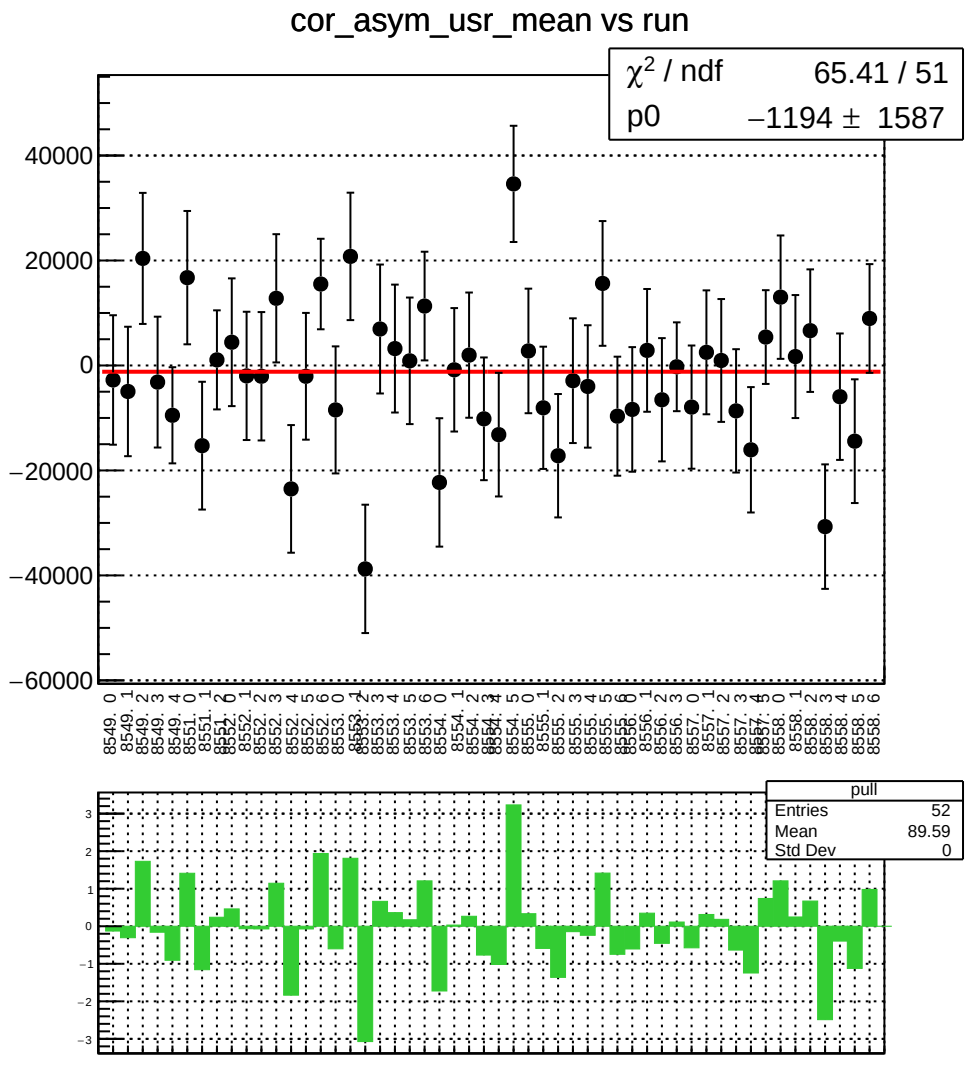

pull1D
Entries 52
Mean −0.02421
Std Dev 1.121
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

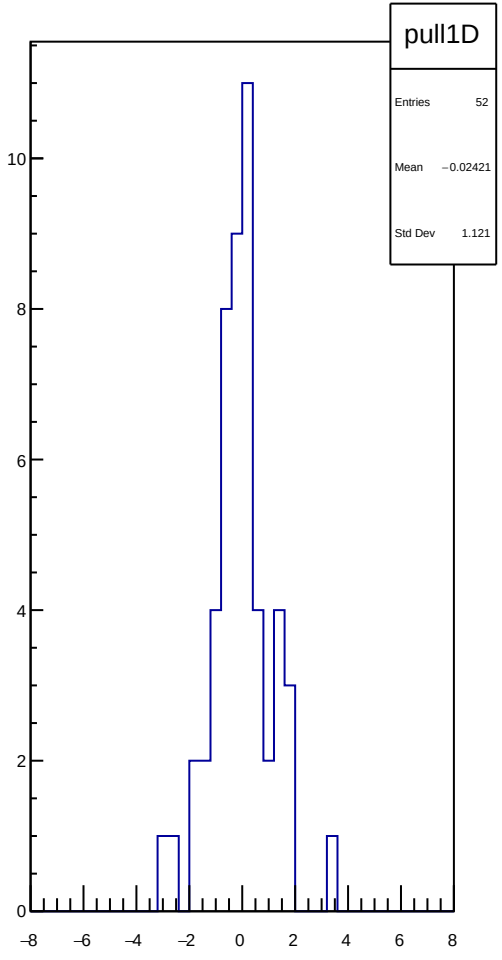

reg_asym_usr_rms vs run
χ² / ndf 473.9 / 51
p0 1137 ± 1.122
1220
1200
1180
1160
1140
1120
1100
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 5
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

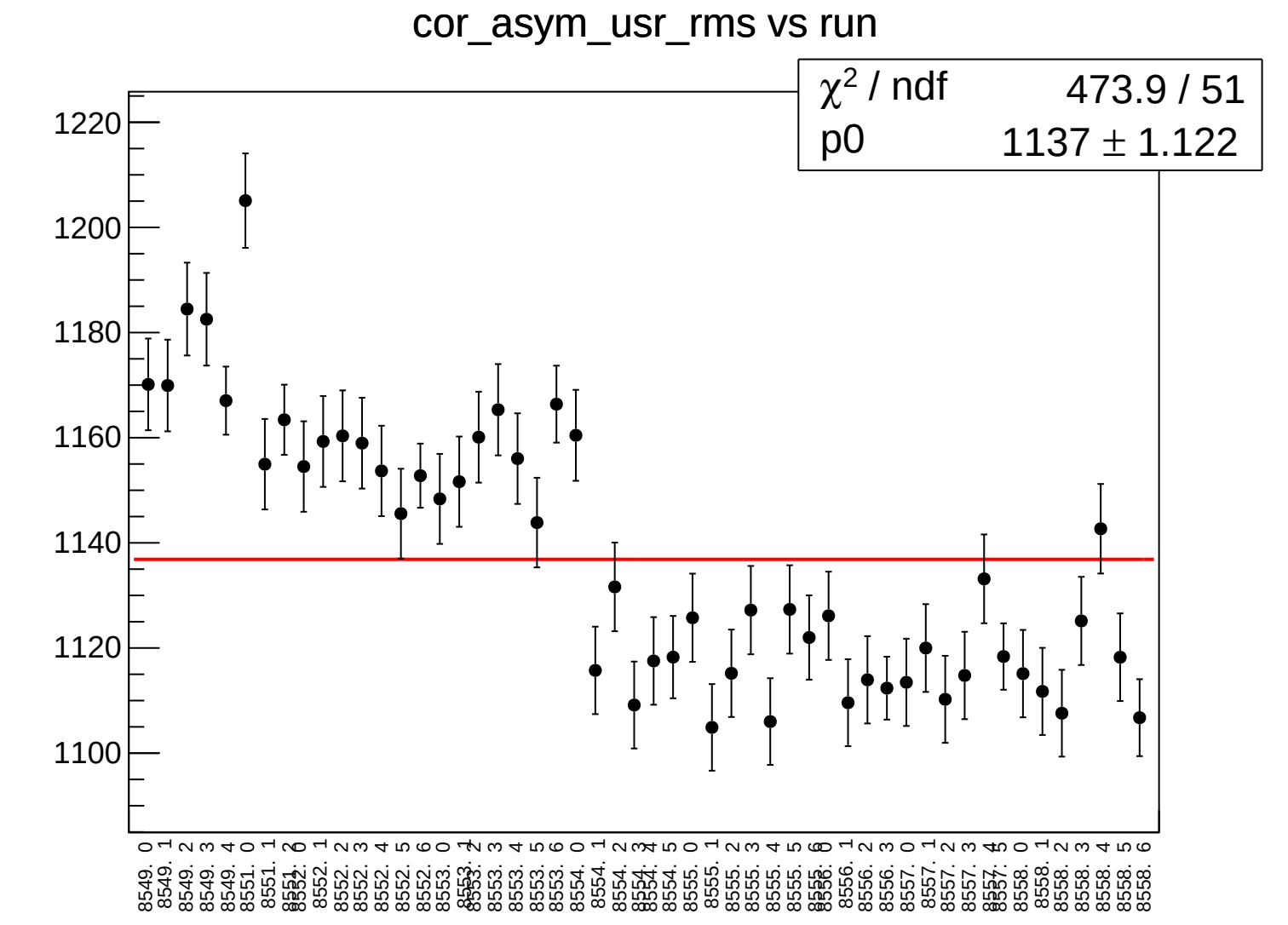

asym_usr_reg_correction_mean vs run
×10^3
χ² / ndf 52.67 / 51
p0 2638 ± 3644
100
50
0
−50
−100
pull
Entries 52
Mean −7.407
Std Dev 0
2
1
0
−1
−2
−3

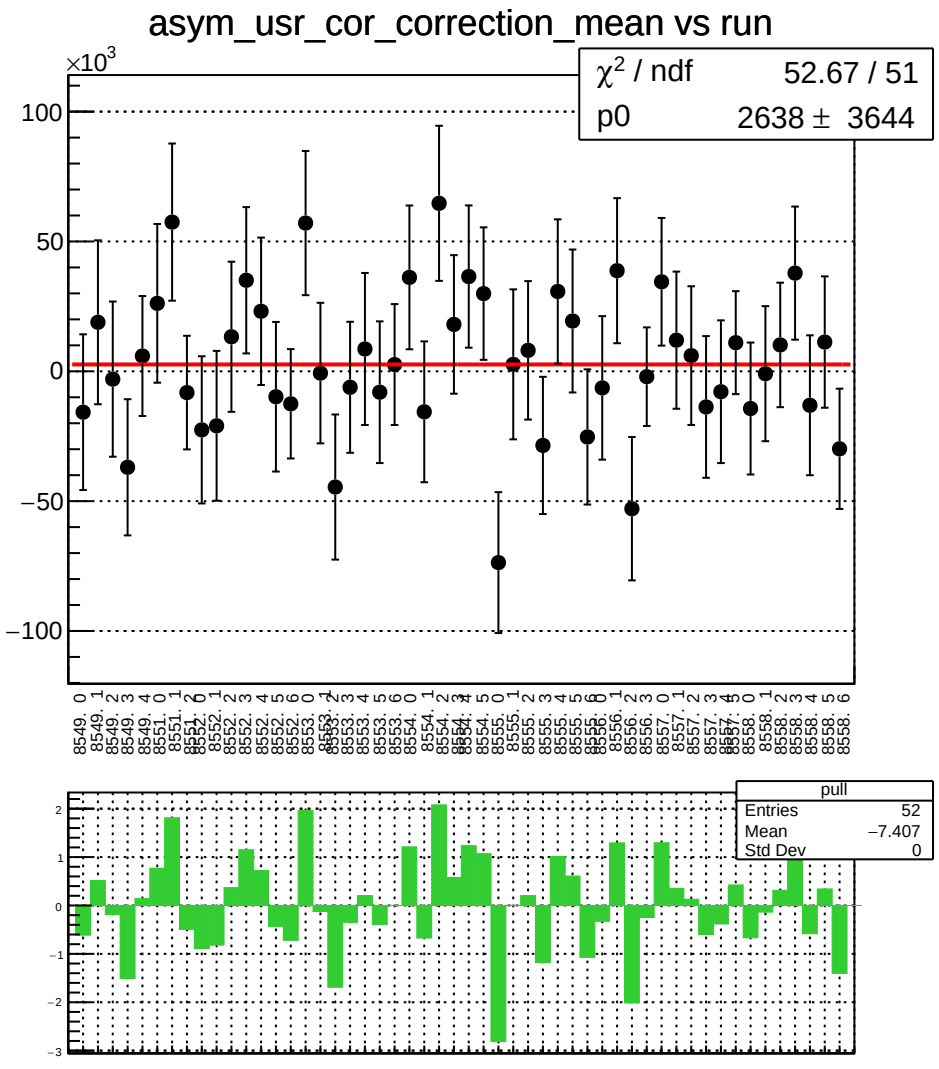

pull1D
Entries 52
Mean 0.01619
Std Dev 1.006
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

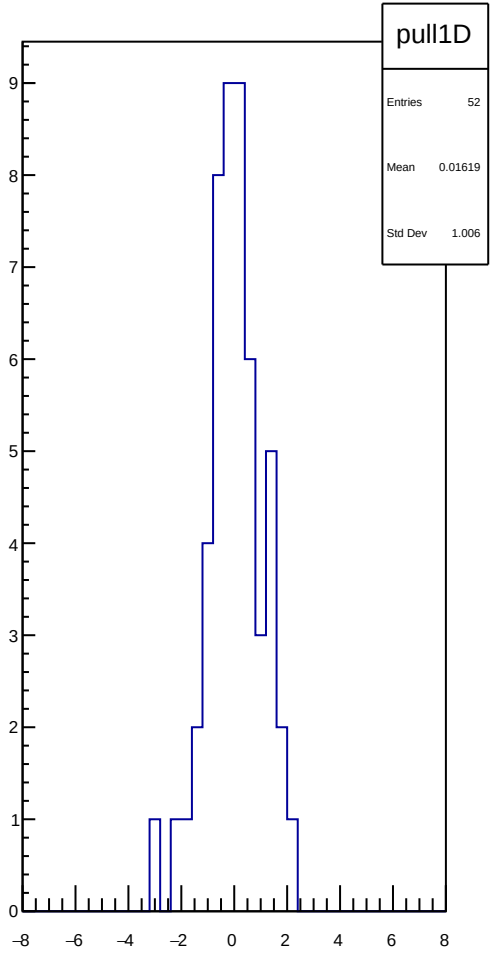

asym_usr_reg_correction_rms vs run
χ^2 / ndf 3509 / 51
p0 2606 ± 2.576
3000
2900
2800
2700
2600
2500
2400
2300
2200
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

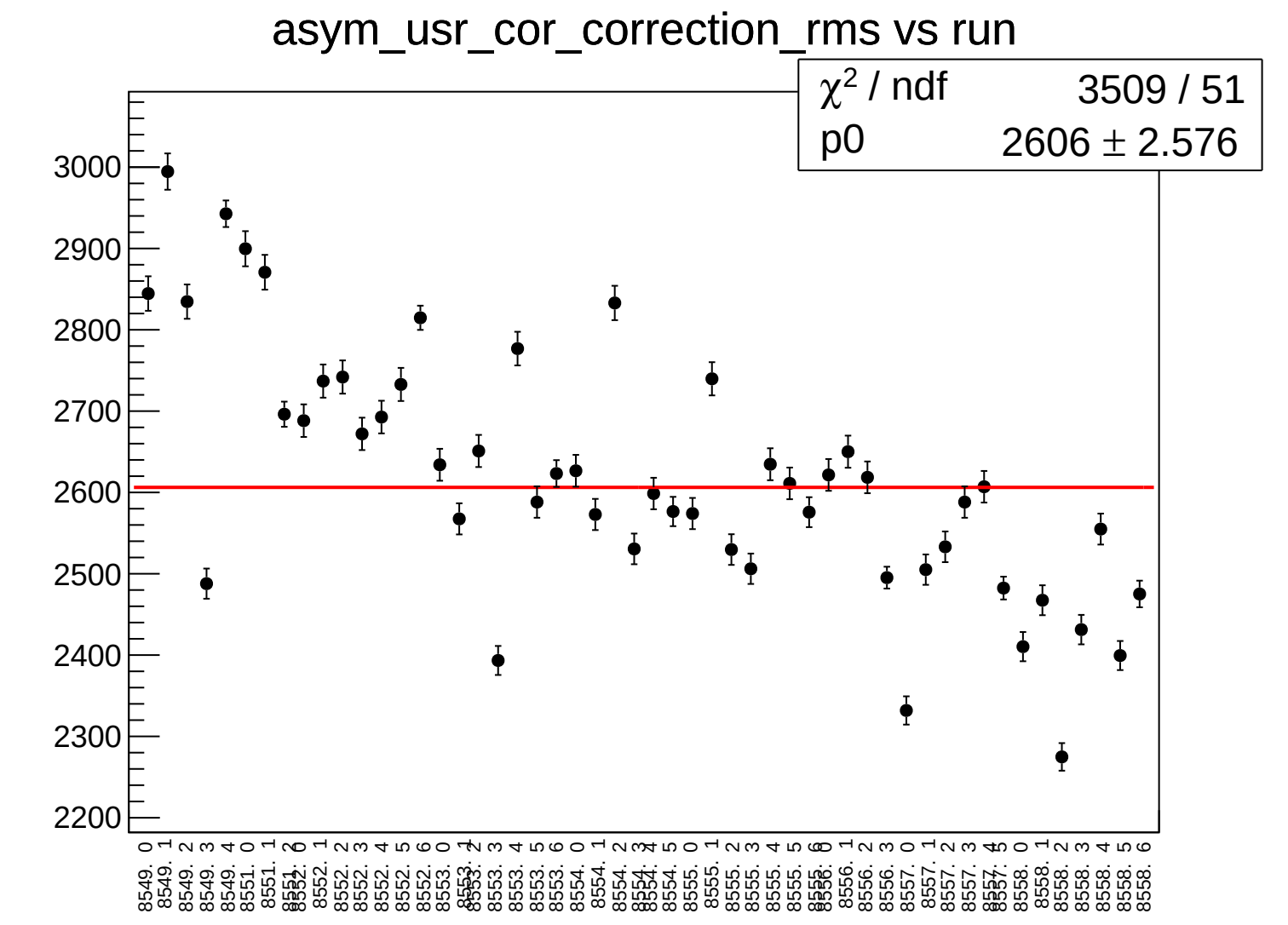

cor_asym_usr_mean vs run
χ² / ndf 65.41 / 51
p0 −1194 ± 1587
40000
20000
0
−20000
−40000
−60000
pull
Entries 52
Mean 89.59
Std Dev 0
3
2
1
0
−1
−2
−3

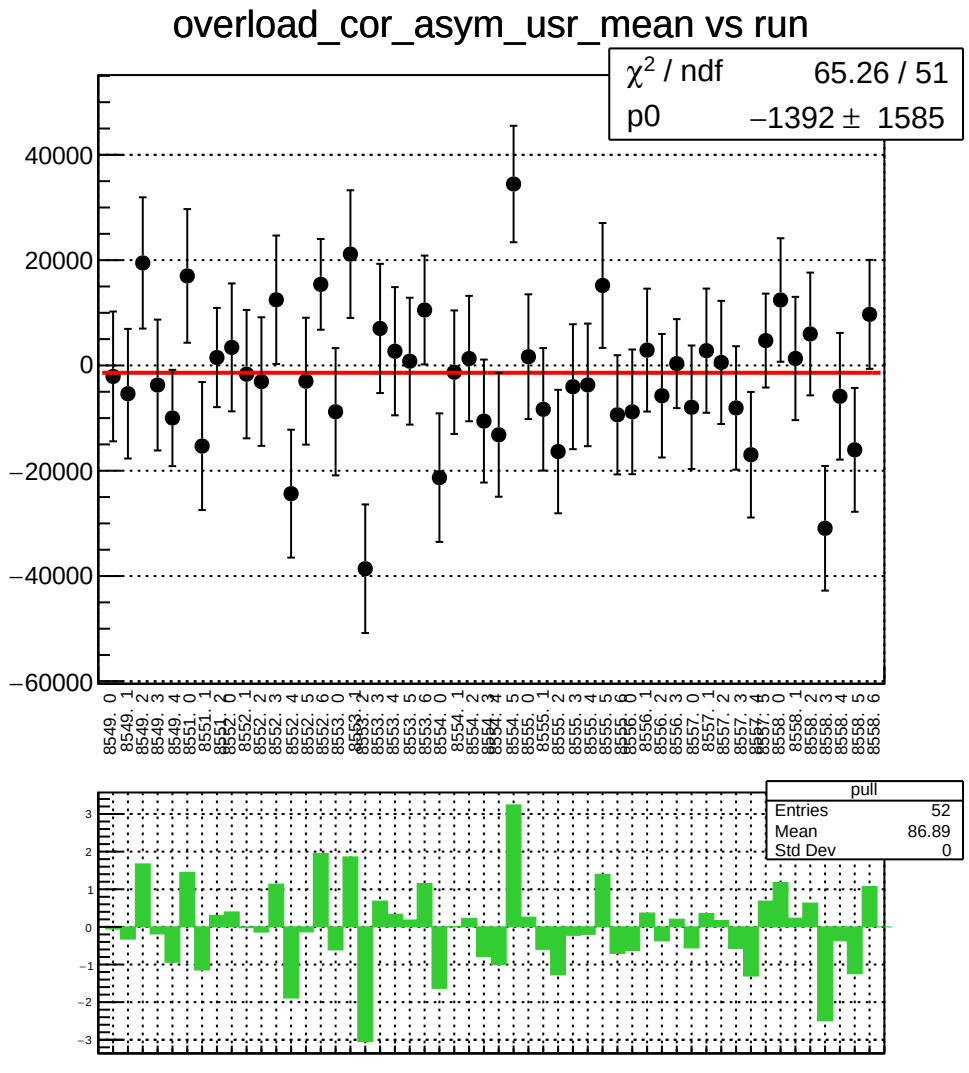

pull1D
Entries 52
Mean −0.02421
Std Dev 1.121
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

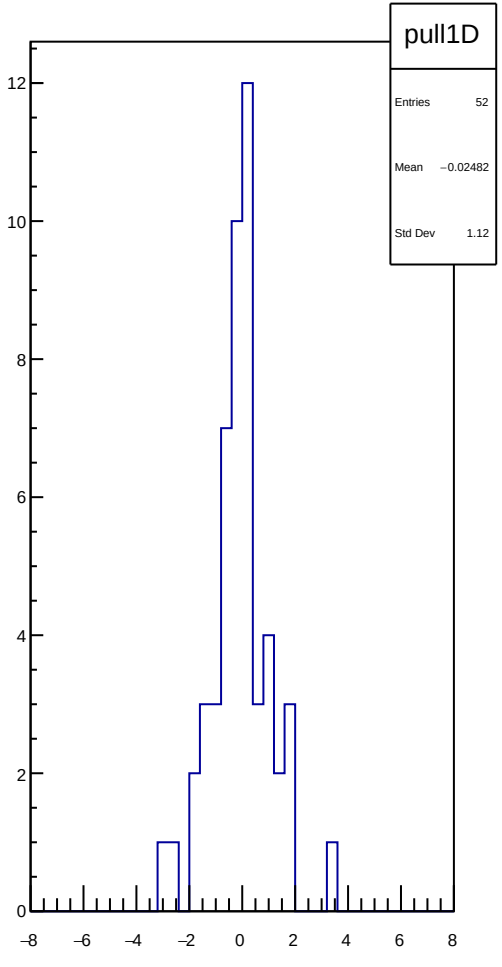

cor_asym_usr_rms vs run
χ² / ndf 473.9 / 51
p0 1137 ± 1.122
1220
1200
1180
1160
1140
1120
1100
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

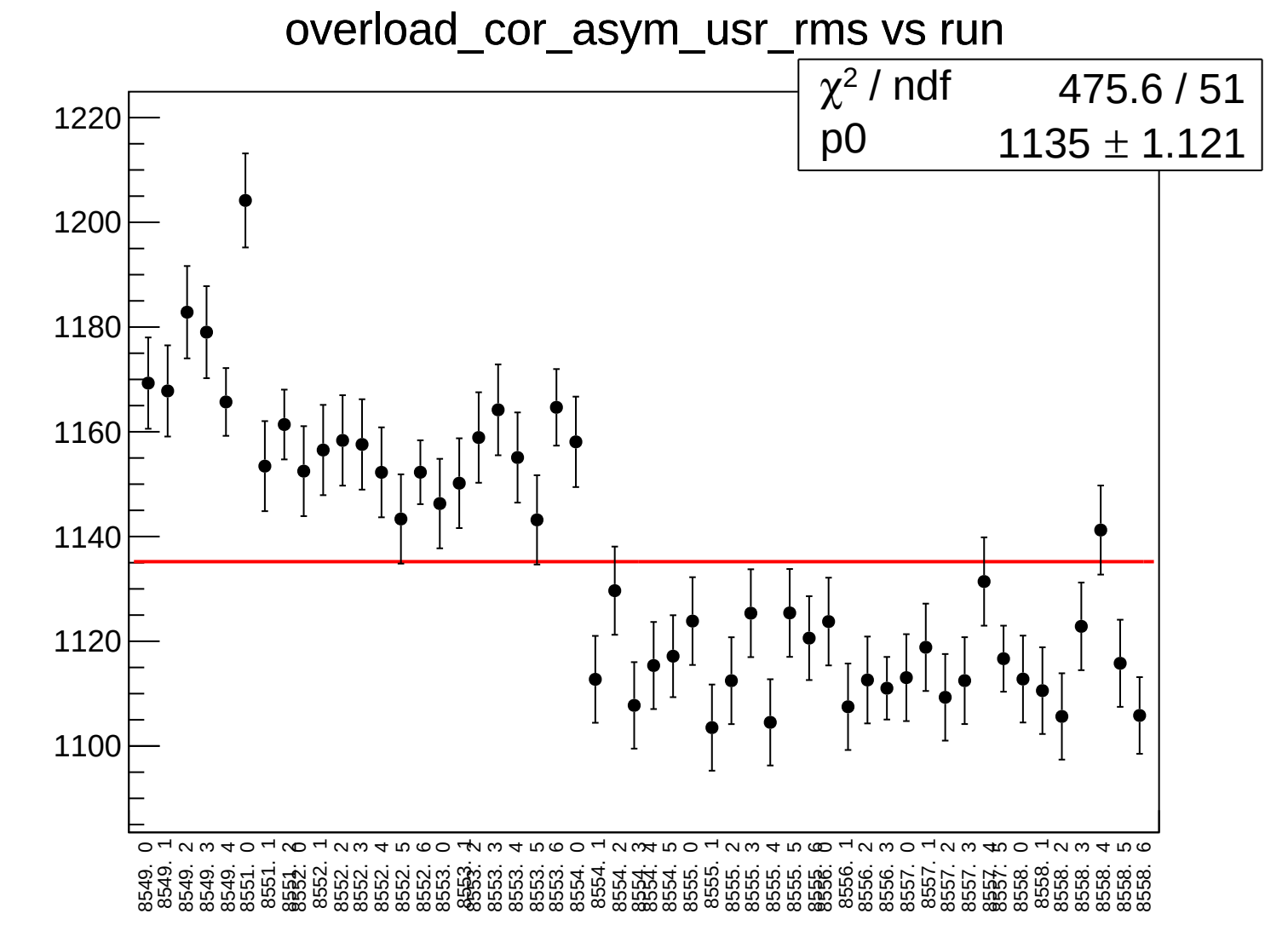

asym_usr_cor_correction_mean vs run
×10^3
χ² / ndf 52.67 / 51
p0 2638 ± 3644
100
50
0
−50
−100
pull
Entries 52
Mean −7.407
Std Dev 0
2
1
0
−1
−2
−3

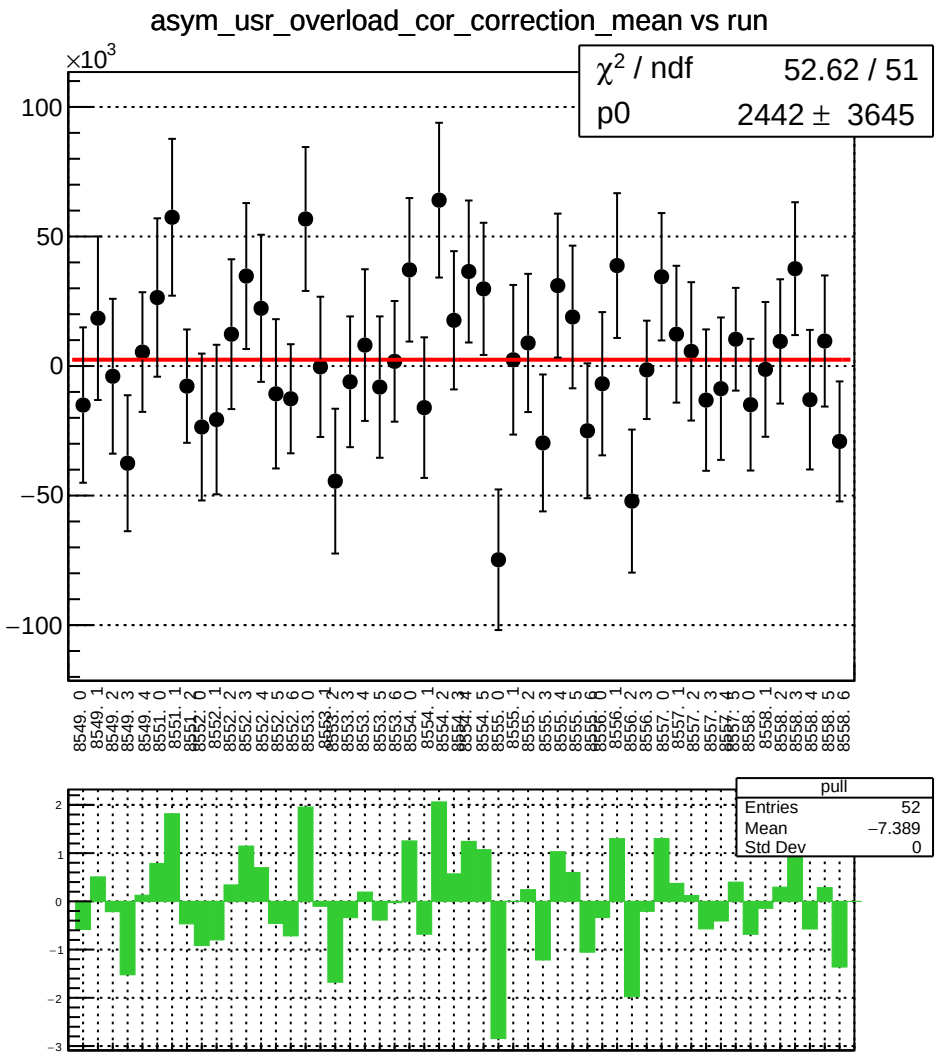

pull1D
Entries 52
Mean 0.01619
Std Dev 1.006
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

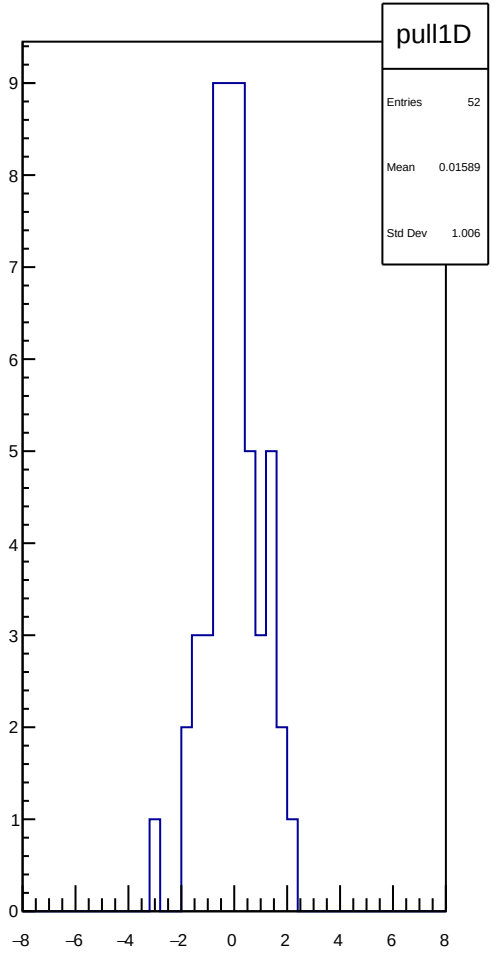

asym_usr_cor_correction_rms vs run
χ² / ndf 3509 / 51
p0 2606 ± 2.576
3000
2900
2800
2700
2600
2500
2400
2300
2200
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

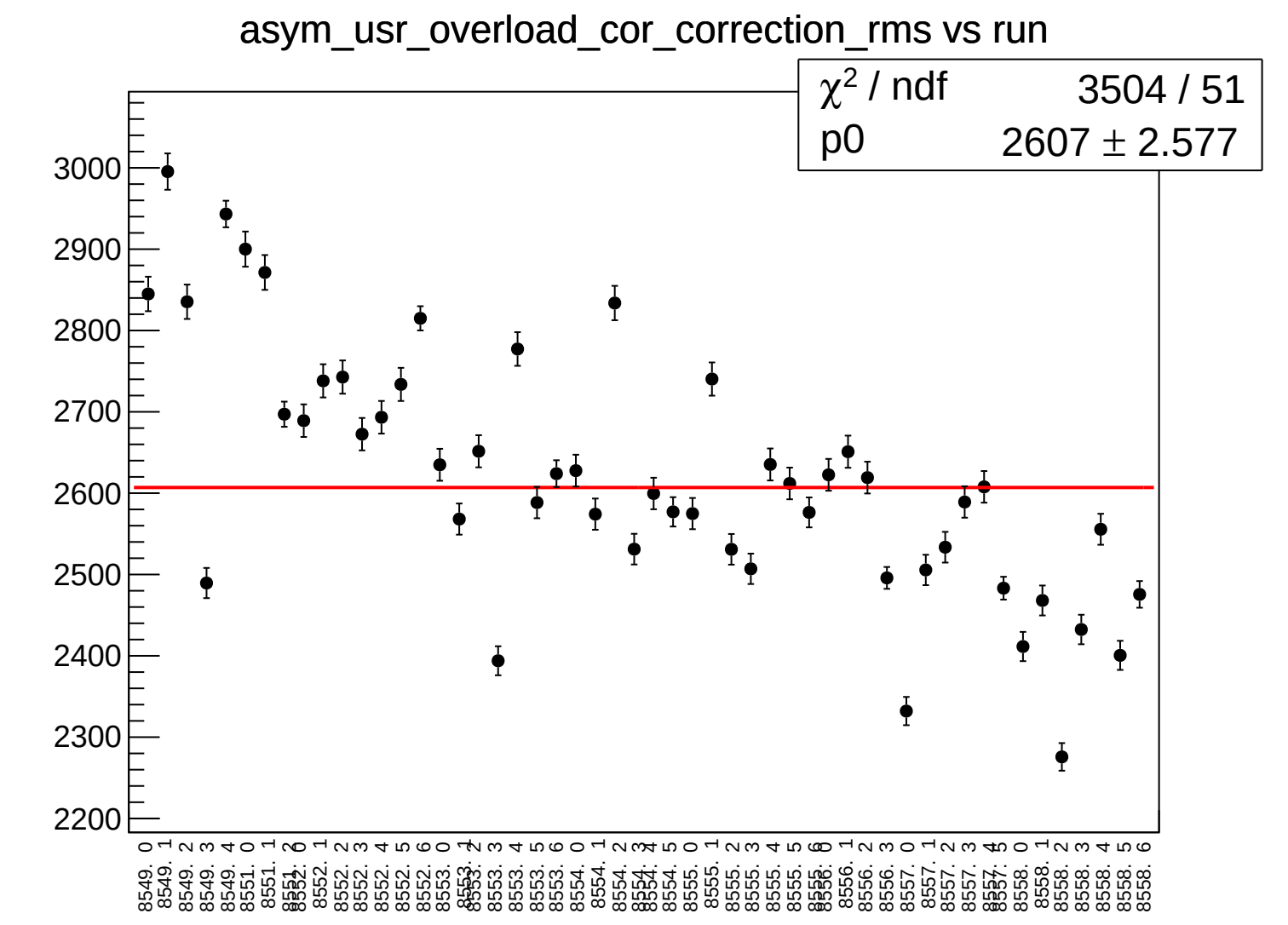

overload_cor_asym_usr_mean vs run
χ² / ndf 65.26 / 51
p0 −1392 ± 1585
40000
20000
0
−20000
−40000
−60000
pull
Entries 52
Mean 86.89
Std Dev 0
3
2
1
0
−1
−2
−3

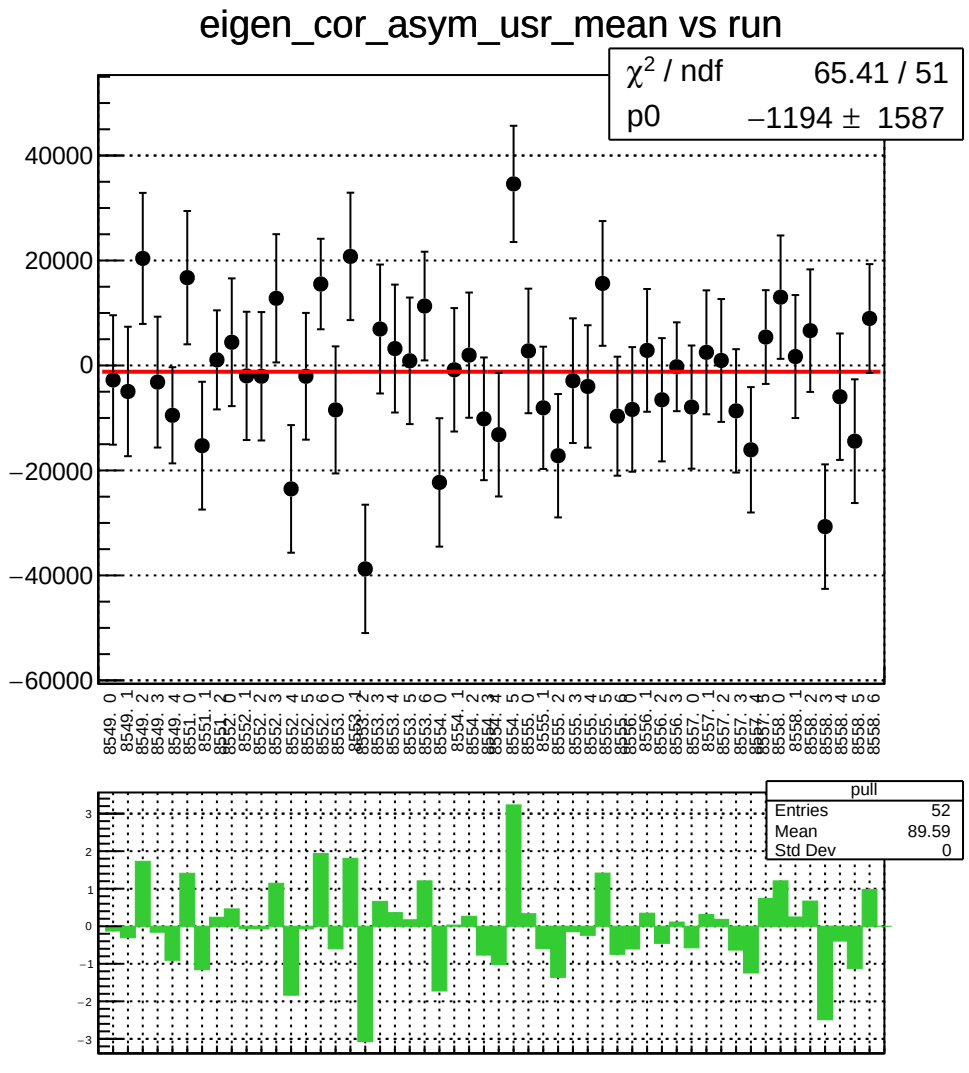

pull1D
Entries 52
Mean −0.02482
Std Dev 1.12
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

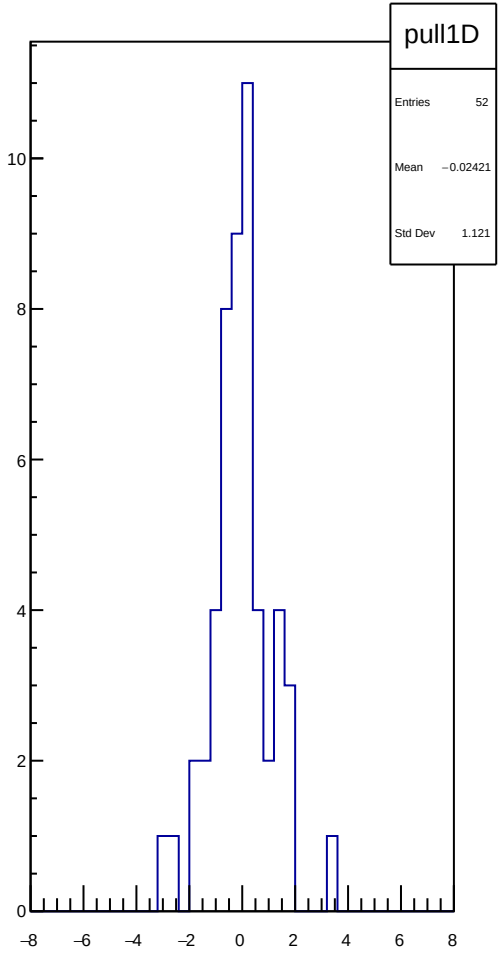

overload_cor_asym_usr_rms vs run
χ² / ndf 475.6 / 51
p0 1135 ± 1.121
1220
1200
1180
1160
1140
1120
1100
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 5
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

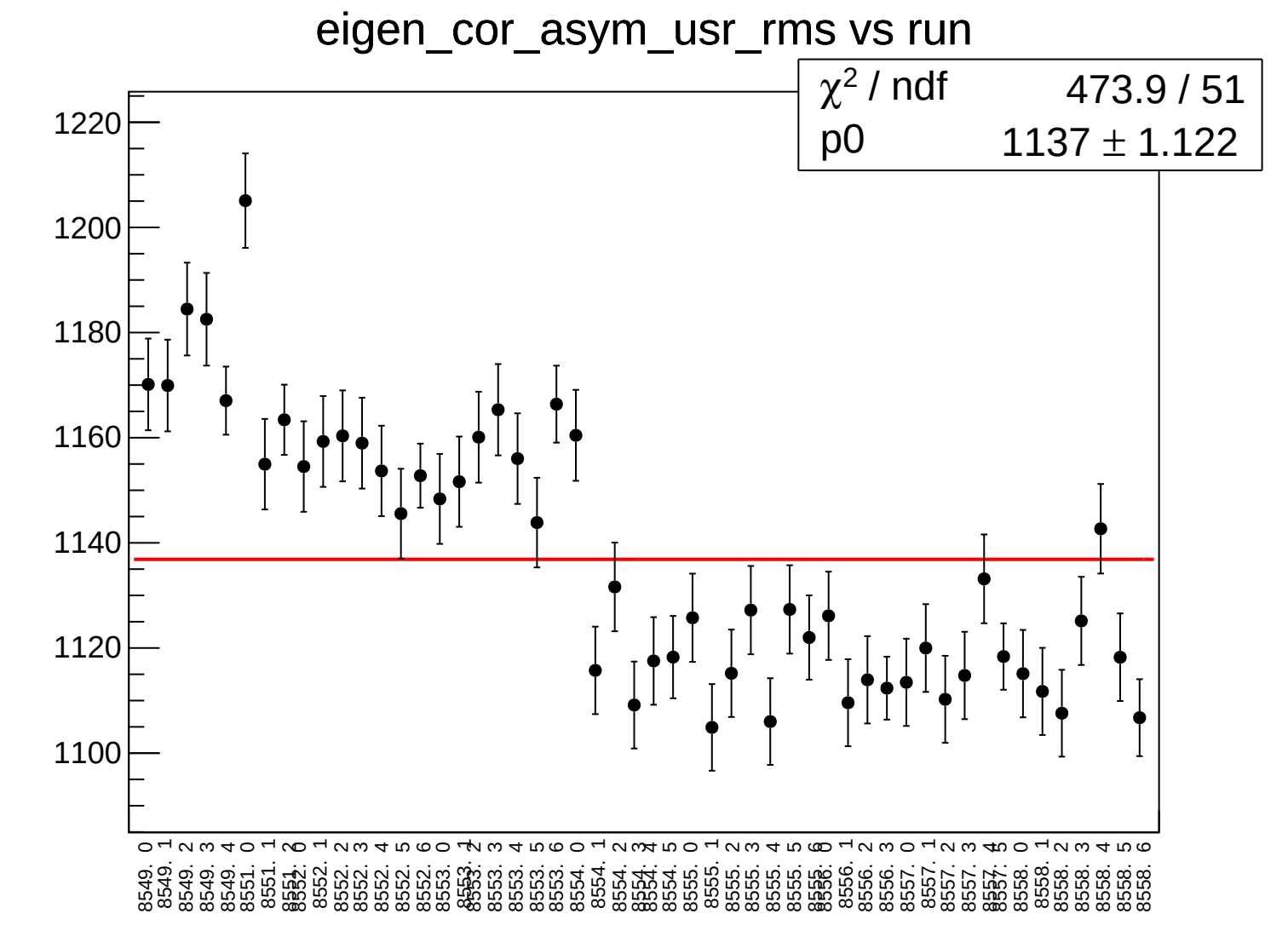

asym_usr_overload_cor_correction_mean vs run
×10^3
χ² / ndf 52.62 / 51
p0 2442 ± 3645
100
50
0
−50
−100
pull
Entries 52
Mean −7.389
Std Dev 0
2
1
0
−1
−2
−3

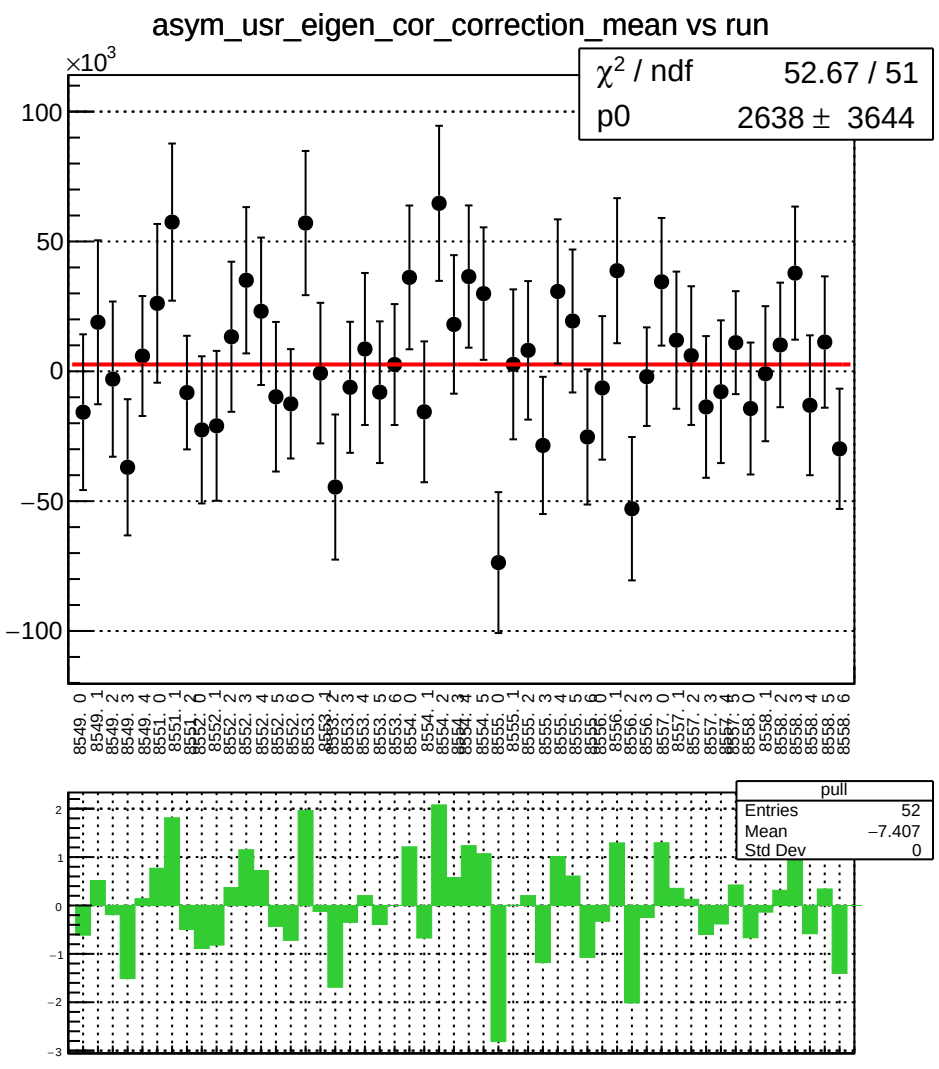

pull1D
Entries 52
Mean 0.01589
Std Dev 1.006
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

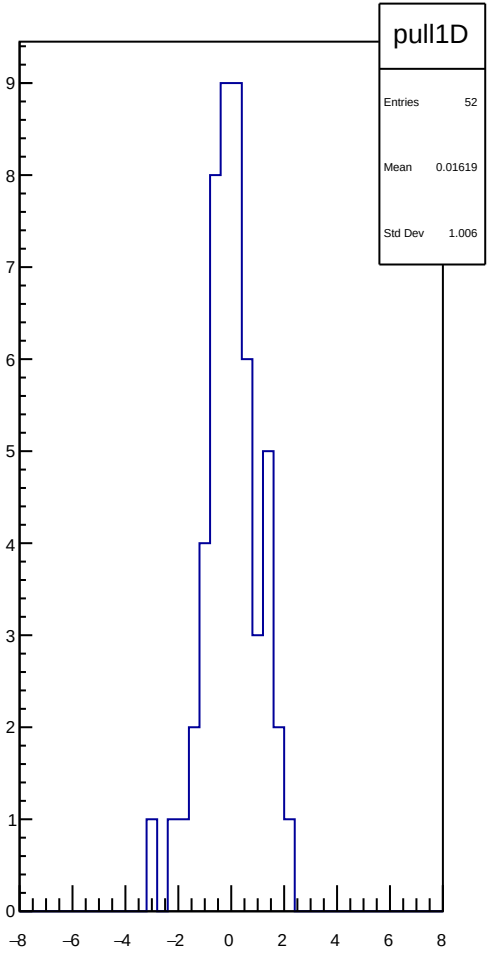

asym_usr_overload_cor_correction_rms vs run
χ² / ndf 3504 / 51
p0 2607 ± 2.577
3000
2900
2800
2700
2600
2500
2400
2300
2200
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

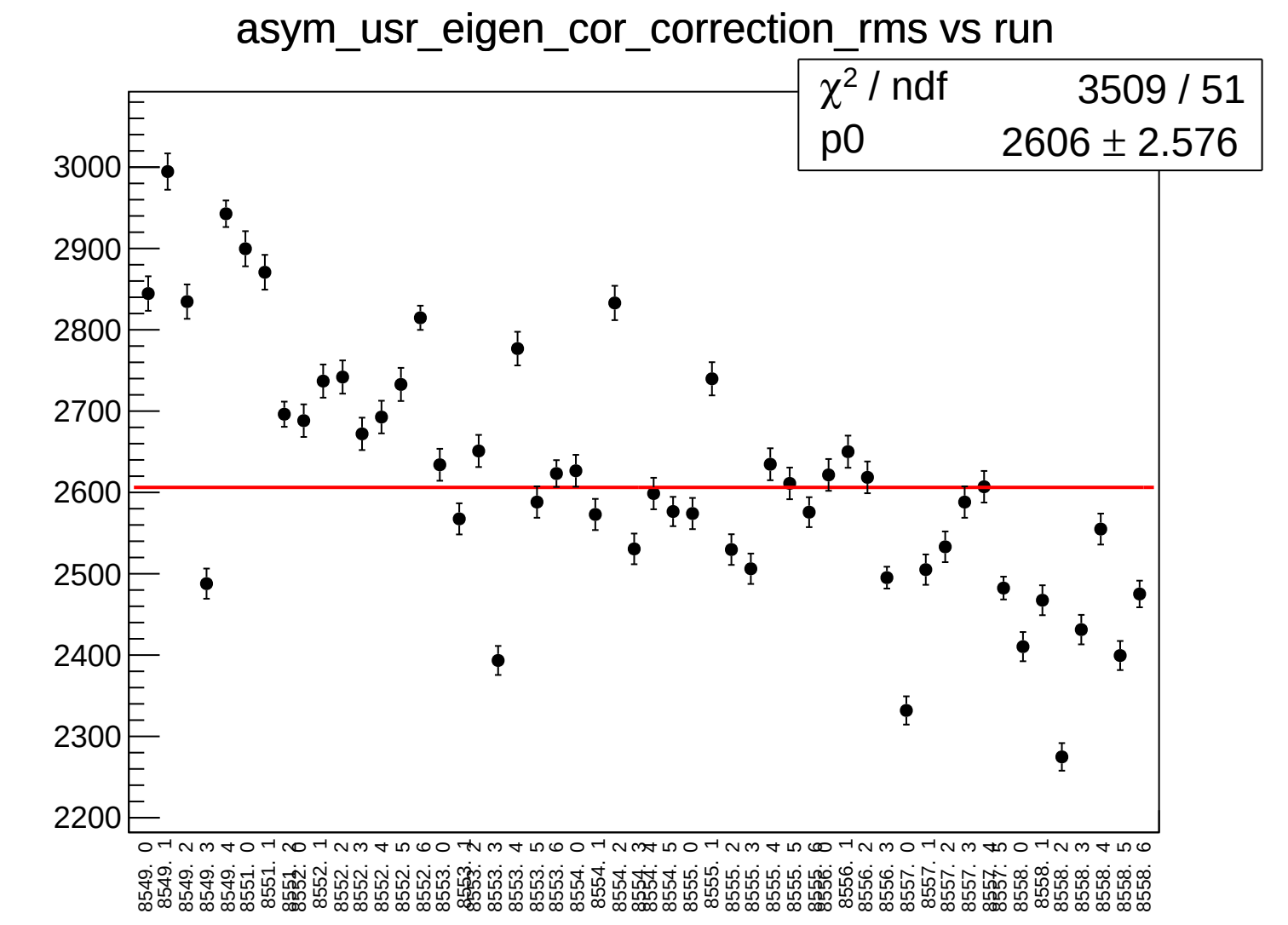

eigen_cor_asym_usr_mean vs run
χ² / ndf 65.41 / 51
p0 −1194 ± 1587
40000
20000
0
−20000
−40000
−60000
pull
Entries 52
Mean 89.59
Std Dev 0
3
2
1
0
−1
−2
−3


pull1D
Entries 52
Mean −0.02421
Std Dev 1.121
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


eigen_cor_asym_usr_rms vs run
χ² / ndf 473.9 / 51
p0 1137 ± 1.122
1220
1200
1180
1160
1140
1120
1100
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 5
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6


asym_usr_eigen_cor_correction_mean vs run
×10^3
χ² / ndf 52.67 / 51
p0 2638 ± 3644
100
50
0
−50
−100
pull
Entries 52
Mean −7.407
Std Dev 0
2
1
0
−1
−2
−3


pull1D
Entries 52
Mean 0.01619
Std Dev 1.006
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 3509 / 51
p0 2606 ± 2.576
3000
2900
2800
2700
2600
2500
2400
2300
2200
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
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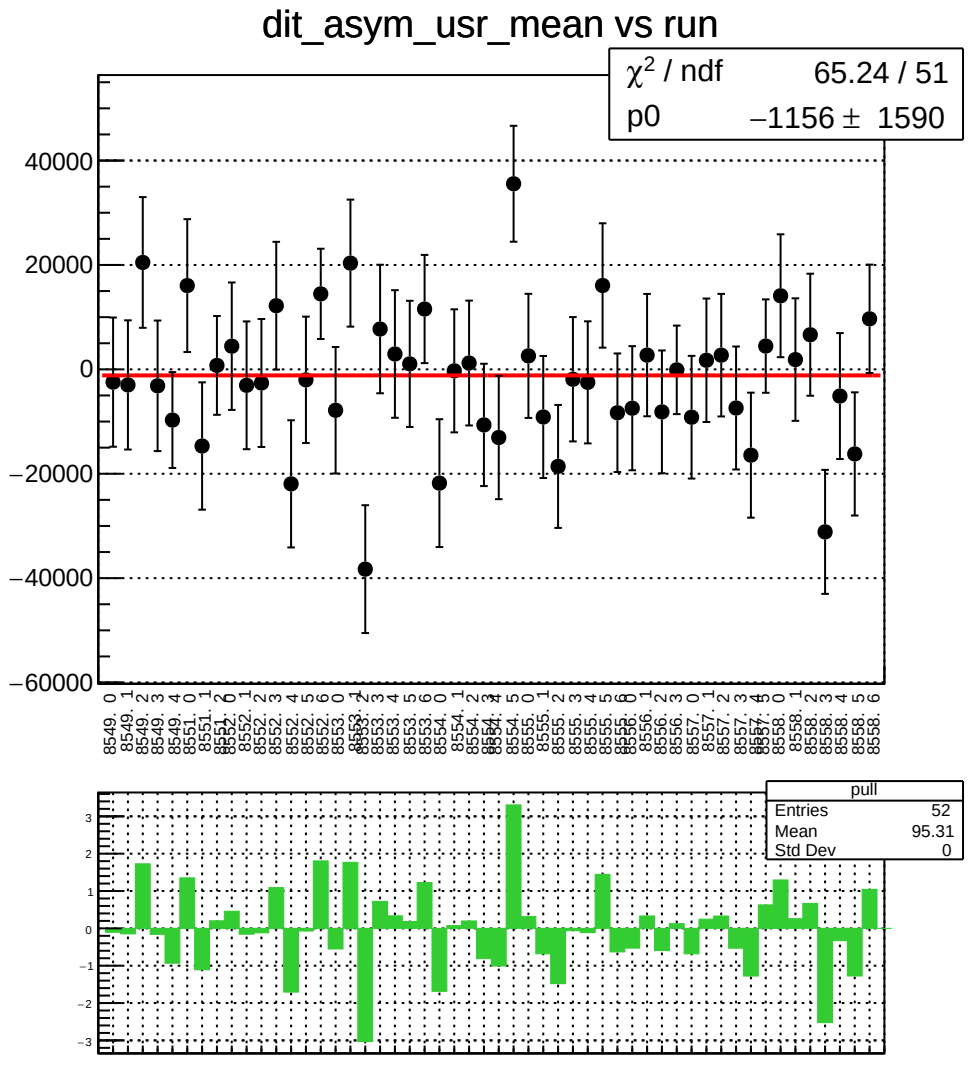
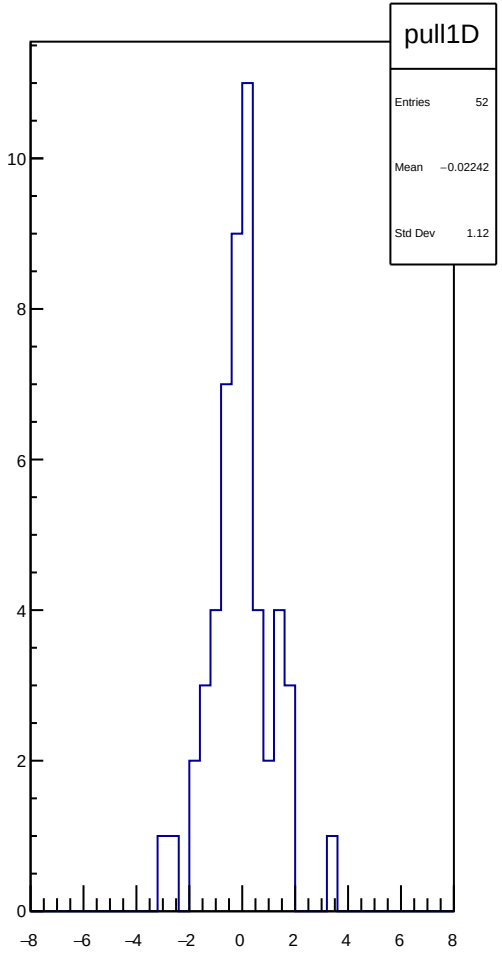
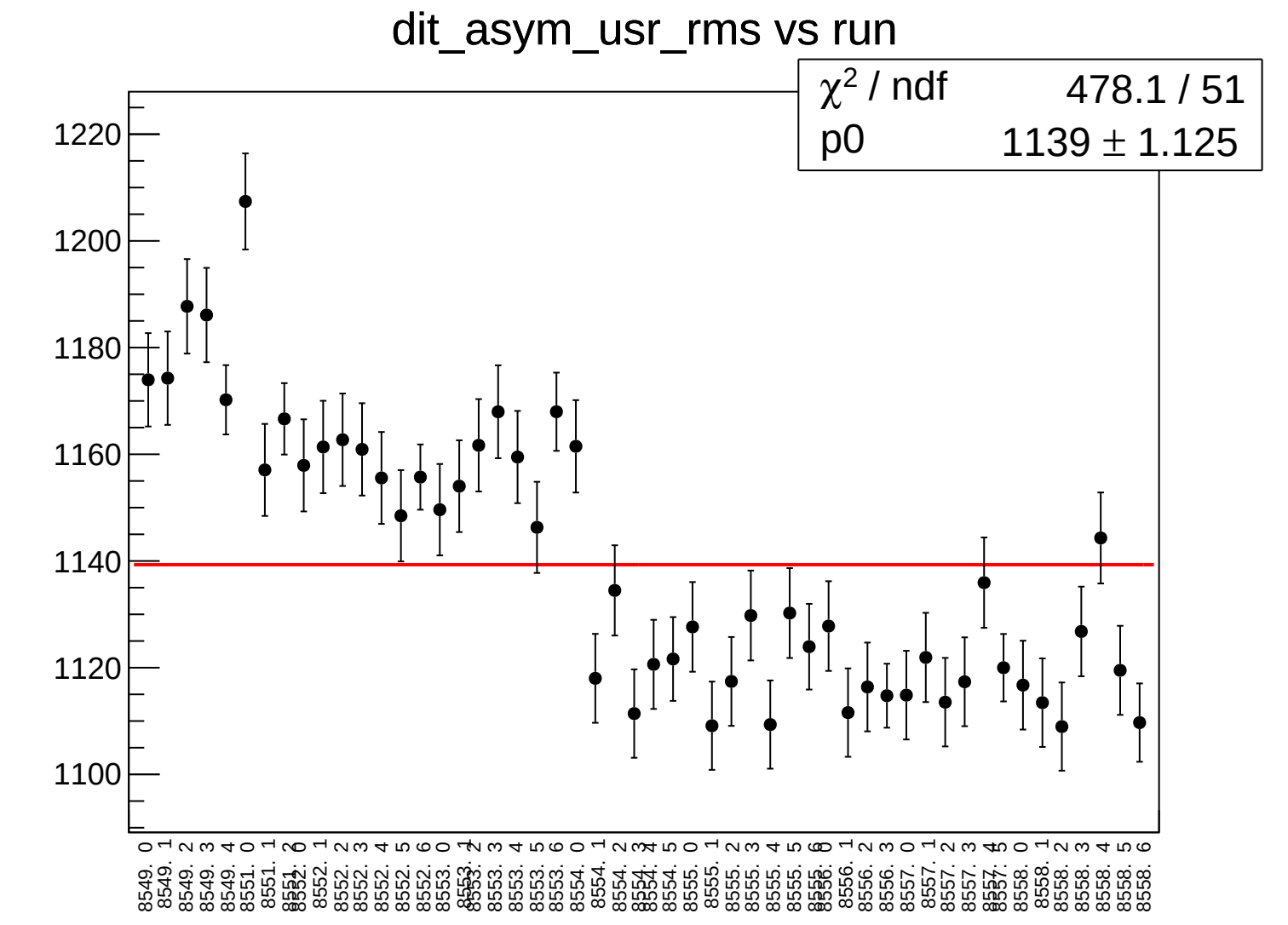
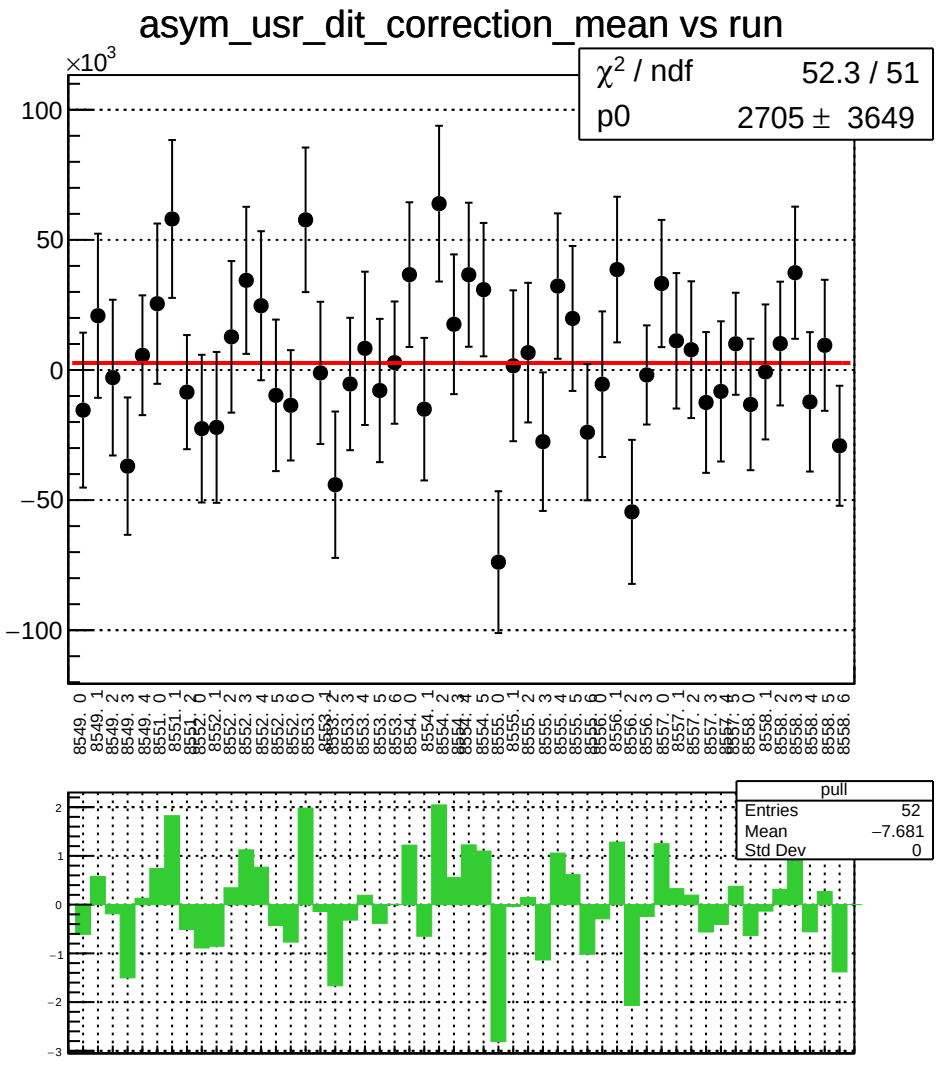
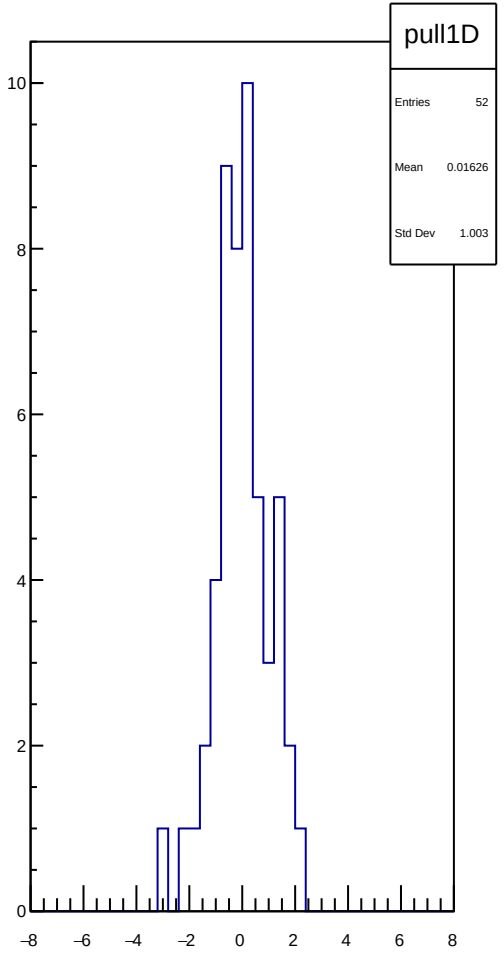
8558. 5
8558. 6

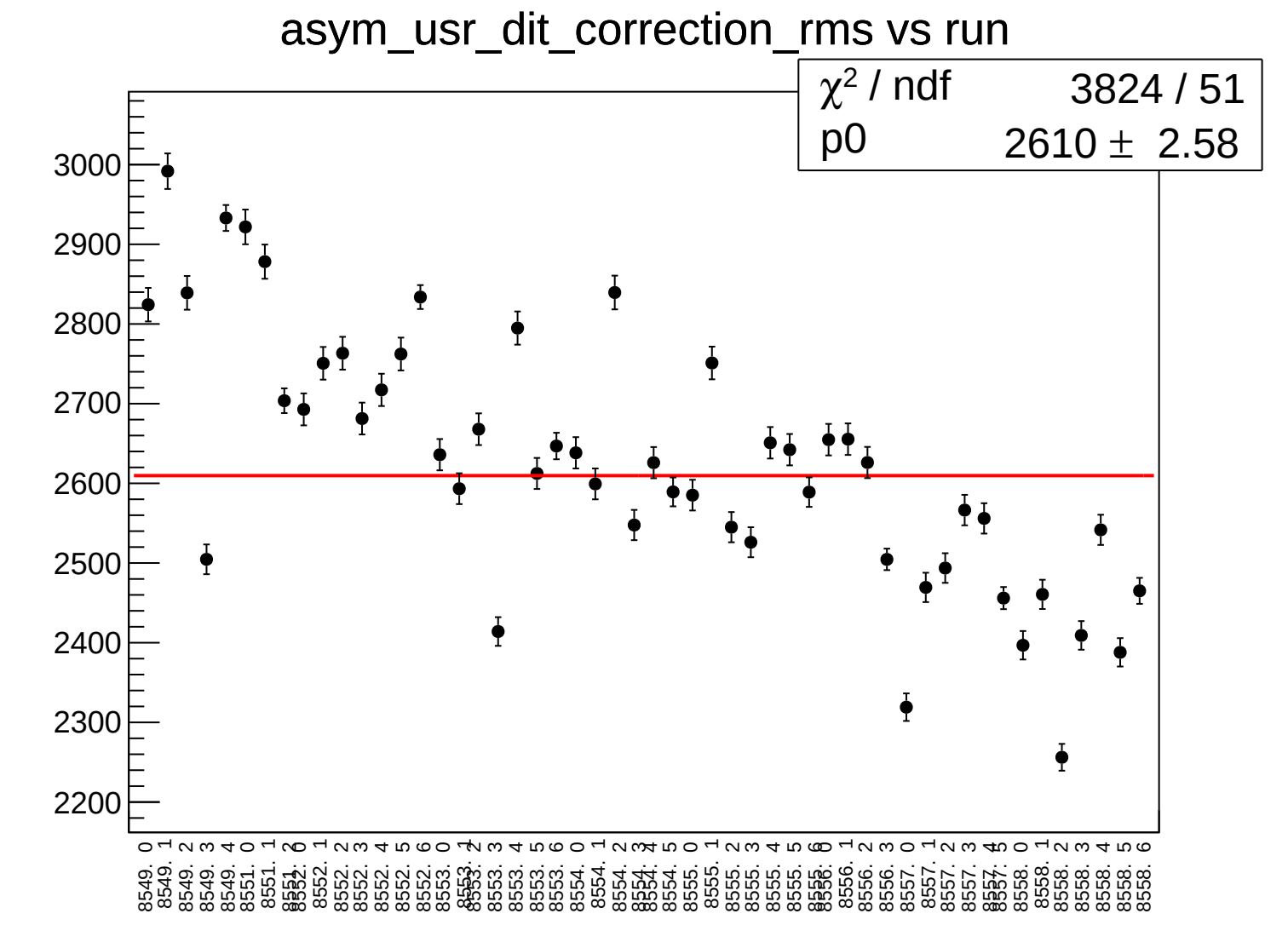

dit_asym_usr_mean vs run
χ² / ndf 65.24 / 51
p0 −1156 ± 1590
40000
20000
0
−20000
−40000
−60000
pull
Entries 52
Mean 95.31
Std Dev 0
3
2
1
0
−1
−2
−3

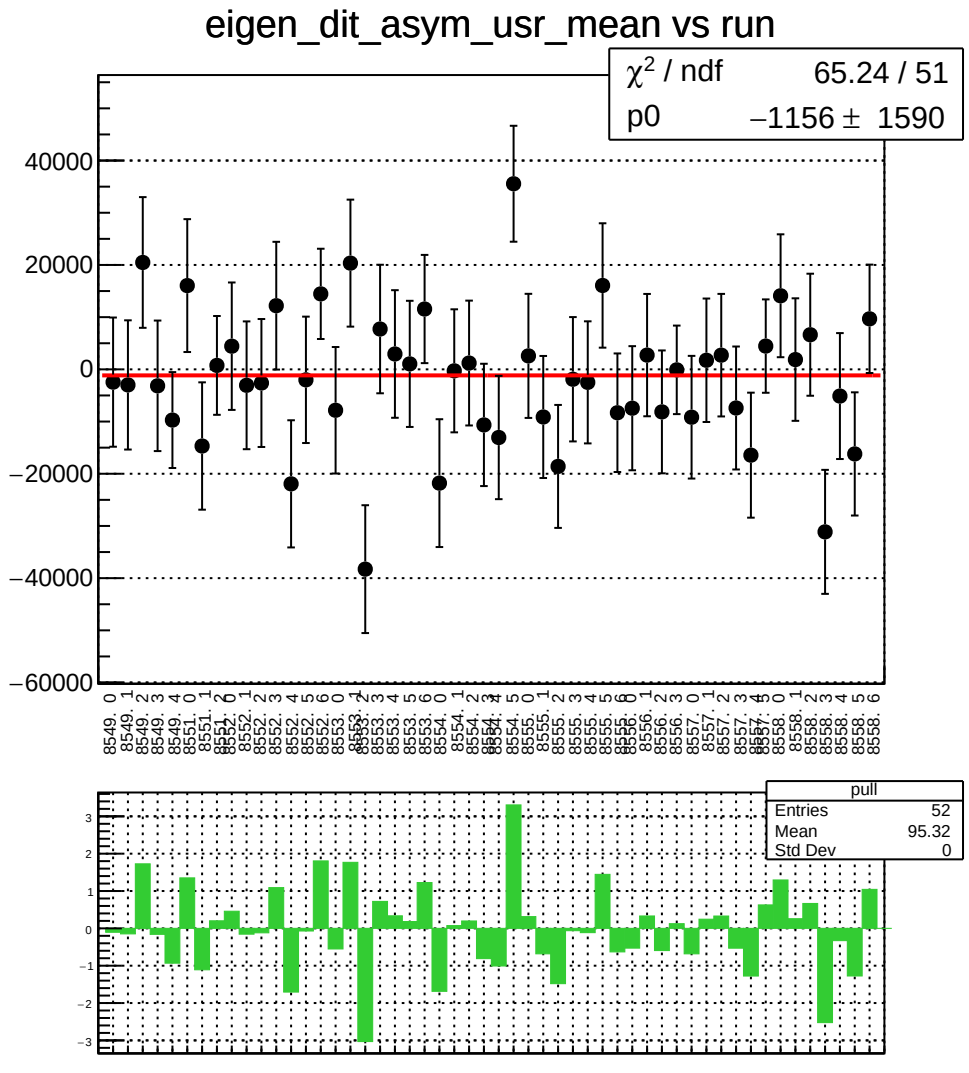

pull1D
Entries 52
Mean −0.02242
Std Dev 1.12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

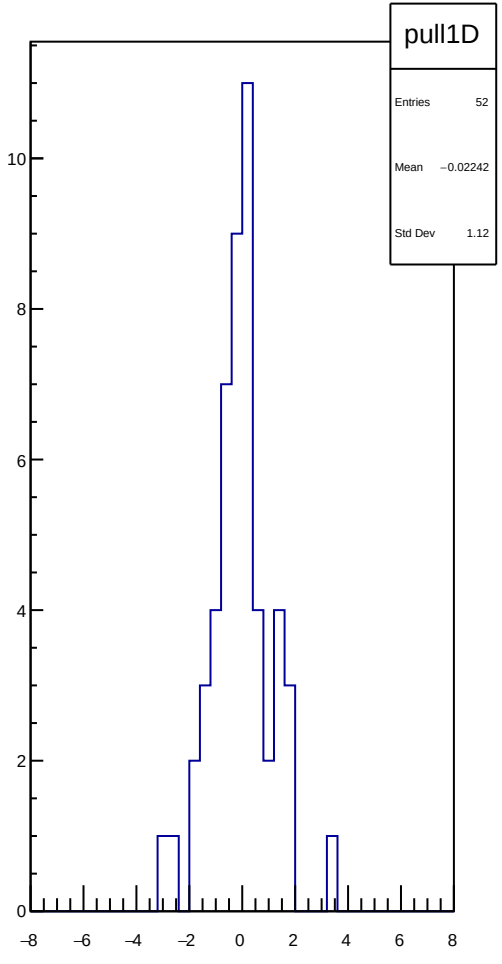

dit_asym_usr_rms vs run
χ² / ndf 478.1 / 51
p0 1139 ± 1.125
1220
1200
1180
1160
1140
1120
1100
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 5
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

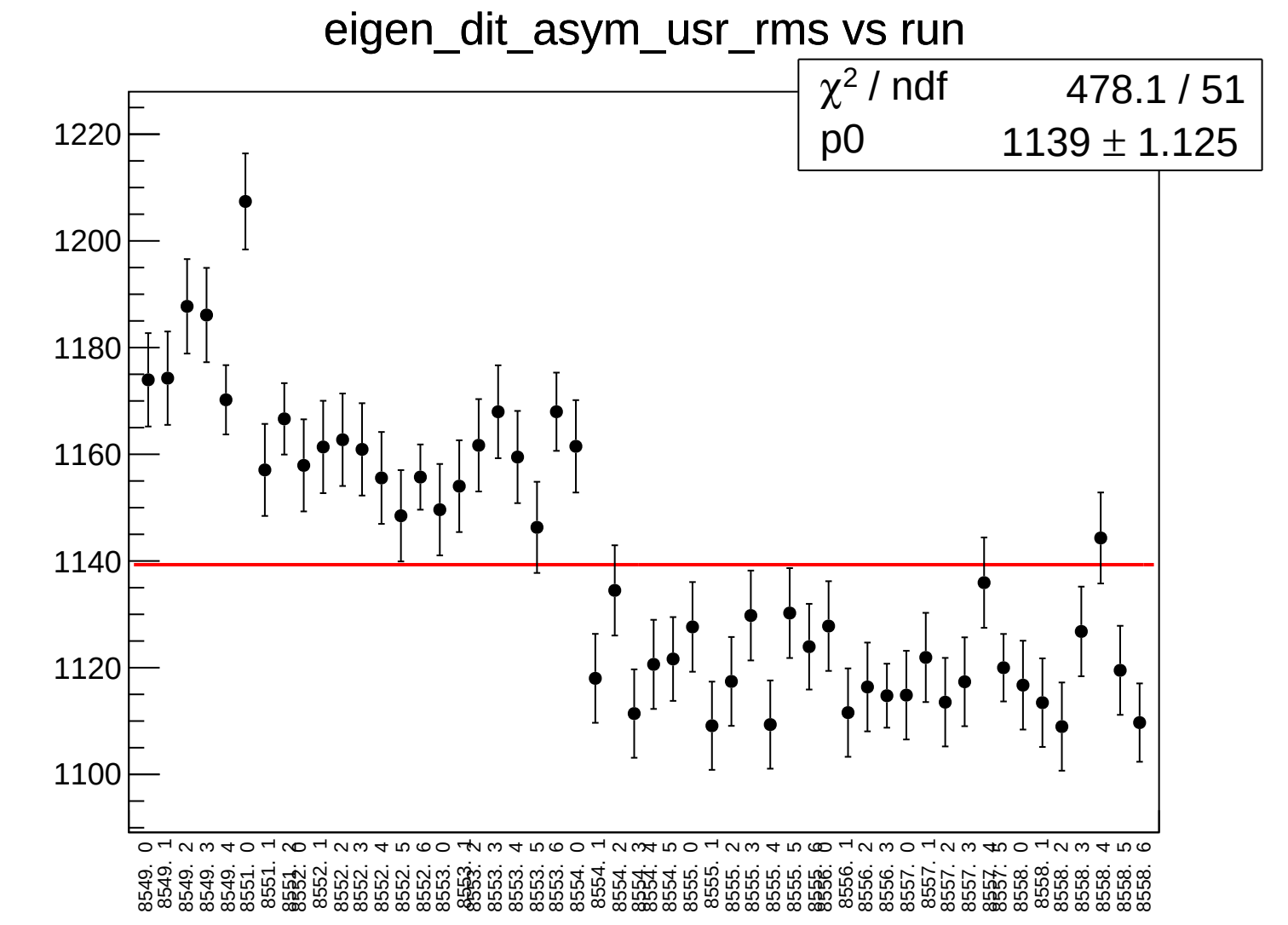

asym_usr_dit_correction_mean vs run
×10^3
χ² / ndf 52.3 / 51
p0 2705 ± 3649
100
50
0
−50
−100
pull
Entries 52
Mean −7.681
Std Dev 0
2
1
0
−1
−2
−3


pull1D
Entries 52
Mean 0.01626
Std Dev 1.003
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


asym_usr_dit_correction_rms vs run
χ² / ndf 3824 / 51
p0 2610 ± 2.58
3000
2900
2800
2700
2600
2500
2400
2300
2200
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 5
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6


eigen_dit_asym_usr_mean vs run
χ² / ndf 65.24 / 51
p0 −1156 ± 1590
40000
20000
0
−20000
−40000
−60000
pull
Entries 52
Mean 95.32
Std Dev 0
3
2
1
0
−1
−2
−3


pull1D
Entries 52
Mean −0.02242
Std Dev 1.12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


eigen_dit_asym_usr_rms vs run
χ^2 / ndf 478.1 / 51
p0 1139 ± 1.125
1220
1200
1180
1160
1140
1120
1100
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
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8554. 2
8554. 5
8555. 0
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8555. 2
8555. 3
8555. 4
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8556. 1
8556. 2
8556. 3
8557. 0
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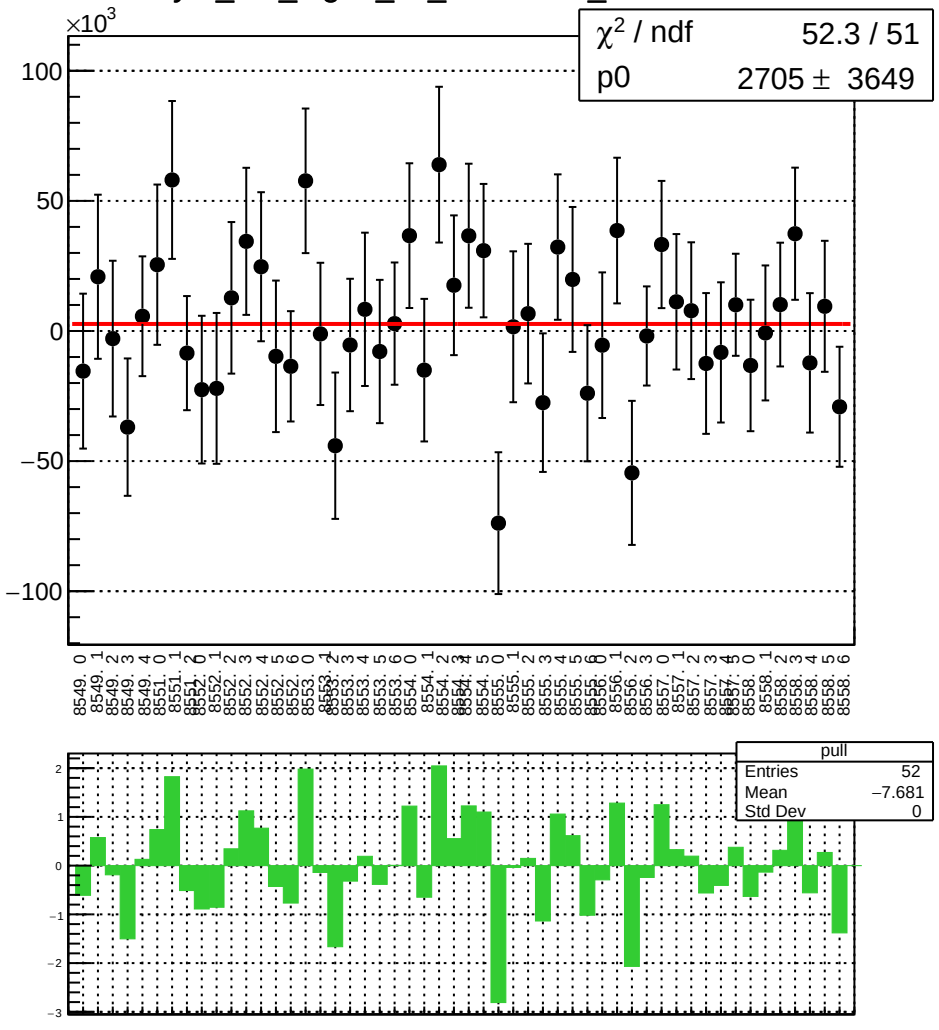
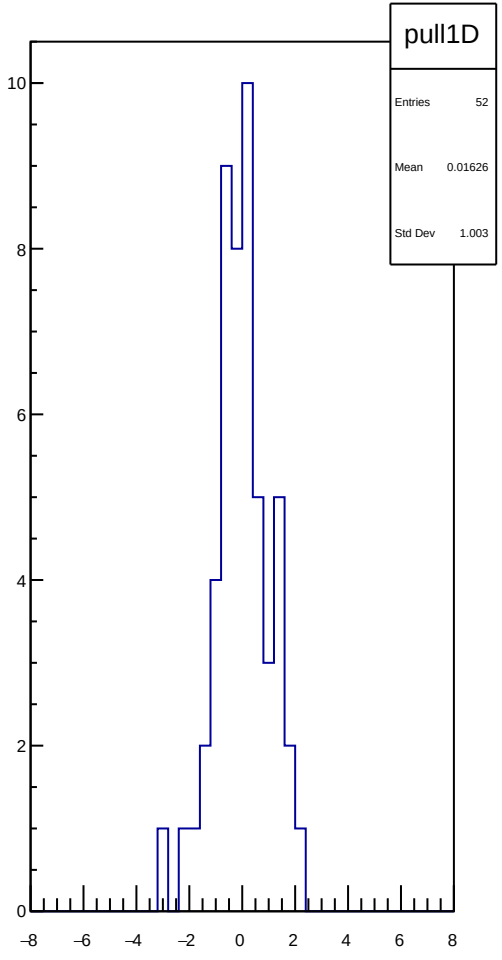
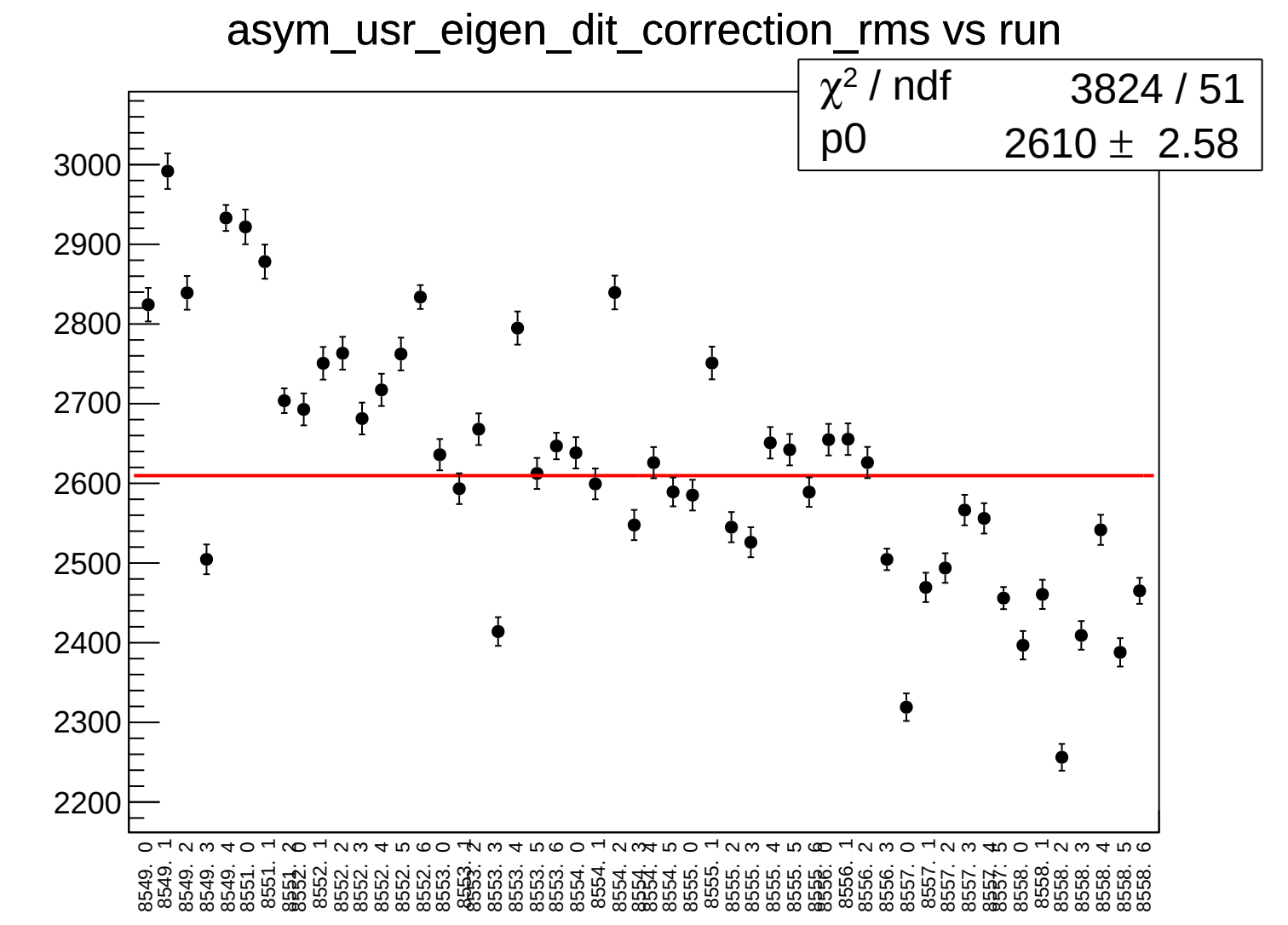
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6


asym_usr_eigen_dit_correction_mean vs run
×10^3
χ² / ndf 52.3 / 51
p0 2705 ± 3649
pull
Entries 52
Mean −7.681
Std Dev 0


pull1D
Entries 52
Mean 0.01626
Std Dev 1.003


asym_usr_eigen_dit_correction_rms vs run
χ² / ndf 3824 / 51
p0 2610 ± 2.58
3000
2900
2800
2700
2600
2500
2400
2300
2200
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
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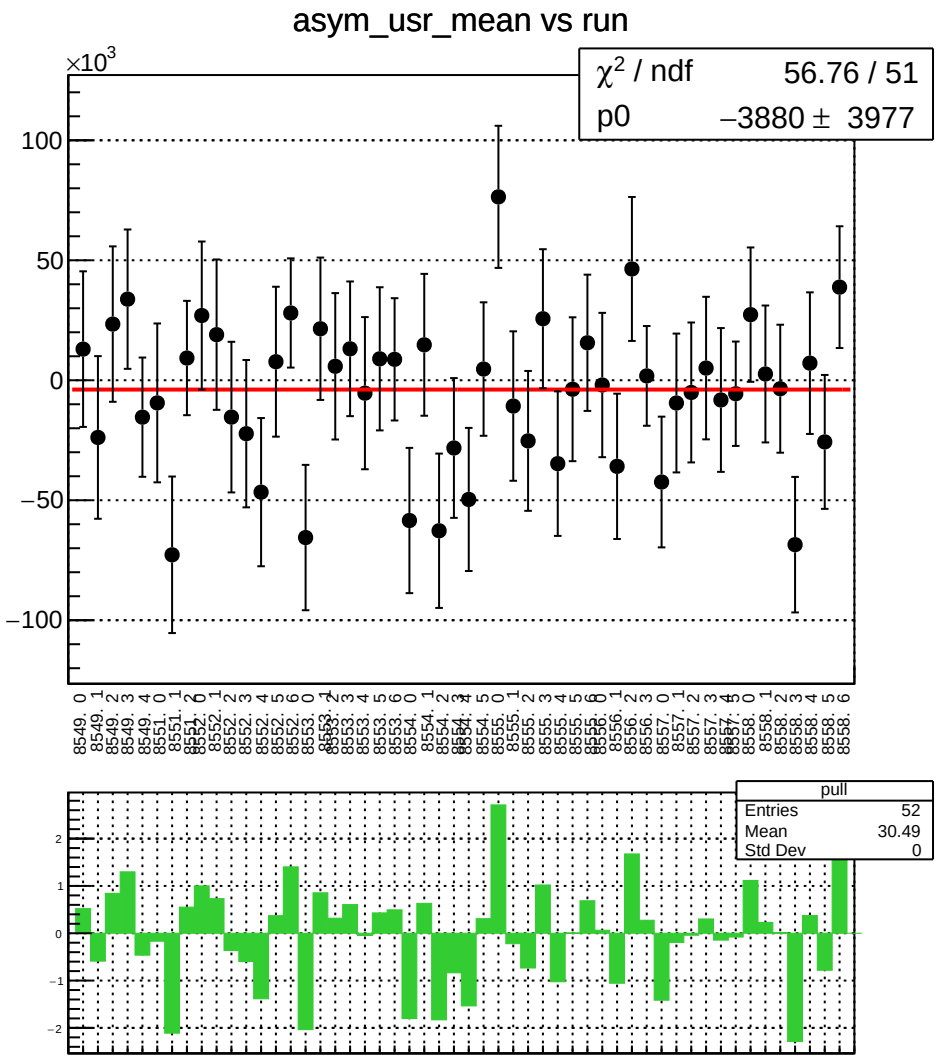
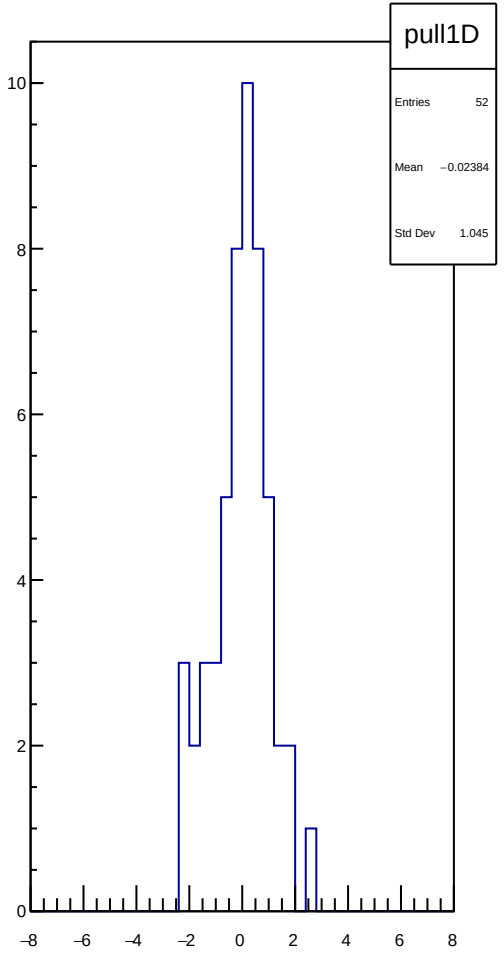
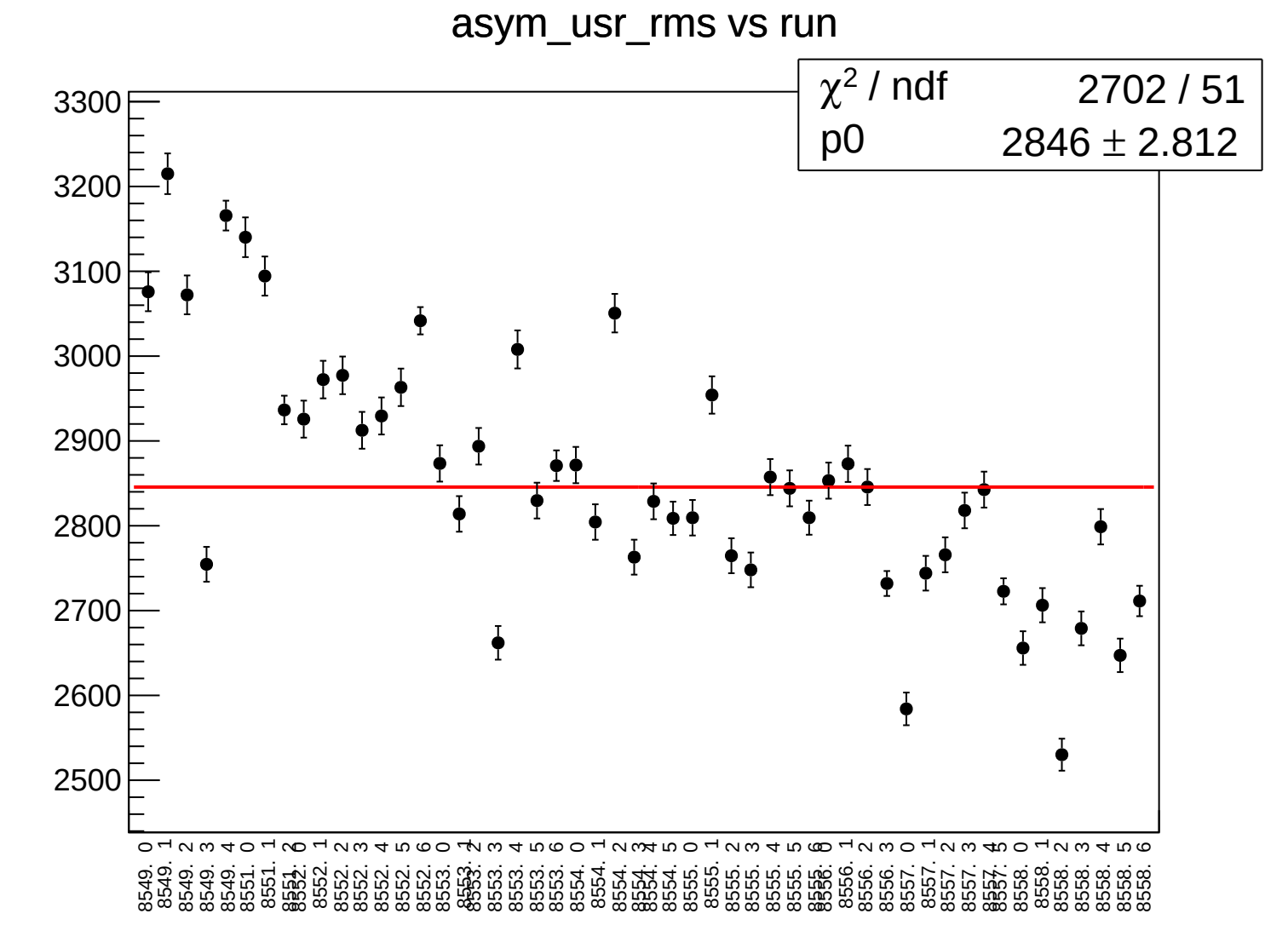
8558. 5
8558. 6


asym_usr_mean vs run
×10^3
χ² / ndf 56.76 / 51
p0 −3880 ± 3977
100
50
0
−50
−100
pull
Entries 52
Mean 30.49
Std Dev 0
2
1
0
−1
−2


pull1D
Entries 52
Mean −0.02384
Std Dev 1.045
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


asym_usr_rms vs run
χ² / ndf 2702 / 51
p0 2846 ± 2.812
3300
3200
3100
3000
2900
2800
2700
2600
2500
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
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8553. 6
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8554. 1
8554. 2
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8555. 1
8555. 2
8555. 3
8555. 4
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8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
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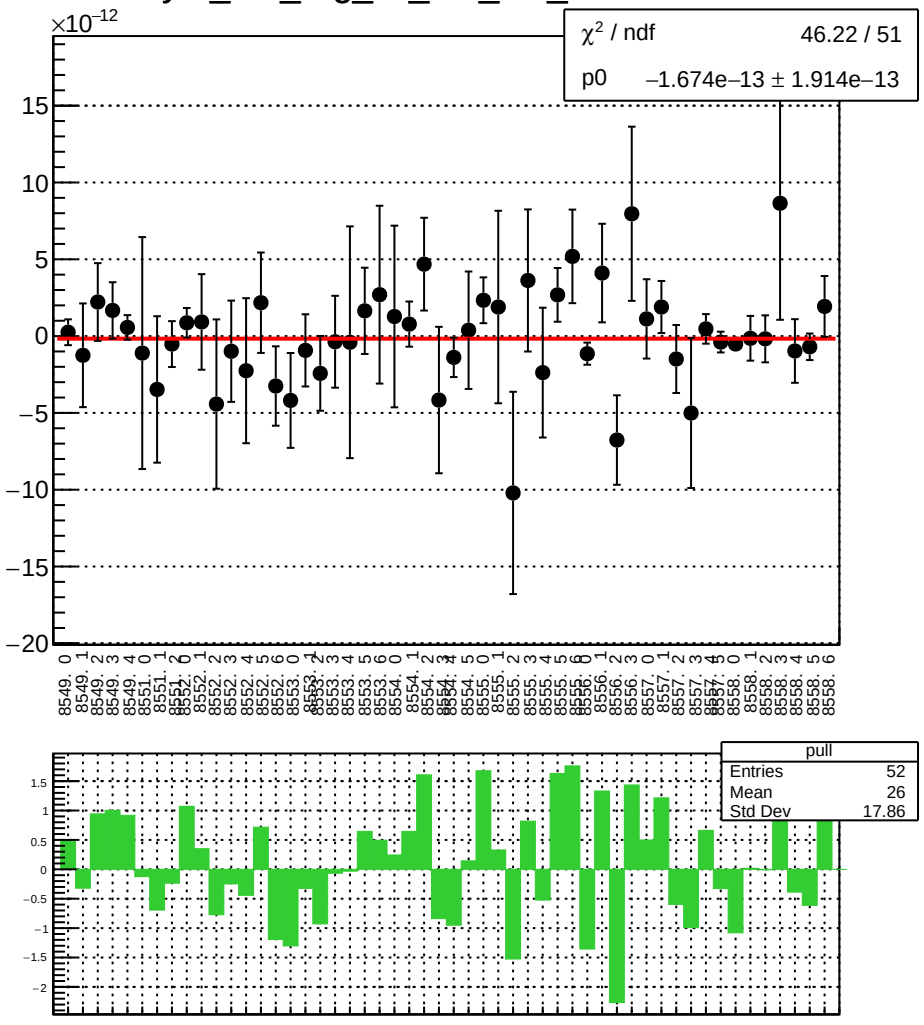
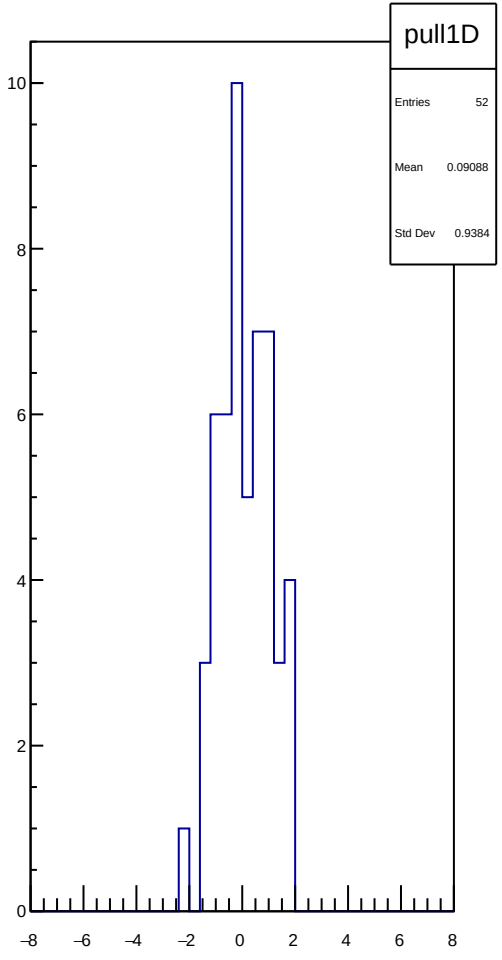
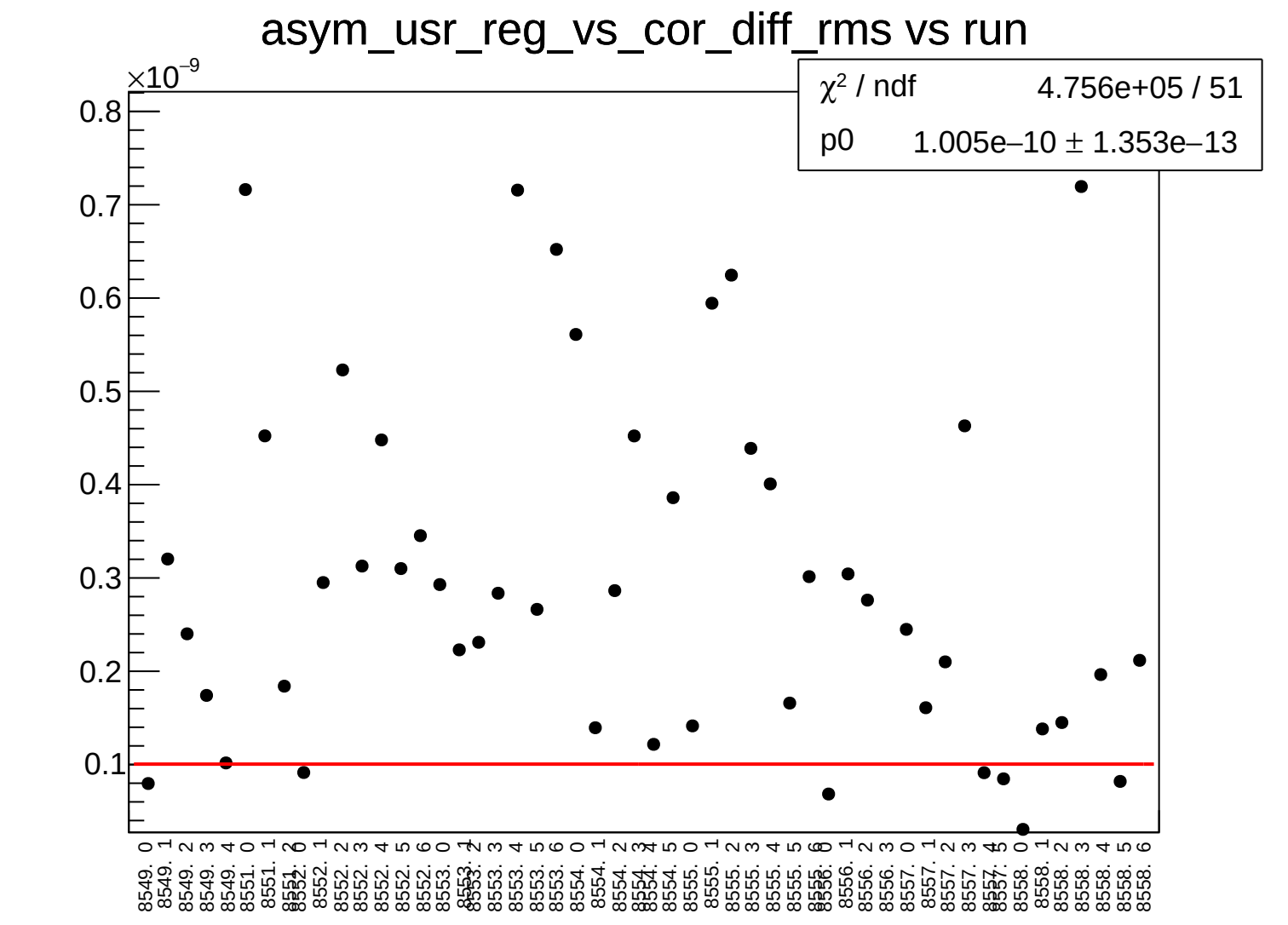
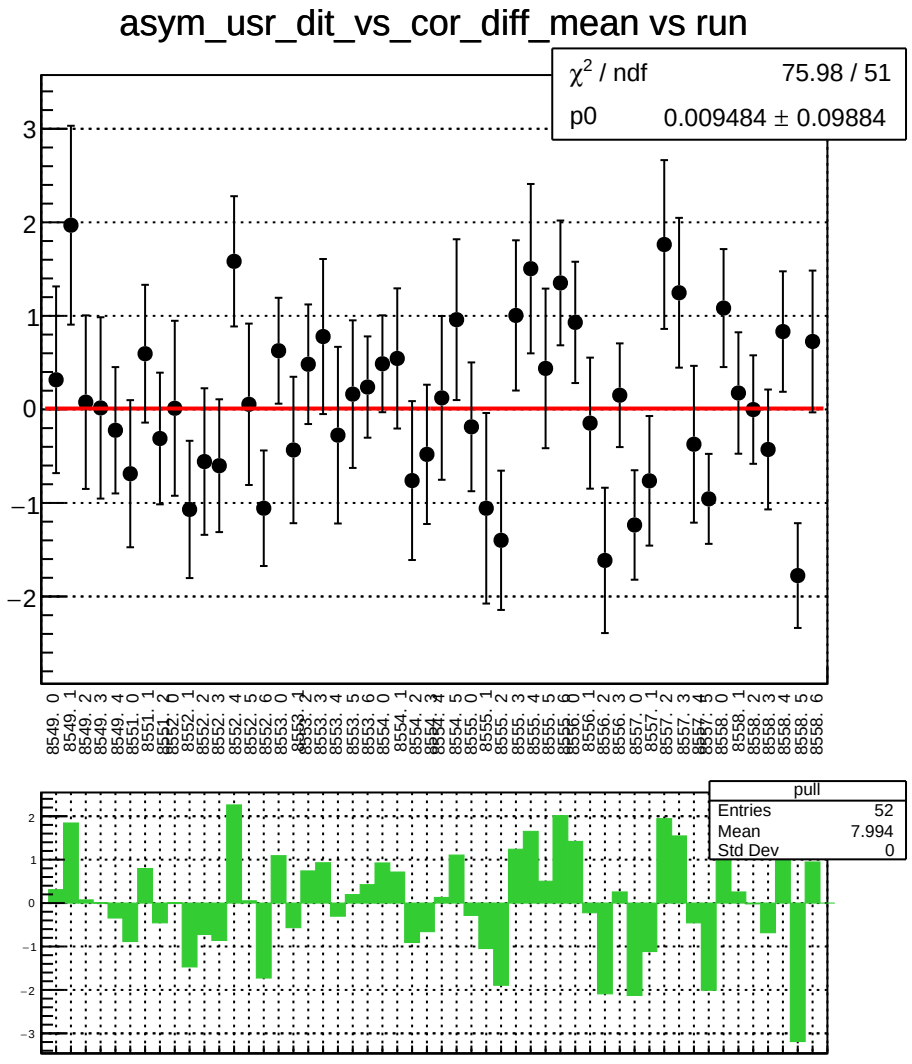
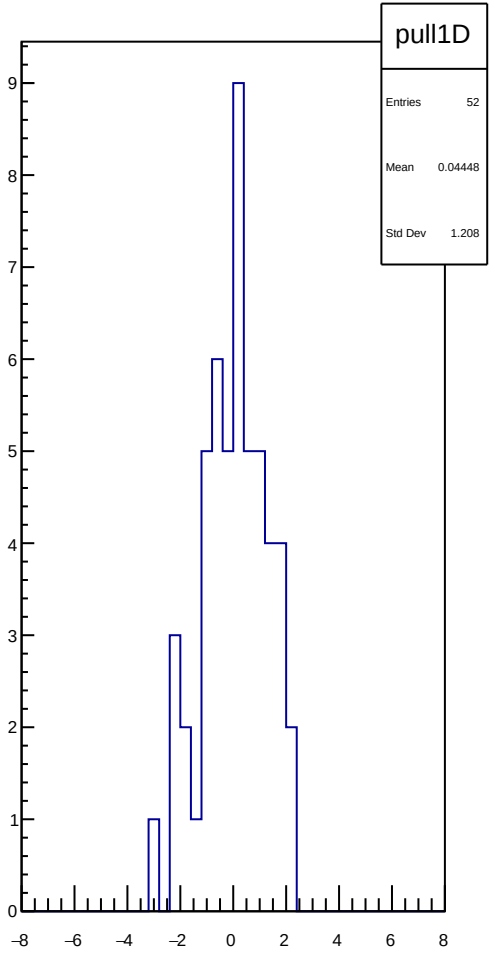
8558. 5
8558. 6

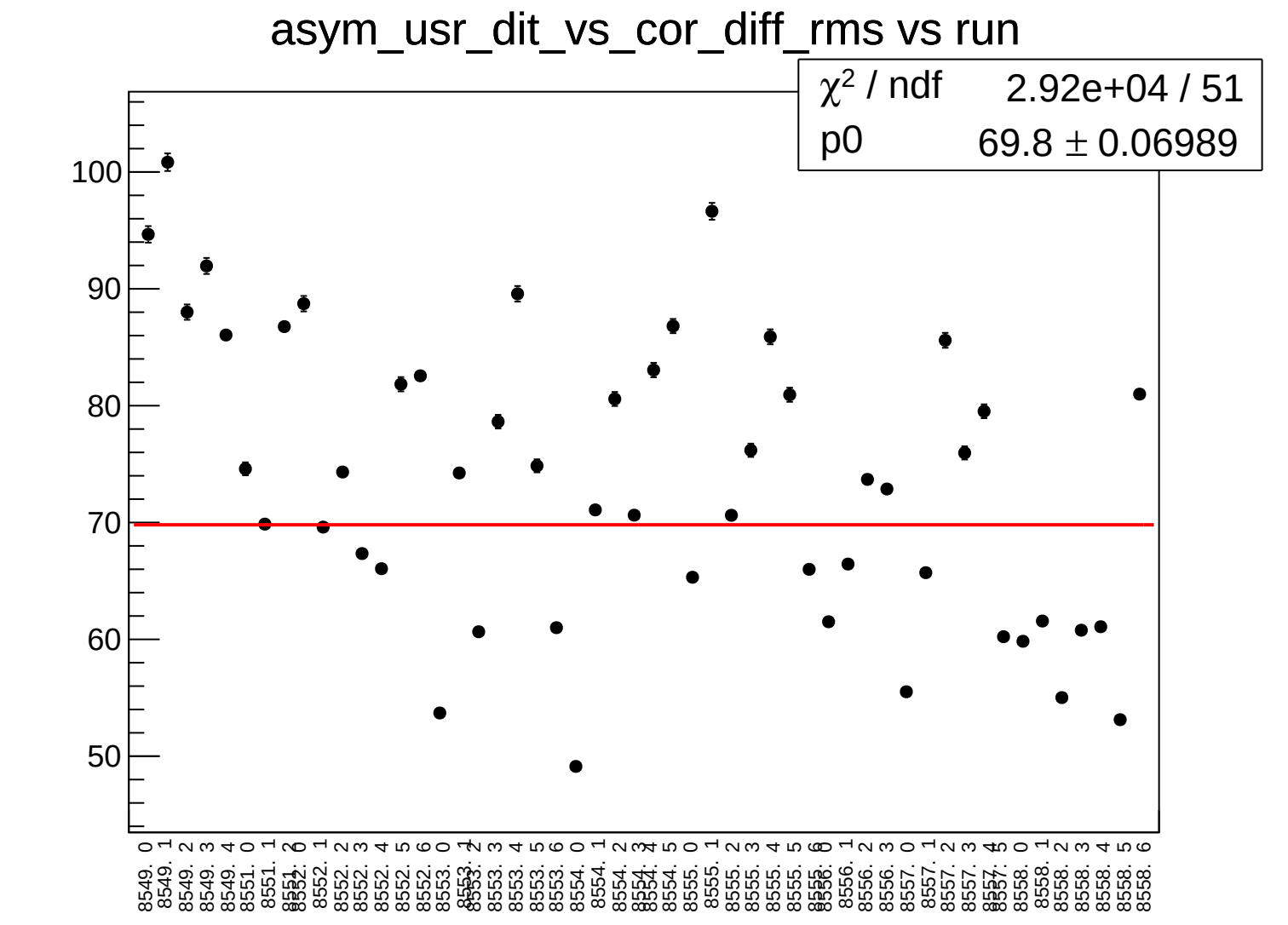

asym_usr_reg_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 46.22 / 51
p0 −1.674e−13 ± 1.914e−13
pull
Entries 52
Mean 26
Std Dev 17.86


pull1D
Entries 52
Mean 0.09088
Std Dev 0.9384


asym_usr_reg_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 4.756e+05 / 51
p0 1.005e−10 ± 1.353e−13
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 5
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6


asym_usr_dit_vs_cor_diff_mean vs run
χ² / ndf 75.98 / 51
p0 0.009484 ± 0.09884
pull
Entries 52
Mean 7.994
Std Dev 0


pull1D
Entries 52
Mean 0.04448
Std Dev 1.208


asym_usr_dit_vs_cor_diff_rms vs run
χ² / ndf 2.92e+04 / 51
p0 69.8 ± 0.06989
100
90
80
70
60
50
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
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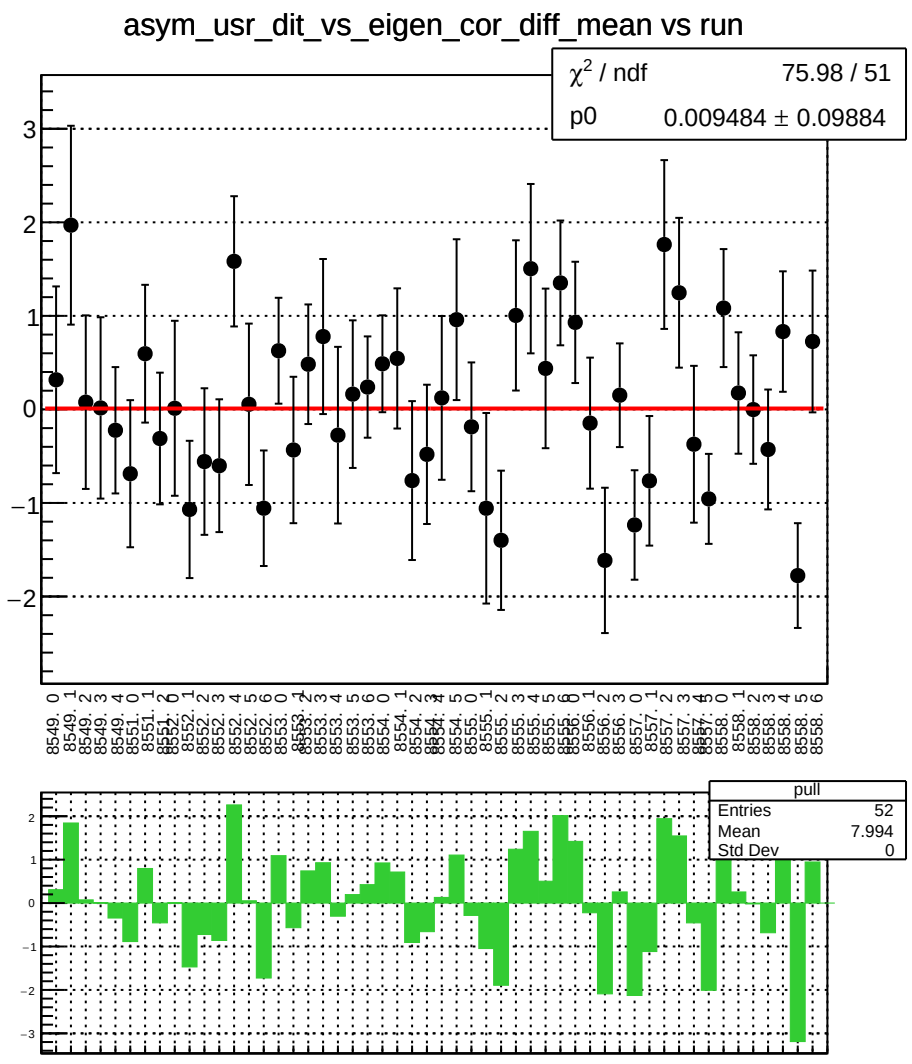
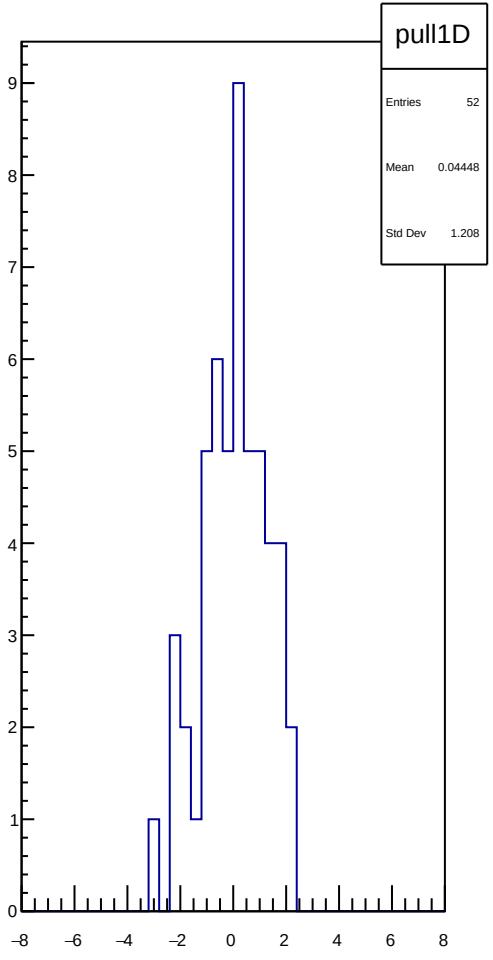
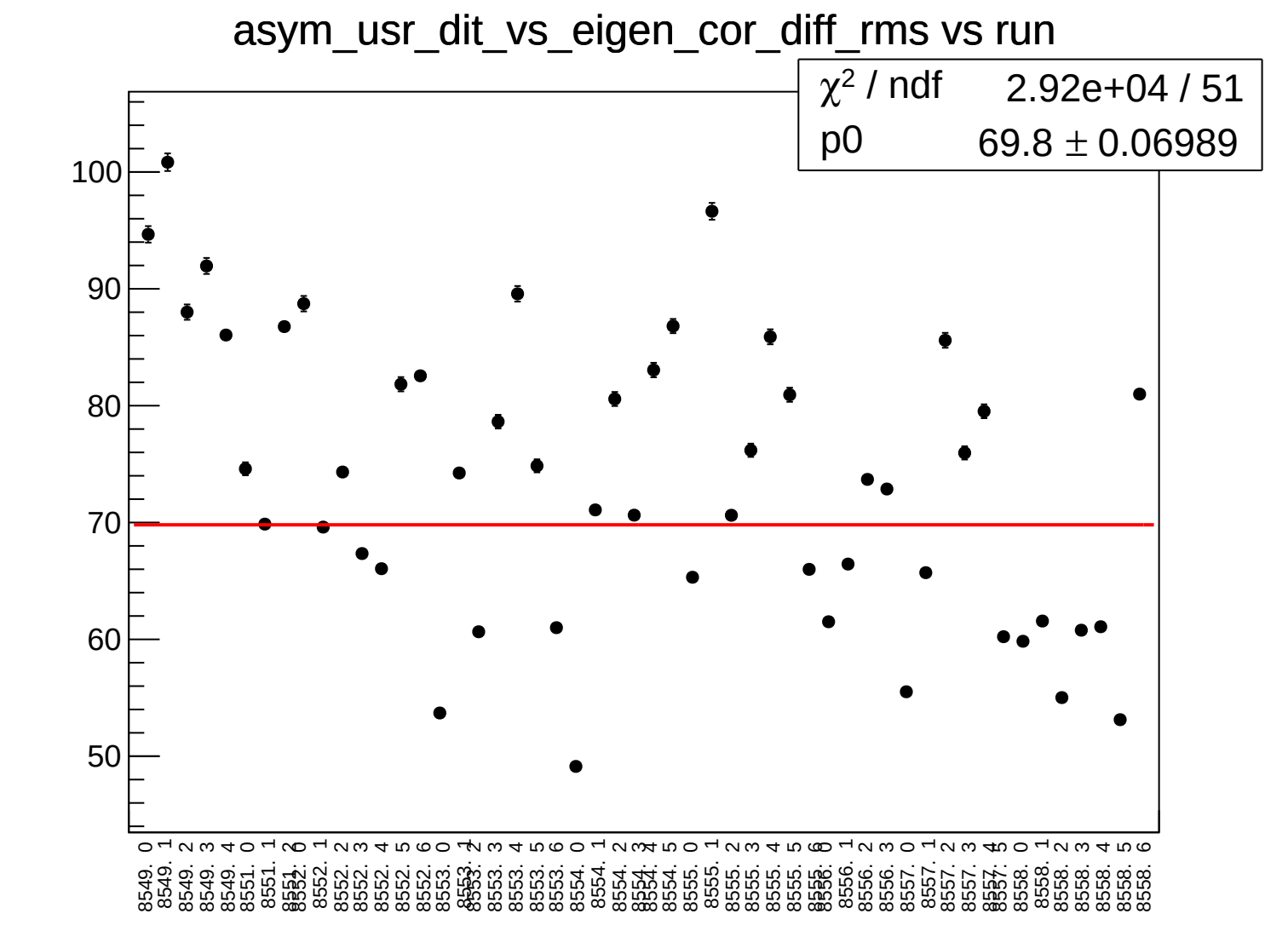
8558. 5
8558. 6


asym_usr_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 75.98 / 51
p0 0.009484 ± 0.09884
pull
Entries 52
Mean 7.994
Std Dev 0


pull1D
Entries 52
Mean 0.04448
Std Dev 1.208


asym_usr_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 2.92e+04 / 51
p0 69.8 ± 0.06989
100
90
80
70
60
50
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 5
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
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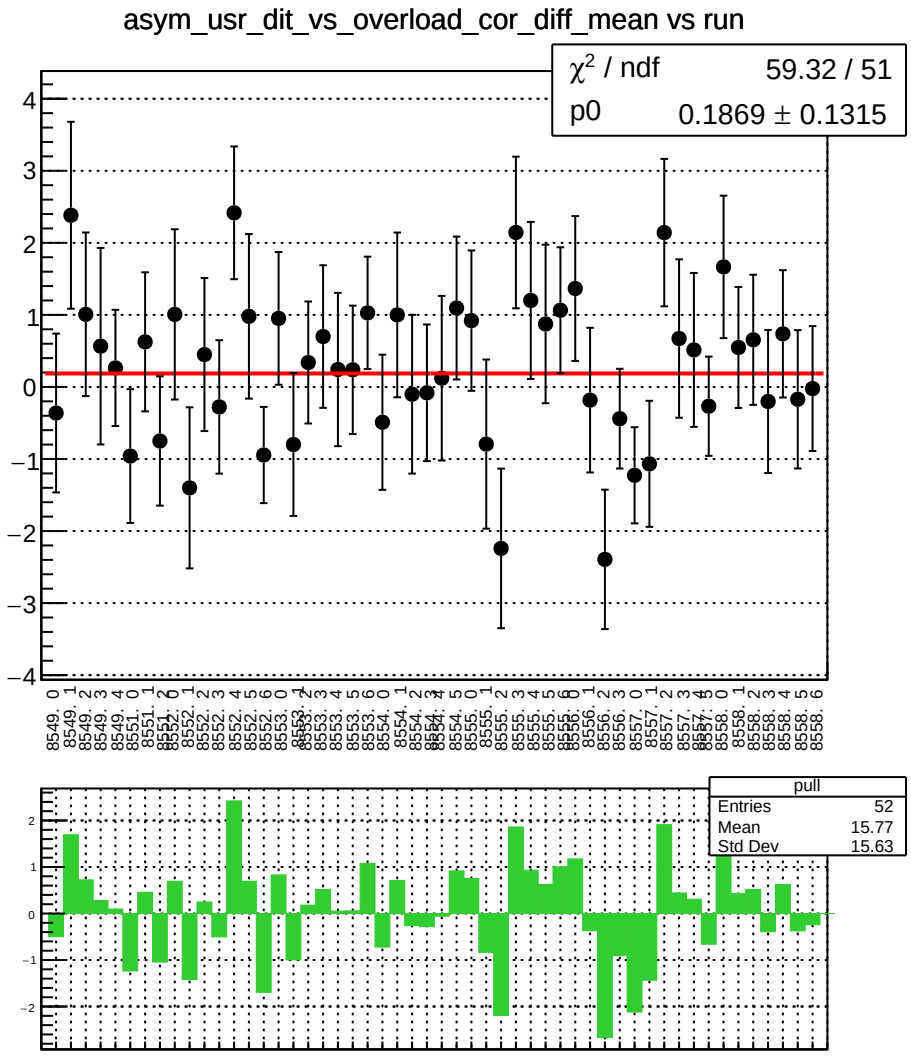
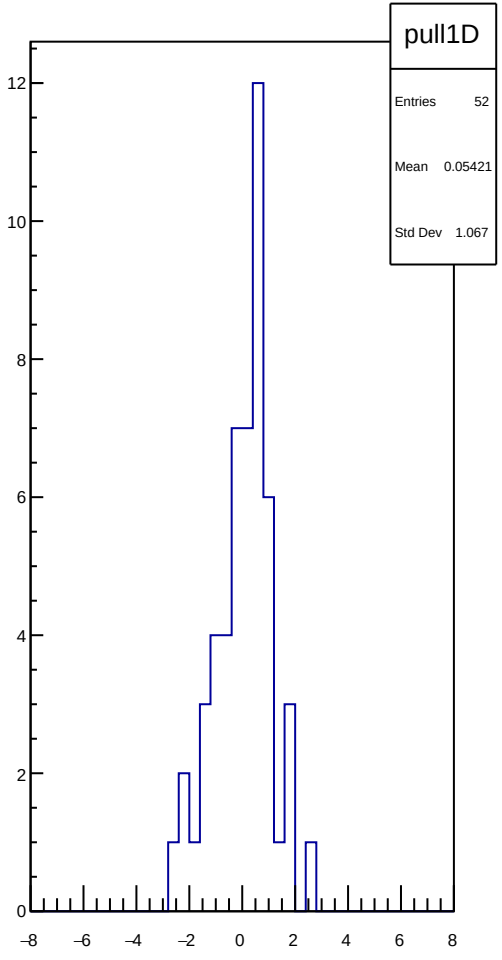
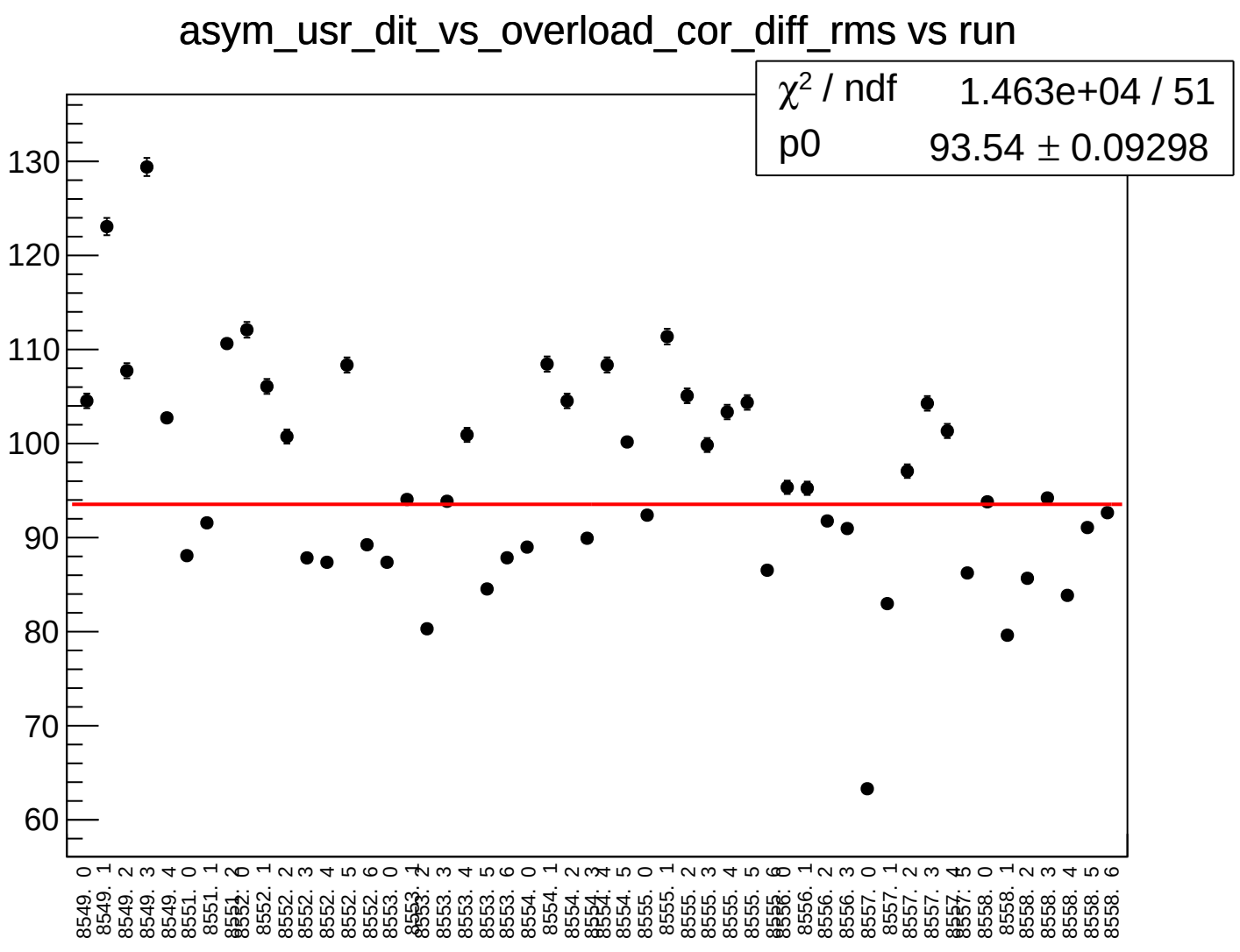
8558. 5
8558. 6


asym_usr_dit_vs_overload_cor_diff_mean vs run
χ² / ndf 59.32 / 51
p0 0.1869 ± 0.1315
pull
Entries 52
Mean 15.77
Std Dev 15.63


pull1D
Entries 52
Mean 0.05421
Std Dev 1.067


asym_usr_dit_vs_overload_cor_diff_rms vs run
χ² / ndf 1.463e+04 / 51
p0 93.54 ± 0.09298
130
120
110
100
90
80
70
60
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 5
8555. 0
8555. 1
8555. 2
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8555. 4
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8556. 1
8556. 2
8556. 3
8557. 0
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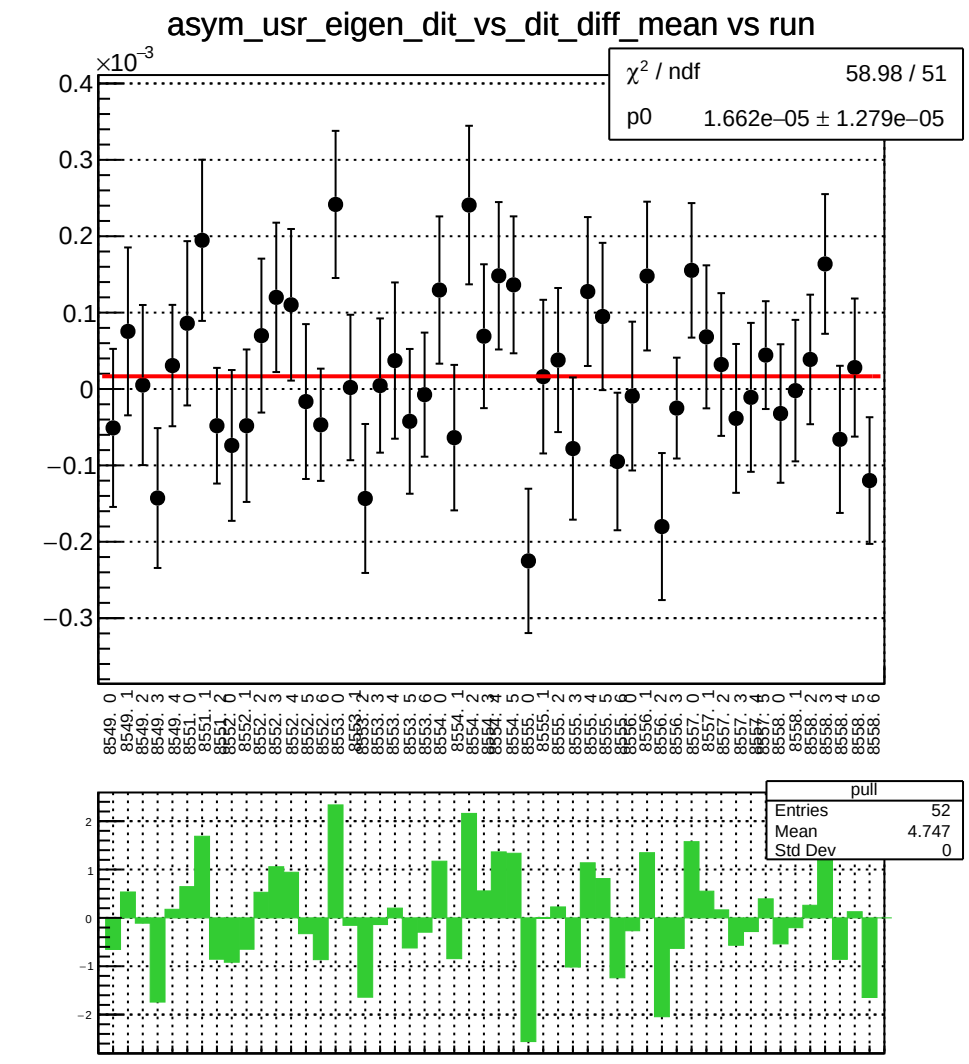
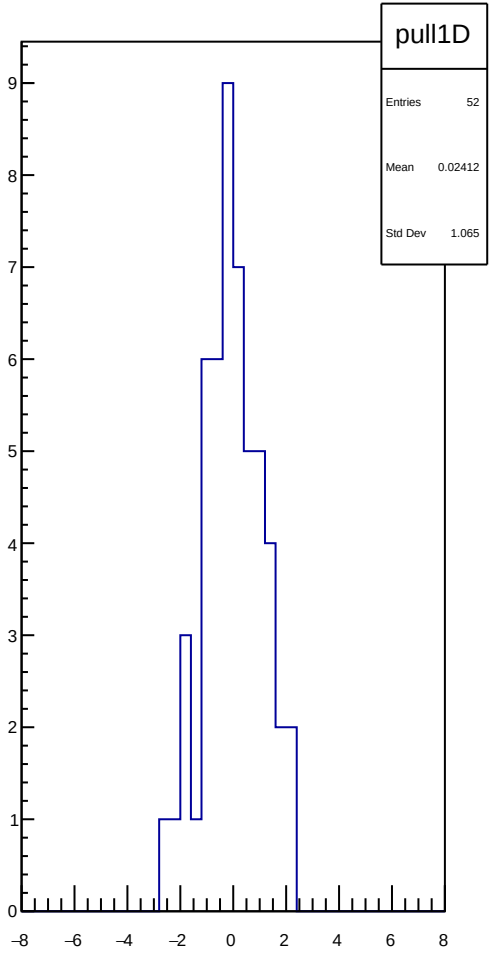
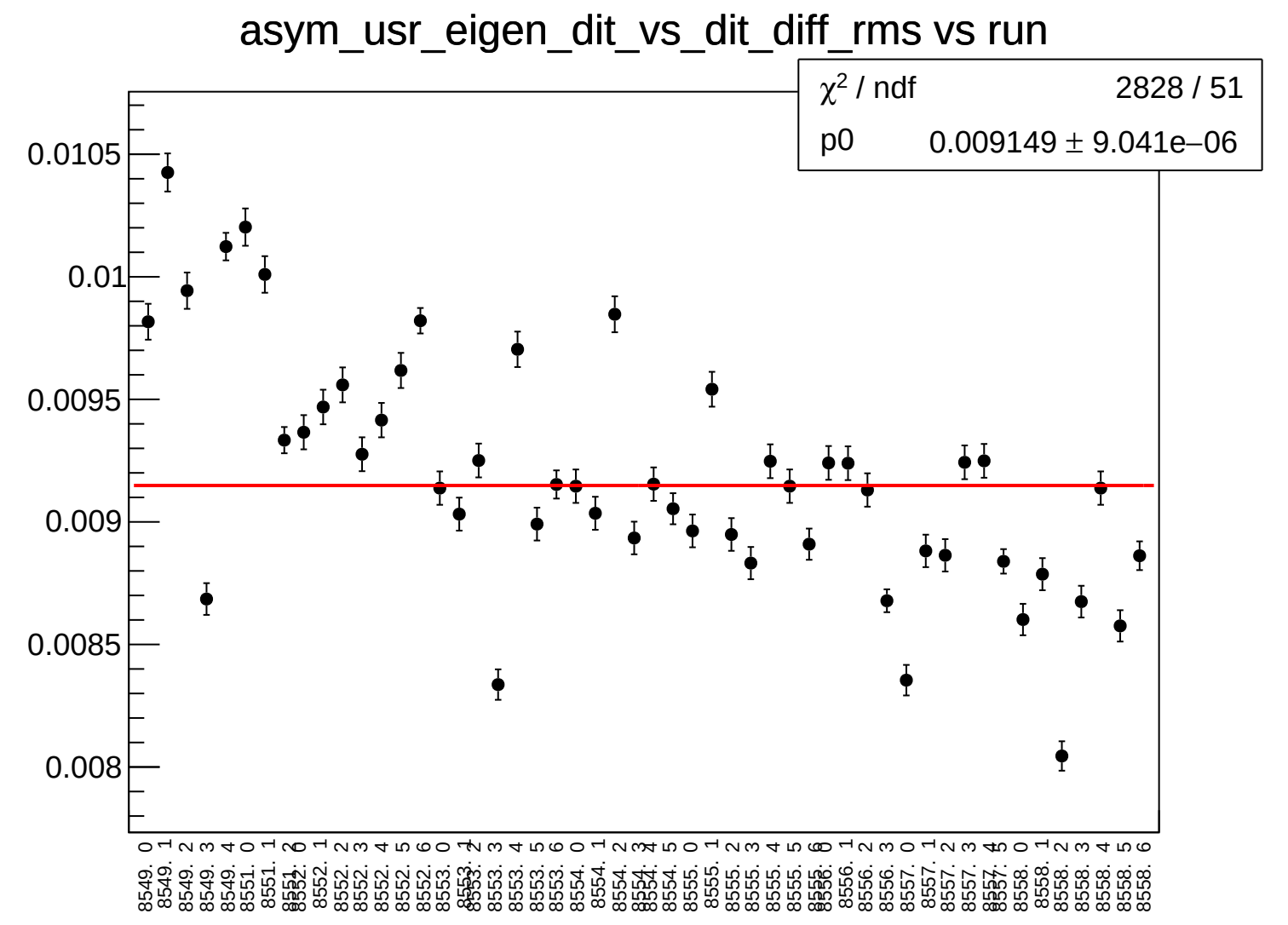
8558. 5
8558. 6


asym_usr_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 58.98 / 51
p0 1.662e−05 ± 1.279e−05
pull
Entries 52
Mean 4.747
Std Dev 0


pull1D
Entries 52
Mean 0.02412
Std Dev 1.065


asym_usr_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 2828 / 51
p0 0.009149 ± 9.041e−06
0.0105
0.01
0.0095
0.009
0.0085
0.008
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 5
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
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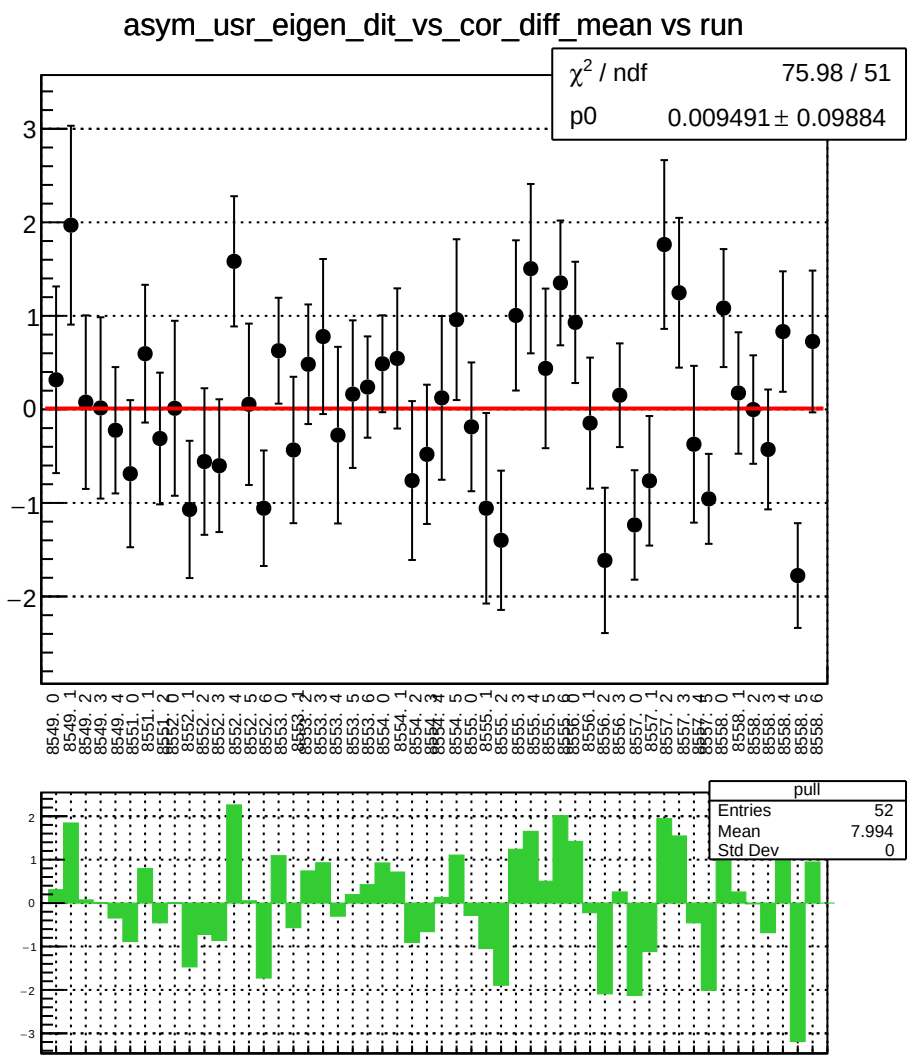
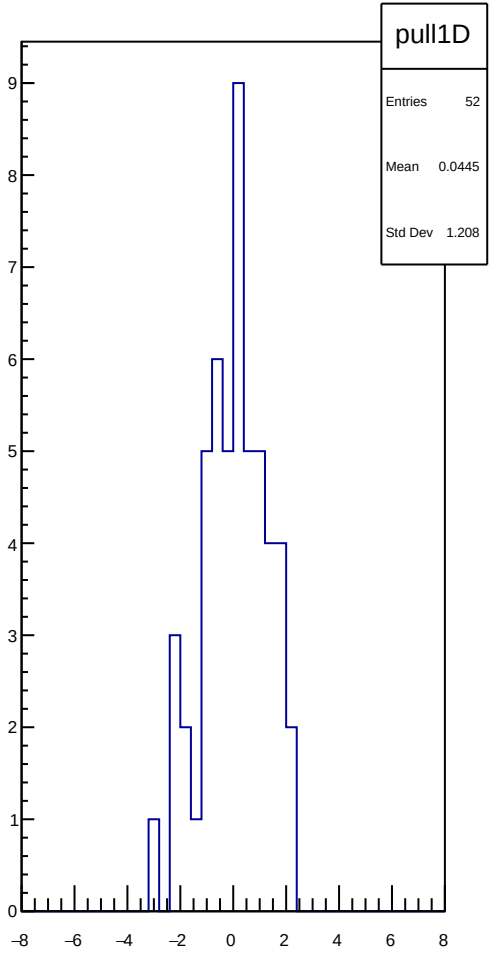
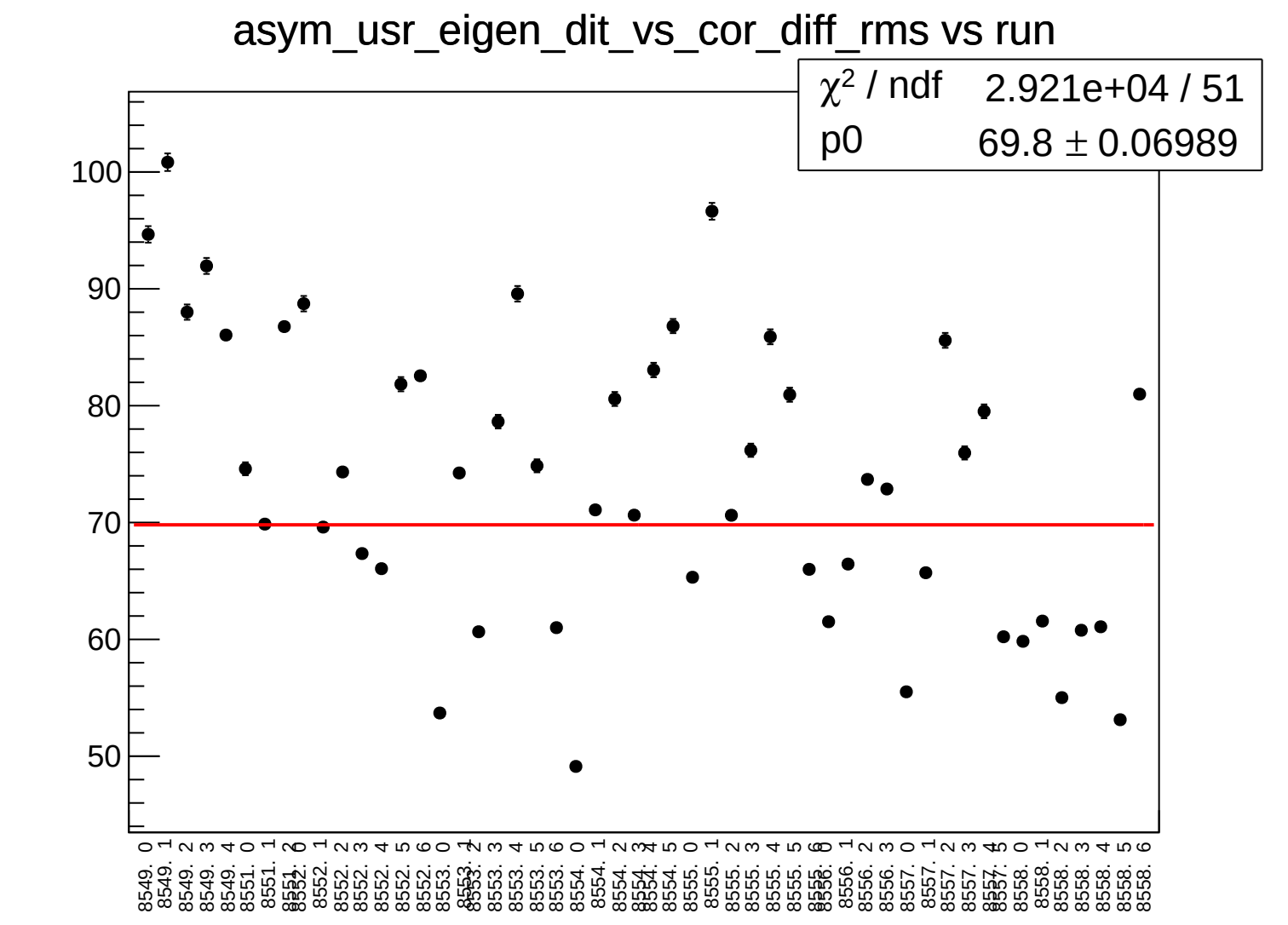
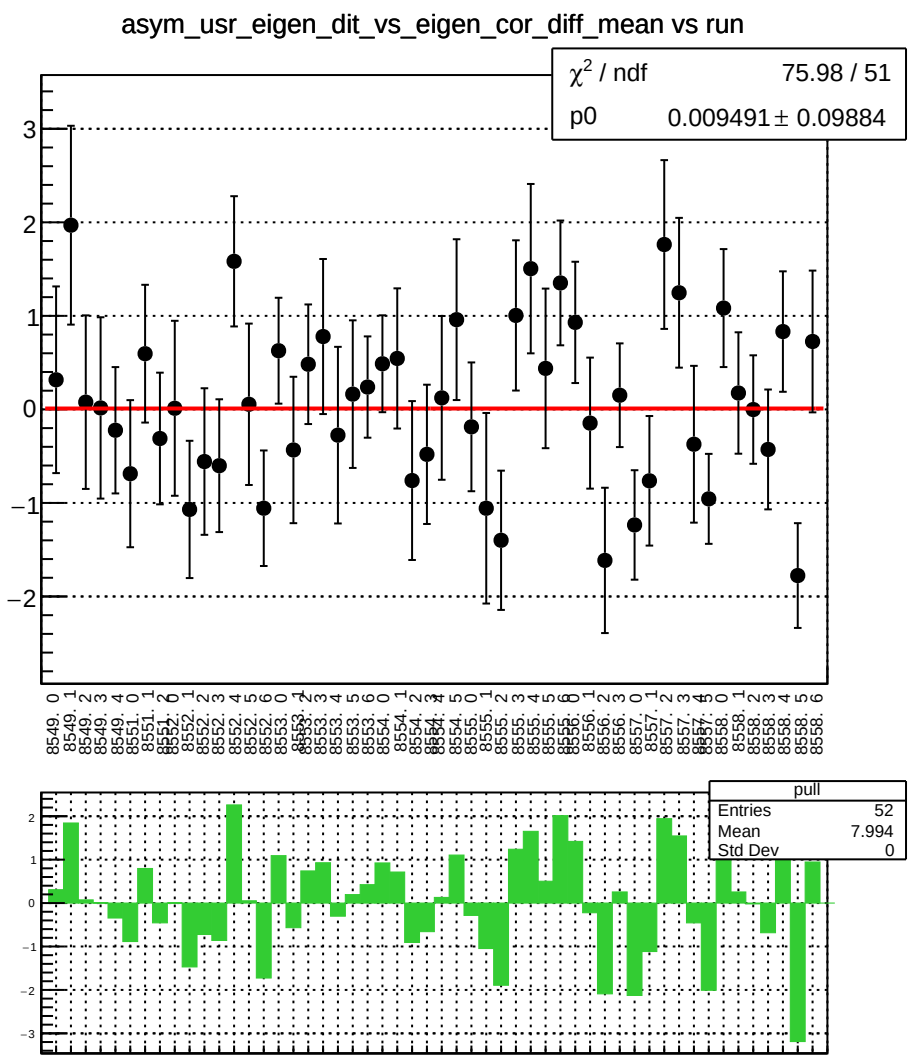
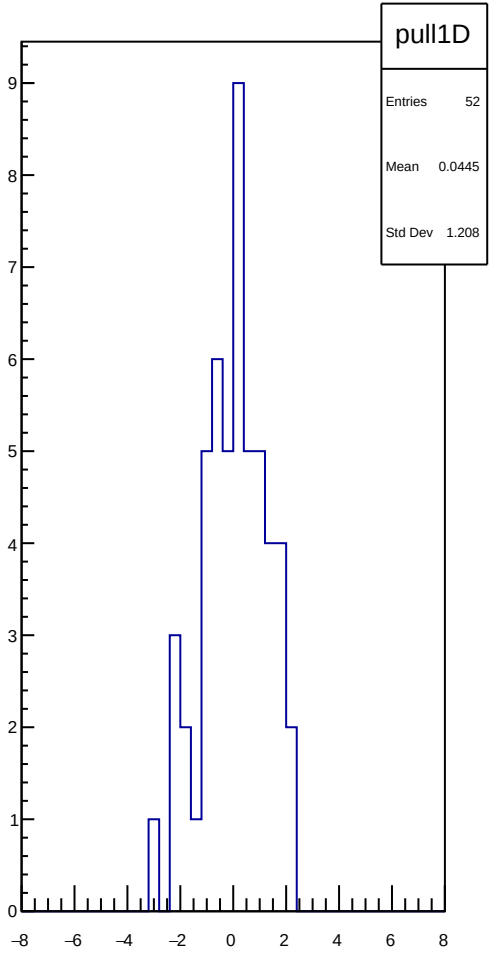
8558. 5
8558. 6

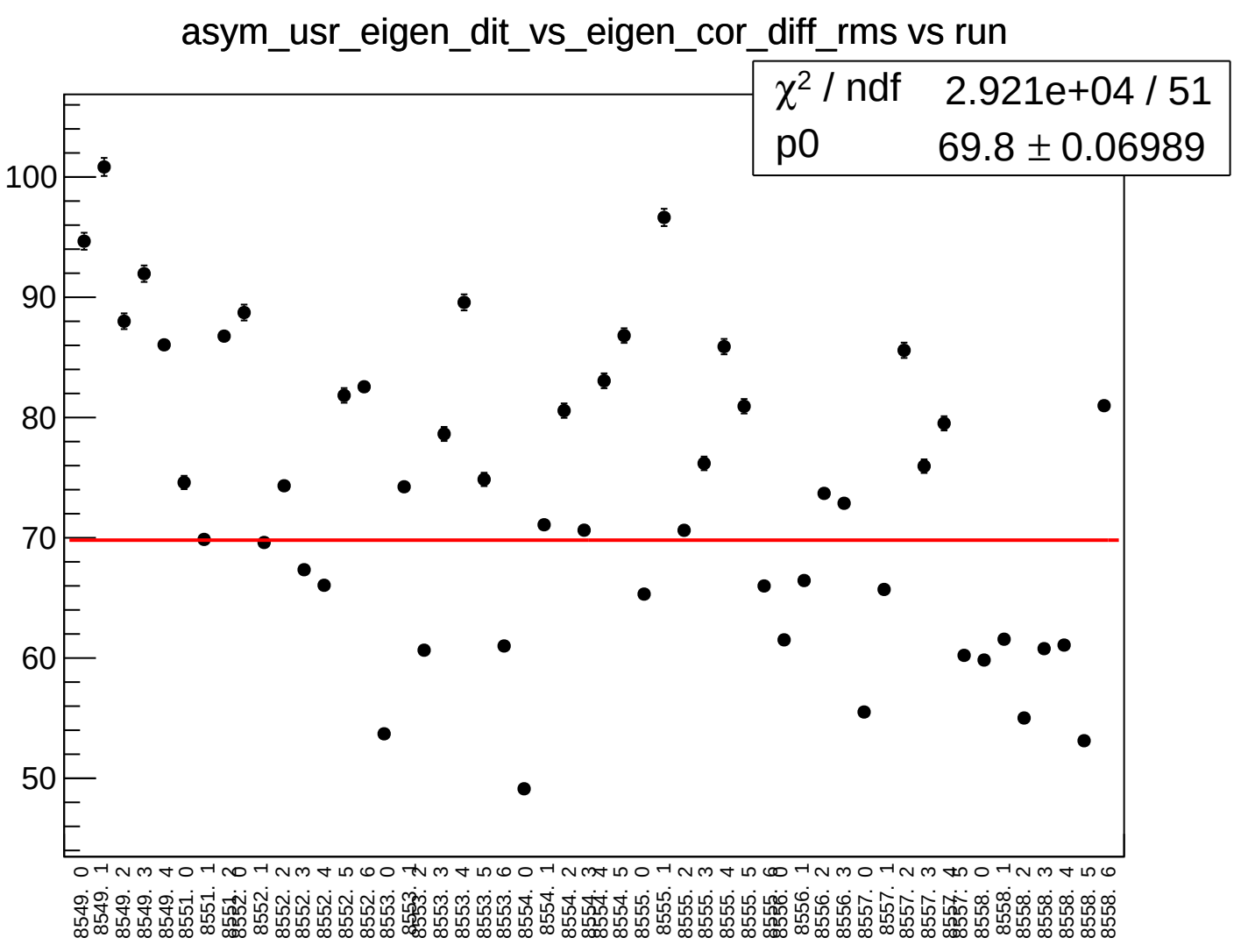

asym_usr_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 75.98 / 51
p0 0.009491 ± 0.09884
pull
Entries 52
Mean 7.994
Std Dev 0

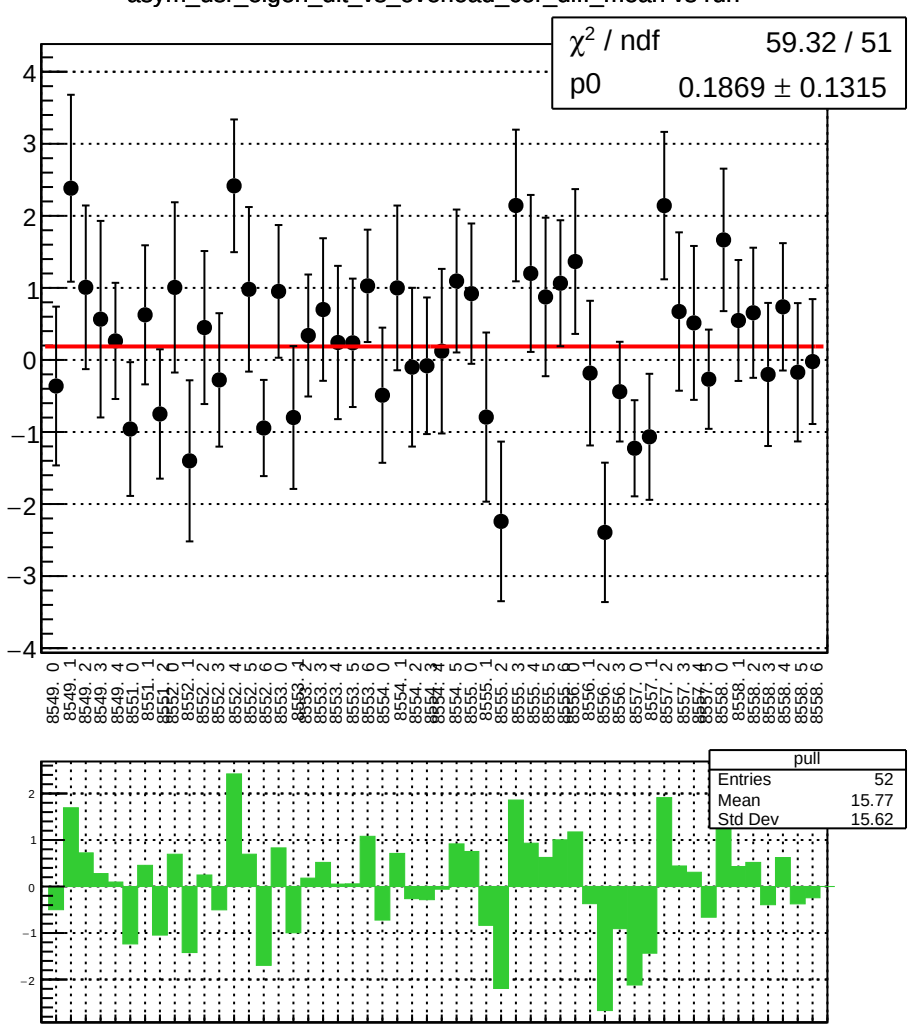

pull1D
Entries 52
Mean 0.0445
Std Dev 1.208

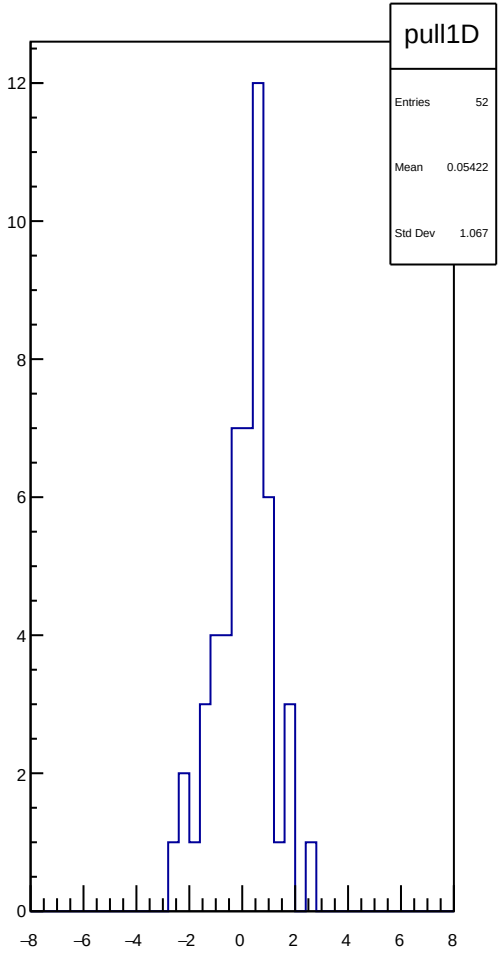

asym_usr_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 2.921e+04 / 51
p0 69.8 ± 0.06989
100
90
80
70
60
50
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

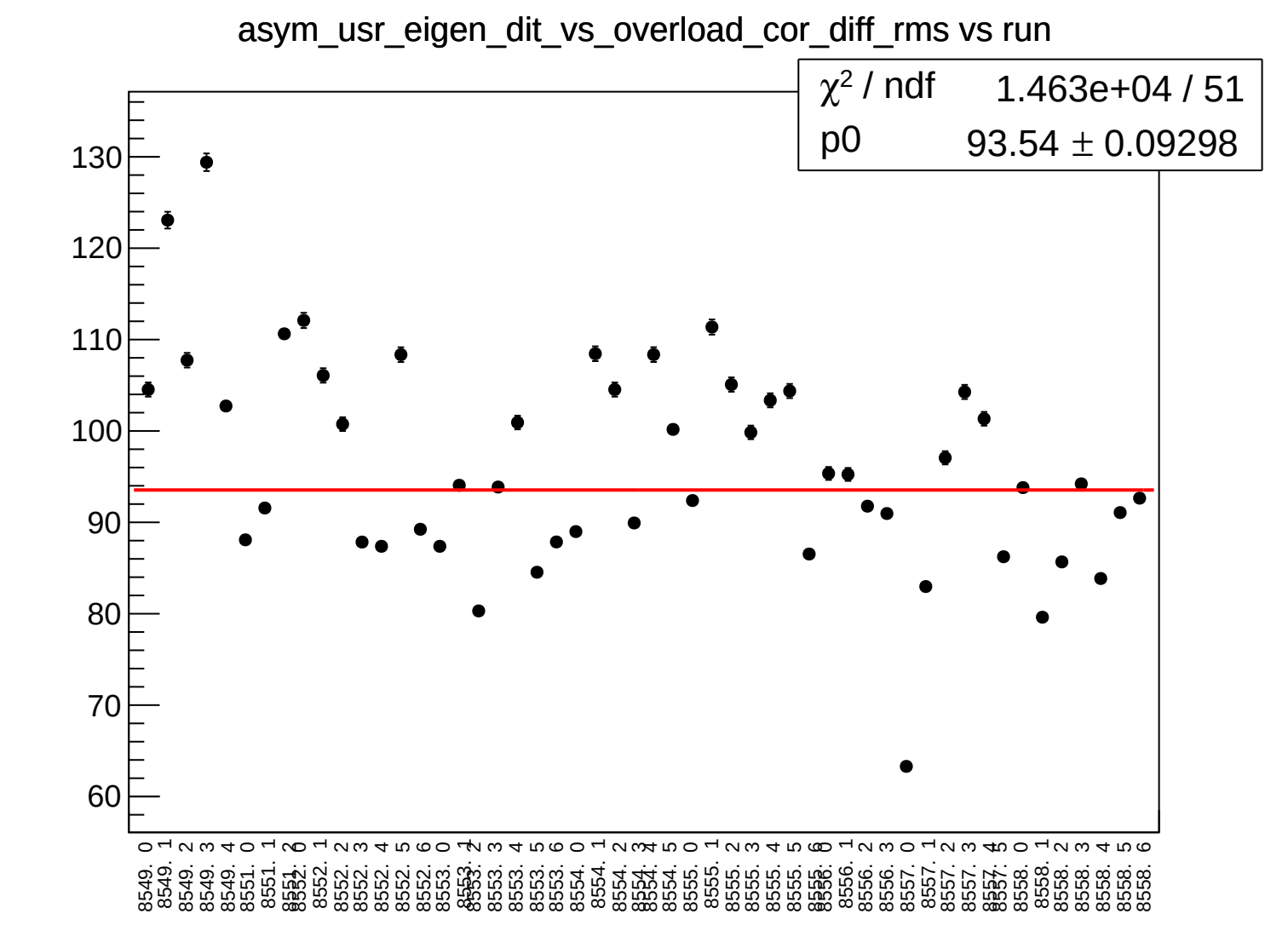

asym_usr_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 75.98 / 51
p0 0.009491 ± 0.09884
pull
Entries 52
Mean 7.994
Std Dev 0


pull1D
Entries 52
Mean 0.0445
Std Dev 1.208


asym_usr_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 2.921e+04 / 51
p0 69.8 ± 0.06989
100
90
80
70
60
50
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 5
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6


asym_usr_eigen_dit_vs_overload_cor_diff_mean vs run
χ² / ndf 59.32 / 51
p0 0.1869 ± 0.1315
pull
Entries 52
Mean 15.77
Std Dev 15.62


pull1D
Entries 52
Mean 0.05422
Std Dev 1.067


asym_usr_eigen_dit_vs_overload_cor_diff_rms vs run
χ² / ndf 1.463e+04 / 51
p0 93.54 ± 0.09298
130
120
110
100
90
80
70
60
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
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8553. 6
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8556. 1
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8557. 0
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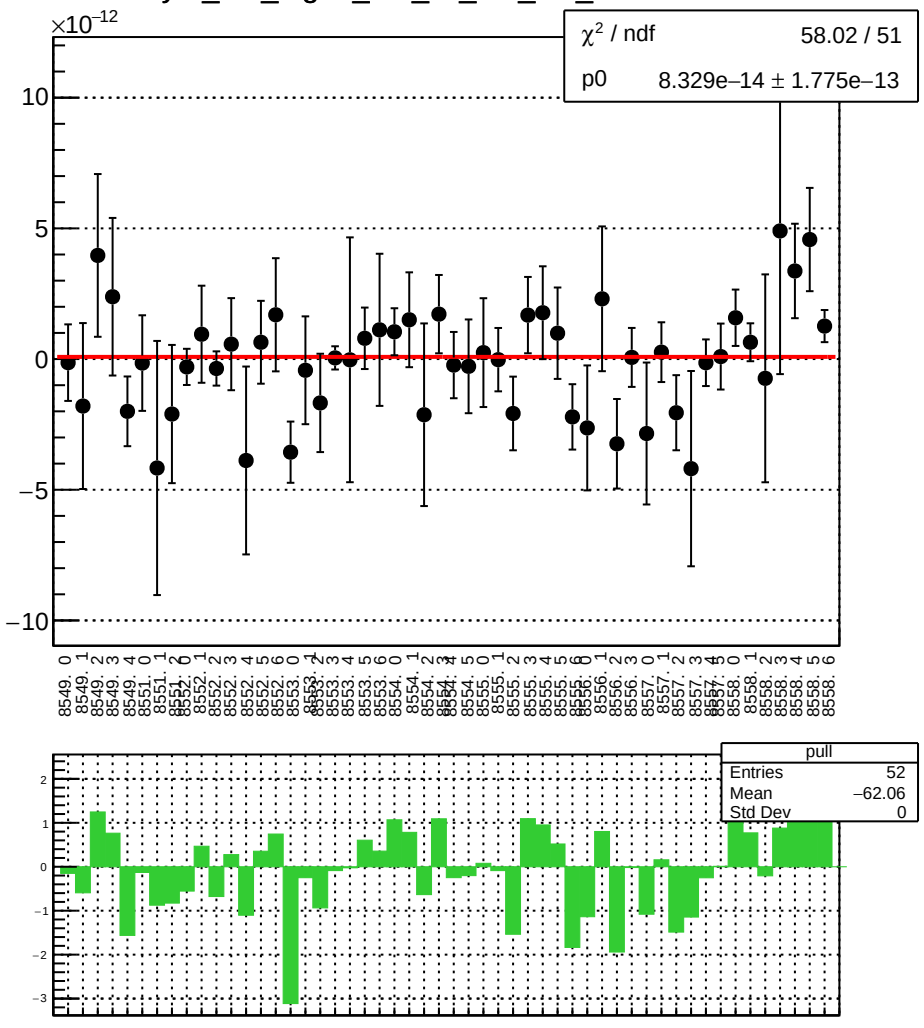
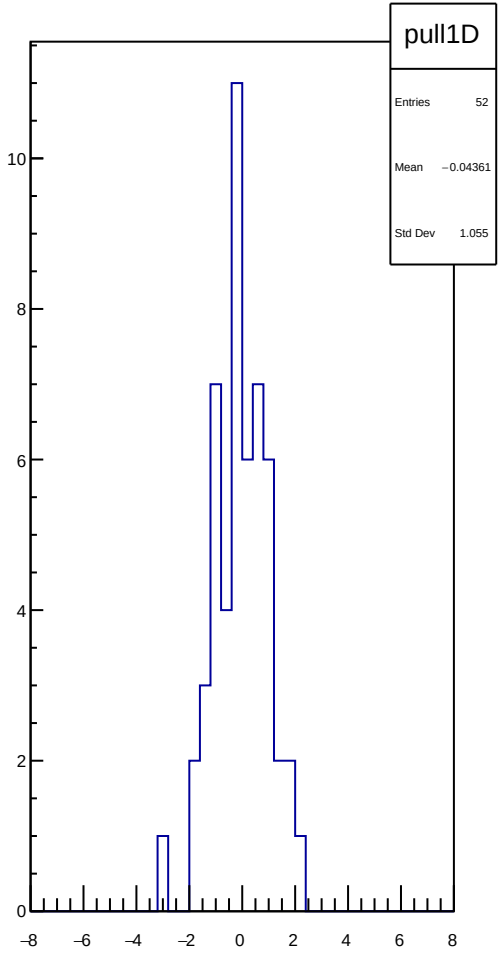
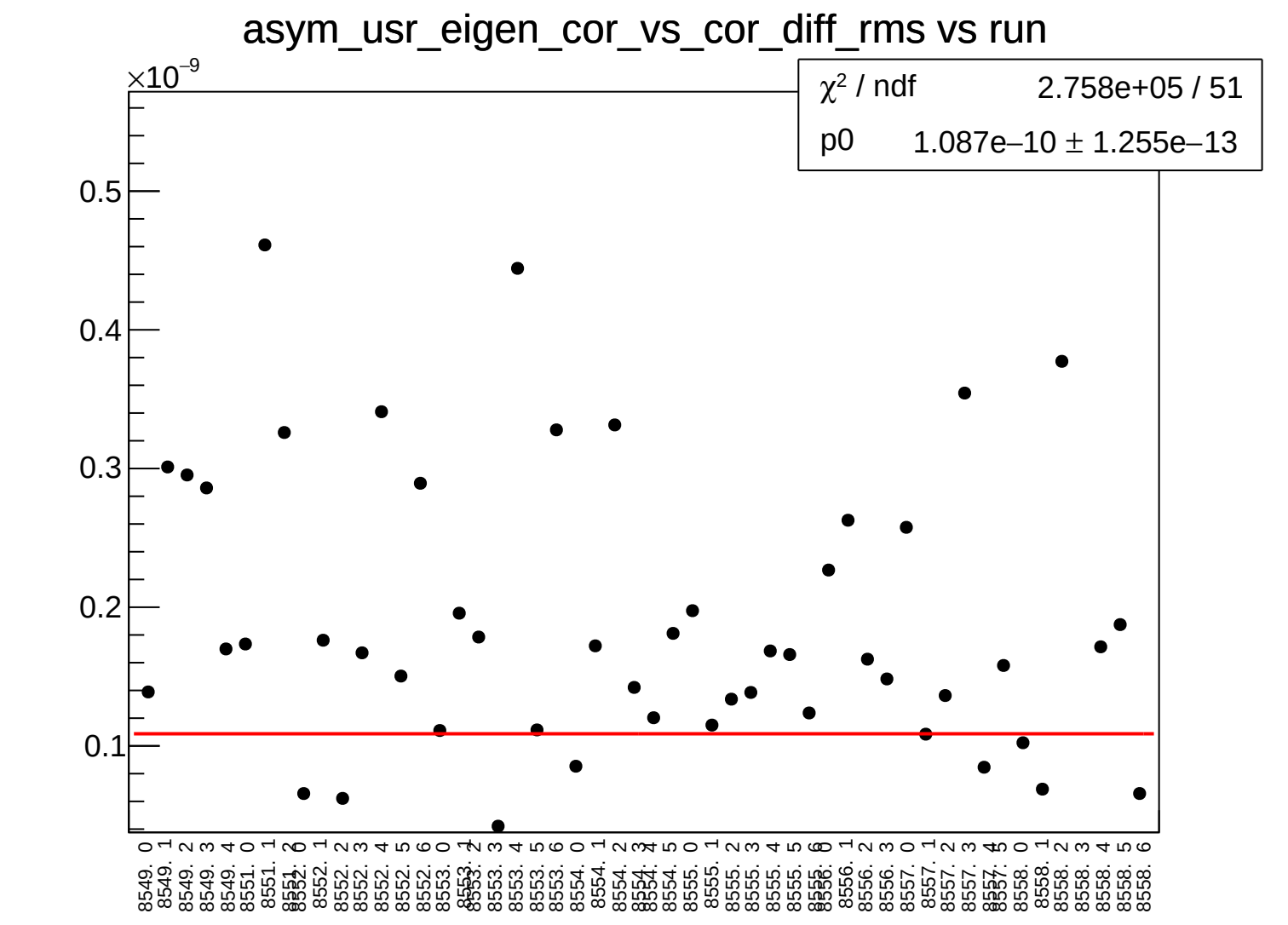
8558. 5
8558. 6


asym_usr_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 58.02 / 51
p0 8.329e−14 ± 1.775e−13
10
5
0
−5
−10
pull
Entries 52
Mean −62.06
Std Dev 0
2
1
0
−1
−2
−3


pull1D
Entries 52
Mean −0.04361
Std Dev 1.055
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


asym_usr_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 2.758e+05 / 51
p0 1.087e−10 ± 1.255e−13
0.5
0.4
0.3
0.2
0.1
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 2
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 5
8555. 0
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8555. 2
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8555. 4
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8556. 2
8556. 3
8557. 0
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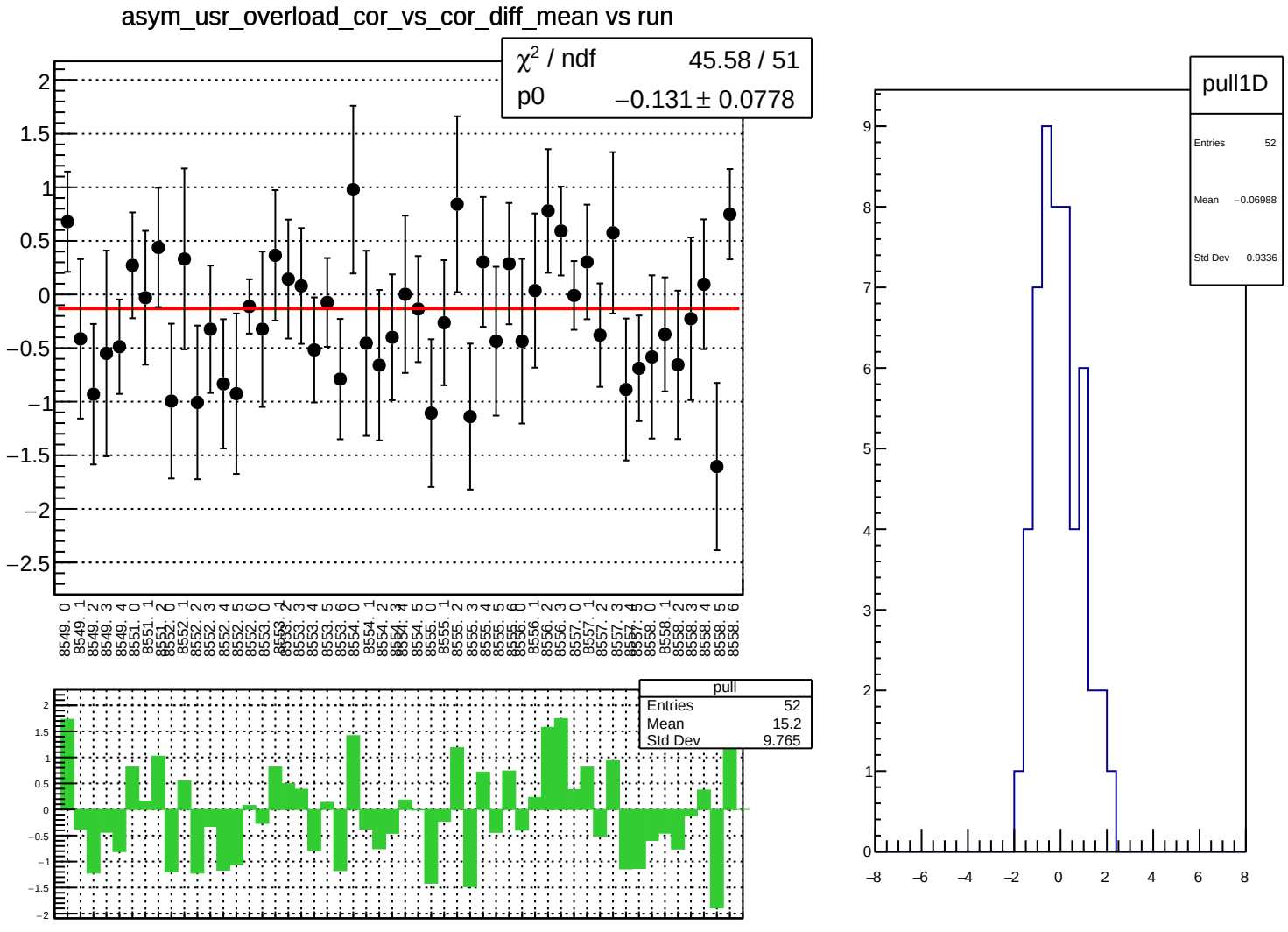
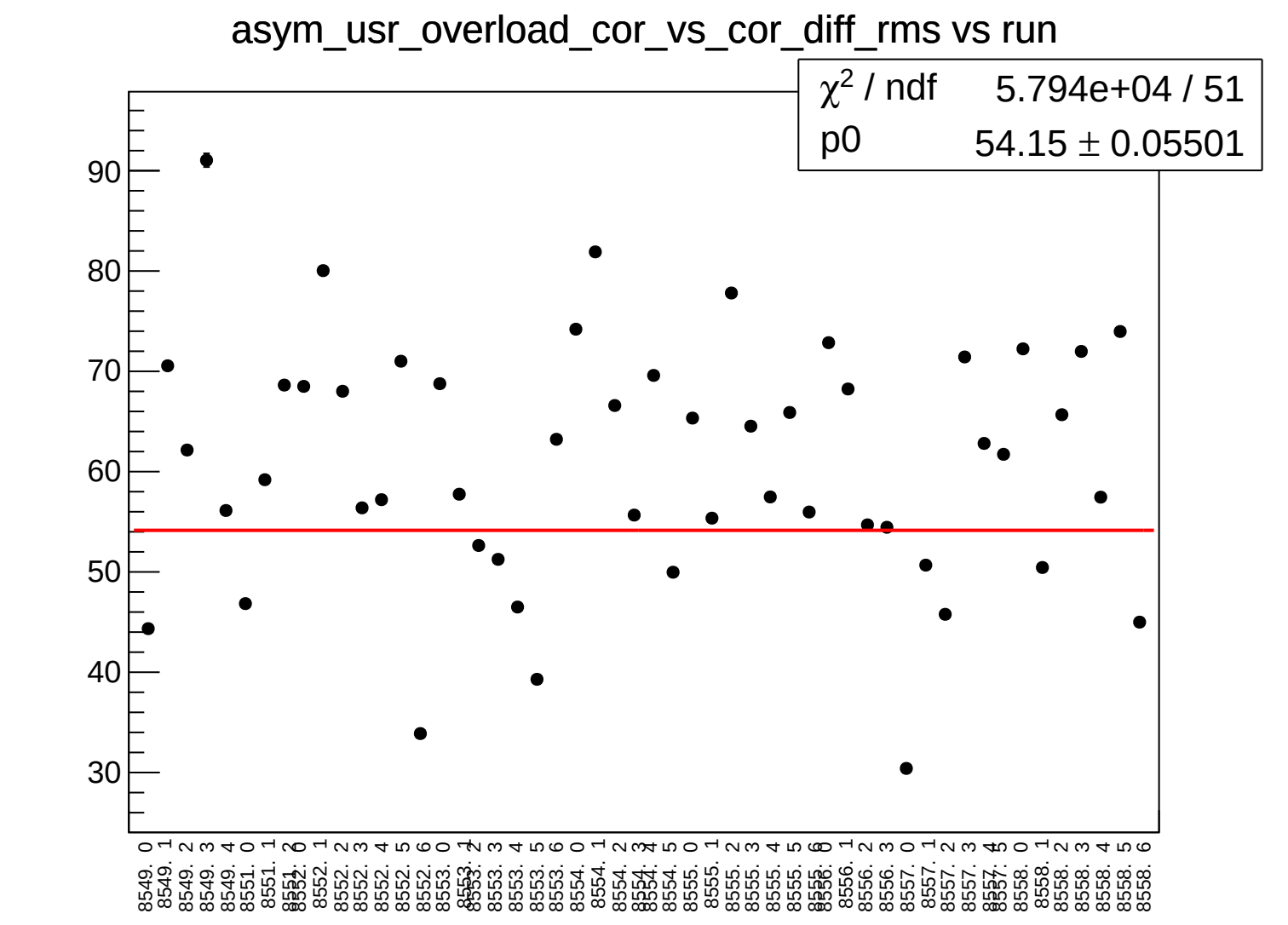
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6


asym_usr_overload_cor_vs_cor_diff_mean vs run
χ² / ndf 45.58 / 51
p0 −0.131 ± 0.0778
pull
Entries 52
Mean 15.2
Std Dev 9.765
pull1D
Entries 52
Mean −0.06988
Std Dev 0.9336


asym_usr_overload_cor_vs_cor_diff_rms vs run
χ² / ndf 5.794e+04 / 51
p0 54.15 ± 0.05501
90
80
70
60
50
40
30
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
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8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
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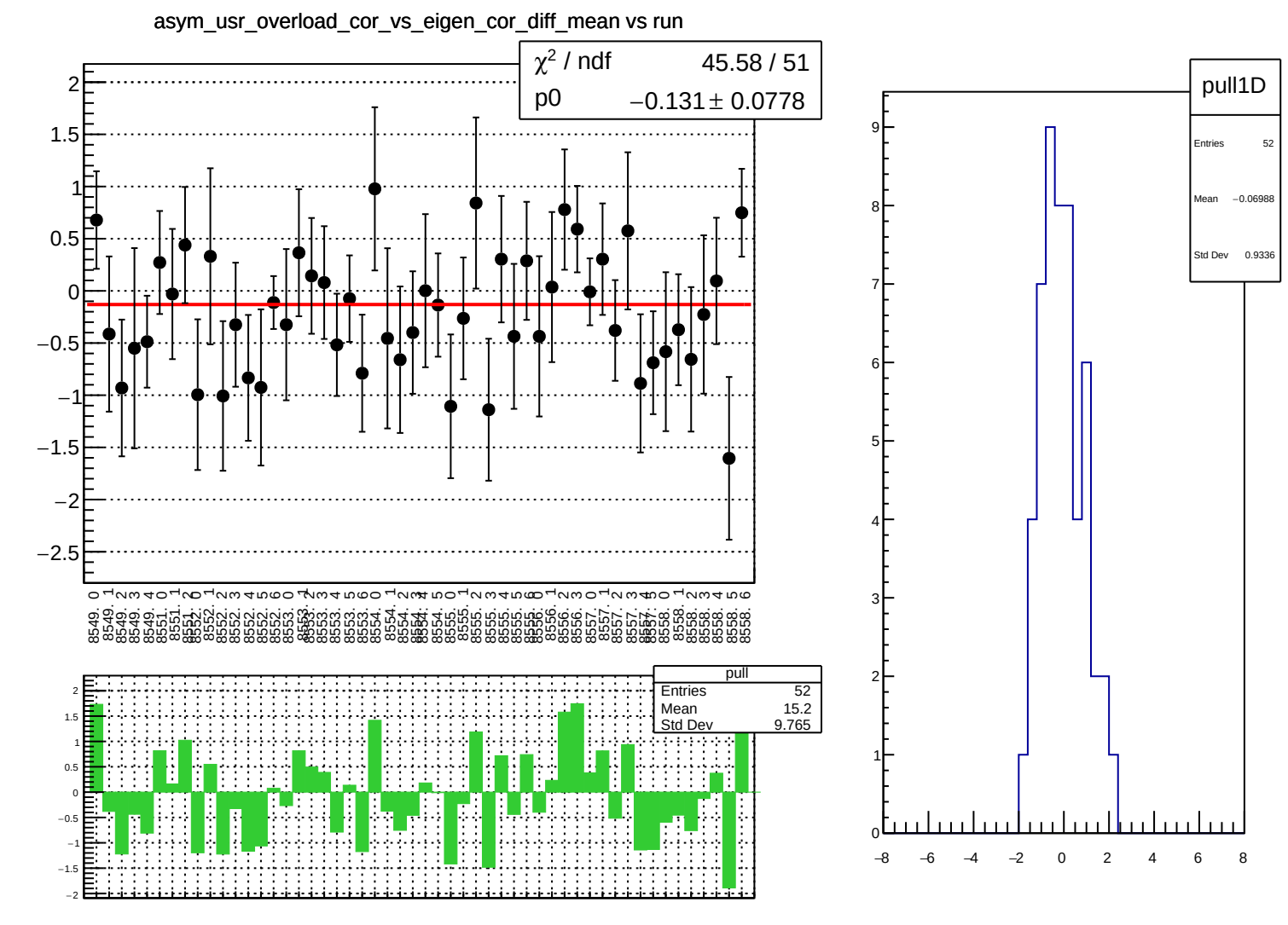
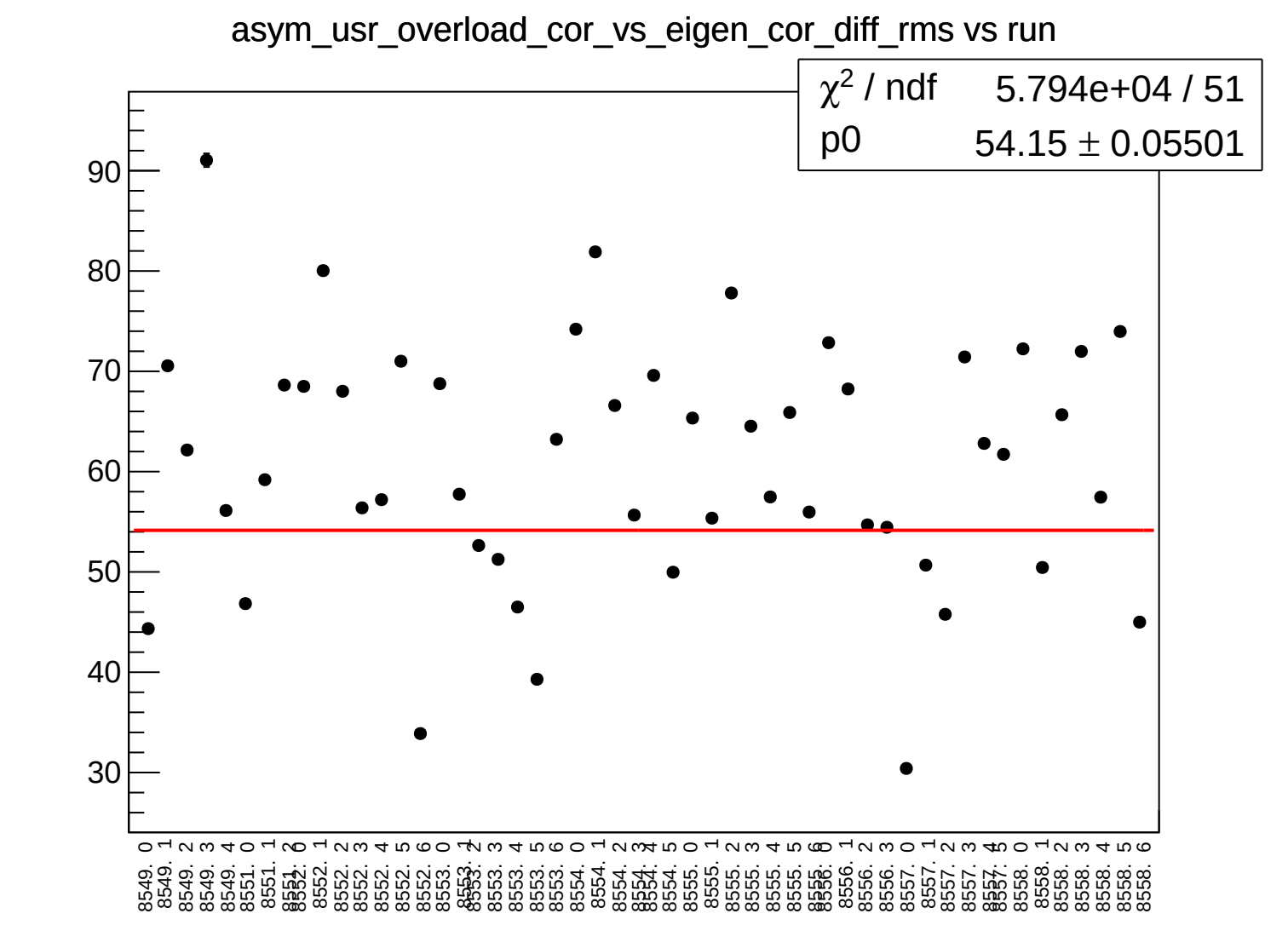
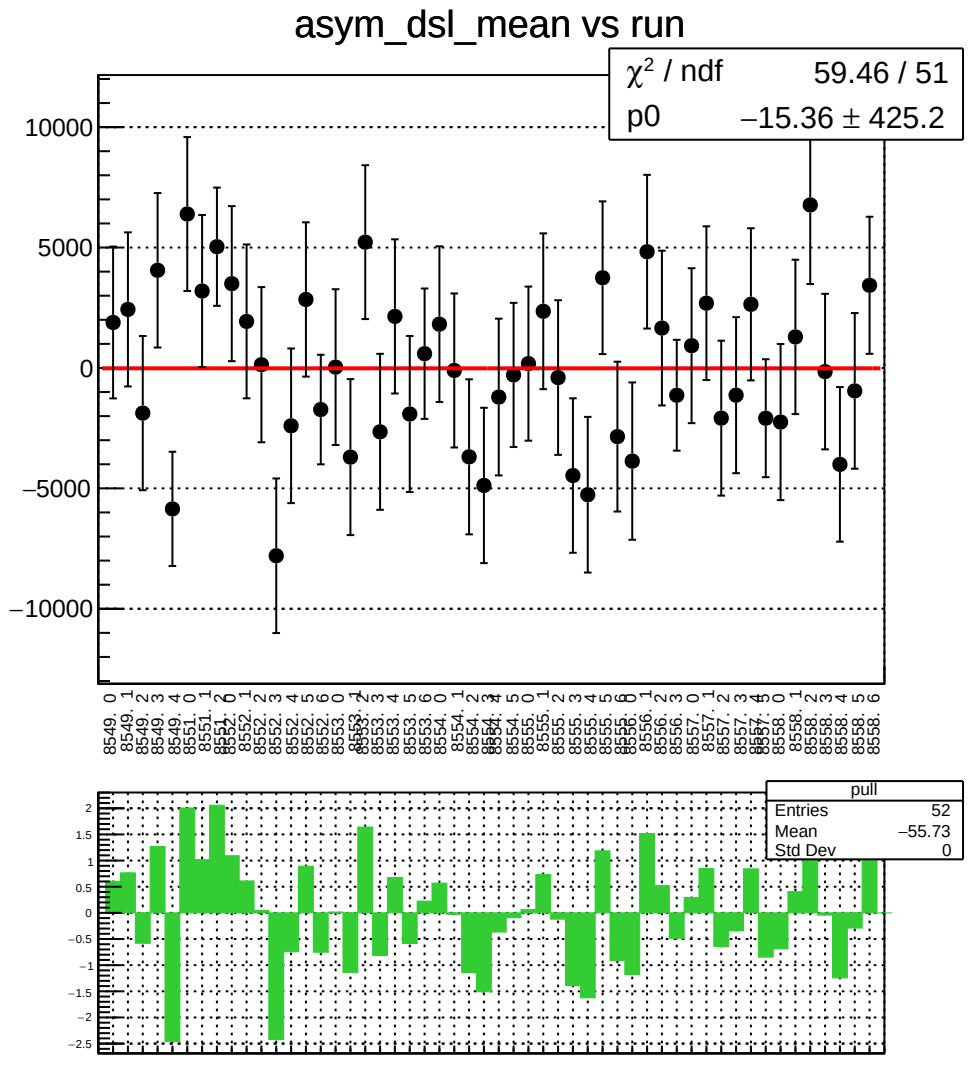
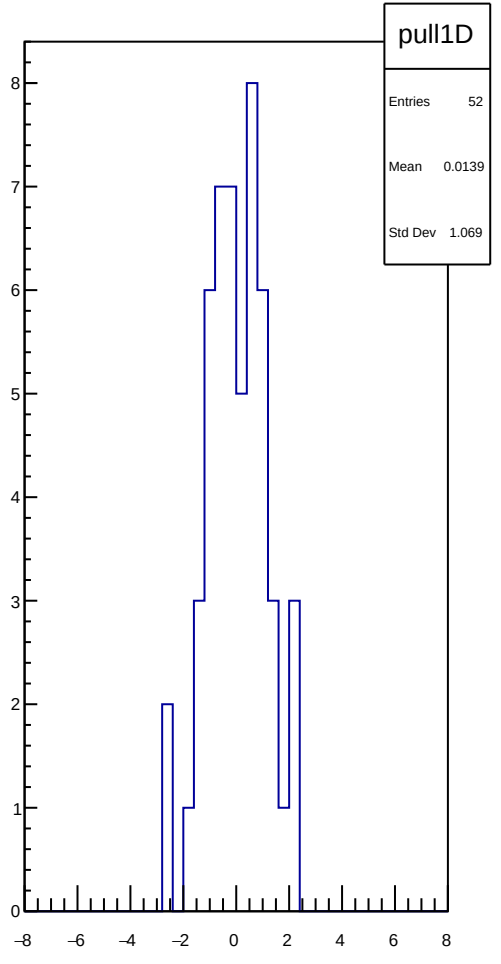
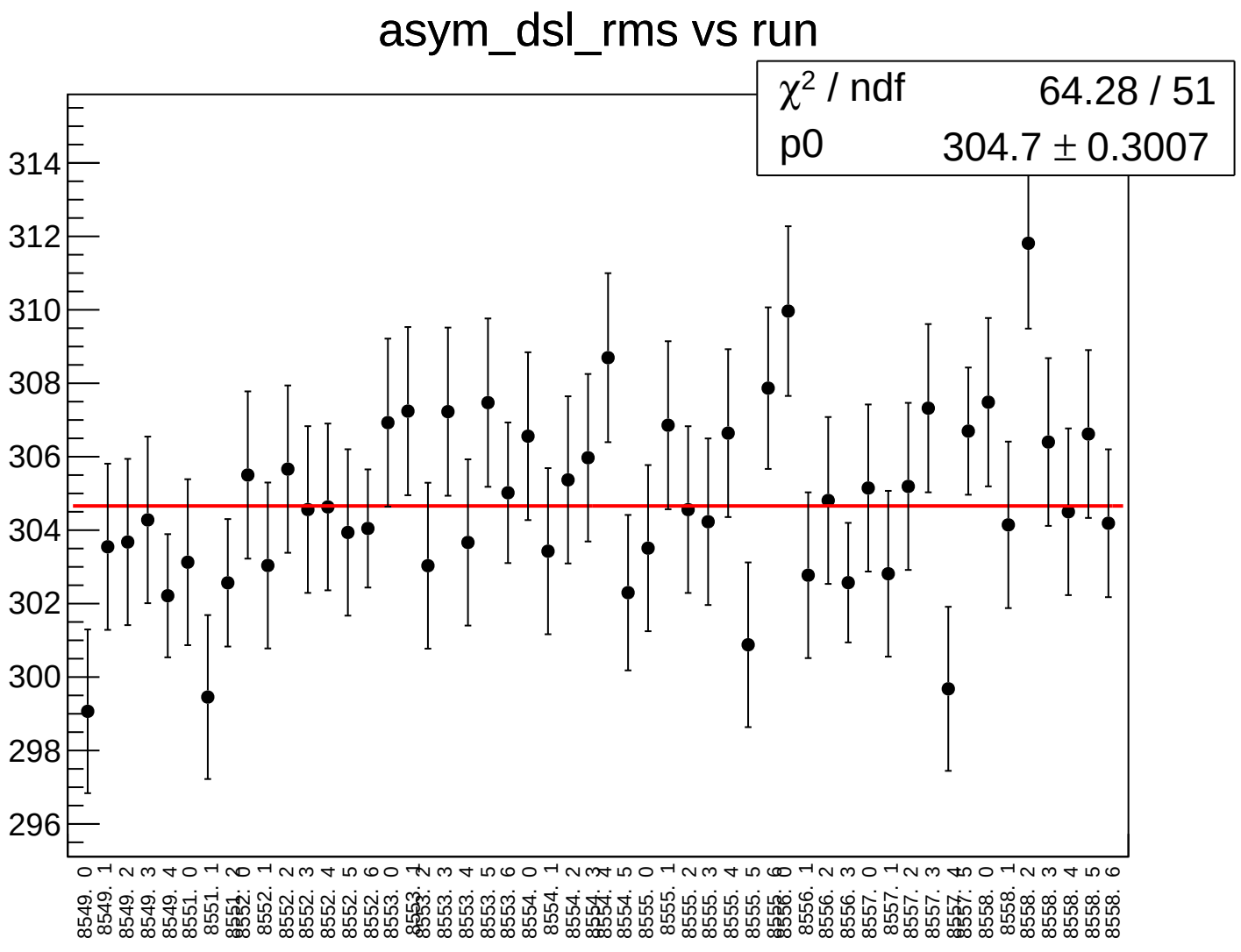
8558. 5
8558. 6

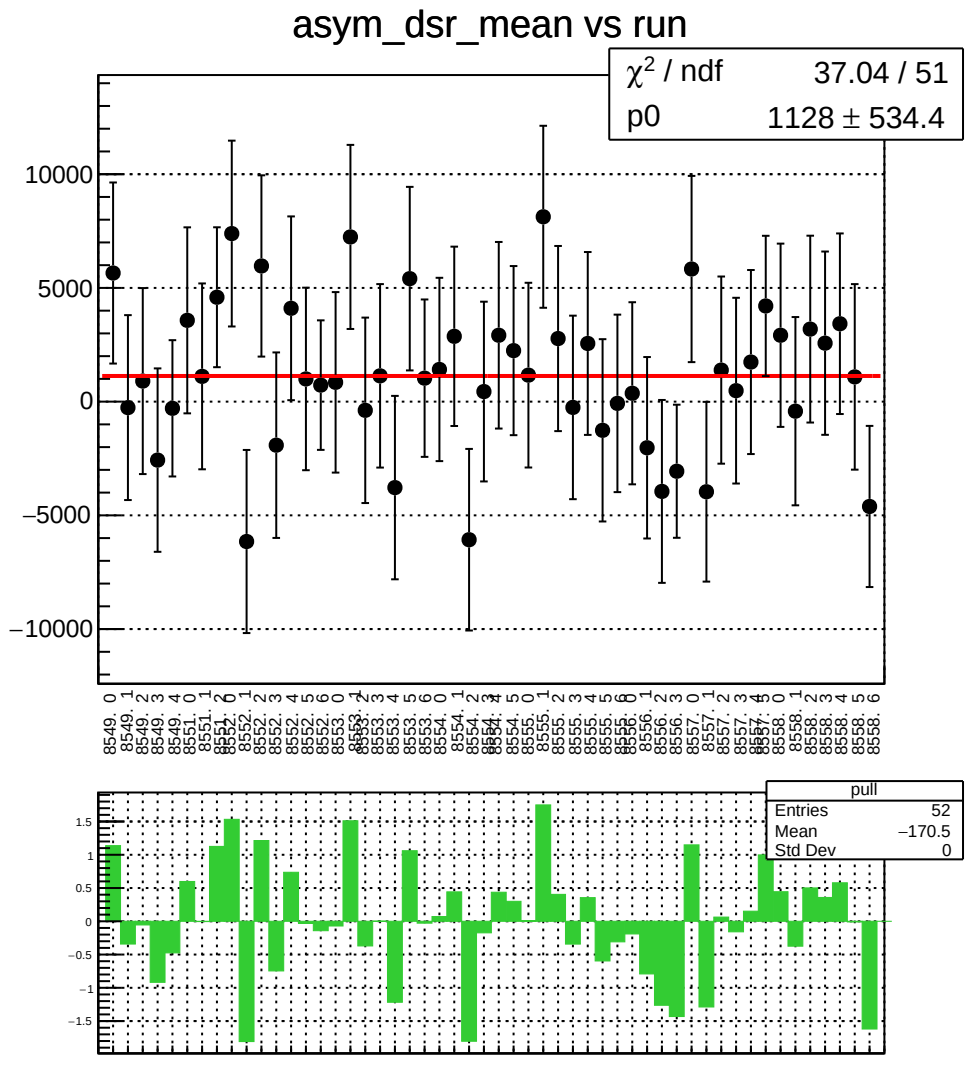

asym_usr_overload_cor_vs_eigen_cor_diff_mean vs run
χ² / ndf 45.58 / 51
p0 −0.131 ± 0.0778
pull
Entries 52
Mean 15.2
Std Dev 9.765
pull1D
Entries 52
Mean −0.06988
Std Dev 0.9336

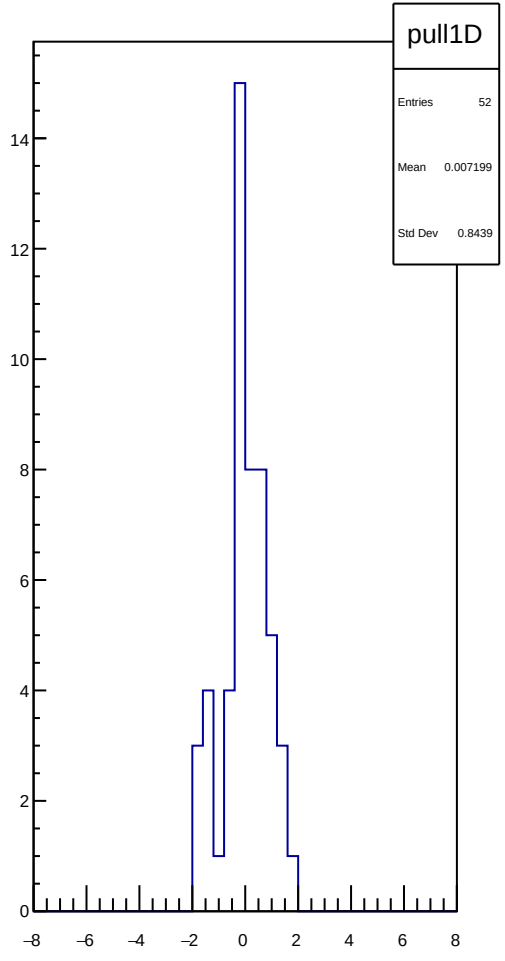

asym_usr_overload_cor_vs_eigen_cor_diff_rms vs run
χ² / ndf 5.794e+04 / 51
p0 54.15 ± 0.05501
90
80
70
60
50
40
30
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 5
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

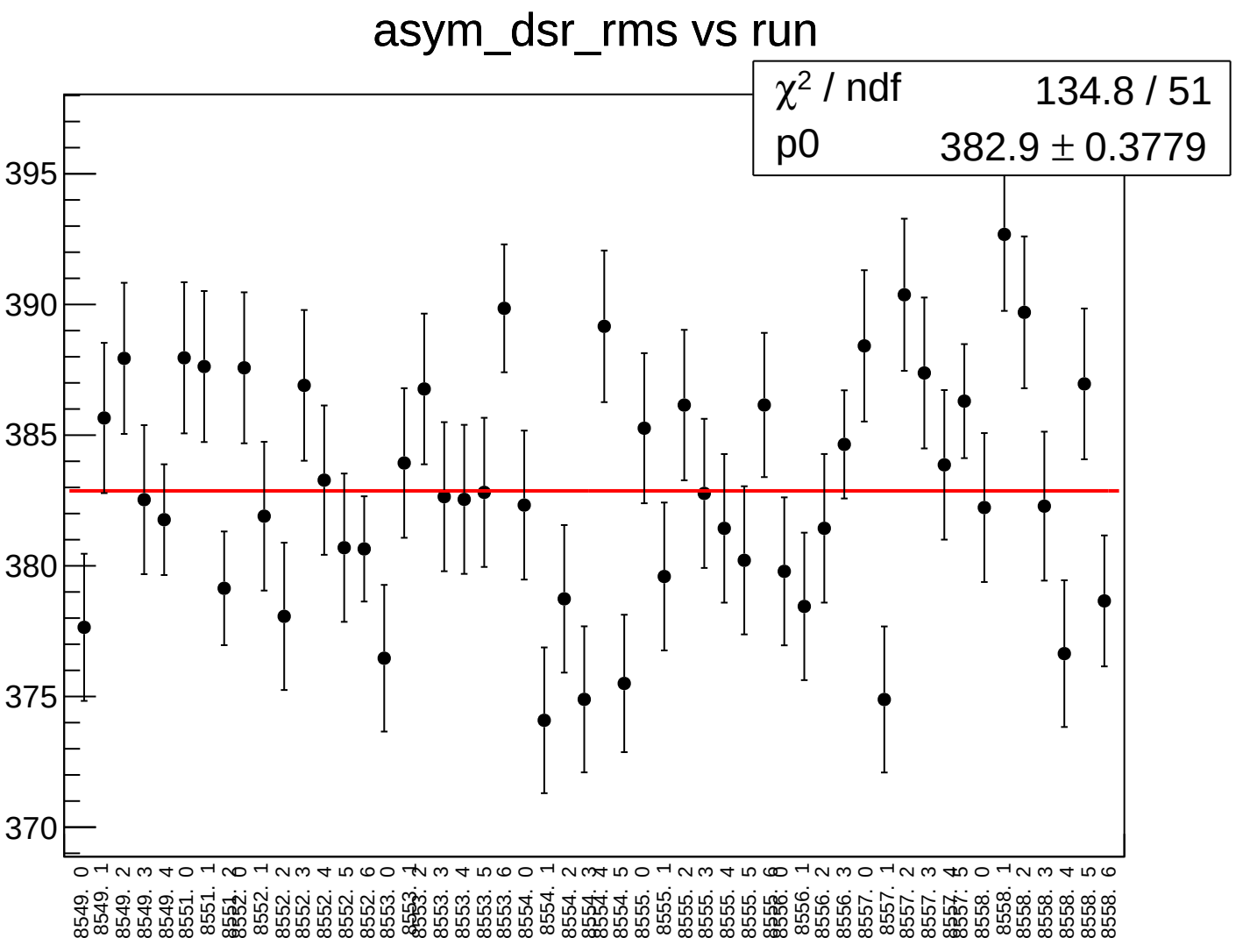

asym_dsl_mean vs run
χ² / ndf 59.46 / 51
p0 −15.36 ± 425.2
10000
5000
0
−5000
−10000
pull
Entries 52
Mean −55.73
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

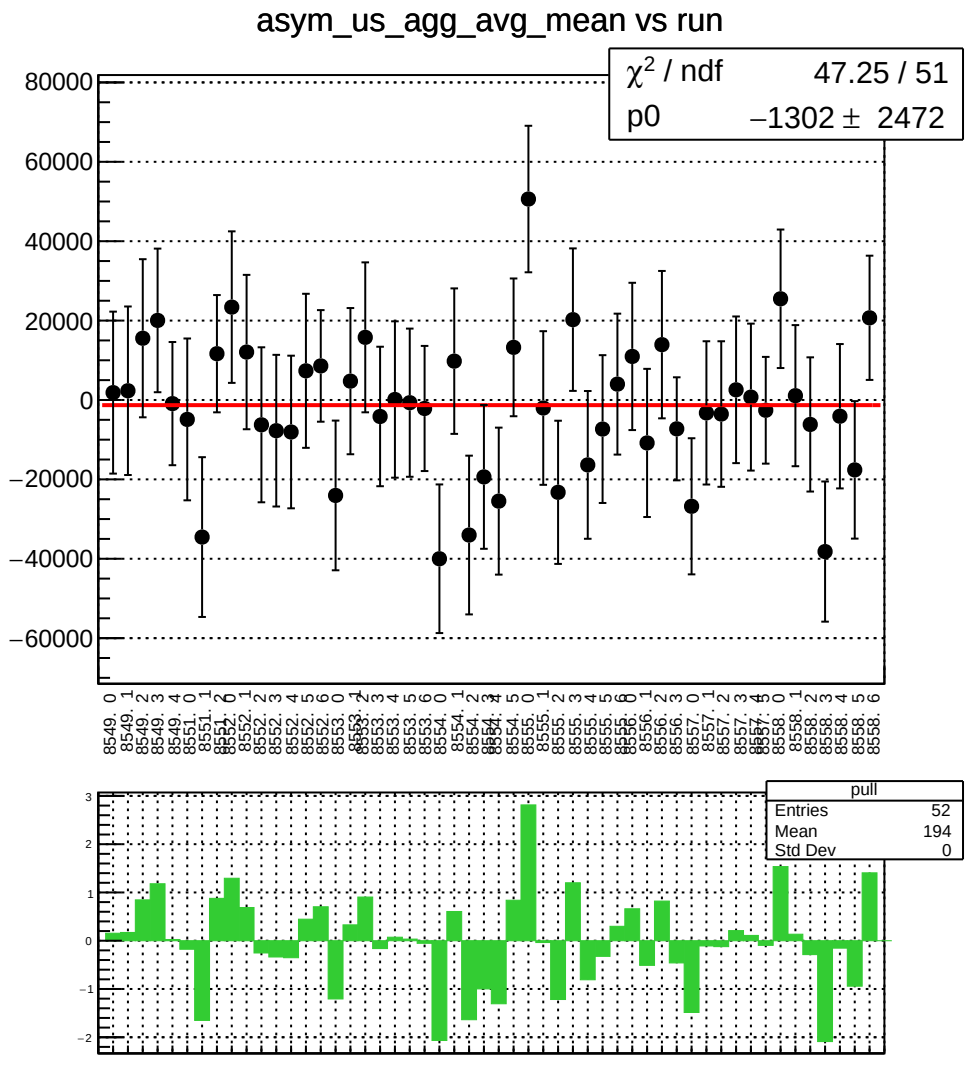

pull1D
Entries 52
Mean 0.0139
Std Dev 1.069
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

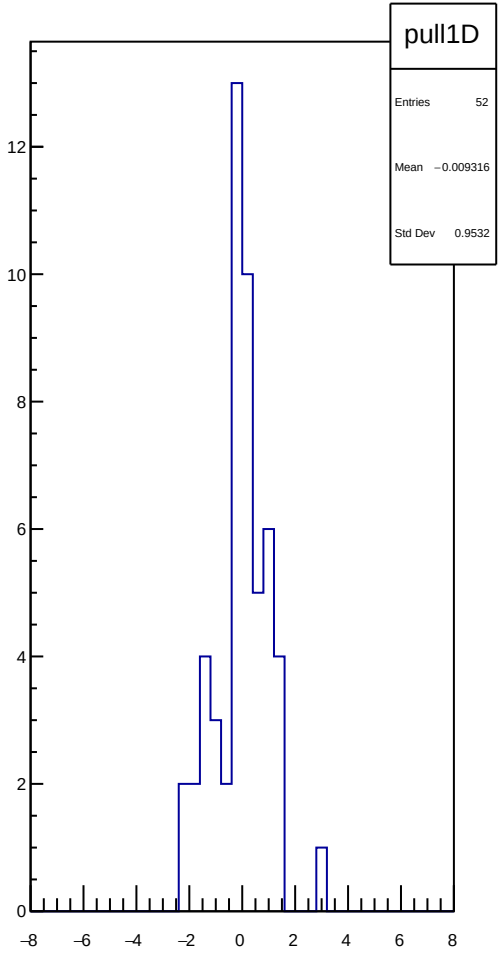

asym_dsl_rms vs run
χ² / ndf 64.28 / 51
p0 304.7 ± 0.3007
314
312
310
308
306
304
302
300
298
296
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 5
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

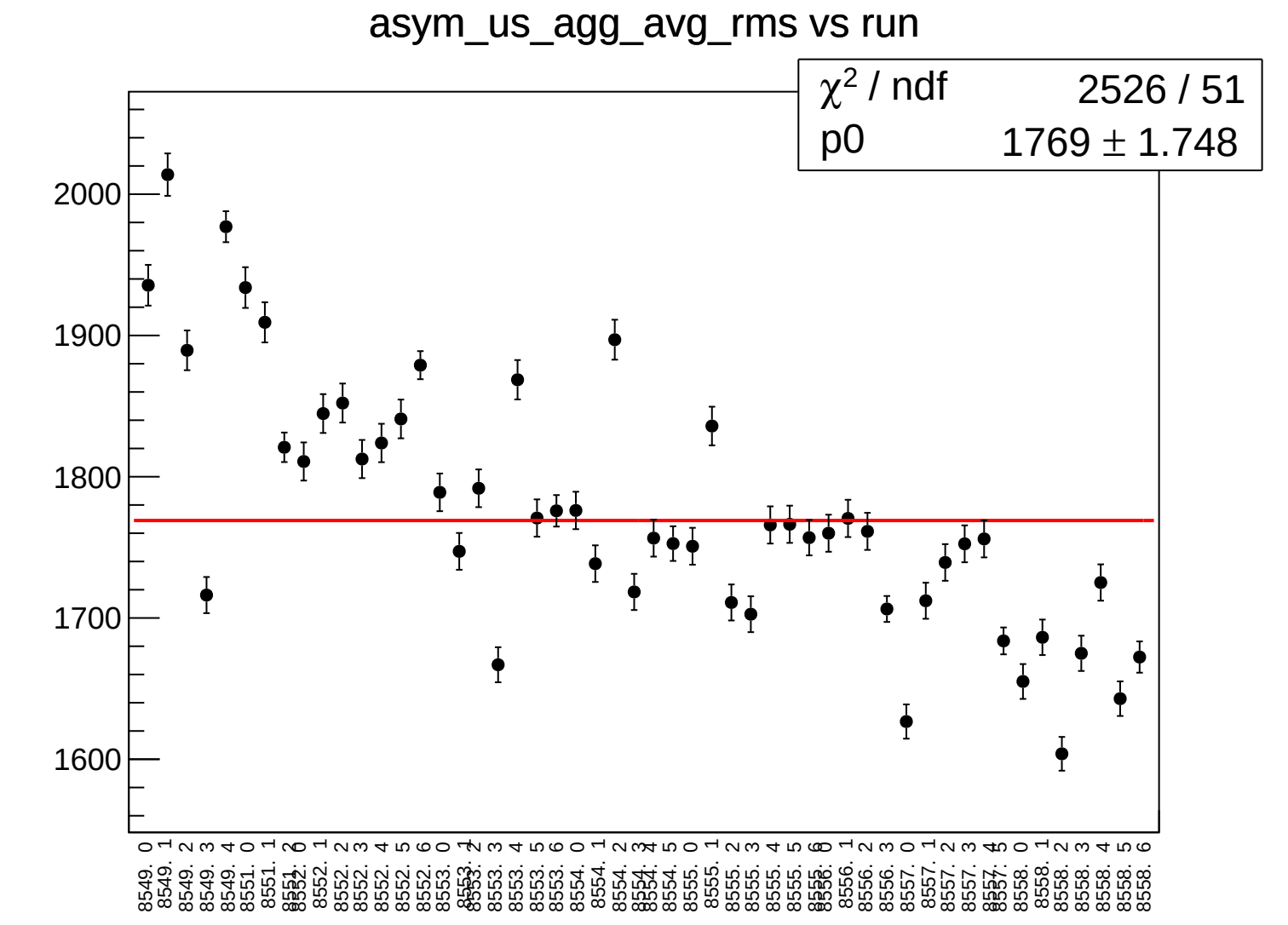

asym_dsr_mean vs run
χ^2 / ndf 37.04 / 51
p0 1128 ± 534.4
10000
5000
0
−5000
−10000
pull
Entries 52
Mean −170.5
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5


pull1D
Entries 52
Mean 0.007199
Std Dev 0.8439
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


asym_dsr_rms vs run
χ² / ndf 134.8 / 51
p0 382.9 ± 0.3779
395
390
385
380
375
370
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6


asym_us_agg_avg_mean vs run
χ² / ndf 47.25 / 51
p0 −1302 ± 2472
pull
Entries 52
Mean 194
Std Dev 0


pull1D
Entries 52
Mean −0.009316
Std Dev 0.9532


asym_us_agg_avg_rms vs run
χ² / ndf 2526 / 51
p0 1769 ± 1.748
2000
1900
1800
1700
1600
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
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8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
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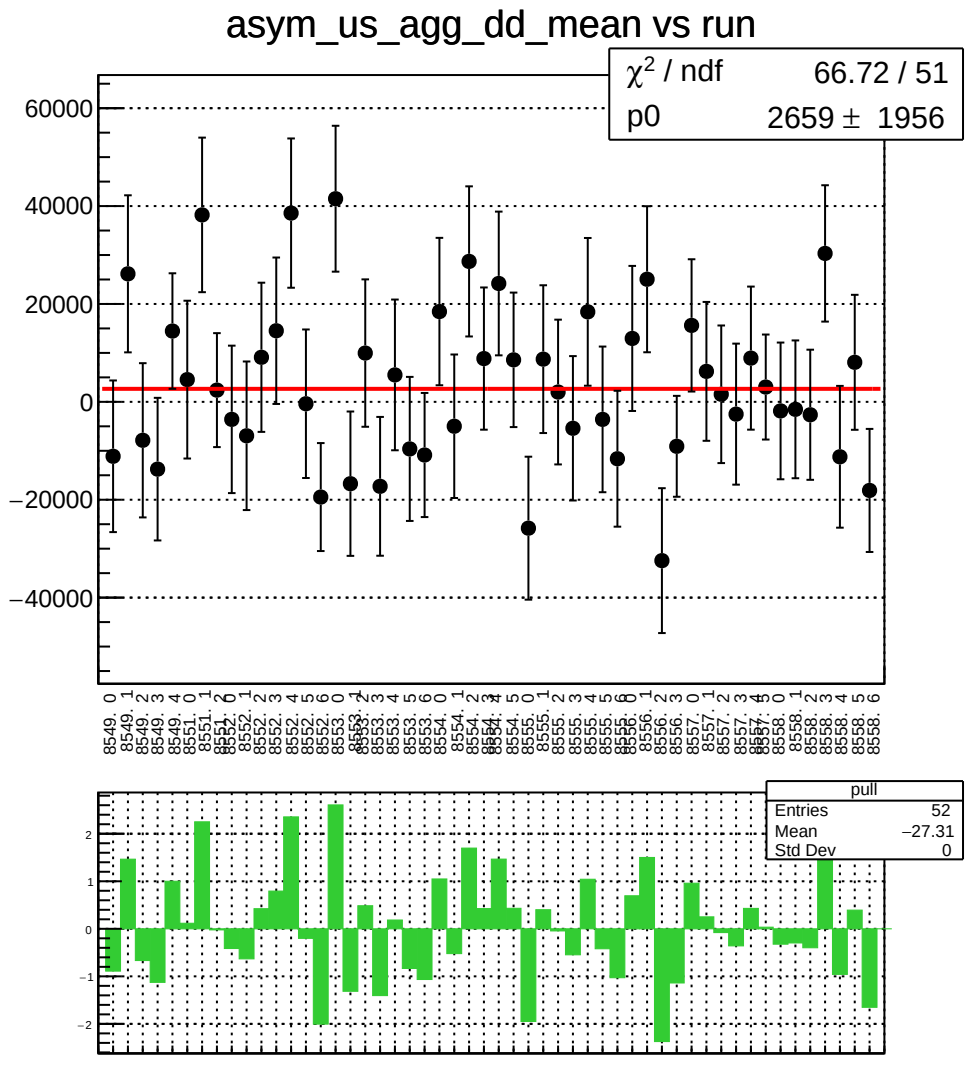
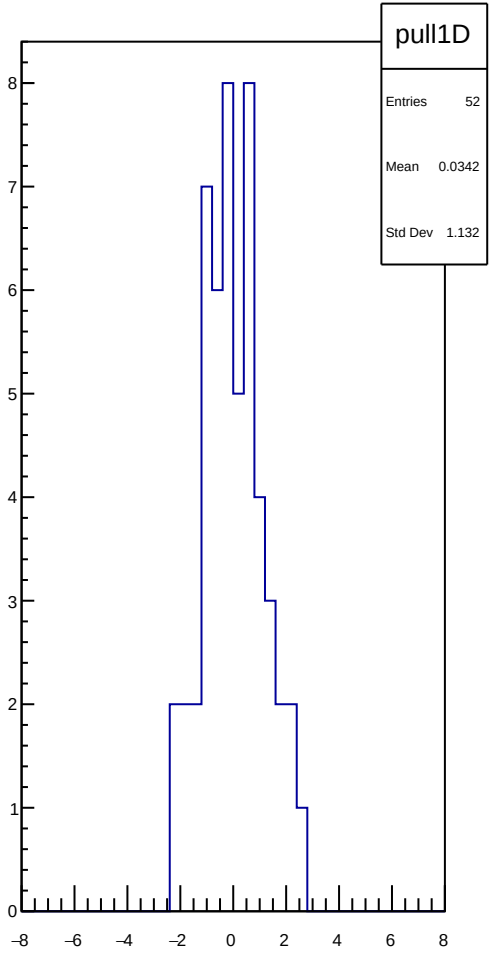
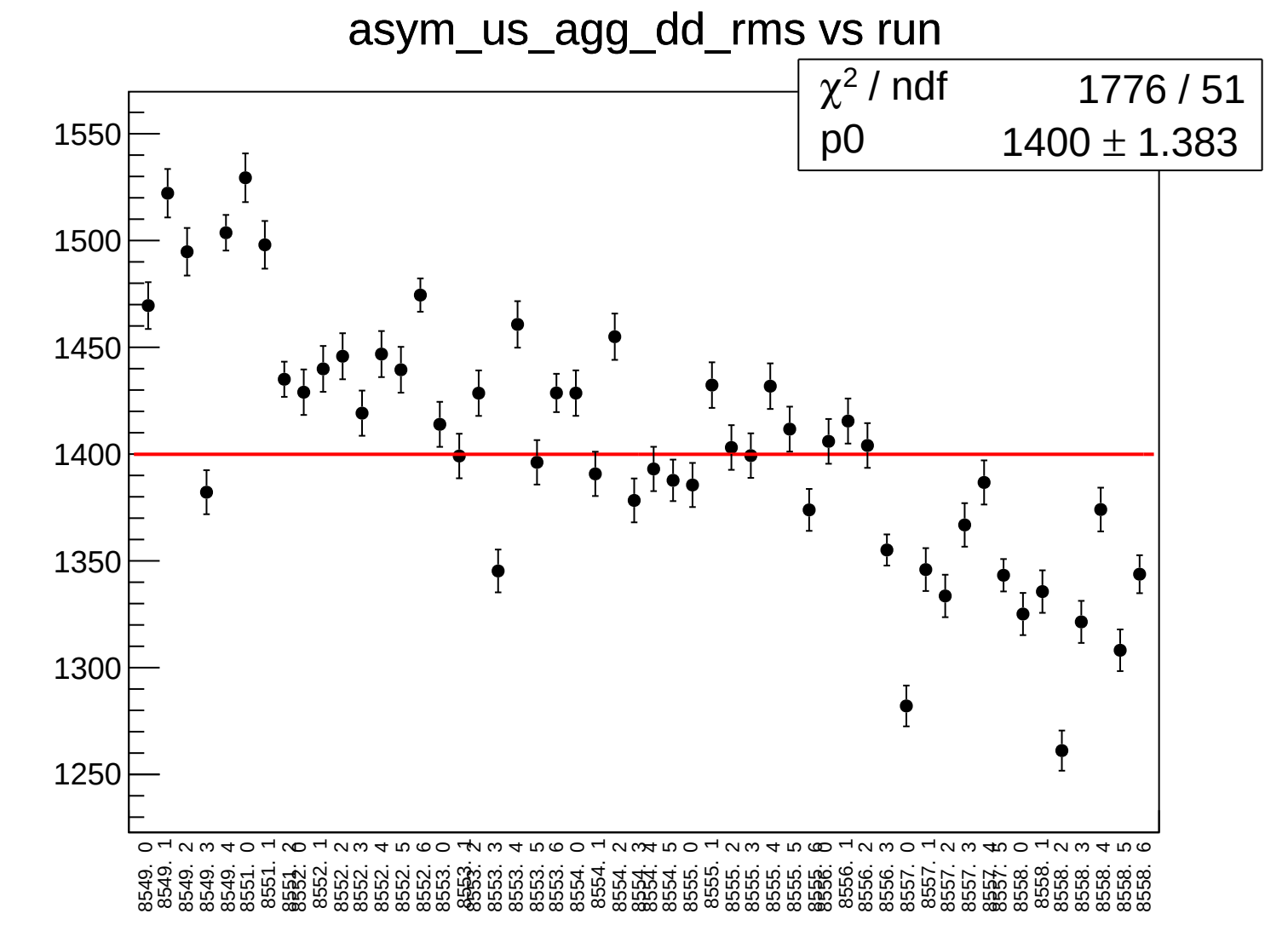
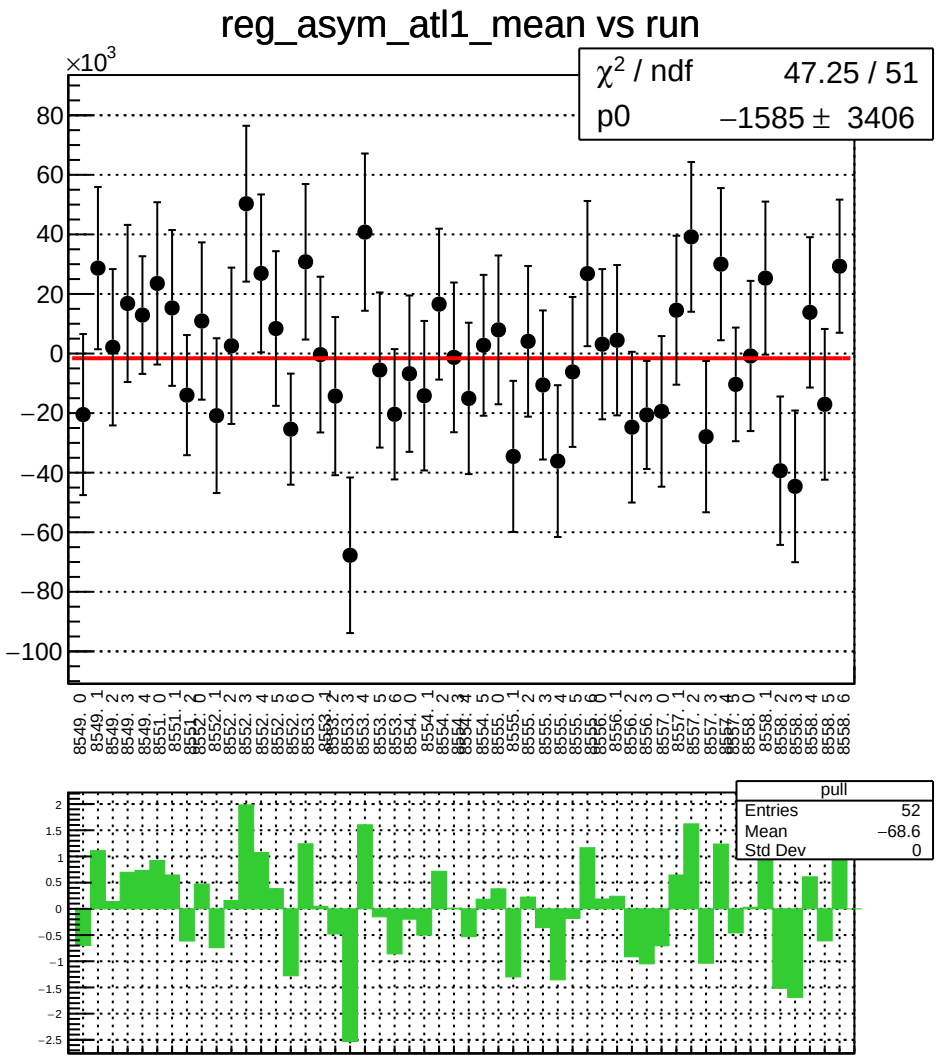
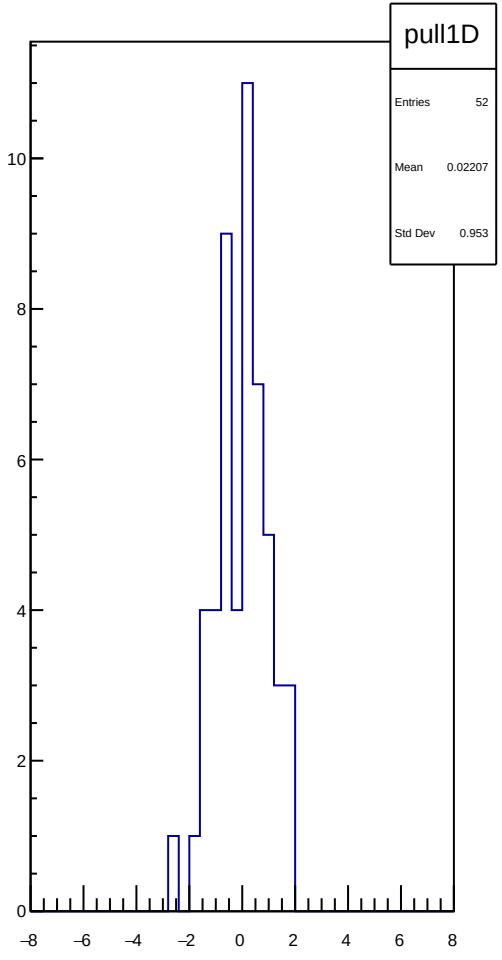
8558. 5
8558. 6

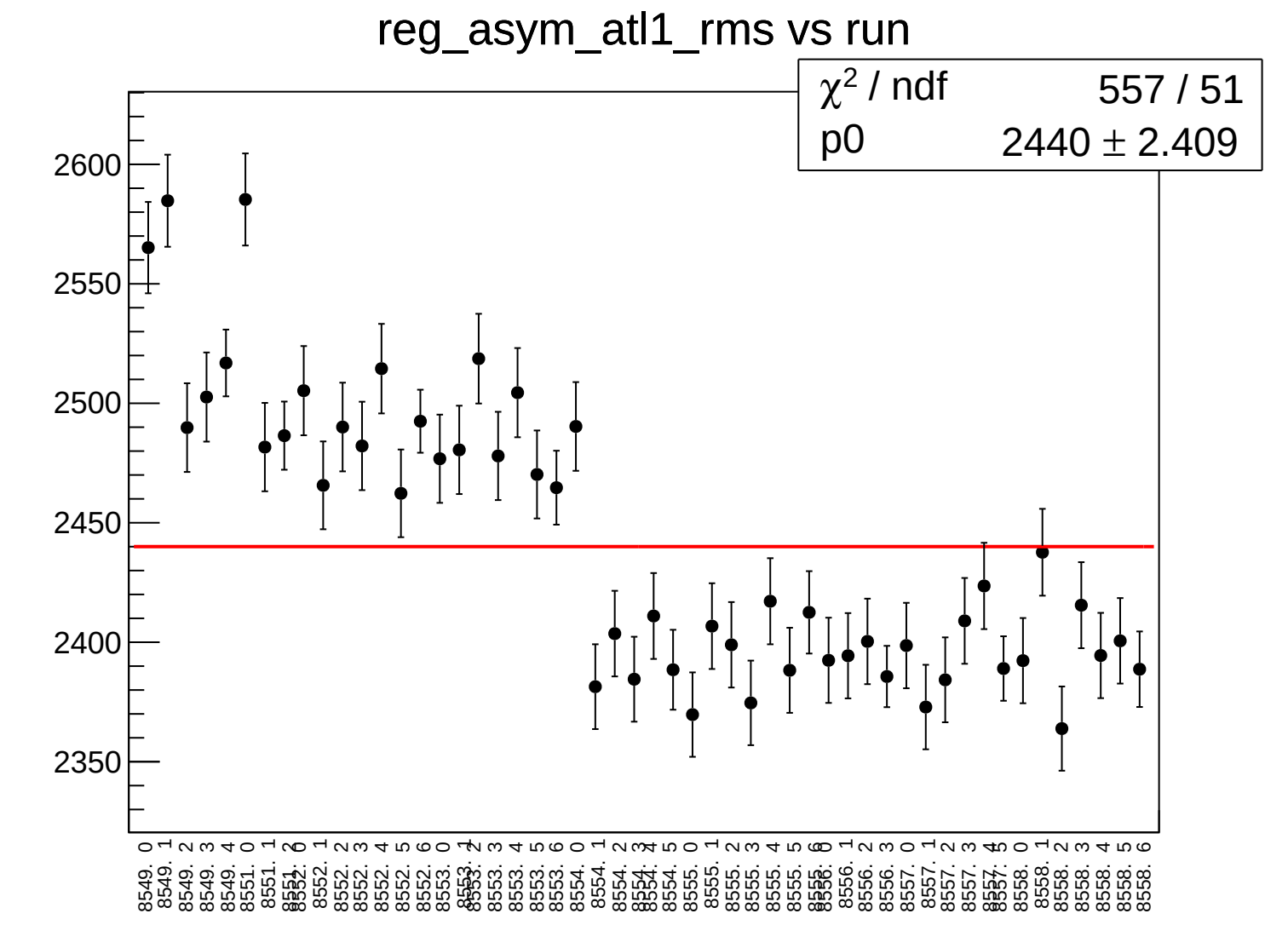

asym_us_agg_dd_mean vs run
χ² / ndf 66.72 / 51
p0 2659 ± 1956
pull
Entries 52
Mean −27.31
Std Dev 0

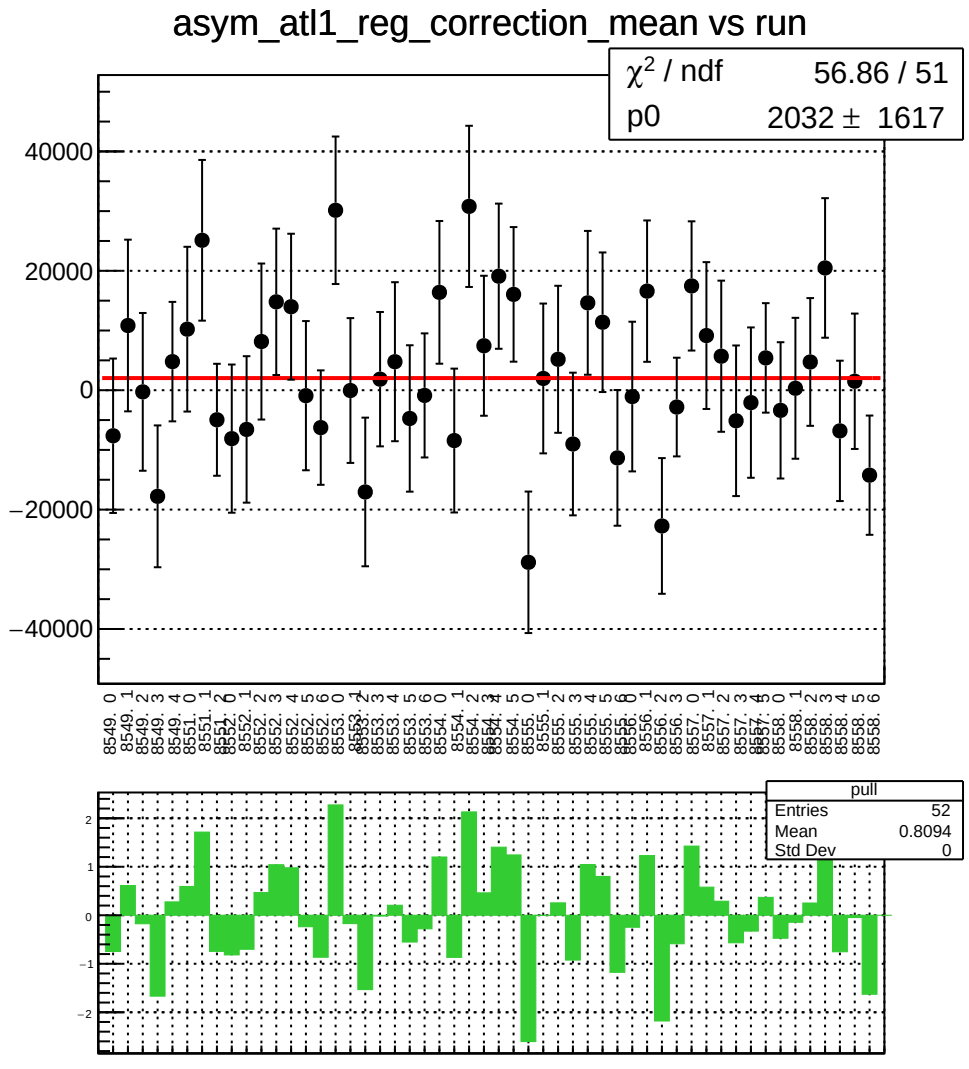

pull1D
Entries 52
Mean 0.0342
Std Dev 1.132

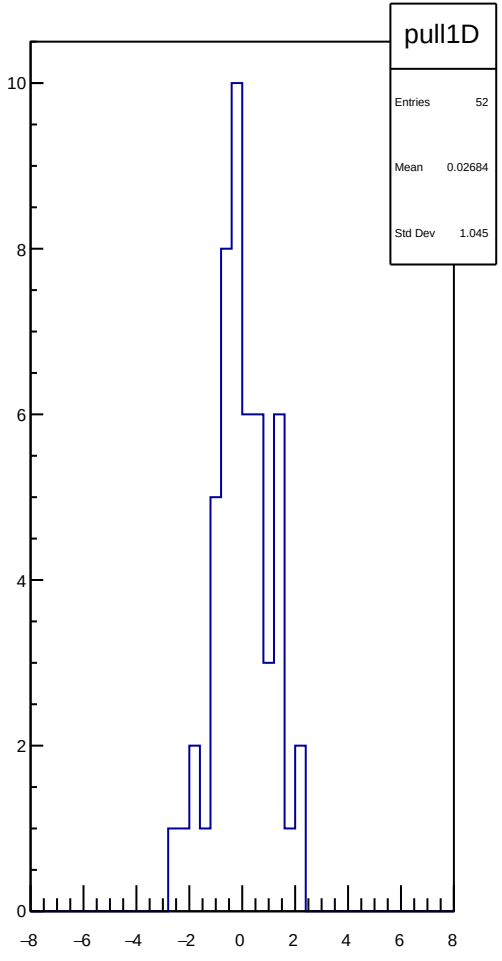

asym_us_agg_dd_rms vs run
χ² / ndf 1776 / 51
p0 1400 ± 1.383
1550
1500
1450
1400
1350
1300
1250
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 5
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

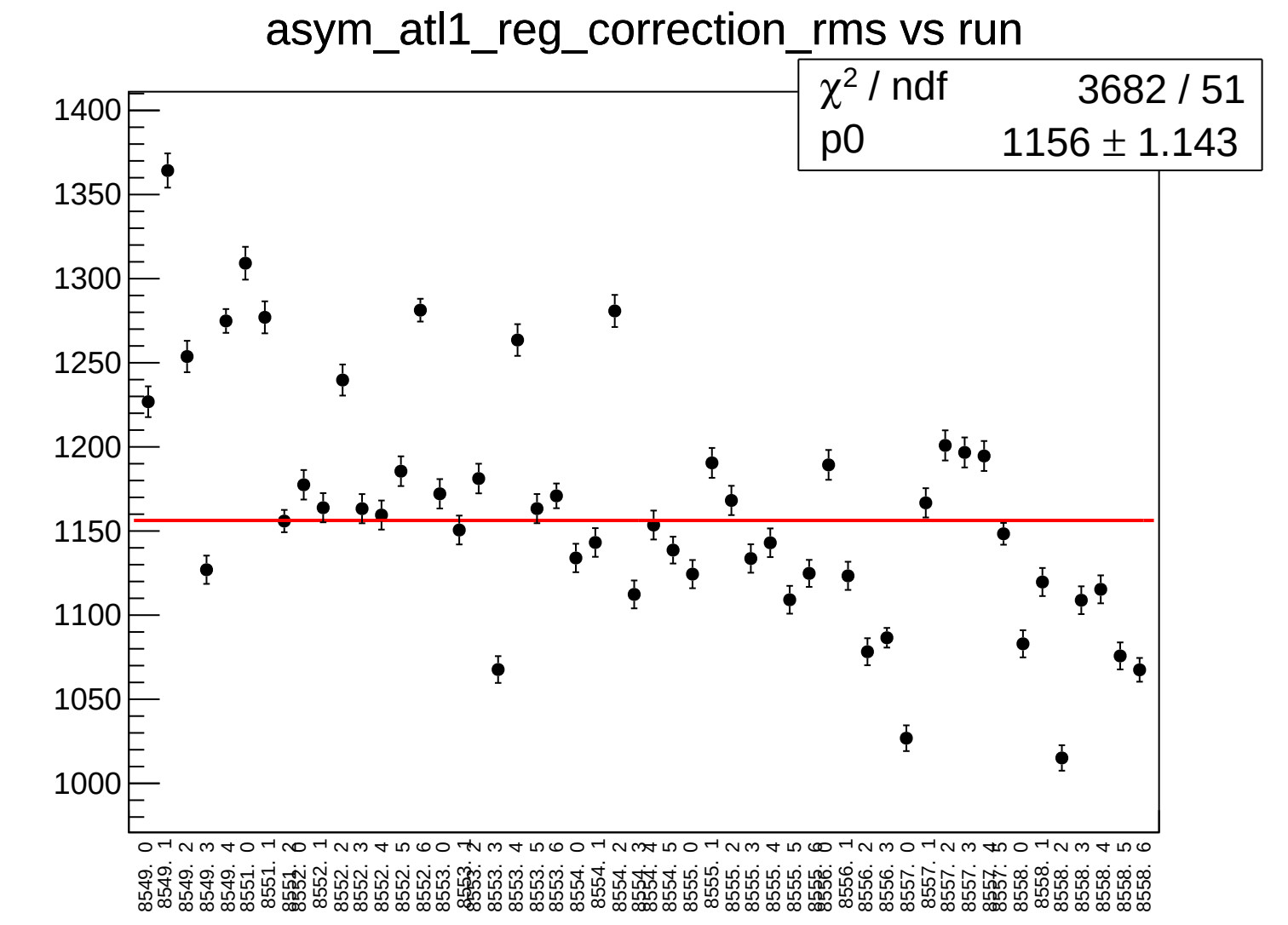

reg_asym_atl1_mean vs run
×10^3
χ² / ndf 47.25 / 51
p0 −1585 ± 3406
pull
Entries 52
Mean −68.6
Std Dev 0

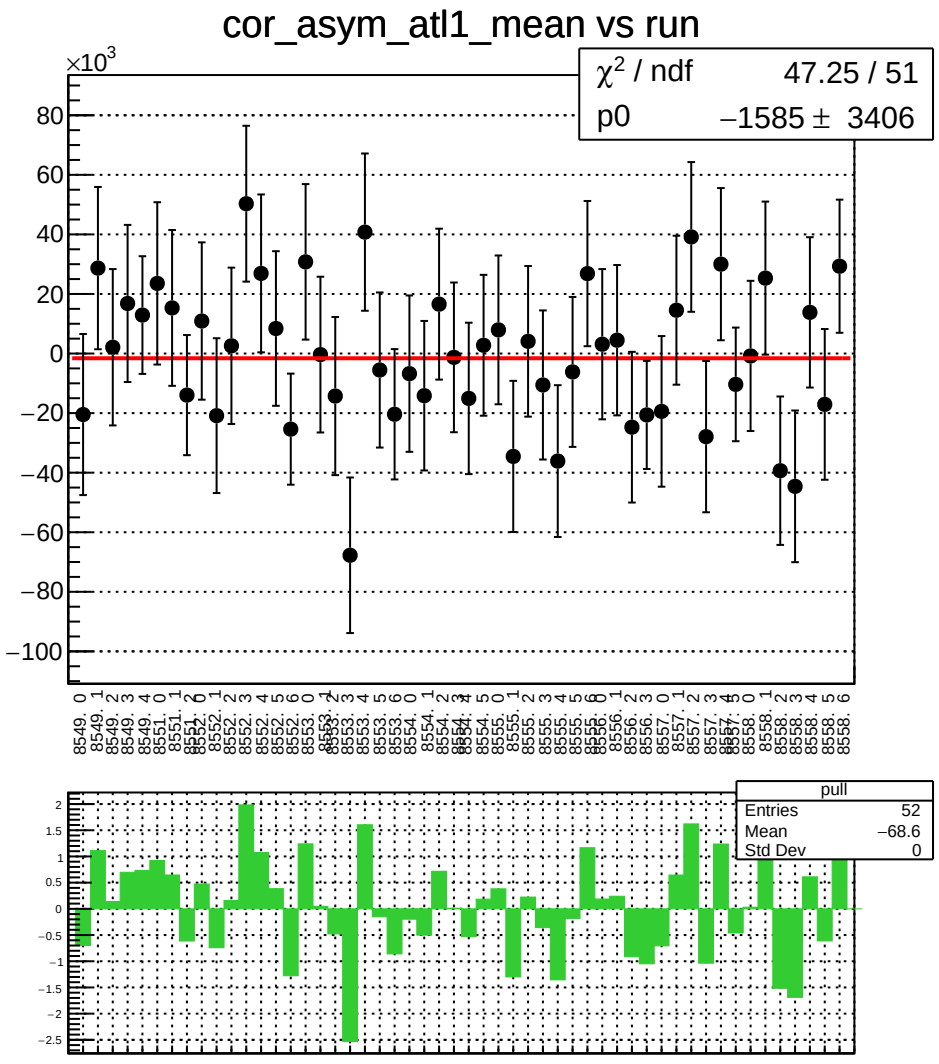

pull1D
Entries 52
Mean 0.02207
Std Dev 0.953

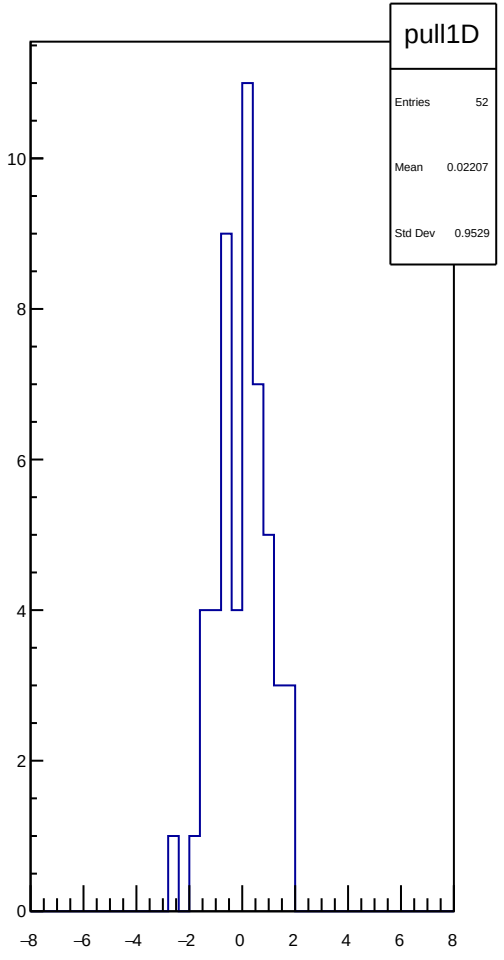

reg_asym_atl1_rms vs run
χ² / ndf 557 / 51
p0 2440 ± 2.409
2600
2550
2500
2450
2400
2350
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

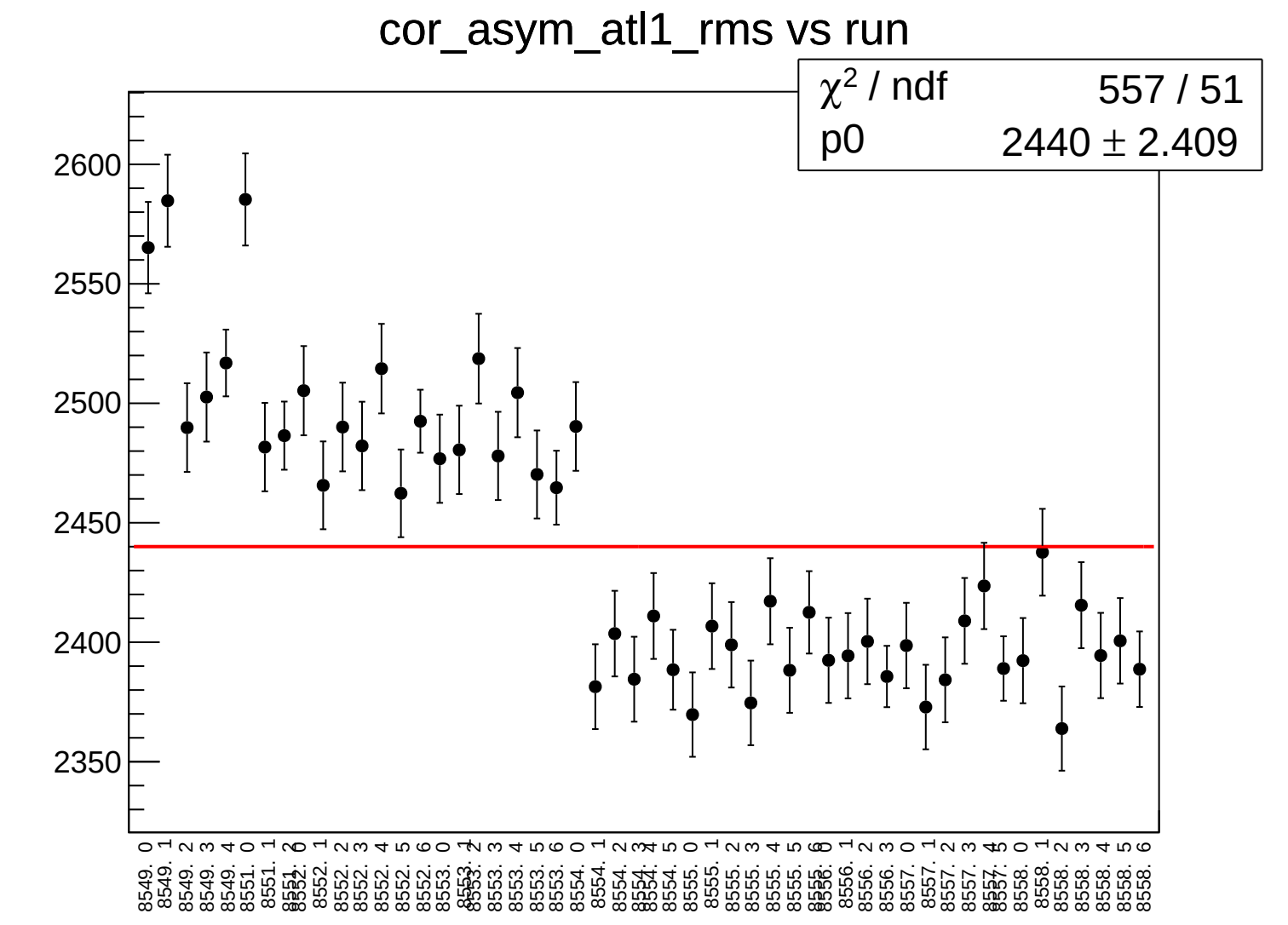

asym_atl1_reg_correction_mean vs run
χ² / ndf 56.86 / 51
p0 2032 ± 1617
40000
20000
0
−20000
−40000
pull
Entries 52
Mean 0.8094
Std Dev 0
2
1
0
−1
−2


pull1D
Entries 52
Mean 0.02684
Std Dev 1.045
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


asym_atl1_reg_correction_rms vs run
χ² / ndf 3682 / 51
p0 1156 ± 1.143
1400
1350
1300
1250
1200
1150
1100
1050
1000
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6


cor_asym_atl1_mean vs run
χ² / ndf 47.25 / 51
p0 −1585 ± 3406
pull
Entries 52
Mean −68.6
Std Dev 0


pull1D
Entries 52
Mean 0.02207
Std Dev 0.9529


cor_asym_atl1_rms vs run
χ² / ndf 557 / 51
p0 2440 ± 2.409
2600
2550
2500
2450
2400
2350
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
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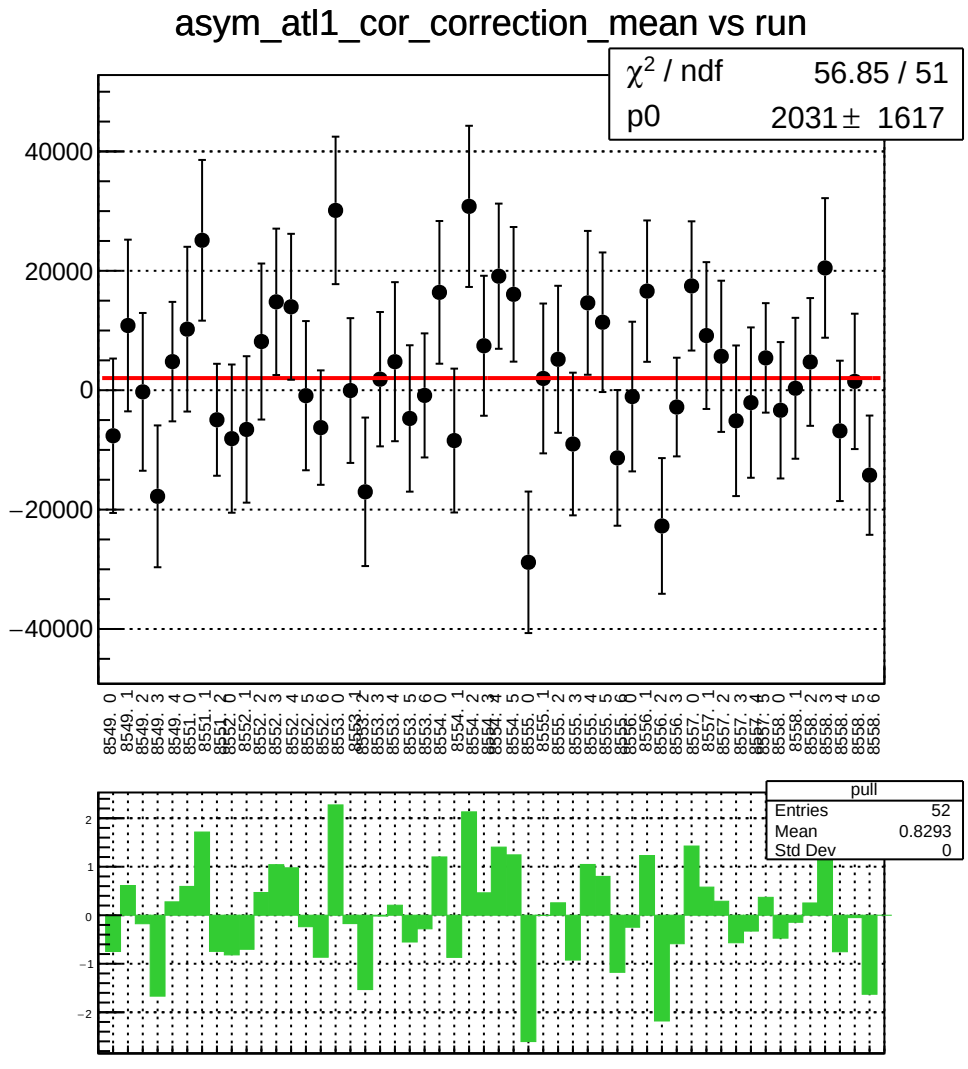
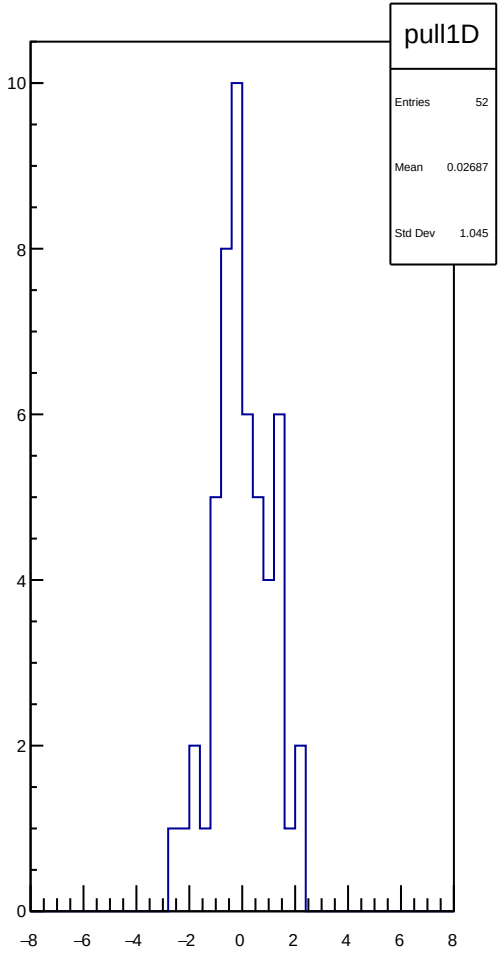
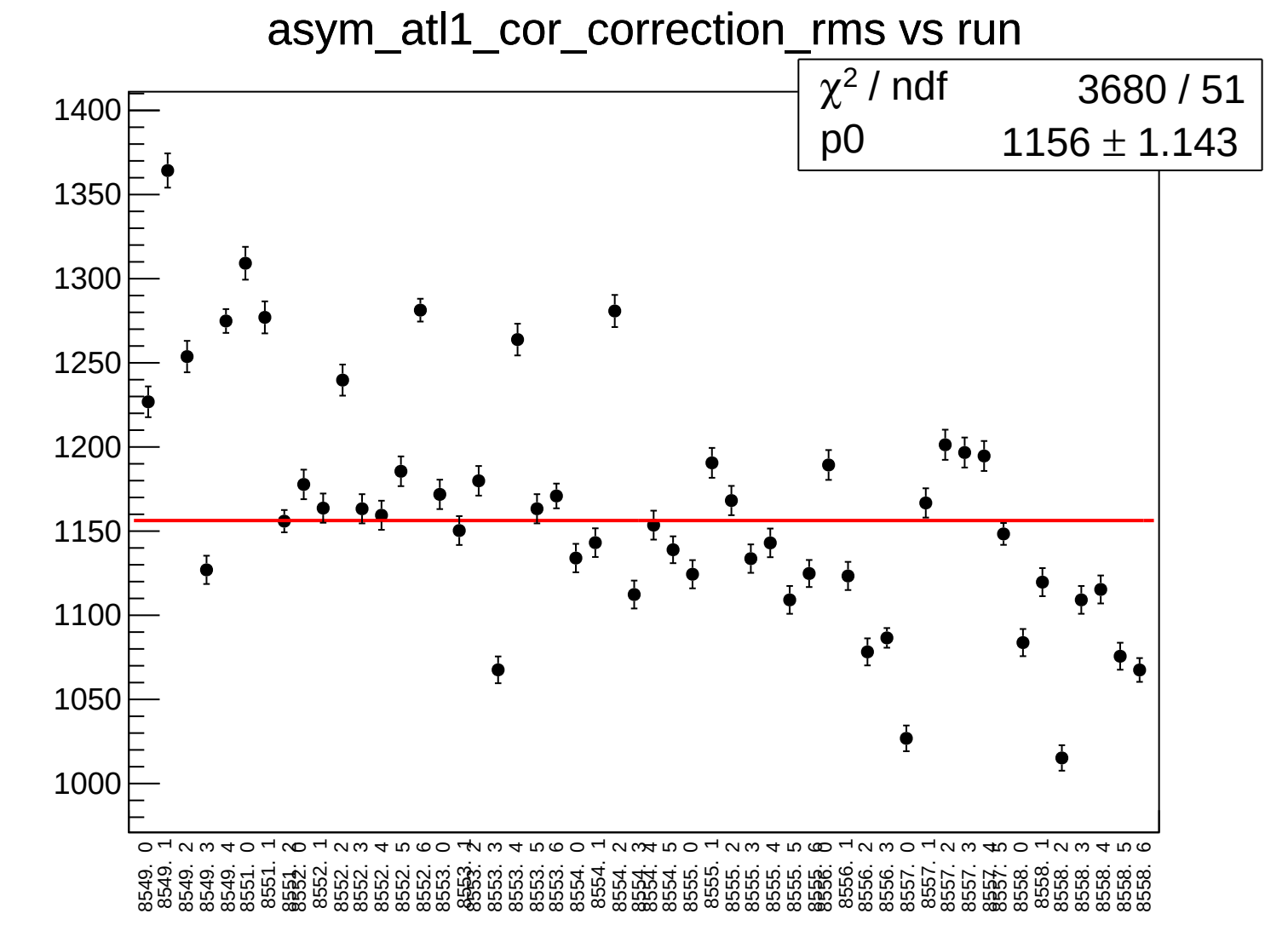
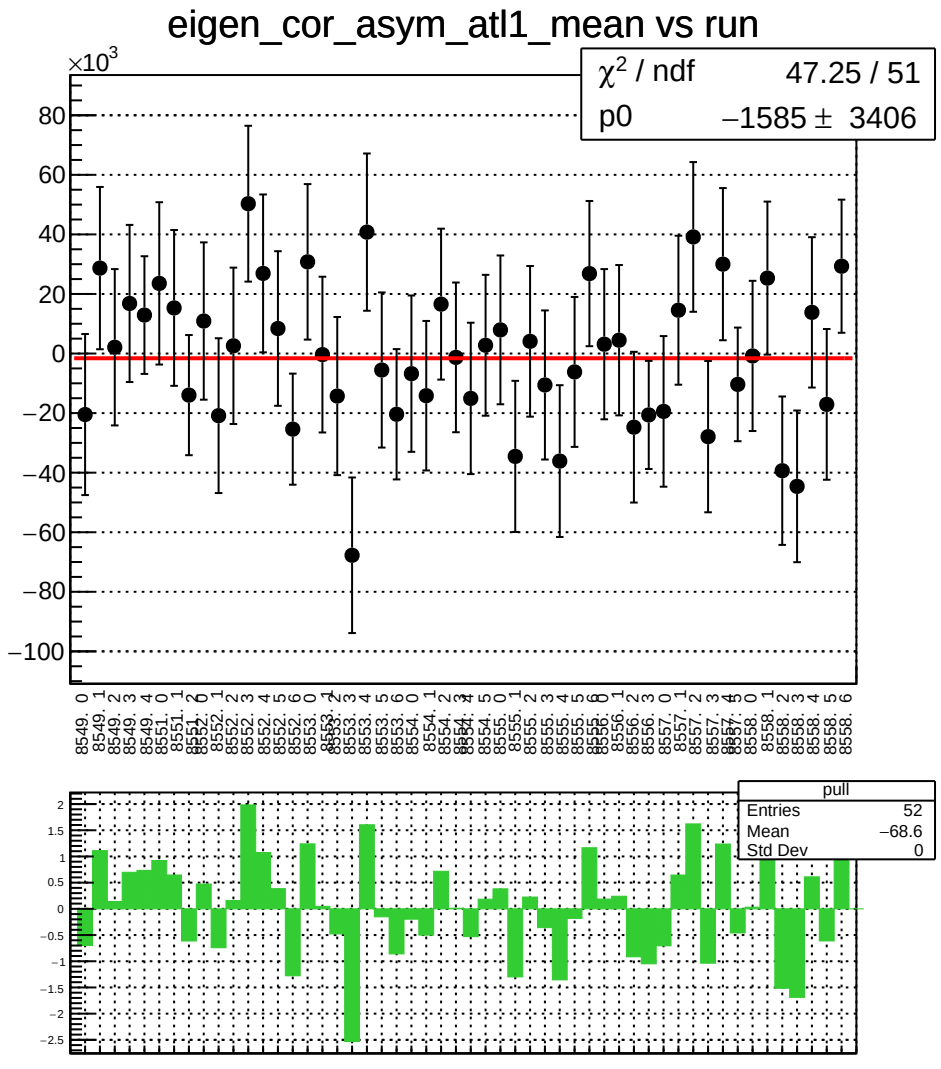
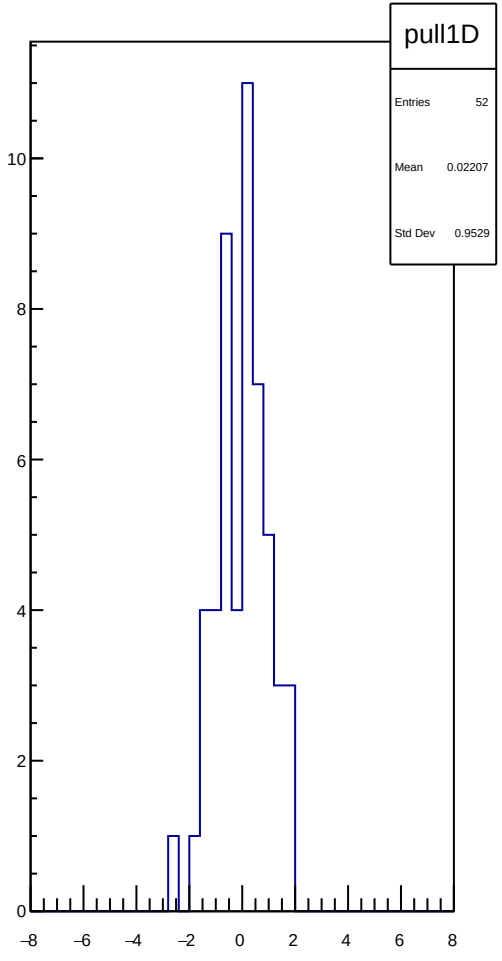
8558. 5
8558. 6

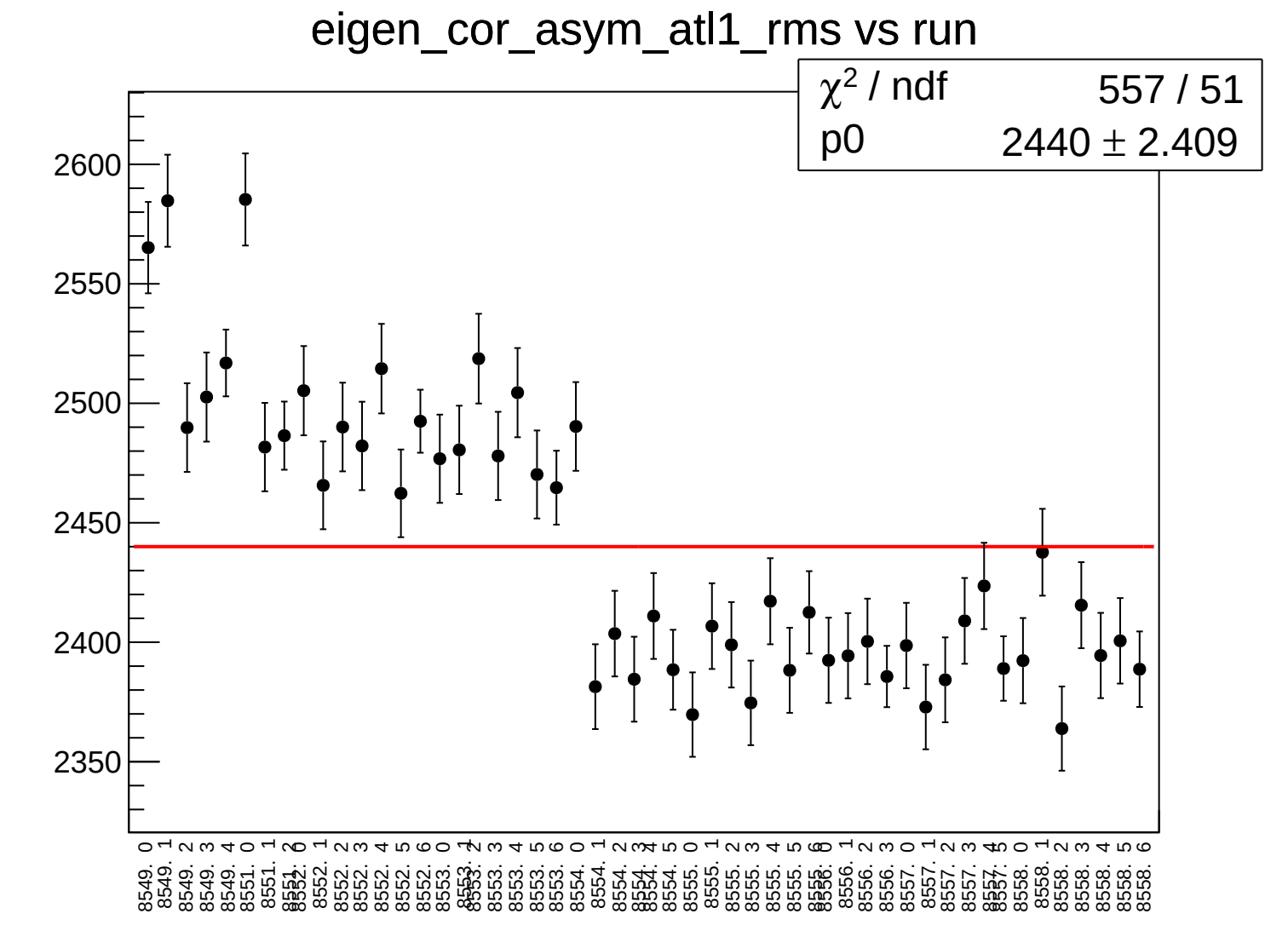

asym_atl1_cor_correction_mean vs run
χ² / ndf 56.85 / 51
p0 2031 ± 1617
40000
20000
0
−20000
−40000
pull
Entries 52
Mean 0.8293
Std Dev 0
2
1
0
−1
−2


pull1D
Entries 52
Mean 0.02687
Std Dev 1.045
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


asym_atl1_cor_correction_rms vs run
χ² / ndf 3680 / 51
p0 1156 ± 1.143
1400
1350
1300
1250
1200
1150
1100
1050
1000
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6


eigen_cor_asym_atl1_mean vs run
×10^3
χ^2 / ndf 47.25 / 51
p0 −1585 ± 3406
pull
Entries 52
Mean −68.6
Std Dev 0


pull1D
Entries 52
Mean 0.02207
Std Dev 0.9529


eigen_cor_asym_atl1_rms vs run
χ² / ndf 557 / 51
p0 2440 ± 2.409
2600
2550
2500
2450
2400
2350
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
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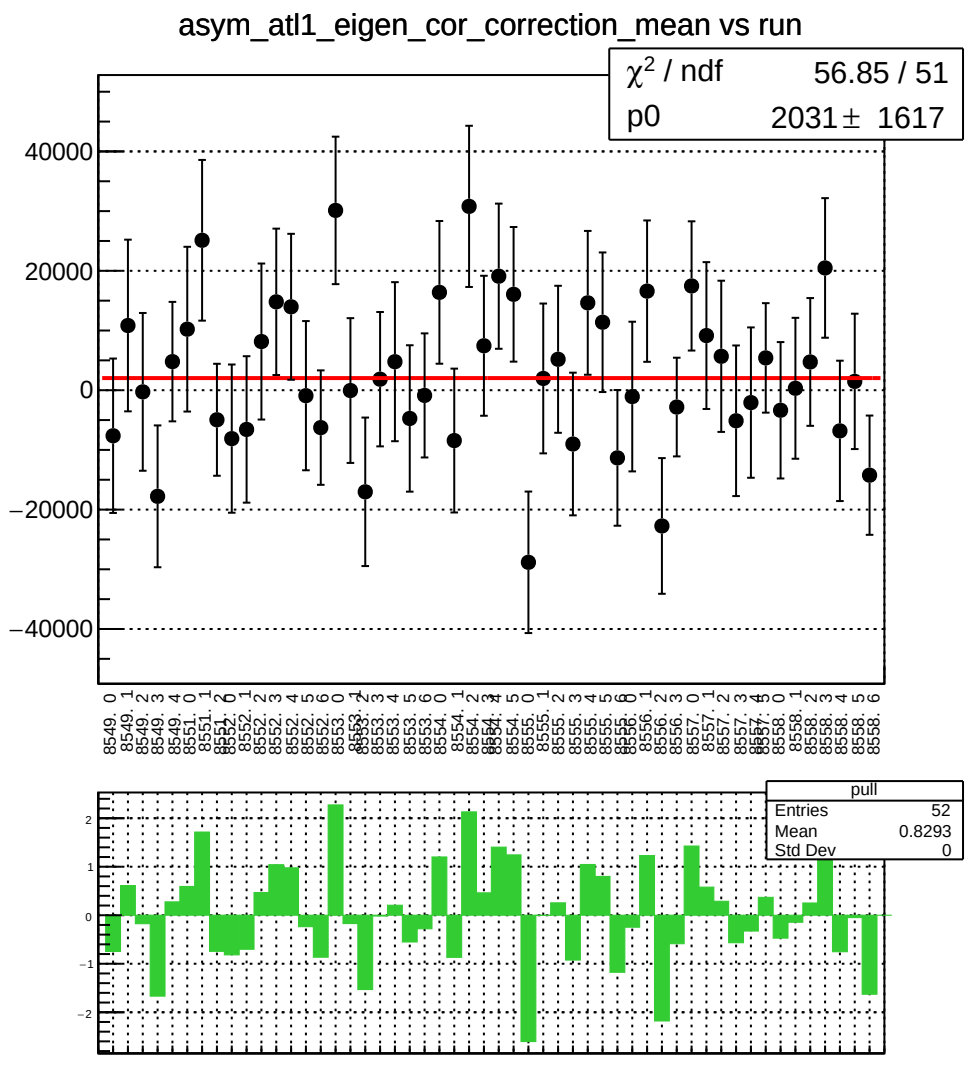
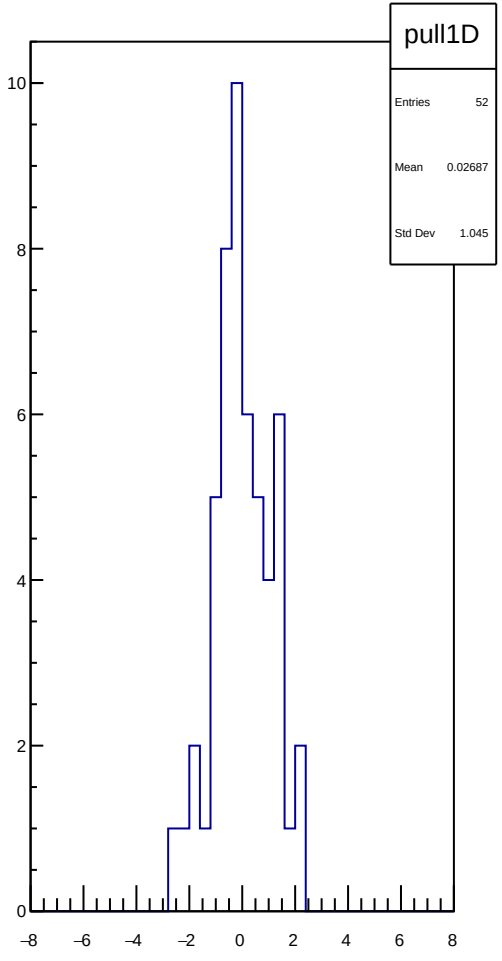
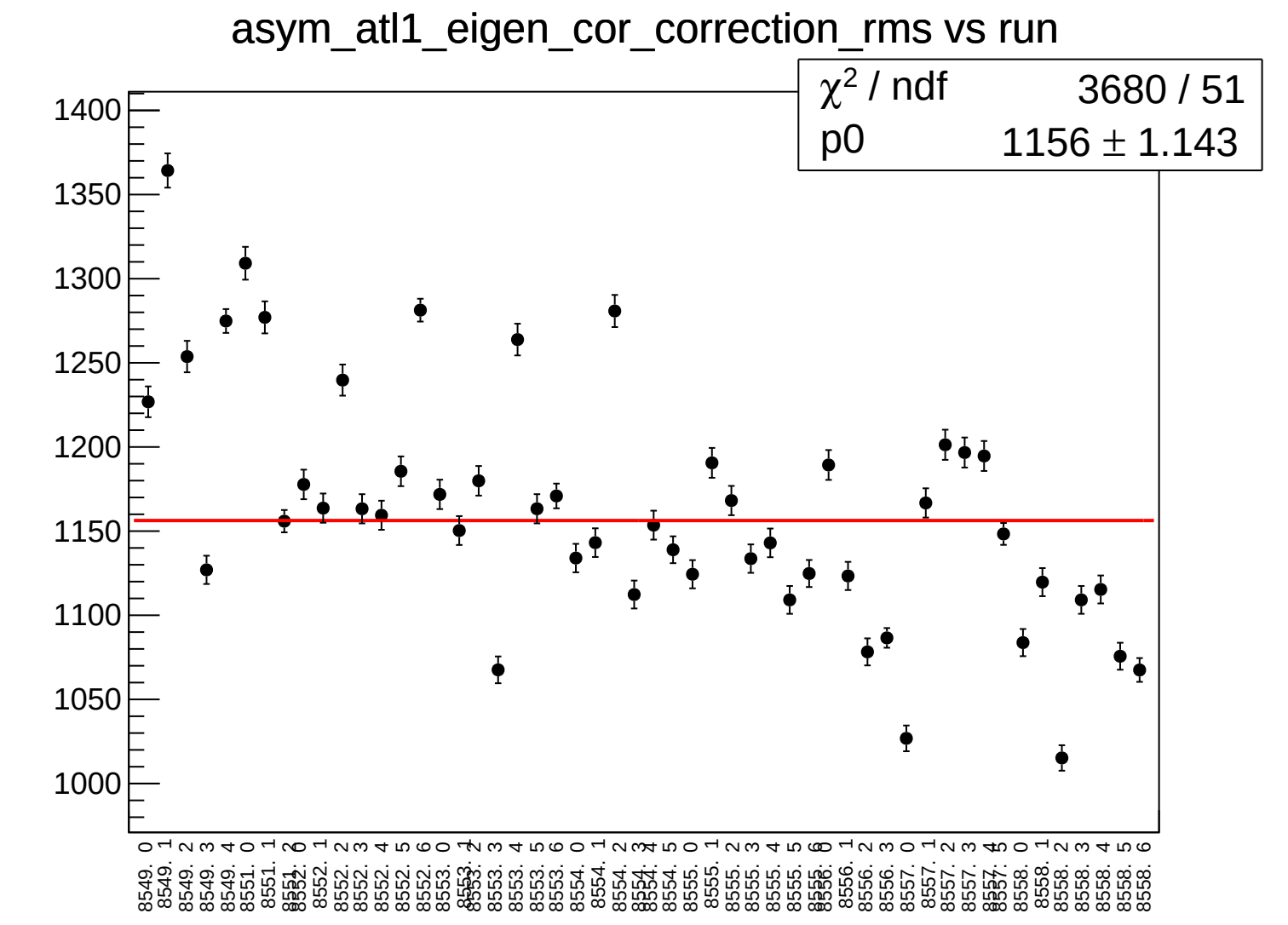
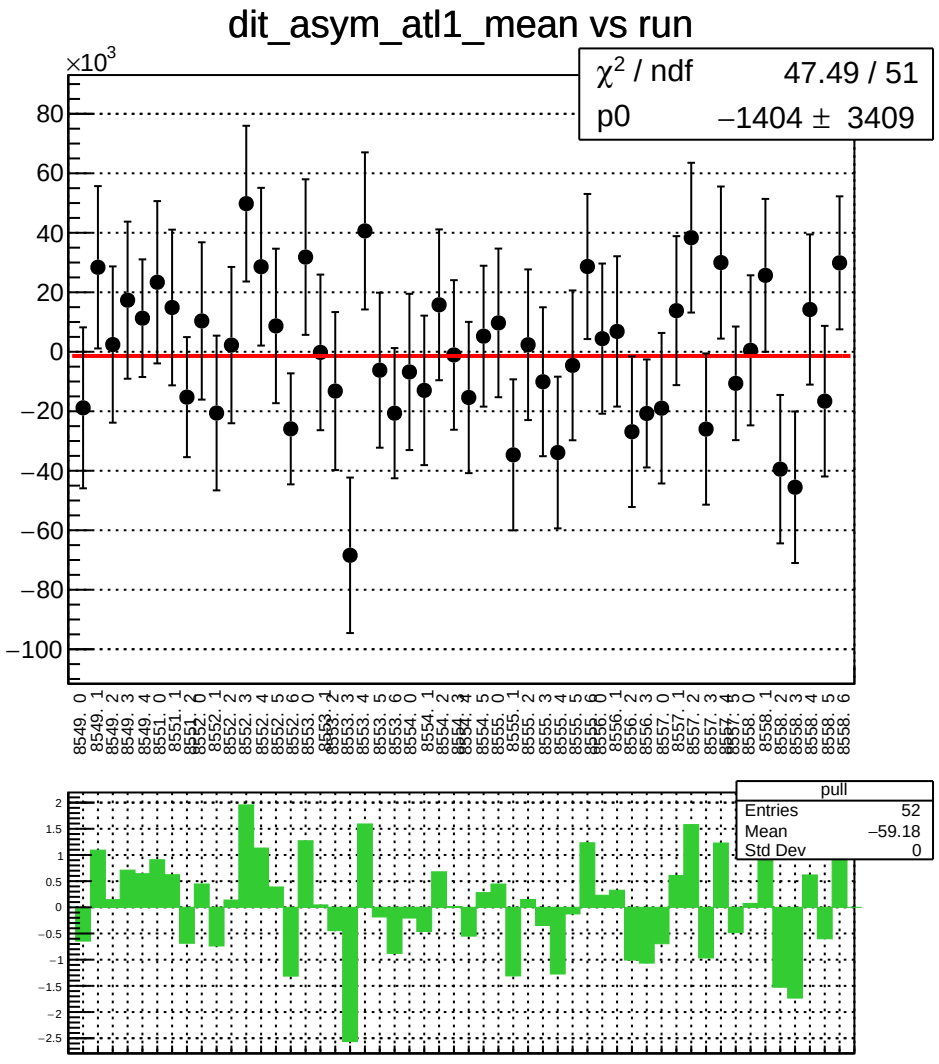
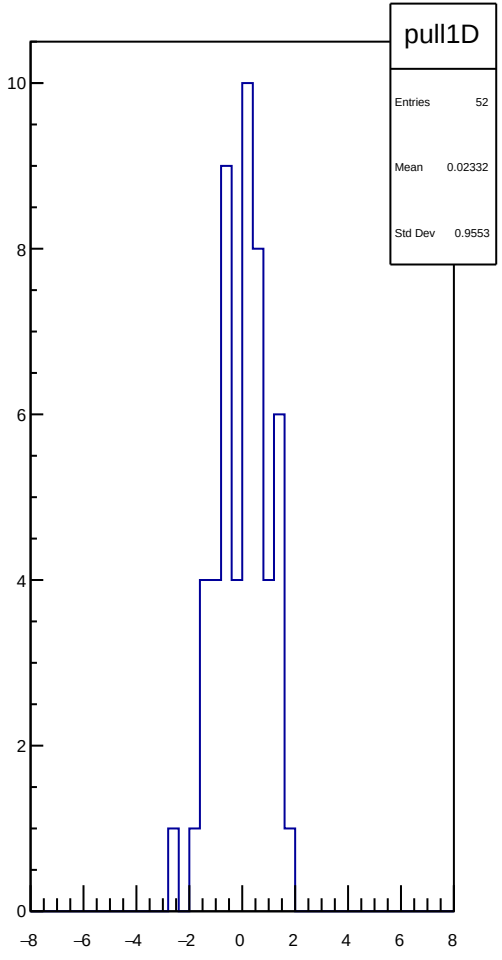
8558. 4
8558. 5
8558. 6

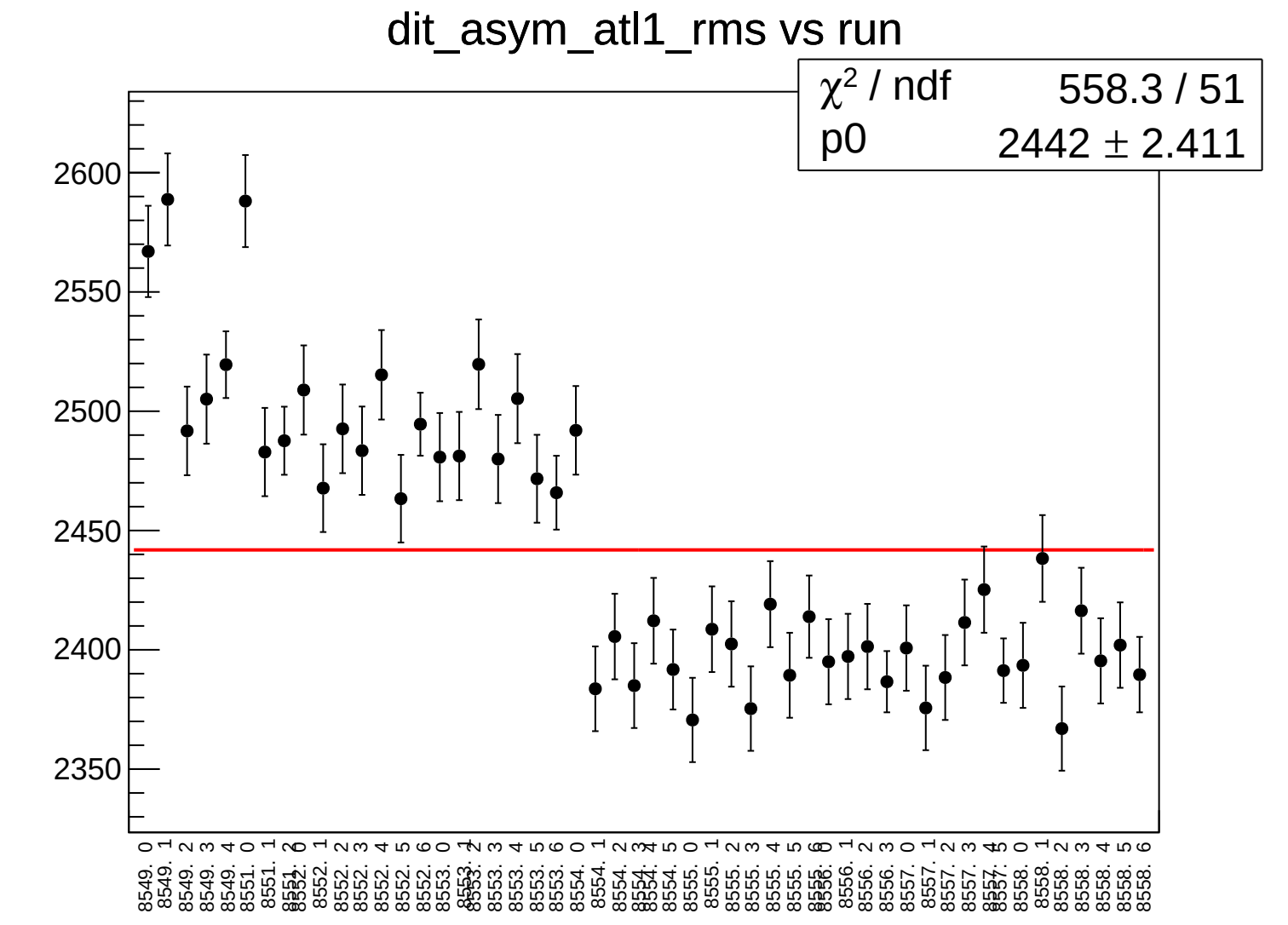

asym_atl1_eigen_cor_correction_mean vs run
χ² / ndf 56.85 / 51
p0 2031 ± 1617
40000
20000
0
−20000
−40000
pull
Entries 52
Mean 0.8293
Std Dev 0
2
1
0
−1
−2

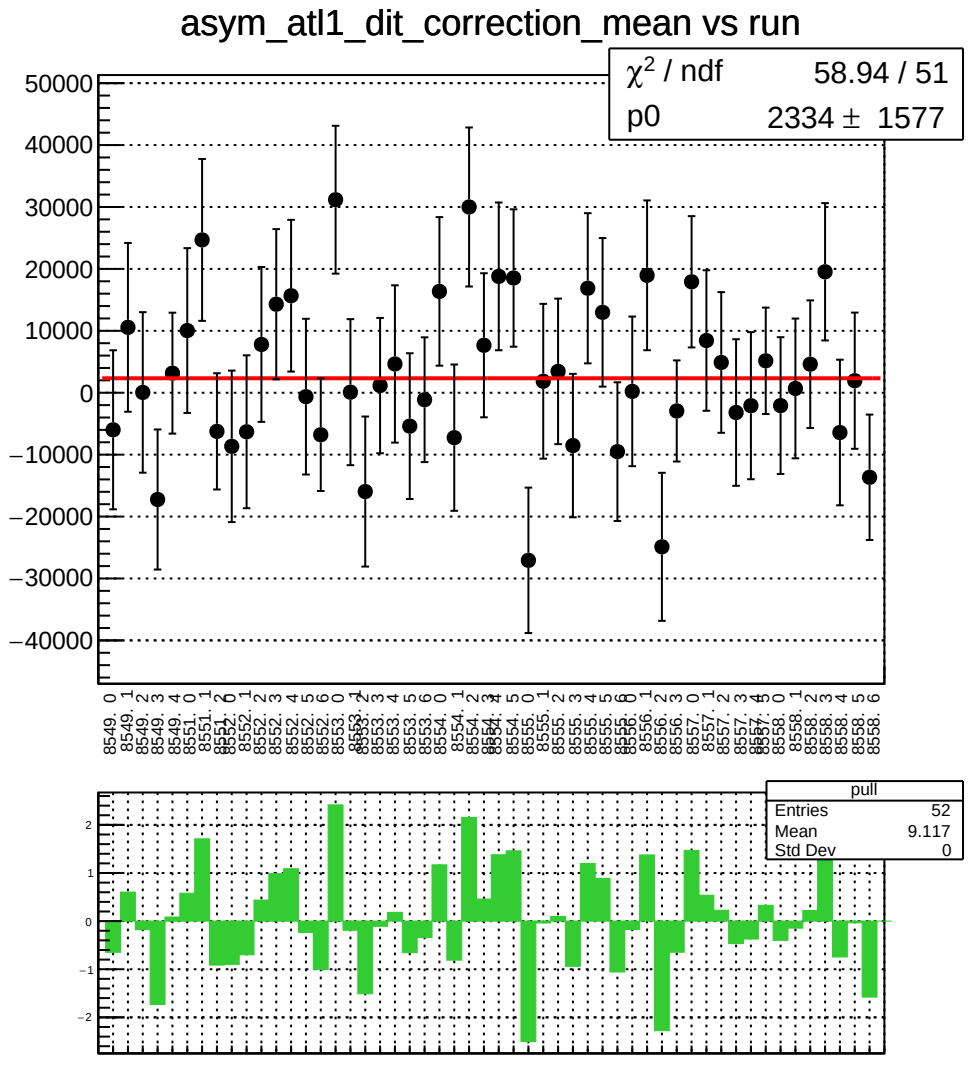

pull1D
Entries 52
Mean 0.02687
Std Dev 1.045
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

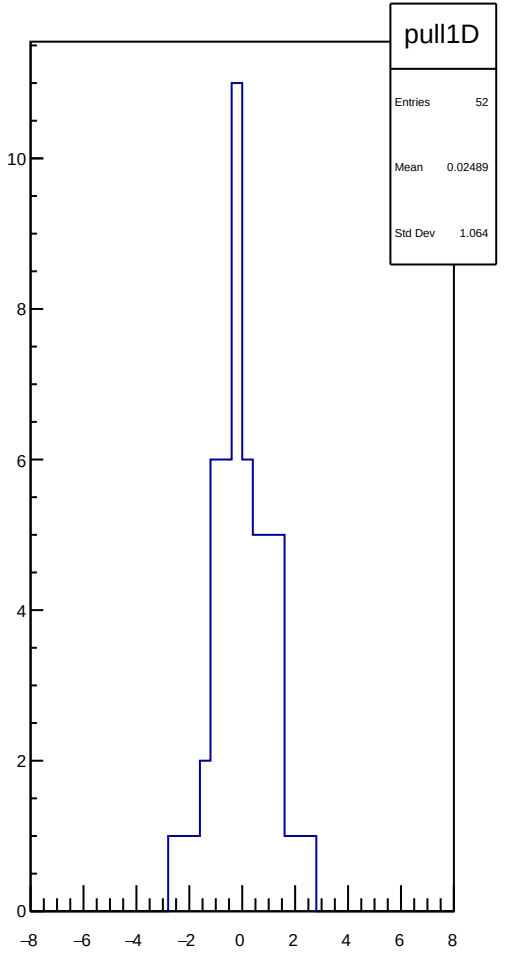

asym_atl1_eigen_cor_correction_rms vs run
χ² / ndf 3680 / 51
p0 1156 ± 1.143
1400
1350
1300
1250
1200
1150
1100
1050
1000
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

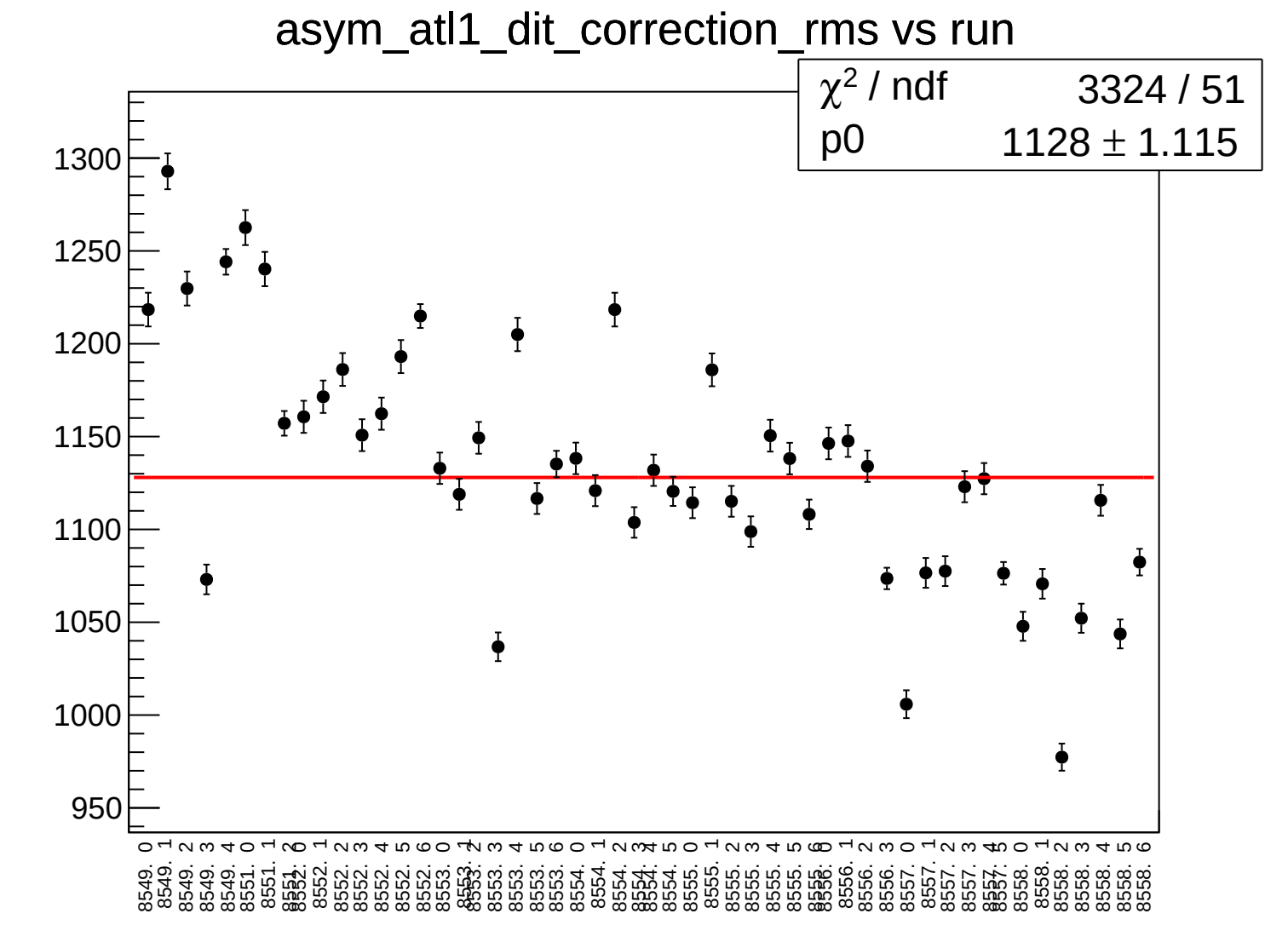

dit_asym_atl1_mean vs run
×10^3
χ^2 / ndf 47.49 / 51
p0 −1404 ± 3409
pull
Entries 52
Mean −59.18
Std Dev 0


pull1D
Entries 52
Mean 0.02332
Std Dev 0.9553


dit_asym_atl1_rms vs run
χ² / ndf 558.3 / 51
p0 2442 ± 2.411
2600
2550
2500
2450
2400
2350
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6


asym_atl1_dit_correction_mean vs run
χ² / ndf 58.94 / 51
p0 2334 ± 1577
pull
Entries 52
Mean 9.117
Std Dev 0


pull1D
Entries 52
Mean 0.02489
Std Dev 1.064


asym_atl1_dit_correction_rms vs run
χ² / ndf 3324 / 51
p0 1128 ± 1.115
1300
1250
1200
1150
1100
1050
1000
950
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 5
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
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8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
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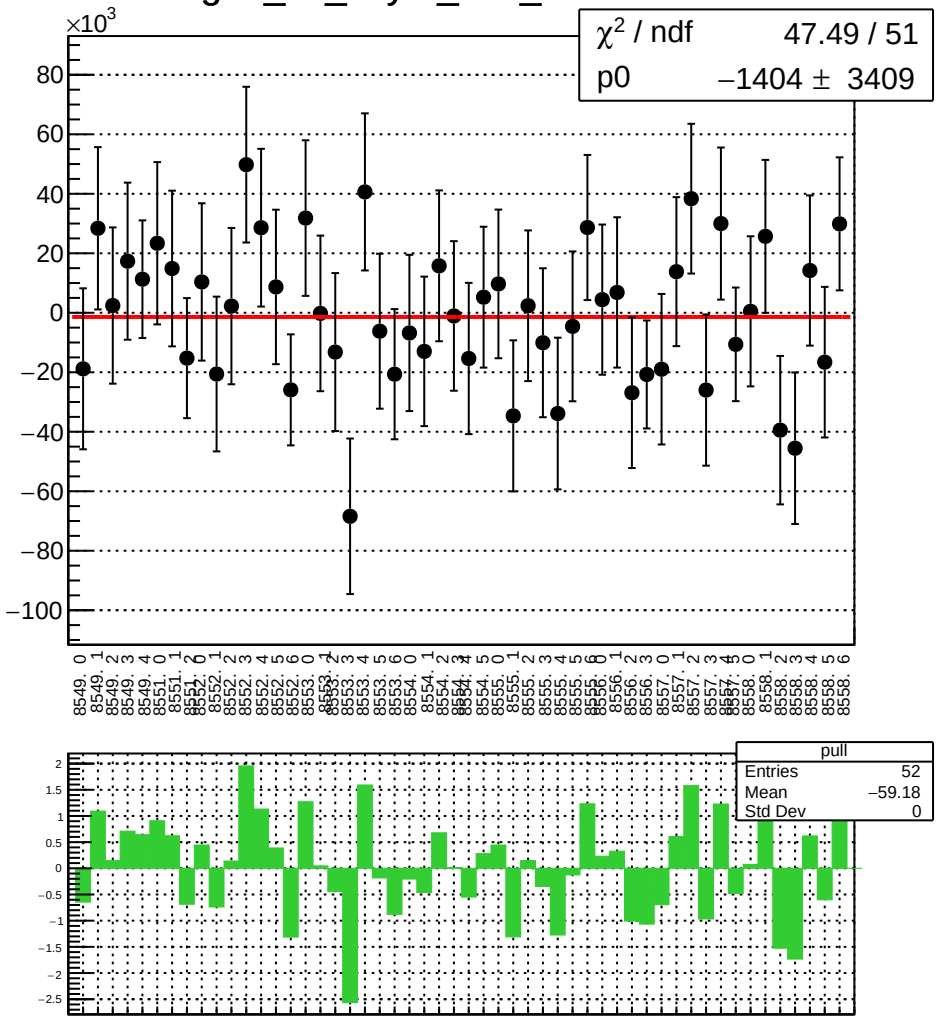
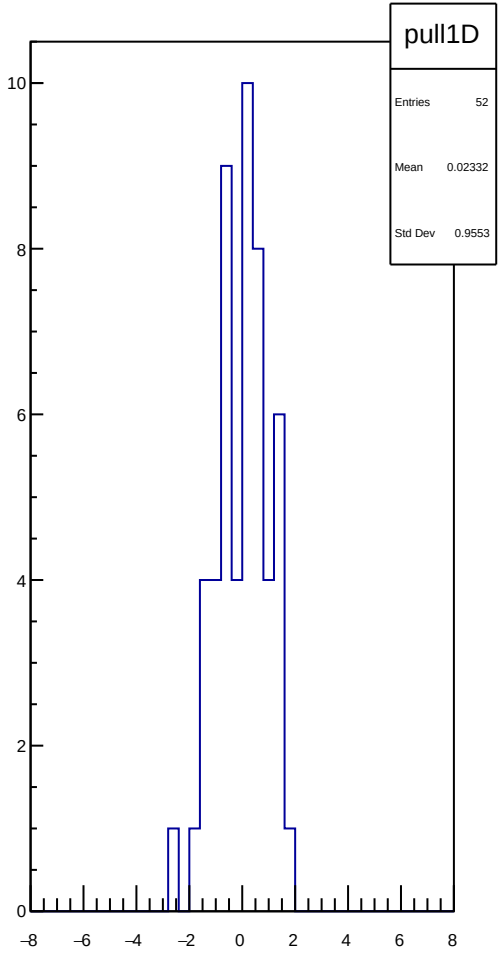
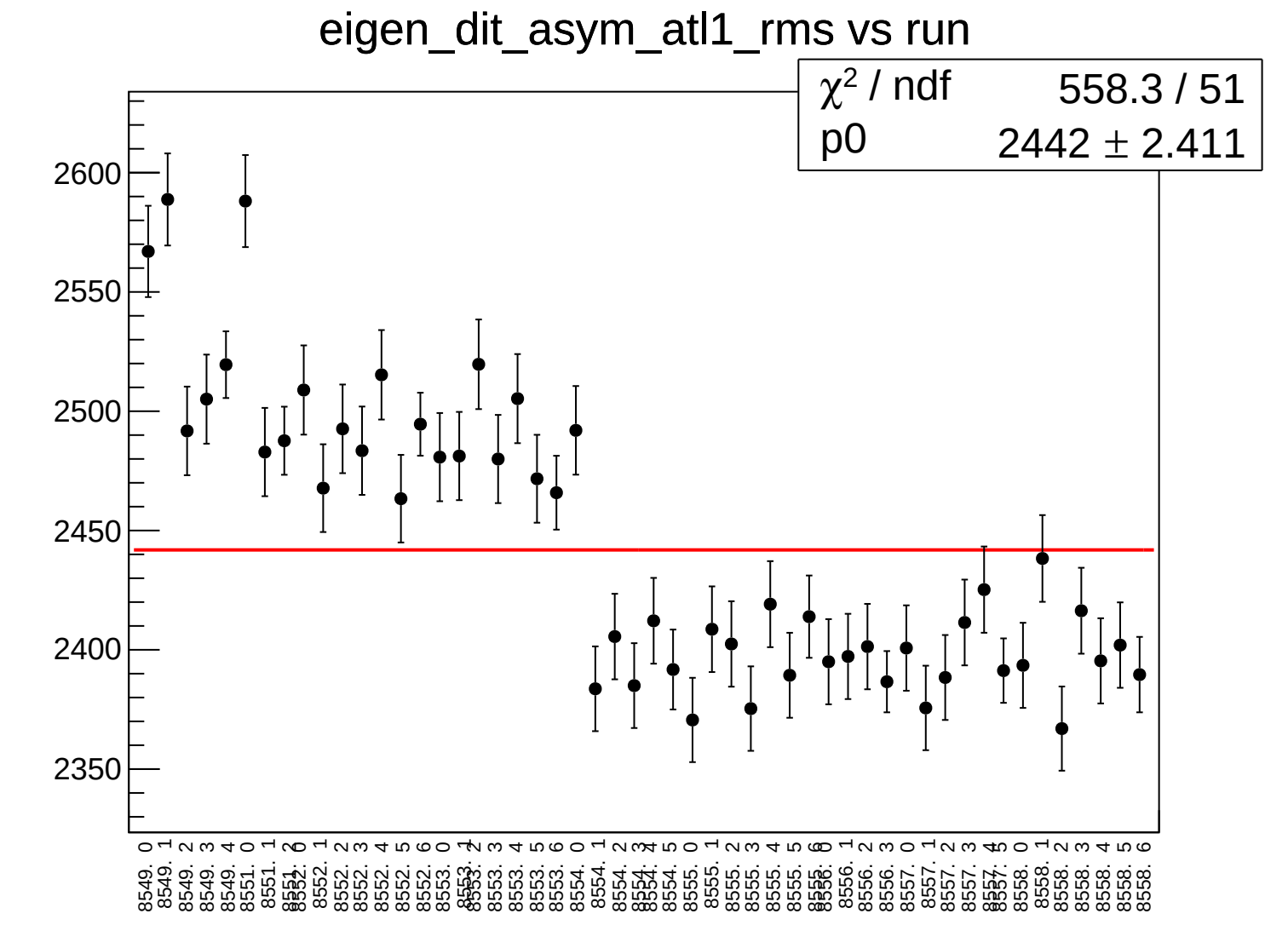
8558. 5
8558. 6


eigen_dit_asym_atl1_mean vs run
×10^3
χ² / ndf 47.49 / 51
p0 −1404 ± 3409
pull
Entries 52
Mean −59.18
Std Dev 0


pull1D
Entries 52
Mean 0.02332
Std Dev 0.9553


eigen_dit_asym_atl1_rms vs run
χ² / ndf 558.3 / 51
p0 2442 ± 2.411
2600
2550
2500
2450
2400
2350
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
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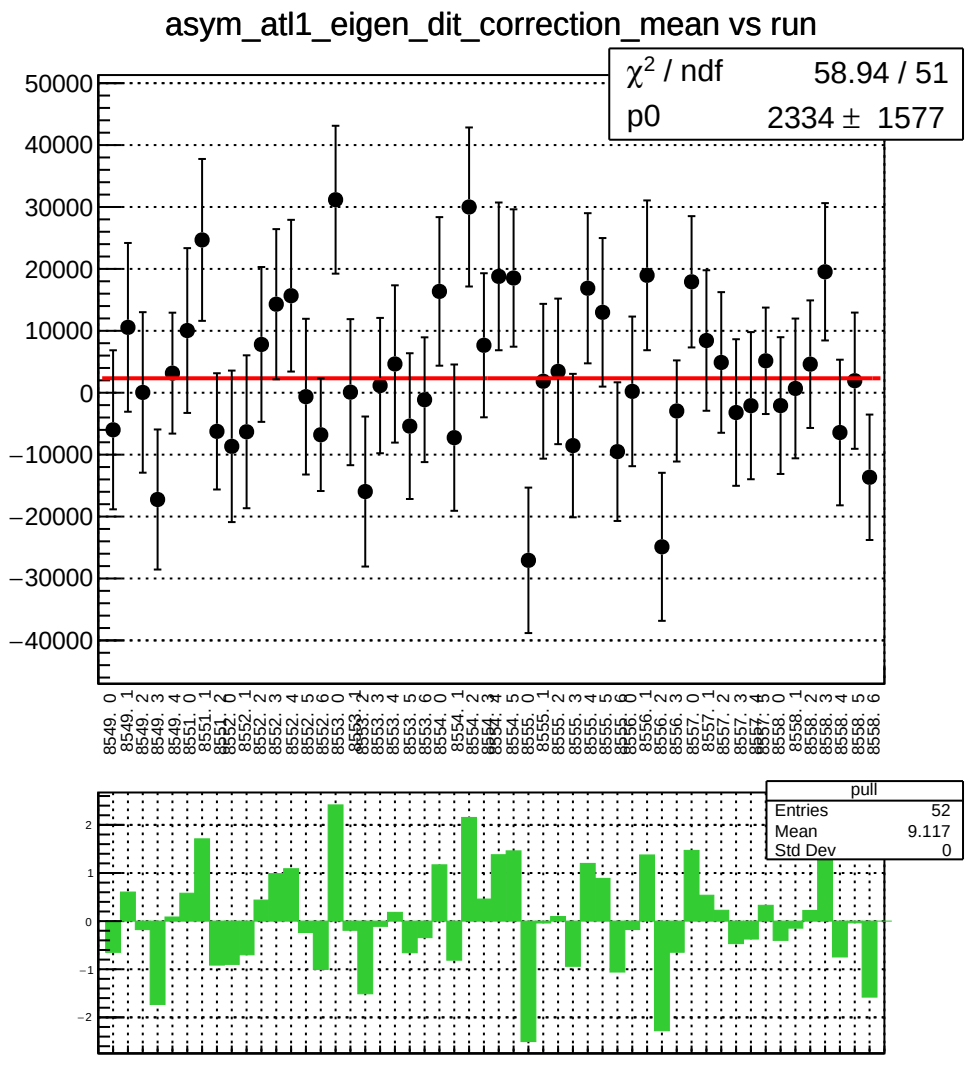
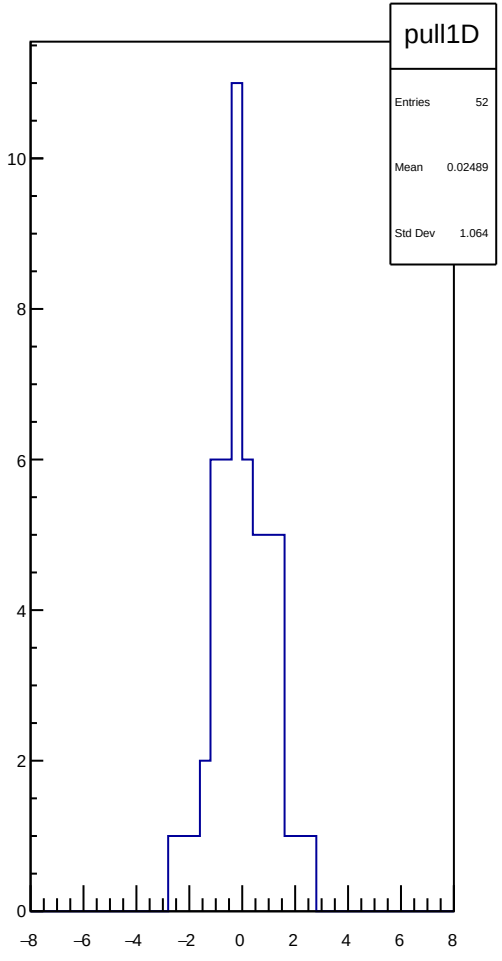
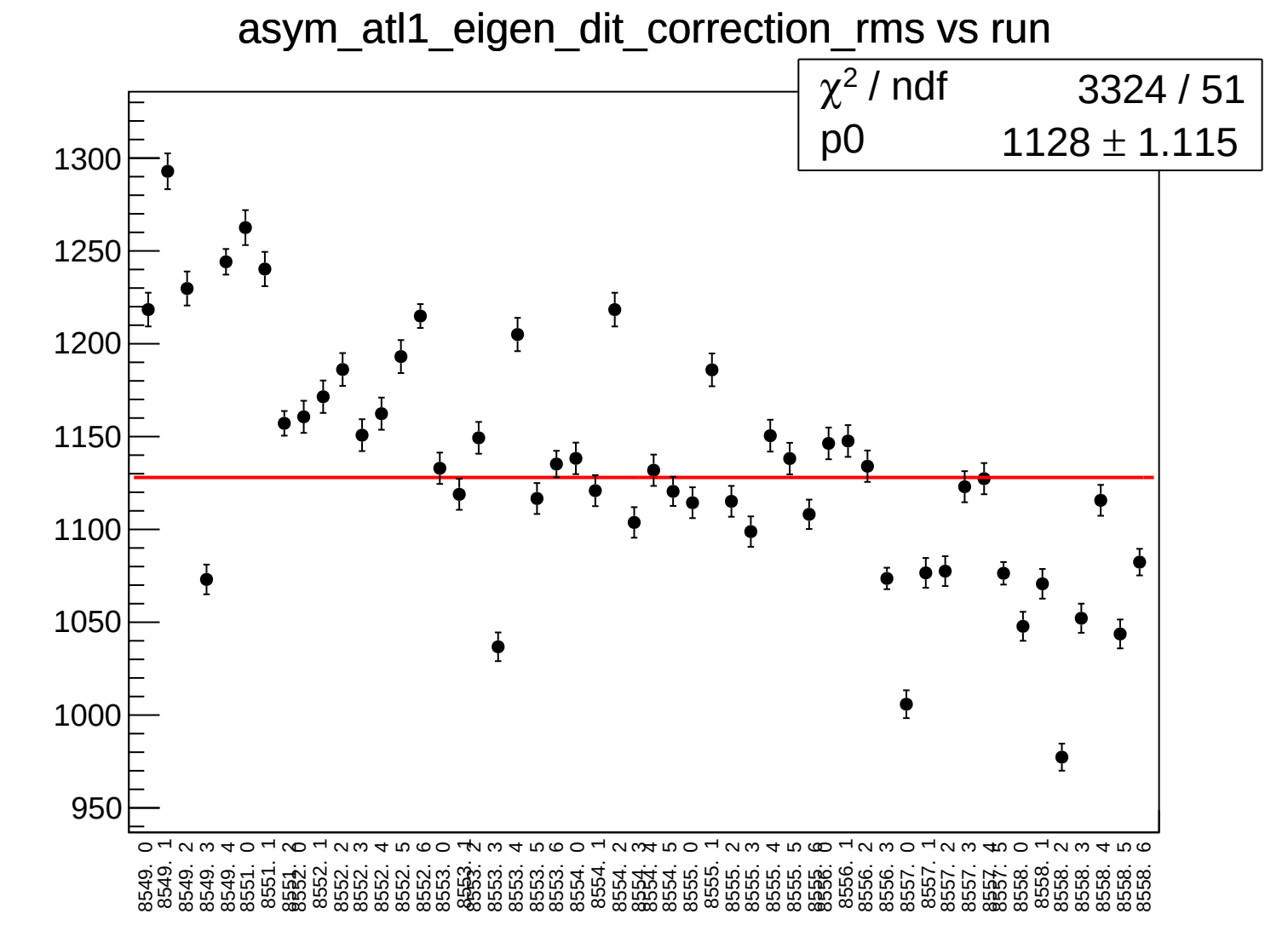
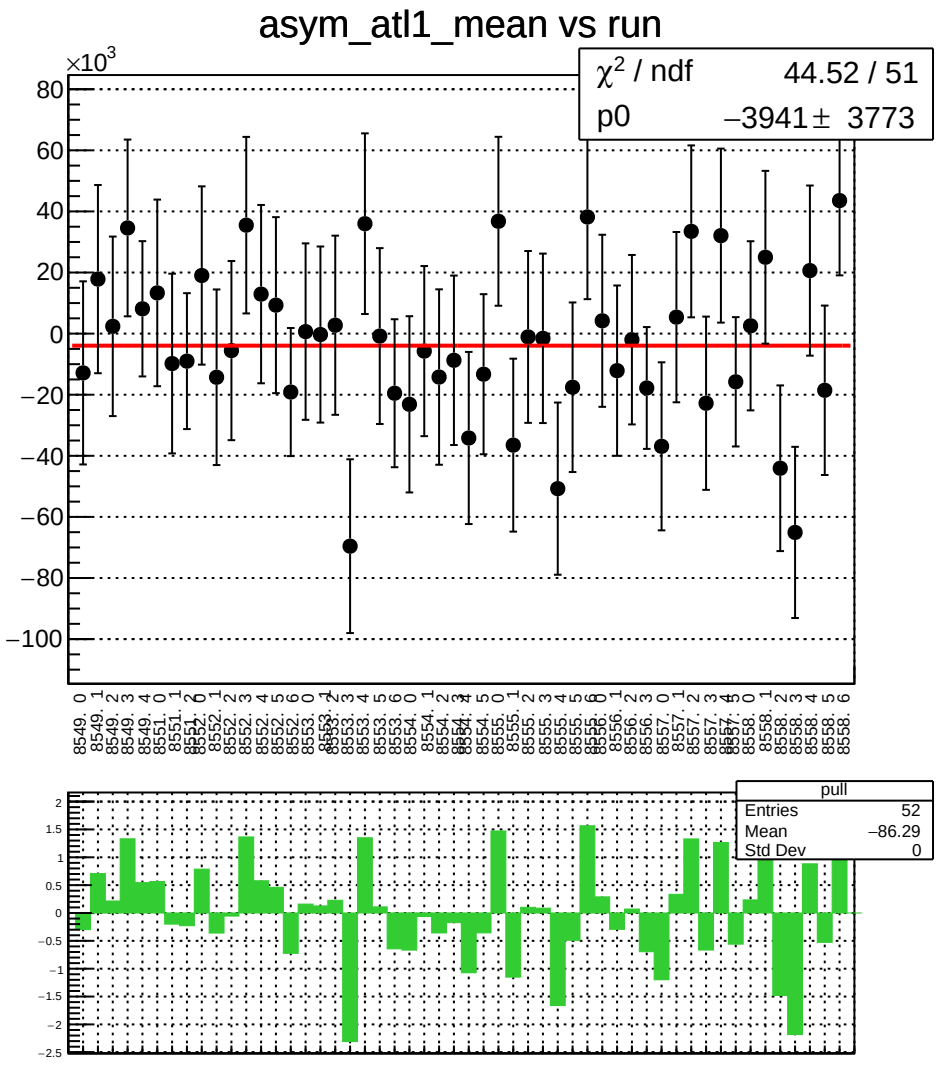
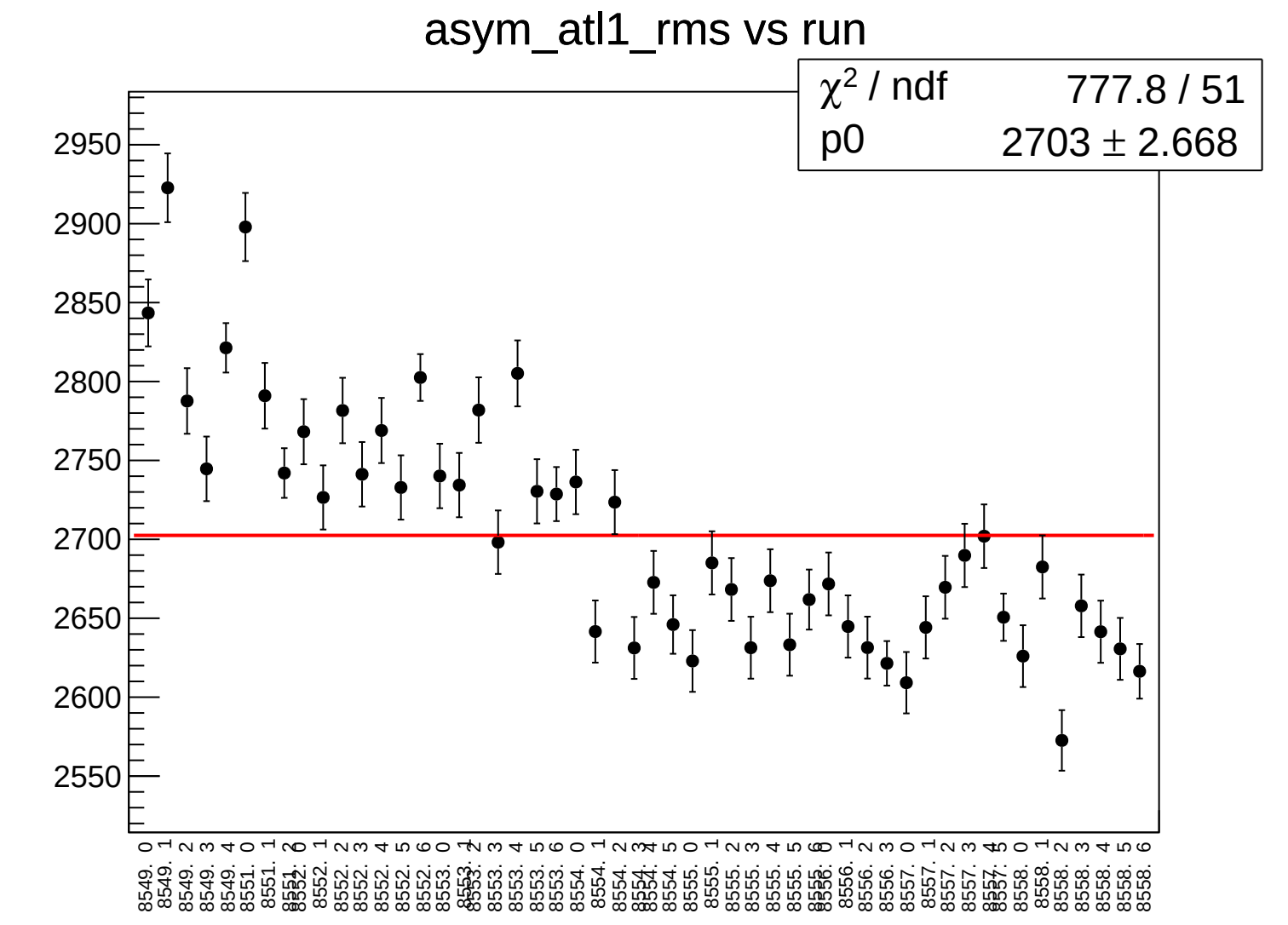
8558. 5
8558. 6

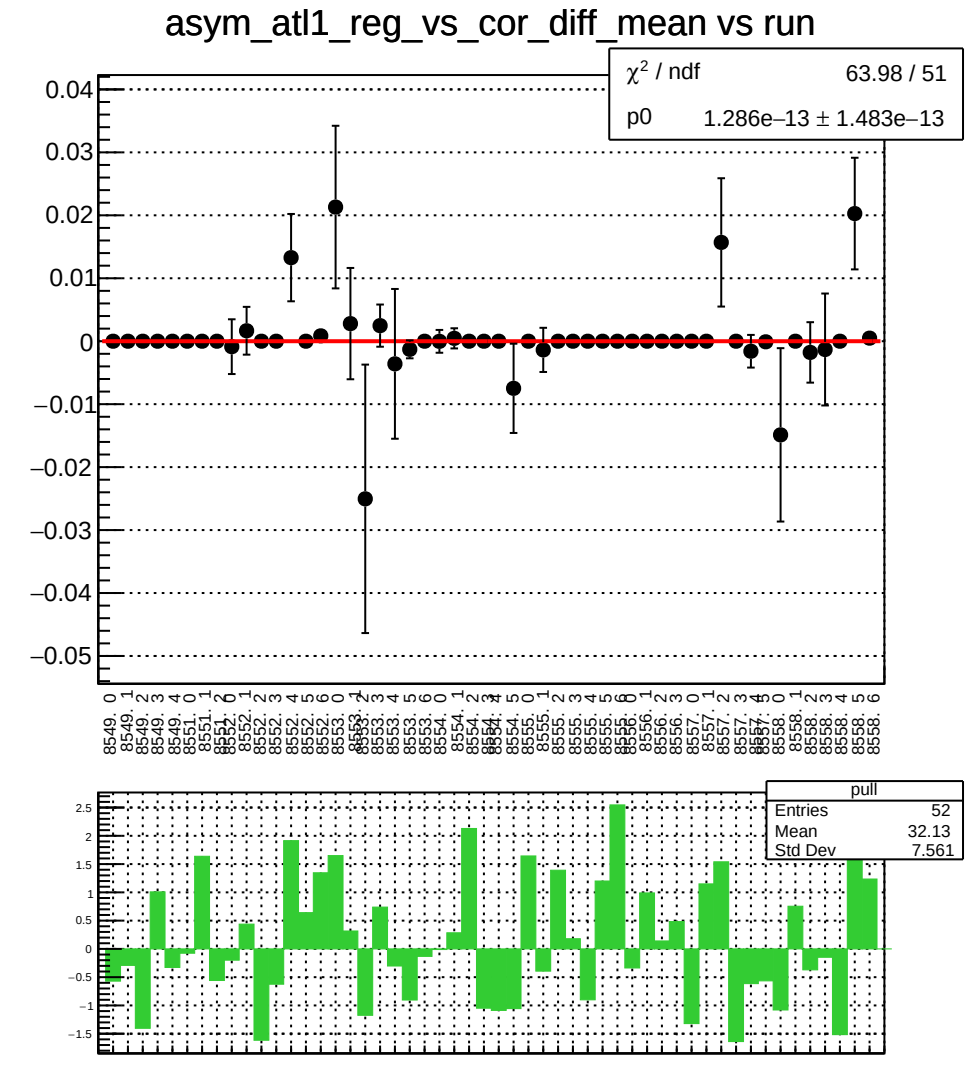

asym_atl1_eigen_dit_correction_mean vs run
χ² / ndf 58.94 / 51
p0 2334 ± 1577
pull
Entries 52
Mean 9.117
Std Dev 0

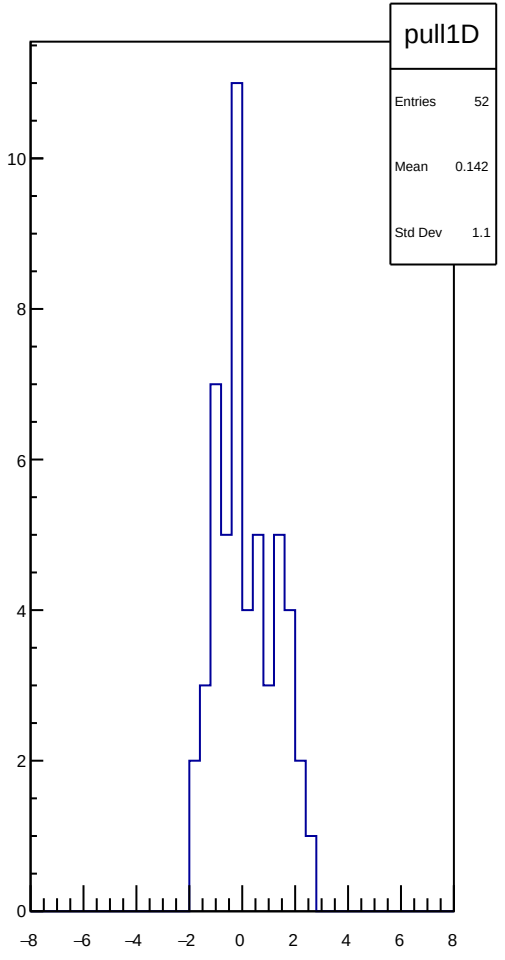

pull1D
Entries 52
Mean 0.02489
Std Dev 1.064

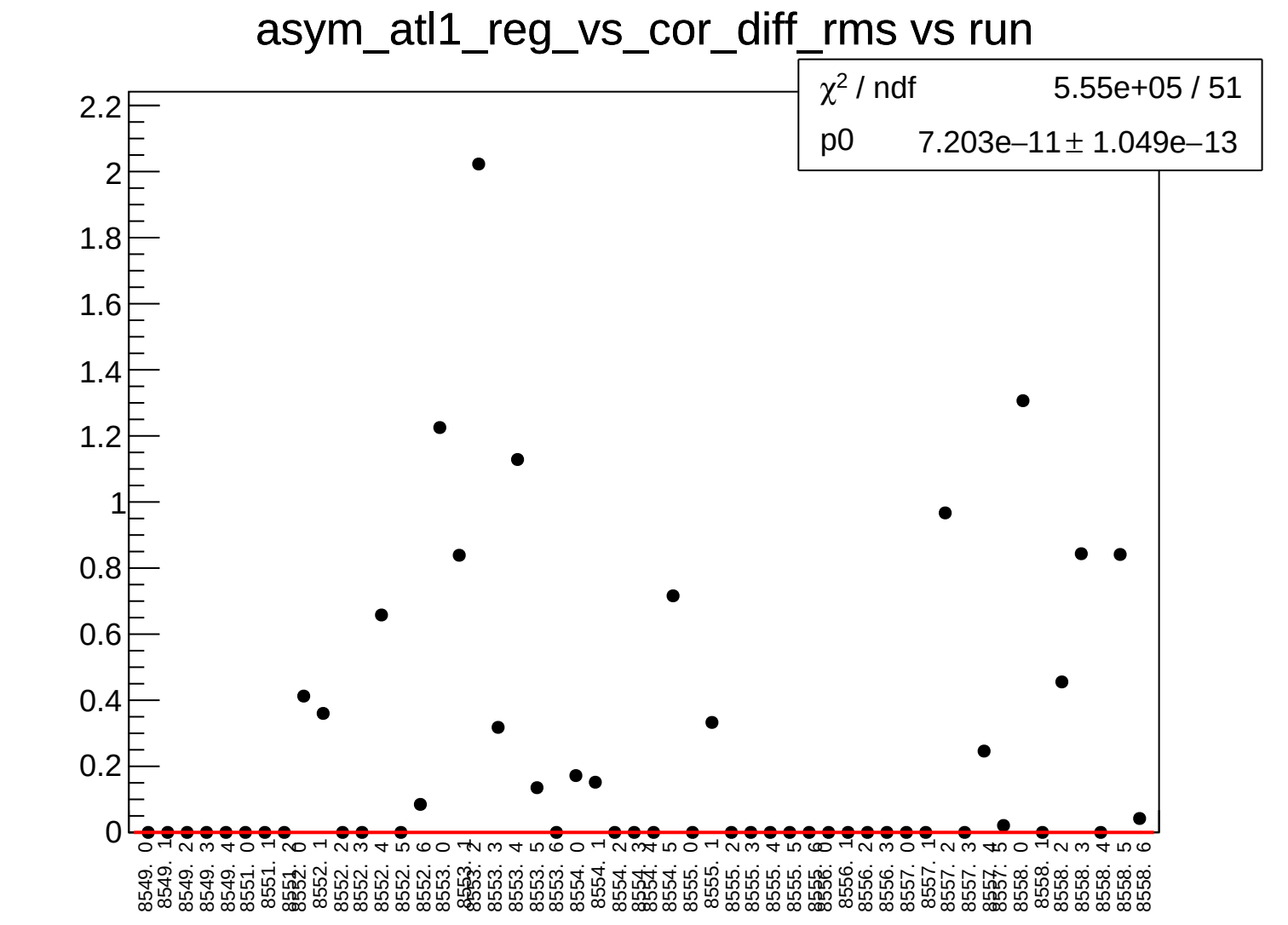

asym_atl1_eigen_dit_correction_rms vs run
χ² / ndf 3324 / 51
p0 1128 ± 1.115
1300
1250
1200
1150
1100
1050
1000
950
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 5
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6


asym_atl1_mean vs run
×10^3
χ² / ndf 44.52 / 51
p0 −3941 ± 3773
pull
Entries 52
Mean −86.29
Std Dev 0
pull1D
Entries 52
Mean 0.01381
Std Dev 0.9251


asym_atl1_rms vs run
χ² / ndf 777.8 / 51
p0 2703 ± 2.668
2950
2900
2850
2800
2750
2700
2650
2600
2550
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6


asym_atl1_reg_vs_cor_diff_mean vs run
χ² / ndf 63.98 / 51
p0 1.286e−13 ± 1.483e−13
pull
Entries 52
Mean 32.13
Std Dev 7.561


pull1D
Entries 52
Mean 0.142
Std Dev 1.1


asym_atl1_reg_vs_cor_diff_rms vs run
χ² / ndf 5.55e+05 / 51
p0 7.203e−11 ± 1.049e−13
2.2
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8549. 5
8551. 0
8551. 1
8551. 2
8552. 0
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 1
8553. 2
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 3
8554. 4
8554. 5
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8555. 6
8556. 0
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8556. 2
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8557. 2
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8558. 3
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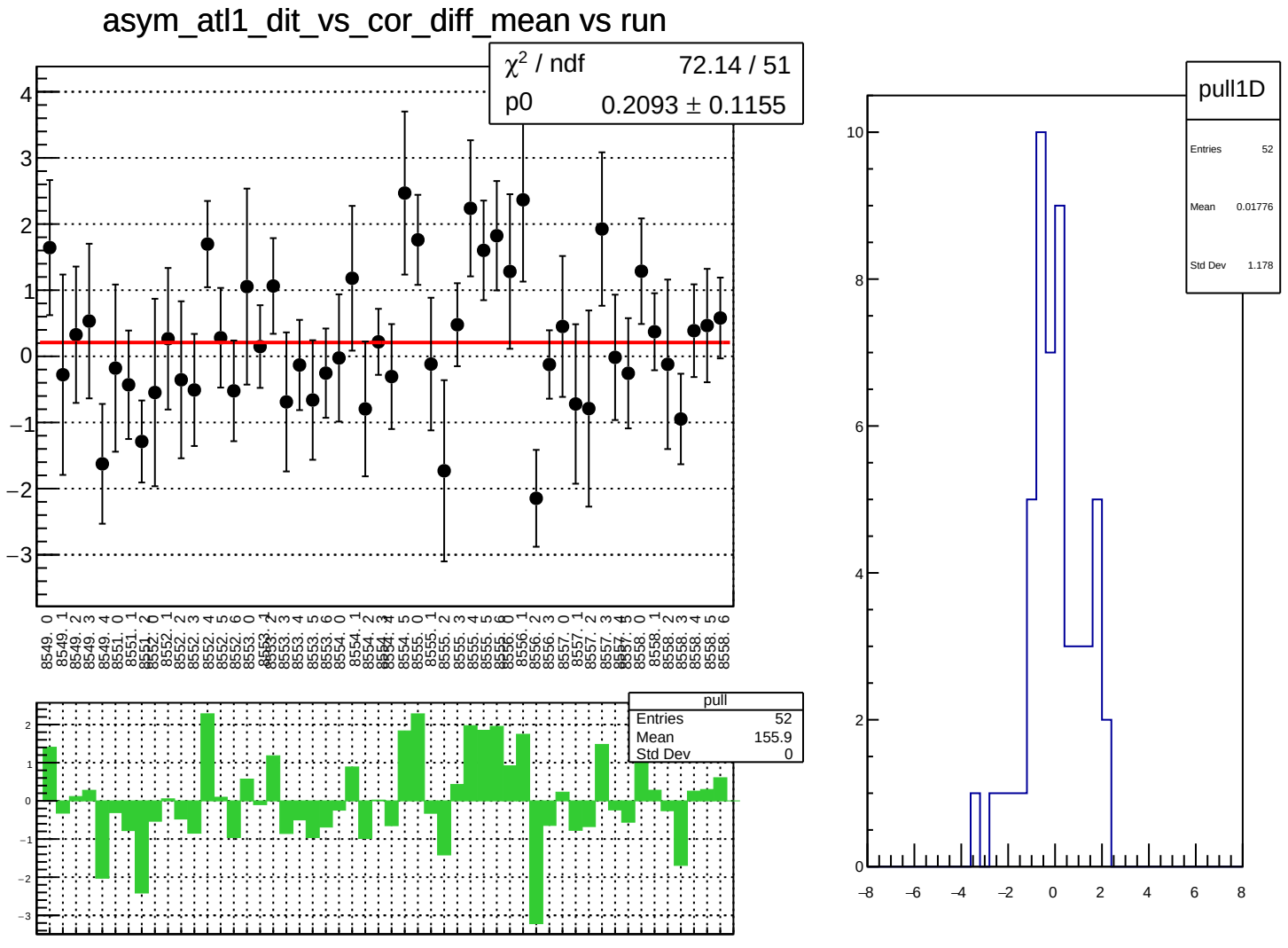
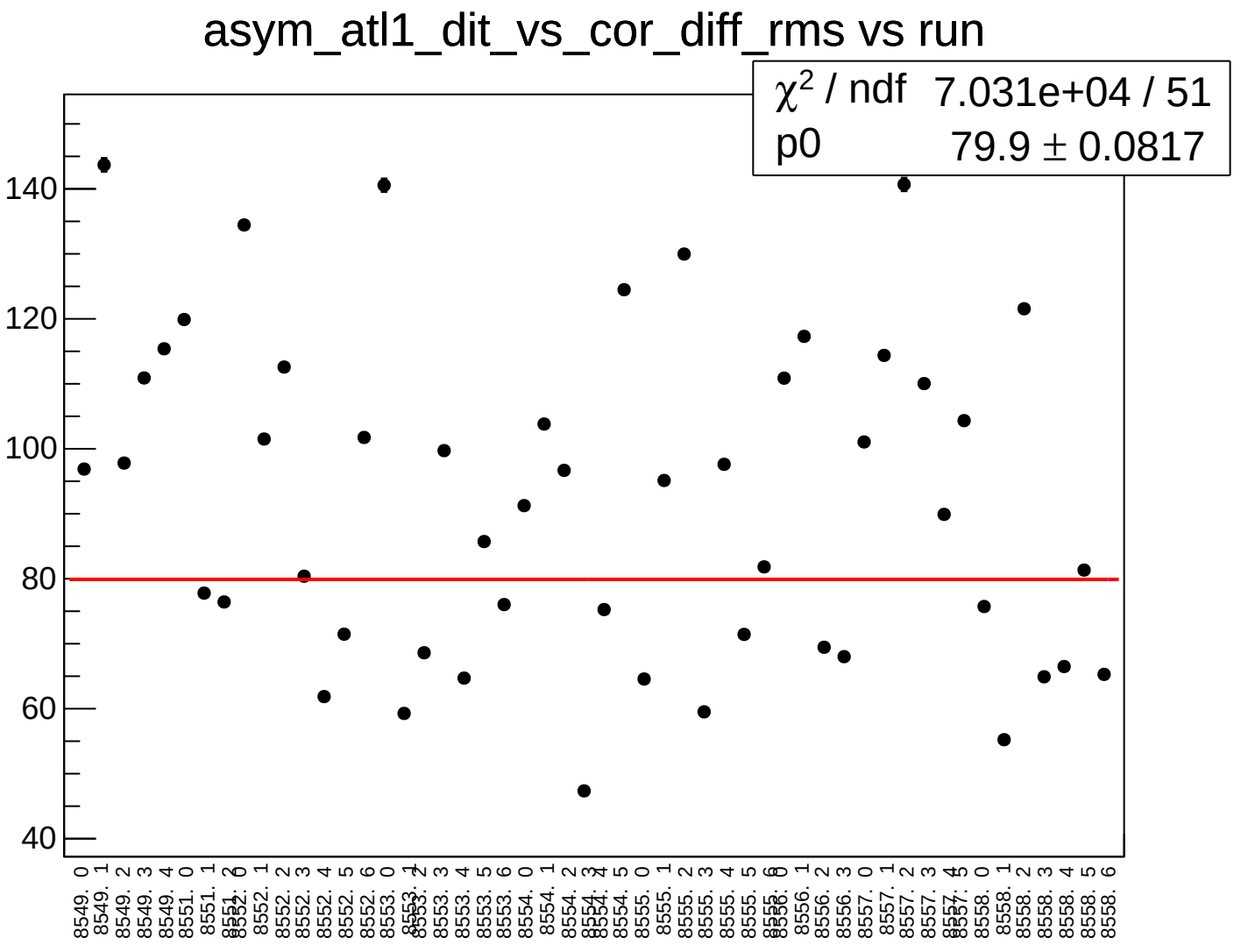
8558. 5
8558. 6


asym_atl1_dit_vs_cor_diff_mean vs run
χ² / ndf 72.14 / 51
p0 0.2093 ± 0.1155
pull
Entries 52
Mean 155.9
Std Dev 0
pull1D
Entries 52
Mean 0.01776
Std Dev 1.178


asym_atl1_dit_vs_cor_diff_rms vs run
χ² / ndf 7.031e+04 / 51
p0 79.9 ± 0.0817
140
120
100
80
60
40
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
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8554. 2
8554. 5
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8555. 2
8555. 3
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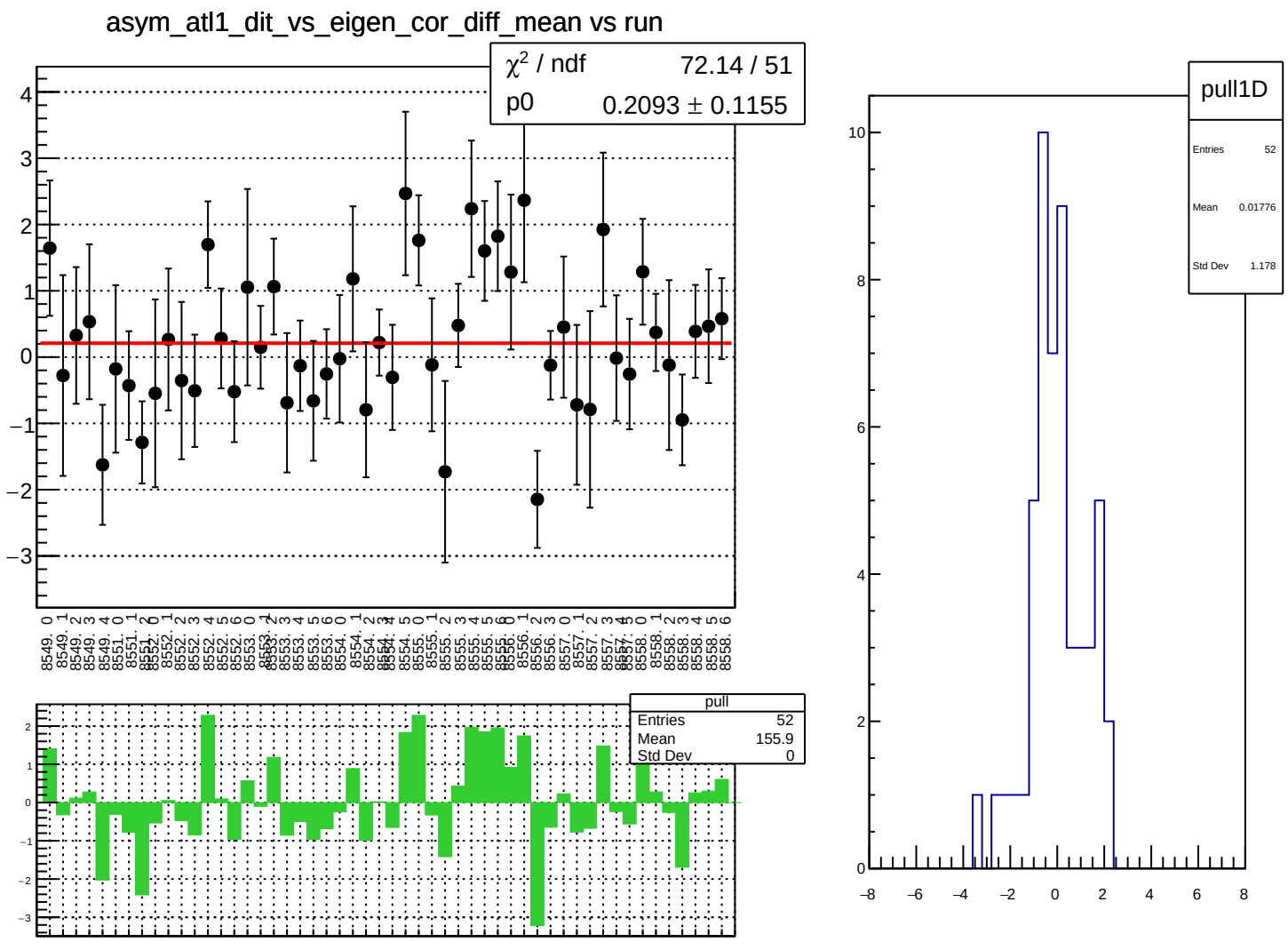
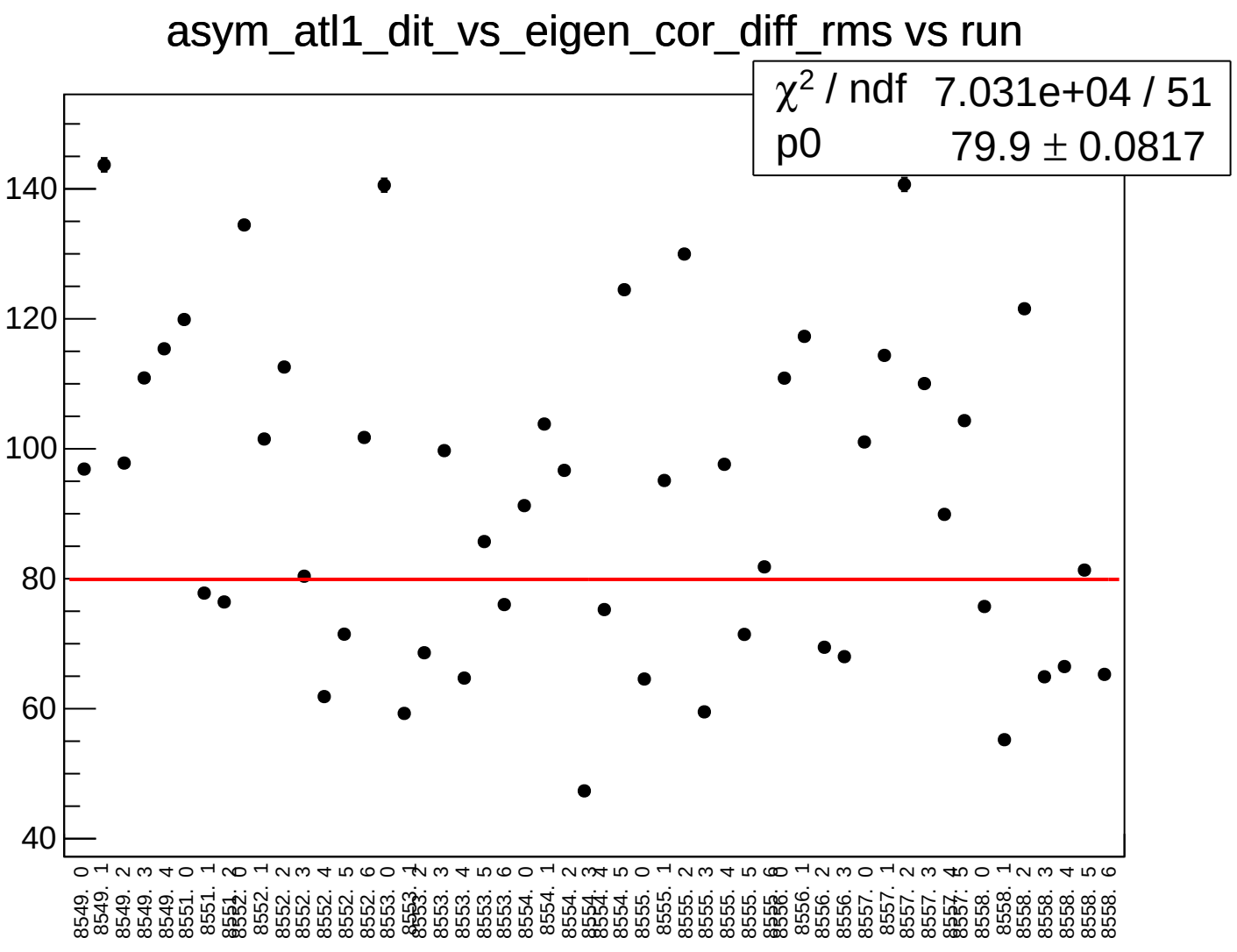
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6


asym_atl1_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 72.14 / 51
p0 0.2093 ± 0.1155
pull
Entries 52
Mean 155.9
Std Dev 0
pull1D
Entries 52
Mean 0.01776
Std Dev 1.178


asym_atl1_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 7.031e+04 / 51
p0 79.9 ± 0.0817
140
120
100
80
60
40
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
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8556. 2
8556. 3
8557. 0
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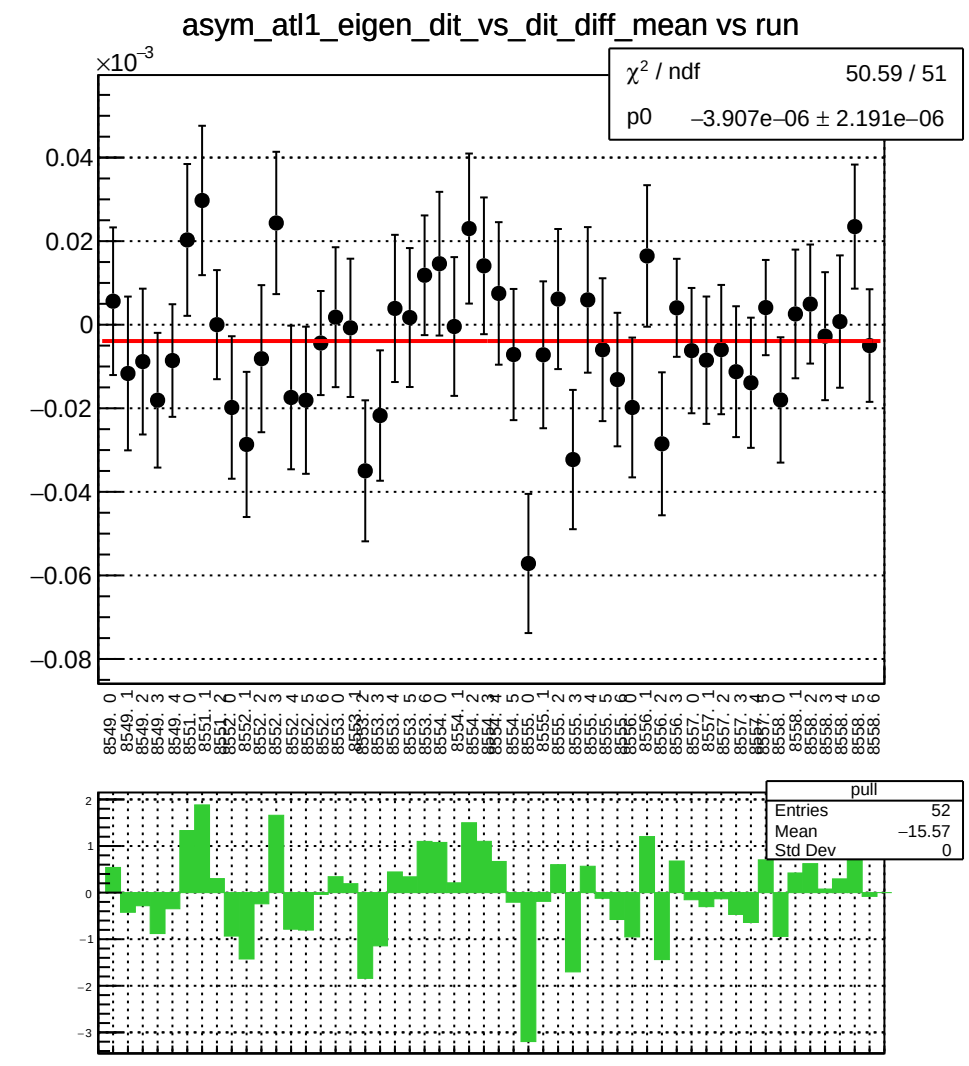
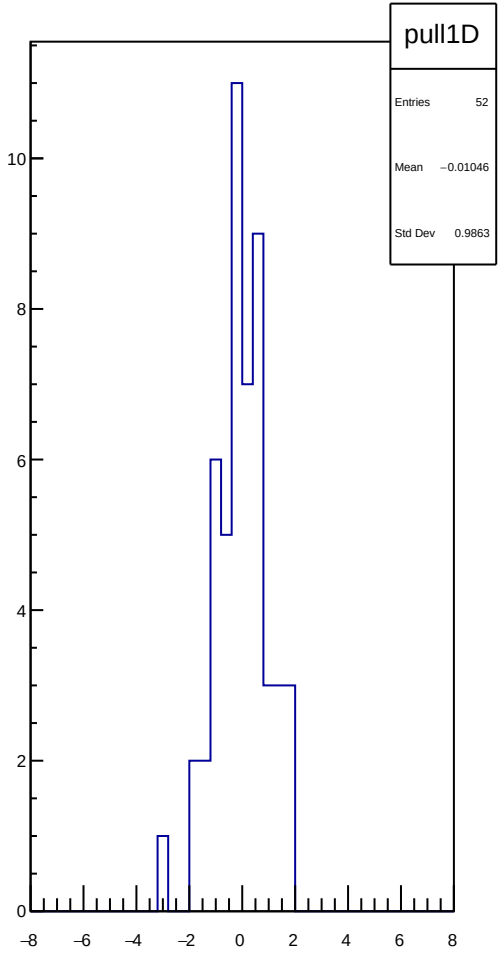
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6


asym_atl1_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 50.59 / 51
p0 −3.907e−06 ± 2.191e−06
0.04
0.02
0
−0.02
−0.04
−0.06
−0.08
pull
Entries 52
Mean −15.57
Std Dev 0


pull1D
Entries 52
Mean −0.01046
Std Dev 0.9863
10
8
6
4
2
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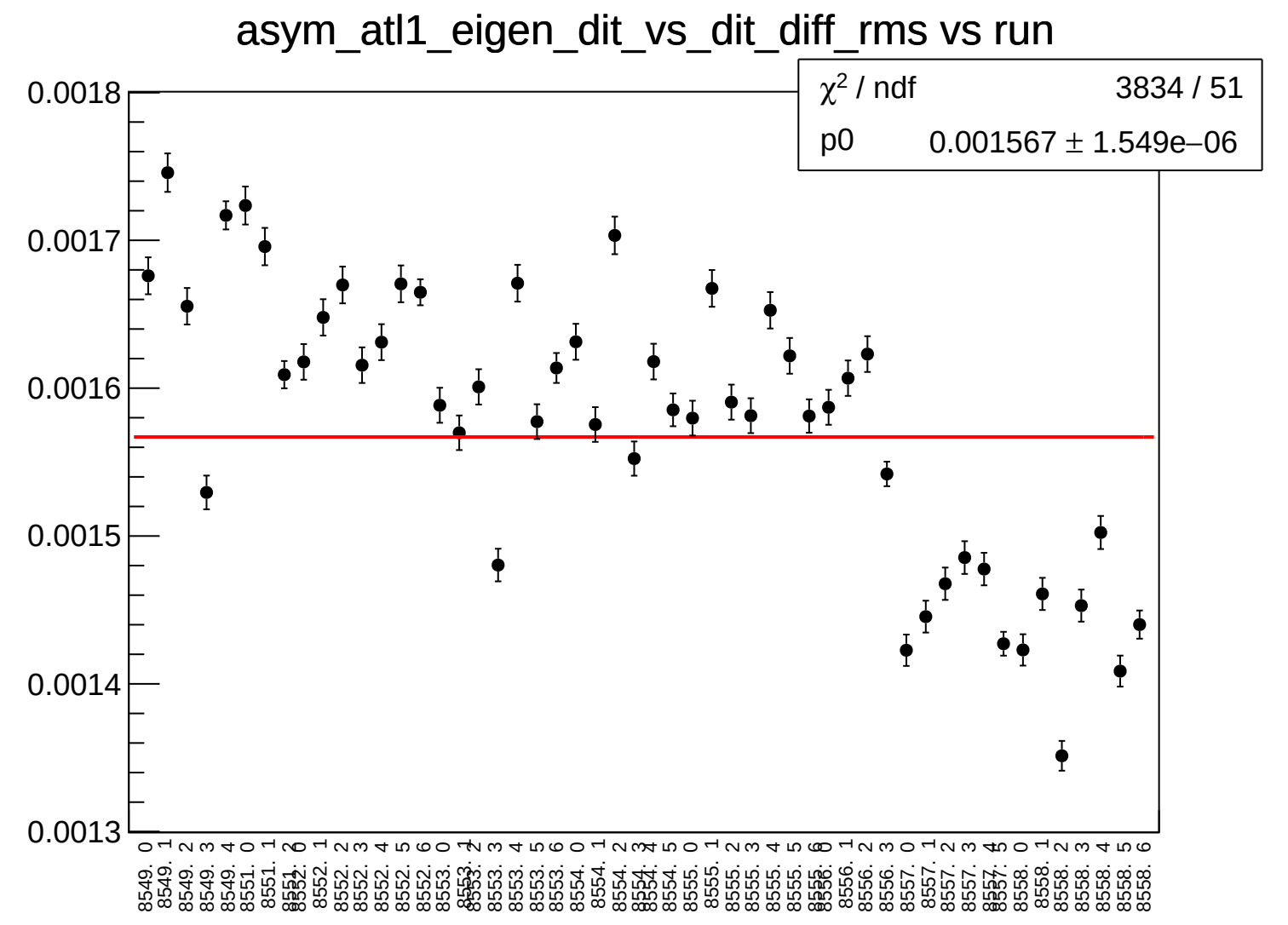
−8
−6
−4
−2
0
2
4
6
8


asym_atl1_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 3834 / 51
p0 0.001567 ± 1.549e−06
0.0018
0.0017
0.0016
0.0015
0.0014
0.0013
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
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8557. 2
8557. 3
8558. 0
8558. 1
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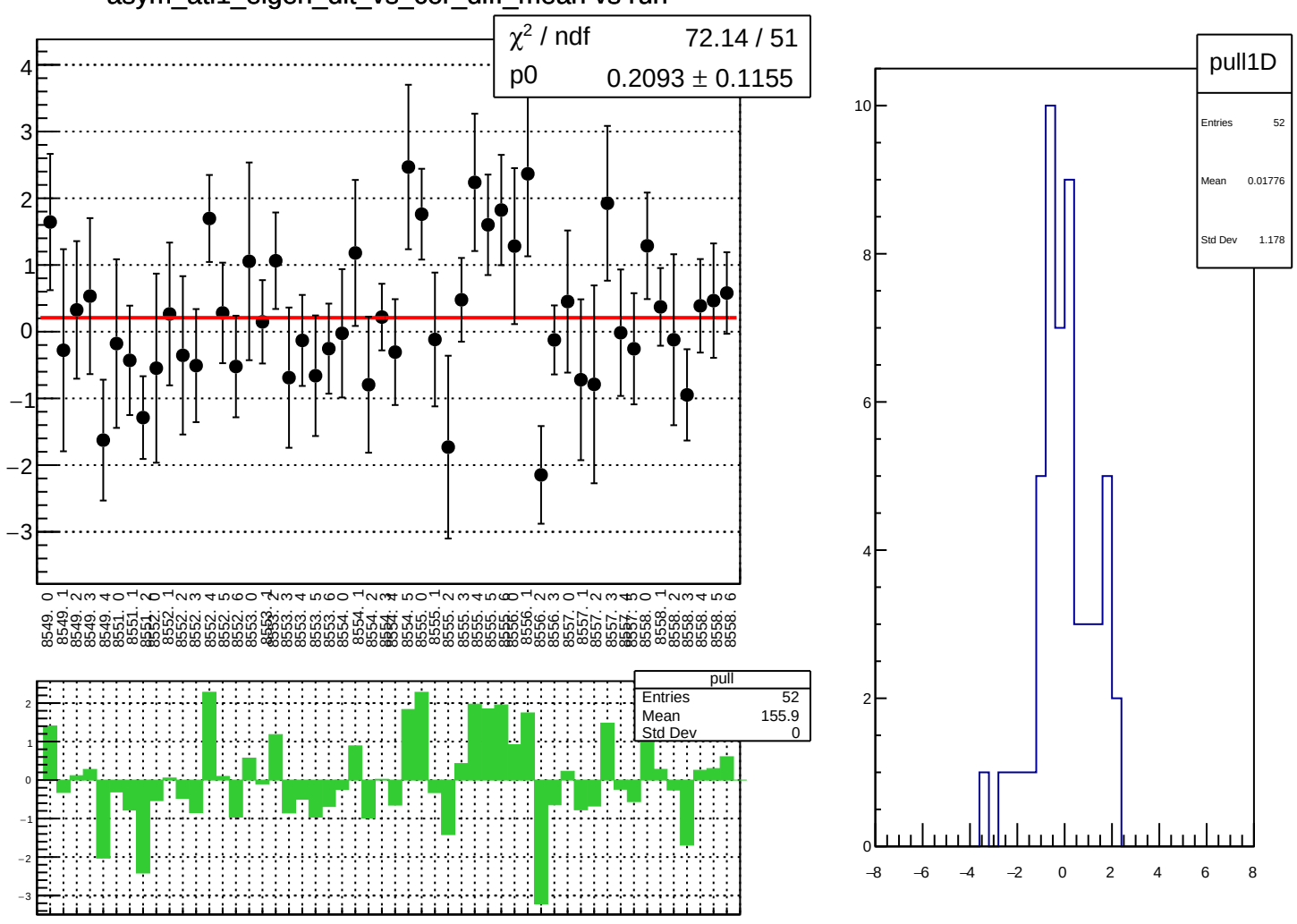
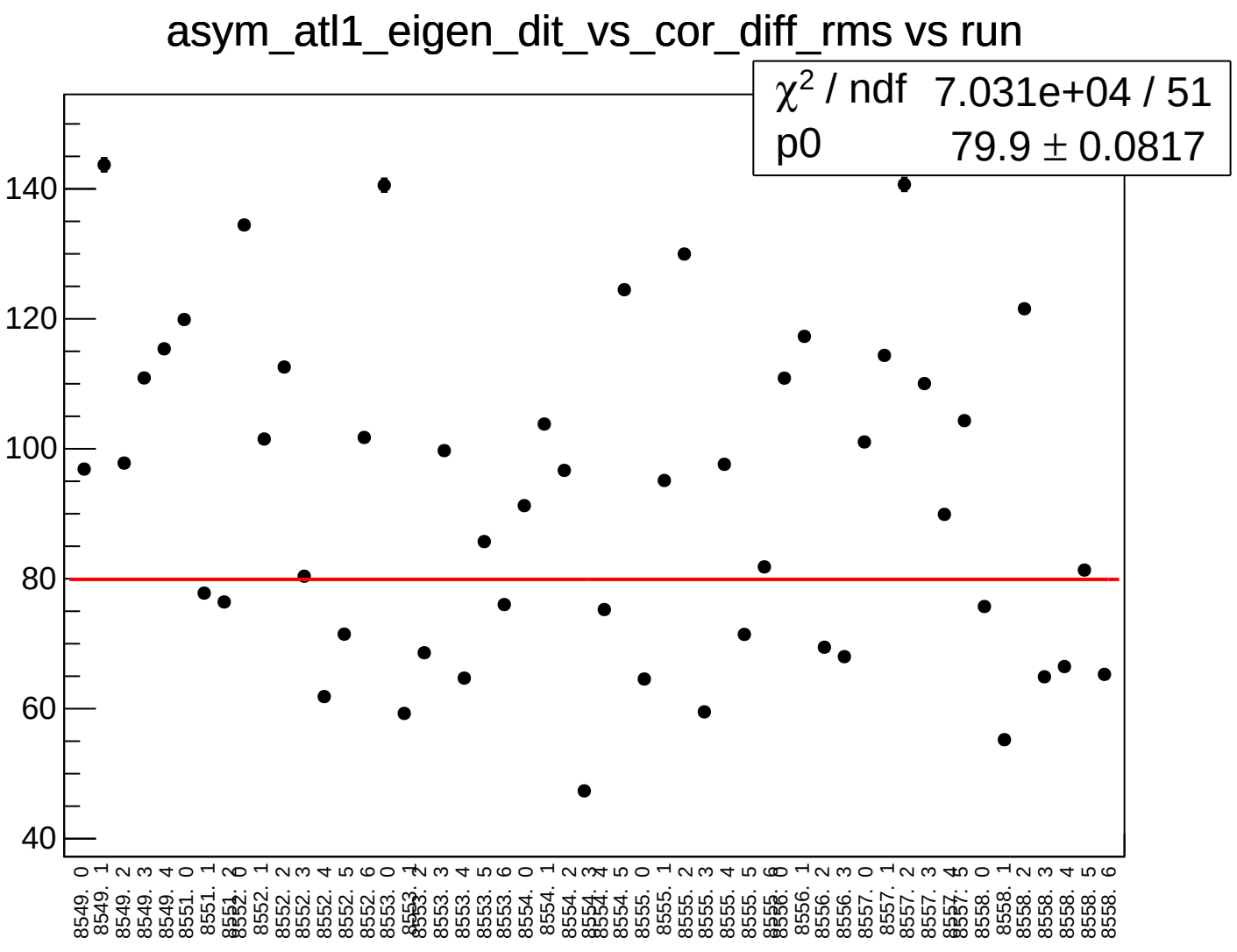
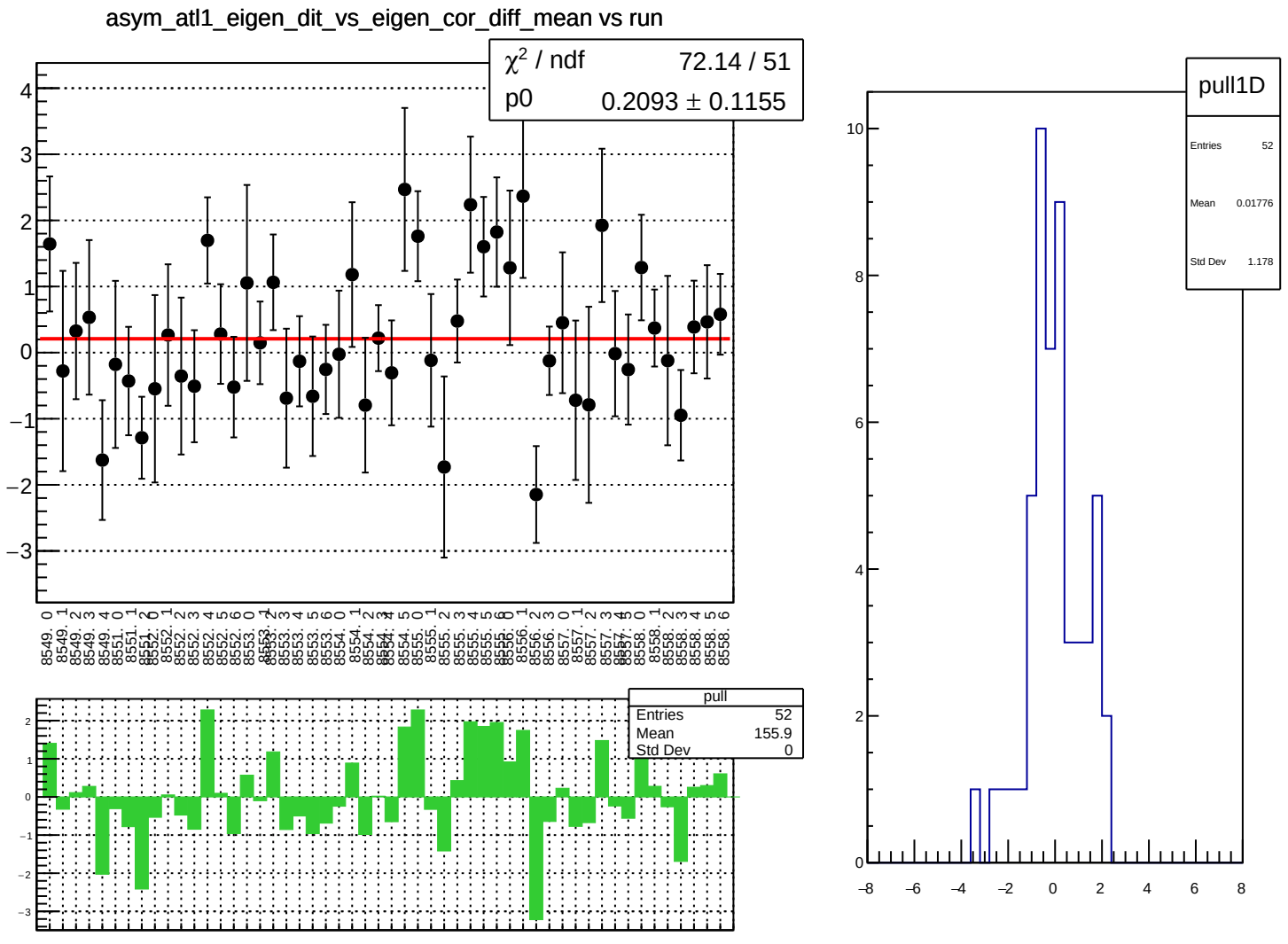
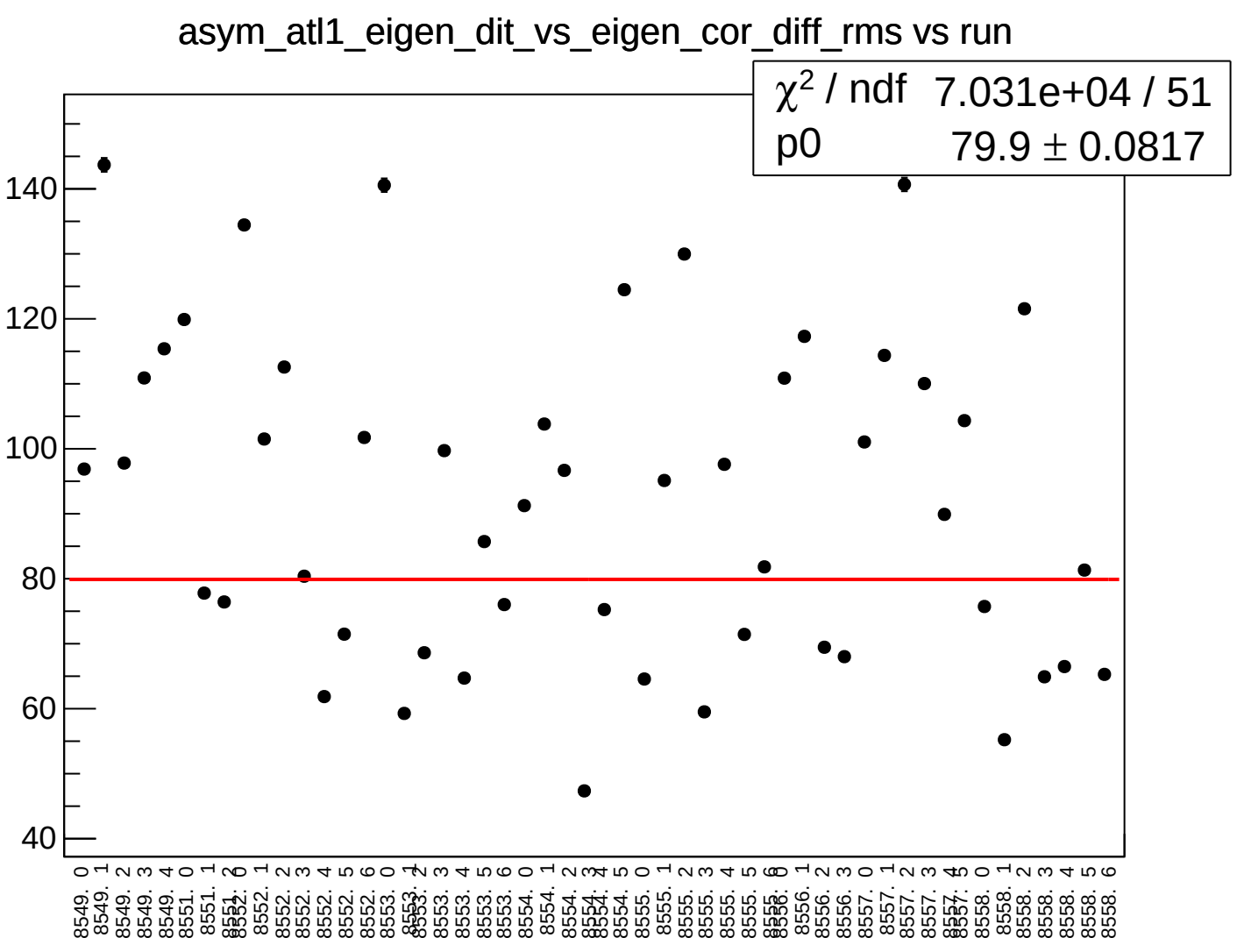
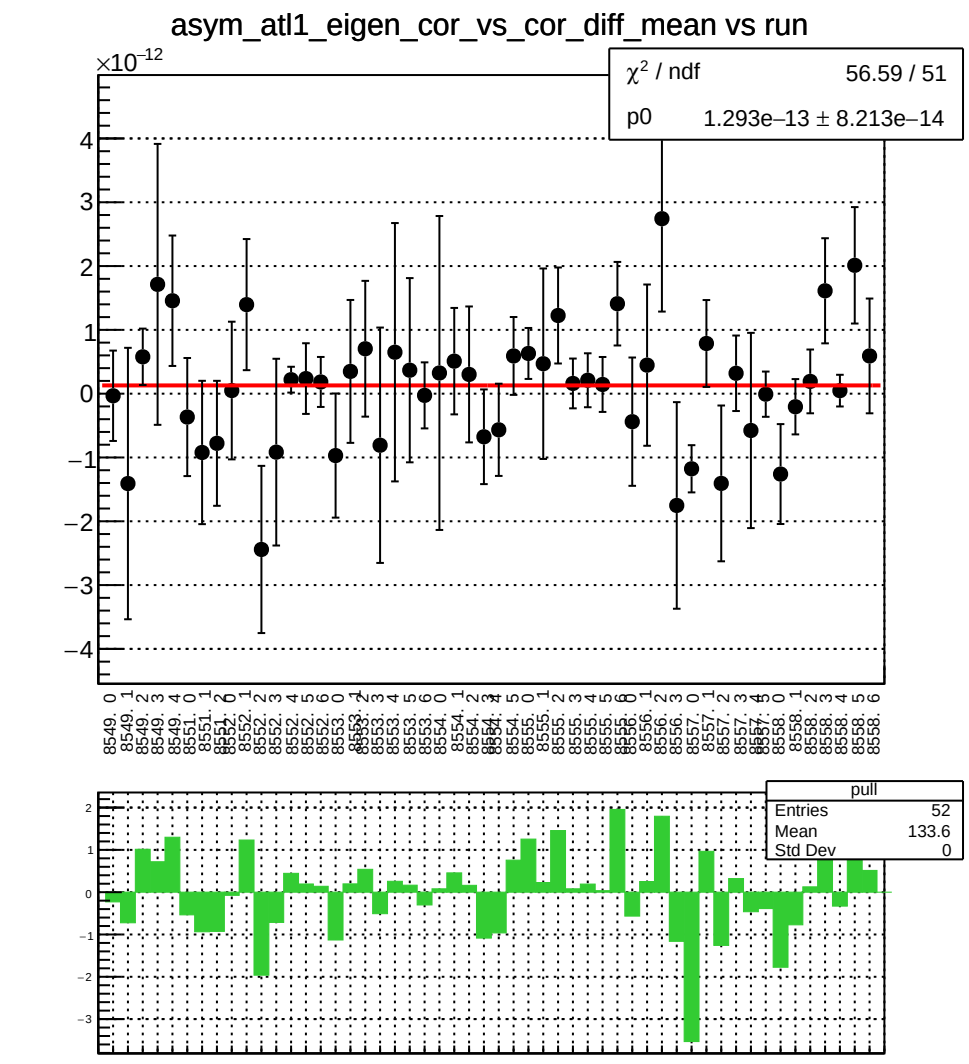
8558. 4
8558. 5
8558. 6

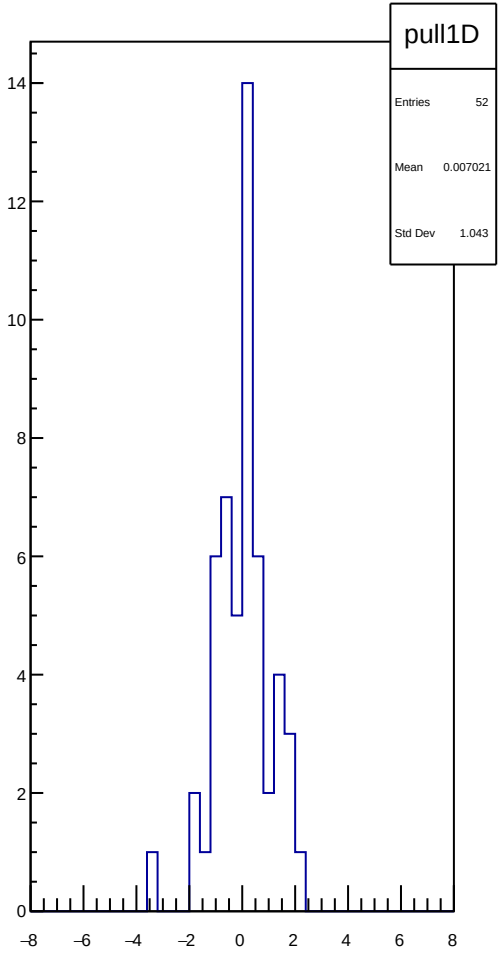

asym_atl1_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 72.14 / 51
p0 0.2093 ± 0.1155
pull
Entries 52
Mean 155.9
Std Dev 0
pull1D
Entries 52
Mean 0.01776
Std Dev 1.178

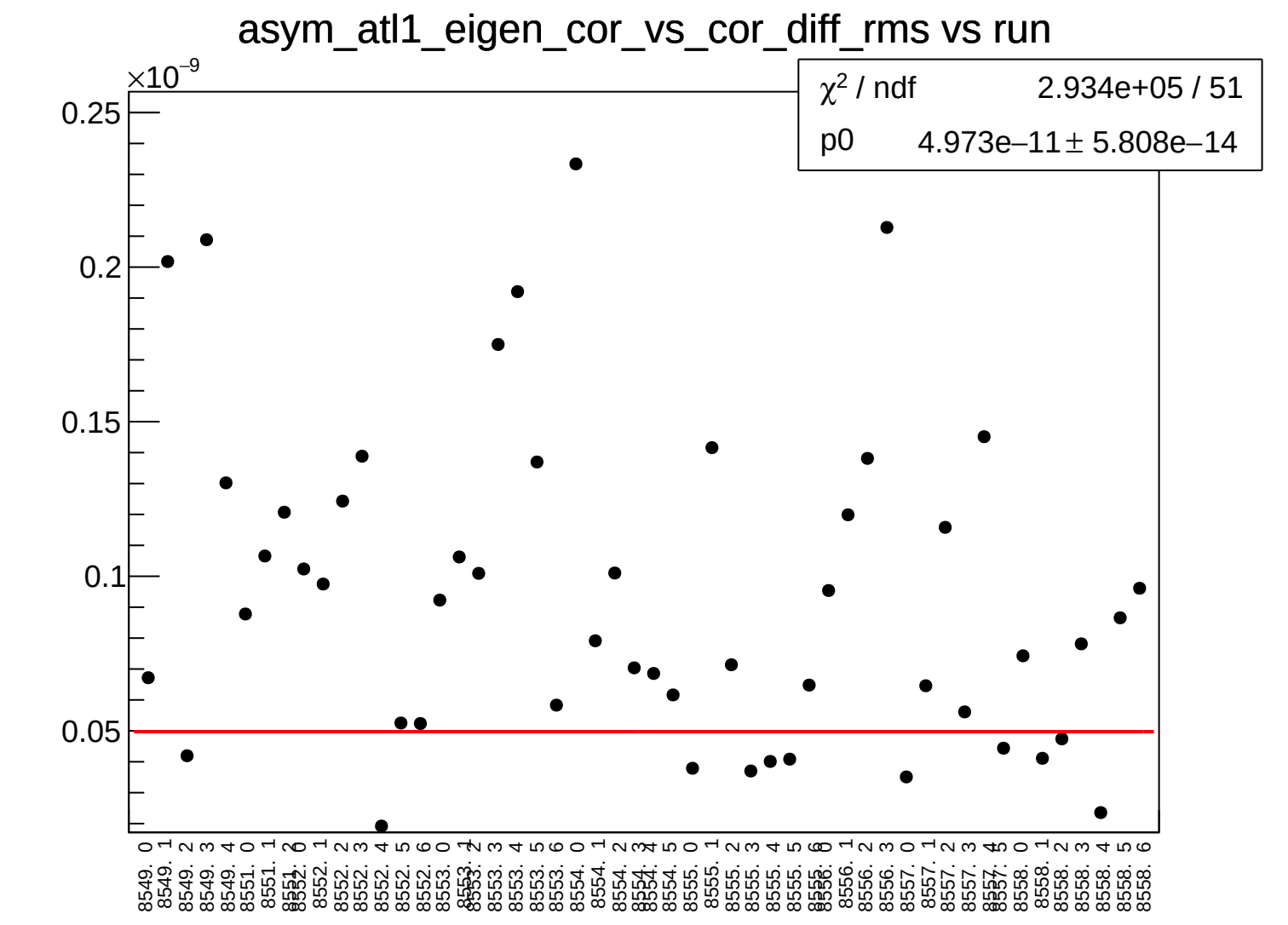

asym_atl1_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 7.031e+04 / 51
p0 79.9 ± 0.0817
140
120
100
80
60
40
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 5
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

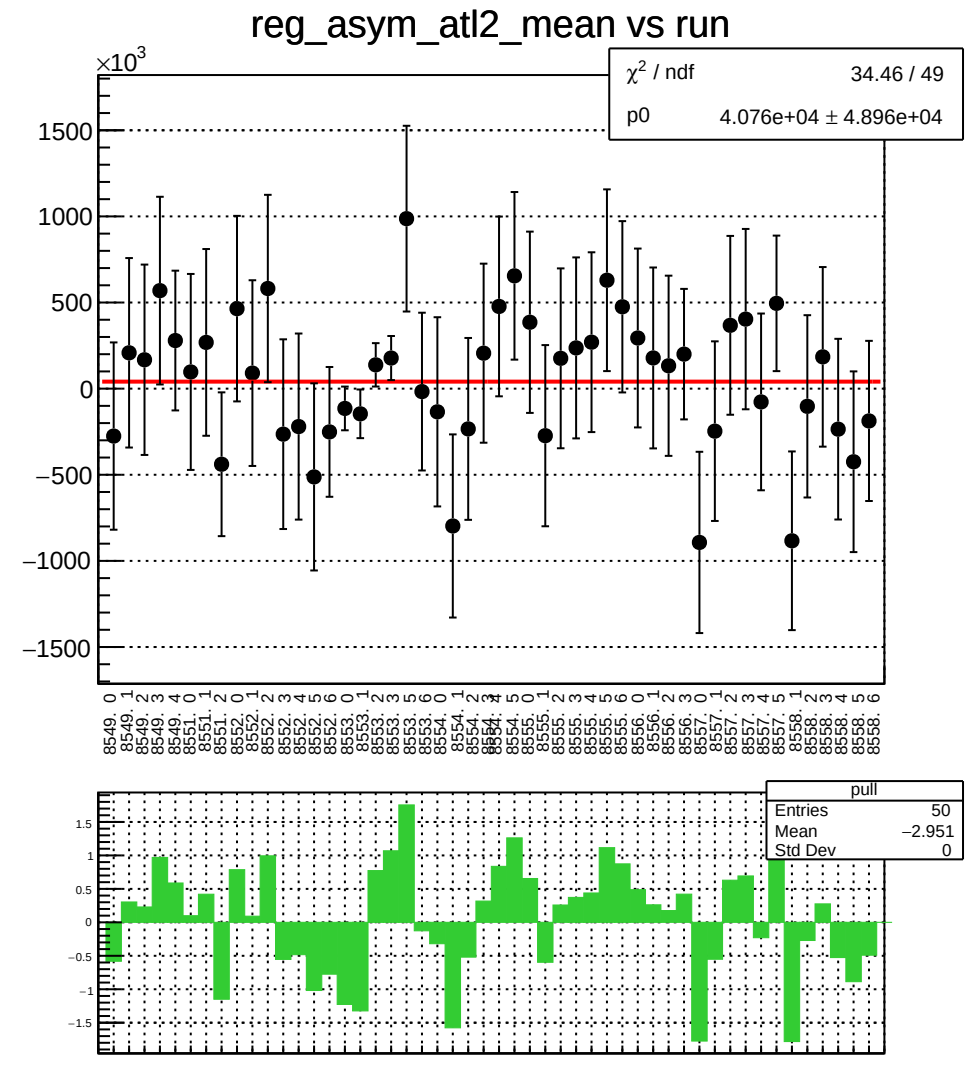

asym_atl1_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 72.14 / 51
p0 0.2093 ± 0.1155
pull
Entries 52
Mean 155.9
Std Dev 0
pull1D
Entries 52
Mean 0.01776
Std Dev 1.178

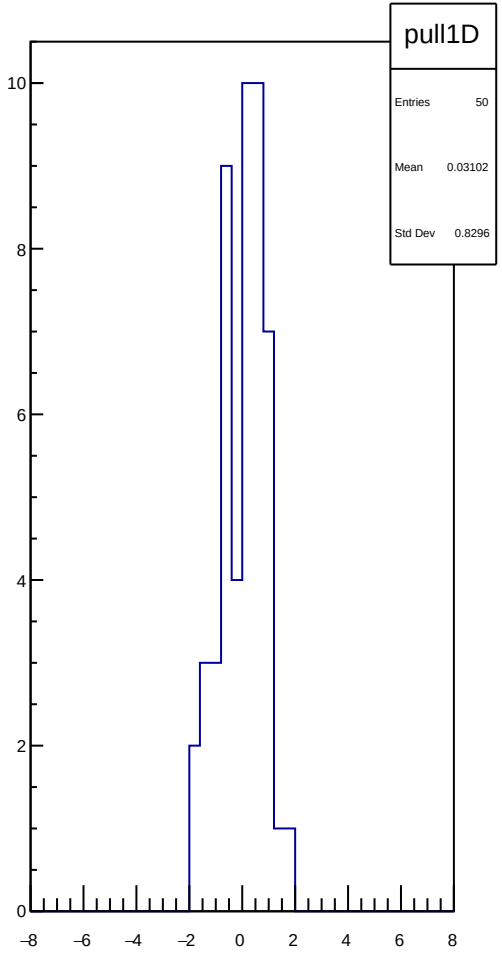

asym_atl1_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 7.031e+04 / 51
p0 79.9 ± 0.0817
140
120
100
80
60
40
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 5
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

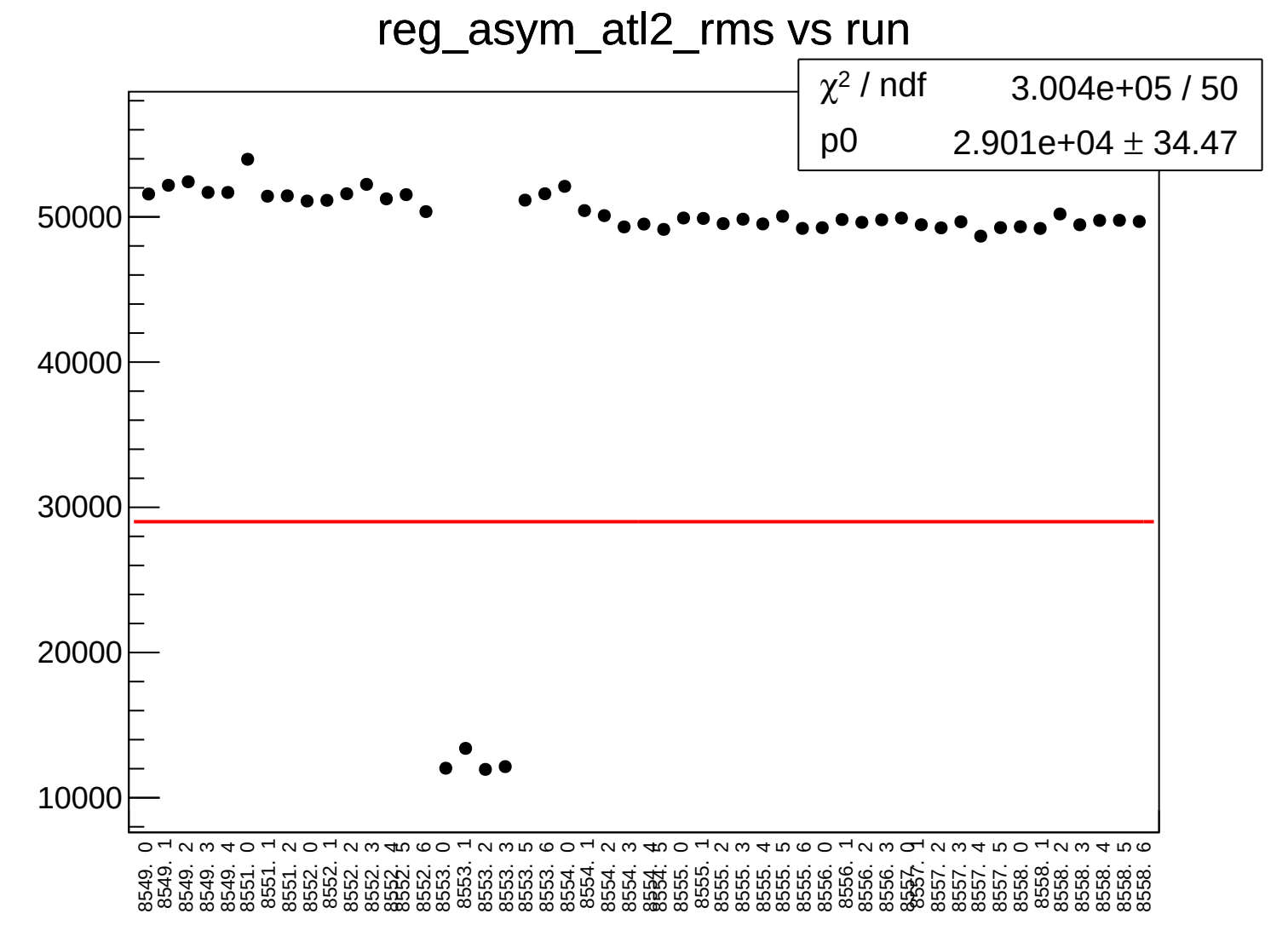

asym_atl1_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 56.59 / 51
p0 1.293e−13 ± 8.213e−14
pull
Entries 52
Mean 133.6
Std Dev 0

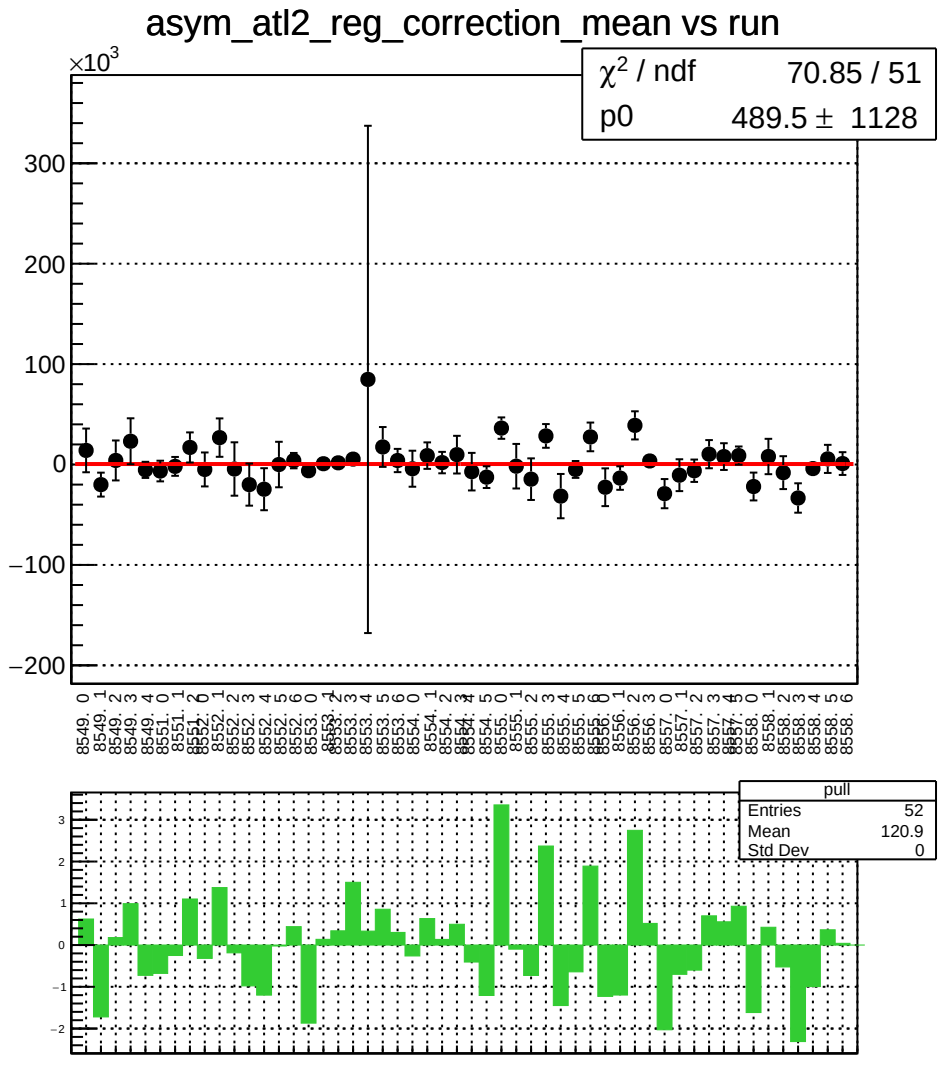

pull1D
Entries 52
Mean 0.007021
Std Dev 1.043

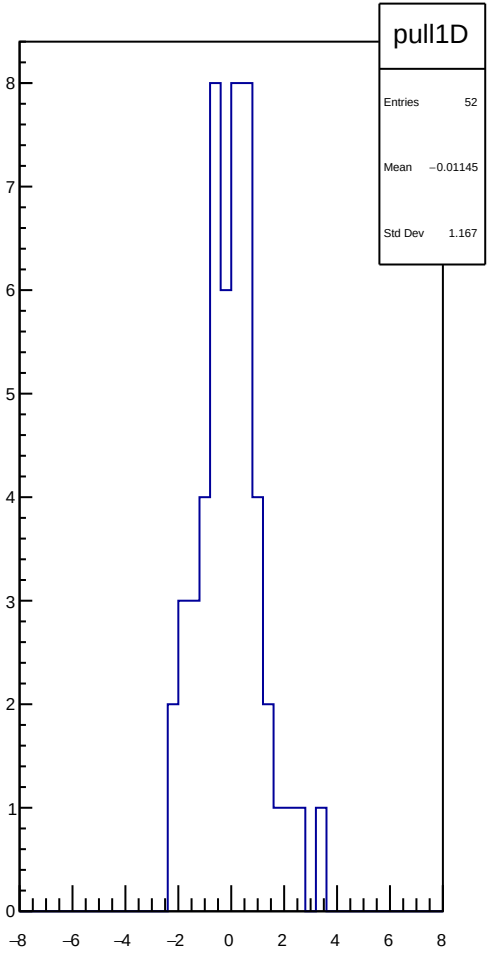

asym_atl1_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 2.934e+05 / 51
p0 4.973e−11 ± 5.808e−14
0.25
0.2
0.15
0.1
0.05
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 0
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 1
8553. 2
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 3
8554. 4
8554. 5
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

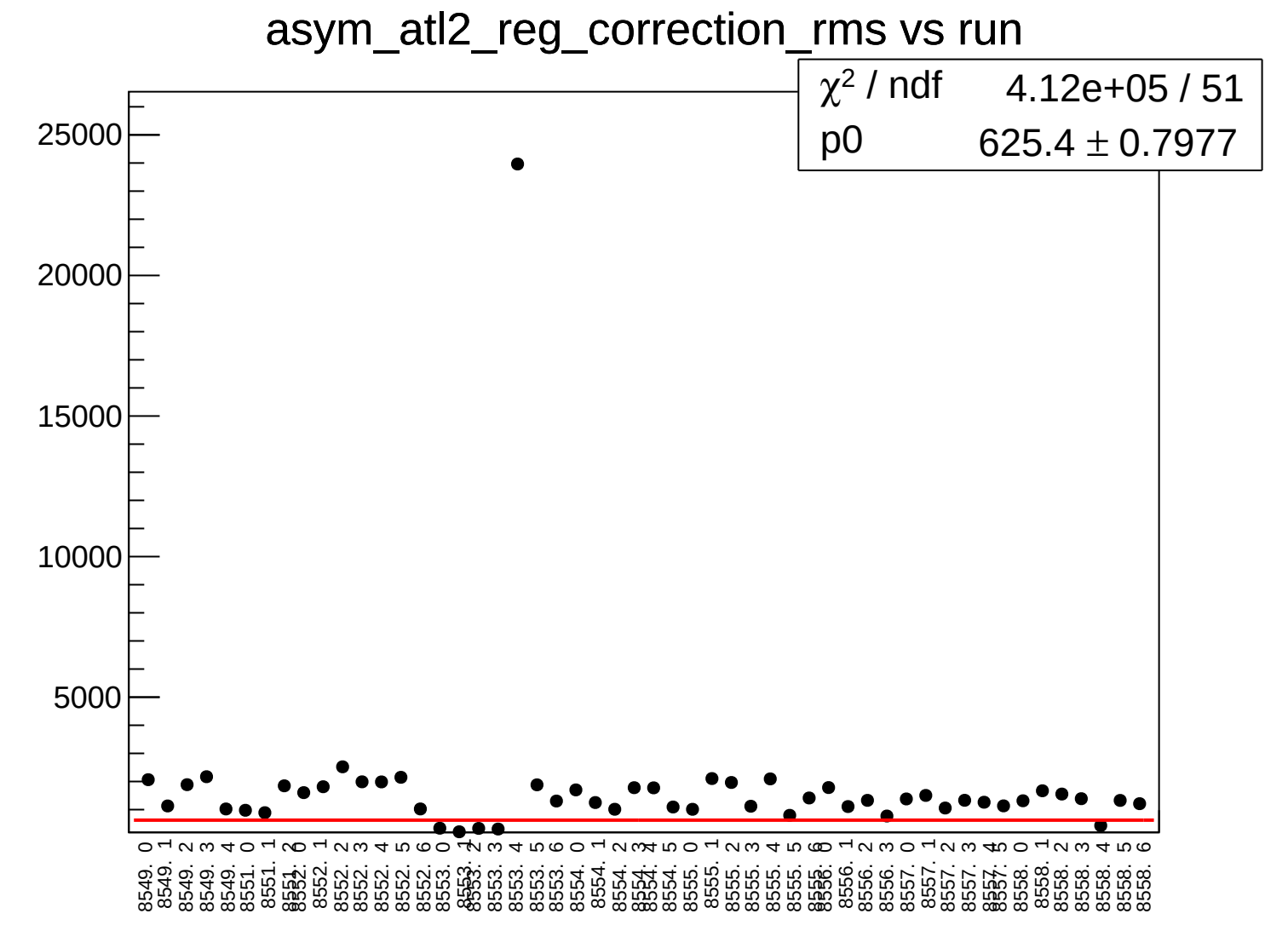

reg_asym_atl2_mean vs run
×10^3
χ² / ndf 34.46 / 49
p0 4.076e+04 ± 4.896e+04
1500
1000
500
0
−500
−1000
−1500
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8551. 2
8552. 0
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 1
8553. 2
8553. 3
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 3
8554. 4
8554. 5
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8555. 6
8556. 0
8556. 1
8556. 2
8556. 3
8556. 4
8557. 1
8557. 2
8557. 3
8557. 4
8557. 5
8557. 6
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6
pull
Entries 50
Mean −2.951
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5

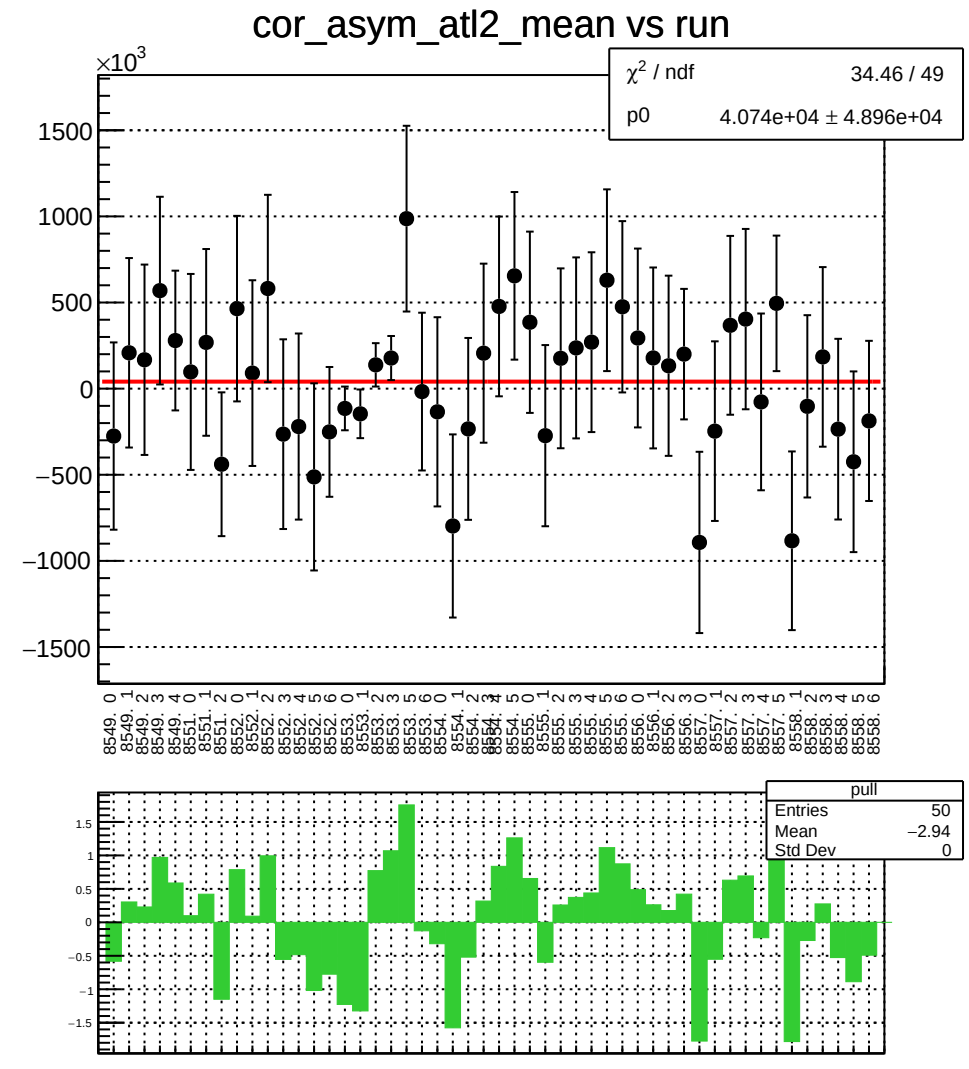

pull1D
Entries 50
Mean 0.03102
Std Dev 0.8296
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

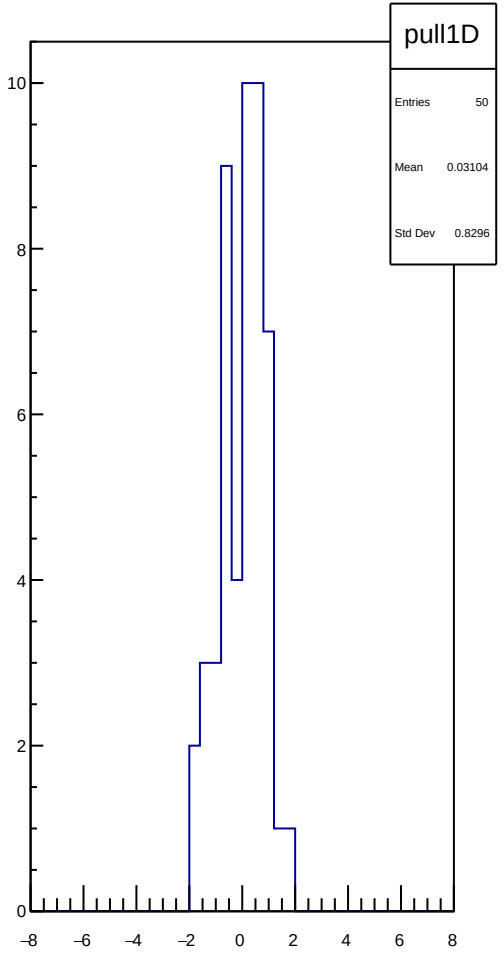

reg_asym_atl2_rms vs run
χ² / ndf 3.004e+05 / 50
p0 2.901e+04 ± 34.47
50000
40000
30000
20000
10000
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8551. 2
8552. 0
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 1
8553. 2
8553. 3
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 3
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8555. 6
8556. 0
8556. 1
8556. 2
8556. 3
8557. 1
8557. 2
8557. 3
8557. 4
8557. 5
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

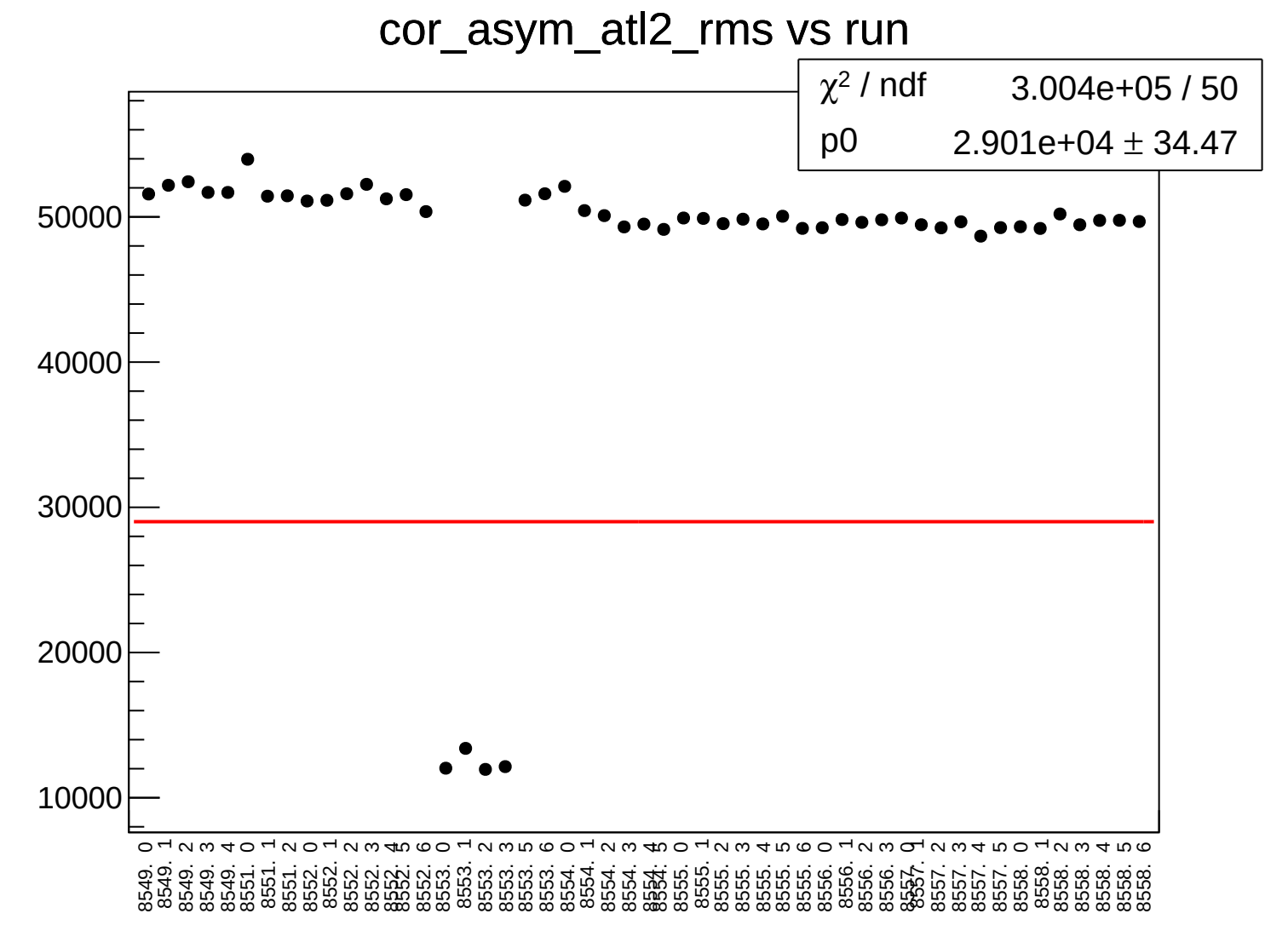

asym_atl2_reg_correction_mean vs run
χ² / ndf 70.85 / 51
p0 489.5 ± 1128
×10³
300
200
100
0
−100
−200
pull
Entries 52
Mean 120.9
Std Dev 0
3
2
1
0
−1
−2

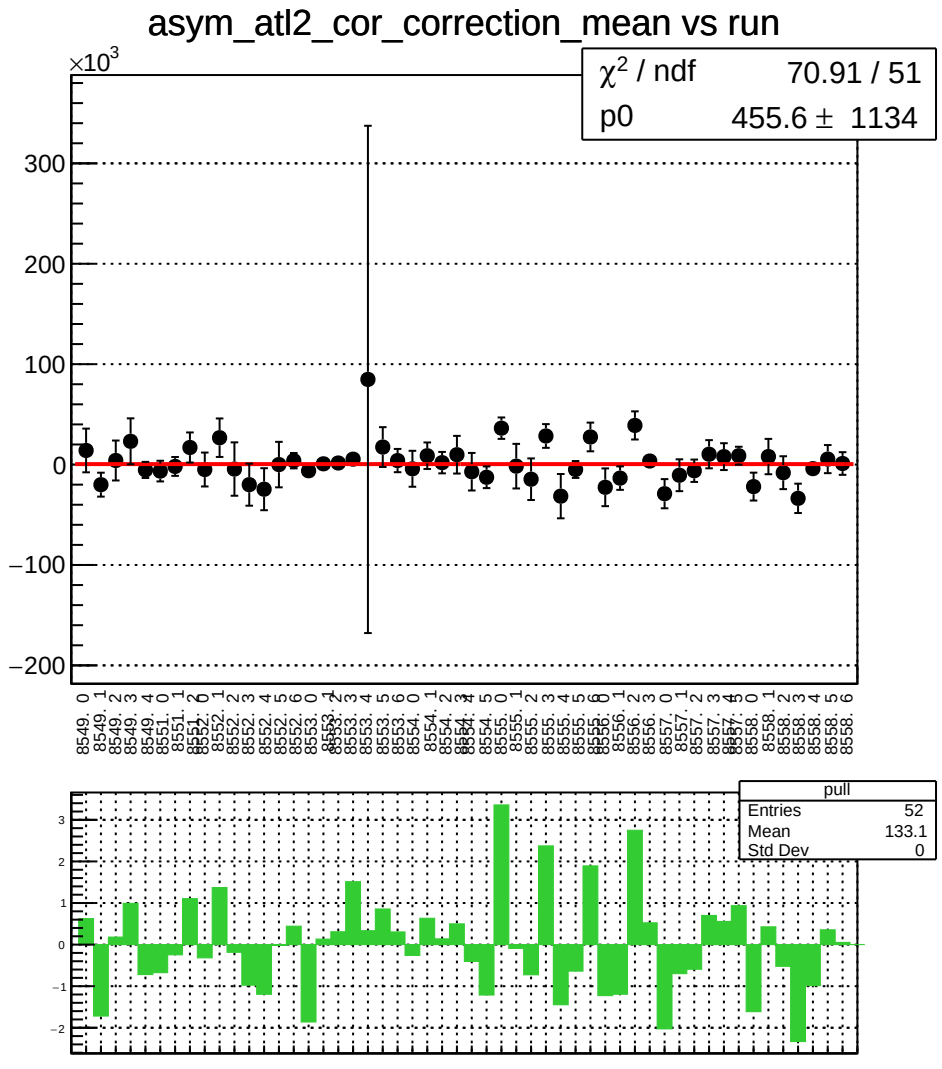

pull1D
Entries 52
Mean −0.01145
Std Dev 1.167
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

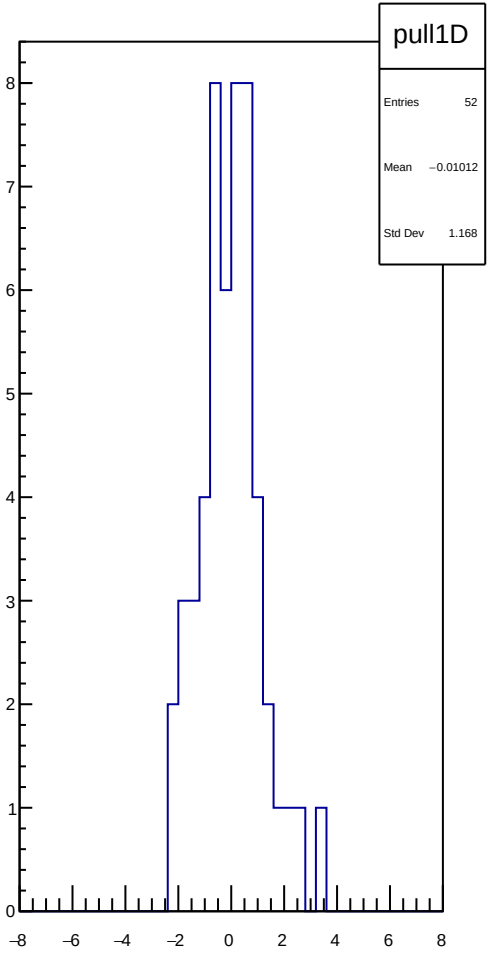

asym_atl2_reg_correction_rms vs run
χ² / ndf 4.12e+05 / 51
p0 625.4 ± 0.7977
25000
20000
15000
10000
5000
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 0
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 1
8553. 2
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 5
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

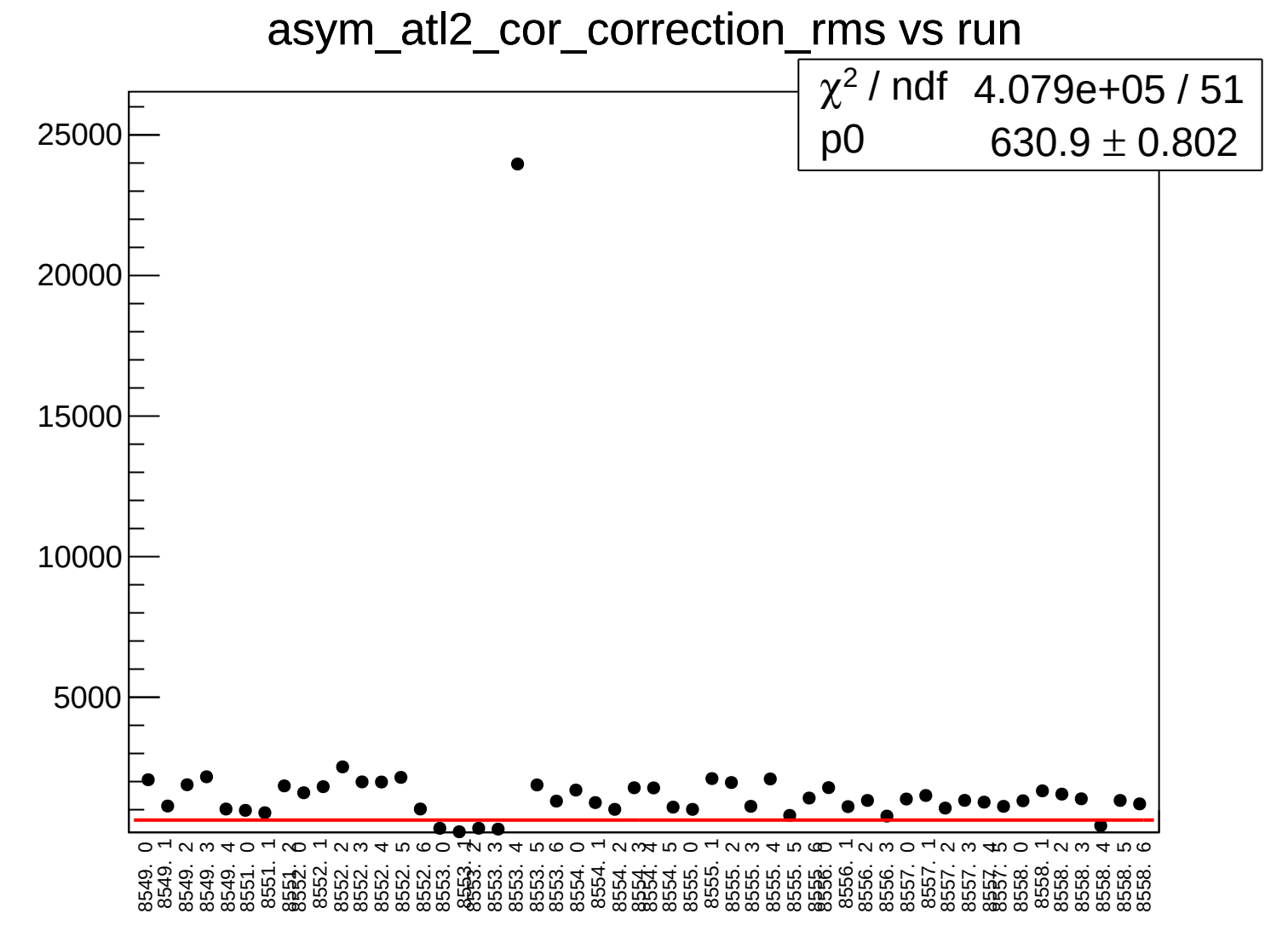

cor_asym_atl2_mean vs run
×10^3
χ² / ndf 34.46 / 49
p0 4.074e+04 ± 4.896e+04
1500
1000
500
0
−500
−1000
−1500
pull
Entries 50
Mean −2.94
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5

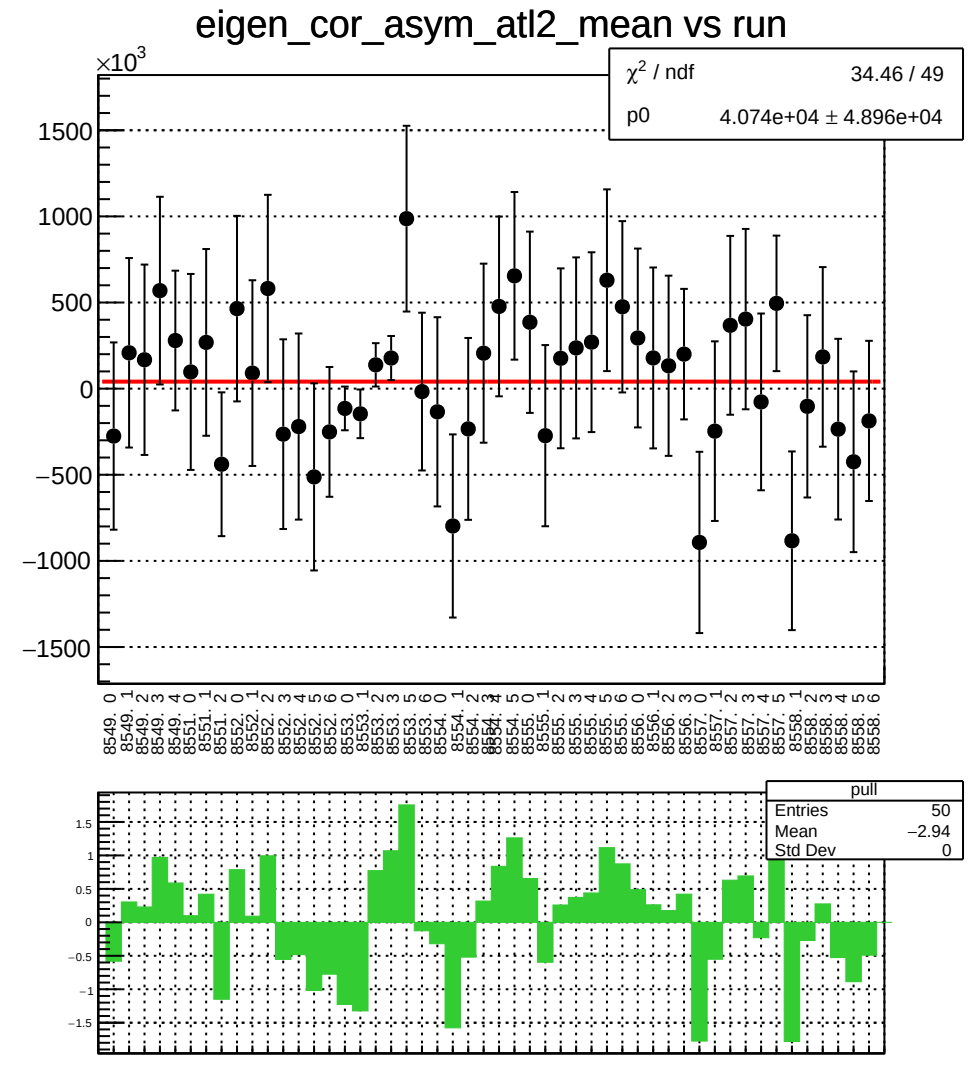

pull1D
Entries 50
Mean 0.03104
Std Dev 0.8296
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


cor_asym_atl2_rms vs run
χ² / ndf 3.004e+05 / 50
p0 2.901e+04 ± 34.47
50000
40000
30000
20000
10000
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8551. 2
8552. 0
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 1
8553. 2
8553. 3
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 3
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8555. 6
8556. 0
8556. 1
8556. 2
8556. 3
8557. 1
8557. 2
8557. 3
8557. 4
8557. 5
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6


asym_atl2_cor_correction_mean vs run
×10^3
χ² / ndf 70.91 / 51
p0 455.6 ± 1134
300
200
100
0
−100
−200
pull
Entries 52
Mean 133.1
Std Dev 0
3
2
1
0
−1
−2


pull1D
Entries 52
Mean −0.01012
Std Dev 1.168
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 4.079e+05 / 51
p0 630.9 ± 0.802
25000
20000
15000
10000
5000
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 5
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6


eigen_cor_asym_atl2_mean vs run
×10^3
χ² / ndf 34.46 / 49
p0 4.074e+04 ± 4.896e+04
1500
1000
500
0
−500
−1000
−1500
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8551. 2
8552. 0
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
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8553. 6
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8554. 1
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8554. 5
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
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8555. 6
8556. 0
8556. 1
8556. 2
8556. 3
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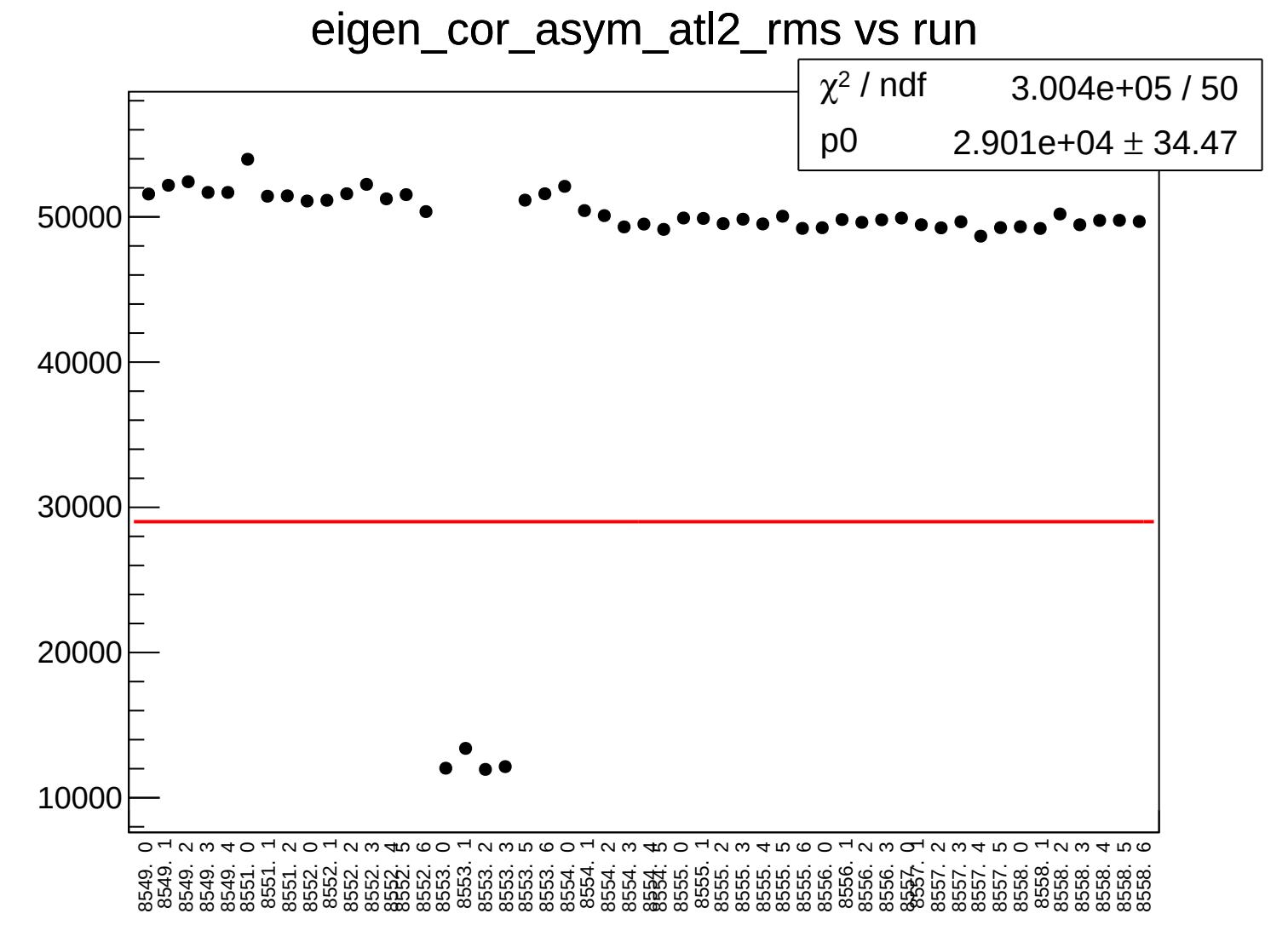
8557. 1
8557. 2
8557. 3
8557. 4
8557. 5
8557. 6
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6
pull
Entries 50
Mean −2.94
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 50
Mean 0.03104
Std Dev 0.8296
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


eigen_cor_asym_atl2_rms vs run
χ² / ndf 3.004e+05 / 50
p0 2.901e+04 ± 34.47
50000
40000
30000
20000
10000
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8551. 2
8552. 0
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 1
8553. 2
8553. 3
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 3
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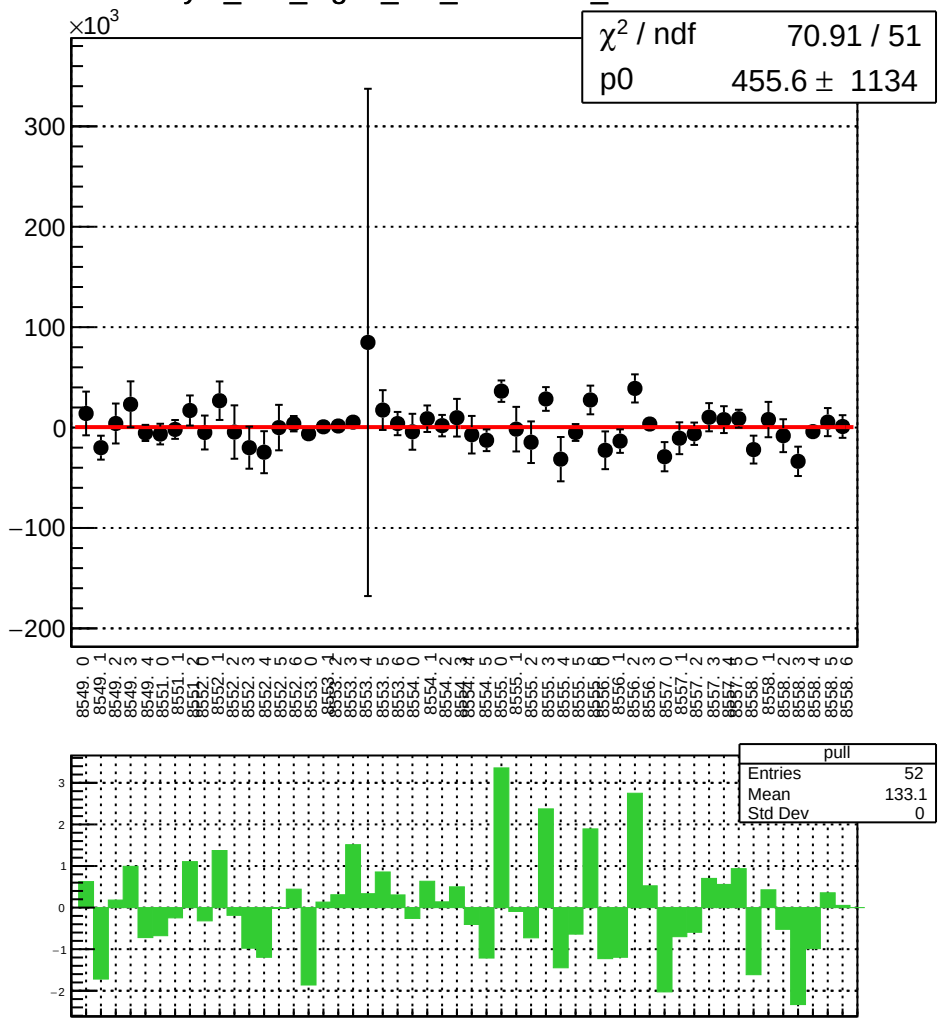
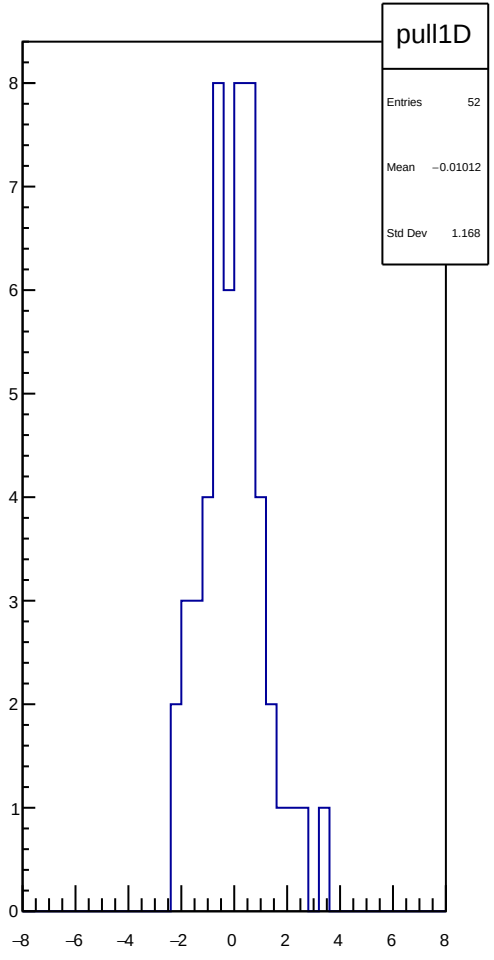
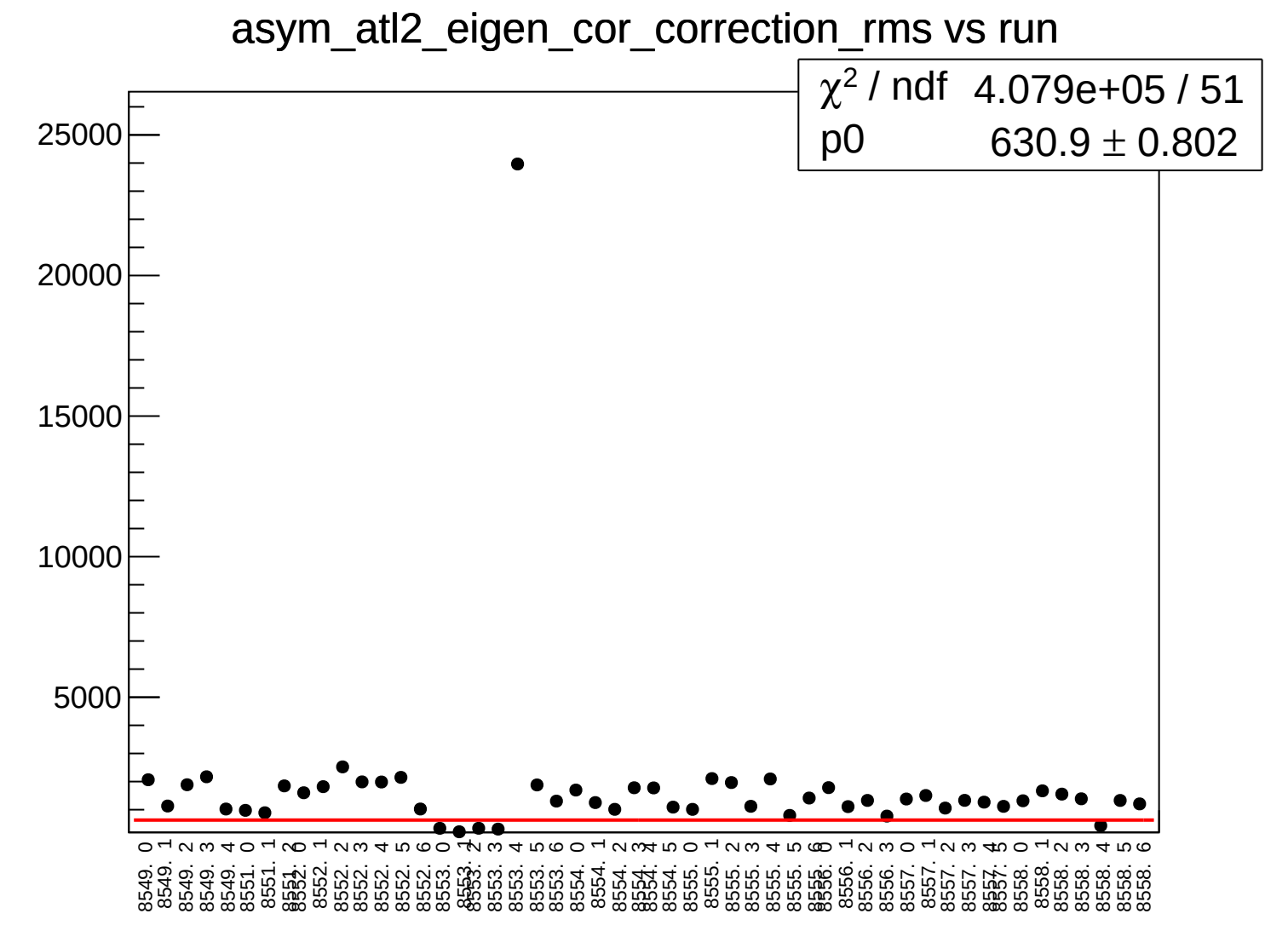
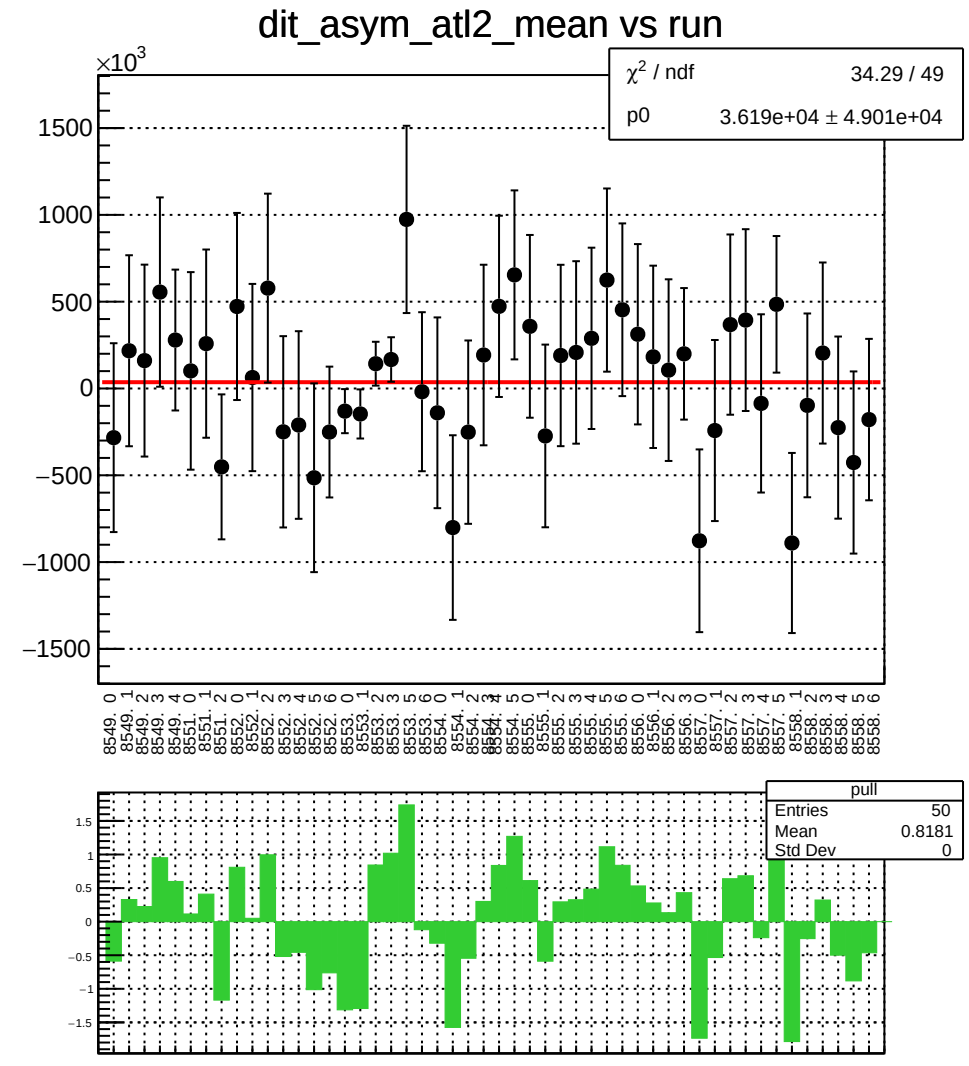
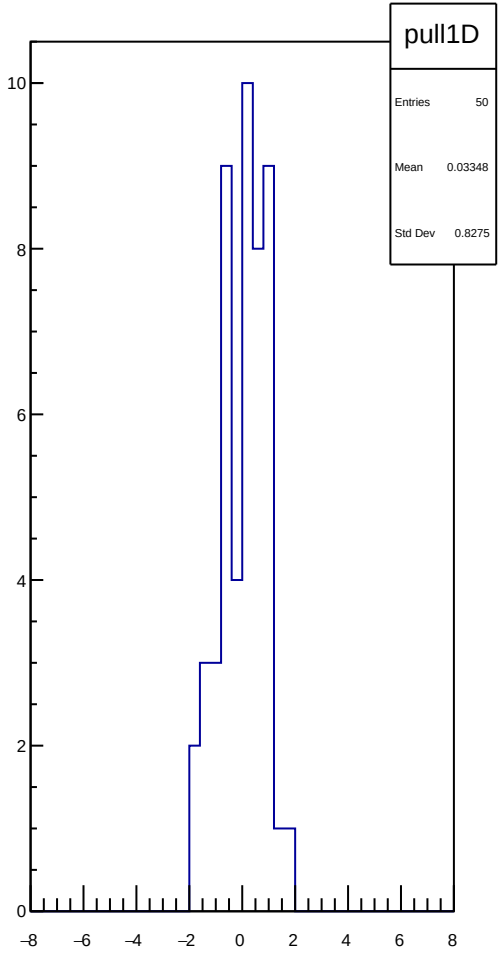
8555. 5
8555. 6
8556. 0
8556. 1
8556. 2
8556. 3
8557. 1
8557. 2
8557. 3
8557. 4
8557. 5
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

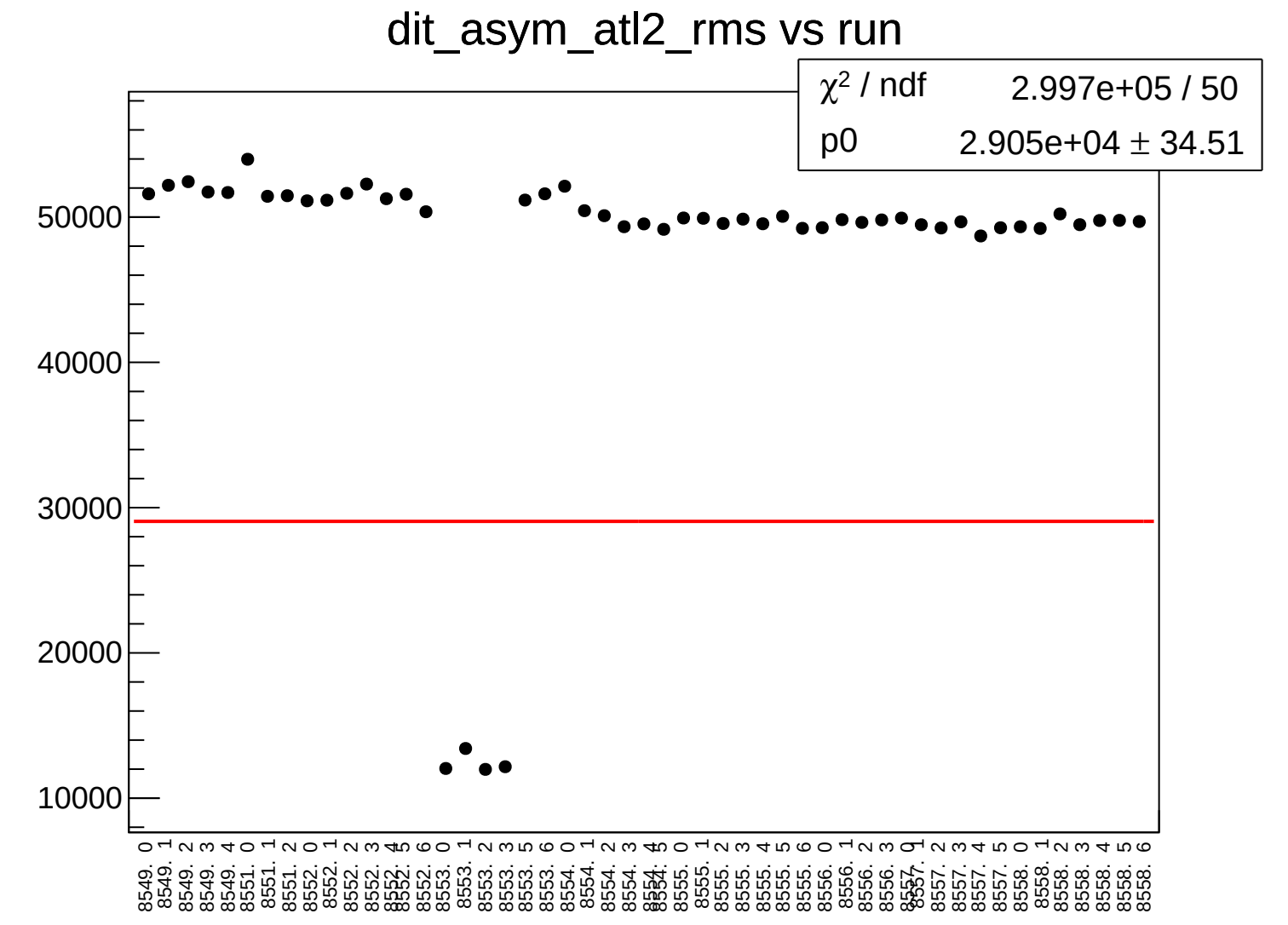

asym_atl2_eigen_cor_correction_mean vs run
χ² / ndf 70.91 / 51
p0 455.6 ± 1134
×10³
300
200
100
0
−100
−200
pull
Entries 52
Mean 133.1
Std Dev 0

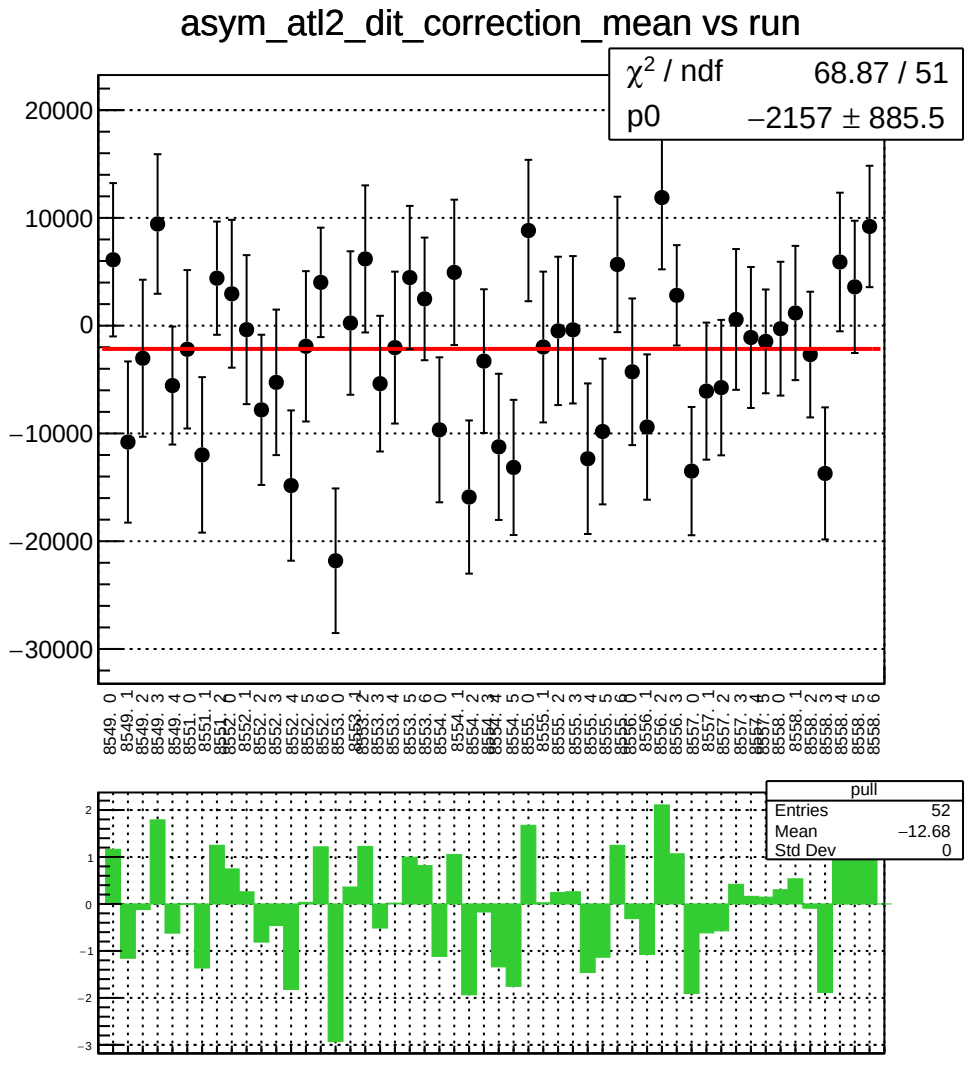

pull1D
Entries 52
Mean −0.01012
Std Dev 1.168

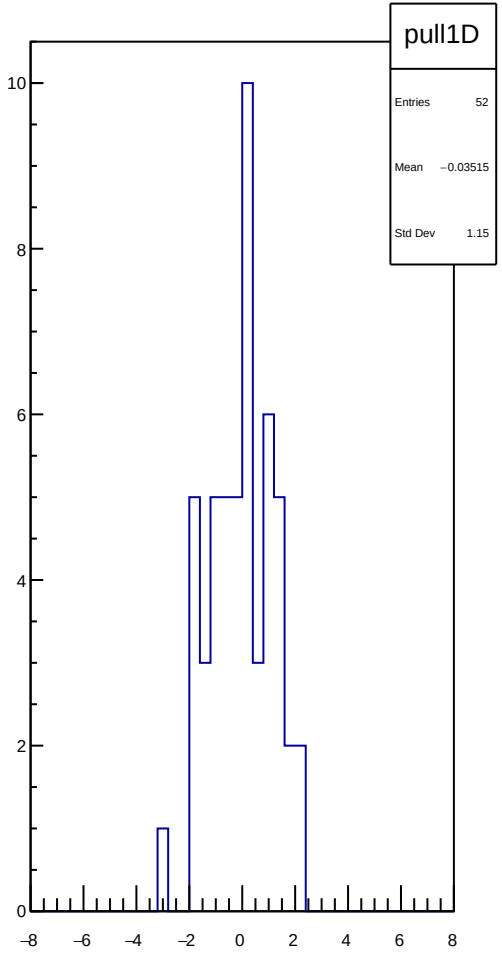

asym_atl2_eigen_cor_correction_rms vs run
χ² / ndf 4.079e+05 / 51
p0 630.9 ± 0.802
25000
20000
15000
10000
5000
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 0
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 1
8553. 2
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 3
8554. 4
8554. 5
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8557. 5
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

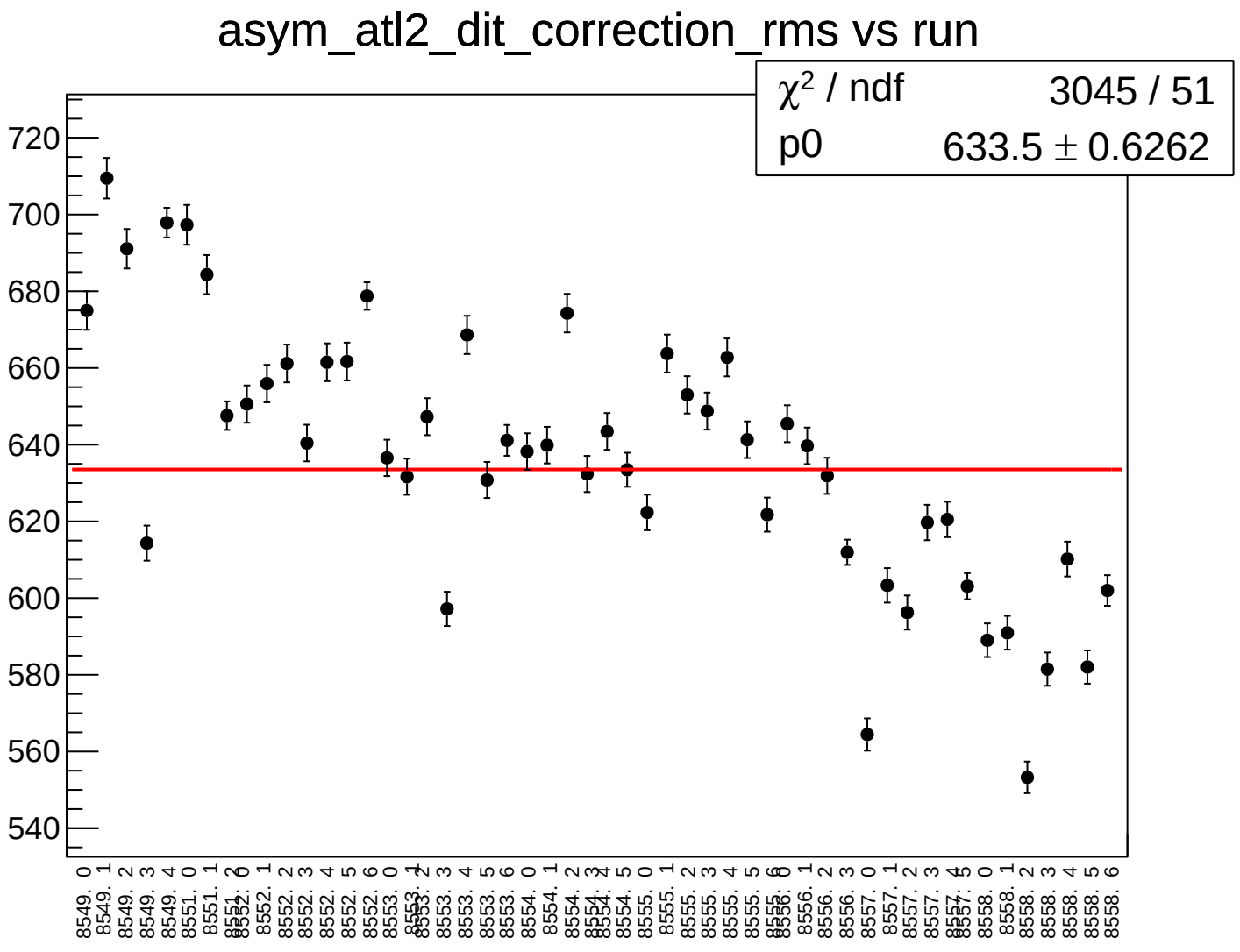

dit_asym_atl2_mean vs run
×10^3
χ² / ndf 34.29 / 49
p0 3.619e+04 ± 4.901e+04
1500
1000
500
0
−500
−1000
−1500
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8551. 2
8552. 0
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 1
8553. 2
8553. 3
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 3
8554. 4
8554. 5
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8555. 6
8556. 0
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8557. 4
8557. 5
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6
pull
Entries 50
Mean 0.8181
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5

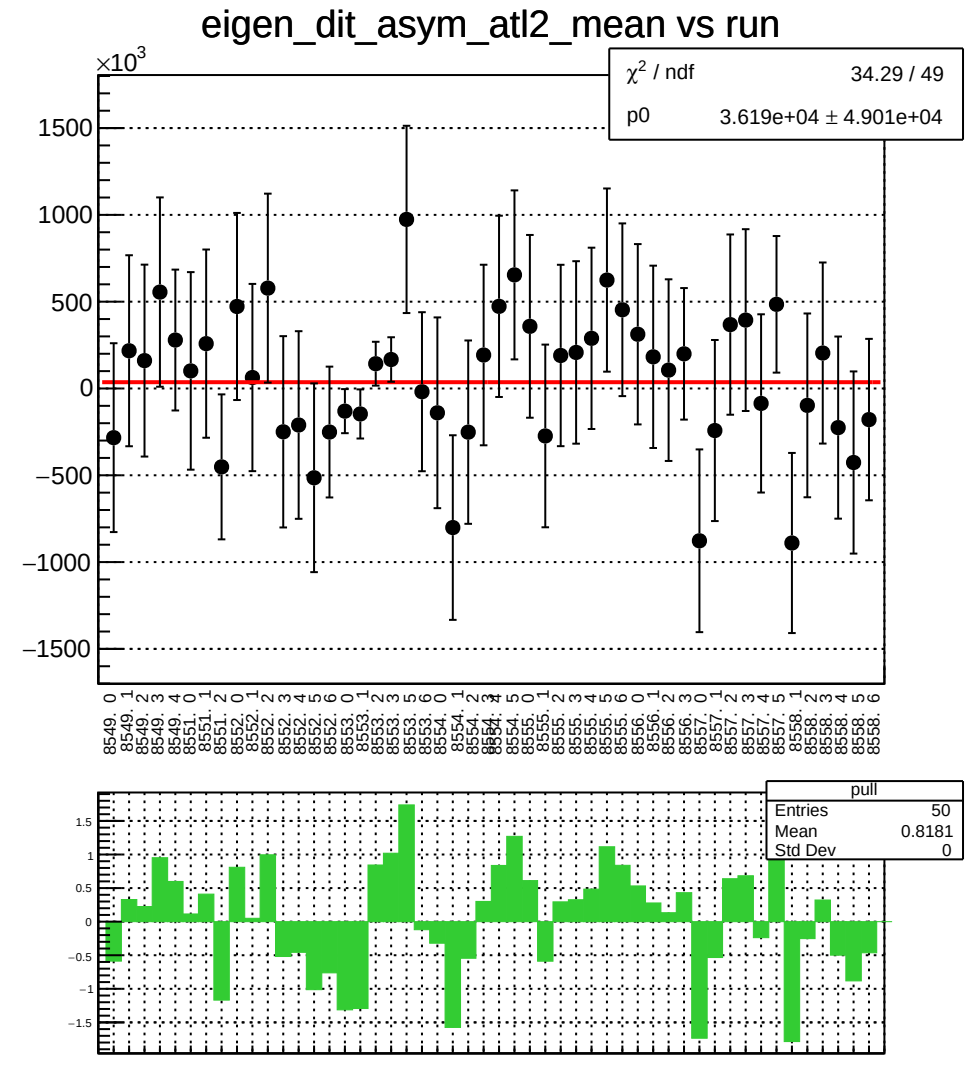

pull1D
Entries 50
Mean 0.03348
Std Dev 0.8275
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

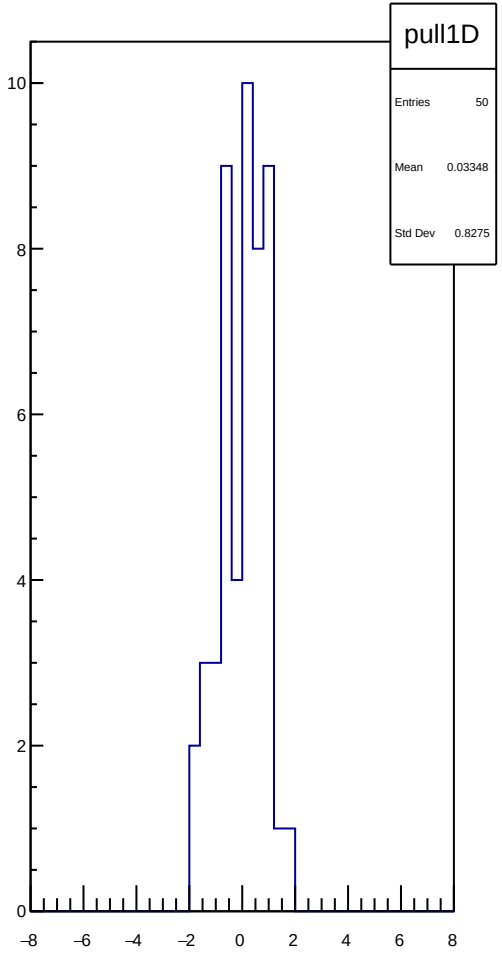

dit_asym_atl2_rms vs run
χ² / ndf 2.997e+05 / 50
p0 2.905e+04 ± 34.51
50000
40000
30000
20000
10000
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8551. 2
8552. 0
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 1
8553. 2
8553. 3
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 3
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8555. 6
8556. 0
8556. 1
8556. 2
8556. 3
8557. 1
8557. 2
8557. 3
8557. 4
8557. 5
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

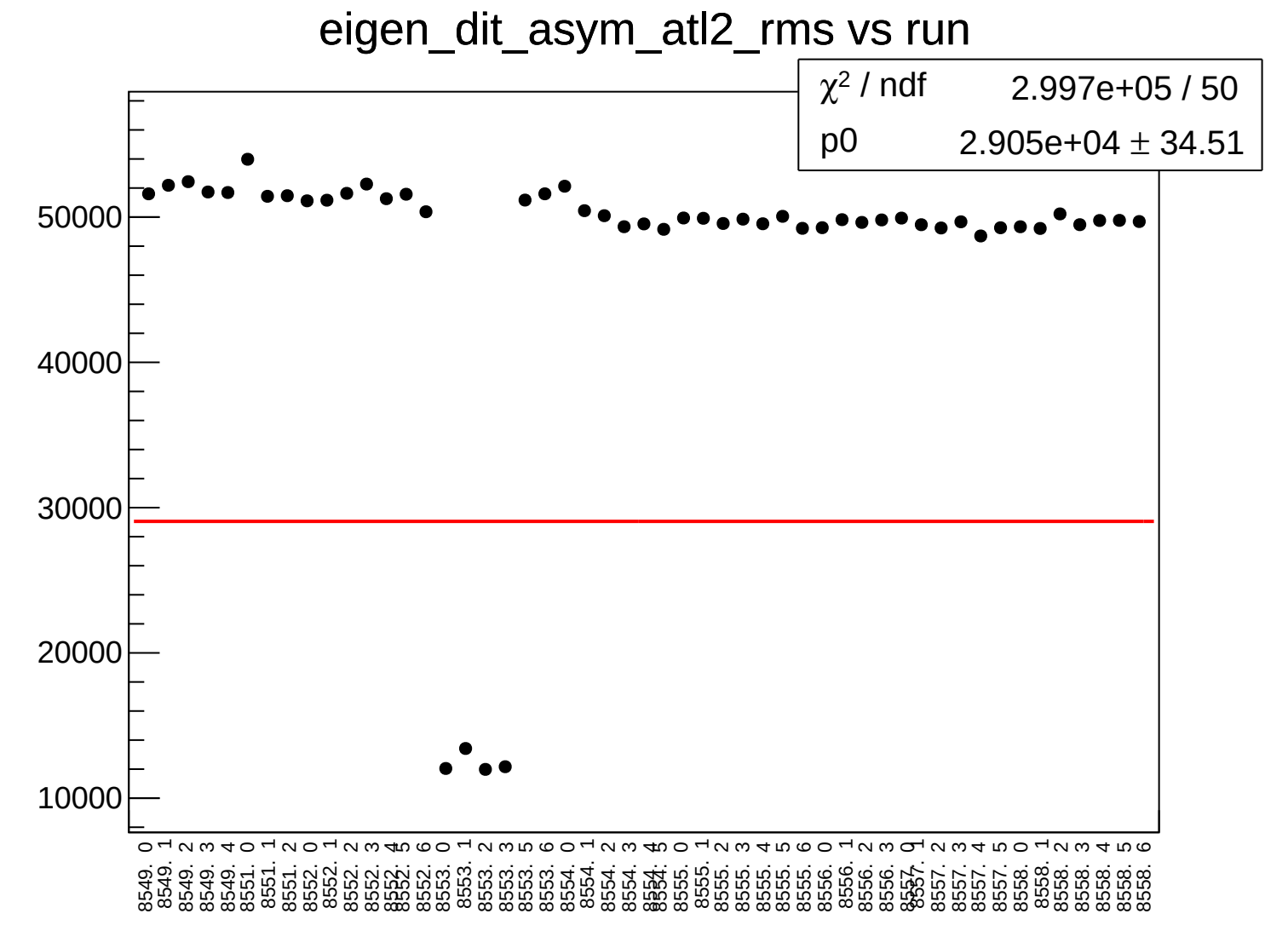

asym_atl2_dit_correction_mean vs run
χ² / ndf 68.87 / 51
p0 −2157 ± 885.5
20000
10000
0
−10000
−20000
−30000
pull
Entries 52
Mean −12.68
Std Dev 0
2
1
0
−1
−2
−3

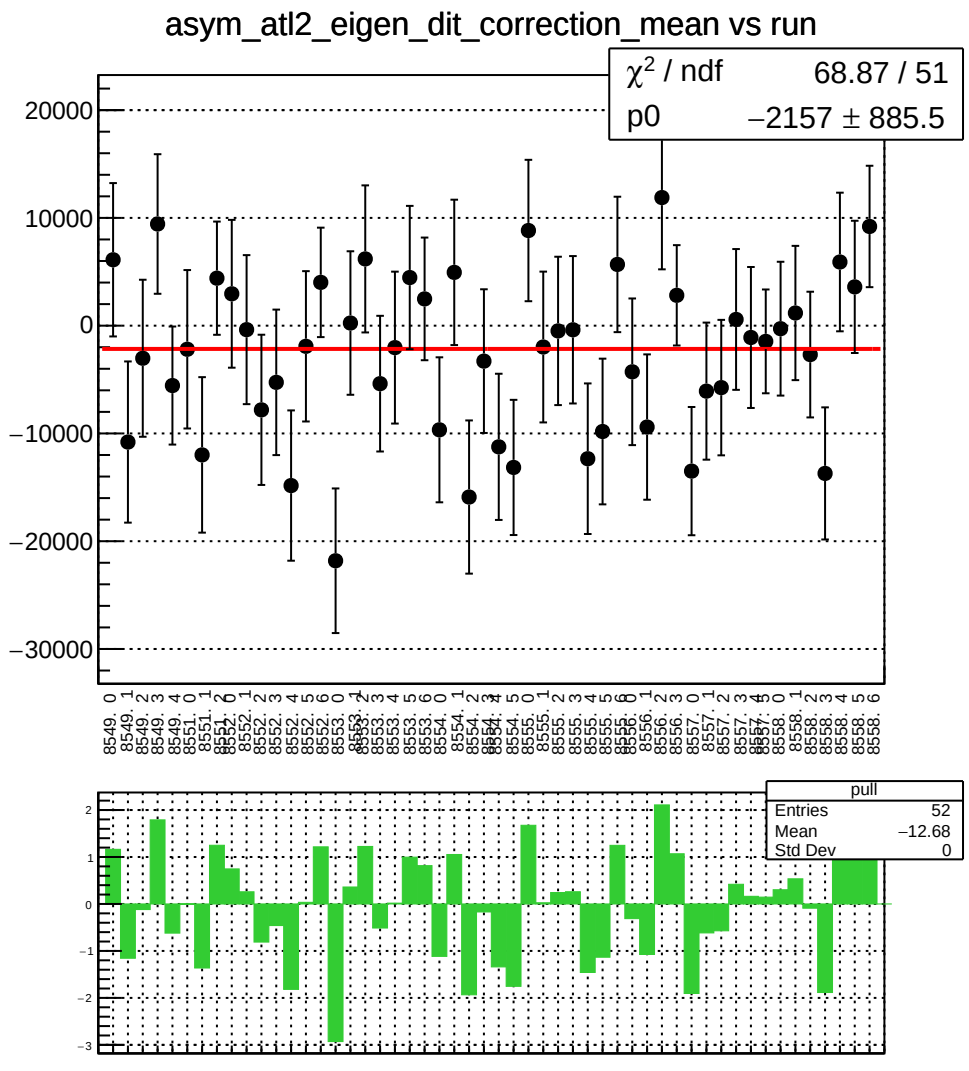

pull1D
Entries 52
Mean −0.03515
Std Dev 1.15
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

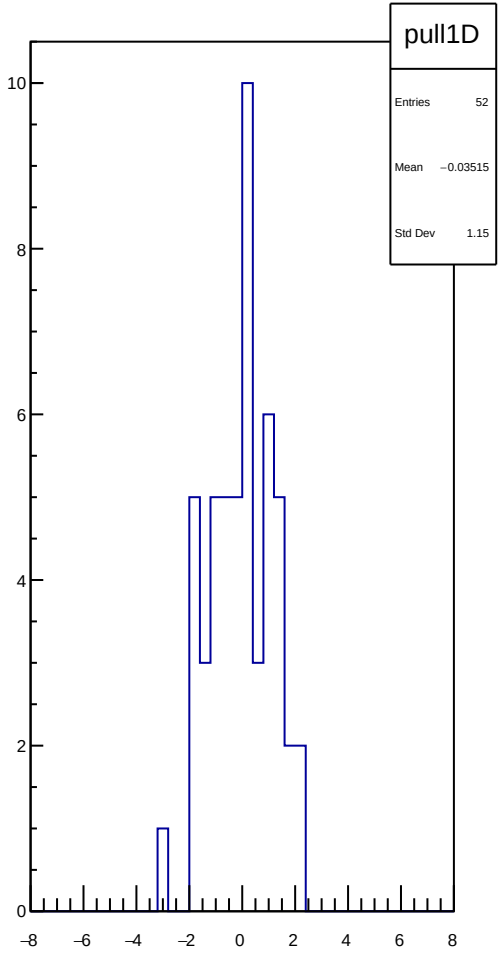

asym_atl2_dit_correction_rms vs run
χ² / ndf 3045 / 51
p0 633.5 ± 0.6262
720
700
680
660
640
620
600
580
560
540
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 5
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

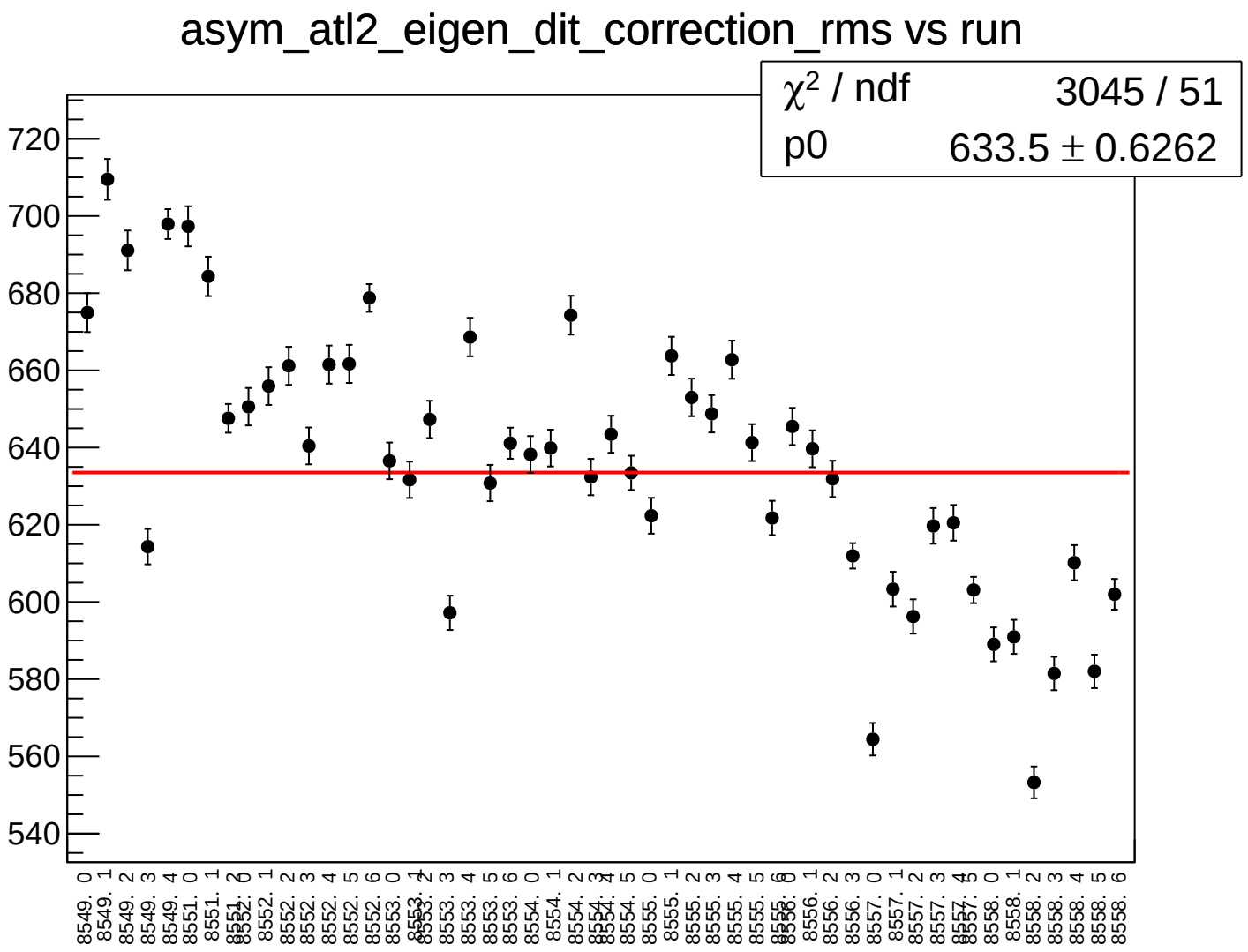

eigen_dit_asym_atl2_mean vs run
×10^3
χ² / ndf 34.29 / 49
p0 3.619e+04 ± 4.901e+04
1500
1000
500
0
−500
−1000
−1500
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8551. 2
8552. 0
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 1
8553. 2
8553. 3
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 3
8554. 4
8554. 5
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8555. 6
8556. 0
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8557. 4
8557. 5
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6
pull
Entries 50
Mean 0.8181
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5


pull1D
Entries 50
Mean 0.03348
Std Dev 0.8275
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


eigen_dit_asym_atl2_rms vs run
χ² / ndf 2.997e+05 / 50
p0 2.905e+04 ± 34.51
50000
40000
30000
20000
10000
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8551. 2
8552. 0
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 1
8553. 2
8553. 3
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 3
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8555. 6
8556. 0
8556. 1
8556. 2
8556. 3
8557. 1
8557. 2
8557. 3
8557. 4
8557. 5
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6


asym_atl2_eigen_dit_correction_mean vs run
χ² / ndf 68.87 / 51
p0 −2157 ± 885.5
pull
Entries 52
Mean −12.68
Std Dev 0


pull1D
Entries 52
Mean −0.03515
Std Dev 1.15


asym_atl2_eigen_dit_correction_rms vs run
χ² / ndf 3045 / 51
p0 633.5 ± 0.6262
720
700
680
660
640
620
600
580
560
540
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 5
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
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8557. 0
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8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
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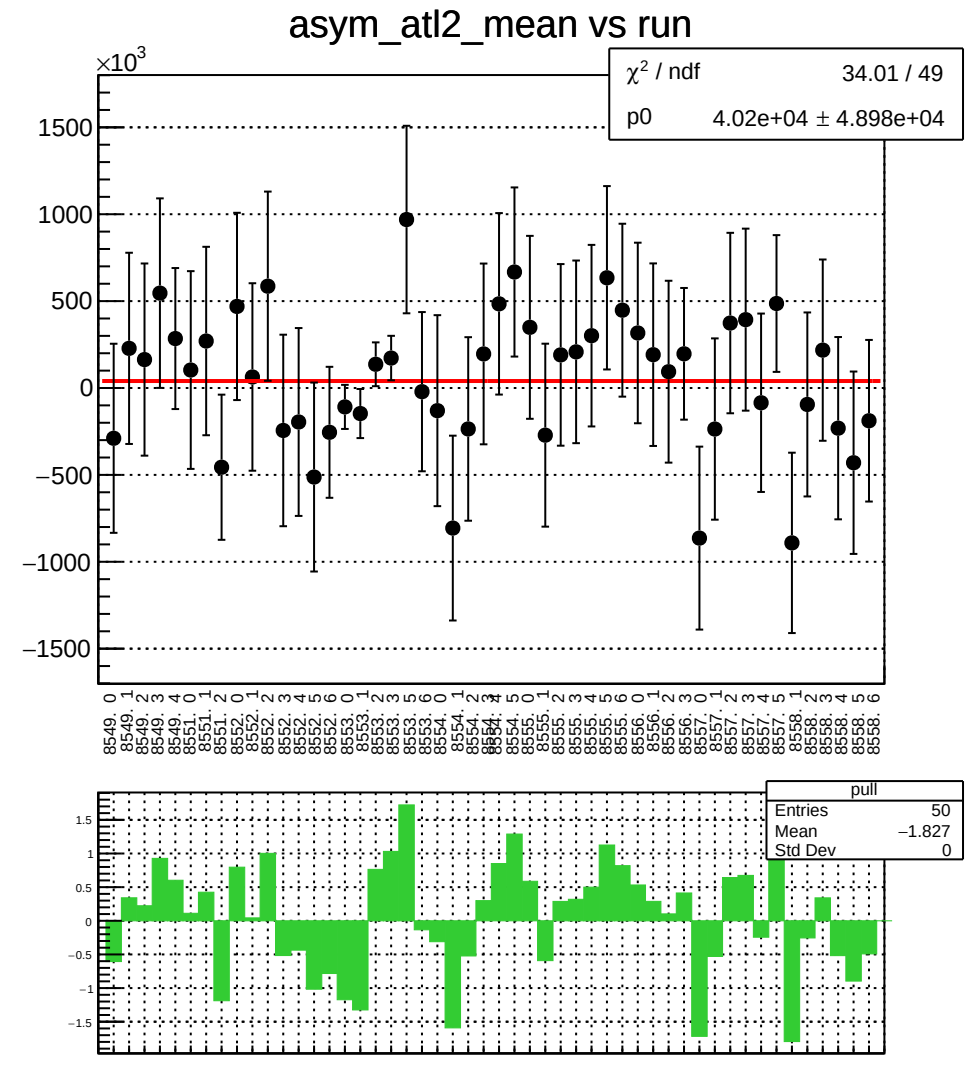
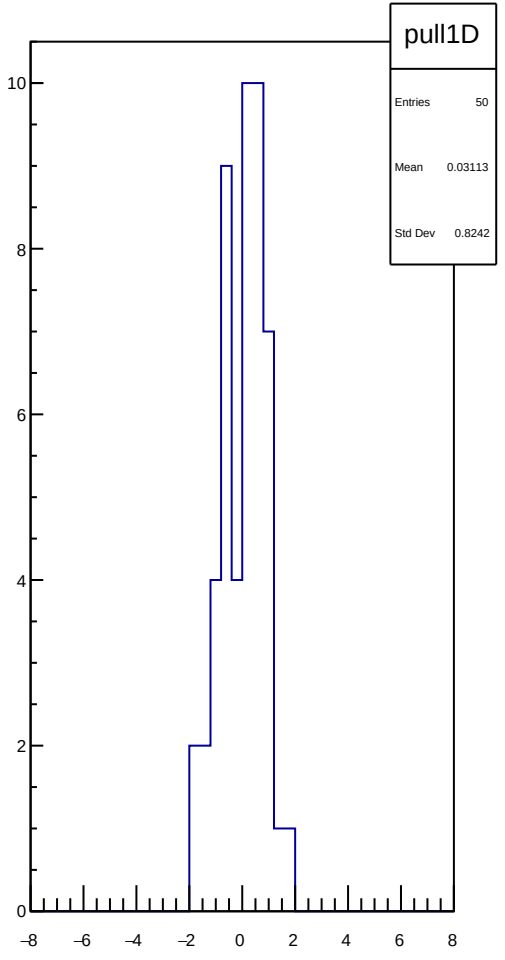
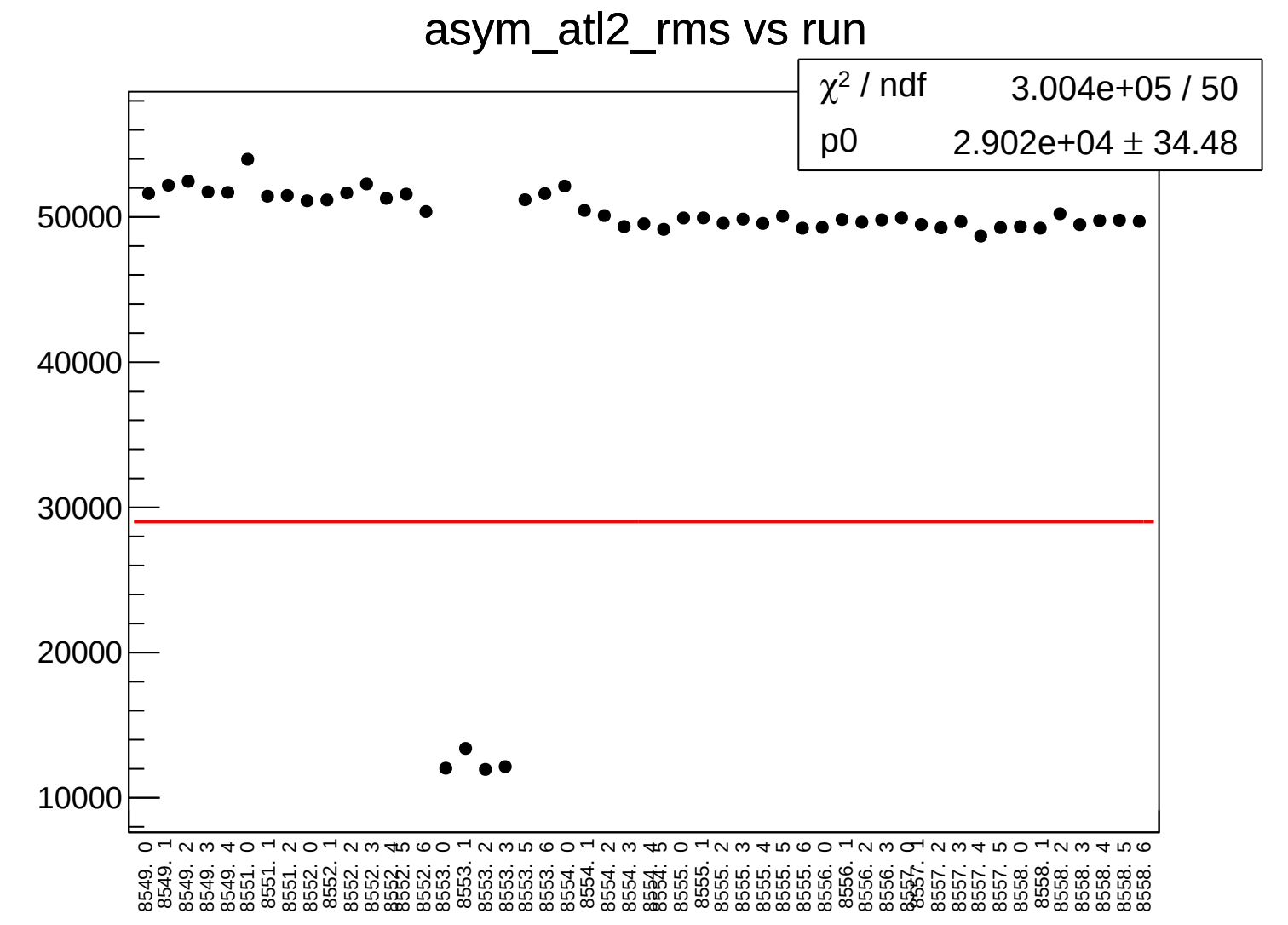
8558. 5
8558. 6


asym_atl2_mean vs run
×10^3
χ² / ndf 34.01 / 49
p0 4.02e+04 ± 4.898e+04
1500
1000
500
0
−500
−1000
−1500
pull
Entries 50
Mean −1.827
Std Dev 0


pull1D
Entries 50
Mean 0.03113
Std Dev 0.8242


asym_atl2_rms vs run
χ² / ndf 3.004e+05 / 50
p0 2.902e+04 ± 34.48
50000
40000
30000
20000
10000
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8551. 2
8552. 0
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 1
8553. 2
8553. 3
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 3
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8555. 6
8556. 0
8556. 1
8556. 2
8556. 3
8557. 1
8557. 2
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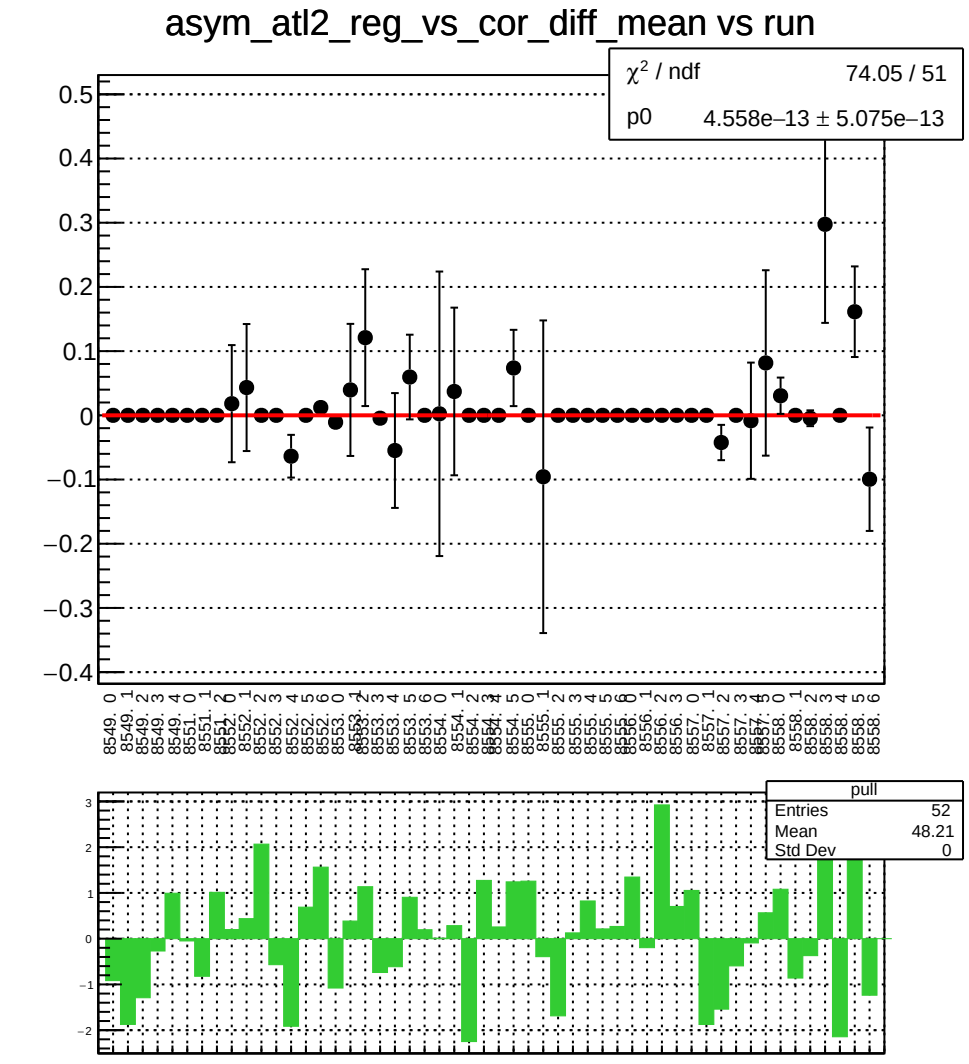
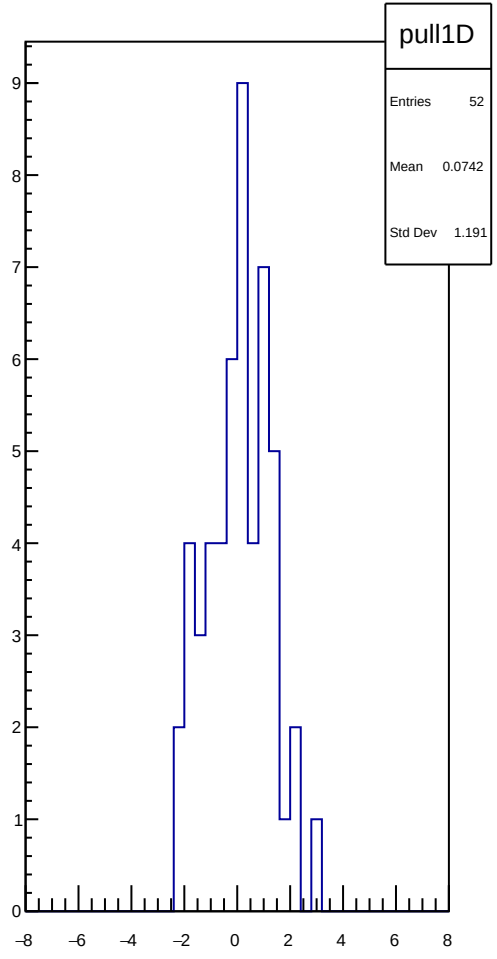
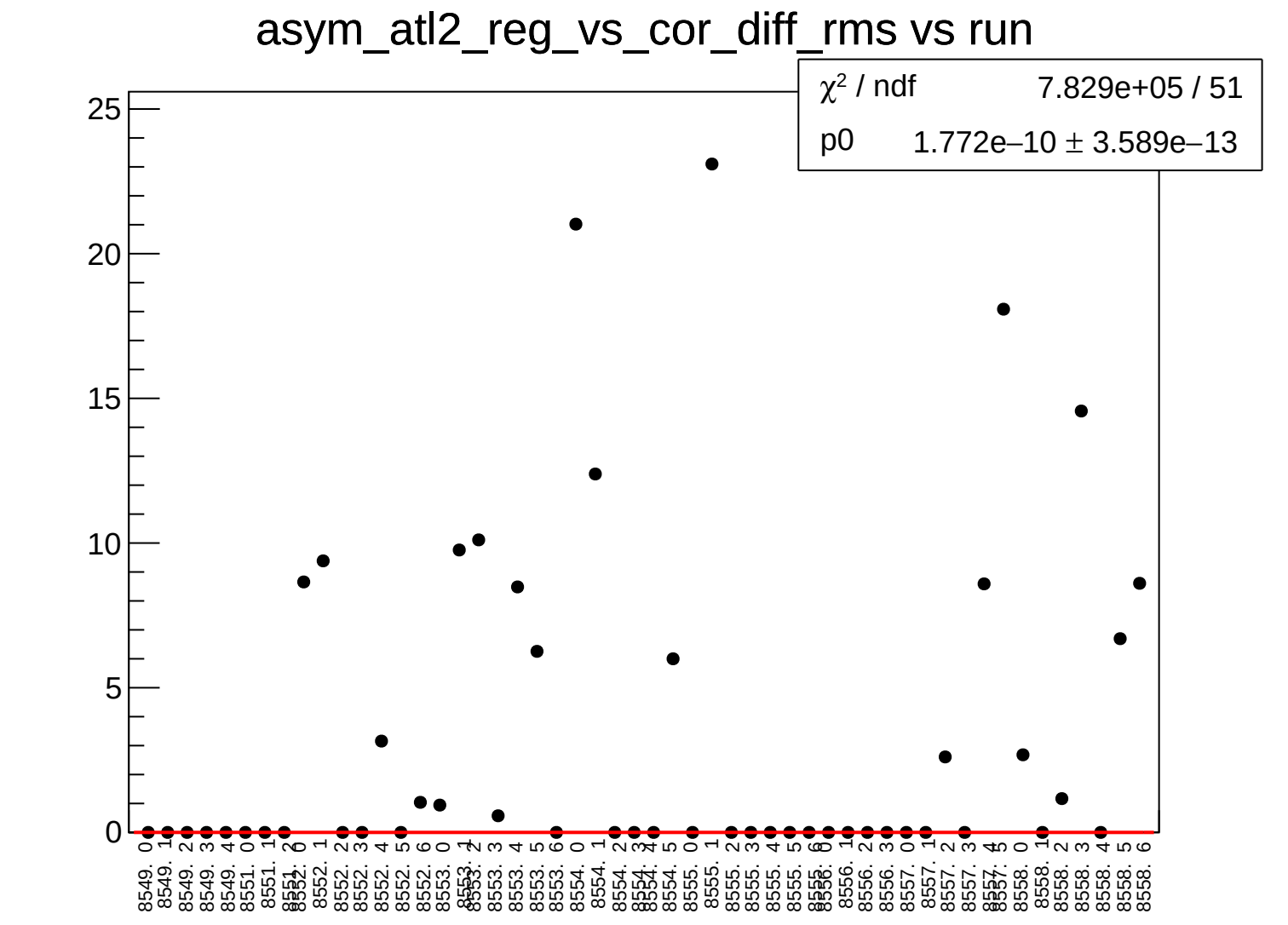
8557. 5
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6


asym_atl2_reg_vs_cor_diff_mean vs run
χ² / ndf 74.05 / 51
p0 4.558e−13 ± 5.075e−13
pull
Entries 52
Mean 48.21
Std Dev 0


pull1D
Entries 52
Mean 0.0742
Std Dev 1.191


asym_atl2_reg_vs_cor_diff_rms vs run
χ² / ndf 7.829e+05 / 51
p0 1.772e−10 ± 3.589e−13
25
20
15
10
5
0
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 0
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
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8553. 2
8553. 3
8553. 4
8553. 5
8553. 6
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8554. 1
8554. 2
8554. 3
8554. 4
8554. 5
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
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8558. 1
8558. 2
8558. 3
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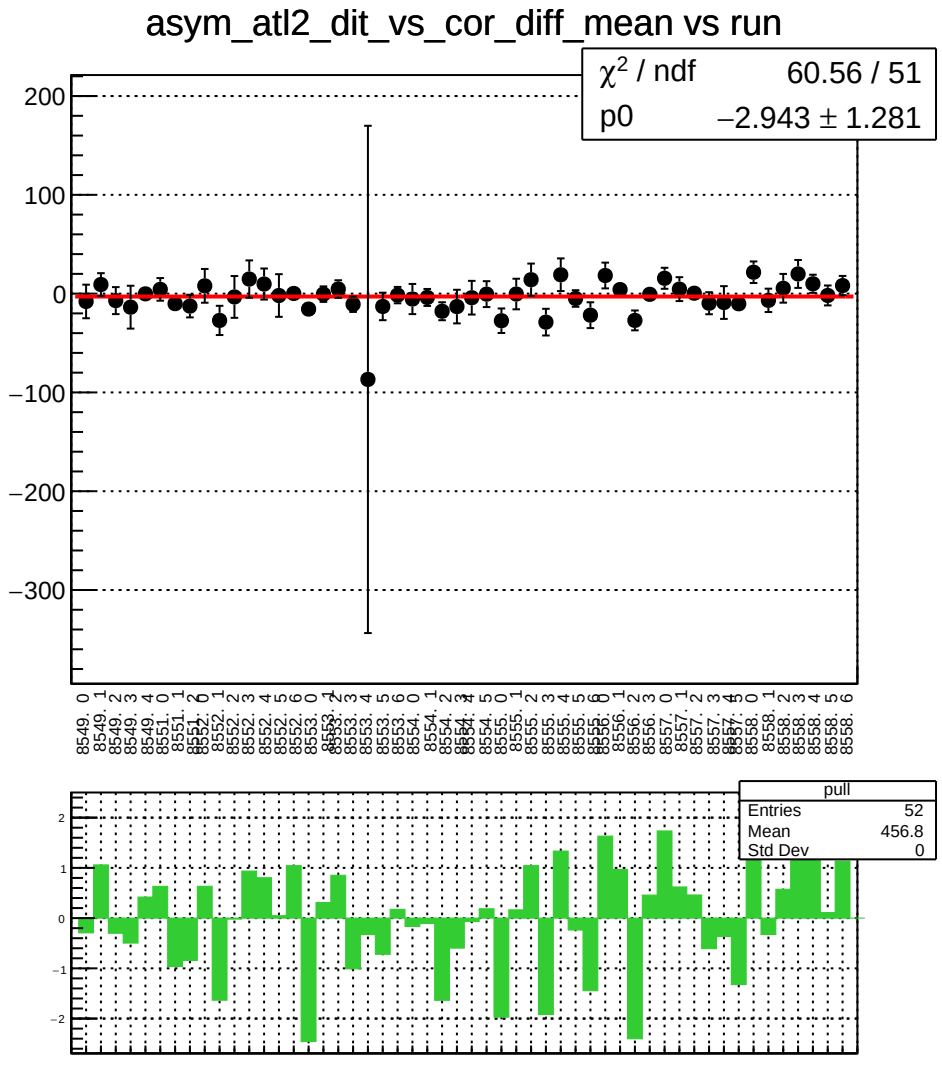
8558. 6


asym_atl2_dit_vs_cor_diff_mean vs run
χ² / ndf 60.56 / 51
p0 −2.943 ± 1.281
200
100
0
−100
−200
−300
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8551. 2
8551. 6
8552. 1
8552. 2
8552. 3
8552. 4
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8553. 0
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8557. 2
8557. 3
8557. 4
8557. 5
8558. 0
8558. 1
8558. 2
8558. 3
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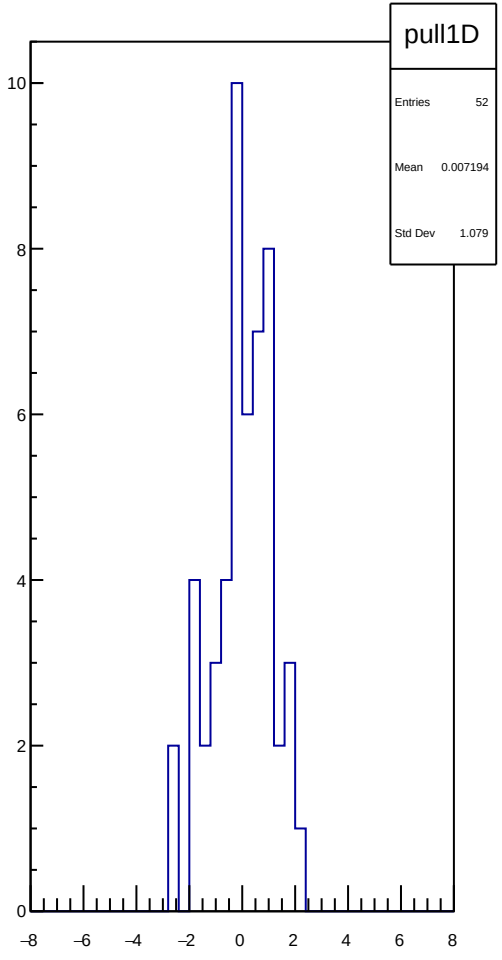
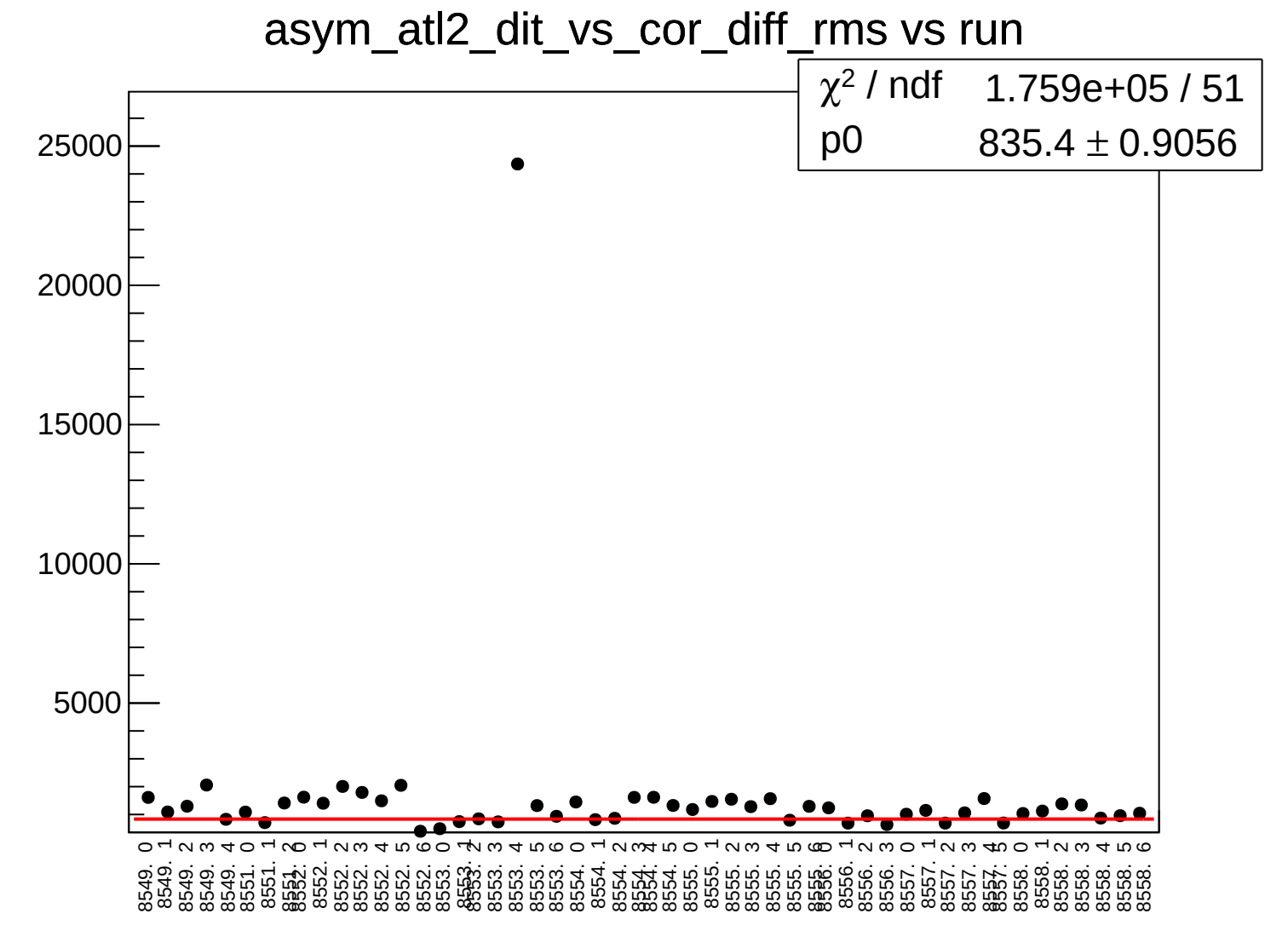
8558. 5
8558. 6
pull
Entries 52
Mean 456.8
Std Dev 0
2
1
0
−1
−2


pull1D
Entries 52
Mean 0.007194
Std Dev 1.079
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


asym_atl2_dit_vs_cor_diff_rms vs run
χ² / ndf 1.759e+05 / 51
p0 835.4 ± 0.9056
25000
20000
15000
10000
5000
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 0
8552. 1
8552. 2
8552. 3
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8554. 2
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8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
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8557. 3
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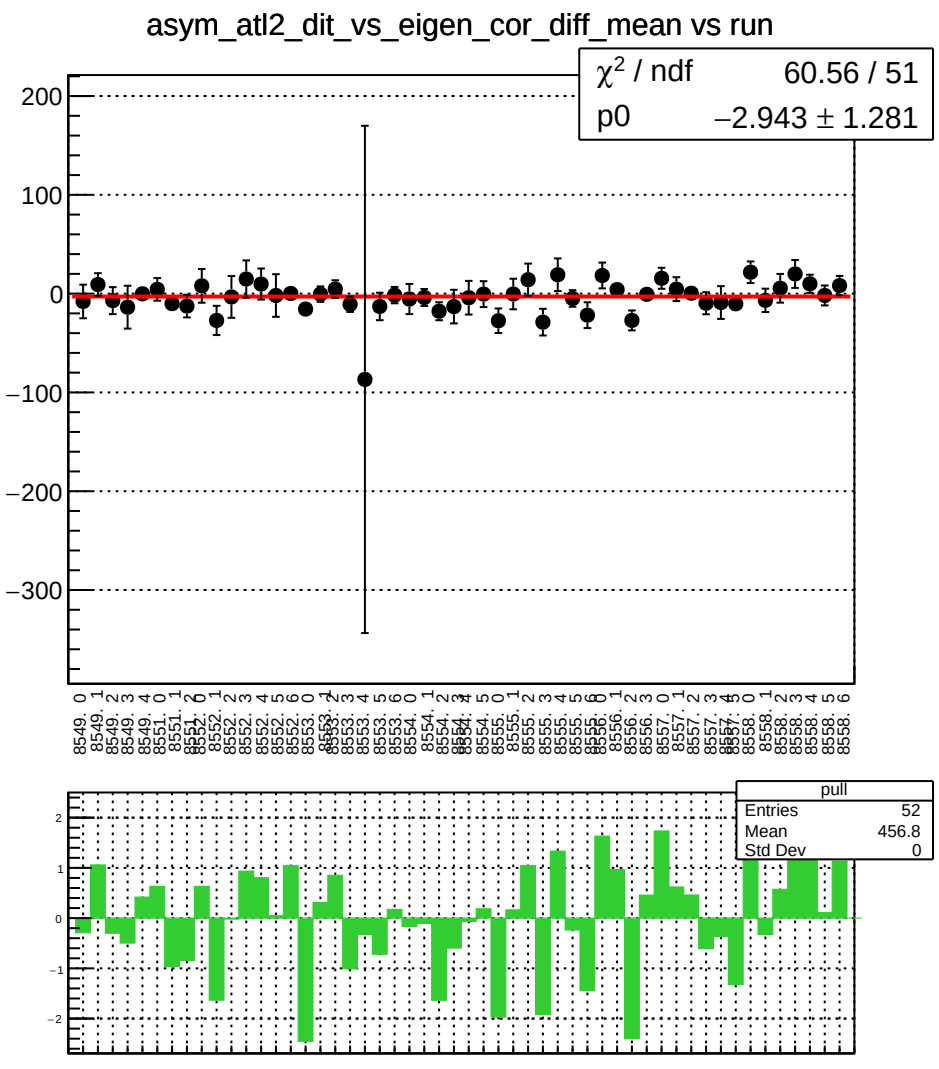
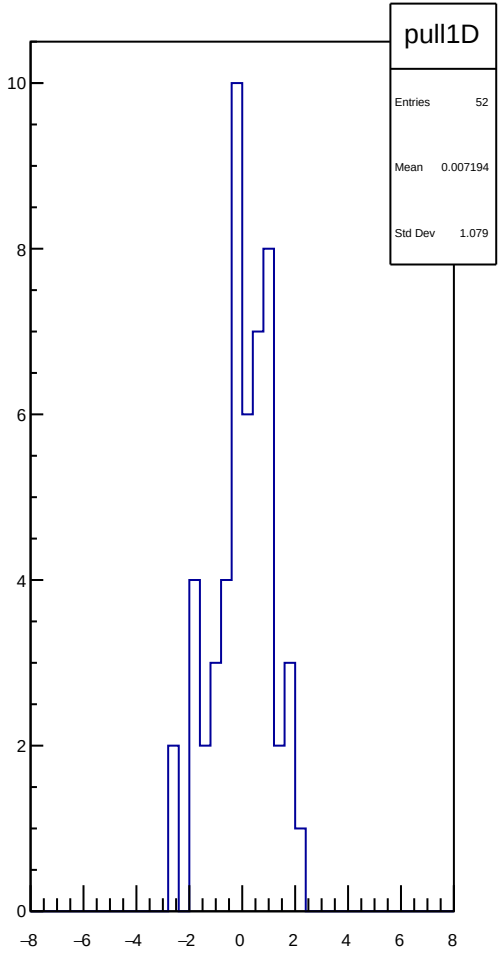
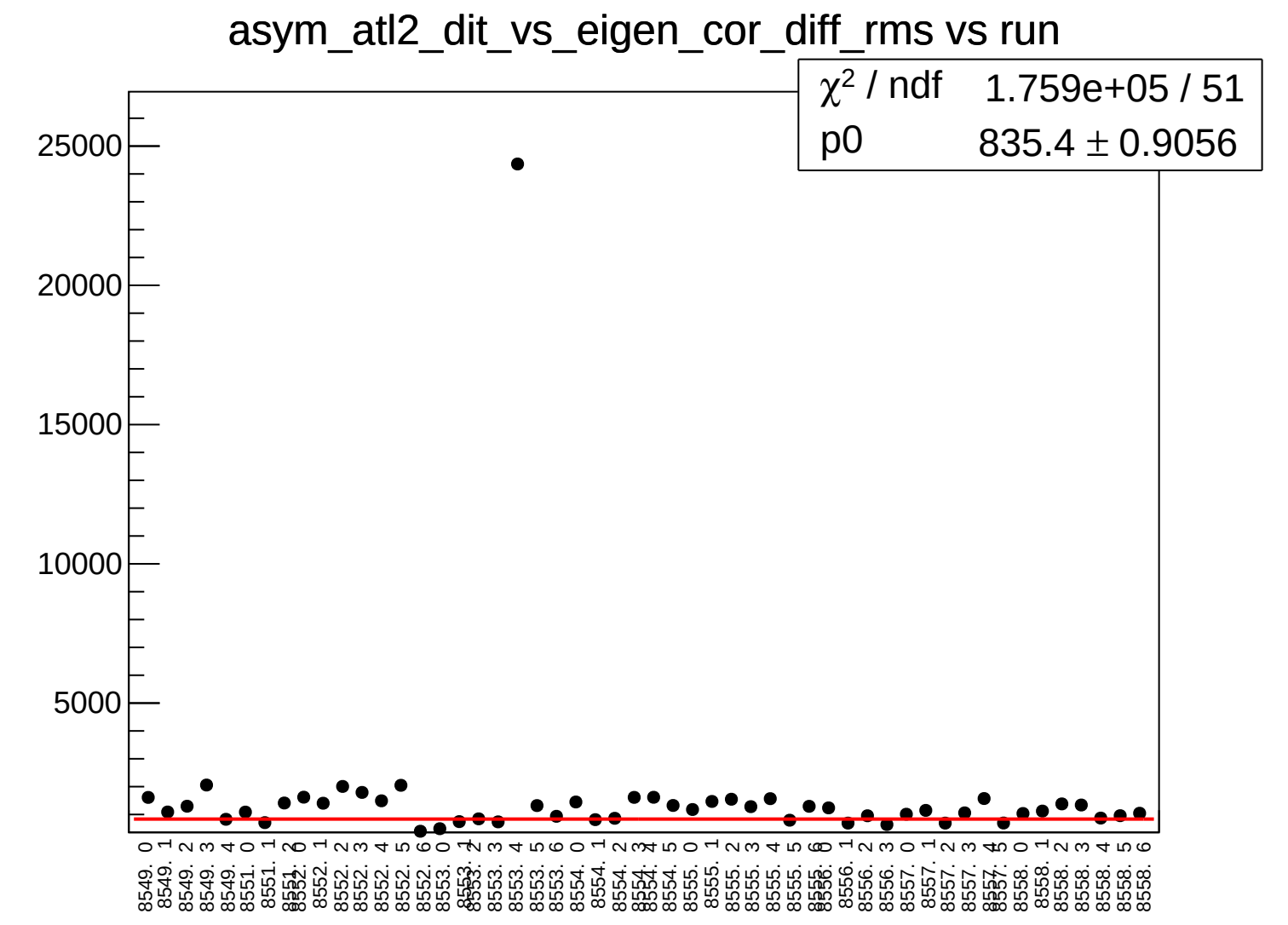
8558. 4
8558. 5
8558. 6


asym_atl2_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 60.56 / 51
p0 −2.943 ± 1.281
pull
Entries 52
Mean 456.8
Std Dev 0


pull1D
Entries 52
Mean 0.007194
Std Dev 1.079


asym_atl2_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.759e+05 / 51
p0 835.4 ± 0.9056
25000
20000
15000
10000
5000
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
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8553. 0
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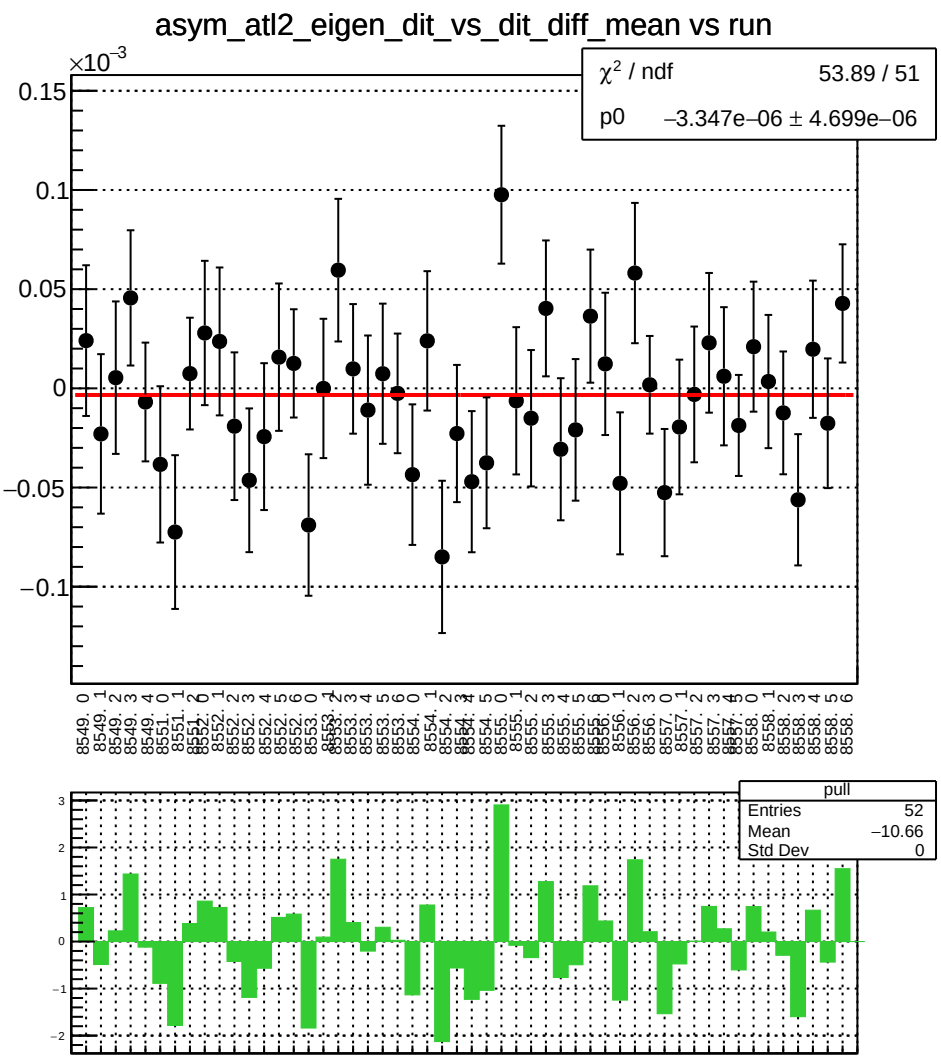
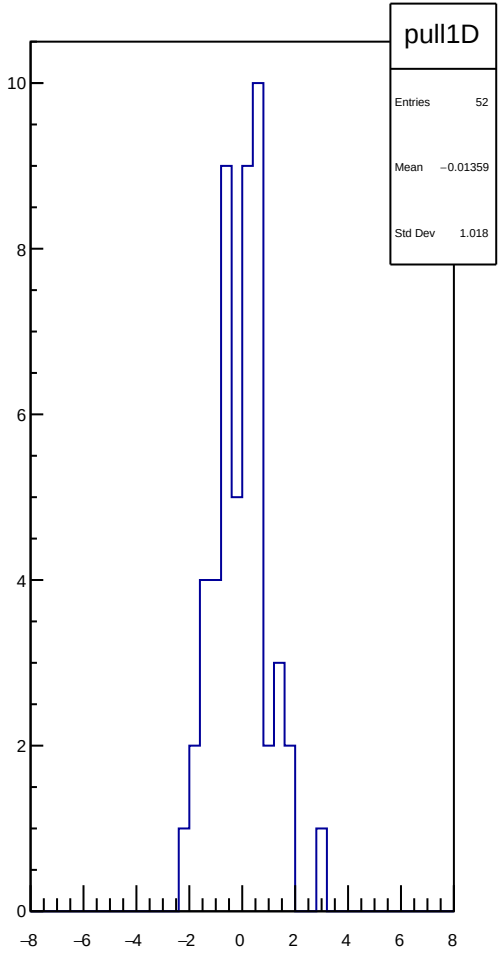
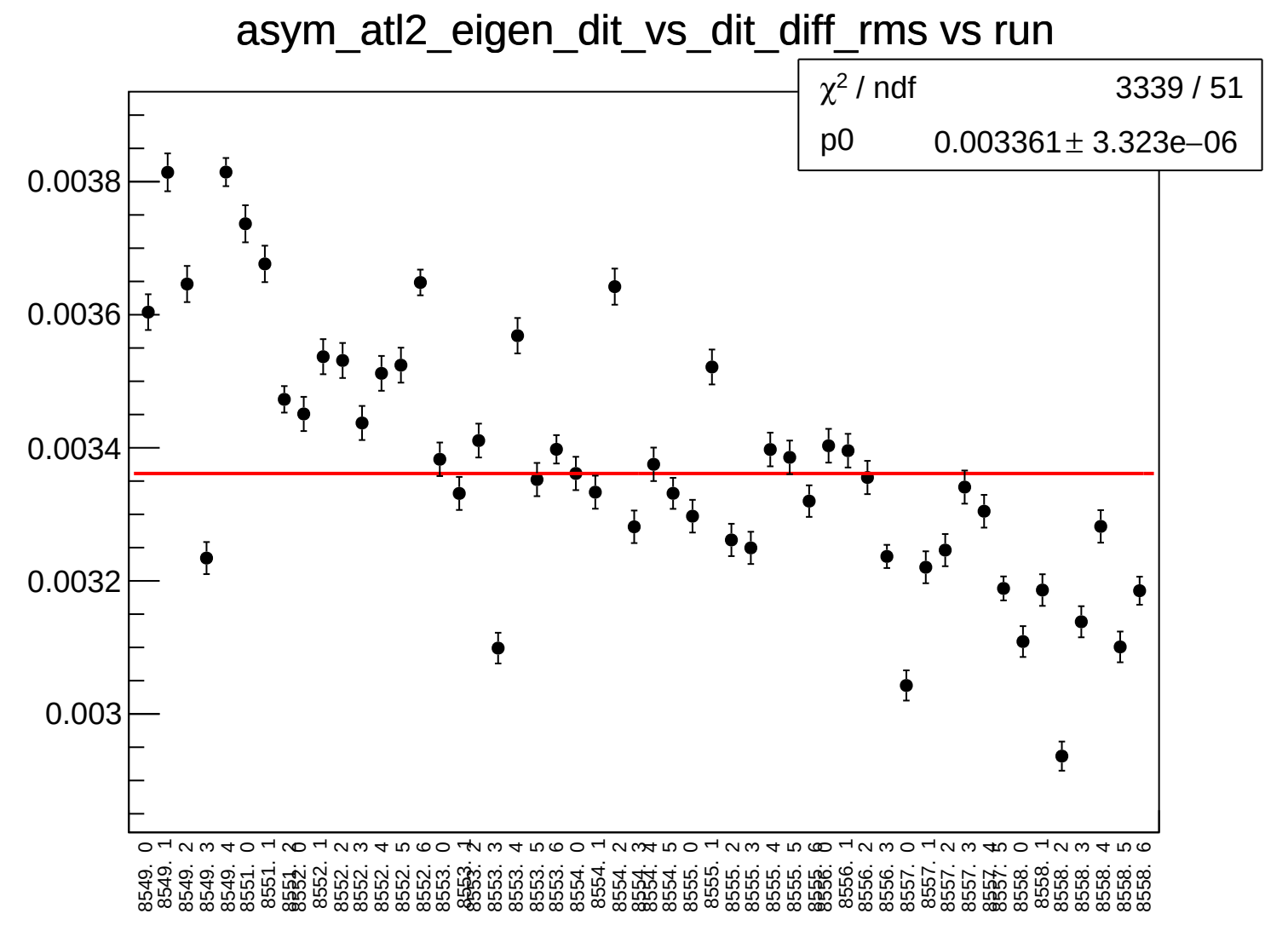
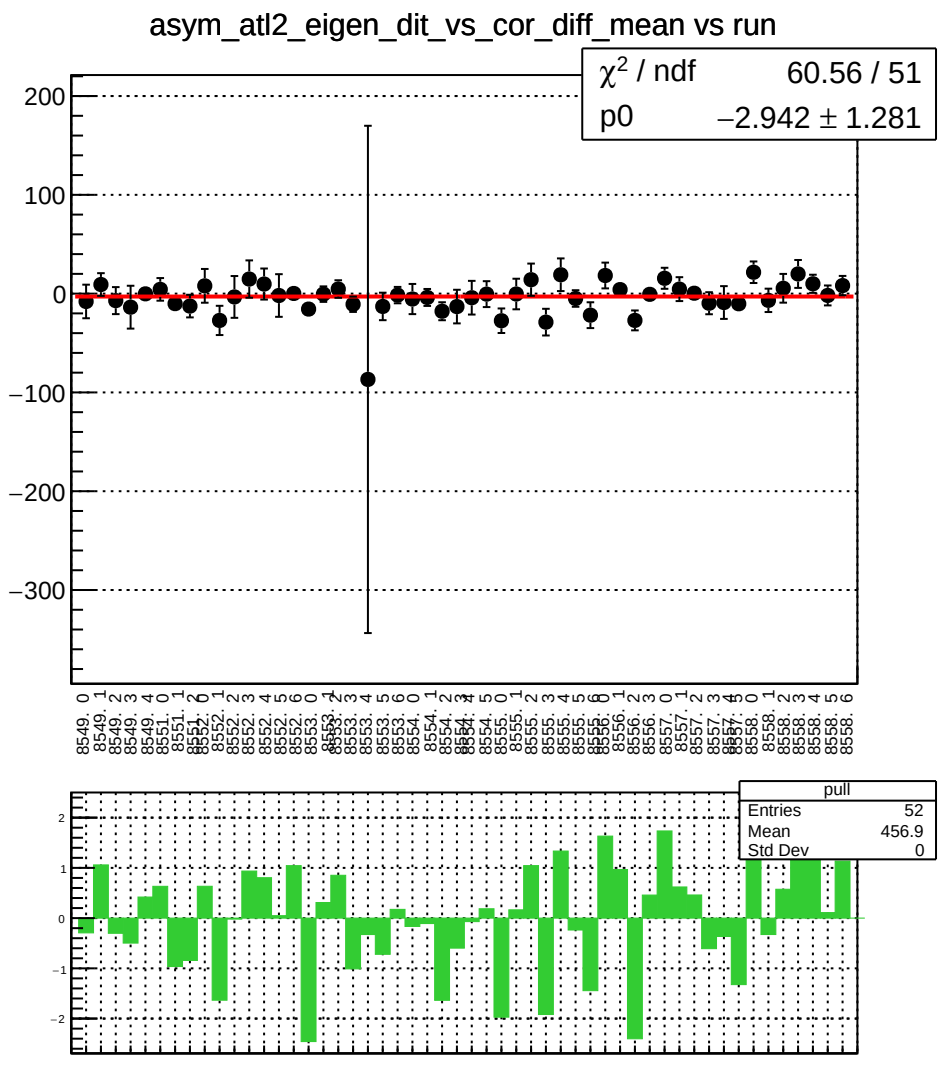
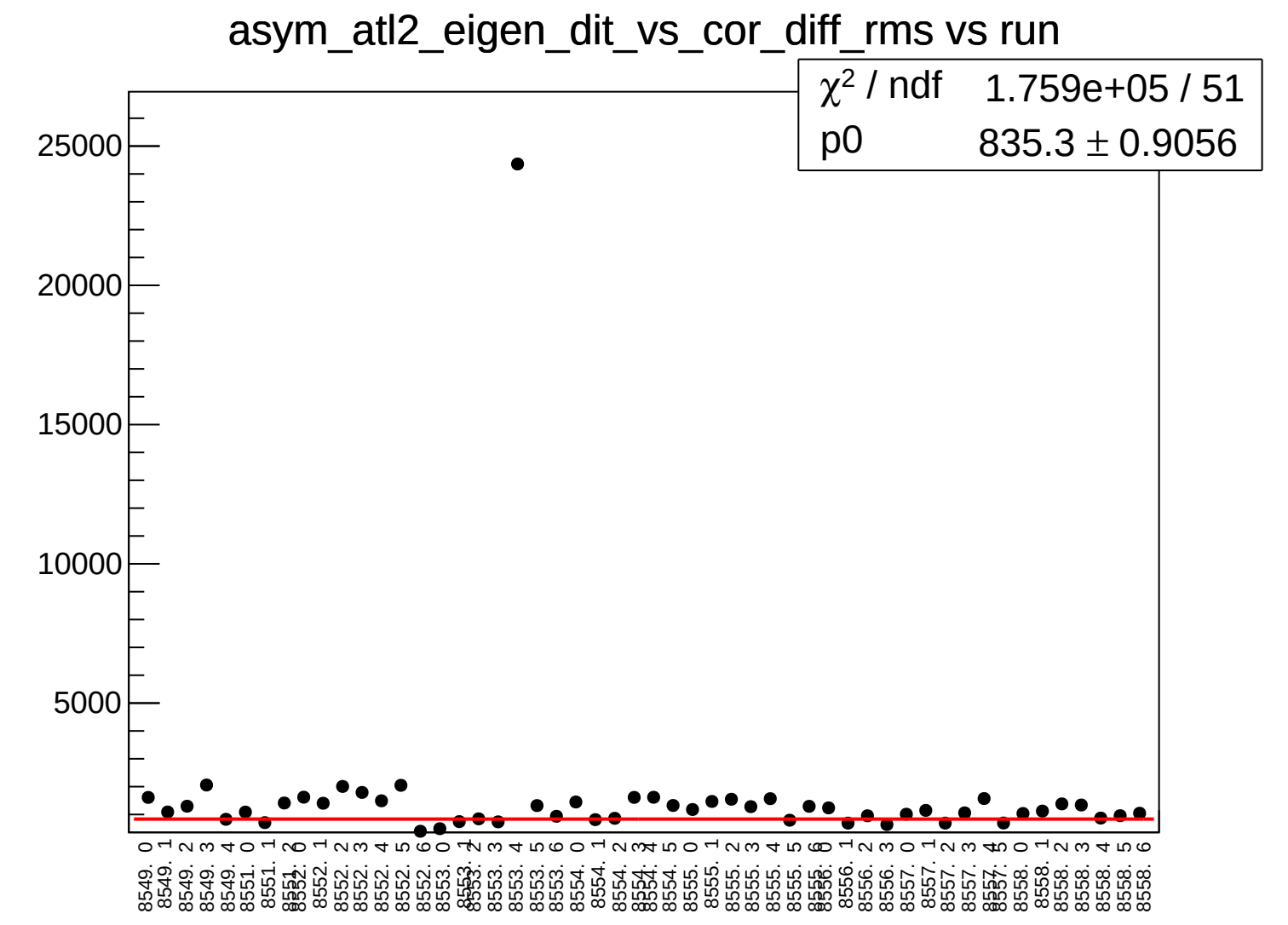
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

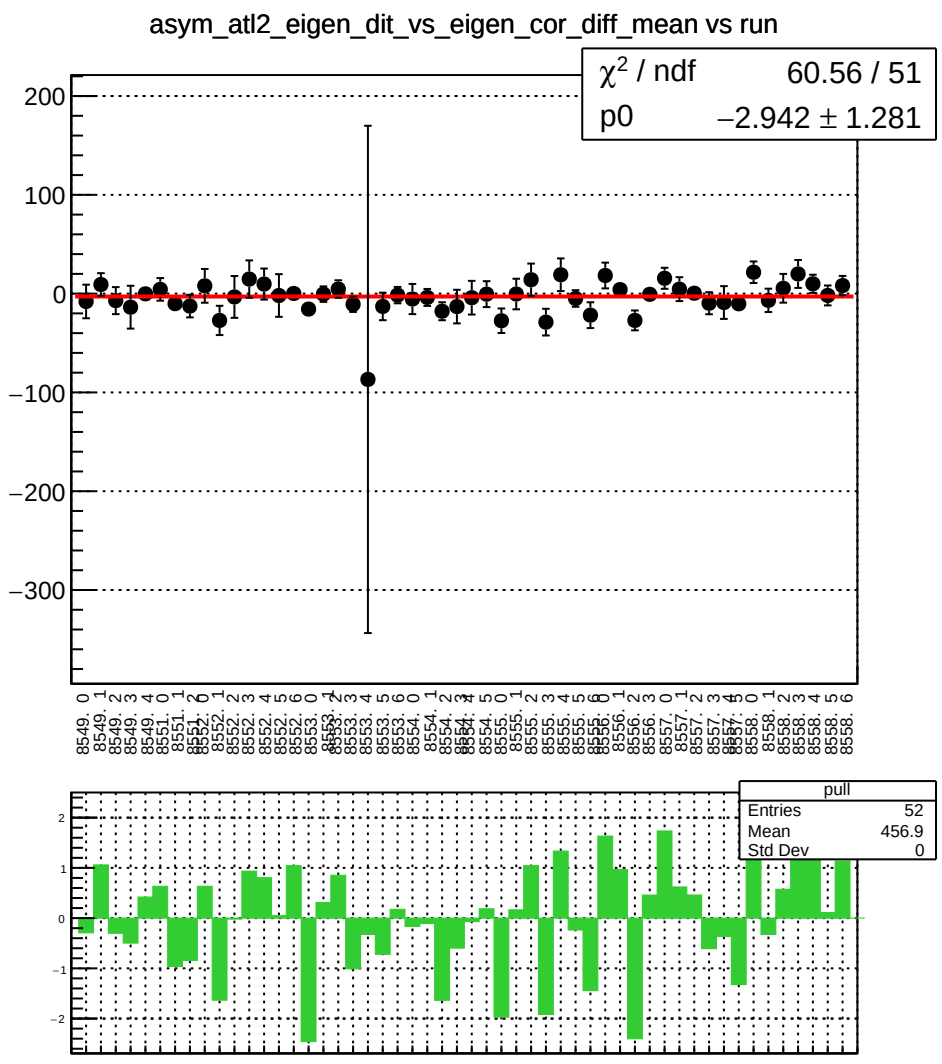

asym_atl2_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 53.89 / 51
p0 −3.347e−06 ± 4.699e−06
0.15
0.1
0.05
0
−0.05
−0.1
pull
Entries 52
Mean −10.66
Std Dev 0
3
2
1
0
−1
−2

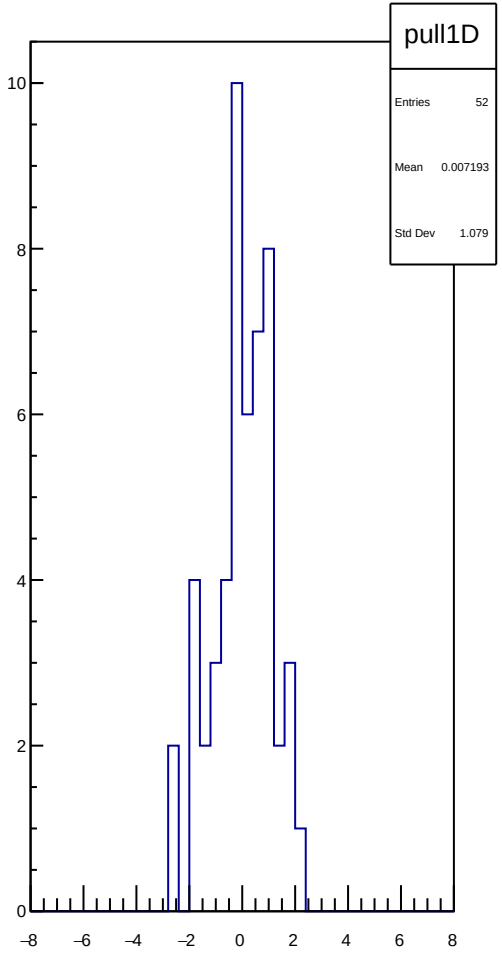

pull1D
Entries 52
Mean −0.01359
Std Dev 1.018
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

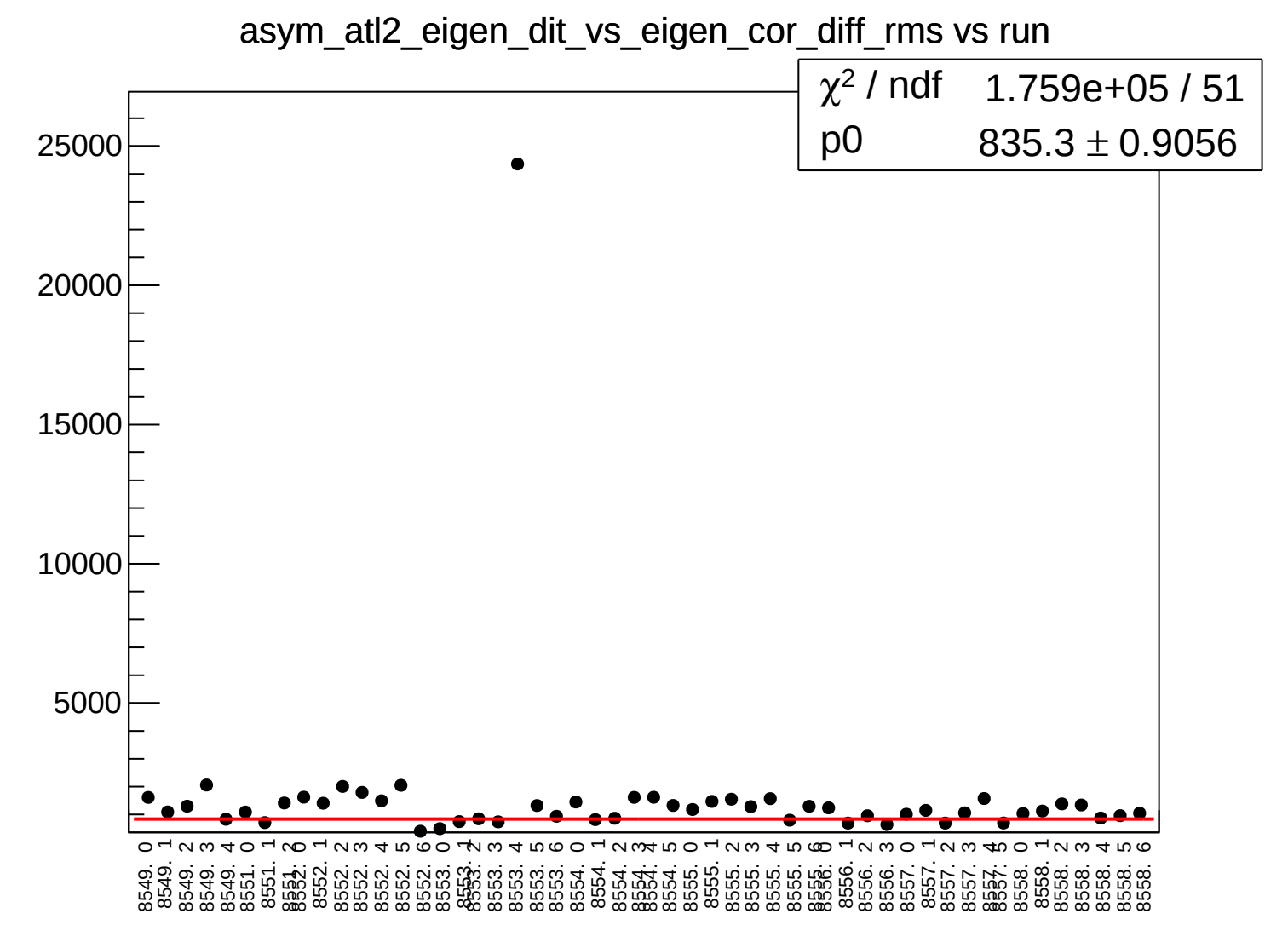

asym_atl2_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 3339 / 51
p0 0.003361 ± 3.323e−06
0.0038
0.0036
0.0034
0.0032
0.003

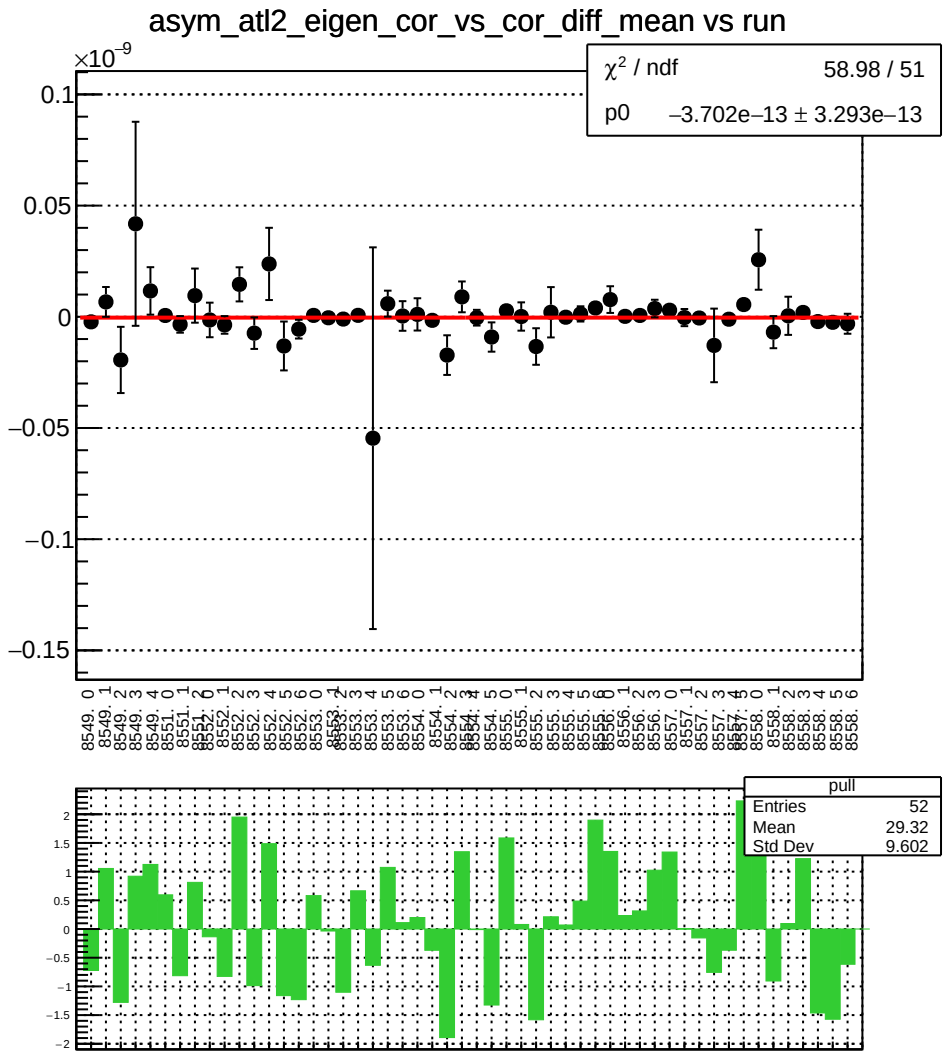

asym_atl2_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 60.56 / 51
p0 −2.942 ± 1.281
200
100
0
−100
−200
−300
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8551. 2
8551. 6
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8552. 0
8553. 0
8553. 1
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 3
8554. 4
8554. 5
8554. 6
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8555. 6
8556. 0
8556. 1
8556. 2
8556. 3
8556. 4
8557. 0
8557. 1
8557. 2
8557. 3
8557. 4
8557. 5
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6
pull
Entries 52
Mean 456.9
Std Dev 0
2
1
0
−1
−2
pull1D
Entries 52
Mean 0.007193
Std Dev 1.079
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

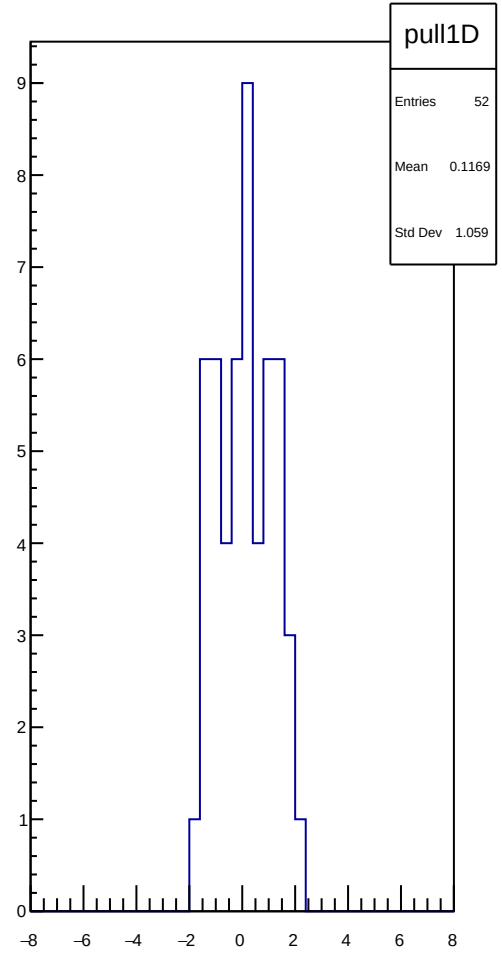

asym_atl2_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 1.759e+05 / 51
p0 835.3 ± 0.9056
25000
20000
15000
10000
5000
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 0
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

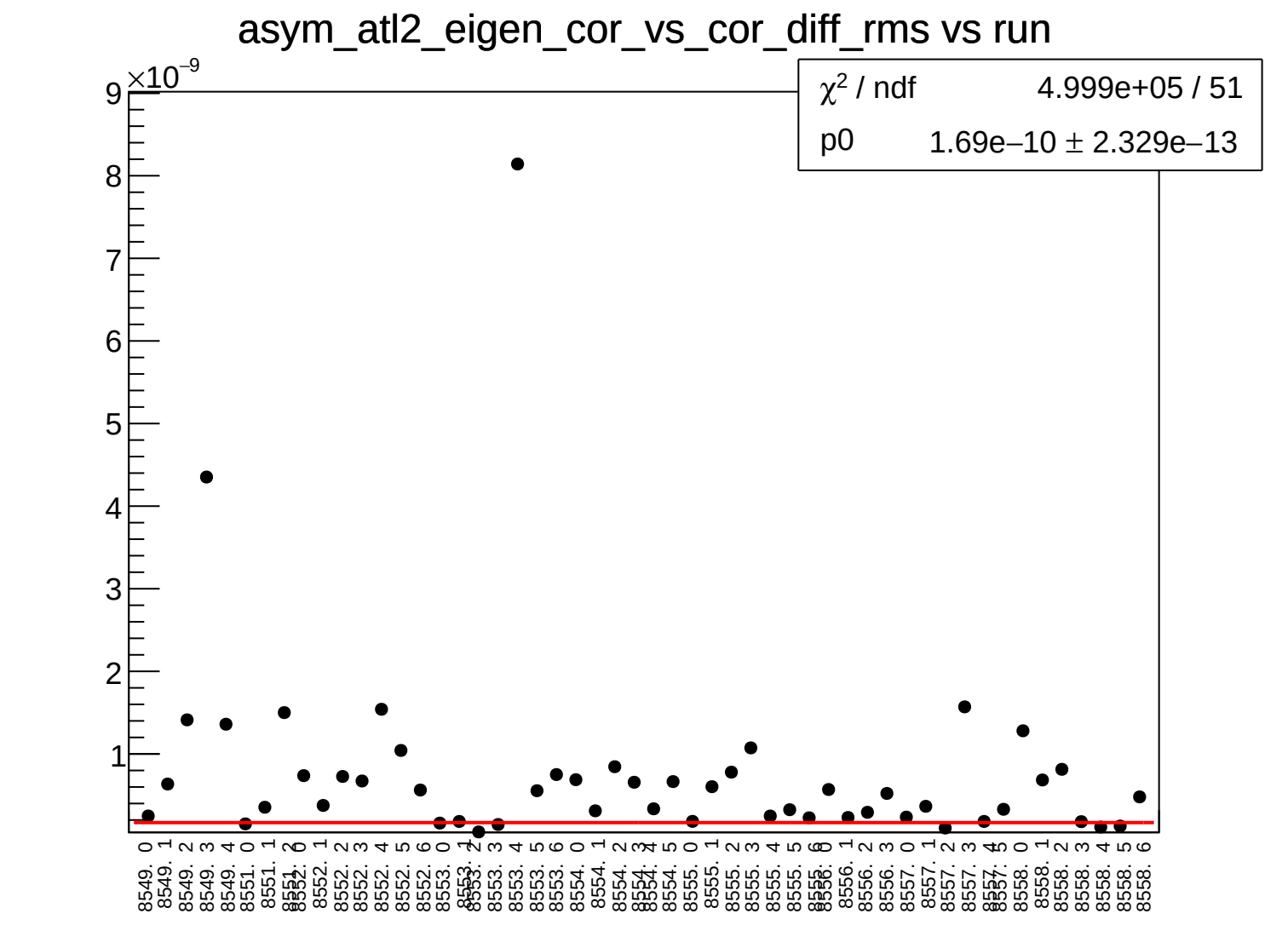

asym_atl2_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 60.56 / 51
p0 −2.942 ± 1.281
200
100
0
−100
−200
−300
pull
Entries 52
Mean 456.9
Std Dev 0
2
1
0
−1
−2

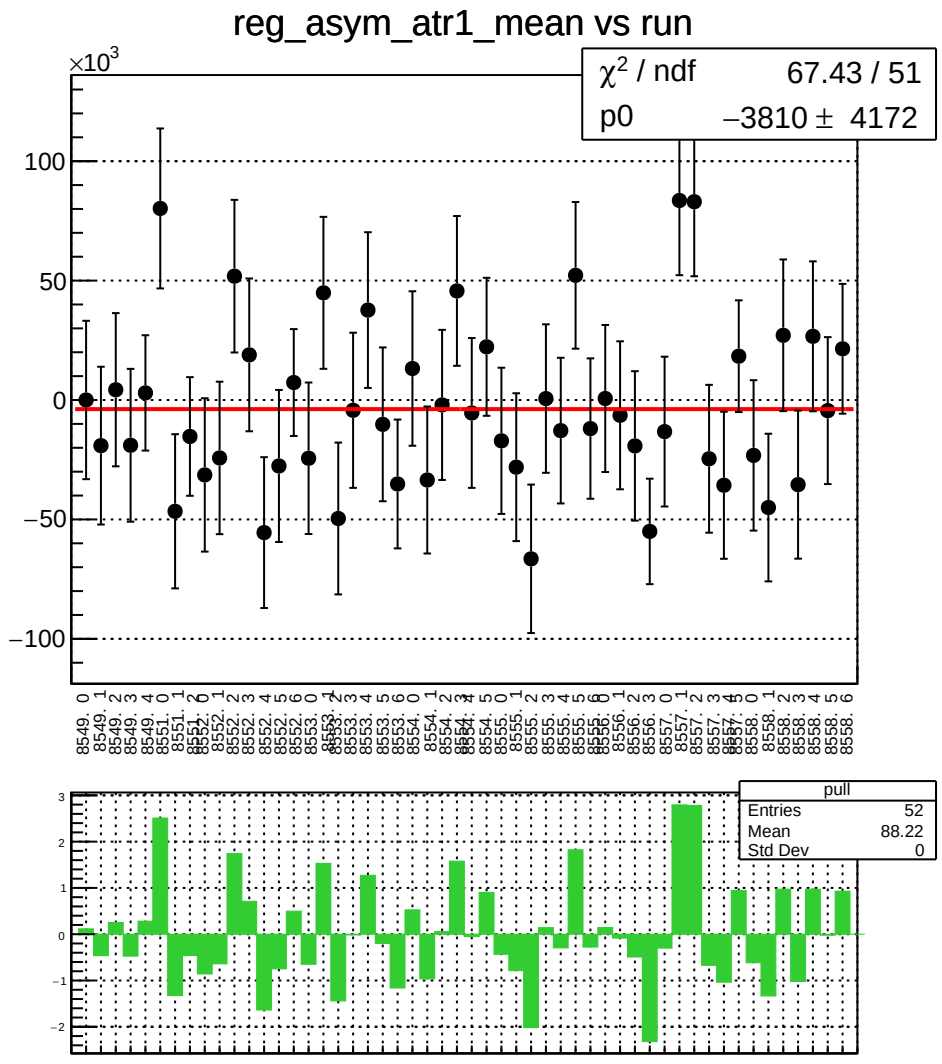

pull1D
Entries 52
Mean 0.007193
Std Dev 1.079
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

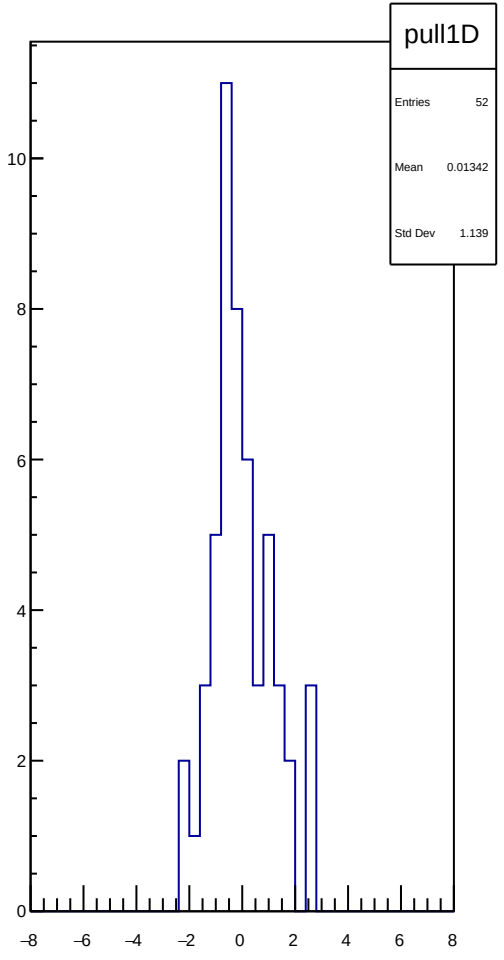

asym_atl2_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.759e+05 / 51
p0 835.3 ± 0.9056
25000
20000
15000
10000
5000
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

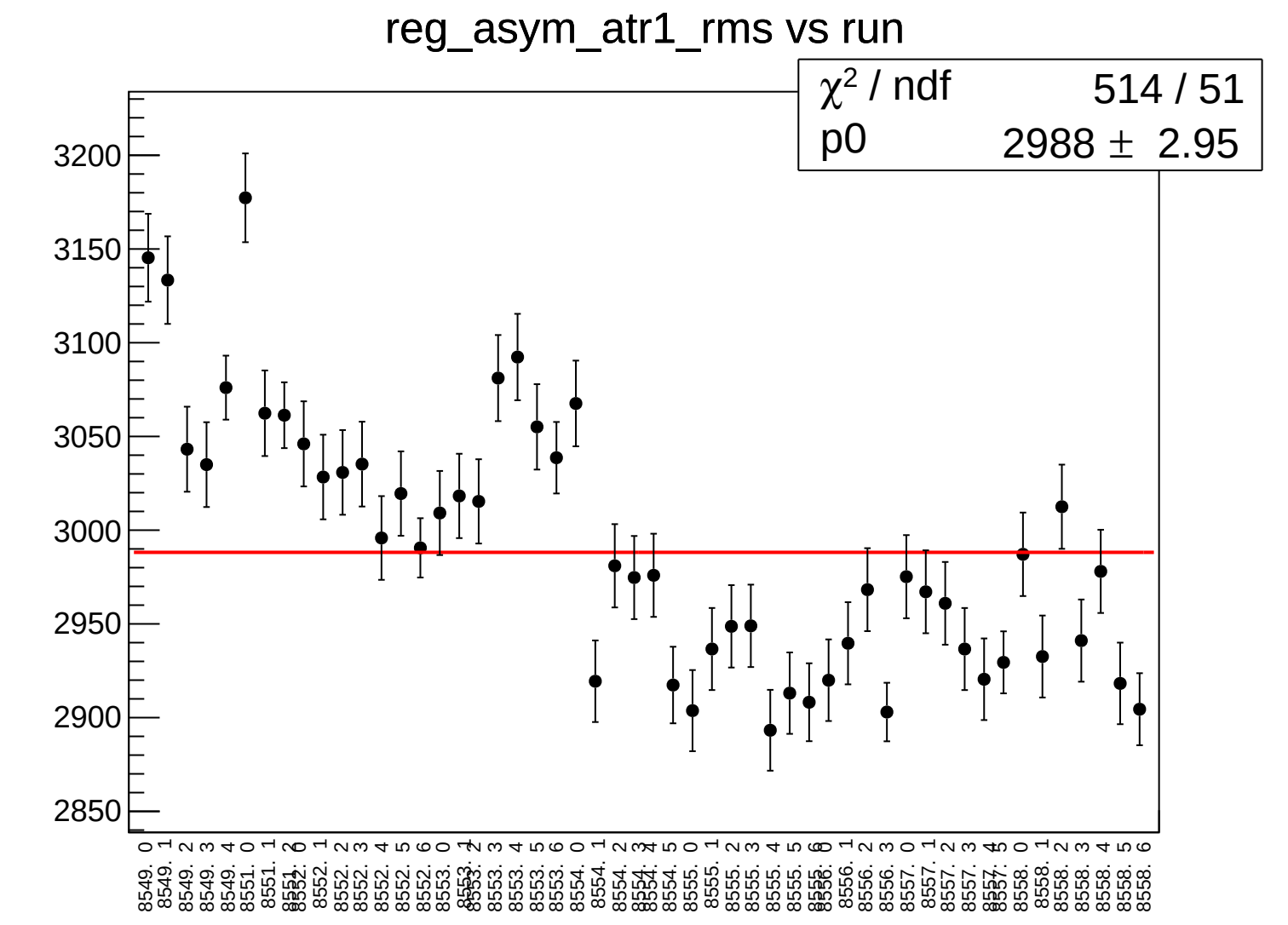

asym_atl2_eigen_cor_vs_cor_diff_mean vs run
×10⁻⁹
χ² / ndf 58.98 / 51
p0 −3.702e−13 ± 3.293e−13
pull
Entries 52
Mean 29.32
Std Dev 9.602


pull1D
Entries 52
Mean 0.1169
Std Dev 1.059


asym_atl2_eigen_cor_vs_cor_diff_rms vs run
χ^2 / ndf 4.999e+05 / 51
p0 1.69e−10 ± 2.329e−13
×10⁻⁹
9
8
7
6
5
4
3
2
1
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 5
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6


reg_asym_atr1_mean vs run
×10^3
χ² / ndf 67.43 / 51
p0 −3810 ± 4172
100
50
0
−50
−100
pull
Entries 52
Mean 88.22
Std Dev 0
3
2
1
0
−1
−2


pull1D
Entries 52
Mean 0.01342
Std Dev 1.139
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


reg_asym_atr1_rms vs run
χ² / ndf 514 / 51
p0 2988 ± 2.95
3200
3150
3100
3050
3000
2950
2900
2850
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
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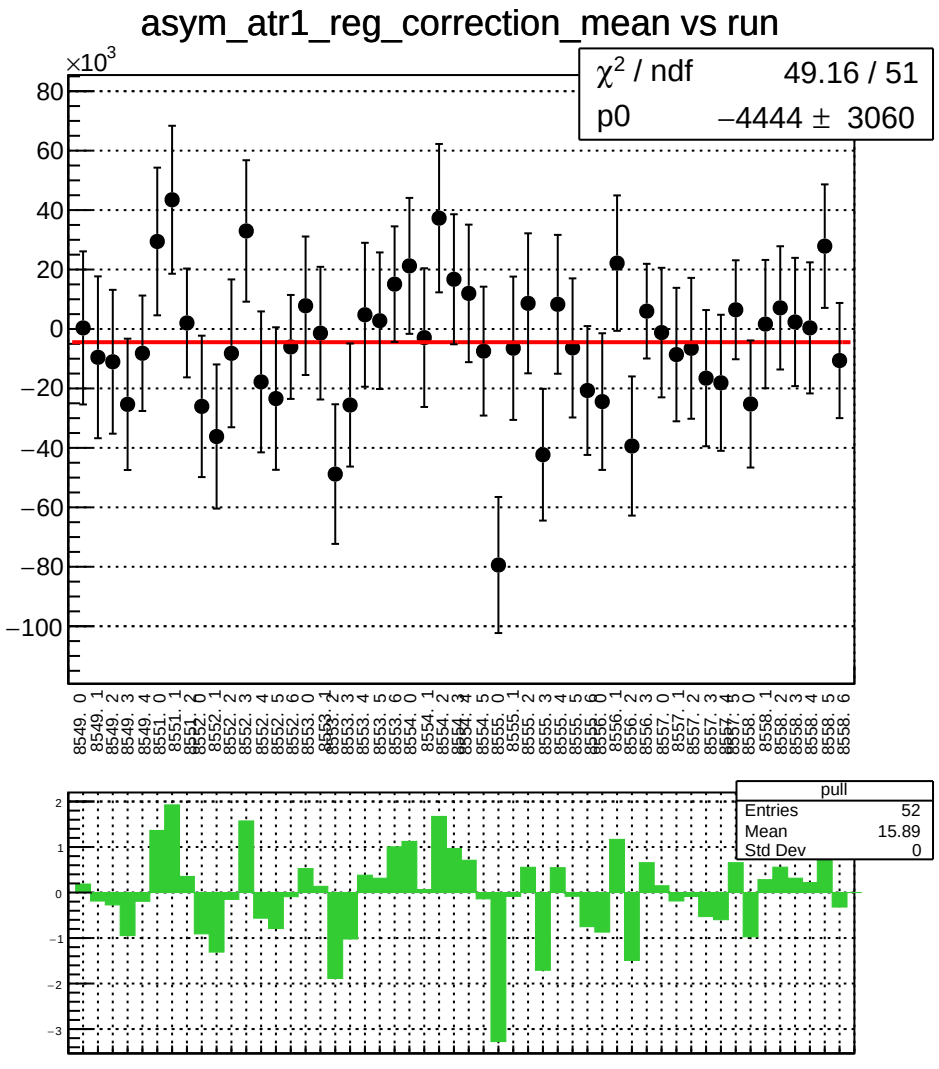
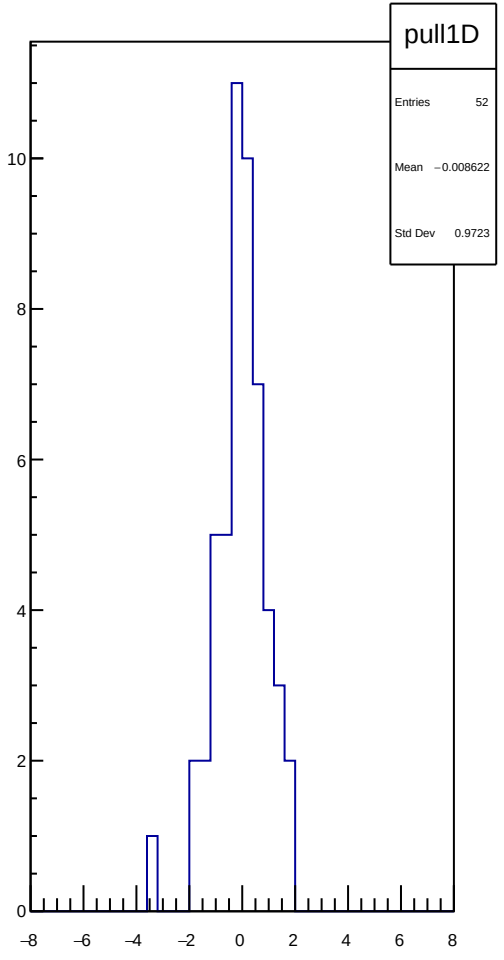
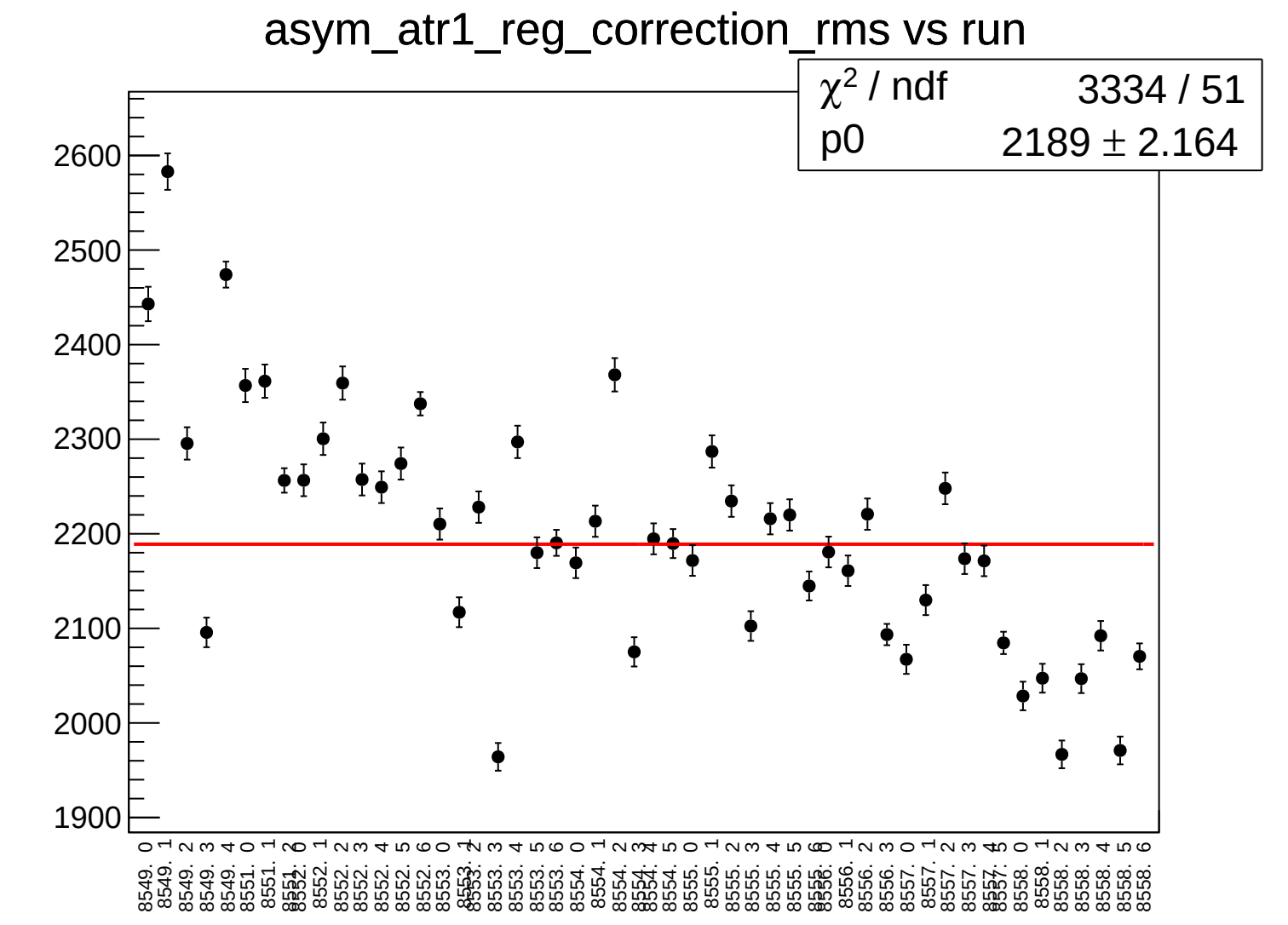
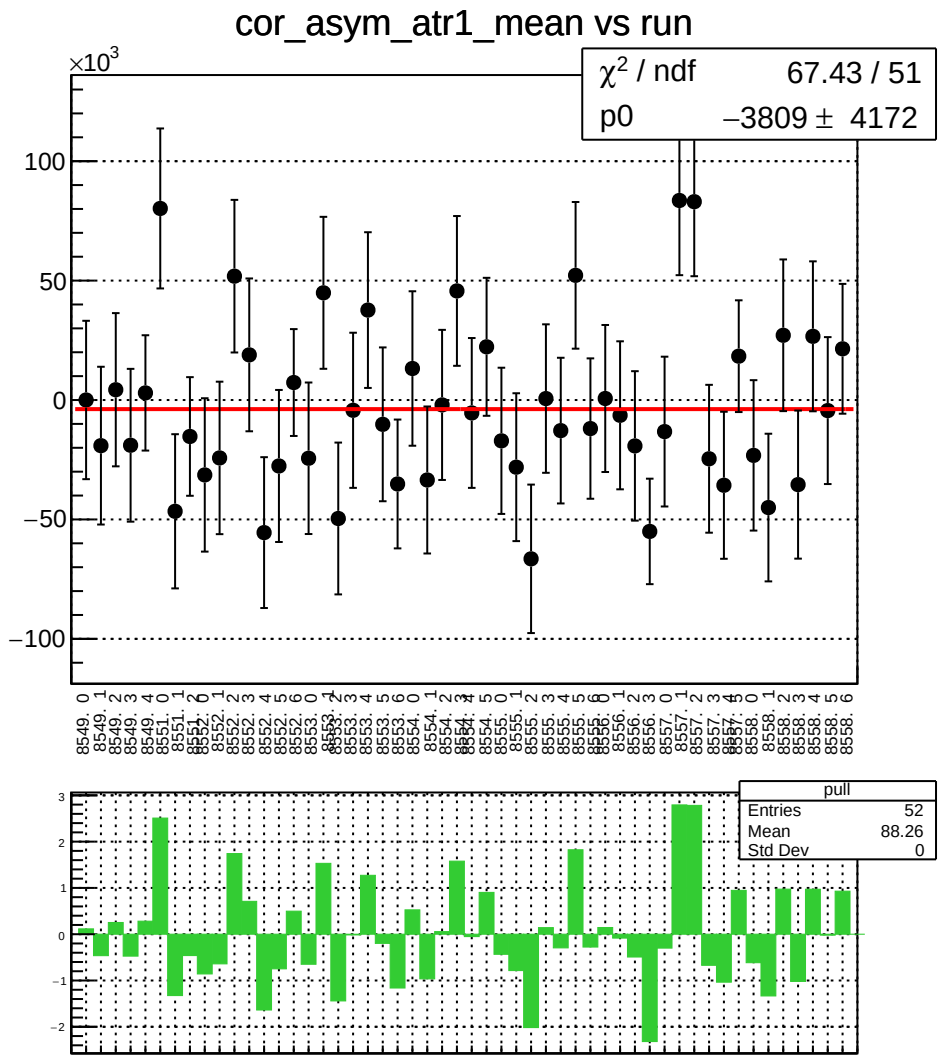
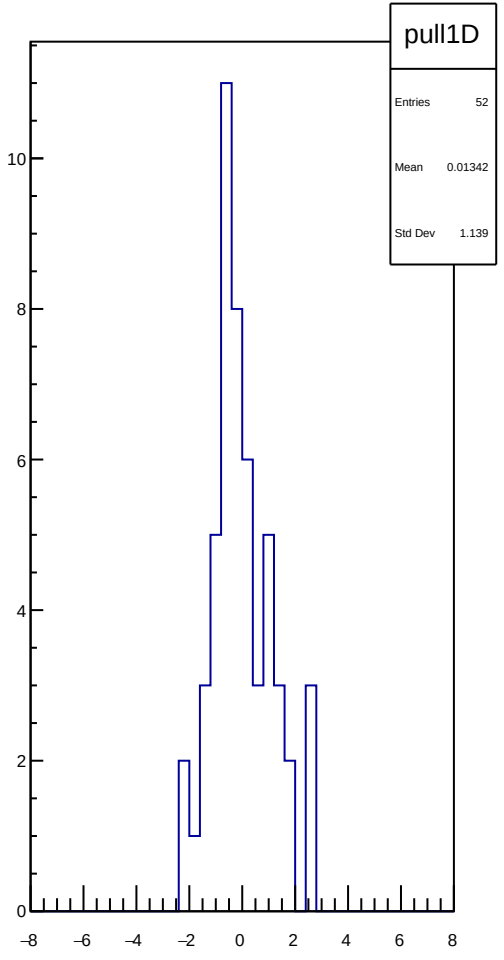
8558. 5
8558. 6

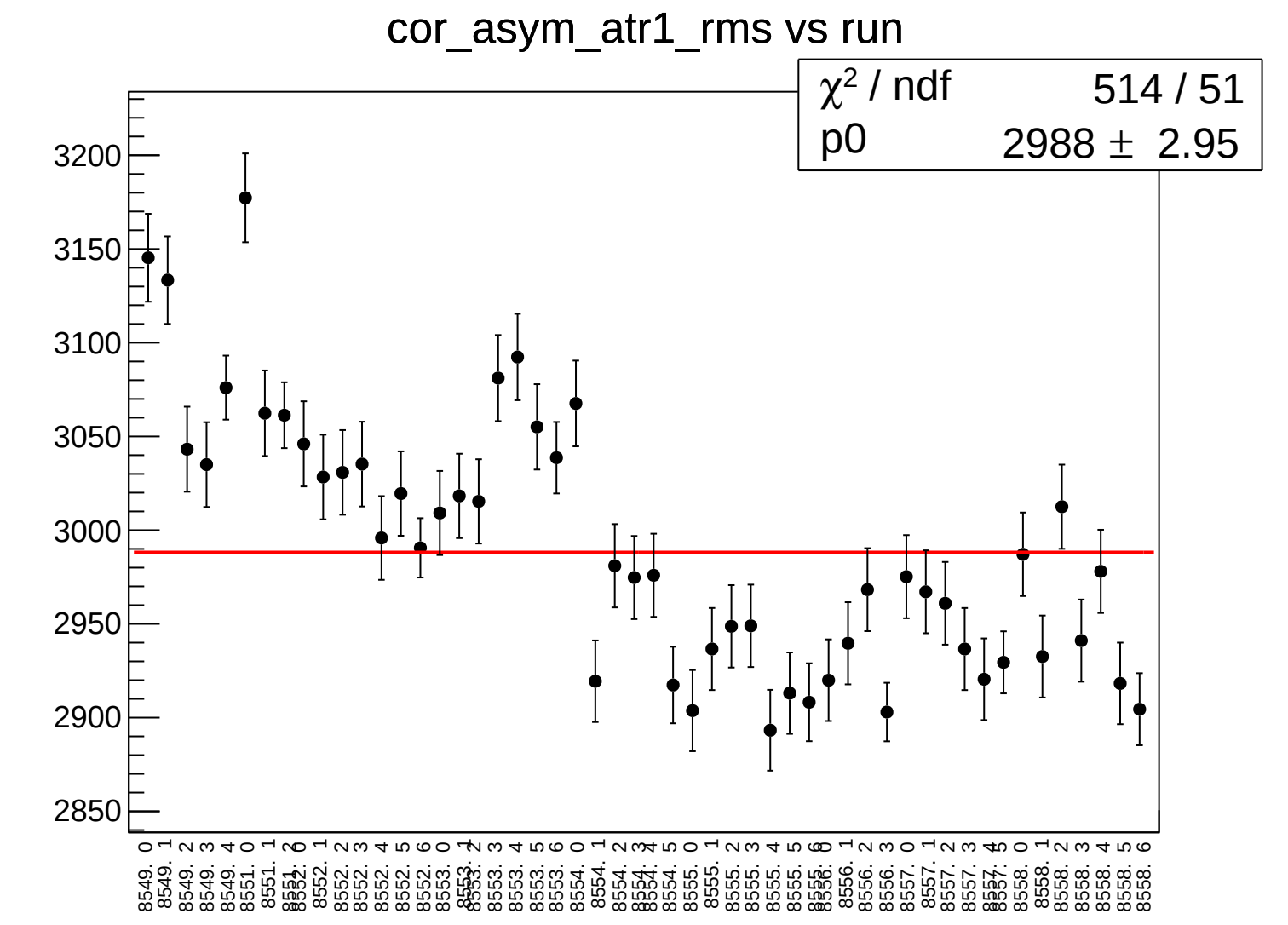

asym_atr1_reg_correction_mean vs run
×10^3
χ² / ndf 49.16 / 51
p0 −4444 ± 3060
pull
Entries 52
Mean 15.89
Std Dev 0


pull1D
Entries 52
Mean −0.008622
Std Dev 0.9723


asym_atr1_reg_correction_rms vs run
χ² / ndf 3334 / 51
p0 2189 ± 2.164
2600
2500
2400
2300
2200
2100
2000
1900
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6


cor_asym_atr1_mean vs run
×10^3
χ² / ndf 67.43 / 51
p0 −3809 ± 4172
100
50
0
−50
−100
pull
Entries 52
Mean 88.26
Std Dev 0
3
2
1
0
−1
−2


pull1D
Entries 52
Mean 0.01342
Std Dev 1.139
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


cor_asym_atr1_rms vs run
χ² / ndf 514 / 51
p0 2988 ± 2.95
3200
3150
3100
3050
3000
2950
2900
2850
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
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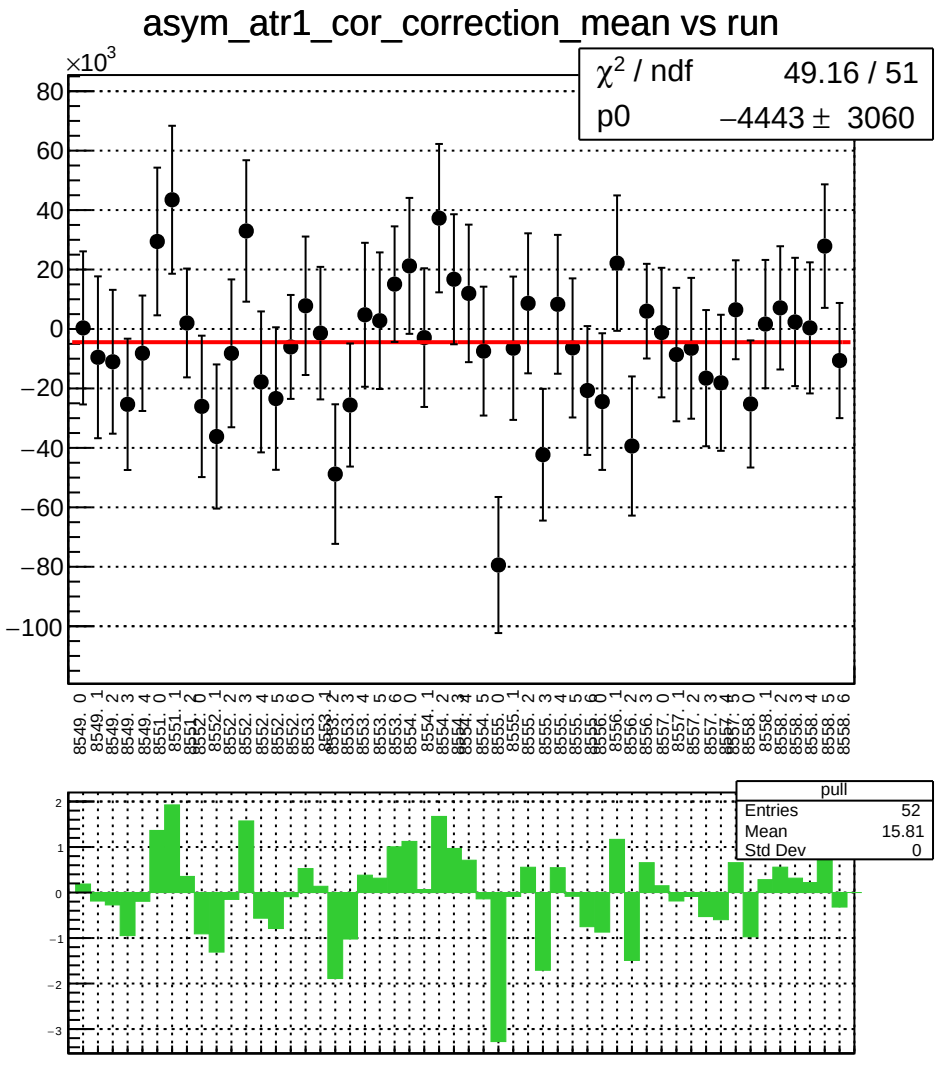
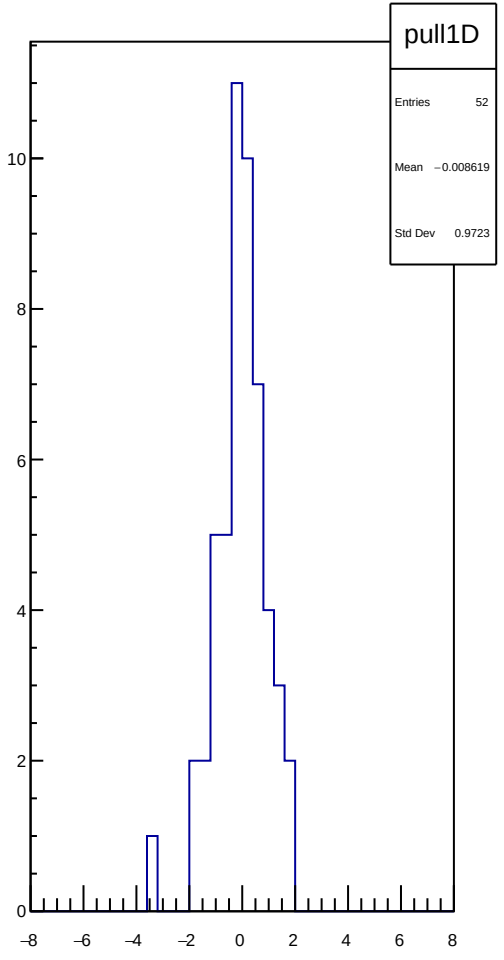
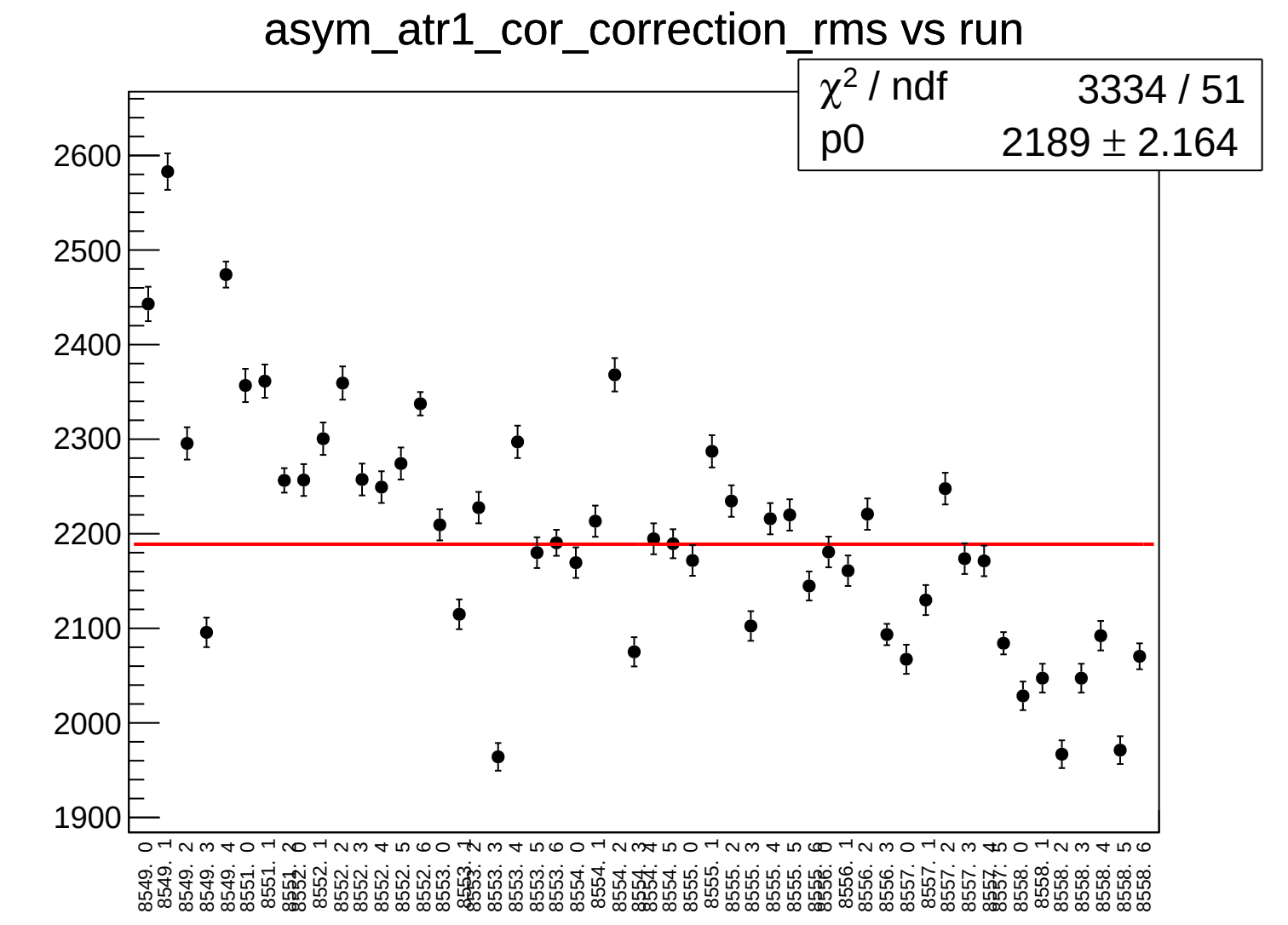
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6


asym_atr1_cor_correction_mean vs run
×10^3
χ² / ndf 49.16 / 51
p0 −4443 ± 3060
pull
Entries 52
Mean 15.81
Std Dev 0


pull1D
Entries 52
Mean −0.008619
Std Dev 0.9723


asym_atr1_cor_correction_rms vs run
χ² / ndf 3334 / 51
p0 2189 ± 2.164
2600
2500
2400
2300
2200
2100
2000
1900
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
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8555. 1
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8555. 3
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8556. 2
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8557. 0
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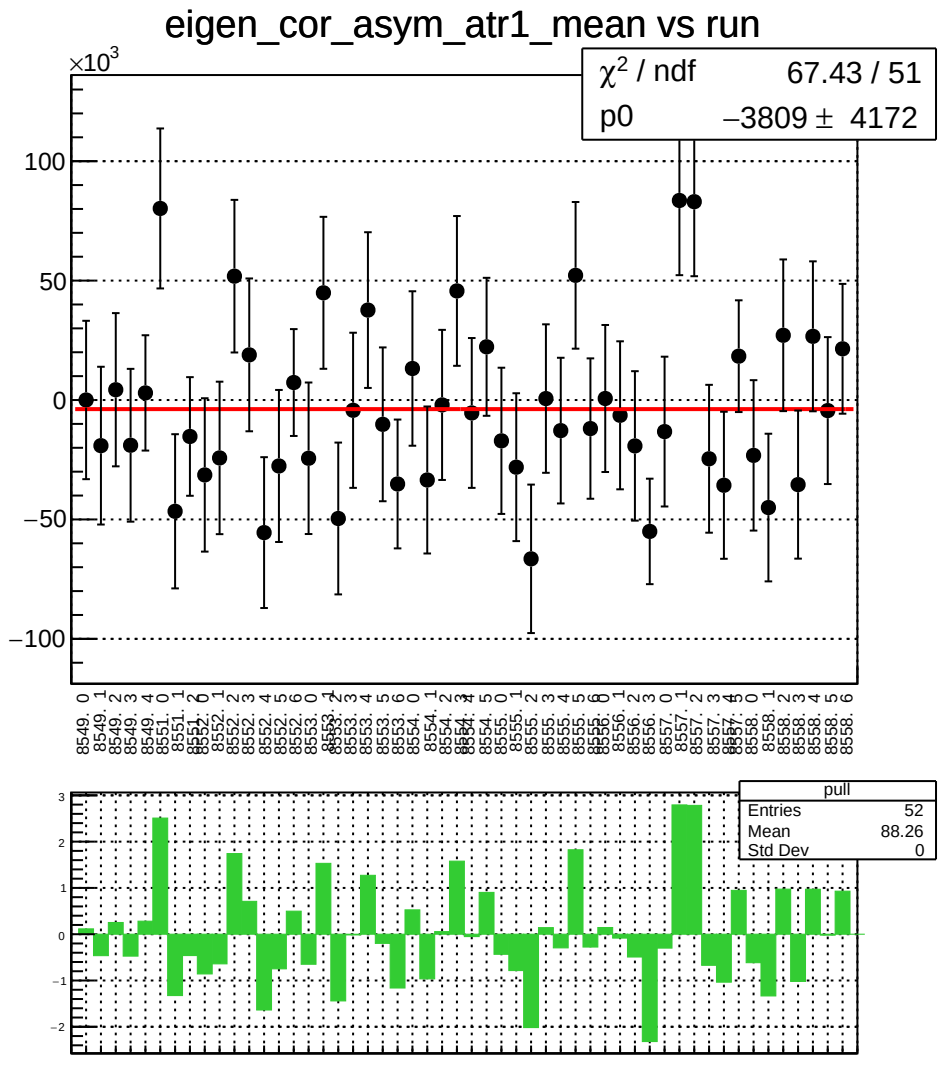
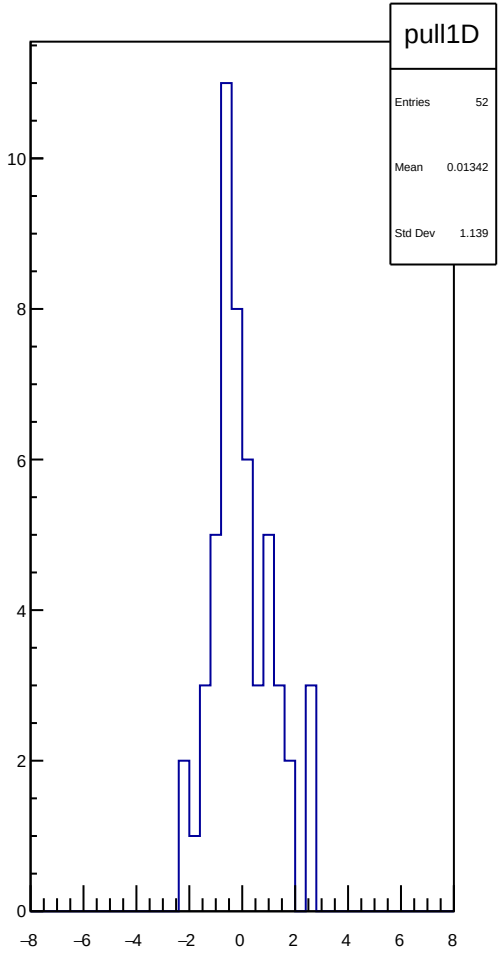
8558. 5
8558. 6


eigen_cor_asym_atr1_mean vs run
×10^3
χ² / ndf 67.43 / 51
p0 −3809 ± 4172
100
50
0
−50
−100
pull
Entries 52
Mean 88.26
Std Dev 0
3
2
1
0
−1
−2


pull1D
Entries 52
Mean 0.01342
Std Dev 1.139
10
8
6
4
2
0
−8
−6
−4
−2
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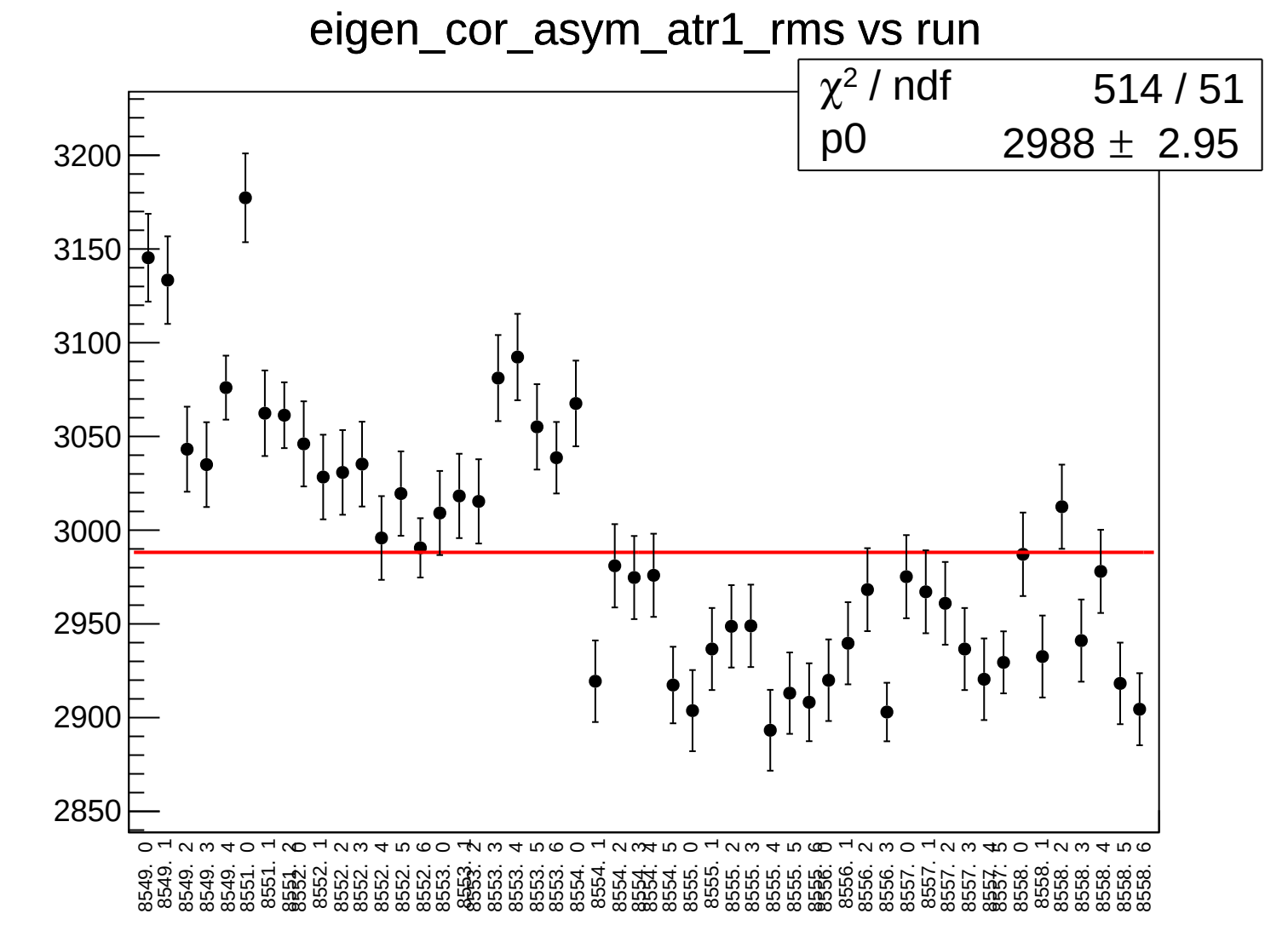
2
4
6
8


eigen_cor_asym_atr1_rms vs run
χ² / ndf 514 / 51
p0 2988 ± 2.95
3200
3150
3100
3050
3000
2950
2900
2850
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
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8553. 6
8554. 0
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8555. 2
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8556. 1
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8557. 0
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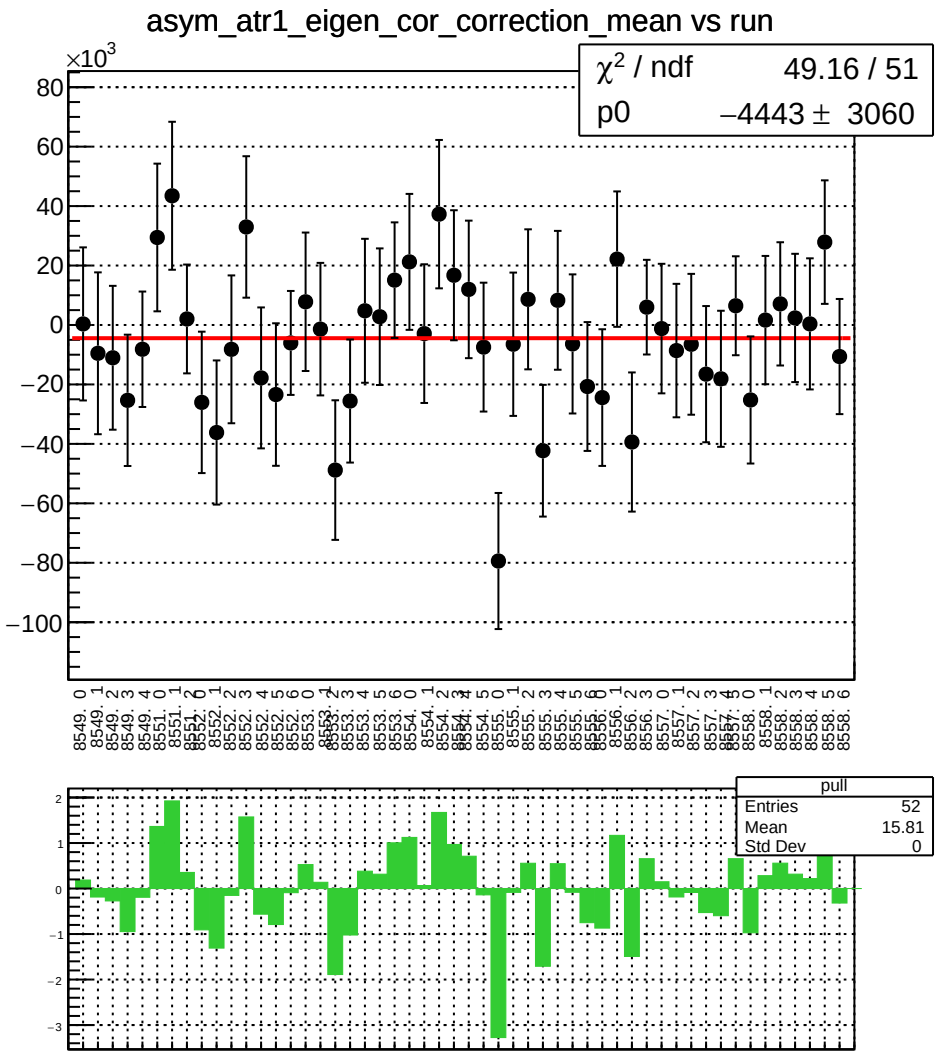
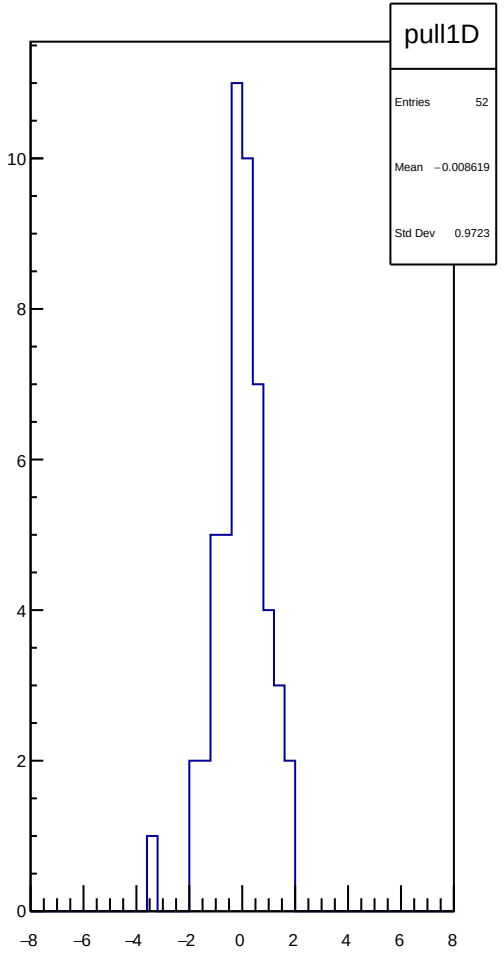
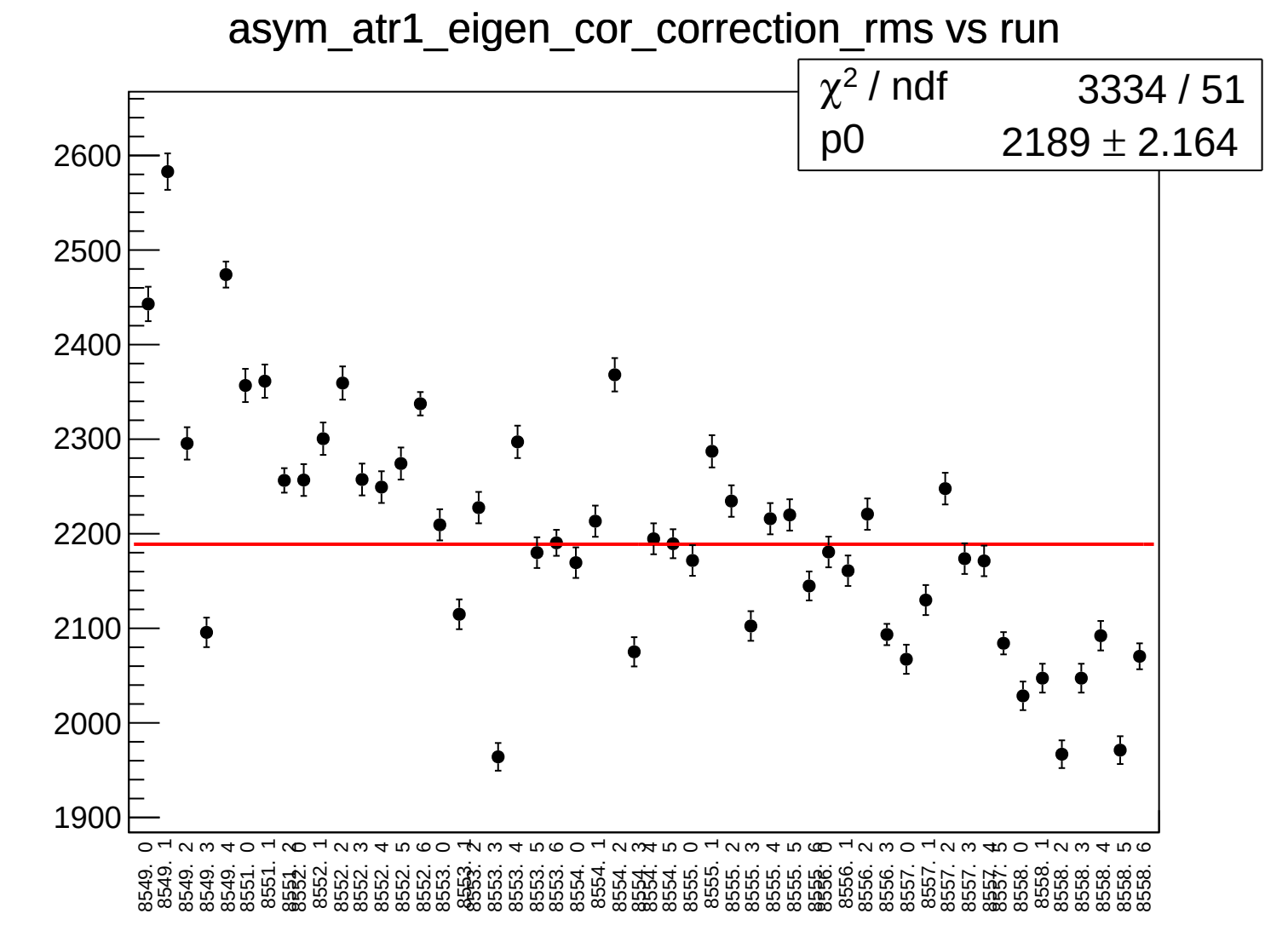
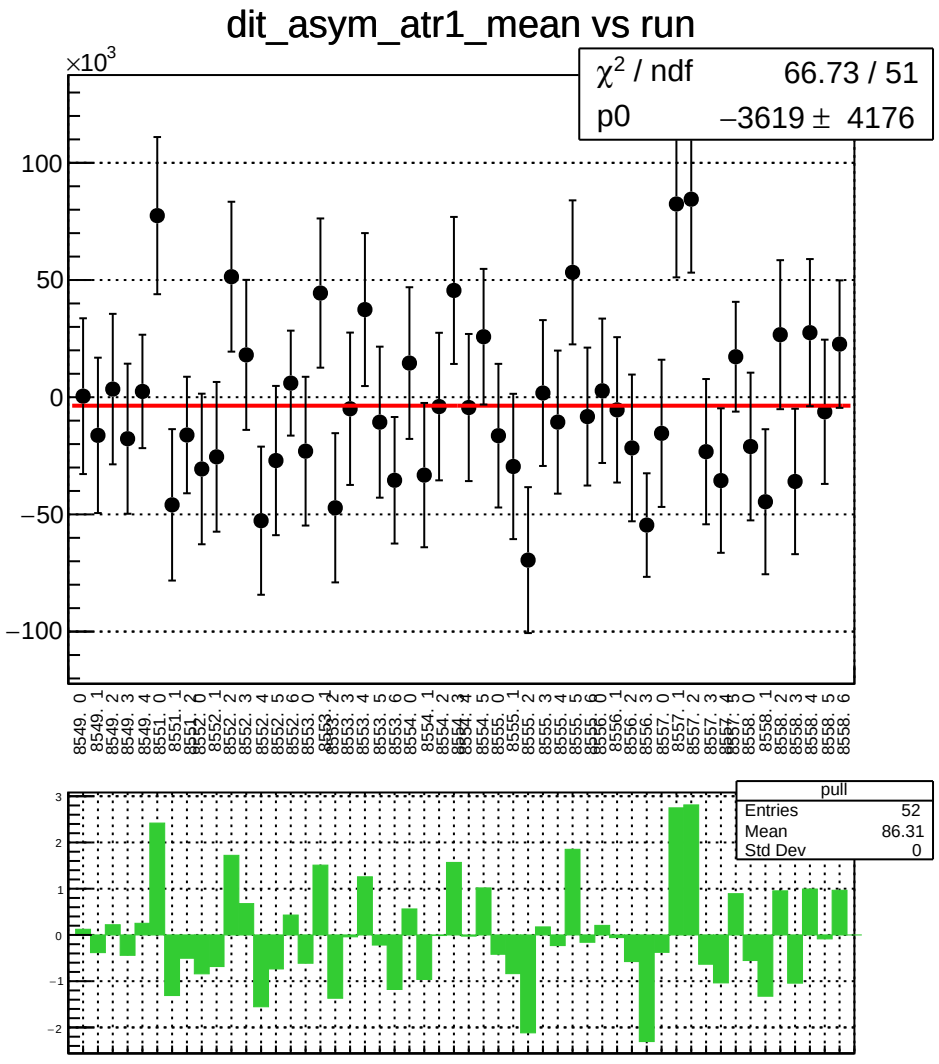
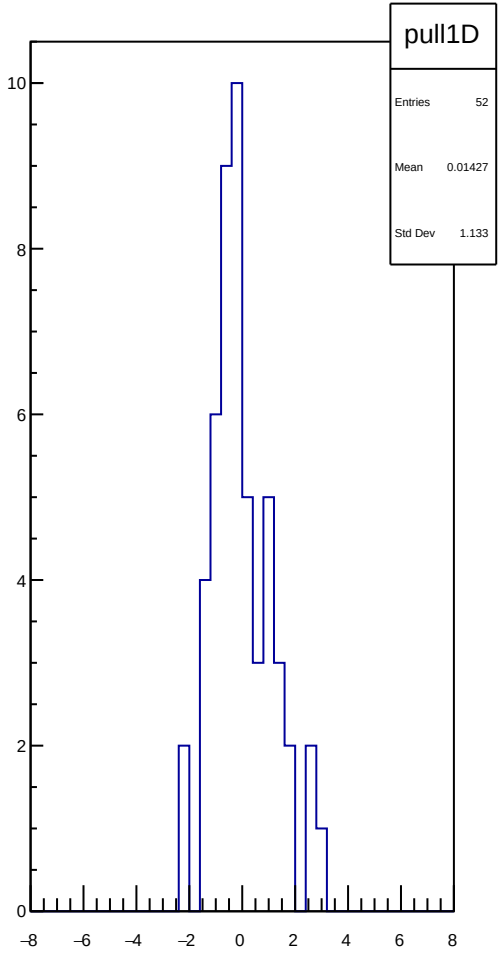
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

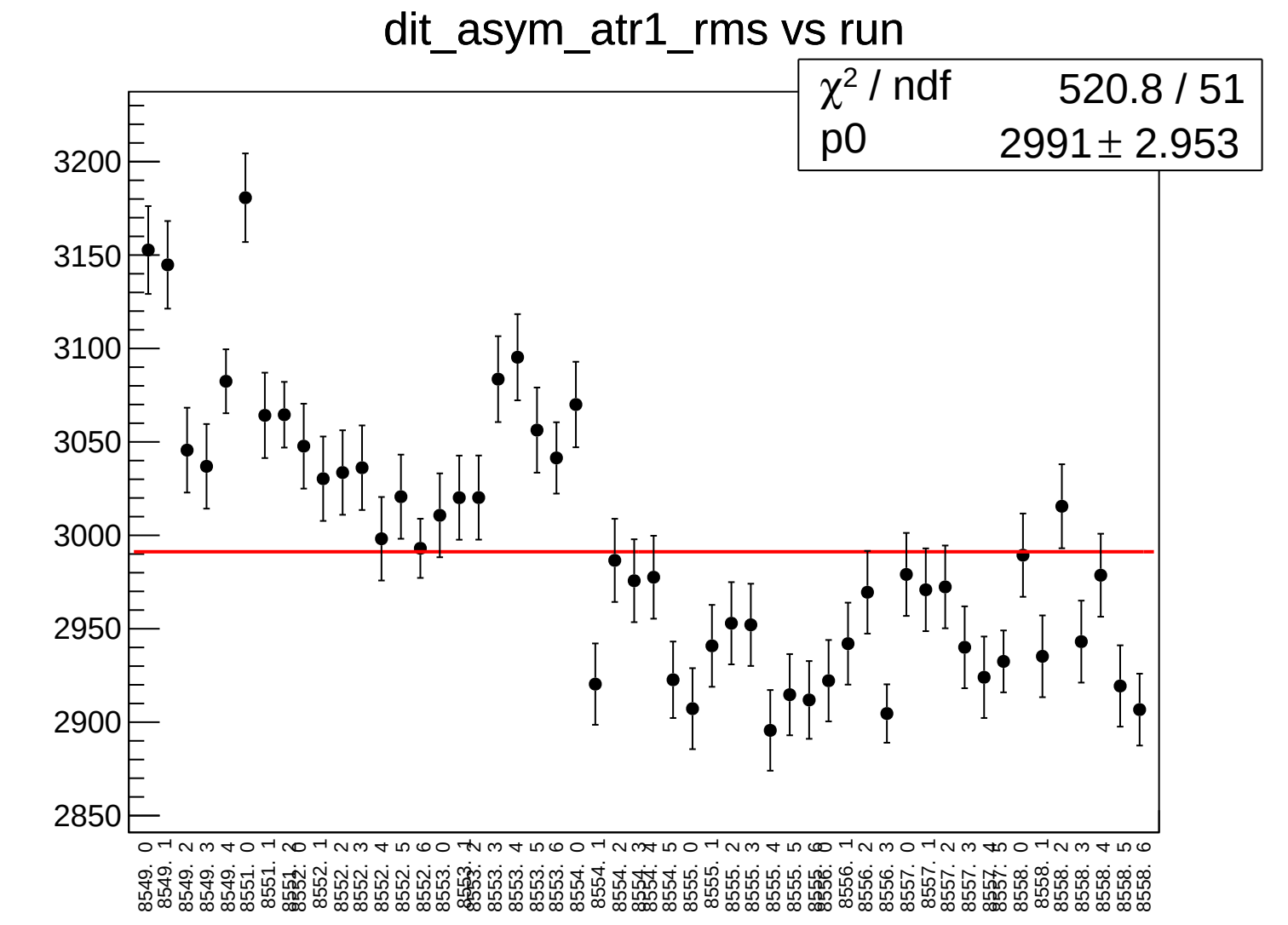

asym_atr1_eigen_cor_correction_mean vs run
×10^3
χ² / ndf 49.16 / 51
p0 −4443 ± 3060
pull
Entries 52
Mean 15.81
Std Dev 0


pull1D
Entries 52
Mean −0.008619
Std Dev 0.9723


asym_atr1_eigen_cor_correction_rms vs run
χ² / ndf 3334 / 51
p0 2189 ± 2.164
2600
2500
2400
2300
2200
2100
2000
1900
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6


dit_asym_atr1_mean vs run
×10^3
χ² / ndf 66.73 / 51
p0 −3619 ± 4176
100
50
0
−50
−100
pull
Entries 52
Mean 86.31
Std Dev 0
3
2
1
0
−1
−2


pull1D
Entries 52
Mean 0.01427
Std Dev 1.133
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


dit_asym_atr1_rms vs run
χ² / ndf 520.8 / 51
p0 2991 ± 2.953
3200
3150
3100
3050
3000
2950
2900
2850
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
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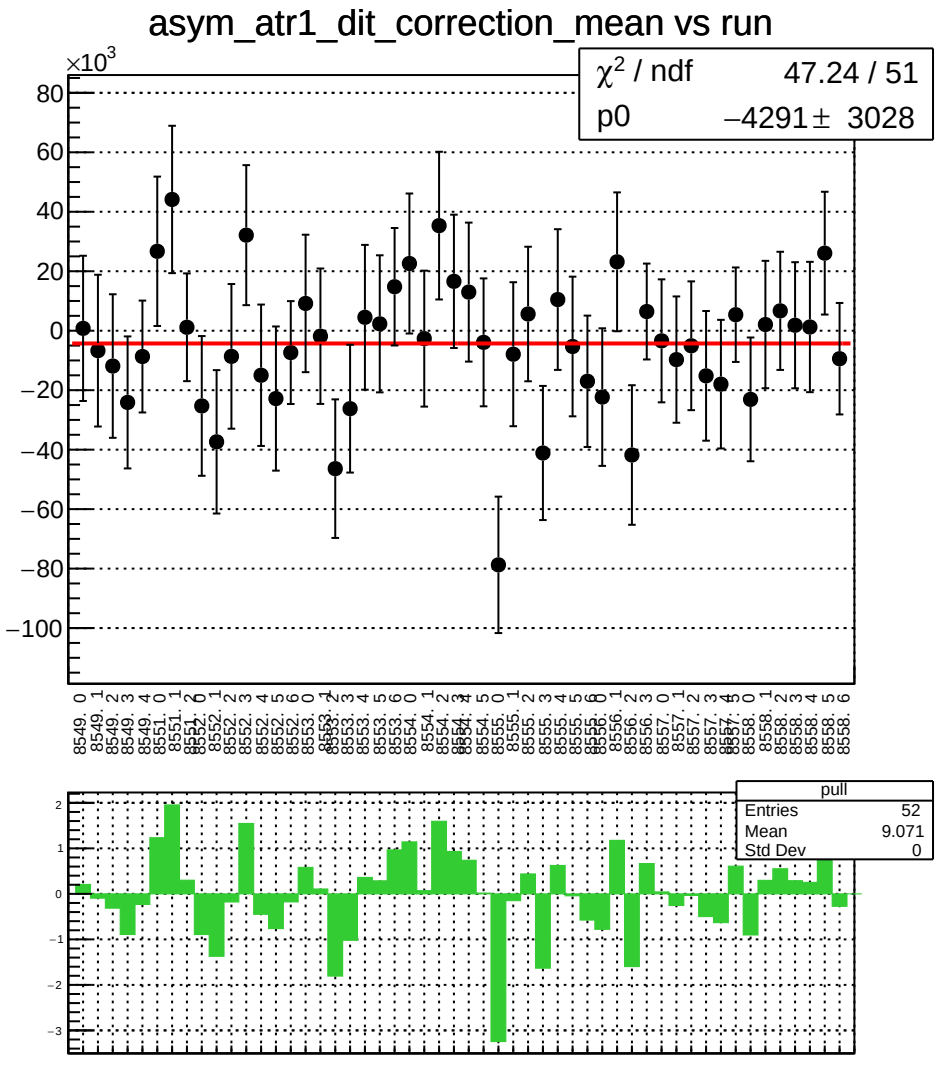
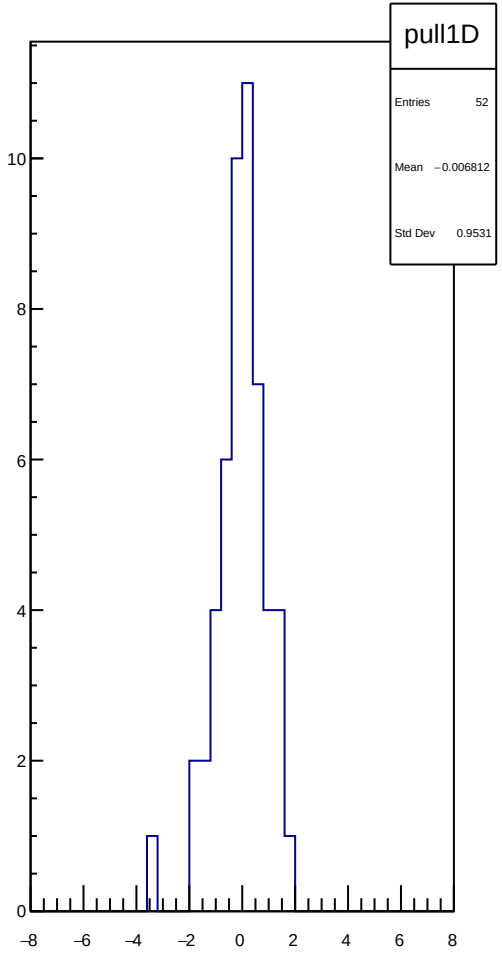
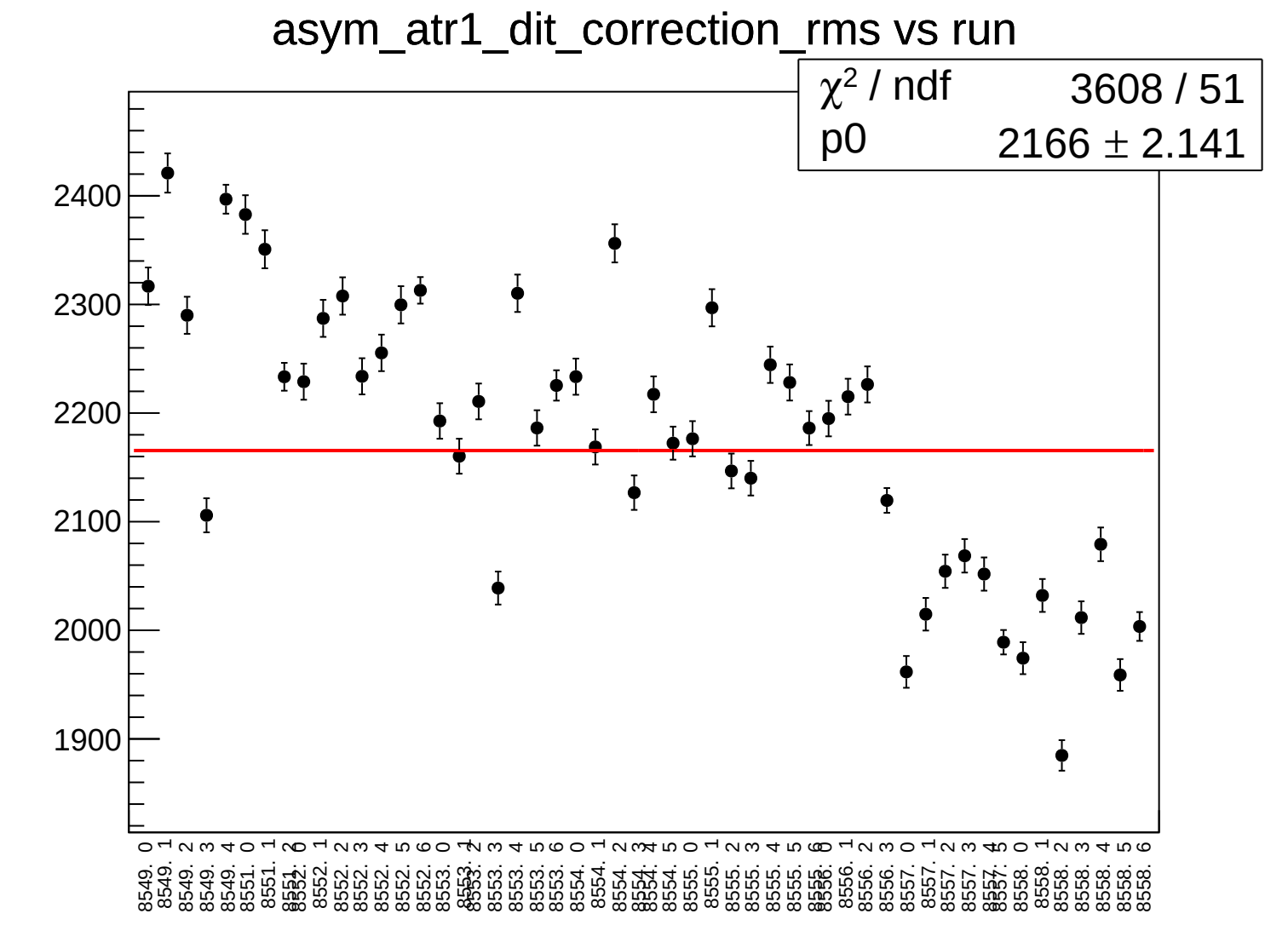
8558. 5
8558. 6


asym_atr1_dit_correction_mean vs run
×10^3
χ² / ndf 47.24 / 51
p0 −4291 ± 3028
pull
Entries 52
Mean 9.071
Std Dev 0


pull1D
Entries 52
Mean −0.006812
Std Dev 0.9531


asym_atr1_dit_correction_rms vs run
χ² / ndf 3608 / 51
p0 2166 ± 2.141
2400
2300
2200
2100
2000
1900
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
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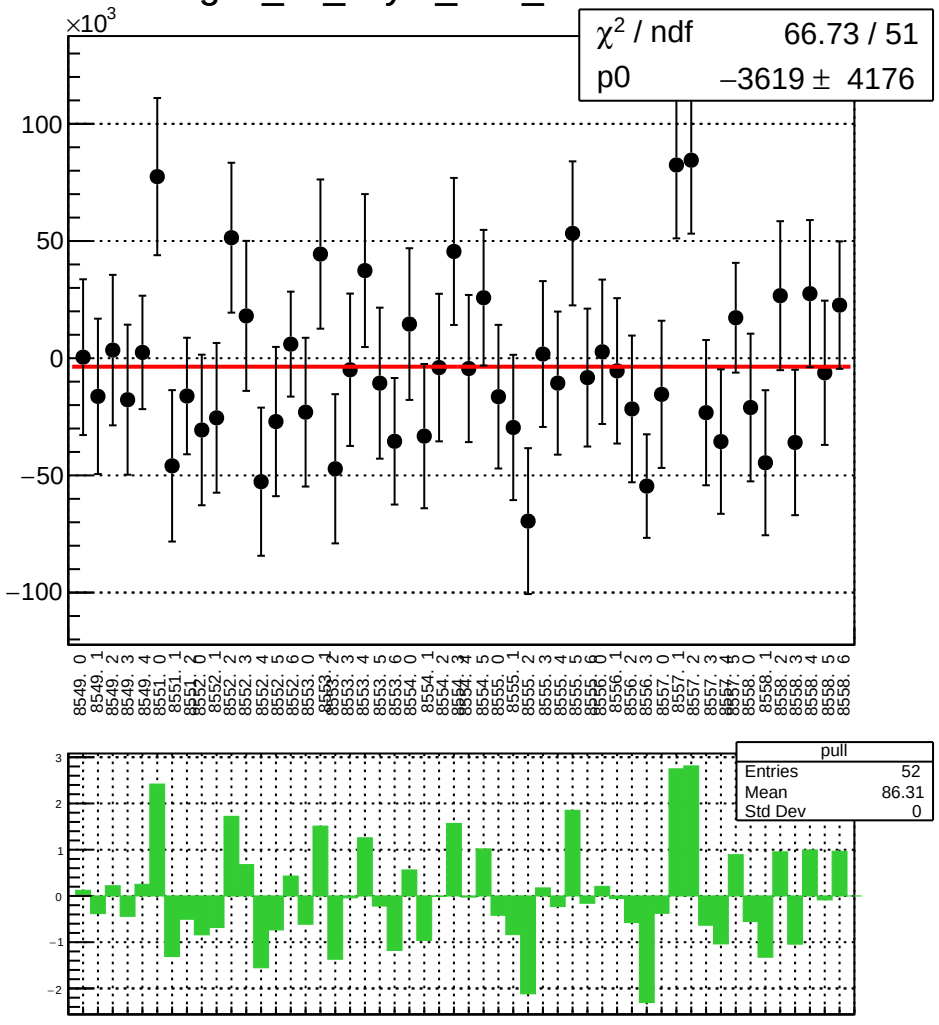
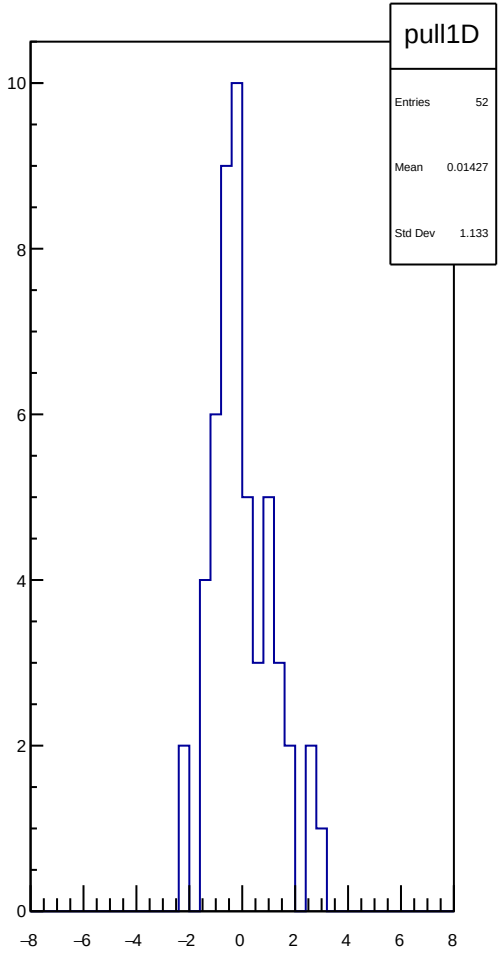
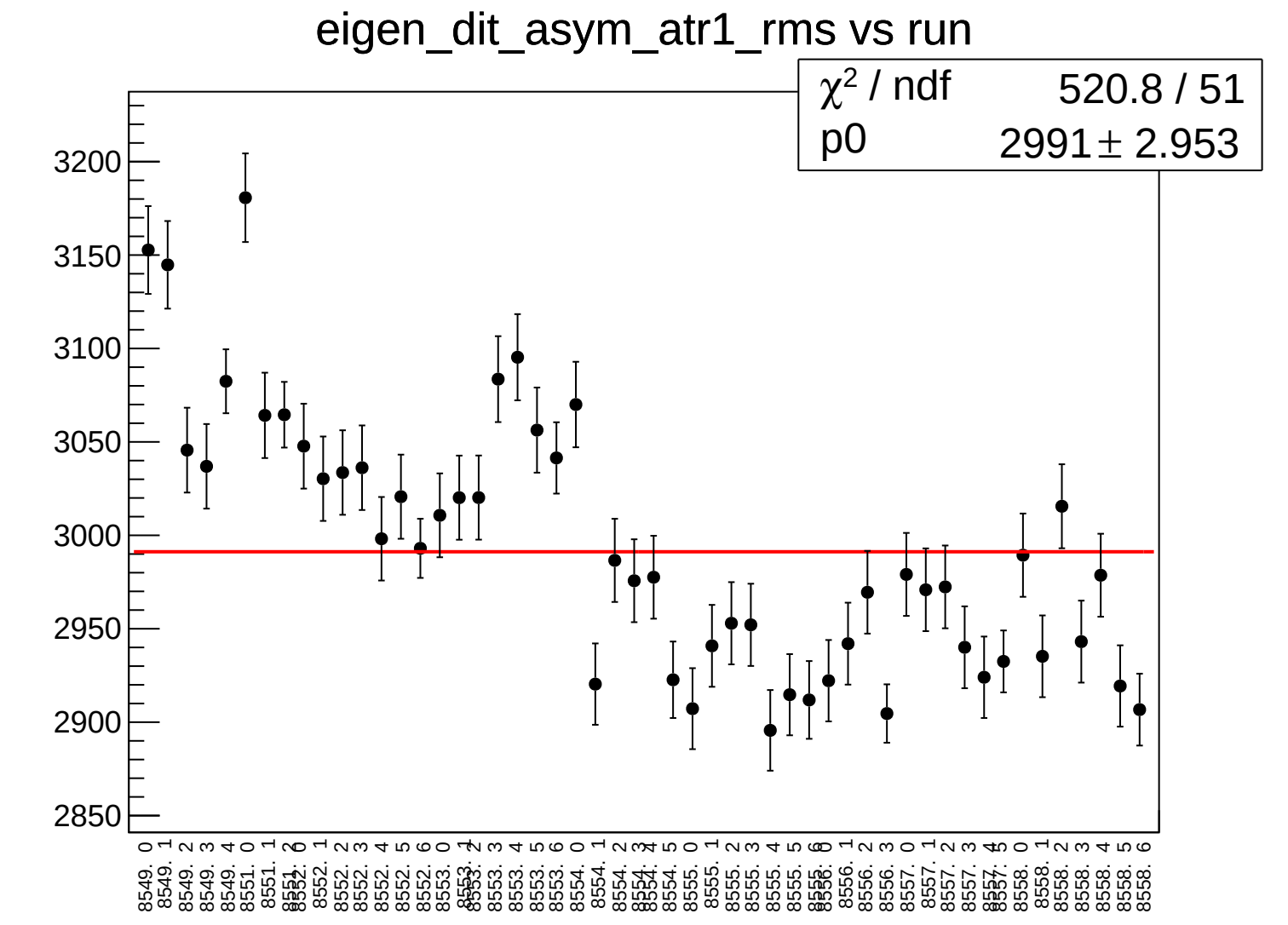
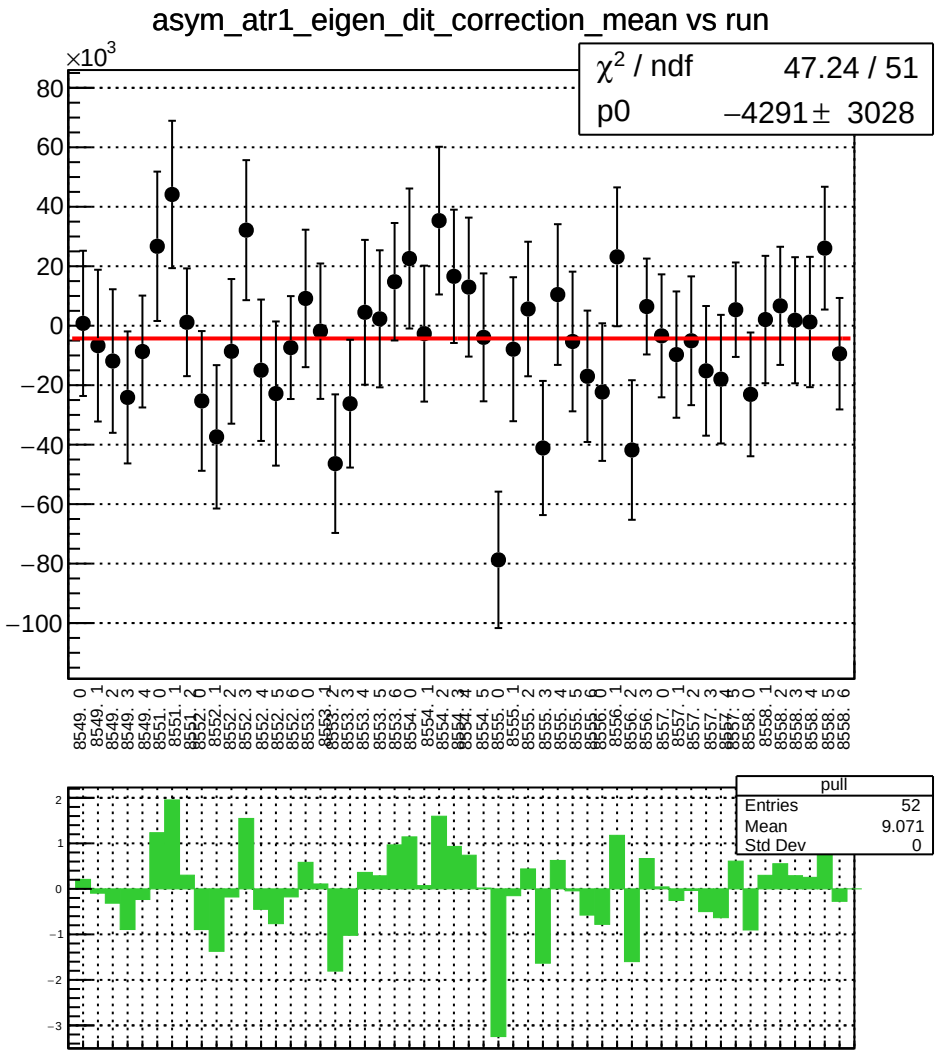
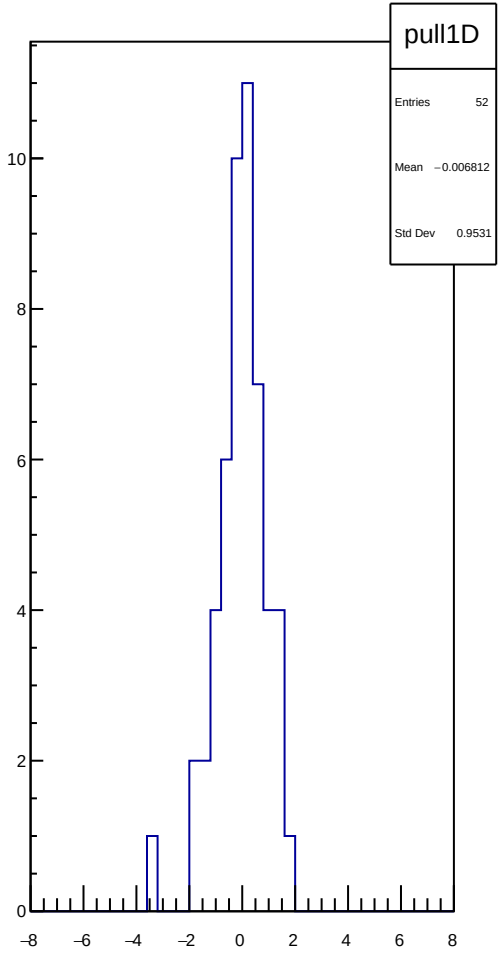
8558. 5
8558. 6

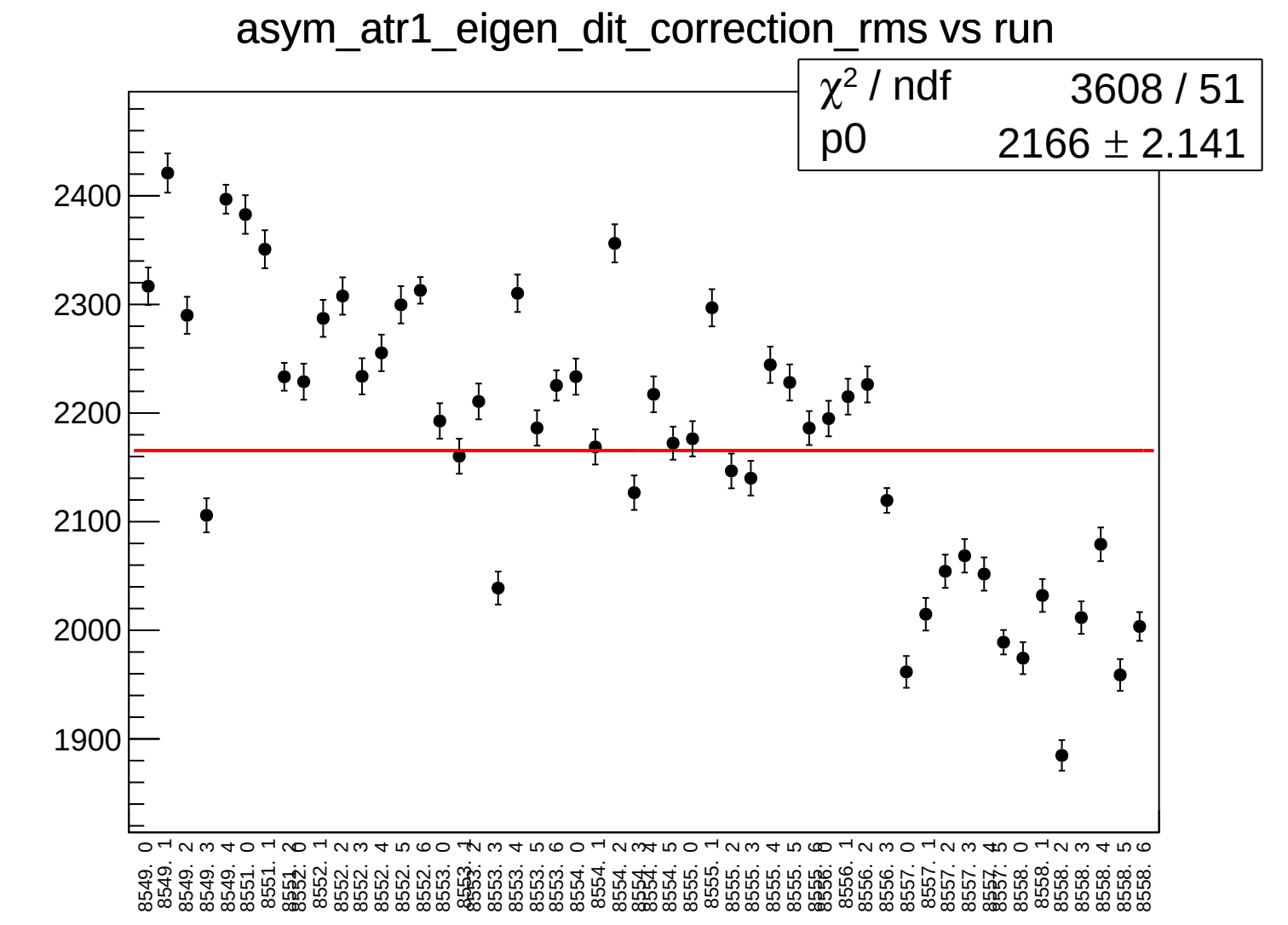

eigen_dit_asym_atr1_mean vs run
×10^3
χ² / ndf 66.73 / 51
p0 −3619 ± 4176
100
50
0
−50
−100
pull
Entries 52
Mean 86.31
Std Dev 0
3
2
1
0
−1
−2

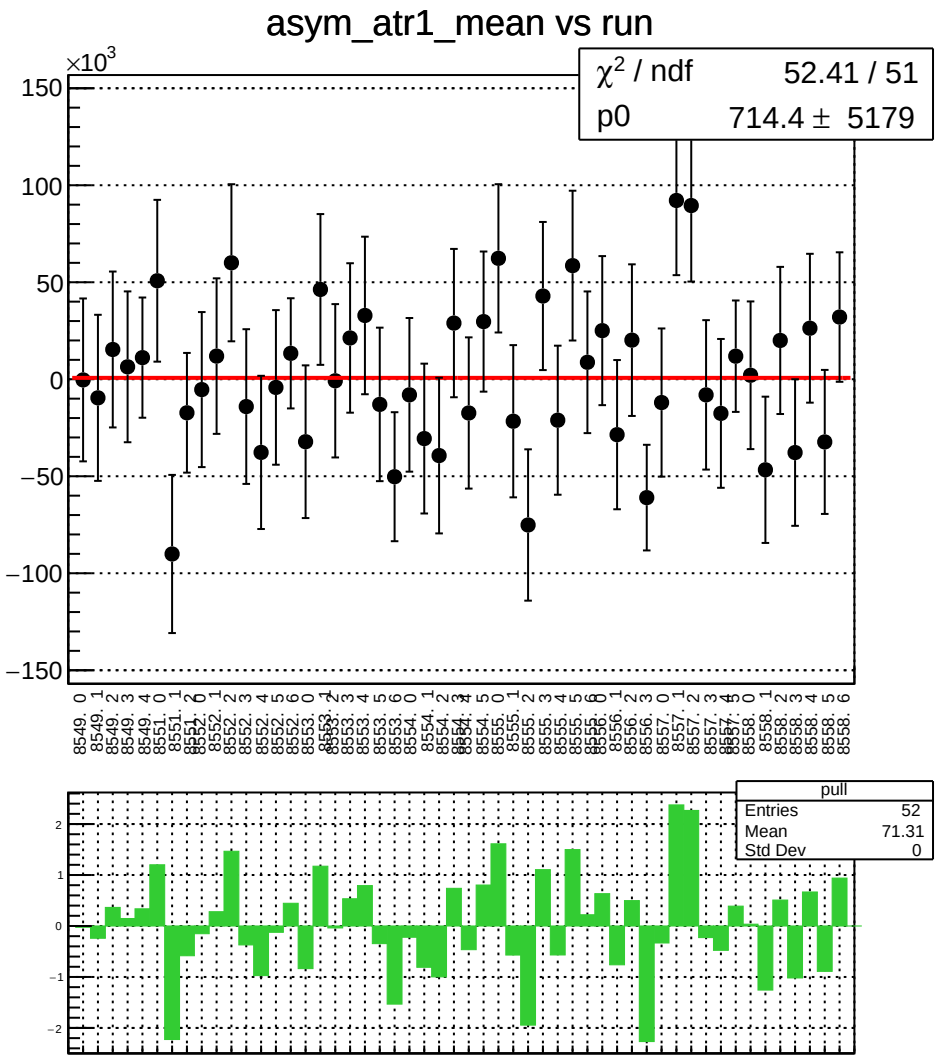

pull1D
Entries 52
Mean 0.01427
Std Dev 1.133
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

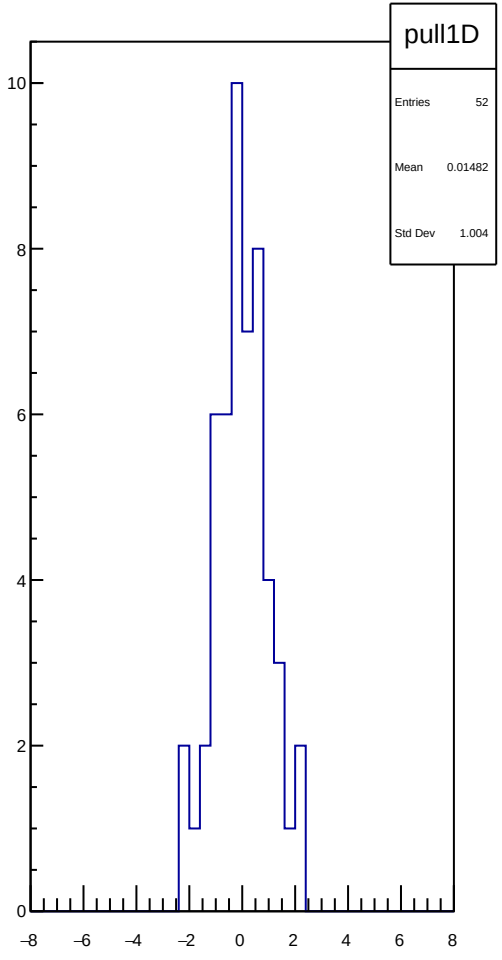

eigen_dit_asym_atr1_rms vs run
χ² / ndf 520.8 / 51
p0 2991 ± 2.953
3200
3150
3100
3050
3000
2950
2900
2850
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 5
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

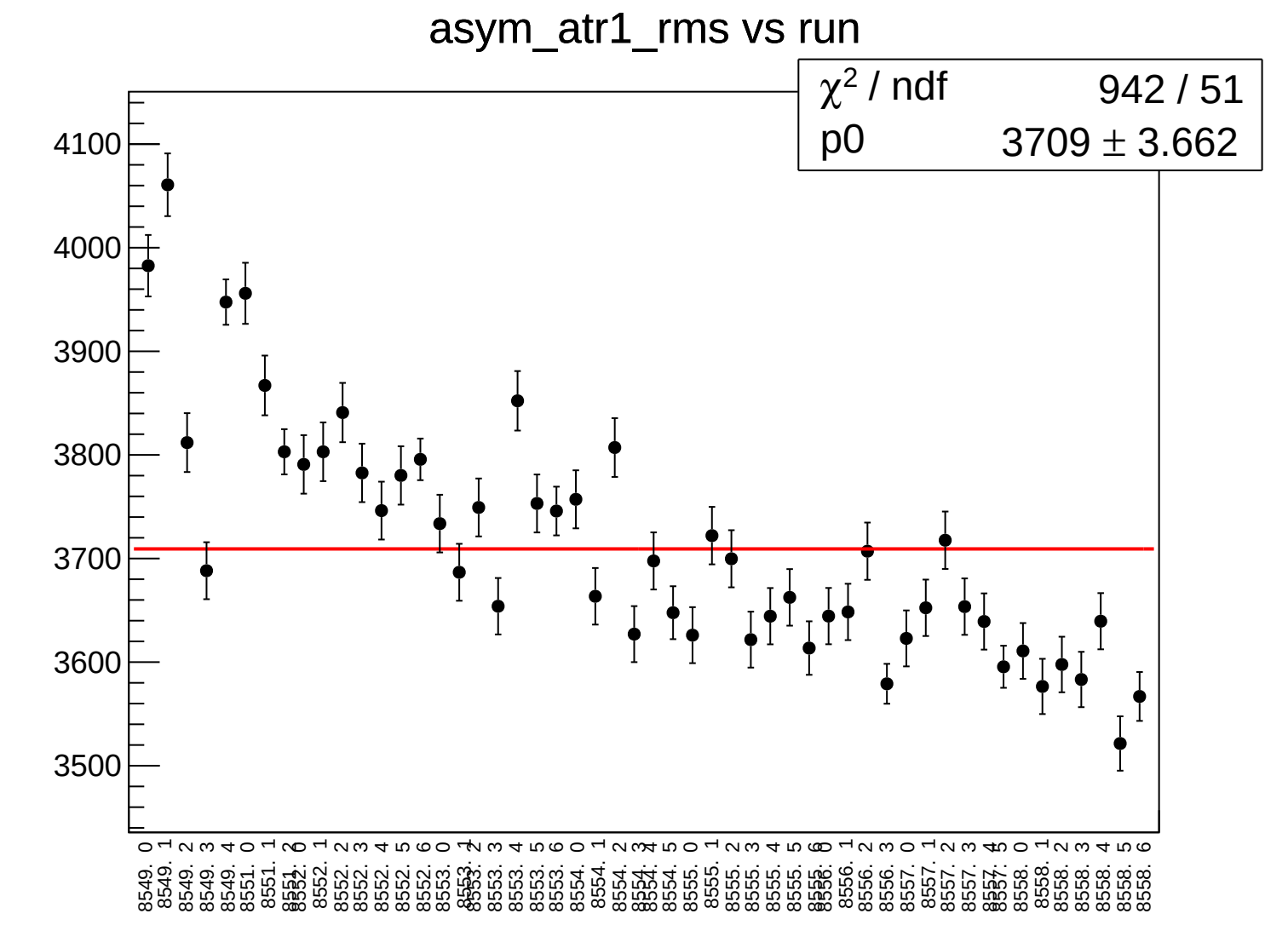

asym_atr1_eigen_dit_correction_mean vs run
×10^3
χ² / ndf 47.24 / 51
p0 −4291 ± 3028
pull
Entries 52
Mean 9.071
Std Dev 0


pull1D
Entries 52
Mean −0.006812
Std Dev 0.9531


asym_atr1_eigen_dit_correction_rms vs run
χ² / ndf 3608 / 51
p0 2166 ± 2.141
2400
2300
2200
2100
2000
1900
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6


asym_atr1_mean vs run
×10^3
χ² / ndf 52.41 / 51
p0 714.4 ± 5179
150
100
50
0
−50
−100
−150
pull
Entries 52
Mean 71.31
Std Dev 0
2
1
0
−1
−2


pull1D
Entries 52
Mean 0.01482
Std Dev 1.004
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


asym_atr1_rms vs run
χ^2 / ndf 942 / 51
p0 3709 ± 3.662
4100
4000
3900
3800
3700
3600
3500
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 5
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
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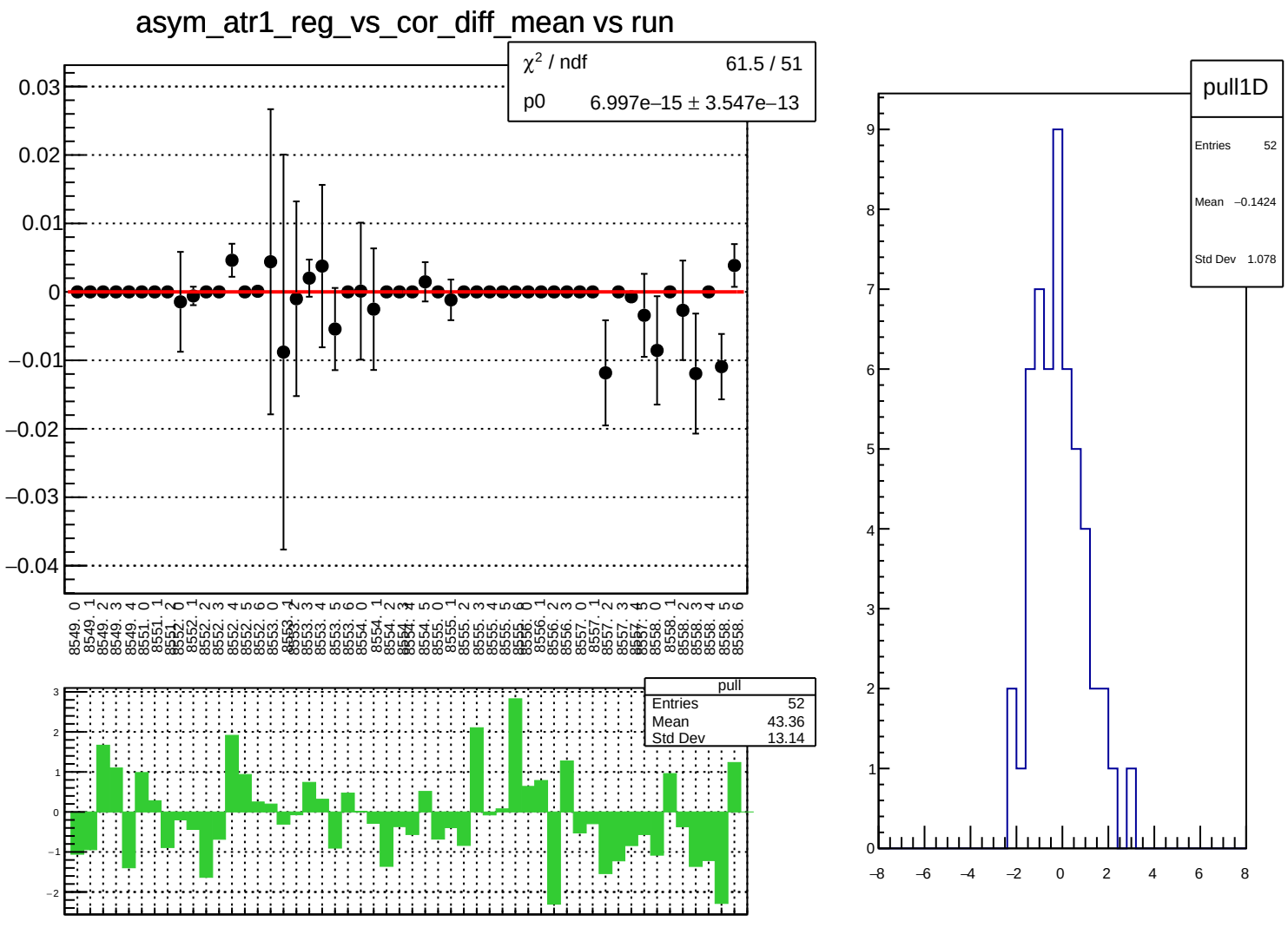
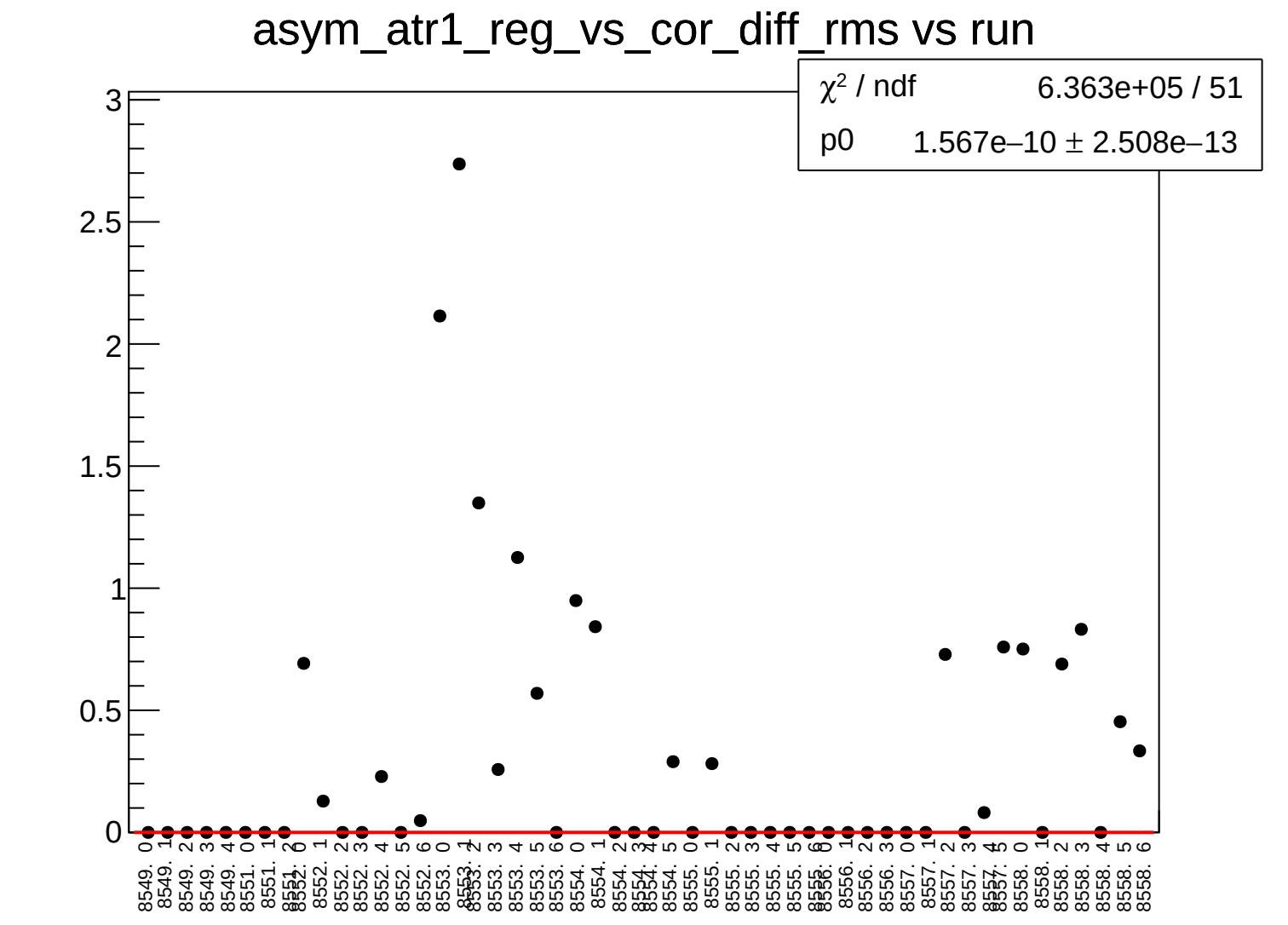
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6


asym_atr1_reg_vs_cor_diff_mean vs run
χ² / ndf 61.5 / 51
p0 6.997e−15 ± 3.547e−13
pull
Entries 52
Mean 43.36
Std Dev 13.14
pull1D
Entries 52
Mean −0.1424
Std Dev 1.078


asym_atr1_reg_vs_cor_diff_rms vs run
χ² / ndf 6.363e+05 / 51
p0 1.567e−10 ± 2.508e−13
3
2.5
2
1.5
1
0.5
0
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8549. 5
8549. 6
8551. 0
8551. 1
8551. 2
8552. 0
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 1
8553. 2
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
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8554. 5
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8555. 6
8556. 0
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
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8557. 5
8558. 0
8558. 1
8558. 2
8558. 3
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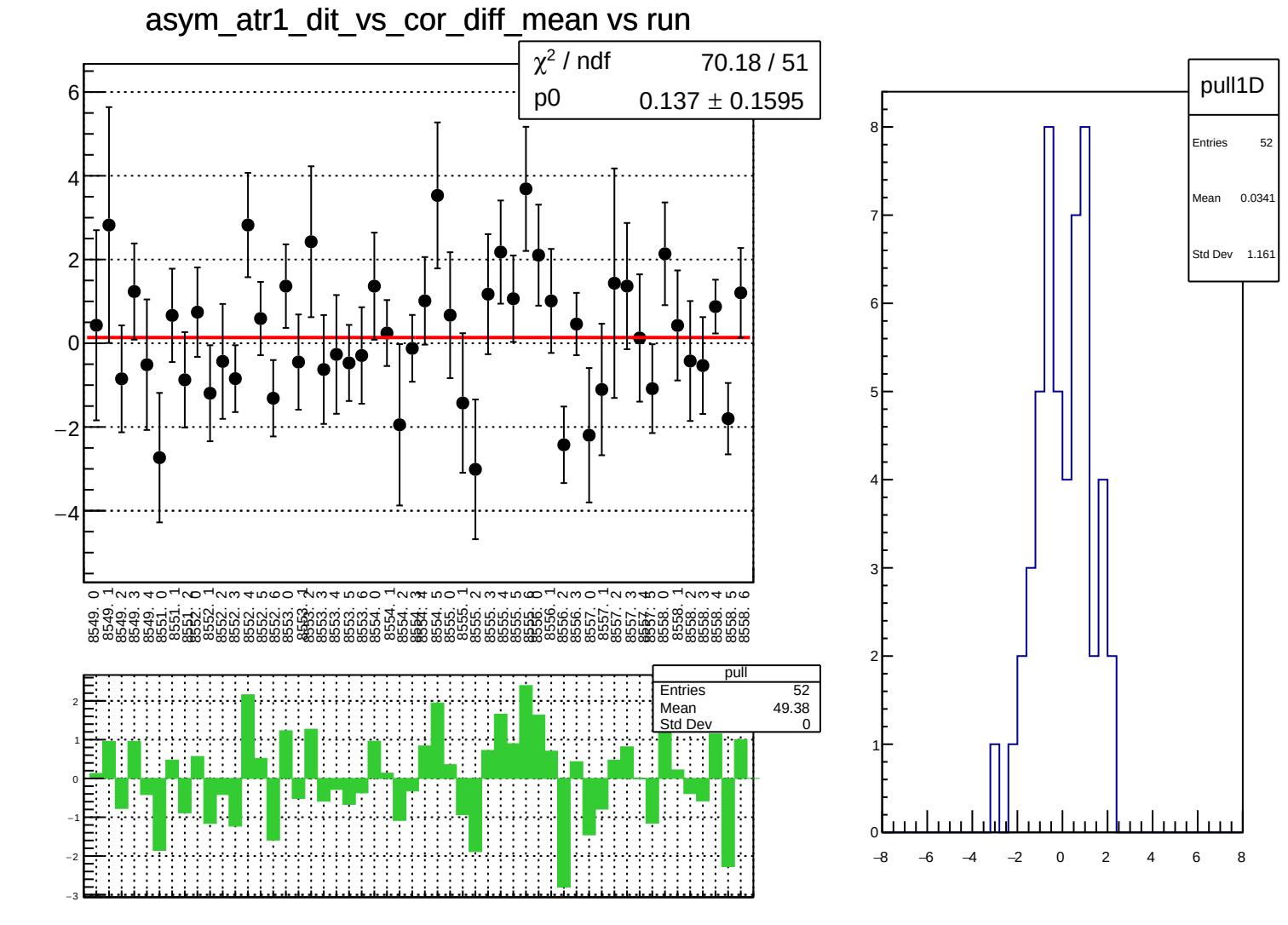
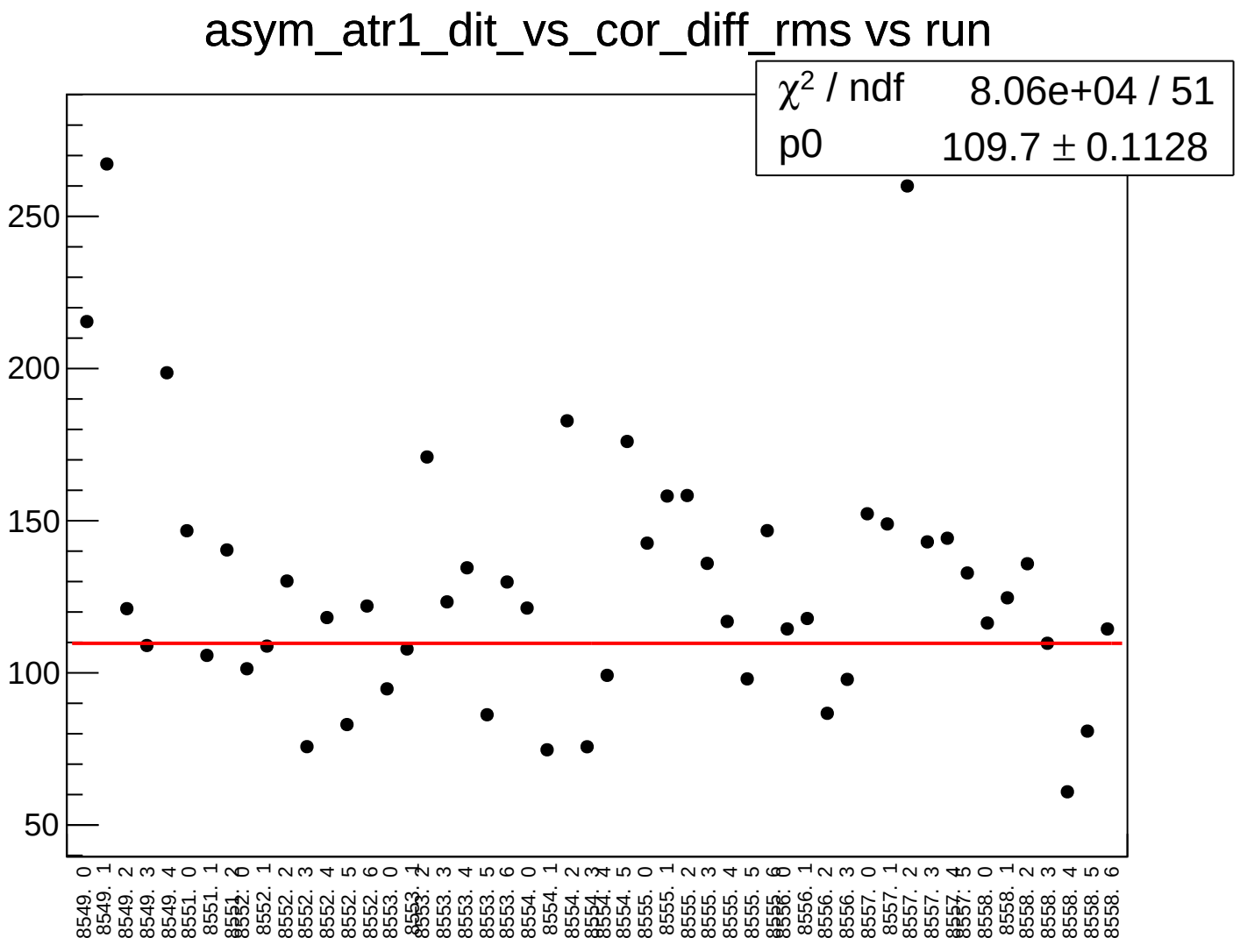
8558. 5
8558. 6


asym_atr1_dit_vs_cor_diff_mean vs run
χ² / ndf 70.18 / 51
p0 0.137 ± 0.1595
pull
Entries 52
Mean 49.38
Std Dev 0
pull1D
Entries 52
Mean 0.0341
Std Dev 1.161


asym_atr1_dit_vs_cor_diff_rms vs run
χ² / ndf 8.06e+04 / 51
p0 109.7 ± 0.1128
250
200
150
100
50
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
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8556. 1
8556. 2
8556. 3
8557. 0
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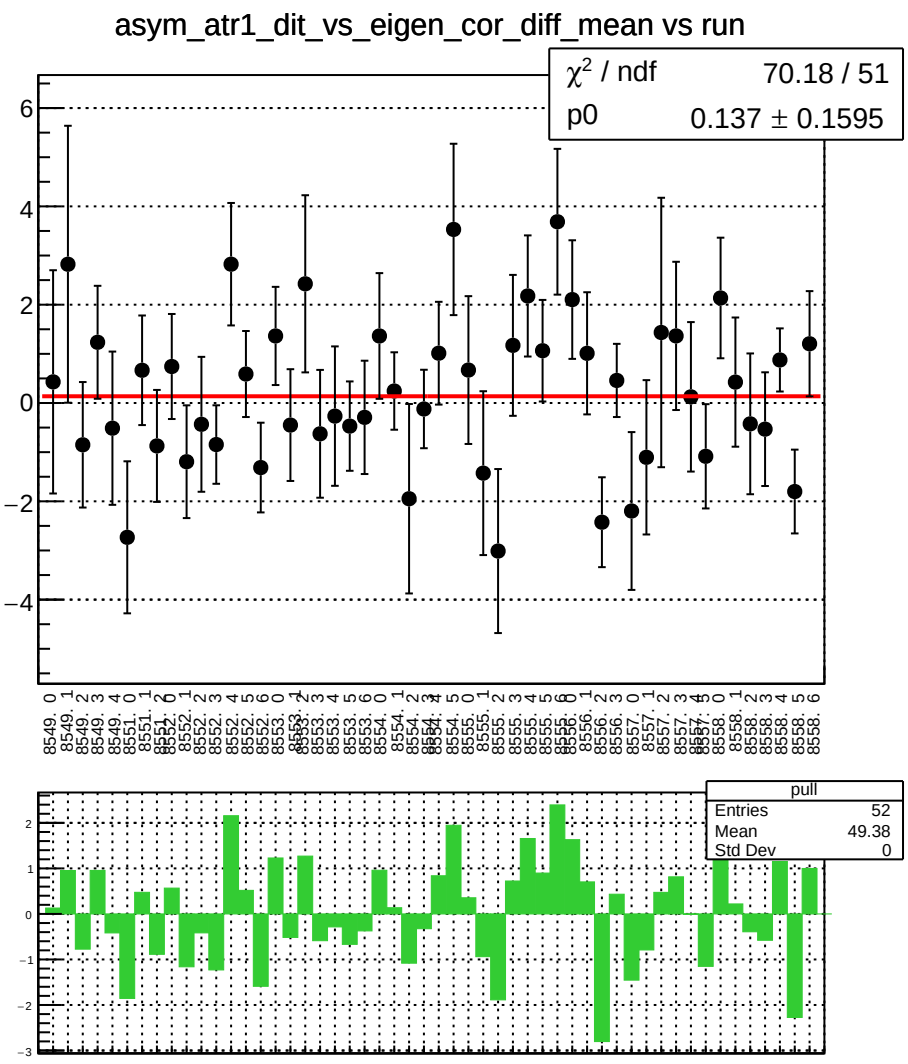
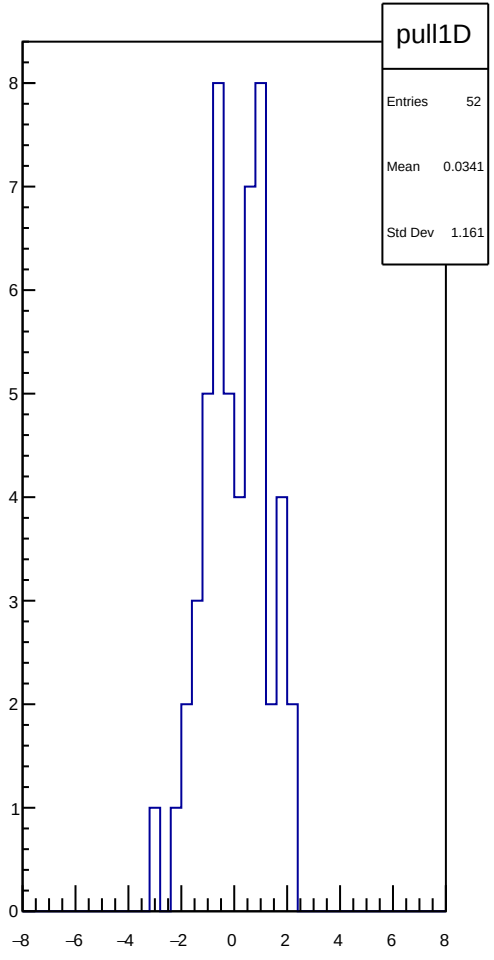
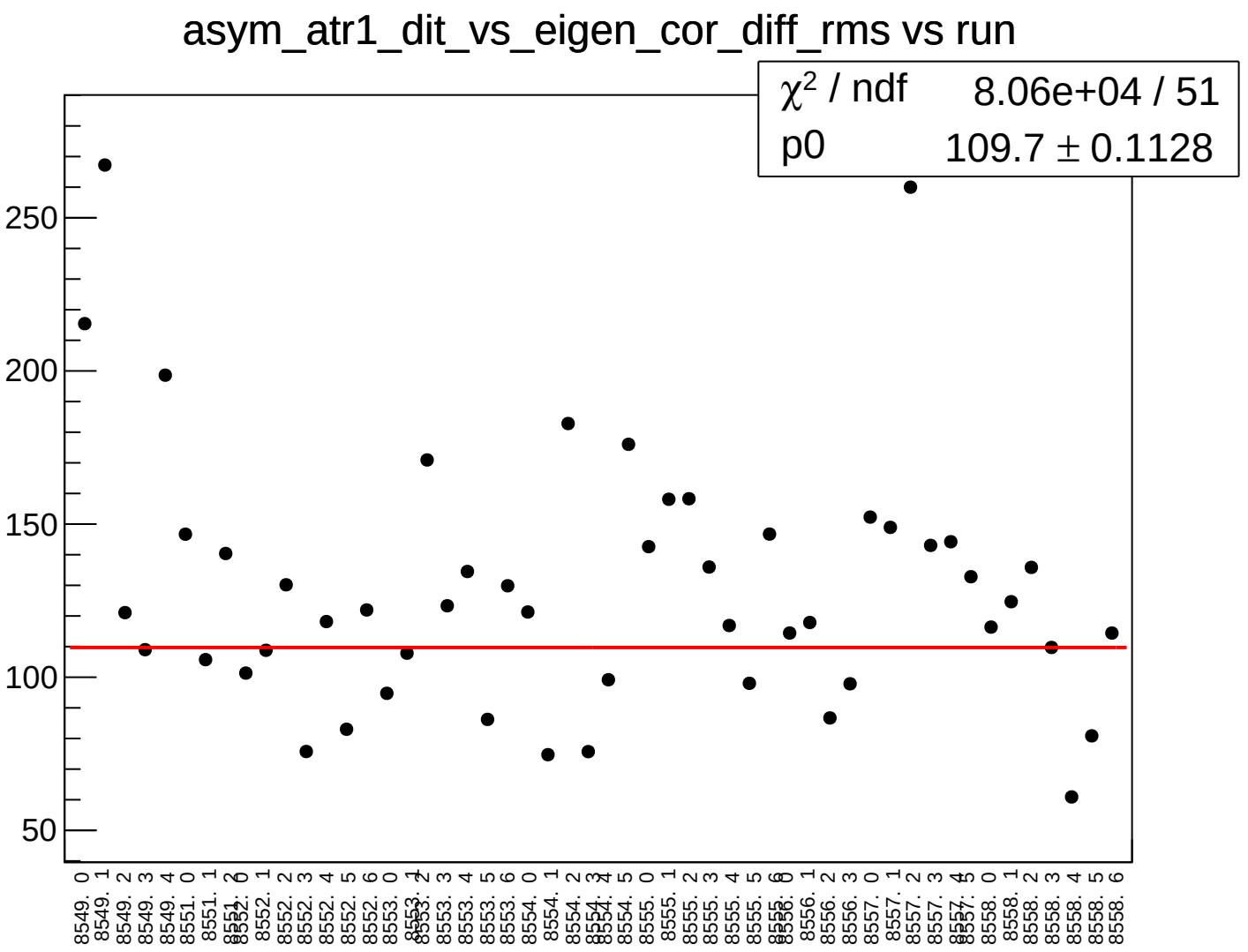
8558. 6


asym_atr1_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 70.18 / 51
p0 0.137 ± 0.1595
pull
Entries 52
Mean 49.38
Std Dev 0


pull1D
Entries 52
Mean 0.0341
Std Dev 1.161


asym_atr1_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 8.06e+04 / 51
p0 109.7 ± 0.1128
250
200
150
100
50
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
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8554. 1
8554. 2
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8555. 2
8555. 3
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8556. 1
8556. 2
8556. 3
8557. 0
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8557. 3
8558. 0
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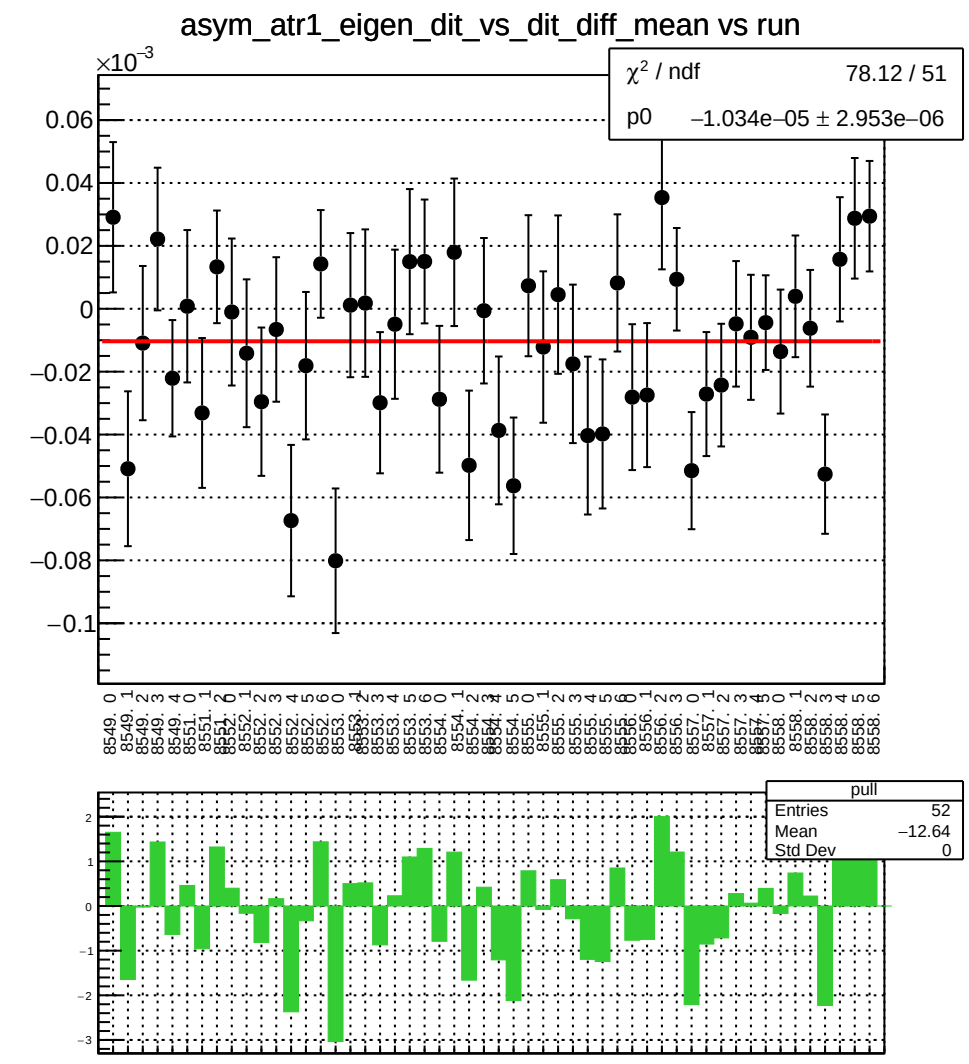
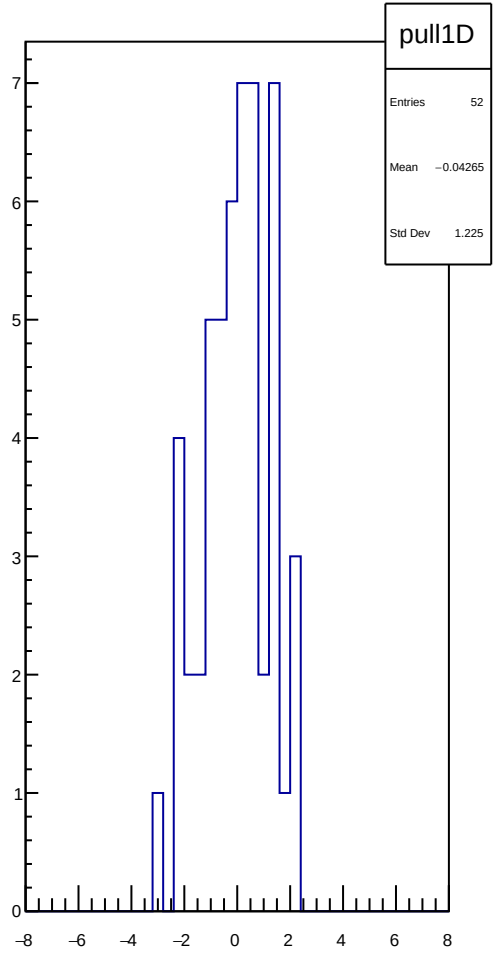
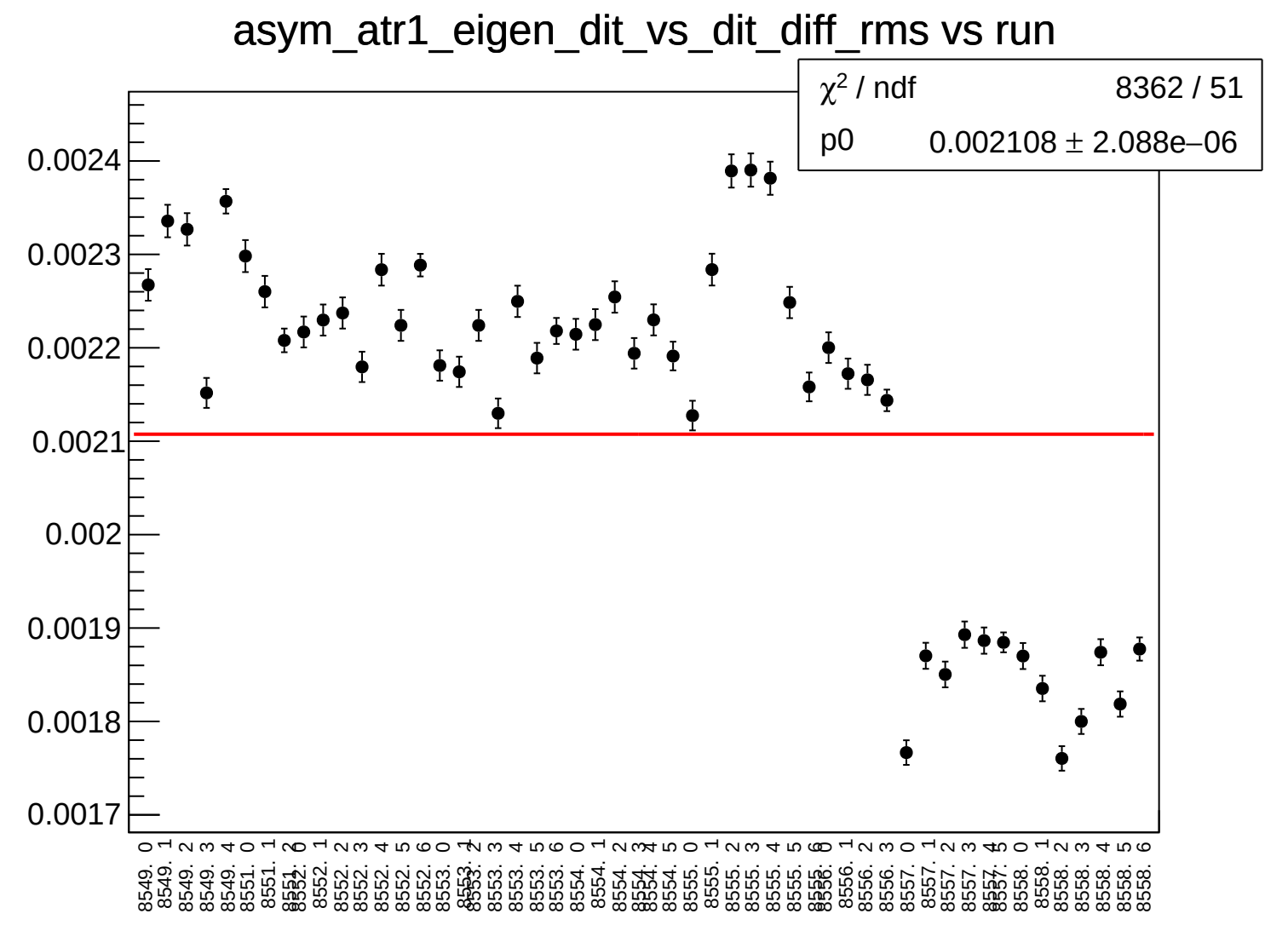
8558. 5
8558. 6


asym_atr1_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 78.12 / 51
p0 −1.034e−05 ± 2.953e−06
pull
Entries 52
Mean −12.64
Std Dev 0


pull1D
Entries 52
Mean −0.04265
Std Dev 1.225


asym_atr1_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 8362 / 51
p0 0.002108 ± 2.088e−06
0.0024
0.0023
0.0022
0.0021
0.002
0.0019
0.0018
0.0017
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
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8553. 4
8553. 5
8553. 6
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8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
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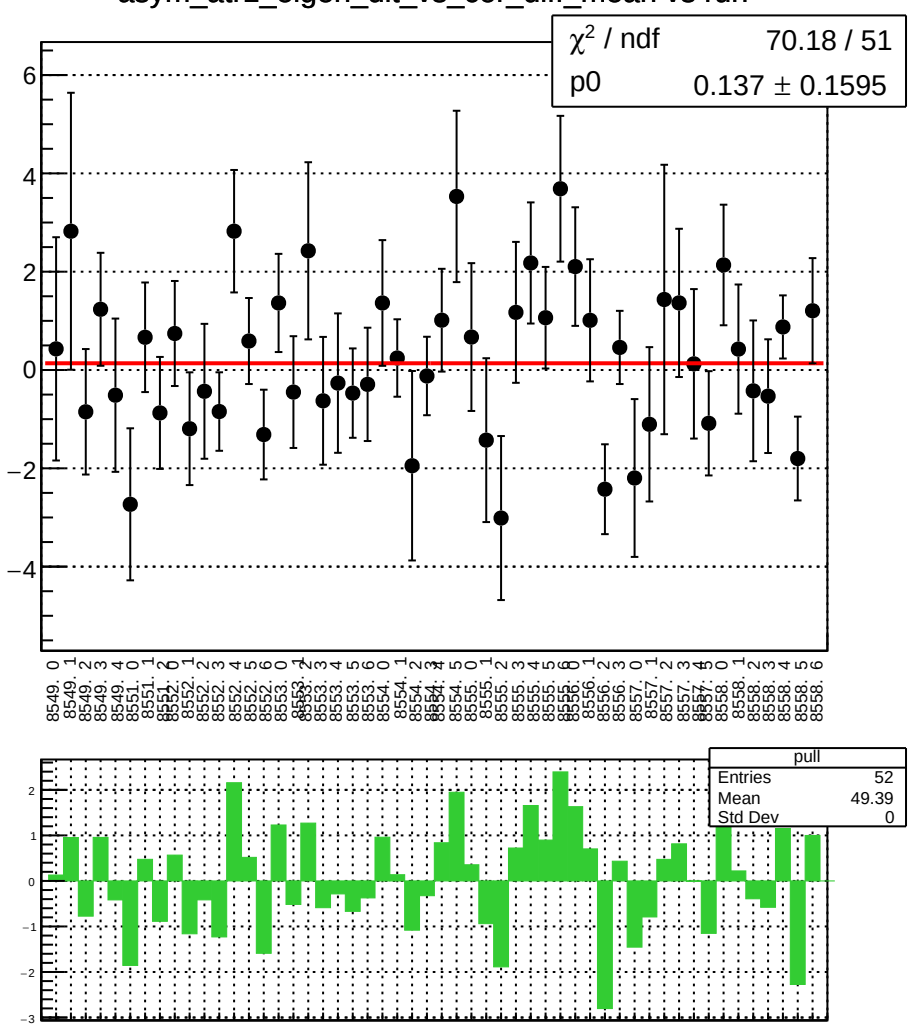
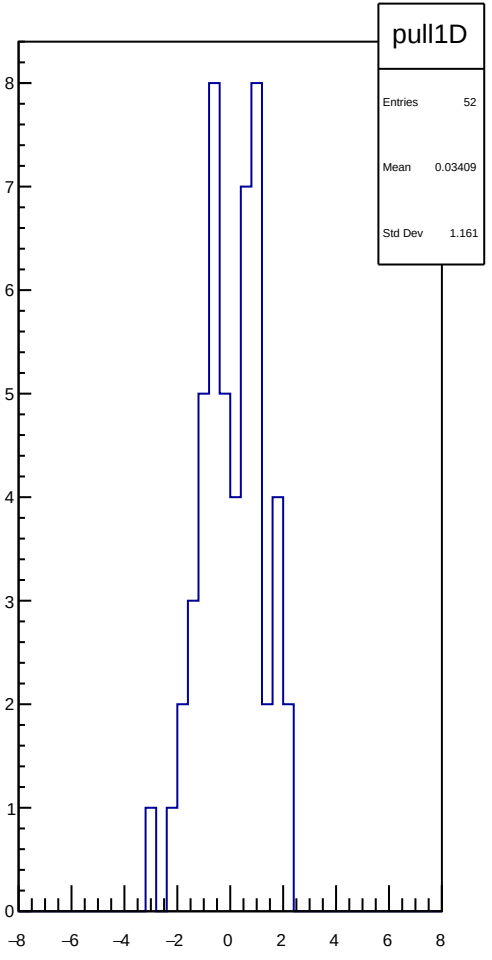
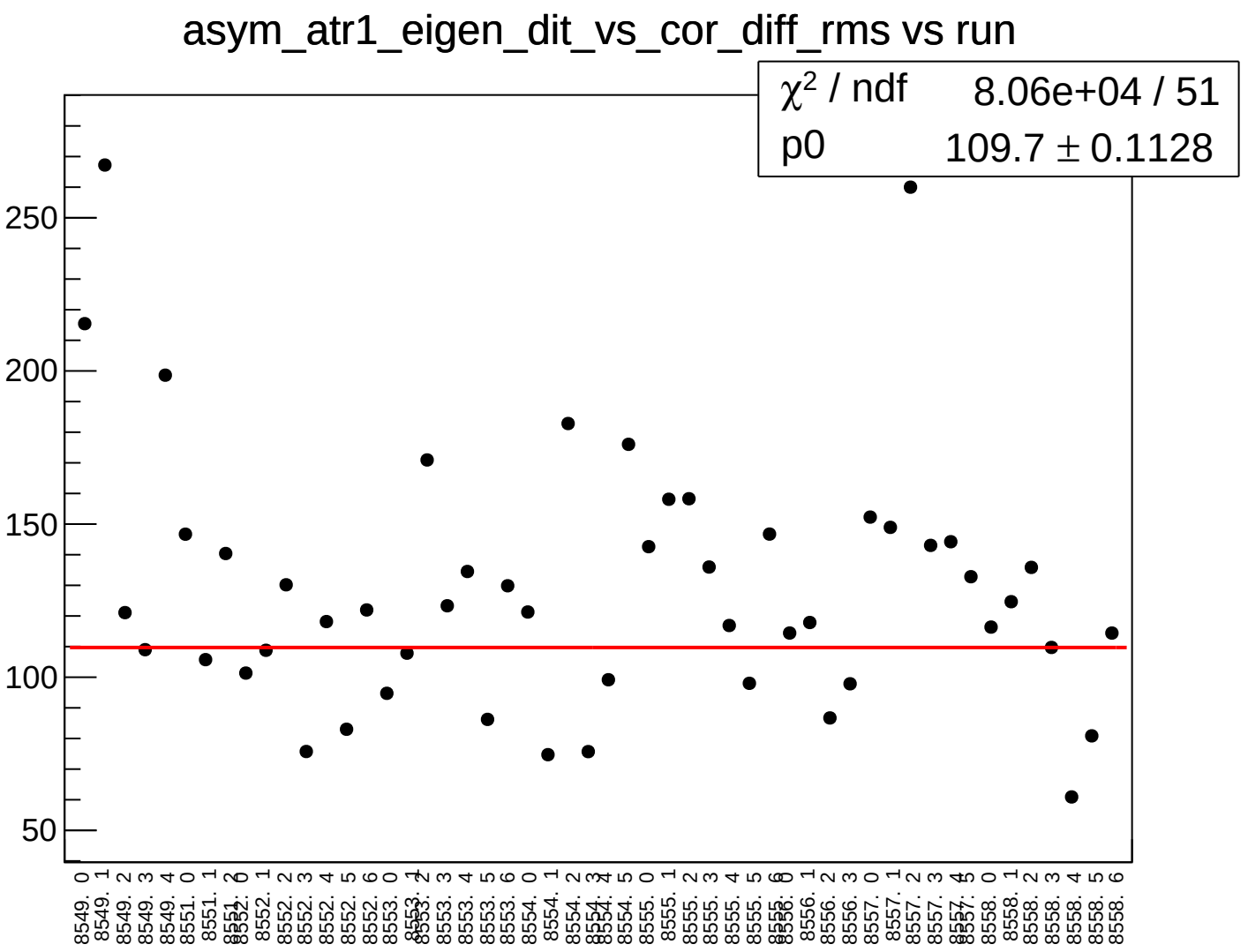
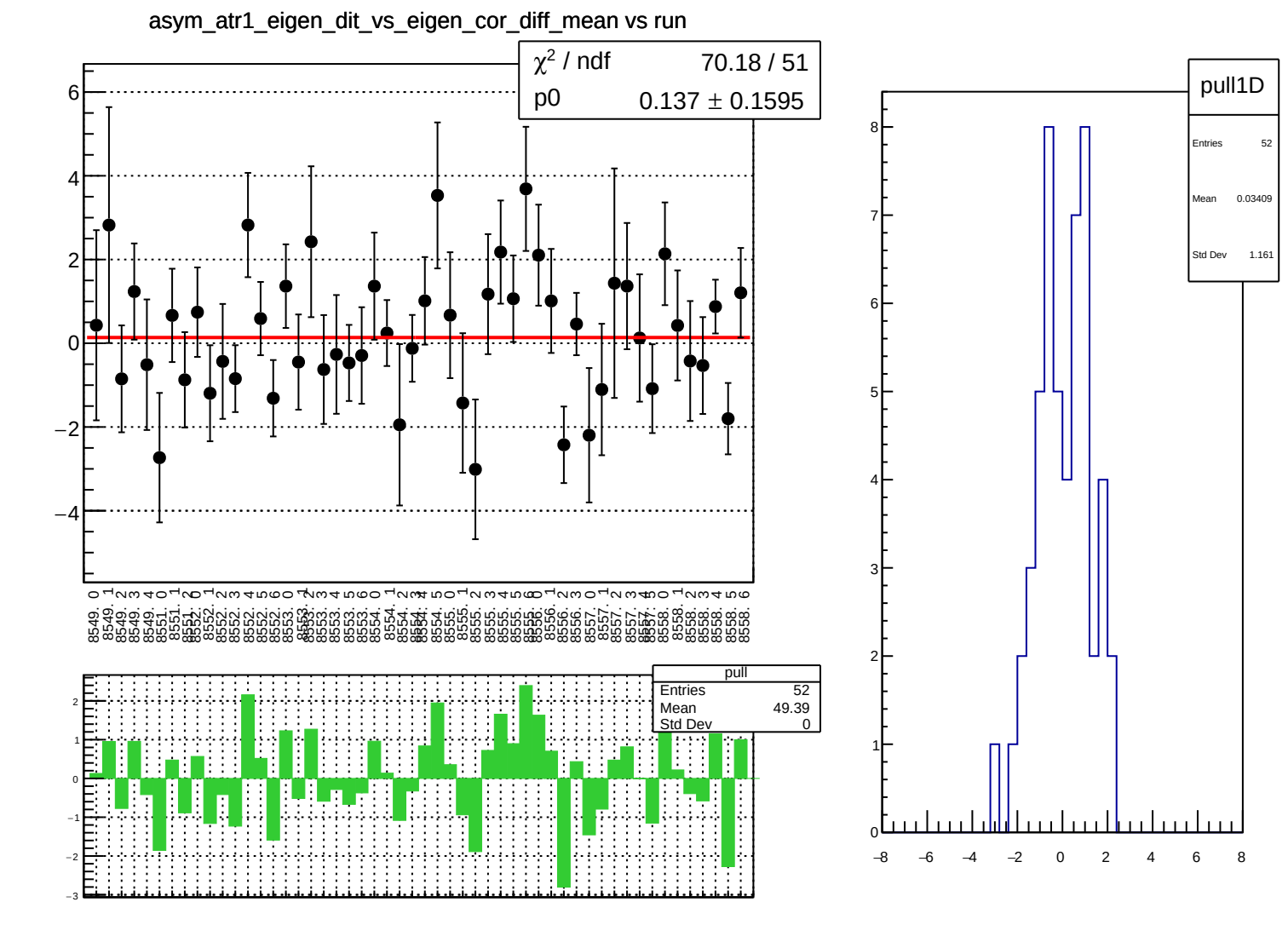
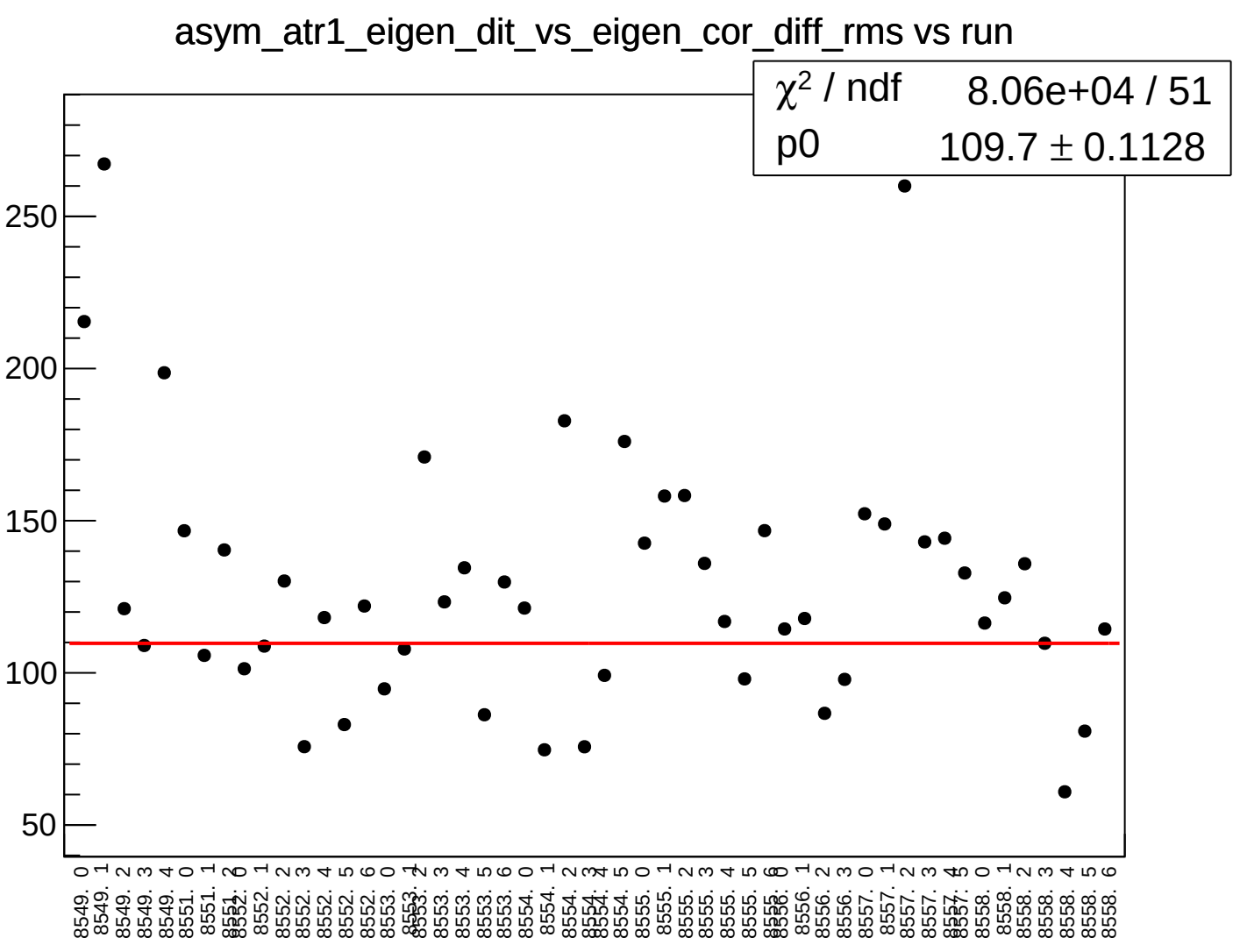
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

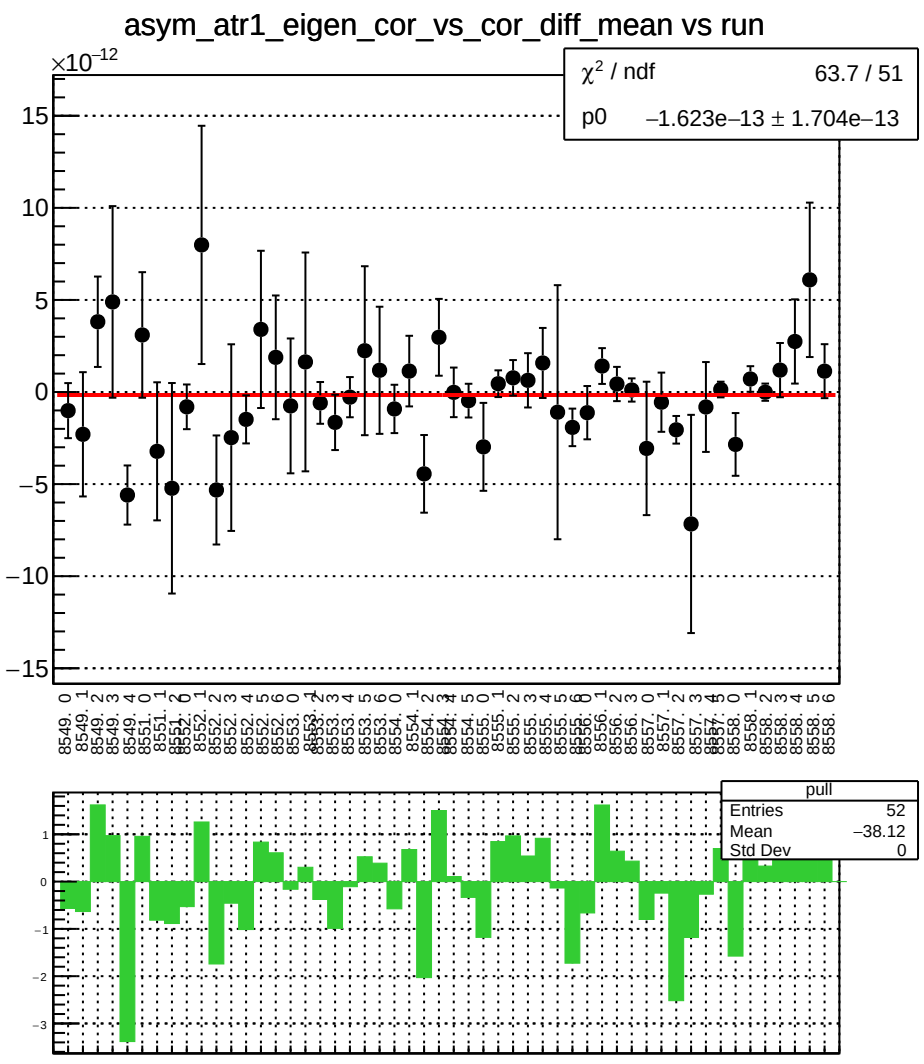

asym_atr1_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 70.18 / 51
p0 0.137 ± 0.1595
pull
Entries 52
Mean 49.39
Std Dev 0

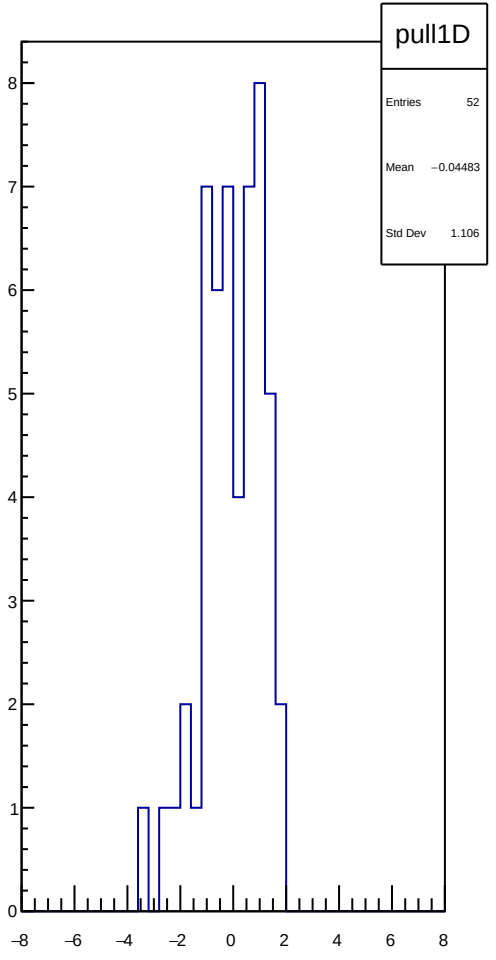

pull1D
Entries 52
Mean 0.03409
Std Dev 1.161

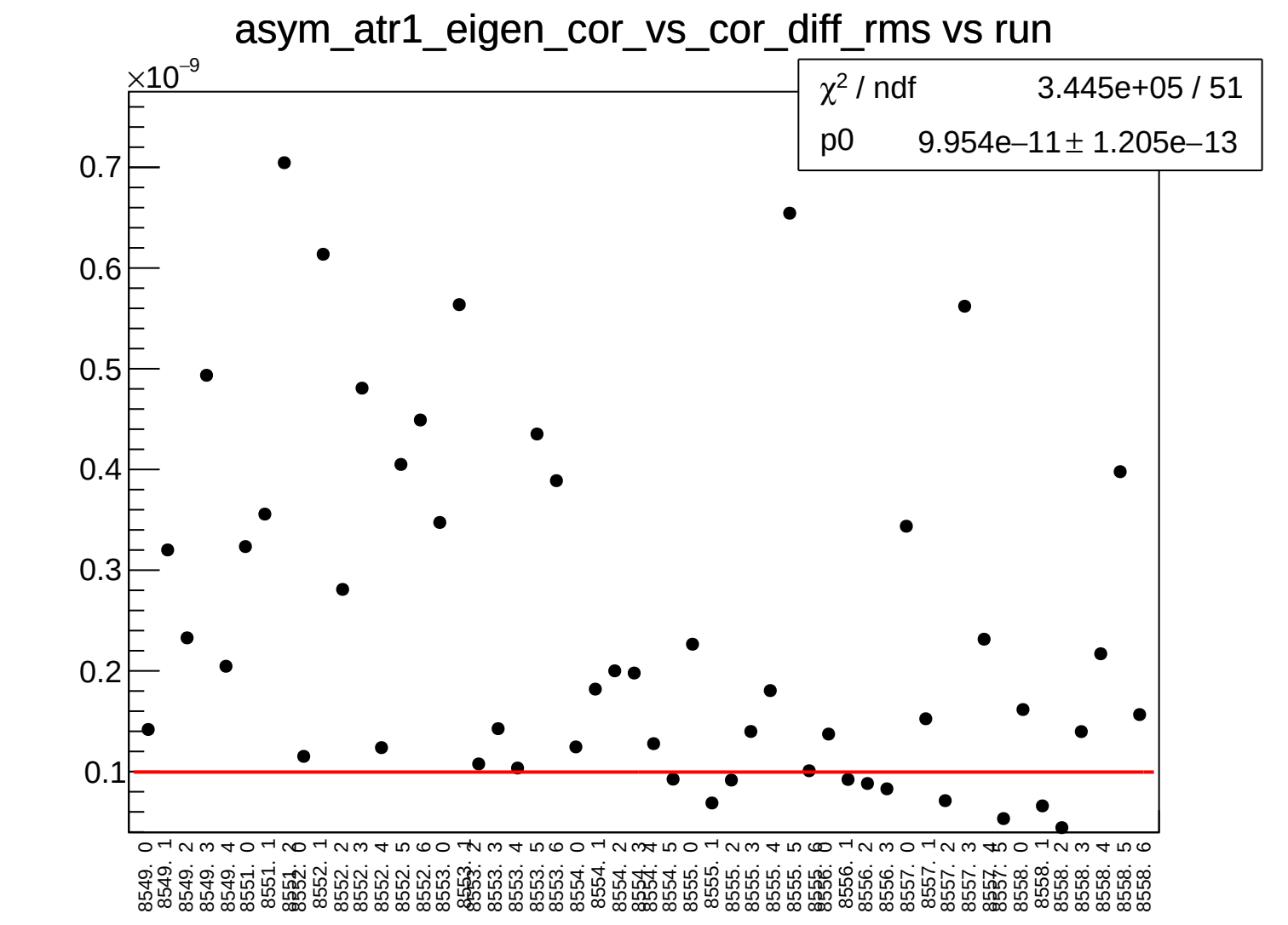

asym_atr1_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 8.06e+04 / 51
p0 109.7 ± 0.1128
250
200
150
100
50
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 5
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

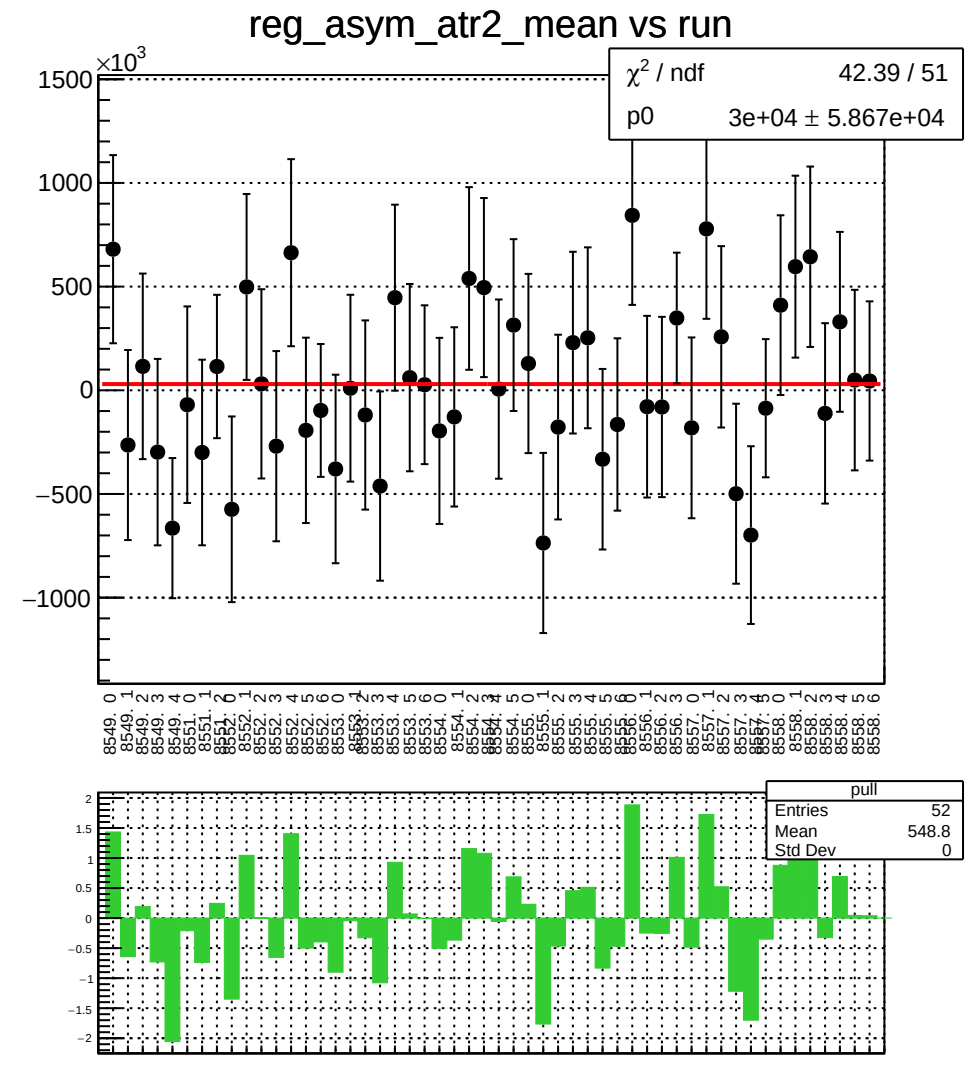

asym_atr1_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 70.18 / 51
p0 0.137 ± 0.1595
pull
Entries 52
Mean 49.39
Std Dev 0
pull1D
Entries 52
Mean 0.03409
Std Dev 1.161

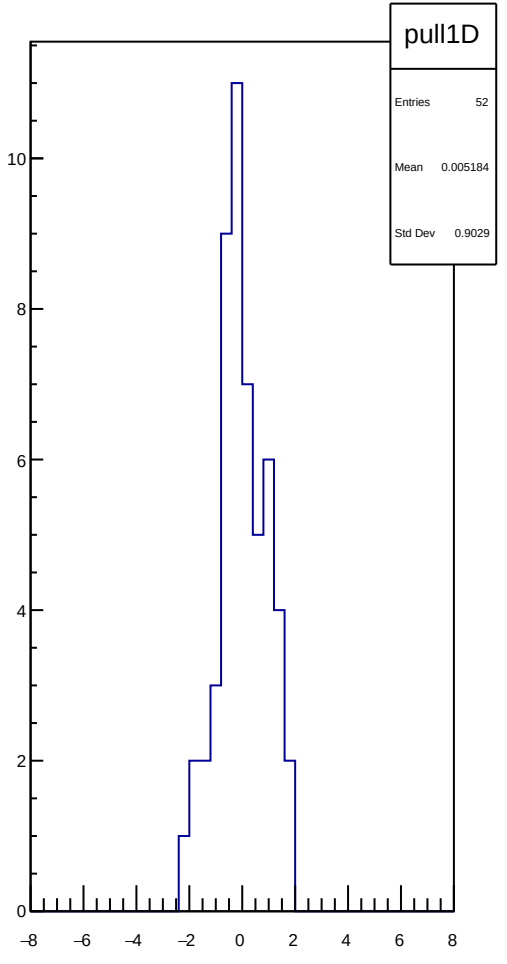

asym_atr1_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 8.06e+04 / 51
p0 109.7 ± 0.1128
250
200
150
100
50
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

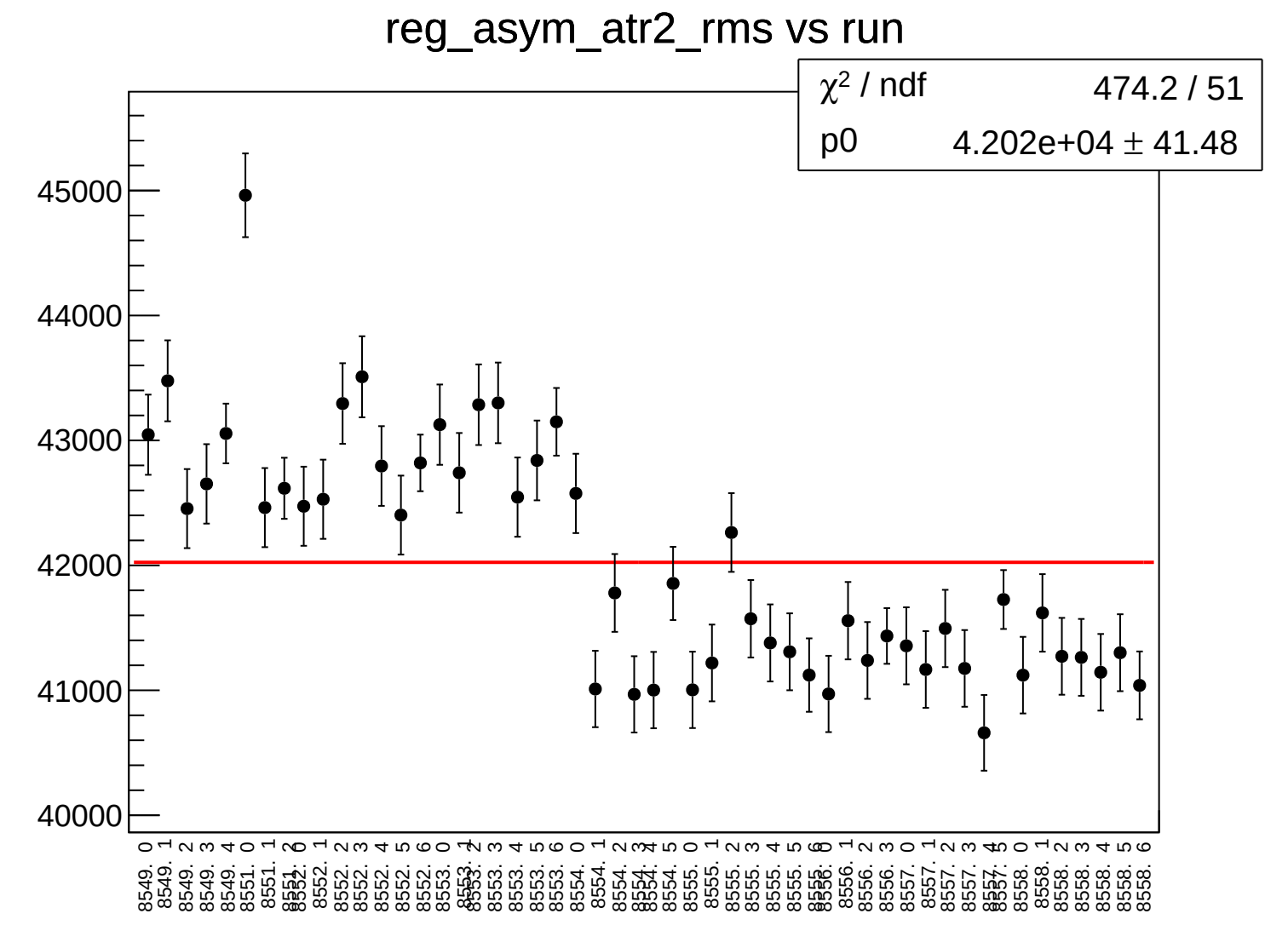

asym_atr1_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 63.7 / 51
p0 −1.623e−13 ± 1.704e−13
pull
Entries 52
Mean −38.12
Std Dev 0

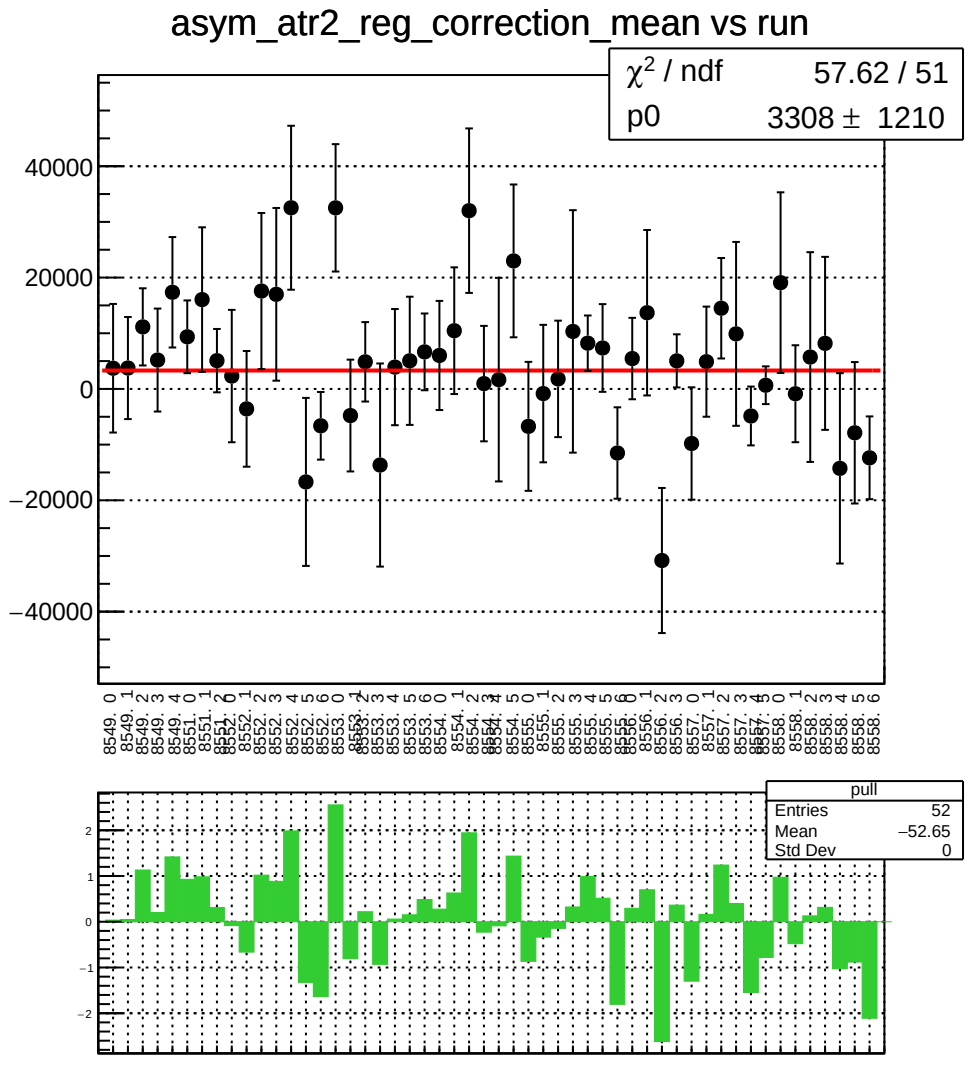

pull1D
Entries 52
Mean −0.04483
Std Dev 1.106

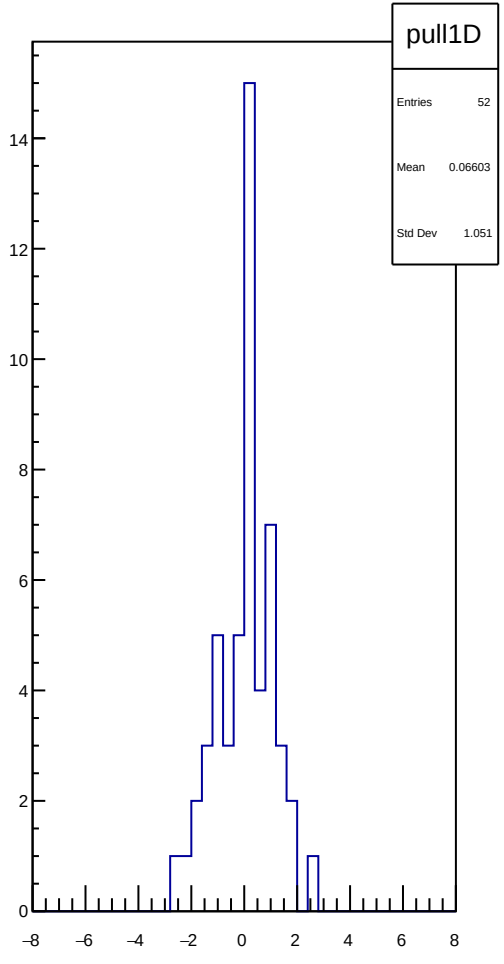

asym_atr1_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 3.445e+05 / 51
p0 9.954e−11 ± 1.205e−13
0.7
0.6
0.5
0.4
0.3
0.2
0.1
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

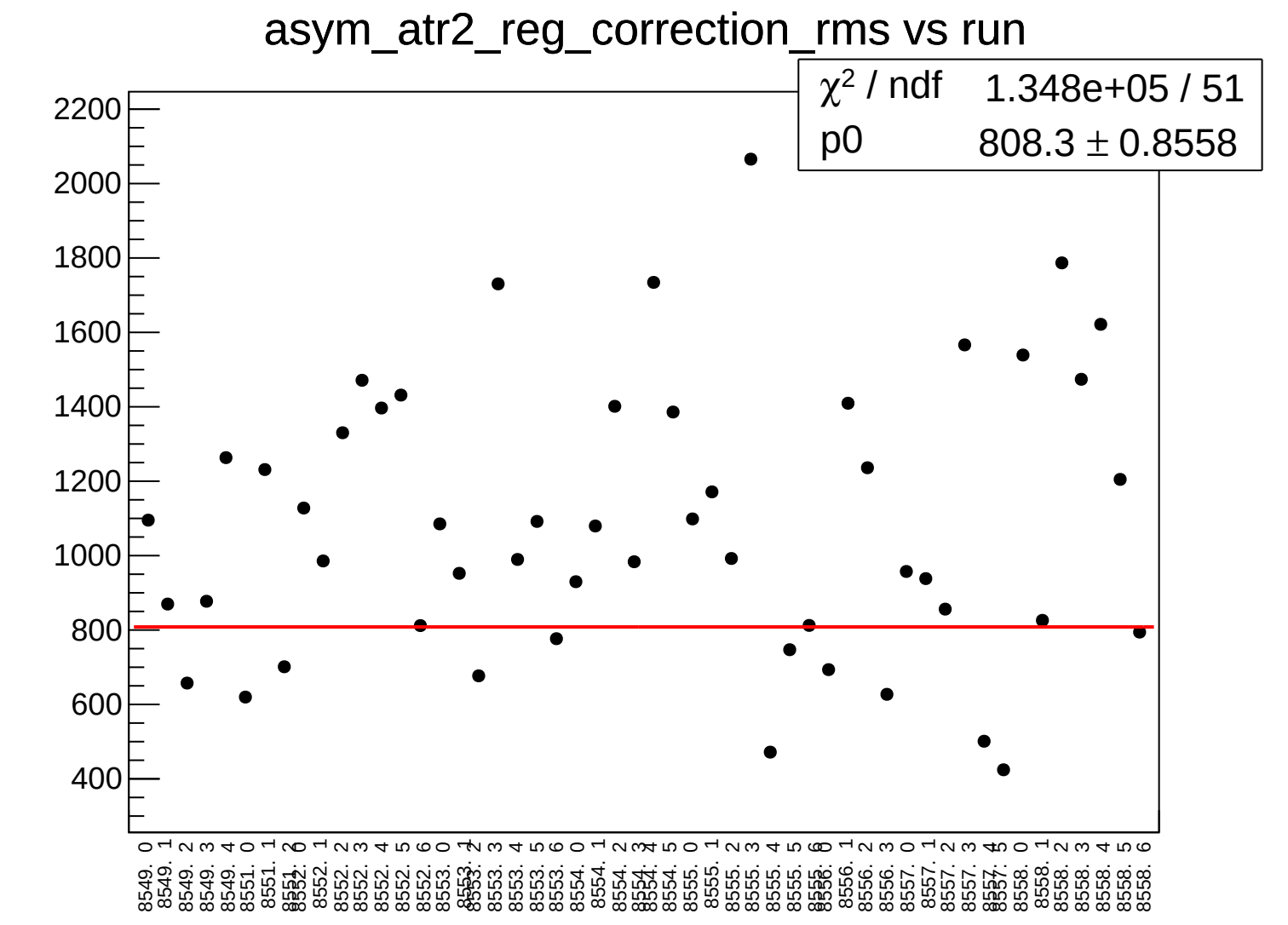

reg_asym_atr2_mean vs run
×10^3
χ² / ndf 42.39 / 51
p0 3e+04 ± 5.867e+04
pull
Entries 52
Mean 548.8
Std Dev 0


pull1D
Entries 52
Mean 0.005184
Std Dev 0.9029


reg_asym_atr2_rms vs run
χ² / ndf 474.2 / 51
p0 4.202e+04 ± 41.48
45000
44000
43000
42000
41000
40000
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6


asym_atr2_reg_correction_mean vs run
χ² / ndf 57.62 / 51
p0 3308 ± 1210
40000
20000
0
−20000
−40000
pull
Entries 52
Mean −52.65
Std Dev 0
2
1
0
−1
−2


pull1D
Entries 52
Mean 0.06603
Std Dev 1.051
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


asym_atr2_reg_correction_rms vs run
χ² / ndf 1.348e+05 / 51
p0 808.3 ± 0.8558
2200
2000
1800
1600
1400
1200
1000
800
600
400
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 5
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
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8557. 3
8558. 0
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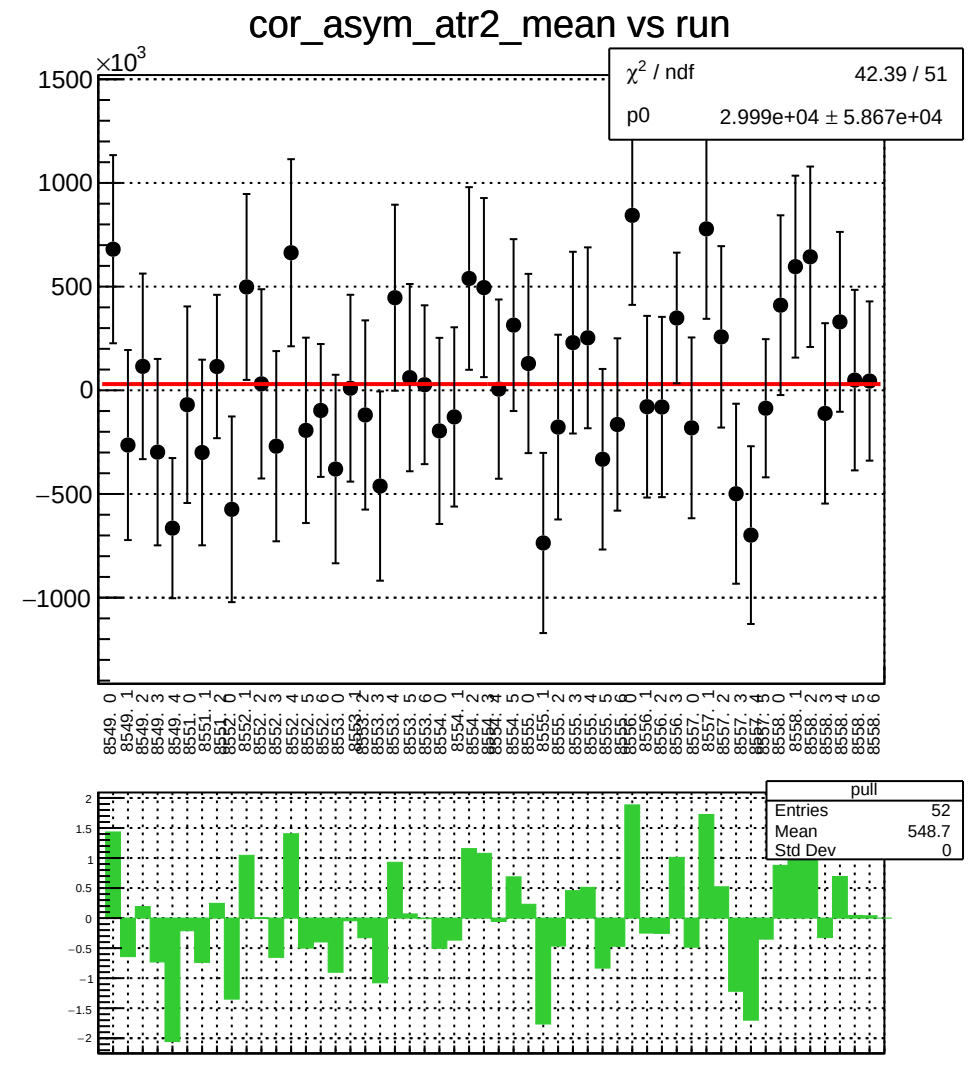
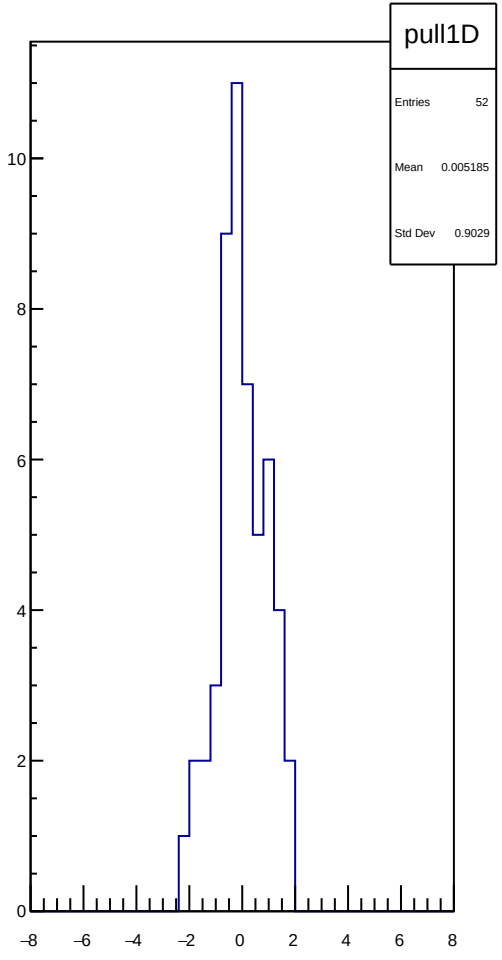
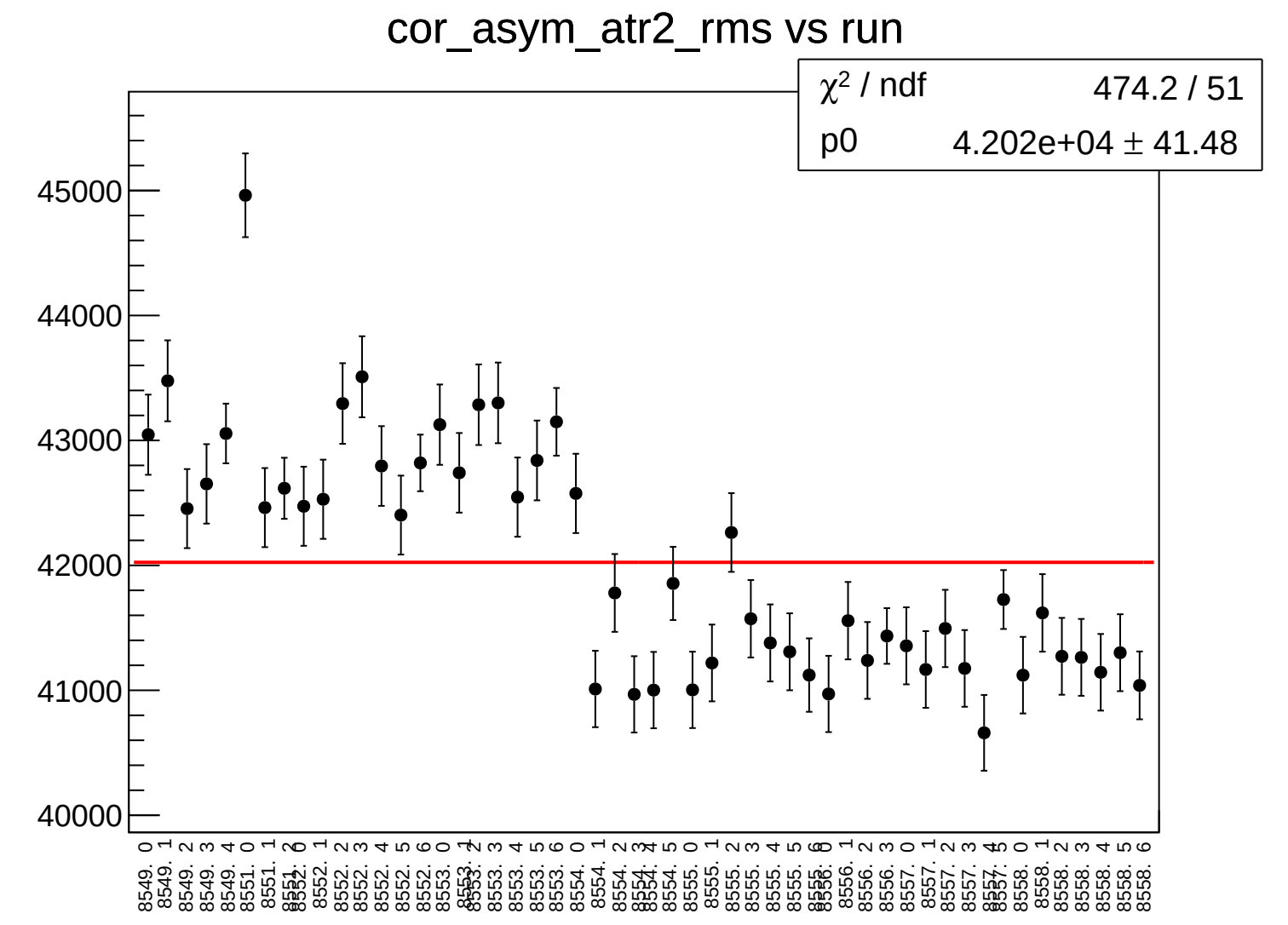
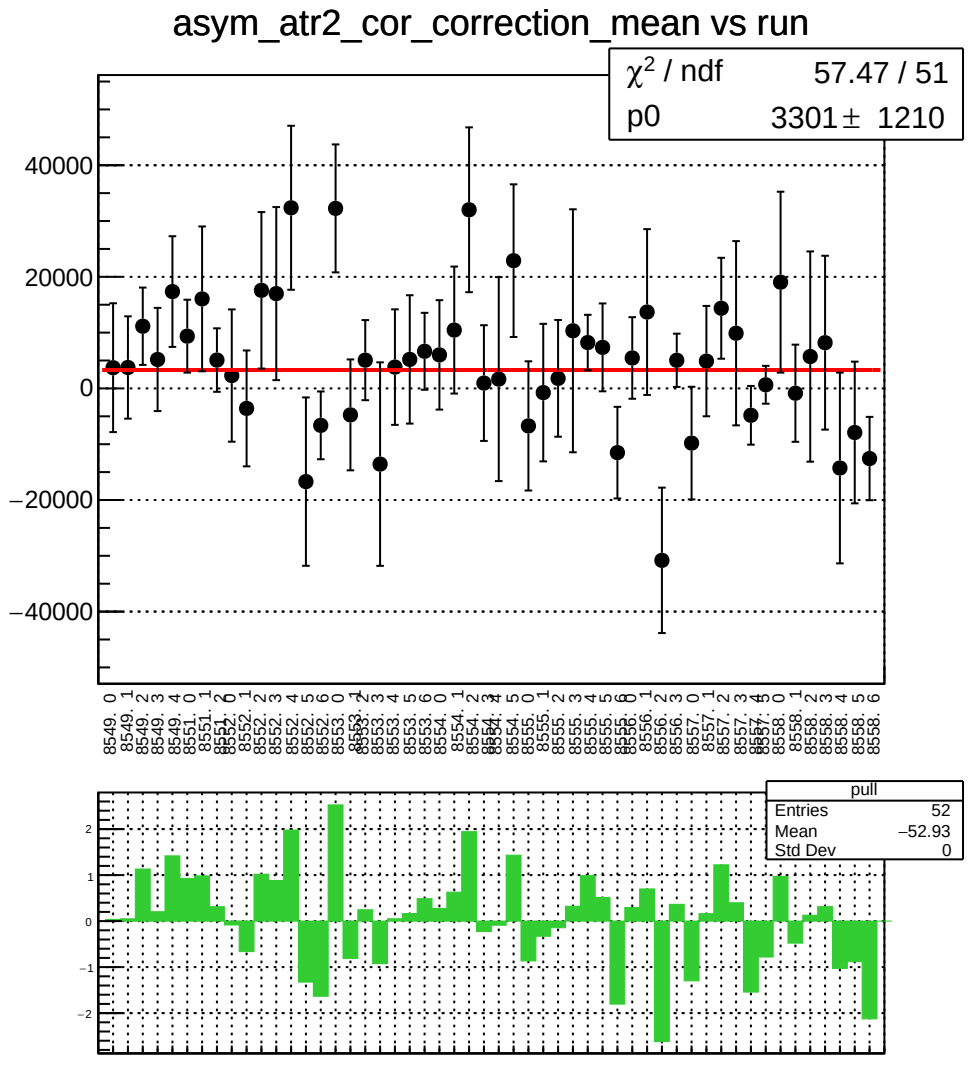
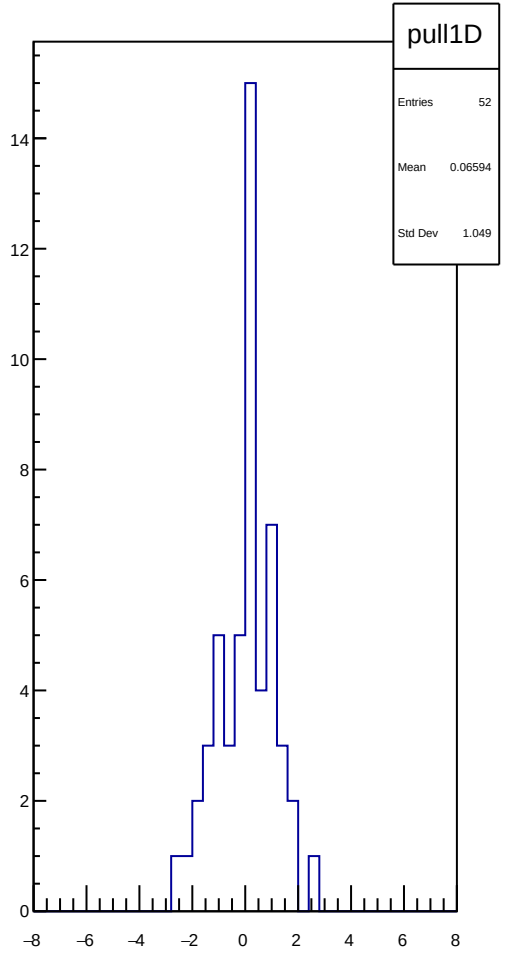
8558. 5
8558. 6

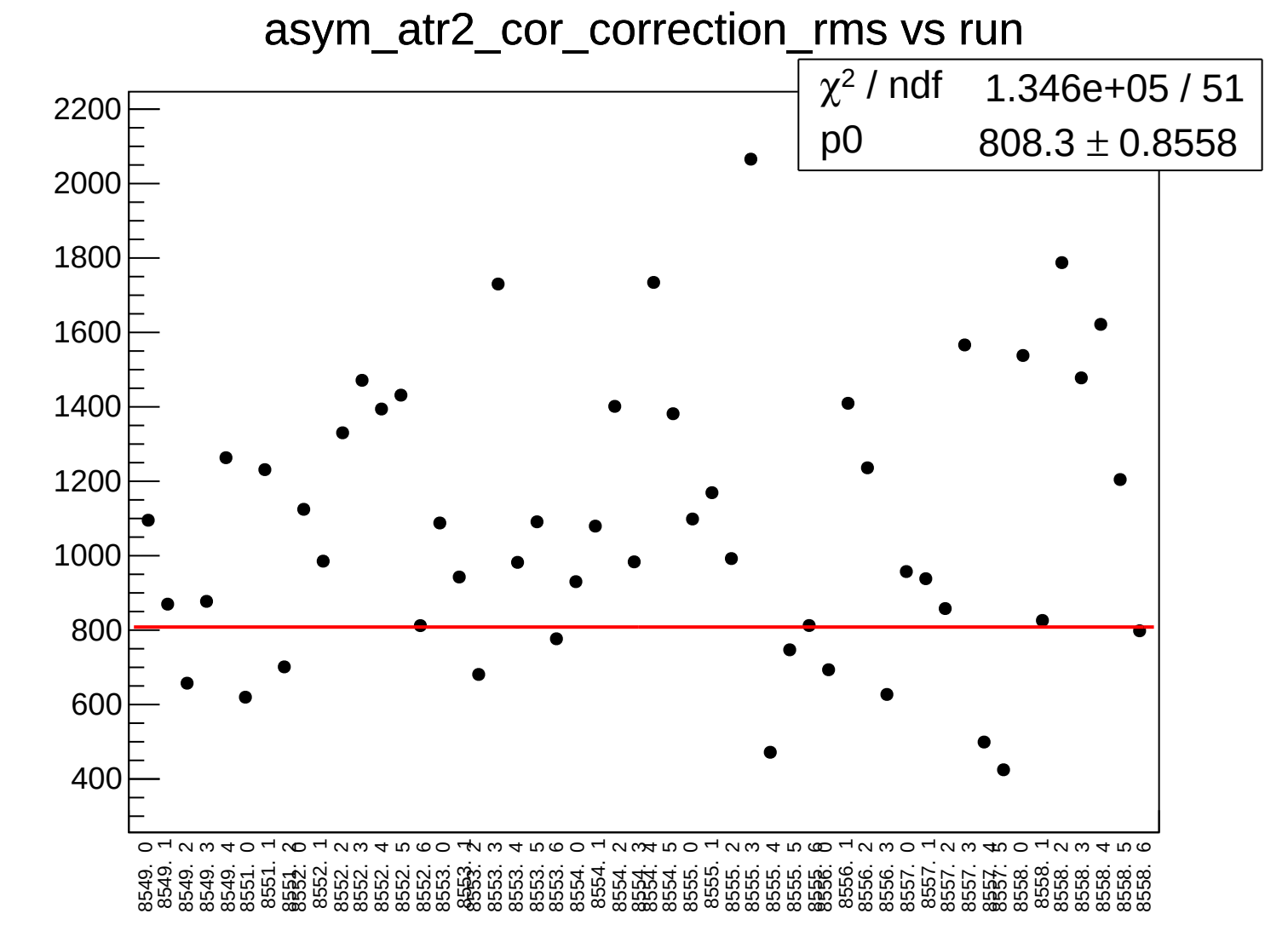

cor_asym_atr2_mean vs run
×10^3
χ² / ndf 42.39 / 51
p0 2.999e+04 ± 5.867e+04
pull
Entries 52
Mean 548.7
Std Dev 0

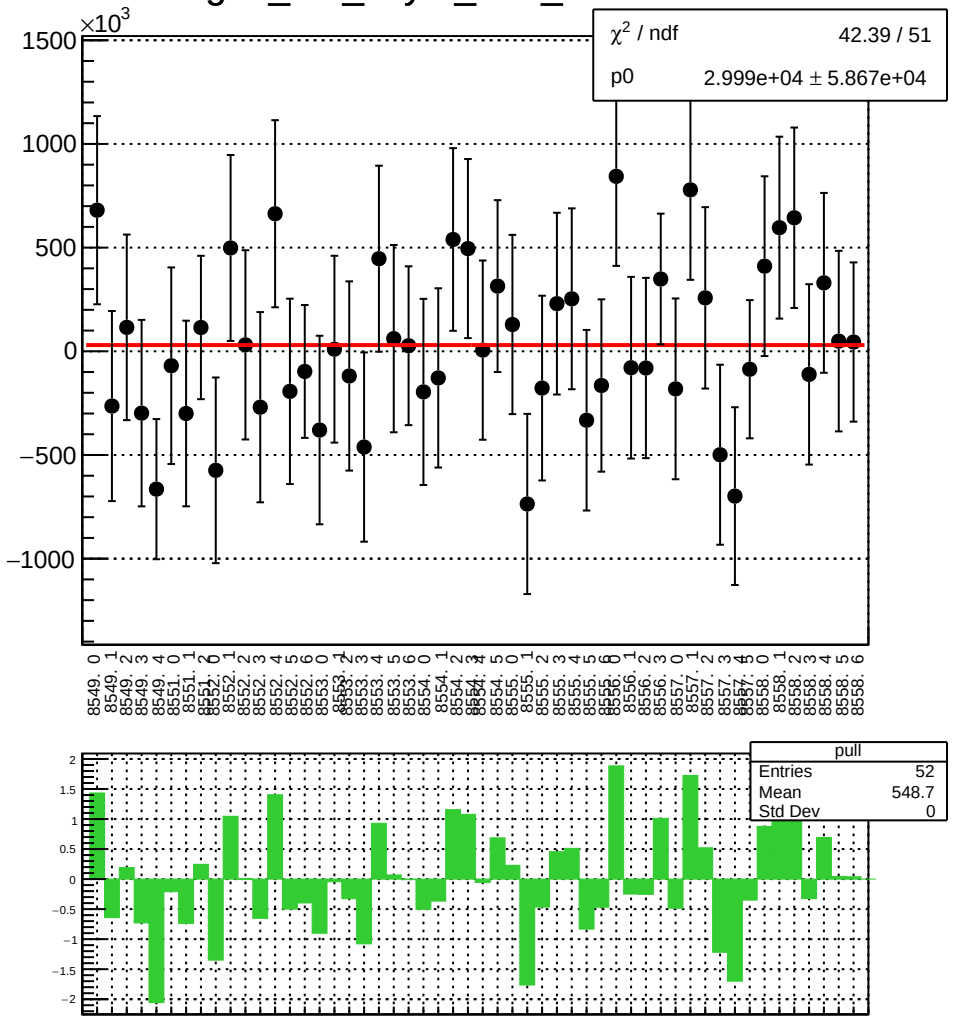

pull1D
Entries 52
Mean 0.005185
Std Dev 0.9029

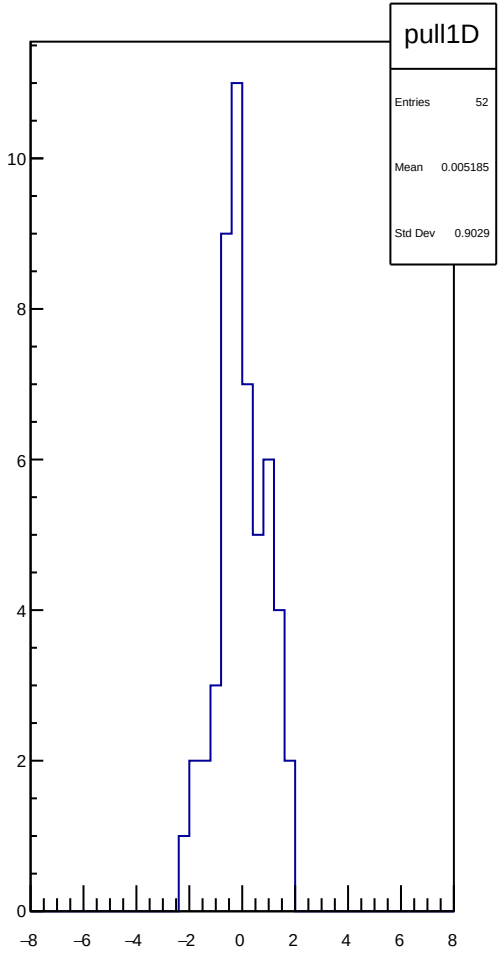

cor_asym_atr2_rms vs run
χ² / ndf 474.2 / 51
p0 4.202e+04 ± 41.48
45000
44000
43000
42000
41000
40000
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 5
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

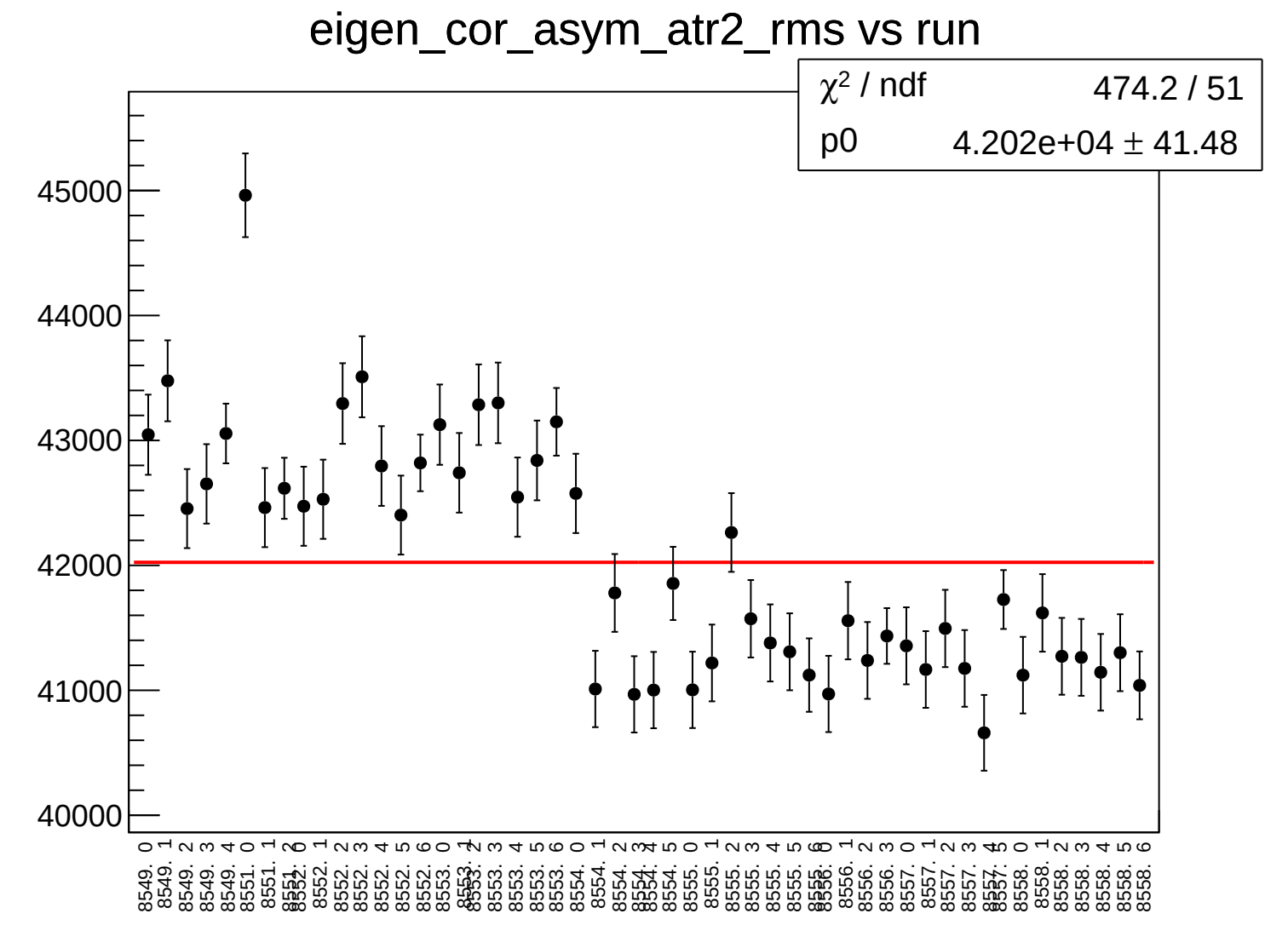

asym_atr2_cor_correction_mean vs run
χ² / ndf 57.47 / 51
p0 3301 ± 1210
40000
20000
0
−20000
−40000
pull
Entries 52
Mean −52.93
Std Dev 0
2
1
0
−1
−2


pull1D
Entries 52
Mean 0.06594
Std Dev 1.049
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


asym_atr2_cor_correction_rms vs run
χ² / ndf 1.346e+05 / 51
p0 808.3 ± 0.8558
2200
2000
1800
1600
1400
1200
1000
800
600
400
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 5
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6


eigen_cor_asym_atr2_mean vs run
×10^3
χ² / ndf 42.39 / 51
p0 2.999e+04 ± 5.867e+04
pull
Entries 52
Mean 548.7
Std Dev 0


pull1D
Entries 52
Mean 0.005185
Std Dev 0.9029


eigen_cor_asym_atr2_rms vs run
χ² / ndf 474.2 / 51
p0 4.202e+04 ± 41.48
45000
44000
43000
42000
41000
40000
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
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8555. 1
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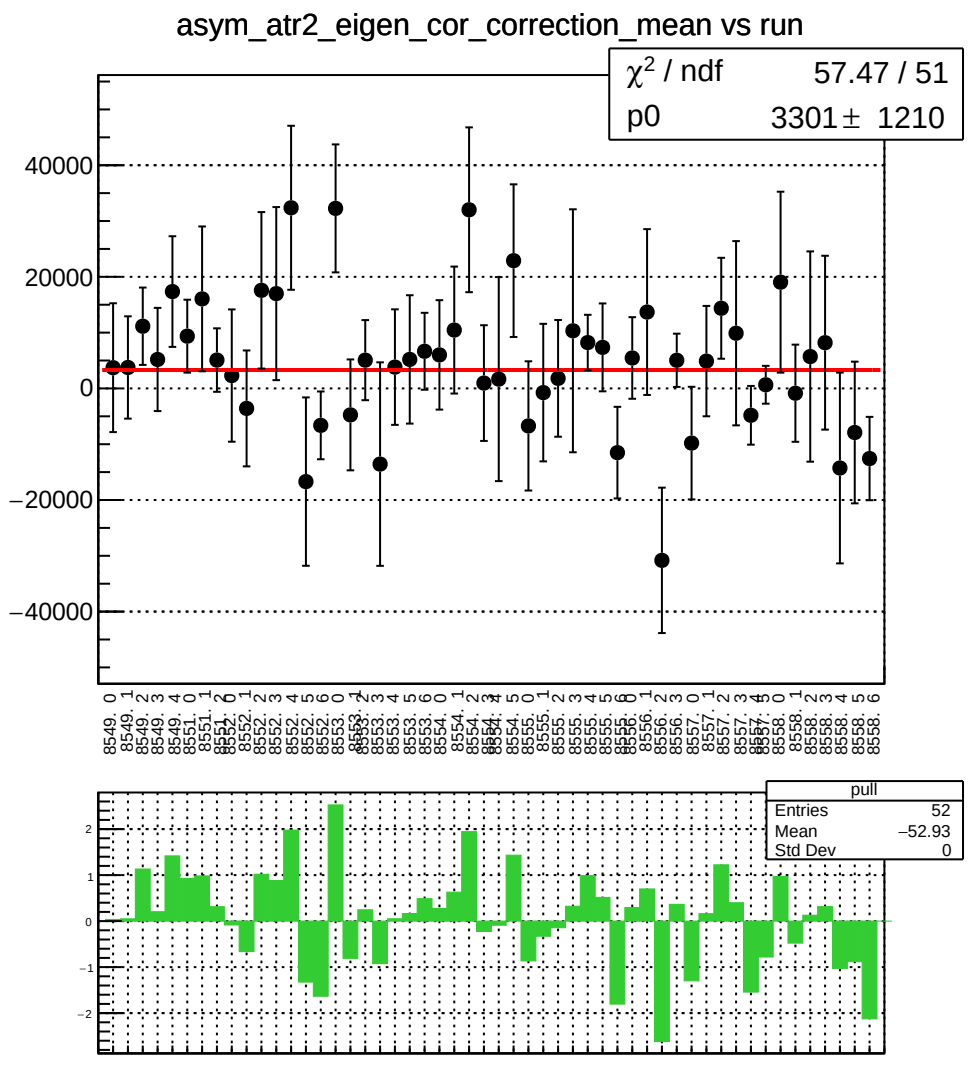
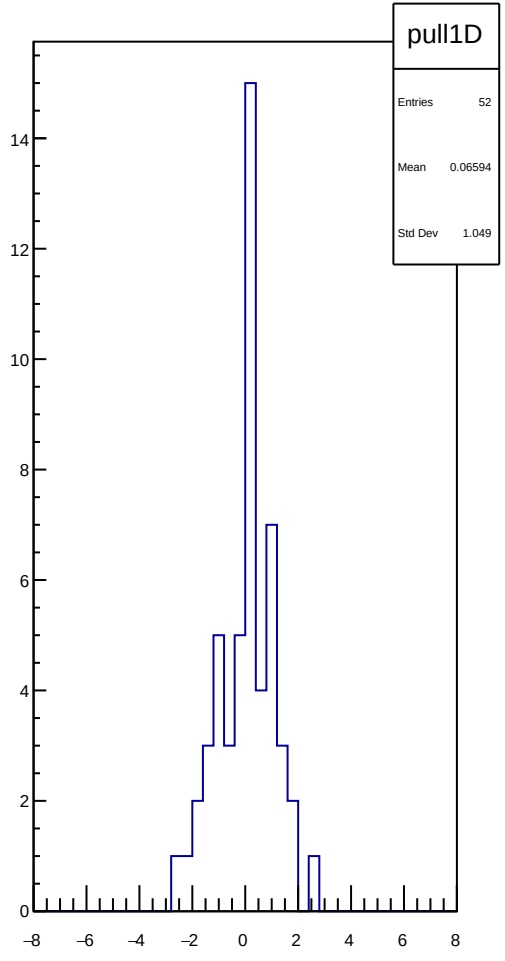
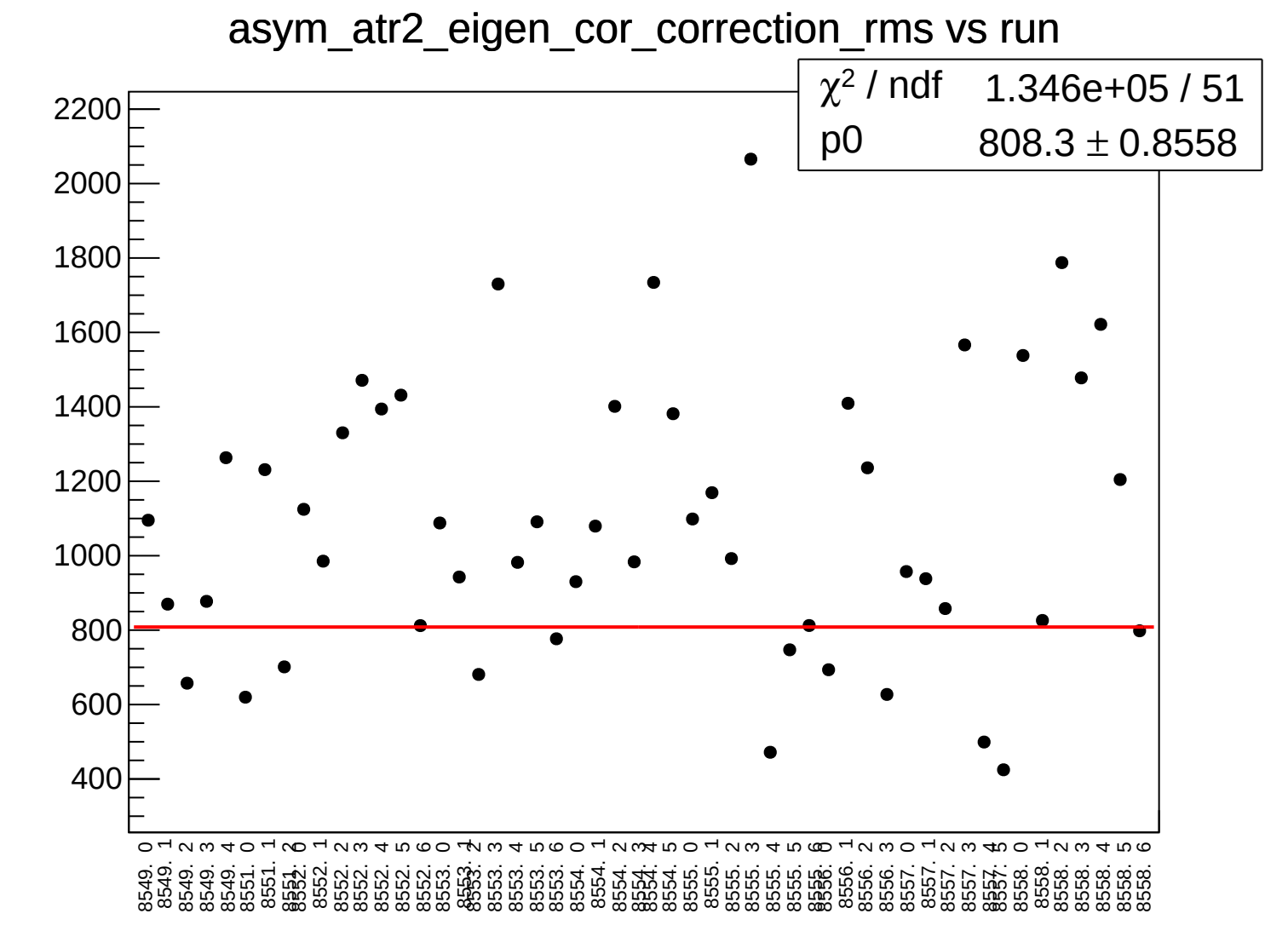
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6


asym_atr2_eigen_cor_correction_mean vs run
χ² / ndf 57.47 / 51
p0 3301 ± 1210
40000
20000
0
−20000
−40000
pull
Entries 52
Mean −52.93
Std Dev 0
2
1
0
−1
−2


pull1D
Entries 52
Mean 0.06594
Std Dev 1.049
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


asym_atr2_eigen_cor_correction_rms vs run
χ² / ndf 1.346e+05 / 51
p0 808.3 ± 0.8558
2200
2000
1800
1600
1400
1200
1000
800
600
400
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 5
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
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8558. 0
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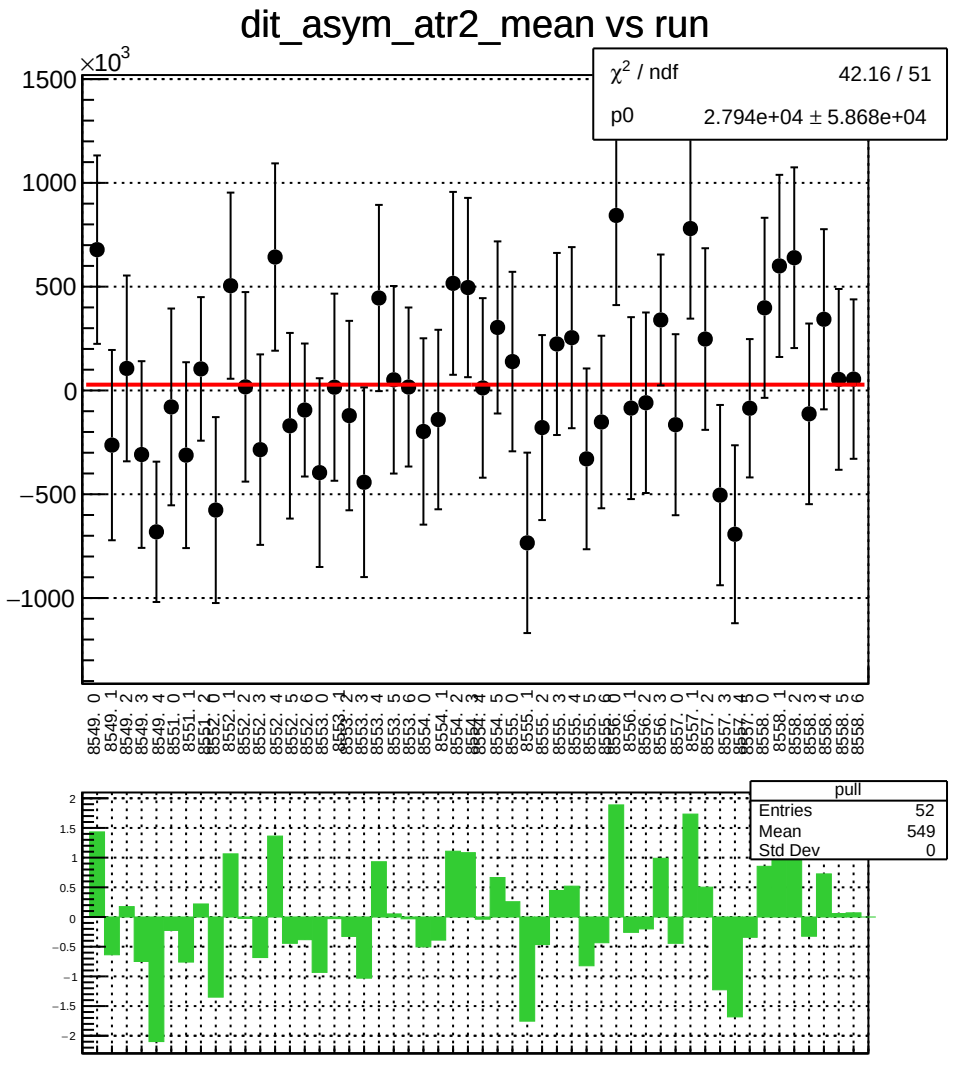
8558. 5
8558. 6


dit_asym_atr2_mean vs run
×10^3
1500
1000
500
0
−500
−1000
χ² / ndf 42.16 / 51
p0 2.794e+04 ± 5.868e+04
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8551. 2
8551. 6
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 1
8553. 2
8553. 3
8553. 4
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8554. 4
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8555. 2
8555. 3
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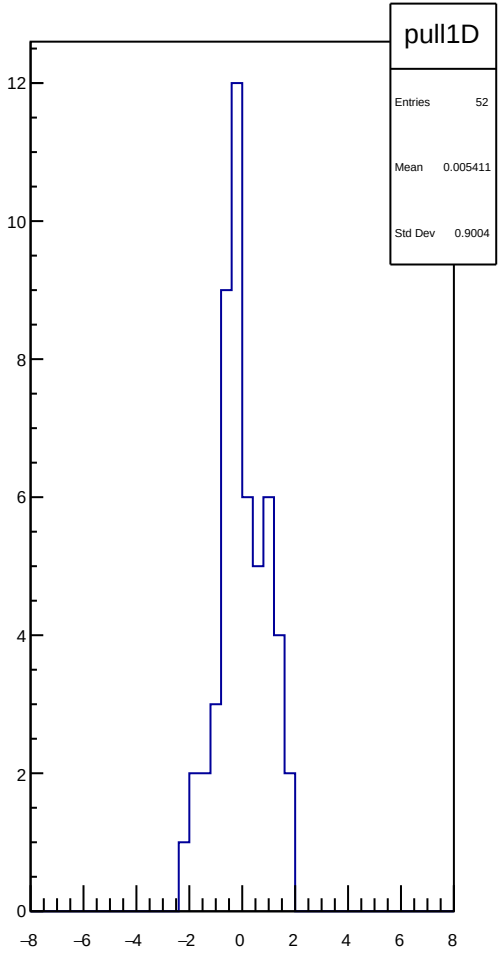
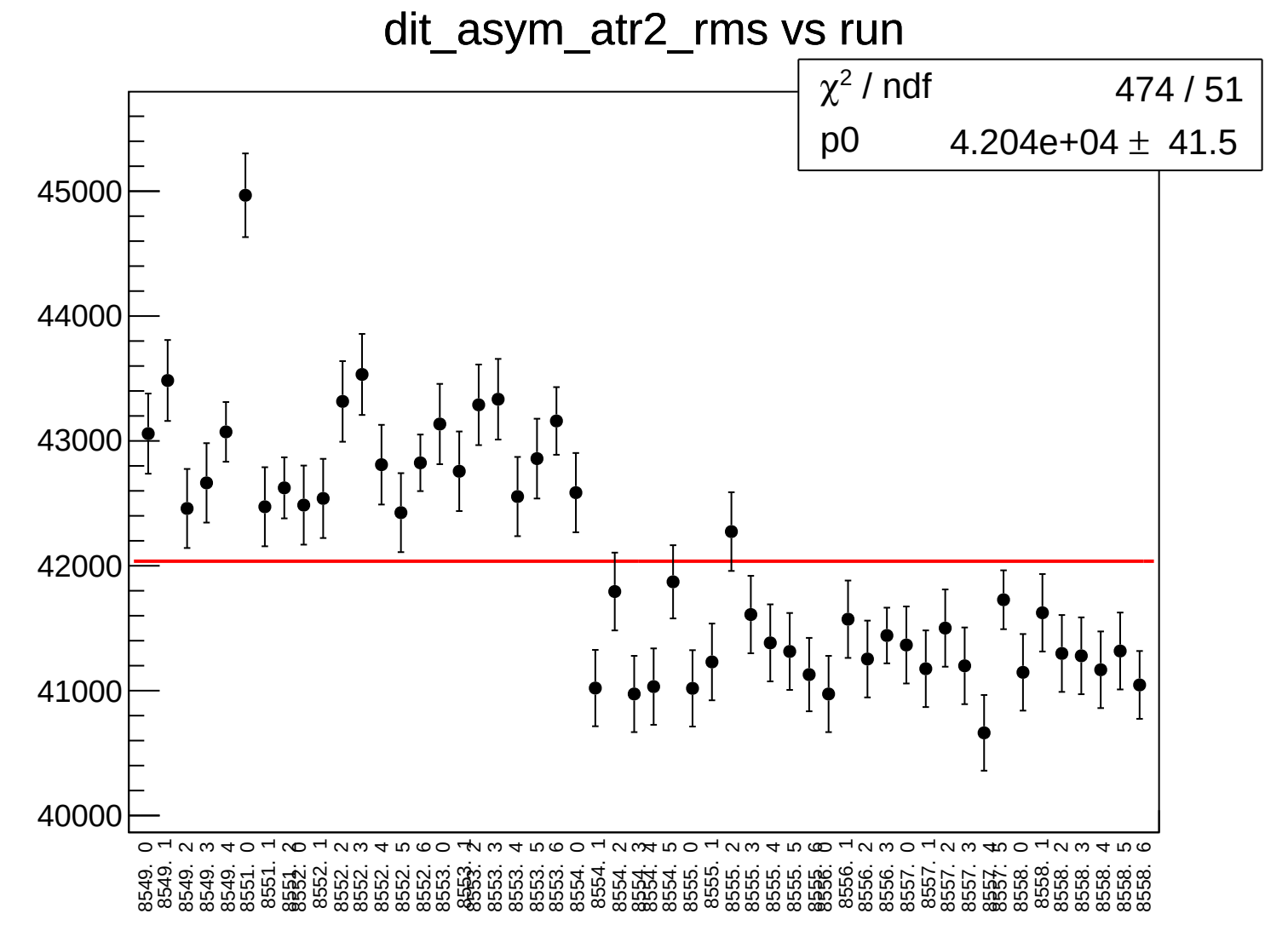
8555. 5
8555. 6
8556. 0
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8557. 4
8557. 5
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6
pull
Entries 52
Mean 549
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2


pull1D
Entries 52
Mean 0.005411
Std Dev 0.9004
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


dit_asym_atr2_rms vs run
χ² / ndf 474 / 51
p0 4.204e+04 ± 41.5
45000
44000
43000
42000
41000
40000
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 2
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 5
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
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8558. 0
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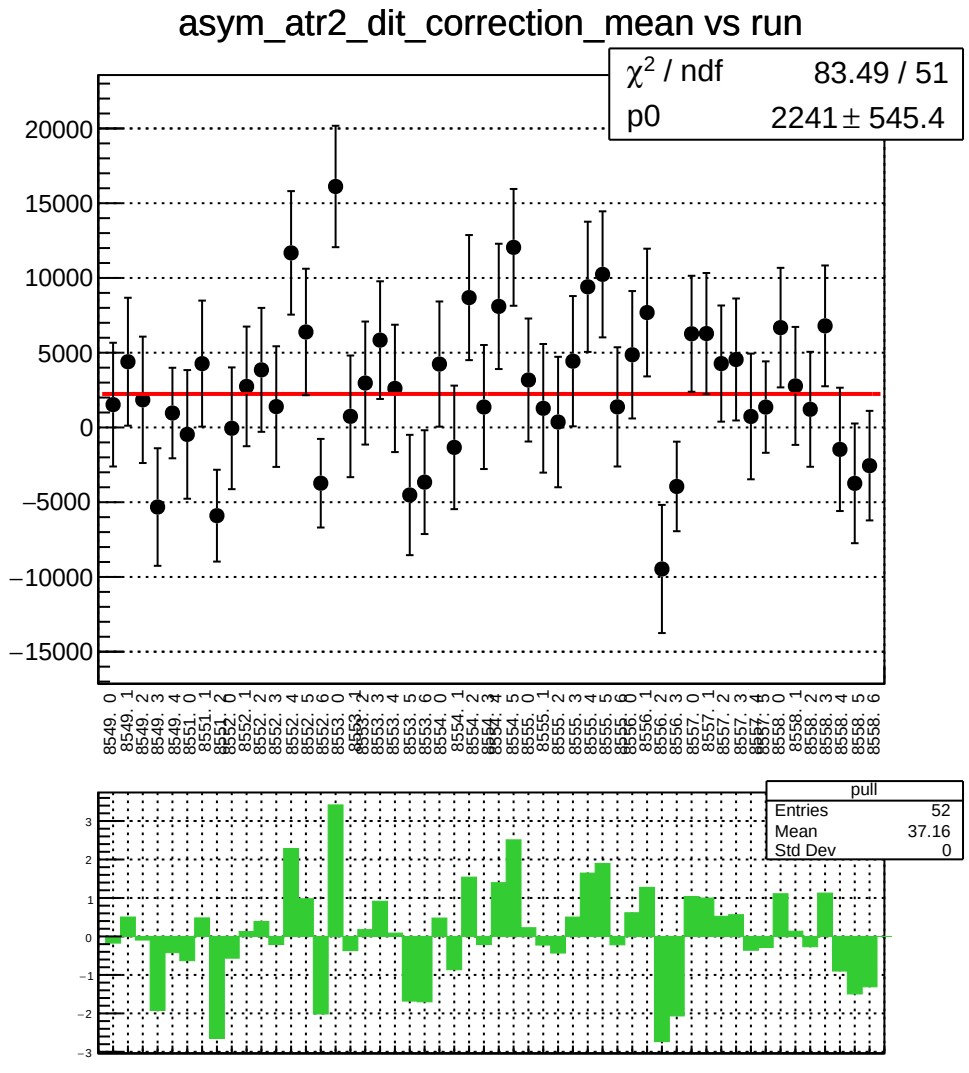
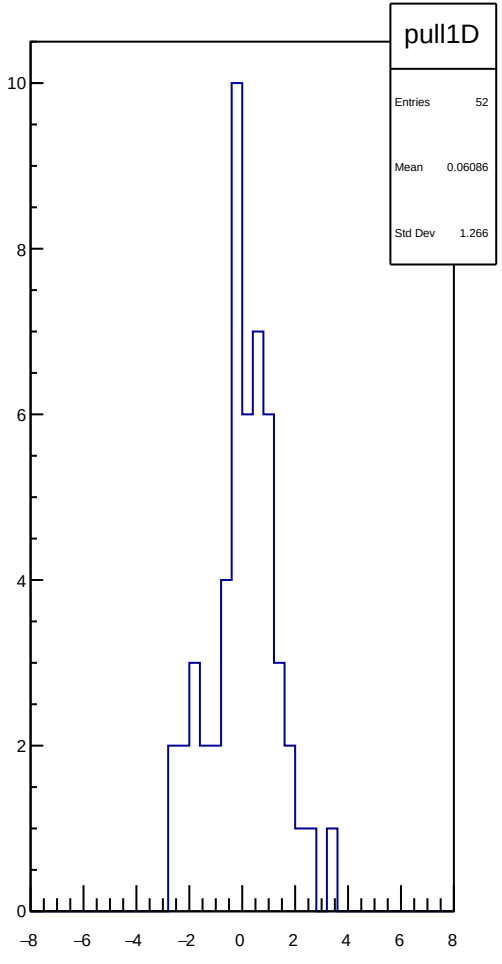
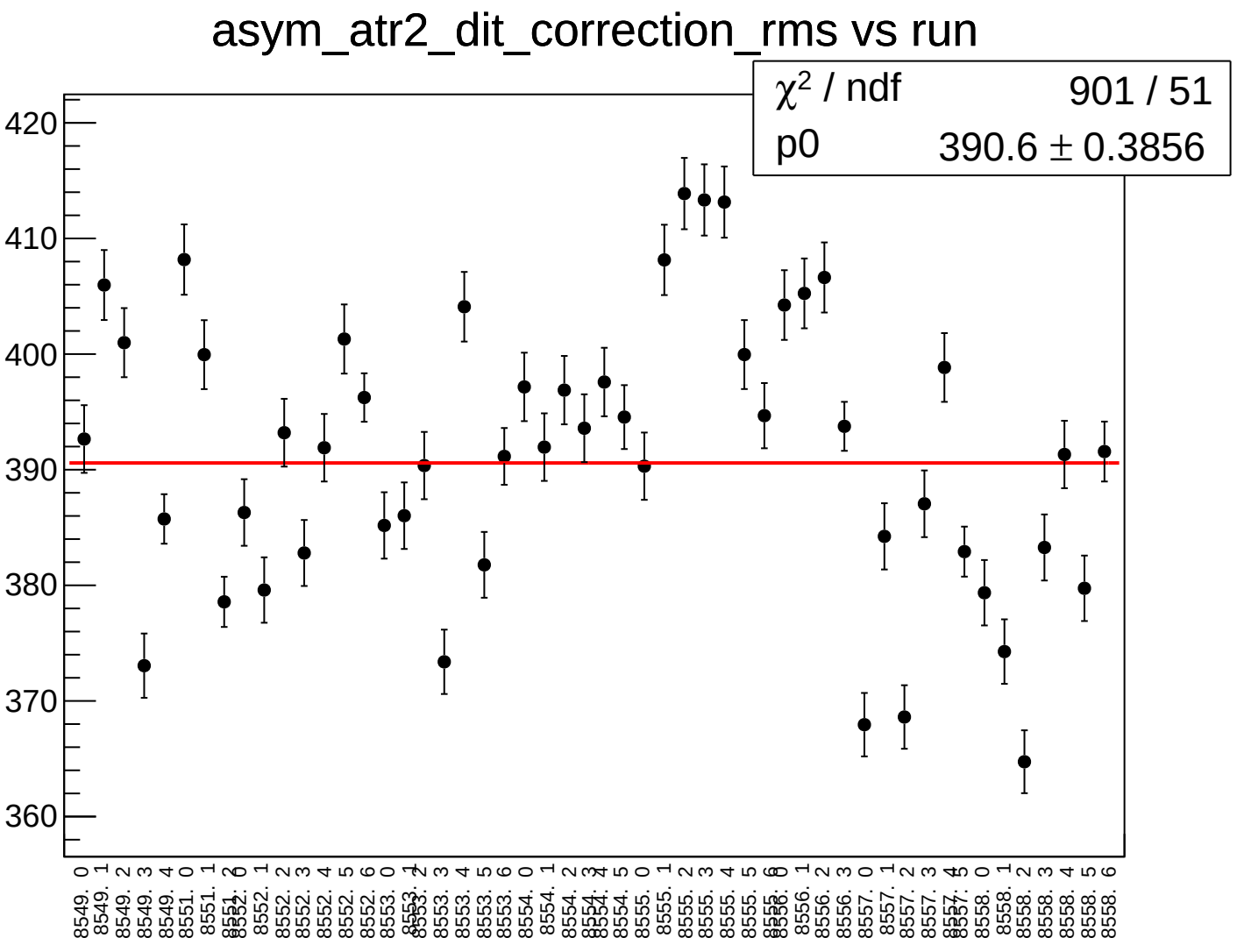
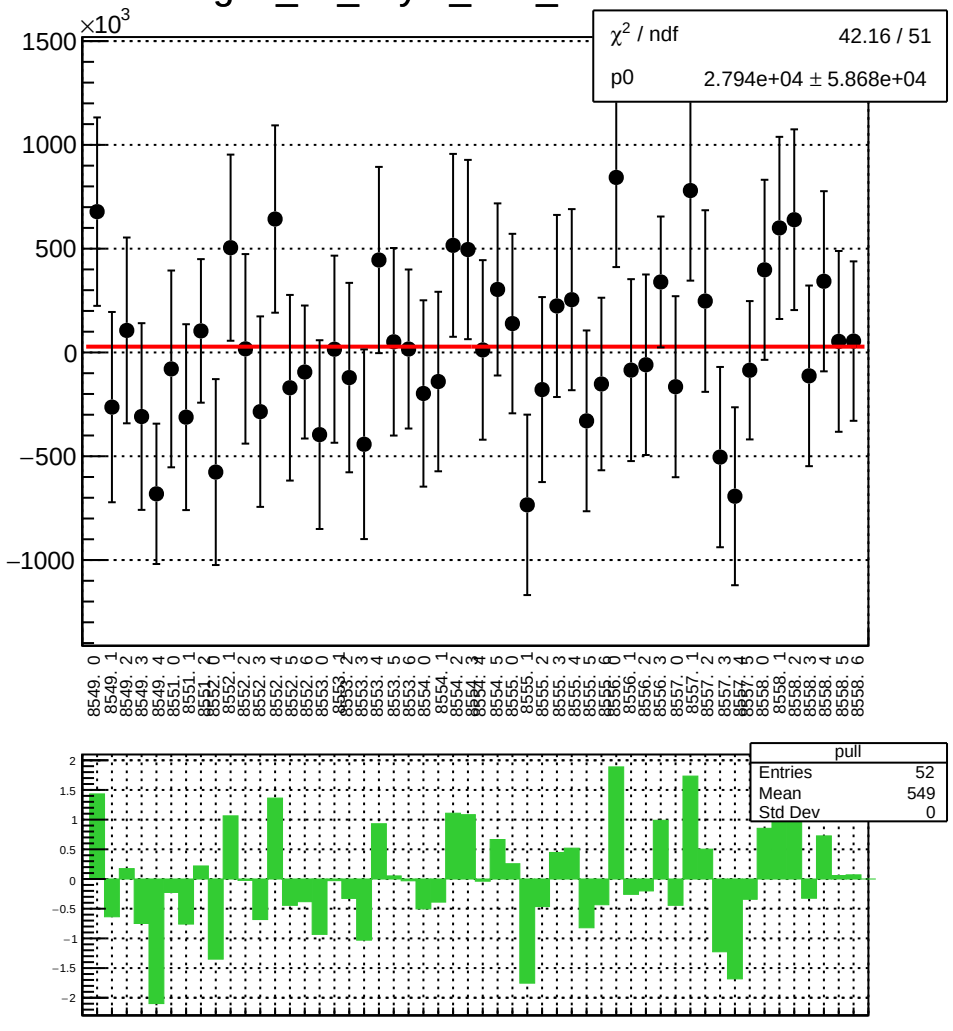
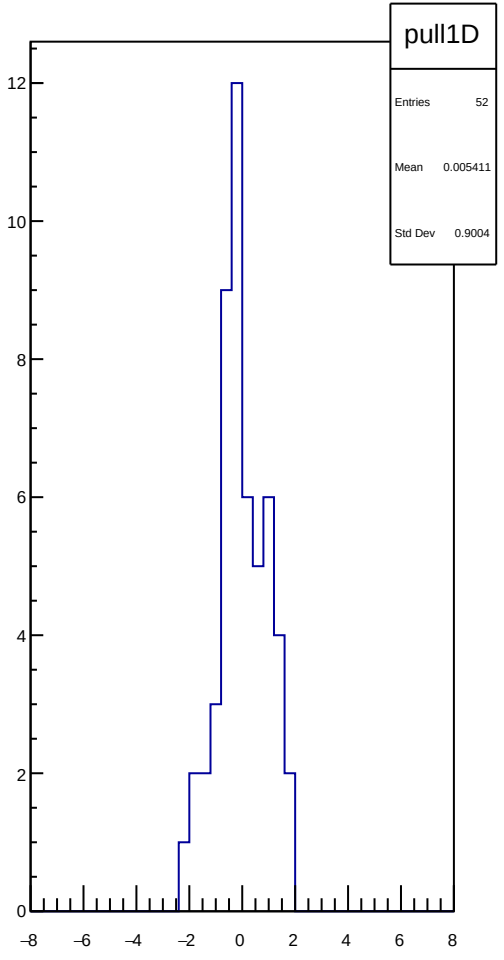
8558. 5
8558. 6

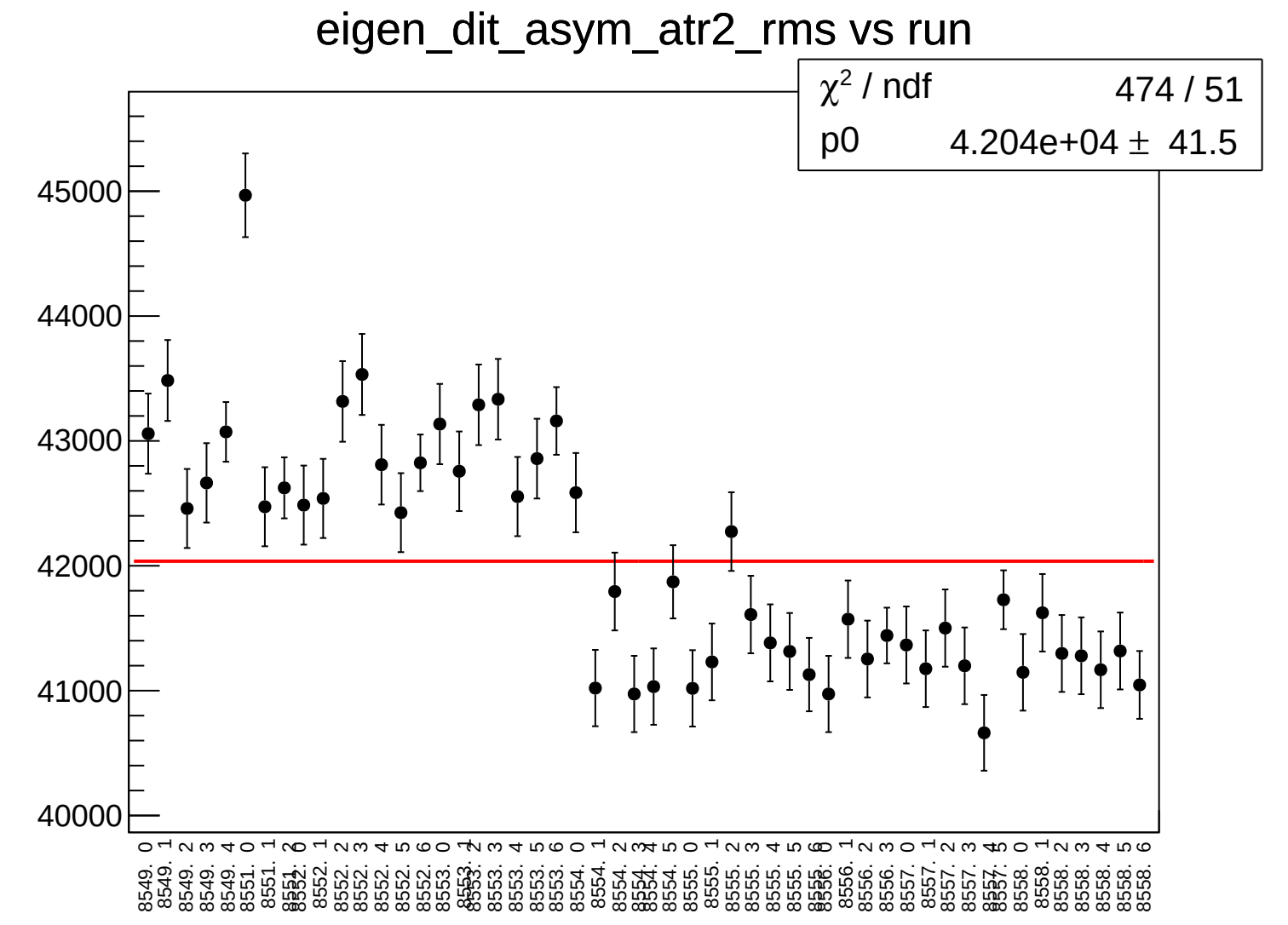

asym_atr2_dit_correction_mean vs run
χ² / ndf 83.49 / 51
p0 2241 ± 545.4
pull
Entries 52
Mean 37.16
Std Dev 0

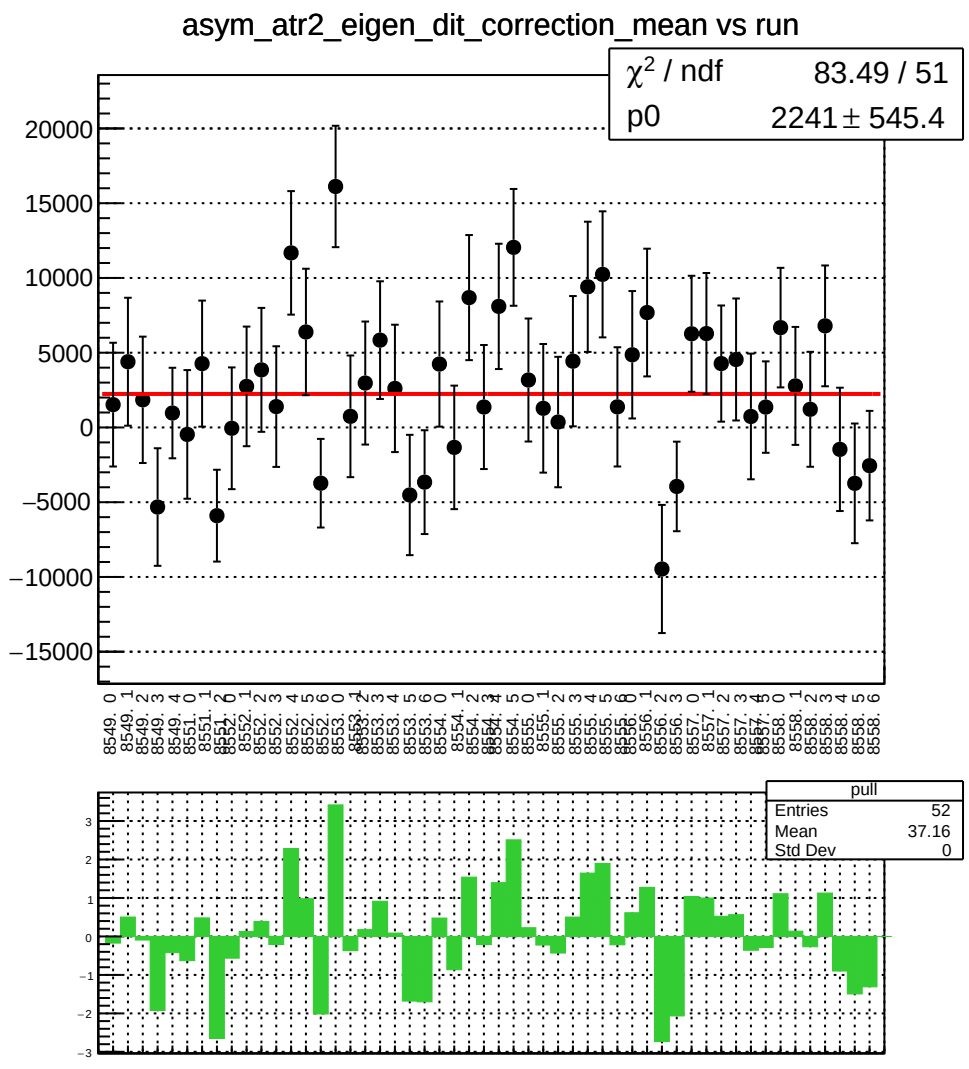

pull1D
Entries 52
Mean 0.06086
Std Dev 1.266

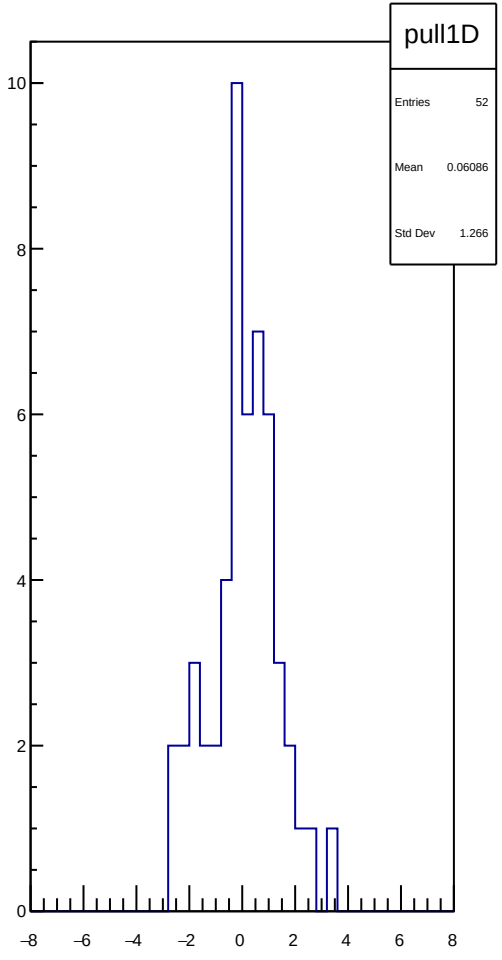

asym_atr2_dit_correction_rms vs run
χ² / ndf 901 / 51
p0 390.6 ± 0.3856
420
410
400
390
380
370
360
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

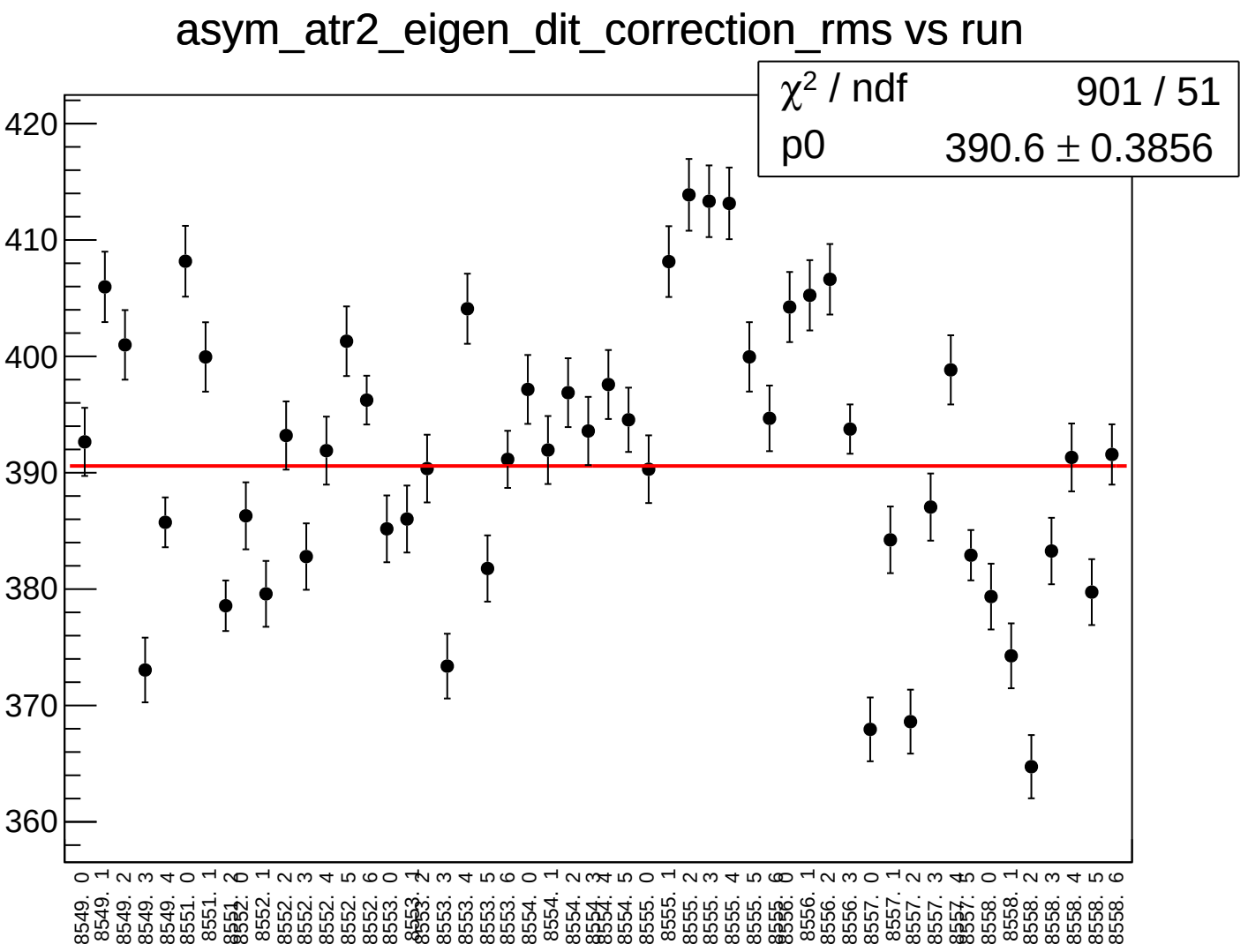

eigen_dit_asym_atr2_mean vs run
×10^3
χ² / ndf 42.16 / 51
p0 2.794e+04 ± 5.868e+04
pull
Entries 52
Mean 549
Std Dev 0


pull1D
Entries 52
Mean 0.005411
Std Dev 0.9004


eigen_dit_asym_atr2_rms vs run
χ² / ndf 474 / 51
p0 4.204e+04 ± 41.5
45000
44000
43000
42000
41000
40000
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 2
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 5
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6


asym_atr2_eigen_dit_correction_mean vs run
χ² / ndf 83.49 / 51
p0 2241 ± 545.4
pull
Entries 52
Mean 37.16
Std Dev 0


pull1D
Entries 52
Mean 0.06086
Std Dev 1.266


asym_atr2_eigen_dit_correction_rms vs run
χ² / ndf 901 / 51
p0 390.6 ± 0.3856
420
410
400
390
380
370
360
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
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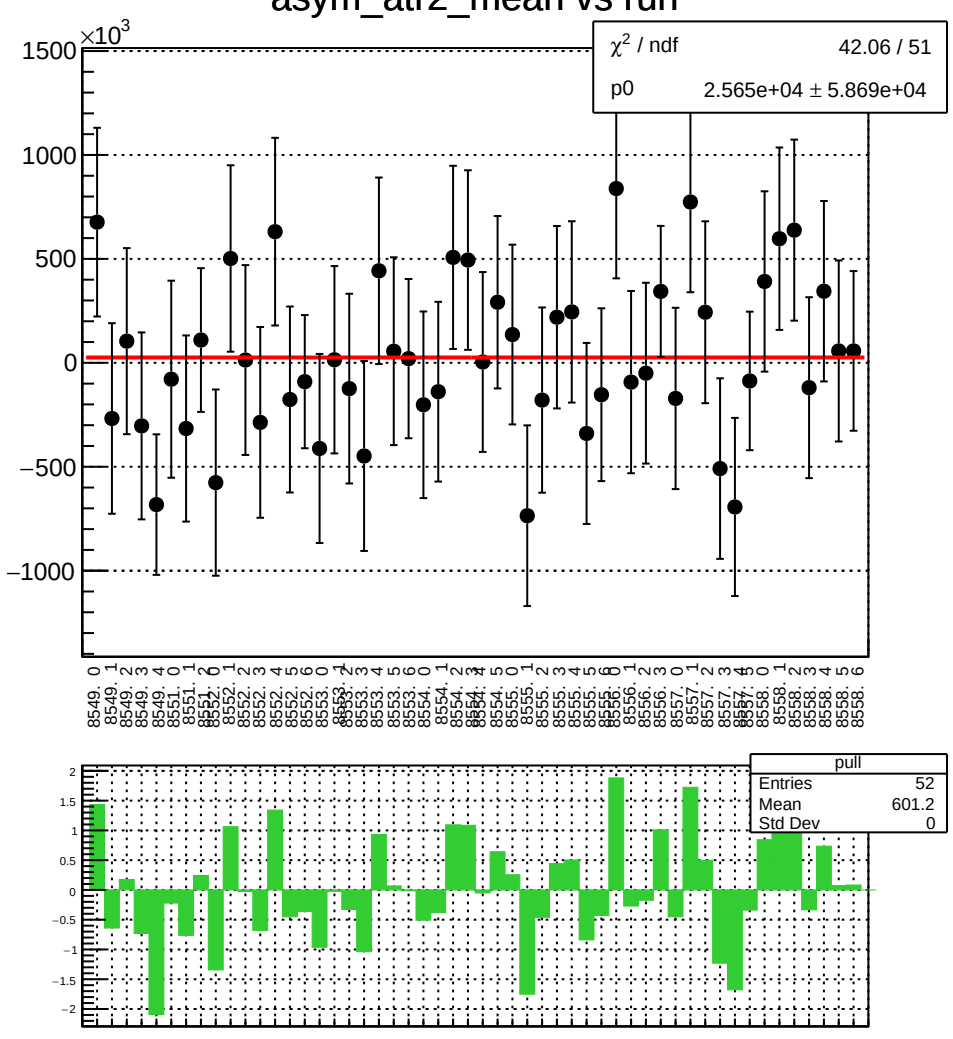
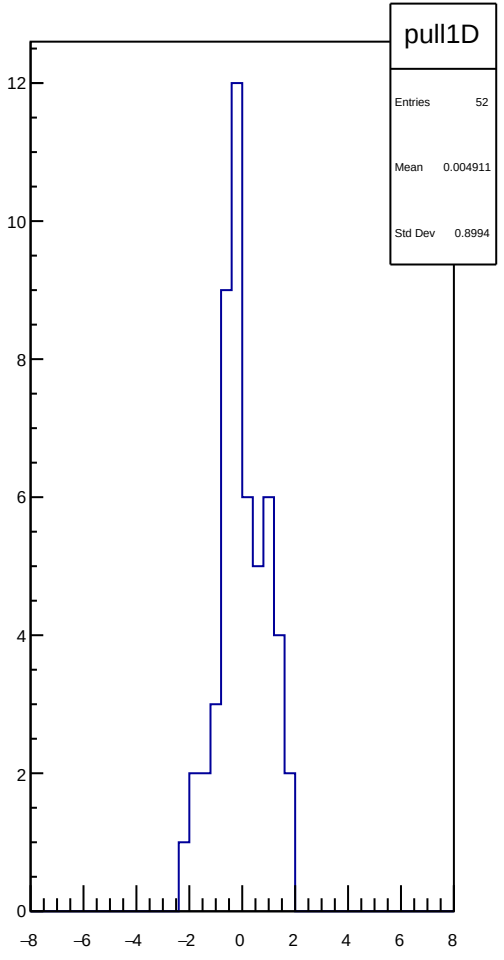
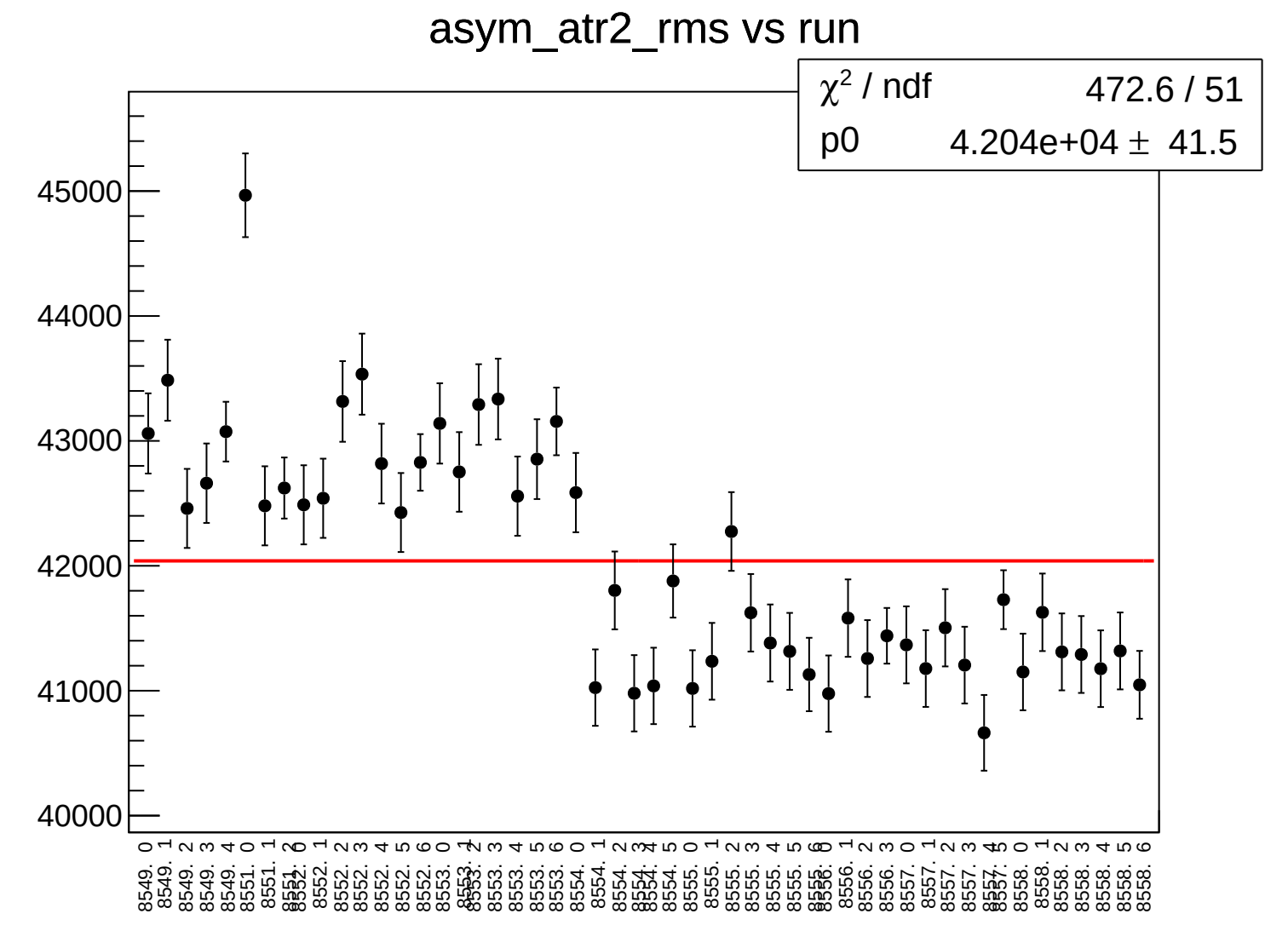
8558. 4
8558. 5
8558. 6


asym_atr2_mean vs run
×10^3
χ² / ndf 42.06 / 51
p0 2.565e+04 ± 5.869e+04
pull
Entries 52
Mean 601.2
Std Dev 0


pull1D
Entries 52
Mean 0.004911
Std Dev 0.8994


asym_atr2_rms vs run
χ² / ndf 472.6 / 51
p0 4.204e+04 ± 41.5
45000
44000
43000
42000
41000
40000
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
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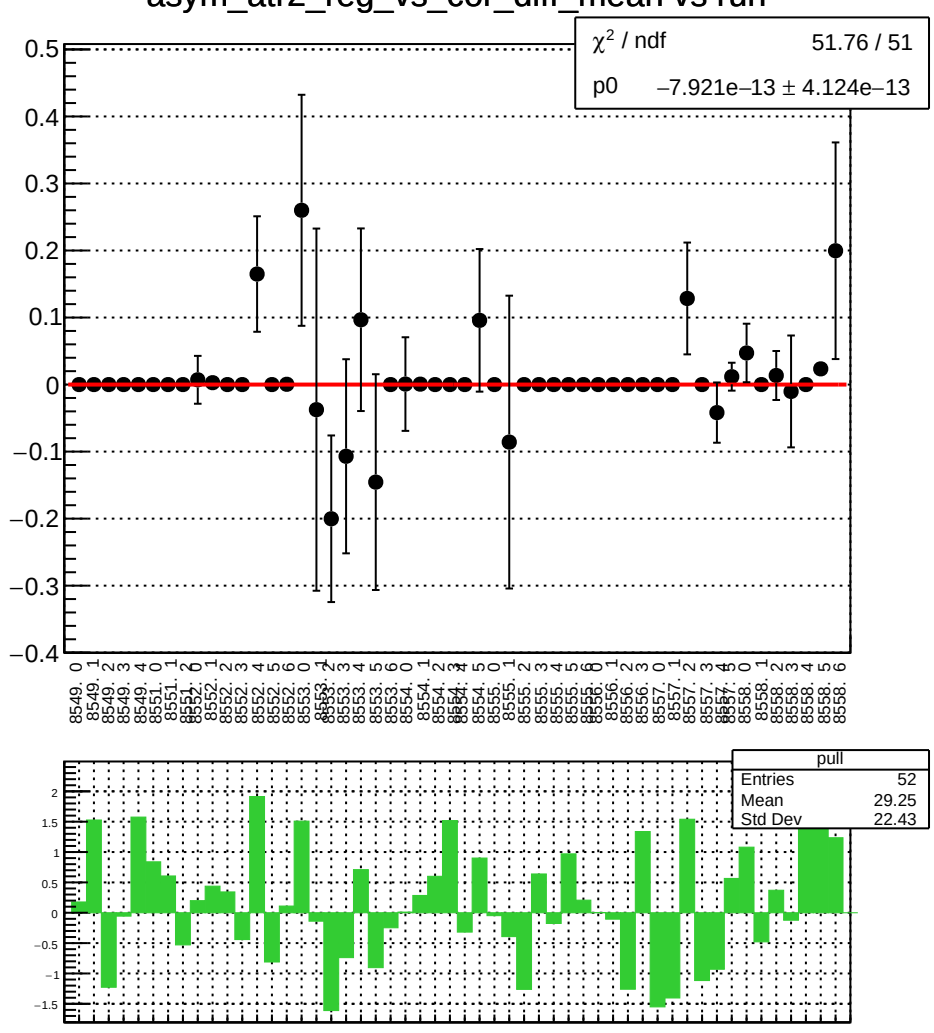
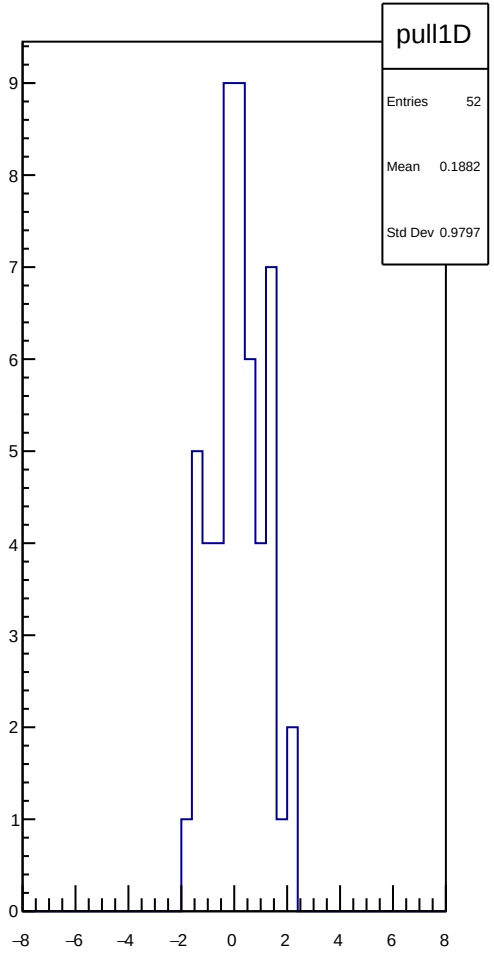
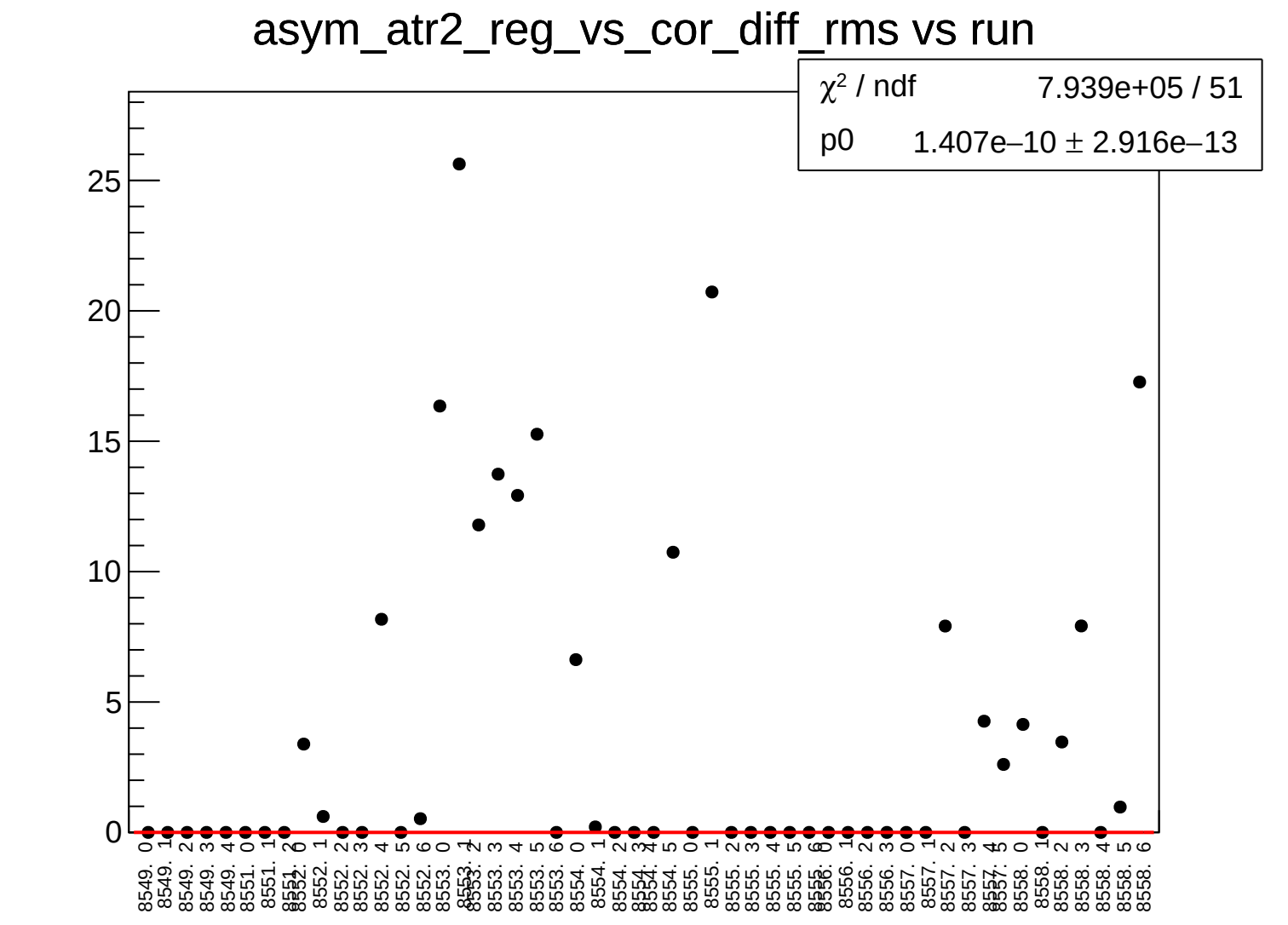
8558. 5
8558. 6


asym_atr2_reg_vs_cor_diff_mean vs run
χ² / ndf 51.76 / 51
p0 −7.921e−13 ± 4.124e−13
pull
Entries 52
Mean 29.25
Std Dev 22.43


pull1D
Entries 52
Mean 0.1882
Std Dev 0.9797


asym_atr2_reg_vs_cor_diff_rms vs run
χ² / ndf 7.939e+05 / 51
p0 1.407e−10 ± 2.916e−13
25
20
15
10
5
0
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8549. 5
8549. 6
8551. 0
8551. 1
8551. 2
8552. 0
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
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8553. 2
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8553. 5
8553. 6
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8554. 2
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8554. 4
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8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8555. 6
8556. 0
8556. 1
8556. 2
8556. 3
8557. 0
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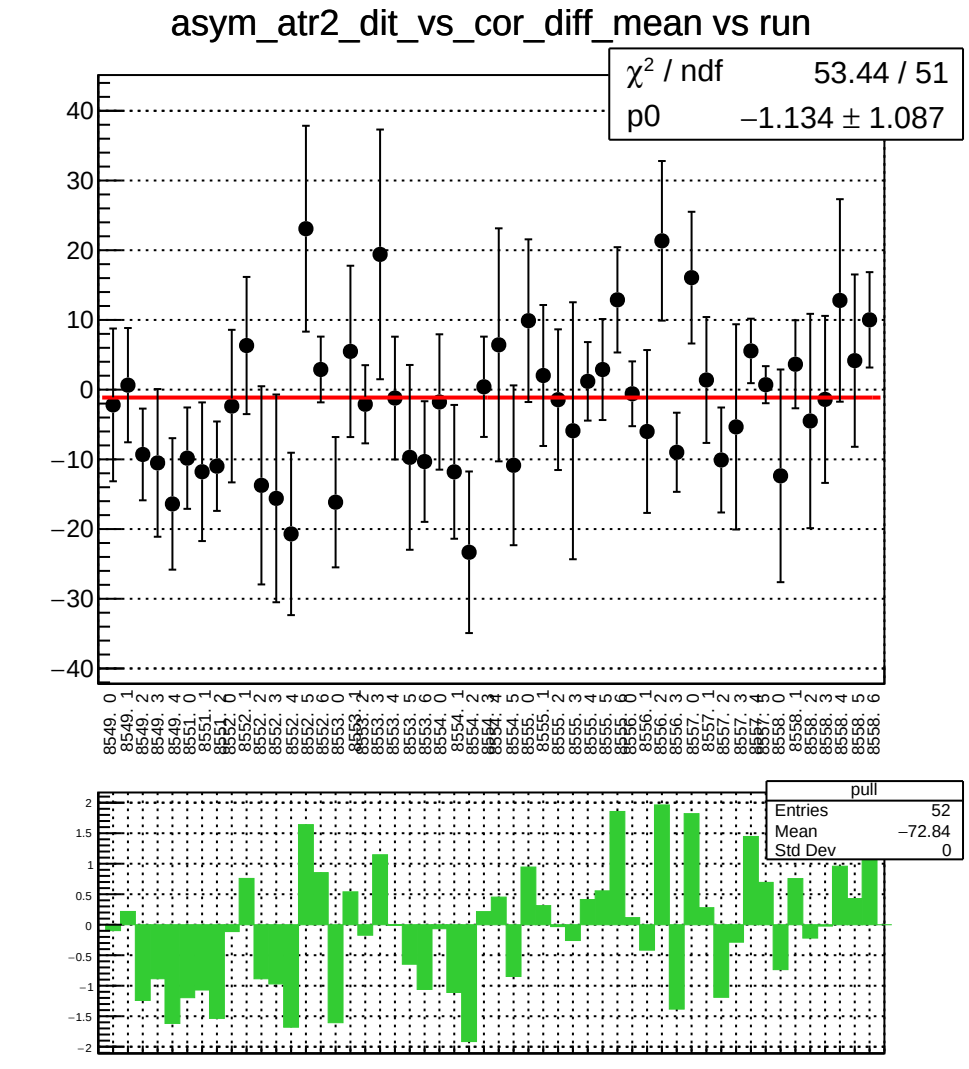
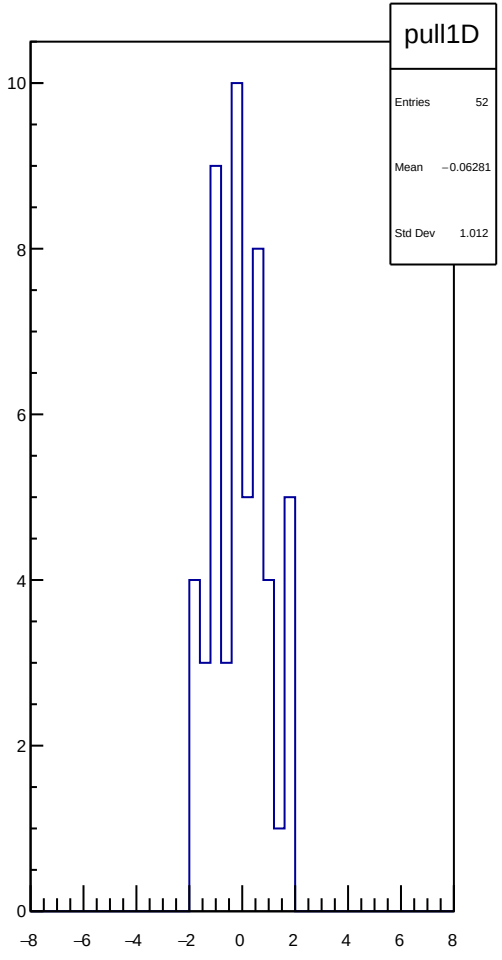
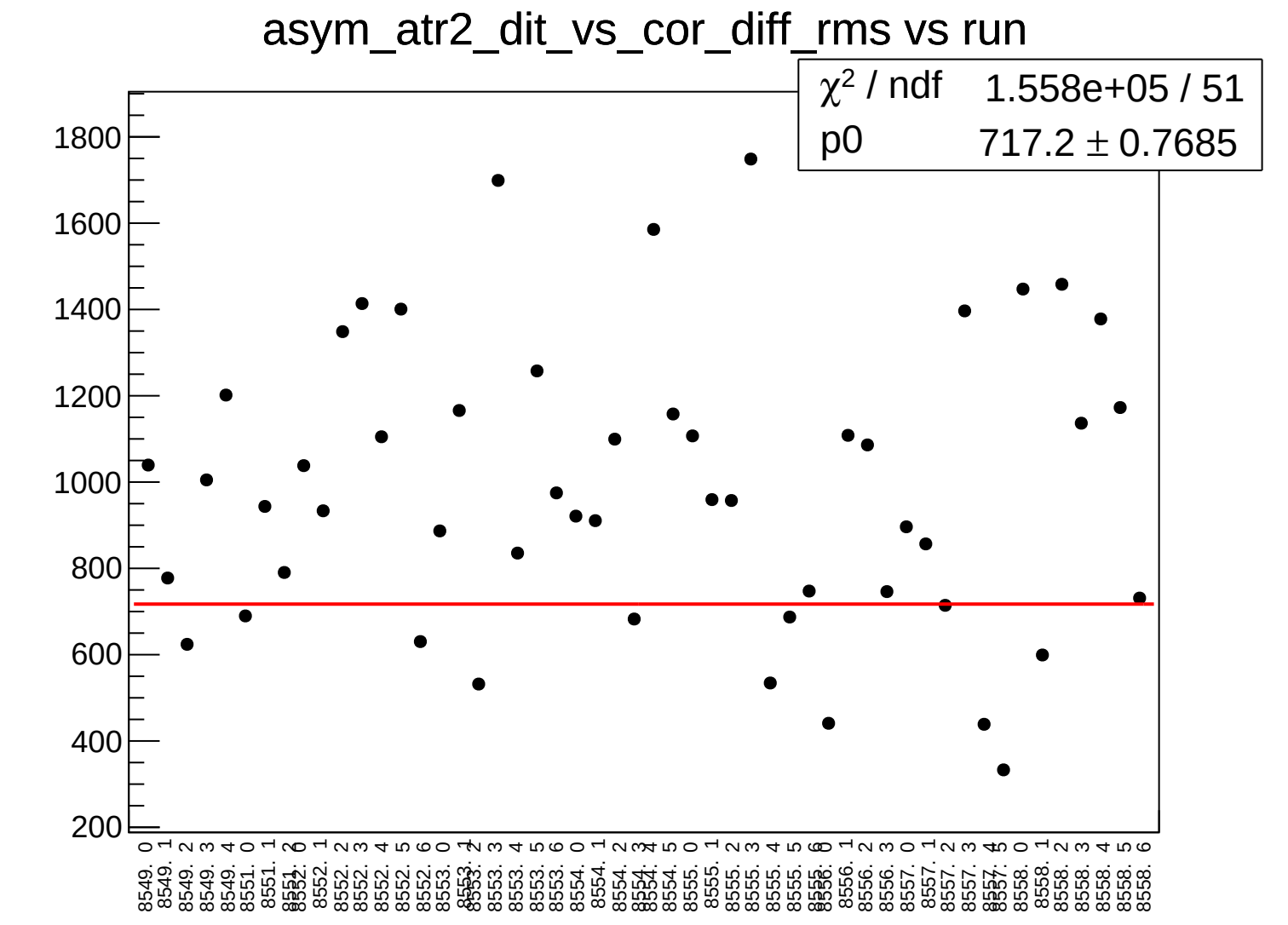
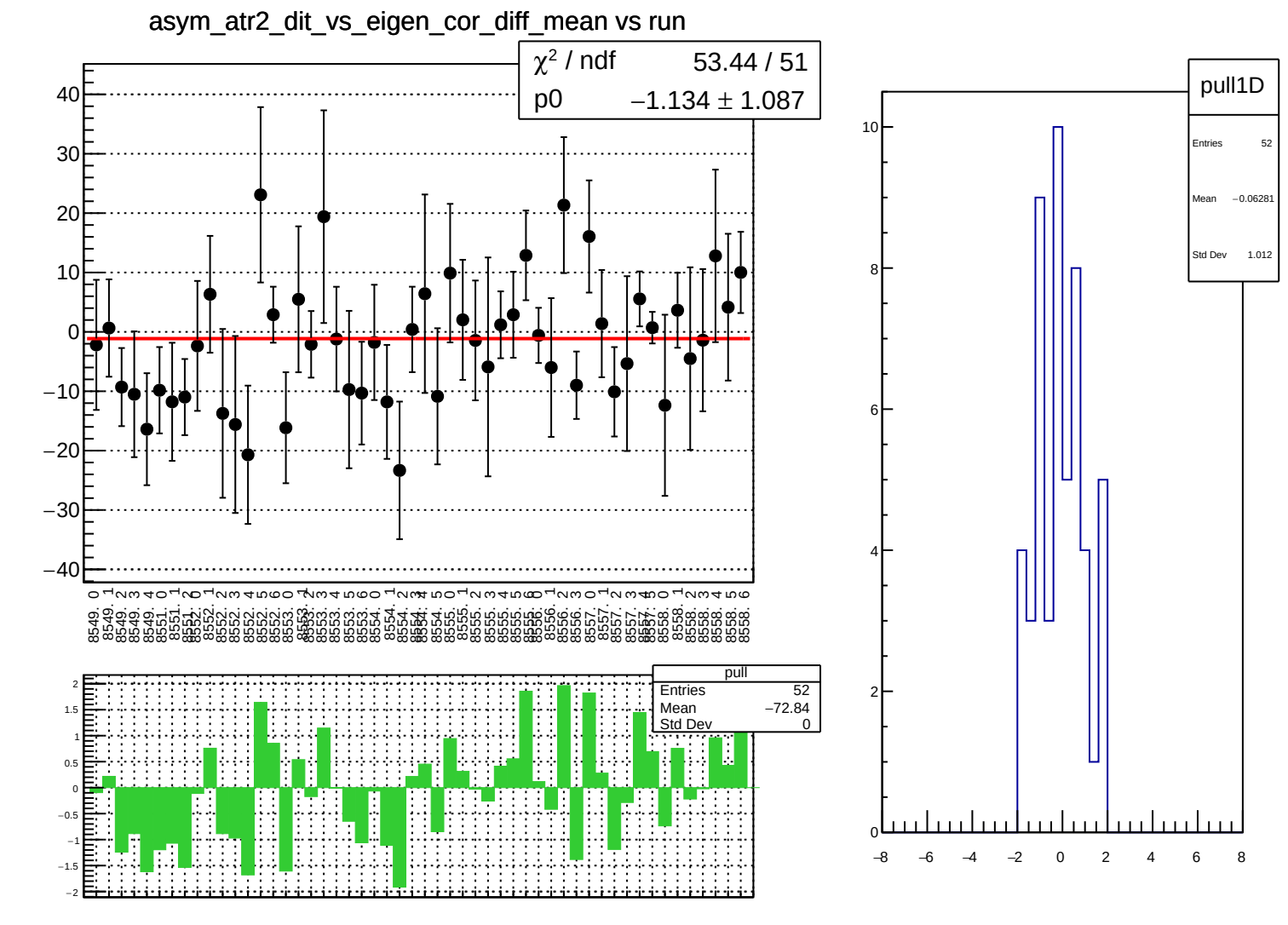
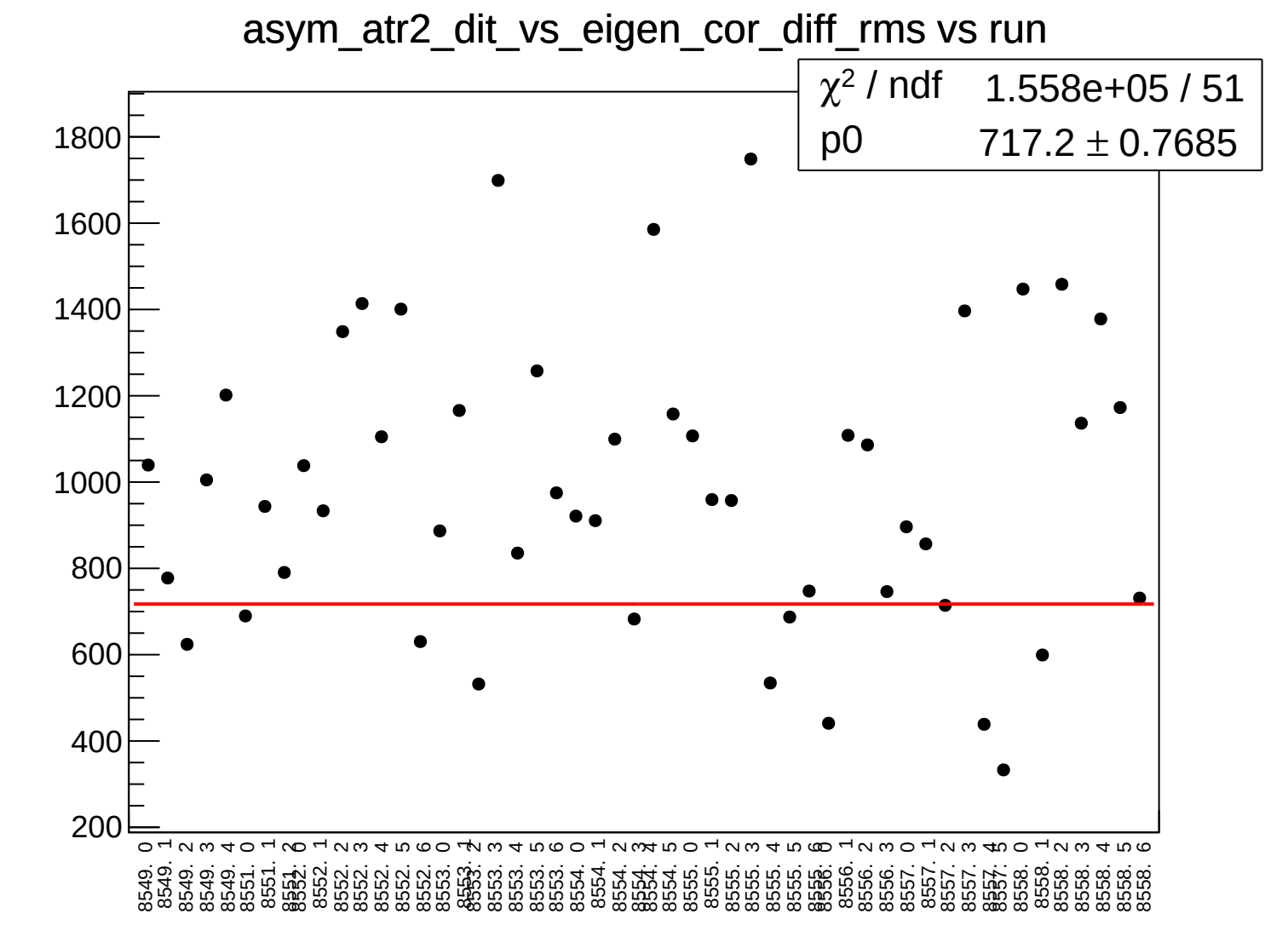
8558. 5
8558. 6


asym_atr2_dit_vs_cor_diff_mean vs run
χ² / ndf 53.44 / 51
p0 −1.134 ± 1.087
pull
Entries 52
Mean −72.84
Std Dev 0


pull1D
Entries 52
Mean −0.06281
Std Dev 1.012


asym_atr2_dit_vs_cor_diff_rms vs run
χ² / ndf 1.558e+05 / 51
p0 717.2 ± 0.7685
1800
1600
1400
1200
1000
800
600
400
200
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 5
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6


asym_atr2_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 53.44 / 51
p0 −1.134 ± 1.087
pull
Entries 52
Mean −72.84
Std Dev 0
pull1D
Entries 52
Mean −0.06281
Std Dev 1.012


asym_atr2_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.558e+05 / 51
p0 717.2 ± 0.7685
1800
1600
1400
1200
1000
800
600
400
200
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 5
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
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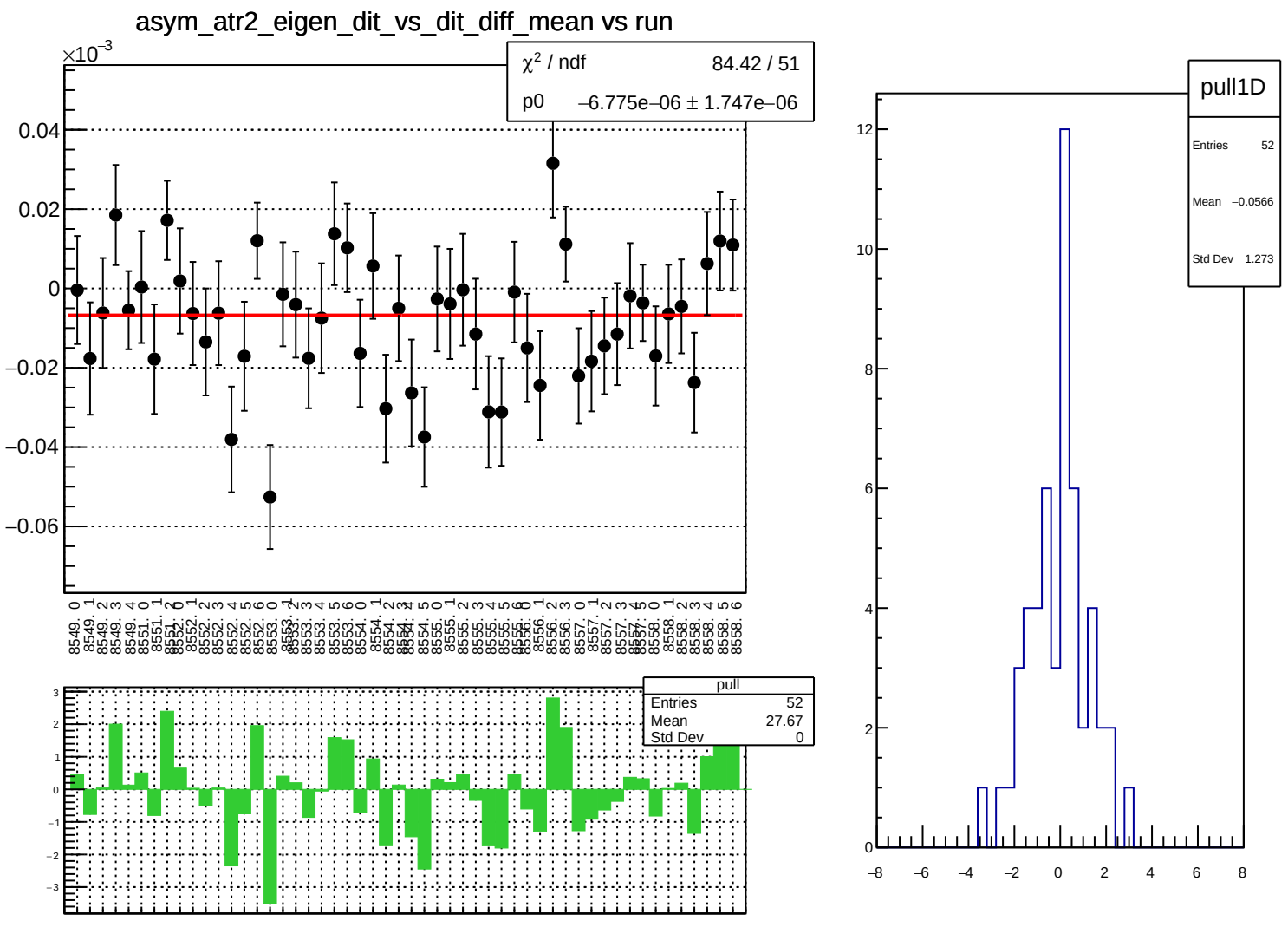
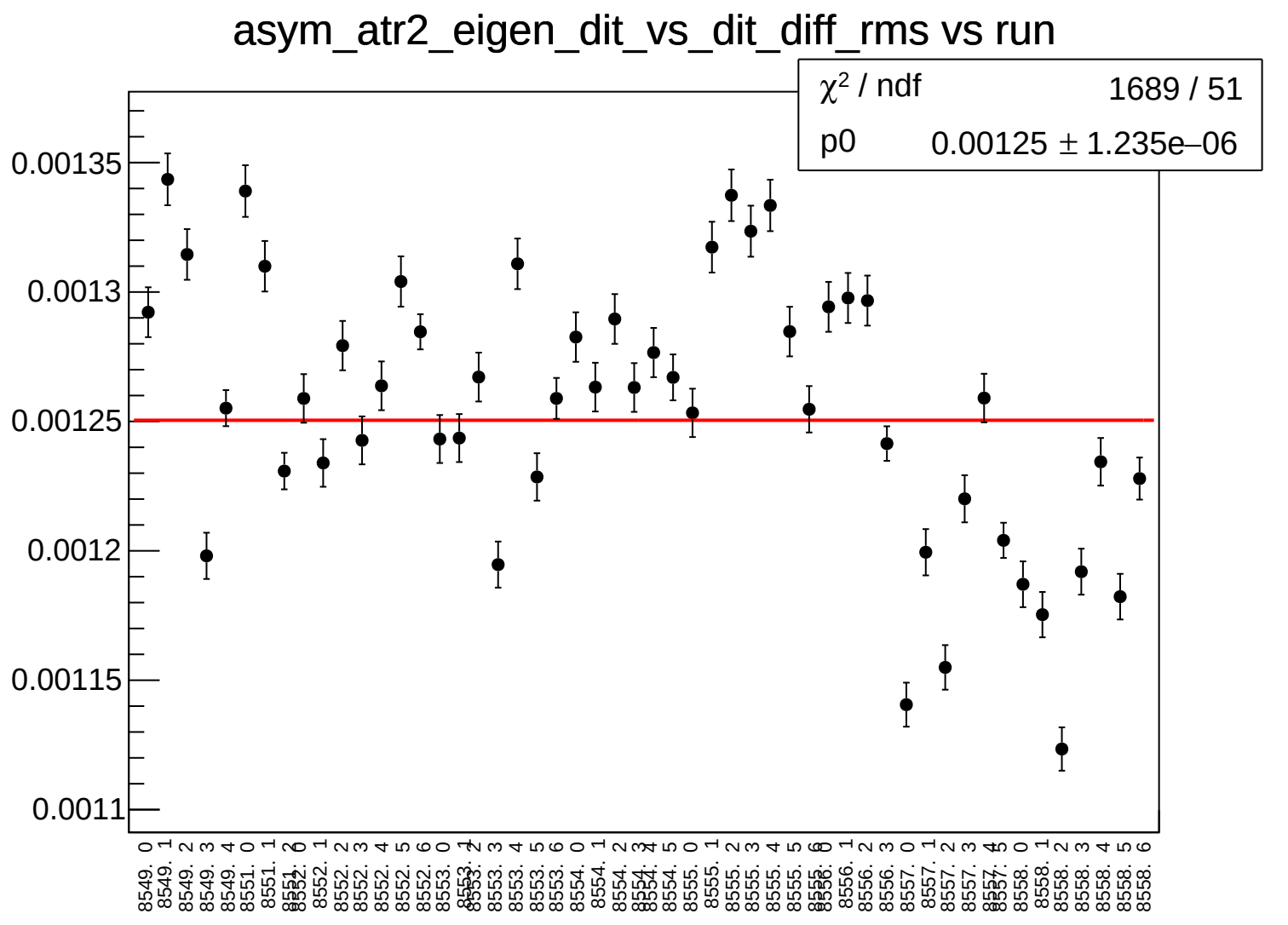
8558. 5
8558. 6


asym_atr2_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 84.42 / 51
p0 −6.775e−06 ± 1.747e−06
0.04
0.02
0
−0.02
−0.04
−0.06
pull
Entries 52
Mean 27.67
Std Dev 0
pull1D
Entries 52
Mean −0.0566
Std Dev 1.273


asym_atr2_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 1689 / 51
p0 0.00125 ± 1.235e–06
0.00135
0.0013
0.00125
0.0012
0.00115
0.0011
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
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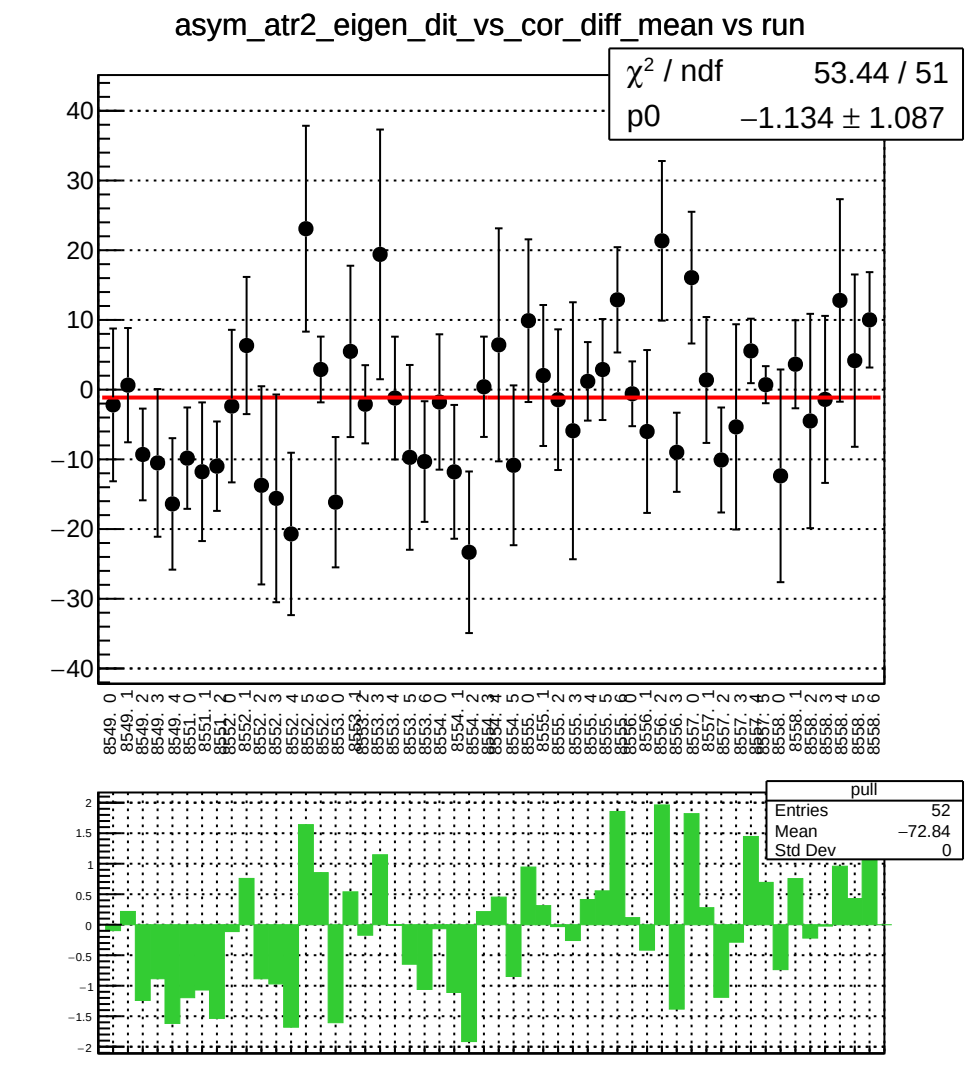
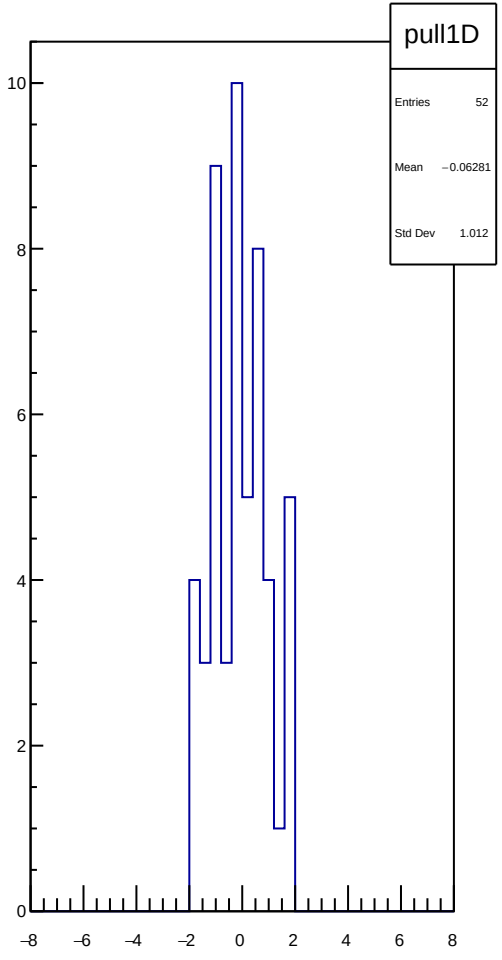
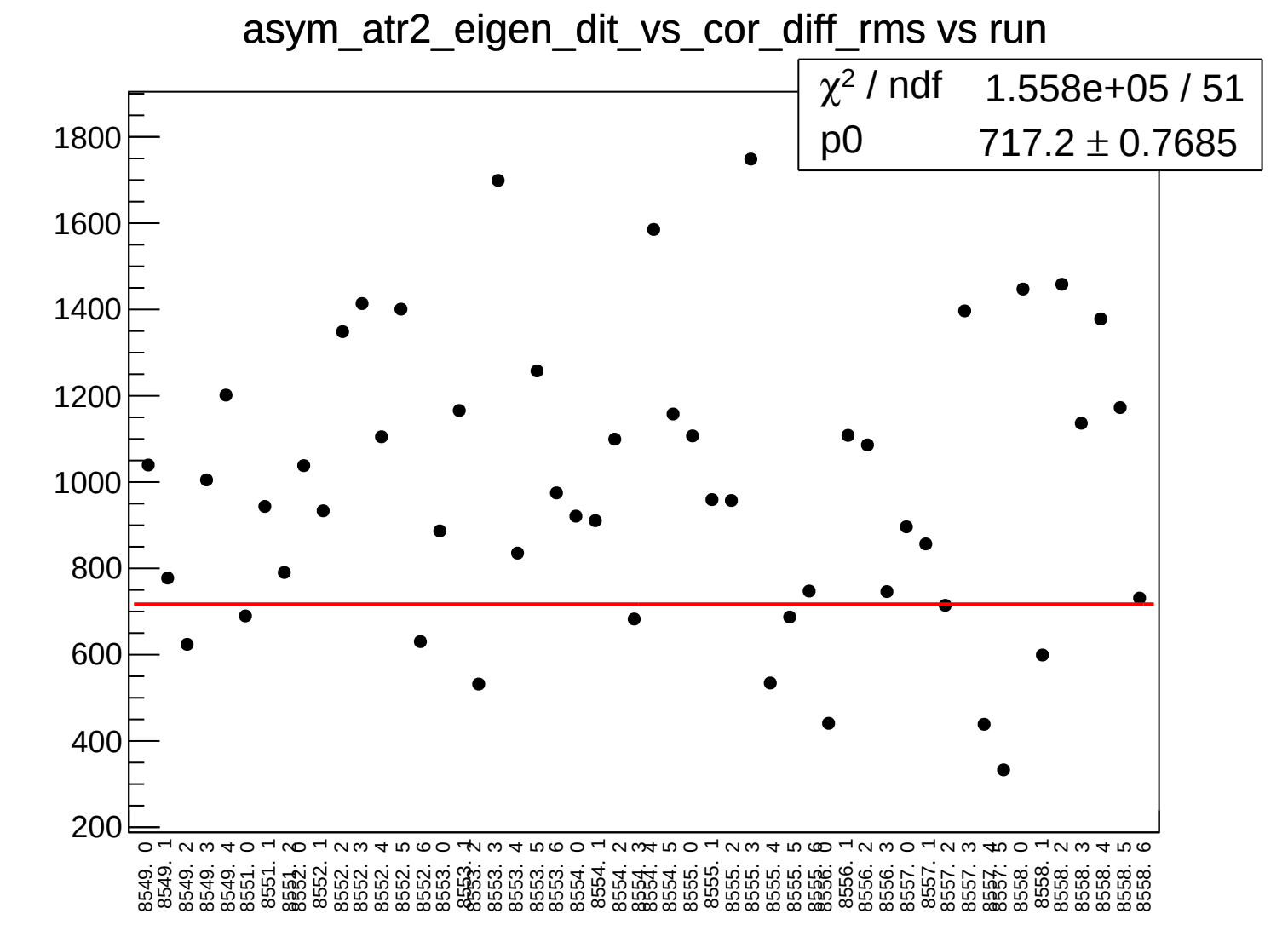
8558. 6


asym_atr2_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 53.44 / 51
p0 −1.134 ± 1.087
pull
Entries 52
Mean −72.84
Std Dev 0


pull1D
Entries 52
Mean −0.06281
Std Dev 1.012


asym_atr2_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 1.558e+05 / 51
p0 717.2 ± 0.7685
1800
1600
1400
1200
1000
800
600
400
200
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 5
8555. 0
8555. 1
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8555. 3
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8555. 5
8556. 1
8556. 2
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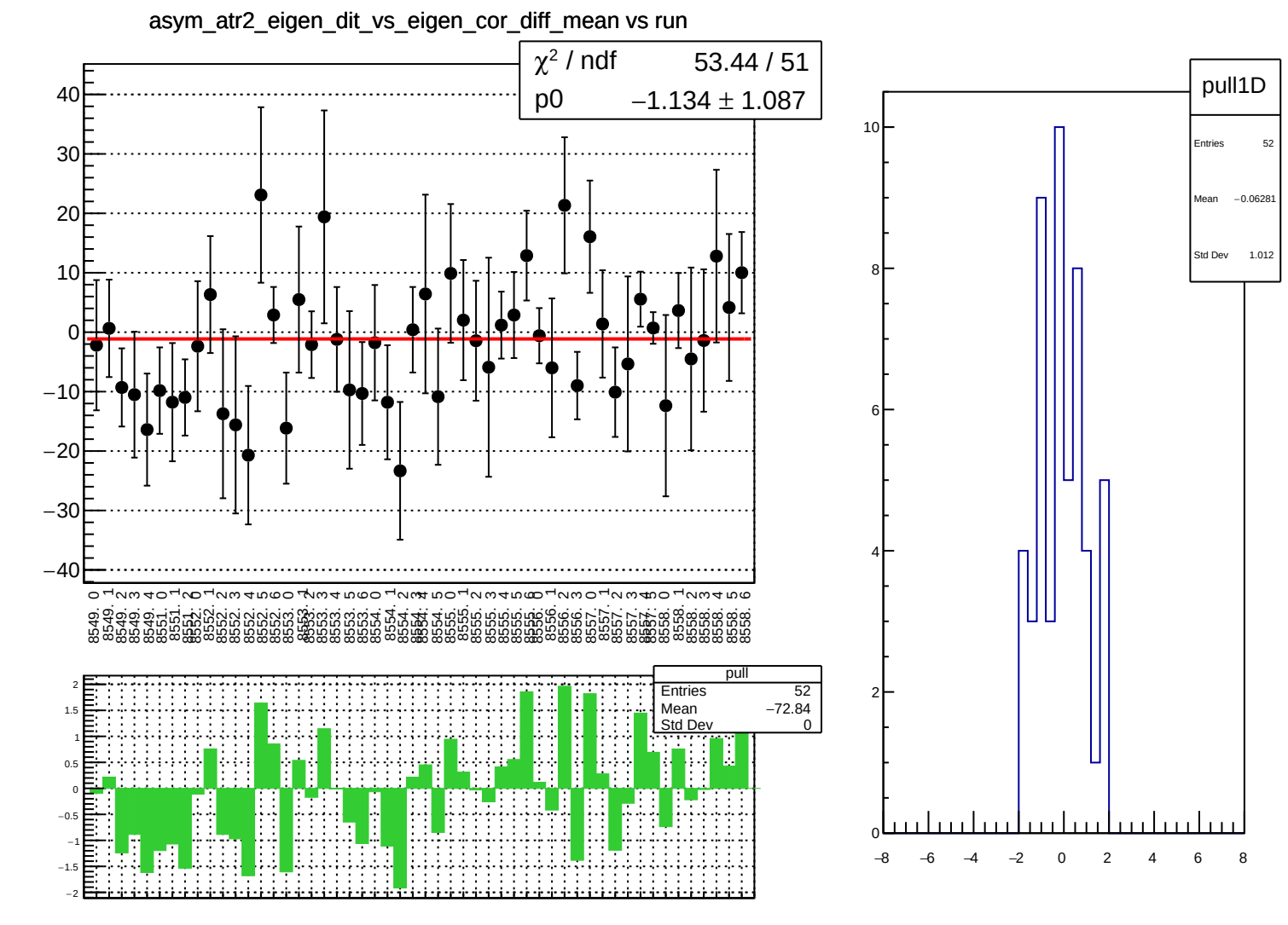
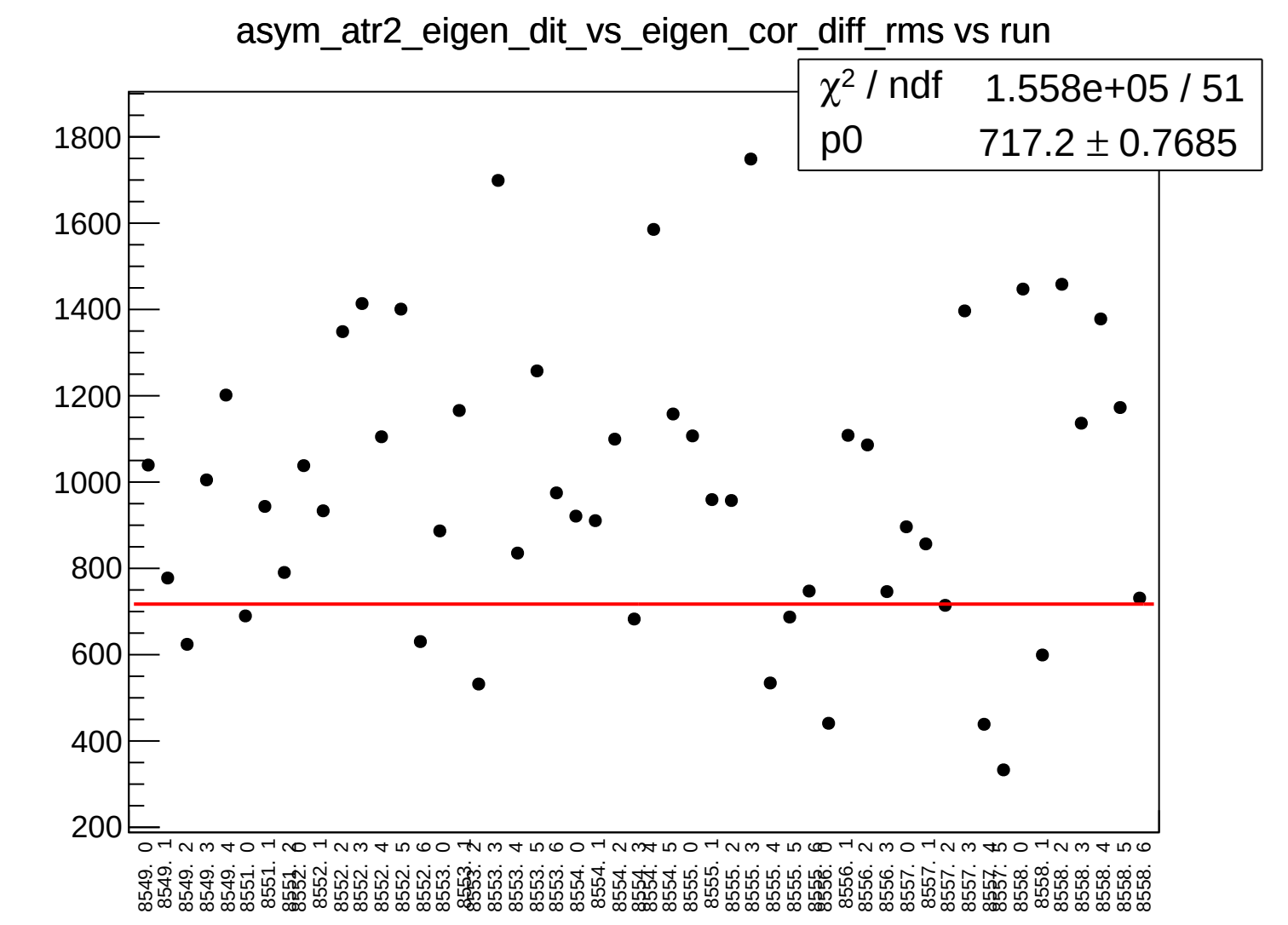
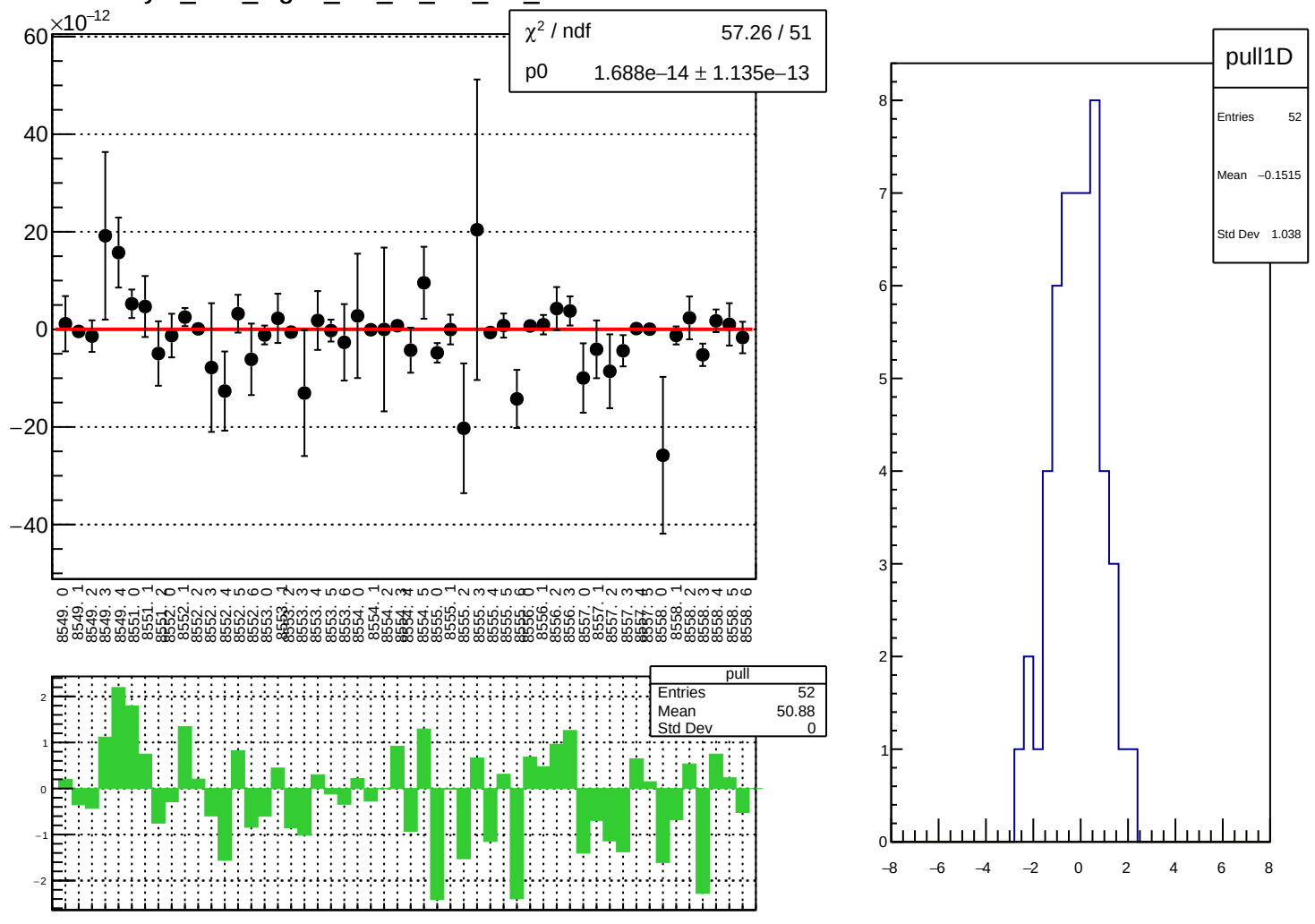
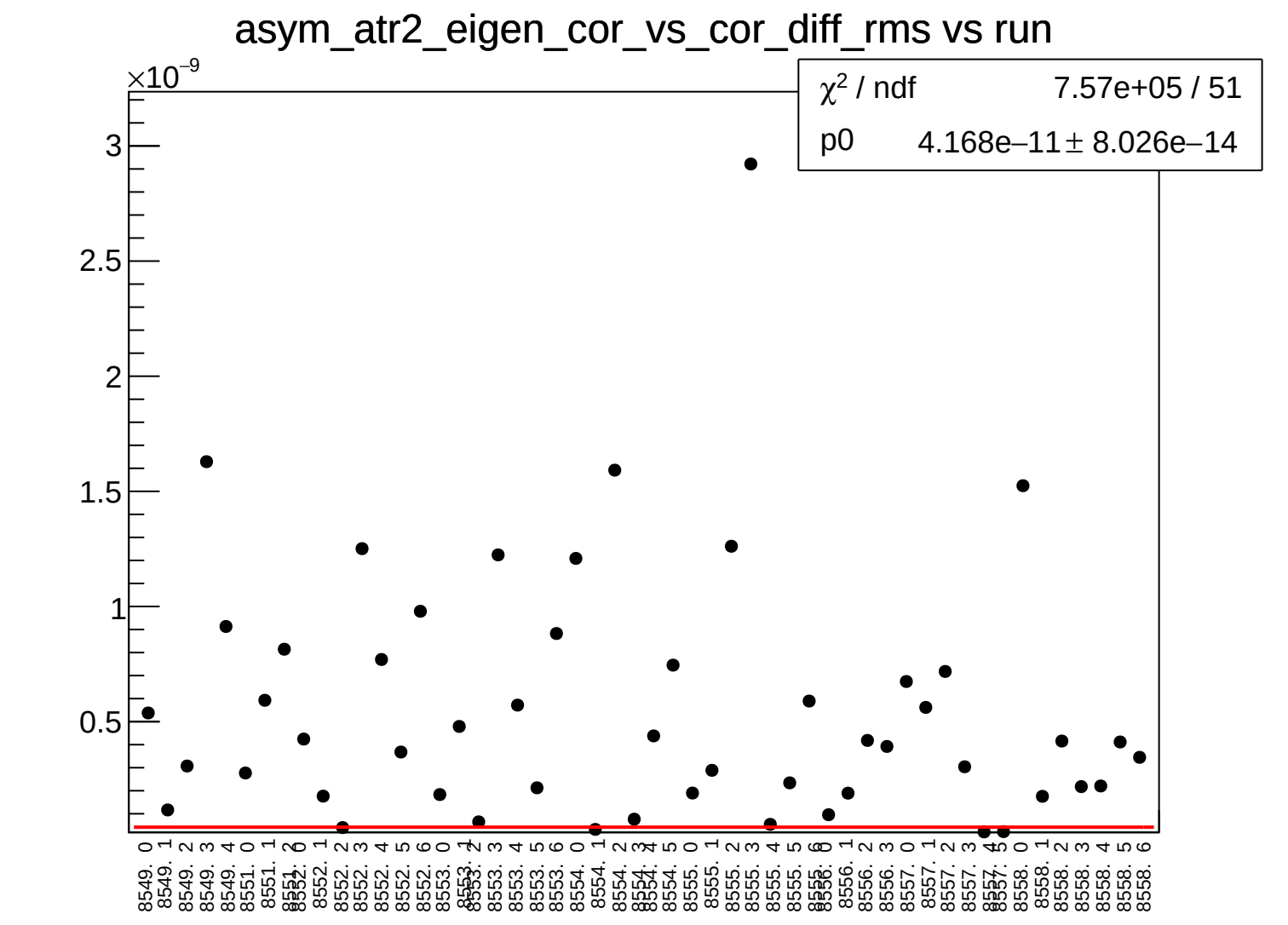
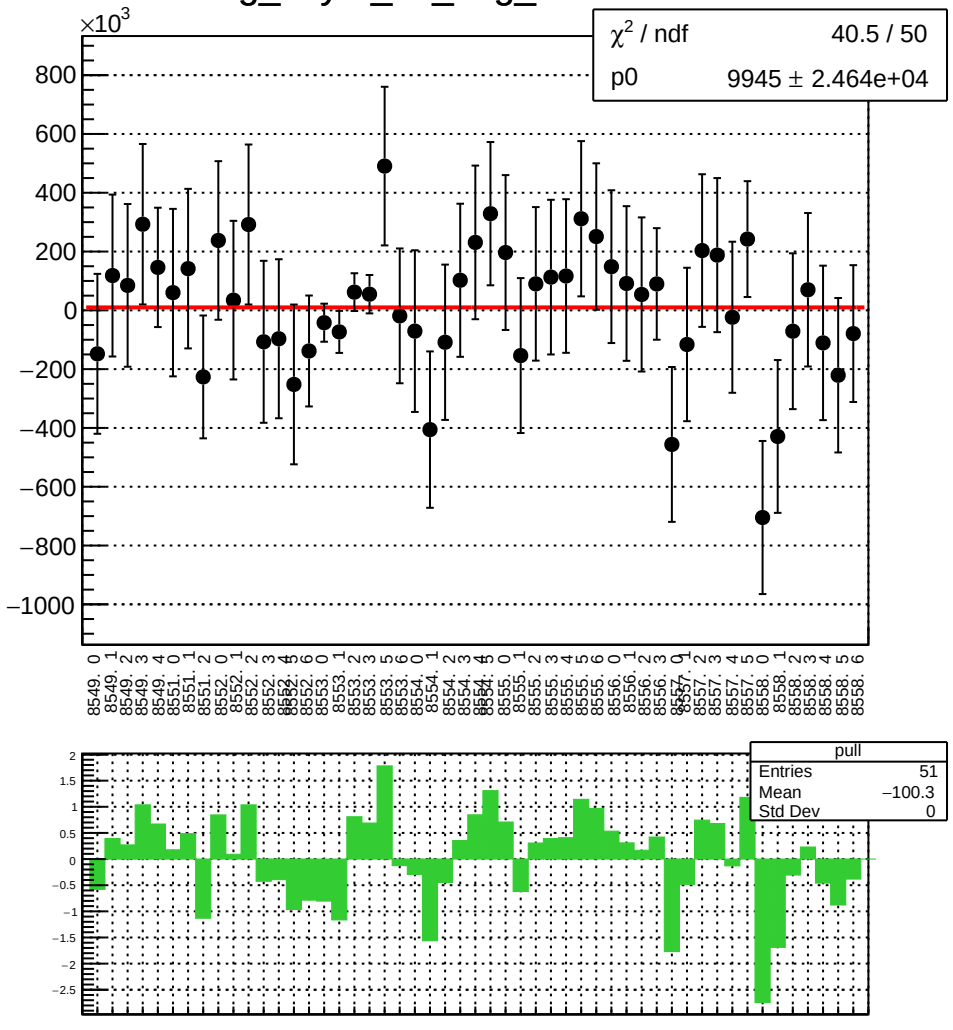
8558. 6

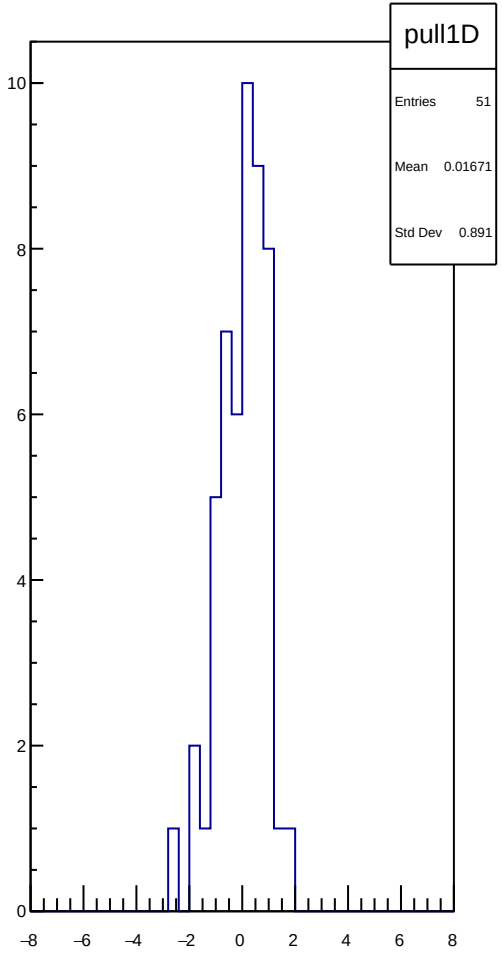

asym_atr2_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 53.44 / 51
p0 −1.134 ± 1.087
pull
Entries 52
Mean −72.84
Std Dev 0
pull1D
Entries 52
Mean −0.06281
Std Dev 1.012

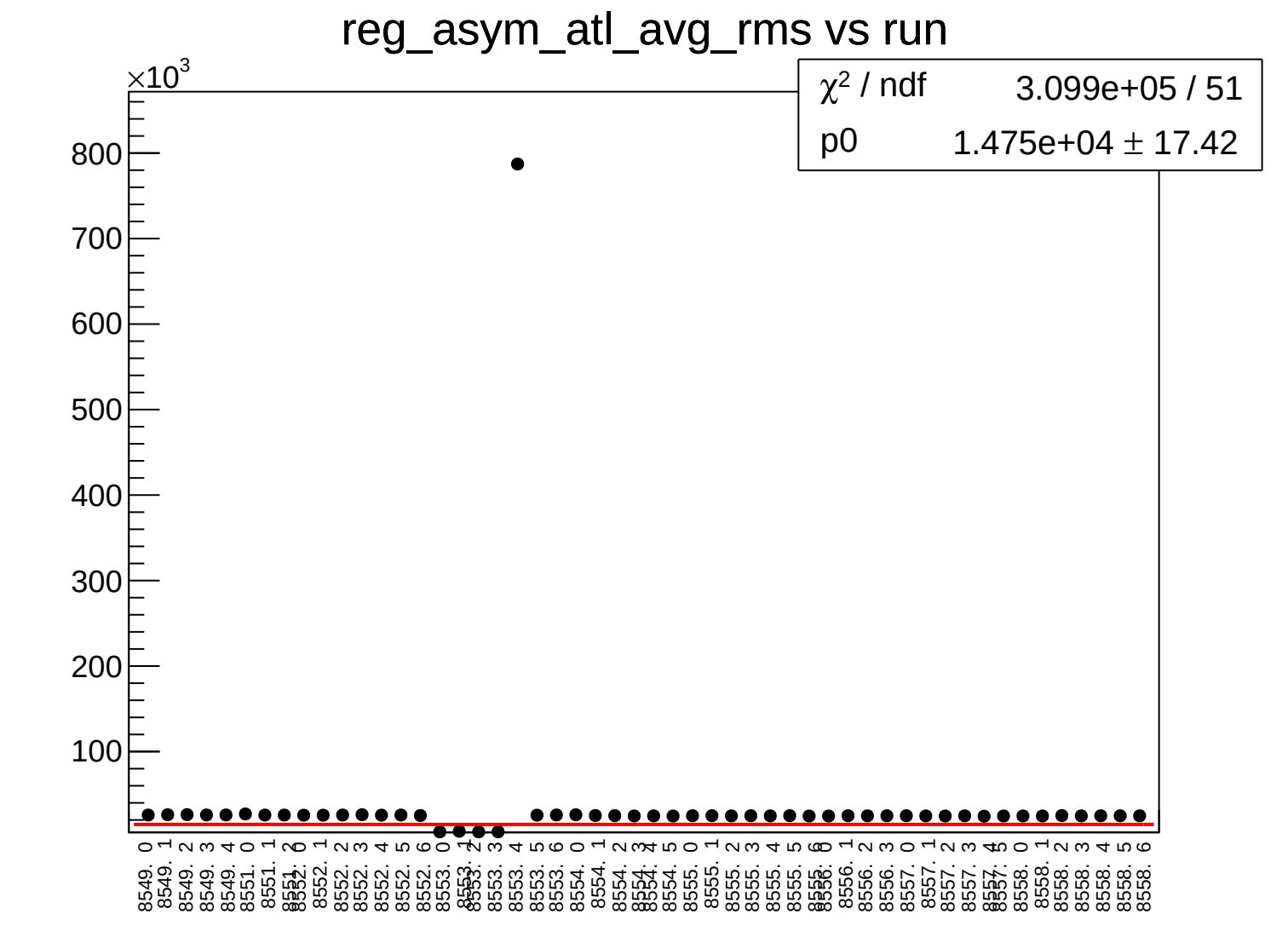

asym_atr2_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.558e+05 / 51
p0 717.2 ± 0.7685
1800
1600
1400
1200
1000
800
600
400
200
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 5
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

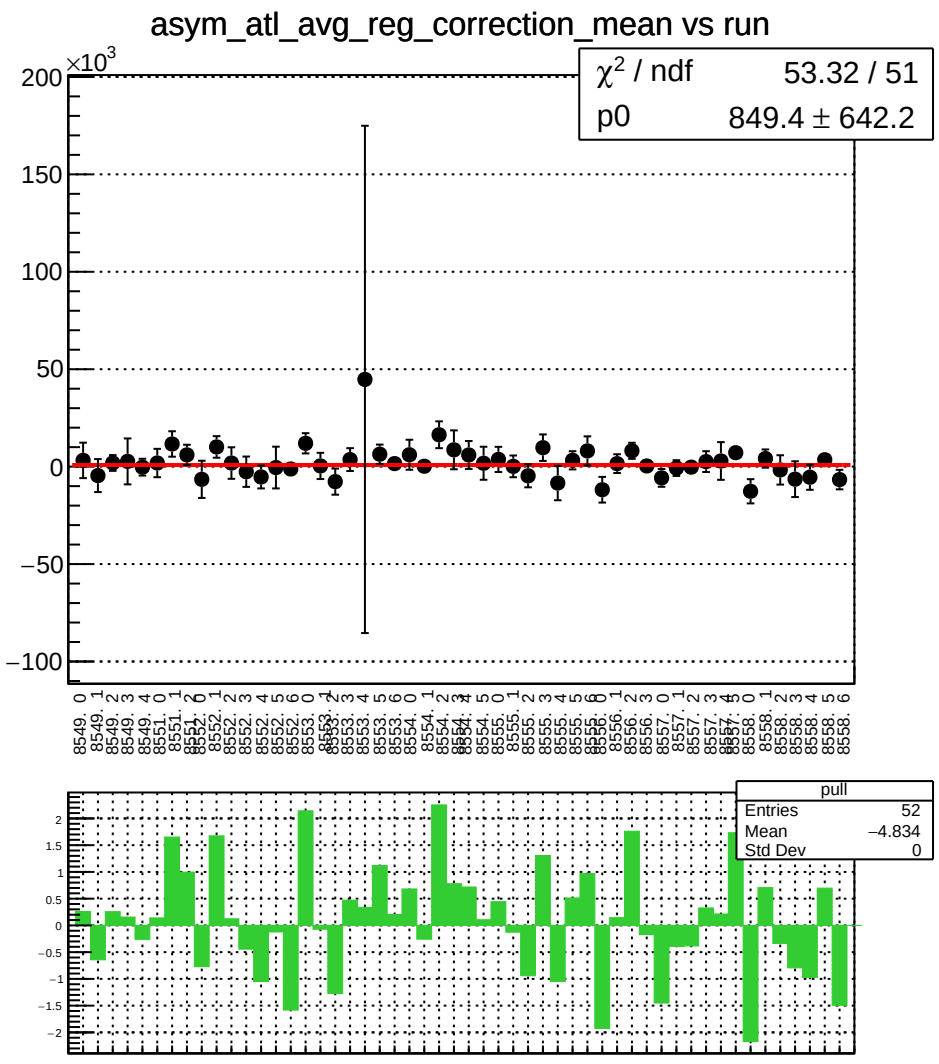

asym_atr2_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 57.26 / 51
p0 1.688e−14 ± 1.135e−13
pull
Entries 52
Mean 50.88
Std Dev 0
pull1D
Entries 52
Mean −0.1515
Std Dev 1.038

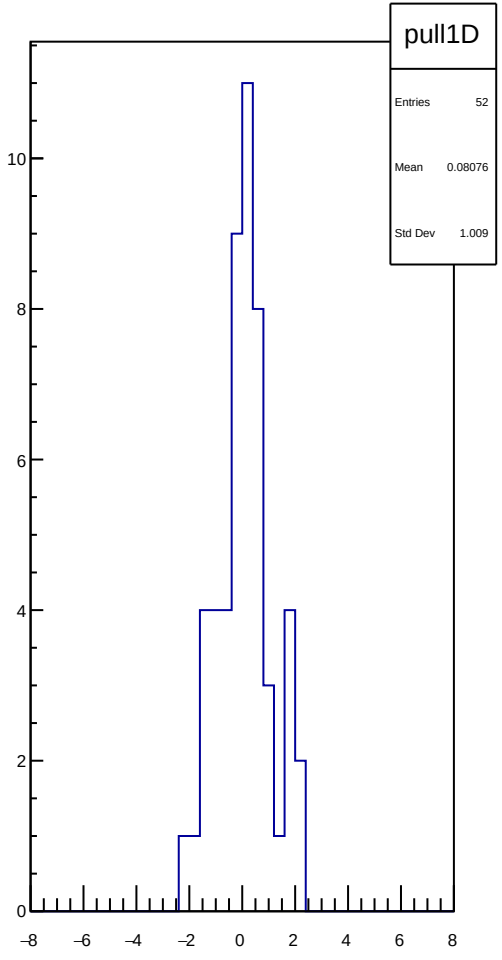

asym_atr2_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 7.57e+05 / 51
p0 4.168e−11 ± 8.026e−14
3
2.5
2
1.5
1
0.5
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 5
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

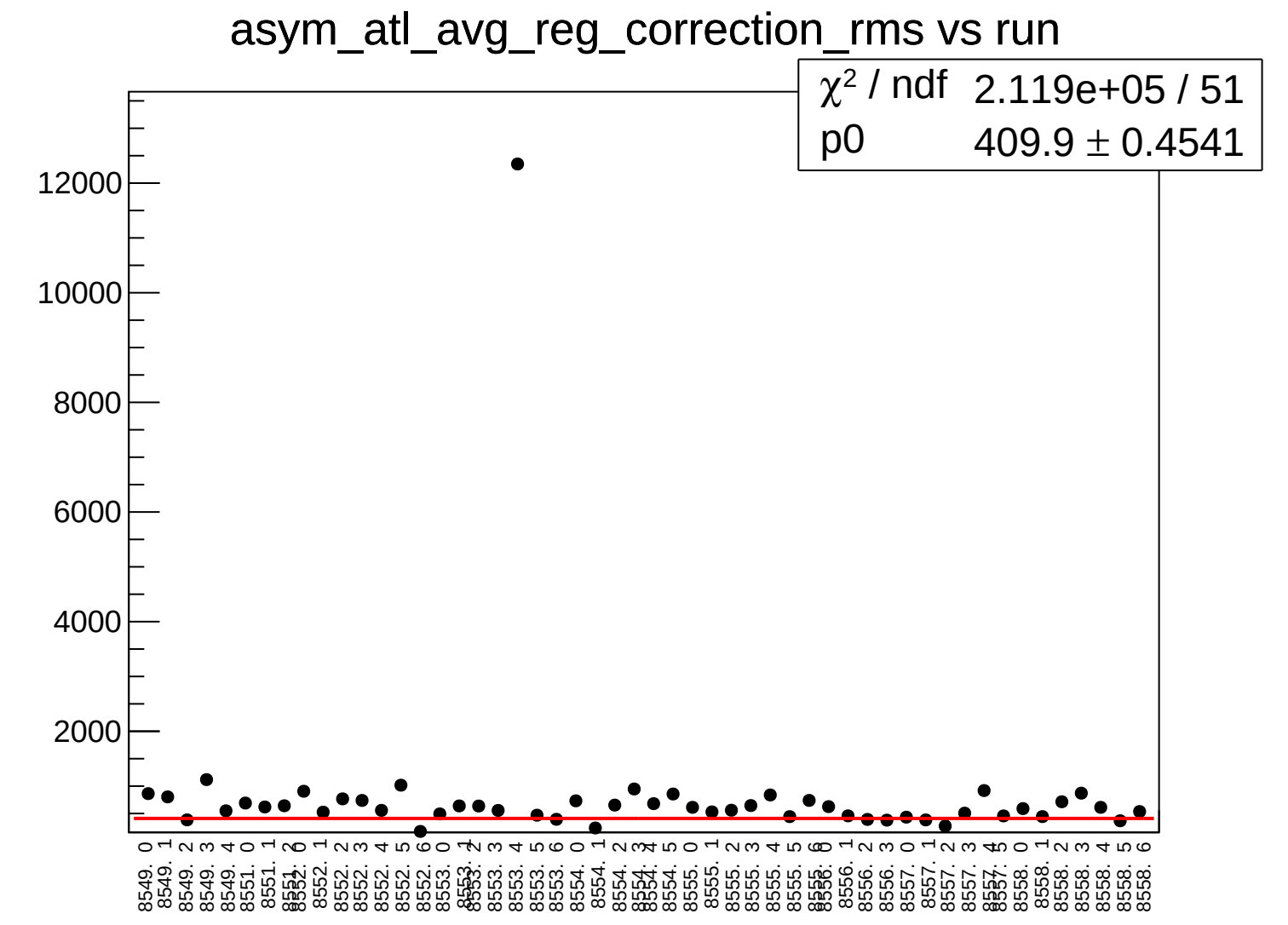

reg_asym_atl_avg_mean vs run
×10^3
χ² / ndf 40.5 / 50
p0 9945 ± 2.464e+04
pull
Entries 51
Mean −100.3
Std Dev 0

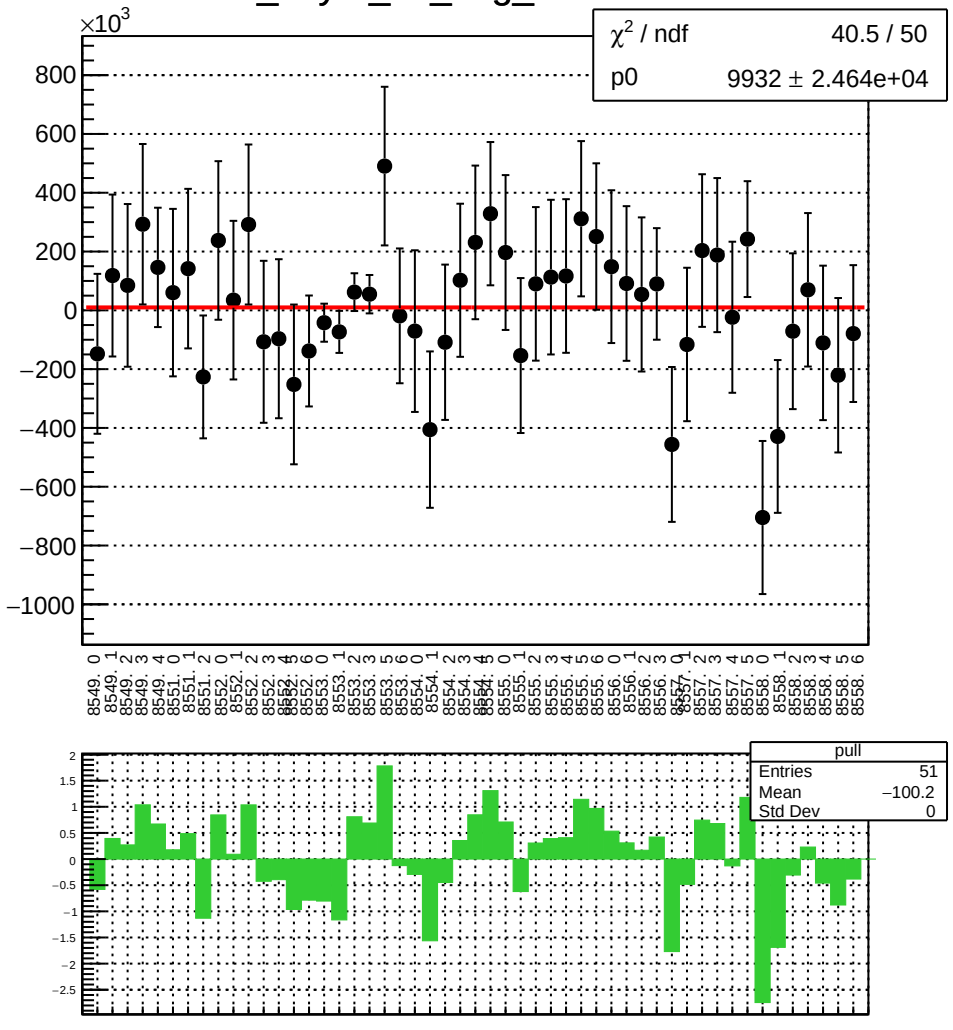

pull1D
Entries 51
Mean 0.01671
Std Dev 0.891

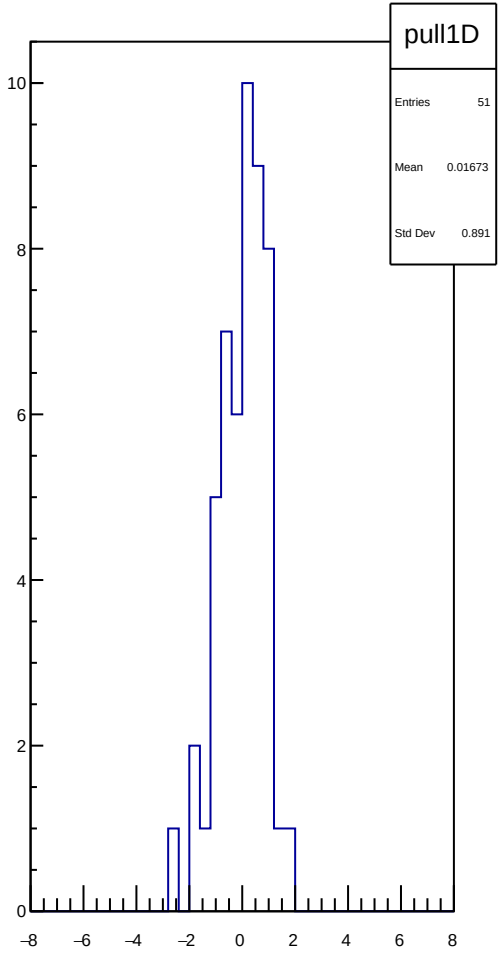

reg_asym_atl_avg_rms vs run
×10^3
800
700
600
500
400
300
200
100
χ² / ndf 3.099e+05 / 51
p0 1.475e+04 ± 17.42
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 1
8553. 2
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 5
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

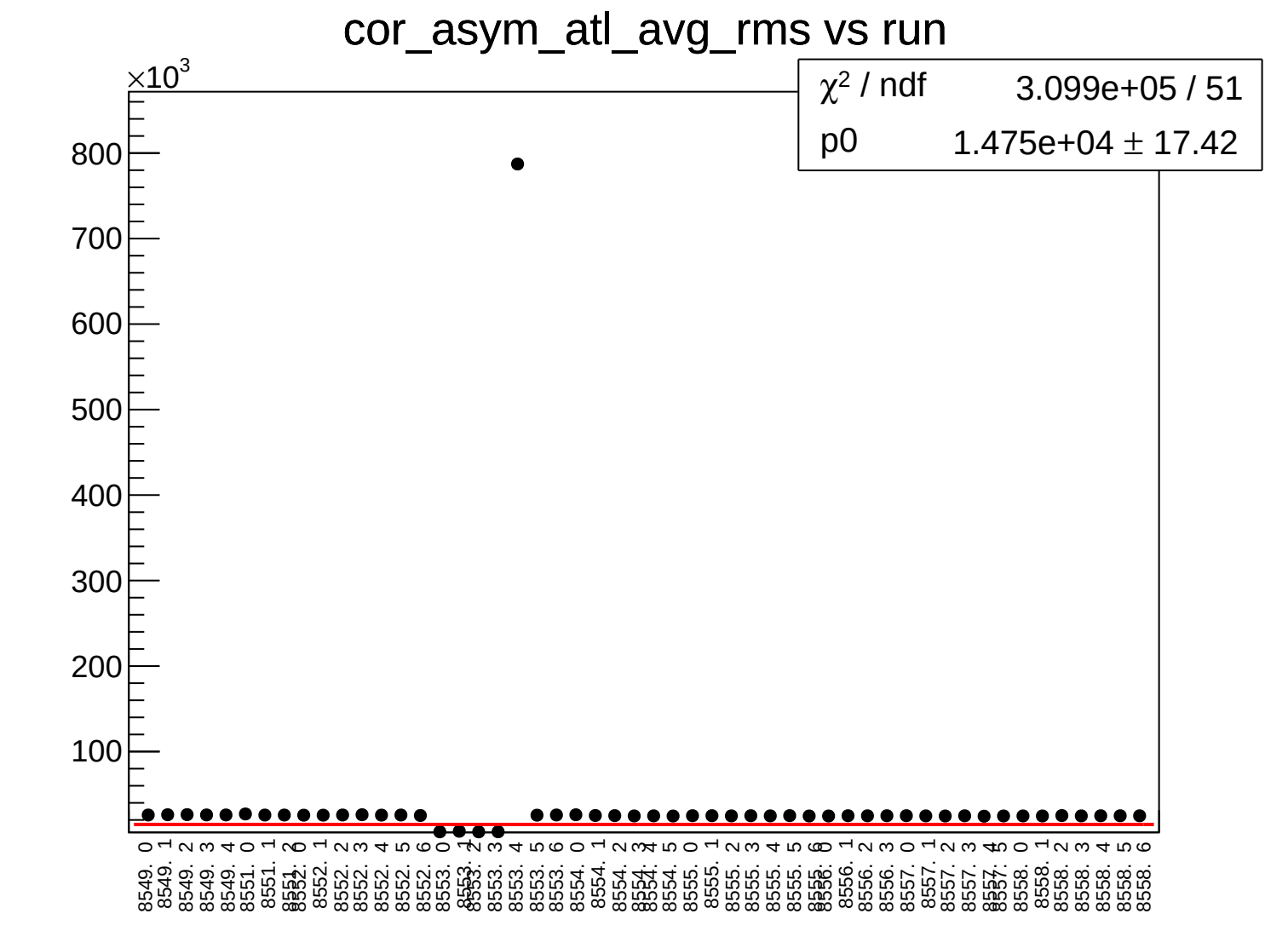

asym_atl_avg_reg_correction_mean vs run
×10^3
χ² / ndf 53.32 / 51
p0 849.4 ± 642.2
pull
Entries 52
Mean −4.834
Std Dev 0

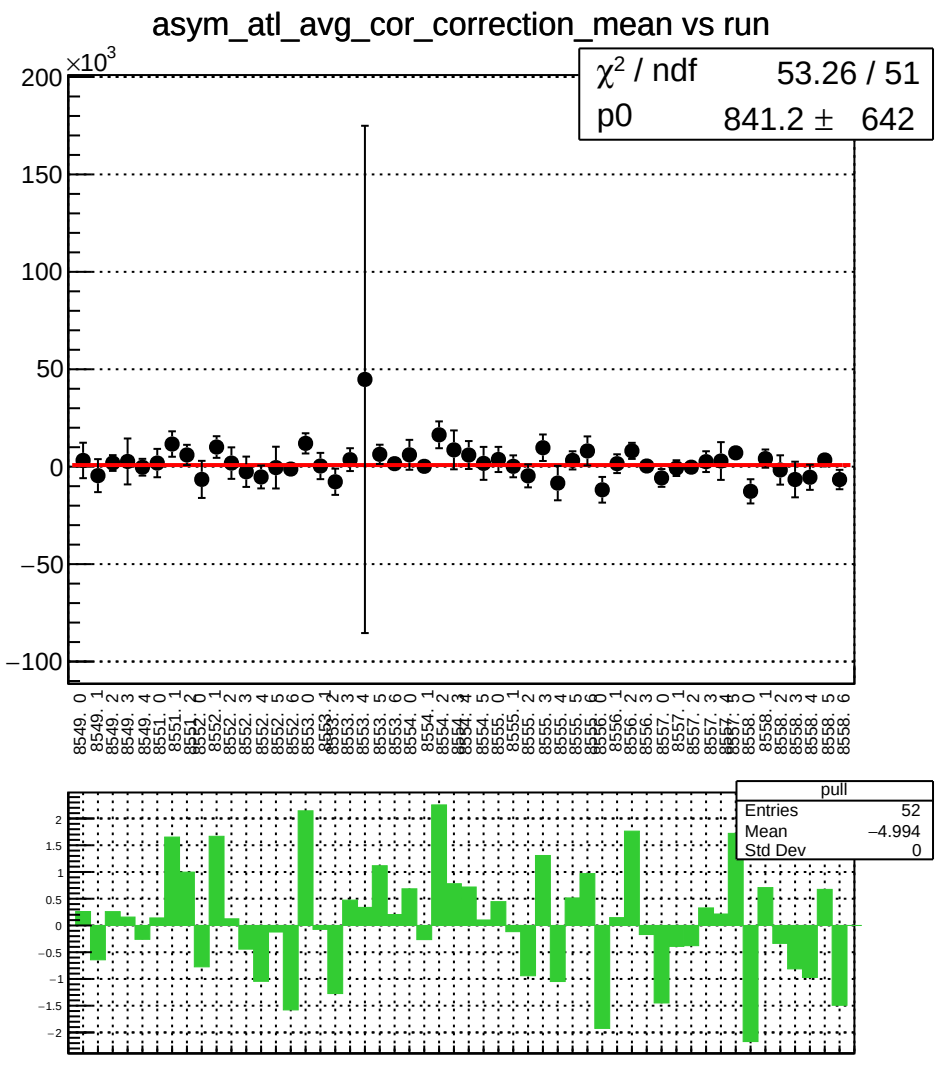

pull1D
Entries 52
Mean 0.08076
Std Dev 1.009

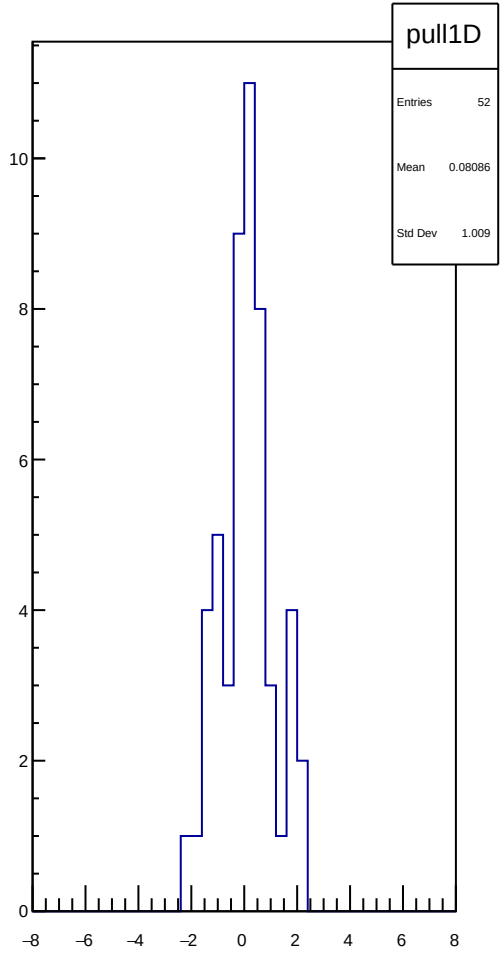

asym_atl_avg_reg_correction_rms vs run
χ² / ndf 2.119e+05 / 51
p0 409.9 ± 0.4541
12000
10000
8000
6000
4000
2000
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 0
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 5
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

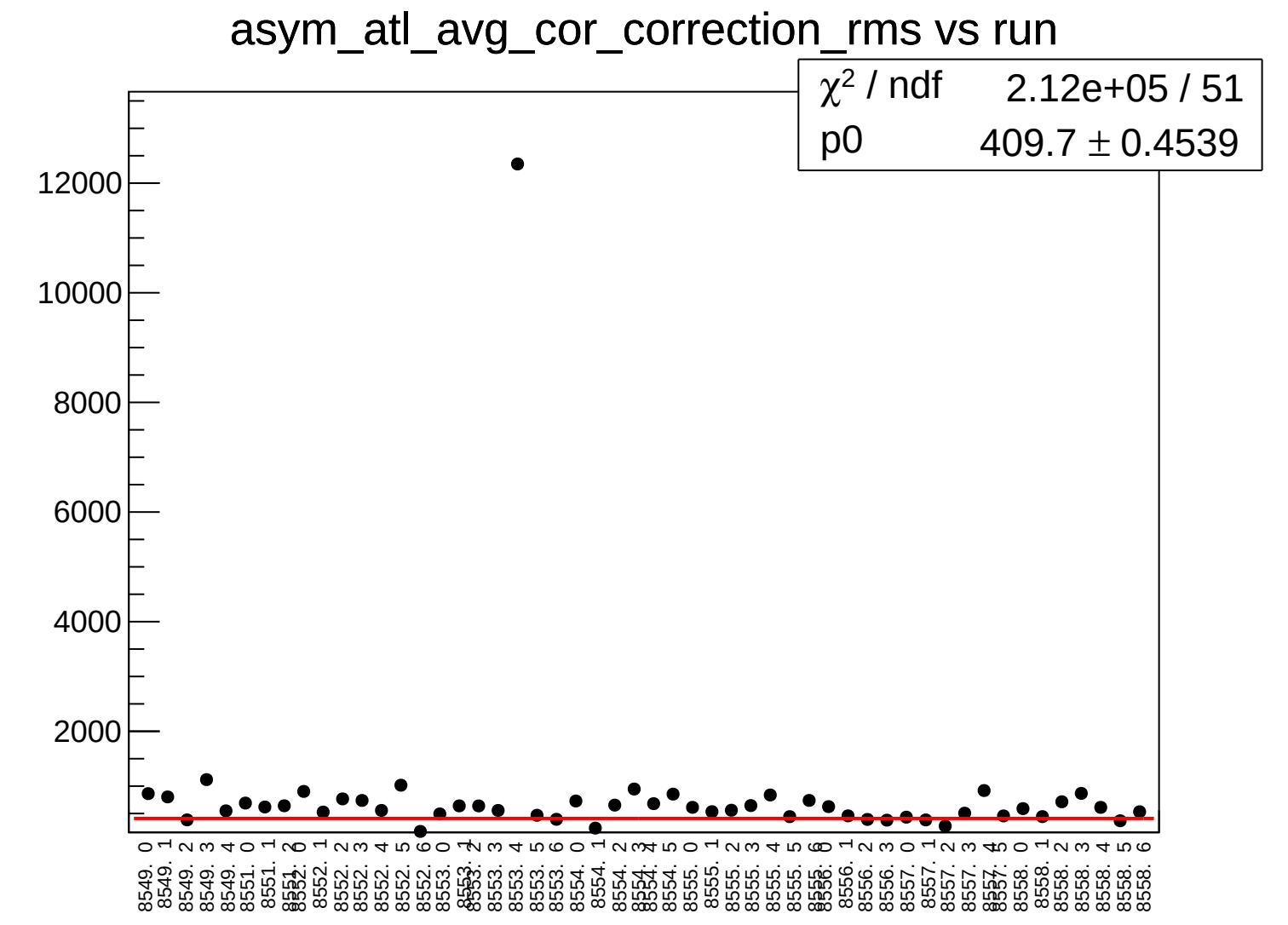

cor_asym_atl_avg_mean vs run
×10^3
χ² / ndf 40.5 / 50
p0 9932 ± 2.464e+04
pull
Entries 51
Mean −100.2
Std Dev 0

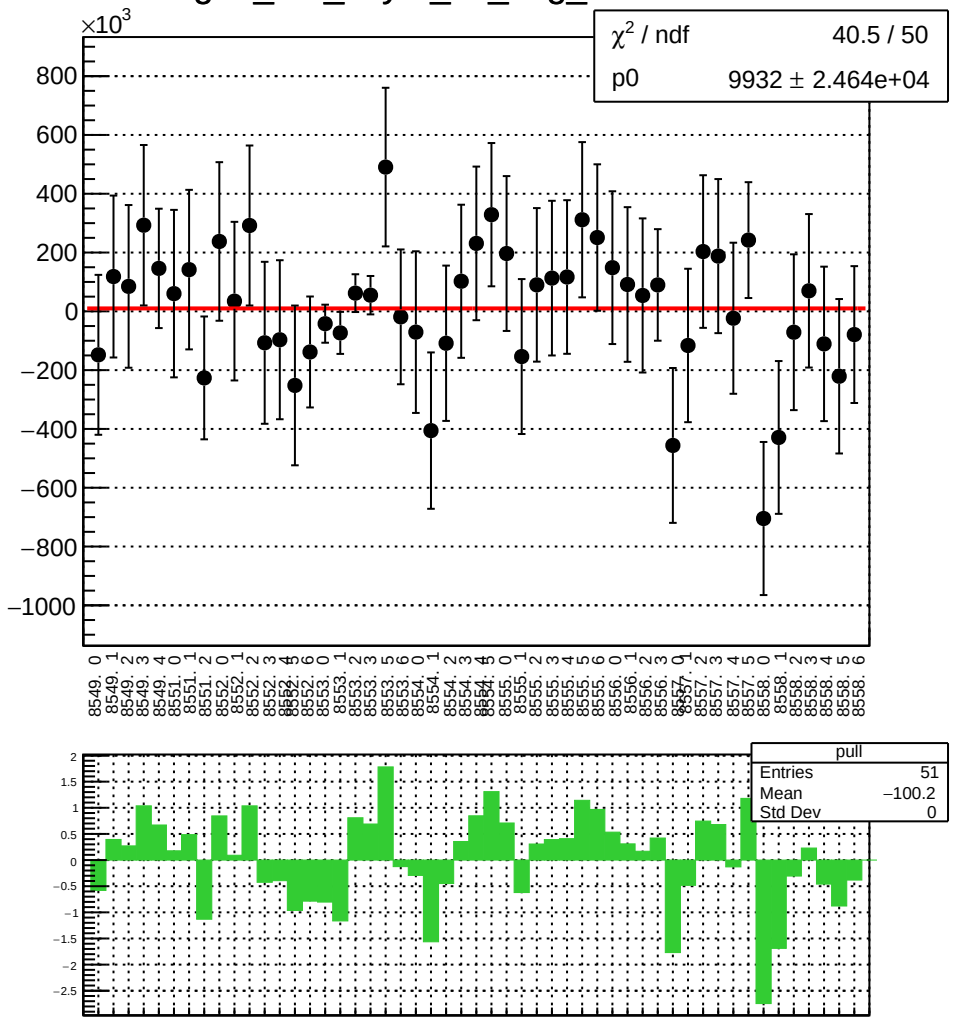

pull1D
Entries 51
Mean 0.01673
Std Dev 0.891

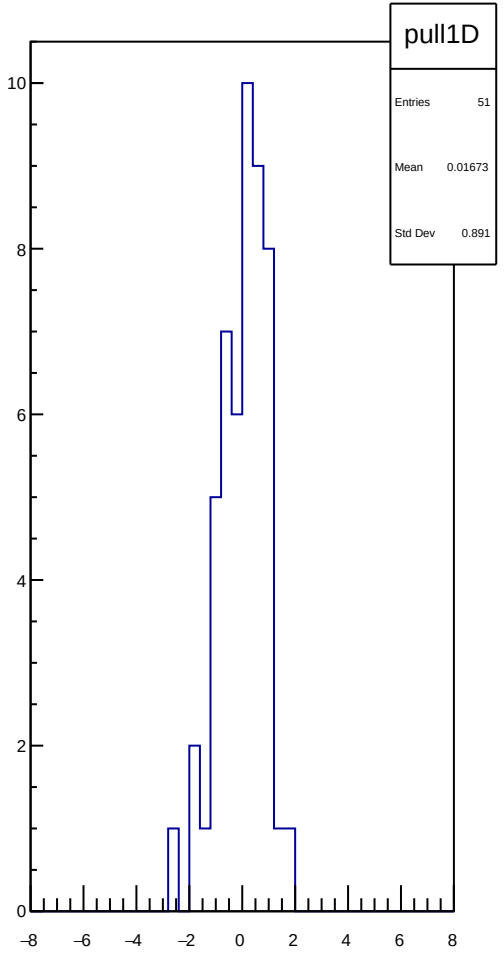

cor_asym_atl_avg_rms vs run
×10^3
800
700
600
500
400
300
200
100
χ² / ndf 3.099e+05 / 51
p0 1.475e+04 ± 17.42
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 1
8553. 2
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 5
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

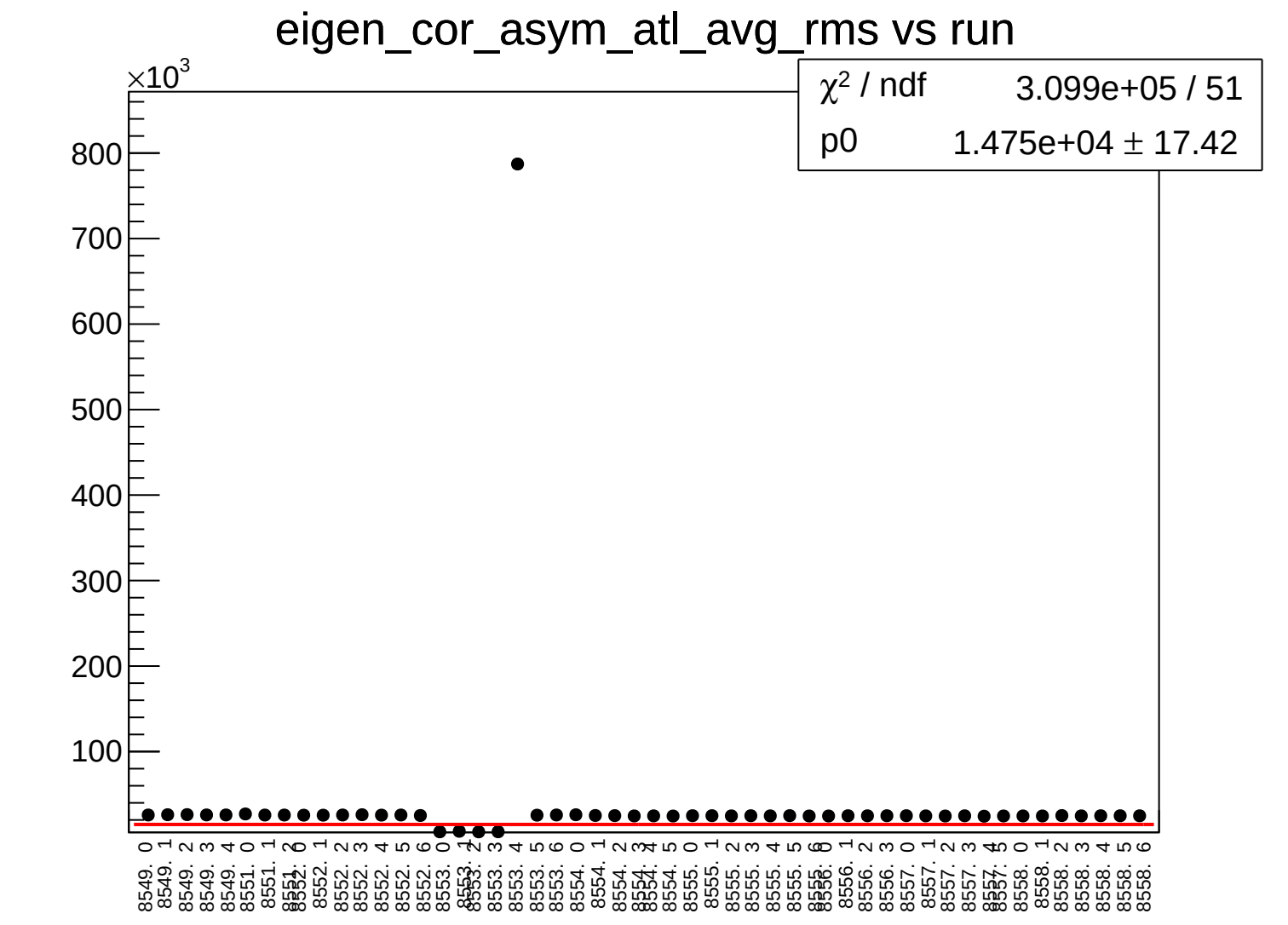

asym_atl_avg_cor_correction_mean vs run
χ² / ndf 53.26 / 51
p0 841.2 ± 642
×10³
200
150
100
50
0
−50
−100
pull
Entries 52
Mean −4.994
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

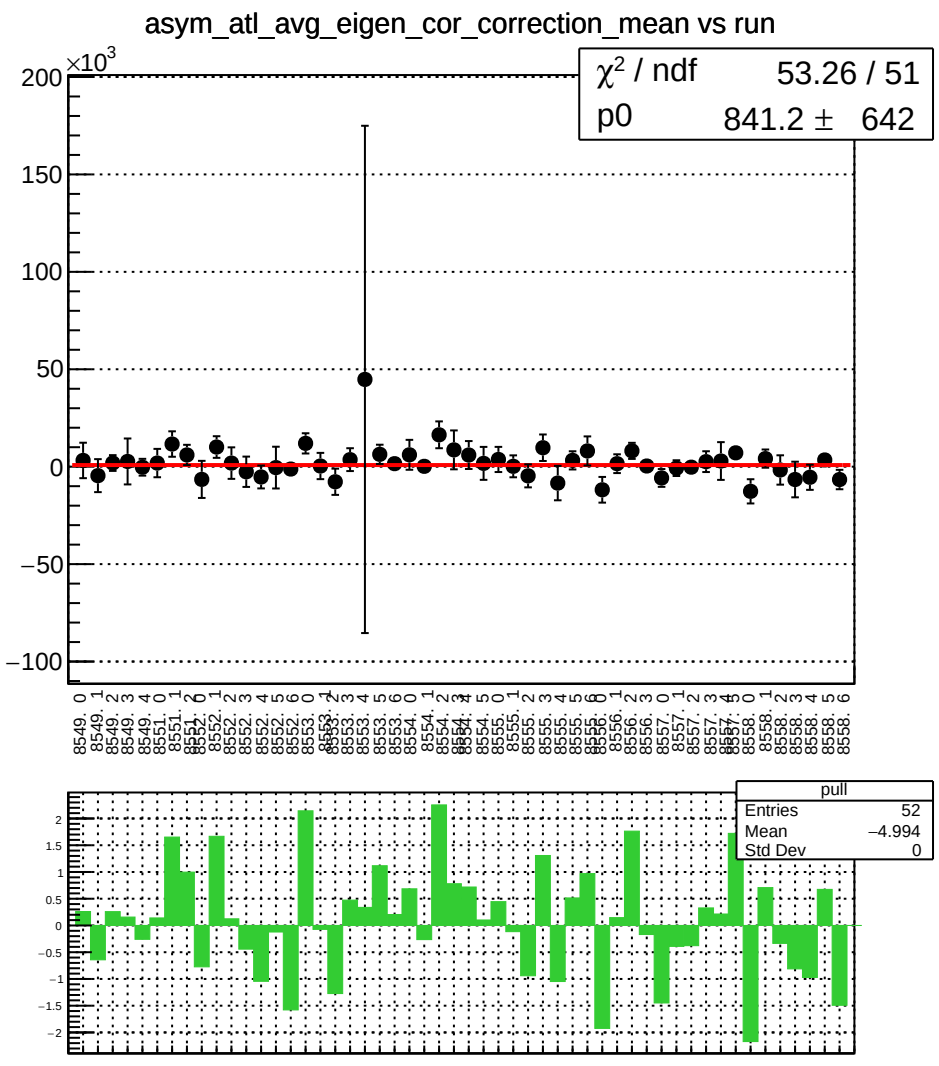

pull1D
Entries 52
Mean 0.08086
Std Dev 1.009
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

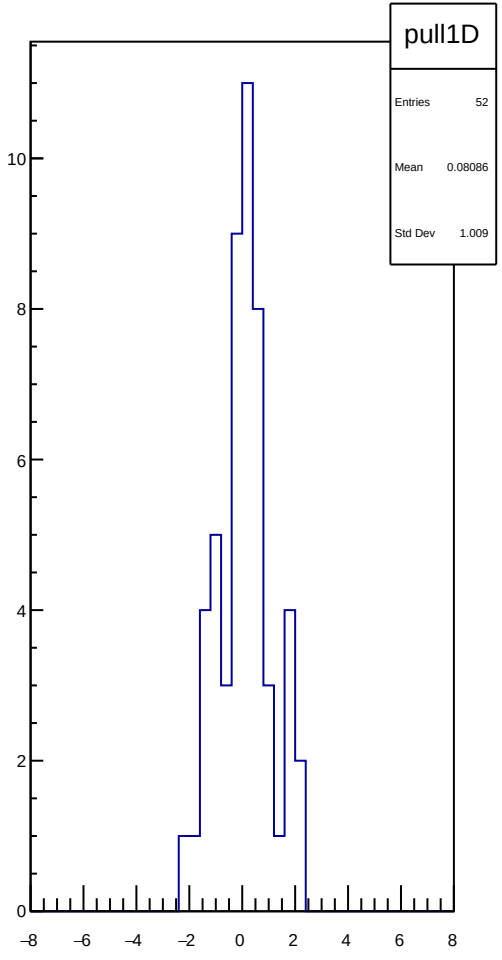

asym_atl_avg_cor_correction_rms vs run
χ² / ndf 2.12e+05 / 51
p0 409.7 ± 0.4539
12000
10000
8000
6000
4000
2000
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

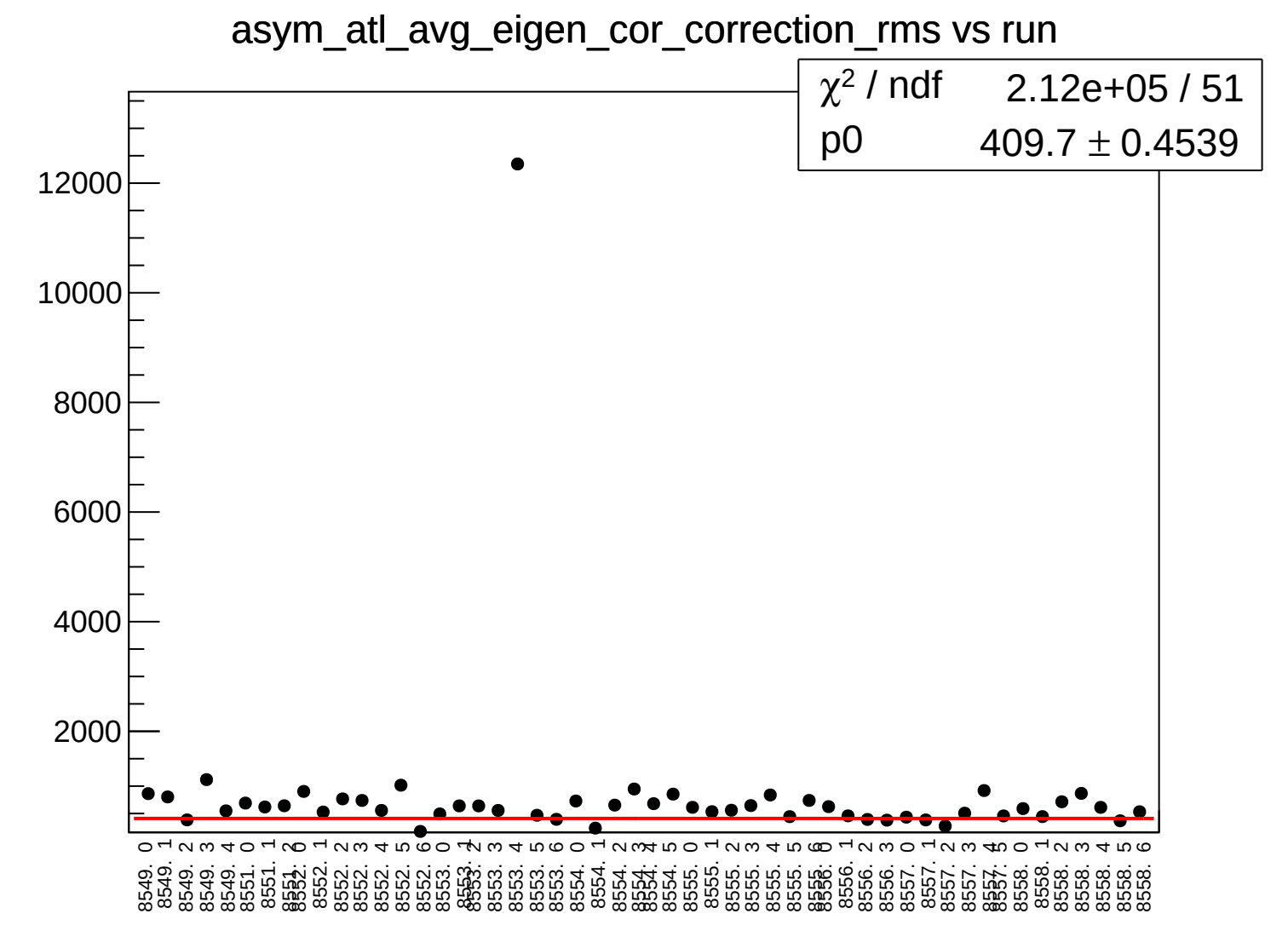

eigen_cor_asym_atl_avg_mean vs run
×10^3
χ² / ndf 40.5 / 50
p0 9932 ± 2.464e+04
pull
Entries 51
Mean −100.2
Std Dev 0

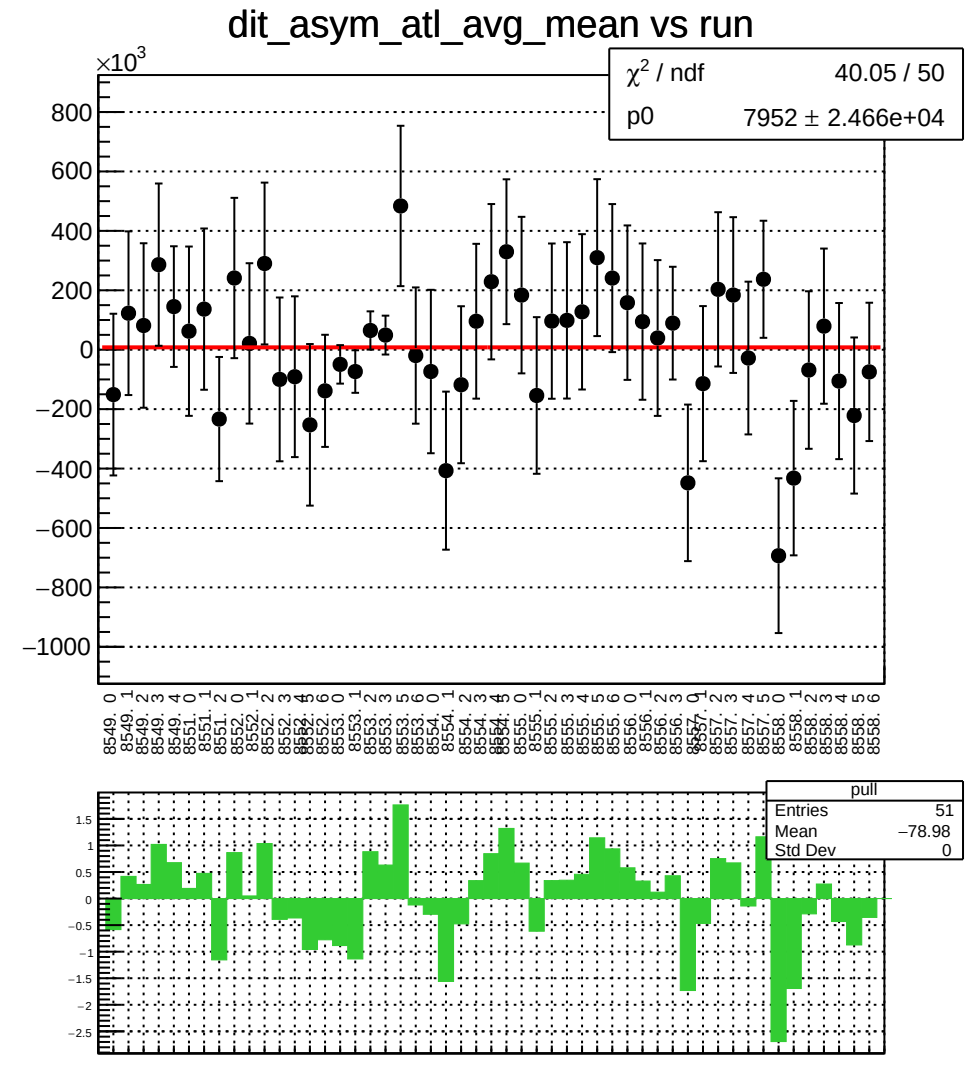

pull1D
Entries 51
Mean 0.01673
Std Dev 0.891

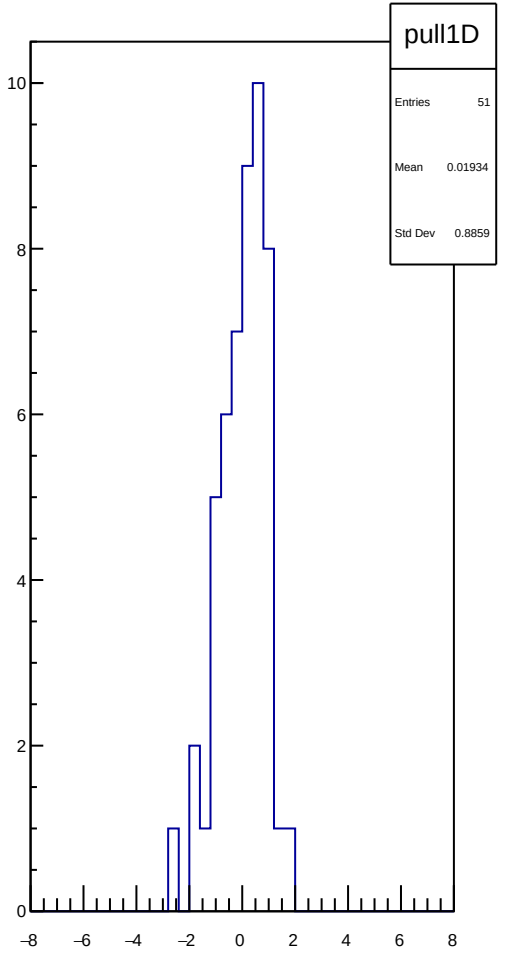

eigen_cor_asym_atl_avg_rms vs run
×10^3
800
700
600
500
400
300
200
100
χ² / ndf 3.099e+05 / 51
p0 1.475e+04 ± 17.42
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

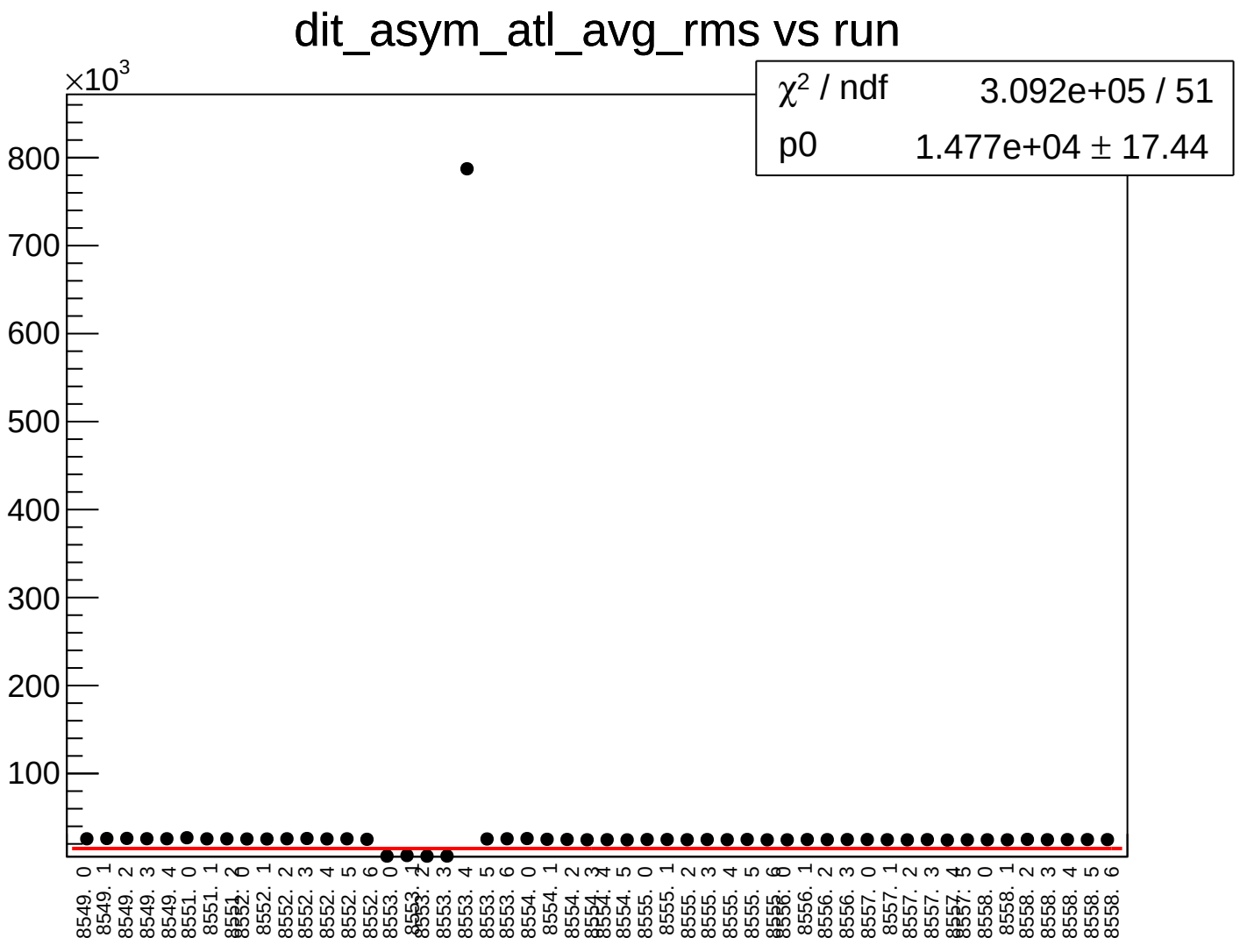

asym_atl_avg_eigen_cor_correction_mean vs run
×10^3
χ² / ndf 53.26 / 51
p0 841.2 ± 642
pull
Entries 52
Mean −4.994
Std Dev 0

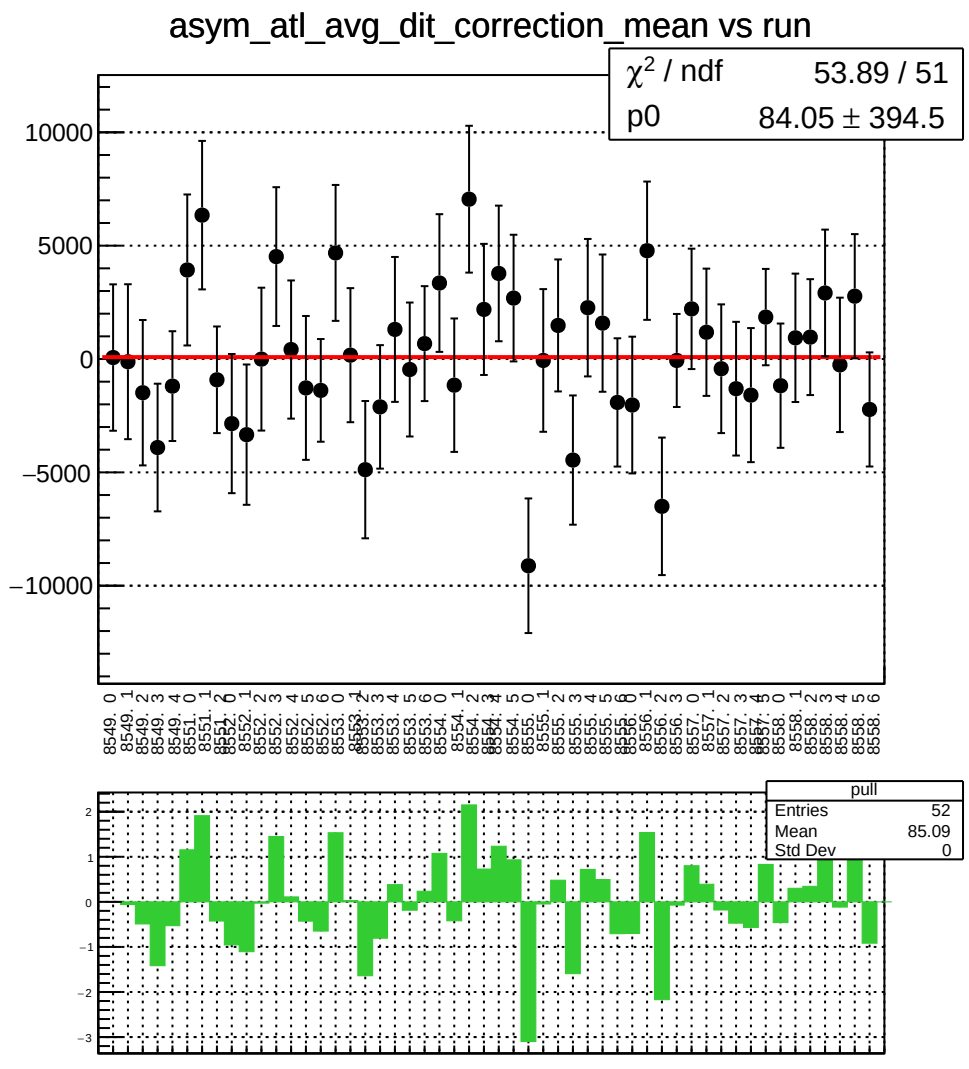

pull1D
Entries 52
Mean 0.08086
Std Dev 1.009

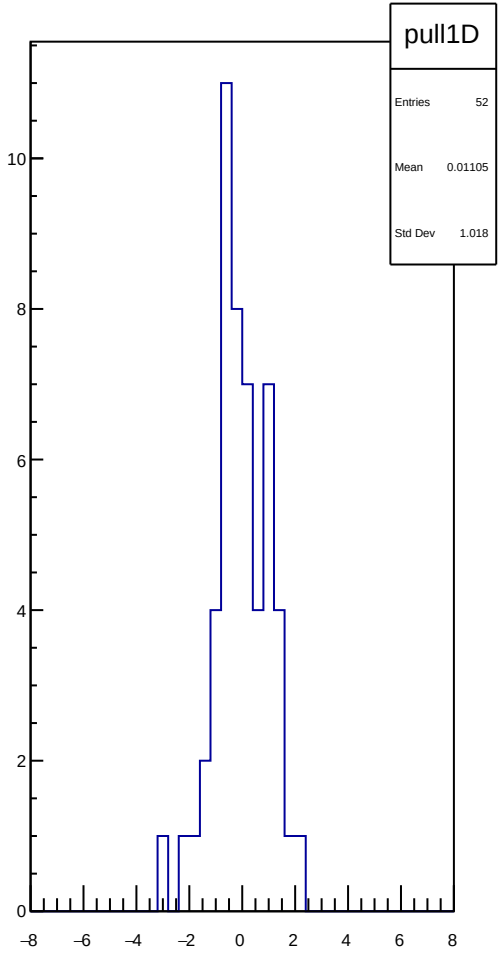

asym_atl_avg_eigen_cor_correction_rms vs run
χ² / ndf 2.12e+05 / 51
p0 409.7 ± 0.4539
12000
10000
8000
6000
4000
2000
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

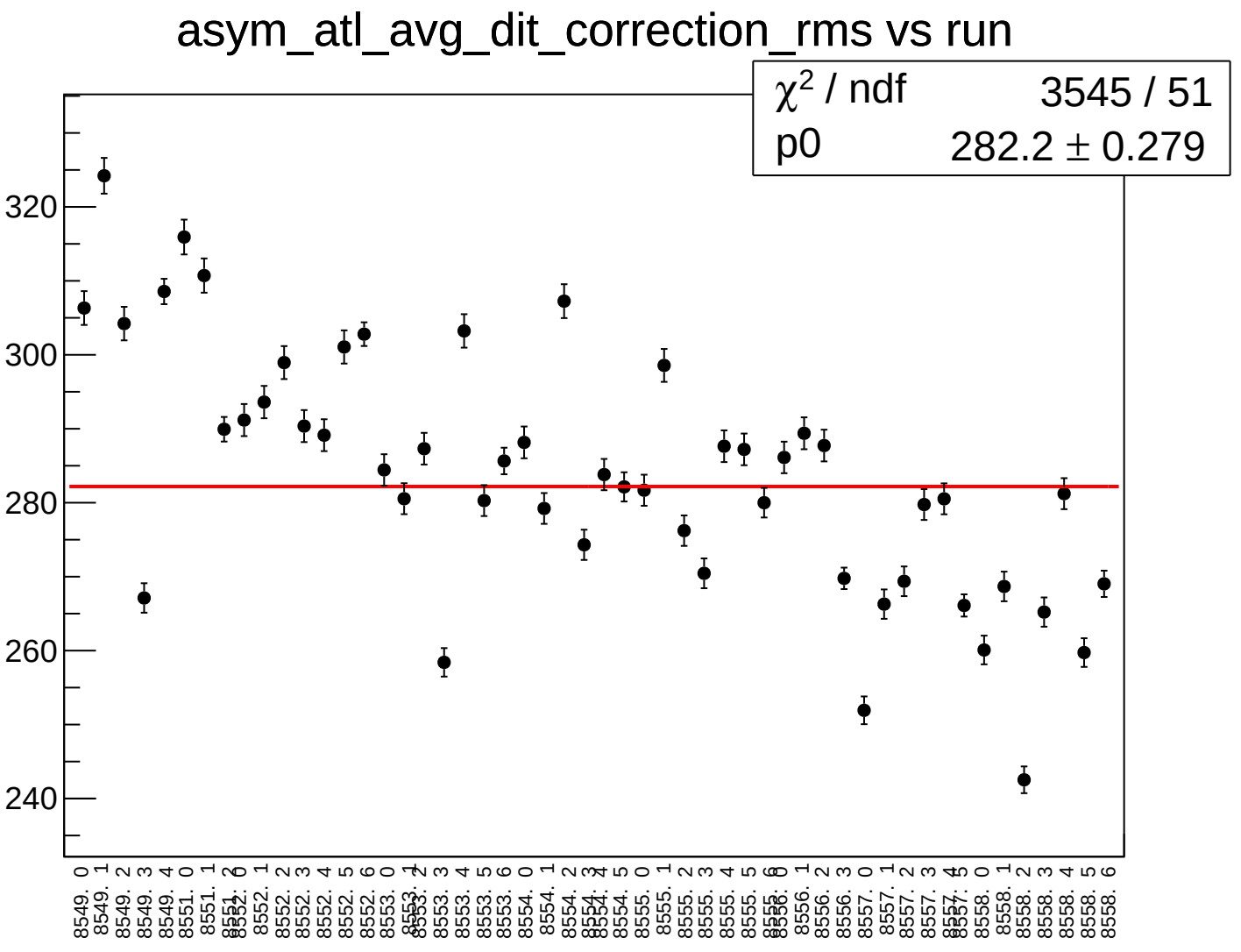

dit_asym_atl_avg_mean vs run
×10^3
χ² / ndf 40.05 / 50
p0 7952 ± 2.466e+04
pull
Entries 51
Mean −78.98
Std Dev 0


pull1D
Entries 51
Mean 0.01934
Std Dev 0.8859


dit_asym_atl_avg_rms vs run
χ2 / ndf 3.092e+05 / 51
p0 1.477e+04 ± 17.44
×10^3
800
700
600
500
400
300
200
100
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 0
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 1
8553. 2
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 5
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6


asym_atl_avg_dit_correction_mean vs run
χ^2 / ndf 53.89 / 51
p0 84.05 ± 394.5
10000
5000
0
−5000
−10000
pull
Entries 52
Mean 85.09
Std Dev 0
2
1
0
−1
−2
−3


pull1D
Entries 52
Mean 0.01105
Std Dev 1.018
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


asym_atl_avg_dit_correction_rms vs run
χ² / ndf 3545 / 51
p0 282.2 ± 0.279
320
300
280
260
240
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
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8553. 6
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8554. 1
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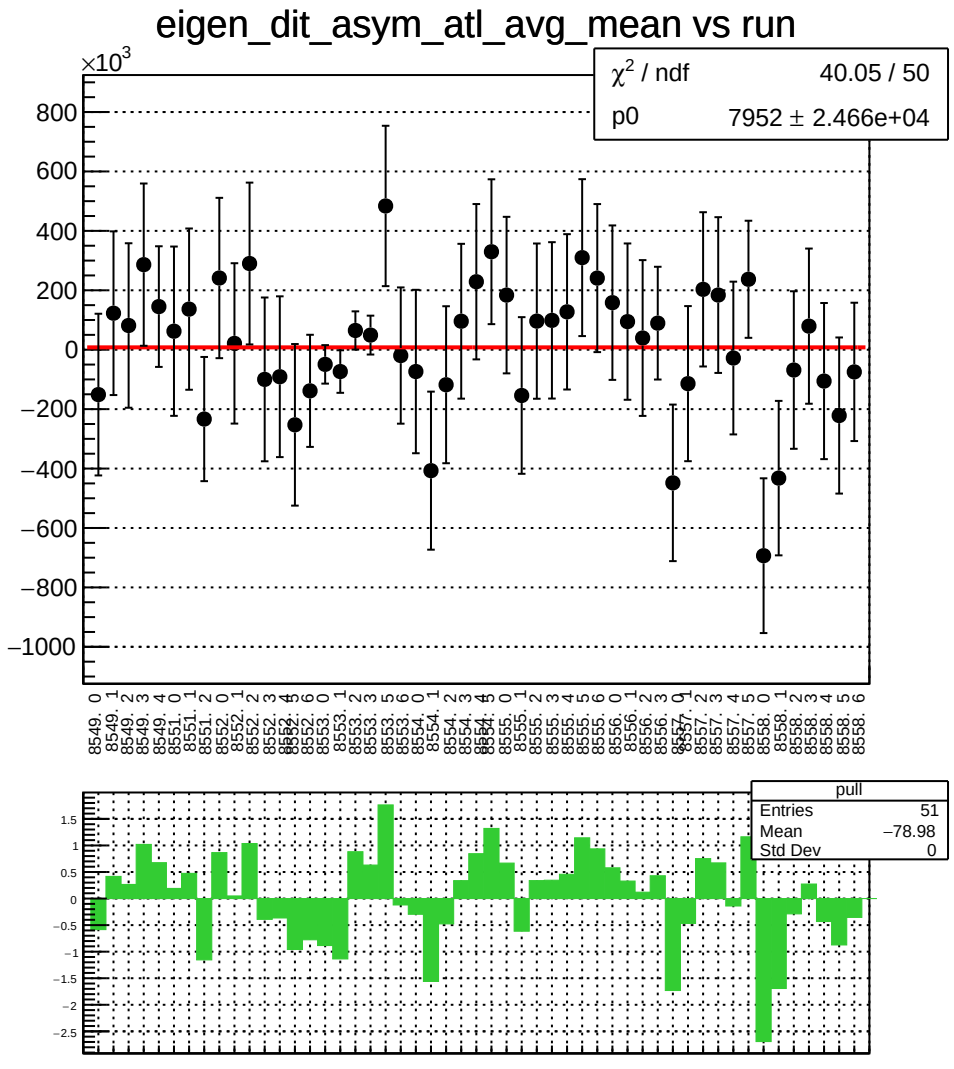
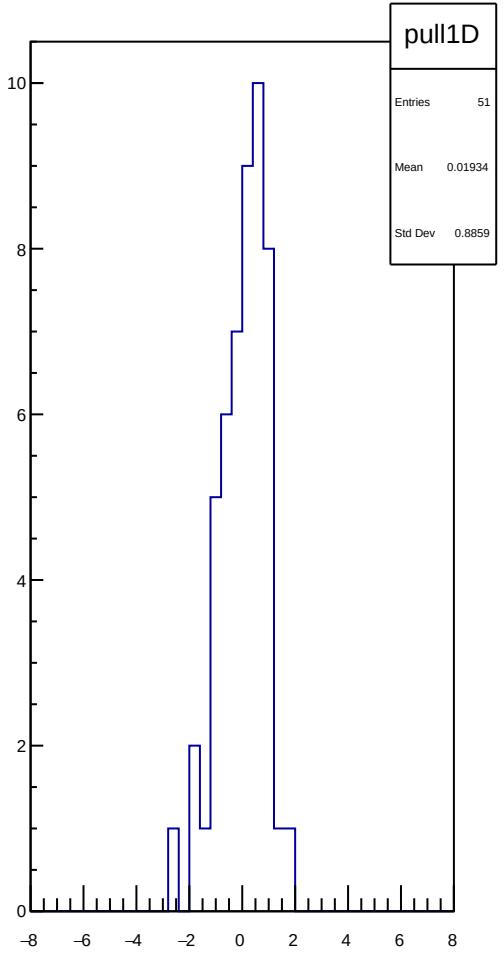
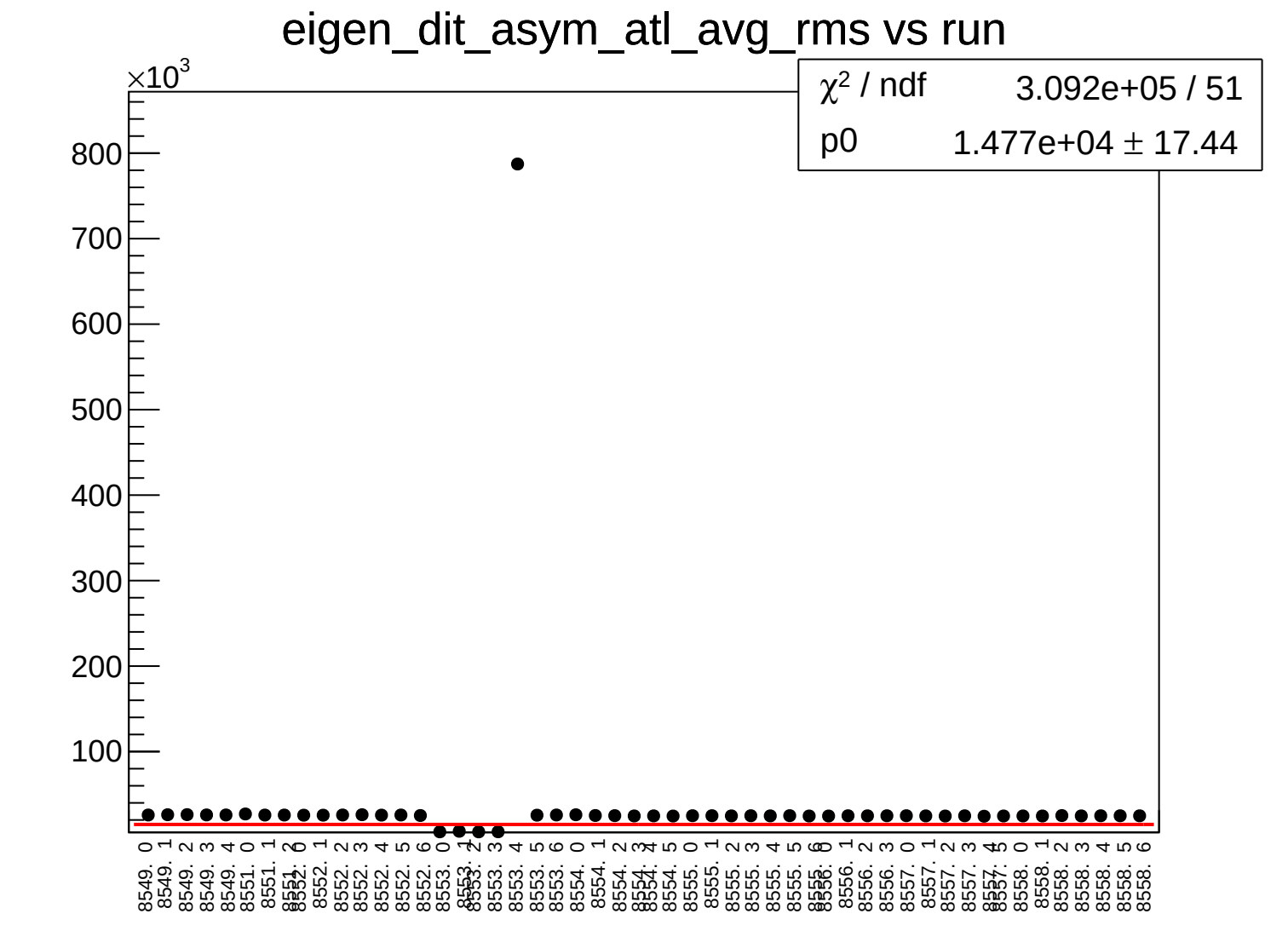
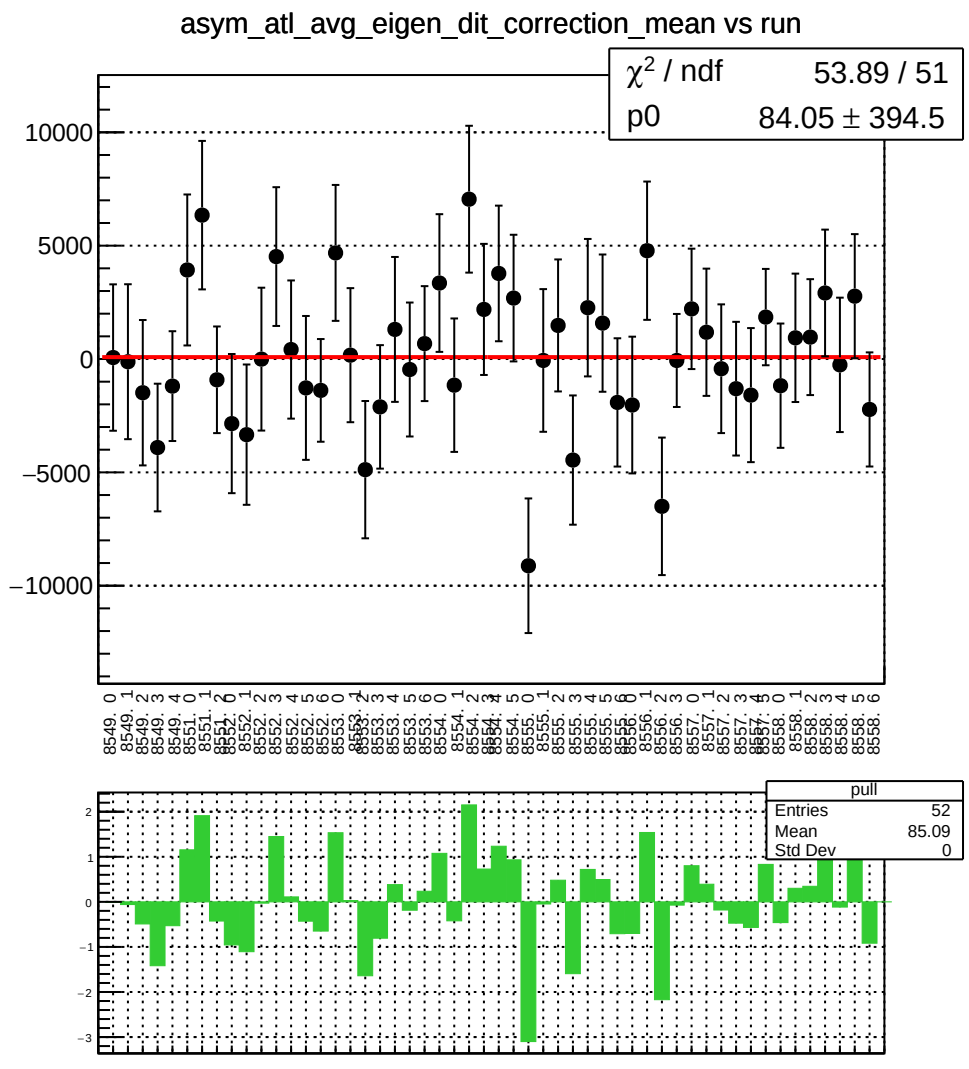
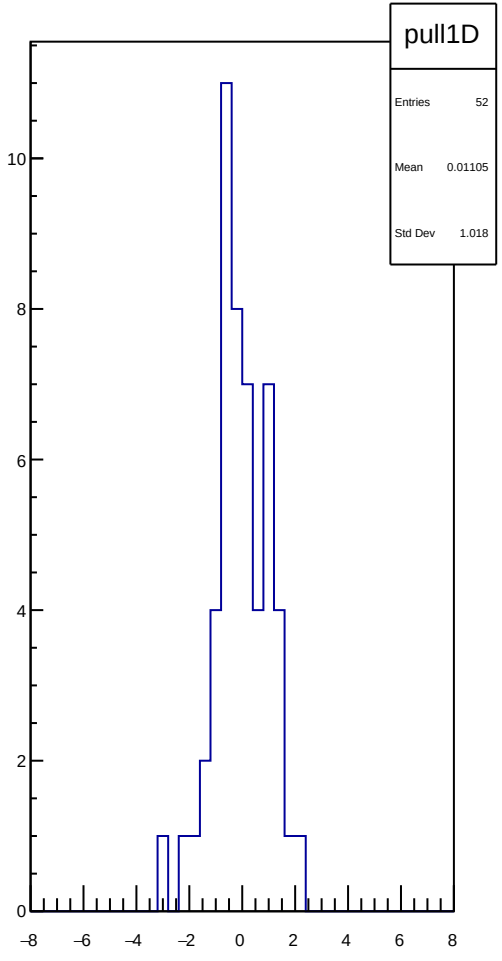
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

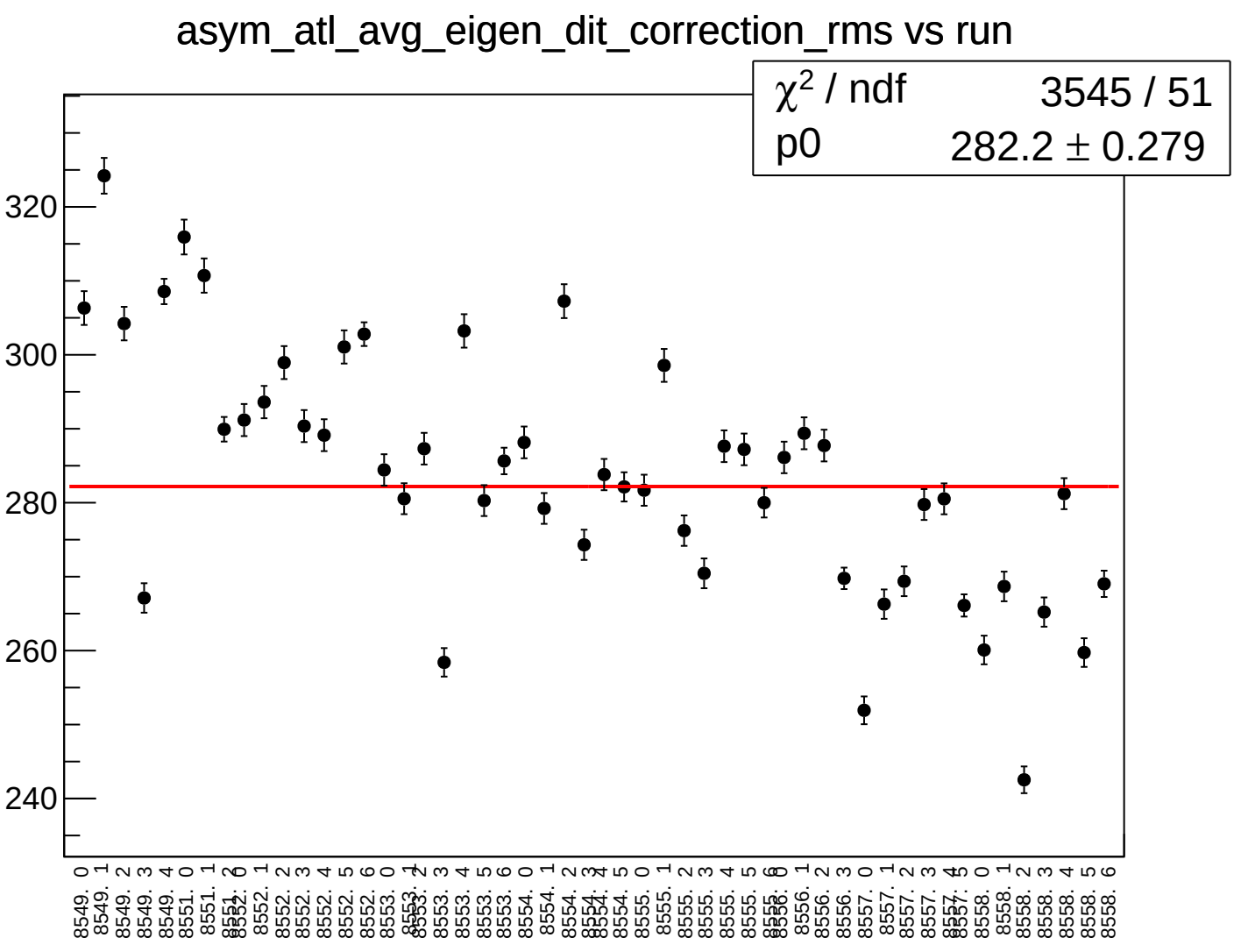

eigen_dit_asym_atl_avg_mean vs run
×10^3
χ² / ndf 40.05 / 50
p0 7952 ± 2.466e+04
pull
Entries 51
Mean −78.98
Std Dev 0

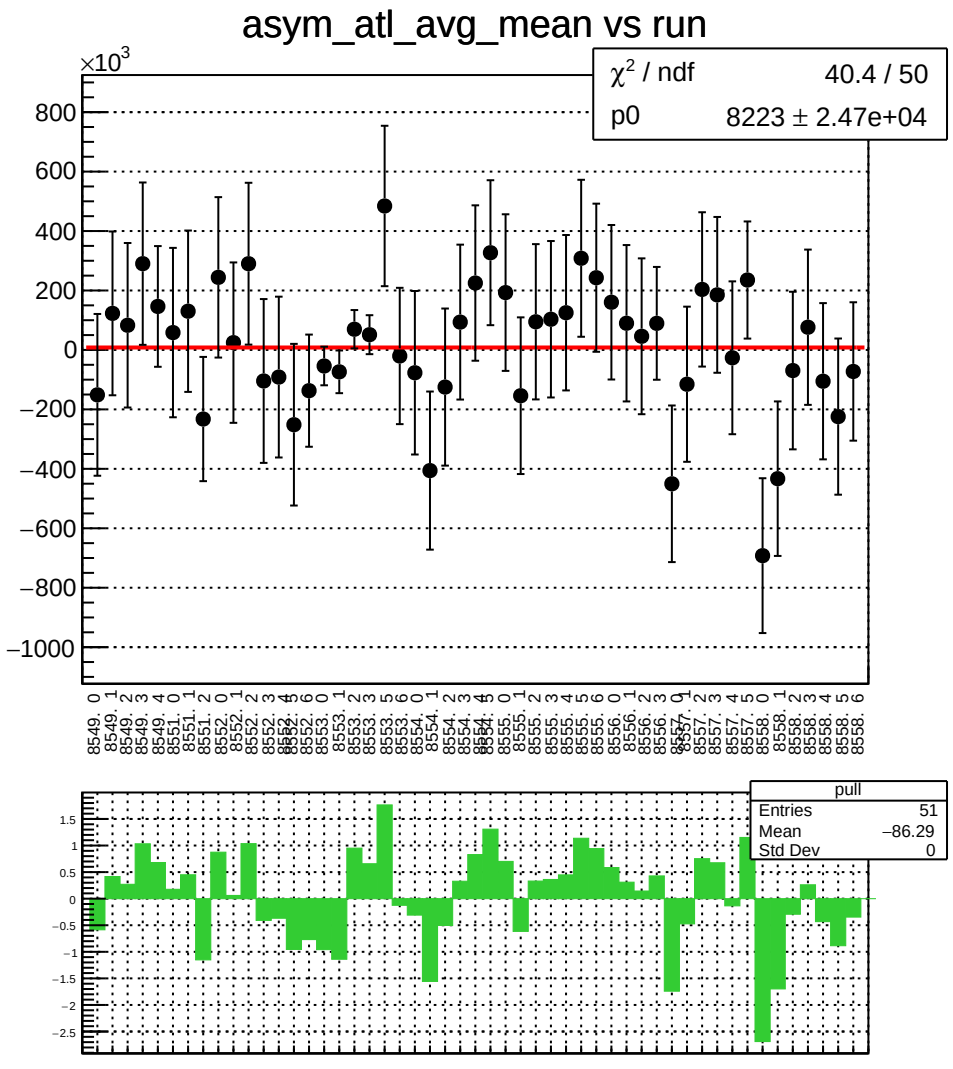

pull1D
Entries 51
Mean 0.01934
Std Dev 0.8859

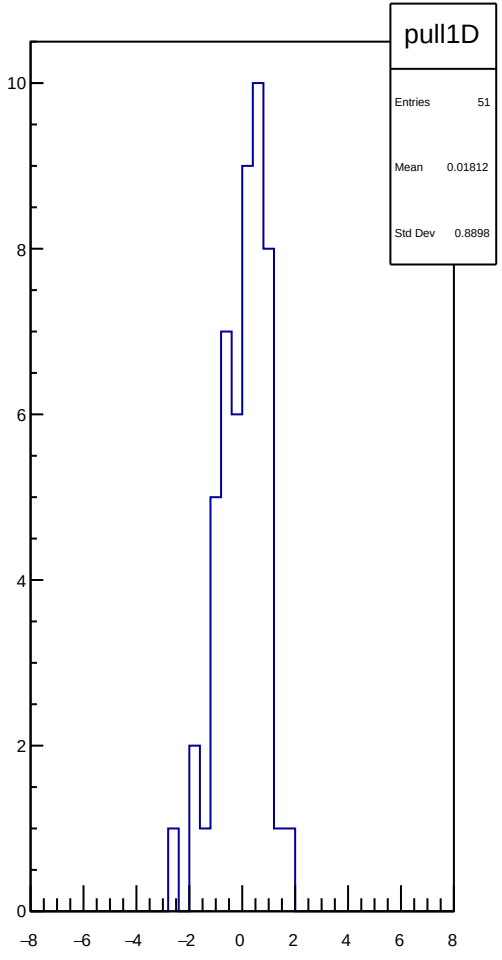

eigen_dit_asym_atl_avg_rms vs run
×10^3
800
700
600
500
400
300
200
100
χ² / ndf 3.092e+05 / 51
p0 1.477e+04 ± 17.44
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

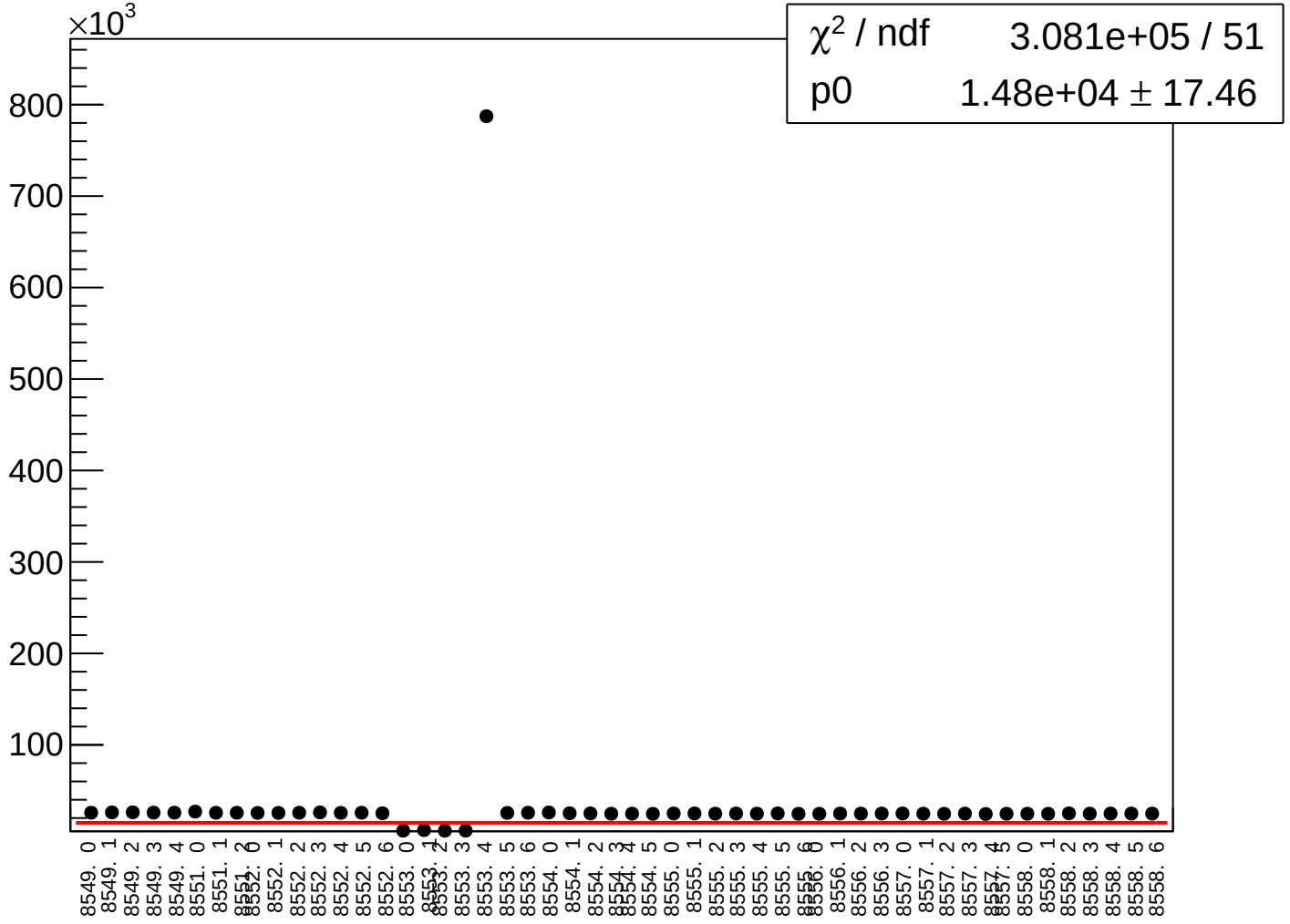

asym_atl_avg_eigen_dit_correction_mean vs run
χ² / ndf 53.89 / 51
p0 84.05 ± 394.5
10000
5000
0
−5000
−10000
pull
Entries 52
Mean 85.09
Std Dev 0
2
1
0
−1
−2
−3

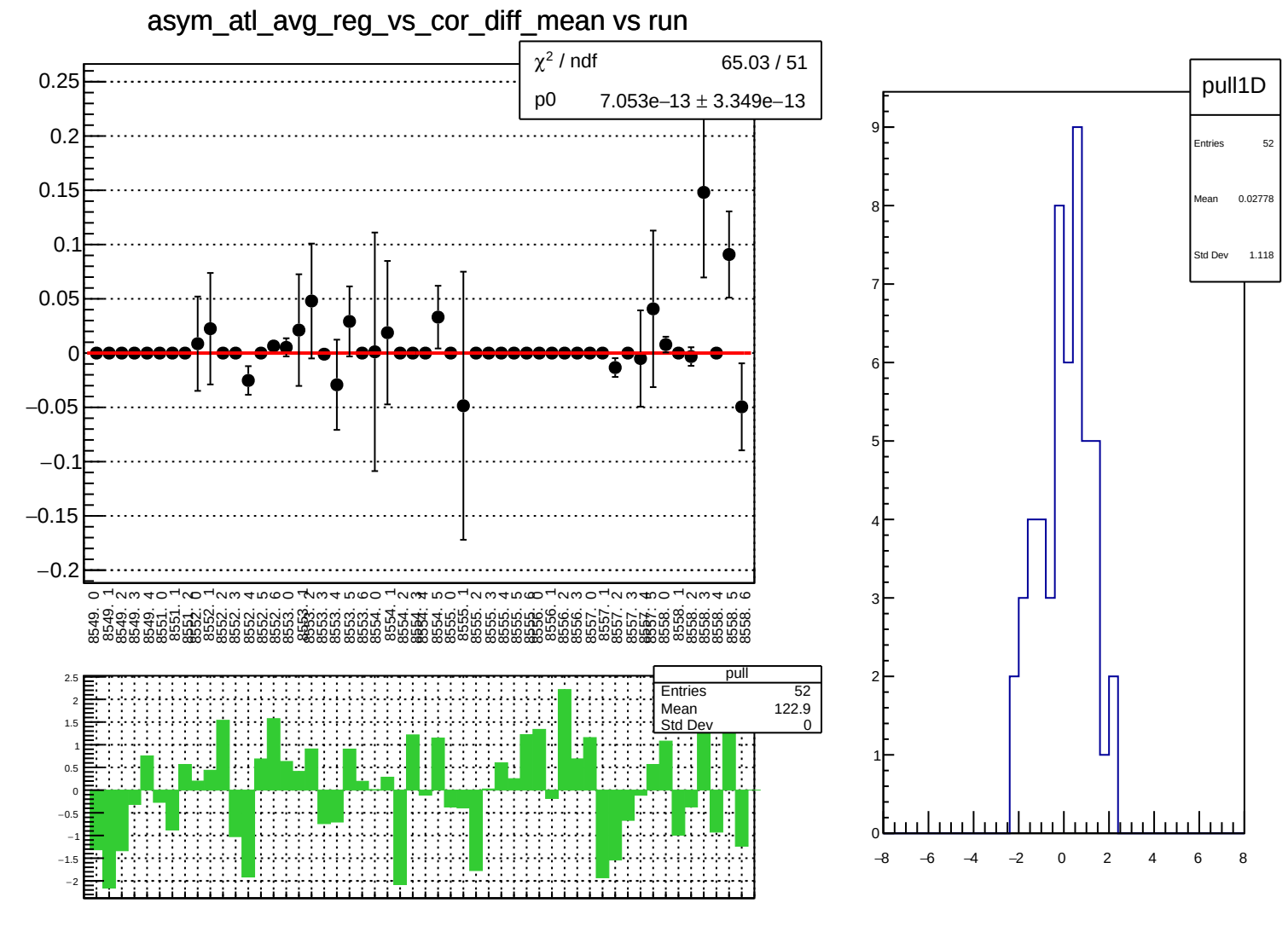

pull1D
Entries 52
Mean 0.01105
Std Dev 1.018
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

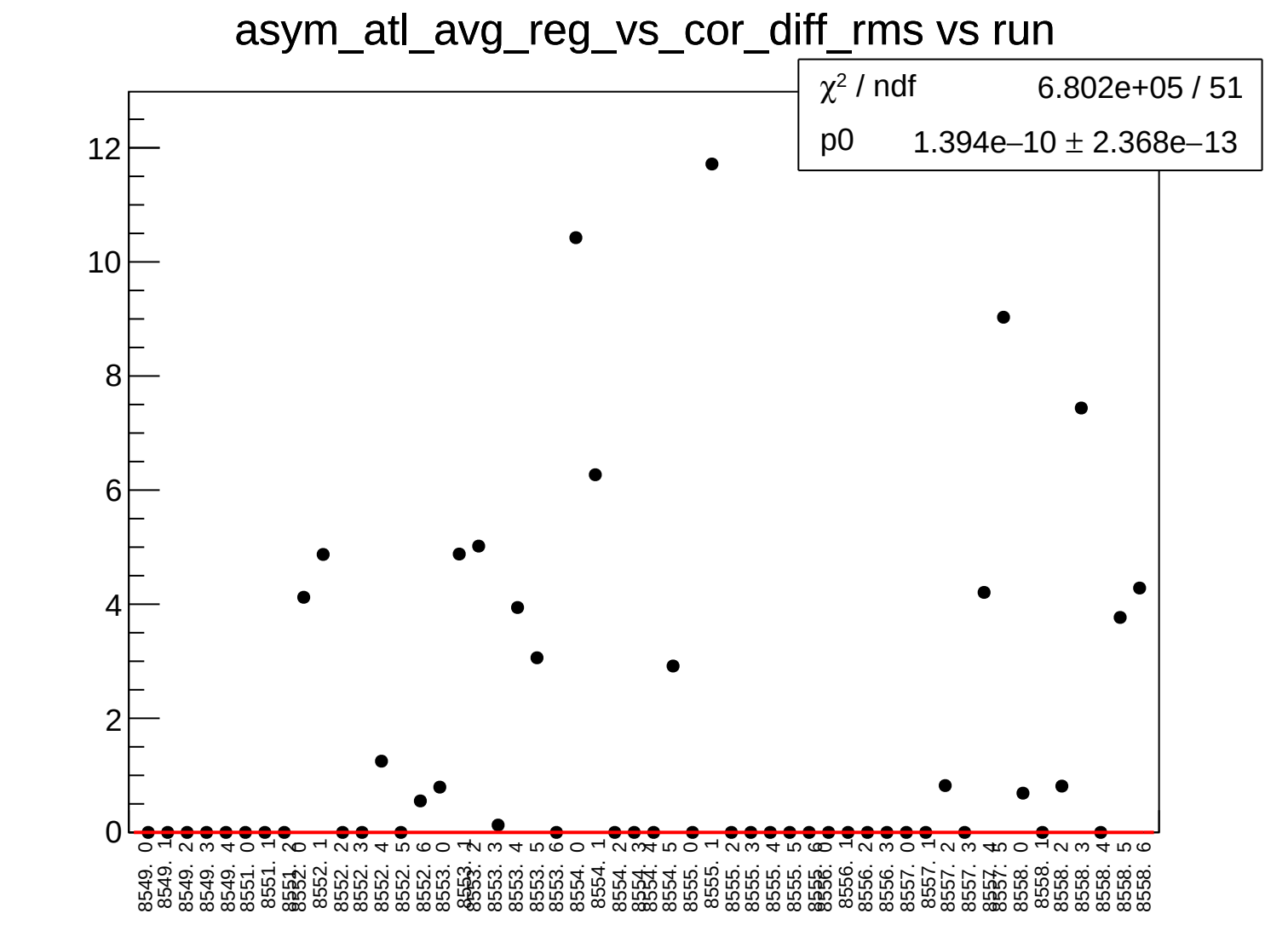

asym_atl_avg_eigen_dit_correction_rms vs run
χ² / ndf 3545 / 51
p0 282.2 ± 0.279
320
300
280
260
240
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 5
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

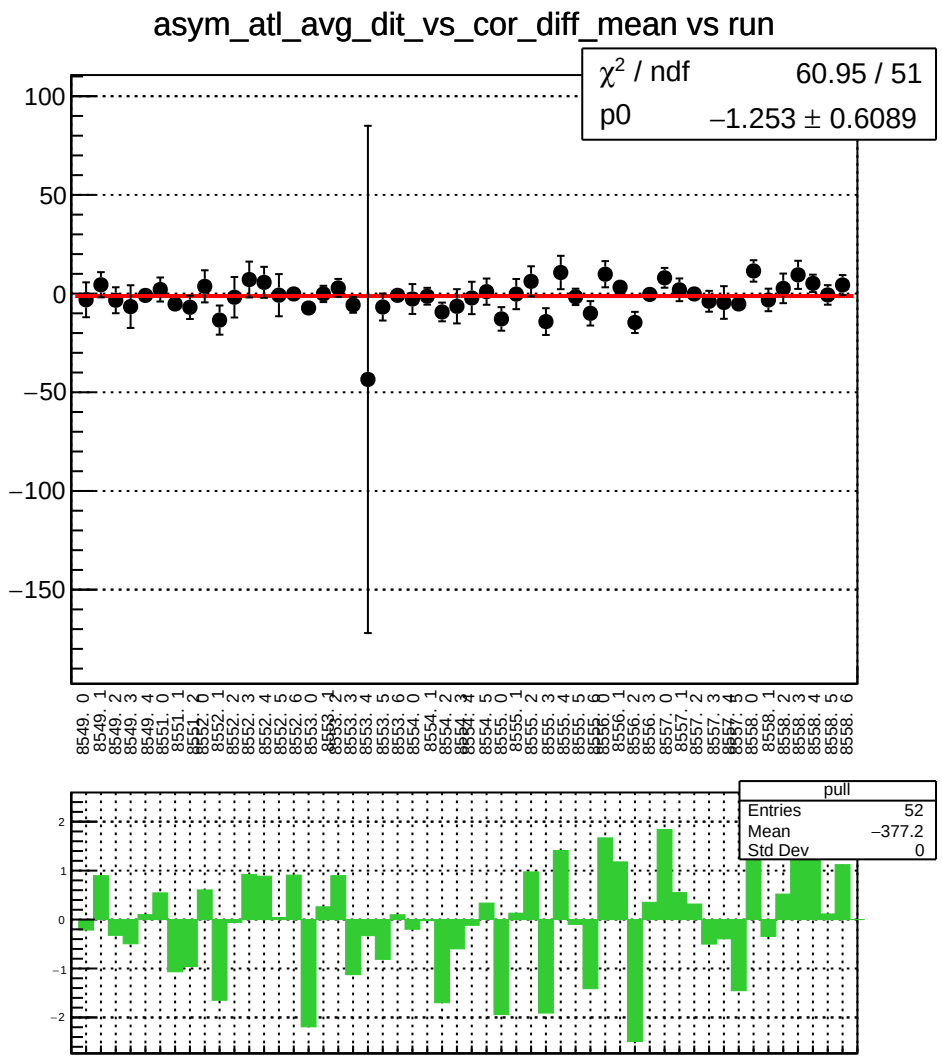

asym_atl_avg_mean vs run
×10^3
χ² / ndf 40.4 / 50
p0 8223 ± 2.47e+04
800
600
400
200
0
−200
−400
−600
−800
−1000
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8551. 2
8552. 0
8552. 1
8552. 2
8552. 3
8552. 4
8552. 6
8553. 0
8553. 1
8553. 2
8553. 3
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 3
8554. 4
8554. 5
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8555. 6
8556. 0
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8557. 4
8557. 5
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6
pull
Entries 51
Mean −86.29
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

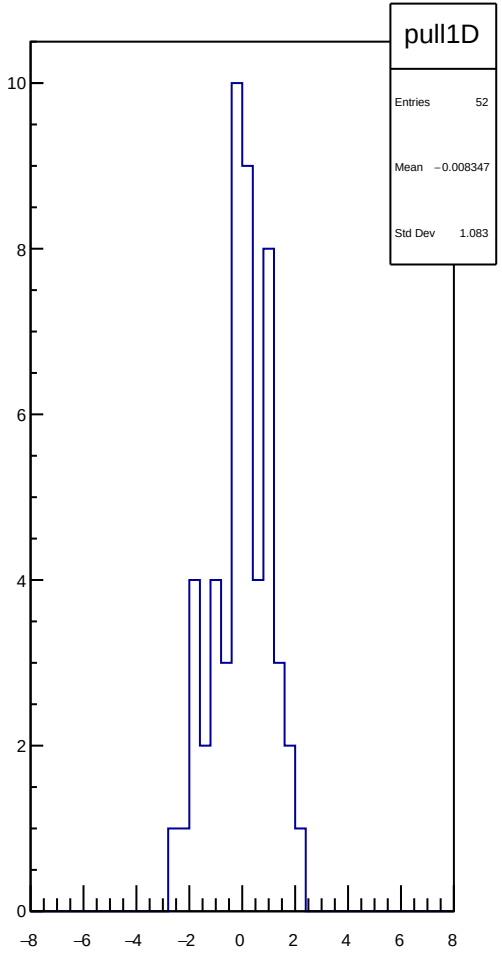

pull1D
Entries 51
Mean 0.01812
Std Dev 0.8898
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

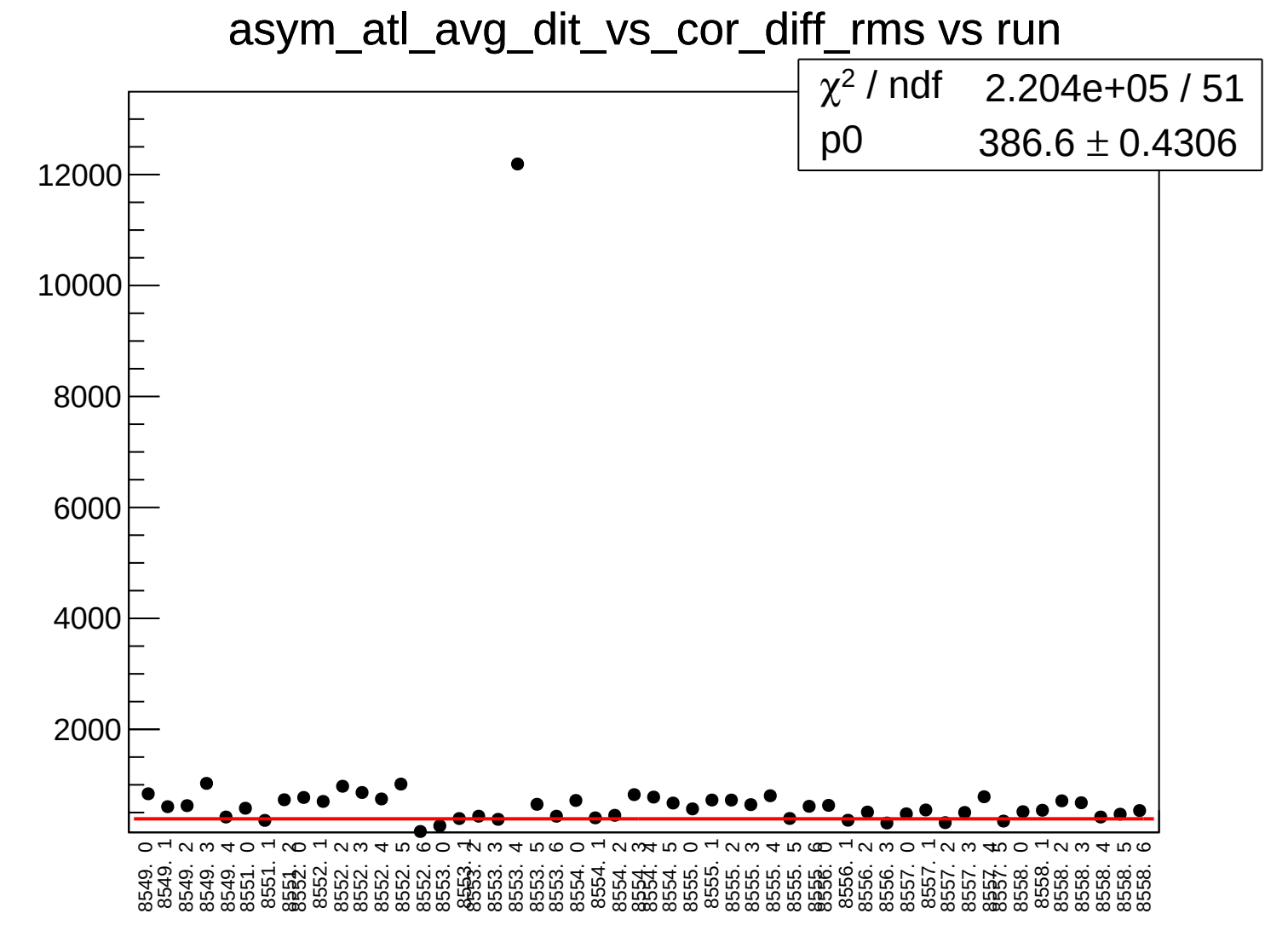

asym_atl_avg_rms vs run
×10^3
800
700
600
500
400
300
200
100
χ² / ndf 3.081e+05 / 51
p0 1.48e+04 ± 17.46
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 1
8553. 2
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 5
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

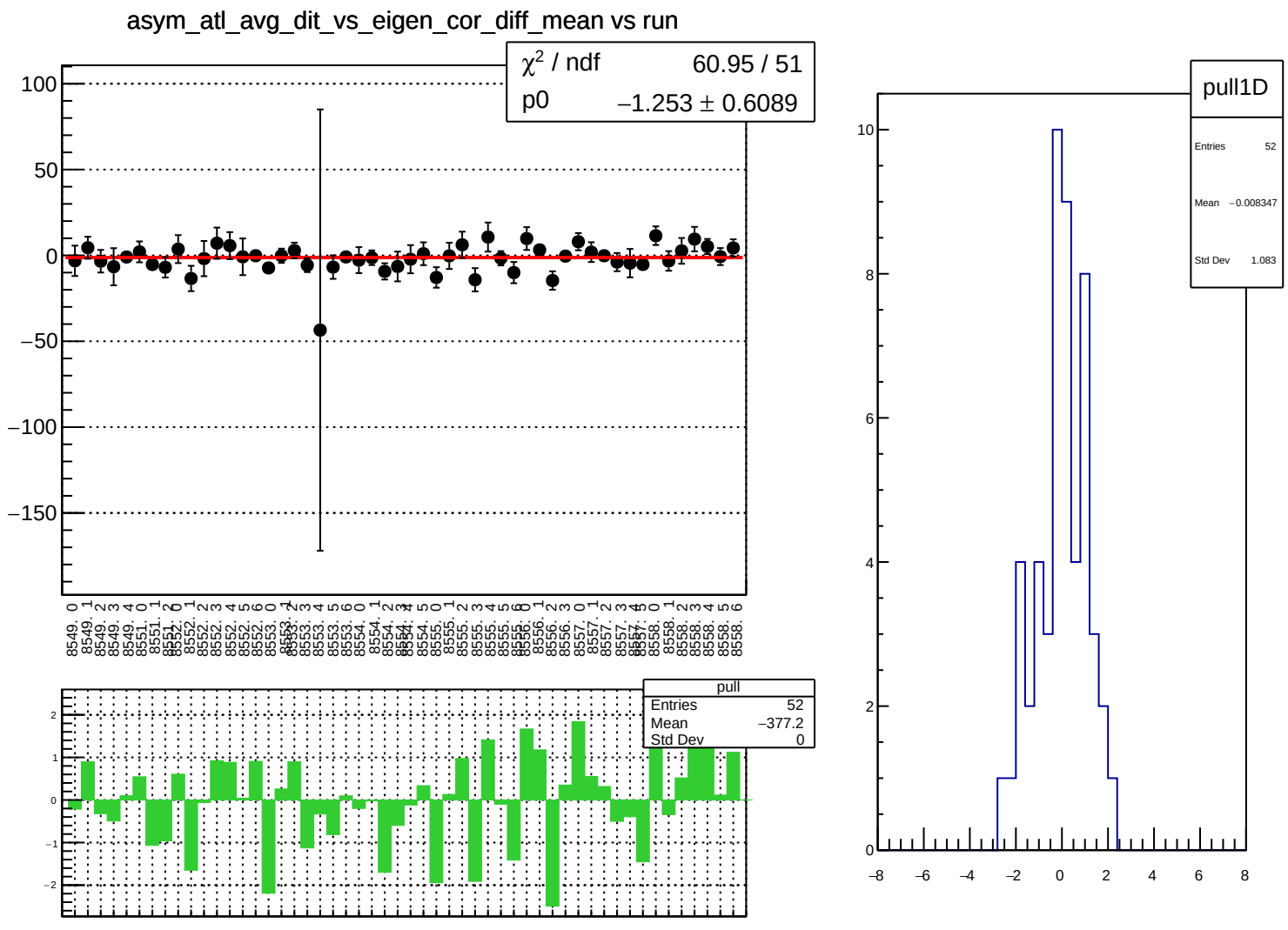

asym_atl_avg_reg_vs_cor_diff_mean vs run
χ² / ndf 65.03 / 51
p0 7.053e−13 ± 3.349e−13
pull
Entries 52
Mean 122.9
Std Dev 0
pull1D
Entries 52
Mean 0.02778
Std Dev 1.118

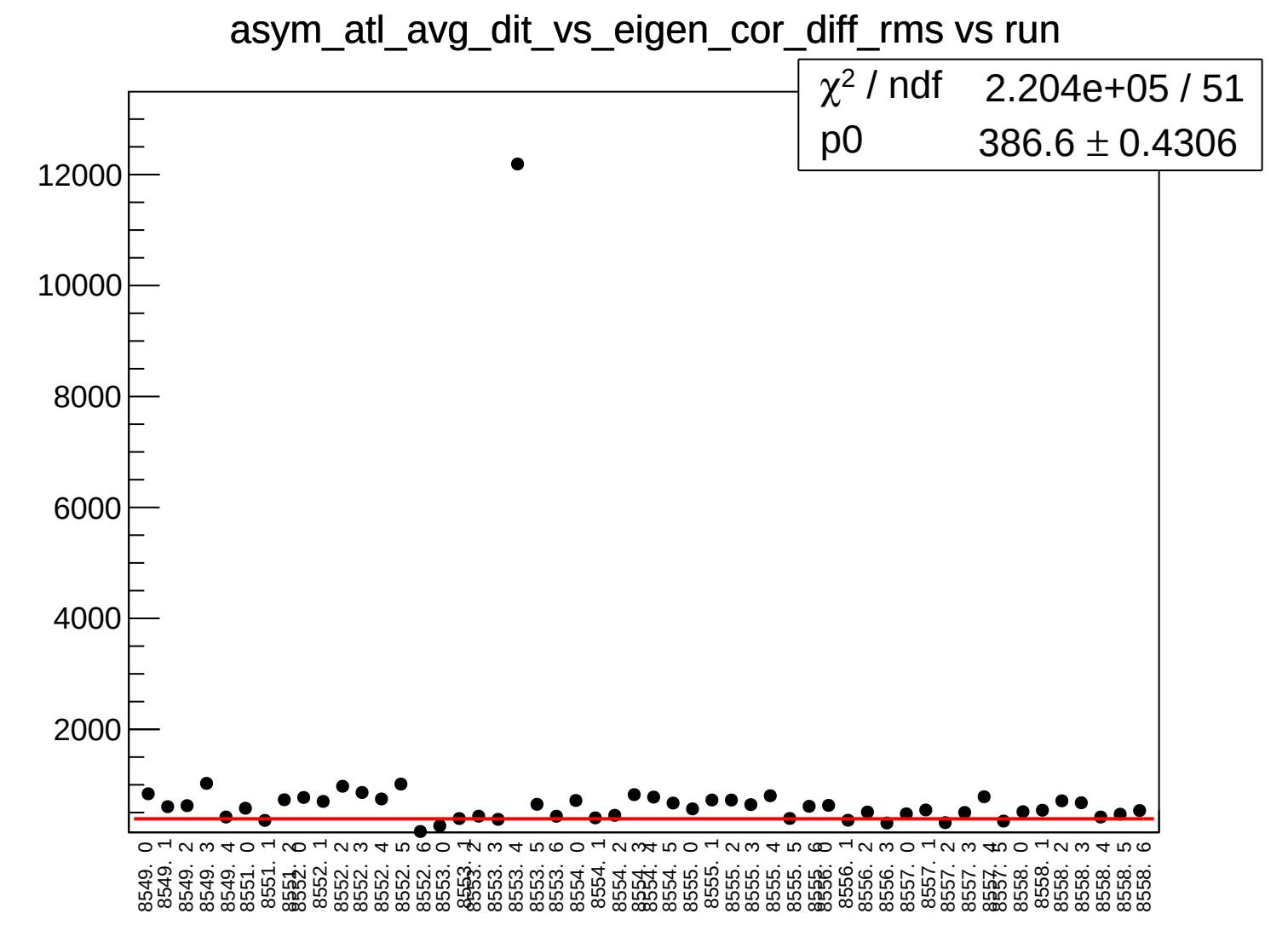

asym_atl_avg_reg_vs_cor_diff_rms vs run
χ² / ndf 6.802e+05 / 51
p0 1.394e−10 ± 2.368e−13
0
2
4
6
8
10
12
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 5
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

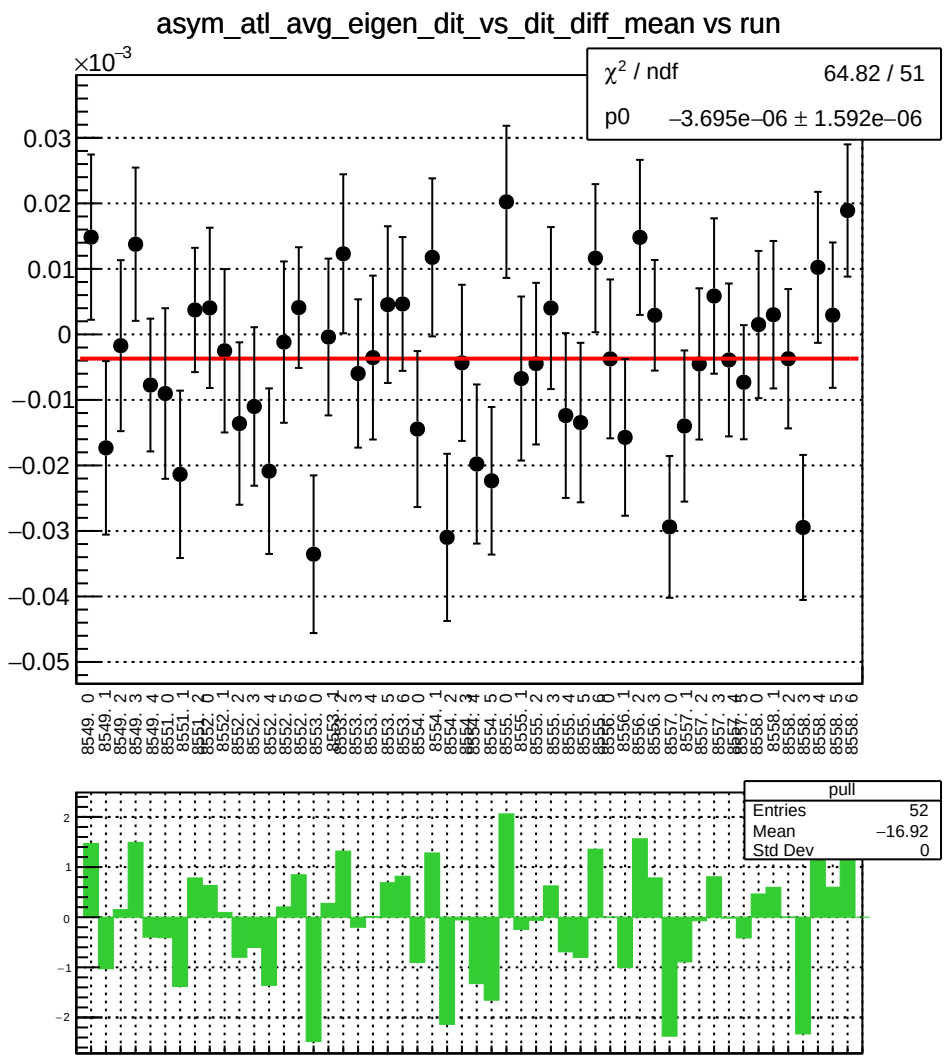

asym_atl_avg_dit_vs_cor_diff_mean vs run
χ² / ndf 60.95 / 51
p0 −1.253 ± 0.6089
pull
Entries 52
Mean −377.2
Std Dev 0

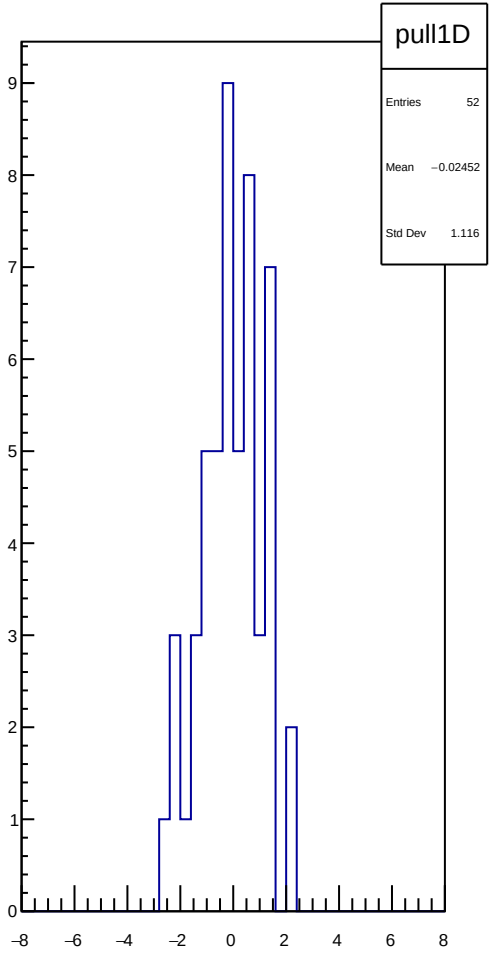

pull1D
Entries 52
Mean −0.008347
Std Dev 1.083

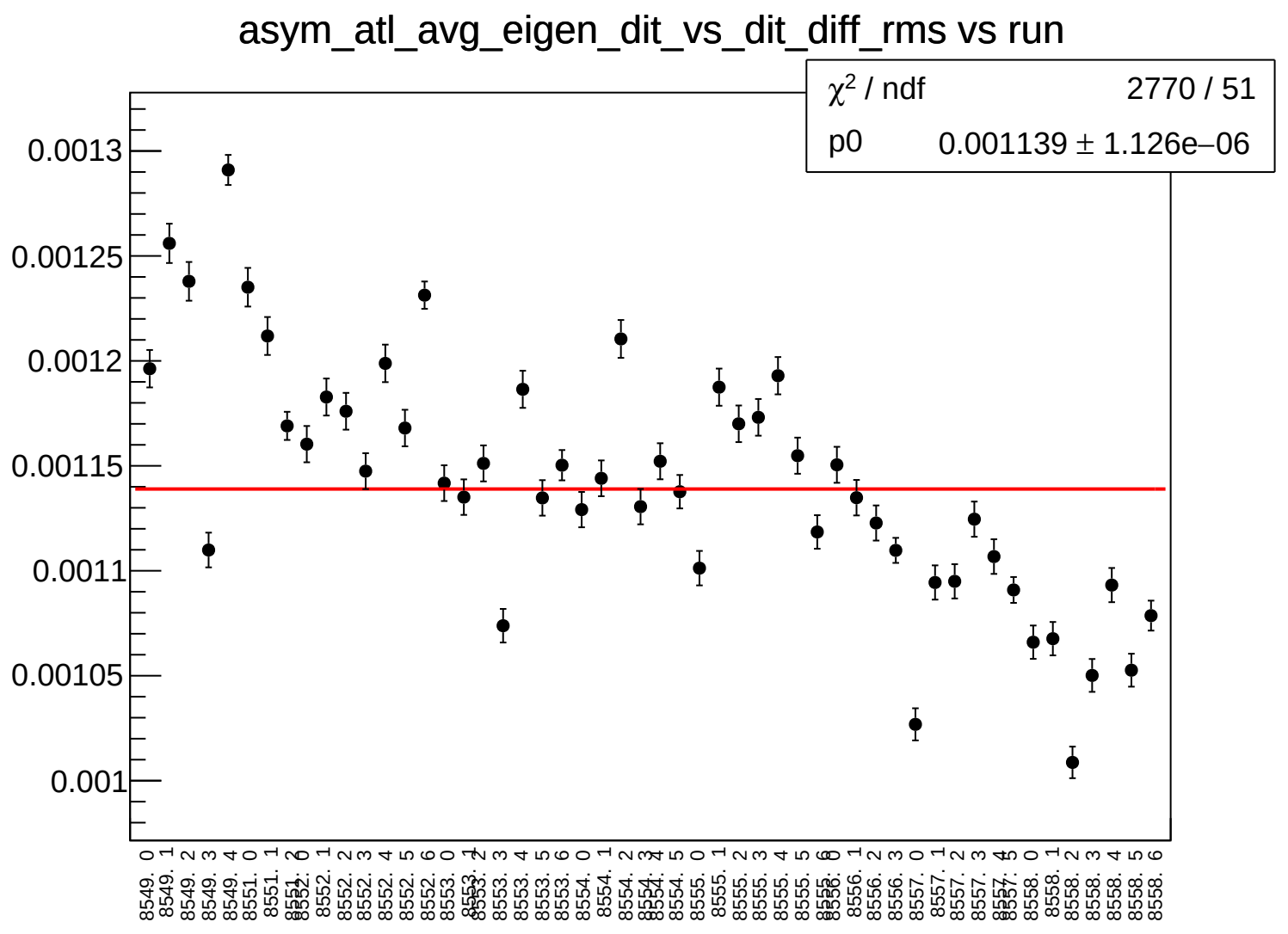

asym_atl_avg_dit_vs_cor_diff_rms vs run
χ² / ndf 2.204e+05 / 51
p0 386.6 ± 0.4306
12000
10000
8000
6000
4000
2000
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

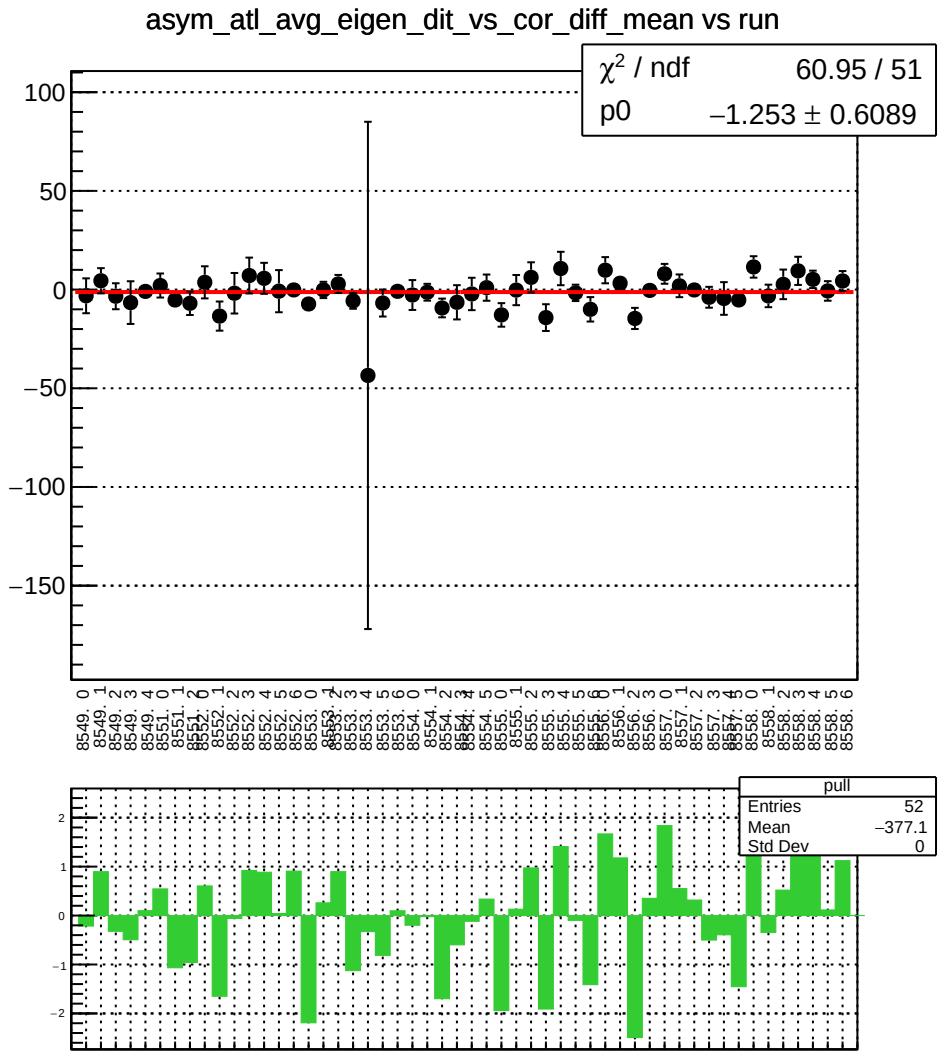

asym_atl_avg_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 60.95 / 51
p0 −1.253 ± 0.6089
pull
Entries 52
Mean −377.2
Std Dev 0
pull1D
Entries 52
Mean −0.008347
Std Dev 1.083

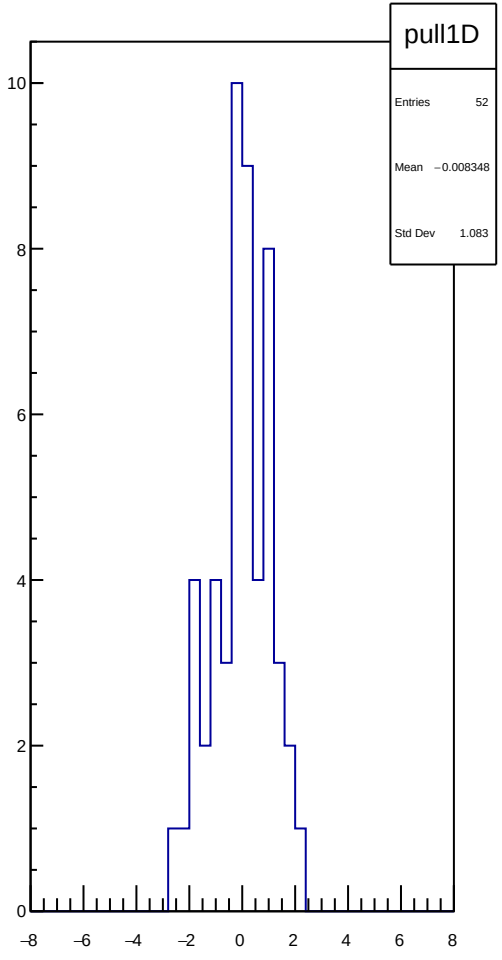

asym_atl_avg_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 2.204e+05 / 51
p0 386.6 ± 0.4306
12000
10000
8000
6000
4000
2000
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

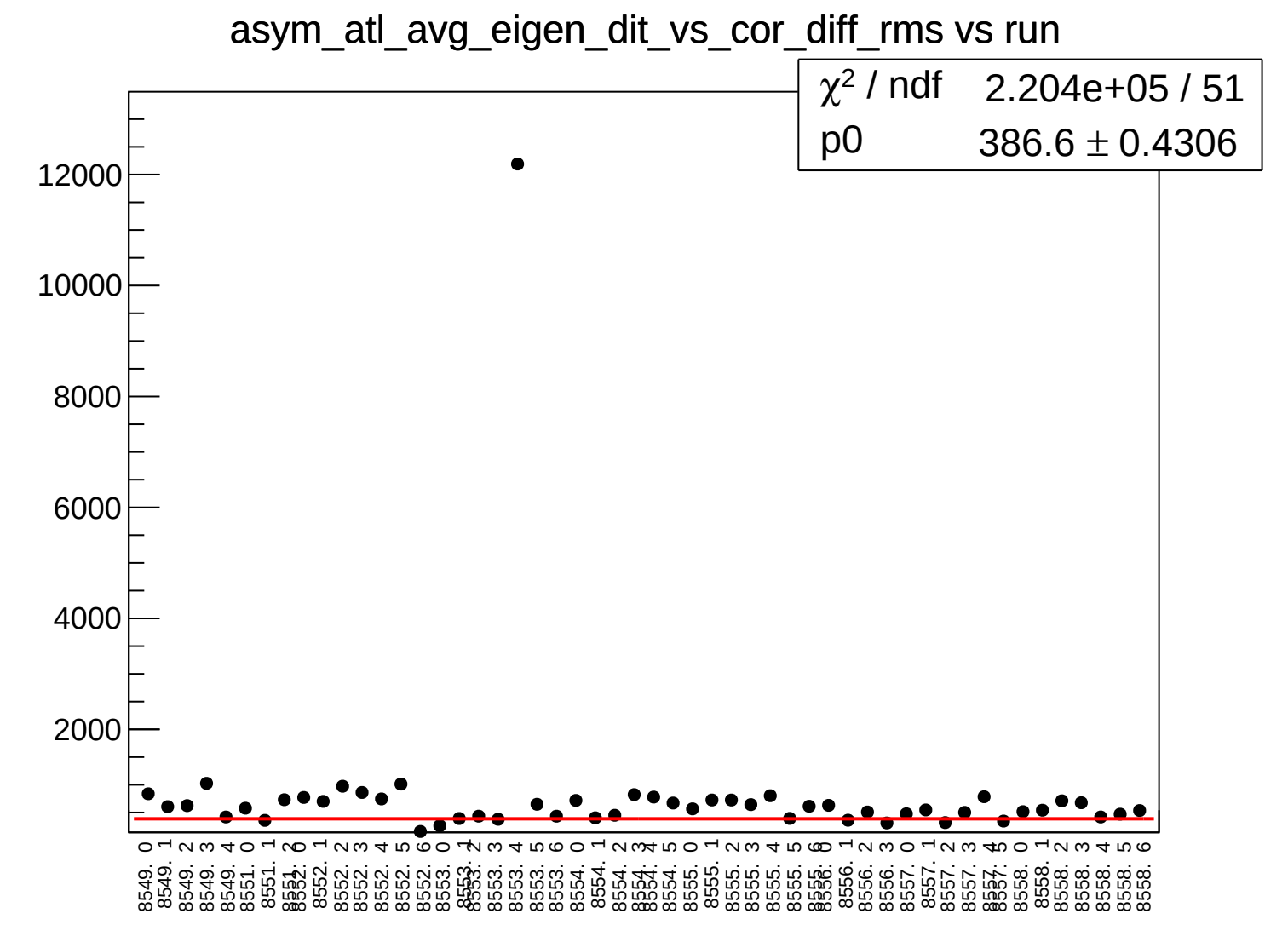

asym_atl_avg_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 64.82 / 51
p0 −3.695e−06 ± 1.592e−06
pull
Entries 52
Mean −16.92
Std Dev 0

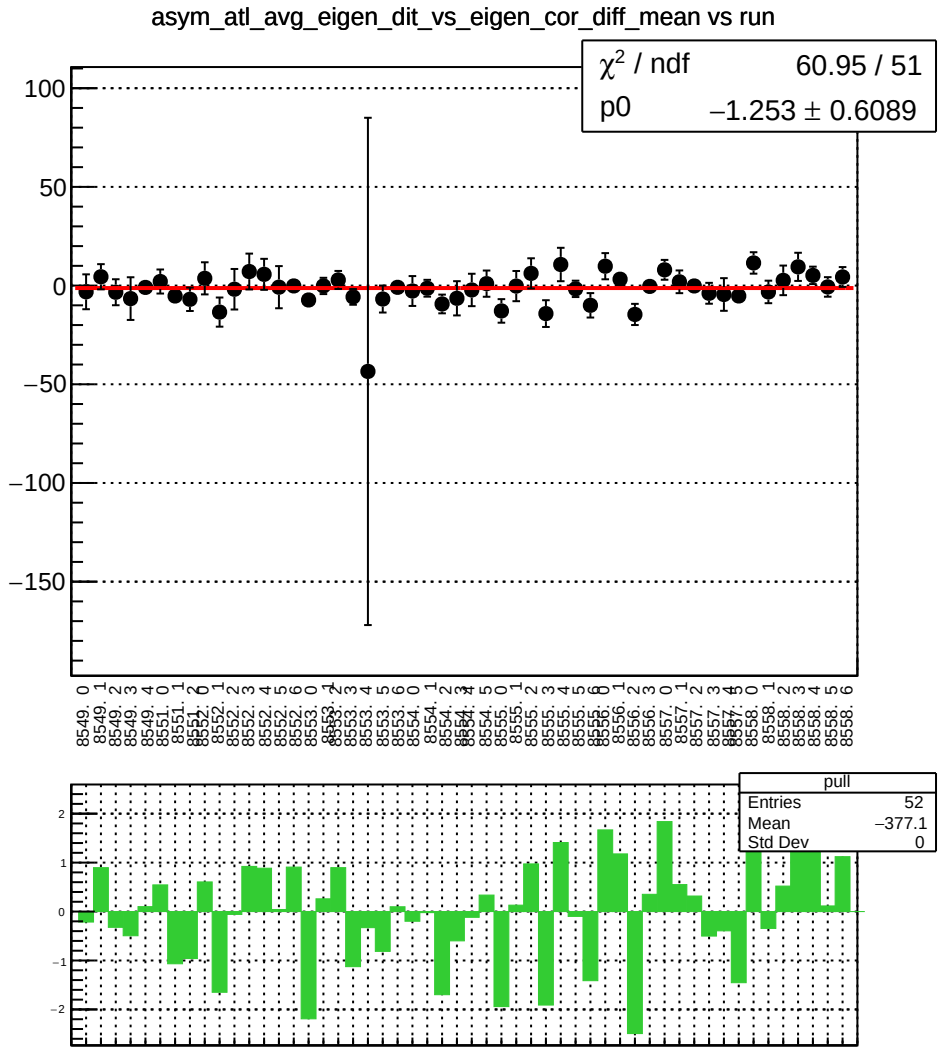

pull1D
Entries 52
Mean −0.02452
Std Dev 1.116

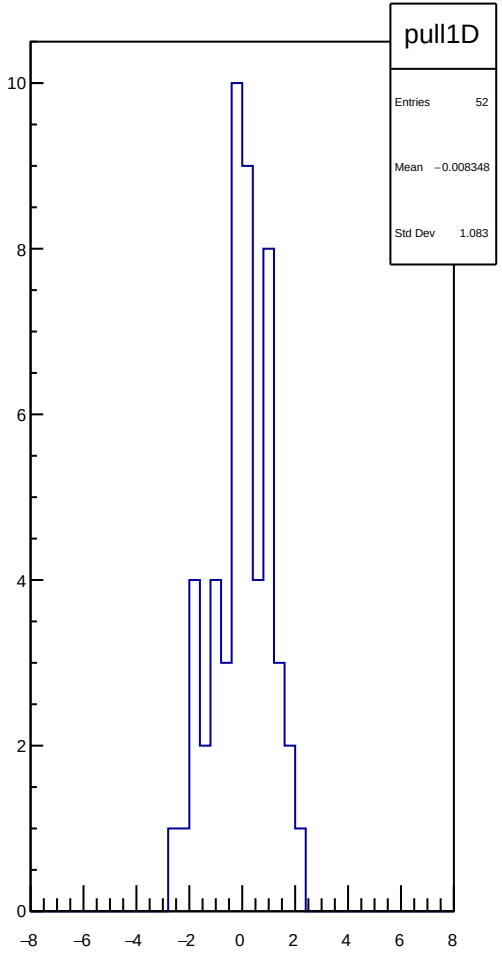

asym_atl_avg_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 2770 / 51
p0 0.001139 ± 1.126e−06
0.0013
0.00125
0.0012
0.00115
0.0011
0.00105
0.001
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

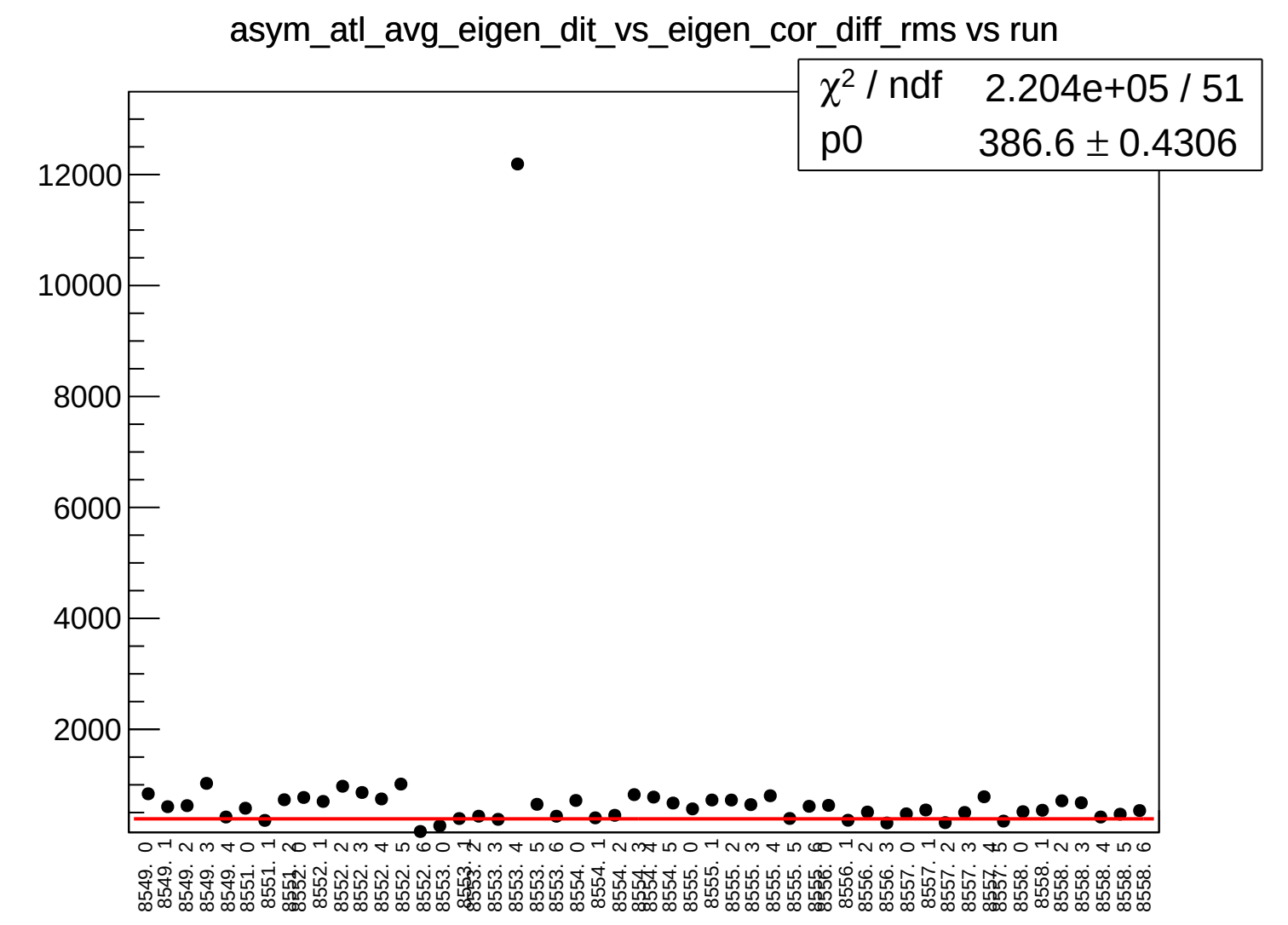

asym_atl_avg_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 60.95 / 51
p0 −1.253 ± 0.6089
pull
Entries 52
Mean −377.1
Std Dev 0

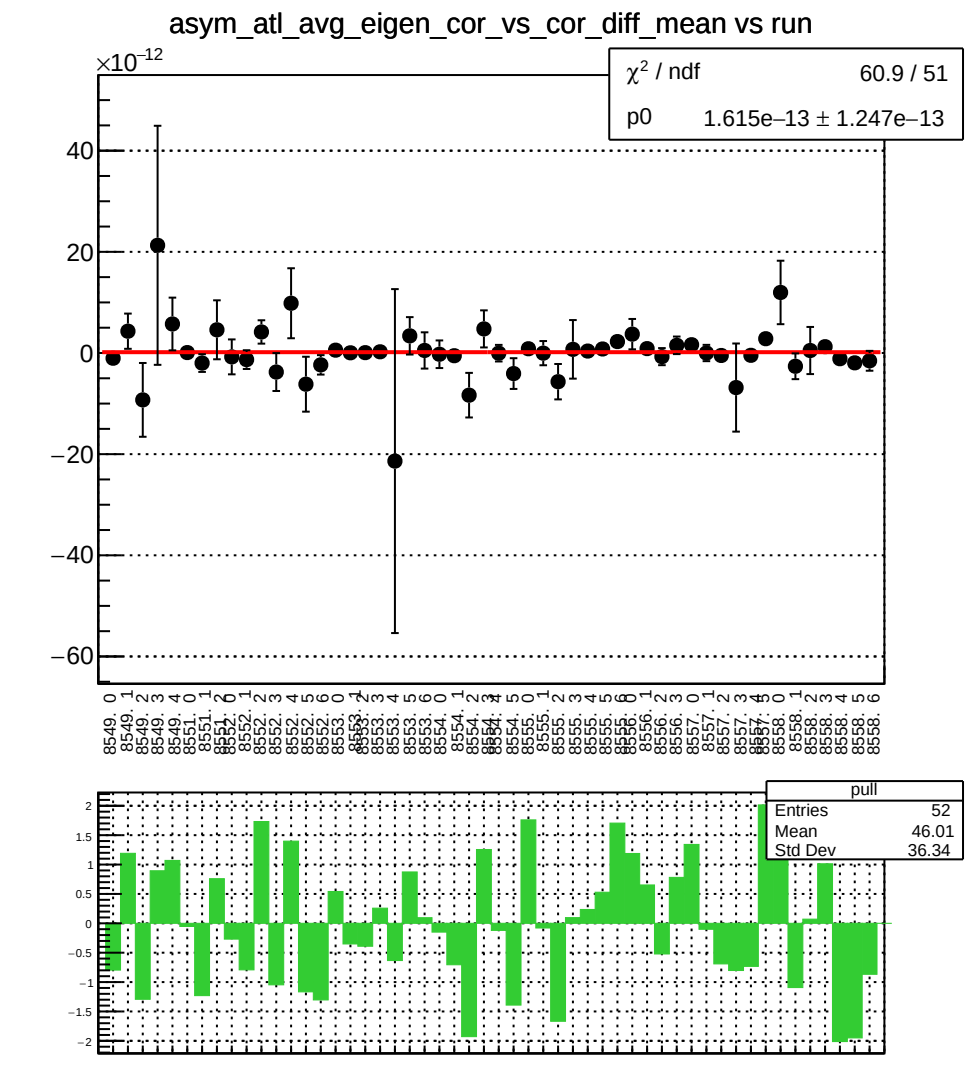

pull1D
Entries 52
Mean −0.008348
Std Dev 1.083

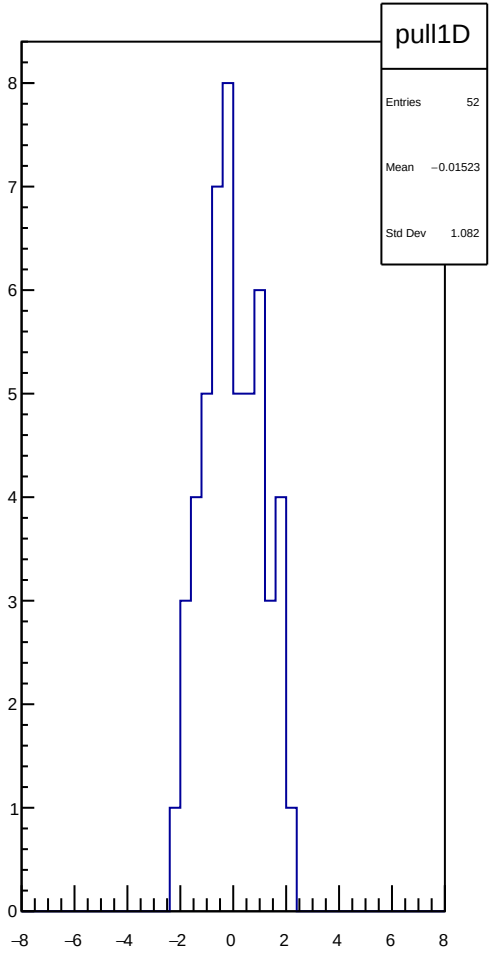

asym_atl_avg_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 2.204e+05 / 51
p0 386.6 ± 0.4306
12000
10000
8000
6000
4000
2000
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

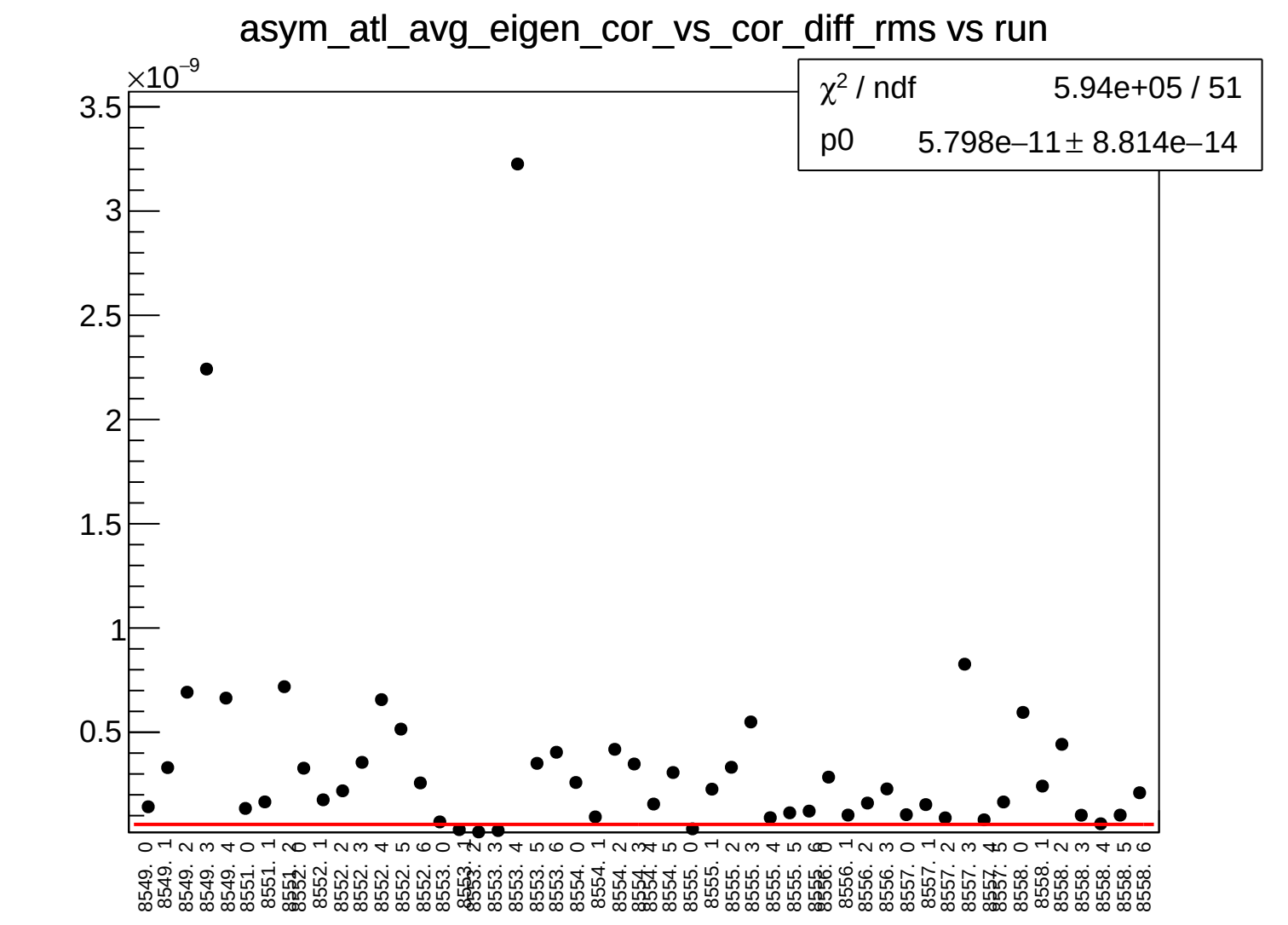

asym_atl_avg_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 60.95 / 51
p0 −1.253 ± 0.6089
pull
Entries 52
Mean −377.1
Std Dev 0

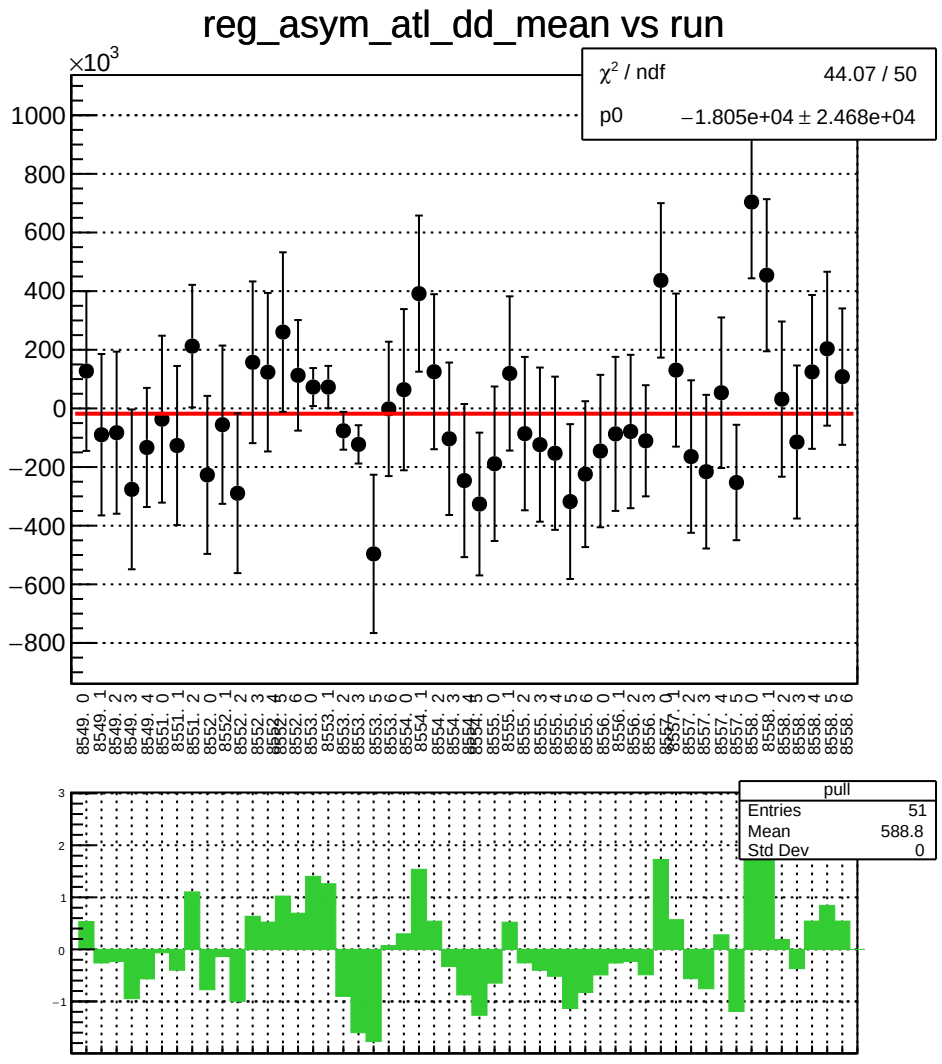

pull1D
Entries 52
Mean −0.008348
Std Dev 1.083

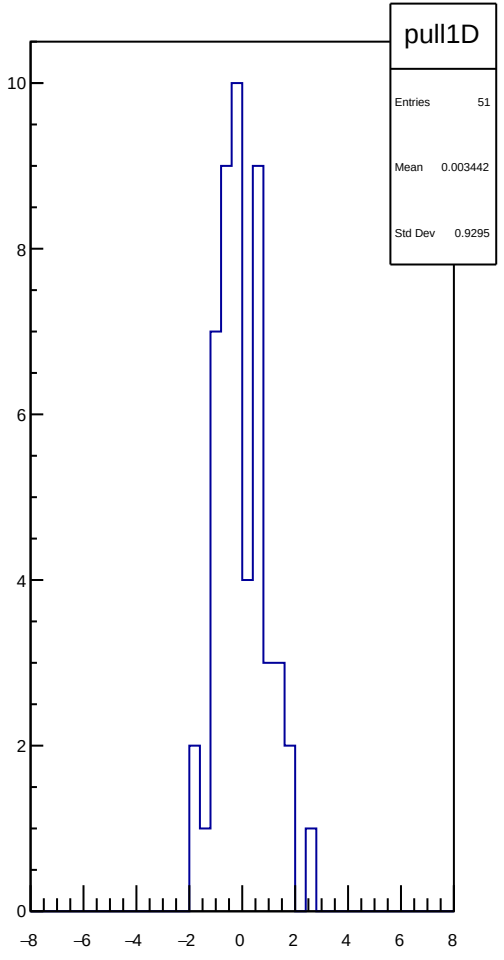

asym_atl_avg_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 2.204e+05 / 51
p0 386.6 ± 0.4306
12000
10000
8000
6000
4000
2000
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

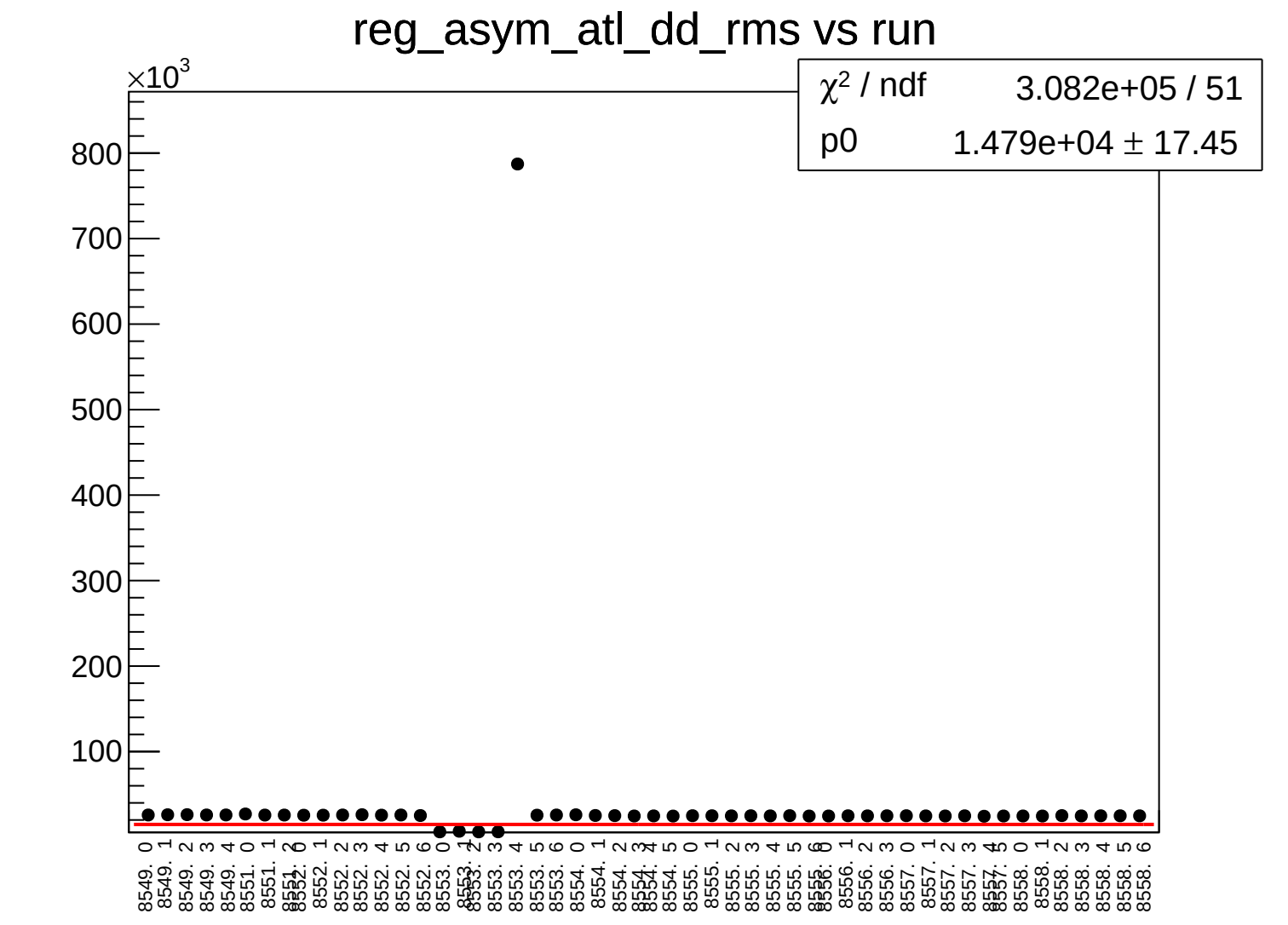

asym_atl_avg_eigen_cor_vs_cor_diff_mean vs run
×10−12
χ2 / ndf 60.9 / 51
p0 1.615e−13 ± 1.247e−13
40
20
0
−20
−40
−60
pull
Entries 52
Mean 46.01
Std Dev 36.34
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

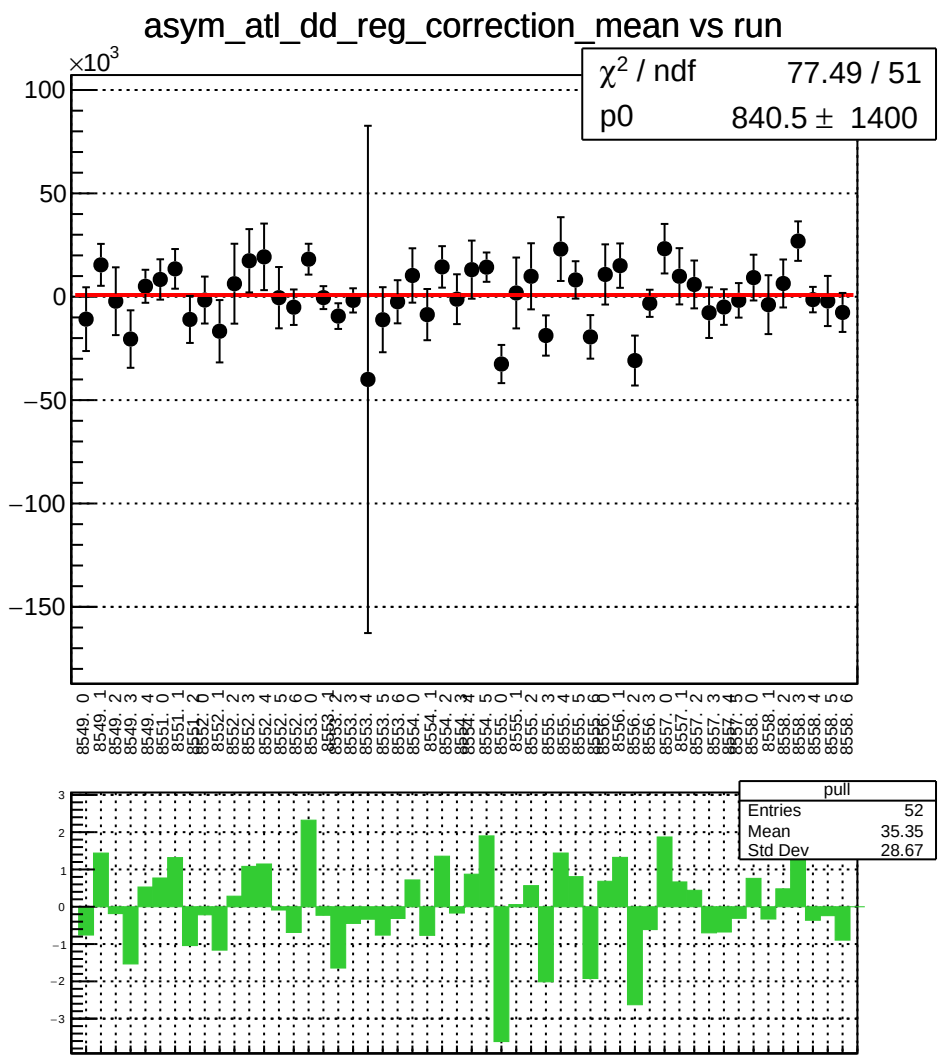

pull1D
Entries 52
Mean −0.01523
Std Dev 1.082
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

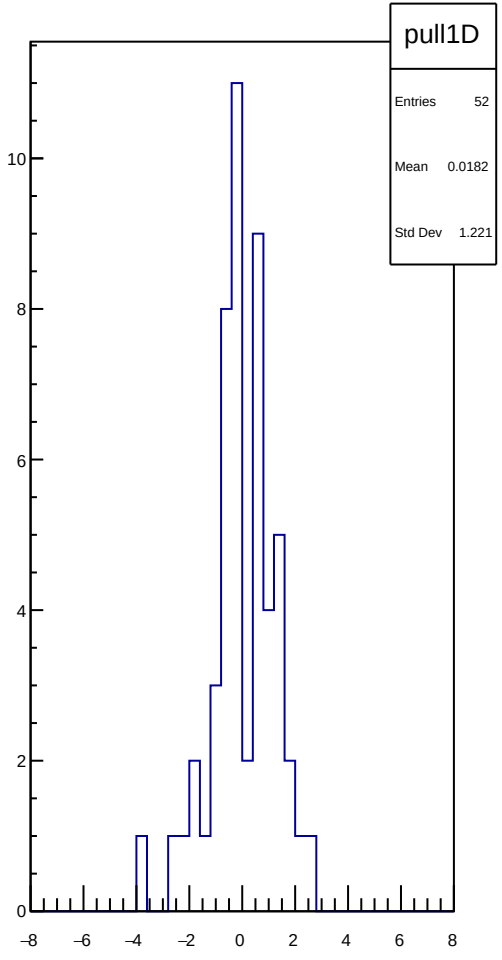

asym_atl_avg_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 5.94e+05 / 51
p0 5.798e−11 ± 8.814e−14
3.5
3
2.5
2
1.5
1
0.5
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

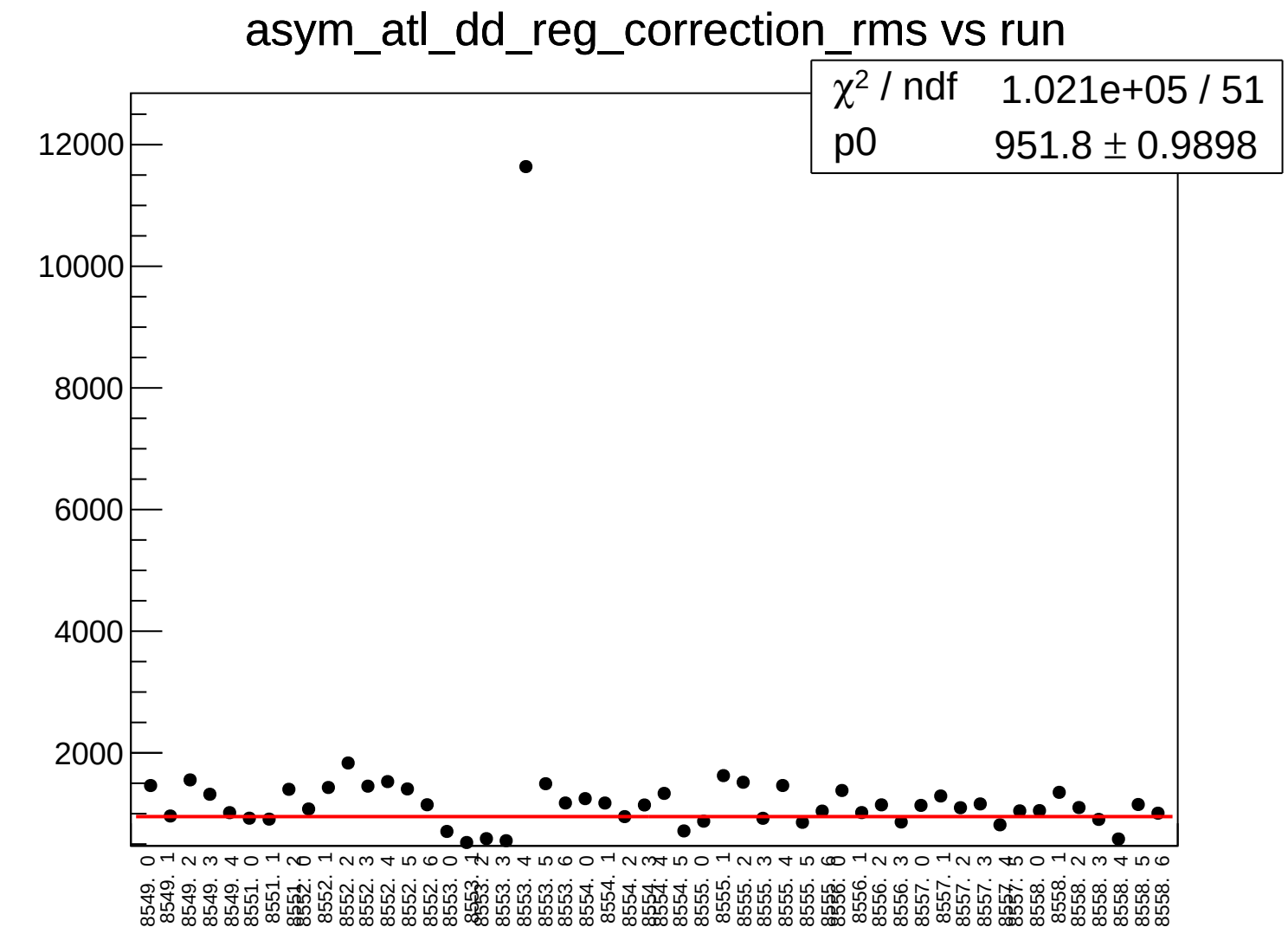

reg_asym_atl_dd_mean vs run
×10^3
χ² / ndf 44.07 / 50
p0 −1.805e+04 ± 2.468e+04
pull
Entries 51
Mean 588.8
Std Dev 0

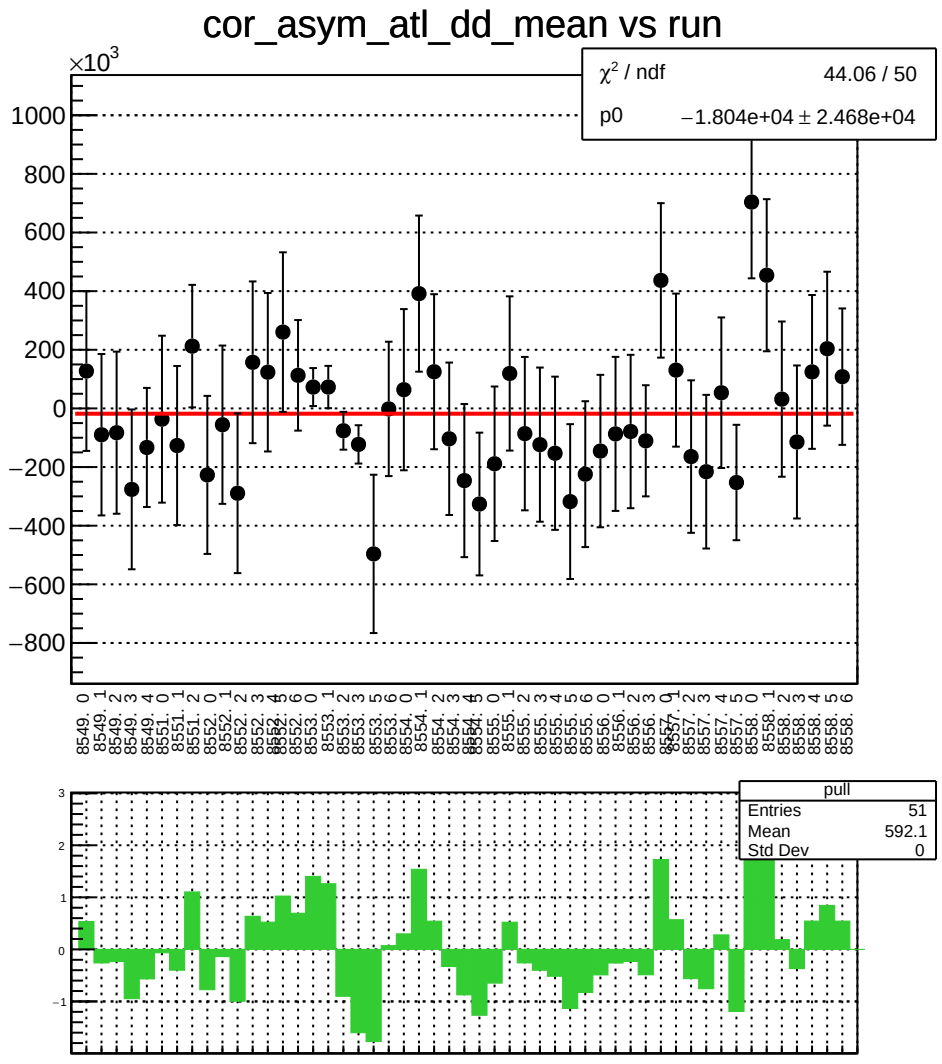

pull1D
Entries 51
Mean 0.003442
Std Dev 0.9295

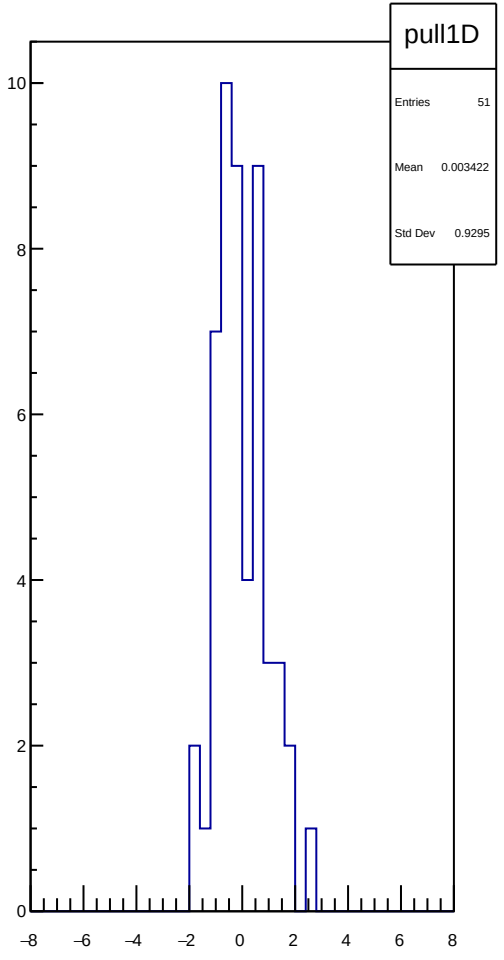

reg_asym_atl_dd_rms vs run
×10^3
800
700
600
500
400
300
200
100
χ² / ndf 3.082e+05 / 51
p0 1.479e+04 ± 17.45
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 1
8553. 2
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 5
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

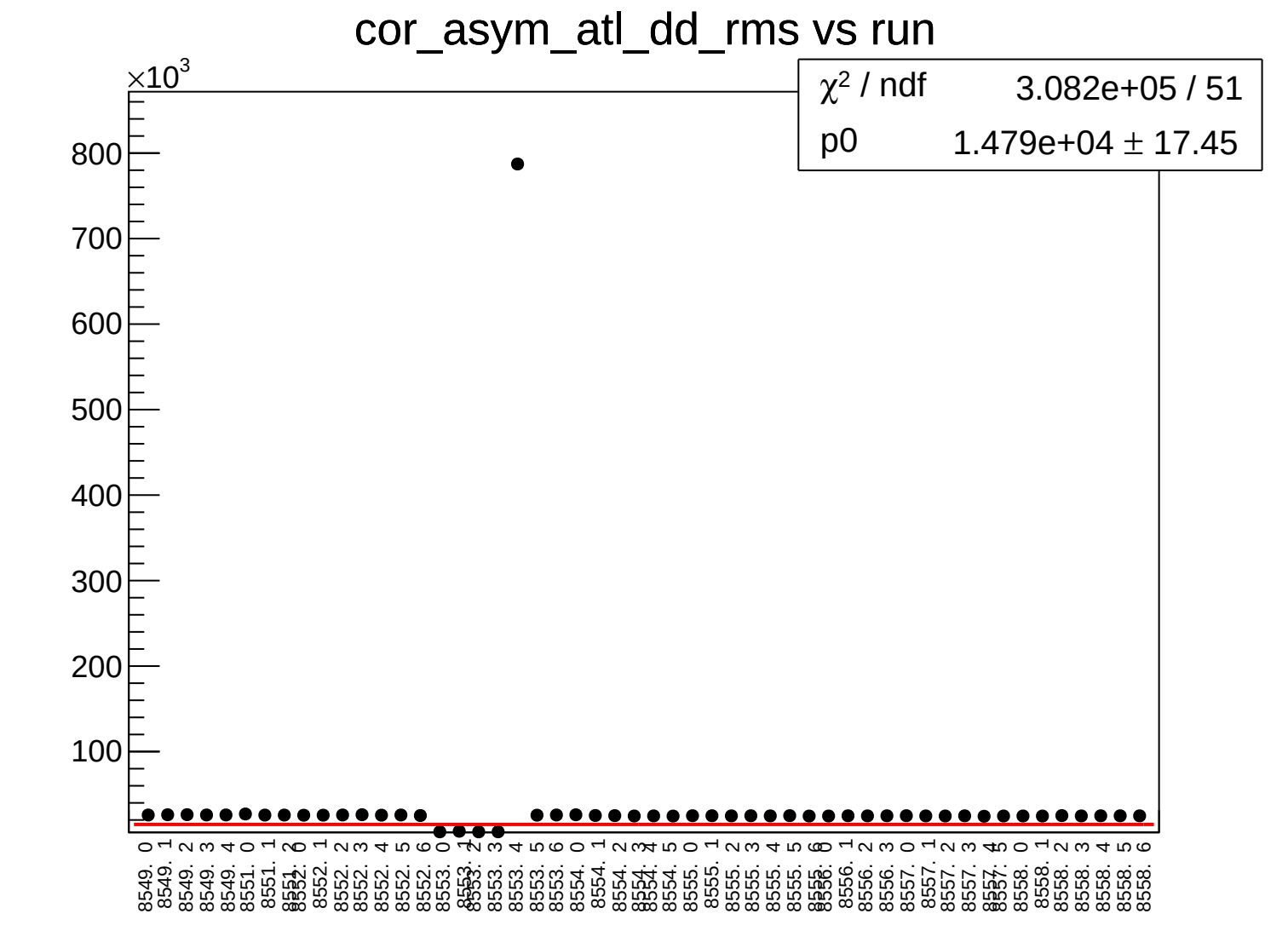

asym_atl_dd_reg_correction_mean vs run
×10^3
χ² / ndf 77.49 / 51
p0 840.5 ± 1400
100
50
0
−50
−100
−150
pull
Entries 52
Mean 35.35
Std Dev 28.67
3
2
1
0
−1
−2
−3

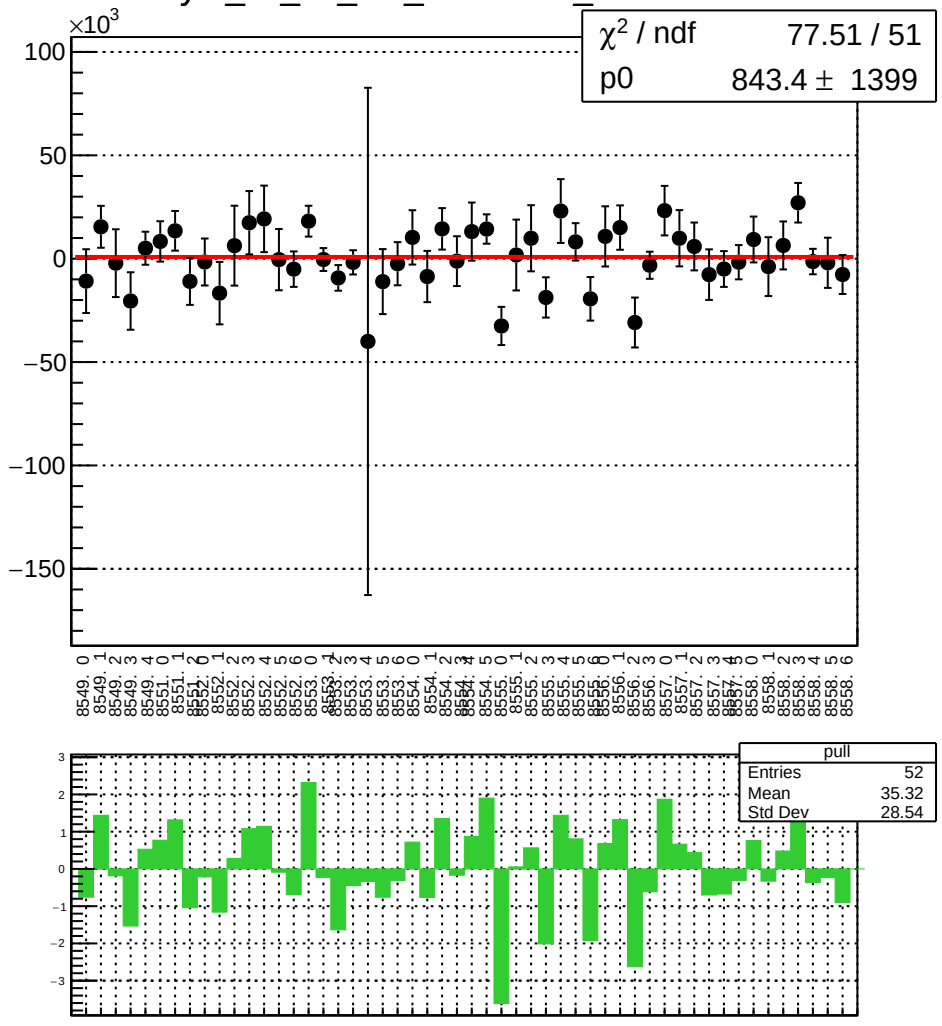

pull1D
Entries 52
Mean 0.0182
Std Dev 1.221
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

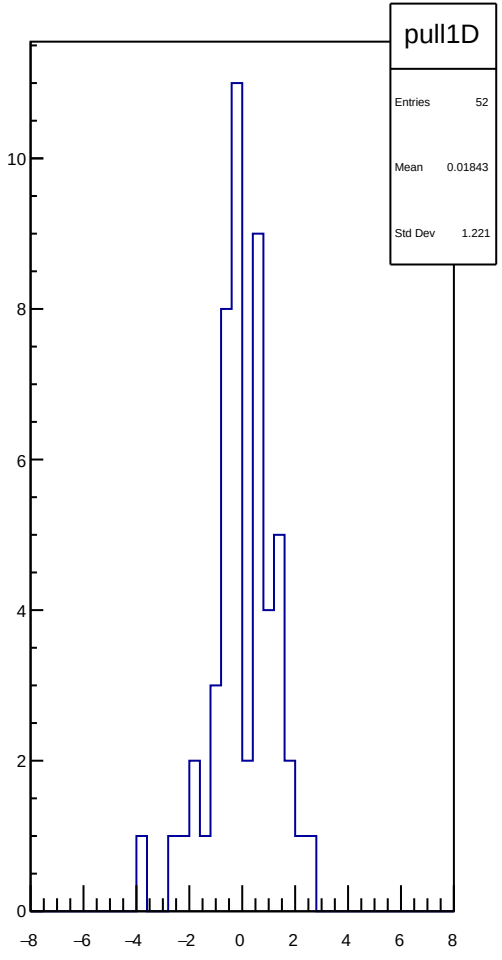

asym_atl_dd_reg_correction_rms vs run
χ² / ndf 1.021e+05 / 51
p0 951.8 ± 0.9898
12000
10000
8000
6000
4000
2000
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 0
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

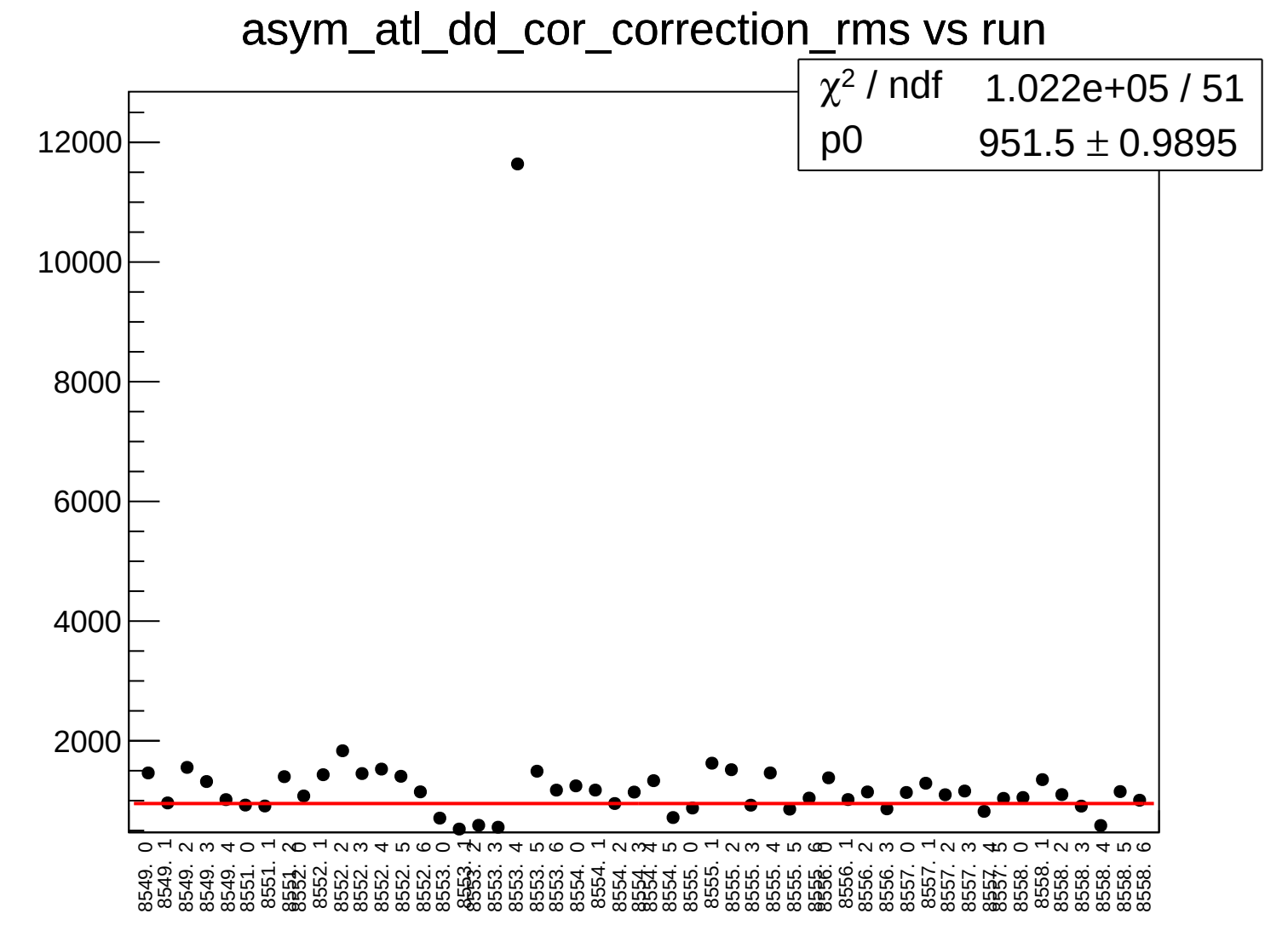

cor_asym_atl_dd_mean vs run
×10^3
χ² / ndf 44.06 / 50
p0 −1.804e+04 ± 2.468e+04
pull
Entries 51
Mean 592.1
Std Dev 0

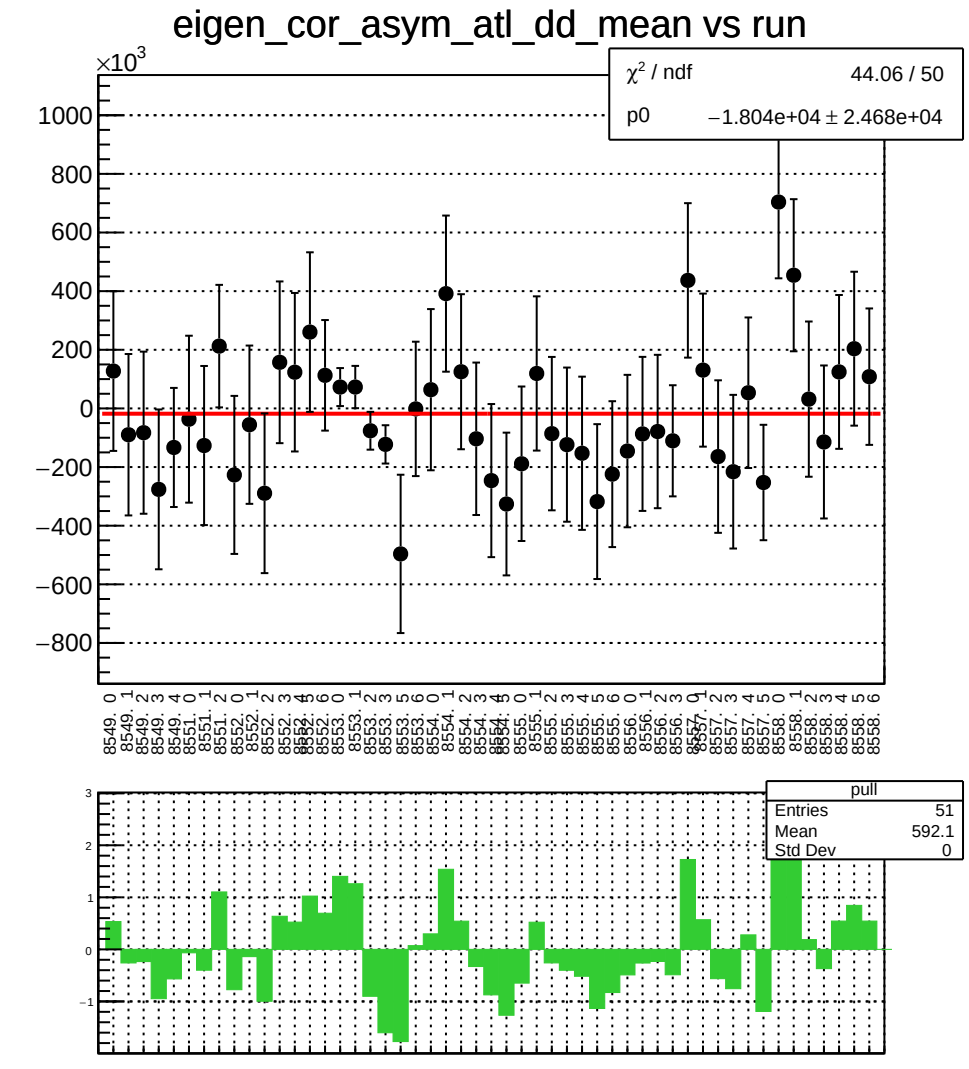

pull1D
Entries 51
Mean 0.003422
Std Dev 0.9295

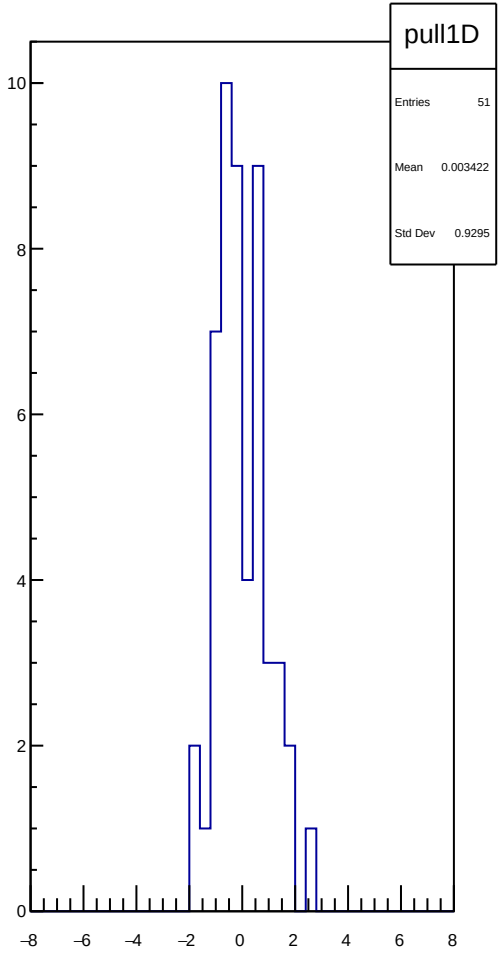

cor_asym_atl_dd_rms vs run
×10^3
800
700
600
500
400
300
200
100
χ² / ndf 3.082e+05 / 51
p0 1.479e+04 ± 17.45
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 1
8553. 2
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 5
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

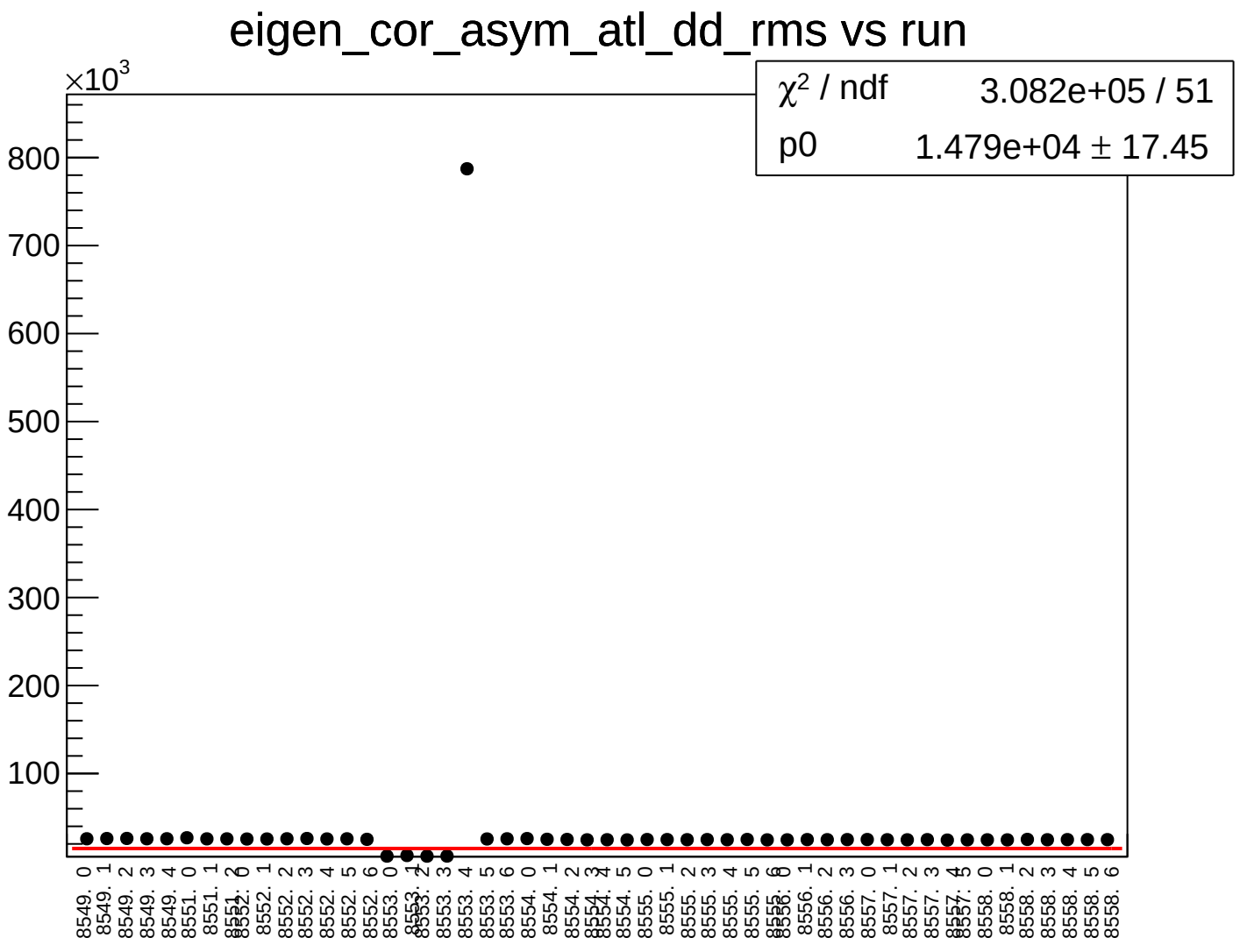

asym_atl_dd_cor_correction_mean vs run
×10^3
χ² / ndf 77.51 / 51
p0 843.4 ± 1399
100
50
0
−50
−100
−150
pull
Entries 52
Mean 35.32
Std Dev 28.54
3
2
1
0
−1
−2
−3


pull1D
Entries 52
Mean 0.01843
Std Dev 1.221
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 1.022e+05 / 51
p0 951.5 ± 0.9895
12000
10000
8000
6000
4000
2000
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 0
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 1
8553. 2
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 3
8554. 4
8554. 5
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 0
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8557. 4
8557. 5
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6


eigen_cor_asym_atl_dd_mean vs run
×10^3
χ² / ndf 44.06 / 50
p0 −1.804e+04 ± 2.468e+04
pull
Entries 51
Mean 592.1
Std Dev 0


pull1D
Entries 51
Mean 0.003422
Std Dev 0.9295


eigen_cor_asym_atl_dd_rms vs run
×10^3
800
700
600
500
400
300
200
100
χ² / ndf 3.082e+05 / 51
p0 1.479e+04 ± 17.45
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
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8558. 2
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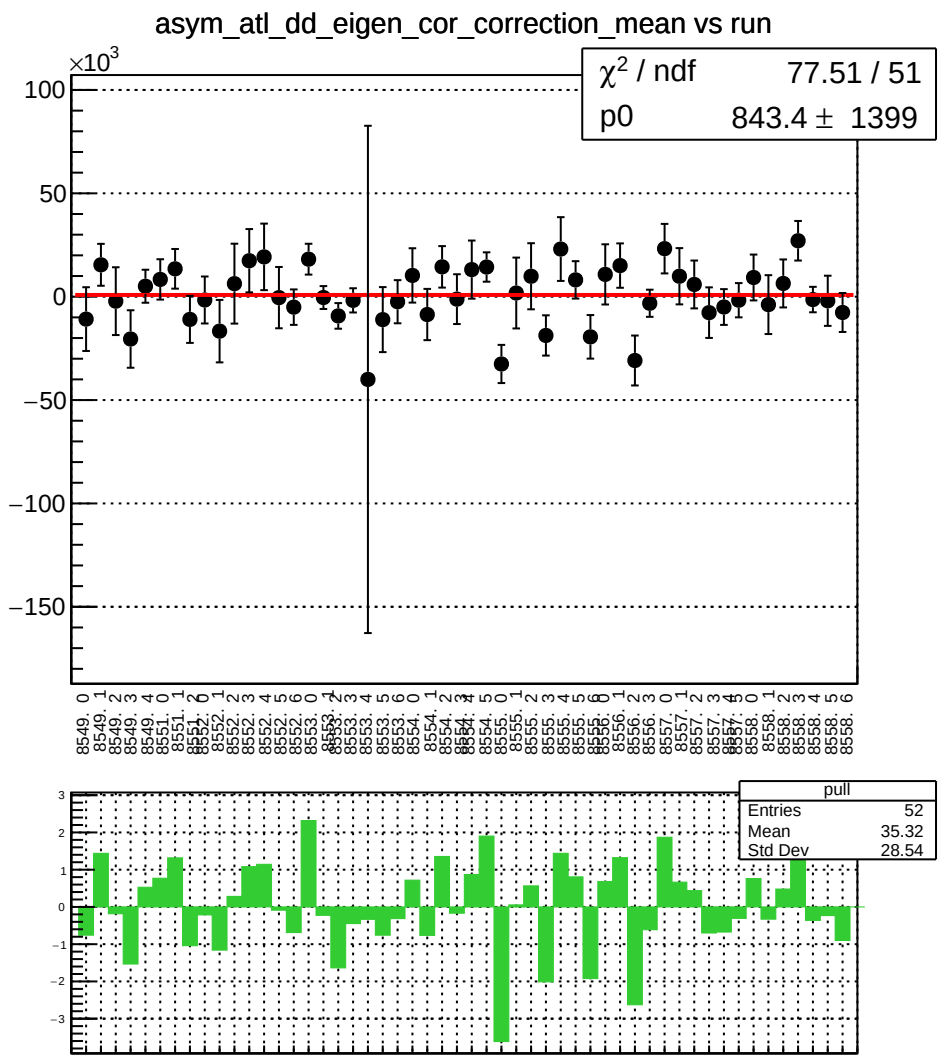
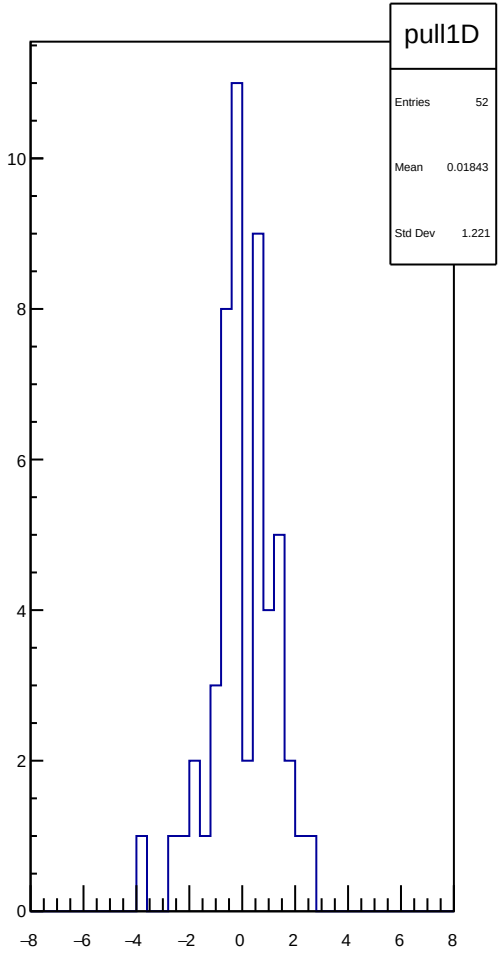
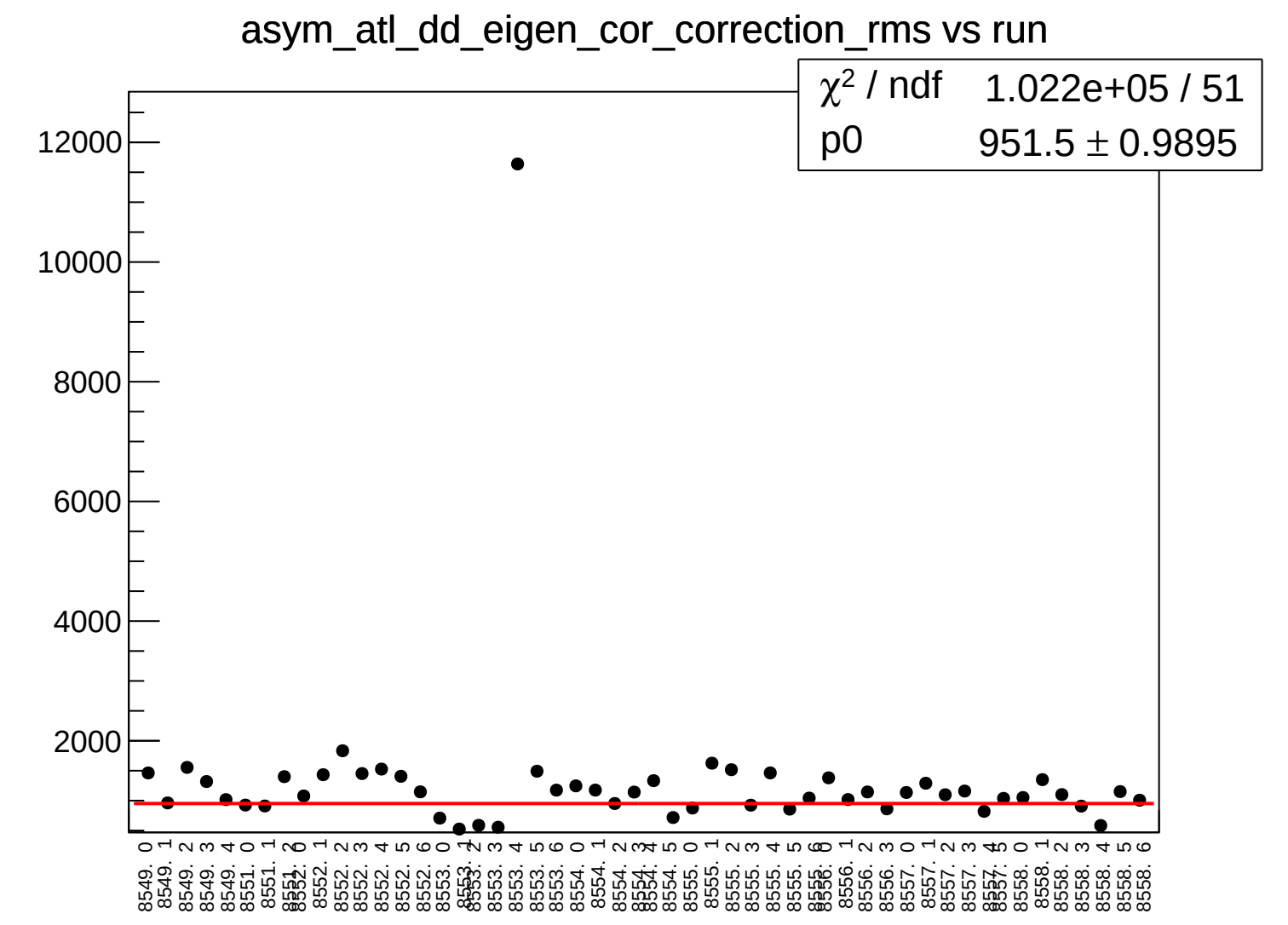
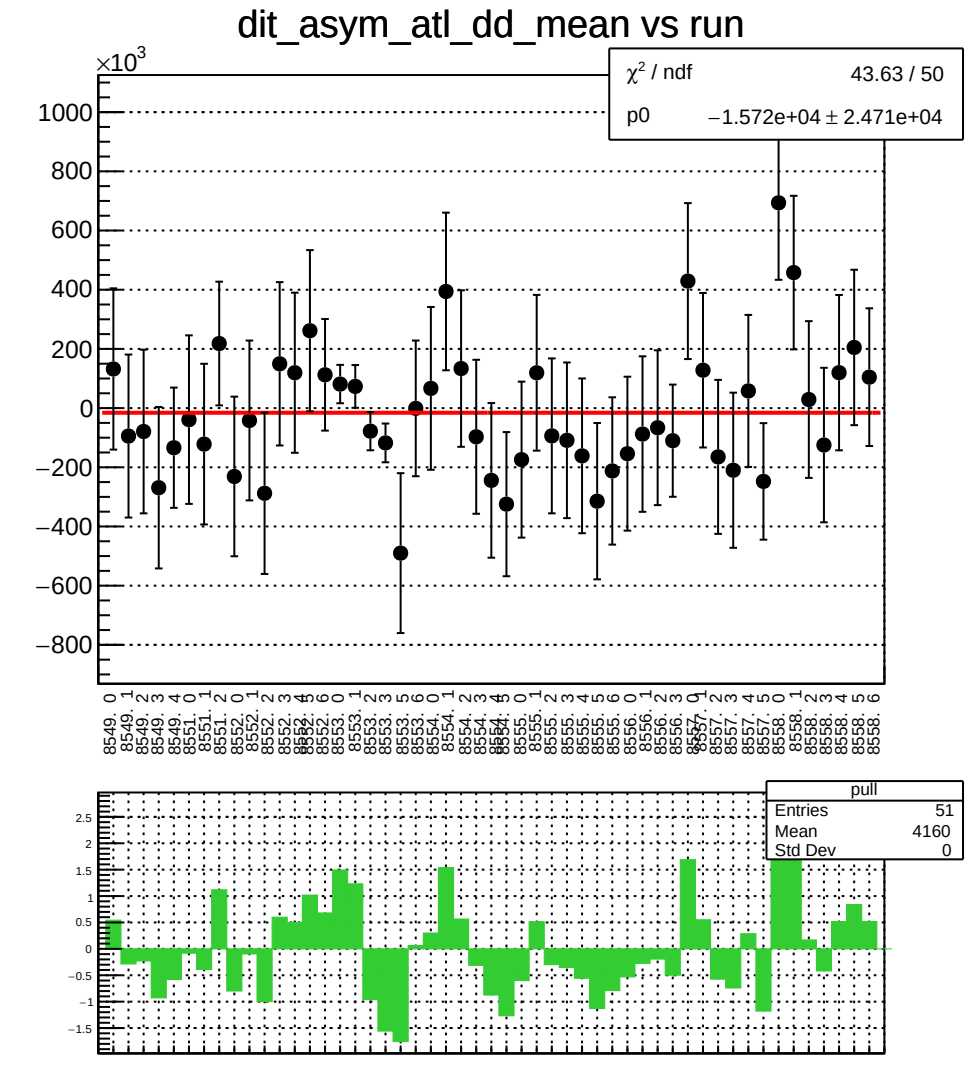
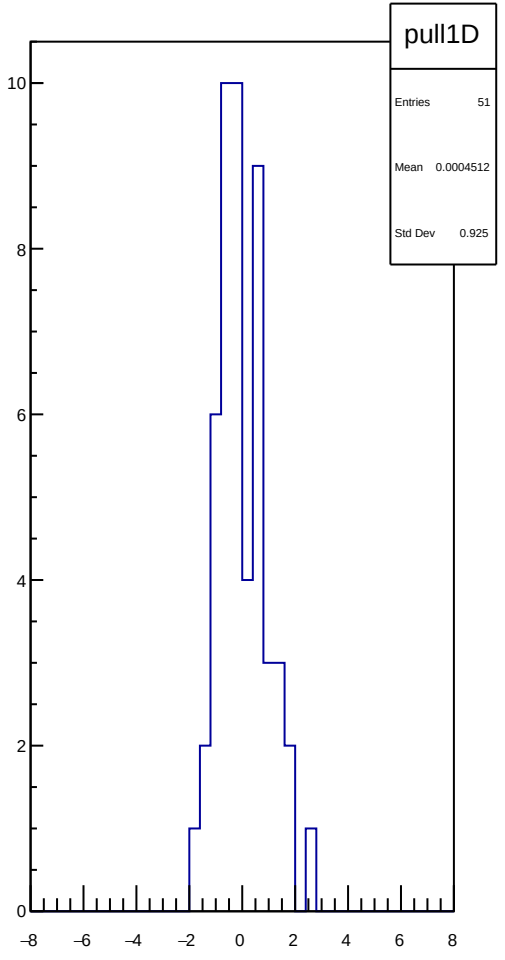
8558. 5
8558. 6

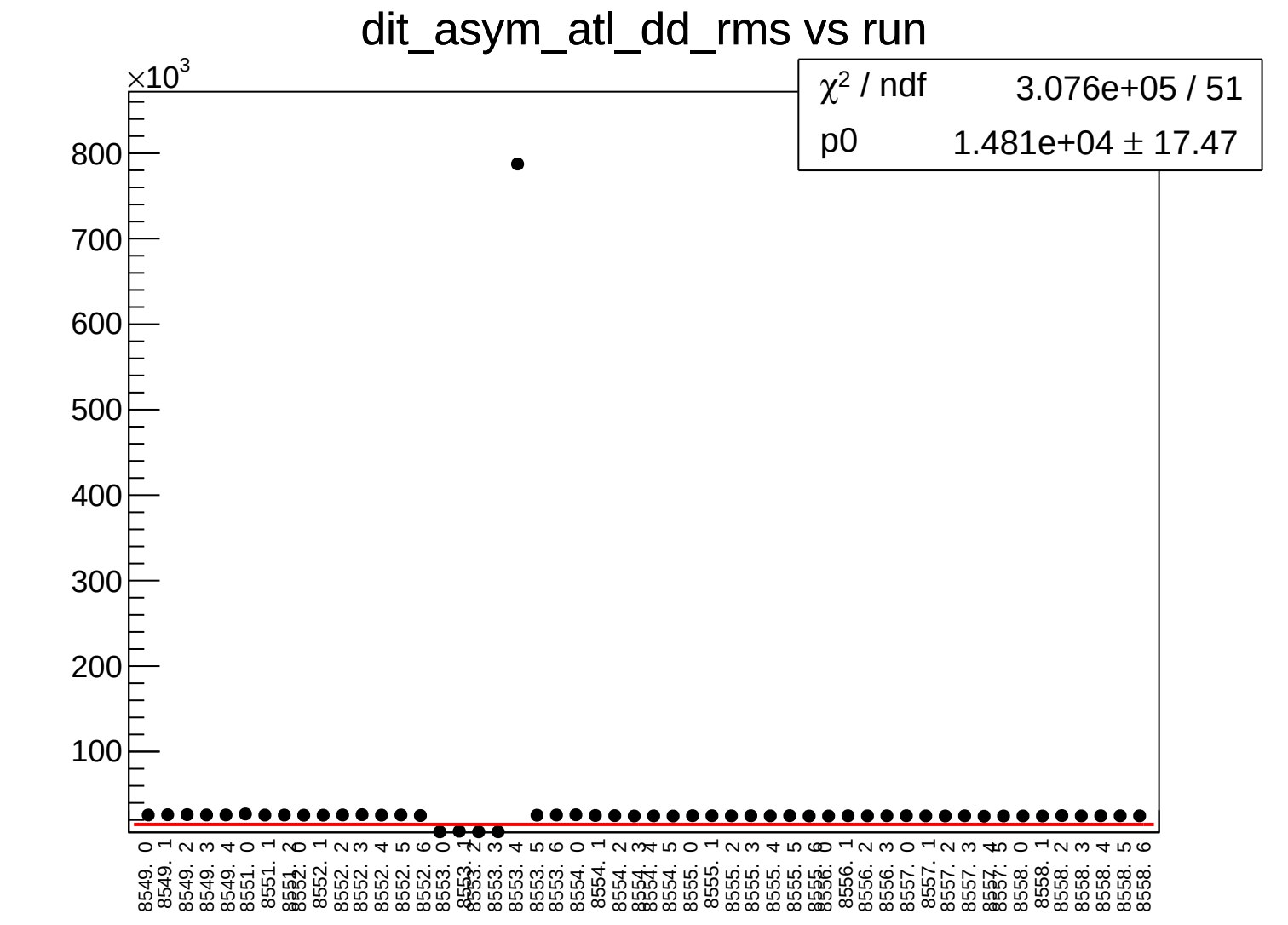

asym_atl_dd_eigen_cor_correction_mean vs run
×10^3
χ² / ndf 77.51 / 51
p0 843.4 ± 1399
100
50
0
−50
−100
−150
pull
Entries 52
Mean 35.32
Std Dev 28.54
3
2
1
0
−1
−2
−3

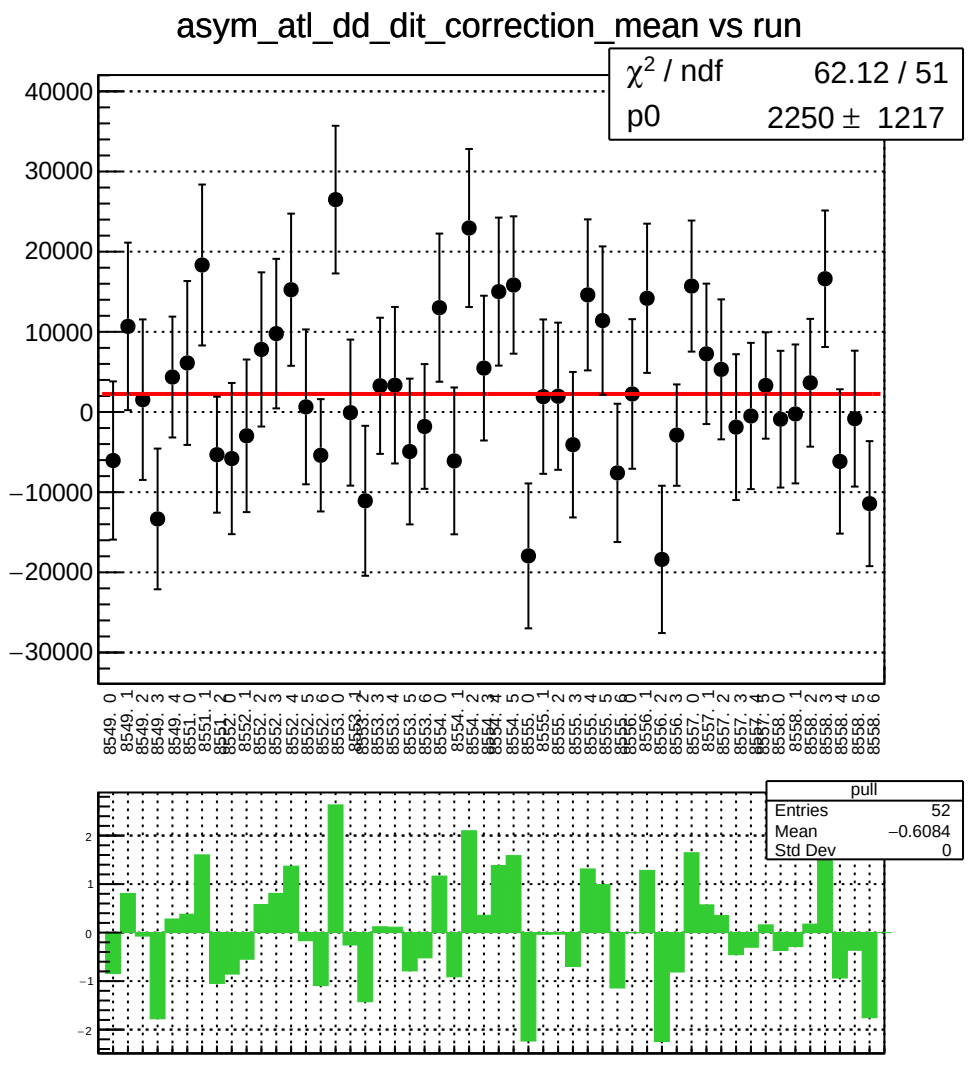

pull1D
Entries 52
Mean 0.01843
Std Dev 1.221
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

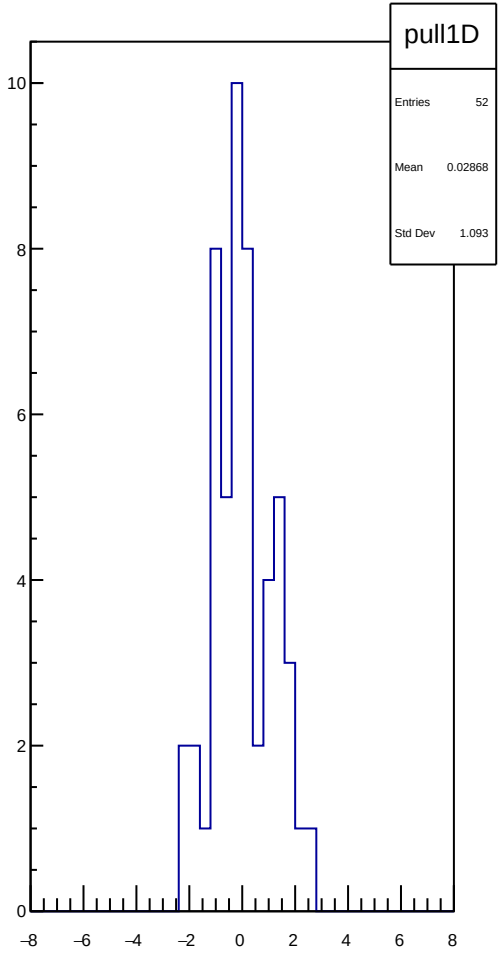

asym_atl_dd_eigen_cor_correction_rms vs run
χ² / ndf 1.022e+05 / 51
p0 951.5 ± 0.9895
12000
10000
8000
6000
4000
2000
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 0
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 1
8553. 2
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 3
8554. 4
8554. 5
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 0
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8557. 4
8557. 5
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

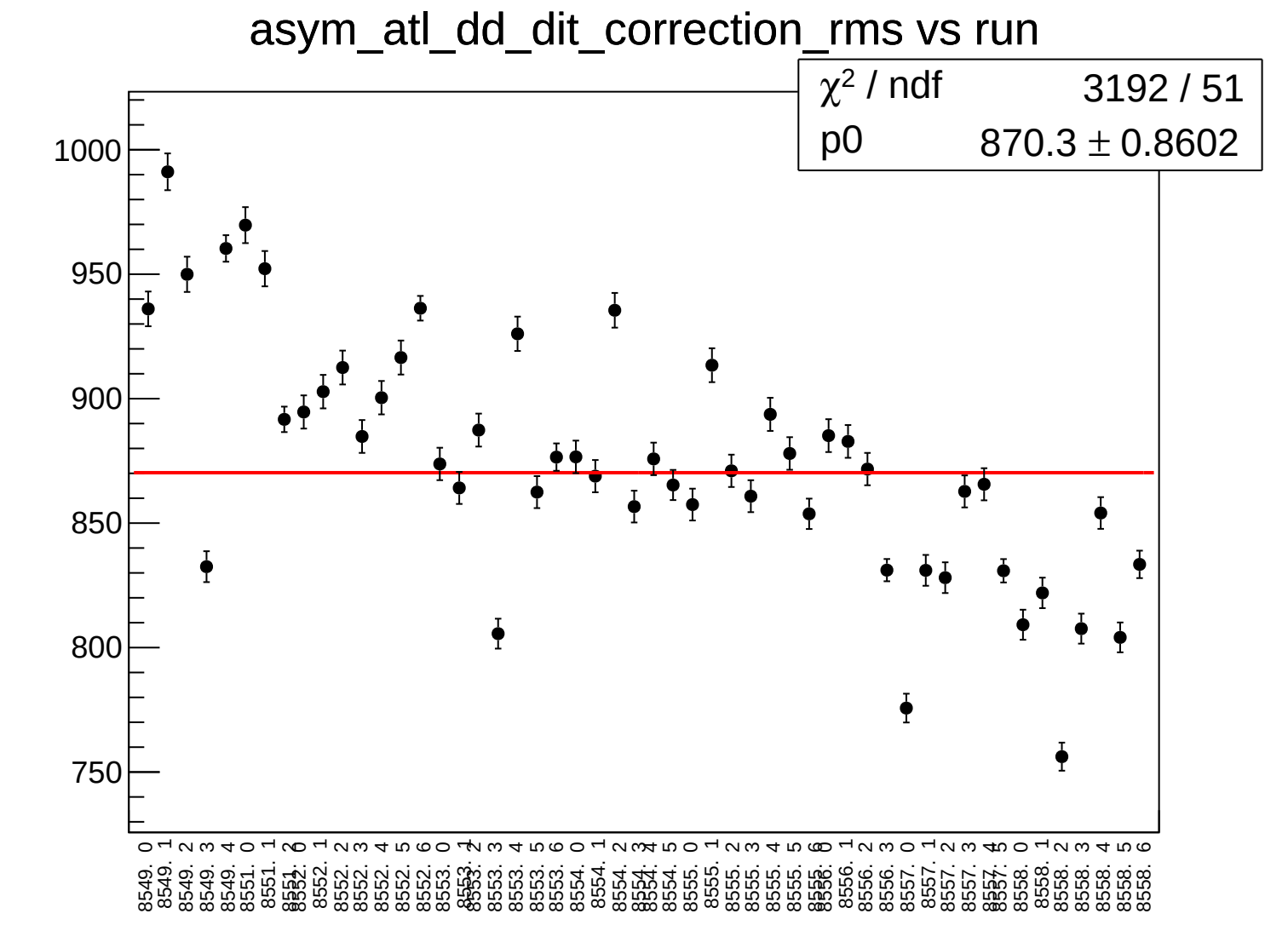

dit_asym_atl_dd_mean vs run
×10^3
χ² / ndf 43.63 / 50
p0 −1.572e+04 ± 2.471e+04
pull
Entries 51
Mean 4160
Std Dev 0

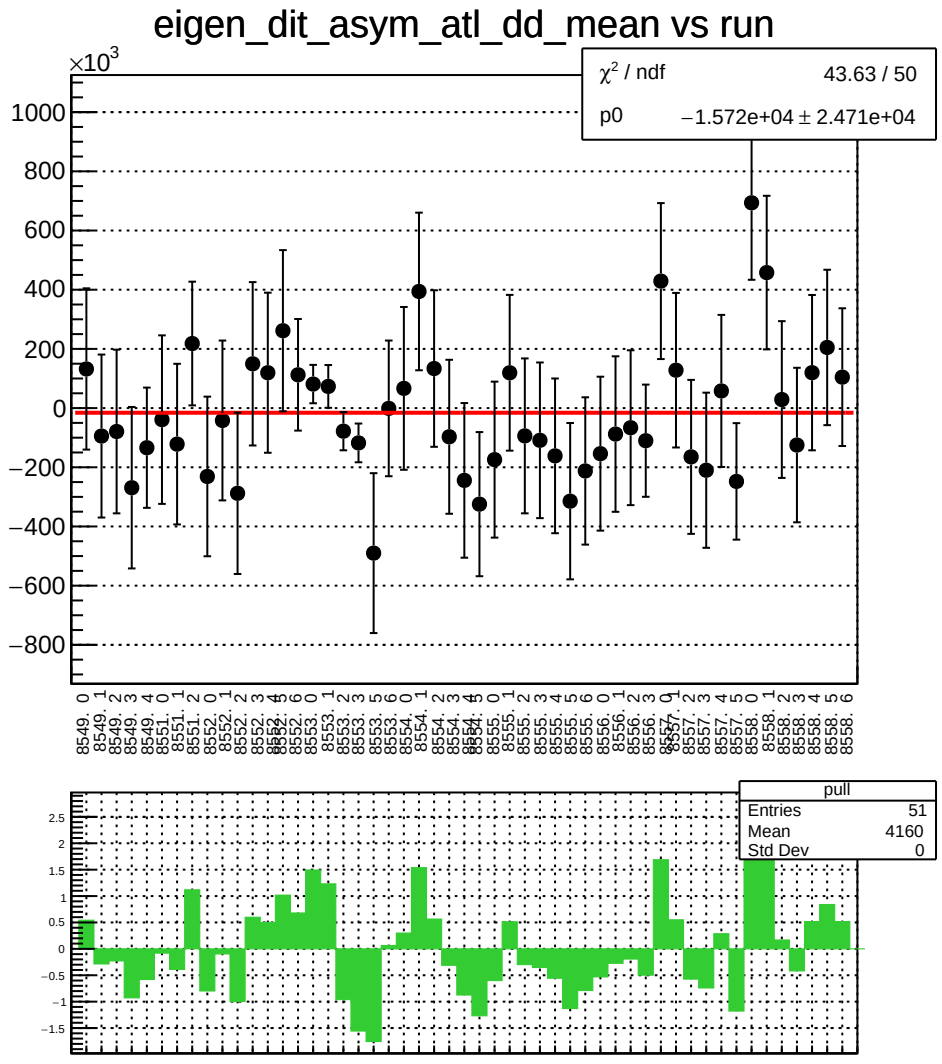

pull1D
Entries 51
Mean 0.0004512
Std Dev 0.925

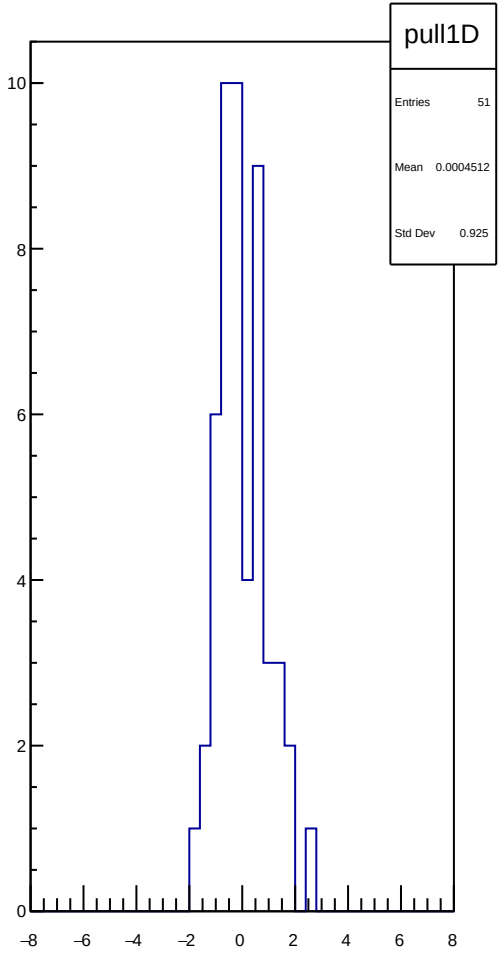

dit_asym_atl_dd_rms vs run
×10^3
800
700
600
500
400
300
200
100
χ² / ndf 3.076e+05 / 51
p0 1.481e+04 ± 17.47
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 0
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 1
8553. 2
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 5
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

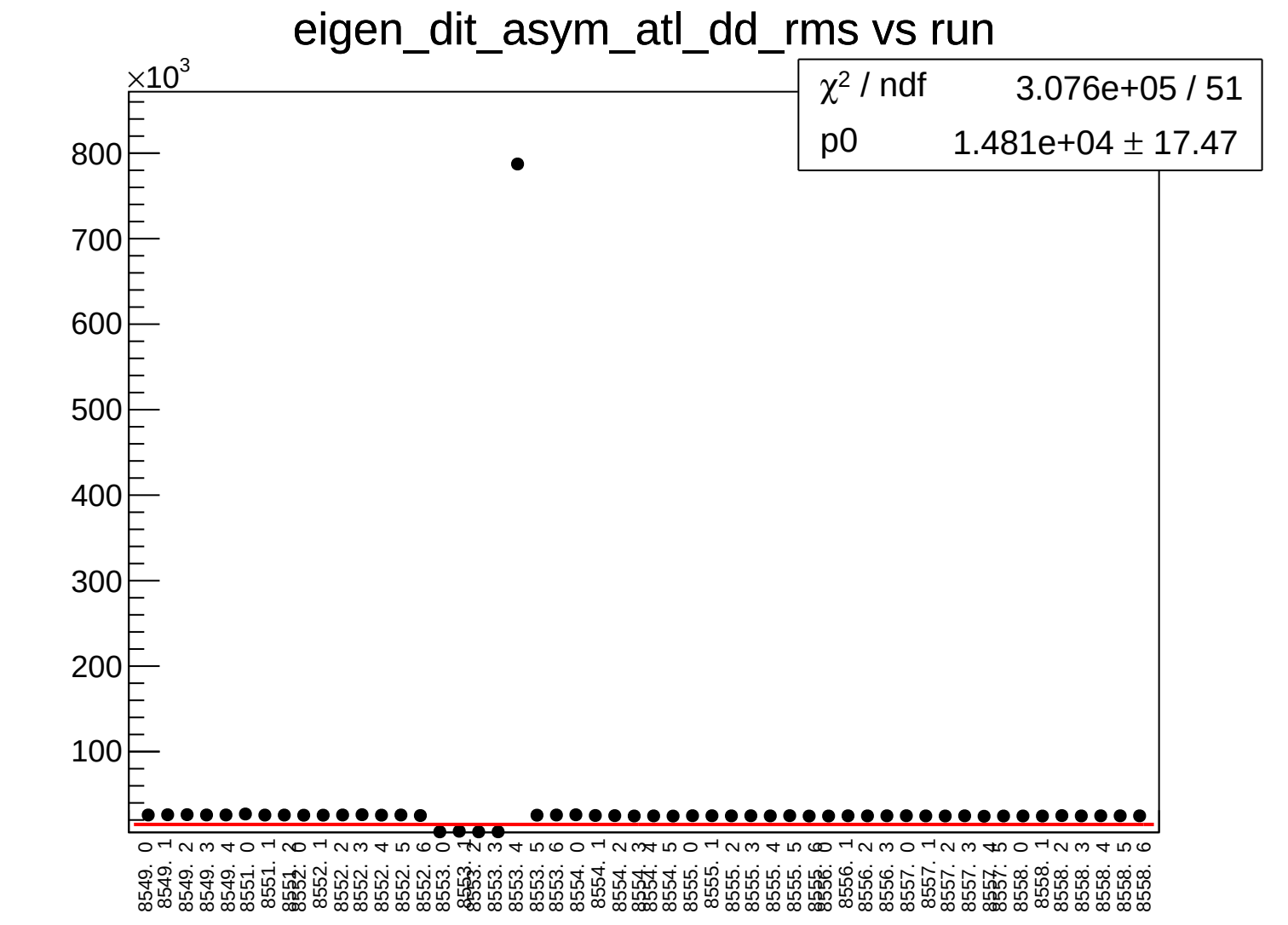

asym_atl_dd_dit_correction_mean vs run
χ² / ndf 62.12 / 51
p0 2250 ± 1217
pull
Entries 52
Mean −0.6084
Std Dev 0

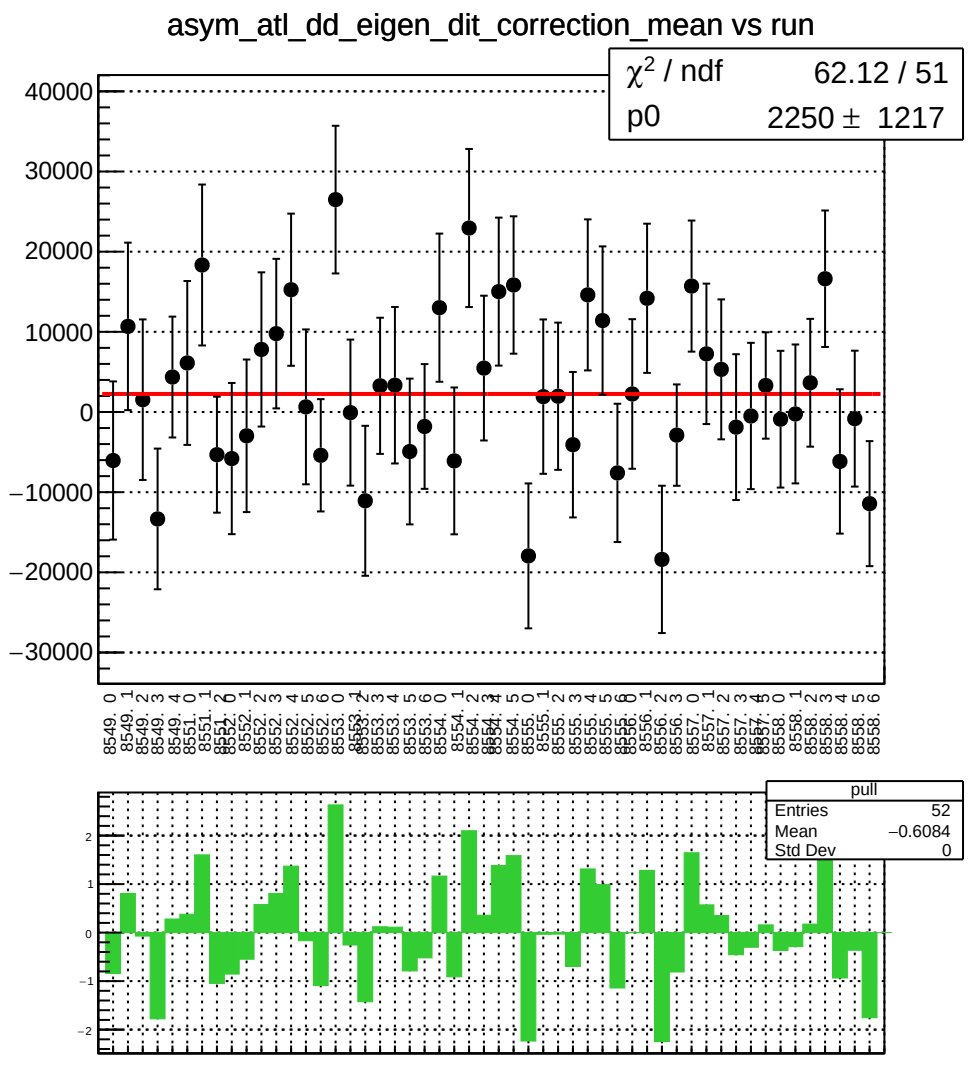

pull1D
Entries 52
Mean 0.02868
Std Dev 1.093

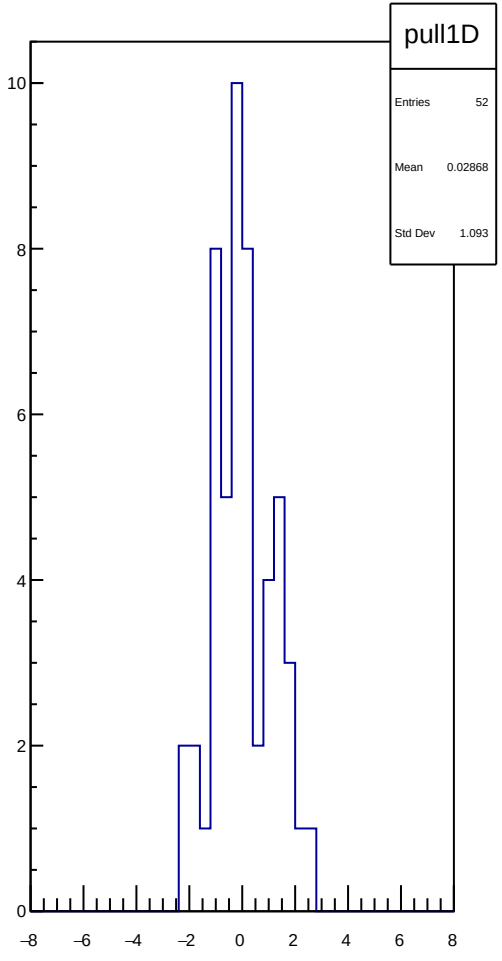

asym_atl_dd_dit_correction_rms vs run
χ² / ndf 3192 / 51
p0 870.3 ± 0.8602
1000
950
900
850
800
750
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

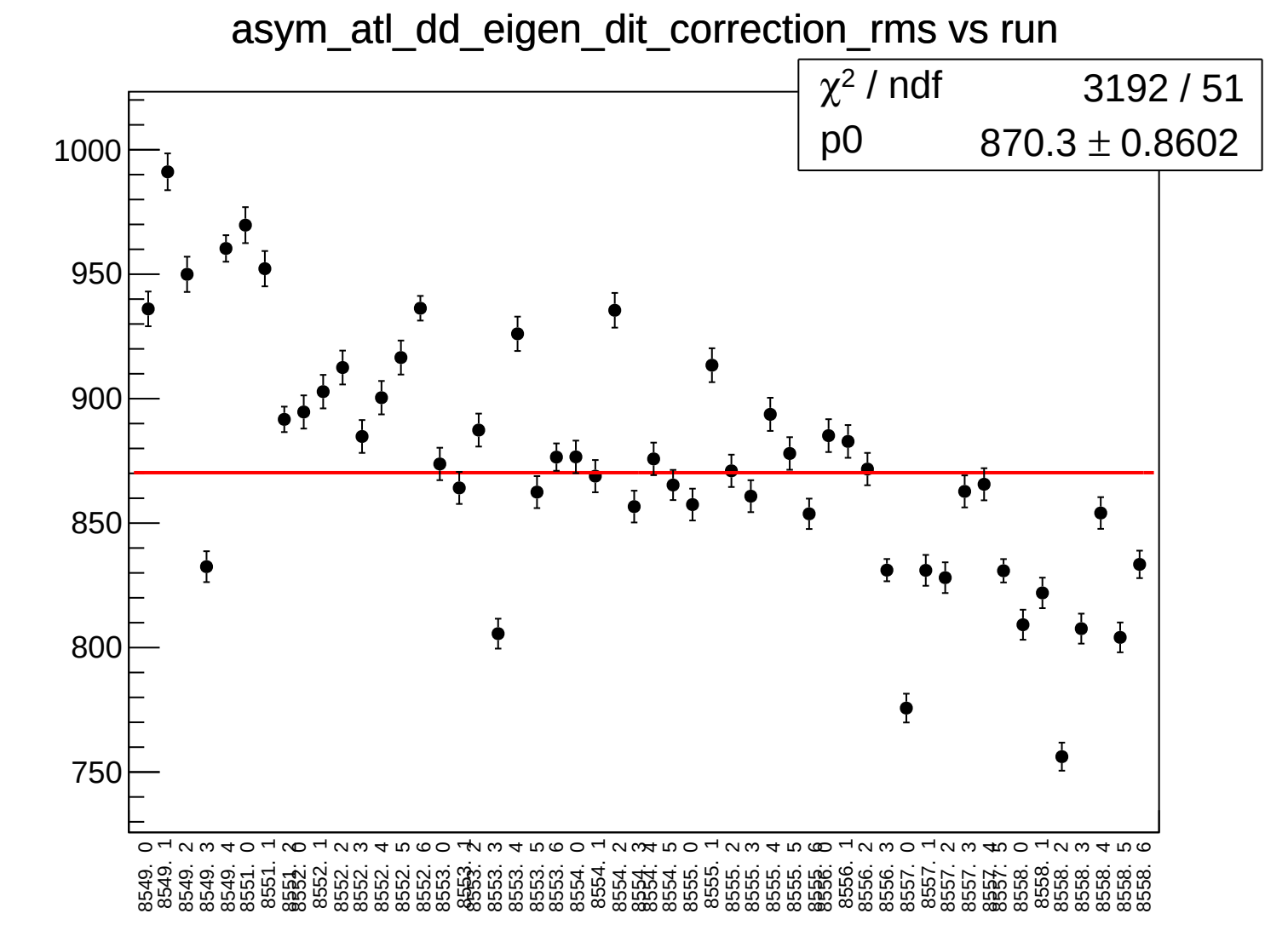

eigen_dit_asym_atl_dd_mean vs run
×10^3
χ² / ndf 43.63 / 50
p0 −1.572e+04 ± 2.471e+04
pull
Entries 51
Mean 4160
Std Dev 0

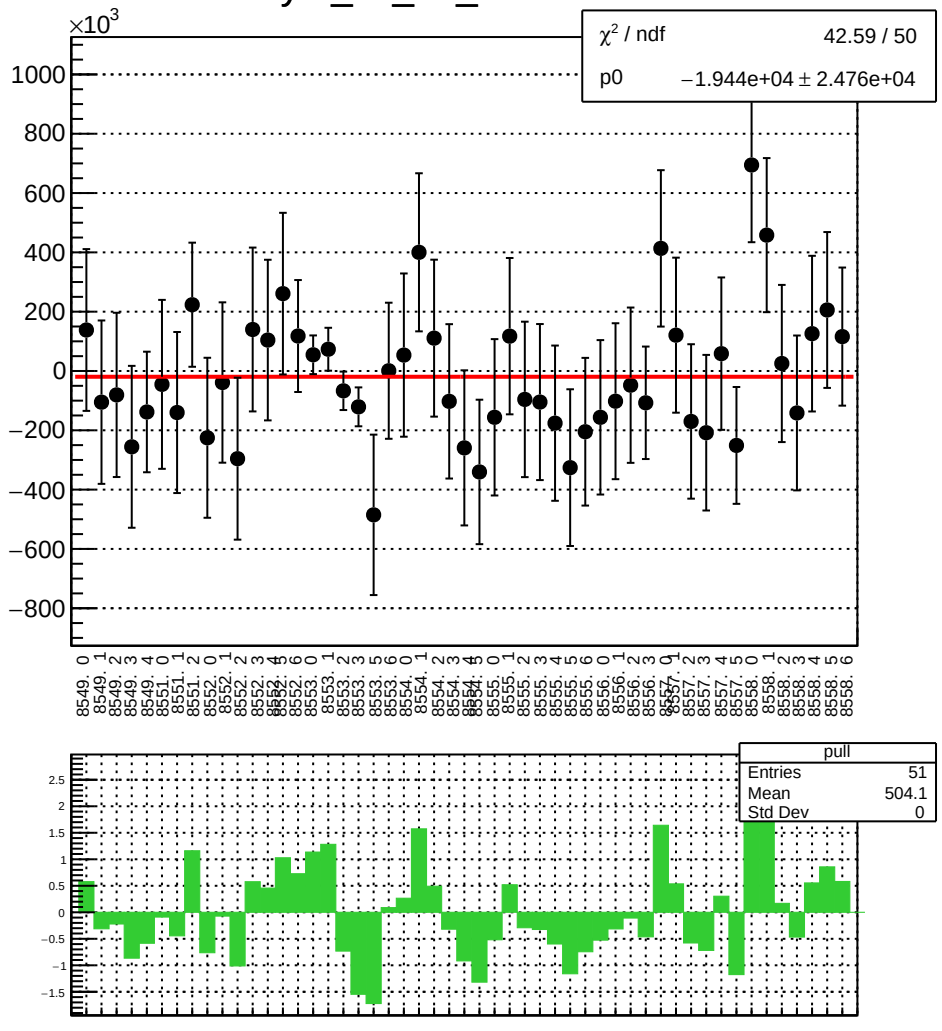

pull1D
Entries 51
Mean 0.0004512
Std Dev 0.925

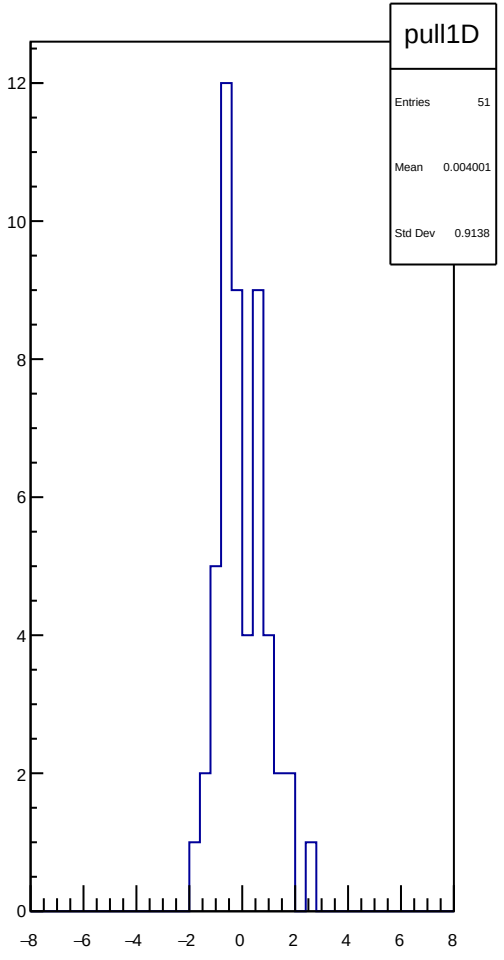

eigen_dit_asym_atl_dd_rms vs run
×10^3
800
700
600
500
400
300
200
100
χ² / ndf 3.076e+05 / 51
p0 1.481e+04 ± 17.47
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 1
8553. 2
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 5
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

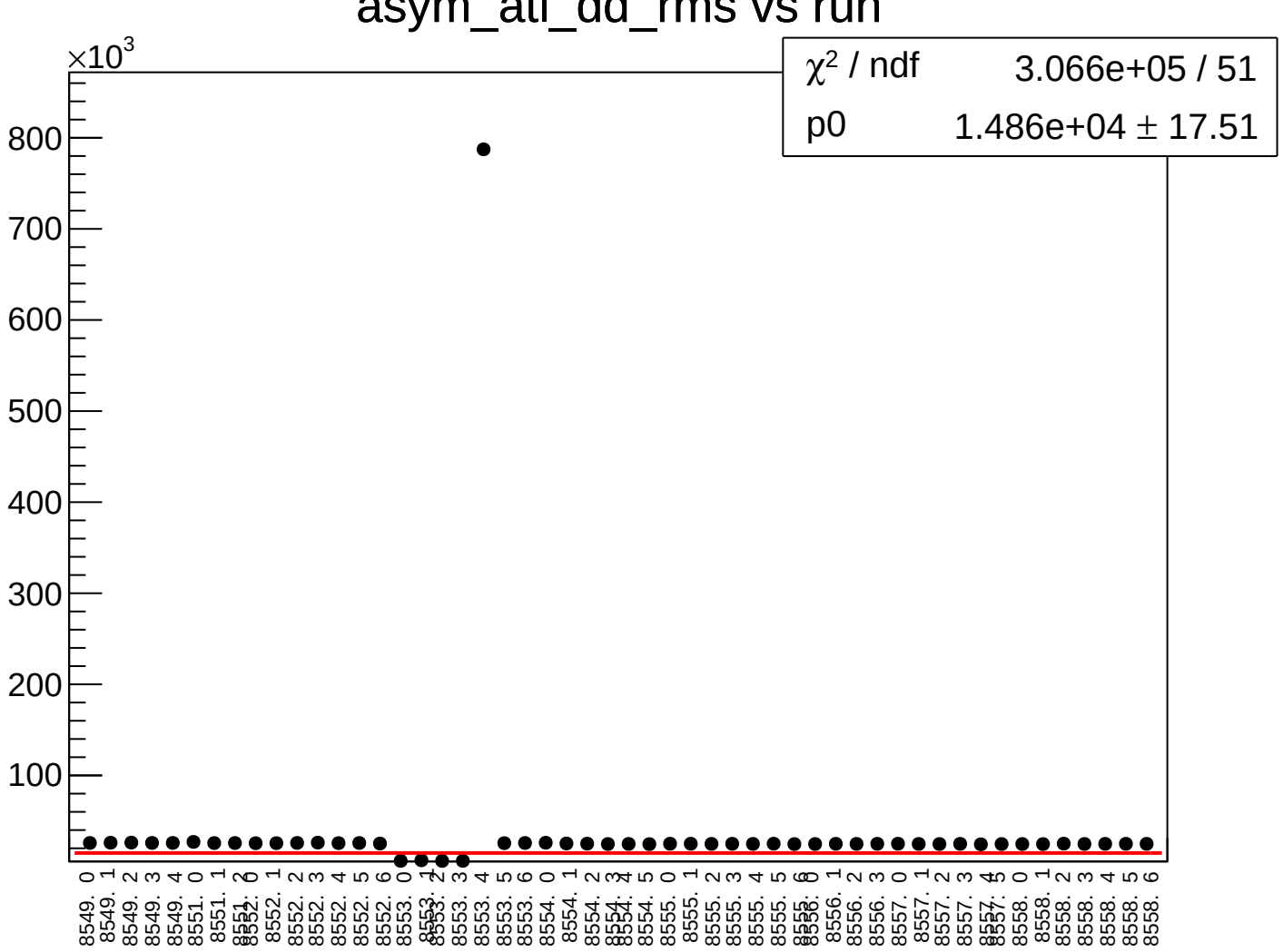

asym_atl_dd_eigen_dit_correction_mean vs run
χ² / ndf 62.12 / 51
p0 2250 ± 1217
pull
Entries 52
Mean −0.6084
Std Dev 0

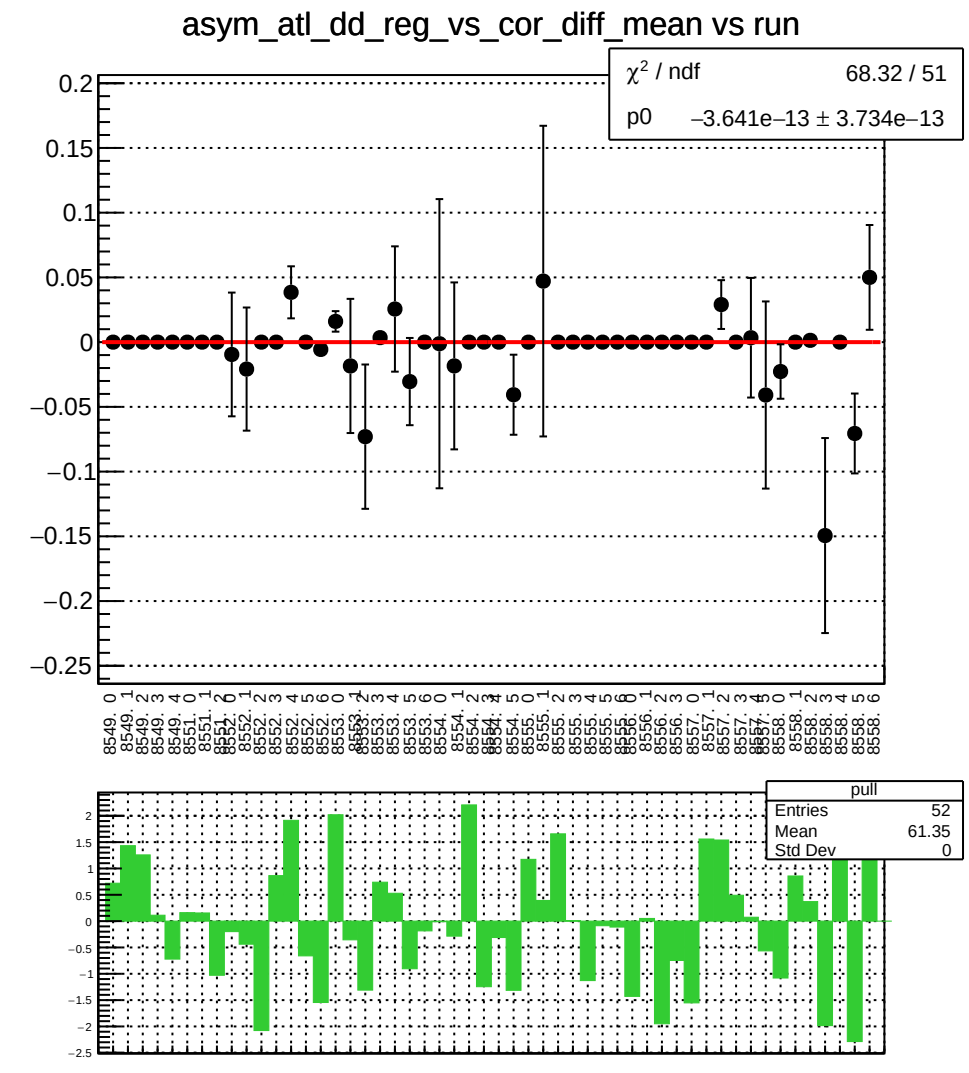

pull1D
Entries 52
Mean 0.02868
Std Dev 1.093

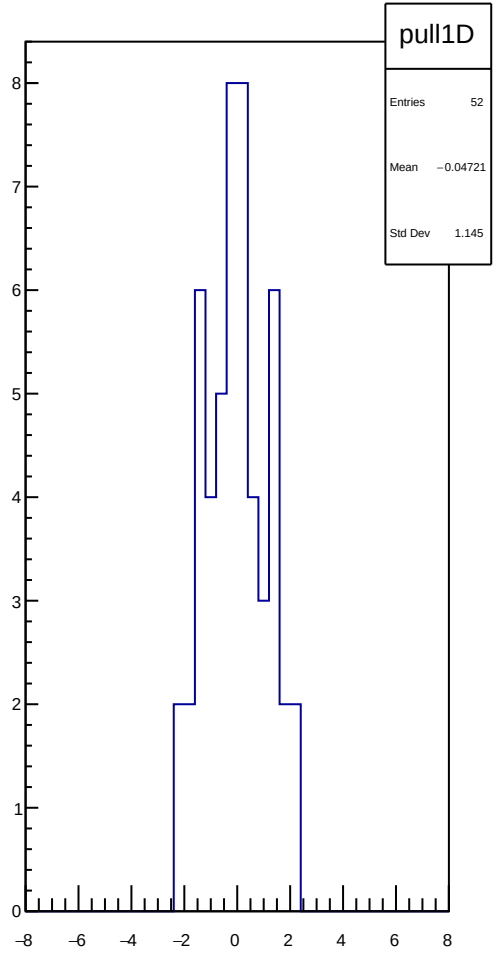

asym_atl_dd_eigen_dit_correction_rms vs run
χ² / ndf 3192 / 51
p0 870.3 ± 0.8602
1000
950
900
850
800
750
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

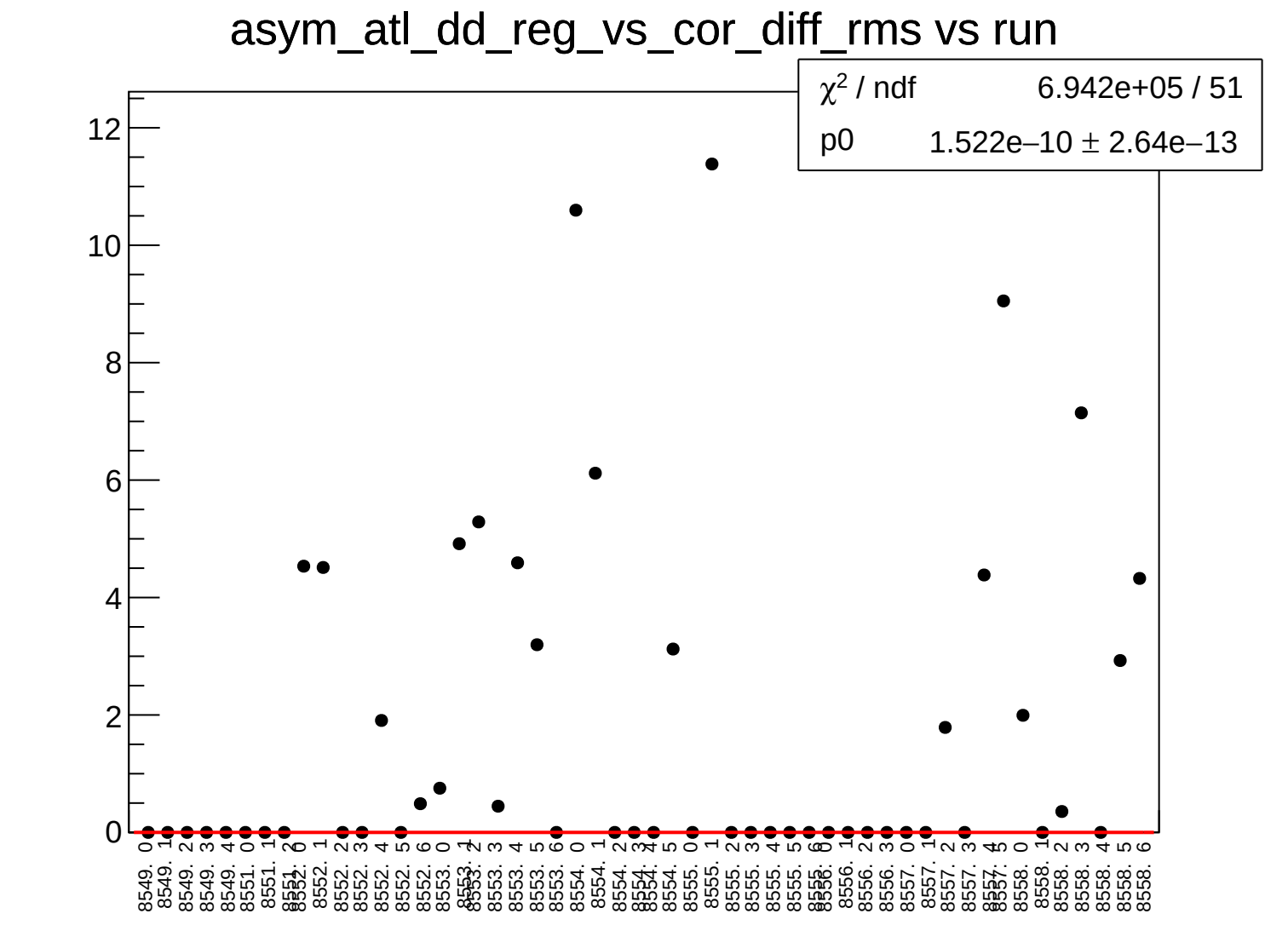

asym_atl_dd_mean vs run
×10^3
χ² / ndf 42.59 / 50
p0 −1.944e+04 ± 2.476e+04
pull
Entries 51
Mean 504.1
Std Dev 0

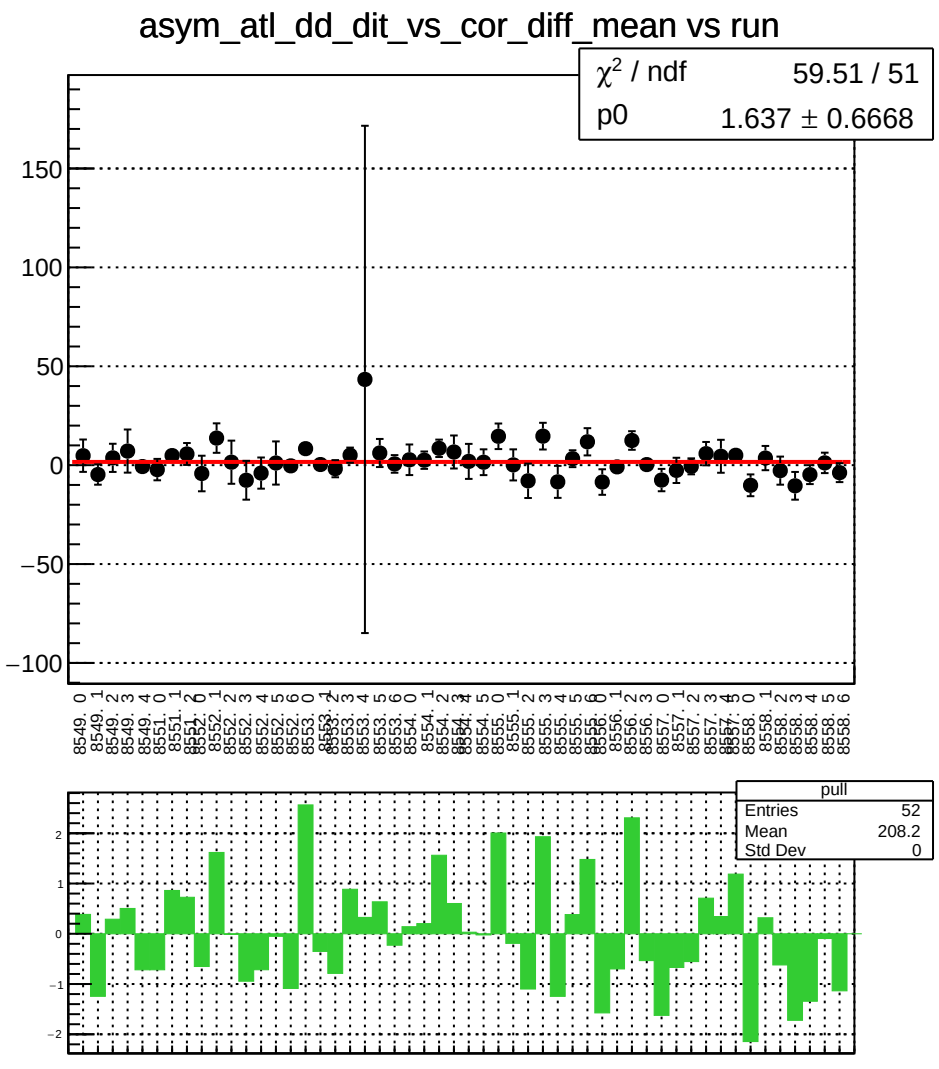

pull1D
Entries 51
Mean 0.004001
Std Dev 0.9138

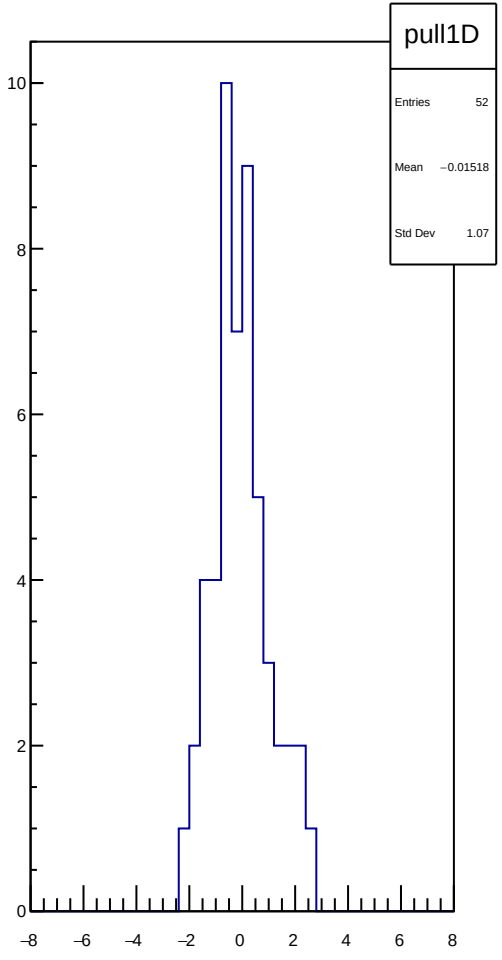

asym_atl_dd_rms vs run
×10^3
800
700
600
500
400
300
200
100
χ² / ndf 3.066e+05 / 51
p0 1.486e+04 ± 17.51
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 1
8553. 2
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 5
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

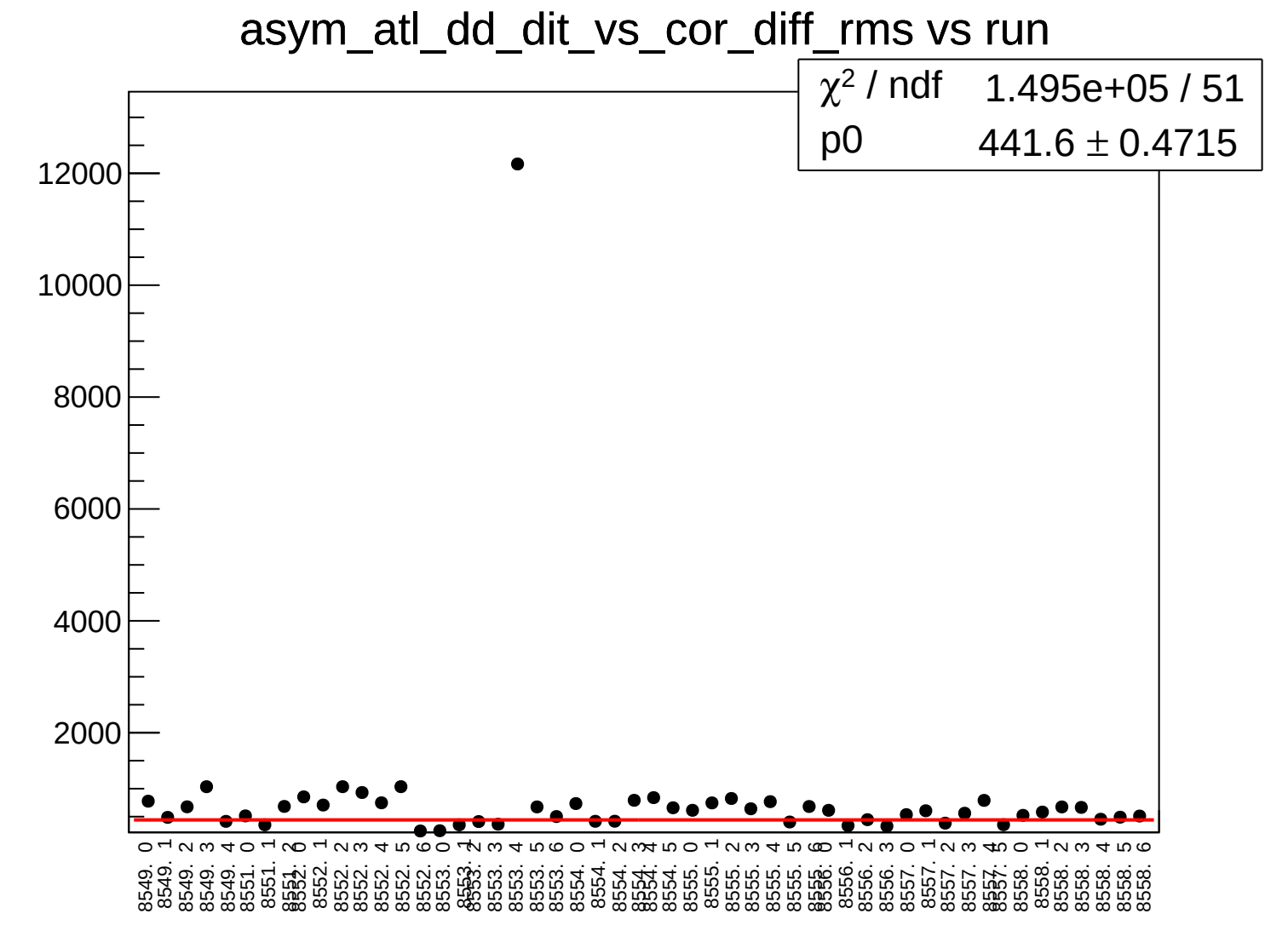

asym_atl_dd_reg_vs_cor_diff_mean vs run
χ² / ndf 68.32 / 51
p0 −3.641e−13 ± 3.734e−13
pull
Entries 52
Mean 61.35
Std Dev 0

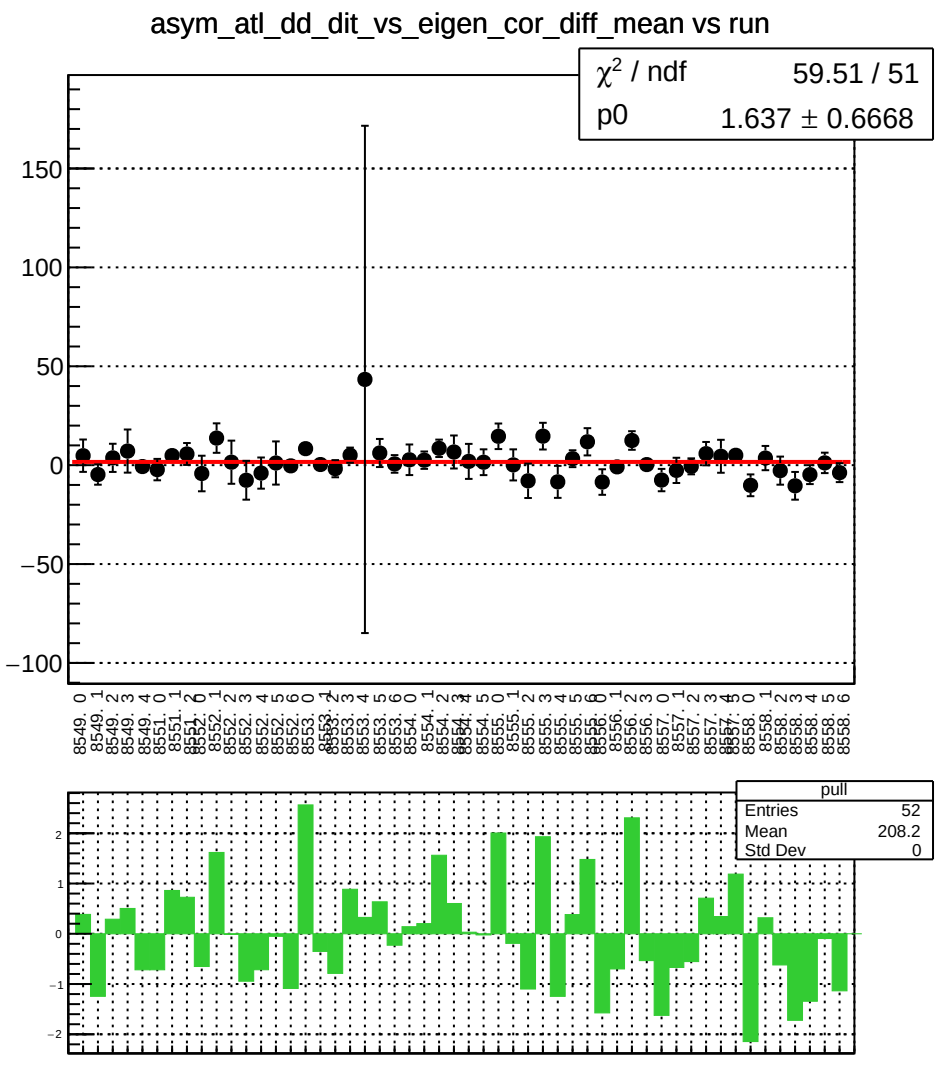

pull1D
Entries 52
Mean −0.04721
Std Dev 1.145

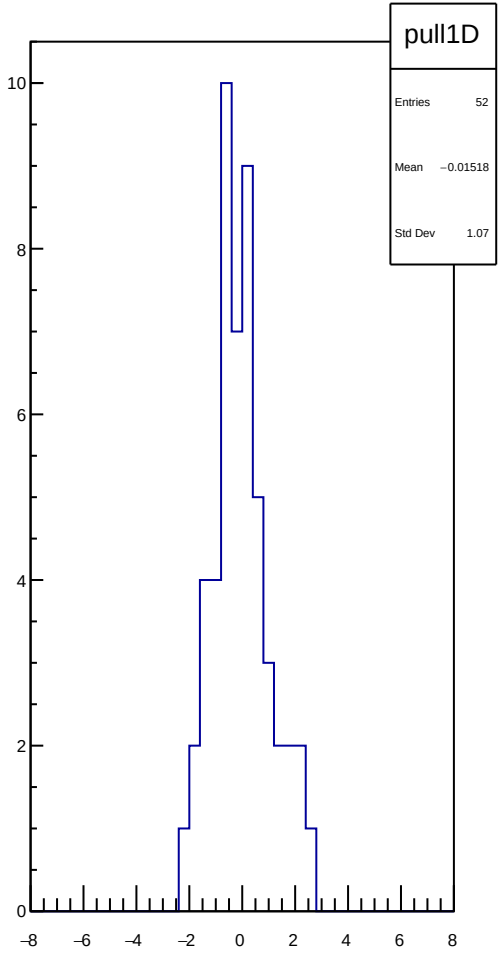

asym_atl_dd_reg_vs_cor_diff_rms vs run
χ² / ndf 6.942e+05 / 51
p0 1.522e−10 ± 2.64e−13
0
2
4
6
8
10
12
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 0
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 1
8553. 2
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 3
8554. 4
8554. 5
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8555. 6
8556. 0
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8557. 4
8557. 5
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

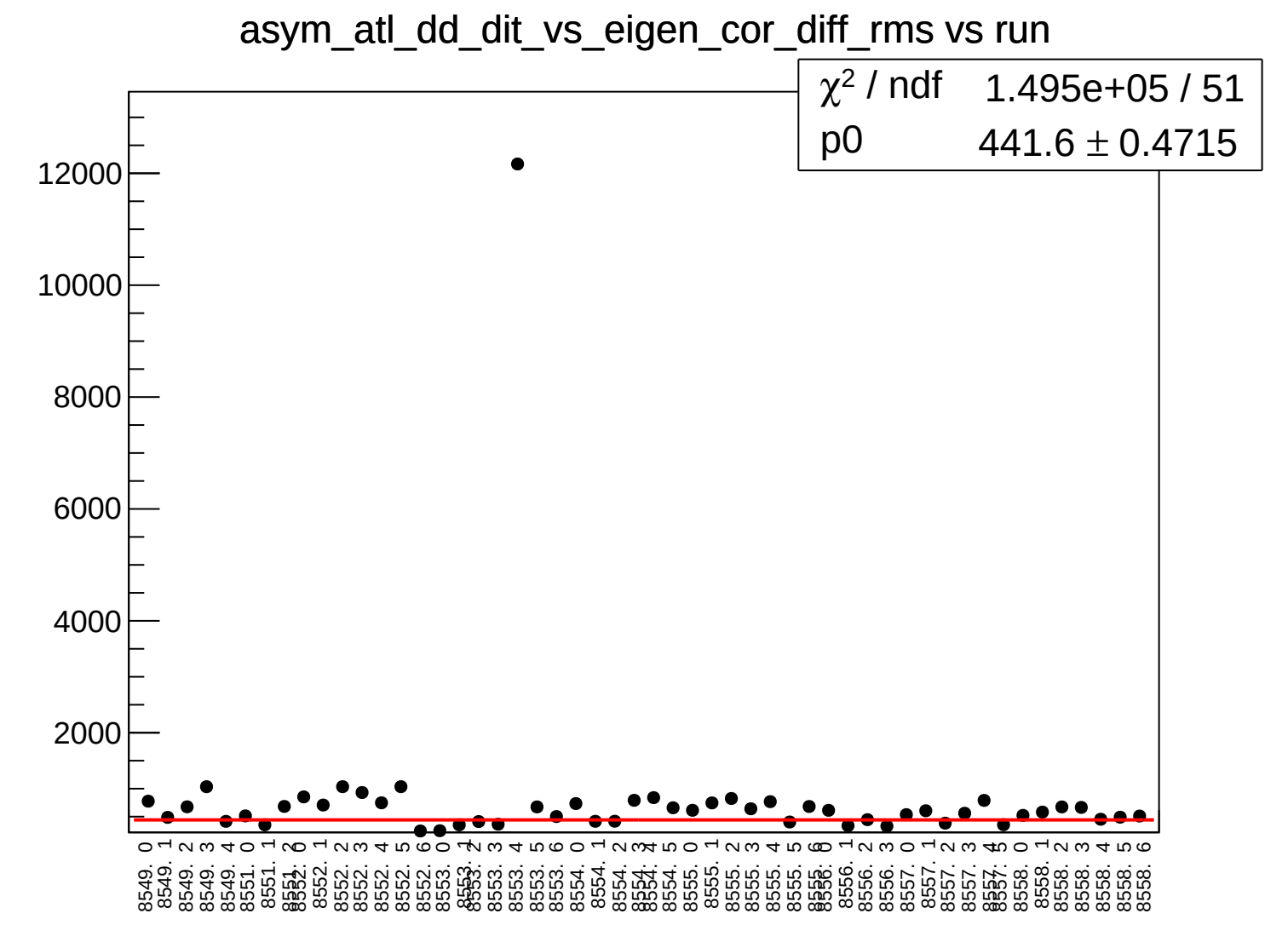

asym_atl_dd_dit_vs_cor_diff_mean vs run
χ² / ndf 59.51 / 51
p0 1.637 ± 0.6668
150
100
50
0
−50
−100
pull
Entries 52
Mean 208.2
Std Dev 0
2
1
0
−1
−2

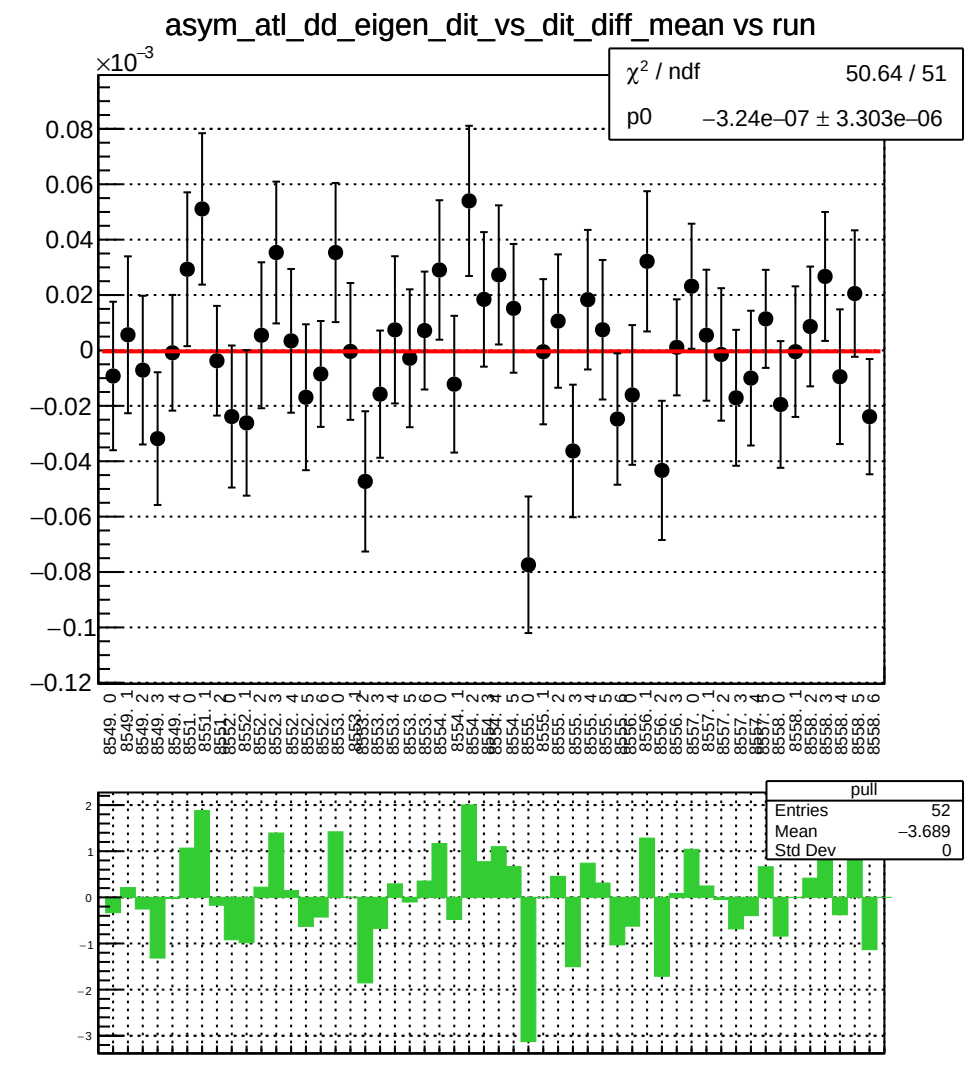

pull1D
Entries 52
Mean −0.01518
Std Dev 1.07
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

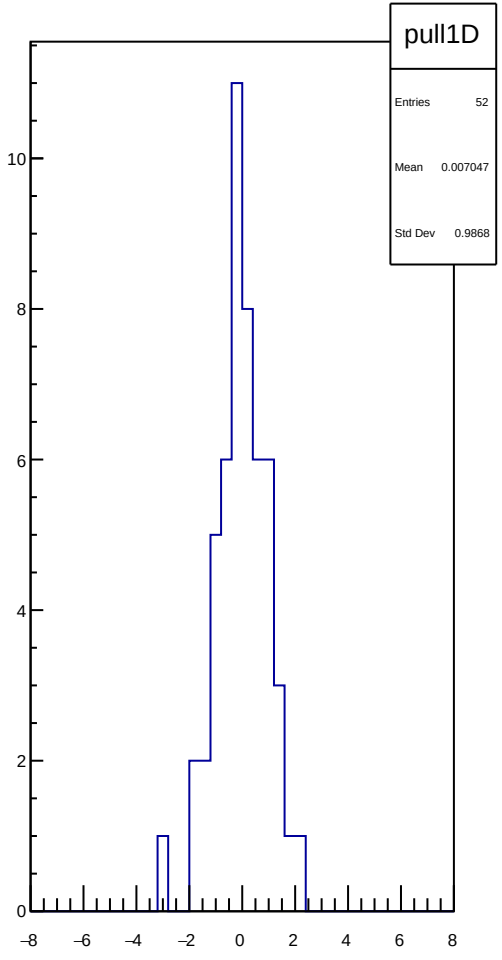

asym_atl_dd_dit_vs_cor_diff_rms vs run
χ² / ndf 1.495e+05 / 51
p0 441.6 ± 0.4715
12000
10000
8000
6000
4000
2000
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

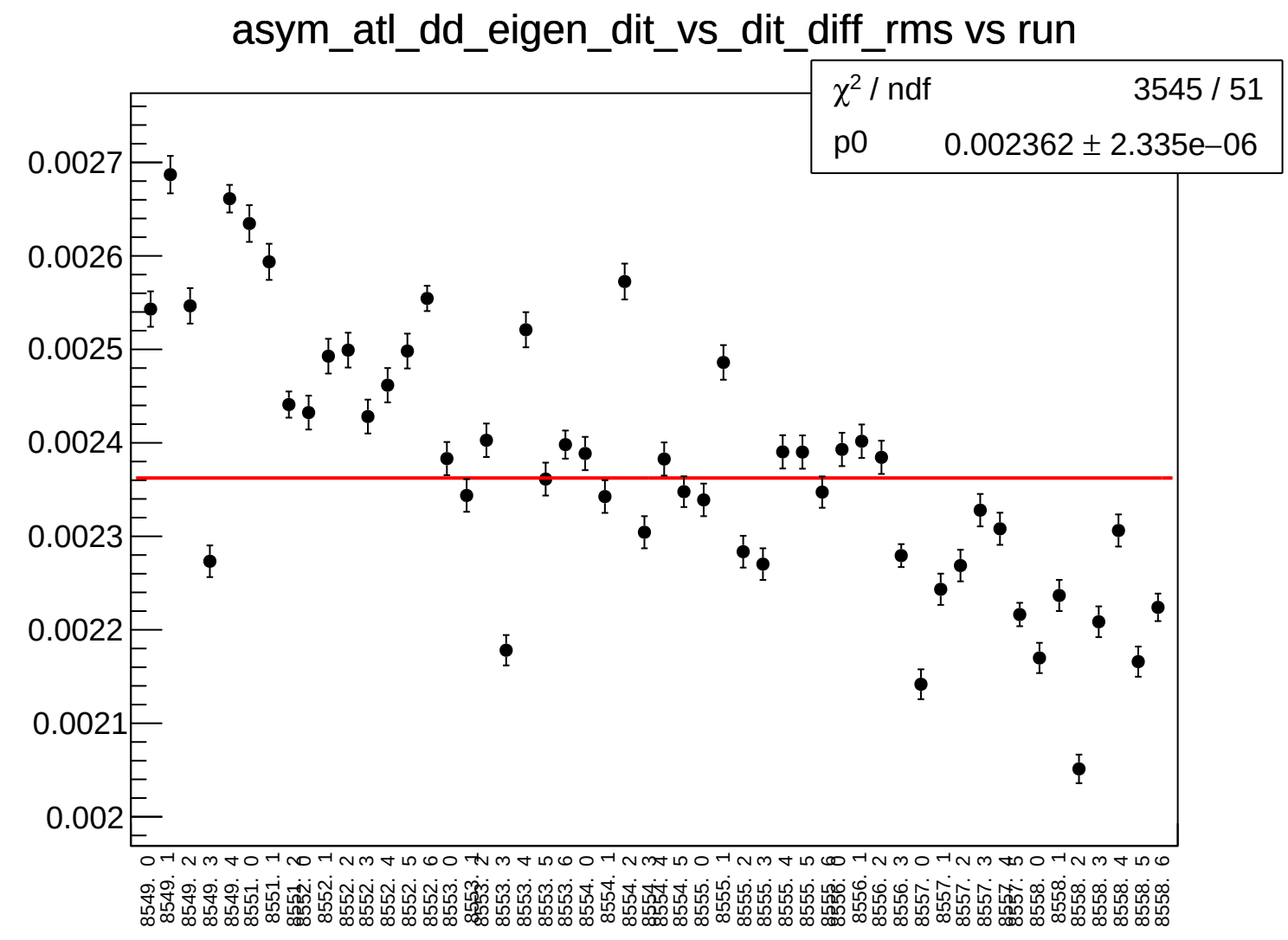

asym_atl_dd_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 59.51 / 51
p0 1.637 ± 0.6668
150
100
50
0
−50
−100
pull
Entries 52
Mean 208.2
Std Dev 0
2
1
0
−1
−2

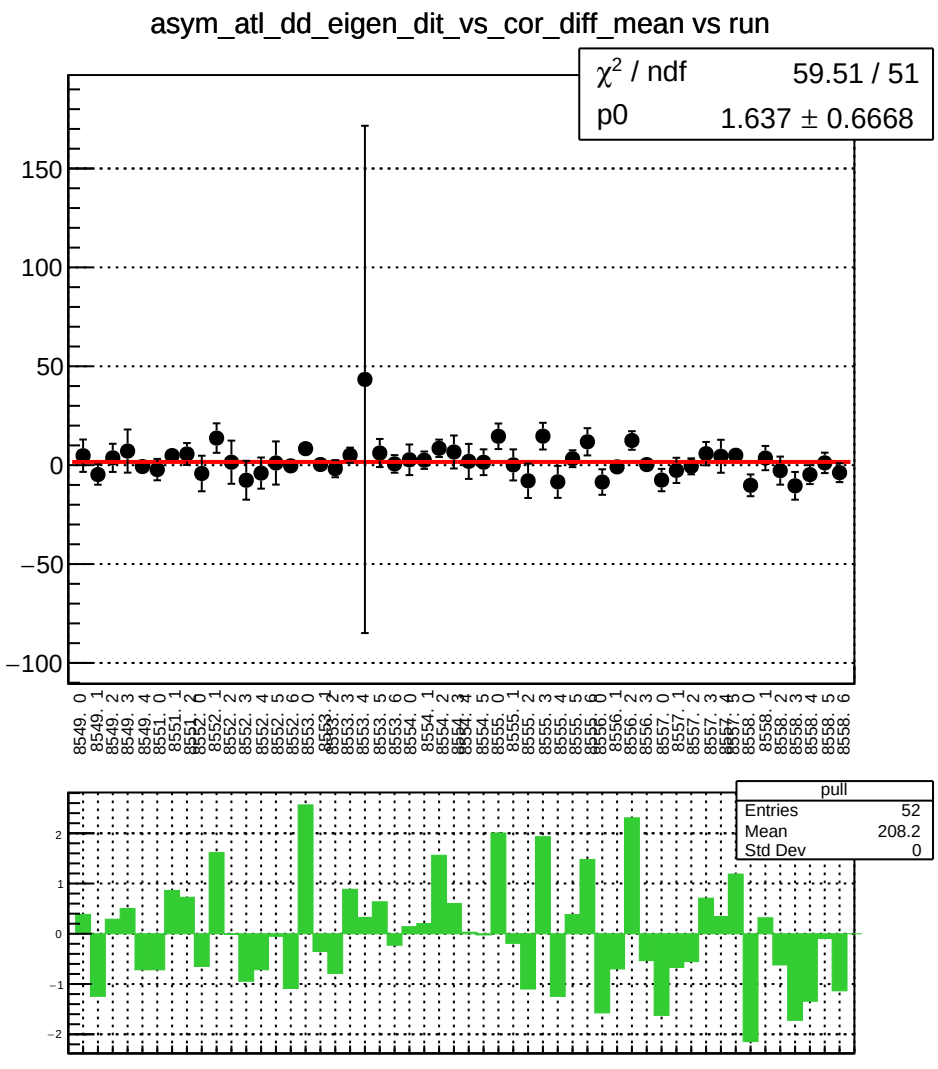

pull1D
Entries 52
Mean −0.01518
Std Dev 1.07
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

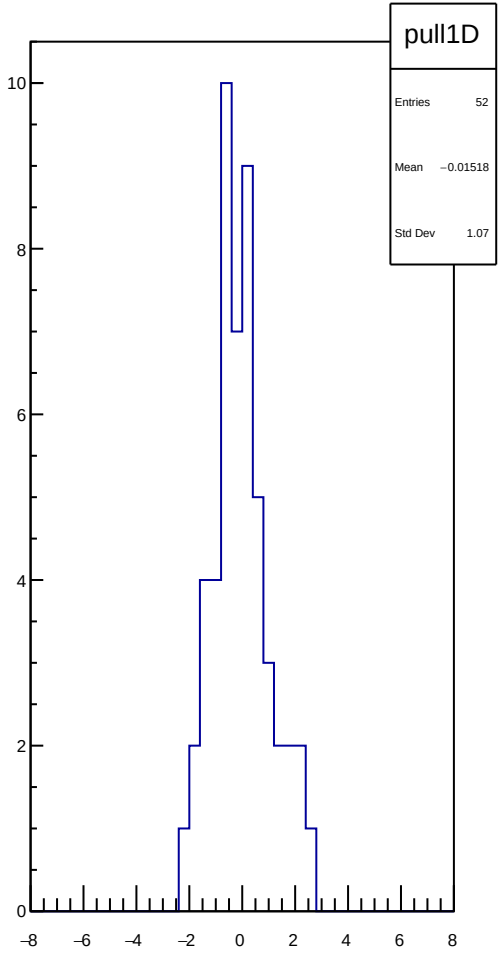

asym_atl_dd_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.495e+05 / 51
p0 441.6 ± 0.4715
12000
10000
8000
6000
4000
2000
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 0
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 2
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 5
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

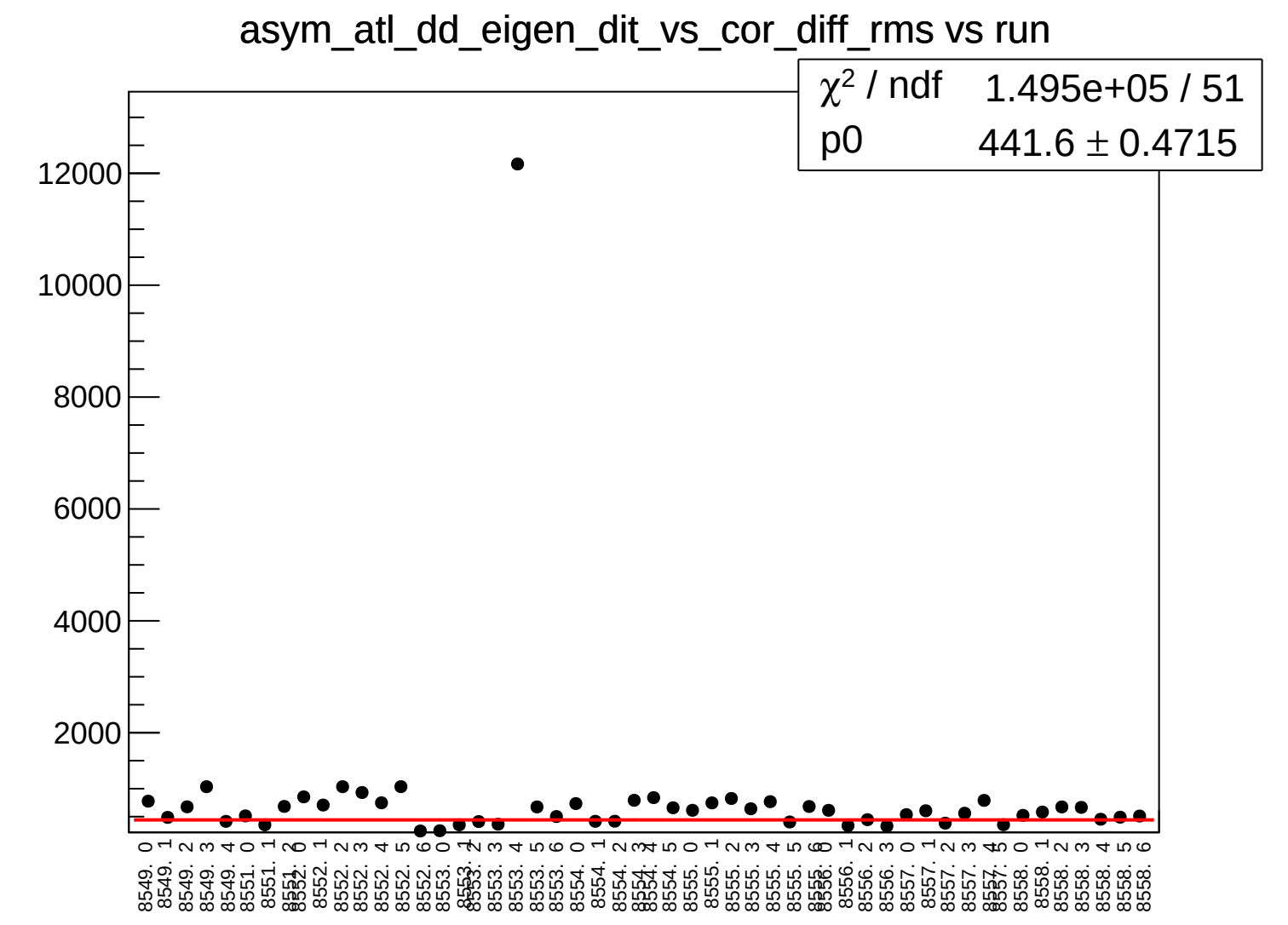

asym_atl_dd_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 50.64 / 51
p0 −3.24e−07 ± 3.303e−06
pull
Entries 52
Mean −3.689
Std Dev 0

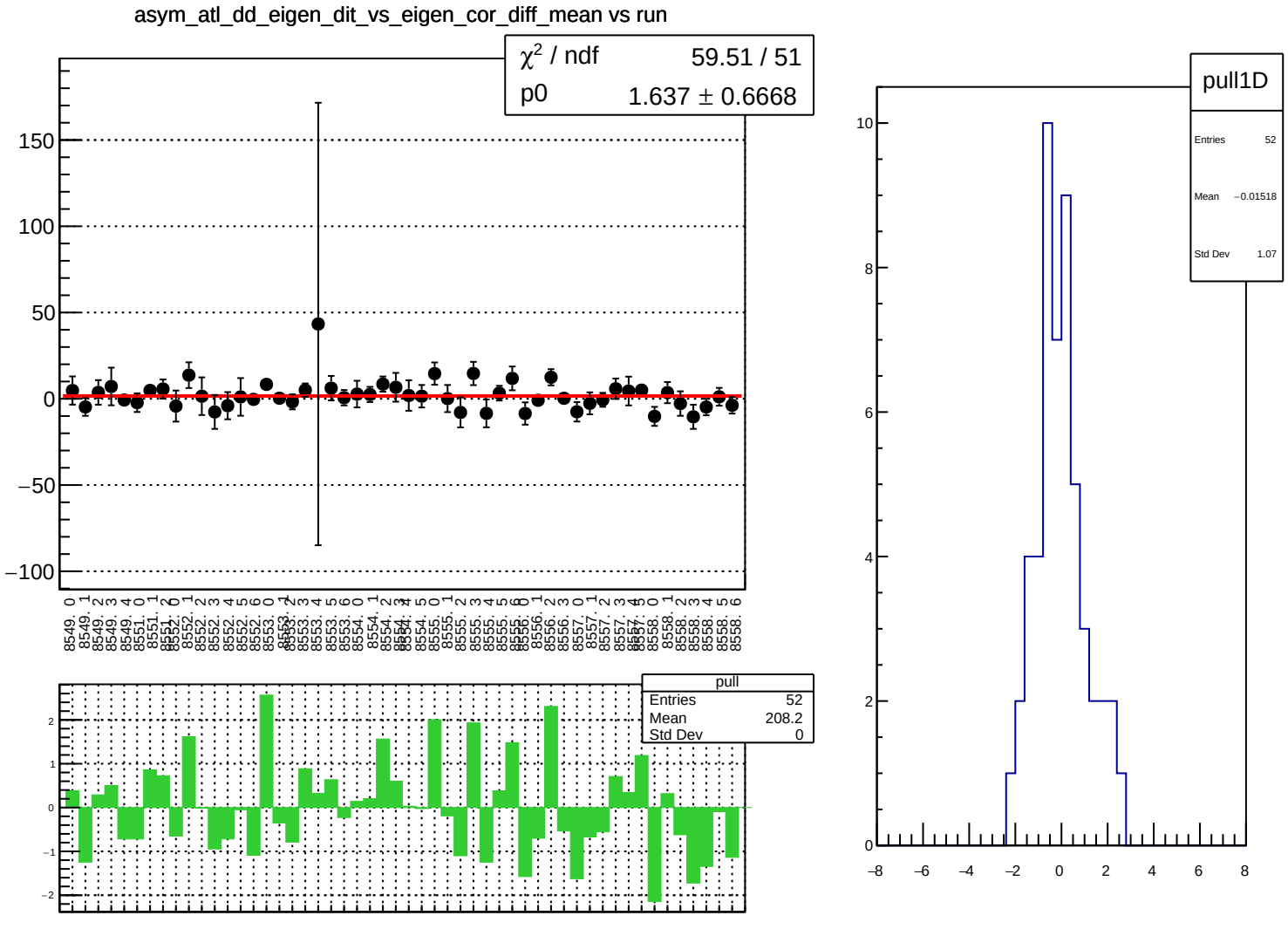

pull1D
Entries 52
Mean 0.007047
Std Dev 0.9868

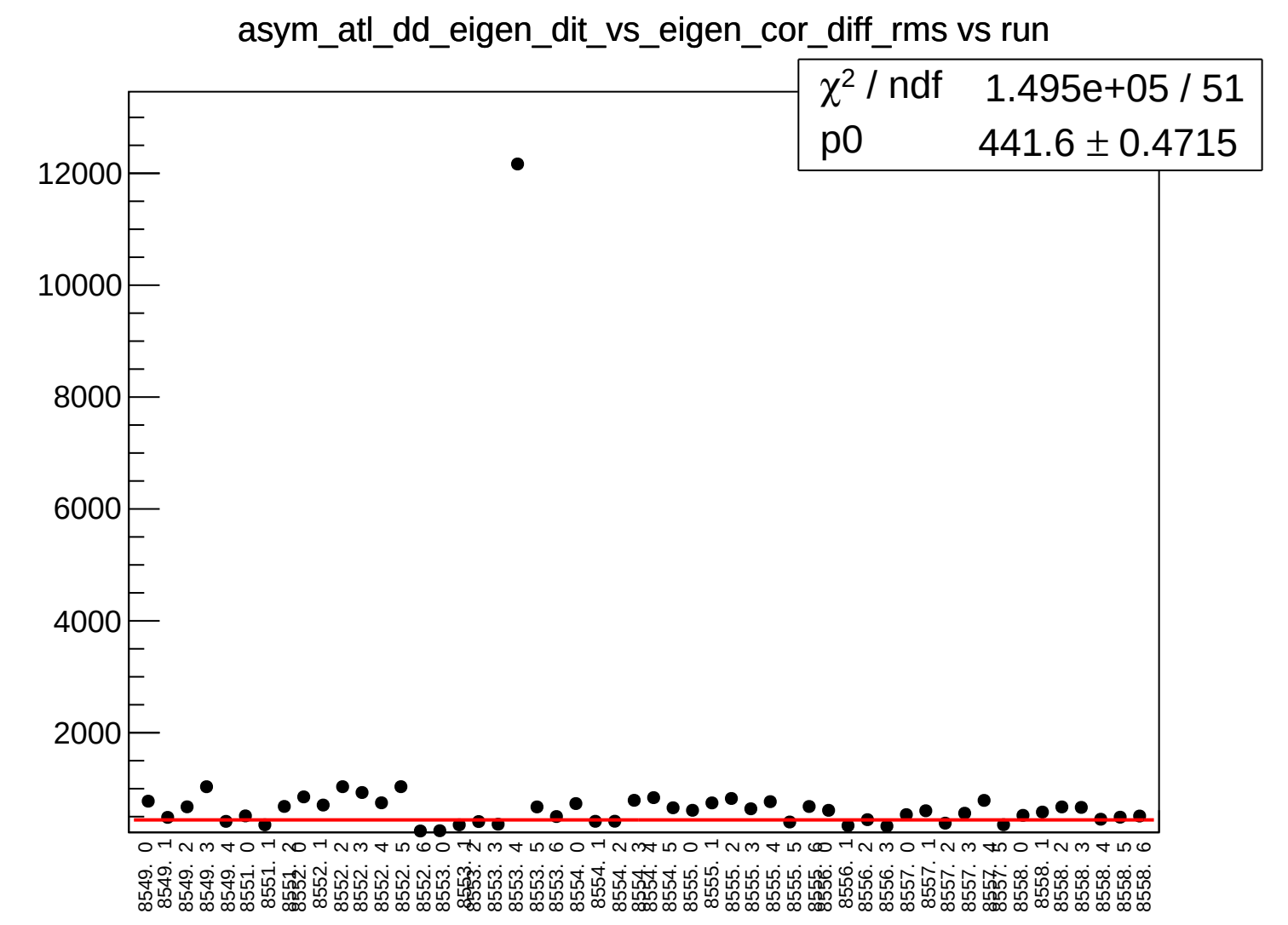

asym_atl_dd_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 3545 / 51
p0 0.002362 ± 2.335e−06
0.0027
0.0026
0.0025
0.0024
0.0023
0.0022
0.0021
0.002
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 5
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

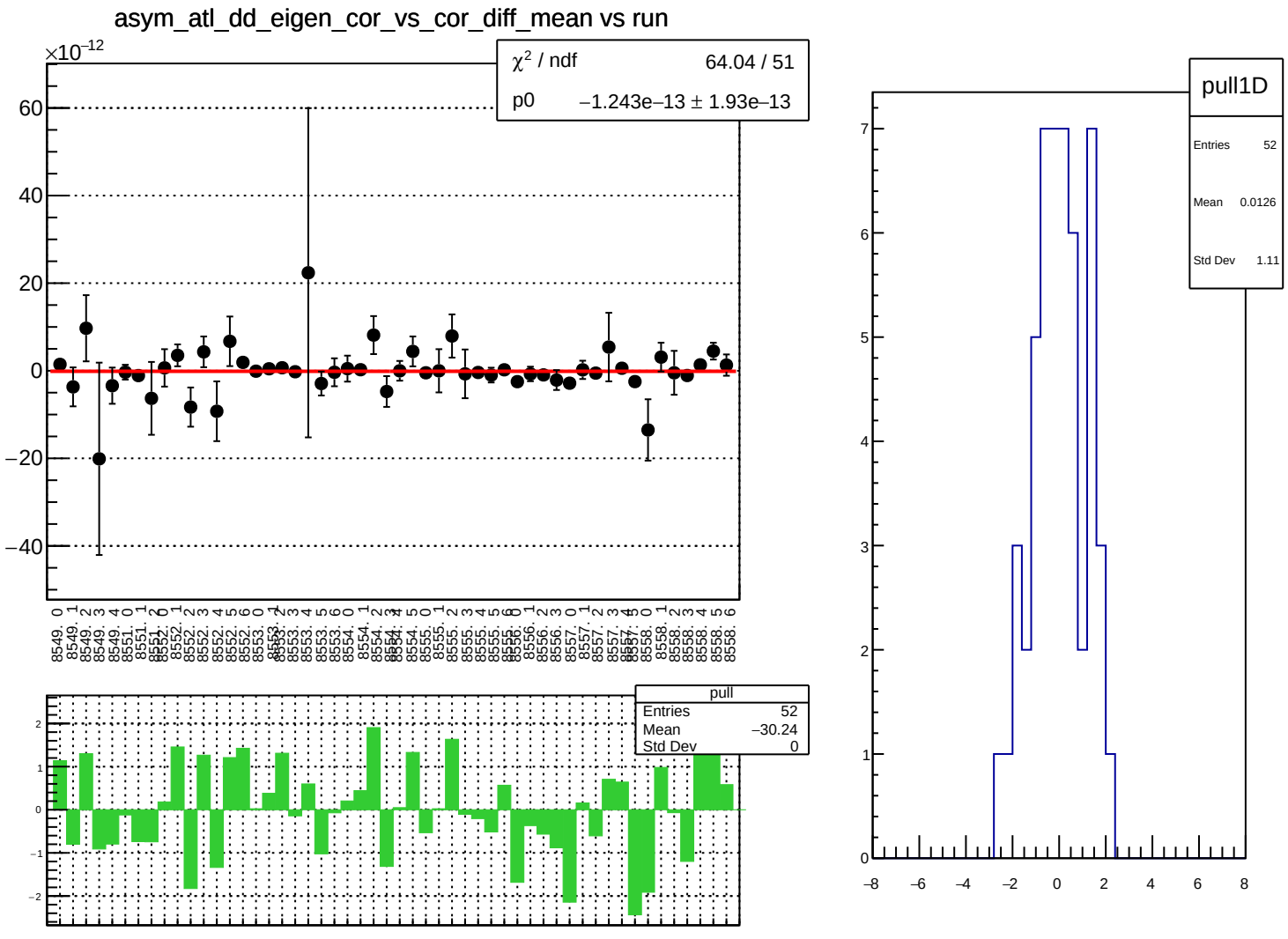

asym_atl_dd_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 59.51 / 51
p0 1.637 ± 0.6668
150
100
50
0
−50
−100
pull
Entries 52
Mean 208.2
Std Dev 0
2
1
0
−1
−2

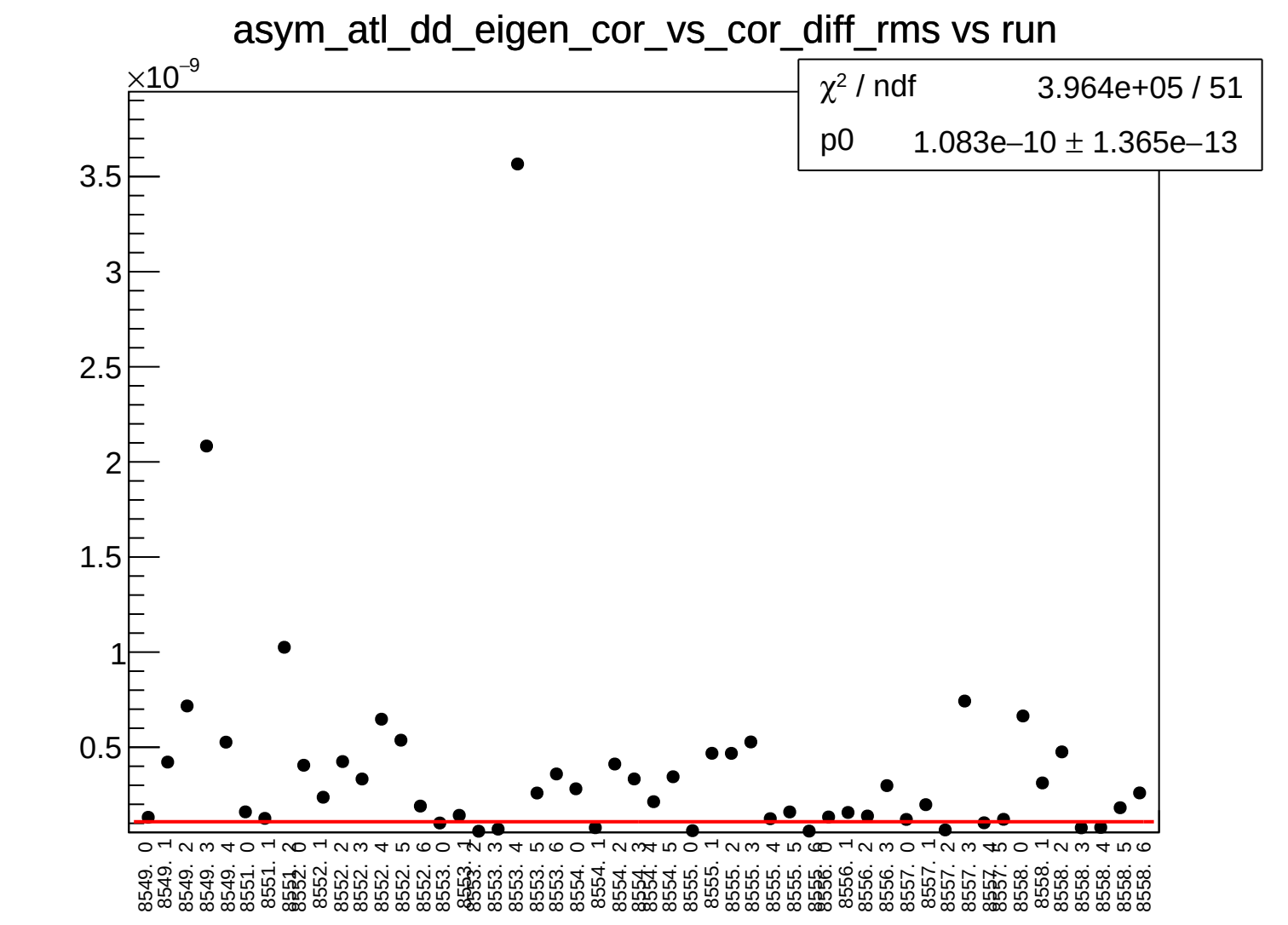

pull1D
Entries 52
Mean −0.01518
Std Dev 1.07
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

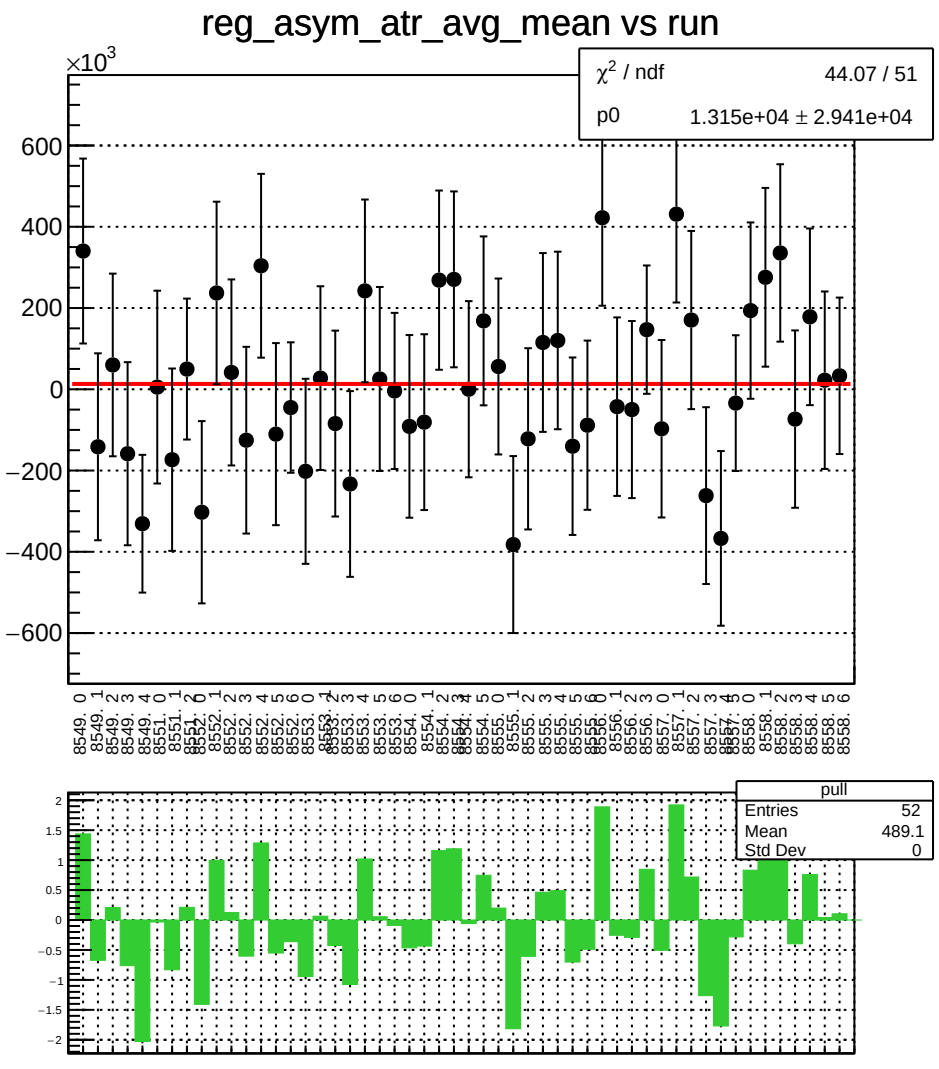

asym_atl_dd_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 1.495e+05 / 51
p0 441.6 ± 0.4715
12000
10000
8000
6000
4000
2000
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

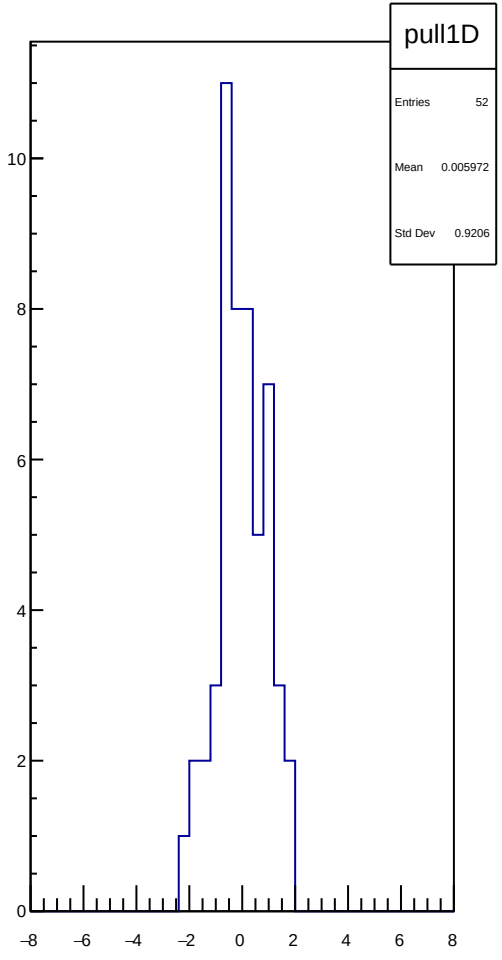

asym_atl_dd_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 59.51 / 51
p0 1.637 ± 0.6668
150
100
50
0
−50
−100
pull
Entries 52
Mean 208.2
Std Dev 0
pull1D
Entries 52
Mean −0.01518
Std Dev 1.07
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

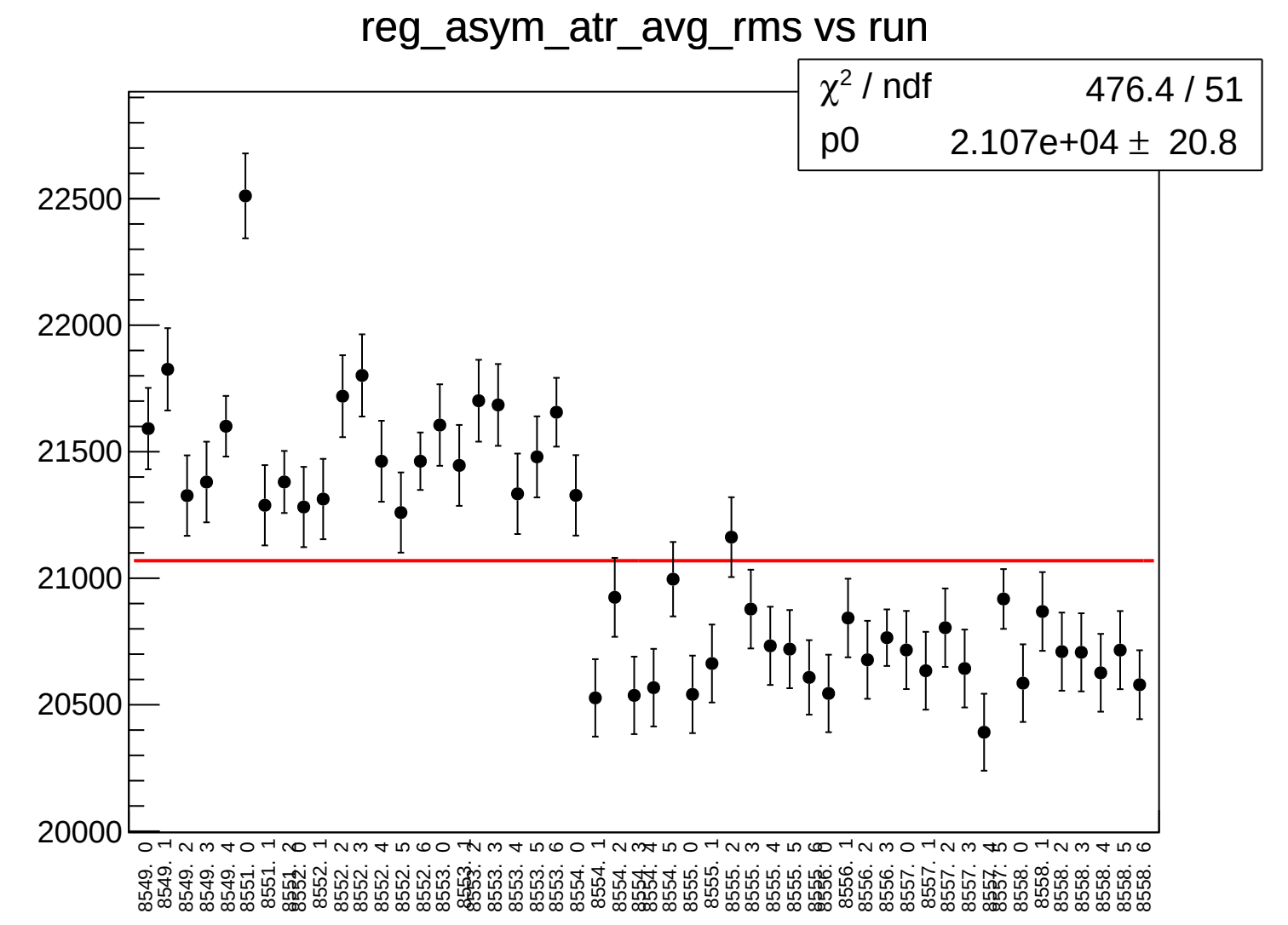

asym_atl_dd_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.495e+05 / 51
p0 441.6 ± 0.4715
12000
10000
8000
6000
4000
2000
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 0
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 1
8553. 2
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 3
8554. 4
8554. 5
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8557. 5
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

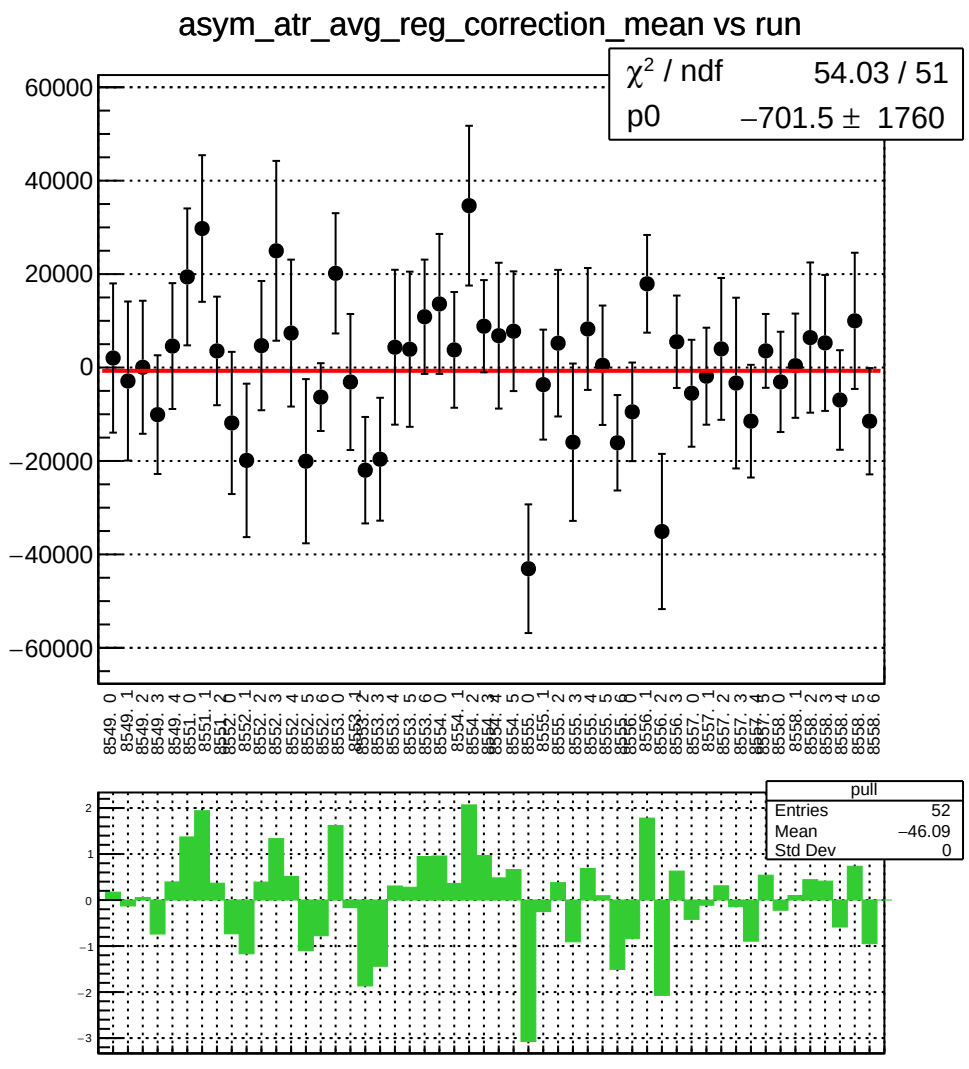

asym_atl_dd_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 64.04 / 51
p0 −1.243e−13 ± 1.93e−13
pull
Entries 52
Mean −30.24
Std Dev 0
pull1D
Entries 52
Mean 0.0126
Std Dev 1.11

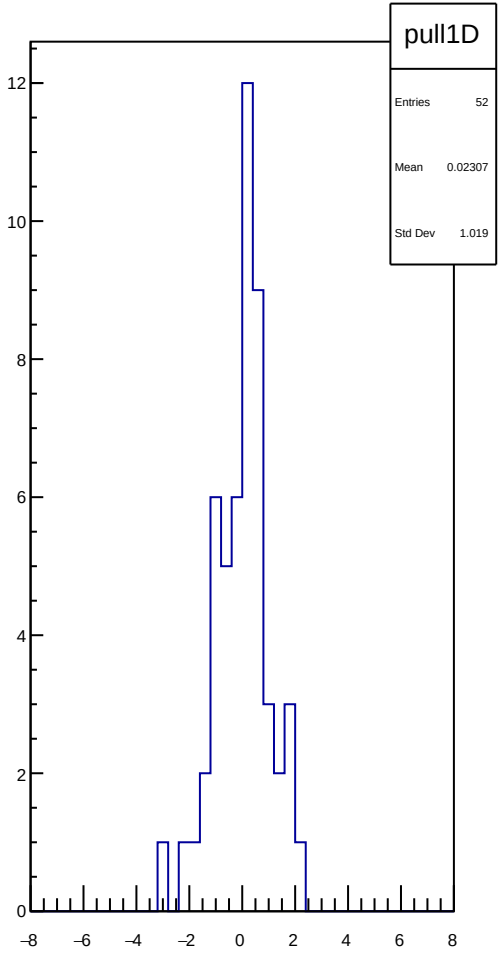

asym_atl_dd_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 3.964e+05 / 51
p0 1.083e−10 ± 1.365e−13
3.5
3
2.5
2
1.5
1
0.5
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

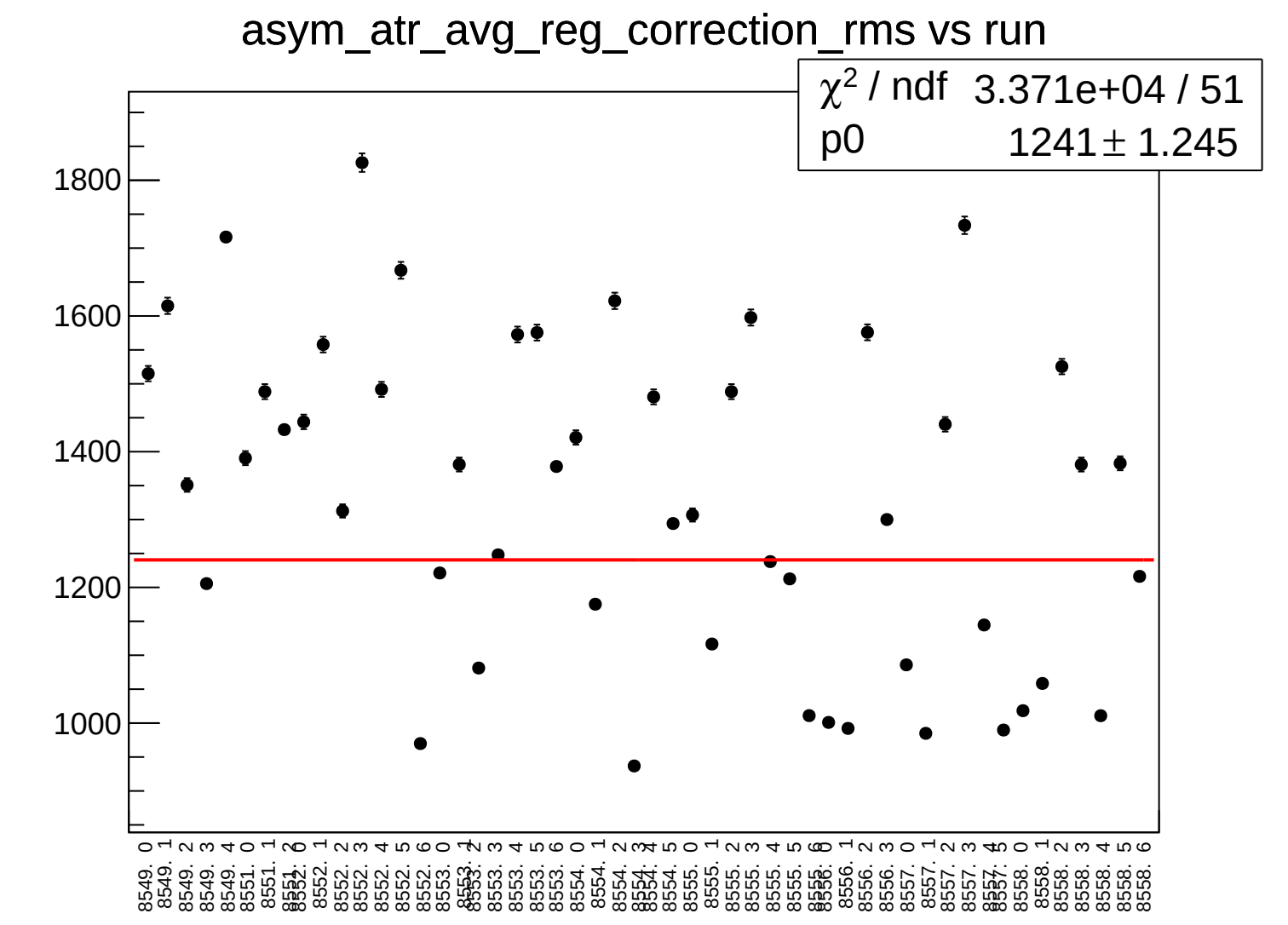

reg_asym_atr_avg_mean vs run
×10^3
χ² / ndf 44.07 / 51
p0 1.315e+04 ± 2.941e+04
600
400
200
0
−200
−400
−600
pull
Entries 52
Mean 489.1
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

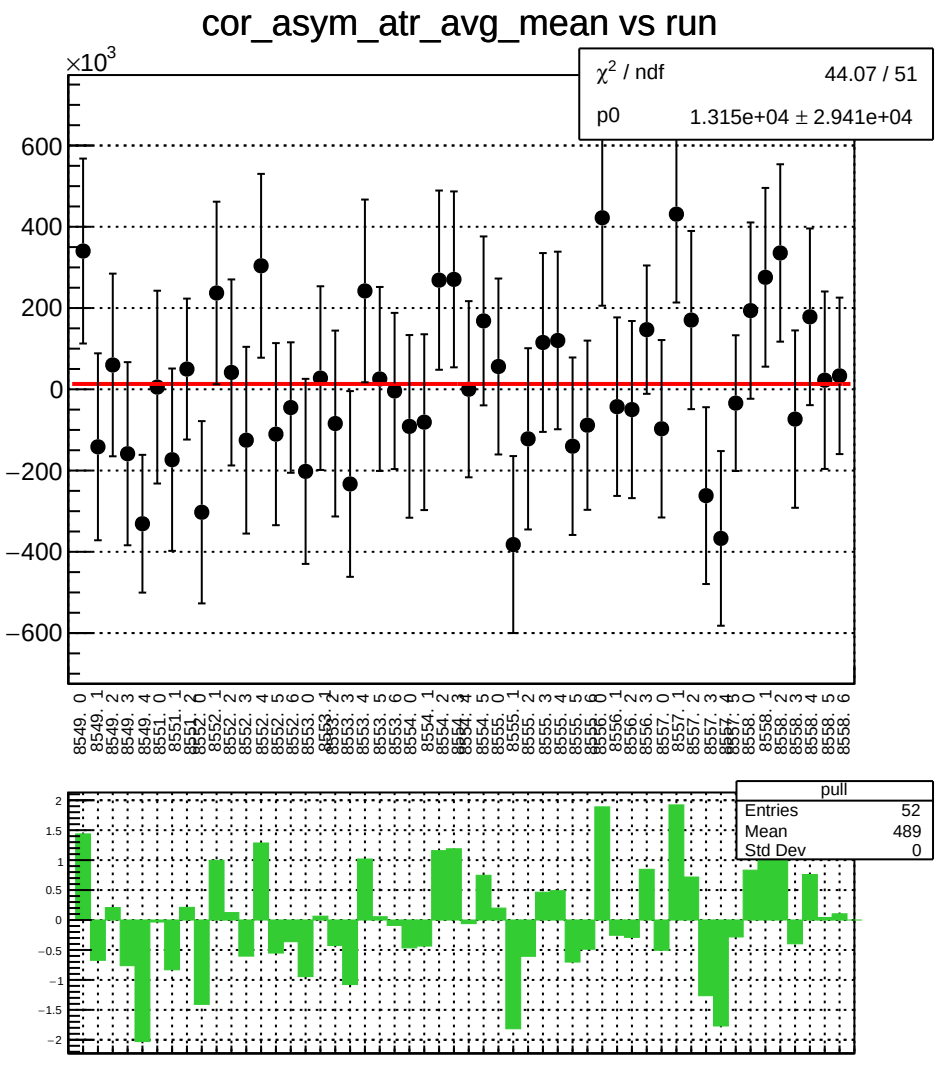

pull1D
Entries 52
Mean 0.005972
Std Dev 0.9206
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

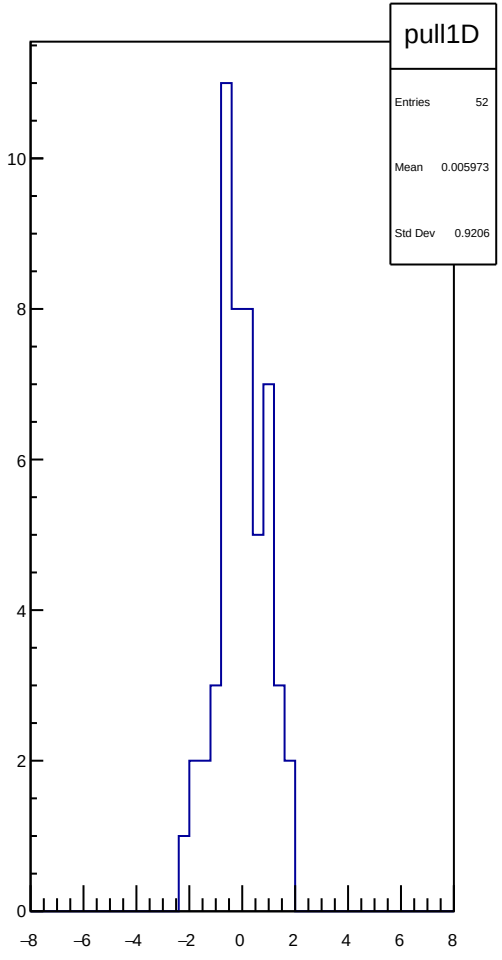

reg_asym_atr_avg_rms vs run
χ² / ndf 476.4 / 51
p0 2.107e+04 ± 20.8
22500
22000
21500
21000
20500
20000
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6


asym_atr_avg_reg_correction_mean vs run
χ² / ndf 54.03 / 51
p0 −701.5 ± 1760
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 52
Mean −46.09
Std Dev 0
2
1
0
−1
−2
−3


pull1D
Entries 52
Mean 0.02307
Std Dev 1.019
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


asym_atr_avg_reg_correction_rms vs run
χ² / ndf 3.371e+04 / 51
p0 1241 ± 1.245
1800
1600
1400
1200
1000
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 5
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6


cor_asym_atr_avg_mean vs run
×10^3
χ² / ndf 44.07 / 51
p0 1.315e+04 ± 2.941e+04
600
400
200
0
−200
−400
−600
pull
Entries 52
Mean 489
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2


pull1D
Entries 52
Mean 0.005973
Std Dev 0.9206
10
8
6
4
2
0
−8
−6
−4
−2
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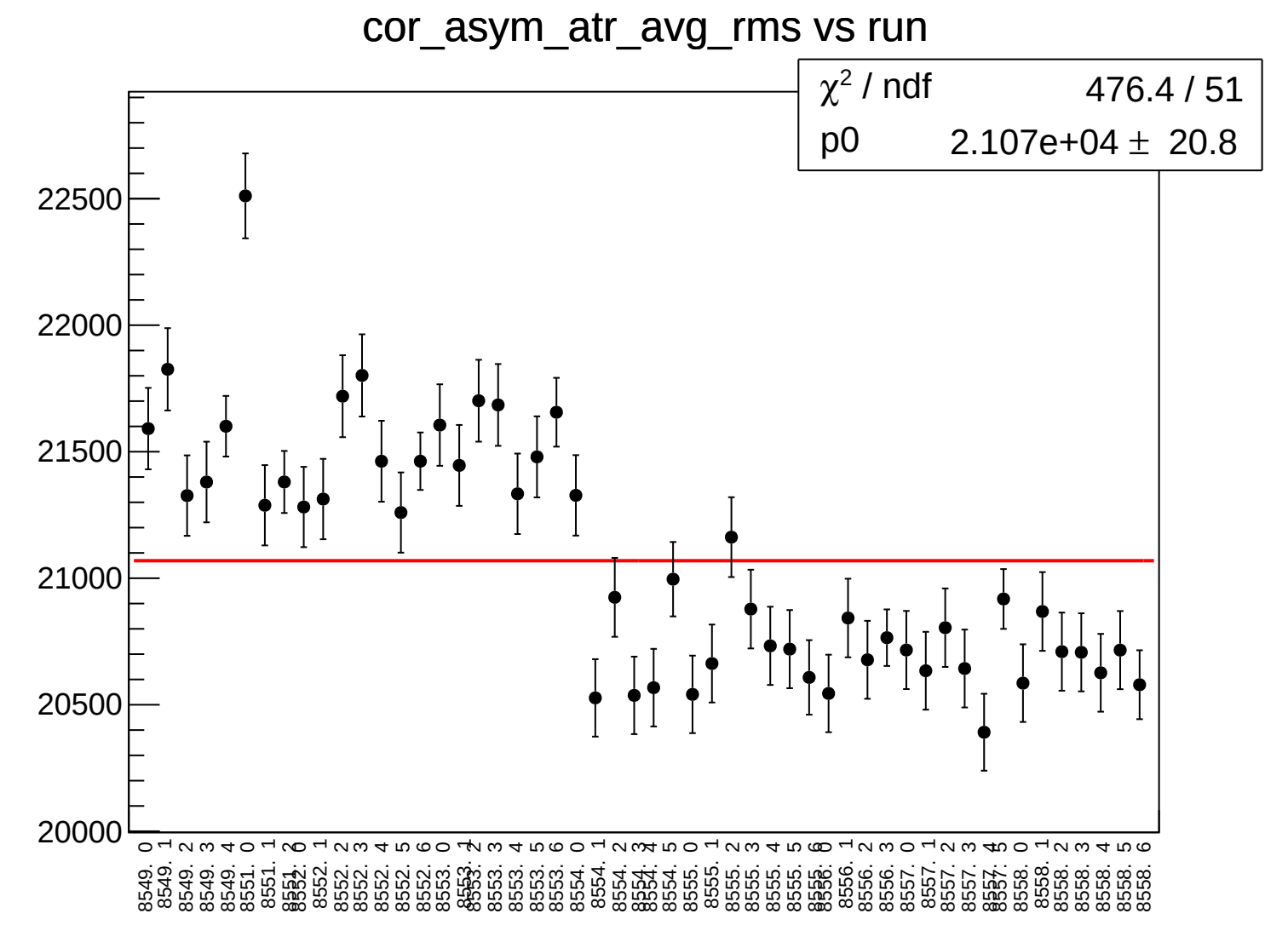
2
4
6
8


cor_asym_atr_avg_rms vs run
χ² / ndf 476.4 / 51
p0 2.107e+04 ± 20.8
22500
22000
21500
21000
20500
20000
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
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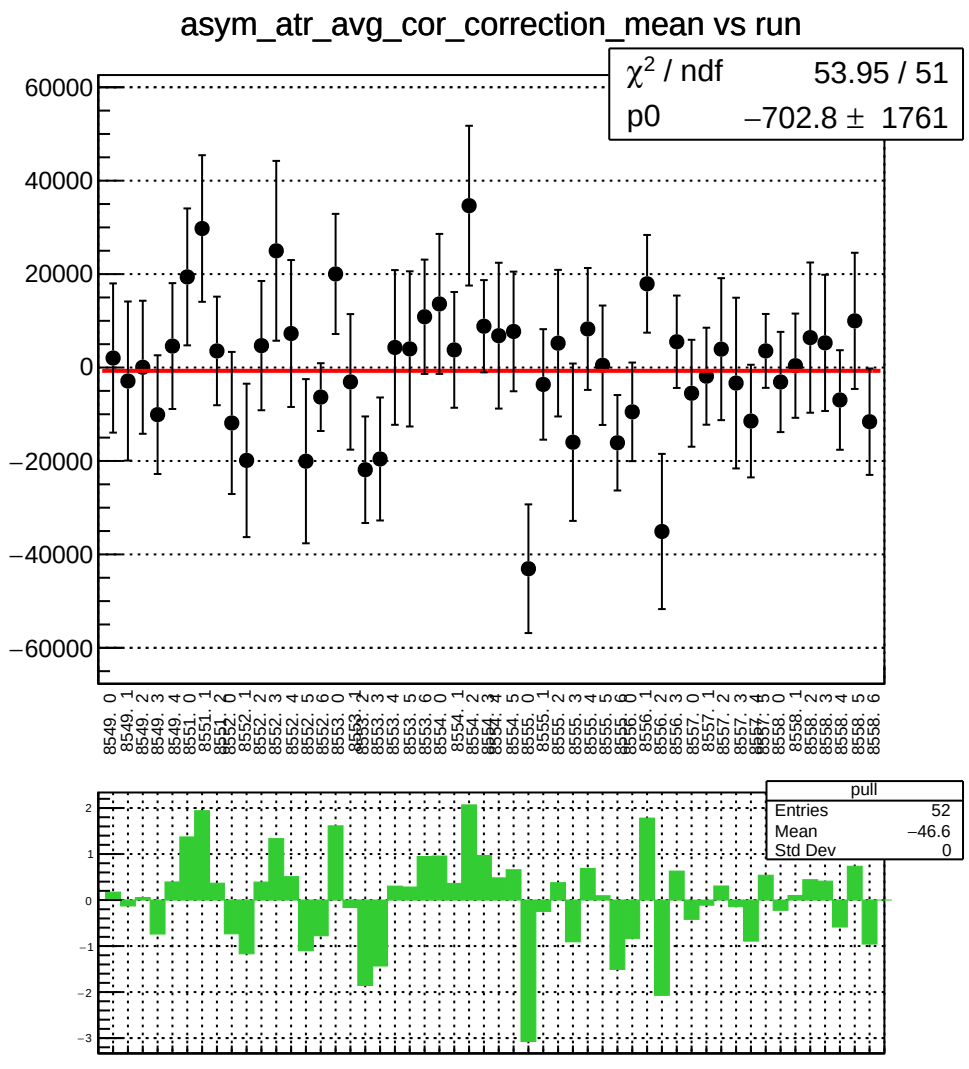
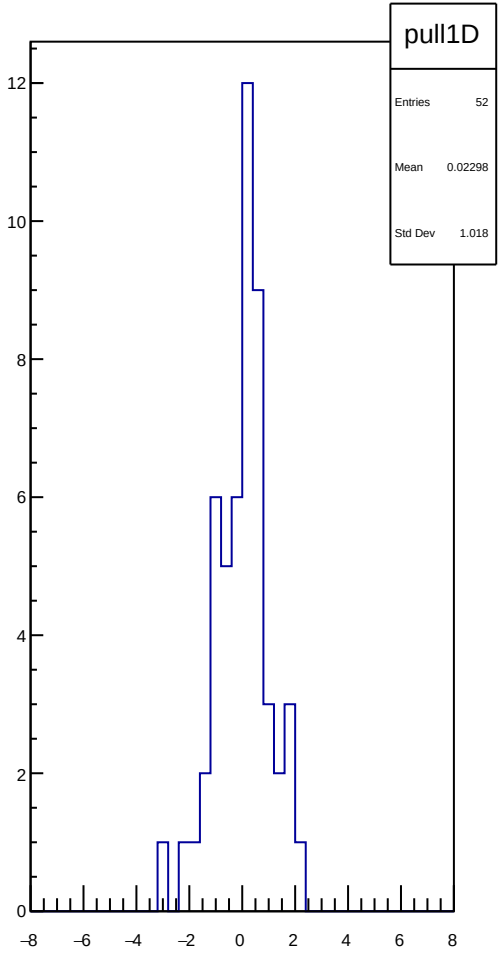
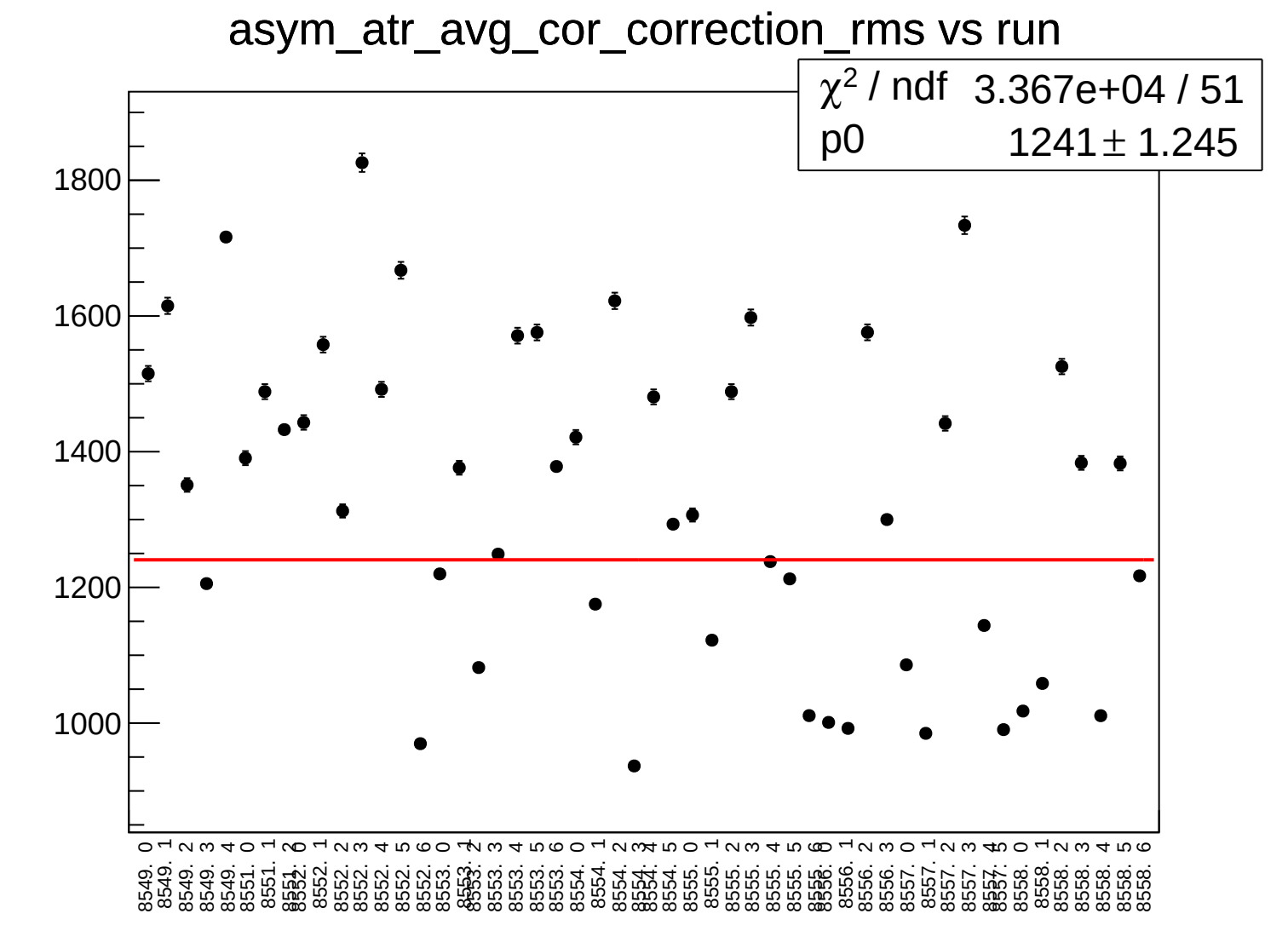
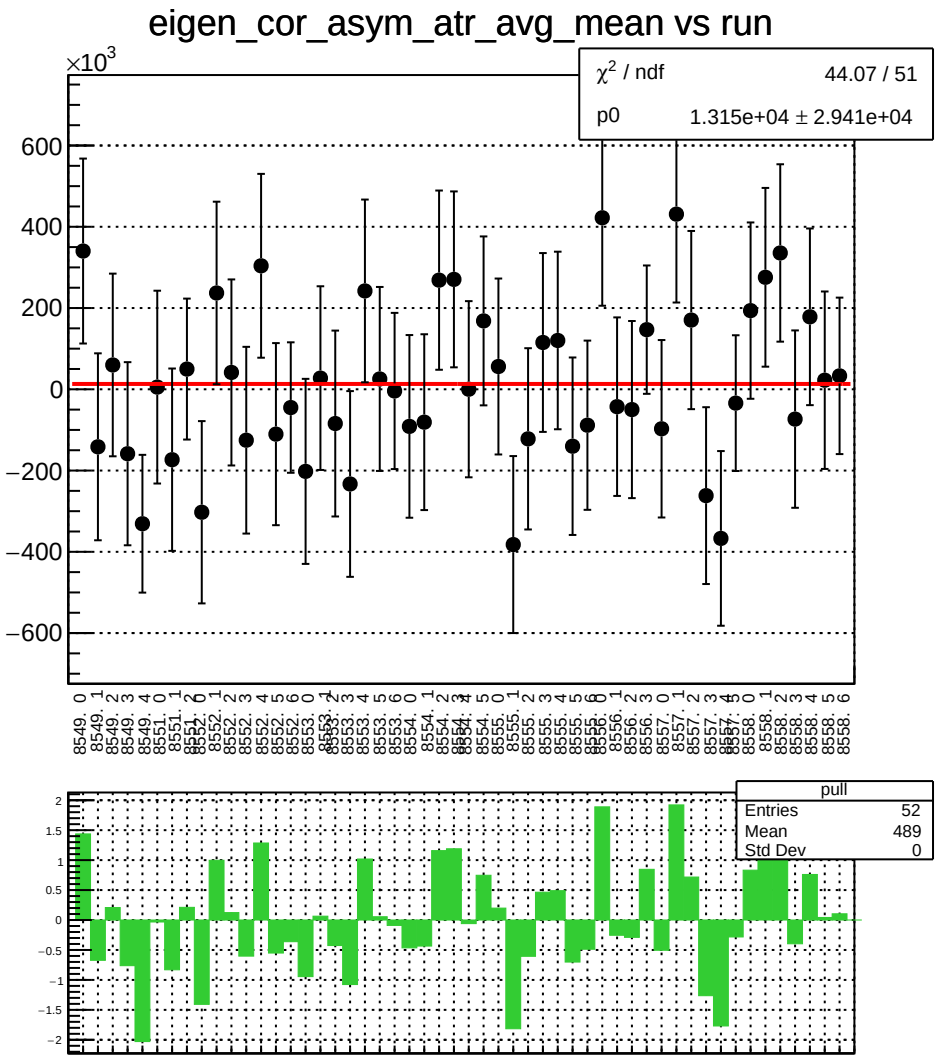
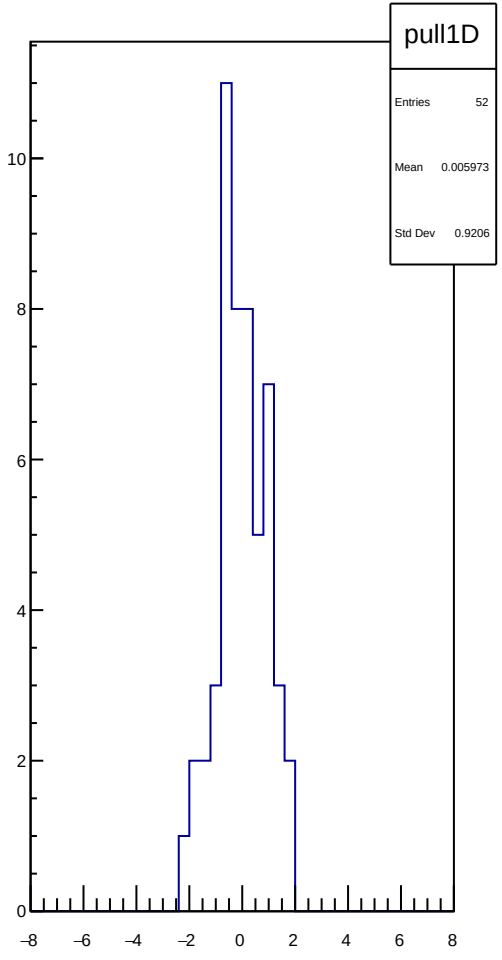
8558. 5
8558. 6


asym_atr_avg_cor_correction_mean vs run
χ² / ndf 53.95 / 51
p0 −702.8 ± 1761
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 52
Mean −46.6
Std Dev 0
2
1
0
−1
−2
−3


pull1D
Entries 52
Mean 0.02298
Std Dev 1.018
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


asym_atr_avg_cor_correction_rms vs run
χ² / ndf 3.367e+04 / 51
p0 1241 ± 1.245
1800
1600
1400
1200
1000
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 5
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6


eigen_cor_asym_atr_avg_mean vs run
×10^3
χ² / ndf 44.07 / 51
p0 1.315e+04 ± 2.941e+04
600
400
200
0
−200
−400
−600
pull
Entries 52
Mean 489
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2


pull1D
Entries 52
Mean 0.005973
Std Dev 0.9206
10
8
6
4
2
0
−8
−6
−4
−2
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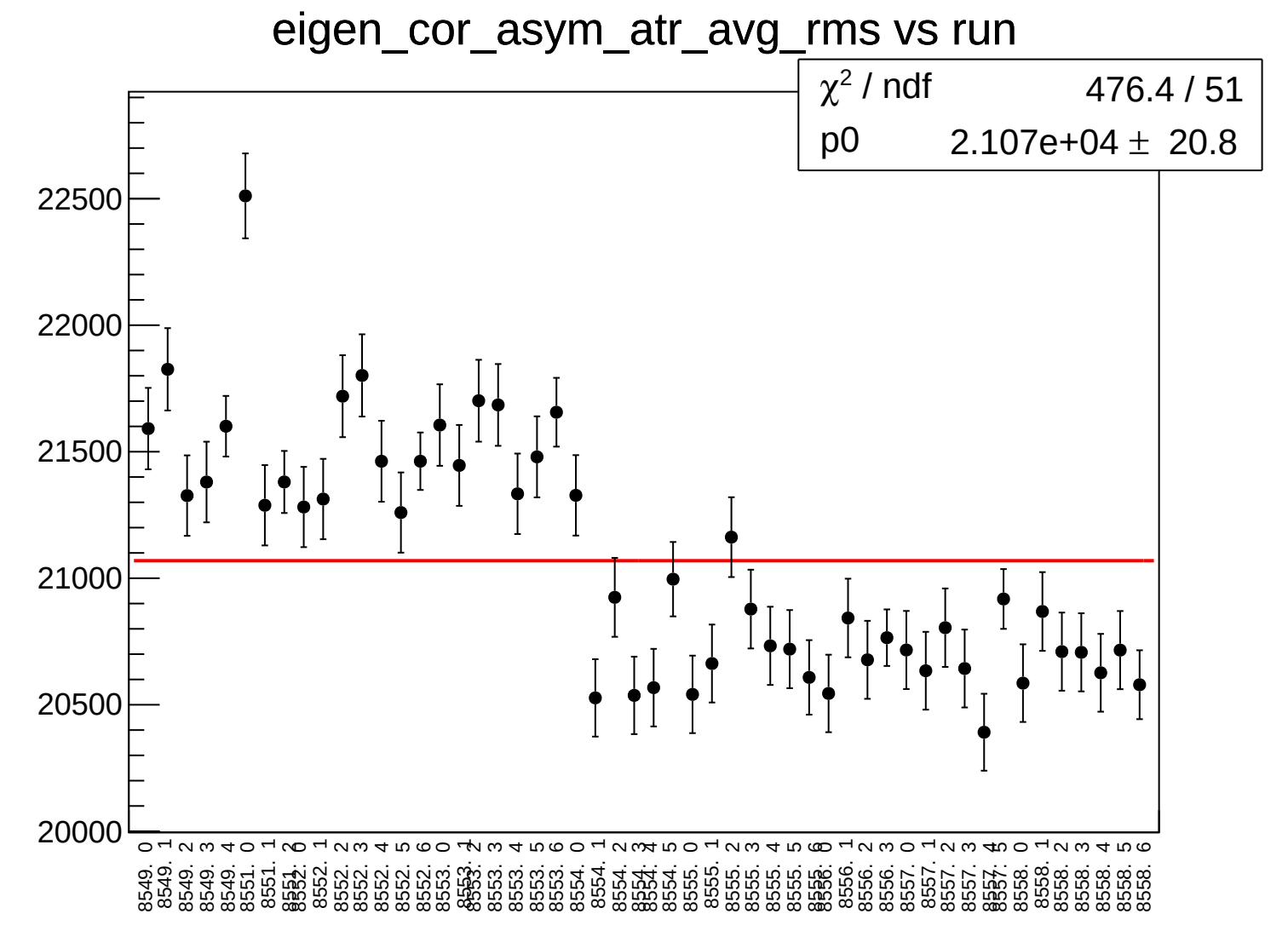
2
4
6
8


eigen_cor_asym_atr_avg_rms vs run
χ² / ndf 476.4 / 51
p0 2.107e+04 ± 20.8
22500
22000
21500
21000
20500
20000
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
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8554. 1
8554. 2
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
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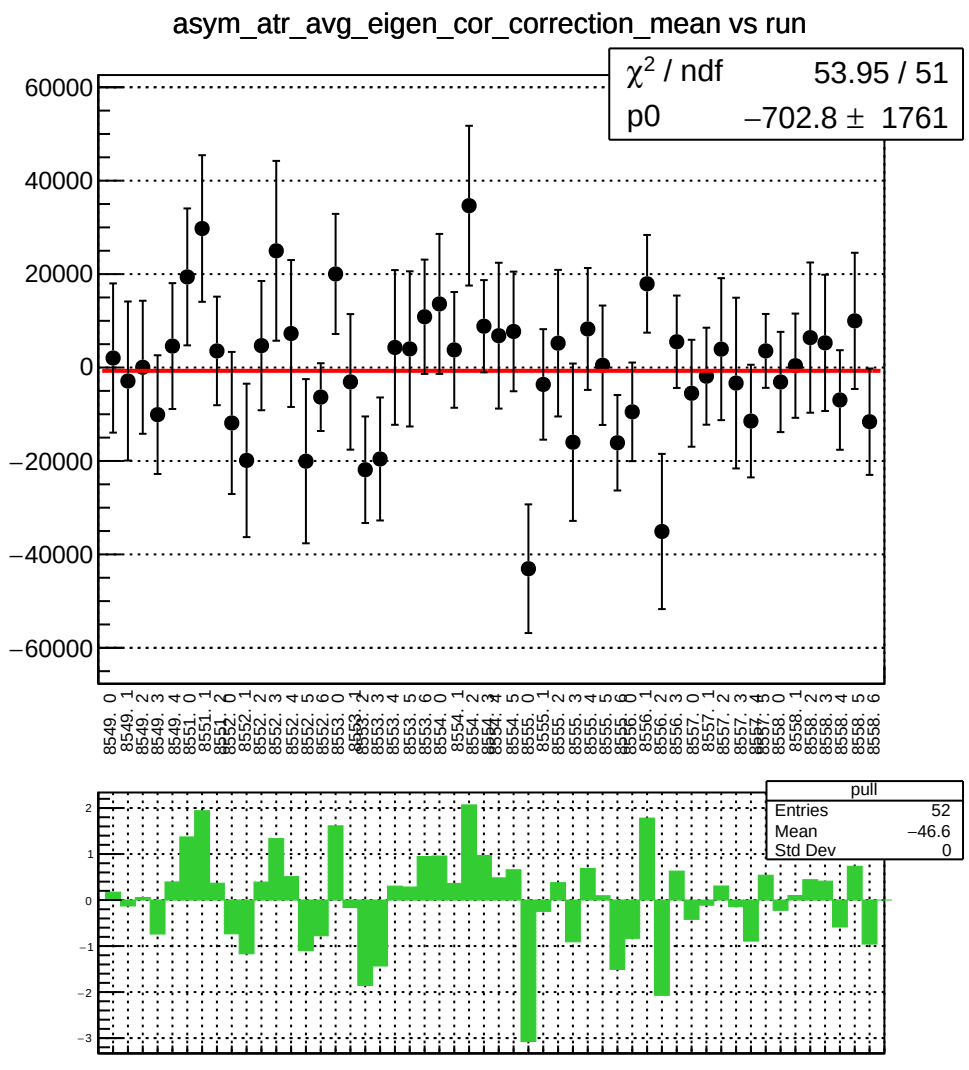
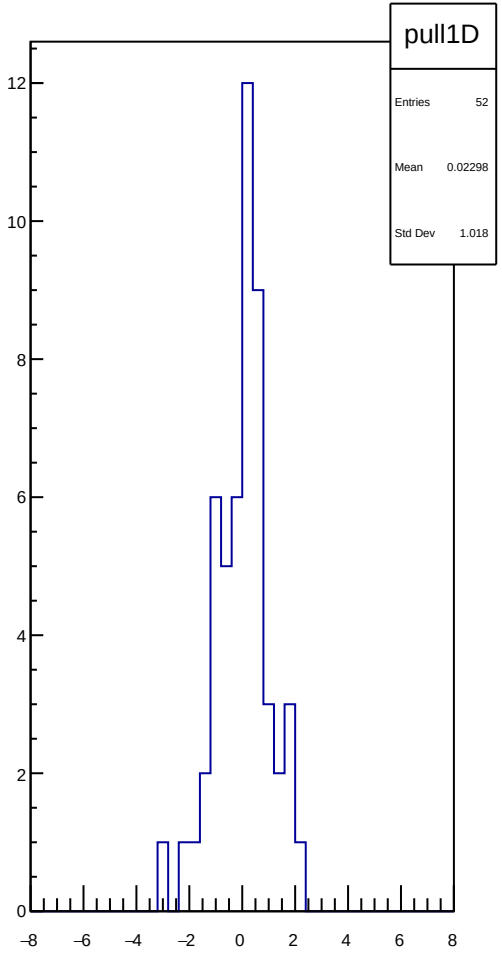
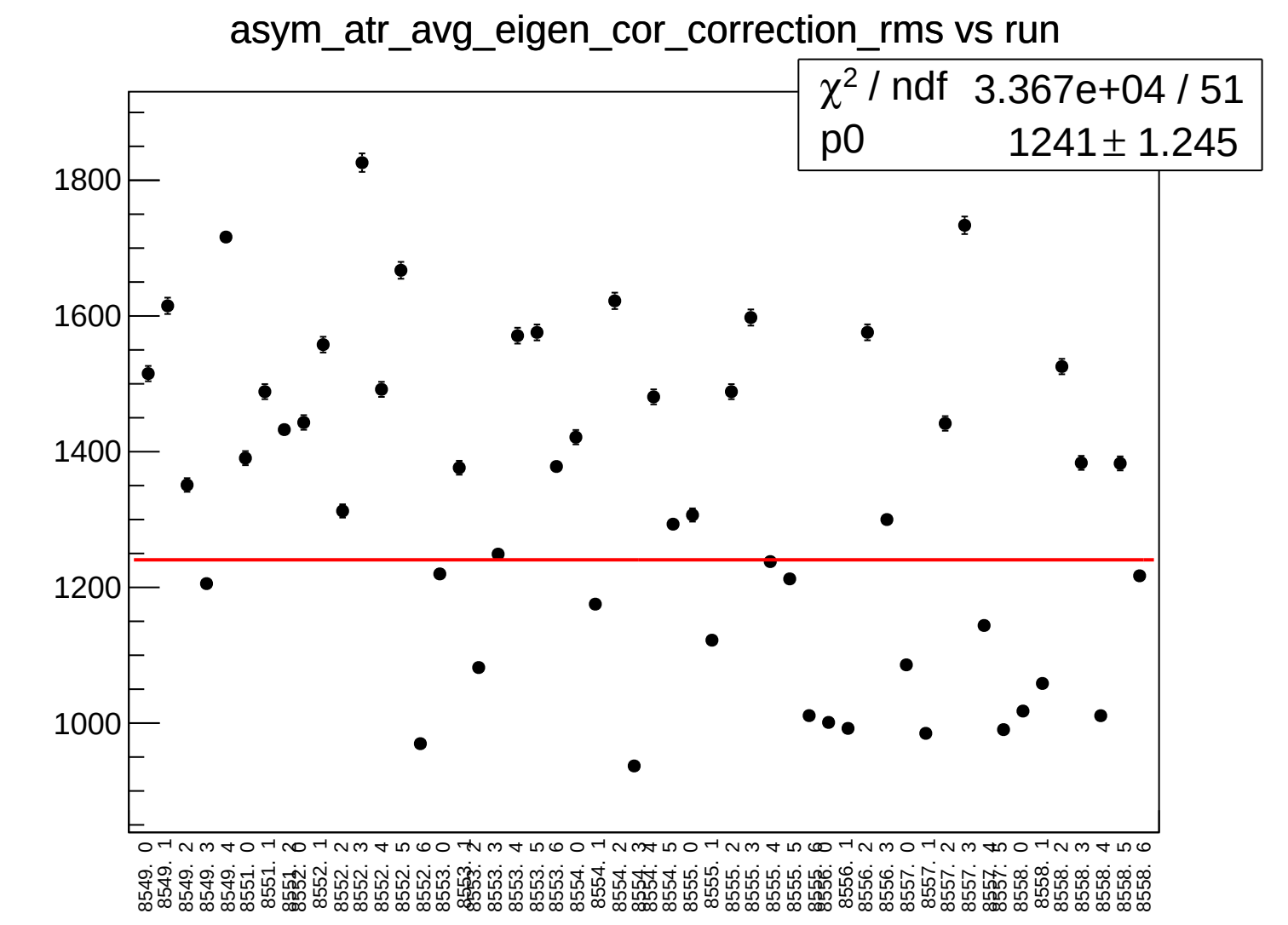
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6


asym_atr_avg_eigen_cor_correction_mean vs run
χ² / ndf 53.95 / 51
p0 −702.8 ± 1761
pull
Entries 52
Mean −46.6
Std Dev 0


pull1D
Entries 52
Mean 0.02298
Std Dev 1.018


asym_atr_avg_eigen_cor_correction_rms vs run
χ² / ndf 3.367e+04 / 51
p0 1241 ± 1.245
1800
1600
1400
1200
1000
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
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8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 5
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
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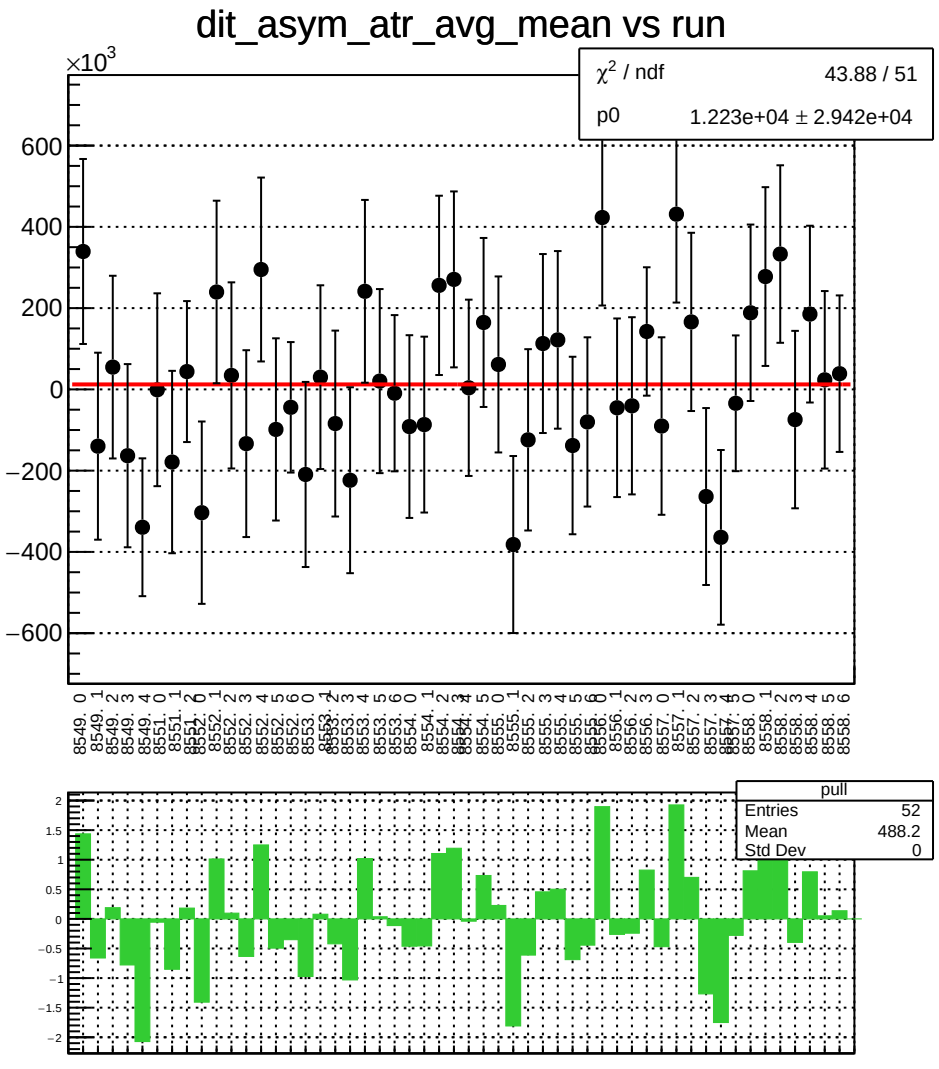
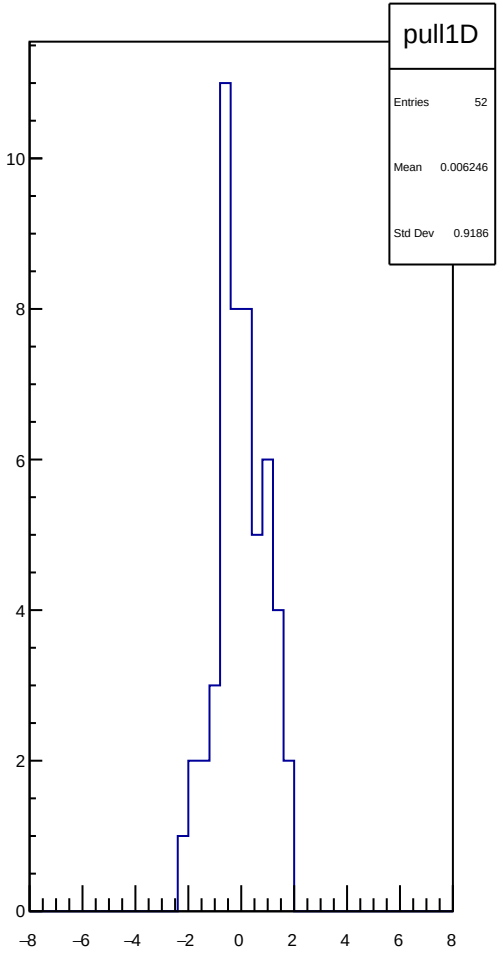
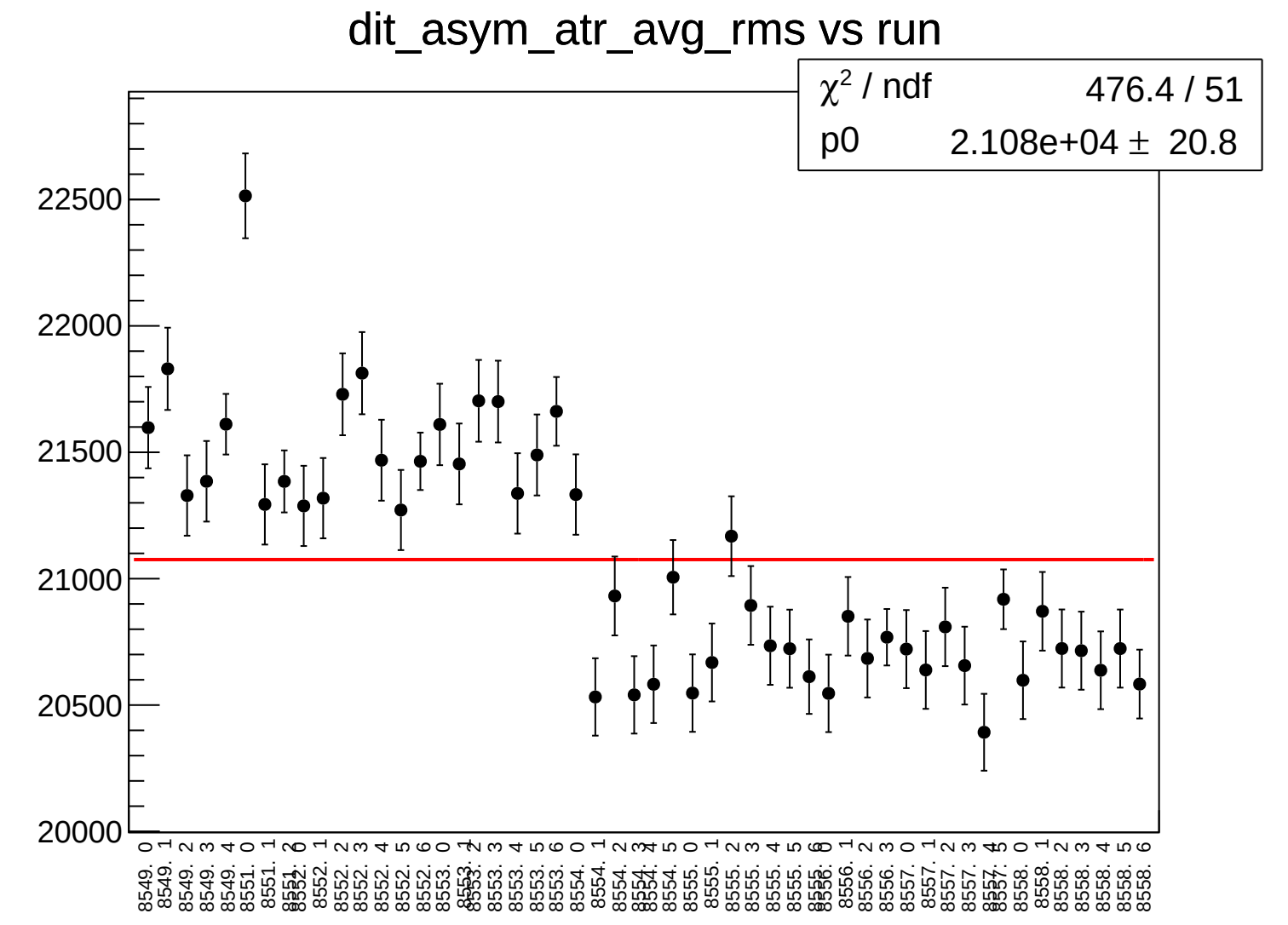
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6


dit_asym_atr_avg_mean vs run
×10^3
χ² / ndf 43.88 / 51
p0 1.223e+04 ± 2.942e+04
600
400
200
0
−200
−400
−600
pull
Entries 52
Mean 488.2
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2


pull1D
Entries 52
Mean 0.006246
Std Dev 0.9186
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


dit_asym_atr_avg_rms vs run
χ² / ndf 476.4 / 51
p0 2.108e+04 ± 20.8
22500
22000
21500
21000
20500
20000
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
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8555. 3
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8556. 1
8556. 2
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8557. 0
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8558. 2
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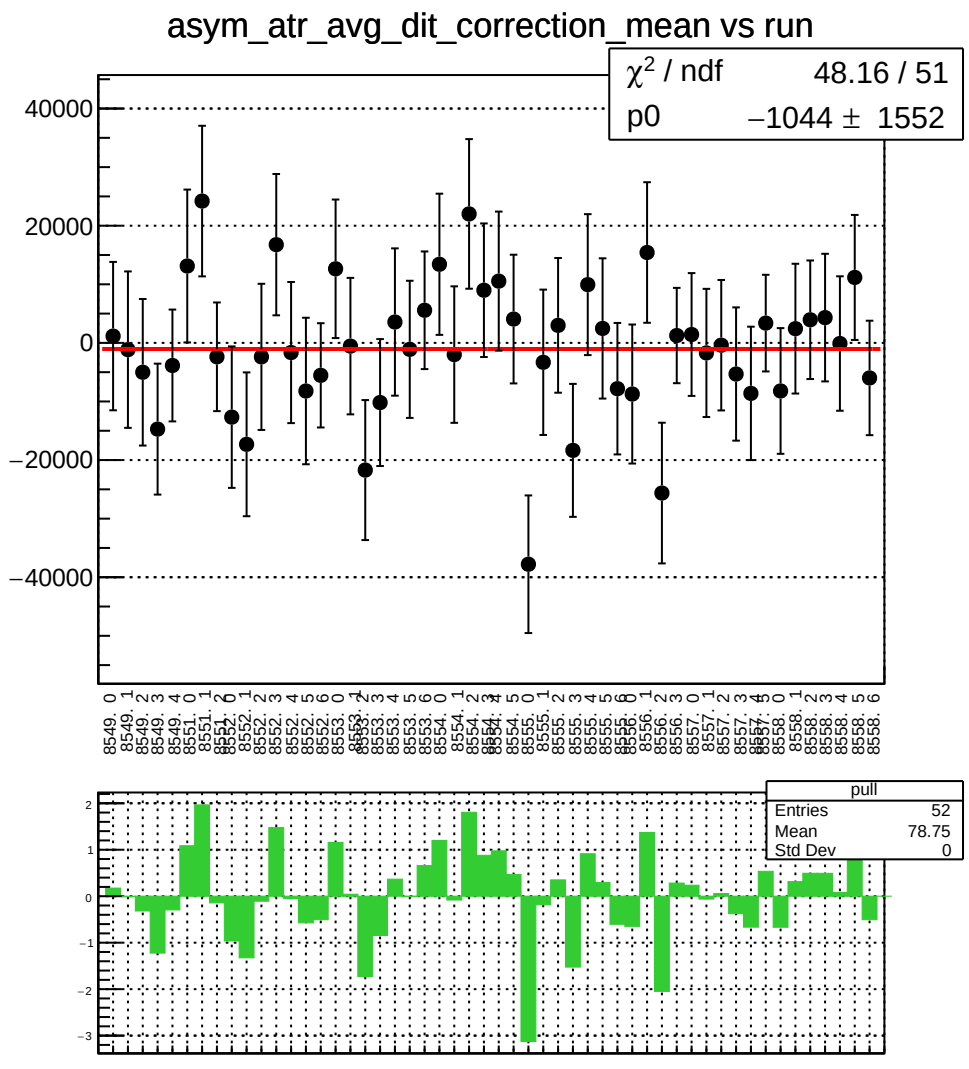
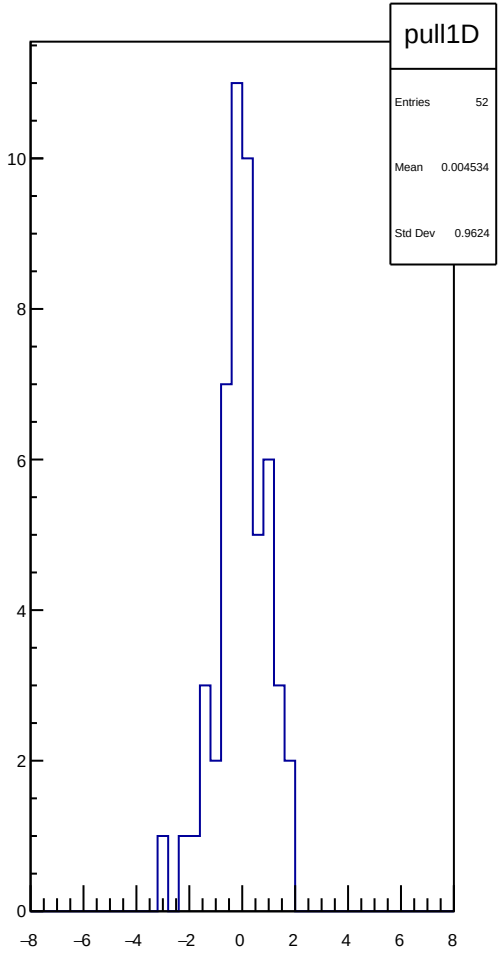
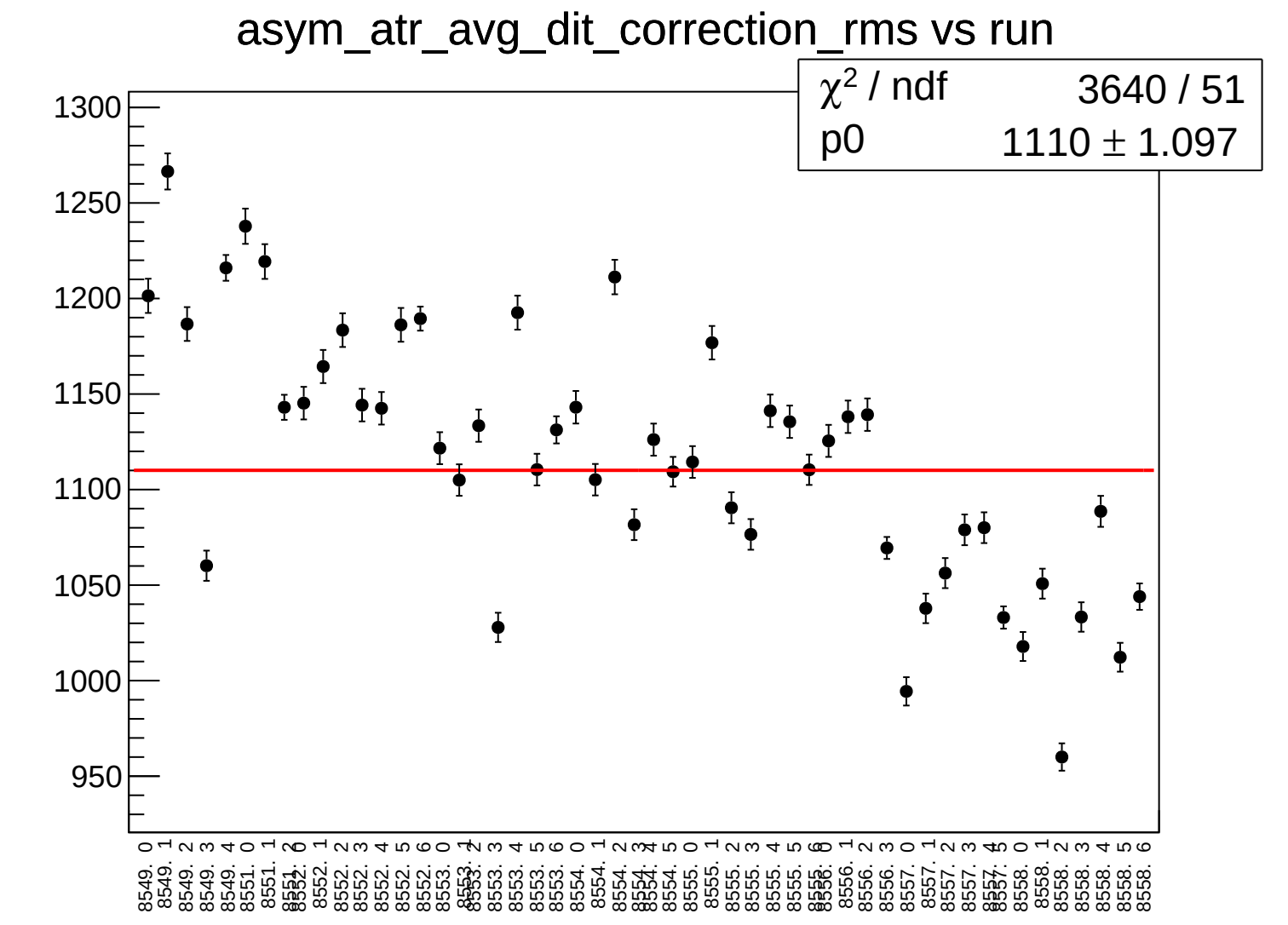
8558. 6


asym_atr_avg_dit_correction_mean vs run
χ² / ndf 48.16 / 51
p0 −1044 ± 1552
40000
20000
0
−20000
−40000
pull
Entries 52
Mean 78.75
Std Dev 0
2
1
0
−1
−2
−3


pull1D
Entries 52
Mean 0.004534
Std Dev 0.9624
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


asym_atr_avg_dit_correction_rms vs run
χ² / ndf 3640 / 51
p0 1110 ± 1.097
1300
1250
1200
1150
1100
1050
1000
950
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
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8557. 3
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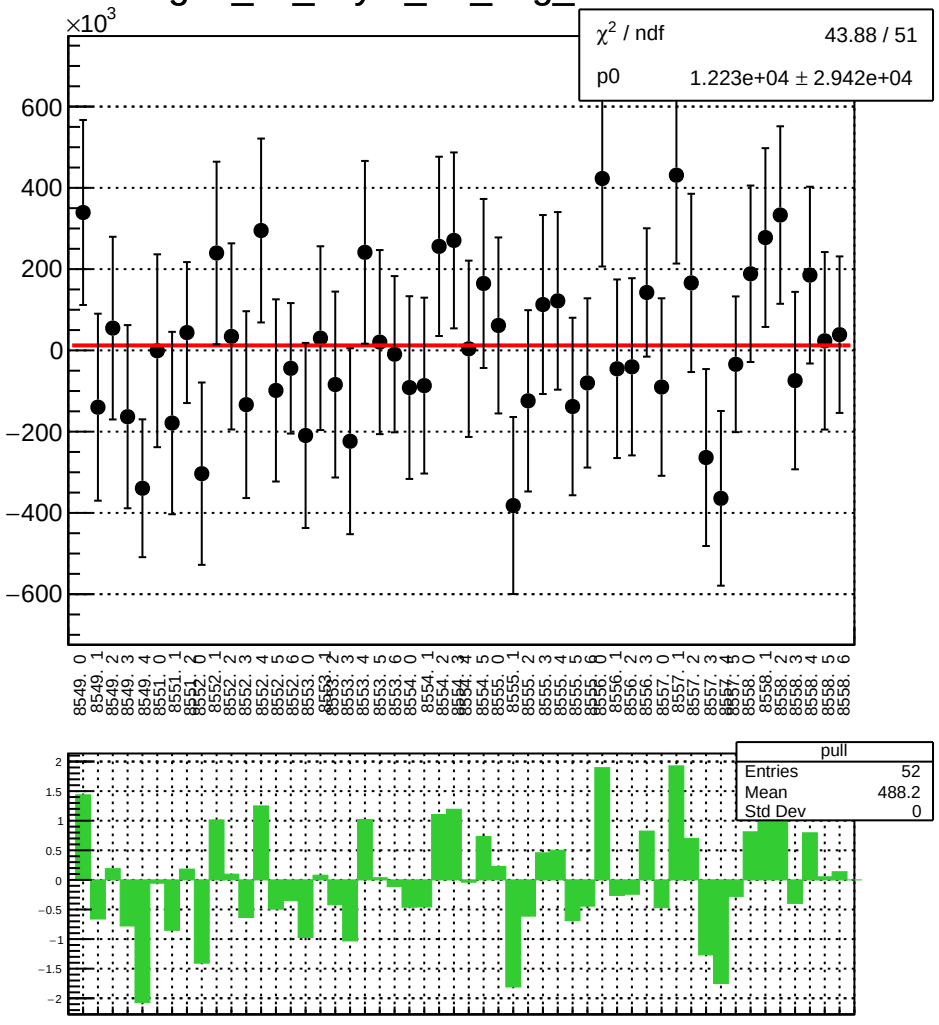
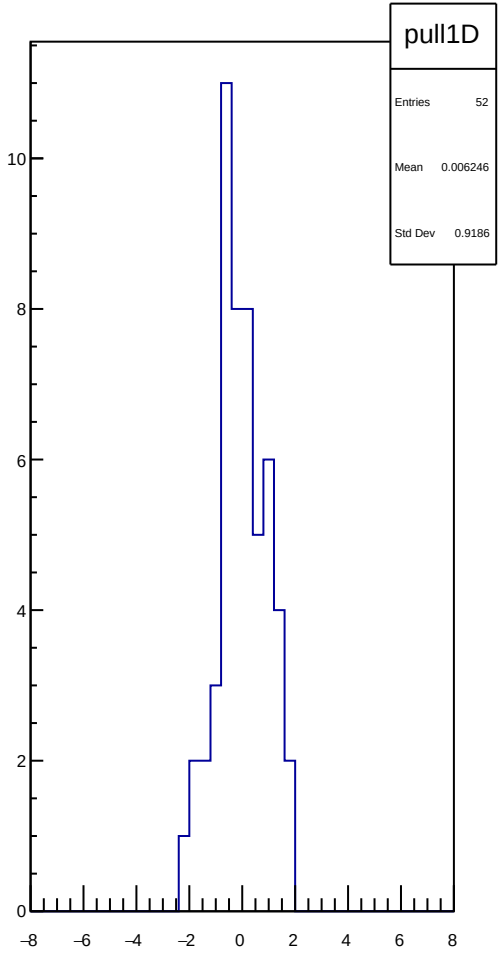
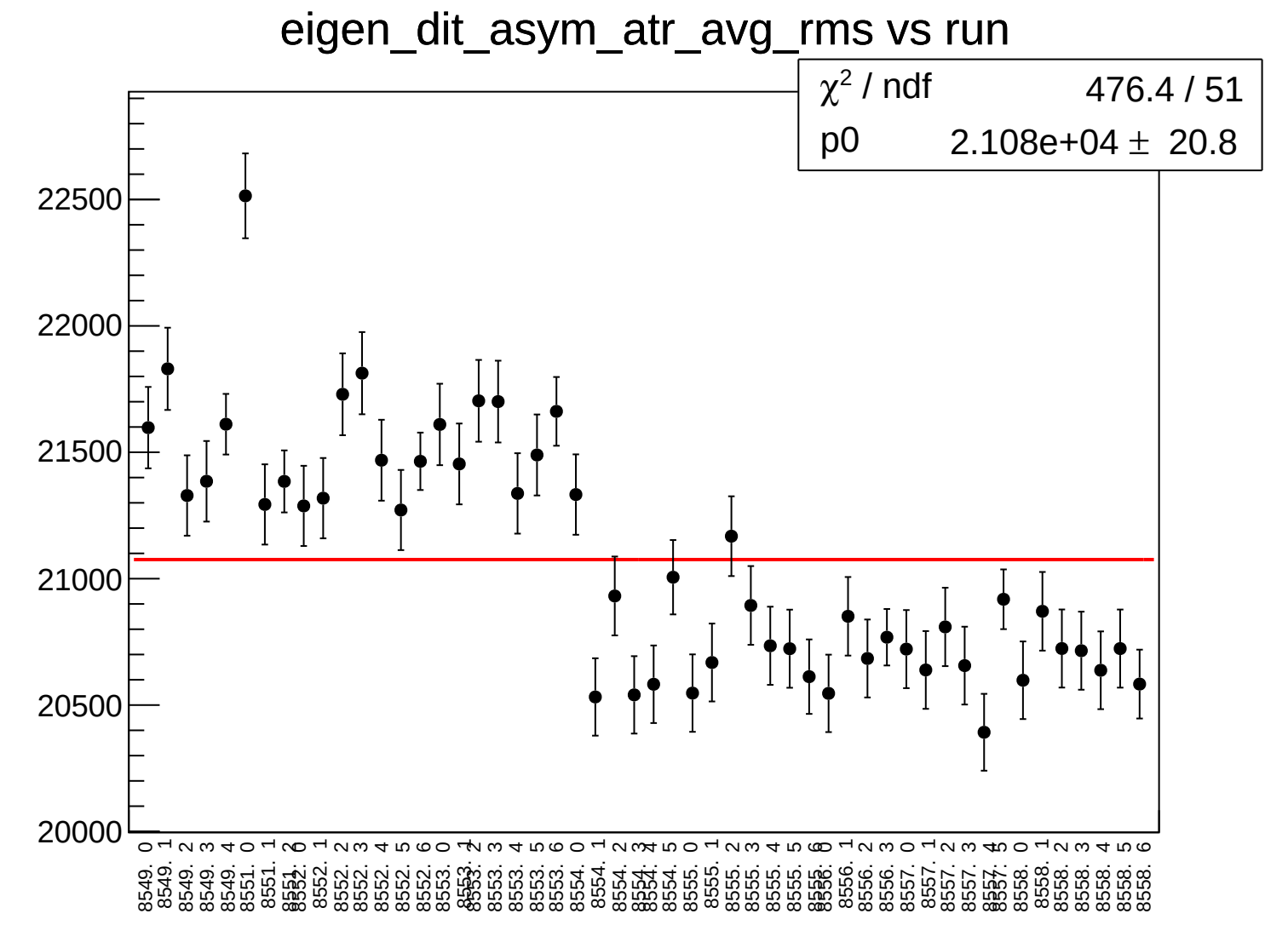
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6


eigen_dit_asym_atr_avg_mean vs run
×10^3
χ² / ndf 43.88 / 51
p0 1.223e+04 ± 2.942e+04
600
400
200
0
−200
−400
−600
pull
Entries 52
Mean 488.2
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2


pull1D
Entries 52
Mean 0.006246
Std Dev 0.9186
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


eigen_dit_asym_atr_avg_rms vs run
χ² / ndf 476.4 / 51
p0 2.108e+04 ± 20.8
22500
22000
21500
21000
20500
20000
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
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8552. 5
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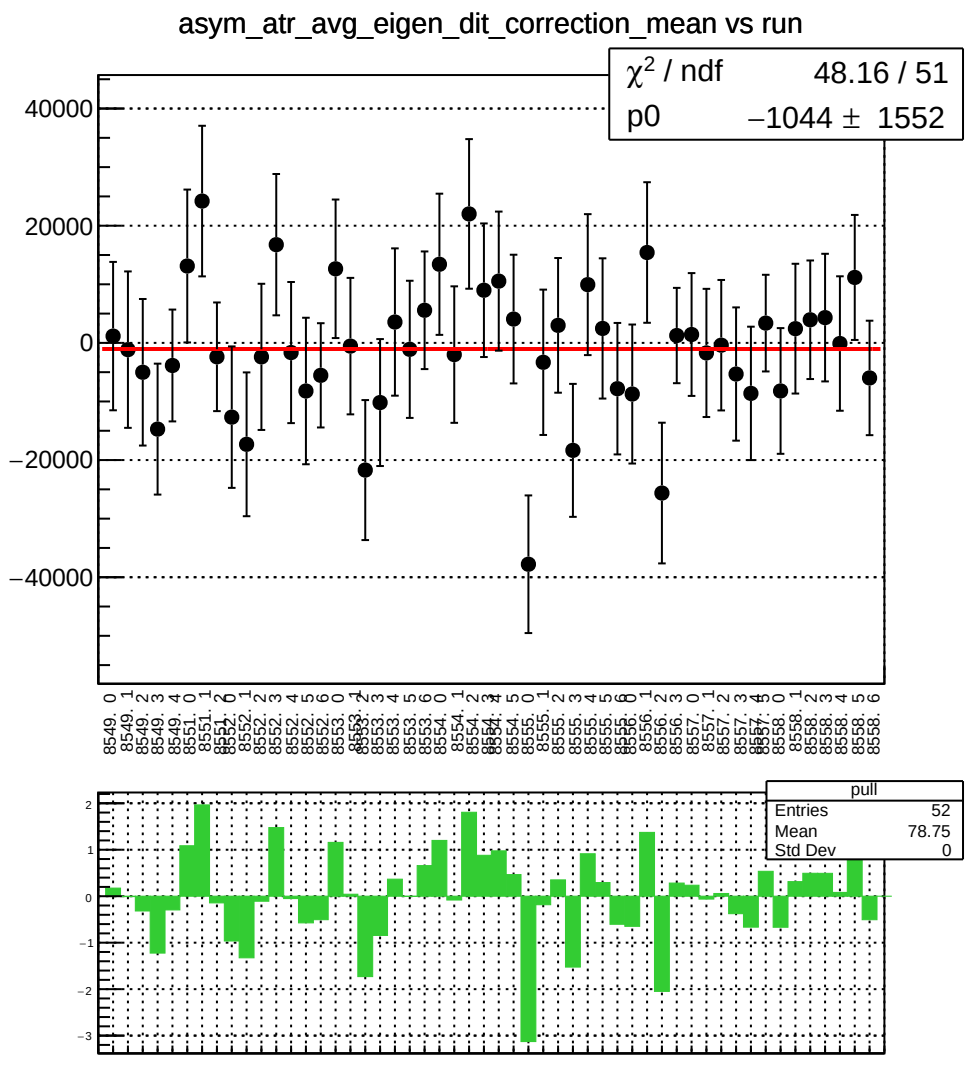
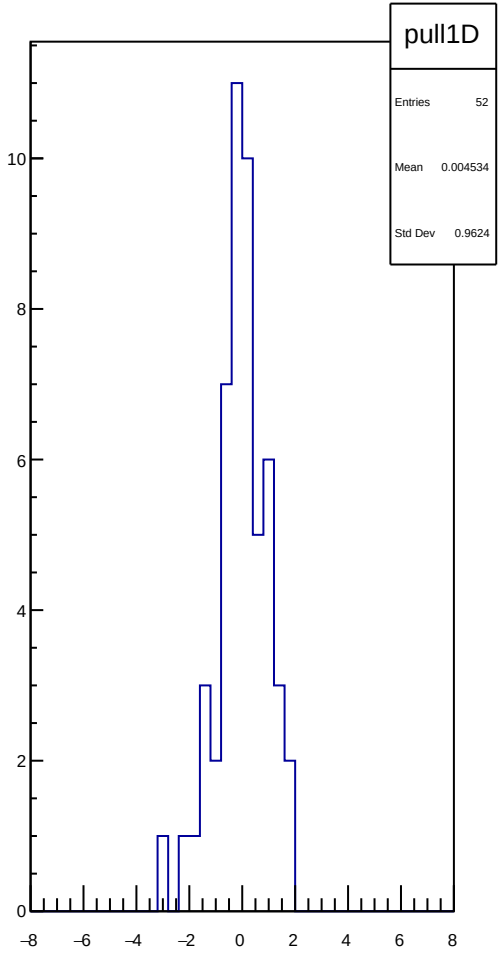
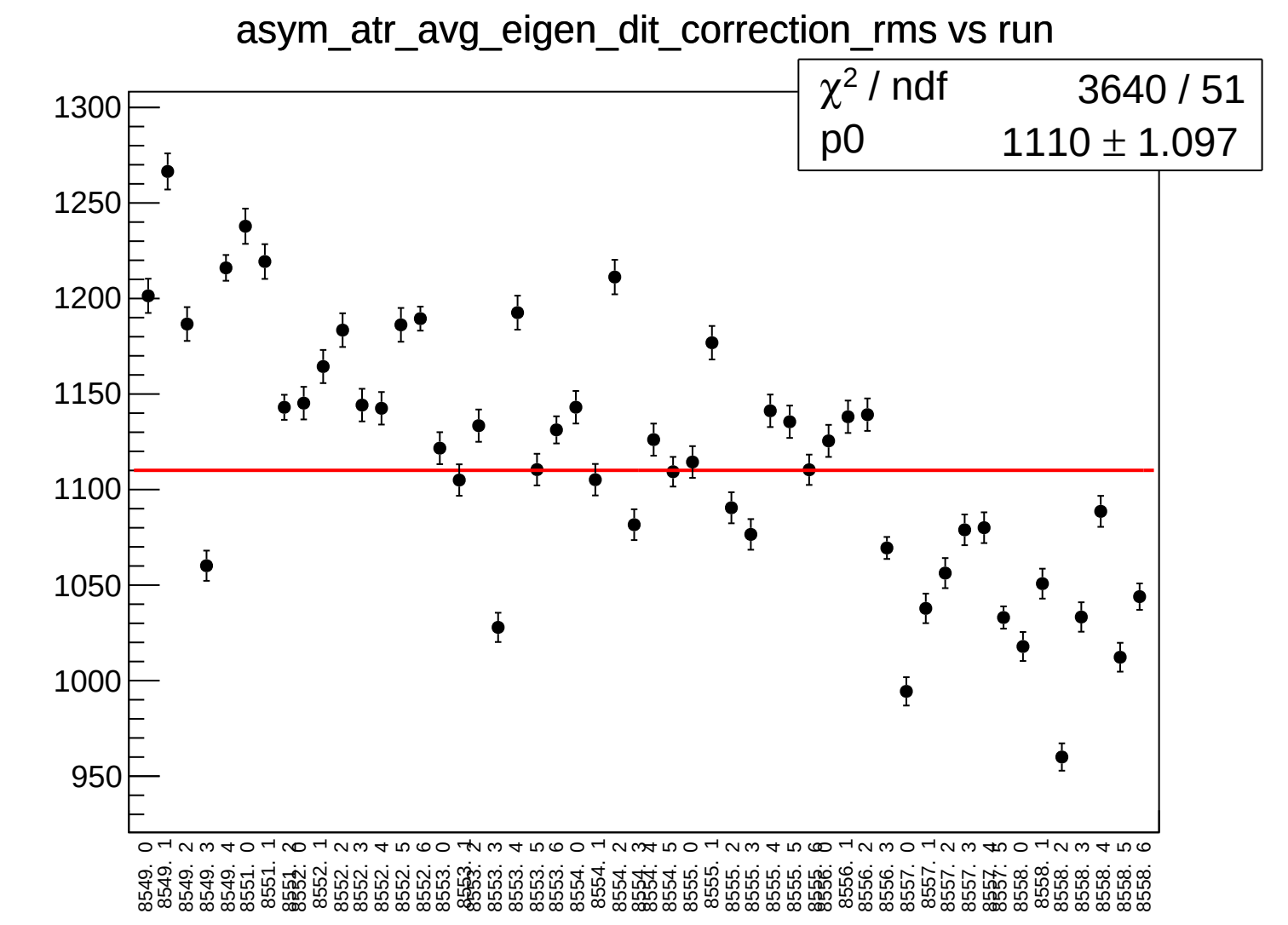
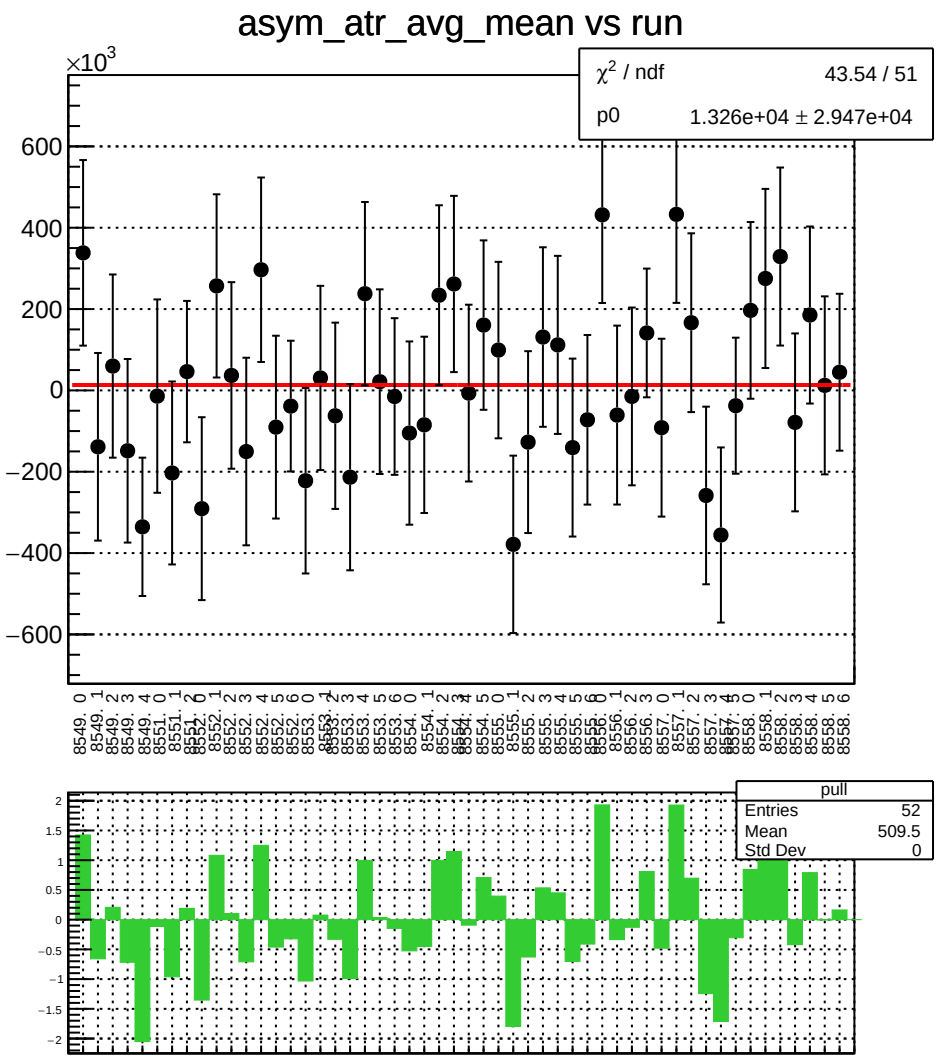
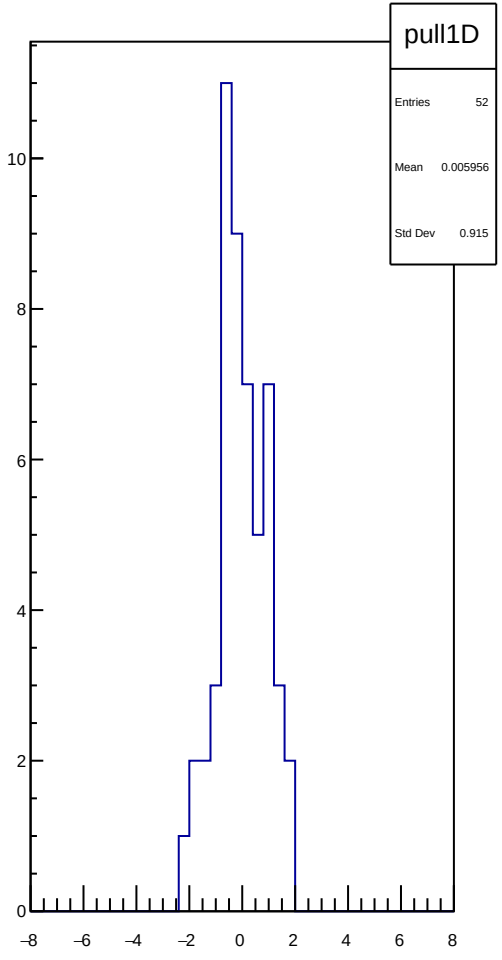
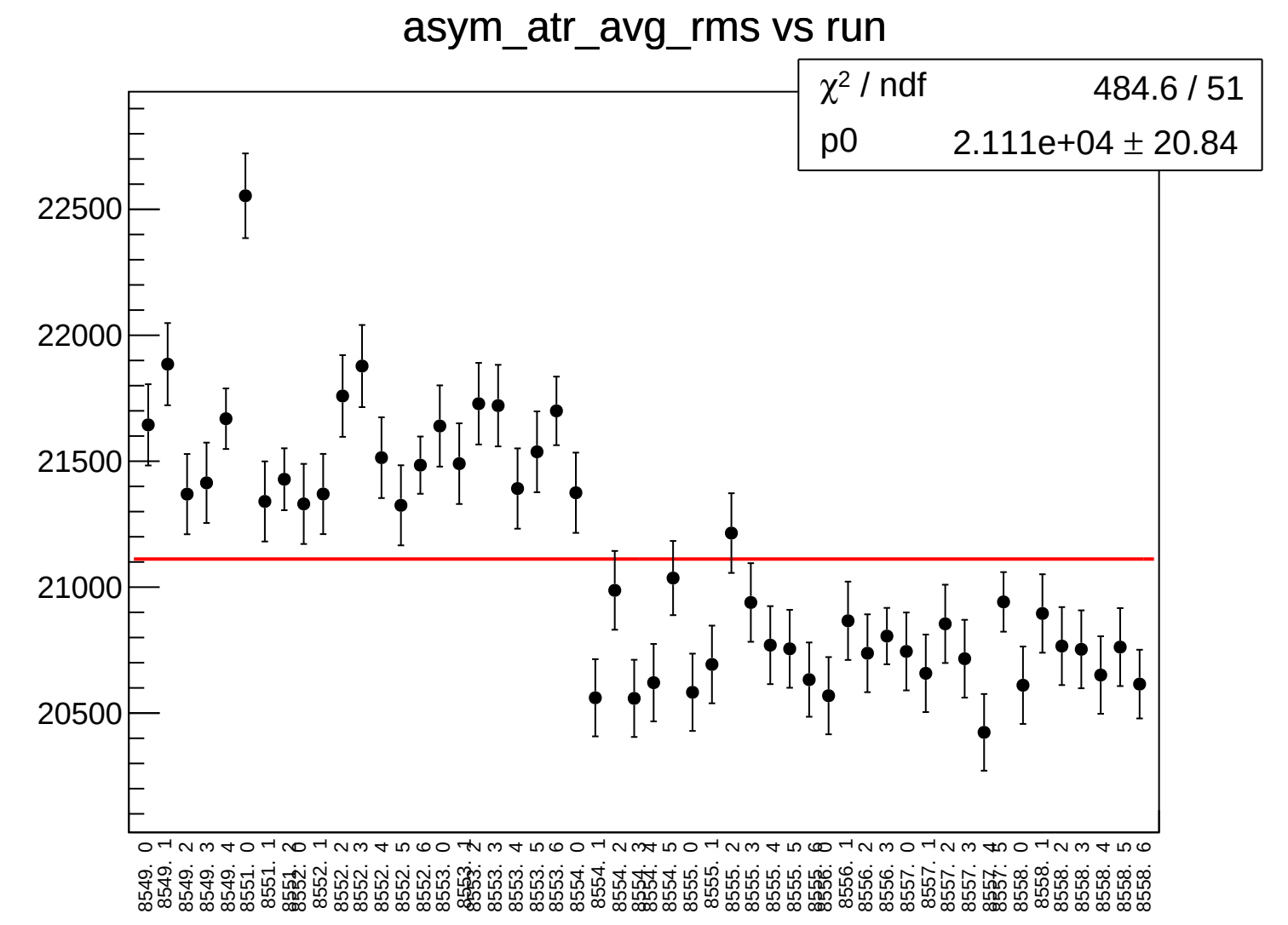

asym_atr_avg_eigen_dit_correction_mean vs run
χ² / ndf 48.16 / 51
p0 −1044 ± 1552
40000
20000
0
−20000
−40000
pull
Entries 52
Mean 78.75
Std Dev 0
2
1
0
−1
−2
−3

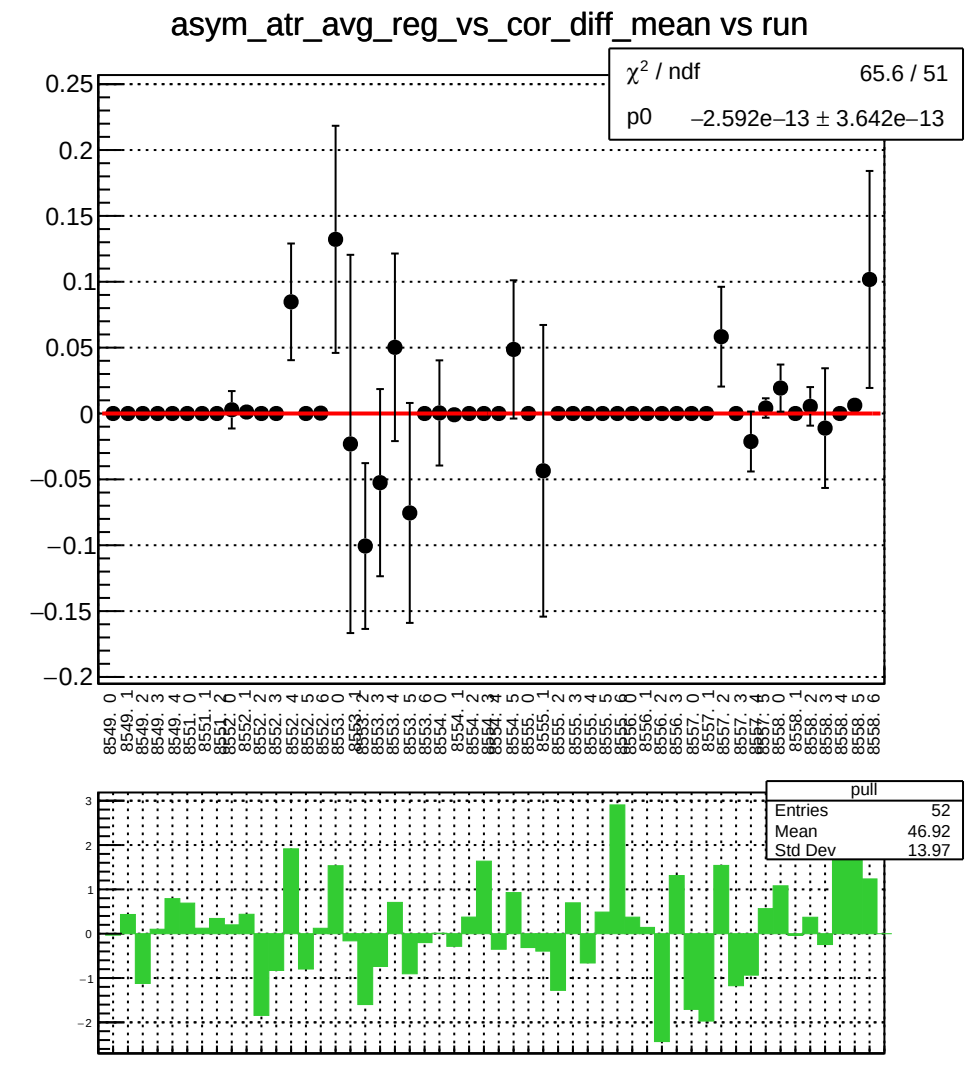

pull1D
Entries 52
Mean 0.004534
Std Dev 0.9624
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

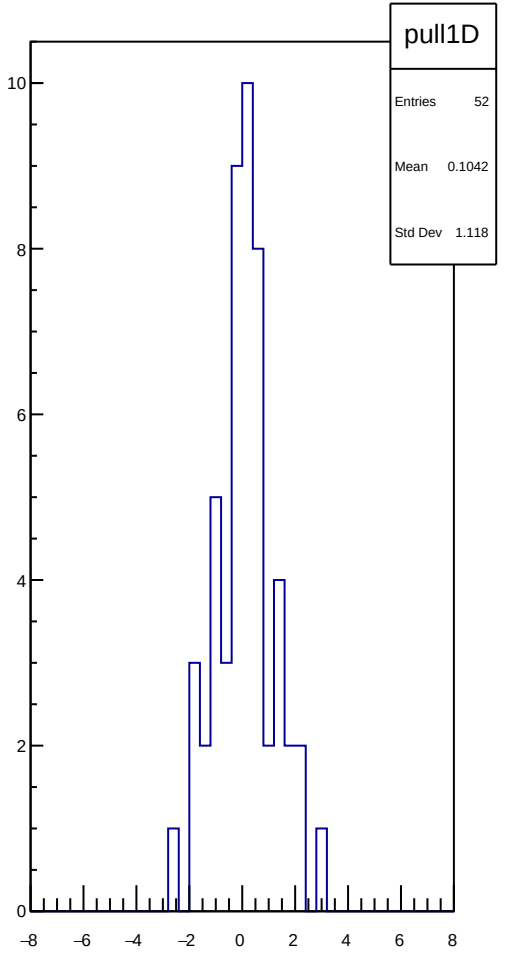

asym_atr_avg_eigen_dit_correction_rms vs run
χ² / ndf 3640 / 51
p0 1110 ± 1.097
1300
1250
1200
1150
1100
1050
1000
950
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

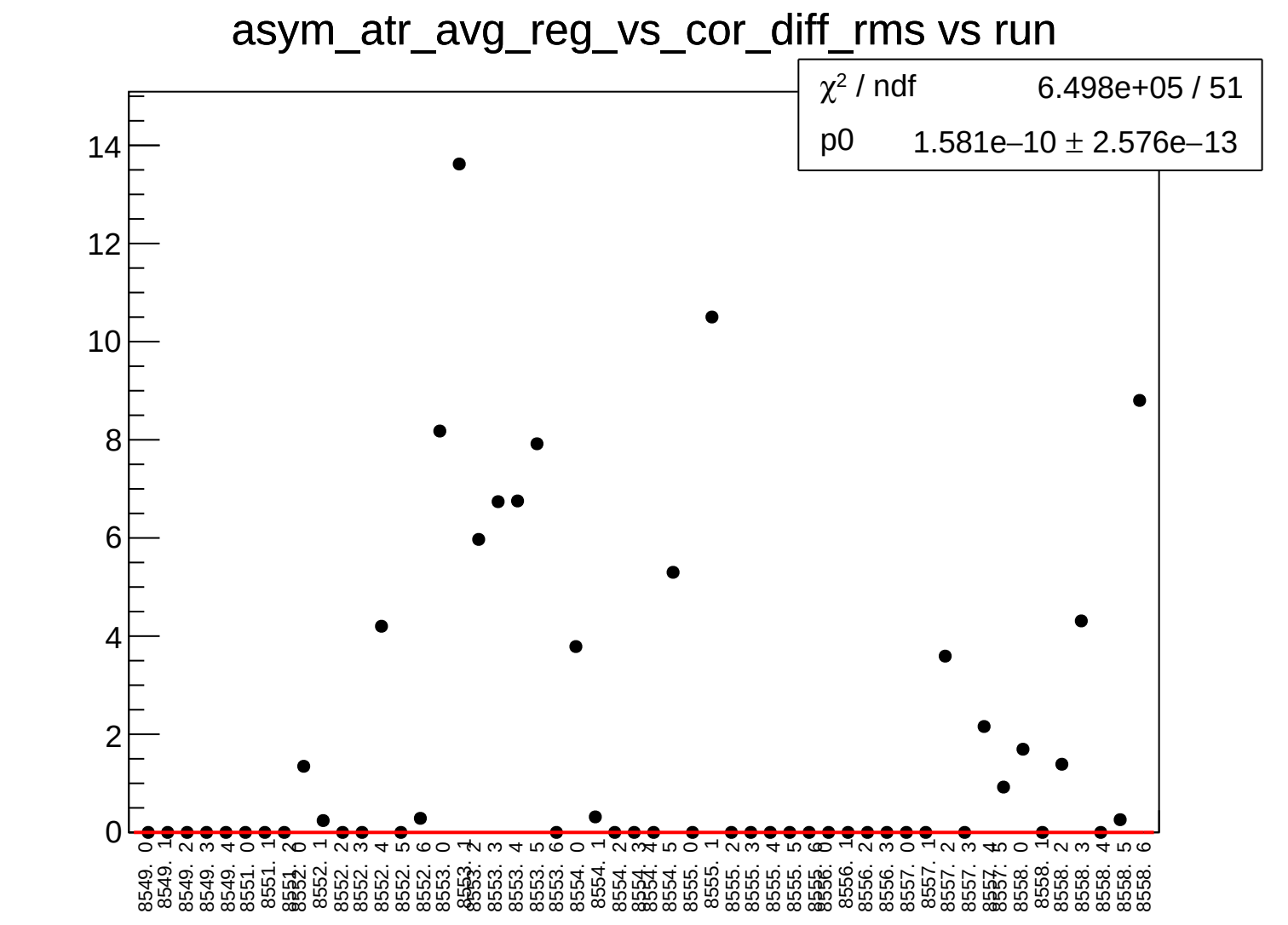

asym_atr_avg_mean vs run
×10^3
χ² / ndf 43.54 / 51
p0 1.326e+04 ± 2.947e+04
600
400
200
0
−200
−400
−600
pull
Entries 52
Mean 509.5
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

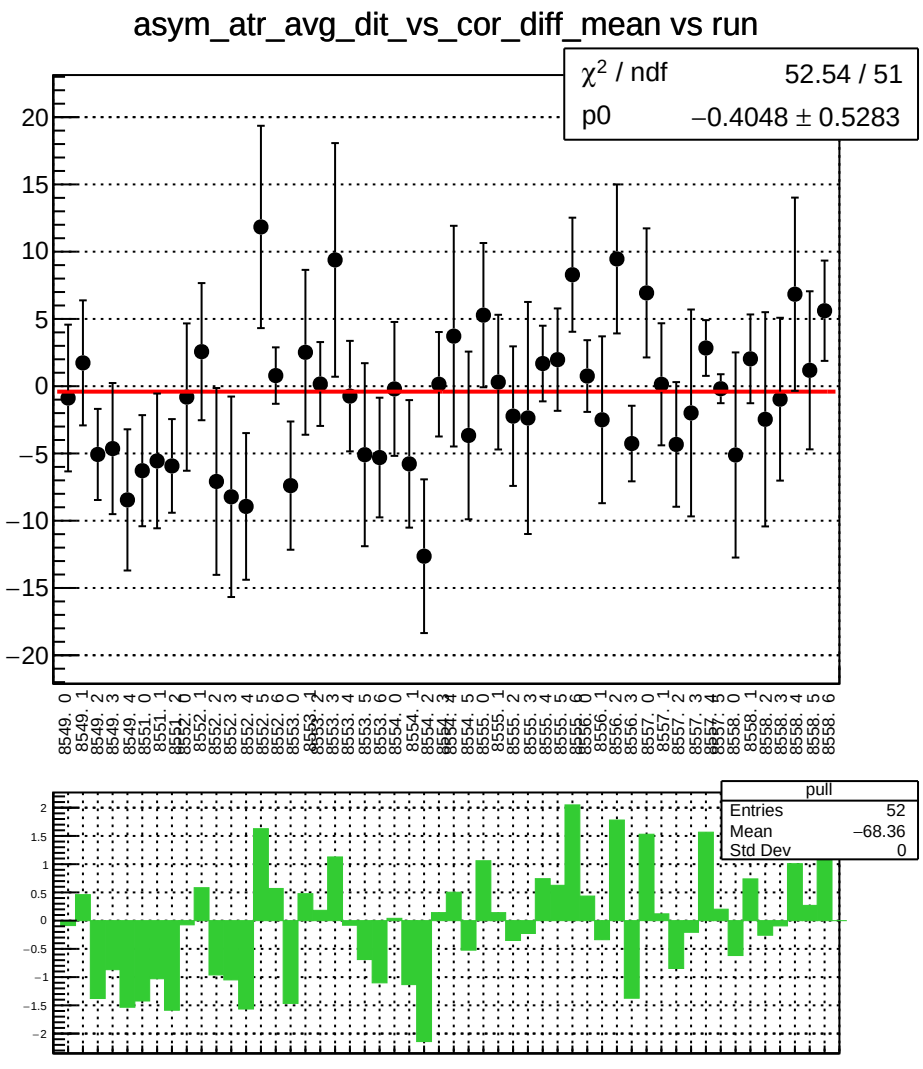

pull1D
Entries 52
Mean 0.005956
Std Dev 0.915
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

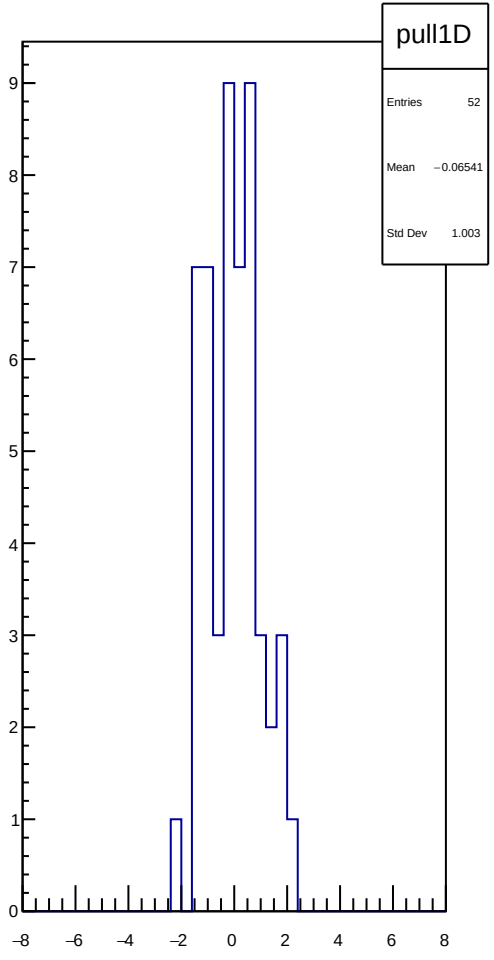

asym_atr_avg_rms vs run
χ² / ndf 484.6 / 51
p0 2.111e+04 ± 20.84
22500
22000
21500
21000
20500
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

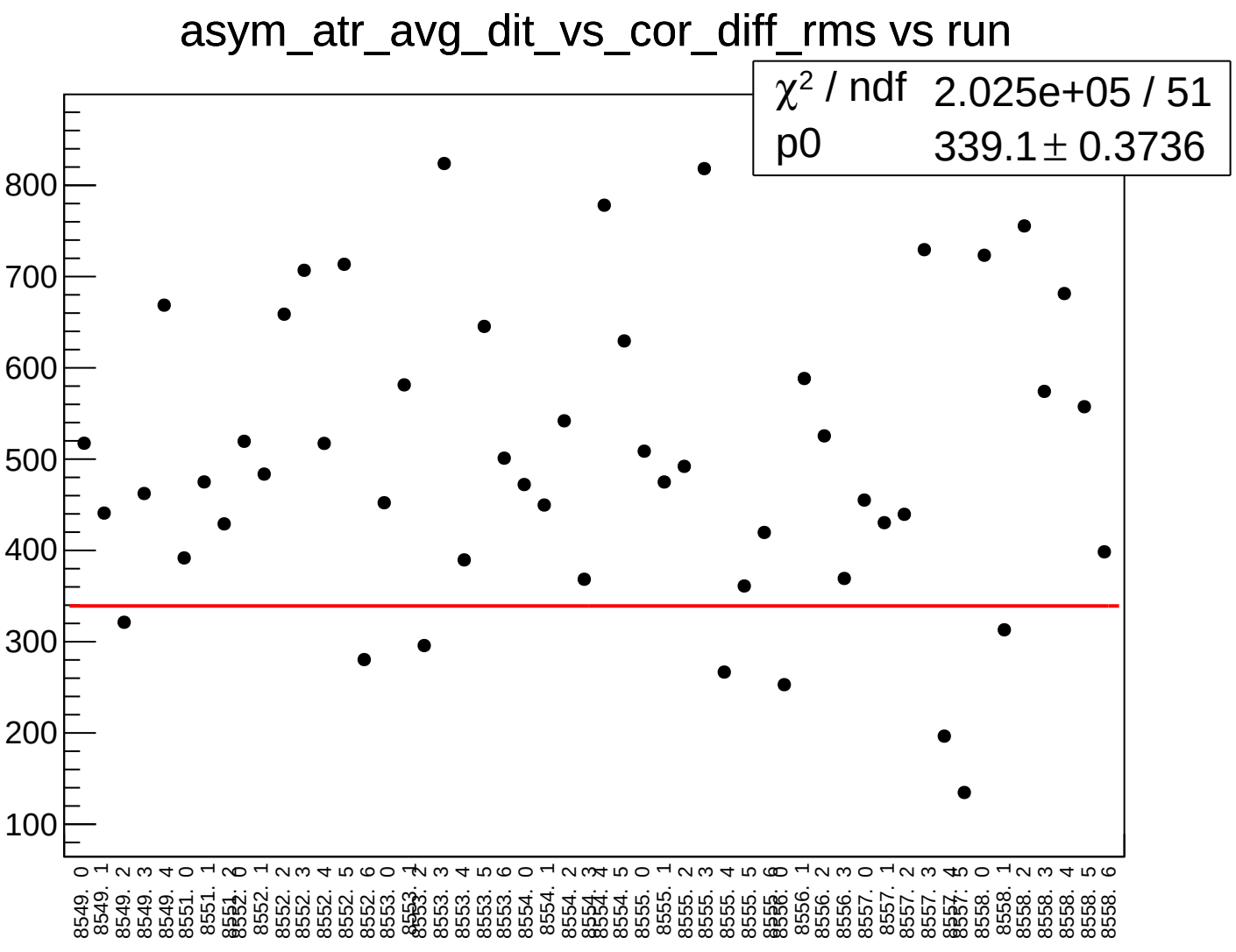

asym_atr_avg_reg_vs_cor_diff_mean vs run
χ² / ndf 65.6 / 51
p0 −2.592e−13 ± 3.642e−13
pull
Entries 52
Mean 46.92
Std Dev 13.97


pull1D
Entries 52
Mean 0.1042
Std Dev 1.118


asym_atr_avg_reg_vs_cor_diff_rms vs run
χ² / ndf 6.498e+05 / 51
p0 1.581e−10 ± 2.576e−13
0
2
4
6
8
10
12
14
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8551. 2
8552. 0
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 1
8553. 2
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 3
8554. 4
8554. 5
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8555. 6
8556. 0
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8557. 4
8557. 5
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6


asym_atr_avg_dit_vs_cor_diff_mean vs run
χ² / ndf 52.54 / 51
p0 −0.4048 ± 0.5283
pull
Entries 52
Mean −68.36
Std Dev 0


pull1D
Entries 52
Mean −0.06541
Std Dev 1.003


asym_atr_avg_dit_vs_cor_diff_rms vs run
χ² / ndf 2.025e+05 / 51
p0 339.1 ± 0.3736
800
700
600
500
400
300
200
100
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
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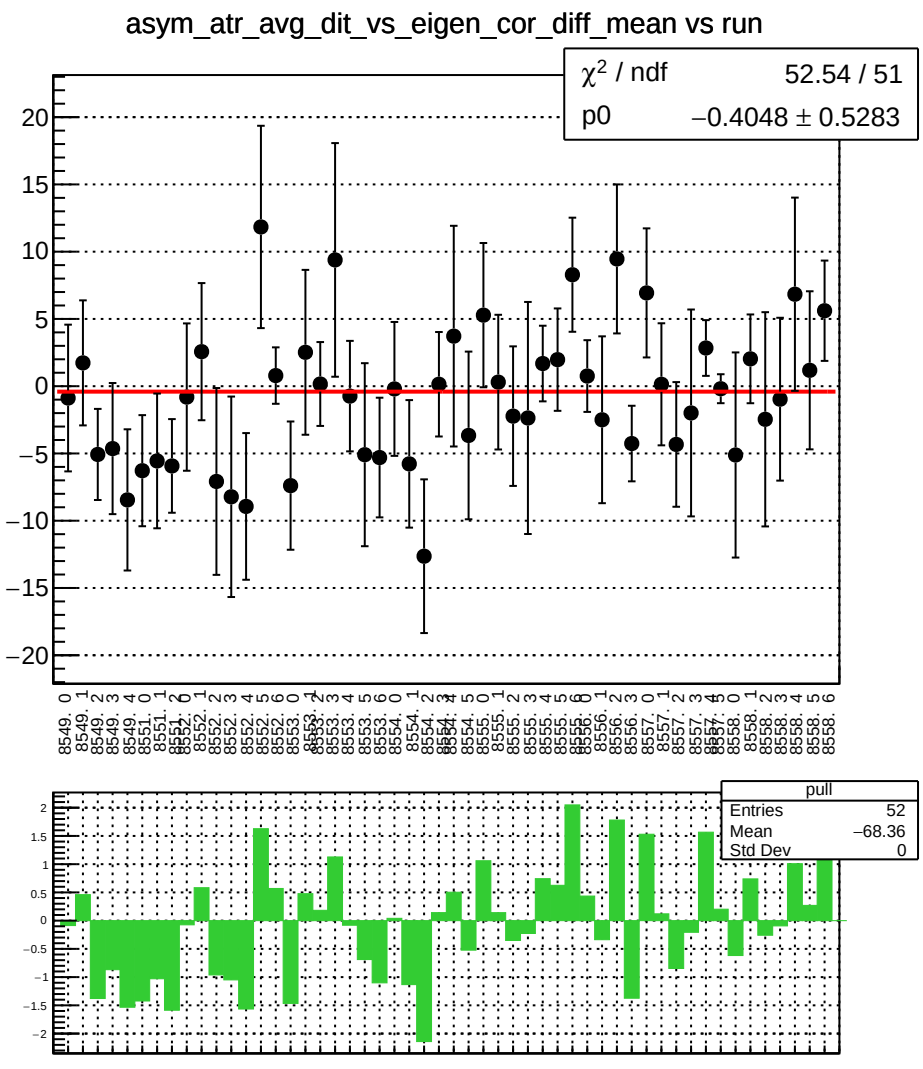
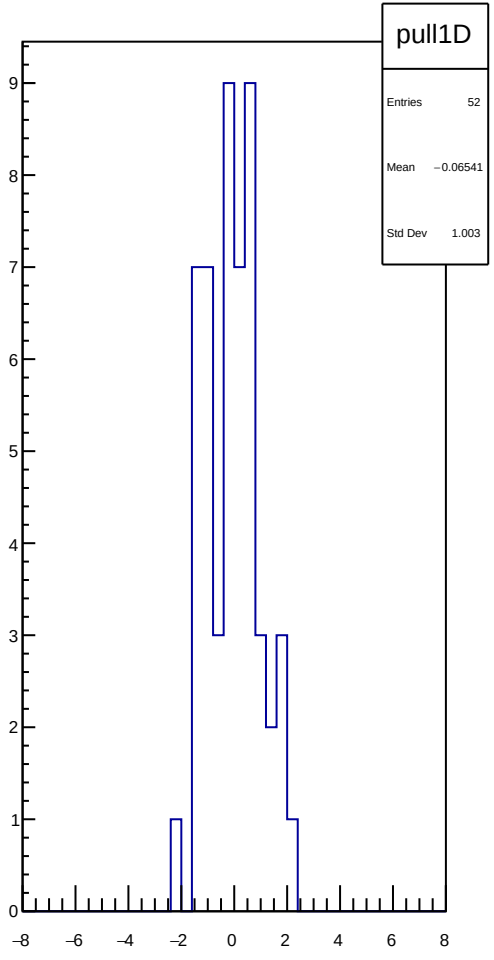
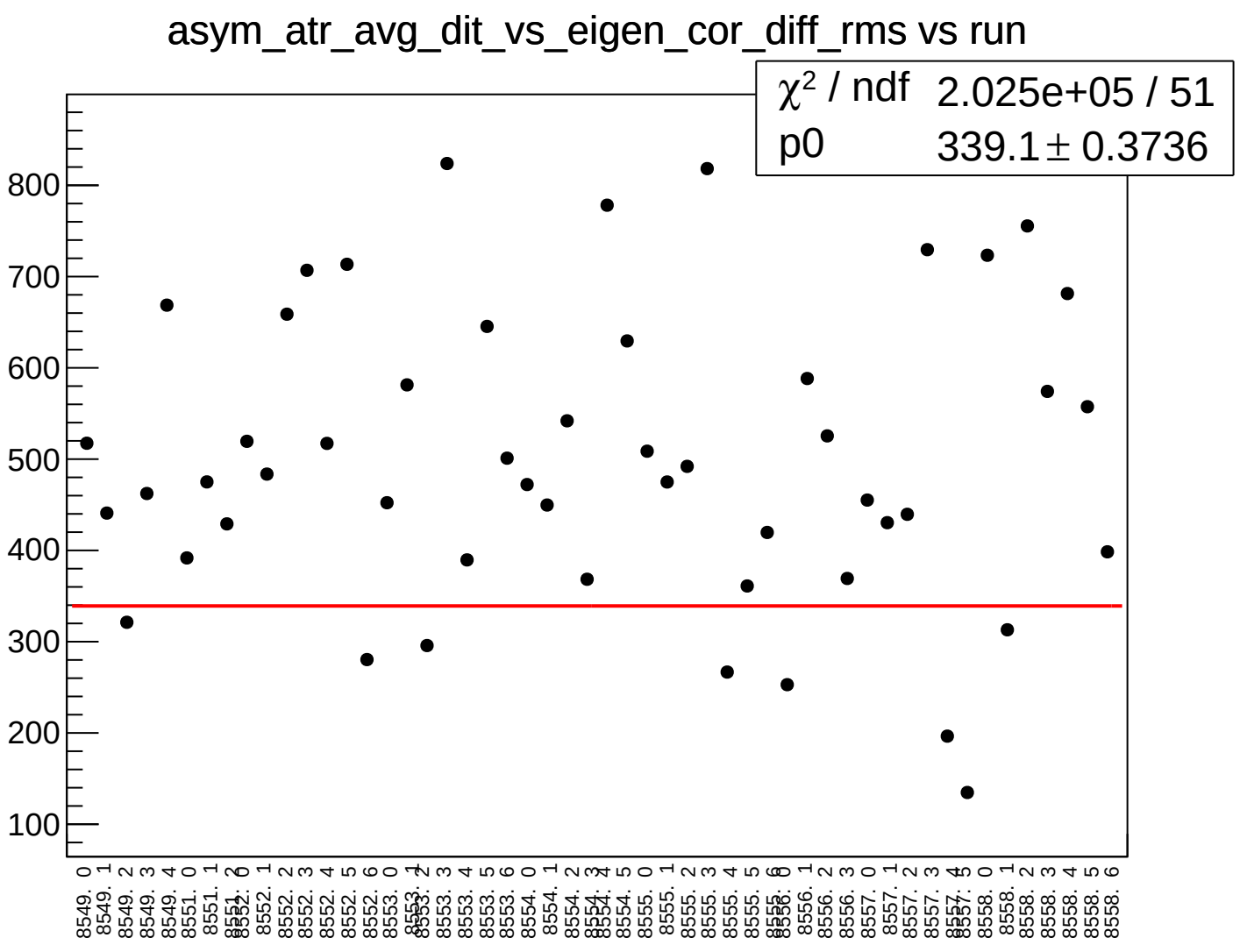
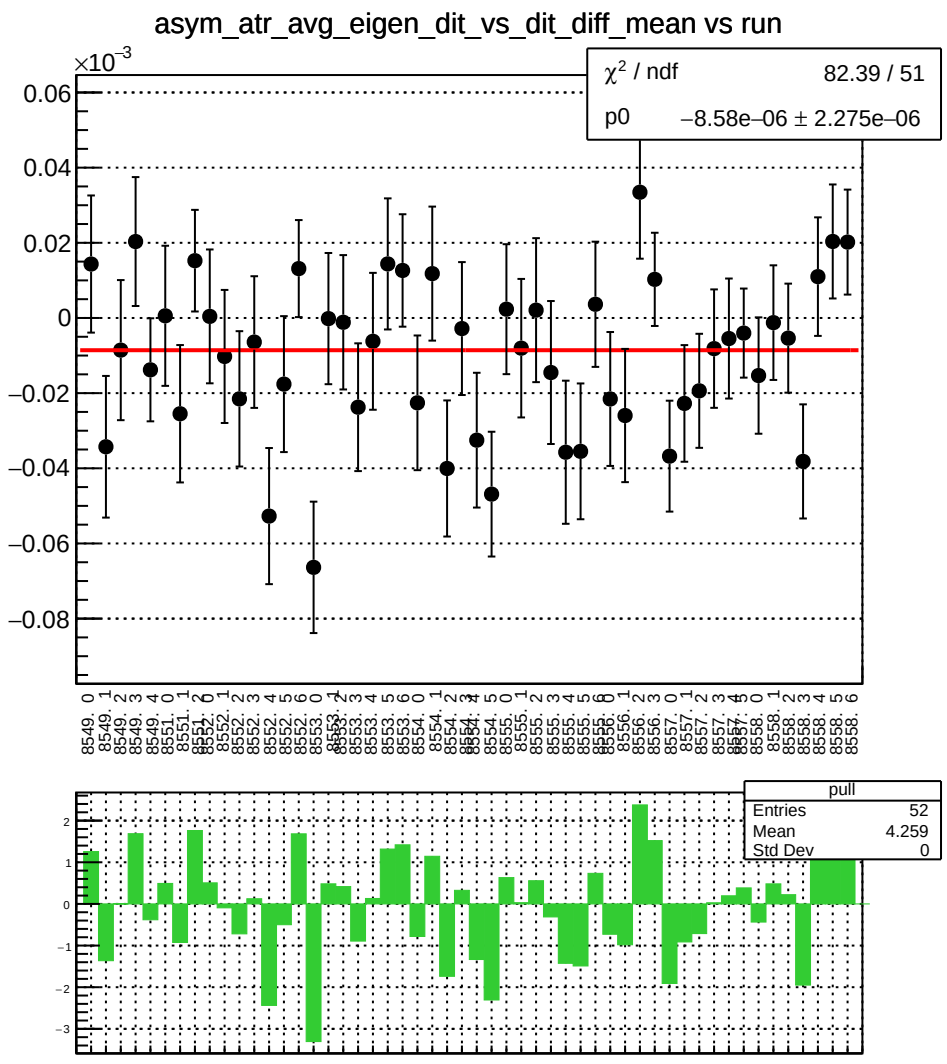
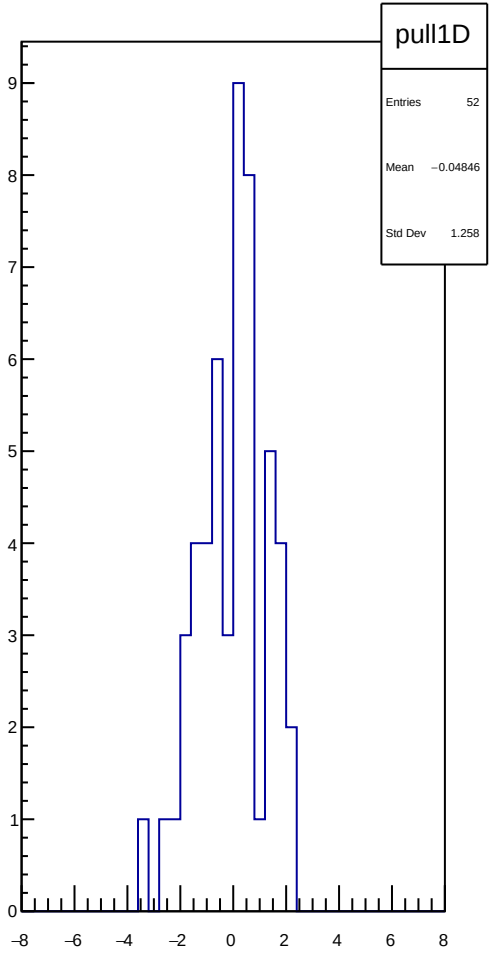
8558. 3
8558. 4
8558. 5
8558. 6

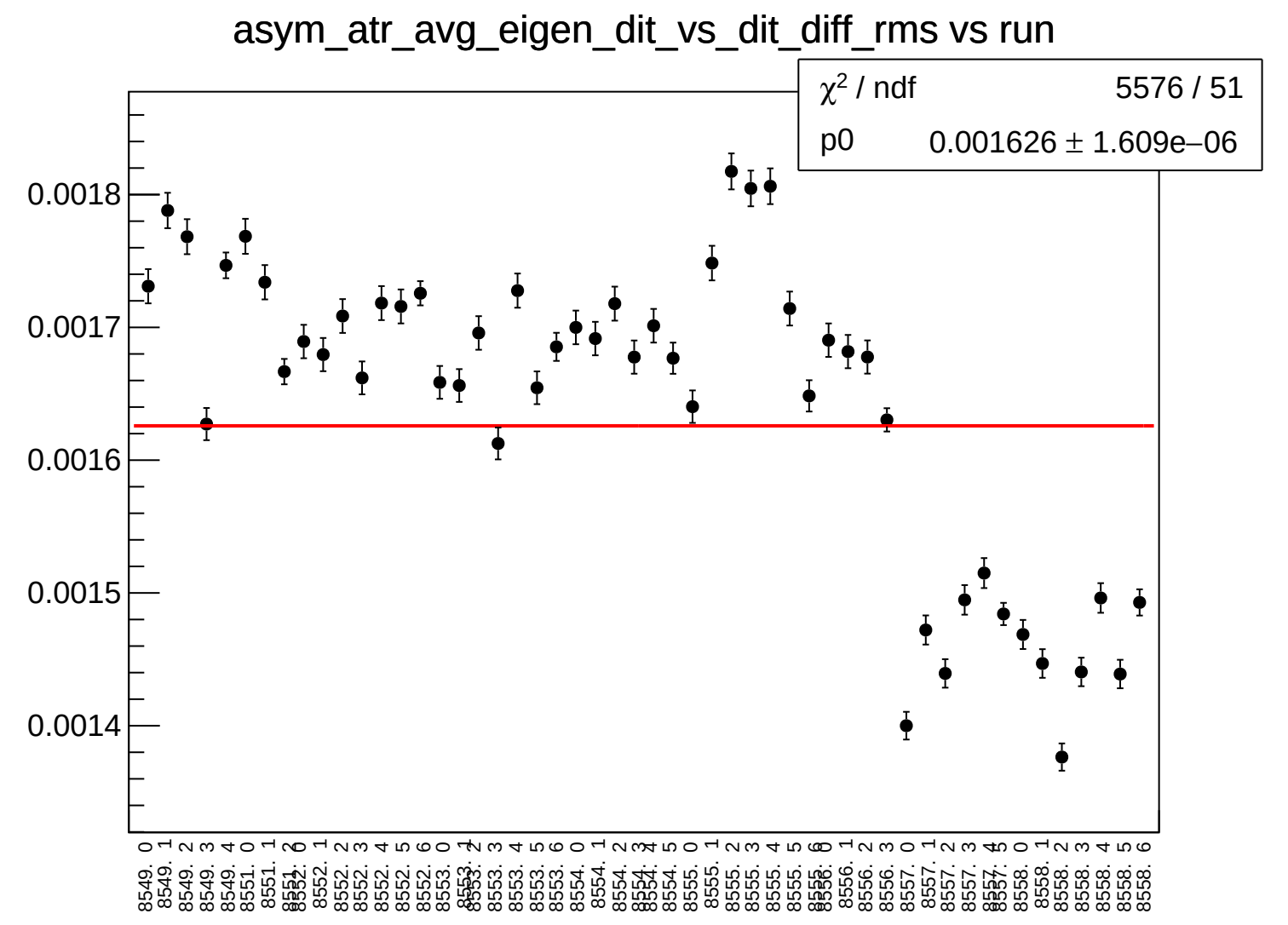

asym_atr_avg_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 52.54 / 51
p0 −0.4048 ± 0.5283
pull
Entries 52
Mean −68.36
Std Dev 0

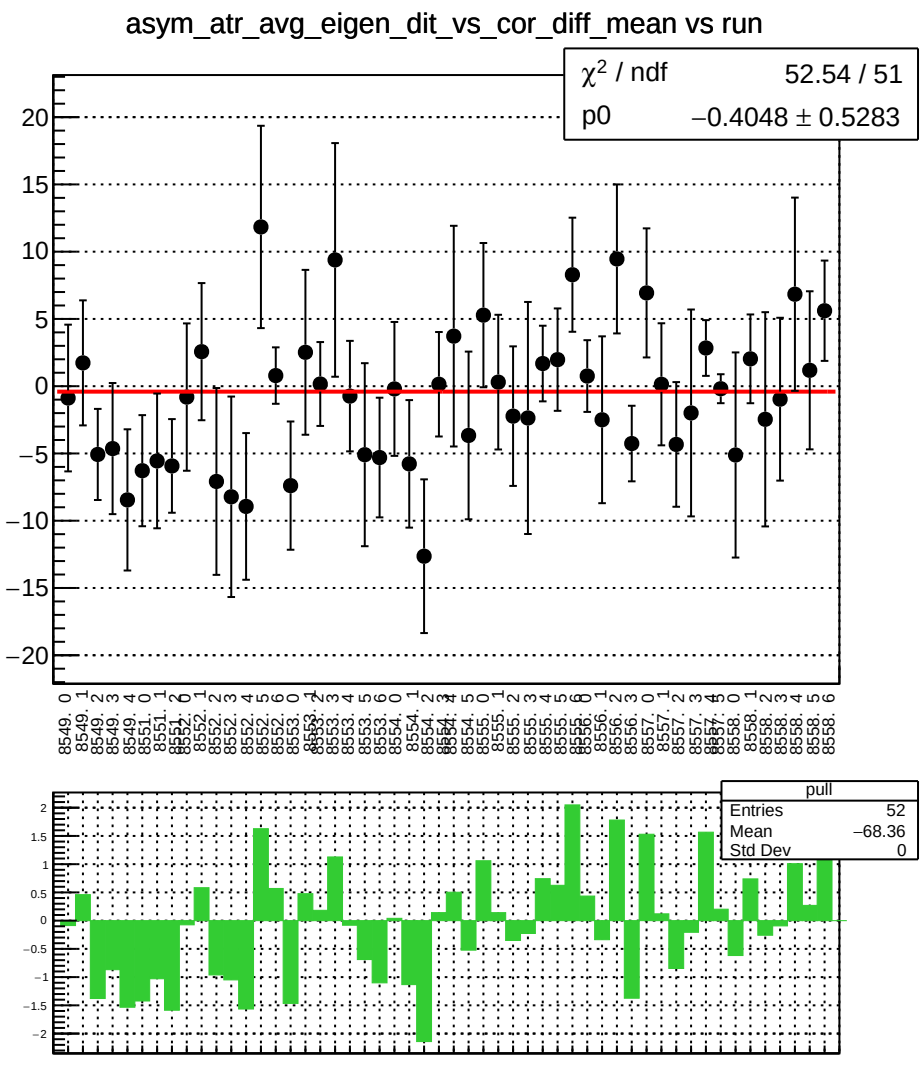

pull1D
Entries 52
Mean −0.06541
Std Dev 1.003

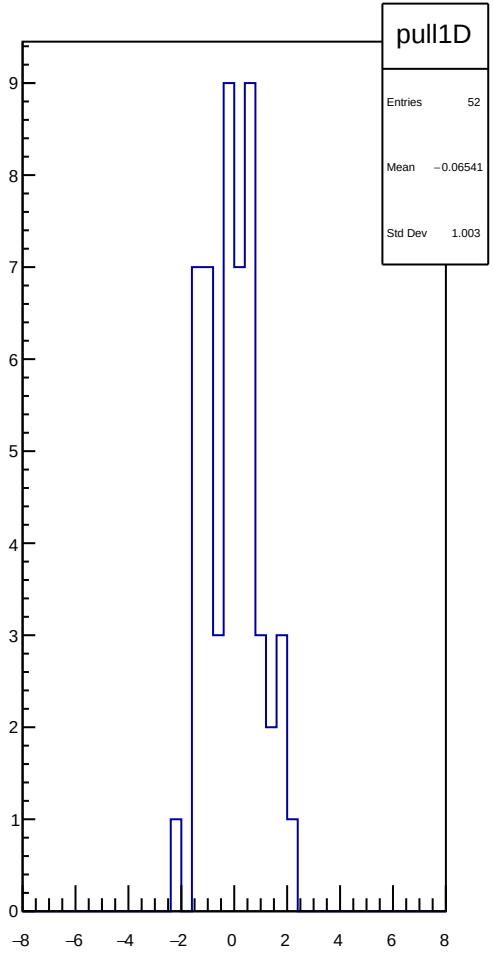

asym_atr_avg_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 2.025e+05 / 51
p0 339.1 ± 0.3736
800
700
600
500
400
300
200
100
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 5
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

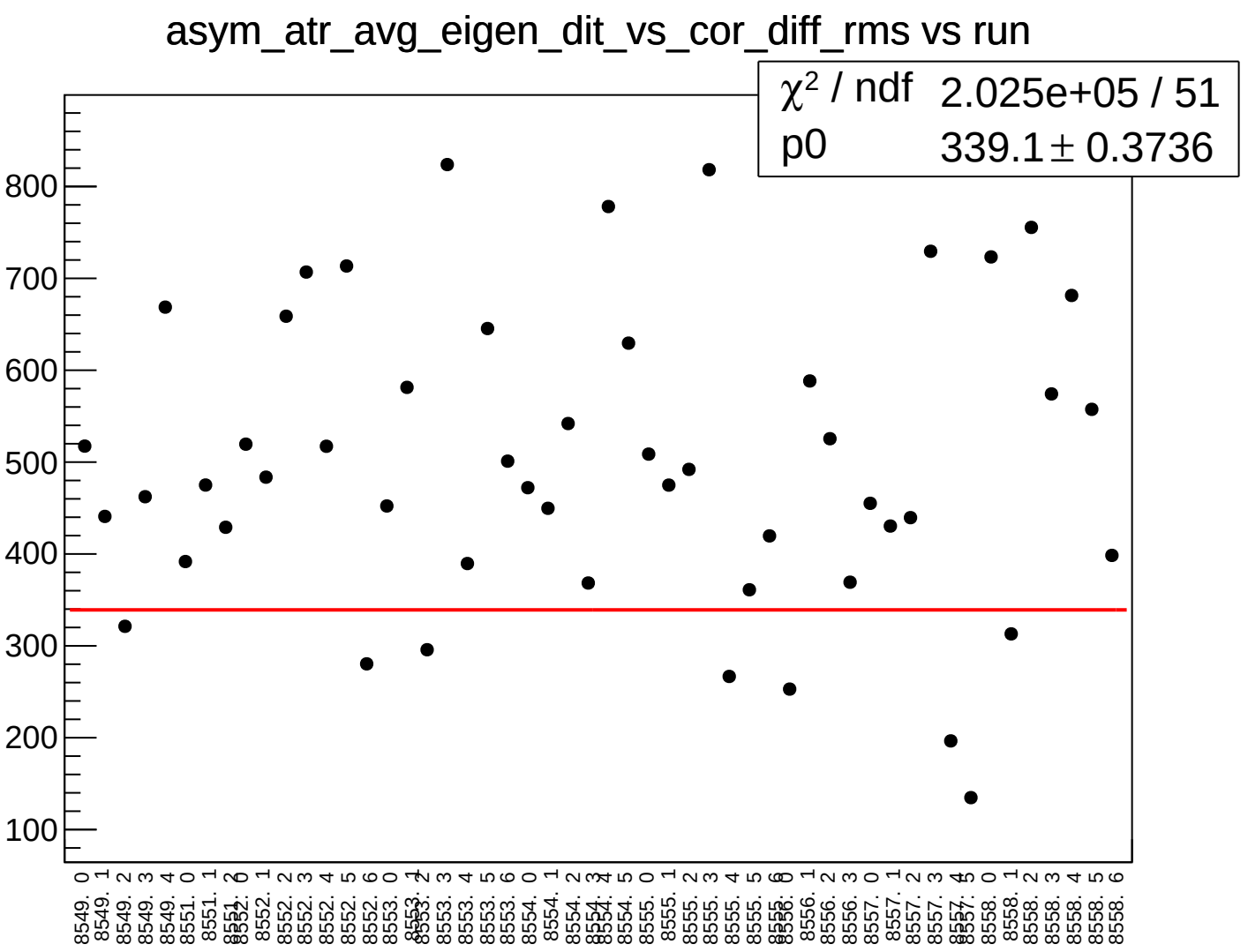

asym_atr_avg_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 82.39 / 51
p0 −8.58e−06 ± 2.275e−06
pull
Entries 52
Mean 4.259
Std Dev 0

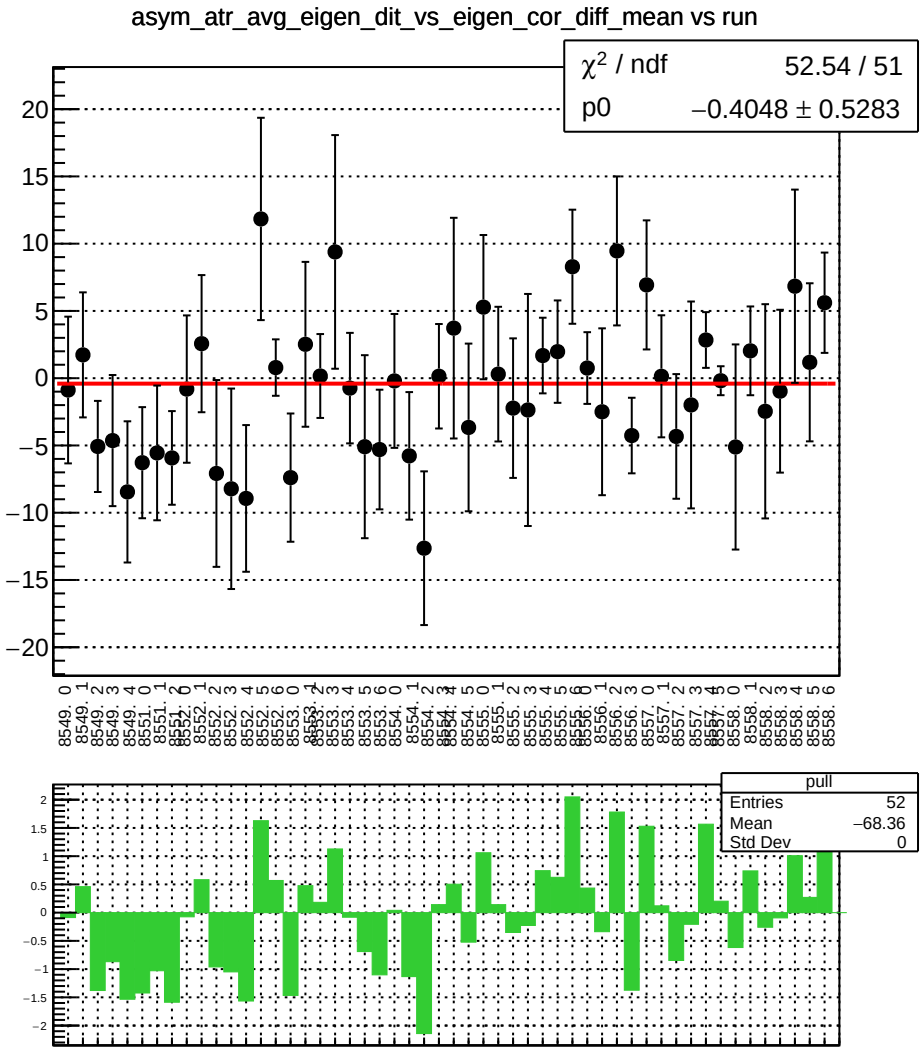

pull1D
Entries 52
Mean −0.04846
Std Dev 1.258

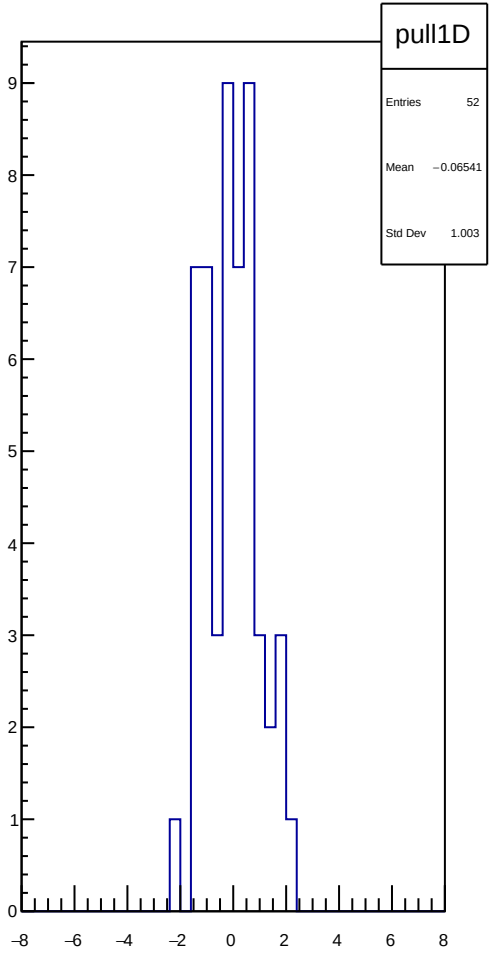

asym_atr_avg_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 5576 / 51
p0 0.001626 ± 1.609e−06
0.0018
0.0017
0.0016
0.0015
0.0014
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

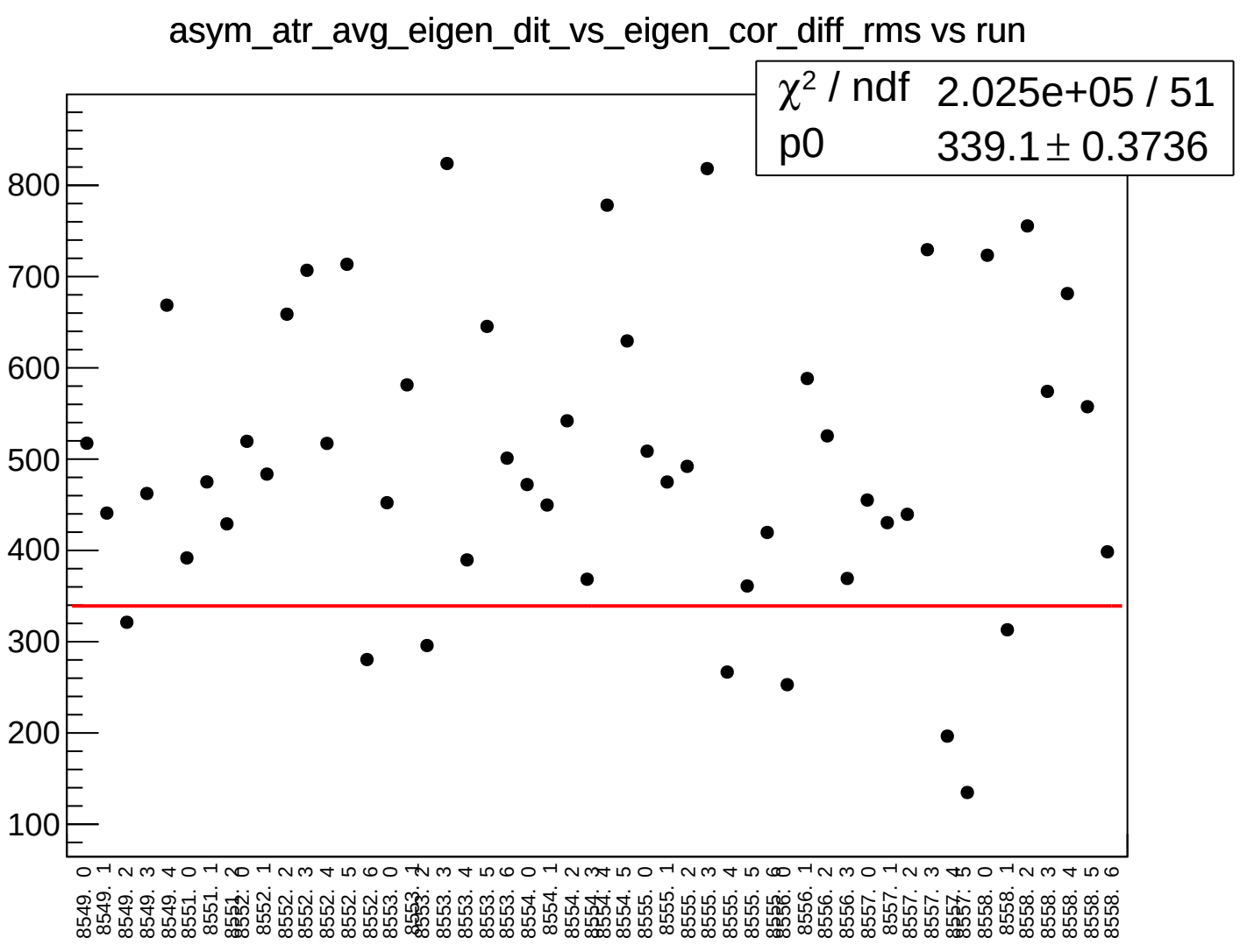

asym_atr_avg_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 52.54 / 51
p0 −0.4048 ± 0.5283
pull
Entries 52
Mean −68.36
Std Dev 0

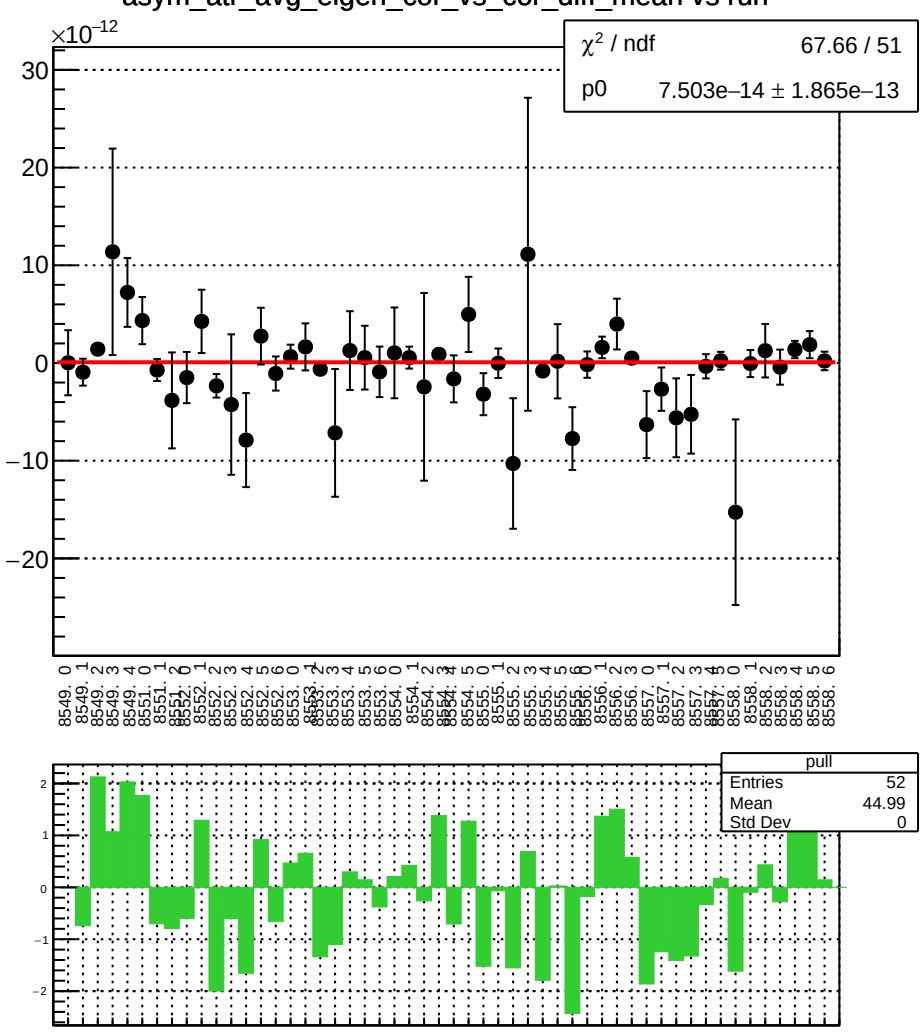

pull1D
Entries 52
Mean −0.06541
Std Dev 1.003

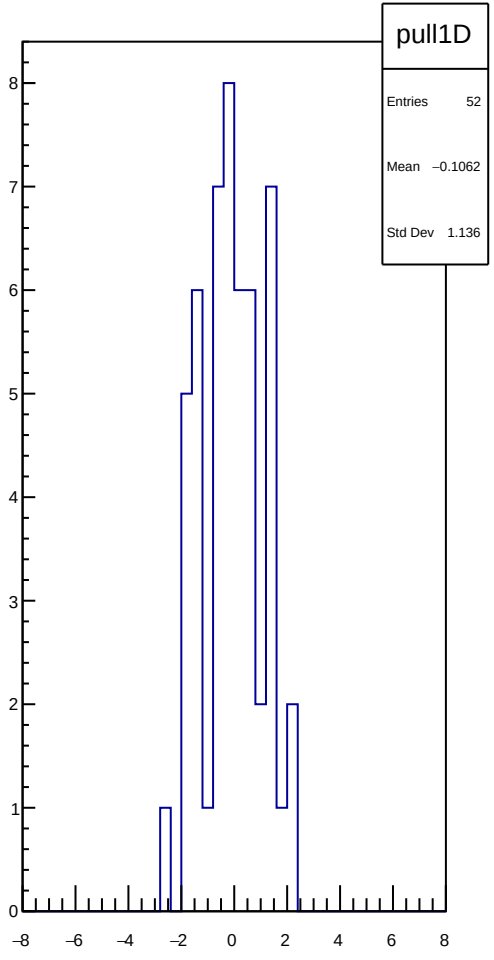

asym_atr_avg_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 2.025e+05 / 51
p0 339.1 ± 0.3736
800
700
600
500
400
300
200
100
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

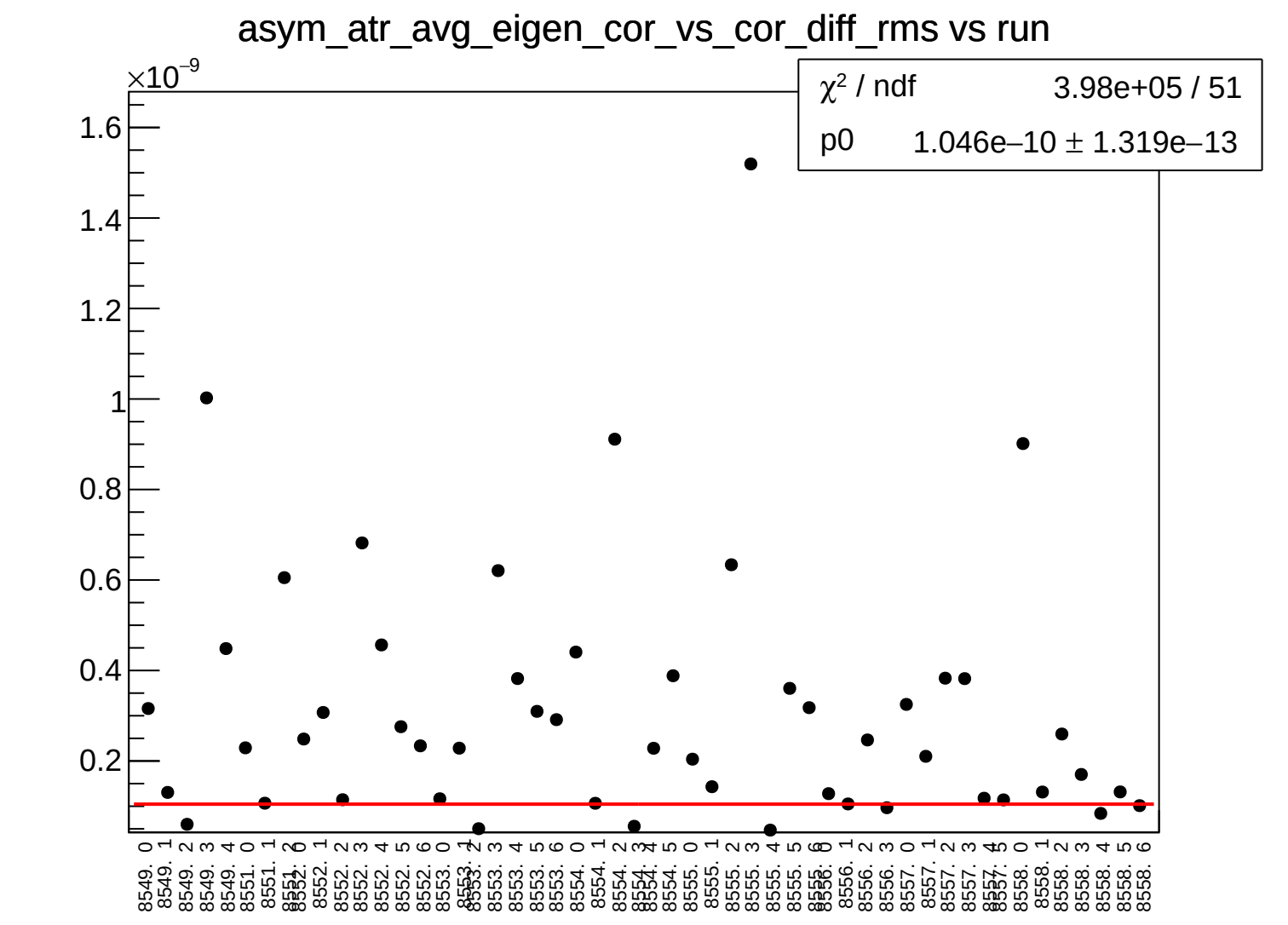

asym_atr_avg_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 52.54 / 51
p0 −0.4048 ± 0.5283
pull
Entries 52
Mean −68.36
Std Dev 0

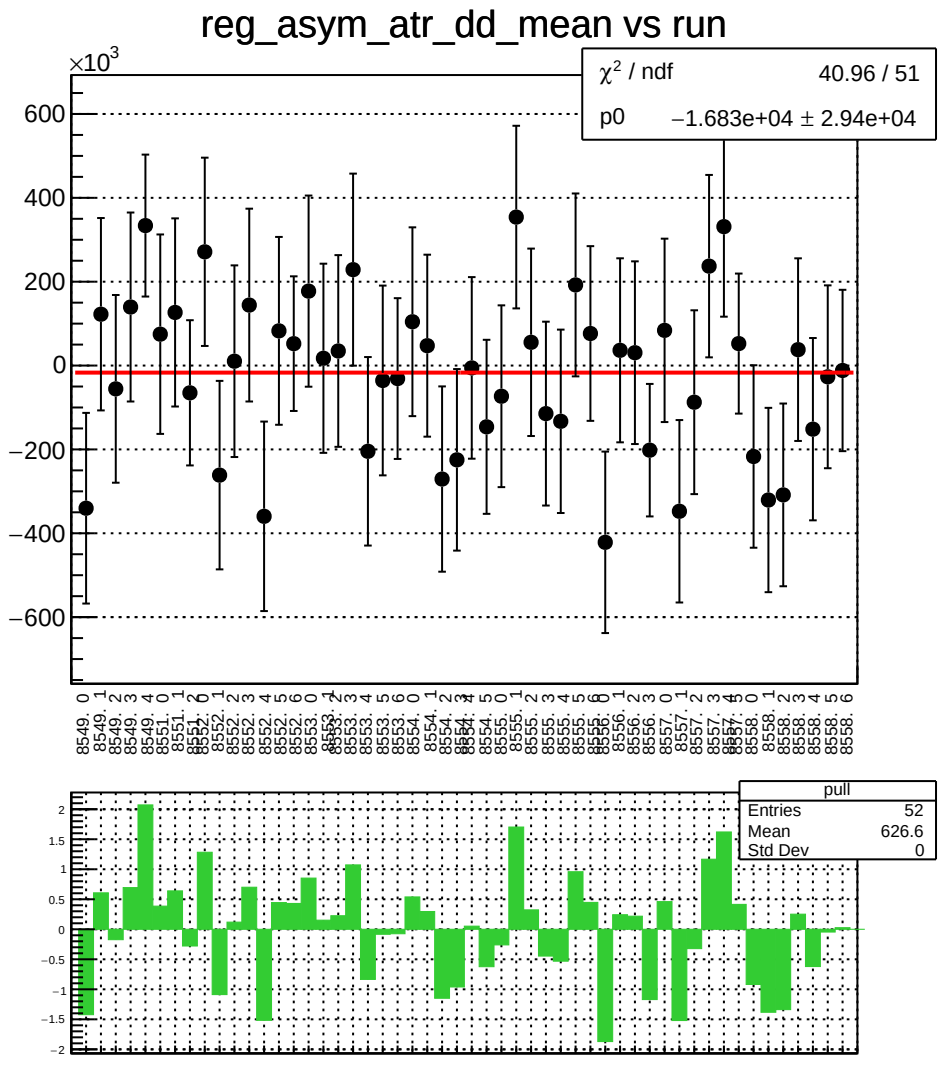

pull1D
Entries 52
Mean −0.06541
Std Dev 1.003

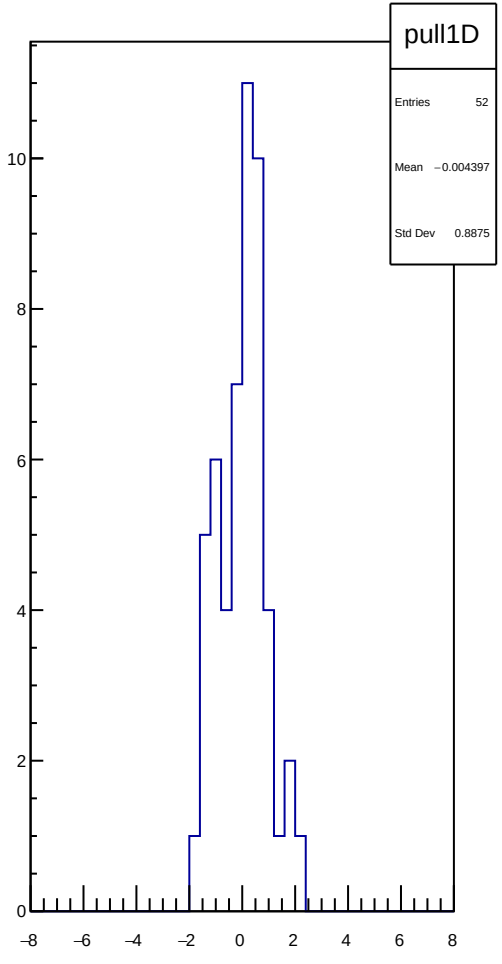

asym_atr_avg_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 2.025e+05 / 51
p0 339.1 ± 0.3736
800
700
600
500
400
300
200
100
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

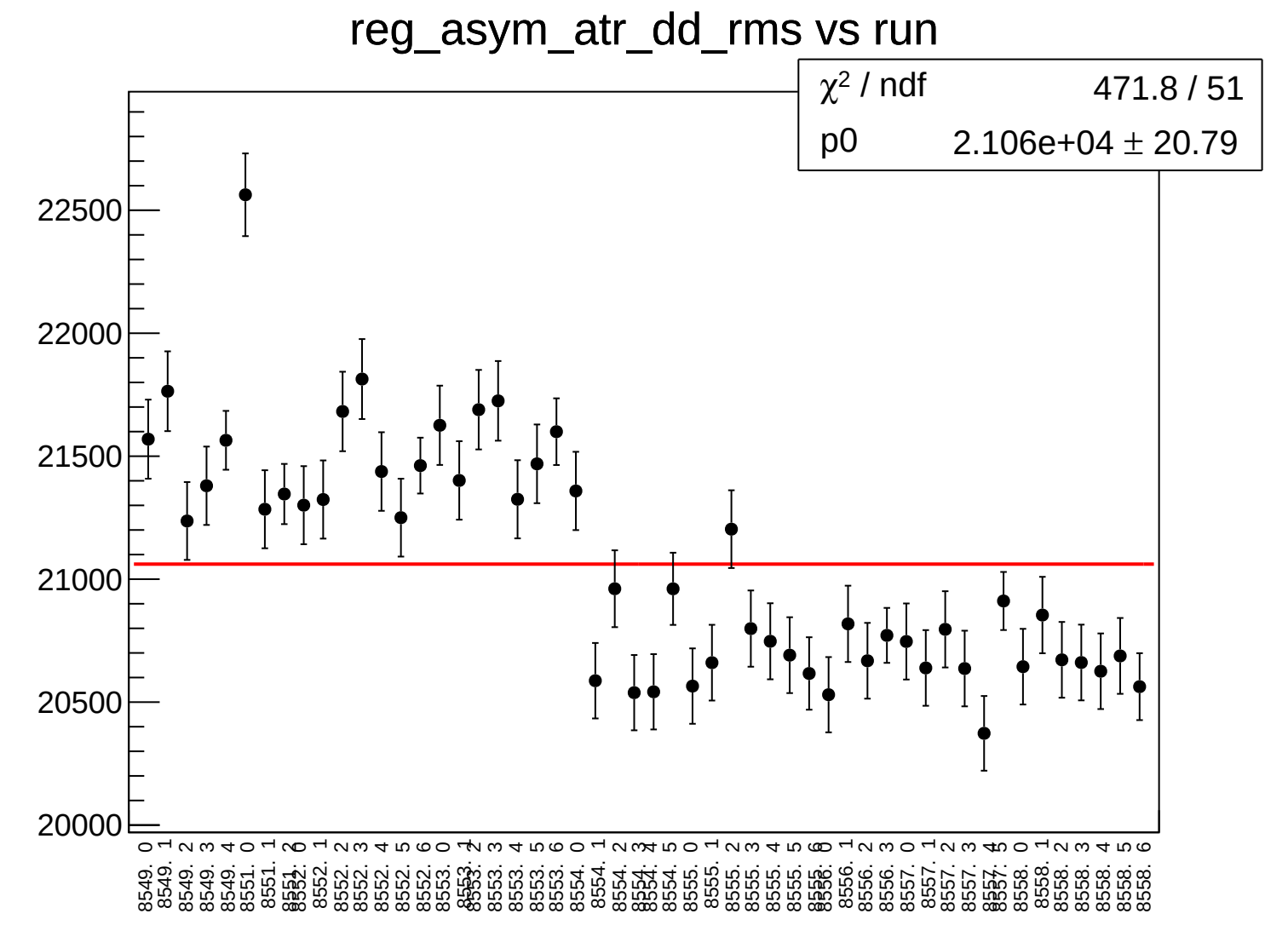

asym_atr_avg_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 67.66 / 51
p0 7.503e−14 ± 1.865e−13
pull
Entries 52
Mean 44.99
Std Dev 0

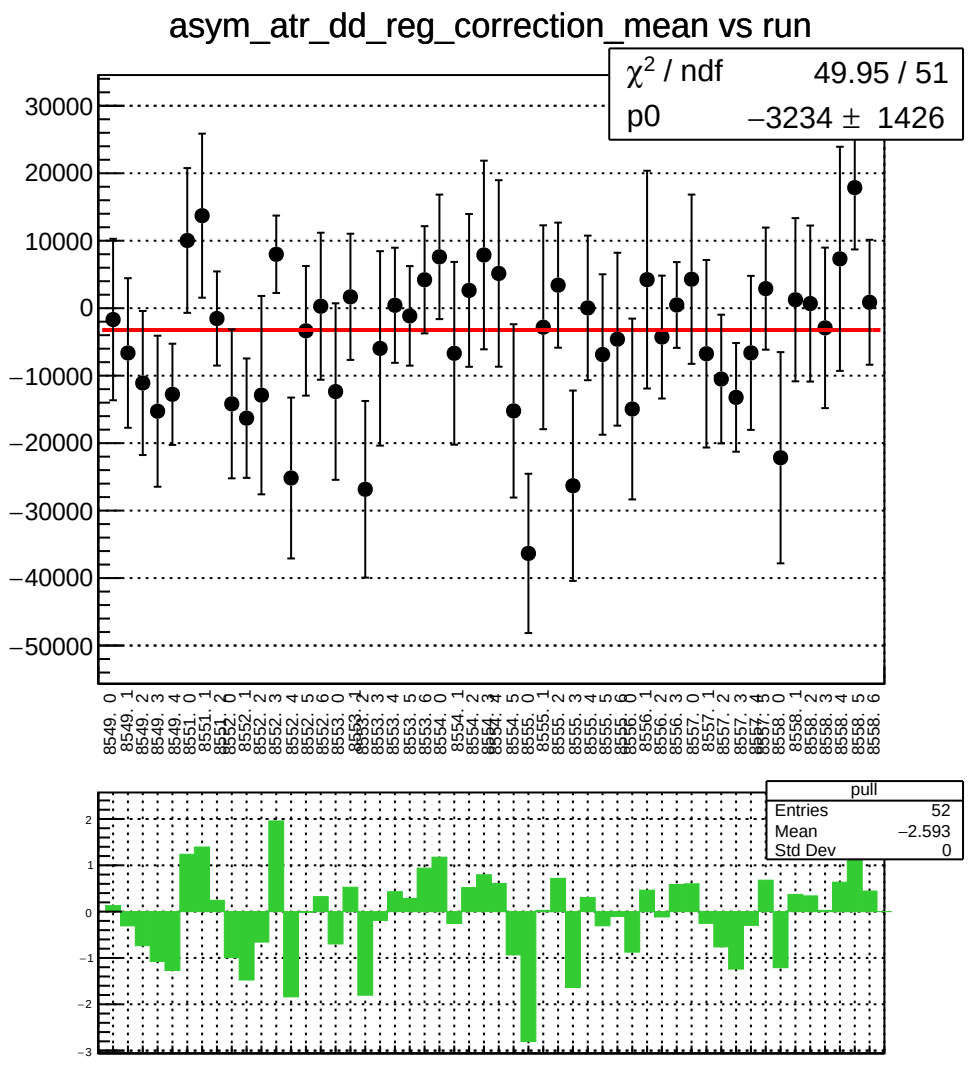

pull1D
Entries 52
Mean −0.1062
Std Dev 1.136

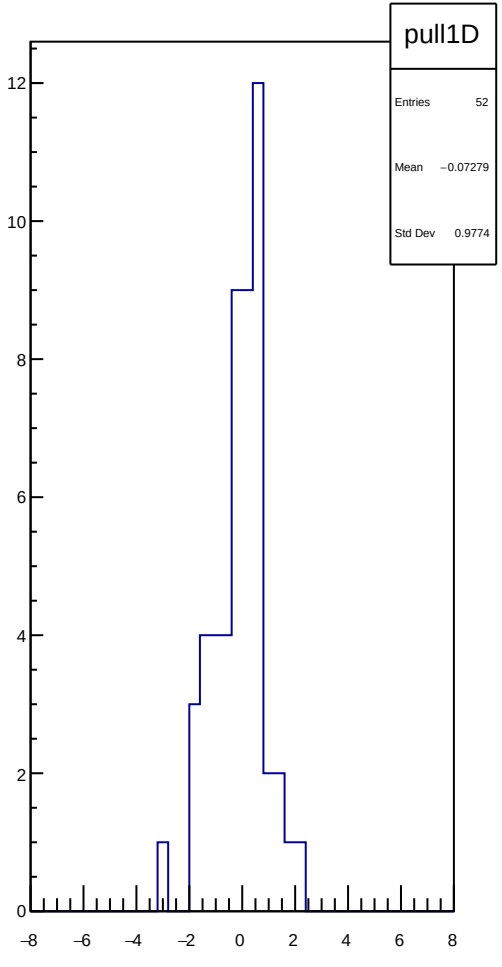

asym_atr_avg_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 3.98e+05 / 51
p0 1.046e−10 ± 1.319e−13
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 0
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

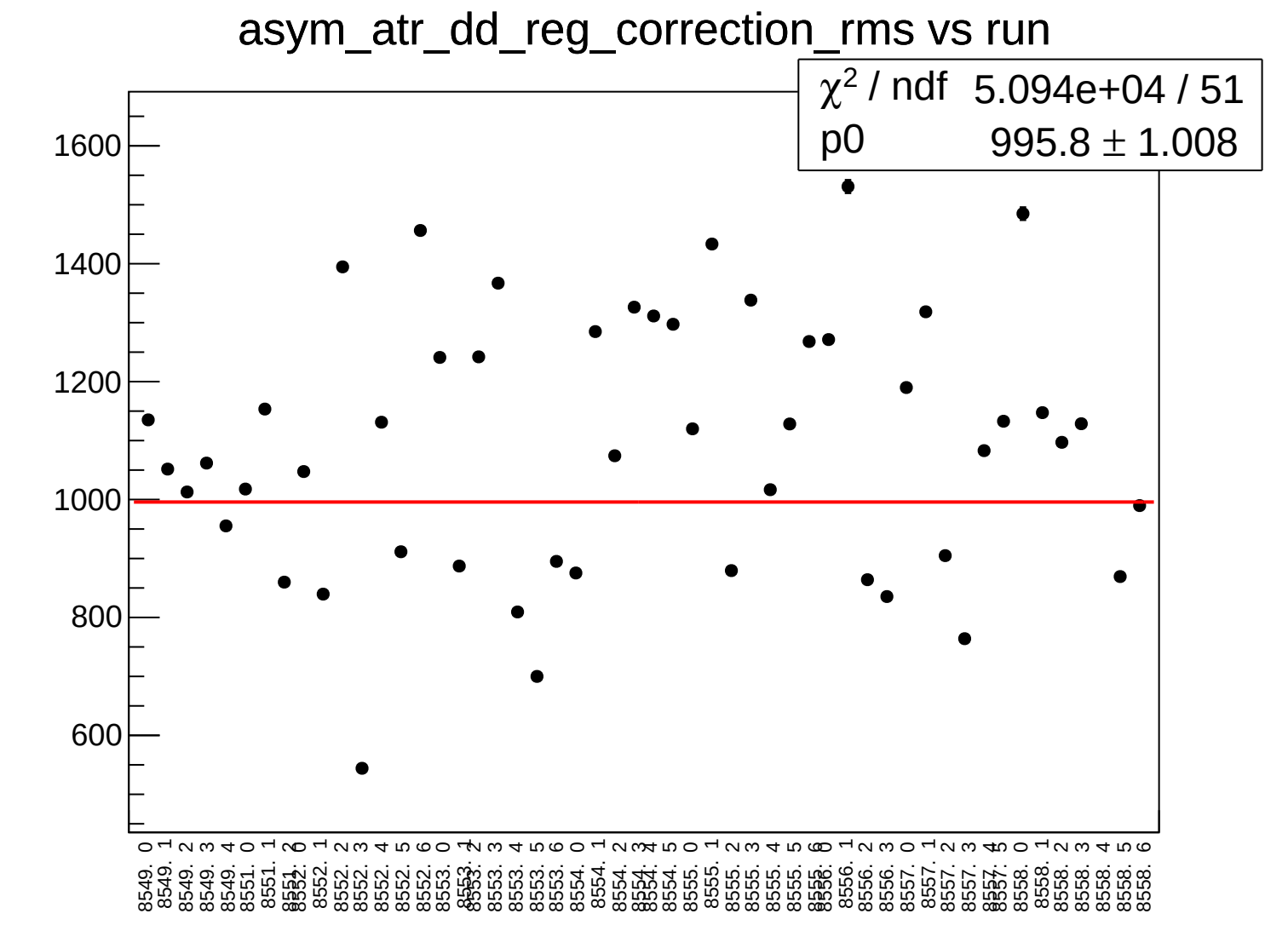

reg_asym_atr_dd_mean vs run
×10^3
χ² / ndf 40.96 / 51
p0 −1.683e+04 ± 2.94e+04
pull
Entries 52
Mean 626.6
Std Dev 0

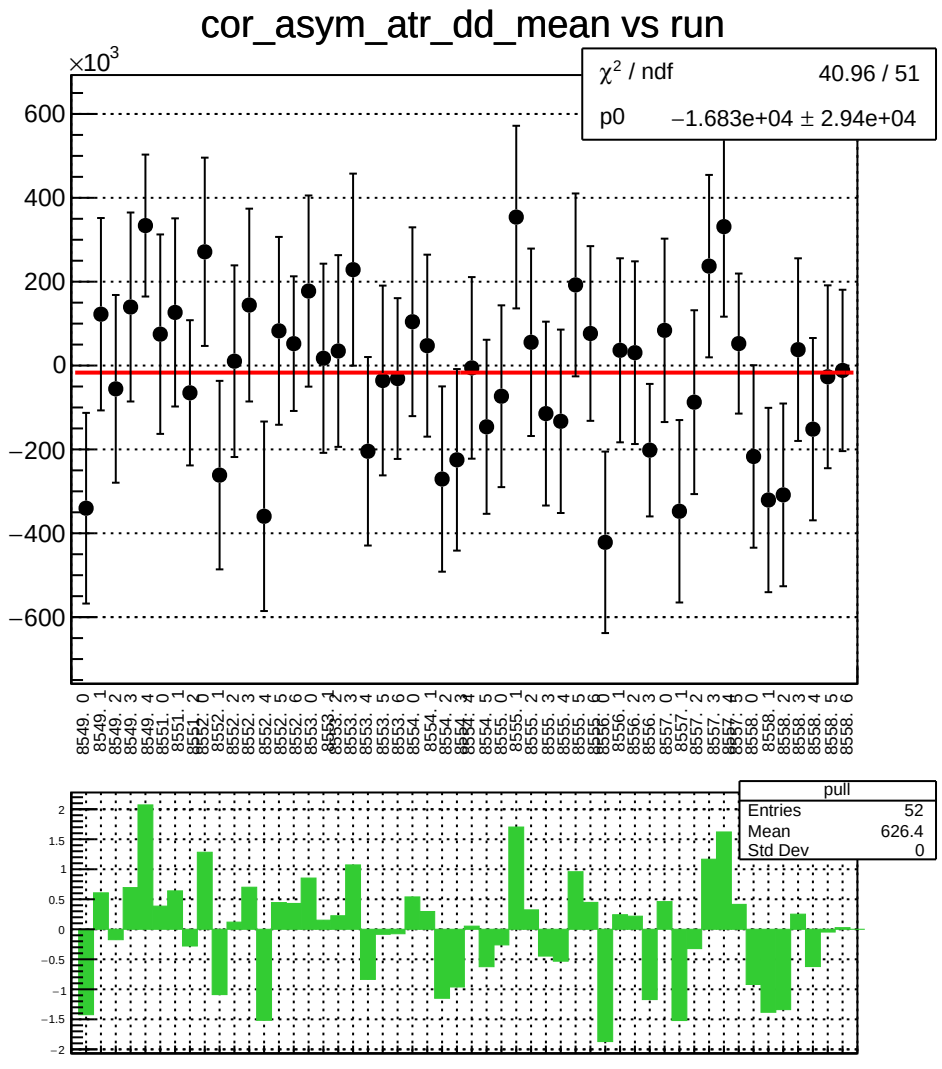

pull1D
Entries 52
Mean −0.004397
Std Dev 0.8875

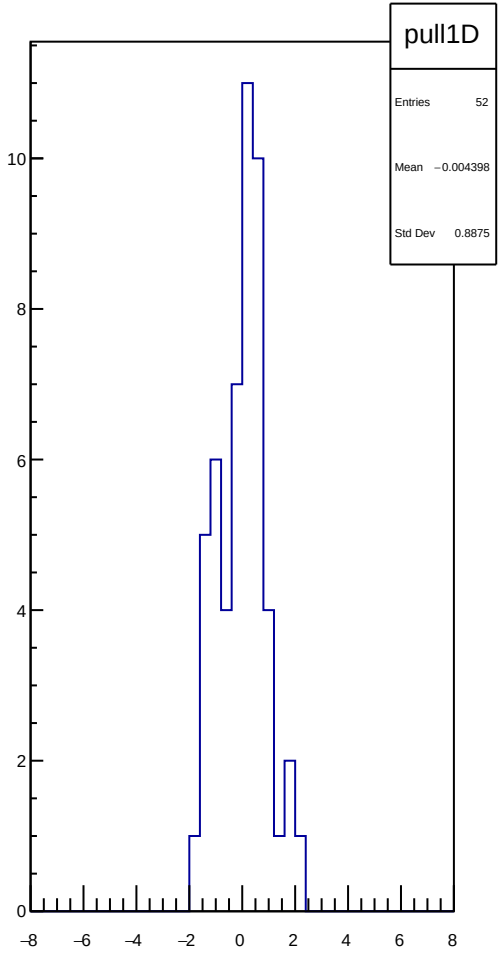

reg_asym_atr_dd_rms vs run
χ² / ndf 471.8 / 51
p0 2.106e+04 ± 20.79
22500
22000
21500
21000
20500
20000
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

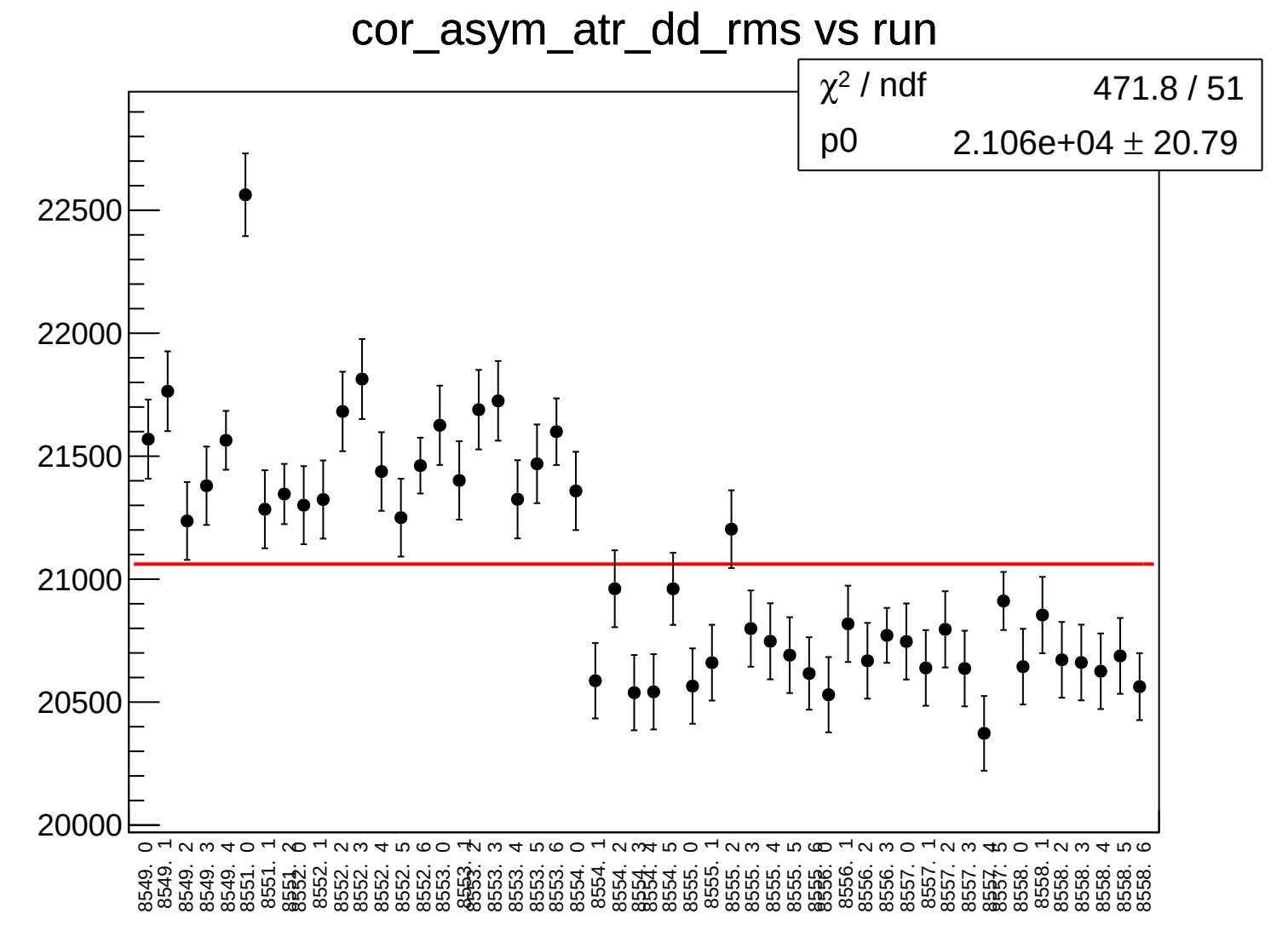

asym_atr_dd_reg_correction_mean vs run
χ² / ndf 49.95 / 51
p0 −3234 ± 1426
pull
Entries 52
Mean −2.593
Std Dev 0


pull1D
Entries 52
Mean −0.07279
Std Dev 0.9774


asym_atr_dd_reg_correction_rms vs run
χ² / ndf 5.094e+04 / 51
p0 995.8 ± 1.008
1600
1400
1200
1000
800
600
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 5
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6


cor_asym_atr_dd_mean vs run
×10^3
χ² / ndf 40.96 / 51
p0 −1.683e+04 ± 2.94e+04
pull
Entries 52
Mean 626.4
Std Dev 0


pull1D
Entries 52
Mean −0.004398
Std Dev 0.8875


cor_asym_atr_dd_rms vs run
χ² / ndf 471.8 / 51
p0 2.106e+04 ± 20.79
22500
22000
21500
21000
20500
20000
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
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8557. 3
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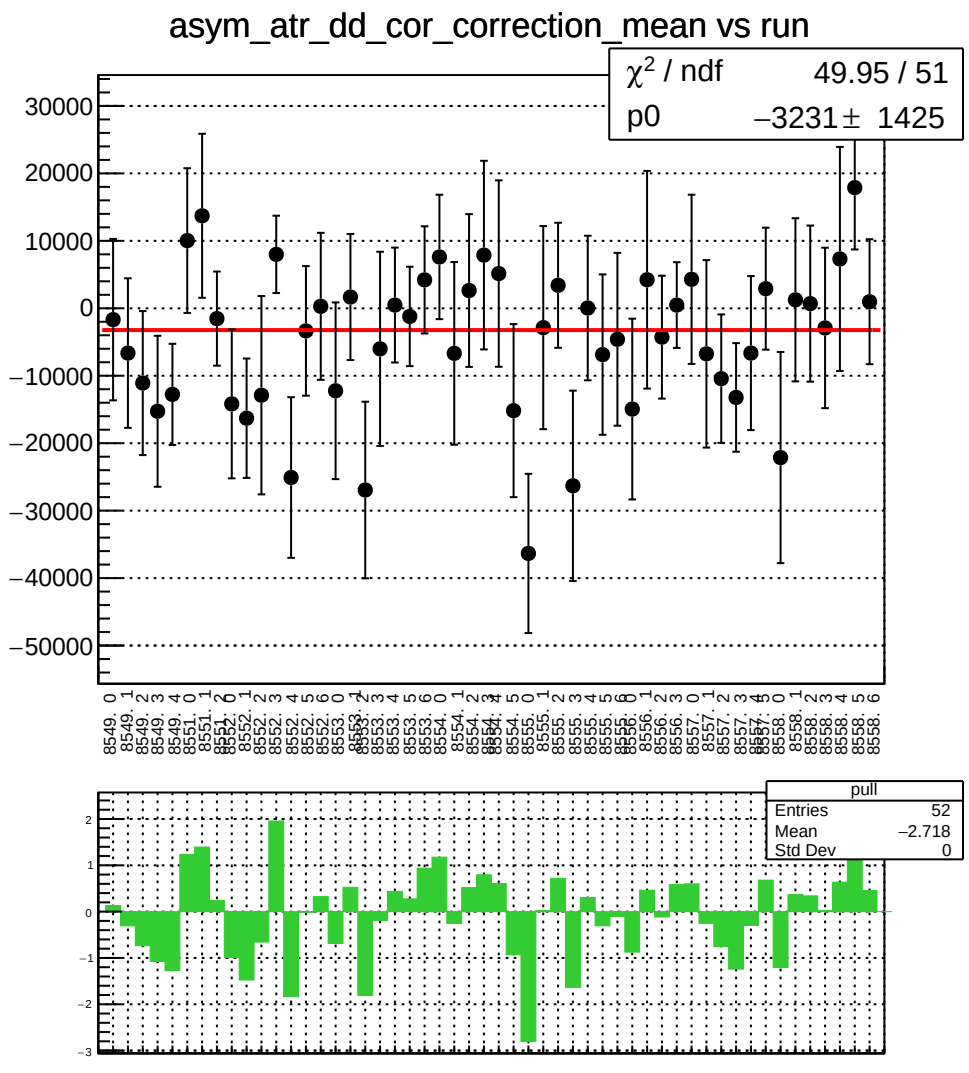
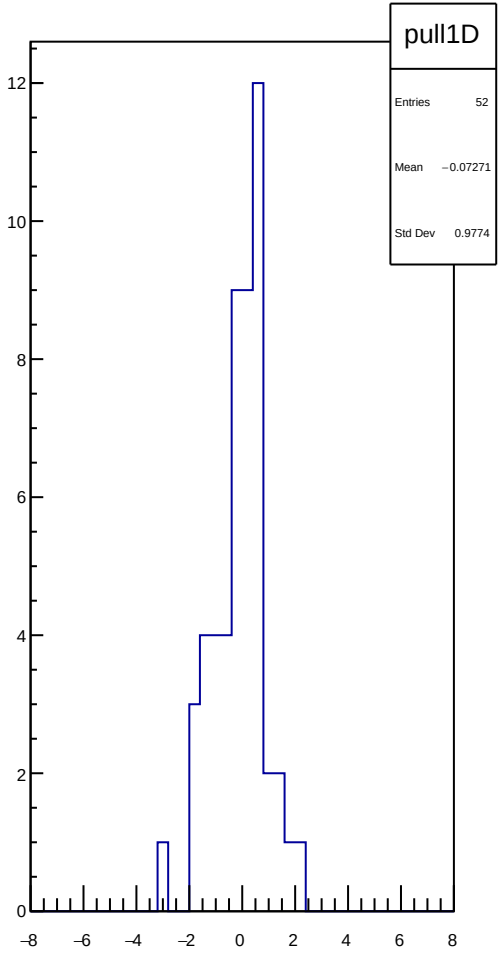
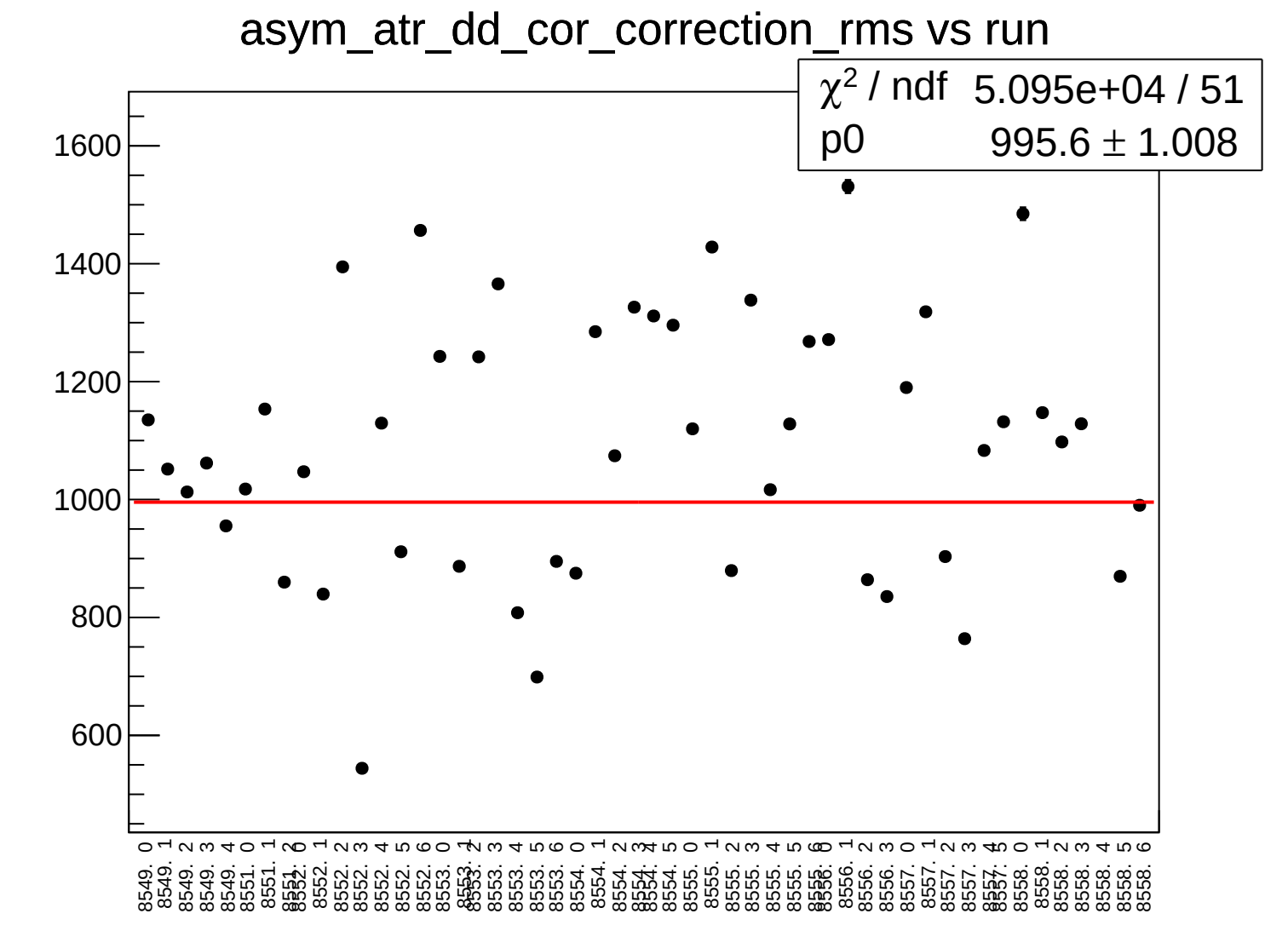
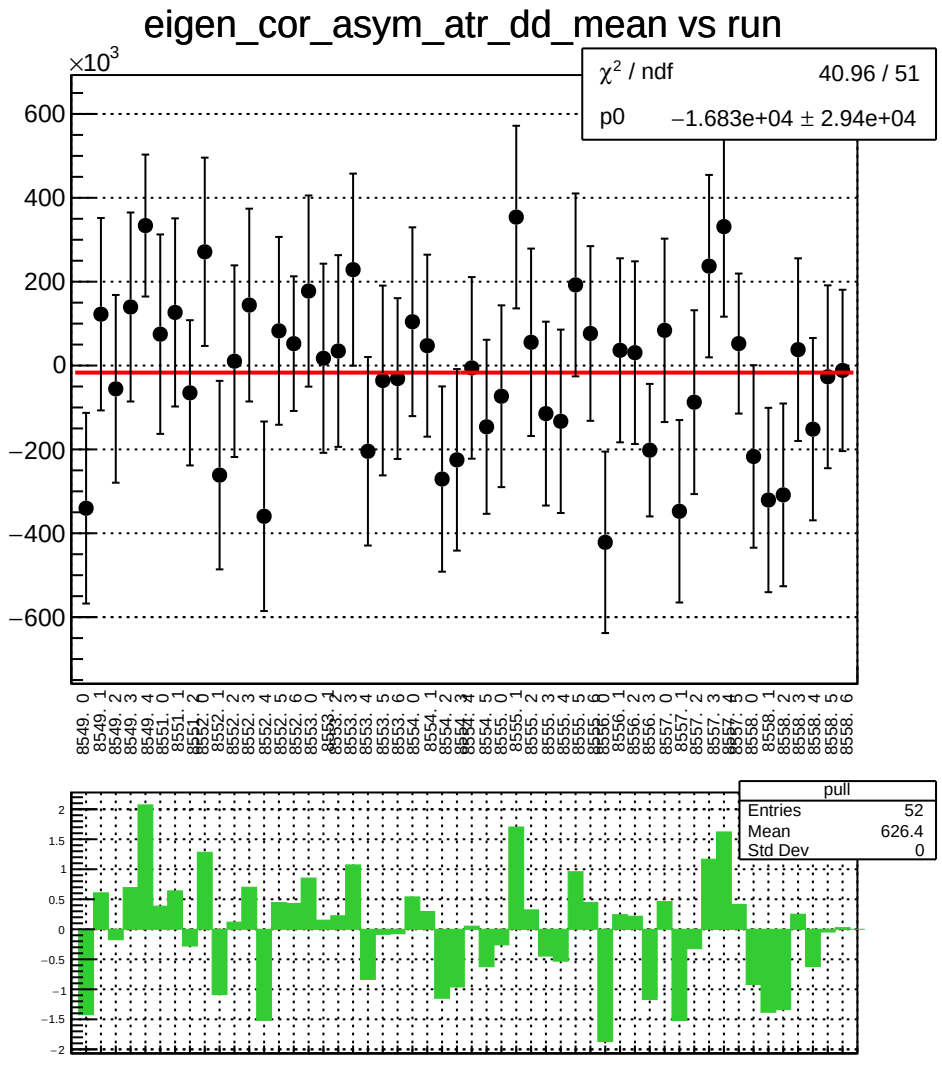
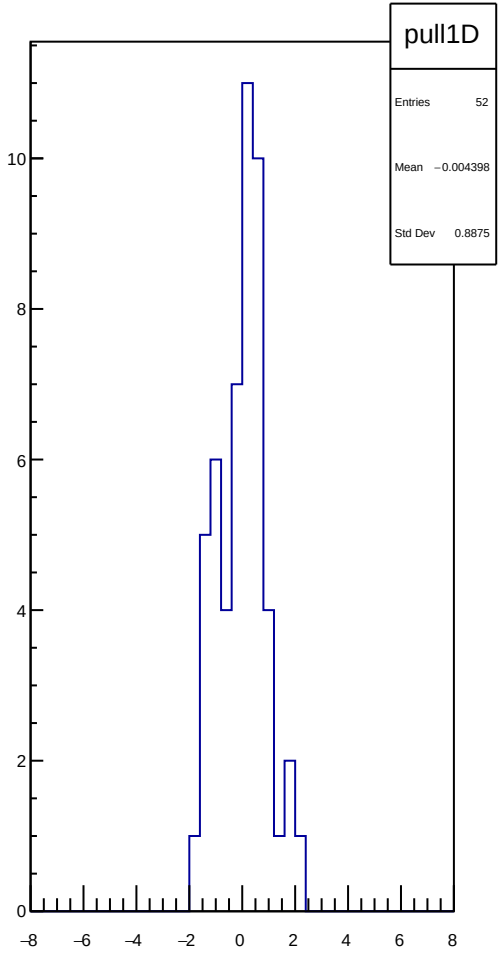
8558. 5
8558. 6

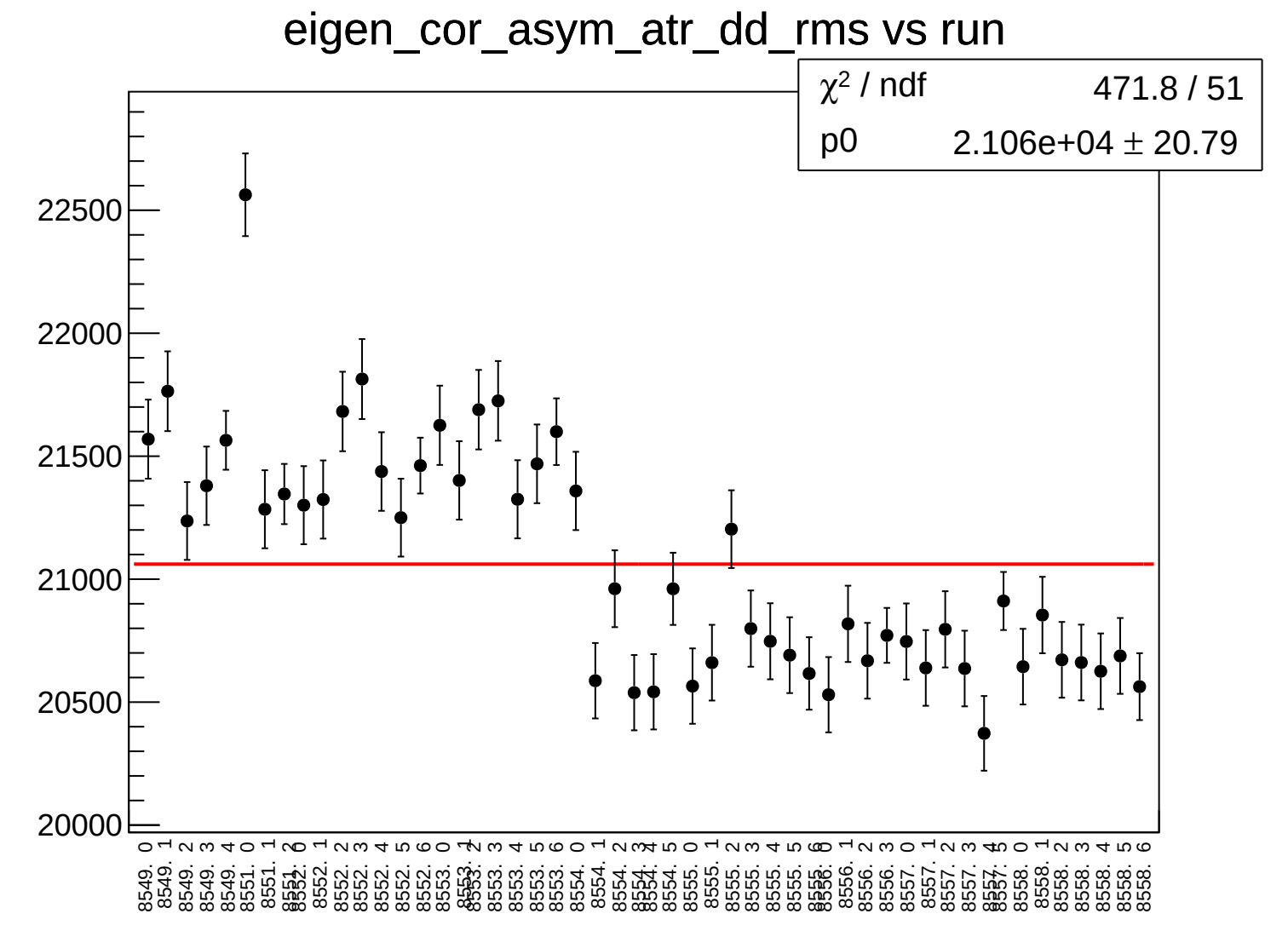

asym_atr_dd_cor_correction_mean vs run
χ² / ndf 49.95 / 51
p0 −3231 ± 1425
pull
Entries 52
Mean −2.718
Std Dev 0

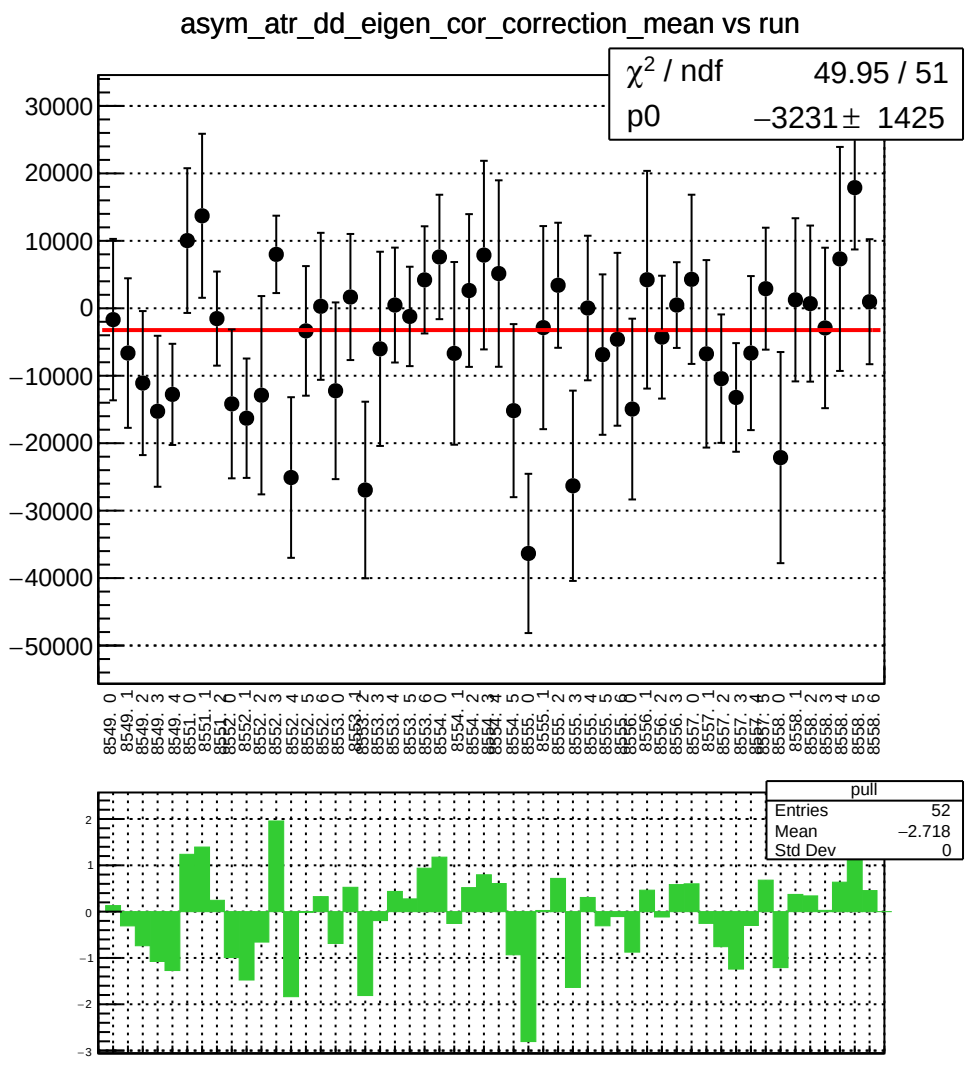

pull1D
Entries 52
Mean −0.07271
Std Dev 0.9774

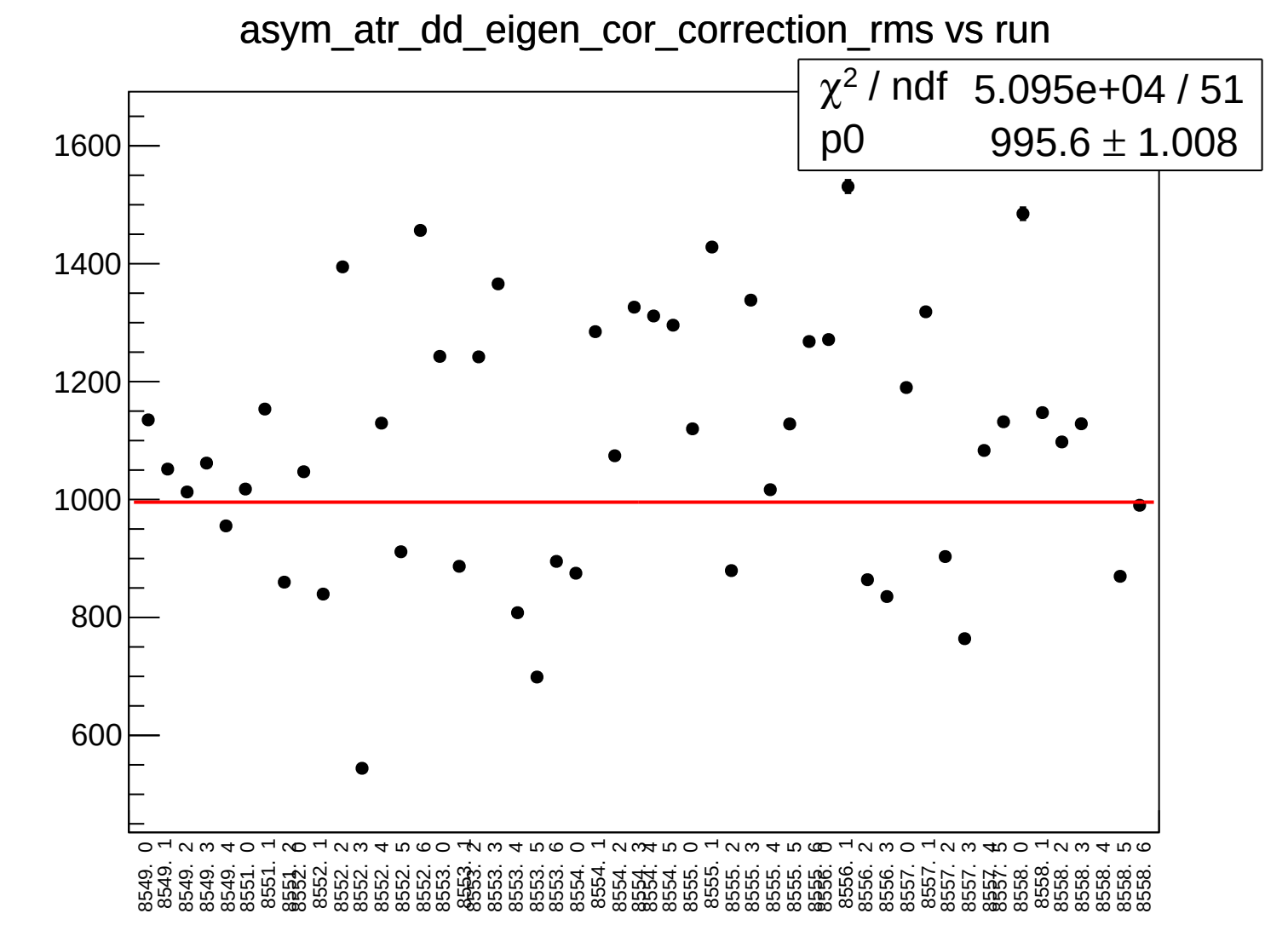

asym_atr_dd_cor_correction_rms vs run
χ² / ndf 5.095e+04 / 51
p0 995.6 ± 1.008
1600
1400
1200
1000
800
600
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 5
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6


eigen_cor_asym_atr_dd_mean vs run
×10^3
χ² / ndf 40.96 / 51
p0 −1.683e+04 ± 2.94e+04
pull
Entries 52
Mean 626.4
Std Dev 0


pull1D
Entries 52
Mean −0.004398
Std Dev 0.8875


eigen_cor_asym_atr_dd_rms vs run
χ² / ndf 471.8 / 51
p0 2.106e+04 ± 20.79
22500
22000
21500
21000
20500
20000
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6


asym_atr_dd_eigen_cor_correction_mean vs run
χ² / ndf 49.95 / 51
p0 −3231 ± 1425
pull
Entries 52
Mean −2.718
Std Dev 0
pull1D
Entries 52
Mean −0.07271
Std Dev 0.9774


asym_atr_dd_eigen_cor_correction_rms vs run
χ² / ndf 5.095e+04 / 51
p0 995.6 ± 1.008
1600
1400
1200
1000
800
600
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 5
8555. 0
8555. 1
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8555. 3
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8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
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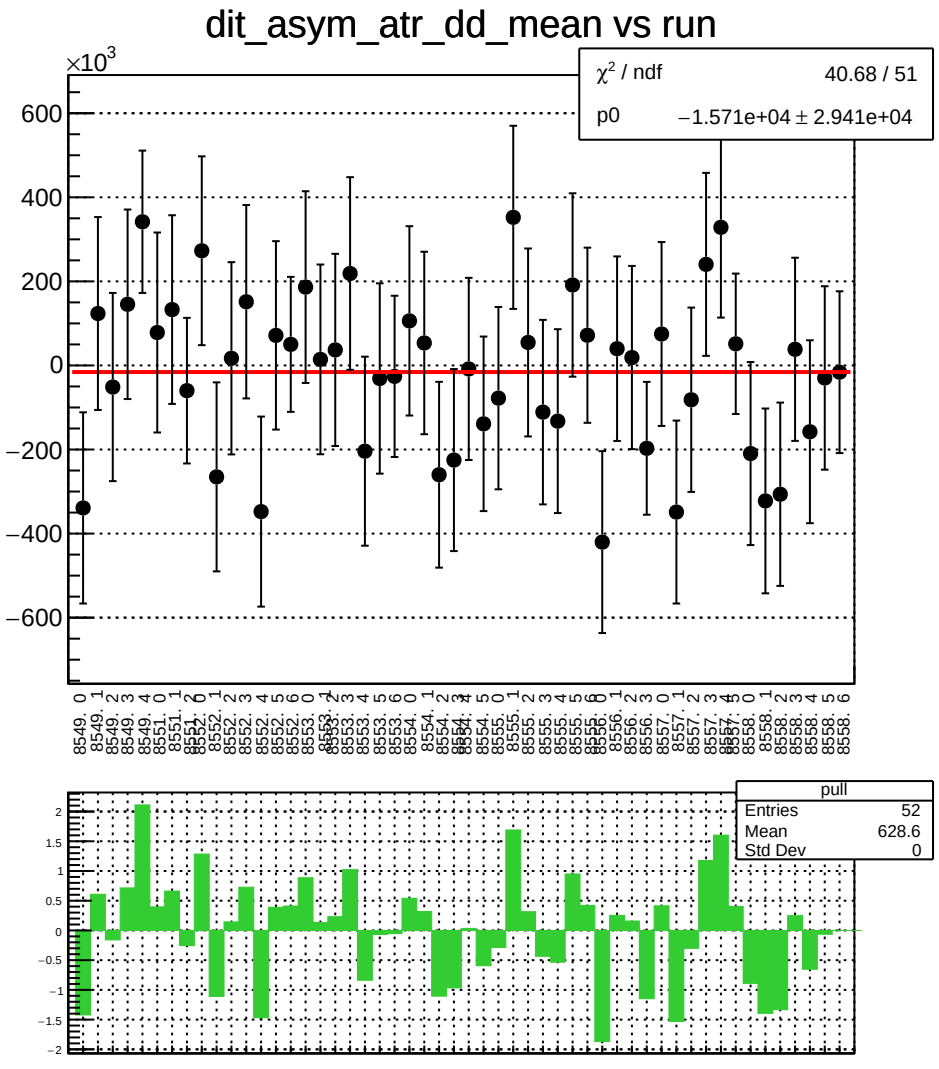
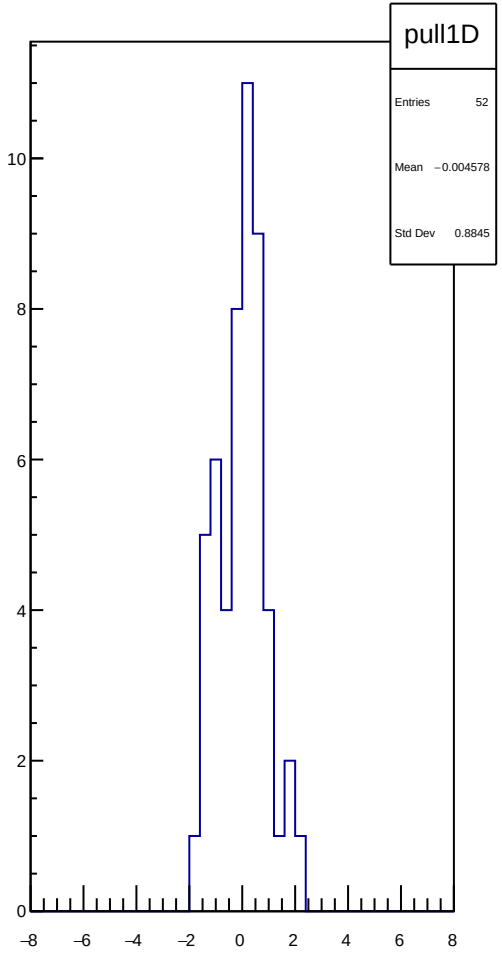
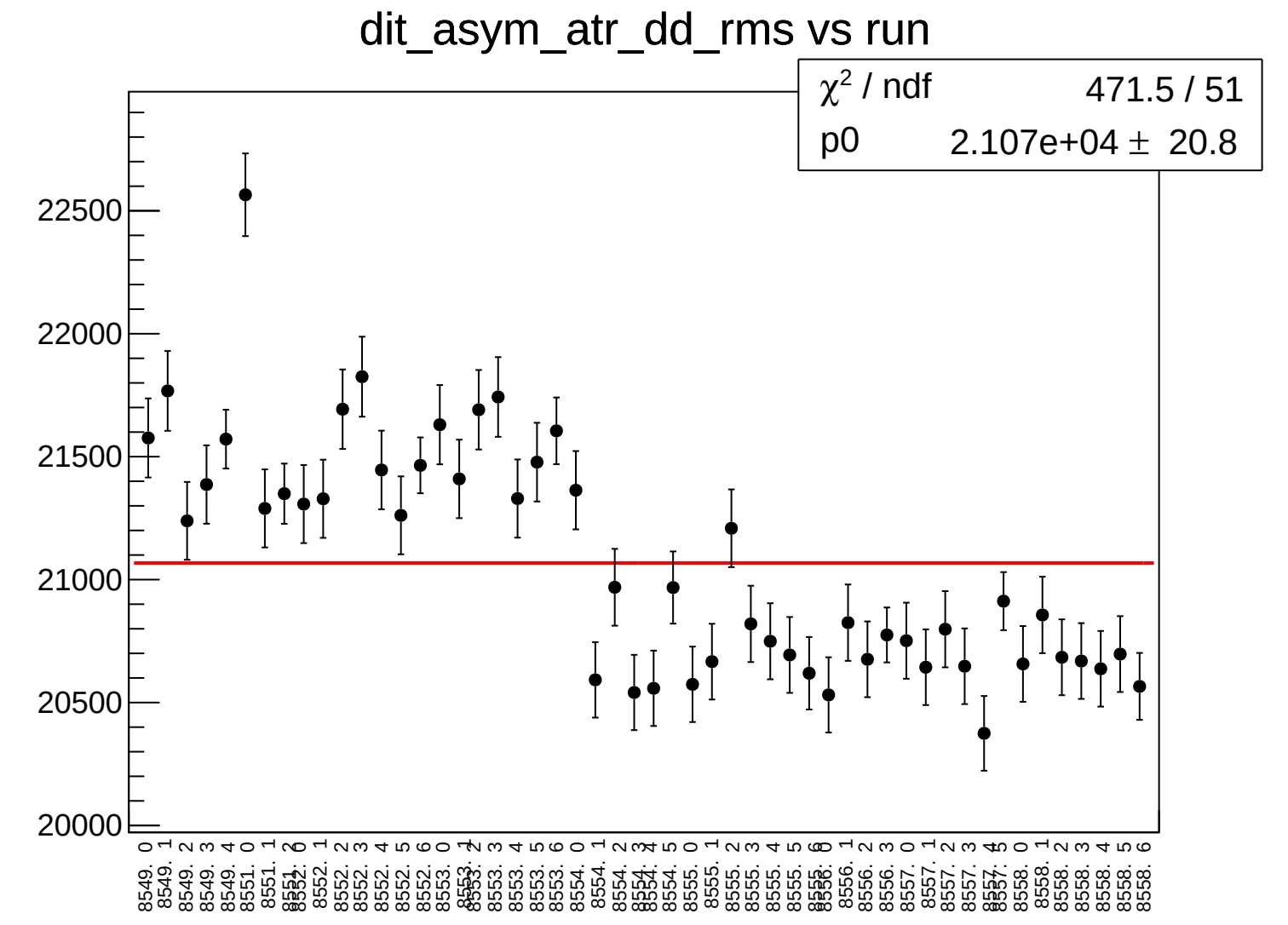
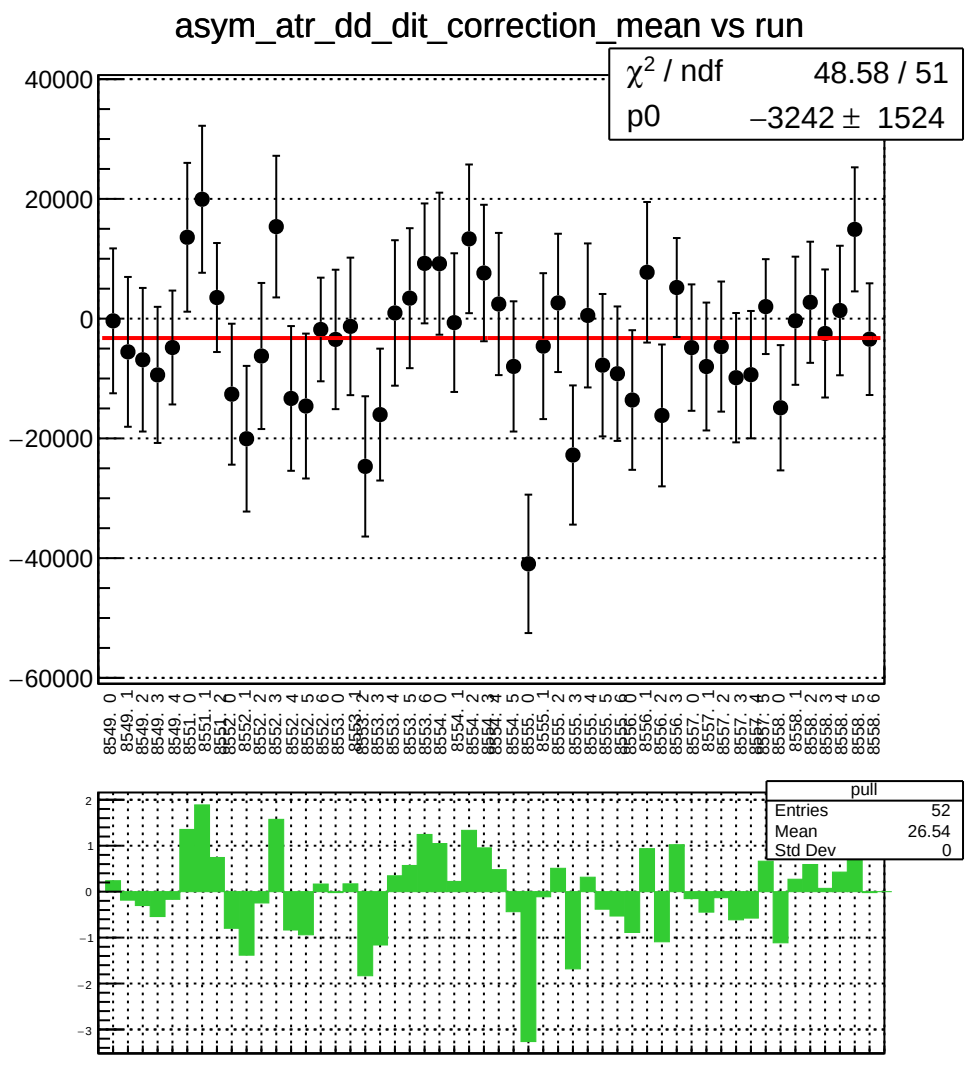
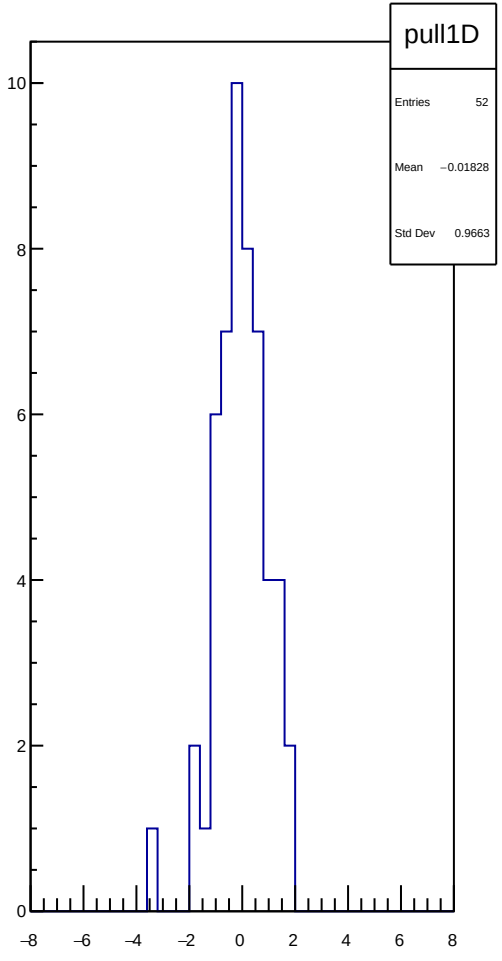
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

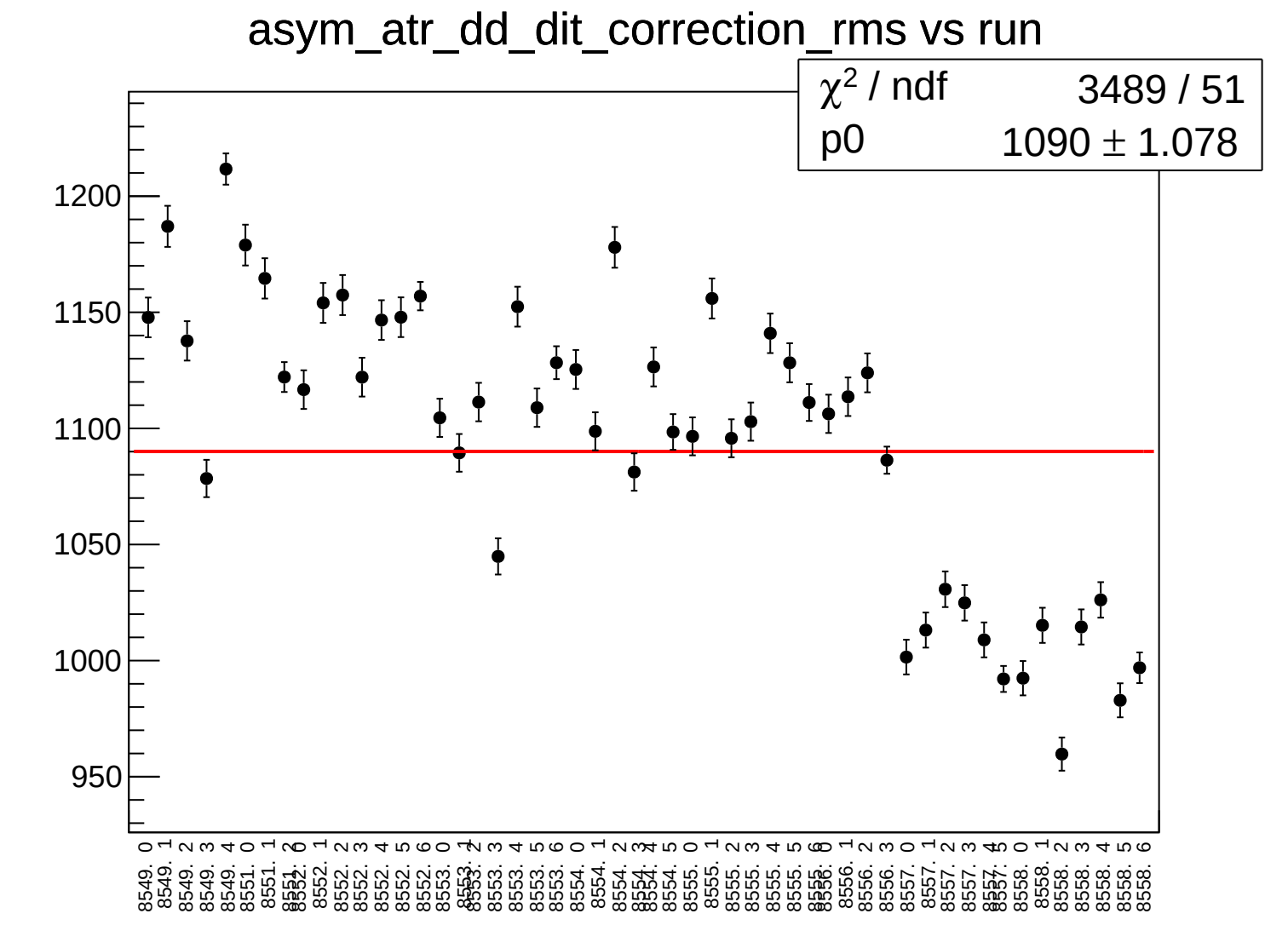

dit_asym_atr_dd_mean vs run
×10^3
χ² / ndf 40.68 / 51
p0 −1.571e+04 ± 2.941e+04
pull
Entries 52
Mean 628.6
Std Dev 0


pull1D
Entries 52
Mean −0.004578
Std Dev 0.8845


dit_asym_atr_dd_rms vs run
χ² / ndf 471.5 / 51
p0 2.107e+04 ± 20.8
22500
22000
21500
21000
20500
20000
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6


asym_atr_dd_dit_correction_mean vs run
χ² / ndf 48.58 / 51
p0 −3242 ± 1524
40000
20000
0
−20000
−40000
−60000
pull
Entries 52
Mean 26.54
Std Dev 0
2
1
0
−1
−2
−3


pull1D
Entries 52
Mean −0.01828
Std Dev 0.9663
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


asym_atr_dd_dit_correction_rms vs run
χ² / ndf 3489 / 51
p0 1090 ± 1.078
1200
1150
1100
1050
1000
950
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
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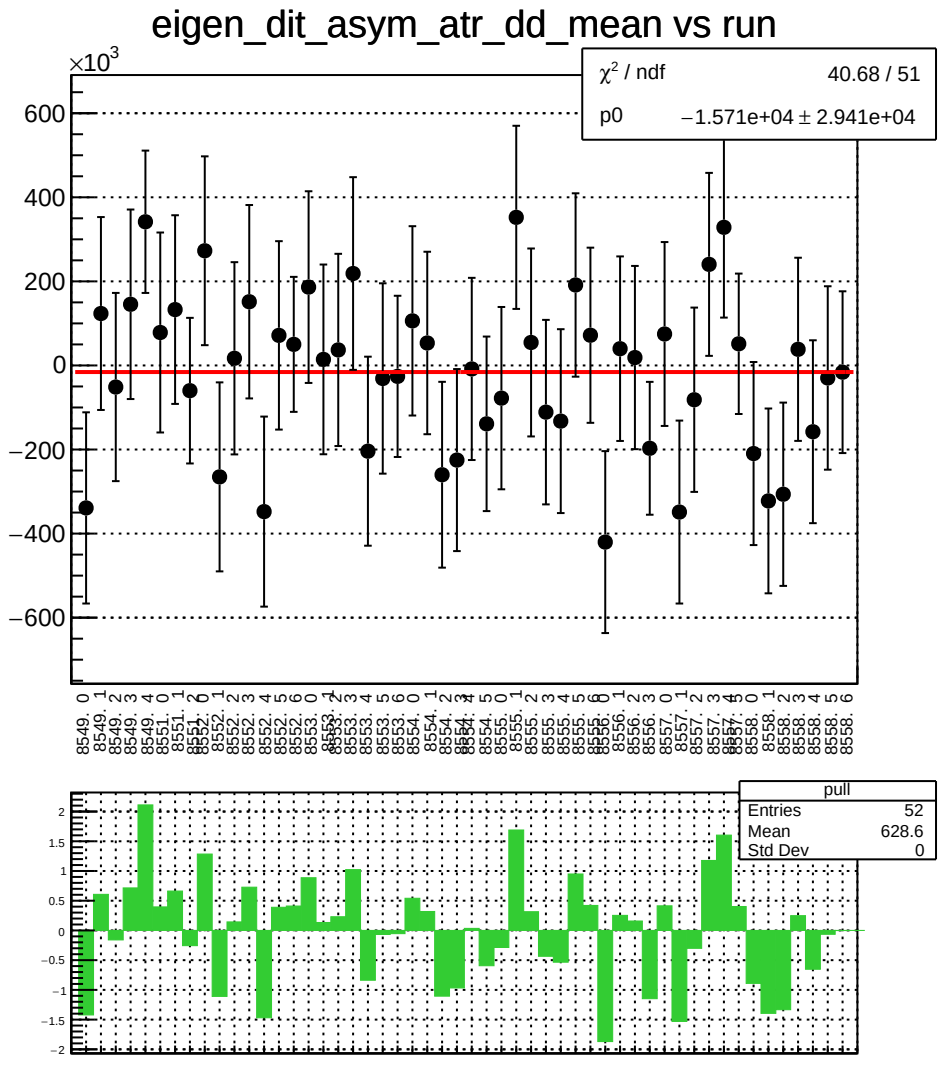
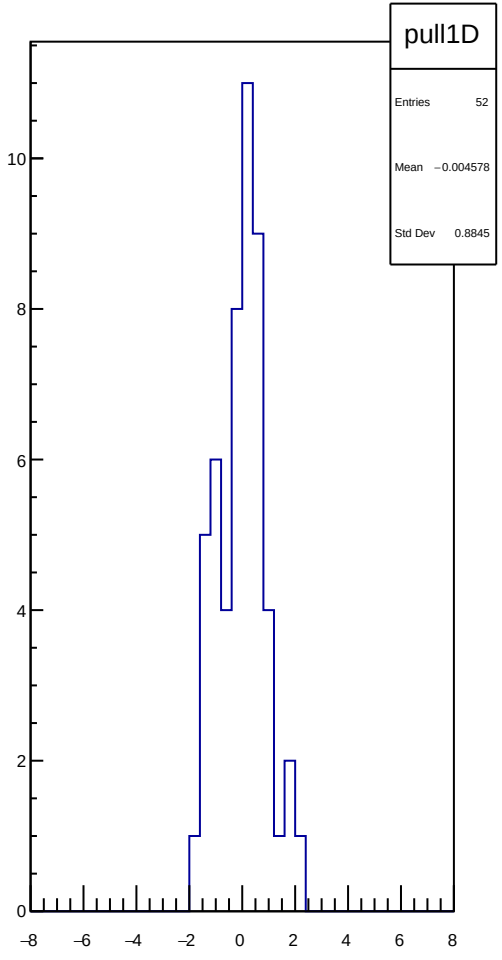
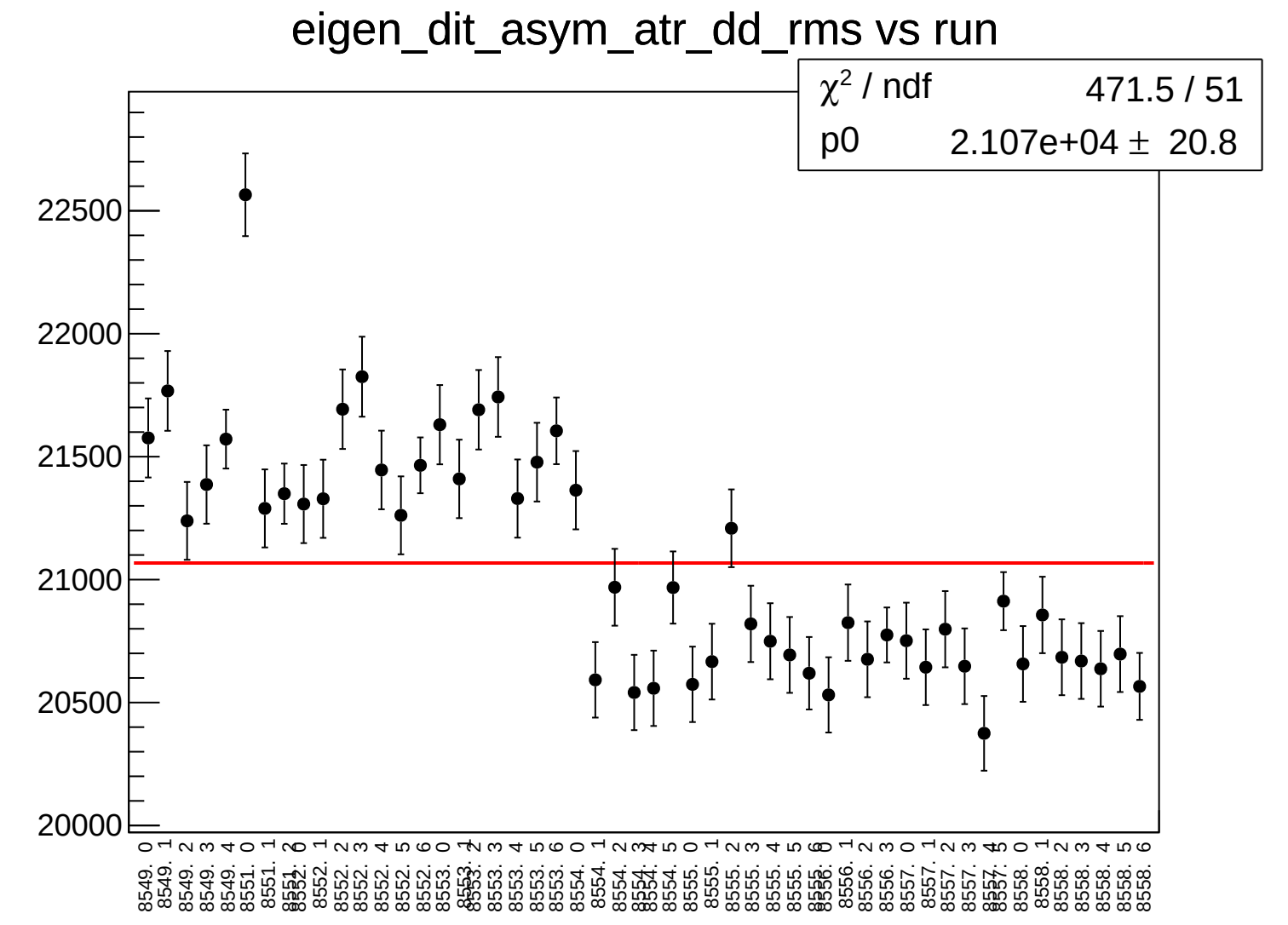
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6


eigen_dit_asym_atr_dd_mean vs run
×10^3
χ² / ndf 40.68 / 51
p0 −1.571e+04 ± 2.941e+04
pull
Entries 52
Mean 628.6
Std Dev 0


pull1D
Entries 52
Mean −0.004578
Std Dev 0.8845


eigen_dit_asym_atr_dd_rms vs run
χ² / ndf 471.5 / 51
p0 2.107e+04 ± 20.8
22500
22000
21500
21000
20500
20000
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
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8552. 5
8552. 6
8553. 0
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8553. 5
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8555. 4
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8556. 1
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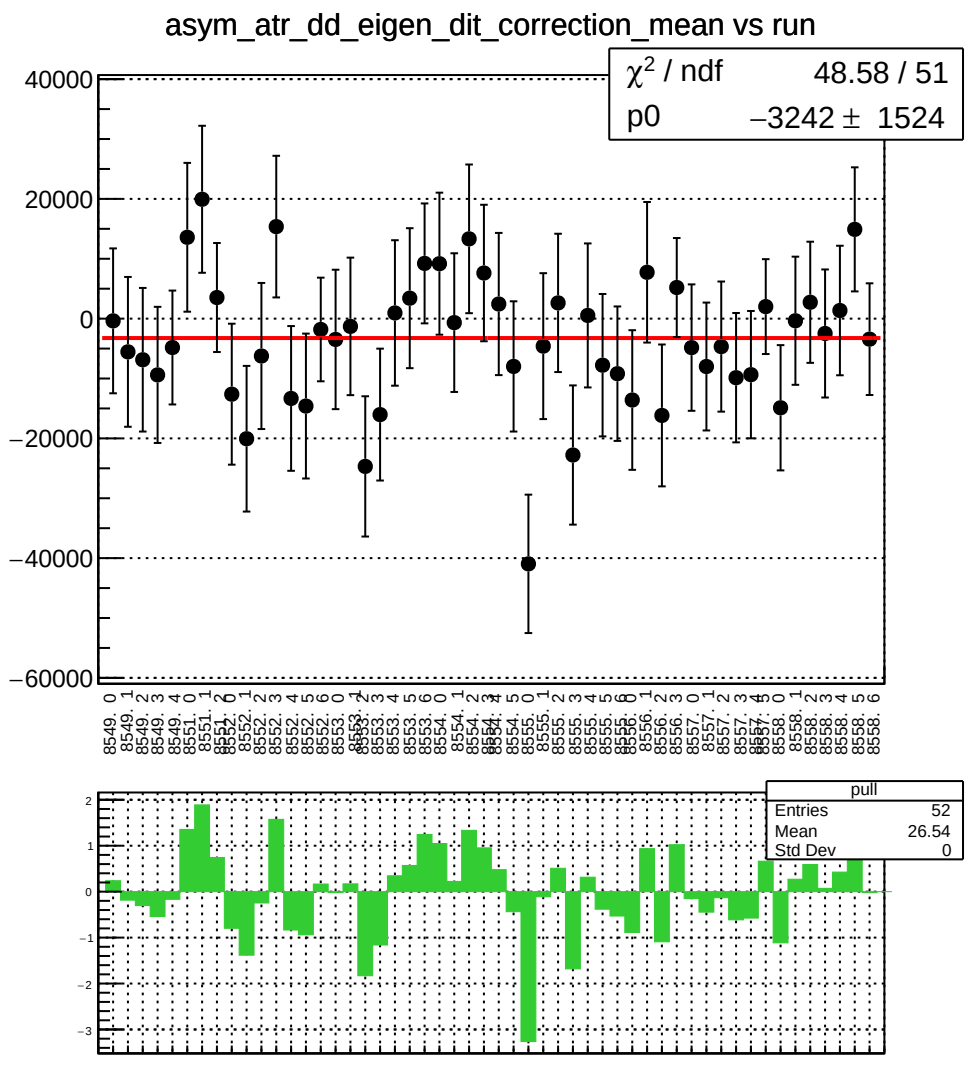
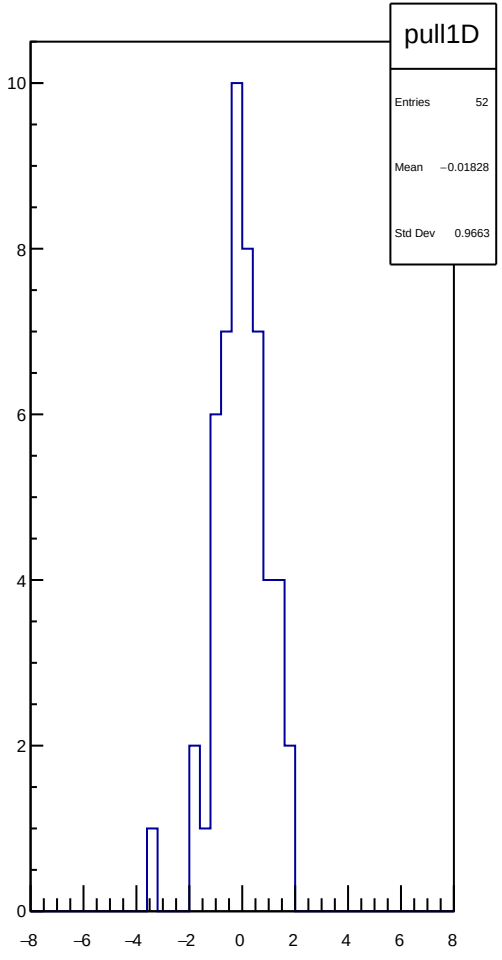
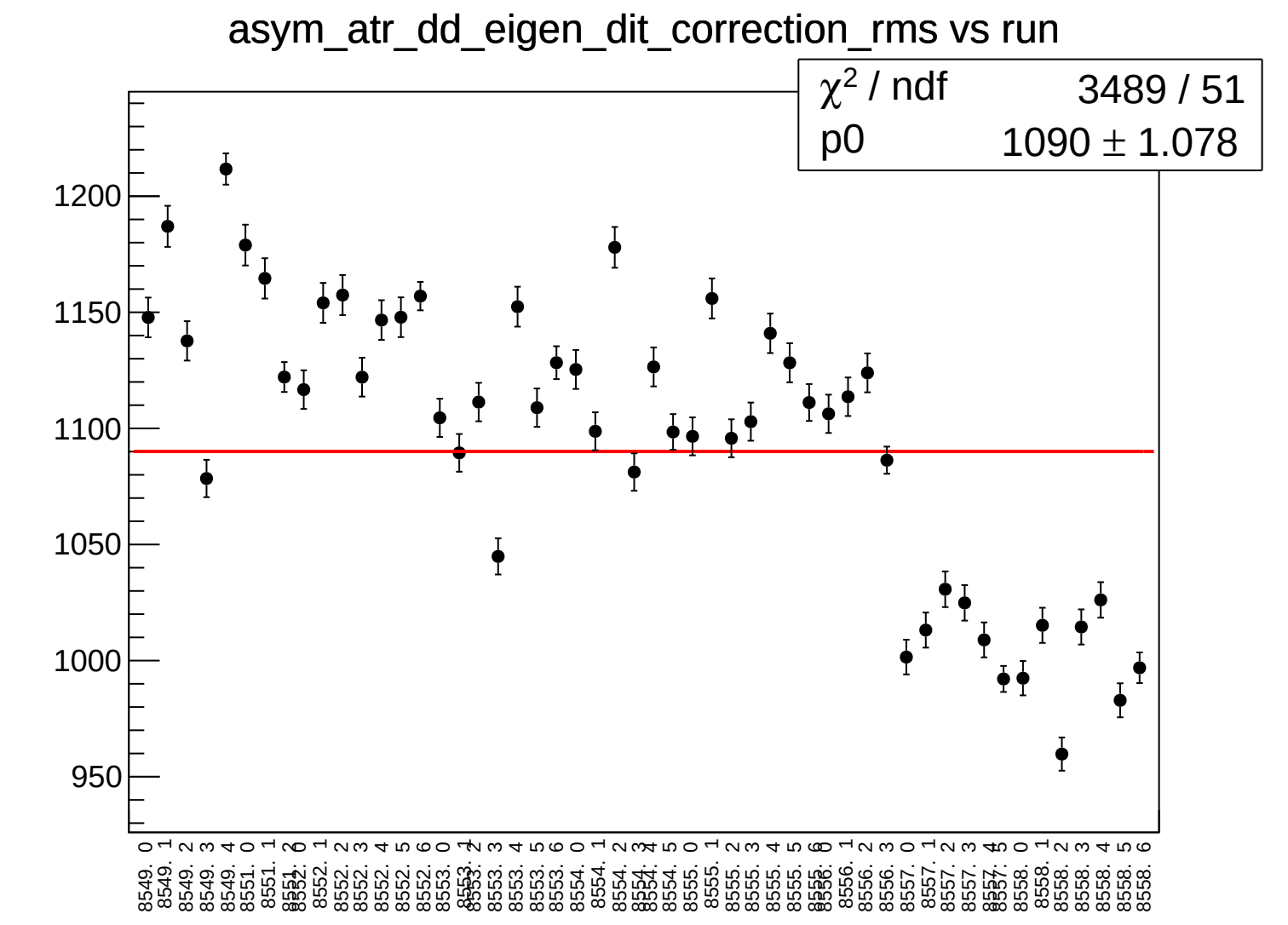
8558. 5
8558. 6


asym_atr_dd_eigen_dit_correction_mean vs run
χ² / ndf 48.58 / 51
p0 −3242 ± 1524
40000
20000
0
−20000
−40000
−60000
pull
Entries 52
Mean 26.54
Std Dev 0


pull1D
Entries 52
Mean −0.01828
Std Dev 0.9663
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


asym_atr_dd_eigen_dit_correction_rms vs run
χ² / ndf 3489 / 51
p0 1090 ± 1.078
1200
1150
1100
1050
1000
950
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
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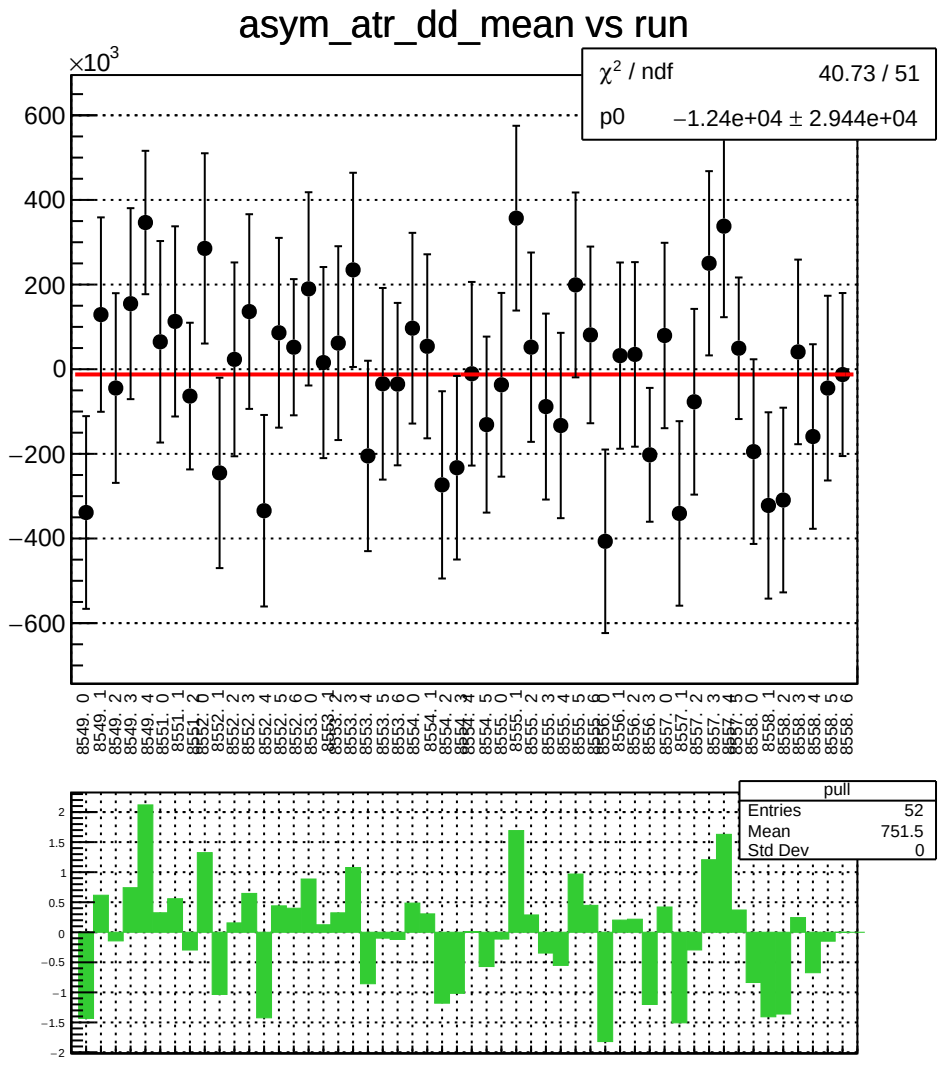
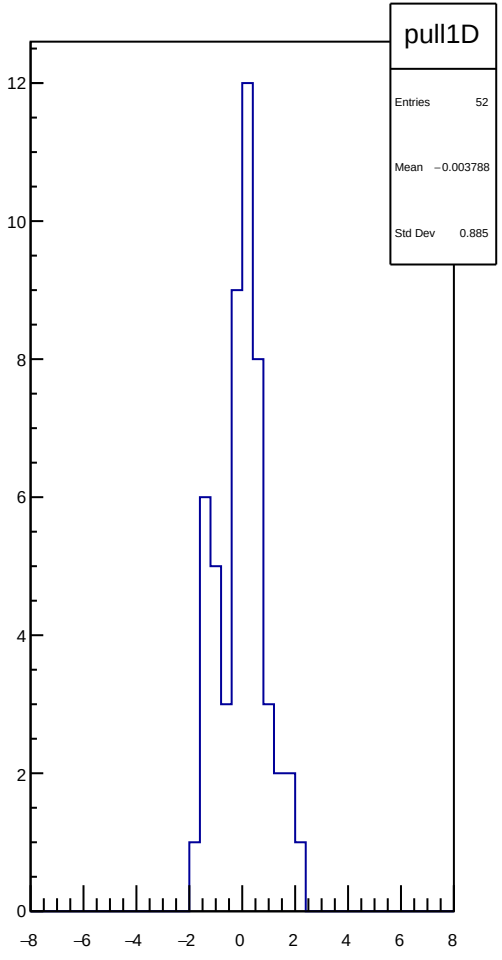
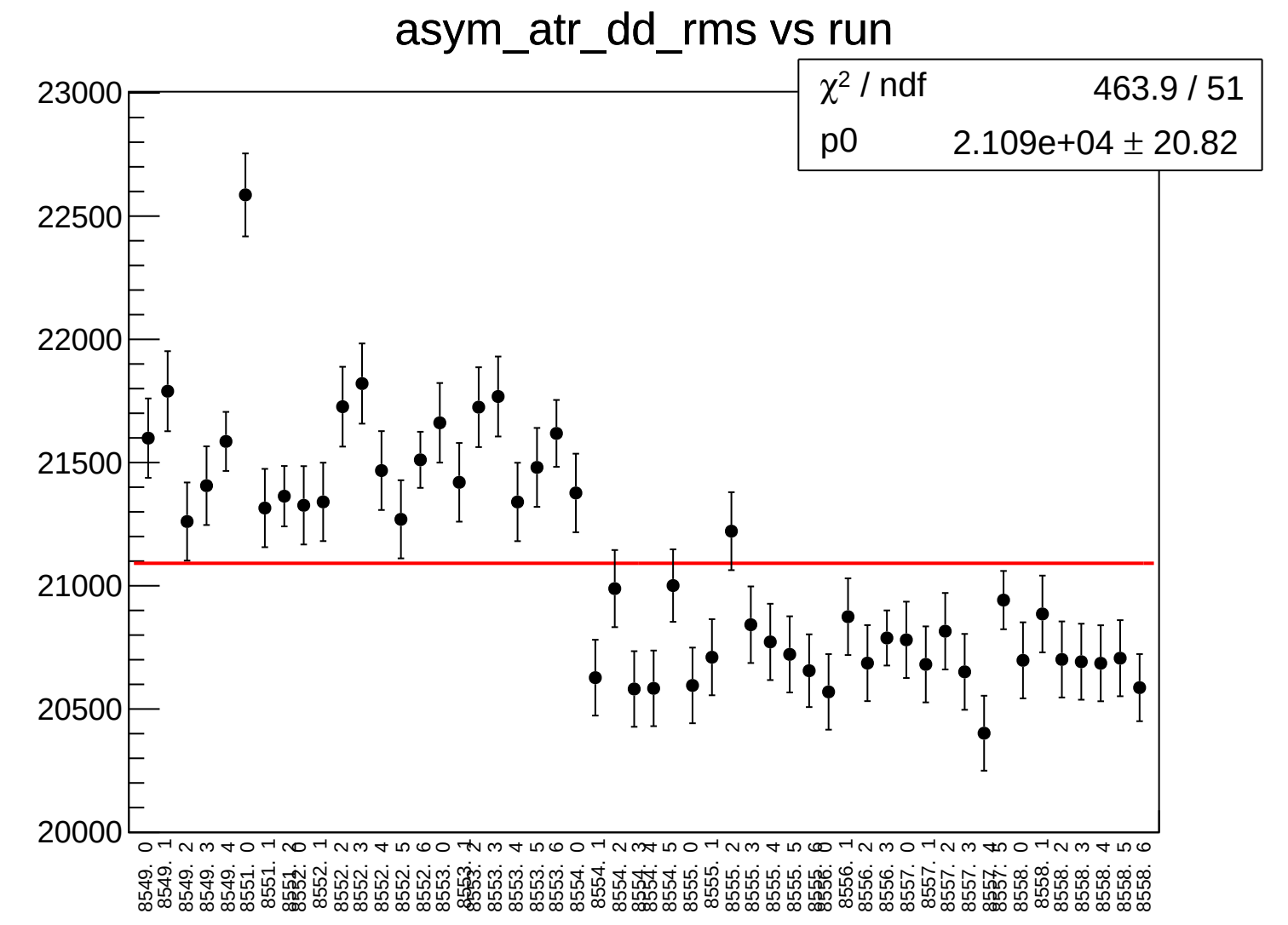
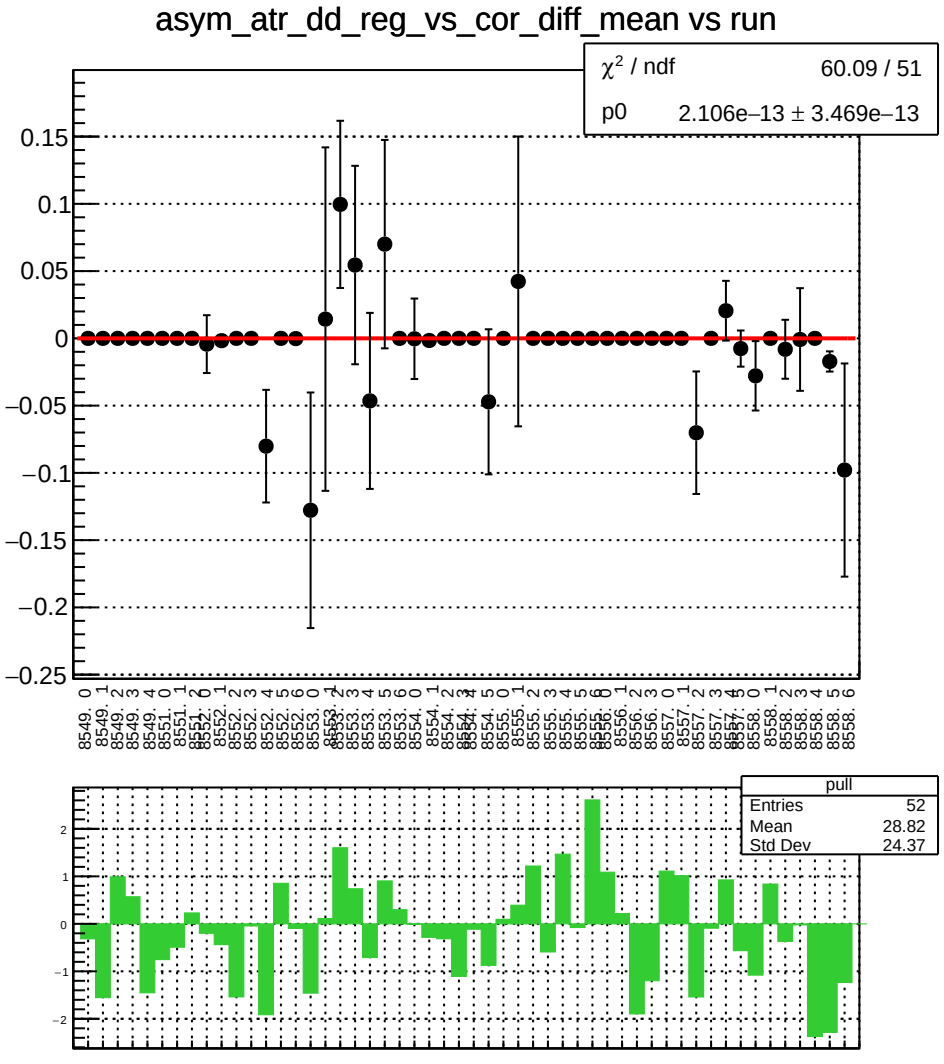
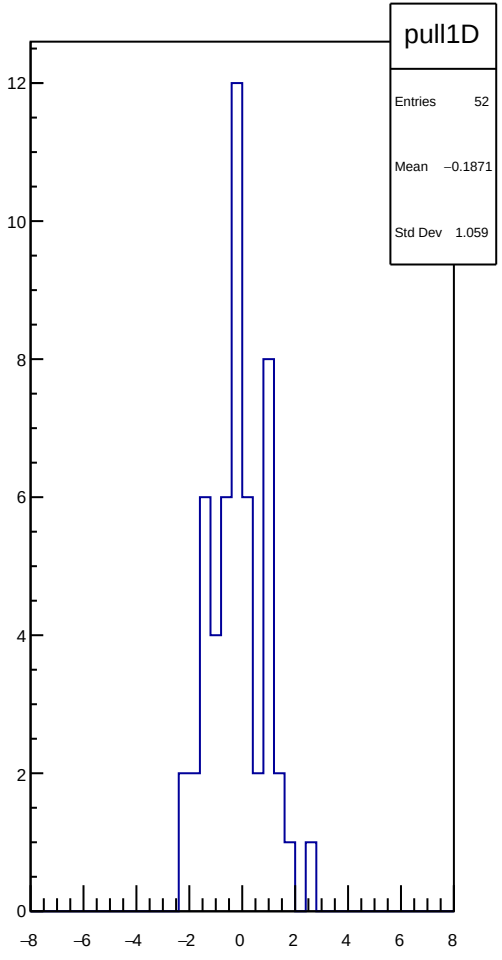
8558. 5
8558. 6

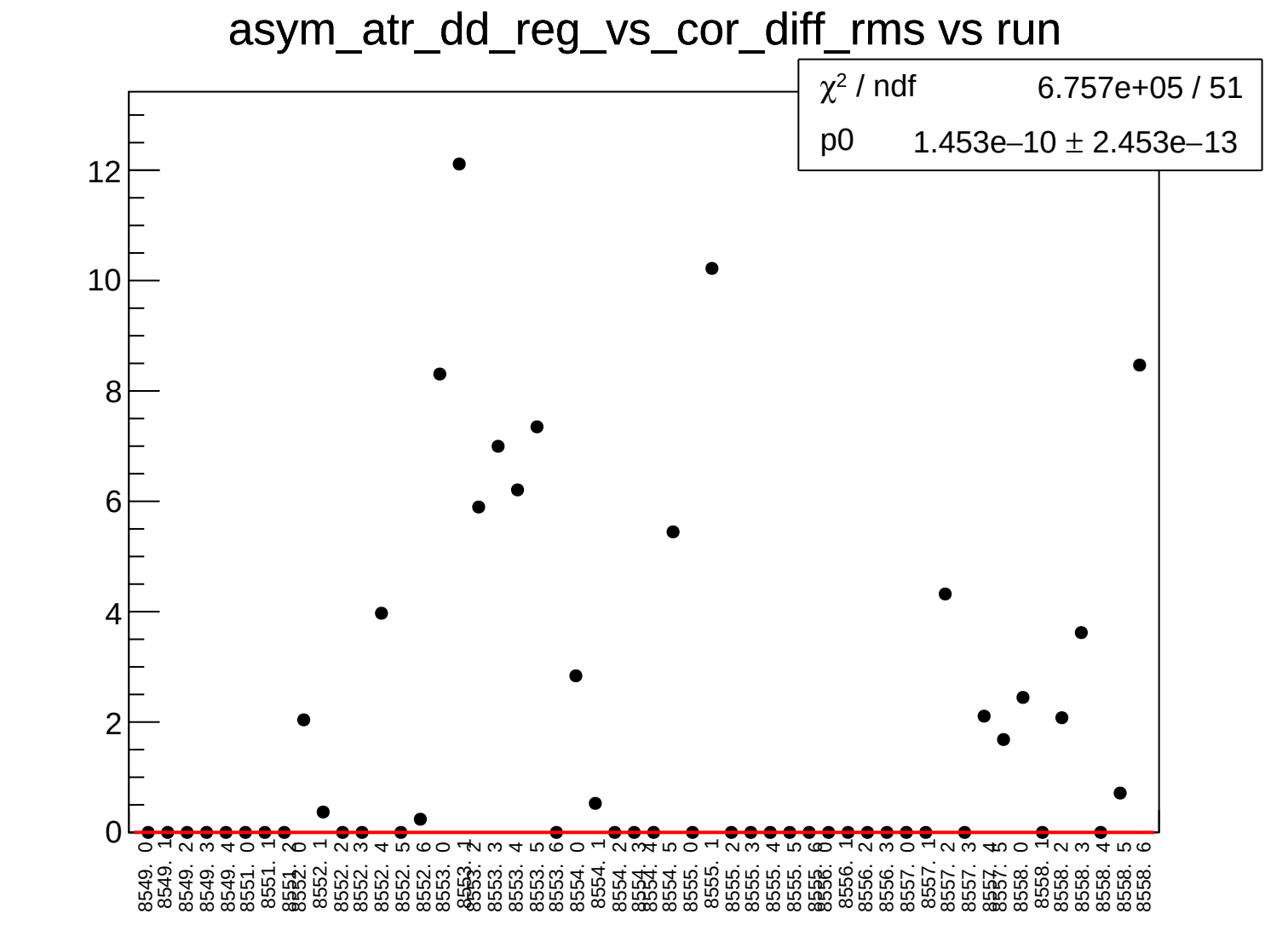

asym_atr_dd_mean vs run
×10^3
χ² / ndf 40.73 / 51
p0 −1.24e+04 ± 2.944e+04
pull
Entries 52
Mean 751.5
Std Dev 0

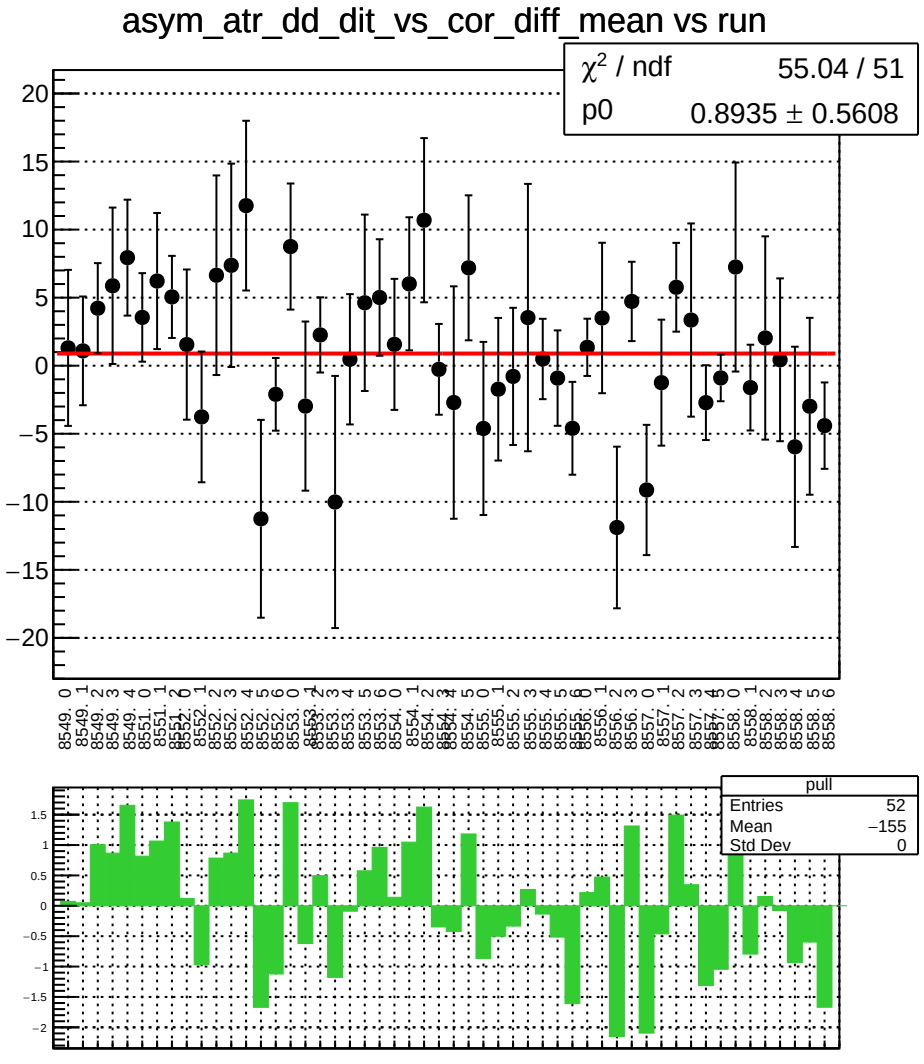

pull1D
Entries 52
Mean −0.003788
Std Dev 0.885

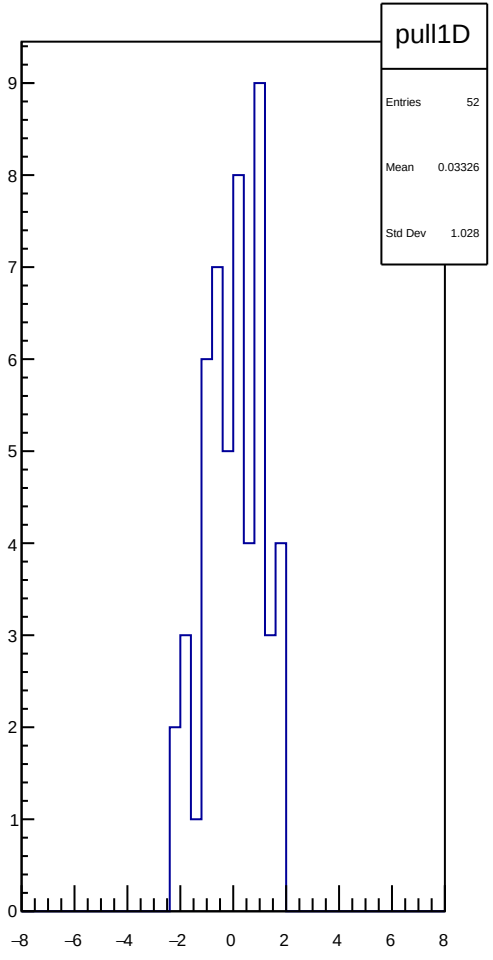

asym_atr_dd_rms vs run
χ² / ndf 463.9 / 51
p0 2.109e+04 ± 20.82
23000
22500
22000
21500
21000
20500
20000
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

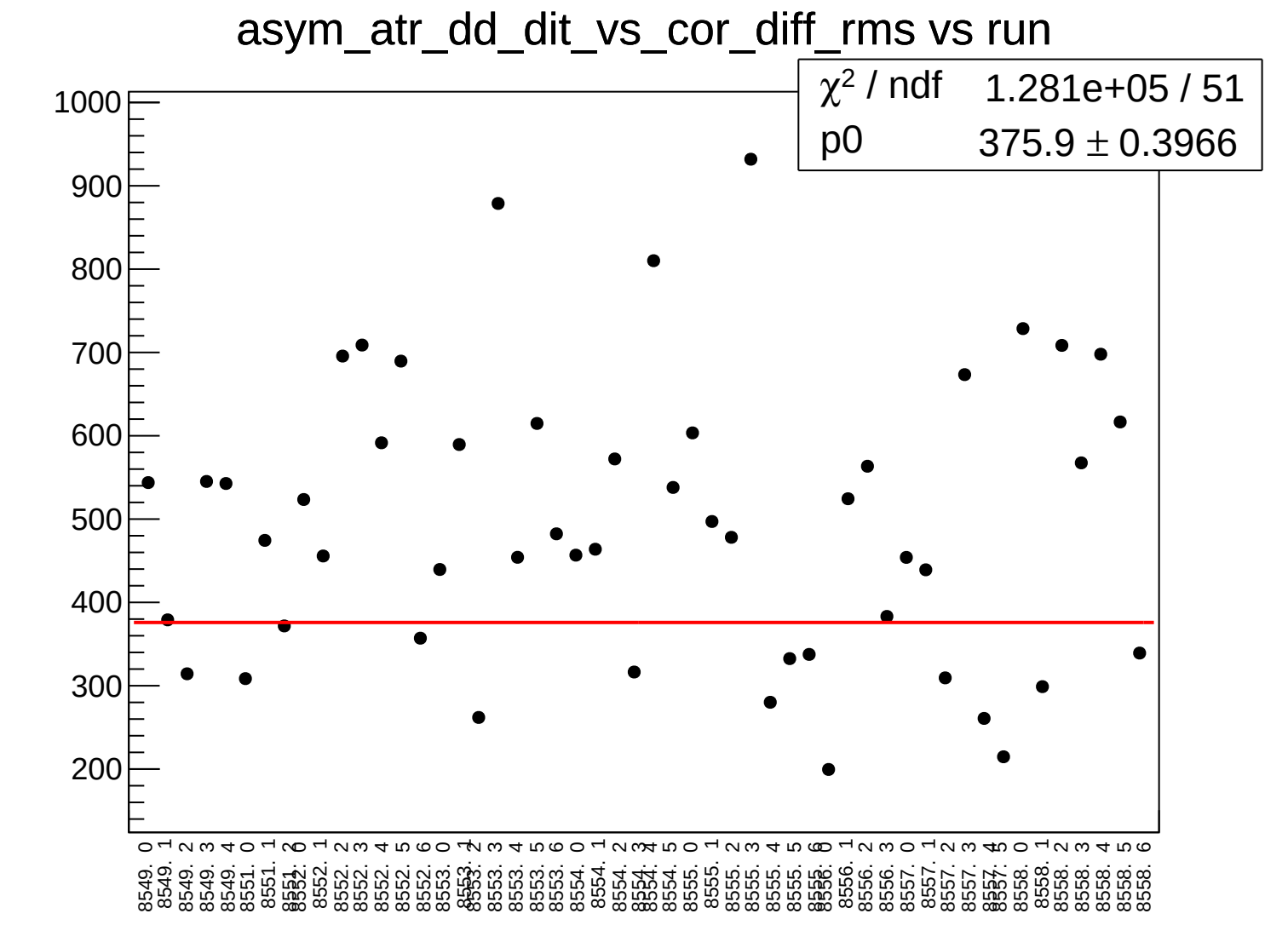

asym_atr_dd_reg_vs_cor_diff_mean vs run
χ² / ndf 60.09 / 51
p0 2.106e−13 ± 3.469e−13
pull
Entries 52
Mean 28.82
Std Dev 24.37

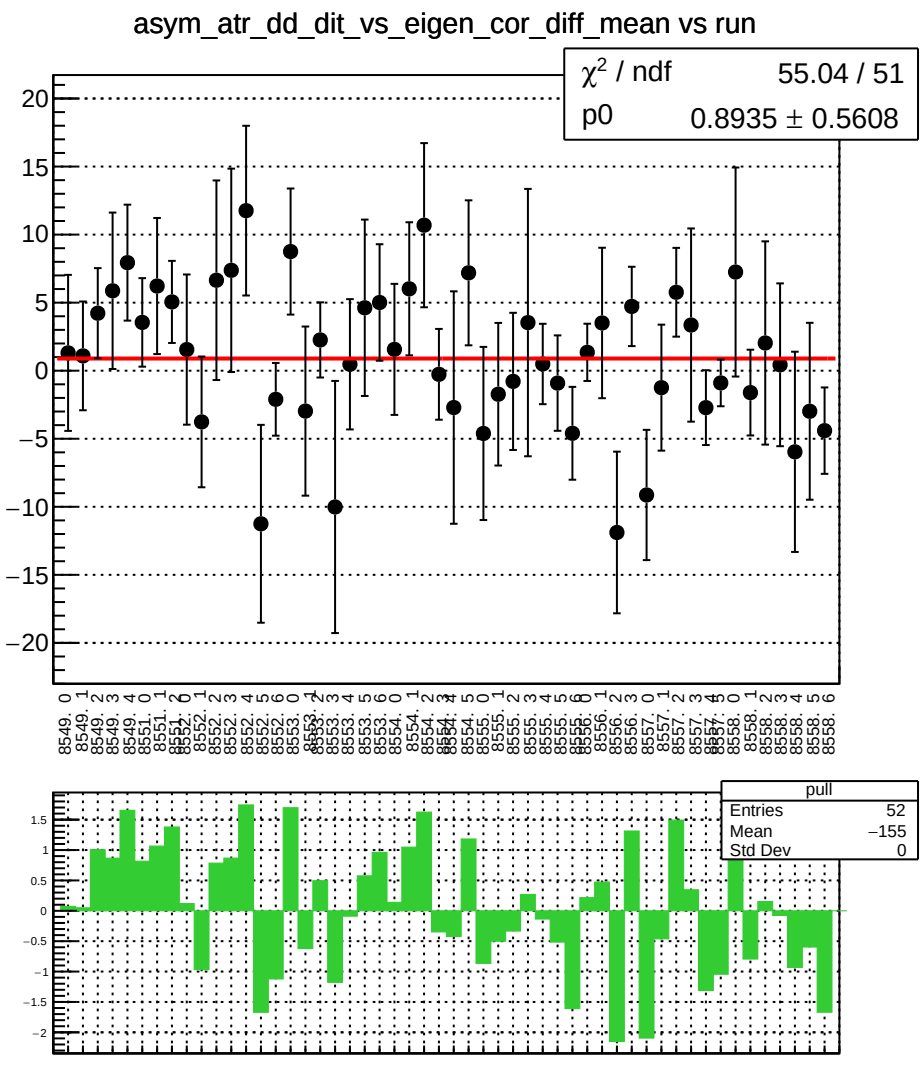

pull1D
Entries 52
Mean −0.1871
Std Dev 1.059

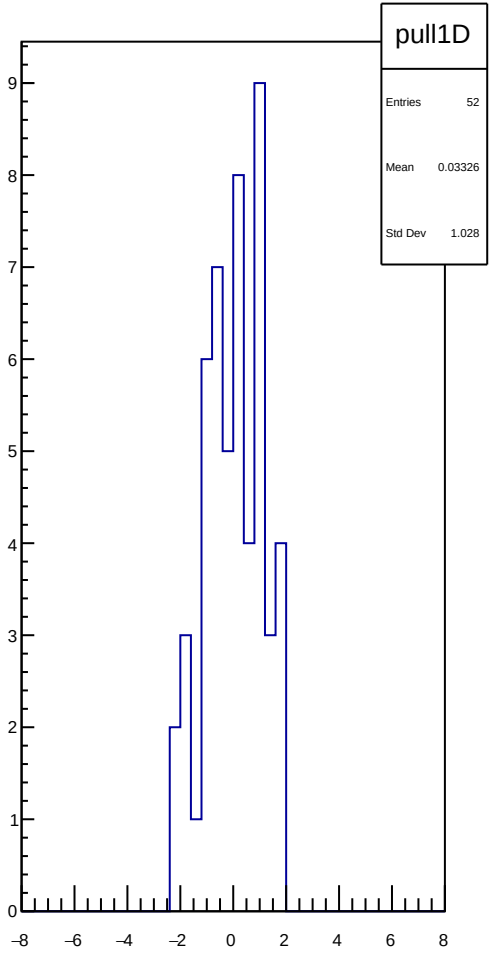

asym_atr_dd_reg_vs_cor_diff_rms vs run
χ² / ndf 6.757e+05 / 51
p0 1.453e−10 ± 2.453e−13
0
2
4
6
8
10
12
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 0
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 1
8553. 2
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 3
8554. 4
8554. 5
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8555. 6
8556. 0
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8557. 4
8557. 5
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

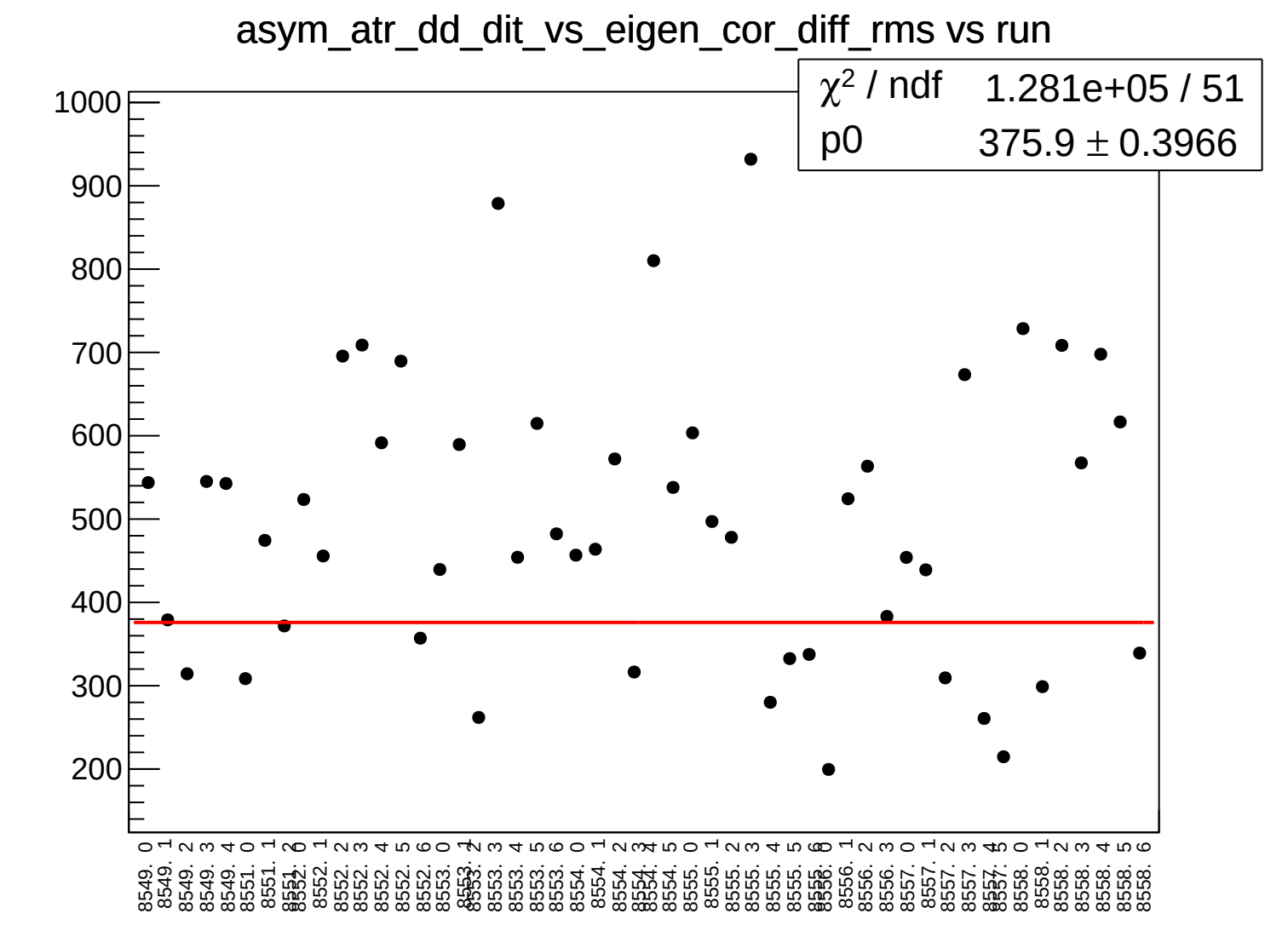

asym_atr_dd_dit_vs_cor_diff_mean vs run
χ² / ndf 55.04 / 51
p0 0.8935 ± 0.5608
pull
Entries 52
Mean −155
Std Dev 0

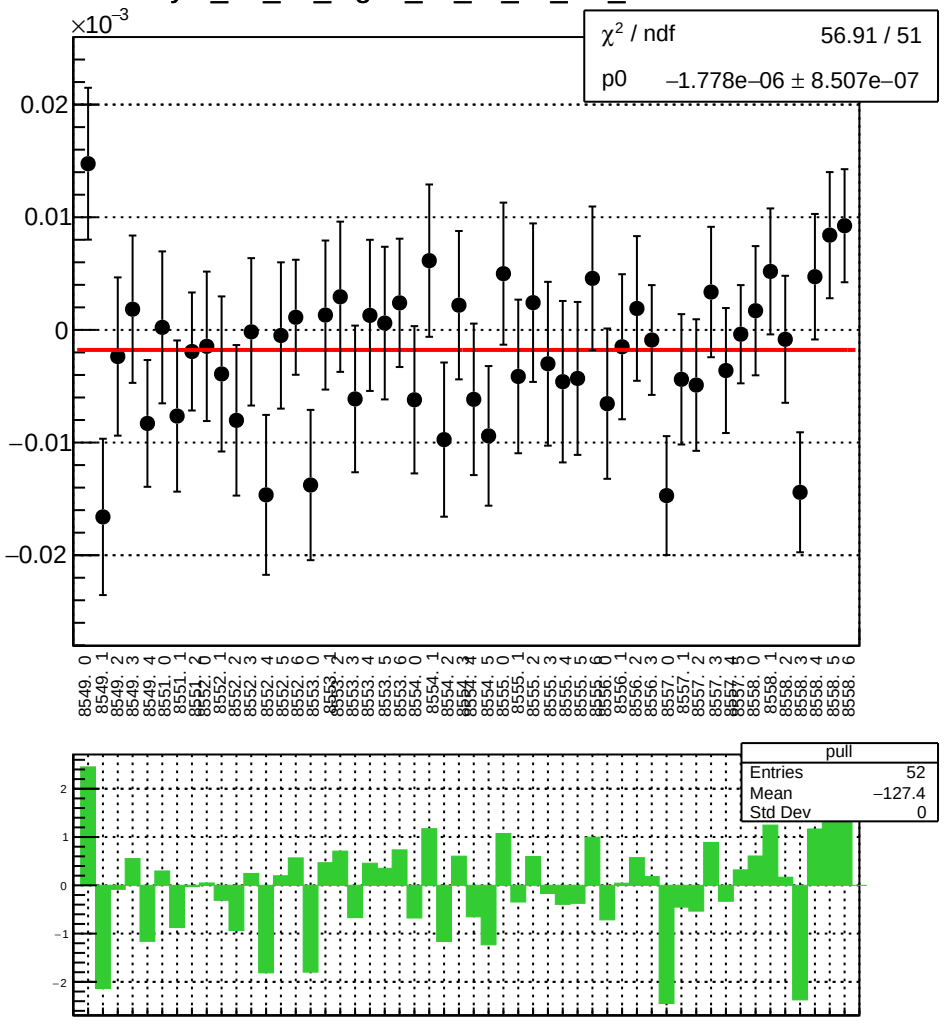

pull1D
Entries 52
Mean 0.03326
Std Dev 1.028

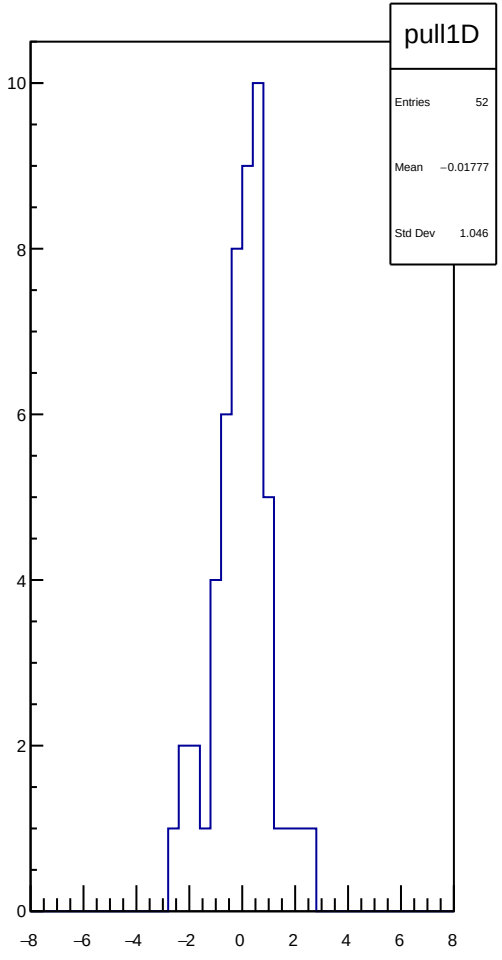

asym_atr_dd_dit_vs_cor_diff_rms vs run
χ² / ndf 1.281e+05 / 51
p0 375.9 ± 0.3966
1000
900
800
700
600
500
400
300
200
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 5
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

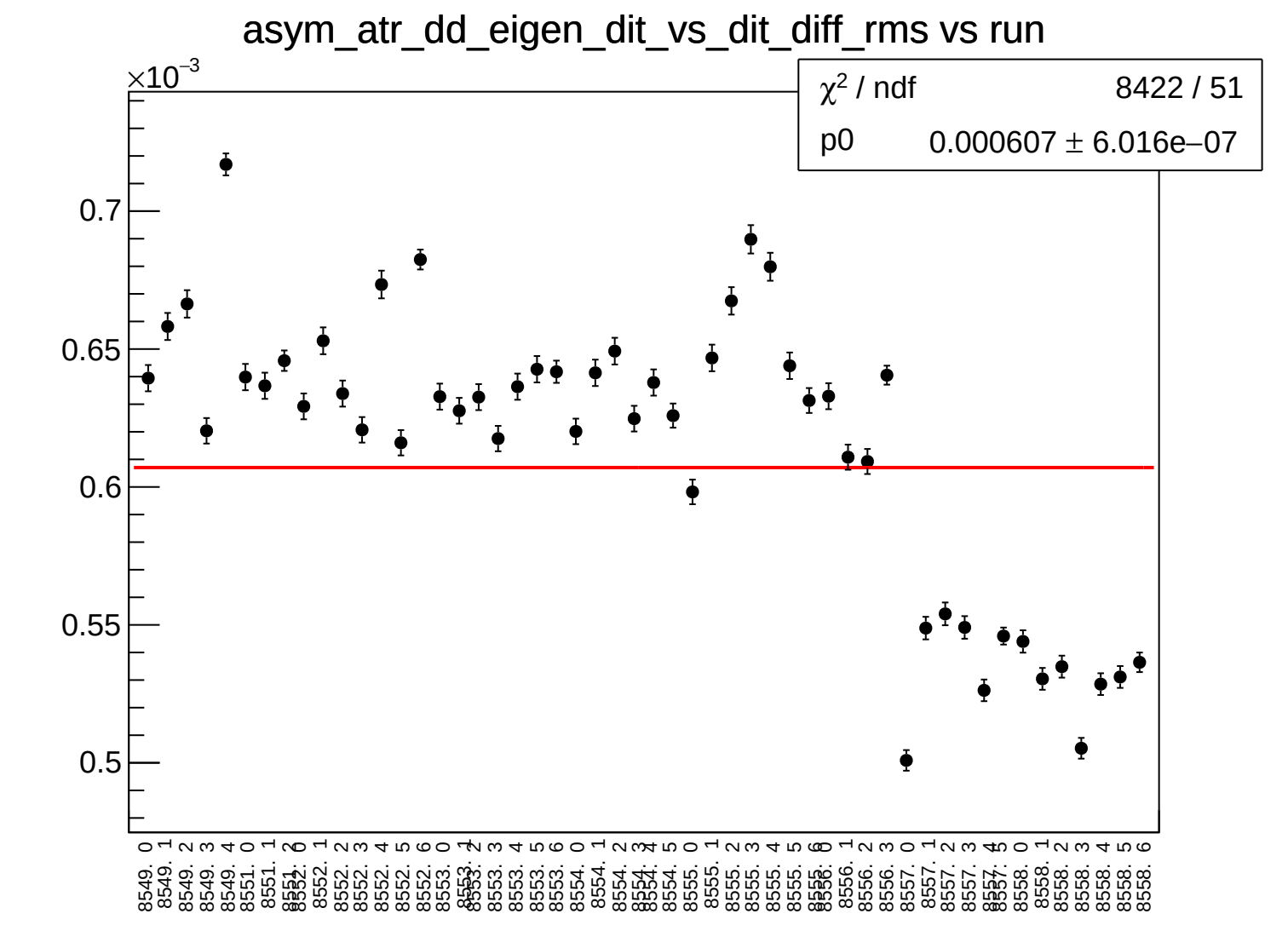

asym_atr_dd_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 55.04 / 51
p0 0.8935 ± 0.5608
pull
Entries 52
Mean −155
Std Dev 0

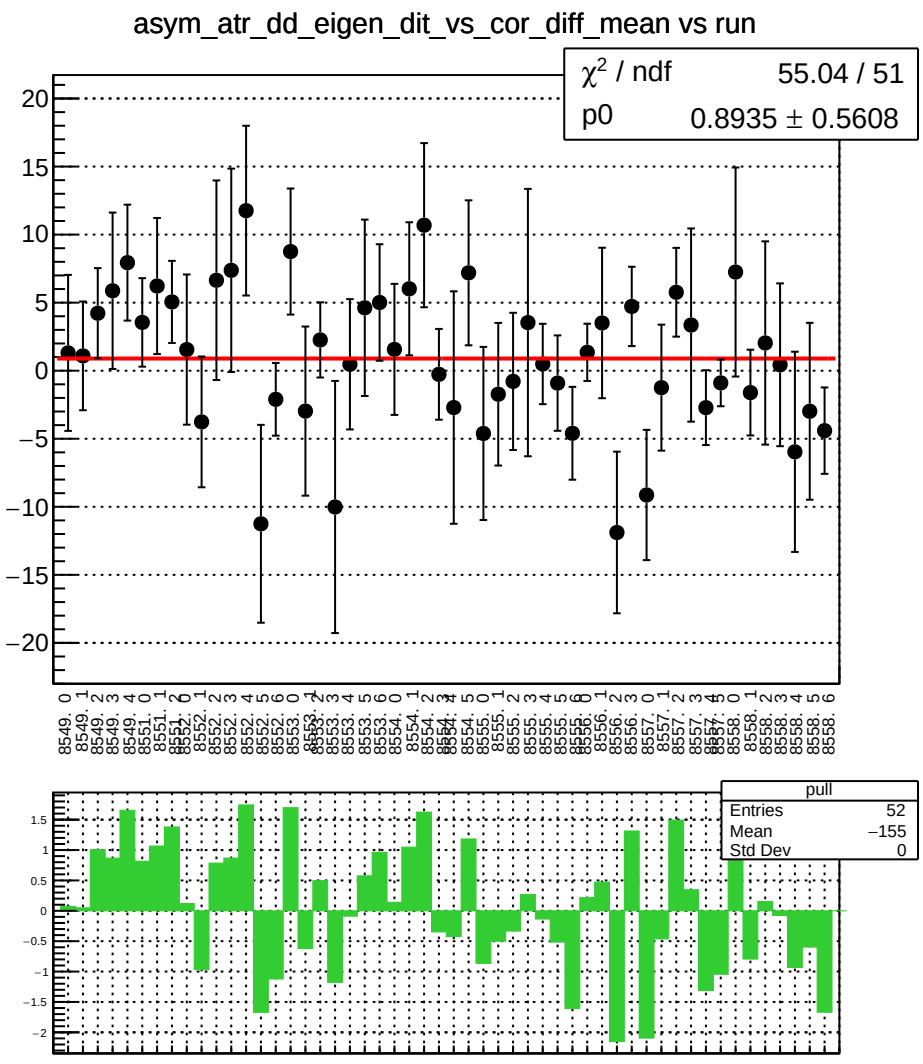

pull1D
Entries 52
Mean 0.03326
Std Dev 1.028

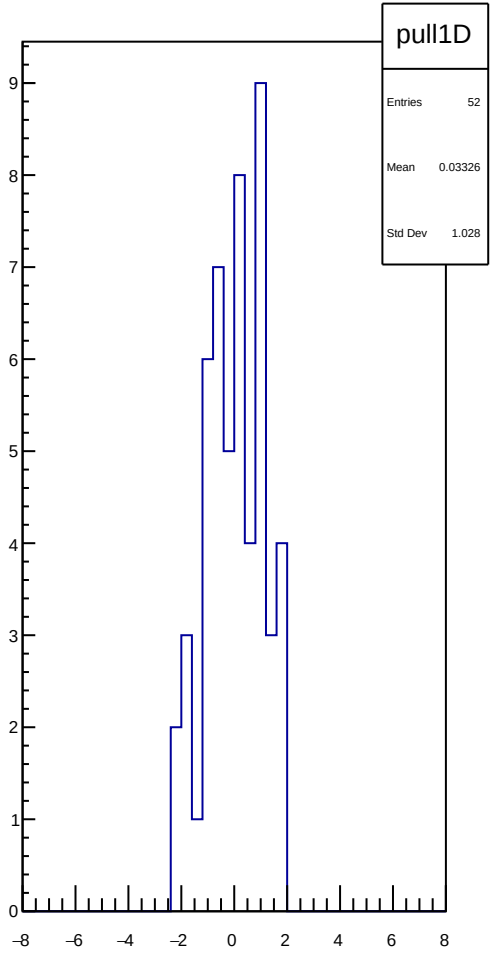

asym_atr_dd_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.281e+05 / 51
p0 375.9 ± 0.3966
1000
900
800
700
600
500
400
300
200
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 5
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

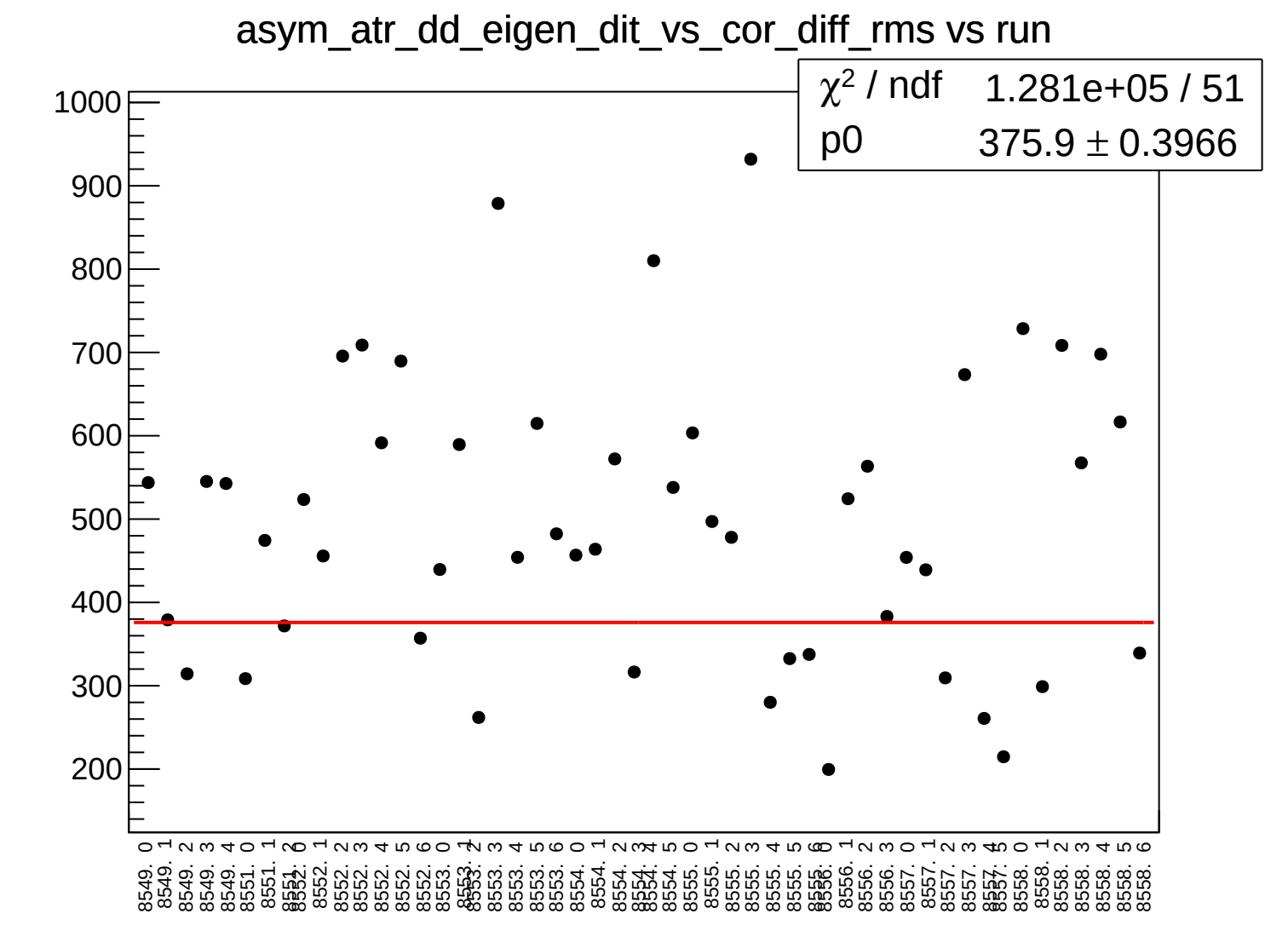

asym_atr_dd_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 56.91 / 51
p0 −1.778e−06 ± 8.507e−07
0.02
0.01
0
−0.01
−0.02
pull
Entries 52
Mean −127.4
Std Dev 0
2
1
0
−1
−2

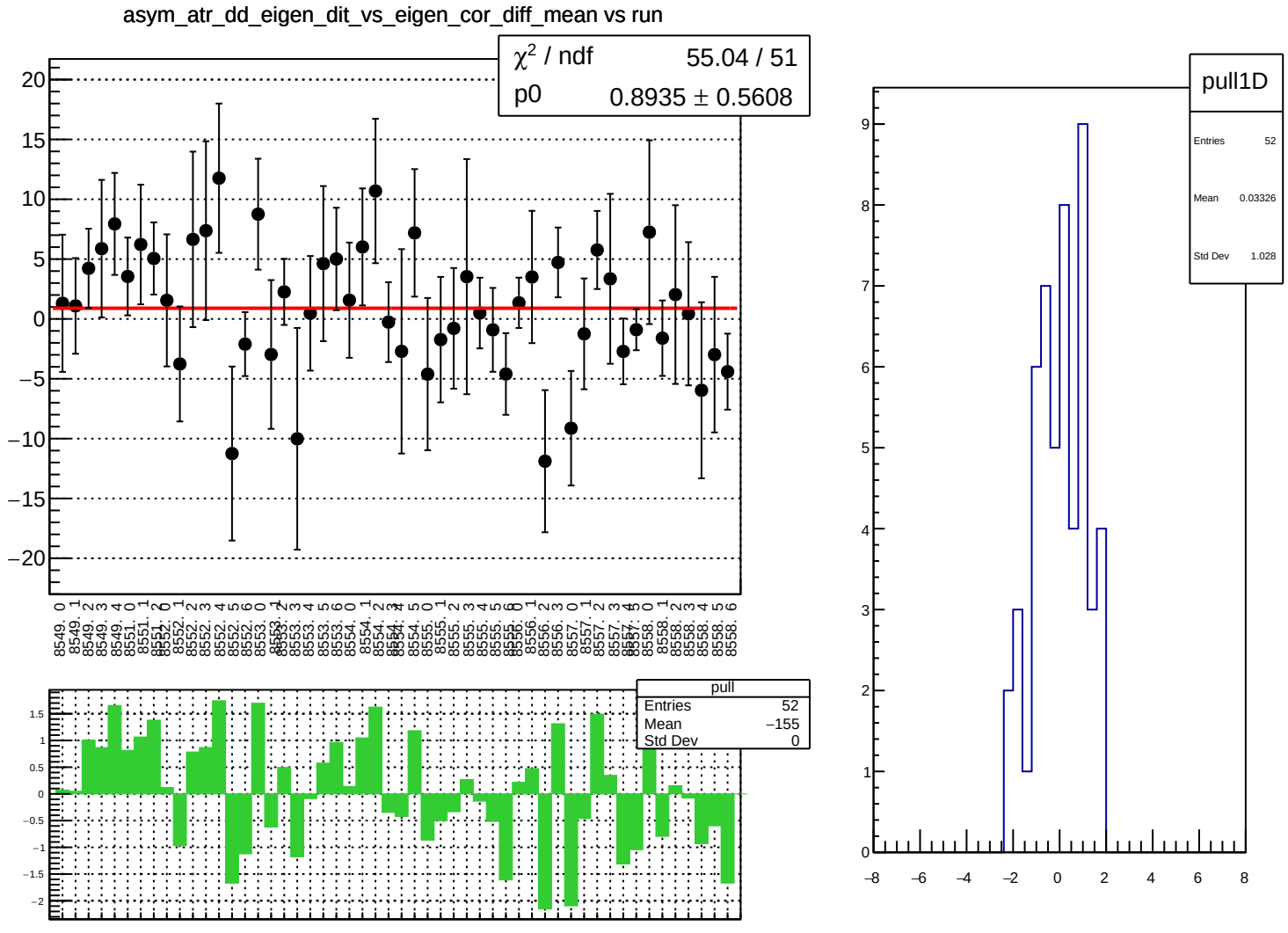

pull1D
Entries 52
Mean −0.01777
Std Dev 1.046
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

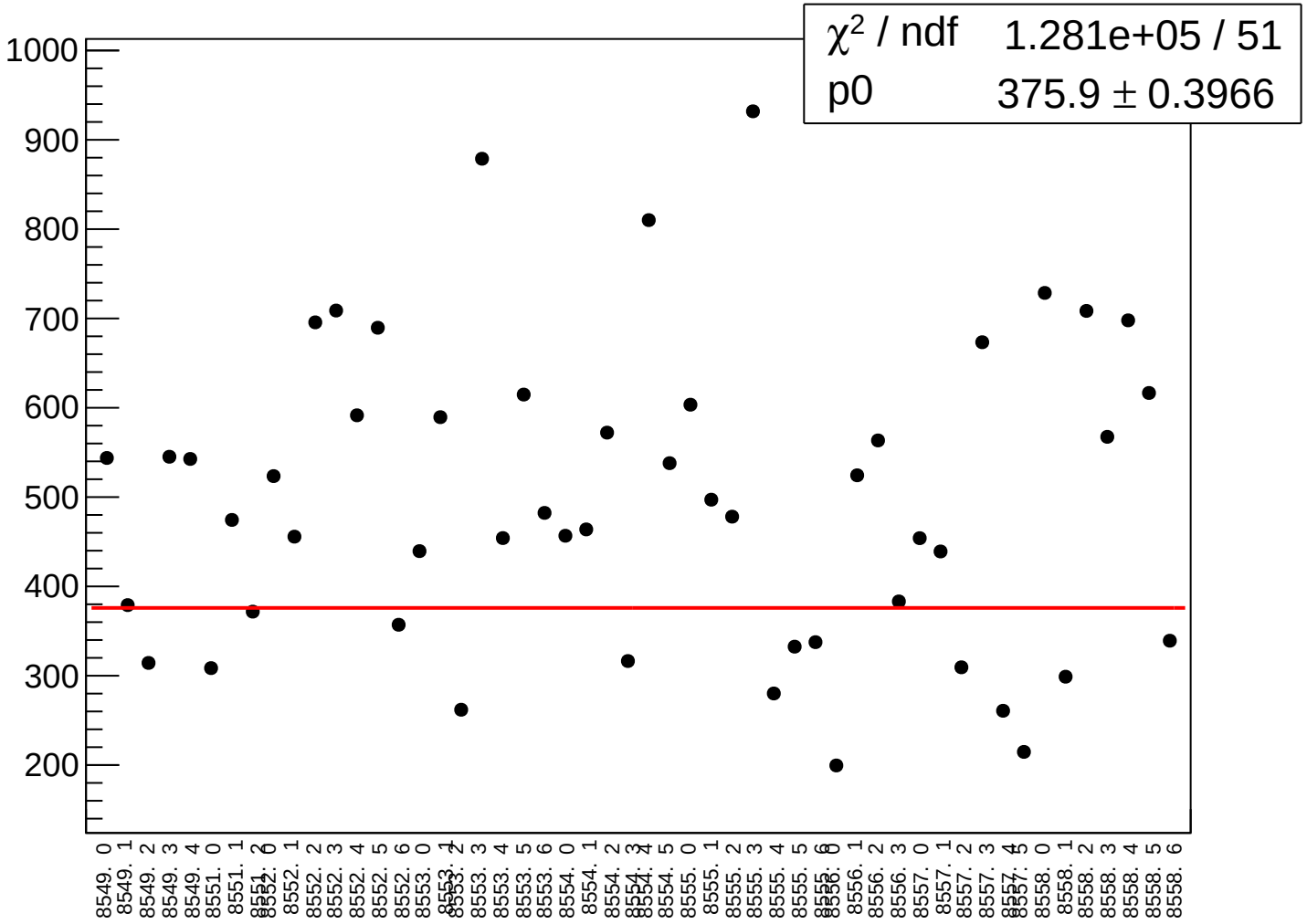

asym_atr_dd_eigen_dit_vs_dit_diff_rms vs run
×10⁻³
χ² / ndf 8422 / 51
p0 0.000607 ± 6.016e−07
0.7
0.65
0.6
0.55
0.5

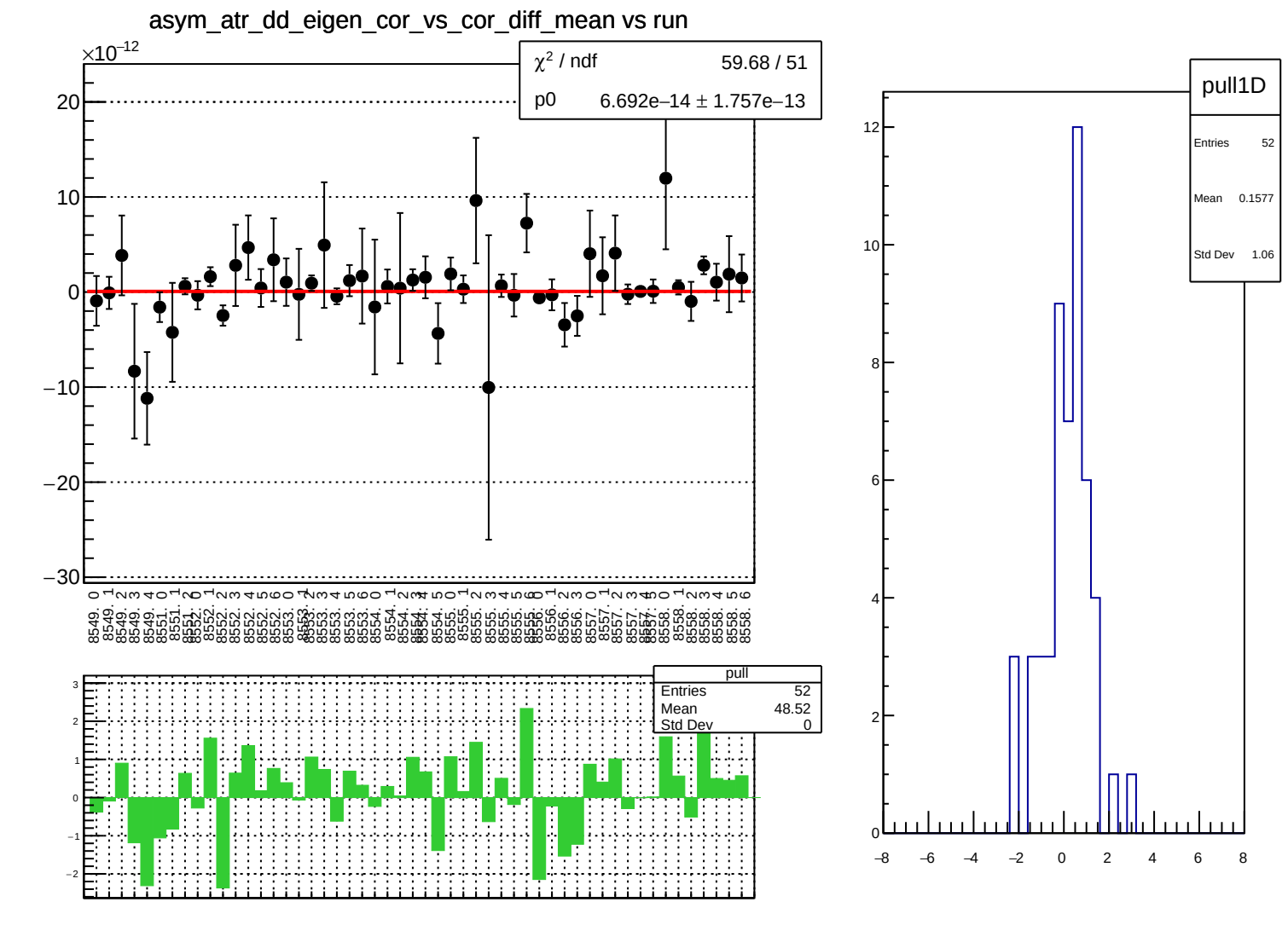

asym_atr_dd_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 55.04 / 51
p0 0.8935 ± 0.5608
pull
Entries 52
Mean −155
Std Dev 0

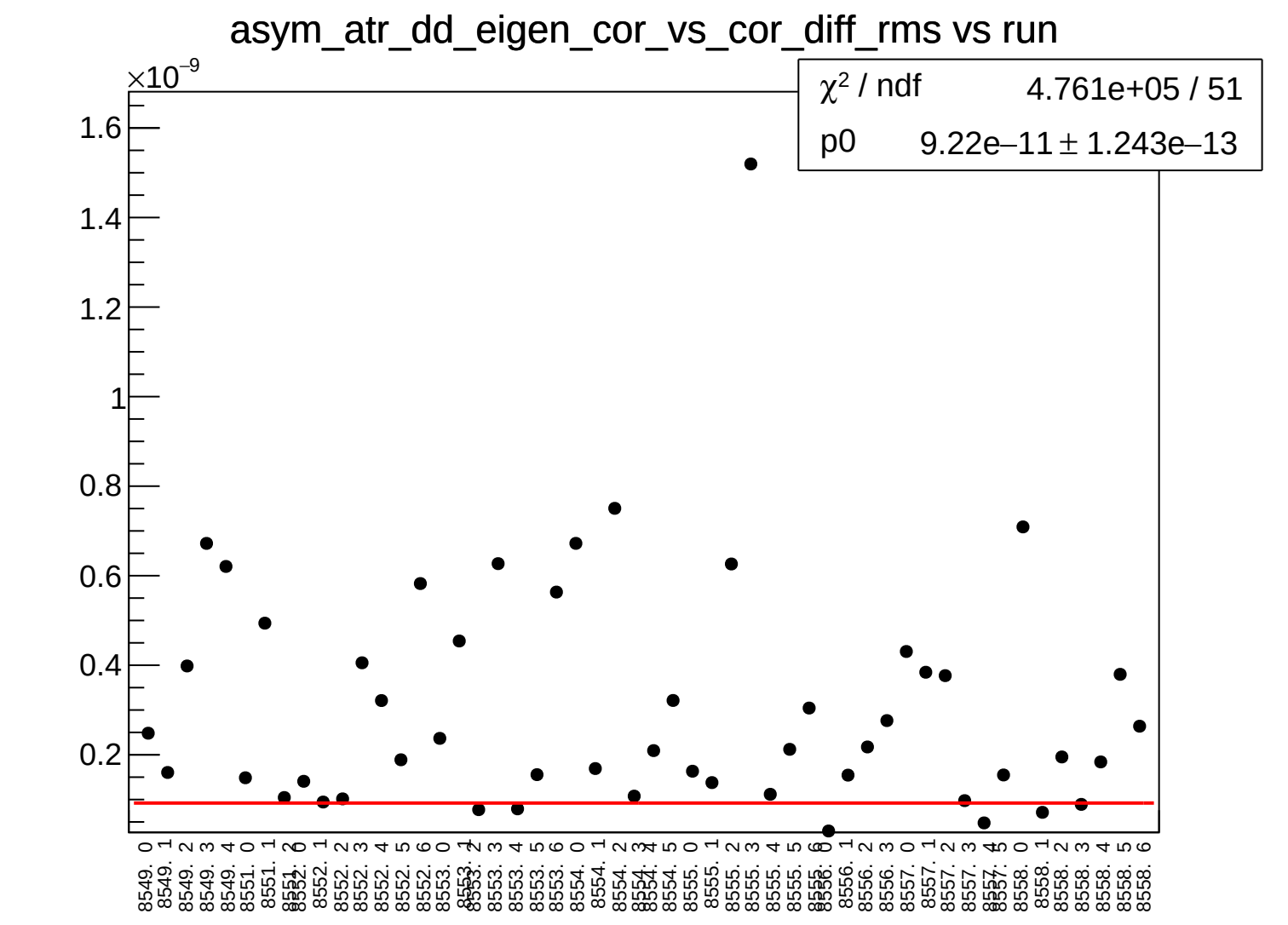

pull1D
Entries 52
Mean 0.03326
Std Dev 1.028

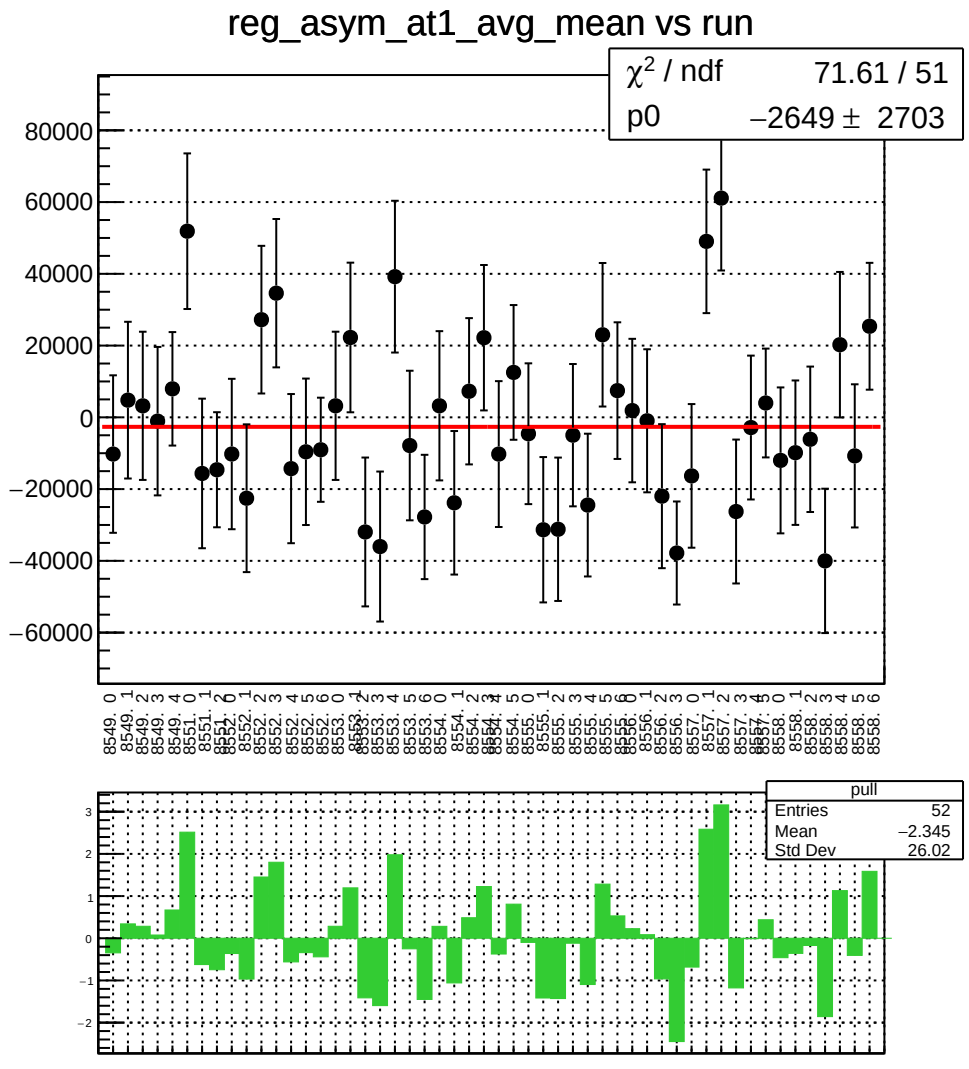

asym_atr_dd_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 1.281e+05 / 51
p0 375.9 ± 0.3966
1000
900
800
700
600
500
400
300
200
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 5
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

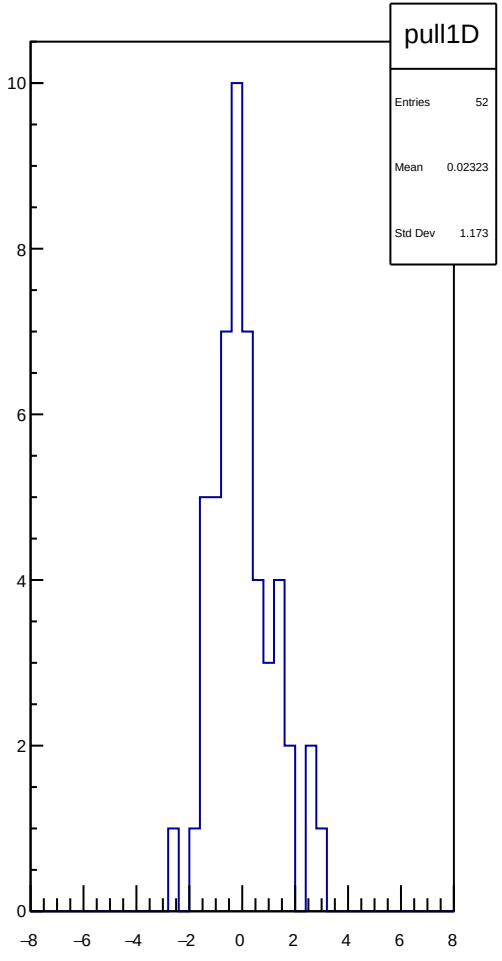

asym_atr_dd_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 55.04 / 51
p0 0.8935 ± 0.5608
pull
Entries 52
Mean −155
Std Dev 0
pull1D
Entries 52
Mean 0.03326
Std Dev 1.028

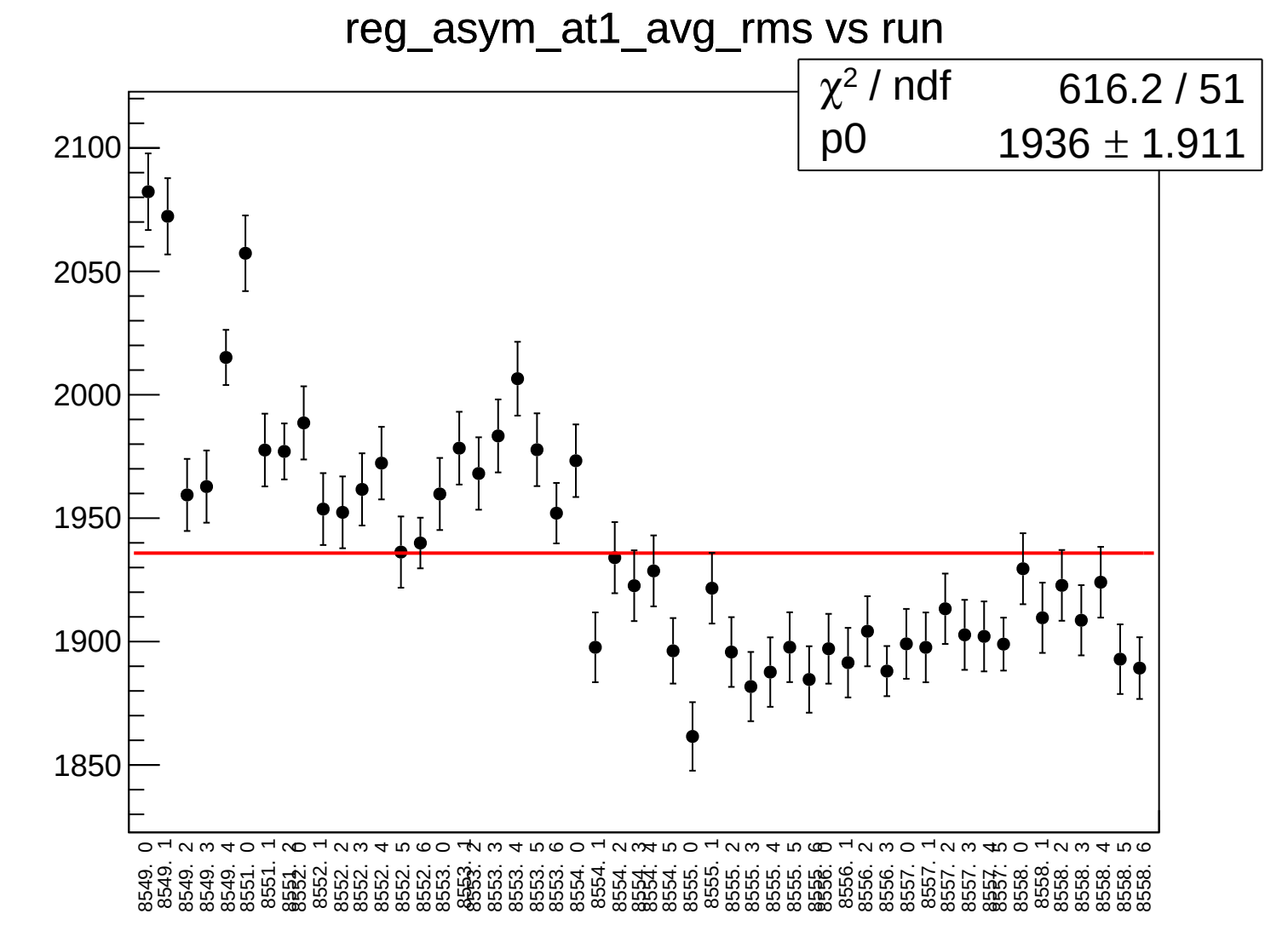

asym_atr_dd_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.281e+05 / 51
p0 375.9 ± 0.3966
1000
900
800
700
600
500
400
300
200
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

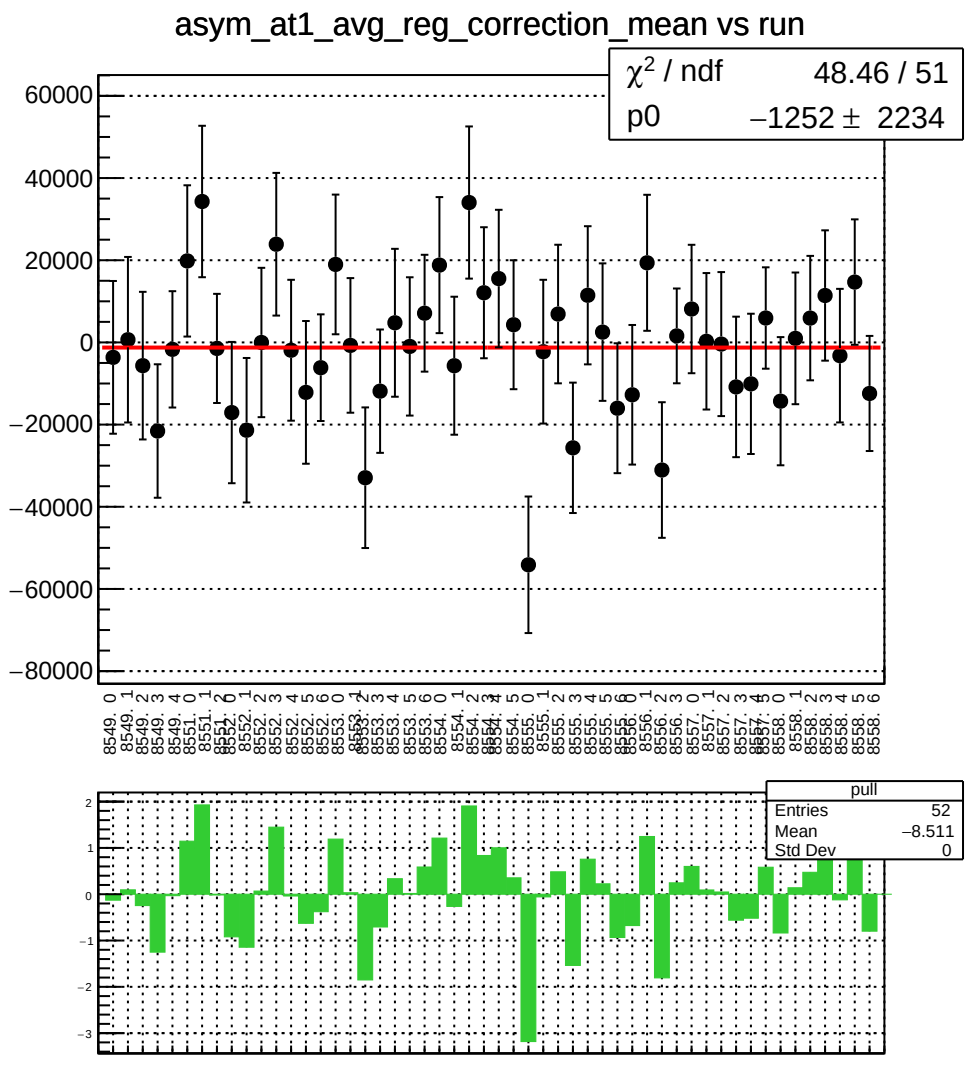

asym_atr_dd_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 59.68 / 51
p0 6.692e−14 ± 1.757e−13
pull
Entries 52
Mean 48.52
Std Dev 0
pull1D
Entries 52
Mean 0.1577
Std Dev 1.06

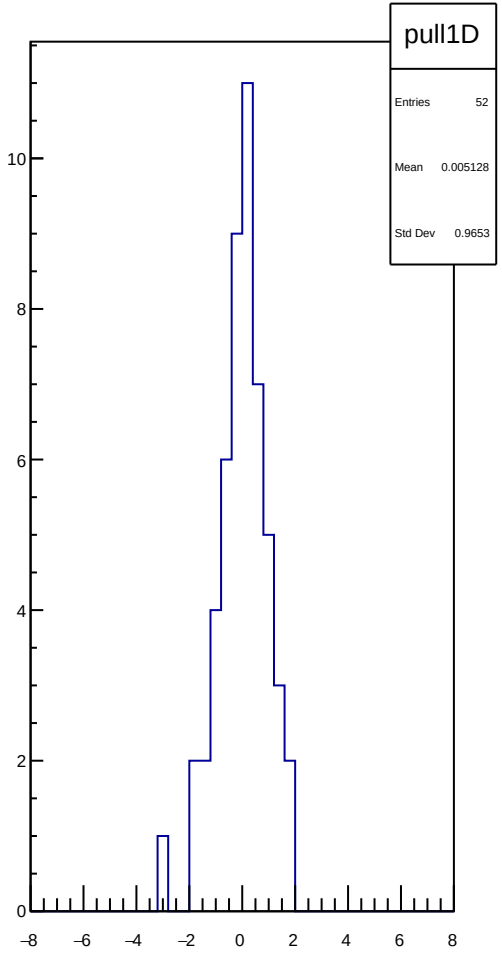

asym_atr_dd_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 4.761e+05 / 51
p0 9.22e−11 ± 1.243e−13
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

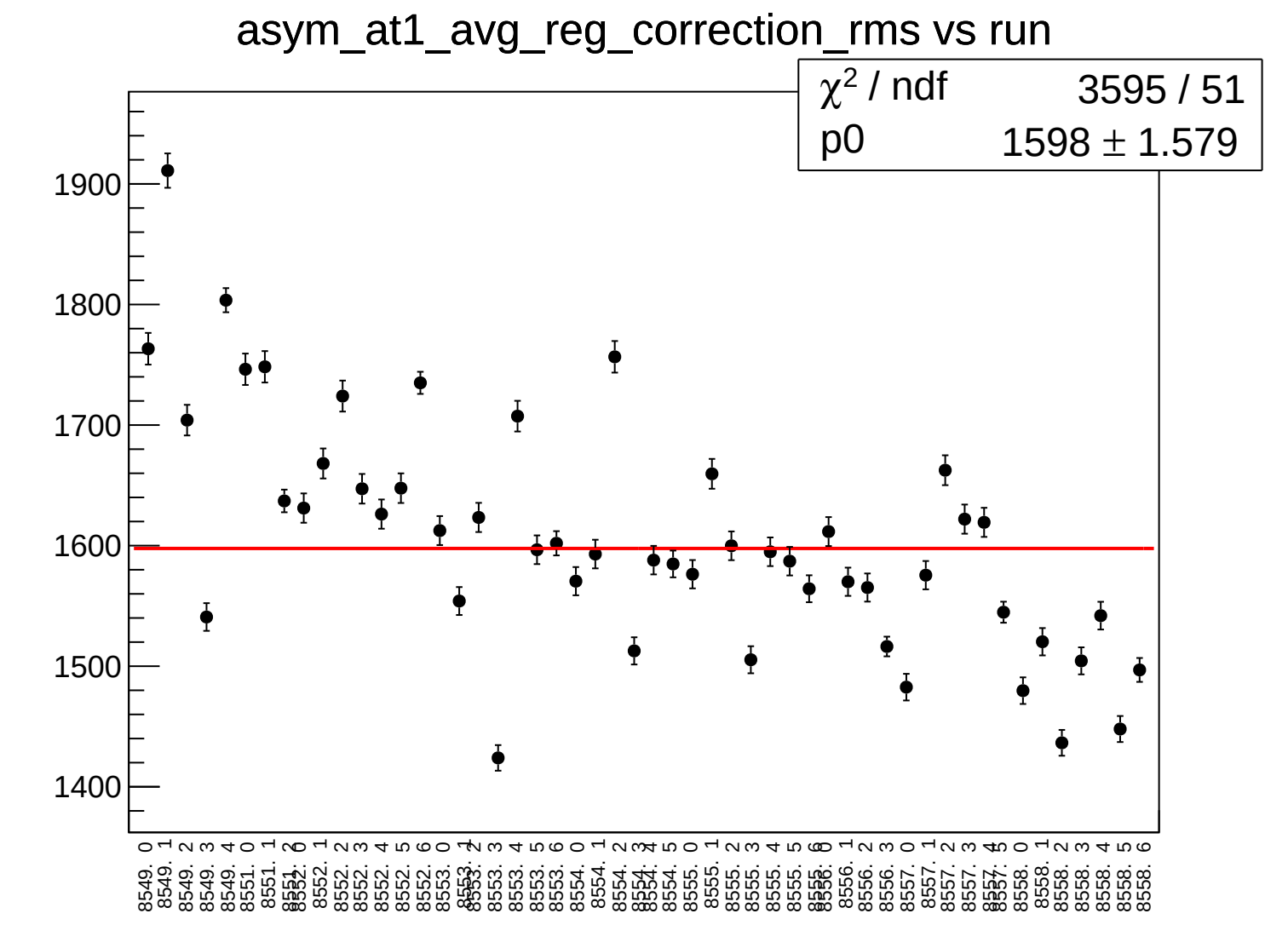

reg_asym_at1_avg_mean vs run
χ² / ndf 71.61 / 51
p0 −2649 ± 2703
pull
Entries 52
Mean −2.345
Std Dev 26.02

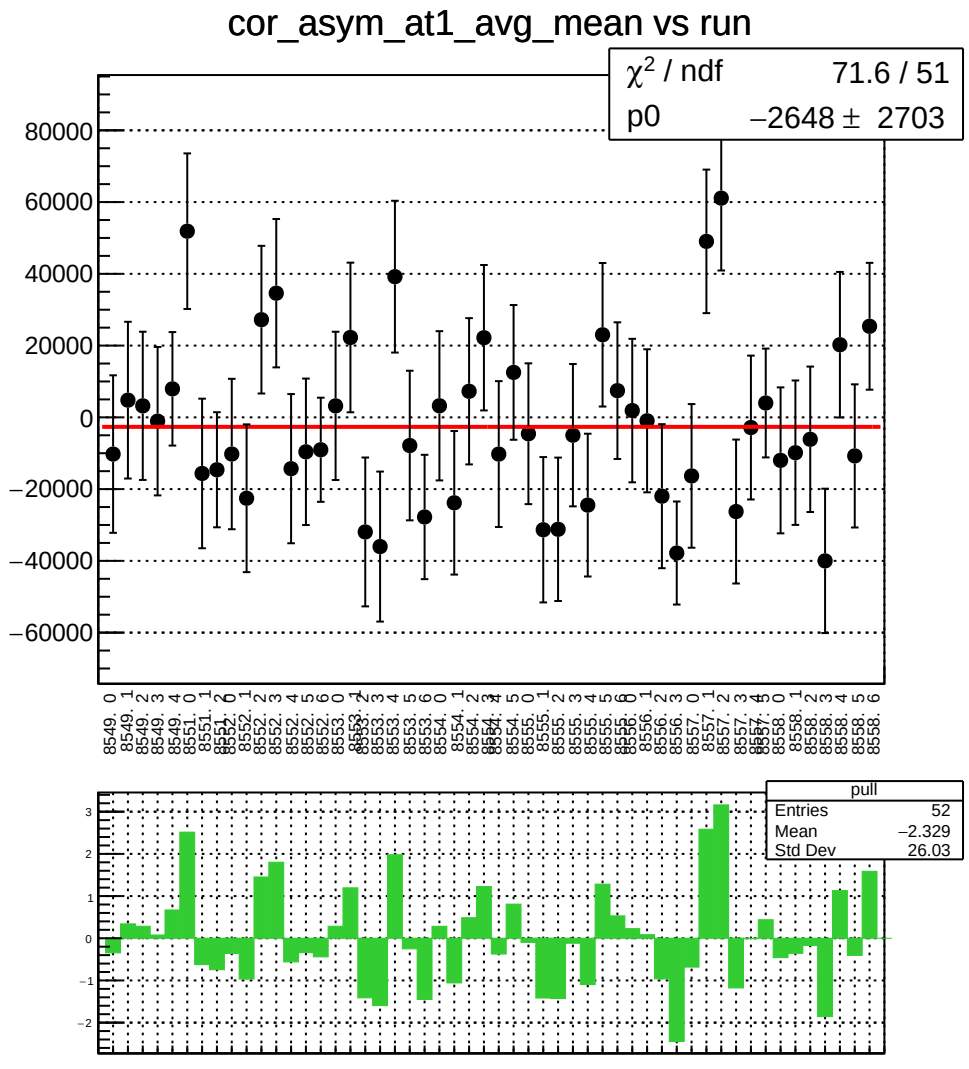

pull1D
Entries 52
Mean 0.02323
Std Dev 1.173

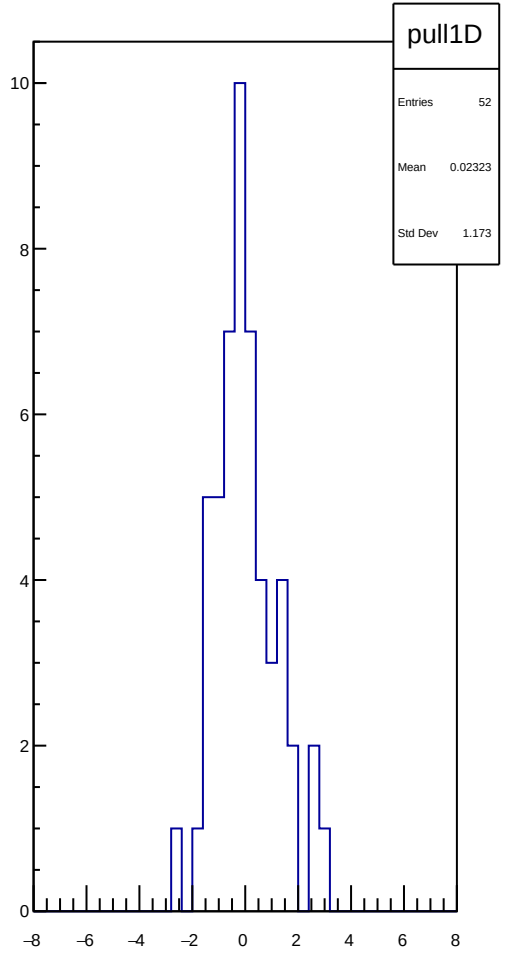

reg_asym_at1_avg_rms vs run
χ² / ndf 616.2 / 51
p0 1936 ± 1.911
2100
2050
2000
1950
1900
1850
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

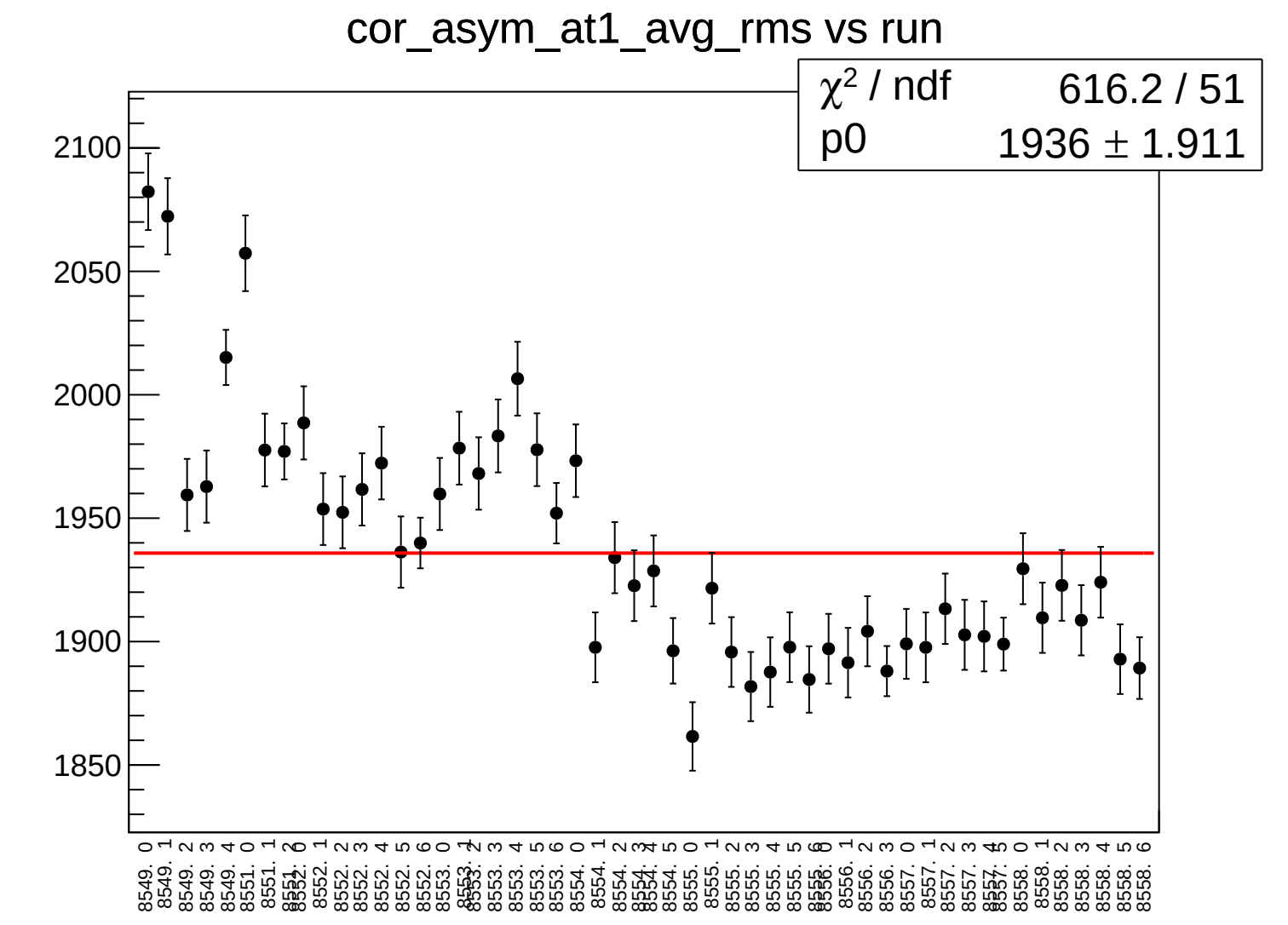

asym_at1_avg_reg_correction_mean vs run
χ² / ndf 48.46 / 51
p0 −1252 ± 2234
60000
40000
20000
0
−20000
−40000
−60000
−80000
pull
Entries 52
Mean −8.511
Std Dev 0

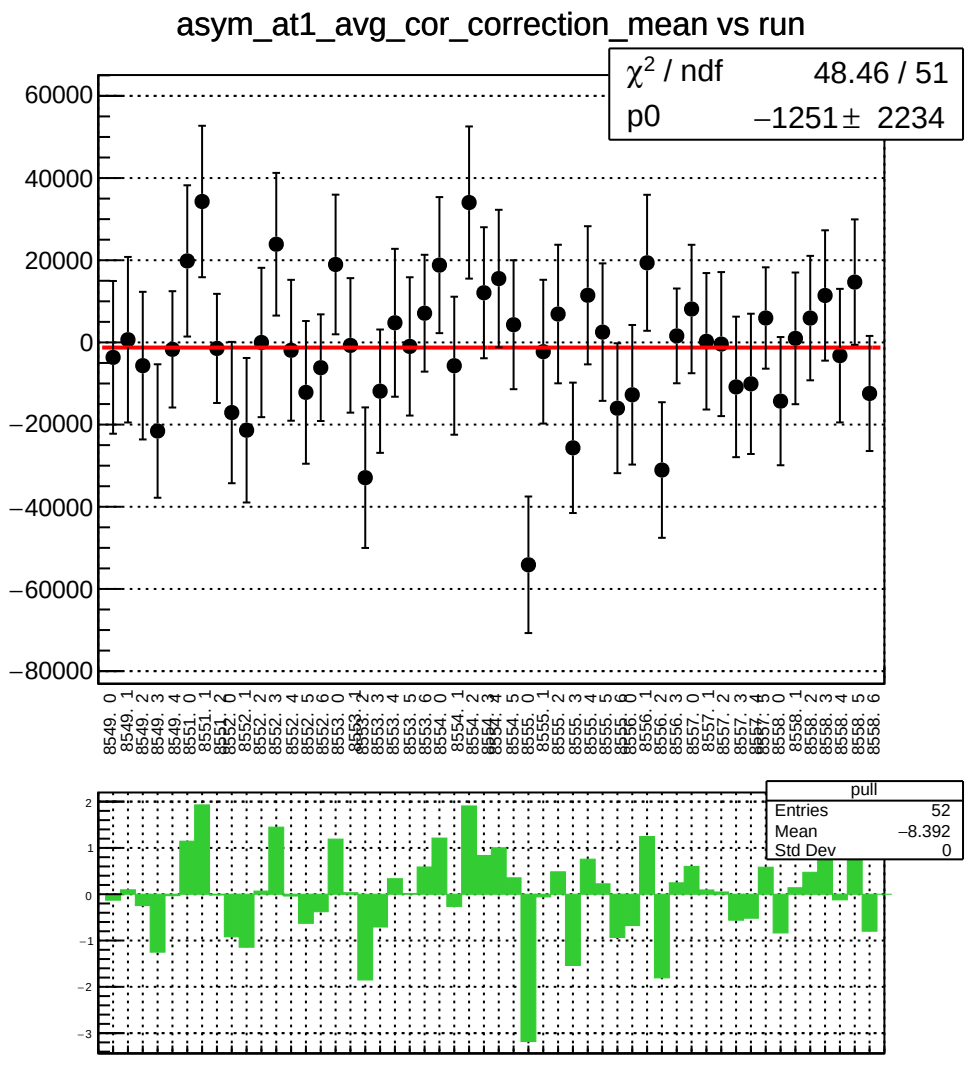

pull1D
Entries 52
Mean 0.005128
Std Dev 0.9653
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

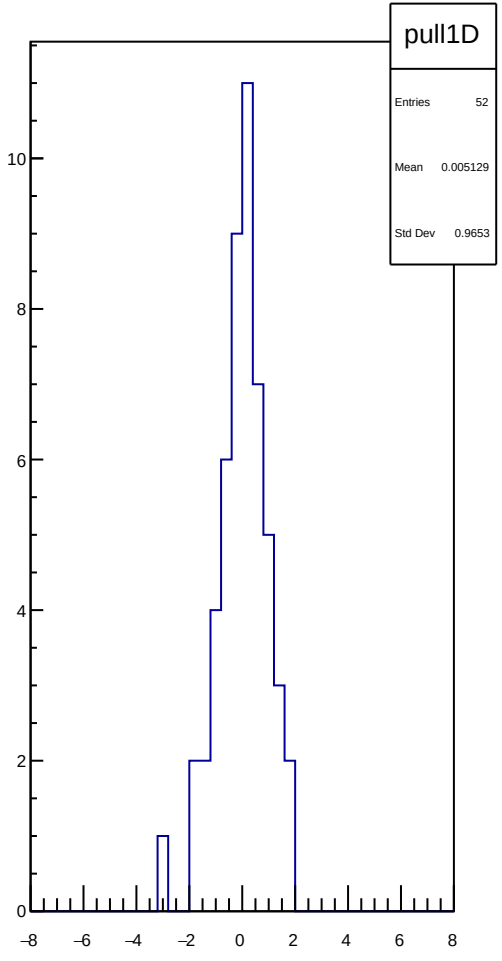

asym_at1_avg_reg_correction_rms vs run
χ² / ndf 3595 / 51
p0 1598 ± 1.579
1900
1800
1700
1600
1500
1400
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 5
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

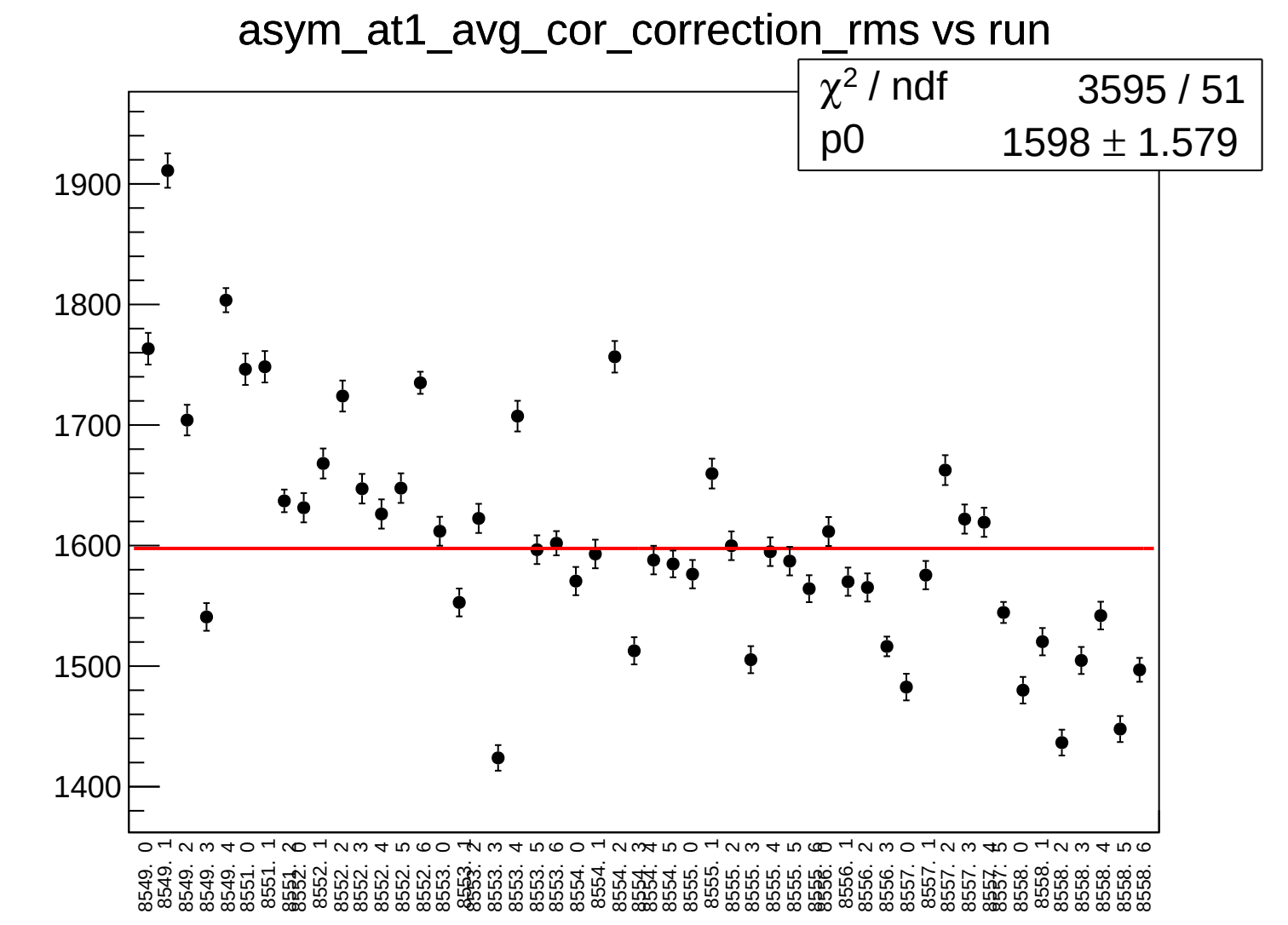

cor_asym_at1_avg_mean vs run
χ² / ndf 71.6 / 51
p0 −2648 ± 2703
80000
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 52
Mean −2.329
Std Dev 26.03
3
2
1
0
−1
−2

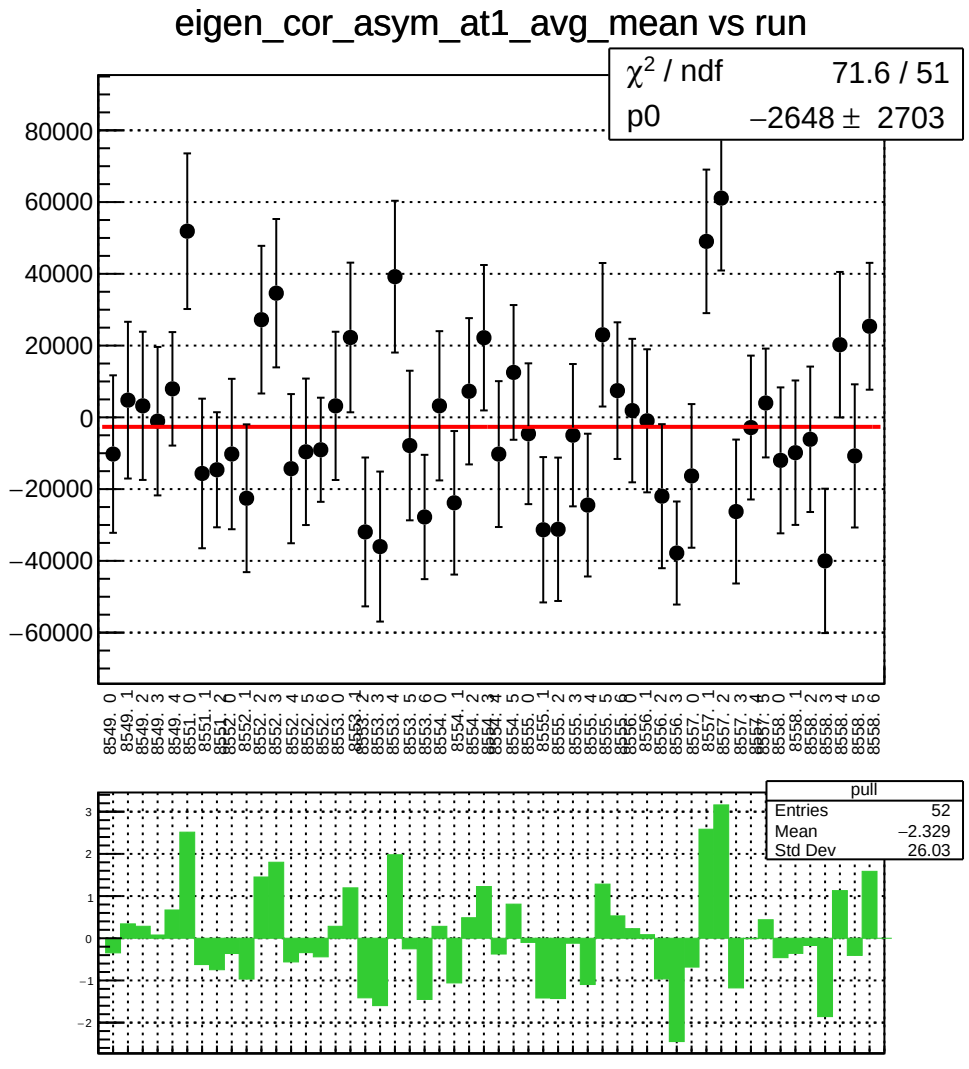

pull1D
Entries 52
Mean 0.02323
Std Dev 1.173
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

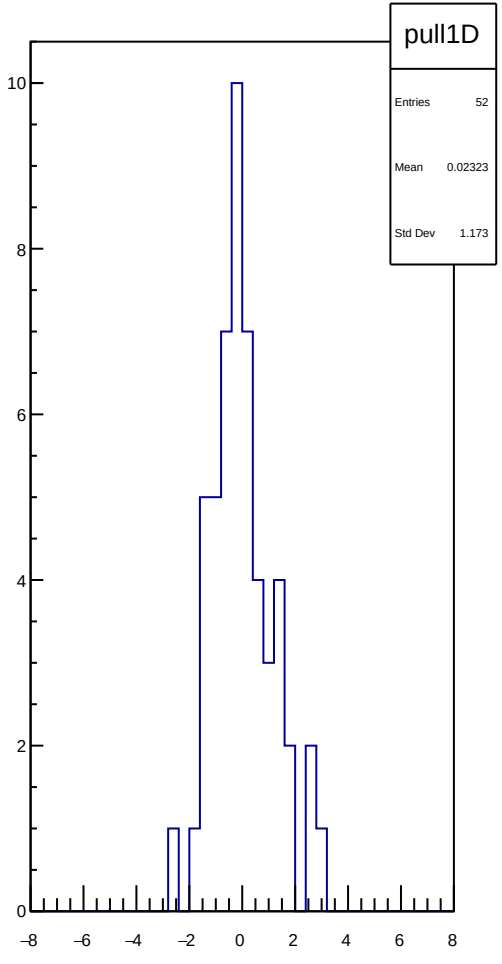

cor_asym_at1_avg_rms vs run
χ^2 / ndf 616.2 / 51
p0 1936 ± 1.911
2100
2050
2000
1950
1900
1850
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

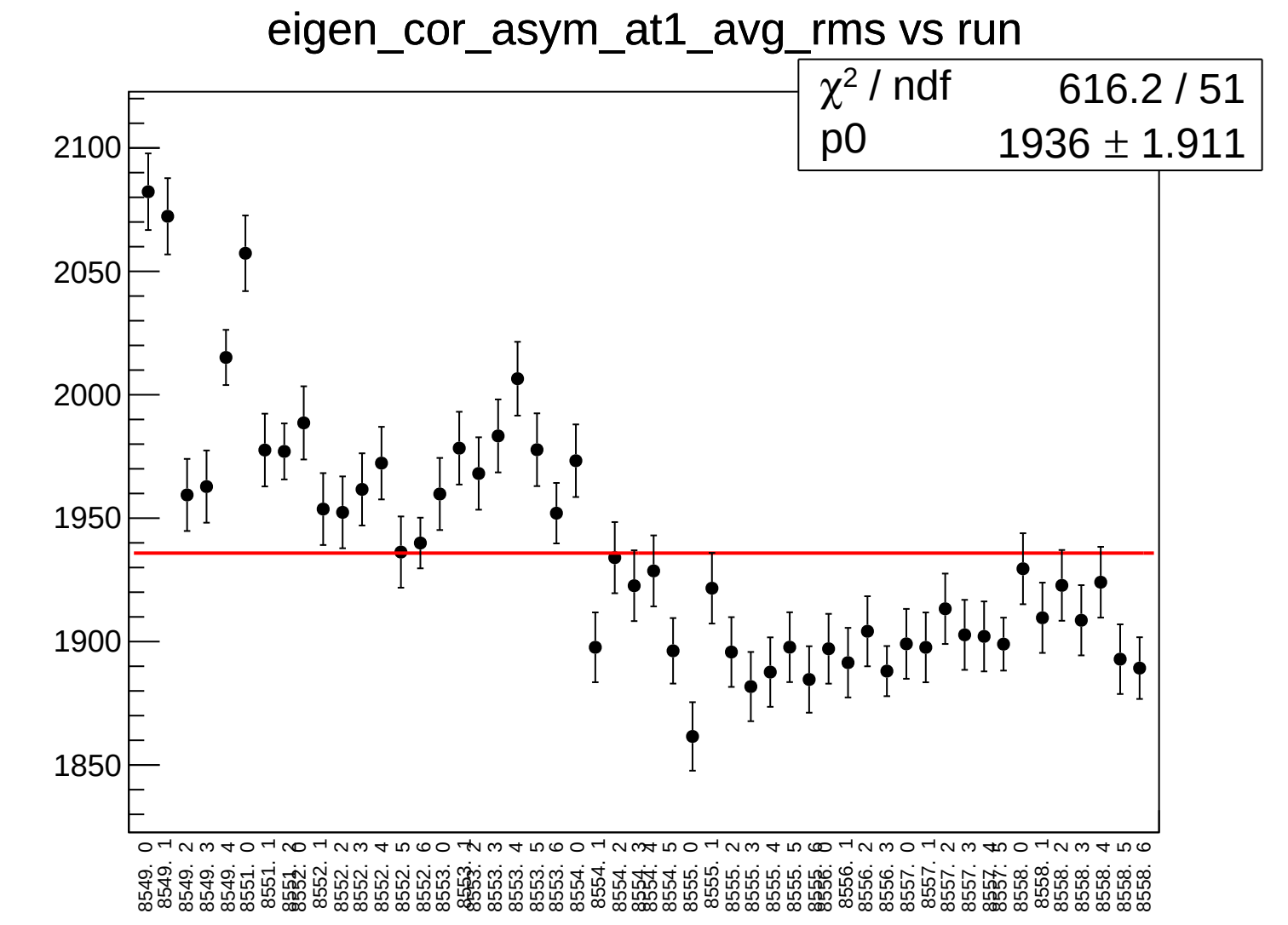

asym_at1_avg_cor_correction_mean vs run
χ² / ndf 48.46 / 51
p0 −1251 ± 2234
60000
40000
20000
0
−20000
−40000
−60000
−80000
pull
Entries 52
Mean −8.392
Std Dev 0

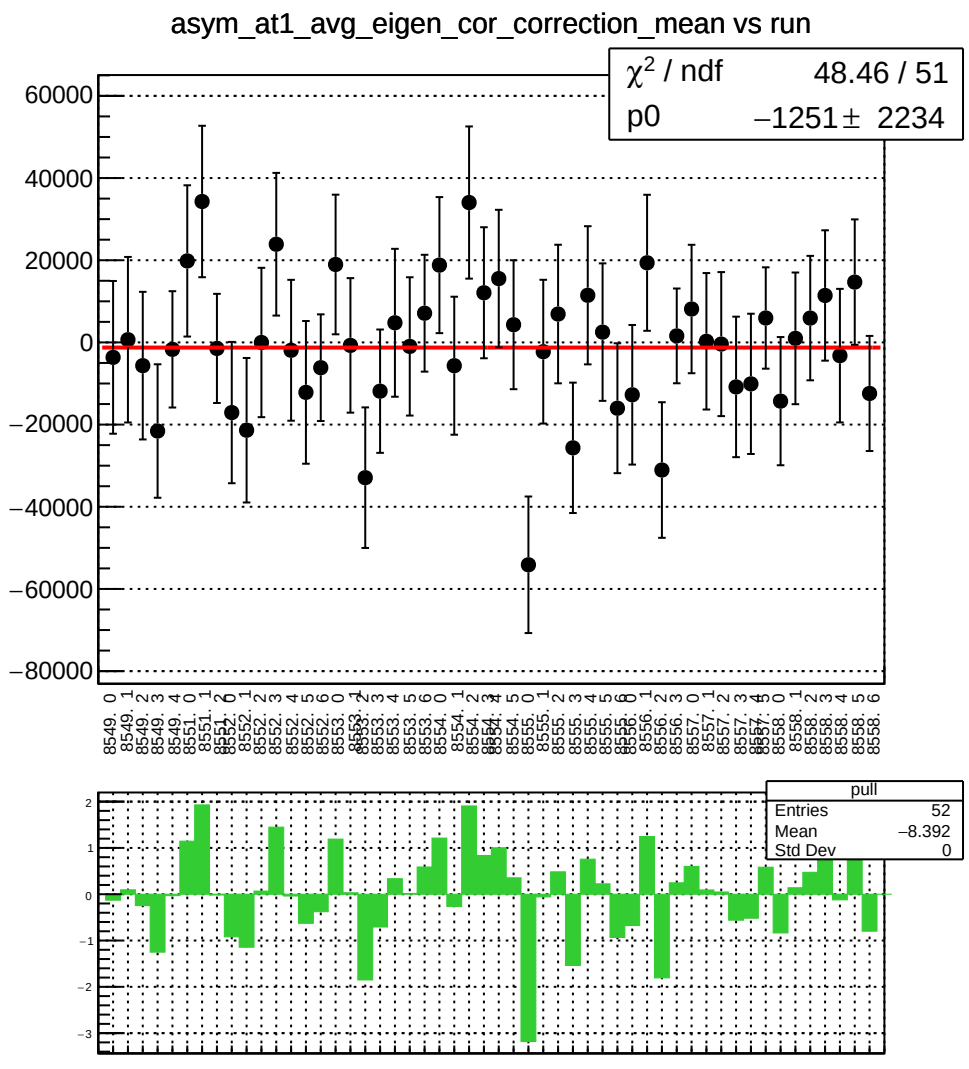

pull1D
Entries 52
Mean 0.005129
Std Dev 0.9653
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

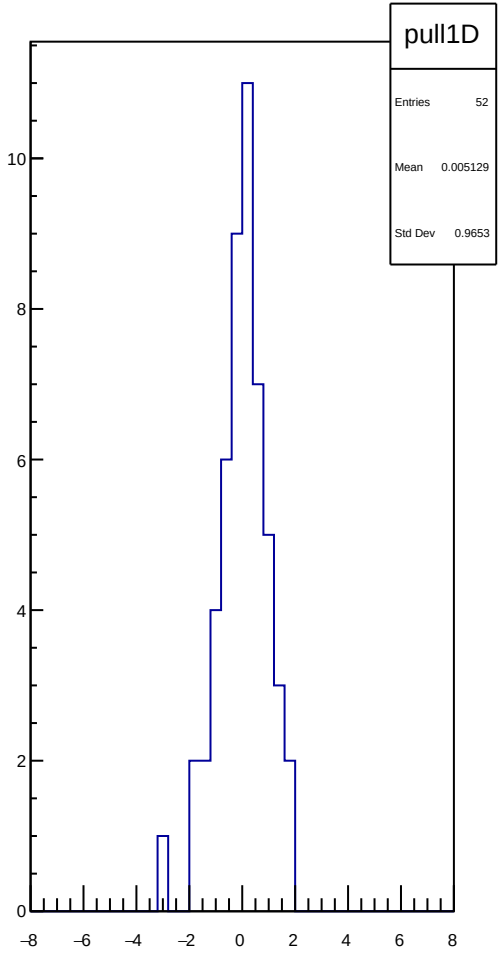

asym_at1_avg_cor_correction_rms vs run
χ² / ndf 3595 / 51
p0 1598 ± 1.579
1900
1800
1700
1600
1500
1400
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 5
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

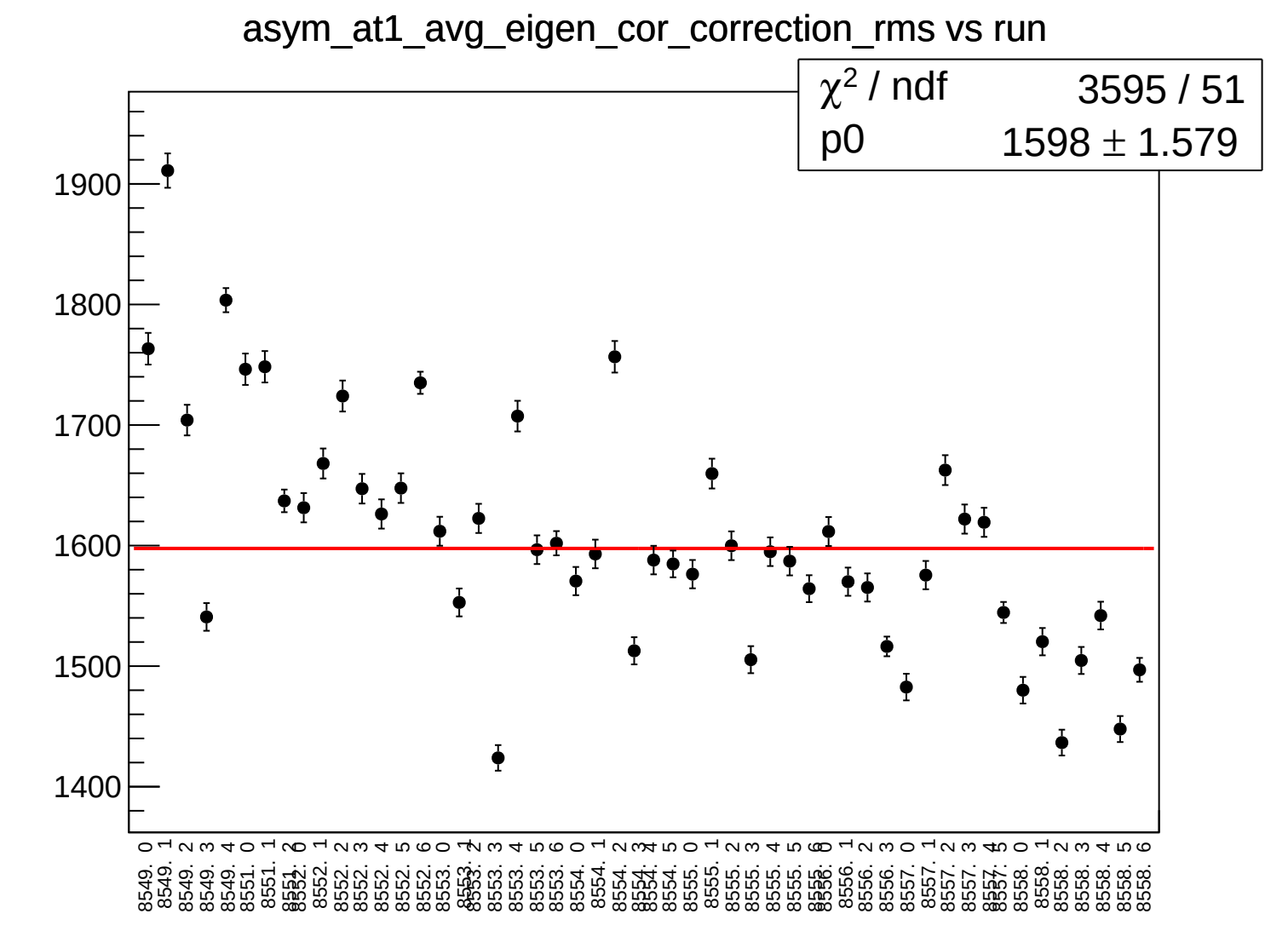

eigen_cor_asym_at1_avg_mean vs run
χ² / ndf 71.6 / 51
p0 −2648 ± 2703
80000
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 52
Mean −2.329
Std Dev 26.03
3
2
1
0
−1
−2

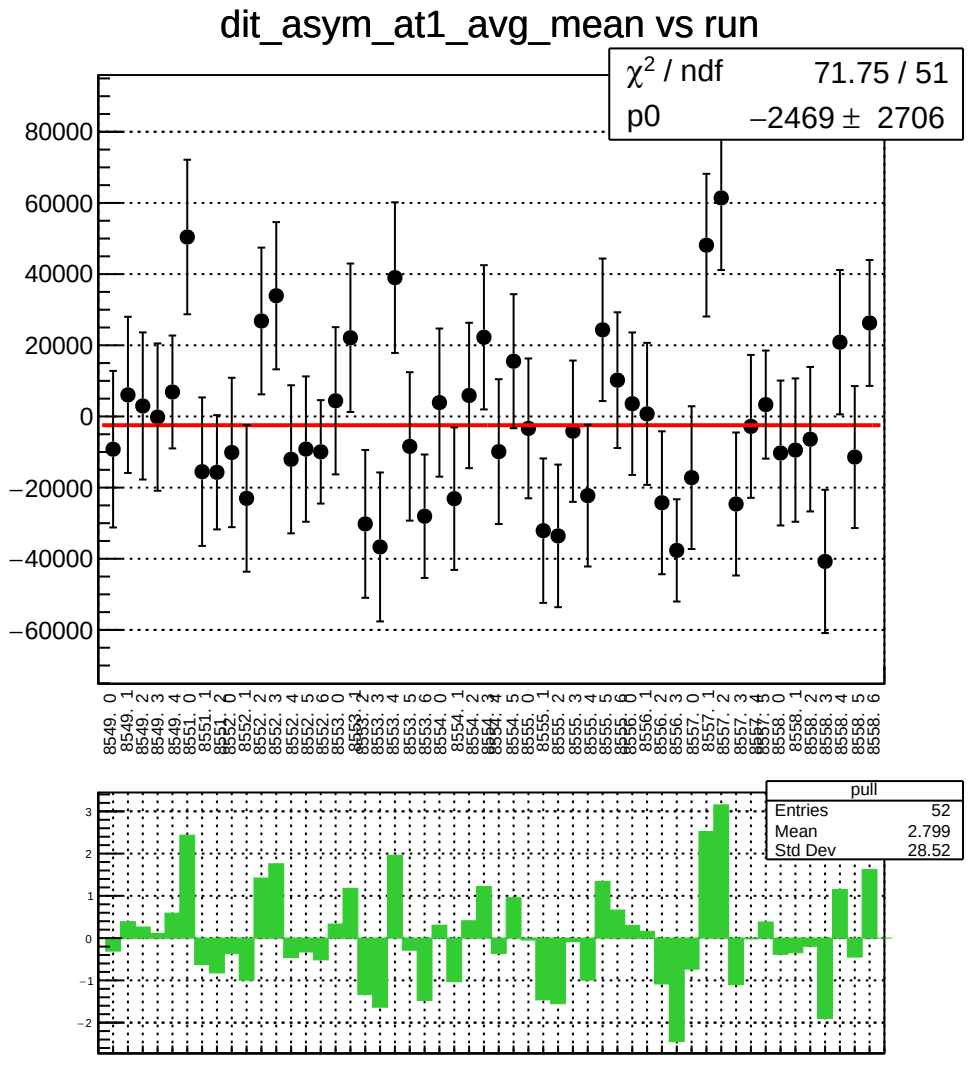

pull1D
Entries 52
Mean 0.02323
Std Dev 1.173
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

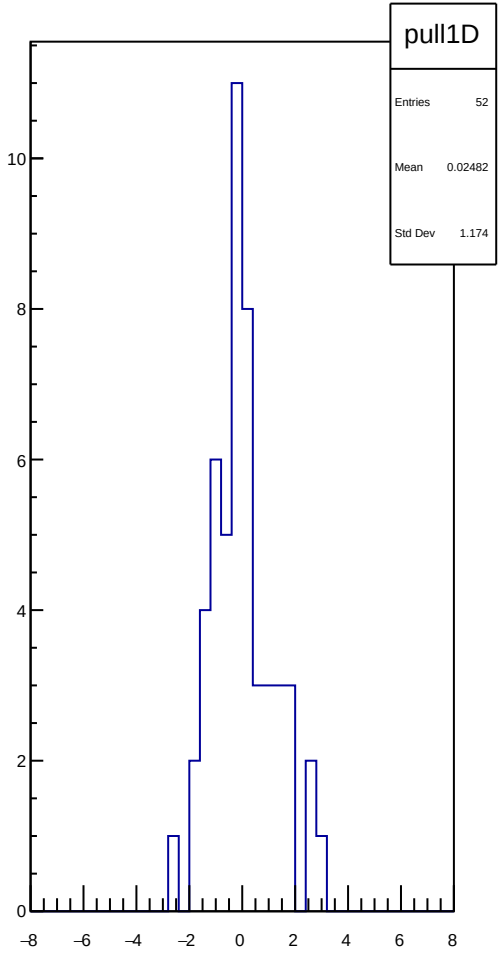

eigen_cor_asym_at1_avg_rms vs run
χ² / ndf 616.2 / 51
p0 1936 ± 1.911
2100
2050
2000
1950
1900
1850
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 5
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

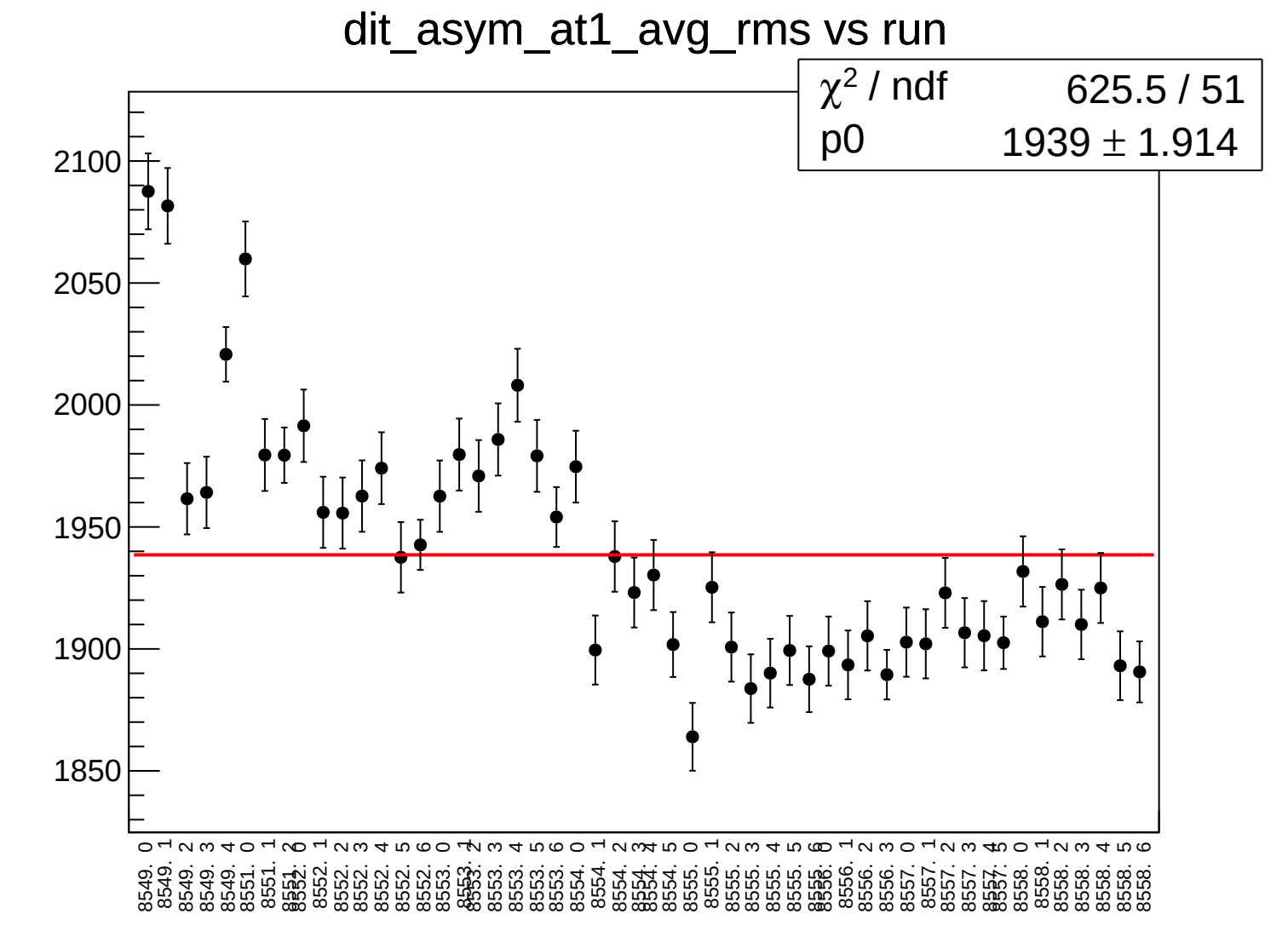

asym_at1_avg_eigen_cor_correction_mean vs run
χ² / ndf 48.46 / 51
p0 −1251 ± 2234
pull
Entries 52
Mean −8.392
Std Dev 0

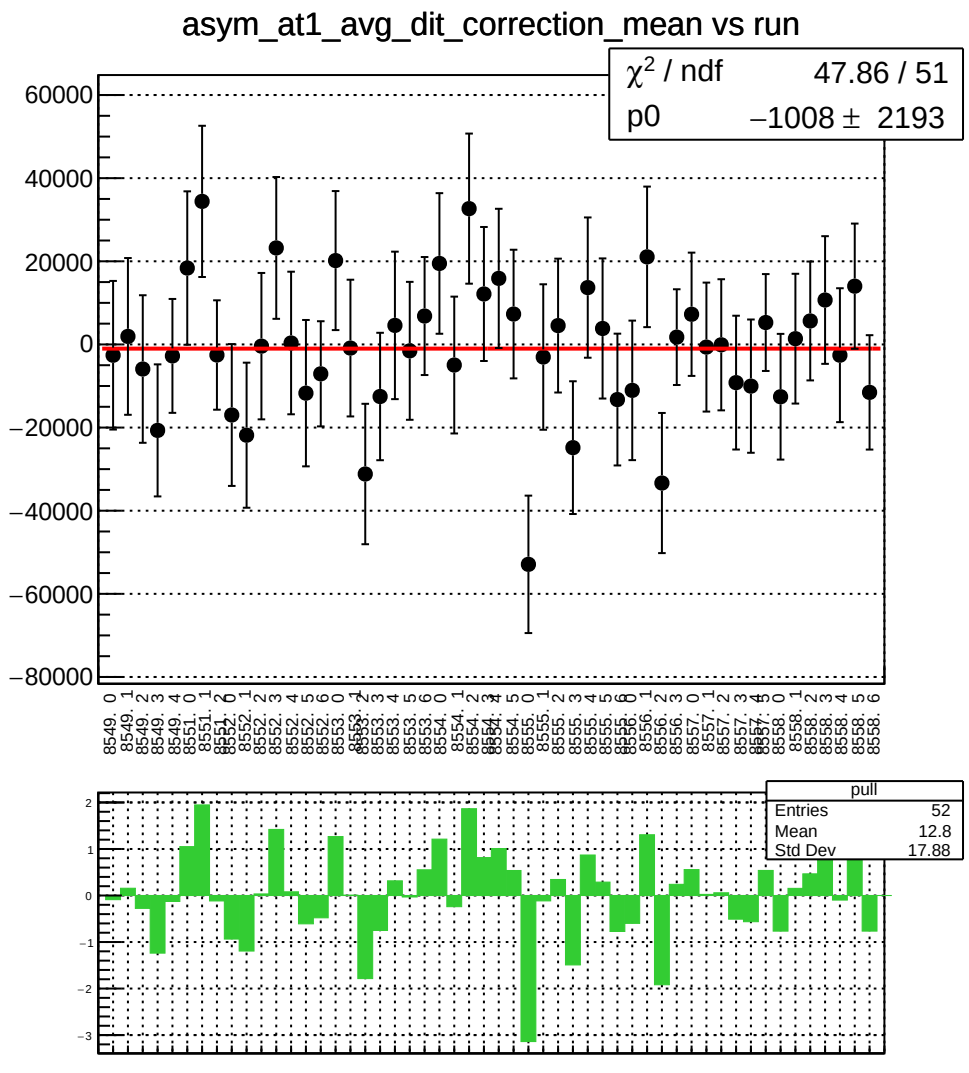

pull1D
Entries 52
Mean 0.005129
Std Dev 0.9653

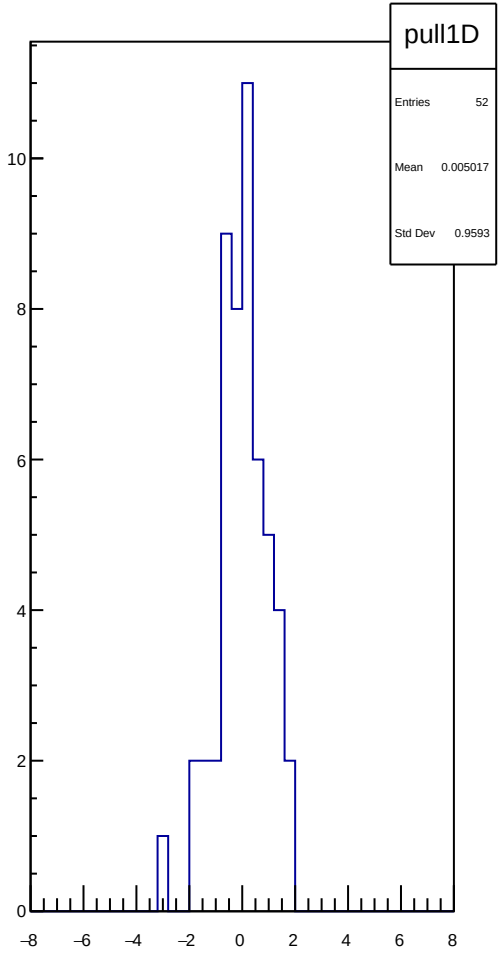

asym_at1_avg_eigen_cor_correction_rms vs run
χ² / ndf 3595 / 51
p0 1598 ± 1.579
1900
1800
1700
1600
1500
1400
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 5
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

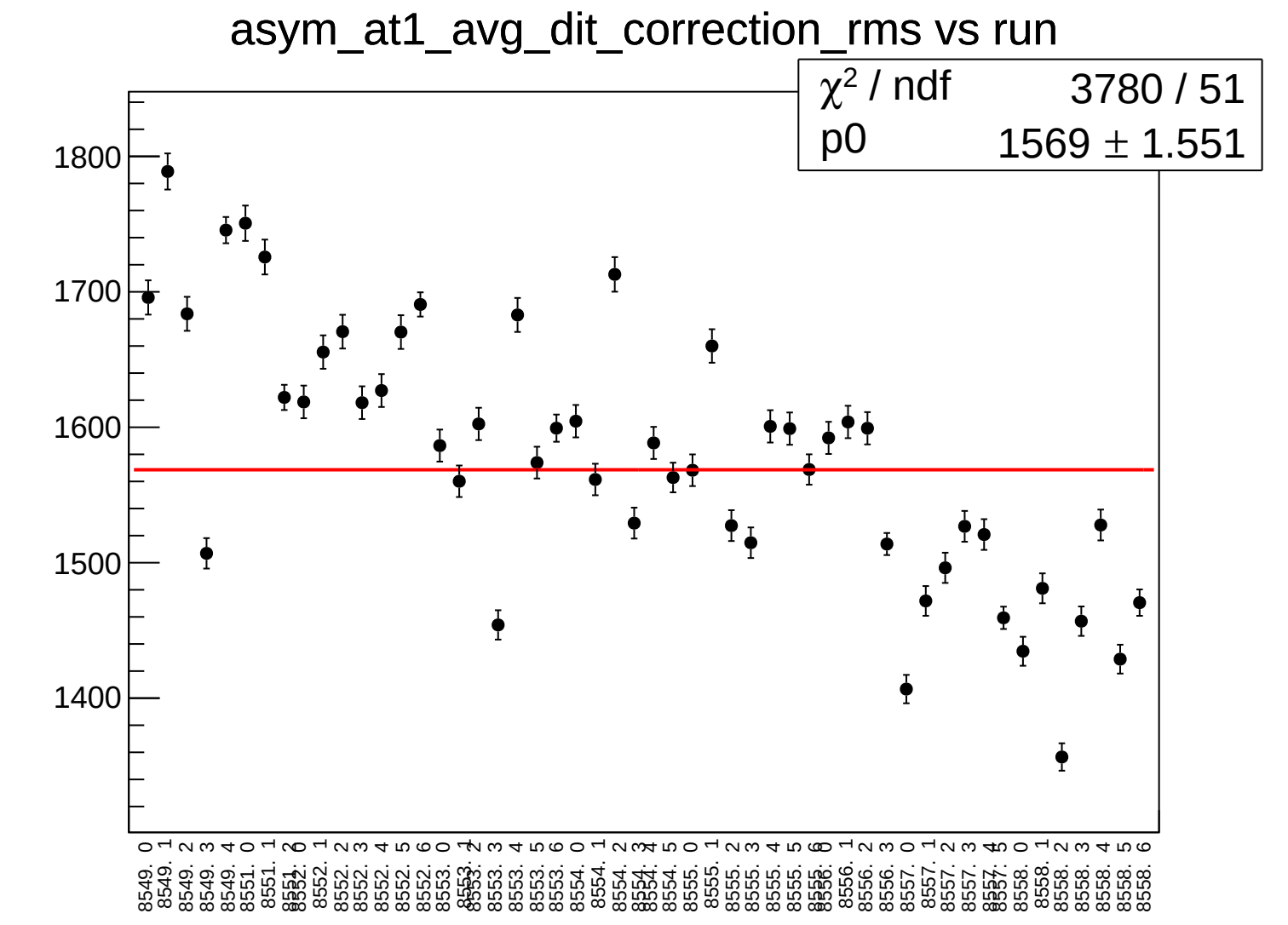

dit_asym_at1_avg_mean vs run
χ² / ndf 71.75 / 51
p0 −2469 ± 2706
pull
Entries 52
Mean 2.799
Std Dev 28.52

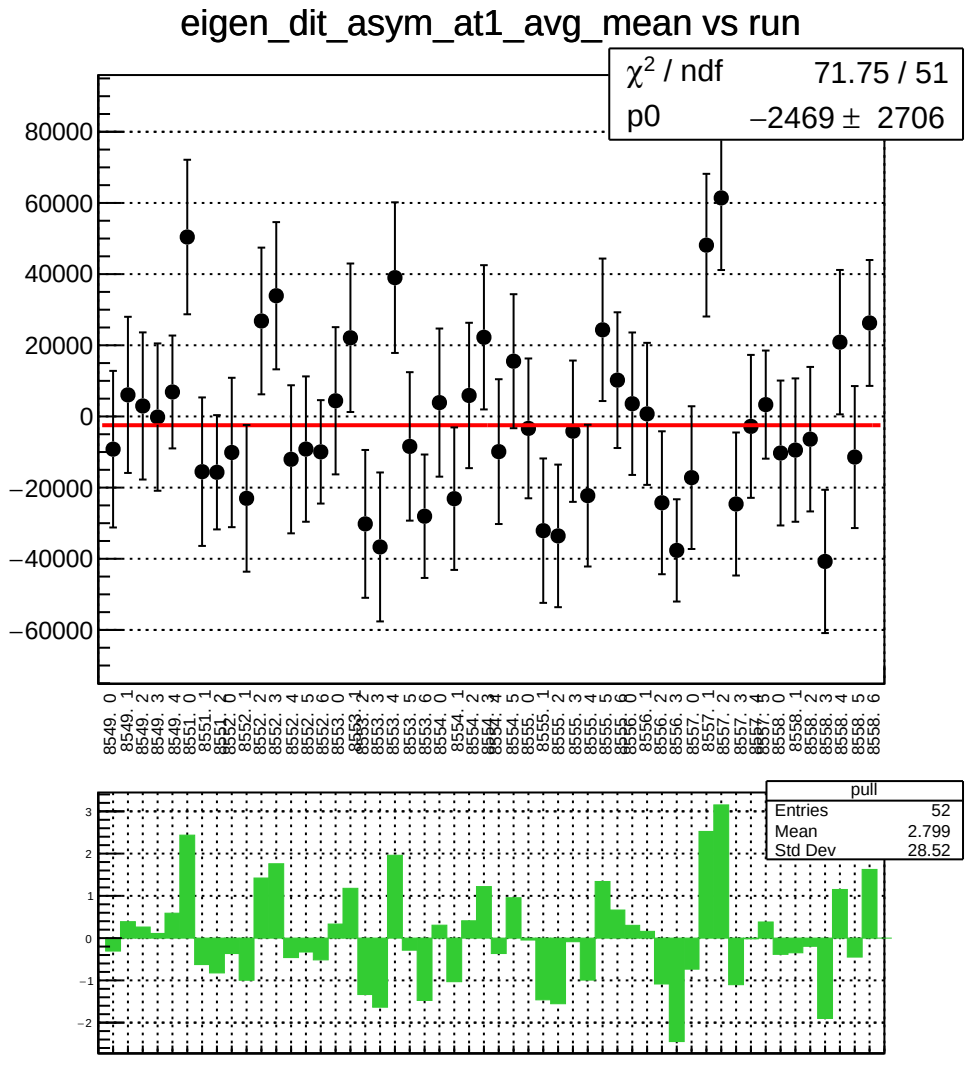

pull1D
Entries 52
Mean 0.02482
Std Dev 1.174

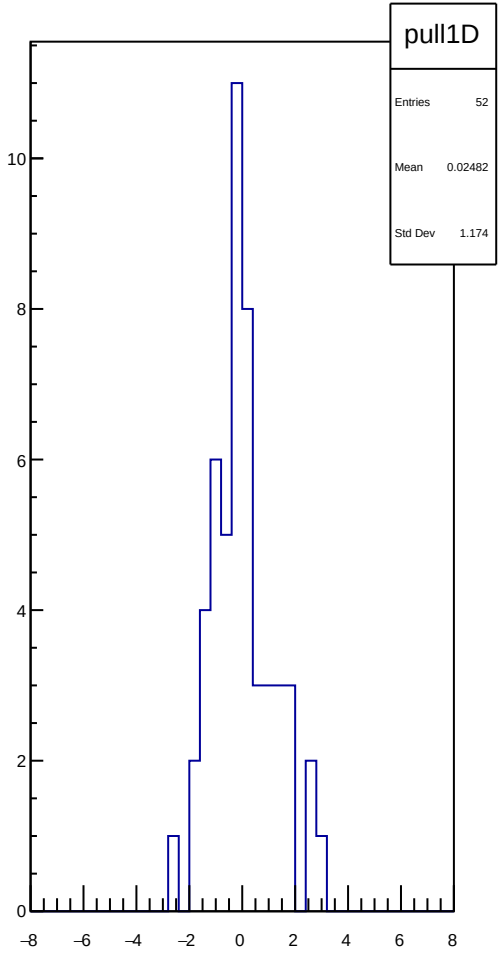

dit_asym_at1_avg_rms vs run
χ² / ndf 625.5 / 51
p0 1939 ± 1.914
2100
2050
2000
1950
1900
1850
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

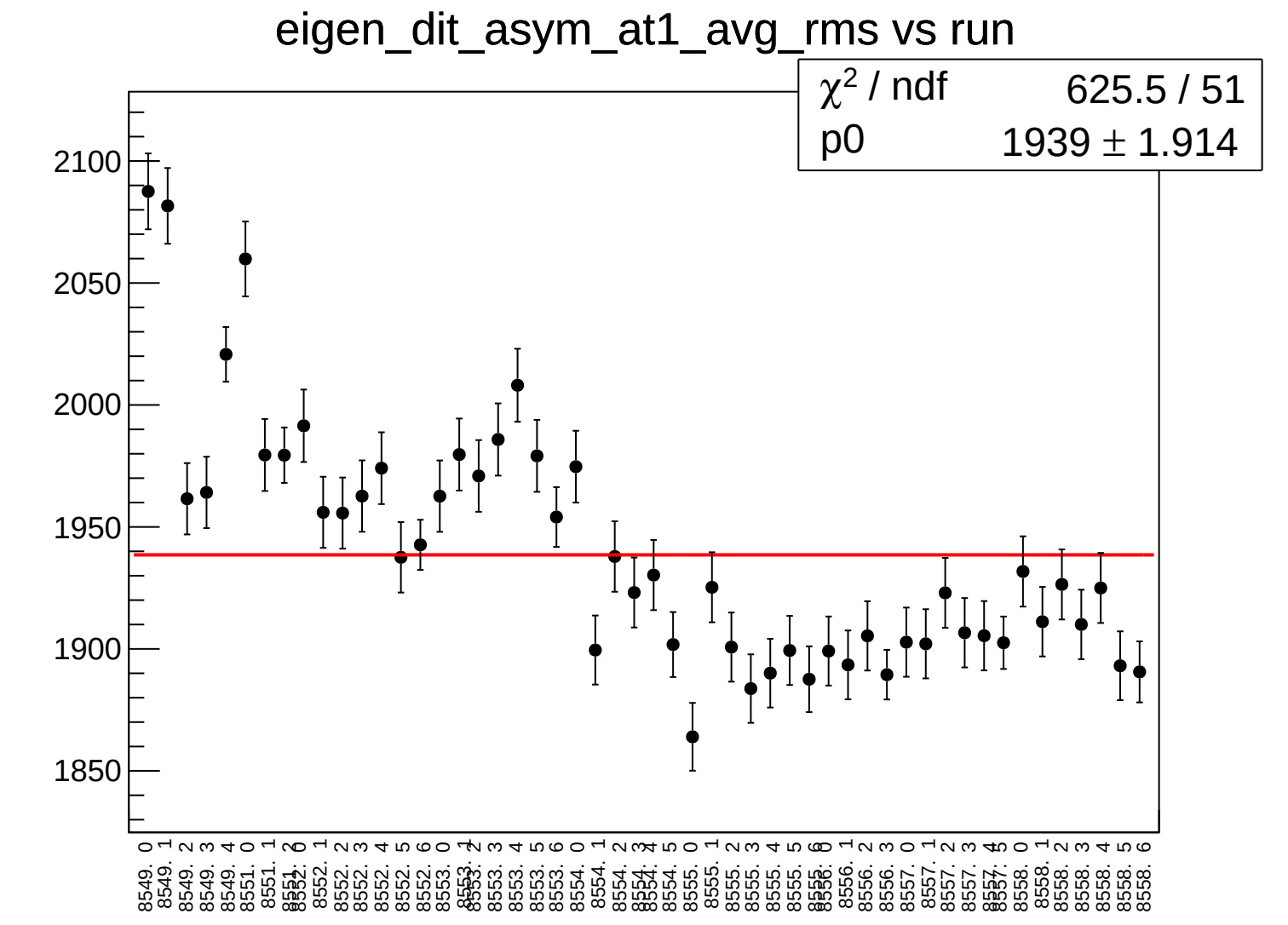

asym_at1_avg_dit_correction_mean vs run
χ² / ndf 47.86 / 51
p0 −1008 ± 2193
pull
Entries 52
Mean 12.8
Std Dev 17.88


pull1D
Entries 52
Mean 0.005017
Std Dev 0.9593


asym_at1_avg_dit_correction_rms vs run
χ² / ndf 3780 / 51
p0 1569 ± 1.551
1800
1700
1600
1500
1400
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 5
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6


eigen_dit_asym_at1_avg_mean vs run
χ^2 / ndf 71.75 / 51
p0 −2469 ± 2706
80000
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 52
Mean 2.799
Std Dev 28.52
3
2
1
0
−1
−2


pull1D
Entries 52
Mean 0.02482
Std Dev 1.174
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 625.5 / 51
p0 1939 ± 1.914
2100
2050
2000
1950
1900
1850
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
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8554. 1
8554. 2
8554. 5
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8555. 2
8555. 3
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8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
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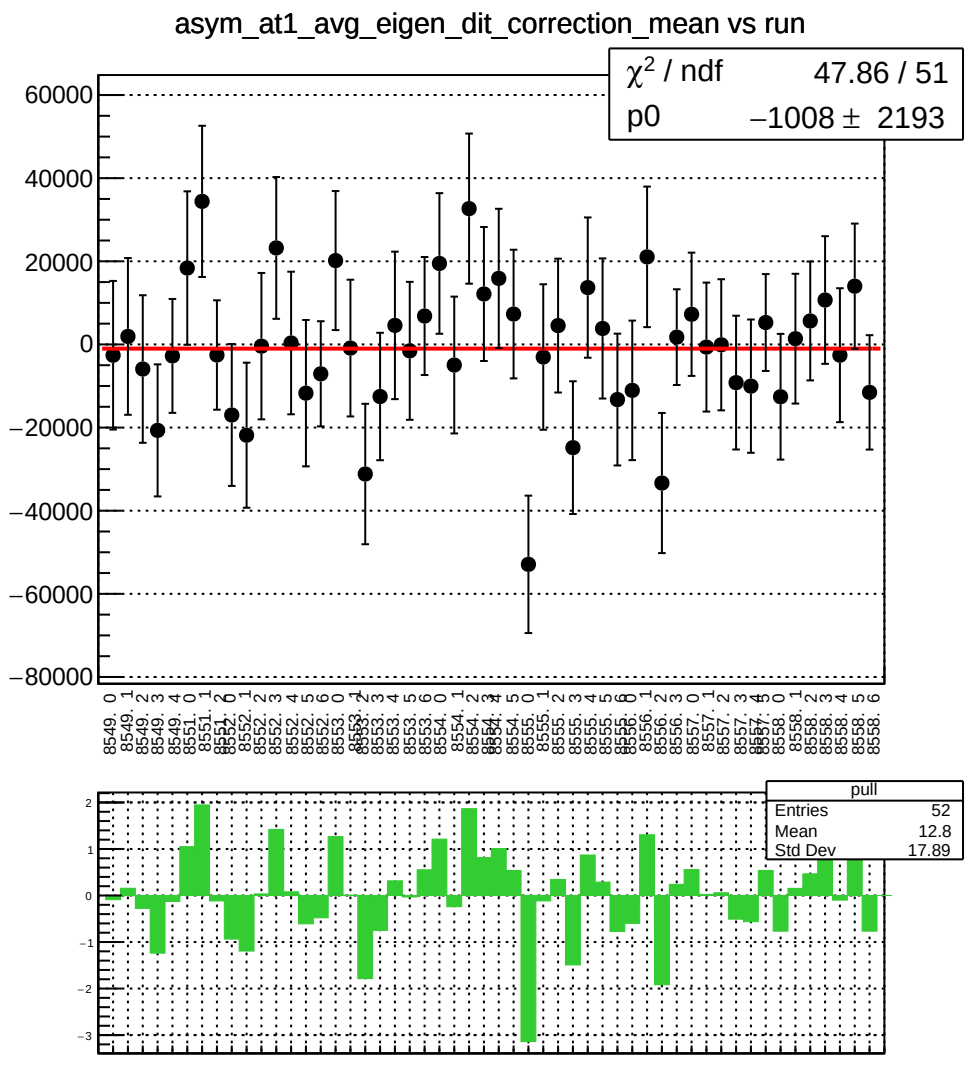
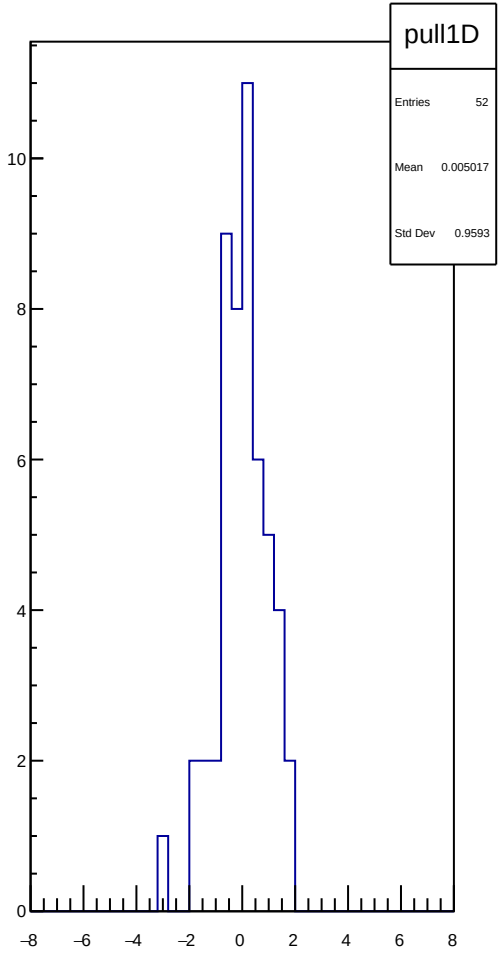
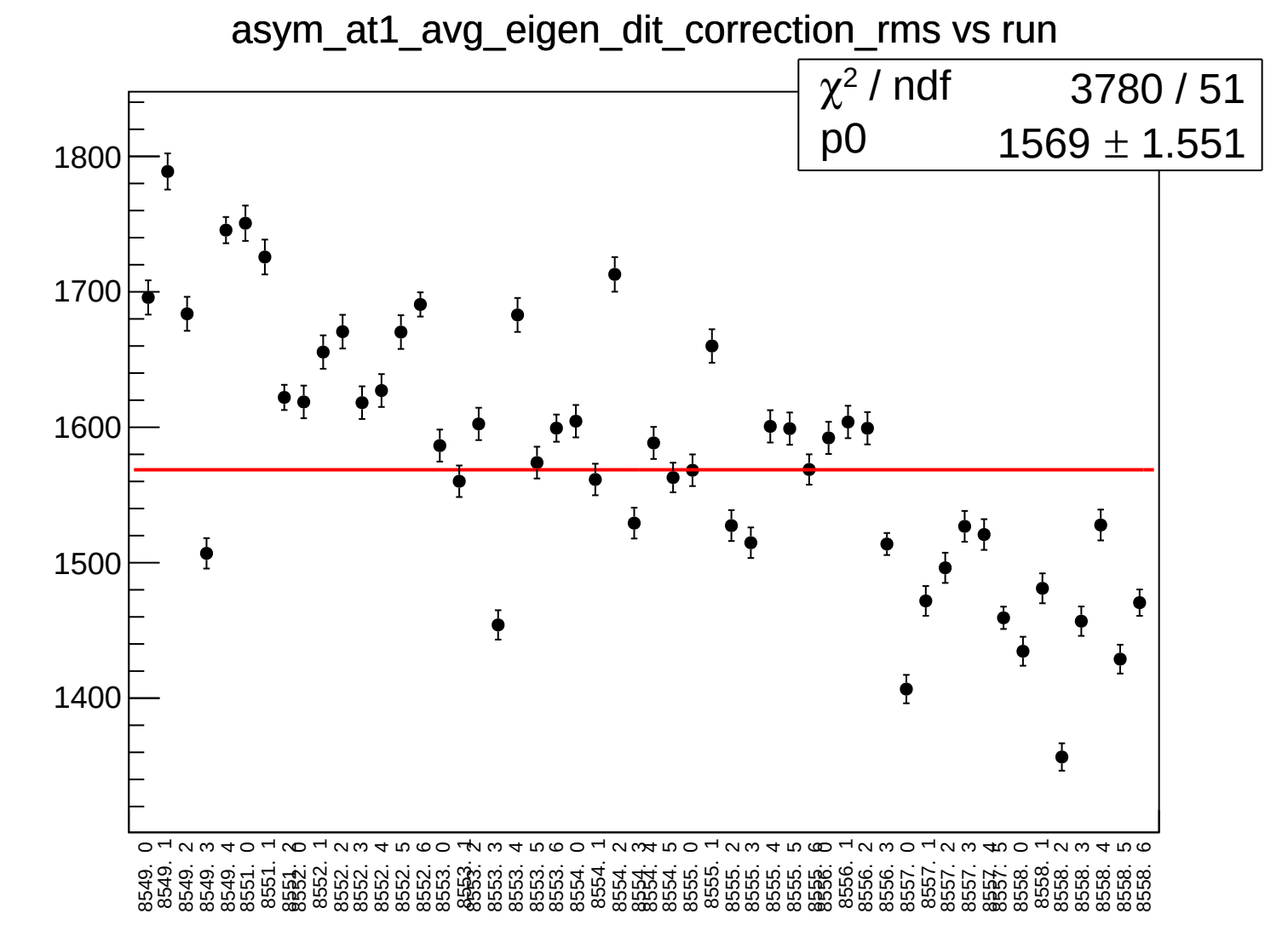
8558. 5
8558. 6


asym_at1_avg_eigen_dit_correction_mean vs run
χ² / ndf 47.86 / 51
p0 −1008 ± 2193
pull
Entries 52
Mean 12.8
Std Dev 17.89


pull1D
Entries 52
Mean 0.005017
Std Dev 0.9593


asym_at1_avg_eigen_dit_correction_rms vs run
χ² / ndf 3780 / 51
p0 1569 ± 1.551
1800
1700
1600
1500
1400
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 5
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
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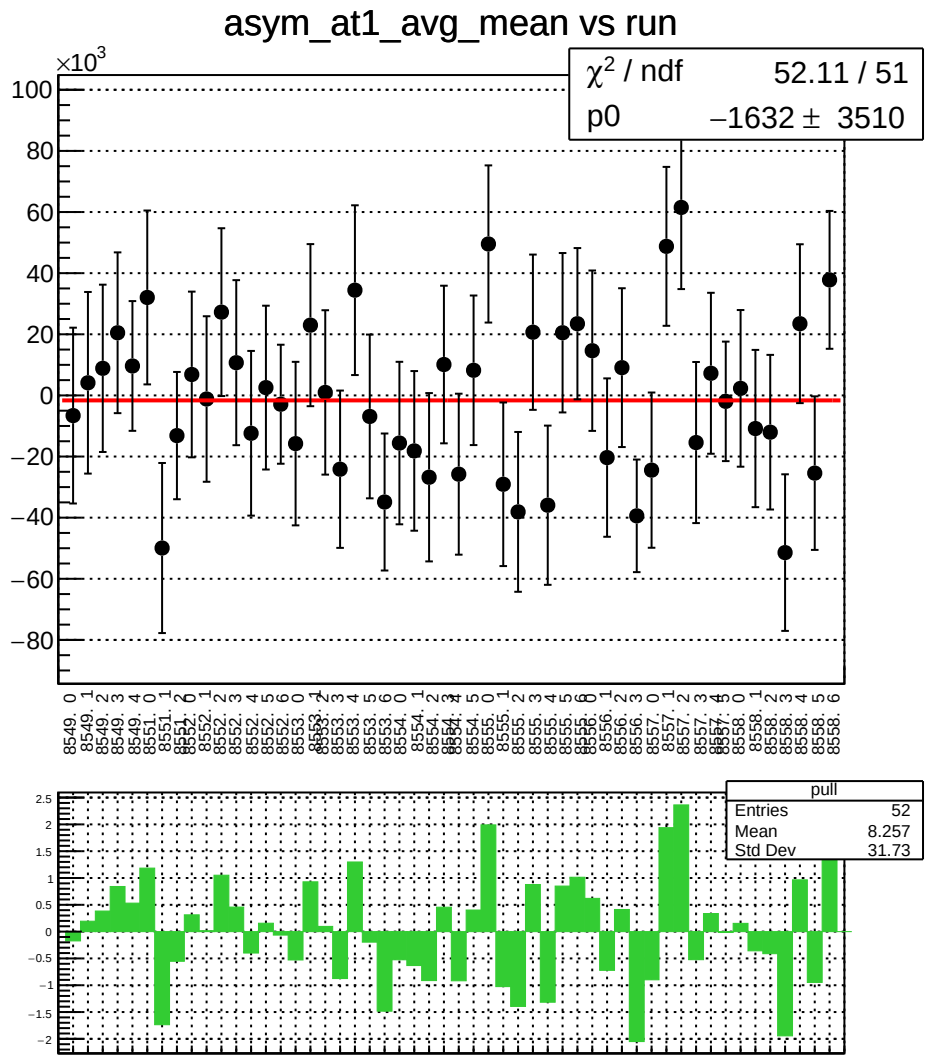
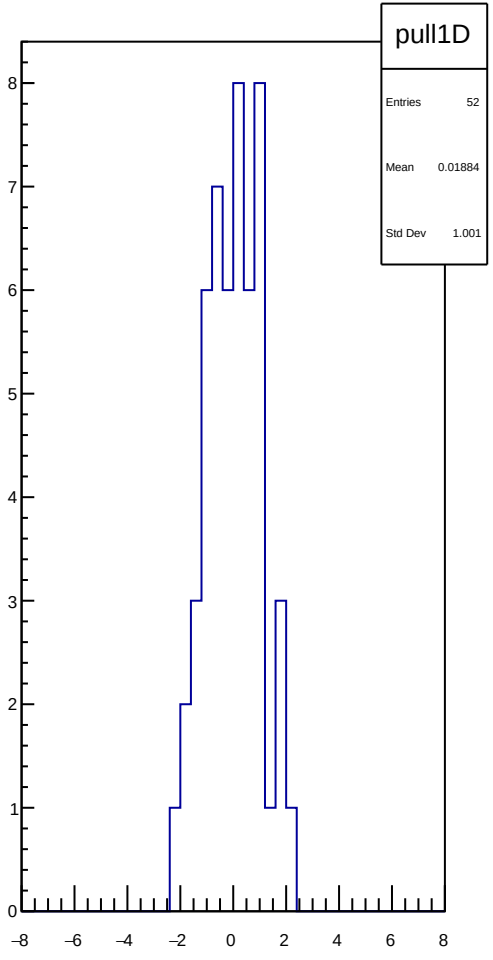
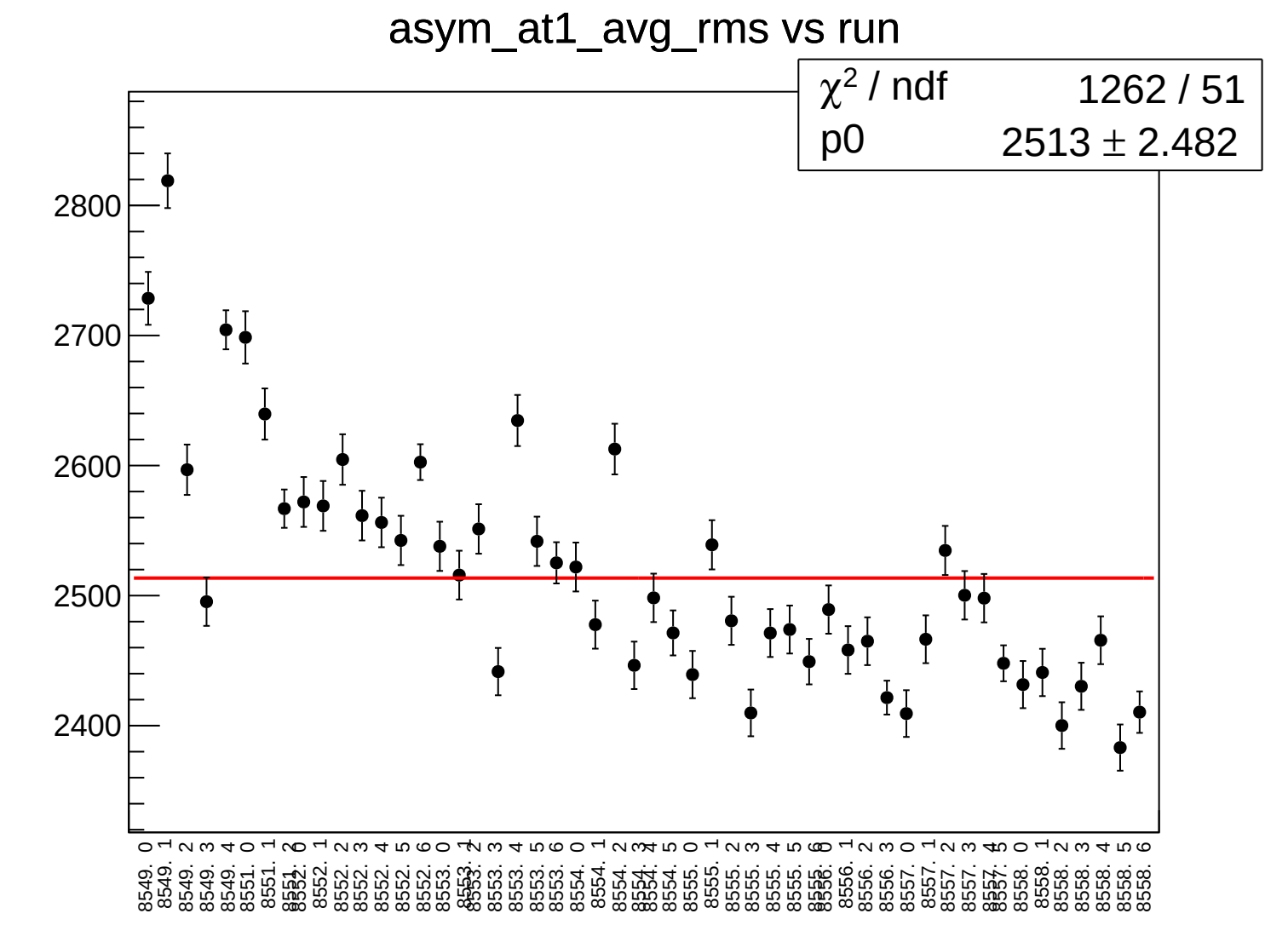
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6


asym_at1_avg_mean vs run
×10^3
χ² / ndf 52.11 / 51
p0 −1632 ± 3510
pull
Entries 52
Mean 8.257
Std Dev 31.73


pull1D
Entries 52
Mean 0.01884
Std Dev 1.001


asym_at1_avg_rms vs run
χ² / ndf 1262 / 51
p0 2513 ± 2.482
2800
2700
2600
2500
2400
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
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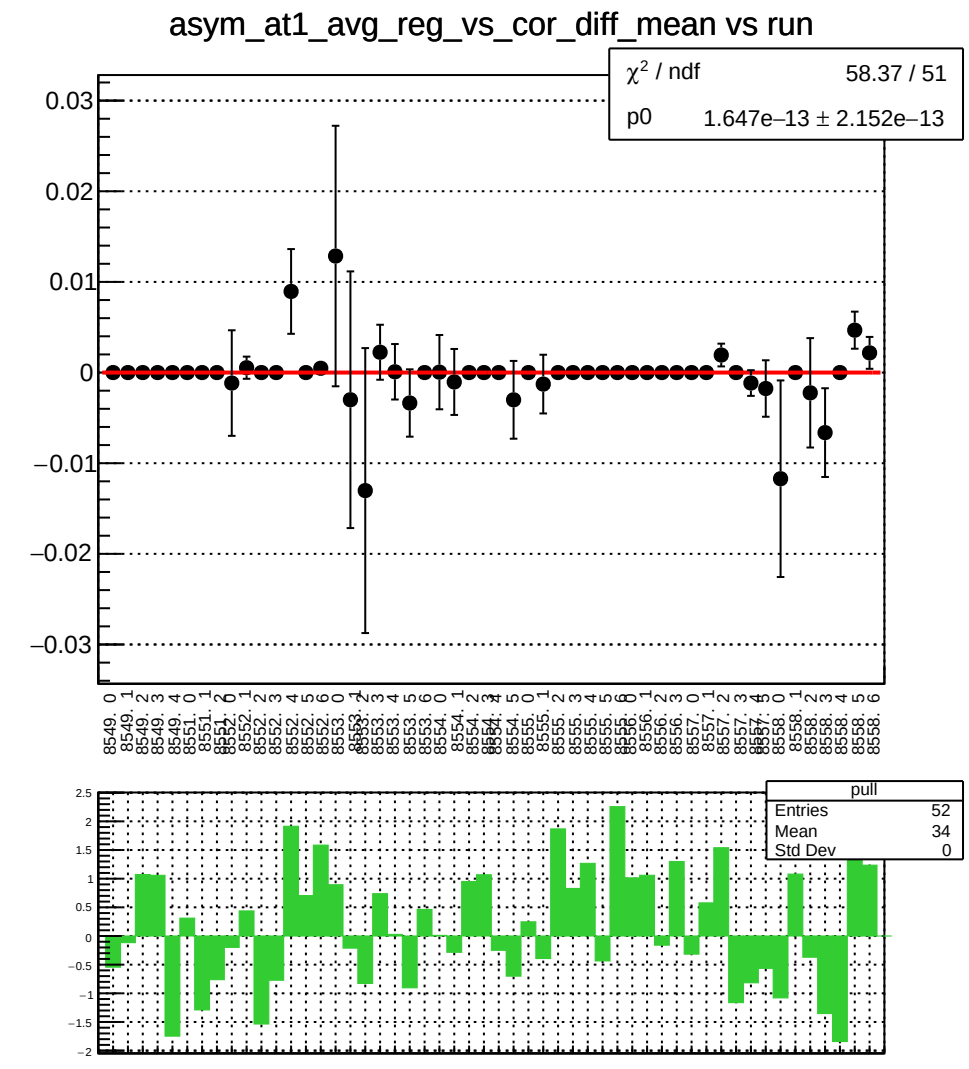
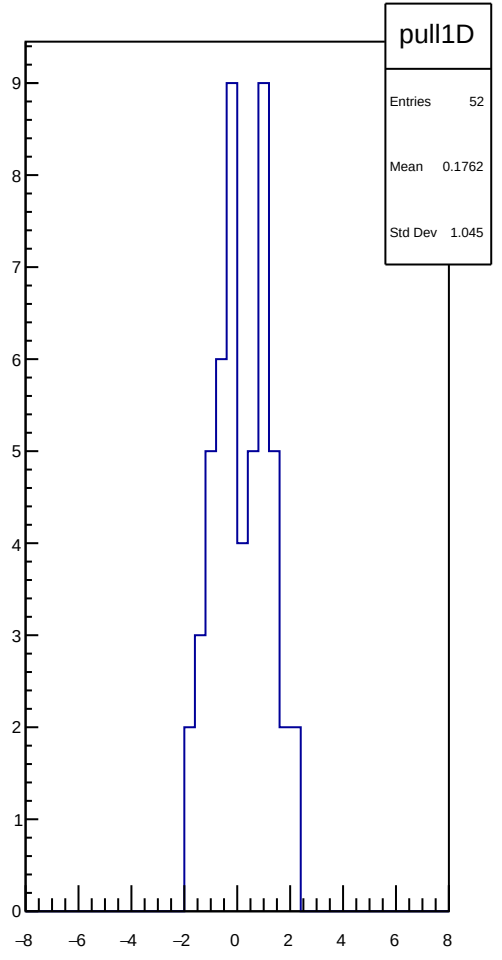
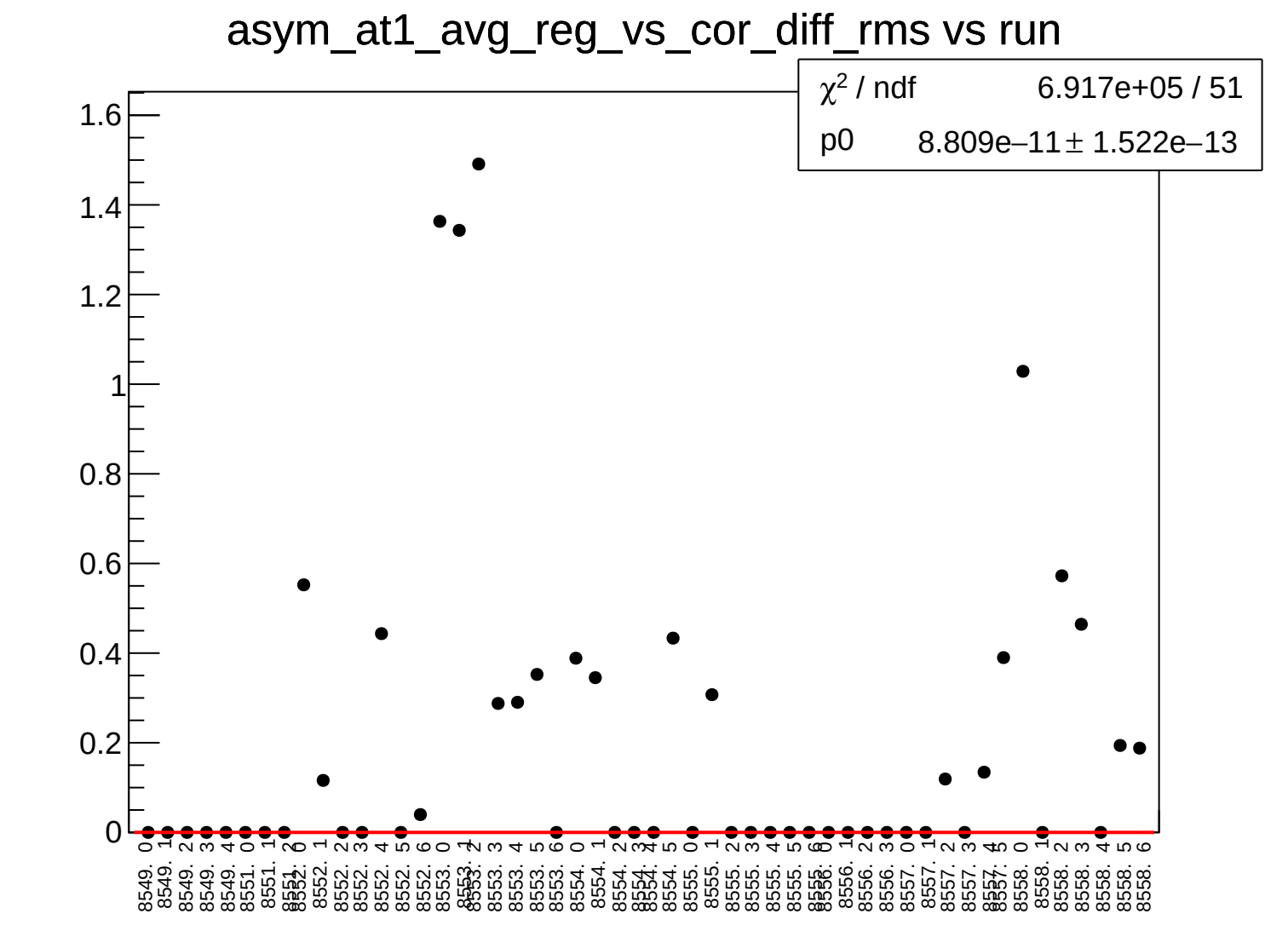
8554. 2
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6


asym_at1_avg_reg_vs_cor_diff_mean vs run
χ² / ndf 58.37 / 51
p0 1.647e−13 ± 2.152e−13
pull
Entries 52
Mean 34
Std Dev 0


pull1D
Entries 52
Mean 0.1762
Std Dev 1.045


asym_at1_avg_reg_vs_cor_diff_rms vs run
χ² / ndf 6.917e+05 / 51
p0 8.809e−11 ± 1.522e−13
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 0
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 1
8553. 2
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 3
8554. 4
8554. 5
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8555. 6
8556. 0
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
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8557. 5
8558. 0
8558. 1
8558. 2
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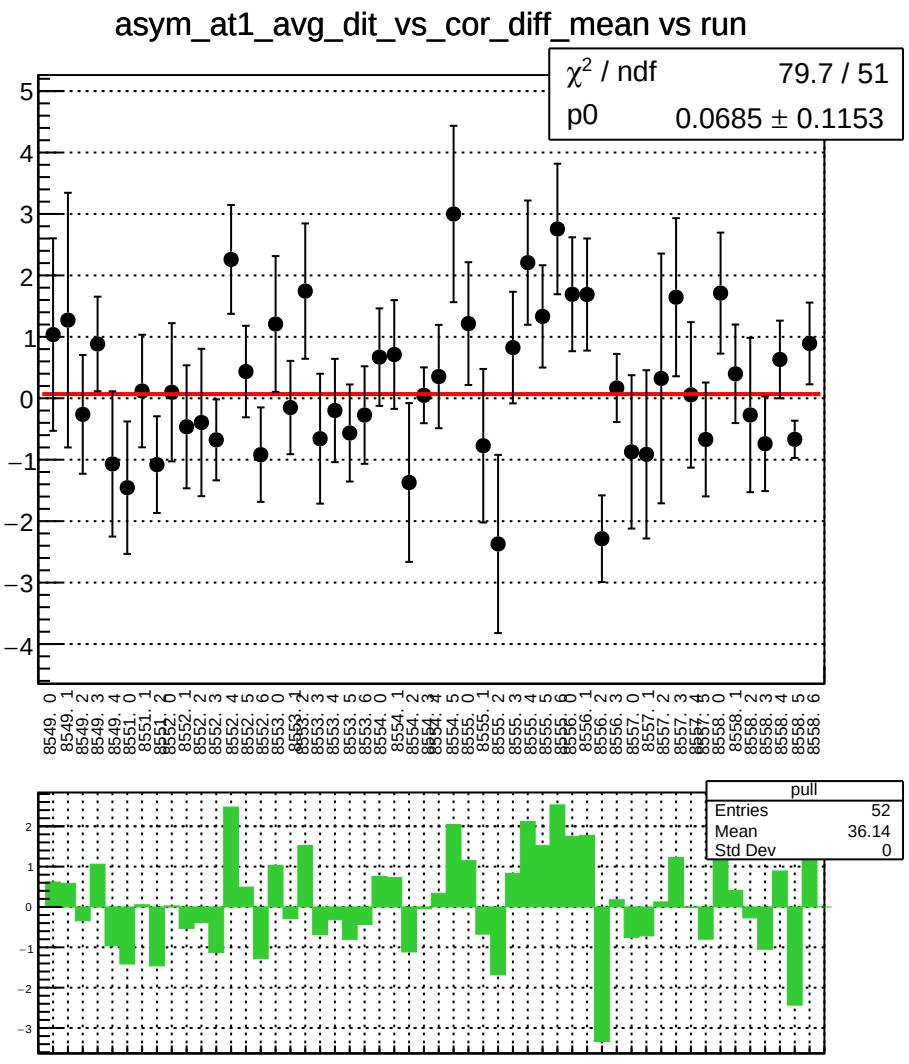
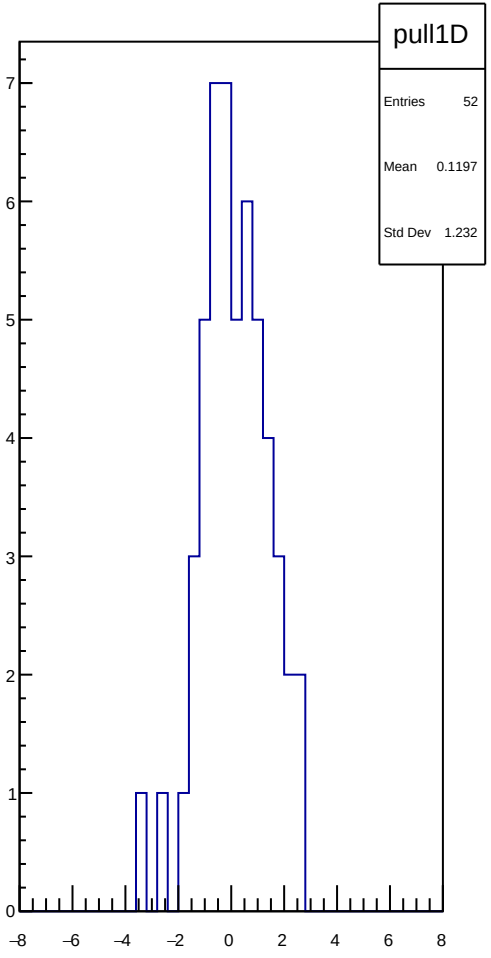
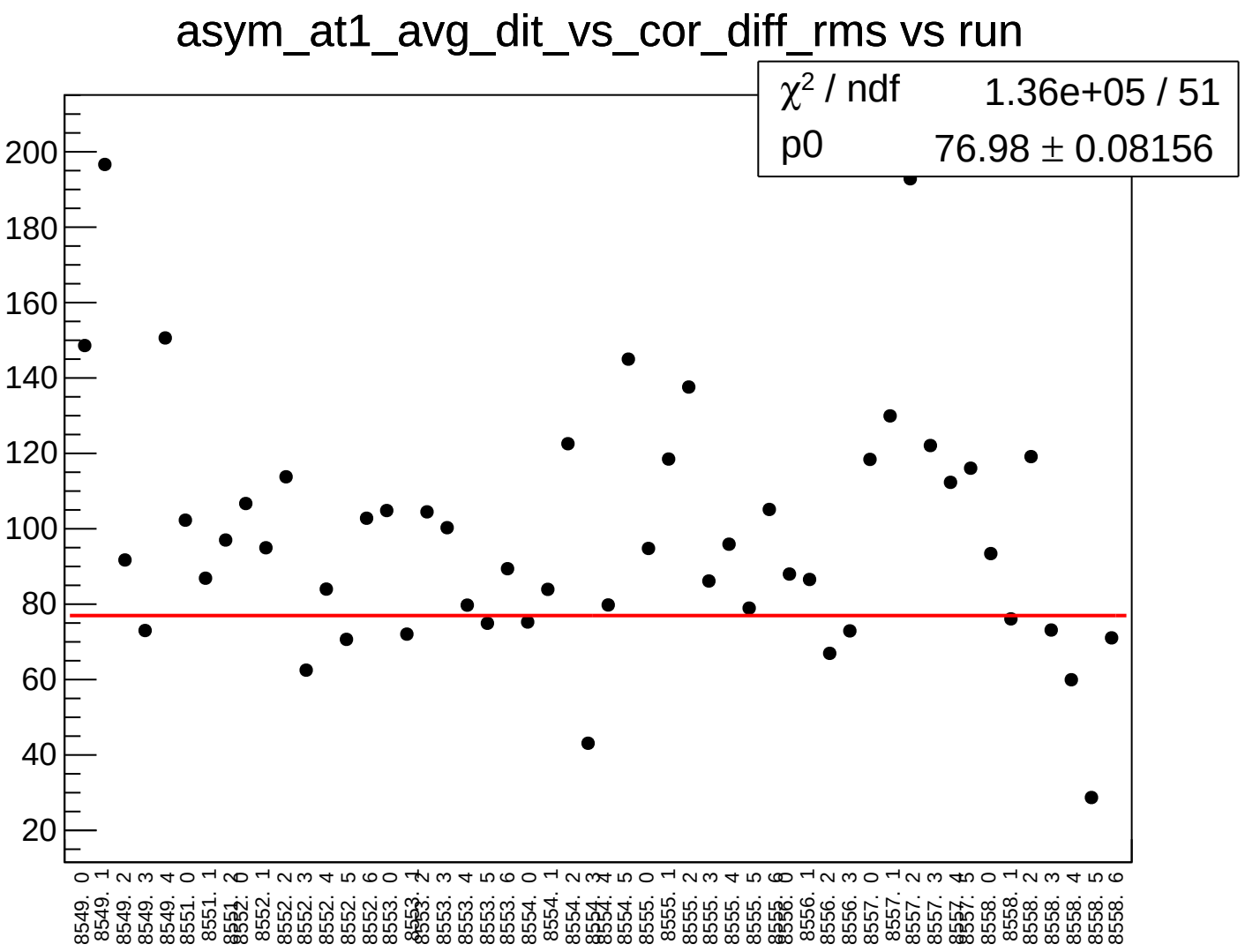
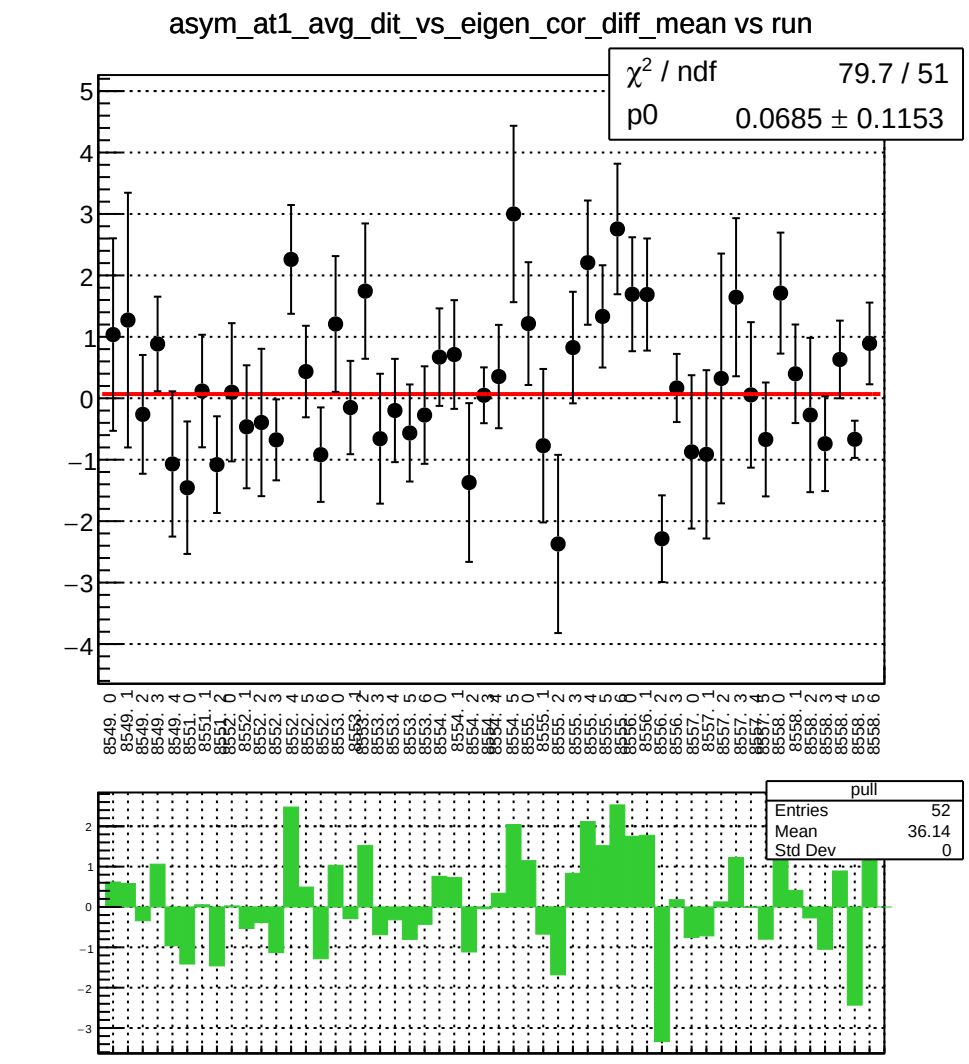
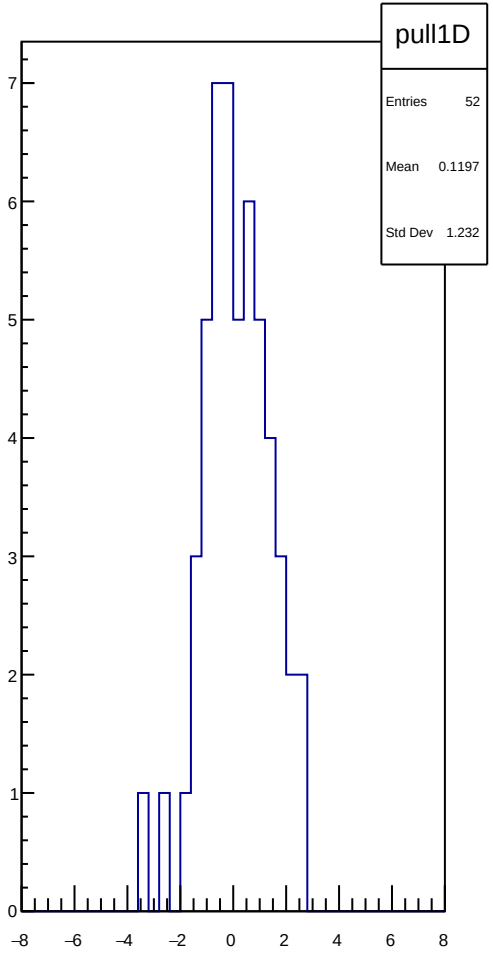
8558. 6

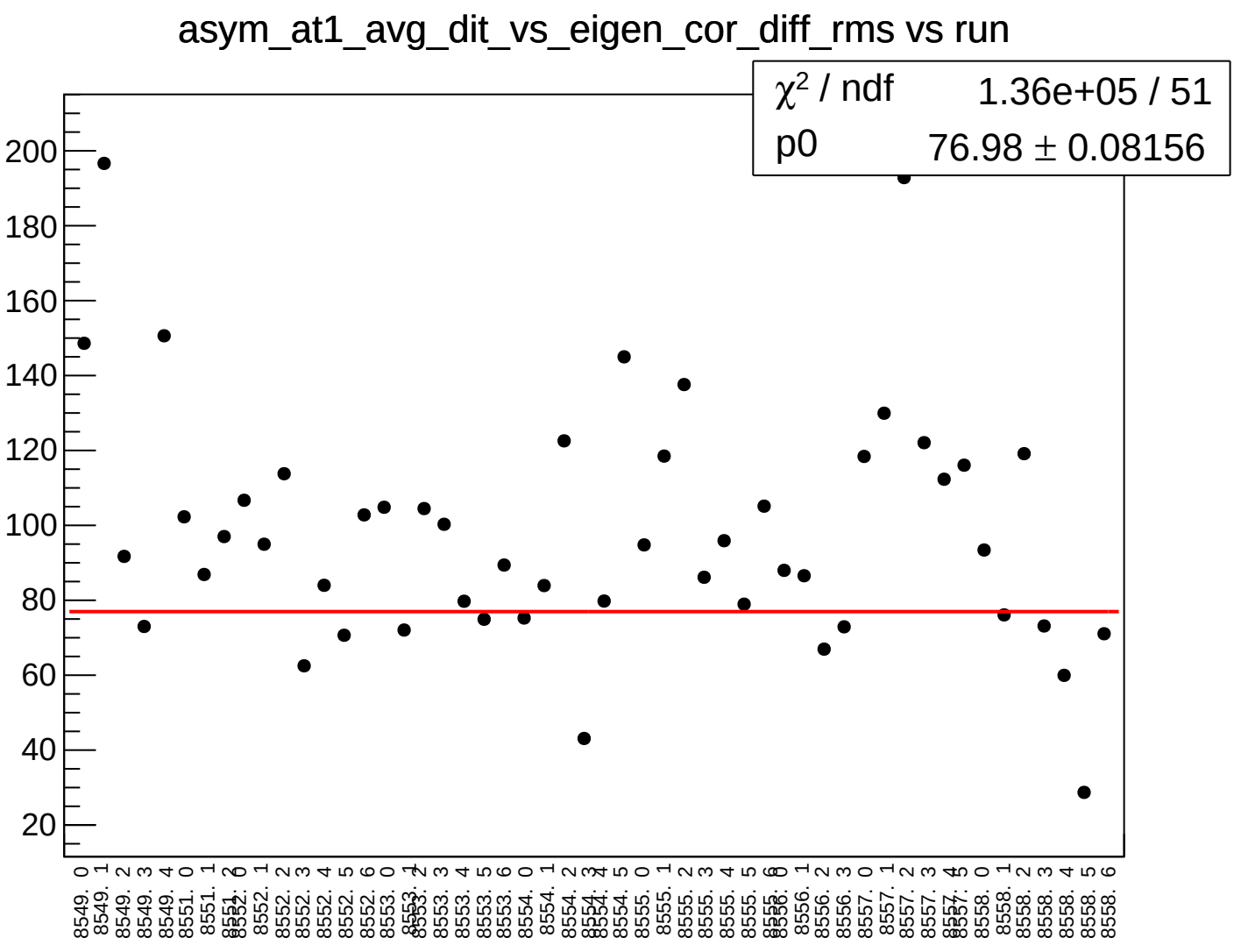

asym_at1_avg_dit_vs_cor_diff_mean vs run
χ² / ndf 79.7 / 51
p0 0.0685 ± 0.1153
pull
Entries 52
Mean 36.14
Std Dev 0


pull1D
Entries 52
Mean 0.1197
Std Dev 1.232


asym_at1_avg_dit_vs_cor_diff_rms vs run
χ² / ndf 1.36e+05 / 51
p0 76.98 ± 0.08156
200
180
160
140
120
100
80
60
40
20
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 5
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6


asym_at1_avg_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 79.7 / 51
p0 0.0685 ± 0.1153
pull
Entries 52
Mean 36.14
Std Dev 0


pull1D
Entries 52
Mean 0.1197
Std Dev 1.232


asym_at1_avg_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.36e+05 / 51
p0 76.98 ± 0.08156
200
180
160
140
120
100
80
60
40
20
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 5
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
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8557. 3
8558. 0
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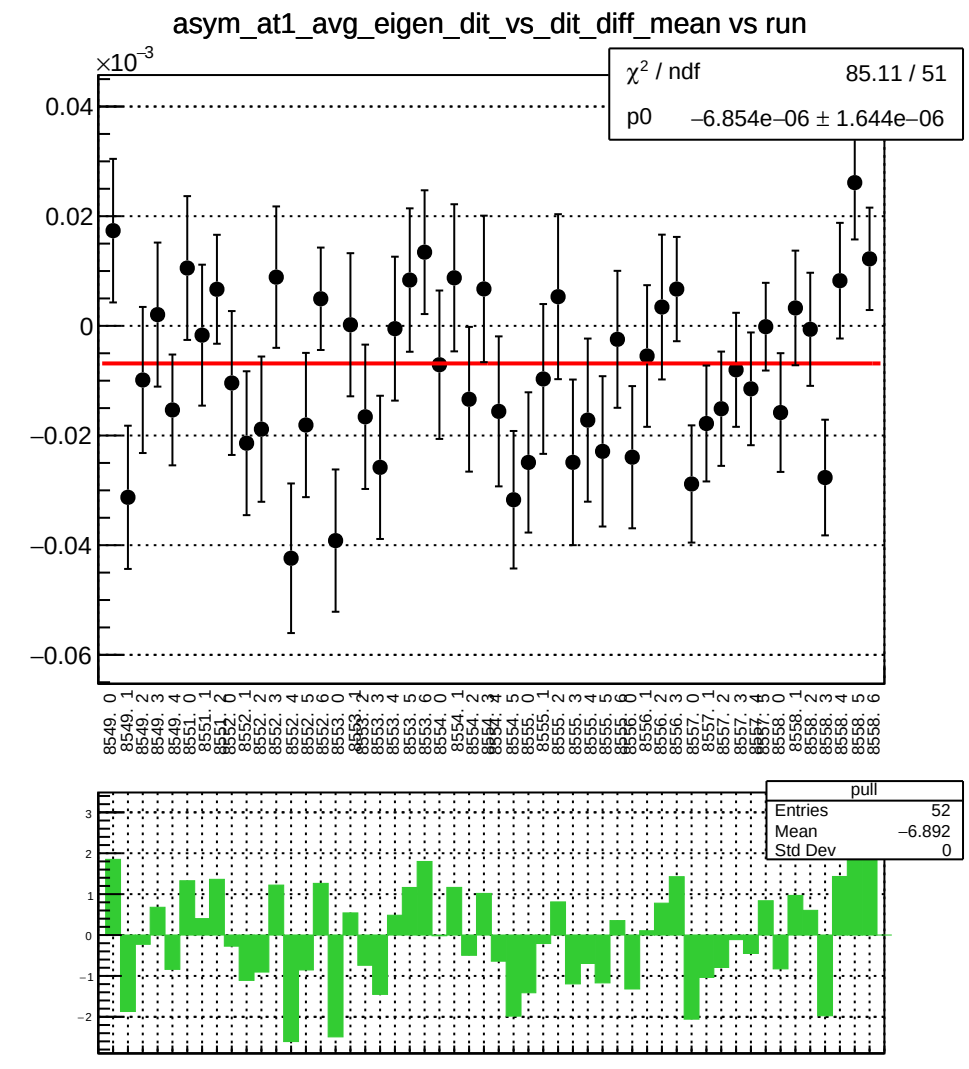
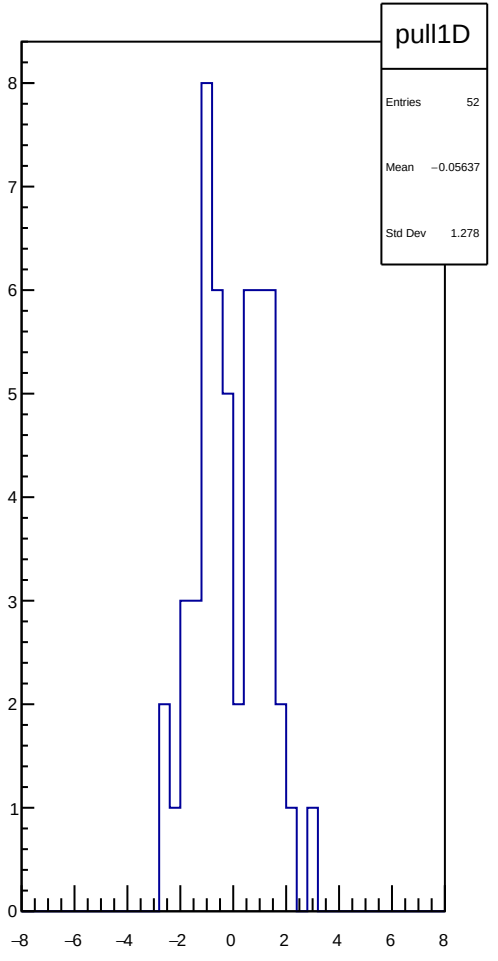
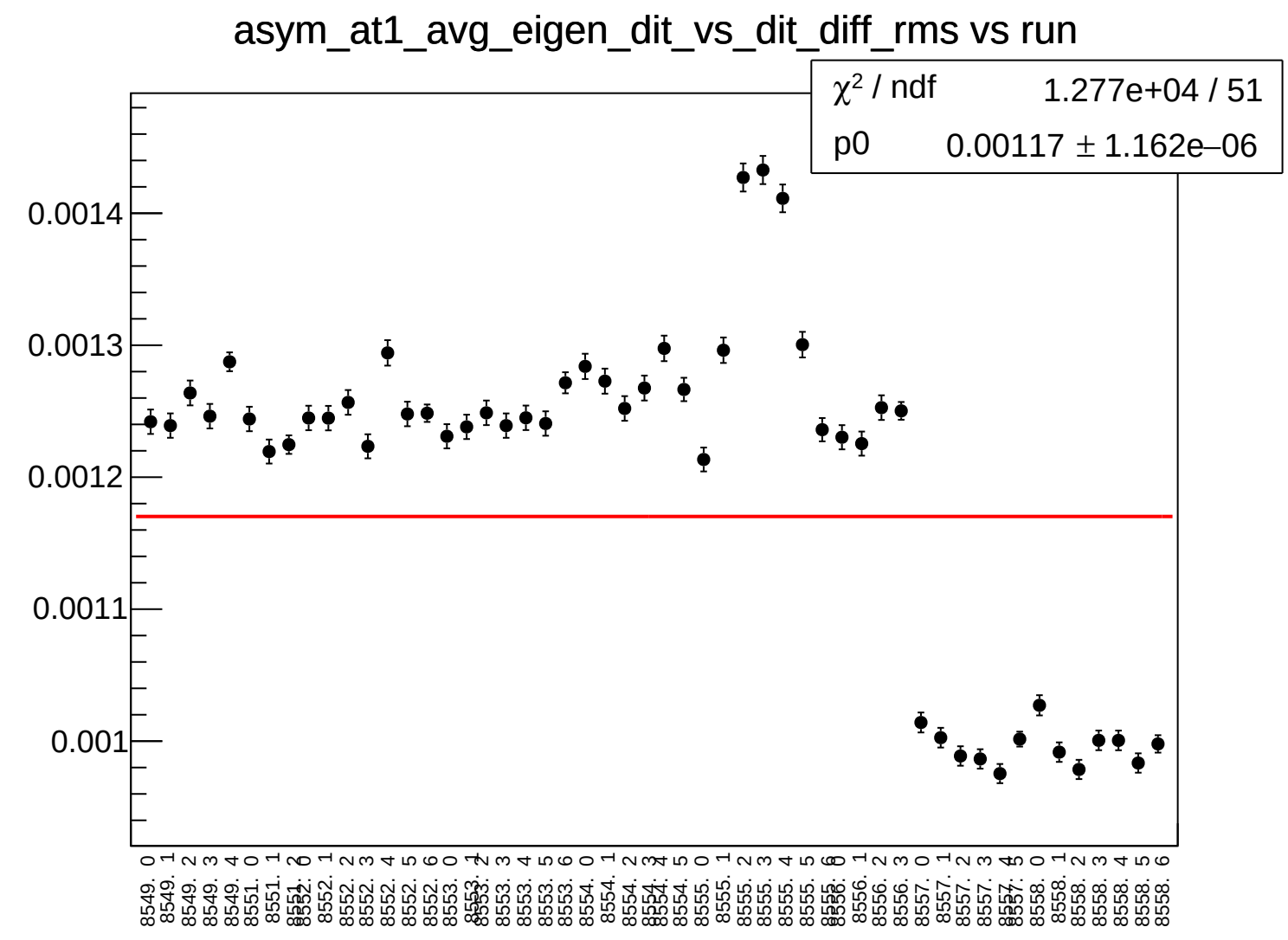
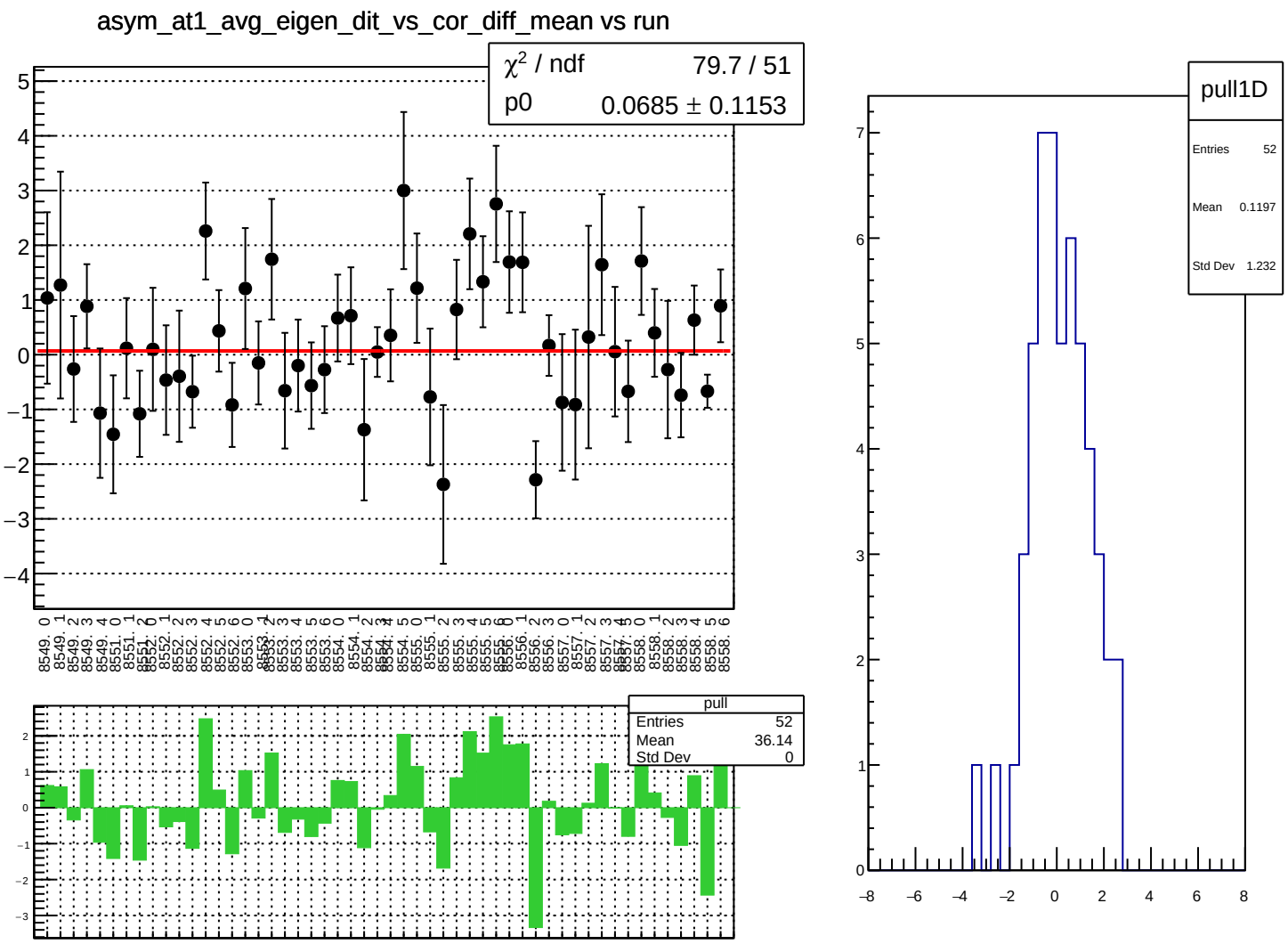
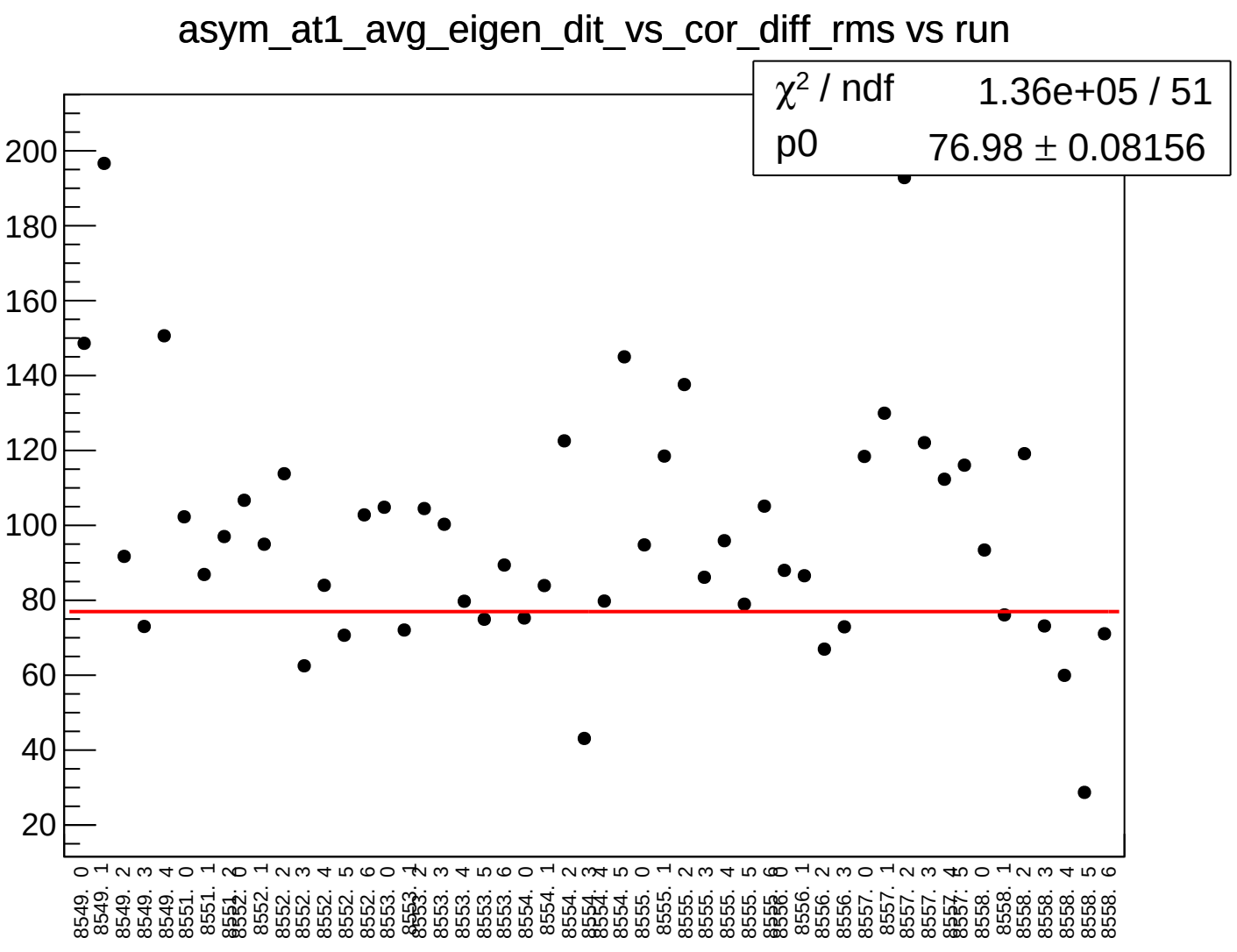
8558. 5
8558. 6


asym_at1_avg_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 85.11 / 51
p0 −6.854e−06 ± 1.644e−06
0.04
0.02
0
−0.02
−0.04
−0.06
pull
Entries 52
Mean −6.892
Std Dev 0
3
2
1
0
−1
−2


pull1D
Entries 52
Mean −0.05637
Std Dev 1.278
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 1.277e+04 / 51
p0 0.00117 ± 1.162e–06
0.0014
0.0013
0.0012
0.0011
0.001
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 5
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6


asym_at1_avg_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 79.7 / 51
p0 0.0685 ± 0.1153
pull
Entries 52
Mean 36.14
Std Dev 0
pull1D
Entries 52
Mean 0.1197
Std Dev 1.232


asym_at1_avg_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 1.36e+05 / 51
p0 76.98 ± 0.08156
200
180
160
140
120
100
80
60
40
20
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
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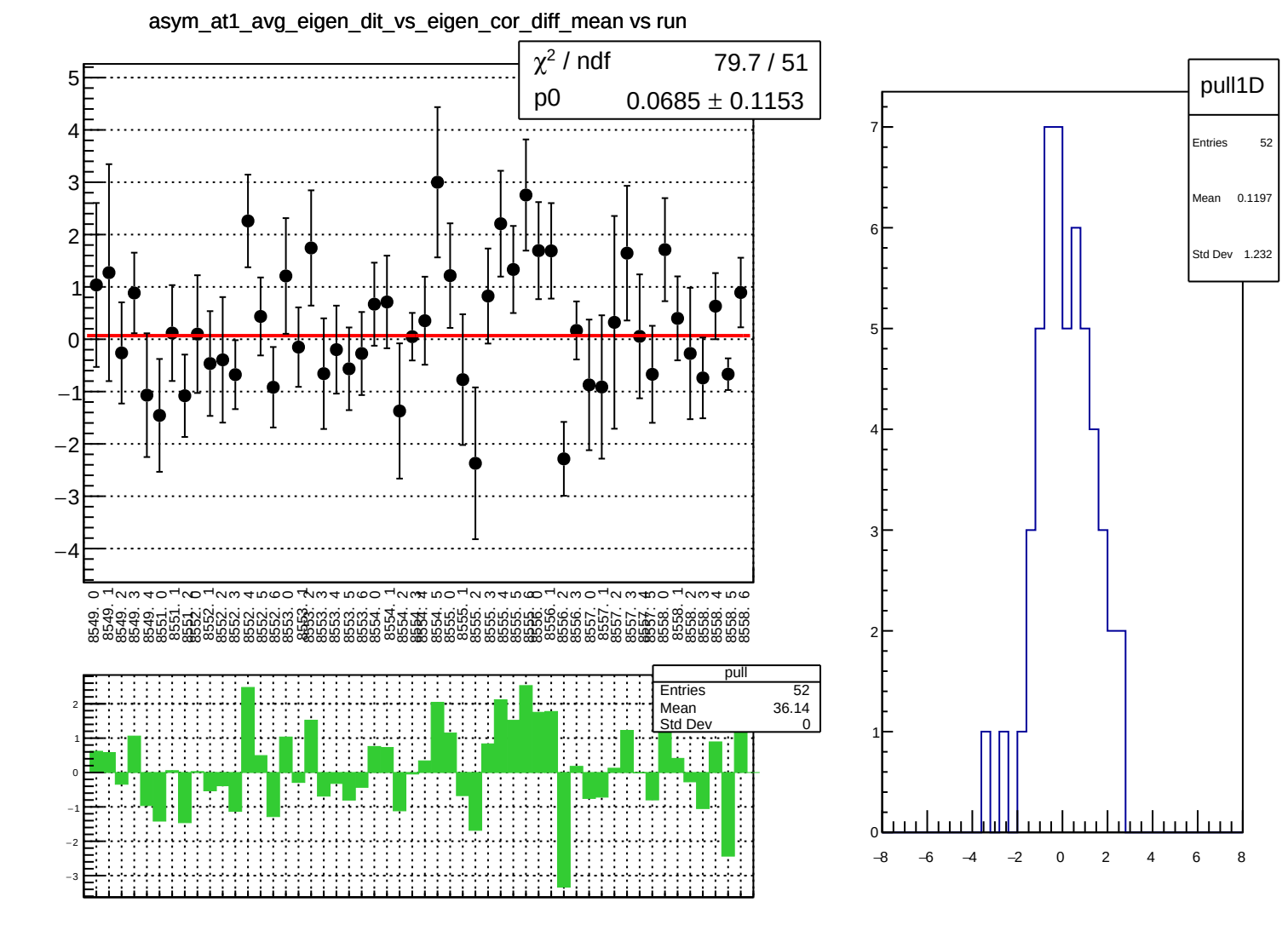
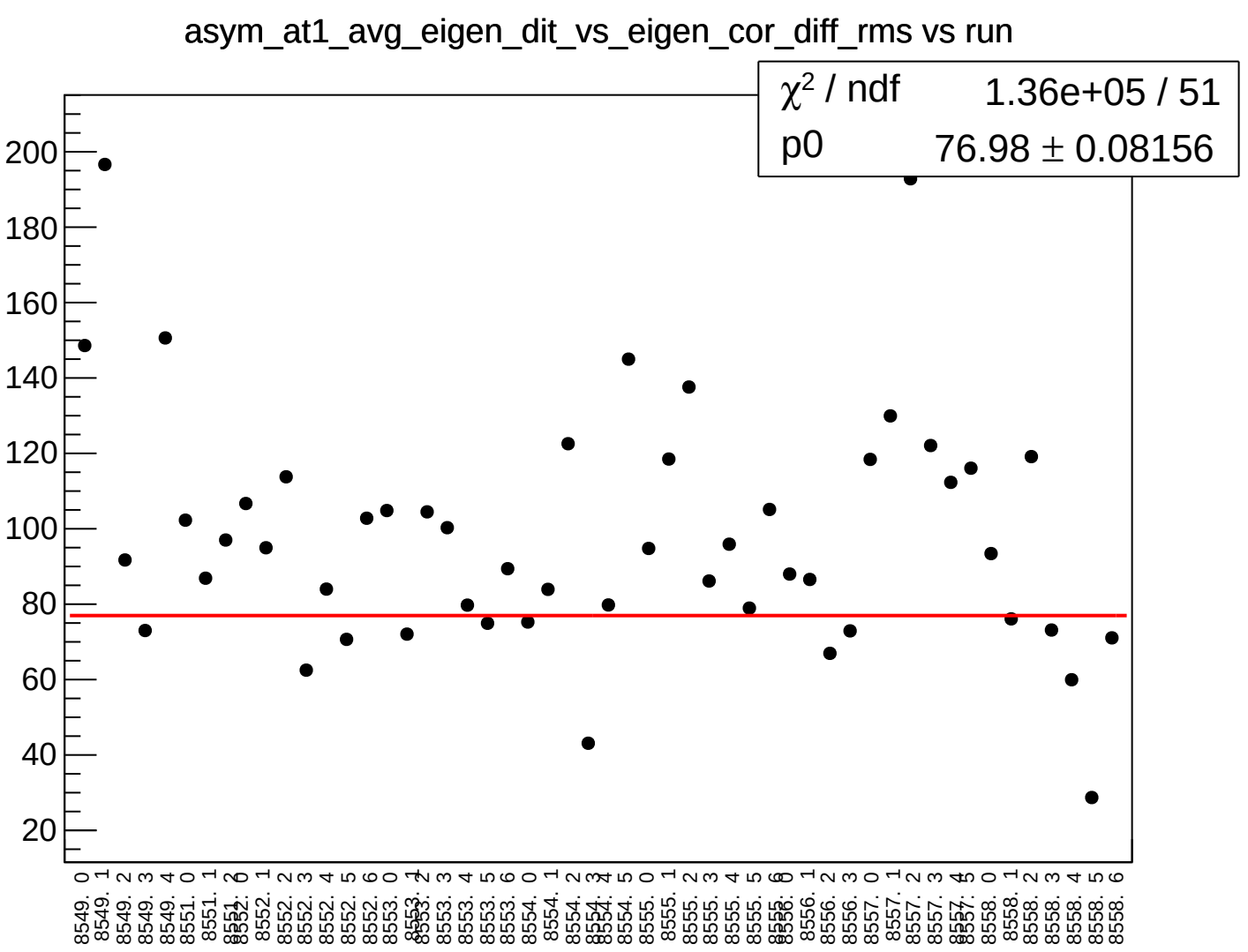
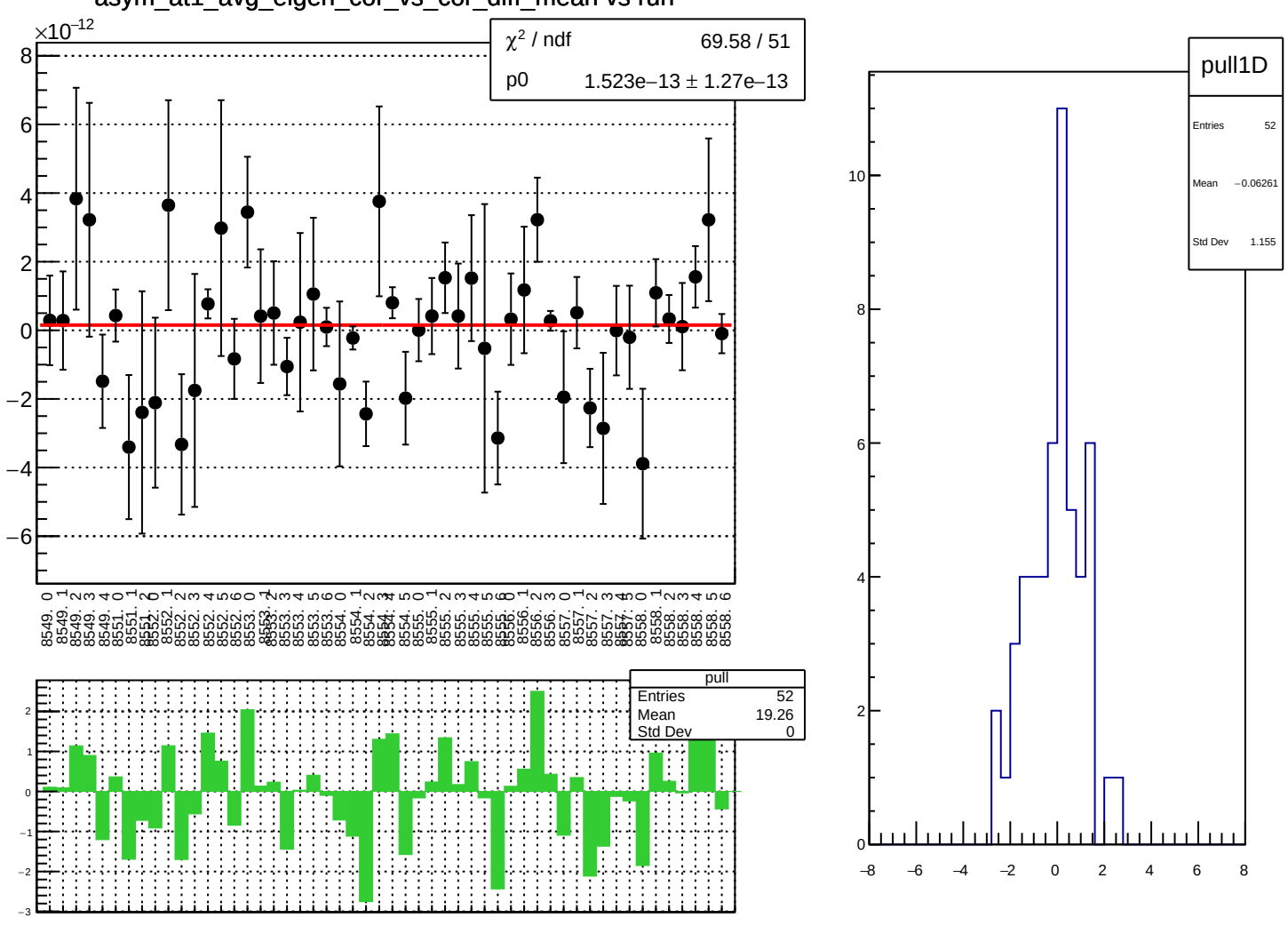
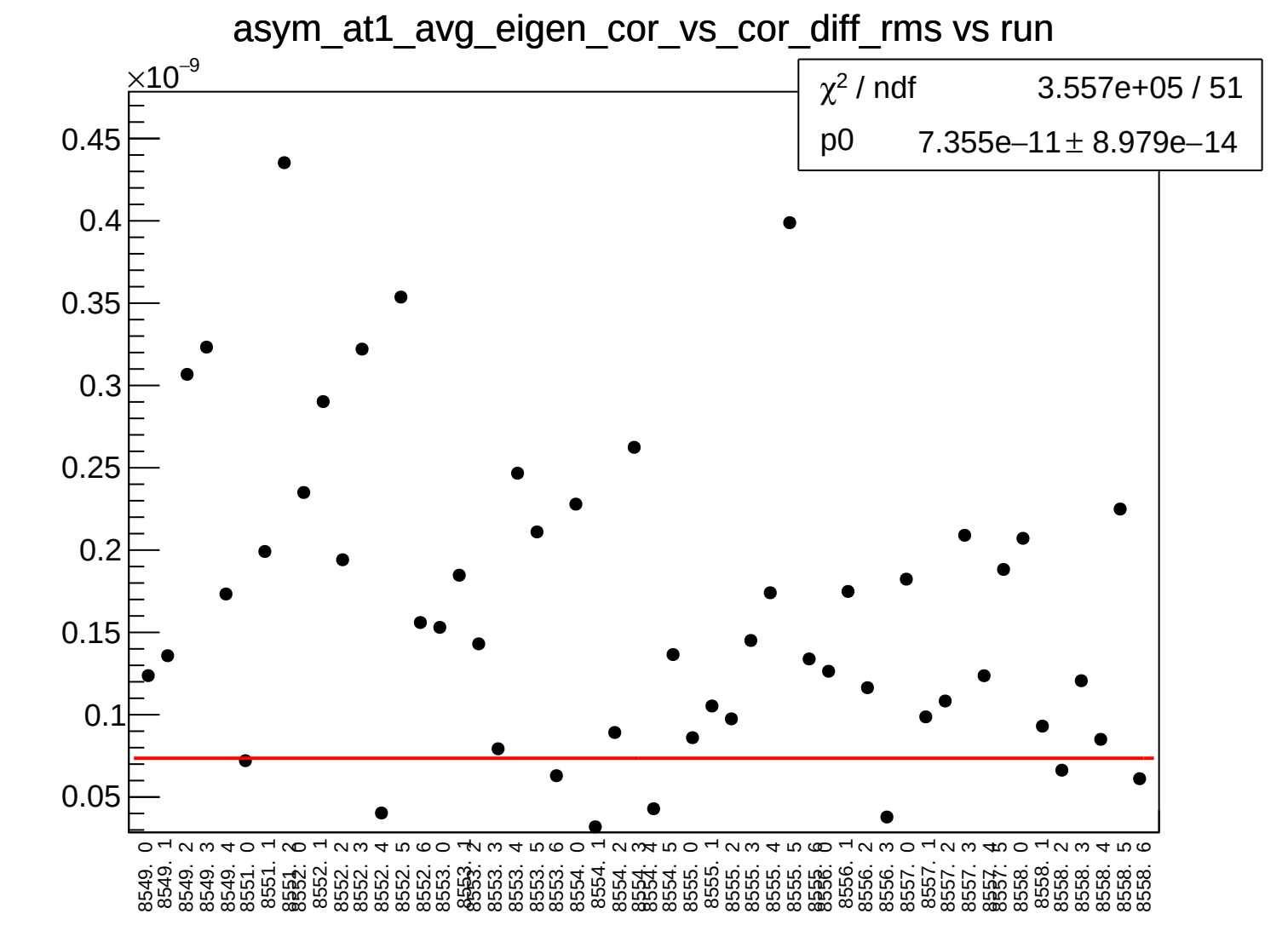
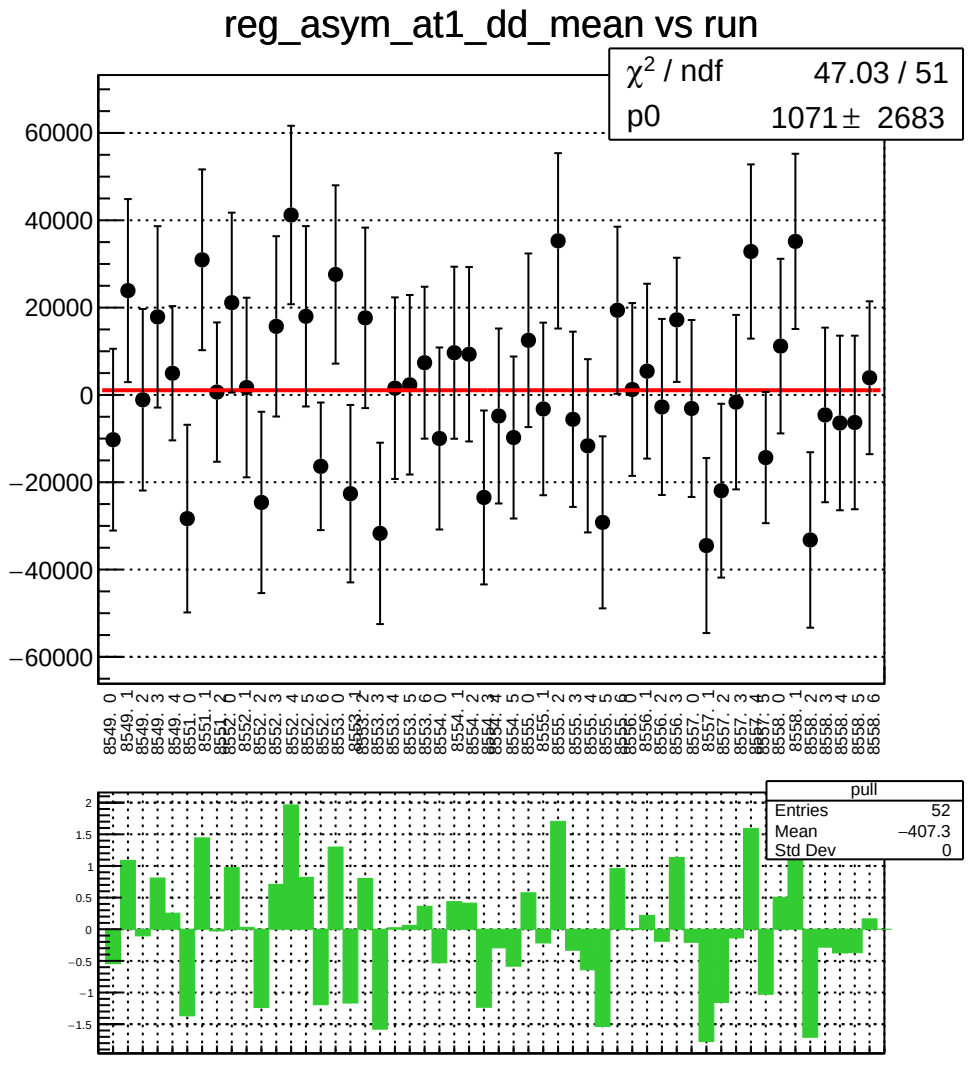
8558. 5
8558. 6

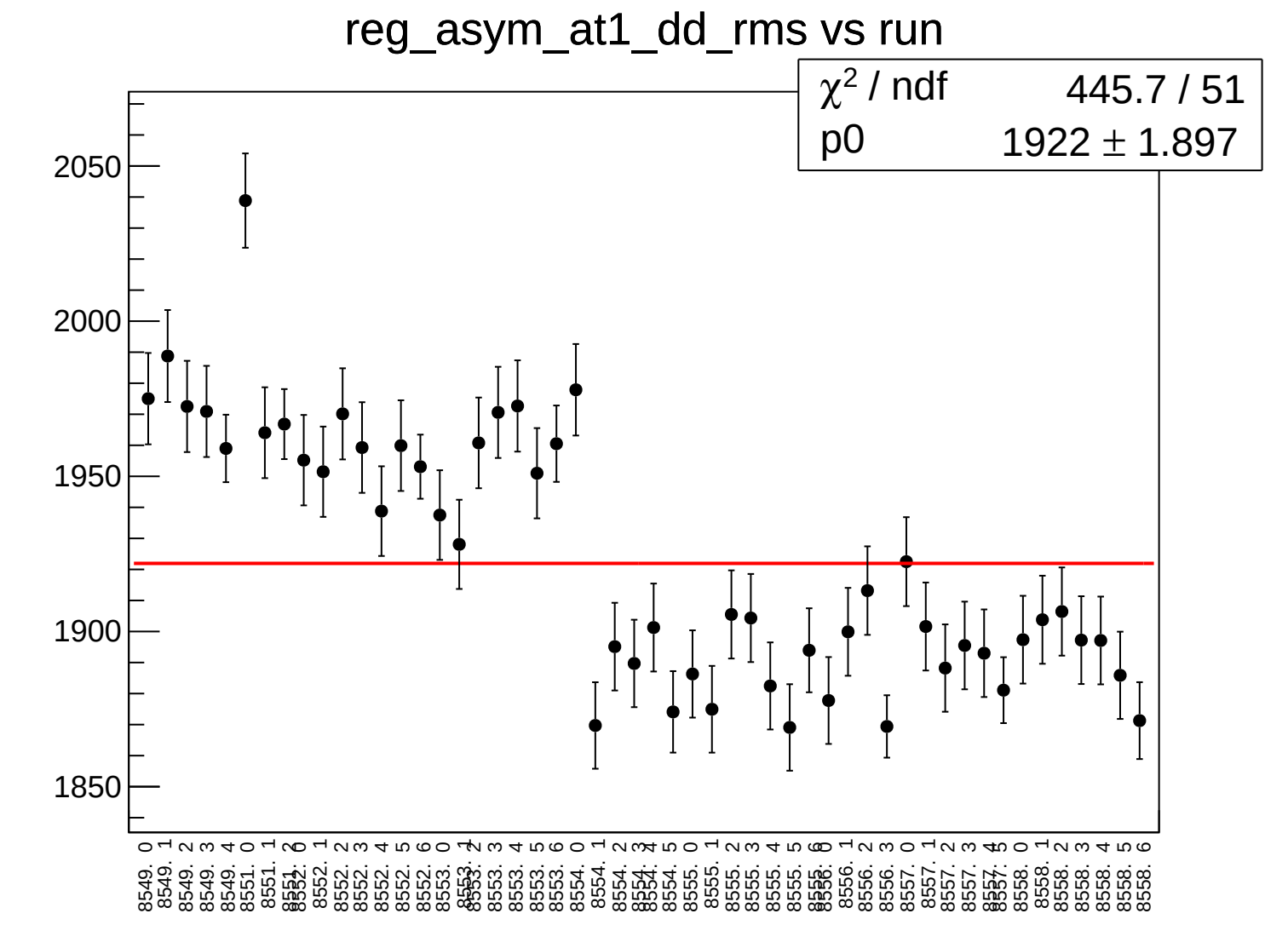

asym_at1_avg_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 79.7 / 51
p0 0.0685 ± 0.1153
pull
Entries 52
Mean 36.14
Std Dev 0
pull1D
Entries 52
Mean 0.1197
Std Dev 1.232

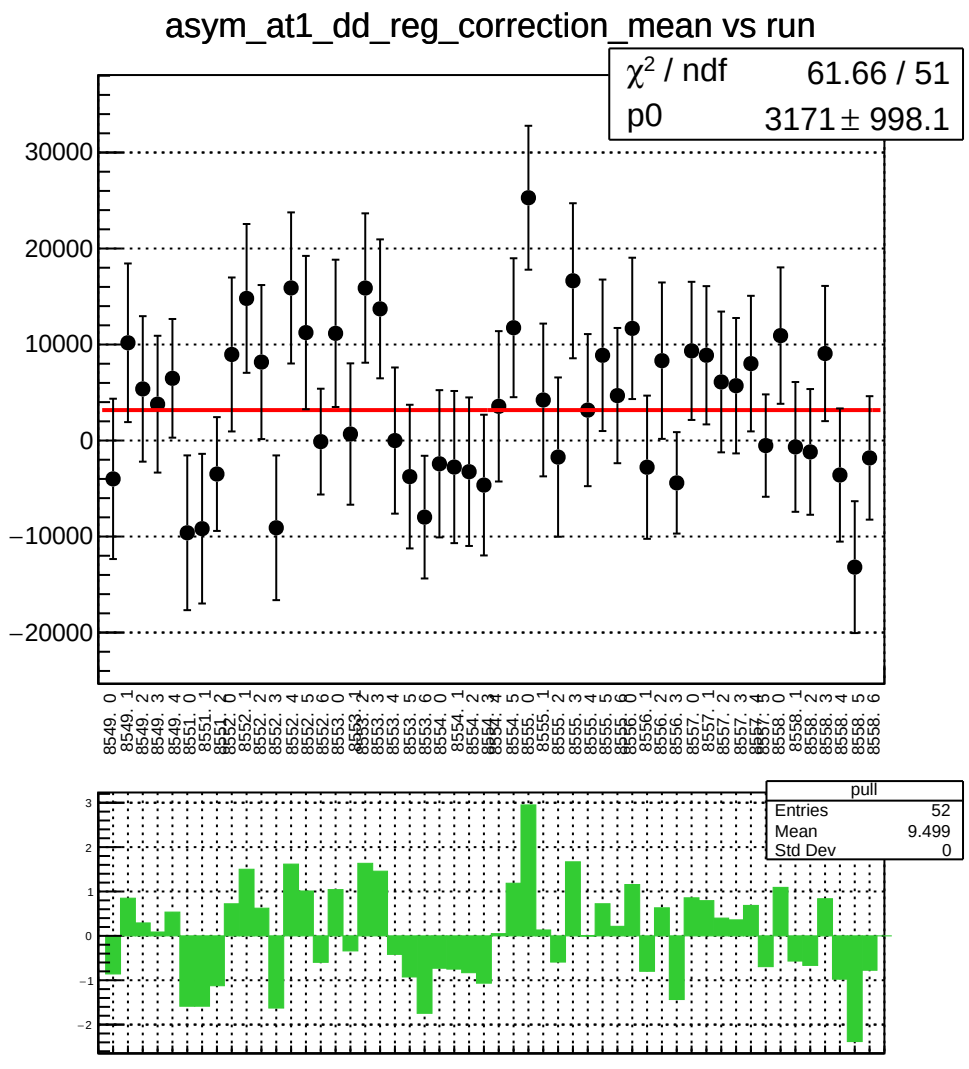

asym_at1_avg_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.36e+05 / 51
p0 76.98 ± 0.08156
200
180
160
140
120
100
80
60
40
20
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 5
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

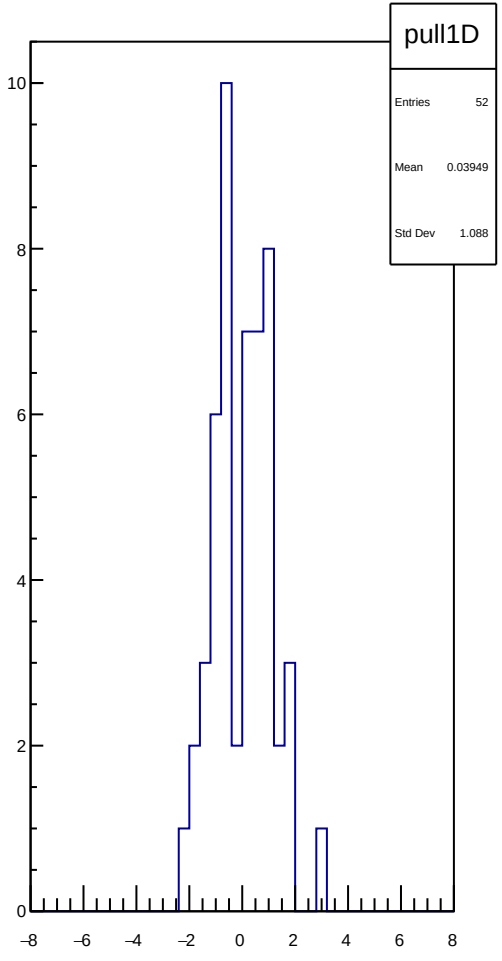

asym_at1_avg_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 69.58 / 51
p0 1.523e−13 ± 1.27e−13
pull
Entries 52
Mean 19.26
Std Dev 0
pull1D
Entries 52
Mean −0.06261
Std Dev 1.155

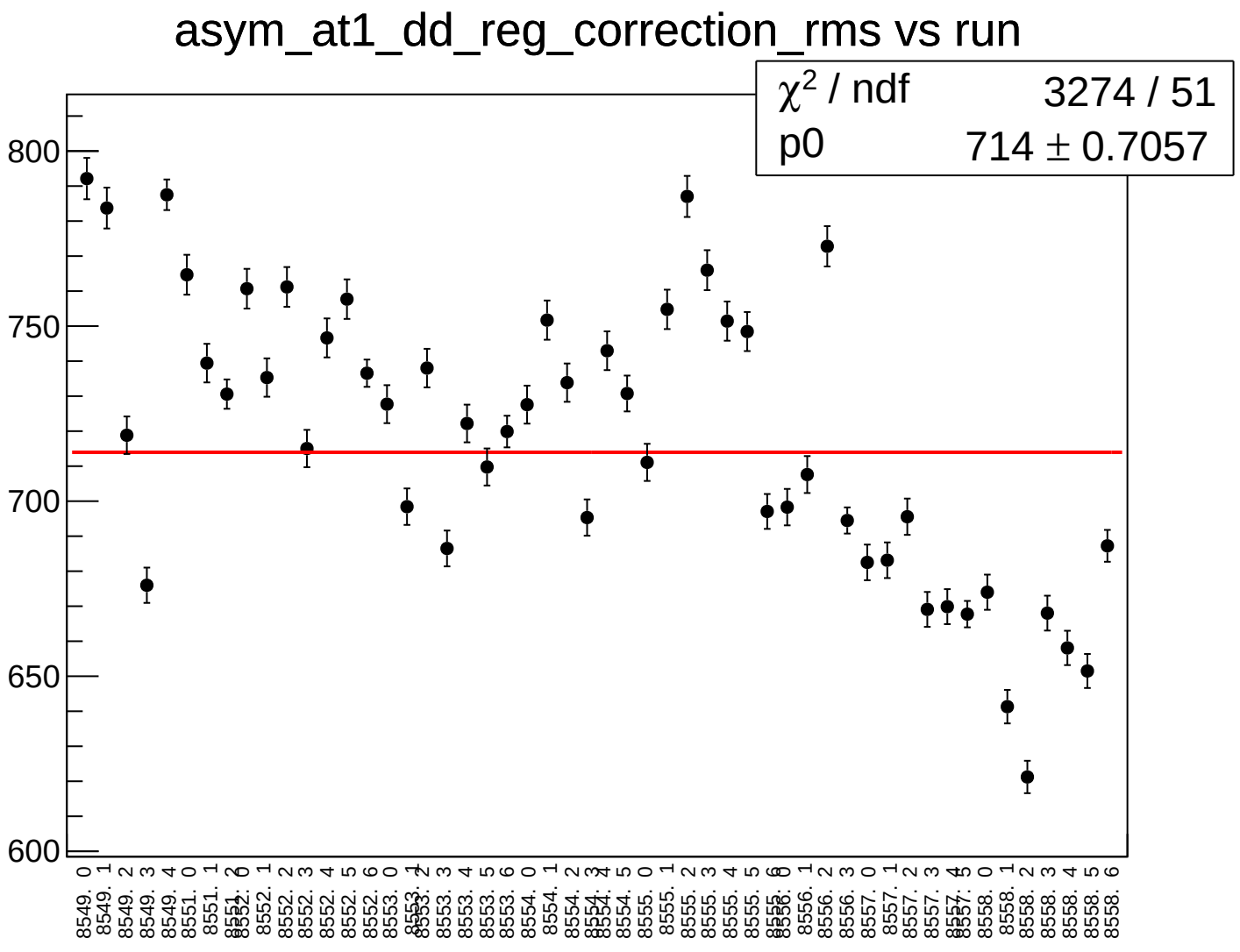

asym_at1_avg_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 3.557e+05 / 51
p0 7.355e−11 ± 8.979e−14
0.45
0.4
0.35
0.3
0.25
0.2
0.15
0.1
0.05
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 0
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 1
8553. 2
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 3
8554. 4
8554. 5
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8557. 4
8557. 5
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

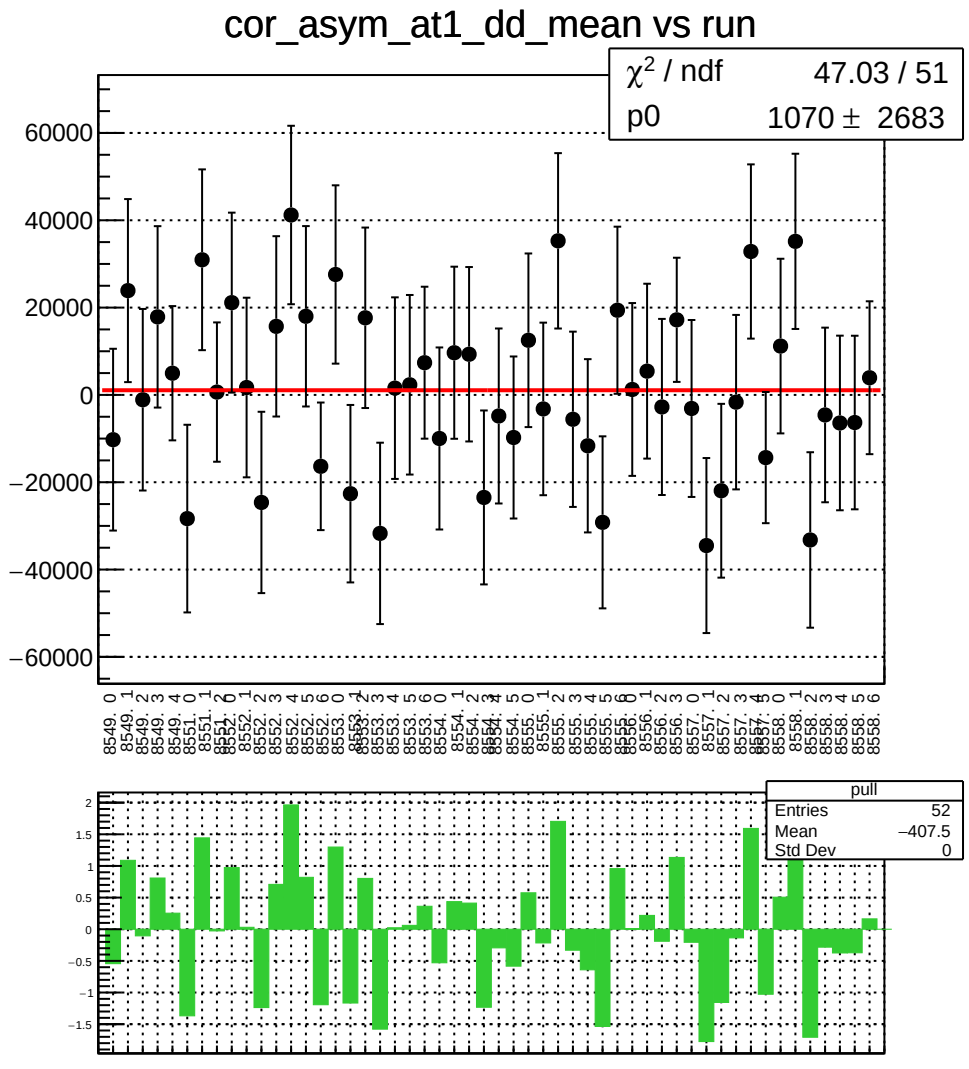

reg_asym_at1_dd_mean vs run
χ² / ndf 47.03 / 51
p0 1071 ± 2683
60000
40000
20000
0
−20000
−40000
−60000
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8551. 2
8551. 6
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 1
8553. 2
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 3
8554. 4
8554. 5
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8555. 6
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8557. 4
8557. 5
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6
pull
Entries 52
Mean −407.3
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 52
Mean 0.004606
Std Dev 0.951
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

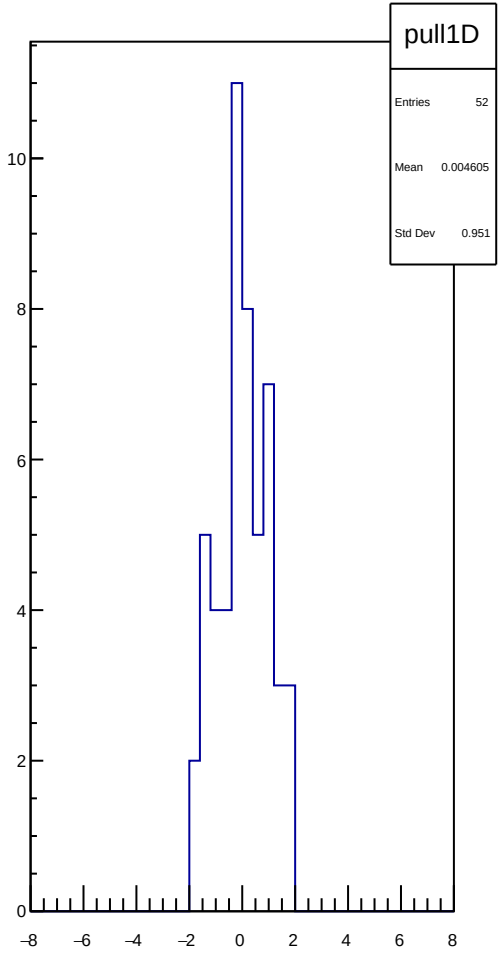

reg_asym_at1_dd_rms vs run
χ² / ndf 445.7 / 51
p0 1922 ± 1.897
2050
2000
1950
1900
1850
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 5
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

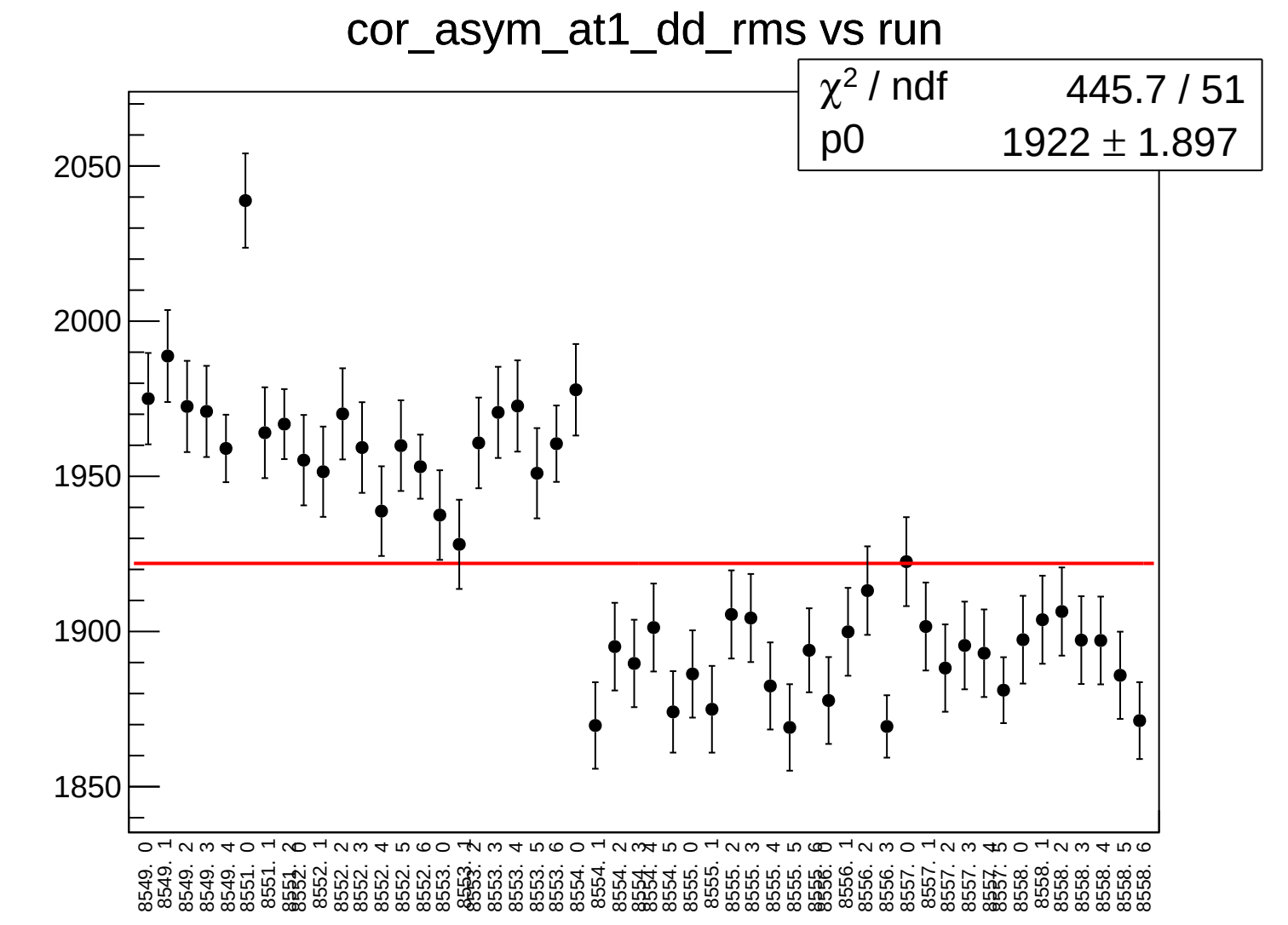

asym_at1_dd_reg_correction_mean vs run
χ² / ndf 61.66 / 51
p0 3171 ± 998.1
pull
Entries 52
Mean 9.499
Std Dev 0

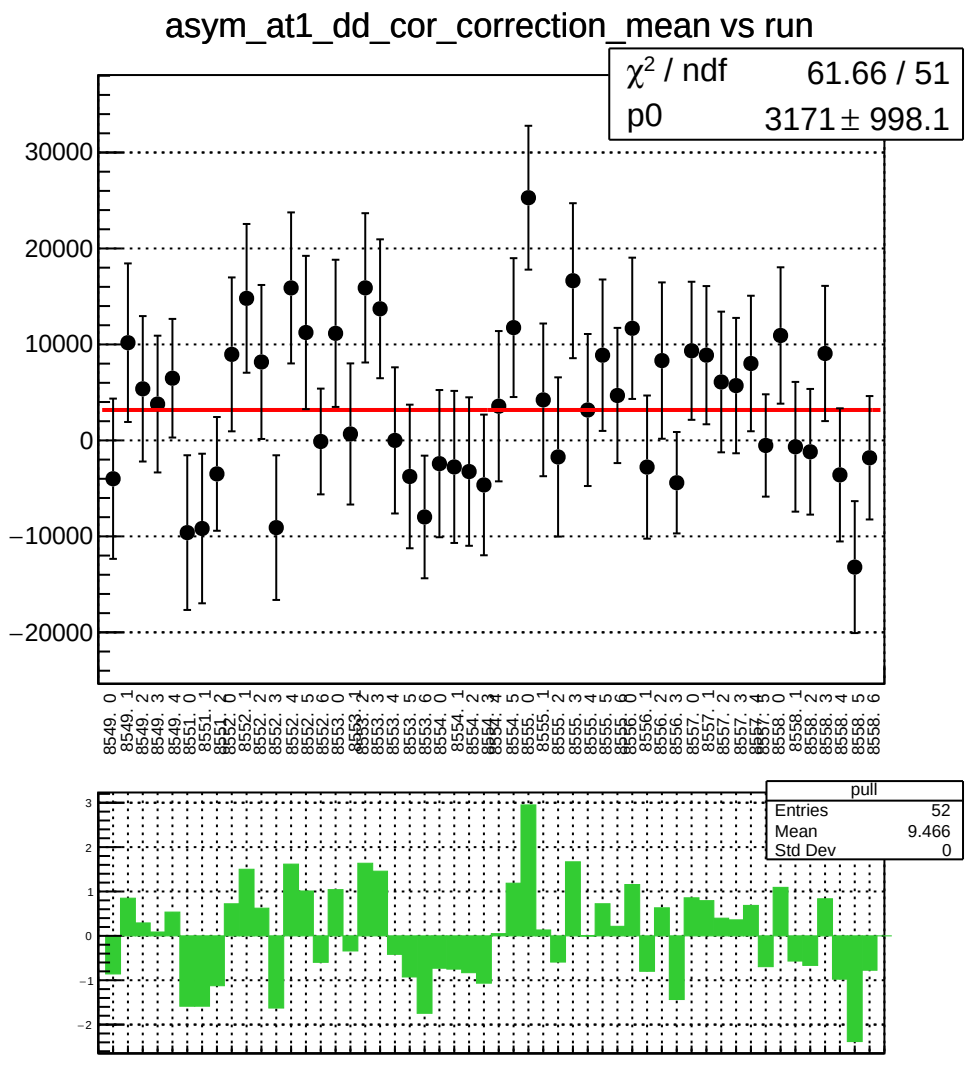

pull1D
Entries 52
Mean 0.03949
Std Dev 1.088

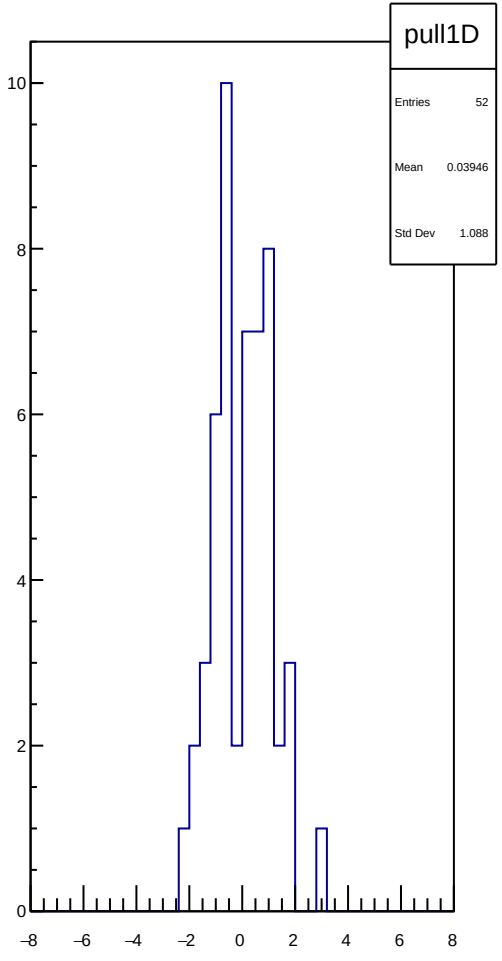

asym_at1_dd_reg_correction_rms vs run
χ² / ndf 3274 / 51
p0 714 ± 0.7057
800
750
700
650
600
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

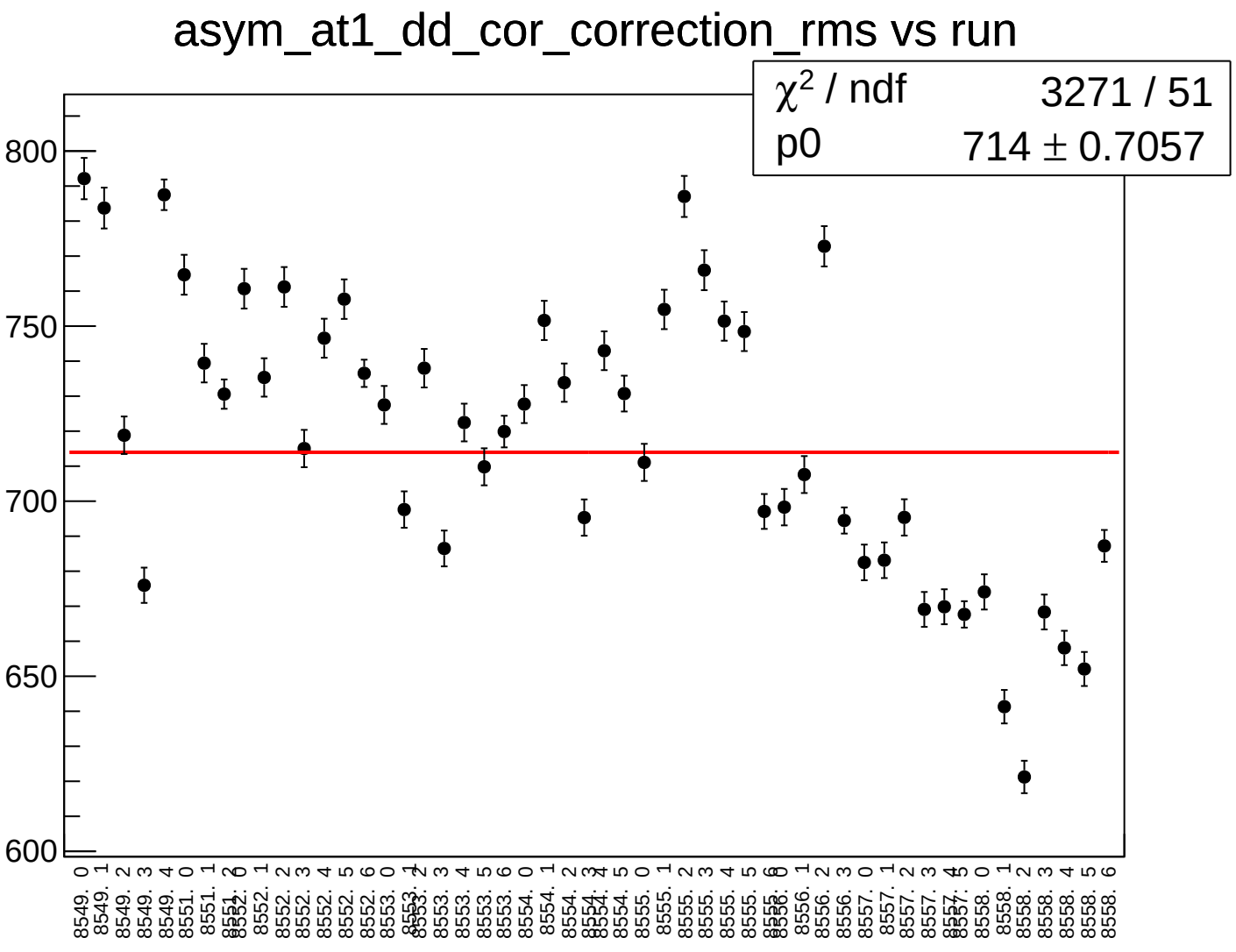

cor_asym_at1_dd_mean vs run
χ² / ndf 47.03 / 51
p0 1070 ± 2683
pull
Entries 52
Mean −407.5
Std Dev 0


pull1D
Entries 52
Mean 0.004605
Std Dev 0.951


cor_asym_at1_dd_rms vs run
χ² / ndf 445.7 / 51
p0 1922 ± 1.897
2050
2000
1950
1900
1850
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 5
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6


asym_at1_dd_cor_correction_mean vs run
χ² / ndf 61.66 / 51
p0 3171 ± 998.1
30000
20000
10000
0
−10000
−20000
pull
Entries 52
Mean 9.466
Std Dev 0
3
2
1
0
−1
−2


pull1D
Entries 52
Mean 0.03946
Std Dev 1.088
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


asym_at1_dd_cor_correction_rms vs run
χ² / ndf 3271 / 51
p0 714 ± 0.7057
800
750
700
650
600
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
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8556. 1
8556. 2
8556. 3
8557. 0
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8557. 2
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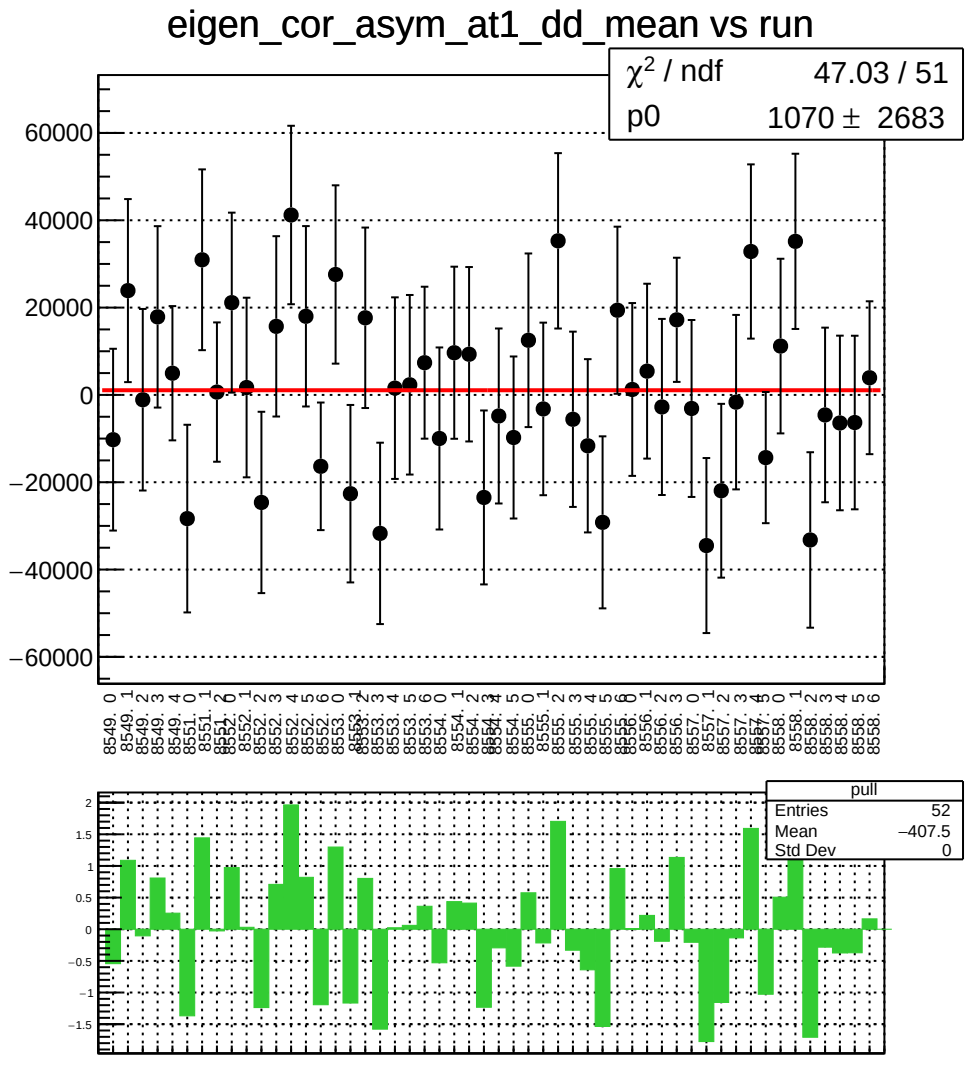
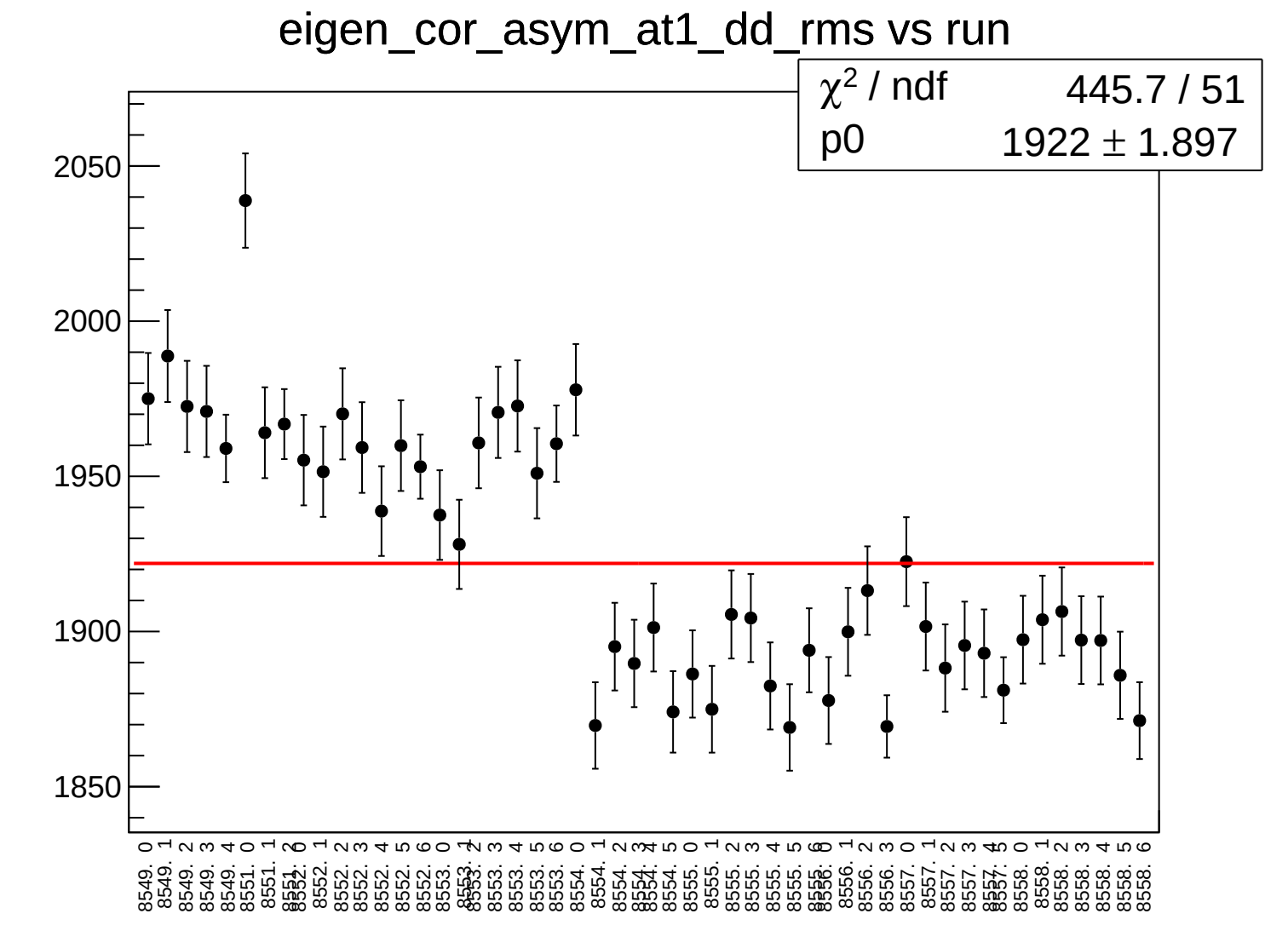
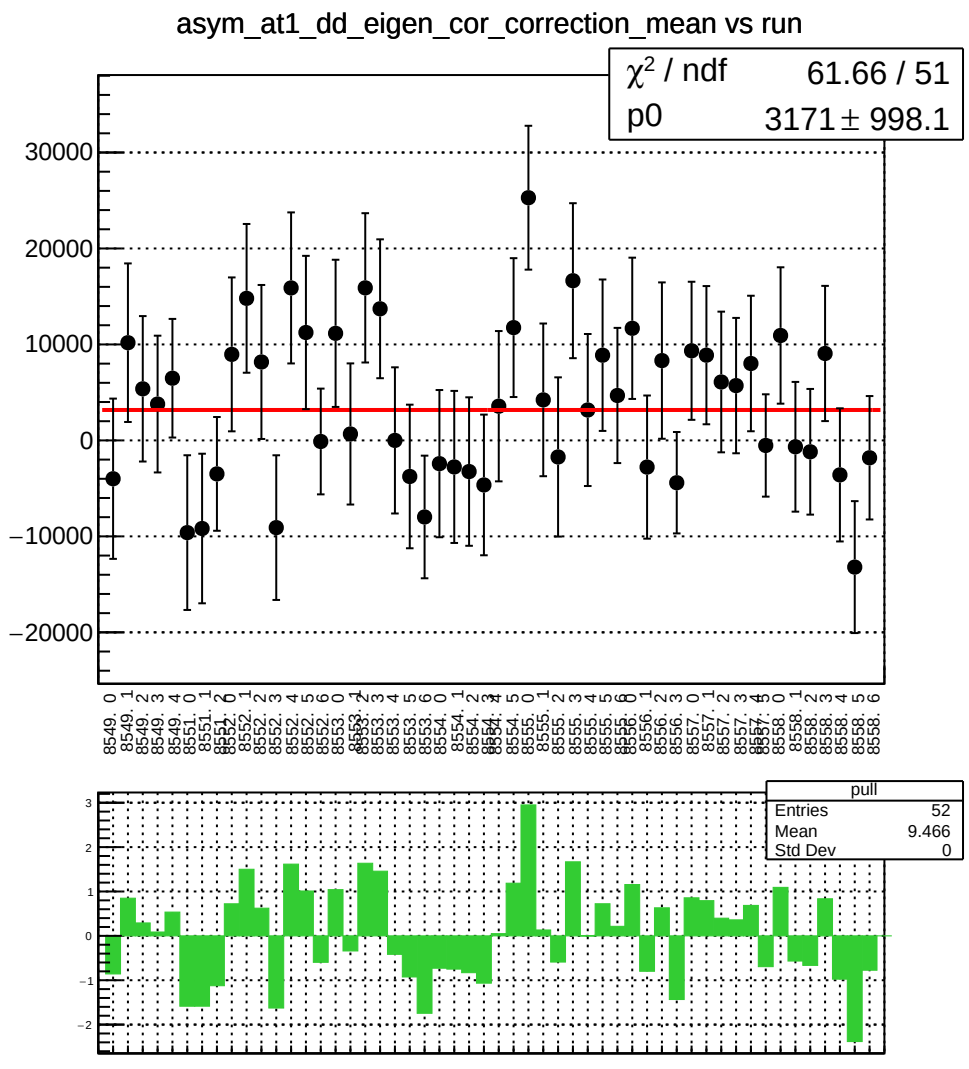
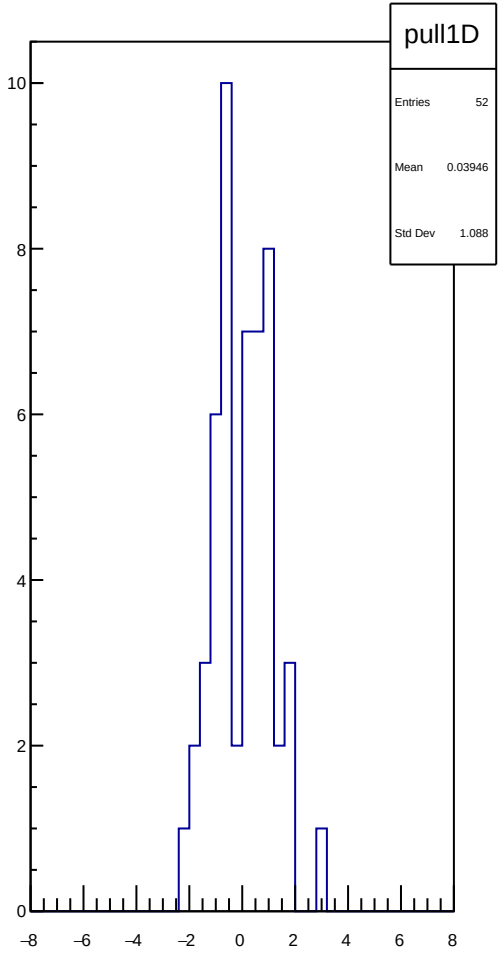
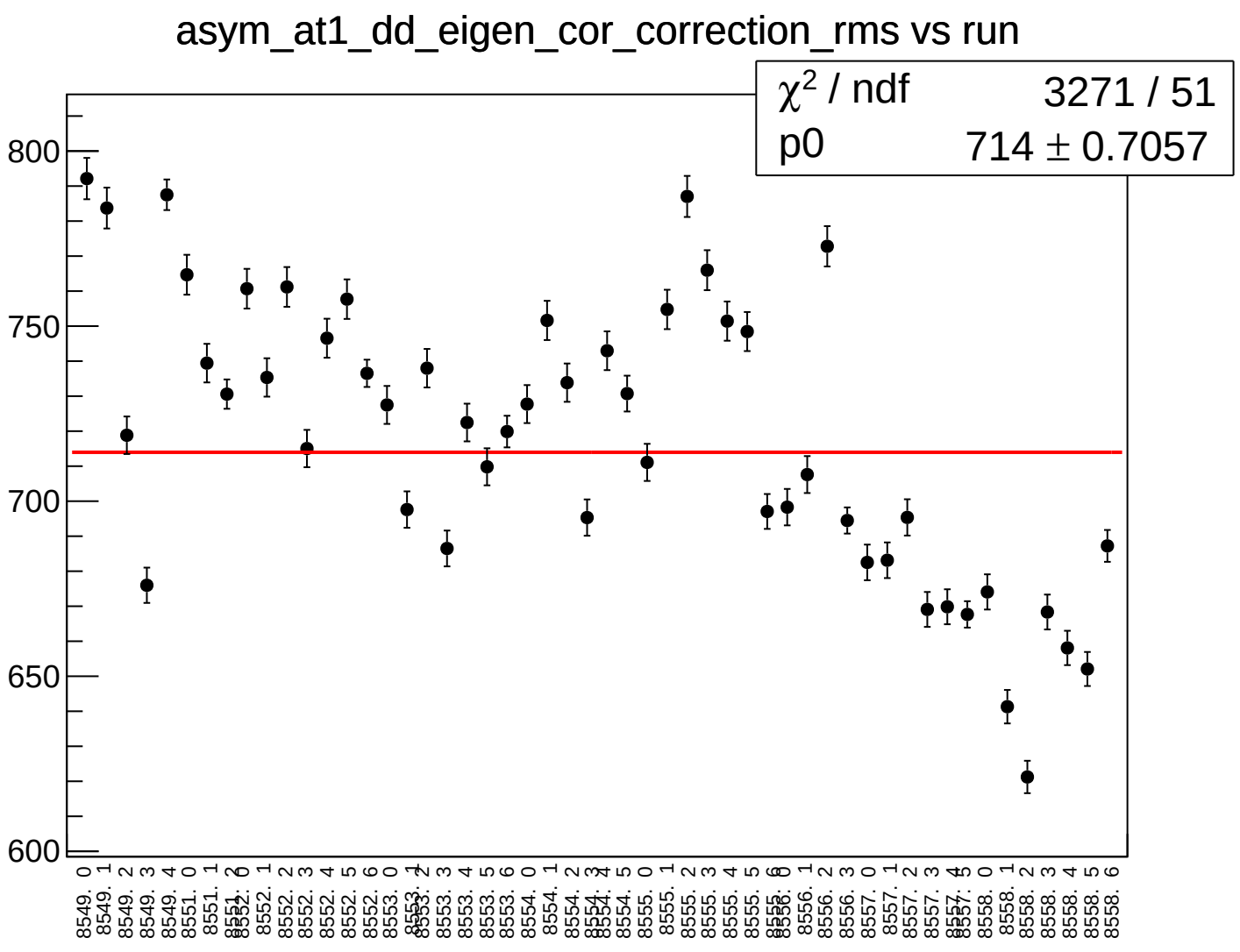
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6


eigen_cor_asym_at1_dd_mean vs run
χ² / ndf 47.03 / 51
p0 1070 ± 2683
60000
40000
20000
0
−20000
−40000
−60000
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8551. 2
8551. 6
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 1
8553. 2
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 3
8554. 4
8554. 5
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8555. 6
8556. 1
8556. 2
8556. 3
8556. 4
8557. 0
8557. 1
8557. 2
8557. 3
8557. 4
8557. 5
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6
pull
Entries 52
Mean −407.5
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 52
Mean 0.004605
Std Dev 0.951
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 445.7 / 51
p0 1922 ± 1.897
2050
2000
1950
1900
1850
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 5
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6


asym_at1_dd_eigen_cor_correction_mean vs run
χ² / ndf 61.66 / 51
p0 3171 ± 998.1
30000
20000
10000
0
−10000
−20000
pull
Entries 52
Mean 9.466
Std Dev 0
3
2
1
0
−1
−2


pull1D
Entries 52
Mean 0.03946
Std Dev 1.088
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


asym_at1_dd_eigen_cor_correction_rms vs run
χ² / ndf 3271 / 51
p0 714 ± 0.7057
800
750
700
650
600
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 5
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
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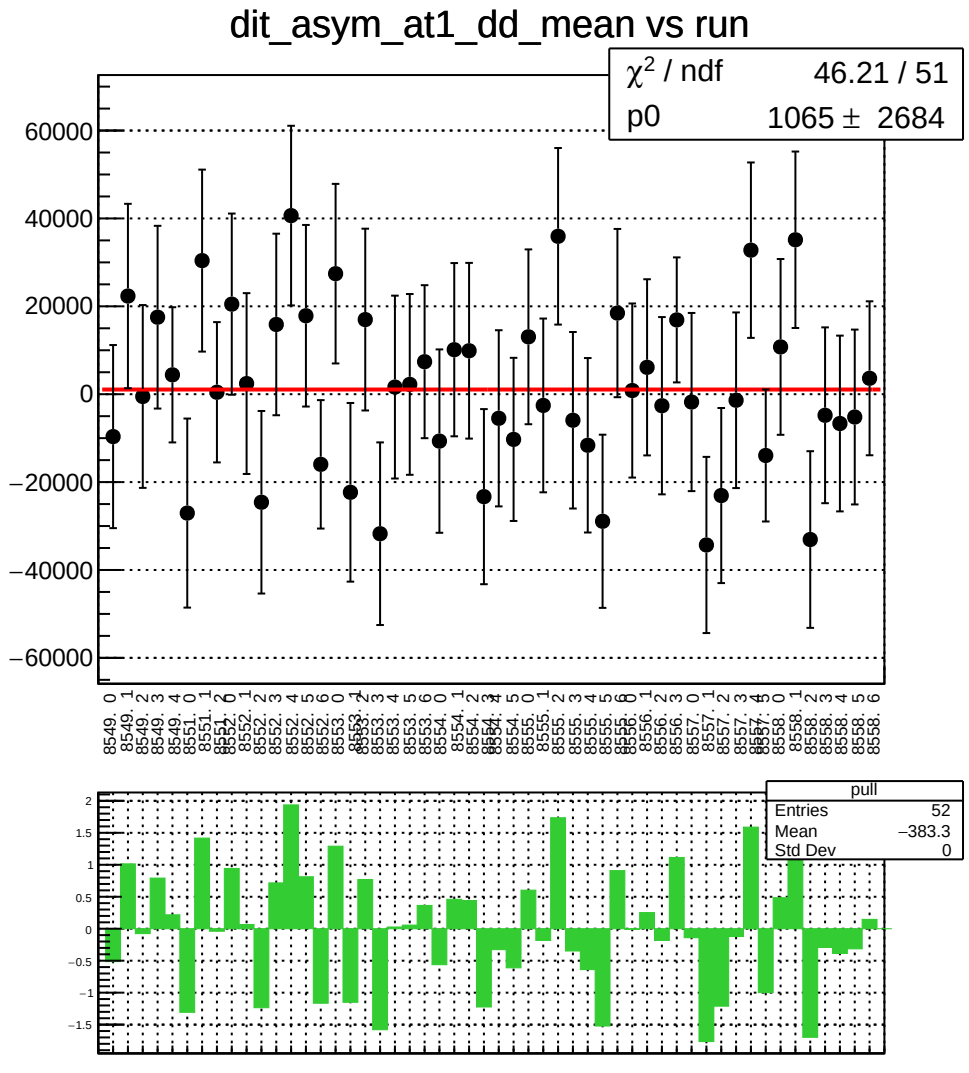
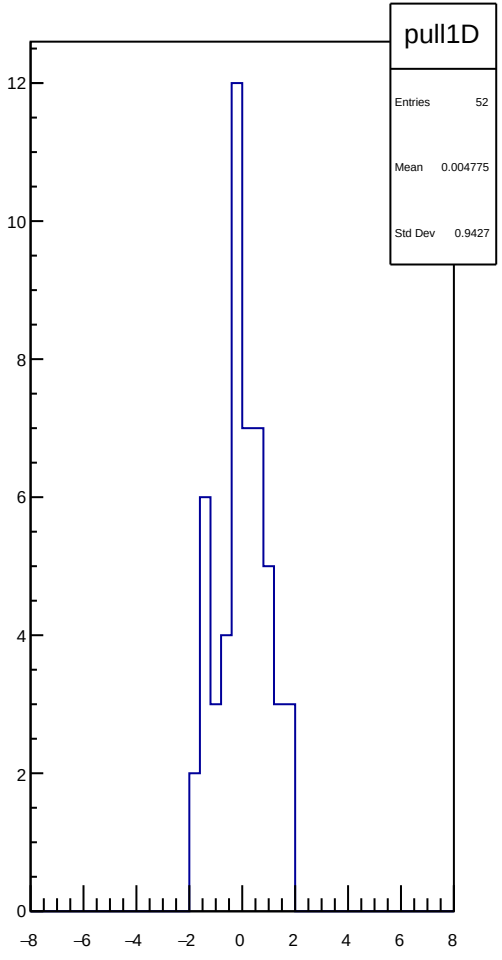
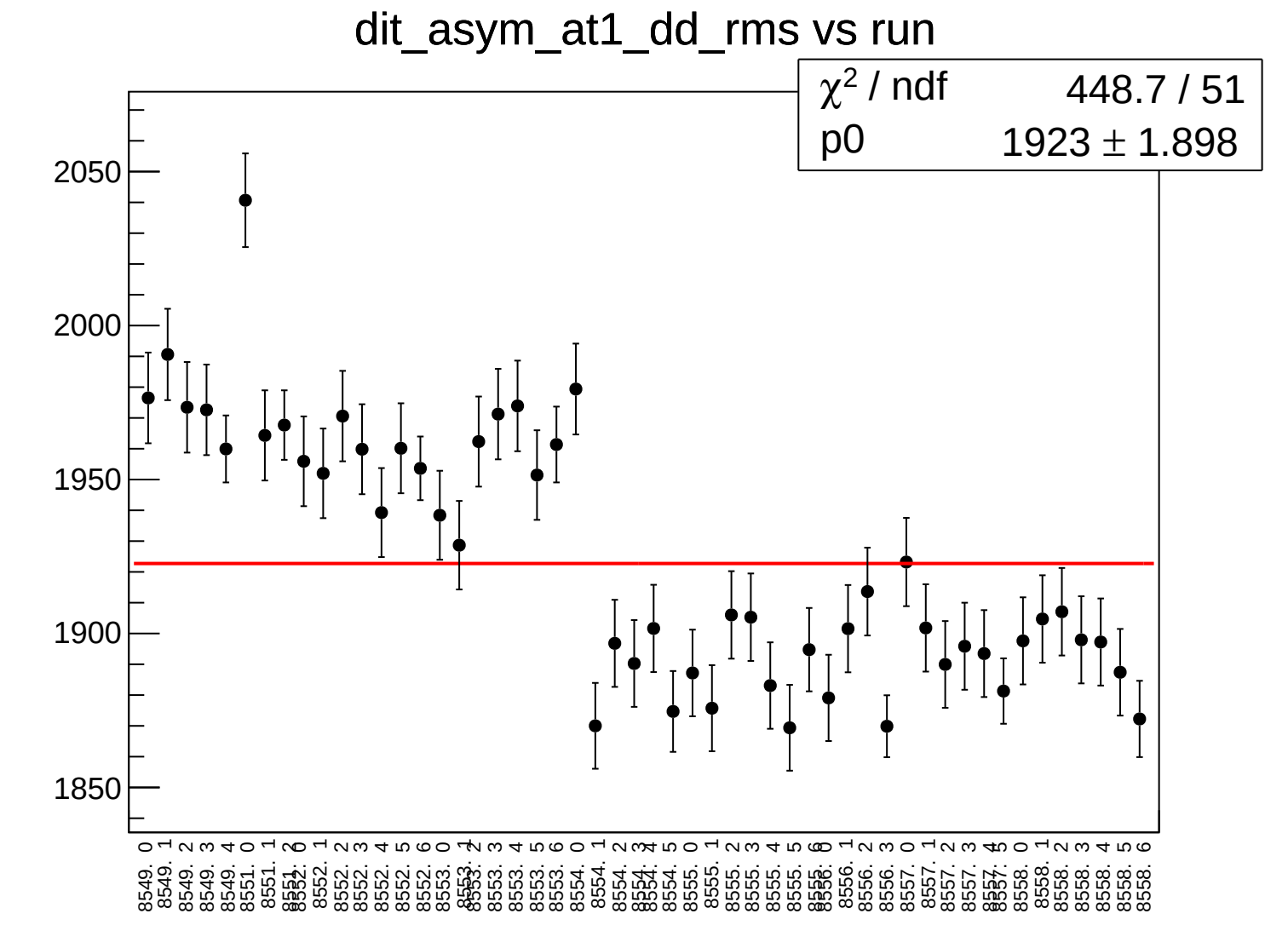
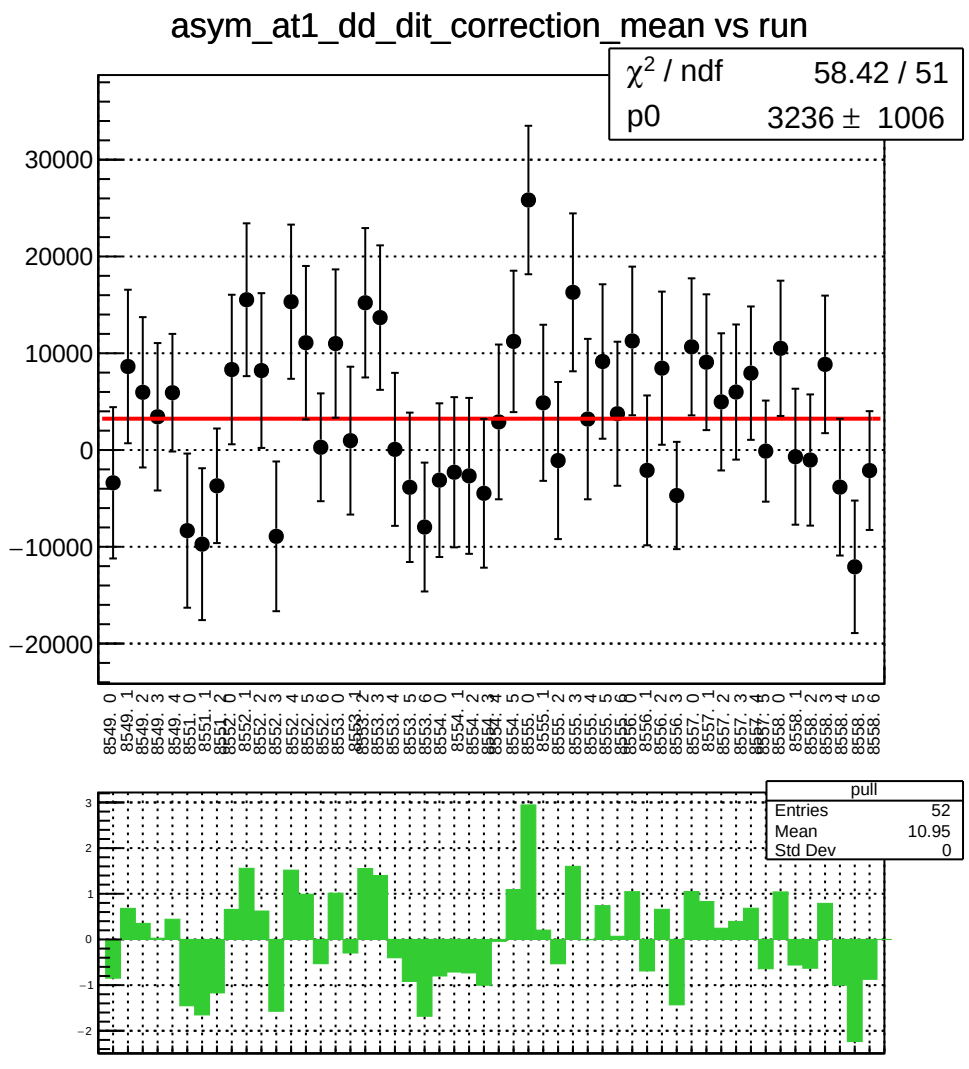
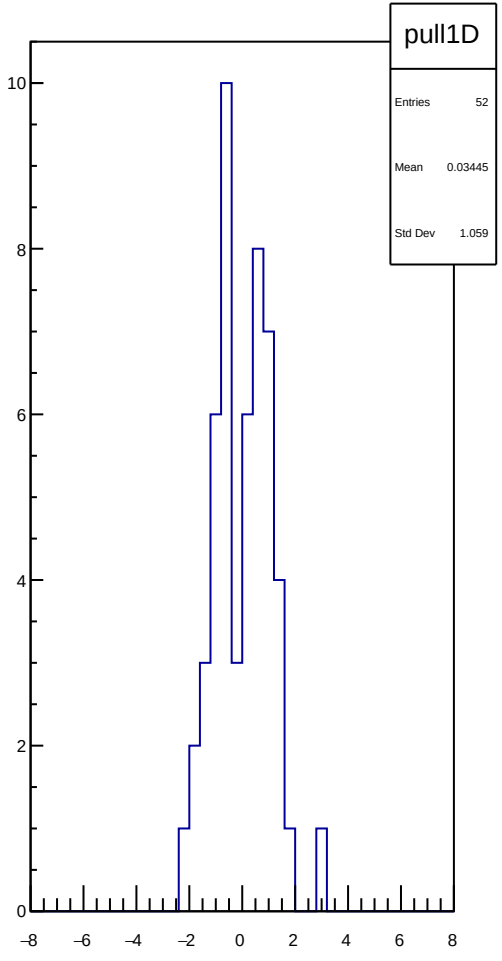
8558. 5
8558. 6

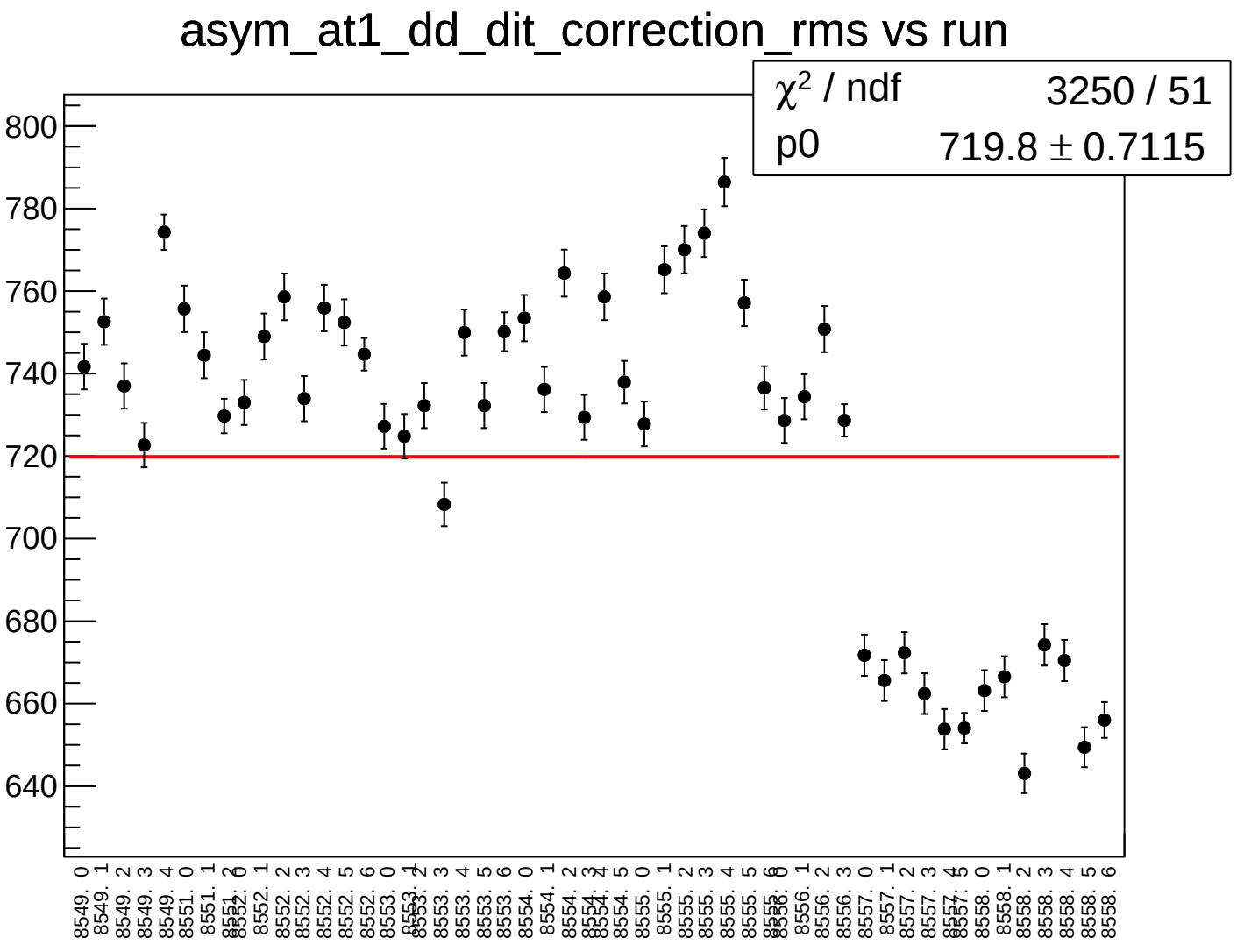

dit_asym_at1_dd_mean vs run
χ² / ndf 46.21 / 51
p0 1065 ± 2684
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 52
Mean −383.3
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5

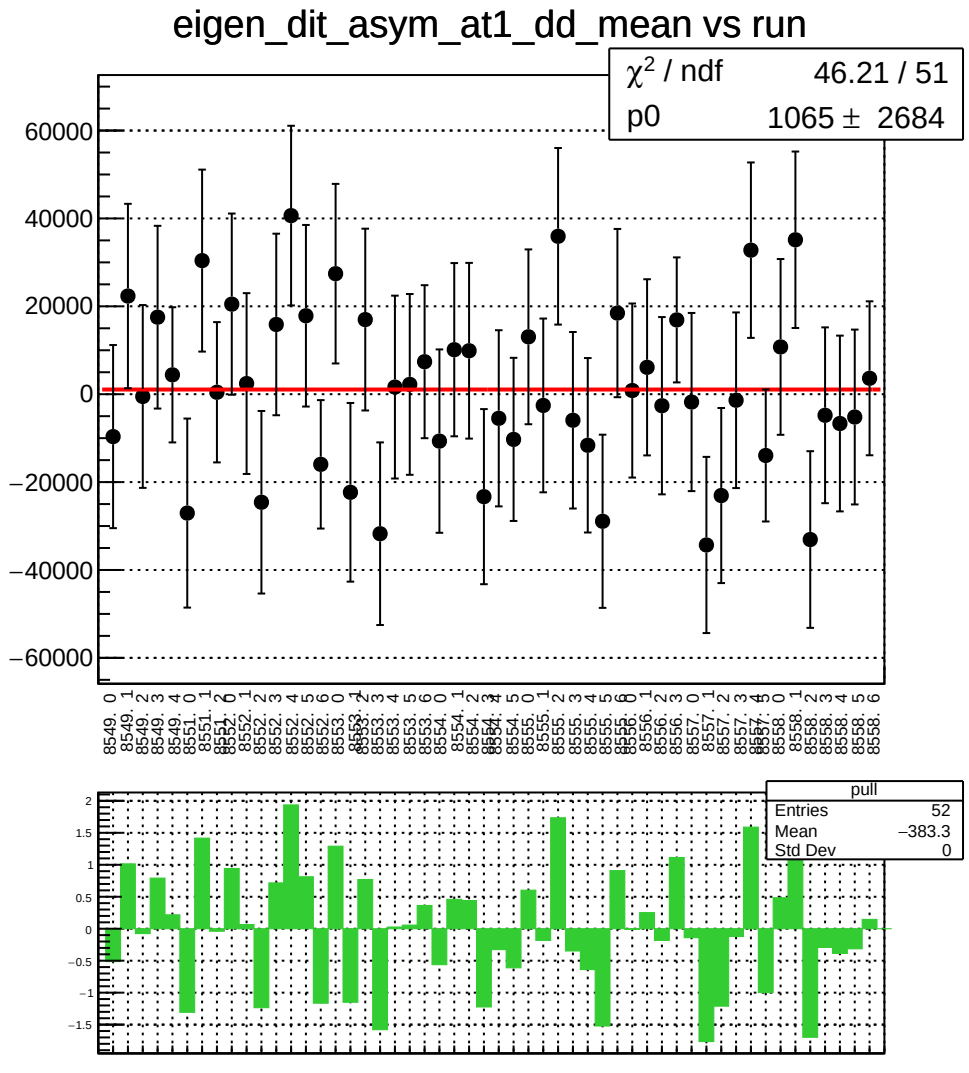

pull1D
Entries 52
Mean 0.004775
Std Dev 0.9427
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

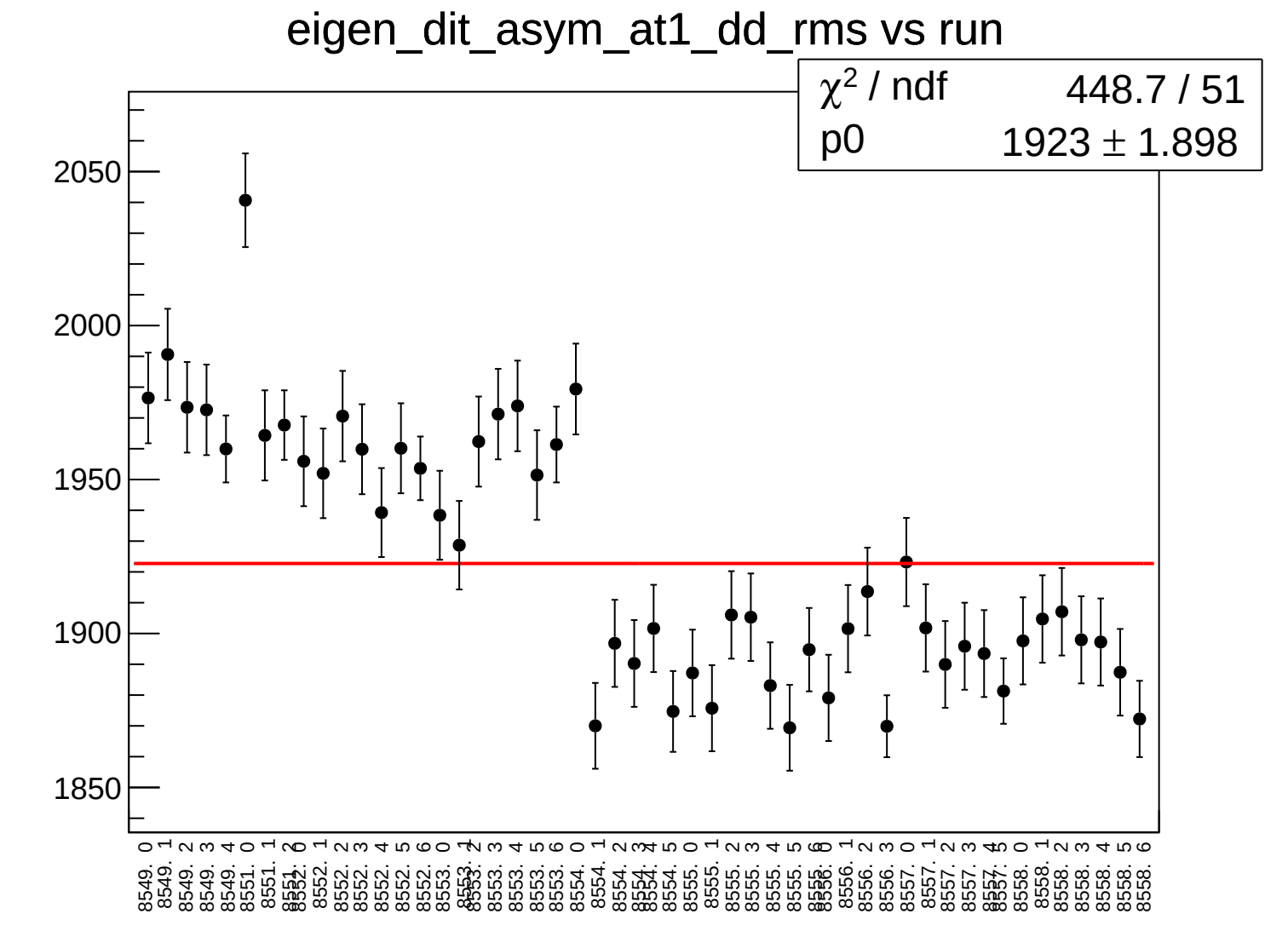

dit_asym_at1_dd_rms vs run
χ² / ndf 448.7 / 51
p0 1923 ± 1.898
2050
2000
1950
1900
1850
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

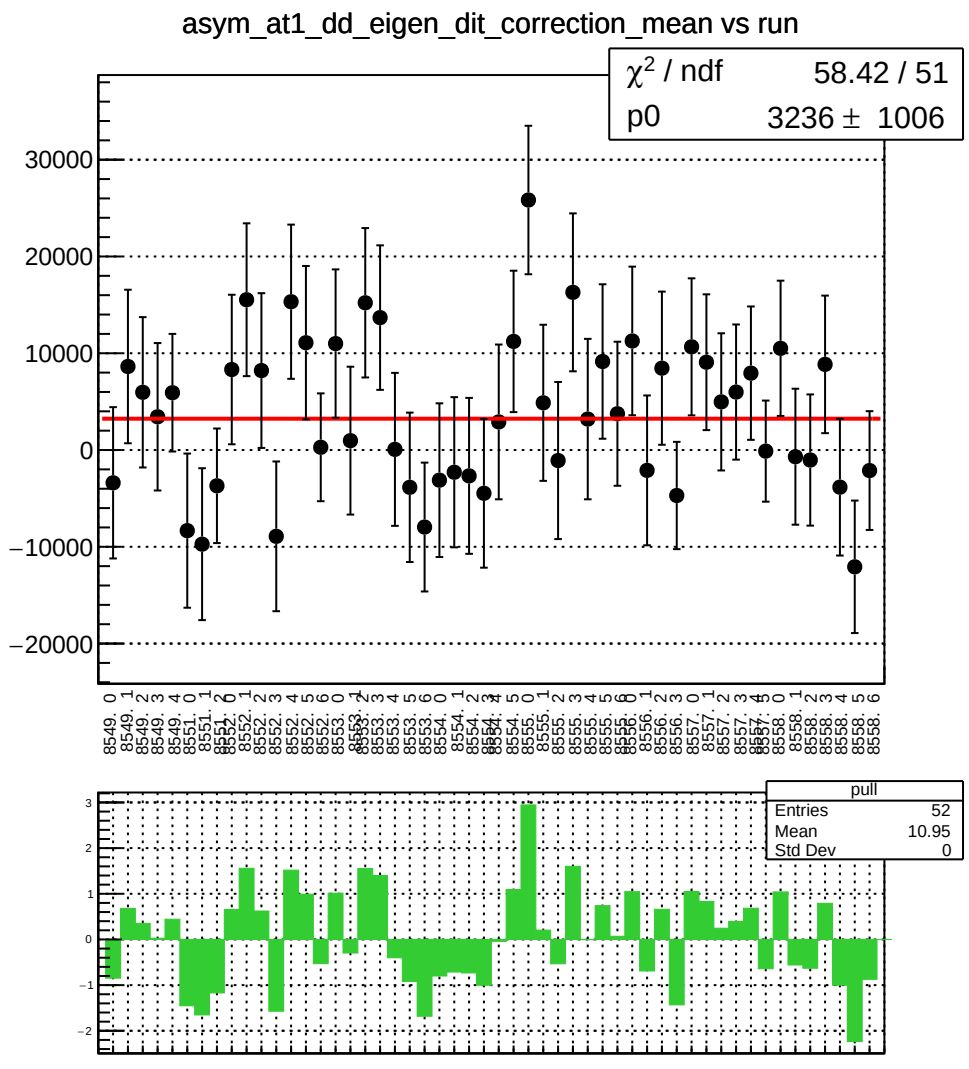

asym_at1_dd_dit_correction_mean vs run
χ² / ndf 58.42 / 51
p0 3236 ± 1006
30000
20000
10000
0
−10000
−20000
pull
Entries 52
Mean 10.95
Std Dev 0
3
2
1
0
−1
−2

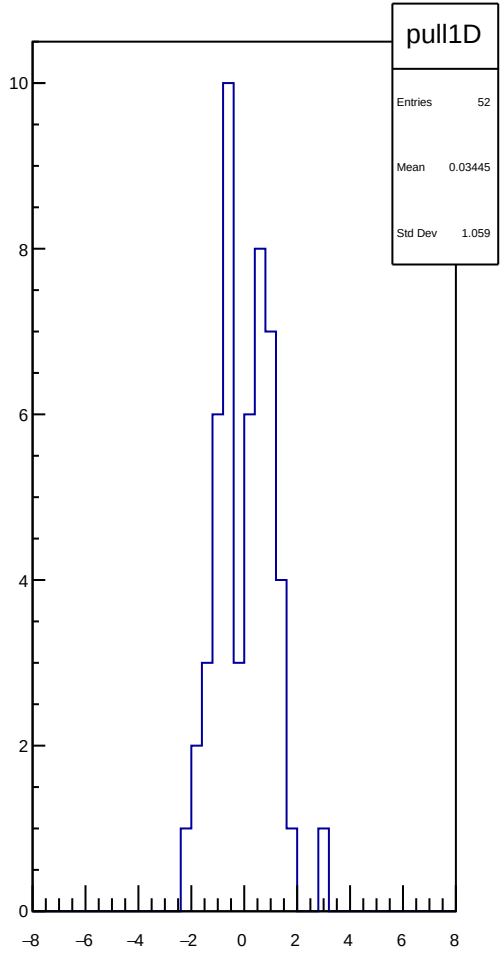

pull1D
Entries 52
Mean 0.03445
Std Dev 1.059
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

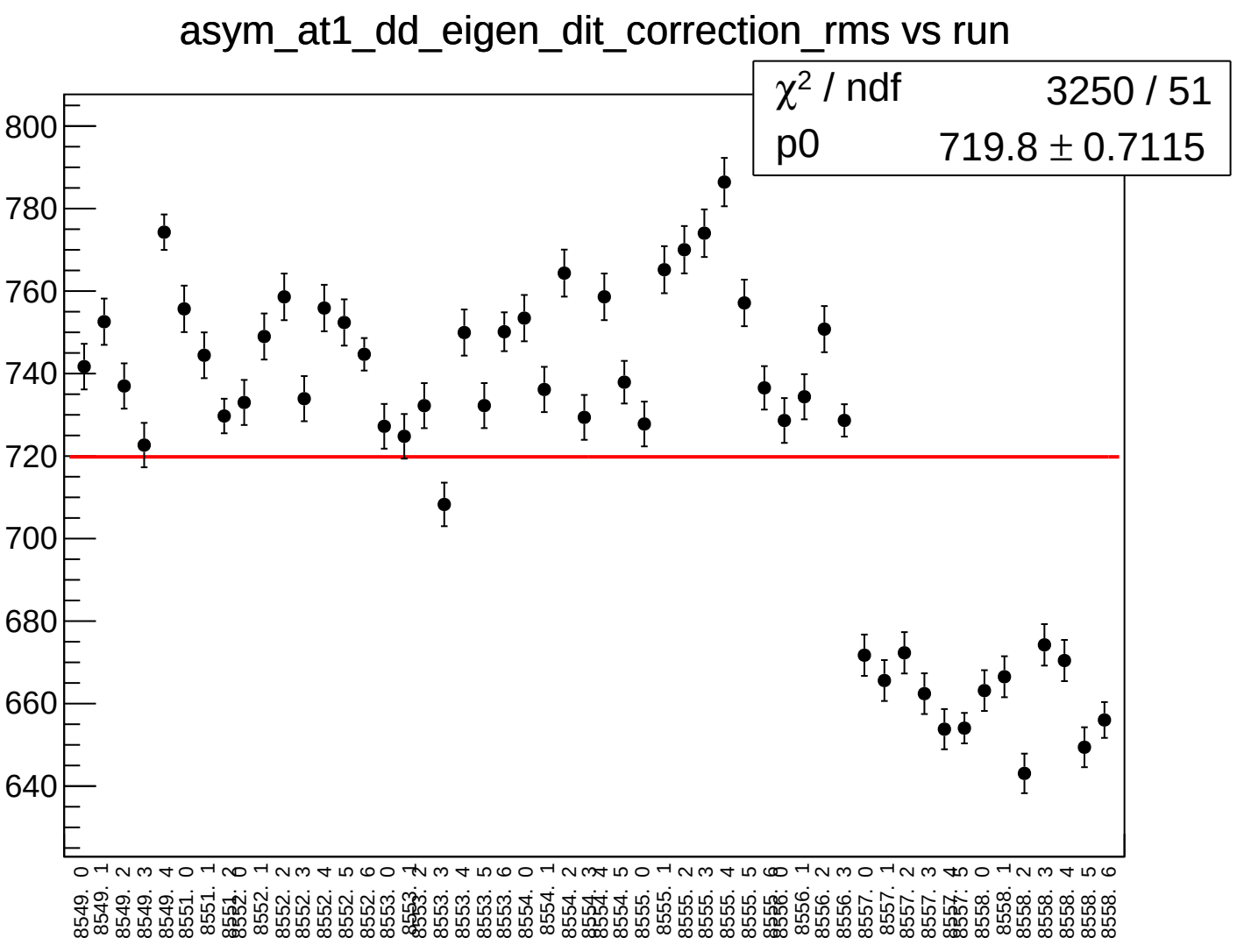

asym_at1_dd_dit_correction_rms vs run
χ² / ndf 3250 / 51
p0 719.8 ± 0.7115
800
780
760
740
720
700
680
660
640
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

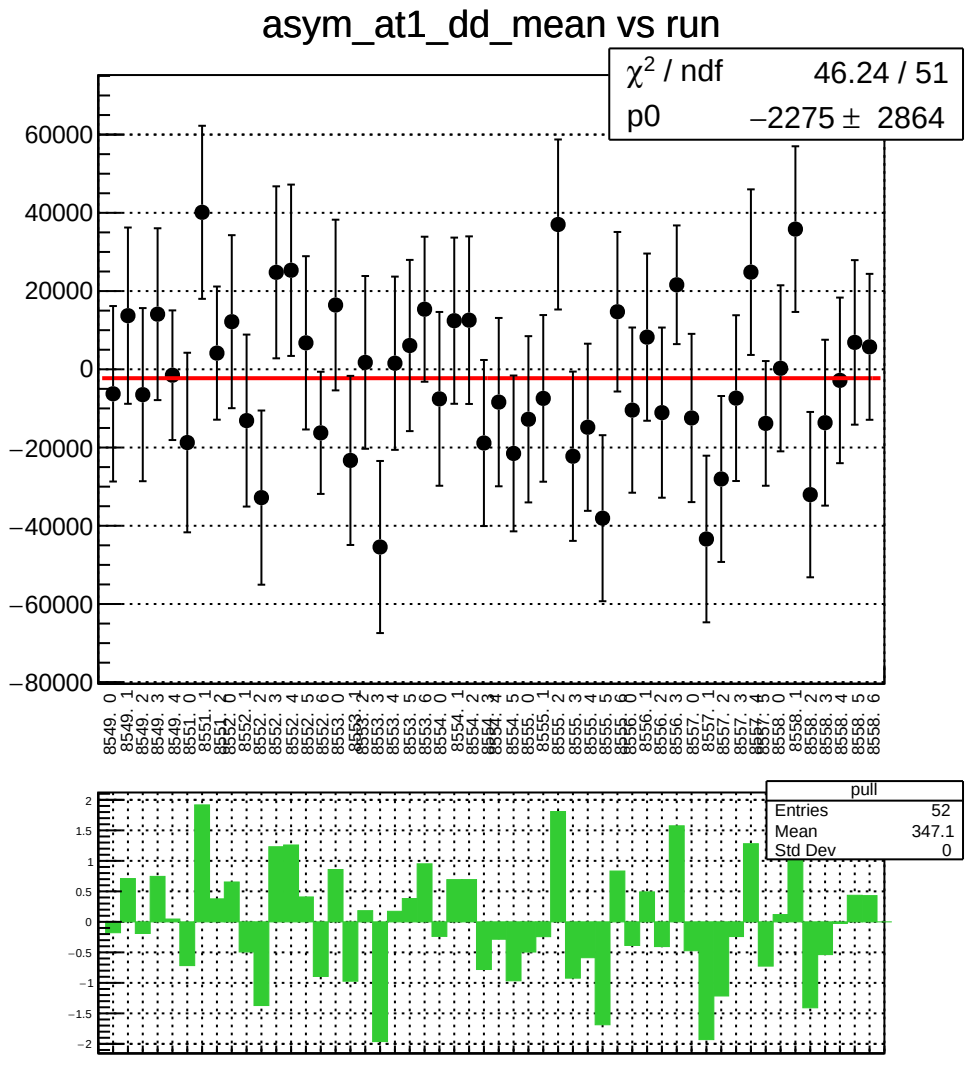

eigen_dit_asym_at1_dd_mean vs run
χ² / ndf 46.21 / 51
p0 1065 ± 2684
60000
40000
20000
0
−20000
−40000
−60000
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8551. 2
8551. 6
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 1
8553. 2
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 3
8554. 4
8554. 5
8554. 6
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8555. 6
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8557. 4
8557. 5
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6
pull
Entries 52
Mean −383.3
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 52
Mean 0.004775
Std Dev 0.9427
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

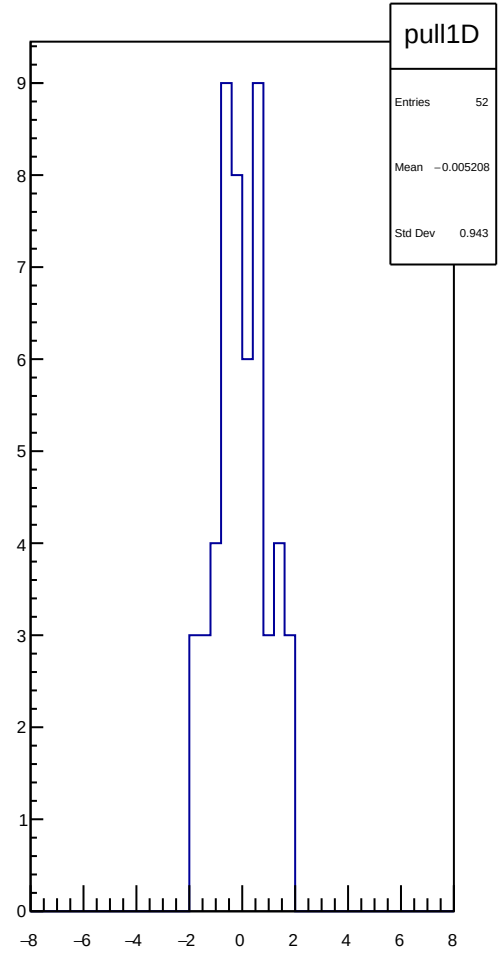

eigen_dit_asym_at1_dd_rms vs run
χ² / ndf 448.7 / 51
p0 1923 ± 1.898
2050
2000
1950
1900
1850
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 5
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

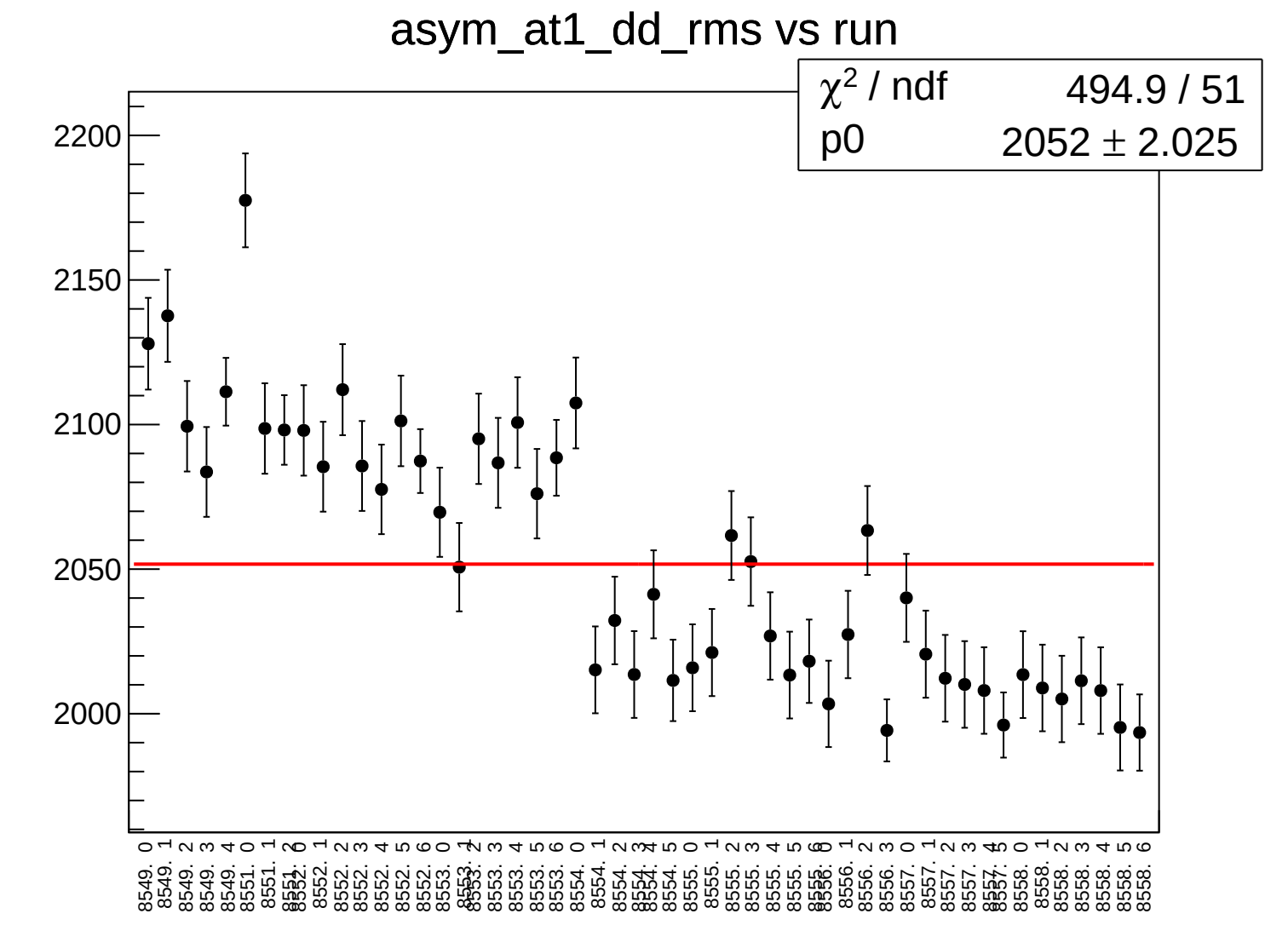

asym_at1_dd_eigen_dit_correction_mean vs run
χ² / ndf 58.42 / 51
p0 3236 ± 1006
30000
20000
10000
0
−10000
−20000
pull
Entries 52
Mean 10.95
Std Dev 0
3
2
1
0
−1
−2


pull1D
Entries 52
Mean 0.03445
Std Dev 1.059
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


asym_at1_dd_eigen_dit_correction_rms vs run
χ² / ndf 3250 / 51
p0 719.8 ± 0.7115
800
780
760
740
720
700
680
660
640
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 5
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6


asym_at1_dd_mean vs run
χ² / ndf 46.24 / 51
p0 −2275 ± 2864
pull
Entries 52
Mean 347.1
Std Dev 0


pull1D
Entries 52
Mean −0.005208
Std Dev 0.943


asym_at1_dd_rms vs run
χ² / ndf 494.9 / 51
p0 2052 ± 2.025
2200
2150
2100
2050
2000
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 5
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
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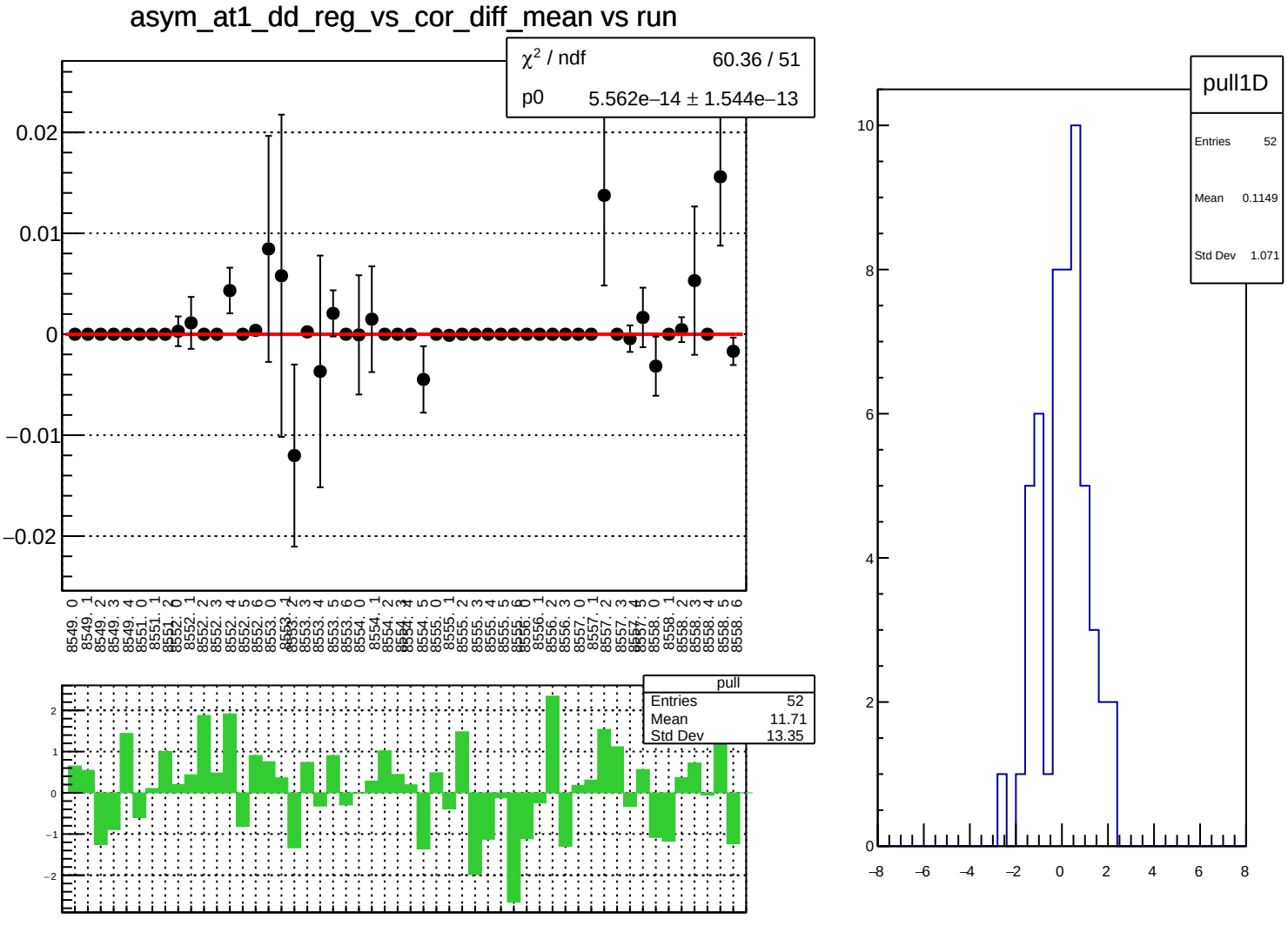
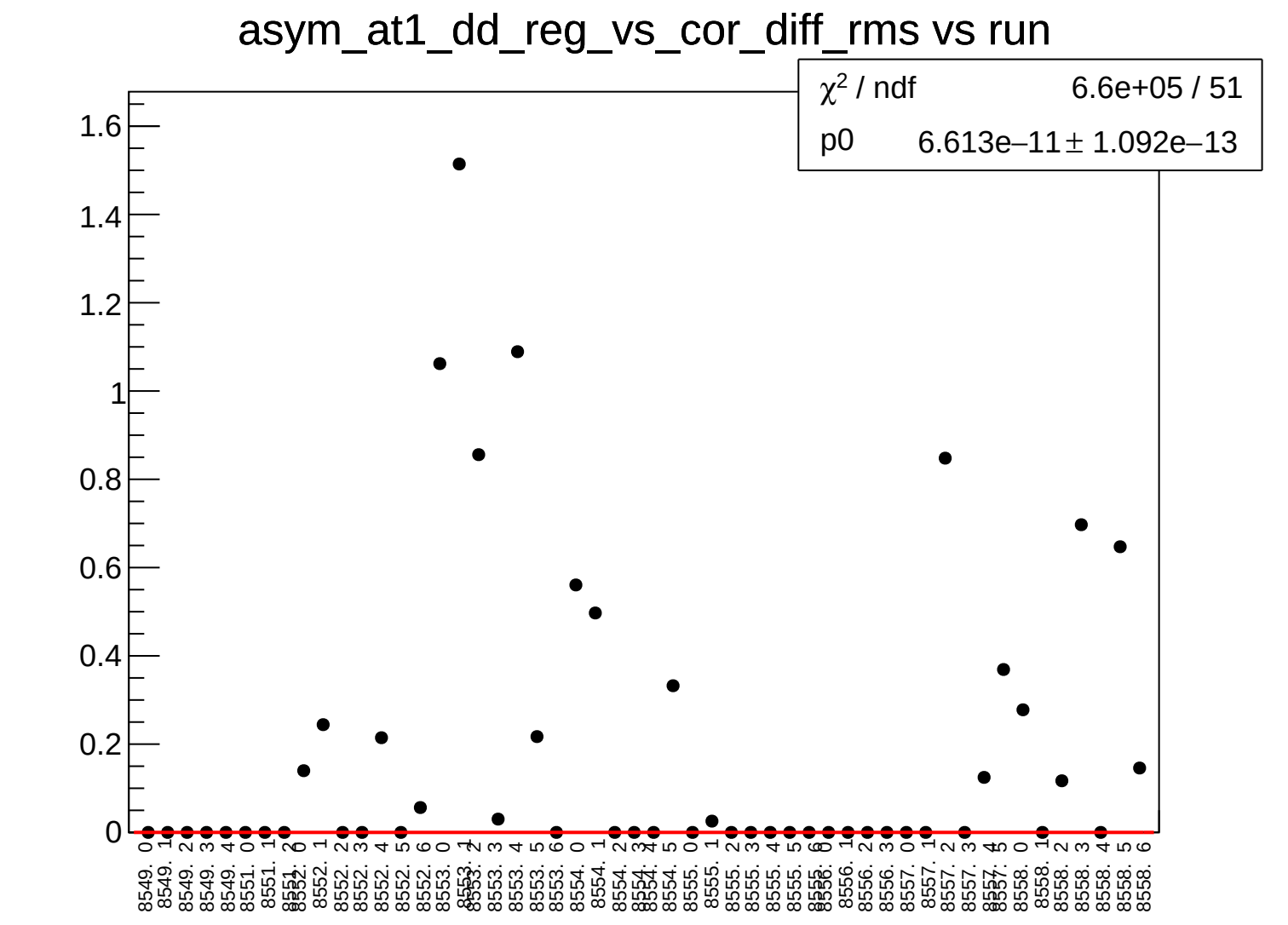
8558. 5
8558. 6


asym_at1_dd_reg_vs_cor_diff_mean vs run
χ² / ndf 60.36 / 51
p0 5.562e−14 ± 1.544e−13
0.02
0.01
0
−0.01
−0.02
pull
Entries 52
Mean 11.71
Std Dev 13.35
pull1D
Entries 52
Mean 0.1149
Std Dev 1.071
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


asym_at1_dd_reg_vs_cor_diff_rms vs run
χ² / ndf 6.6e+05 / 51
p0 6.613e−11 ± 1.092e−13
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 0
8552. 1
8552. 2
8552. 3
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8552. 5
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8553. 0
8553. 1
8553. 2
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8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 5
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
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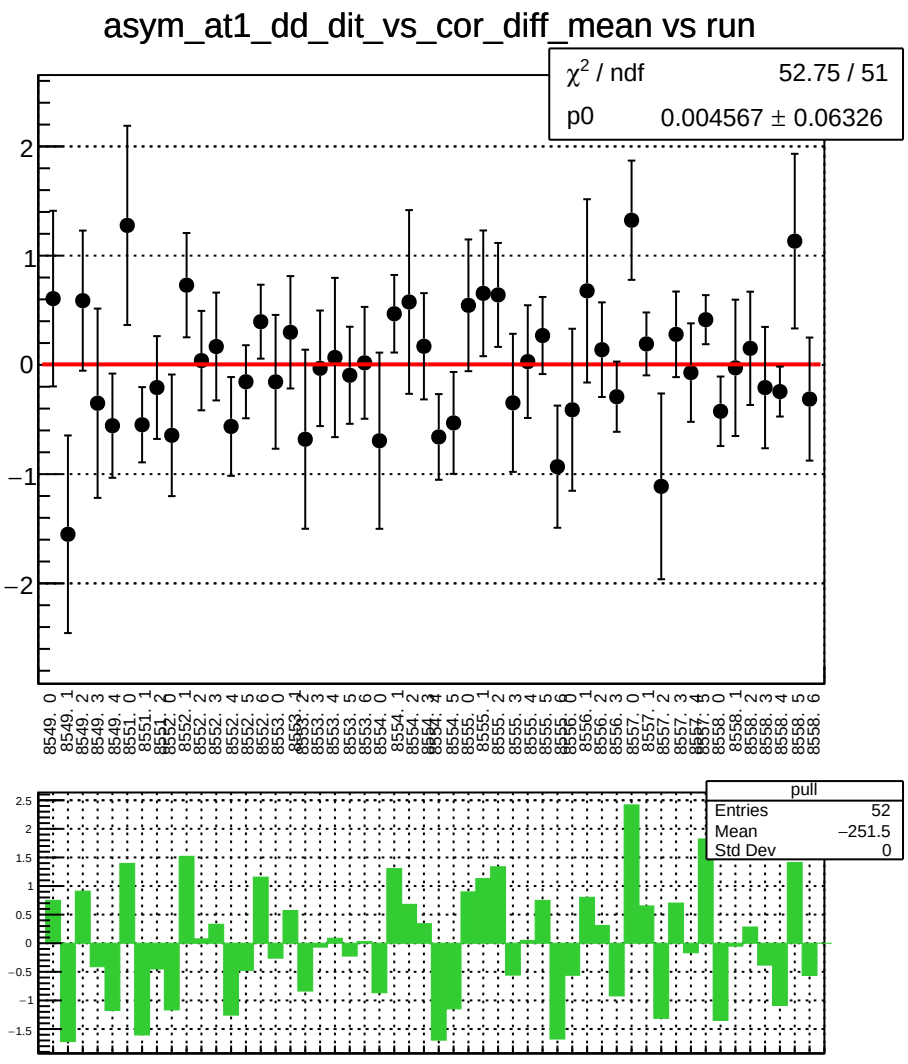
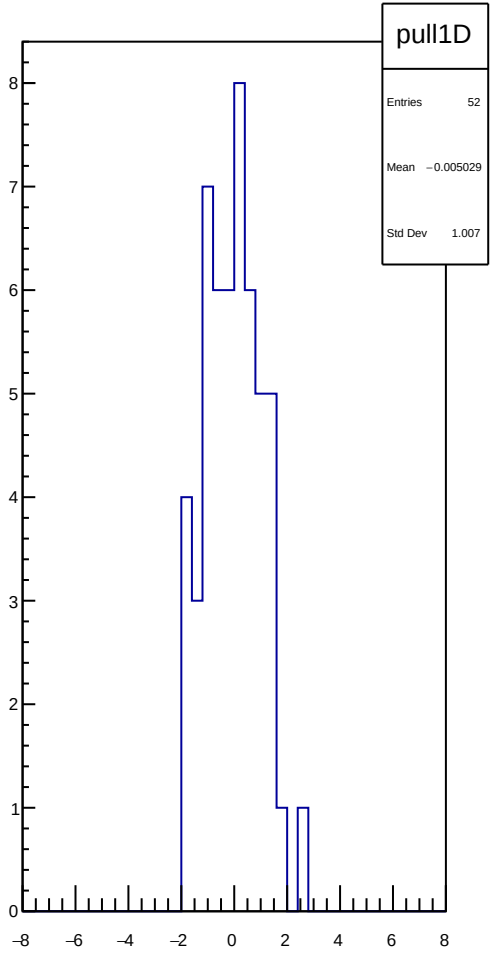
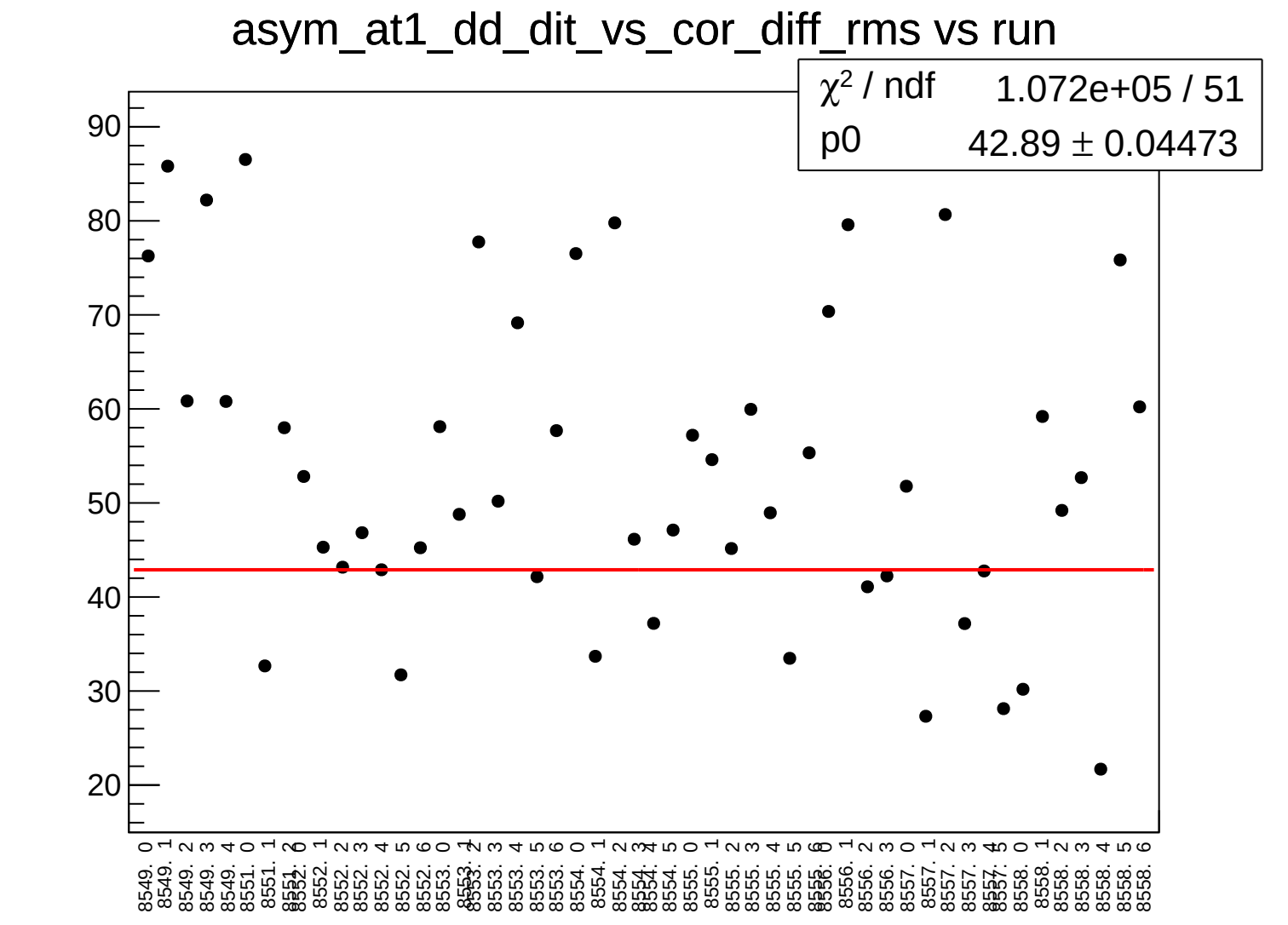
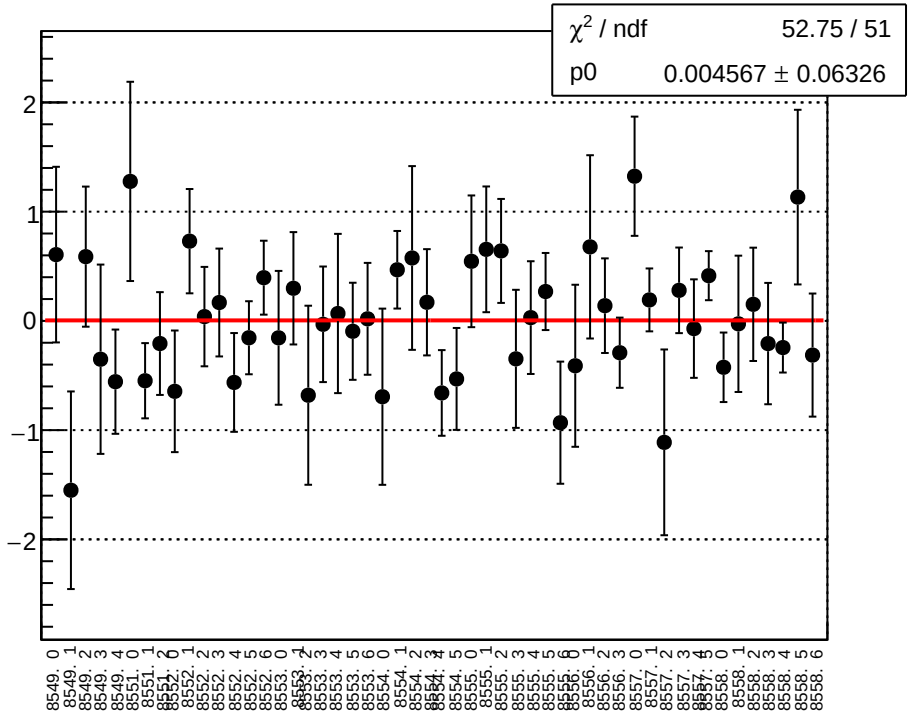
8558. 5
8558. 6

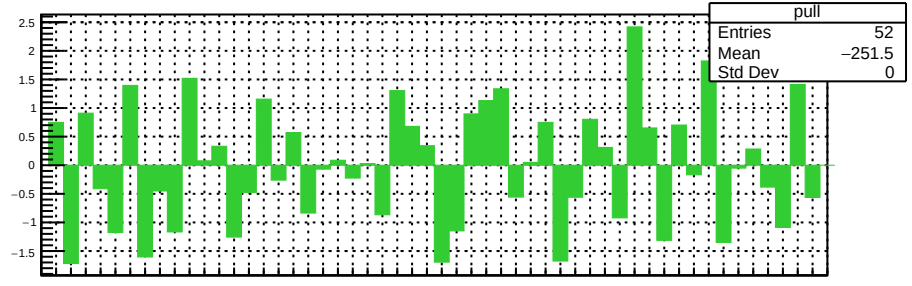

asym_at1_dd_dit_vs_cor_diff_mean vs run
χ² / ndf 52.75 / 51
p0 0.004567 ± 0.06326
pull
Entries 52
Mean −251.5
Std Dev 0

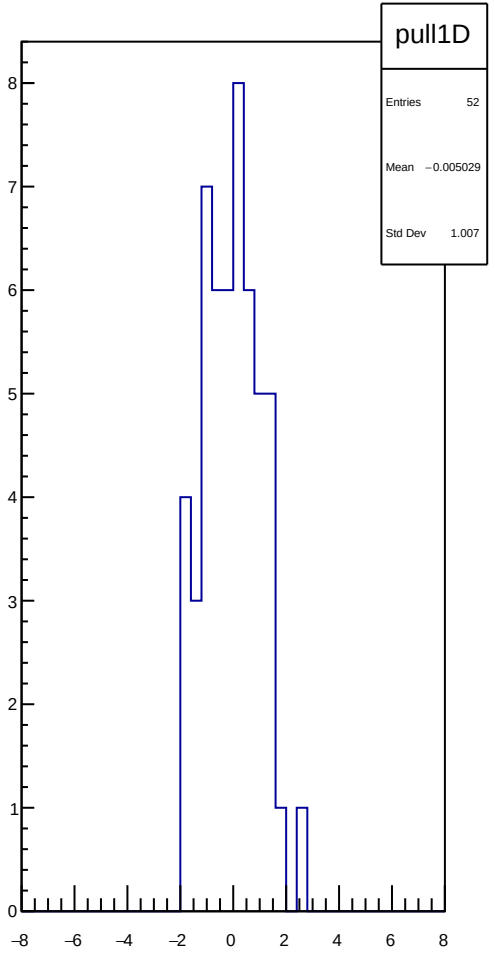

pull1D
Entries 52
Mean −0.005029
Std Dev 1.007

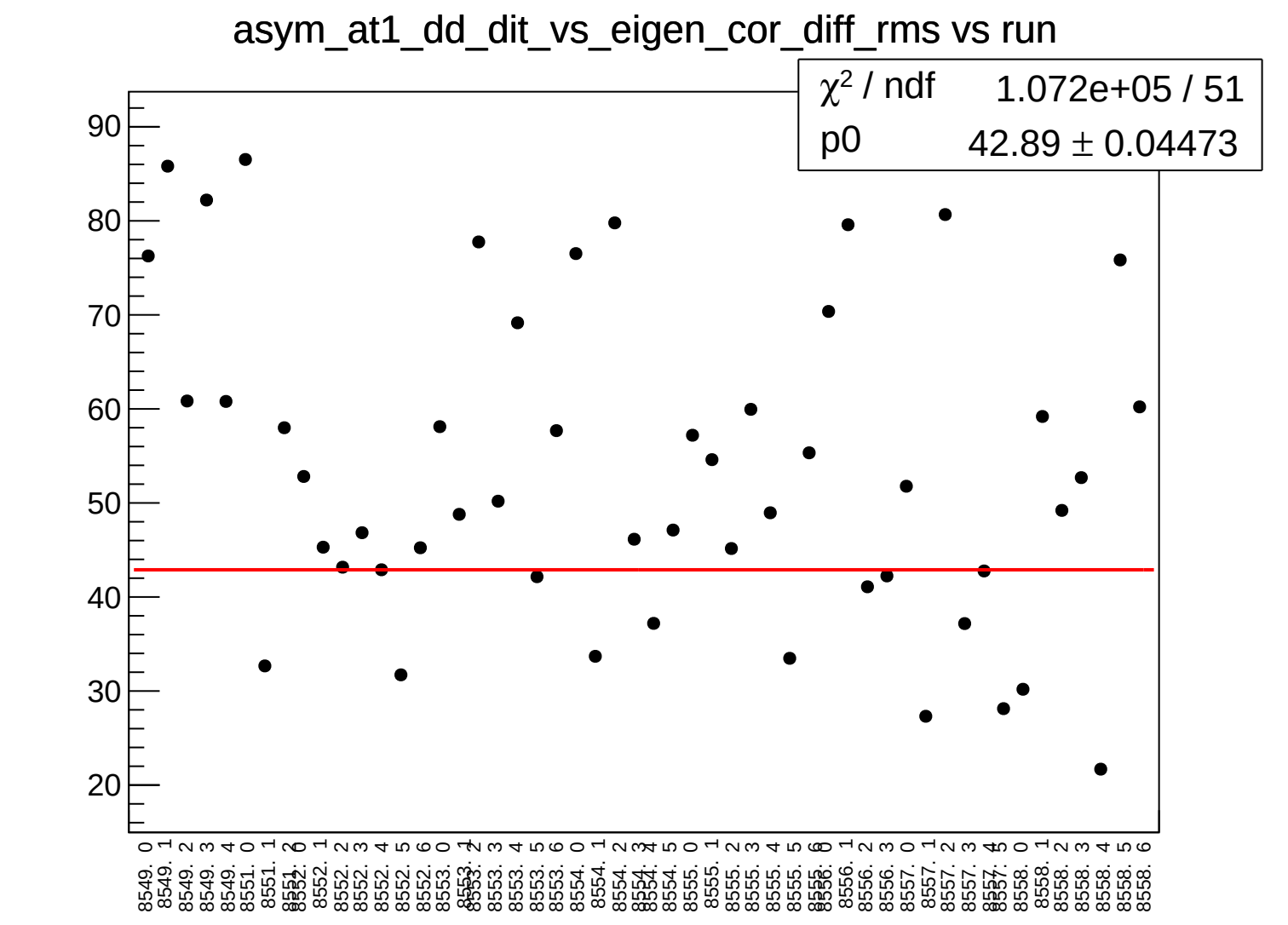

asym_at1_dd_dit_vs_cor_diff_rms vs run
χ² / ndf 1.072e+05 / 51
p0 42.89 ± 0.04473
90
80
70
60
50
40
30
20
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

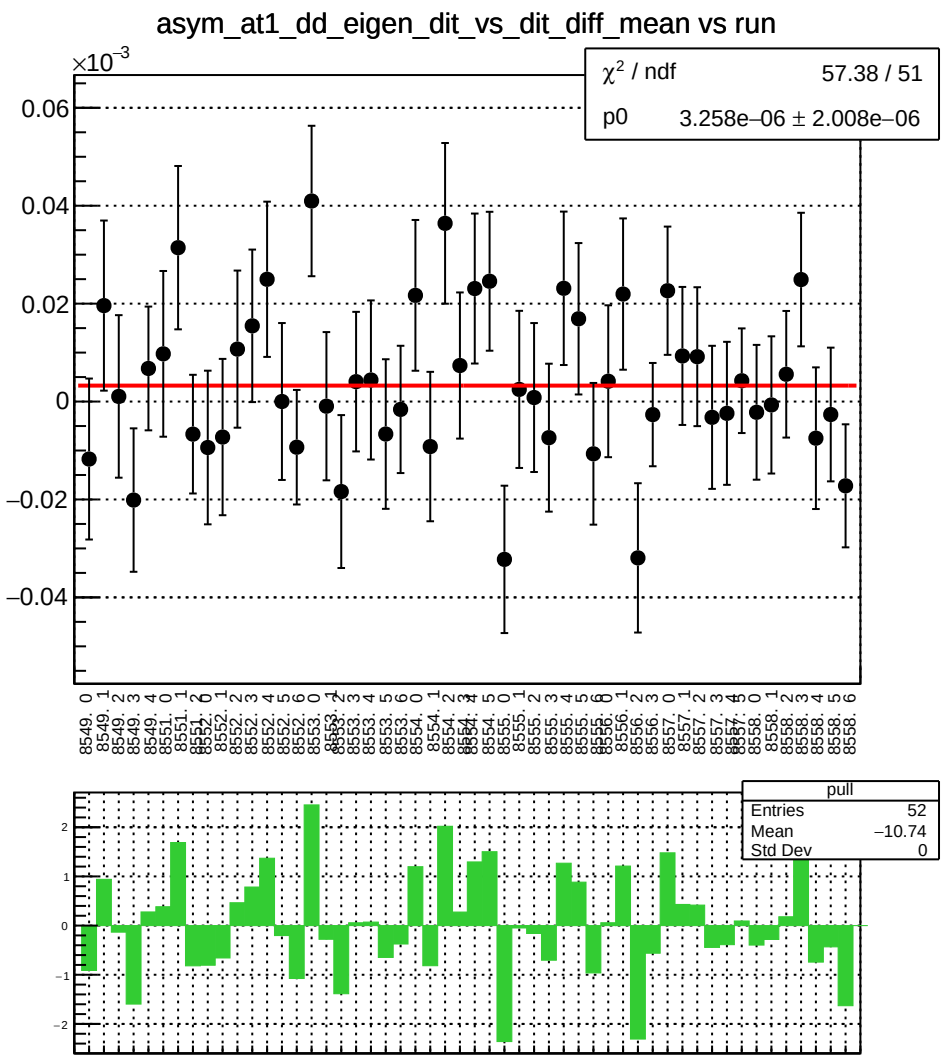
asym_at1_dd_dit_vs_eigen_cor_diff_mean vs run

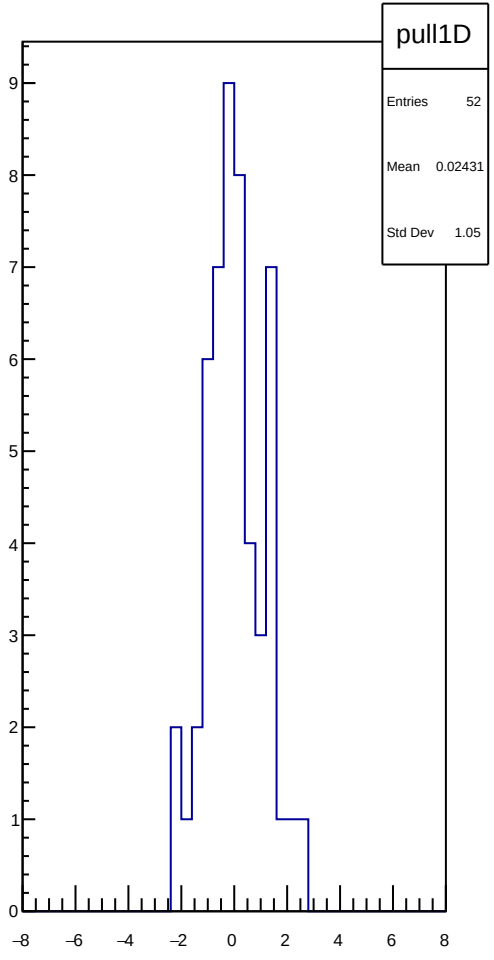


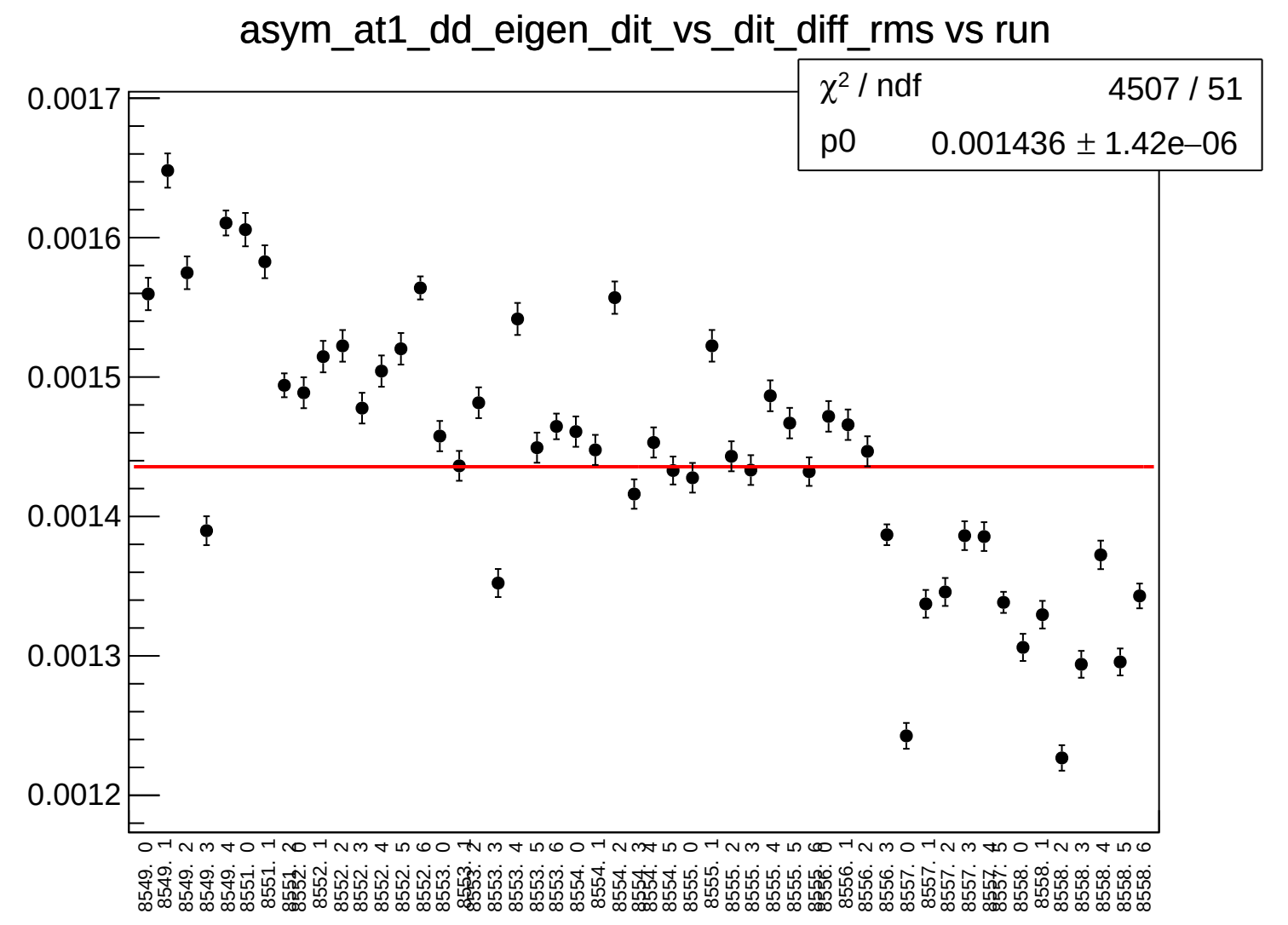




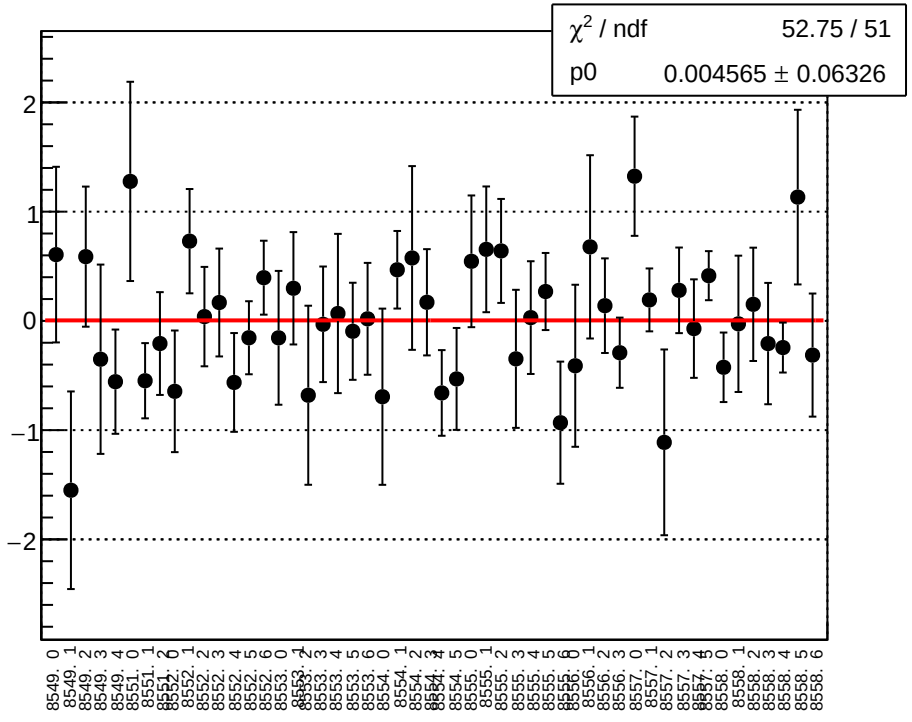

asym_at1_dd_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.072e+05 / 51
p0 42.89 ± 0.04473
90
80
70
60
50
40
30
20
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

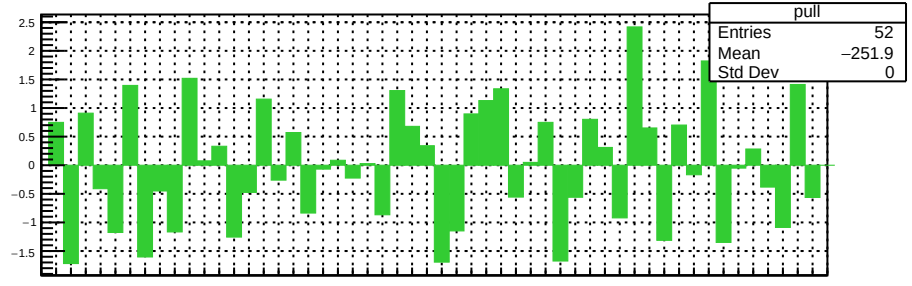

asym_at1_dd_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 57.38 / 51
p0 3.258e−06 ± 2.008e−06
0.06
0.04
0.02
0
−0.02
−0.04
pull
Entries 52
Mean −10.74
Std Dev 0
2
1
0
−1
−2

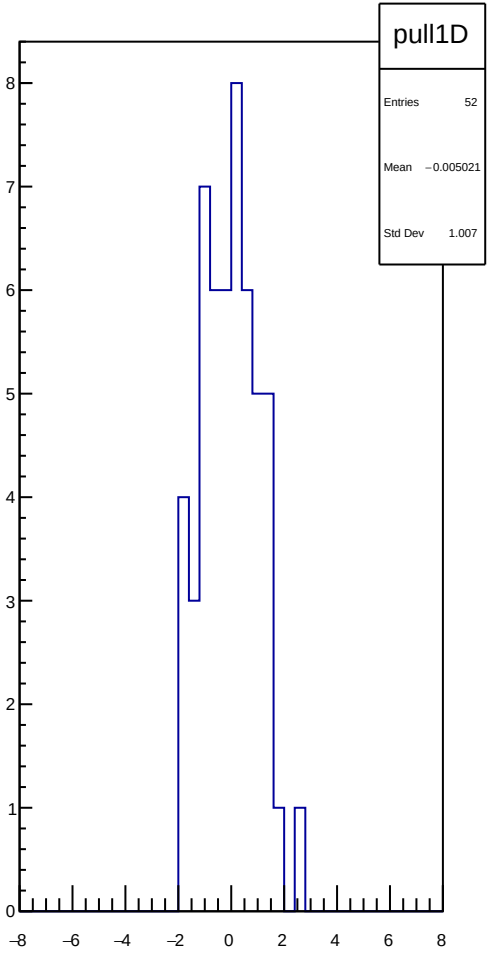

pull1D
Entries 52
Mean 0.02431
Std Dev 1.05
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

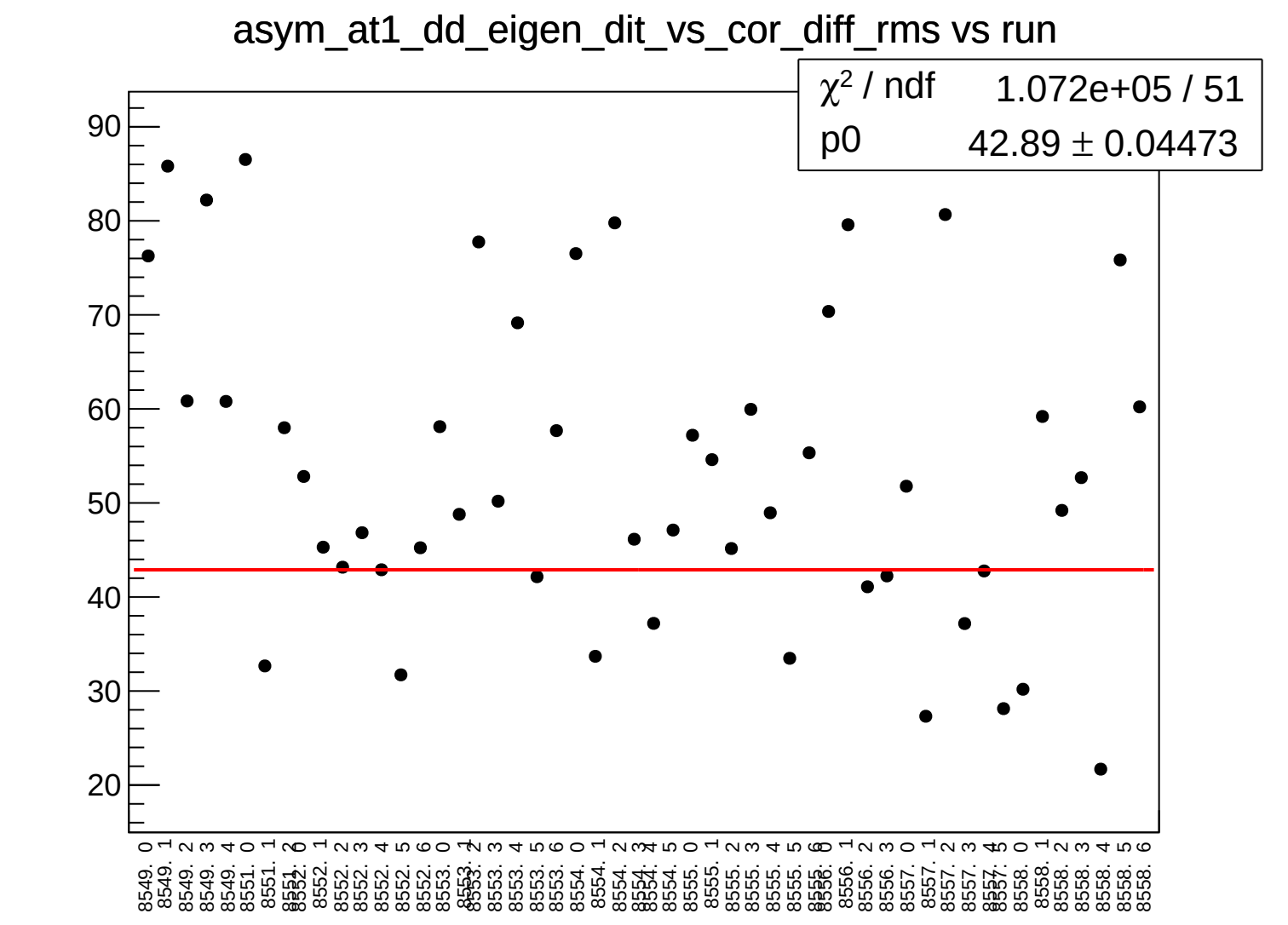

asym_at1_dd_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 4507 / 51
p0 0.001436 ± 1.42e–06
0.0017
0.0016
0.0015
0.0014
0.0013
0.0012
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

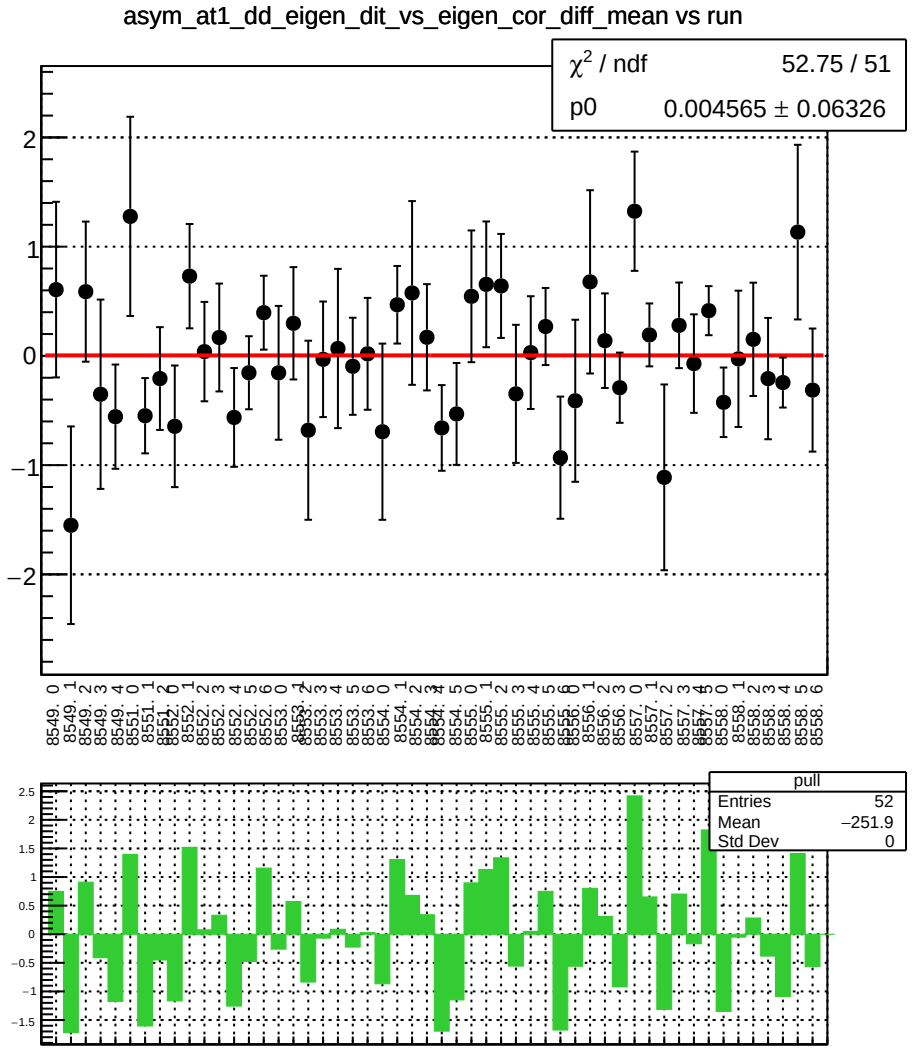
asym_at1_dd_eigen_dit_vs_cor_diff_mean vs run

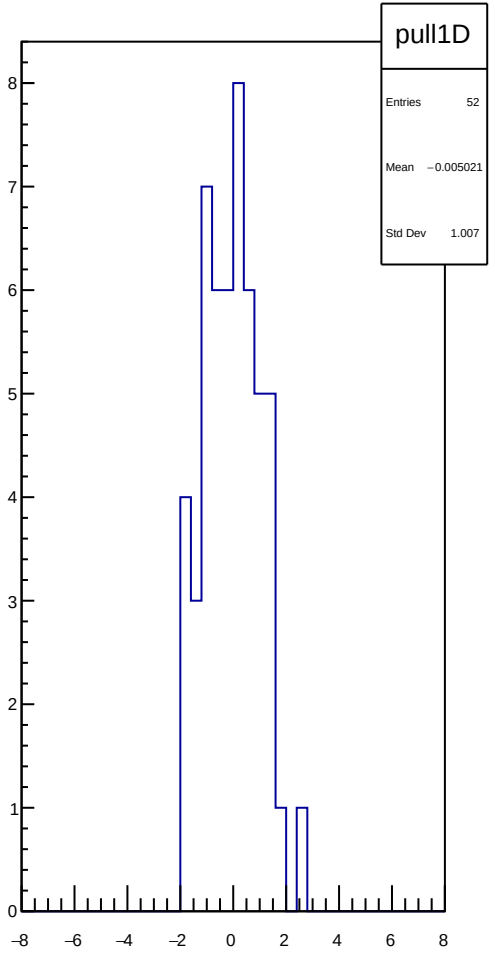


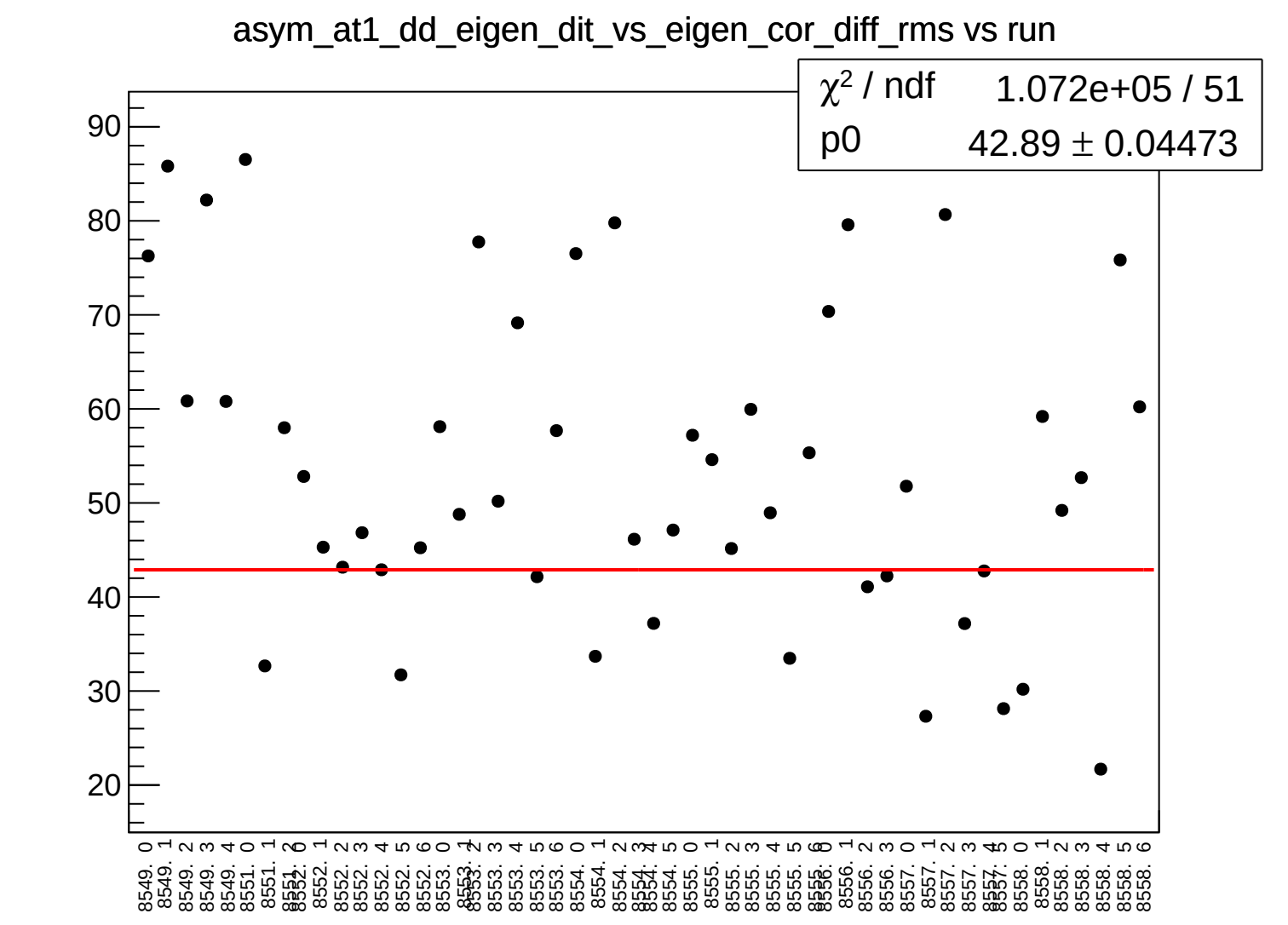





asym_at1_dd_eigen_dit_vs_cor_diff_rms vs run
χ^2 / ndf 1.072e+05 / 51
p0 42.89 ± 0.04473
90
80
70
60
50
40
30
20
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 2
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6


asym_at1_dd_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 52.75 / 51
p0 0.004565 ± 0.06326
pull
Entries 52
Mean −251.9
Std Dev 0


pull1D
Entries 52
Mean −0.005021
Std Dev 1.007


asym_at1_dd_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.072e+05 / 51
p0 42.89 ± 0.04473
90
80
70
60
50
40
30
20
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
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8557. 3
8558. 0
8558. 1
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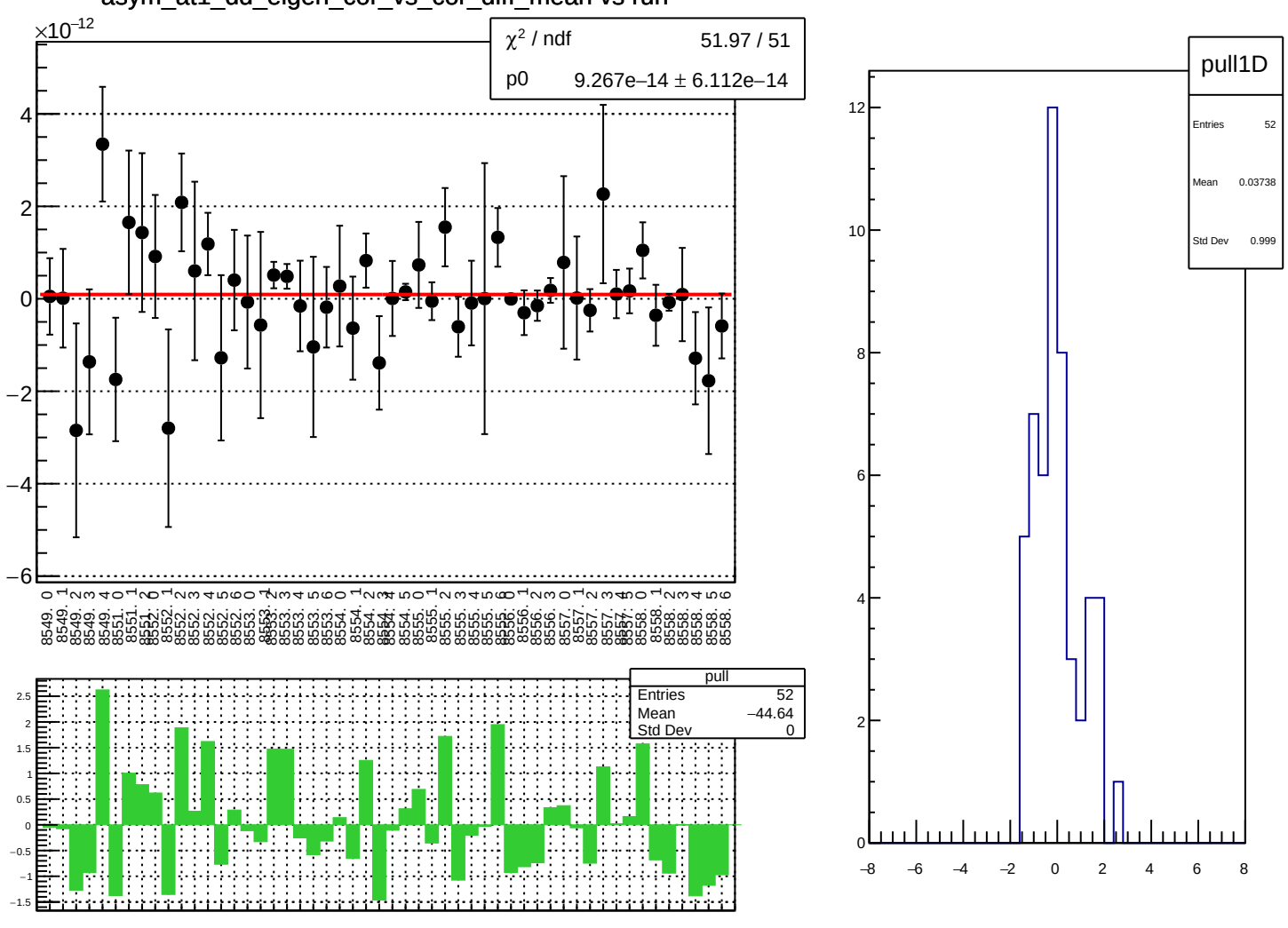
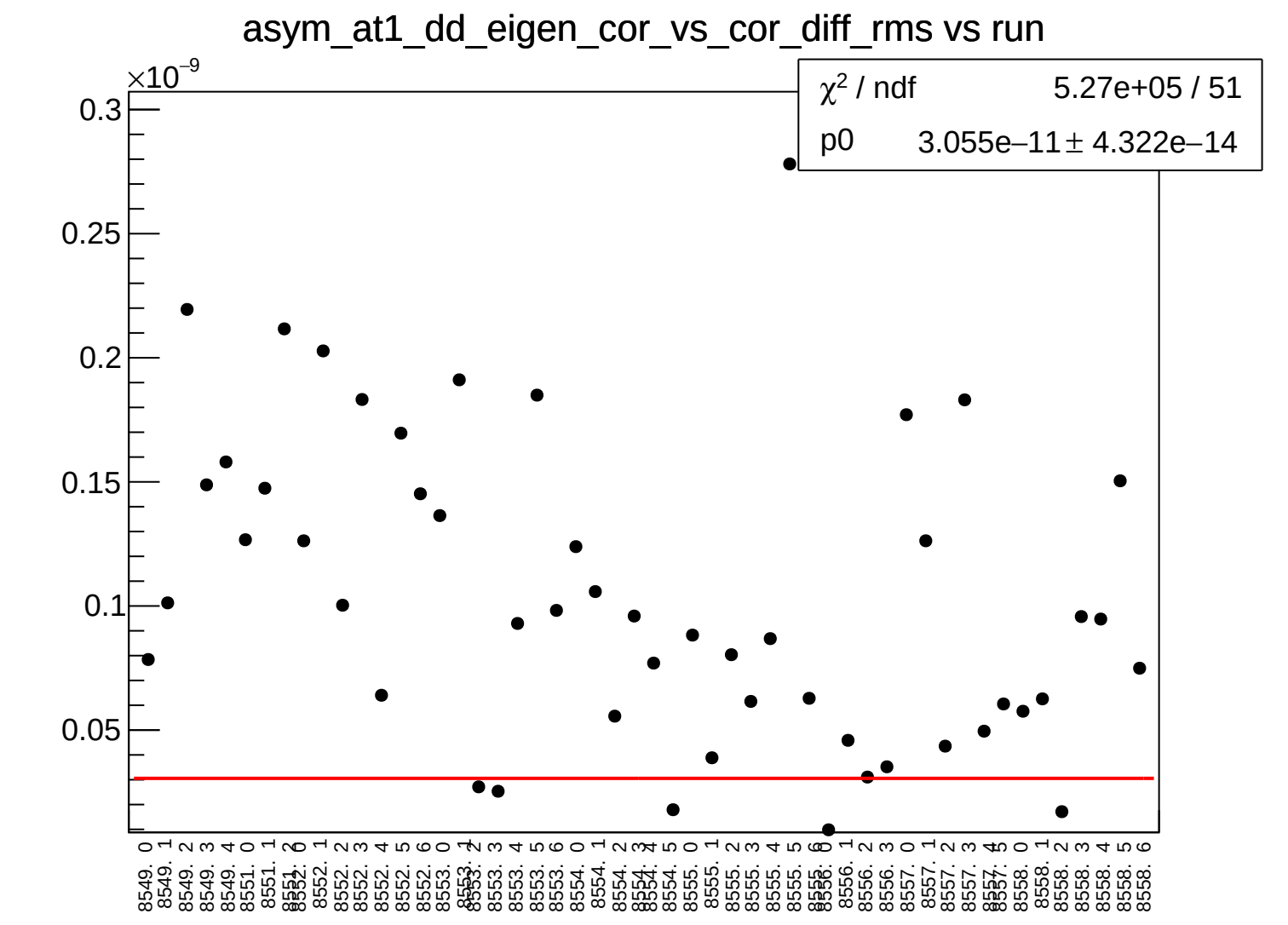
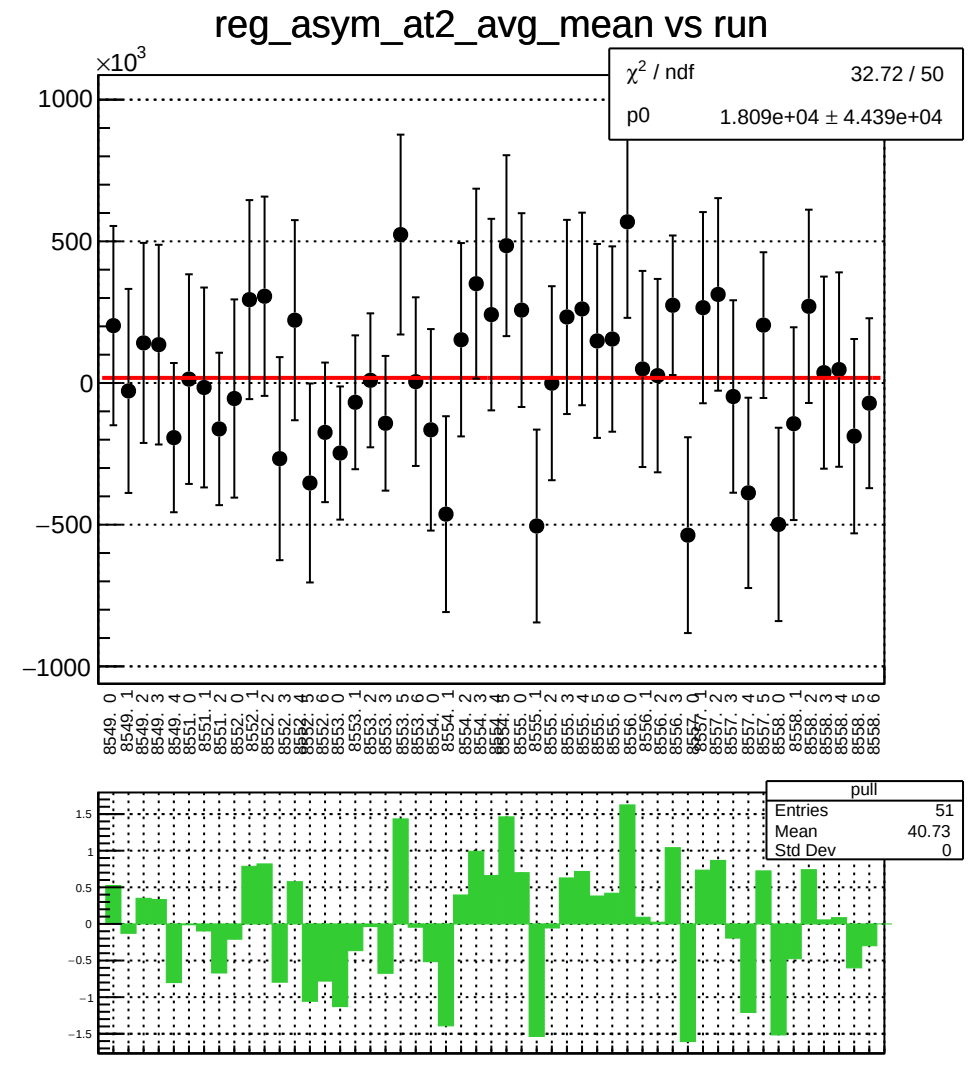
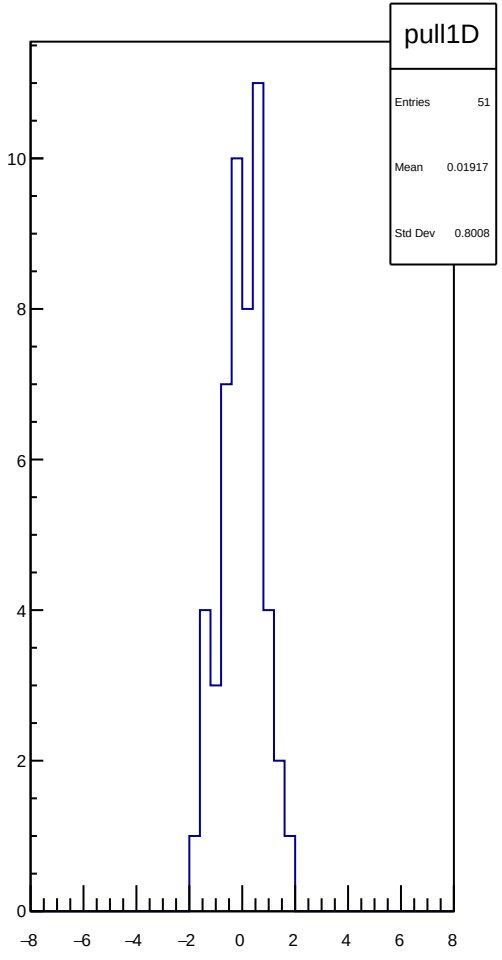
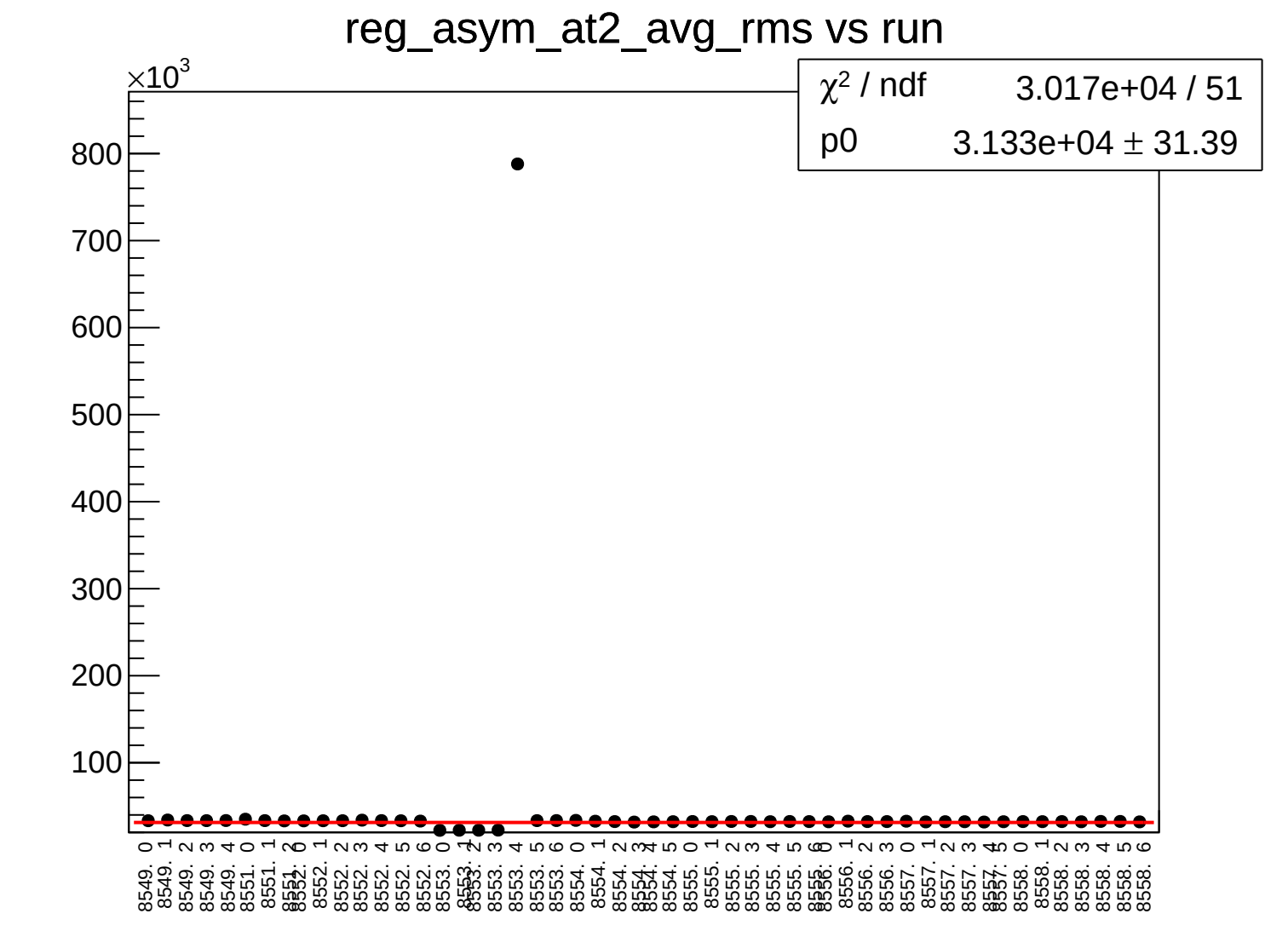
8558. 5
8558. 6

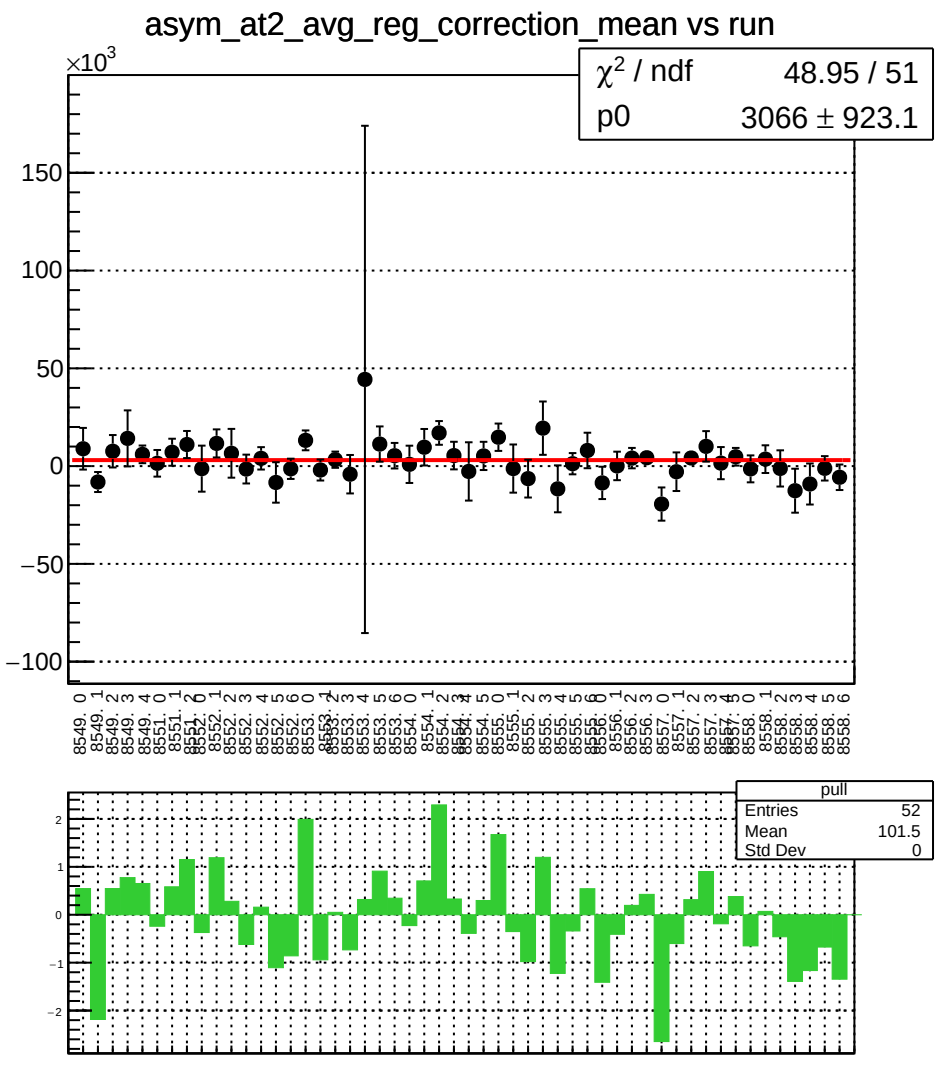

asym_at1_dd_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 51.97 / 51
p0 9.267e−14 ± 6.112e−14
pull
Entries 52
Mean −44.64
Std Dev 0
pull1D
Entries 52
Mean 0.03738
Std Dev 0.999

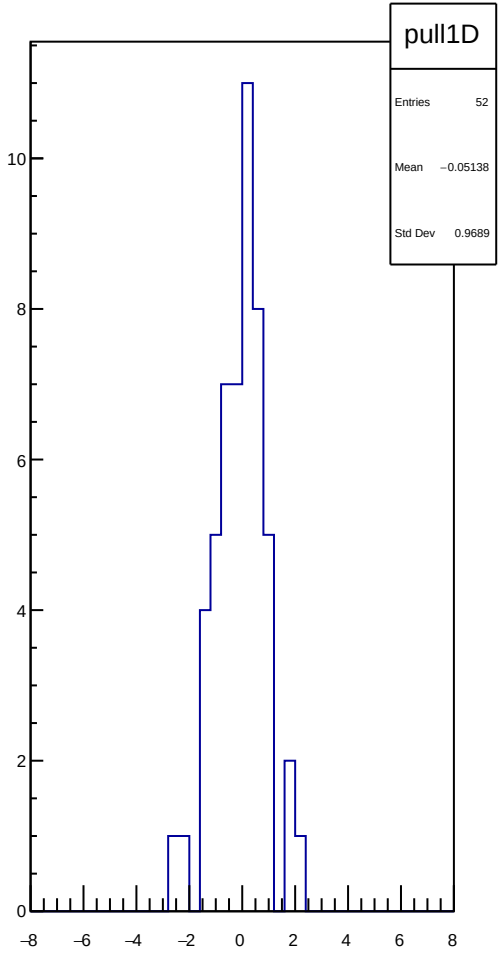

asym_at1_dd_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 5.27e+05 / 51
p0 3.055e−11 ± 4.322e−14
0.3
0.25
0.2
0.15
0.1
0.05
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 5
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

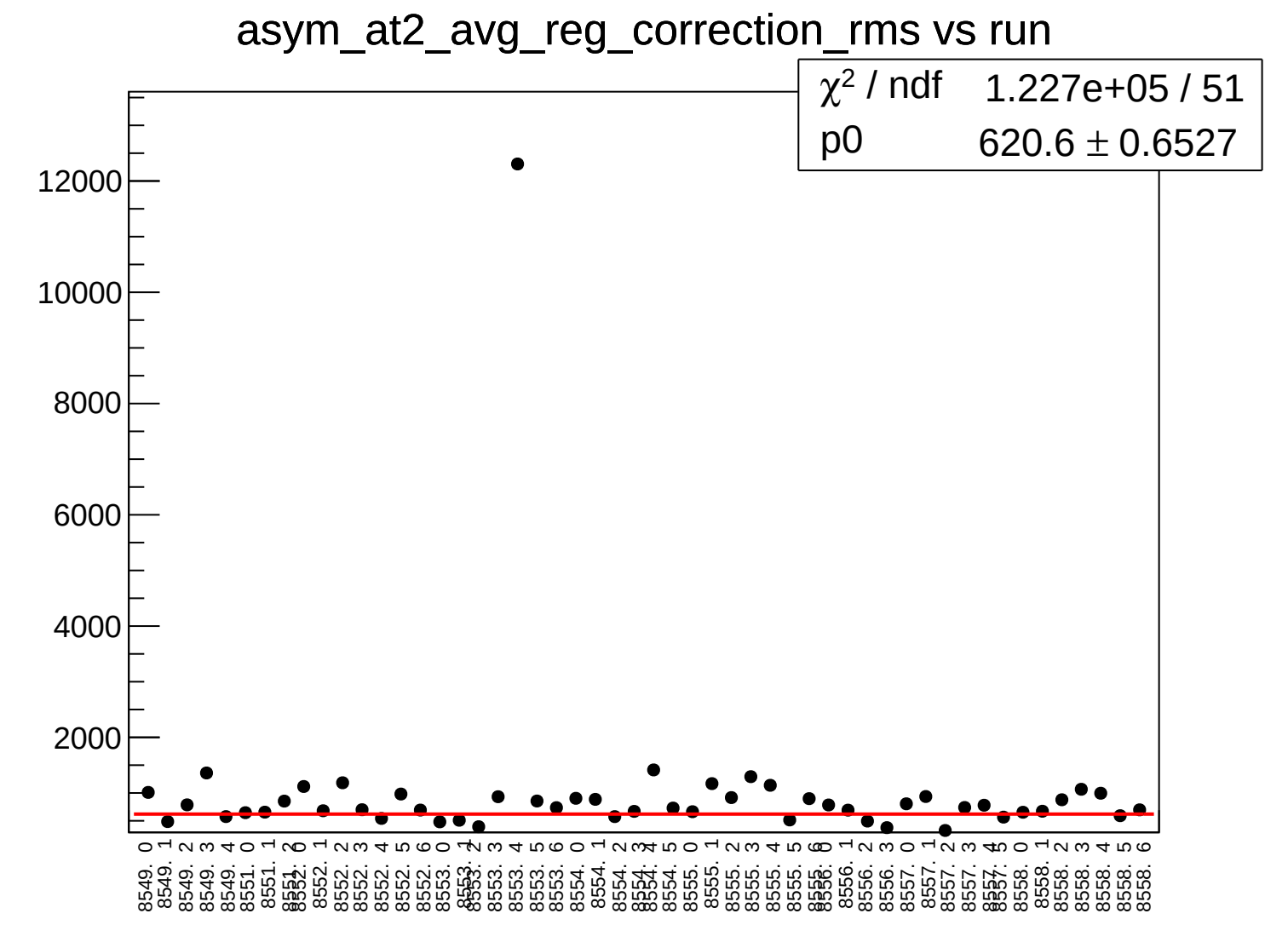

reg_asym_at2_avg_mean vs run
×10^3
χ² / ndf 32.72 / 50
p0 1.809e+04 ± 4.439e+04
1000
500
0
−500
−1000
pull
Entries 51
Mean 40.73
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5

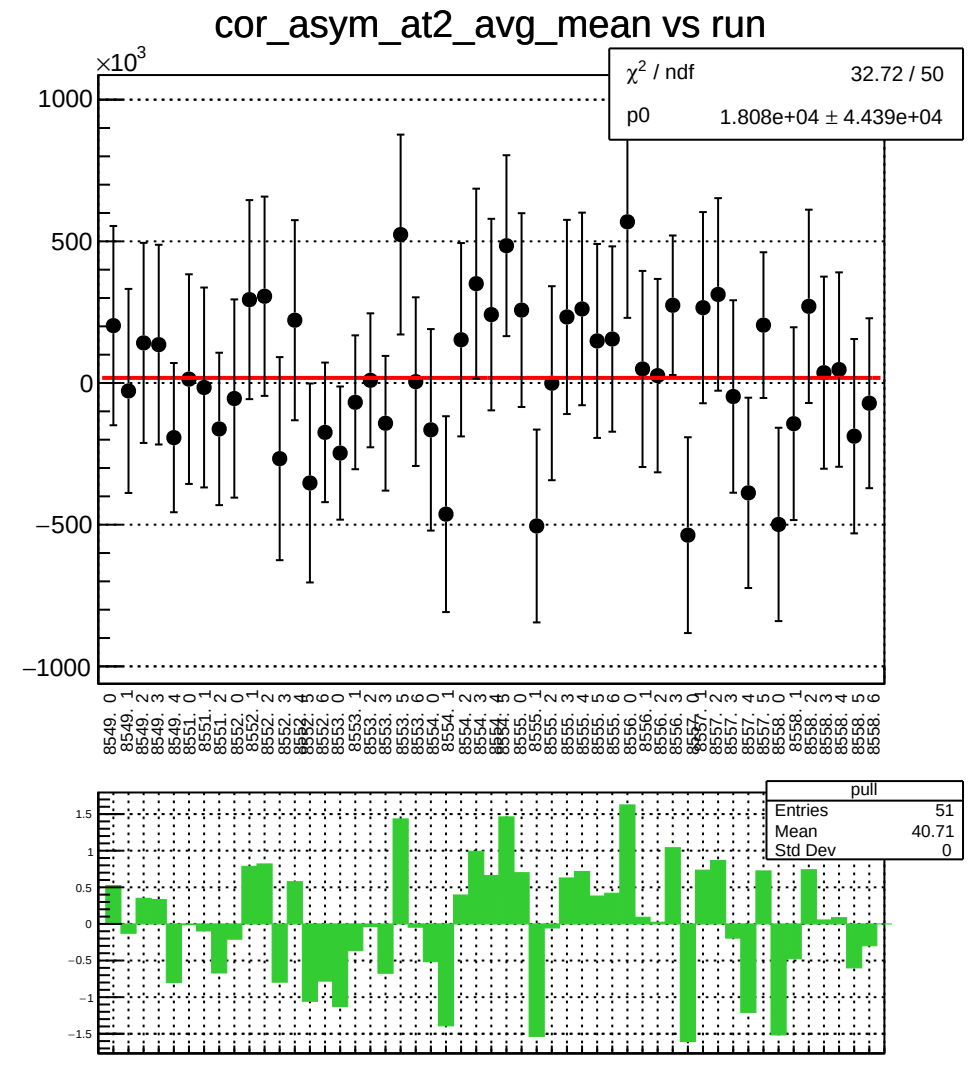

pull1D
Entries 51
Mean 0.01917
Std Dev 0.8008
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

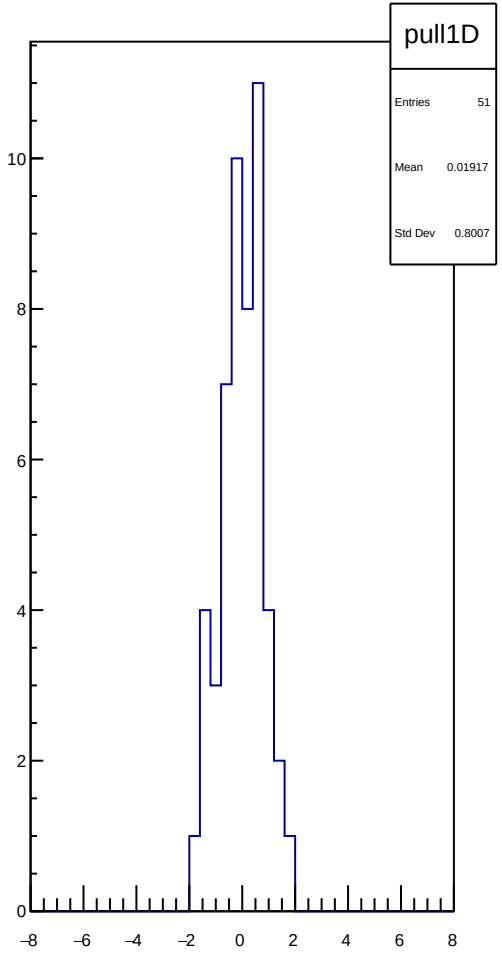

reg_asym_at2_avg_rms vs run
×10^3
χ² / ndf 3.017e+04 / 51
p0 3.133e+04 ± 31.39
800
700
600
500
400
300
200
100
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 0
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 1
8553. 2
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 3
8554. 4
8554. 5
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

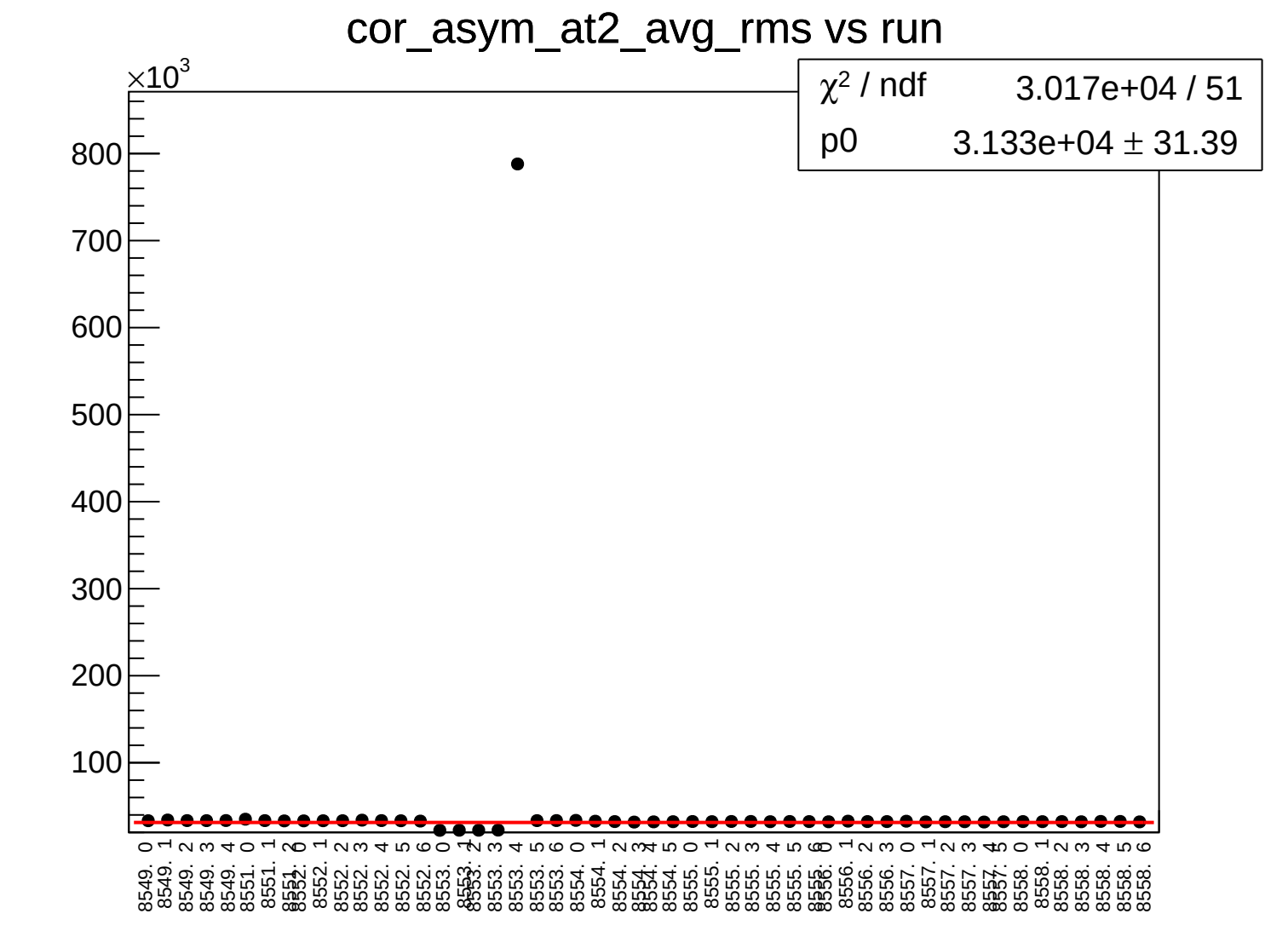

asym_at2_avg_reg_correction_mean vs run
χ² / ndf 48.95 / 51
p0 3066 ± 923.1
×10³
150
100
50
0
−50
−100
pull
Entries 52
Mean 101.5
Std Dev 0
2
1
0
−1
−2

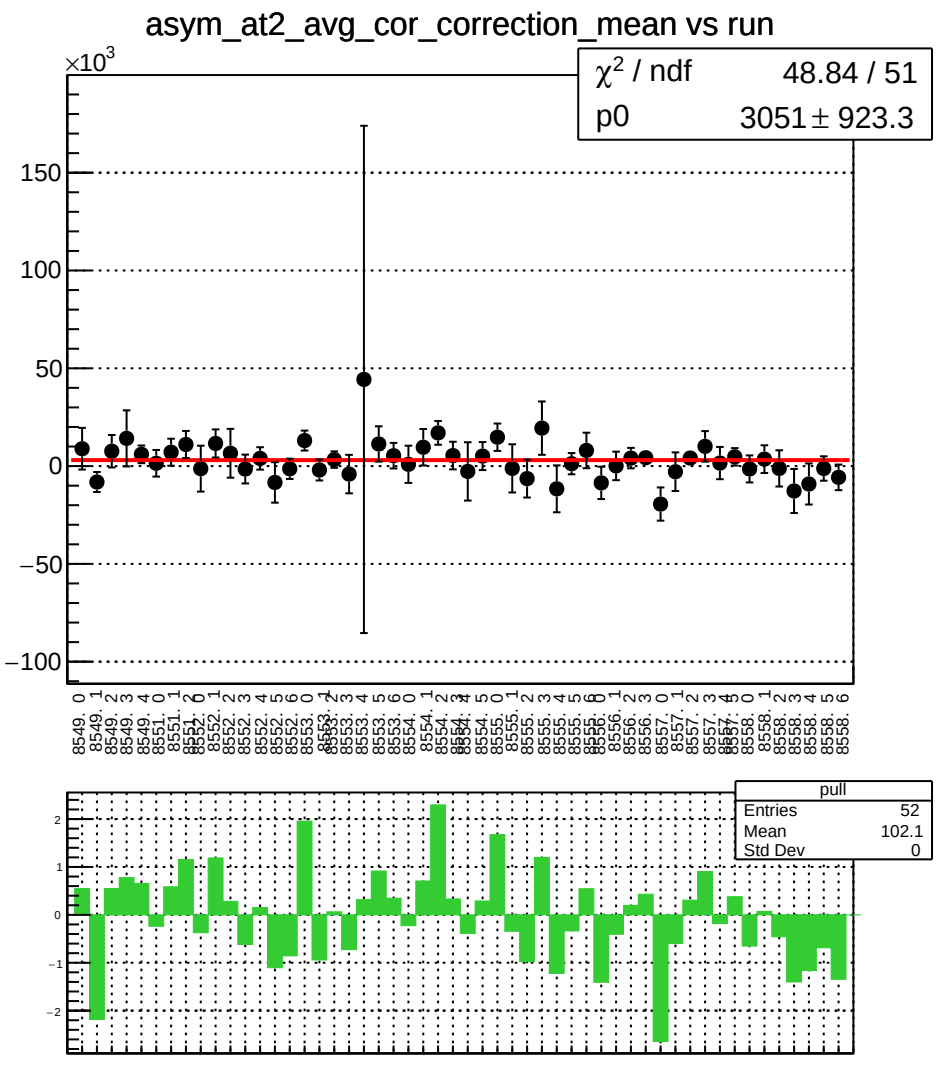

pull1D
Entries 52
Mean −0.05138
Std Dev 0.9689
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

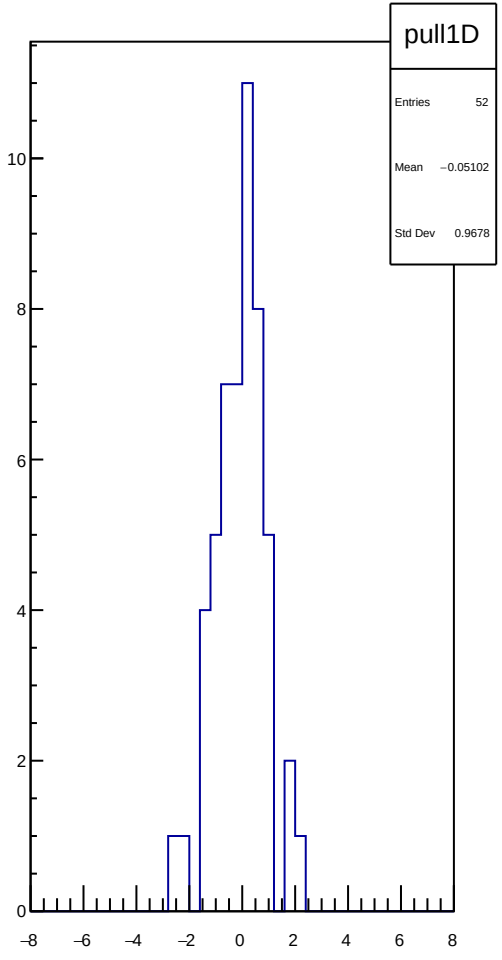

asym_at2_avg_reg_correction_rms vs run
χ² / ndf 1.227e+05 / 51
p0 620.6 ± 0.6527
12000
10000
8000
6000
4000
2000
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

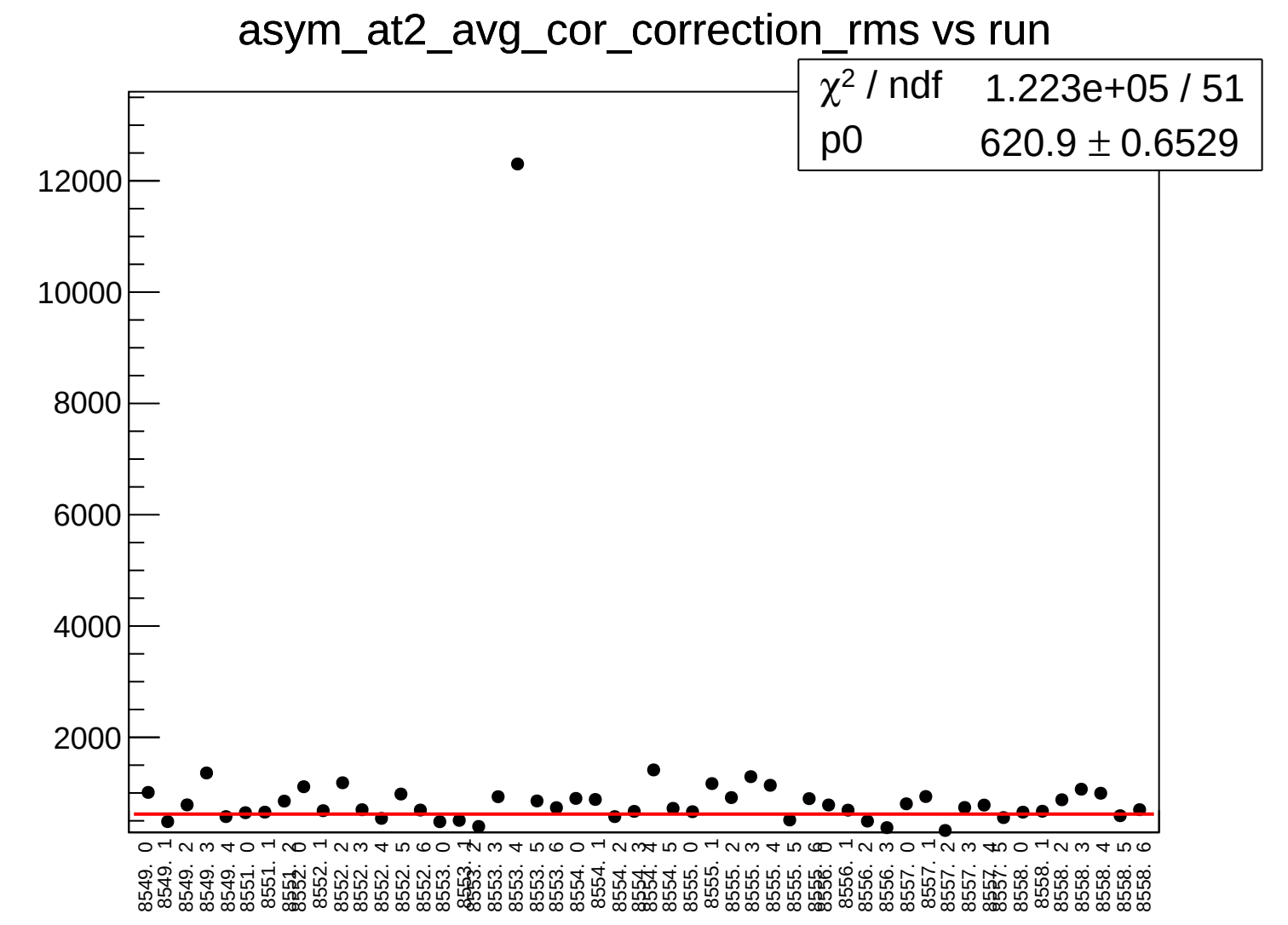

cor_asym_at2_avg_mean vs run
×10^3
χ² / ndf 32.72 / 50
p0 1.808e+04 ± 4.439e+04
1000
500
0
−500
−1000
pull
Entries 51
Mean 40.71
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5

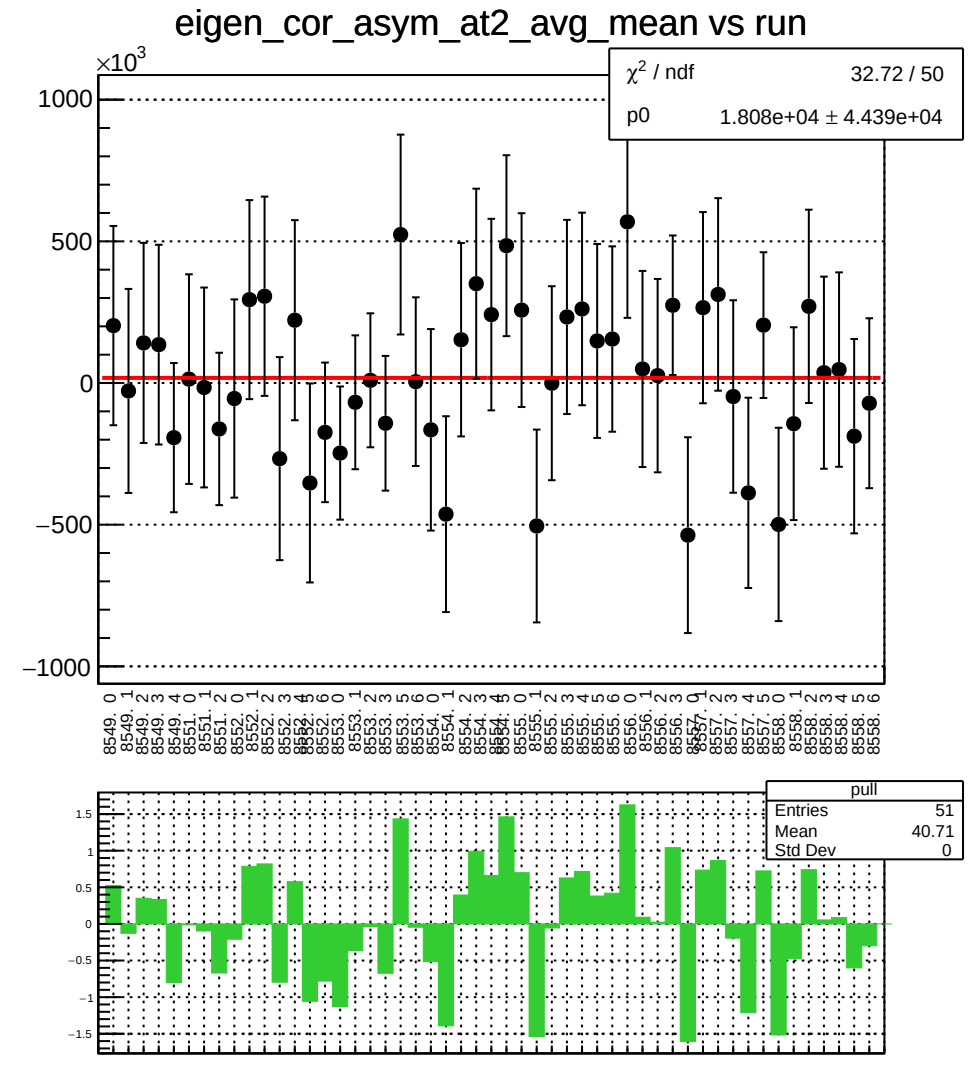

pull1D
Entries 51
Mean 0.01917
Std Dev 0.8007
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

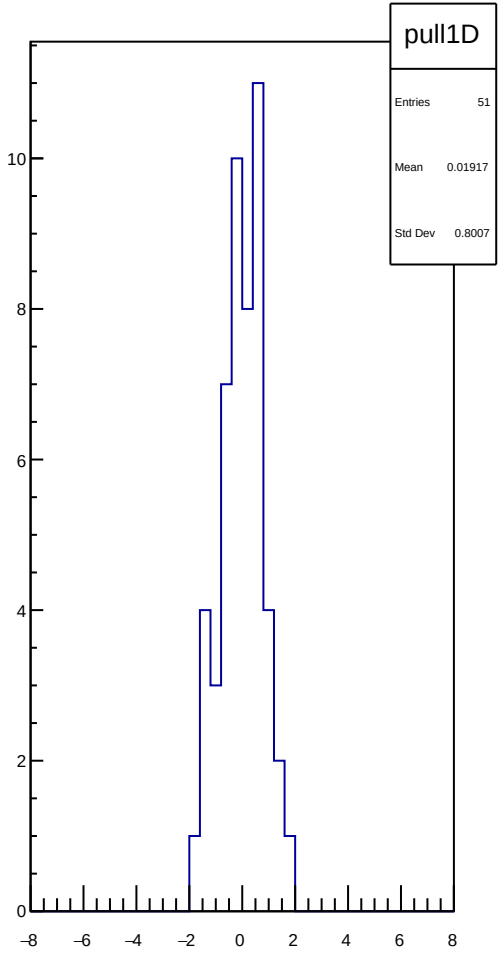

cor_asym_at2_avg_rms vs run
×10^3
800
700
600
500
400
300
200
100
χ² / ndf 3.017e+04 / 51
p0 3.133e+04 ± 31.39
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 1
8553. 2
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 5
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

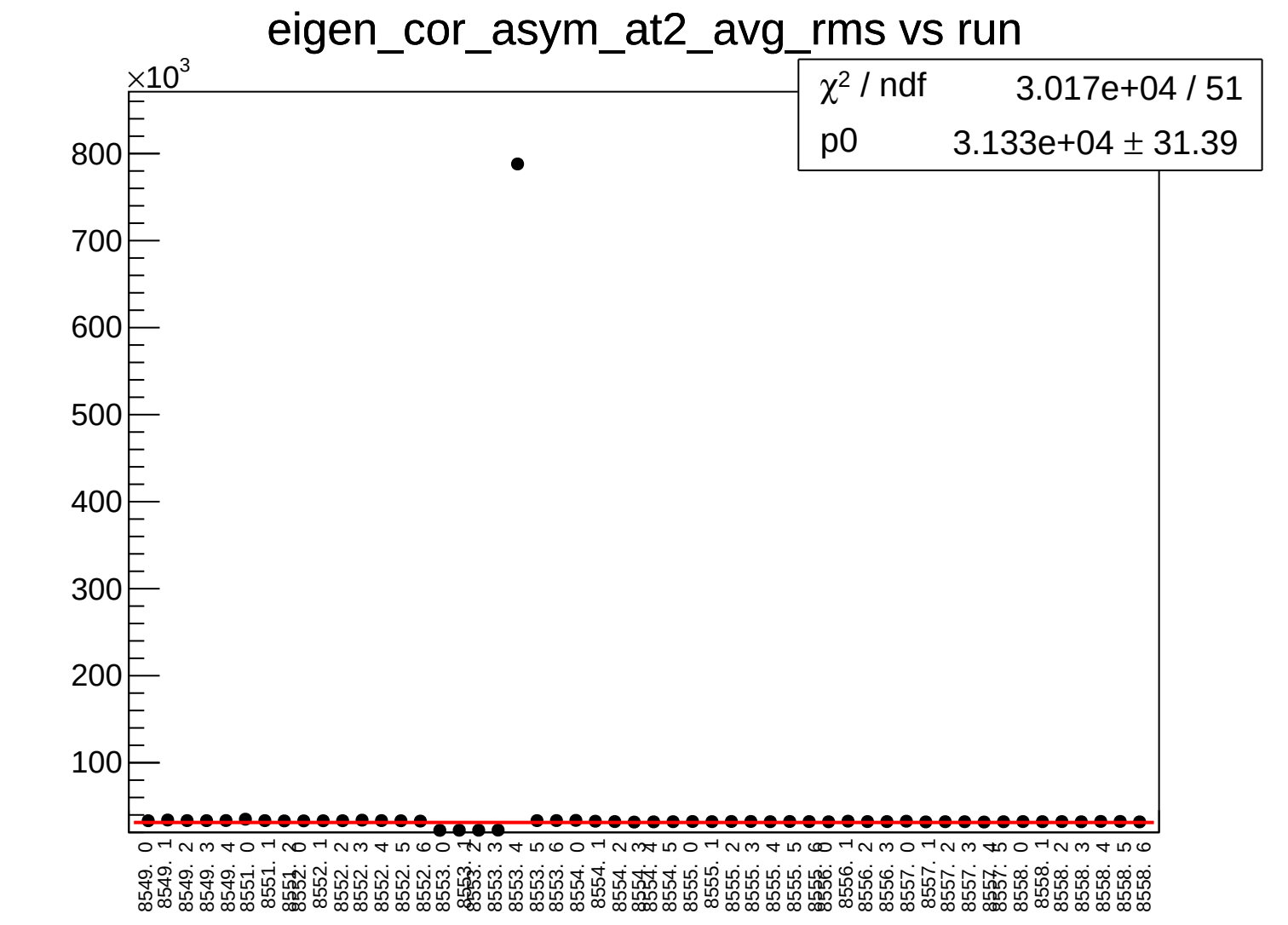

asym_at2_avg_cor_correction_mean vs run
χ² / ndf 48.84 / 51
p0 3051 ± 923.3
×10³
150
100
50
0
−50
−100
pull
Entries 52
Mean 102.1
Std Dev 0
2
1
0
−1
−2

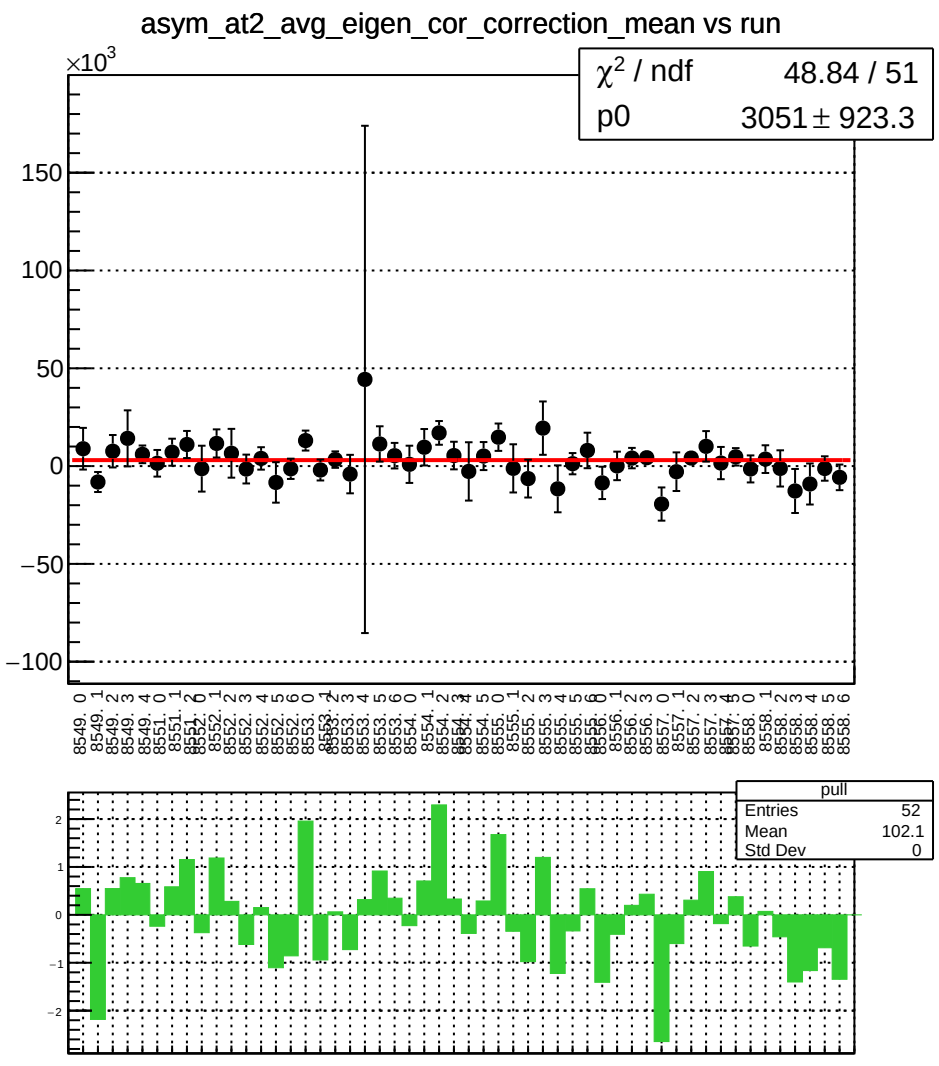

pull1D
Entries 52
Mean −0.05102
Std Dev 0.9678
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

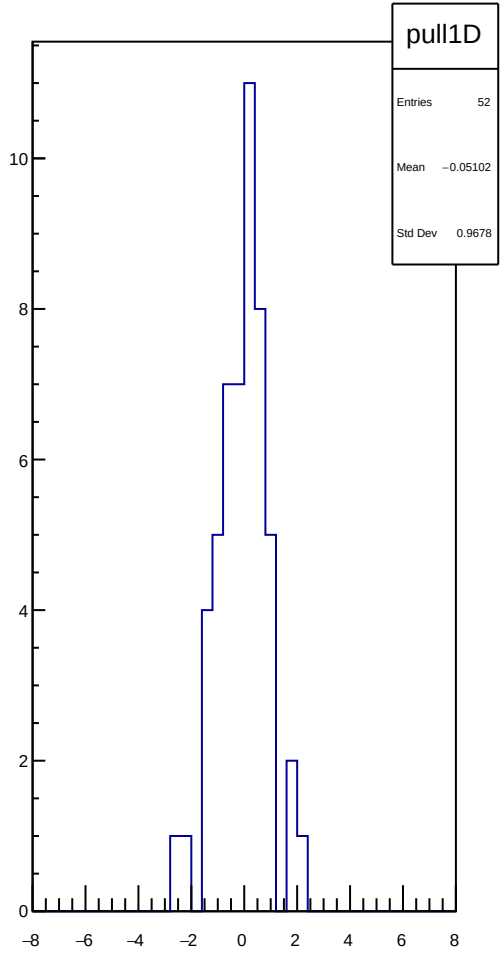

asym_at2_avg_cor_correction_rms vs run
χ² / ndf 1.223e+05 / 51
p0 620.9 ± 0.6529
12000
10000
8000
6000
4000
2000
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 0
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 5
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

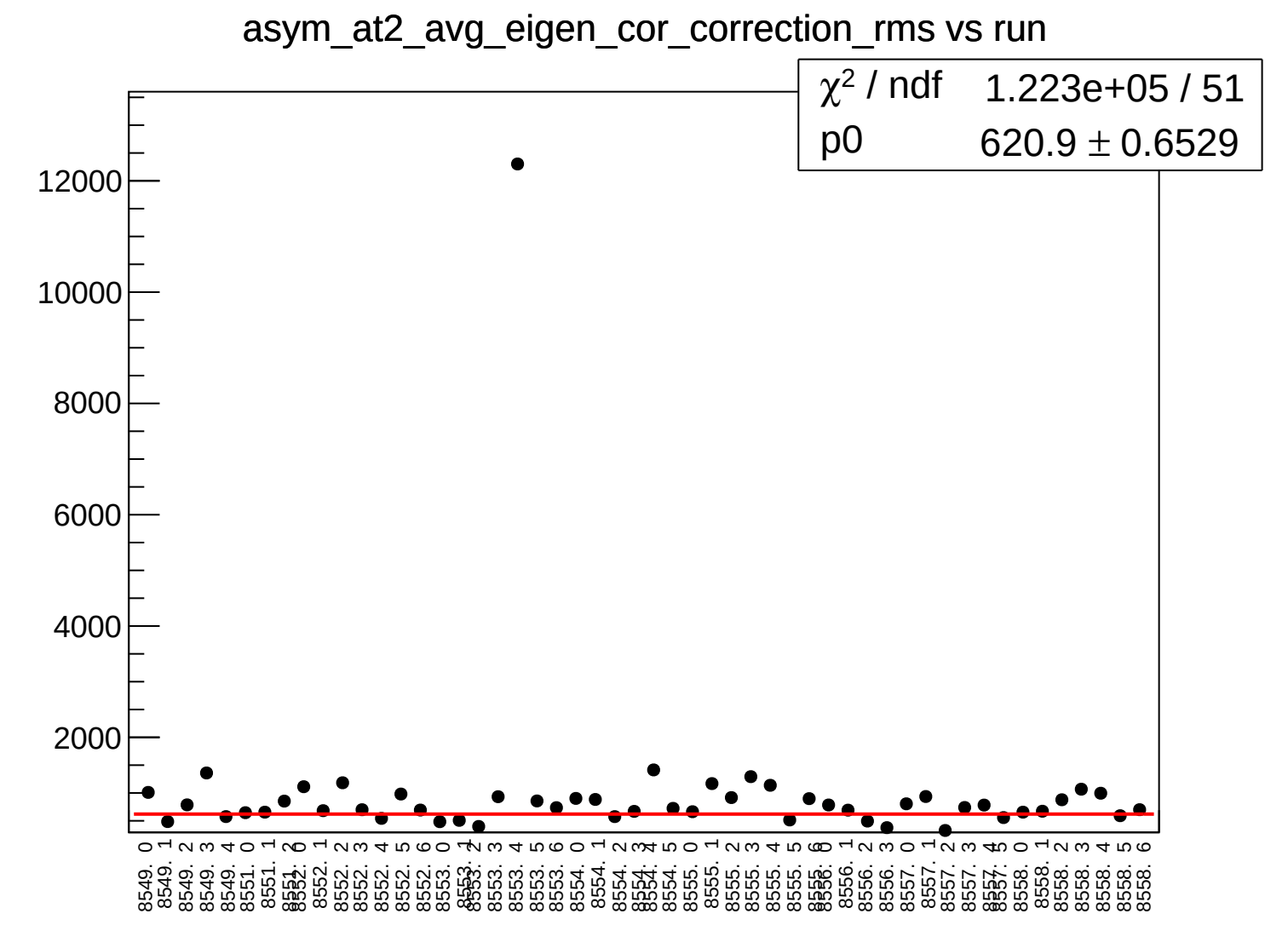

eigen_cor_asym_at2_avg_mean vs run
×10^3
1000
500
0
−500
−1000
χ² / ndf 32.72 / 50
p0 1.808e+04 ± 4.439e+04
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8551. 2
8552. 0
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 1
8553. 2
8553. 3
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 3
8554. 4
8554. 5
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8555. 6
8556. 0
8556. 1
8556. 2
8556. 3
8556. 4
8557. 0
8557. 1
8557. 2
8557. 3
8557. 4
8557. 5
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6
1.5
1
0.5
0
−0.5
−1
−1.5
pull
Entries 51
Mean 40.71
Std Dev 0

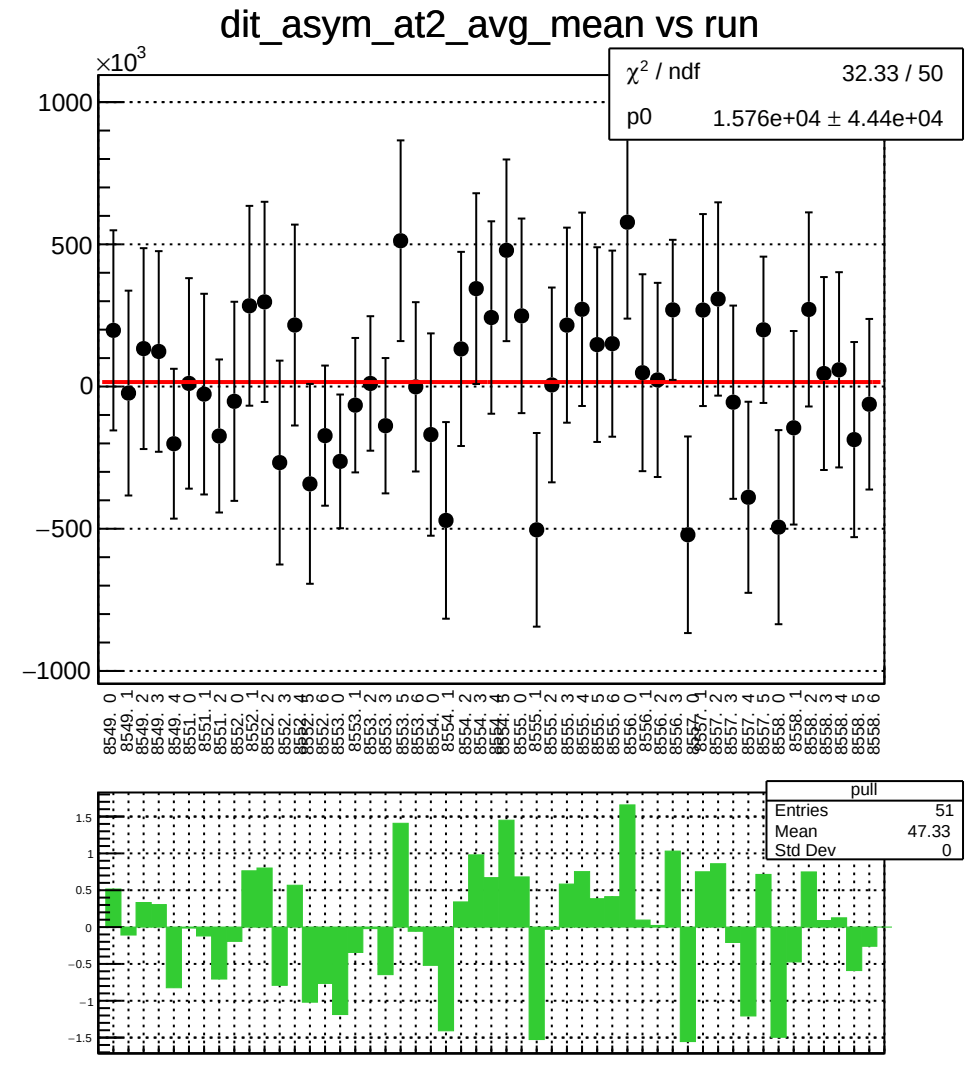

pull1D
Entries 51
Mean 0.01917
Std Dev 0.8007
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

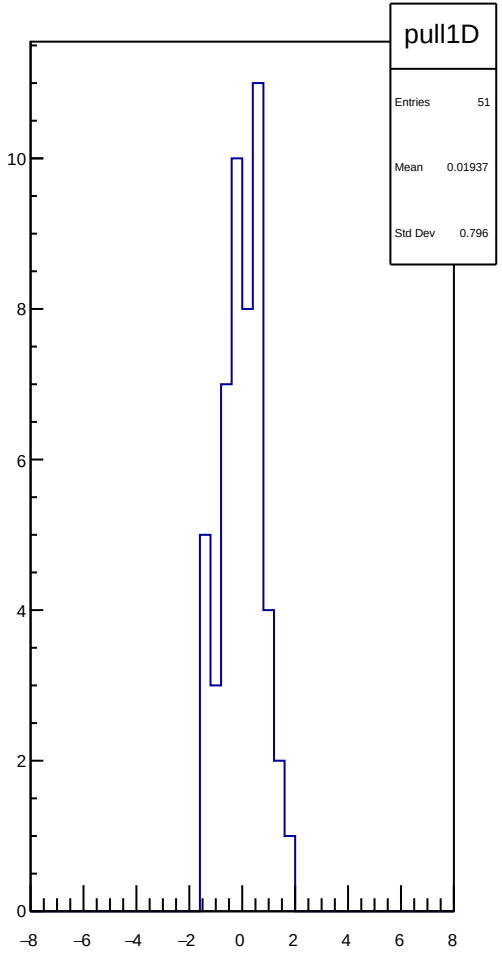

eigen_cor_asym_at2_avg_rms vs run
×10^3
800
700
600
500
400
300
200
100
χ² / ndf 3.017e+04 / 51
p0 3.133e+04 ± 31.39
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 5
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

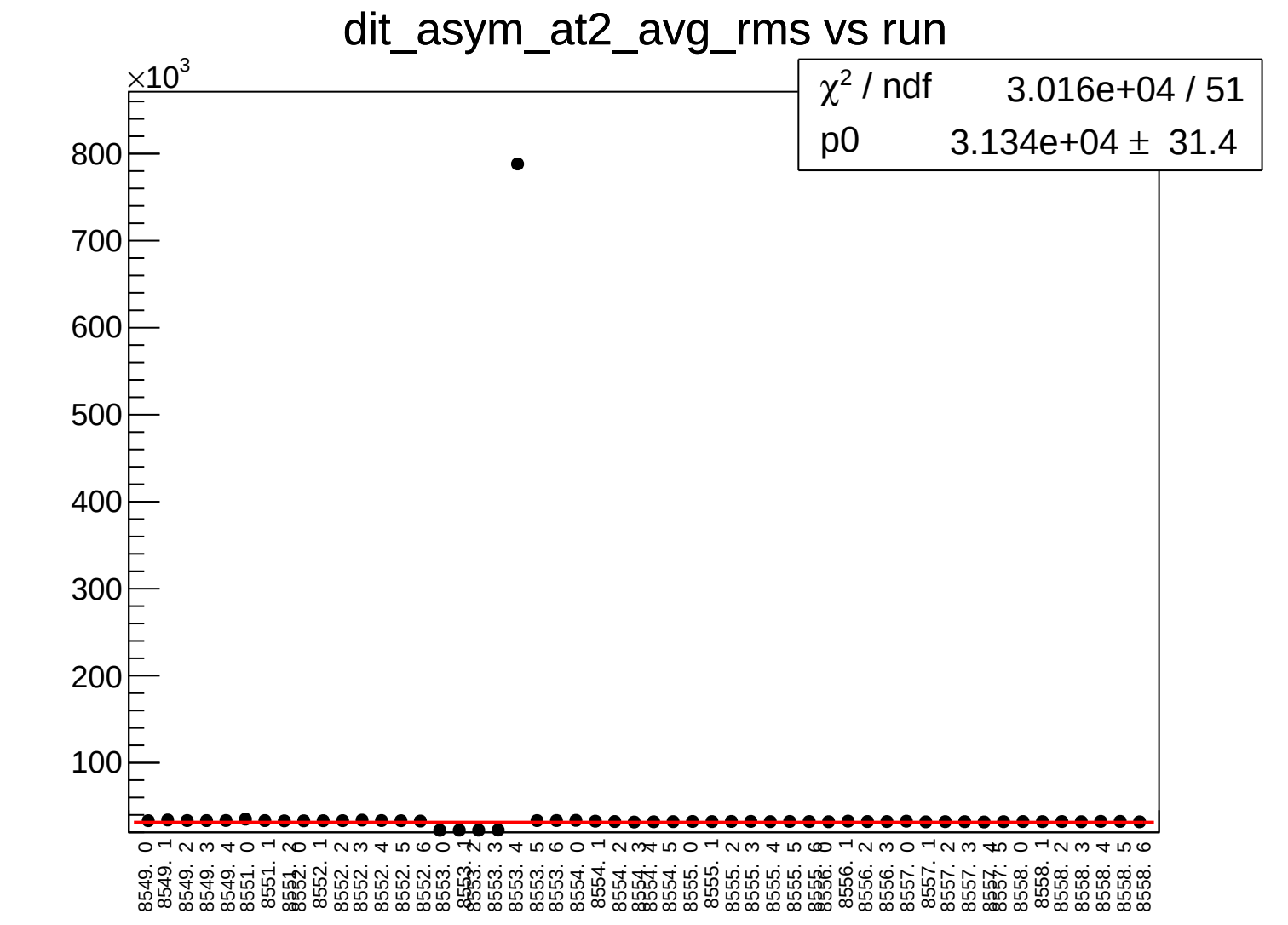

asym_at2_avg_eigen_cor_correction_mean vs run
×10^3
χ² / ndf 48.84 / 51
p0 3051 ± 923.3
150
100
50
0
−50
−100
pull
Entries 52
Mean 102.1
Std Dev 0
2
1
0
−1
−2

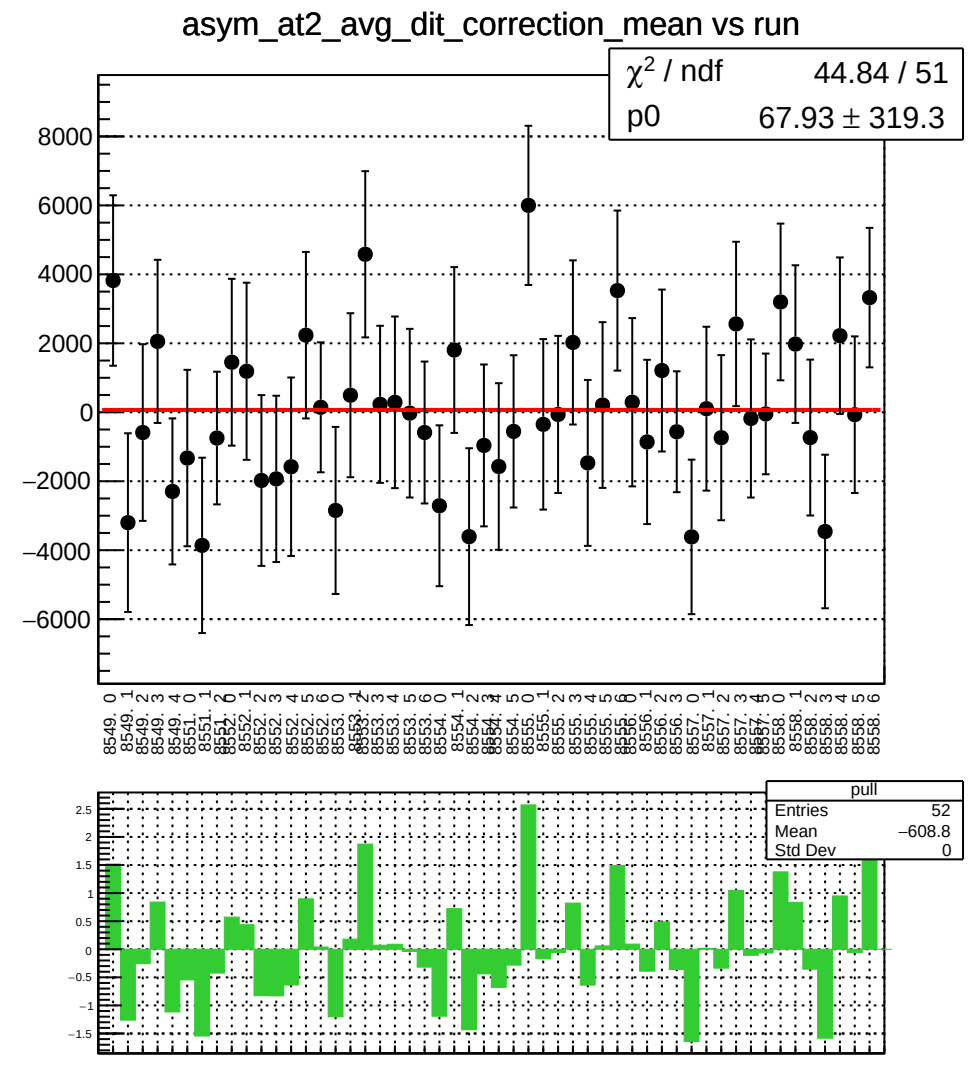

pull1D
Entries 52
Mean −0.05102
Std Dev 0.9678
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

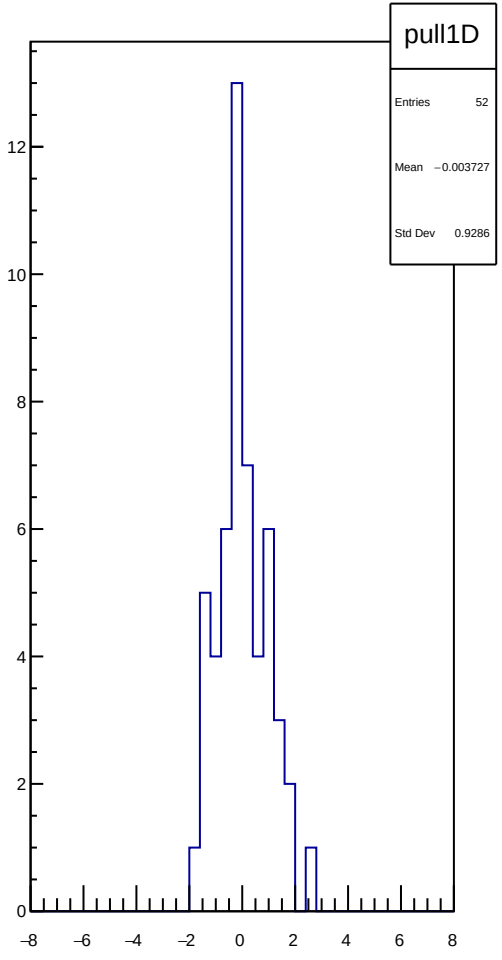

asym_at2_avg_eigen_cor_correction_rms vs run
χ² / ndf 1.223e+05 / 51
p0 620.9 ± 0.6529
12000
10000
8000
6000
4000
2000
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 0
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 5
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

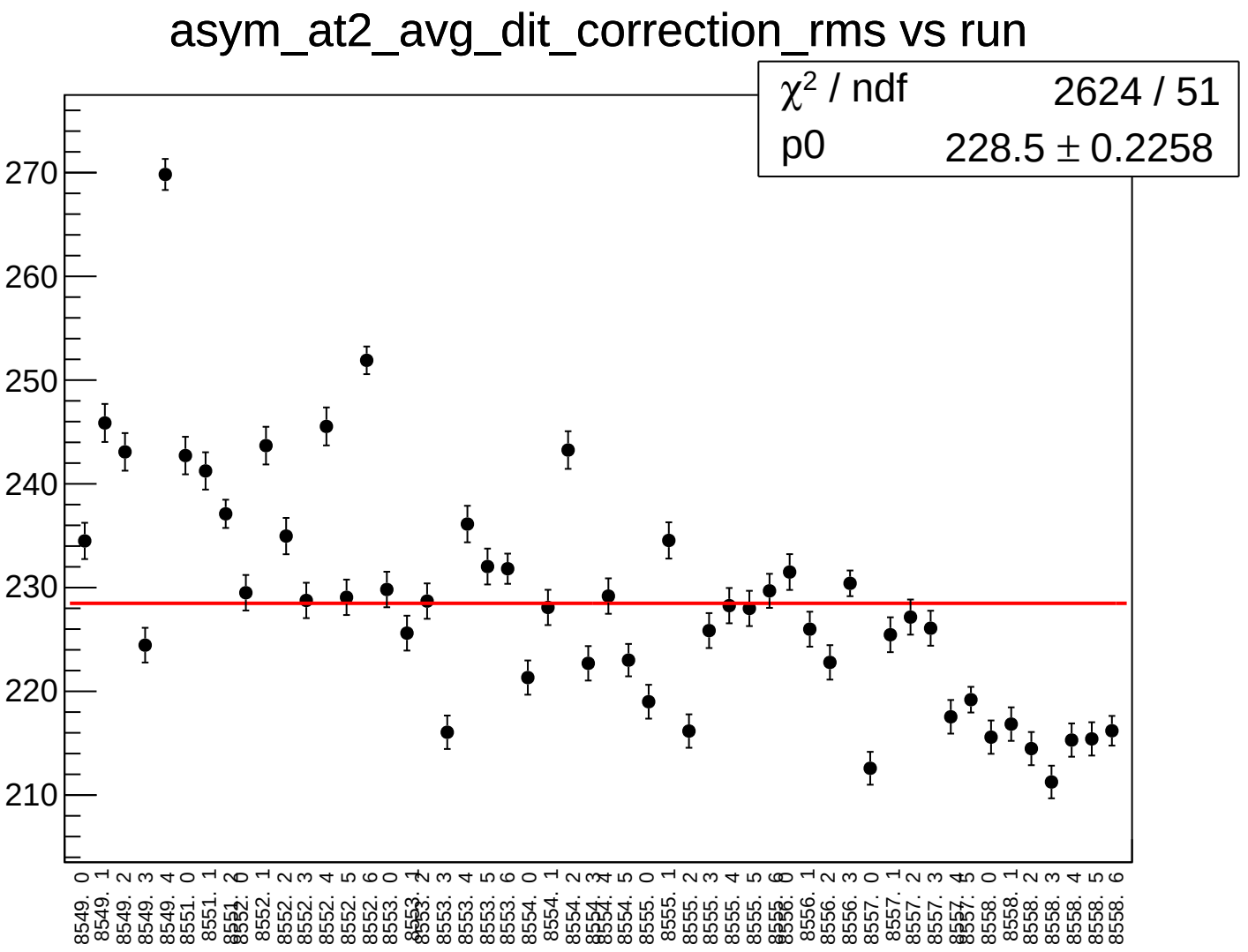

dit_asym_at2_avg_mean vs run
×10^3
χ² / ndf 32.33 / 50
p0 1.576e+04 ± 4.44e+04
1000
500
0
−500
−1000
pull
Entries 51
Mean 47.33
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5

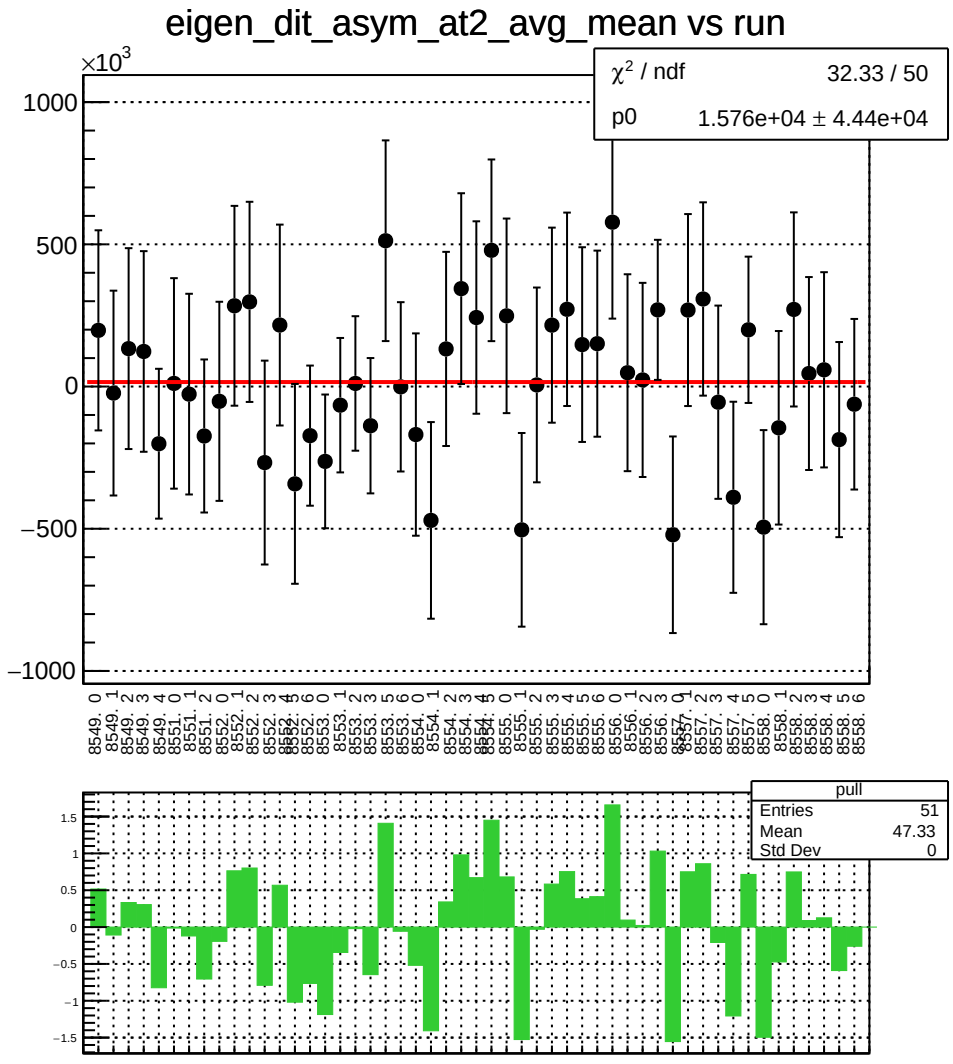

pull1D
Entries 51
Mean 0.01937
Std Dev 0.796
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

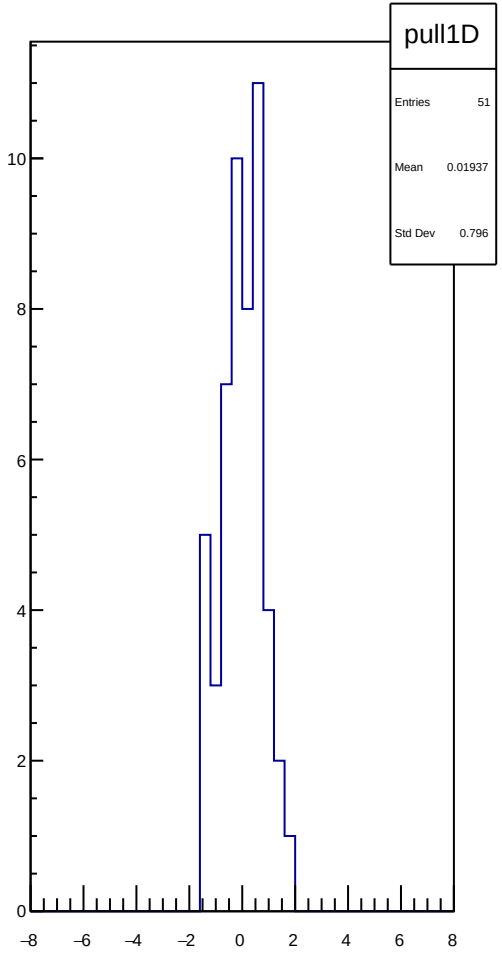

dit_asym_at2_avg_rms vs run
×10^3
800
700
600
500
400
300
200
100
χ² / ndf 3.016e+04 / 51
p0 3.134e+04 ± 31.4
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 0
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 1
8553. 2
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 3
8554. 4
8554. 5
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

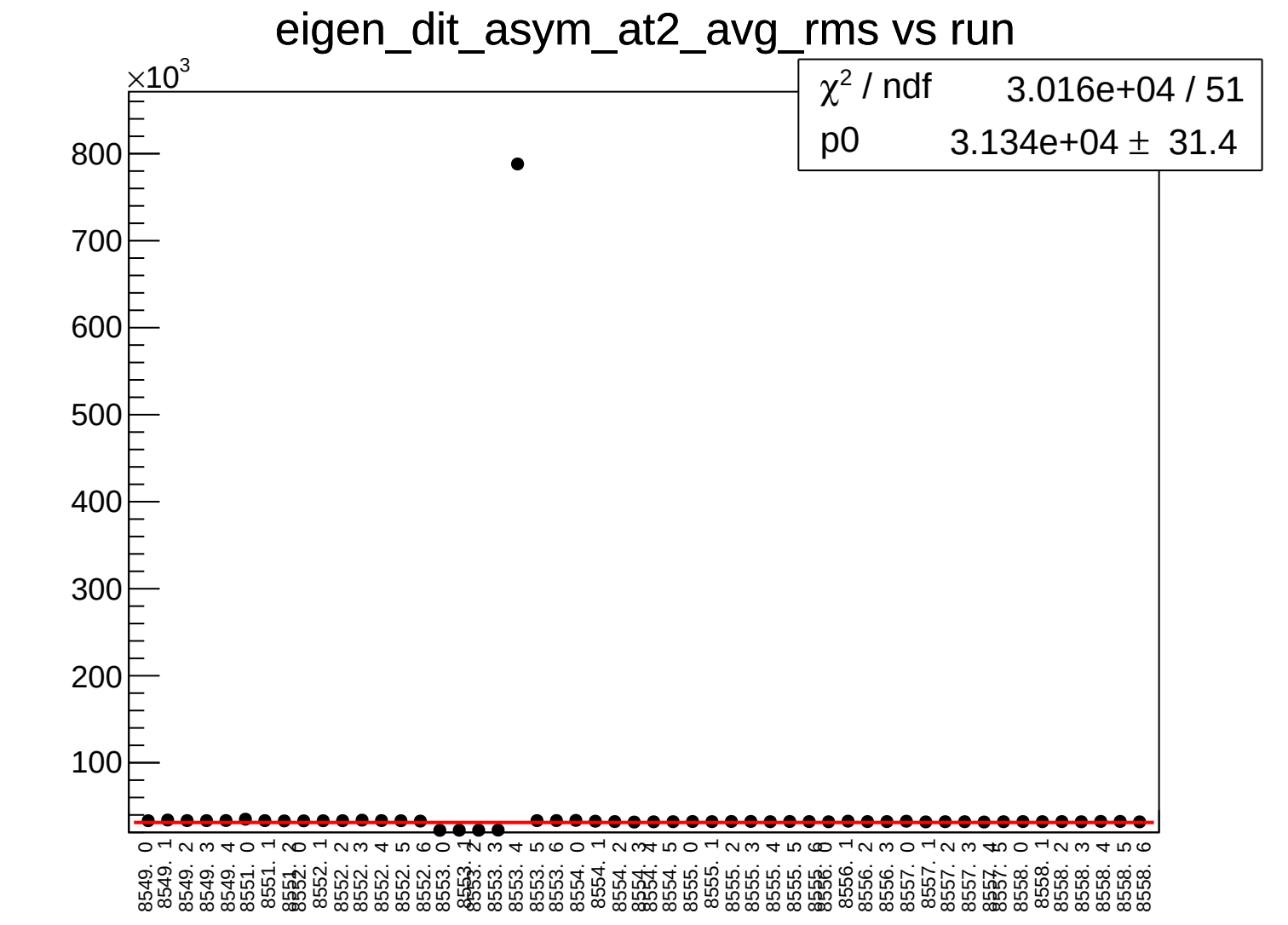

asym_at2_avg_dit_correction_mean vs run
χ² / ndf 44.84 / 51
p0 67.93 ± 319.3
pull
Entries 52
Mean −608.8
Std Dev 0

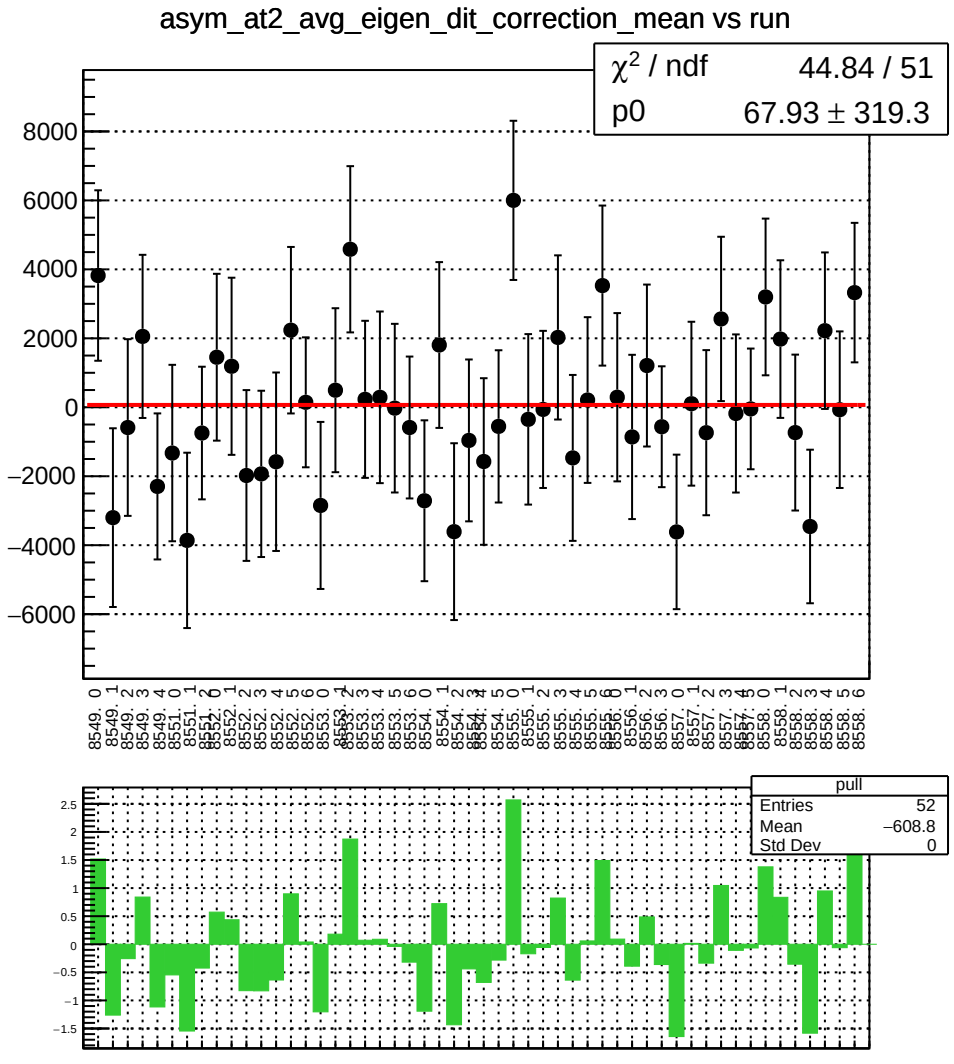

pull1D
Entries 52
Mean −0.003727
Std Dev 0.9286

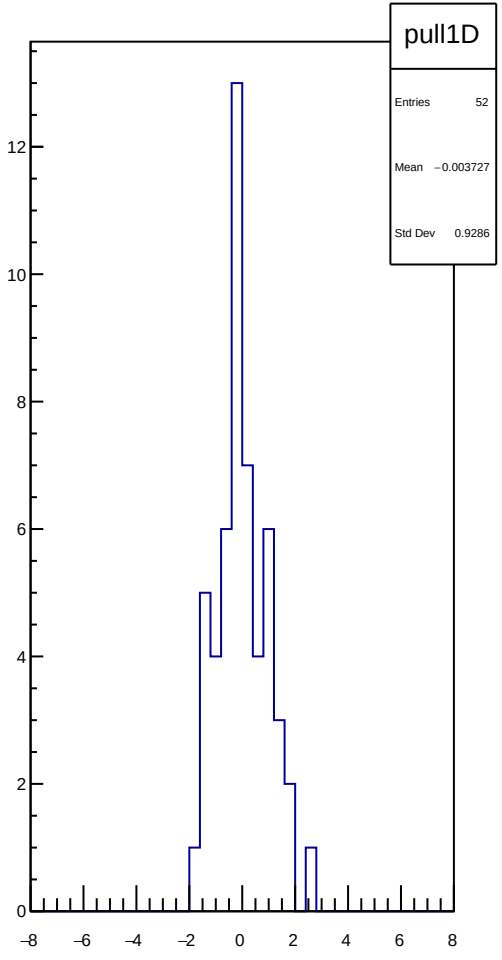

asym_at2_avg_dit_correction_rms vs run
χ² / ndf 2624 / 51
p0 228.5 ± 0.2258
270
260
250
240
230
220
210
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

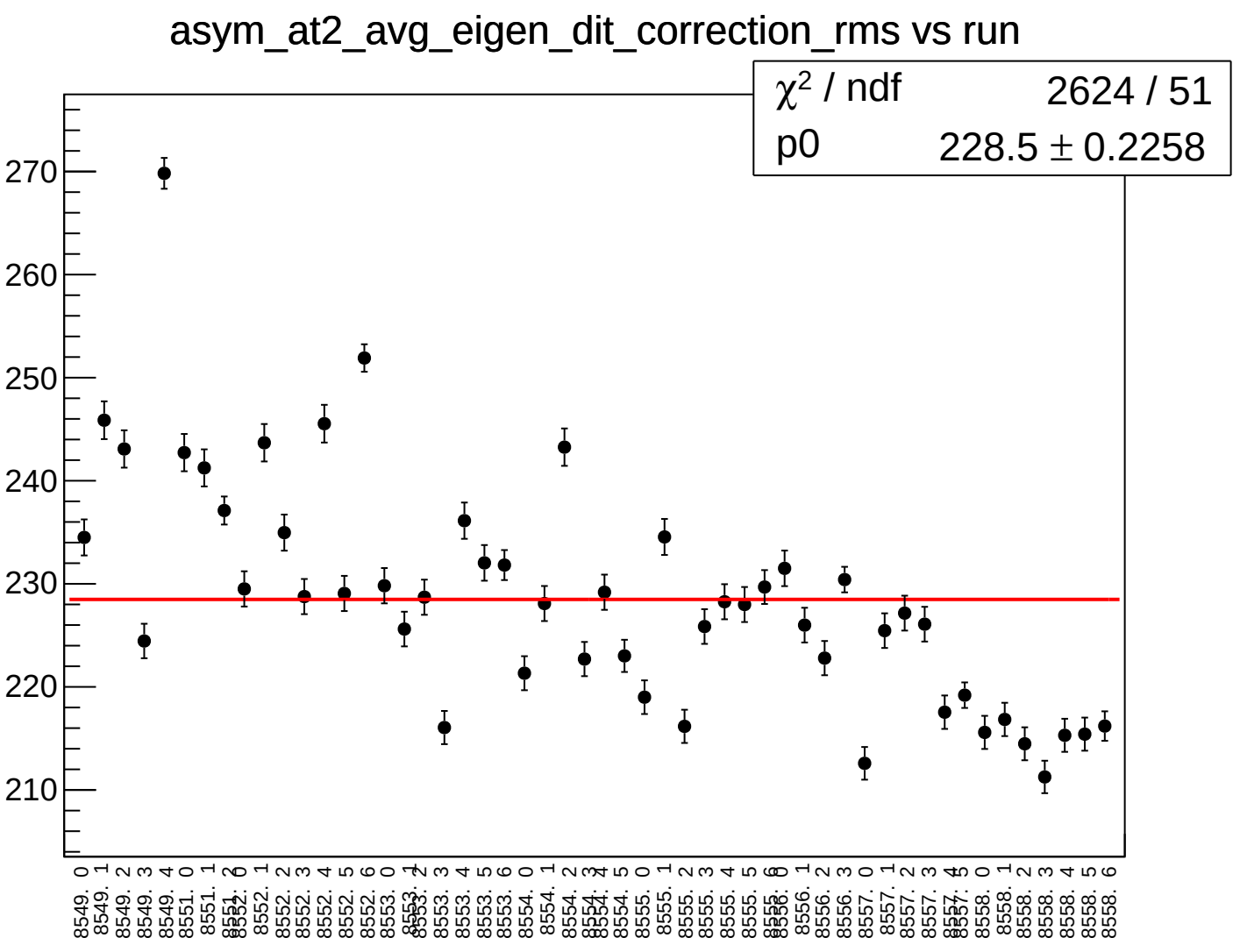

eigen_dit_asym_at2_avg_mean vs run
×10^3
χ² / ndf 32.33 / 50
p0 1.576e+04 ± 4.44e+04
1000
500
0
−500
−1000
pull
Entries 51
Mean 47.33
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5

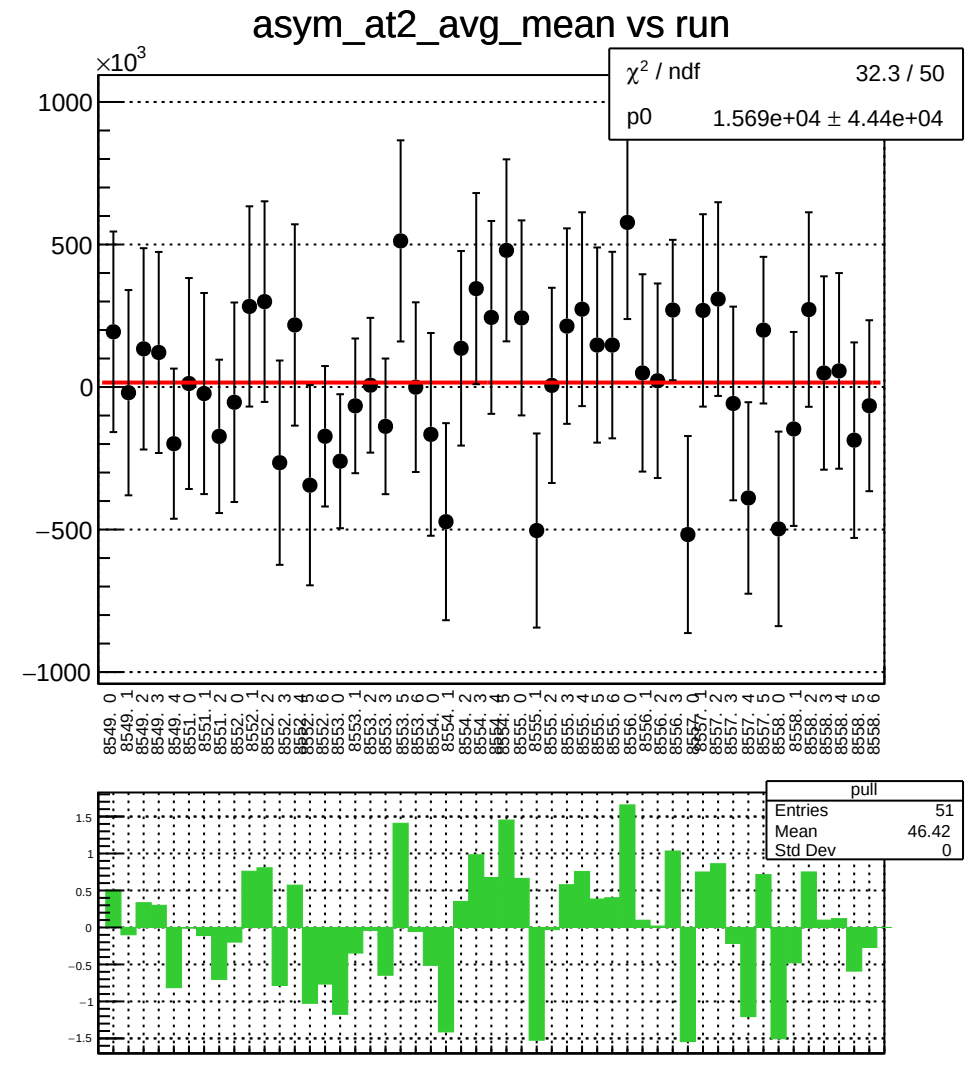

pull1D
Entries 51
Mean 0.01937
Std Dev 0.796
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

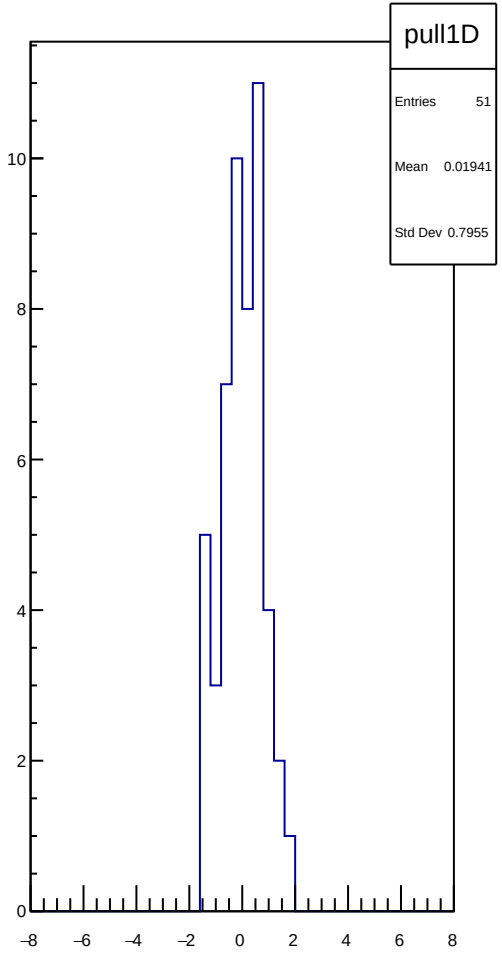

eigen_dit_asym_at2_avg_rms vs run
×10^3
800
700
600
500
400
300
200
100
χ² / ndf 3.016e+04 / 51
p0 3.134e+04 ± 31.4
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 0
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 1
8553. 2
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 5
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

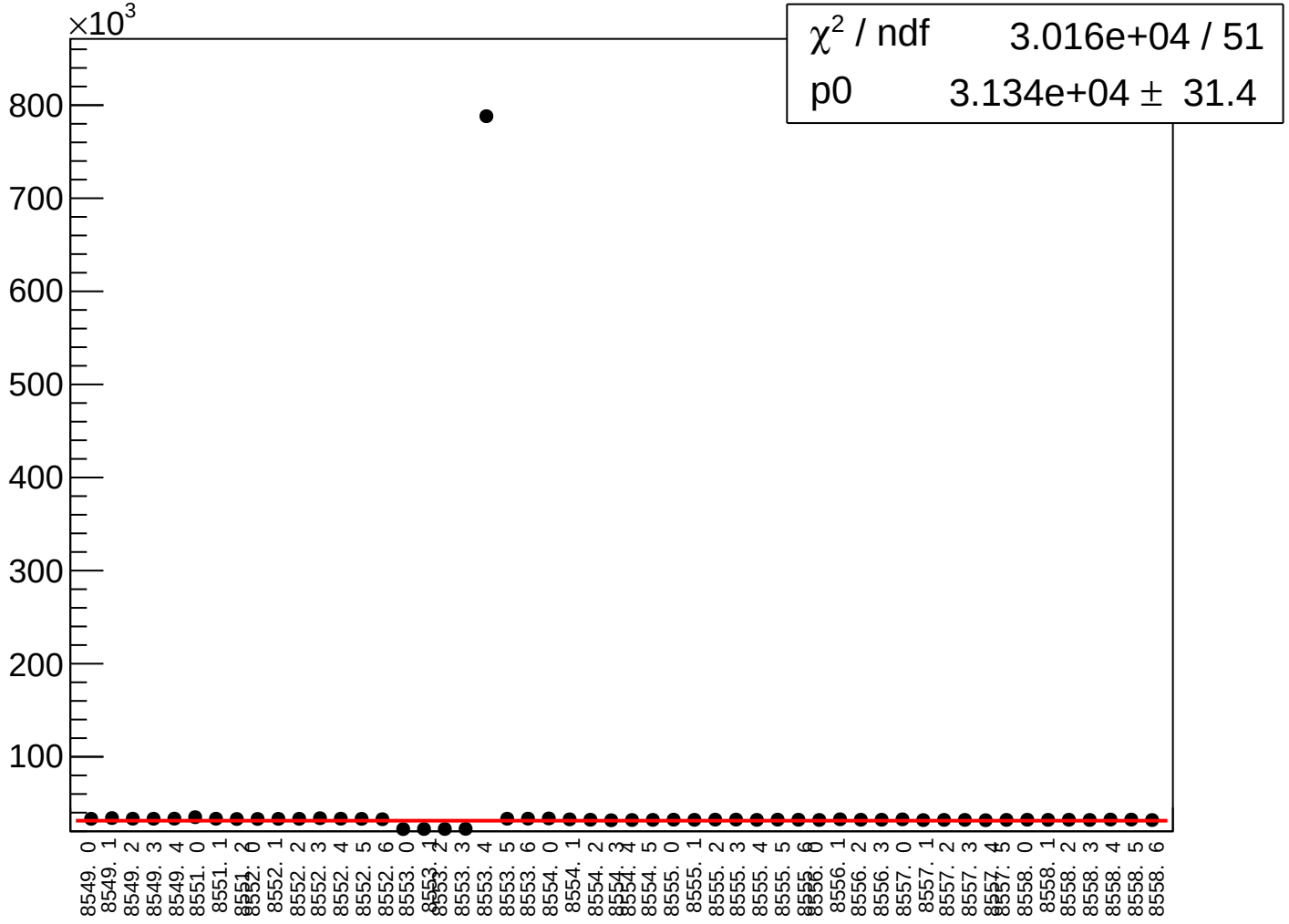

asym_at2_avg_eigen_dit_correction_mean vs run
χ² / ndf 44.84 / 51
p0 67.93 ± 319.3
pull
Entries 52
Mean −608.8
Std Dev 0

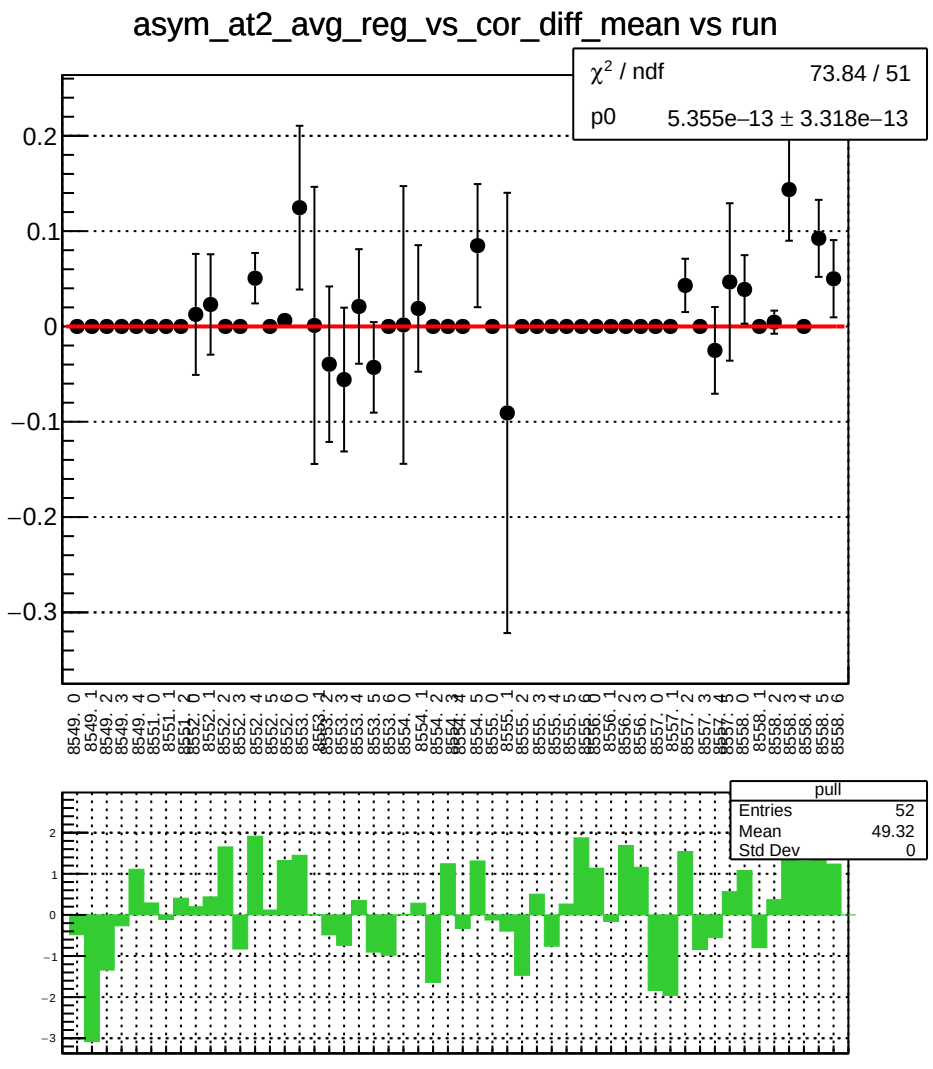

pull1D
Entries 52
Mean −0.003727
Std Dev 0.9286

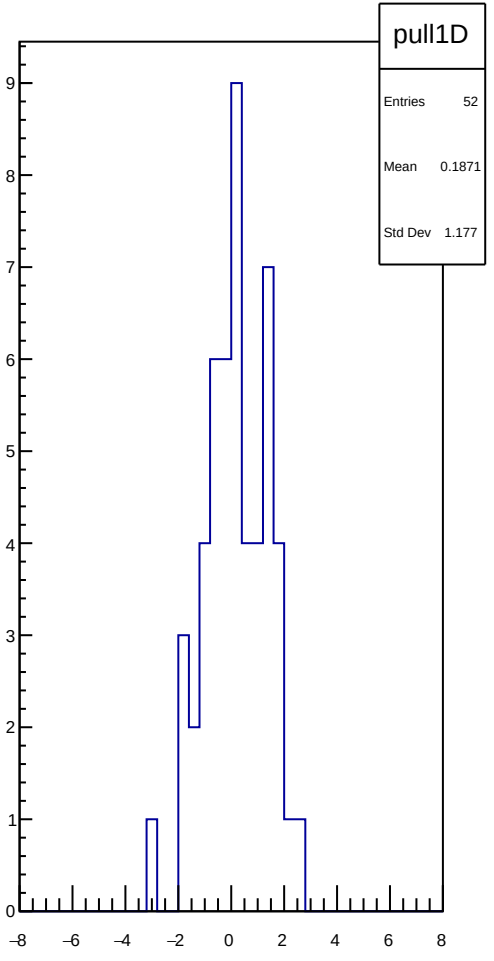

asym_at2_avg_eigen_dit_correction_rms vs run
χ² / ndf 2624 / 51
p0 228.5 ± 0.2258
270
260
250
240
230
220
210
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

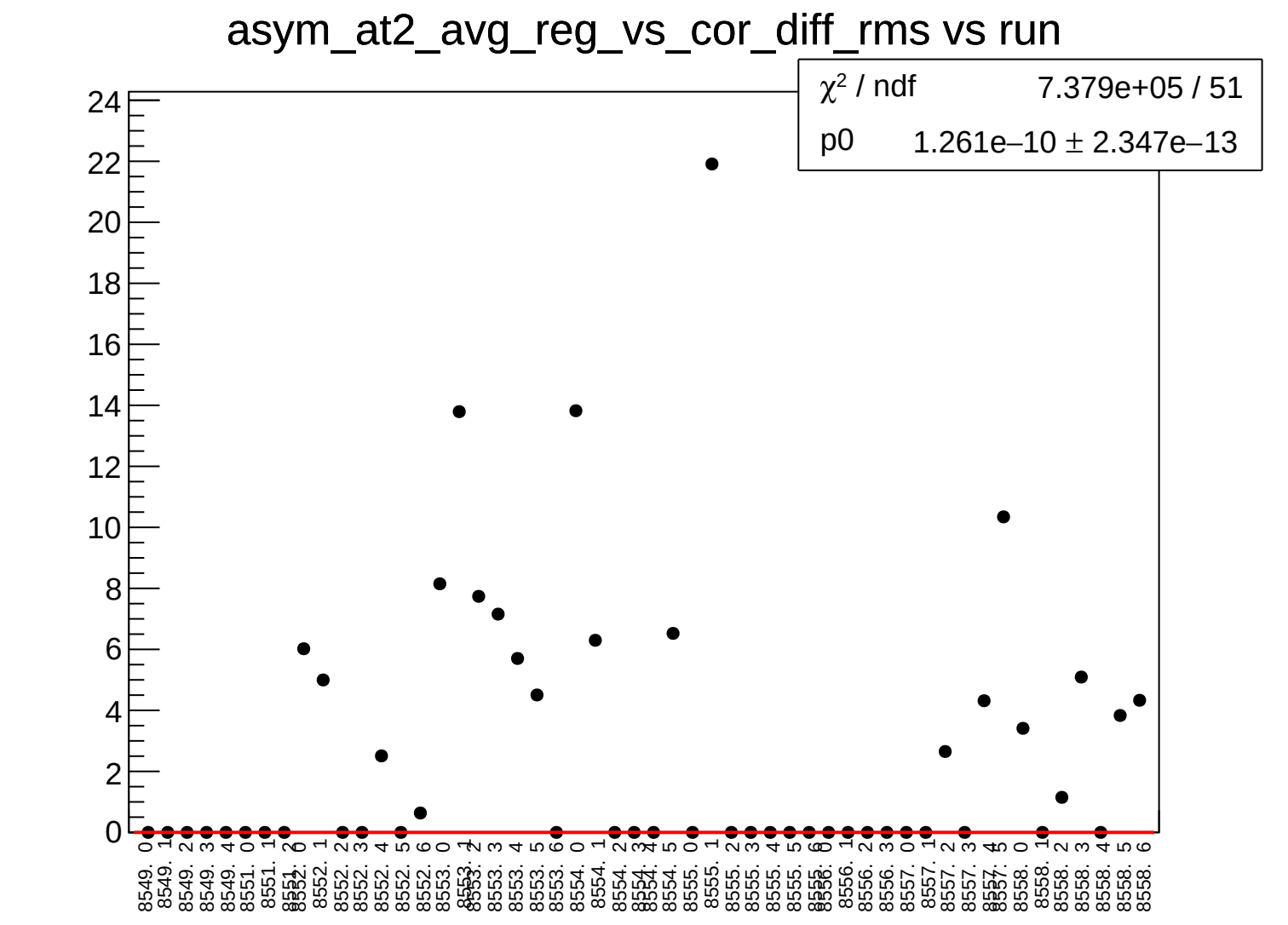

asym_at2_avg_mean vs run
×10^3
1000
500
0
−500
−1000
χ² / ndf 32.3 / 50
p0 1.569e+04 ± 4.44e+04
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8551. 2
8552. 0
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 1
8553. 2
8553. 3
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 3
8554. 4
8554. 5
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8555. 6
8556. 0
8556. 1
8556. 2
8556. 3
8556. 4
8557. 0
8557. 1
8557. 2
8557. 3
8557. 4
8557. 5
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6
pull
Entries 51
Mean 46.42
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5


pull1D
Entries 51
Mean 0.01941
Std Dev 0.7955
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


asym_at2_avg_rms vs run
×10^3
800
700
600
500
400
300
200
100
χ² / ndf 3.016e+04 / 51
p0 3.134e+04 ± 31.4
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 5
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6


asym_at2_avg_reg_vs_cor_diff_mean vs run
χ² / ndf 73.84 / 51
p0 5.355e−13 ± 3.318e−13
pull
Entries 52
Mean 49.32
Std Dev 0


pull1D
Entries 52
Mean 0.1871
Std Dev 1.177


asym_at2_avg_reg_vs_cor_diff_rms vs run
χ² / ndf 7.379e+05 / 51
p0 1.261e−10 ± 2.347e−13
24
22
20
18
16
14
12
10
8
6
4
2
0
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 1
8553. 2
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 5
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
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8557. 2
8557. 3
8558. 0
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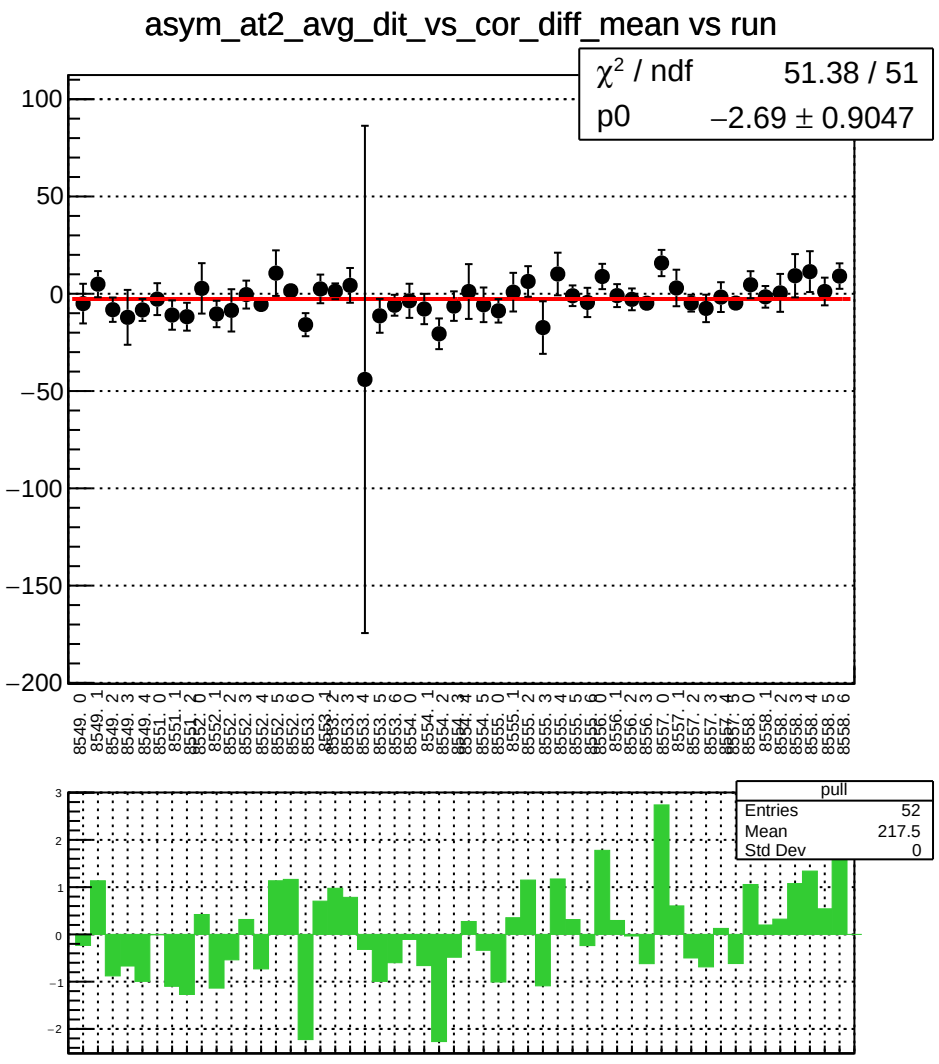
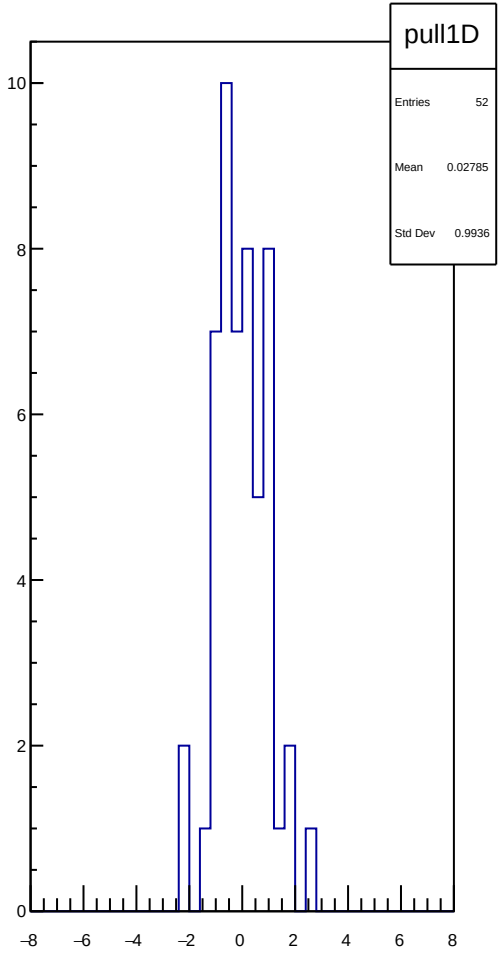
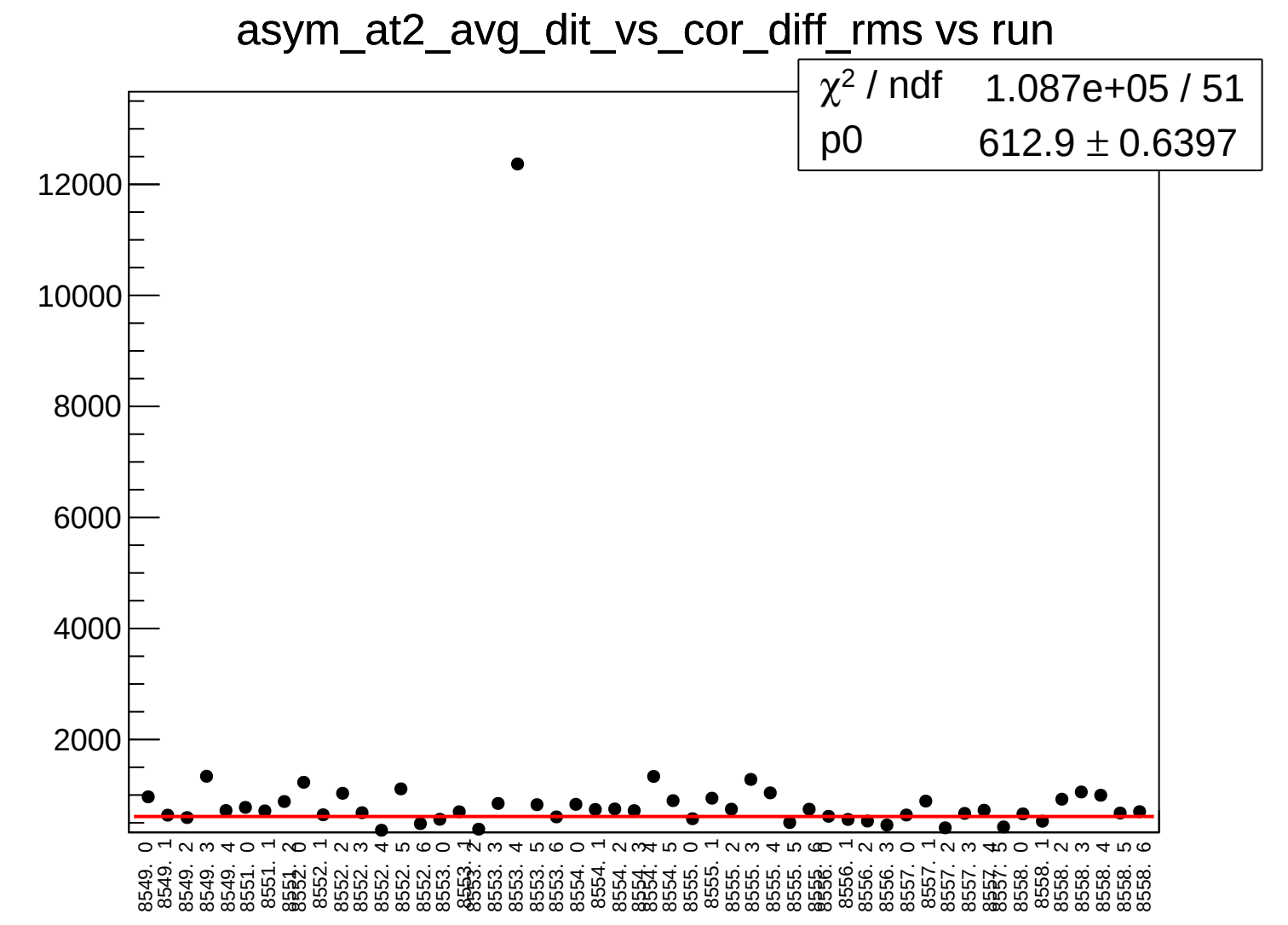
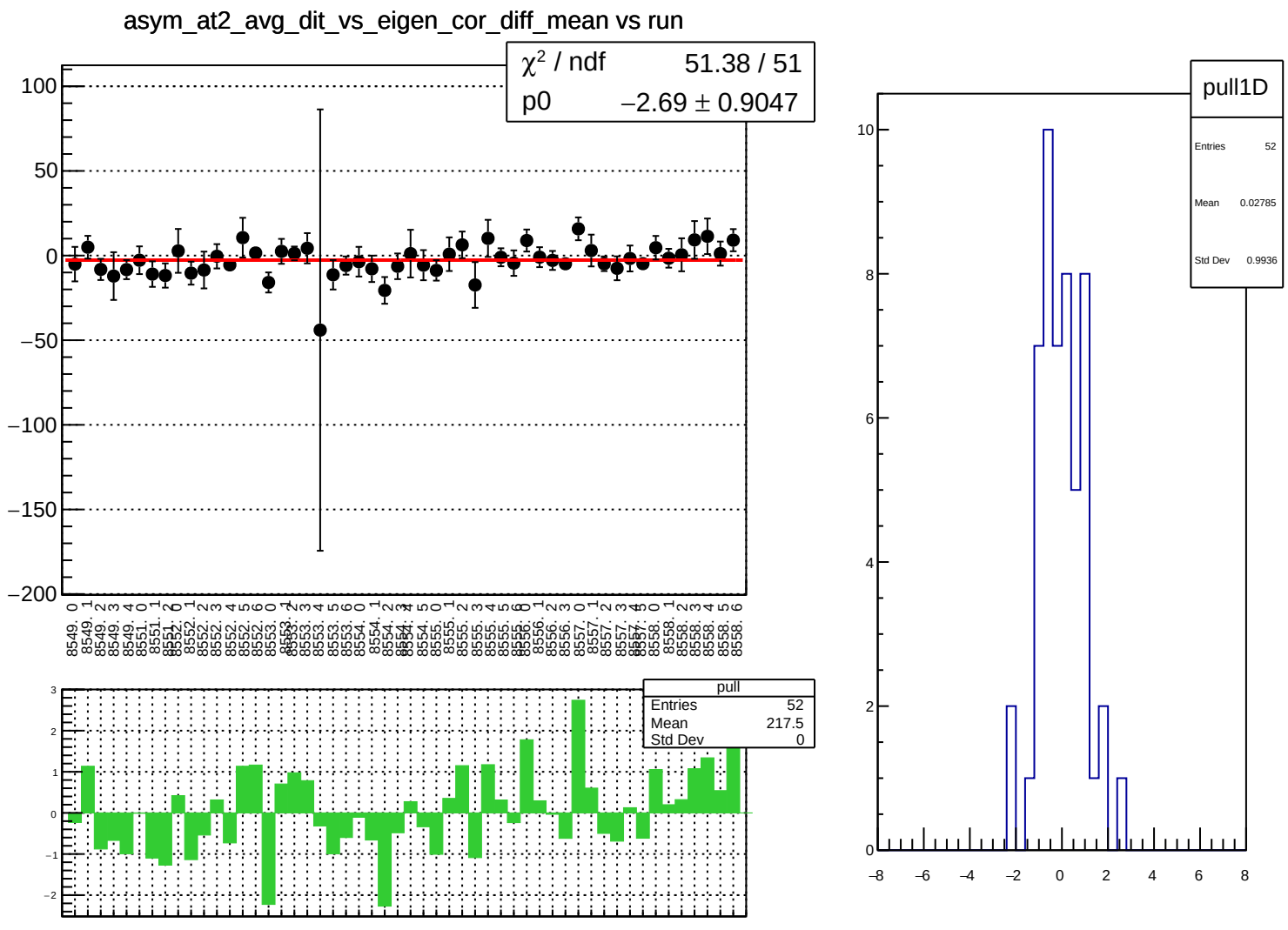
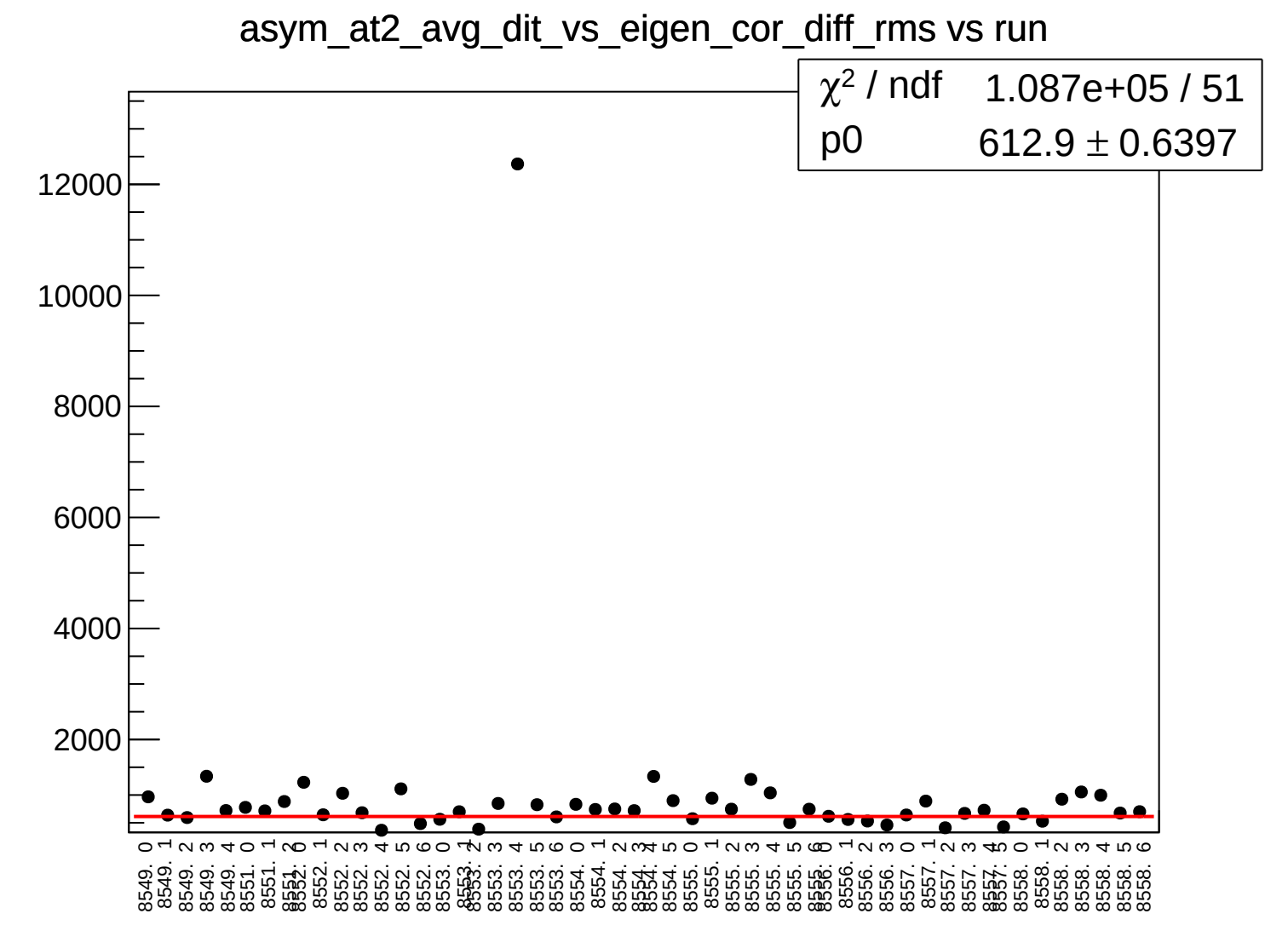
8558. 3
8558. 4
8558. 5
8558. 6


asym_at2_avg_dit_vs_cor_diff_mean vs run
χ² / ndf 51.38 / 51
p0 −2.69 ± 0.9047
pull
Entries 52
Mean 217.5
Std Dev 0


pull1D
Entries 52
Mean 0.02785
Std Dev 0.9936


asym_at2_avg_dit_vs_cor_diff_rms vs run
χ² / ndf 1.087e+05 / 51
p0 612.9 ± 0.6397
12000
10000
8000
6000
4000
2000
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6


asym_at2_avg_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 51.38 / 51
p0 −2.69 ± 0.9047
pull
Entries 52
Mean 217.5
Std Dev 0
pull1D
Entries 52
Mean 0.02785
Std Dev 0.9936


asym_at2_avg_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.087e+05 / 51
p0 612.9 ± 0.6397
12000
10000
8000
6000
4000
2000
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
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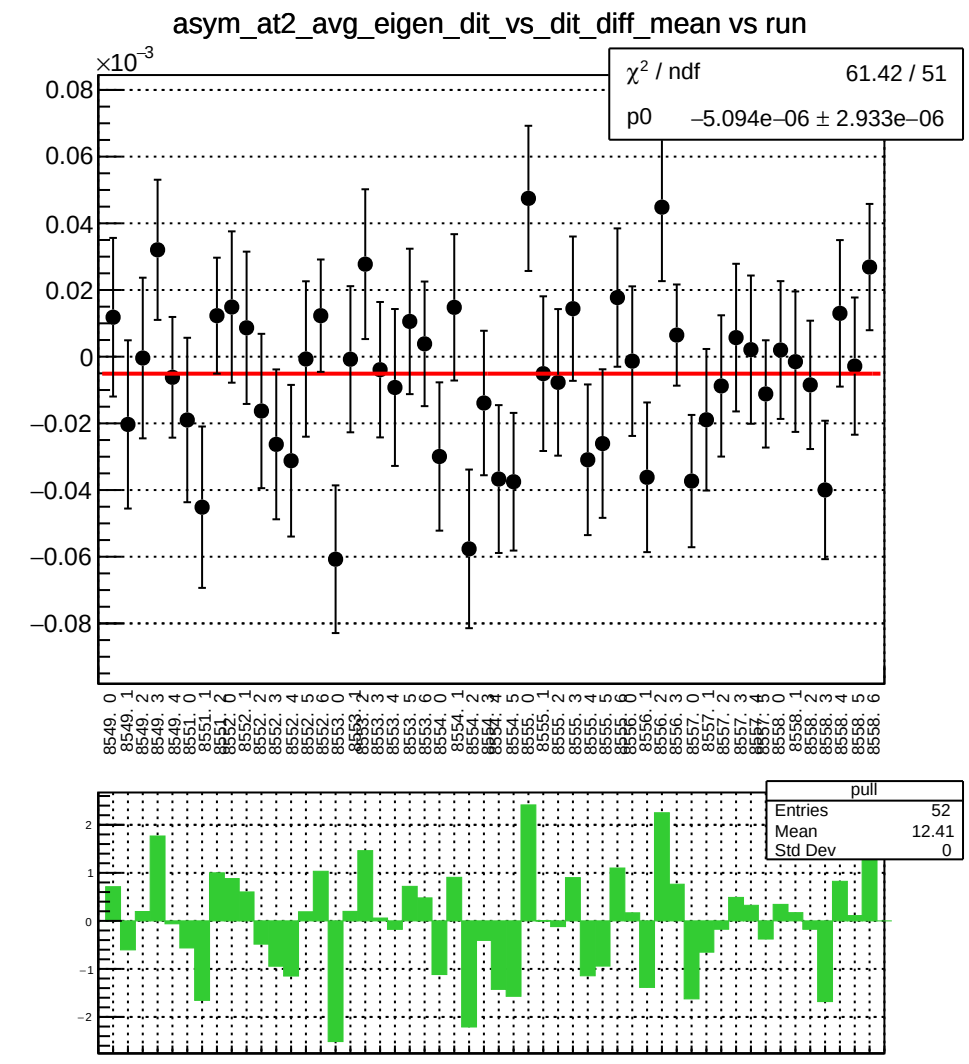
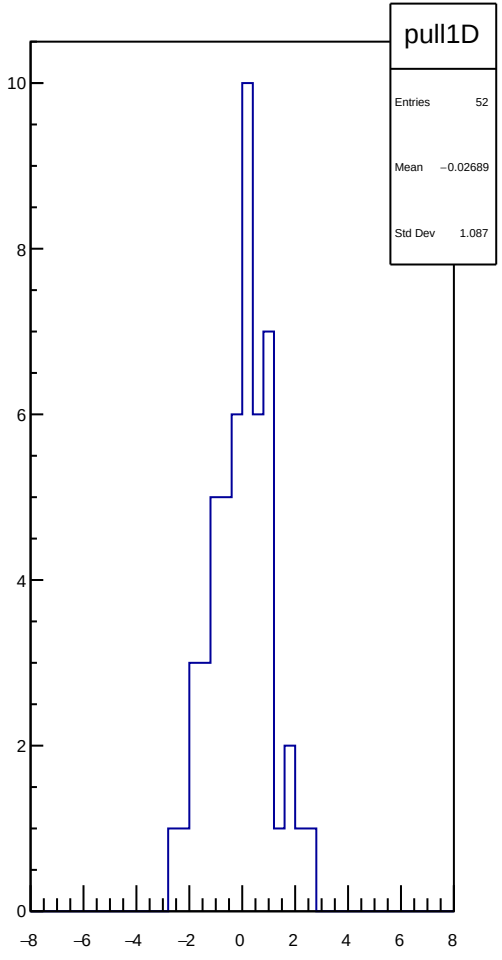
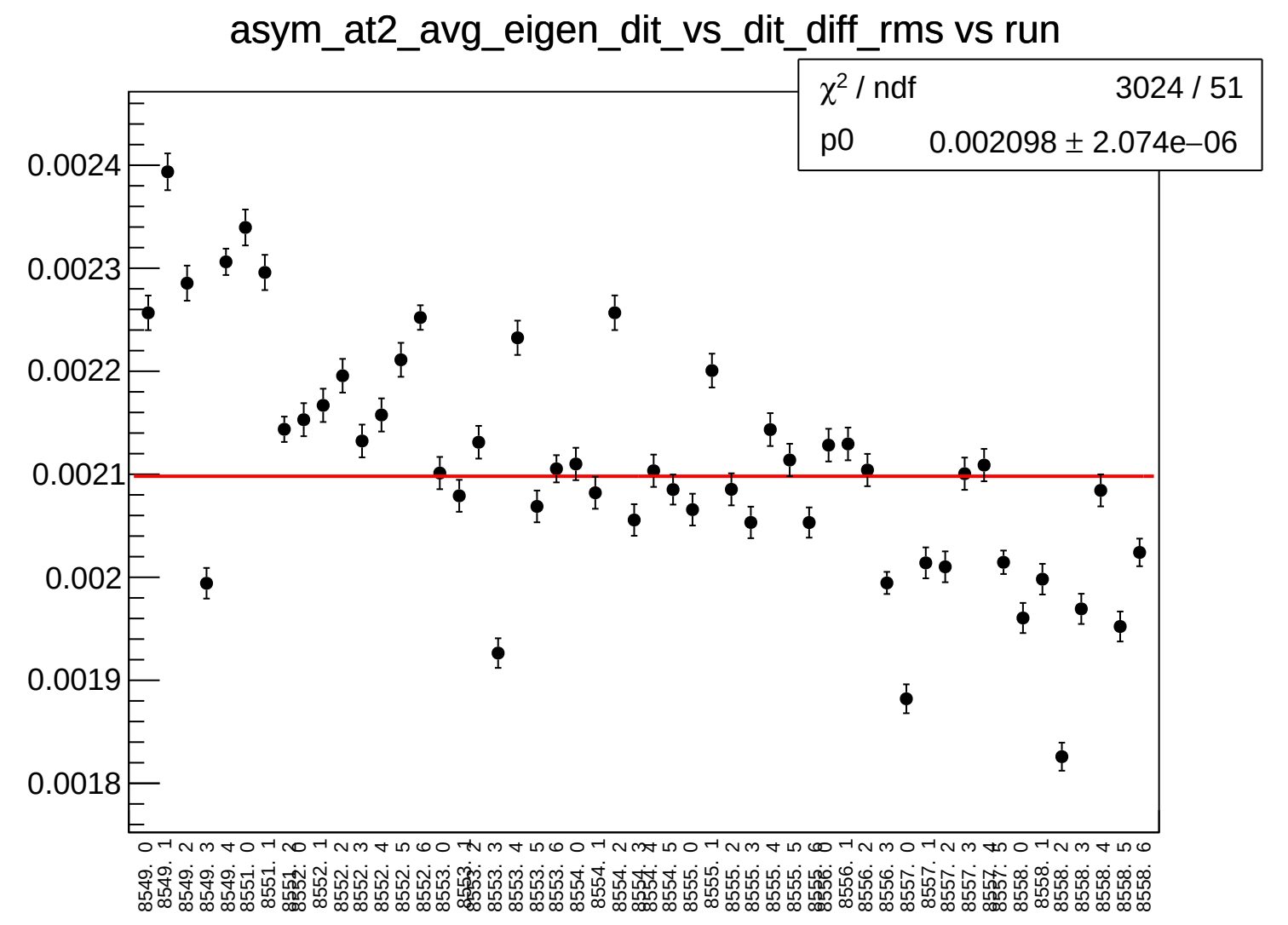
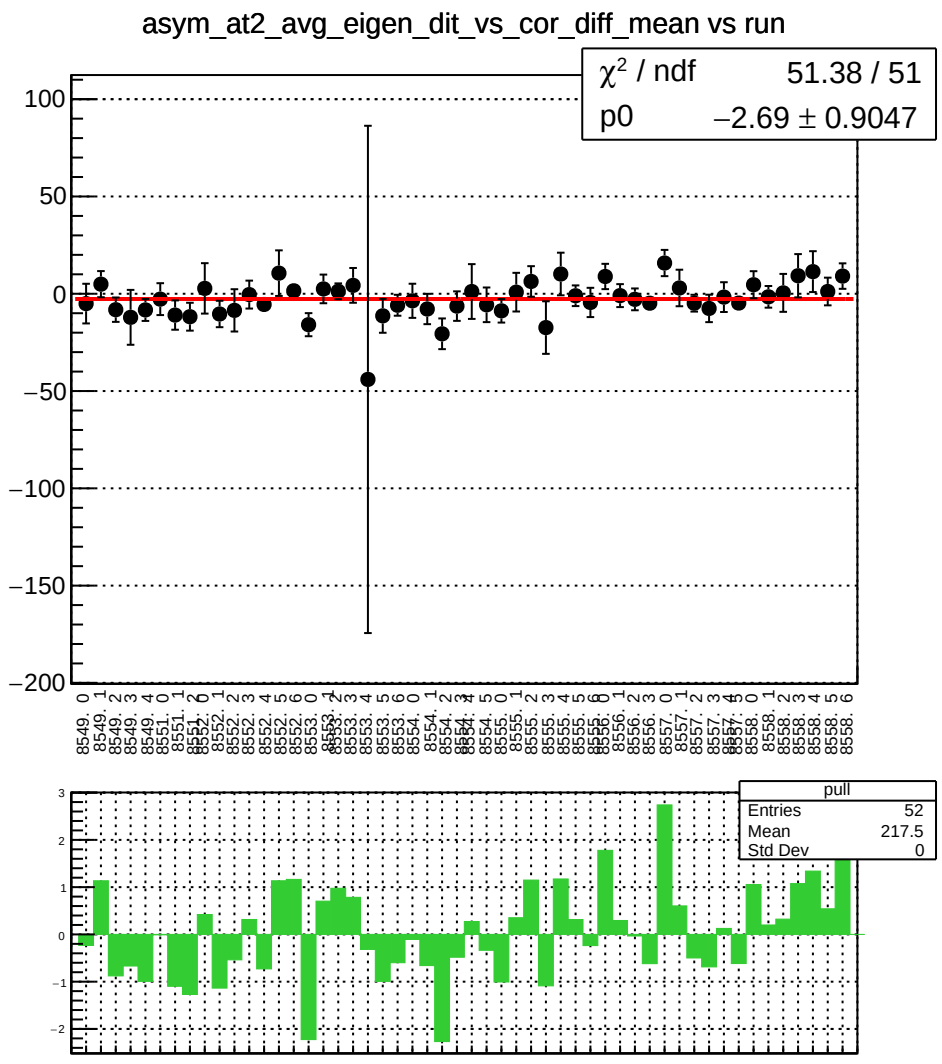
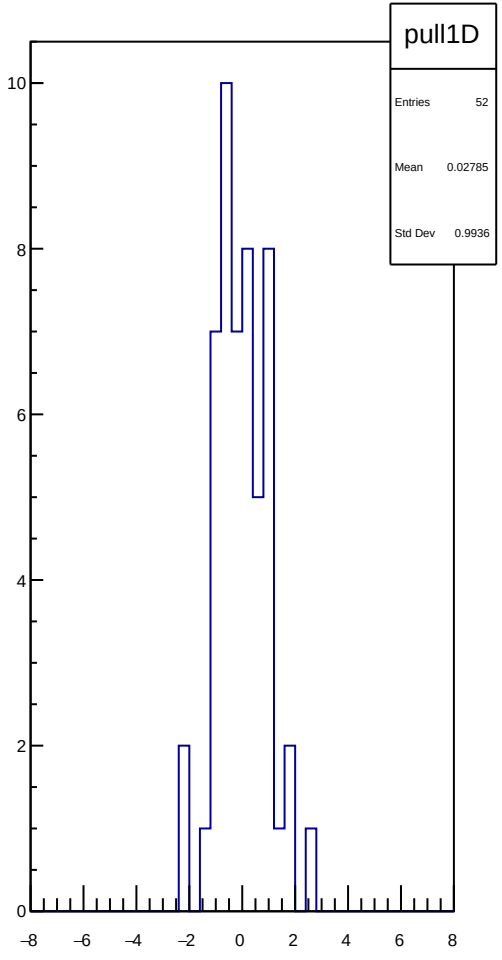
8558. 5
8558. 6

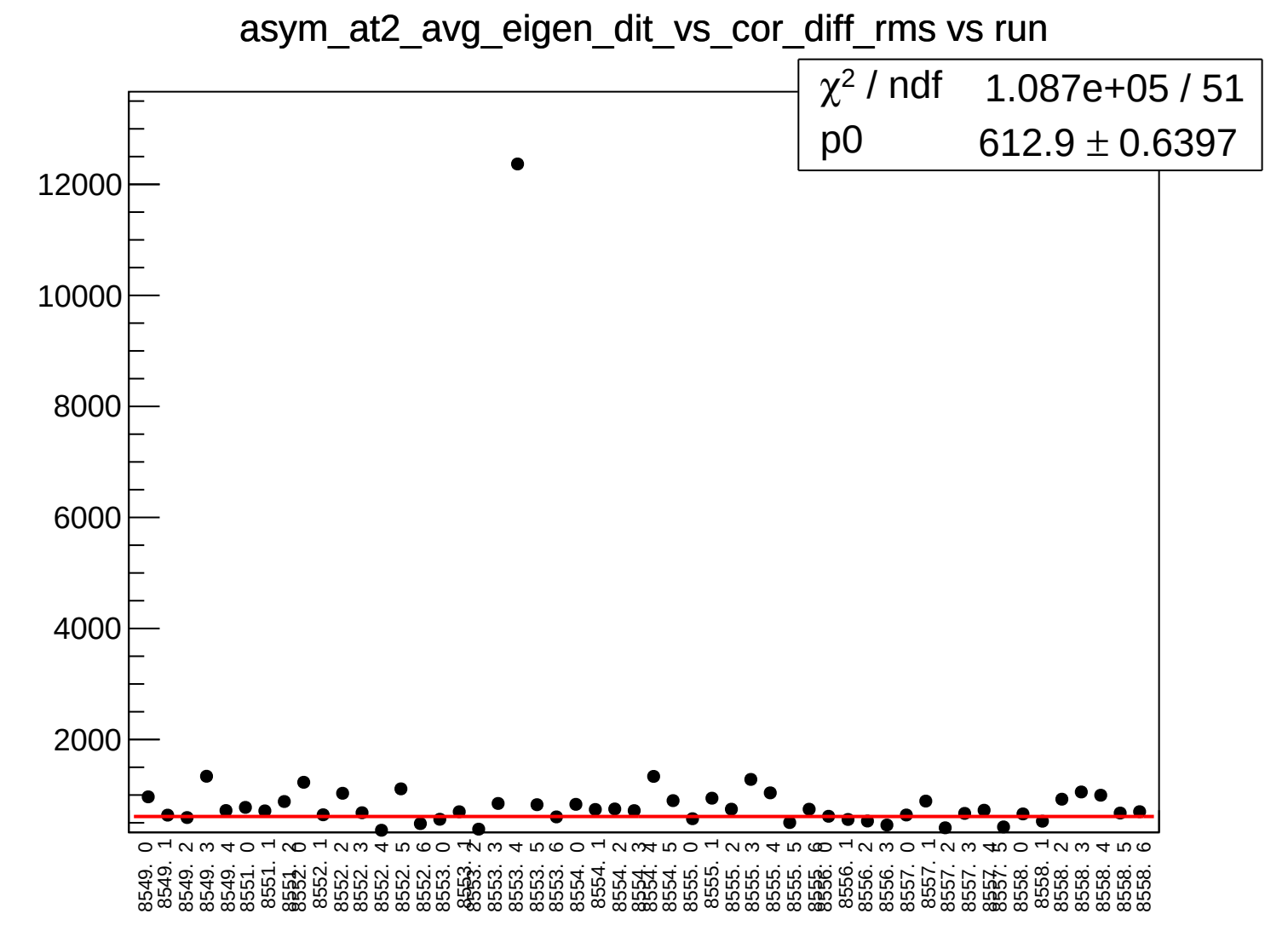

asym_at2_avg_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 61.42 / 51
p0 −5.094e−06 ± 2.933e−06
pull
Entries 52
Mean 12.41
Std Dev 0


pull1D
Entries 52
Mean −0.02689
Std Dev 1.087


asym_at2_avg_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 3024 / 51
p0 0.002098 ± 2.074e−06
0.0024
0.0023
0.0022
0.0021
0.002
0.0019
0.0018
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 5
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6


asym_at2_avg_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 51.38 / 51
p0 −2.69 ± 0.9047
pull
Entries 52
Mean 217.5
Std Dev 0


pull1D
Entries 52
Mean 0.02785
Std Dev 0.9936


asym_at2_avg_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 1.087e+05 / 51
p0 612.9 ± 0.6397
12000
10000
8000
6000
4000
2000
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
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8557. 3
8558. 0
8558. 1
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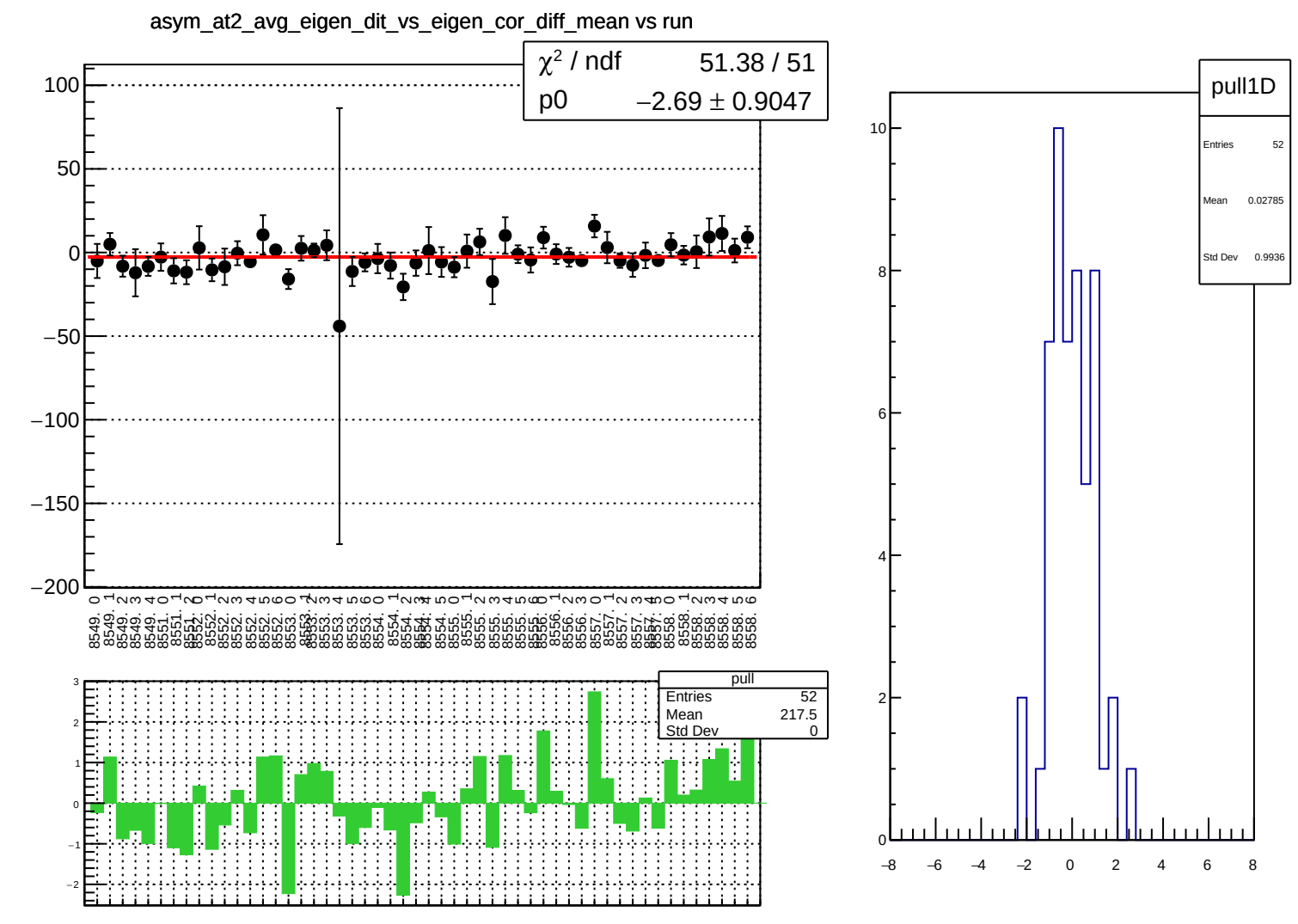
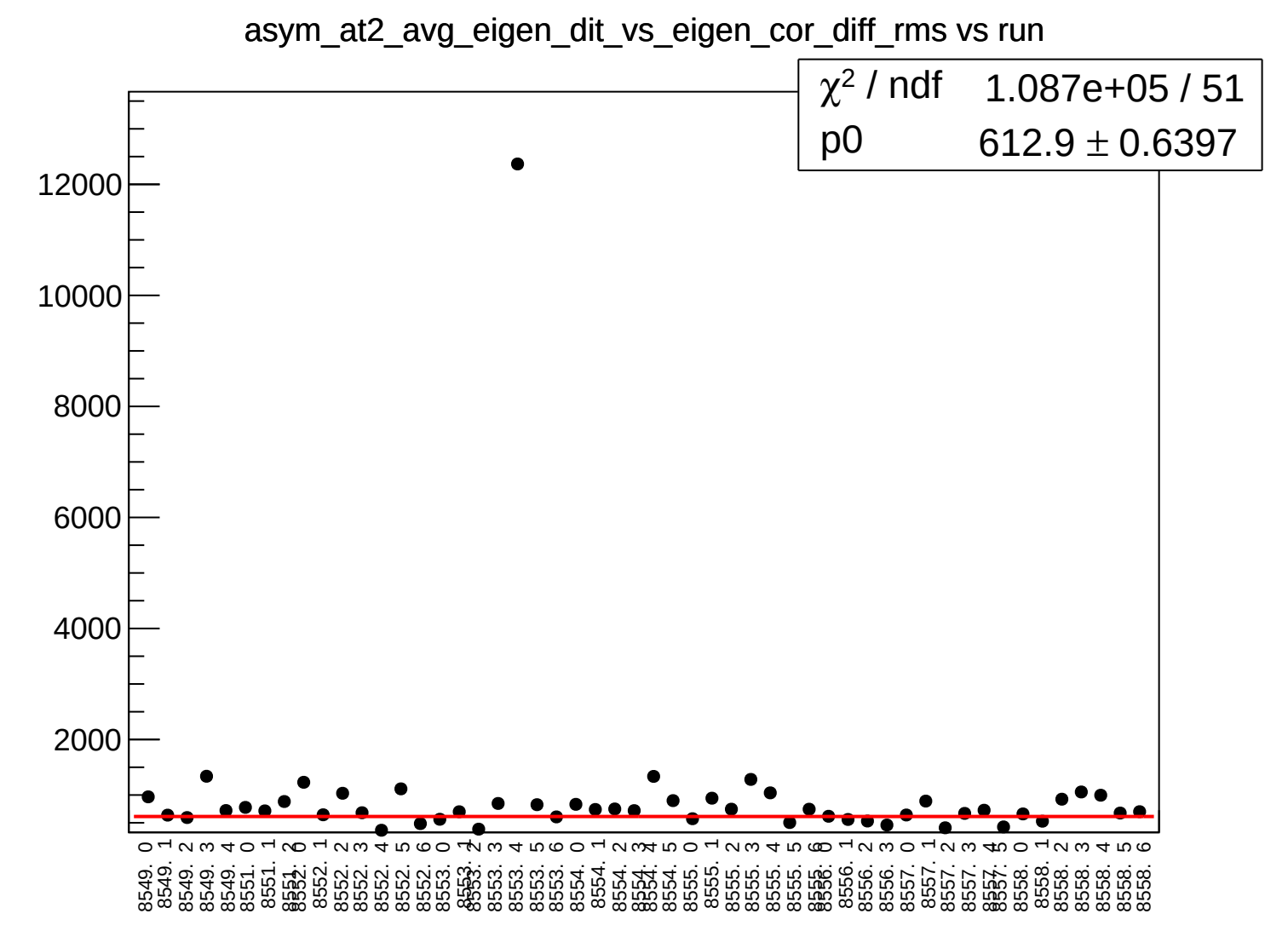
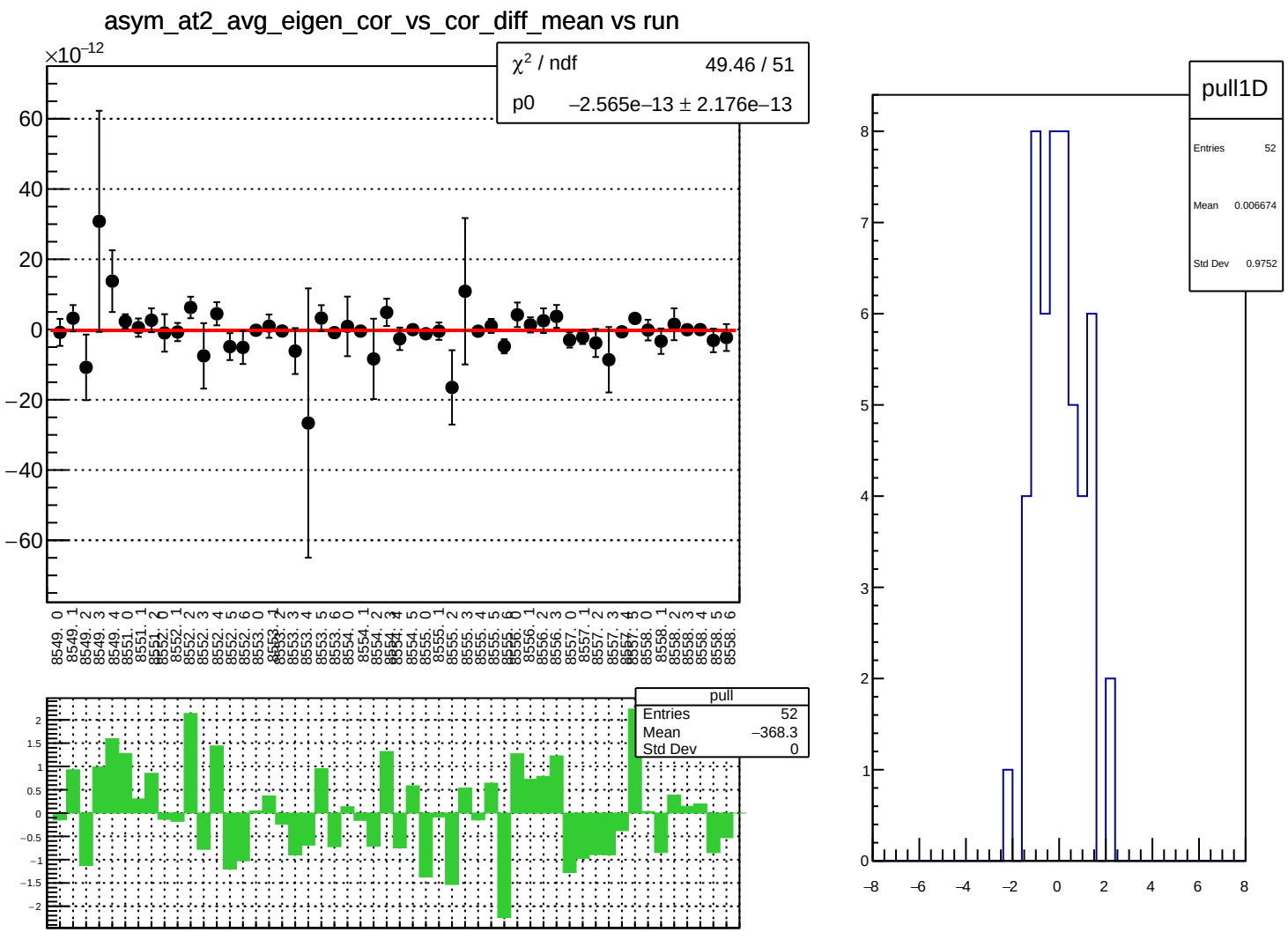
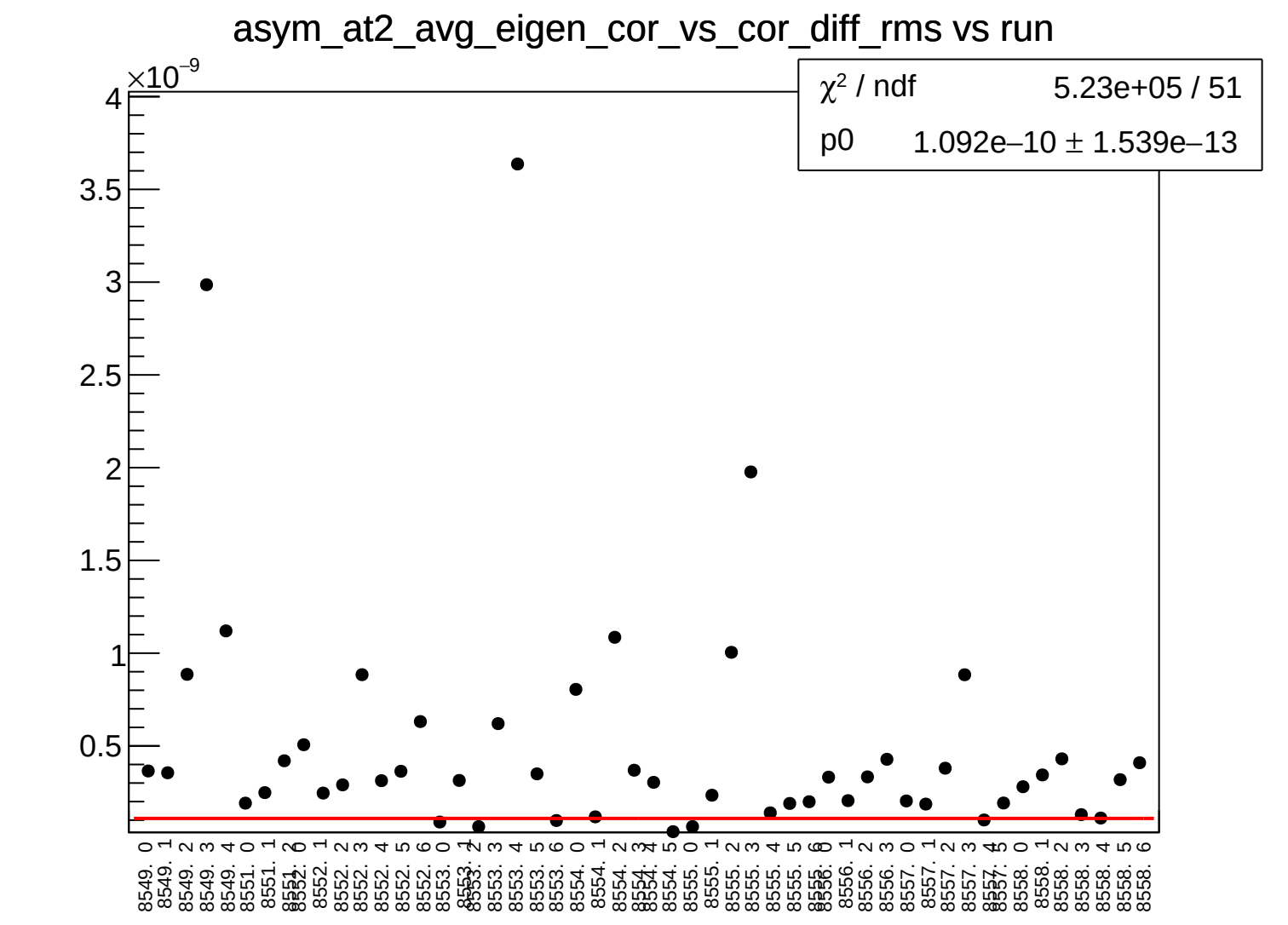
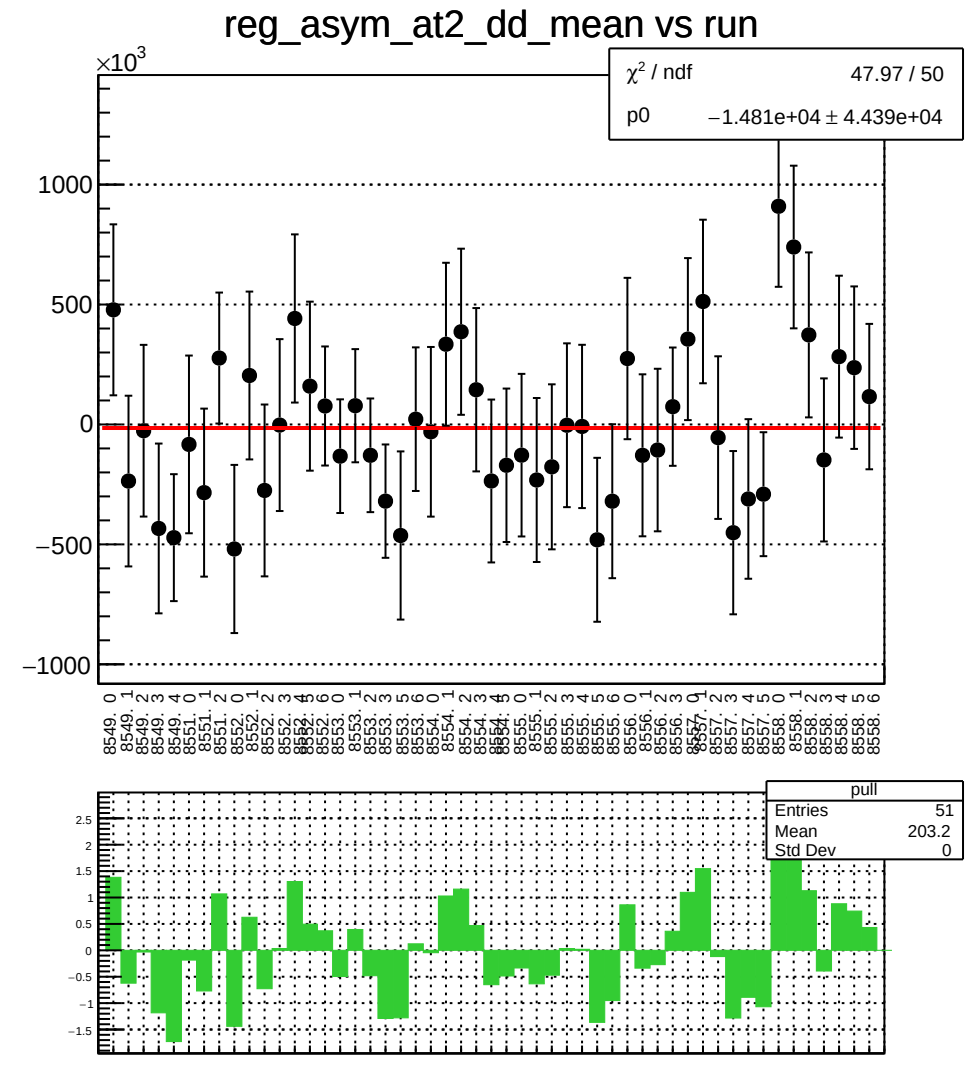
8558. 5
8558. 6

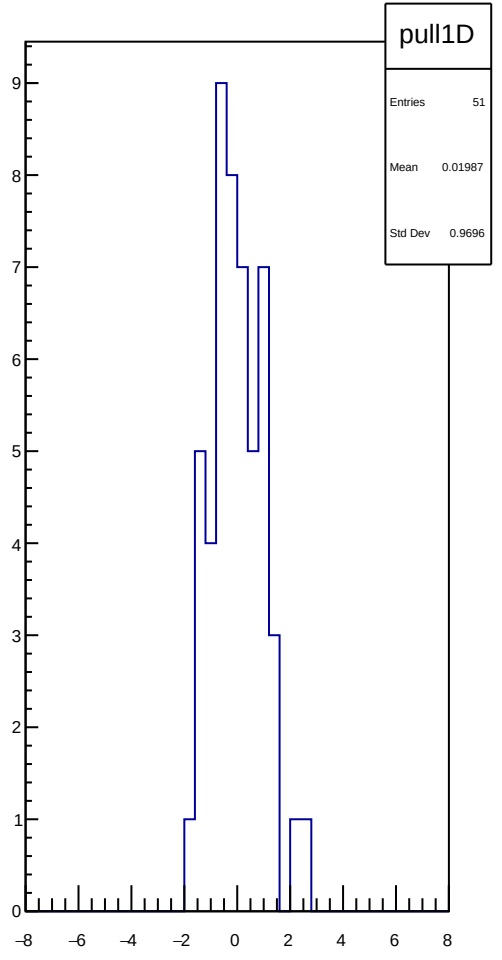

asym_at2_avg_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 51.38 / 51
p0 −2.69 ± 0.9047
pull
Entries 52
Mean 217.5
Std Dev 0
pull1D
Entries 52
Mean 0.02785
Std Dev 0.9936

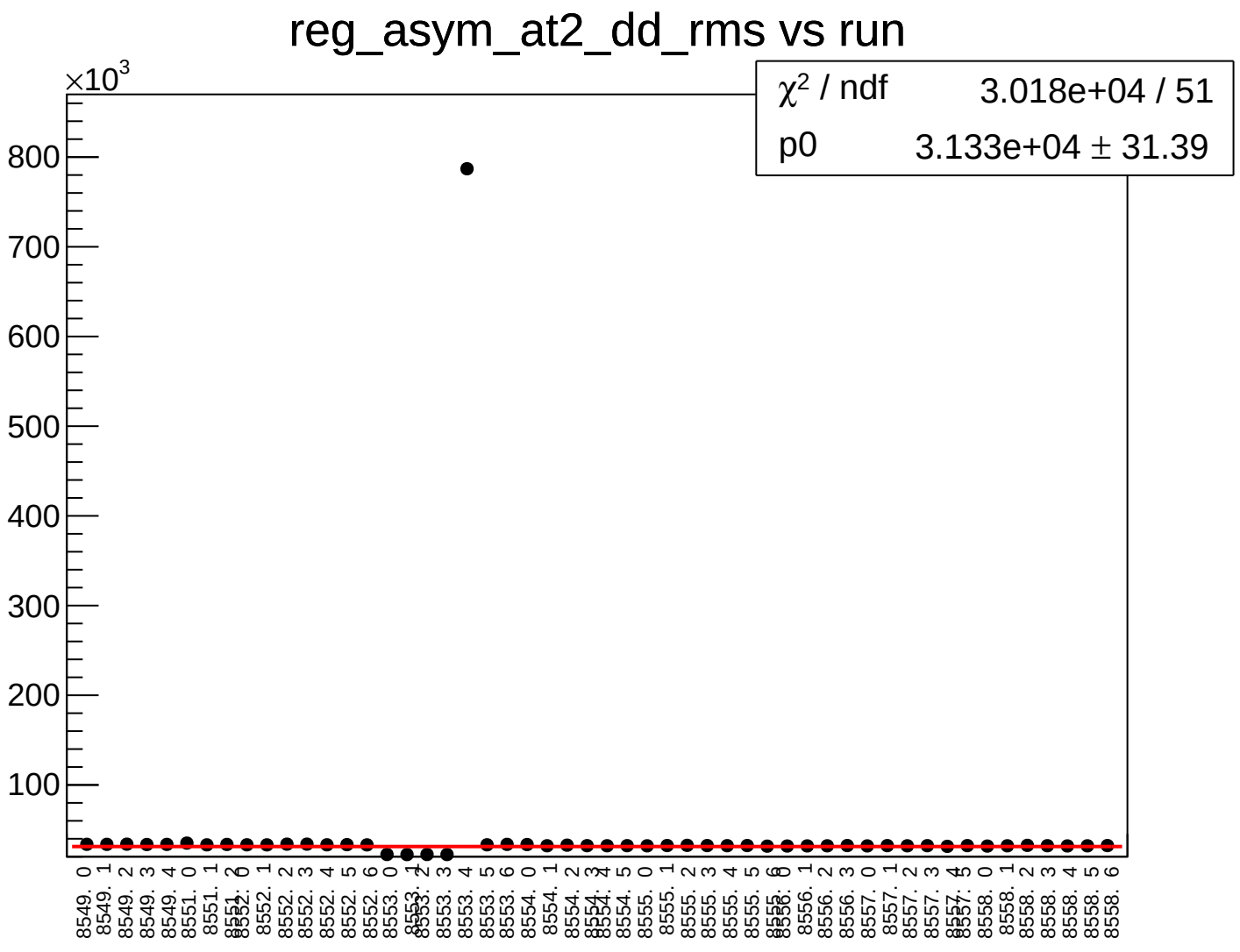

asym_at2_avg_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.087e+05 / 51
p0 612.9 ± 0.6397
12000
10000
8000
6000
4000
2000
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

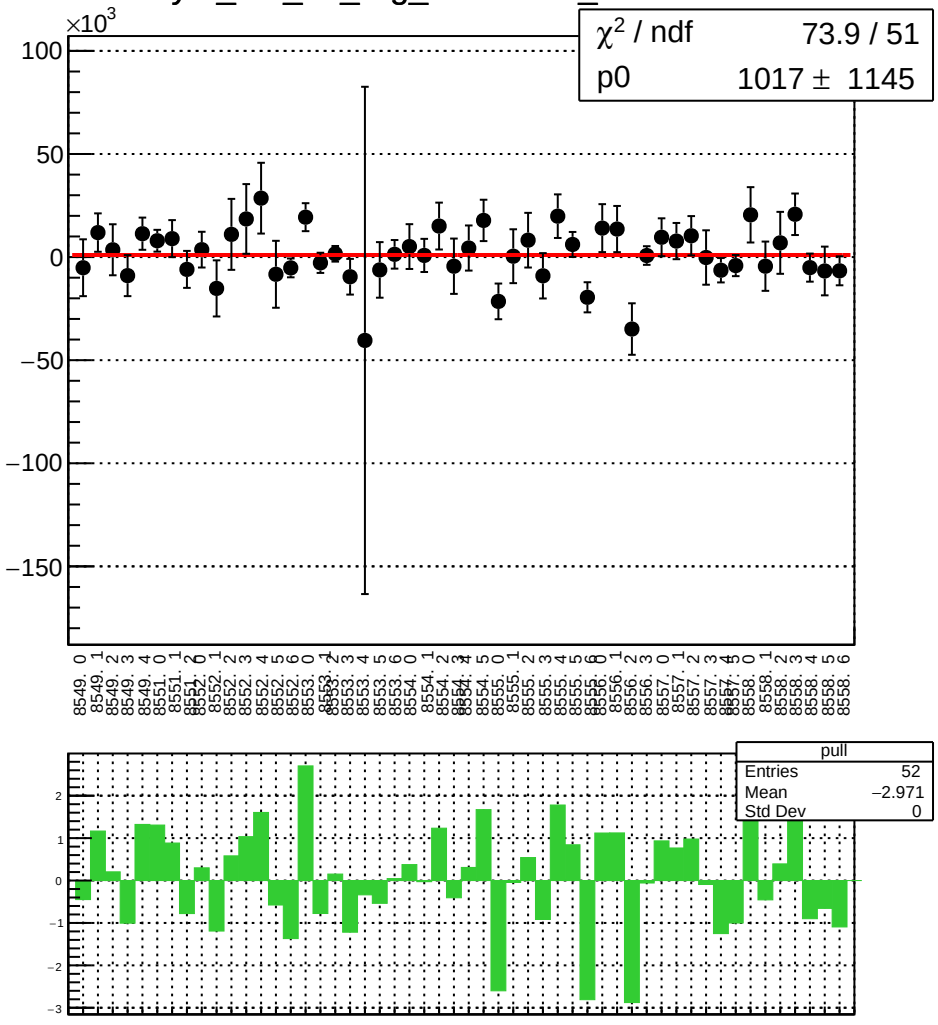

asym_at2_avg_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 49.46 / 51
p0 −2.565e−13 ± 2.176e−13
pull
Entries 52
Mean −368.3
Std Dev 0
pull1D
Entries 52
Mean 0.006674
Std Dev 0.9752

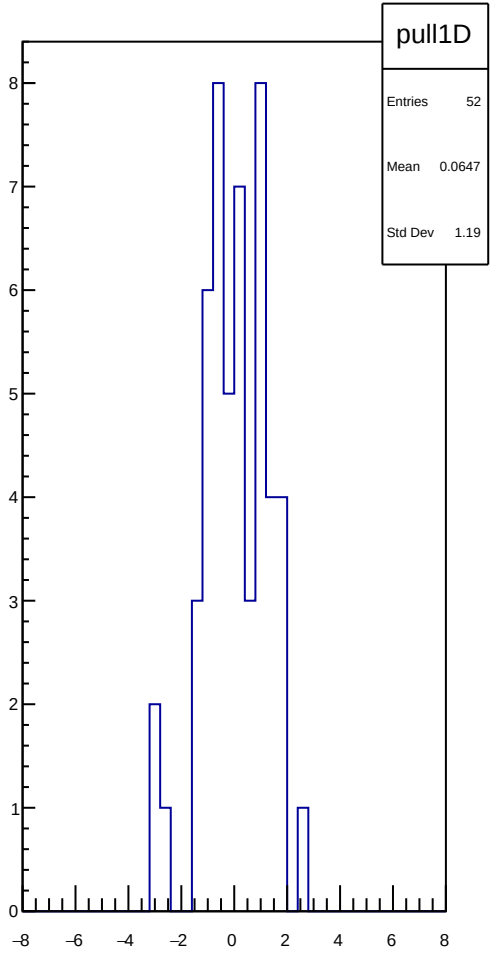

asym_at2_avg_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 5.23e+05 / 51
p0 1.092e−10 ± 1.539e−13
4
3.5
3
2.5
2
1.5
1
0.5
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

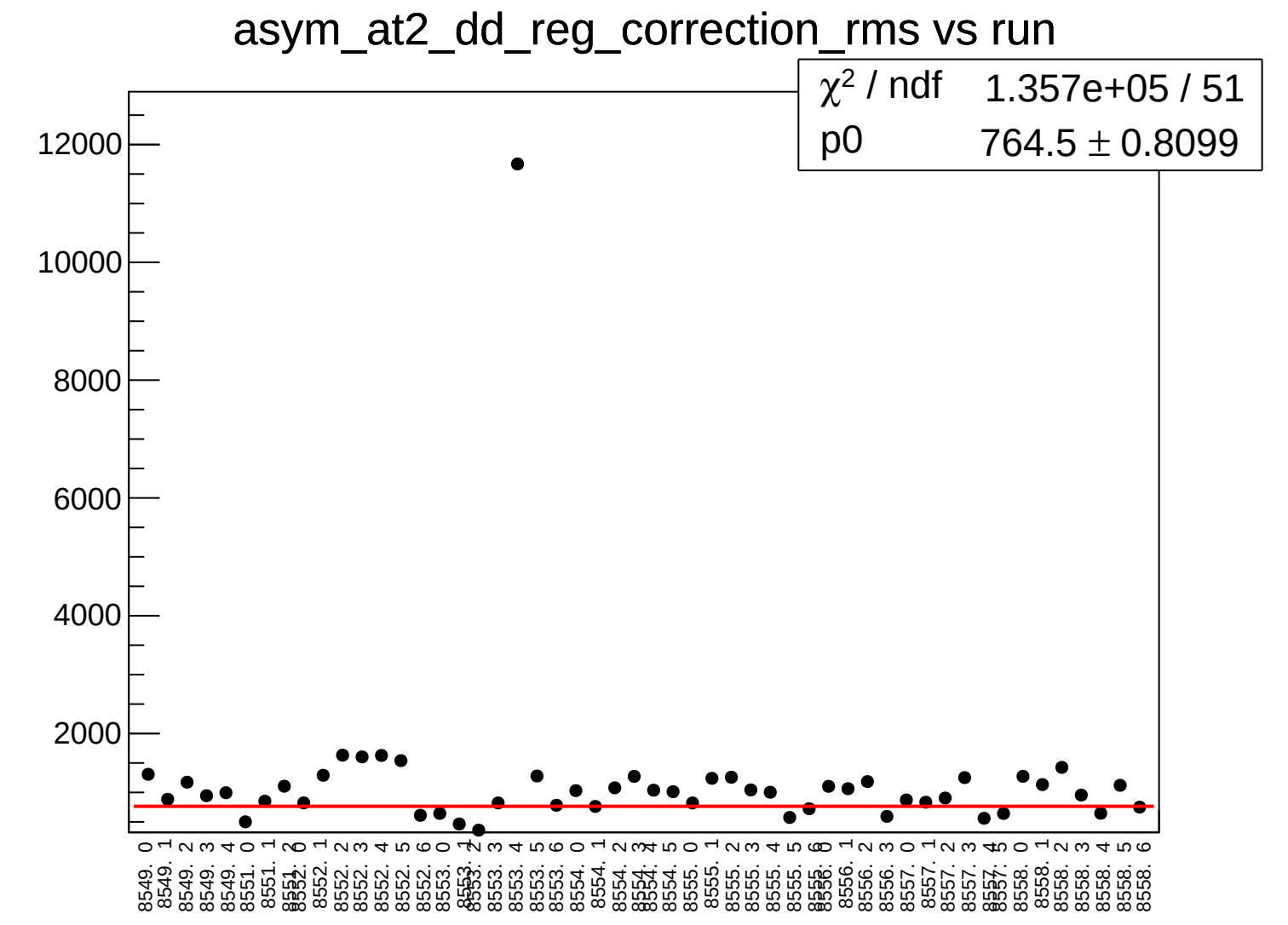

reg_asym_at2_dd_mean vs run
×10^3
χ² / ndf 47.97 / 50
p0 −1.481e+04 ± 4.439e+04
1000
500
0
−500
−1000
pull
Entries 51
Mean 203.2
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5

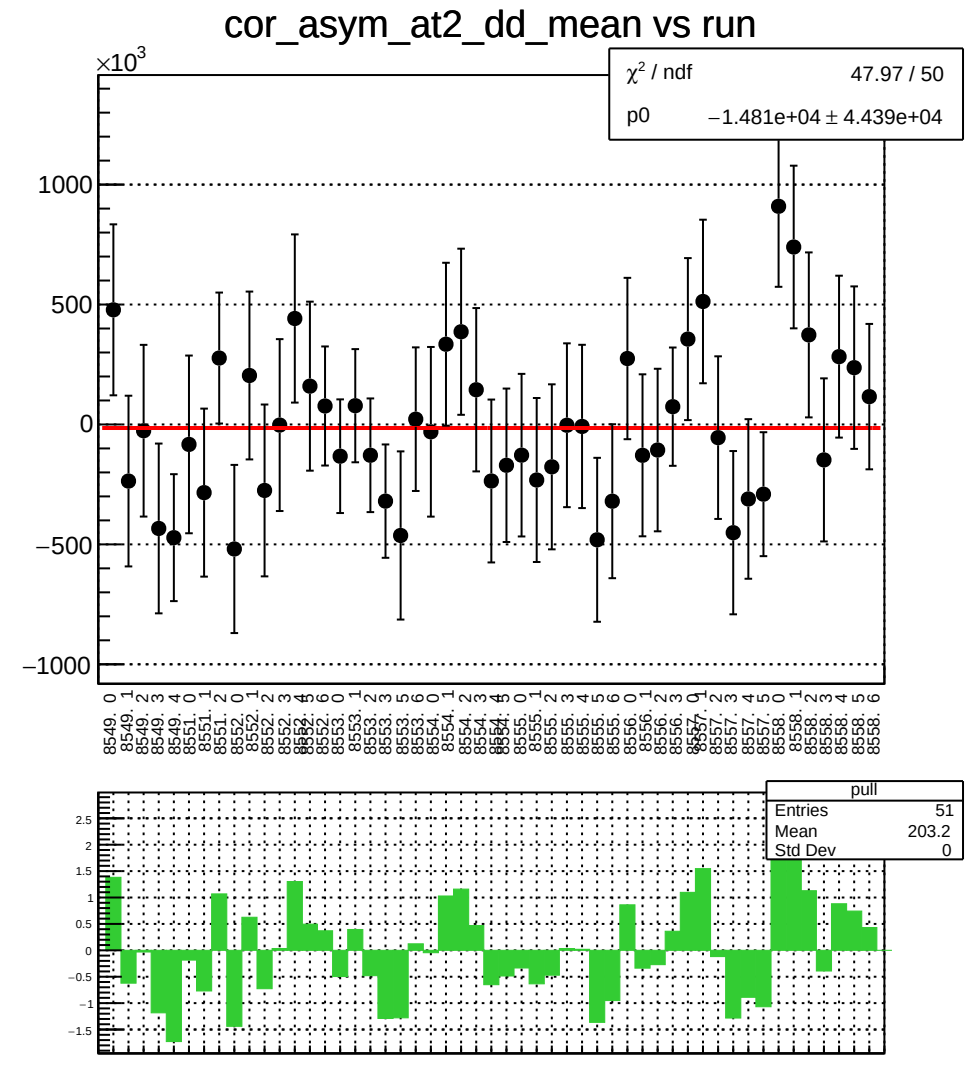

pull1D
Entries 51
Mean 0.01987
Std Dev 0.9696
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

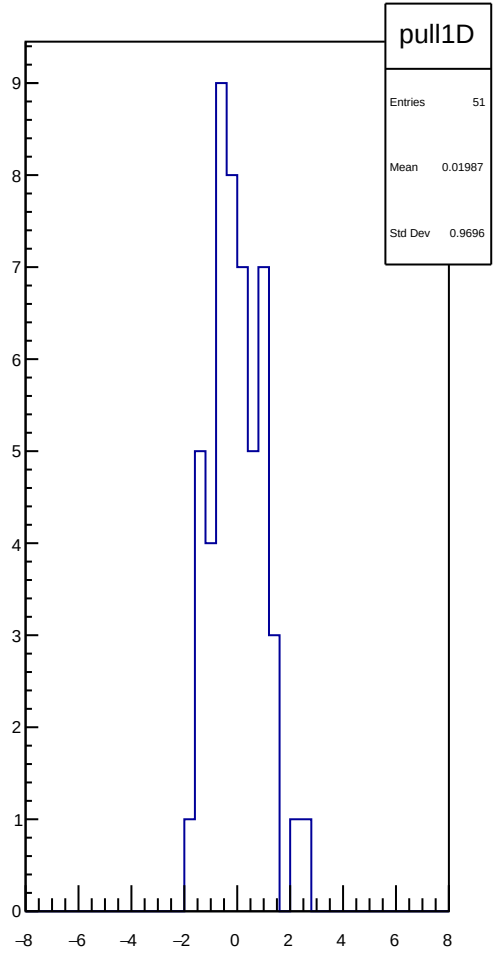

reg_asym_at2_dd_rms vs run
χ² / ndf 3.018e+04 / 51
p0 3.133e+04 ± 31.39
×10³
800
700
600
500
400
300
200
100
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 0
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 1
8553. 2
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 3
8554. 4
8554. 5
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8555. 6
8556. 0
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8557. 4
8557. 5
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

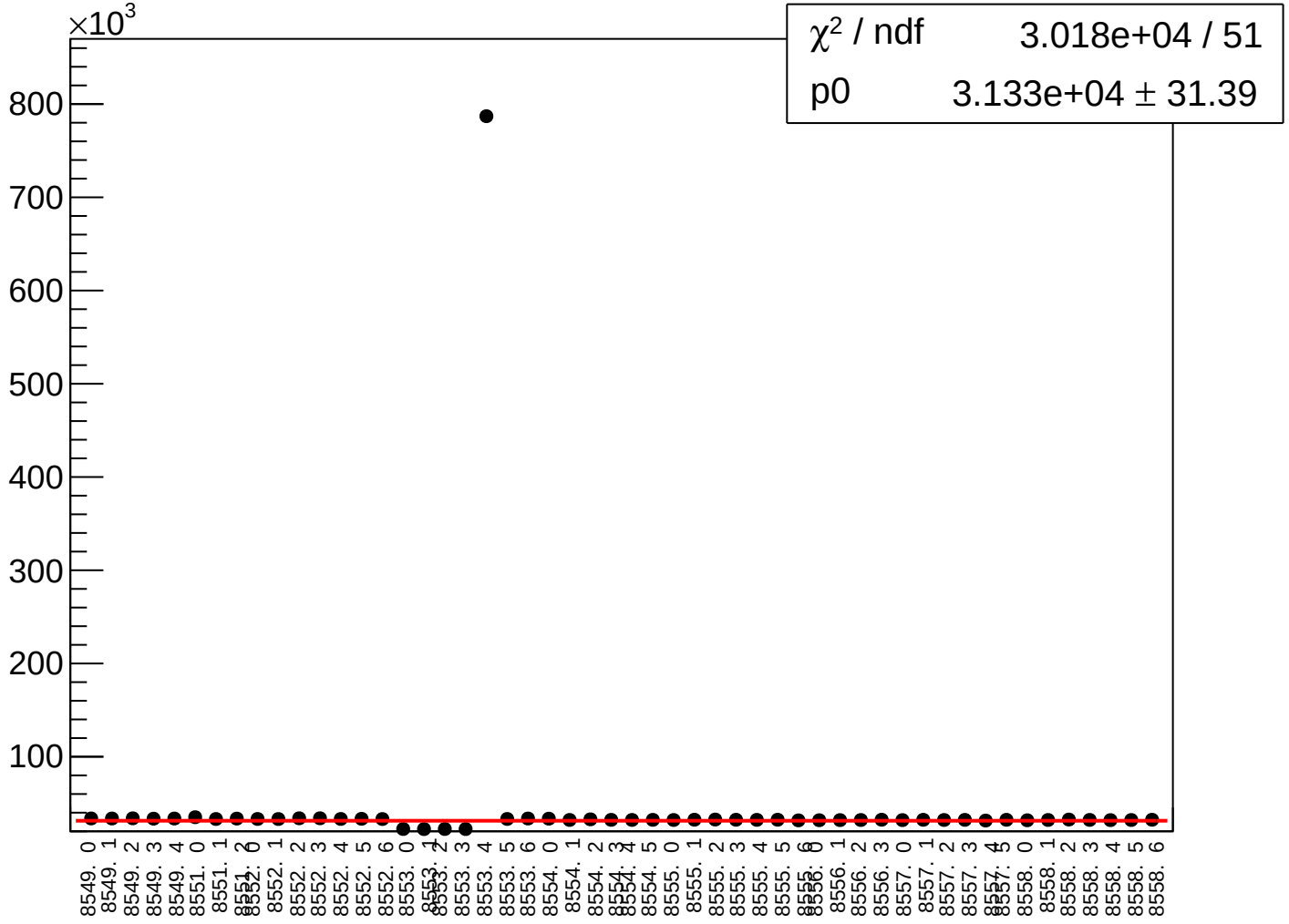

asym_at2_dd_reg_correction_mean vs run
χ² / ndf 73.9 / 51
p0 1017 ± 1145
×10³
pull
Entries 52
Mean −2.971
Std Dev 0

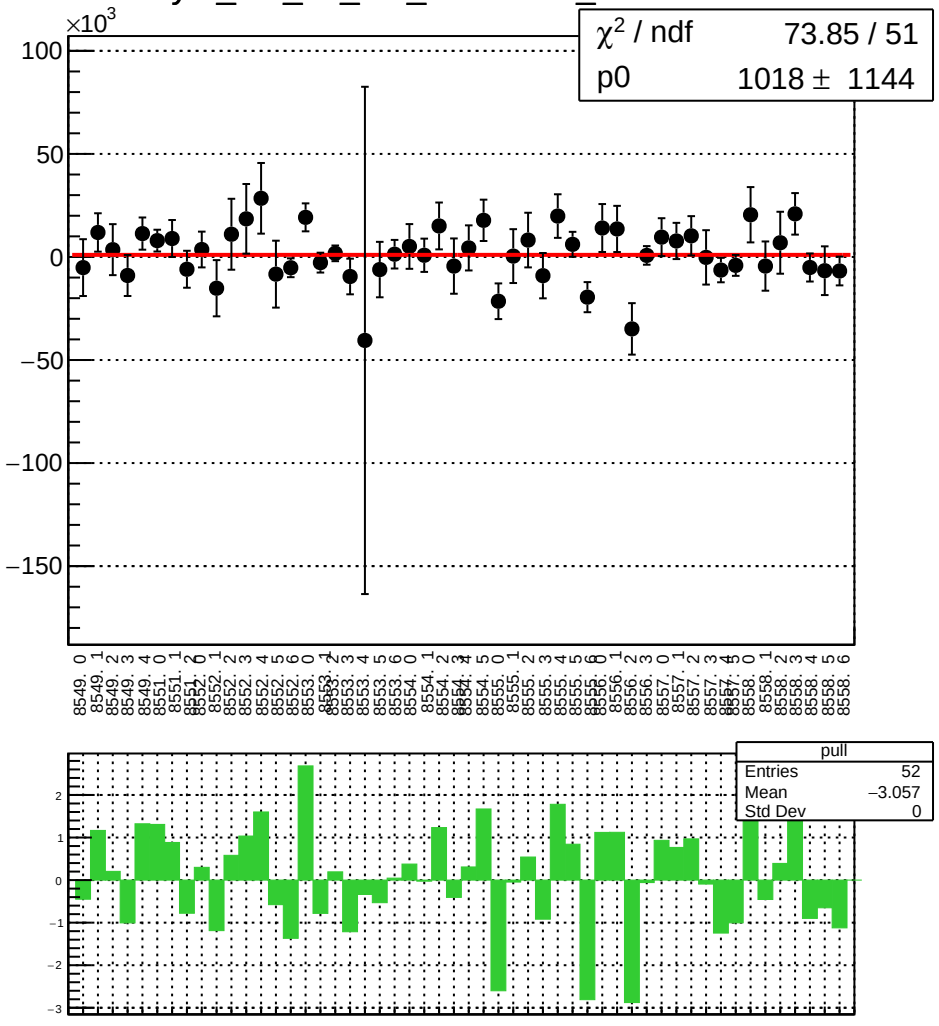

pull1D
Entries 52
Mean 0.0647
Std Dev 1.19

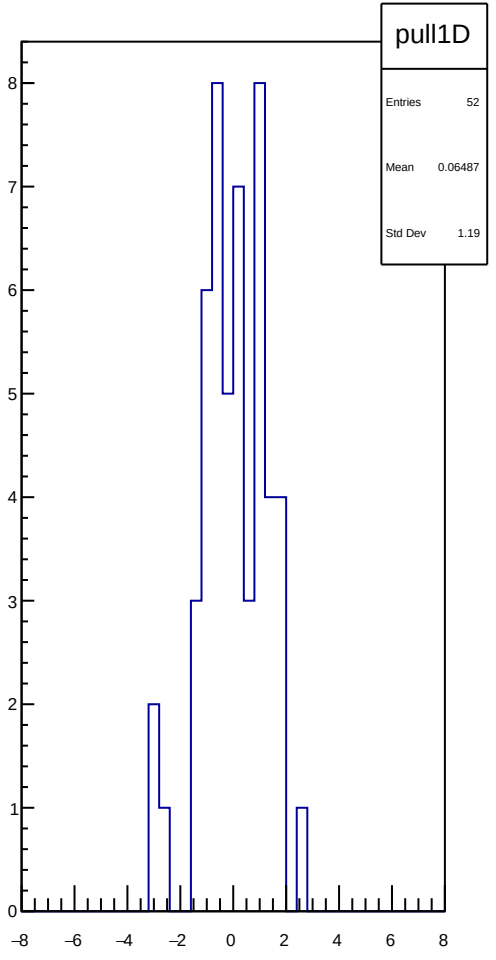

asym_at2_dd_reg_correction_rms vs run
χ² / ndf 1.357e+05 / 51
p0 764.5 ± 0.8099
12000
10000
8000
6000
4000
2000
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 0
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 5
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

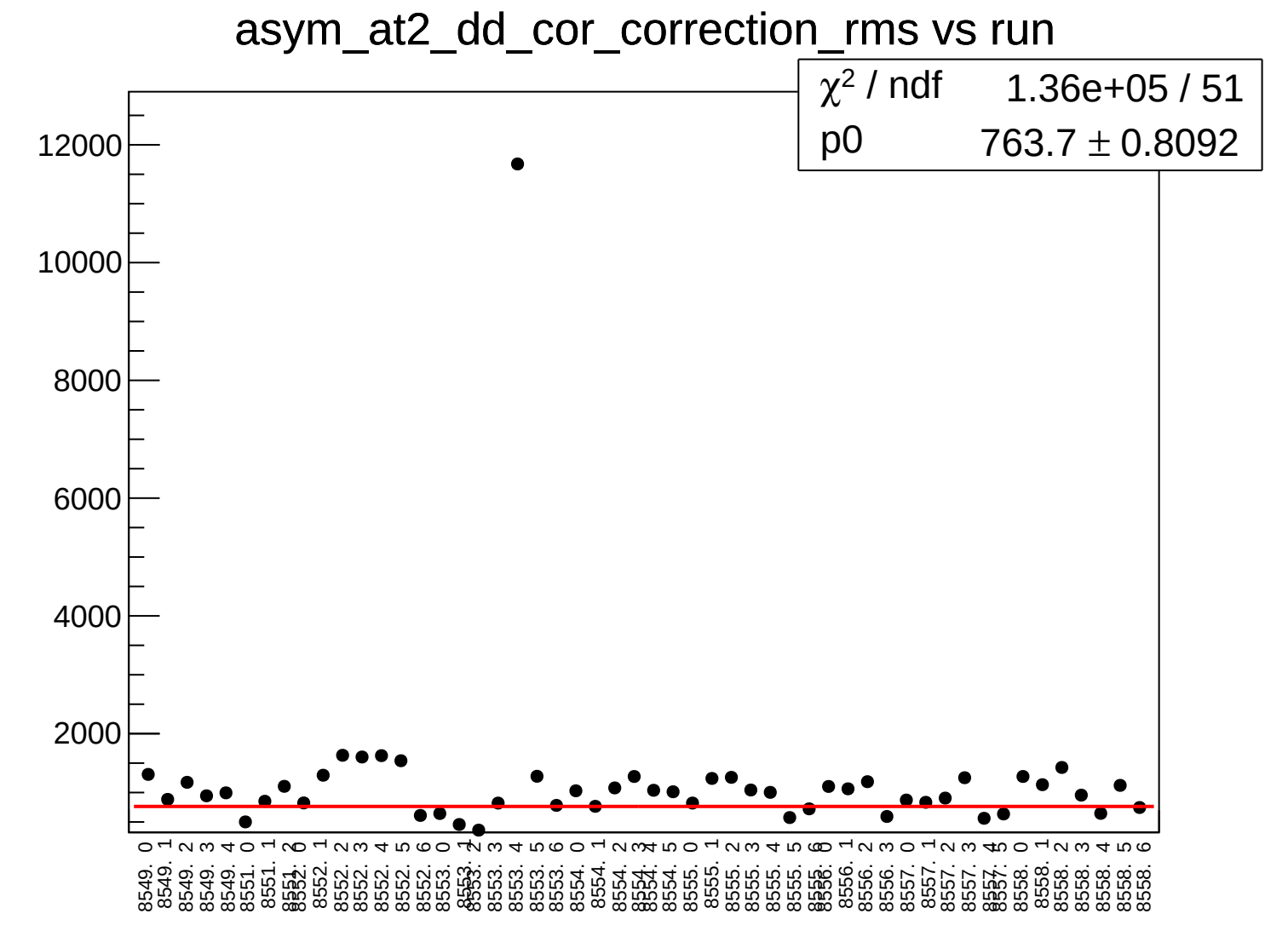

cor_asym_at2_dd_mean vs run
×10^3
χ² / ndf 47.97 / 50
p0 −1.481e+04 ± 4.439e+04
1000
500
0
−500
−1000
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8551. 2
8552. 0
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 1
8553. 2
8553. 3
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 3
8554. 4
8554. 5
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8555. 6
8556. 0
8556. 1
8556. 2
8556. 3
8556. 4
8557. 0
8557. 1
8557. 2
8557. 3
8557. 4
8557. 5
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6
pull
Entries 51
Mean 203.2
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5


pull1D
Entries 51
Mean 0.01987
Std Dev 0.9696
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


cor_asym_at2_dd_rms vs run
×10^3
800
700
600
500
400
300
200
100
χ² / ndf 3.018e+04 / 51
p0 3.133e+04 ± 31.39
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 5
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6


asym_at2_dd_cor_correction_mean vs run
×10^3
χ² / ndf 73.85 / 51
p0 1018 ± 1144
pull
Entries 52
Mean −3.057
Std Dev 0


pull1D
Entries 52
Mean 0.06487
Std Dev 1.19


asym_at2_dd_cor_correction_rms vs run
χ² / ndf 1.36e+05 / 51
p0 763.7 ± 0.8092
12000
10000
8000
6000
4000
2000
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 0
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
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8554. 2
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8556. 1
8556. 2
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8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
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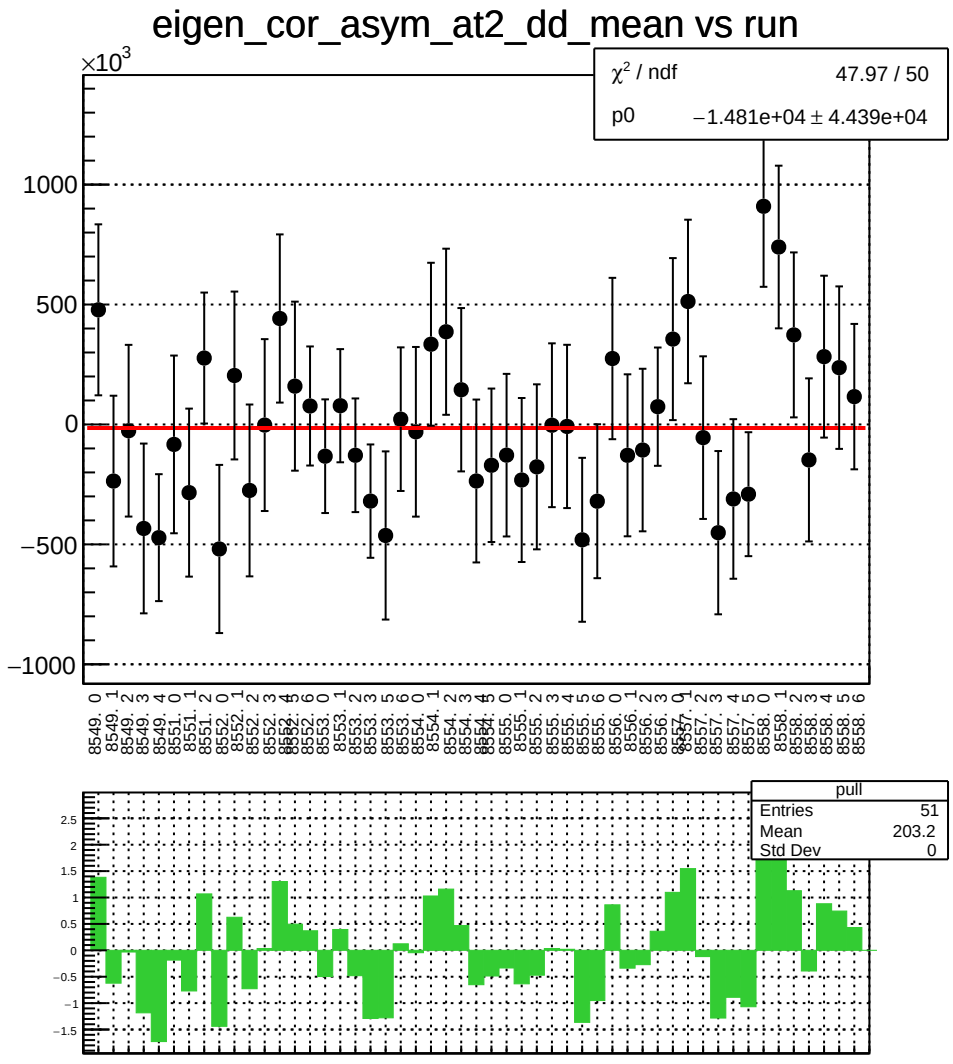
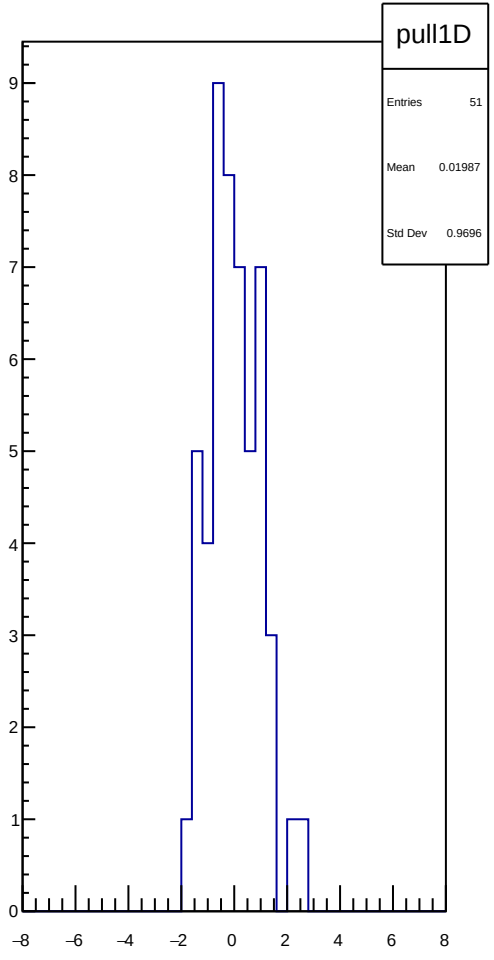
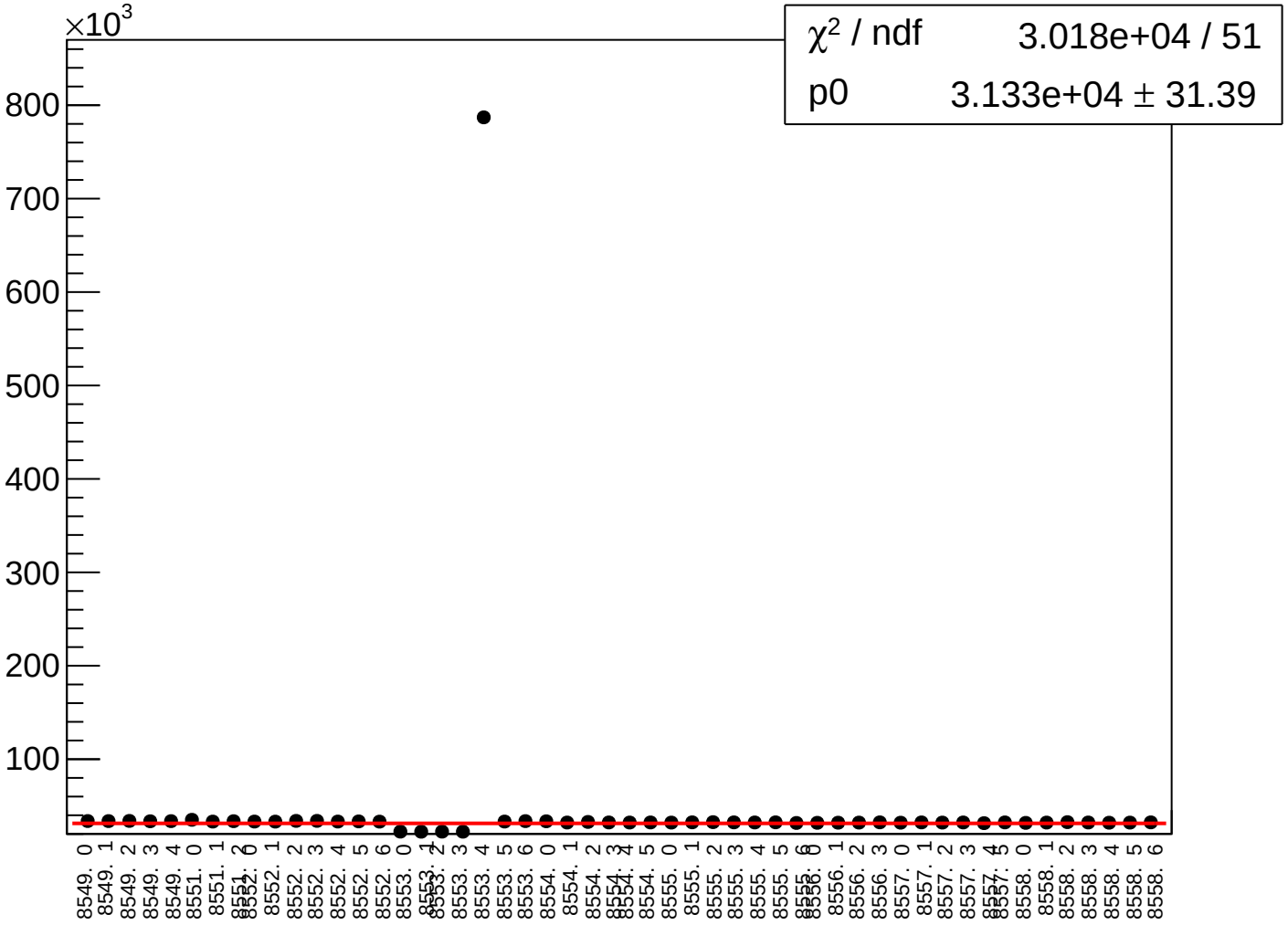
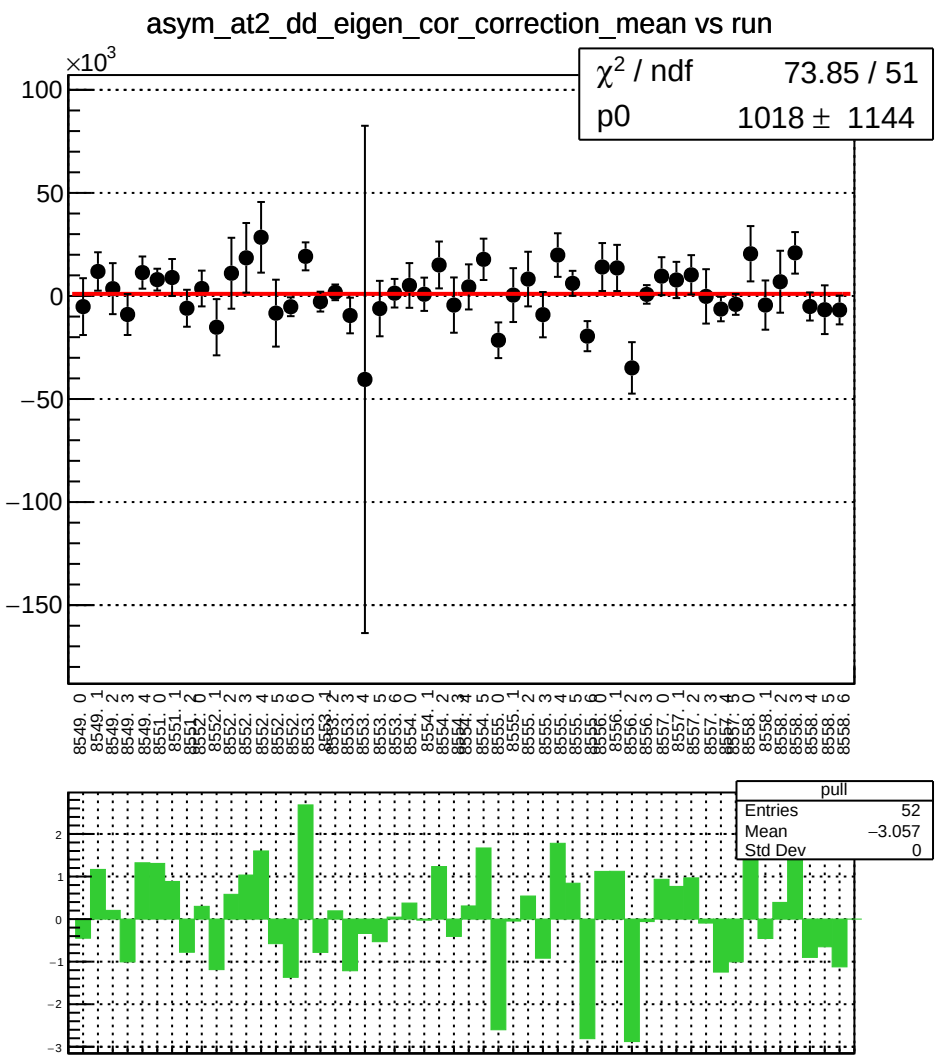
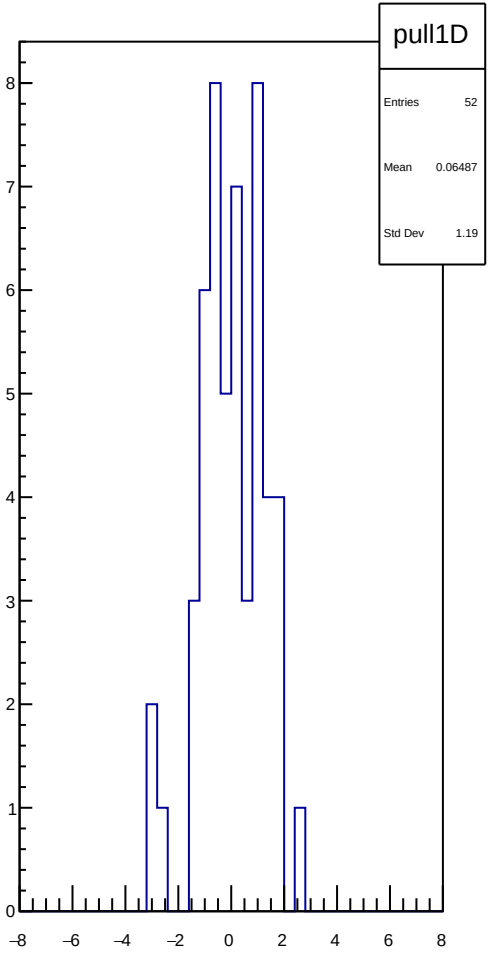
8558. 4
8558. 5
8558. 6

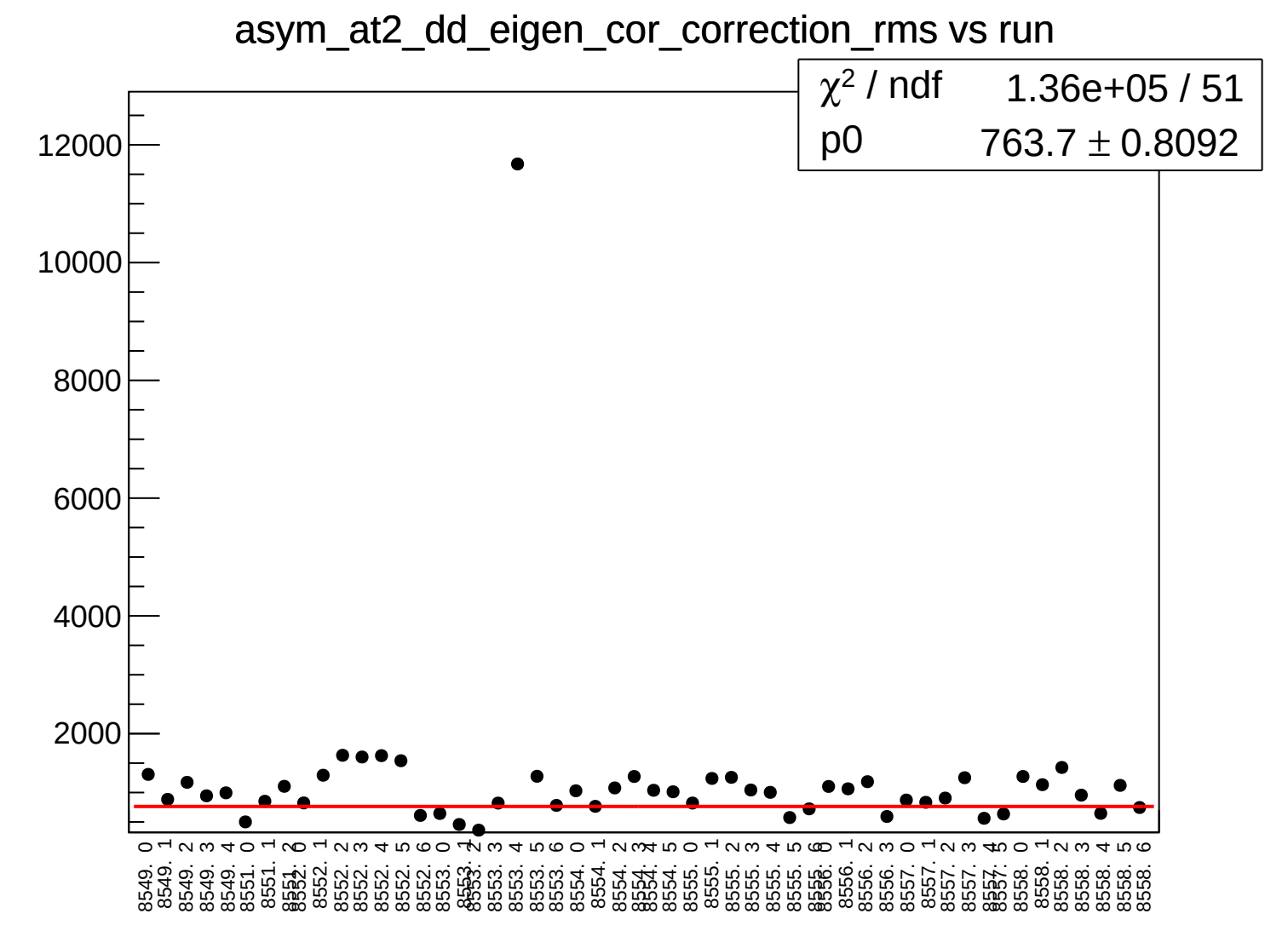

eigen_cor_asym_at2_dd_mean vs run
×10^3
χ² / ndf 47.97 / 50
p0 −1.481e+04 ± 4.439e+04
1000
500
0
−500
−1000
pull
Entries 51
Mean 203.2
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5

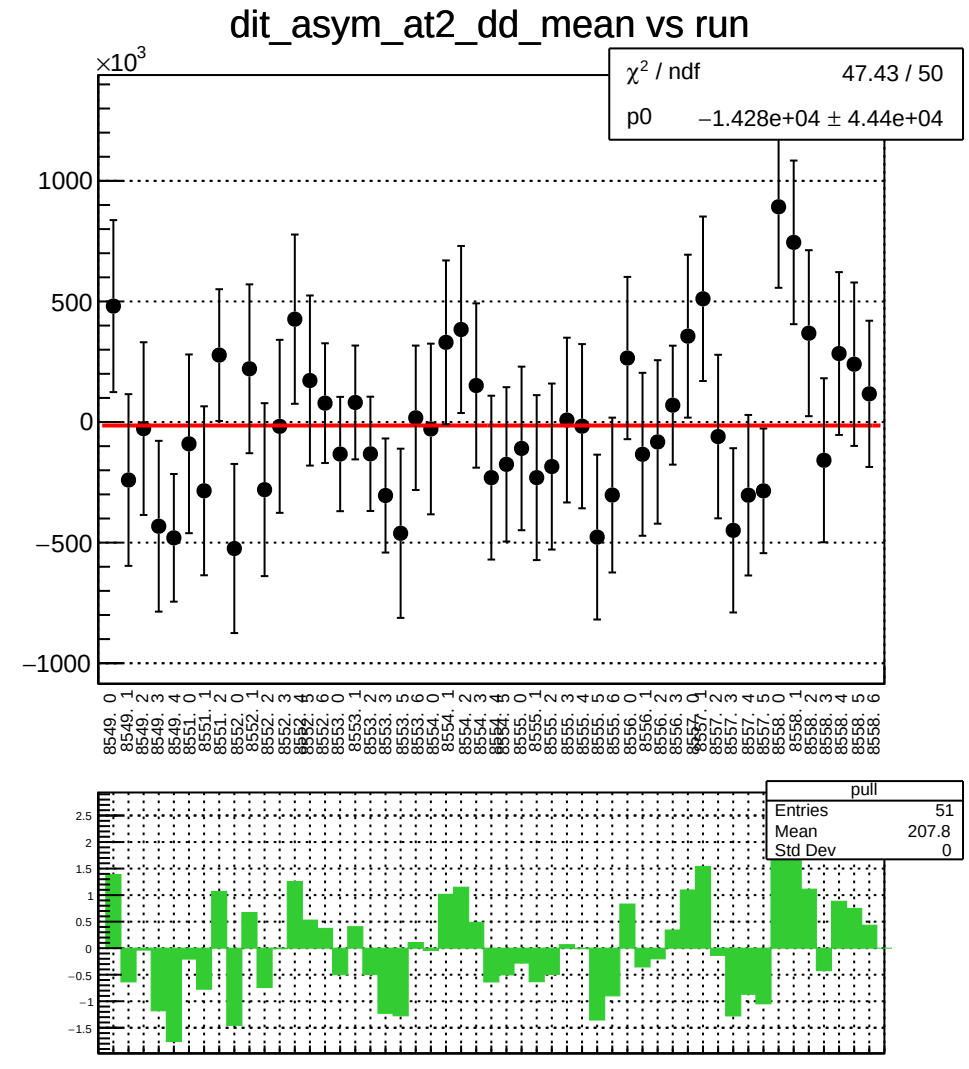

pull1D
Entries 51
Mean 0.01987
Std Dev 0.9696
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

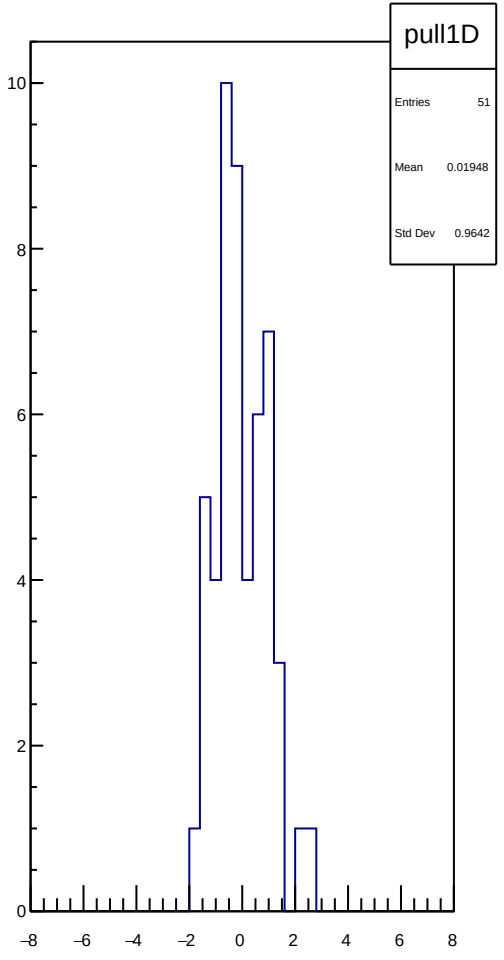

eigen_cor_asym_at2_dd_rms vs run
×10^3
800
700
600
500
400
300
200
100
χ² / ndf 3.018e+04 / 51
p0 3.133e+04 ± 31.39
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 5
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

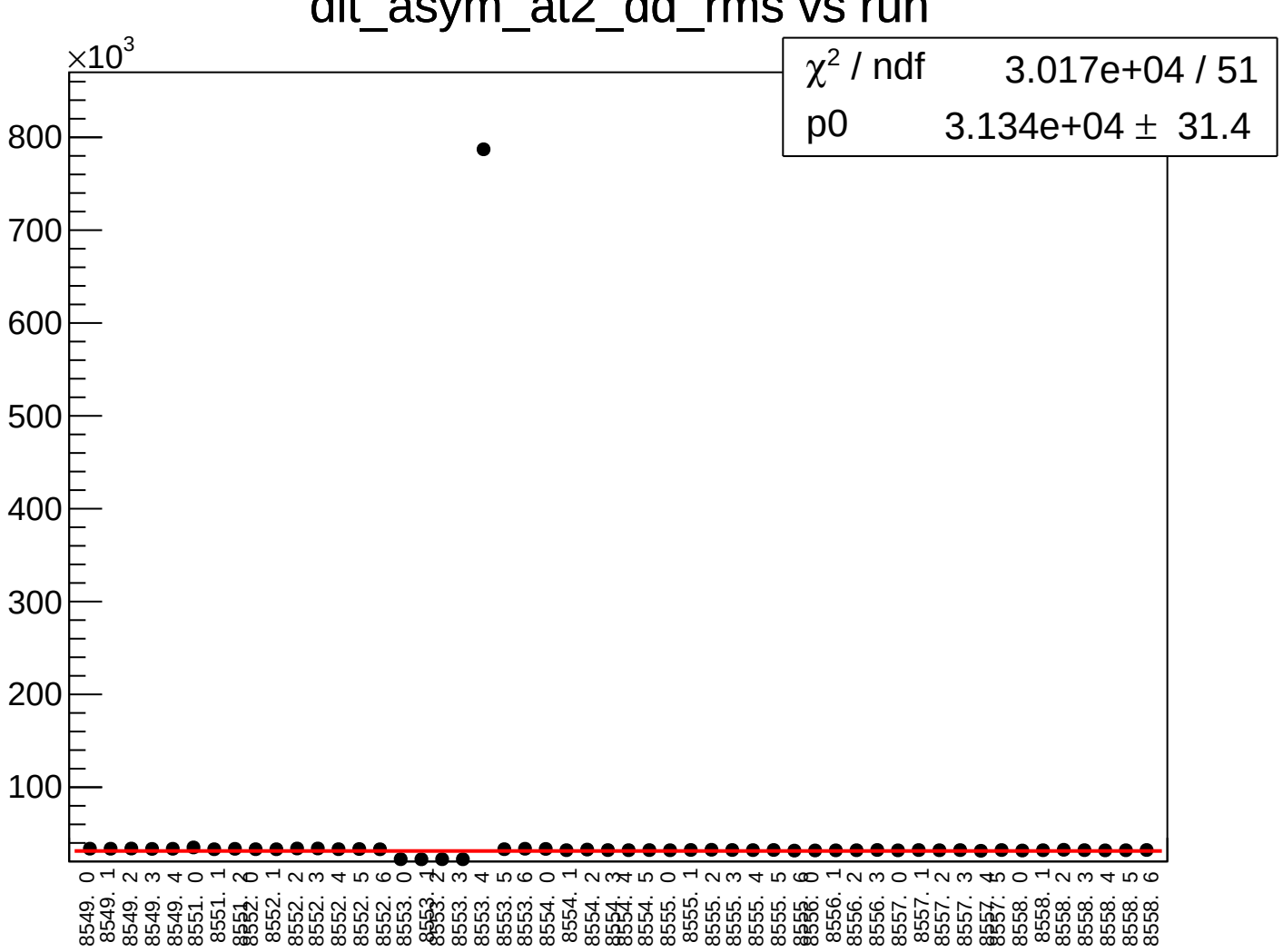

asym_at2_dd_eigen_cor_correction_mean vs run
×10^3
χ² / ndf 73.85 / 51
p0 1018 ± 1144
pull
Entries 52
Mean −3.057
Std Dev 0

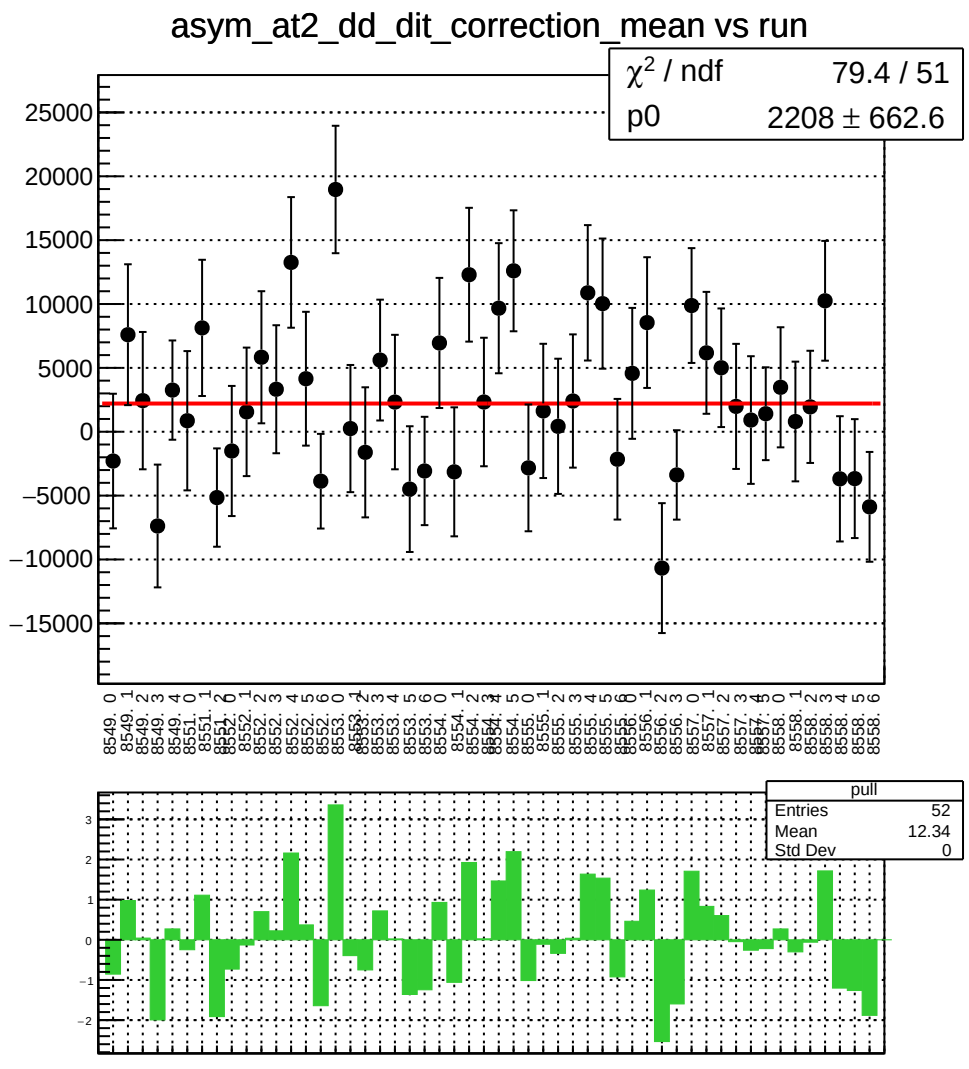

pull1D
Entries 52
Mean 0.06487
Std Dev 1.19

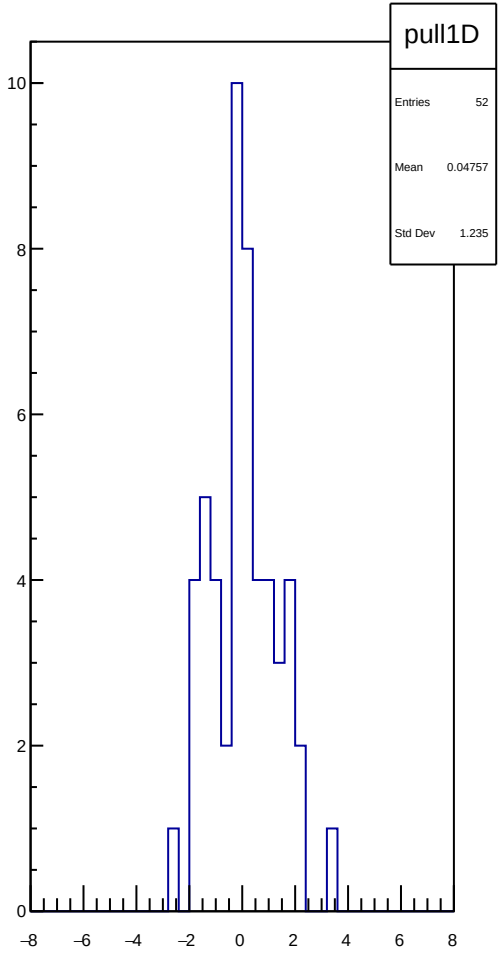

asym_at2_dd_eigen_cor_correction_rms vs run
χ² / ndf 1.36e+05 / 51
p0 763.7 ± 0.8092
12000
10000
8000
6000
4000
2000
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 0
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 5
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

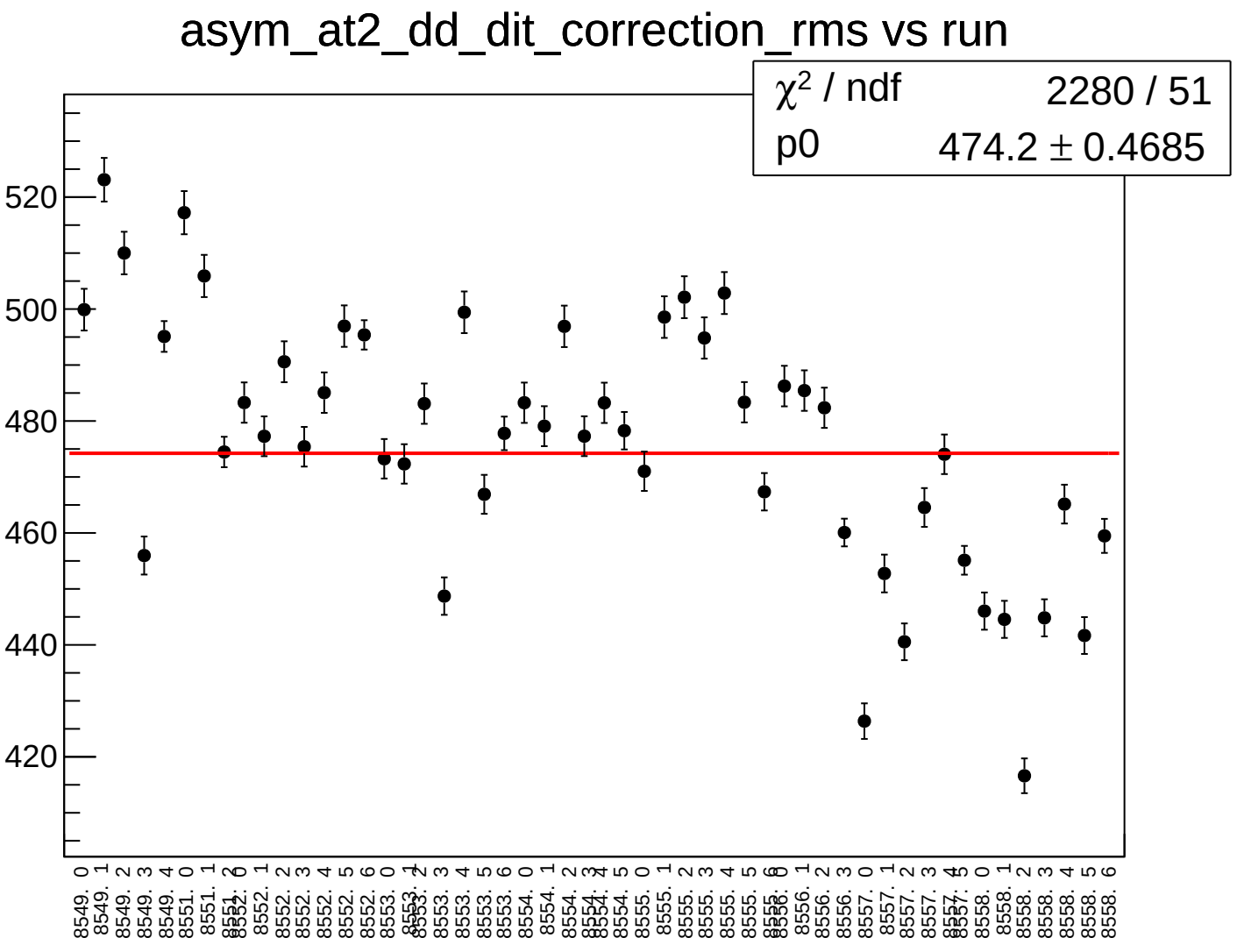

dit_asym_at2_dd_mean vs run
×10^3
χ² / ndf 47.43 / 50
p0 −1.428e+04 ± 4.44e+04
1000
500
0
−500
−1000
pull
Entries 51
Mean 207.8
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5

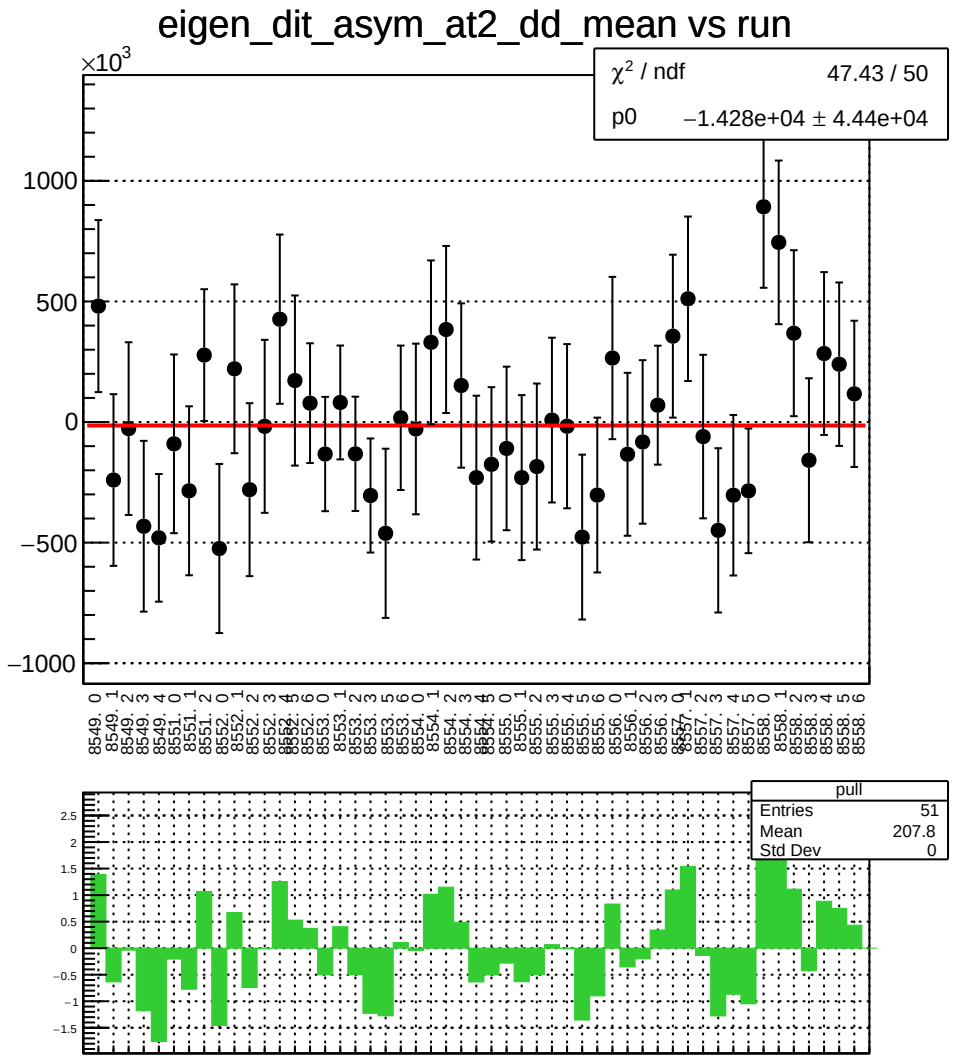

pull1D
Entries 51
Mean 0.01948
Std Dev 0.9642
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

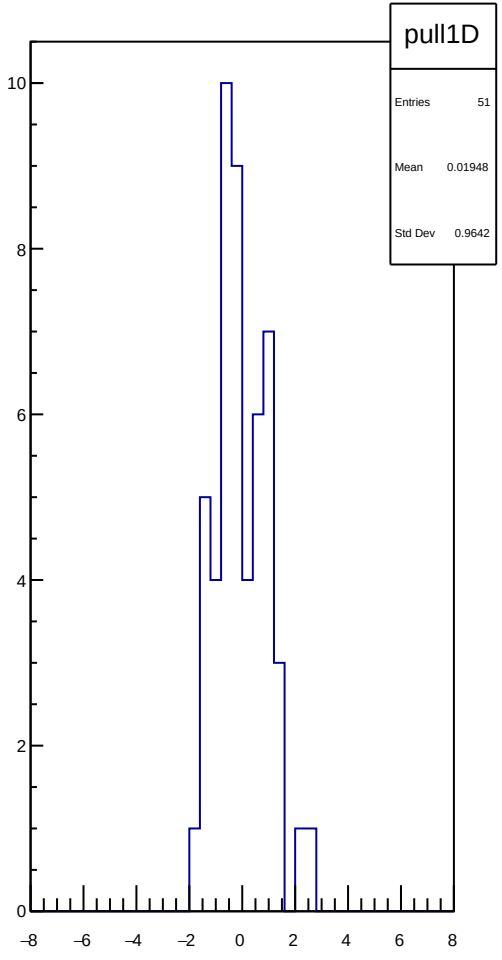

dit_asym_at2_dd_rms vs run
×10^3
800
700
600
500
400
300
200
100
χ² / ndf 3.017e+04 / 51
p0 3.134e+04 ± 31.4
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 0
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 1
8553. 2
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 3
8554. 4
8554. 5
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8557. 4
8557. 5
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

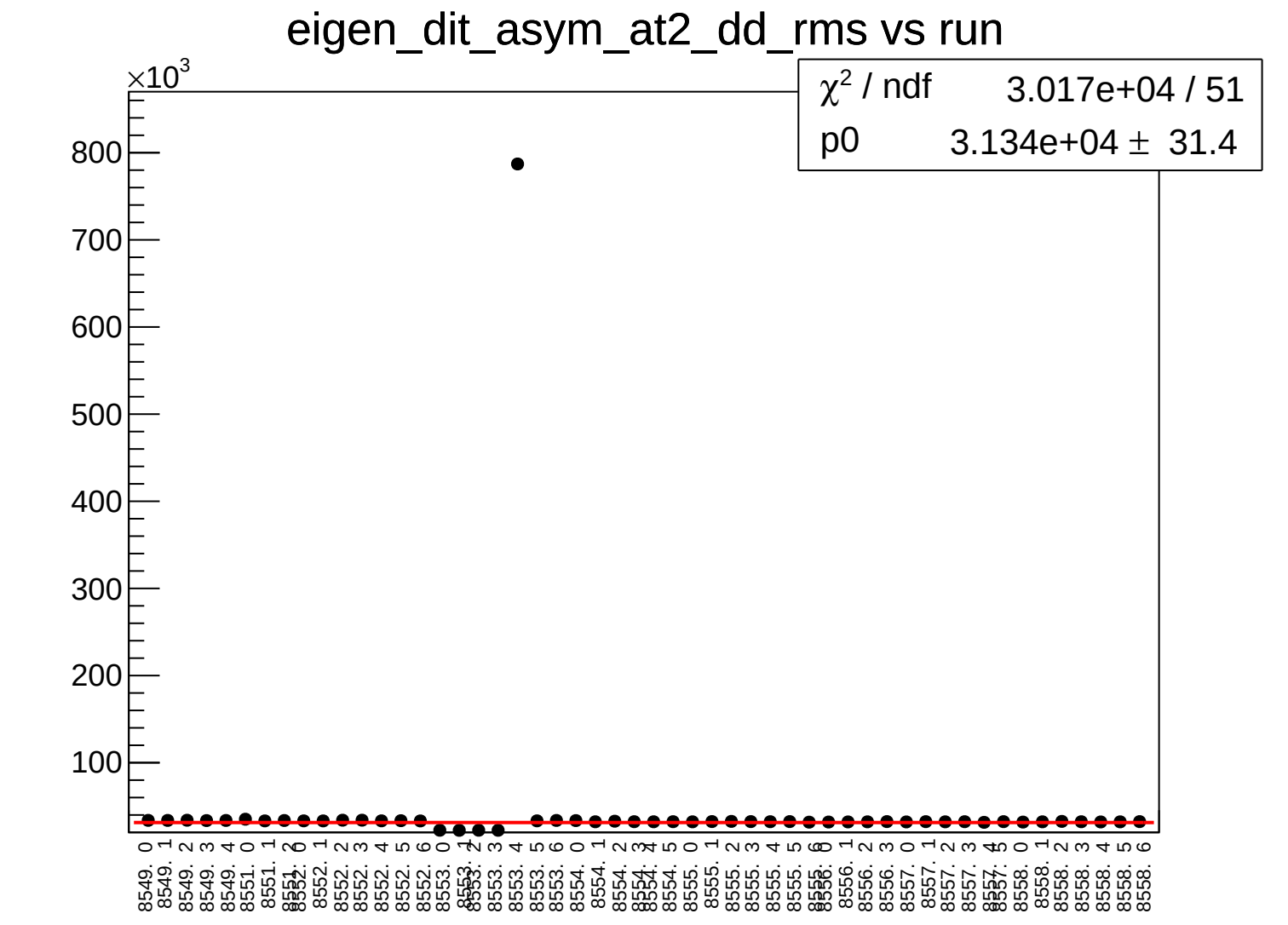

asym_at2_dd_dit_correction_mean vs run
χ² / ndf 79.4 / 51
p0 2208 ± 662.6
pull
Entries 52
Mean 12.34
Std Dev 0

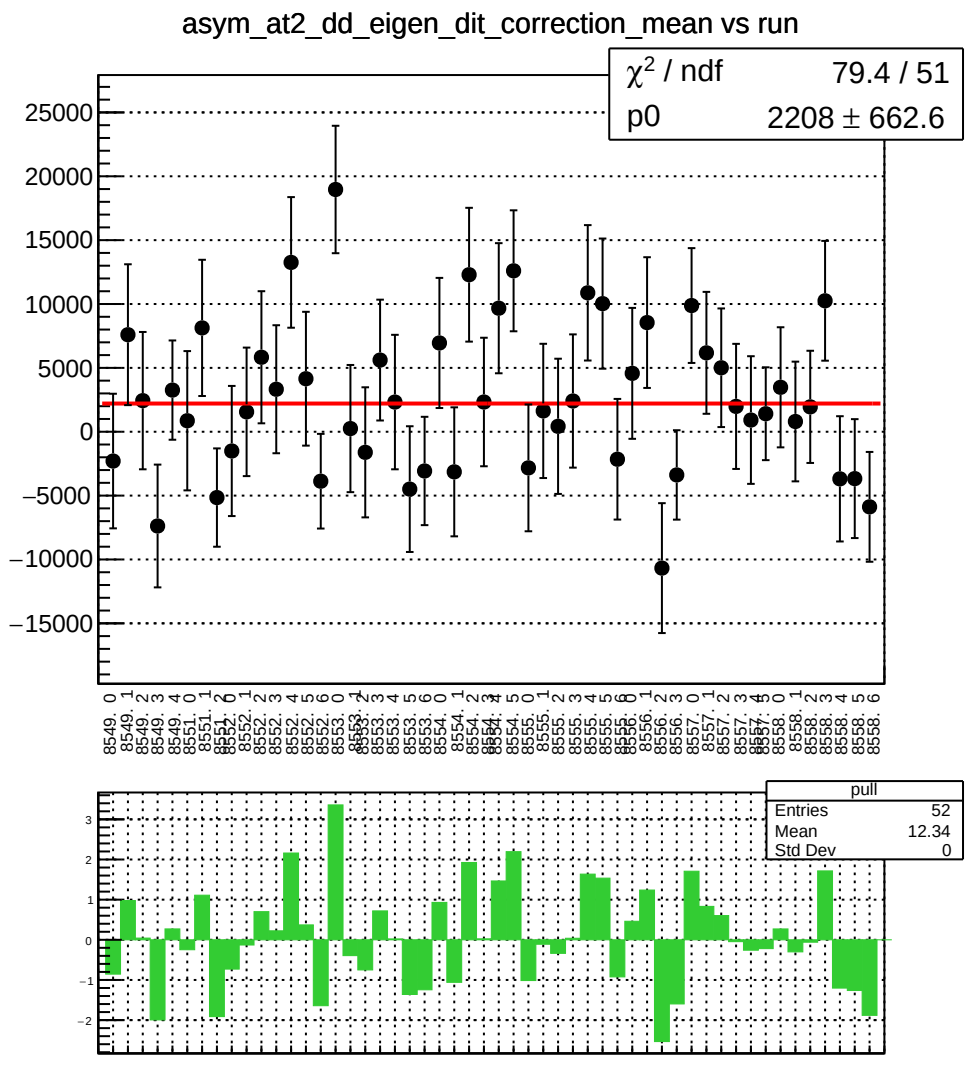

pull1D
Entries 52
Mean 0.04757
Std Dev 1.235

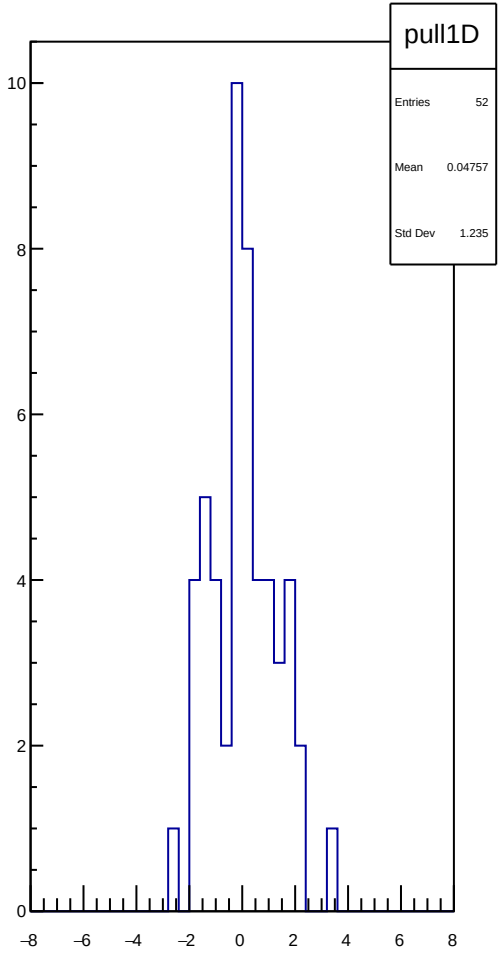

asym_at2_dd_dit_correction_rms vs run
χ² / ndf 2280 / 51
p0 474.2 ± 0.4685
520
500
480
460
440
420
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

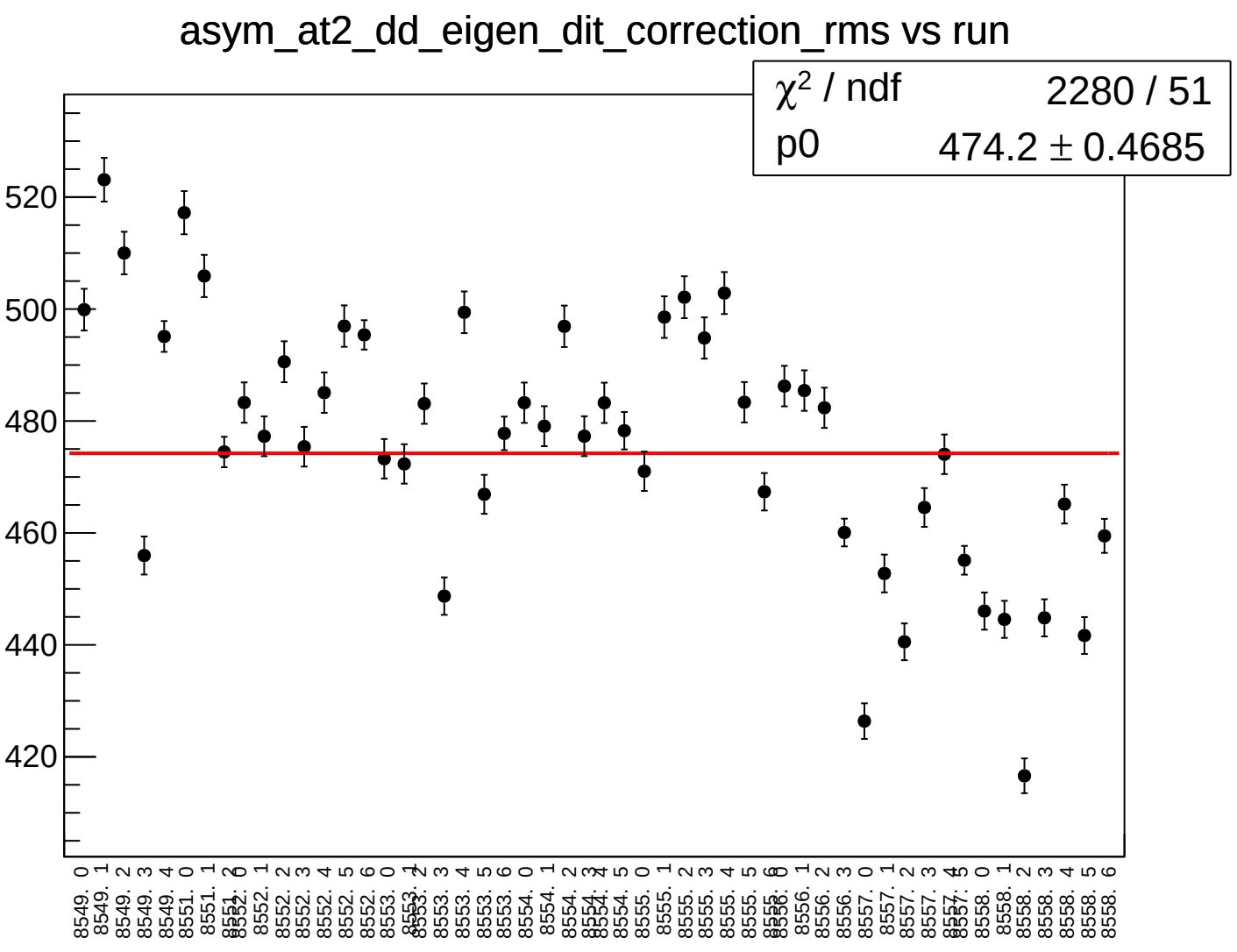

eigen_dit_asym_at2_dd_mean vs run
×10^3
χ² / ndf 47.43 / 50
p0 −1.428e+04 ± 4.44e+04
1000
500
0
−500
−1000
pull
Entries 51
Mean 207.8
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5

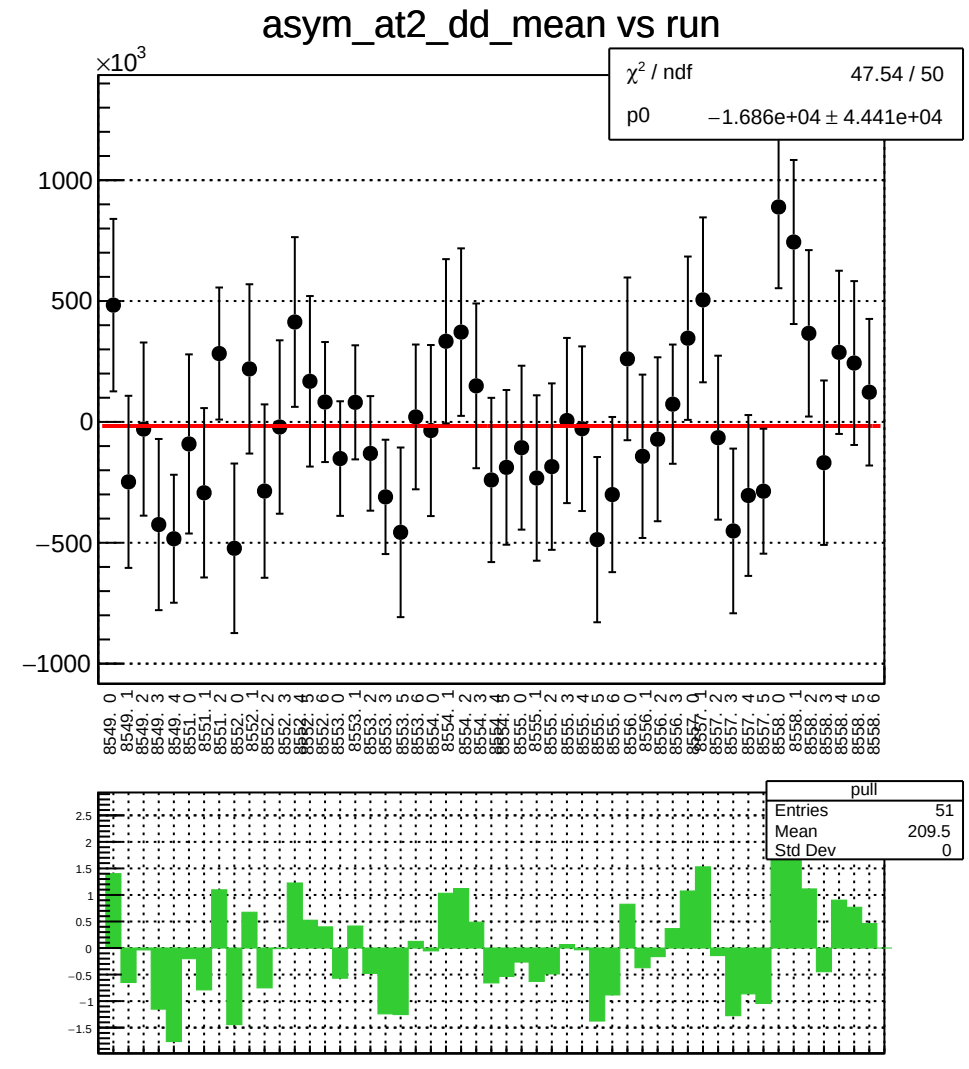

pull1D
Entries 51
Mean 0.01948
Std Dev 0.9642
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

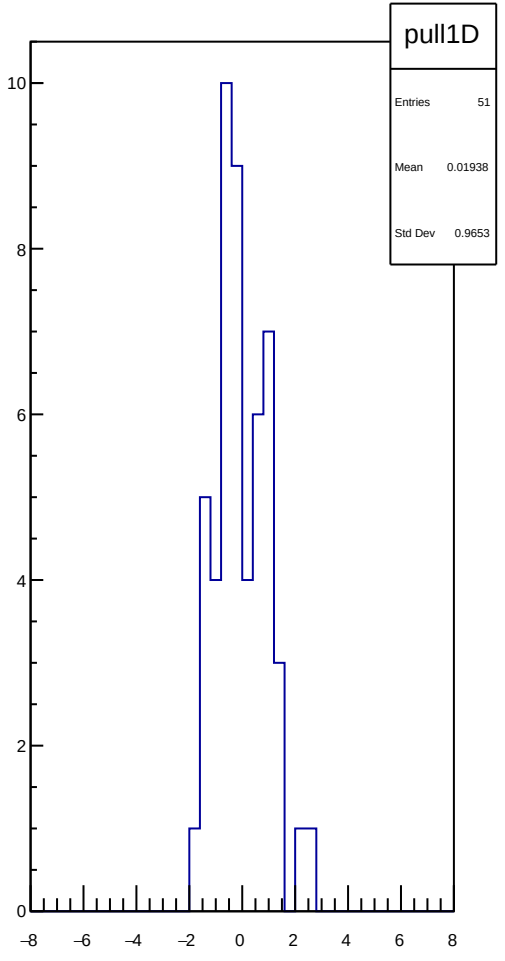

eigen_dit_asym_at2_dd_rms vs run
×10^3
800
700
600
500
400
300
200
100
χ² / ndf 3.017e+04 / 51
p0 3.134e+04 ± 31.4
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 5
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

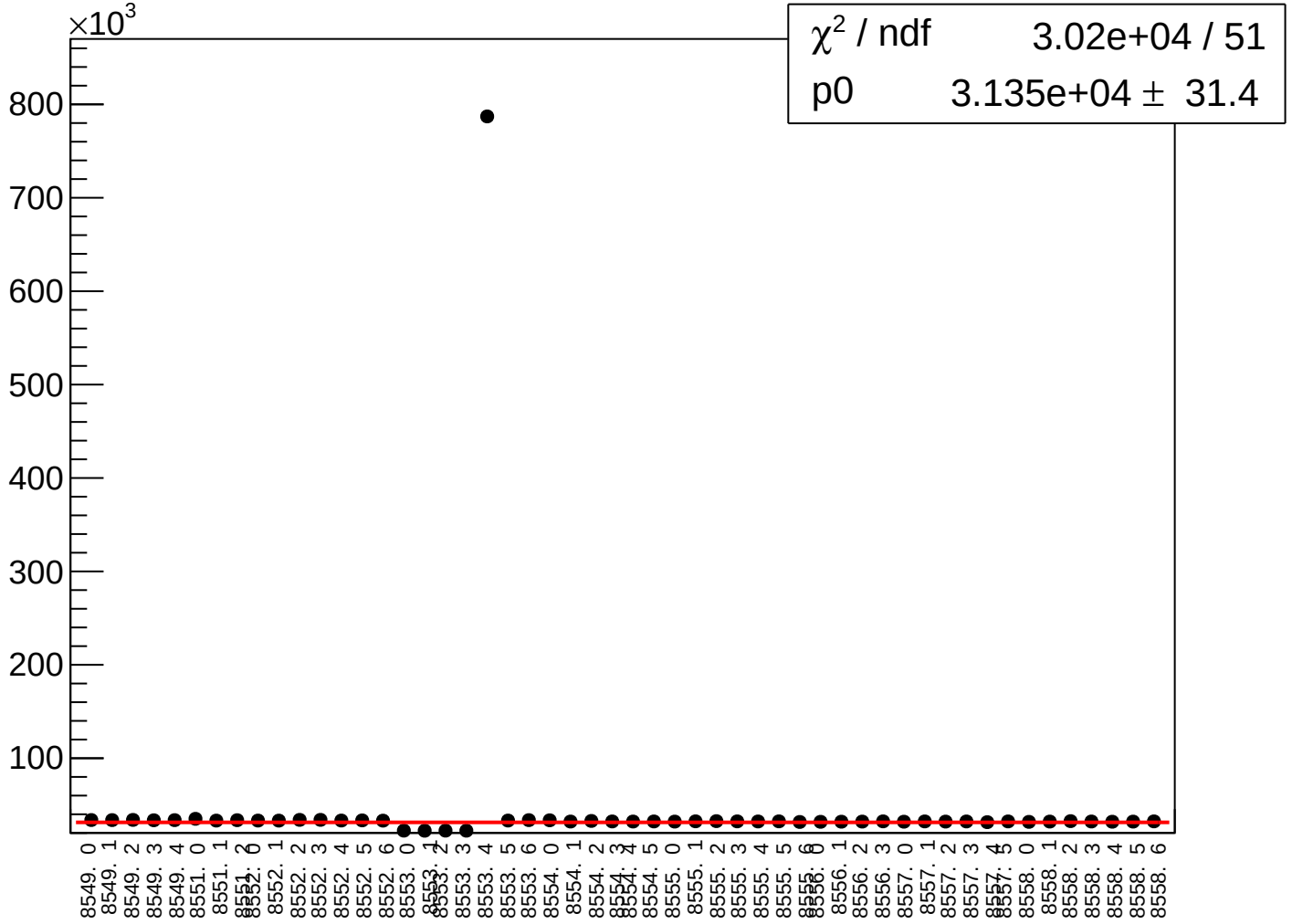

asym_at2_dd_eigen_dit_correction_mean vs run
χ² / ndf 79.4 / 51
p0 2208 ± 662.6
pull
Entries 52
Mean 12.34
Std Dev 0

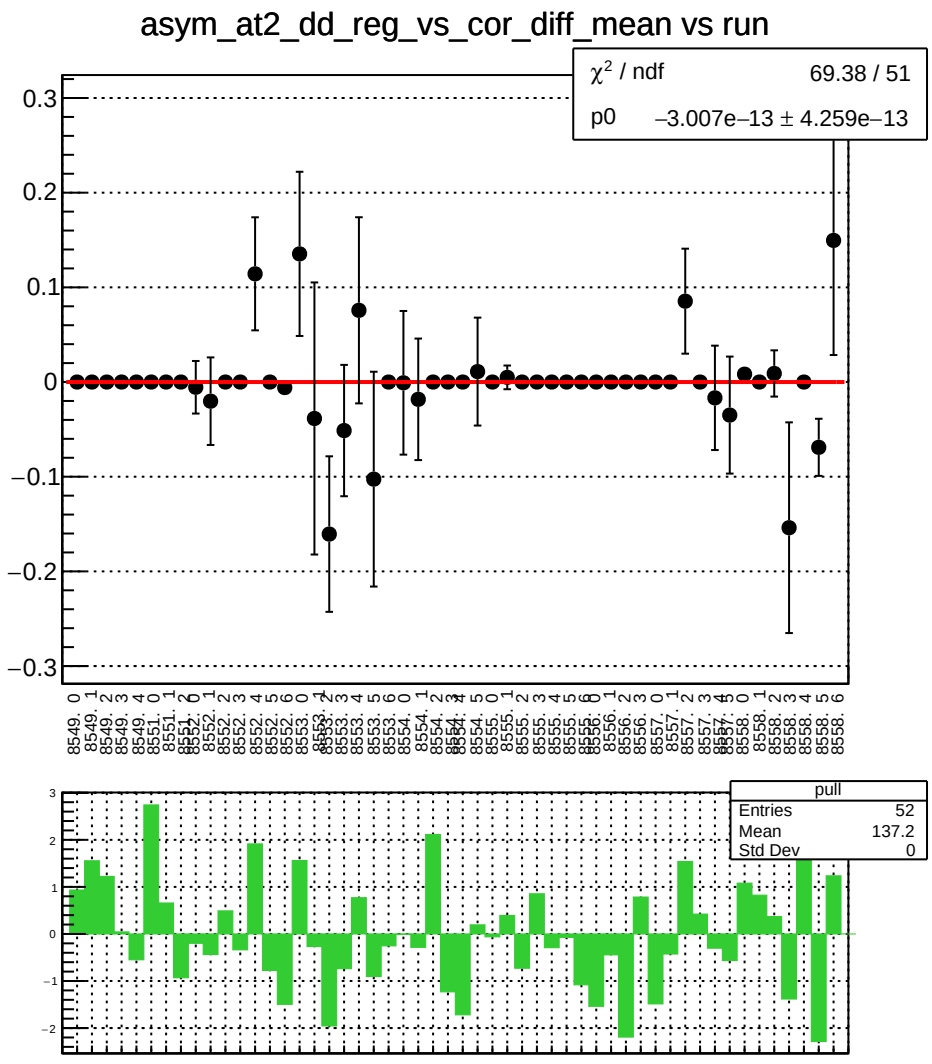

pull1D
Entries 52
Mean 0.04757
Std Dev 1.235

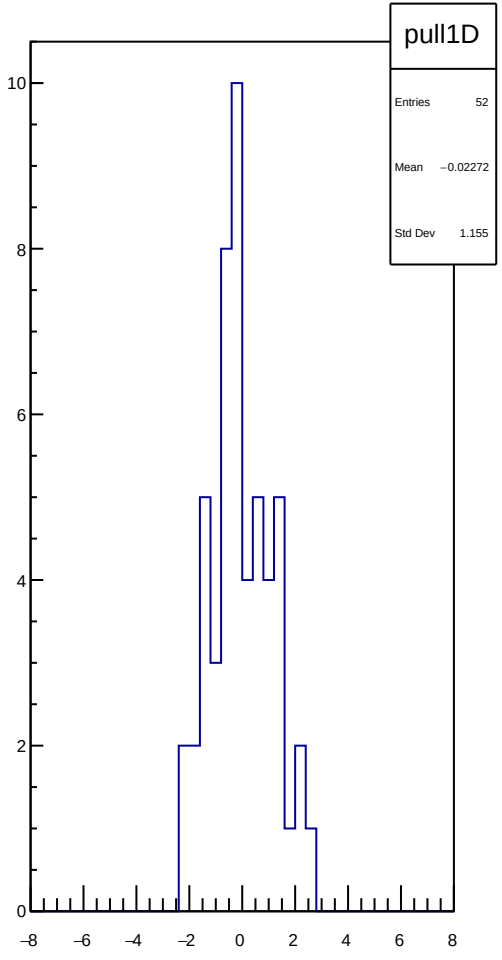

asym_at2_dd_eigen_dit_correction_rms vs run
χ² / ndf 2280 / 51
p0 474.2 ± 0.4685
520
500
480
460
440
420
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 5
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

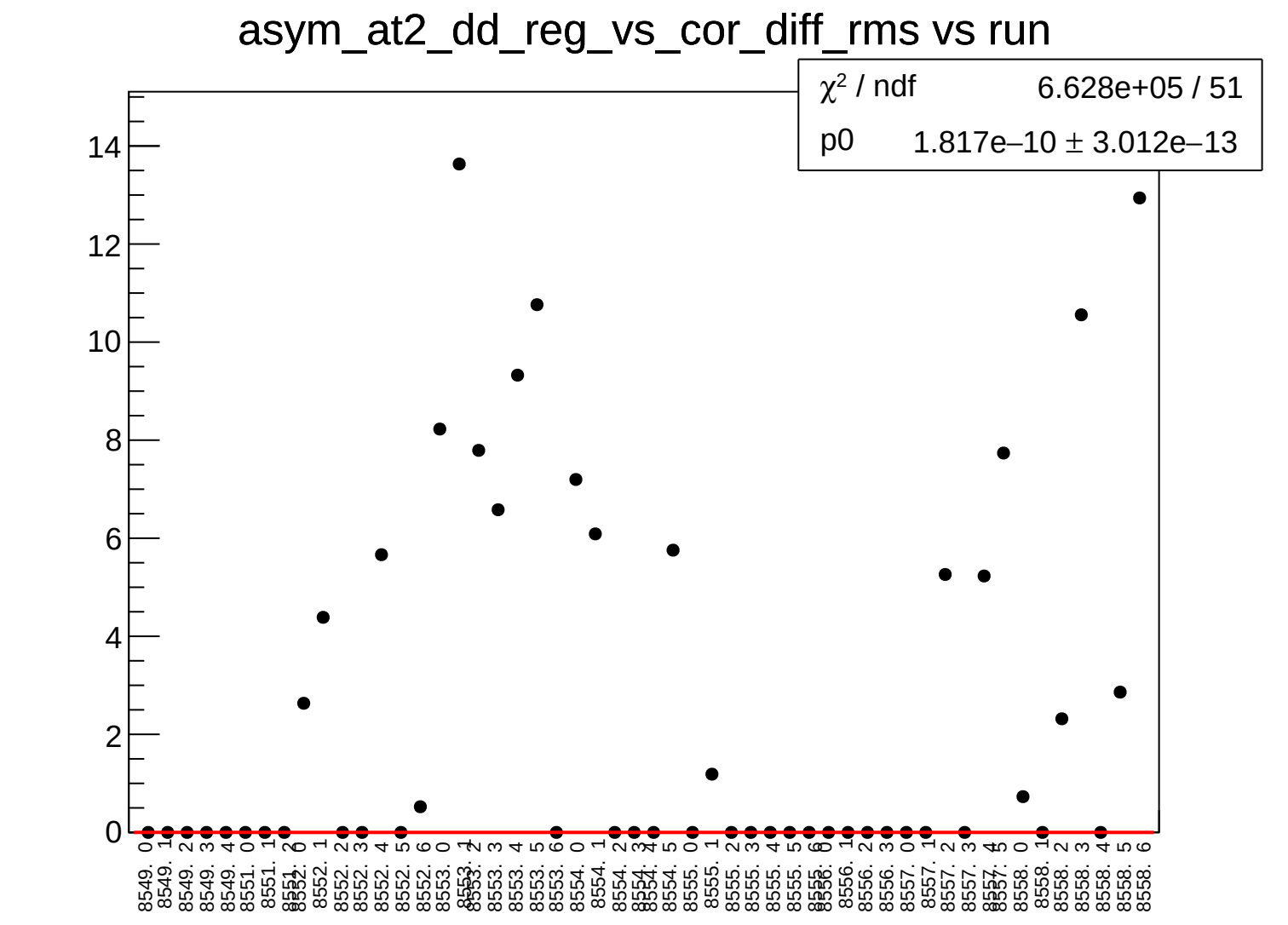

asym_at2_dd_mean vs run
×10^3
χ² / ndf 47.54 / 50
p0 −1.686e+04 ± 4.441e+04
1000
500
0
−500
−1000
pull
Entries 51
Mean 209.5
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5

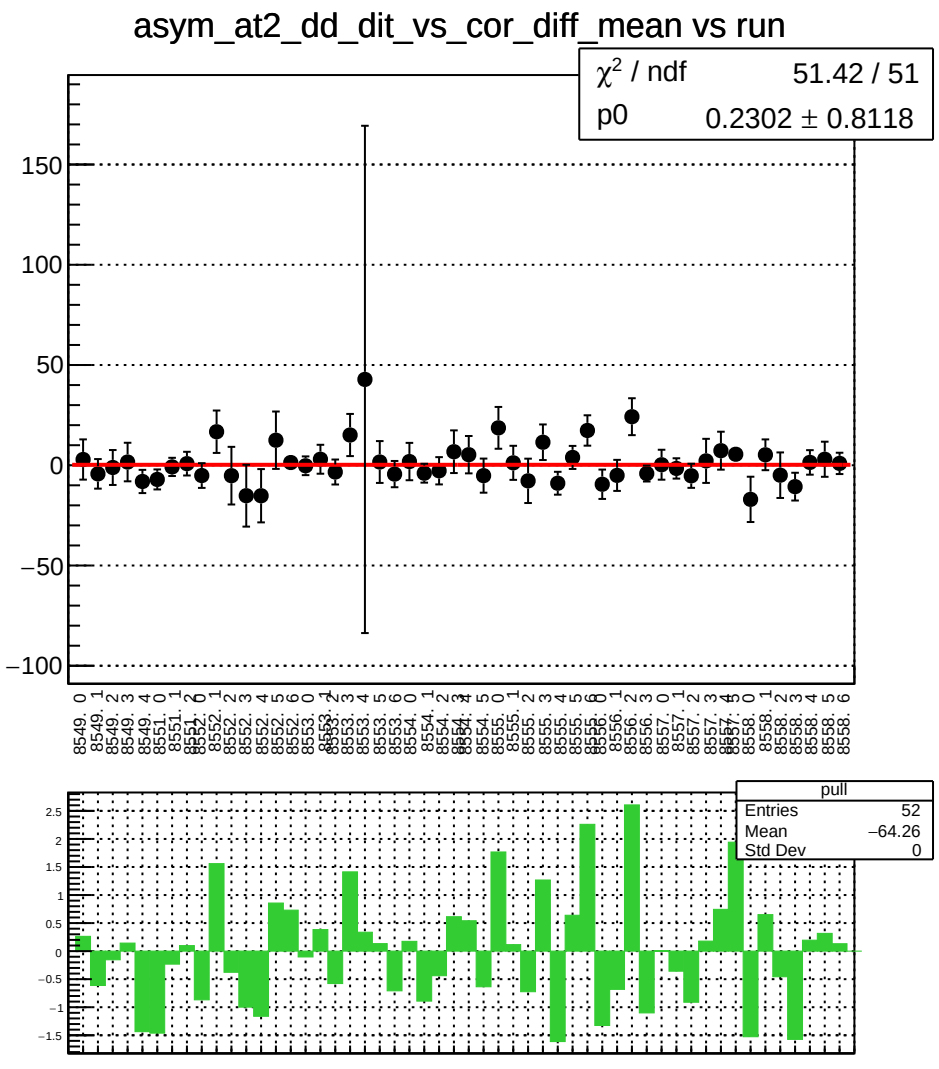

pull1D
Entries 51
Mean 0.01938
Std Dev 0.9653
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

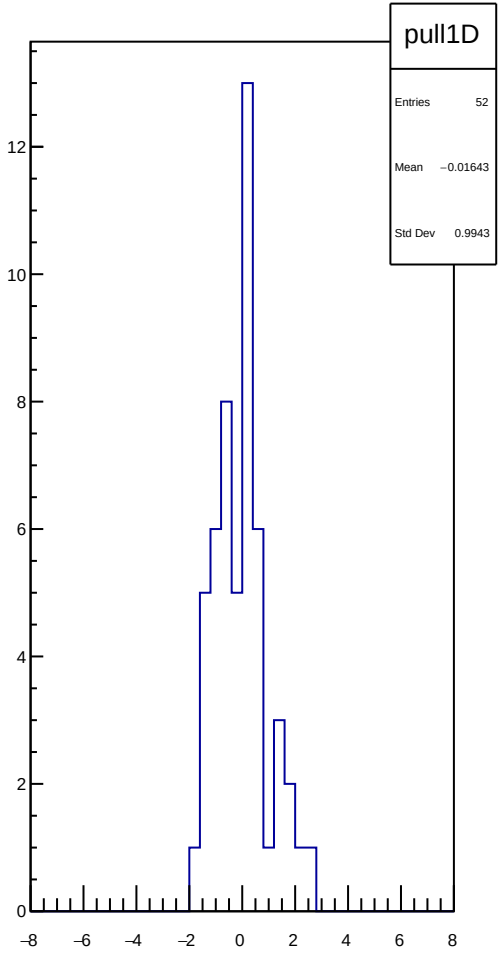

asym_at2_dd_rms vs run
×10^3
800
700
600
500
400
300
200
100
χ² / ndf 3.02e+04 / 51
p0 3.135e+04 ± 31.4
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 5
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

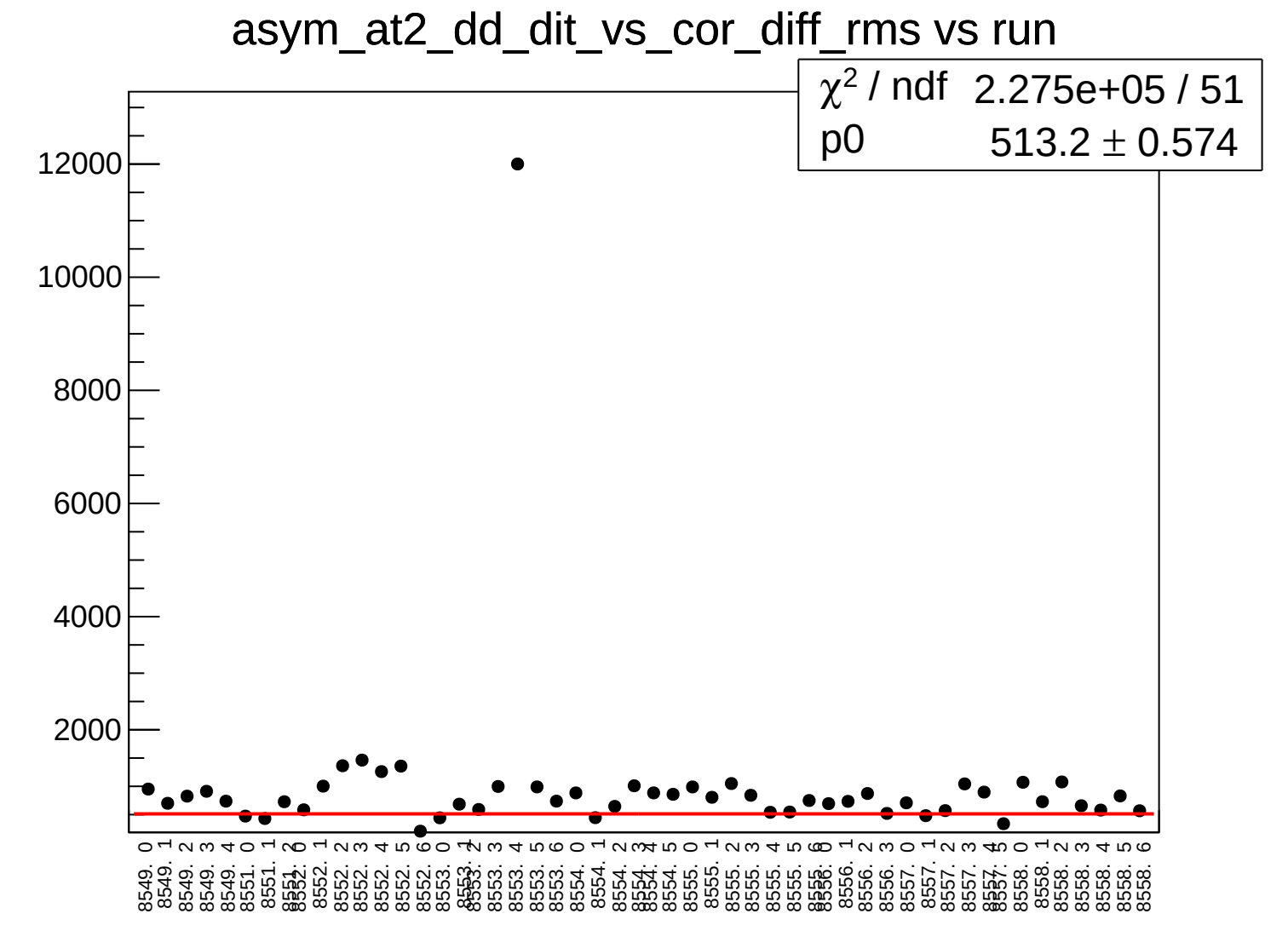

asym_at2_dd_reg_vs_cor_diff_mean vs run
χ² / ndf 69.38 / 51
p0 −3.007e−13 ± 4.259e−13
pull
Entries 52
Mean 137.2
Std Dev 0

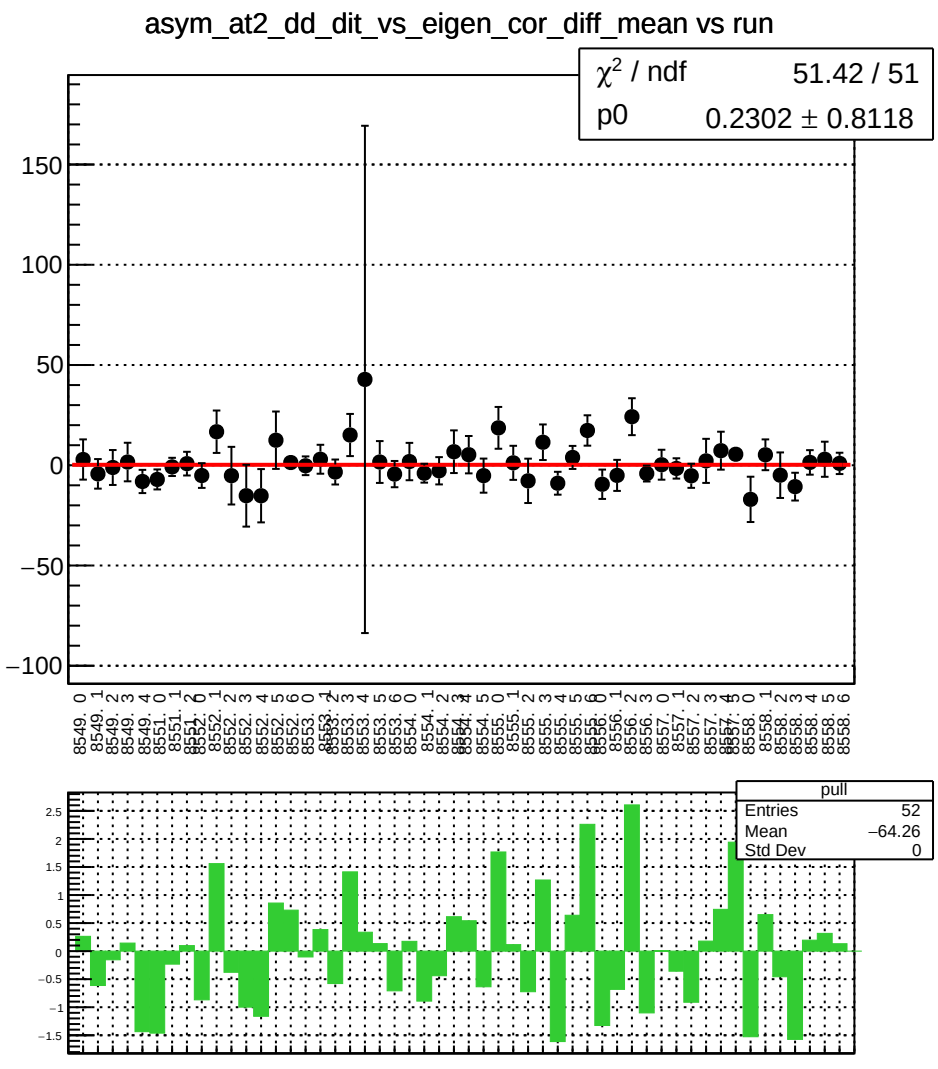

pull1D
Entries 52
Mean −0.02272
Std Dev 1.155

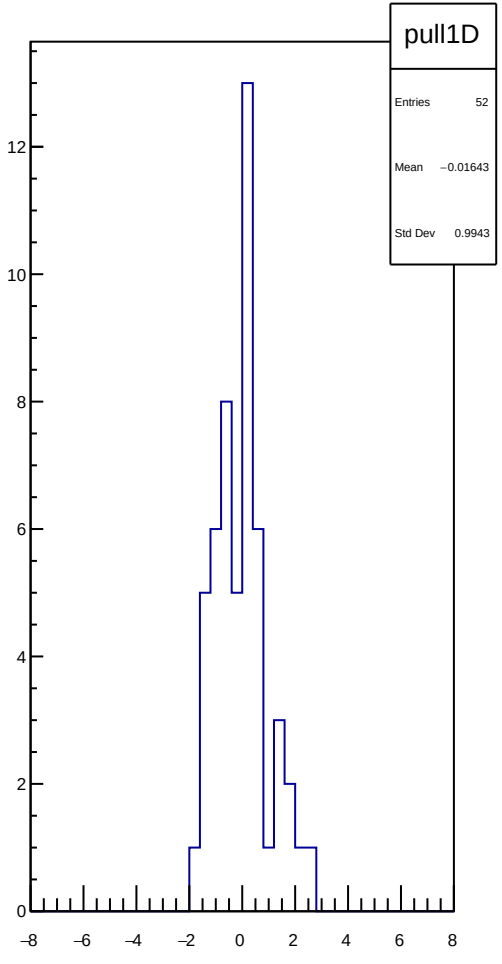

asym_at2_dd_reg_vs_cor_diff_rms vs run
χ² / ndf 6.628e+05 / 51
p0 1.817e−10 ± 3.012e−13
0
2
4
6
8
10
12
14
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 0
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 1
8553. 2
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 3
8554. 4
8554. 5
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

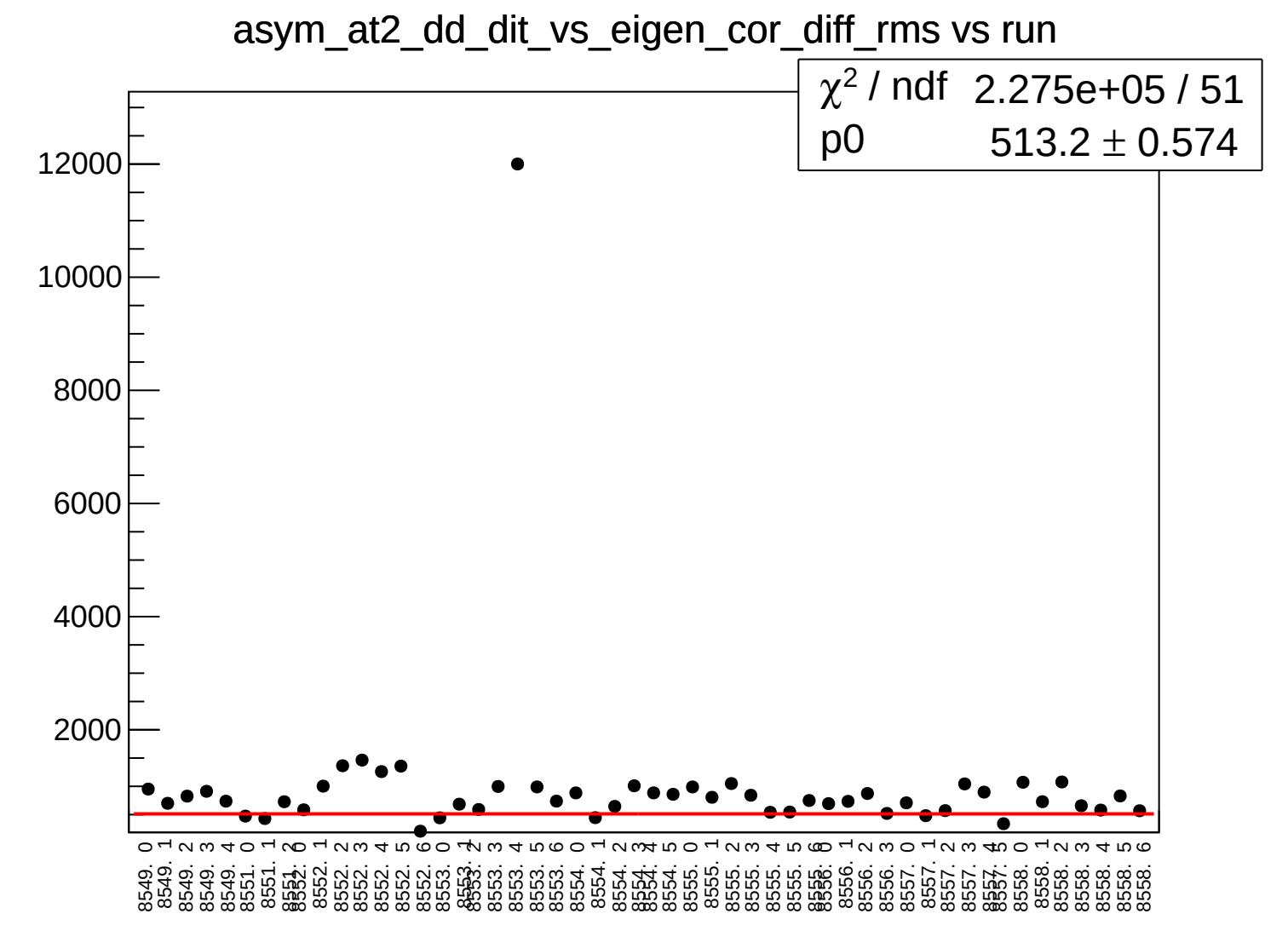

asym_at2_dd_dit_vs_cor_diff_mean vs run
χ² / ndf 51.42 / 51
p0 0.2302 ± 0.8118
150
100
50
0
−50
−100
pull
Entries 52
Mean −64.26
Std Dev 0


pull1D
Entries 52
Mean −0.01643
Std Dev 0.9943
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


asym_at2_dd_dit_vs_cor_diff_rms vs run
χ² / ndf 2.275e+05 / 51
p0 513.2 ± 0.574
12000
10000
8000
6000
4000
2000
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 0
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6


asym_at2_dd_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 51.42 / 51
p0 0.2302 ± 0.8118
150
100
50
0
−50
−100
pull
Entries 52
Mean −64.26
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5


pull1D
Entries 52
Mean −0.01643
Std Dev 0.9943
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


asym_at2_dd_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 2.275e+05 / 51
p0 513.2 ± 0.574
12000
10000
8000
6000
4000
2000
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
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8557. 3
8558. 0
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8558. 3
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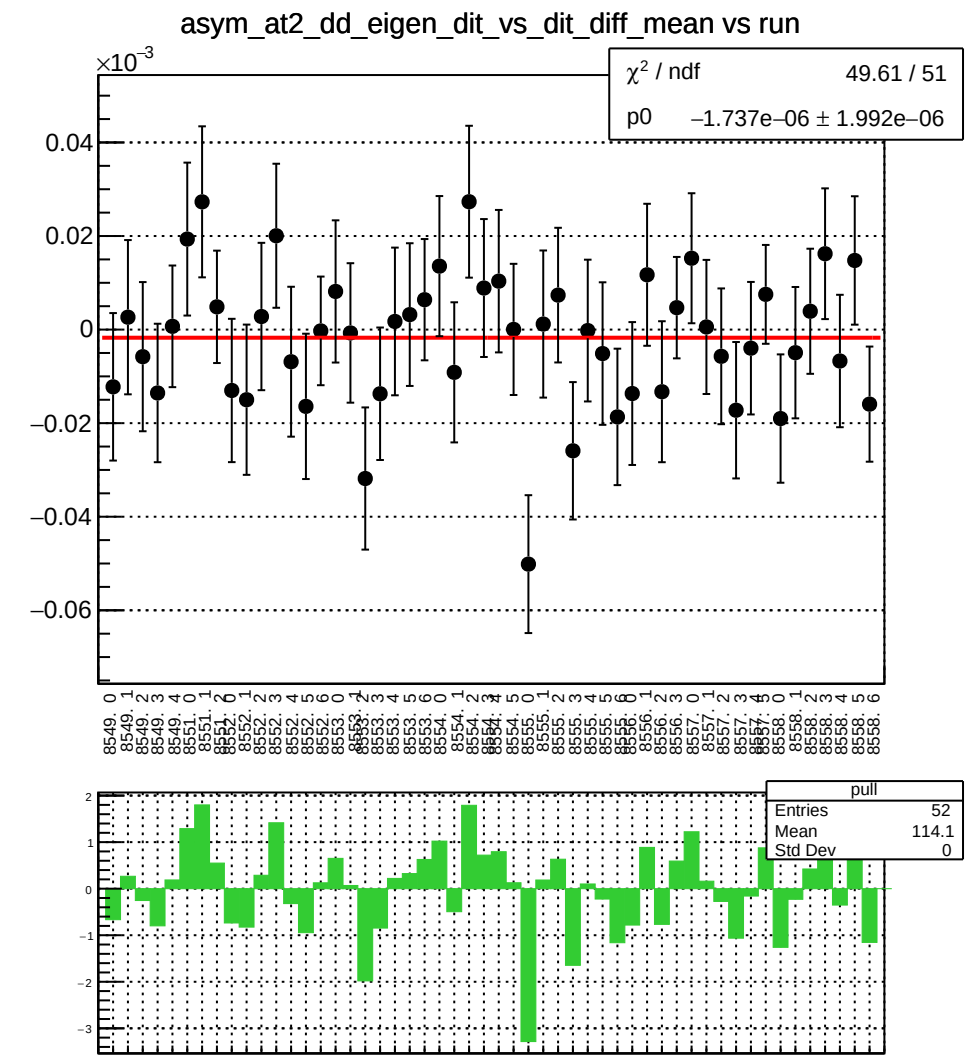
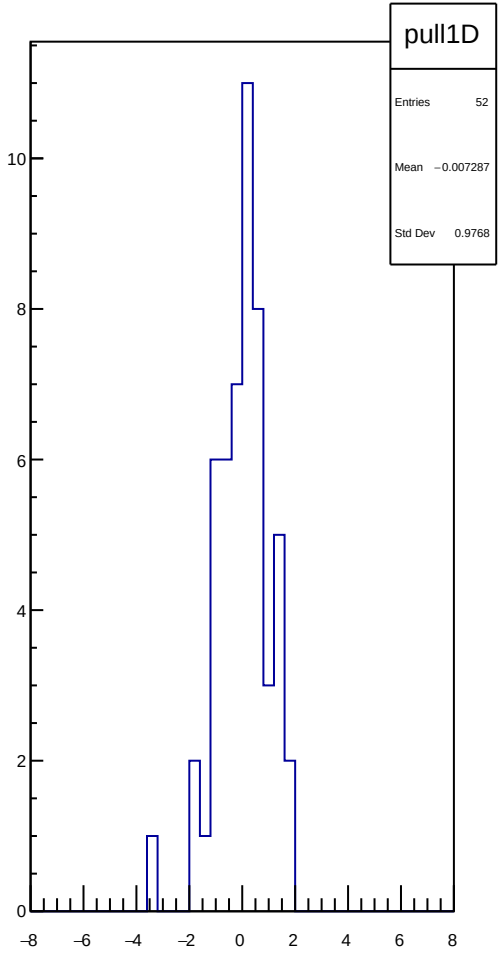
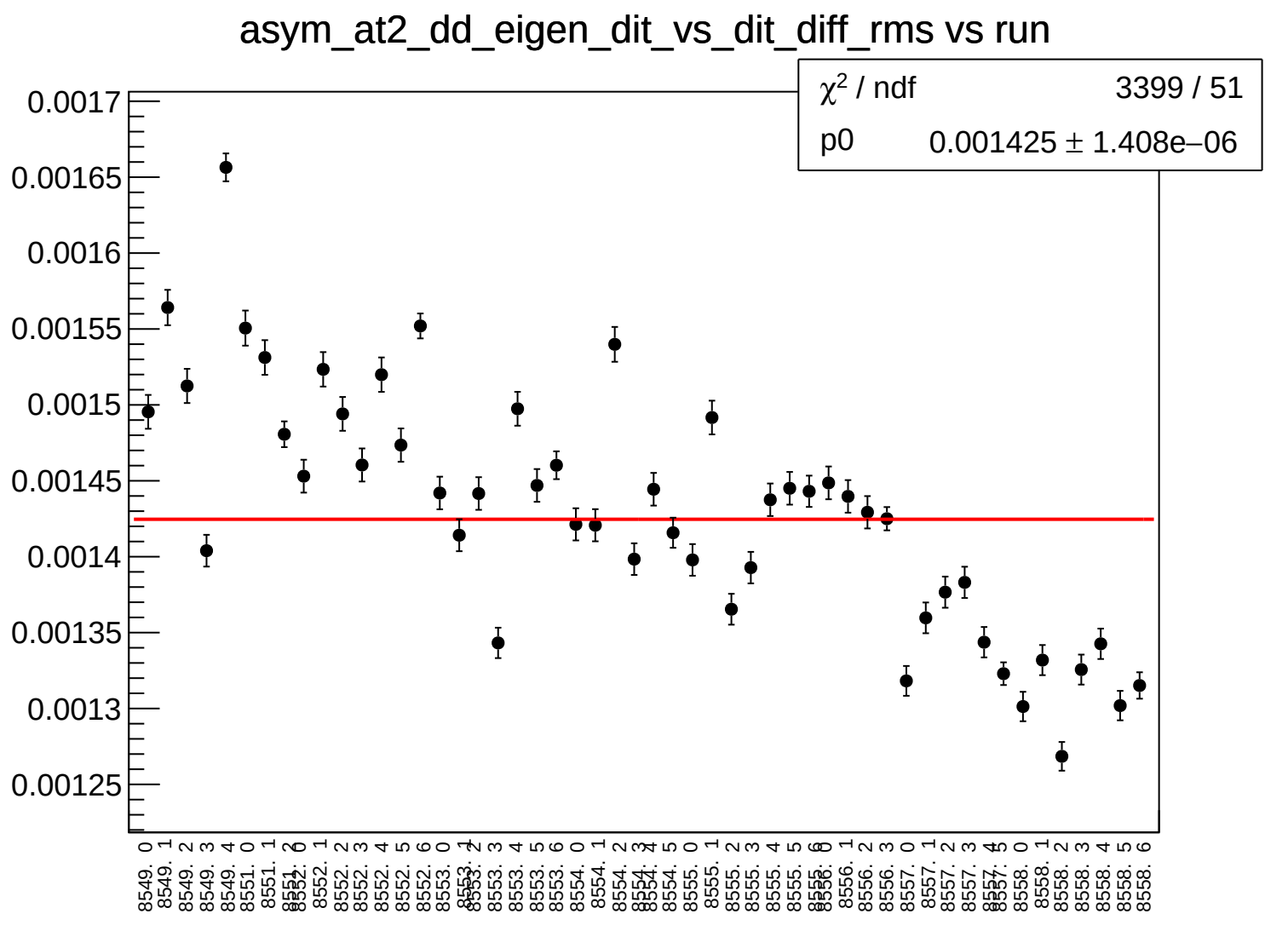
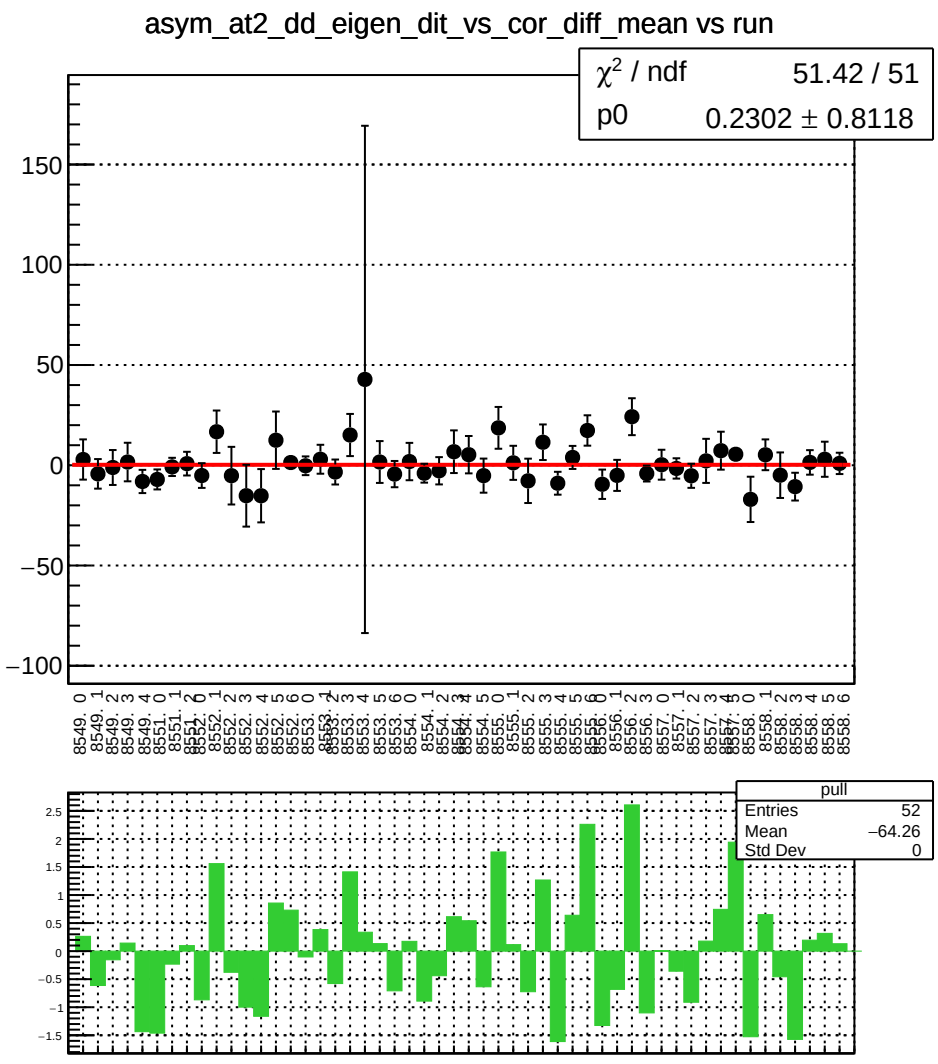
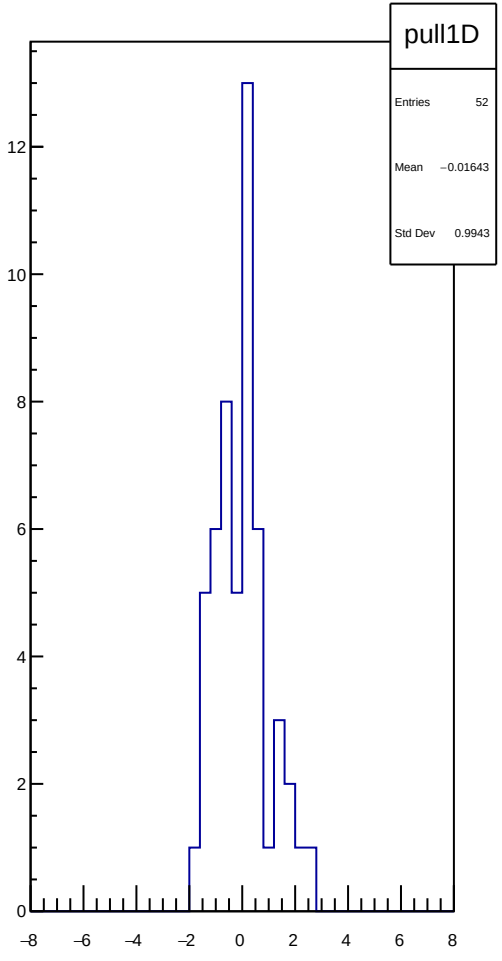
8558. 5
8558. 6

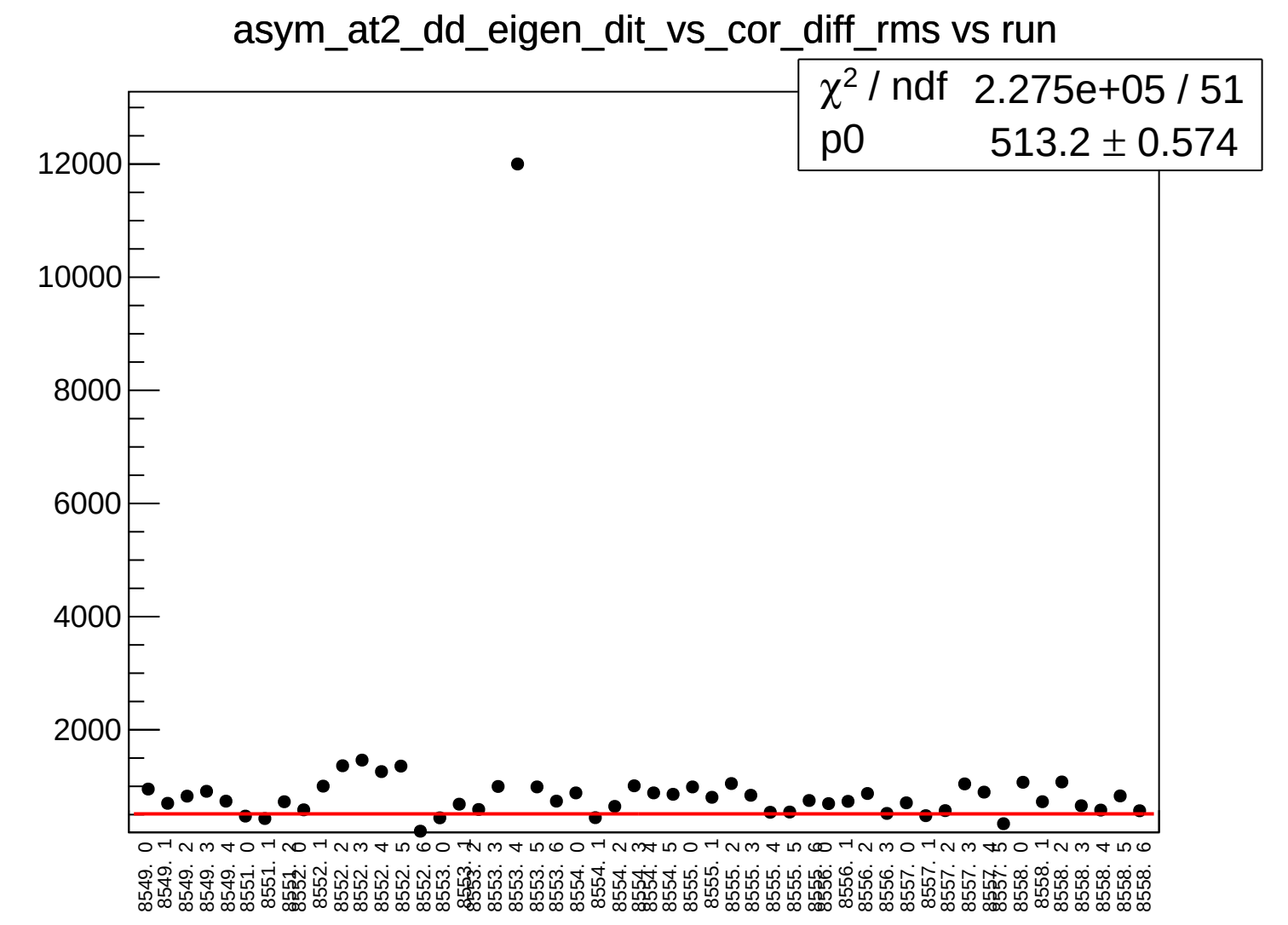

asym_at2_dd_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 49.61 / 51
p0 −1.737e−06 ± 1.992e−06
0.04
0.02
0
−0.02
−0.04
−0.06
pull
Entries 52
Mean 114.1
Std Dev 0

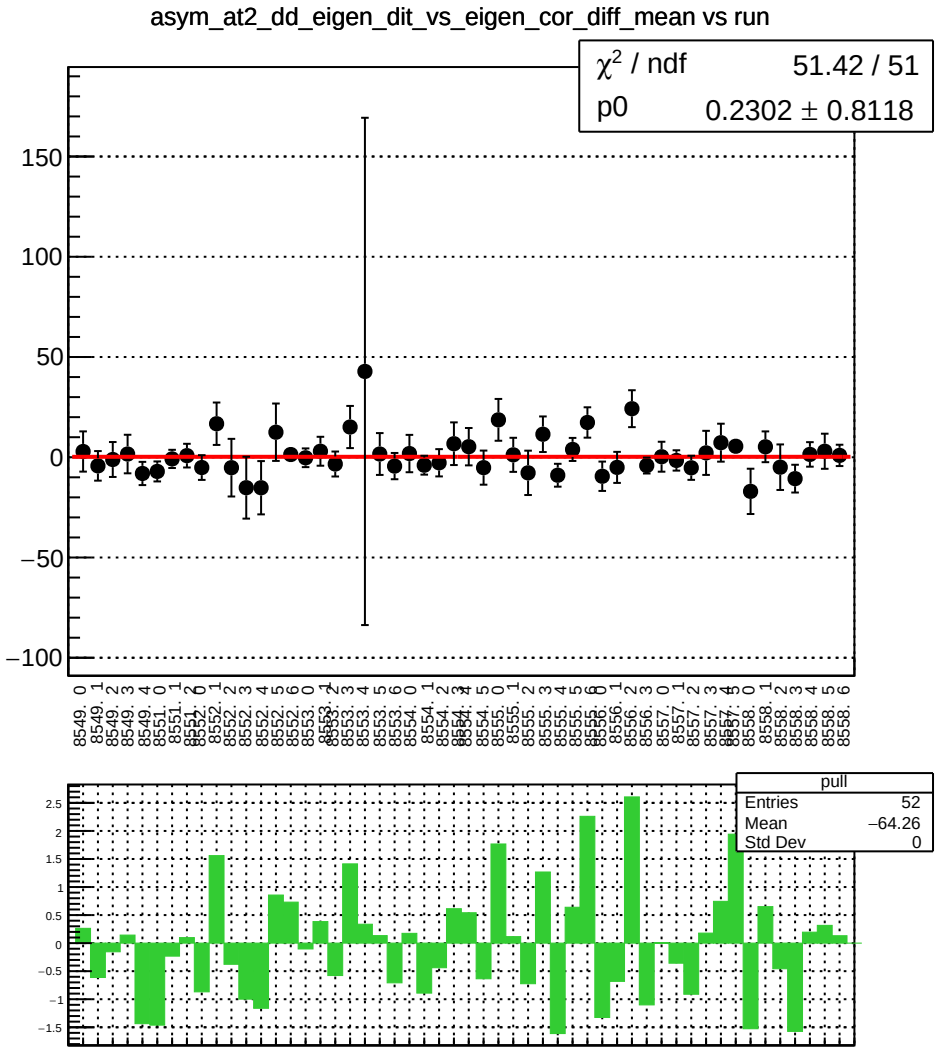

pull1D
Entries 52
Mean −0.007287
Std Dev 0.9768
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

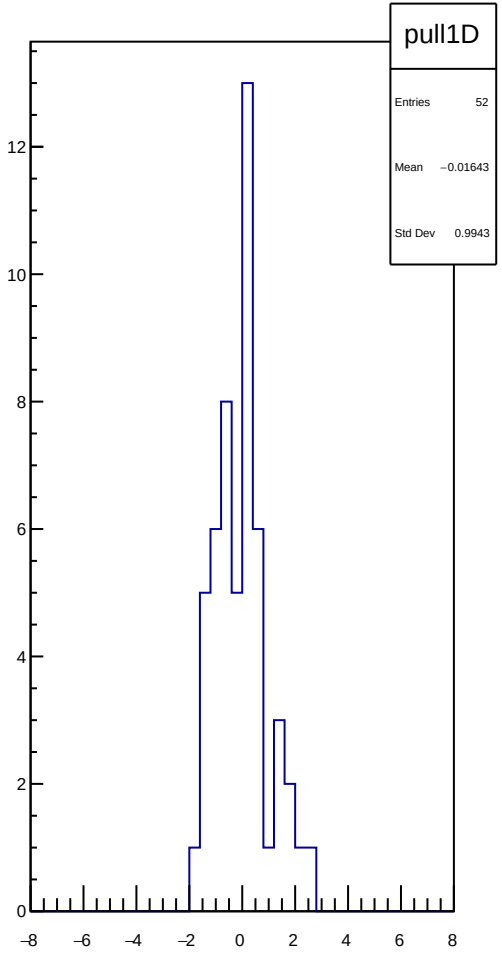

asym_at2_dd_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 3399 / 51
p0 0.001425 ± 1.408e−06
0.0017
0.00165
0.0016
0.00155
0.0015
0.00145
0.0014
0.00135
0.0013
0.00125

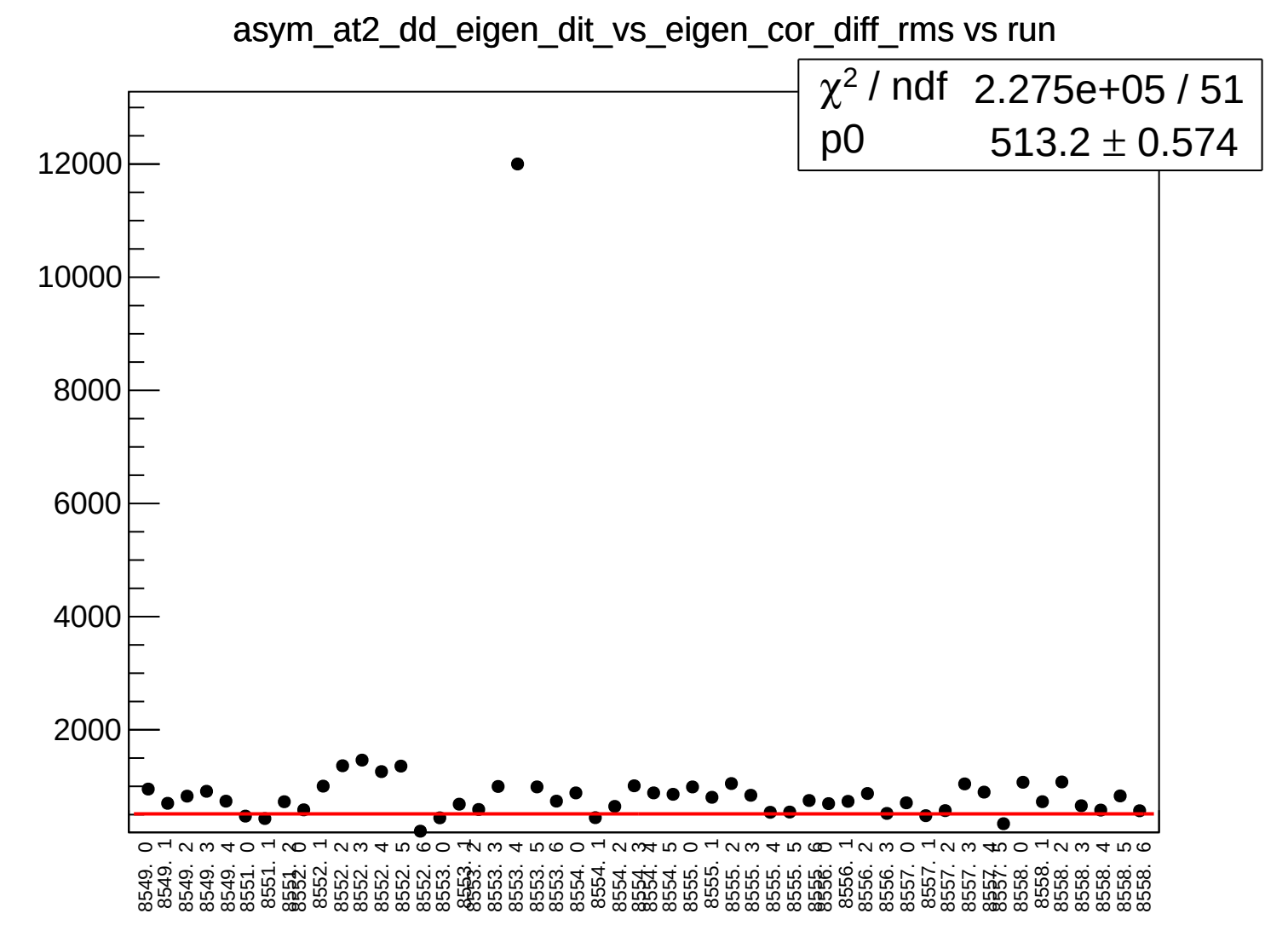

asym_at2_dd_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 51.42 / 51
p0 0.2302 ± 0.8118
150
100
50
0
−50
−100
pull
Entries 52
Mean −64.26
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5

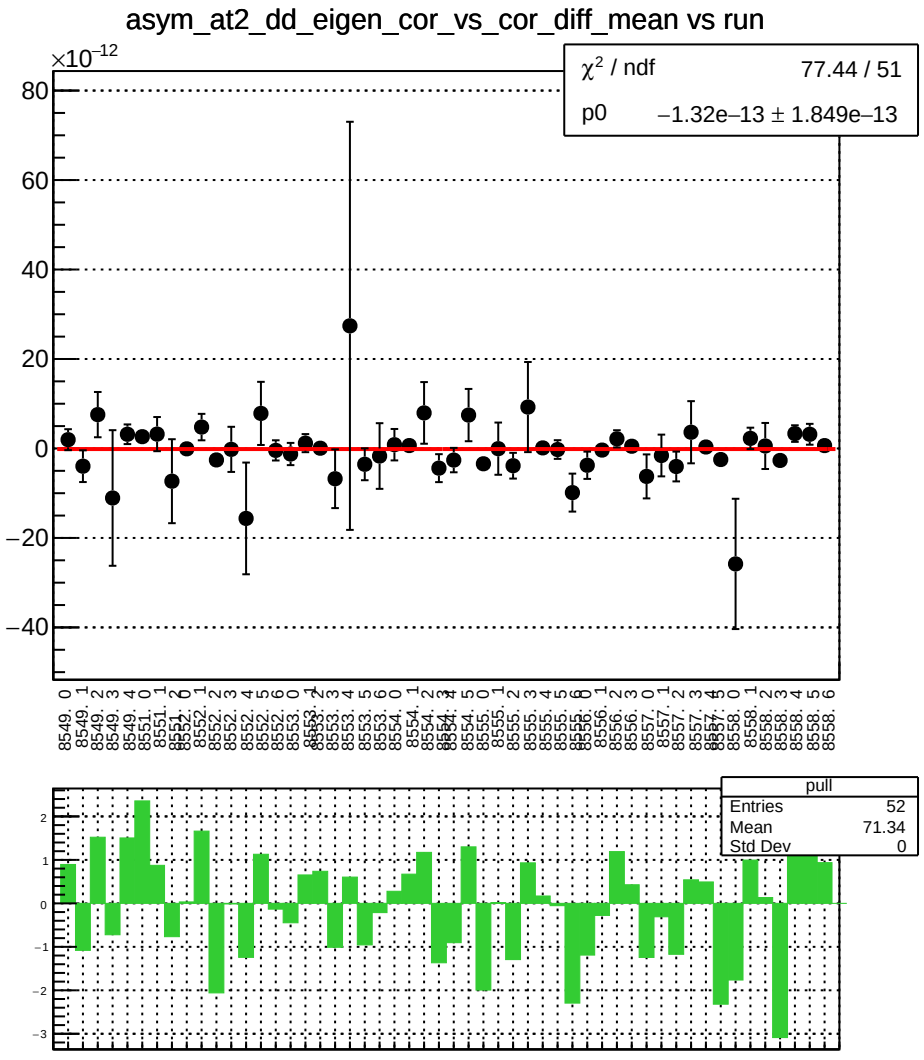

pull1D
Entries 52
Mean −0.01643
Std Dev 0.9943
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

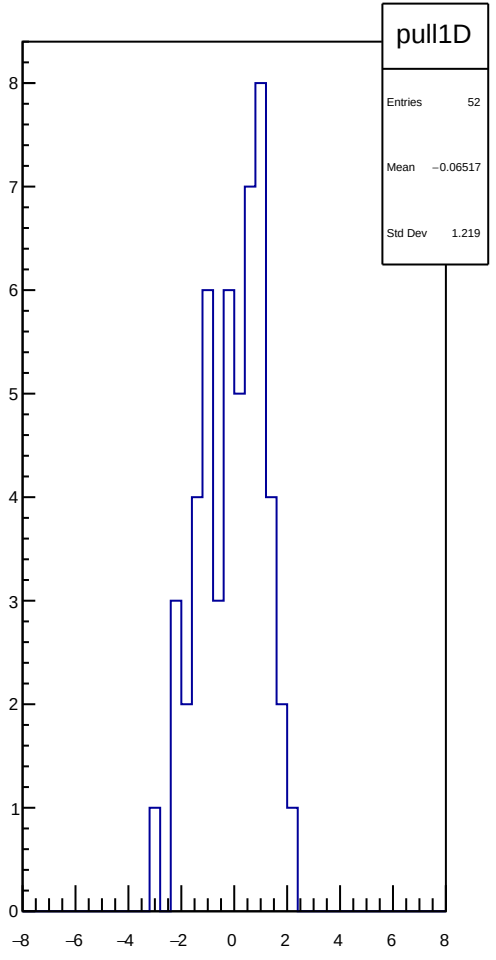

asym_at2_dd_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 2.275e+05 / 51
p0 513.2 ± 0.574
12000
10000
8000
6000
4000
2000
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 0
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

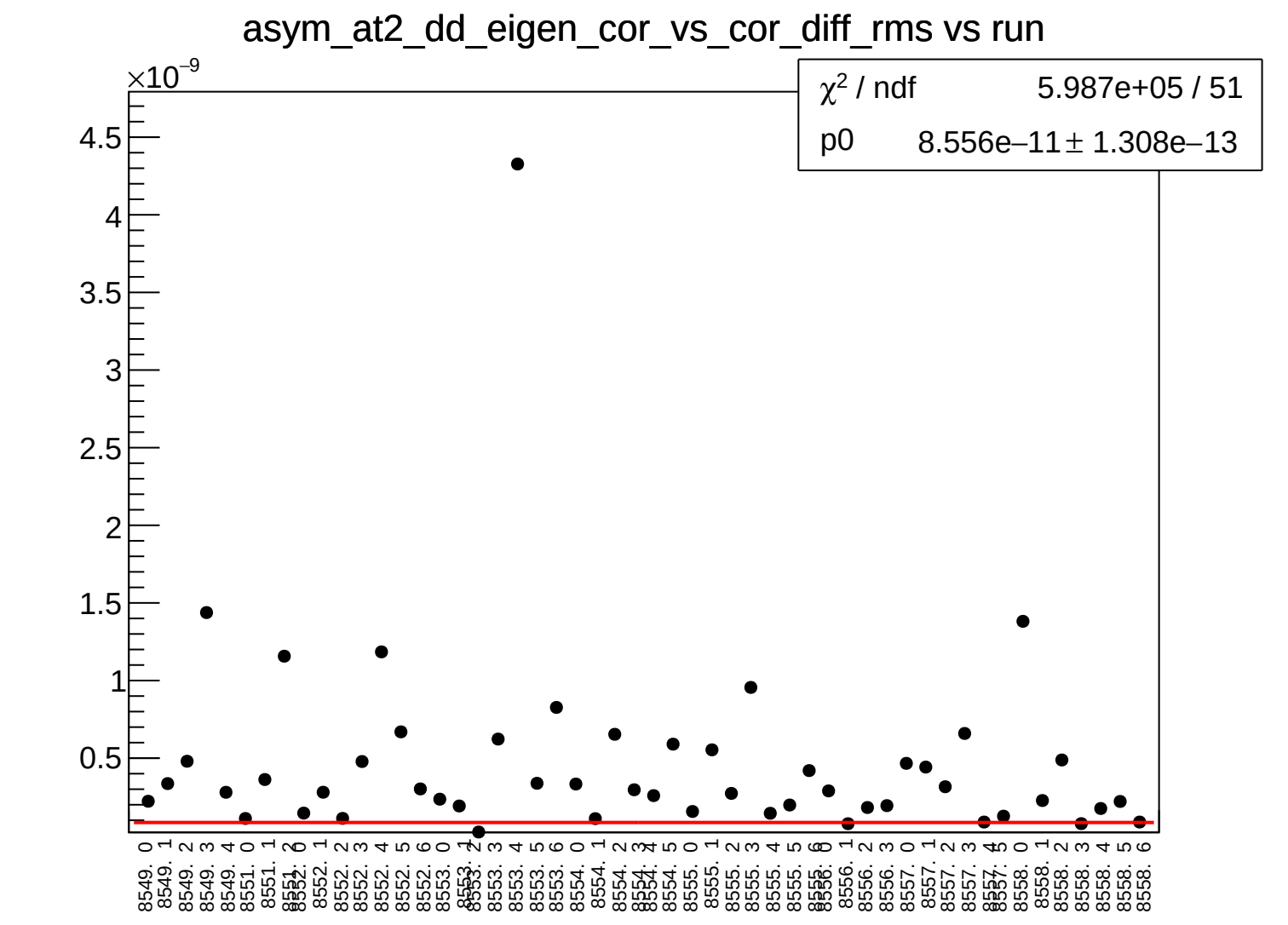

asym_at2_dd_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 51.42 / 51
p0 0.2302 ± 0.8118
150
100
50
0
−50
−100
pull
Entries 52
Mean −64.26
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5

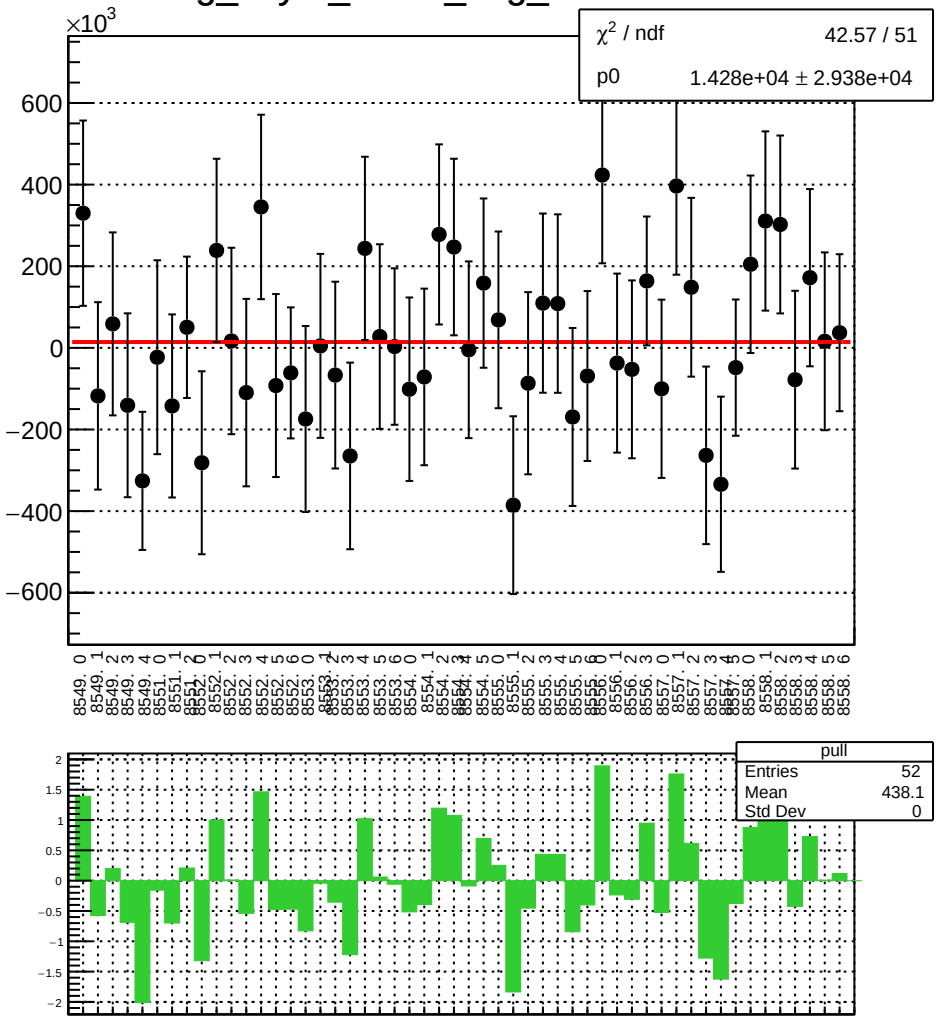

pull1D
Entries 52
Mean −0.01643
Std Dev 0.9943
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

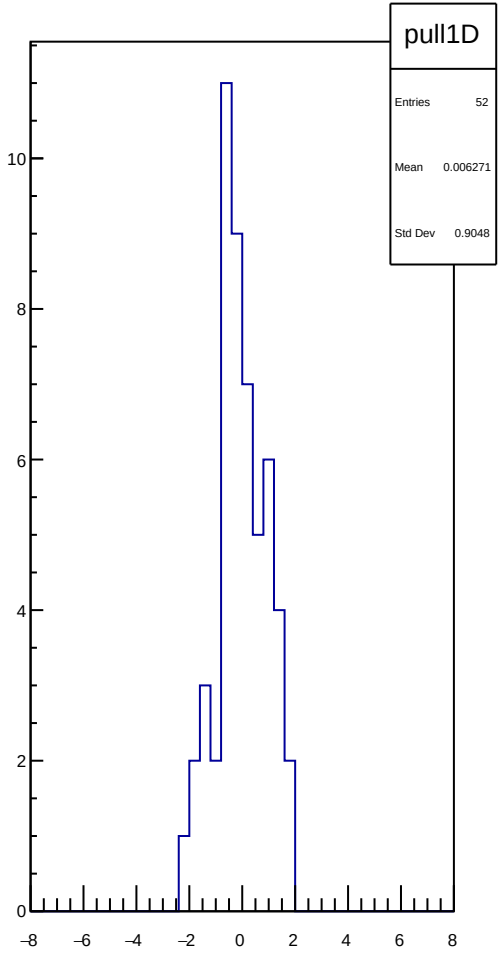

asym_at2_dd_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 2.275e+05 / 51
p0 513.2 ± 0.574
12000
10000
8000
6000
4000
2000
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

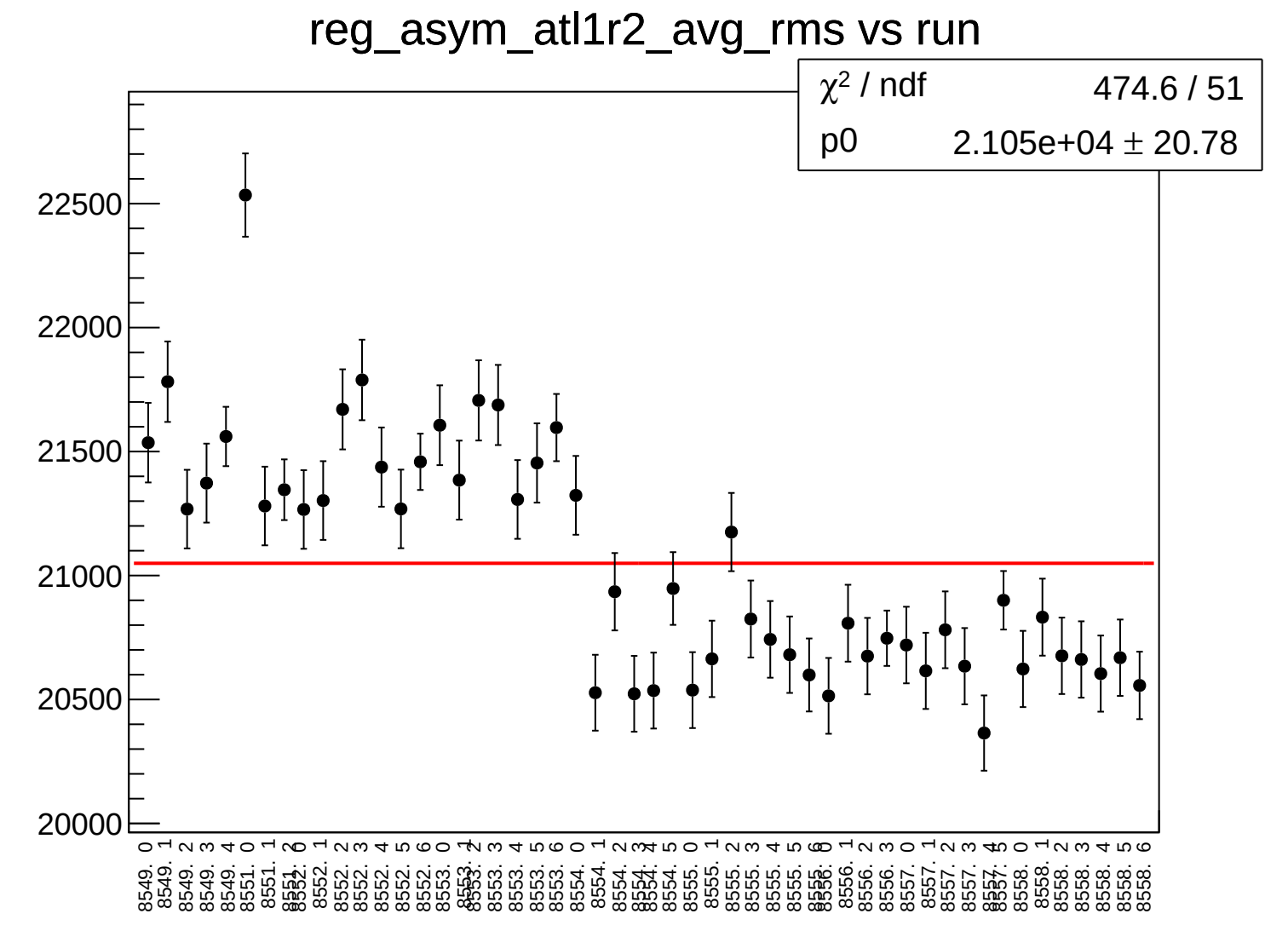

asym_at2_dd_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 77.44 / 51
p0 −1.32e−13 ± 1.849e−13
pull
Entries 52
Mean 71.34
Std Dev 0

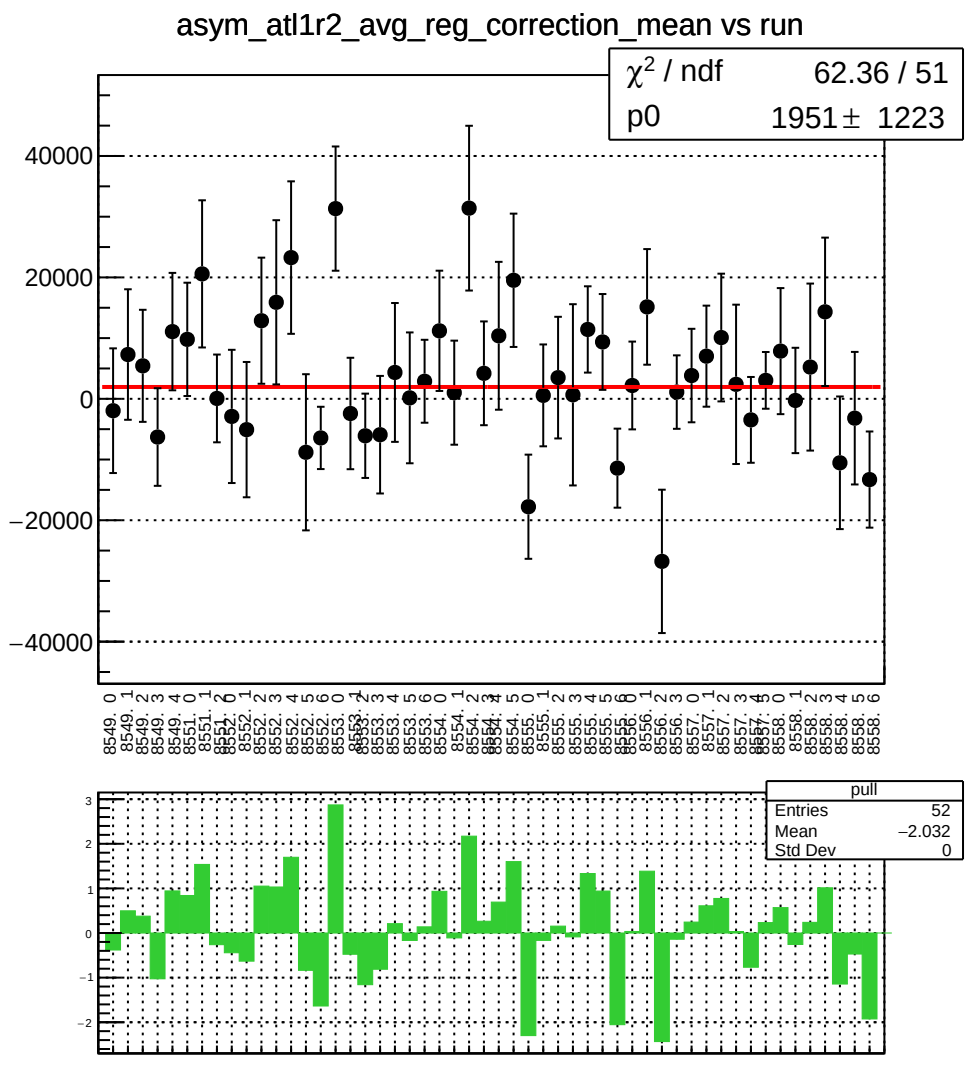

pull1D
Entries 52
Mean −0.06517
Std Dev 1.219

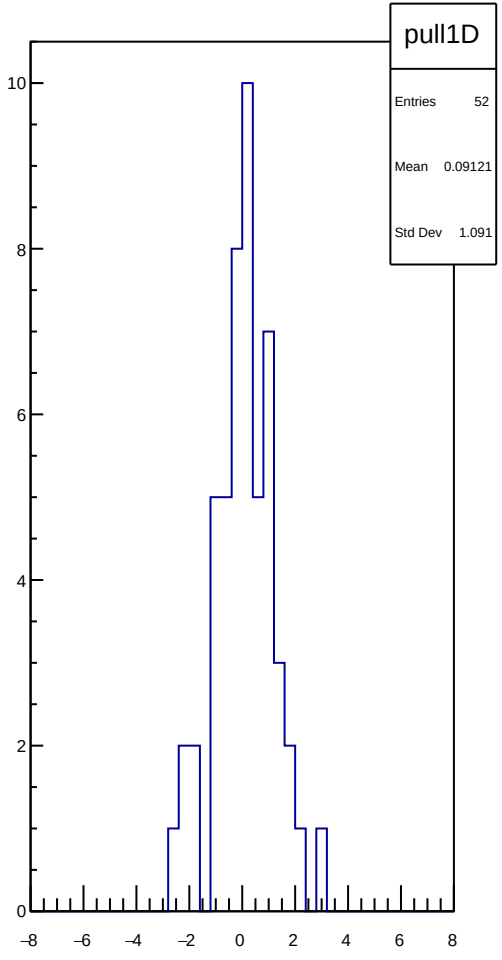

asym_at2_dd_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 5.987e+05 / 51
p0 8.556e−11 ± 1.308e−13
4.5
4
3.5
3
2.5
2
1.5
1
0.5
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 0
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 2
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 5
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

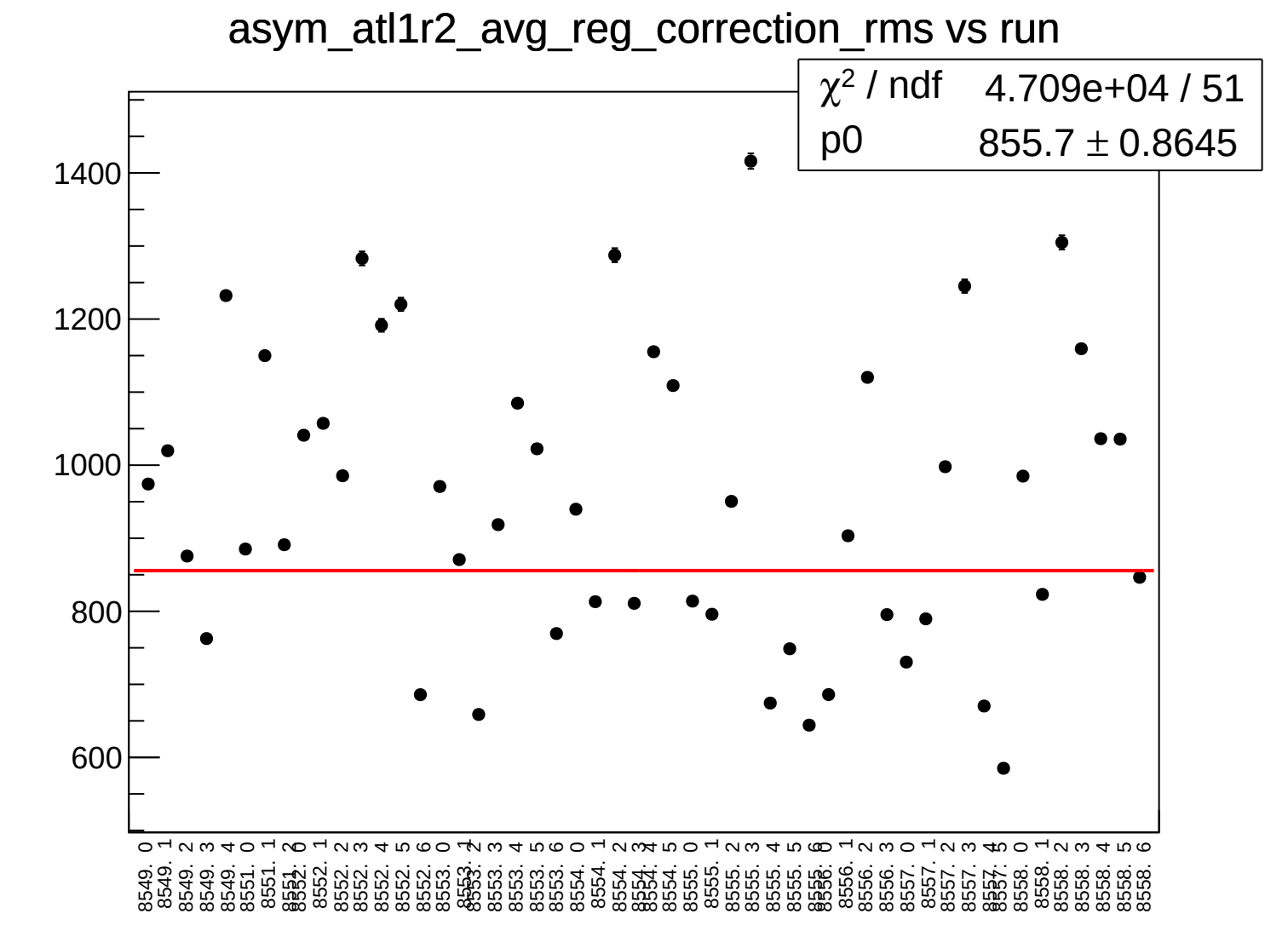

reg_asym_atl1r2_avg_mean vs run
×10^3
χ² / ndf 42.57 / 51
p0 1.428e+04 ± 2.938e+04
pull
Entries 52
Mean 438.1
Std Dev 0

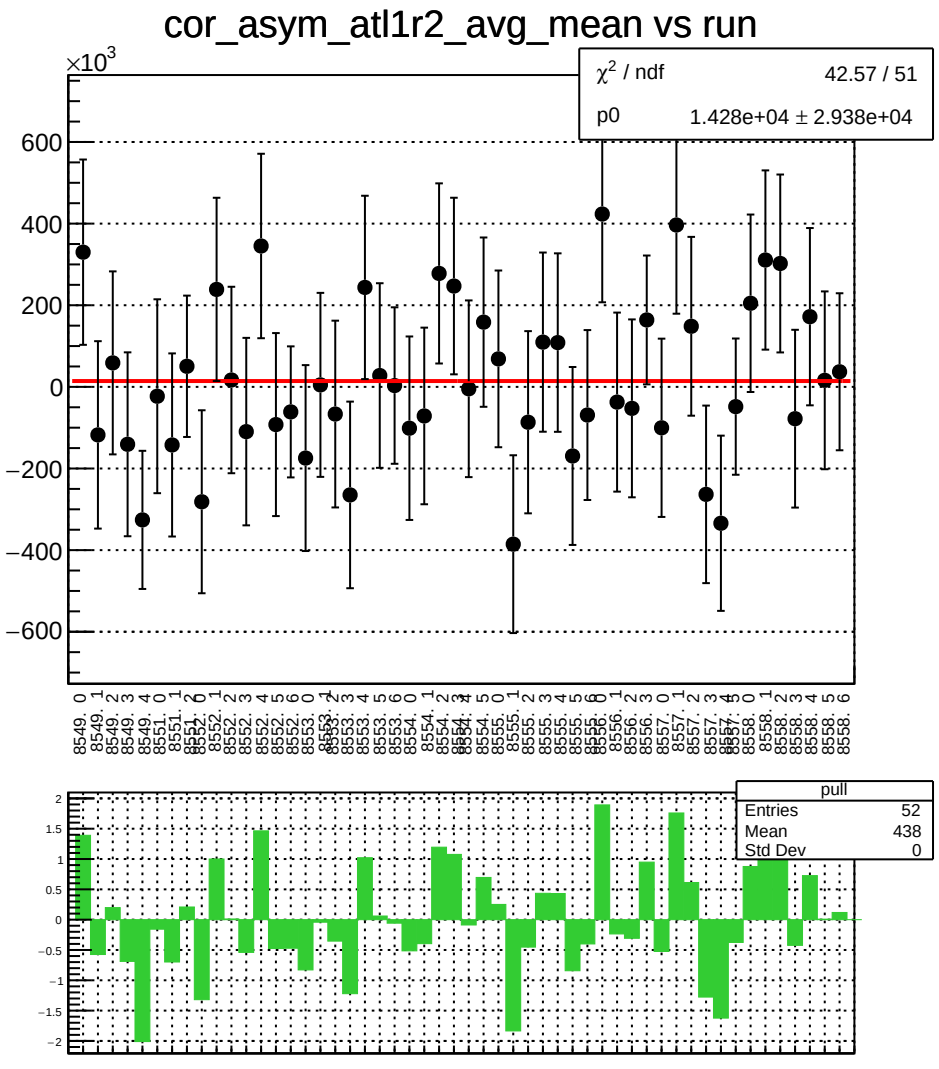

pull1D
Entries 52
Mean 0.006271
Std Dev 0.9048

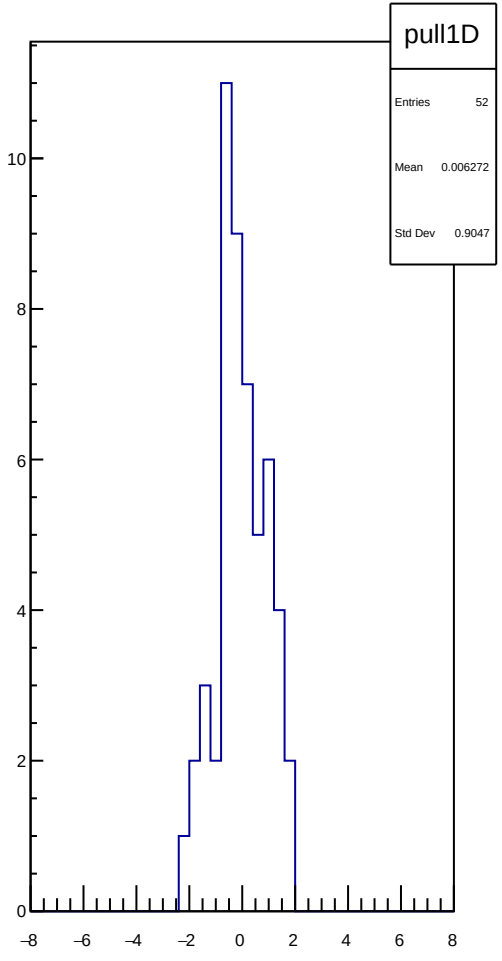

reg_asym_atl1r2_avg_rms vs run
χ² / ndf 474.6 / 51
p0 2.105e+04 ± 20.78
22500
22000
21500
21000
20500
20000
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

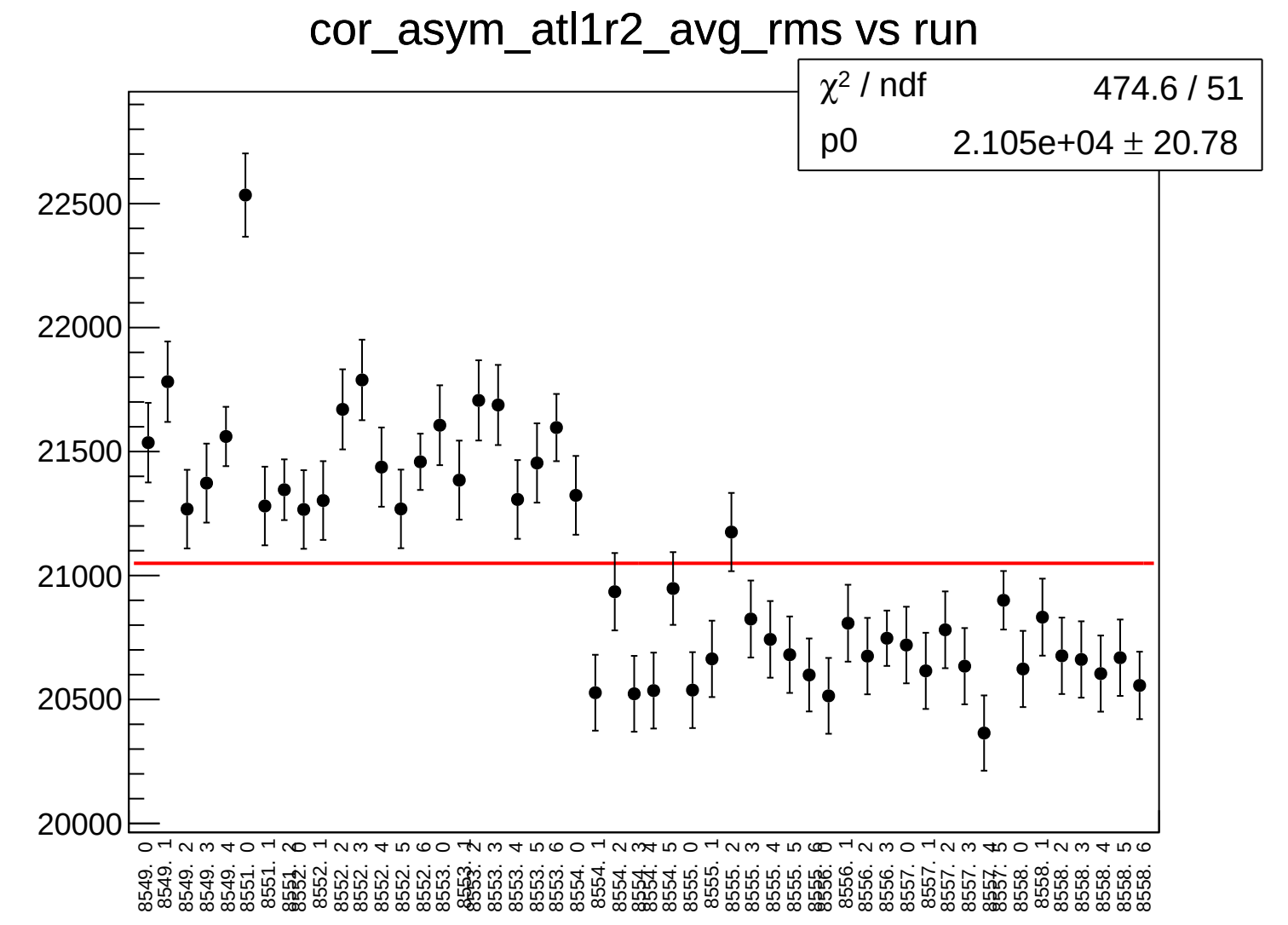

asym_atl1r2_avg_reg_correction_mean vs run
χ² / ndf 62.36 / 51
p0 1951 ± 1223
40000
20000
0
−20000
−40000
pull
Entries 52
Mean −2.032
Std Dev 0
3
2
1
0
−1
−2

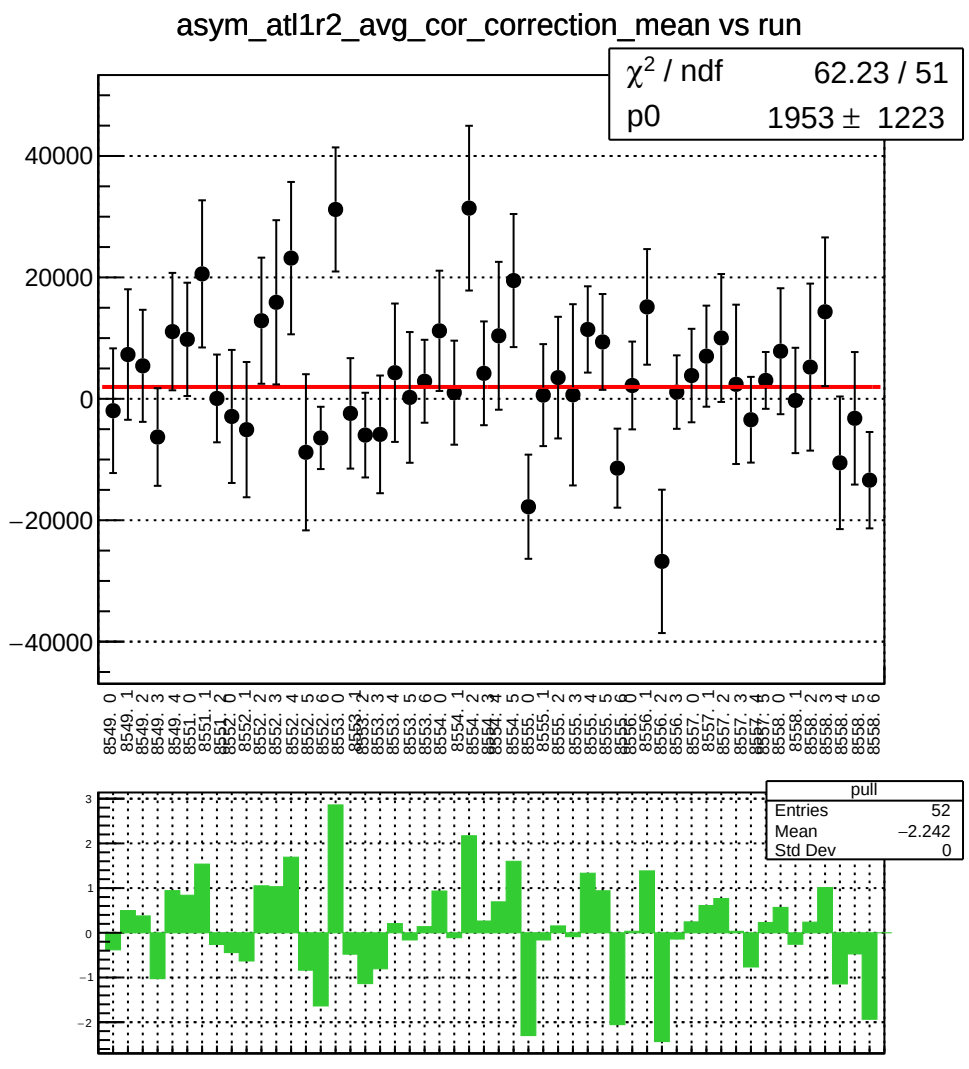

pull1D
Entries 52
Mean 0.09121
Std Dev 1.091
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

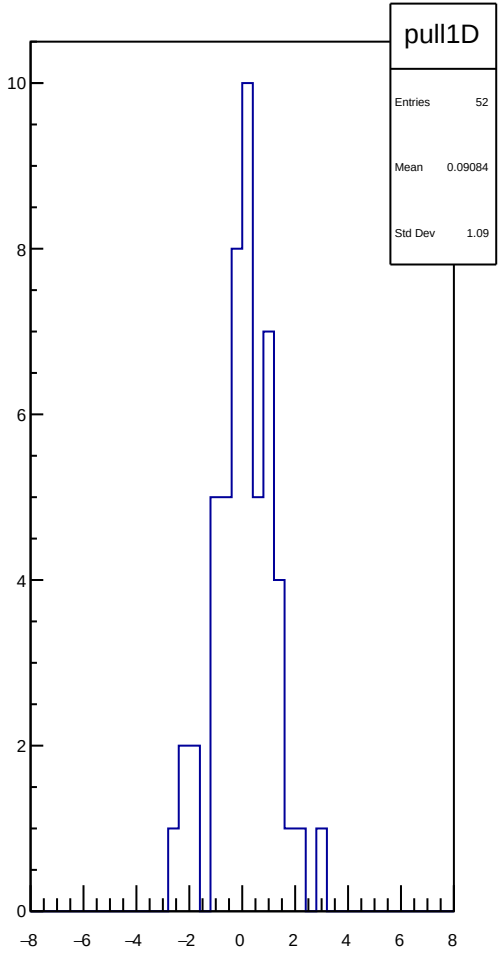

asym_atl1r2_avg_reg_correction_rms vs run
χ² / ndf 4.709e+04 / 51
p0 855.7 ± 0.8645
1400
1200
1000
800
600
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 5
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

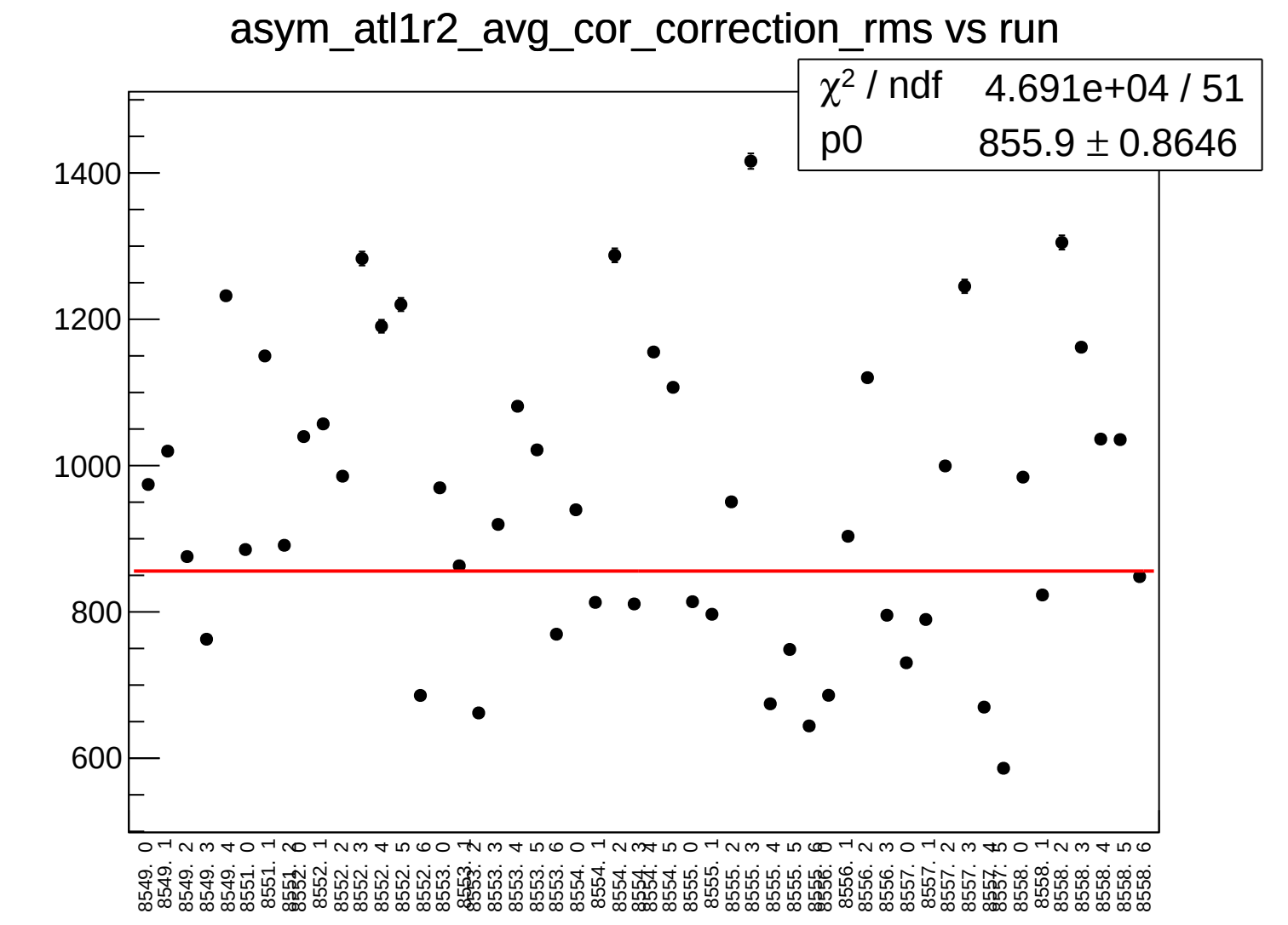

cor_asym_atl1r2_avg_mean vs run
×10^3
χ² / ndf 42.57 / 51
p0 1.428e+04 ± 2.938e+04
600
400
200
0
−200
−400
−600
pull
Entries 52
Mean 438
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2


pull1D
Entries 52
Mean 0.006272
Std Dev 0.9047
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


cor_asym_atl1r2_avg_rms vs run
χ² / ndf 474.6 / 51
p0 2.105e+04 ± 20.78
22500
22000
21500
21000
20500
20000
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6


asym_atl1r2_avg_cor_correction_mean vs run
χ² / ndf 62.23 / 51
p0 1953 ± 1223
40000
20000
0
−20000
−40000
pull
Entries 52
Mean −2.242
Std Dev 0
3
2
1
0
−1
−2


pull1D
Entries 52
Mean 0.09084
Std Dev 1.09
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


asym_atl1r2_avg_cor_correction_rms vs run
χ² / ndf 4.691e+04 / 51
p0 855.9 ± 0.8646
1400
1200
1000
800
600
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
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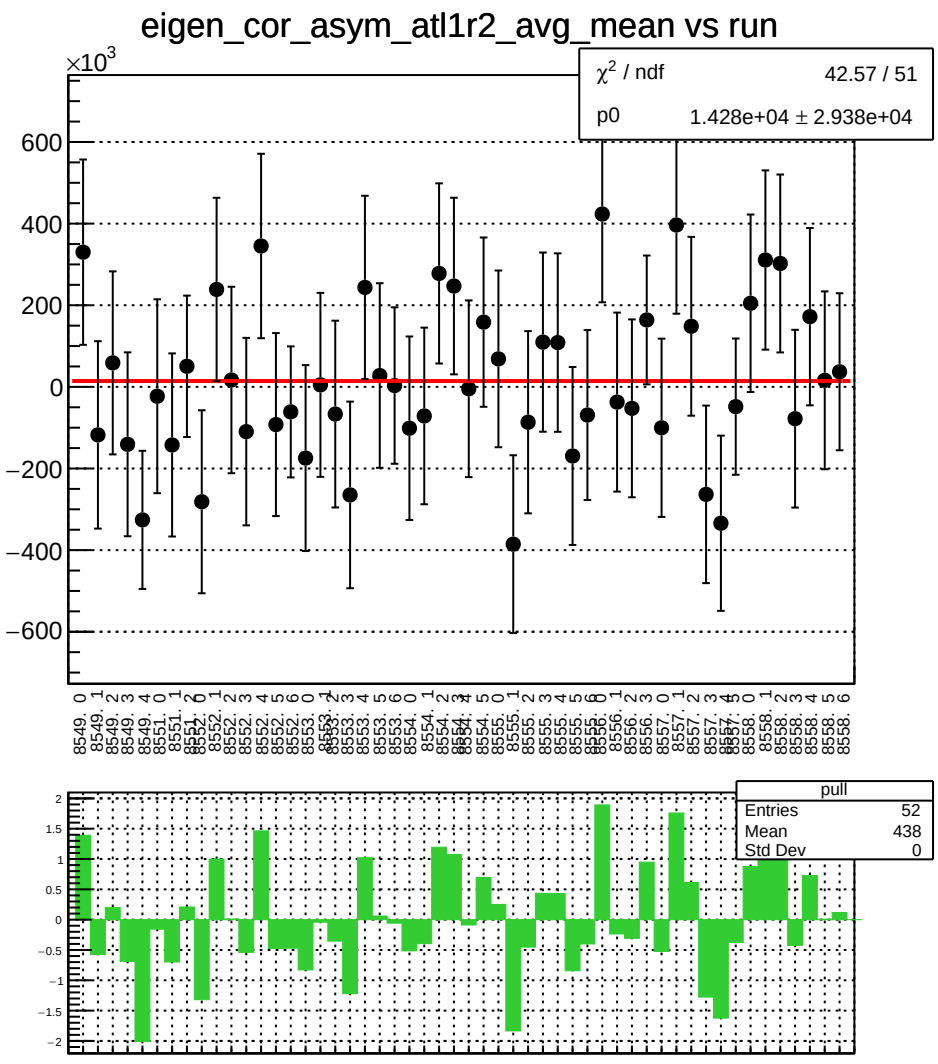
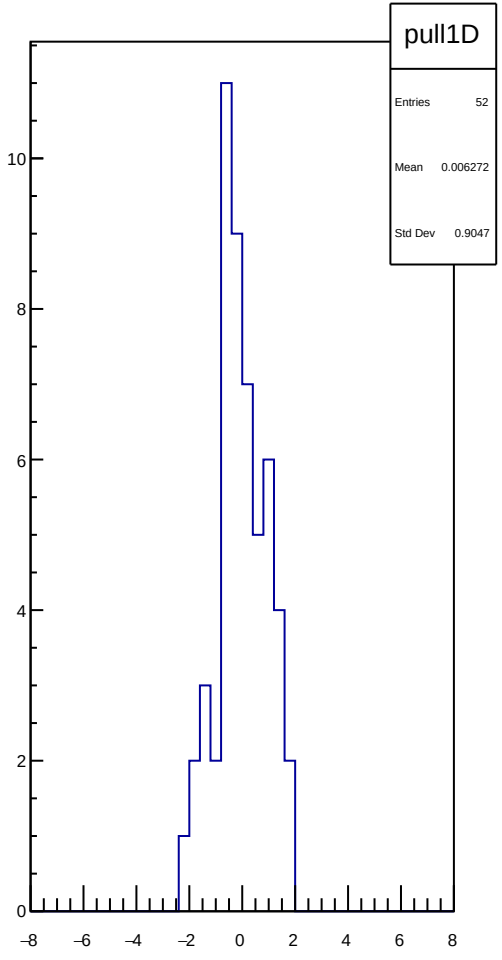
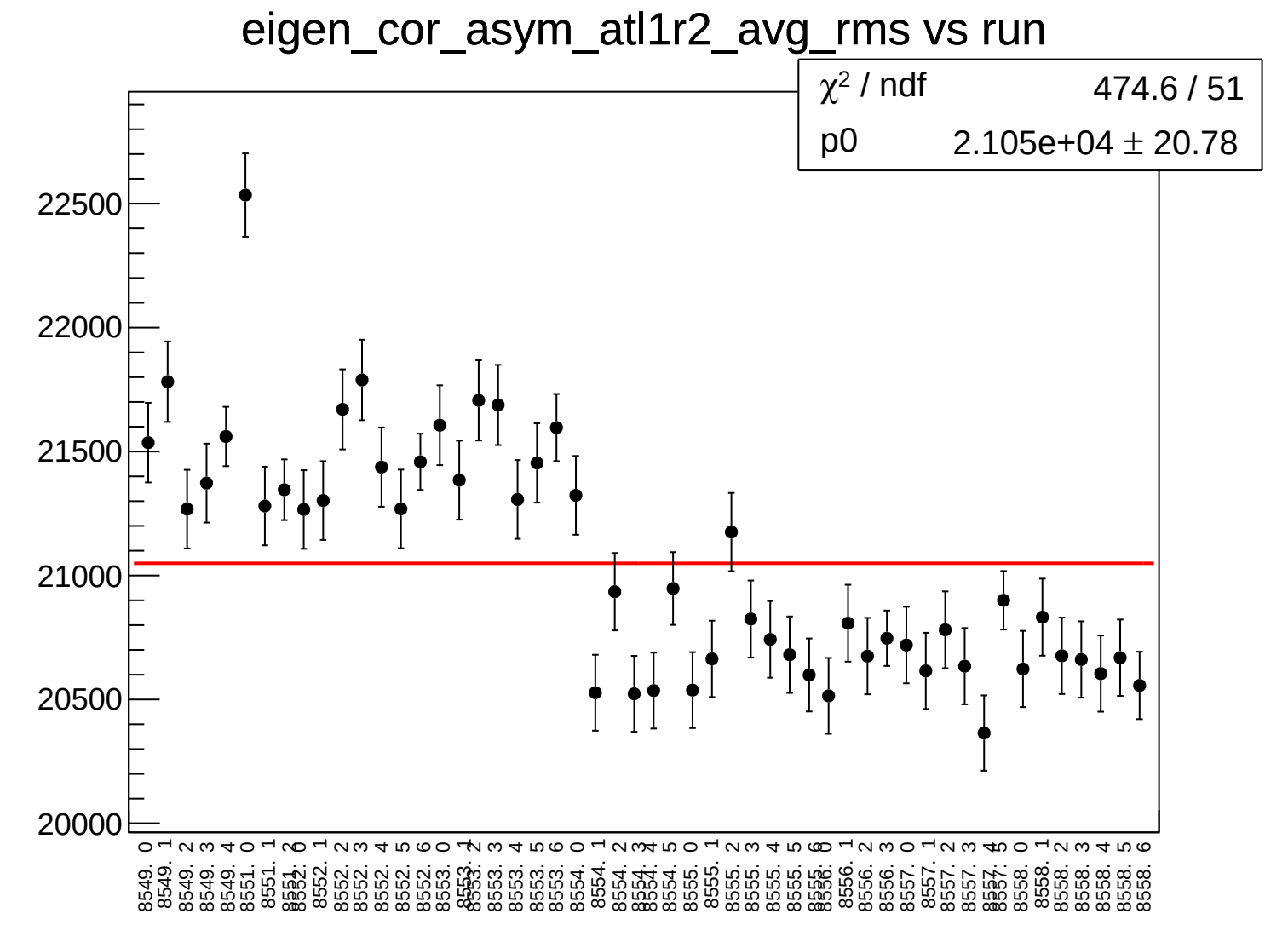
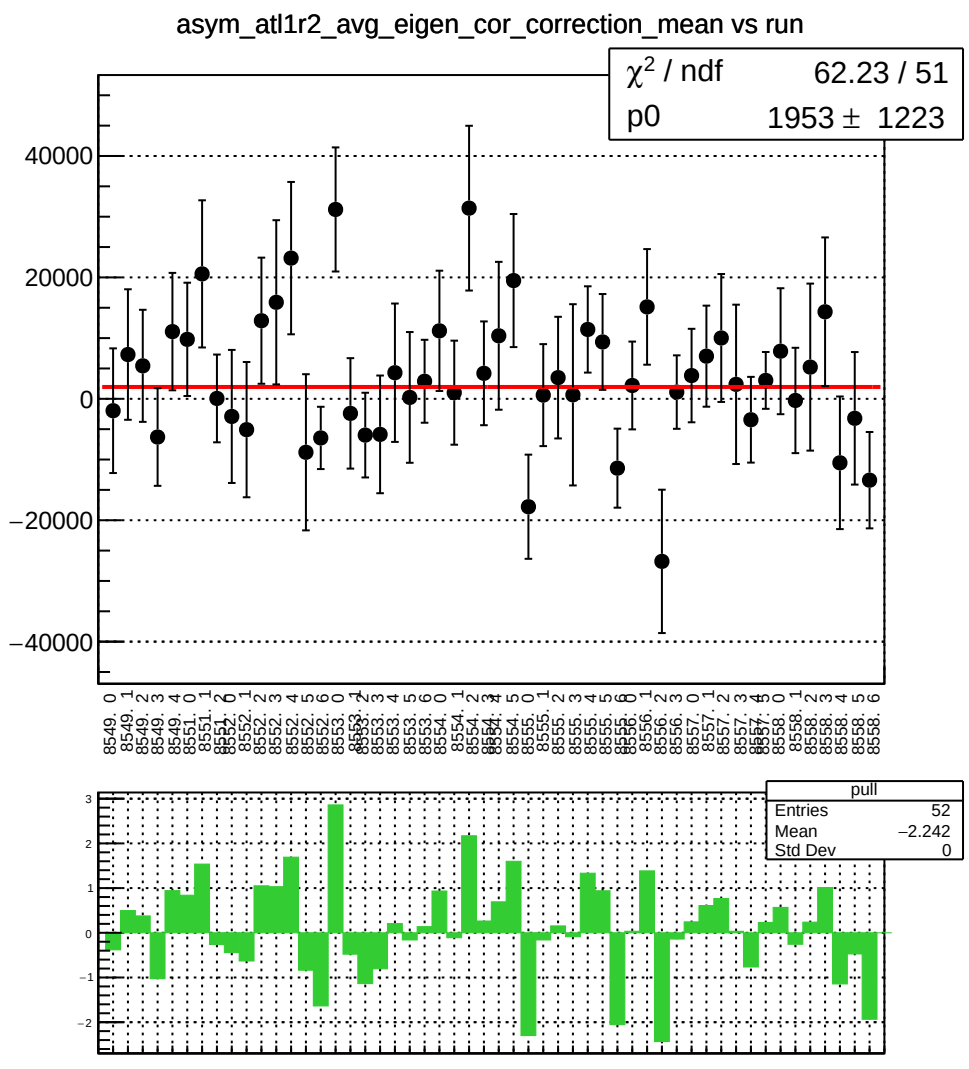
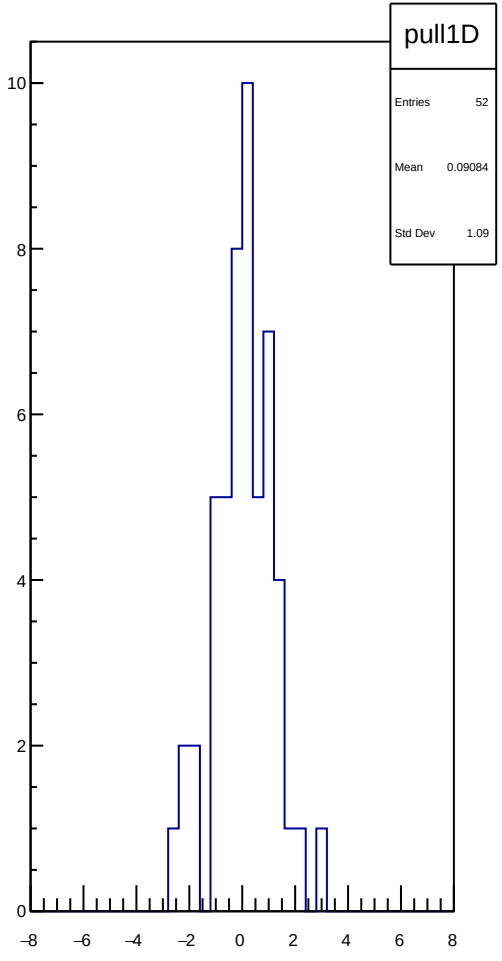
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

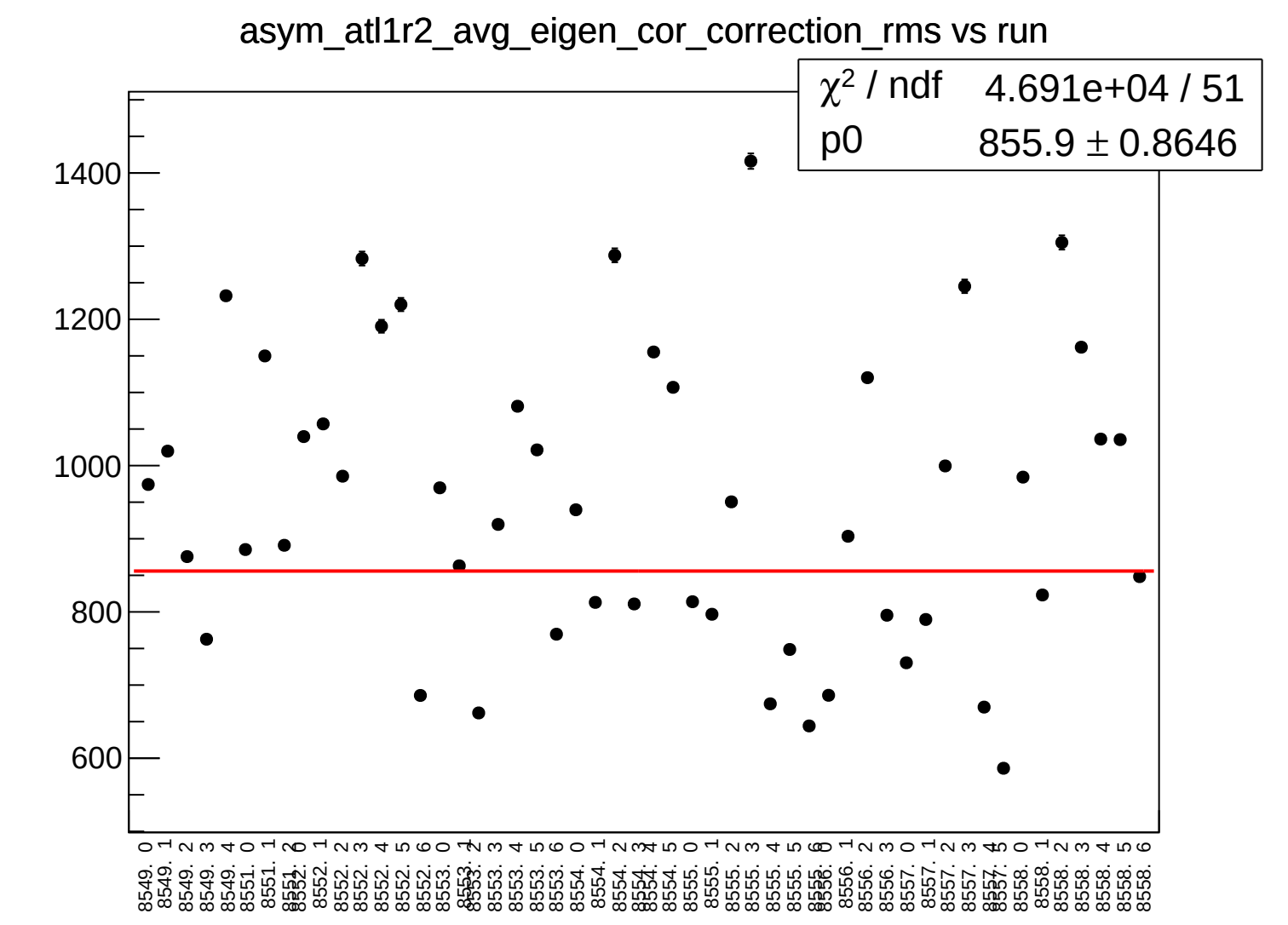

eigen_cor_asym_atl1r2_avg_mean vs run
×10^3
χ² / ndf 42.57 / 51
p0 1.428e+04 ± 2.938e+04
600
400
200
0
−200
−400
−600
pull
Entries 52
Mean 438
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

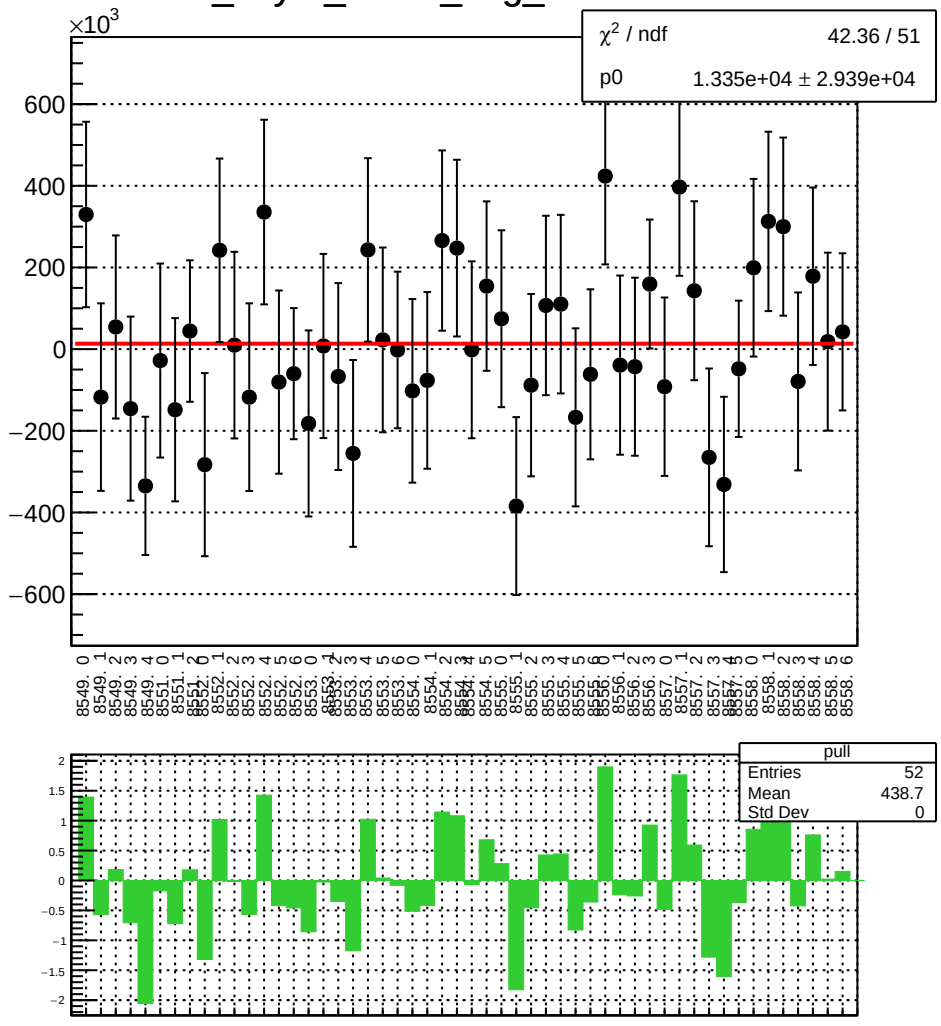

pull1D
Entries 52
Mean 0.006272
Std Dev 0.9047
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

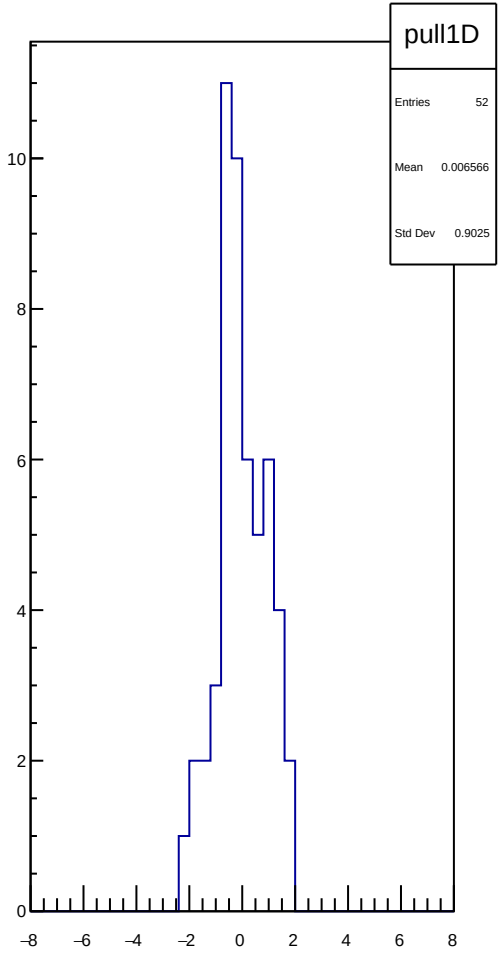

eigen_cor_asym_atl1r2_avg_rms vs run
χ² / ndf 474.6 / 51
p0 2.105e+04 ± 20.78
22500
22000
21500
21000
20500
20000
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

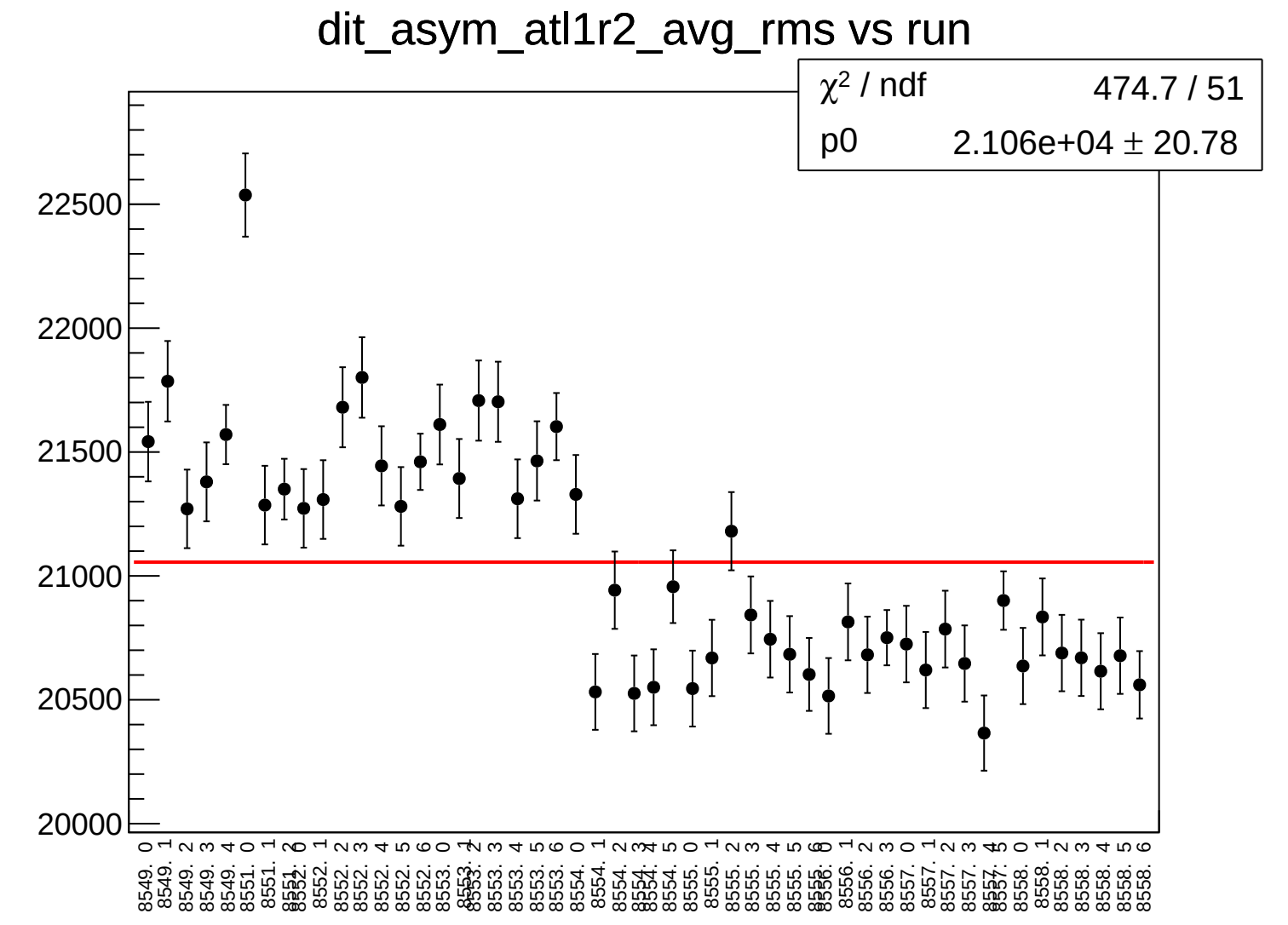

asym_atl1r2_avg_eigen_cor_correction_mean vs run
χ² / ndf 62.23 / 51
p0 1953 ± 1223
40000
20000
0
−20000
−40000
pull
Entries 52
Mean −2.242
Std Dev 0
3
2
1
0
−1
−2

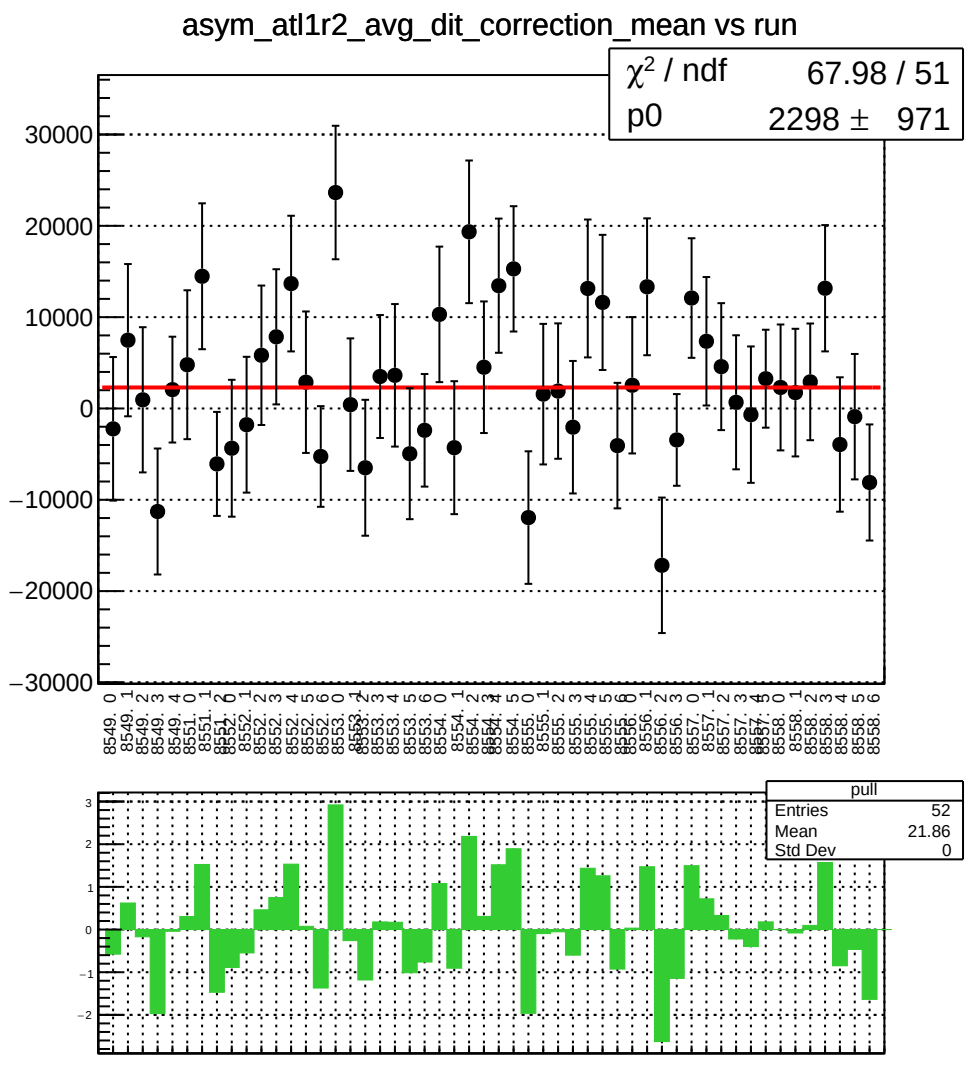

pull1D
Entries 52
Mean 0.09084
Std Dev 1.09
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

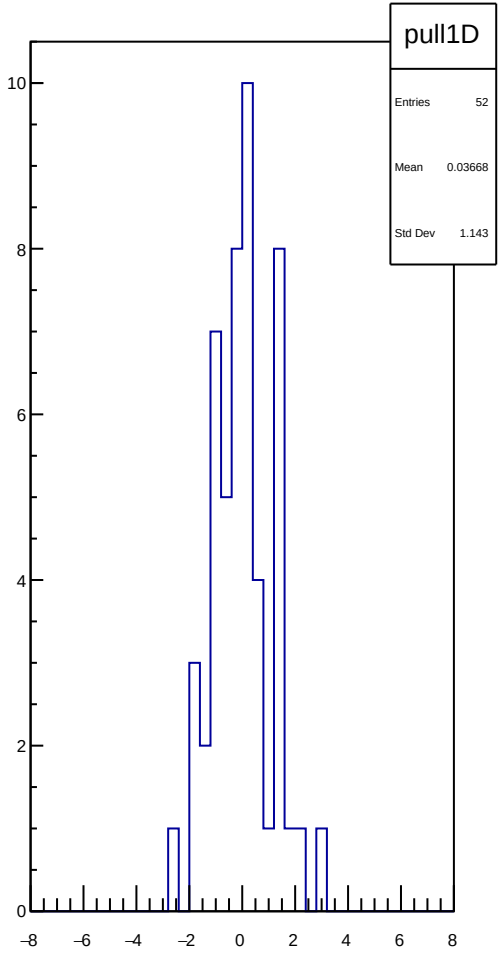

asym_atl1r2_avg_eigen_cor_correction_rms vs run
χ² / ndf 4.691e+04 / 51
p0 855.9 ± 0.8646
1400
1200
1000
800
600
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

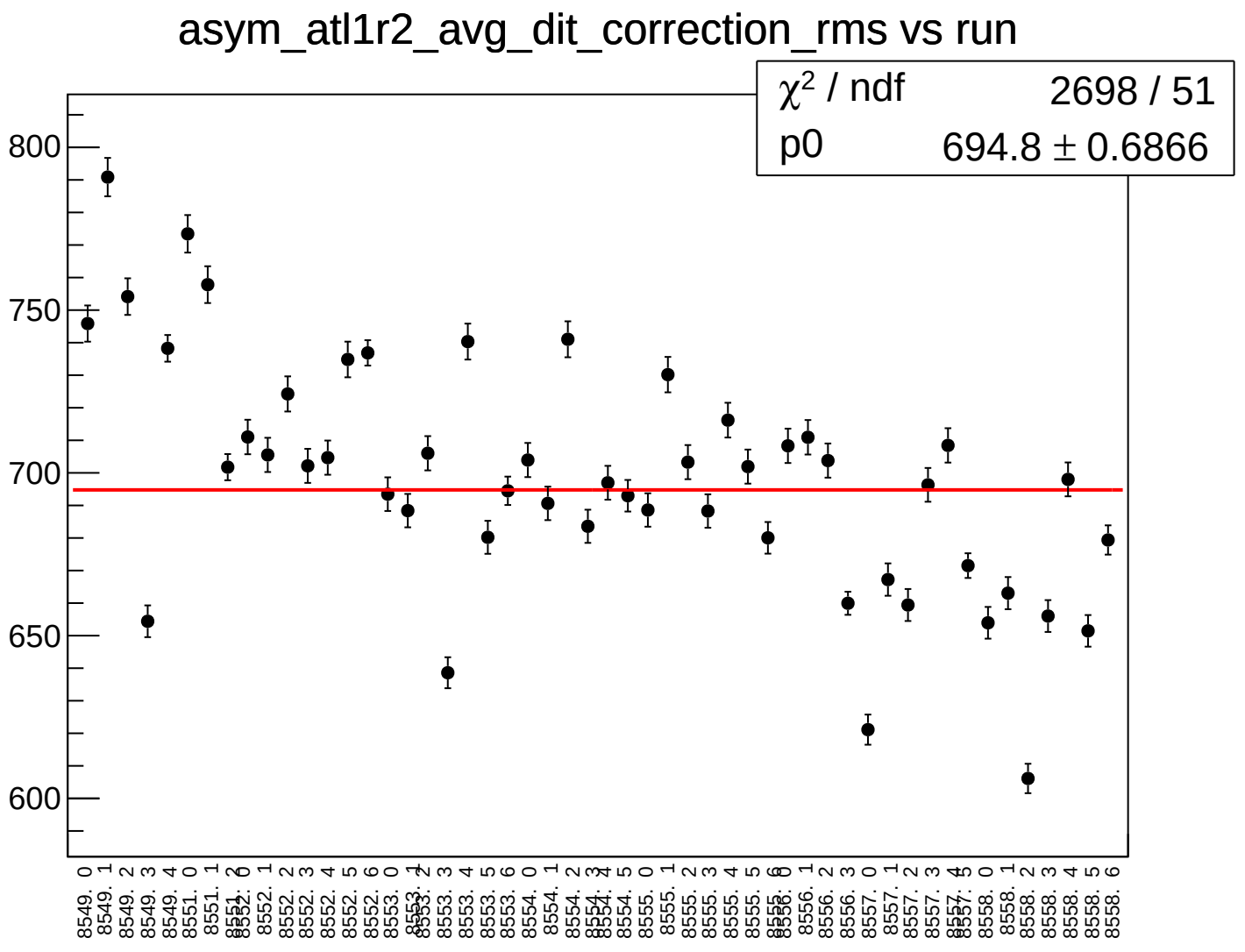

dit_asym_atl1r2_avg_mean vs run
×10^3
χ² / ndf 42.36 / 51
p0 1.335e+04 ± 2.939e+04
pull
Entries 52
Mean 438.7
Std Dev 0

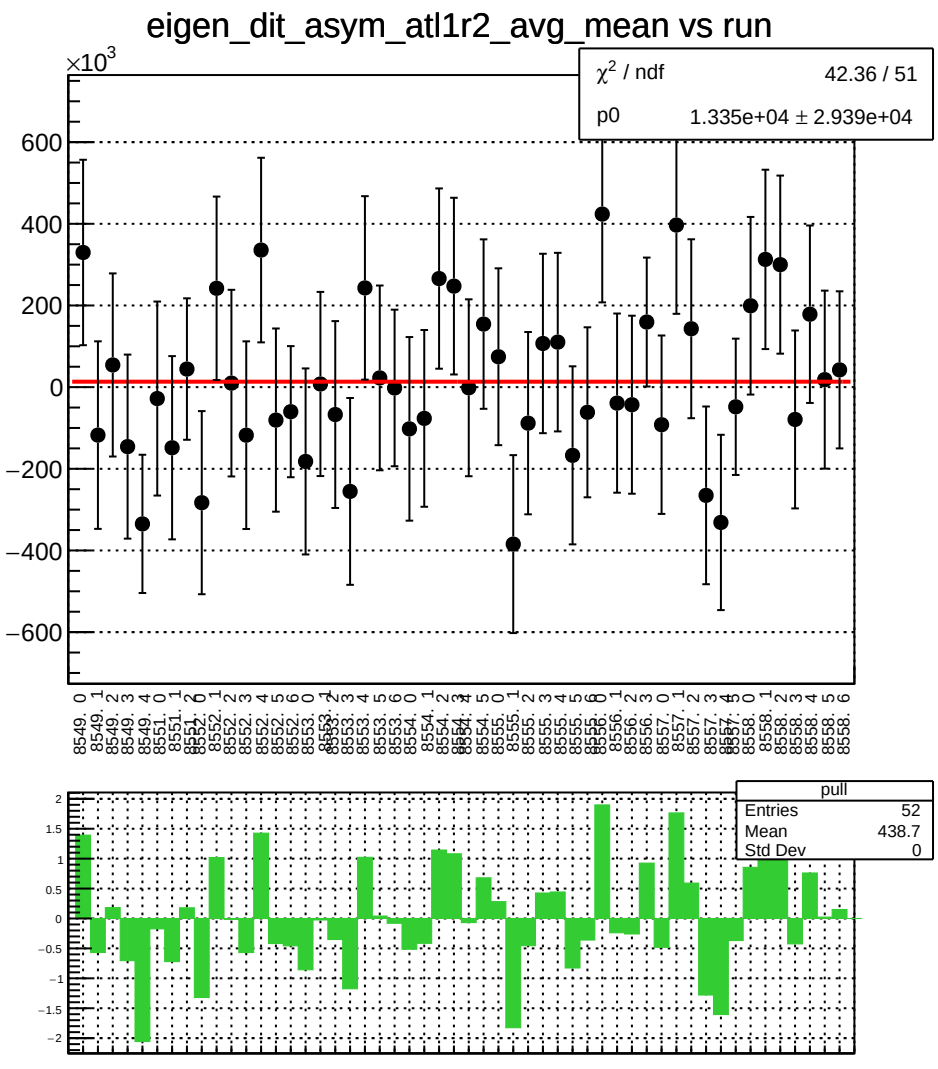

pull1D
Entries 52
Mean 0.006566
Std Dev 0.9025

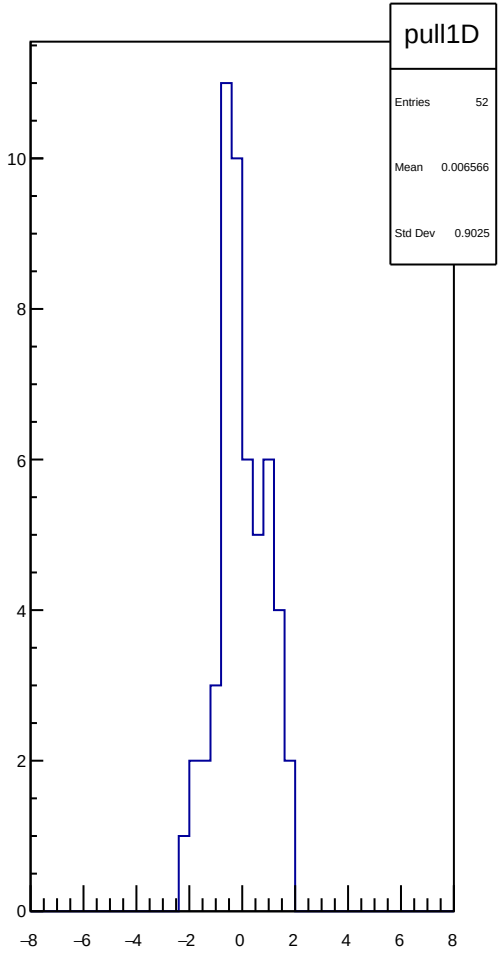

dit_asym_atl1r2_avg_rms vs run
χ² / ndf 474.7 / 51
p0 2.106e+04 ± 20.78
22500
22000
21500
21000
20500
20000
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

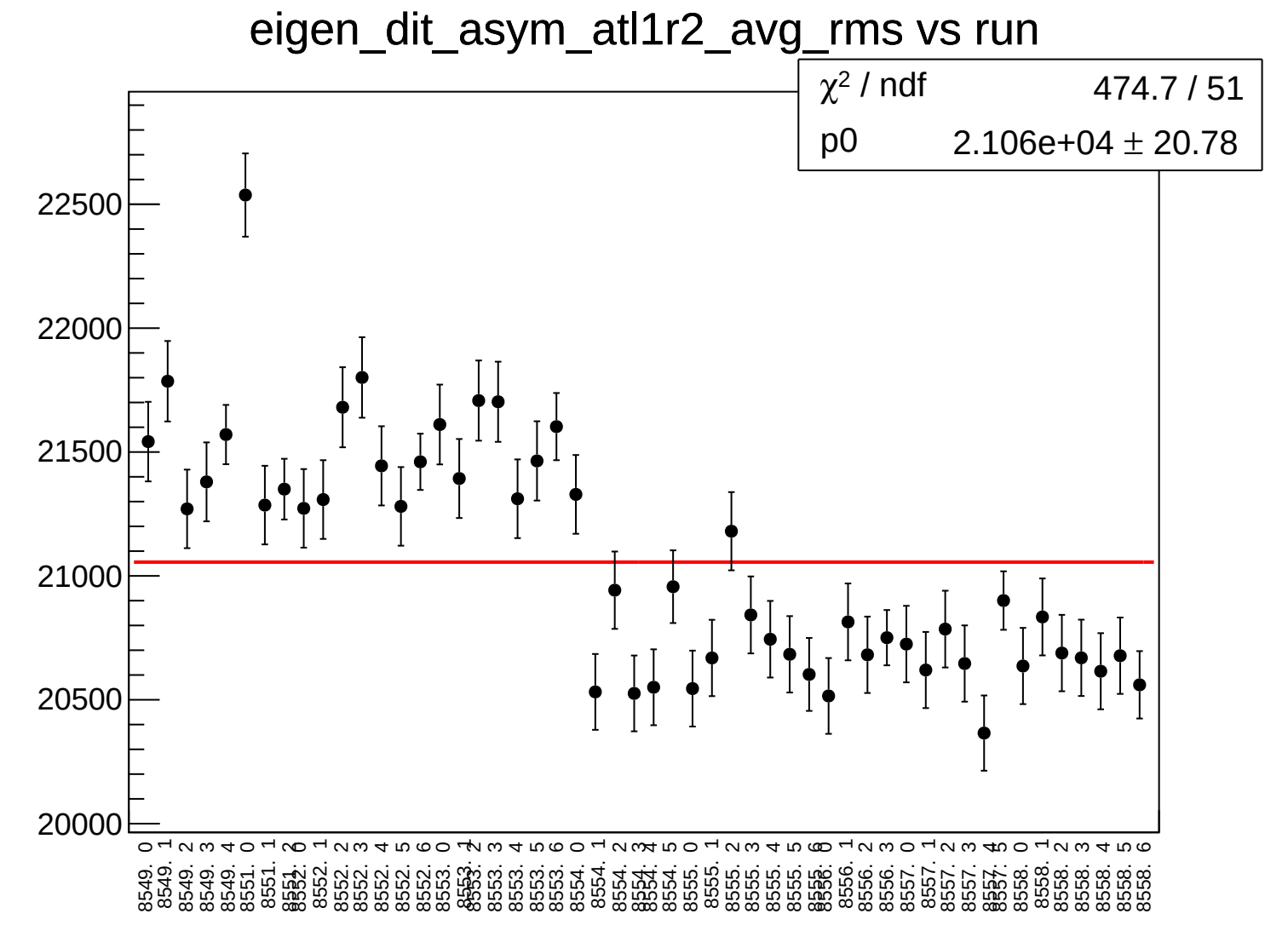

asym_atl1r2_avg_dit_correction_mean vs run
χ² / ndf 67.98 / 51
p0 2298 ± 971
pull
Entries 52
Mean 21.86
Std Dev 0

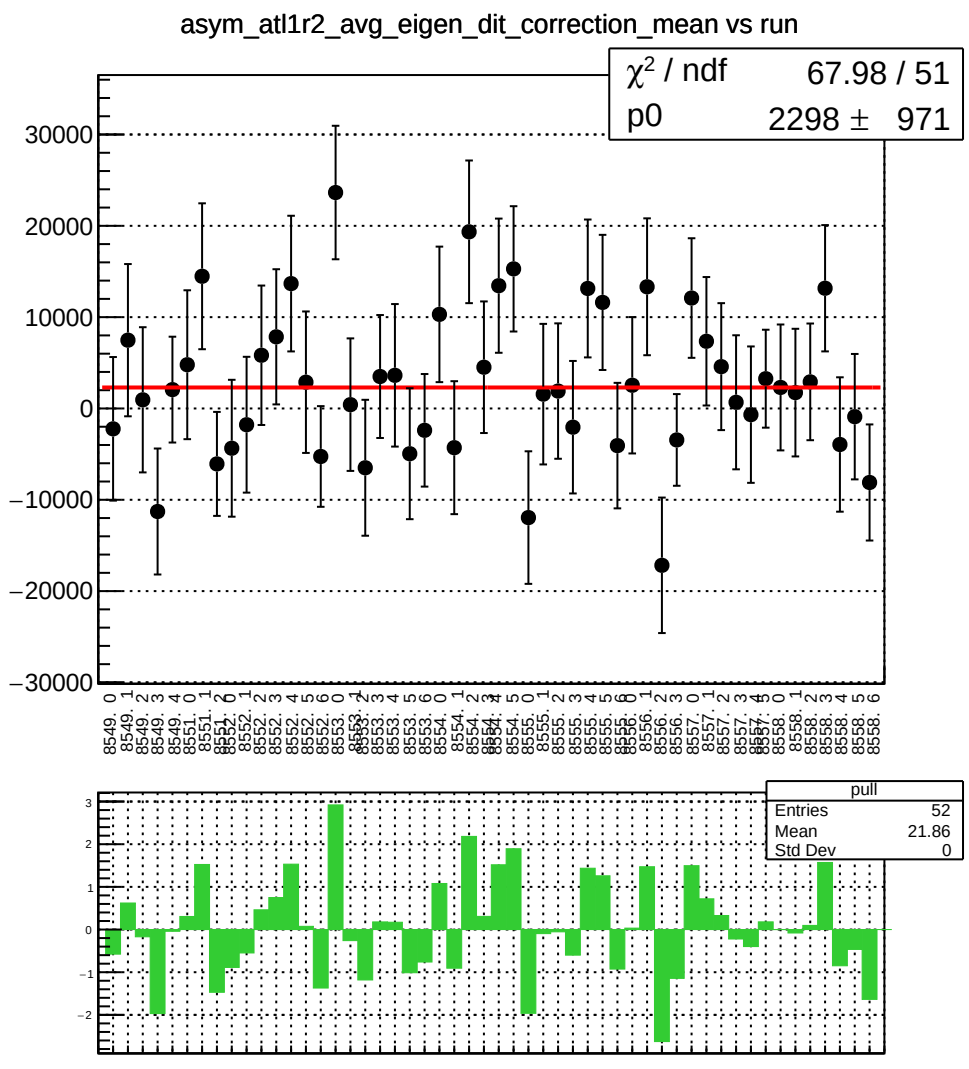

pull1D
Entries 52
Mean 0.03668
Std Dev 1.143

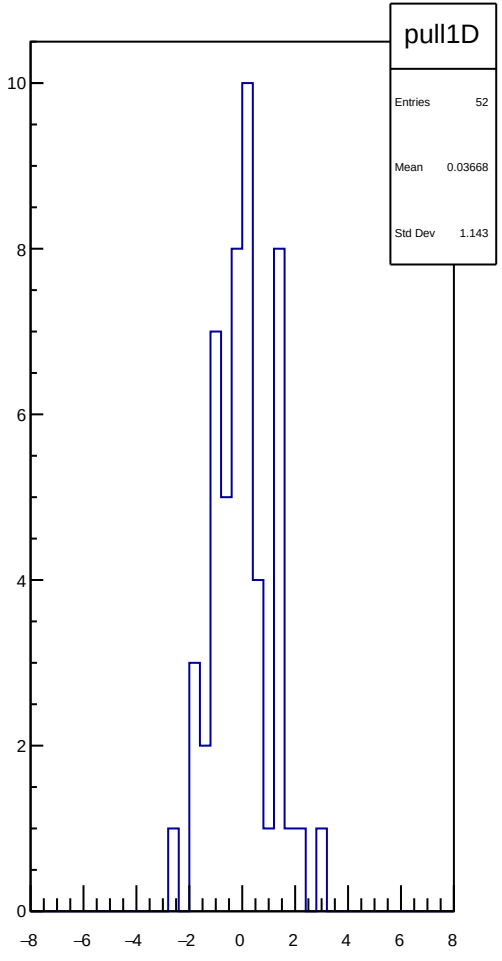

asym_atl1r2_avg_dit_correction_rms vs run
χ² / ndf 2698 / 51
p0 694.8 ± 0.6866
800
750
700
650
600
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

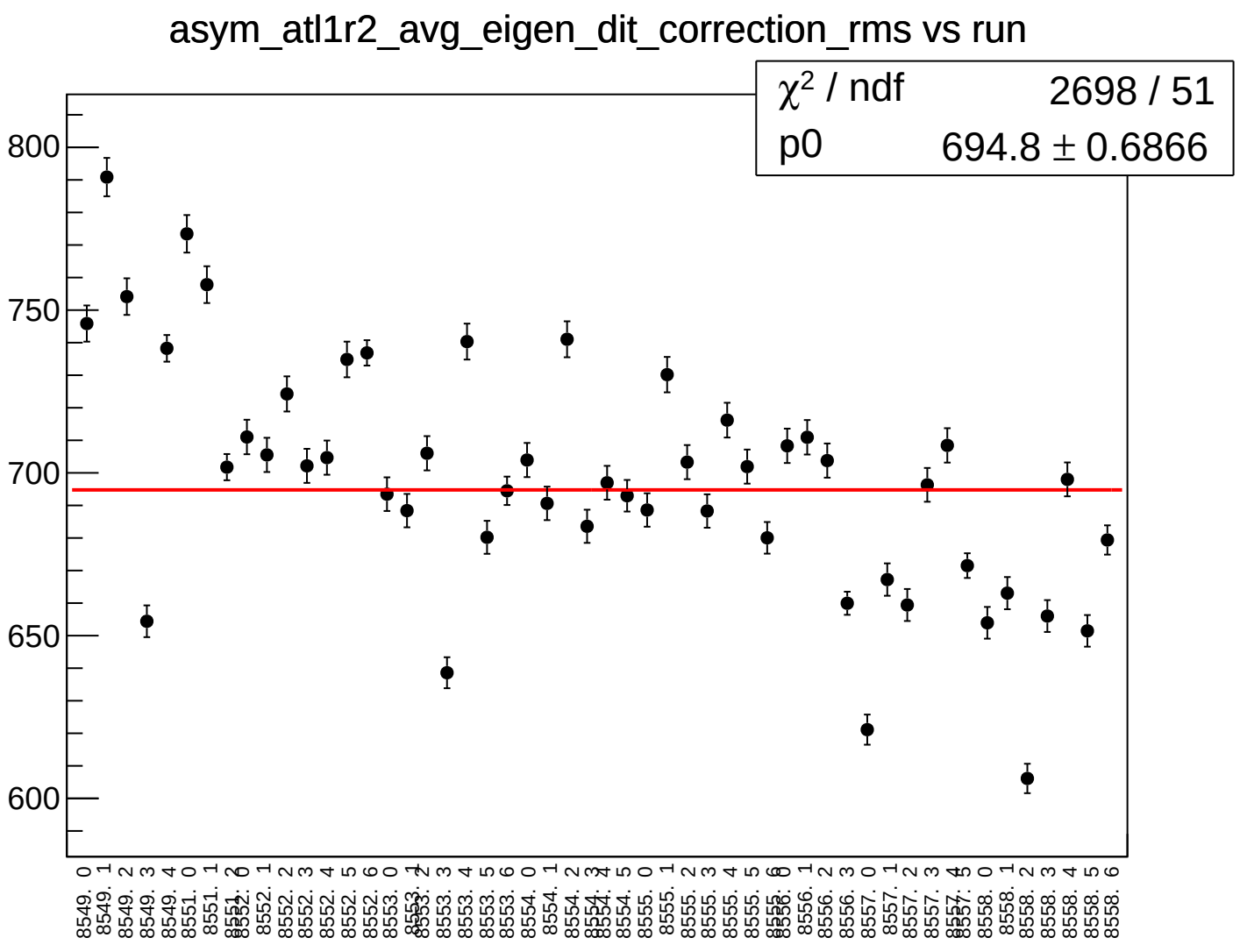

eigen_dit_asym_atl1r2_avg_mean vs run
×10^3
χ² / ndf 42.36 / 51
p0 1.335e+04 ± 2.939e+04
600
400
200
0
−200
−400
−600
pull
Entries 52
Mean 438.7
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

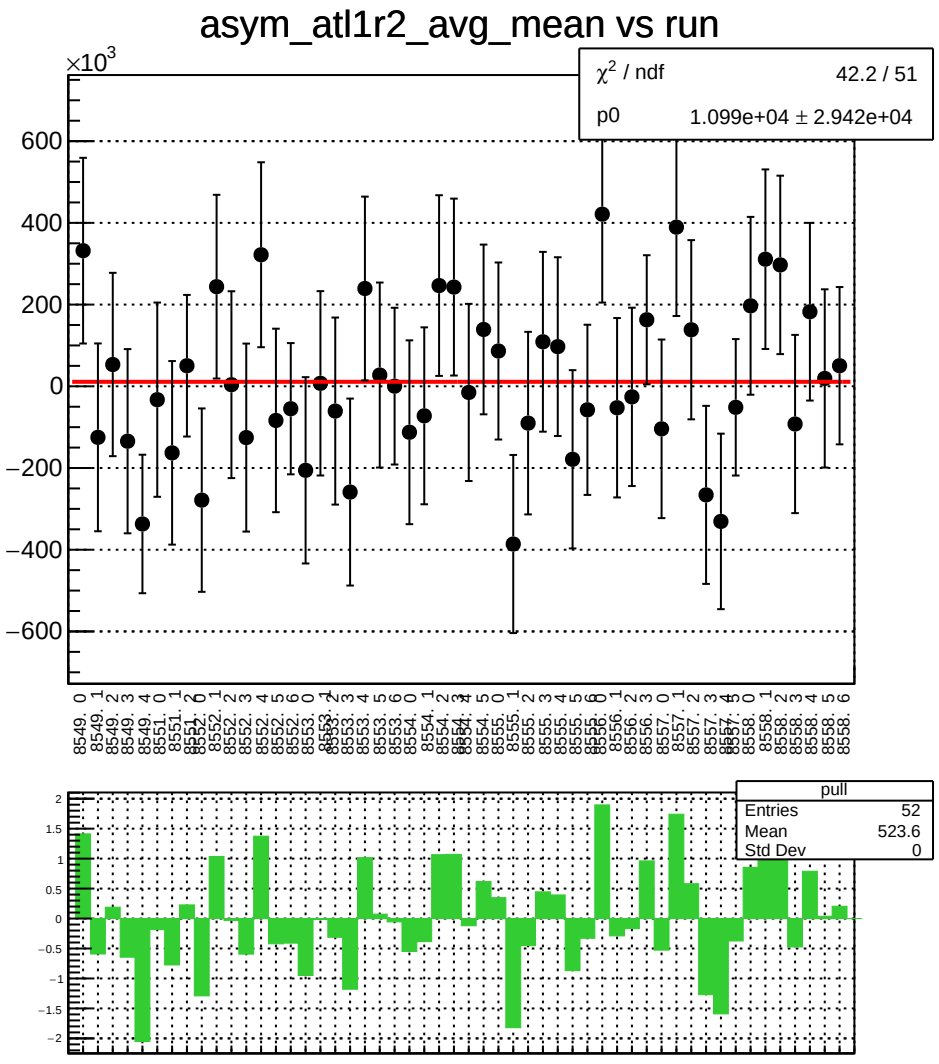

pull1D
Entries 52
Mean 0.006566
Std Dev 0.9025
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

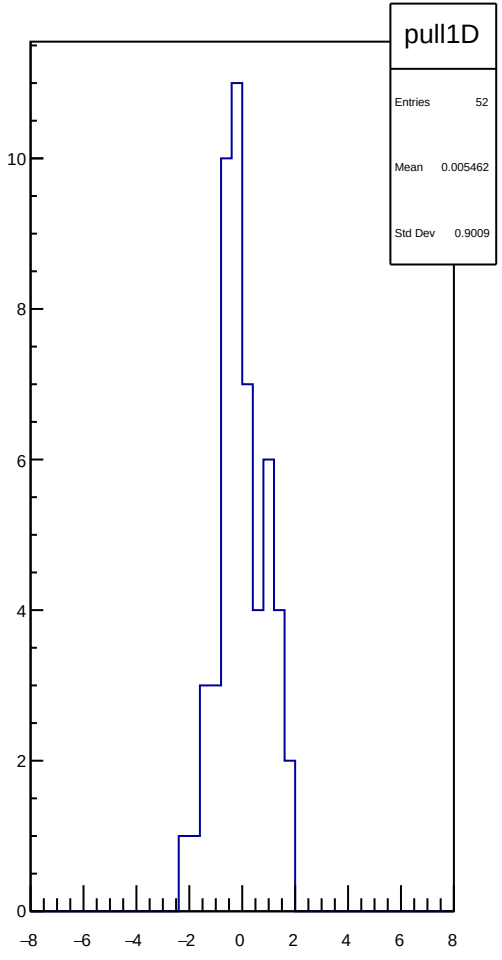

eigen_dit_asym_atl1r2_avg_rms vs run
χ² / ndf 474.7 / 51
p0 2.106e+04 ± 20.78
22500
22000
21500
21000
20500
20000
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

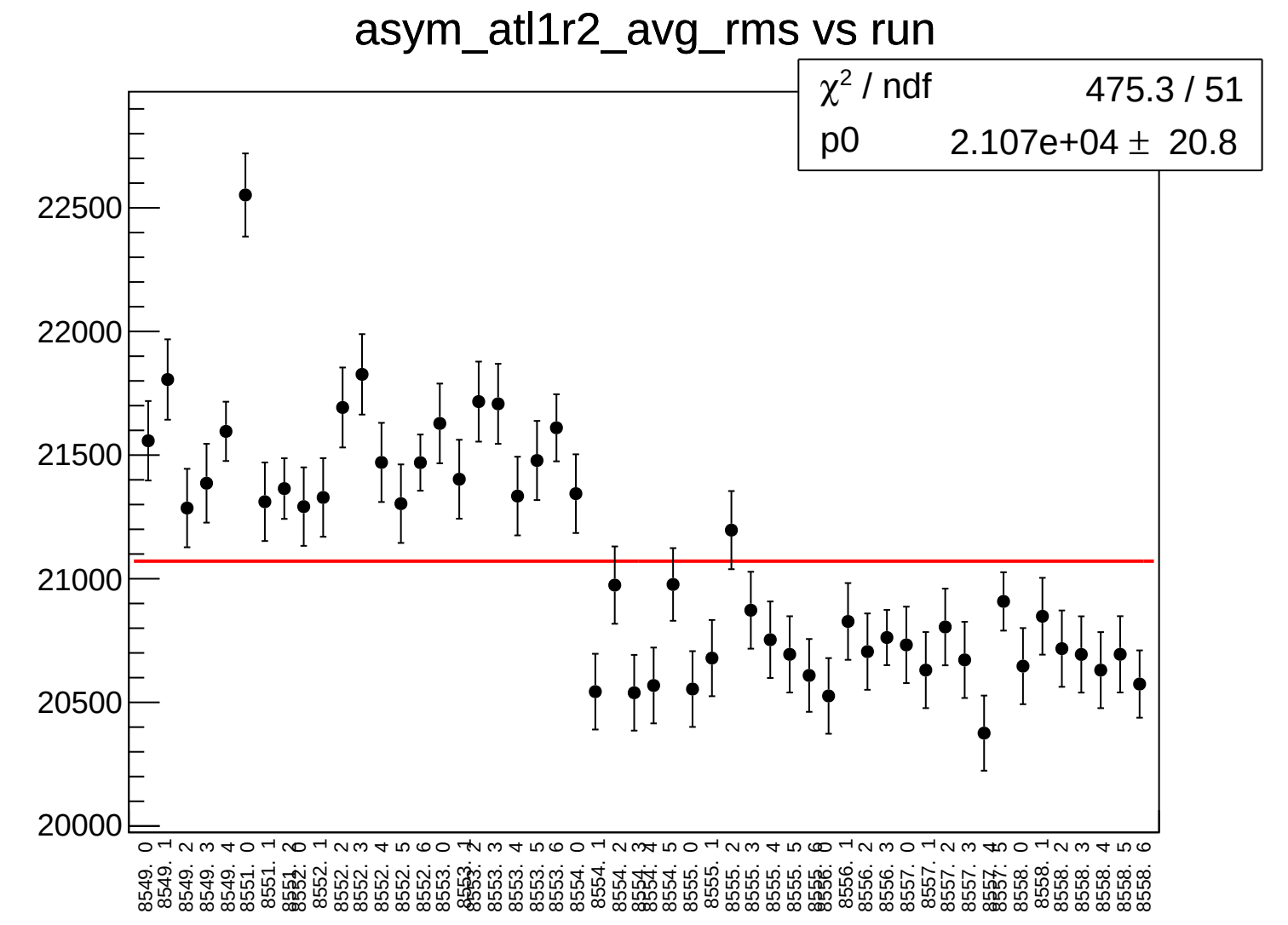

asym_atl1r2_avg_eigen_dit_correction_mean vs run
χ² / ndf 67.98 / 51
p0 2298 ± 971
pull
Entries 52
Mean 21.86
Std Dev 0

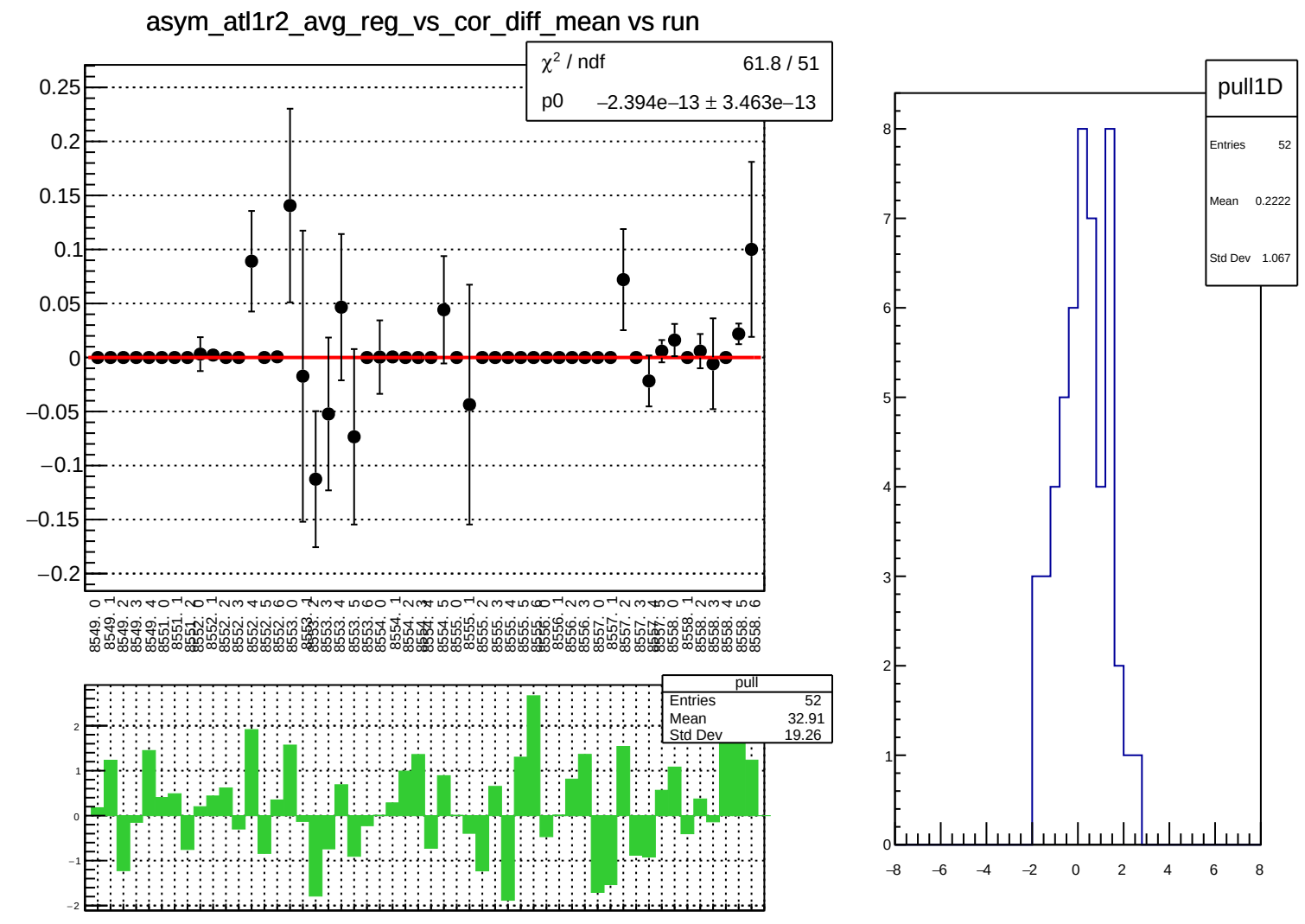

pull1D
Entries 52
Mean 0.03668
Std Dev 1.143

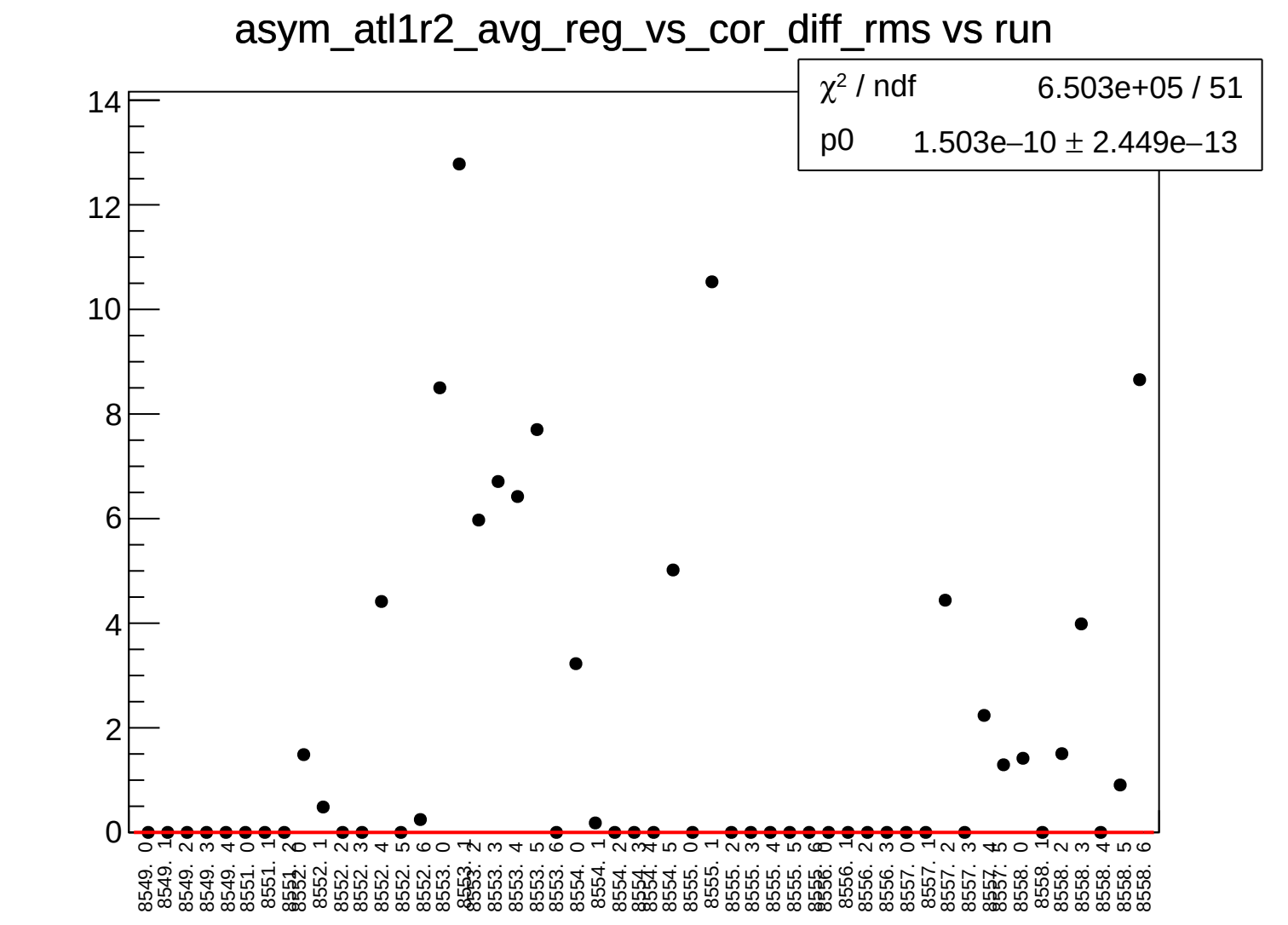

asym_atl1r2_avg_eigen_dit_correction_rms vs run
χ² / ndf 2698 / 51
p0 694.8 ± 0.6866
800
750
700
650
600
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6


asym_atl1r2_avg_mean vs run
×10^3
χ² / ndf 42.2 / 51
p0 1.099e+04 ± 2.942e+04
600
400
200
0
−200
−400
−600
pull
Entries 52
Mean 523.6
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2


pull1D
Entries 52
Mean 0.005462
Std Dev 0.9009
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


asym_atl1r2_avg_rms vs run
χ² / ndf 475.3 / 51
p0 2.107e+04 ± 20.8
22500
22000
21500
21000
20500
20000
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 5
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6


asym_atl1r2_avg_reg_vs_cor_diff_mean vs run
χ² / ndf 61.8 / 51
p0 −2.394e−13 ± 3.463e−13
pull
Entries 52
Mean 32.91
Std Dev 19.26
pull1D
Entries 52
Mean 0.2222
Std Dev 1.067


asym_atl1r2_avg_reg_vs_cor_diff_rms vs run
χ² / ndf 6.503e+05 / 51
p0 1.503e−10 ± 2.449e−13
14
12
10
8
6
4
2
0
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 0
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 1
8553. 2
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 3
8554. 4
8554. 5
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8555. 6
8556. 0
8556. 1
8556. 2
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8557. 0
8557. 1
8557. 2
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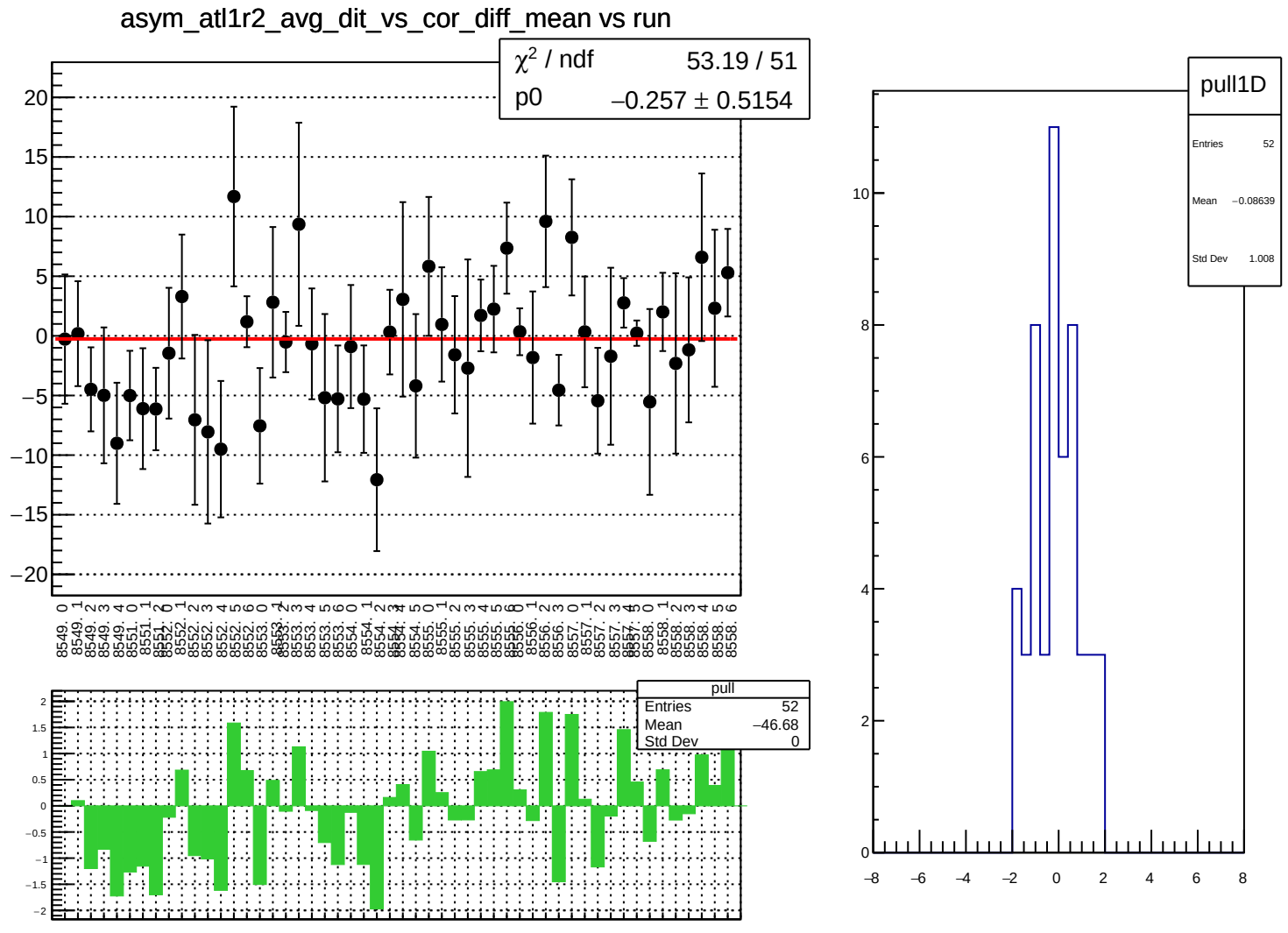
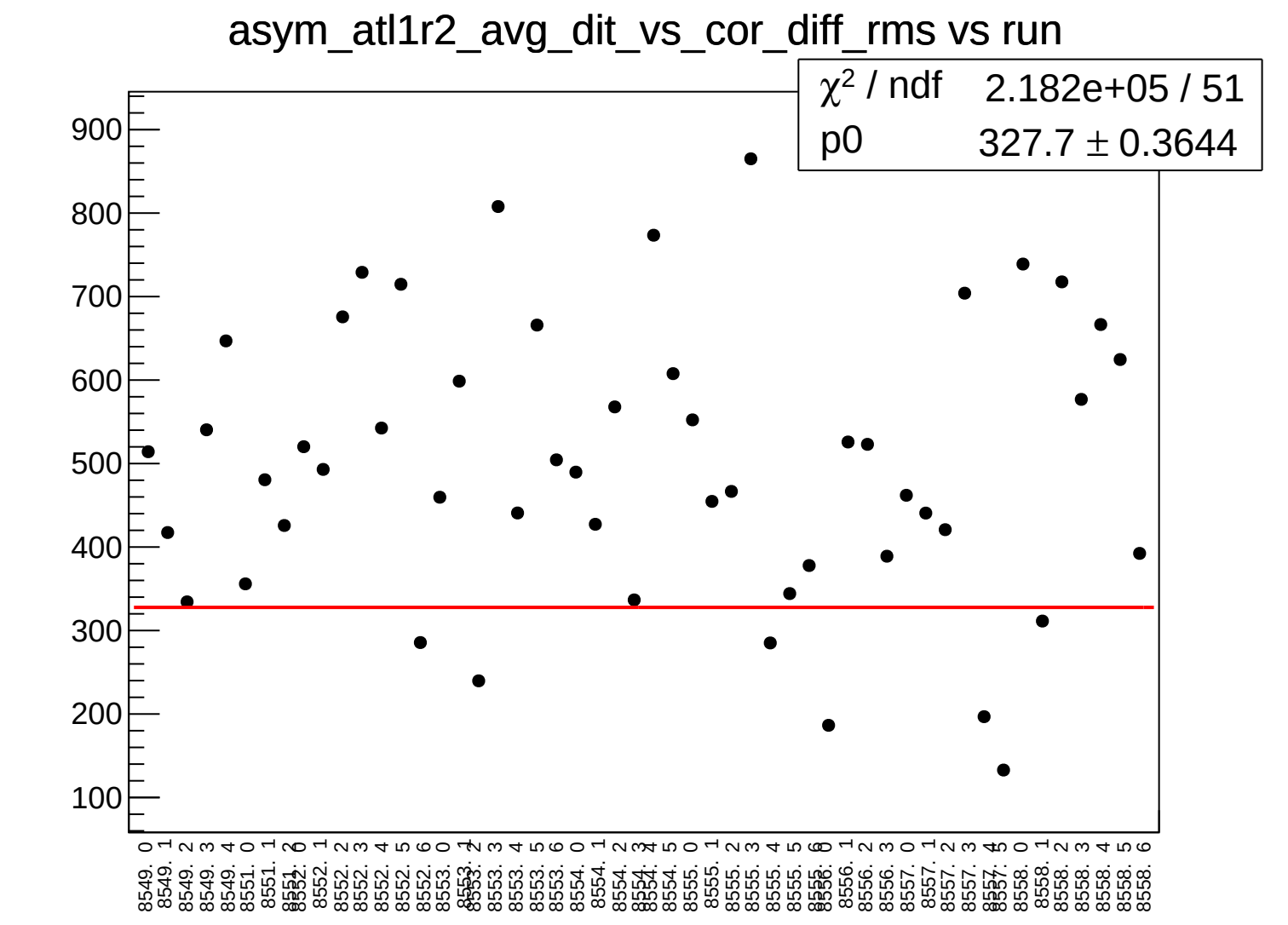
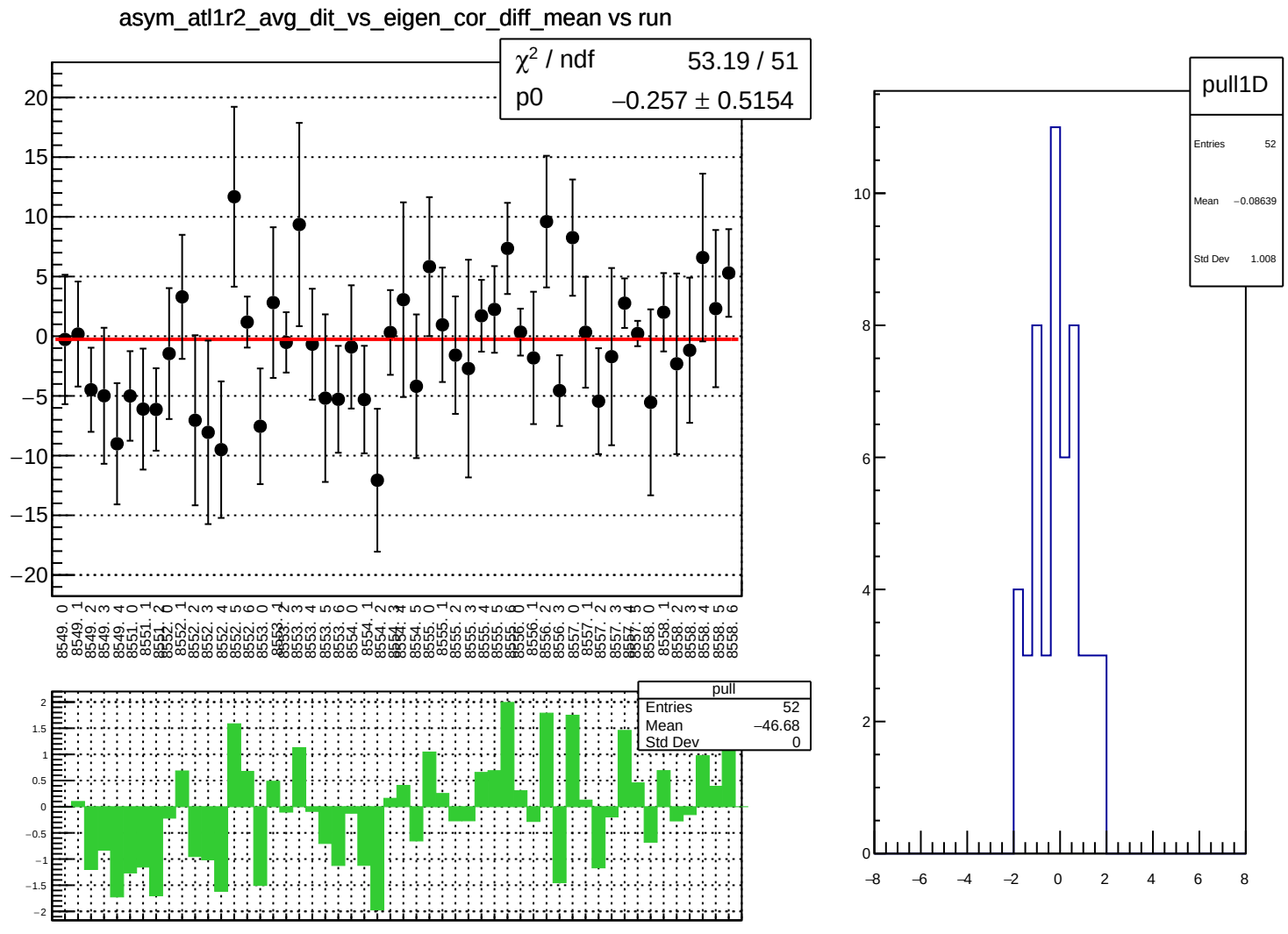
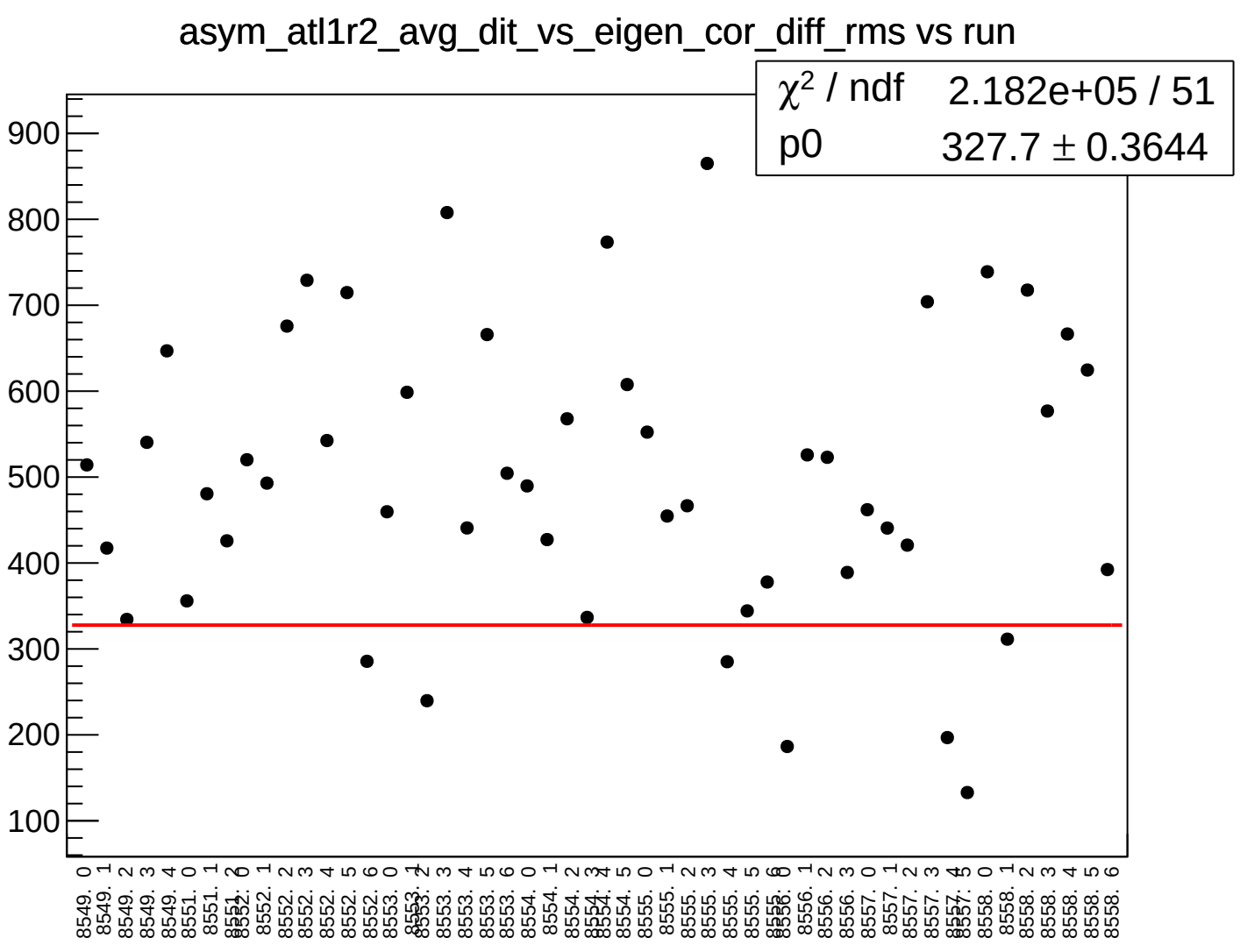
8557. 5
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6


asym_atl1r2_avg_dit_vs_cor_diff_mean vs run
χ² / ndf 53.19 / 51
p0 −0.257 ± 0.5154
pull
Entries 52
Mean −46.68
Std Dev 0
pull1D
Entries 52
Mean −0.08639
Std Dev 1.008


asym_atl1r2_avg_dit_vs_cor_diff_rms vs run
χ² / ndf 2.182e+05 / 51
p0 327.7 ± 0.3644
900
800
700
600
500
400
300
200
100
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6


asym_atl1r2_avg_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 53.19 / 51
p0 −0.257 ± 0.5154
pull
Entries 52
Mean −46.68
Std Dev 0
pull1D
Entries 52
Mean −0.08639
Std Dev 1.008


asym_atl1r2_avg_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 2.182e+05 / 51
p0 327.7 ± 0.3644
900
800
700
600
500
400
300
200
100
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
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8553. 6
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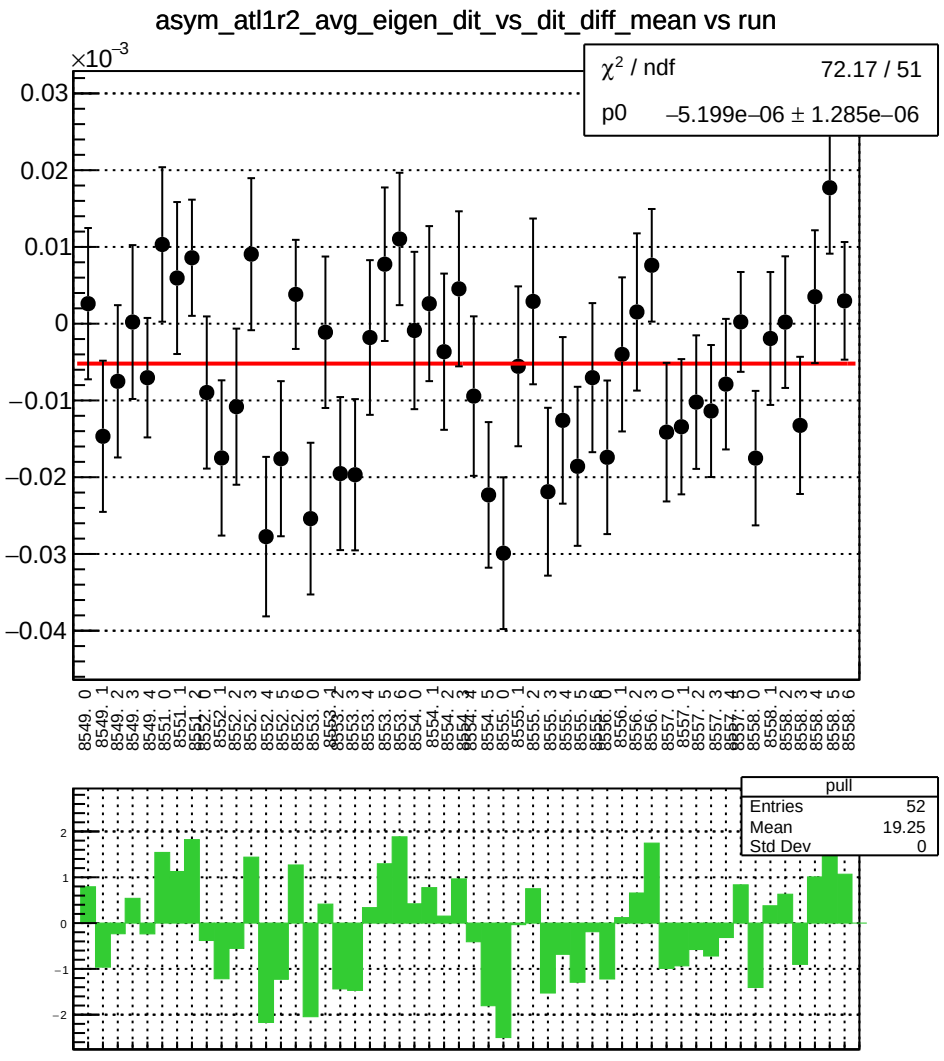
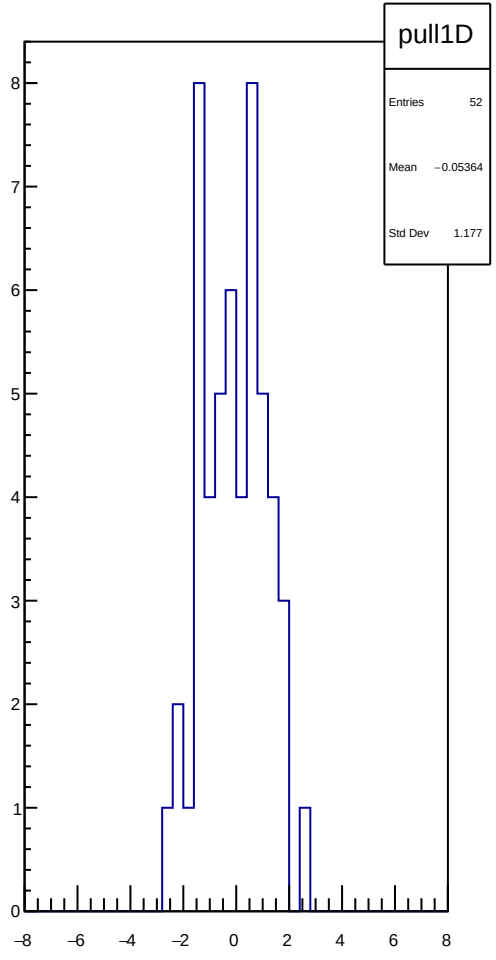
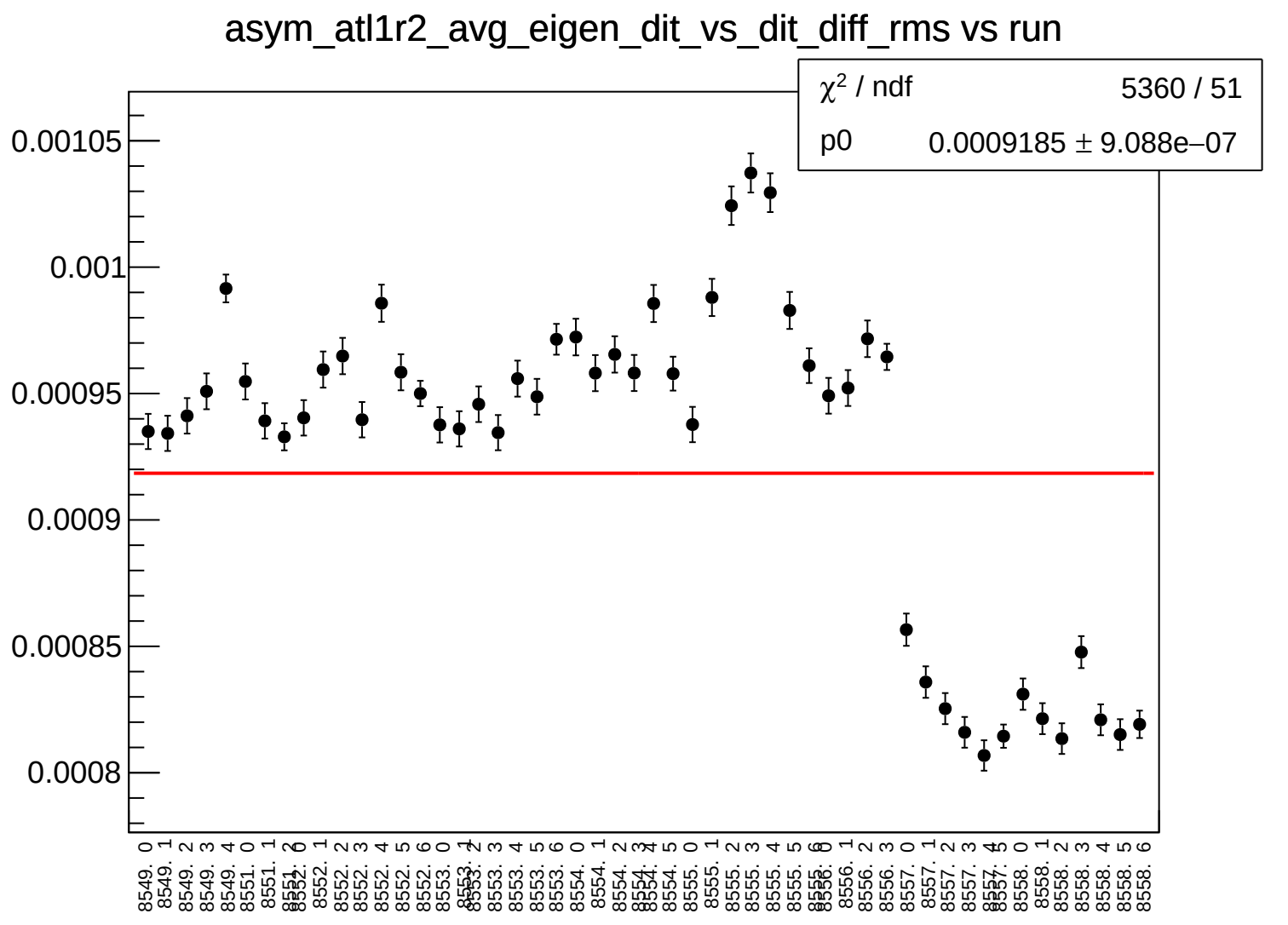
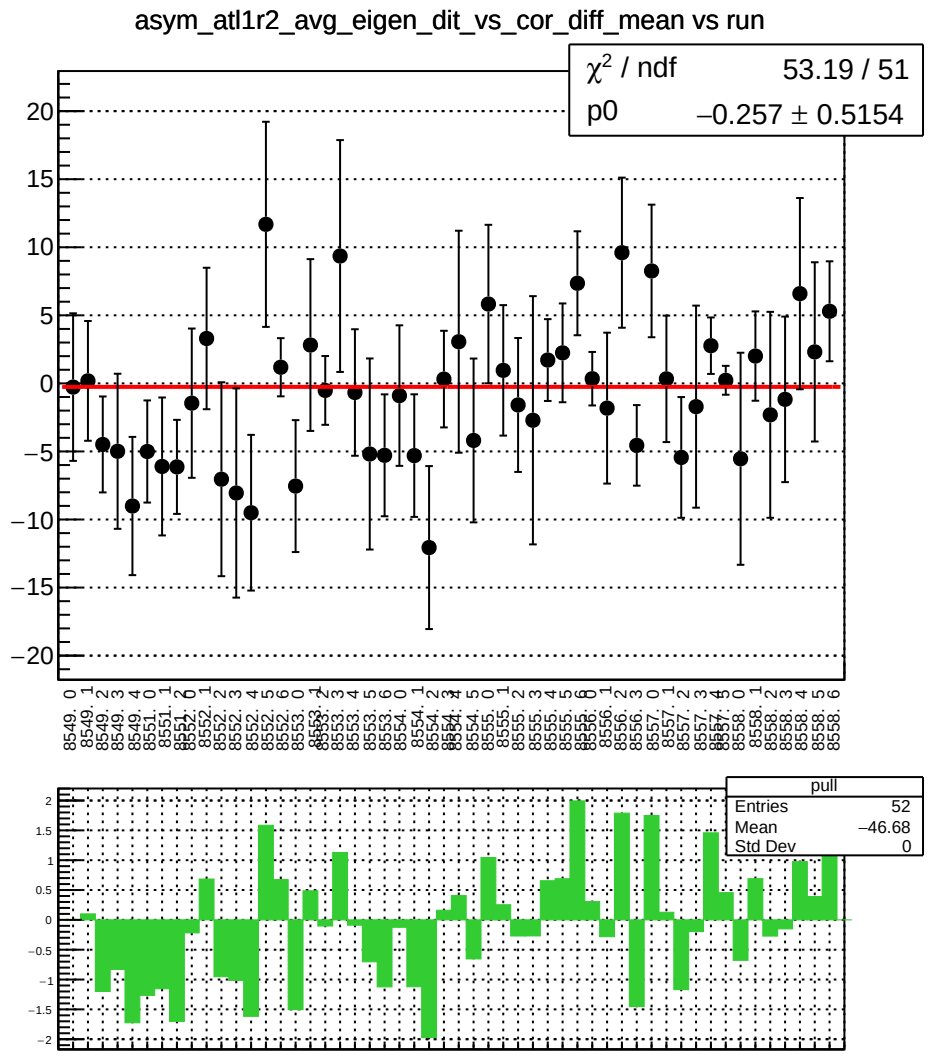
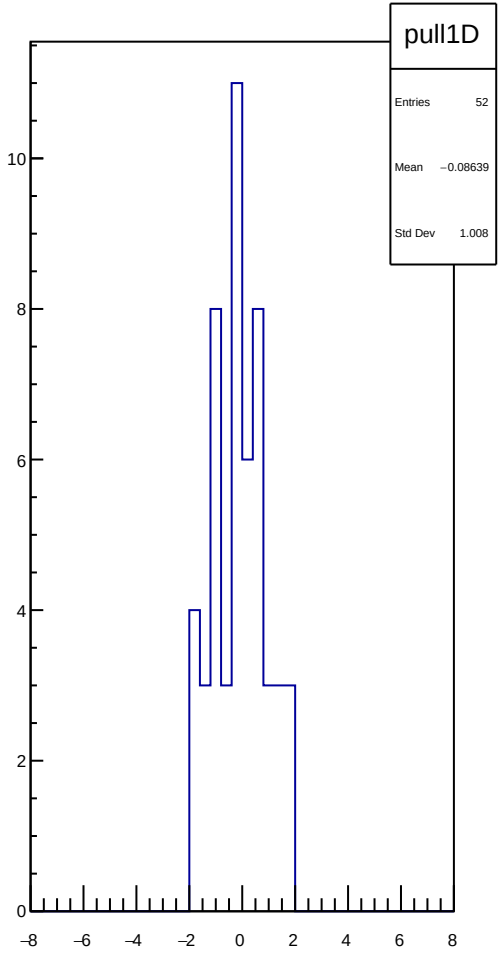
8554. 2
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

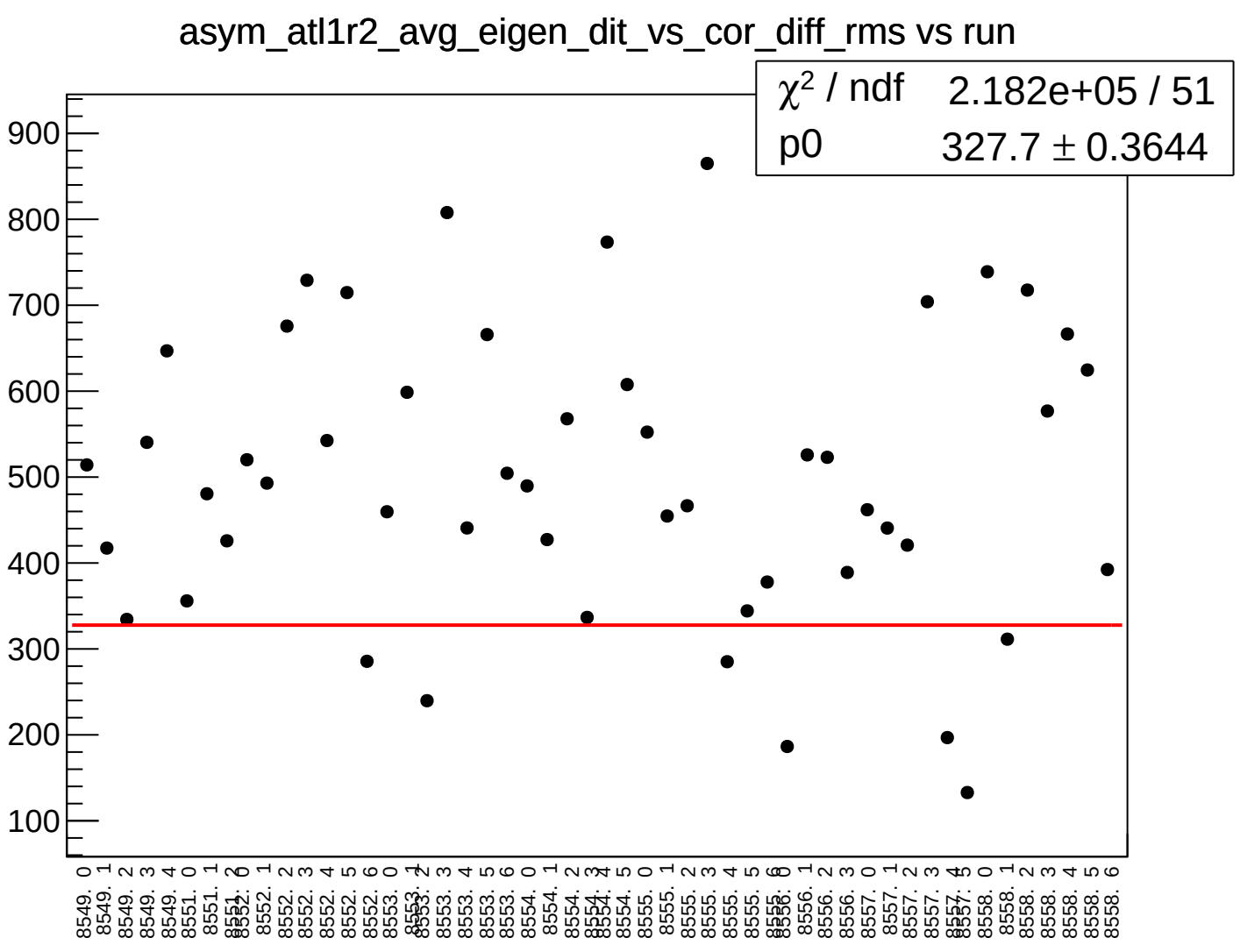

asym_atl1r2_avg_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 72.17 / 51
p0 −5.199e−06 ± 1.285e−06
pull
Entries 52
Mean 19.25
Std Dev 0

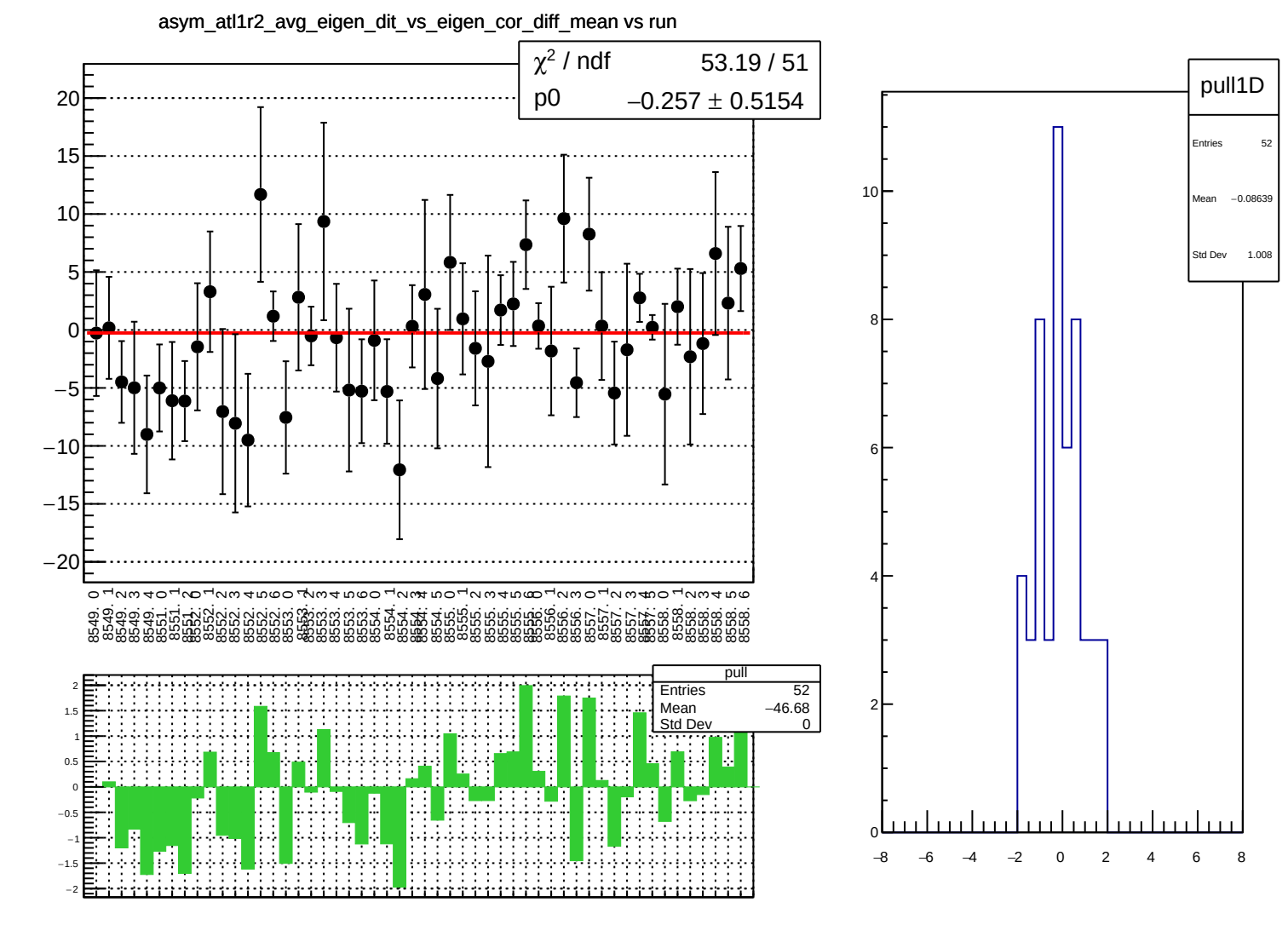

pull1D
Entries 52
Mean −0.05364
Std Dev 1.177

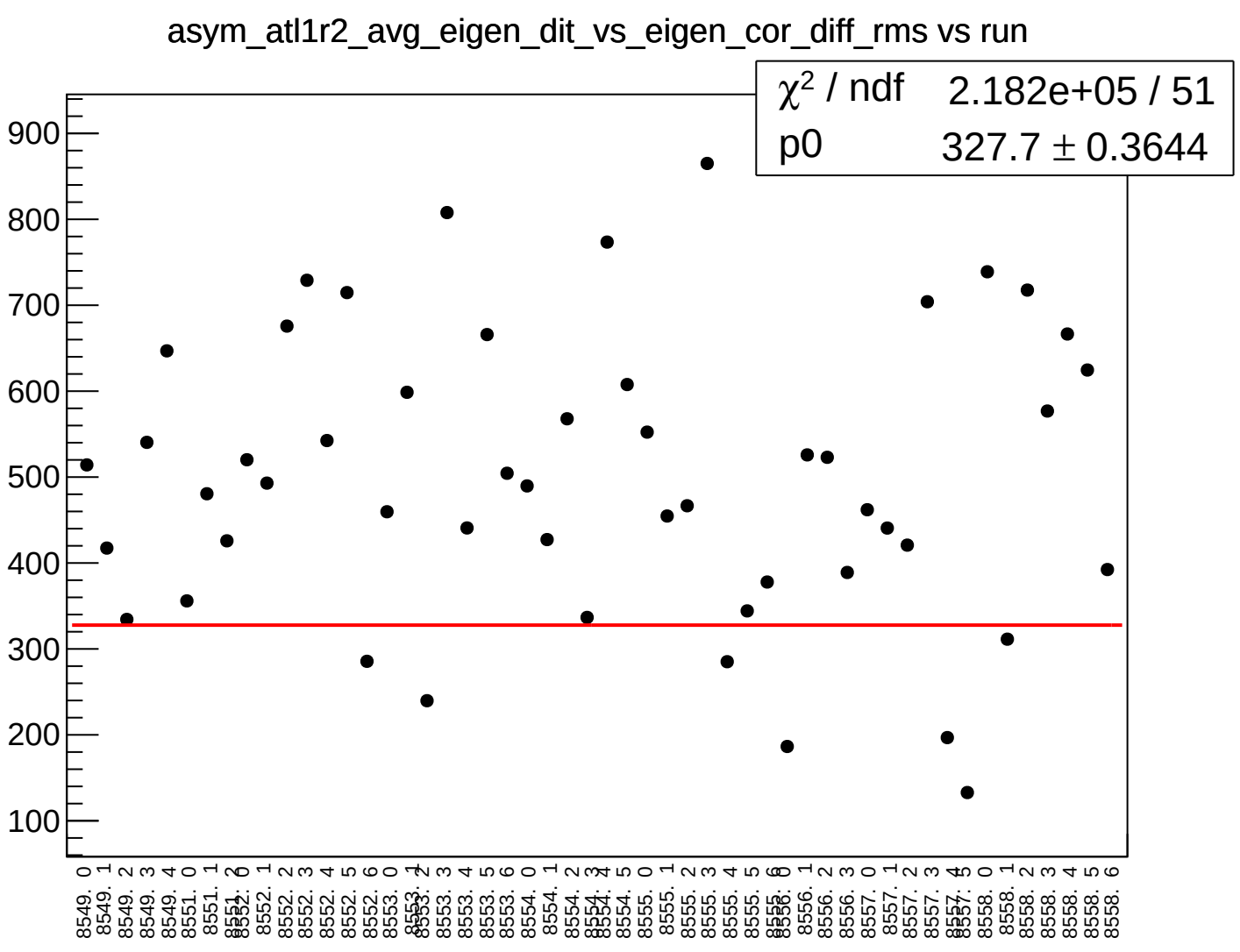

asym_atl1r2_avg_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 5360 / 51
p0 0.0009185 ± 9.088e−07
0.00105
0.001
0.00095
0.0009
0.00085
0.0008
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 5
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

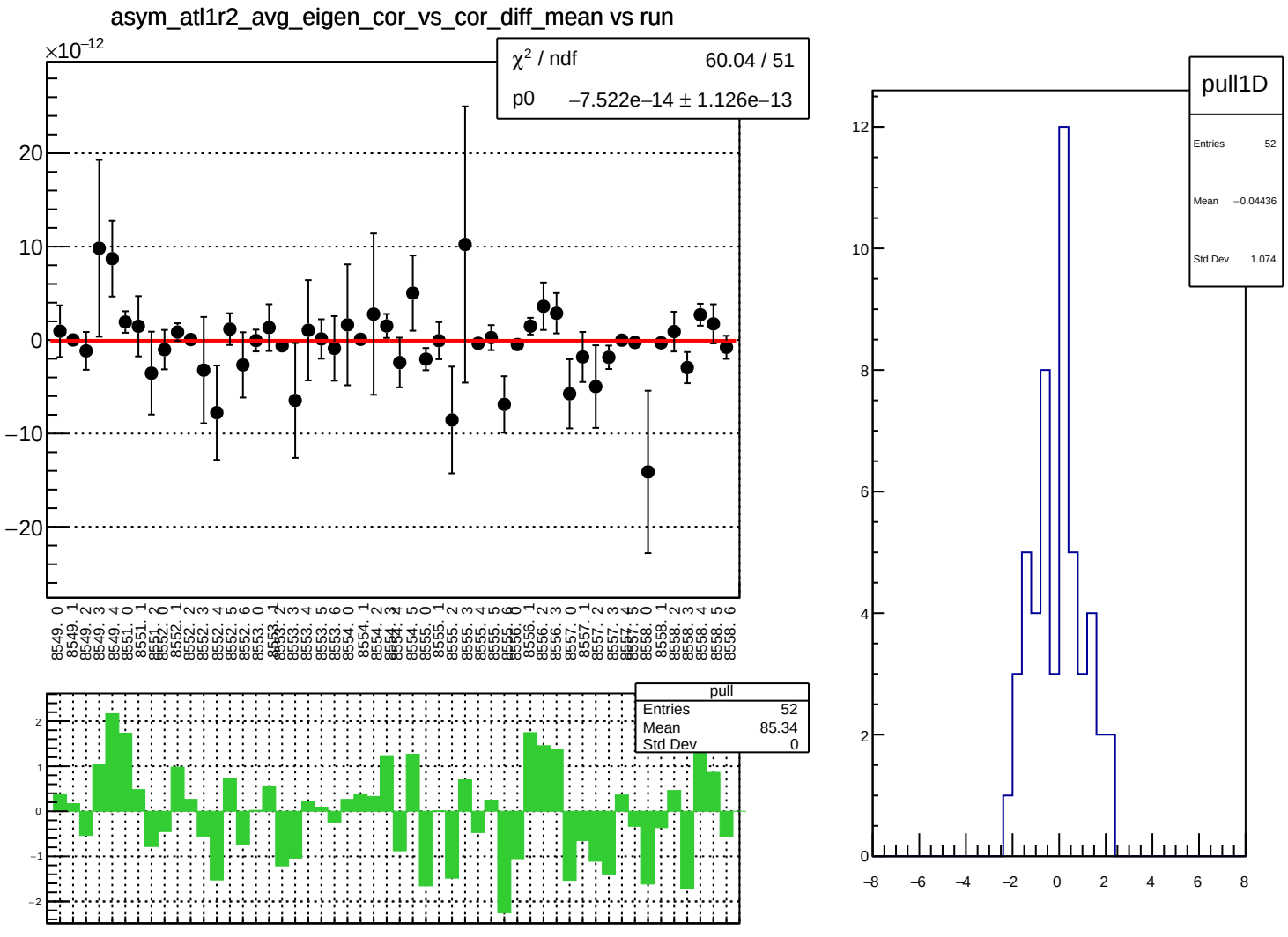

asym_atl1r2_avg_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 53.19 / 51
p0 −0.257 ± 0.5154
pull
Entries 52
Mean −46.68
Std Dev 0

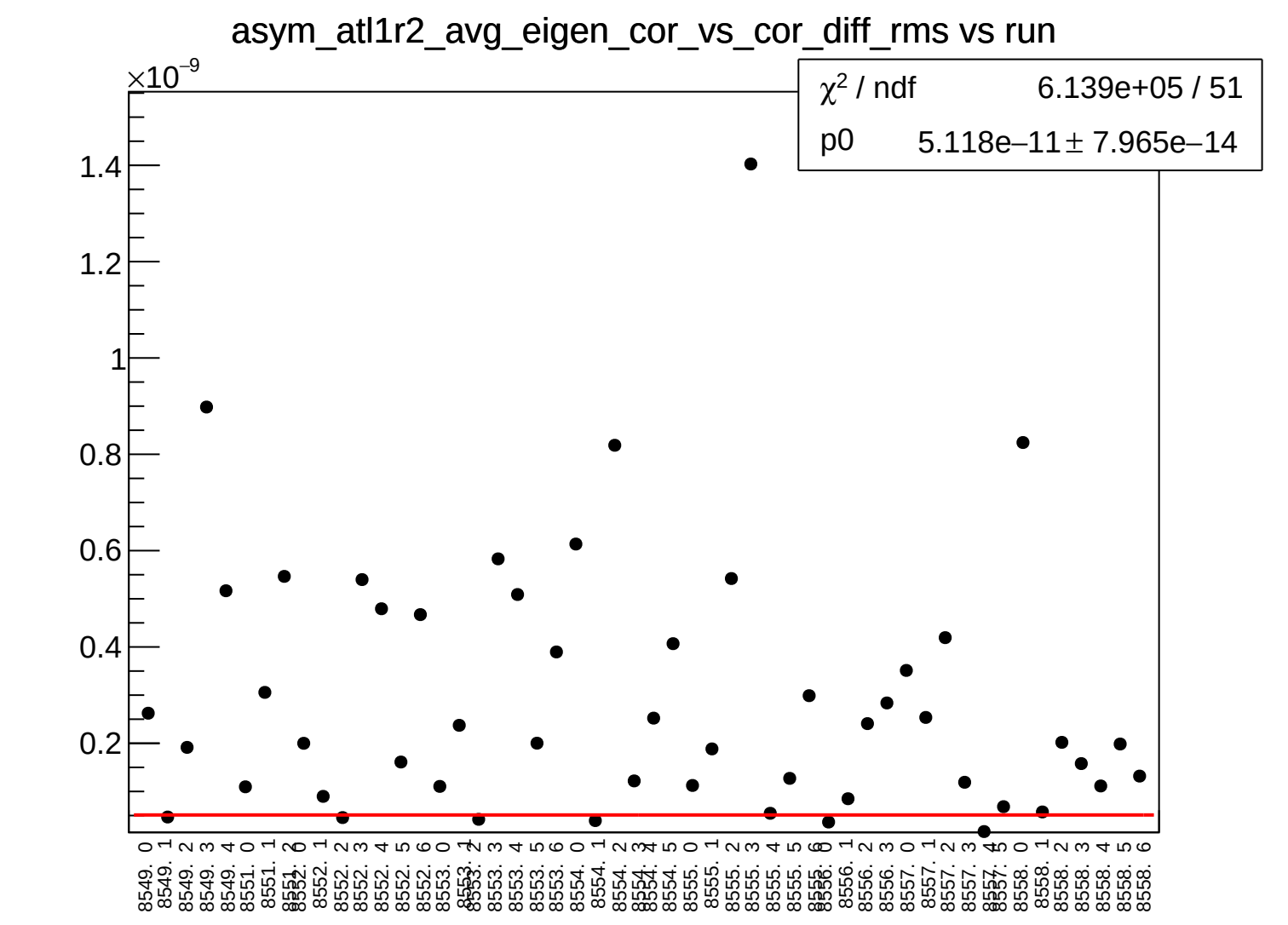

pull1D
Entries 52
Mean −0.08639
Std Dev 1.008


asym_atl1r2_avg_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 2.182e+05 / 51
p0 327.7 ± 0.3644
900
800
700
600
500
400
300
200
100
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 5
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6


asym_atl1r2_avg_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 53.19 / 51
p0 −0.257 ± 0.5154
pull
Entries 52
Mean −46.68
Std Dev 0
pull1D
Entries 52
Mean −0.08639
Std Dev 1.008


asym_atl1r2_avg_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 2.182e+05 / 51
p0 327.7 ± 0.3644
900
800
700
600
500
400
300
200
100
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 5
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6


asym_atl1r2_avg_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 60.04 / 51
p0 −7.522e−14 ± 1.126e−13
20
10
0
−10
−20
pull
Entries 52
Mean 85.34
Std Dev 0
pull1D
Entries 52
Mean −0.04436
Std Dev 1.074
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


asym_atl1r2_avg_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 6.139e+05 / 51
p0 5.118e−11 ± 7.965e−14
1.4
1.2
1
0.8
0.6
0.4
0.2
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
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8557. 3
8558. 0
8558. 1
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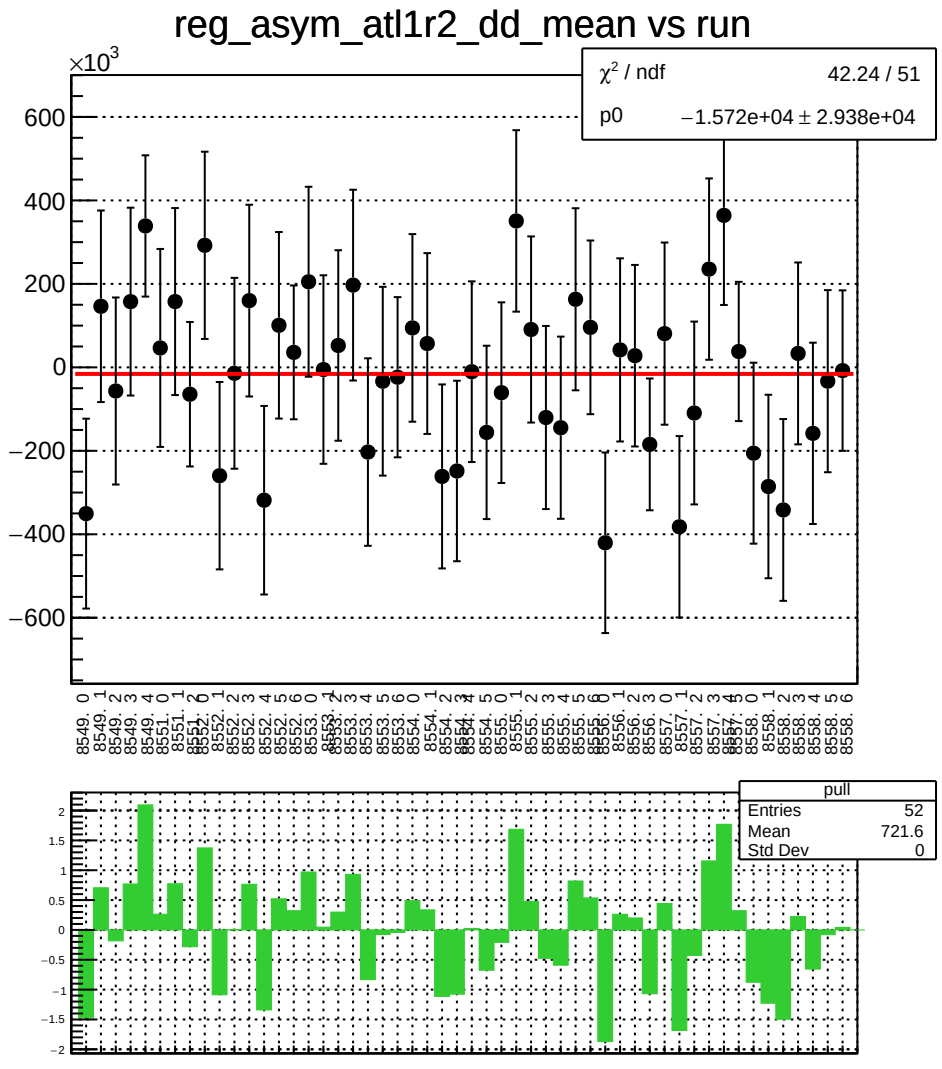
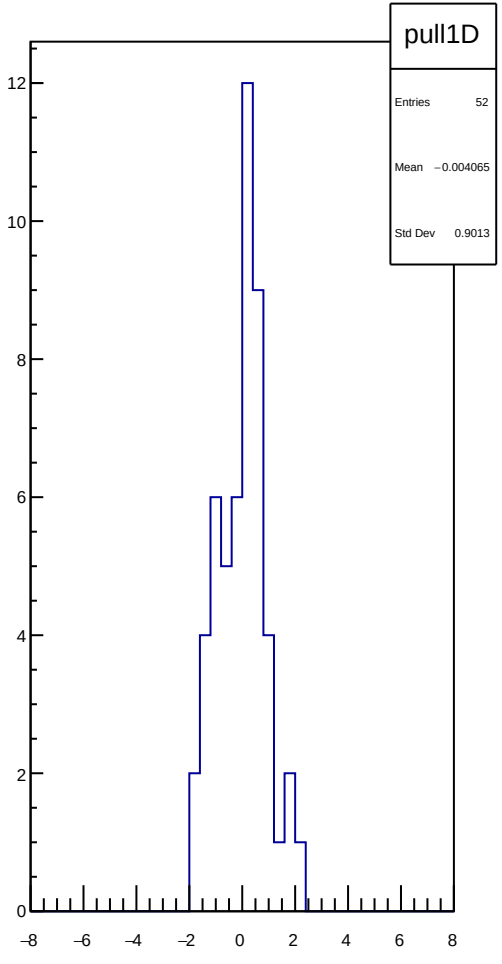
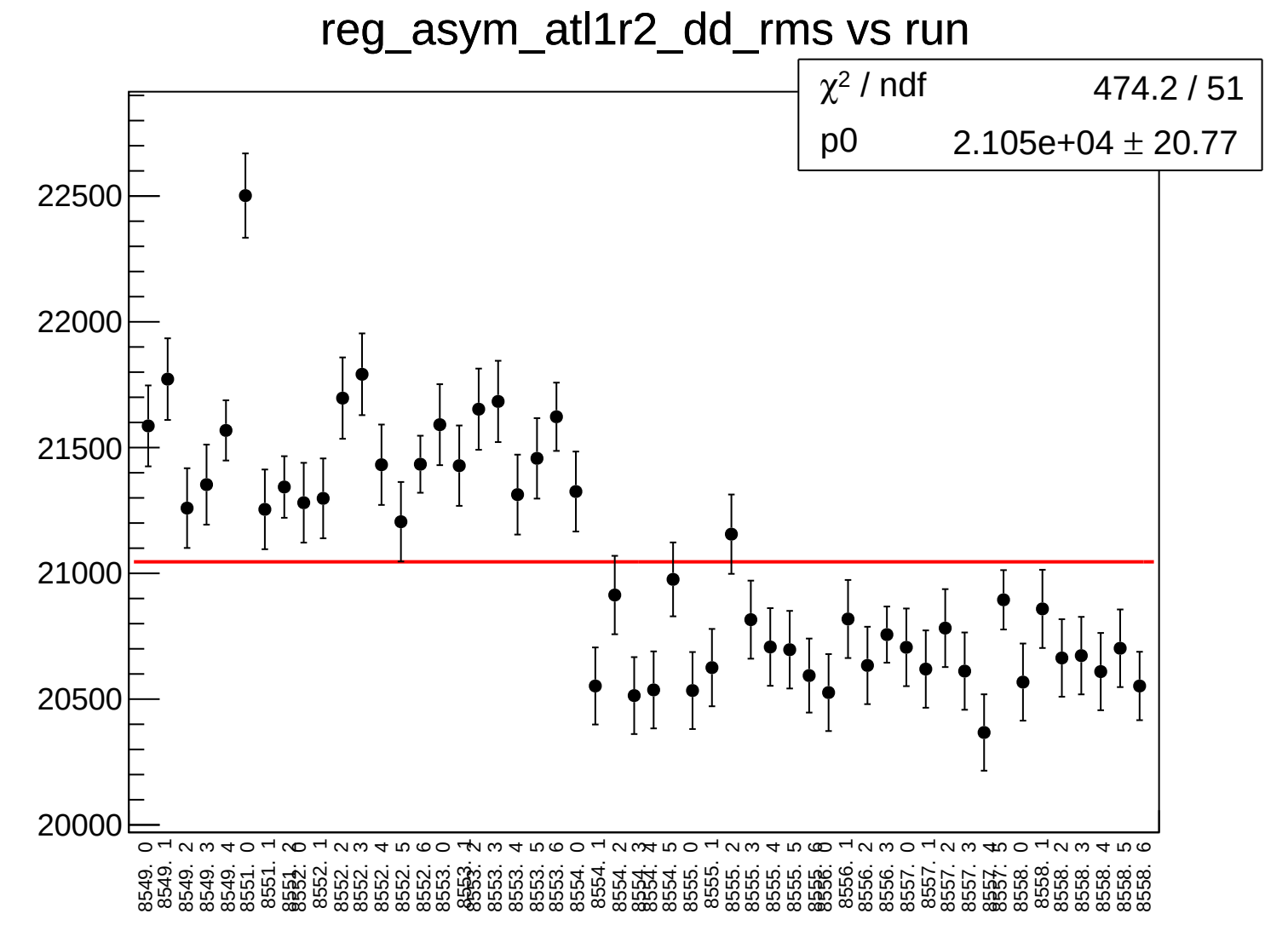
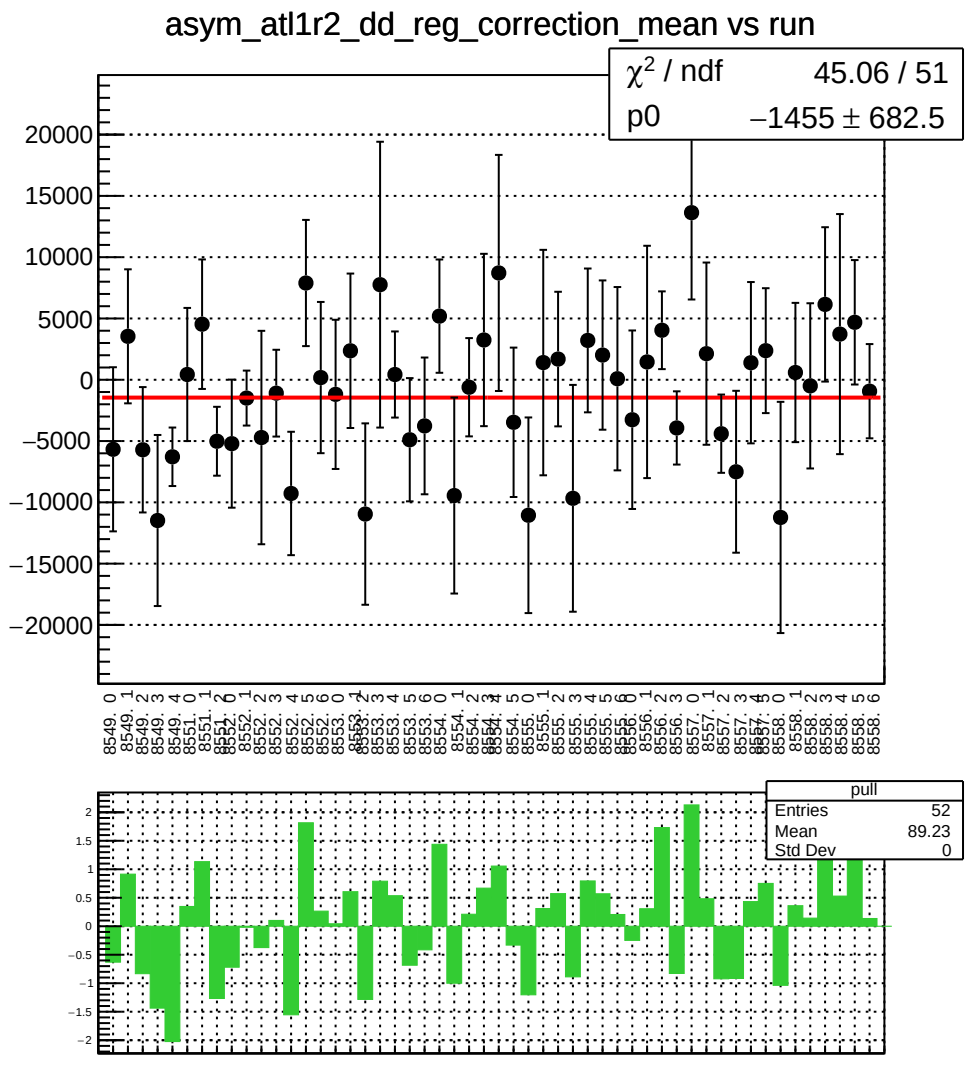
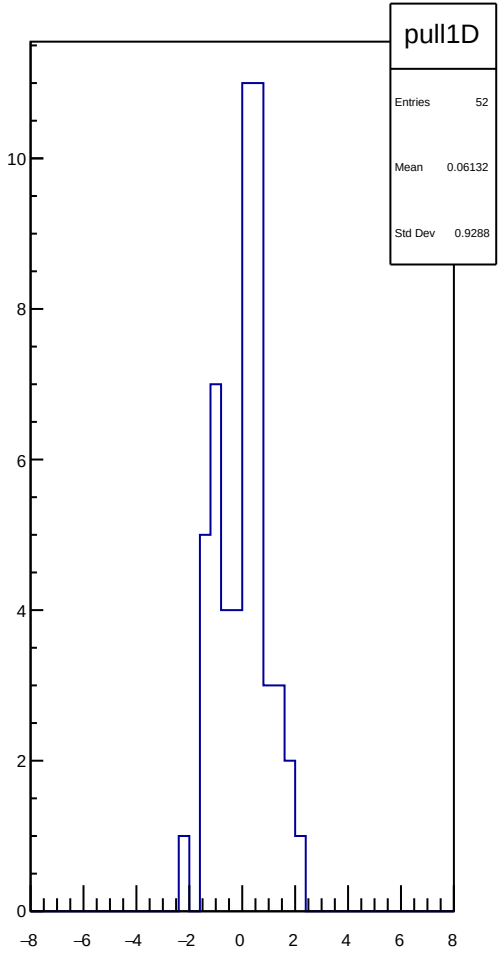
8558. 5
8558. 6

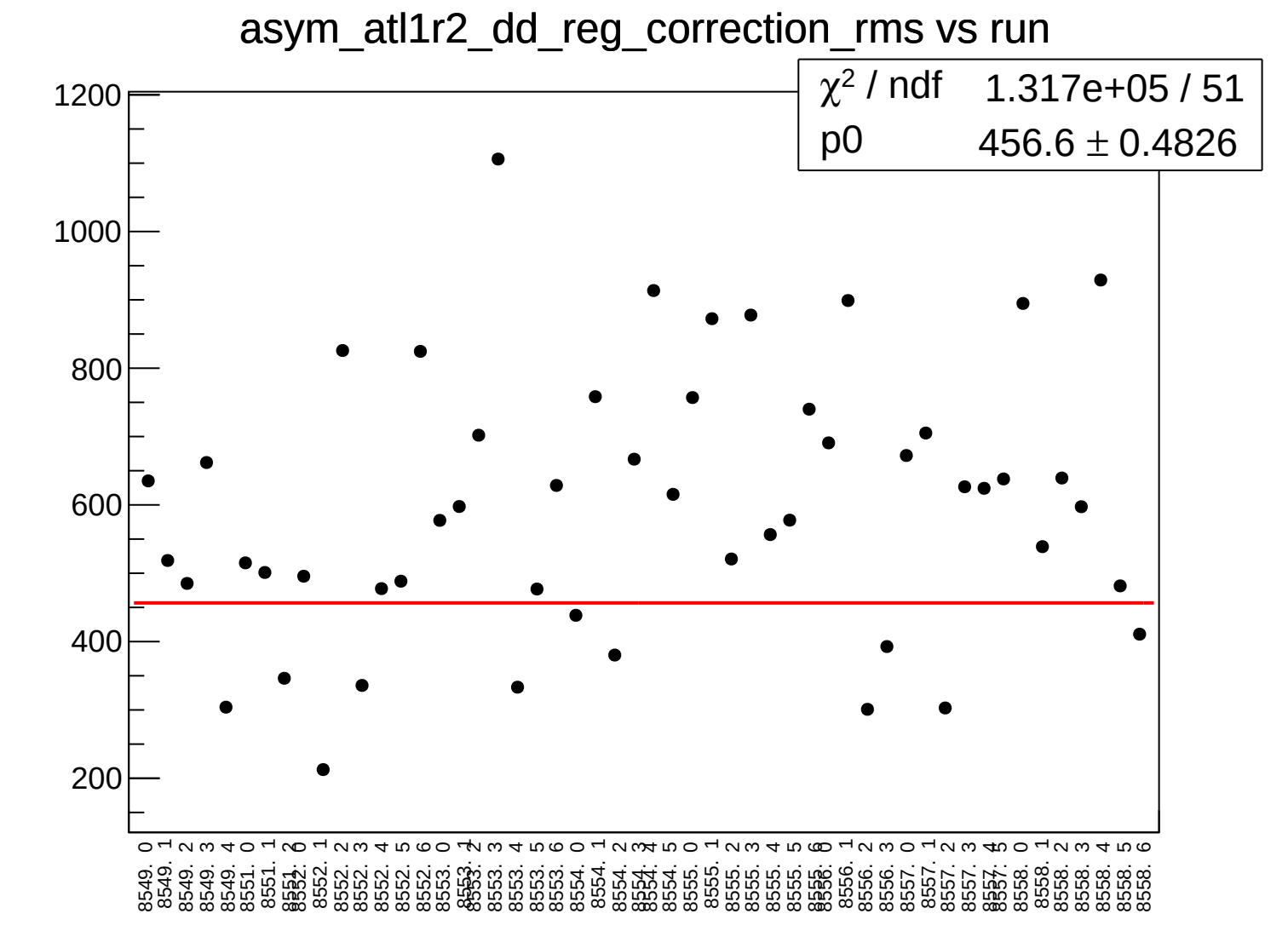

reg_asym_atl1r2_dd_mean vs run
×10^3
χ² / ndf 42.24 / 51
p0 −1.572e+04 ± 2.938e+04
pull
Entries 52
Mean 721.6
Std Dev 0


pull1D
Entries 52
Mean −0.004065
Std Dev 0.9013


reg_asym_atl1r2_dd_rms vs run
χ² / ndf 474.2 / 51
p0 2.105e+04 ± 20.77
22500
22000
21500
21000
20500
20000
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6


asym_atl1r2_dd_reg_correction_mean vs run
χ² / ndf 45.06 / 51
p0 −1455 ± 682.5
pull
Entries 52
Mean 89.23
Std Dev 0


pull1D
Entries 52
Mean 0.06132
Std Dev 0.9288


asym_atl1r2_dd_reg_correction_rms vs run
χ² / ndf 1.317e+05 / 51
p0 456.6 ± 0.4826
1200
1000
800
600
400
200
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 5
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
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8557. 3
8558. 0
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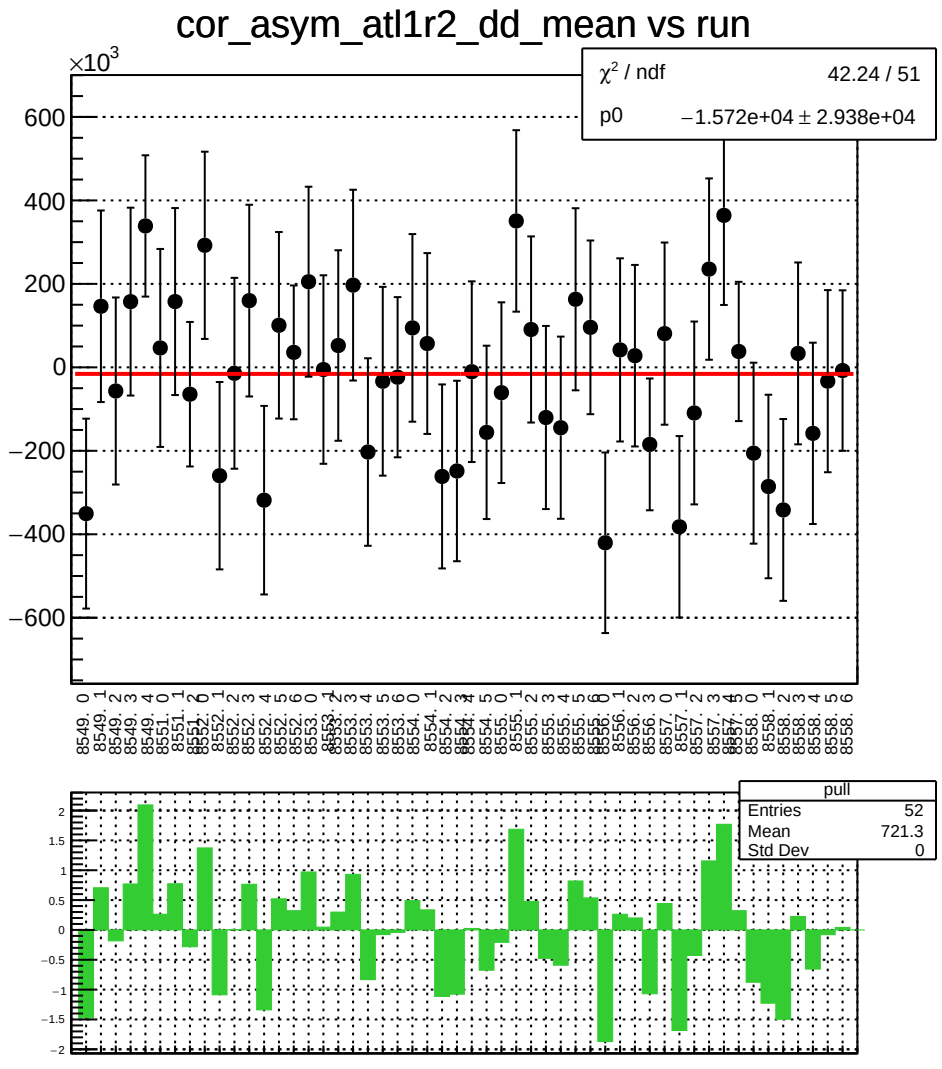
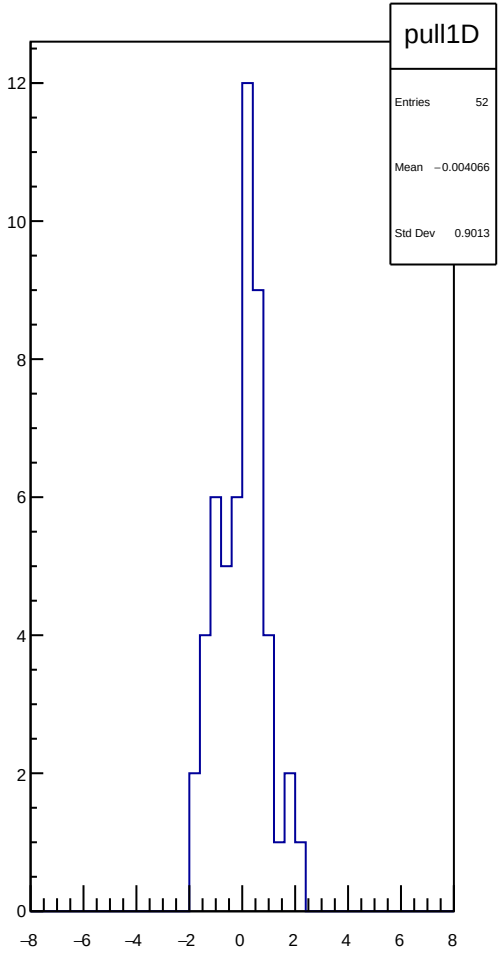
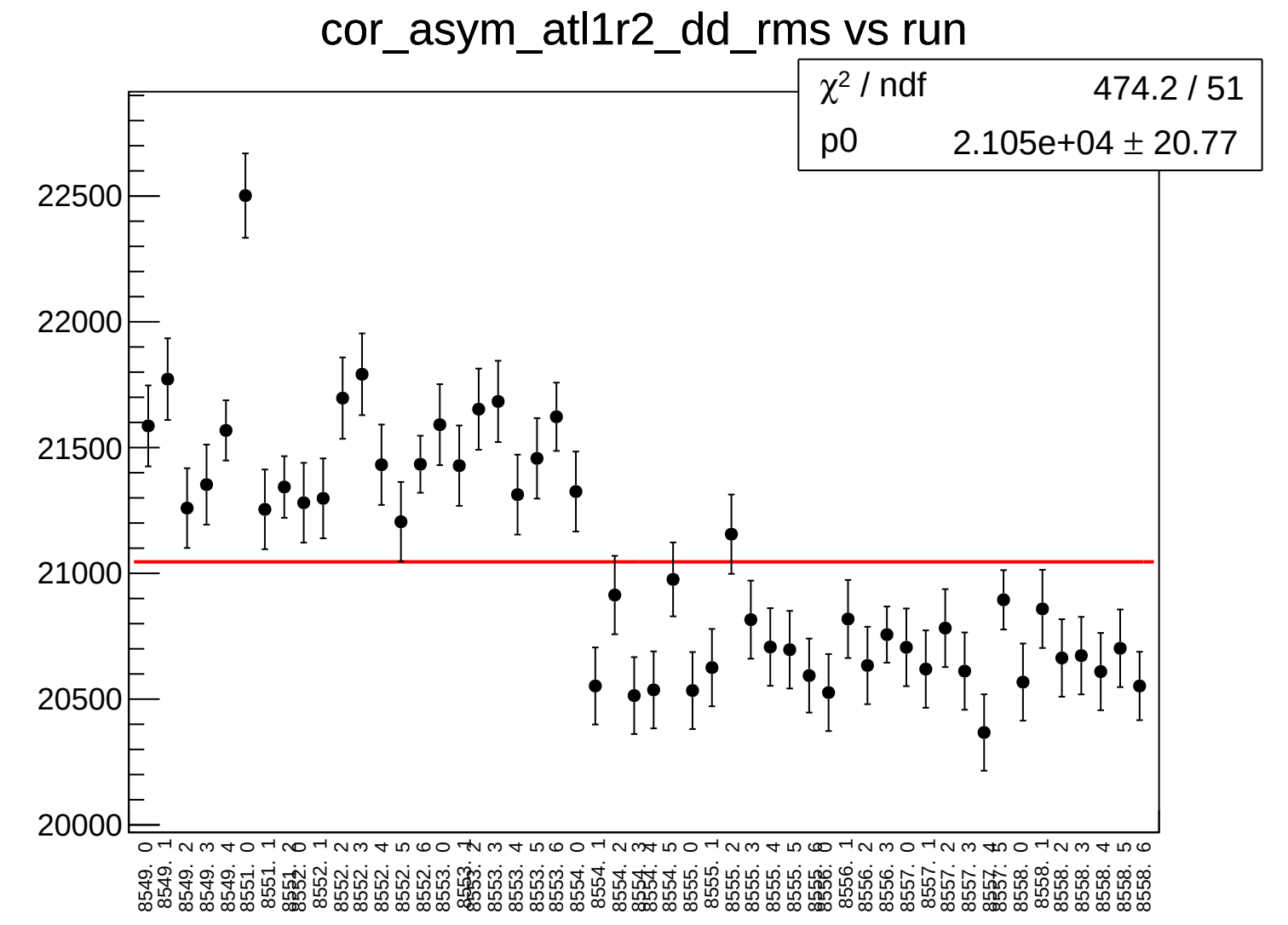
8558. 5
8558. 6


cor_asym_atl1r2_dd_mean vs run
×10^3
χ² / ndf 42.24 / 51
p0 −1.572e+04 ± 2.938e+04
pull
Entries 52
Mean 721.3
Std Dev 0


pull1D
Entries 52
Mean −0.004066
Std Dev 0.9013


cor_asym_atl1r2_dd_rms vs run
χ² / ndf 474.2 / 51
p0 2.105e+04 ± 20.77
22500
22000
21500
21000
20500
20000
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 2
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 5
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
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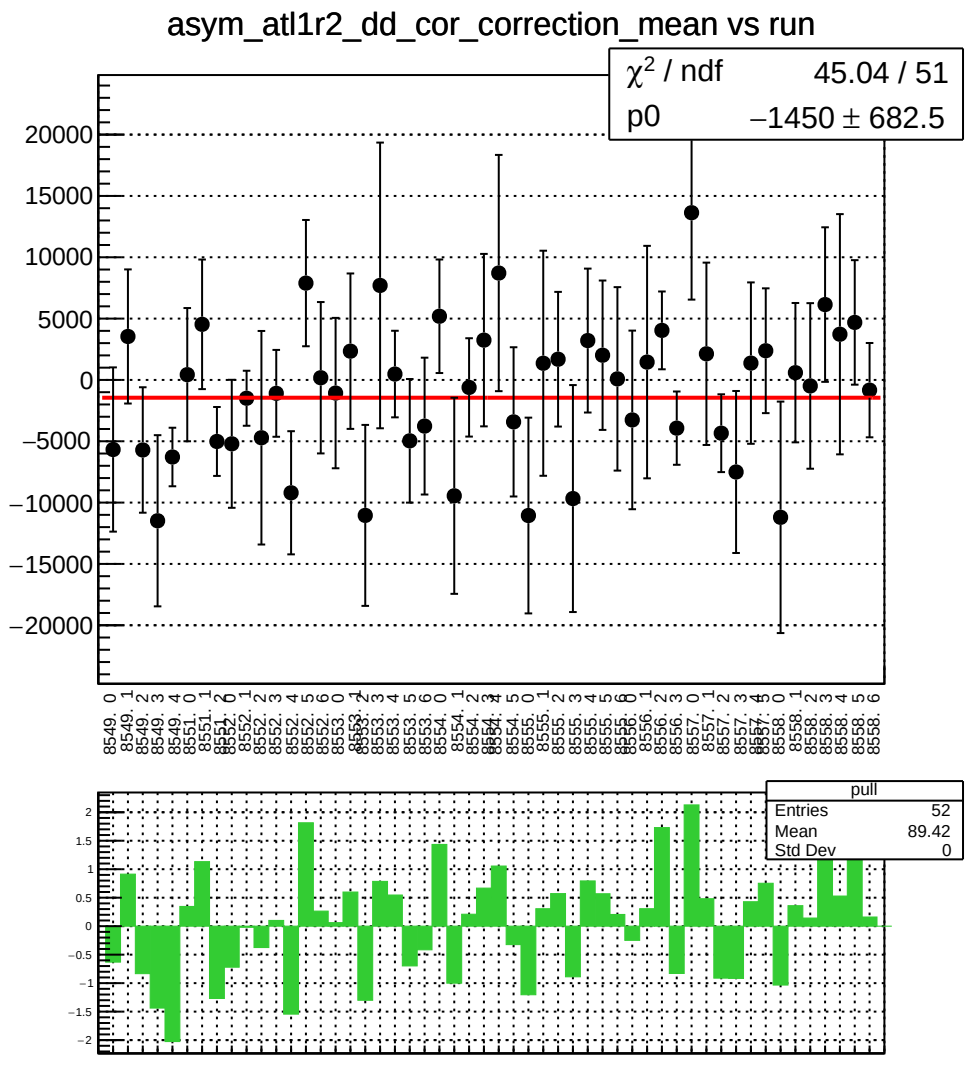
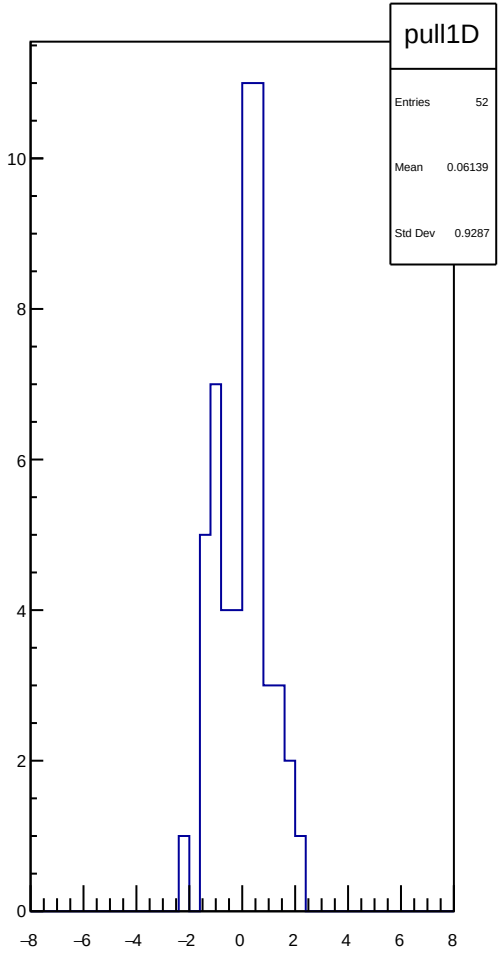
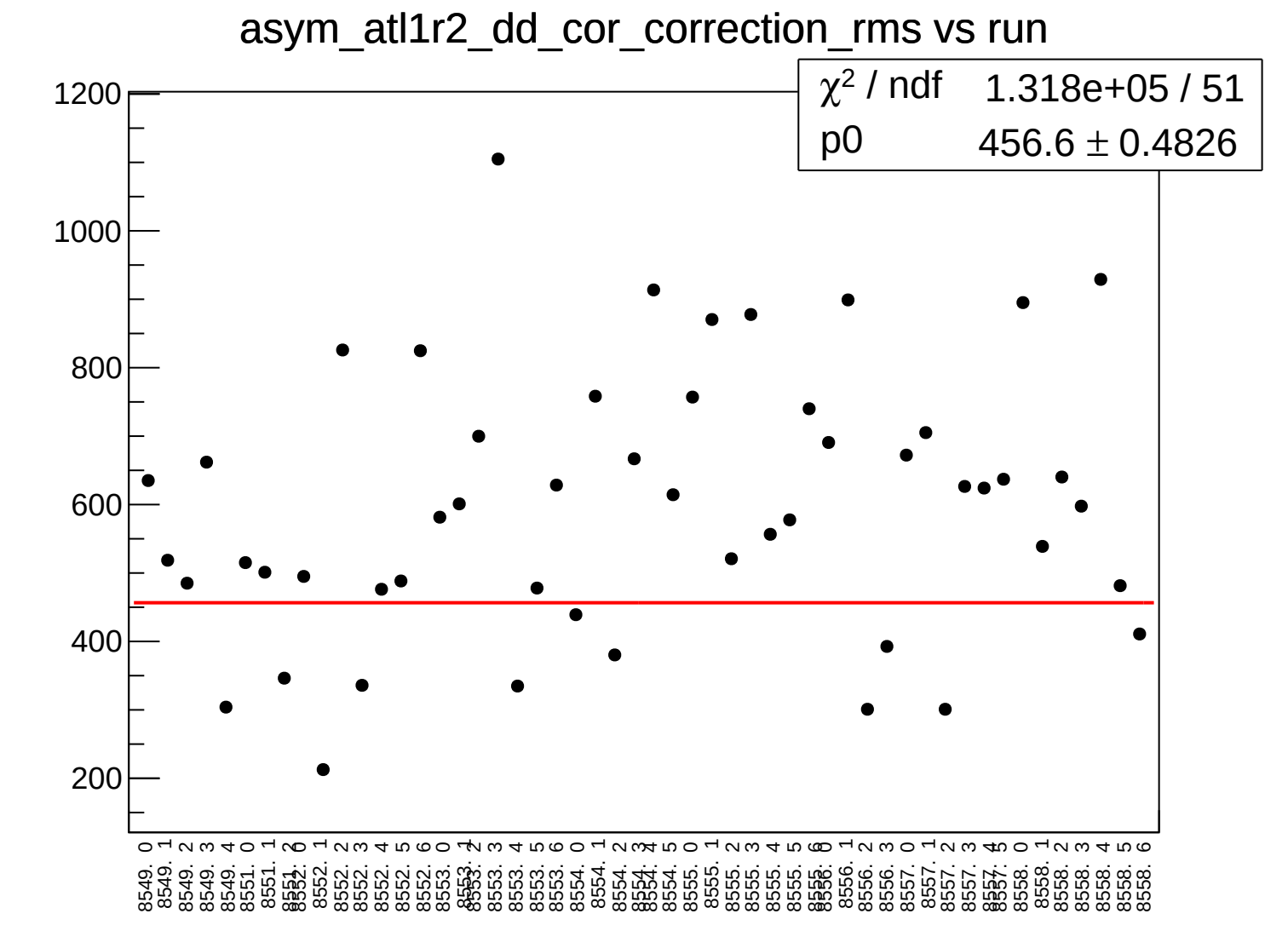
8558. 5
8558. 6


asym_atl1r2_dd_cor_correction_mean vs run
χ² / ndf 45.04 / 51
p0 −1450 ± 682.5
pull
Entries 52
Mean 89.42
Std Dev 0


pull1D
Entries 52
Mean 0.06139
Std Dev 0.9287


asym_atl1r2_dd_cor_correction_rms vs run
χ² / ndf 1.318e+05 / 51
p0 456.6 ± 0.4826
1200
1000
800
600
400
200
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 5
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
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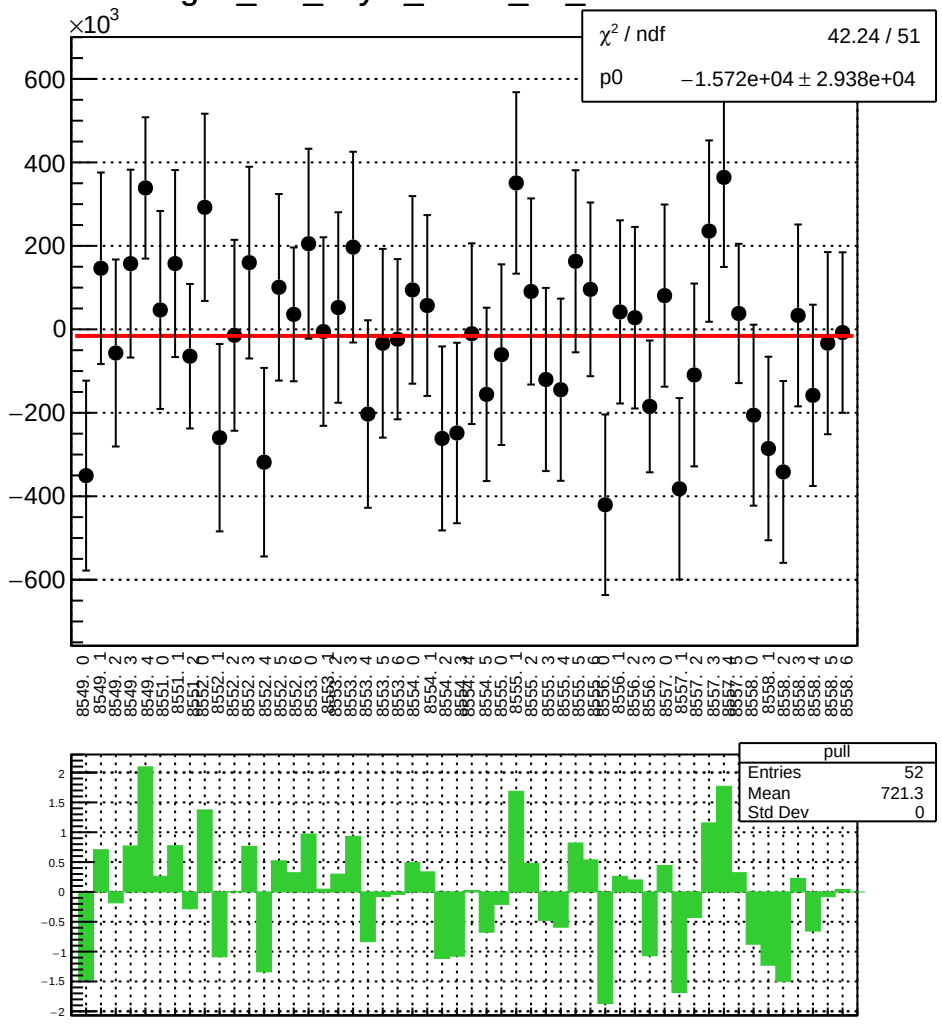
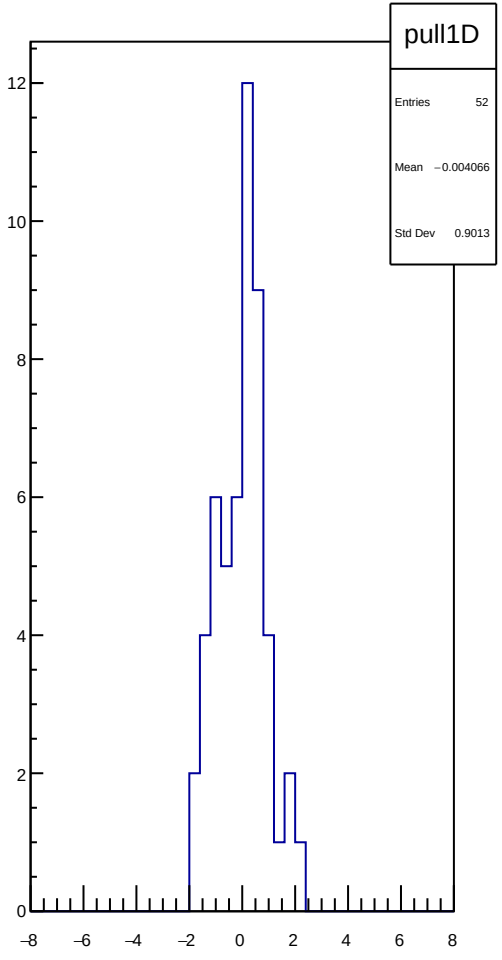
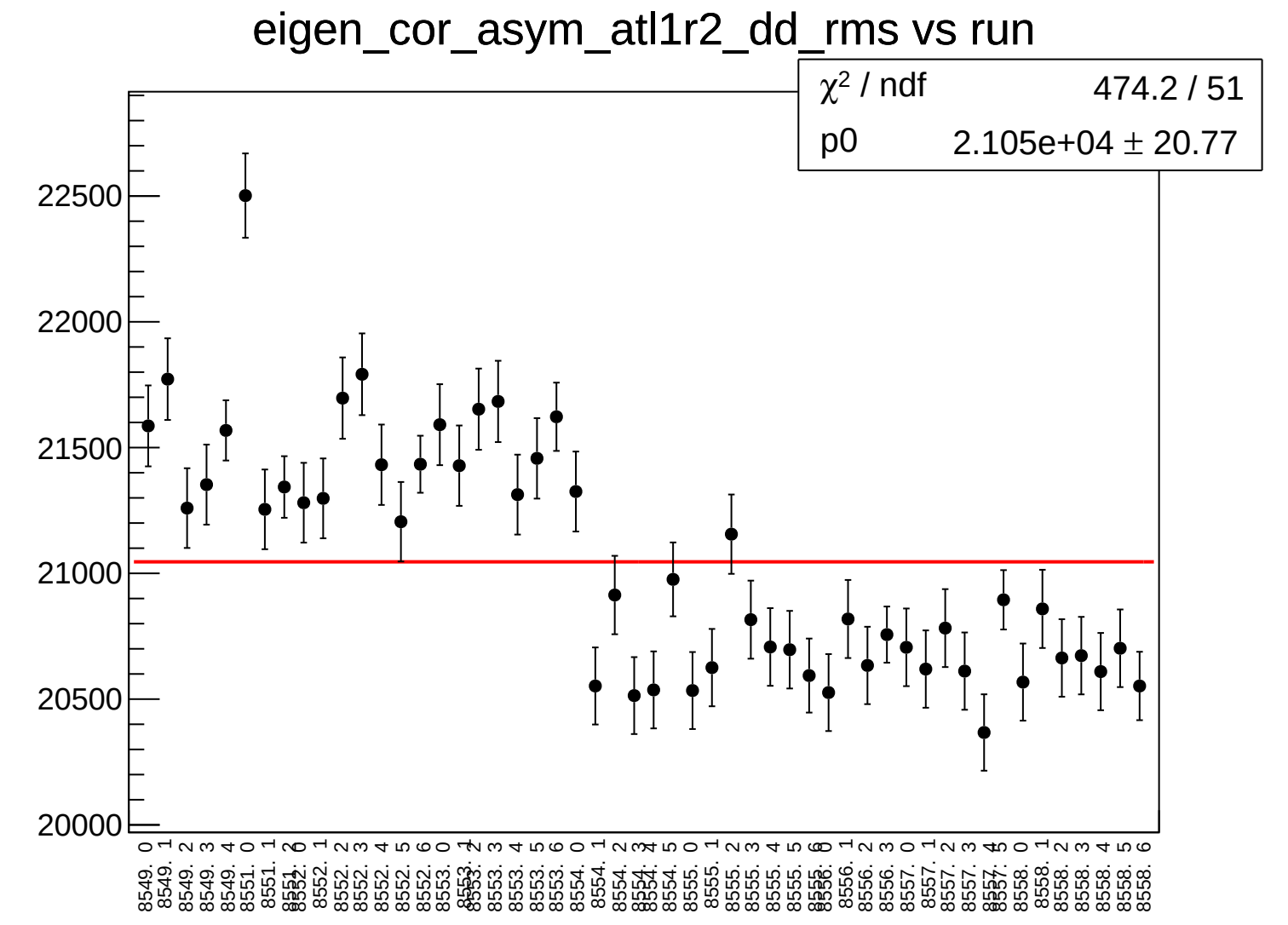
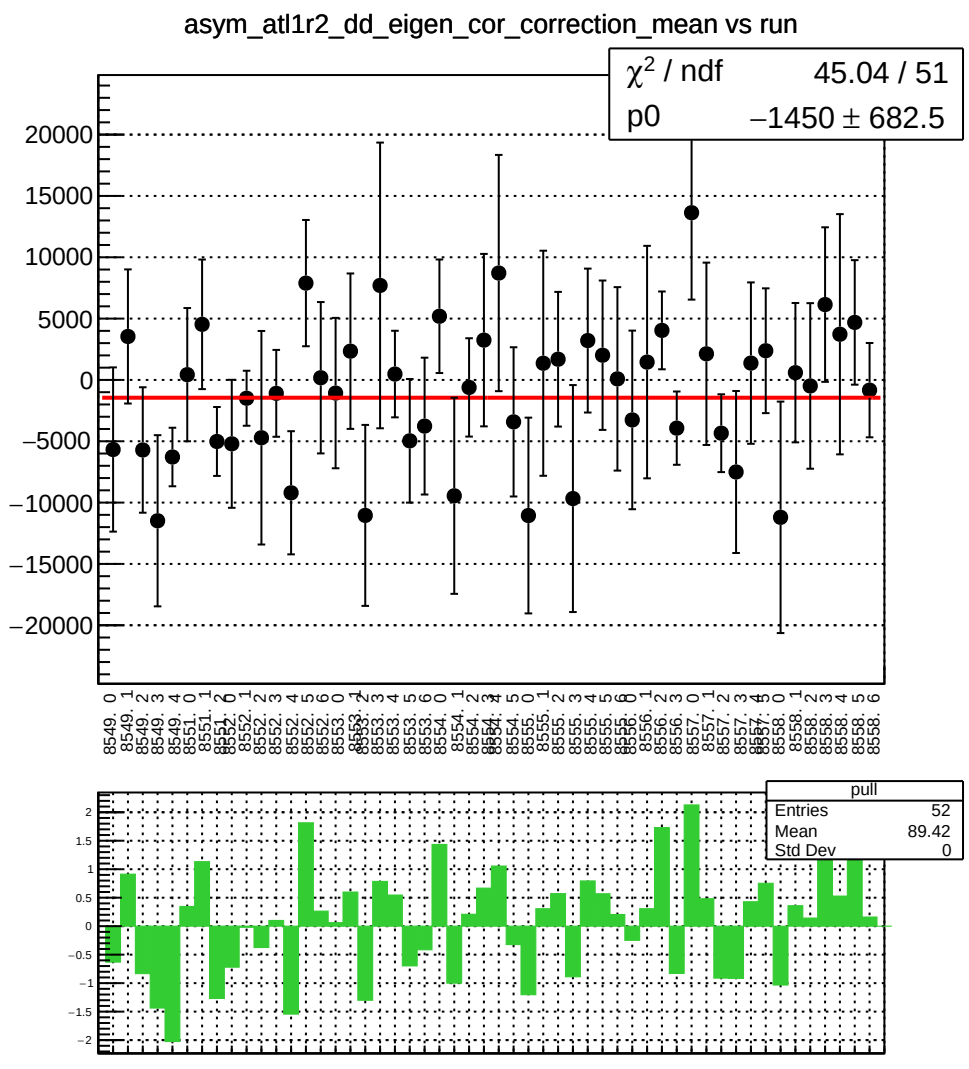
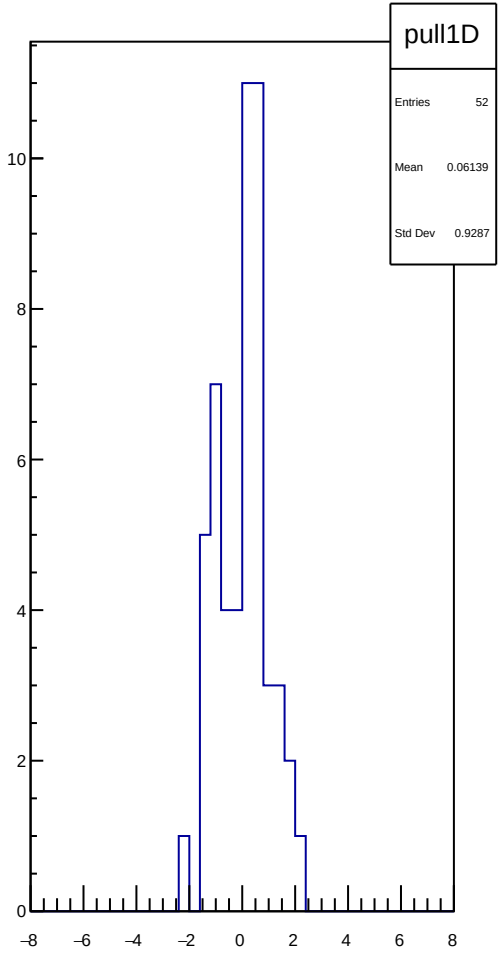
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

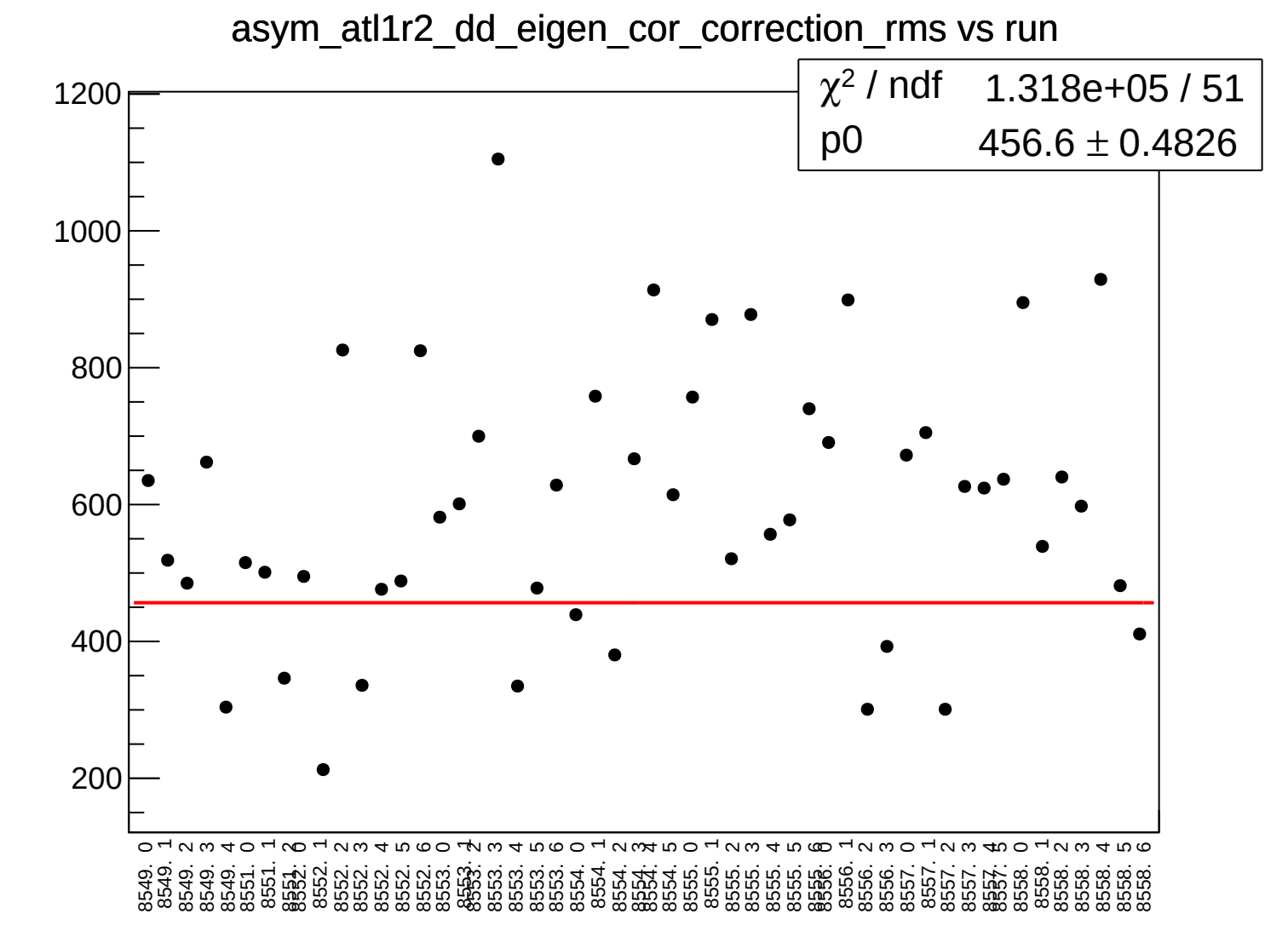

eigen_cor_asym_atl1r2_dd_mean vs run
×10^3
χ² / ndf 42.24 / 51
p0 −1.572e+04 ± 2.938e+04
600
400
200
0
−200
−400
−600
pull
Entries 52
Mean 721.3
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2


pull1D
Entries 52
Mean −0.004066
Std Dev 0.9013
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


eigen_cor_asym_atl1r2_dd_rms vs run
χ² / ndf 474.2 / 51
p0 2.105e+04 ± 20.77
22500
22000
21500
21000
20500
20000
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 2
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6


asym_atl1r2_dd_eigen_cor_correction_mean vs run
χ² / ndf 45.04 / 51
p0 −1450 ± 682.5
pull
Entries 52
Mean 89.42
Std Dev 0


pull1D
Entries 52
Mean 0.06139
Std Dev 0.9287


asym_atl1r2_dd_eigen_cor_correction_rms vs run
χ² / ndf 1.318e+05 / 51
p0 456.6 ± 0.4826
1200
1000
800
600
400
200
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
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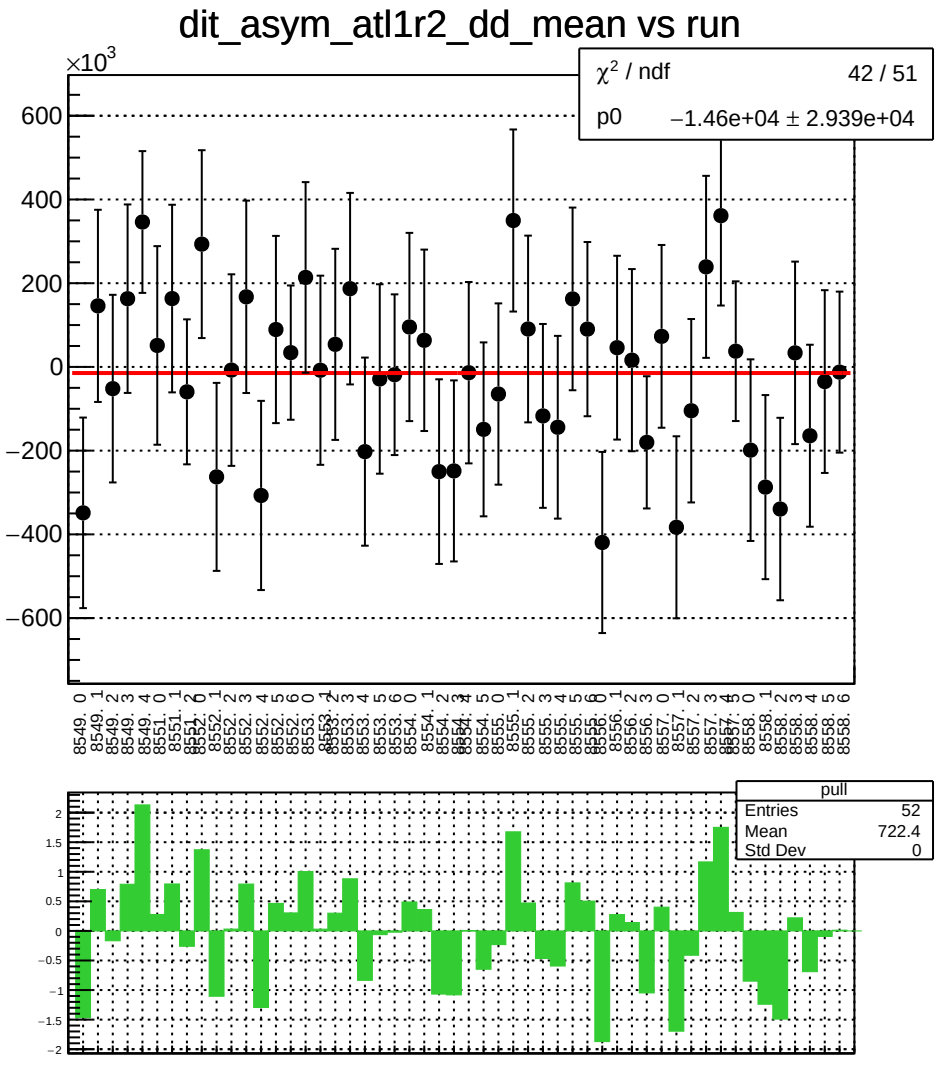
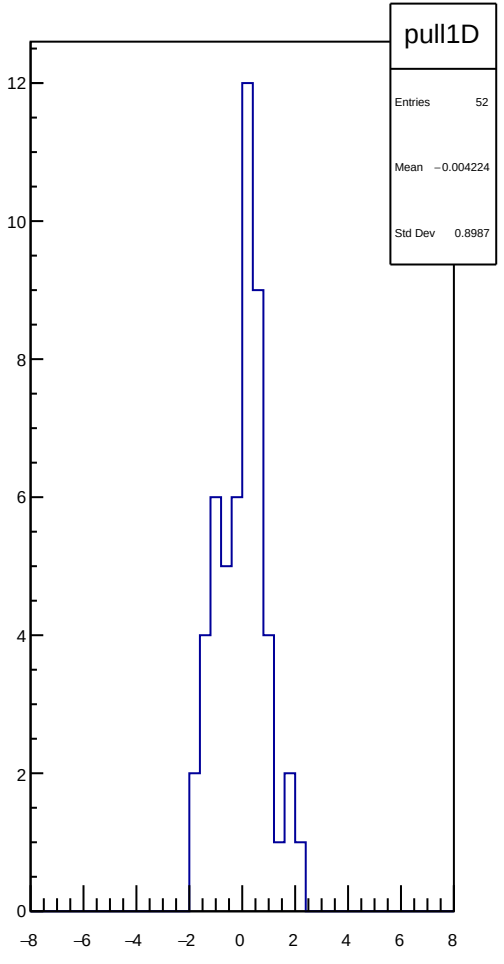
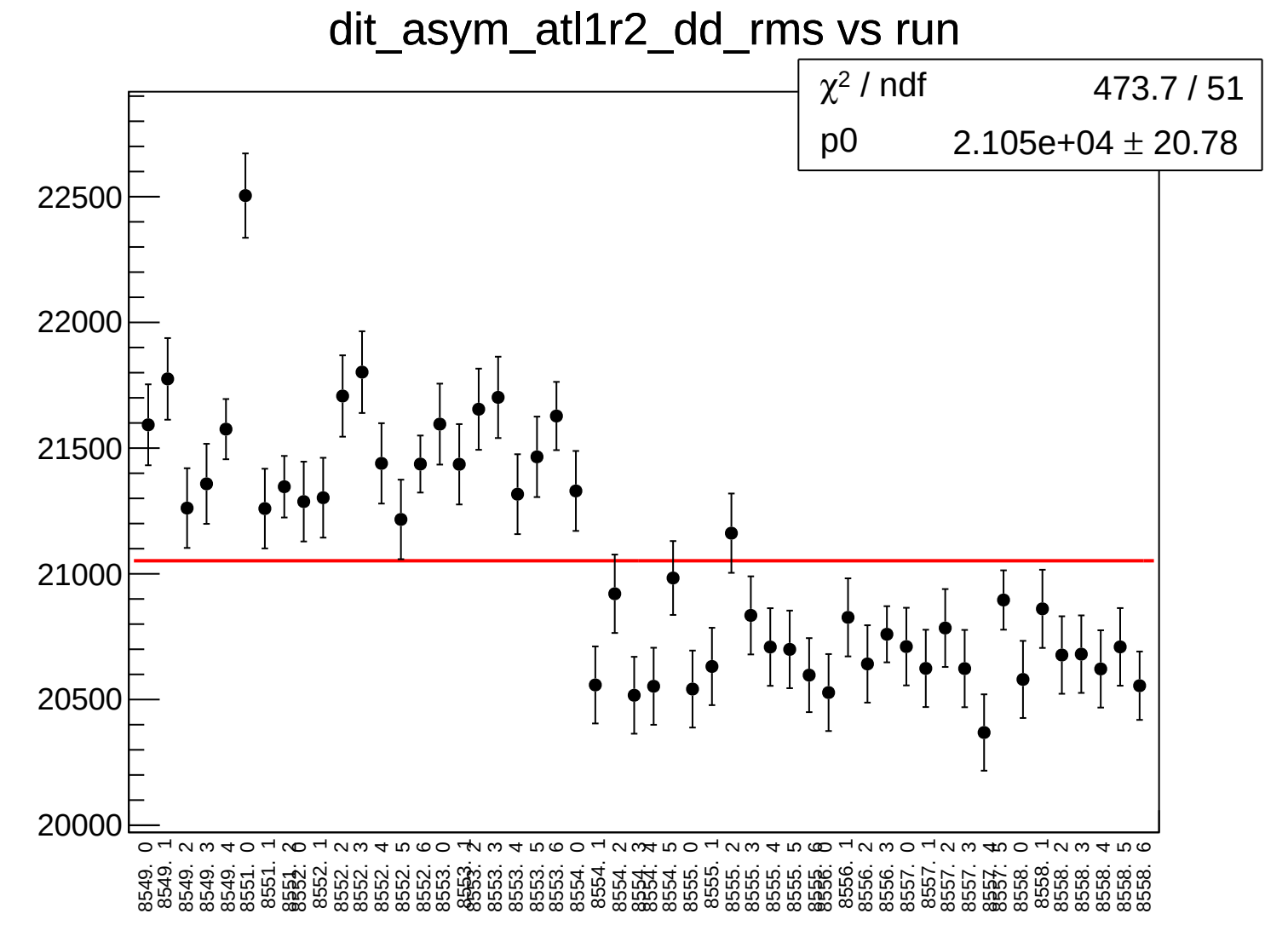
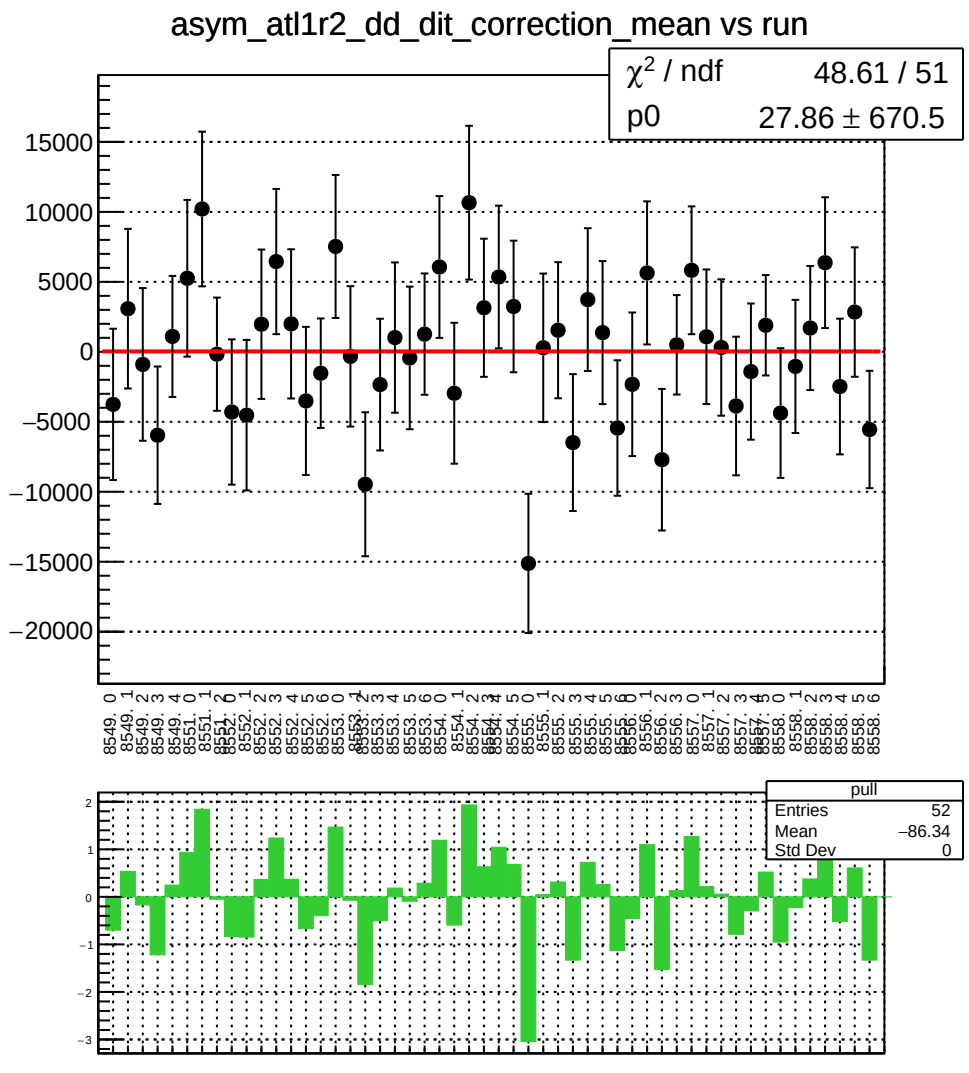
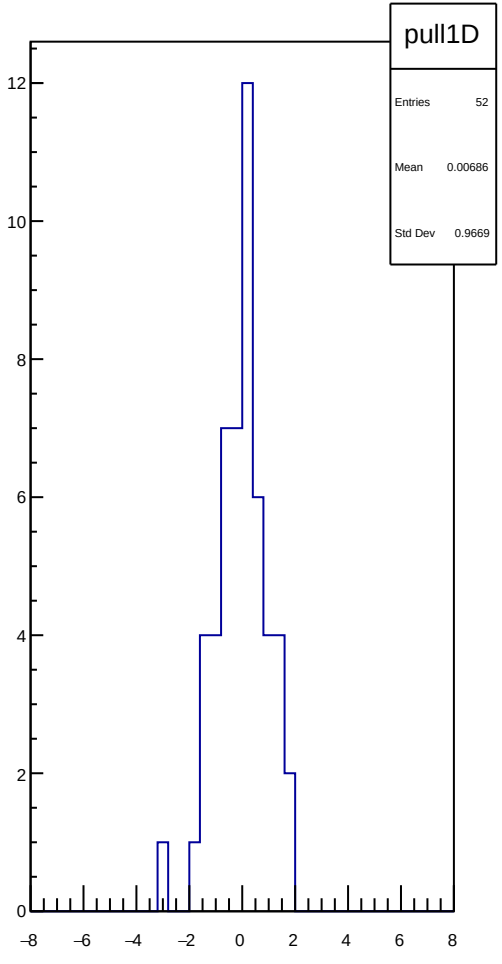
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

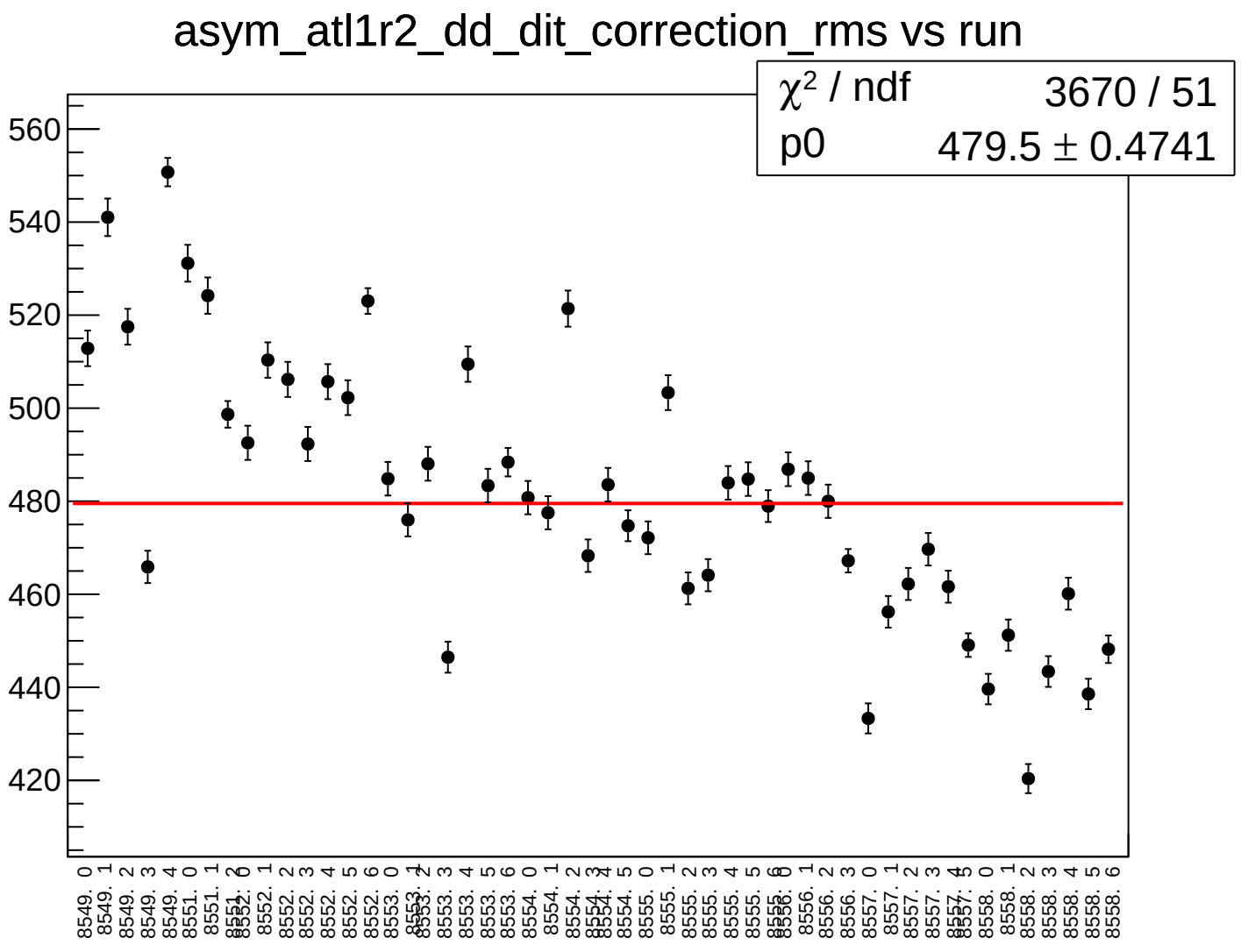

dit_asym_atl1r2_dd_mean vs run
×10^3
χ² / ndf 42 / 51
p0 −1.46e+04 ± 2.939e+04
pull
Entries 52
Mean 722.4
Std Dev 0

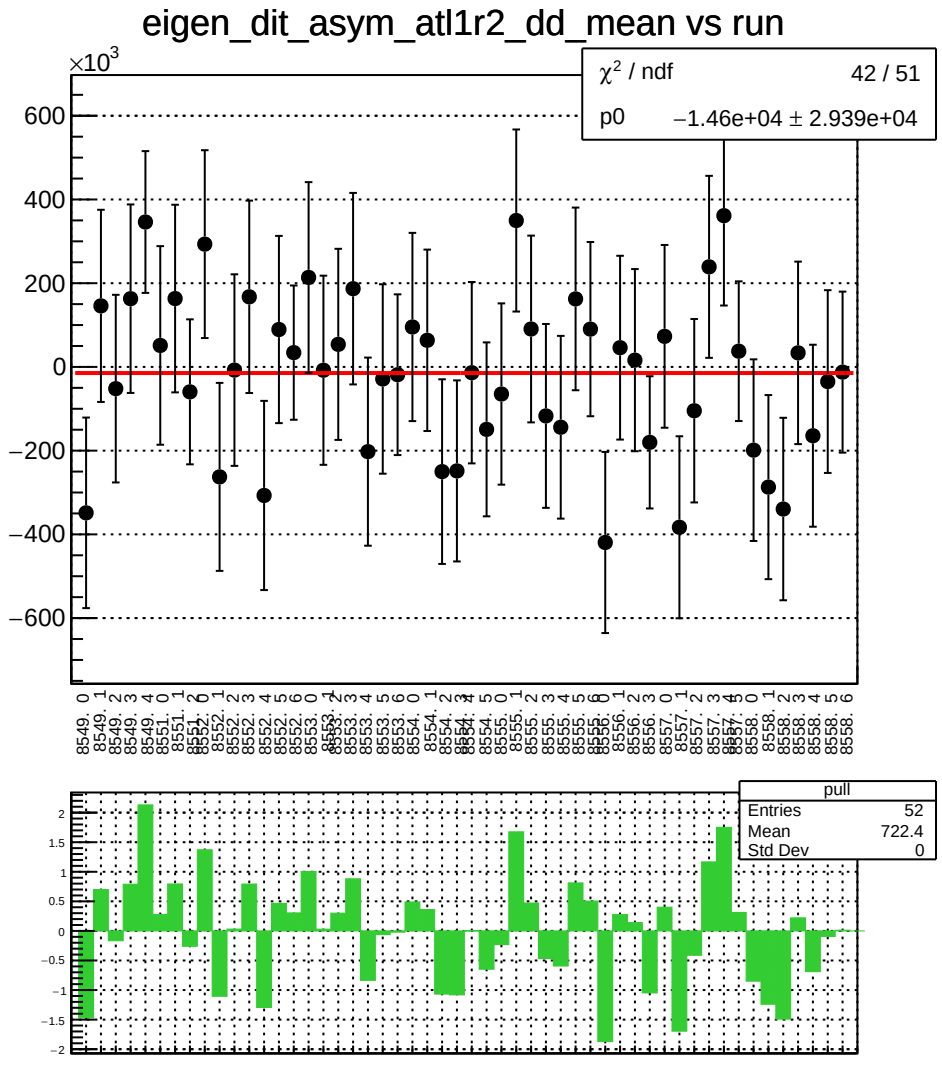

pull1D
Entries 52
Mean −0.004224
Std Dev 0.8987

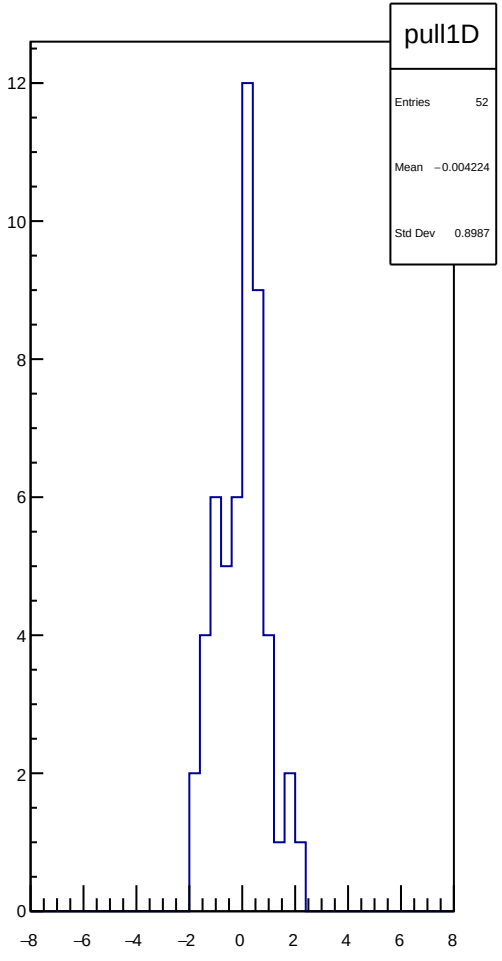

dit_asym_atl1r2_dd_rms vs run
χ² / ndf 473.7 / 51
p0 2.105e+04 ± 20.78
22500
22000
21500
21000
20500
20000
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

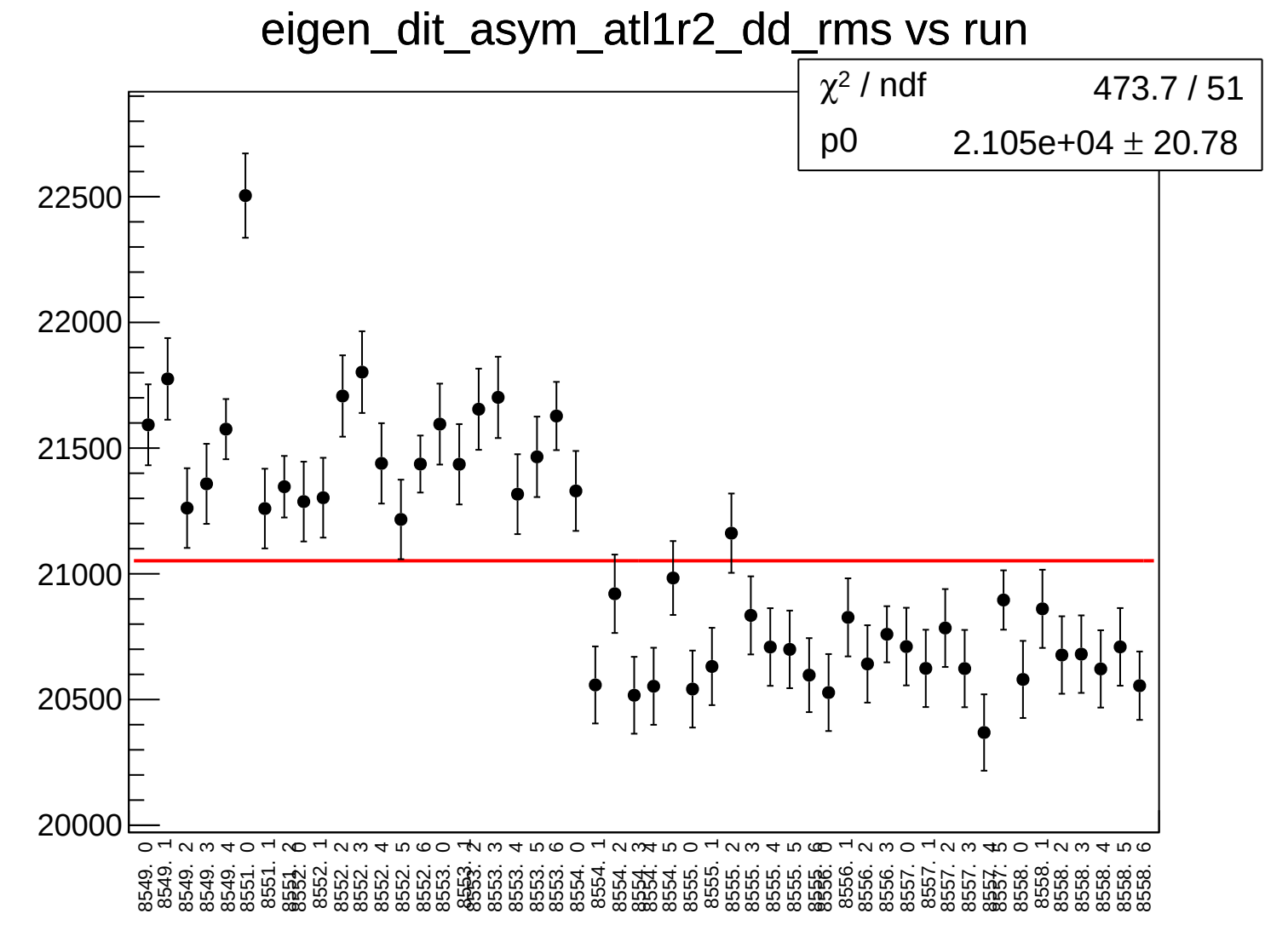

asym_atl1r2_dd_dit_correction_mean vs run
χ² / ndf 48.61 / 51
p0 27.86 ± 670.5
15000
10000
5000
0
−5000
−10000
−15000
−20000
pull
Entries 52
Mean −86.34
Std Dev 0

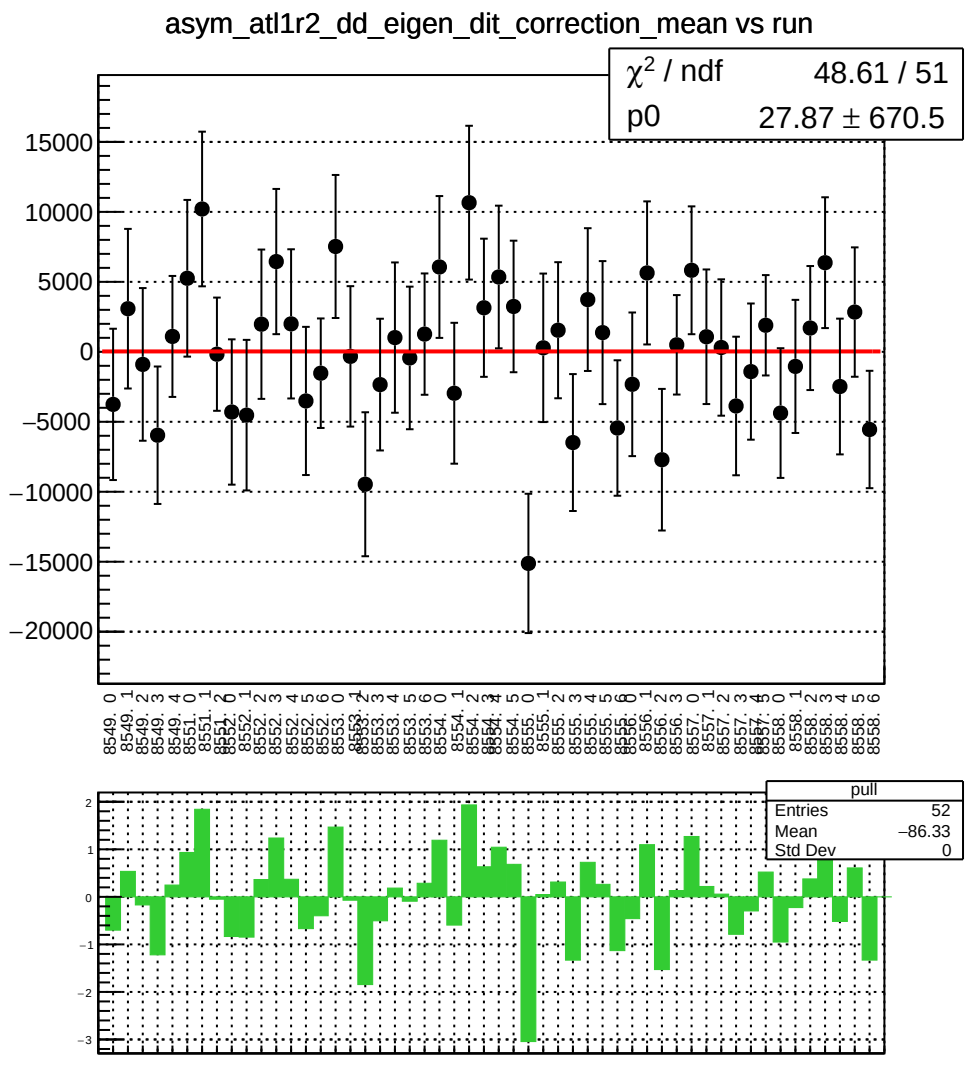

pull1D
Entries 52
Mean 0.00686
Std Dev 0.9669
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

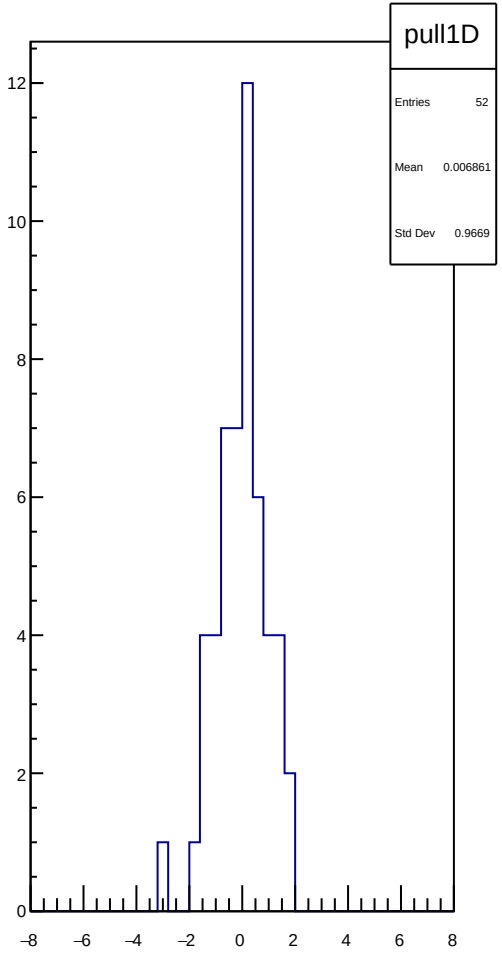

asym_atl1r2_dd_dit_correction_rms vs run
χ² / ndf 3670 / 51
p0 479.5 ± 0.4741
560
540
520
500
480
460
440
420
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 5
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6


eigen_dit_asym_atl1r2_dd_mean vs run
×10^3
χ² / ndf 42 / 51
p0 −1.46e+04 ± 2.939e+04
pull
Entries 52
Mean 722.4
Std Dev 0


pull1D
Entries 52
Mean −0.004224
Std Dev 0.8987


eigen_dit_asym_atl1r2_dd_rms vs run
χ² / ndf 473.7 / 51
p0 2.105e+04 ± 20.78
22500
22000
21500
21000
20500
20000
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6


asym_atl1r2_dd_eigen_dit_correction_mean vs run
χ² / ndf 48.61 / 51
p0 27.87 ± 670.5
15000
10000
5000
0
−5000
−10000
−15000
−20000
pull
Entries 52
Mean −86.33
Std Dev 0
2
1
0
−1
−2
−3


pull1D
Entries 52
Mean 0.006861
Std Dev 0.9669
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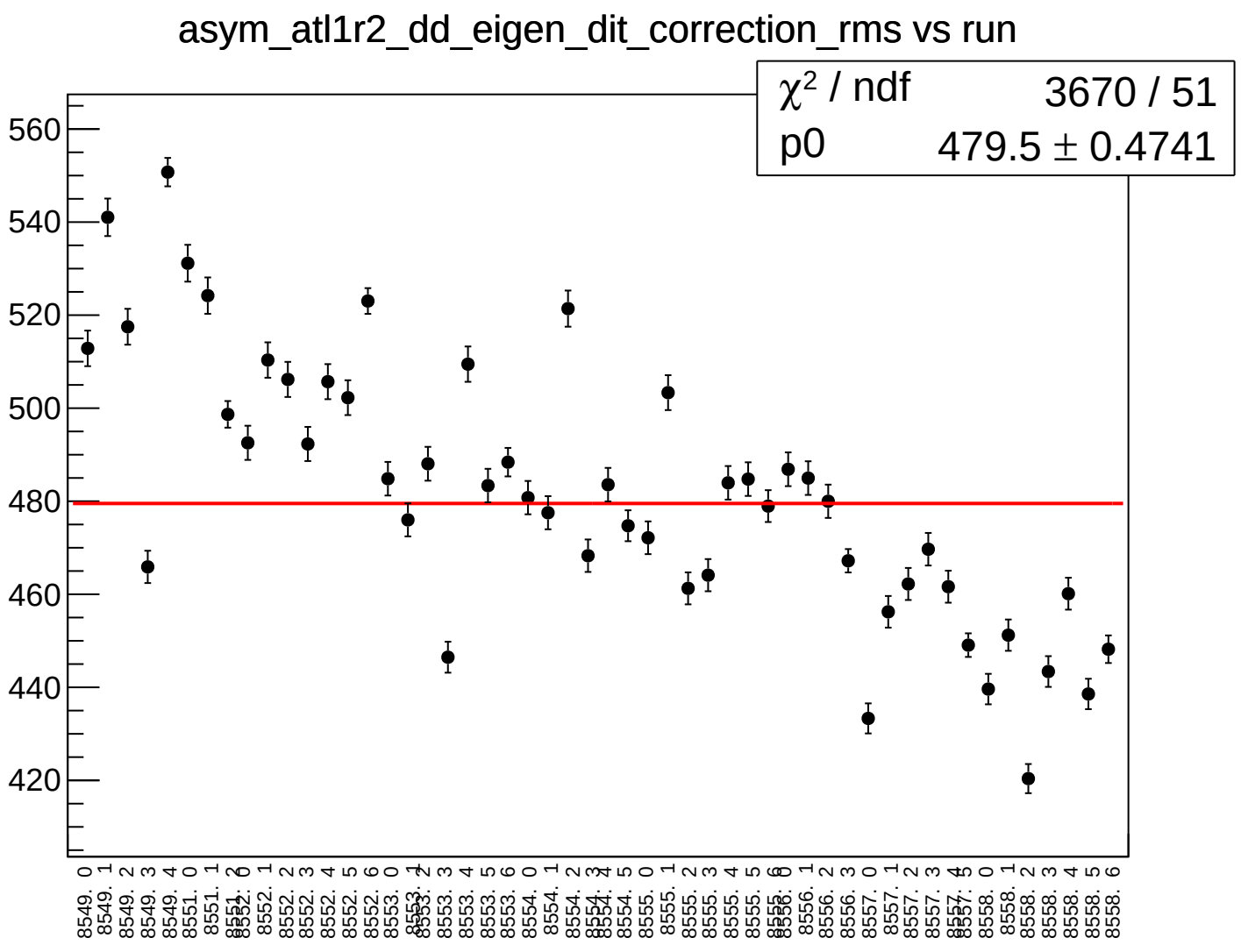
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


asym_atl1r2_dd_eigen_dit_correction_rms vs run
χ² / ndf 3670 / 51
p0 479.5 ± 0.4741
560
540
520
500
480
460
440
420
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
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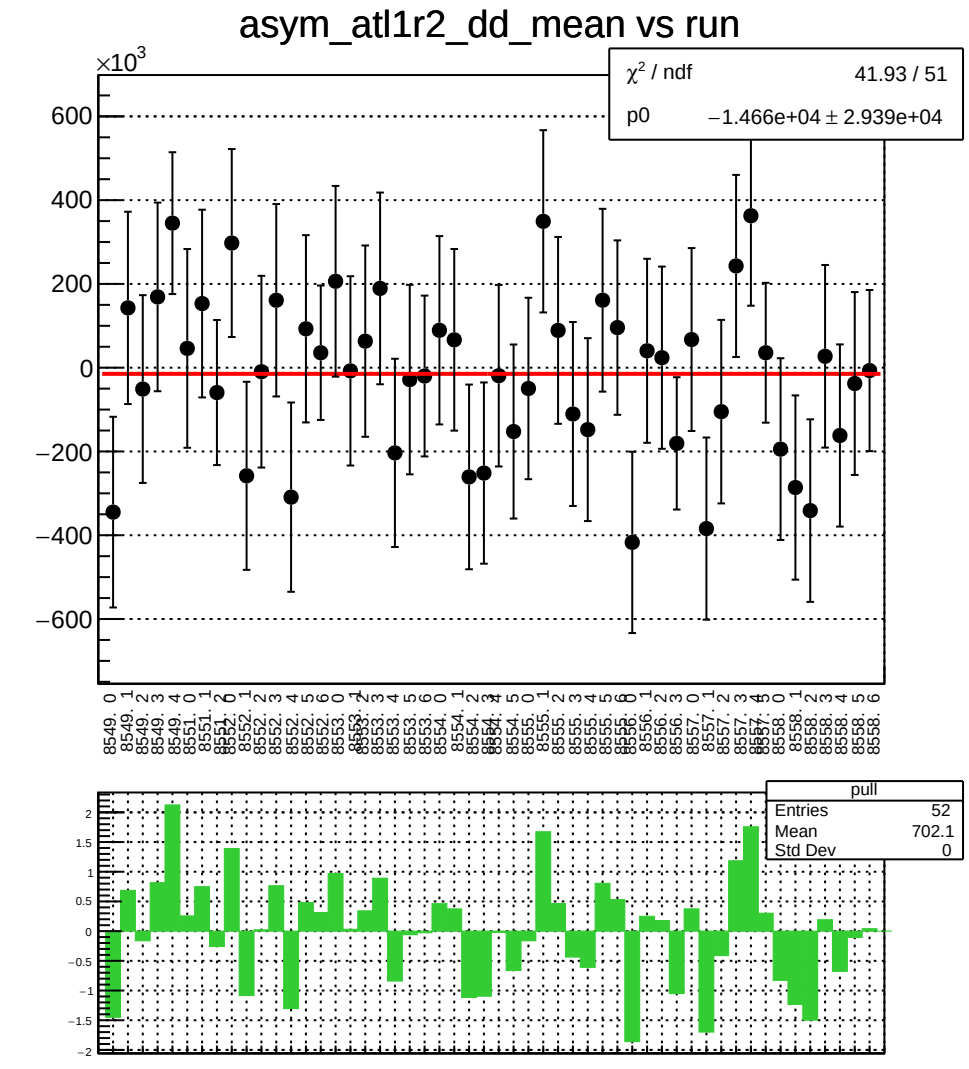
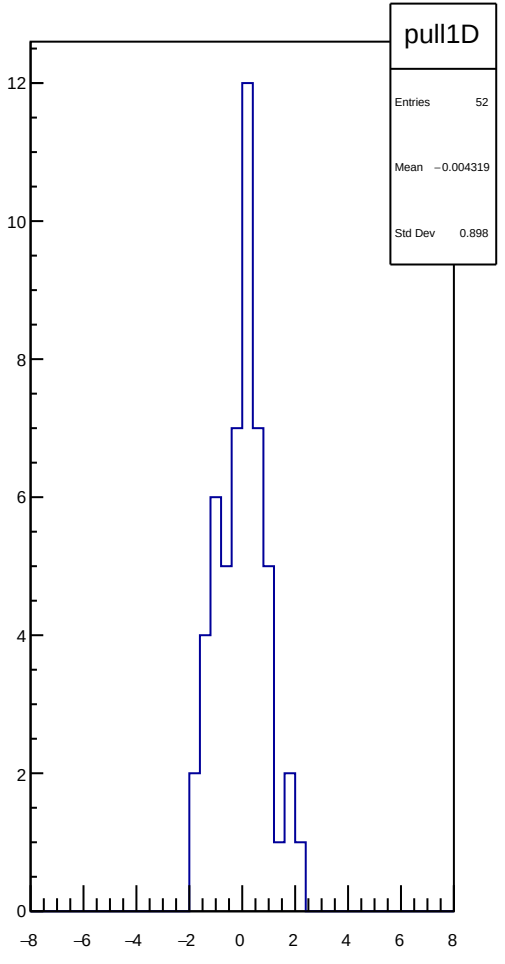
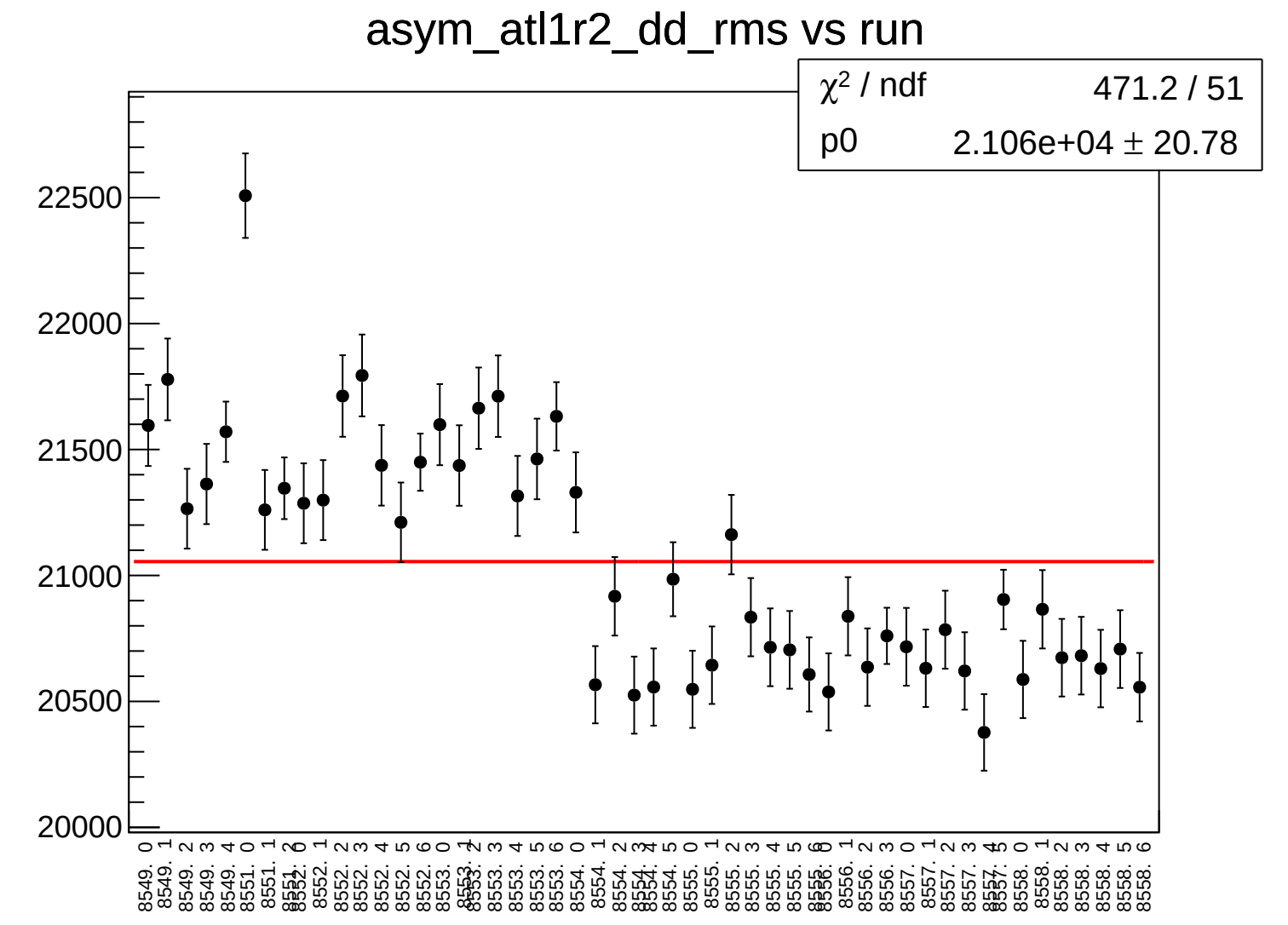
8558. 5
8558. 6


asym_atl1r2_dd_mean vs run
×10^3
χ² / ndf 41.93 / 51
p0 −1.466e+04 ± 2.939e+04
pull
Entries 52
Mean 702.1
Std Dev 0


pull1D
Entries 52
Mean −0.004319
Std Dev 0.898


asym_atl1r2_dd_rms vs run
χ² / ndf 471.2 / 51
p0 2.106e+04 ± 20.78
22500
22000
21500
21000
20500
20000
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
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8552. 5
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8553. 0
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8555. 2
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8556. 3
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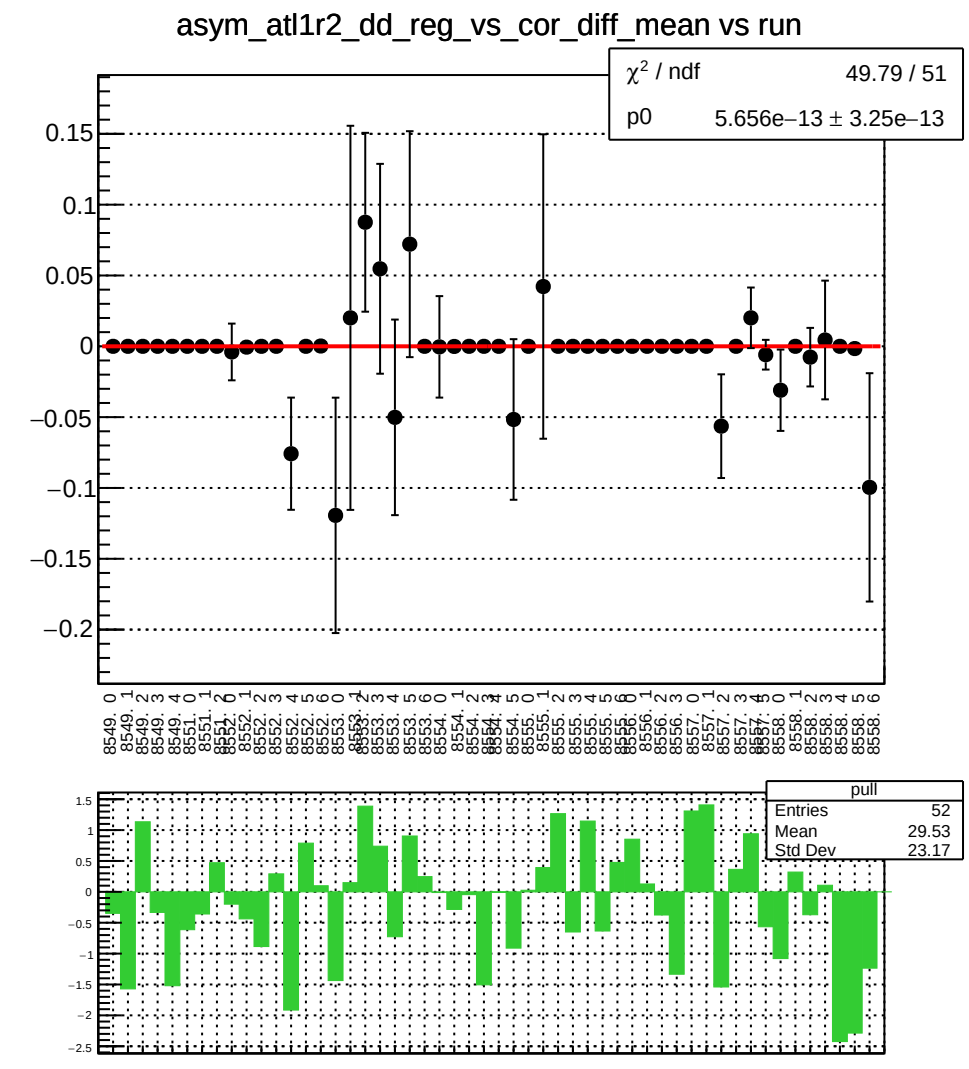
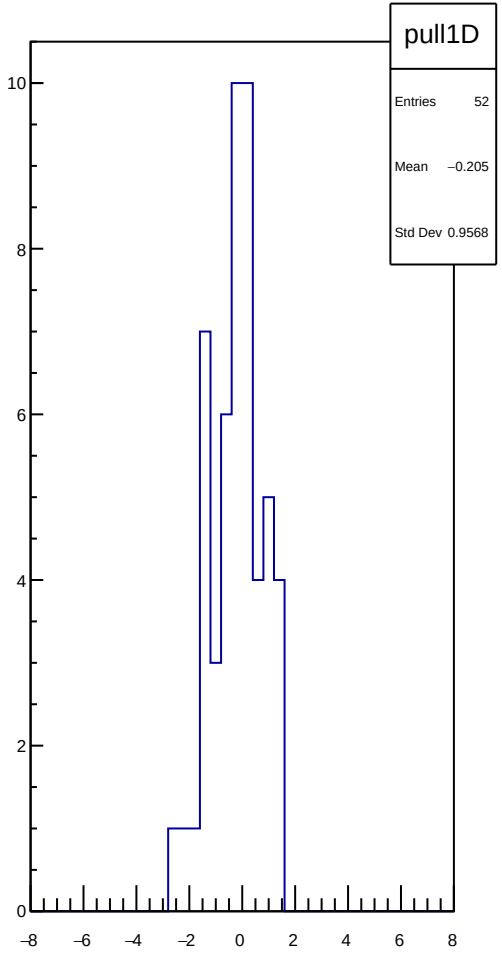
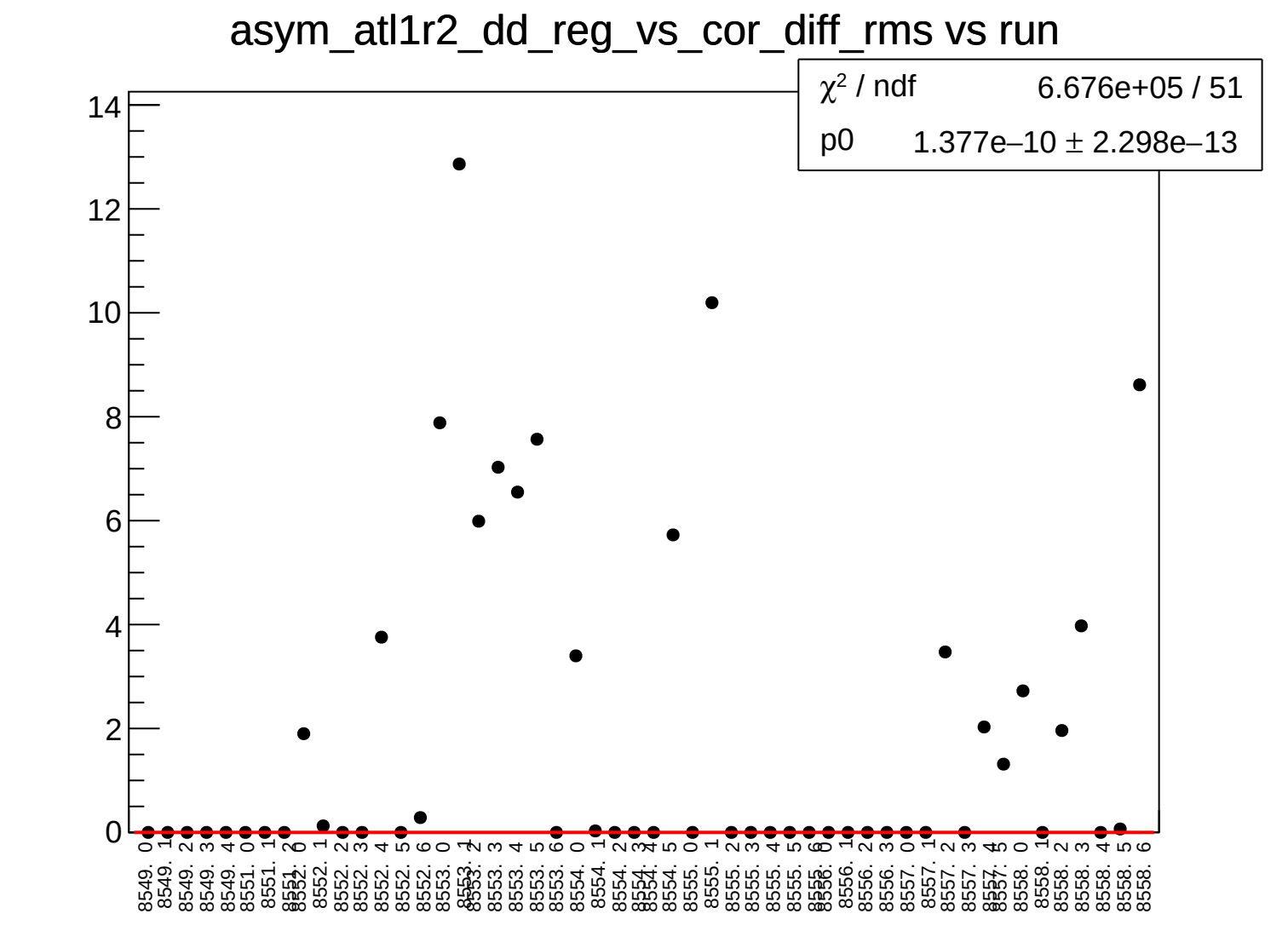
8558. 5
8558. 6


asym_atl1r2_dd_reg_vs_cor_diff_mean vs run
χ² / ndf 49.79 / 51
p0 5.656e−13 ± 3.25e−13
pull
Entries 52
Mean 29.53
Std Dev 23.17


pull1D
Entries 52
Mean −0.205
Std Dev 0.9568


asym_atl1r2_dd_reg_vs_cor_diff_rms vs run
χ² / ndf 6.676e+05 / 51
p0 1.377e−10 ± 2.298e−13
14
12
10
8
6
4
2
0
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 0
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 1
8553. 2
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 3
8554. 4
8554. 5
8555. 0
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8555. 2
8555. 3
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8555. 5
8555. 6
8556. 0
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
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8557. 5
8558. 0
8558. 1
8558. 2
8558. 3
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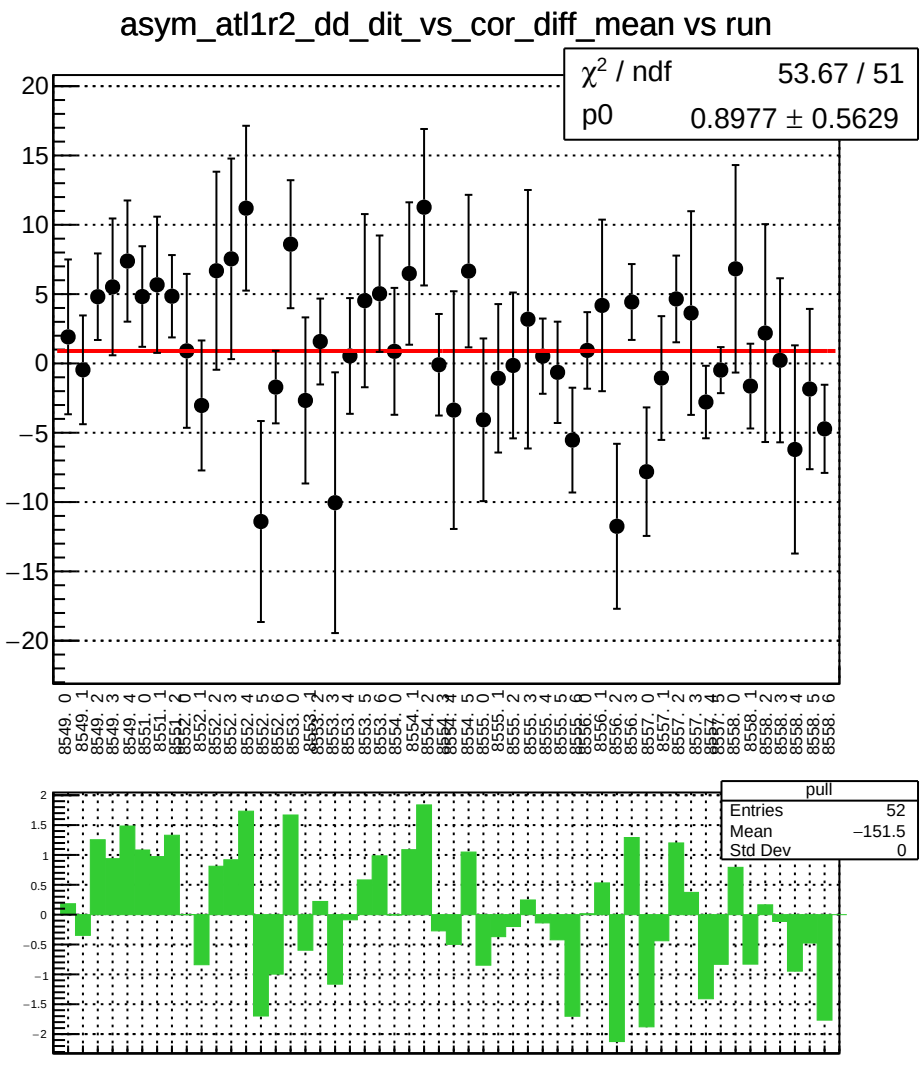
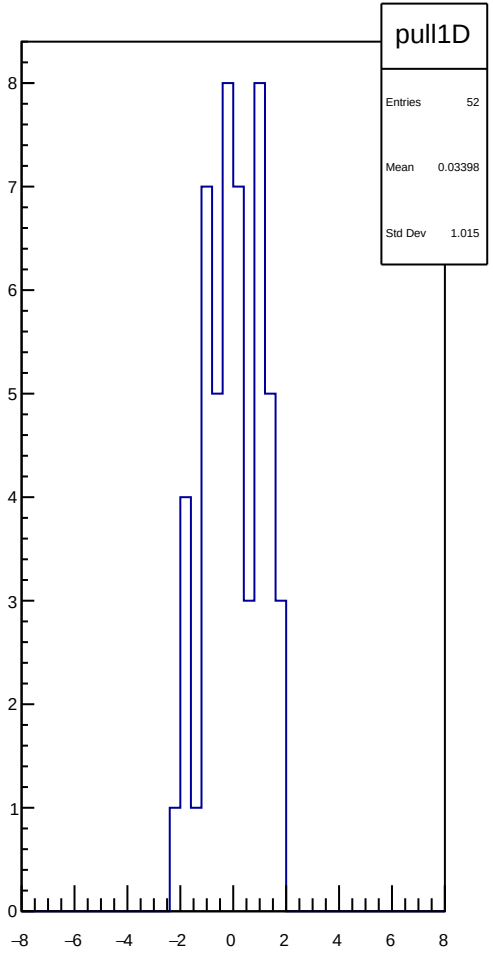
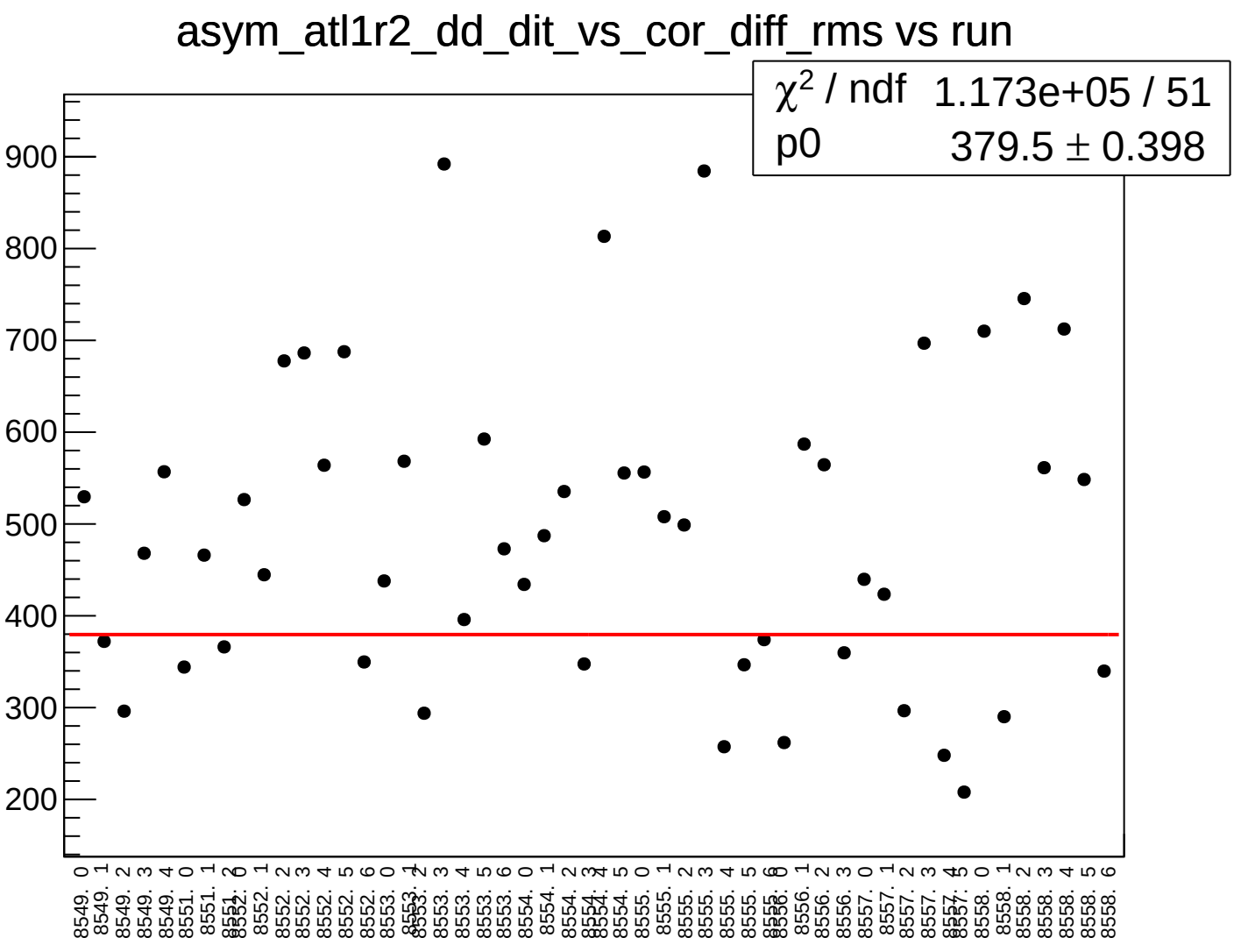
8558. 6


asym_atl1r2_dd_dit_vs_cor_diff_mean vs run
χ² / ndf 53.67 / 51
p0 0.8977 ± 0.5629
pull
Entries 52
Mean −151.5
Std Dev 0


pull1D
Entries 52
Mean 0.03398
Std Dev 1.015


asym_atl1r2_dd_dit_vs_cor_diff_rms vs run
χ² / ndf 1.173e+05 / 51
p0 379.5 ± 0.398
900
800
700
600
500
400
300
200
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 5
8555. 0
8555. 1
8555. 2
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8556. 1
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8556. 3
8557. 0
8557. 1
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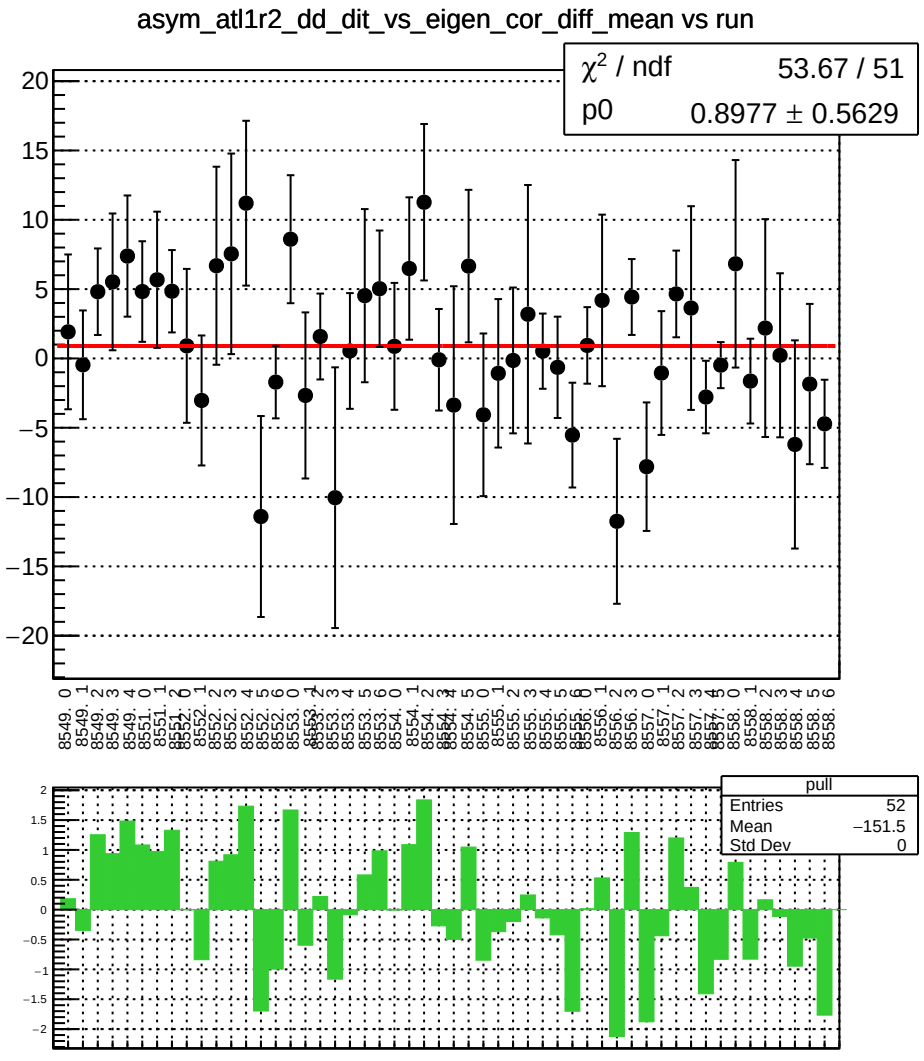
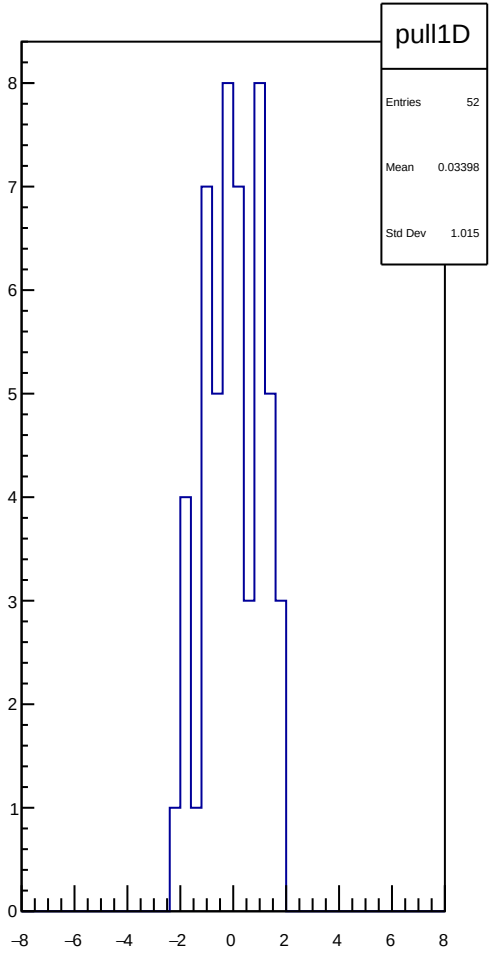
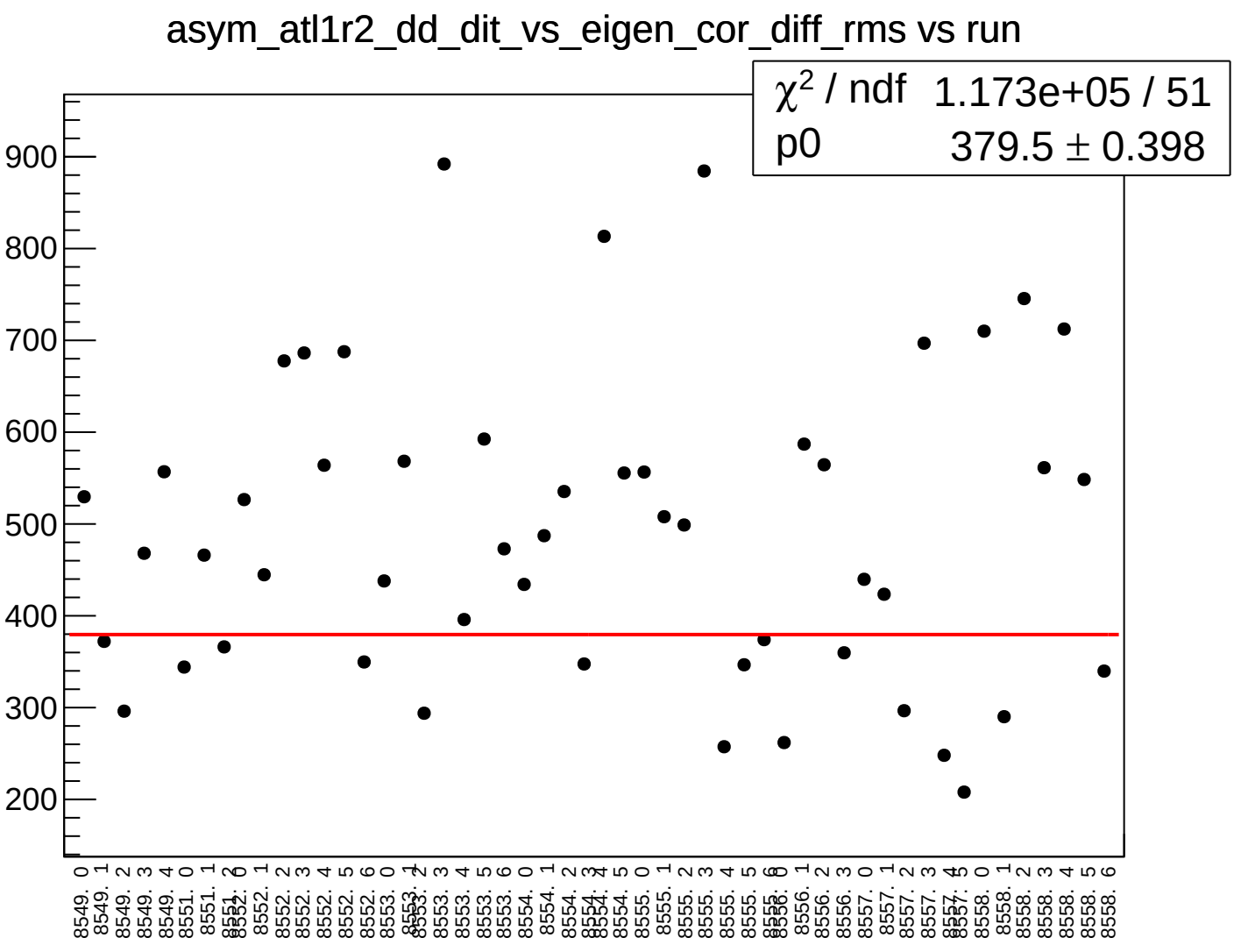
8558. 5
8558. 6


asym_atl1r2_dd_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 53.67 / 51
p0 0.8977 ± 0.5629
pull
Entries 52
Mean −151.5
Std Dev 0


pull1D
Entries 52
Mean 0.03398
Std Dev 1.015


asym_atl1r2_dd_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.173e+05 / 51
p0 379.5 ± 0.398
900
800
700
600
500
400
300
200
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
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8555. 0
8555. 1
8555. 2
8555. 3
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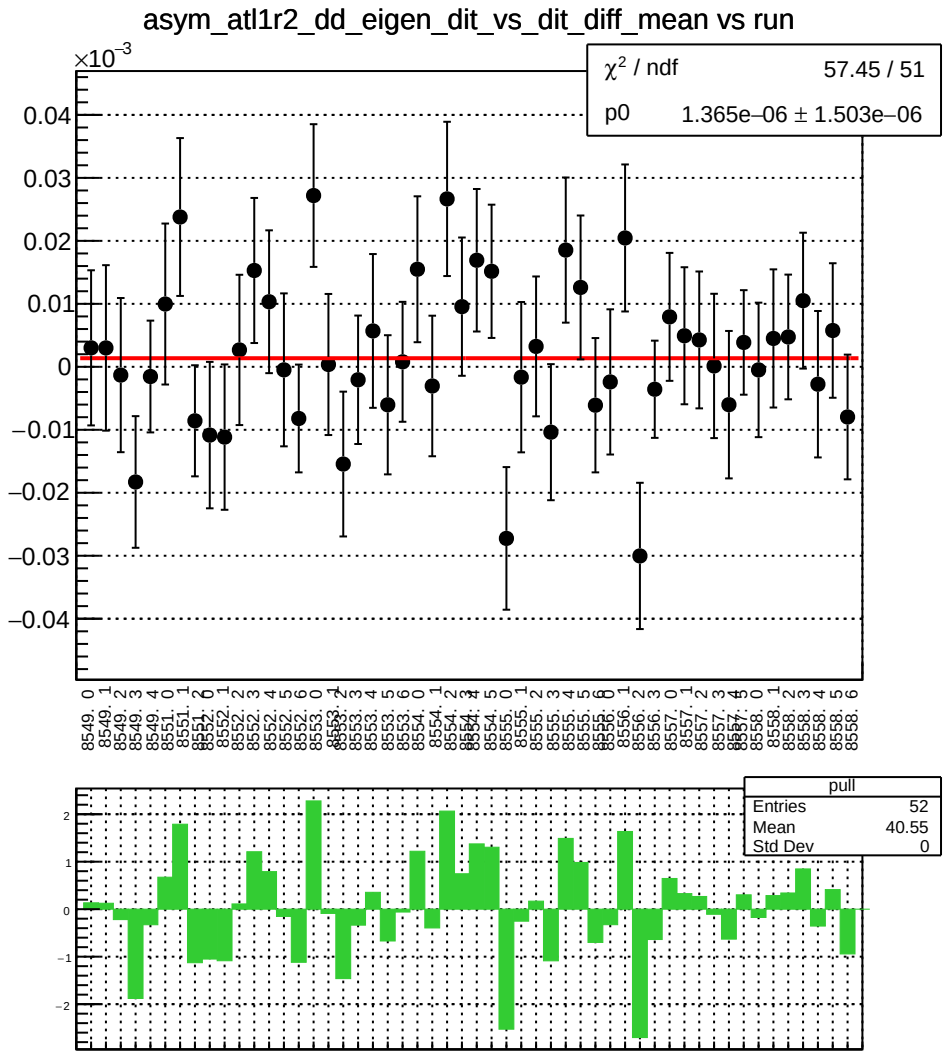
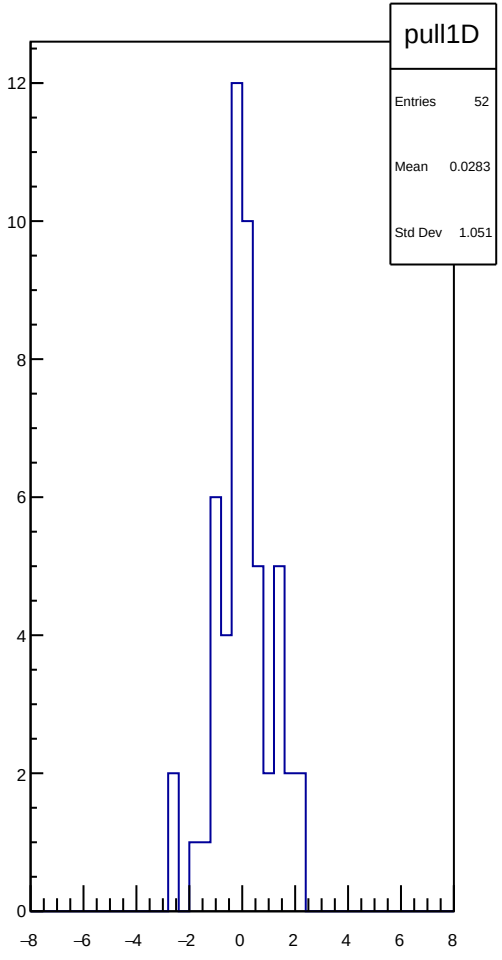
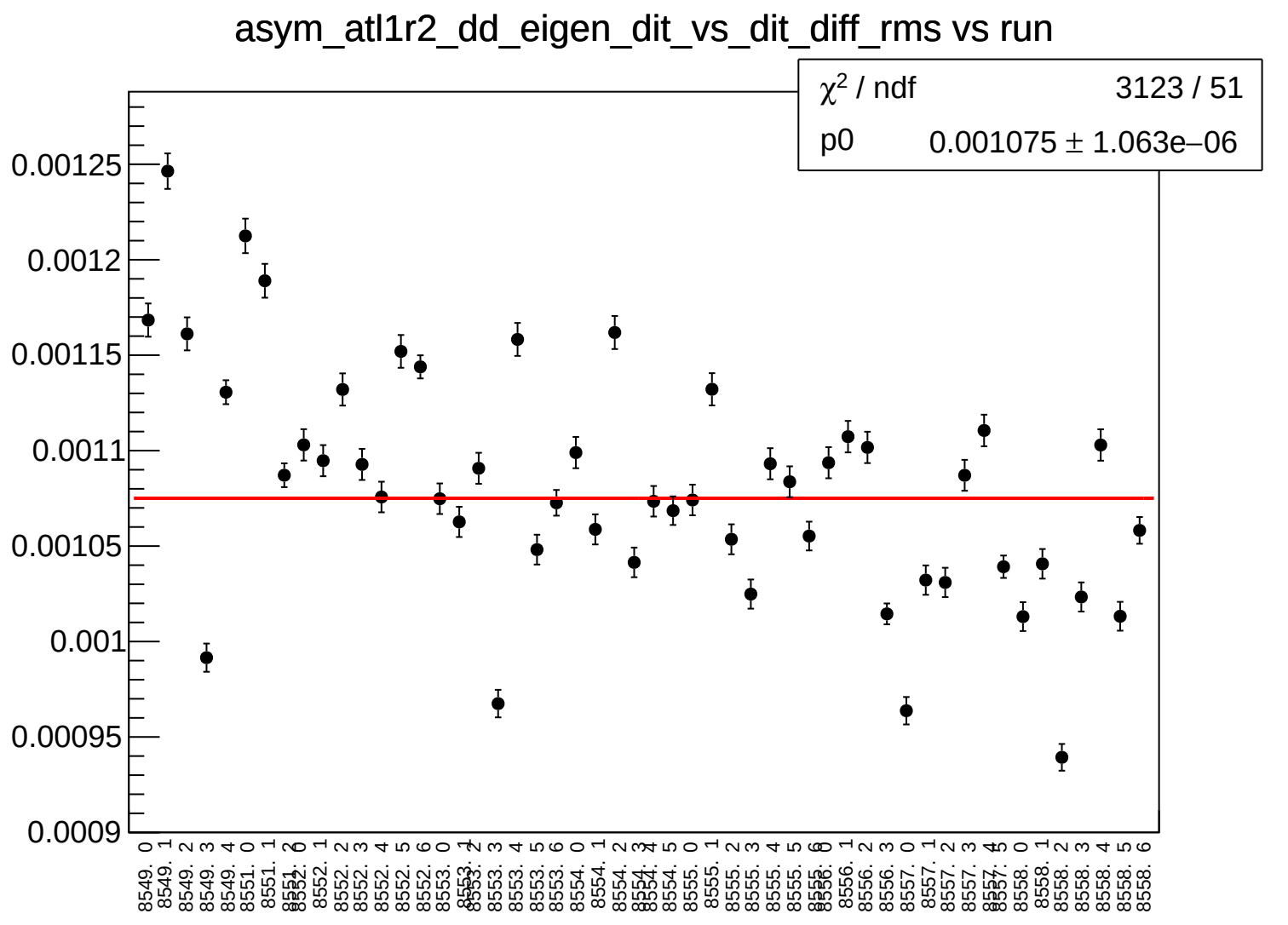
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6


asym_atl1r2_dd_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 57.45 / 51
p0 1.365e−06 ± 1.503e−06
pull
Entries 52
Mean 40.55
Std Dev 0


pull1D
Entries 52
Mean 0.0283
Std Dev 1.051


asym_atl1r2_dd_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 3123 / 51
p0 0.001075 ± 1.063e−06
0.00125
0.0012
0.00115
0.0011
0.00105
0.001
0.00095
0.0009
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8555. 0
8555. 1
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8555. 3
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8556. 2
8556. 3
8557. 0
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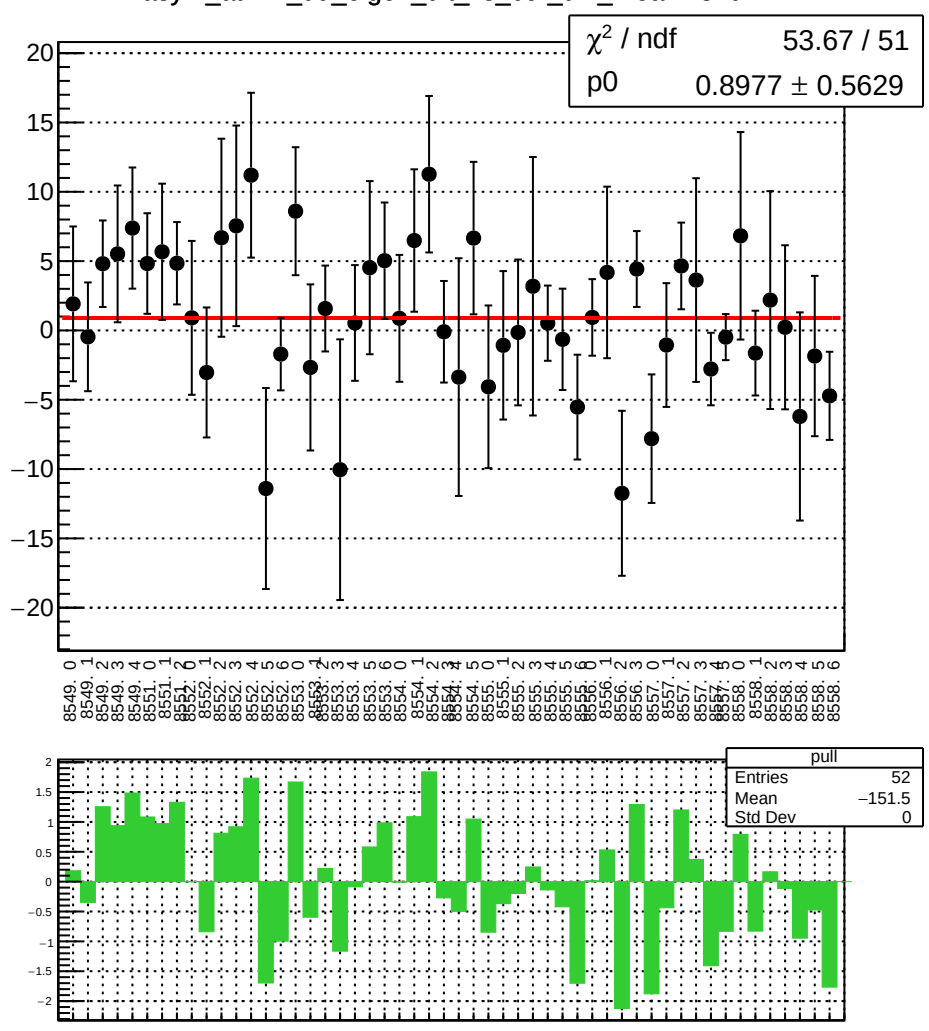
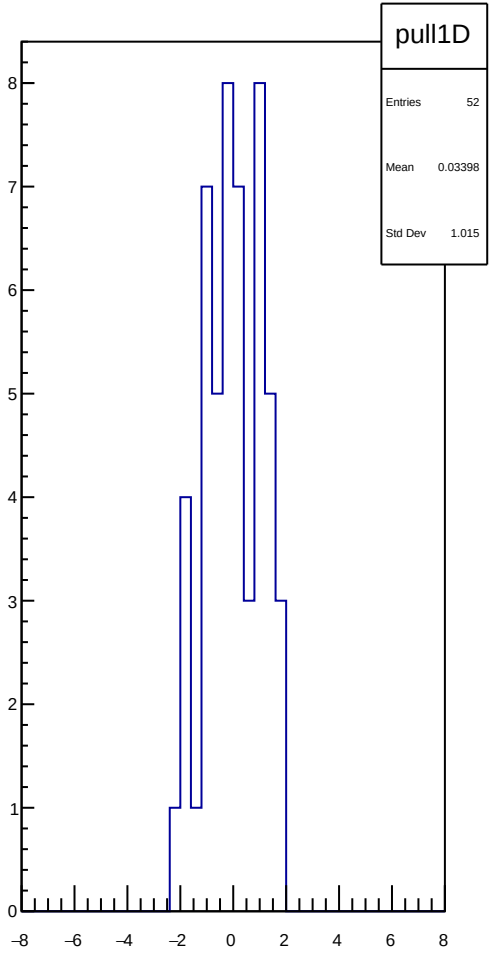
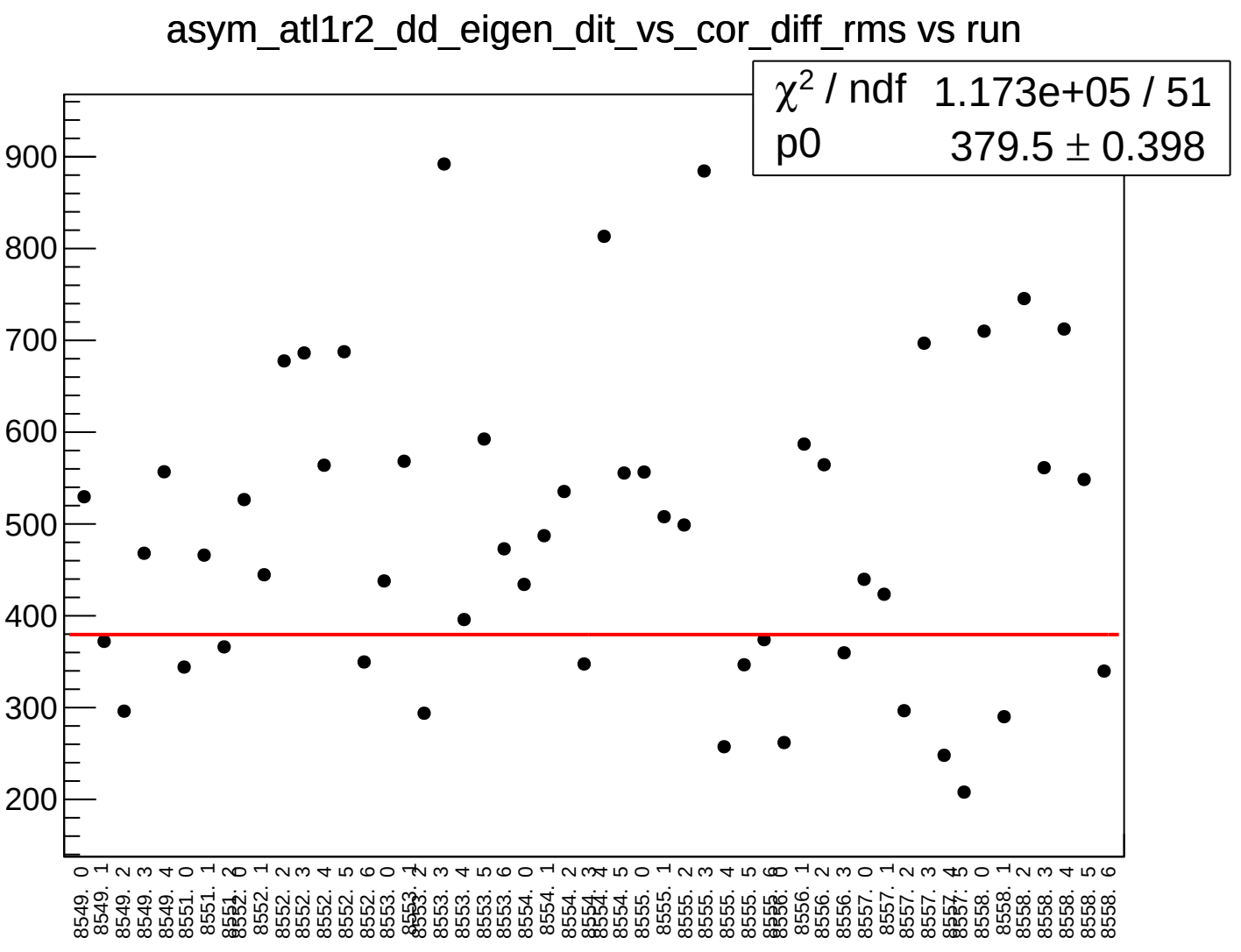
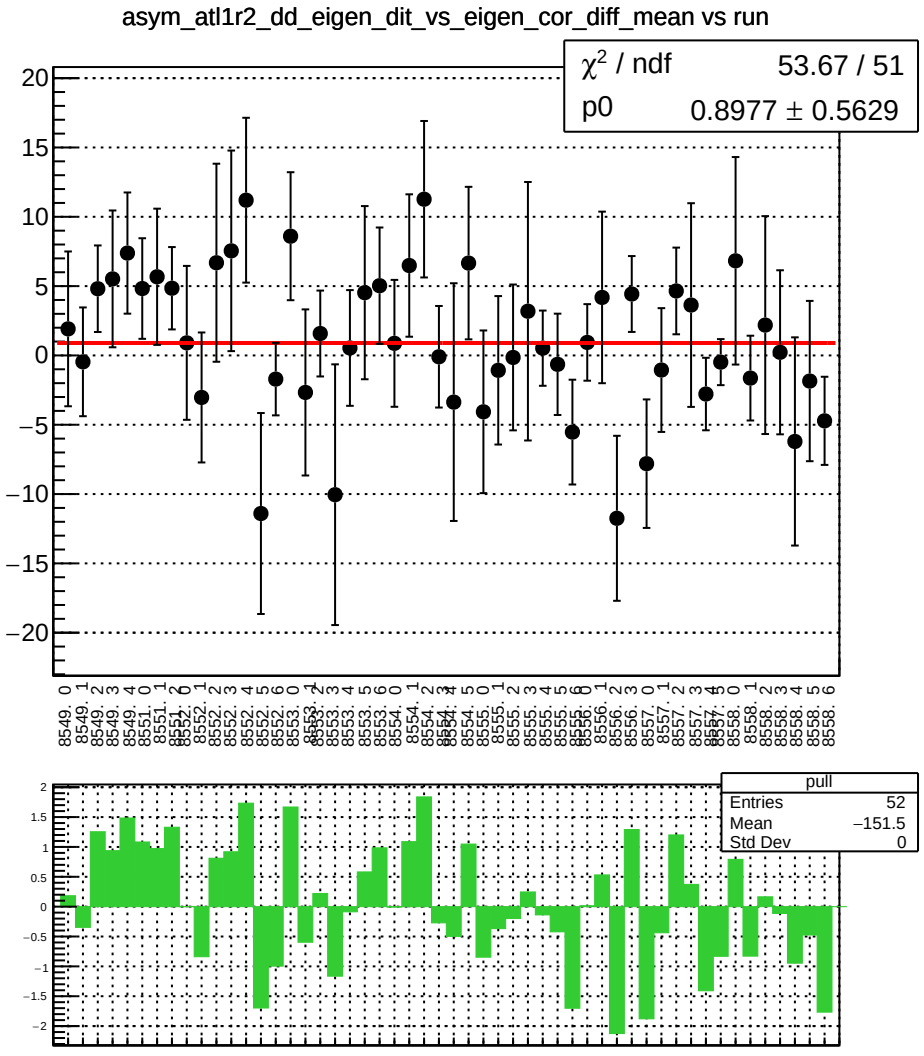
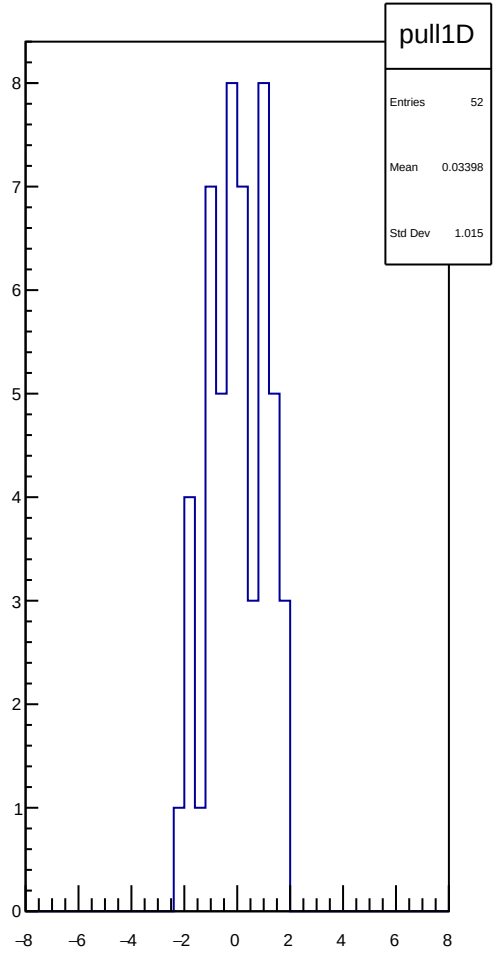
8558. 5
8558. 6

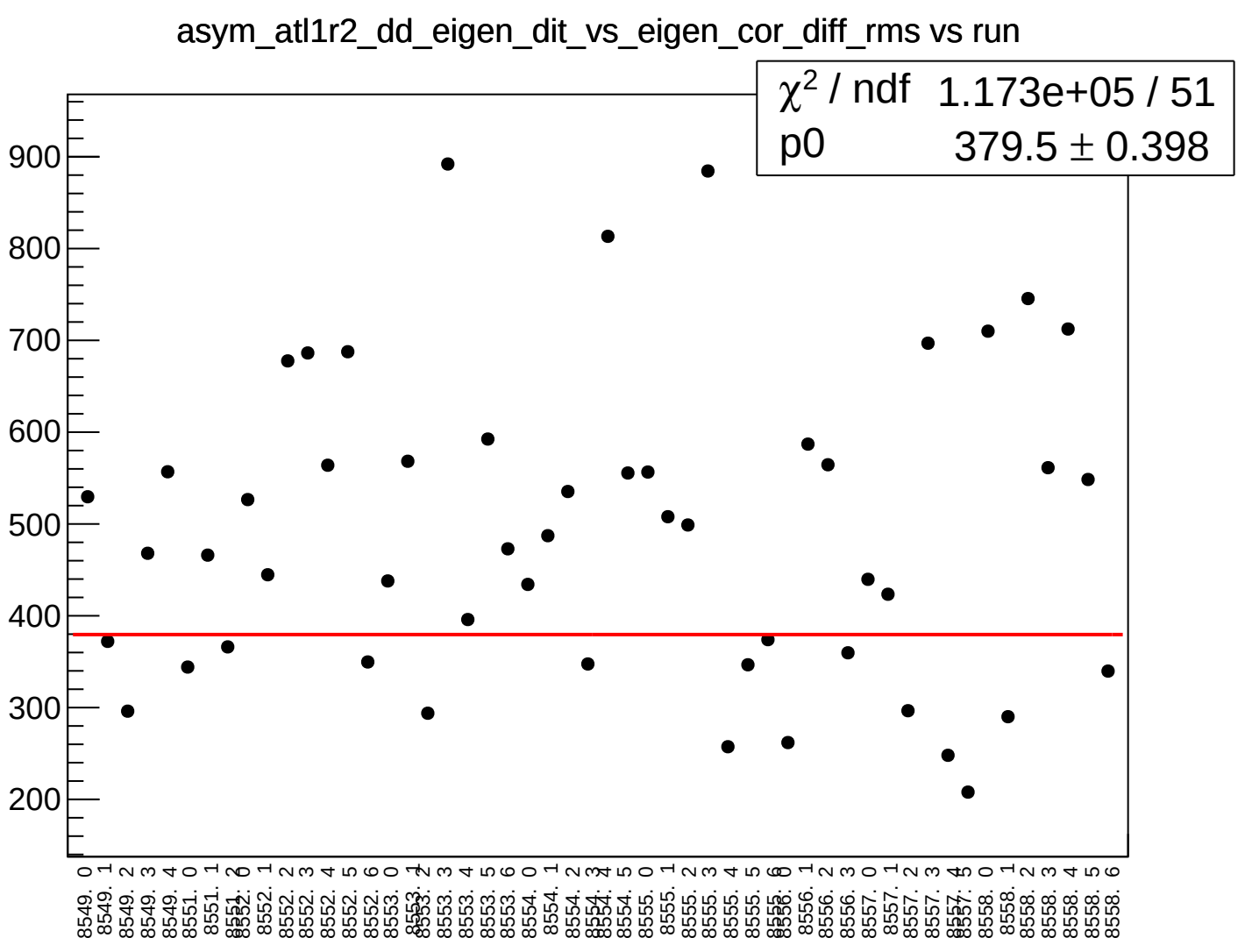

asym_atl1r2_dd_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 53.67 / 51
p0 0.8977 ± 0.5629
pull
Entries 52
Mean −151.5
Std Dev 0


pull1D
Entries 52
Mean 0.03398
Std Dev 1.015


asym_atl1r2_dd_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 1.173e+05 / 51
p0 379.5 ± 0.398
900
800
700
600
500
400
300
200
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 5
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6


asym_atl1r2_dd_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 53.67 / 51
p0 0.8977 ± 0.5629
pull
Entries 52
Mean −151.5
Std Dev 0


pull1D
Entries 52
Mean 0.03398
Std Dev 1.015


asym_atl1r2_dd_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.173e+05 / 51
p0 379.5 ± 0.398
900
800
700
600
500
400
300
200
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 5
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
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8557. 3
8558. 0
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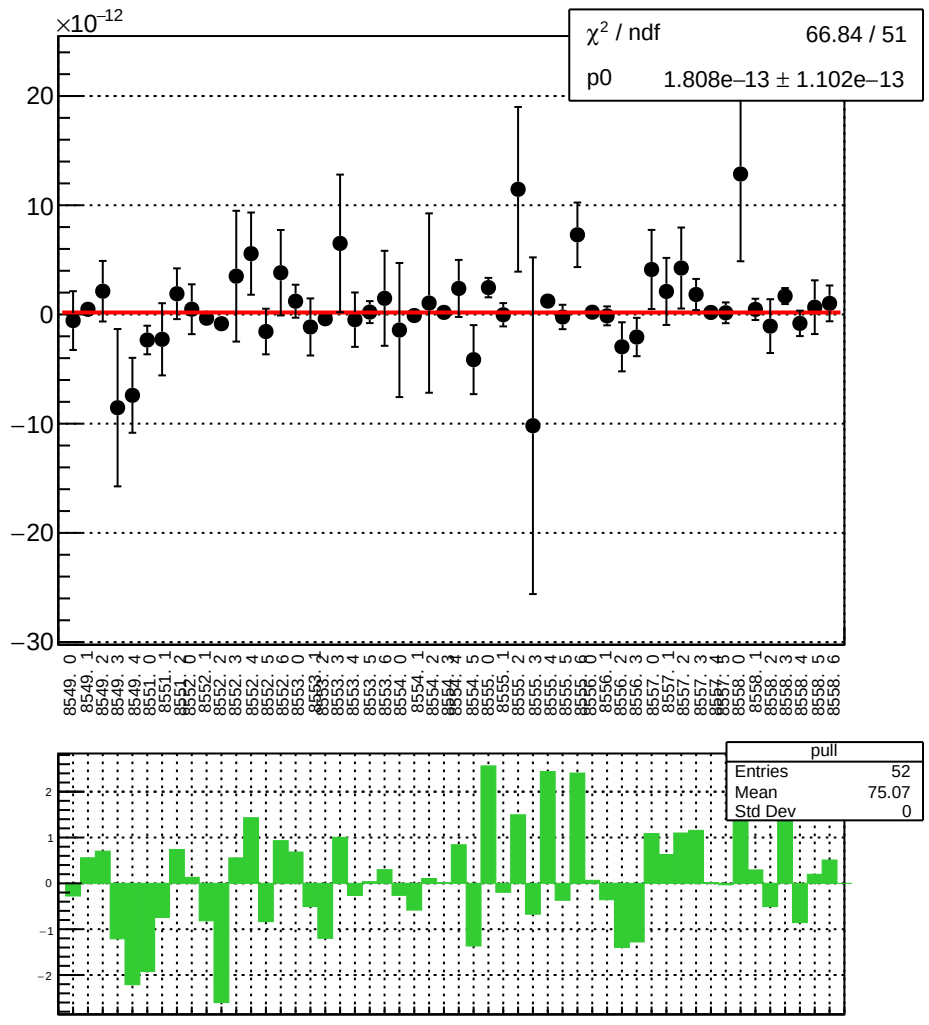
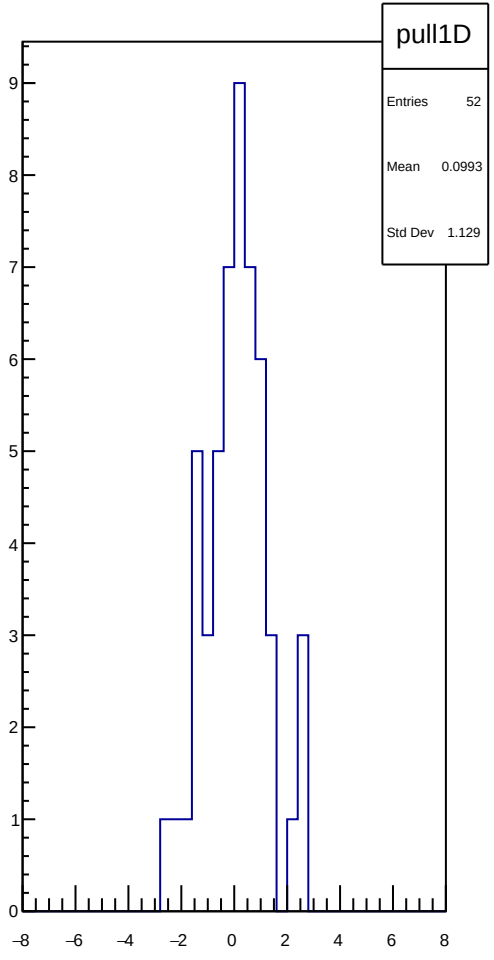
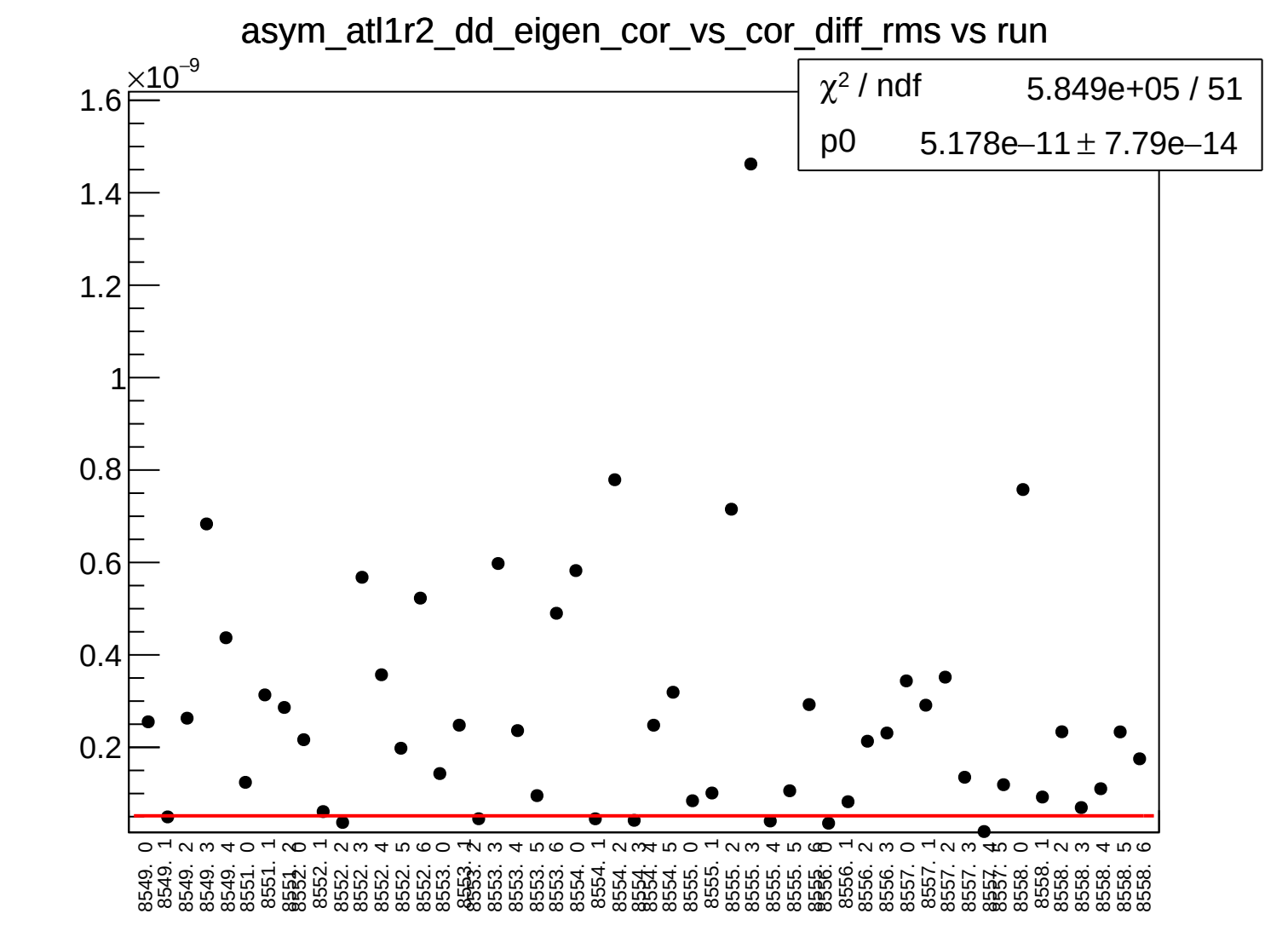
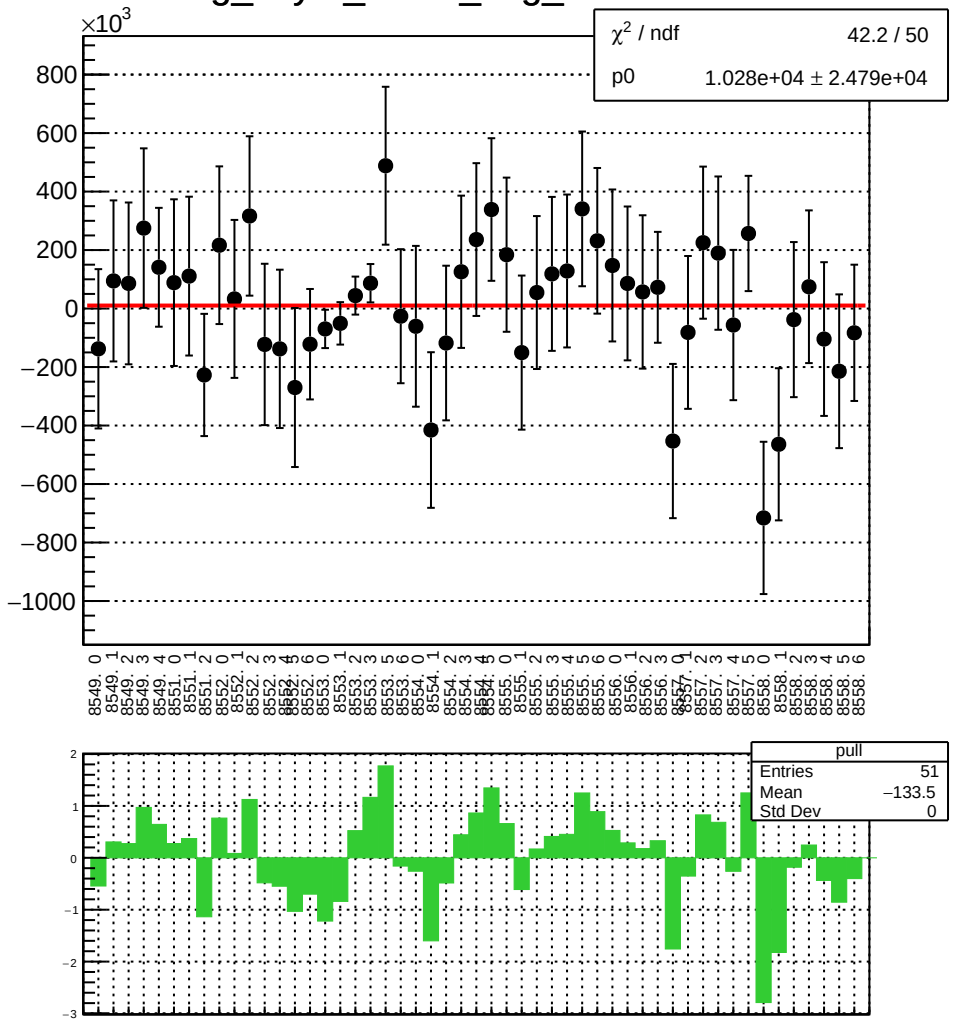
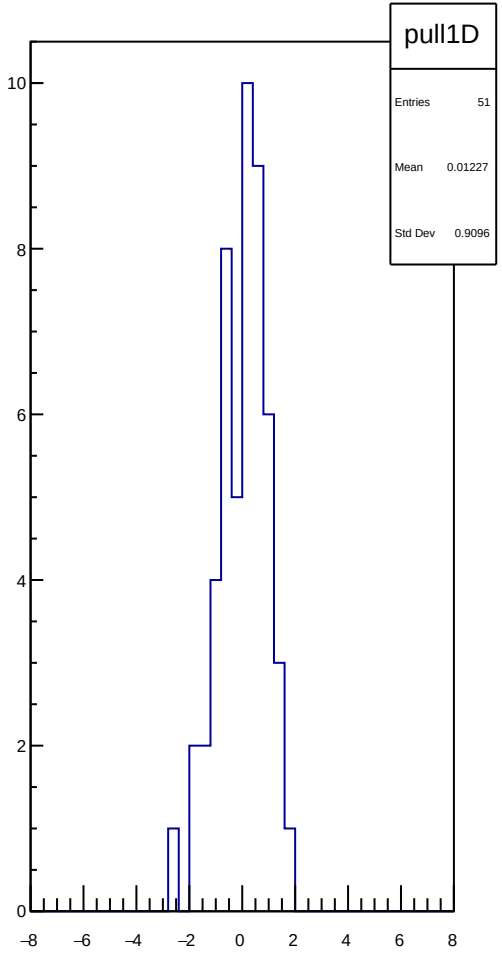
8558. 5
8558. 6

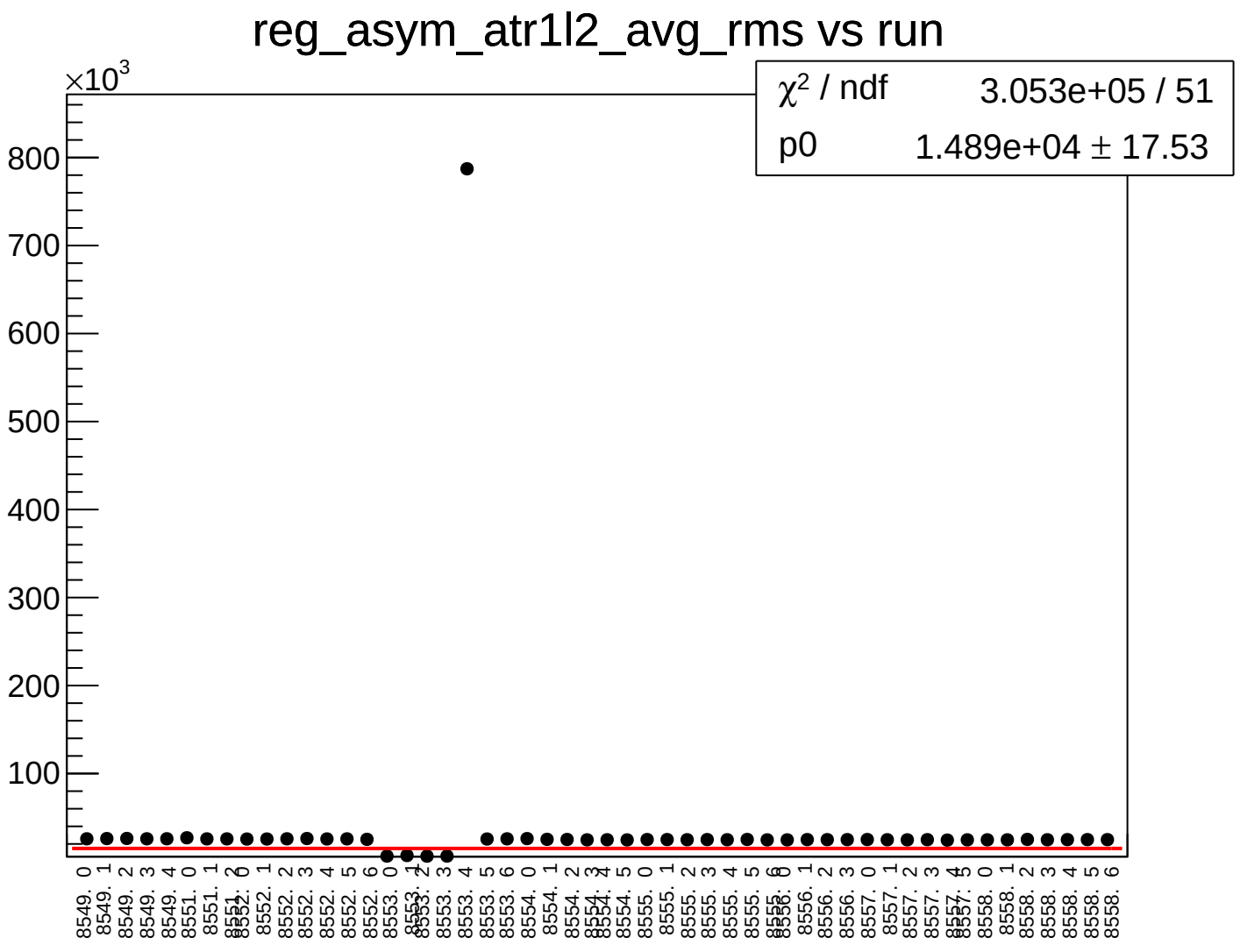

asym_atl1r2_dd_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 66.84 / 51
p0 1.808e−13 ± 1.102e−13
pull
Entries 52
Mean 75.07
Std Dev 0

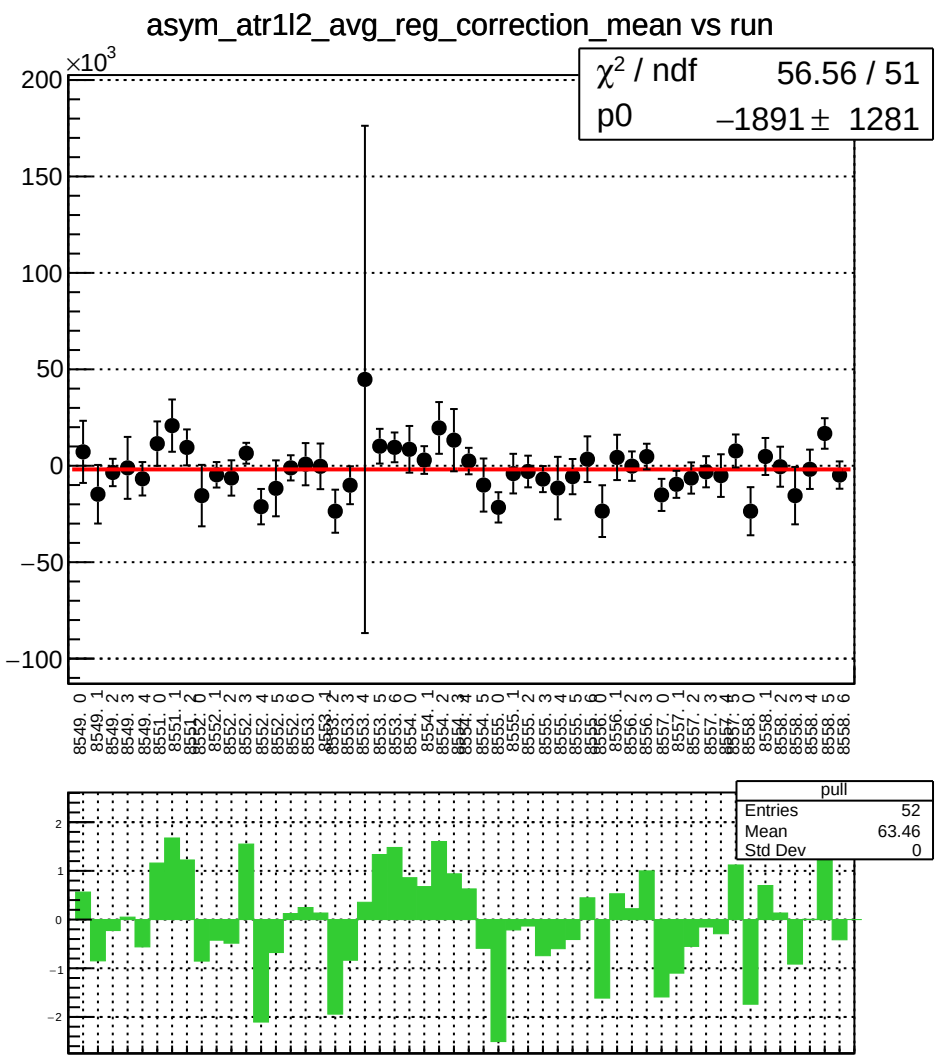

pull1D
Entries 52
Mean 0.0993
Std Dev 1.129

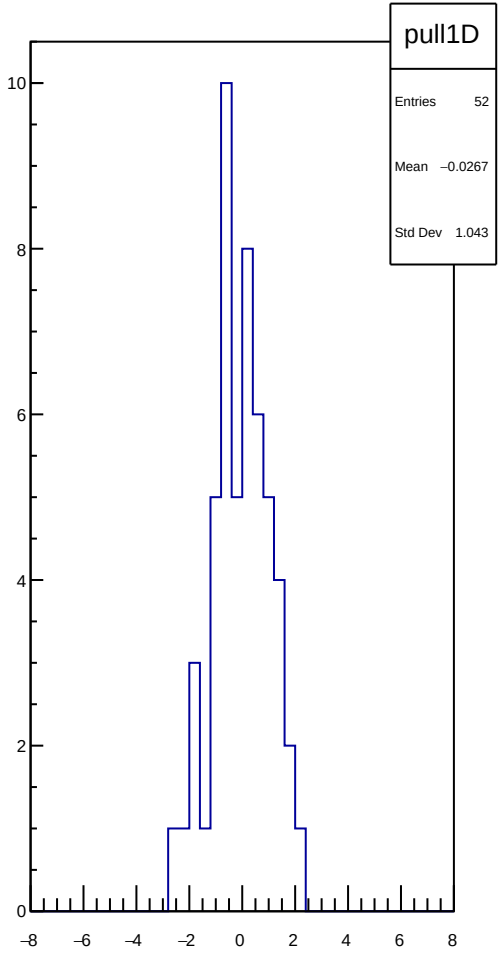

asym_atl1r2_dd_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 5.849e+05 / 51
p0 5.178e−11 ± 7.79e−14
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

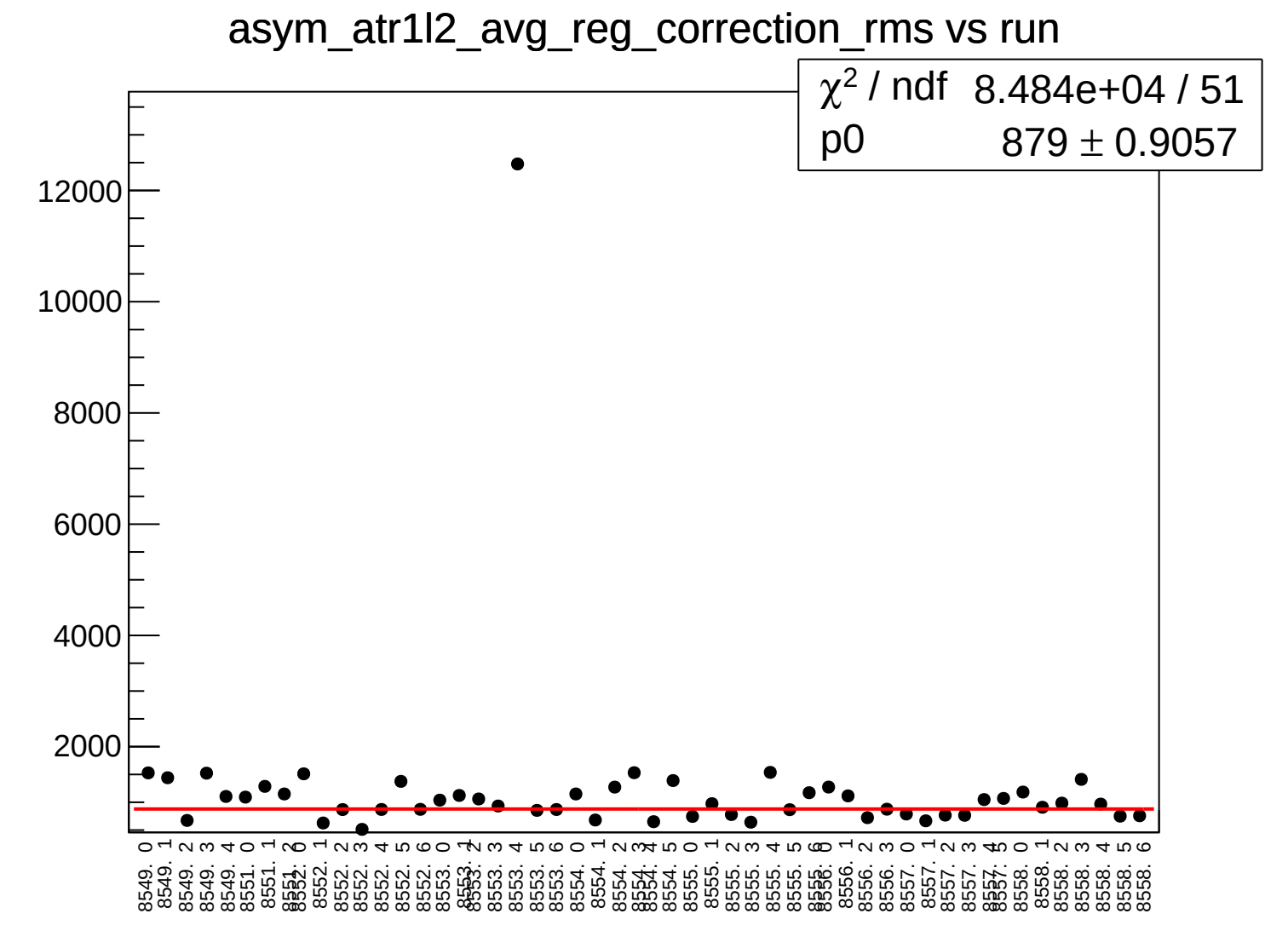

reg_asym_atr1l2_avg_mean vs run
×10^3
χ² / ndf 42.2 / 50
p0 1.028e+04 ± 2.479e+04
pull
Entries 51
Mean −133.5
Std Dev 0

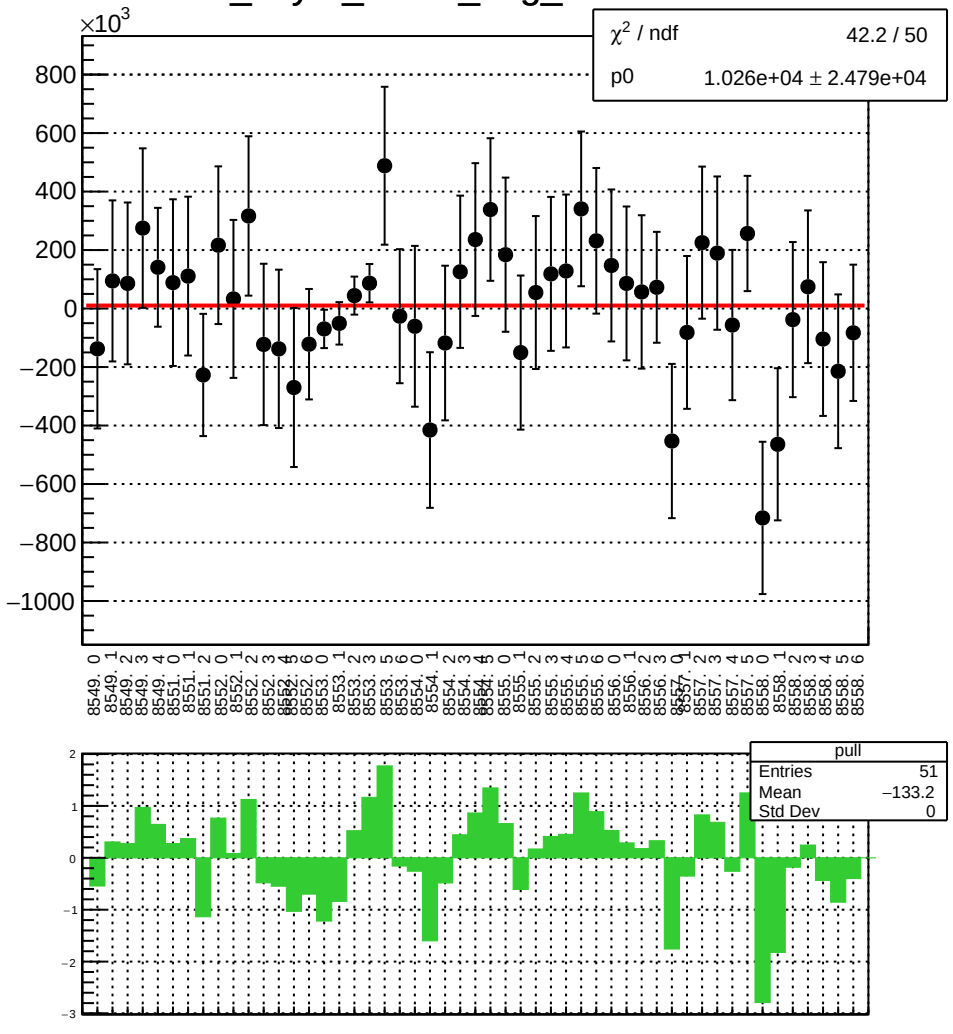

pull1D
Entries 51
Mean 0.01227
Std Dev 0.9096

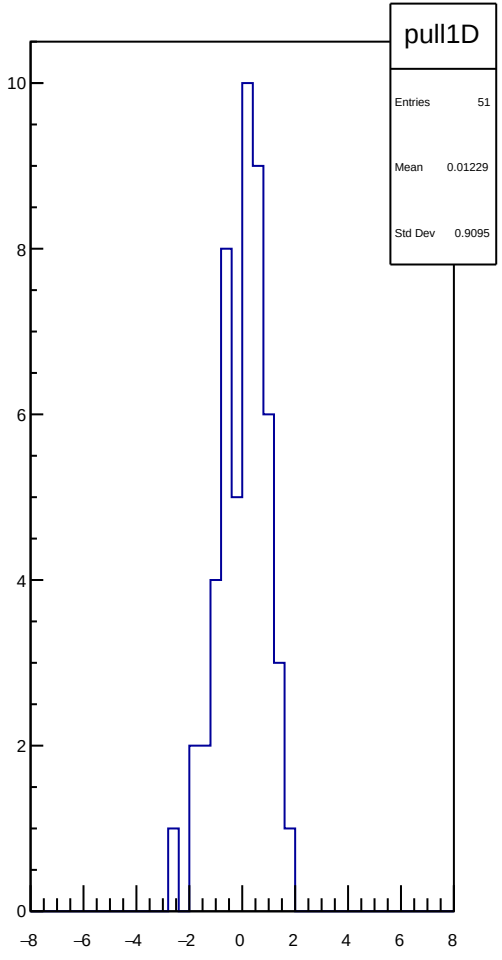

reg_asym_atr1l2_avg_rms vs run
×10^3
χ² / ndf 3.053e+05 / 51
p0 1.489e+04 ± 17.53
800
700
600
500
400
300
200
100
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 1
8553. 2
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 5
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

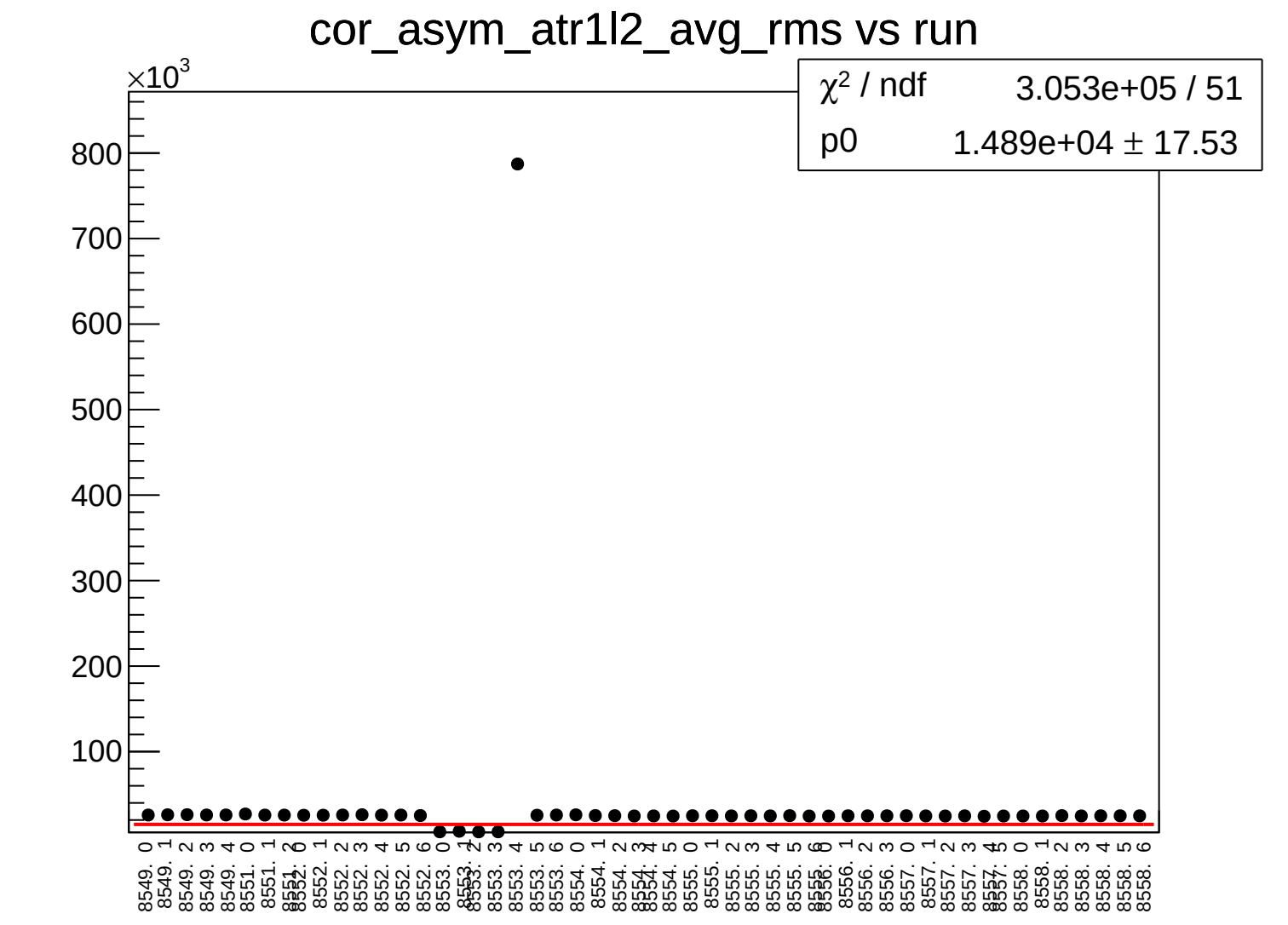

asym_atr1l2_avg_reg_correction_mean vs run
×10^3
χ² / ndf 56.56 / 51
p0 −1891 ± 1281
200
150
100
50
0
−50
−100
pull
Entries 52
Mean 63.46
Std Dev 0
2
1
0
−1
−2

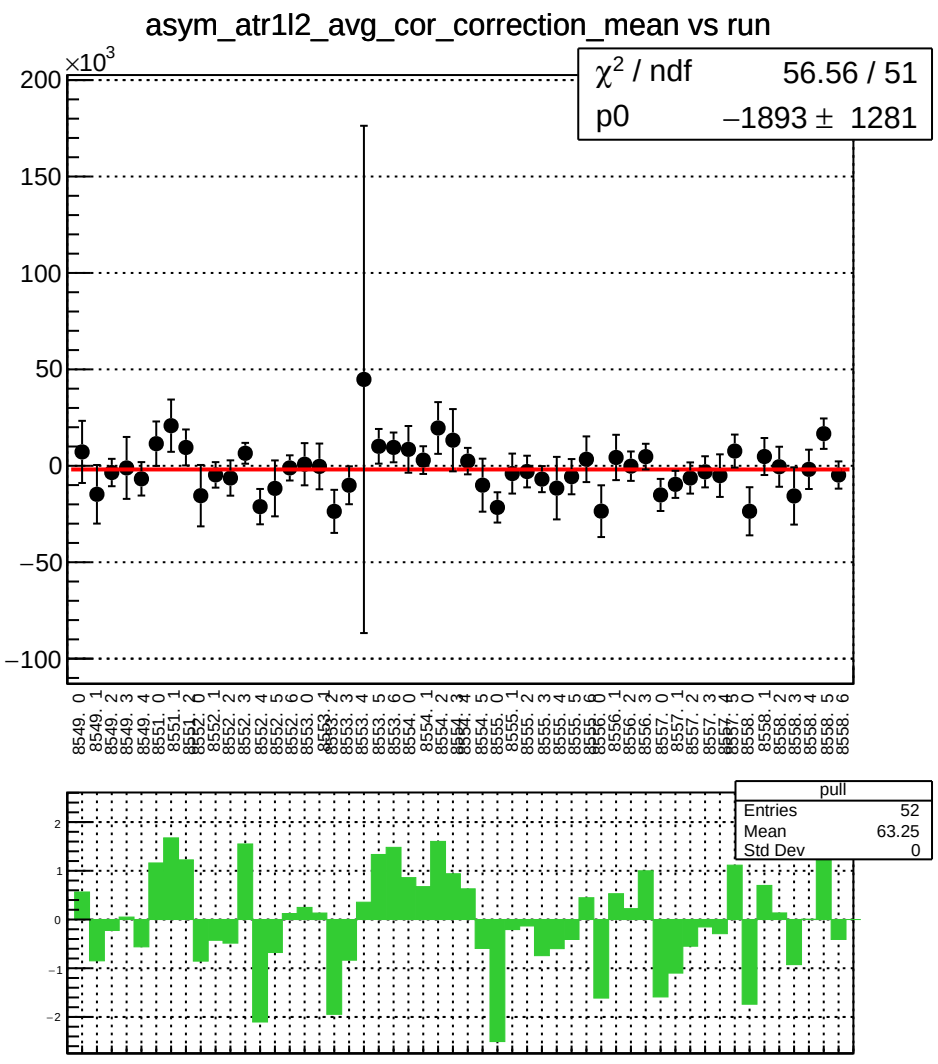

pull1D
Entries 52
Mean −0.0267
Std Dev 1.043
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

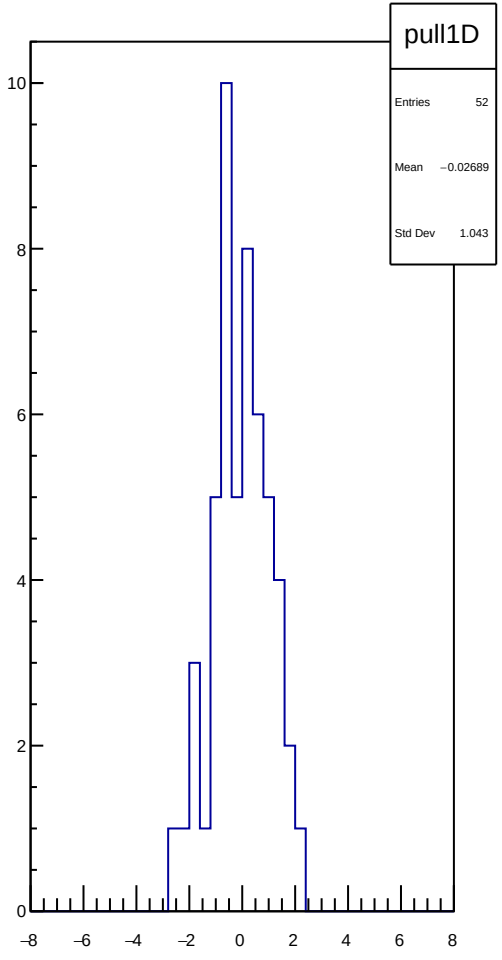

asym_atr1l2_avg_reg_correction_rms vs run
χ² / ndf 8.484e+04 / 51
p0 879 ± 0.9057
12000
10000
8000
6000
4000
2000
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

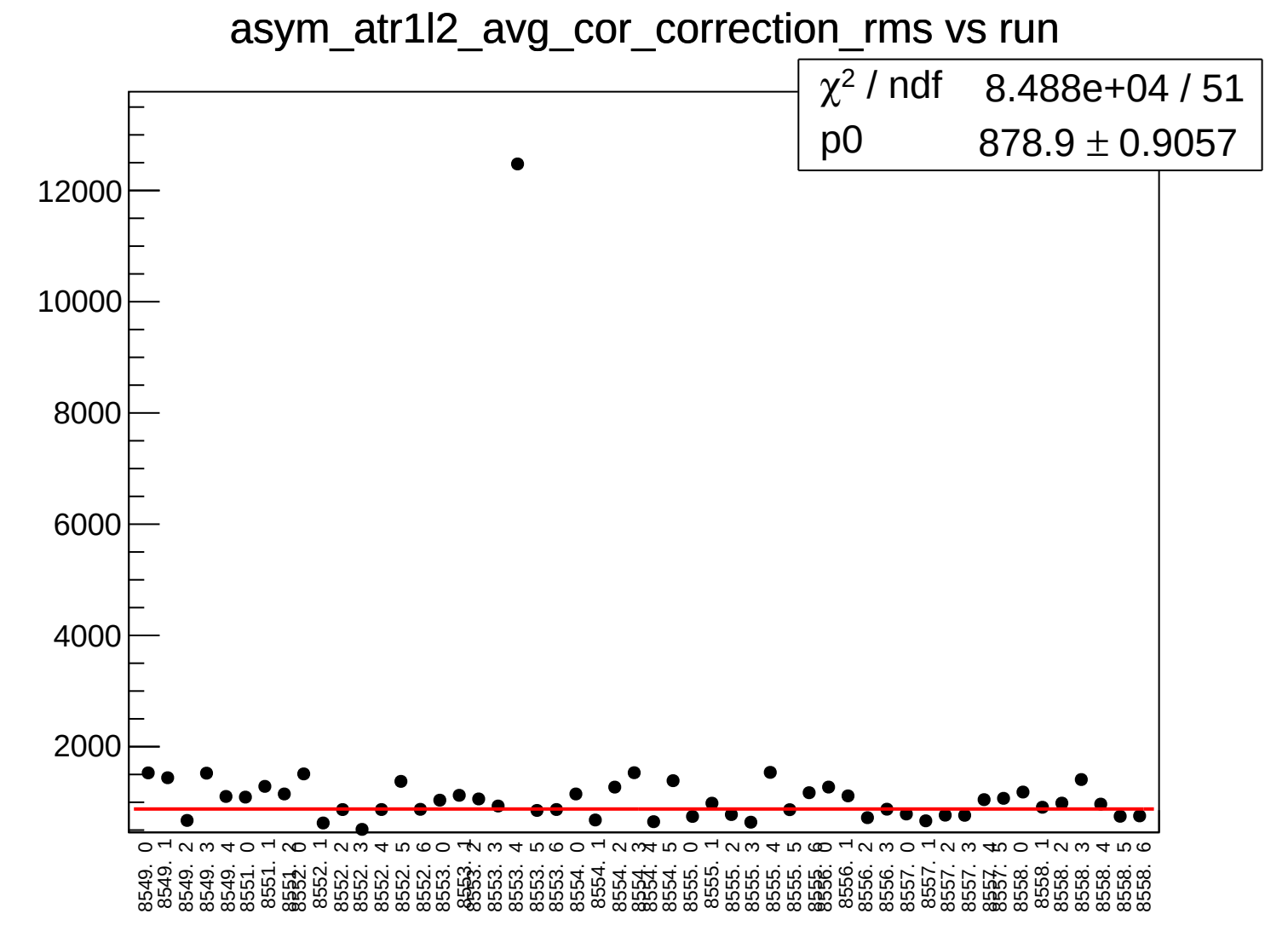

cor_asym_atr1l2_avg_mean vs run
×10^3
χ² / ndf 42.2 / 50
p0 1.026e+04 ± 2.479e+04
pull
Entries 51
Mean −133.2
Std Dev 0

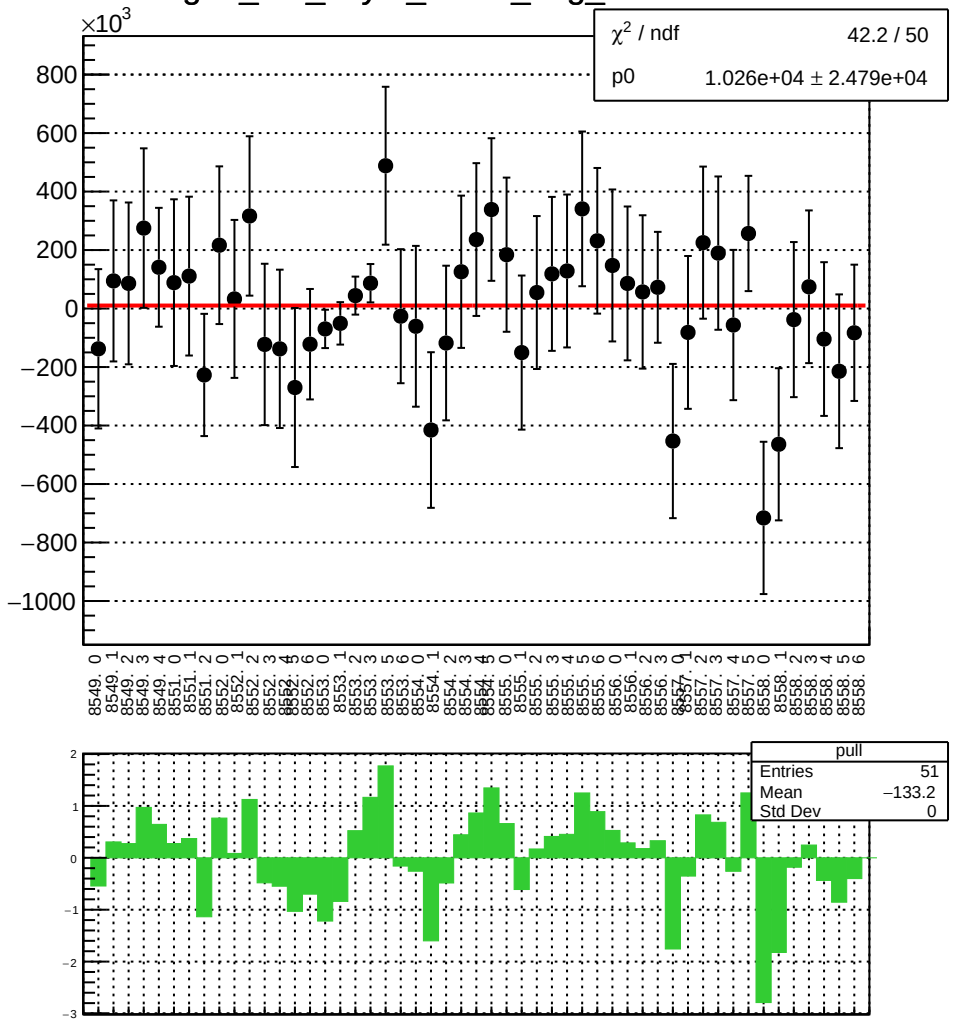

pull1D
Entries 51
Mean 0.01229
Std Dev 0.9095

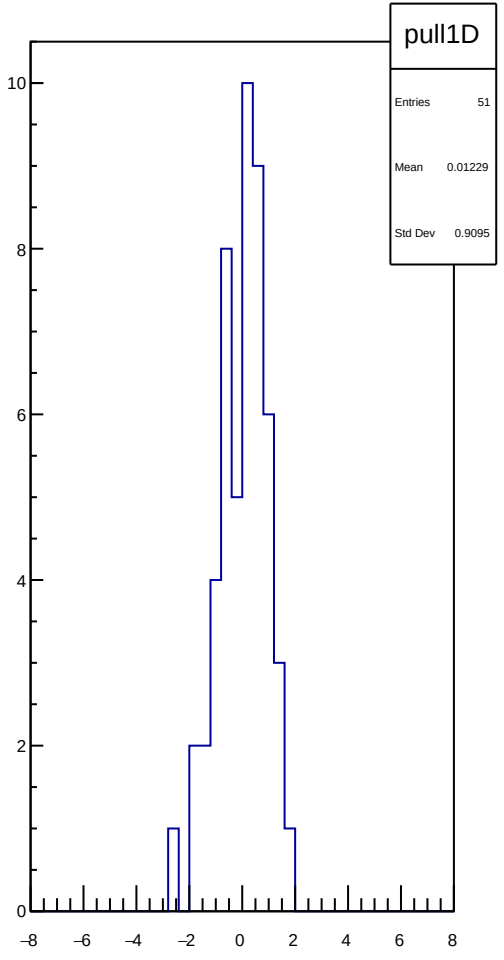

cor_asym_atr1l2_avg_rms vs run
×10^3
800
700
600
500
400
300
200
100
χ² / ndf 3.053e+05 / 51
p0 1.489e+04 ± 17.53
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 1
8553. 2
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 5
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

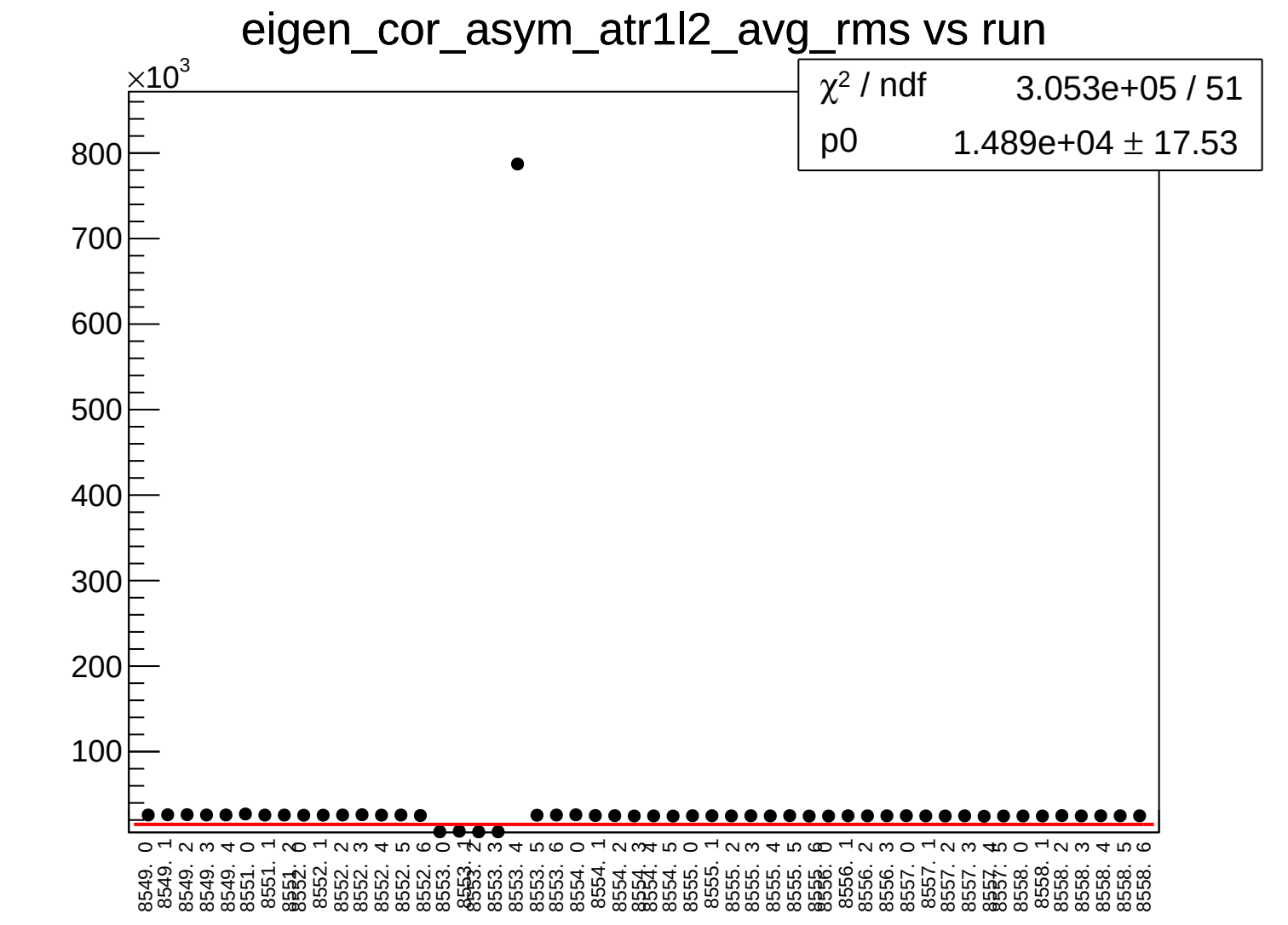

asym_atr1l2_avg_cor_correction_mean vs run
×10^3
χ² / ndf 56.56 / 51
p0 −1893 ± 1281
200
150
100
50
0
−50
−100
pull
Entries 52
Mean 63.25
Std Dev 0
2
1
0
−1
−2


pull1D
Entries 52
Mean −0.02689
Std Dev 1.043
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


asym_atr1l2_avg_cor_correction_rms vs run
χ² / ndf 8.488e+04 / 51
p0 878.9 ± 0.9057
12000
10000
8000
6000
4000
2000
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 0
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 5
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6


eigen_cor_asym_atr1l2_avg_mean vs run
×10^3
χ² / ndf 42.2 / 50
p0 1.026e+04 ± 2.479e+04
pull
Entries 51
Mean −133.2
Std Dev 0


pull1D
Entries 51
Mean 0.01229
Std Dev 0.9095


eigen_cor_asym_atr1l2_avg_rms vs run
χ² / ndf 3.053e+05 / 51
p0 1.489e+04 ± 17.53
×10³
800
700
600
500
400
300
200
100
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 0
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 1
8553. 2
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 5
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
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8557. 3
8558. 0
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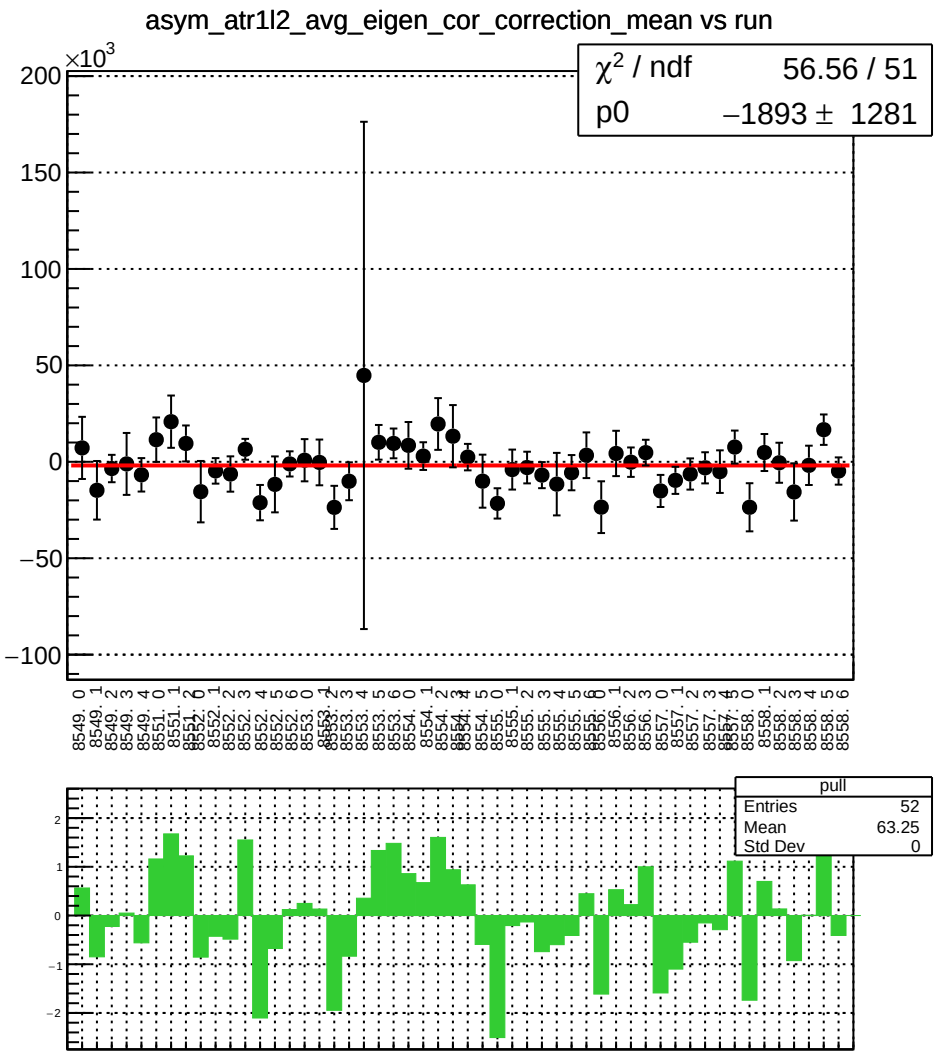
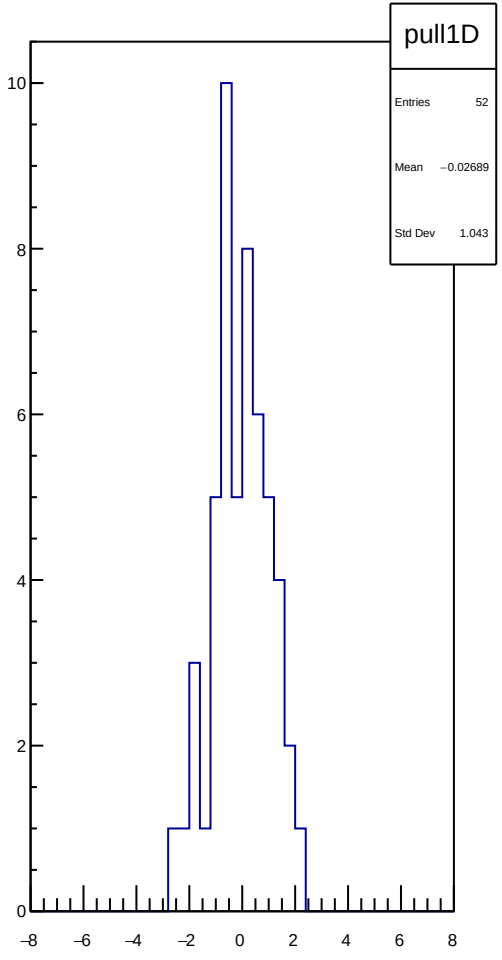
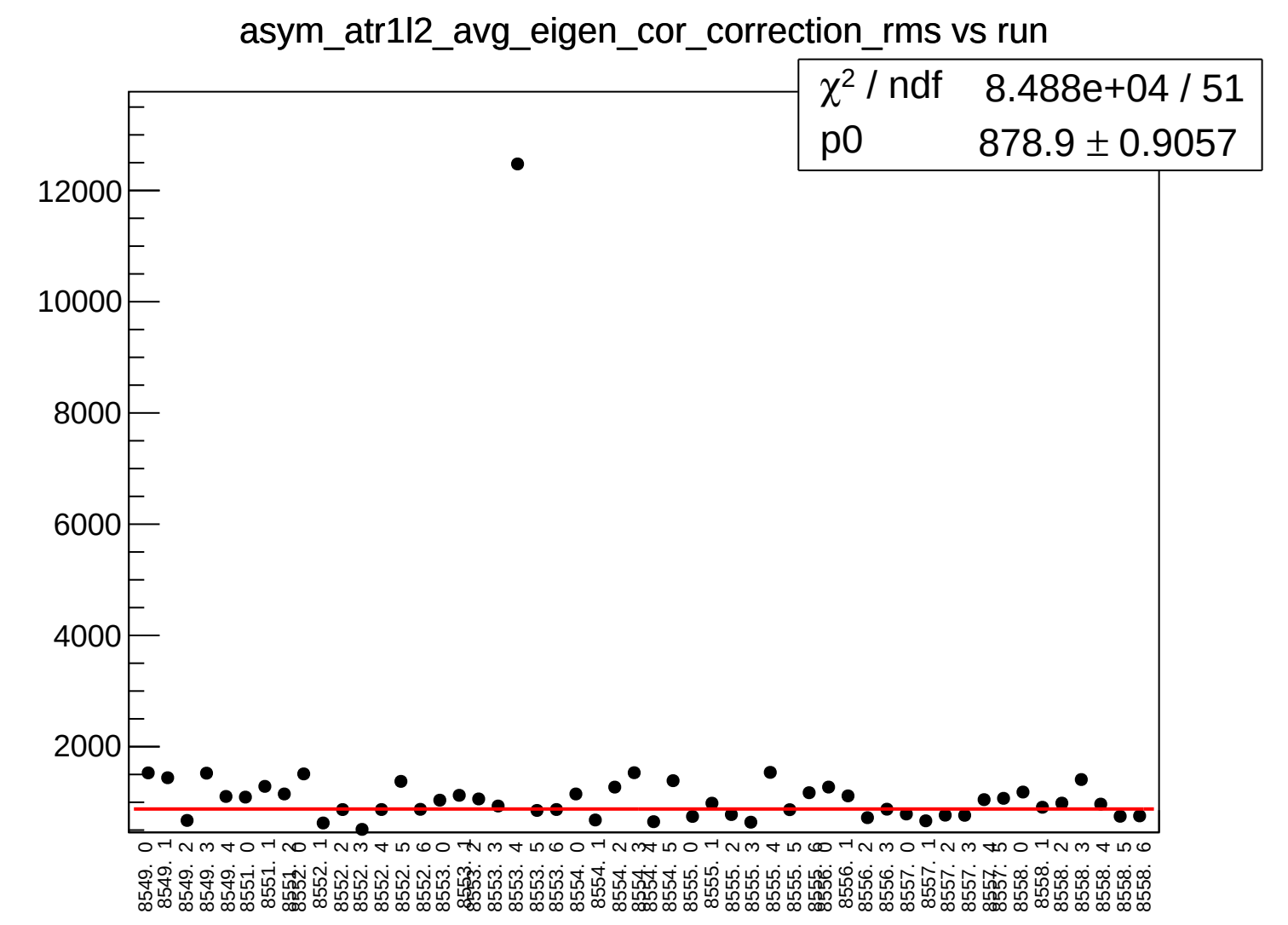
8558. 5
8558. 6


asym_atr1l2_avg_eigen_cor_correction_mean vs run
χ² / ndf 56.56 / 51
p0 −1893 ± 1281
pull
Entries 52
Mean 63.25
Std Dev 0


pull1D
Entries 52
Mean −0.02689
Std Dev 1.043


asym_atr1l2_avg_eigen_cor_correction_rms vs run
χ² / ndf 8.488e+04 / 51
p0 878.9 ± 0.9057
12000
10000
8000
6000
4000
2000
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 5
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
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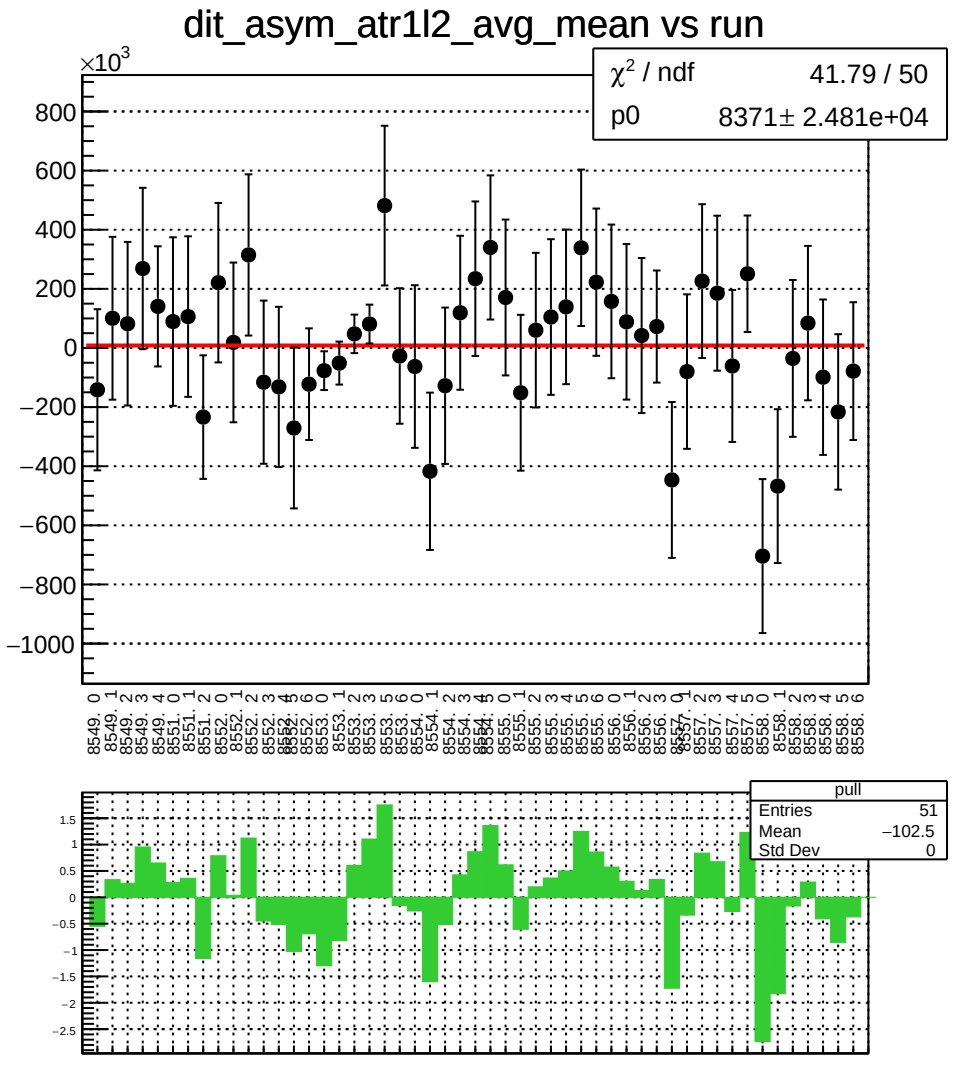
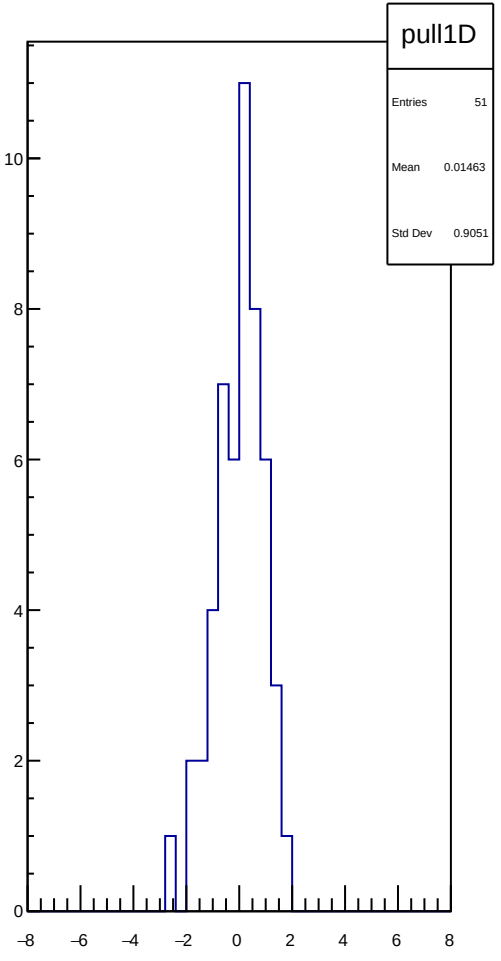
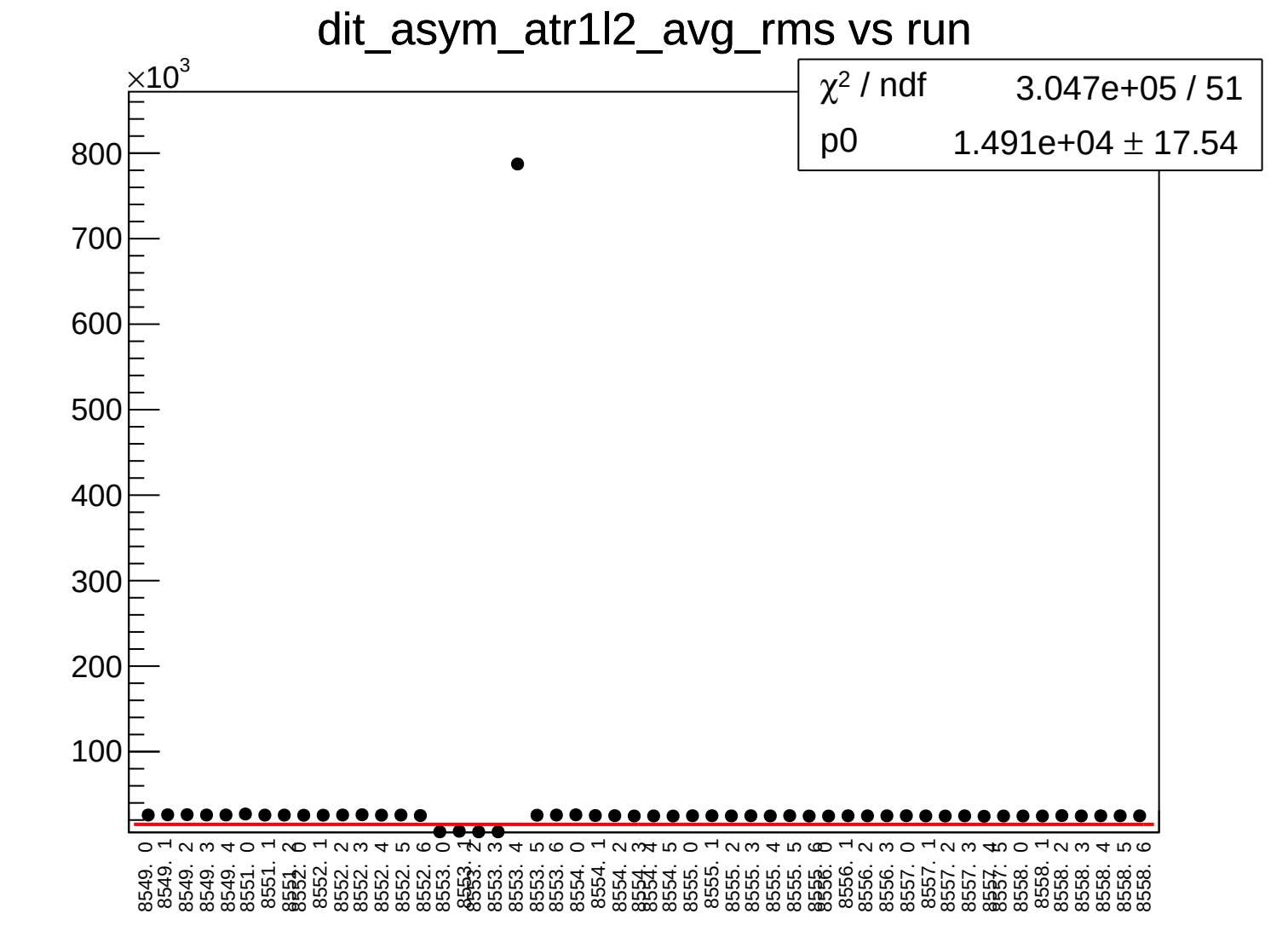
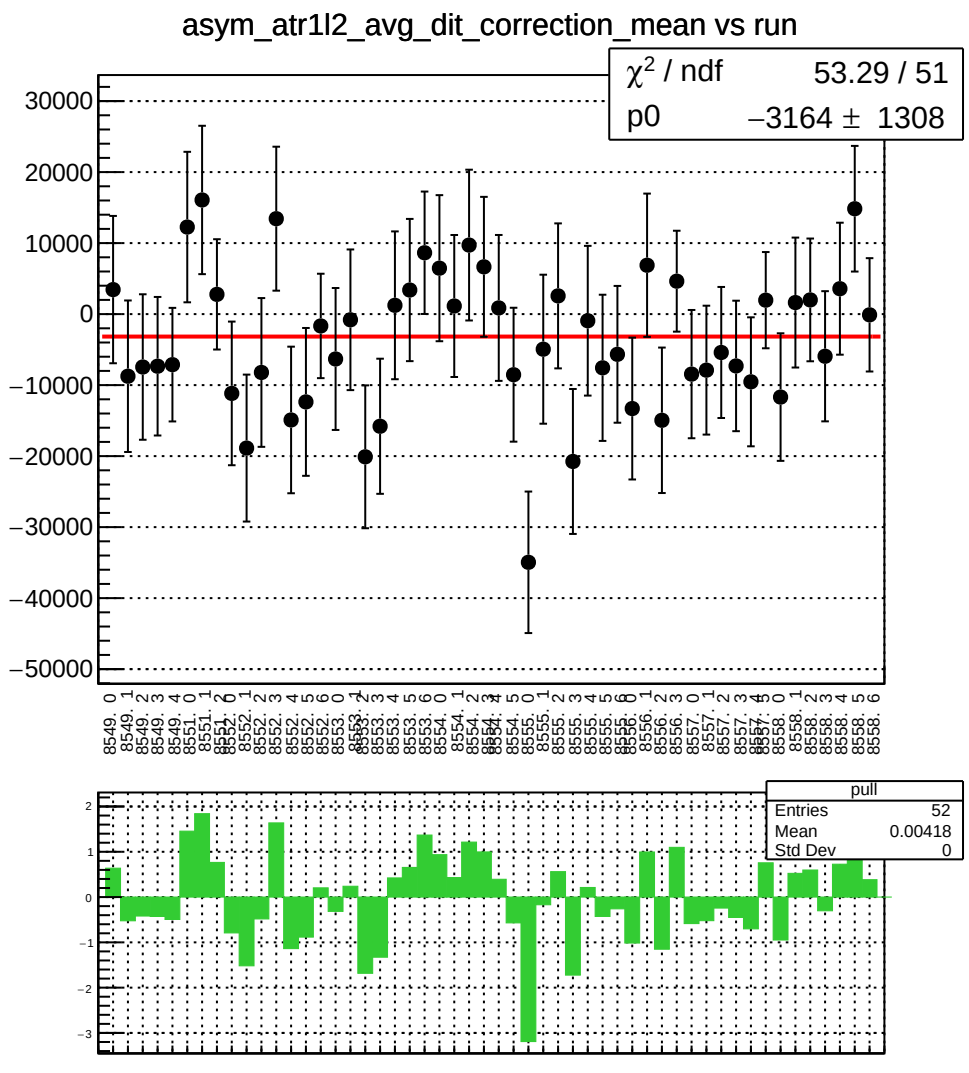
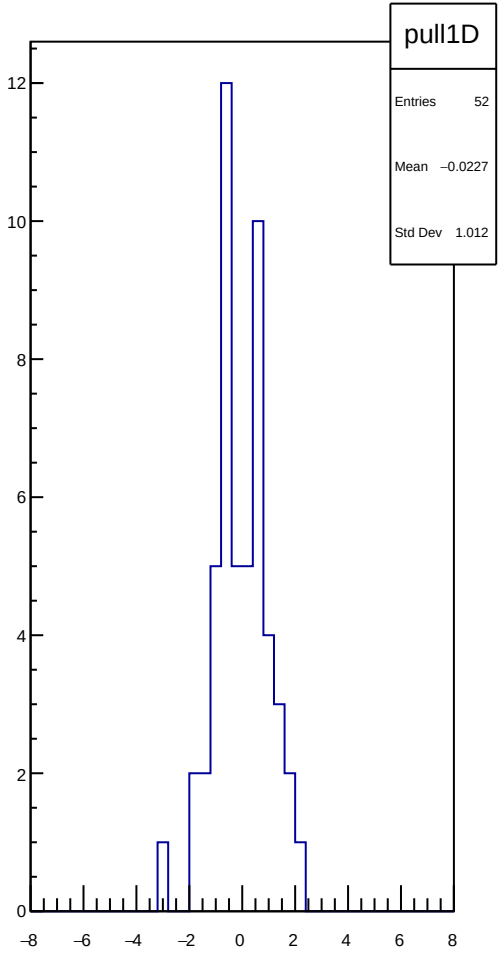
8558. 5
8558. 6

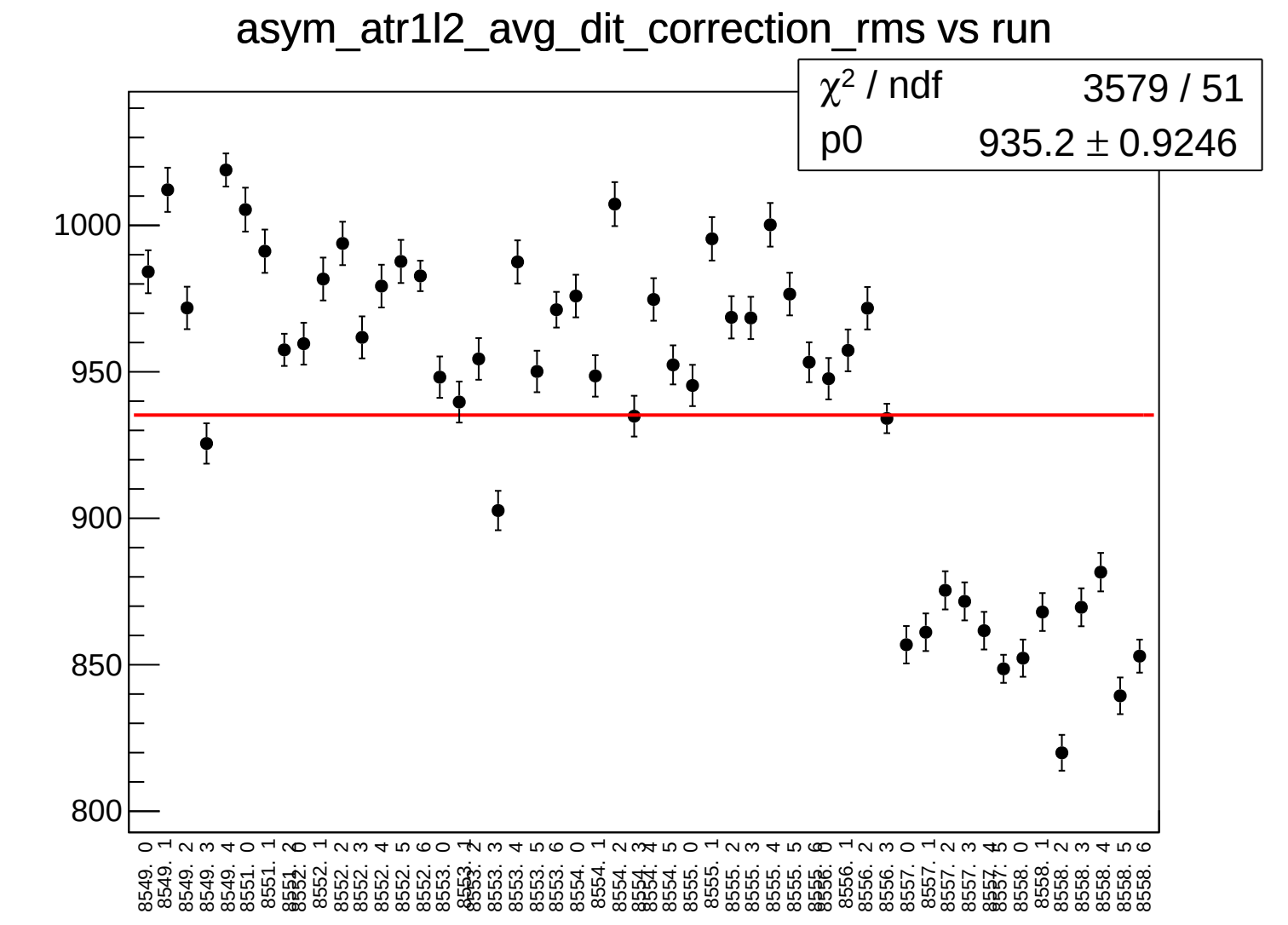

dit_asym_atr1l2_avg_mean vs run
×10^3
χ² / ndf 41.79 / 50
p0 8371± 2.481e+04
pull
Entries 51
Mean −102.5
Std Dev 0

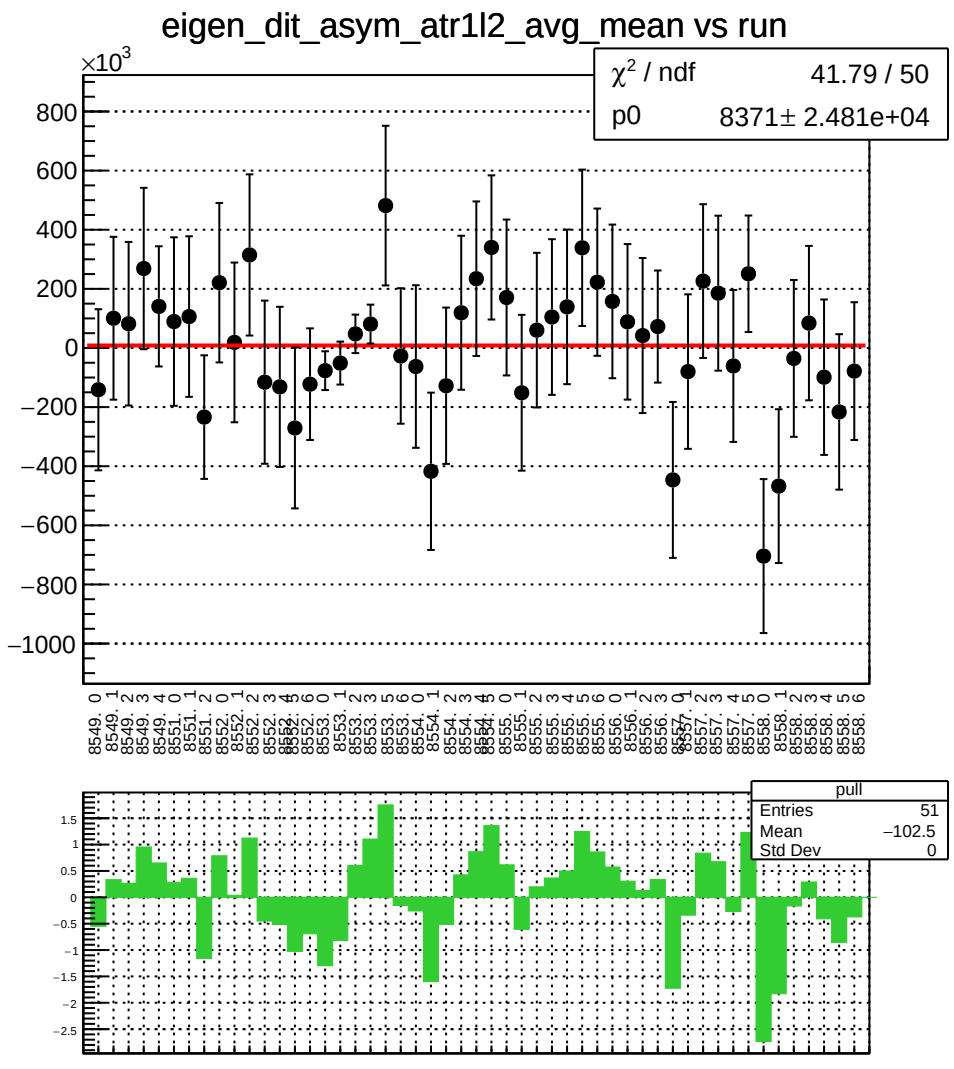

pull1D
Entries 51
Mean 0.01463
Std Dev 0.9051

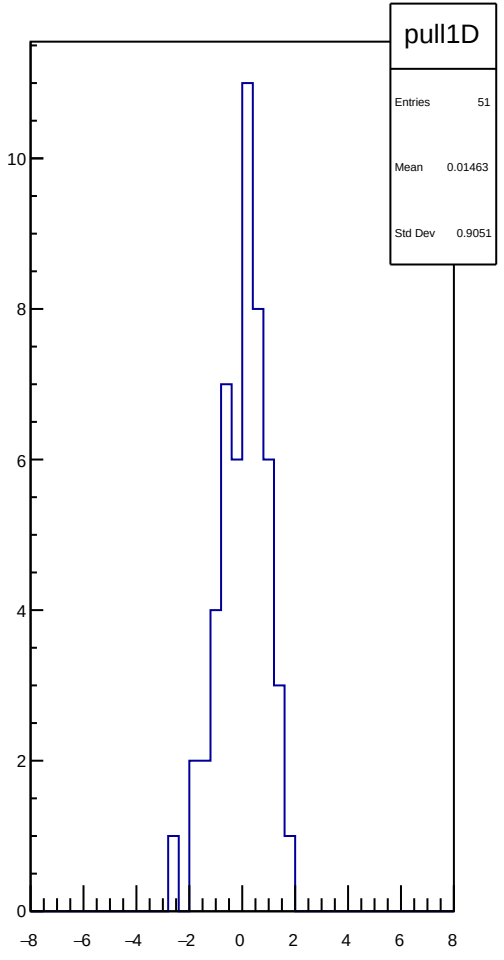

dit_asym_atr1l2_avg_rms vs run
×10^3
800
700
600
500
400
300
200
100
χ² / ndf 3.047e+05 / 51
p0 1.491e+04 ± 17.54
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 1
8553. 2
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 5
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6


asym_atr1l2_avg_dit_correction_mean vs run
χ² / ndf 53.29 / 51
p0 −3164 ± 1308
pull
Entries 52
Mean 0.00418
Std Dev 0


pull1D
Entries 52
Mean −0.0227
Std Dev 1.012


asym_atr1l2_avg_dit_correction_rms vs run
χ² / ndf 3579 / 51
p0 935.2 ± 0.9246
1000
950
900
850
800
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6


eigen_dit_asym_atr1l2_avg_mean vs run
×10^3
χ² / ndf 41.79 / 50
p0 8371± 2.481e+04
pull
Entries 51
Mean −102.5
Std Dev 0


pull1D
Entries 51
Mean 0.01463
Std Dev 0.9051

eigen_dit_asym_atr1l2_avg_rms vs run
χ² / ndf 3.047e+05 / 51
p0 1.491e+04 ± 17.54
×10³
800
700
600
500
400
300
200
100
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 0
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 1
8553. 2
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 5
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
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8557. 3
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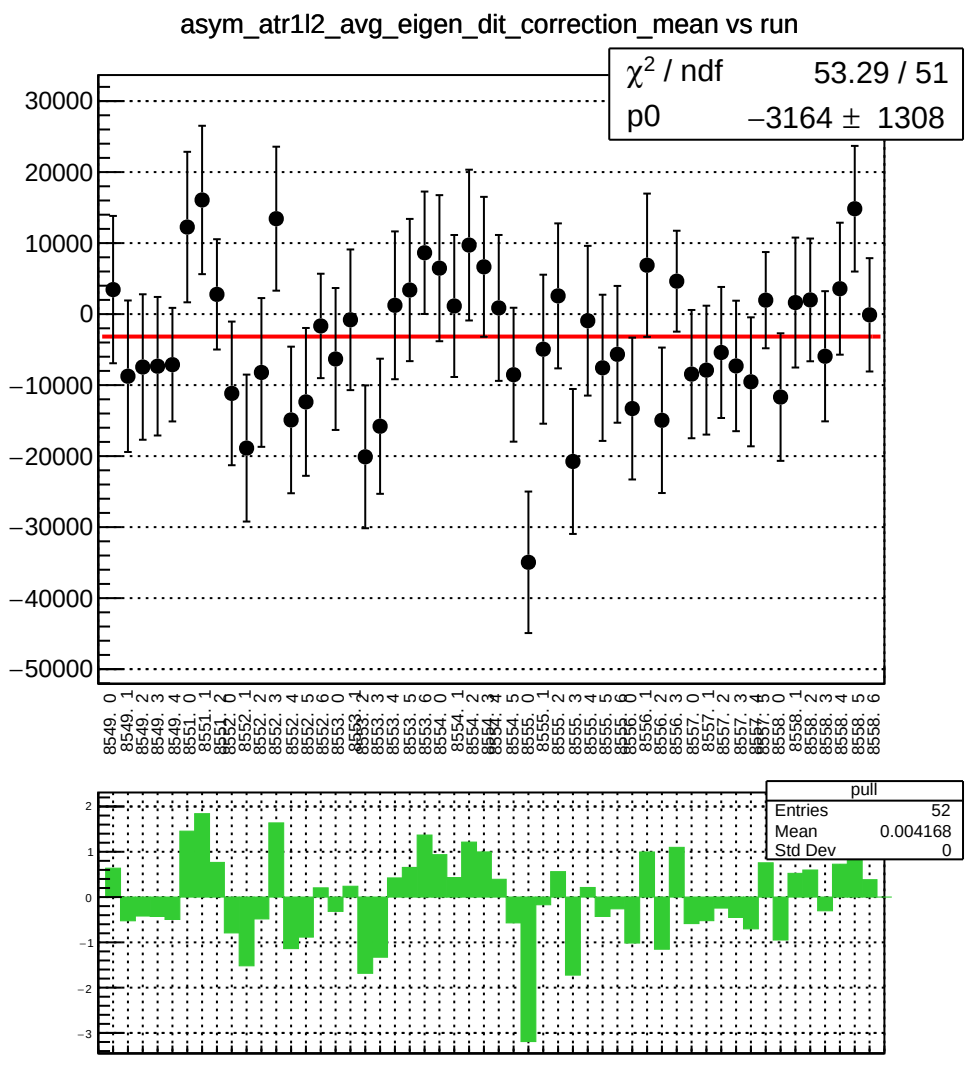
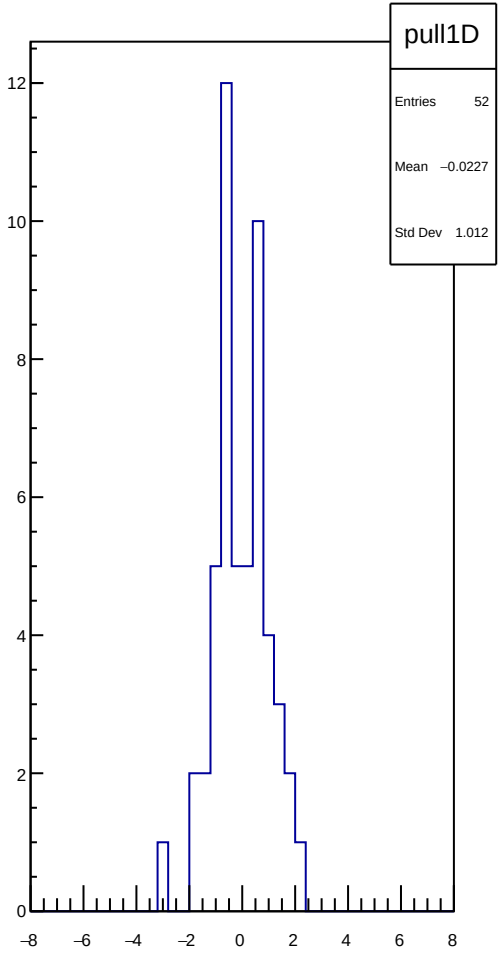
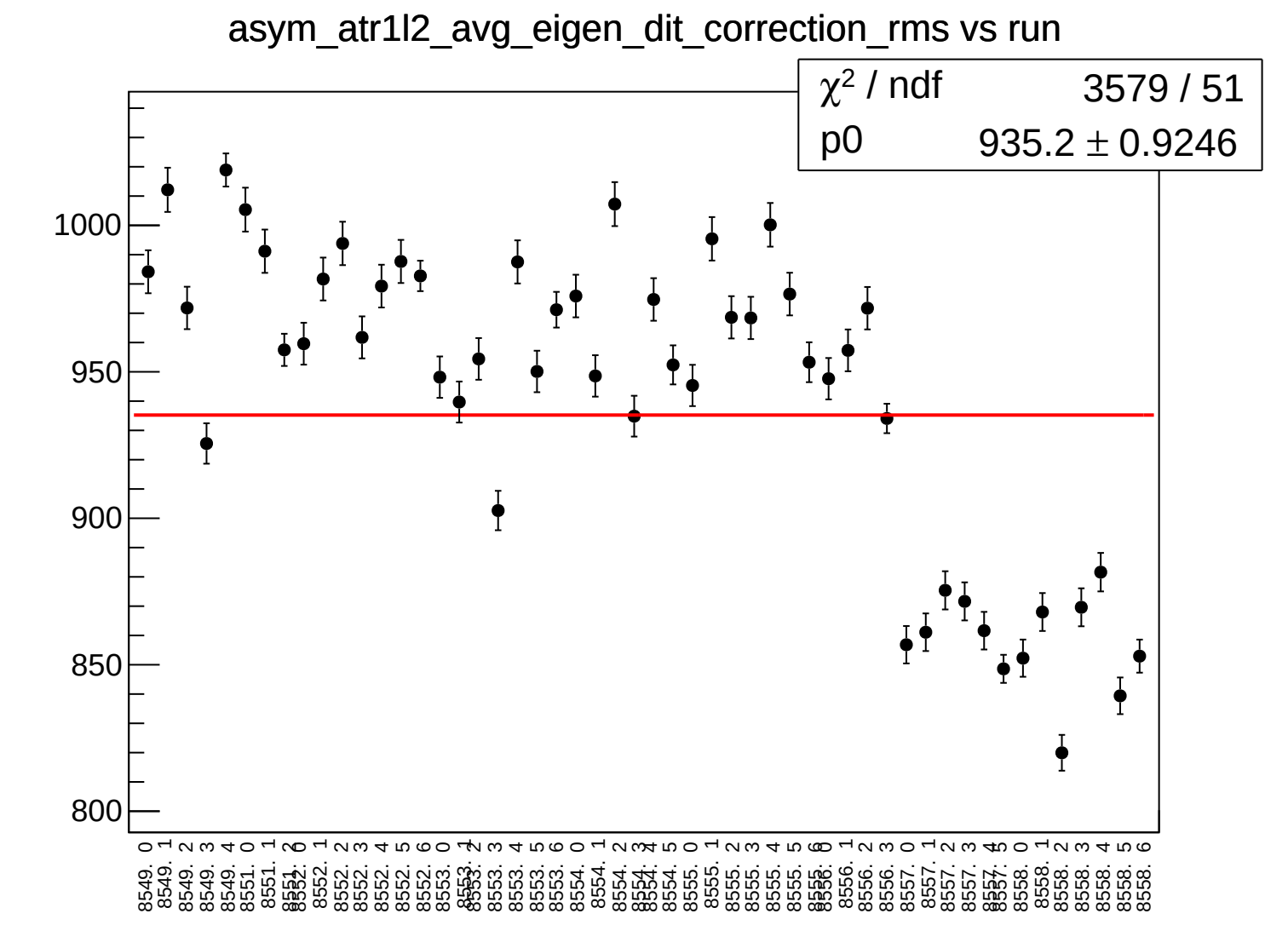
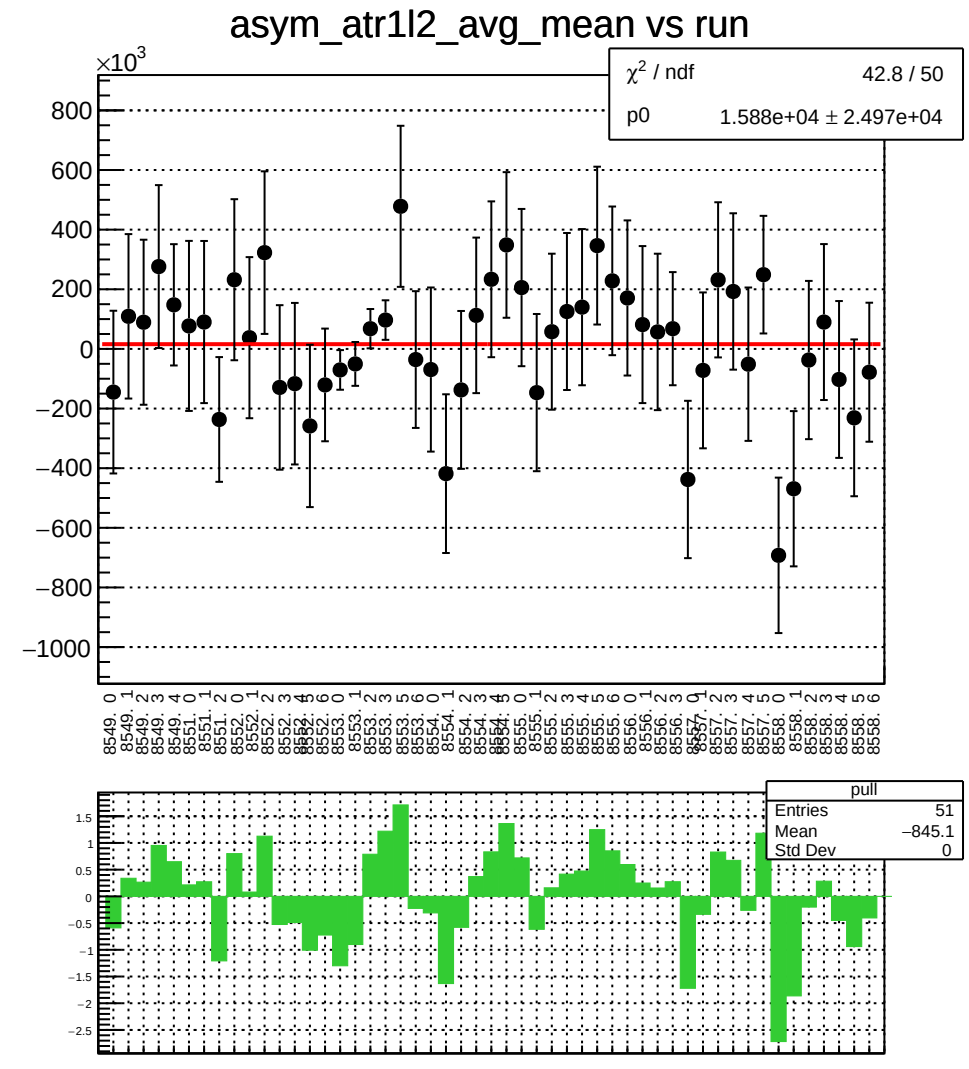
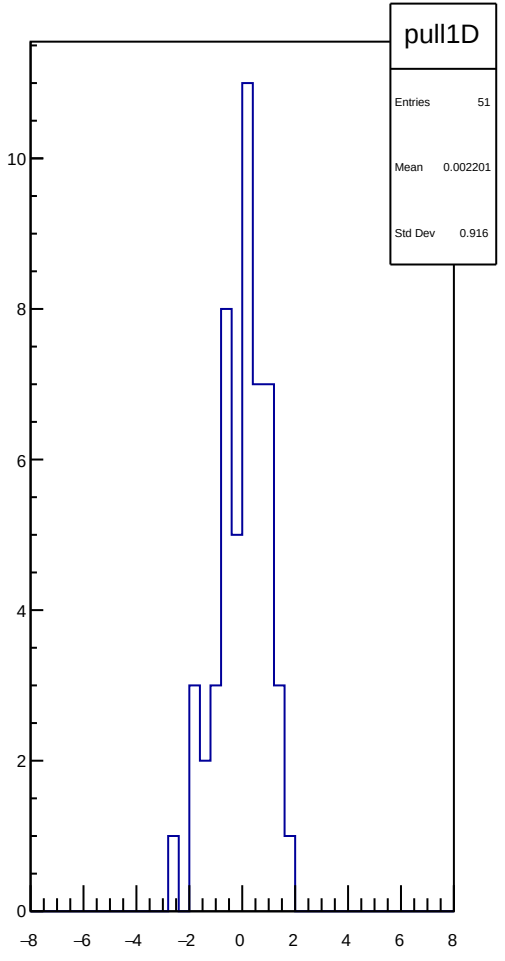
8558. 5
8558. 6

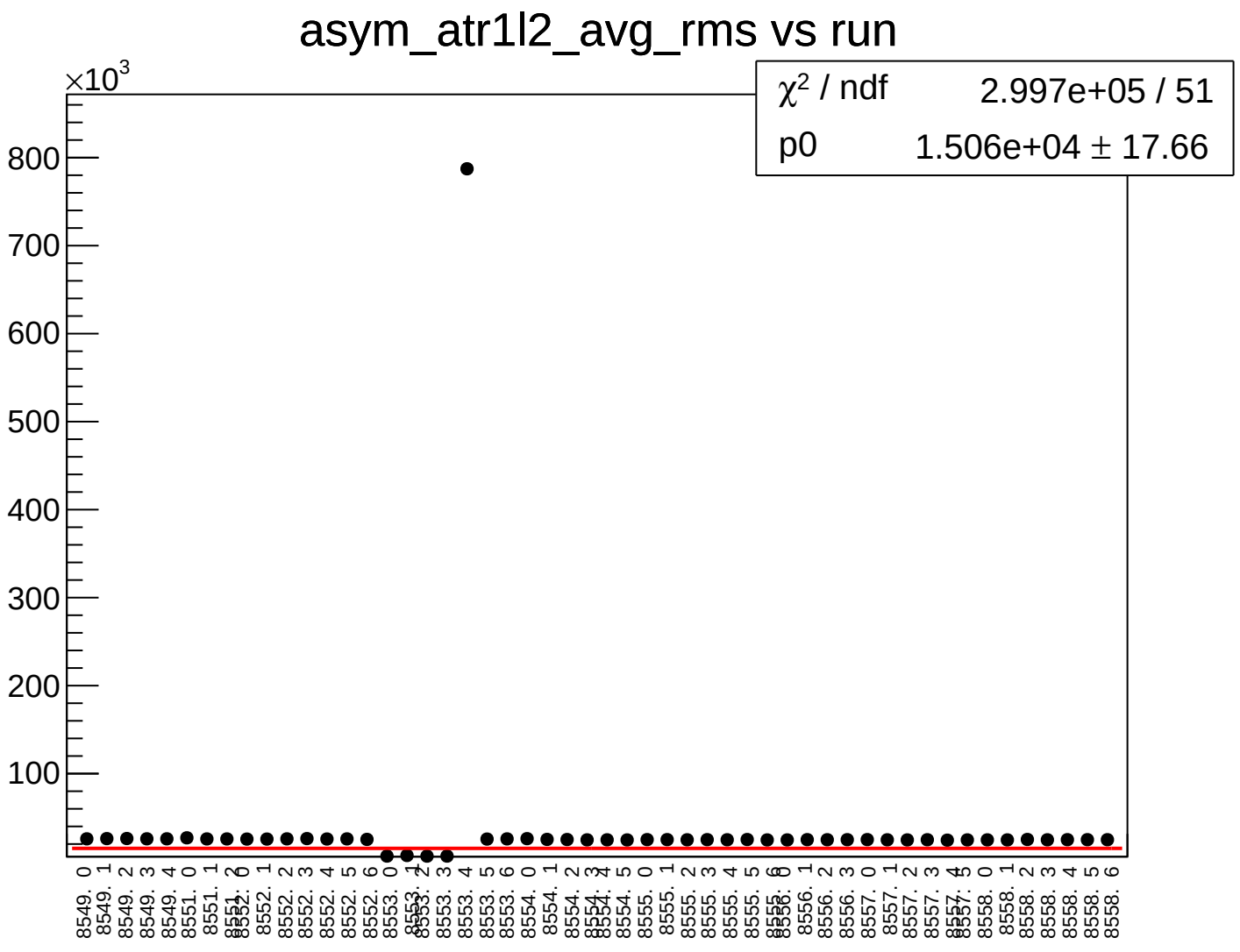

asym_atr1l2_avg_eigen_dit_correction_mean vs run
χ² / ndf 53.29 / 51
p0 −3164 ± 1308
pull
Entries 52
Mean 0.004168
Std Dev 0

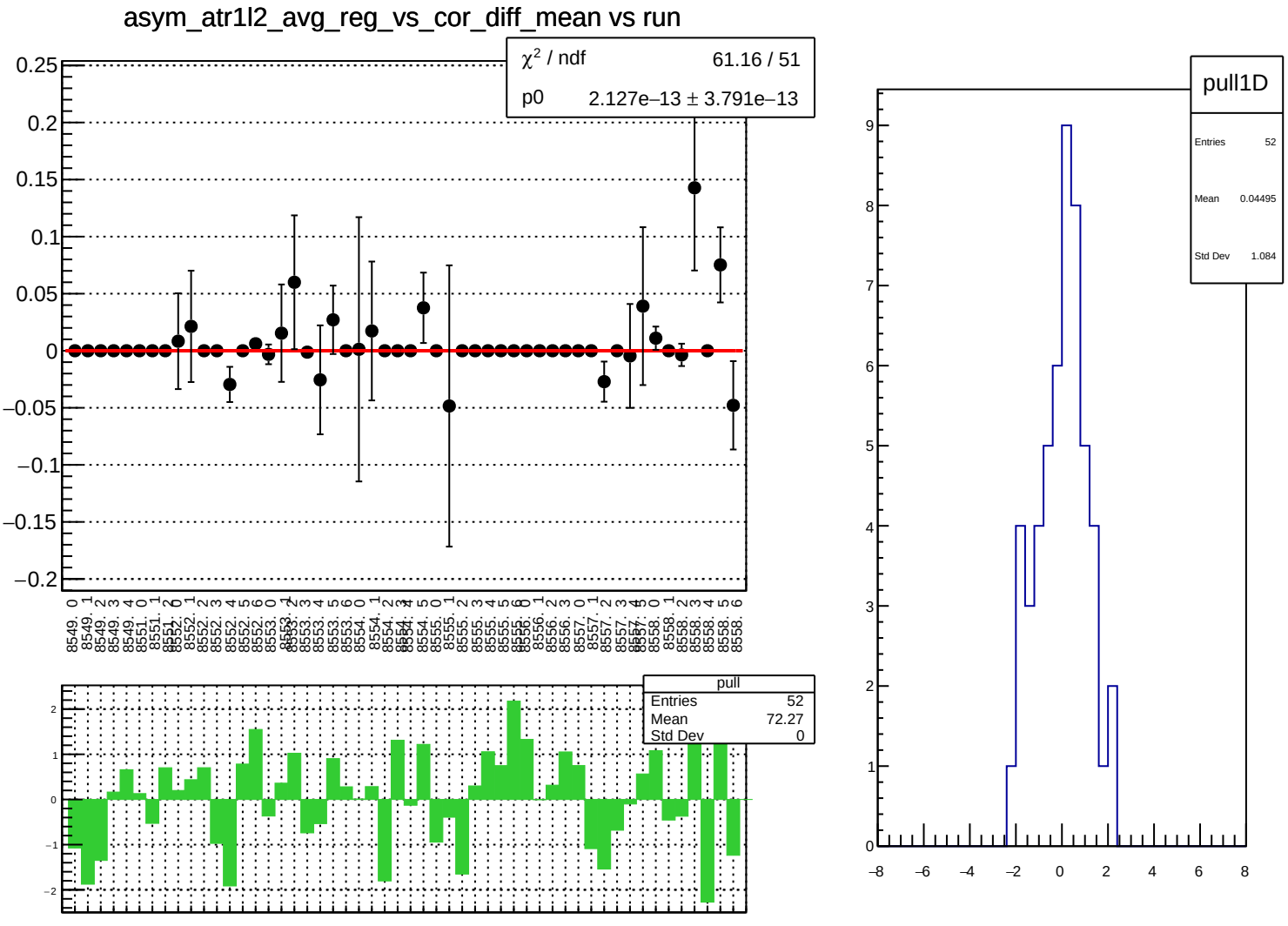

pull1D
Entries 52
Mean −0.0227
Std Dev 1.012

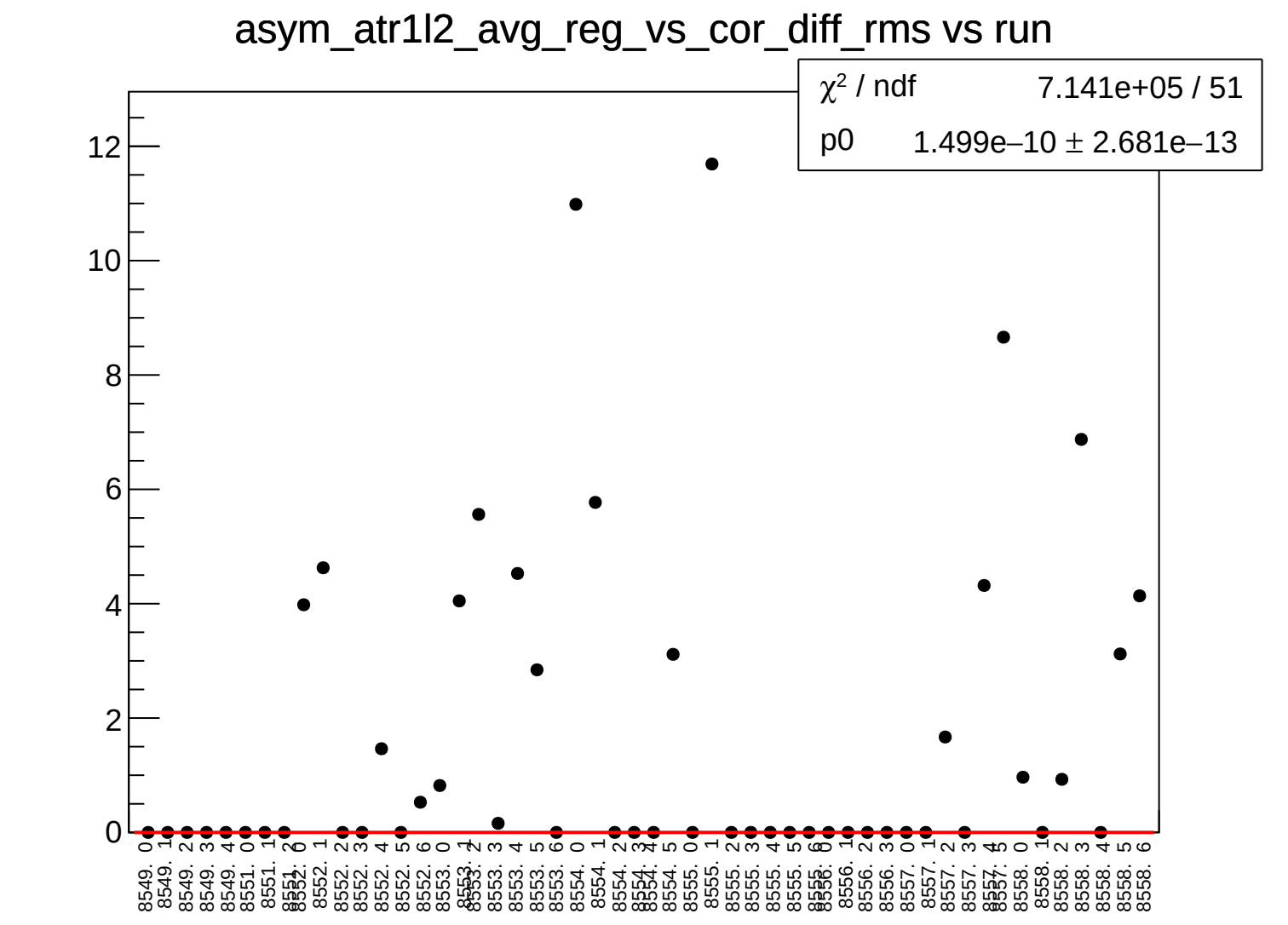

asym_atr1l2_avg_eigen_dit_correction_rms vs run
χ² / ndf 3579 / 51
p0 935.2 ± 0.9246
1000
950
900
850
800
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6


asym_atr1l2_avg_mean vs run
×10^3
χ² / ndf 42.8 / 50
p0 1.588e+04 ± 2.497e+04
pull
Entries 51
Mean −845.1
Std Dev 0


pull1D
Entries 51
Mean 0.002201
Std Dev 0.916


asym_atr1l2_avg_rms vs run
×10^3
800
700
600
500
400
300
200
100
χ² / ndf 2.997e+05 / 51
p0 1.506e+04 ± 17.66
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 0
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 1
8553. 2
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 5
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6


asym_atr1l2_avg_reg_vs_cor_diff_mean vs run
χ² / ndf 61.16 / 51
p0 2.127e−13 ± 3.791e−13
pull
Entries 52
Mean 72.27
Std Dev 0
pull1D
Entries 52
Mean 0.04495
Std Dev 1.084


asym_atr1l2_avg_reg_vs_cor_diff_rms vs run
χ² / ndf 7.141e+05 / 51
p0 1.499e−10 ± 2.681e−13
0
2
4
6
8
10
12
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 2
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 5
8555. 0
8555. 1
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8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
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8557. 5
8558. 0
8558. 1
8558. 2
8558. 3
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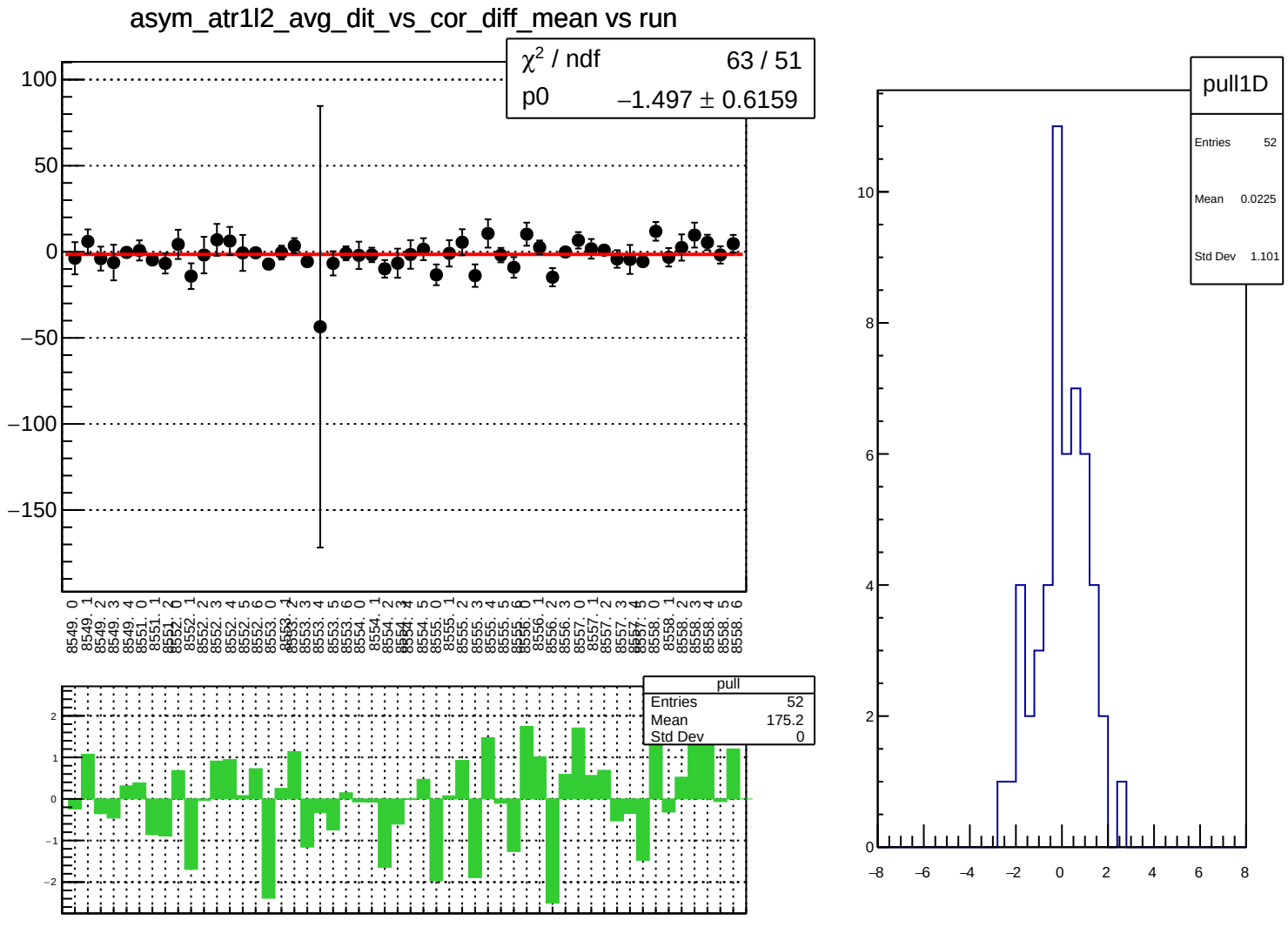
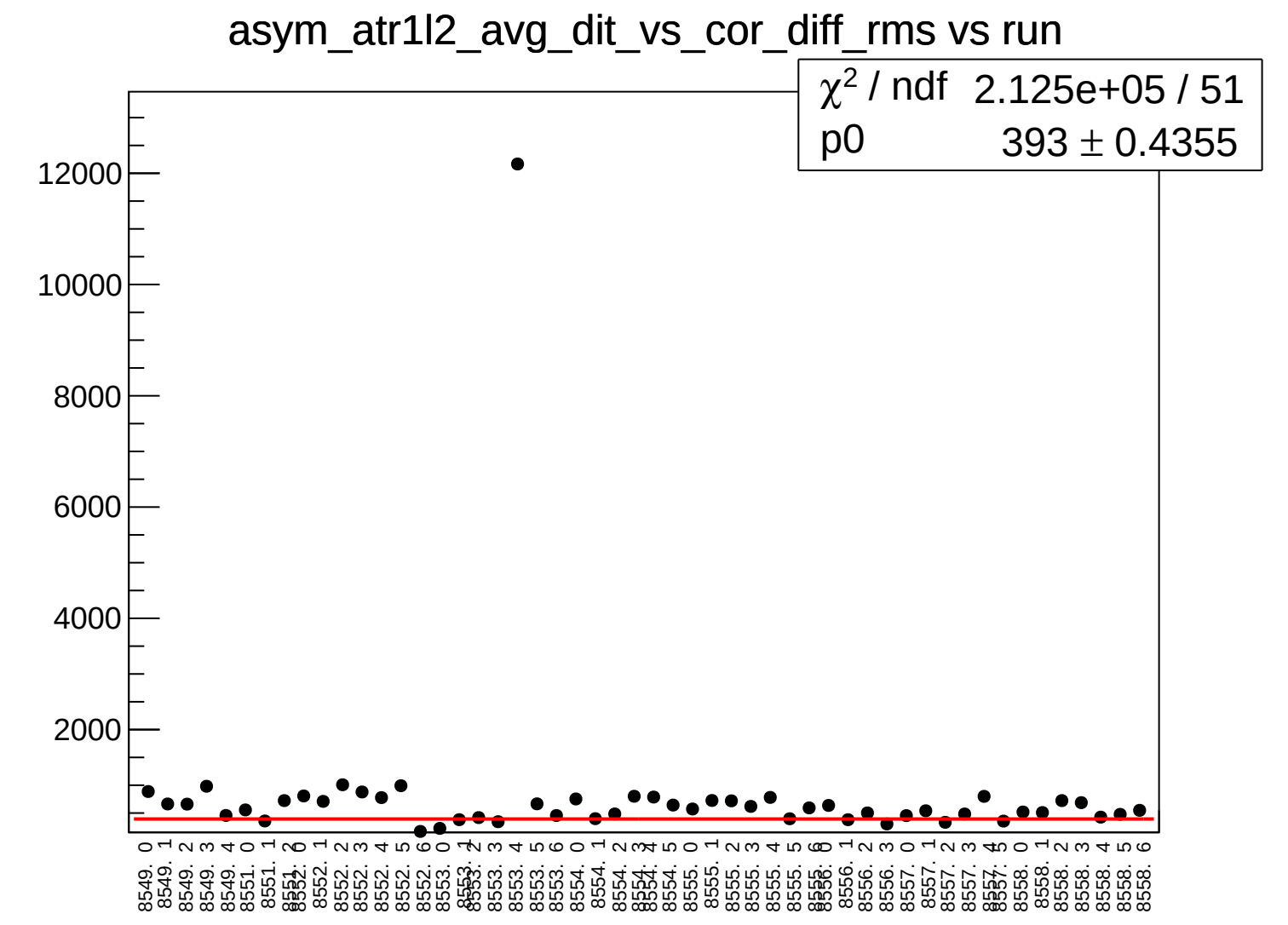
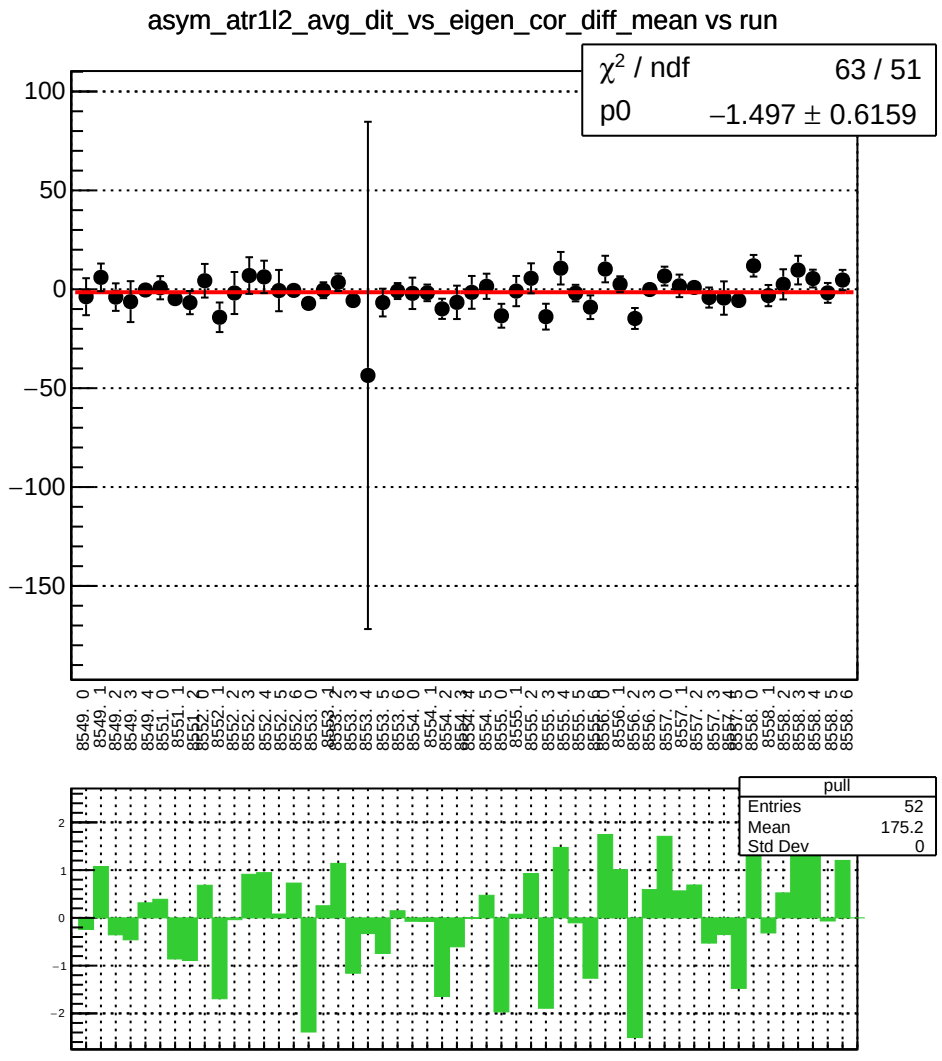
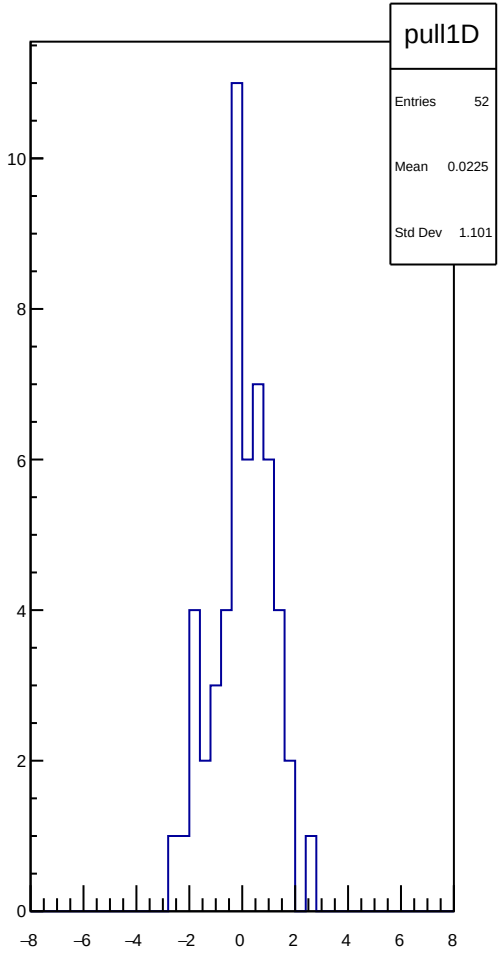
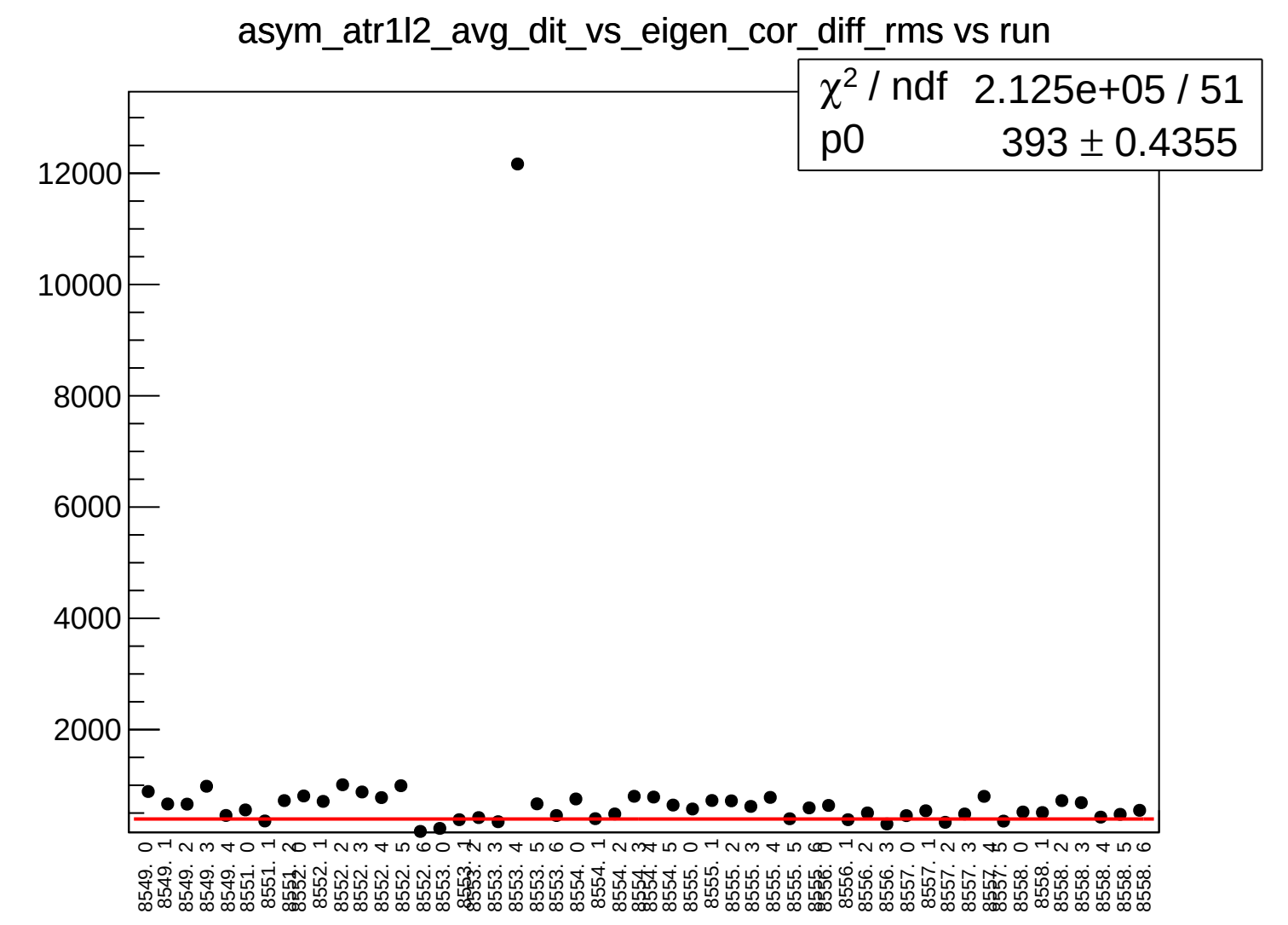
8558. 5
8558. 6


asym_atr1l2_avg_dit_vs_cor_diff_mean vs run
χ² / ndf 63 / 51
p0 −1.497 ± 0.6159
pull
Entries 52
Mean 175.2
Std Dev 0
pull1D
Entries 52
Mean 0.0225
Std Dev 1.101


asym_atr1l2_avg_dit_vs_cor_diff_rms vs run
χ² / ndf 2.125e+05 / 51
p0 393 ± 0.4355
12000
10000
8000
6000
4000
2000
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6


asym_atr1l2_avg_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 63 / 51
p0 −1.497 ± 0.6159
pull
Entries 52
Mean 175.2
Std Dev 0


pull1D
Entries 52
Mean 0.0225
Std Dev 1.101


asym_atr1l2_avg_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 2.125e+05 / 51
p0 393 ± 0.4355
12000
10000
8000
6000
4000
2000
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
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8554. 1
8554. 2
8554. 5
8555. 0
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8555. 2
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8556. 1
8556. 2
8556. 3
8557. 0
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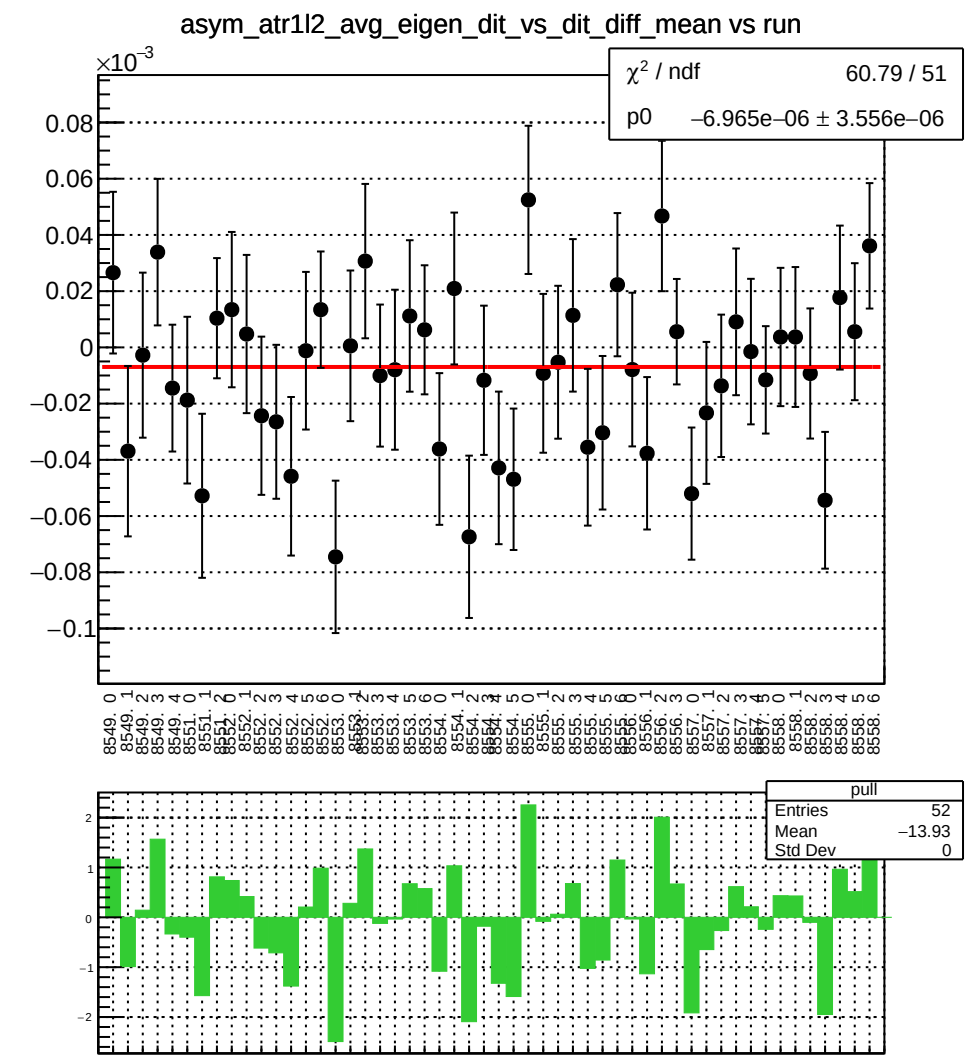
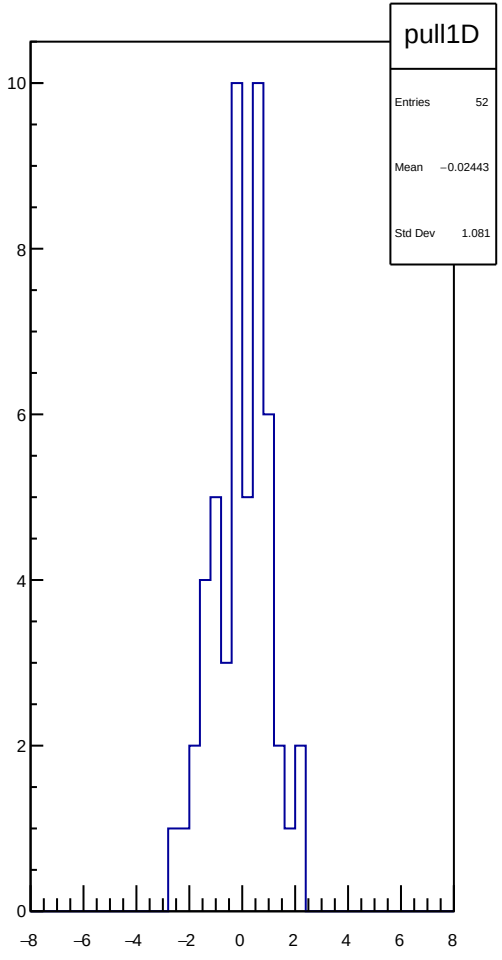
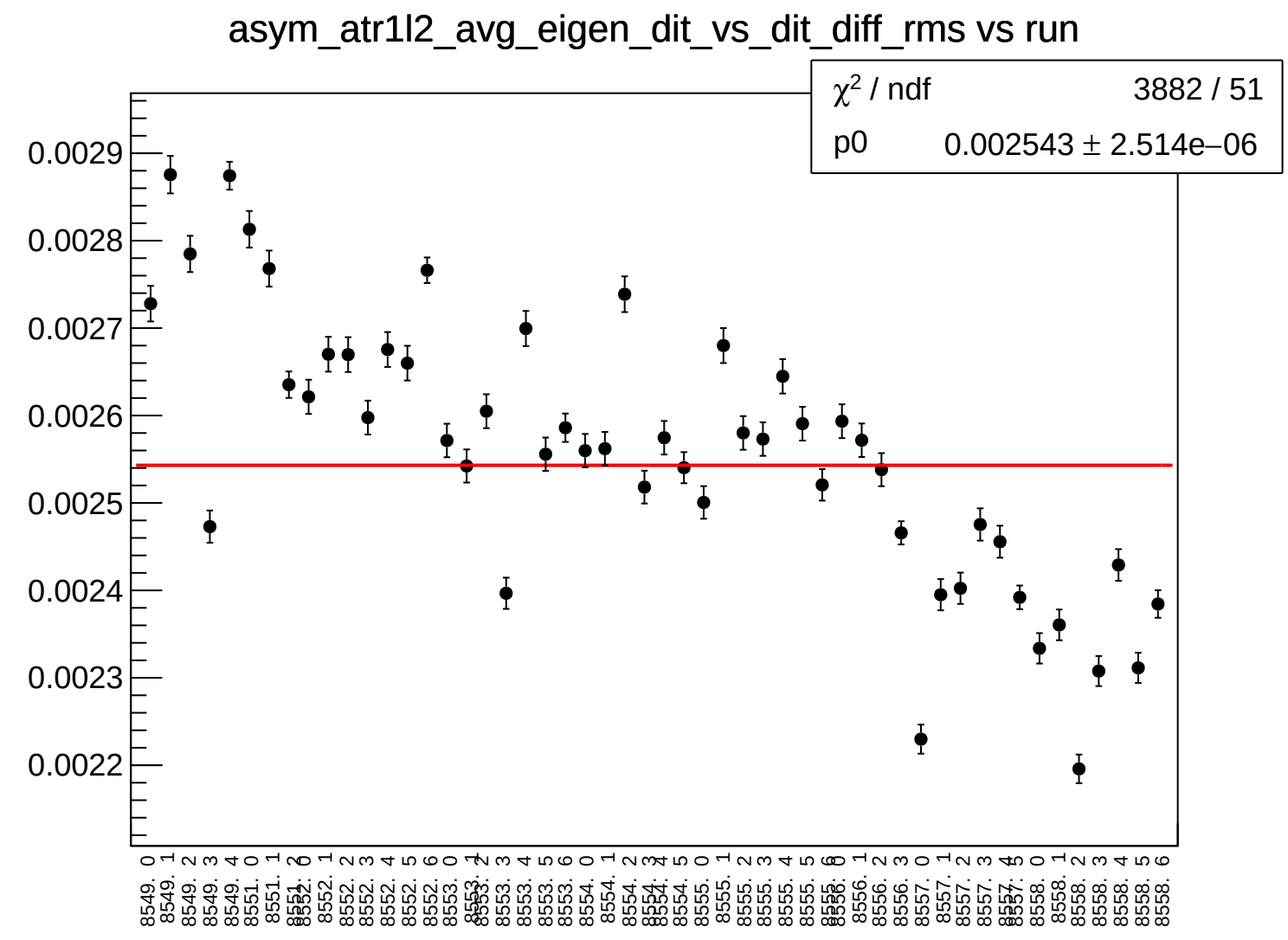
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6


asym_atr1l2_avg_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 60.79 / 51
p0 −6.965e−06 ± 3.556e−06
pull
Entries 52
Mean −13.93
Std Dev 0


pull1D
Entries 52
Mean −0.02443
Std Dev 1.081


asym_atr1l2_avg_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 3882 / 51
p0 0.002543 ± 2.514e−06
0.0029
0.0028
0.0027
0.0026
0.0025
0.0024
0.0023
0.0022
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
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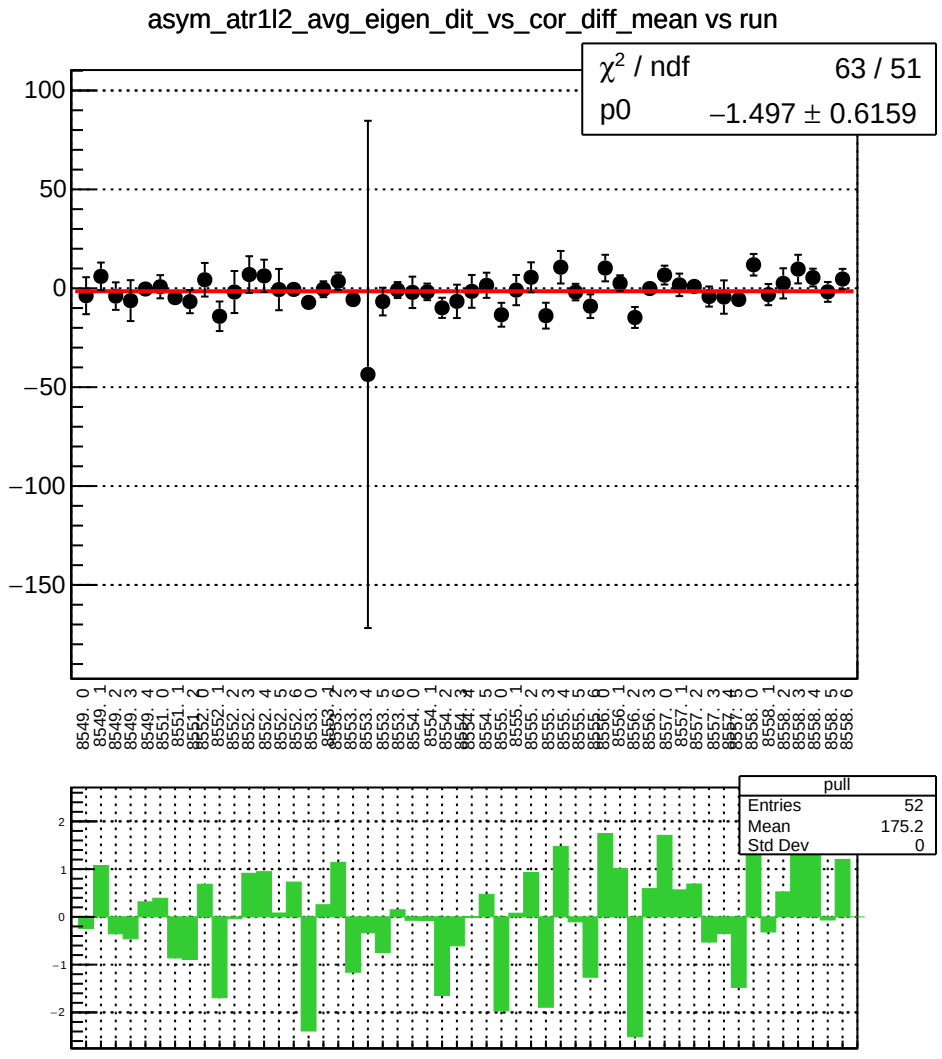
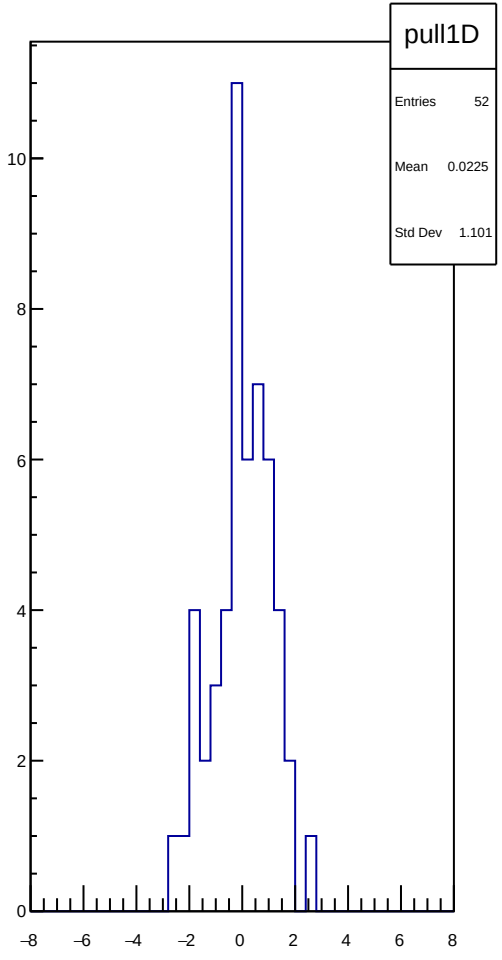
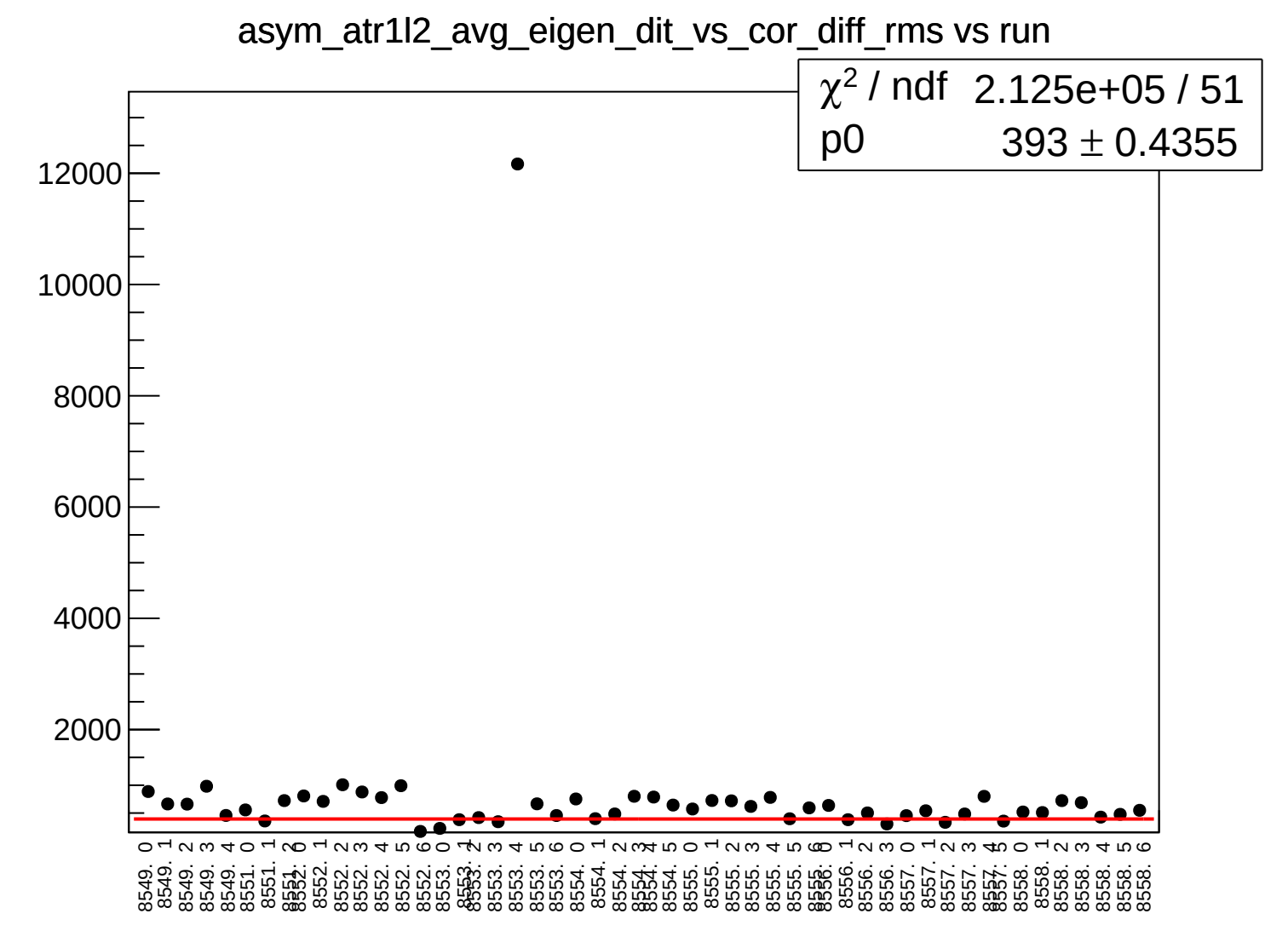
8554. 1
8554. 2
8554. 5
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6


asym_atr1l2_avg_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 63 / 51
p0 −1.497 ± 0.6159
pull
Entries 52
Mean 175.2
Std Dev 0


pull1D
Entries 52
Mean 0.0225
Std Dev 1.101


asym_atr1l2_avg_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 2.125e+05 / 51
p0 393 ± 0.4355
12000
10000
8000
6000
4000
2000
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 0
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 5
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
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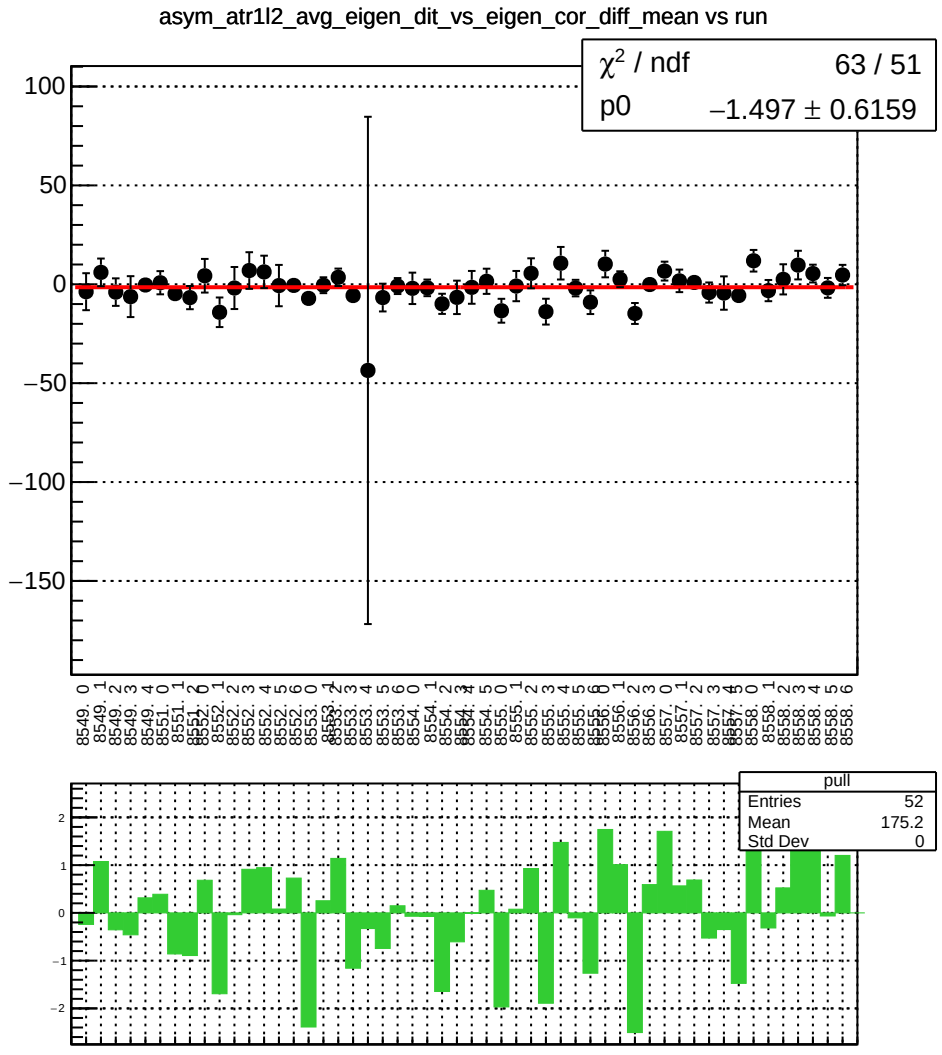
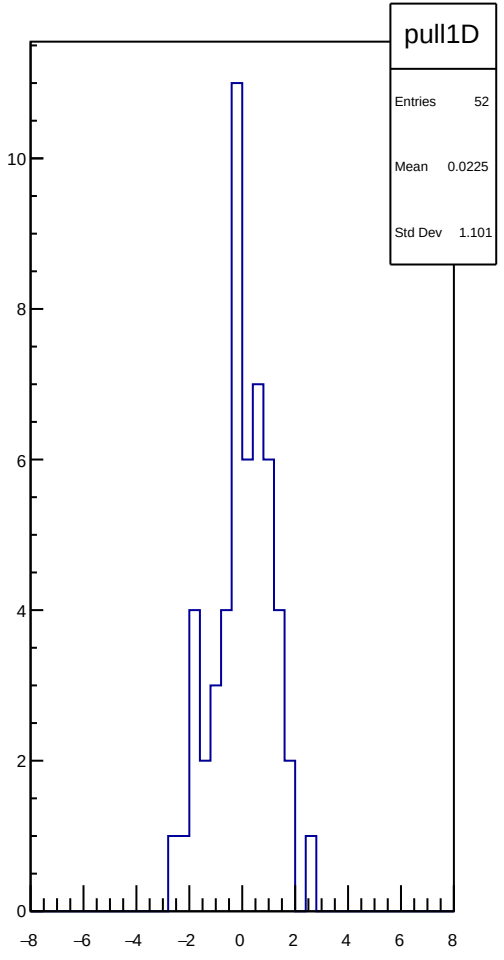
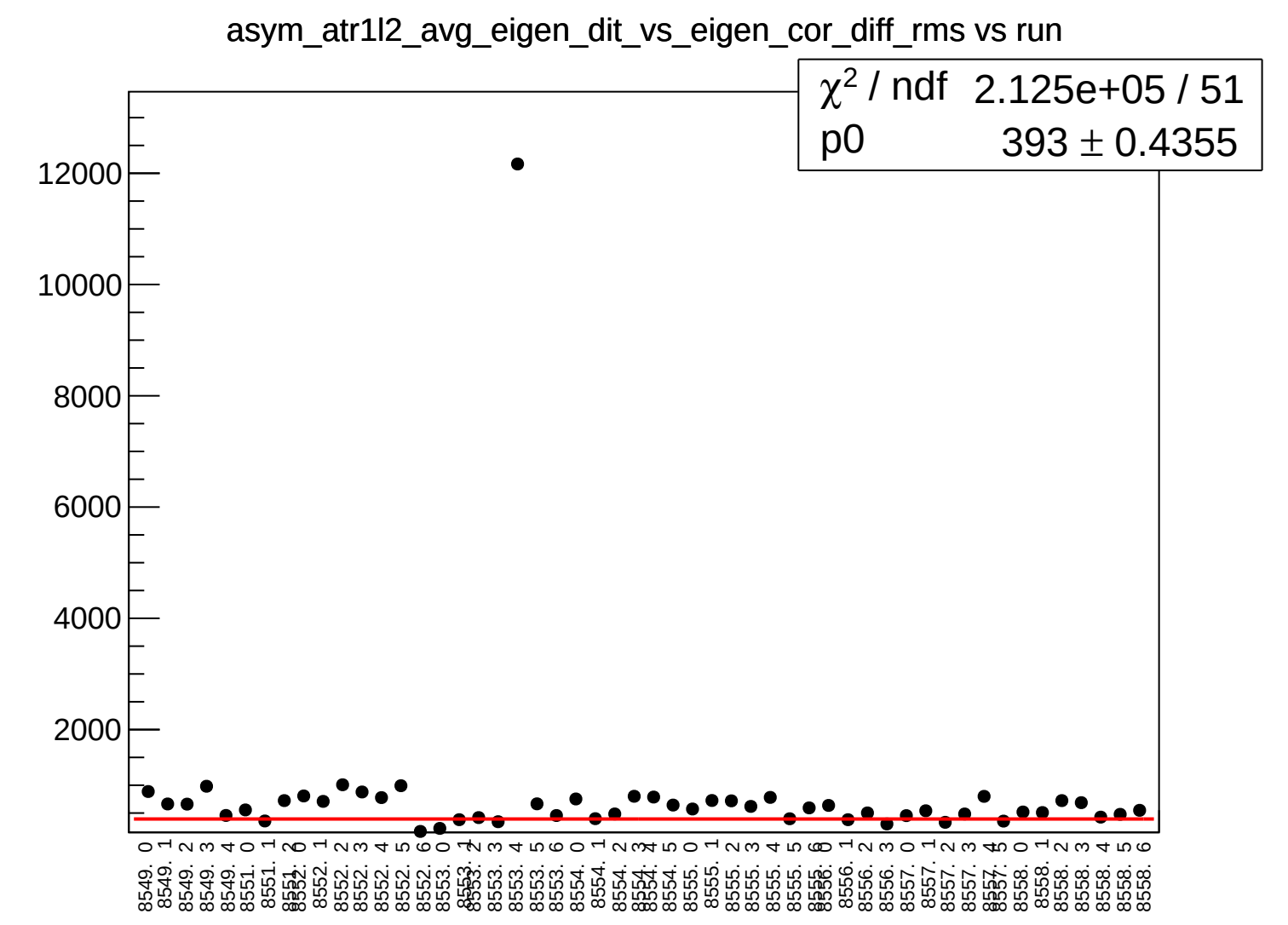
8558. 5
8558. 6


asym_atr1l2_avg_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 63 / 51
p0 −1.497 ± 0.6159
pull
Entries 52
Mean 175.2
Std Dev 0


pull1D
Entries 52
Mean 0.0225
Std Dev 1.101


asym_atr1l2_avg_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 2.125e+05 / 51
p0 393 ± 0.4355
12000
10000
8000
6000
4000
2000
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
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8552. 6
8553. 0
8553. 3
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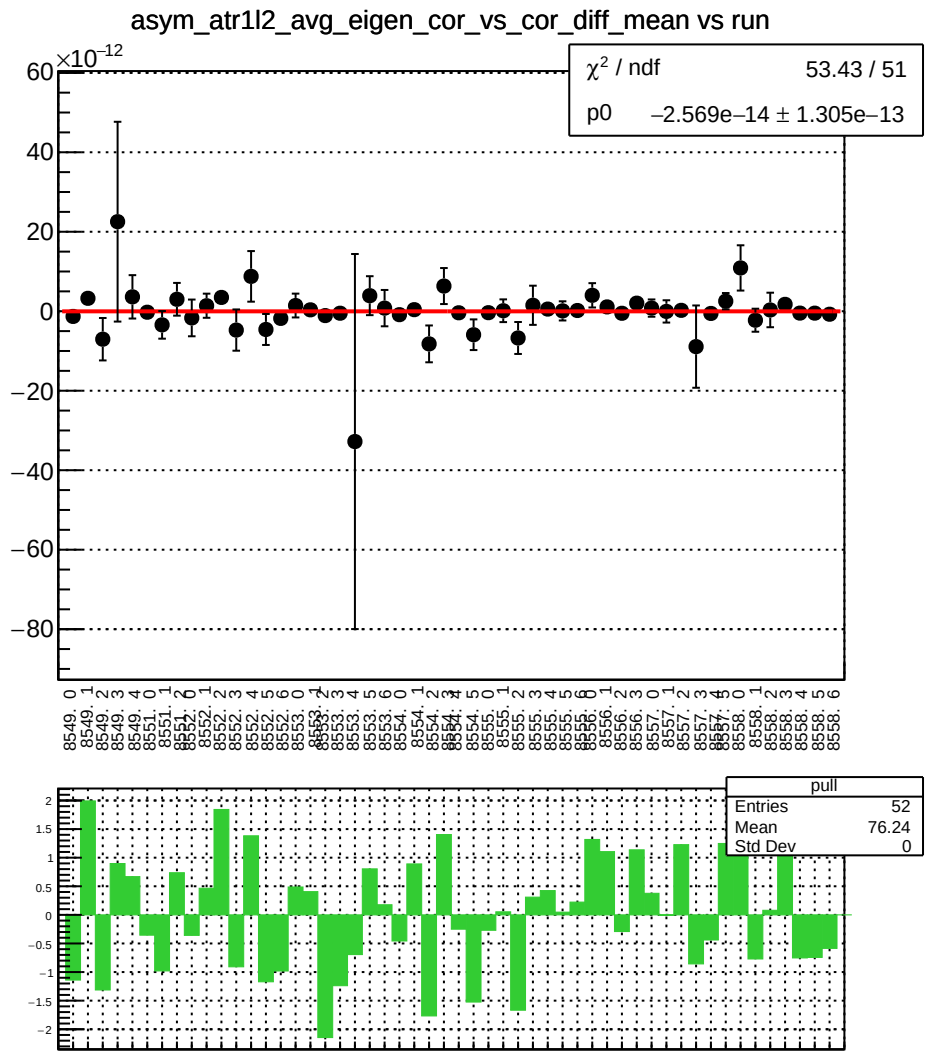
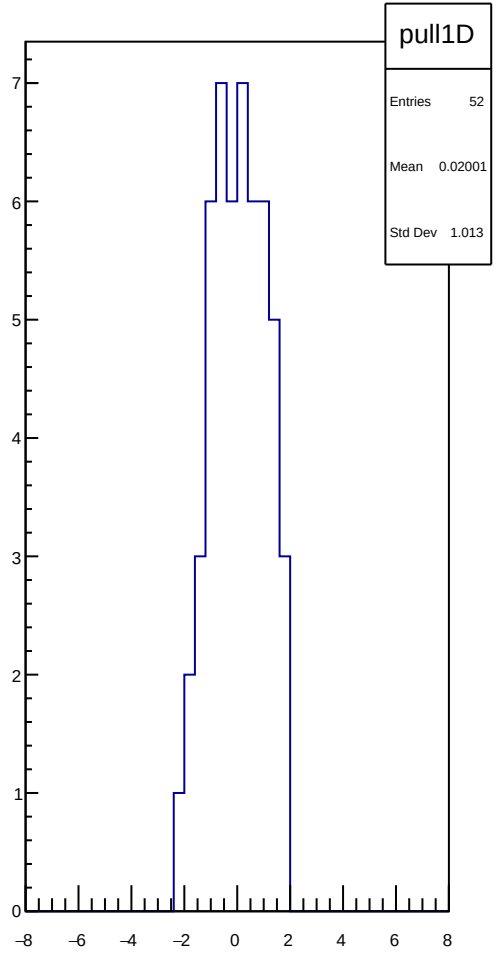
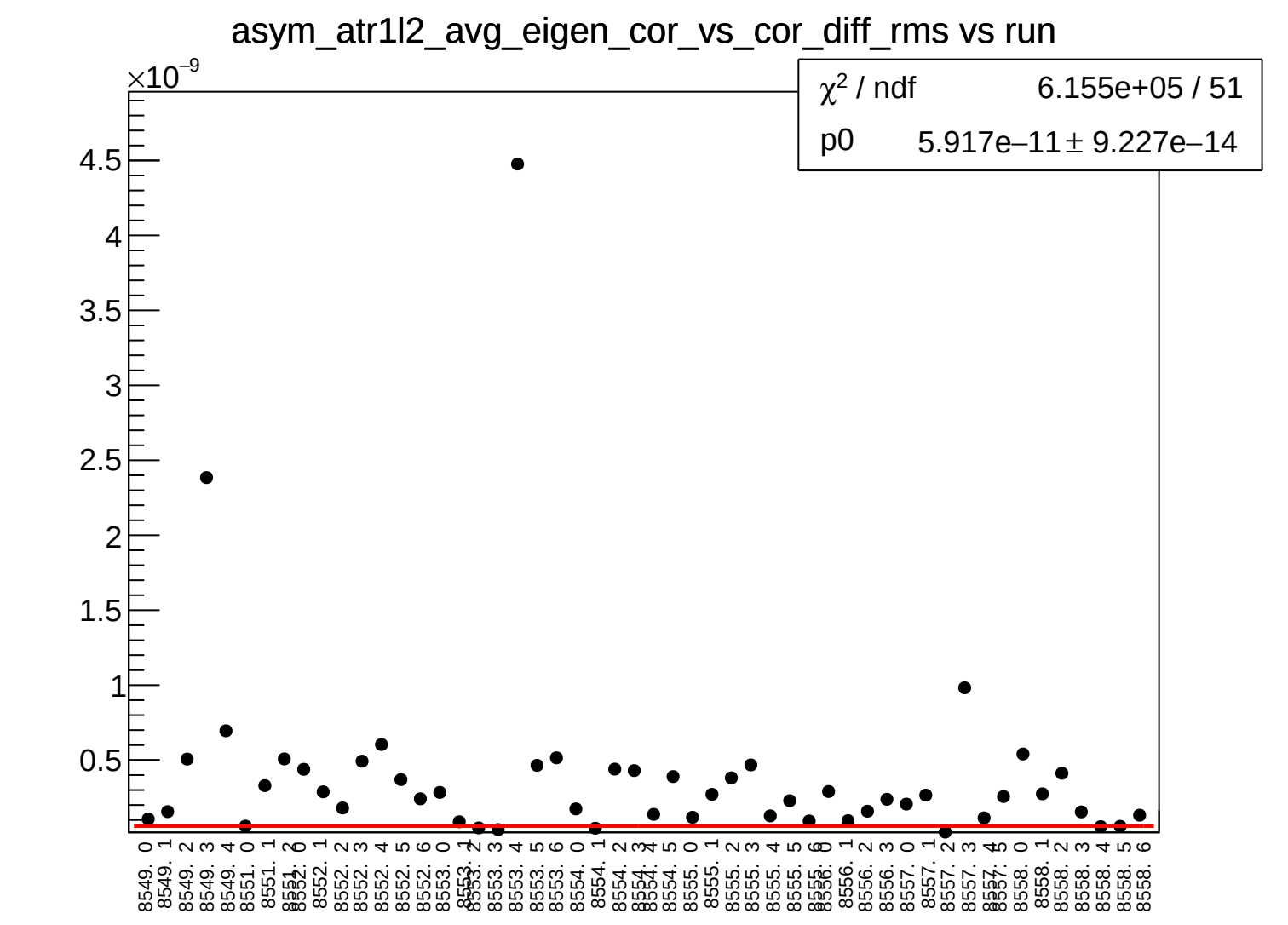
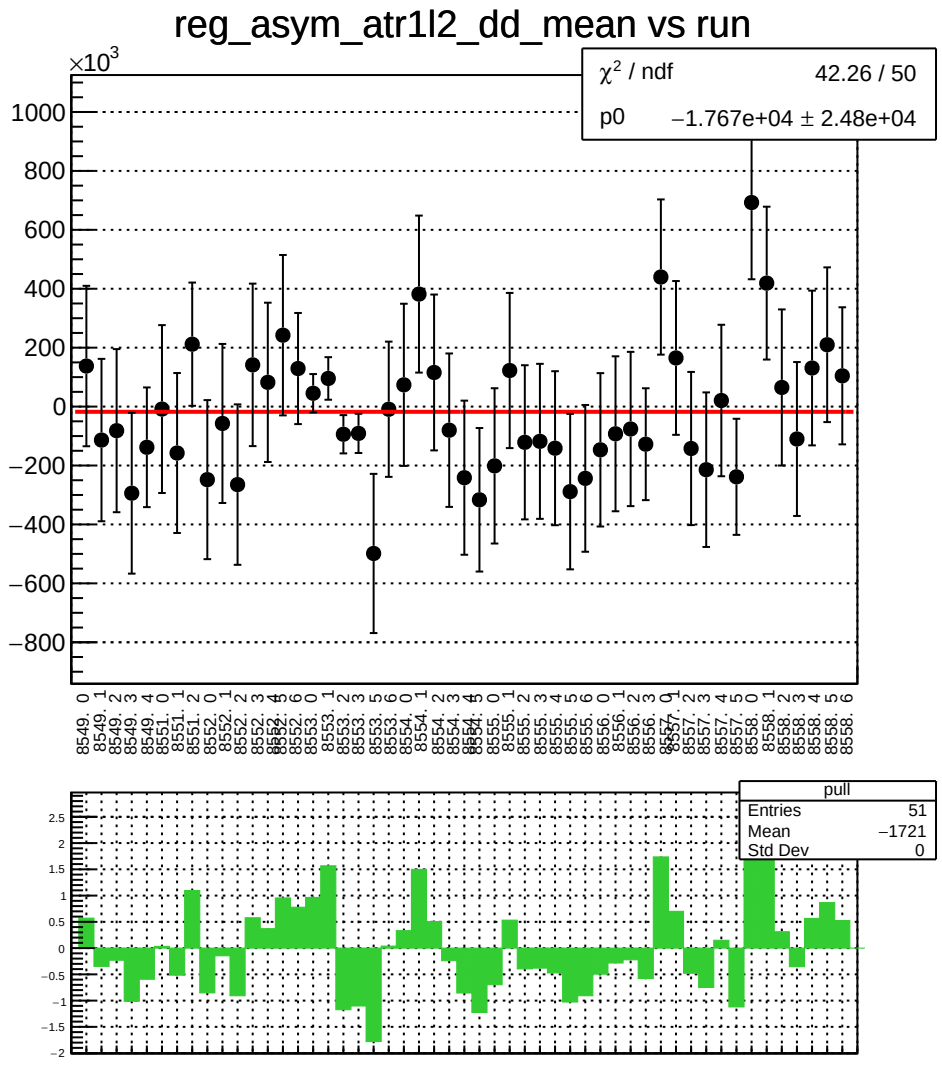
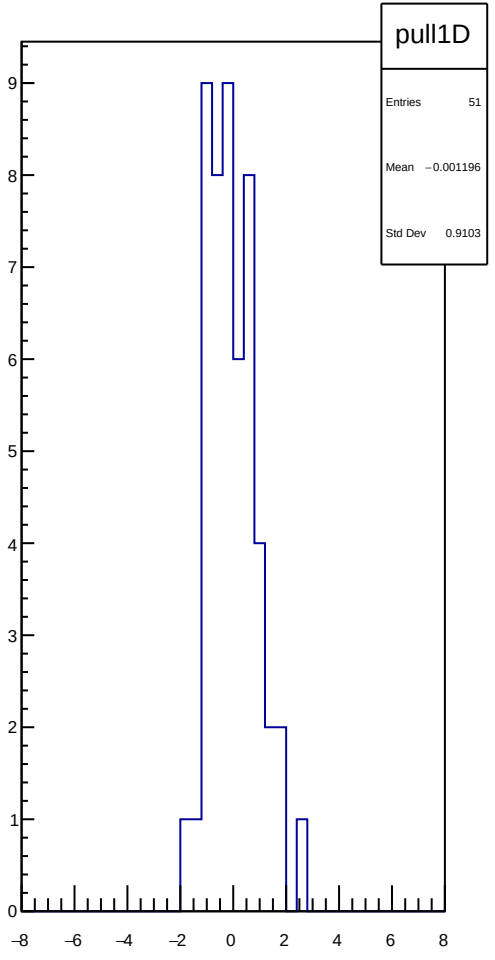
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

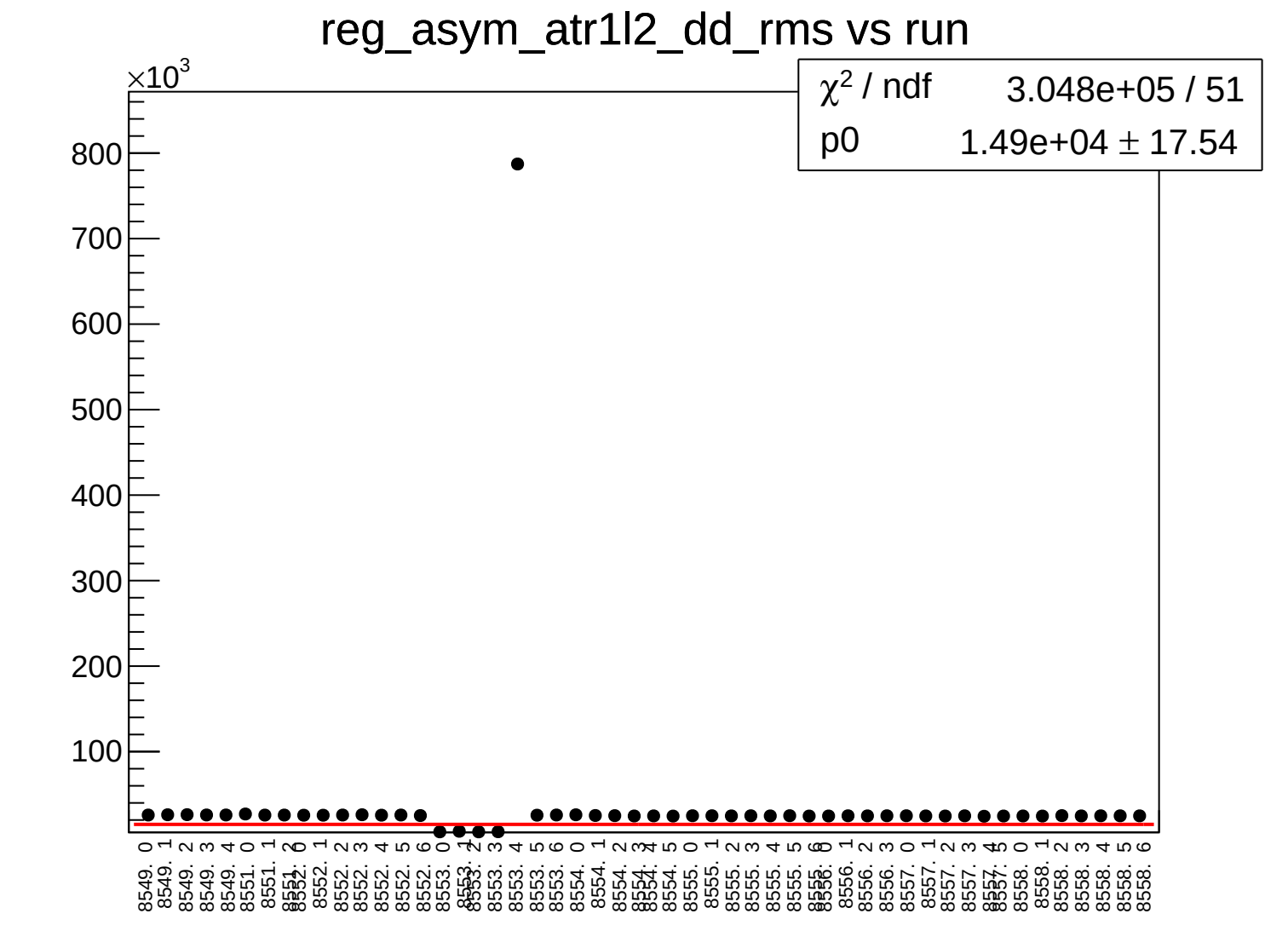

asym_atr1l2_avg_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 53.43 / 51
p0 −2.569e−14 ± 1.305e−13
pull
Entries 52
Mean 76.24
Std Dev 0

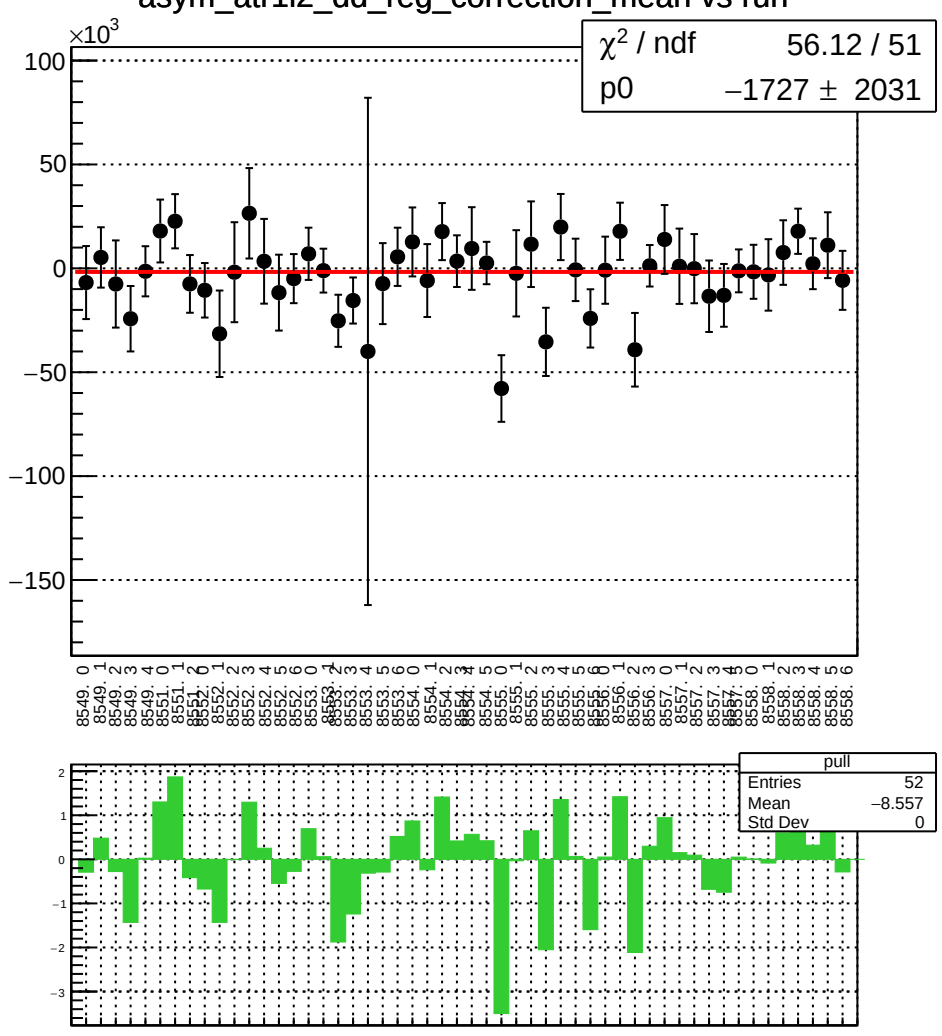

pull1D
Entries 52
Mean 0.02001
Std Dev 1.013

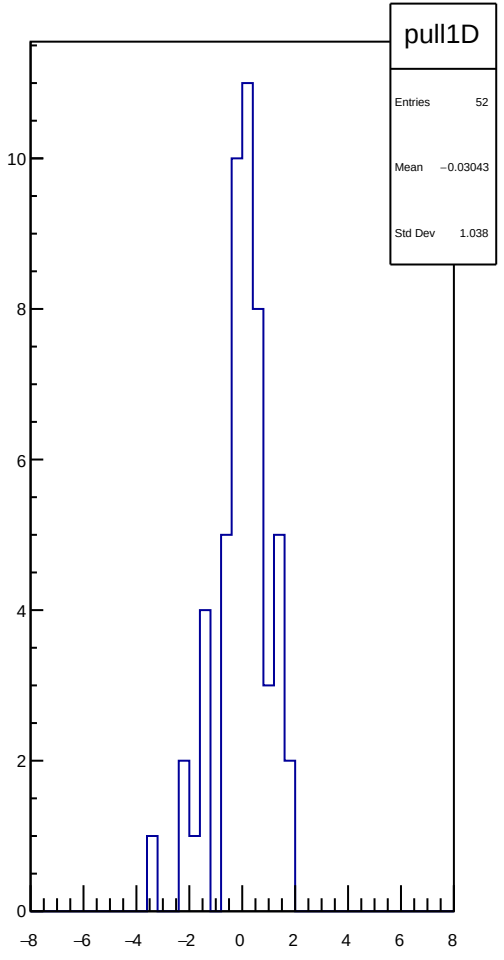

asym_atr1l2_avg_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 6.155e+05 / 51
p0 5.917e−11 ± 9.227e−14
4.5
4
3.5
3
2.5
2
1.5
1
0.5
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

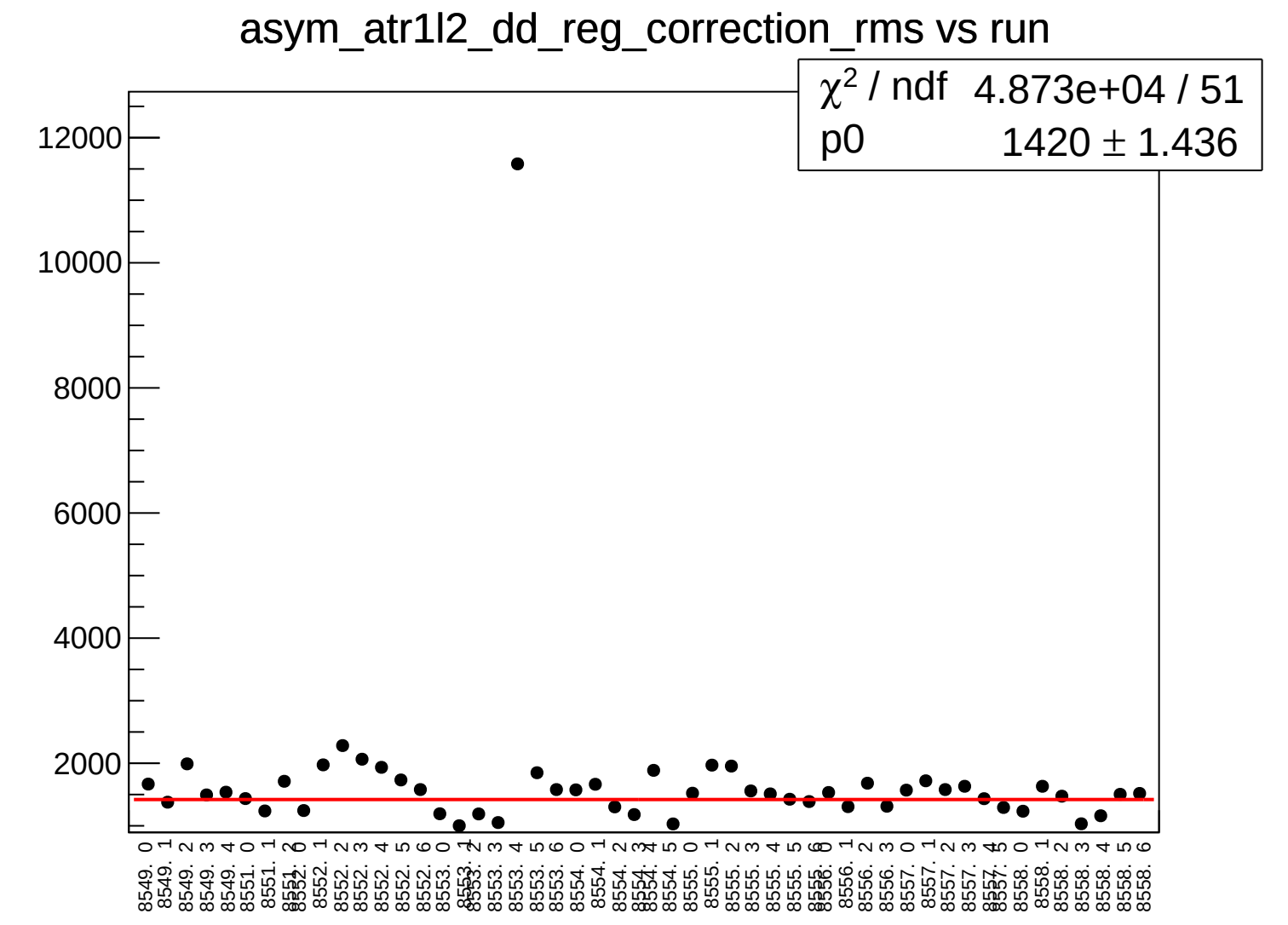

reg_asym_atr1l2_dd_mean vs run
×10^3
χ² / ndf 42.26 / 50
p0 −1.767e+04 ± 2.48e+04
pull
Entries 51
Mean −1721
Std Dev 0

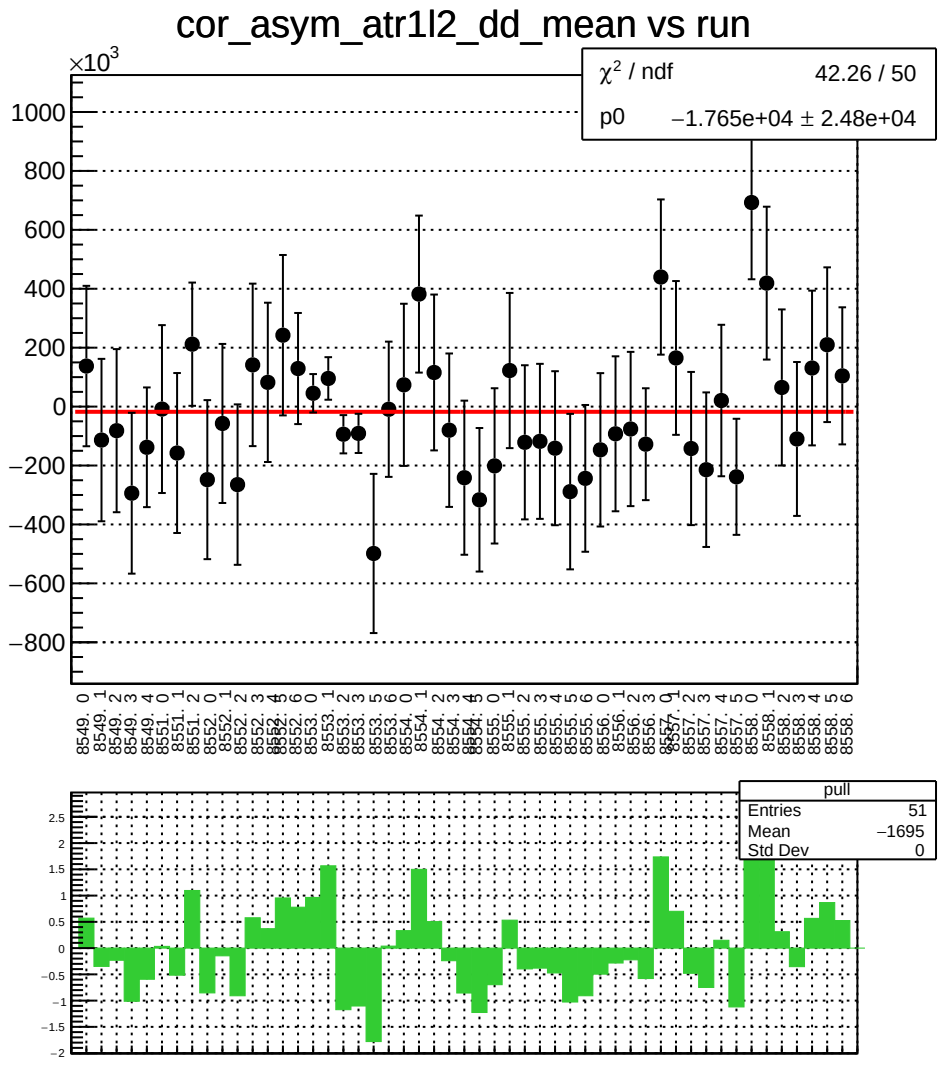

pull1D
Entries 51
Mean −0.001196
Std Dev 0.9103

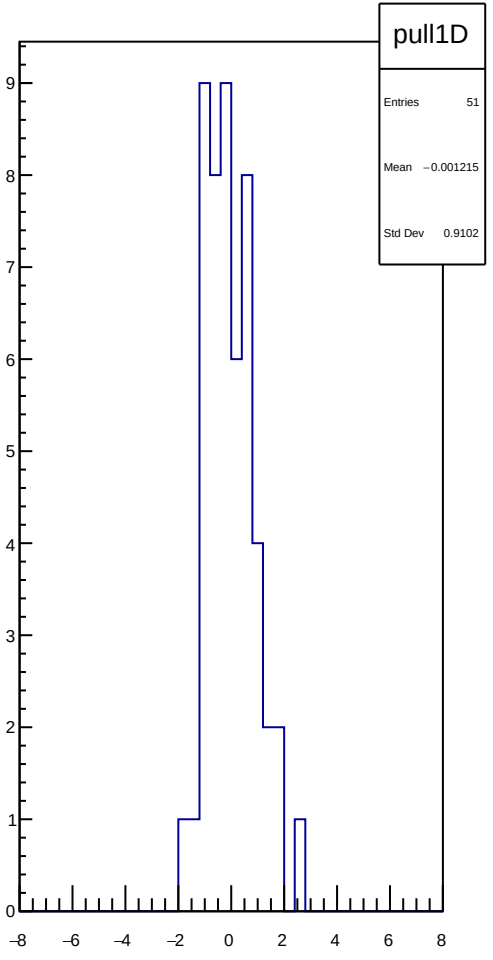

reg_asym_atr1l2_dd_rms vs run
×10^3
800
700
600
500
400
300
200
100
χ² / ndf 3.048e+05 / 51
p0 1.49e+04 ± 17.54
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

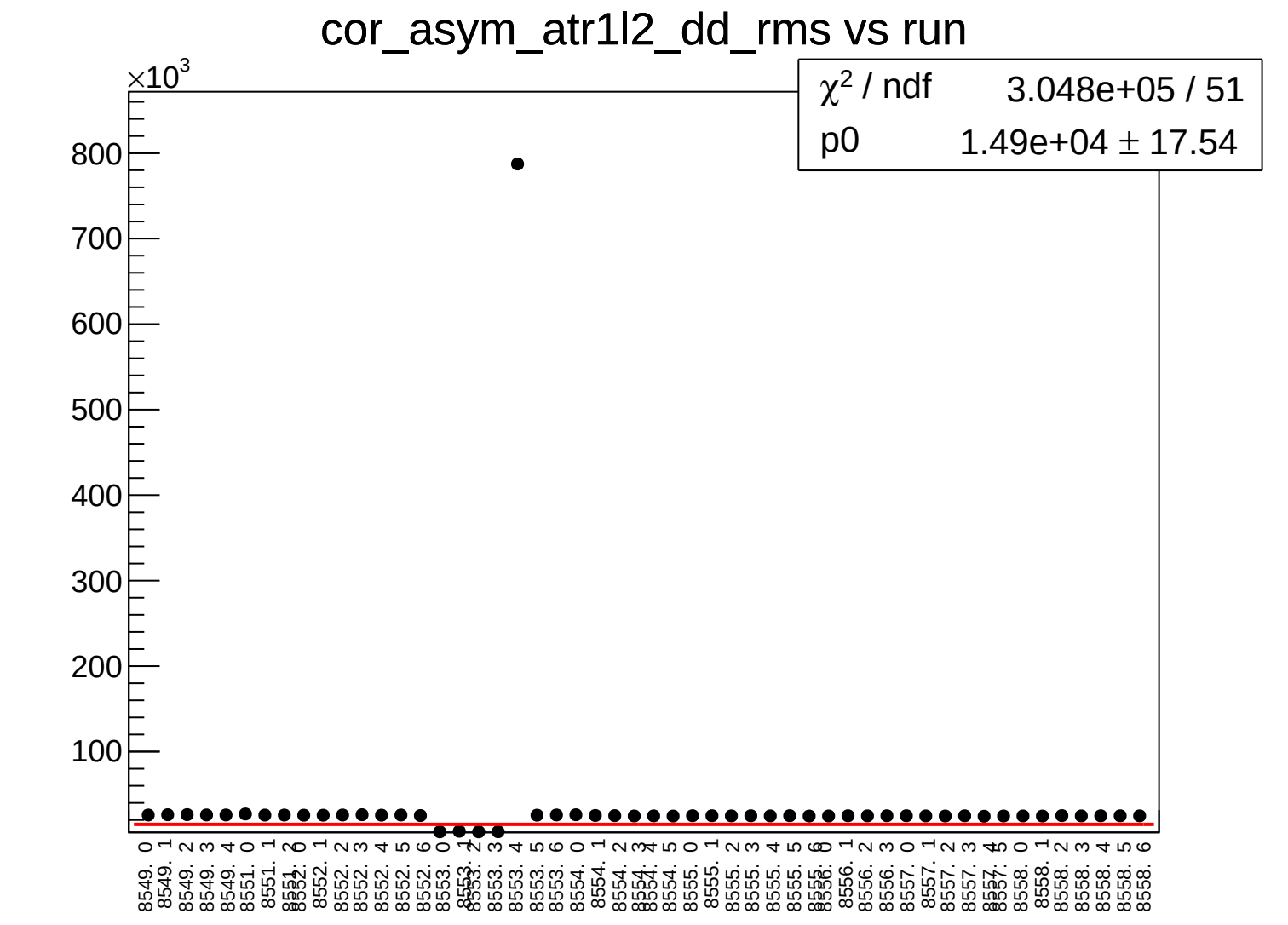

asym_atr1l2_dd_reg_correction_mean vs run
×10^3
χ² / ndf 56.12 / 51
p0 −1727 ± 2031
pull
Entries 52
Mean −8.557
Std Dev 0

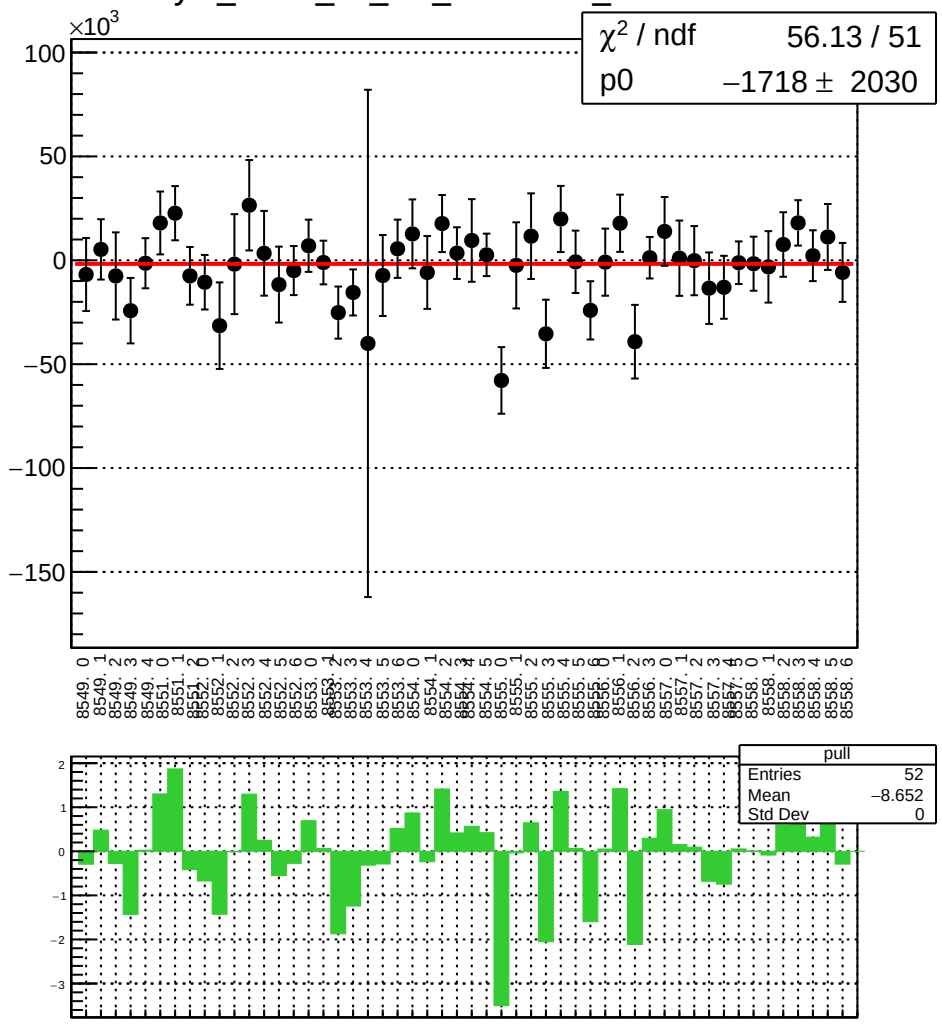

pull1D
Entries 52
Mean −0.03043
Std Dev 1.038

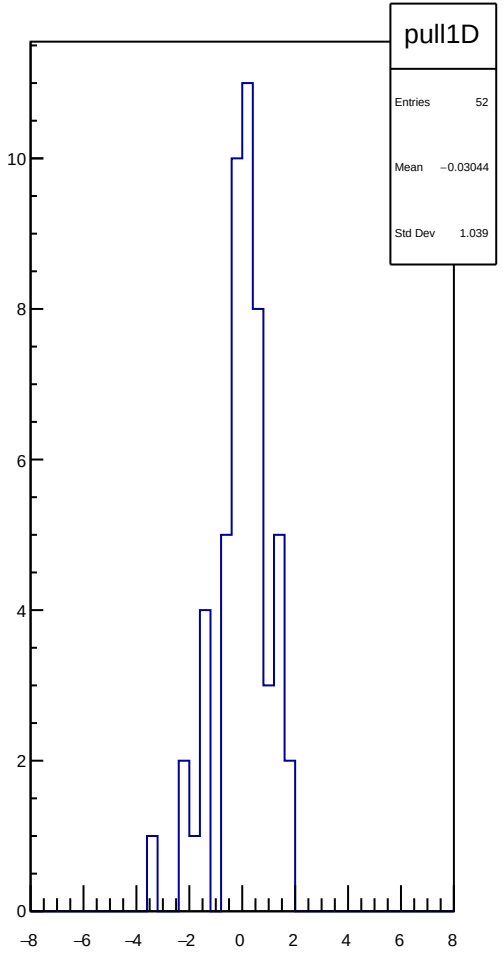

asym_atr1l2_dd_reg_correction_rms vs run
χ² / ndf 4.873e+04 / 51
p0 1420 ± 1.436
12000
10000
8000
6000
4000
2000
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

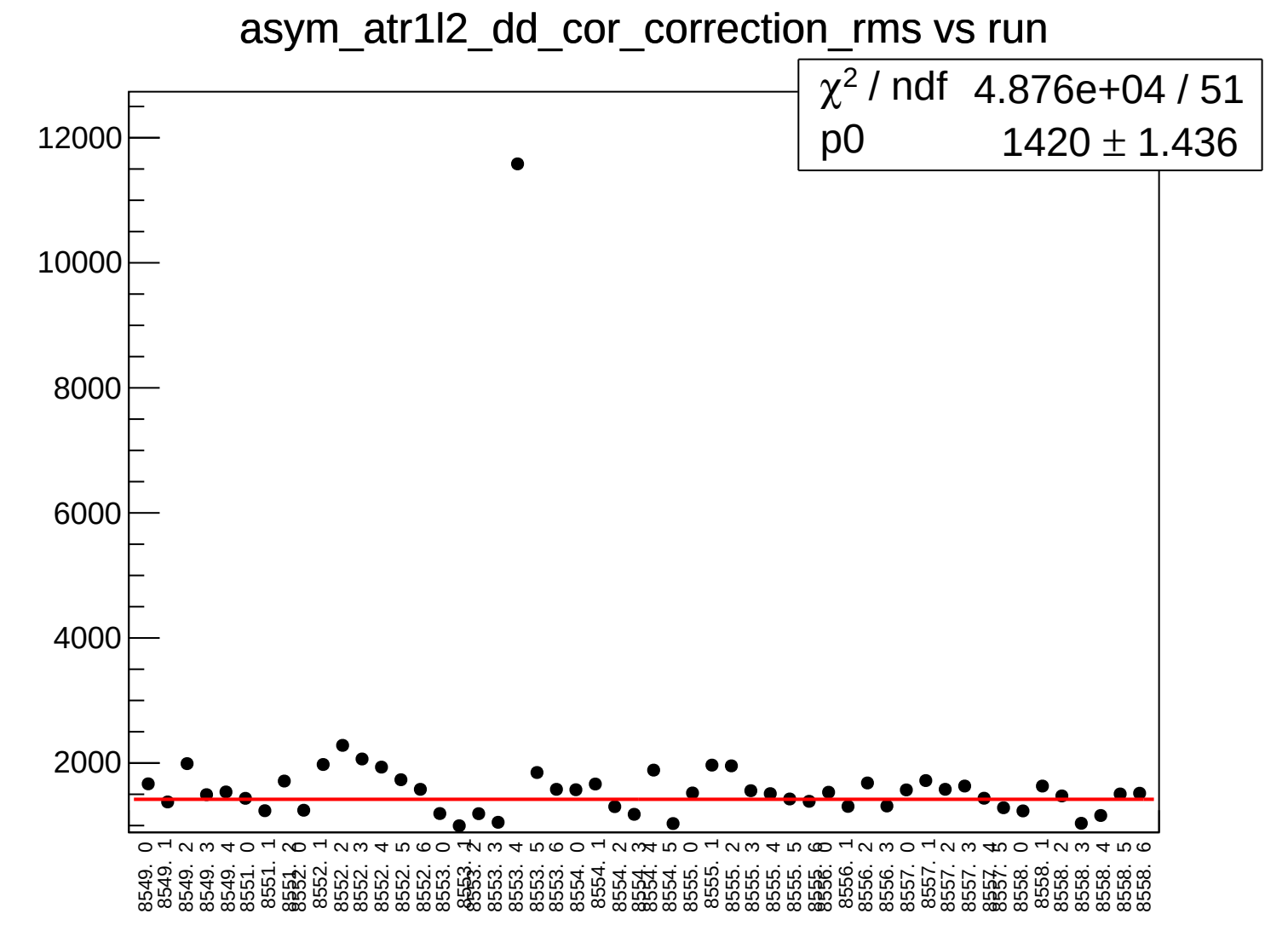

cor_asym_atr1l2_dd_mean vs run
×10^3
χ² / ndf 42.26 / 50
p0 −1.765e+04 ± 2.48e+04
pull
Entries 51
Mean −1695
Std Dev 0

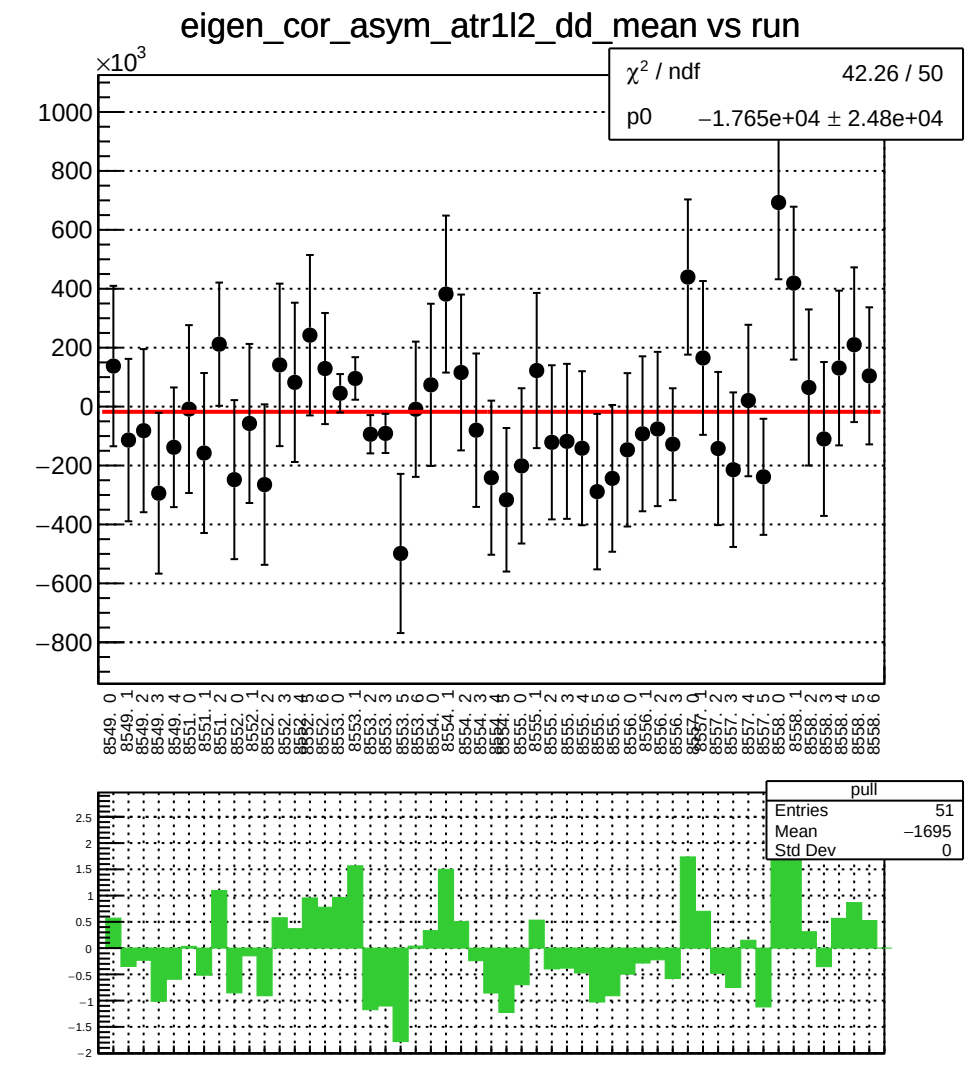

pull1D
Entries 51
Mean −0.001215
Std Dev 0.9102

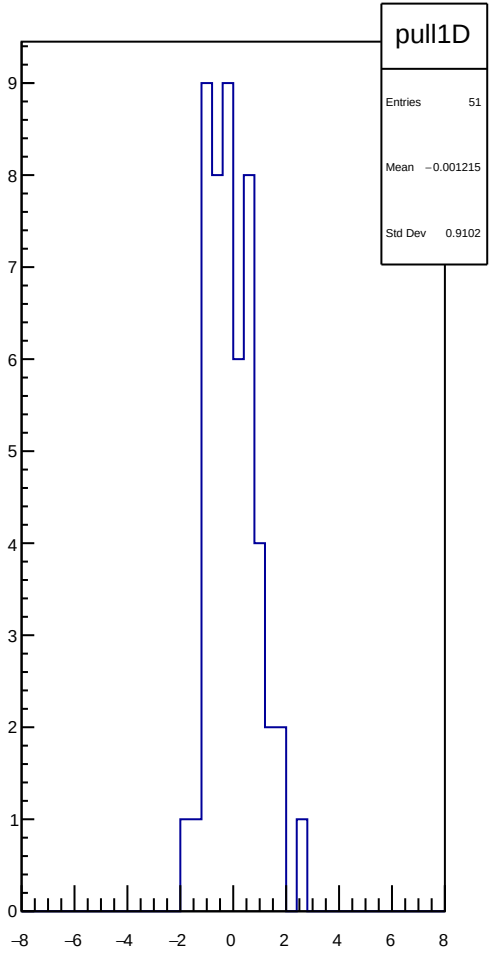

cor_asym_atr1l2_dd_rms vs run
×10^3
800
700
600
500
400
300
200
100
χ² / ndf 3.048e+05 / 51
p0 1.49e+04 ± 17.54
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 1
8553. 2
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 5
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

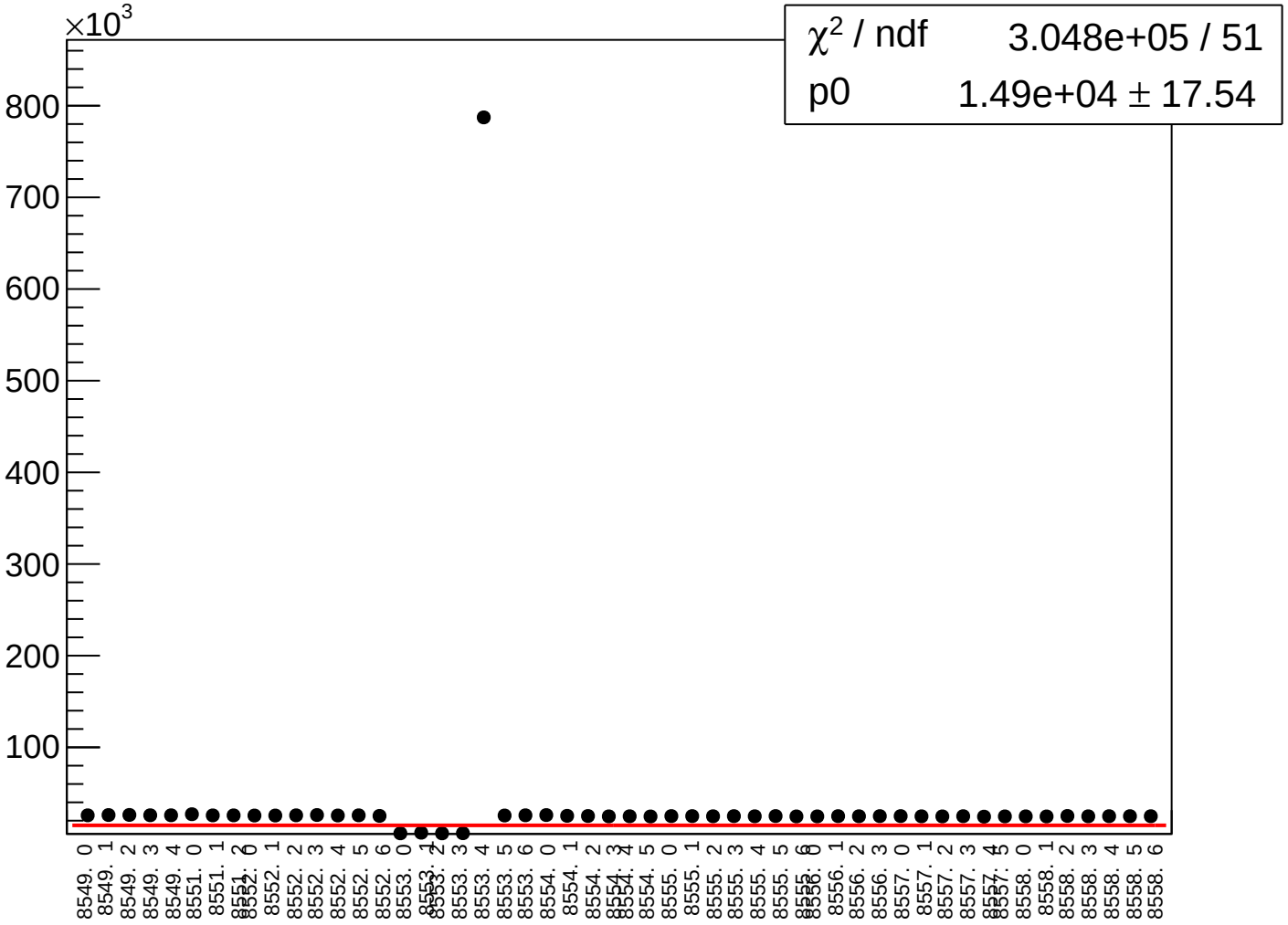

asym_atr1l2_dd_cor_correction_mean vs run
×10^3
χ² / ndf 56.13 / 51
p0 −1718 ± 2030
pull
Entries 52
Mean −8.652
Std Dev 0

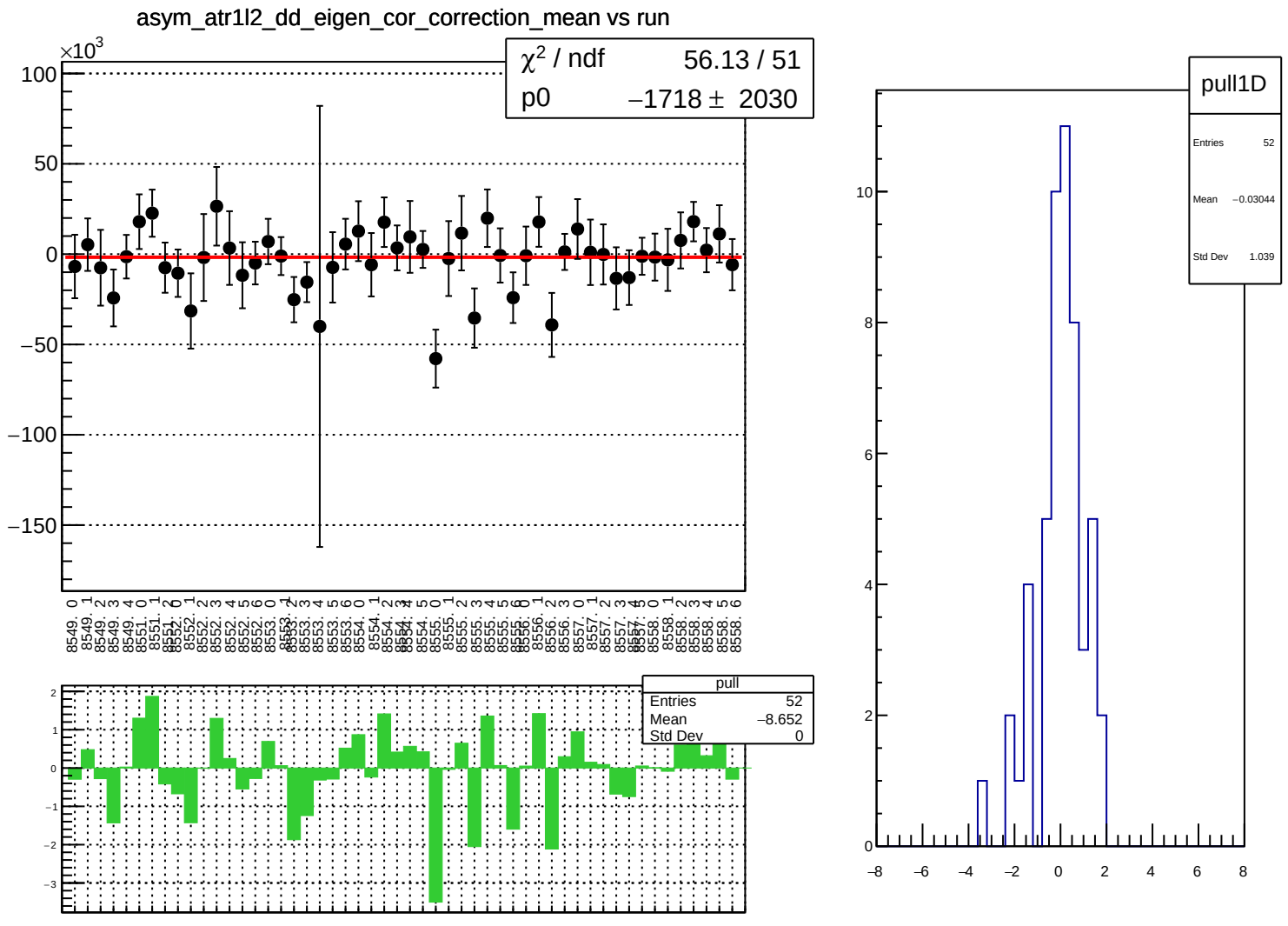

pull1D
Entries 52
Mean −0.03044
Std Dev 1.039

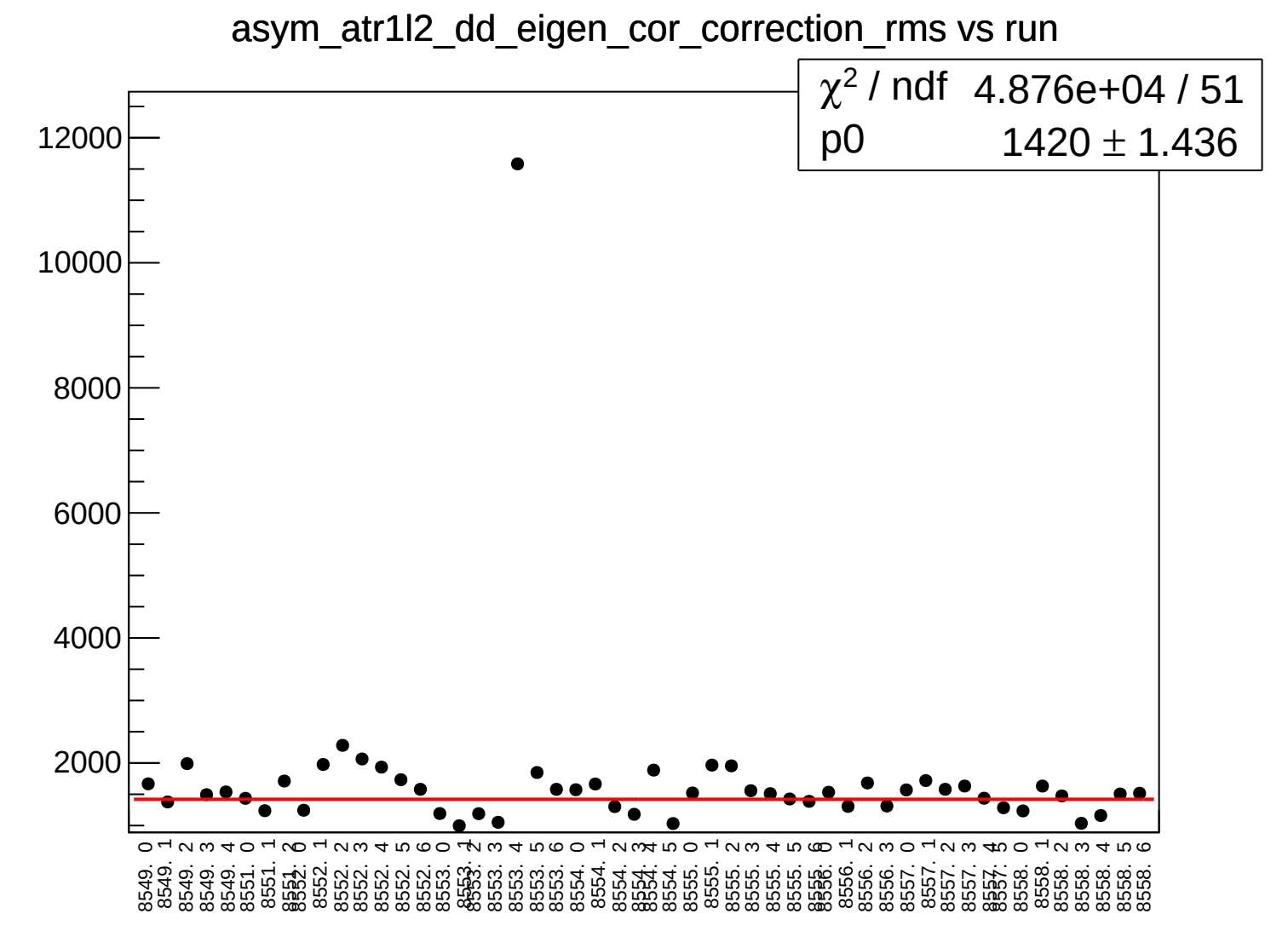

asym_atr1l2_dd_cor_correction_rms vs run
χ² / ndf 4.876e+04 / 51
p0 1420 ± 1.436
12000
10000
8000
6000
4000
2000
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8551. 2
8551. 6
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 1
8553. 2
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 3
8554. 4
8554. 5
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8557. 4
8557. 5
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

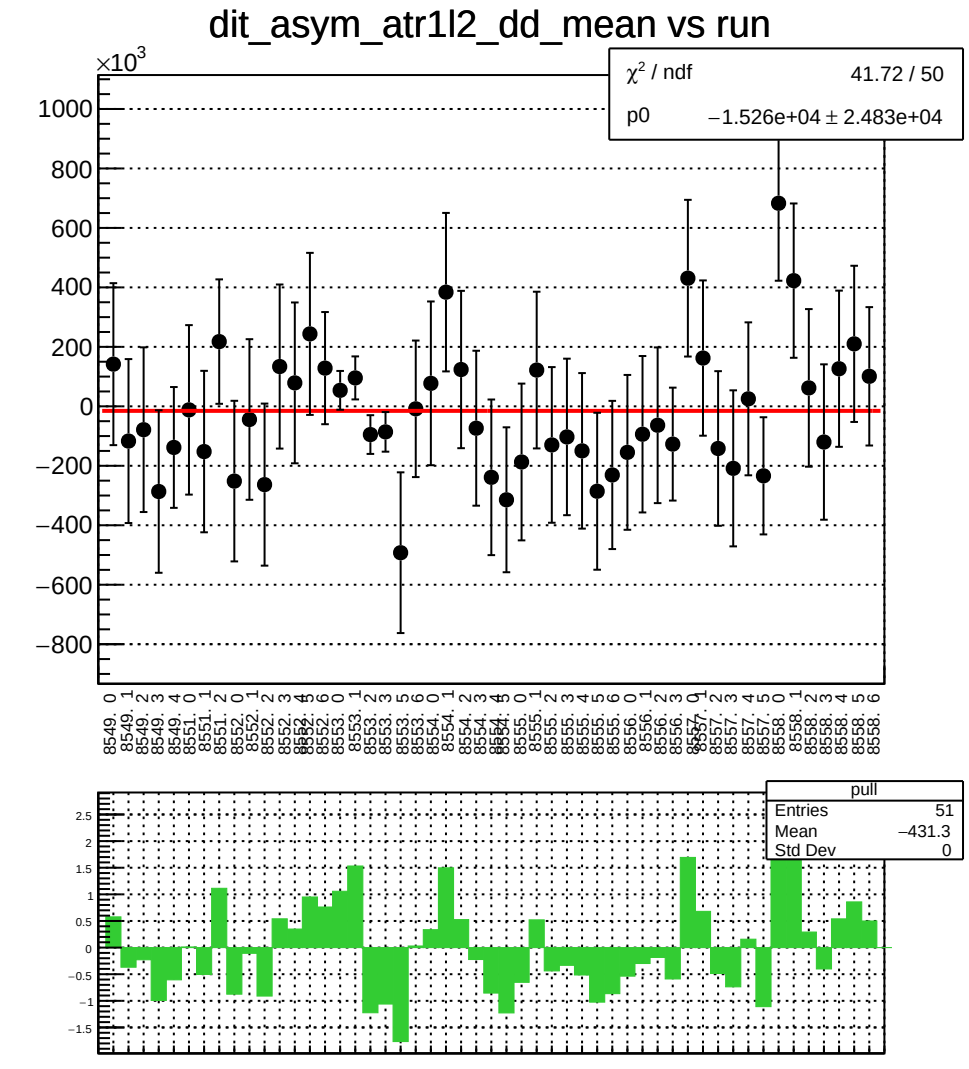

eigen_cor_asym_atr1l2_dd_mean vs run
×10^3
χ² / ndf 42.26 / 50
p0 −1.765e+04 ± 2.48e+04
pull
Entries 51
Mean −1695
Std Dev 0

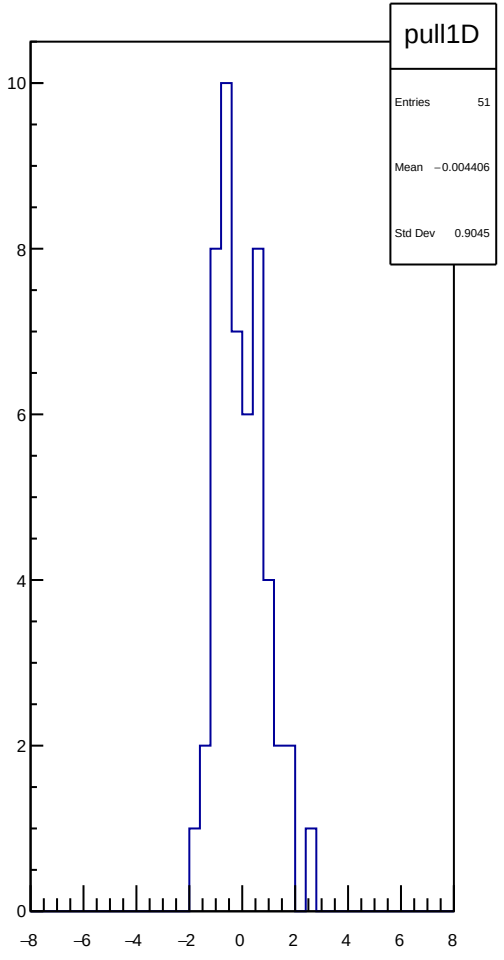

pull1D
Entries 51
Mean −0.001215
Std Dev 0.9102

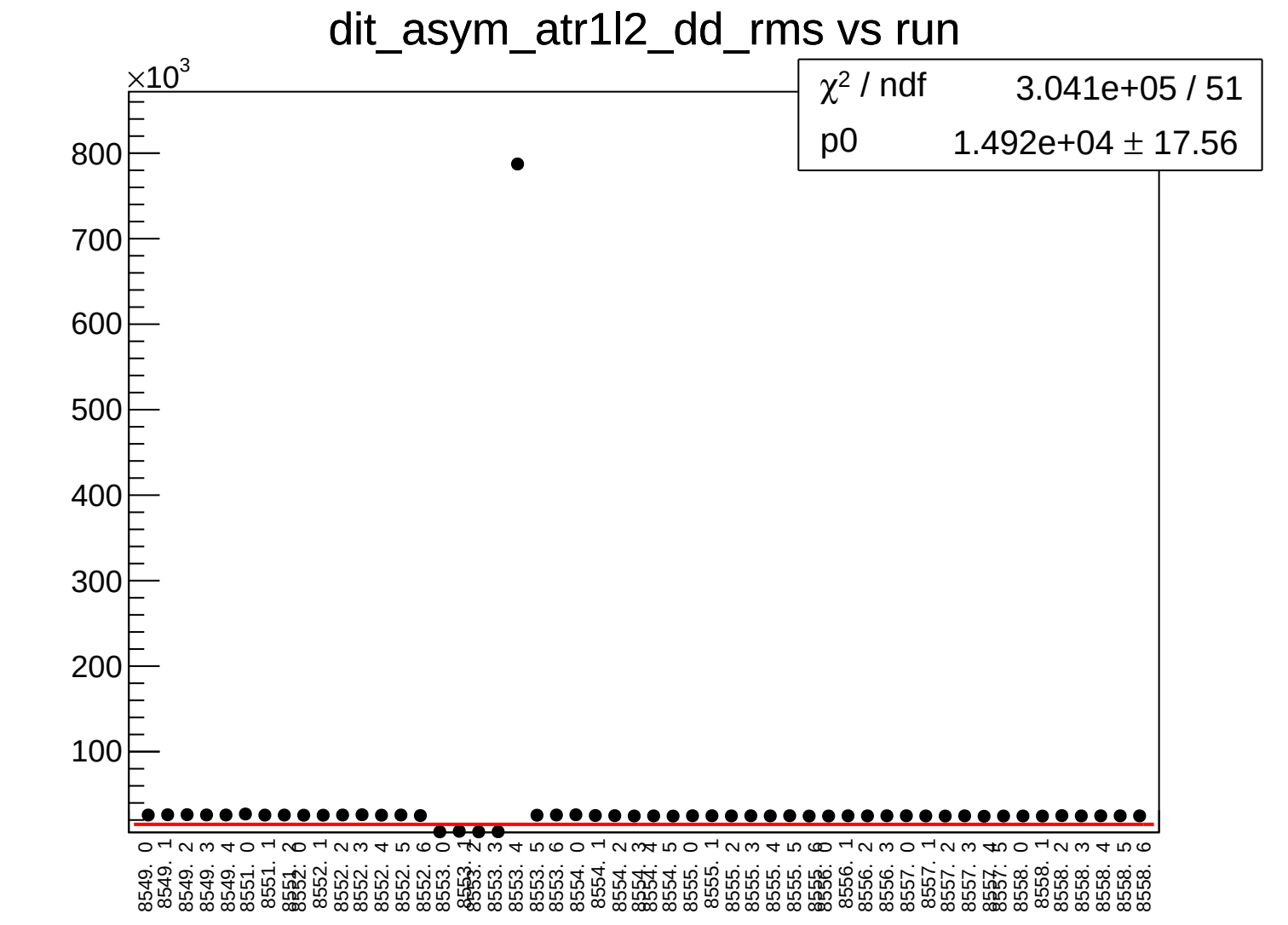

eigen_cor_asym_atr1l2_dd_rms vs run
×10^3
χ² / ndf 3.048e+05 / 51
p0 1.49e+04 ± 17.54
800
700
600
500
400
300
200
100
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 1
8553. 2
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 5
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

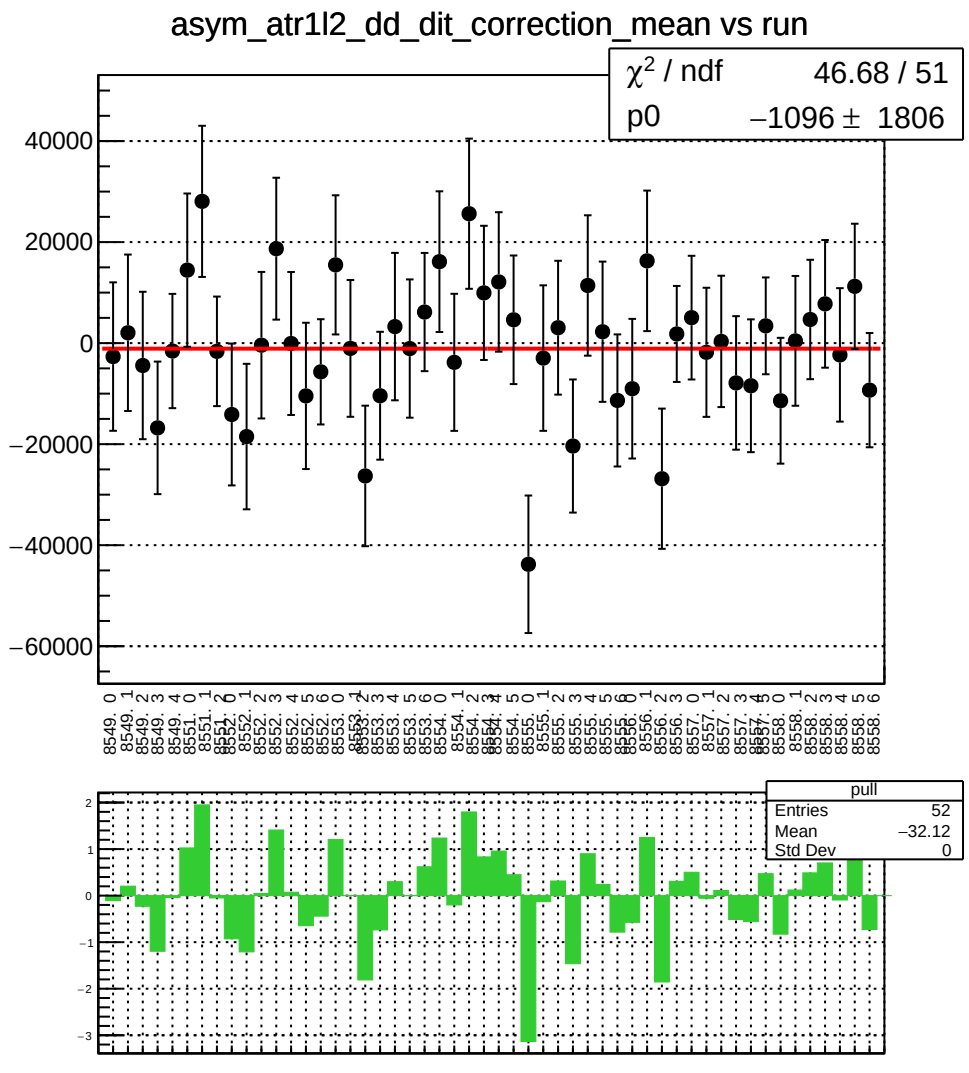

asym_atr1l2_dd_eigen_cor_correction_mean vs run
×10^3
χ² / ndf 56.13 / 51
p0 −1718 ± 2030
pull
Entries 52
Mean −8.652
Std Dev 0
pull1D
Entries 52
Mean −0.03044
Std Dev 1.039

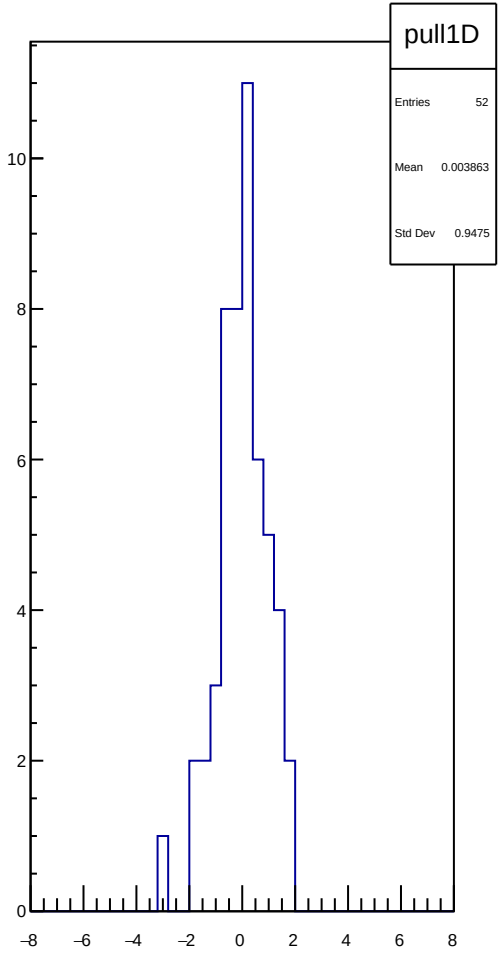

asym_atr1l2_dd_eigen_cor_correction_rms vs run
χ² / ndf 4.876e+04 / 51
p0 1420 ± 1.436
12000
10000
8000
6000
4000
2000
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 0
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 5
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

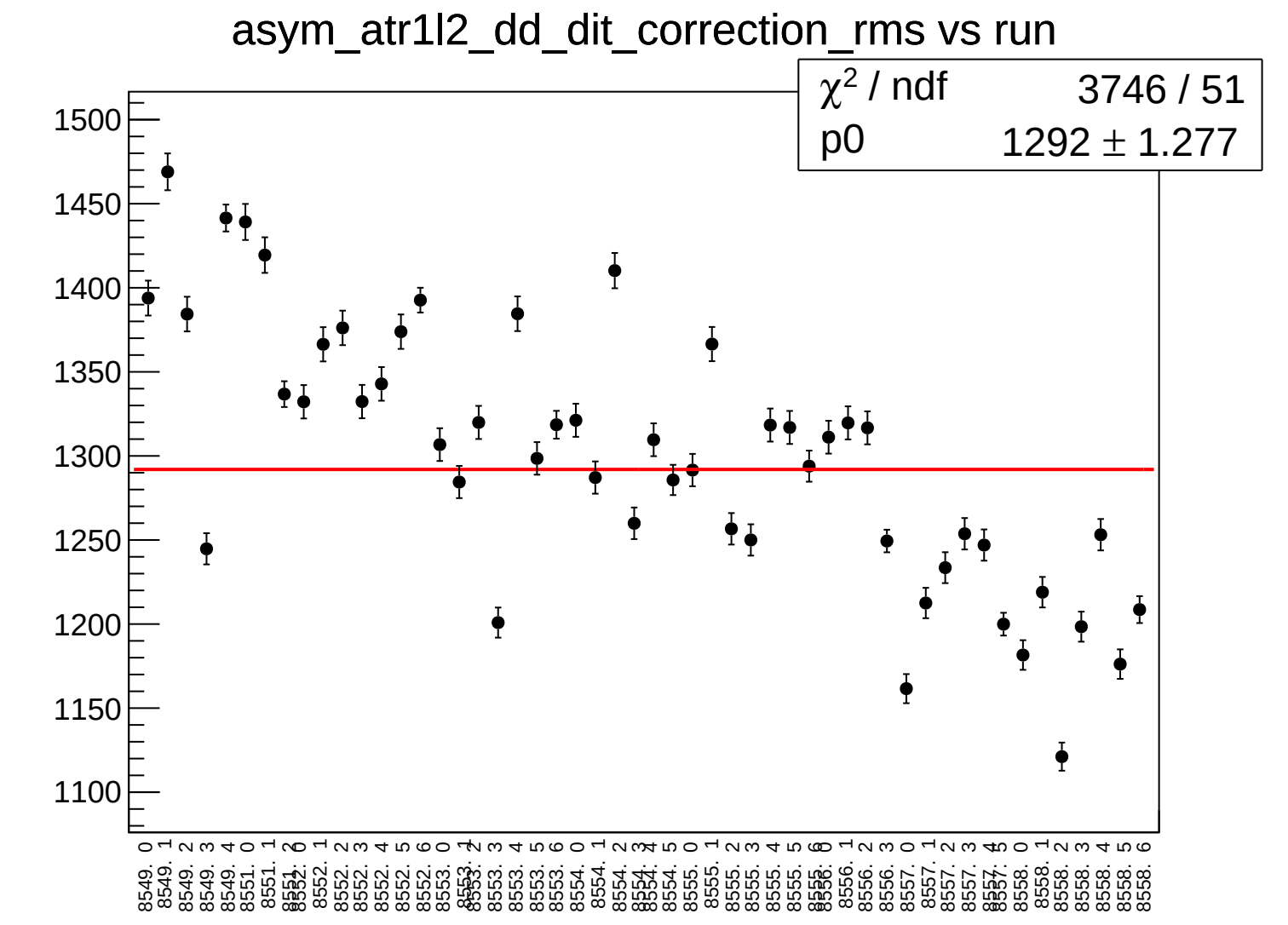

dit_asym_atr1l2_dd_mean vs run
×10^3
χ² / ndf 41.72 / 50
p0 −1.526e+04 ± 2.483e+04
pull
Entries 51
Mean −431.3
Std Dev 0

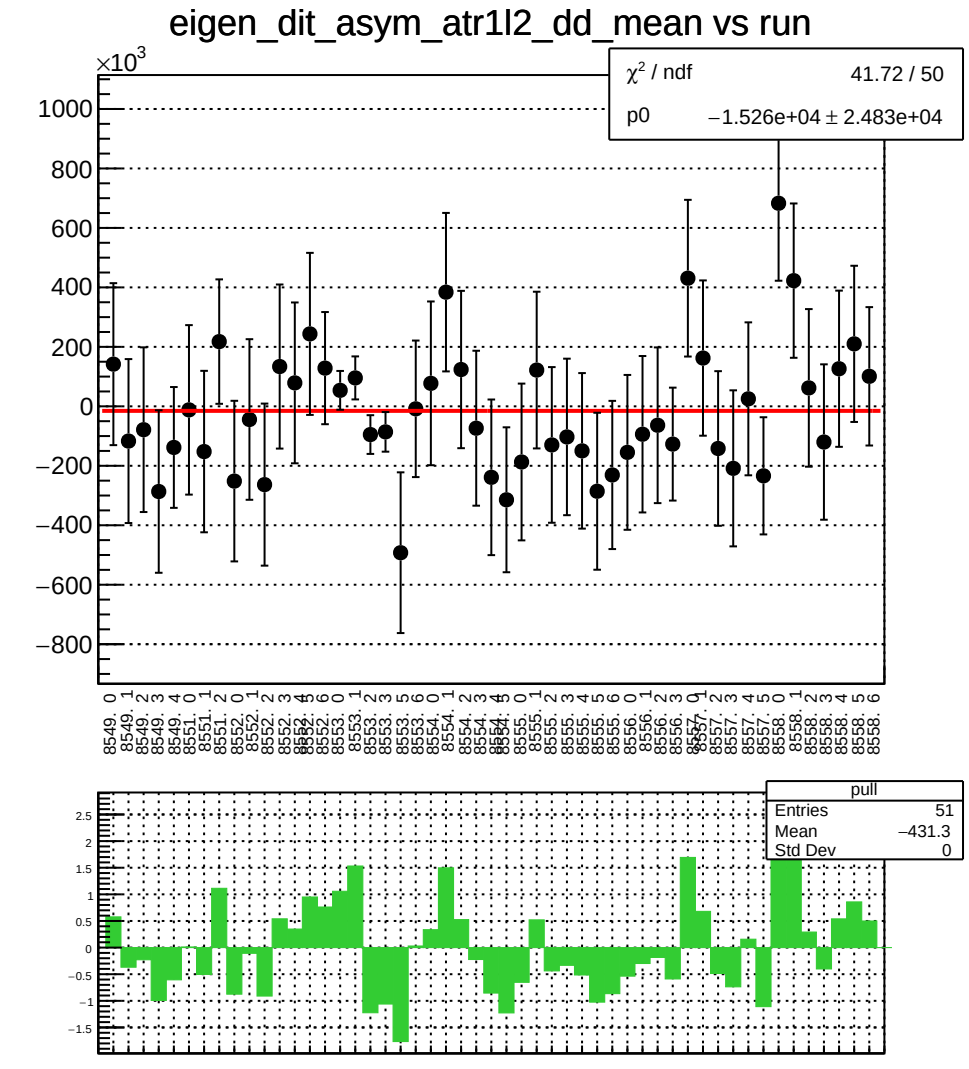

pull1D
Entries 51
Mean −0.004406
Std Dev 0.9045

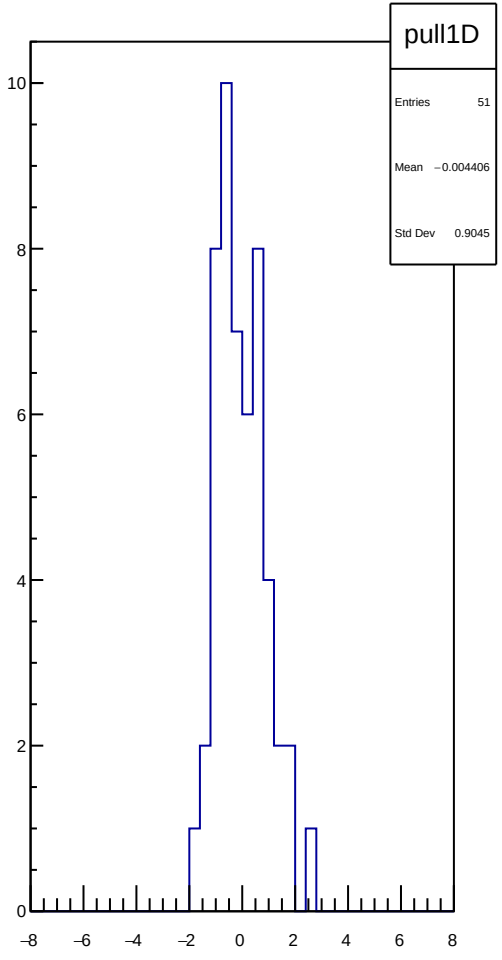

dit_asym_atr1l2_dd_rms vs run
χ² / ndf 3.041e+05 / 51
p0 1.492e+04 ± 17.56
×10³
800
700
600
500
400
300
200
100
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 0
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 1
8553. 2
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 5
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

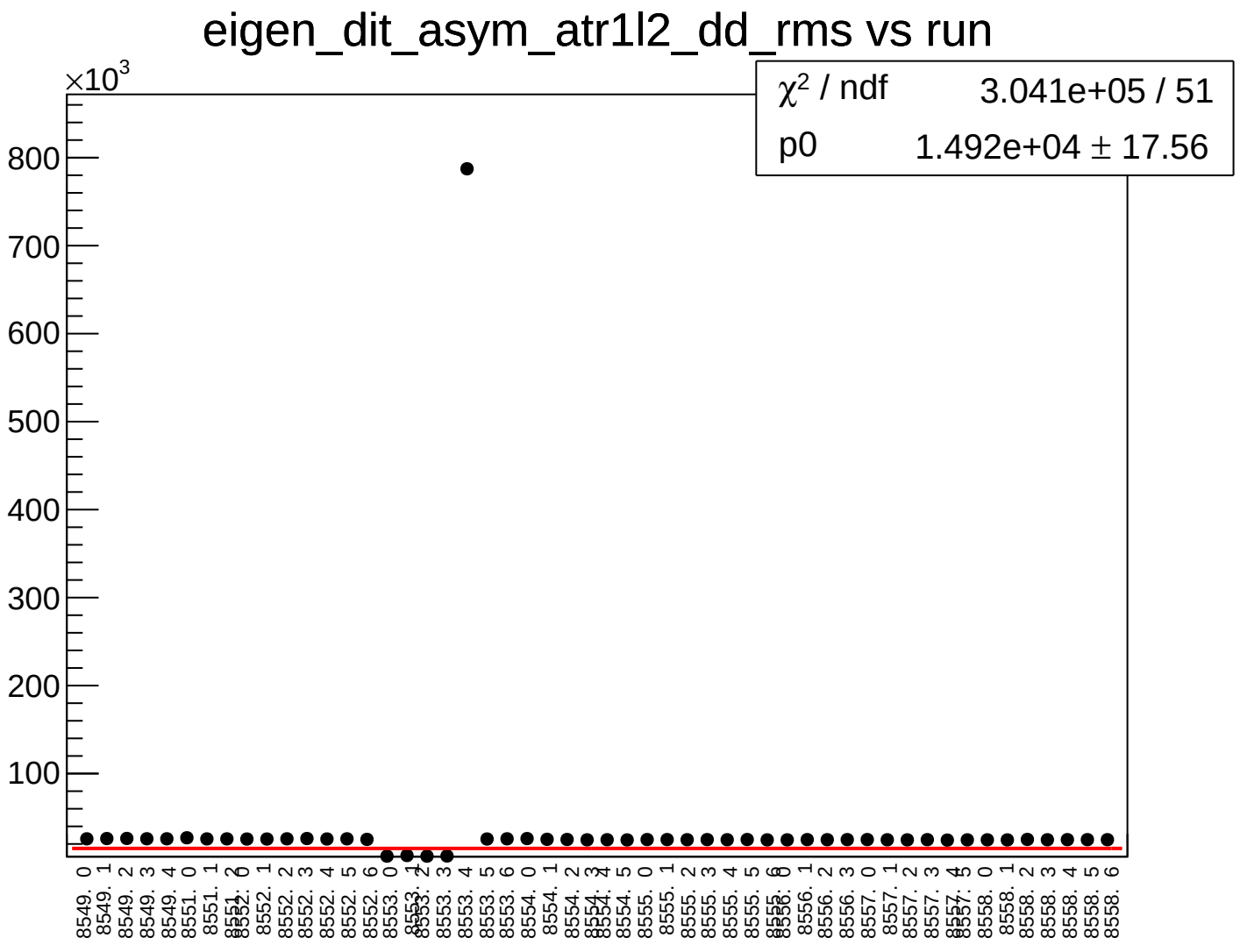

asym_atr1l2_dd_dit_correction_mean vs run
χ² / ndf 46.68 / 51
p0 −1096 ± 1806
40000
20000
0
−20000
−40000
−60000
pull
Entries 52
Mean −32.12
Std Dev 0
2
1
0
−1
−2
−3

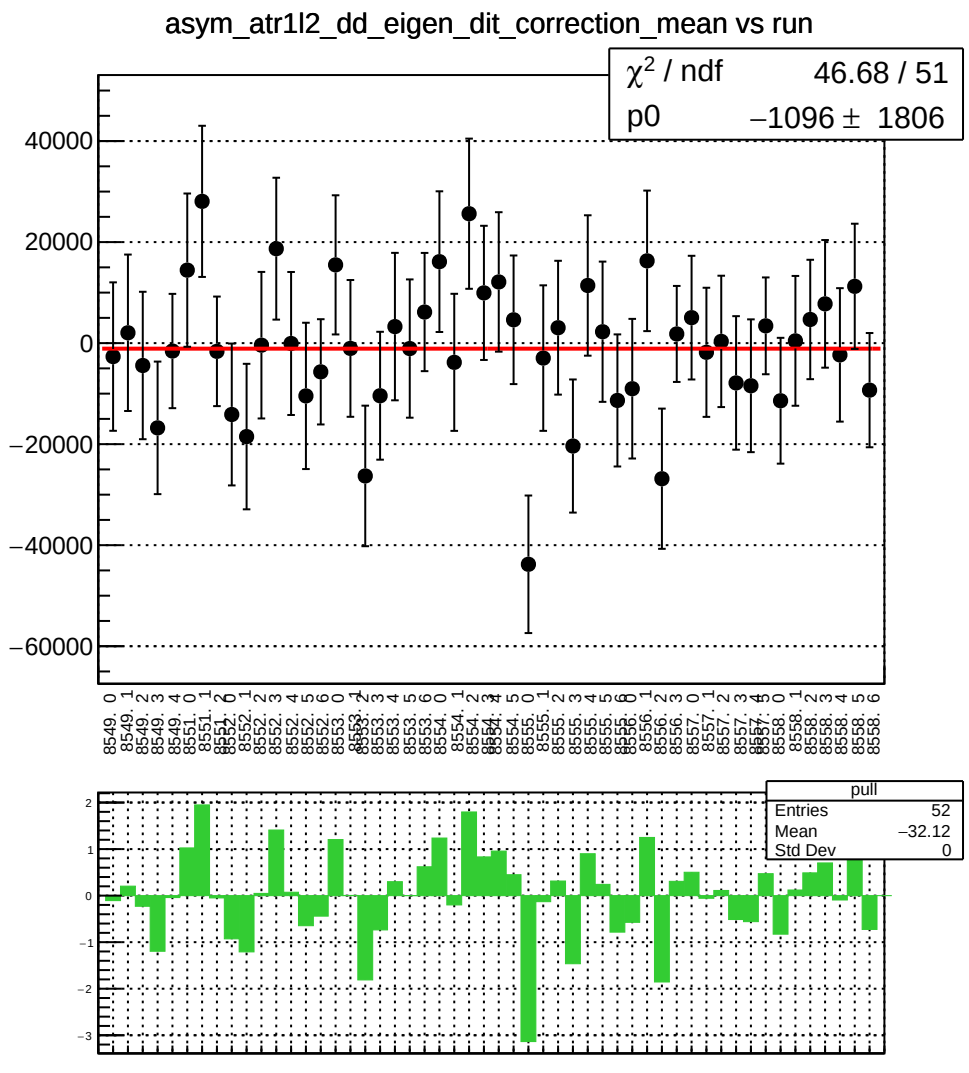

pull1D
Entries 52
Mean 0.003863
Std Dev 0.9475
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

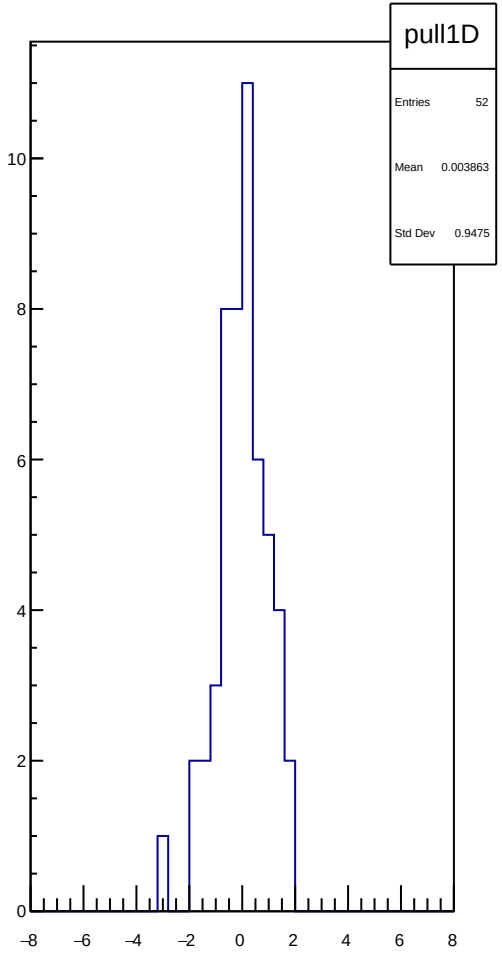

asym_atr1l2_dd_dit_correction_rms vs run
χ² / ndf 3746 / 51
p0 1292 ± 1.277
1500
1450
1400
1350
1300
1250
1200
1150
1100
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 5
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

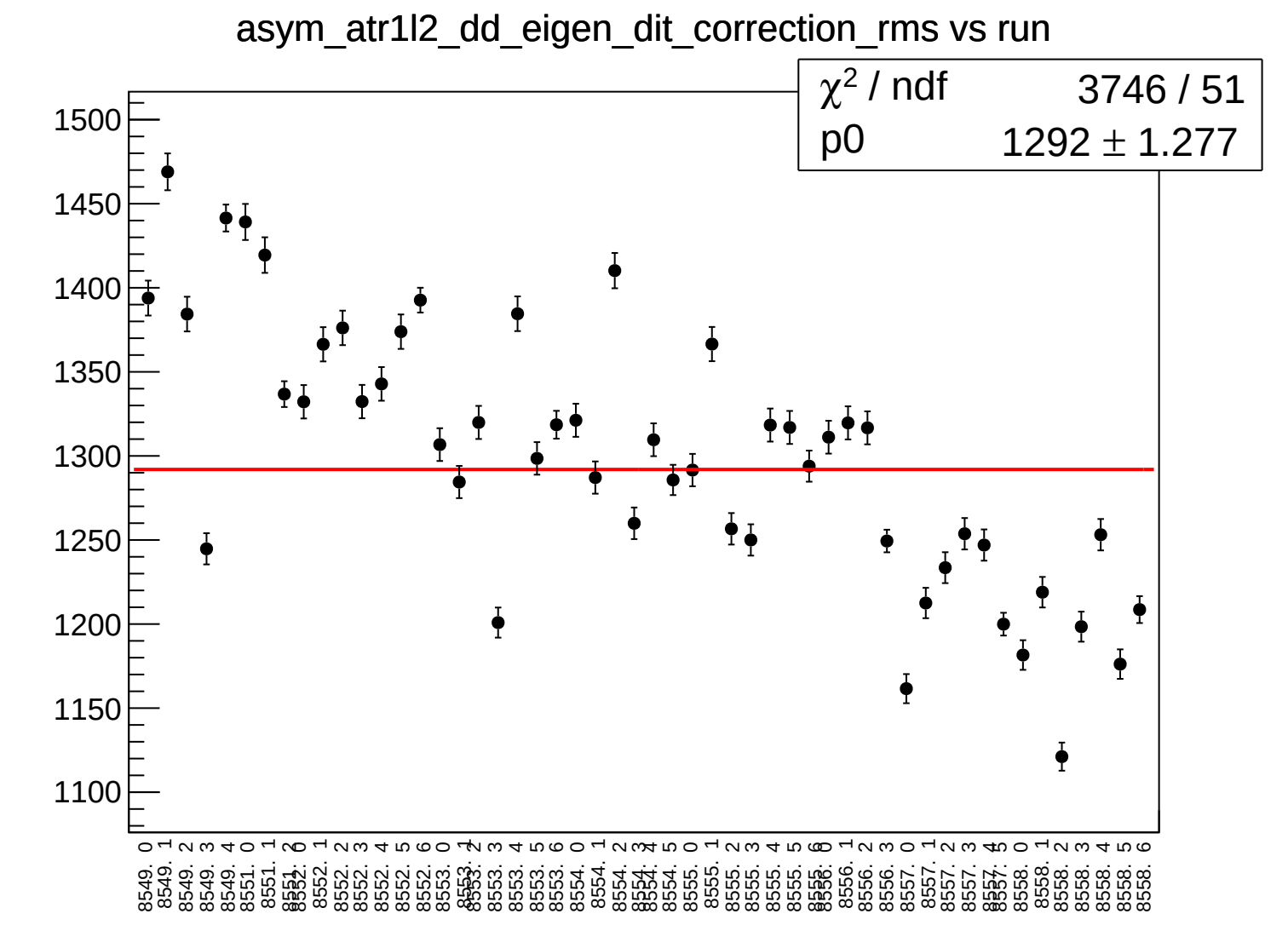

eigen_dit_asym_atr1l2_dd_mean vs run
×10^3
χ² / ndf 41.72 / 50
p0 −1.526e+04 ± 2.483e+04
pull
Entries 51
Mean −431.3
Std Dev 0

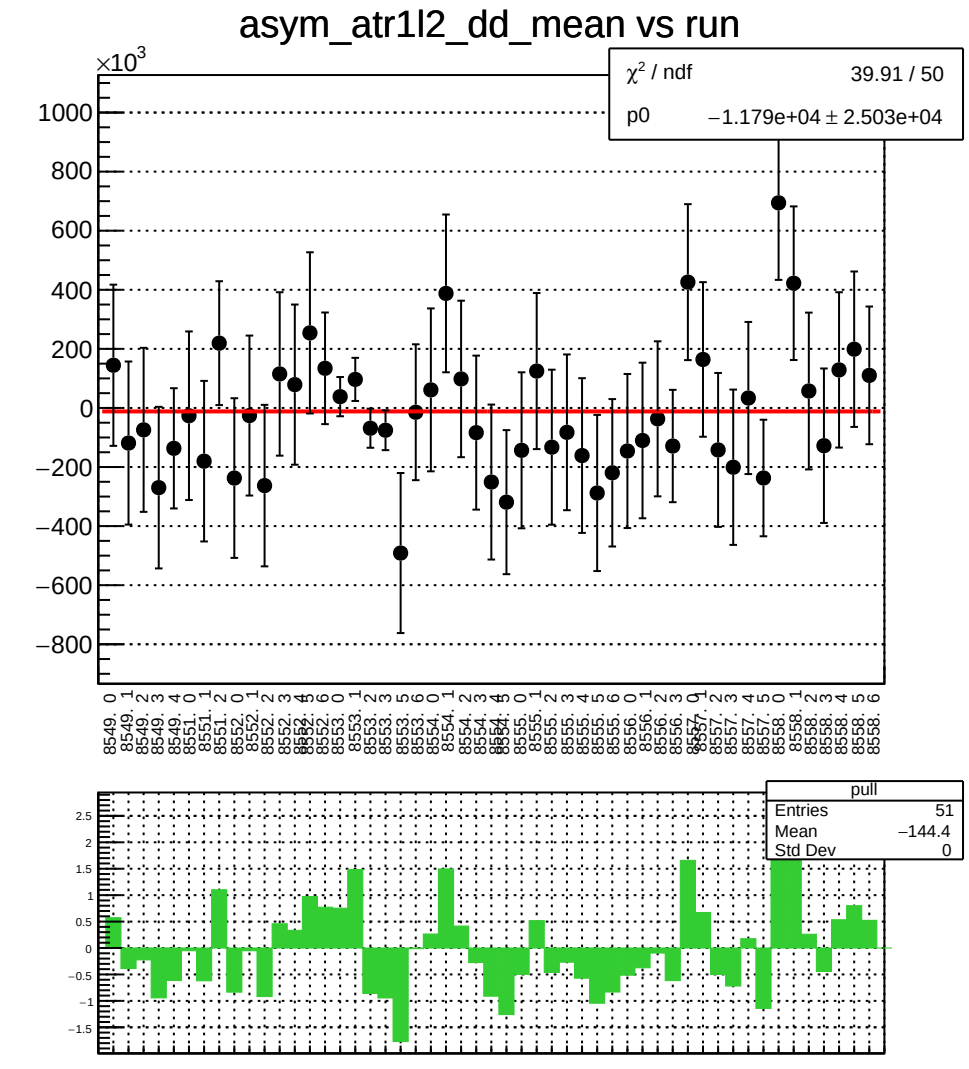

pull1D
Entries 51
Mean −0.004406
Std Dev 0.9045

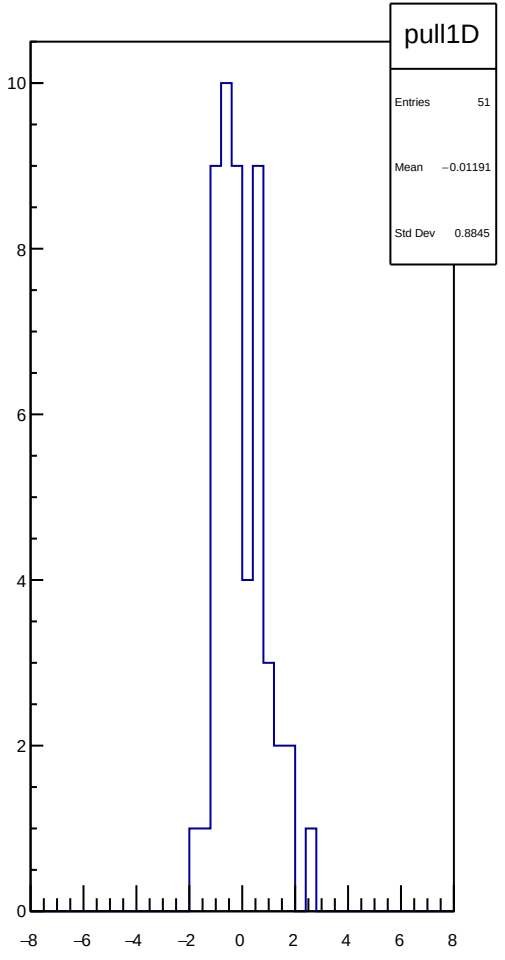

eigen_dit_asym_atr1l2_dd_rms vs run
×10^3
800
700
600
500
400
300
200
100
χ² / ndf 3.041e+05 / 51
p0 1.492e+04 ± 17.56
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 0
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 1
8553. 2
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 5
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

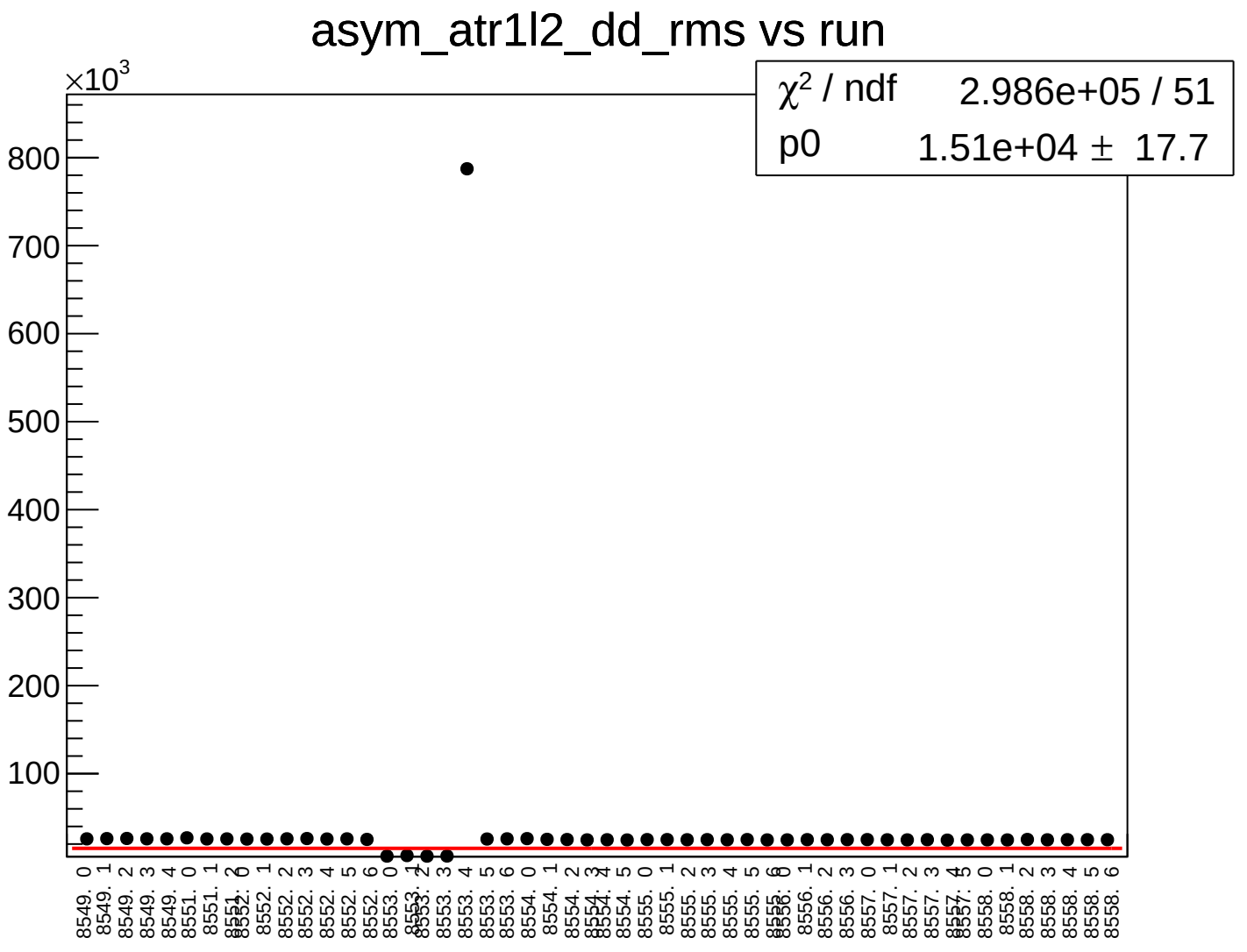

asym_atr1l2_dd_eigen_dit_correction_mean vs run
χ² / ndf 46.68 / 51
p0 −1096 ± 1806
40000
20000
0
−20000
−40000
−60000
pull
Entries 52
Mean −32.12
Std Dev 0
2
1
0
−1
−2
−3

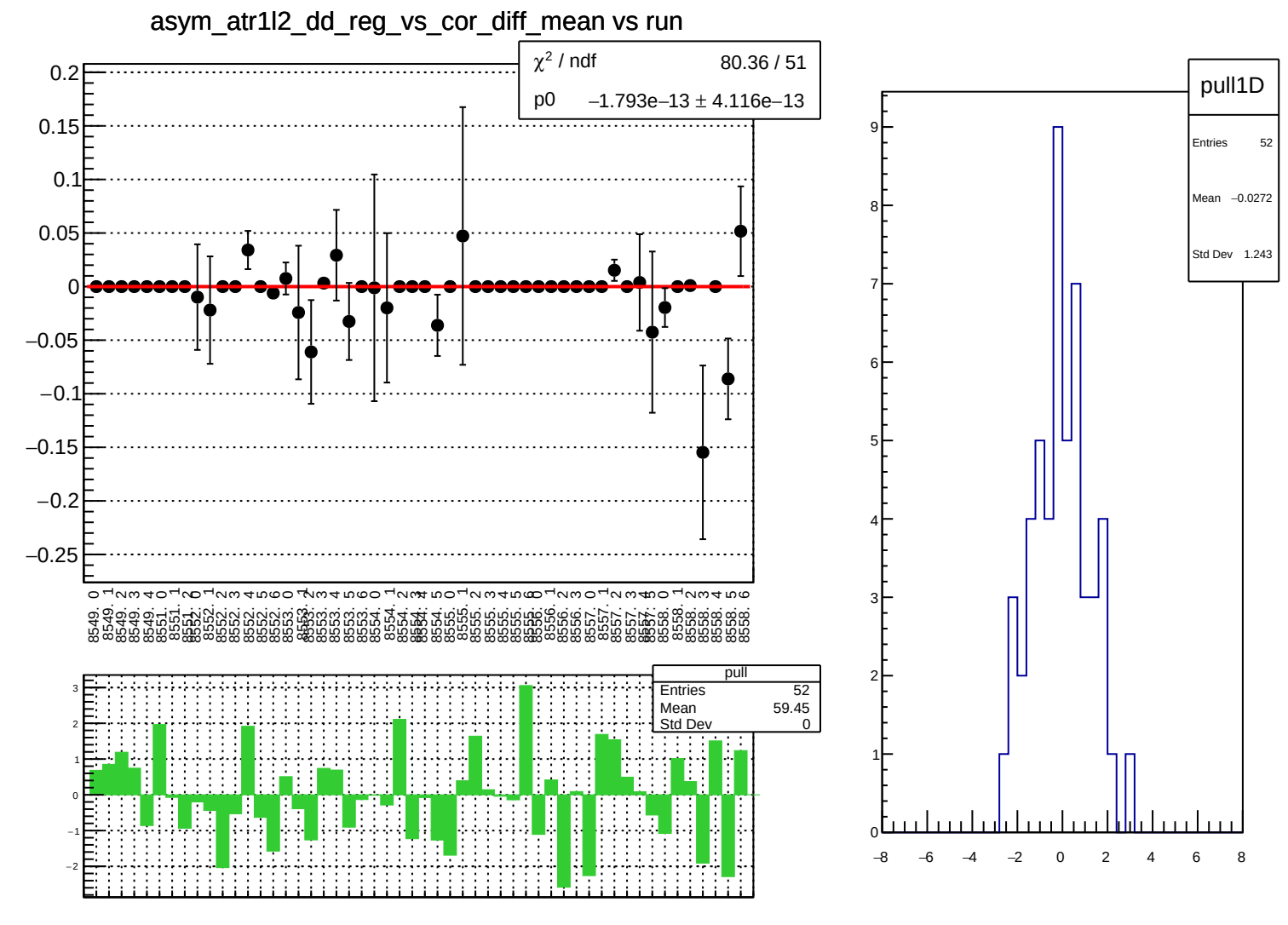

pull1D
Entries 52
Mean 0.003863
Std Dev 0.9475
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

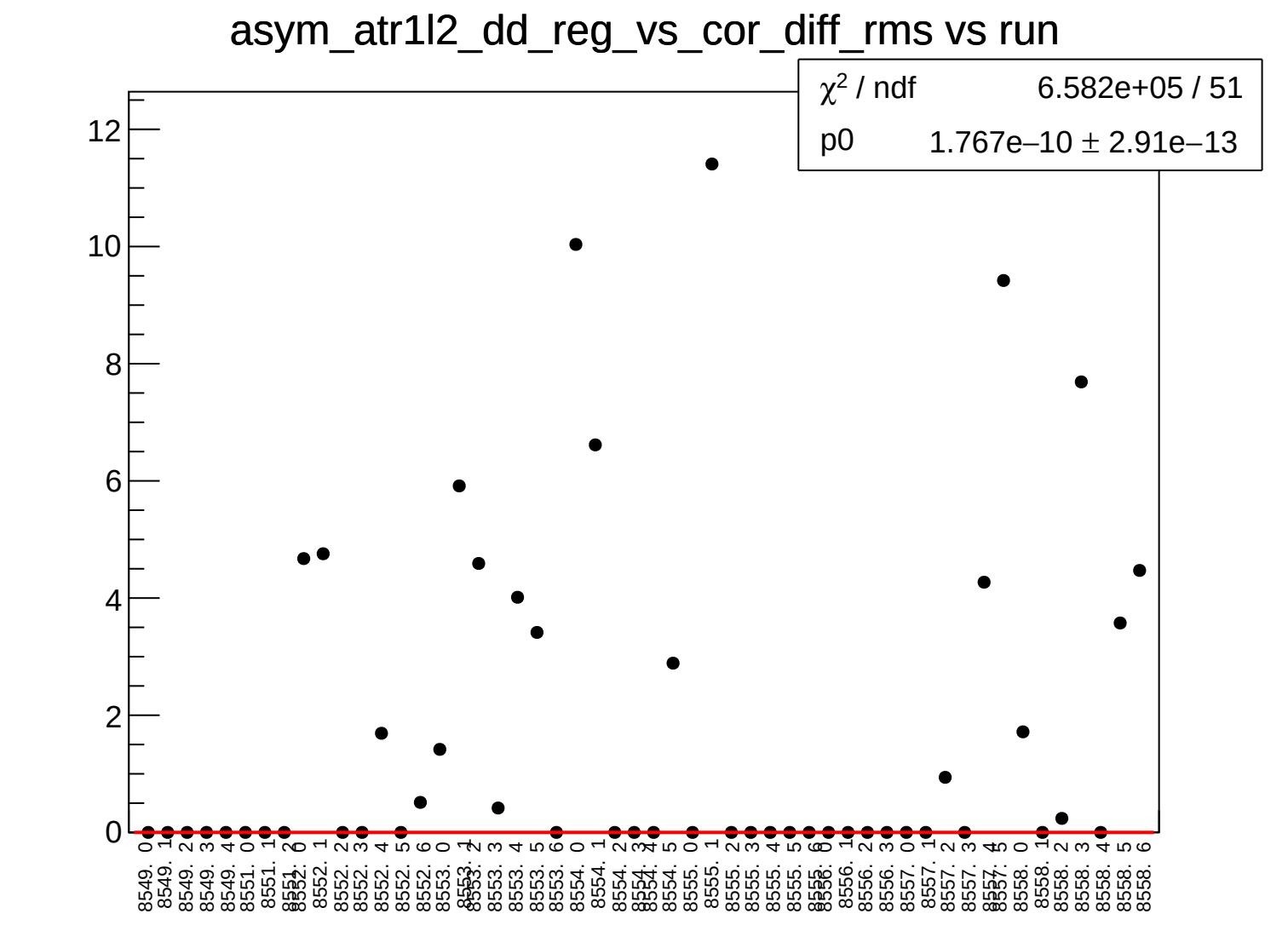

asym_atr1l2_dd_eigen_dit_correction_rms vs run
χ² / ndf 3746 / 51
p0 1292 ± 1.277
1500
1450
1400
1350
1300
1250
1200
1150
1100
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 5
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

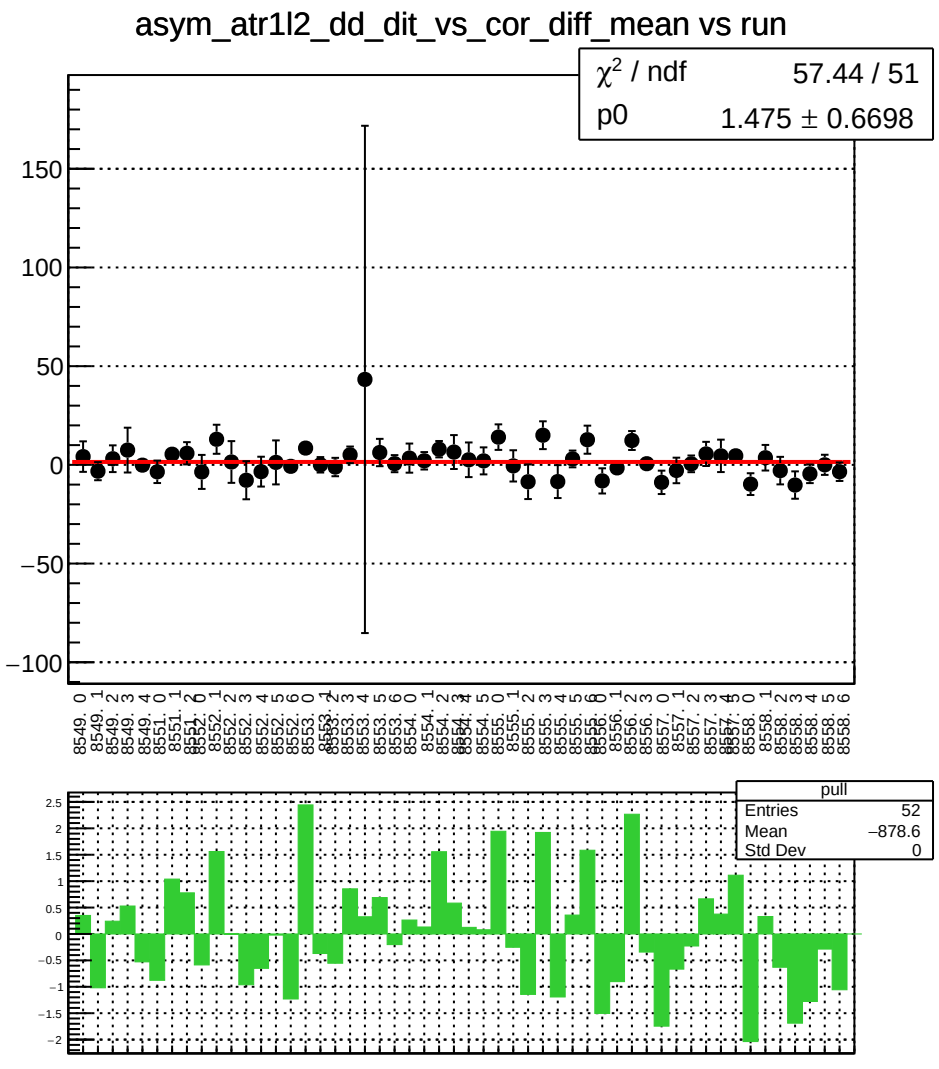

asym_atr1l2_dd_mean vs run
×10^3
χ² / ndf 39.91 / 50
p0 −1.179e+04 ± 2.503e+04
pull
Entries 51
Mean −144.4
Std Dev 0

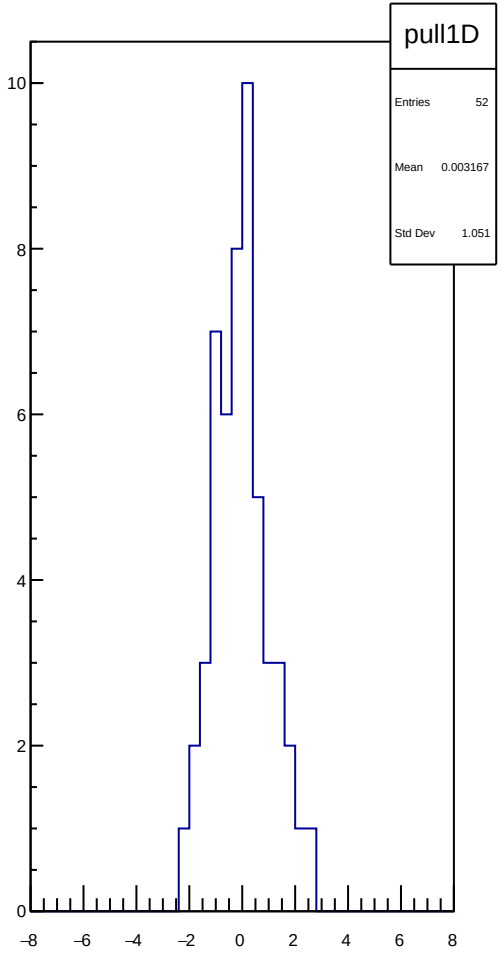

pull1D
Entries 51
Mean −0.01191
Std Dev 0.8845

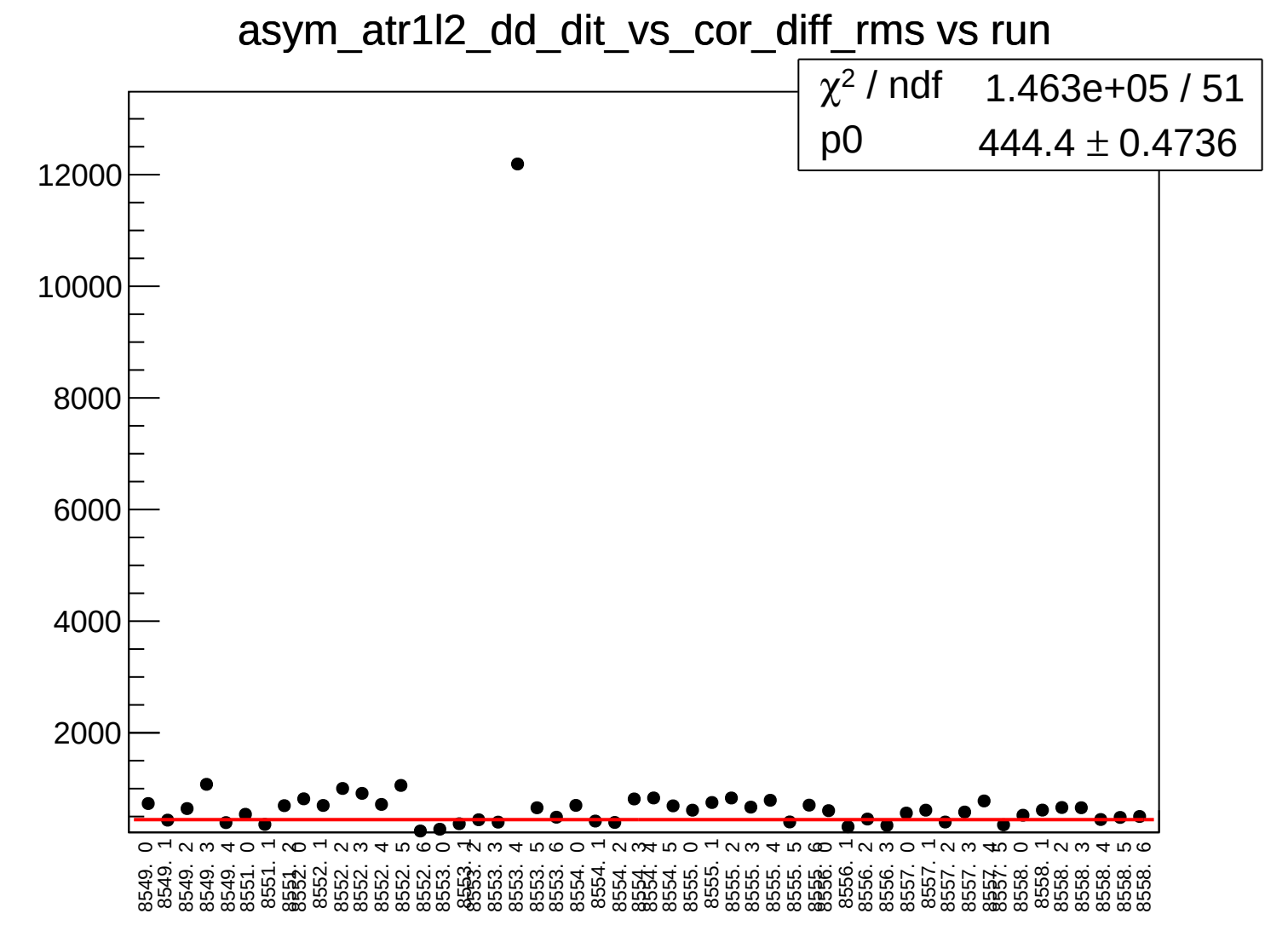

asym_atr1l2_dd_rms vs run
×10^3
800
700
600
500
400
300
200
100
χ² / ndf 2.986e+05 / 51
p0 1.51e+04 ± 17.7
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 0
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 1
8553. 2
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 5
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

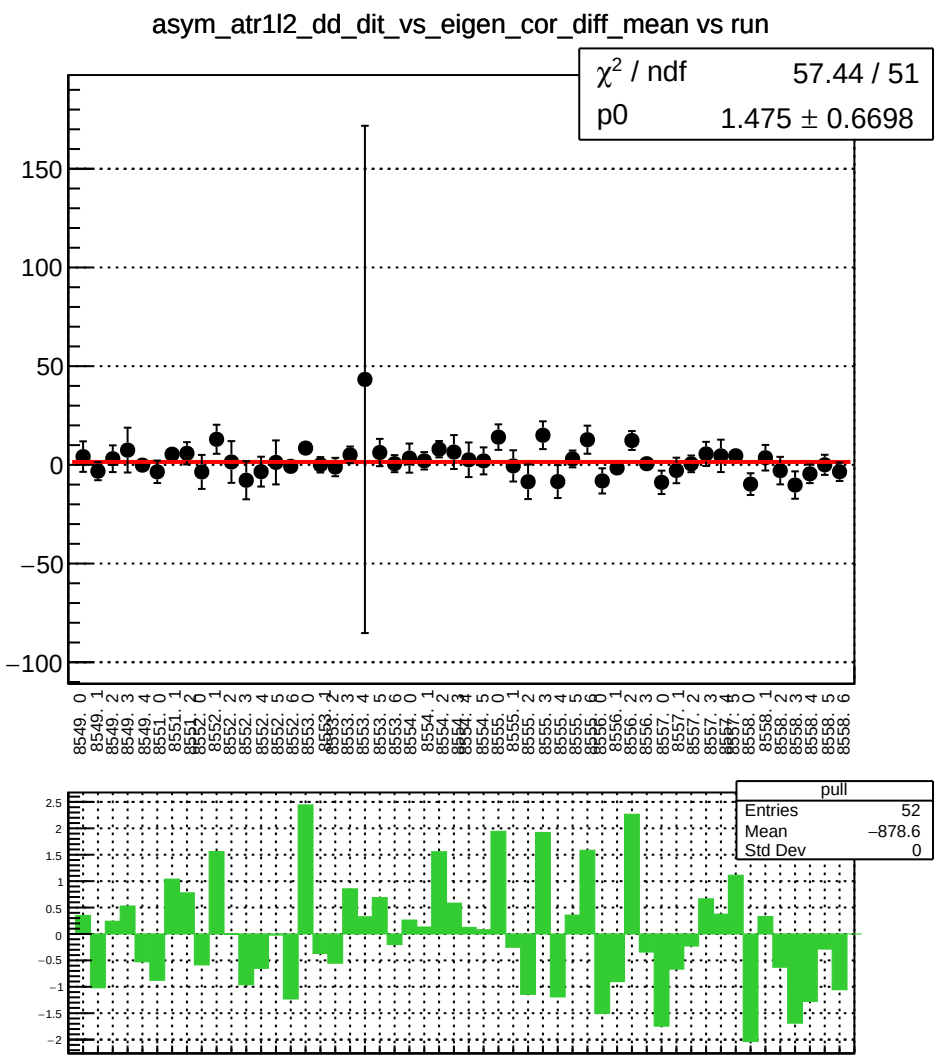

asym_atr1l2_dd_reg_vs_cor_diff_mean vs run
χ² / ndf 80.36 / 51
p0 −1.793e−13 ± 4.116e−13
pull
Entries 52
Mean 59.45
Std Dev 0
pull1D
Entries 52
Mean −0.0272
Std Dev 1.243

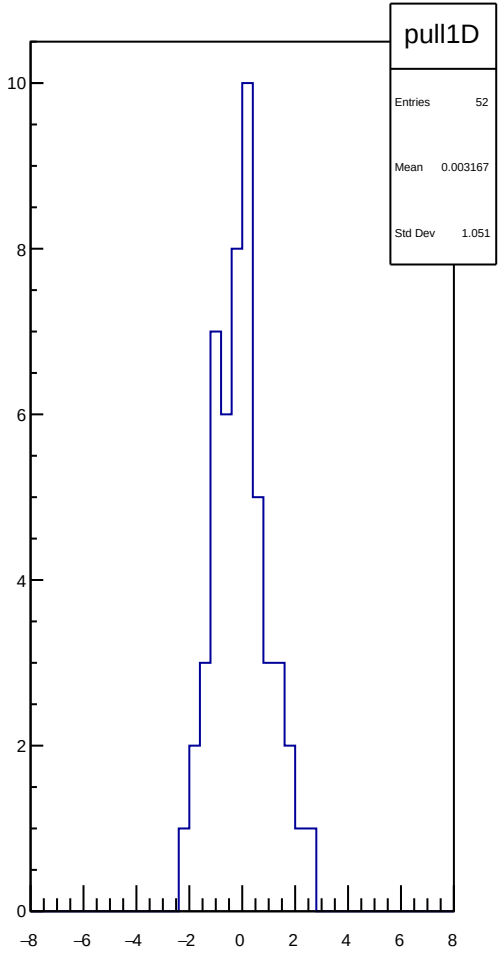

asym_atr1l2_dd_reg_vs_cor_diff_rms vs run
χ² / ndf 6.582e+05 / 51
p0 1.767e−10 ± 2.91e−13
0
2
4
6
8
10
12
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 2
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 5
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8557. 5
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

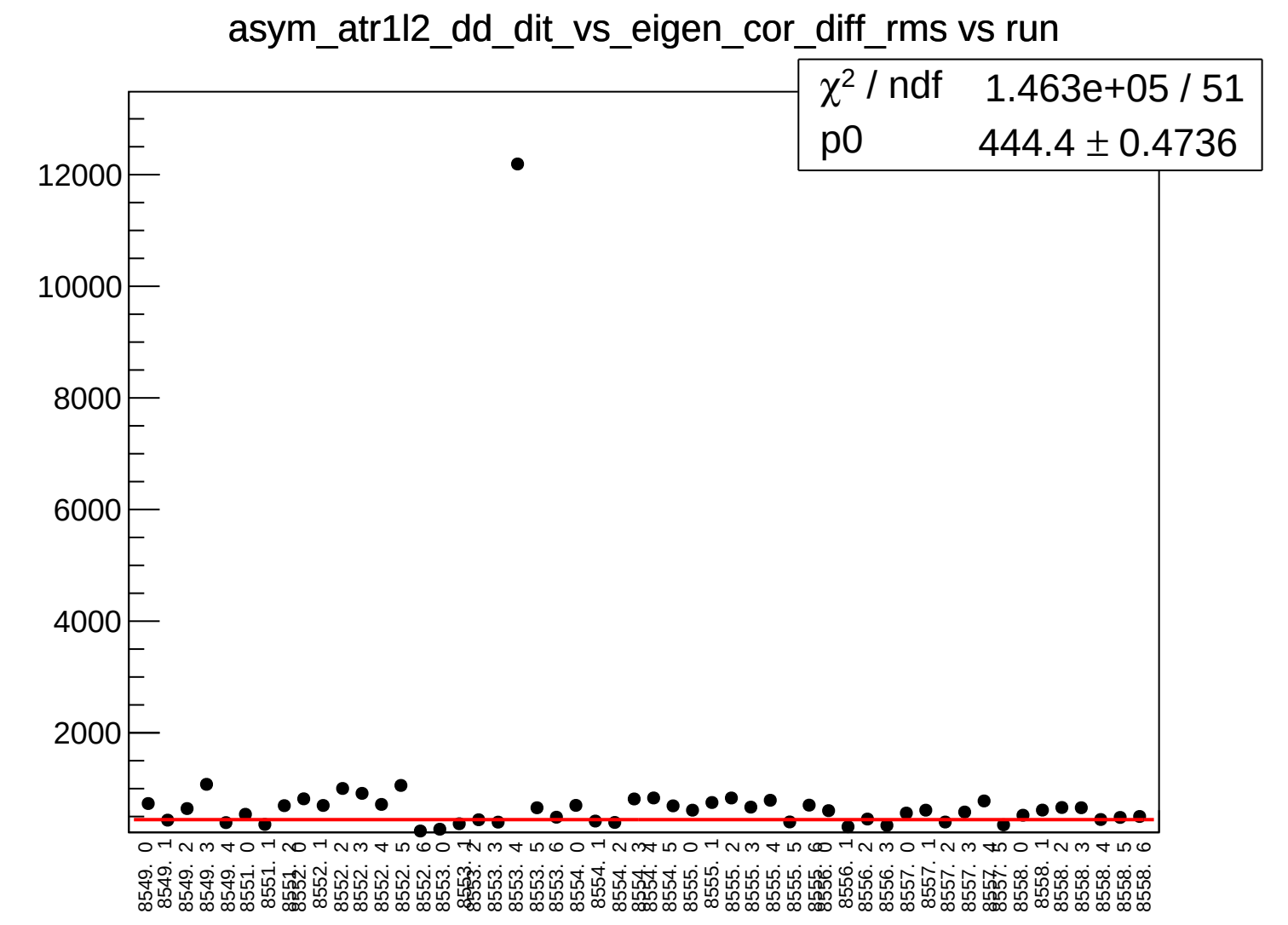

asym_atr1l2_dd_dit_vs_cor_diff_mean vs run
χ² / ndf 57.44 / 51
p0 1.475 ± 0.6698
150
100
50
0
−50
−100
pull
Entries 52
Mean −878.6
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

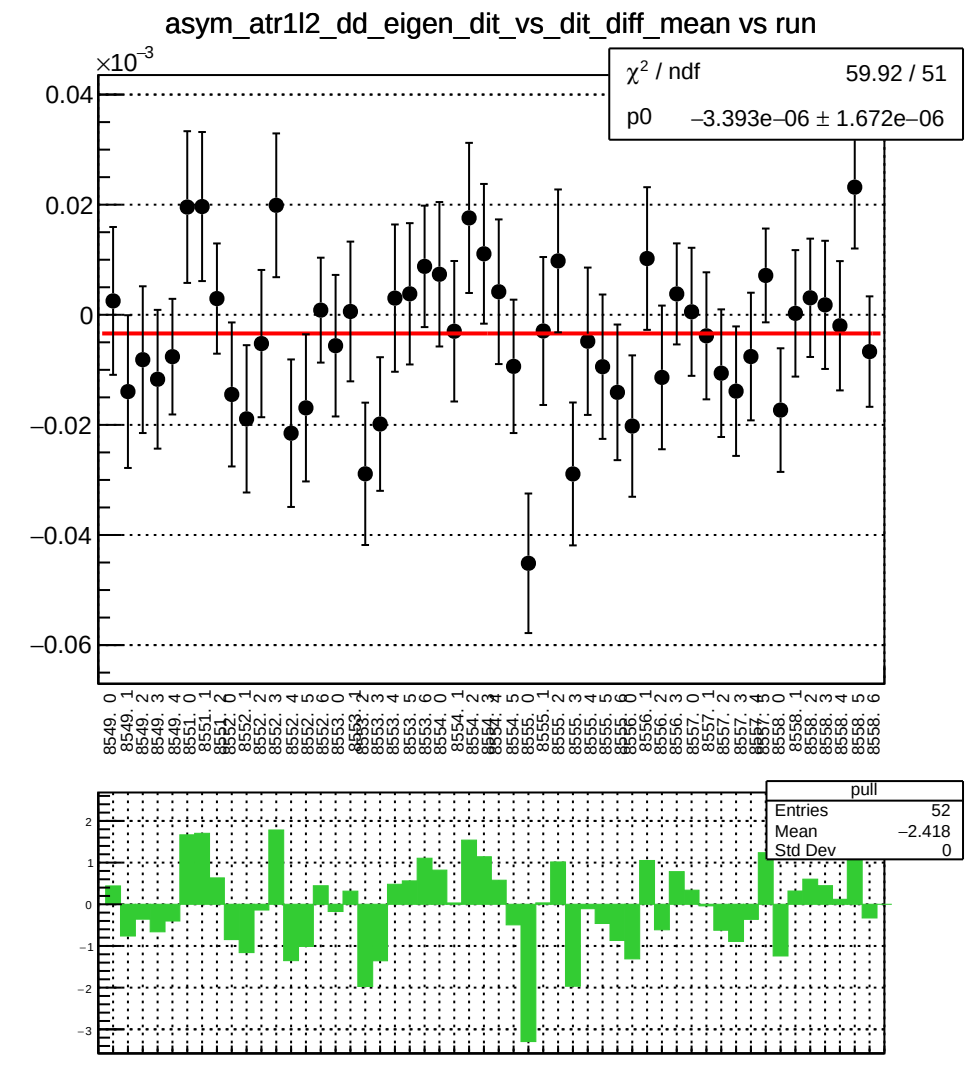

pull1D
Entries 52
Mean 0.003167
Std Dev 1.051
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

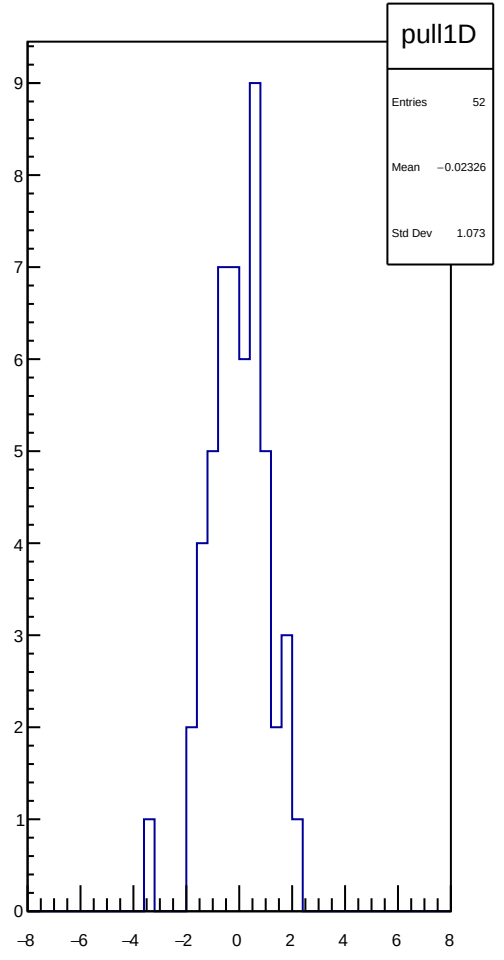

asym_atr1l2_dd_dit_vs_cor_diff_rms vs run
χ² / ndf 1.463e+05 / 51
p0 444.4 ± 0.4736
12000
10000
8000
6000
4000
2000
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 0
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 2
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 5
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

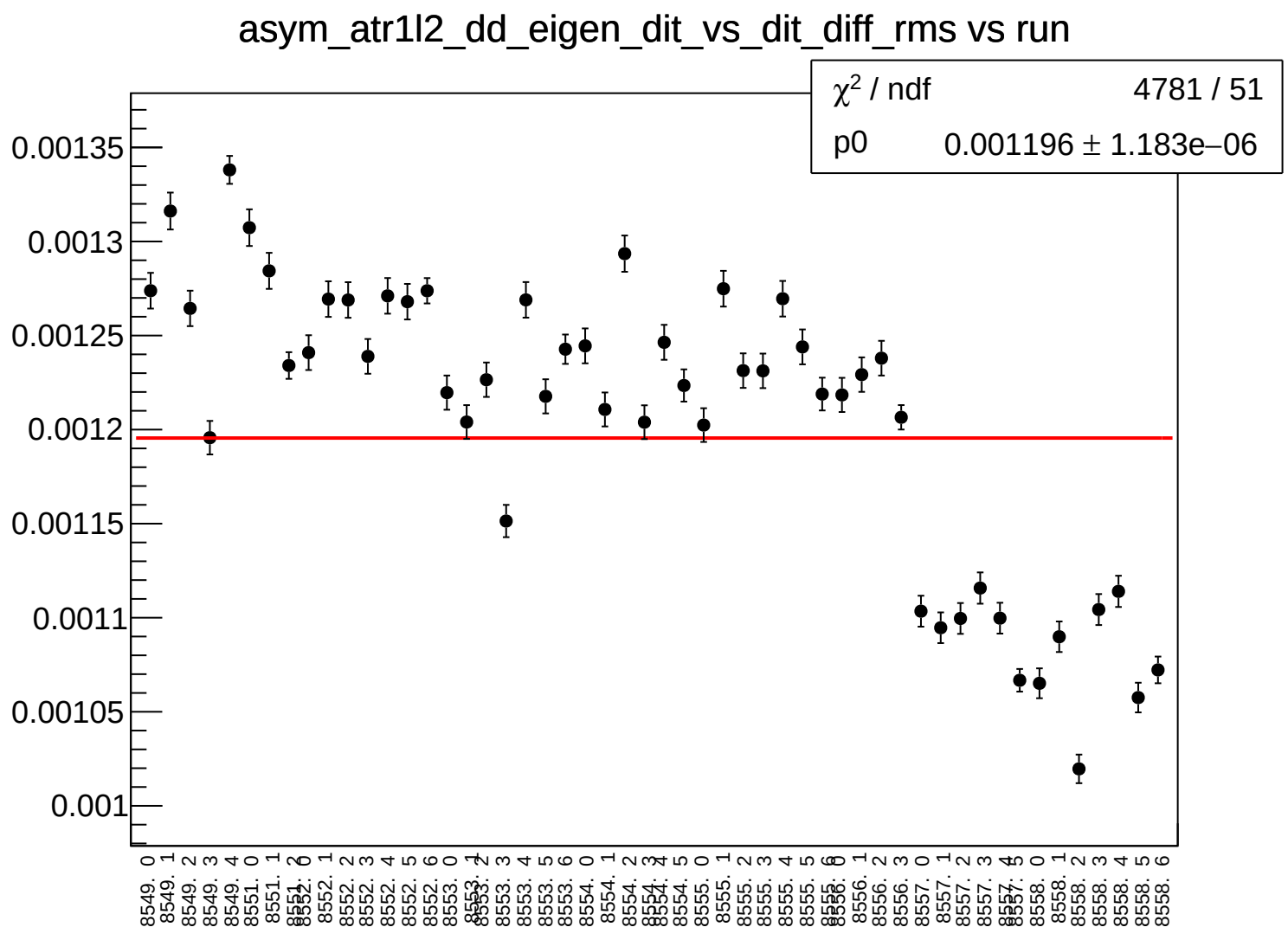

asym_atr1l2_dd_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 57.44 / 51
p0 1.475 ± 0.6698
150
100
50
0
−50
−100
pull
Entries 52
Mean −878.6
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

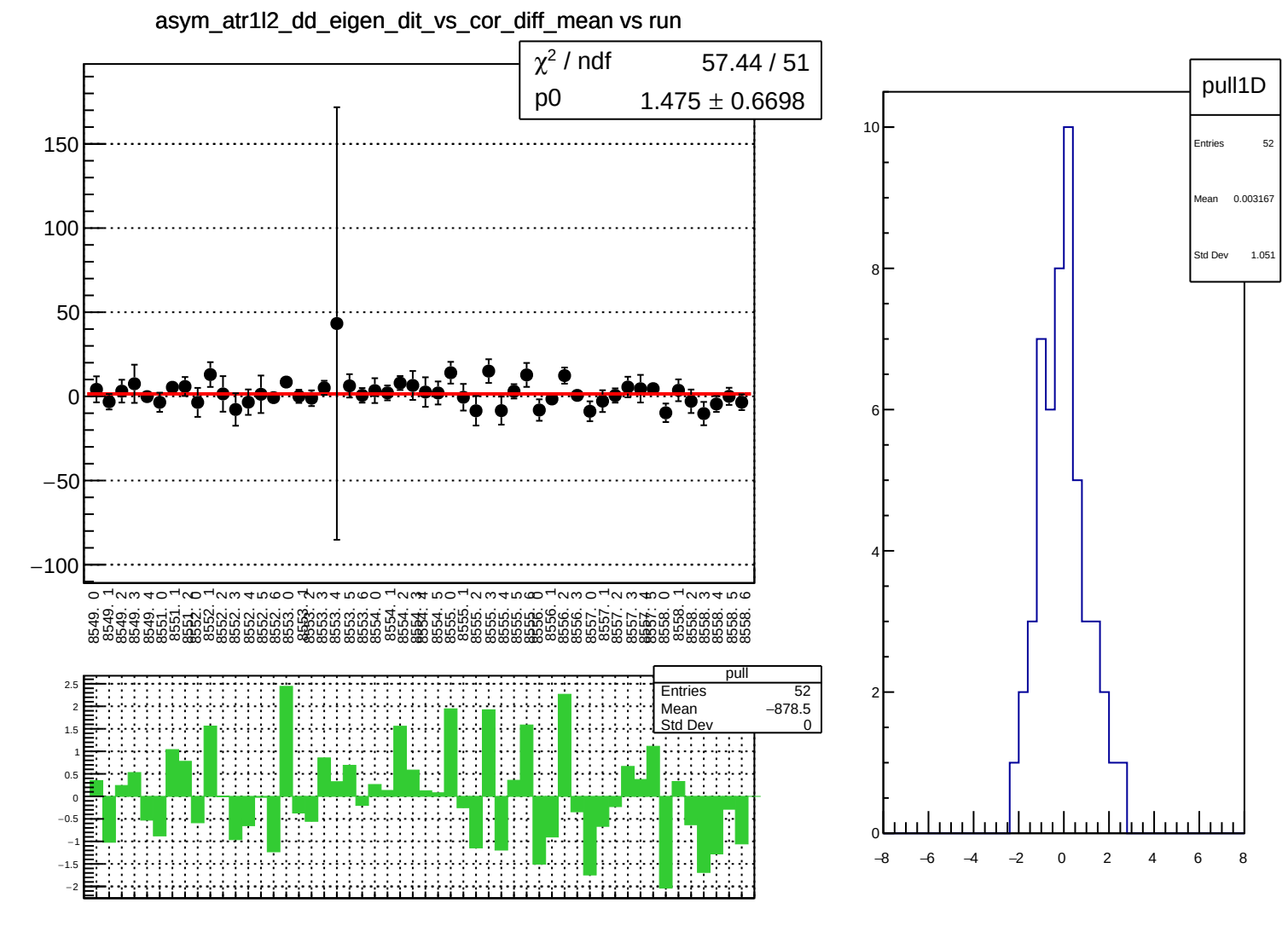

pull1D
Entries 52
Mean 0.003167
Std Dev 1.051
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

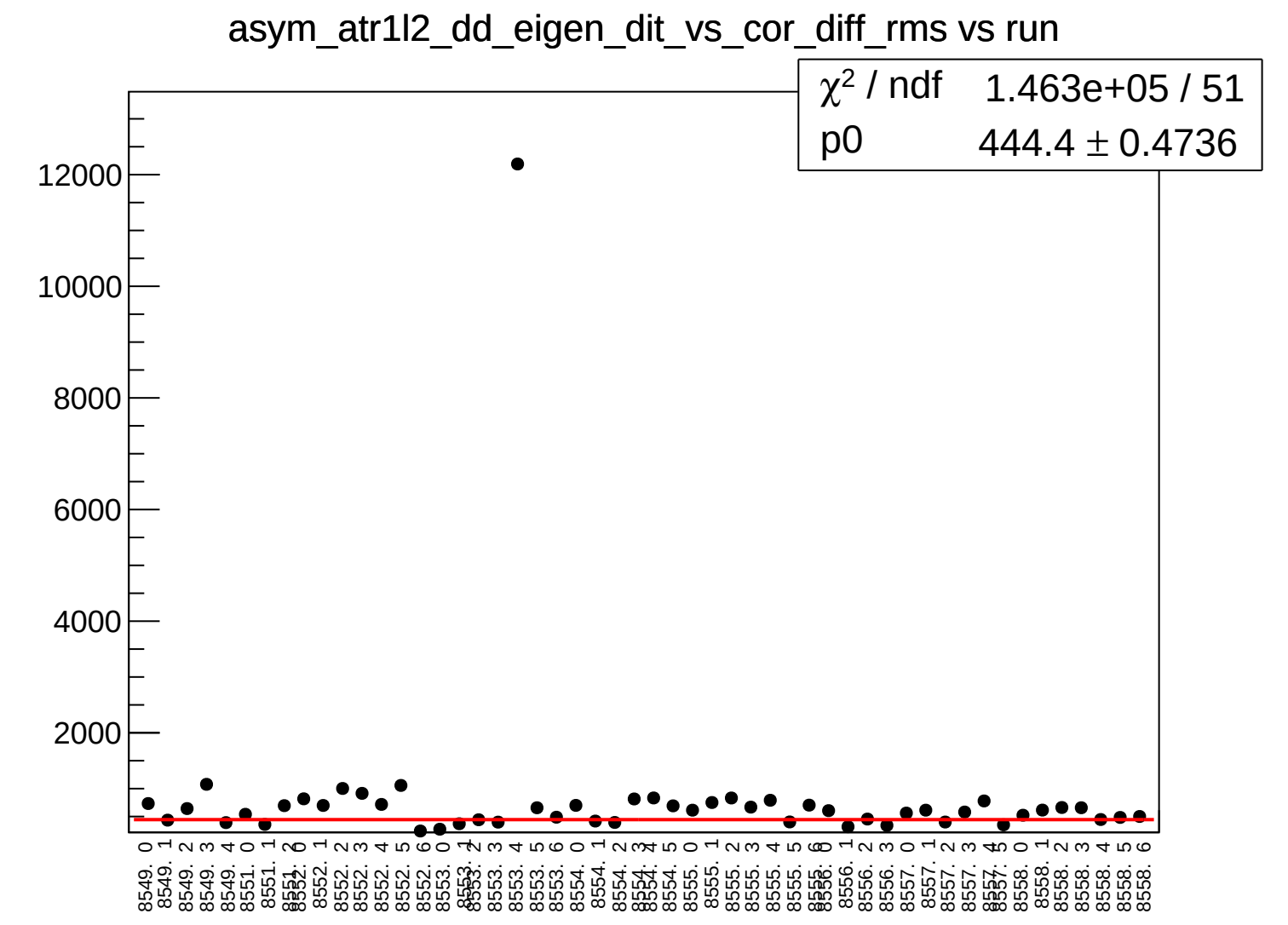

asym_atr1l2_dd_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.463e+05 / 51
p0 444.4 ± 0.4736
12000
10000
8000
6000
4000
2000
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 0
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 5
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6


asym_atr1l2_dd_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 59.92 / 51
p0 −3.393e−06 ± 1.672e−06
pull
Entries 52
Mean −2.418
Std Dev 0


pull1D
Entries 52
Mean −0.02326
Std Dev 1.073


asym_atr1l2_dd_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 4781 / 51
p0 0.001196 ± 1.183e−06
0.00135
0.0013
0.00125
0.0012
0.00115
0.0011
0.00105
0.001
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 5
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6


asym_atr1l2_dd_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 57.44 / 51
p0 1.475 ± 0.6698
150
100
50
0
−50
−100
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8551. 2
8552. 0
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 1
8553. 2
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 3
8554. 4
8554. 5
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8555. 6
8556. 0
8556. 1
8556. 2
8556. 3
8556. 4
8557. 0
8557. 1
8557. 2
8557. 3
8557. 4
8557. 5
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6
pull
Entries 52
Mean −878.5
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 52
Mean 0.003167
Std Dev 1.051
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


asym_atr1l2_dd_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 1.463e+05 / 51
p0 444.4 ± 0.4736
12000
10000
8000
6000
4000
2000
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
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8554. 0
8554. 1
8554. 2
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
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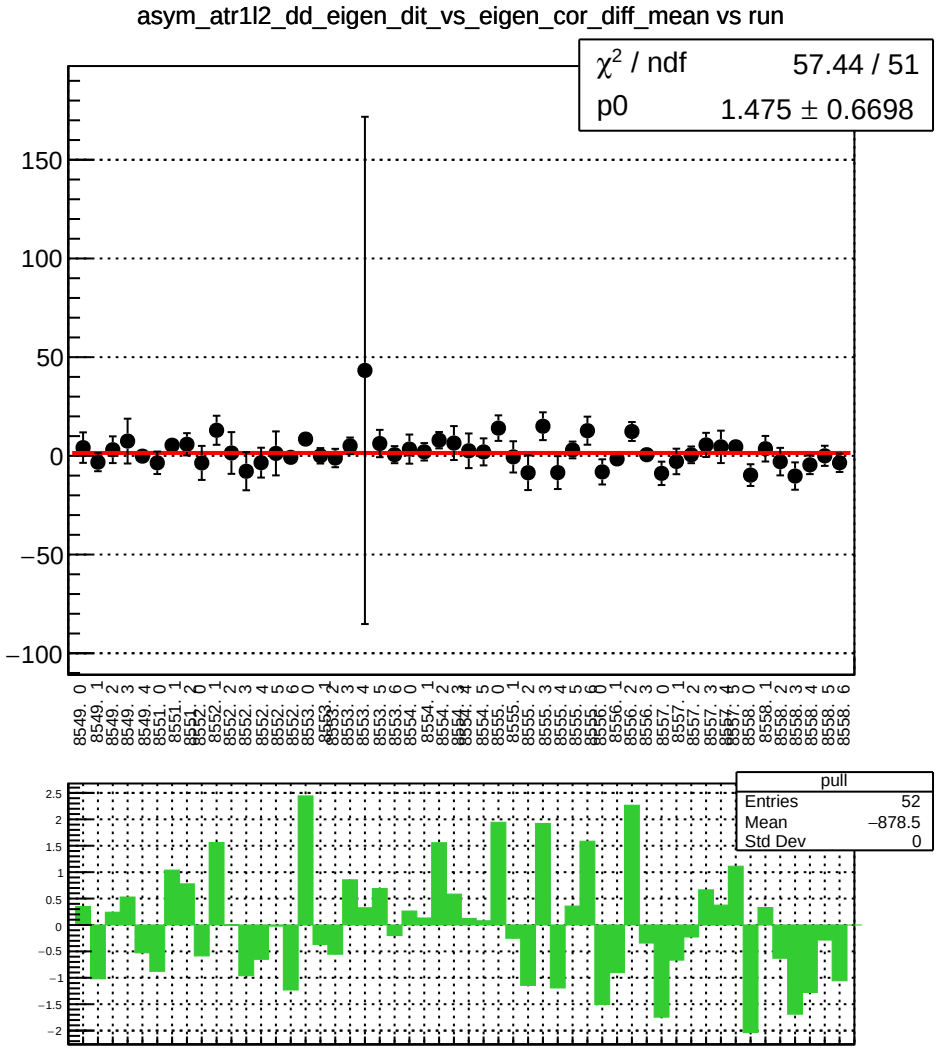
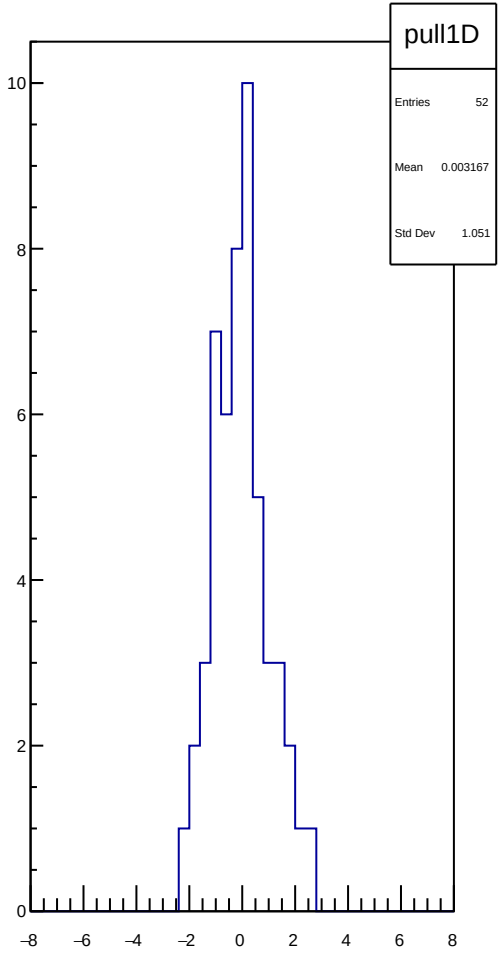
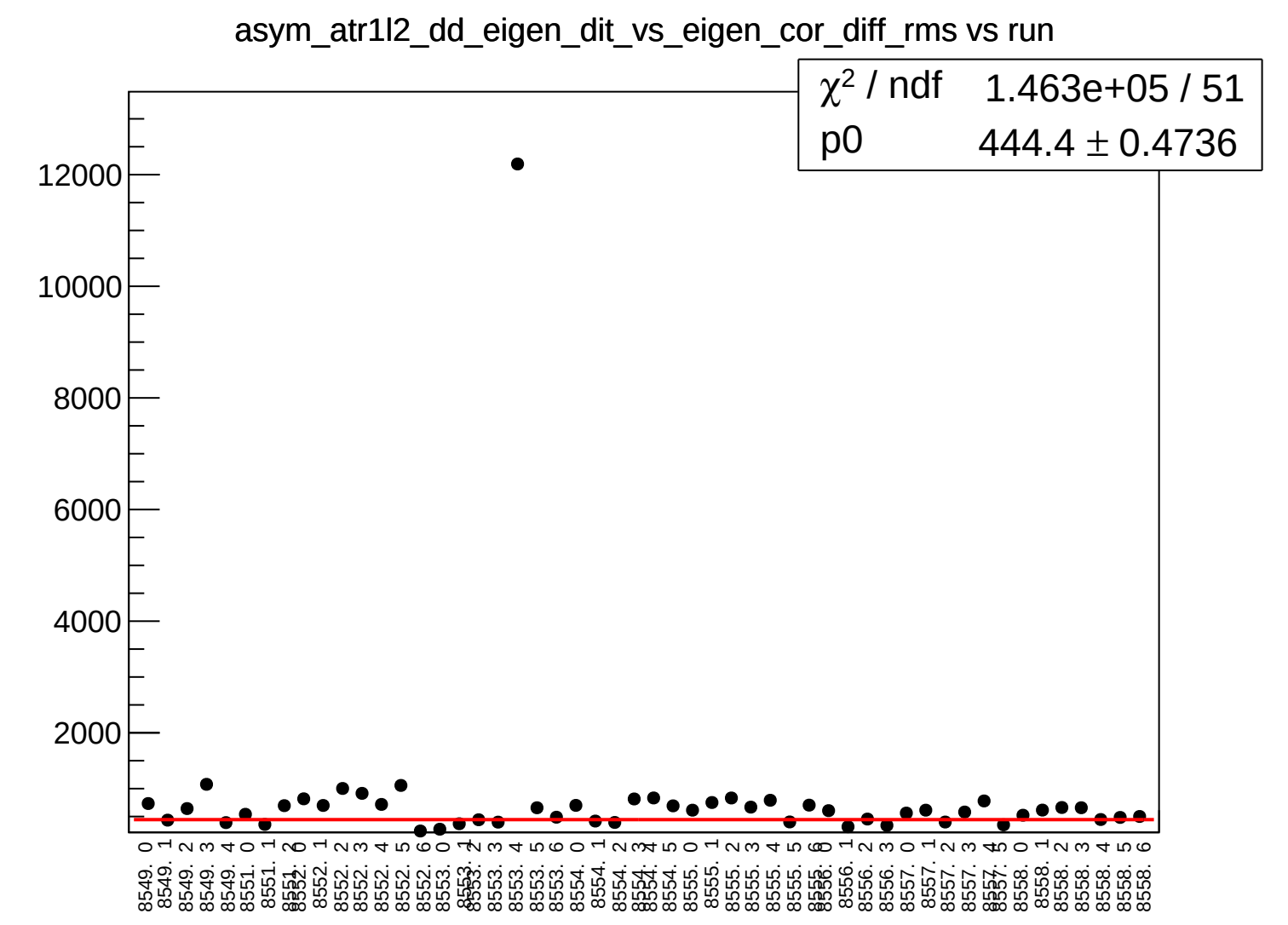
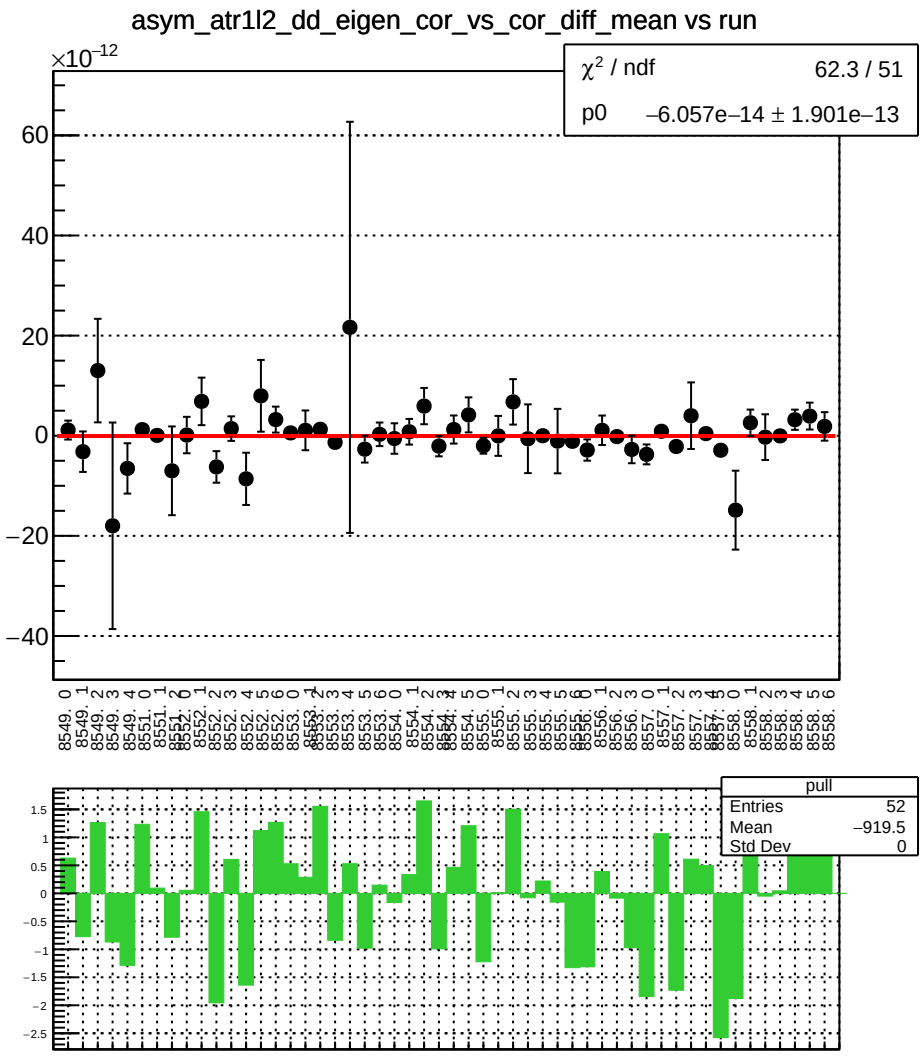
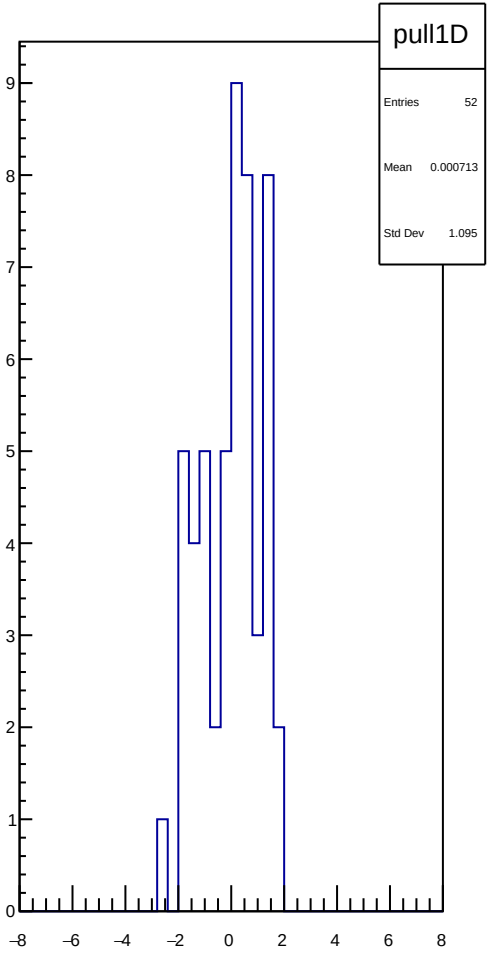
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

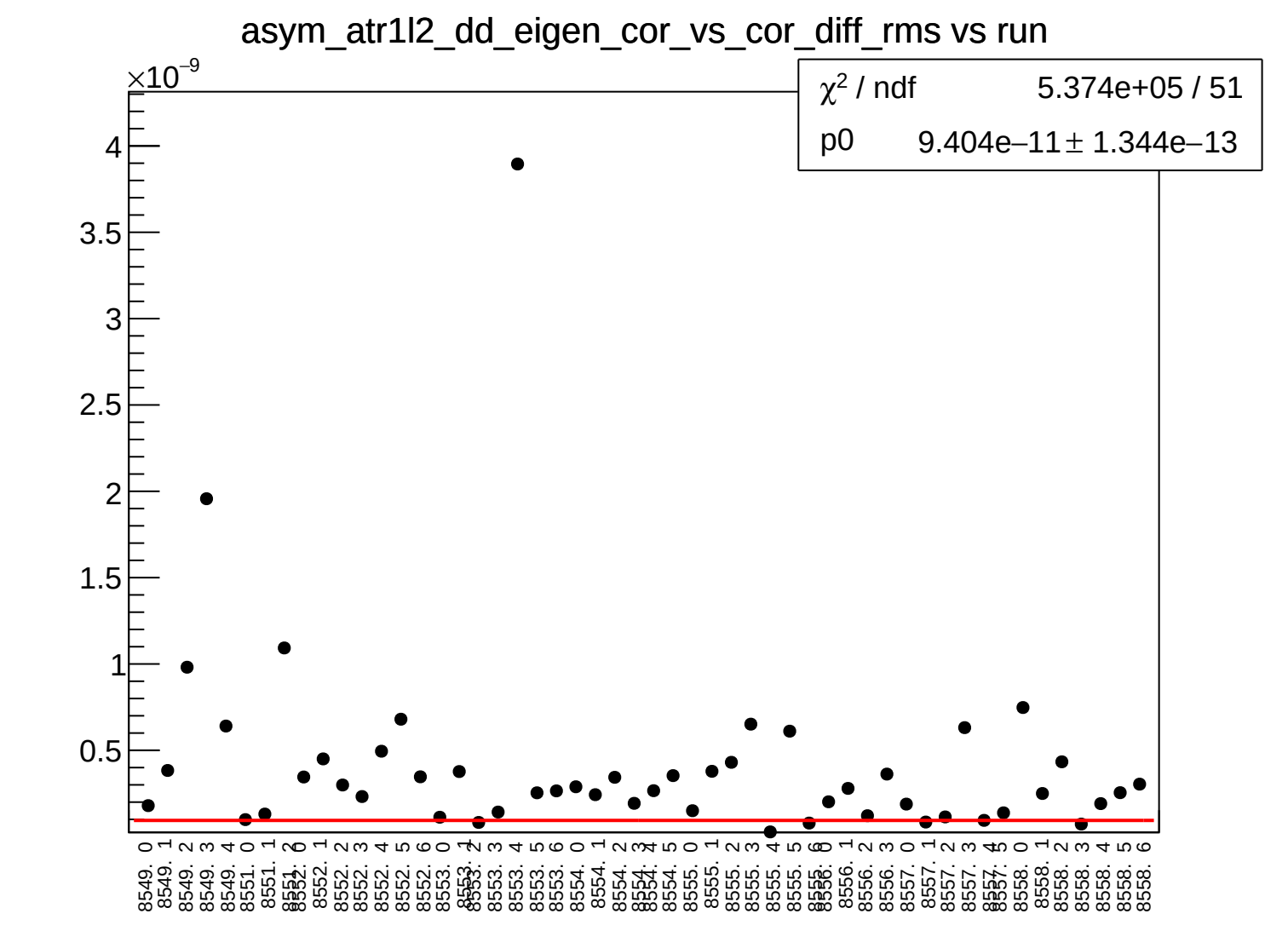

asym_atr1l2_dd_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 57.44 / 51
p0 1.475 ± 0.6698
150
100
50
0
−50
−100
pull
Entries 52
Mean −878.5
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

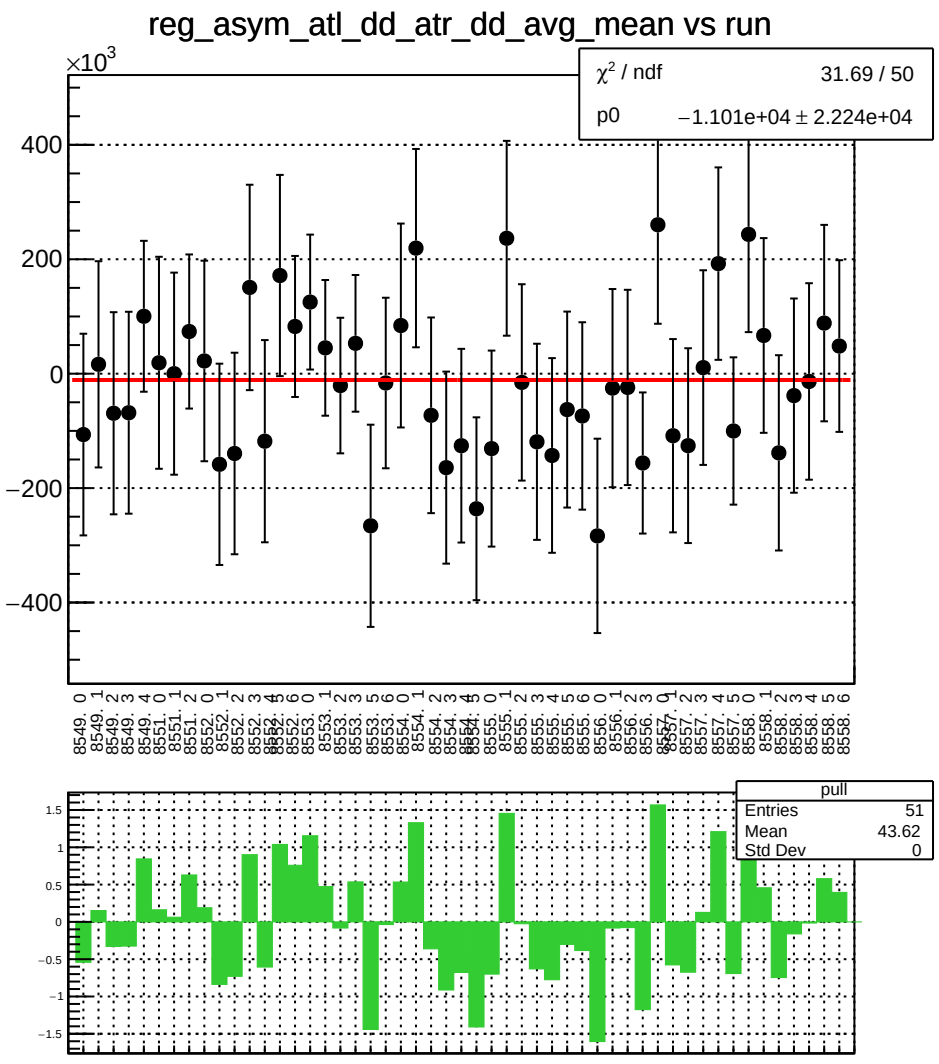

pull1D
Entries 52
Mean 0.003167
Std Dev 1.051
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

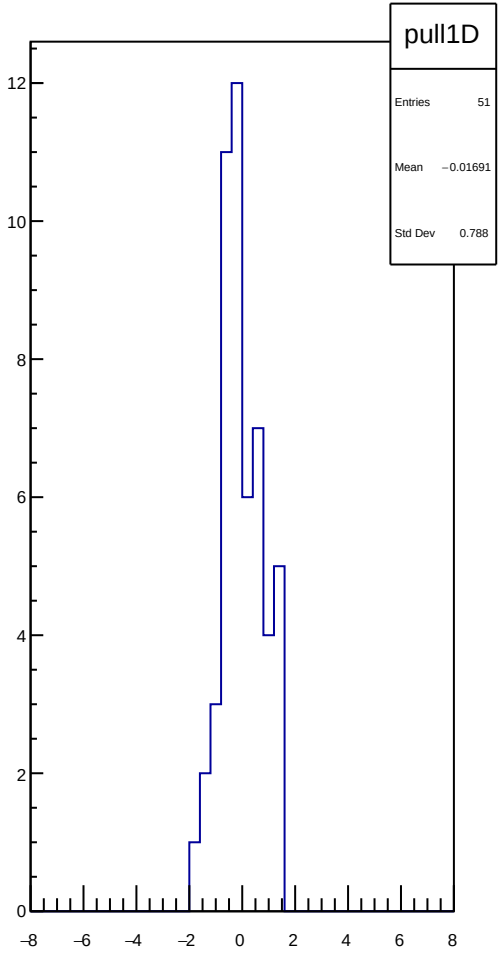

asym_atr1l2_dd_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.463e+05 / 51
p0 444.4 ± 0.4736
12000
10000
8000
6000
4000
2000
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 0
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 5
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

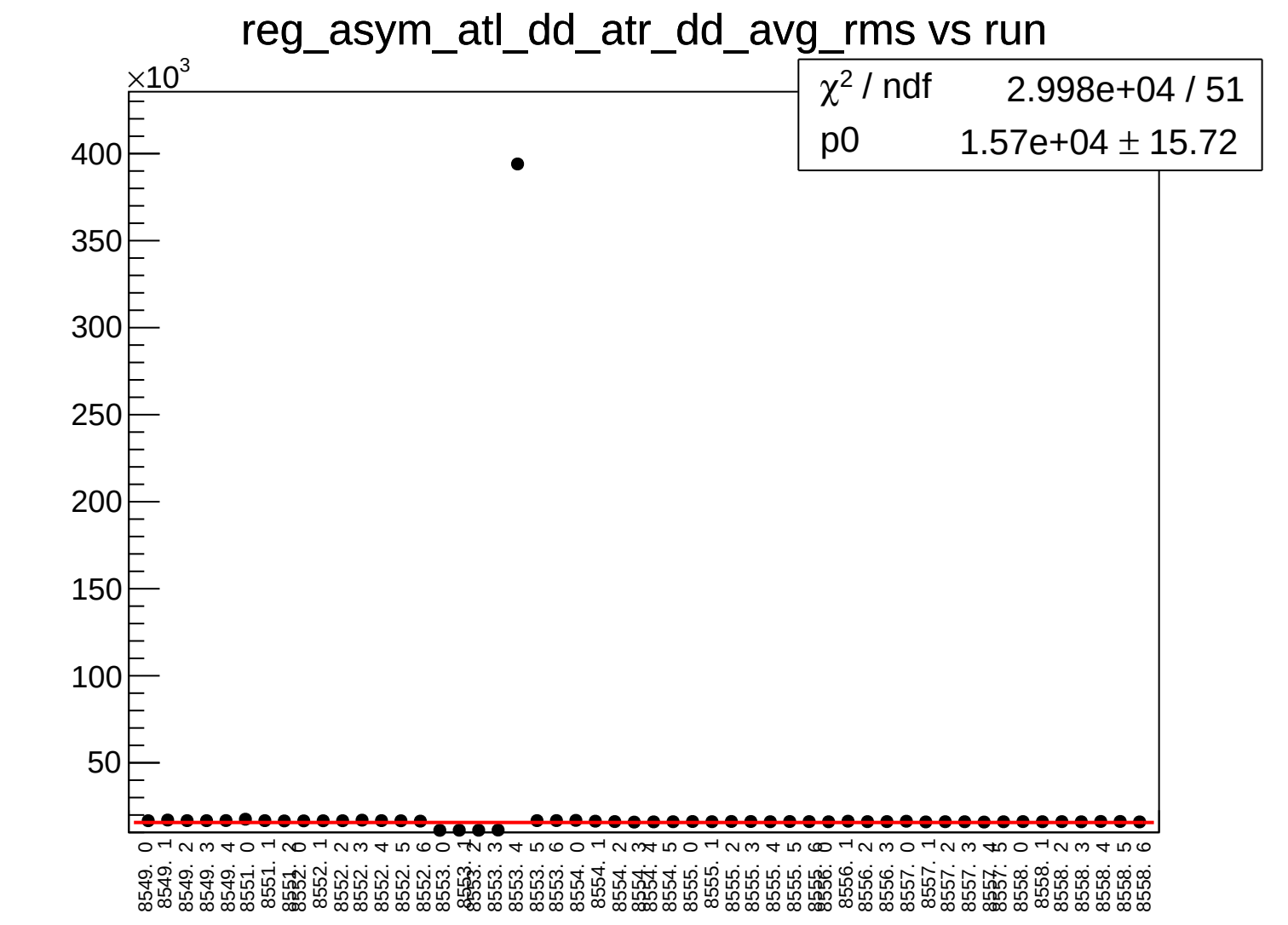

asym_atr1l2_dd_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 62.3 / 51
p0 −6.057e−14 ± 1.901e−13
pull
Entries 52
Mean −919.5
Std Dev 0

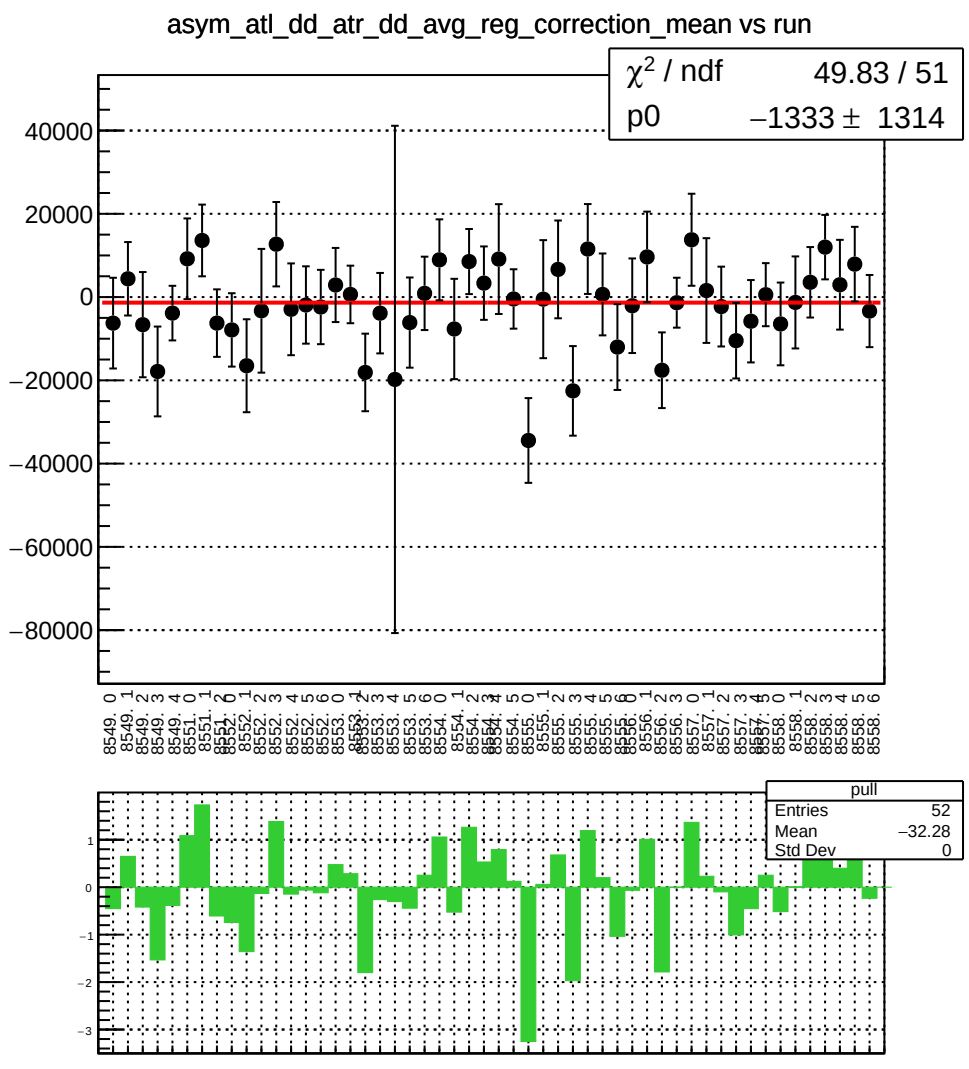

pull1D
Entries 52
Mean 0.000713
Std Dev 1.095

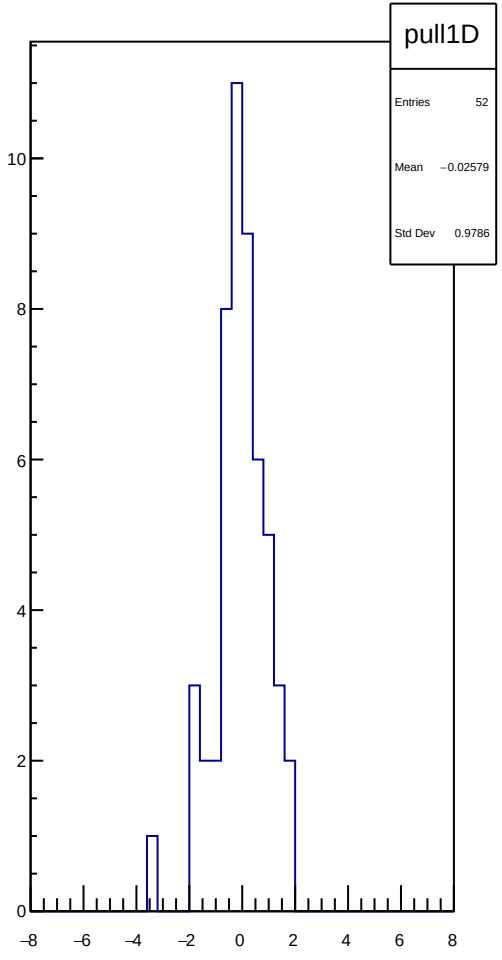

asym_atr1l2_dd_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 5.374e+05 / 51
p0 9.404e−11 ± 1.344e−13
4
3.5
3
2.5
2
1.5
1
0.5
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 5
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

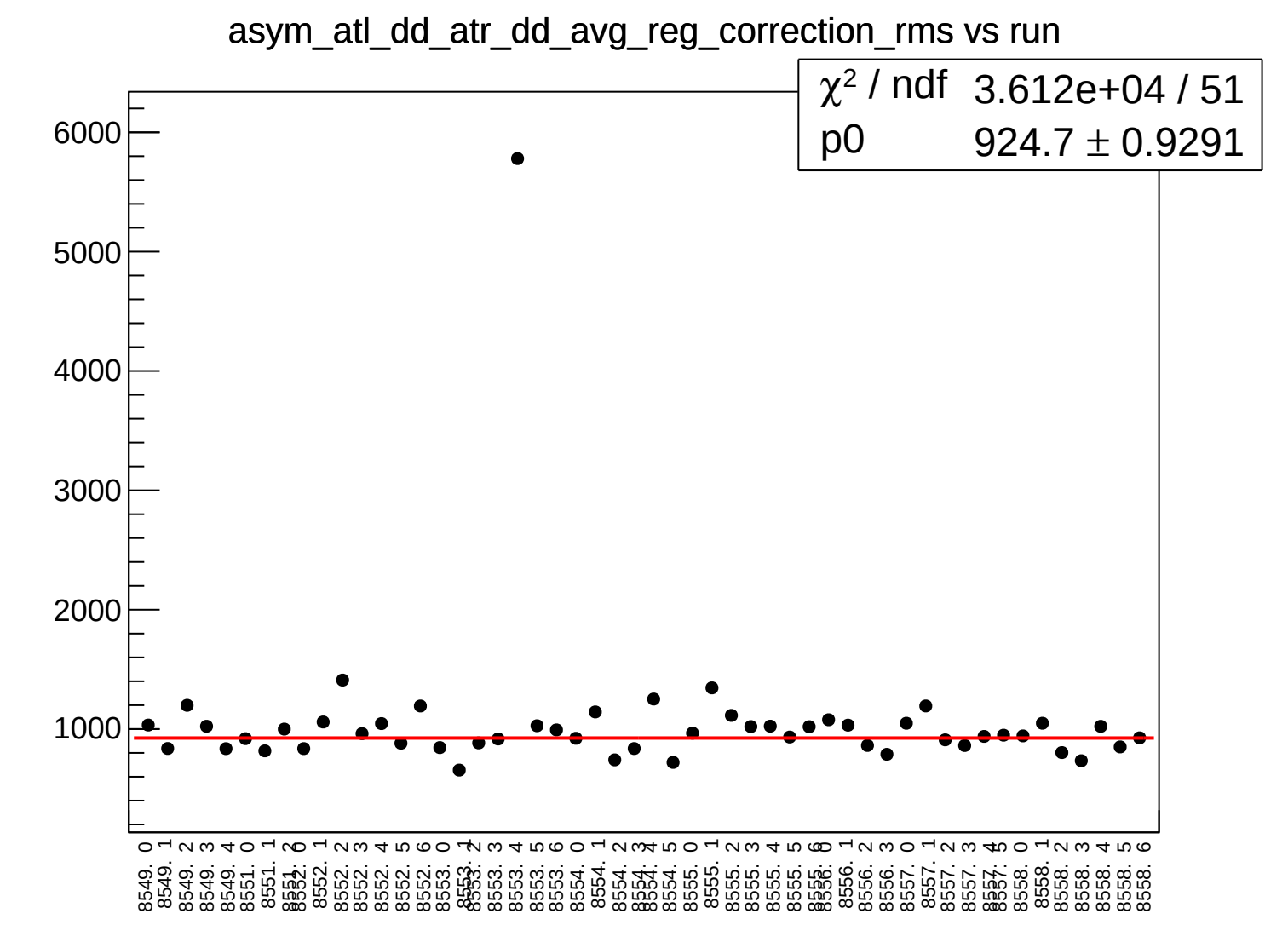

reg_asym_atl_dd_atr_dd_avg_mean vs run
×10^3
χ² / ndf 31.69 / 50
p0 −1.101e+04 ± 2.224e+04
400
200
0
−200
−400
pull
Entries 51
Mean 43.62
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5

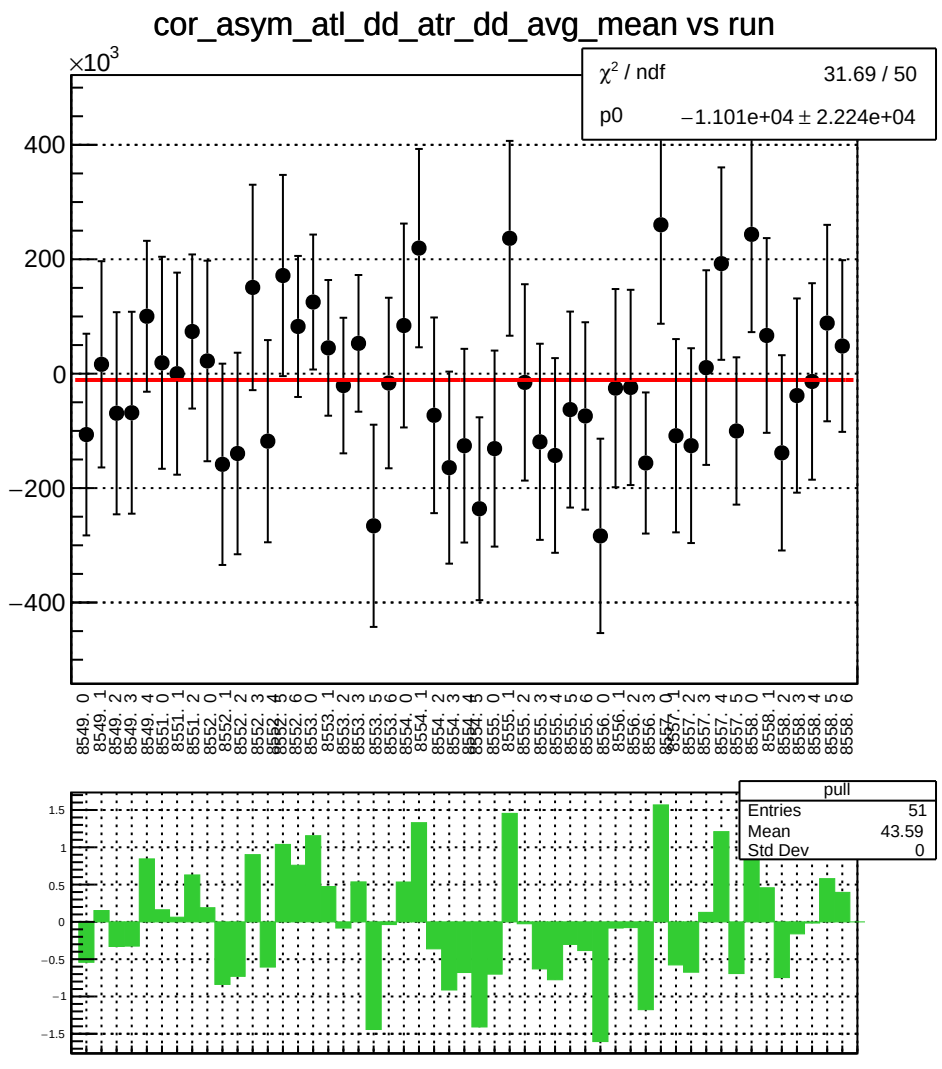

pull1D
Entries 51
Mean −0.01691
Std Dev 0.788
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

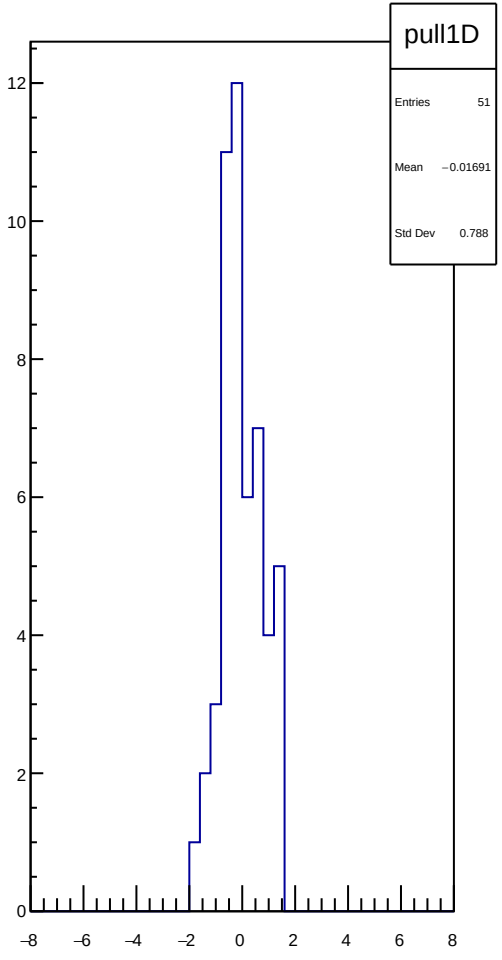

reg_asym_atl_dd_atr_dd_avg_rms vs run
×10^3
χ² / ndf 2.998e+04 / 51
p0 1.57e+04 ± 15.72
400
350
300
250
200
150
100
50
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 5
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

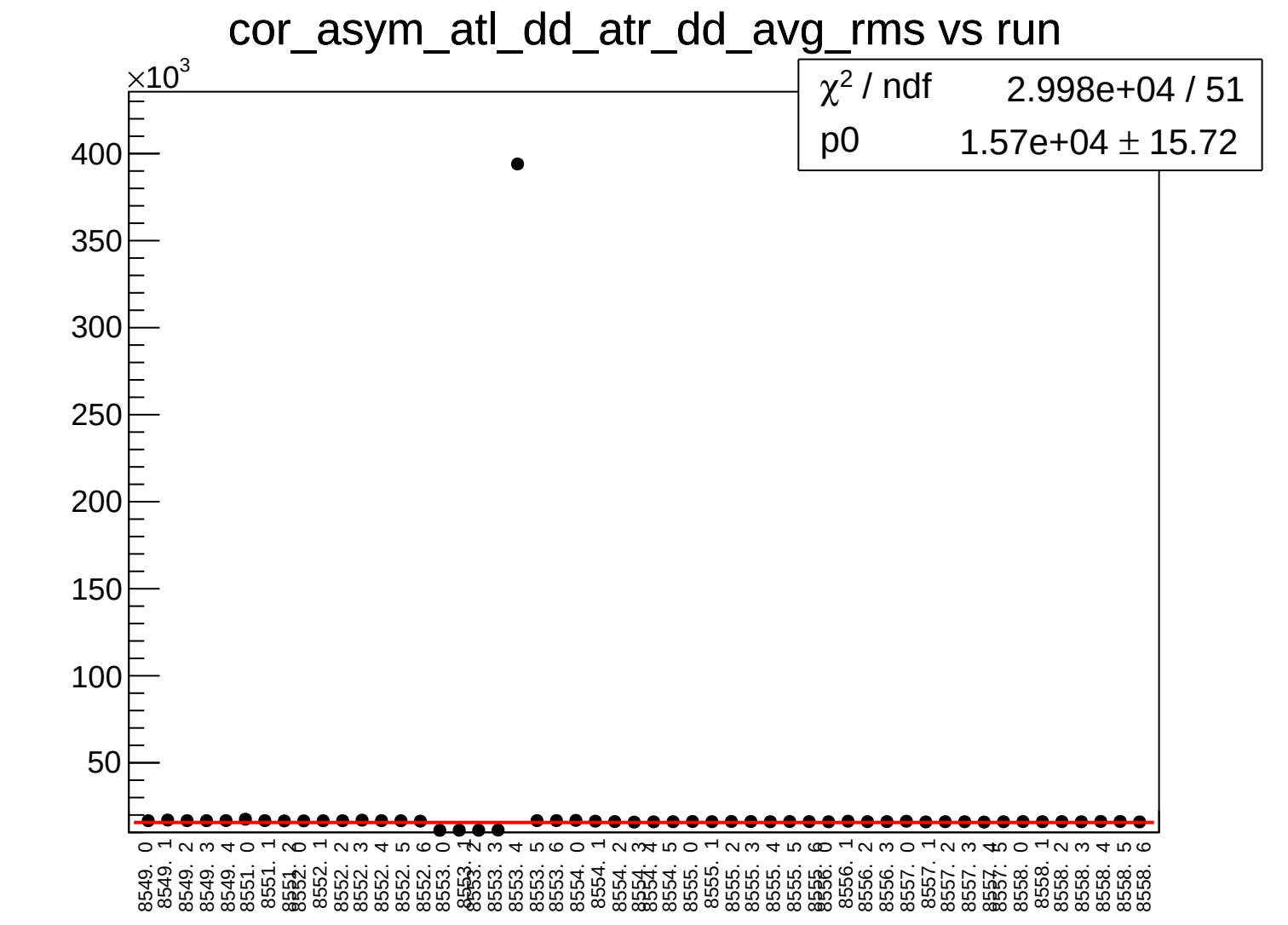

asym_atl_dd_atr_dd_avg_reg_correction_mean vs run
χ² / ndf 49.83 / 51
p0 −1333 ± 1314
40000
20000
0
−20000
−40000
−60000
−80000
pull
Entries 52
Mean −32.28
Std Dev 0

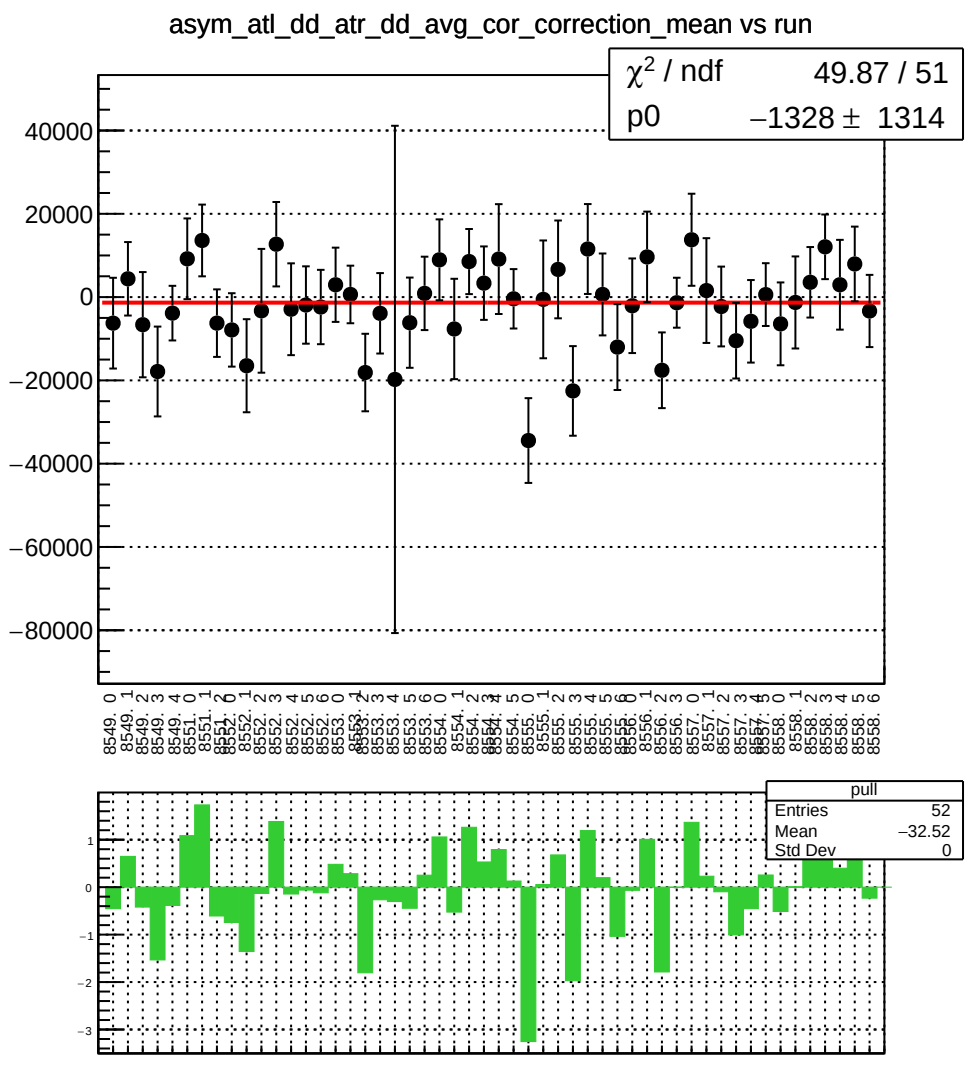

pull1D
Entries 52
Mean −0.02579
Std Dev 0.9786
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

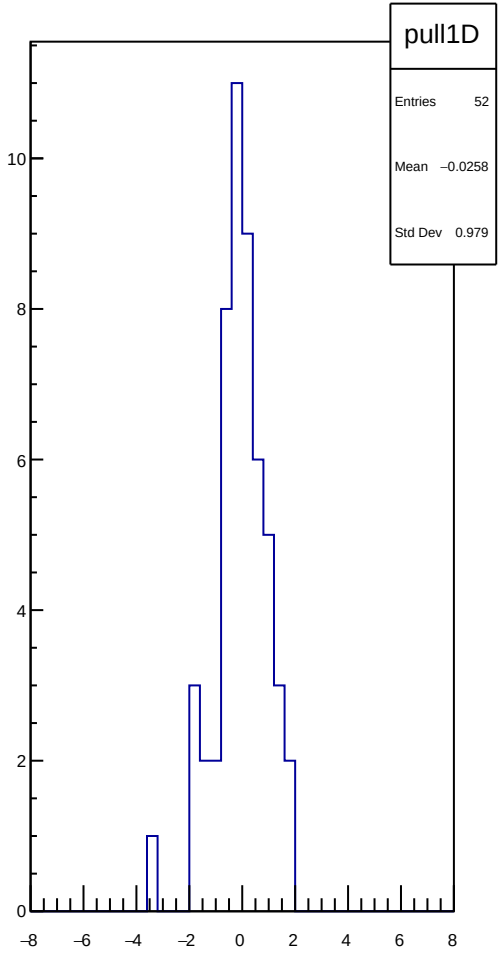

asym_atl_dd_atr_dd_avg_reg_correction_rms vs run
χ² / ndf 3.612e+04 / 51
p0 924.7 ± 0.9291
6000
5000
4000
3000
2000
1000
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

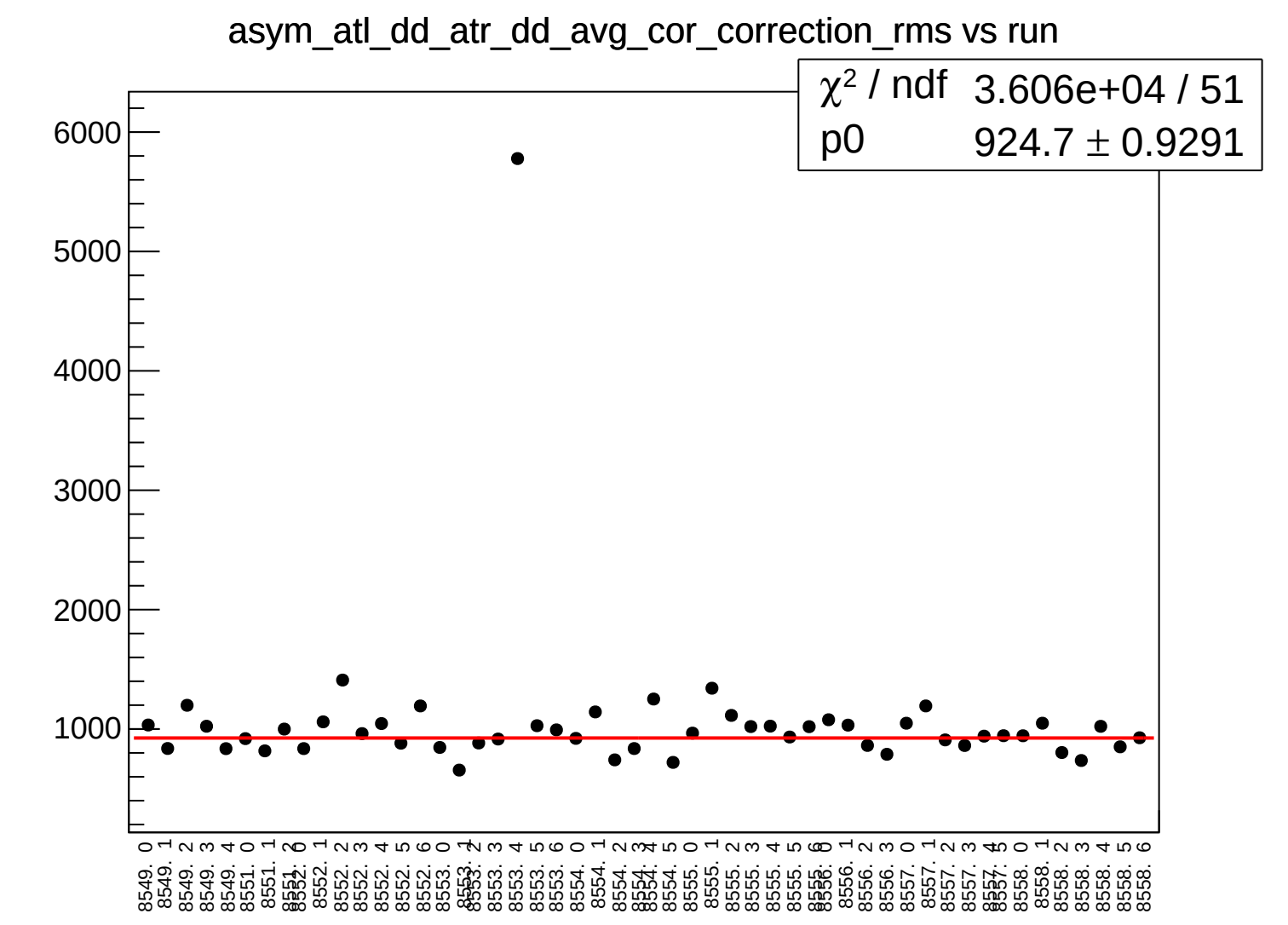

cor_asym_atl_dd_atr_dd_avg_mean vs run
×10^3
χ² / ndf 31.69 / 50
p0 −1.101e+04 ± 2.224e+04
pull
Entries 51
Mean 43.59
Std Dev 0

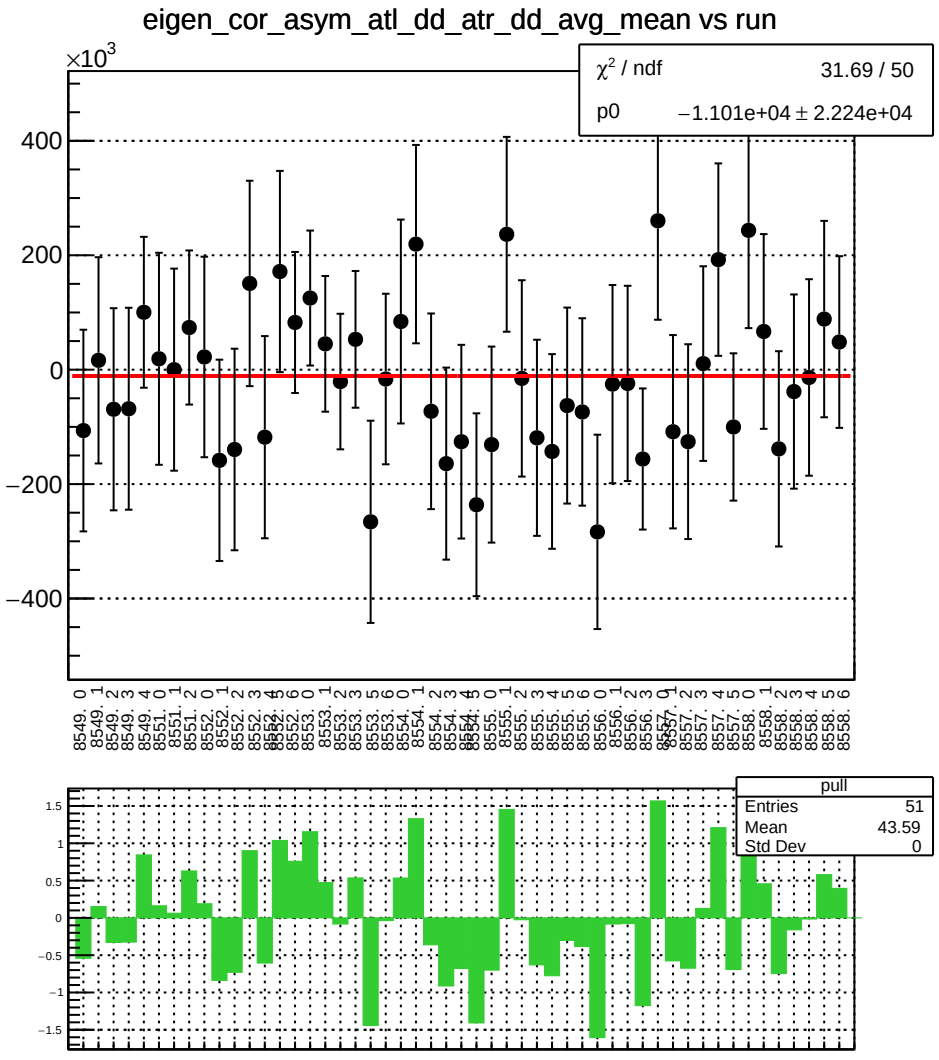

pull1D
Entries 51
Mean −0.01691
Std Dev 0.788

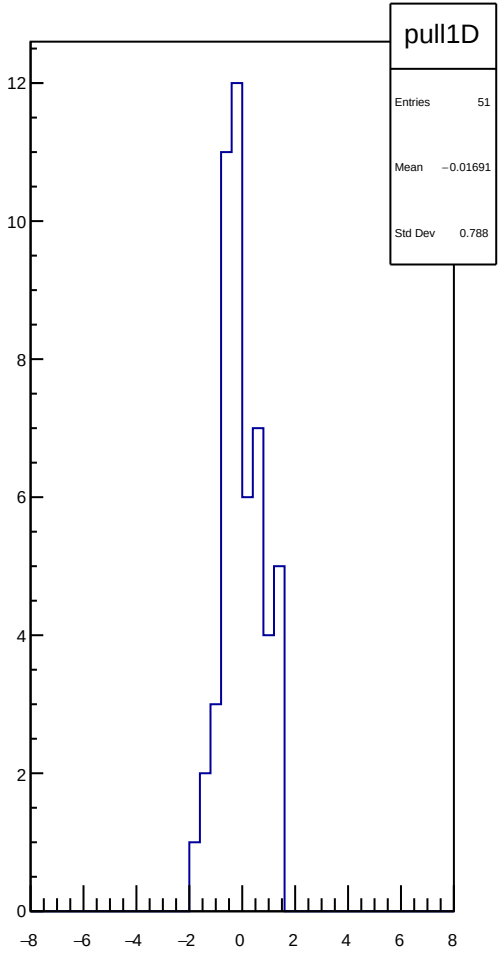

cor_asym_atl_dd_atr_dd_avg_rms vs run
×10^3
χ² / ndf 2.998e+04 / 51
p0 1.57e+04 ± 15.72
400
350
300
250
200
150
100
50
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8551. 2
8552. 0
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 1
8553. 2
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 3
8554. 4
8554. 5
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8555. 6
8556. 0
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8557. 4
8557. 5
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

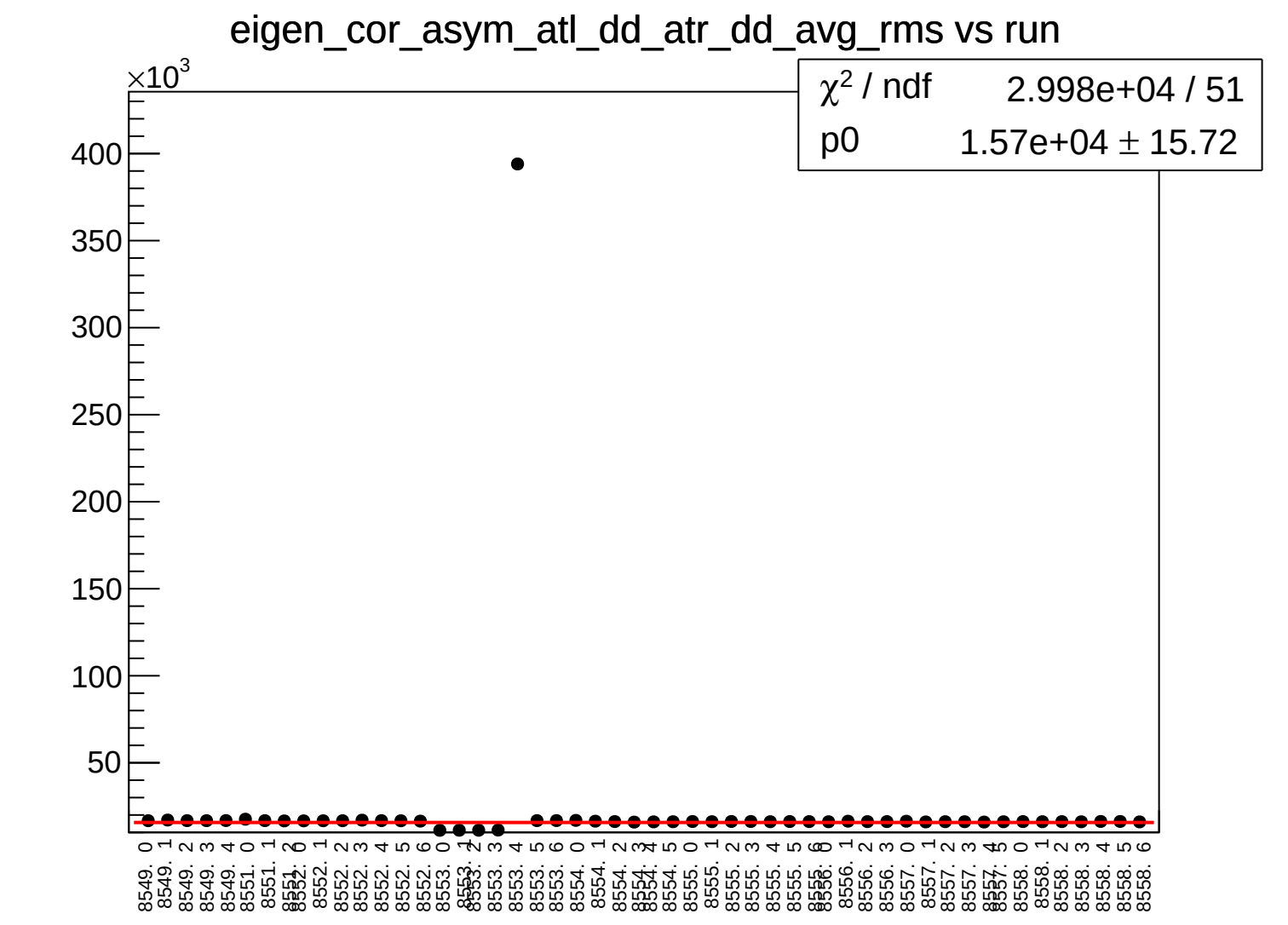

asym_atl_dd_atr_dd_avg_cor_correction_mean vs run
χ² / ndf 49.87 / 51
p0 −1328 ± 1314
40000
20000
0
−20000
−40000
−60000
−80000
pull
Entries 52
Mean −32.52
Std Dev 0

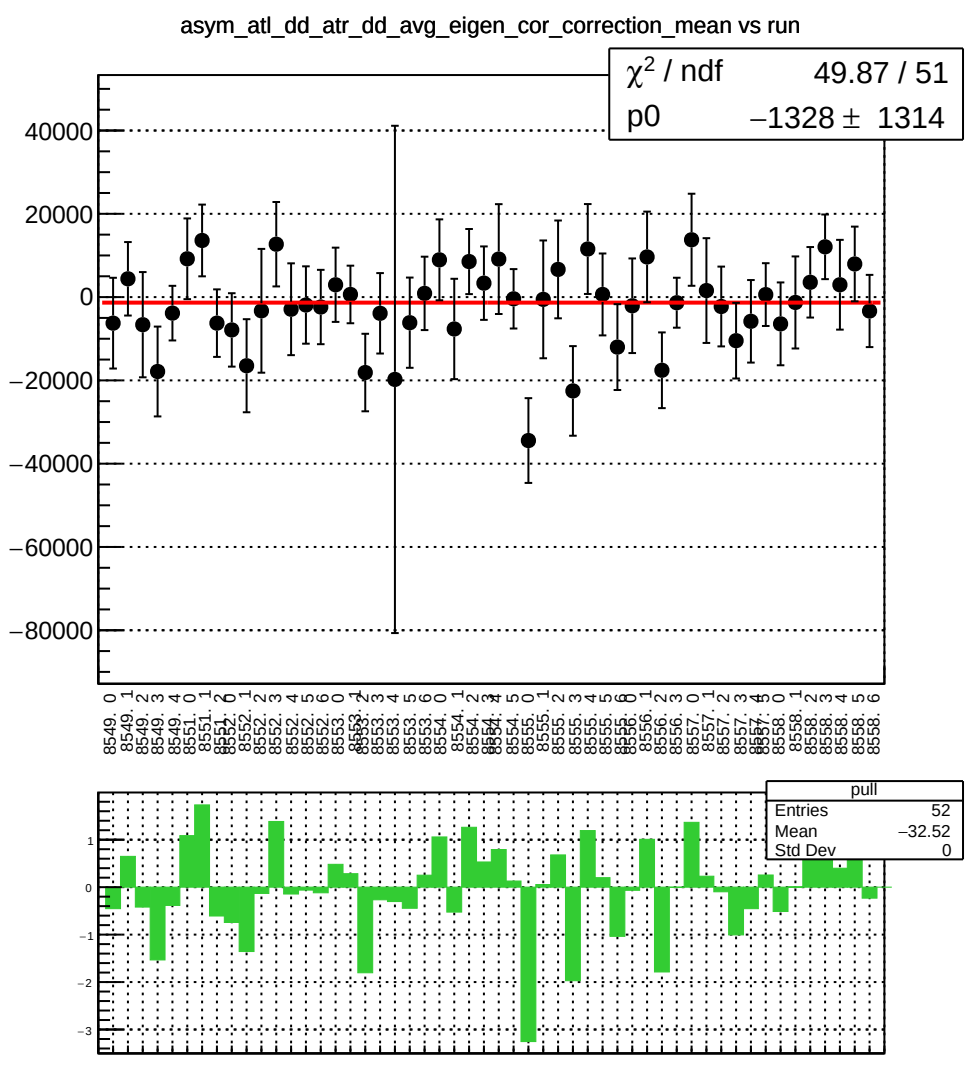

pull1D
Entries 52
Mean −0.0258
Std Dev 0.979
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

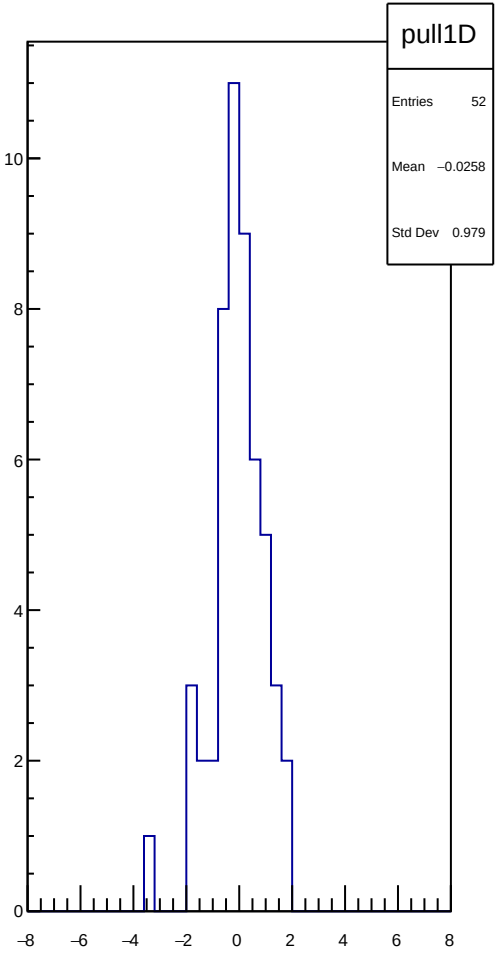

asym_atl_dd_atr_dd_avg_cor_correction_rms vs run
χ² / ndf 3.606e+04 / 51
p0 924.7 ± 0.9291
6000
5000
4000
3000
2000
1000
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

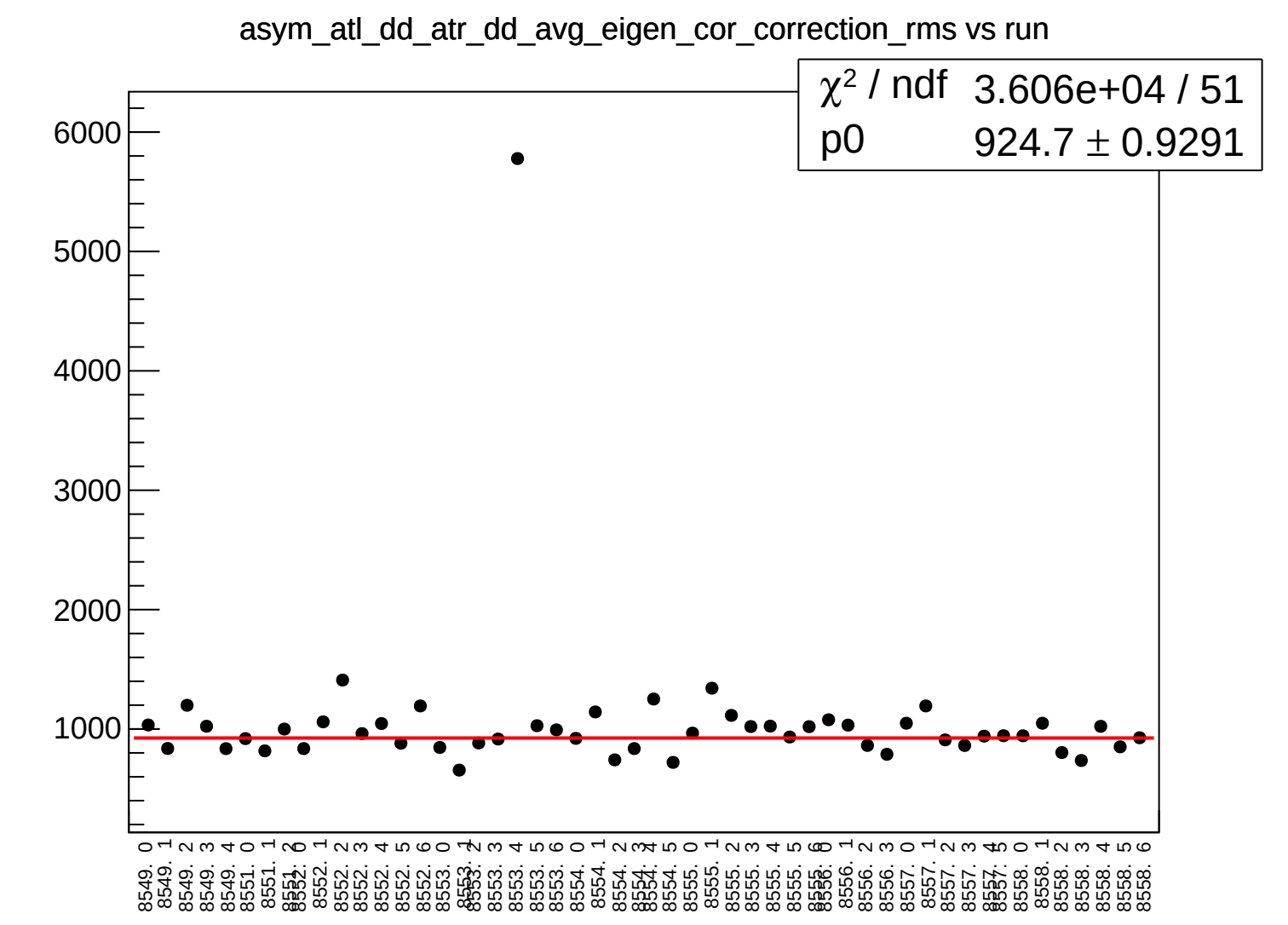

eigen_cor_asym_atl_dd_atr_dd_avg_mean vs run
×10^3
χ² / ndf 31.69 / 50
p0 −1.101e+04 ± 2.224e+04
400
200
0
−200
−400
pull
Entries 51
Mean 43.59
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5


pull1D
Entries 51
Mean −0.01691
Std Dev 0.788
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


eigen_cor_asym_atl_dd_atr_dd_avg_rms vs run
χ^2 / ndf 2.998e+04 / 51
p0 1.57e+04 ± 15.72
×10^3
400
350
300
250
200
150
100
50
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 0
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 1
8553. 2
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 5
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6


asym_atl_dd_atr_dd_avg_eigen_cor_correction_mean vs run
χ² / ndf 49.87 / 51
p0 −1328 ± 1314
40000
20000
0
−20000
−40000
−60000
−80000
pull
Entries 52
Mean −32.52
Std Dev 0


pull1D
Entries 52
Mean −0.0258
Std Dev 0.979
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


asym_atl_dd_atr_dd_avg_eigen_cor_correction_rms vs run
χ² / ndf 3.606e+04 / 51
p0 924.7 ± 0.9291
6000
5000
4000
3000
2000
1000
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
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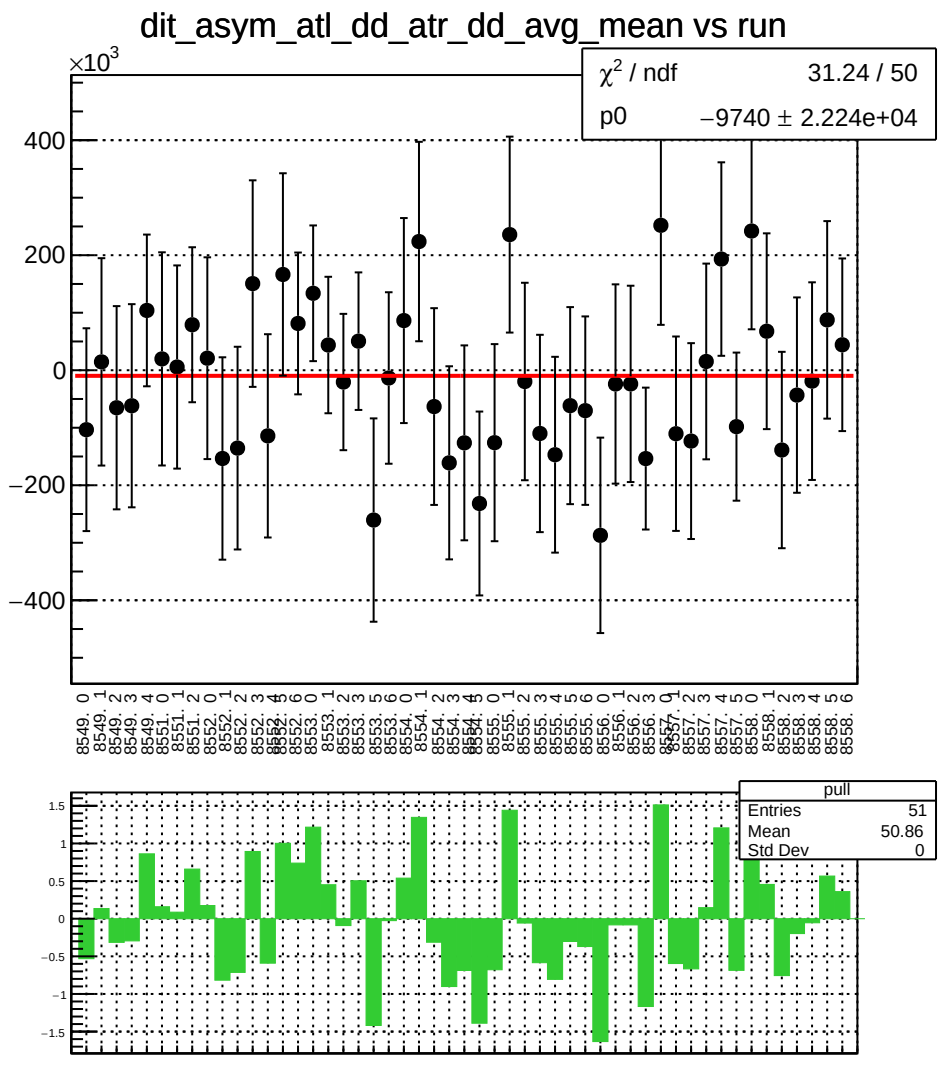
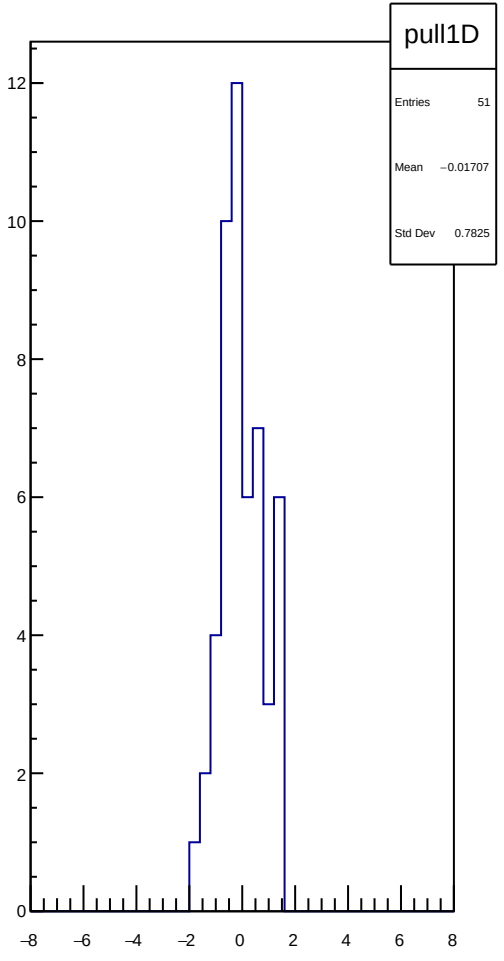
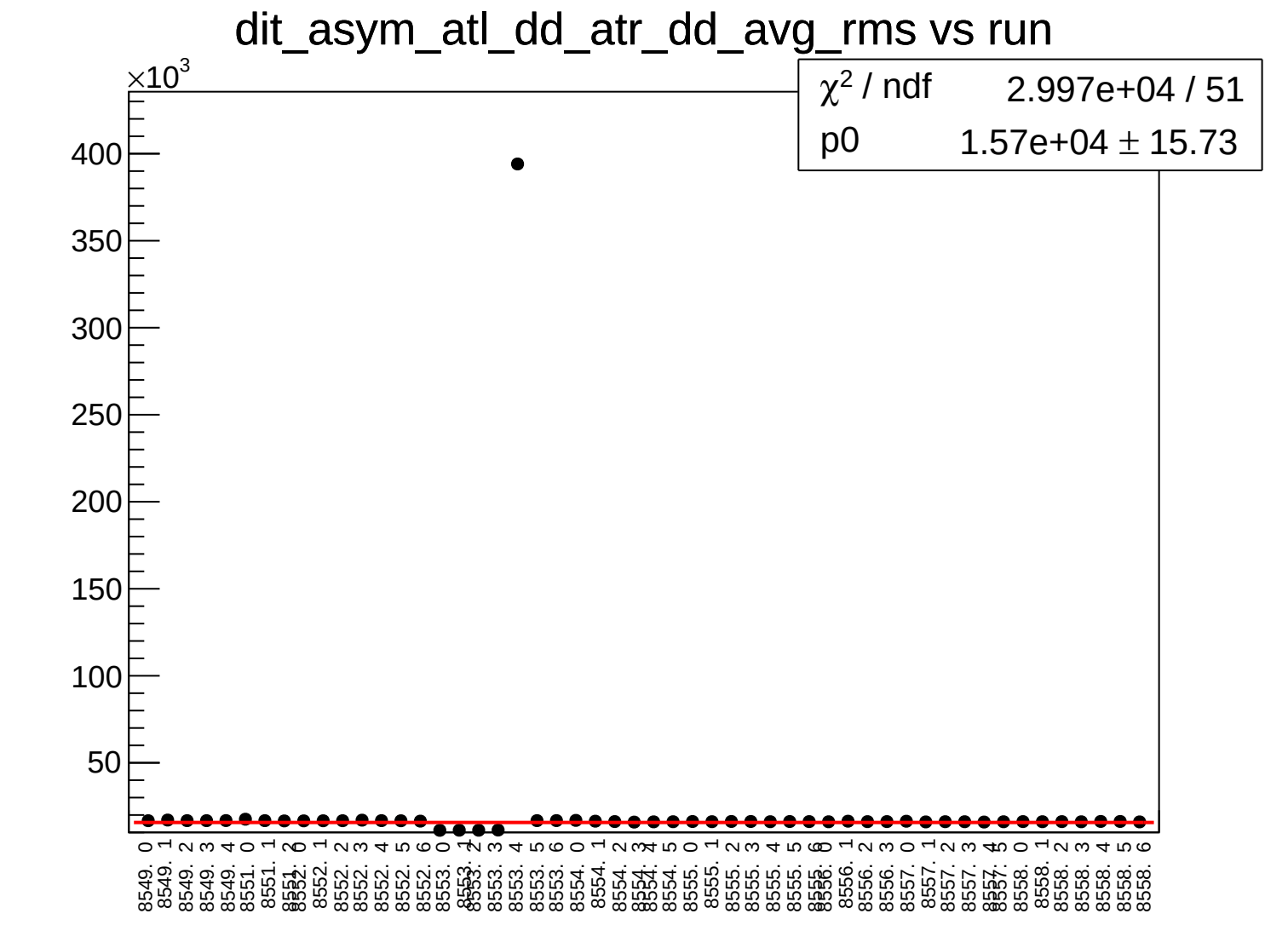
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6


dit_asym_atl_dd_atr_dd_avg_mean vs run
×10^3
χ² / ndf 31.24 / 50
p0 −9740 ± 2.224e+04
400
200
0
−200
−400
pull
Entries 51
Mean 50.86
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5


pull1D
Entries 51
Mean −0.01707
Std Dev 0.7825
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


dit_asym_atl_dd_atr_dd_avg_rms vs run
×10^3
400
350
300
250
200
150
100
50
χ² / ndf 2.997e+04 / 51
p0 1.57e+04 ± 15.73
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
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8554. 2
8554. 5
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
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8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
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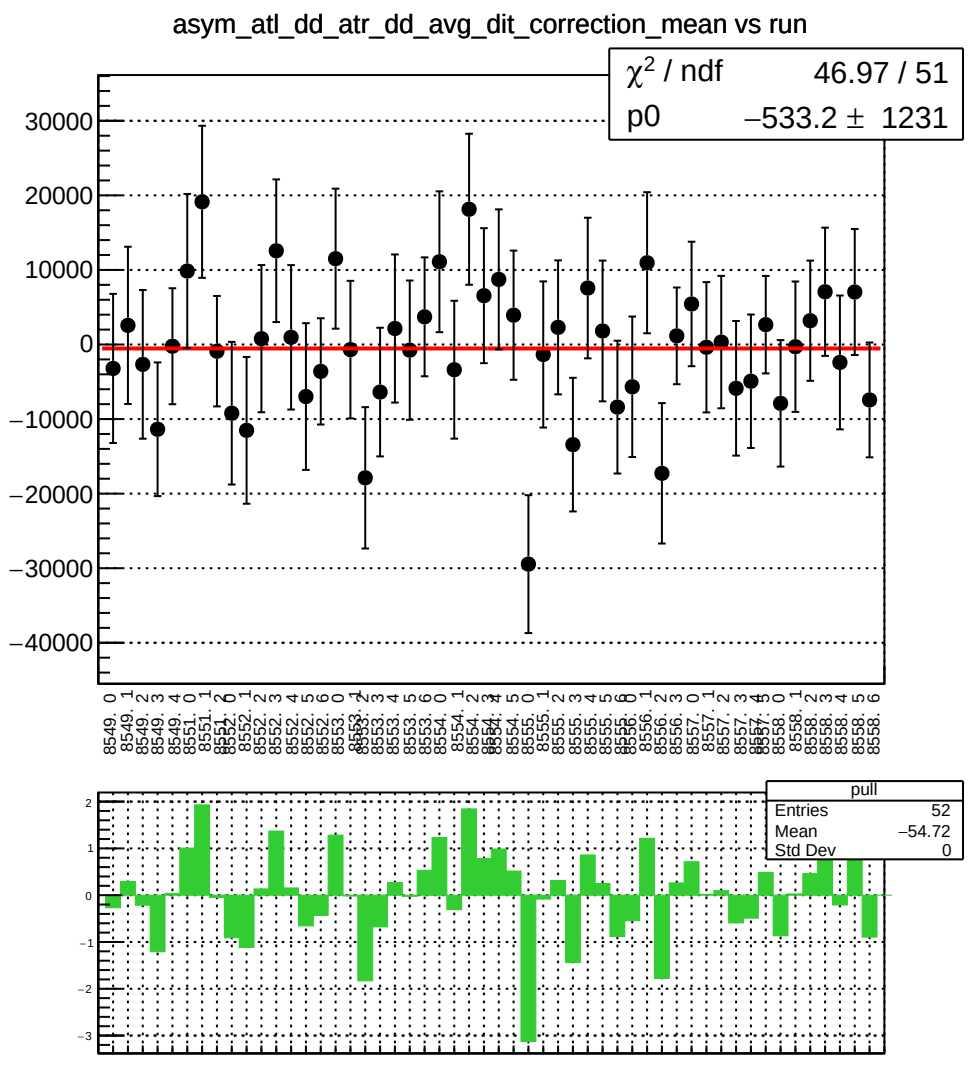
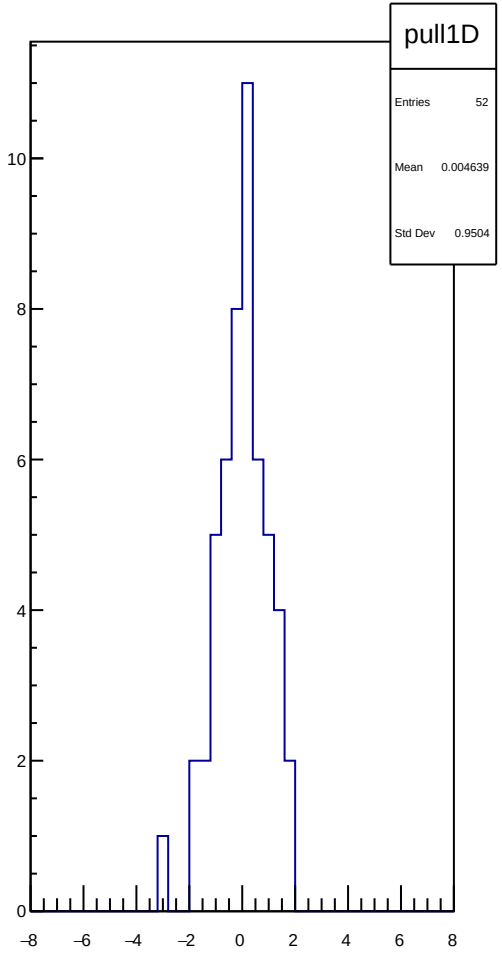
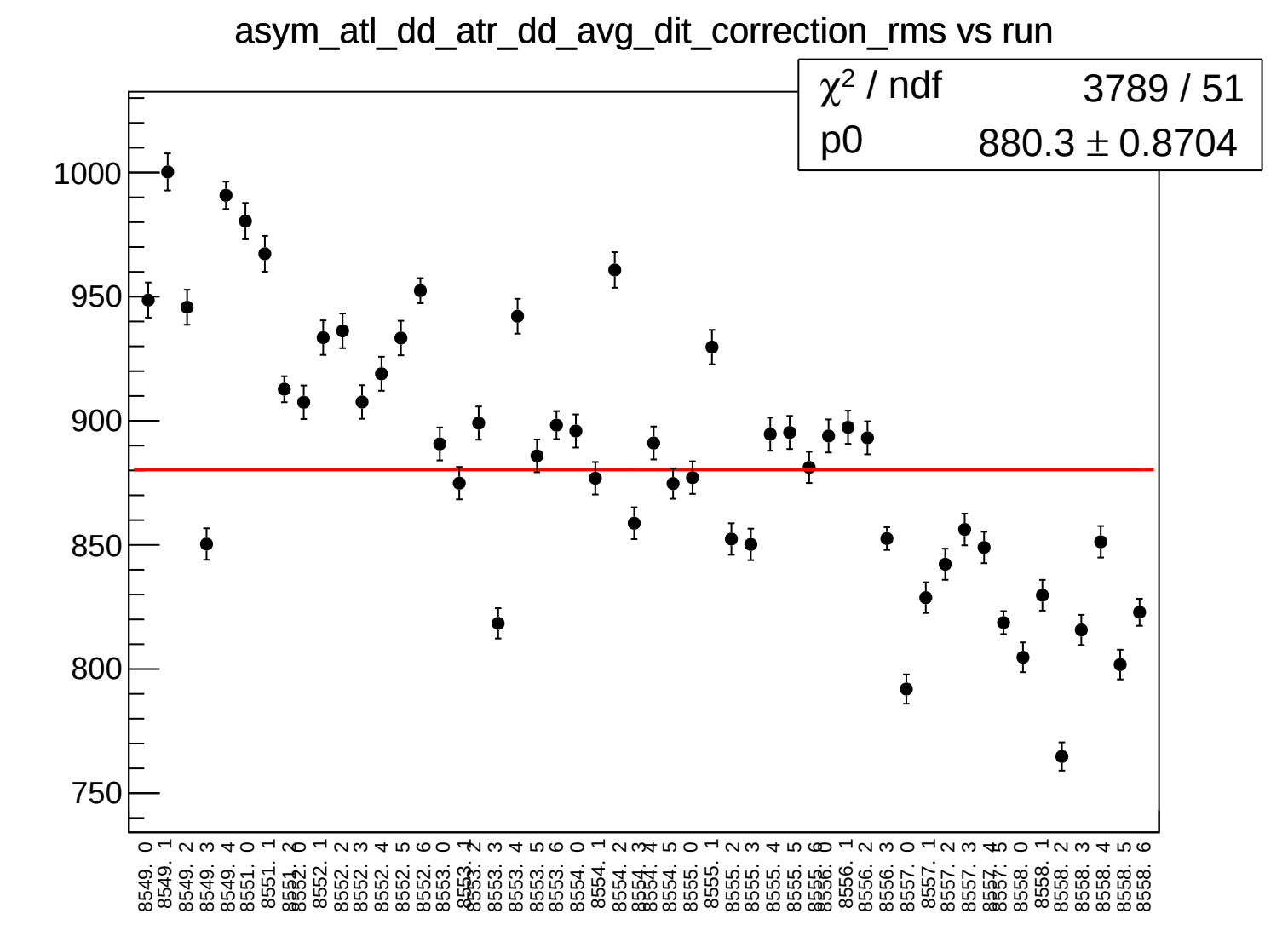
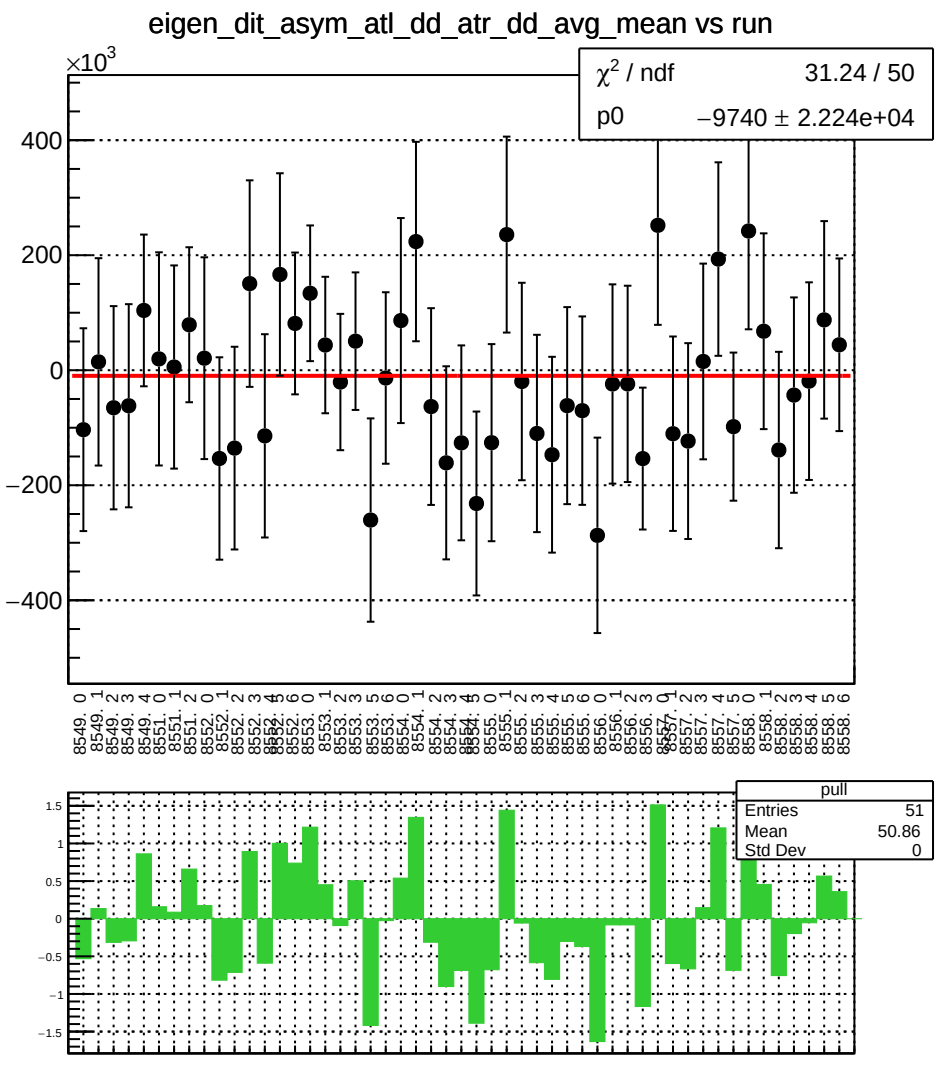
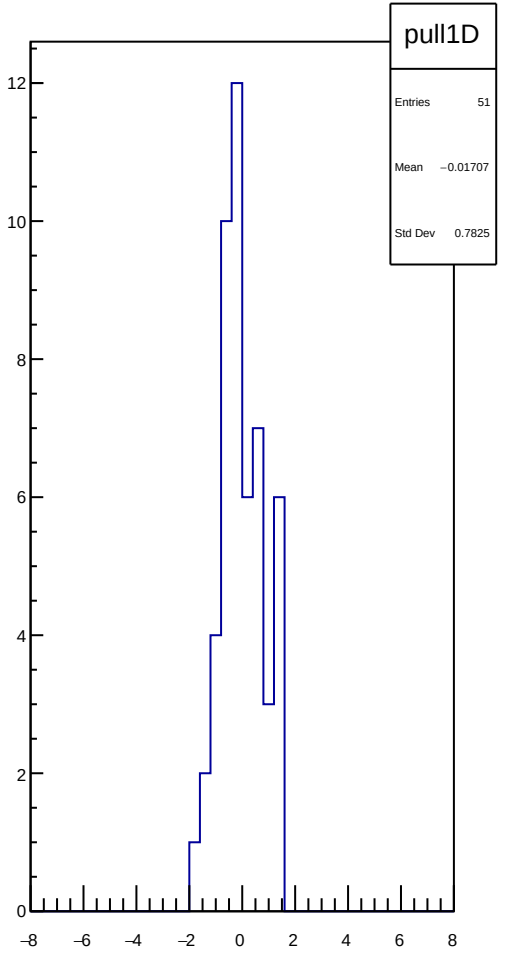
8558. 6

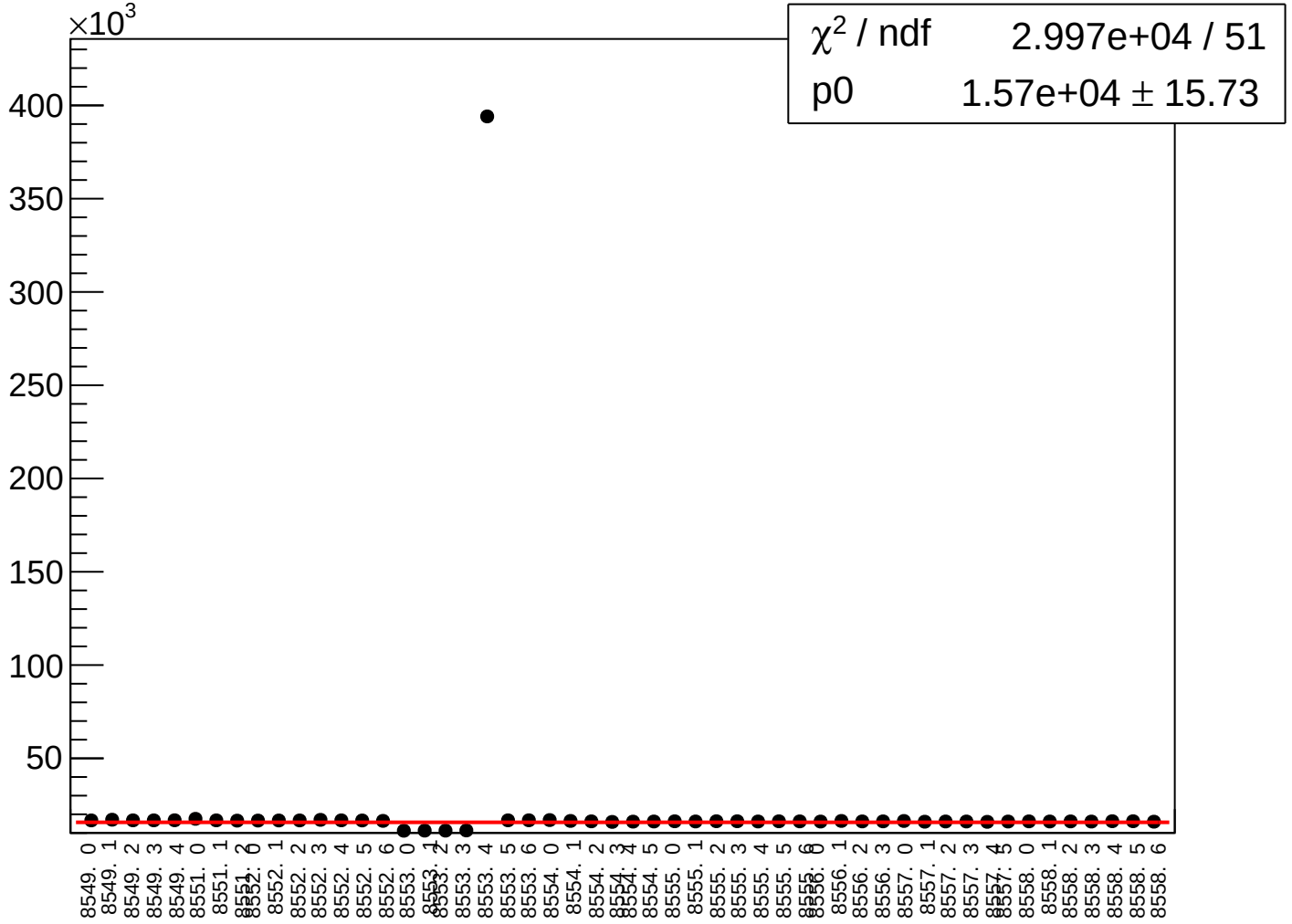

asym_atl_dd_atr_dd_avg_dit_correction_mean vs run
χ² / ndf 46.97 / 51
p0 −533.2 ± 1231
pull
Entries 52
Mean −54.72
Std Dev 0

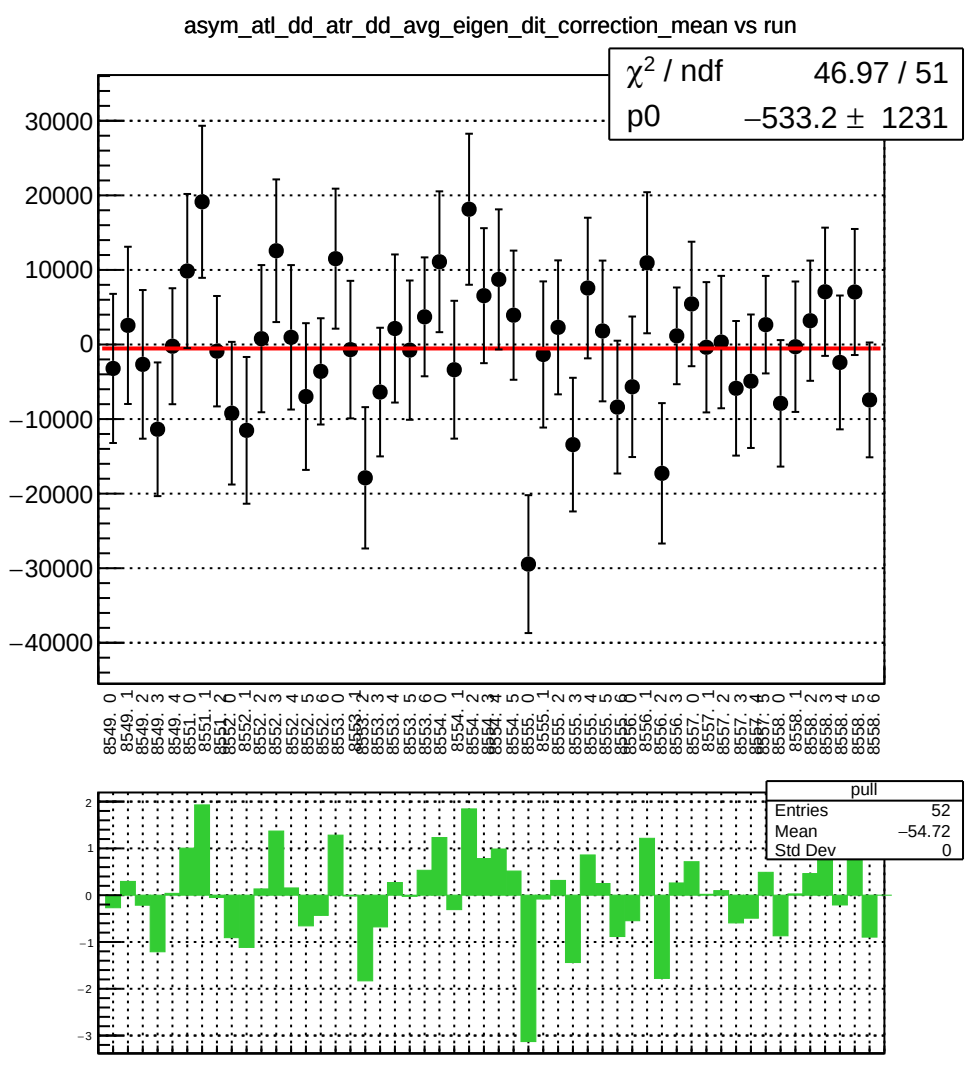

pull1D
Entries 52
Mean 0.004639
Std Dev 0.9504

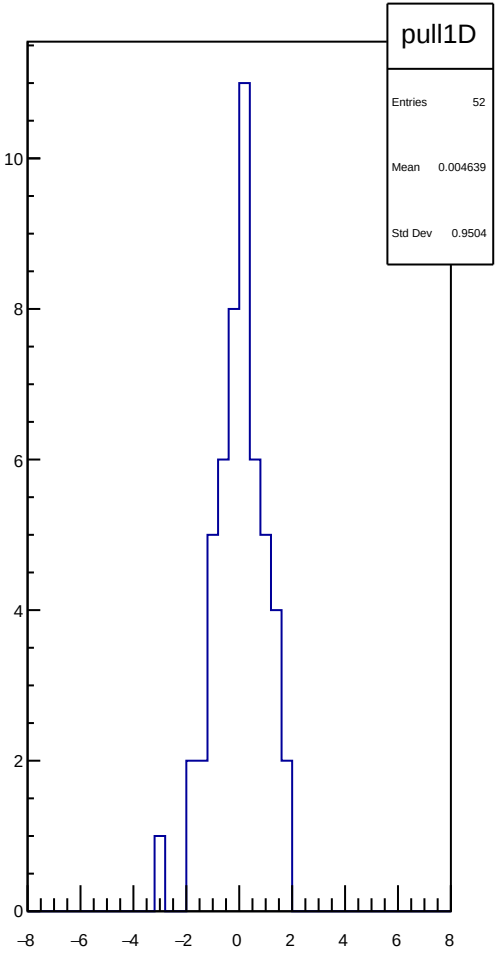

asym_atl_dd_atr_dd_avg_dit_correction_rms vs run
χ² / ndf 3789 / 51
p0 880.3 ± 0.8704
1000
950
900
850
800
750
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 5
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

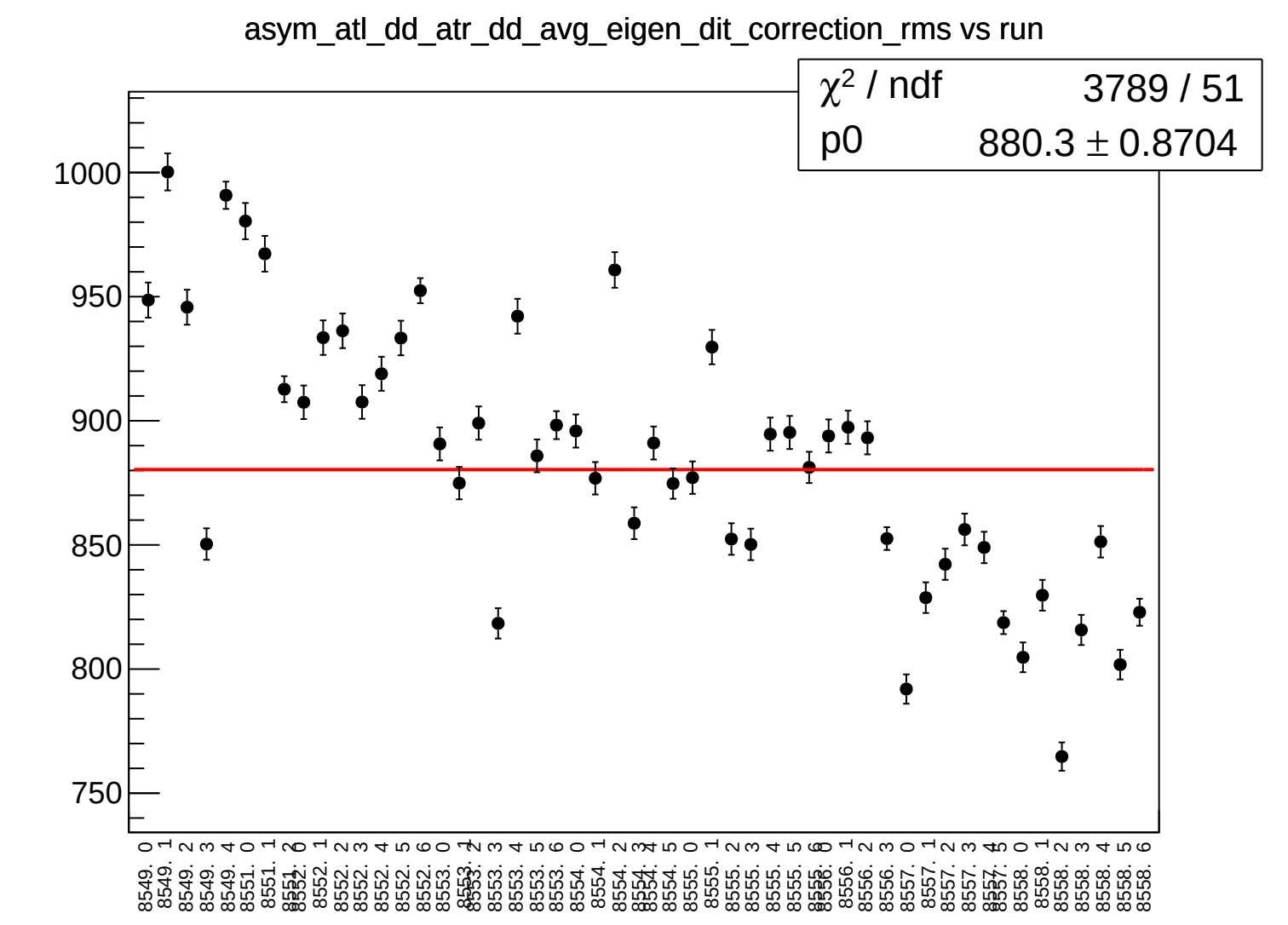

eigen_dit_asym_atl_dd_atr_dd_avg_mean vs run
×10^3
χ² / ndf 31.24 / 50
p0 −9740 ± 2.224e+04
400
200
0
−200
−400
pull
Entries 51
Mean 50.86
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5

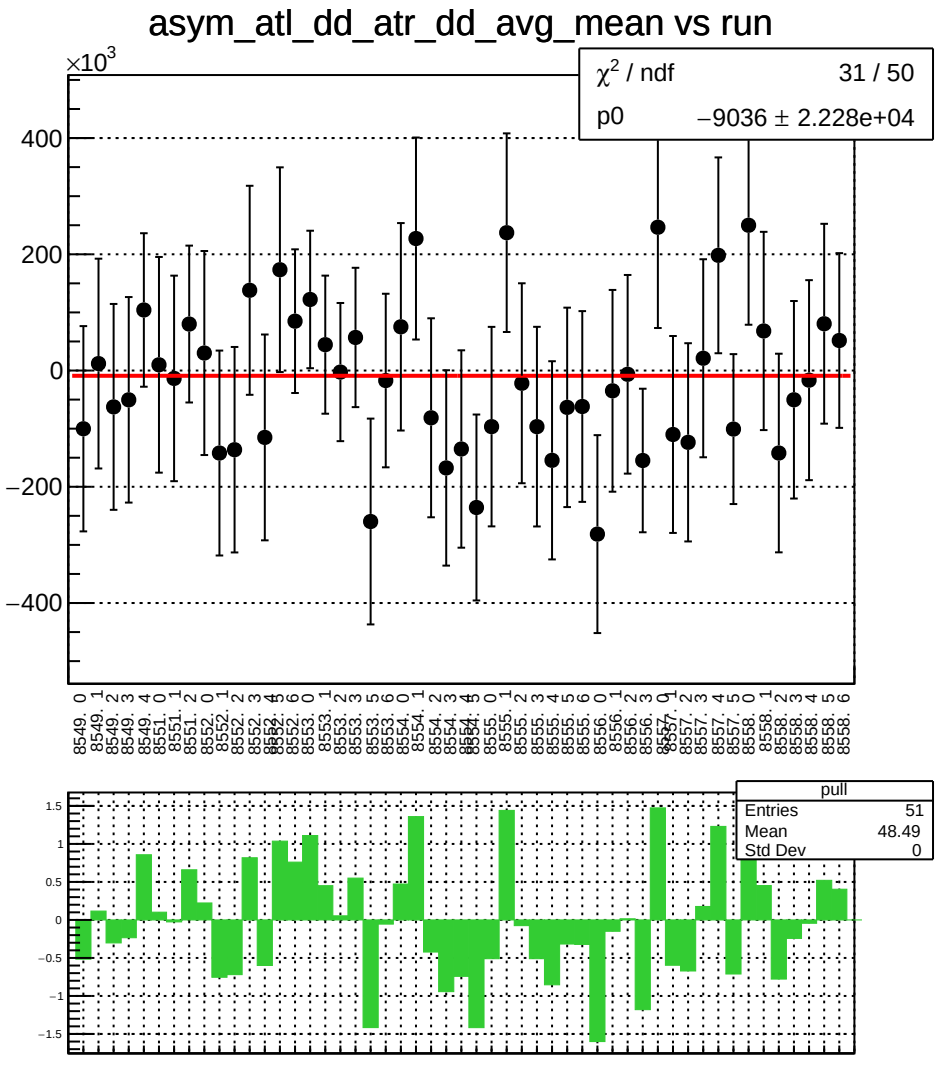

pull1D
Entries 51
Mean −0.01707
Std Dev 0.7825
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

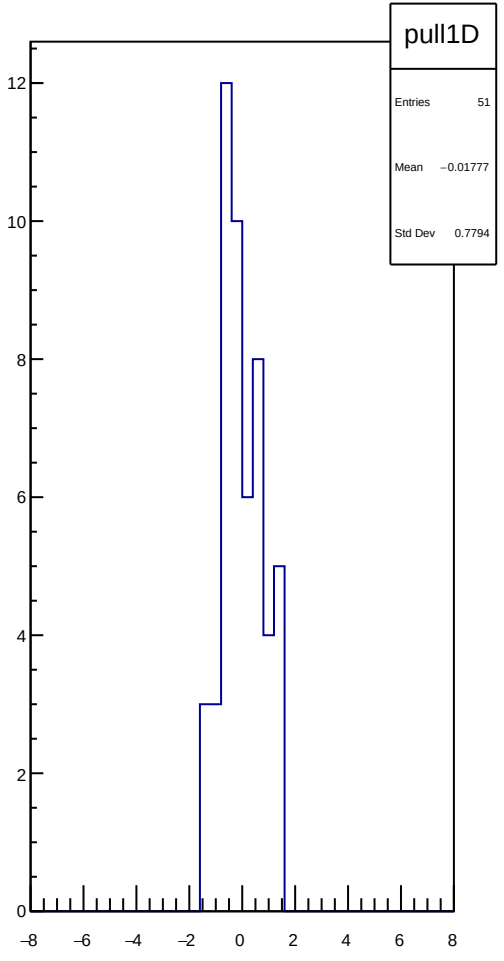

eigen_dit_asym_atl_dd_atr_dd_avg_rms vs run
×10^3
χ² / ndf 2.997e+04 / 51
p0 1.57e+04 ± 15.73
400
350
300
250
200
150
100
50
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8551. 2
8552. 0
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 1
8553. 2
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 3
8554. 4
8554. 5
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

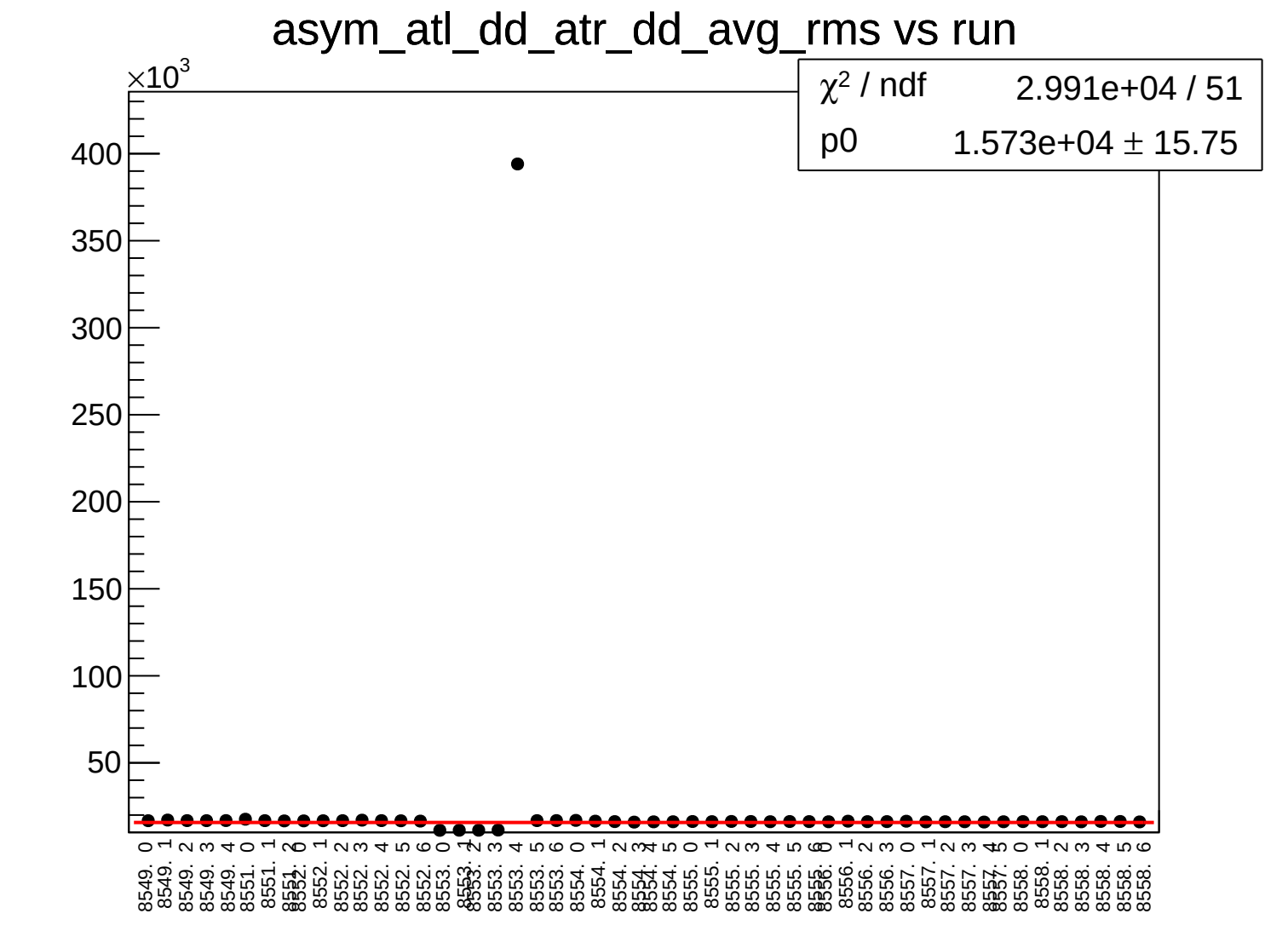

asym_atl_dd_atr_dd_avg_eigen_dit_correction_mean vs run
χ² / ndf 46.97 / 51
p0 −533.2 ± 1231
pull
Entries 52
Mean −54.72
Std Dev 0

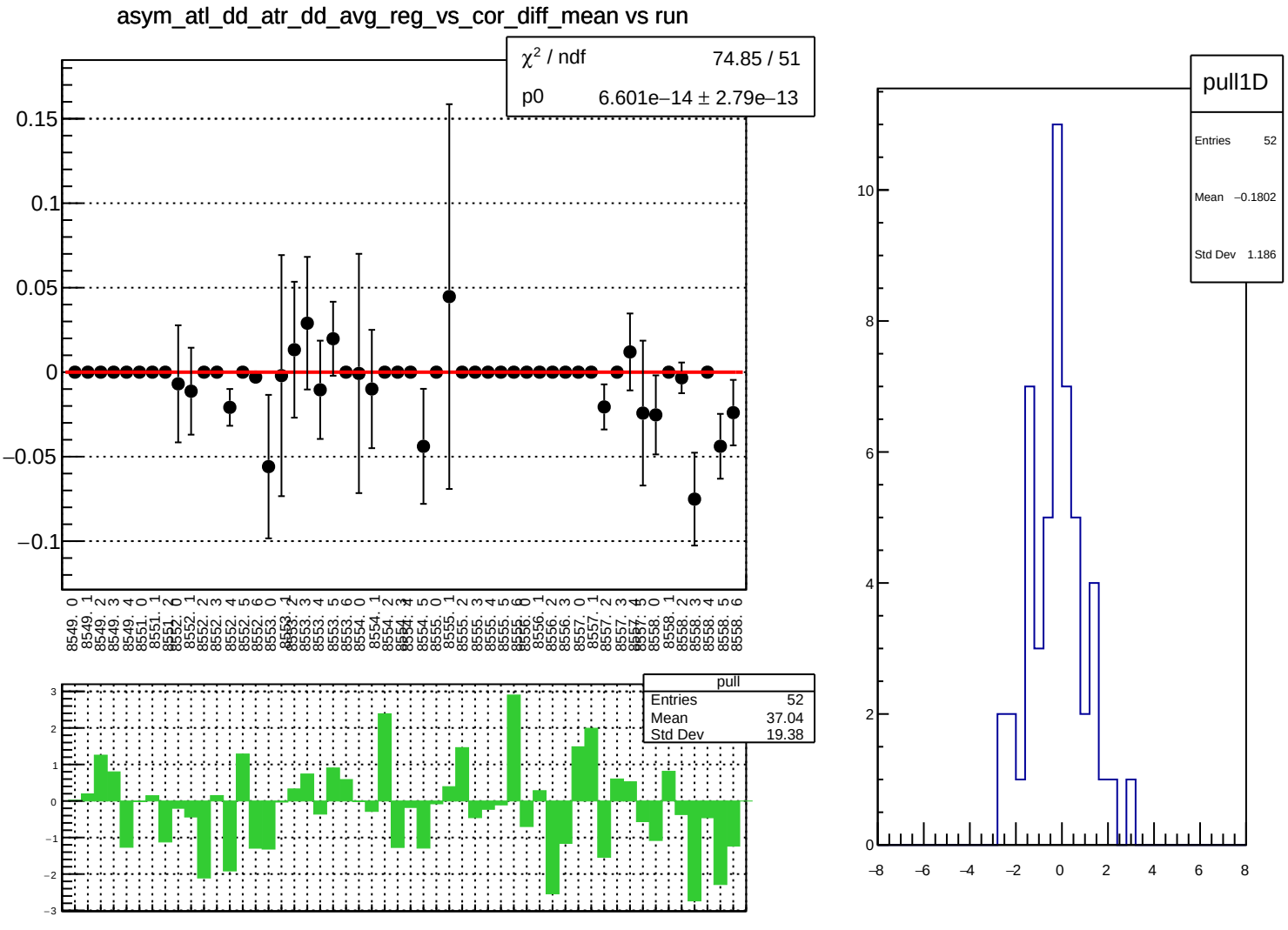

pull1D
Entries 52
Mean 0.004639
Std Dev 0.9504

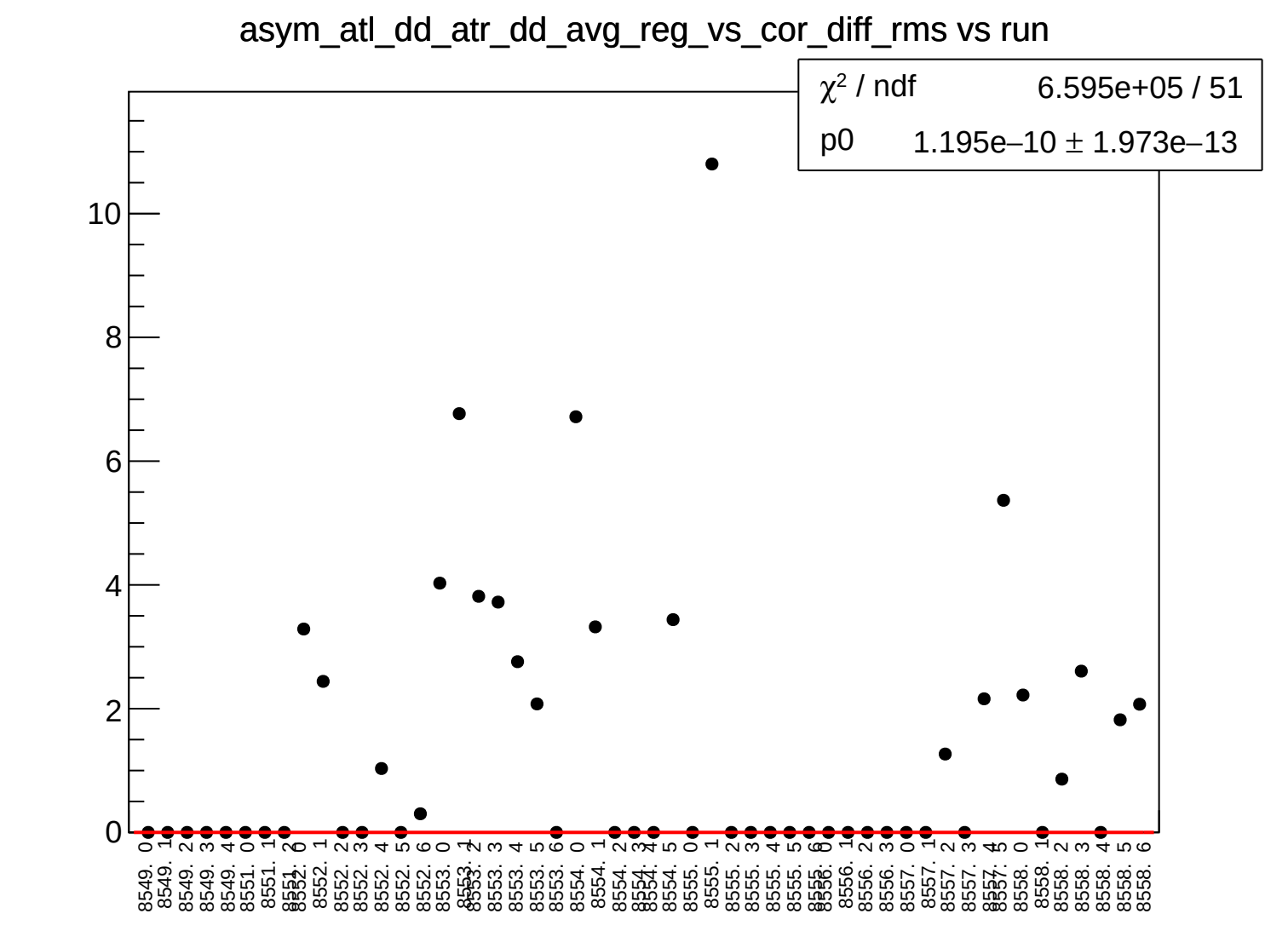

asym_atl_dd_atr_dd_avg_eigen_dit_correction_rms vs run
χ² / ndf 3789 / 51
p0 880.3 ± 0.8704
1000
950
900
850
800
750
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6


asym_atl_dd_atr_dd_avg_mean vs run
×10^3
χ² / ndf 31 / 50
p0 −9036 ± 2.228e+04
400
200
0
−200
−400
pull
Entries 51
Mean 48.49
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5


pull1D
Entries 51
Mean −0.01777
Std Dev 0.7794
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


asym_atl_dd_atr_dd_avg_rms vs run
×10^3
400
350
300
250
200
150
100
50
χ² / ndf 2.991e+04 / 51
p0 1.573e+04 ± 15.75
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 5
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6


asym_atl_dd_atr_dd_avg_reg_vs_cor_diff_mean vs run
χ² / ndf 74.85 / 51
p0 6.601e−14 ± 2.79e−13
0.15
0.1
0.05
0
−0.05
−0.1
pull
Entries 52
Mean 37.04
Std Dev 19.38
pull1D
Entries 52
Mean −0.1802
Std Dev 1.186
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


asym_atl_dd_atr_dd_avg_reg_vs_cor_diff_rms vs run
χ² / ndf 6.595e+05 / 51
p0 1.195e−10 ± 1.973e−13
0
2
4
6
8
10
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 0
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 1
8553. 2
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 3
8554. 4
8554. 5
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8555. 6
8556. 0
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
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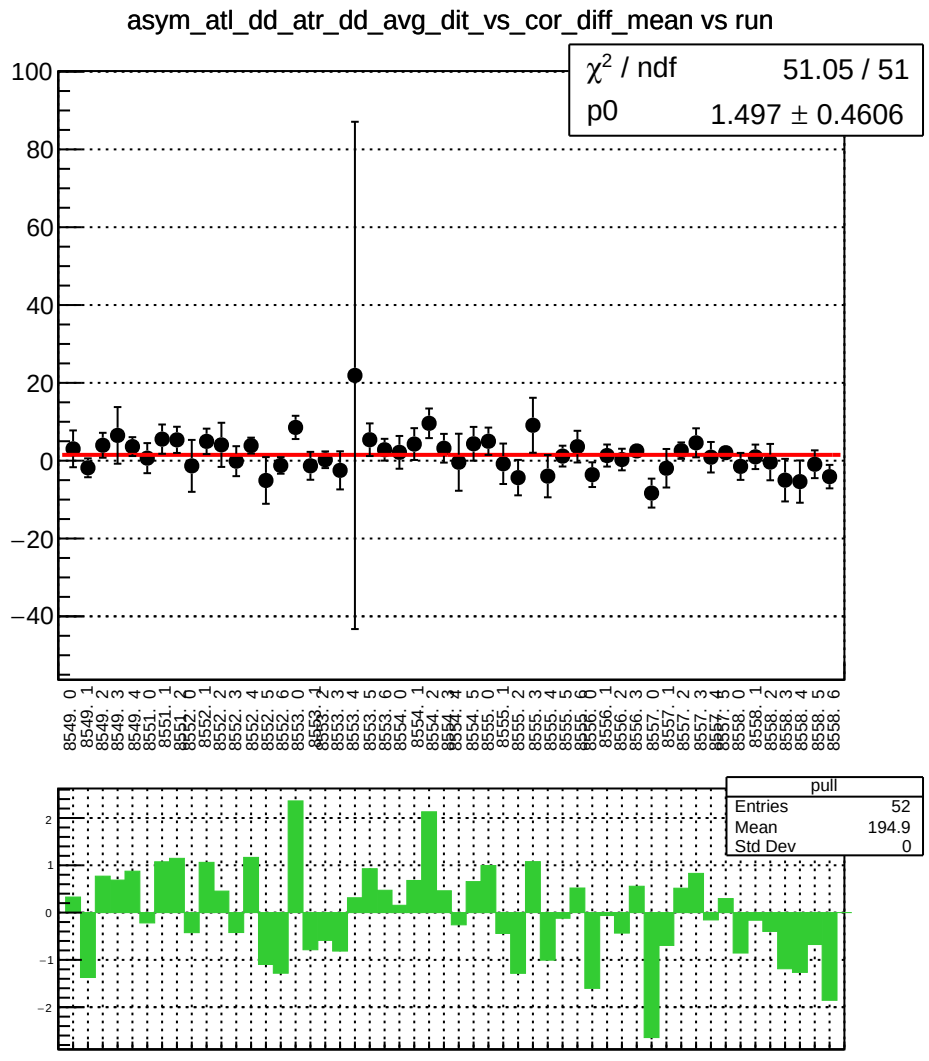
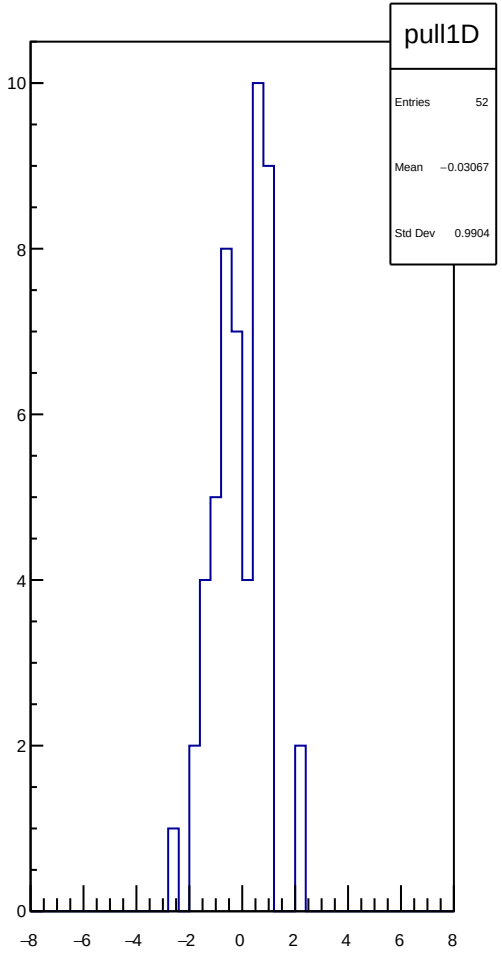
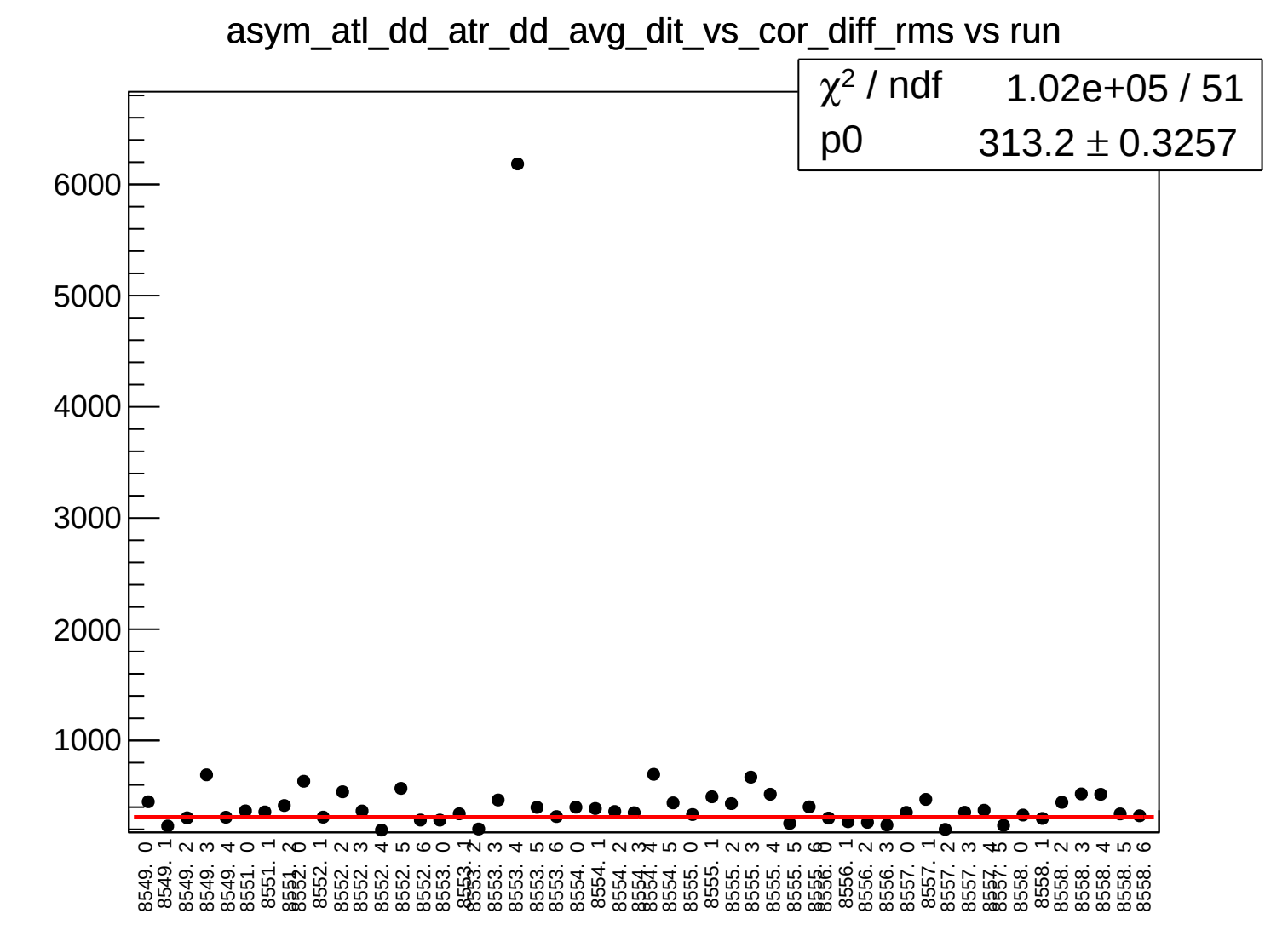
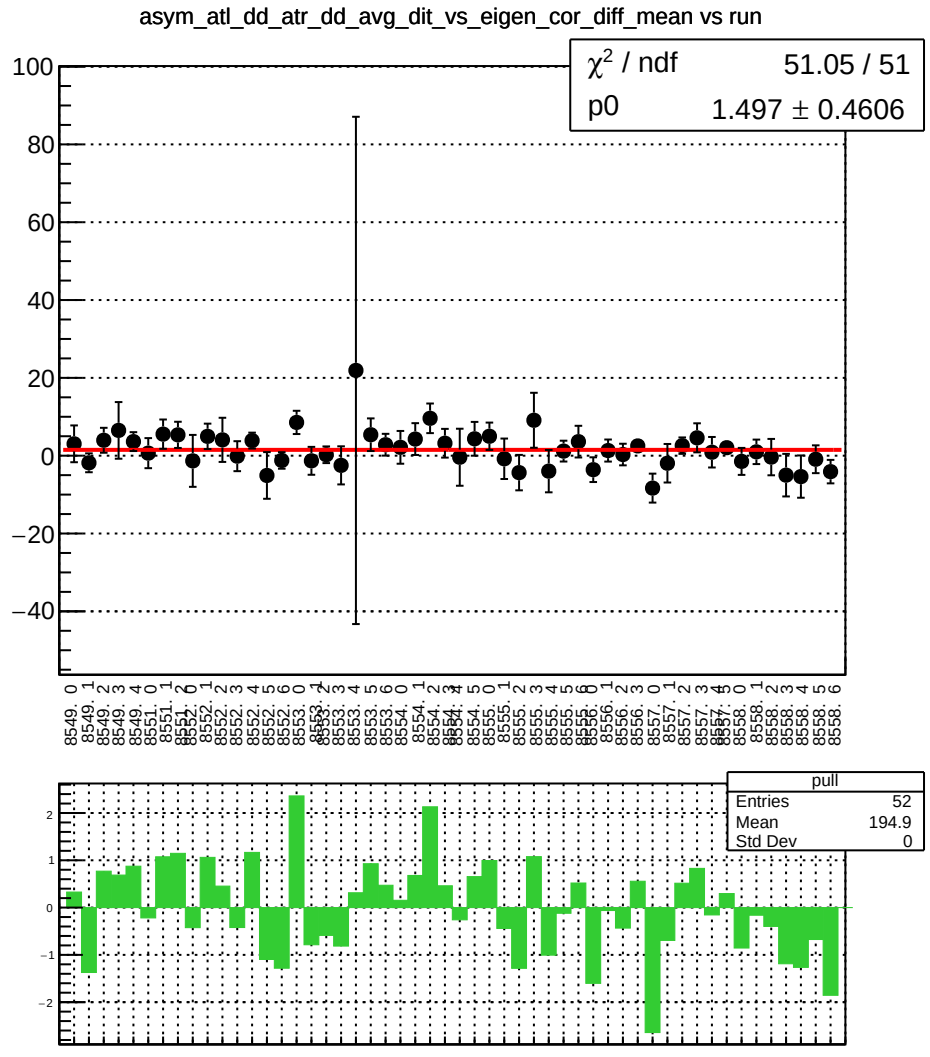
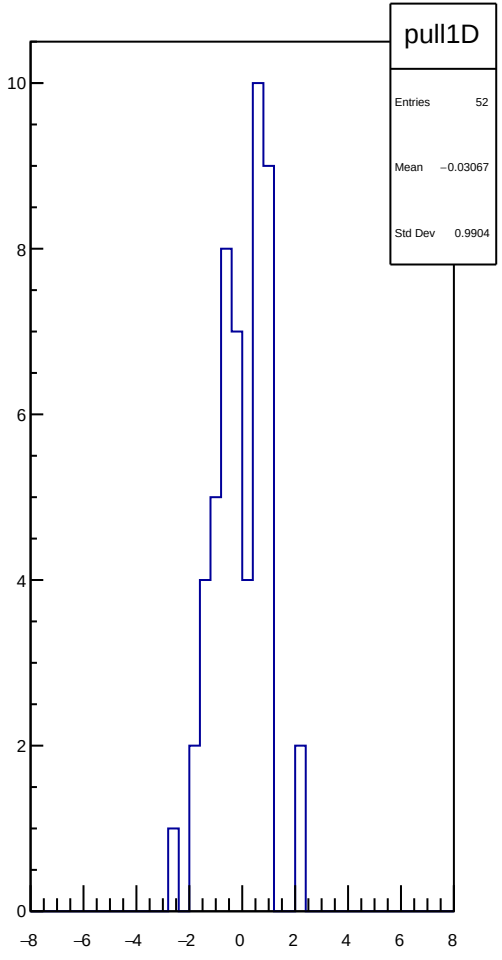
8557. 5
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

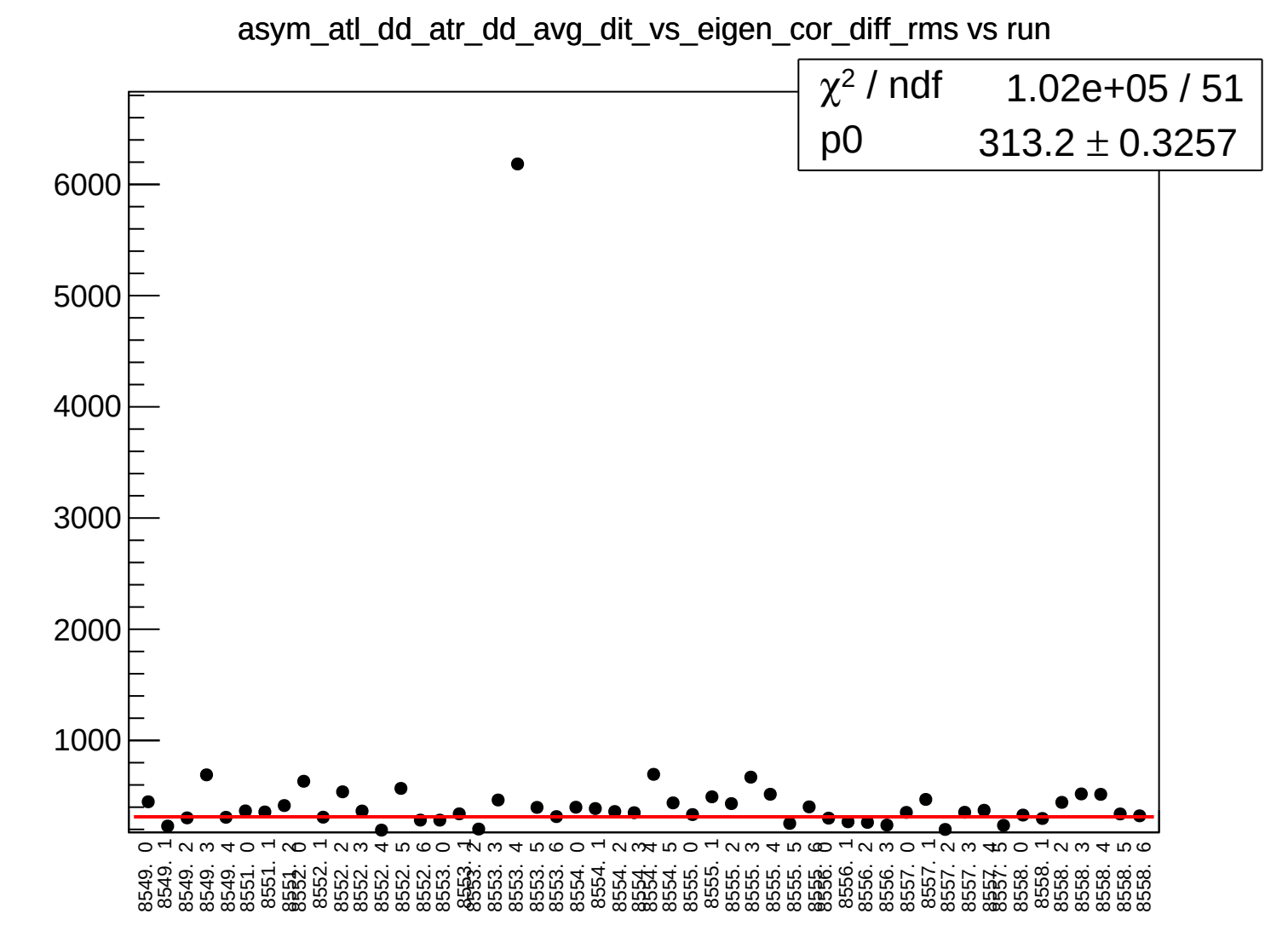

asym_atl_dd_atr_dd_avg_dit_vs_cor_diff_mean vs run
χ² / ndf 51.05 / 51
p0 1.497 ± 0.4606
pull
Entries 52
Mean 194.9
Std Dev 0

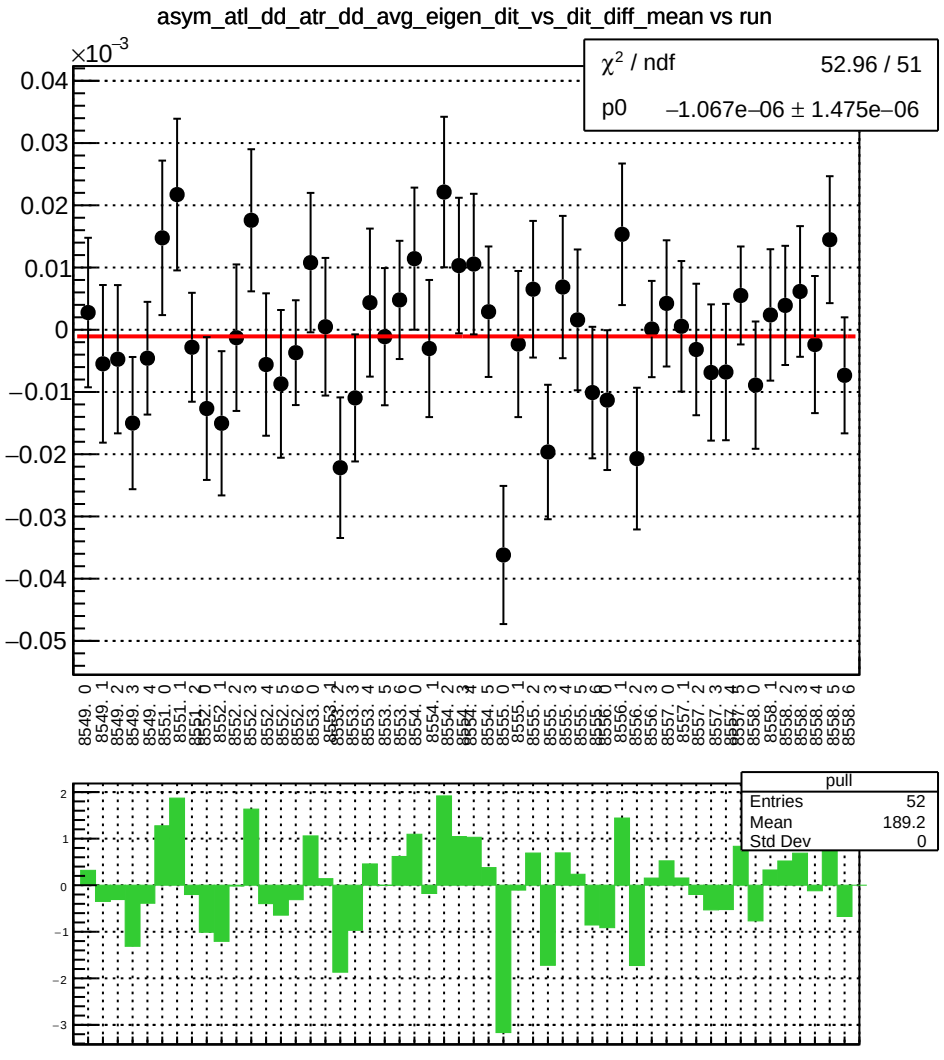

pull1D
Entries 52
Mean −0.03067
Std Dev 0.9904

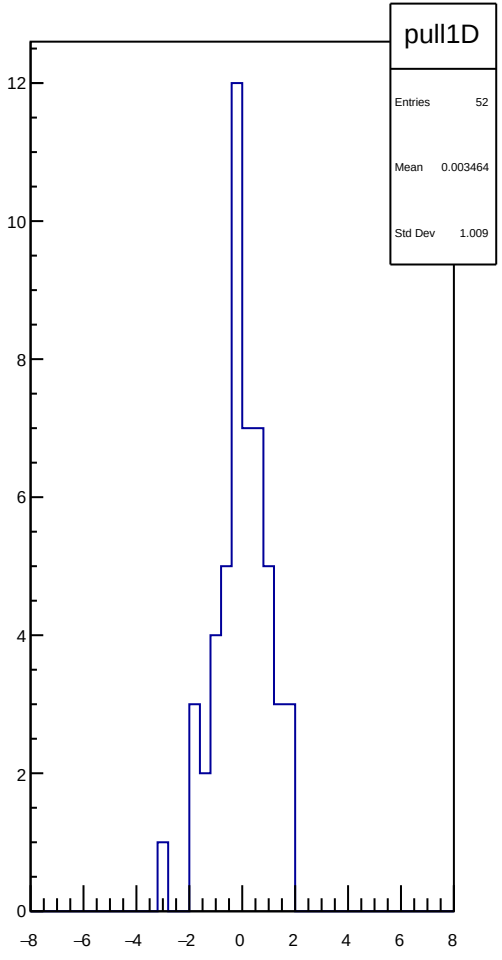

asym_atl_dd_atr_dd_avg_dit_vs_cor_diff_rms vs run
χ² / ndf 1.02e+05 / 51
p0 313.2 ± 0.3257
6000
5000
4000
3000
2000
1000
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 5
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

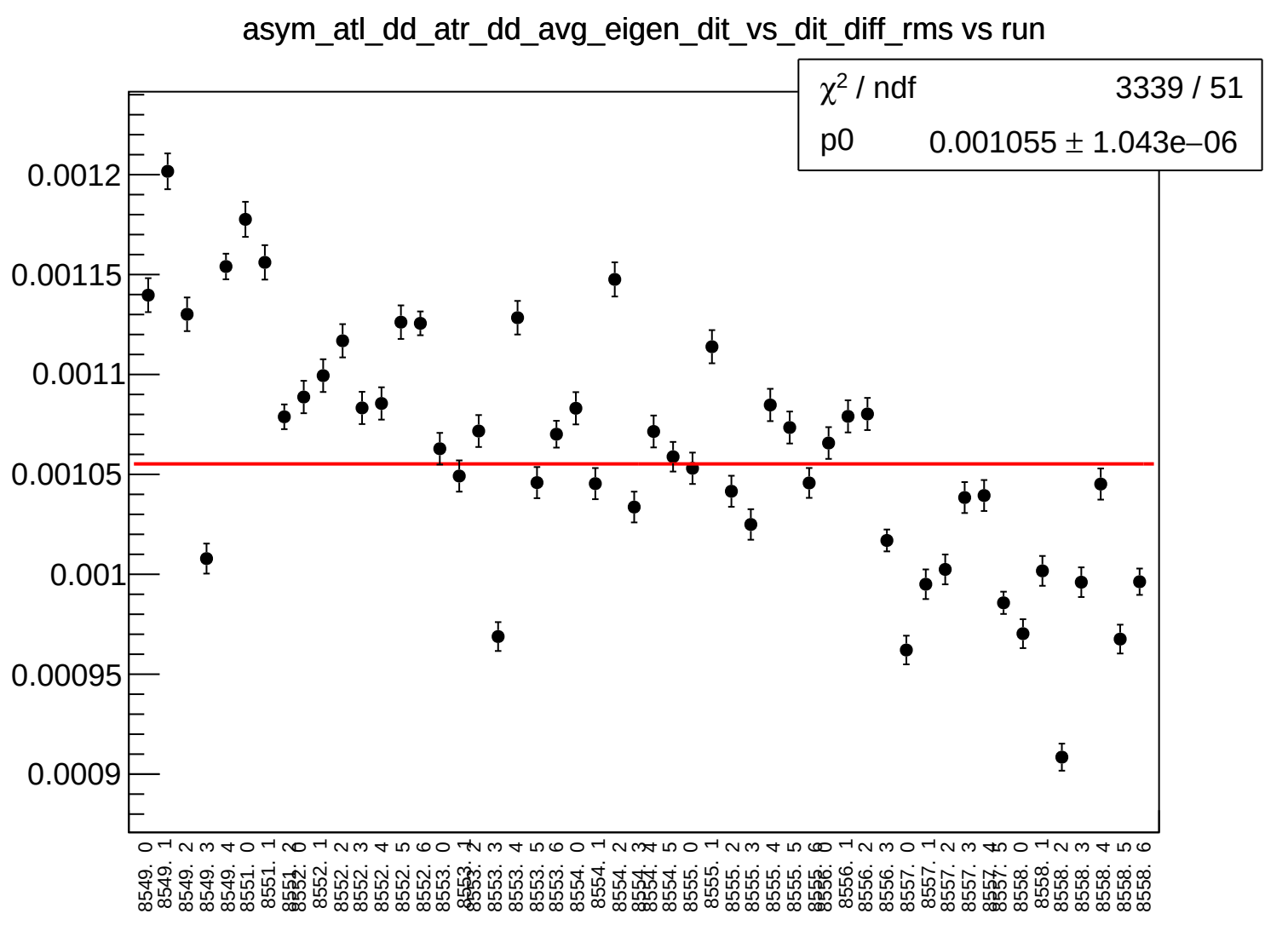

asym_atl_dd_atr_dd_avg_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 51.05 / 51
p0 1.497 ± 0.4606
pull
Entries 52
Mean 194.9
Std Dev 0

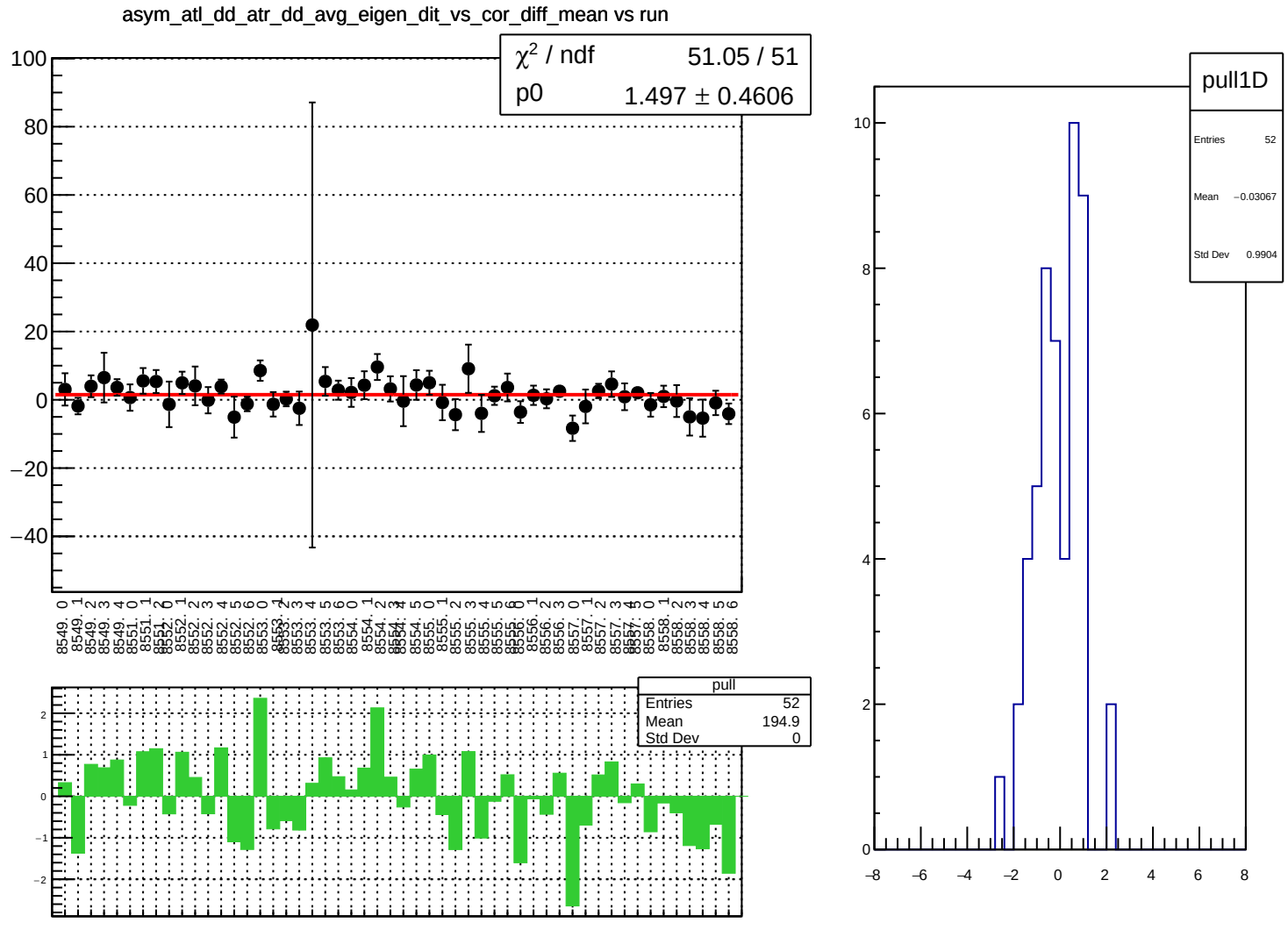

pull1D
Entries 52
Mean −0.03067
Std Dev 0.9904

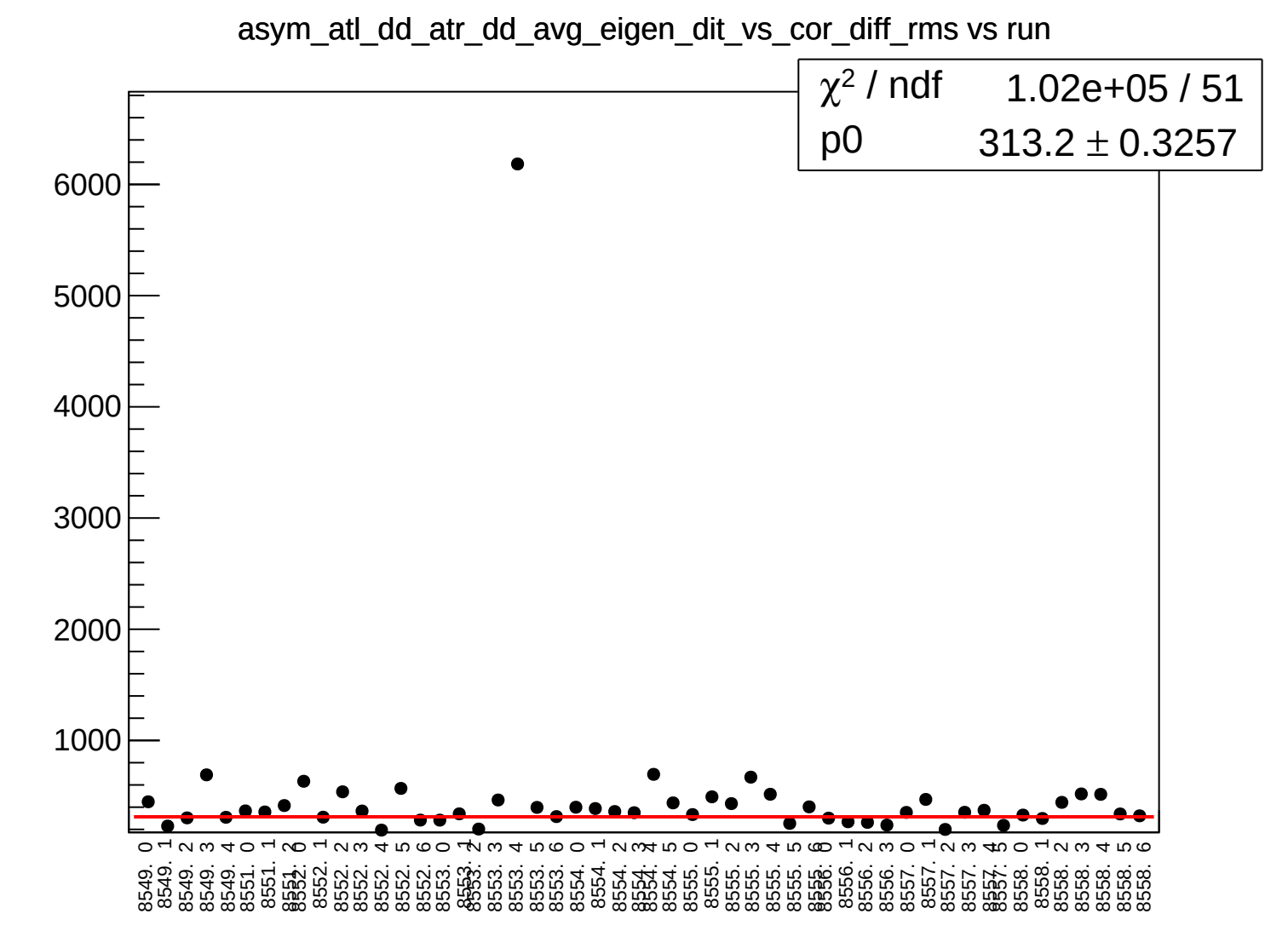

asym_atl_dd_atr_dd_avg_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.02e+05 / 51
p0 313.2 ± 0.3257
6000
5000
4000
3000
2000
1000
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

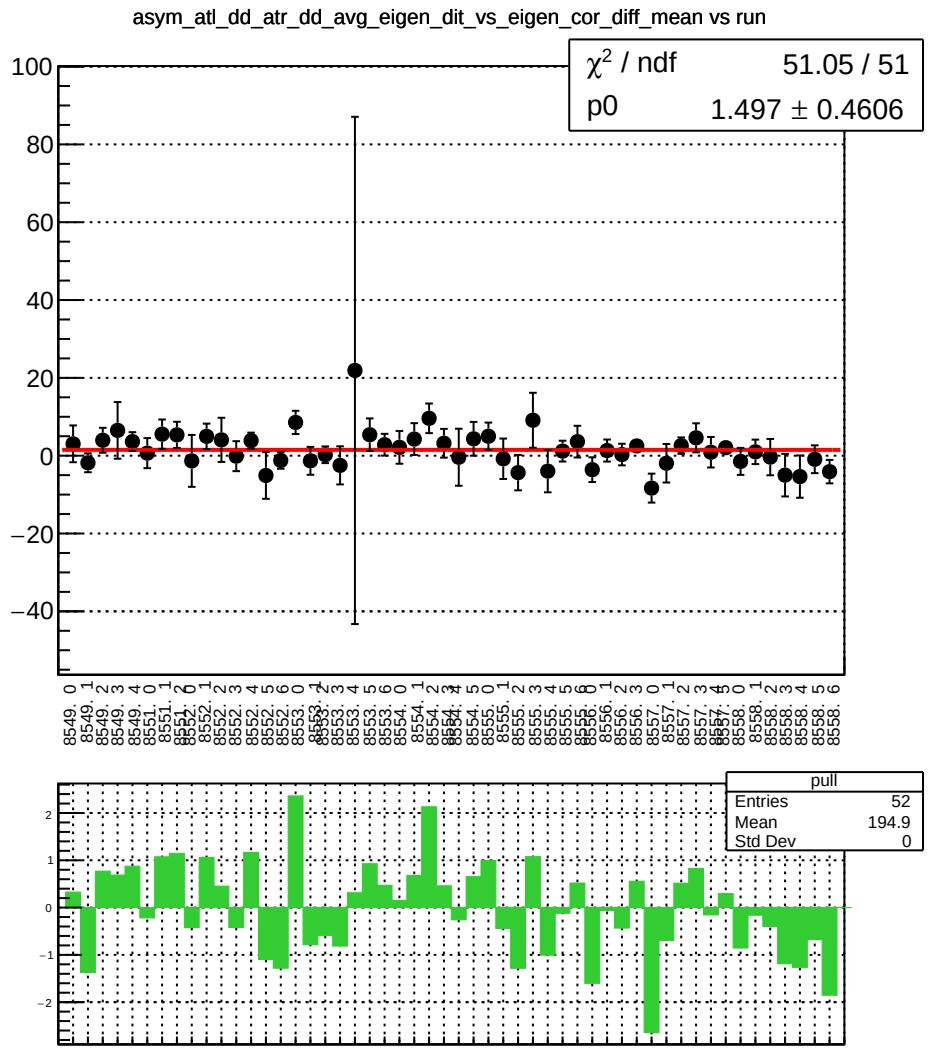

asym_atl_dd_atr_dd_avg_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 52.96 / 51
p0 −1.067e−06 ± 1.475e−06
pull
Entries 52
Mean 189.2
Std Dev 0

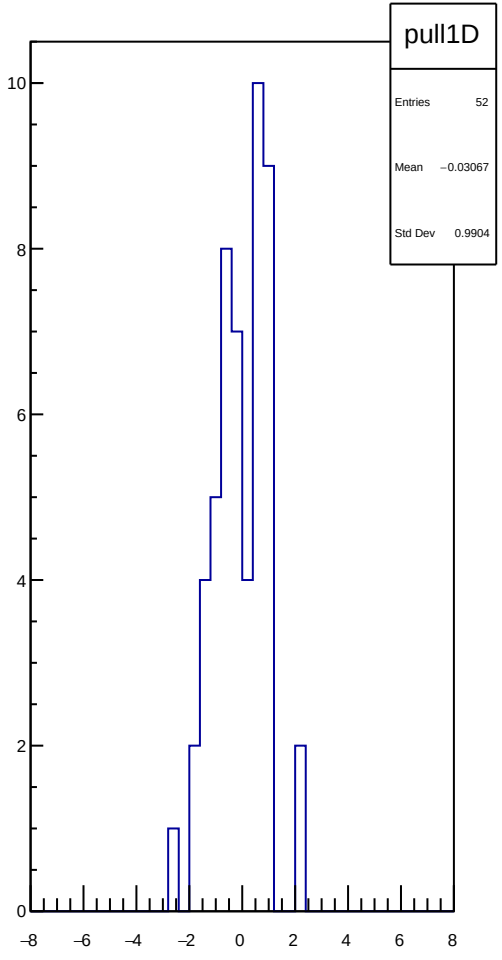

pull1D
Entries 52
Mean 0.003464
Std Dev 1.009

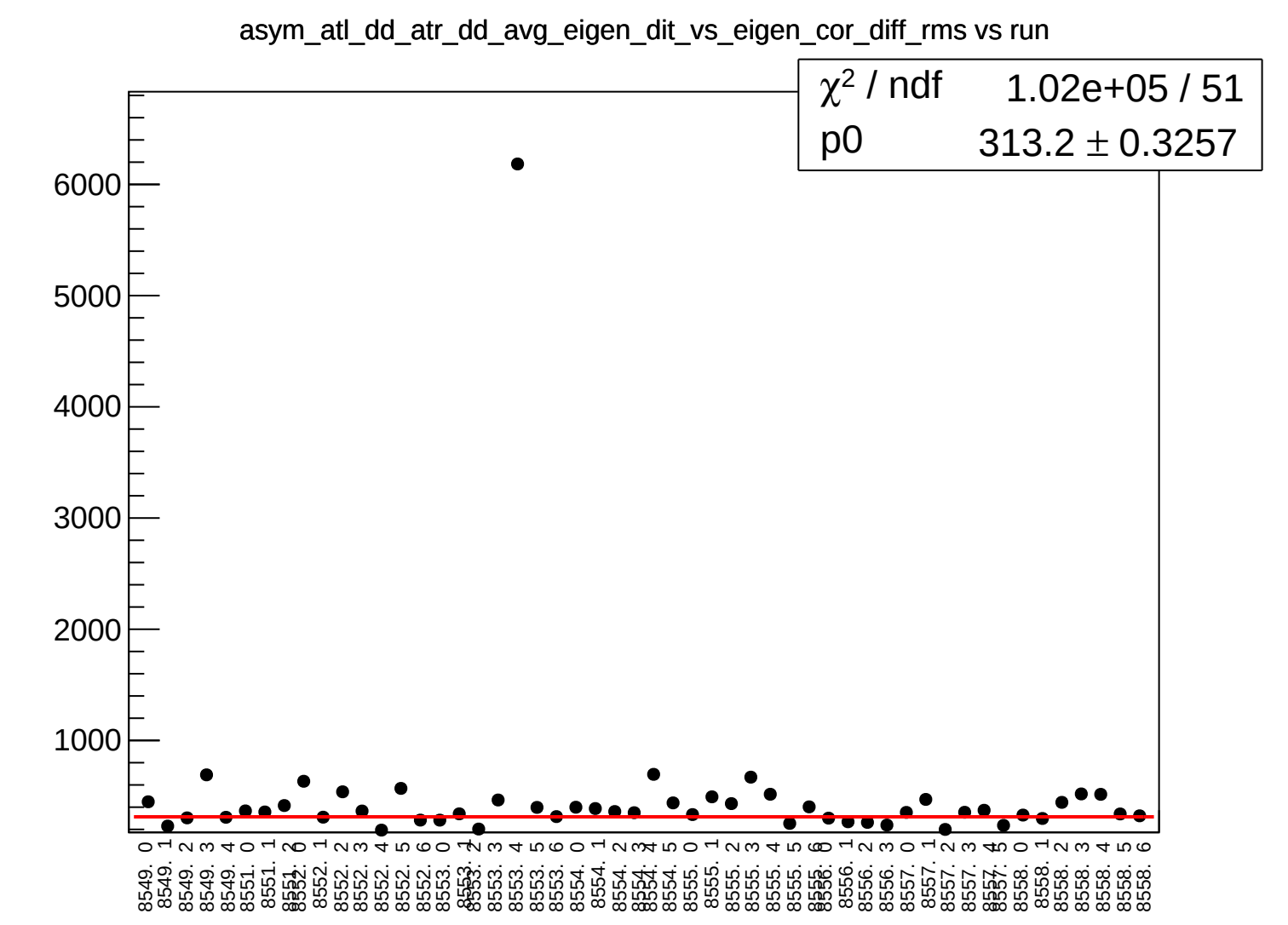

asym_atl_dd_atr_dd_avg_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 3339 / 51
p0 0.001055 ± 1.043e−06
0.0012
0.00115
0.0011
0.00105
0.001
0.00095
0.0009
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

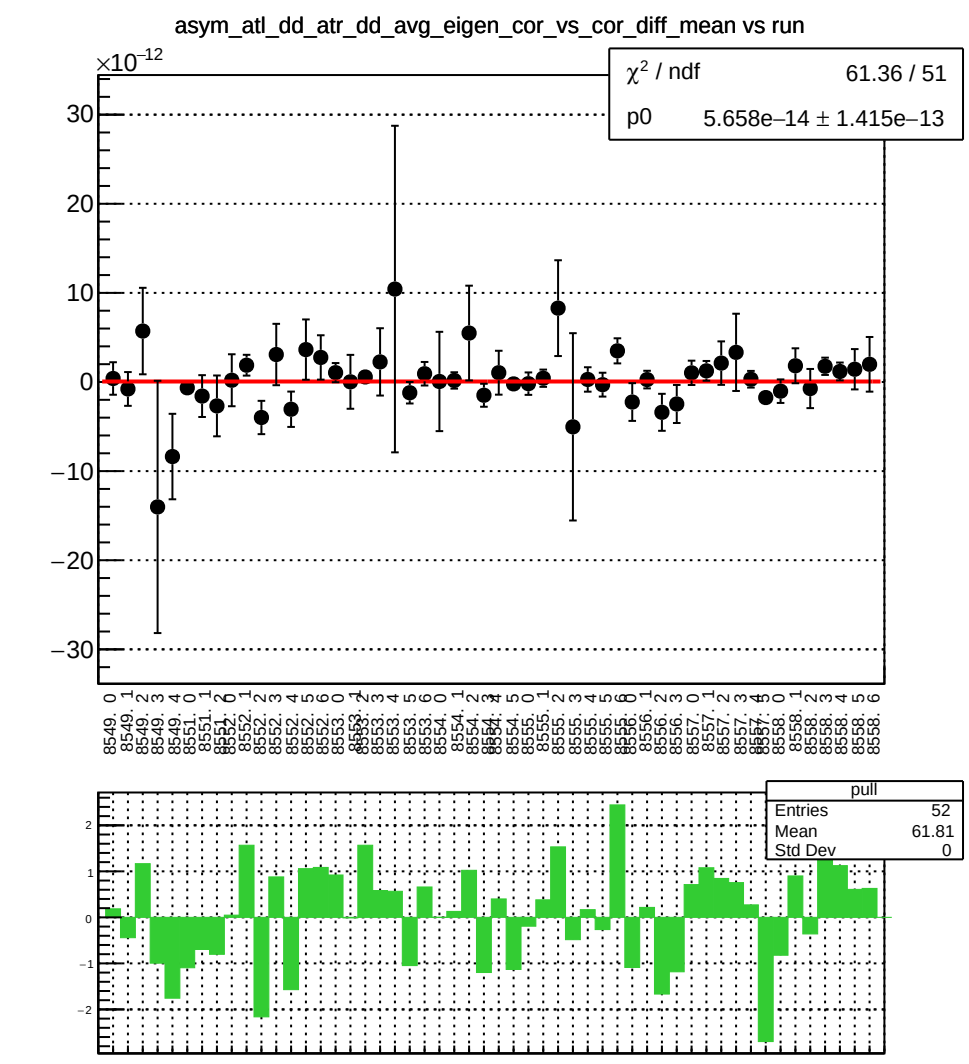

asym_atl_dd_atr_dd_avg_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 51.05 / 51
p0 1.497 ± 0.4606
pull
Entries 52
Mean 194.9
Std Dev 0
pull1D
Entries 52
Mean −0.03067
Std Dev 0.9904

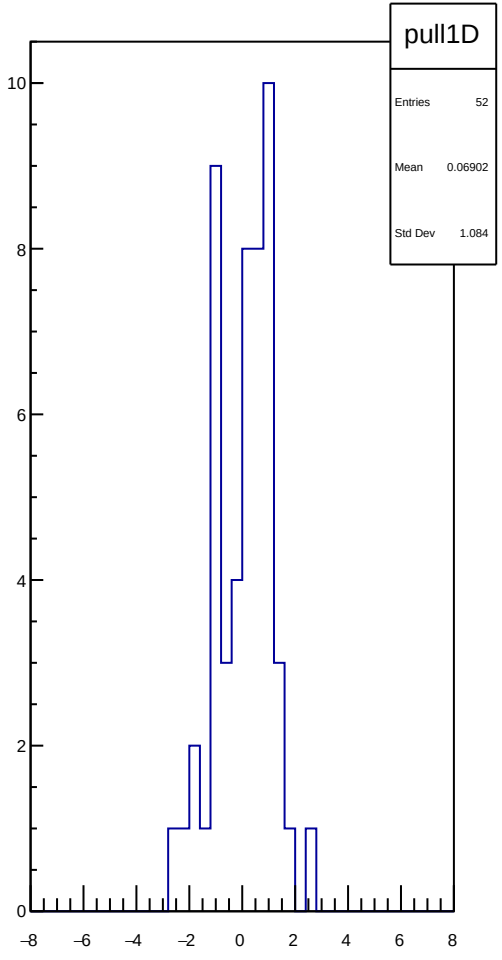

asym_atl_dd_atr_dd_avg_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 1.02e+05 / 51
p0 313.2 ± 0.3257
6000
5000
4000
3000
2000
1000
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 0
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 5
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

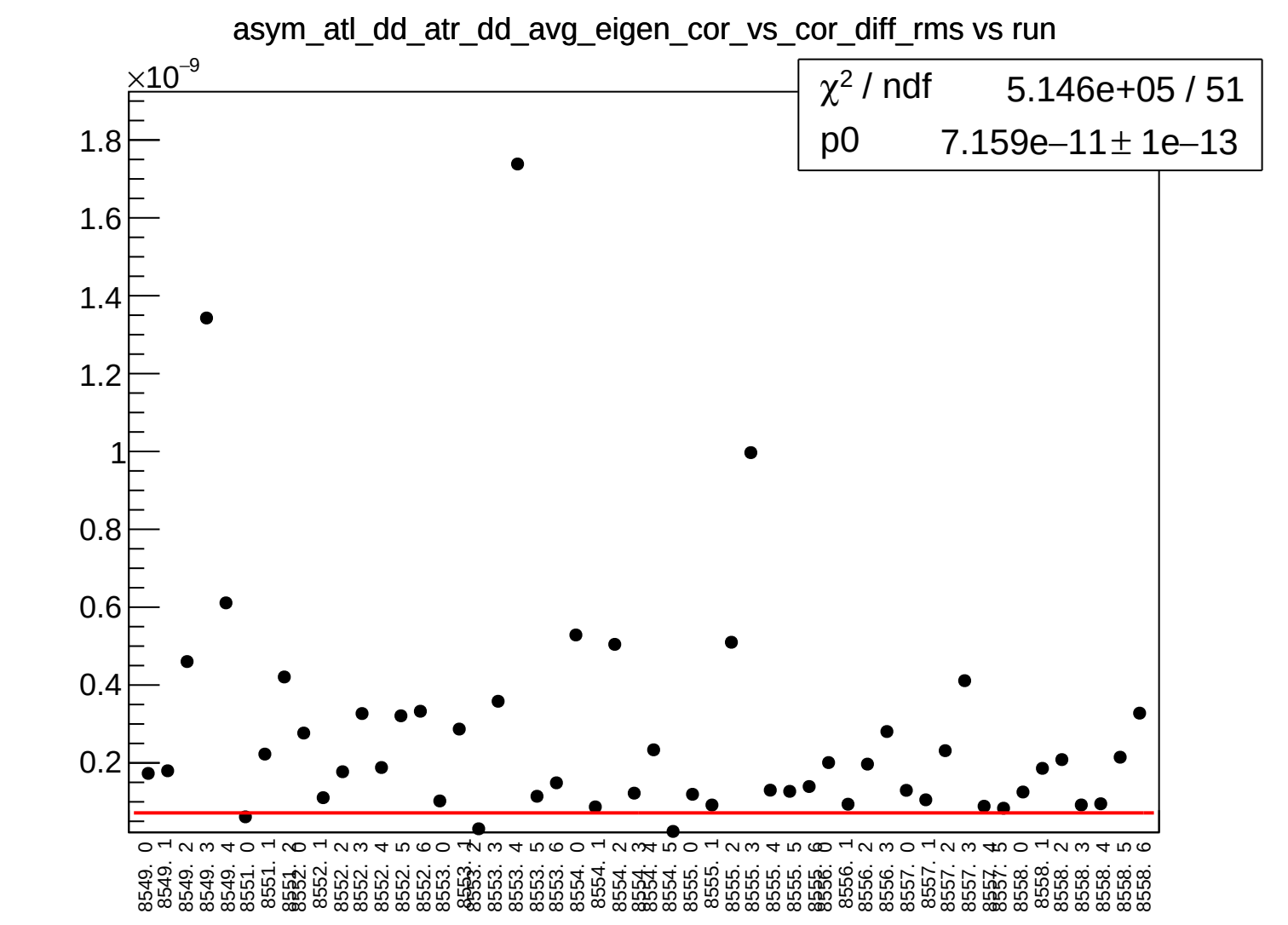

asym_atl_dd_atr_dd_avg_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 51.05 / 51
p0 1.497 ± 0.4606
pull
Entries 52
Mean 194.9
Std Dev 0

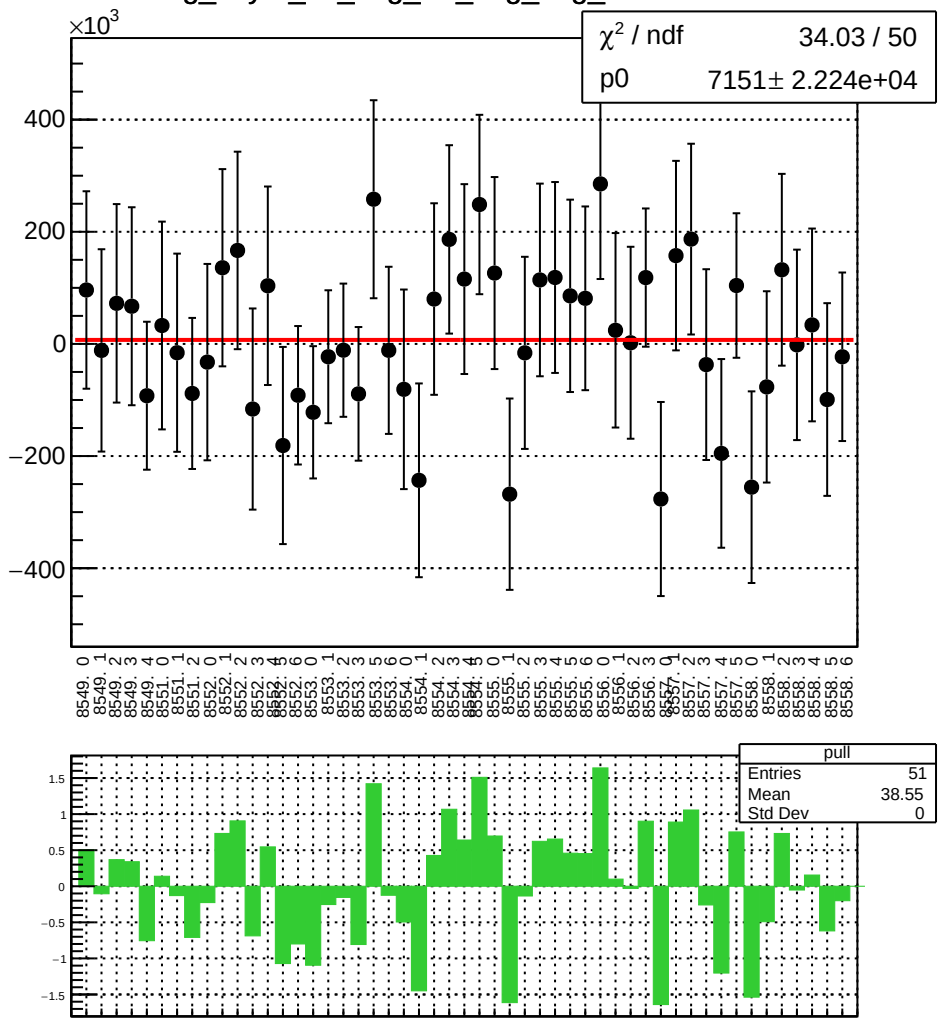

pull1D
Entries 52
Mean −0.03067
Std Dev 0.9904

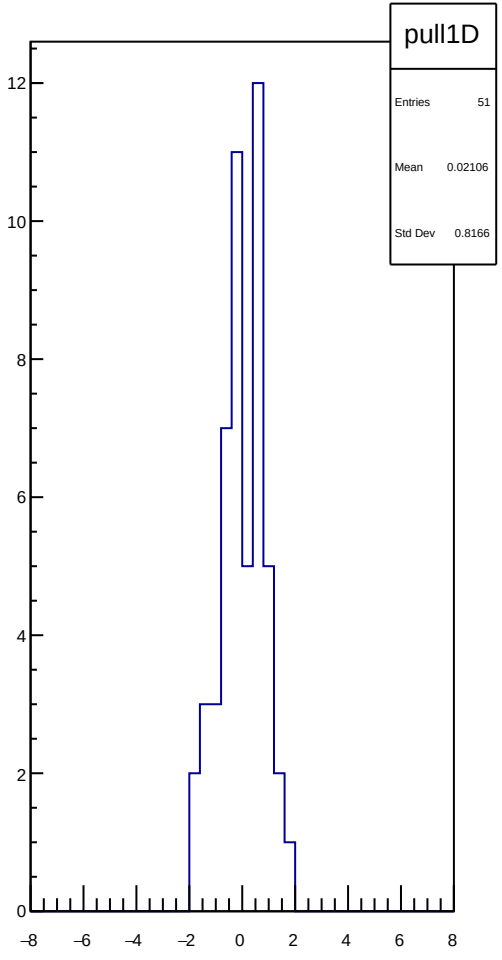

asym_atl_dd_atr_dd_avg_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.02e+05 / 51
p0 313.2 ± 0.3257
6000
5000
4000
3000
2000
1000
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

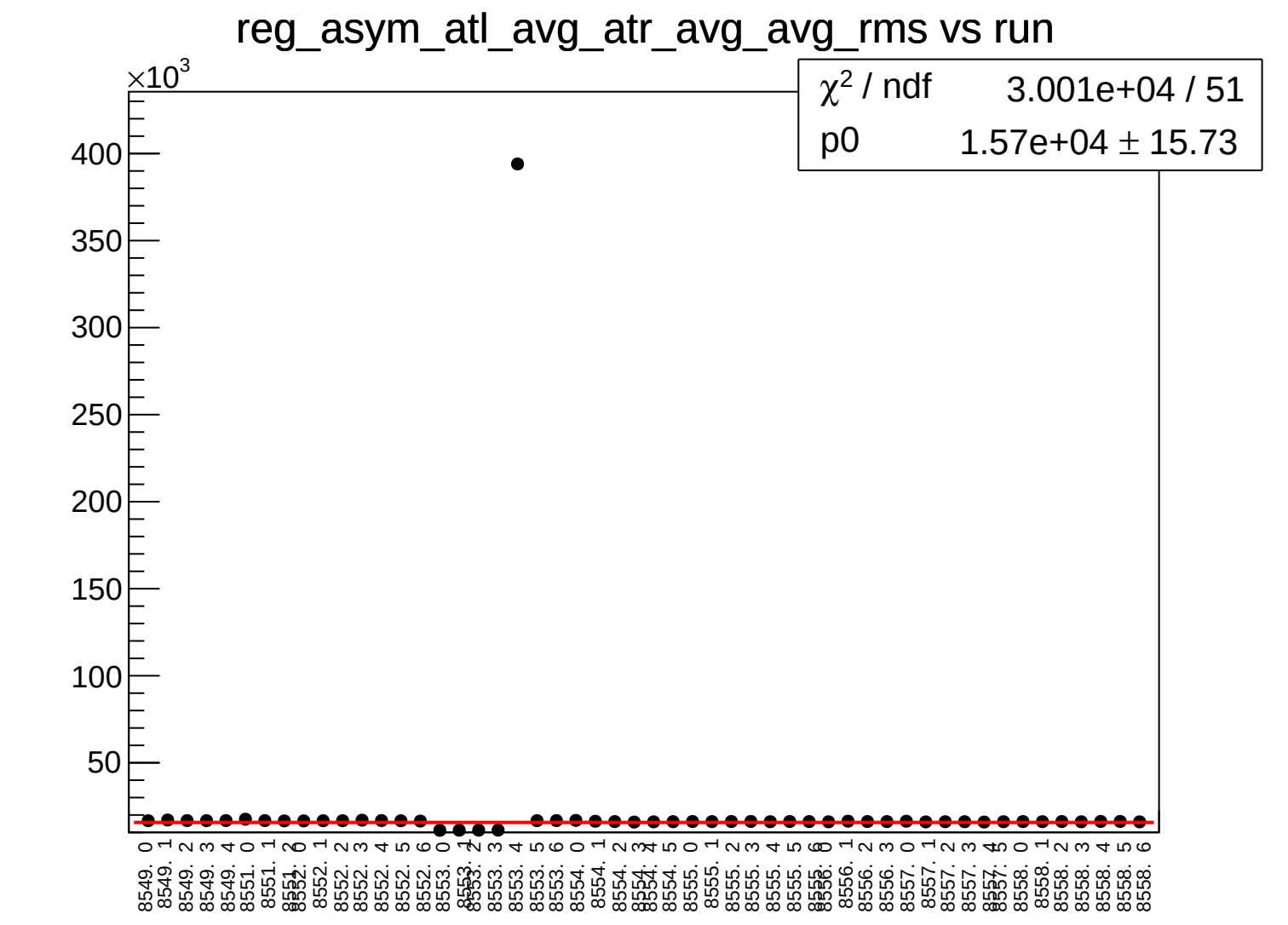

asym_atl_dd_atr_dd_avg_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 61.36 / 51
p0 5.658e−14 ± 1.415e−13
pull
Entries 52
Mean 61.81
Std Dev 0

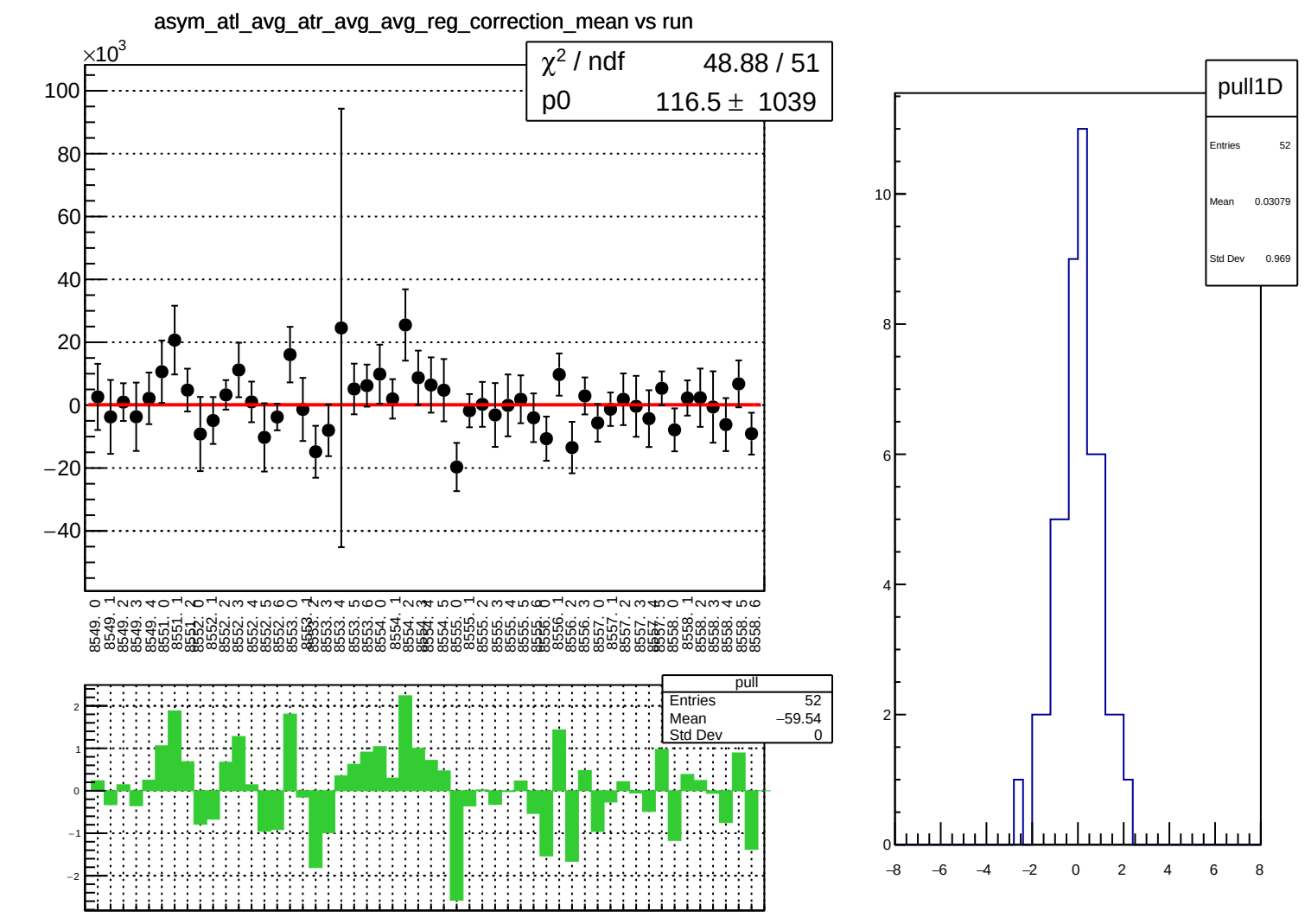

pull1D
Entries 52
Mean 0.06902
Std Dev 1.084

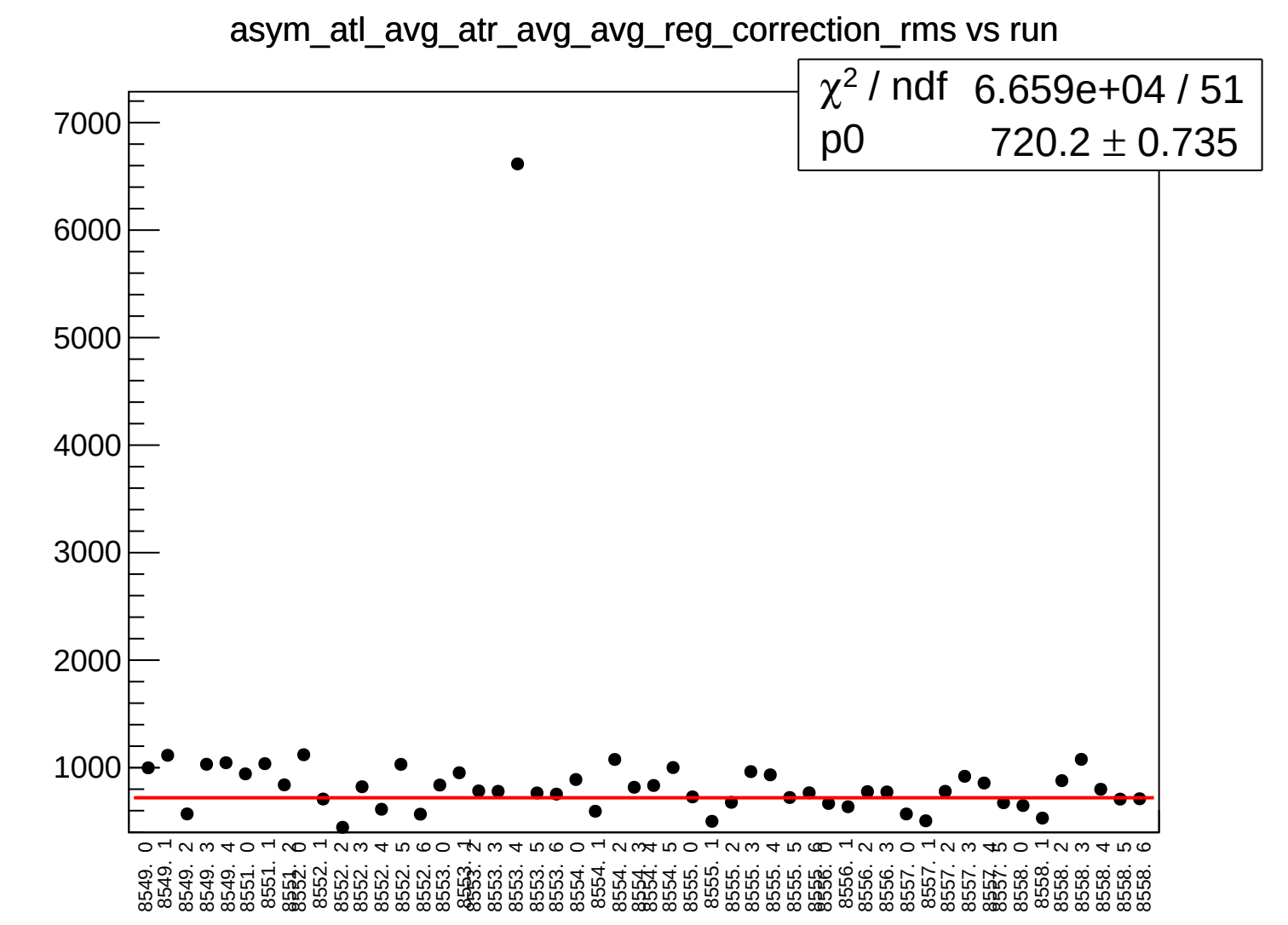

asym_atl_dd_atr_dd_avg_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 5.146e+05 / 51
p0 7.159e−11 ± 1e−13
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6


reg_asym_atl_avg_atr_avg_avg_mean vs run
×10^3
χ² / ndf 34.03 / 50
p0 7151± 2.224e+04
400
200
0
−200
−400
pull
Entries 51
Mean 38.55
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5


pull1D
Entries 51
Mean 0.02106
Std Dev 0.8166
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


reg_asym_atl_avg_atr_avg_avg_rms vs run
×10^3
400
350
300
250
200
150
100
50
χ² / ndf 3.001e+04 / 51
p0 1.57e+04 ± 15.73
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 5
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6


asym_atl_avg_atr_avg_avg_reg_correction_mean vs run
×10^3
χ² / ndf 48.88 / 51
p0 116.5 ± 1039
pull
Entries 52
Mean −59.54
Std Dev 0
pull1D
Entries 52
Mean 0.03079
Std Dev 0.969


asym_atl_avg_atr_avg_avg_reg_correction_rms vs run
χ² / ndf 6.659e+04 / 51
p0 720.2 ± 0.735
7000
6000
5000
4000
3000
2000
1000
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
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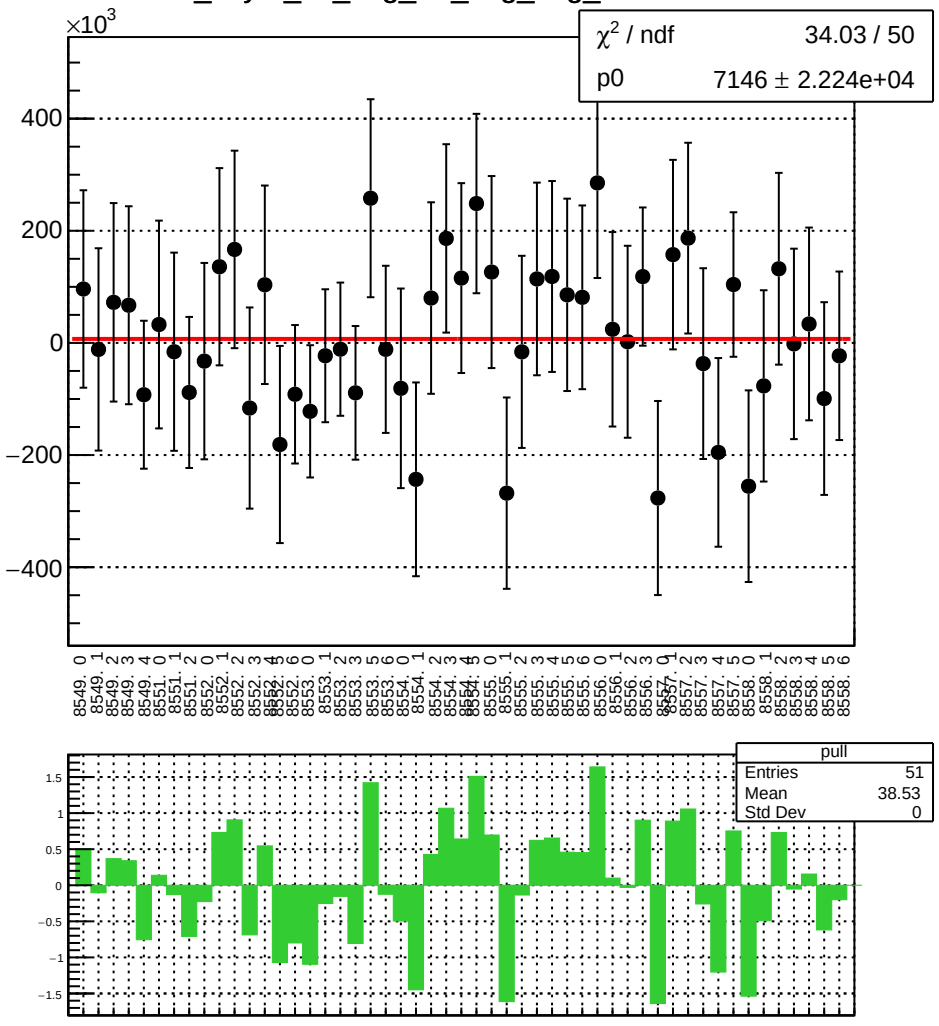
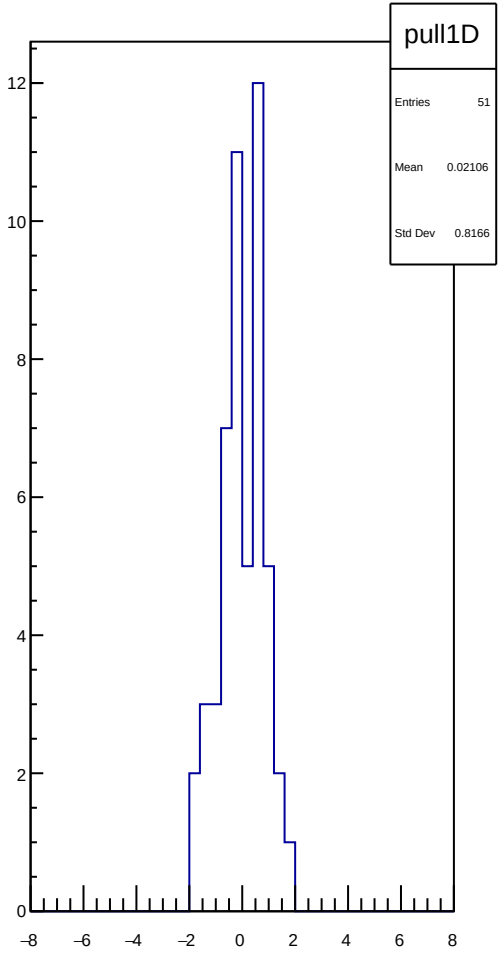
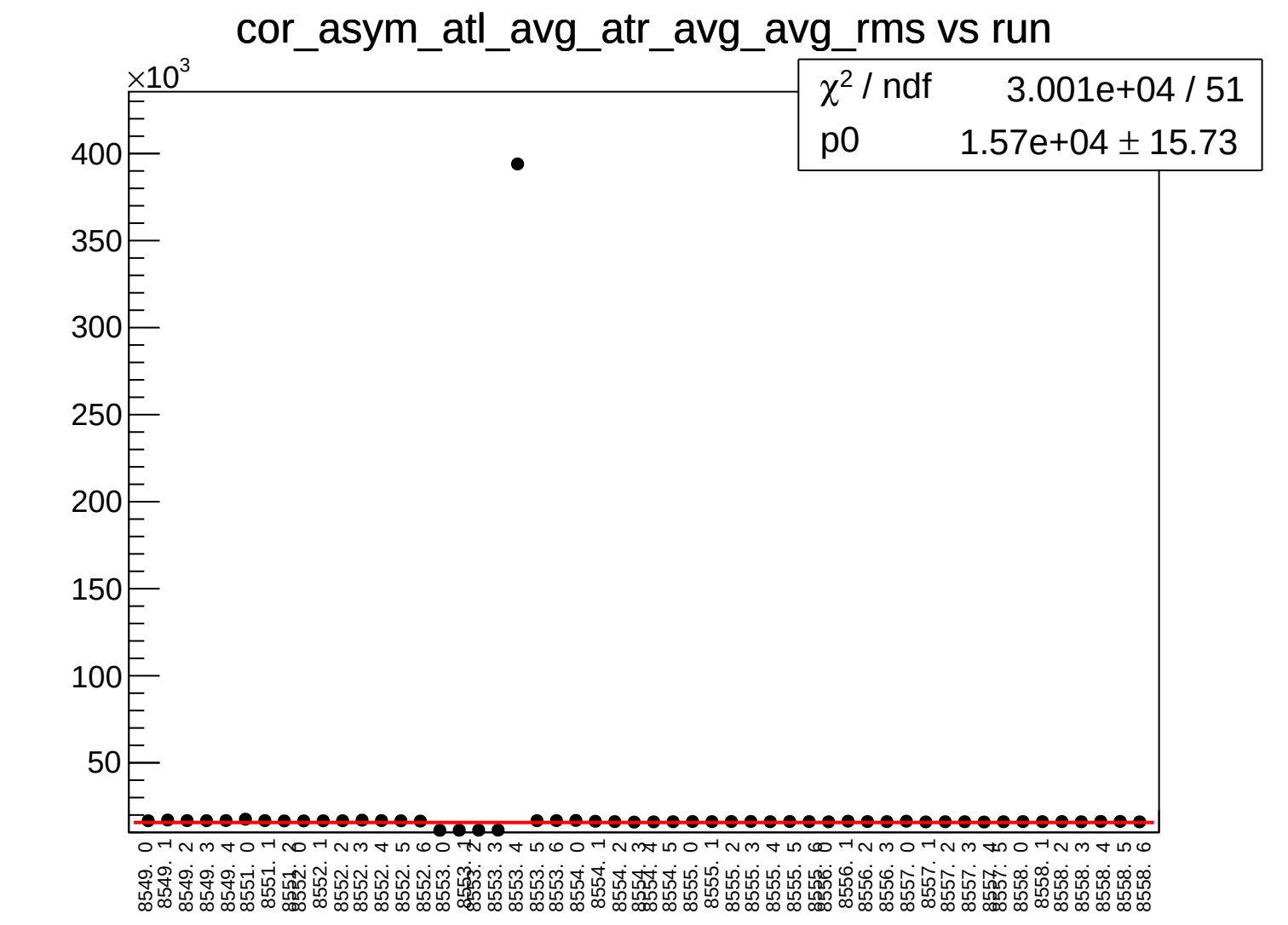
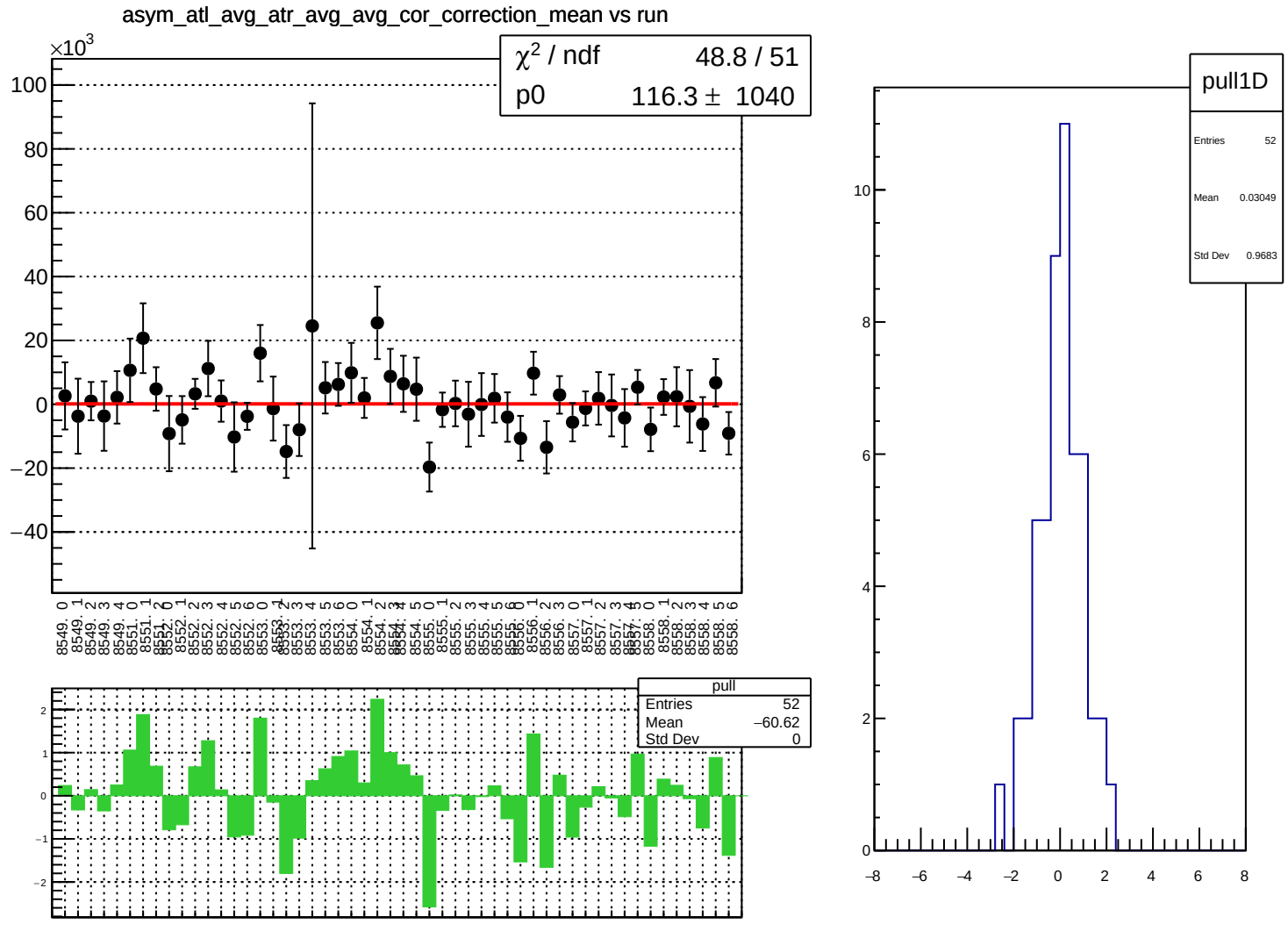
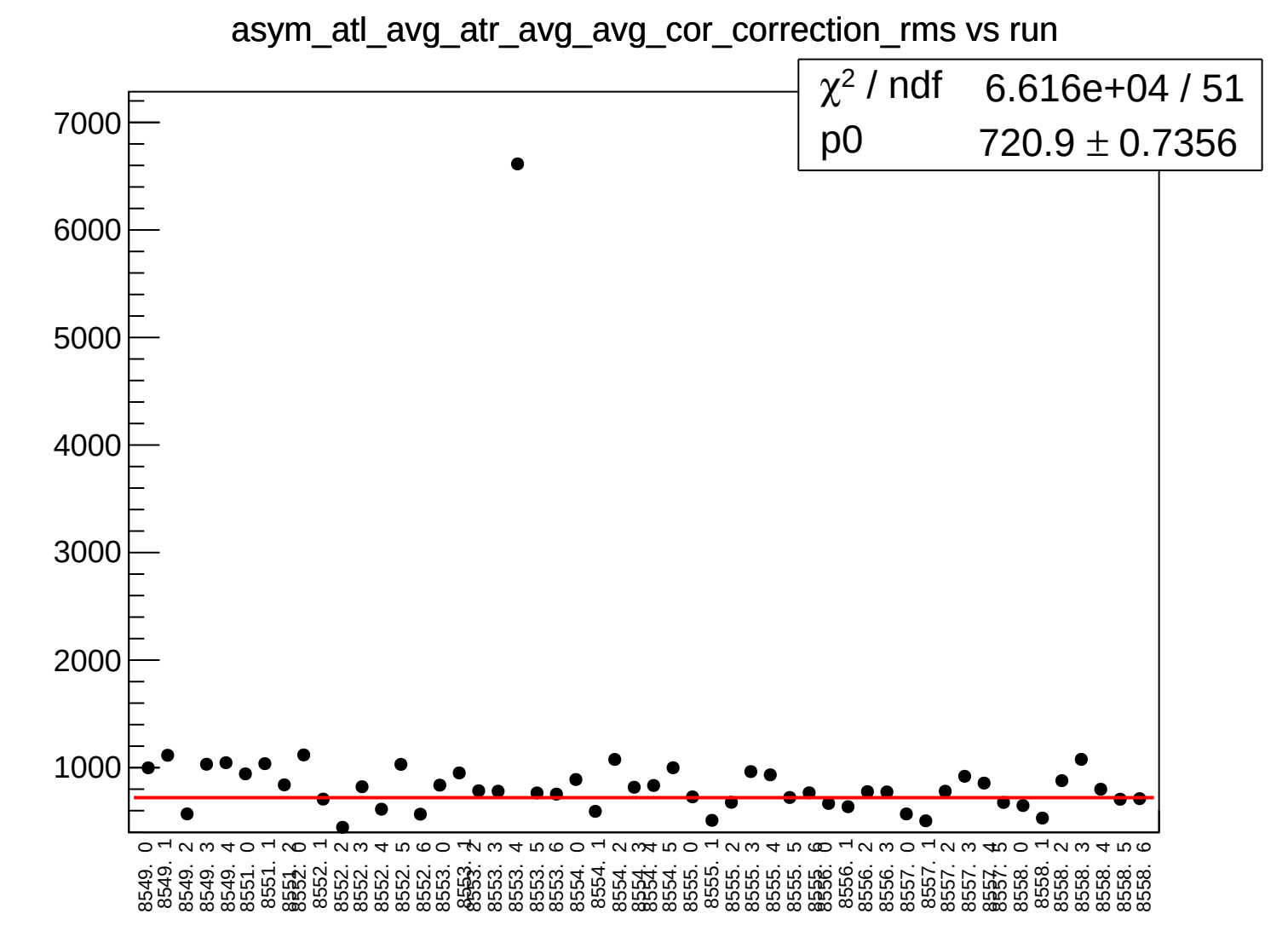
8558. 5
8558. 6


cor_asym_atl_avg_atr_avg_avg_mean vs run
×10^3
χ² / ndf 34.03 / 50
p0 7146 ± 2.224e+04
400
200
0
−200
−400
pull
Entries 51
Mean 38.53
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5


pull1D
Entries 51
Mean 0.02106
Std Dev 0.8166
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


cor_asym_atl_avg_atr_avg_avg_rms vs run
×10^3
400
350
300
250
200
150
100
50
χ² / ndf 3.001e+04 / 51
p0 1.57e+04 ± 15.73
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6


asym_atl_avg_atr_avg_avg_cor_correction_mean vs run
×10^3
χ² / ndf 48.8 / 51
p0 116.3 ± 1040
pull
Entries 52
Mean −60.62
Std Dev 0
pull1D
Entries 52
Mean 0.03049
Std Dev 0.9683


asym_atl_avg_atr_avg_avg_cor_correction_rms vs run
χ² / ndf 6.616e+04 / 51
p0 720.9 ± 0.7356
7000
6000
5000
4000
3000
2000
1000
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
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8557. 3
8558. 0
8558. 1
8558. 2
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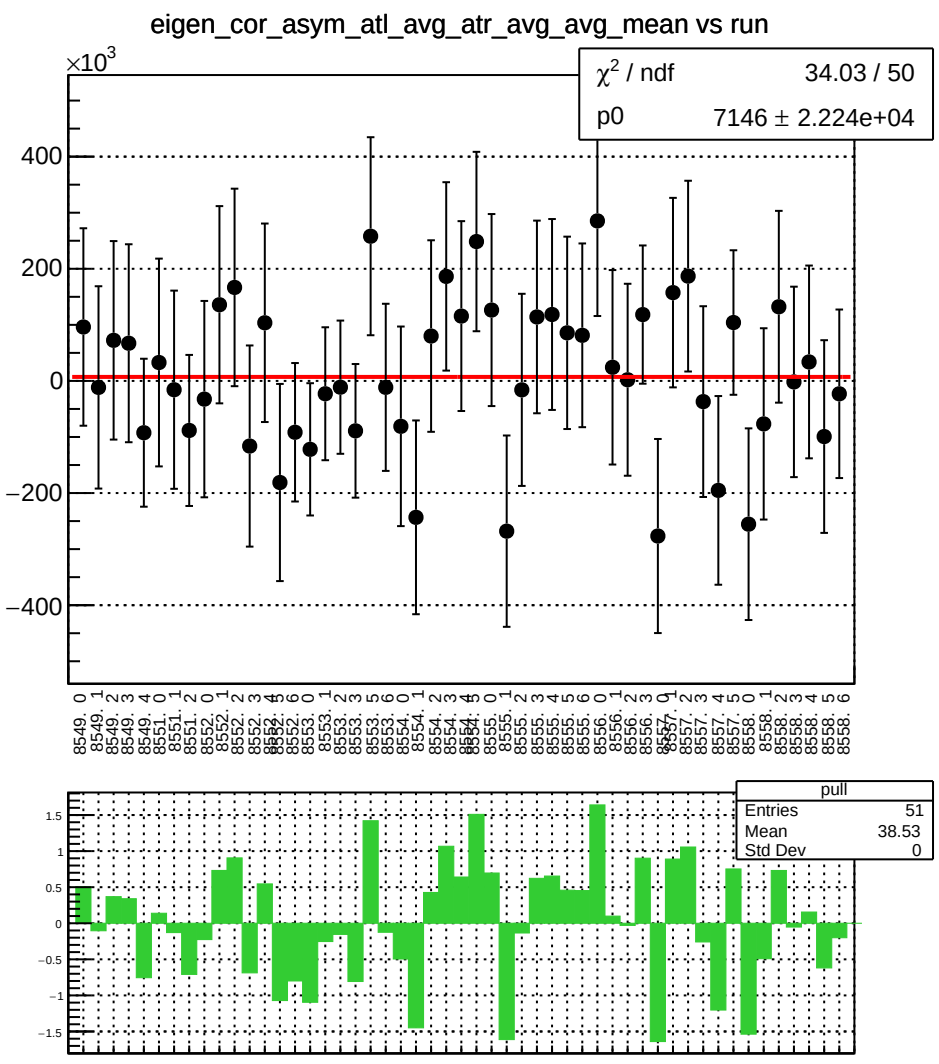
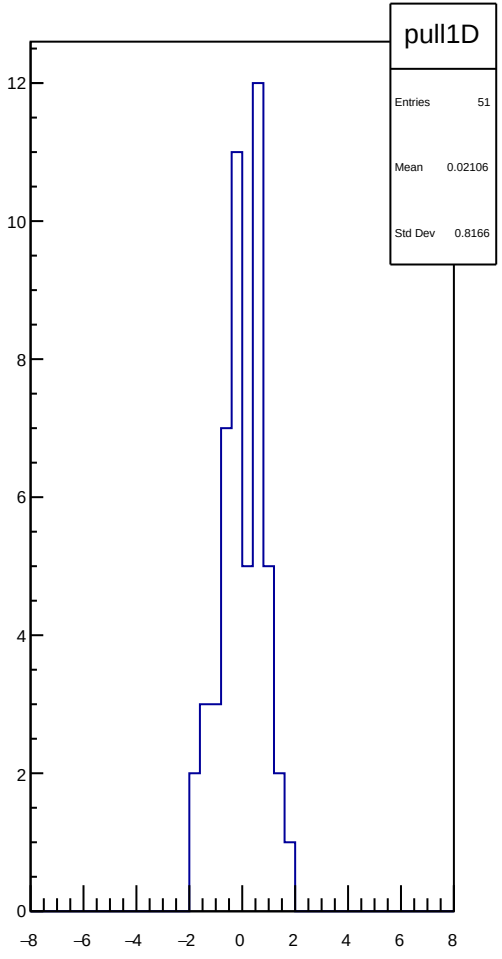
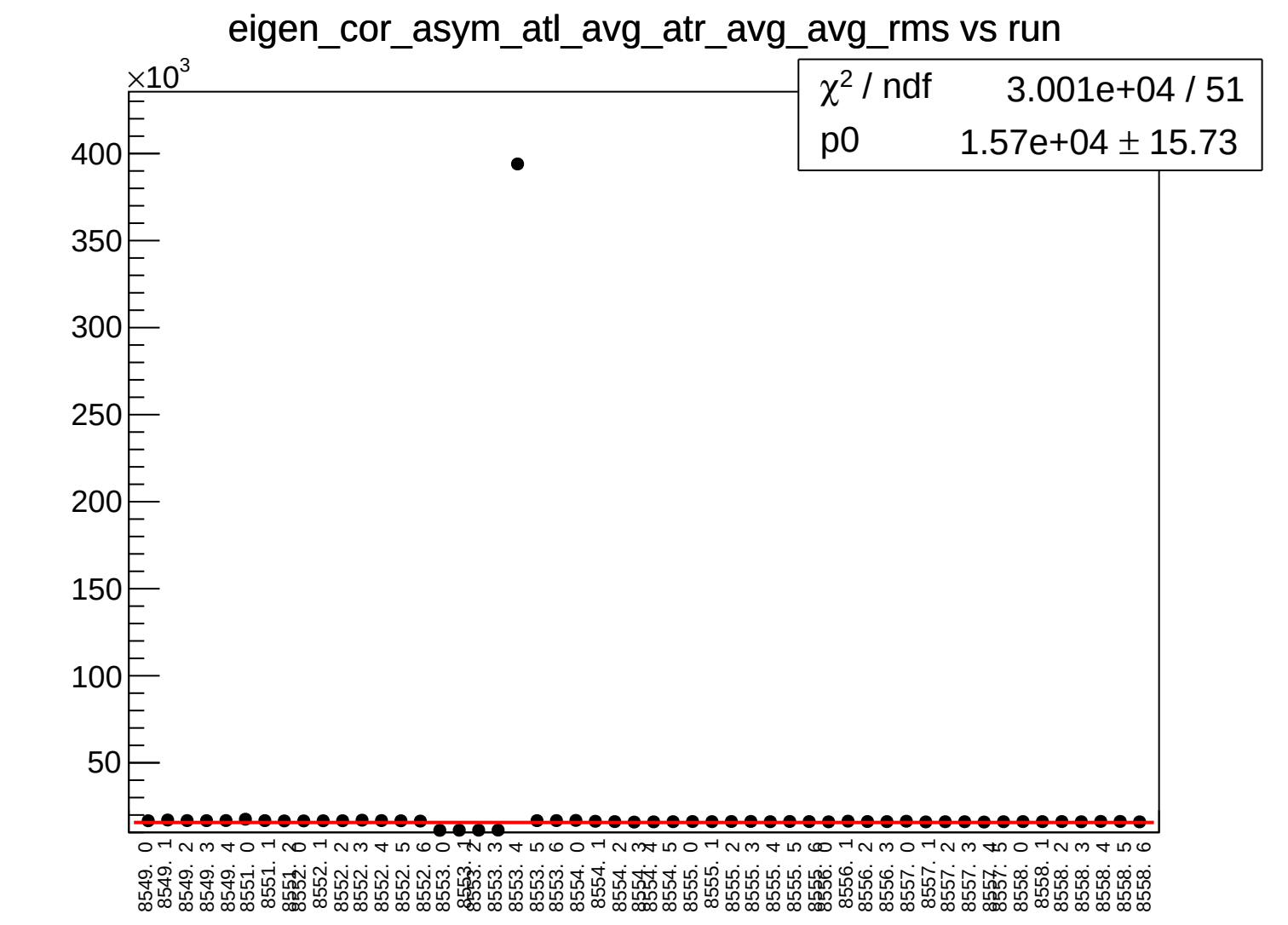
8558. 5
8558. 6


eigen_cor_asym_atl_avg_atr_avg_avg_mean vs run
×10^3
χ² / ndf 34.03 / 50
p0 7146 ± 2.224e+04
400
200
0
−200
−400
pull
Entries 51
Mean 38.53
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5


pull1D
Entries 51
Mean 0.02106
Std Dev 0.8166
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


eigen_cor_asym_atl_avg_atr_avg_avg_rms vs run
×10^3
400
350
300
250
200
150
100
50
χ² / ndf 3.001e+04 / 51
p0 1.57e+04 ± 15.73
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
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8557. 3
8558. 0
8558. 1
8558. 2
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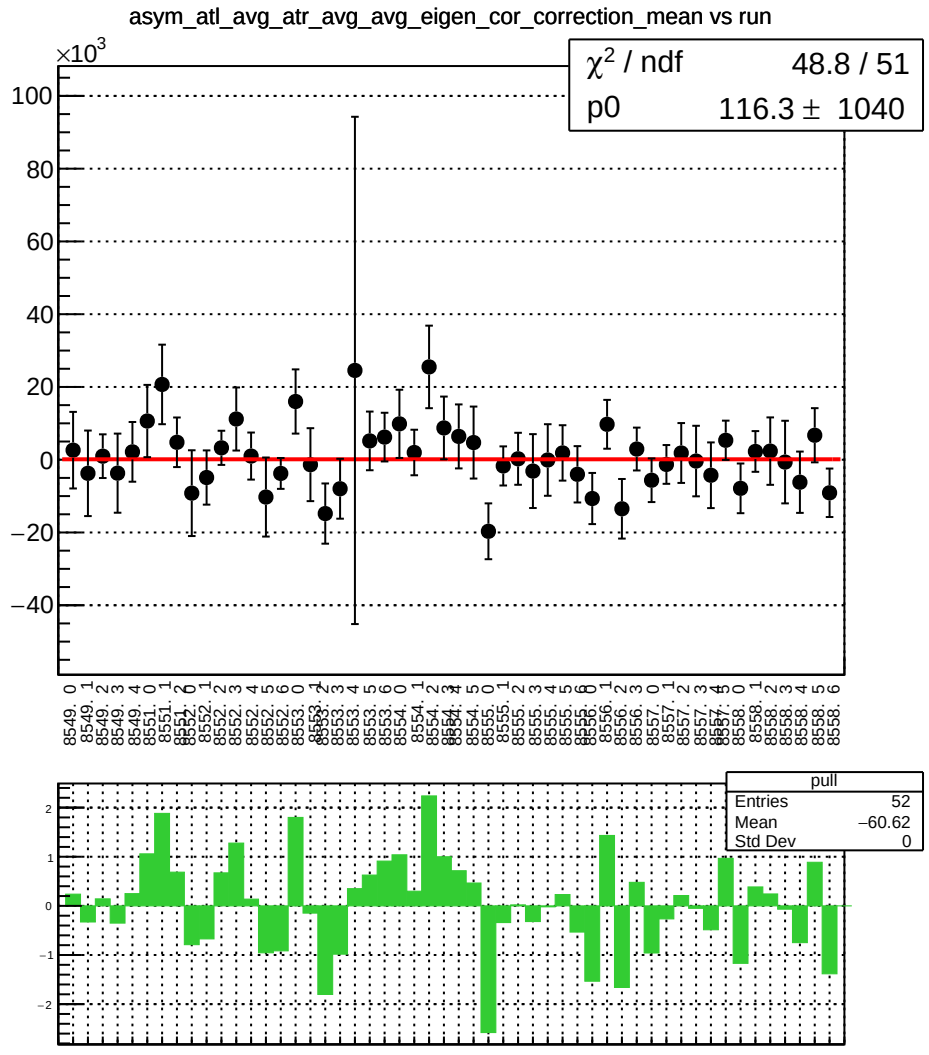
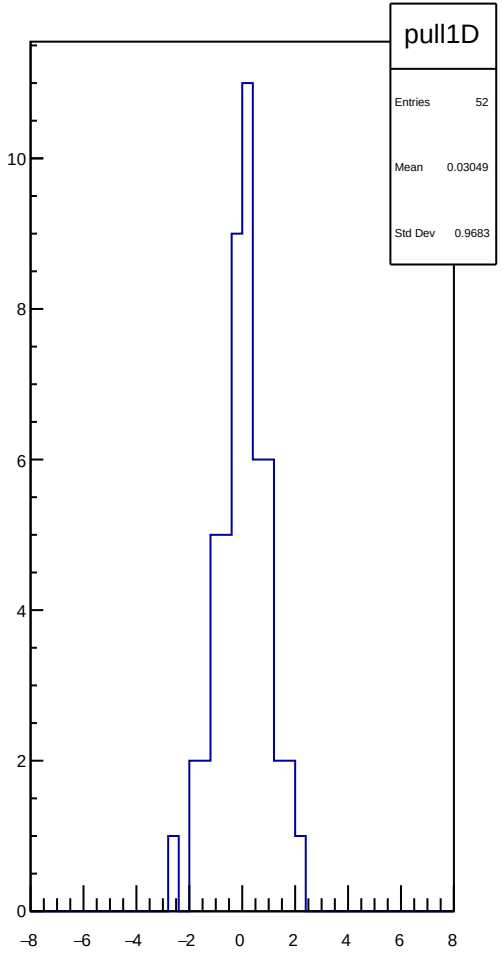
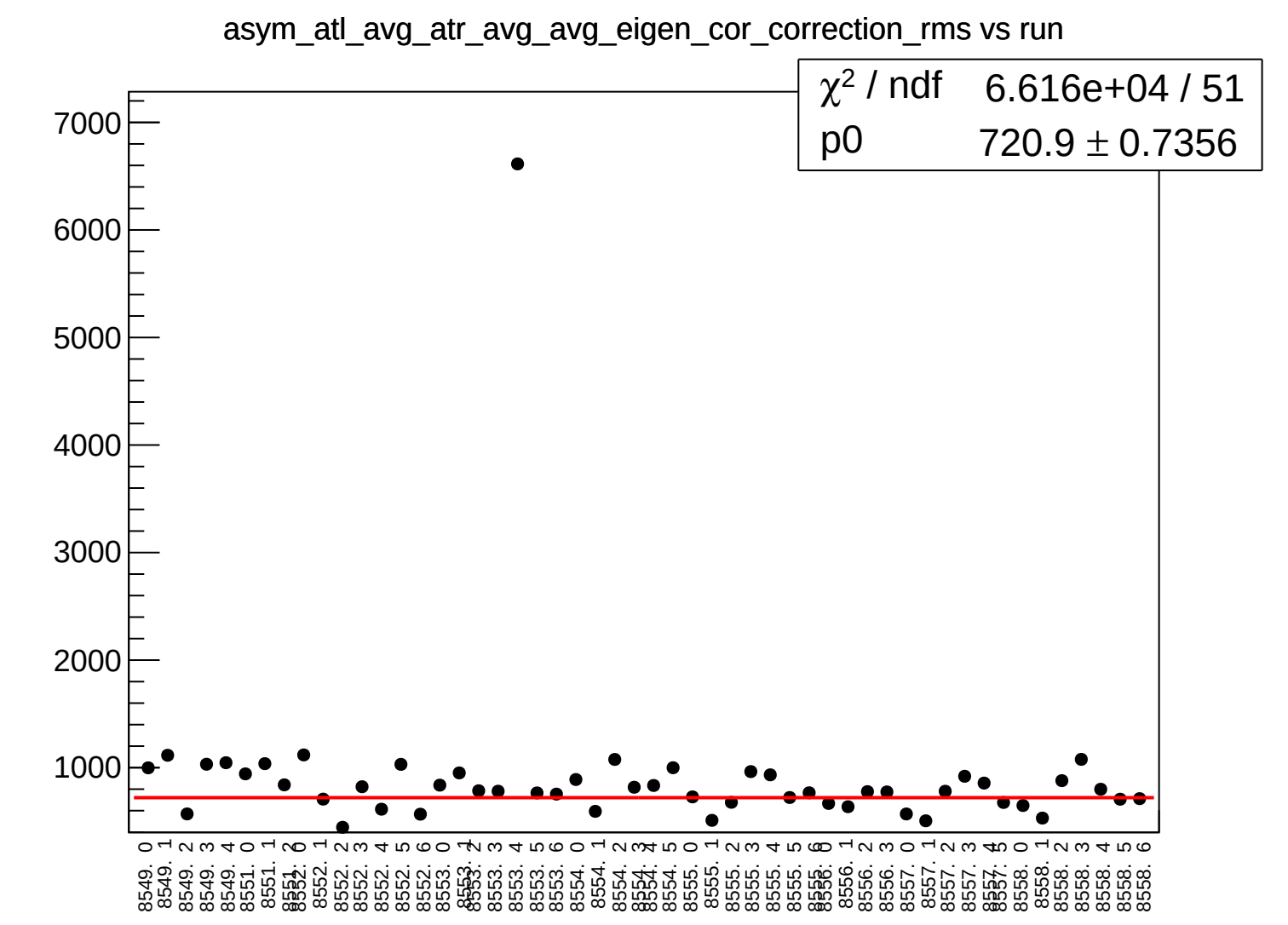
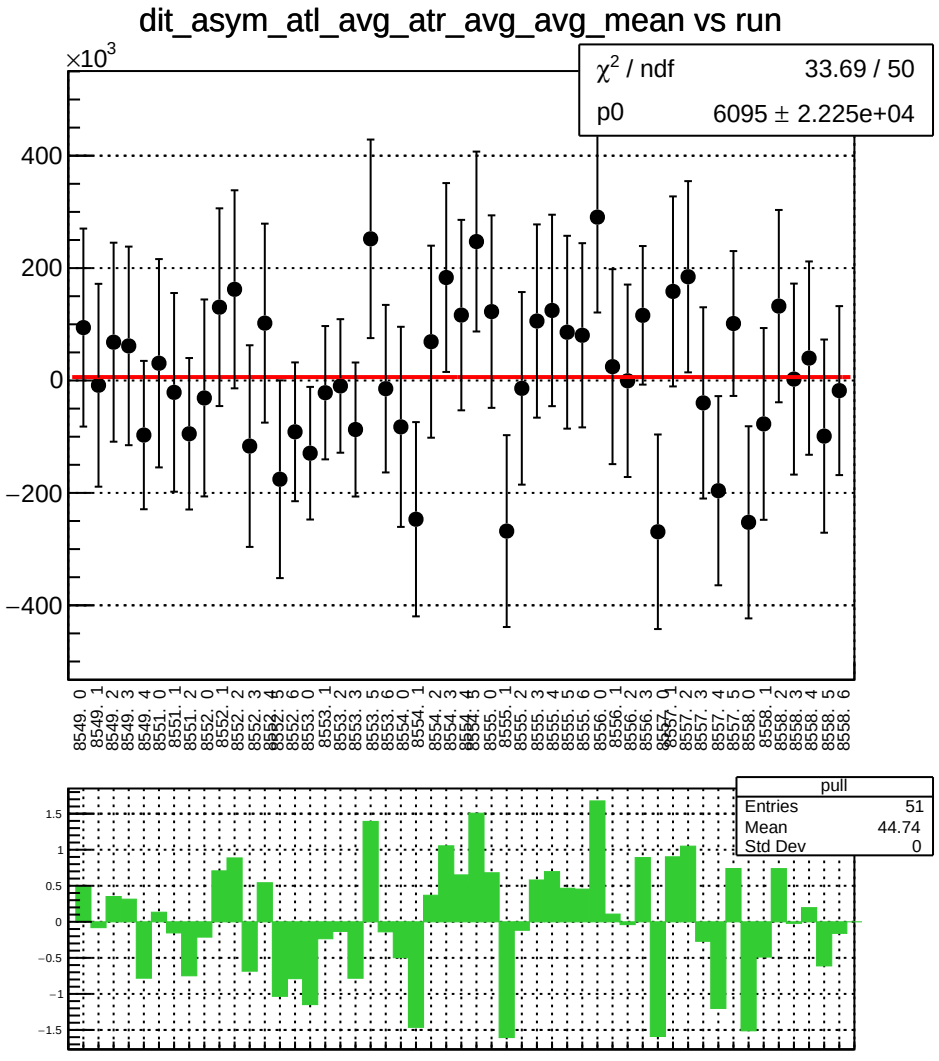
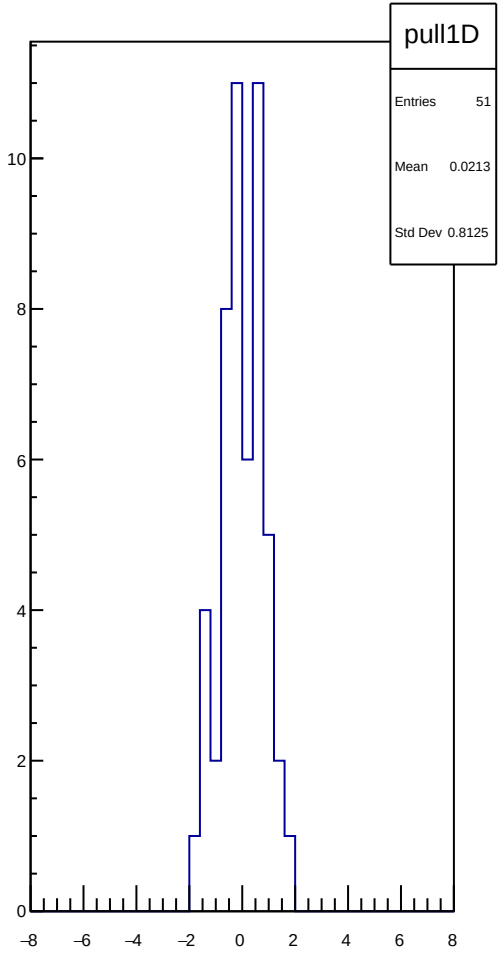
8558. 5
8558. 6

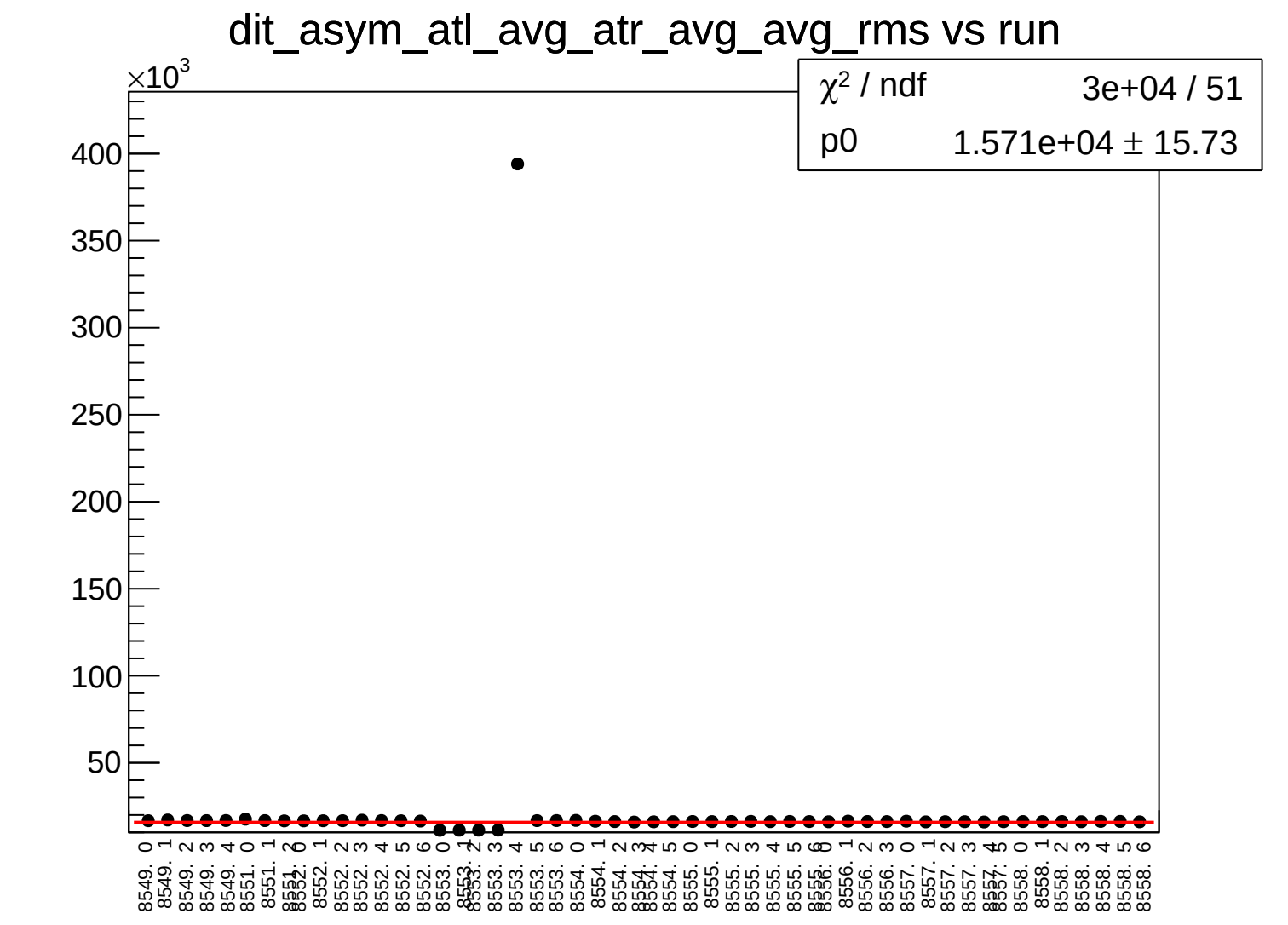

asym_atl_avg_atr_avg_avg_eigen_cor_correction_mean vs run
×10^3
χ² / ndf 48.8 / 51
p0 116.3 ± 1040
pull
Entries 52
Mean −60.62
Std Dev 0

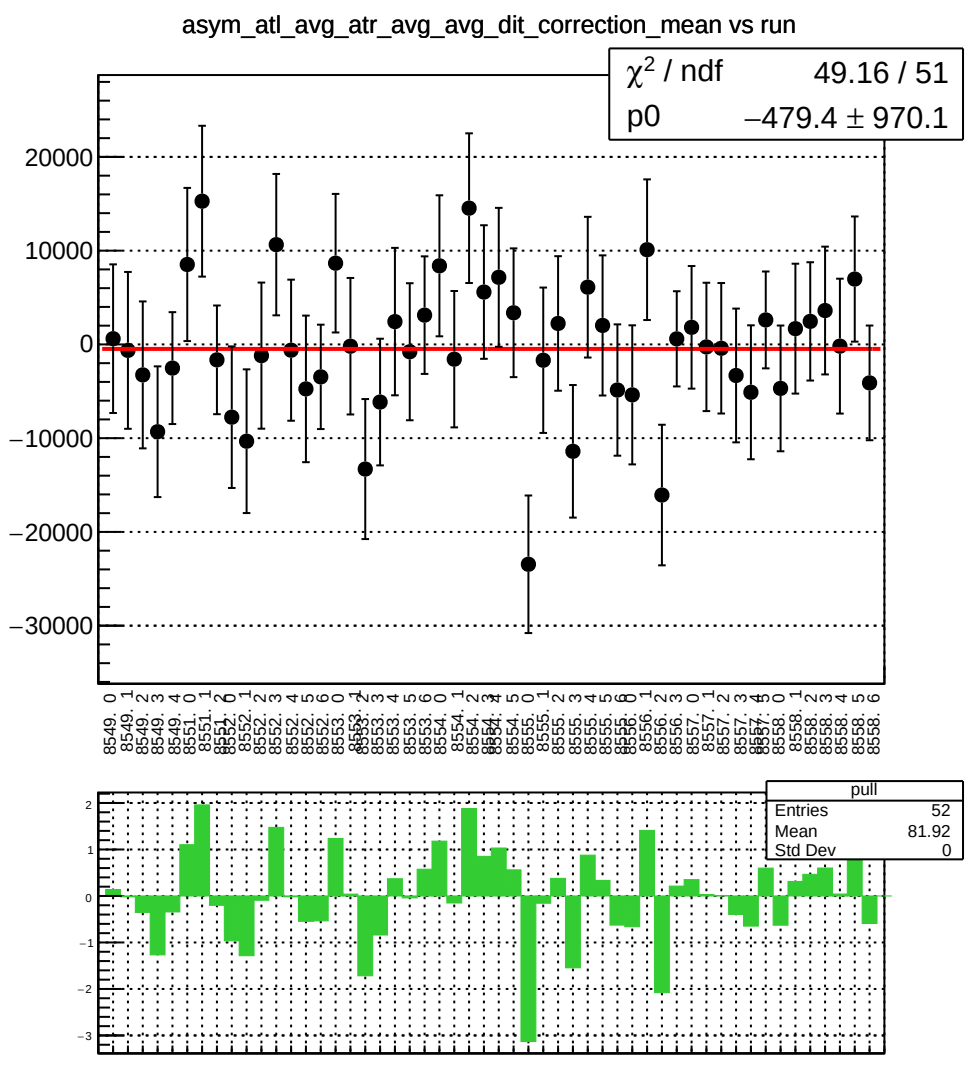

pull1D
Entries 52
Mean 0.03049
Std Dev 0.9683

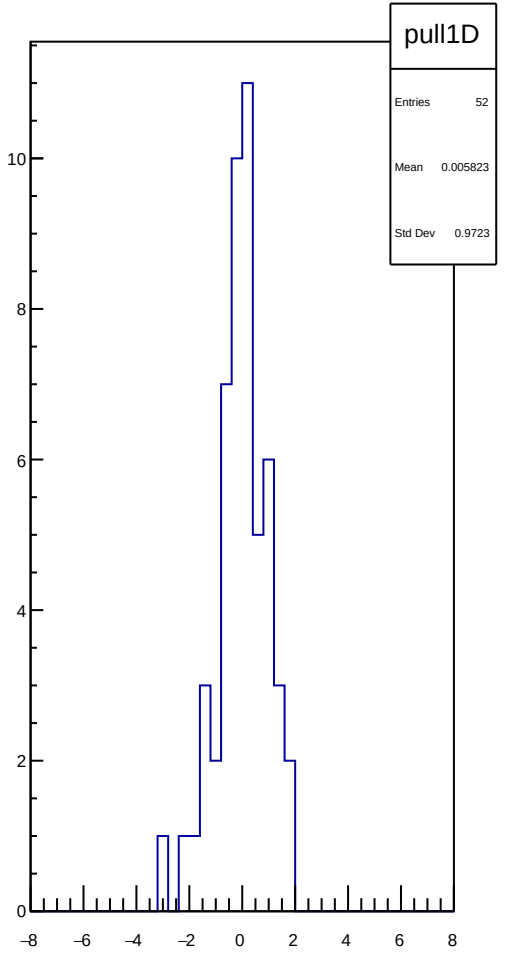

asym_atl_avg_atr_avg_avg_eigen_cor_correction_rms vs run
χ² / ndf 6.616e+04 / 51
p0 720.9 ± 0.7356
7000
6000
5000
4000
3000
2000
1000
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

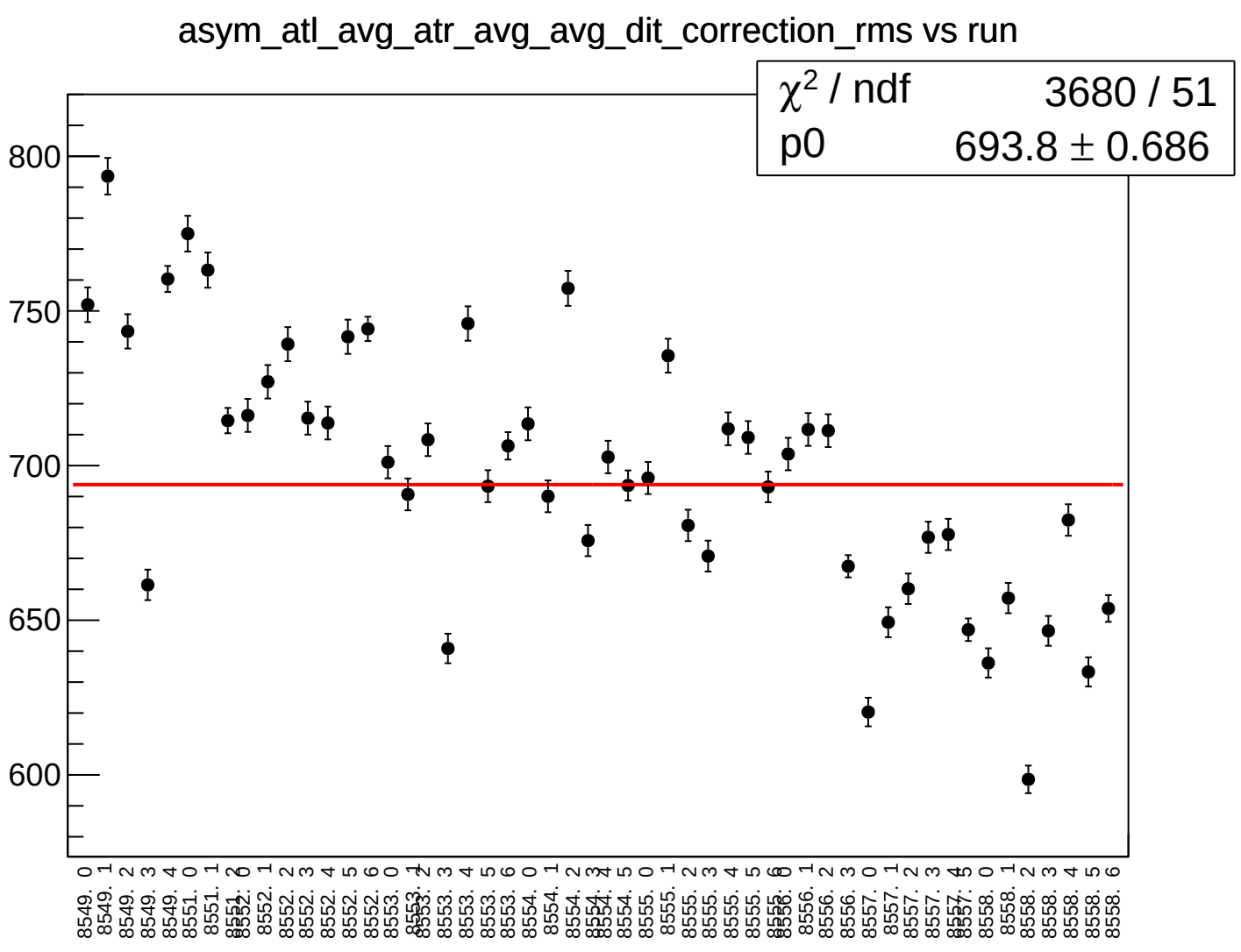

dit_asym_atl_avg_atr_avg_avg_mean vs run
×10^3
χ² / ndf 33.69 / 50
p0 6095 ± 2.225e+04
400
200
0
−200
−400
pull
Entries 51
Mean 44.74
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5

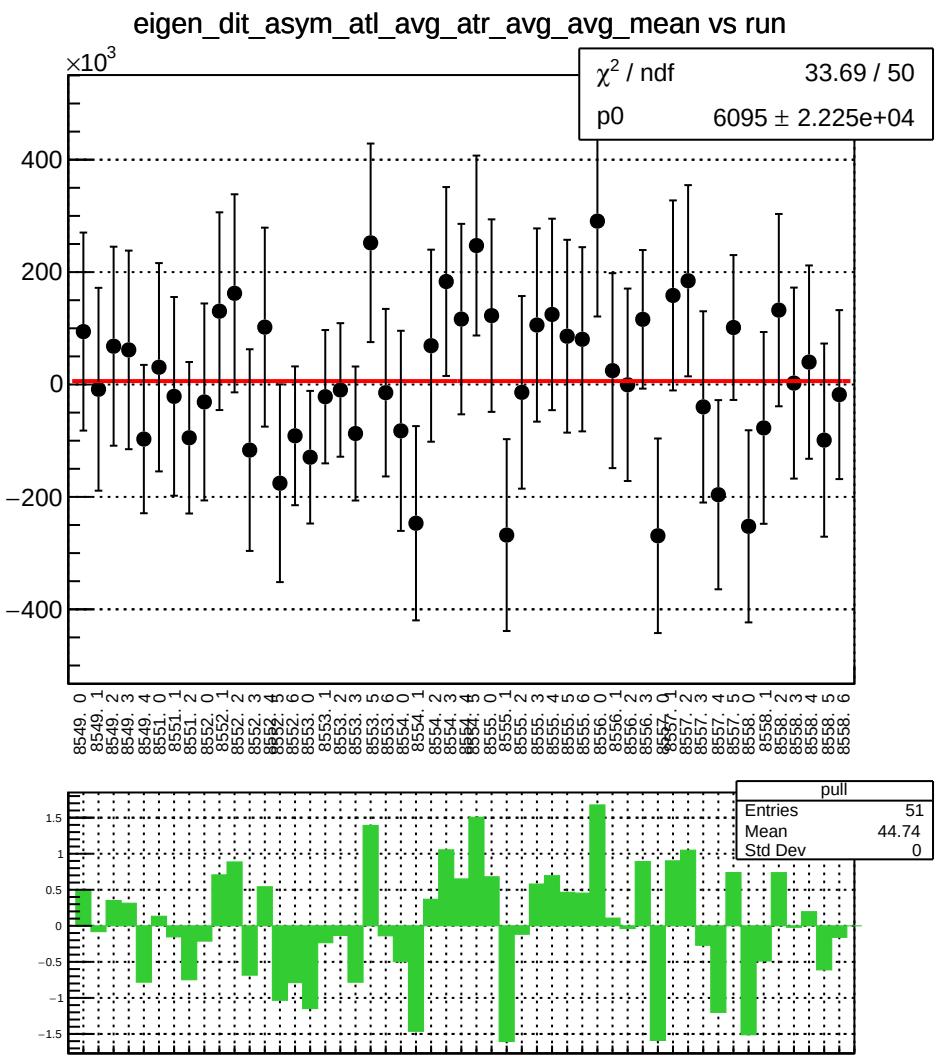

pull1D
Entries 51
Mean 0.0213
Std Dev 0.8125
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

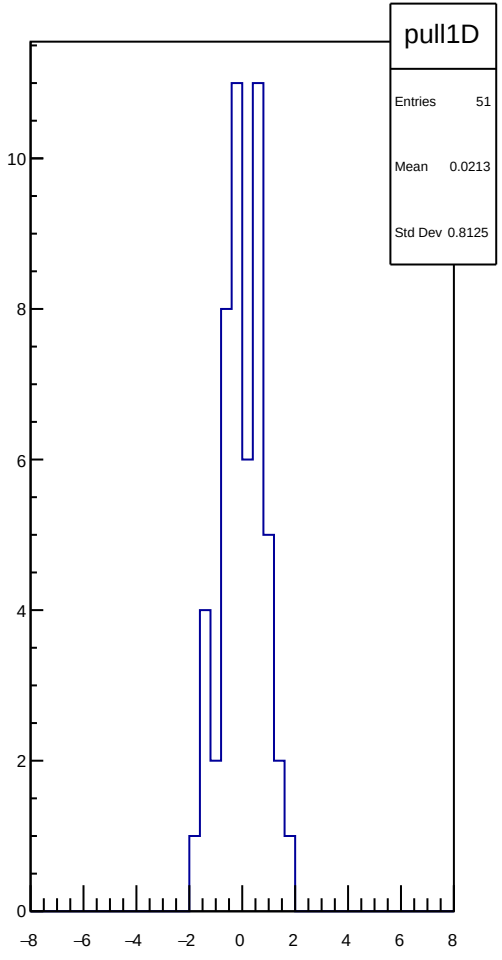

dit_asym_atl_avg_atr_avg_avg_rms vs run
×10^3
χ² / ndf 3e+04 / 51
p0 1.571e+04 ± 15.73
400
350
300
250
200
150
100
50
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8551. 2
8552. 0
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 1
8553. 2
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 3
8554. 4
8554. 5
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8555. 6
8556. 0
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8557. 4
8557. 5
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6


asym_atl_avg_atr_avg_avg_dit_correction_mean vs run
χ² / ndf 49.16 / 51
p0 −479.4 ± 970.1
20000
10000
0
−10000
−20000
−30000
pull
Entries 52
Mean 81.92
Std Dev 0
2
1
0
−1
−2
−3


pull1D
Entries 52
Mean 0.005823
Std Dev 0.9723
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


asym_atl_avg_atr_avg_avg_dit_correction_rms vs run
χ² / ndf 3680 / 51
p0 693.8 ± 0.686
800
750
700
650
600
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 5
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6


eigen_dit_asym_atl_avg_atr_avg_avg_mean vs run
×10^3
χ² / ndf 33.69 / 50
p0 6095 ± 2.225e+04
400
200
0
−200
−400
pull
Entries 51
Mean 44.74
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5


pull1D
Entries 51
Mean 0.0213
Std Dev 0.8125
10
8
6
4
2
0
−8
−6
−4
−2
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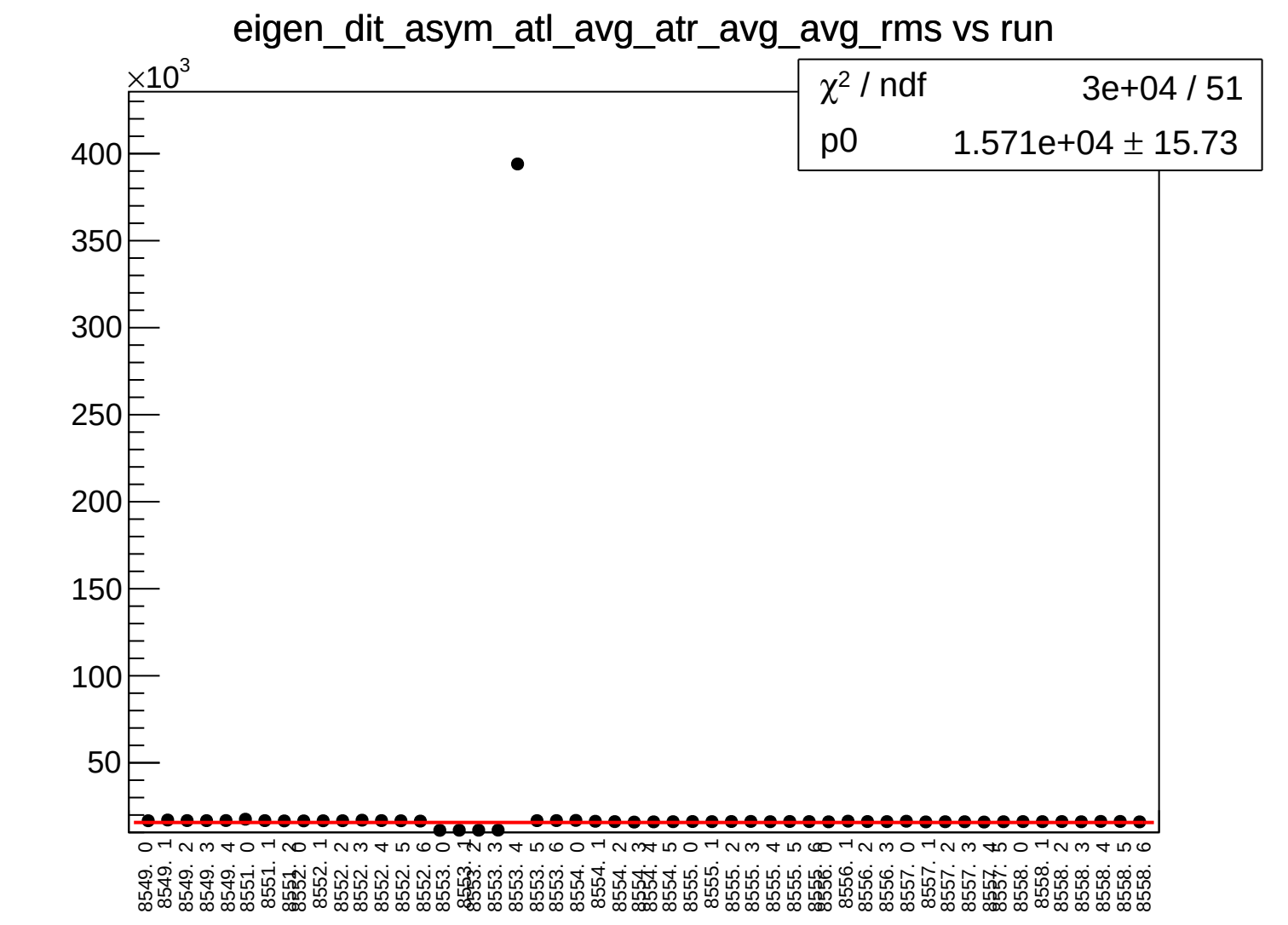
2
4
6
8


eigen_dit_asym_atl_avg_atr_avg_avg_rms vs run
×10^3
χ² / ndf 3e+04 / 51
p0 1.571e+04 ± 15.73
400
350
300
250
200
150
100
50
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8551. 2
8552. 0
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 1
8553. 2
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8555. 6
8556. 0
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8556. 2
8556. 3
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8558. 0
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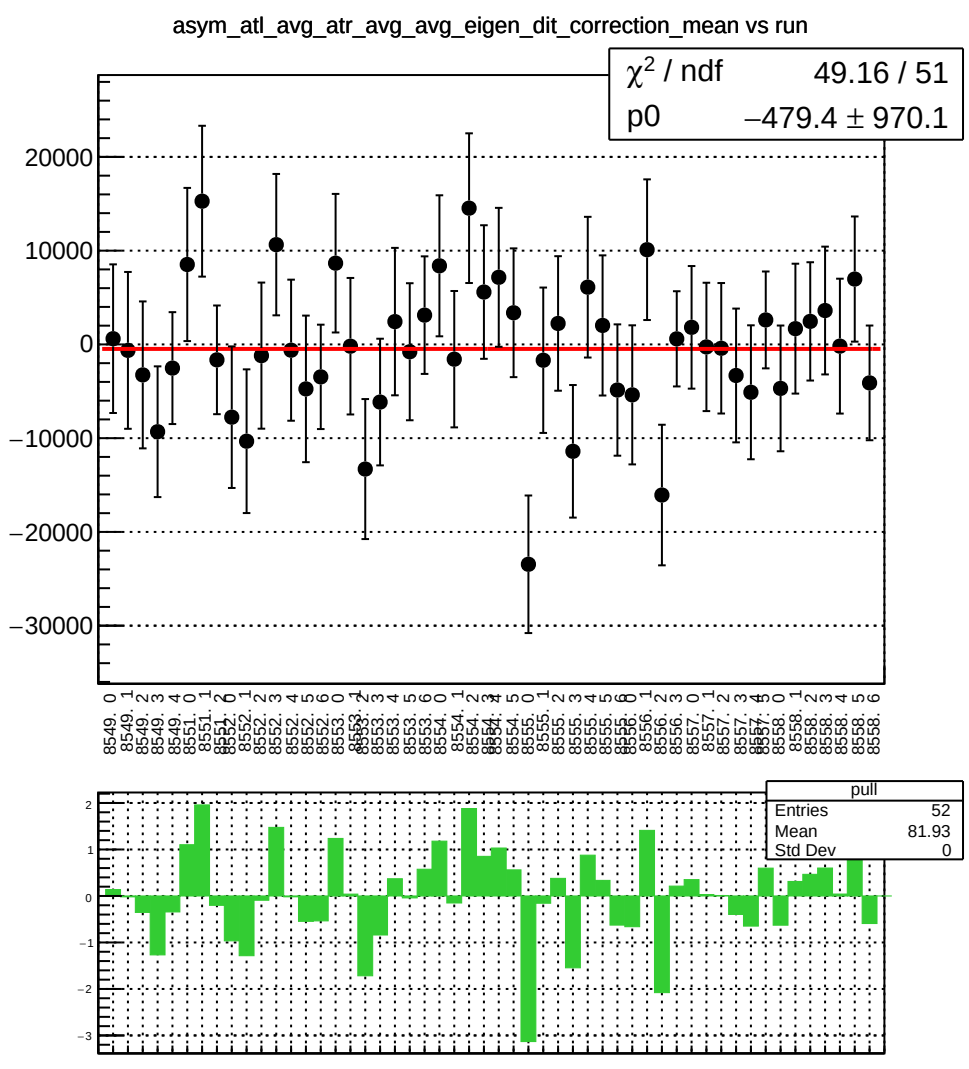
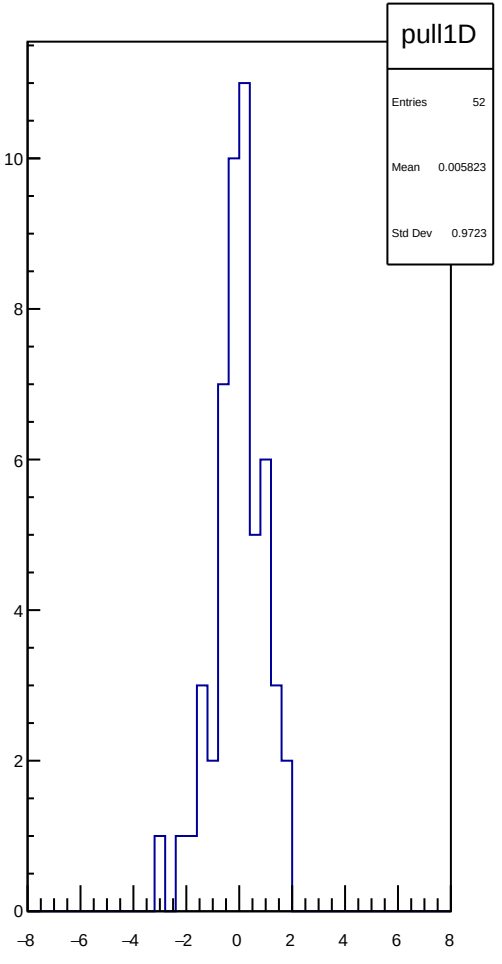
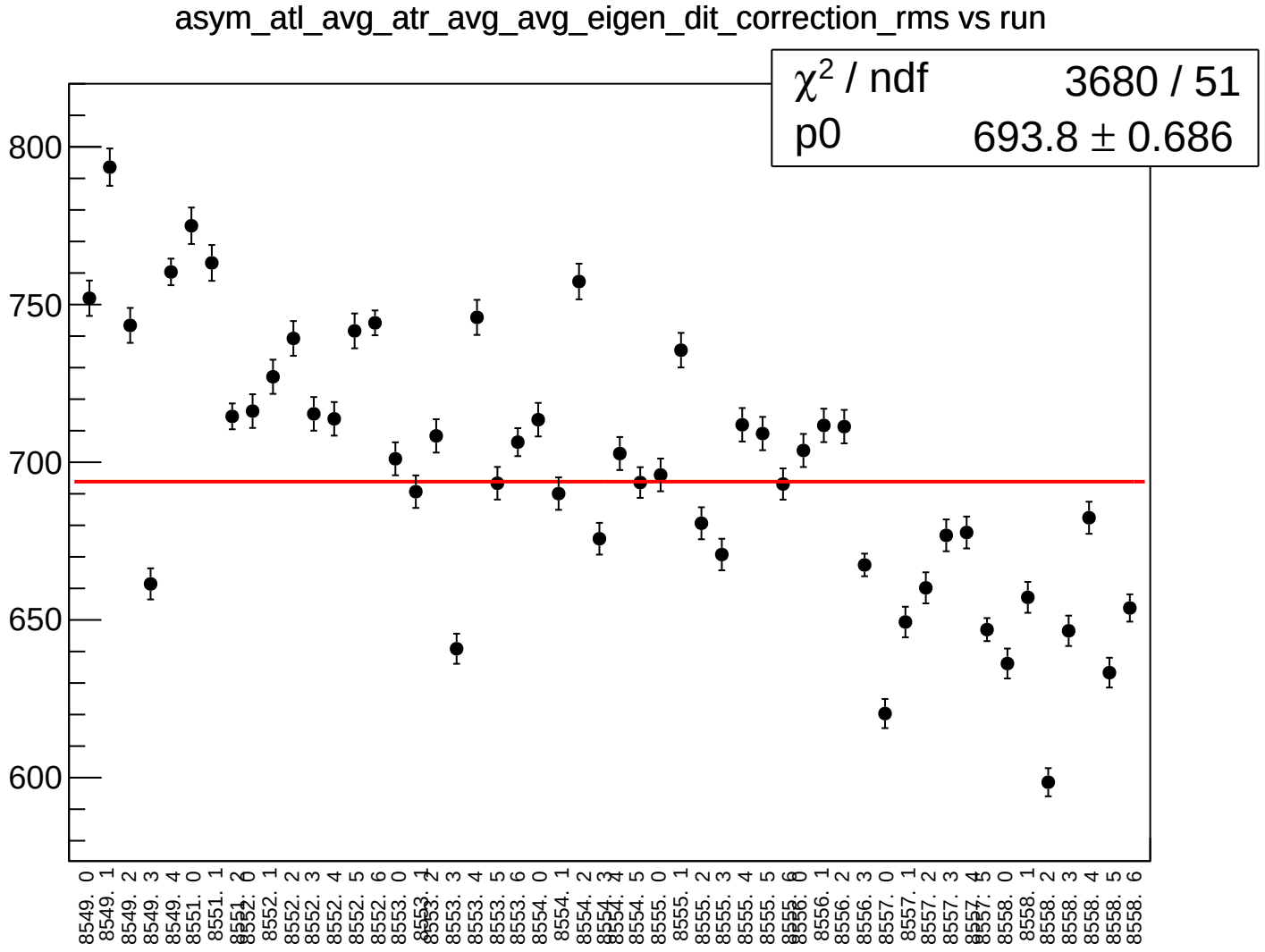
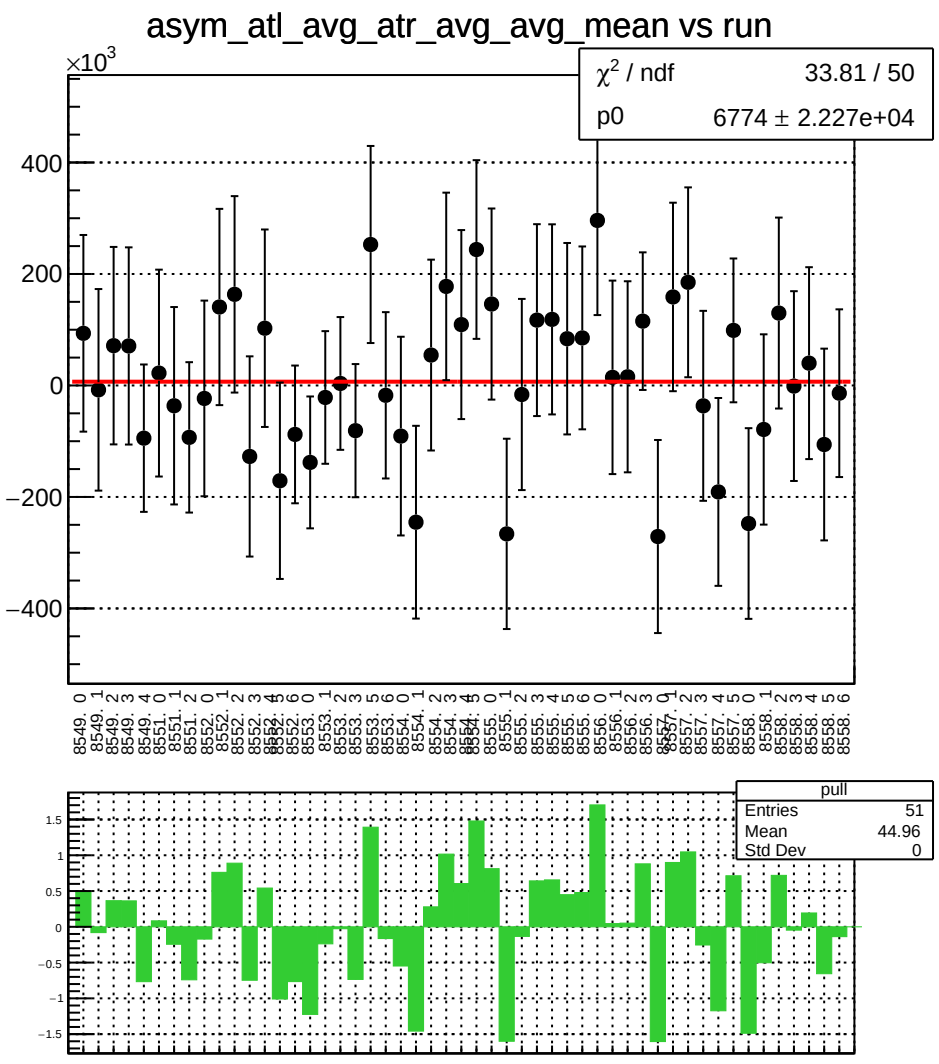
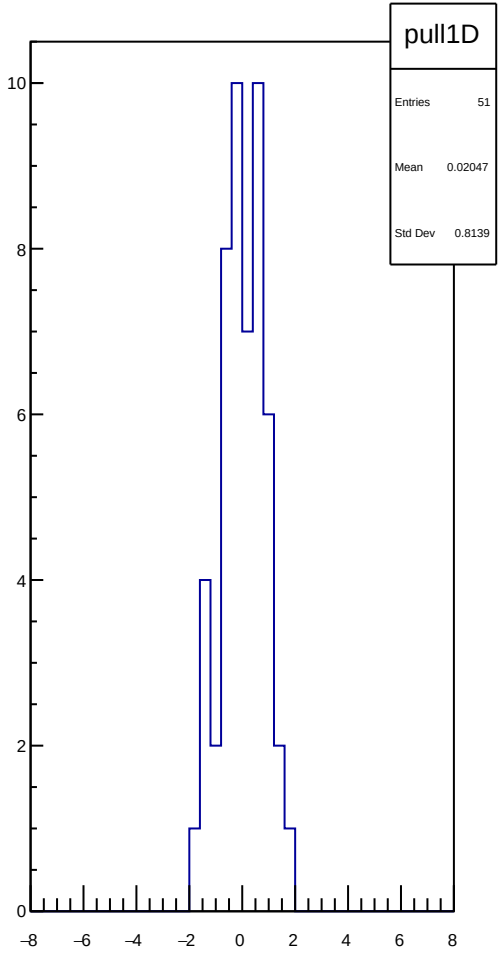
8558. 4
8558. 5
8558. 6

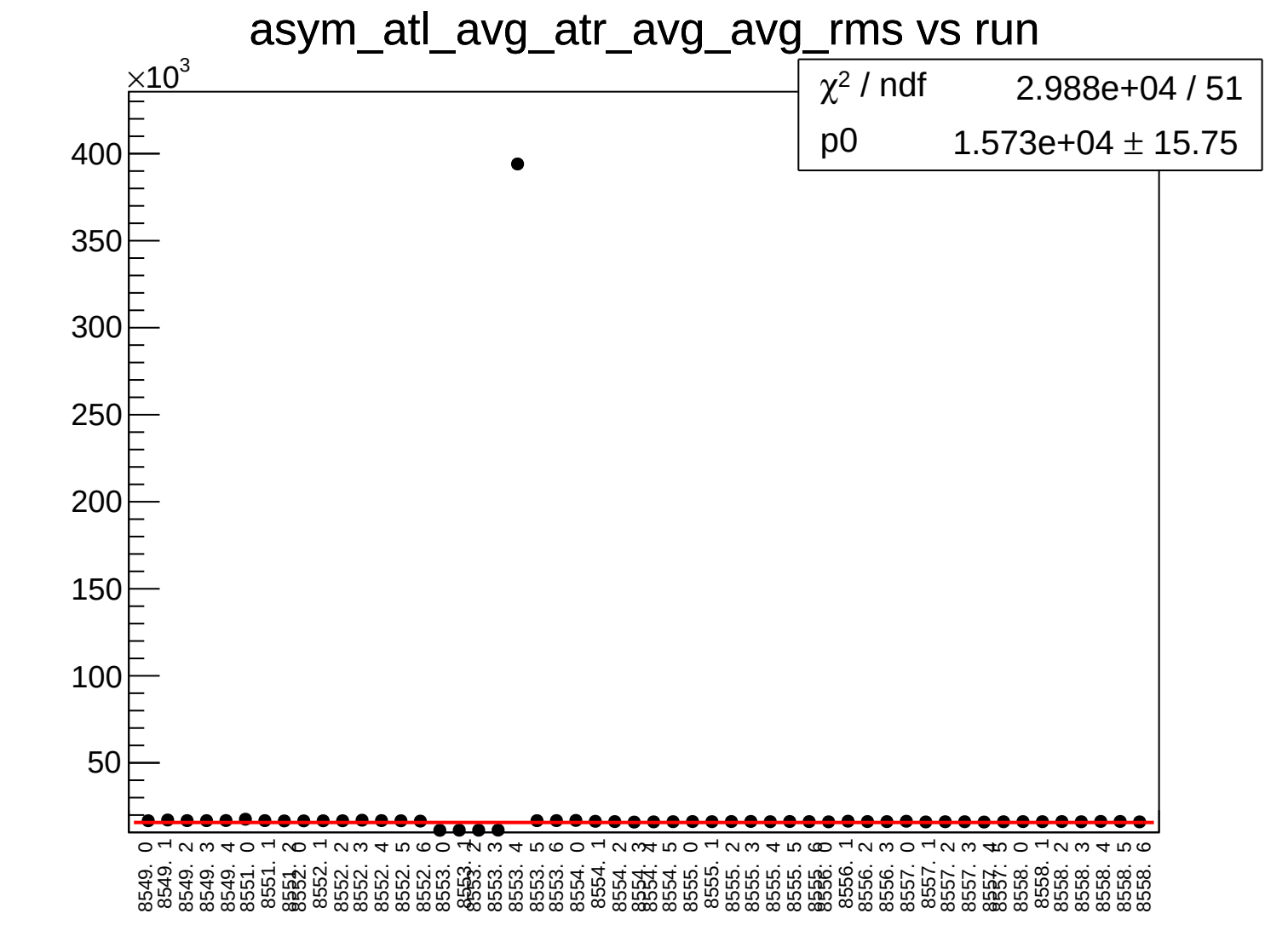

asym_atl_avg_atr_avg_avg_eigen_dit_correction_mean vs run
χ² / ndf 49.16 / 51
p0 −479.4 ± 970.1
20000
10000
0
−10000
−20000
−30000
pull
Entries 52
Mean 81.93
Std Dev 0

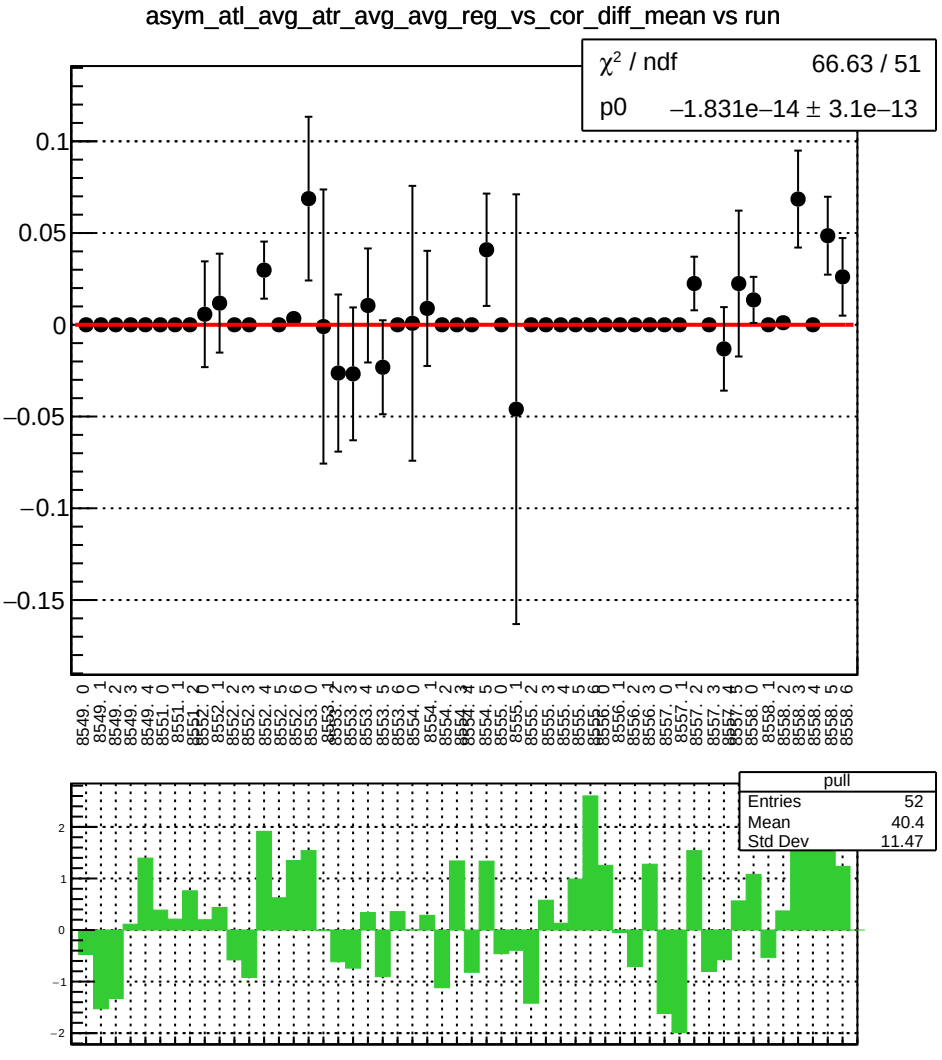

pull1D
Entries 52
Mean 0.005823
Std Dev 0.9723
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

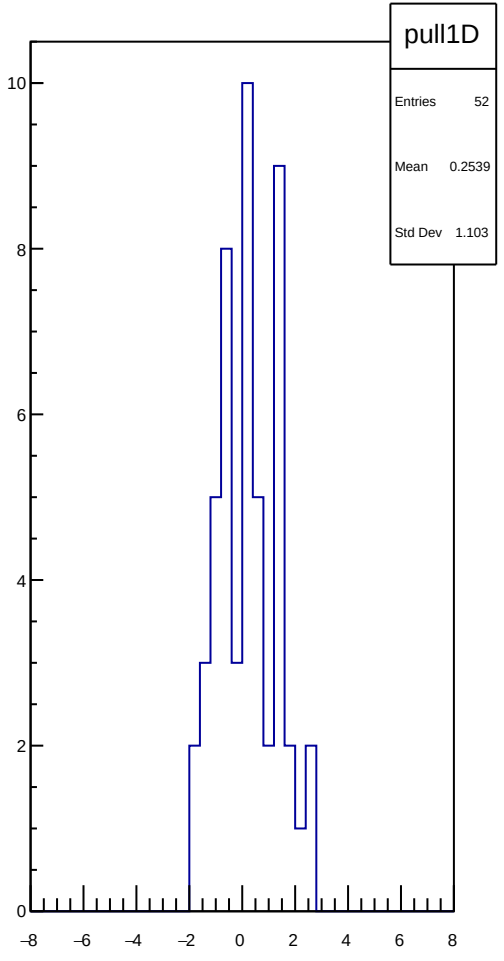

asym_atl_avg_atr_avg_avg_eigen_dit_correction_rms vs run
χ² / ndf 3680 / 51
p0 693.8 ± 0.686
800
750
700
650
600
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 5
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

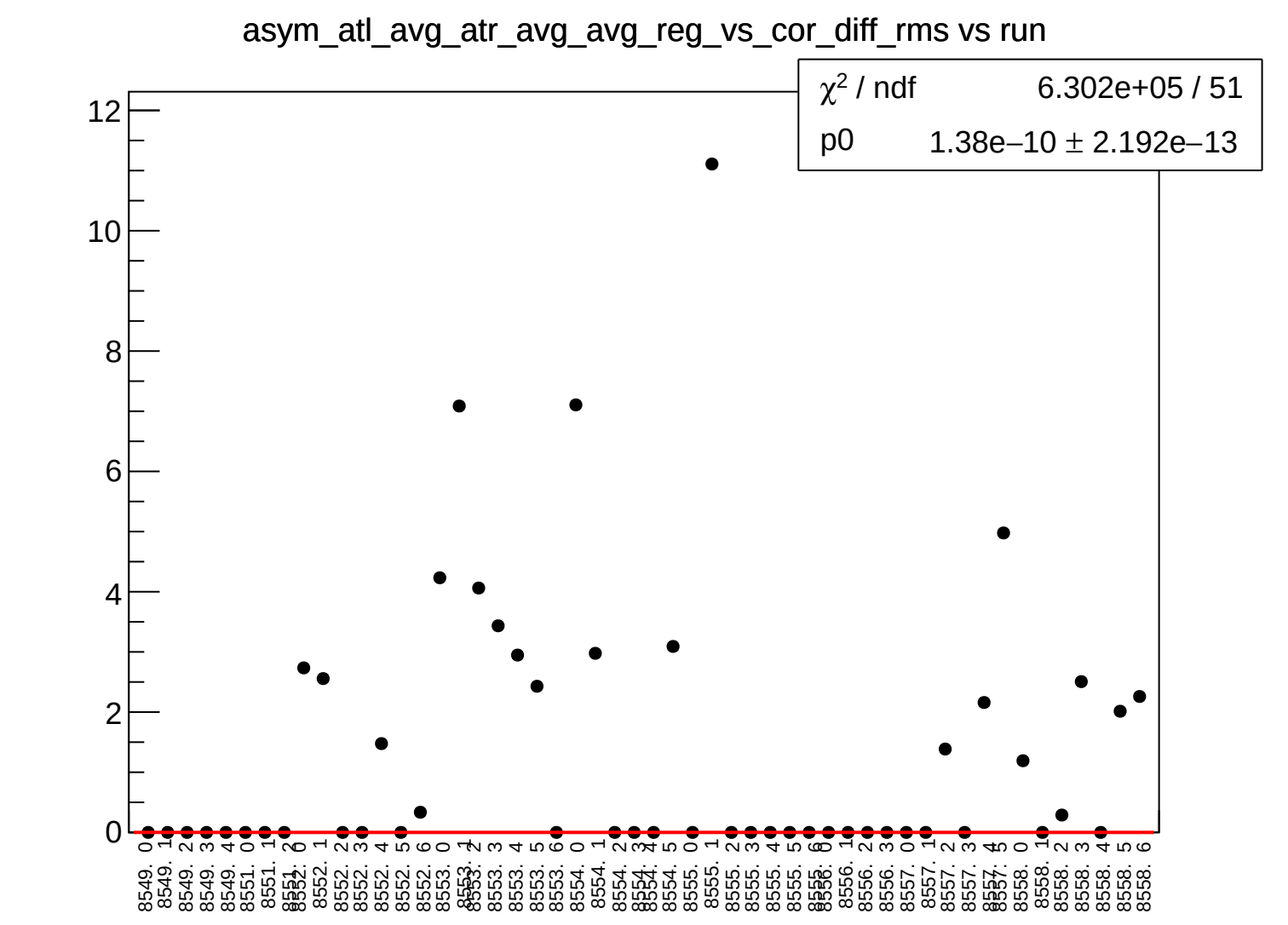

asym_atl_avg_atr_avg_avg_mean vs run
×10^3
χ² / ndf 33.81 / 50
p0 6774 ± 2.227e+04
400
200
0
−200
−400
pull
Entries 51
Mean 44.96
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5

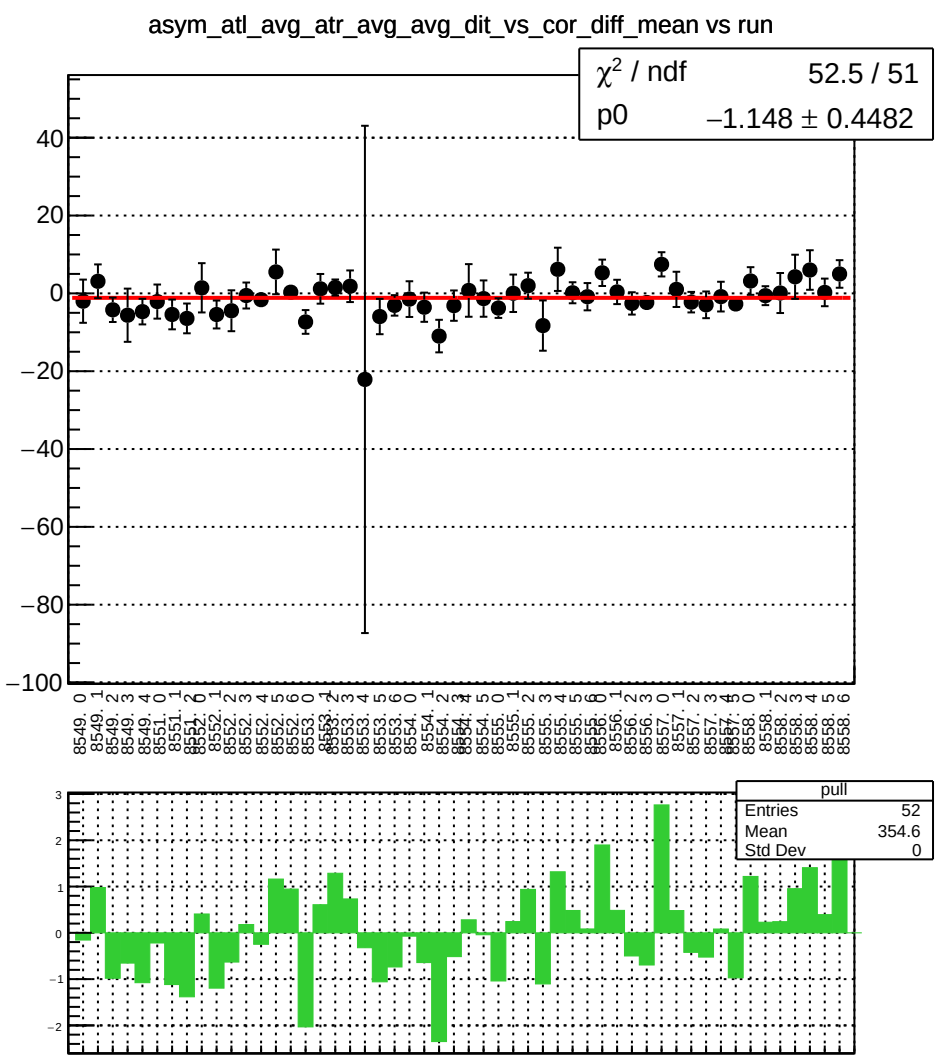

pull1D
Entries 51
Mean 0.02047
Std Dev 0.8139
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

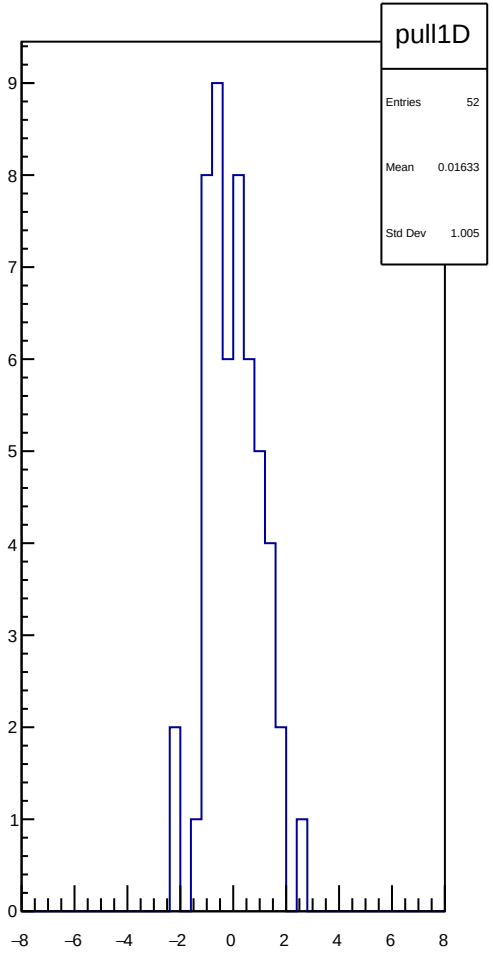

asym_atl_avg_atr_avg_avg_rms vs run
×10^3
χ² / ndf 2.988e+04 / 51
p0 1.573e+04 ± 15.75
400
350
300
250
200
150
100
50
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

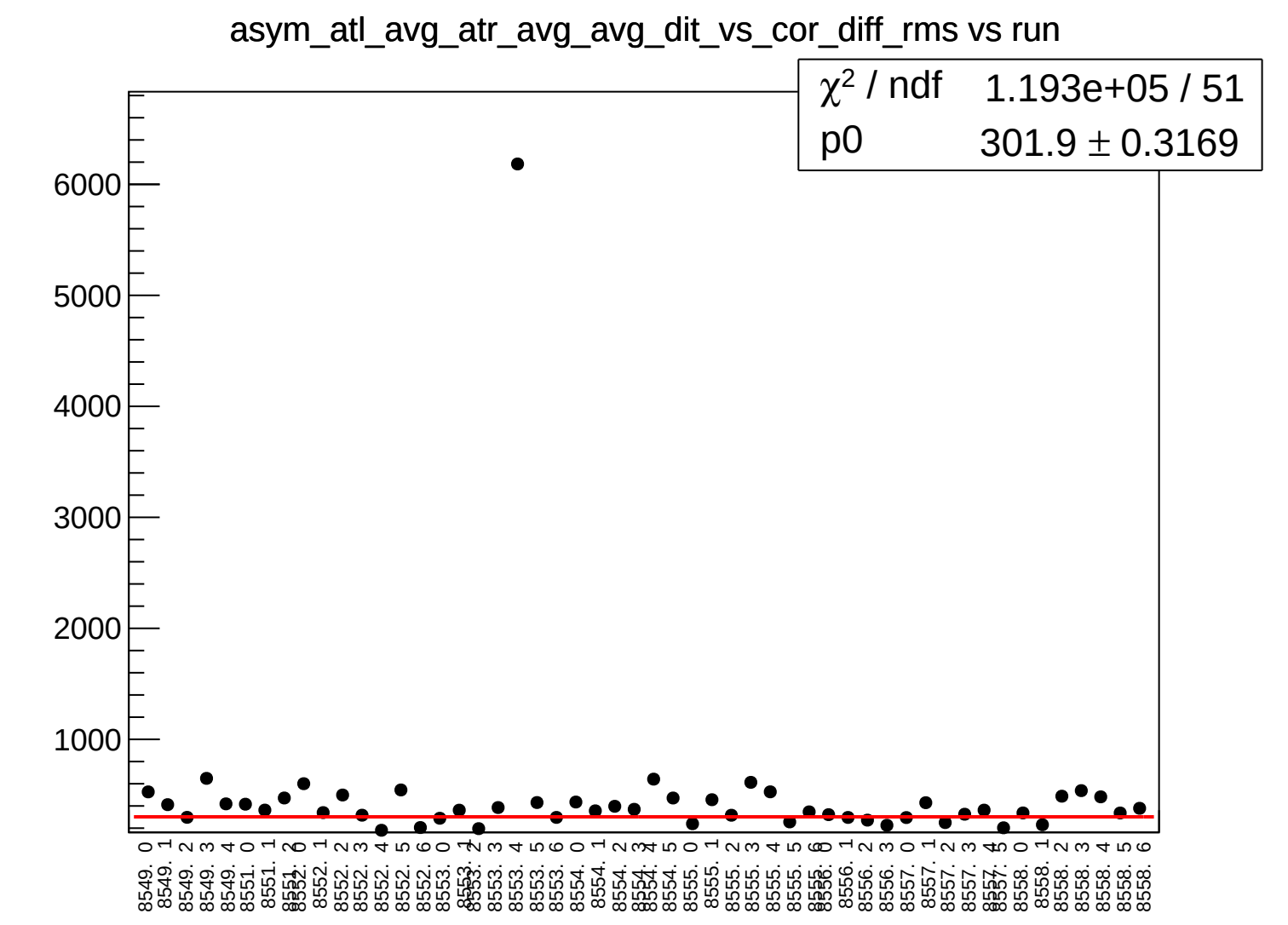

asym_atl_avg_atr_avg_avg_reg_vs_cor_diff_mean vs run
χ² / ndf 66.63 / 51
p0 −1.831e−14 ± 3.1e−13
pull
Entries 52
Mean 40.4
Std Dev 11.47

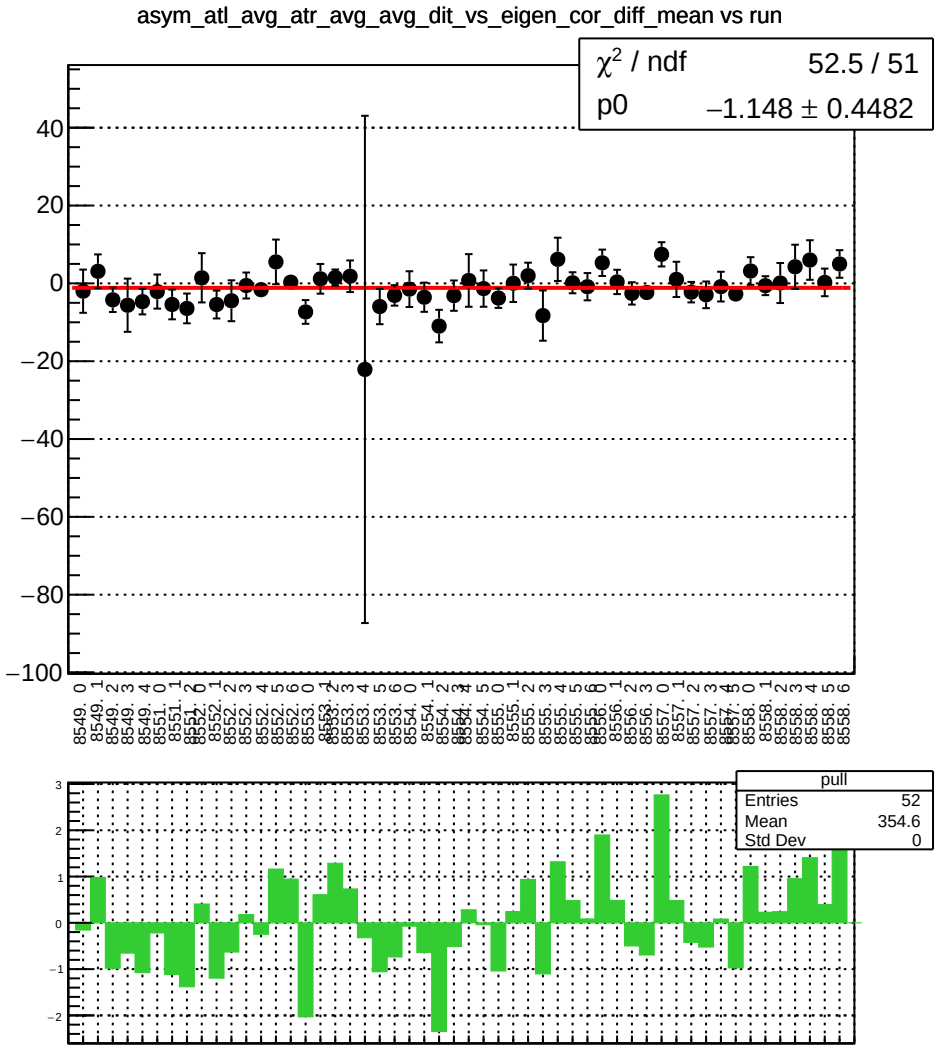

pull1D
Entries 52
Mean 0.2539
Std Dev 1.103

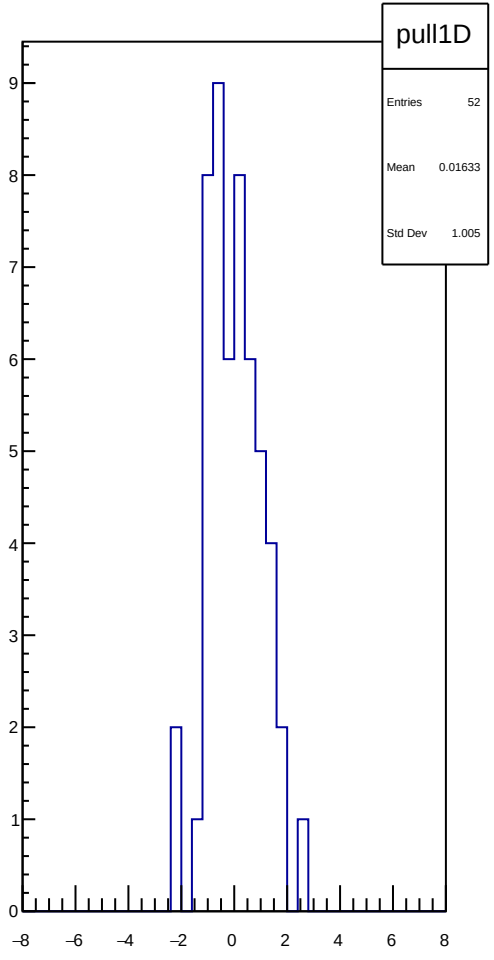

asym_atl_avg_atr_avg_avg_reg_vs_cor_diff_rms vs run
χ² / ndf 6.302e+05 / 51
p0 1.38e−10 ± 2.192e−13
12
10
8
6
4
2
0
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 0
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 1
8553. 2
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 3
8554. 4
8554. 5
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 0
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8557. 4
8557. 5
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

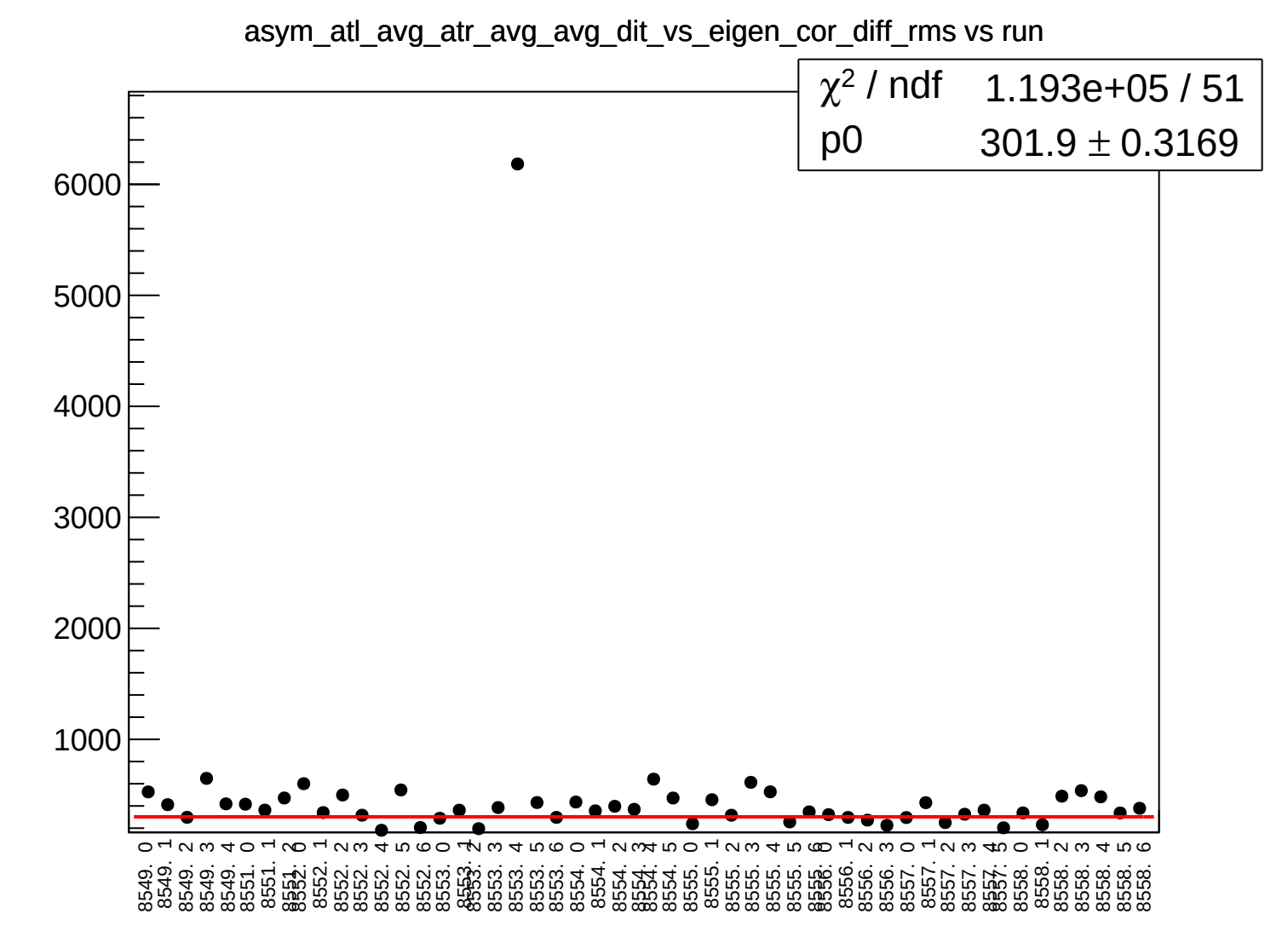

asym_atl_avg_atr_avg_avg_dit_vs_cor_diff_mean vs run
χ² / ndf 52.5 / 51
p0 −1.148 ± 0.4482
pull
Entries 52
Mean 354.6
Std Dev 0

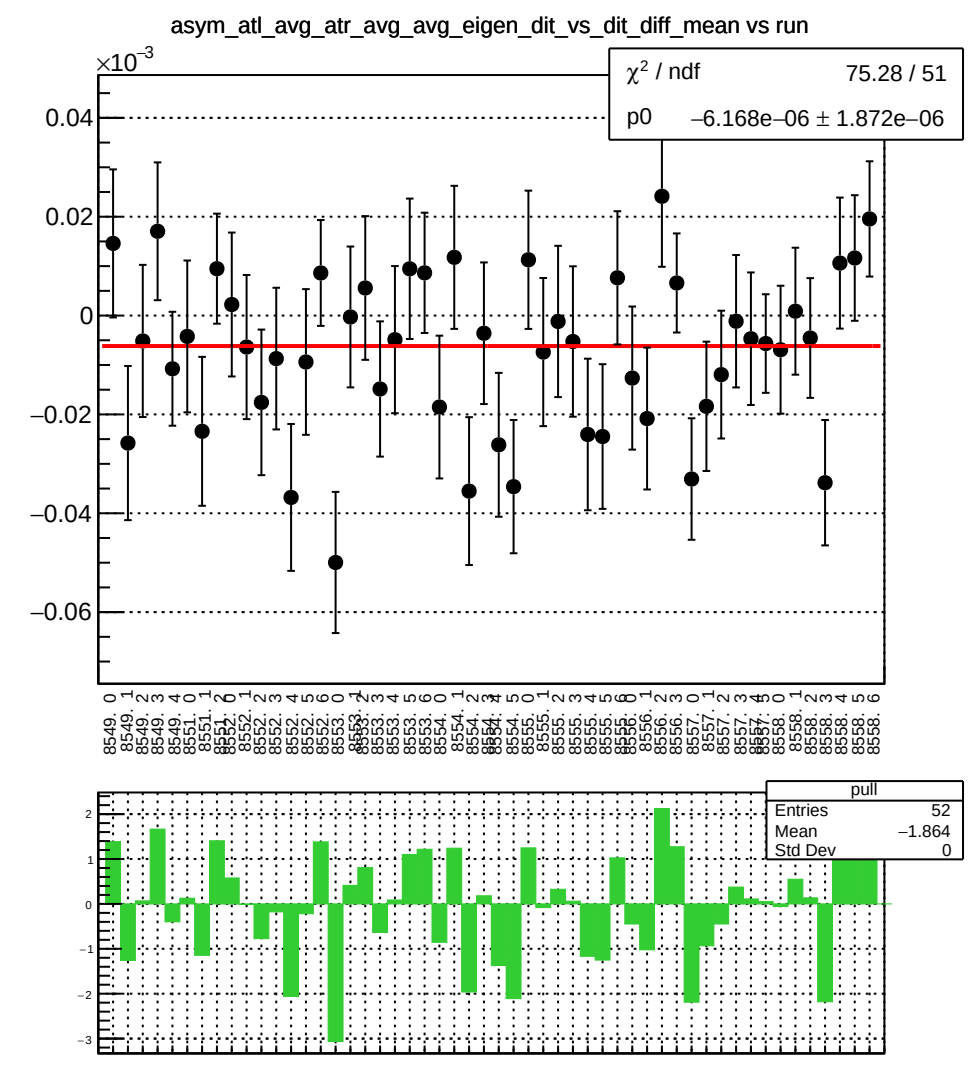

pull1D
Entries 52
Mean 0.01633
Std Dev 1.005

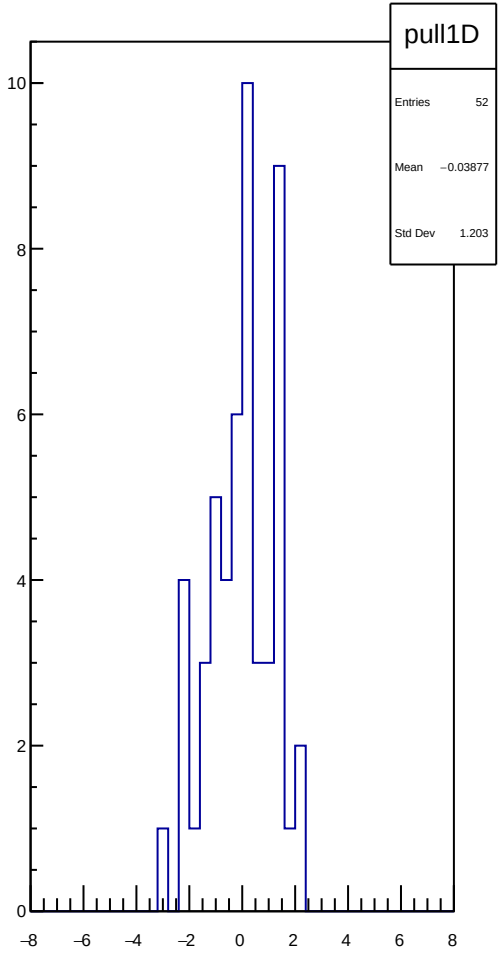

asym_atl_avg_atr_avg_avg_dit_vs_cor_diff_rms vs run
χ² / ndf 1.193e+05 / 51
p0 301.9 ± 0.3169
6000
5000
4000
3000
2000
1000
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

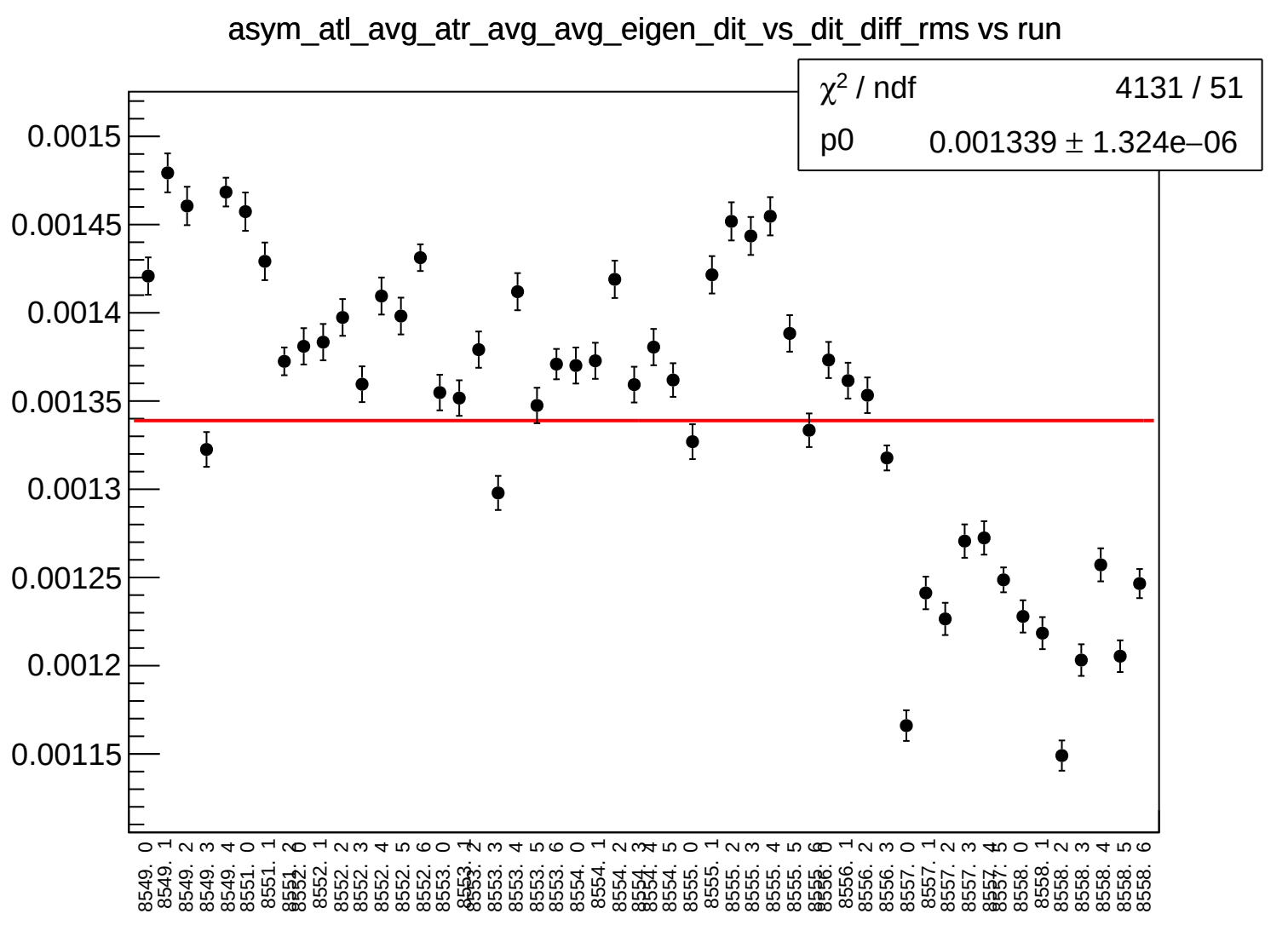

asym_atl_avg_atr_avg_avg_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 52.5 / 51
p0 −1.148 ± 0.4482
pull
Entries 52
Mean 354.6
Std Dev 0

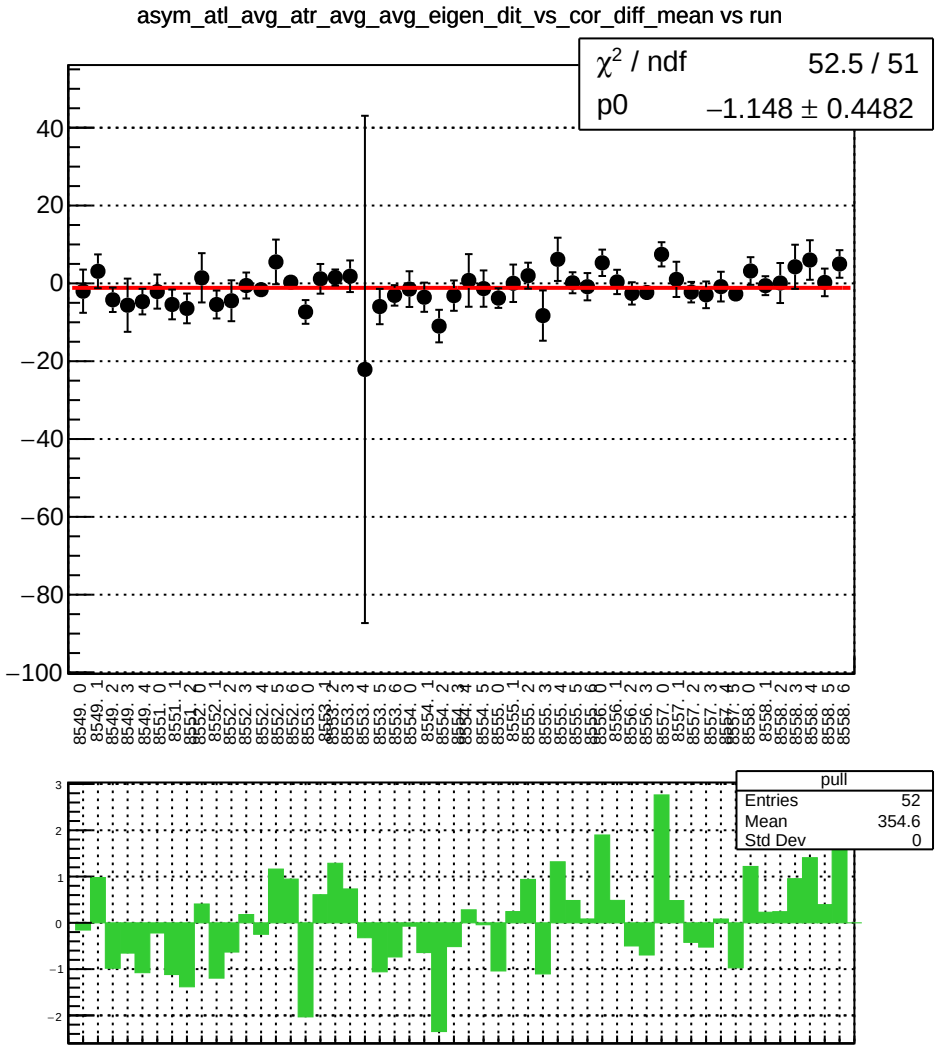

pull1D
Entries 52
Mean 0.01633
Std Dev 1.005

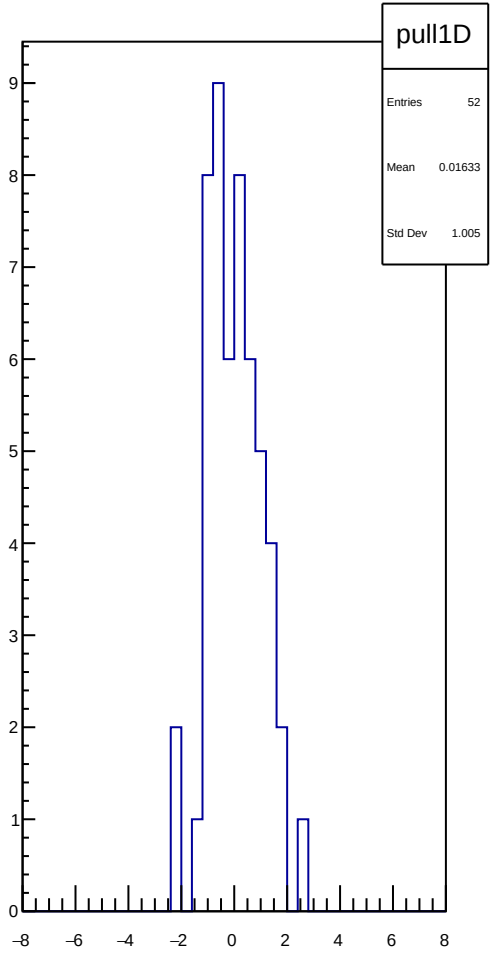

asym_atl_avg_atr_avg_avg_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.193e+05 / 51
p0 301.9 ± 0.3169
6000
5000
4000
3000
2000
1000
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 0
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 5
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

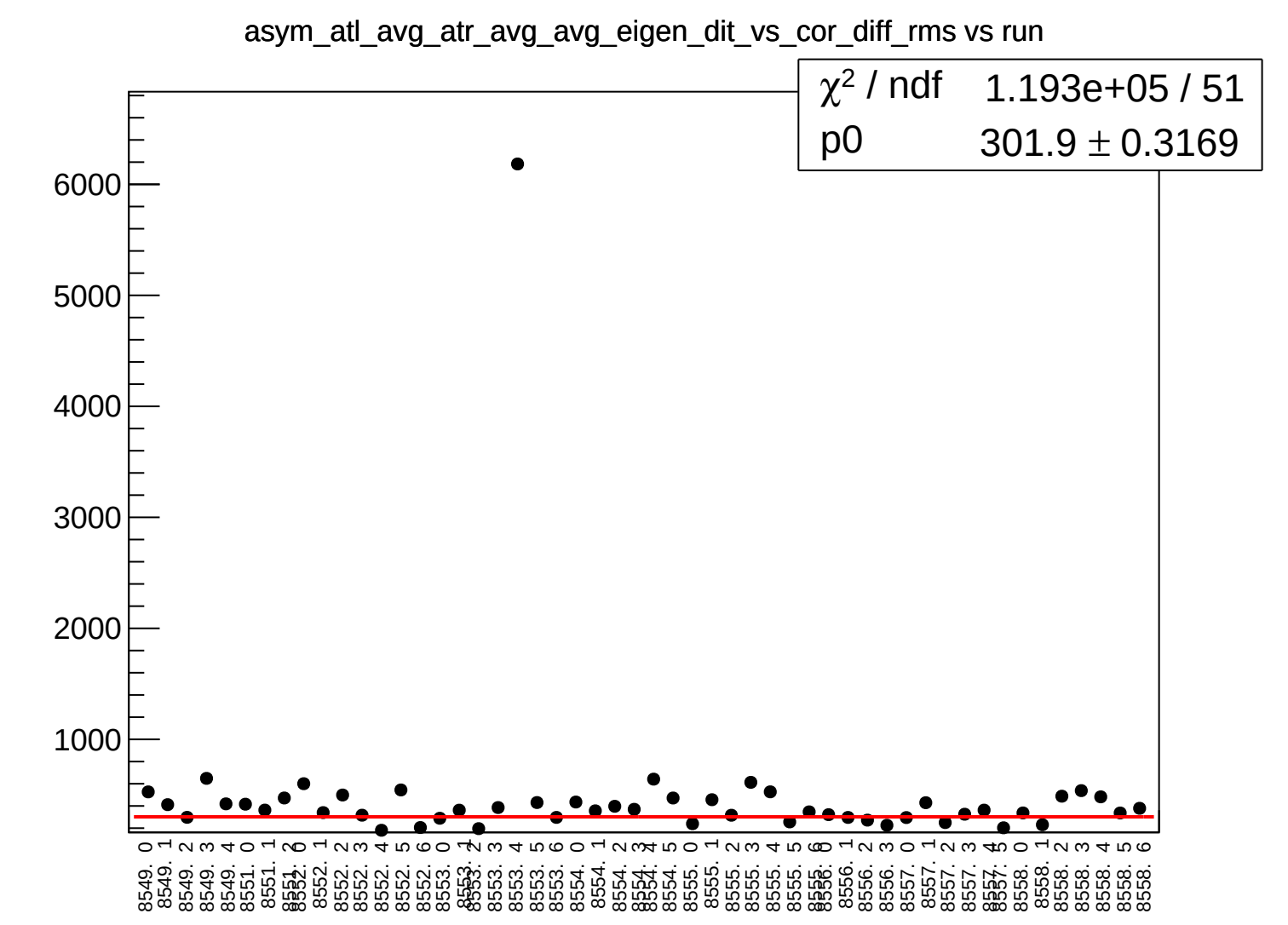

asym_atl_avg_atr_avg_avg_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 75.28 / 51
p0 −6.168e−06 ± 1.872e−06
0.04
0.02
0
−0.02
−0.04
−0.06
pull
Entries 52
Mean −1.864
Std Dev 0

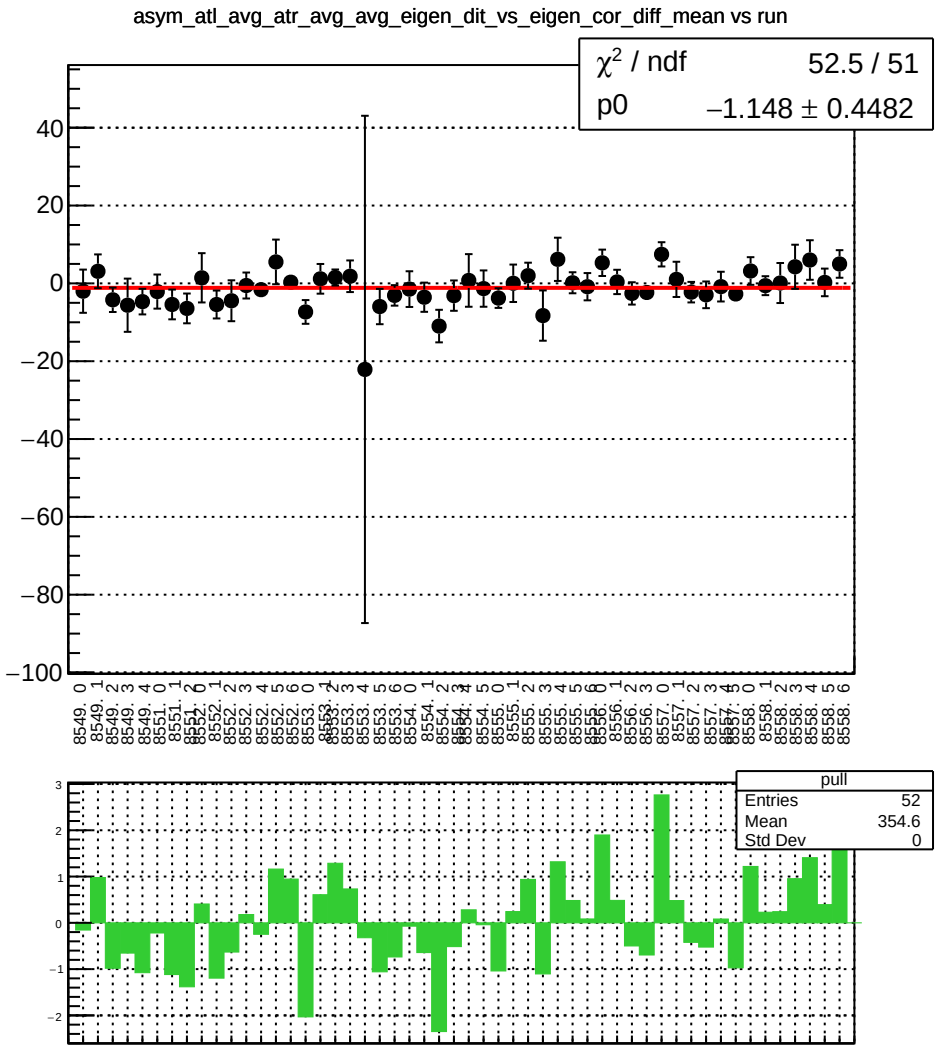

pull1D
Entries 52
Mean −0.03877
Std Dev 1.203

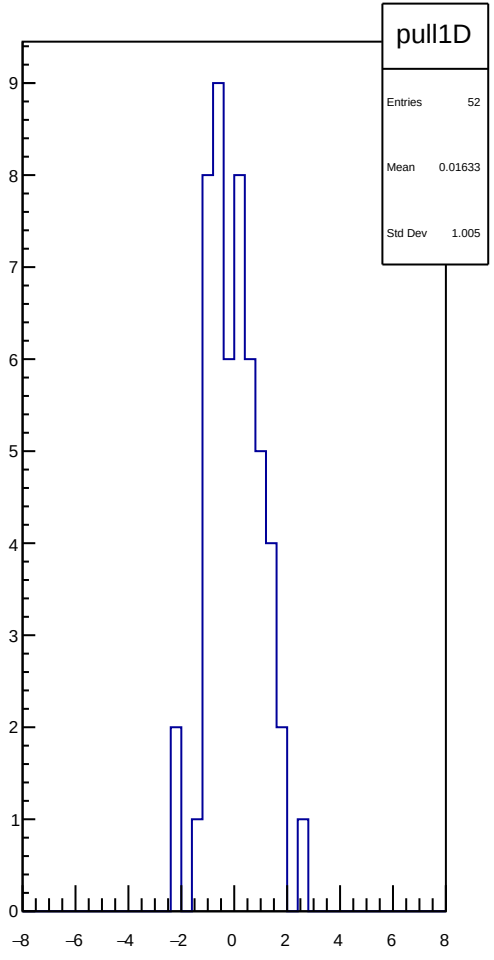

asym_atl_avg_atr_avg_avg_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 4131 / 51
p0 0.001339 ± 1.324e−06
0.0015
0.00145
0.0014
0.00135
0.0013
0.00125
0.0012
0.00115
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 5
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

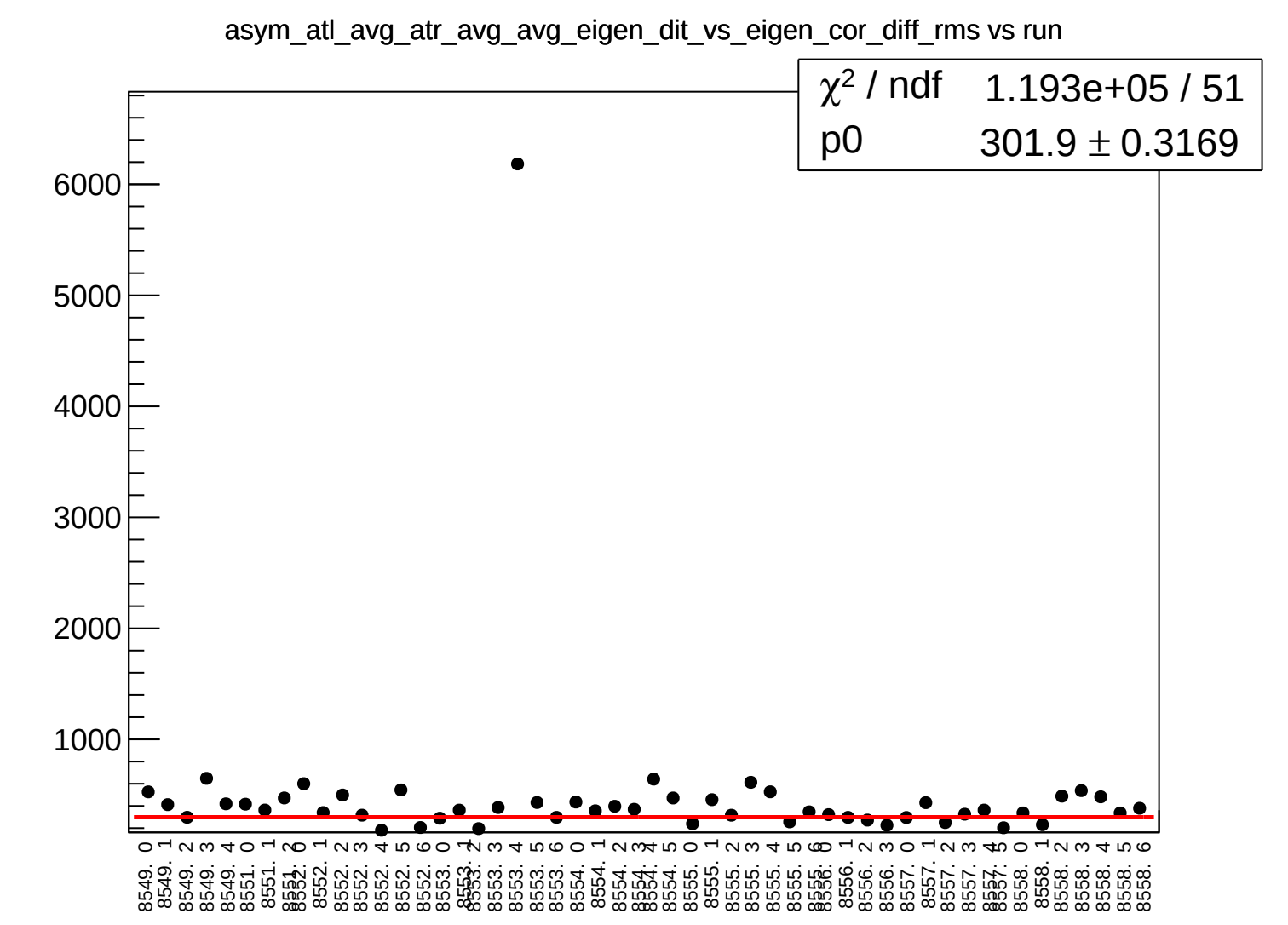

asym_atl_avg_atr_avg_avg_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 52.5 / 51
p0 −1.148 ± 0.4482
pull
Entries 52
Mean 354.6
Std Dev 0

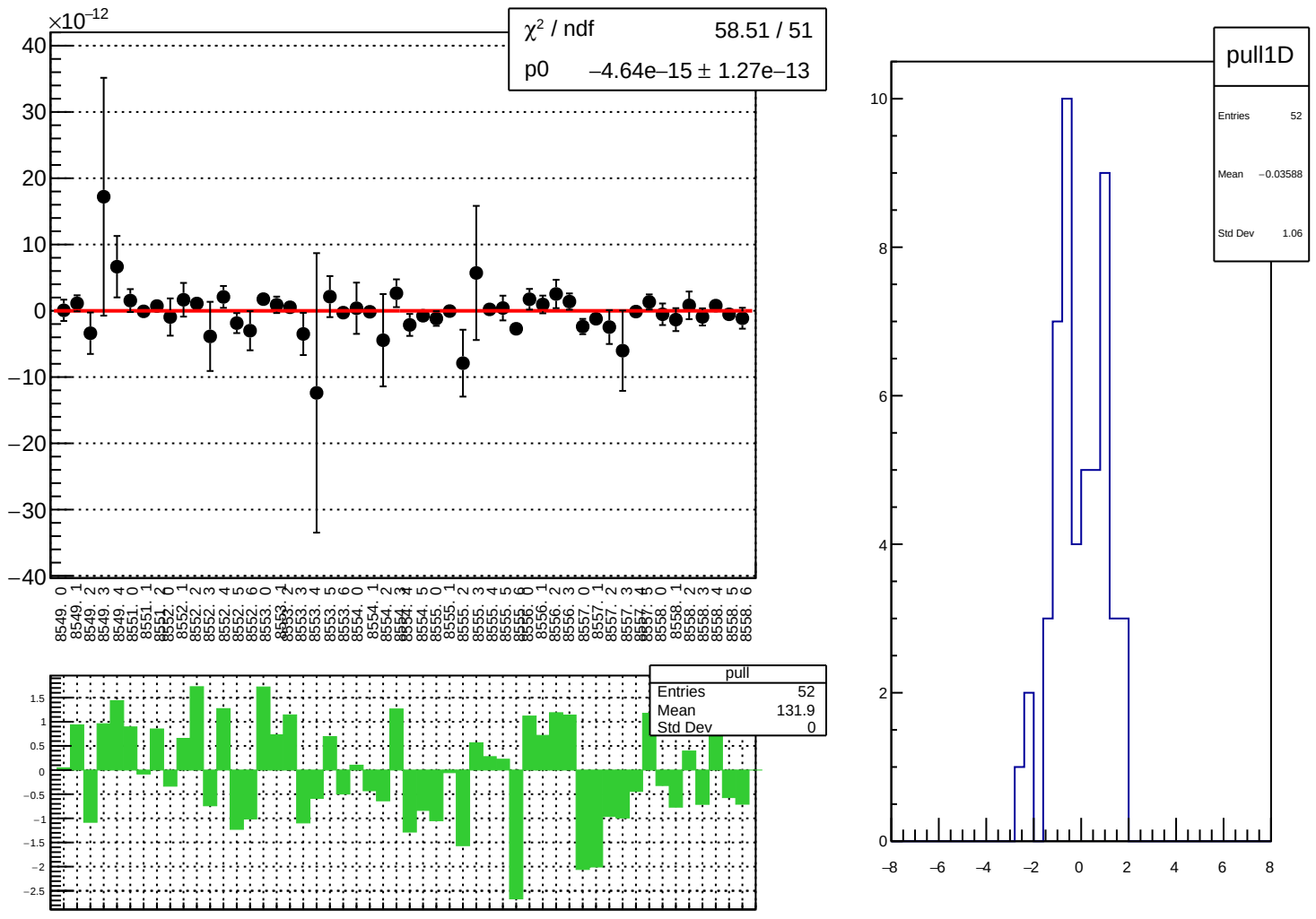

pull1D
Entries 52
Mean 0.01633
Std Dev 1.005

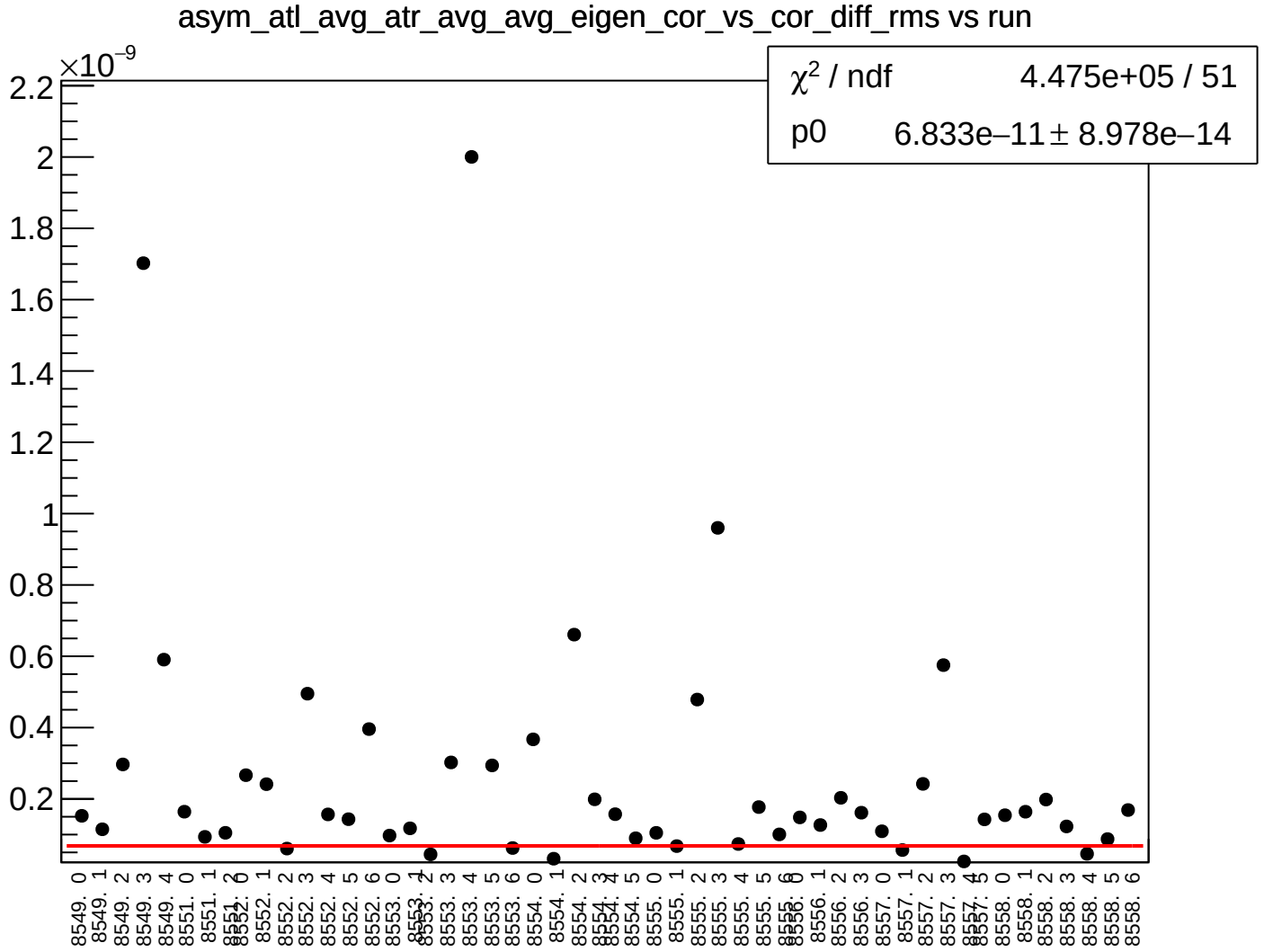

asym_atl_avg_atr_avg_avg_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 1.193e+05 / 51
p0 301.9 ± 0.3169
6000
5000
4000
3000
2000
1000
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

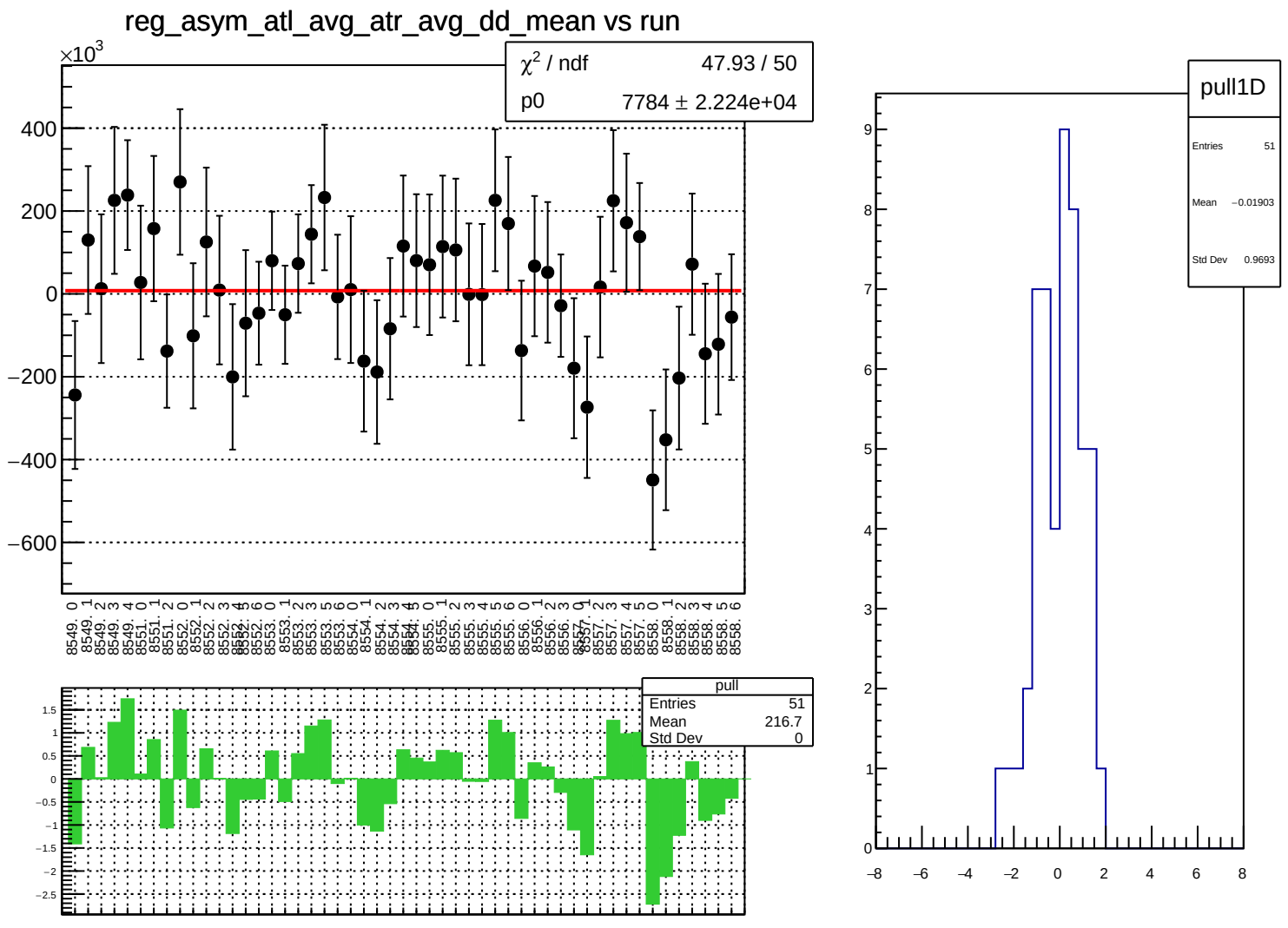

asym_atl_avg_atr_avg_avg_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 52.5 / 51
p0 −1.148 ± 0.4482
pull
Entries 52
Mean 354.6
Std Dev 0

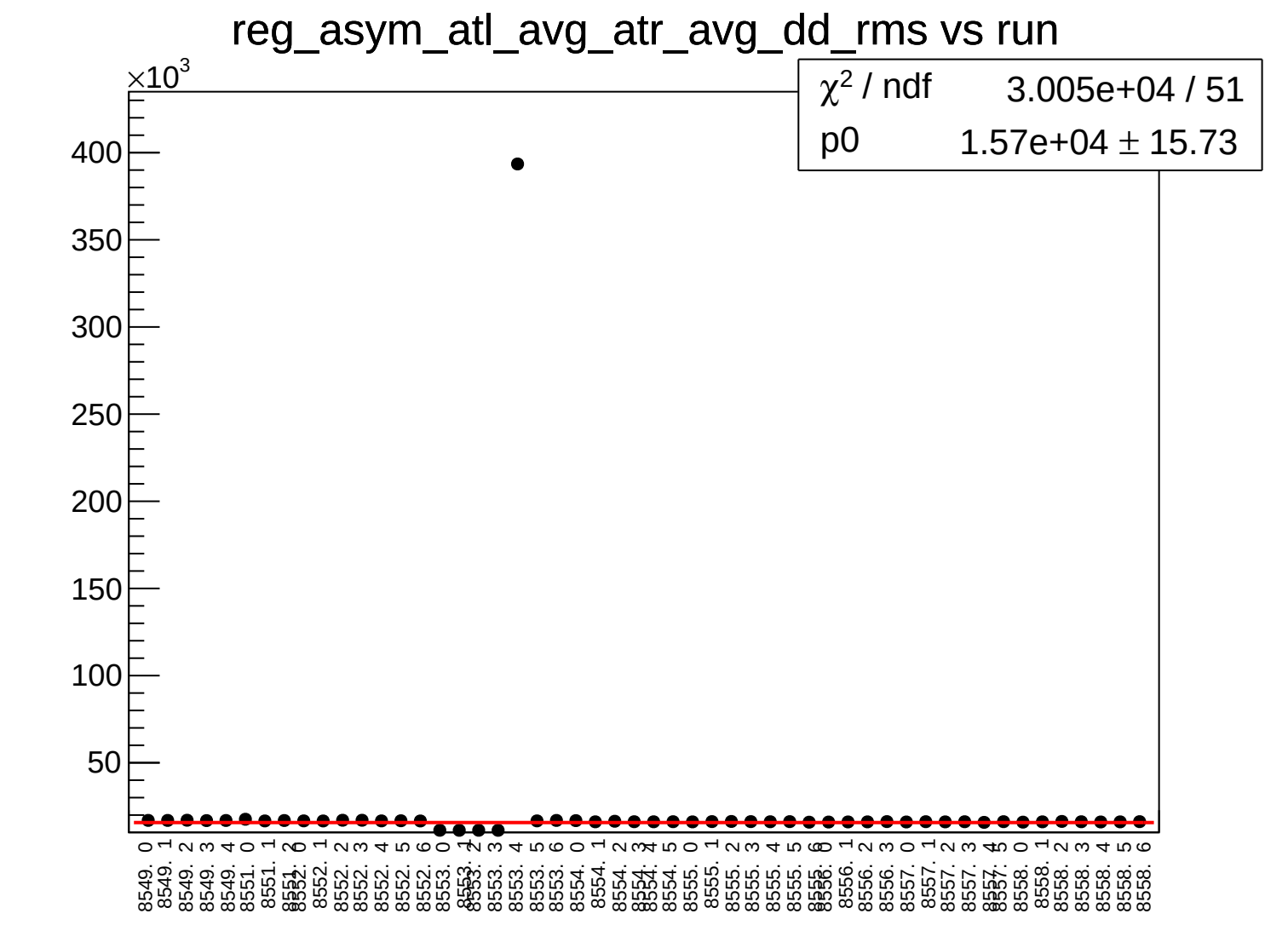

pull1D
Entries 52
Mean 0.01633
Std Dev 1.005

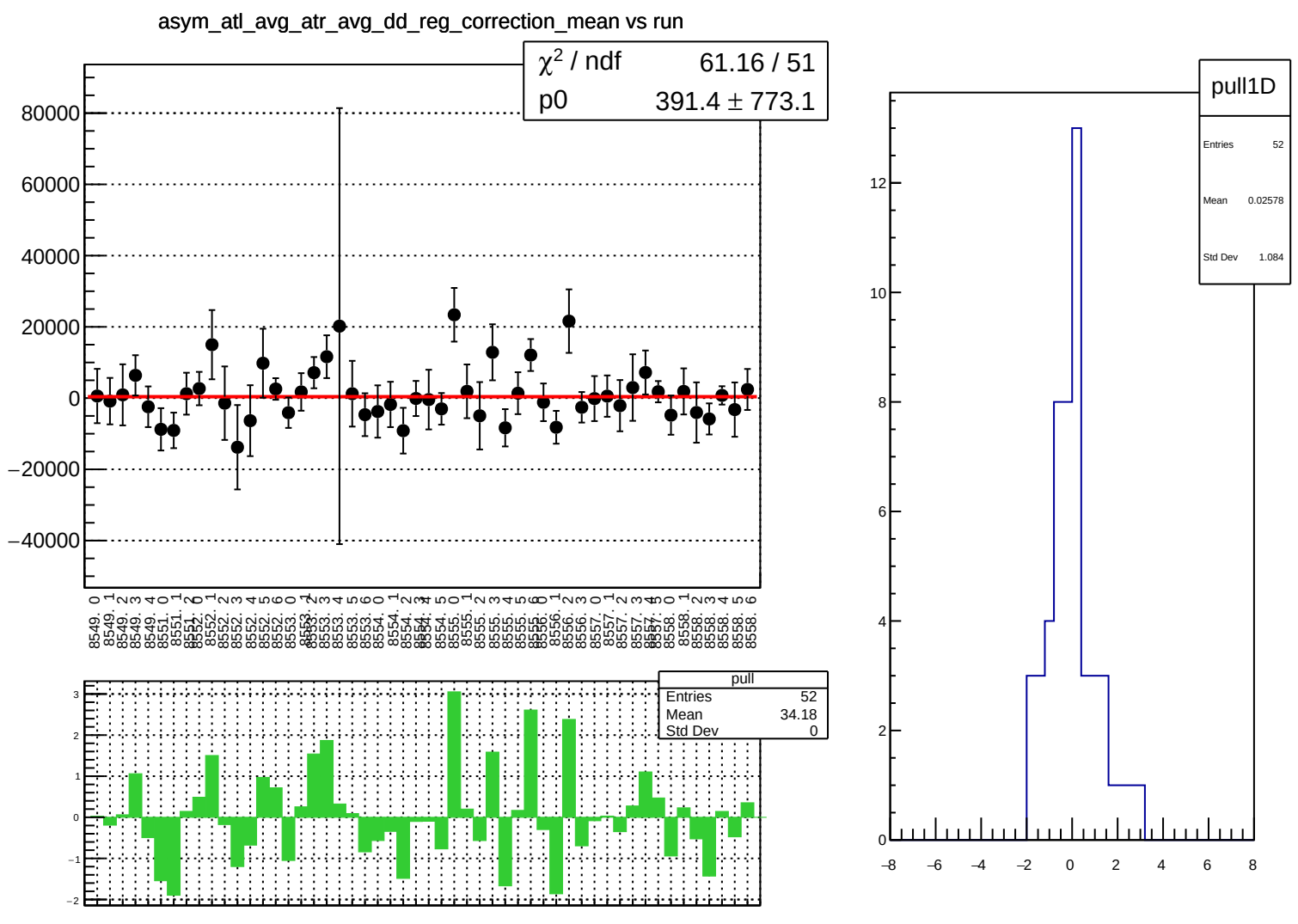

asym_atl_avg_atr_avg_avg_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.193e+05 / 51
p0 301.9 ± 0.3169
6000
5000
4000
3000
2000
1000
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 5
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

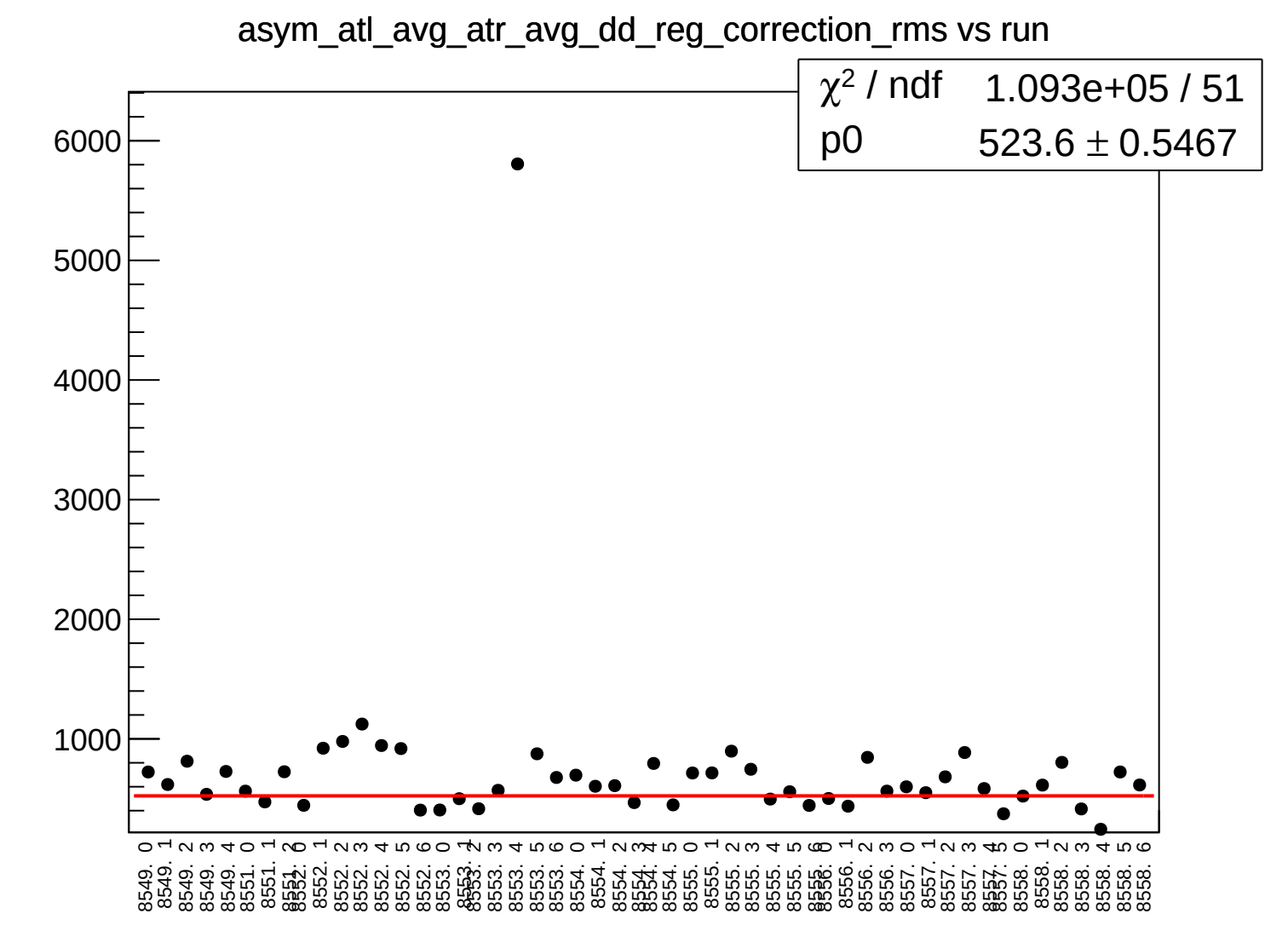

asym_atl_avg_atr_avg_avg_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 58.51 / 51
p0 −4.64e−15 ± 1.27e−13
pull
Entries 52
Mean 131.9
Std Dev 0
pull1D
Entries 52
Mean −0.03588
Std Dev 1.06

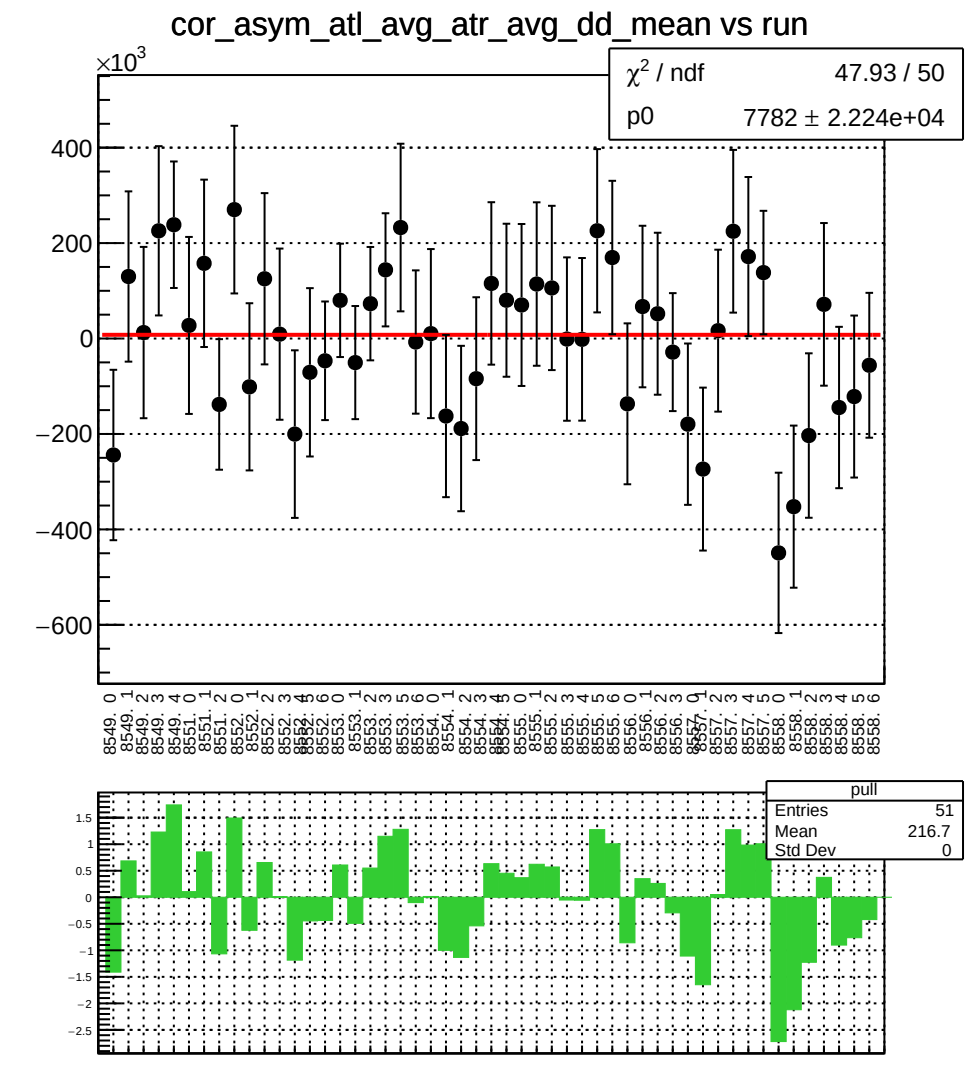

asym_atl_avg_atr_avg_avg_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 4.475e+05 / 51
p0 6.833e−11 ± 8.978e−14
2.2
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

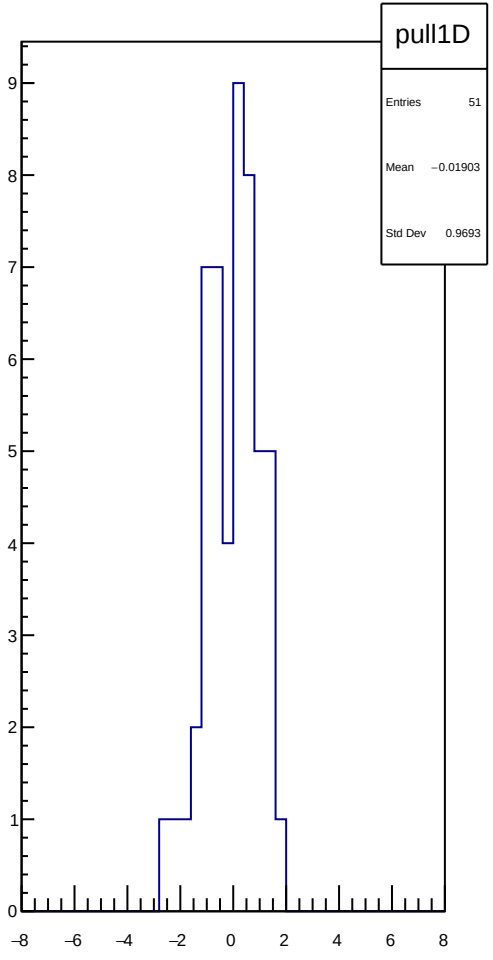

reg_asym_atl_avg_atr_avg_dd_mean vs run
×10^3
χ² / ndf 47.93 / 50
p0 7784 ± 2.224e+04
400
200
0
−200
−400
−600
pull
Entries 51
Mean 216.7
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5
pull1D
Entries 51
Mean −0.01903
Std Dev 0.9693
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

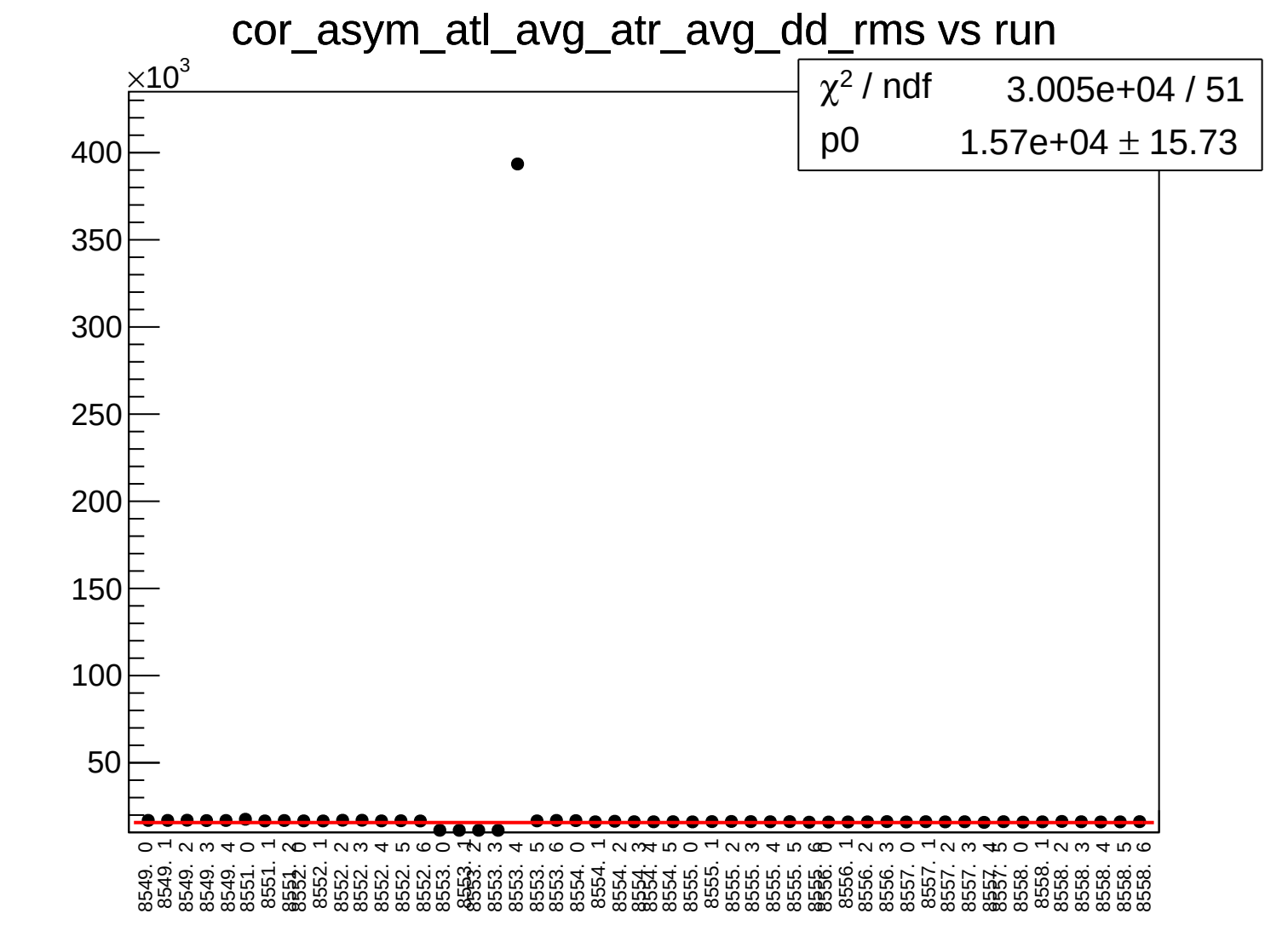

reg_asym_atl_avg_atr_avg_dd_rms vs run
×10^3
400
350
300
250
200
150
100
50
χ² / ndf 3.005e+04 / 51
p0 1.57e+04 ± 15.73
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 5
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

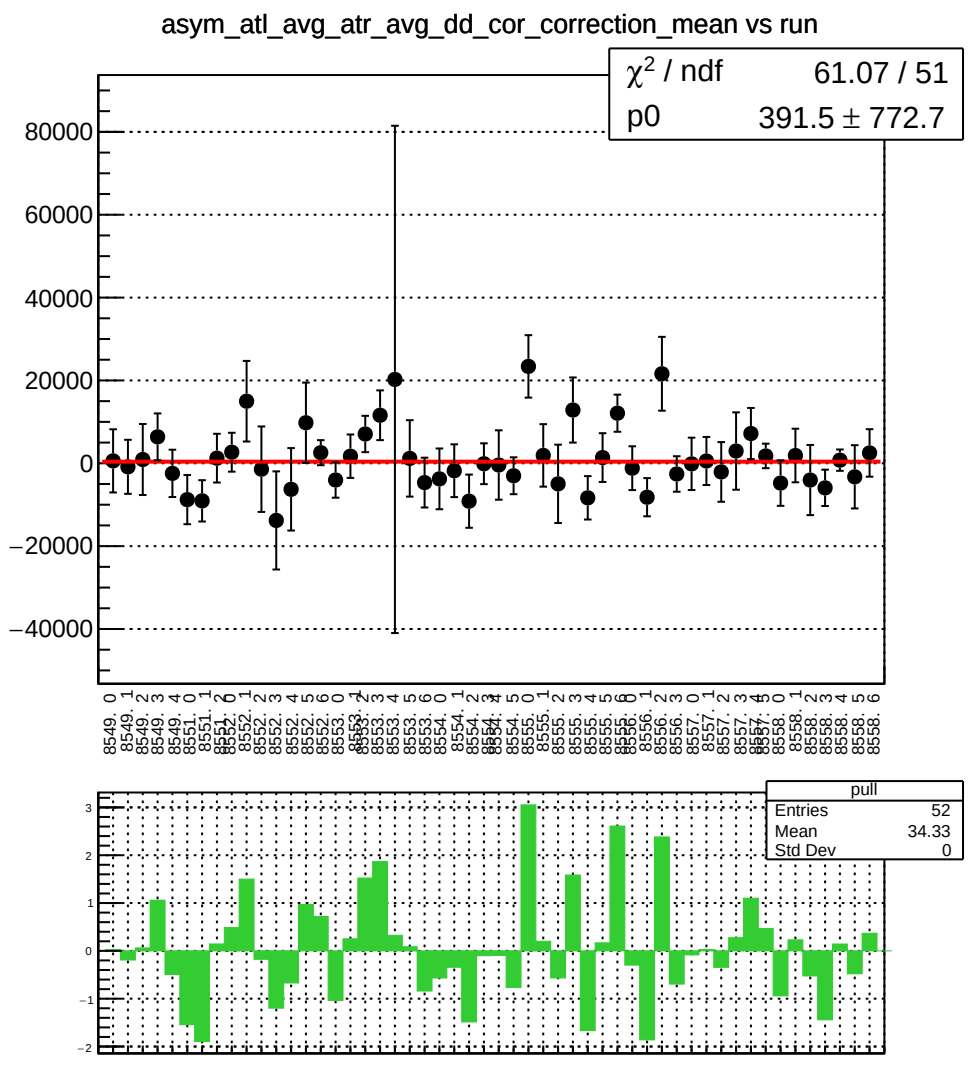

asym_atl_avg_atr_avg_dd_reg_correction_mean vs run
χ² / ndf 61.16 / 51
p0 391.4 ± 773.1
80000
60000
40000
20000
0
−20000
−40000
pull
Entries 52
Mean 34.18
Std Dev 0
pull1D
Entries 52
Mean 0.02578
Std Dev 1.084

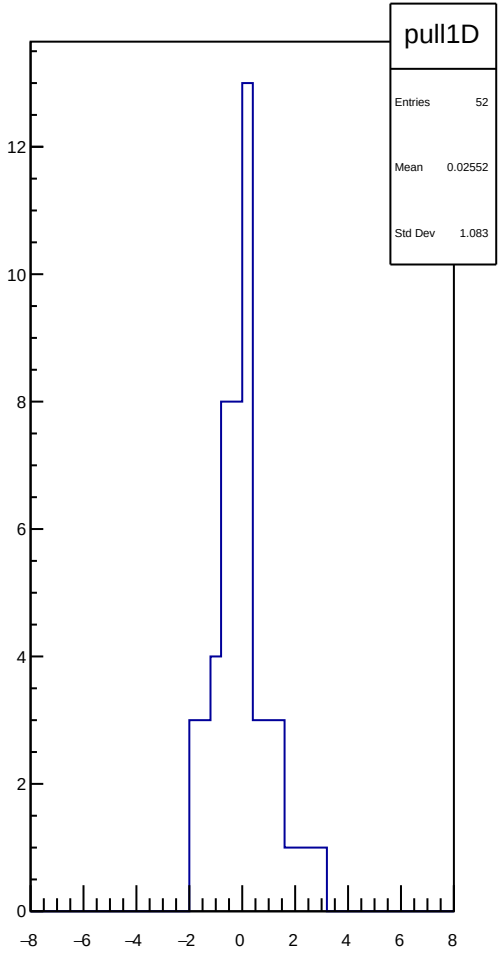

asym_atl_avg_atr_avg_dd_reg_correction_rms vs run
χ² / ndf 1.093e+05 / 51
p0 523.6 ± 0.5467
6000
5000
4000
3000
2000
1000
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

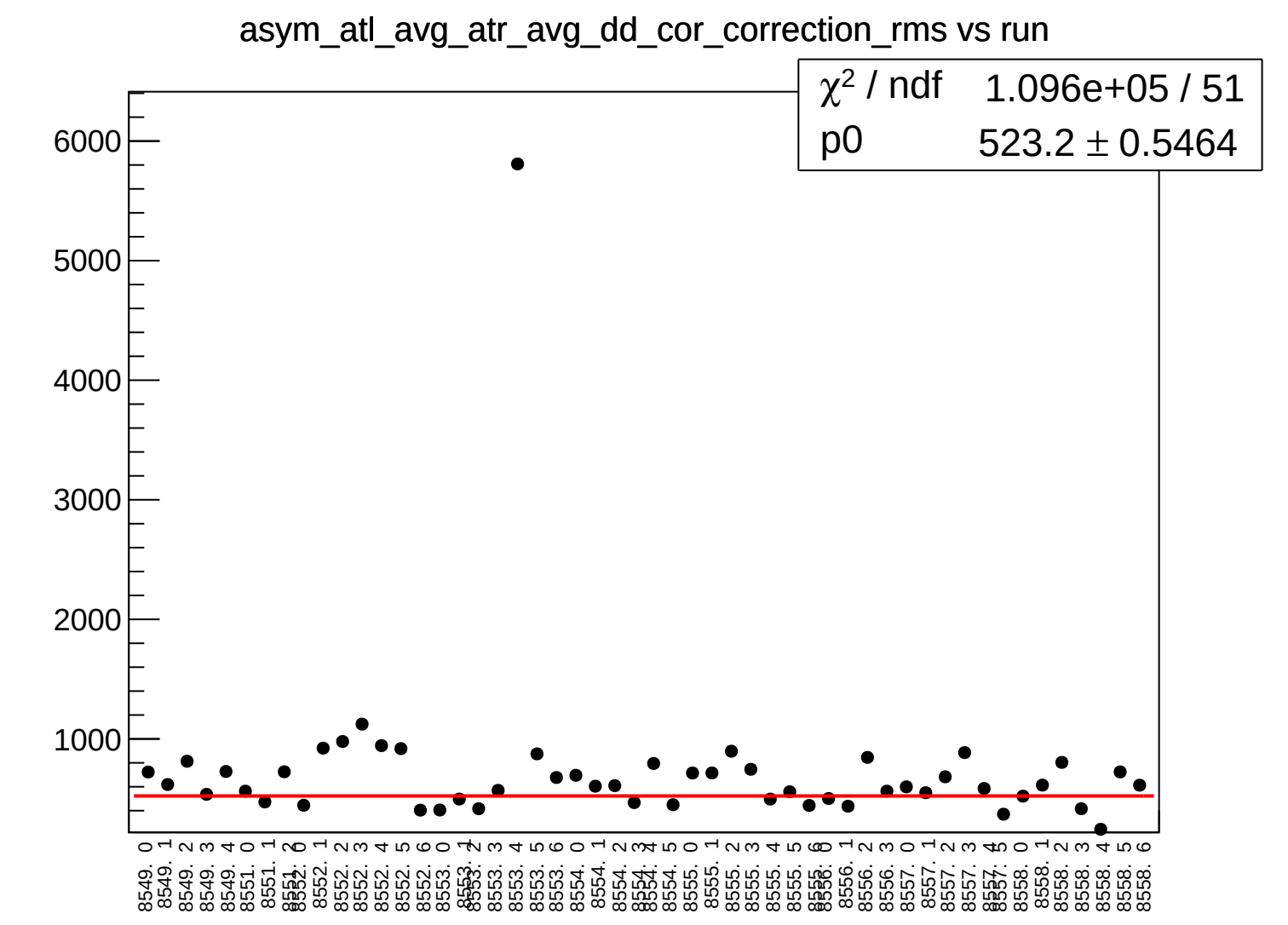

cor_asym_atl_avg_atr_avg_dd_mean vs run
×10^3
χ² / ndf 47.93 / 50
p0 7782 ± 2.224e+04
400
200
0
−200
−400
−600
pull
Entries 51
Mean 216.7
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5


pull1D
Entries 51
Mean −0.01903
Std Dev 0.9693
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


cor_asym_atl_avg_atr_avg_dd_rms vs run
×10^3
400
350
300
250
200
150
100
50
χ² / ndf 3.005e+04 / 51
p0 1.57e+04 ± 15.73
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 5
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6


asym_atl_avg_atr_avg_dd_cor_correction_mean vs run
χ² / ndf 61.07 / 51
p0 391.5 ± 772.7
pull
Entries 52
Mean 34.33
Std Dev 0


pull1D
Entries 52
Mean 0.02552
Std Dev 1.083


asym_atl_avg_atr_avg_dd_cor_correction_rms vs run
χ² / ndf 1.096e+05 / 51
p0 523.2 ± 0.5464
6000
5000
4000
3000
2000
1000
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
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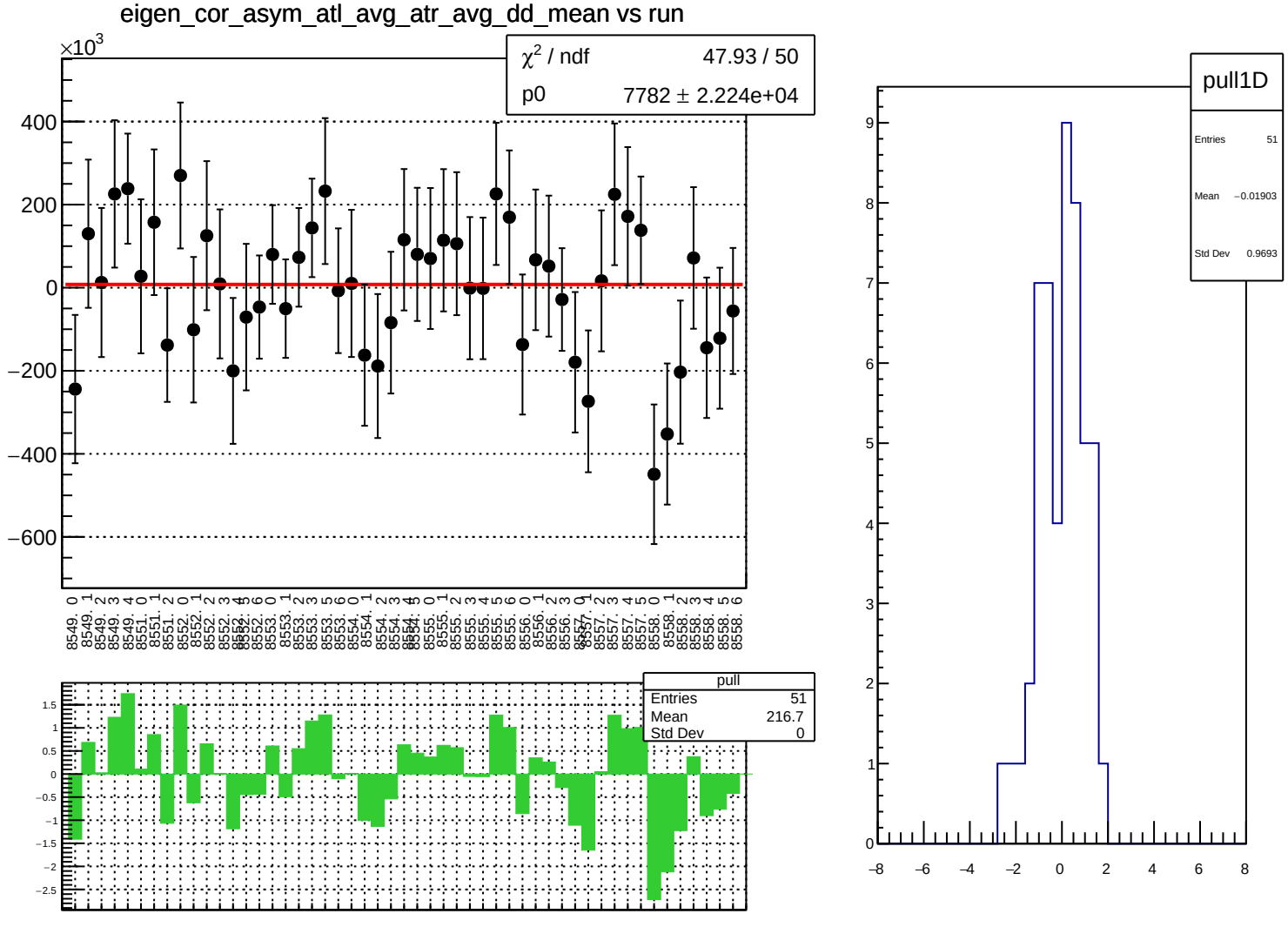
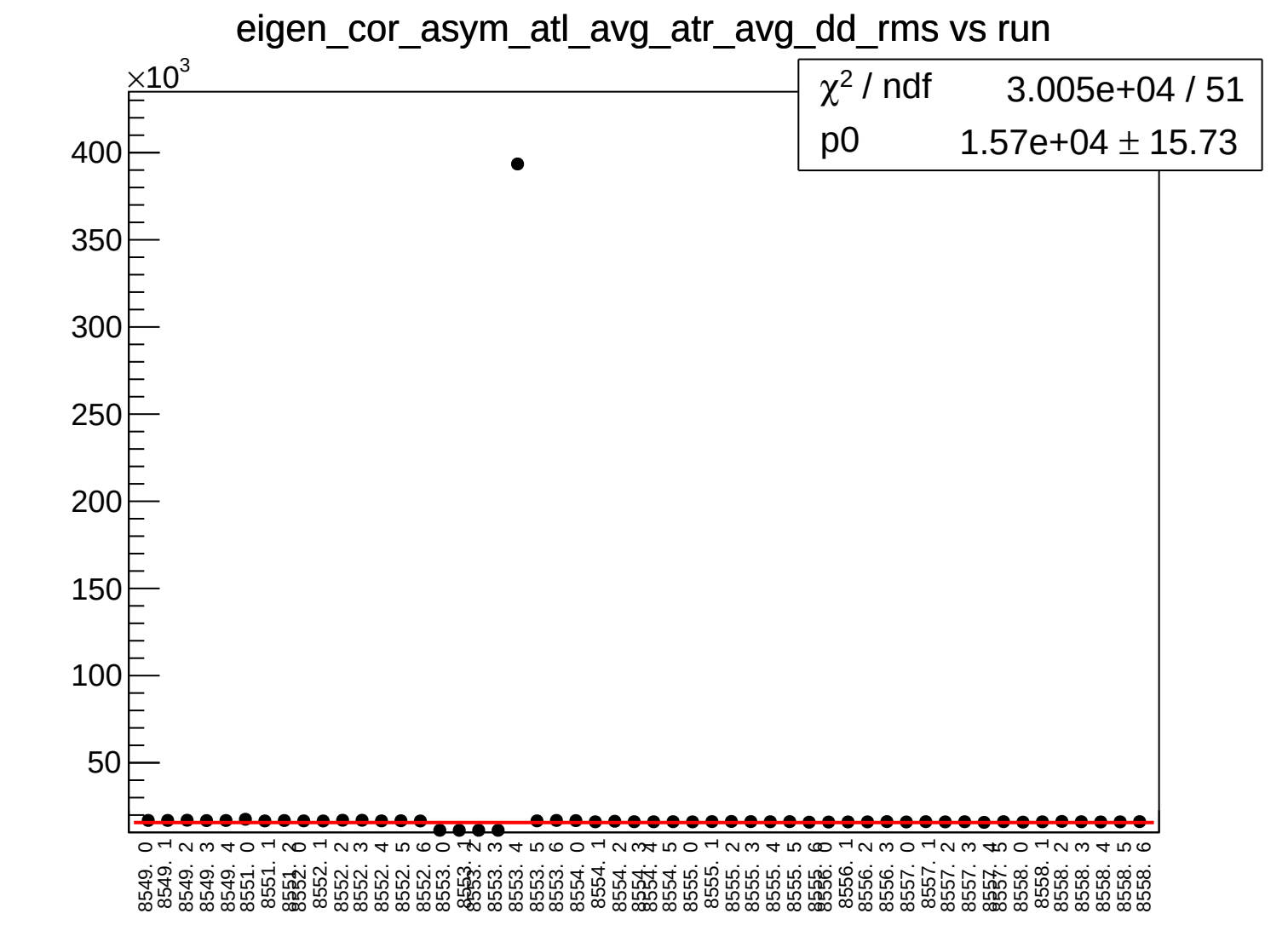
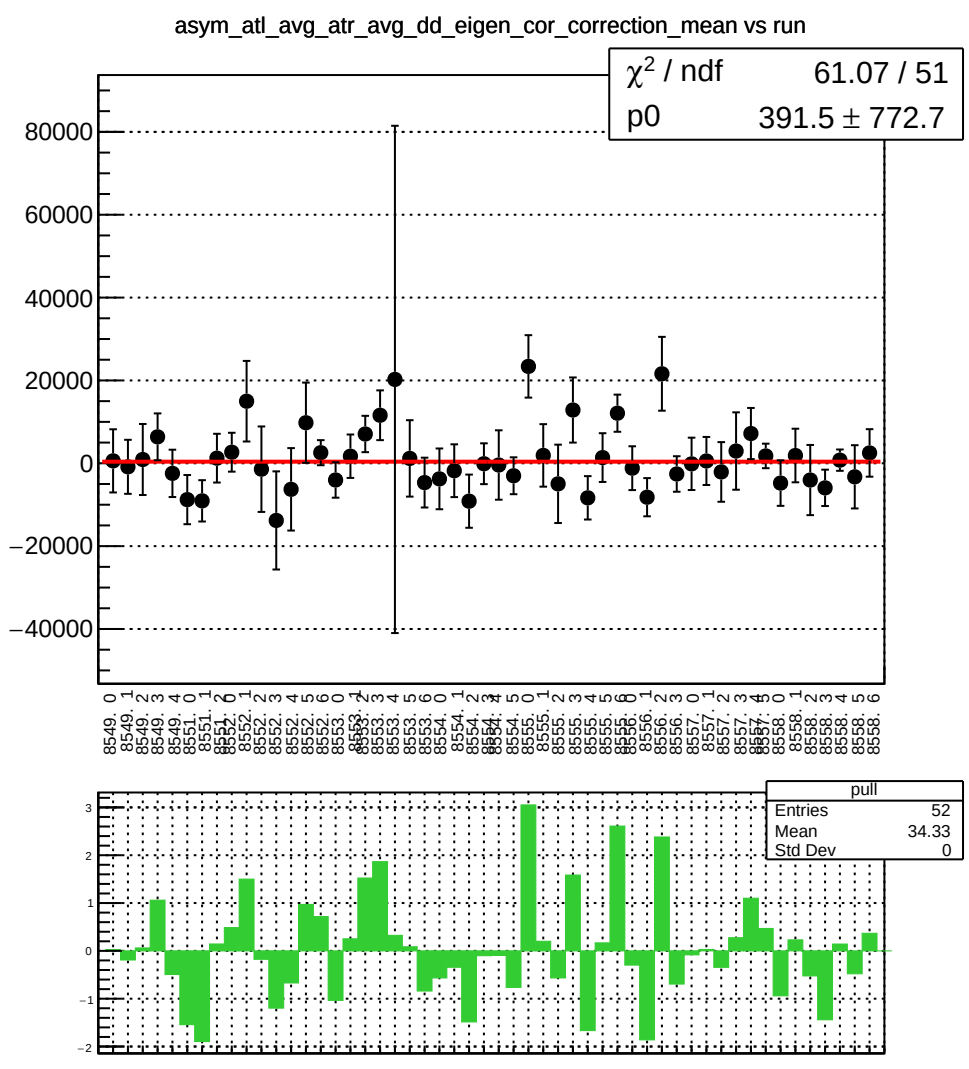
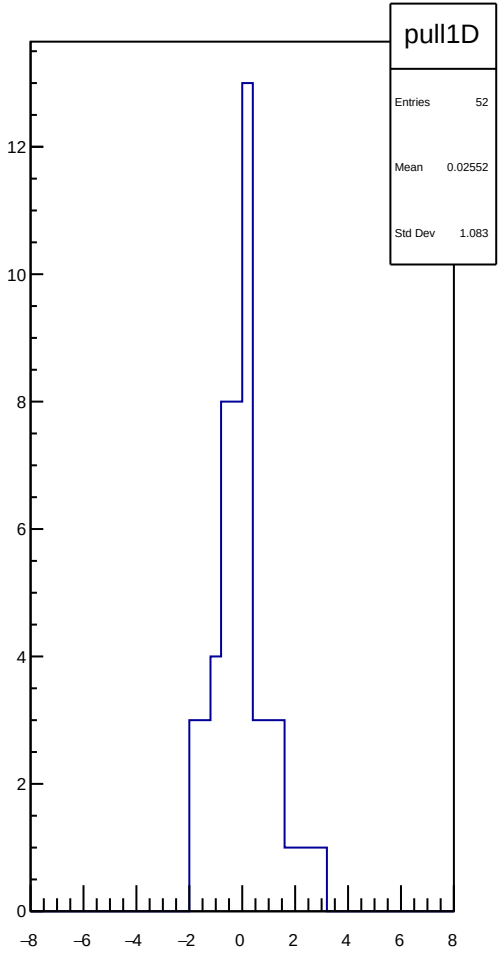
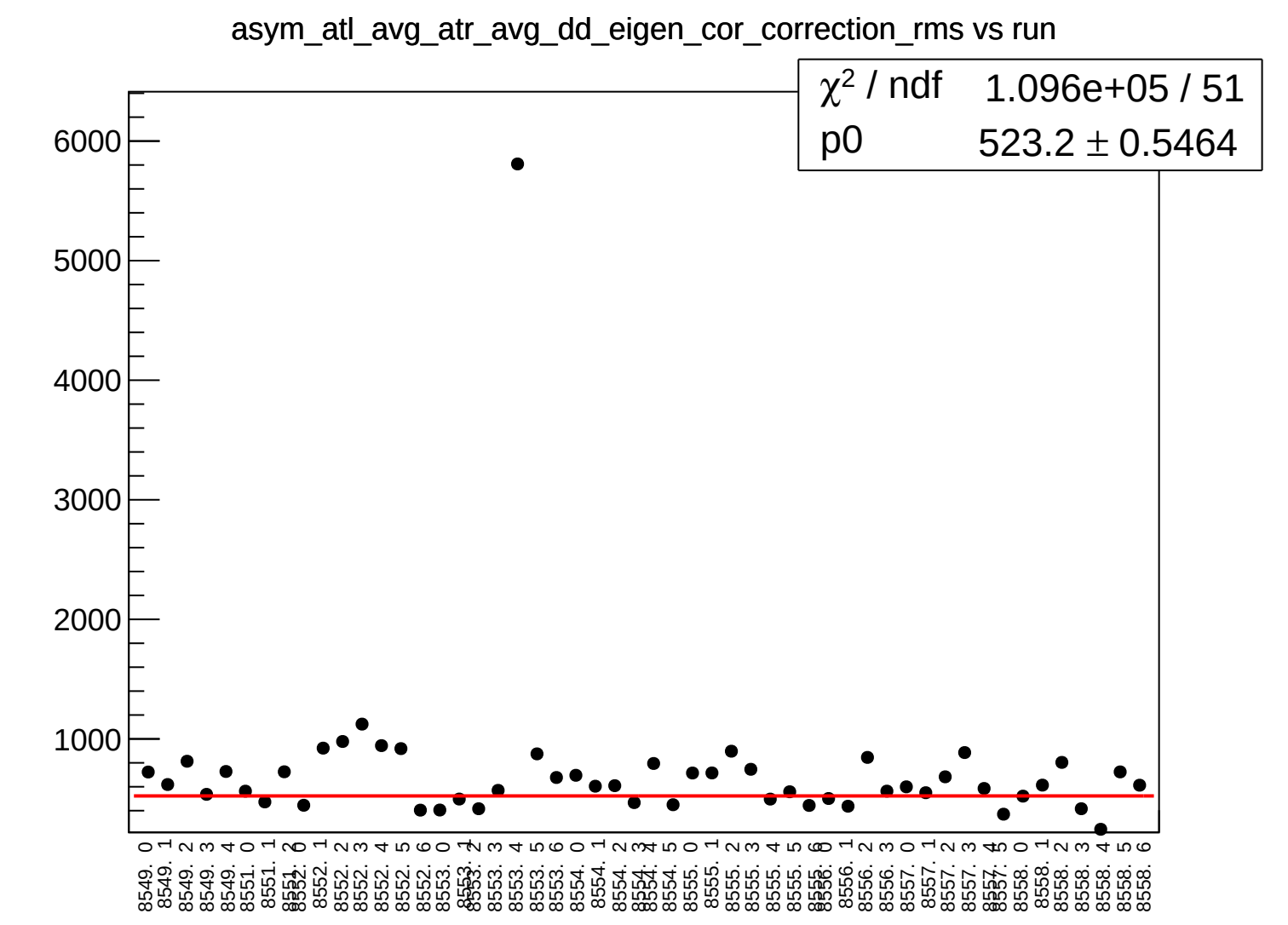
8558. 5
8558. 6


eigen_cor_asym_atl_avg_atr_avg_dd_mean vs run
×10^3
χ² / ndf 47.93 / 50
p0 7782 ± 2.224e+04
pull
Entries 51
Mean 216.7
Std Dev 0
pull1D
Entries 51
Mean −0.01903
Std Dev 0.9693


eigen_cor_asym_atl_avg_atr_avg_dd_rms vs run
×10^3
400
350
300
250
200
150
100
50
χ² / ndf 3.005e+04 / 51
p0 1.57e+04 ± 15.73
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 0
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 1
8553. 2
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 3
8554. 4
8554. 5
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6


asym_atl_avg_atr_avg_dd_eigen_cor_correction_mean vs run
χ² / ndf 61.07 / 51
p0 391.5 ± 772.7
80000
60000
40000
20000
0
−20000
−40000
pull
Entries 52
Mean 34.33
Std Dev 0
3
2
1
0
−1
−2


pull1D
Entries 52
Mean 0.02552
Std Dev 1.083
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


asym_atl_avg_atr_avg_dd_eigen_cor_correction_rms vs run
χ² / ndf 1.096e+05 / 51
p0 523.2 ± 0.5464
6000
5000
4000
3000
2000
1000
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
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8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
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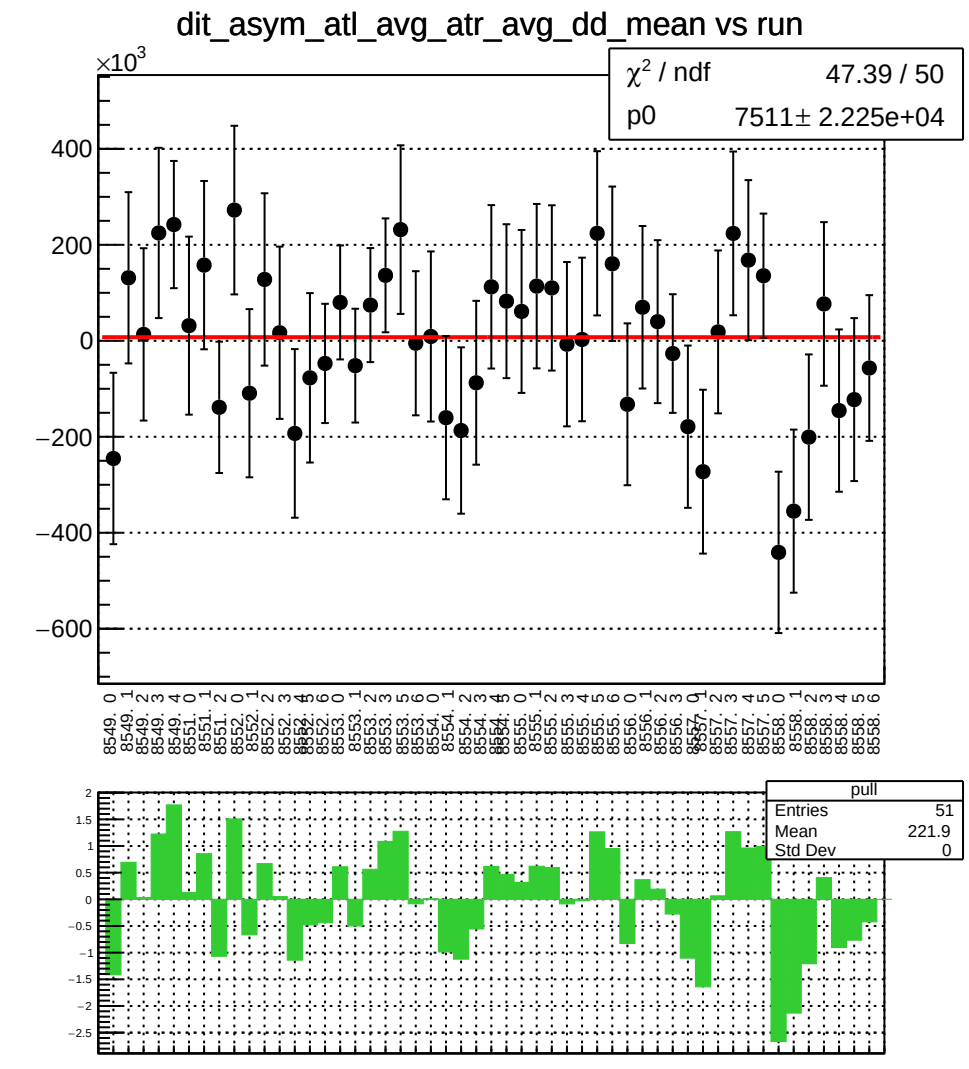
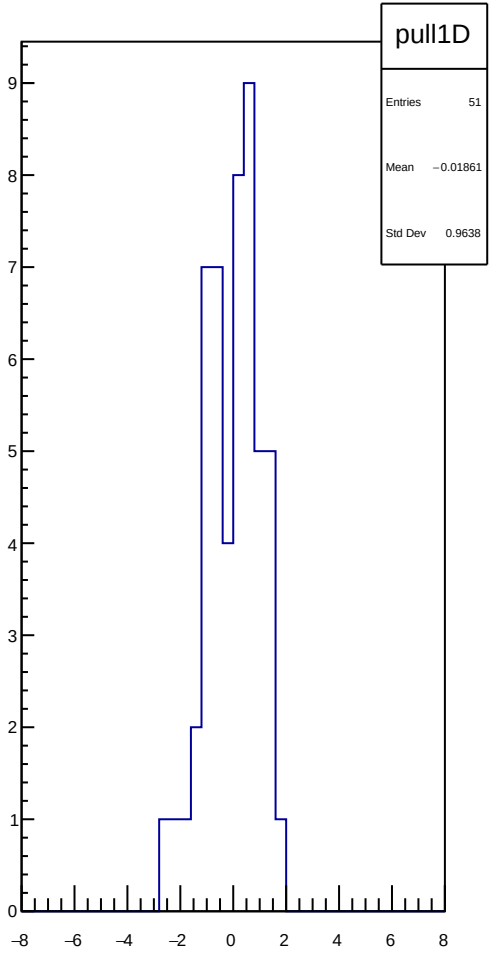
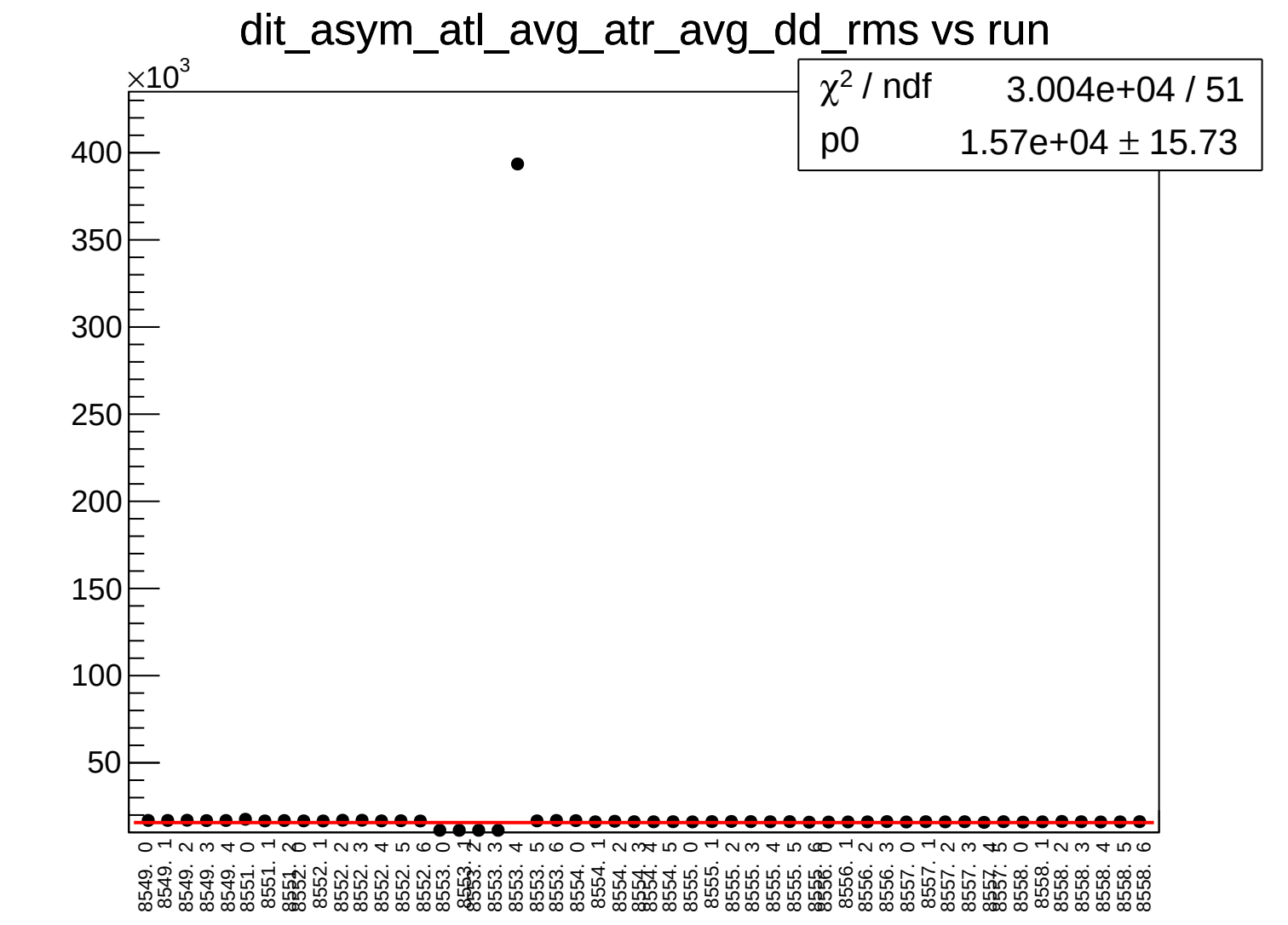
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6


dit_asym_atl_avg_atr_avg_dd_mean vs run
×10^3
χ² / ndf 47.39 / 50
p0 7511± 2.225e+04
400
200
0
−200
−400
−600
pull
Entries 51
Mean 221.9
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5


pull1D
Entries 51
Mean −0.01861
Std Dev 0.9638
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
×10^3
400
350
300
250
200
150
100
50
χ² / ndf 3.004e+04 / 51
p0 1.57e+04 ± 15.73
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 5
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
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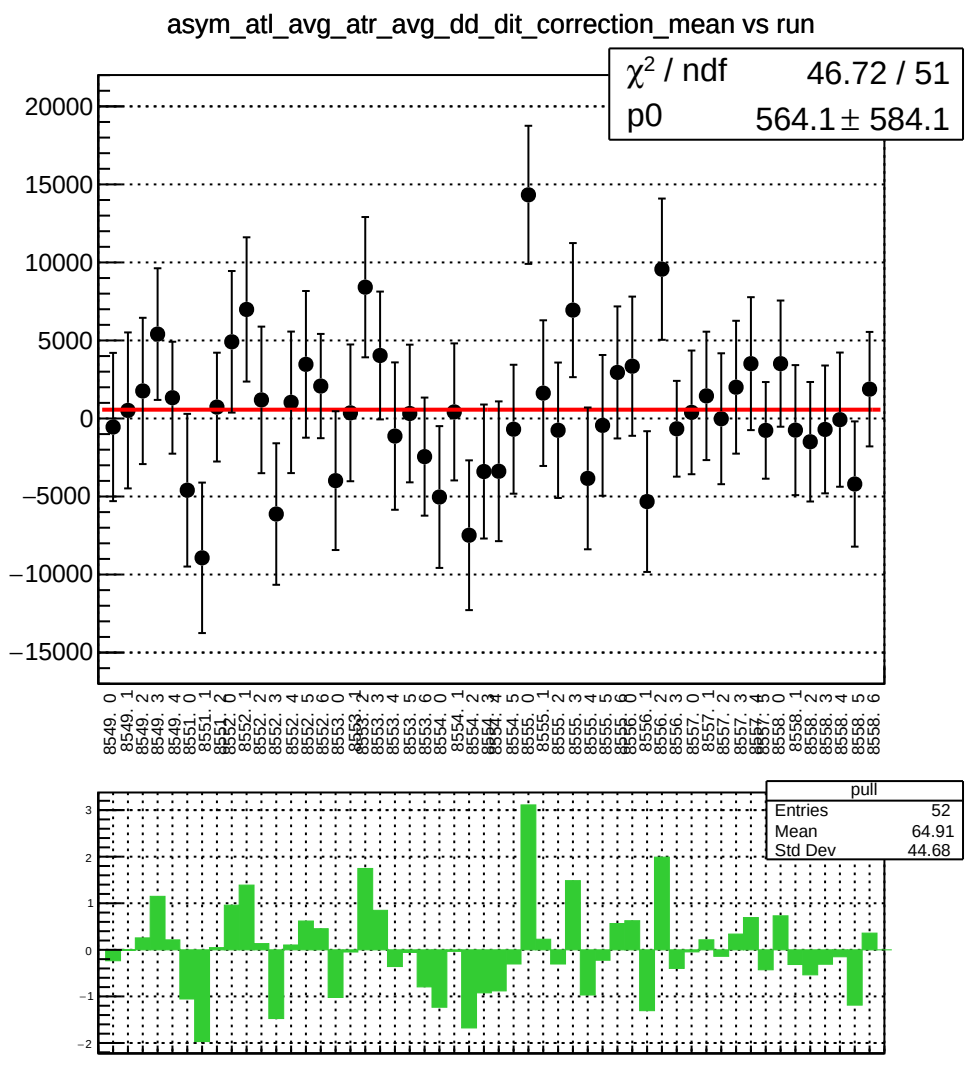
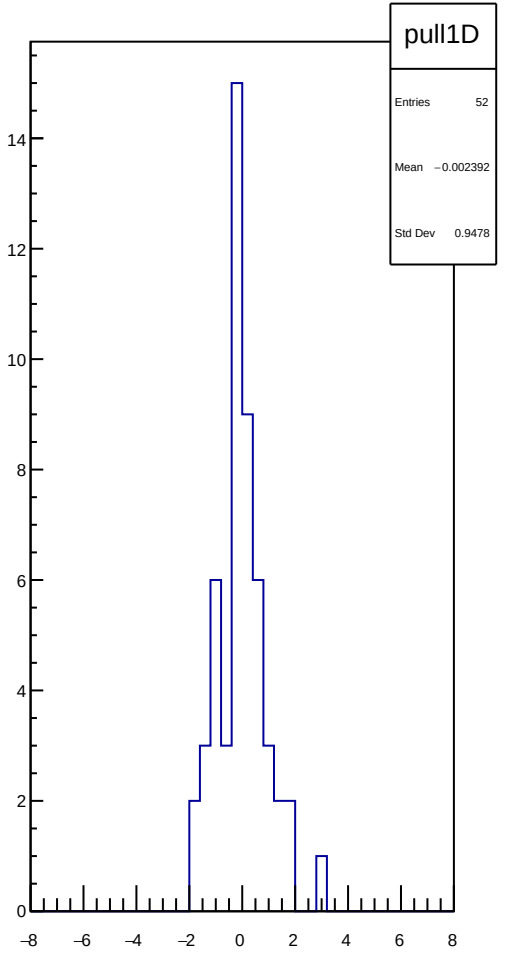
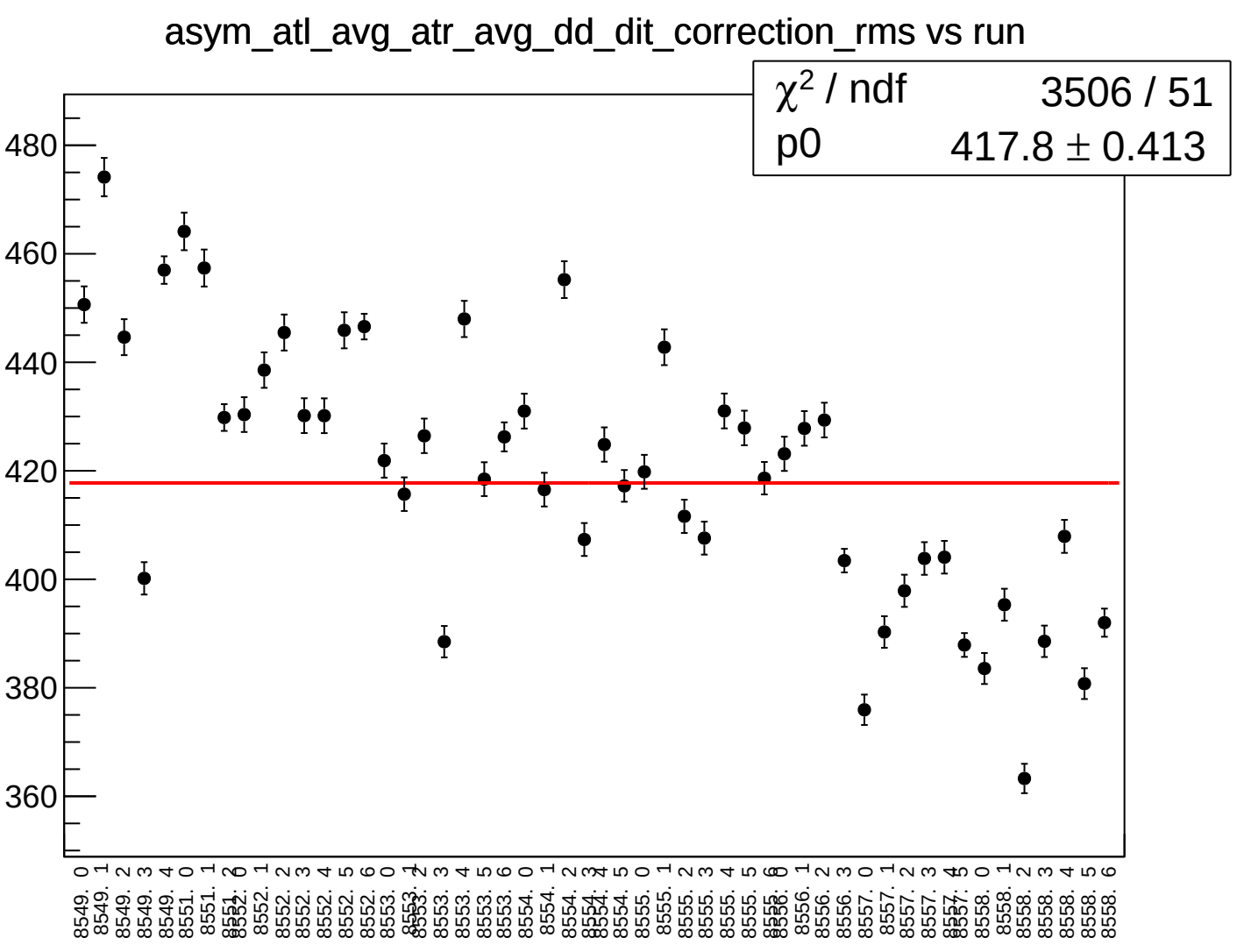
8558. 5
8558. 6


asym_atl_avg_atr_avg_dd_dit_correction_mean vs run
χ² / ndf 46.72 / 51
p0 564.1 ± 584.1
pull
Entries 52
Mean 64.91
Std Dev 44.68


pull1D
Entries 52
Mean −0.002392
Std Dev 0.9478


asym_atl_avg_atr_avg_dd_dit_correction_rms vs run
χ² / ndf 3506 / 51
p0 417.8 ± 0.413
480
460
440
420
400
380
360
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
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8554. 1
8554. 2
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8555. 1
8555. 2
8555. 3
8555. 4
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8556. 1
8556. 2
8556. 3
8557. 0
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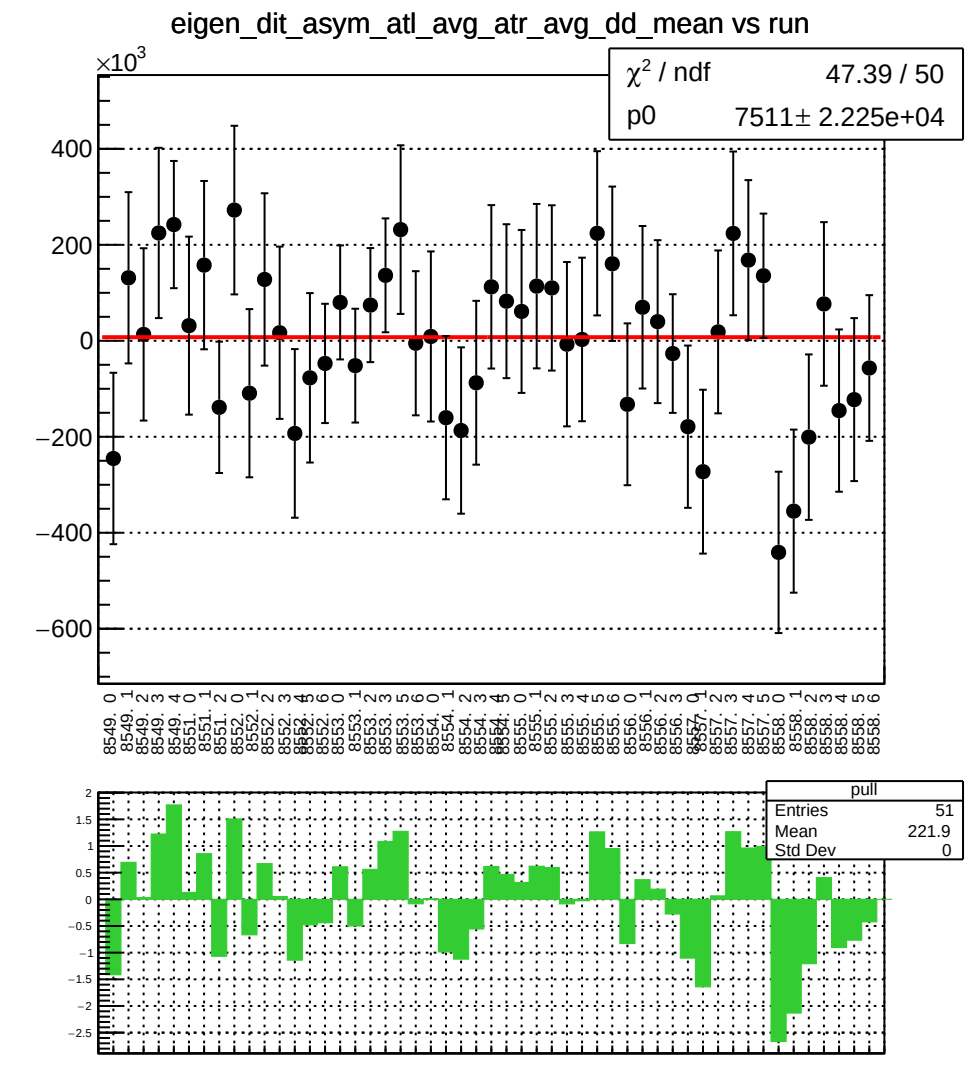
8558. 5
8558. 6


eigen_dit_asym_atl_avg_atr_avg_dd_mean vs run
×10^3
χ² / ndf 47.39 / 50
p0 7511± 2.225e+04
400
200
0
−200
−400
−600
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8551. 2
8552. 0
8552. 1
8552. 2
8552. 3
8552. 4
8552. 6
8553. 0
8553. 1
8553. 2
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8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
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8554. 4
8554. 5
8555. 0
8555. 1
8555. 2
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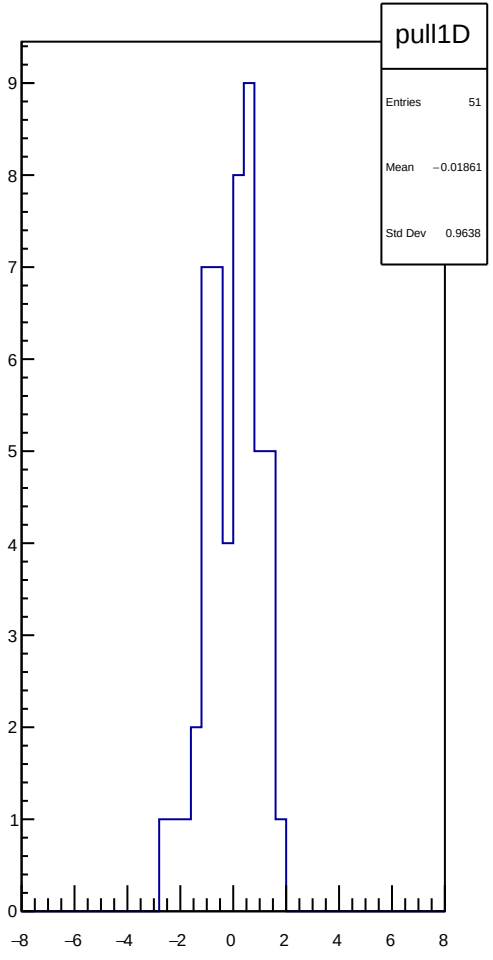
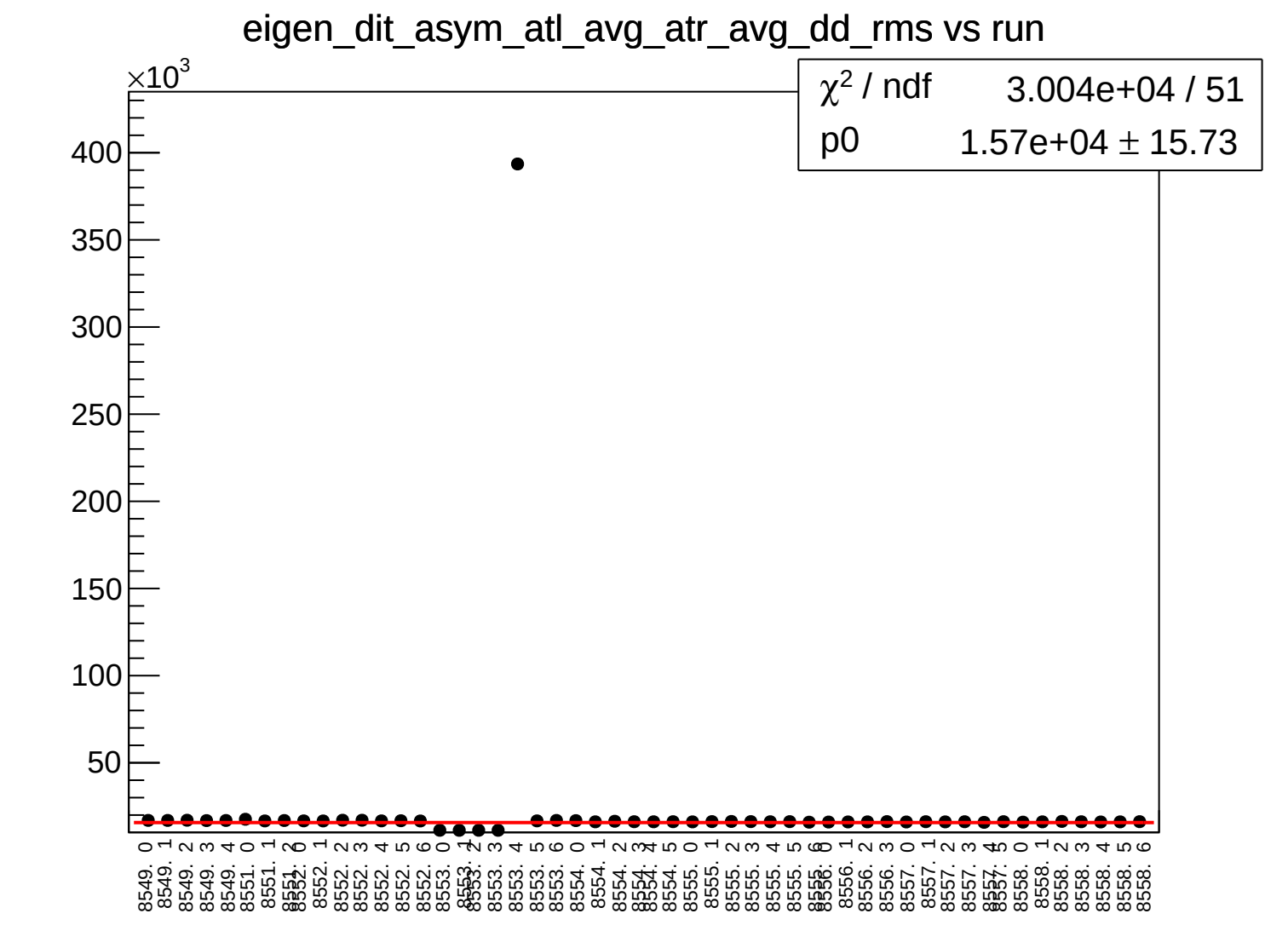
8555. 4
8555. 5
8555. 6
8556. 0
8556. 1
8556. 2
8556. 3
8556. 5
8557. 0
8557. 1
8557. 2
8557. 3
8557. 4
8557. 5
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6
pull
Entries 51
Mean 221.9
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5


pull1D
Entries 51
Mean −0.01861
Std Dev 0.9638
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
×10^3
χ^2 / ndf 3.004e+04 / 51
p0 1.57e+04 ± 15.73
400
350
300
250
200
150
100
50
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 5
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
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8558. 2
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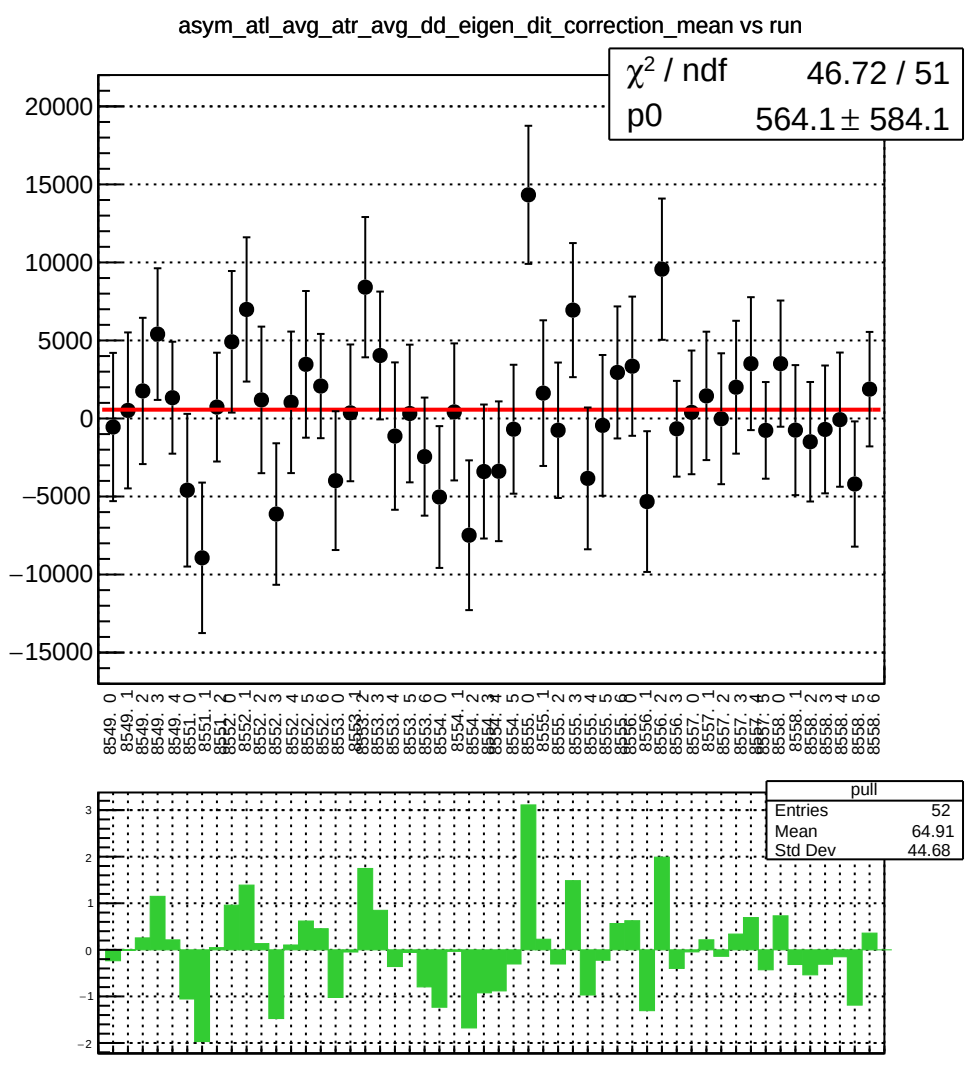
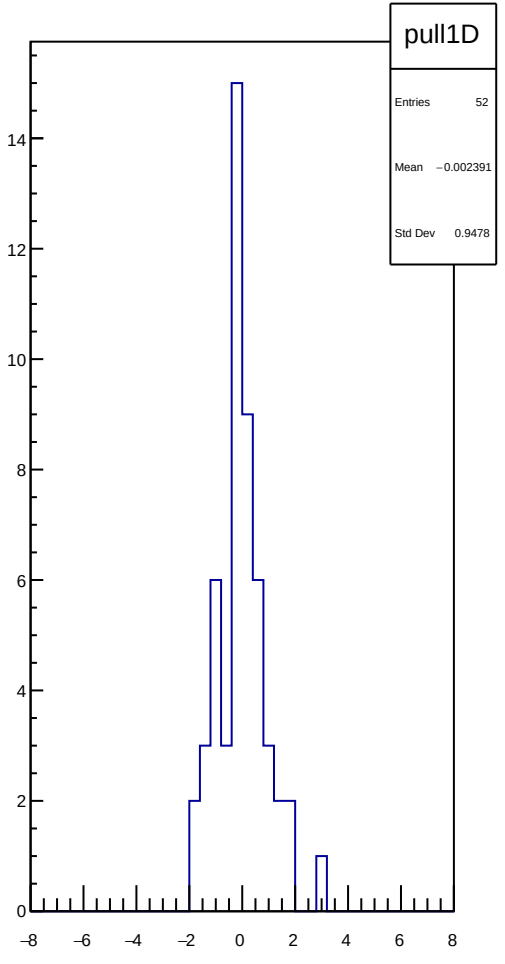
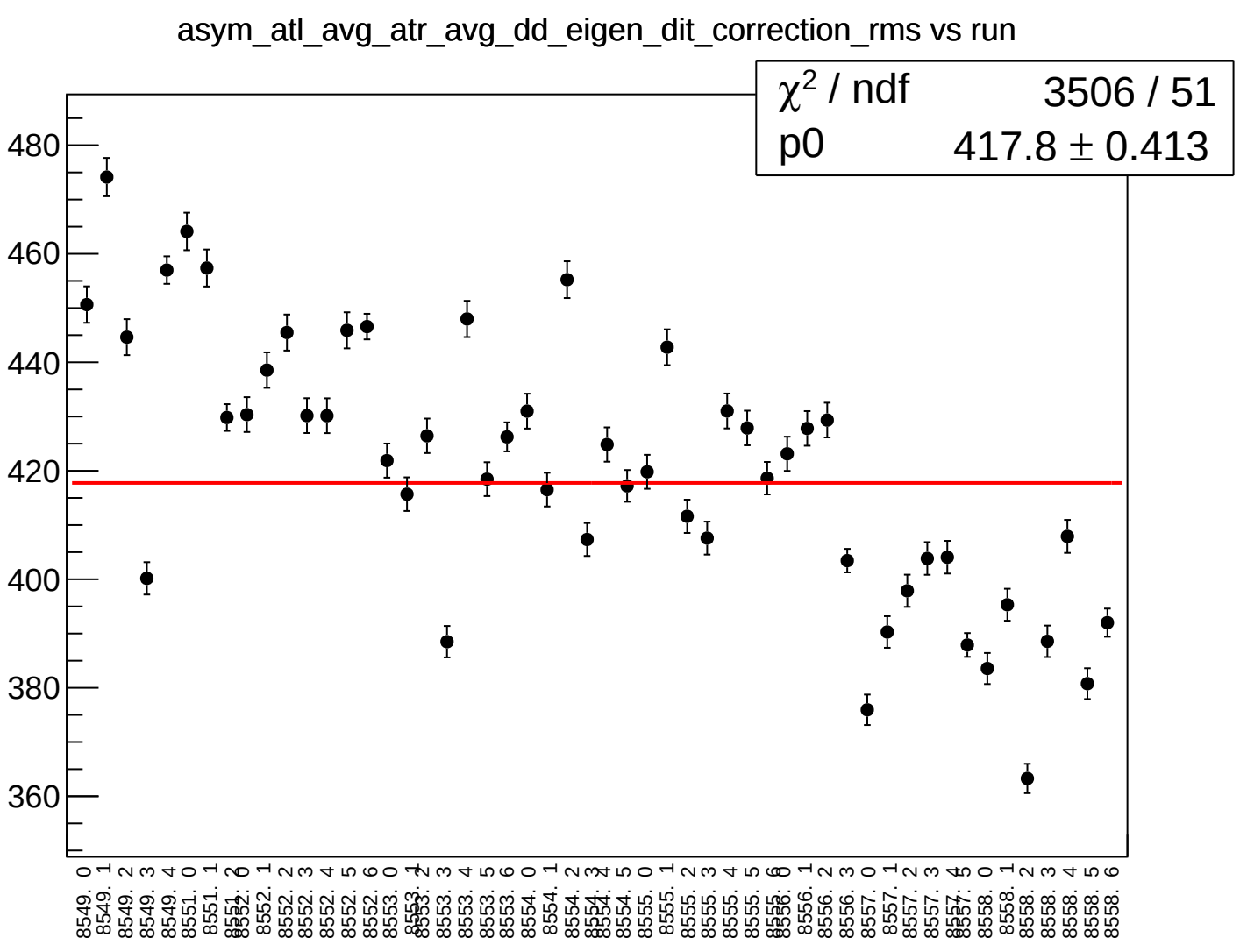
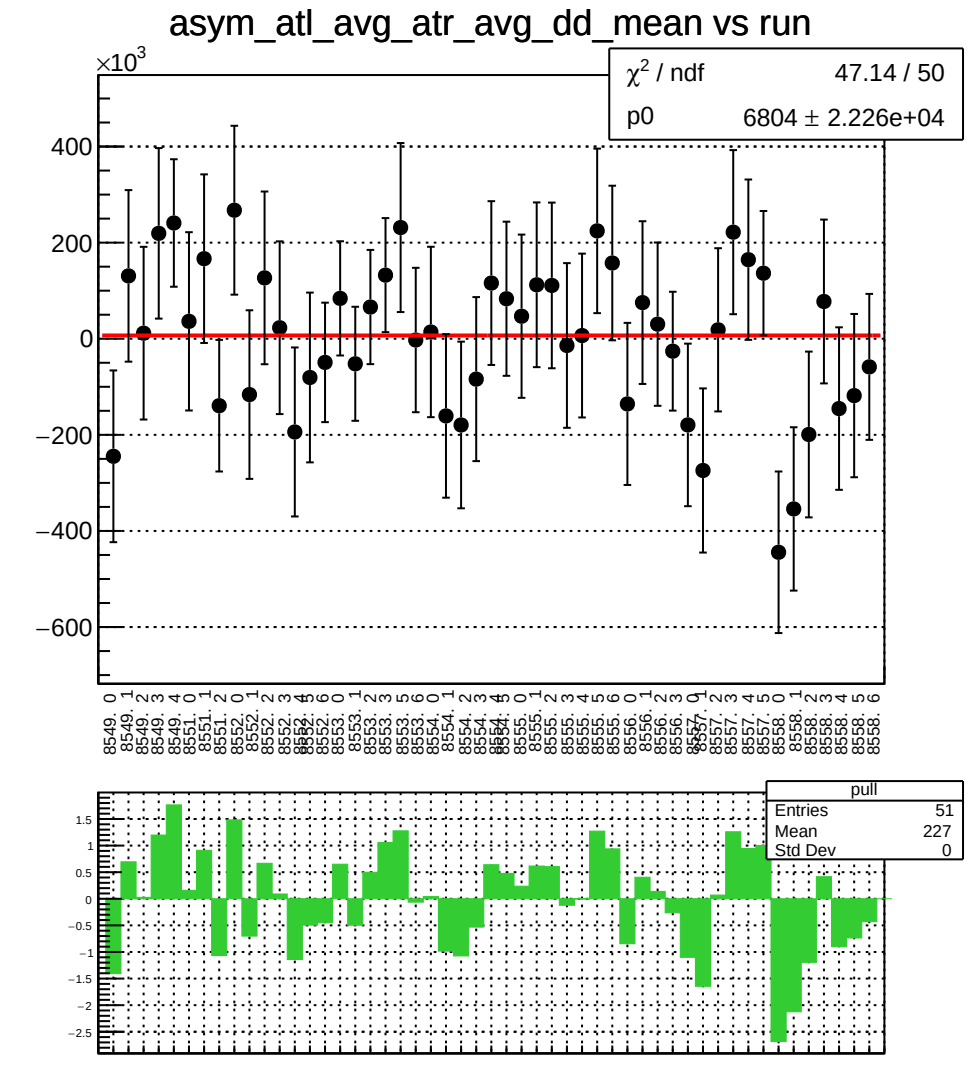
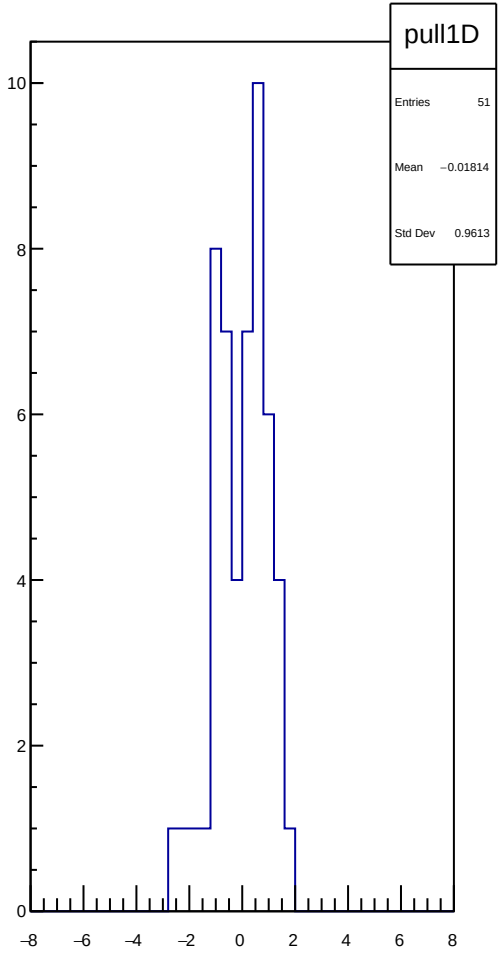
8558. 5
8558. 6

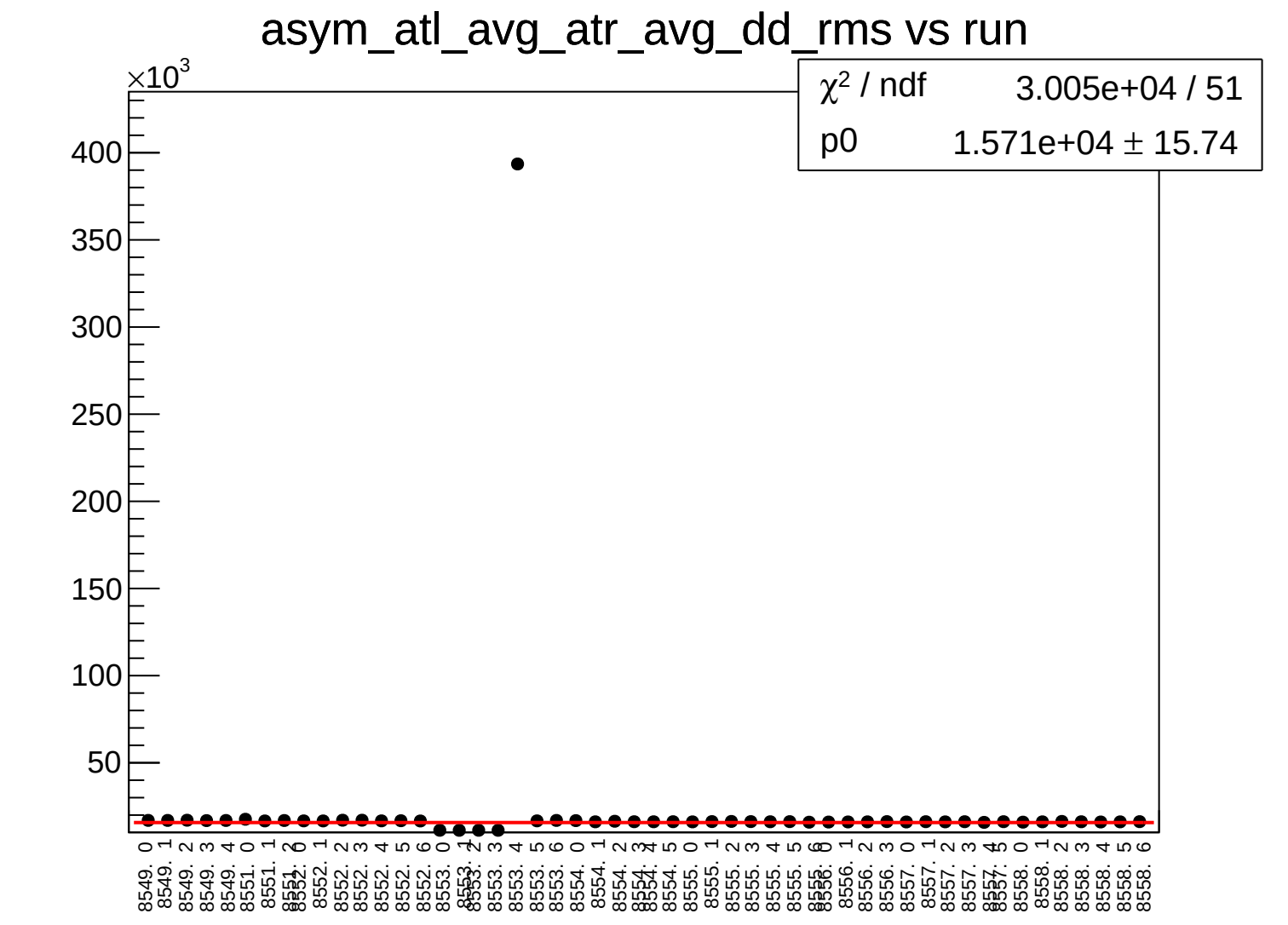

asym_atl_avg_atr_avg_dd_eigen_dit_correction_mean vs run
χ² / ndf 46.72 / 51
p0 564.1 ± 584.1
pull
Entries 52
Mean 64.91
Std Dev 44.68

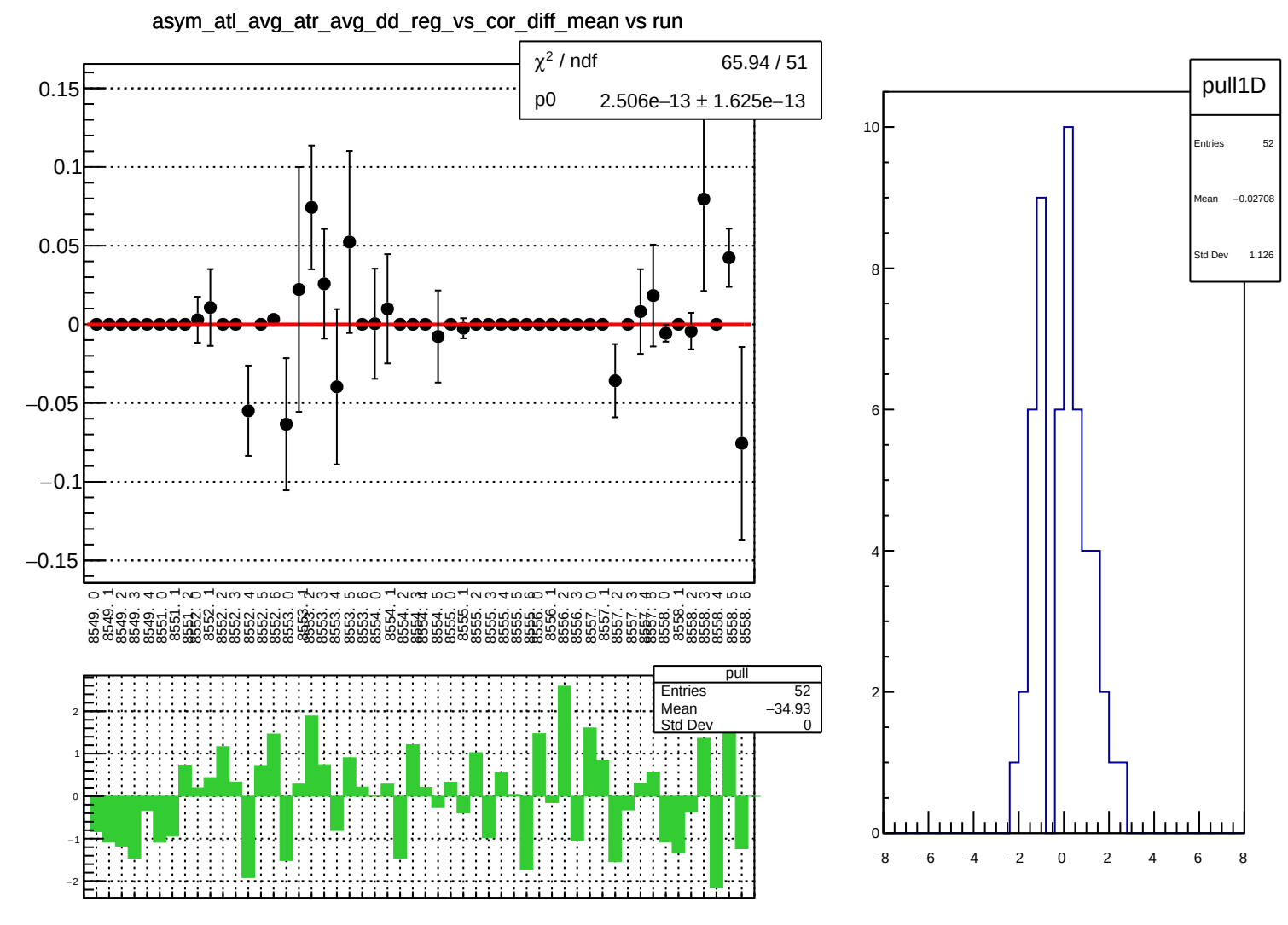

pull1D
Entries 52
Mean −0.002391
Std Dev 0.9478

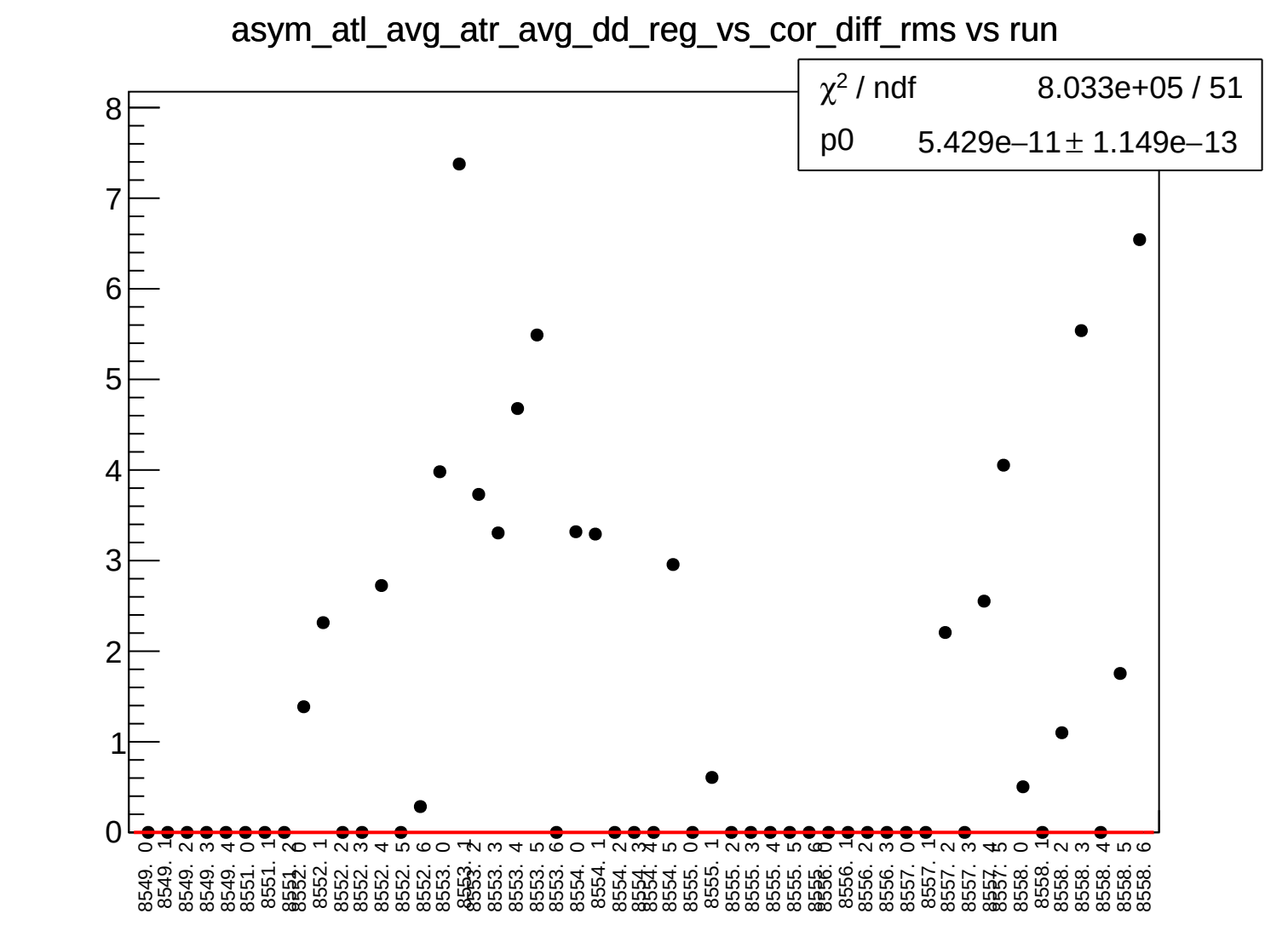

asym_atl_avg_atr_avg_dd_eigen_dit_correction_rms vs run
χ² / ndf 3506 / 51
p0 417.8 ± 0.413
480
460
440
420
400
380
360
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 5
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

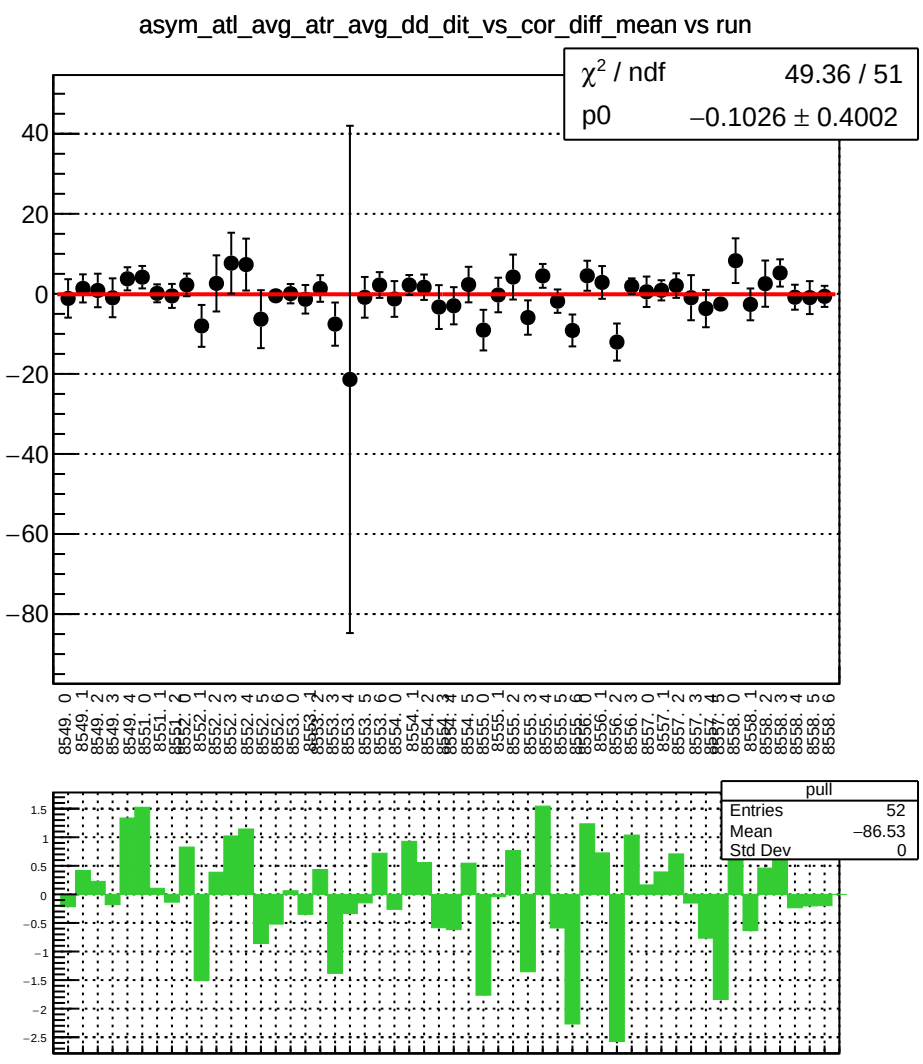

asym_atl_avg_atr_avg_dd_mean vs run
×10^3
χ² / ndf 47.14 / 50
p0 6804 ± 2.226e+04
400
200
0
−200
−400
−600
pull
Entries 51
Mean 227
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

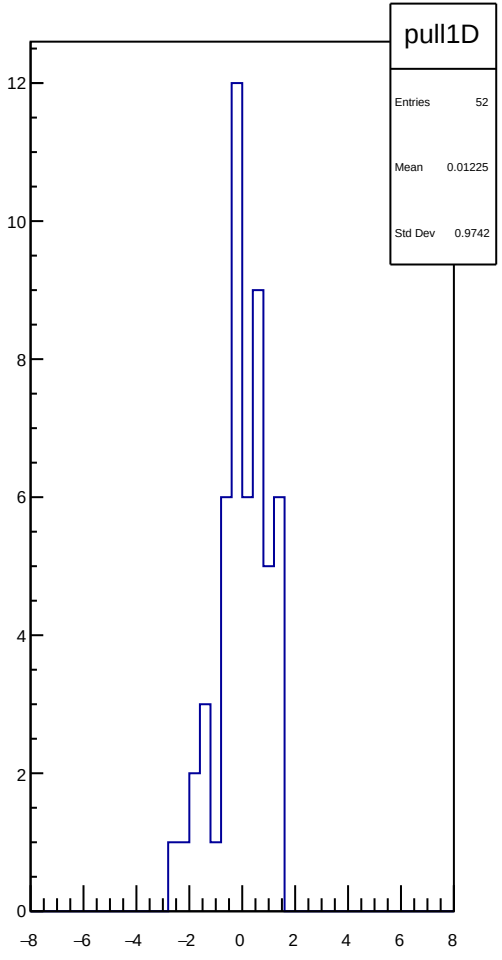

pull1D
Entries 51
Mean −0.01814
Std Dev 0.9613
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

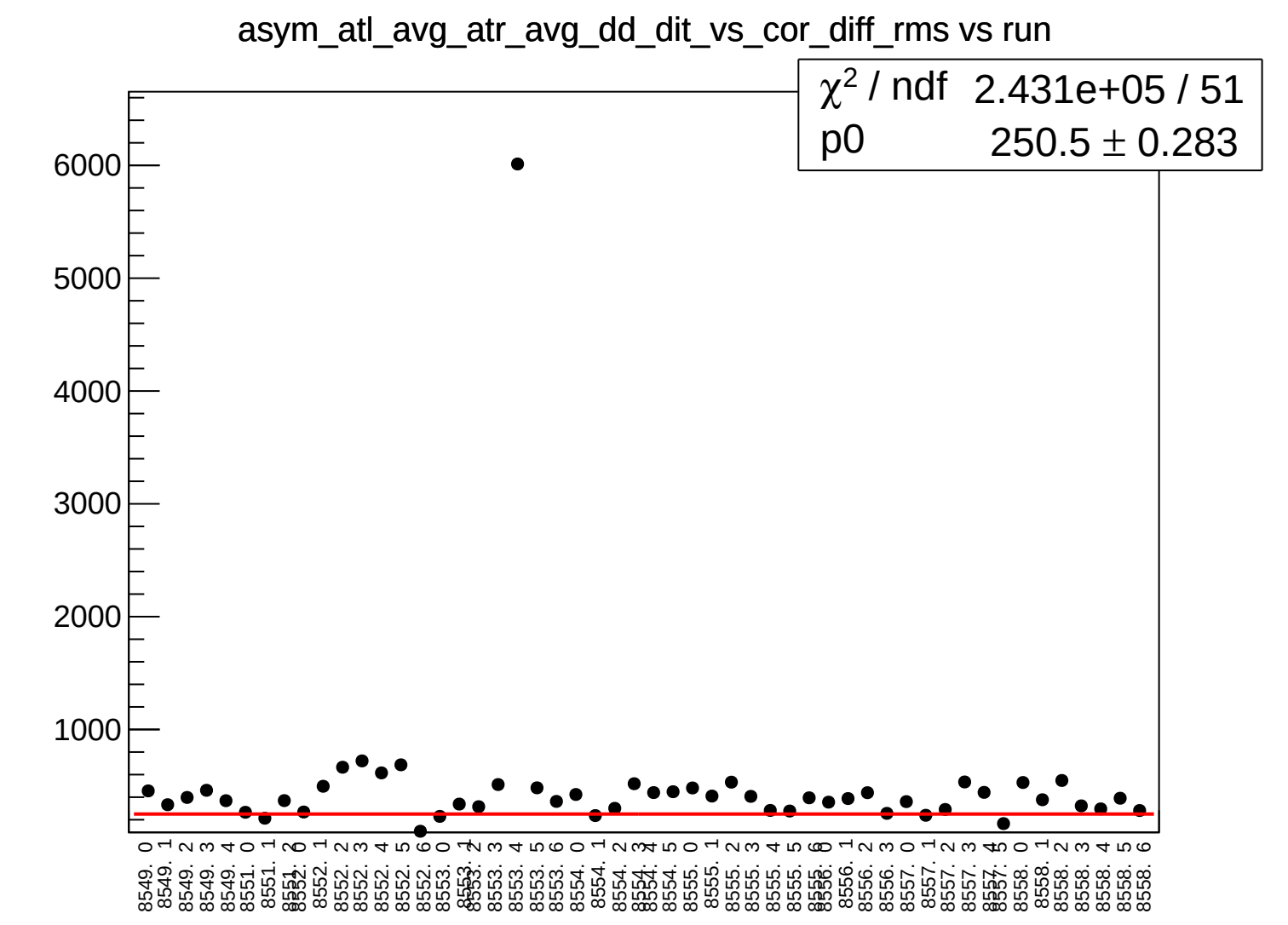

asym_atl_avg_atr_avg_dd_rms vs run
×10^3
400
350
300
250
200
150
100
50
χ² / ndf 3.005e+04 / 51
p0 1.571e+04 ± 15.74
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 5
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

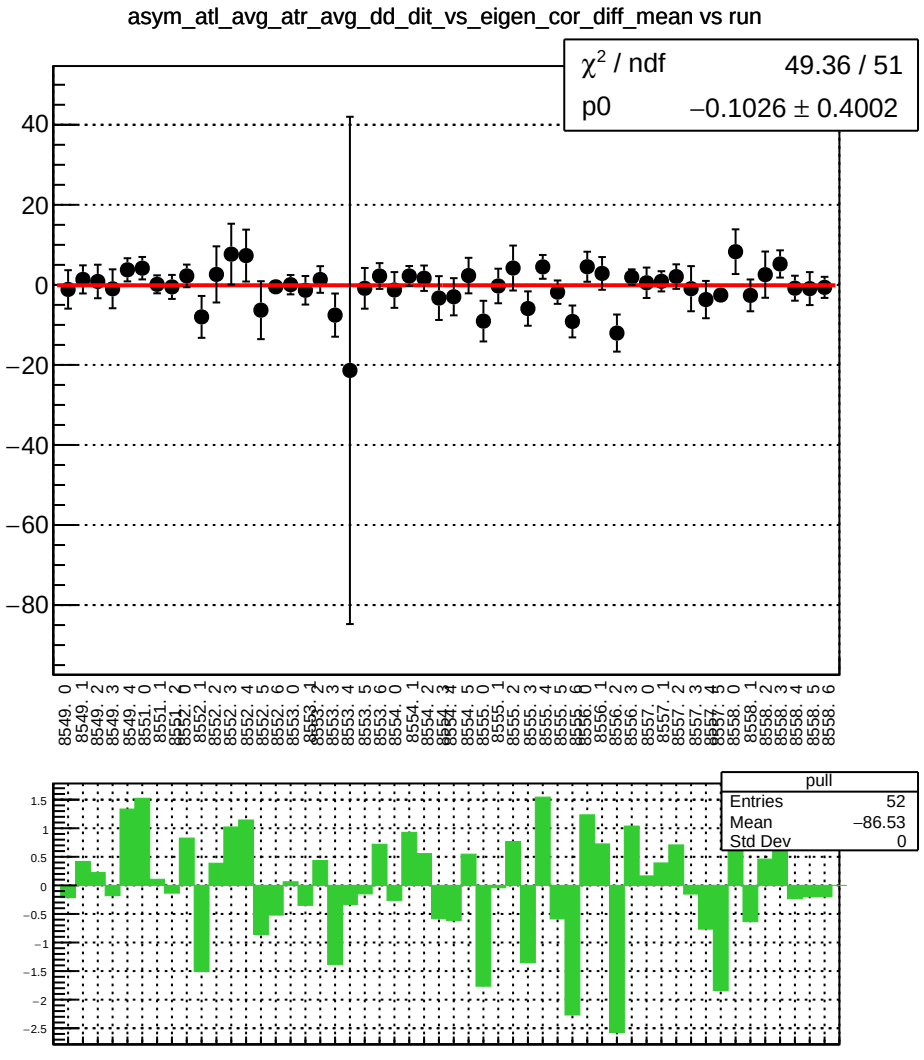

asym_atl_avg_atr_avg_dd_reg_vs_cor_diff_mean vs run
χ² / ndf 65.94 / 51
p0 2.506e−13 ± 1.625e−13
0.15
0.1
0.05
0
−0.05
−0.1
−0.15
pull
Entries 52
Mean −34.93
Std Dev 0
pull1D
Entries 52
Mean −0.02708
Std Dev 1.126

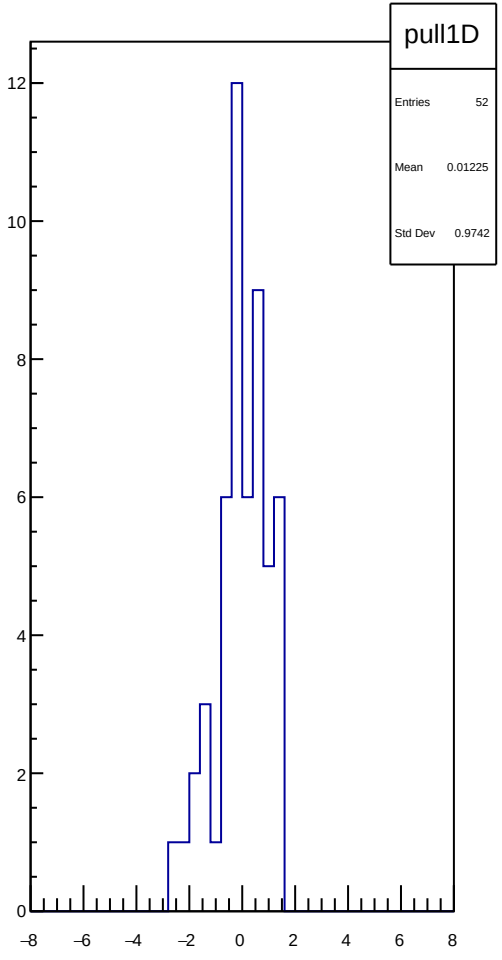

asym_atl_avg_atr_avg_dd_reg_vs_cor_diff_rms vs run
χ² / ndf 8.033e+05 / 51
p0 5.429e−11 ± 1.149e−13
0
1
2
3
4
5
6
7
8
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8551. 2
8552. 0
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 1
8553. 2
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 3
8554. 4
8554. 5
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8555. 6
8556. 0
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8557. 4
8557. 5
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

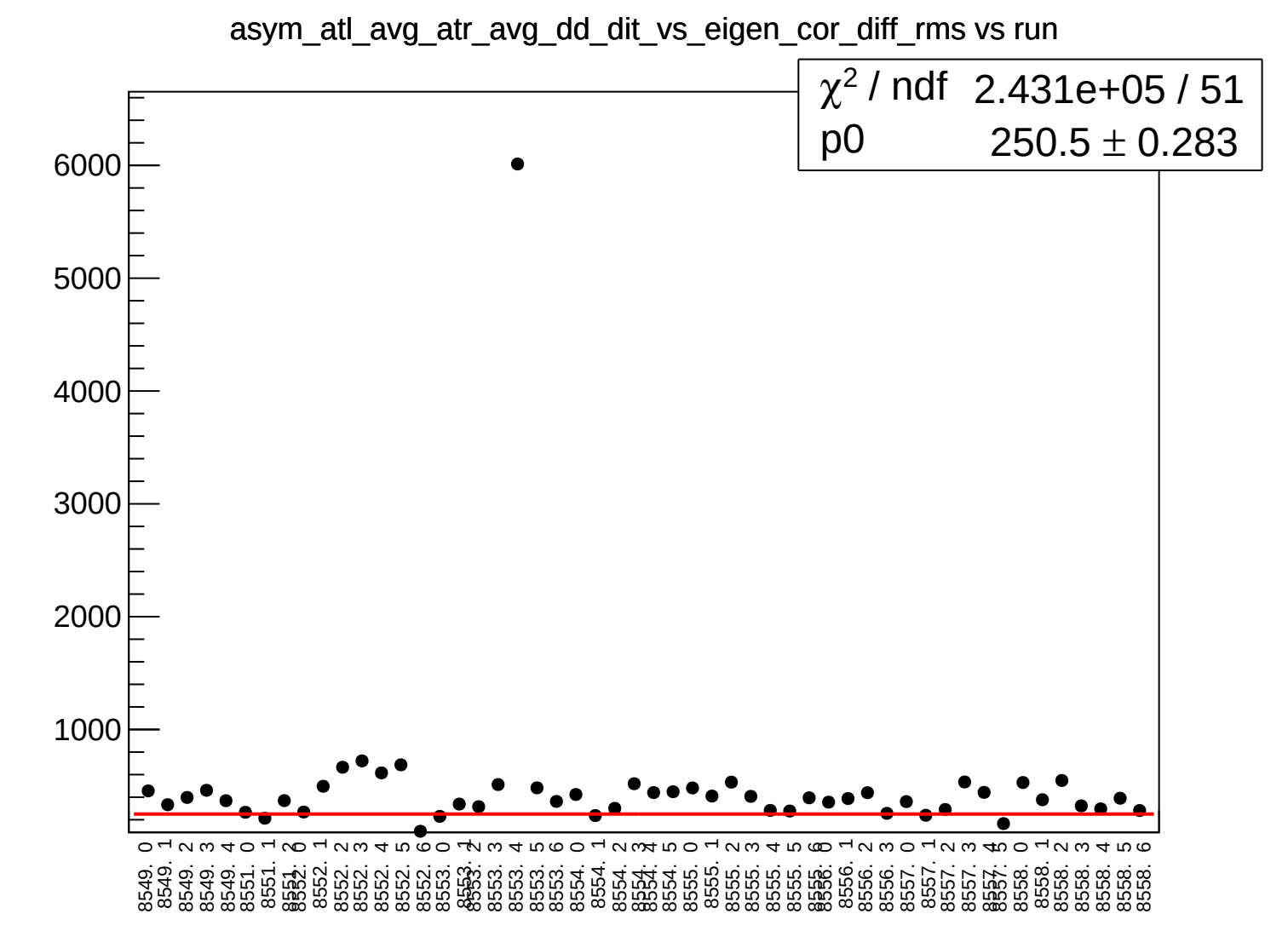

asym_atl_avg_atr_avg_dd_dit_vs_cor_diff_mean vs run
χ² / ndf 49.36 / 51
p0 −0.1026 ± 0.4002
pull
Entries 52
Mean −86.53
Std Dev 0

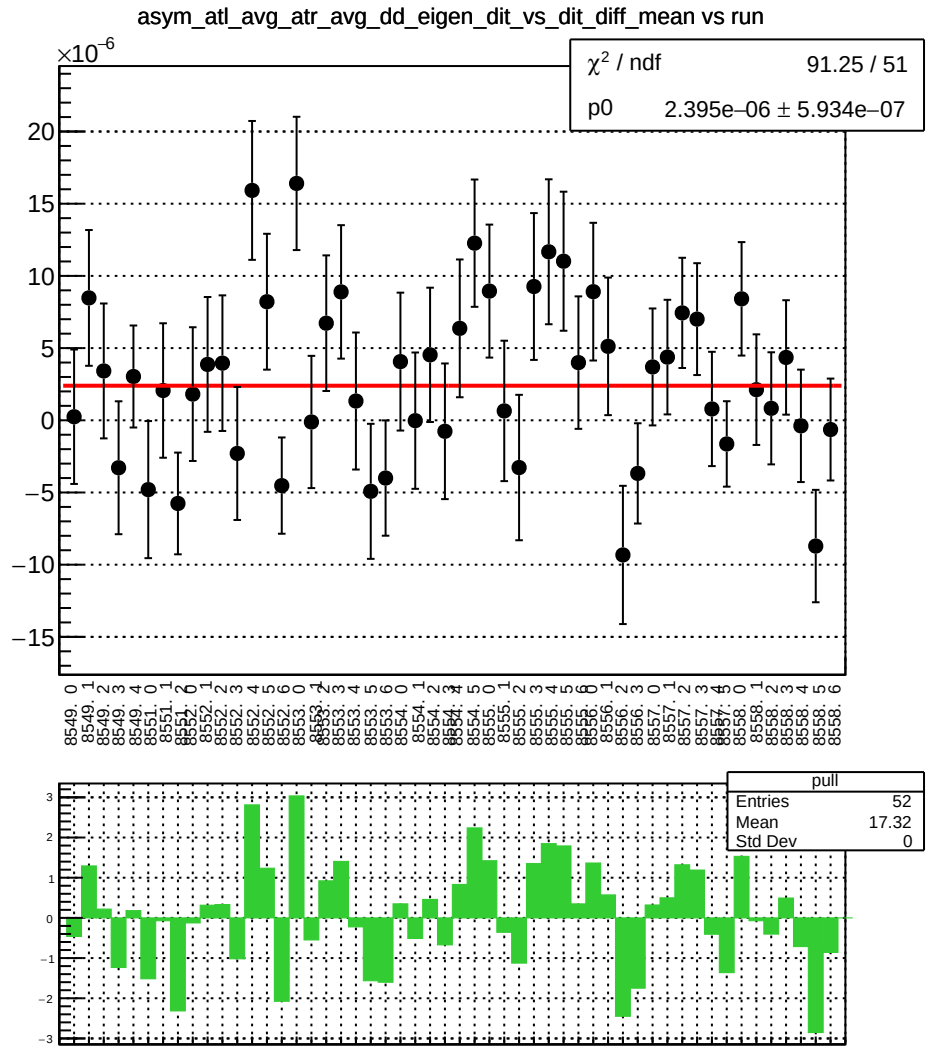

pull1D
Entries 52
Mean 0.01225
Std Dev 0.9742

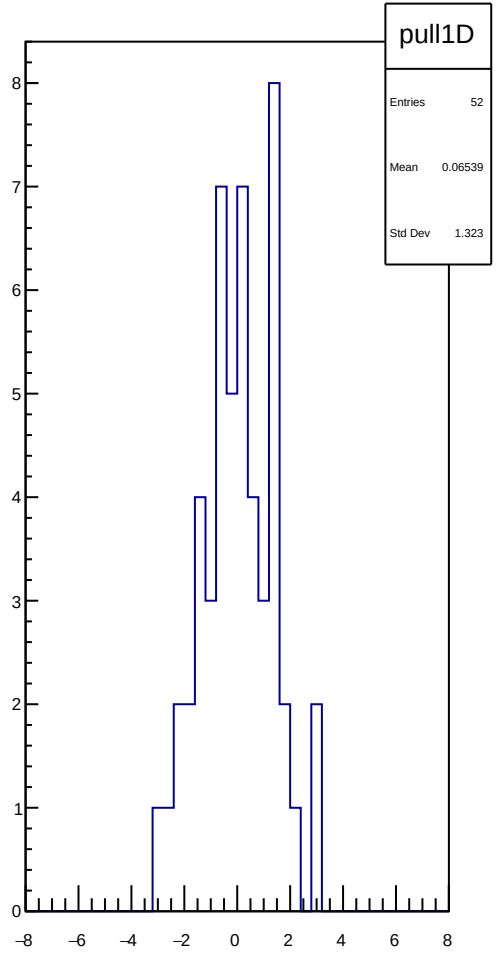

asym_atl_avg_atr_avg_dd_dit_vs_cor_diff_rms vs run
χ² / ndf 2.431e+05 / 51
p0 250.5 ± 0.283
6000
5000
4000
3000
2000
1000
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 0
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 1
8553. 2
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 5
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

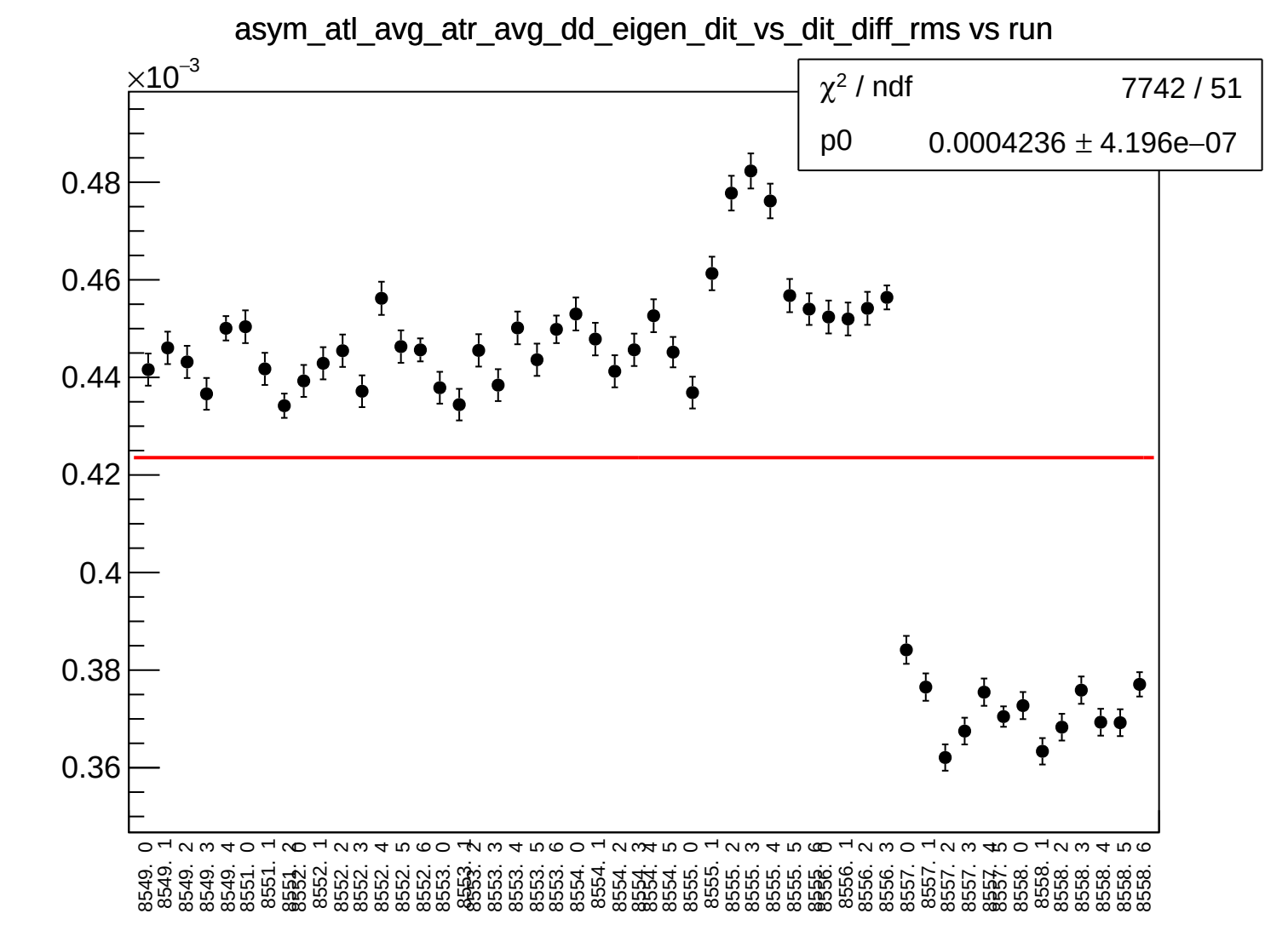

asym_atl_avg_atr_avg_dd_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 49.36 / 51
p0 −0.1026 ± 0.4002
pull
Entries 52
Mean −86.53
Std Dev 0

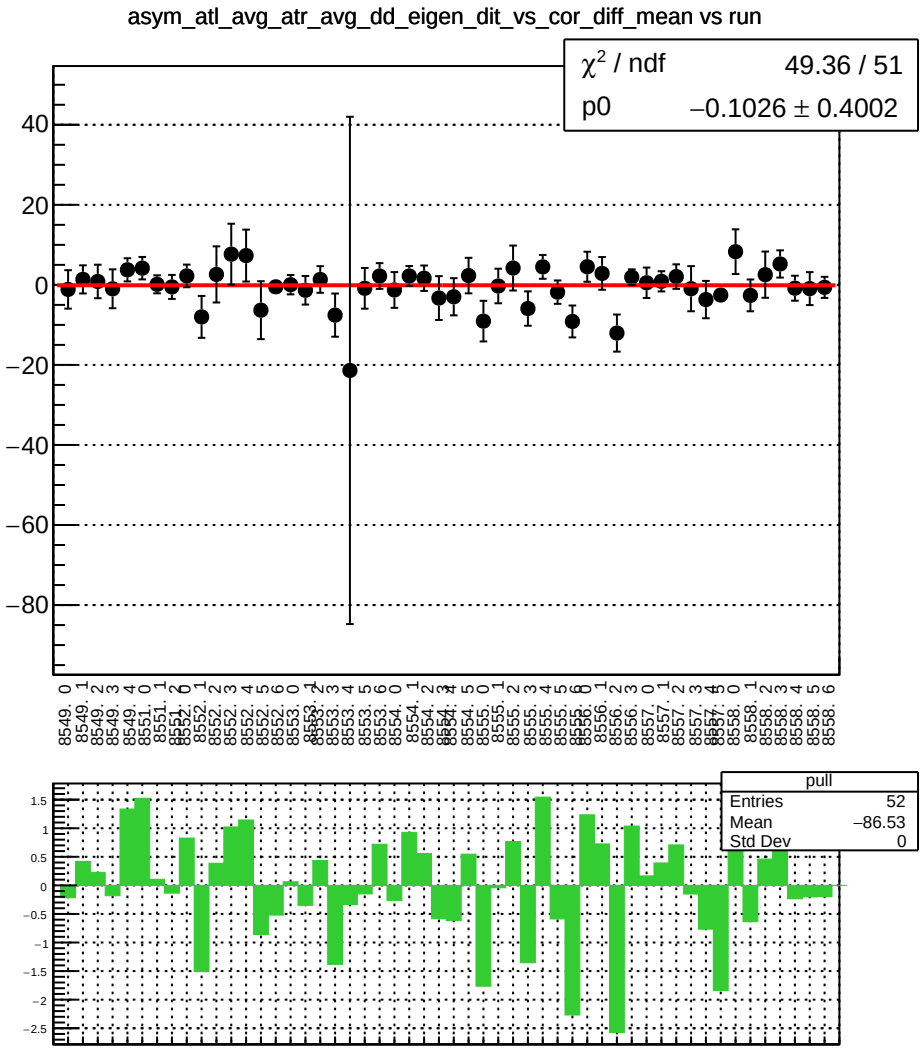

pull1D
Entries 52
Mean 0.01225
Std Dev 0.9742

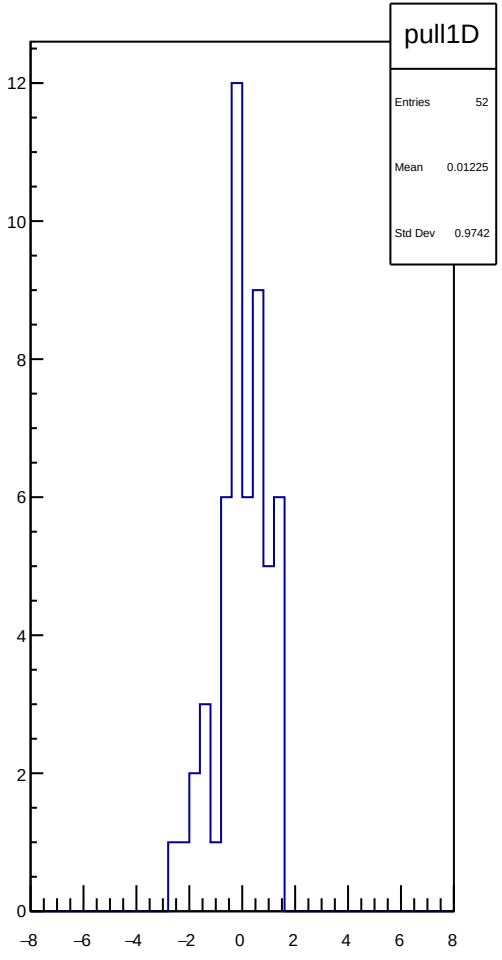

asym_atl_avg_atr_avg_dd_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 2.431e+05 / 51
p0 250.5 ± 0.283
6000
5000
4000
3000
2000
1000
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 0
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 1
8553. 2
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 5
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

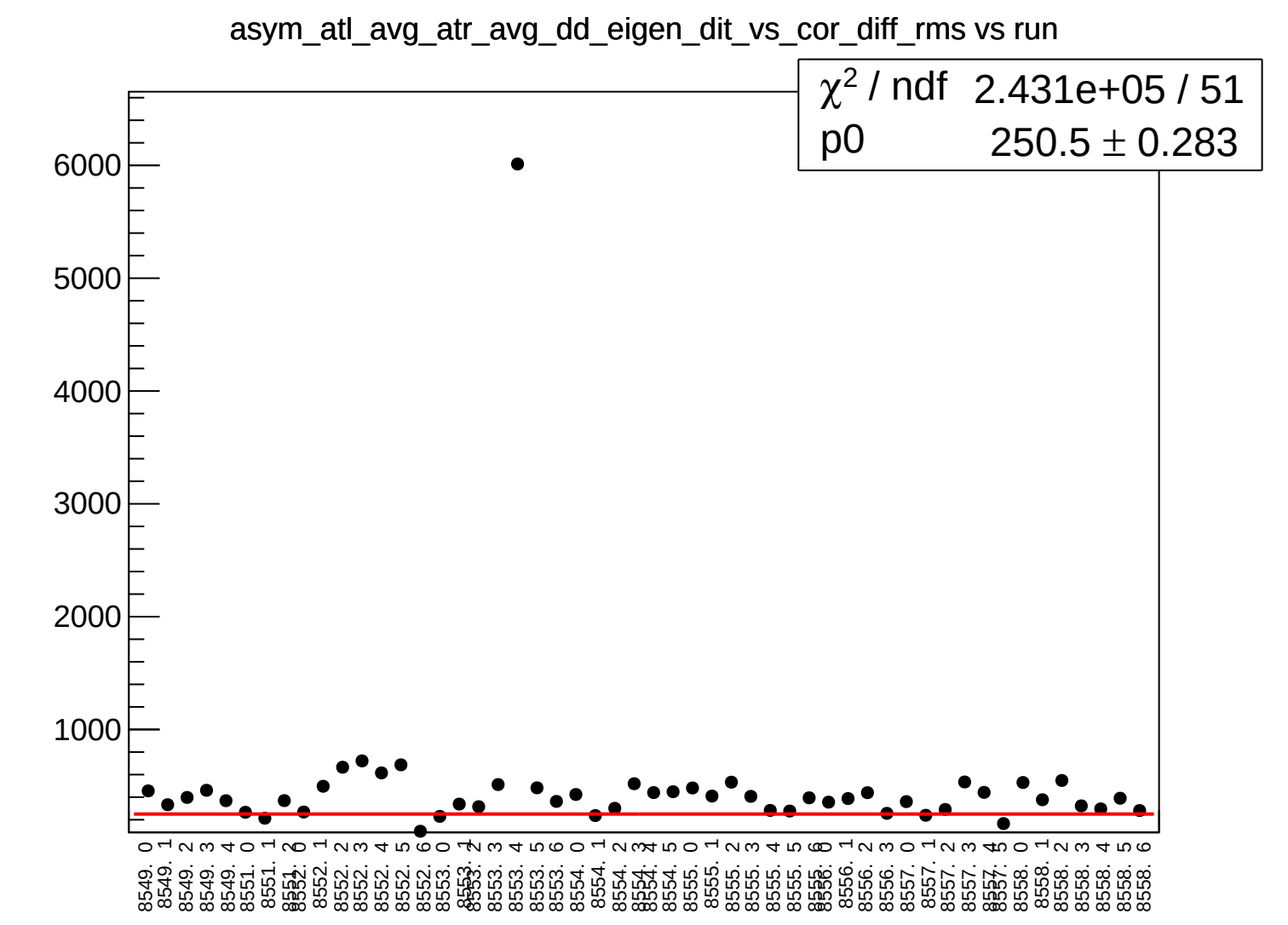

asym_atl_avg_atr_avg_dd_eigen_dit_vs_dit_diff_mean vs run
×10⁻⁶
χ² / ndf 91.25 / 51
p0 2.395e−06 ± 5.934e−07
pull
Entries 52
Mean 17.32
Std Dev 0

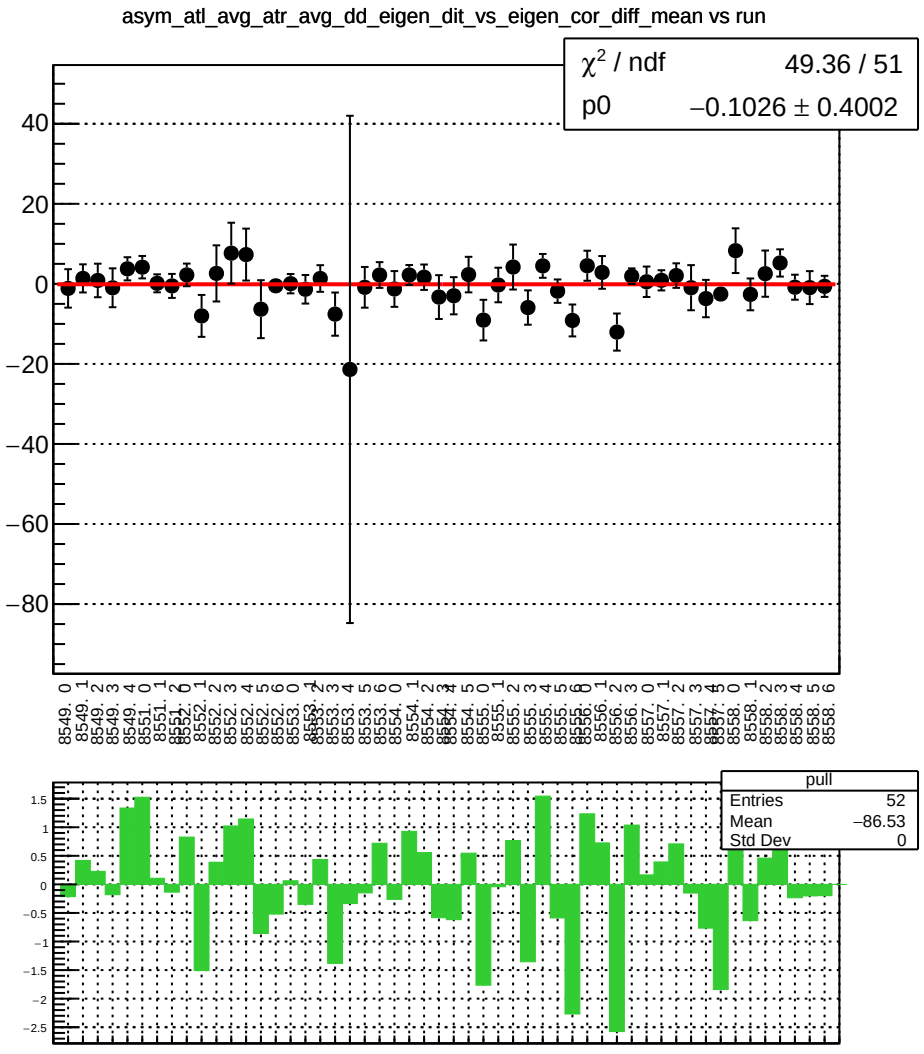

pull1D
Entries 52
Mean 0.06539
Std Dev 1.323

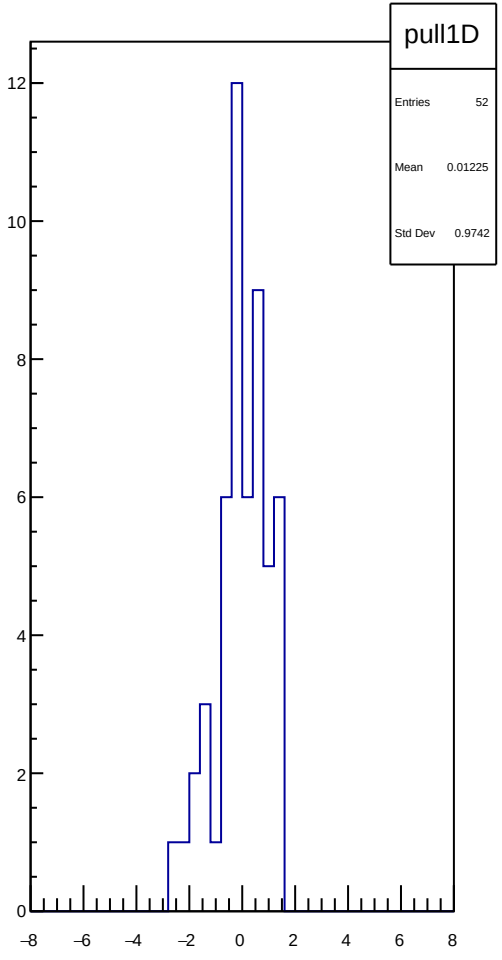

asym_atl_avg_atr_avg_dd_eigen_dit_vs_dit_diff_rms vs run
×10⁻³
χ² / ndf 7742 / 51
p0 0.0004236 ± 4.196e−07
0.48
0.46
0.44
0.42
0.4
0.38
0.36
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 5
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

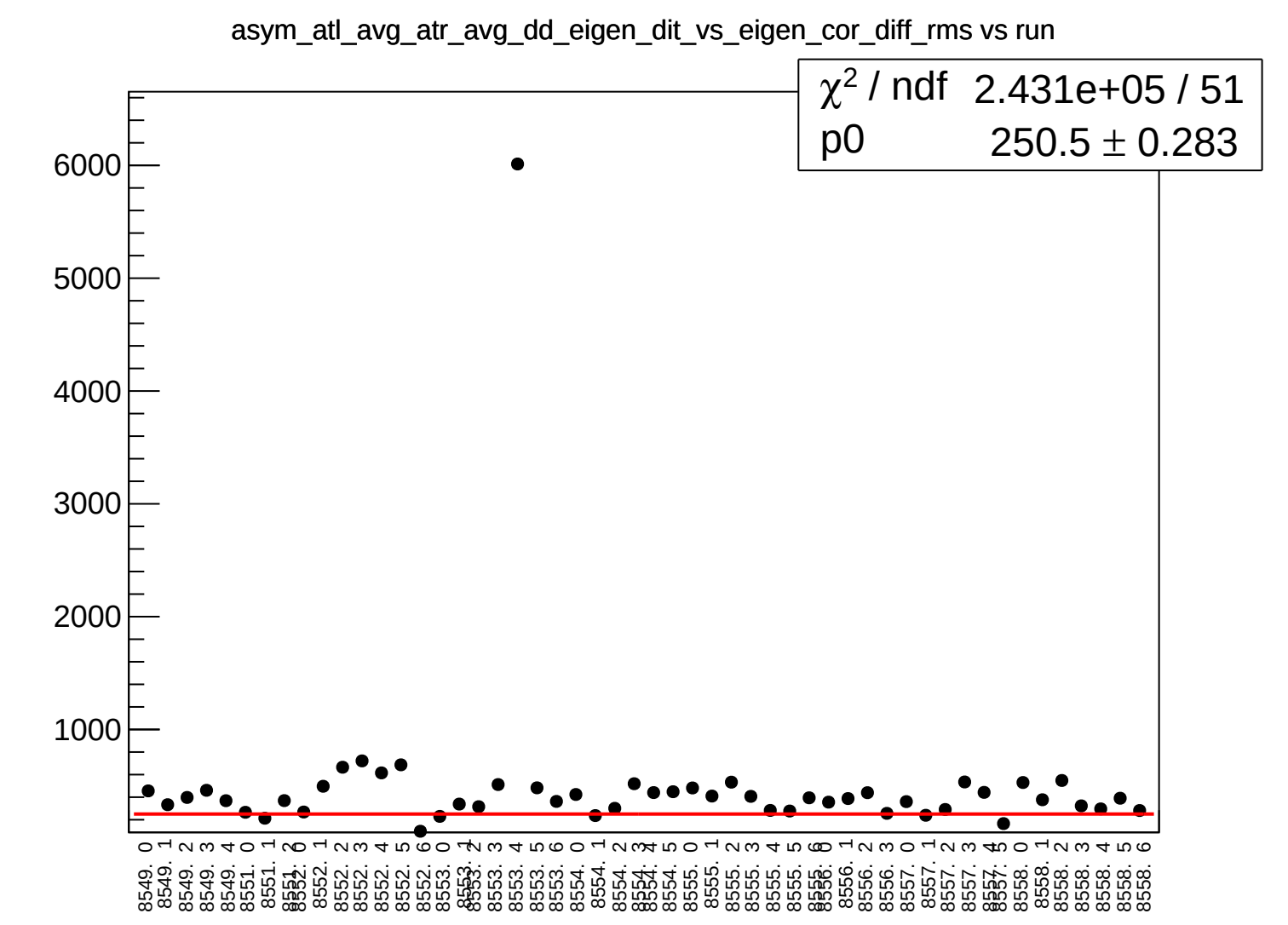

asym_atl_avg_atr_avg_dd_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 49.36 / 51
p0 −0.1026 ± 0.4002
pull
Entries 52
Mean −86.53
Std Dev 0

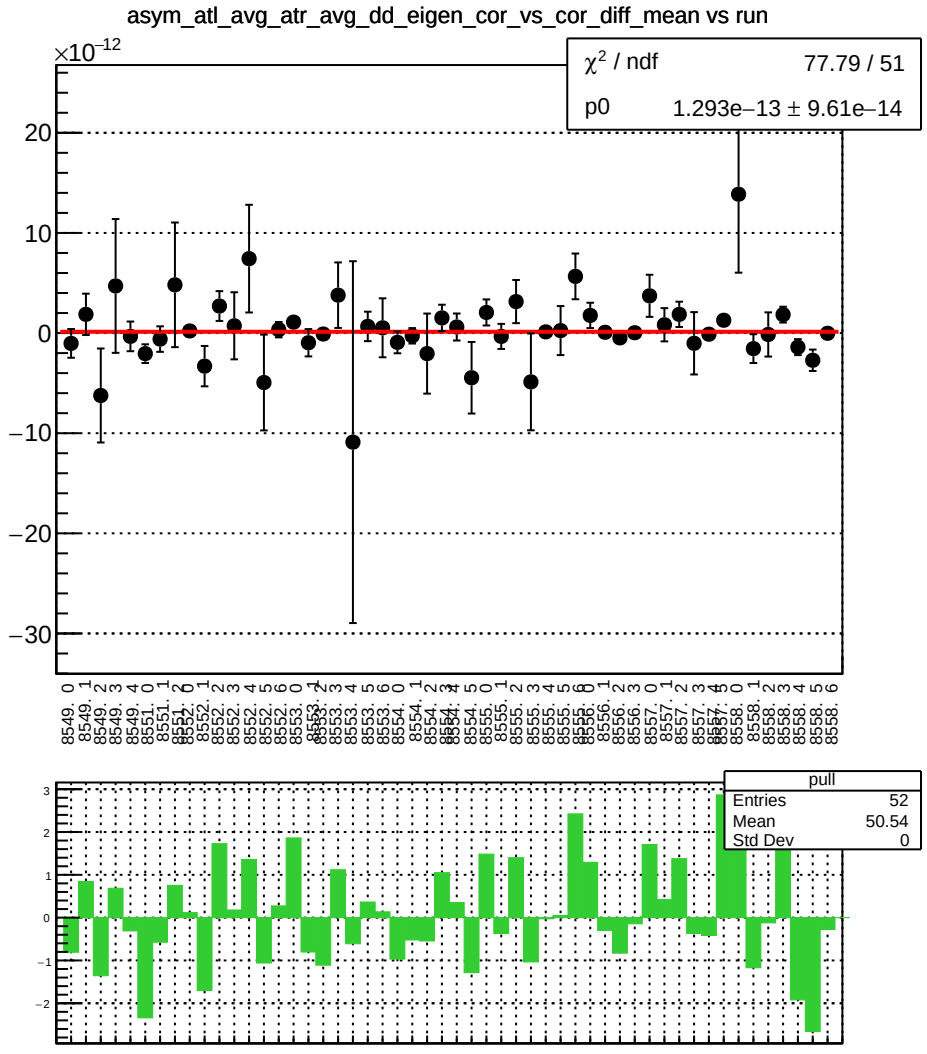

pull1D
Entries 52
Mean 0.01225
Std Dev 0.9742

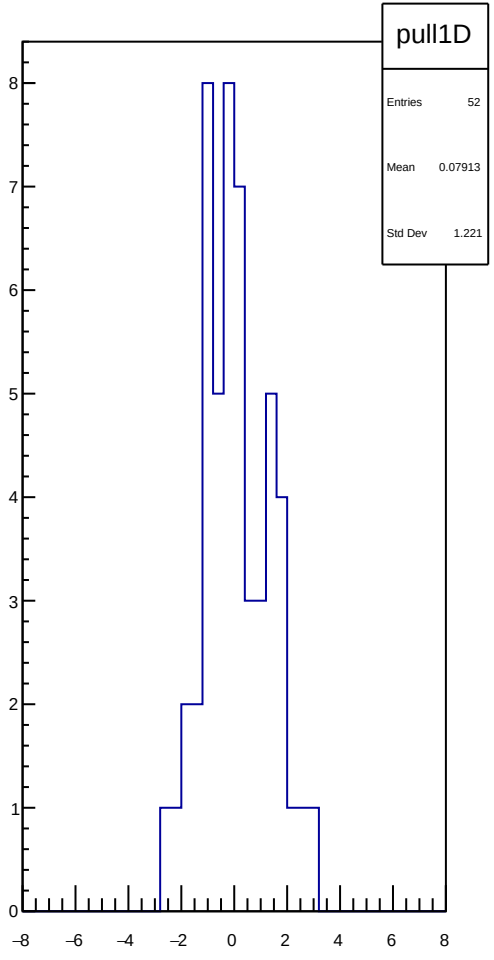

asym_atl_avg_atr_avg_dd_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 2.431e+05 / 51
p0 250.5 ± 0.283
6000
5000
4000
3000
2000
1000
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

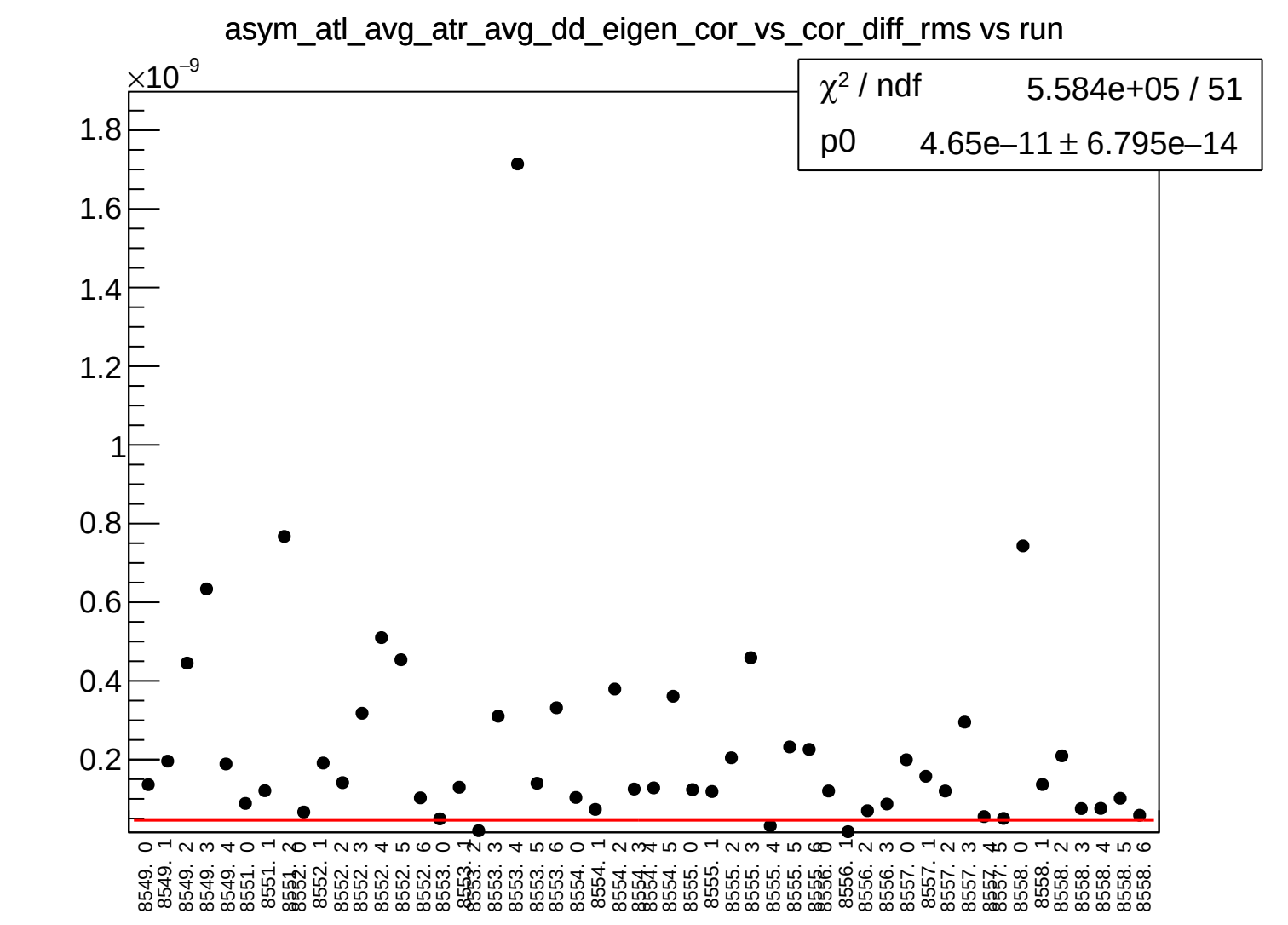

asym_atl_avg_atr_avg_dd_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 49.36 / 51
p0 −0.1026 ± 0.4002
pull
Entries 52
Mean −86.53
Std Dev 0

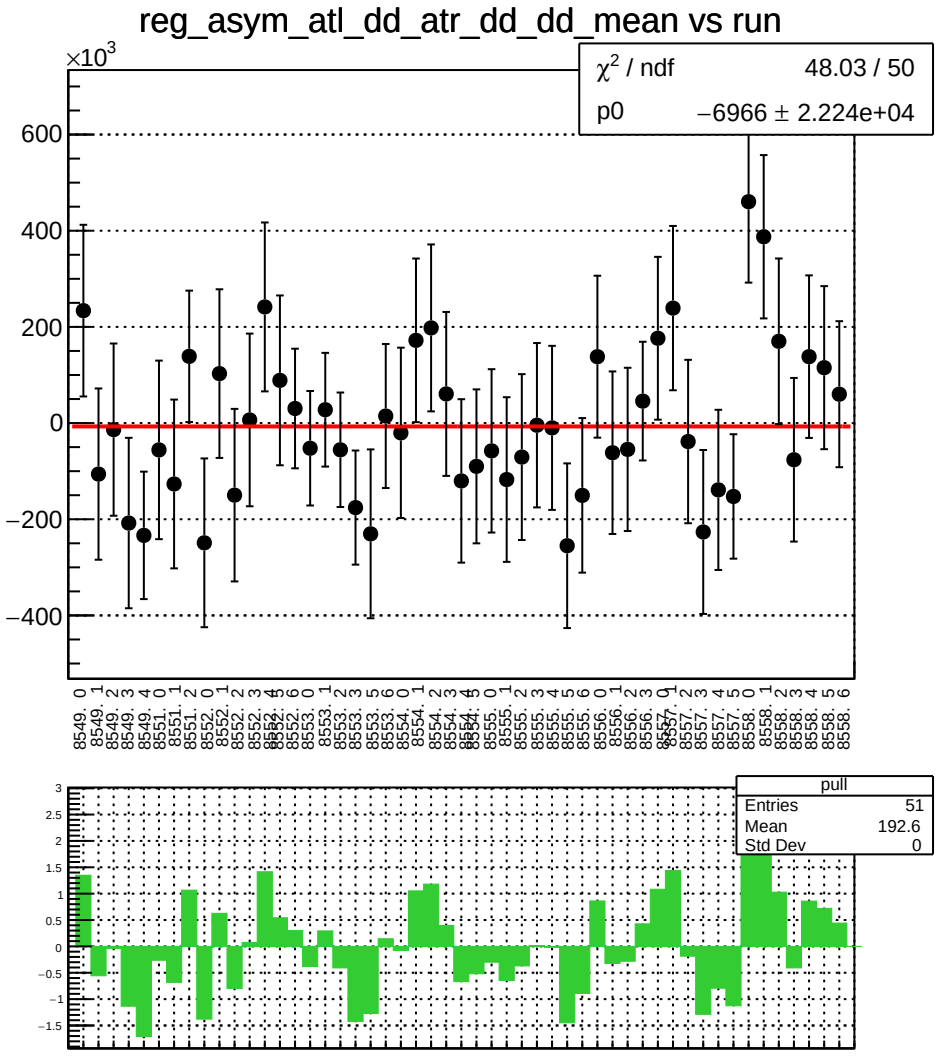

pull1D
Entries 52
Mean 0.01225
Std Dev 0.9742

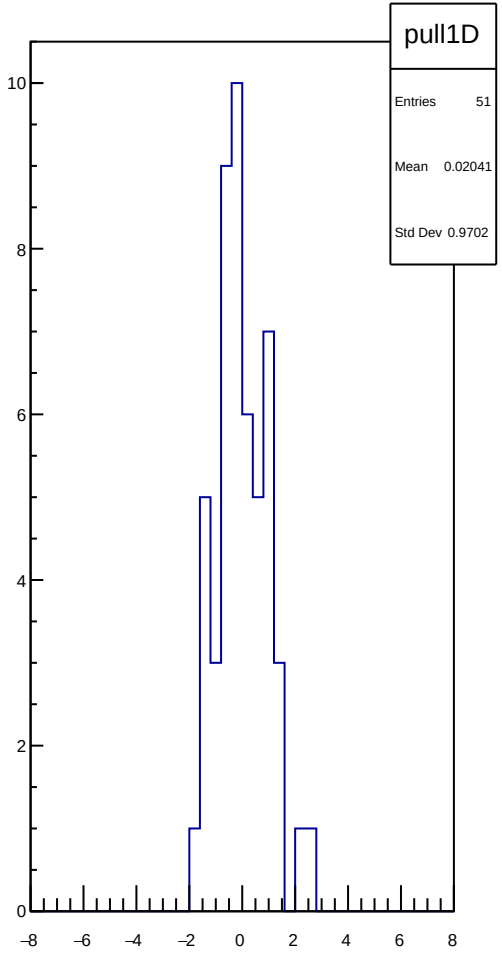

asym_atl_avg_atr_avg_dd_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 2.431e+05 / 51
p0 250.5 ± 0.283
6000
5000
4000
3000
2000
1000
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 0
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 1
8553. 2
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 5
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

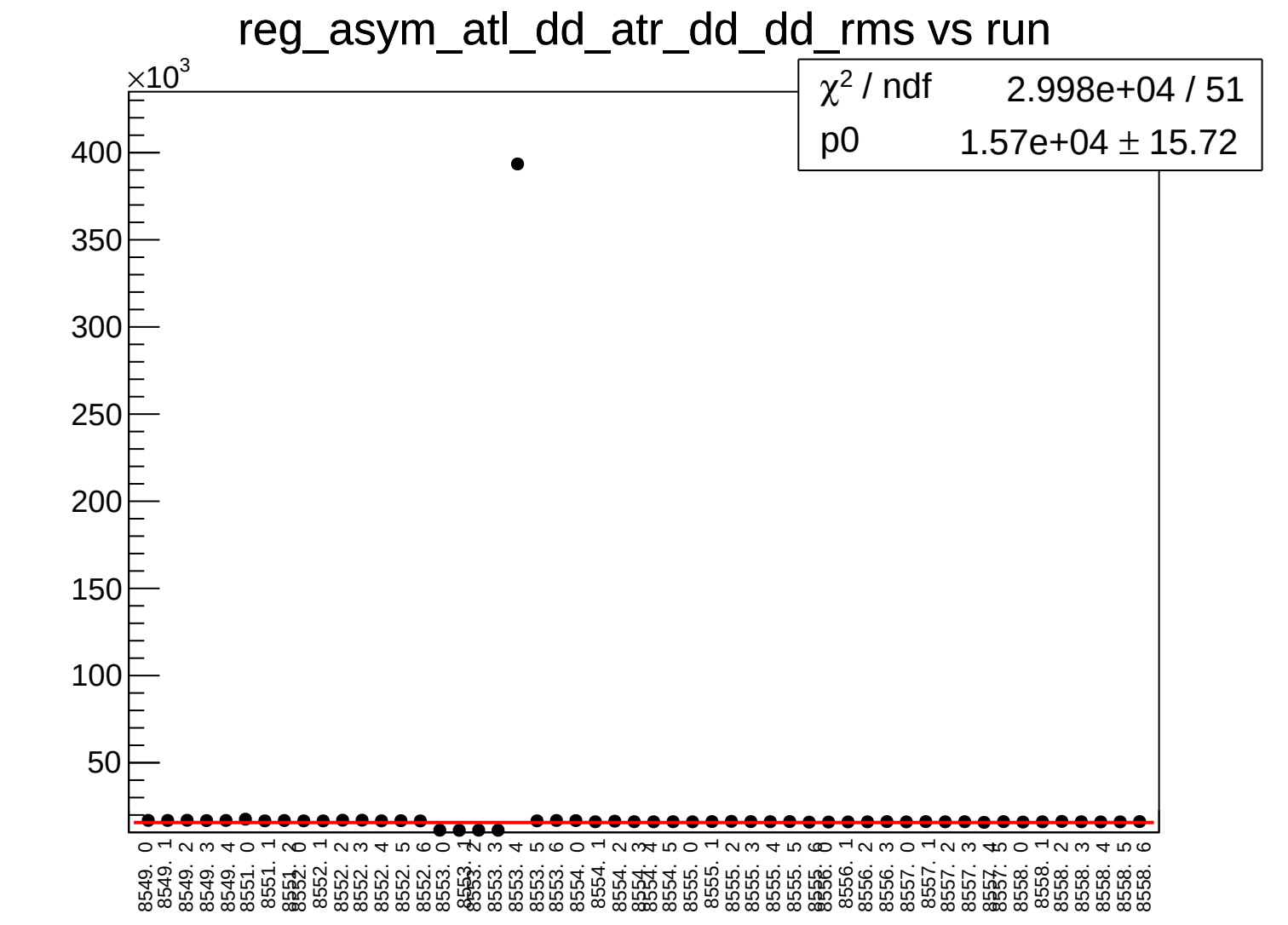

asym_atl_avg_atr_avg_dd_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 77.79 / 51
p0 1.293e−13 ± 9.61e−14
pull
Entries 52
Mean 50.54
Std Dev 0

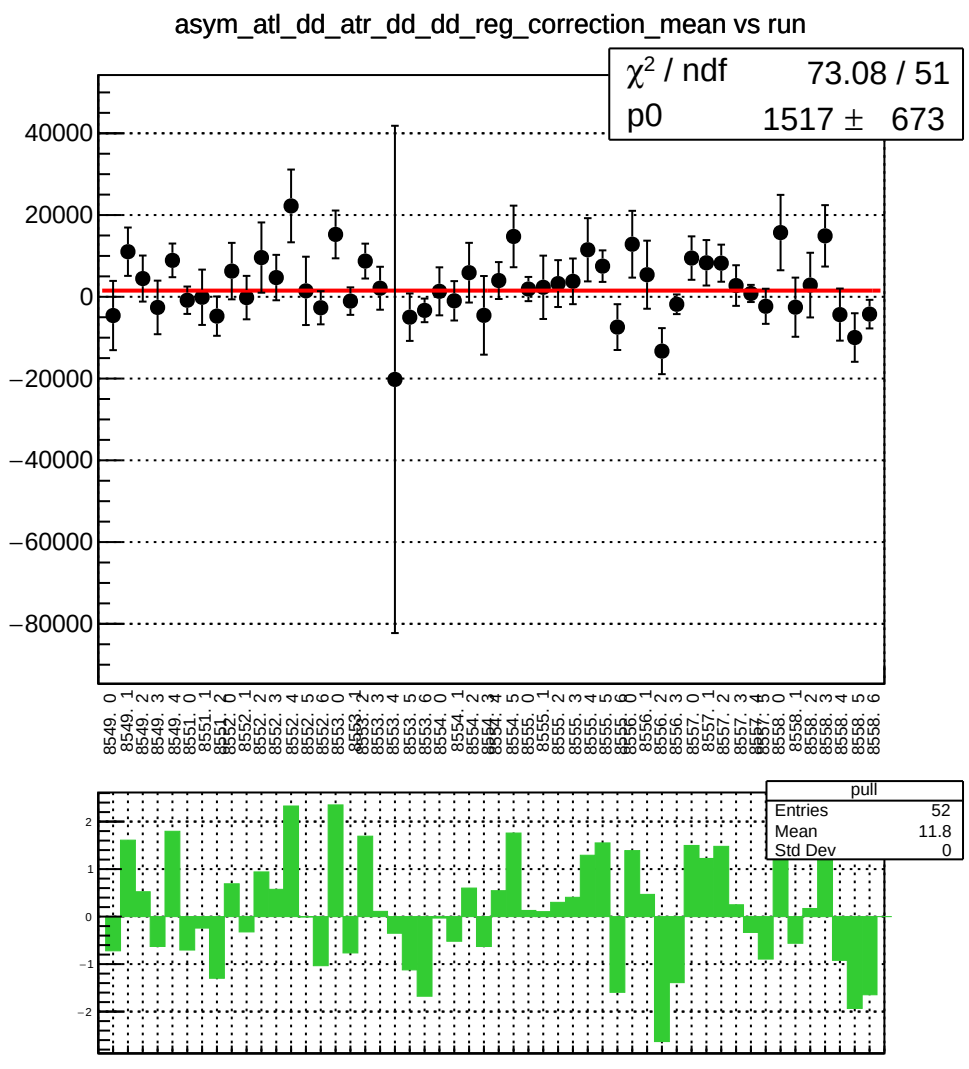

pull1D
Entries 52
Mean 0.07913
Std Dev 1.221

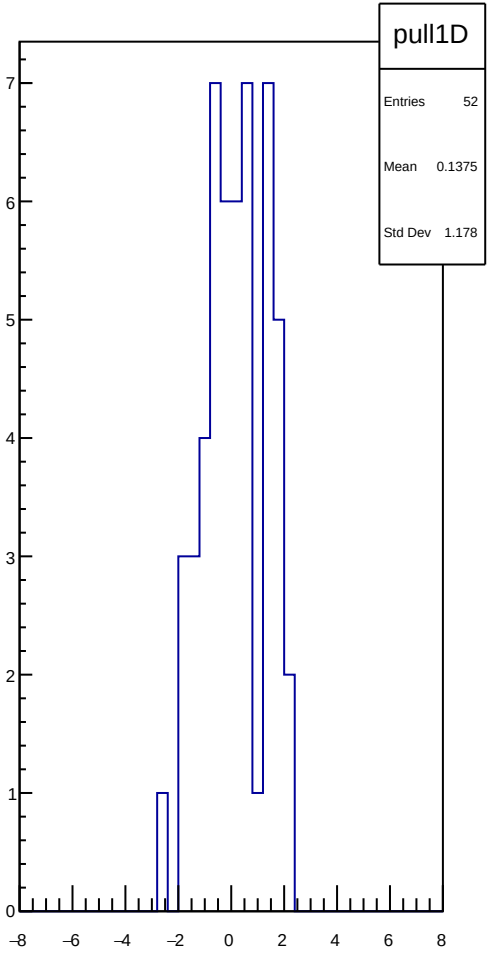

asym_atl_avg_atr_avg_dd_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 5.584e+05 / 51
p0 4.65e−11 ± 6.795e−14
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 0
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 2
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 5
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 0
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

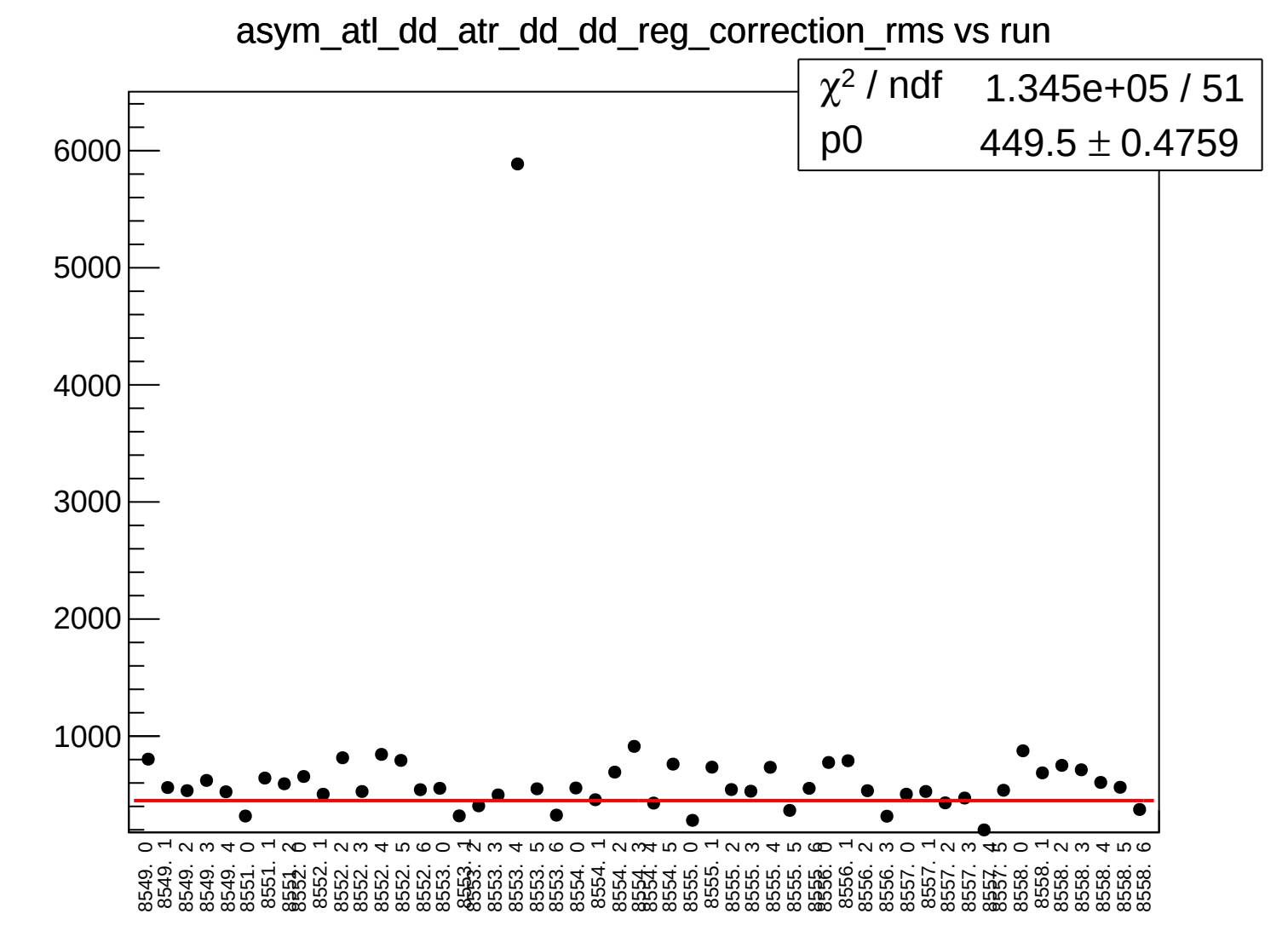

reg_asym_atl_dd_atr_dd_dd_mean vs run
×10^3
χ² / ndf 48.03 / 50
p0 −6966 ± 2.224e+04
600
400
200
0
−200
−400
pull
Entries 51
Mean 192.6
Std Dev 0
3
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5

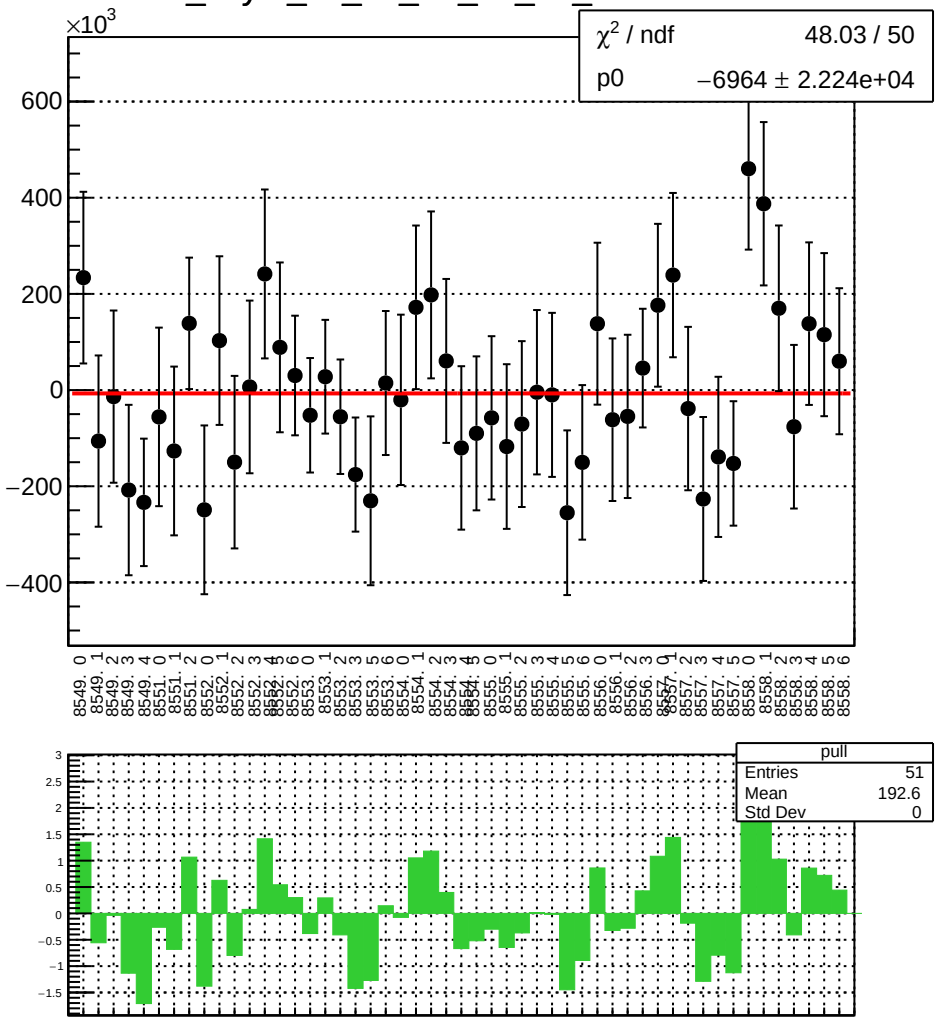

pull1D
Entries 51
Mean 0.02041
Std Dev 0.9702
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

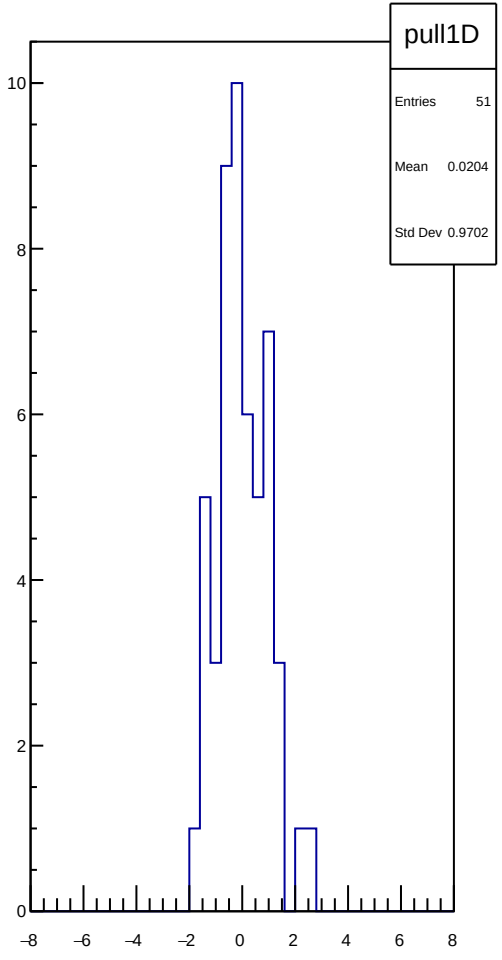

reg_asym_atl_dd_atr_dd_dd_rms vs run
×10^3
400
350
300
250
200
150
100
50
χ² / ndf 2.998e+04 / 51
p0 1.57e+04 ± 15.72
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 5
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

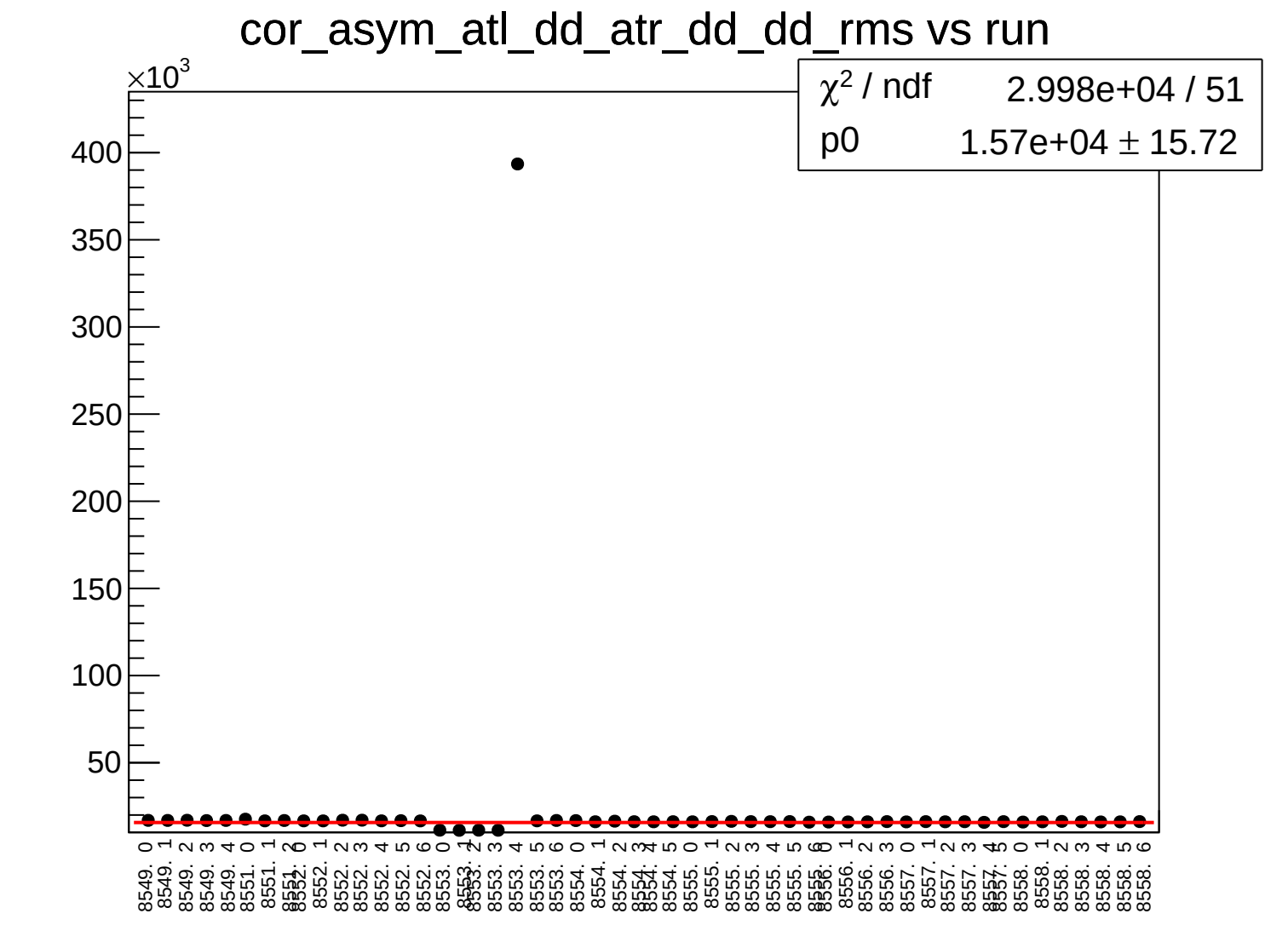

asym_atl_dd_atr_dd_dd_reg_correction_mean vs run
χ² / ndf 73.08 / 51
p0 1517 ± 673
40000
20000
0
−20000
−40000
−60000
−80000
pull
Entries 52
Mean 11.8
Std Dev 0
2
1
0
−1
−2

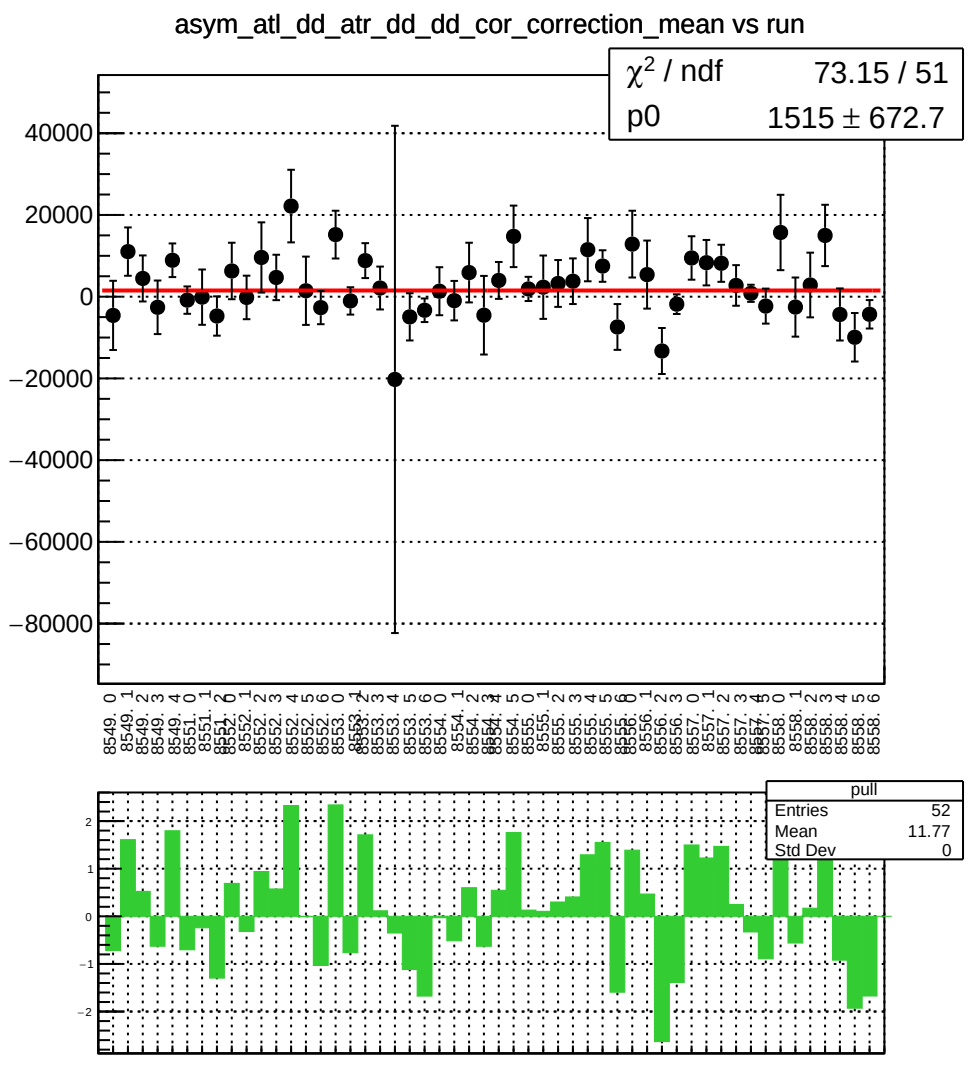

pull1D
Entries 52
Mean 0.1375
Std Dev 1.178
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

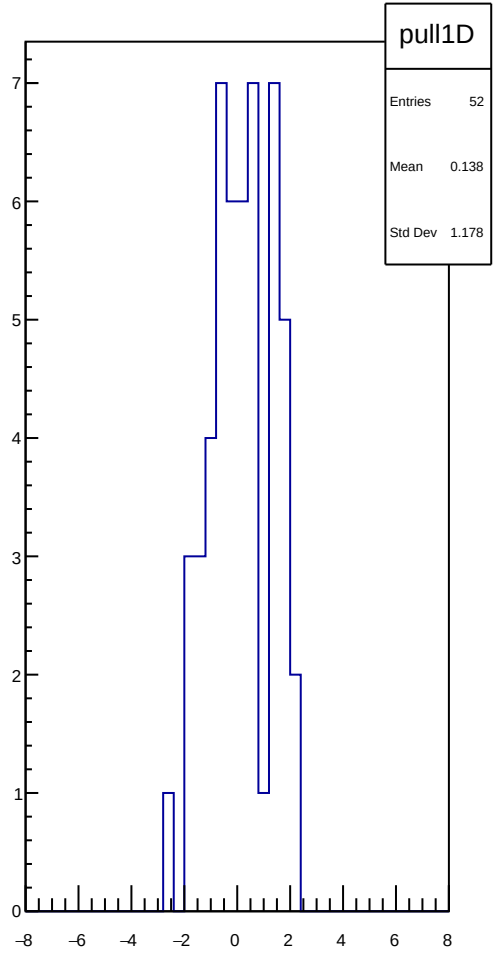

asym_atl_dd_atr_dd_dd_reg_correction_rms vs run
χ² / ndf 1.345e+05 / 51
p0 449.5 ± 0.4759
6000
5000
4000
3000
2000
1000
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 5
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

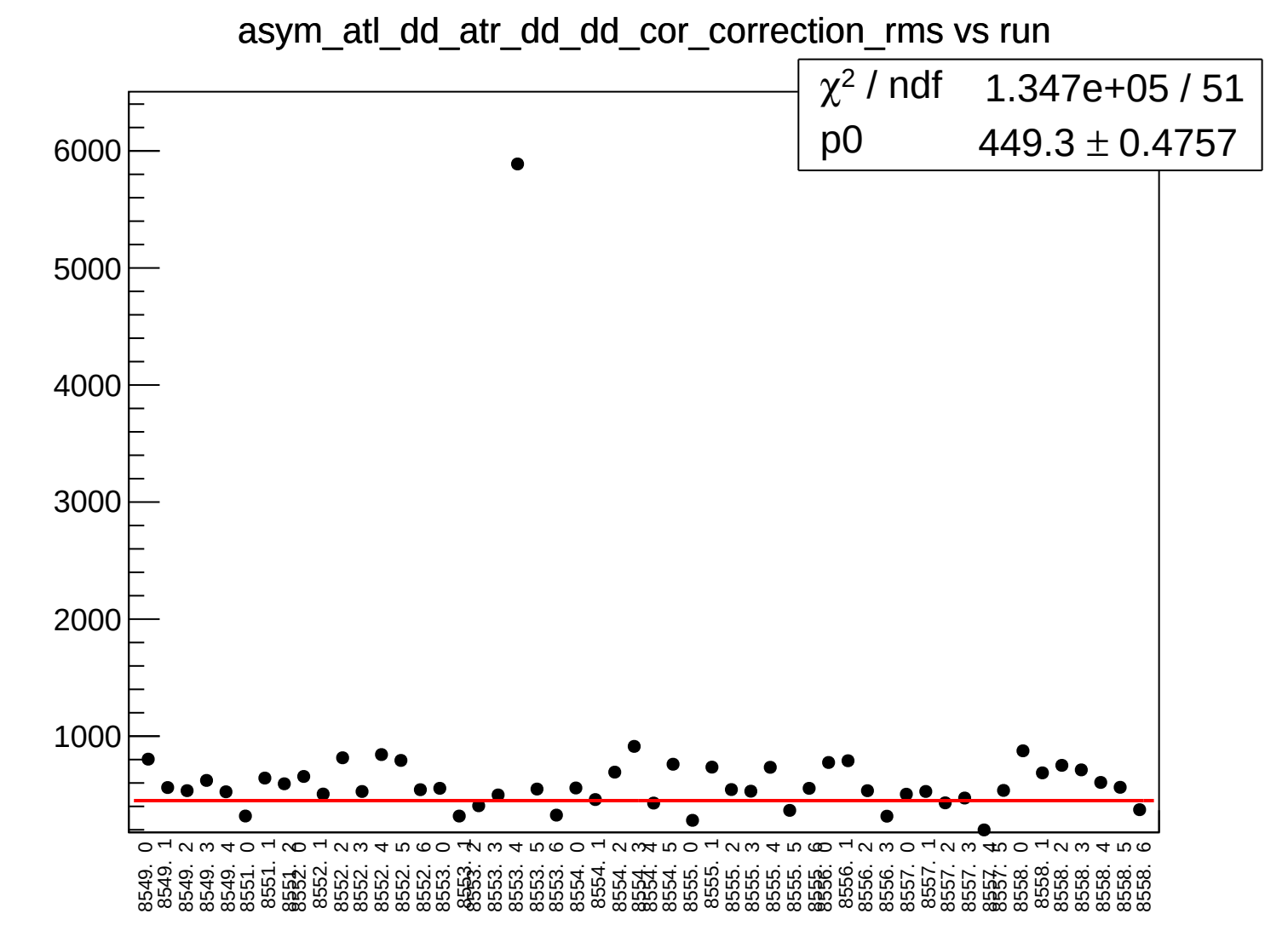

cor_asym_atl_dd_atr_dd_dd_mean vs run
×10^3
χ² / ndf 48.03 / 50
p0 −6964 ± 2.224e+04
600
400
200
0
−200
−400
pull
Entries 51
Mean 192.6
Std Dev 0
3
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5

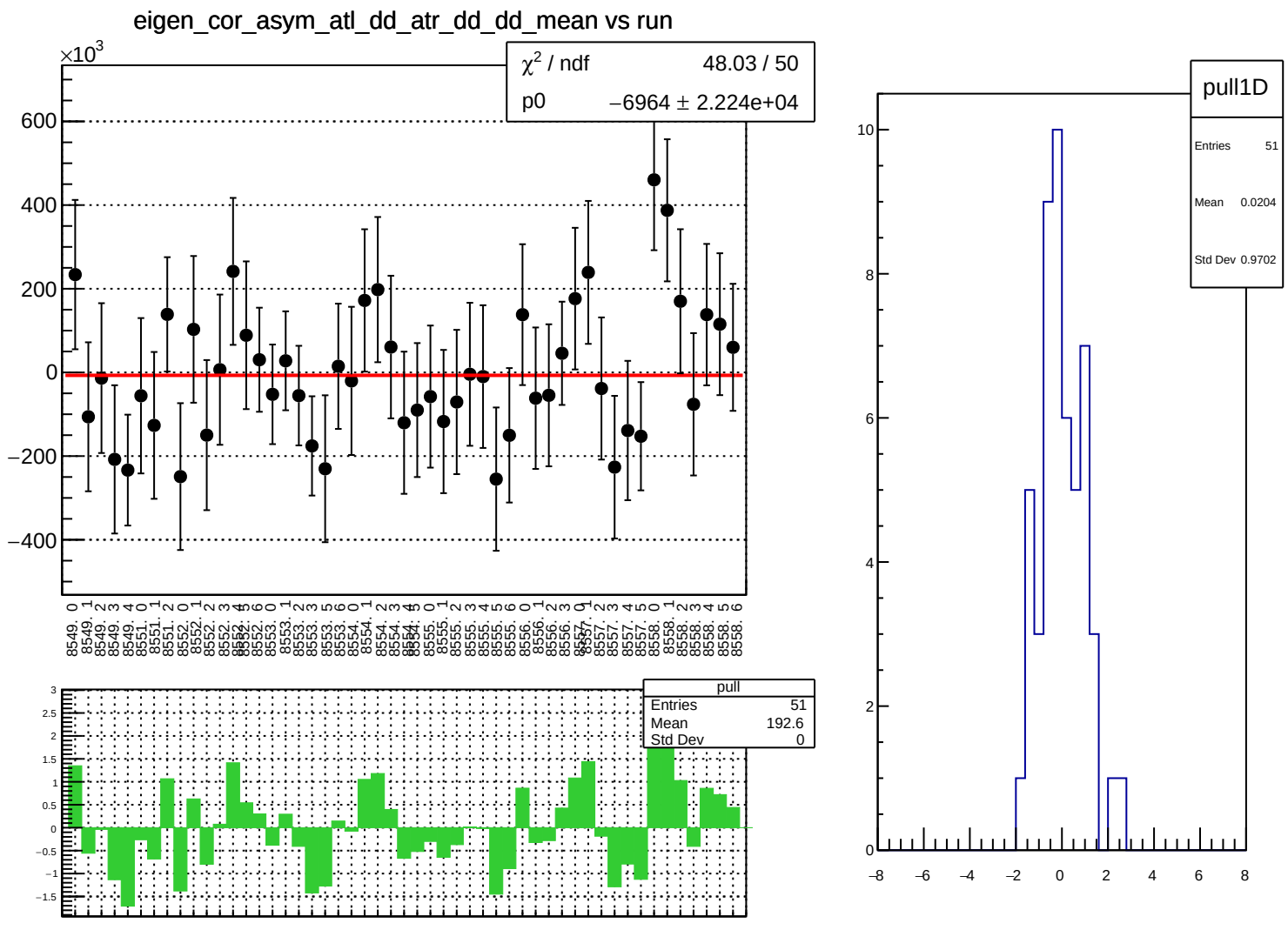

pull1D
Entries 51
Mean 0.0204
Std Dev 0.9702
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

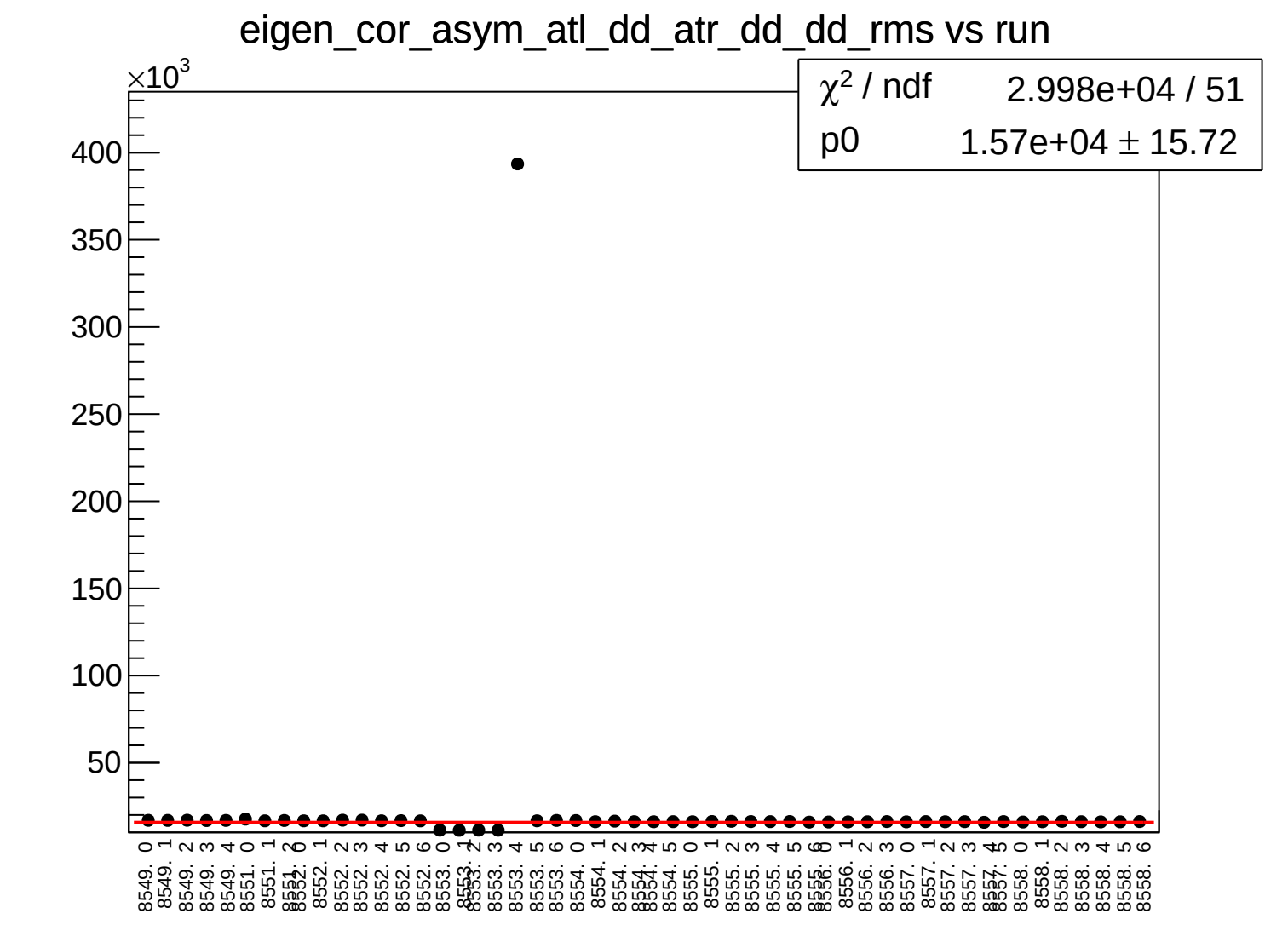

cor_asym_atl_dd_atr_dd_dd_rms vs run
×10^3
χ² / ndf 2.998e+04 / 51
p0 1.57e+04 ± 15.72
400
350
300
250
200
150
100
50
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 5
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

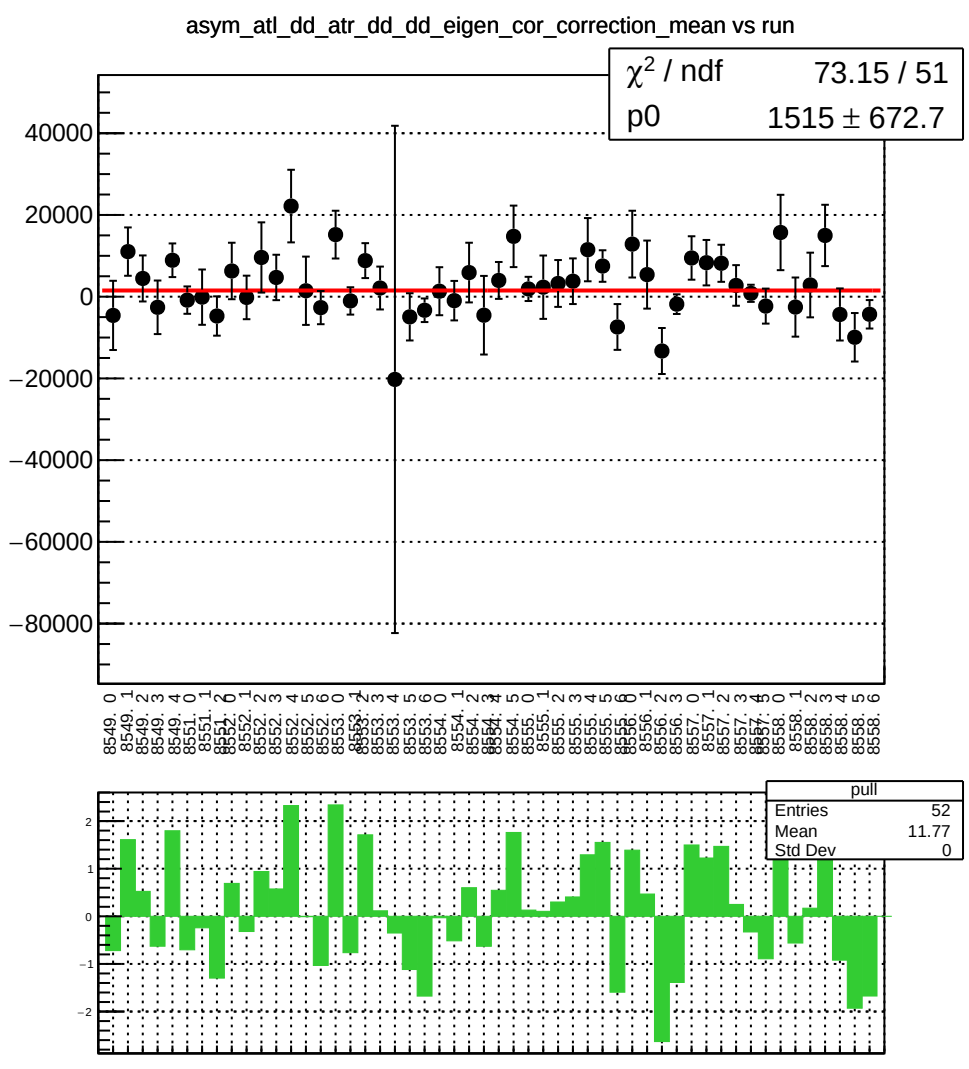

asym_atl_dd_atr_dd_dd_cor_correction_mean vs run
χ² / ndf 73.15 / 51
p0 1515 ± 672.7
pull
Entries 52
Mean 11.77
Std Dev 0

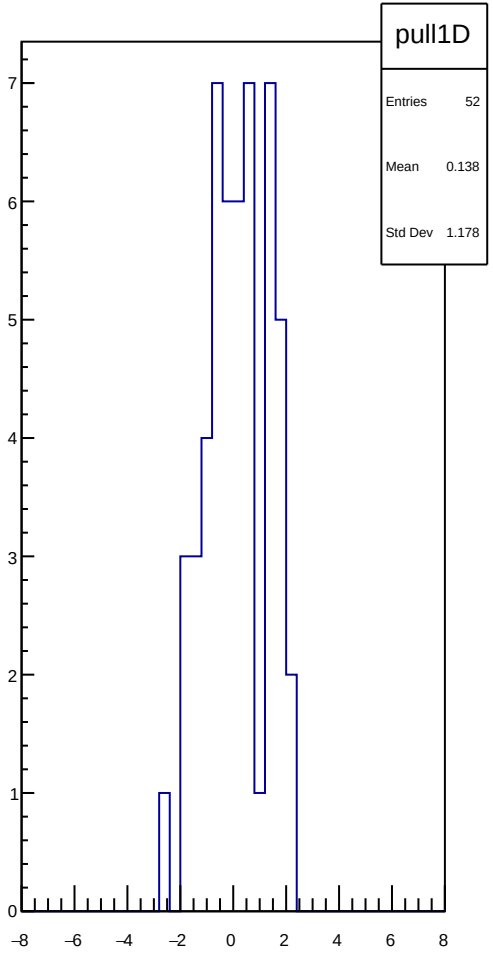

pull1D
Entries 52
Mean 0.138
Std Dev 1.178

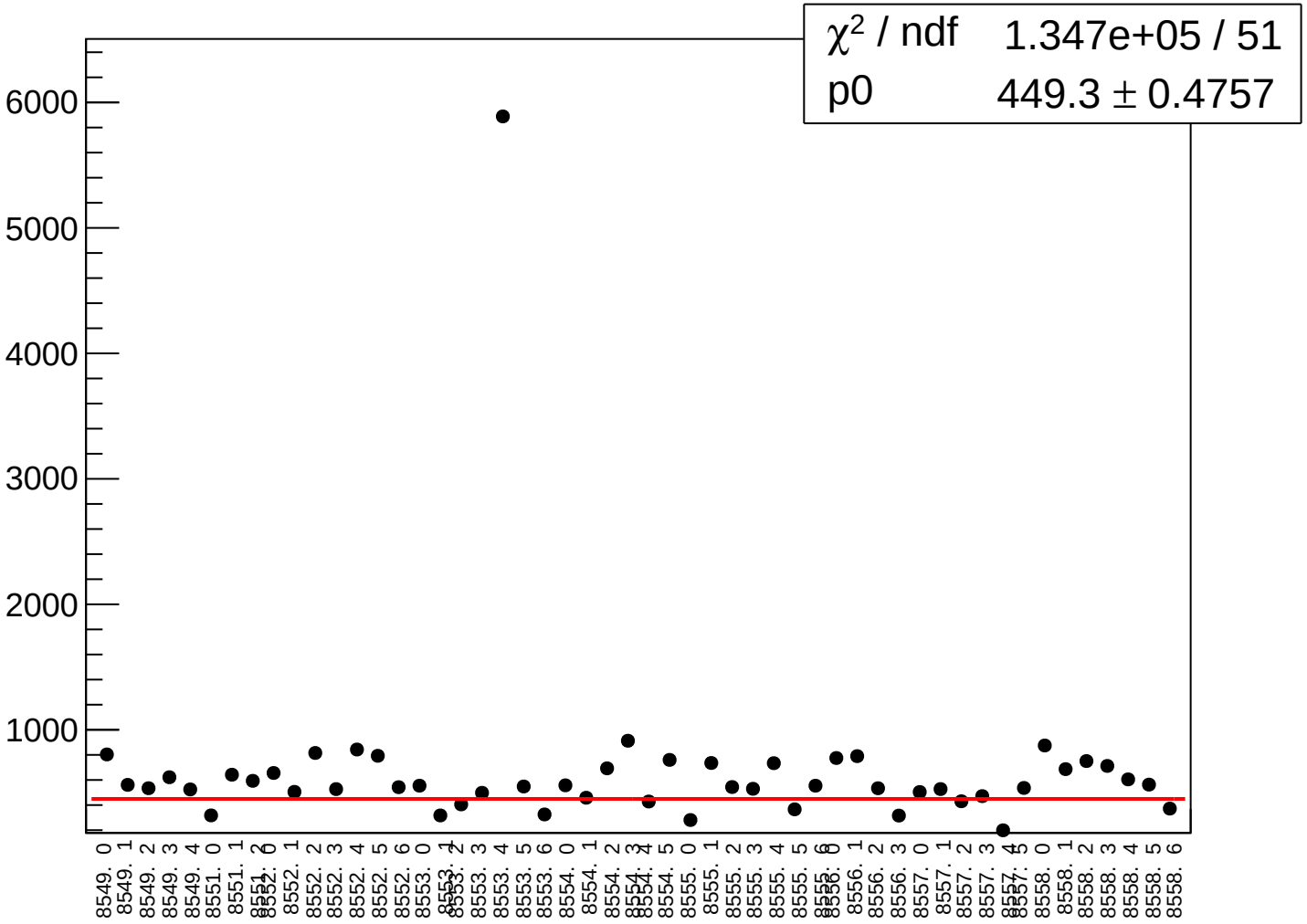

asym_atl_dd_atr_dd_dd_cor_correction_rms vs run
χ² / ndf 1.347e+05 / 51
p0 449.3 ± 0.4757
6000
5000
4000
3000
2000
1000
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 0
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 2
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 5
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

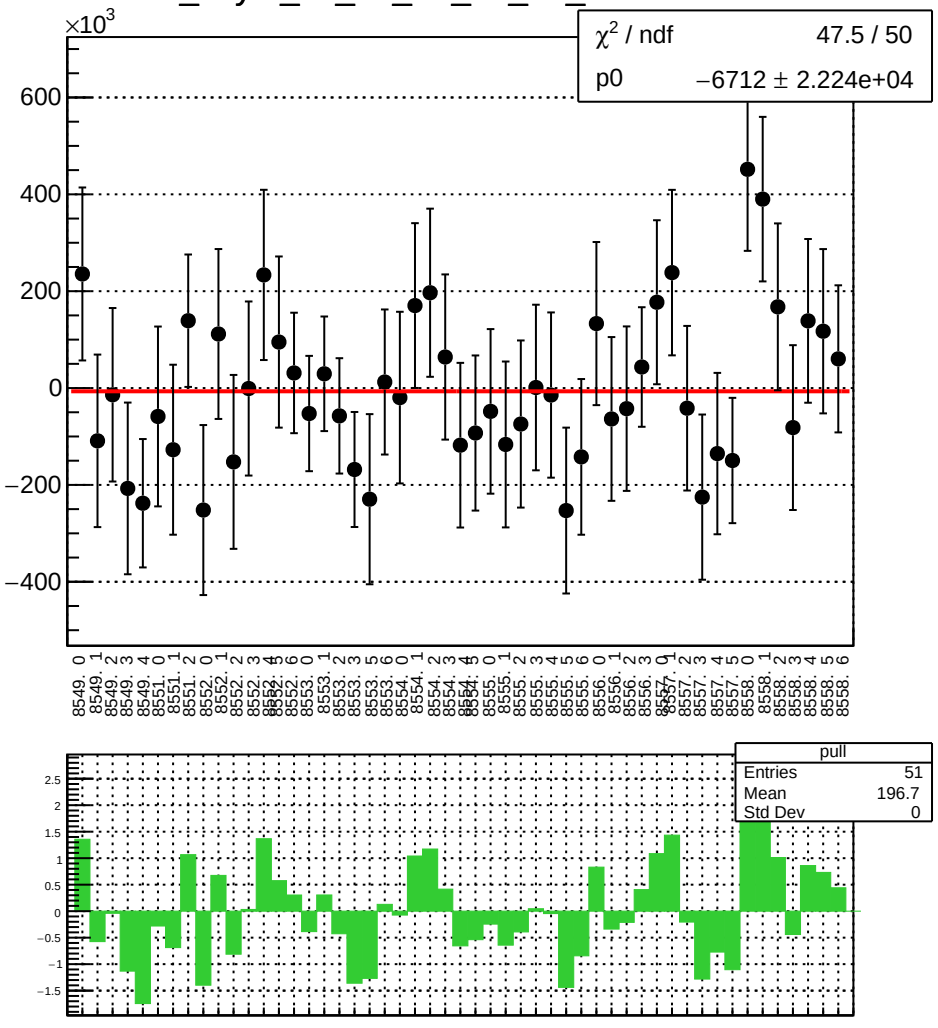

eigen_cor_asym_atl_dd_atr_dd_dd_mean vs run
×10^3
χ² / ndf 48.03 / 50
p0 −6964 ± 2.224e+04
600
400
200
0
−200
−400
pull
Entries 51
Mean 192.6
Std Dev 0
3
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 51
Mean 0.0204
Std Dev 0.9702
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

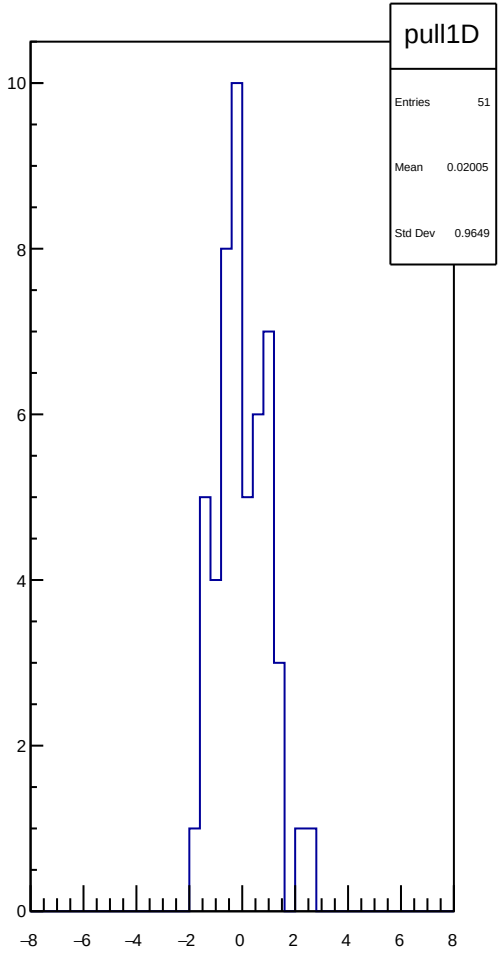

eigen_cor_asym_atl_dd_atr_dd_dd_rms vs run
×10^3
400
350
300
250
200
150
100
50
χ² / ndf 2.998e+04 / 51
p0 1.57e+04 ± 15.72
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 0
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 1
8553. 2
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 3
8554. 4
8554. 5
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 0
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8557. 4
8557. 5
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

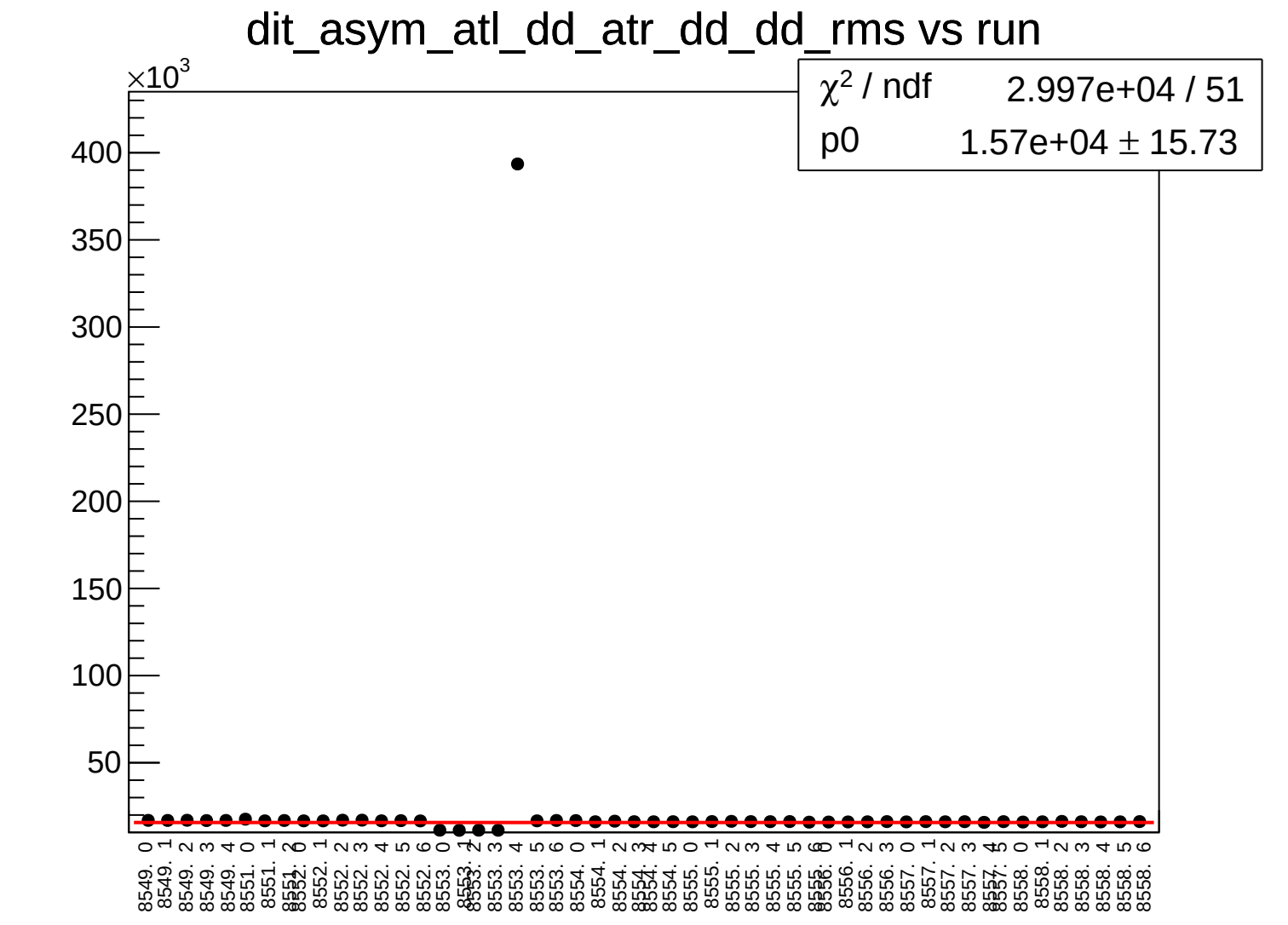

asym_atl_dd_atr_dd_dd_eigen_cor_correction_mean vs run
χ² / ndf 73.15 / 51
p0 1515 ± 672.7
40000
20000
0
−20000
−40000
−60000
−80000
pull
Entries 52
Mean 11.77
Std Dev 0
2
1
0
−1
−2


pull1D
Entries 52
Mean 0.138
Std Dev 1.178
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 1.347e+05 / 51
p0 449.3 ± 0.4757
6000
5000
4000
3000
2000
1000
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 5
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6


dit_asym_atl_dd_atr_dd_dd_mean vs run
×10^3
χ² / ndf 47.5 / 50
p0 −6712 ± 2.224e+04
600
400
200
0
−200
−400
pull
Entries 51
Mean 196.7
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5


pull1D
Entries 51
Mean 0.02005
Std Dev 0.9649
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
×10^3
400
350
300
250
200
150
100
50
χ² / ndf 2.997e+04 / 51
p0 1.57e+04 ± 15.73
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 0
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 1
8553. 2
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 3
8554. 4
8554. 5
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
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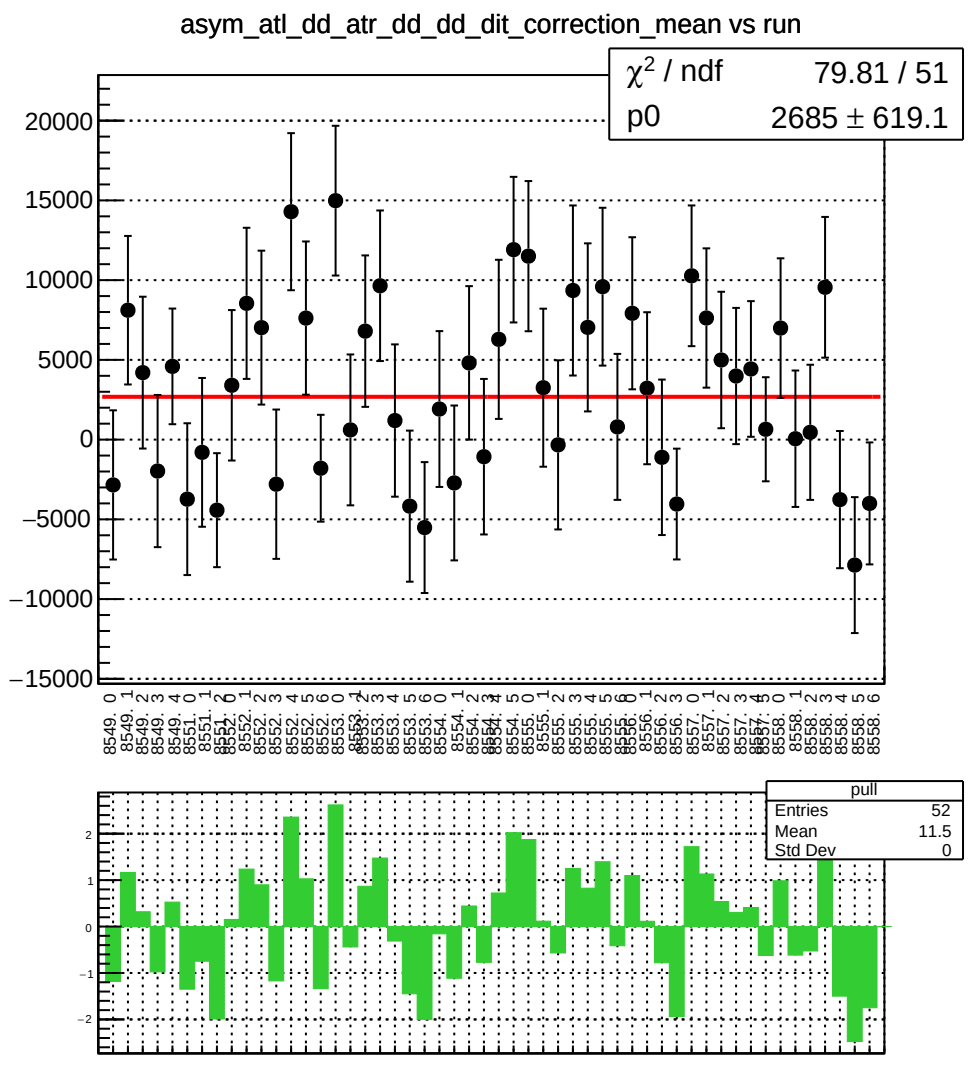
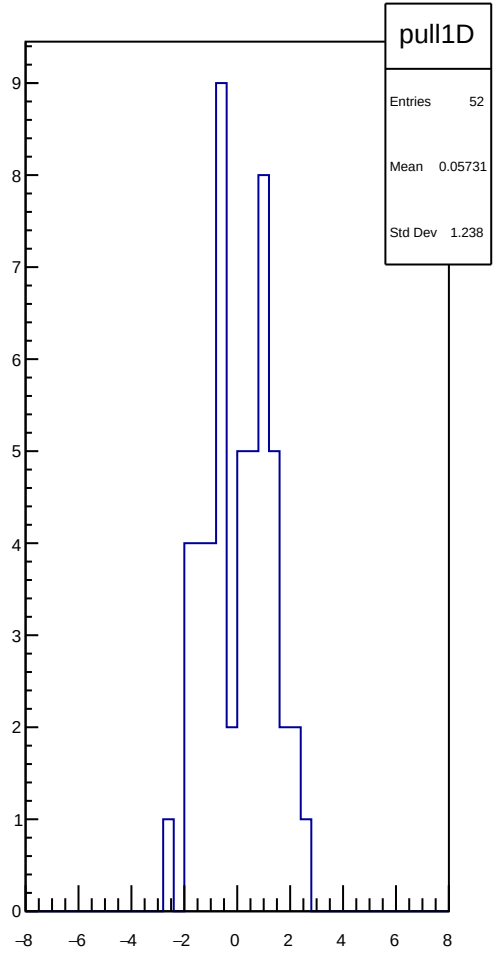
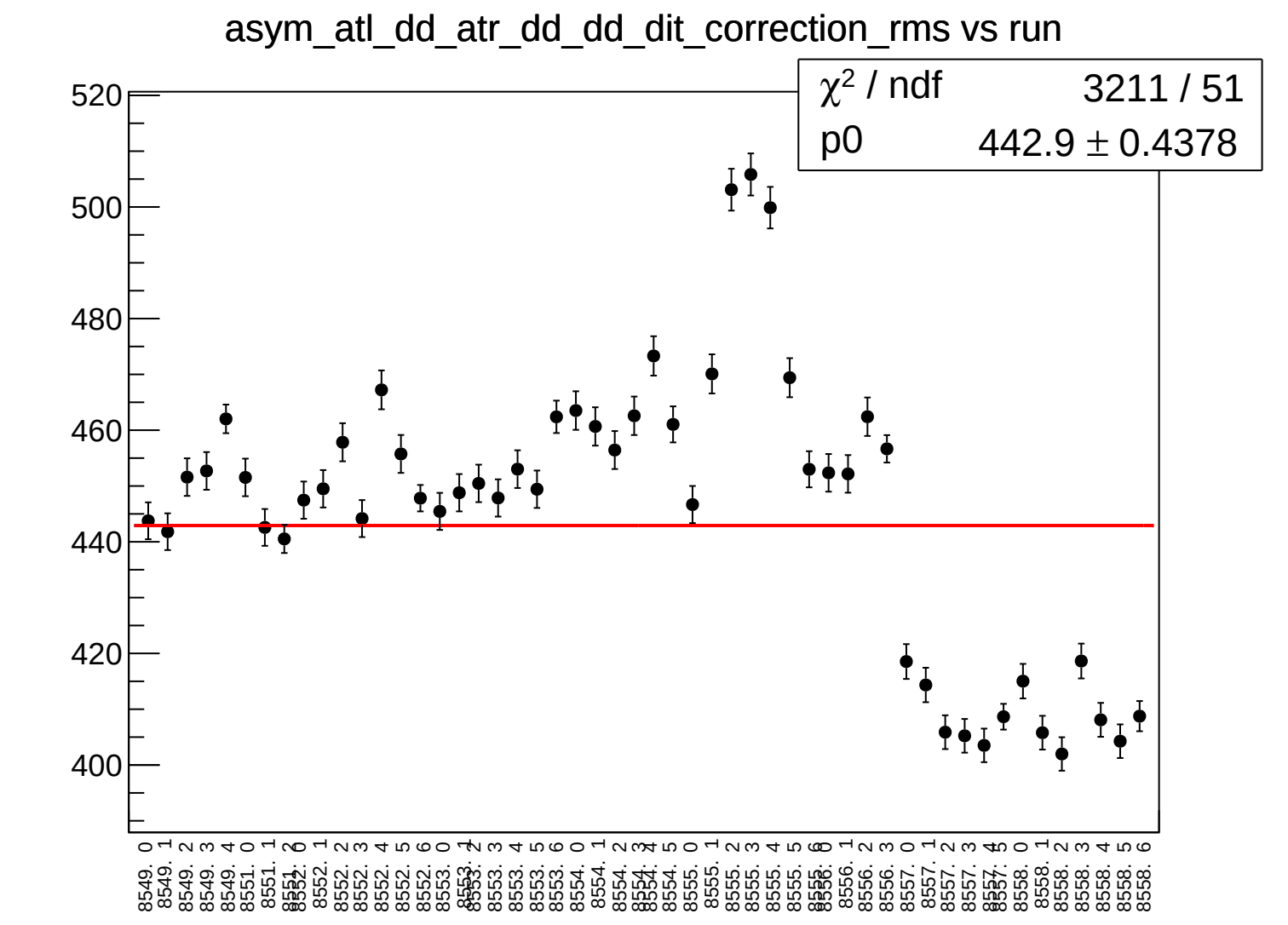
8558. 5
8558. 6


asym_atl_dd_atr_dd_dd_dit_correction_mean vs run
χ² / ndf 79.81 / 51
p0 2685 ± 619.1
pull
Entries 52
Mean 11.5
Std Dev 0


pull1D
Entries 52
Mean 0.05731
Std Dev 1.238


asym_atl_dd_atr_dd_dd_dit_correction_rms vs run
χ² / ndf 3211 / 51
p0 442.9 ± 0.4378
520
500
480
460
440
420
400
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
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8553. 6
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8555. 2
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8556. 1
8556. 2
8556. 3
8557. 0
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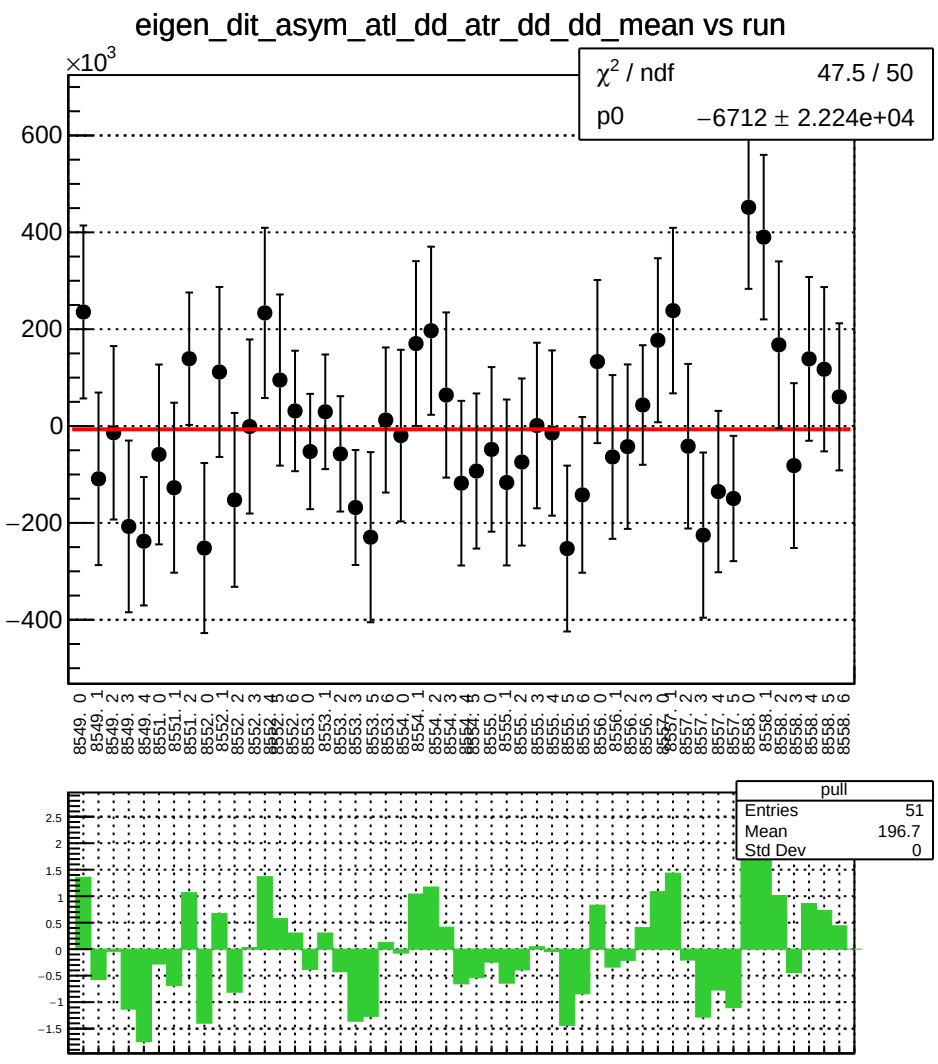
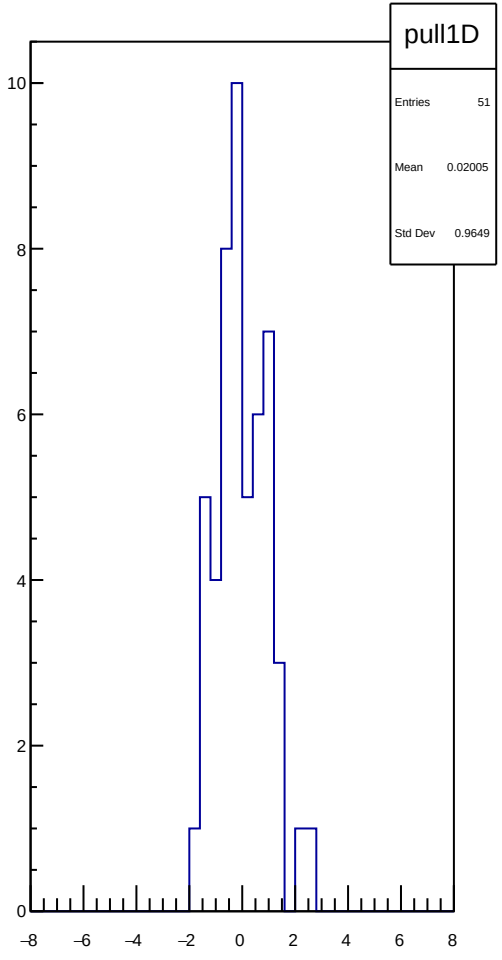
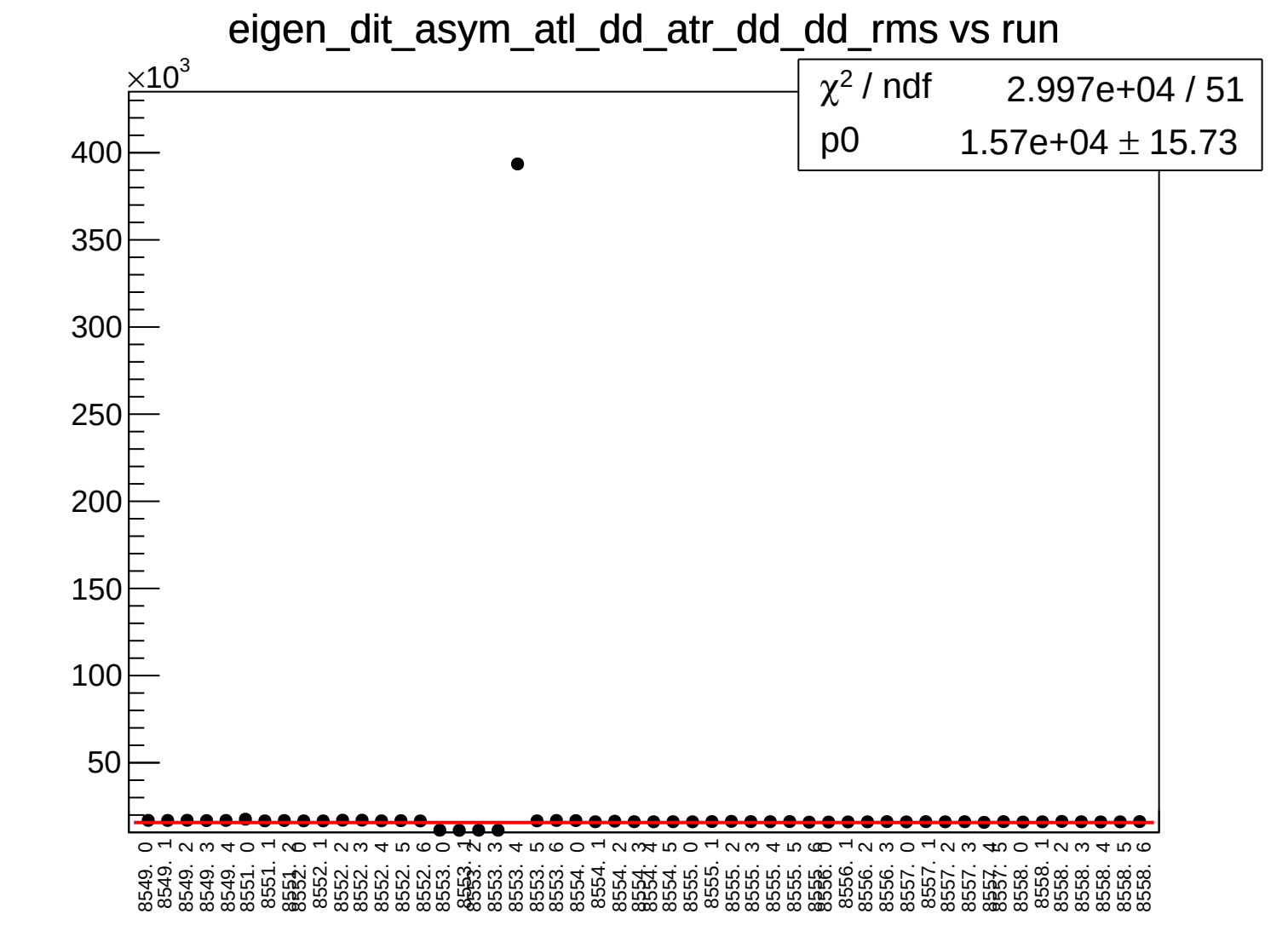
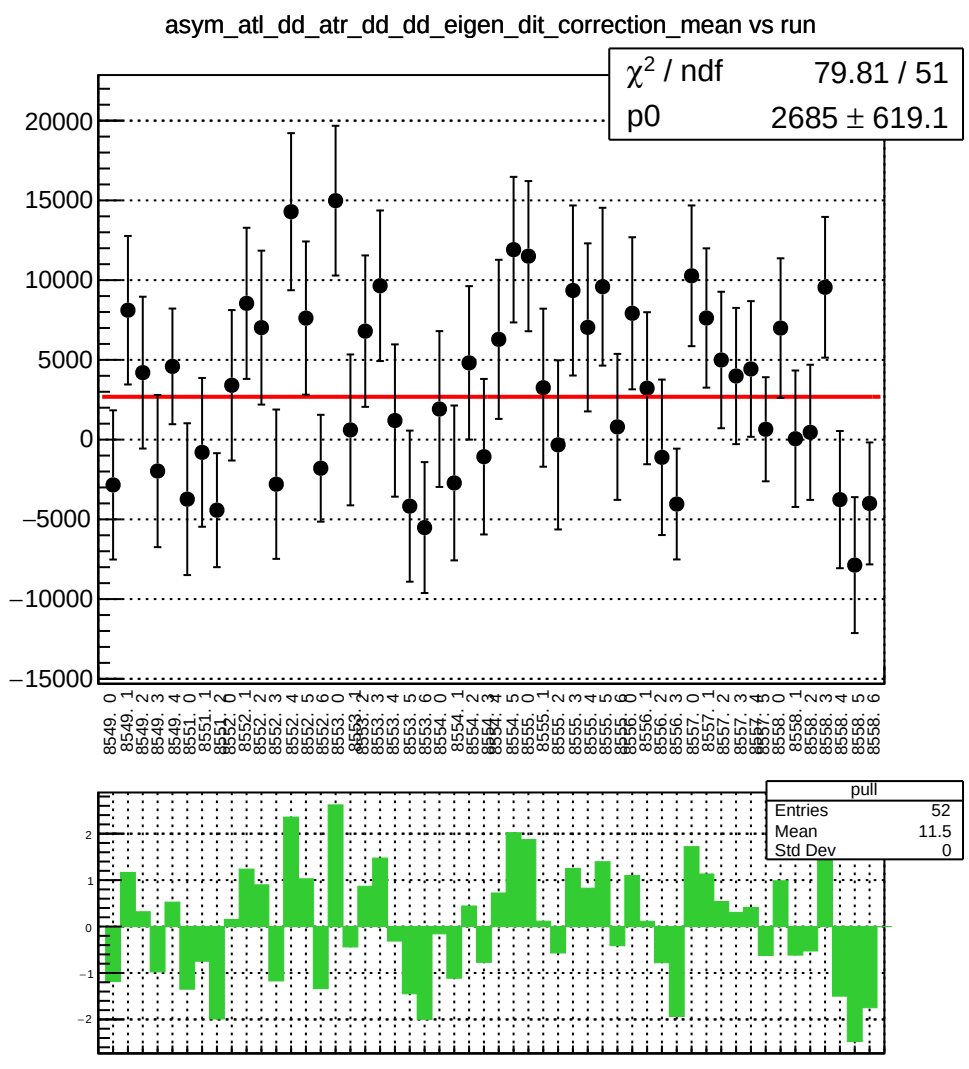
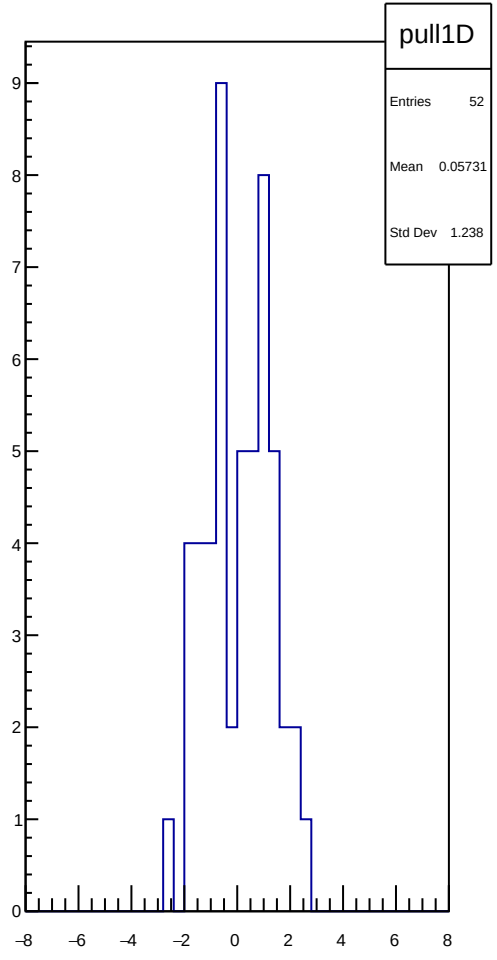
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

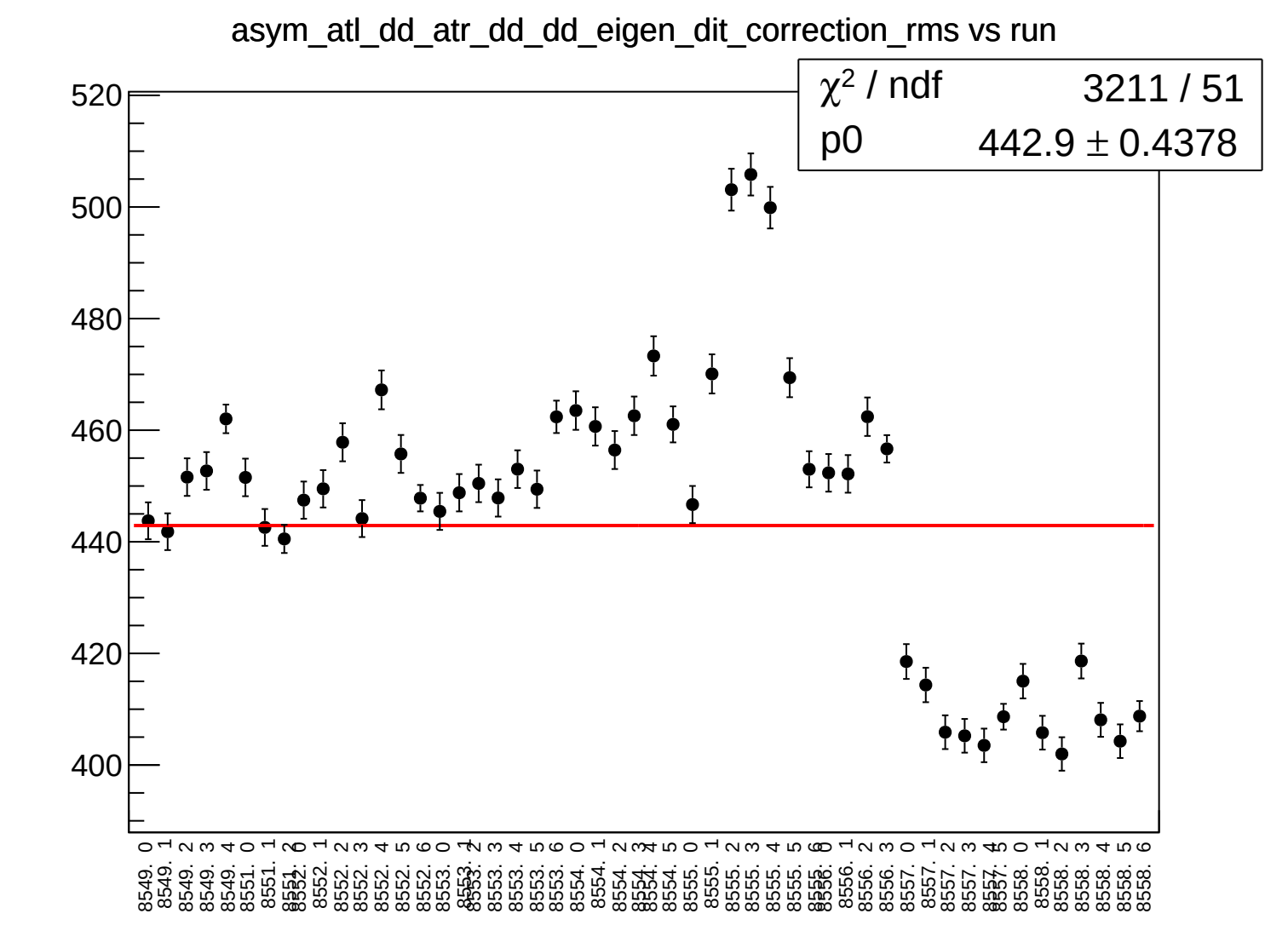

eigen_dit_asym_atl_dd_atr_dd_dd_mean vs run
×10^3
χ² / ndf 47.5 / 50
p0 −6712 ± 2.224e+04
600
400
200
0
−200
−400
pull
Entries 51
Mean 196.7
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5

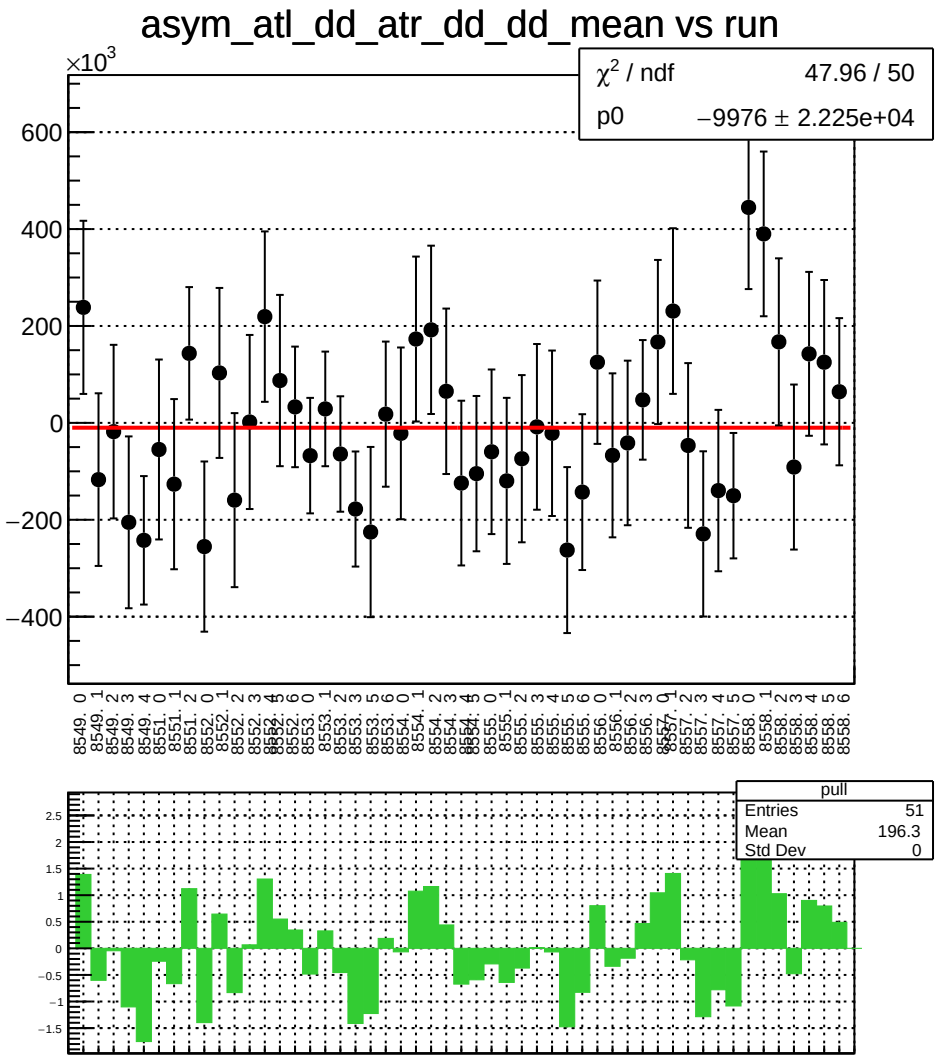

pull1D
Entries 51
Mean 0.02005
Std Dev 0.9649
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

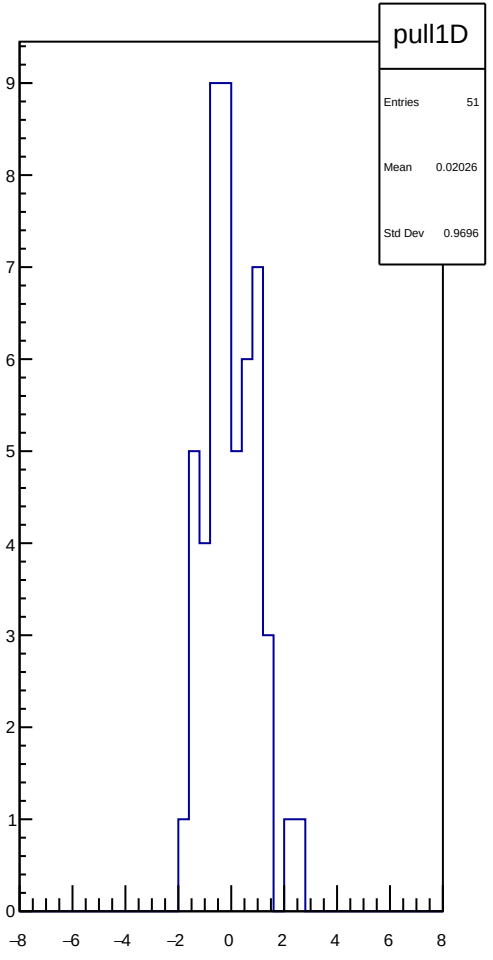

eigen_dit_asym_atl_dd_atr_dd_dd_rms vs run
×10^3
400
350
300
250
200
150
100
50
χ² / ndf 2.997e+04 / 51
p0 1.57e+04 ± 15.73
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 5
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

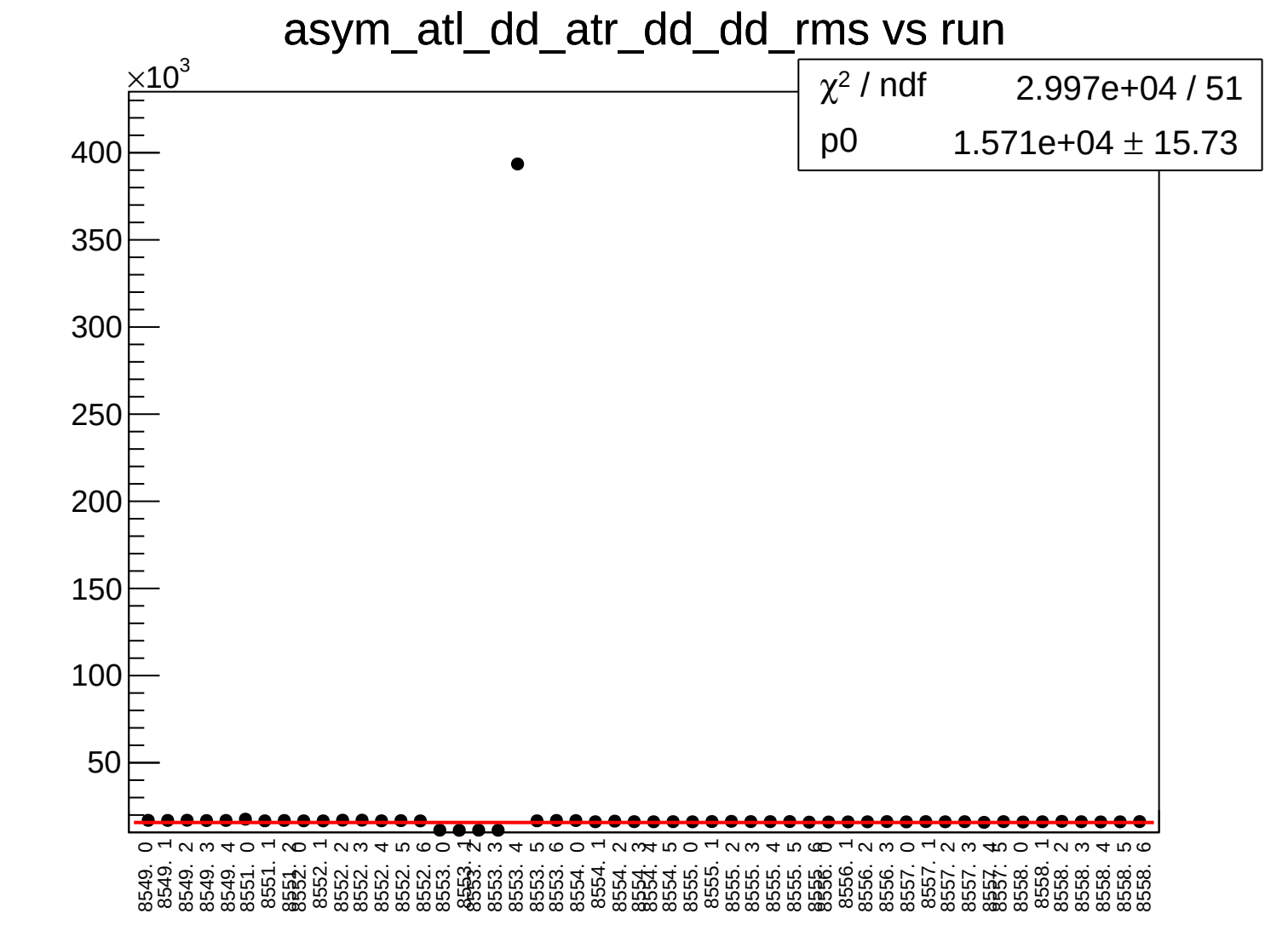

asym_atl_dd_atr_dd_dd_eigen_dit_correction_mean vs run
χ² / ndf 79.81 / 51
p0 2685 ± 619.1
pull
Entries 52
Mean 11.5
Std Dev 0

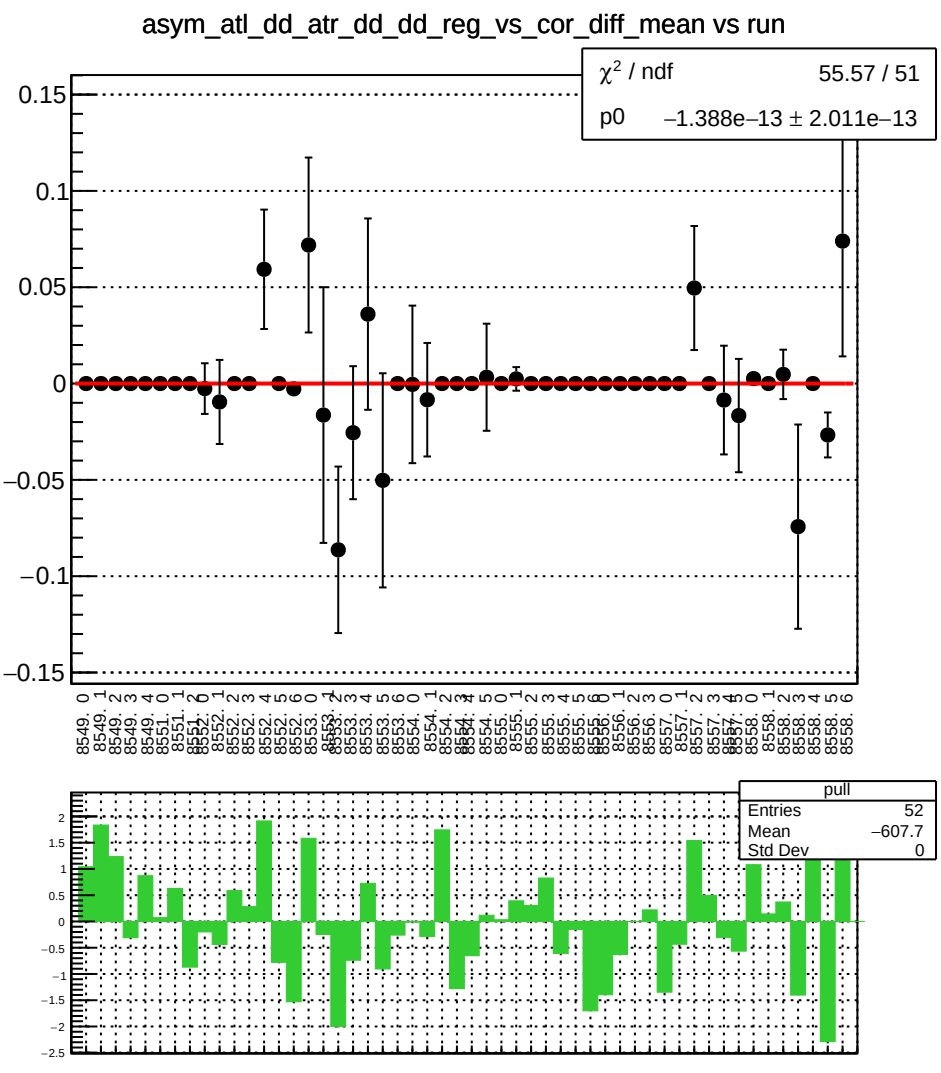

pull1D
Entries 52
Mean 0.05731
Std Dev 1.238

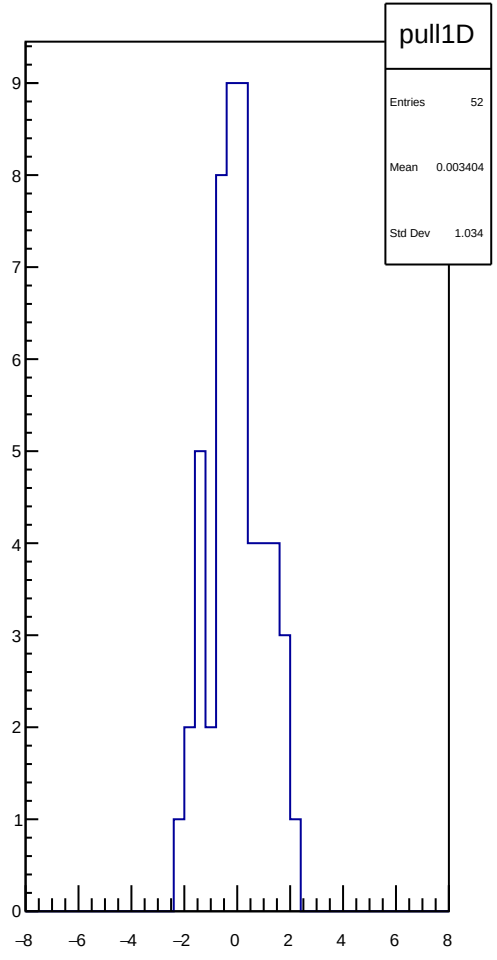

asym_atl_dd_atr_dd_dd_eigen_dit_correction_rms vs run
χ² / ndf 3211 / 51
p0 442.9 ± 0.4378
520
500
480
460
440
420
400
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 5
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

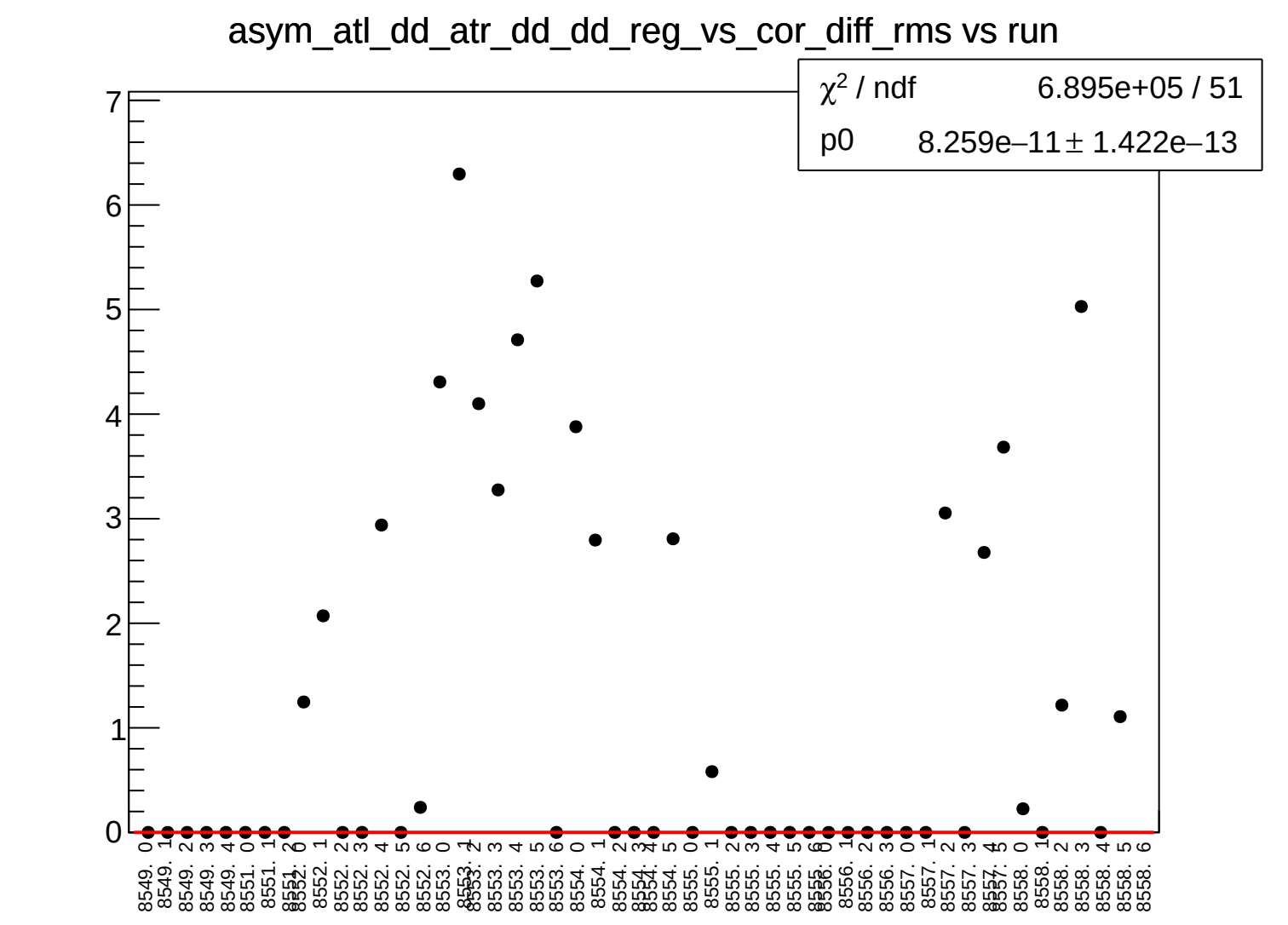

asym_atl_dd_atr_dd_dd_mean vs run
×10^3
χ² / ndf 47.96 / 50
p0 −9976 ± 2.225e+04
600
400
200
0
−200
−400
pull
Entries 51
Mean 196.3
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5

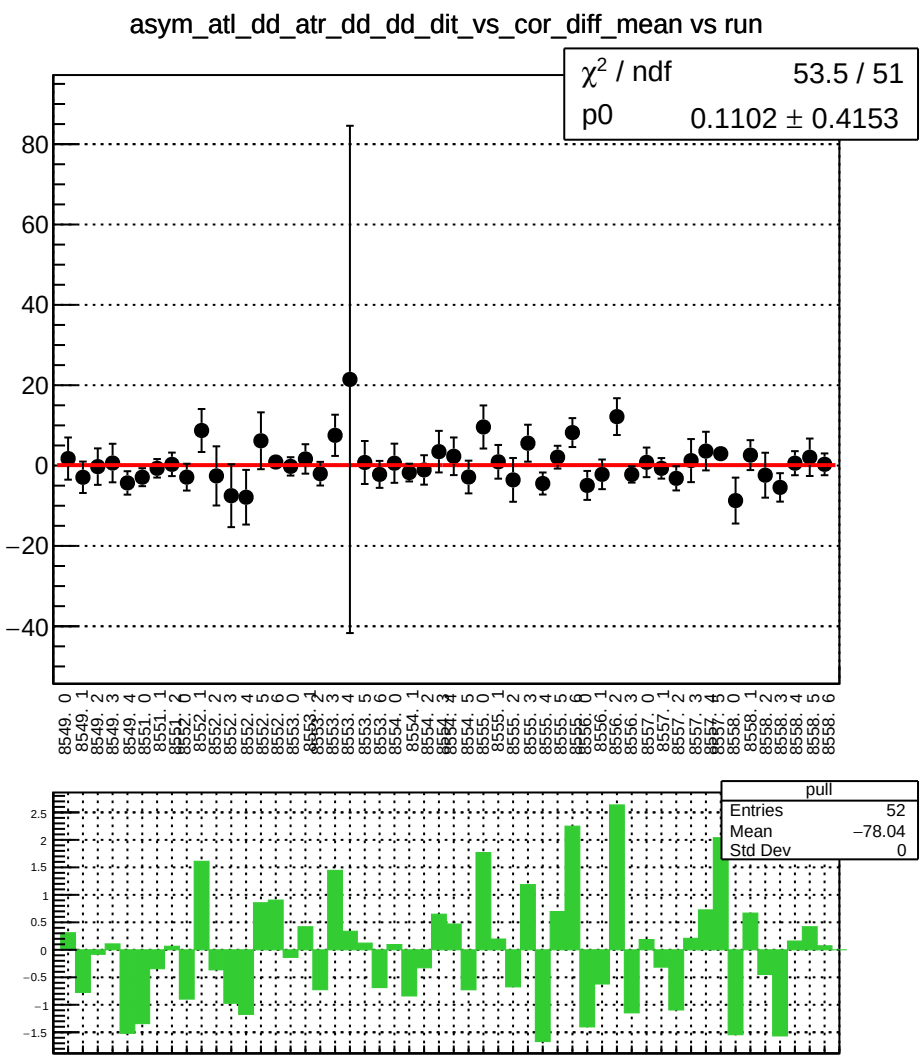

pull1D
Entries 51
Mean 0.02026
Std Dev 0.9696
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

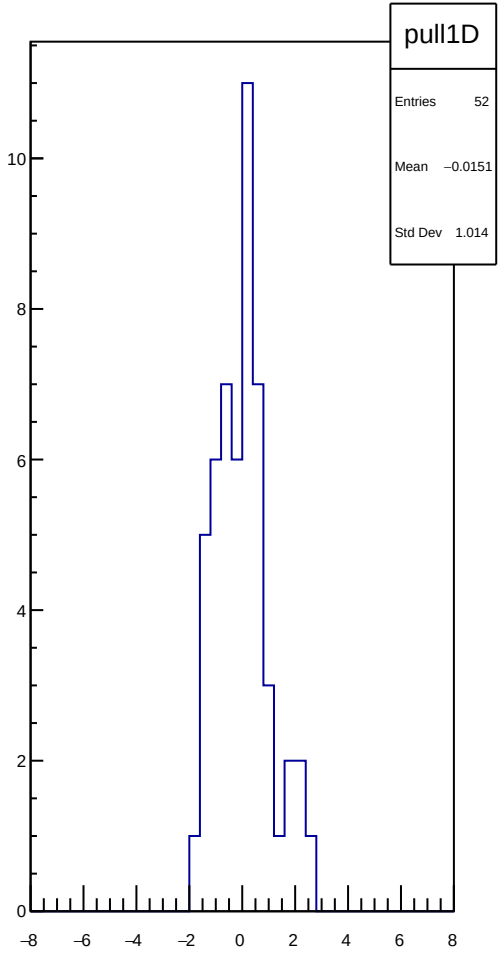

asym_atl_dd_atr_dd_dd_rms vs run
×10^3
χ² / ndf 2.997e+04 / 51
p0 1.571e+04 ± 15.73
400
350
300
250
200
150
100
50
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 5
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

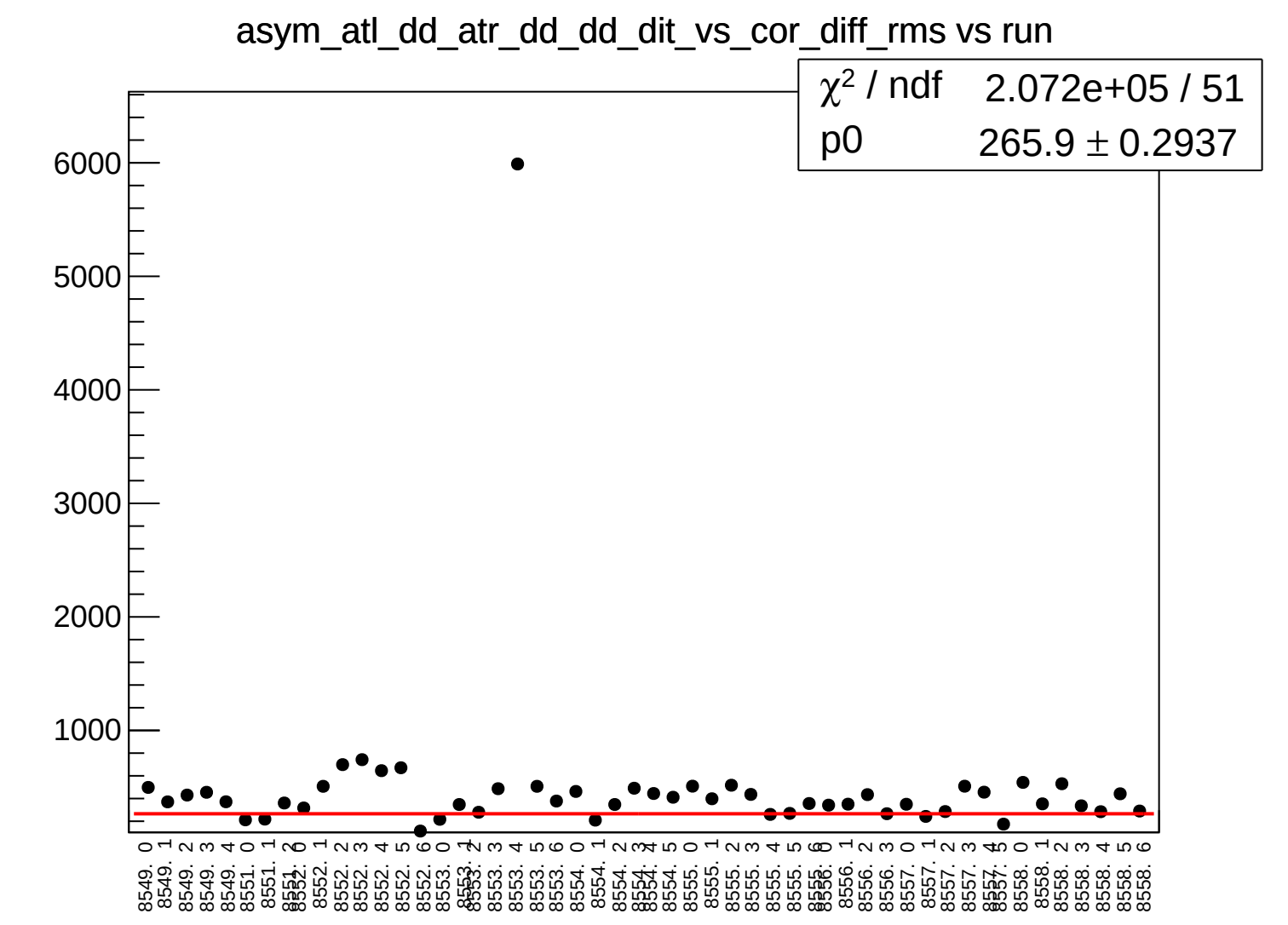

asym_atl_dd_atr_dd_dd_reg_vs_cor_diff_mean vs run
χ² / ndf 55.57 / 51
p0 −1.388e−13 ± 2.011e−13
pull
Entries 52
Mean −607.7
Std Dev 0

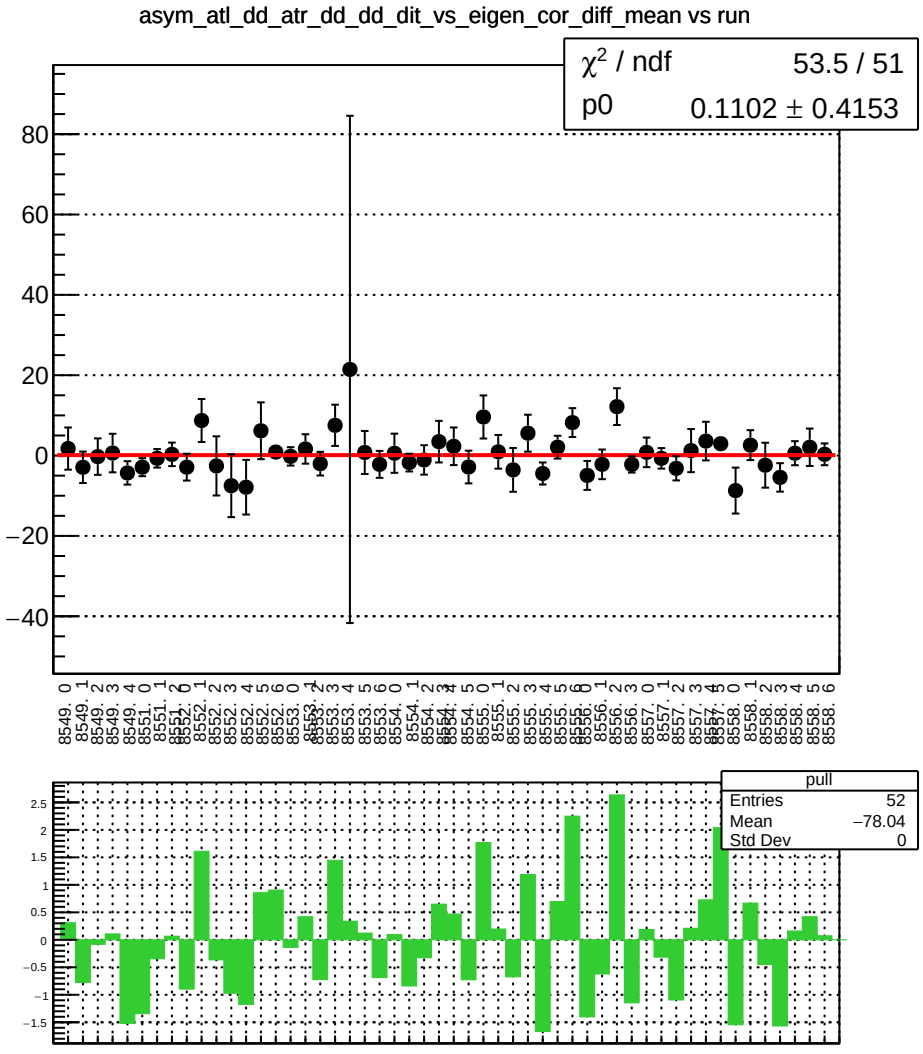

pull1D
Entries 52
Mean 0.003404
Std Dev 1.034

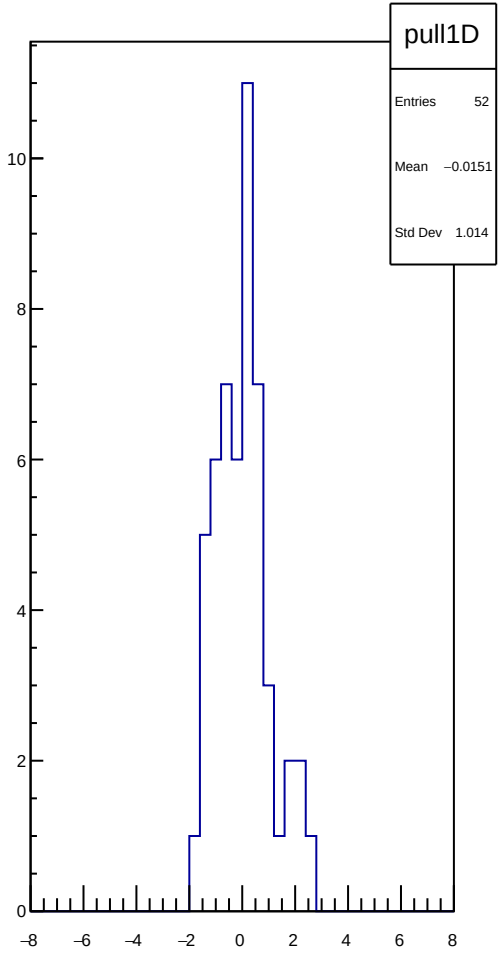

asym_atl_dd_atr_dd_dd_reg_vs_cor_diff_rms vs run
χ2 / ndf 6.895e+05 / 51
p0 8.259e−11 ± 1.422e−13
0
1
2
3
4
5
6
7
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 0
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 1
8553. 2
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 3
8554. 4
8554. 5
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8555. 6
8556. 0
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8557. 4
8557. 5
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

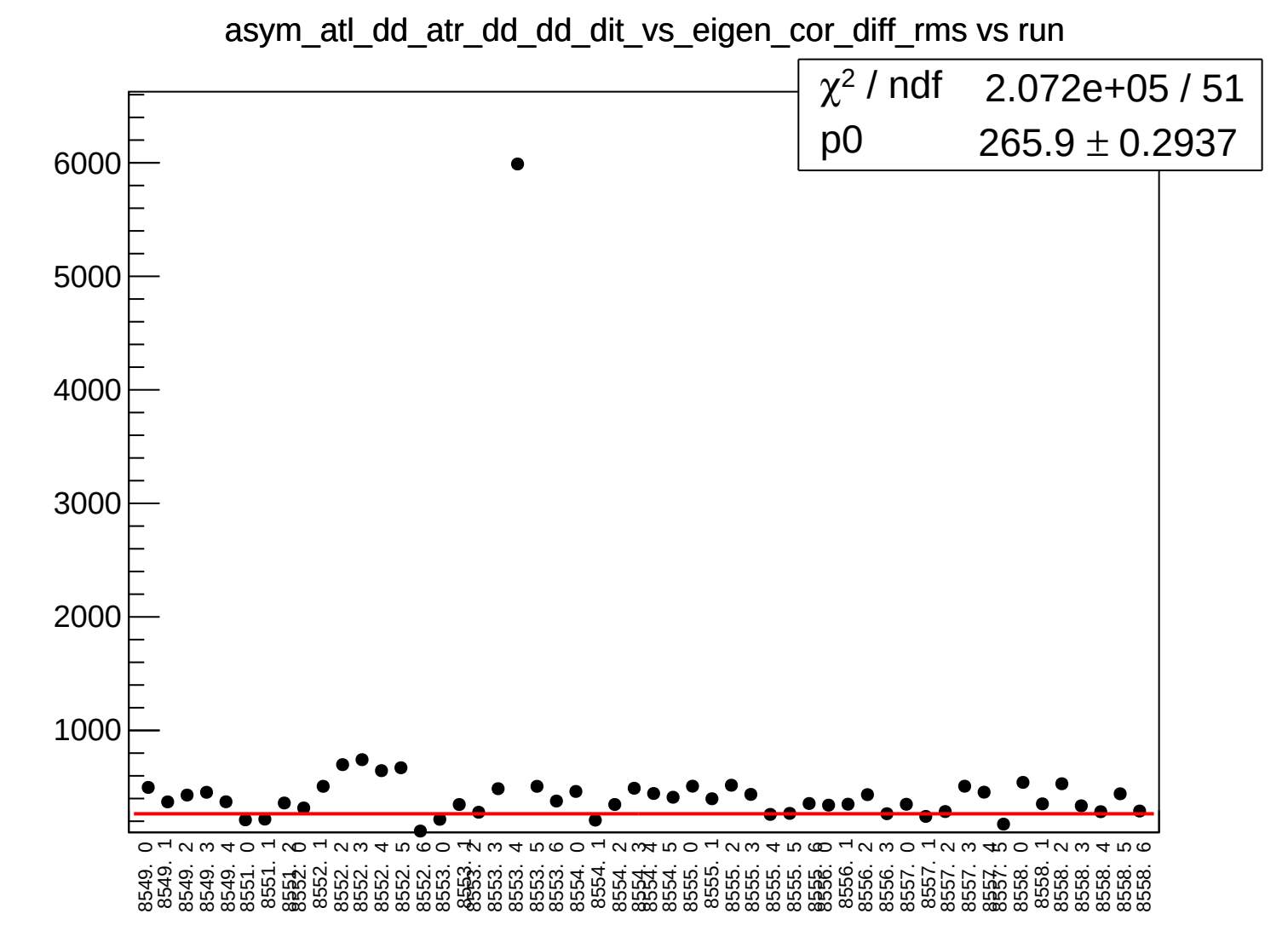

asym_atl_dd_atr_dd_dd_dit_vs_cor_diff_mean vs run
χ² / ndf 53.5 / 51
p0 0.1102 ± 0.4153
pull
Entries 52
Mean −78.04
Std Dev 0

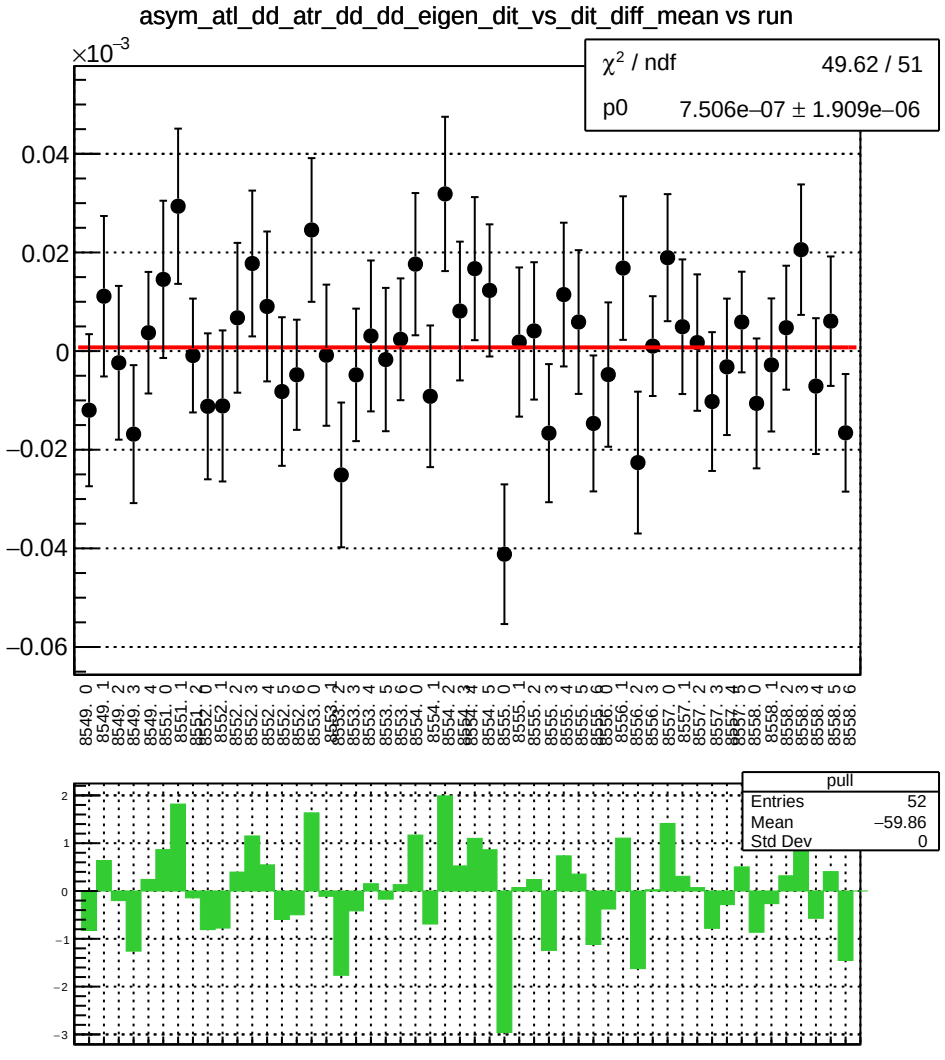

pull1D
Entries 52
Mean −0.0151
Std Dev 1.014

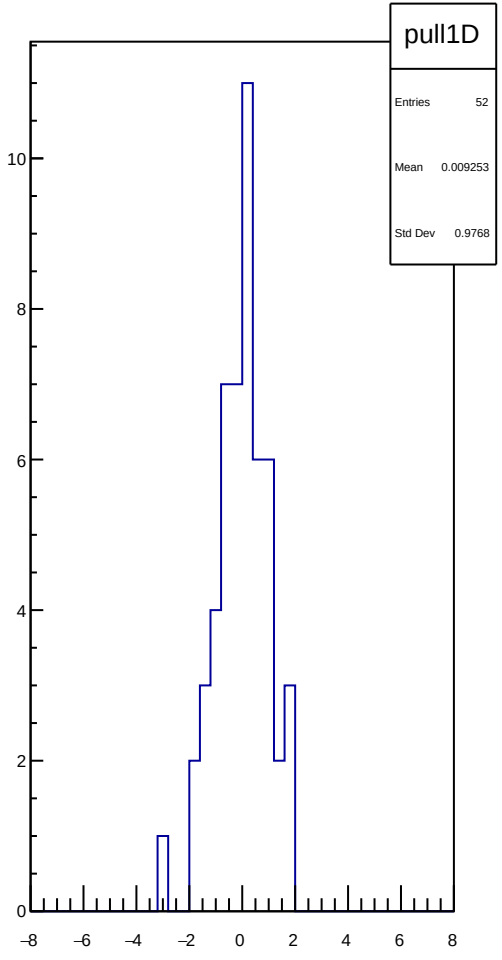

asym_atl_dd_atr_dd_dd_dit_vs_cor_diff_rms vs run
χ² / ndf 2.072e+05 / 51
p0 265.9 ± 0.2937
6000
5000
4000
3000
2000
1000
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

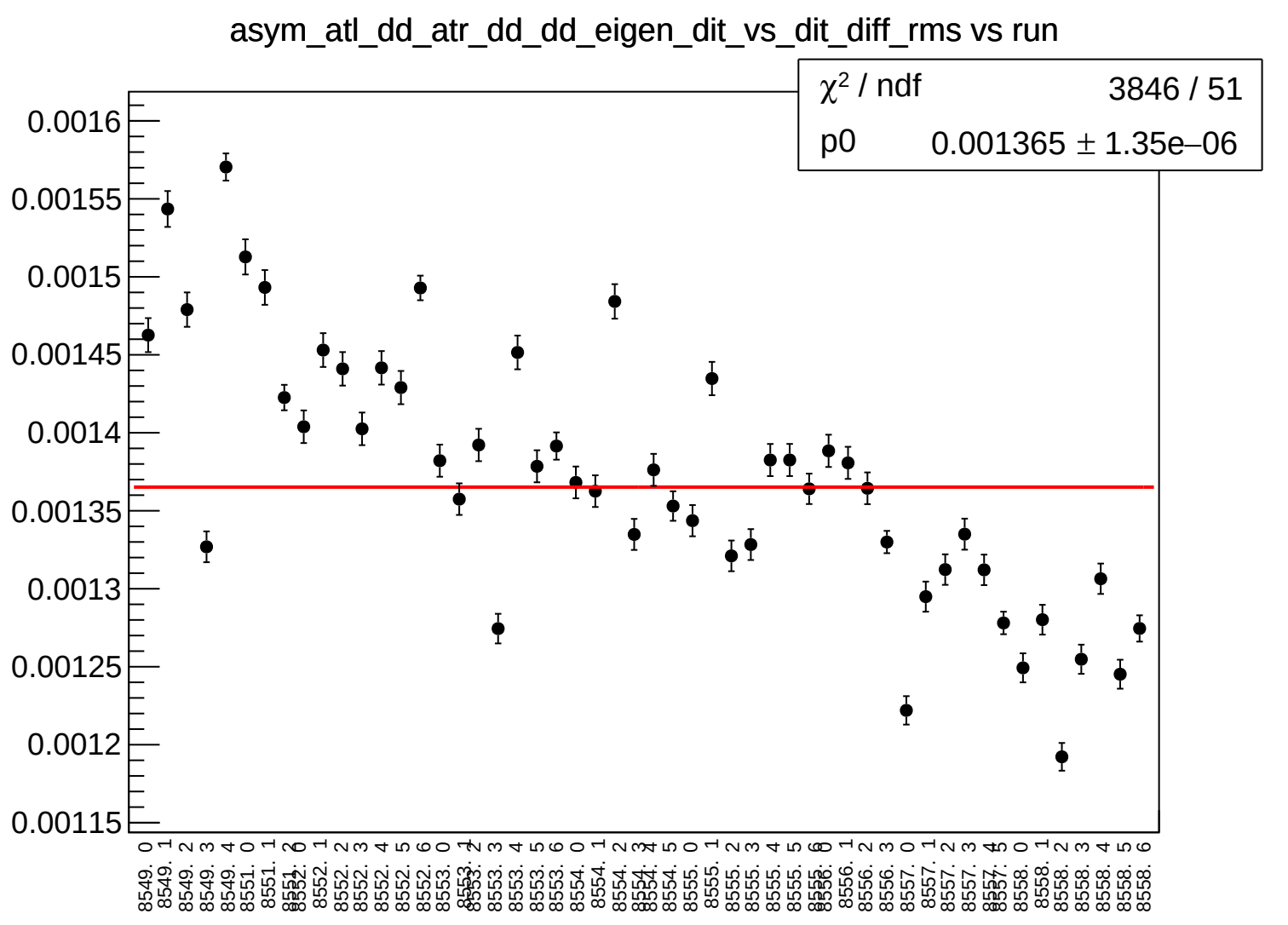

asym_atl_dd_atr_dd_dd_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 53.5 / 51
p0 0.1102 ± 0.4153
pull
Entries 52
Mean −78.04
Std Dev 0

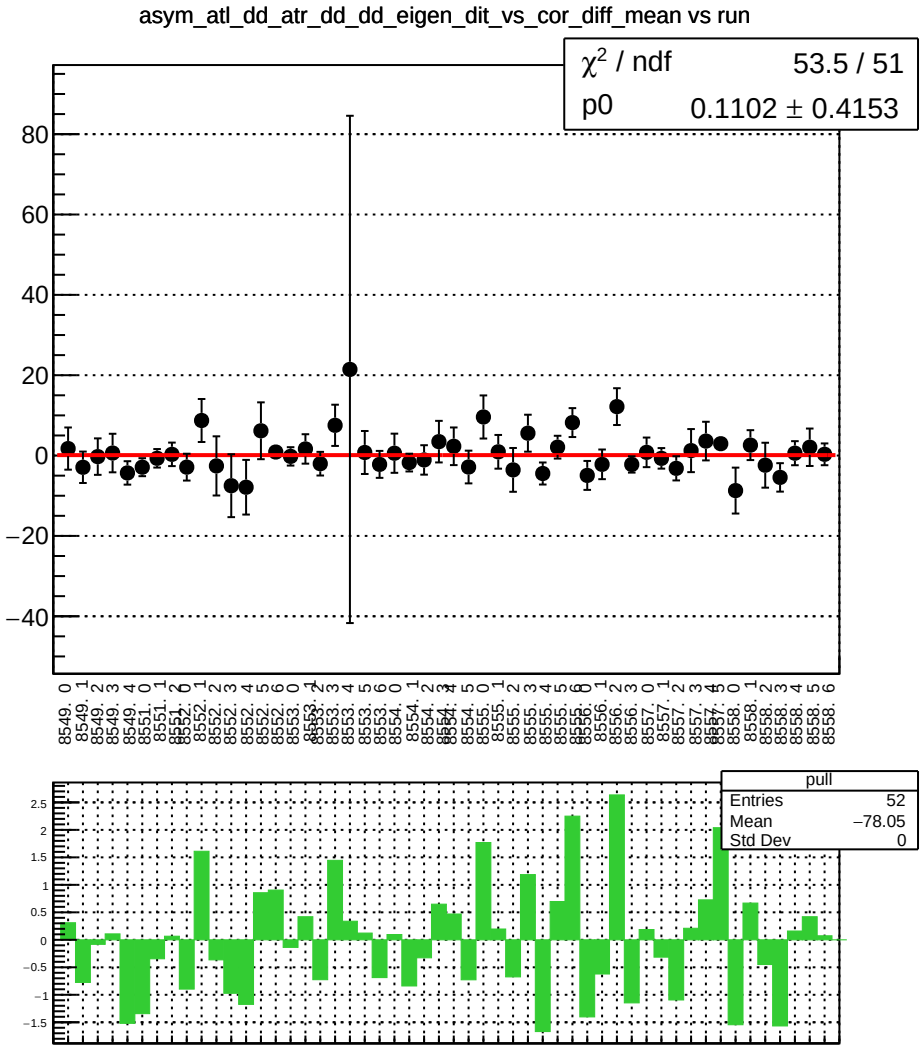

pull1D
Entries 52
Mean −0.0151
Std Dev 1.014

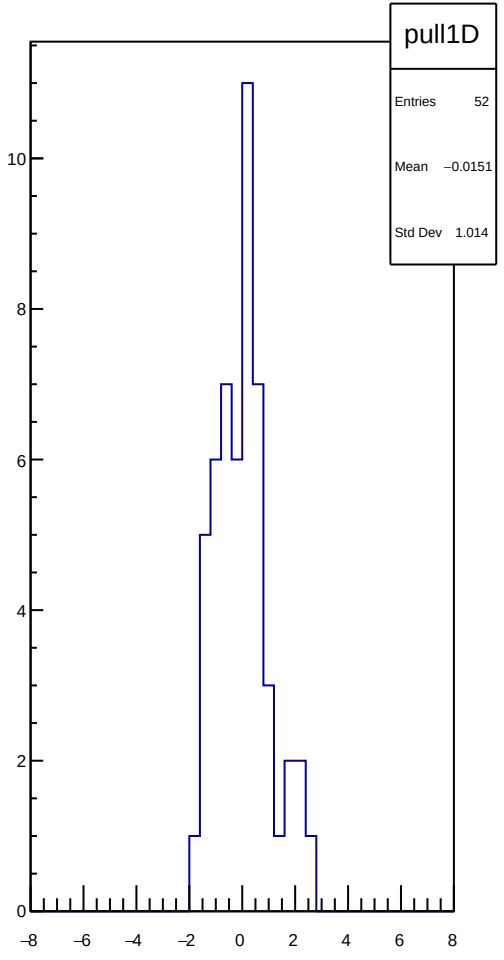

asym_atl_dd_atr_dd_dd_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 2.072e+05 / 51
p0 265.9 ± 0.2937
6000
5000
4000
3000
2000
1000
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

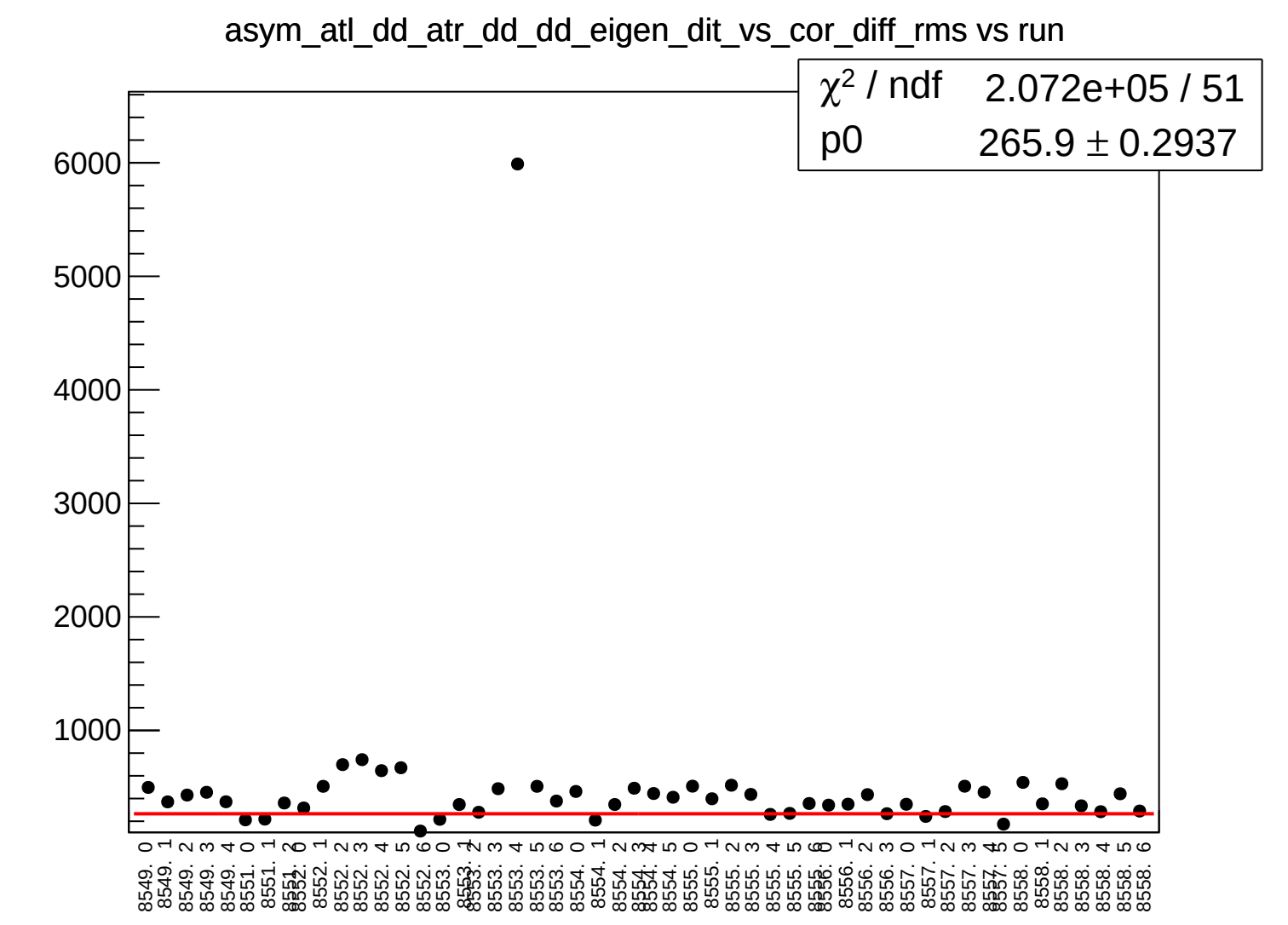

asym_atl_dd_atr_dd_dd_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 49.62 / 51
p0 7.506e−07 ± 1.909e−06
0.04
0.02
0
−0.02
−0.04
−0.06
pull
Entries 52
Mean −59.86
Std Dev 0
2
1
0
−1
−2
−3

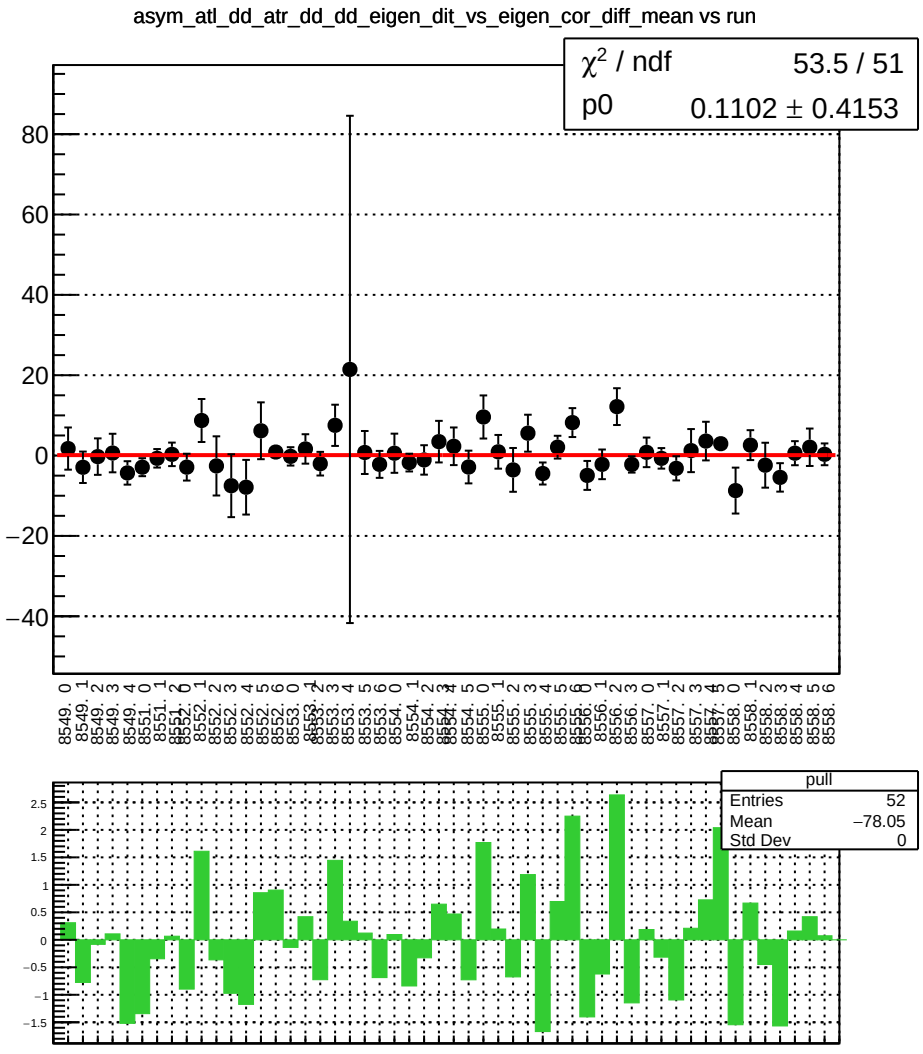

pull1D
Entries 52
Mean 0.009253
Std Dev 0.9768
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

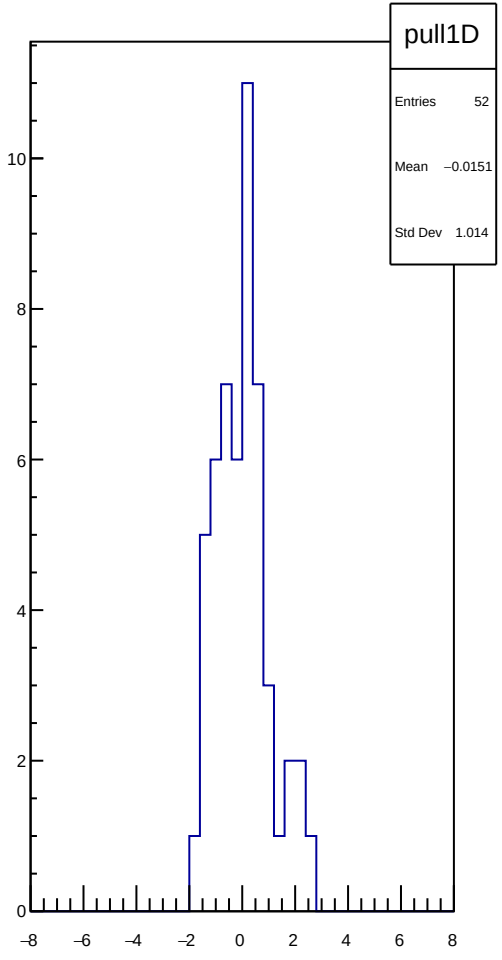

asym_atl_dd_atr_dd_dd_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 3846 / 51
p0 0.001365 ± 1.35e–06
0.0016
0.00155
0.0015
0.00145
0.0014
0.00135
0.0013
0.00125
0.0012
0.00115
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 5
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

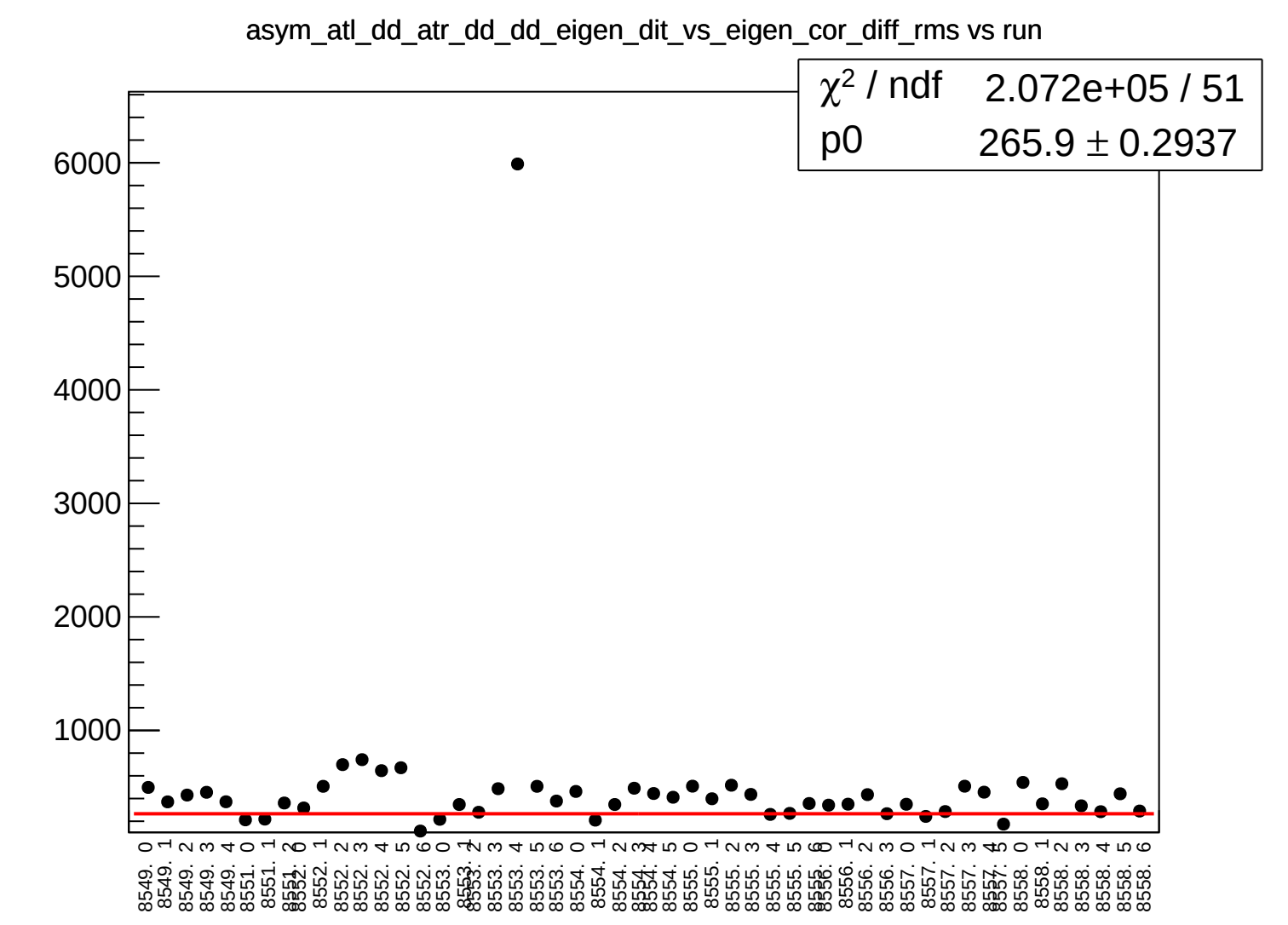

asym_atl_dd_atr_dd_dd_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 53.5 / 51
p0 0.1102 ± 0.4153
pull
Entries 52
Mean −78.05
Std Dev 0

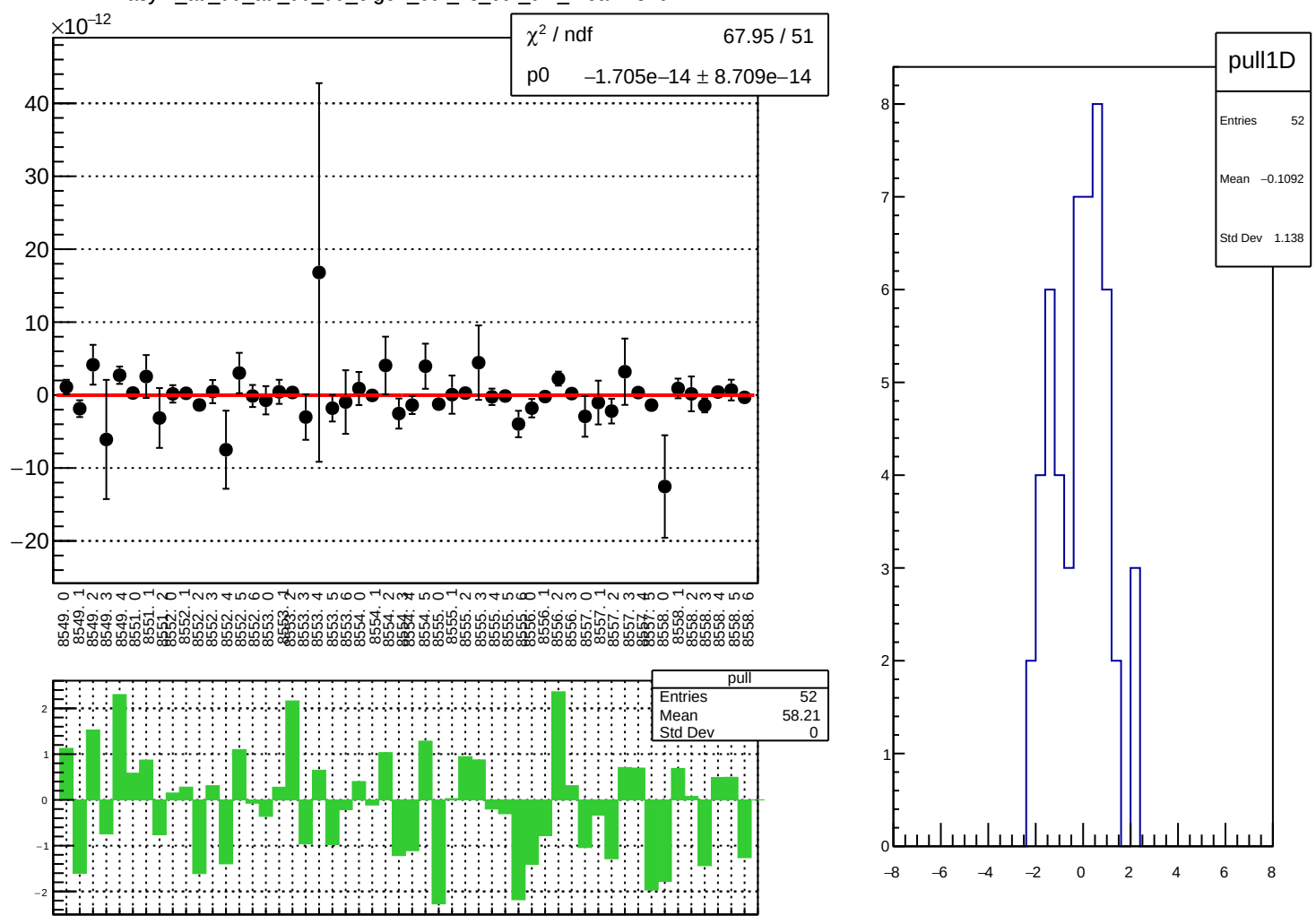

pull1D
Entries 52
Mean −0.0151
Std Dev 1.014

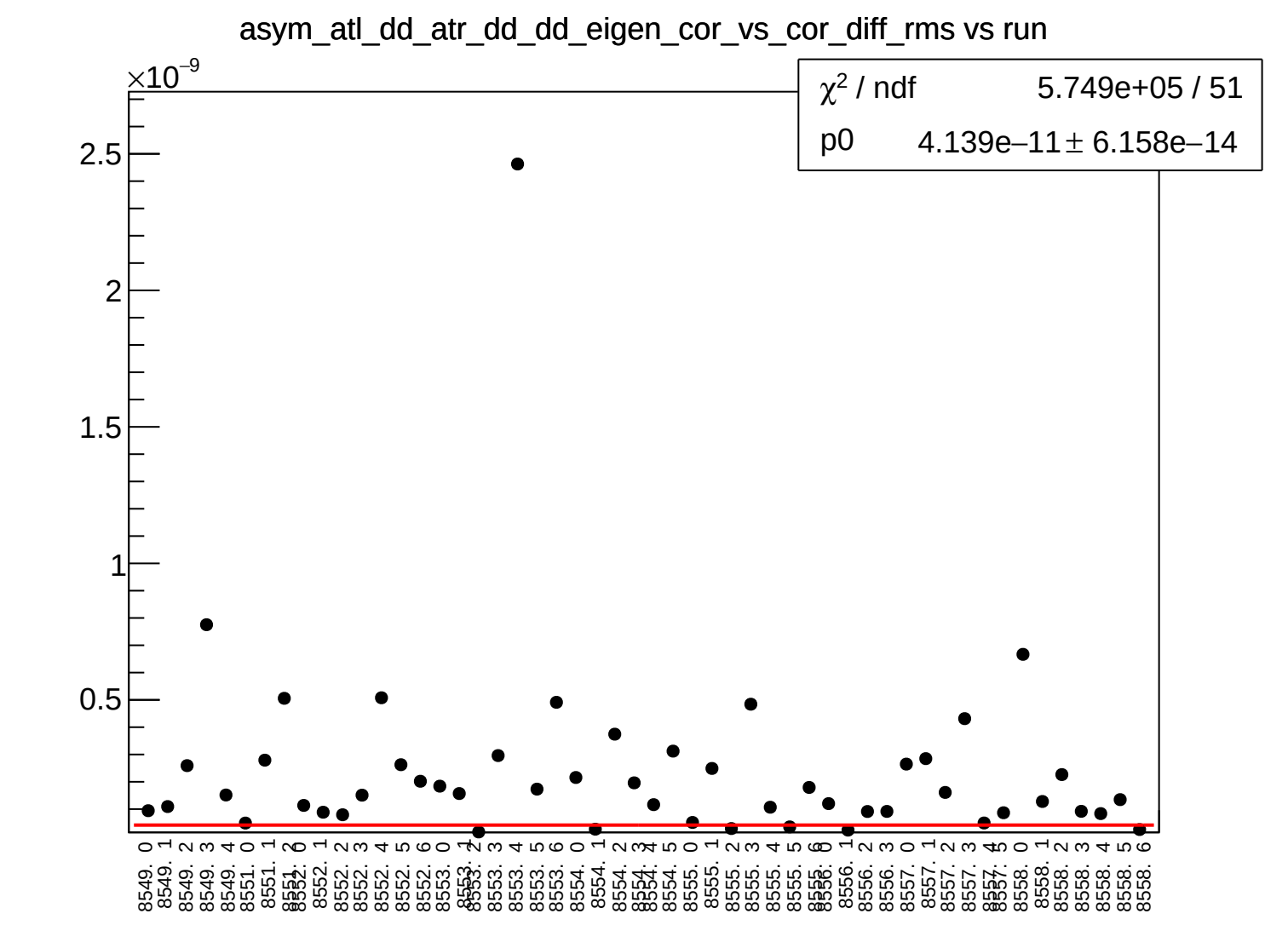

asym_atl_dd_atr_dd_dd_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 2.072e+05 / 51
p0 265.9 ± 0.2937
6000
5000
4000
3000
2000
1000
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 5
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

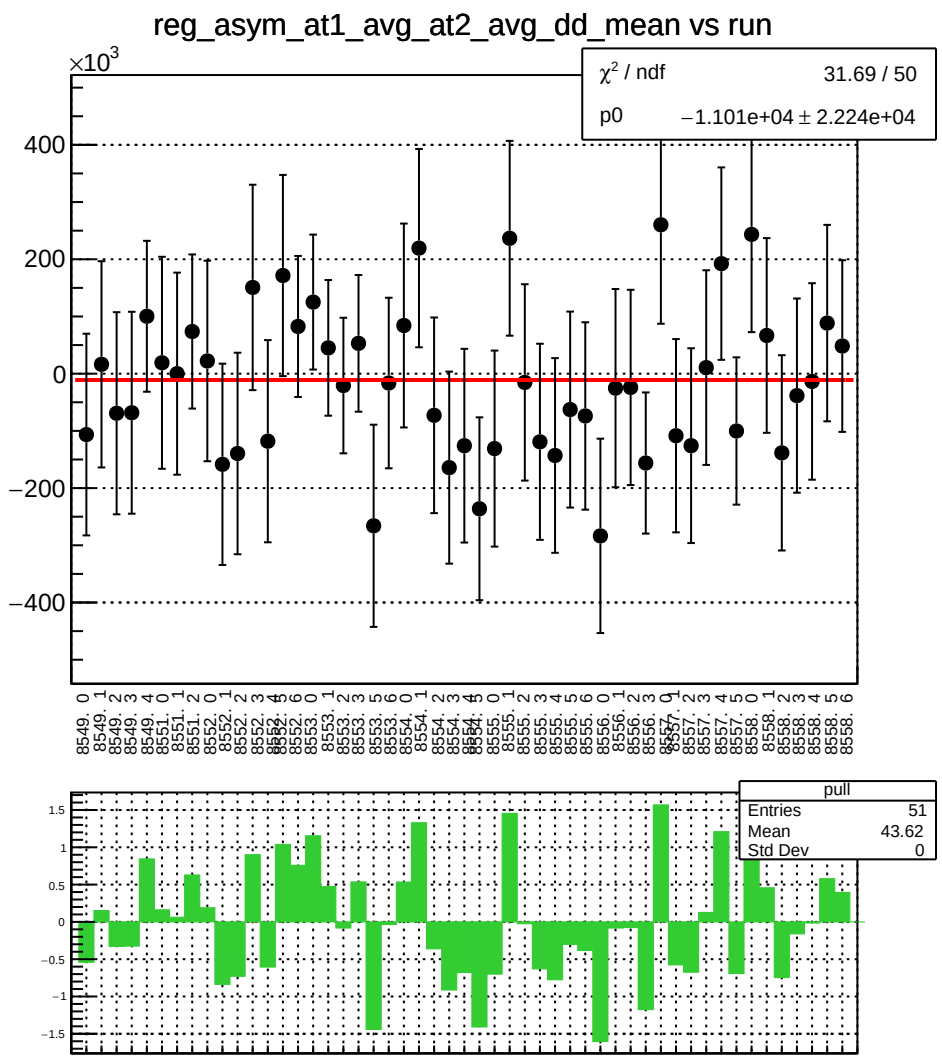

asym_atl_dd_atr_dd_dd_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 53.5 / 51
p0 0.1102 ± 0.4153
pull
Entries 52
Mean −78.05
Std Dev 0

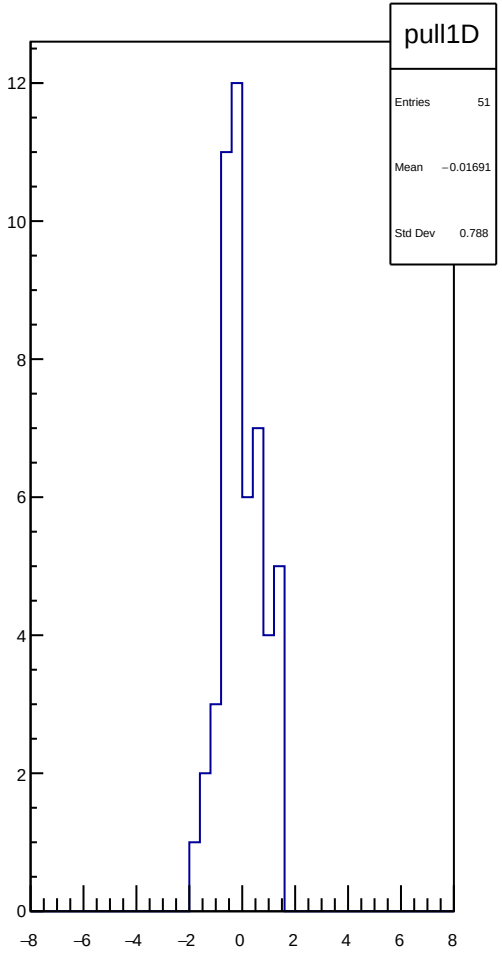

pull1D
Entries 52
Mean −0.0151
Std Dev 1.014

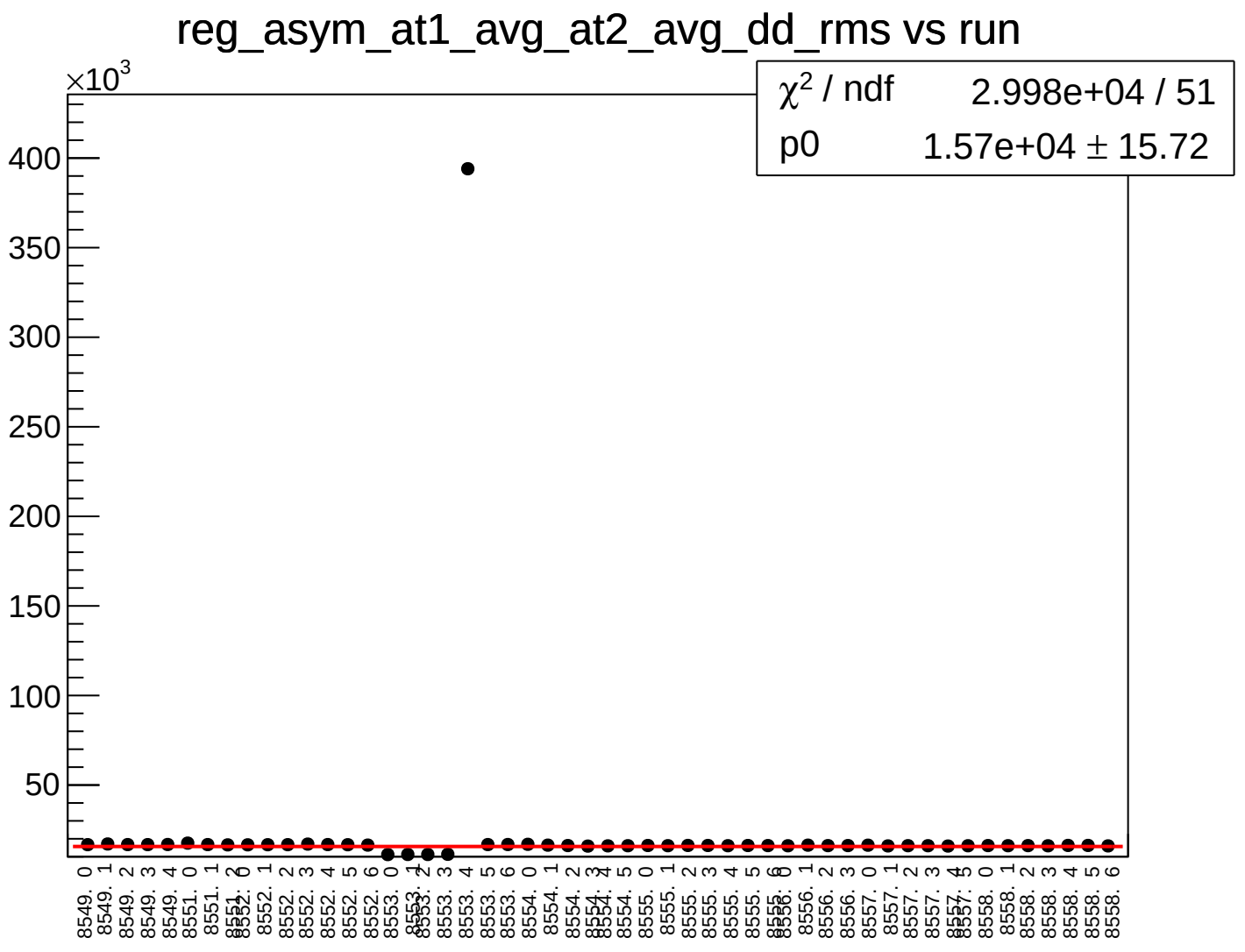

asym_atl_dd_atr_dd_dd_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 2.072e+05 / 51
p0 265.9 ± 0.2937
6000
5000
4000
3000
2000
1000
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

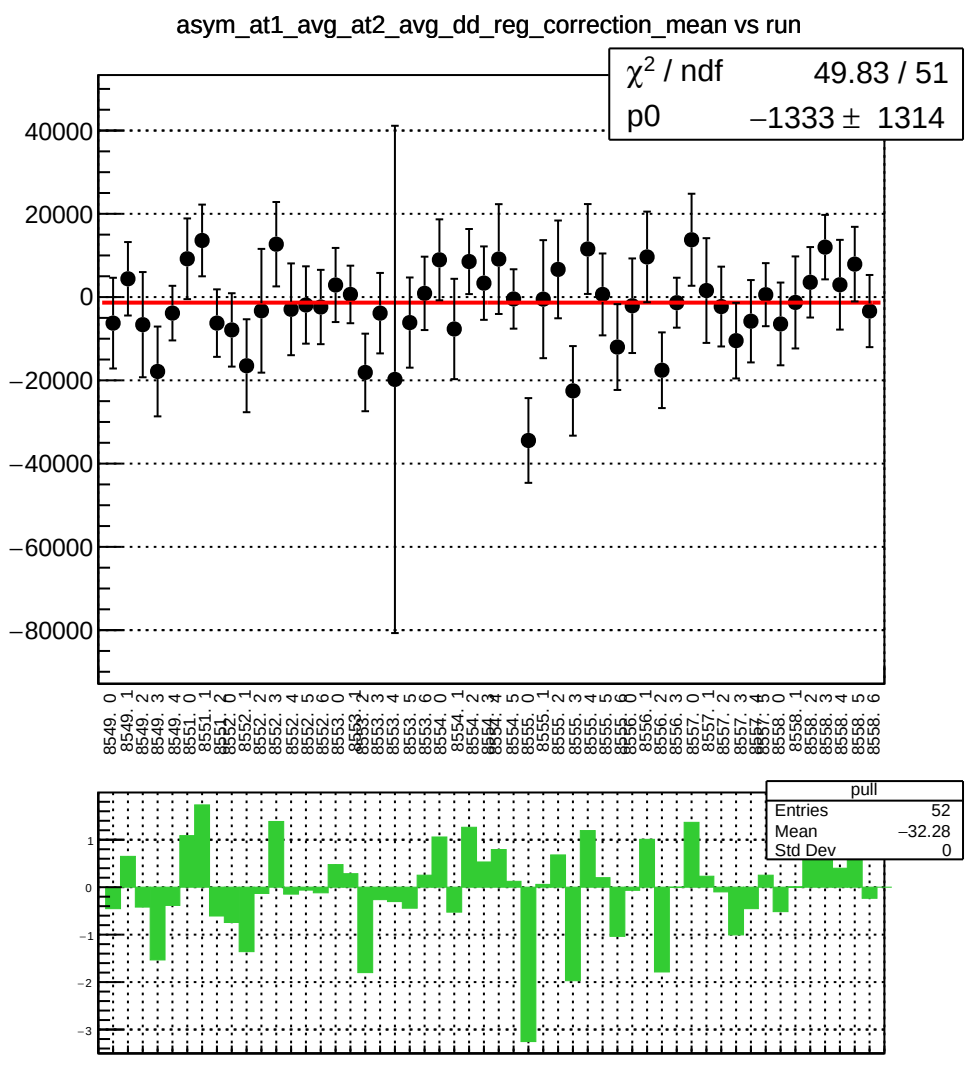

asym_atl_dd_atr_dd_dd_eigen_cor_vs_cor_diff_mean vs run
×10−12
χ2 / ndf 67.95 / 51
p0 −1.705e−14 ± 8.709e−14
pull
Entries 52
Mean 58.21
Std Dev 0
pull1D
Entries 52
Mean −0.1092
Std Dev 1.138

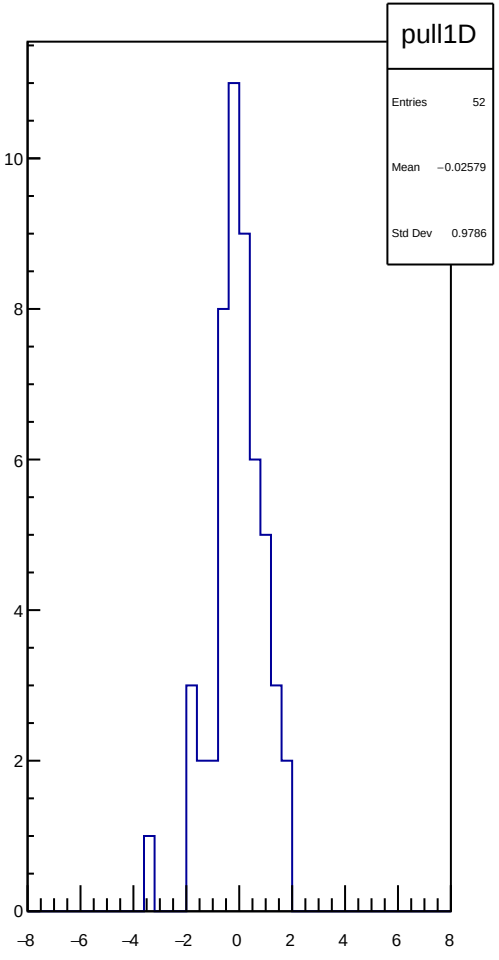

asym_atl_dd_atr_dd_dd_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 5.749e+05 / 51
p0 4.139e−11 ± 6.158e−14
2.5
2
1.5
1
0.5

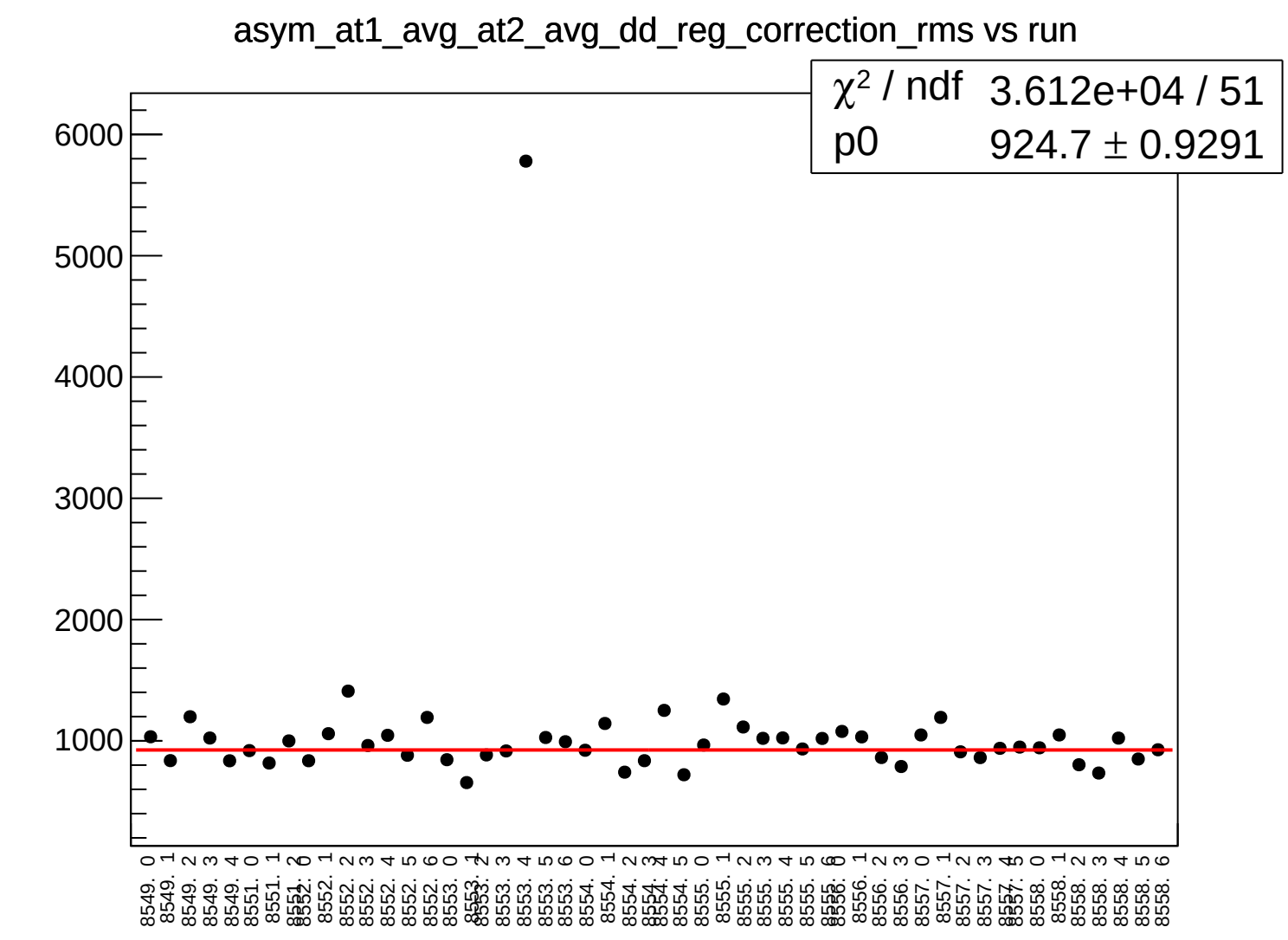

reg_asym_at1_avg_at2_avg_dd_mean vs run
×10^3
χ² / ndf 31.69 / 50
p0 −1.101e+04 ± 2.224e+04
400
200
0
−200
−400
pull
Entries 51
Mean 43.62
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5

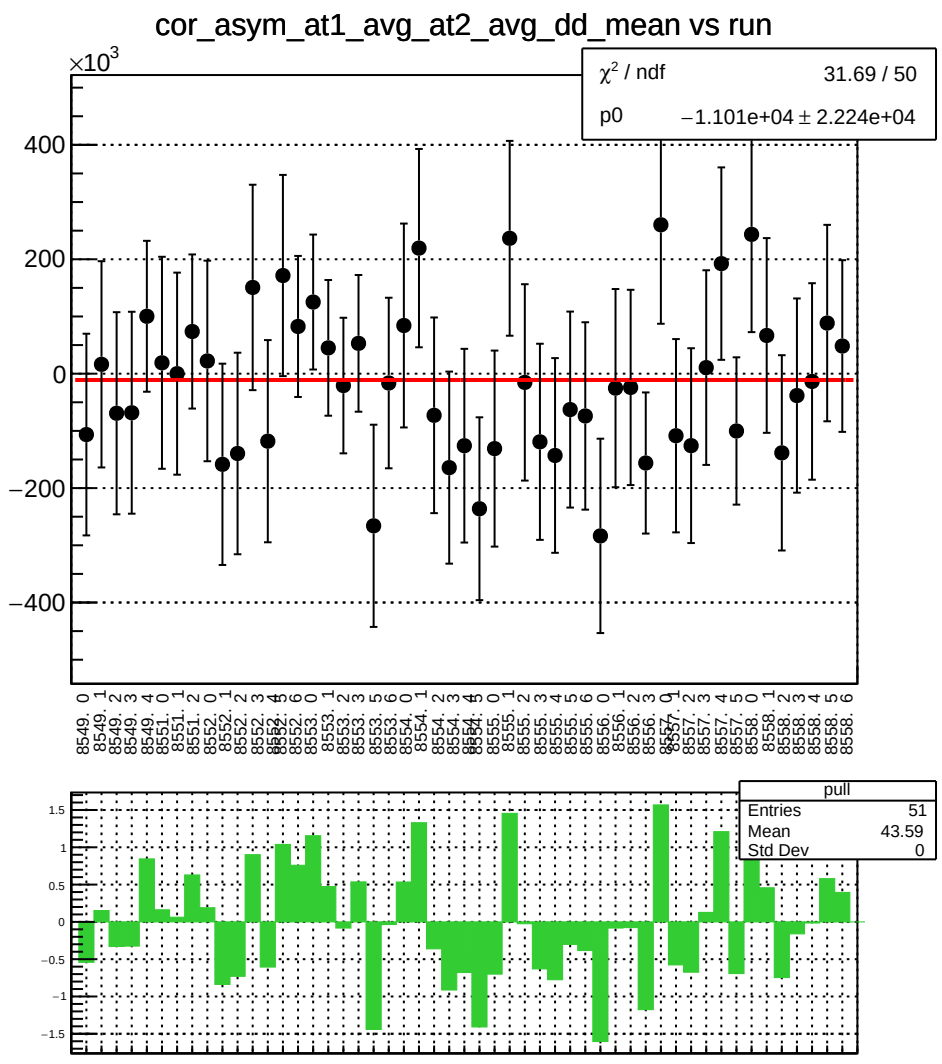

pull1D
Entries 51
Mean −0.01691
Std Dev 0.788
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

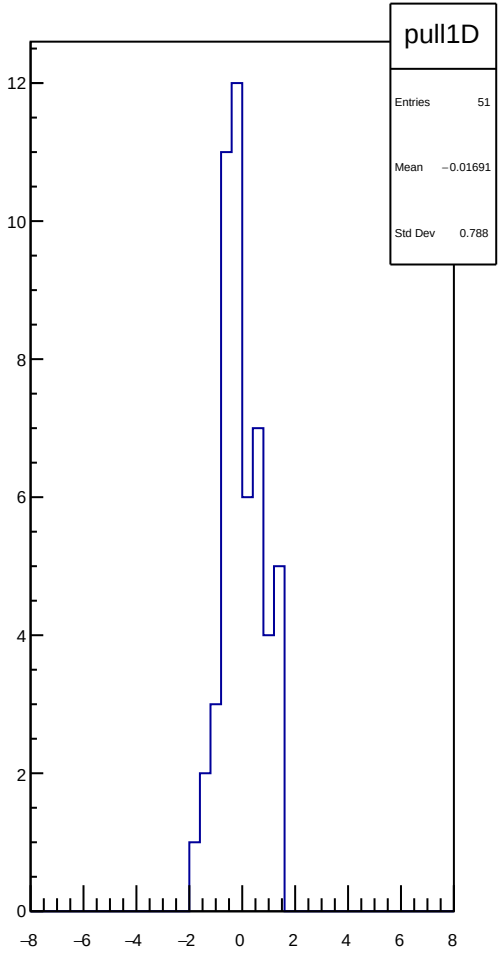

reg_asym_at1_avg_at2_avg_dd_rms vs run
×10^3
400
350
300
250
200
150
100
50
χ² / ndf 2.998e+04 / 51
p0 1.57e+04 ± 15.72
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 5
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

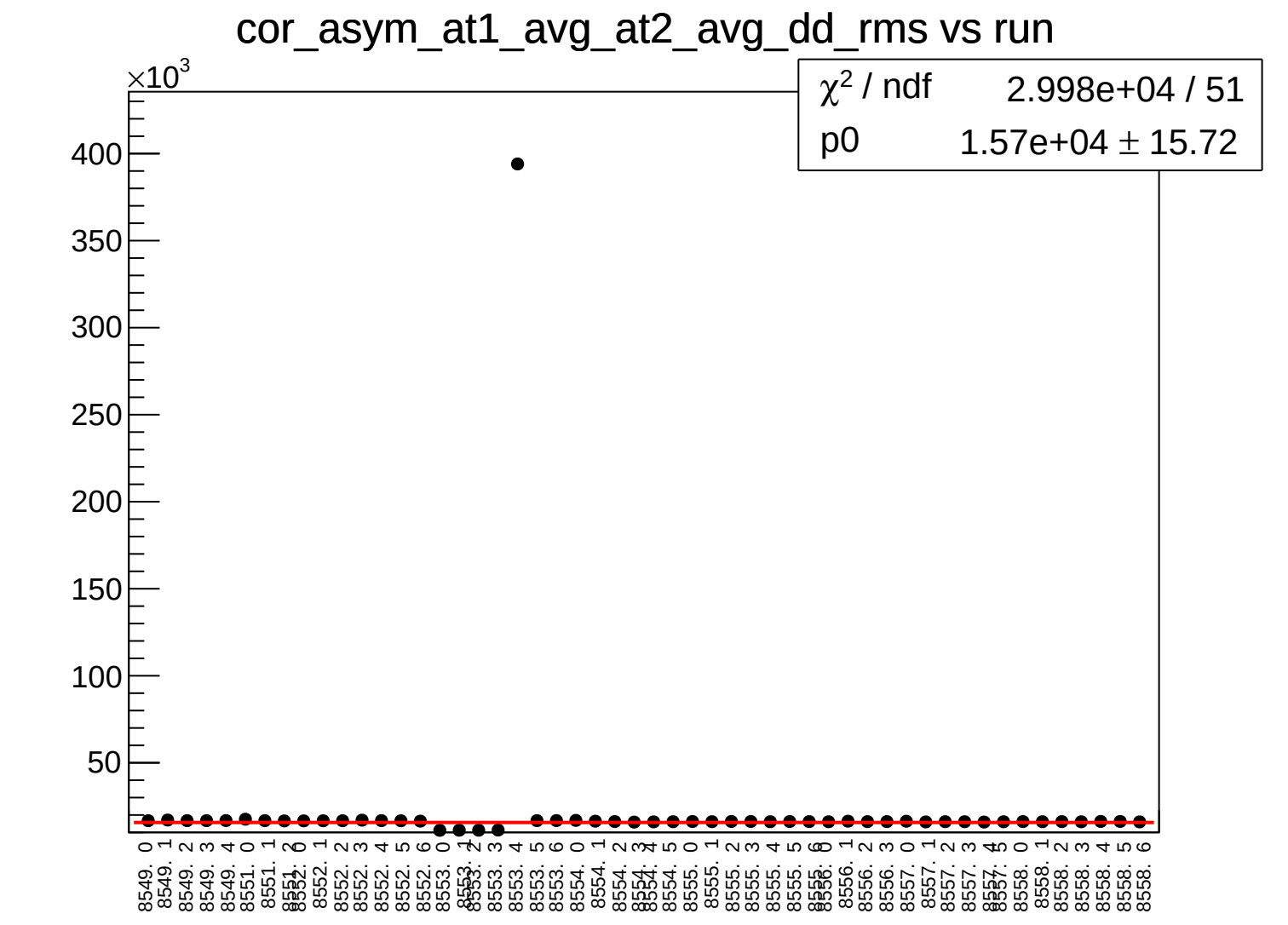

asym_at1_avg_at2_avg_dd_reg_correction_mean vs run
χ² / ndf 49.83 / 51
p0 −1333 ± 1314
40000
20000
0
−20000
−40000
−60000
−80000
pull
Entries 52
Mean −32.28
Std Dev 0
1
0
−1
−2
−3

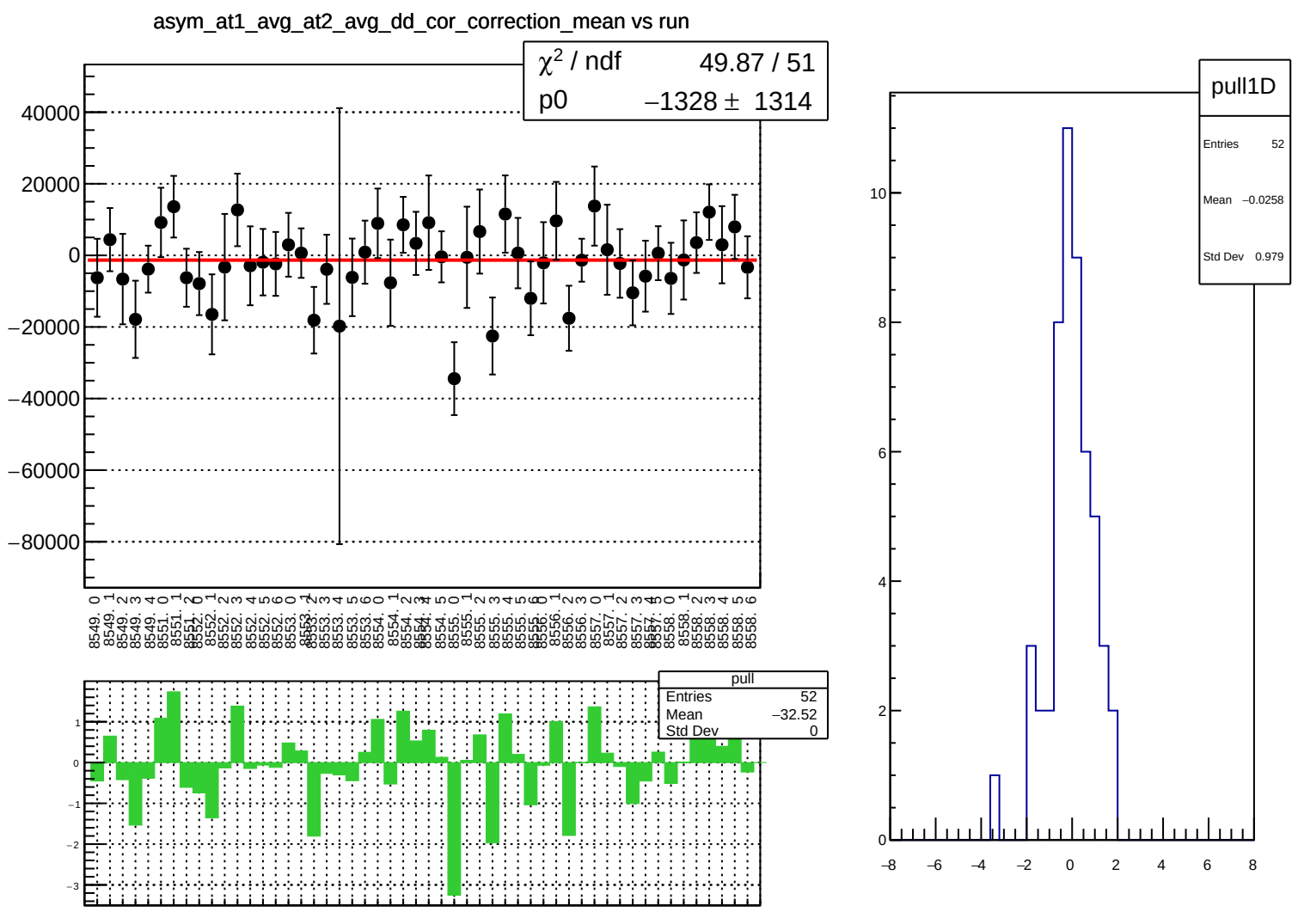

pull1D
Entries 52
Mean −0.02579
Std Dev 0.9786
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

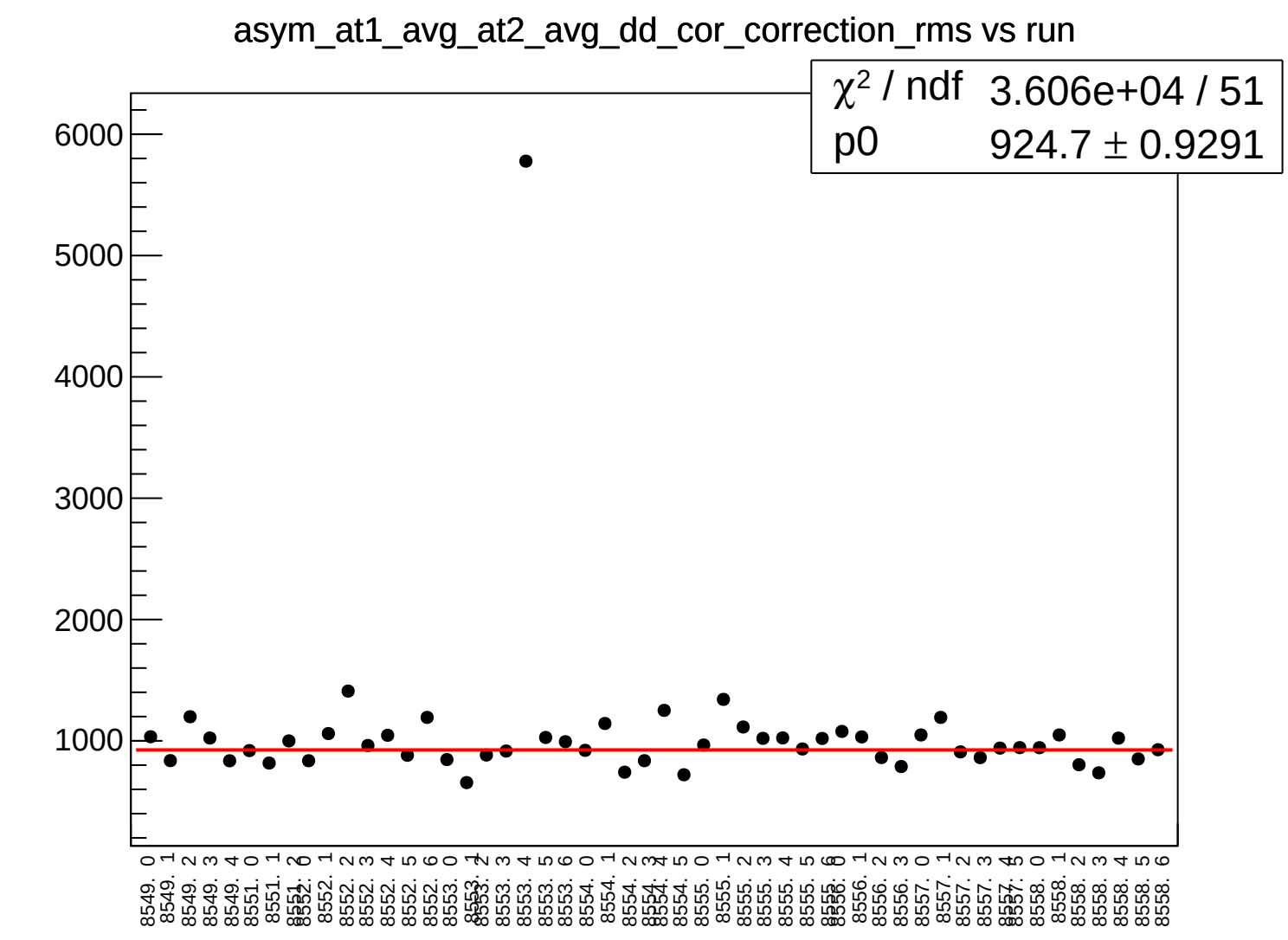

asym_at1_avg_at2_avg_dd_reg_correction_rms vs run
χ² / ndf 3.612e+04 / 51
p0 924.7 ± 0.9291
6000
5000
4000
3000
2000
1000
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

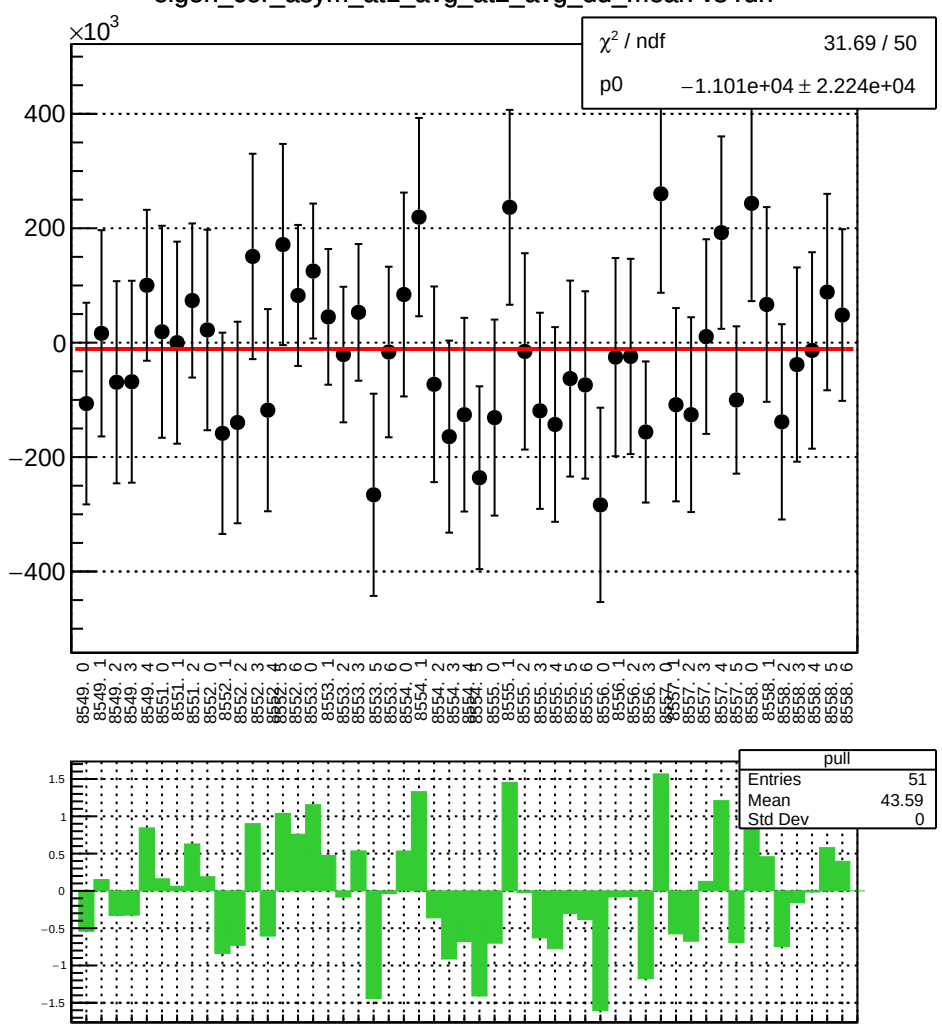

cor_asym_at1_avg_at2_avg_dd_mean vs run
×10^3
χ² / ndf 31.69 / 50
p0 −1.101e+04 ± 2.224e+04
400
200
0
−200
−400
pull
Entries 51
Mean 43.59
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5

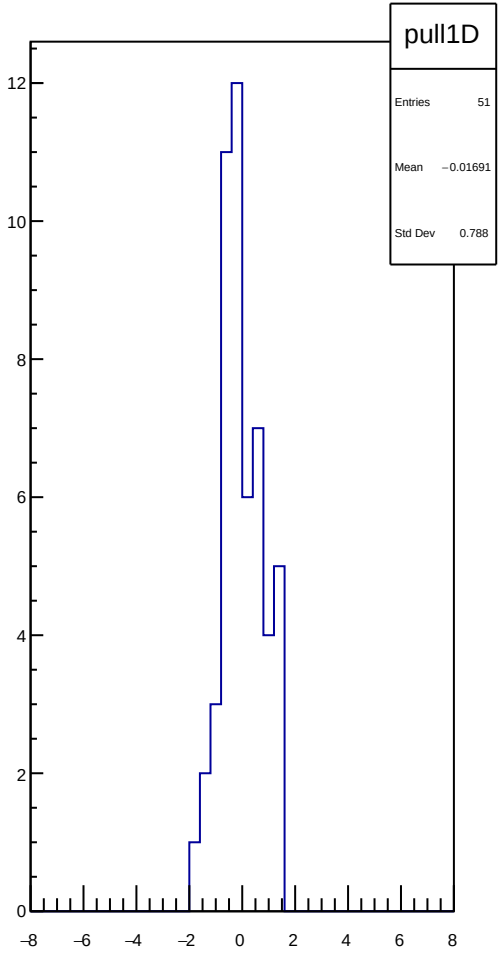

pull1D
Entries 51
Mean −0.01691
Std Dev 0.788
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

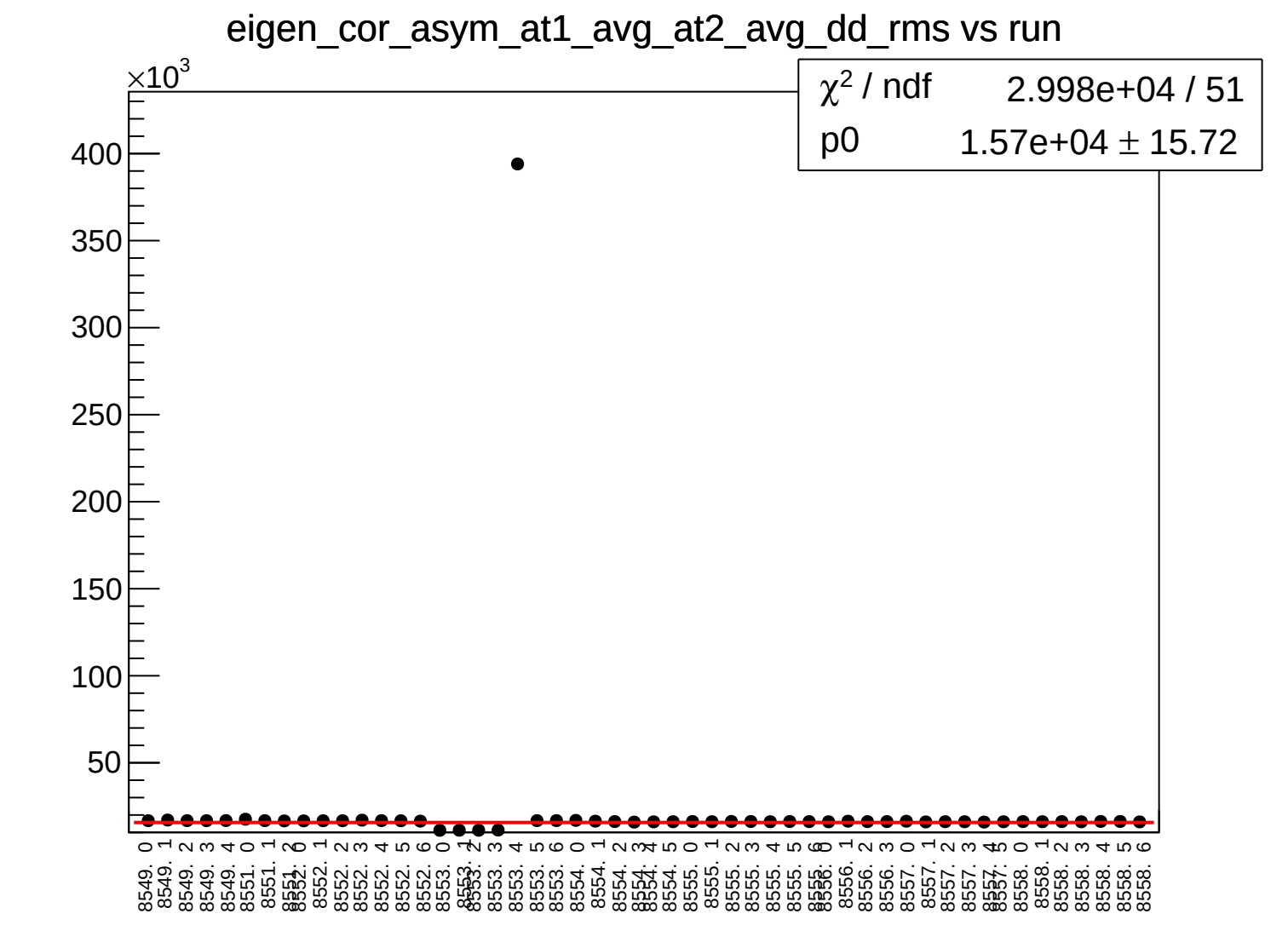

cor_asym_at1_avg_at2_avg_dd_rms vs run
×10^3
400
350
300
250
200
150
100
50
χ² / ndf 2.998e+04 / 51
p0 1.57e+04 ± 15.72
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 5
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

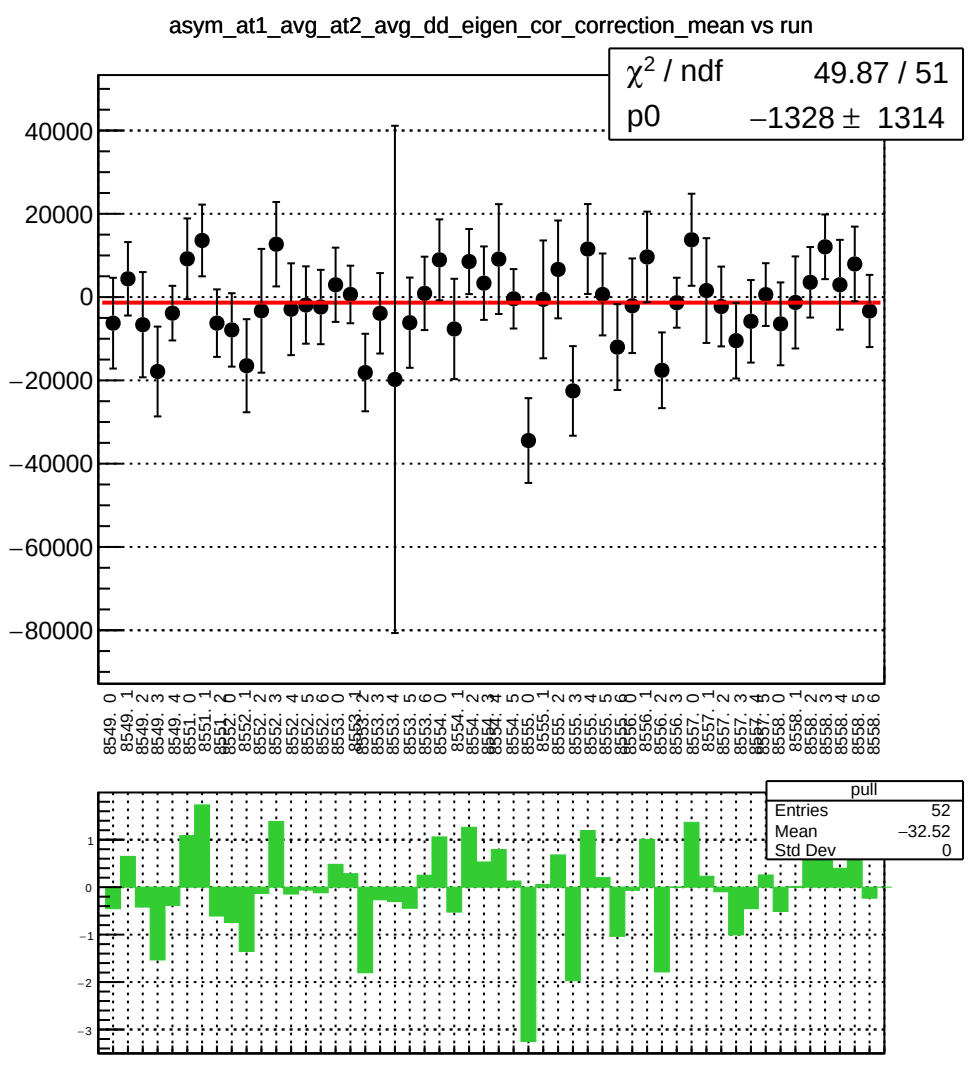

asym_at1_avg_at2_avg_dd_cor_correction_mean vs run
χ² / ndf 49.87 / 51
p0 −1328 ± 1314
40000
20000
0
−20000
−40000
−60000
−80000
pull
Entries 52
Mean −32.52
Std Dev 0
pull1D
Entries 52
Mean −0.0258
Std Dev 0.979

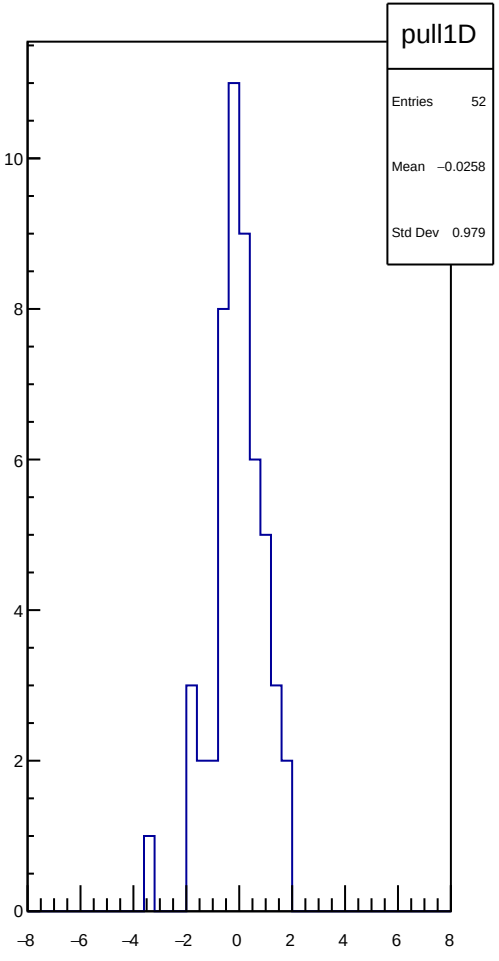

asym_at1_avg_at2_avg_dd_cor_correction_rms vs run
χ² / ndf 3.606e+04 / 51
p0 924.7 ± 0.9291
6000
5000
4000
3000
2000
1000
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

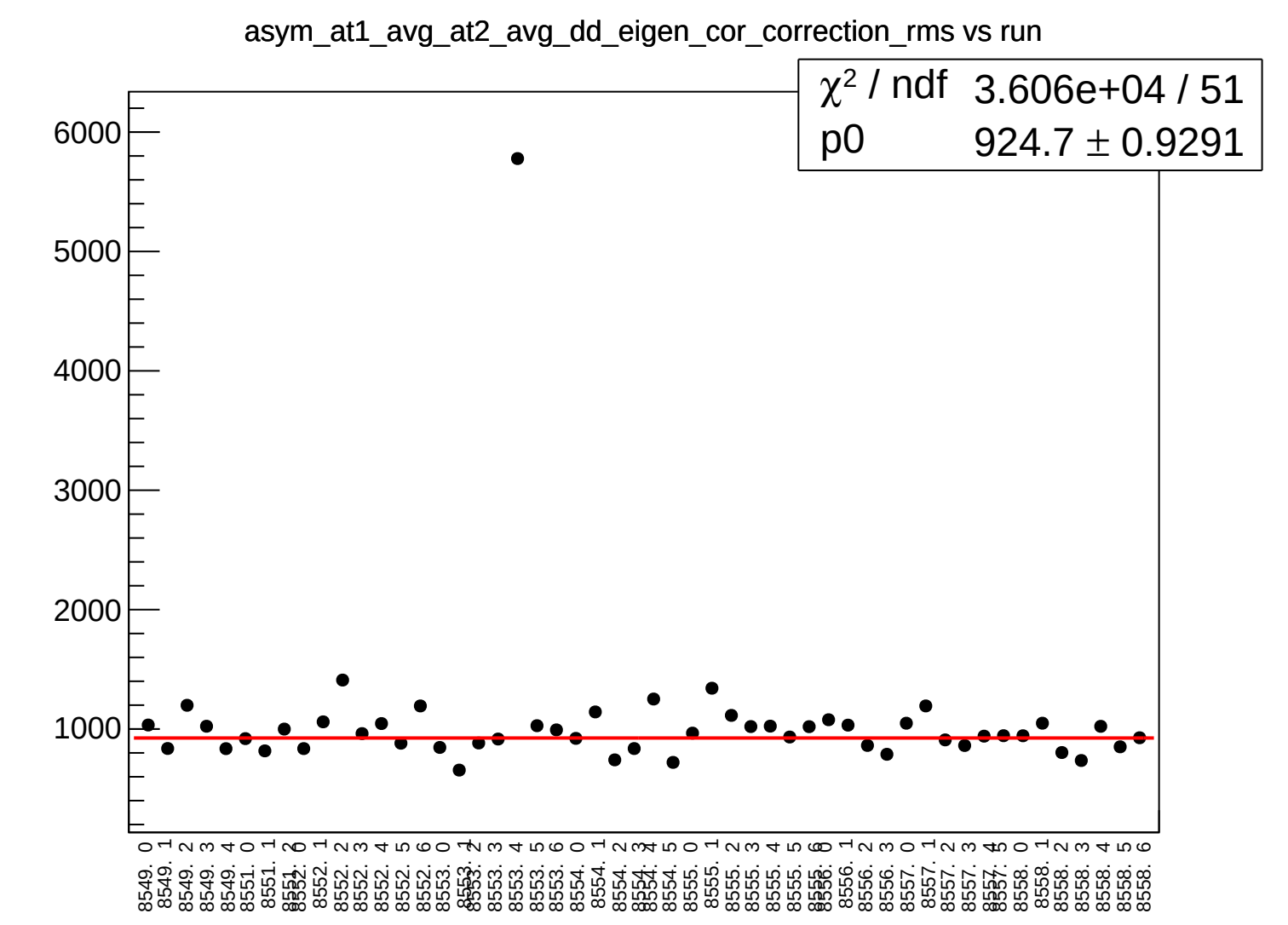

eigen_cor_asym_at1_avg_at2_avg_dd_mean vs run
×10^3
χ² / ndf 31.69 / 50
p0 −1.101e+04 ± 2.224e+04
pull
Entries 51
Mean 43.59
Std Dev 0


pull1D
Entries 51
Mean −0.01691
Std Dev 0.788


eigen_cor_asym_at1_avg_at2_avg_dd_rms vs run
×10^3
χ² / ndf 2.998e+04 / 51
p0 1.57e+04 ± 15.72
400
350
300
250
200
150
100
50
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8551. 2
8552. 0
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 1
8553. 2
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 3
8554. 4
8554. 5
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8557. 4
8557. 5
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6


asym_at1_avg_at2_avg_dd_eigen_cor_correction_mean vs run
χ² / ndf 49.87 / 51
p0 −1328 ± 1314
40000
20000
0
−20000
−40000
−60000
−80000
pull
Entries 52
Mean −32.52
Std Dev 0
1
0
−1
−2
−3


pull1D
Entries 52
Mean −0.0258
Std Dev 0.979
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


asym_at1_avg_at2_avg_dd_eigen_cor_correction_rms vs run
χ² / ndf 3.606e+04 / 51
p0 924.7 ± 0.9291
6000
5000
4000
3000
2000
1000
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
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8558. 0
8558. 1
8558. 2
8558. 3
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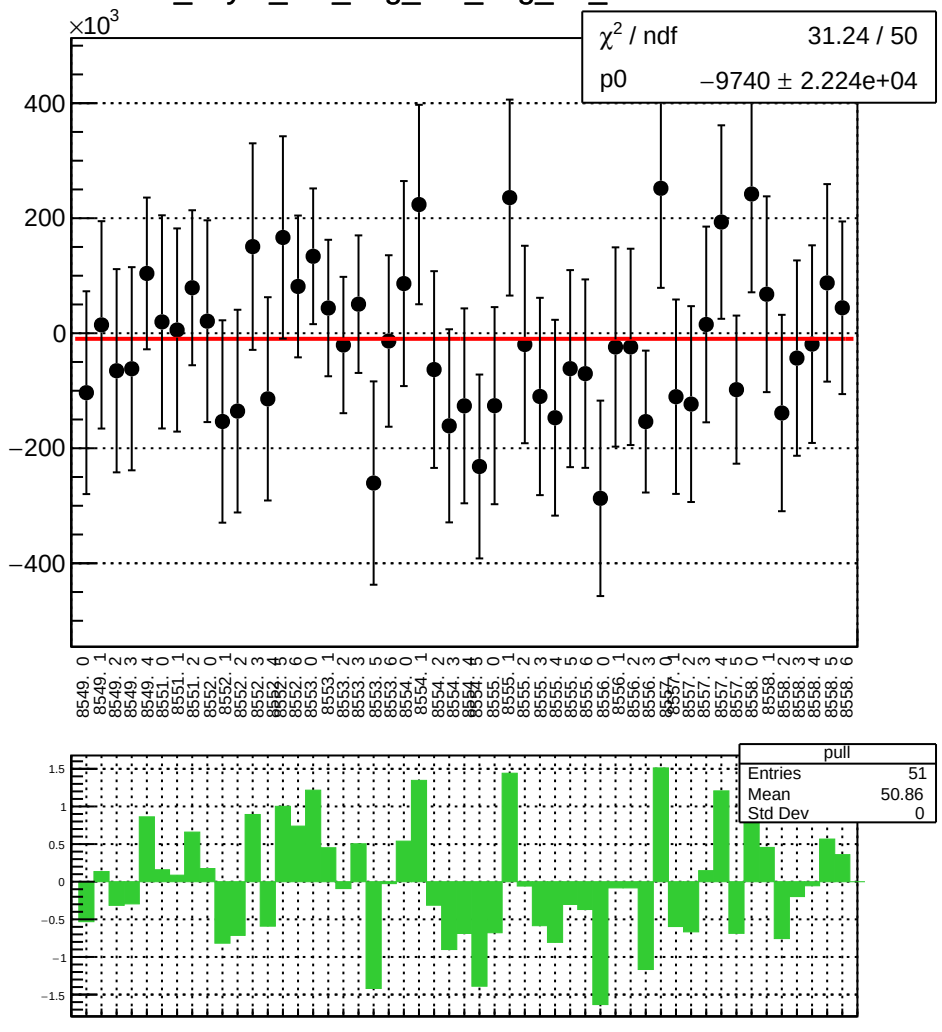
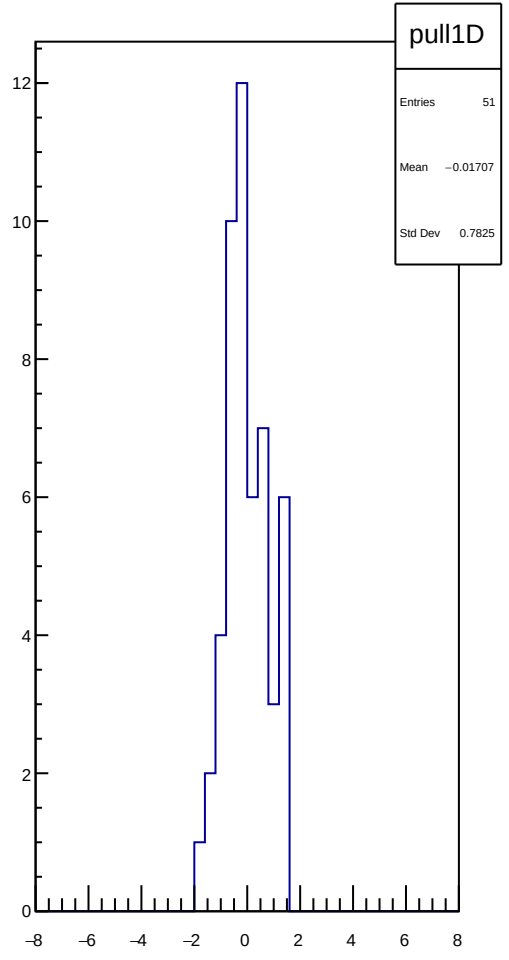
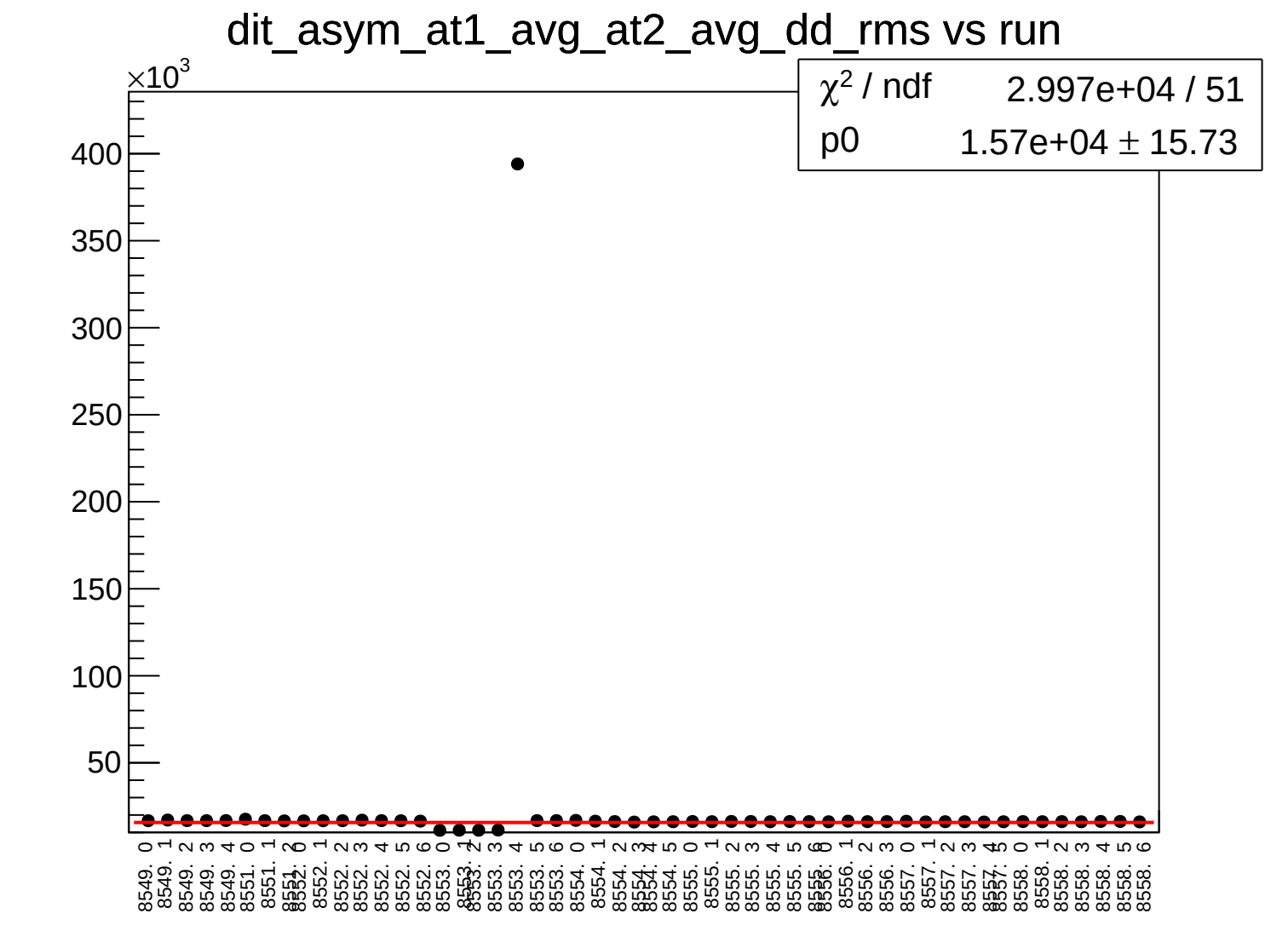
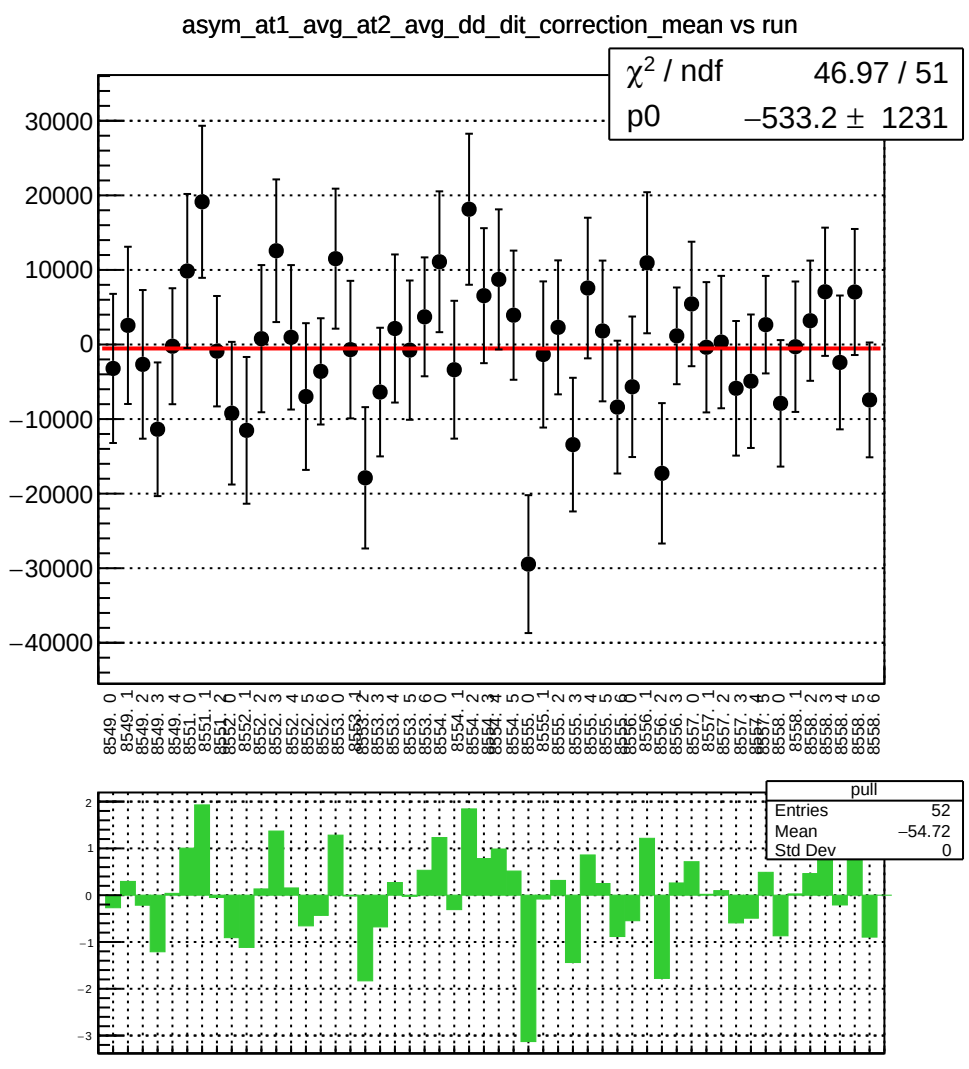
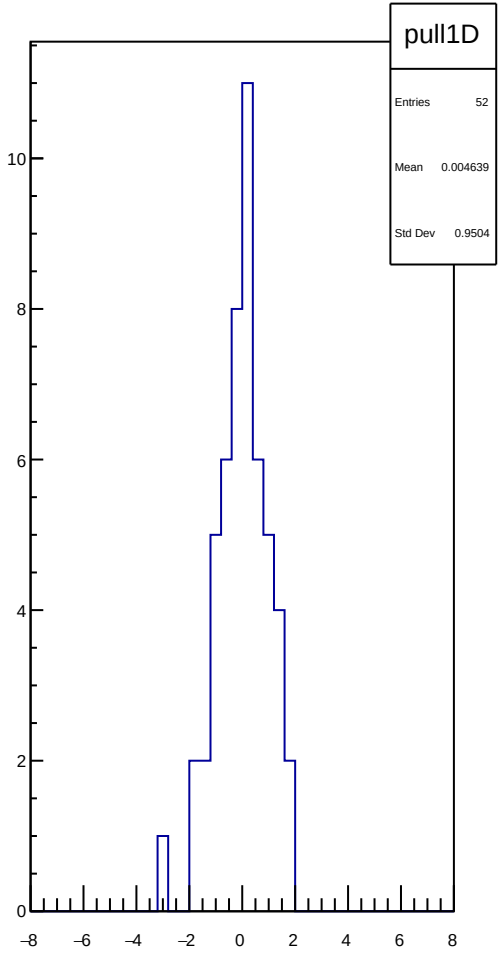
8558. 5
8558. 6

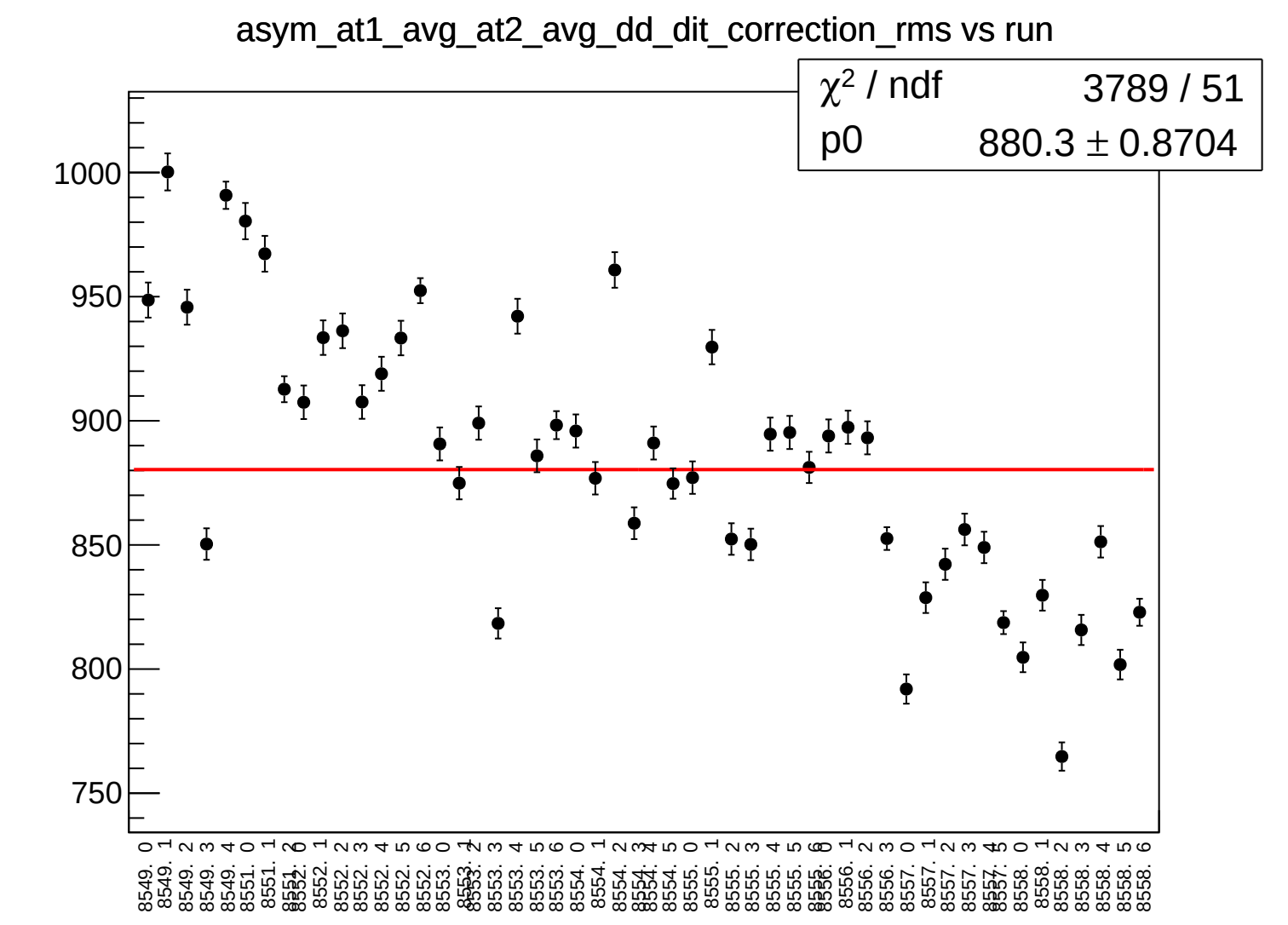

dit_asym_at1_avg_at2_avg_dd_mean vs run
×10^3
χ² / ndf 31.24 / 50
p0 −9740 ± 2.224e+04
400
200
0
−200
−400
pull
Entries 51
Mean 50.86
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5


pull1D
Entries 51
Mean −0.01707
Std Dev 0.7825
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


dit_asym_at1_avg_at2_avg_dd_rms vs run
×10^3
400
350
300
250
200
150
100
50
χ² / ndf 2.997e+04 / 51
p0 1.57e+04 ± 15.73
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 5
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6


asym_at1_avg_at2_avg_dd_dit_correction_mean vs run
χ² / ndf 46.97 / 51
p0 −533.2 ± 1231
pull
Entries 52
Mean −54.72
Std Dev 0


pull1D
Entries 52
Mean 0.004639
Std Dev 0.9504


asym_at1_avg_at2_avg_dd_dit_correction_rms vs run
χ² / ndf 3789 / 51
p0 880.3 ± 0.8704
1000
950
900
850
800
750
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8555. 0
8555. 1
8555. 2
8555. 3
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8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
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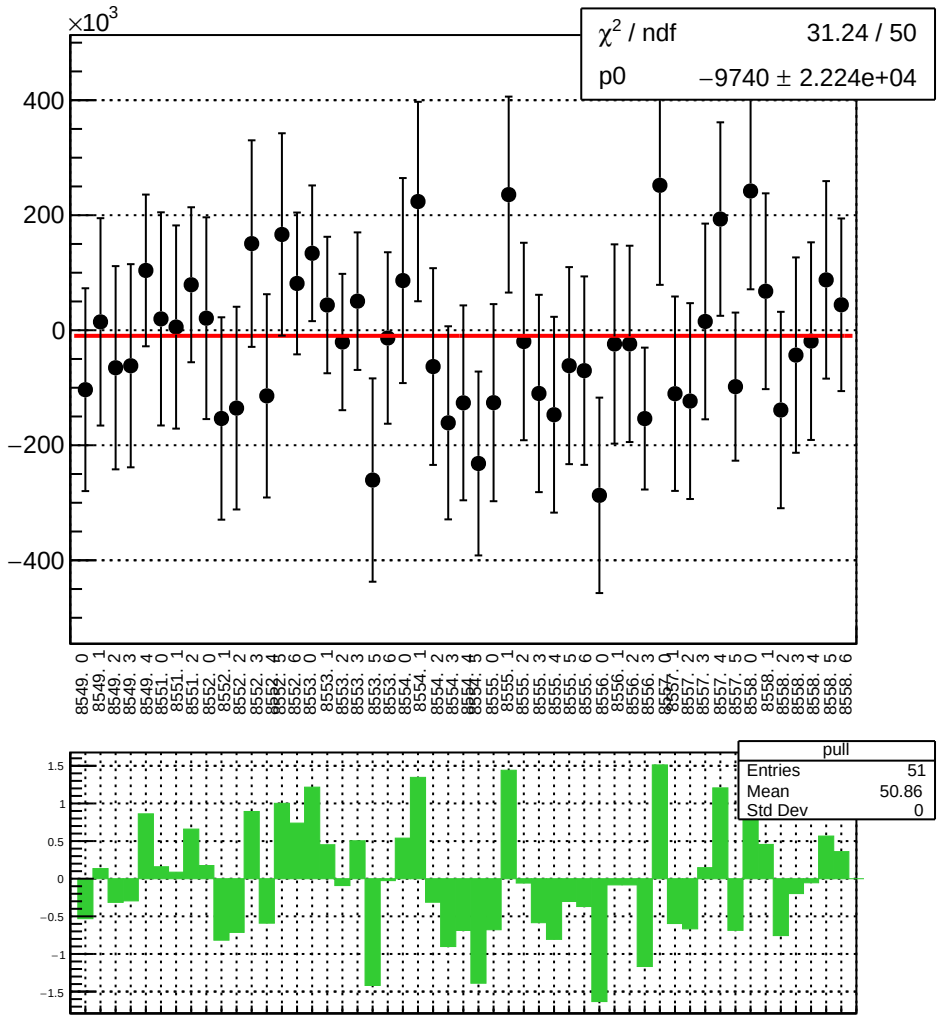
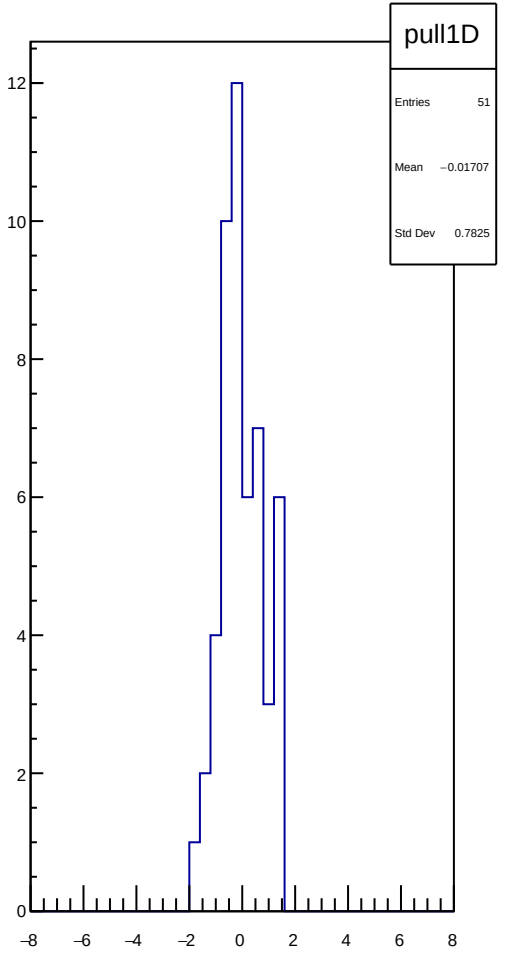
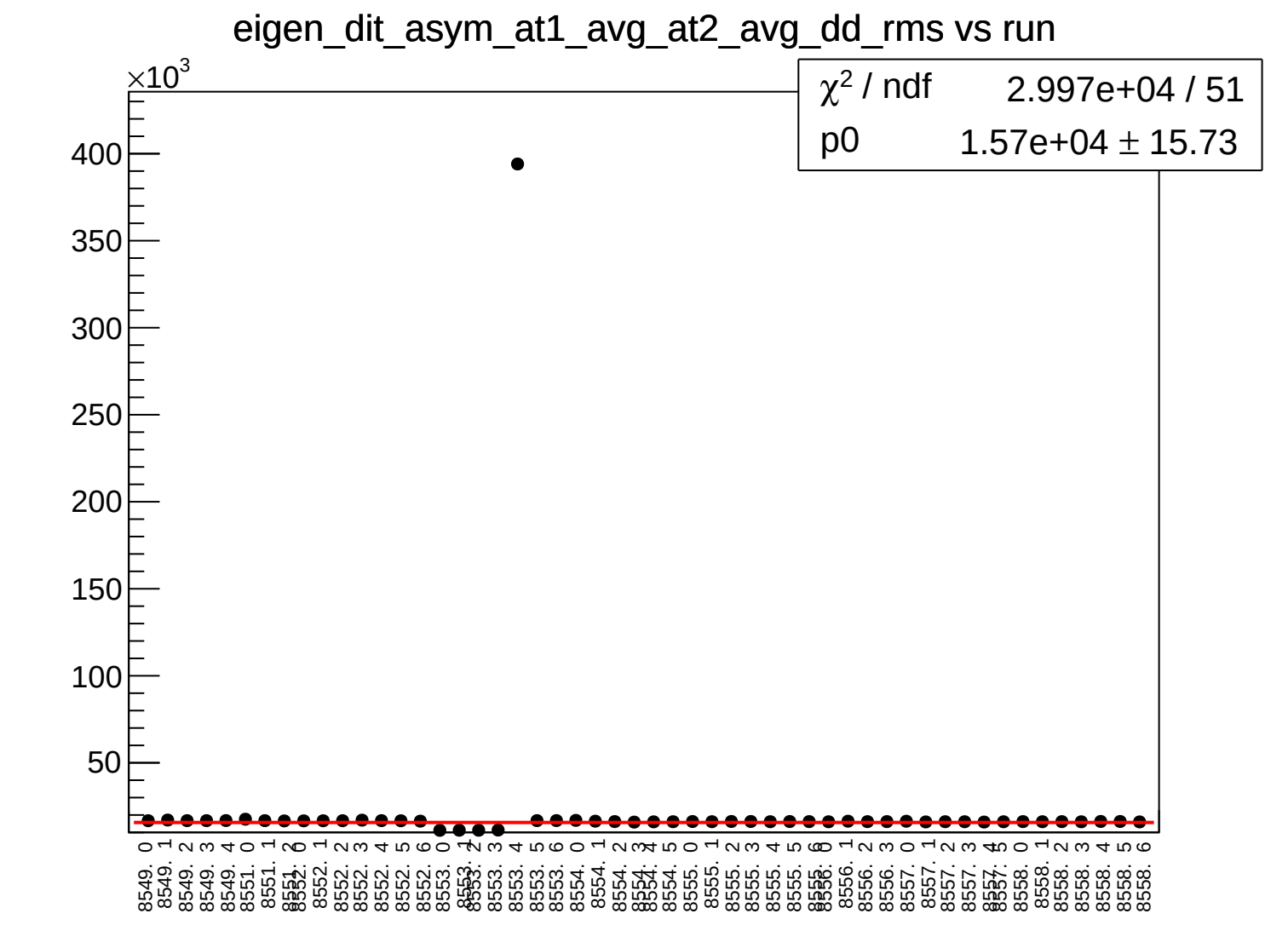
8558. 5
8558. 6


eigen_dit_asym_at1_avg_at2_avg_dd_mean vs run
×10^3
χ² / ndf 31.24 / 50
p0 −9740 ± 2.224e+04
pull
Entries 51
Mean 50.86
Std Dev 0


pull1D
Entries 51
Mean −0.01707
Std Dev 0.7825


eigen_dit_asym_at1_avg_at2_avg_dd_rms vs run
×10^3
χ² / ndf 2.997e+04 / 51
p0 1.57e+04 ± 15.73
400
350
300
250
200
150
100
50
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8551. 2
8552. 0
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 1
8553. 2
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8553. 5
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8554. 1
8554. 2
8554. 3
8554. 4
8554. 5
8555. 0
8555. 1
8555. 2
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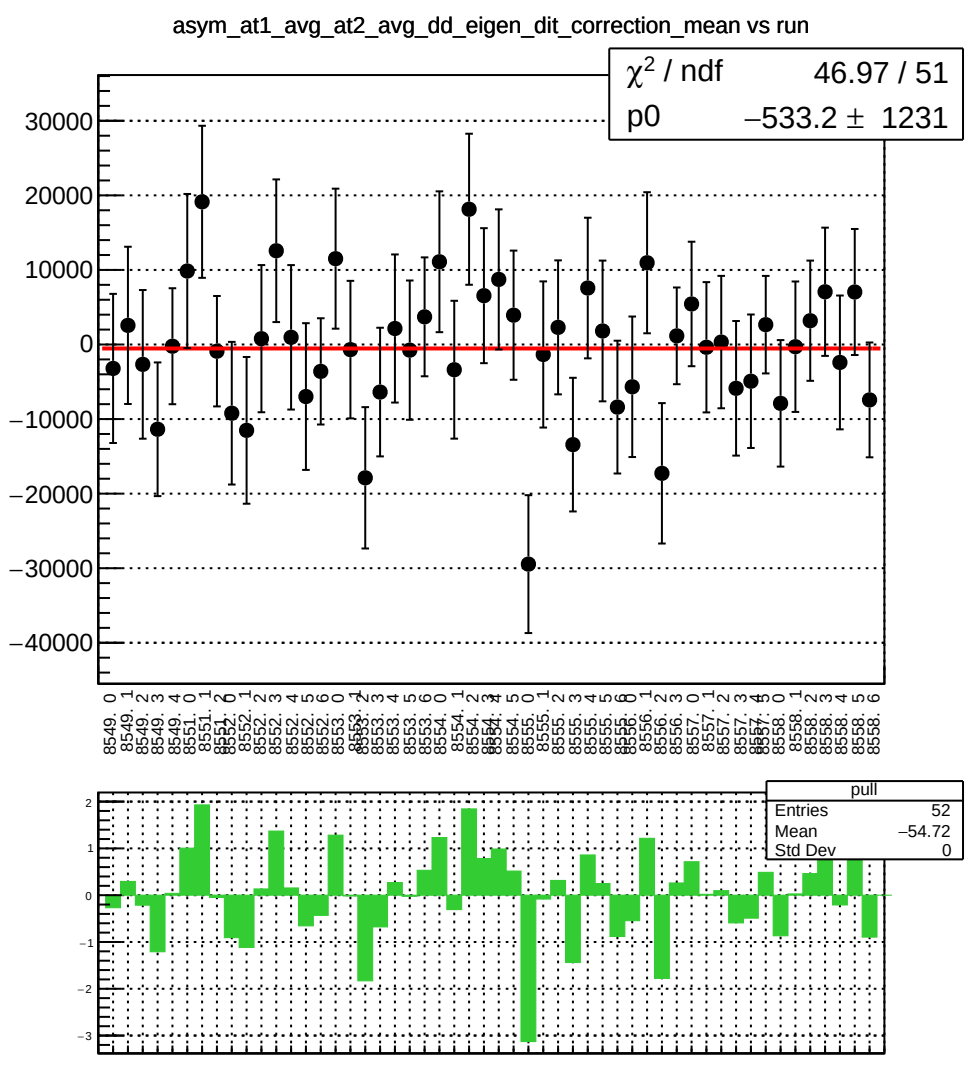
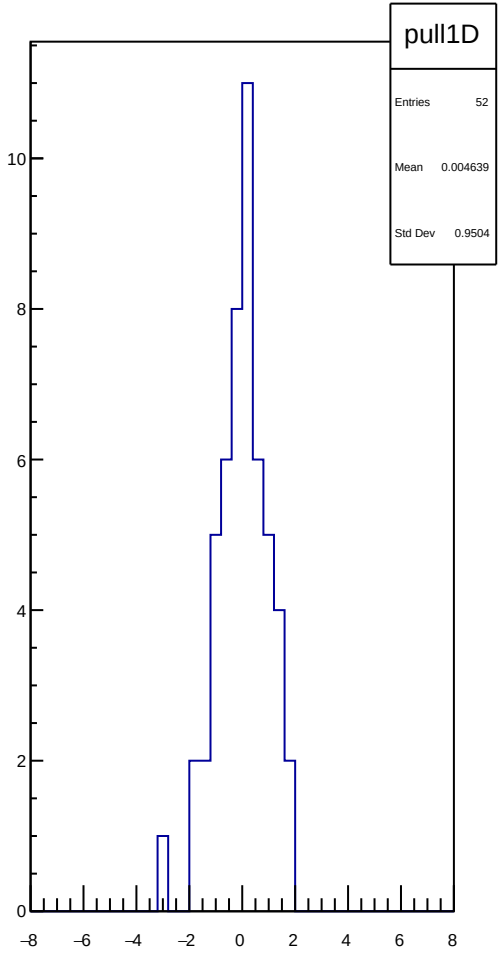
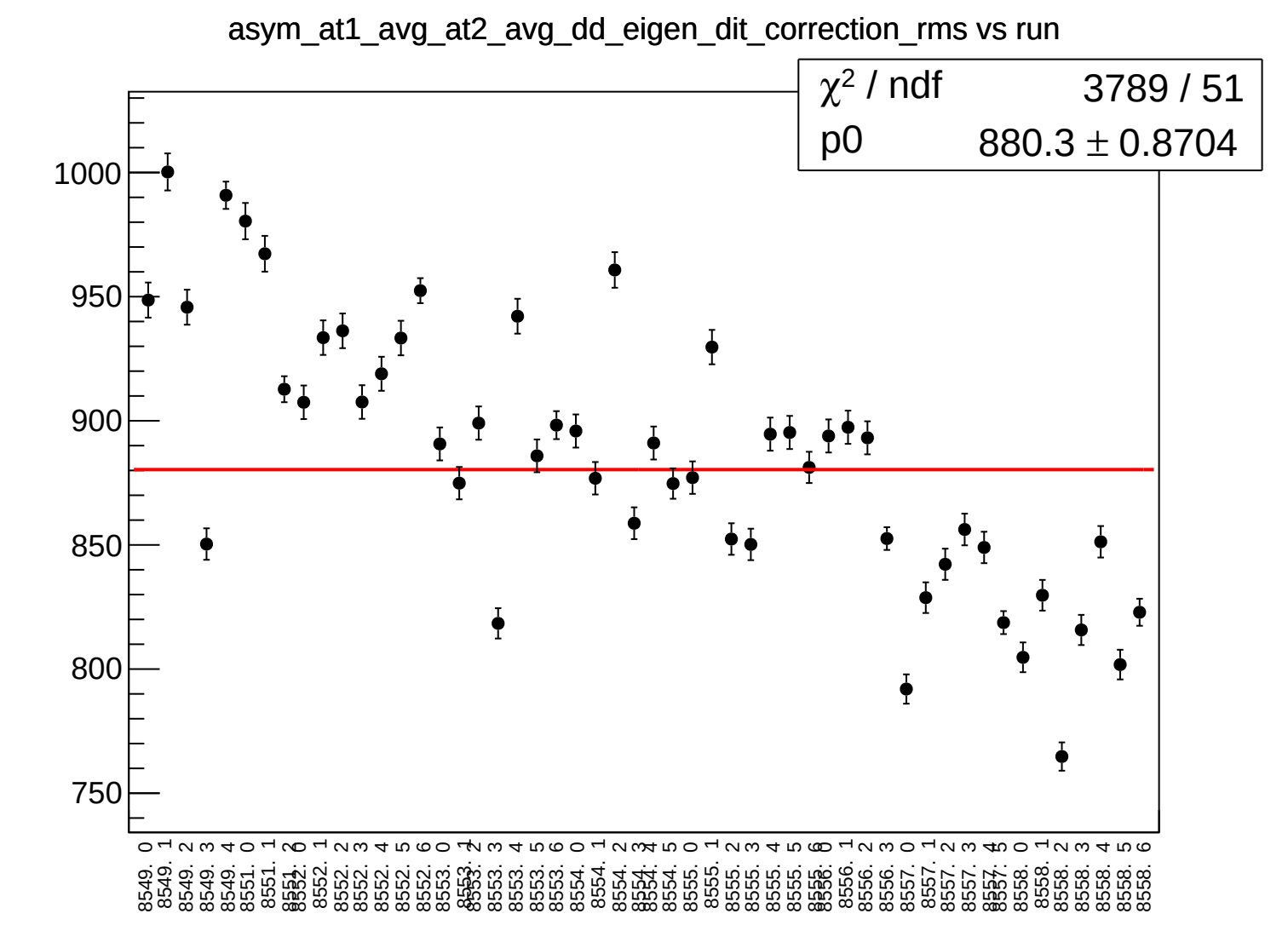
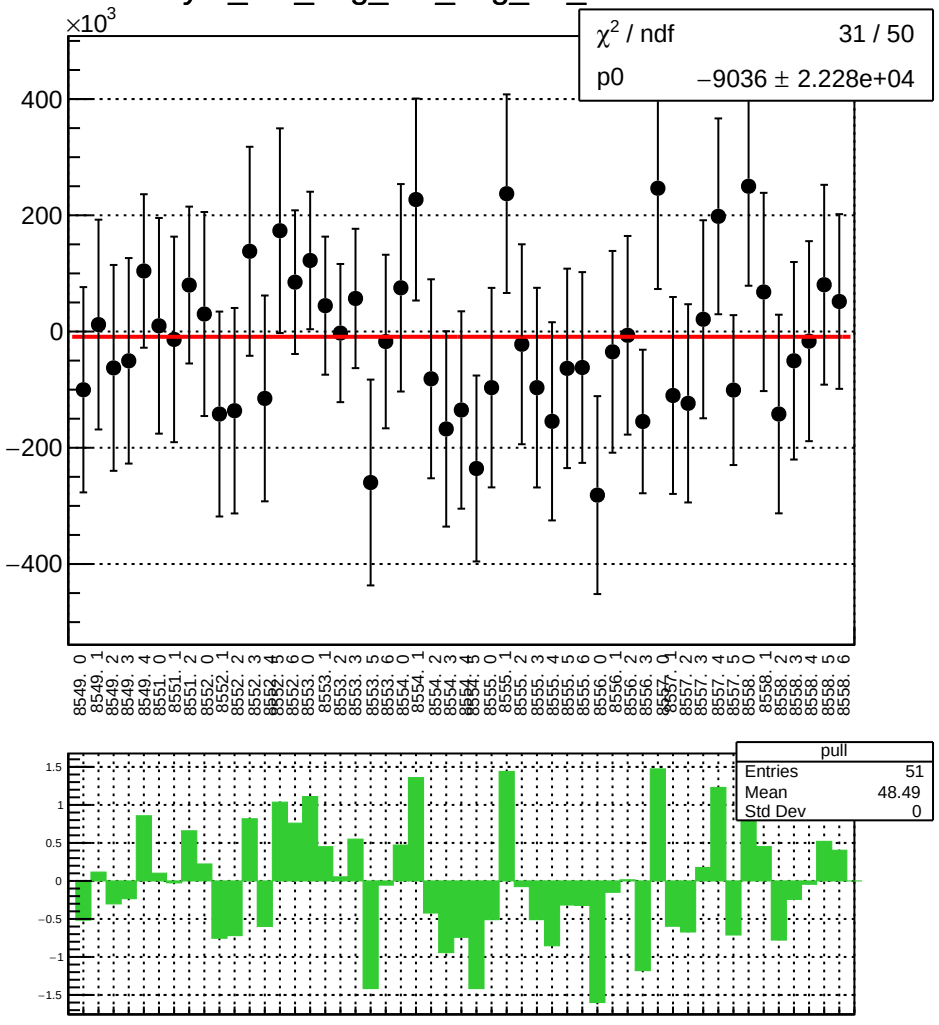
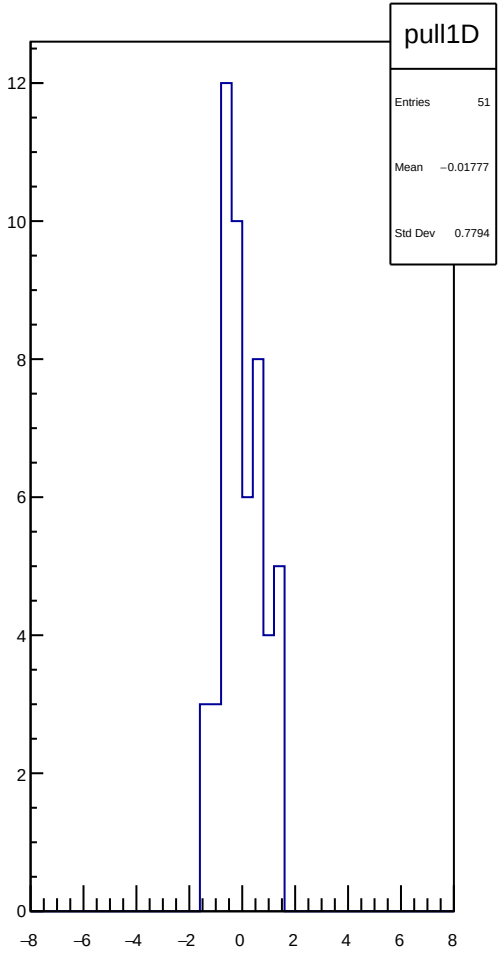
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

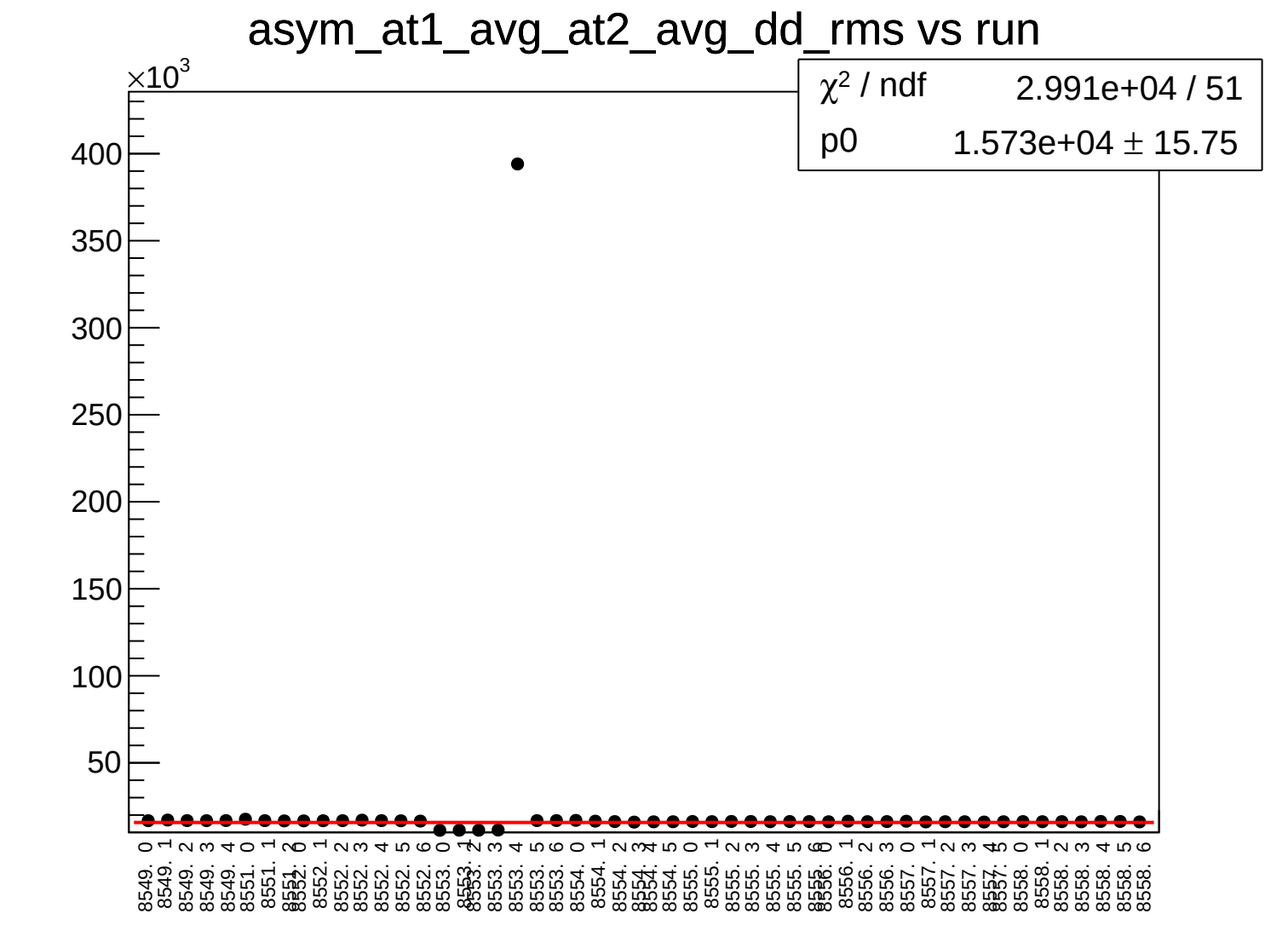

asym_at1_avg_at2_avg_dd_eigen_dit_correction_mean vs run
χ² / ndf 46.97 / 51
p0 −533.2 ± 1231
pull
Entries 52
Mean −54.72
Std Dev 0


pull1D
Entries 52
Mean 0.004639
Std Dev 0.9504


asym_at1_avg_at2_avg_dd_eigen_dit_correction_rms vs run
χ² / ndf 3789 / 51
p0 880.3 ± 0.8704
1000
950
900
850
800
750
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 5
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6


asym_at1_avg_at2_avg_dd_mean vs run
×10^3
χ² / ndf 31 / 50
p0 −9036 ± 2.228e+04
400
200
0
−200
−400
pull
Entries 51
Mean 48.49
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5


pull1D
Entries 51
Mean −0.01777
Std Dev 0.7794
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


asym_at1_avg_at2_avg_dd_rms vs run
×10^3
400
350
300
250
200
150
100
50
χ² / ndf 2.991e+04 / 51
p0 1.573e+04 ± 15.75
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
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8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
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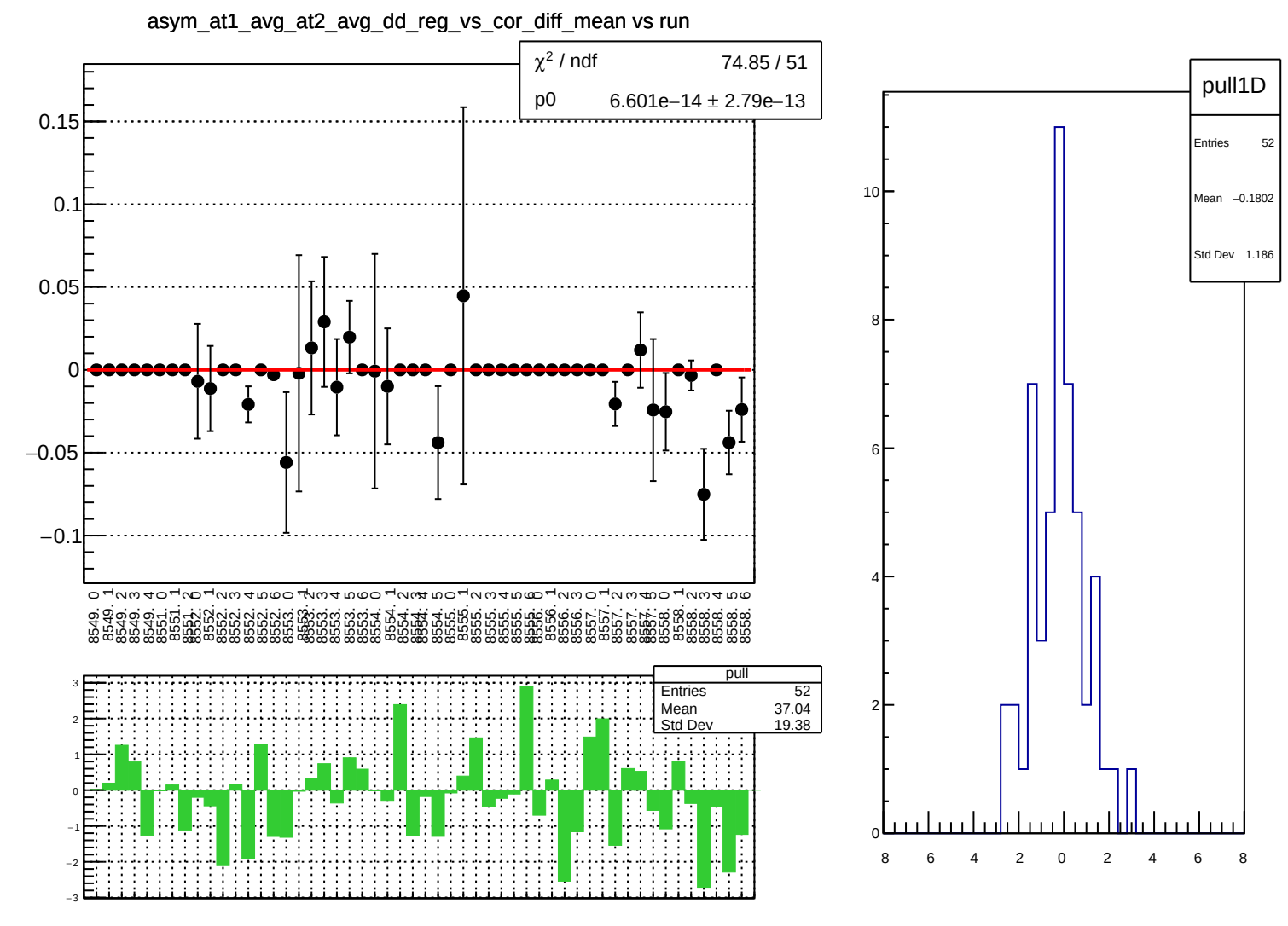
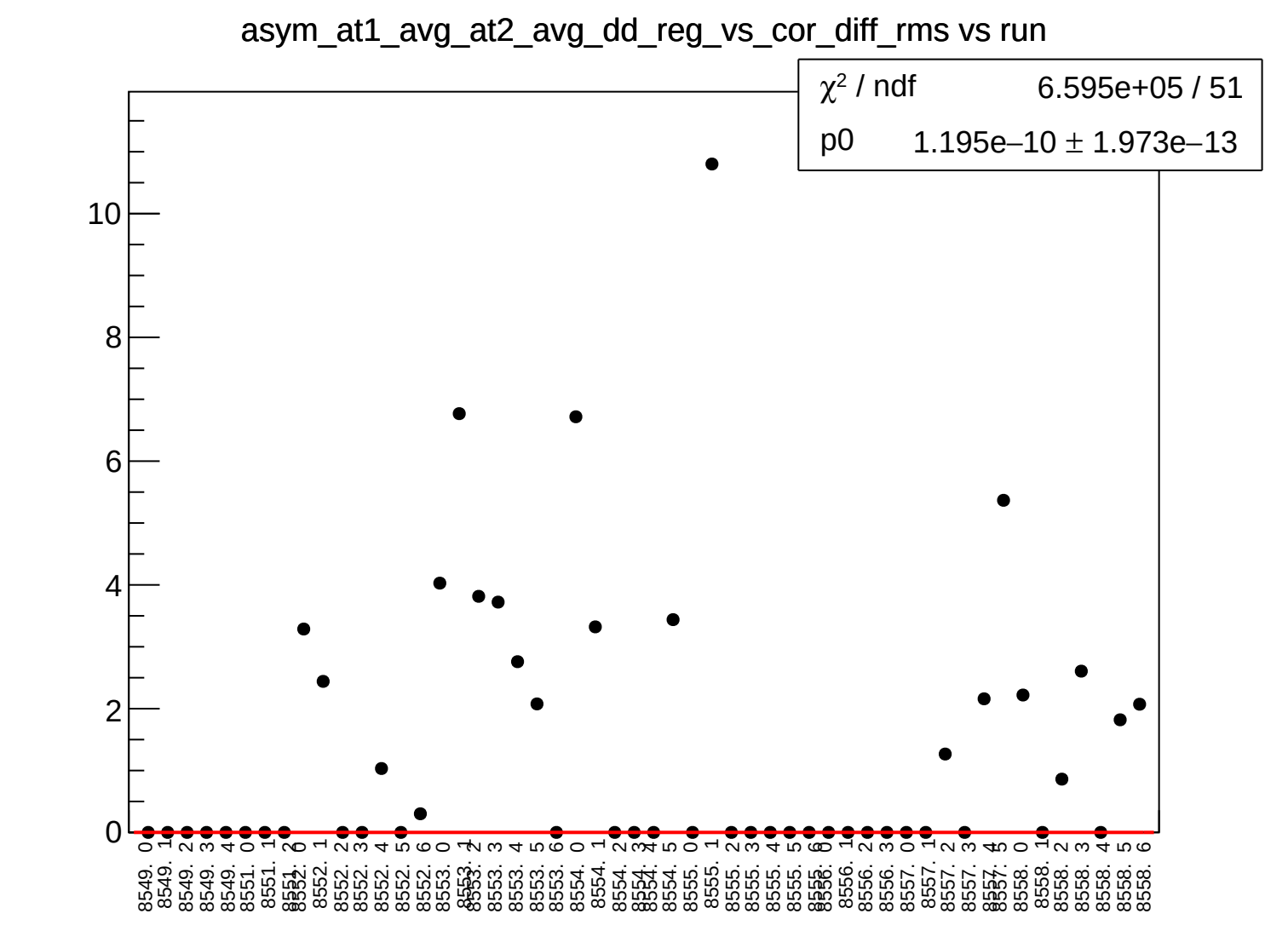
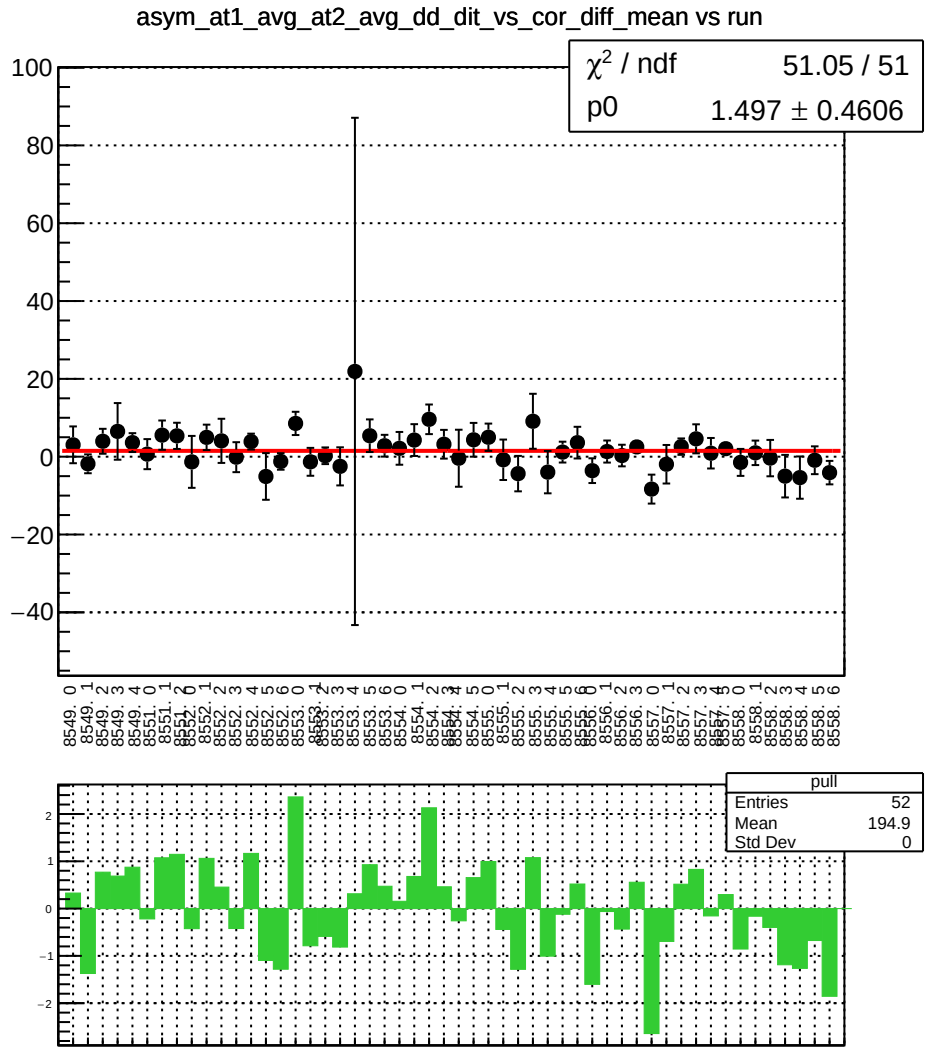
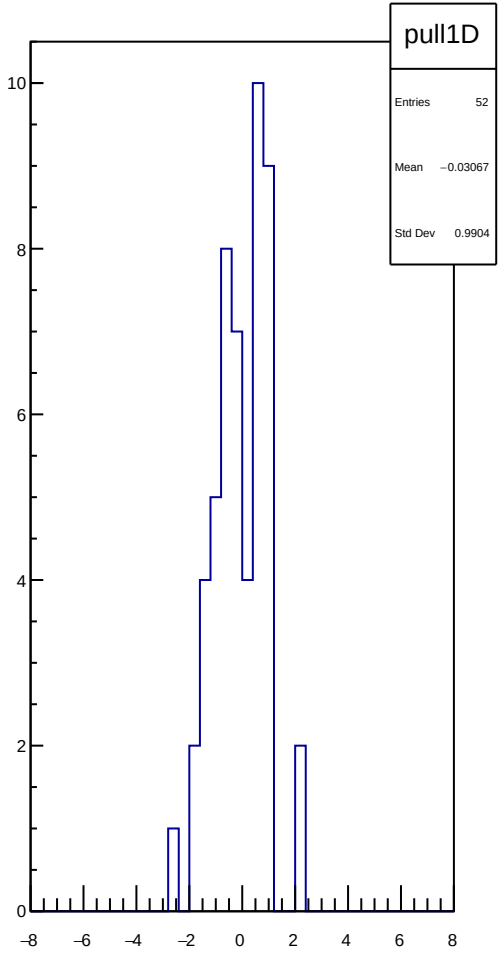
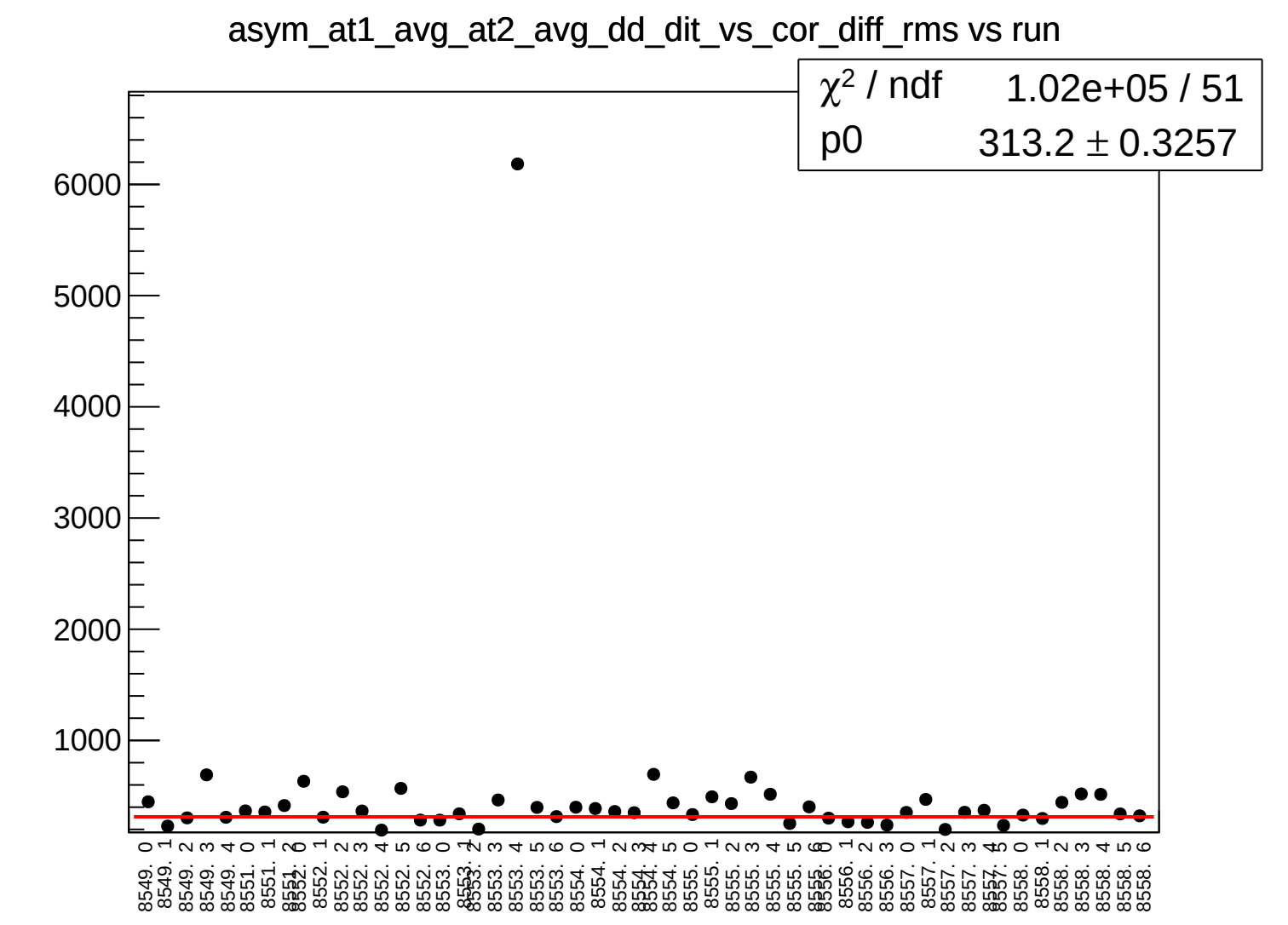
8558. 5
8558. 6

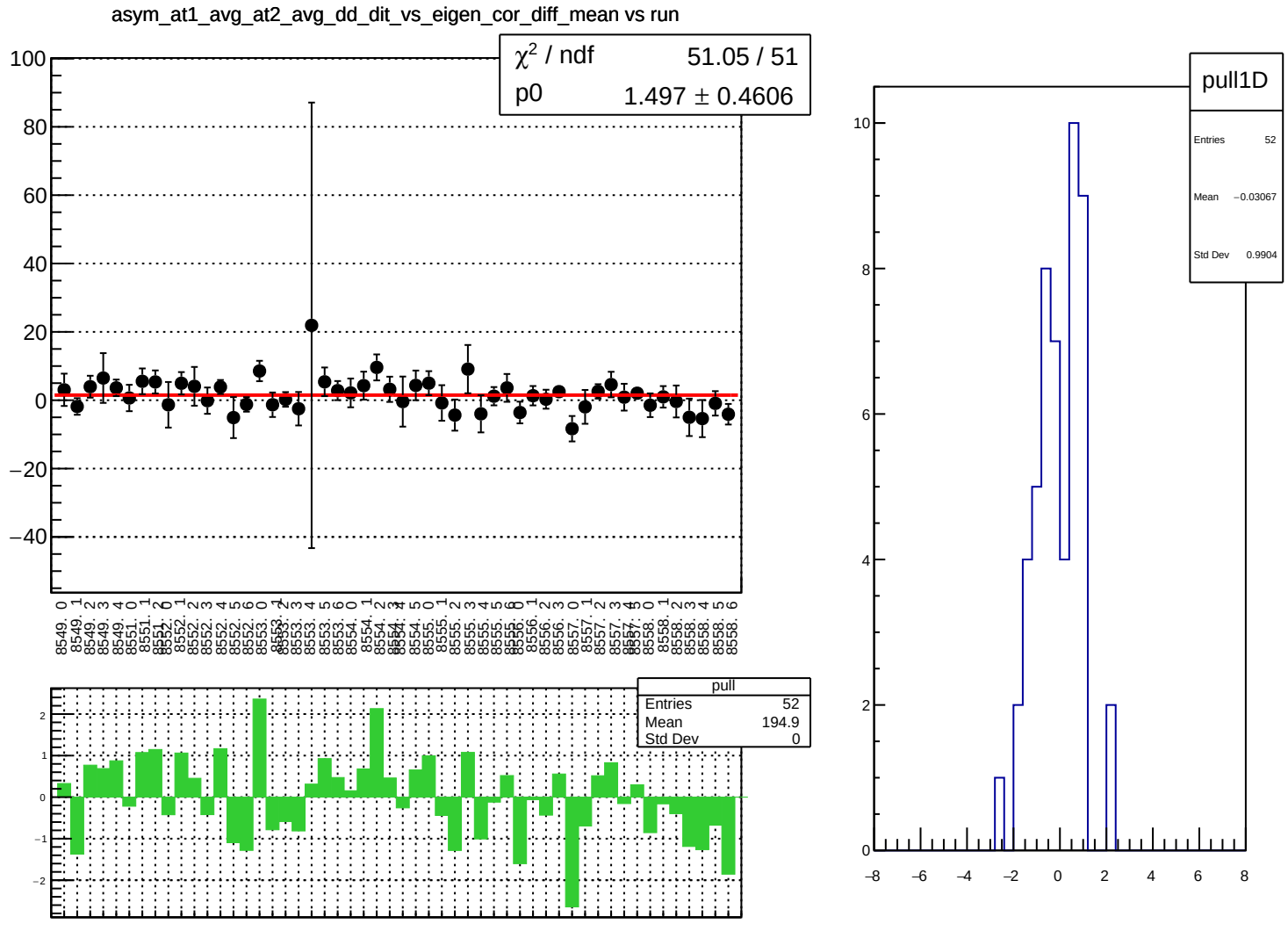

asym_at1_avg_at2_avg_dd_reg_vs_cor_diff_mean vs run
χ² / ndf 74.85 / 51
p0 6.601e−14 ± 2.79e−13
0.15
0.1
0.05
0
−0.05
−0.1
pull
Entries 52
Mean 37.04
Std Dev 19.38
pull1D
Entries 52
Mean −0.1802
Std Dev 1.186
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

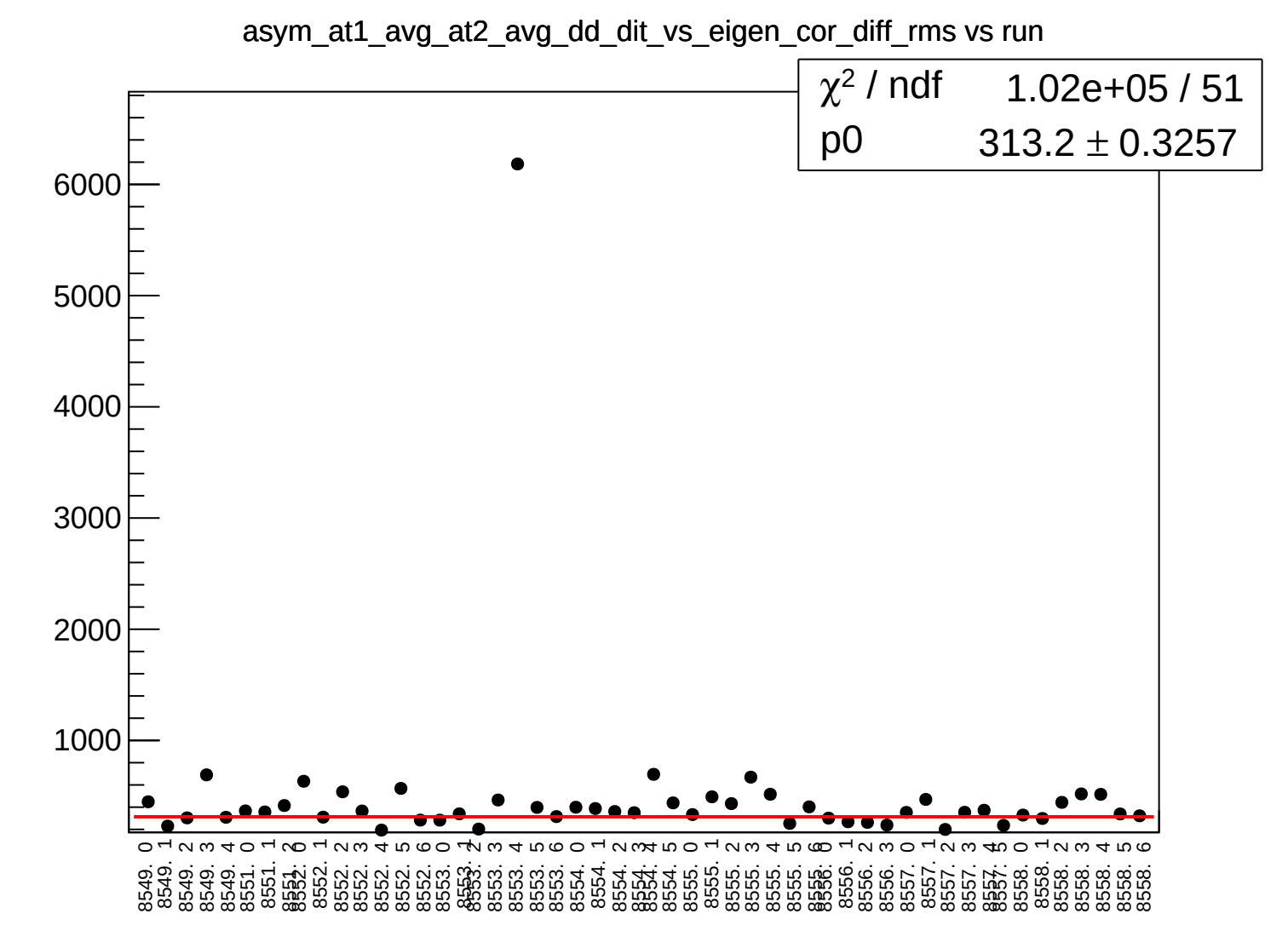

asym_at1_avg_at2_avg_dd_reg_vs_cor_diff_rms vs run
χ² / ndf 6.595e+05 / 51
p0 1.195e−10 ± 1.973e−13
0
2
4
6
8
10
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 0
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 1
8553. 2
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 3
8554. 4
8554. 5
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8557. 4
8557. 5
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

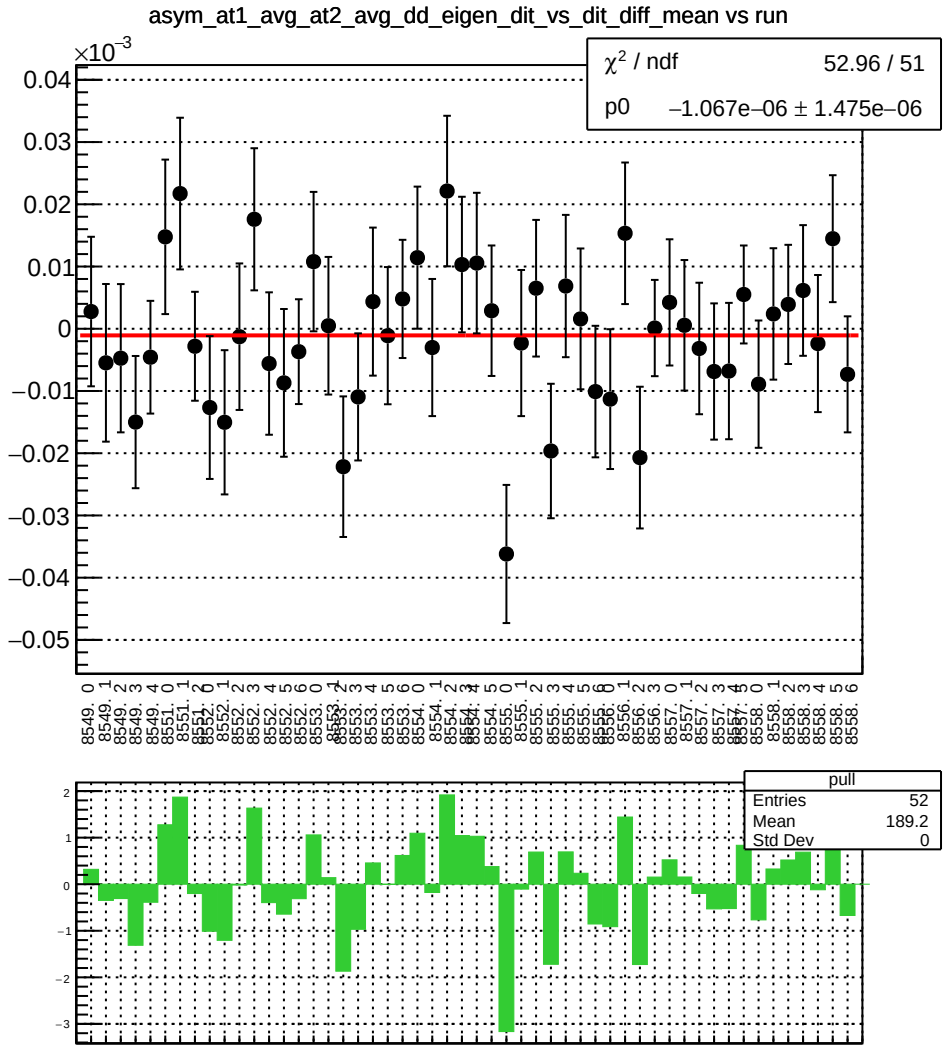

asym_at1_avg_at2_avg_dd_dit_vs_cor_diff_mean vs run
χ² / ndf 51.05 / 51
p0 1.497 ± 0.4606
pull
Entries 52
Mean 194.9
Std Dev 0

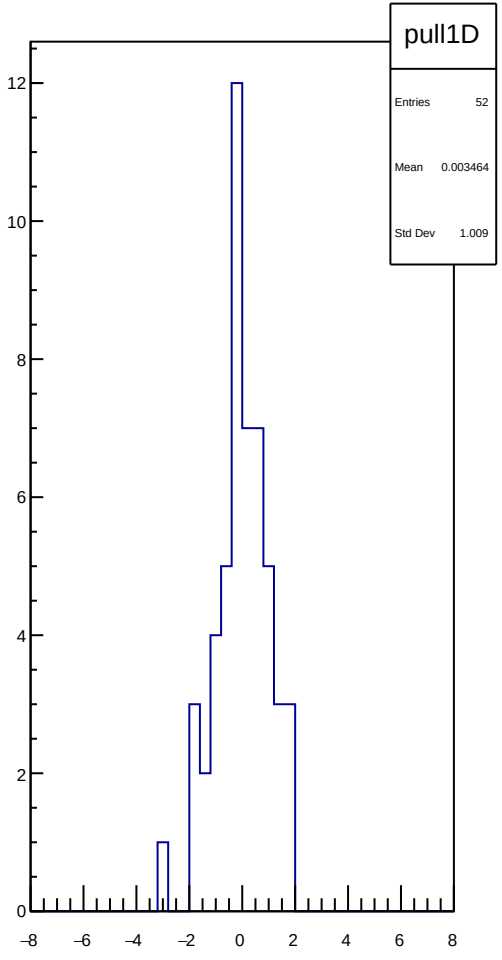

pull1D
Entries 52
Mean −0.03067
Std Dev 0.9904

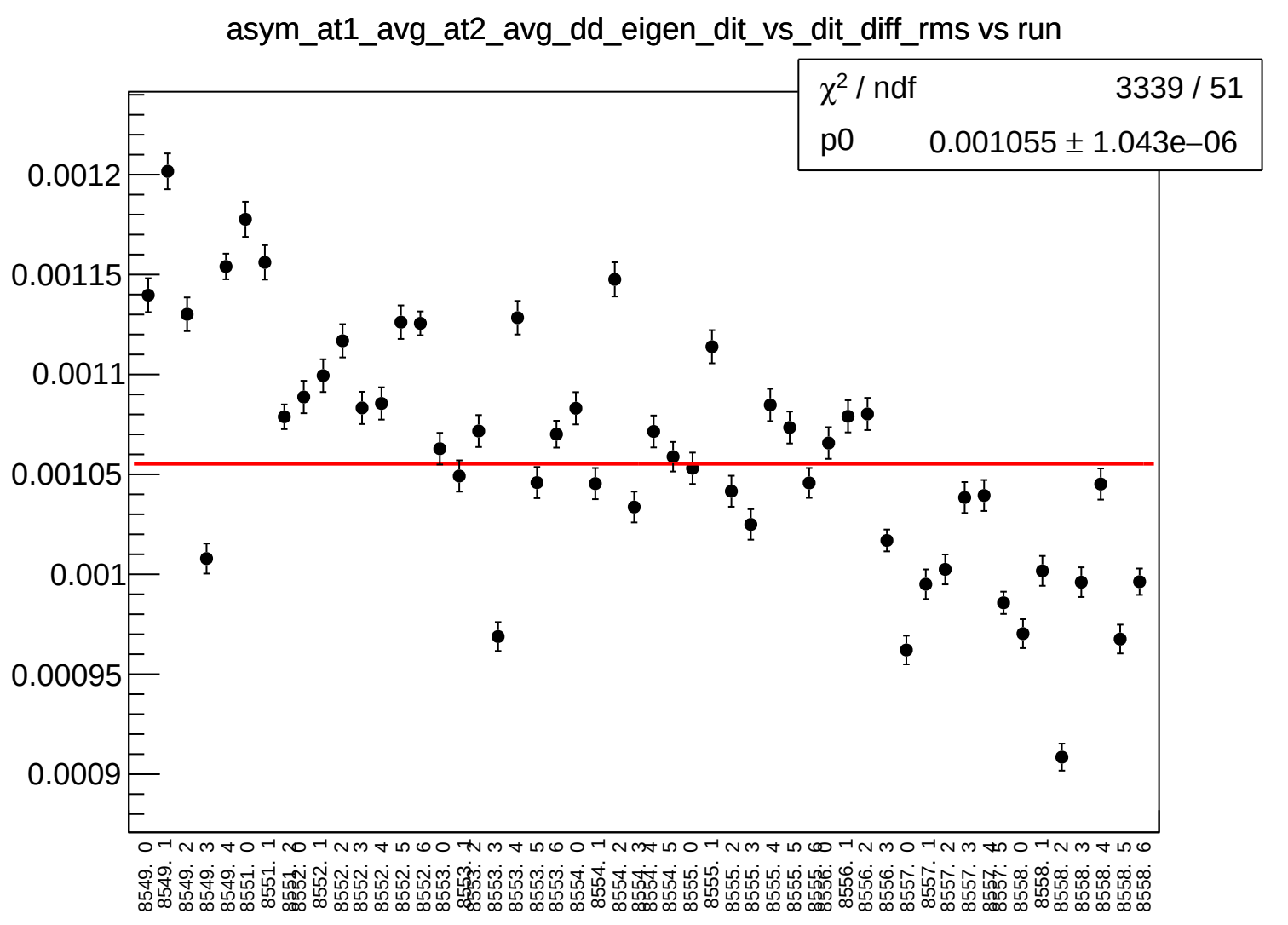

asym_at1_avg_at2_avg_dd_dit_vs_cor_diff_rms vs run
χ² / ndf 1.02e+05 / 51
p0 313.2 ± 0.3257
6000
5000
4000
3000
2000
1000
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 0
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 5
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

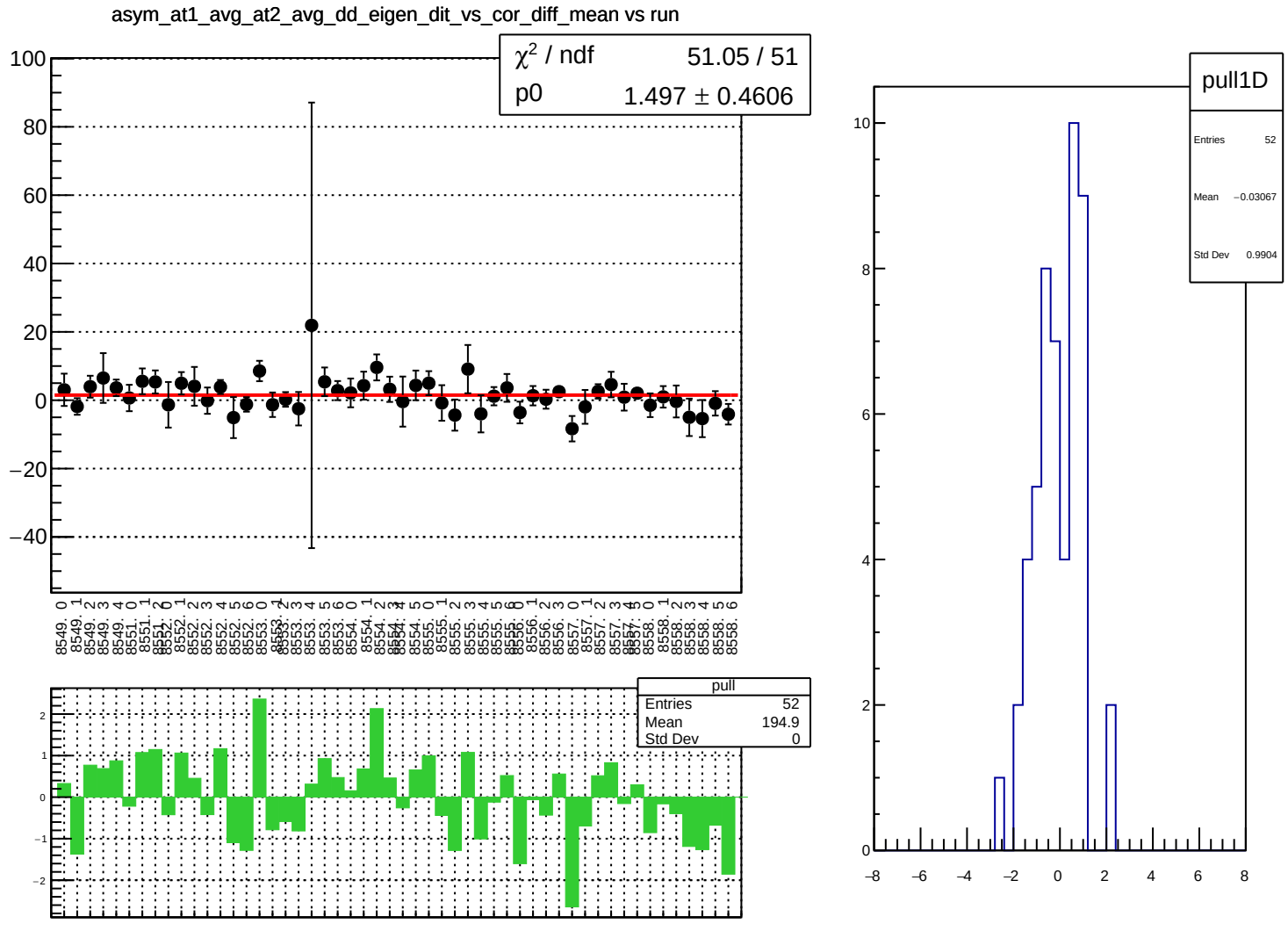

asym_at1_avg_at2_avg_dd_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 51.05 / 51
p0 1.497 ± 0.4606
pull
Entries 52
Mean 194.9
Std Dev 0
pull1D
Entries 52
Mean −0.03067
Std Dev 0.9904

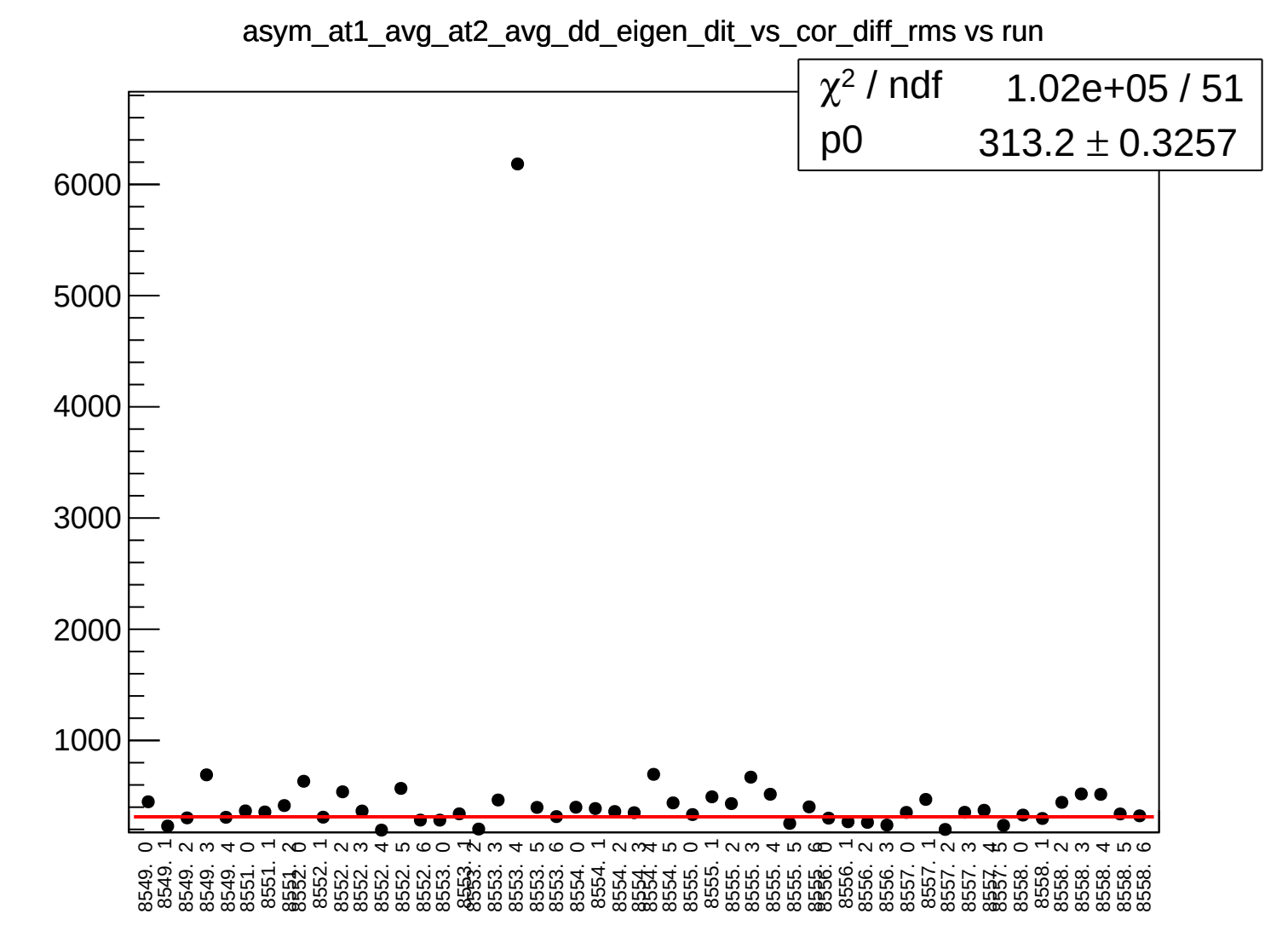

asym_at1_avg_at2_avg_dd_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.02e+05 / 51
p0 313.2 ± 0.3257
6000
5000
4000
3000
2000
1000
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 0
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 5
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

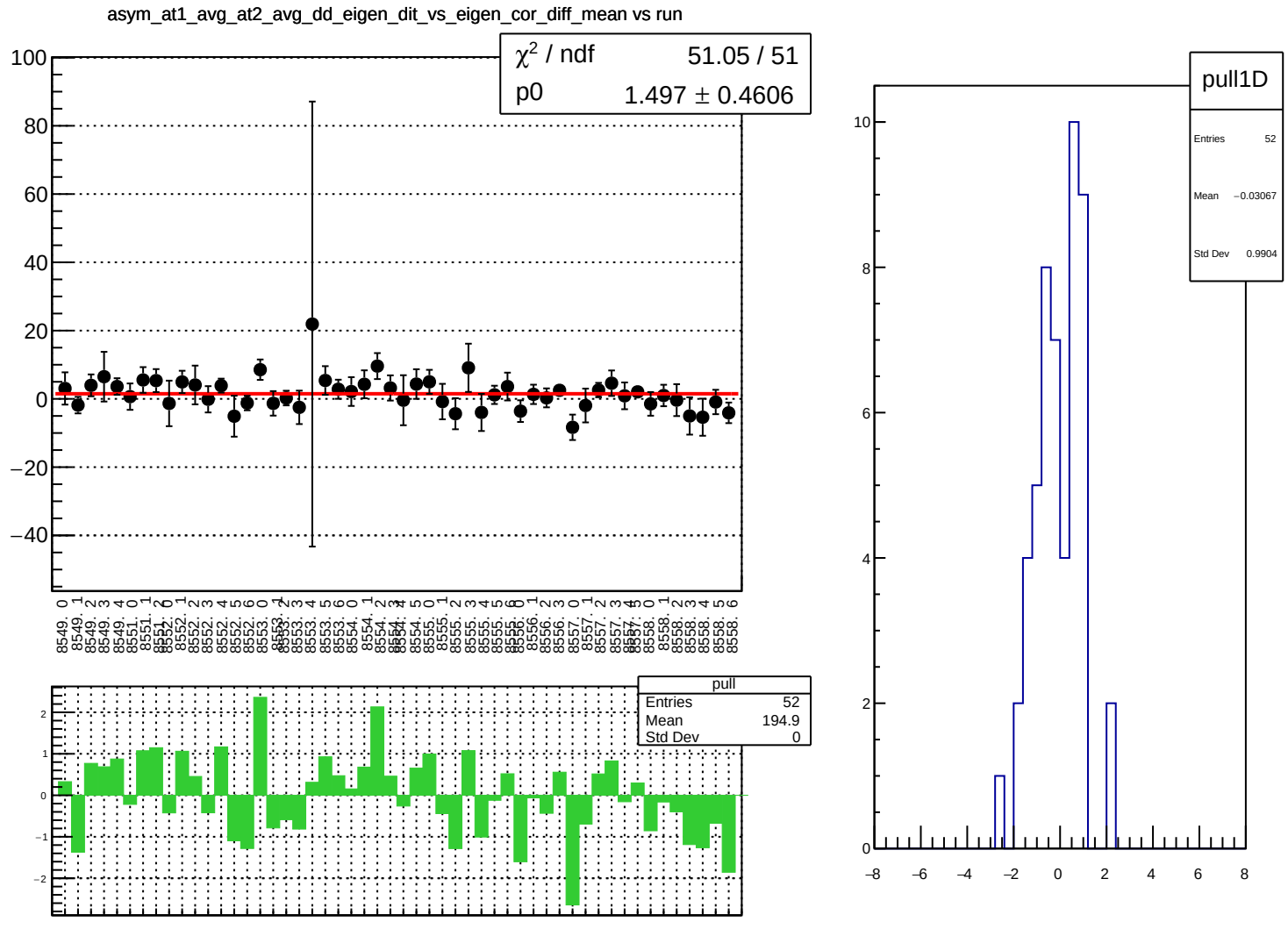

asym_at1_avg_at2_avg_dd_eigen_dit_vs_dit_diff_mean vs run
×10^-3
χ² / ndf 52.96 / 51
p0 −1.067e−06 ± 1.475e−06
pull
Entries 52
Mean 189.2
Std Dev 0

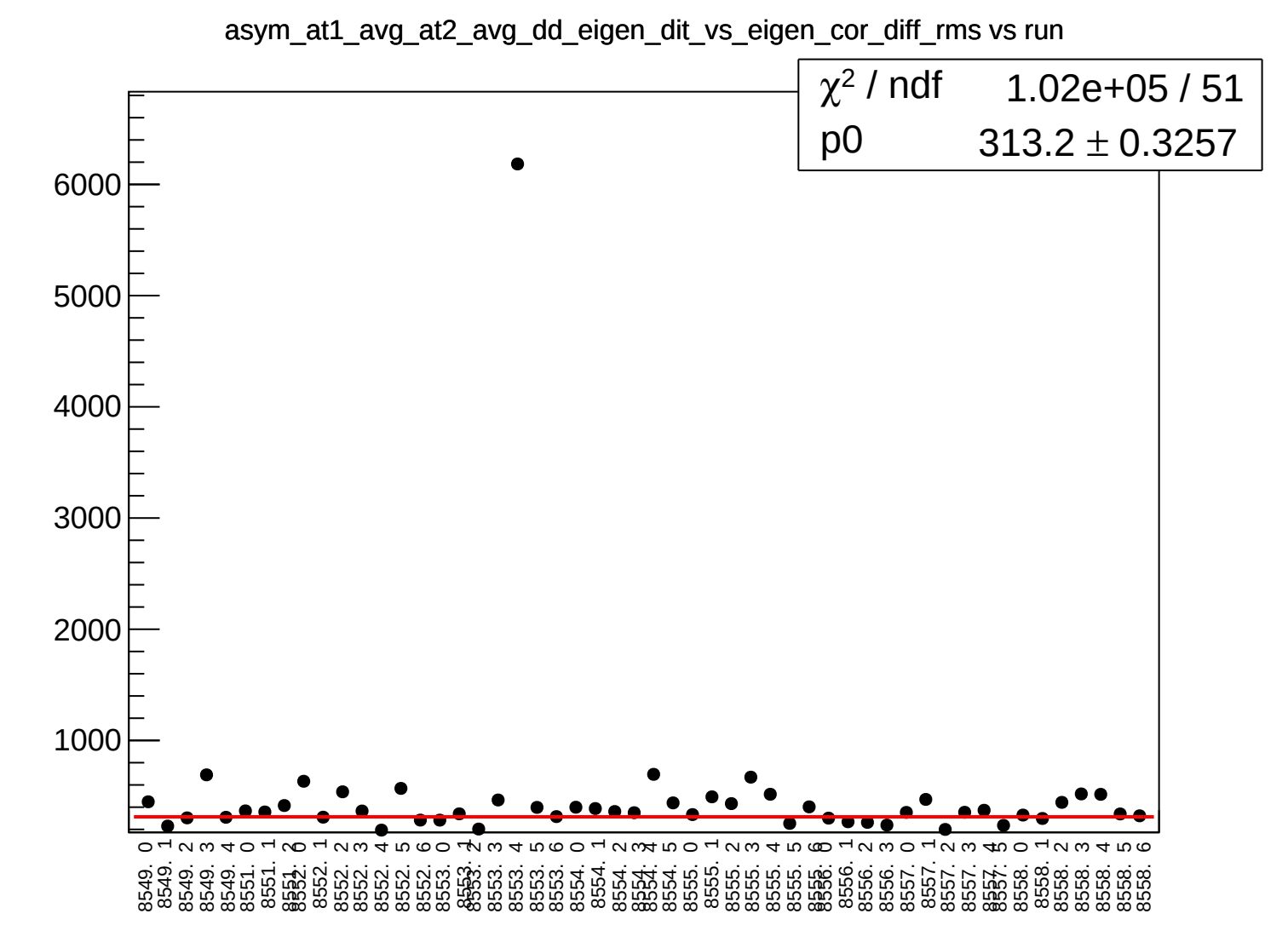

pull1D
Entries 52
Mean 0.003464
Std Dev 1.009

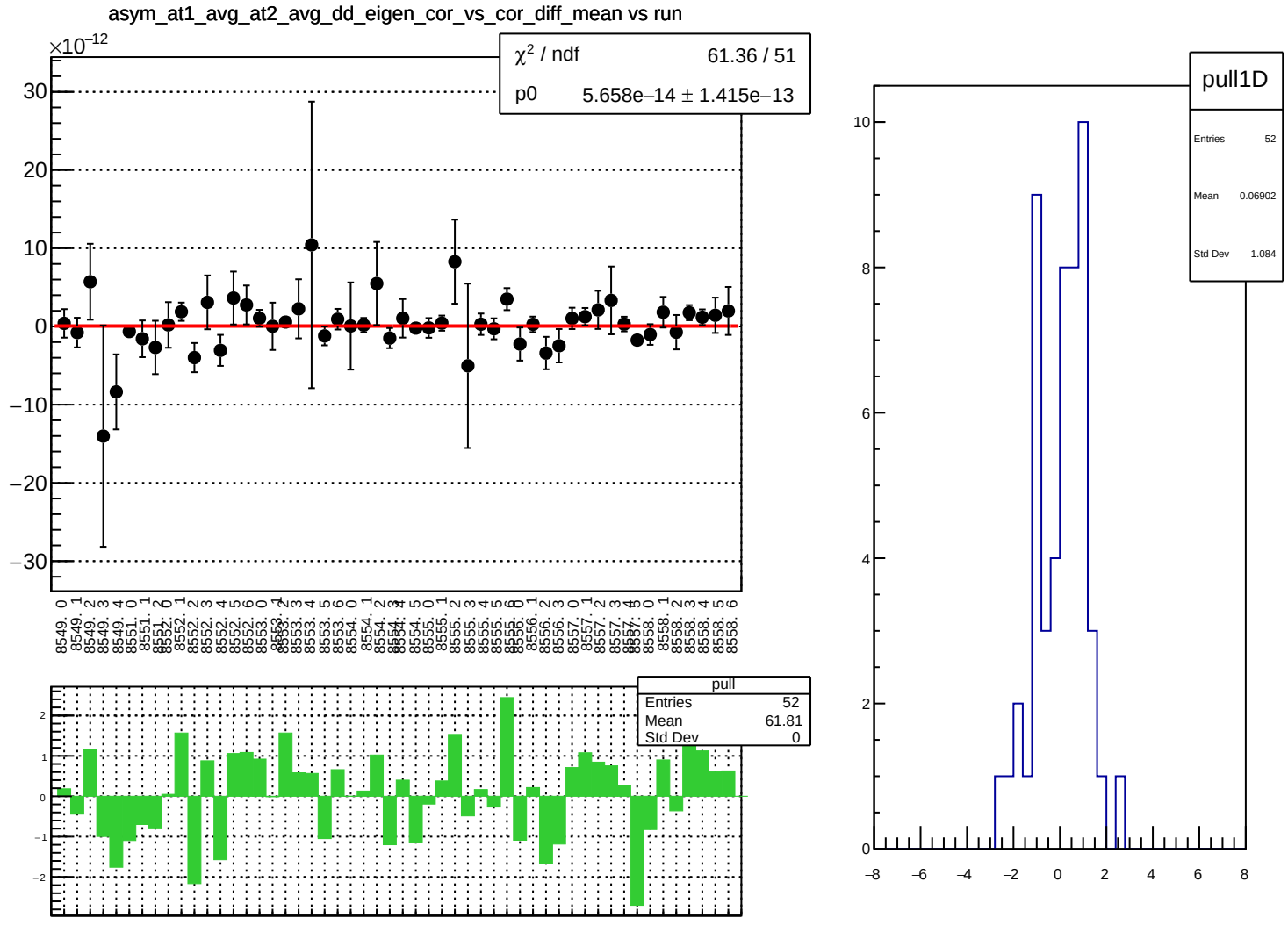

asym_at1_avg_at2_avg_dd_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 3339 / 51
p0 0.001055 ± 1.043e−06
0.0012
0.00115
0.0011
0.00105
0.001
0.00095
0.0009
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

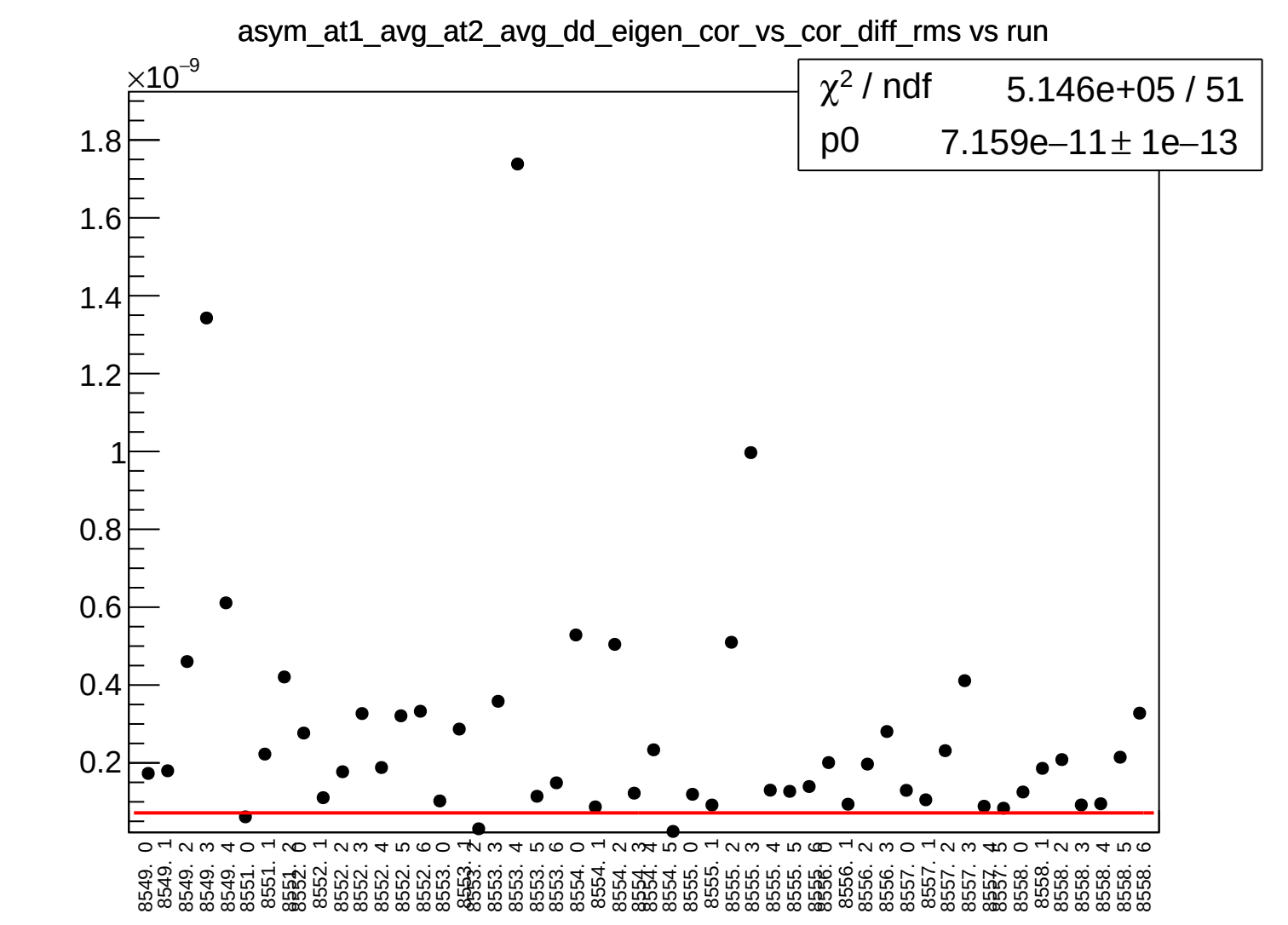

asym_at1_avg_at2_avg_dd_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 51.05 / 51
p0 1.497 ± 0.4606
pull
Entries 52
Mean 194.9
Std Dev 0
pull1D
Entries 52
Mean −0.03067
Std Dev 0.9904

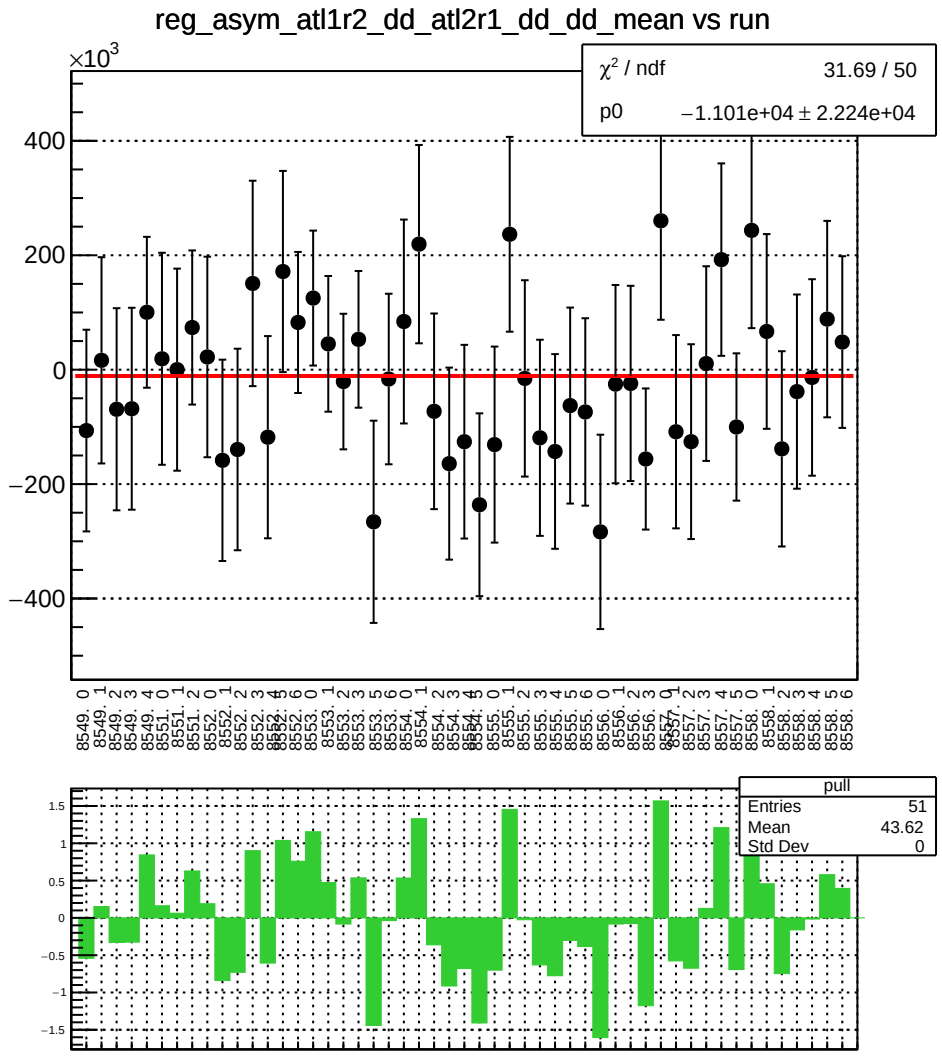

asym_at1_avg_at2_avg_dd_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 1.02e+05 / 51
p0 313.2 ± 0.3257
6000
5000
4000
3000
2000
1000
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

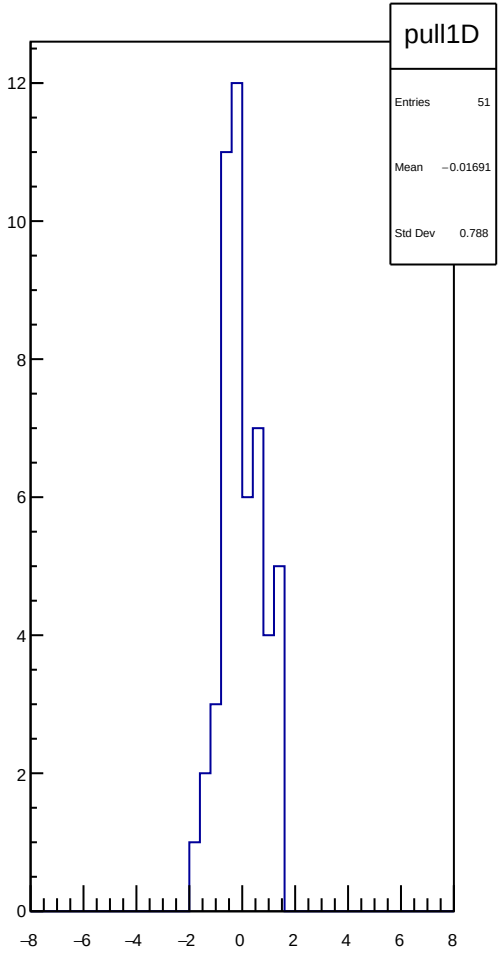

asym_at1_avg_at2_avg_dd_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 51.05 / 51
p0 1.497 ± 0.4606
pull
Entries 52
Mean 194.9
Std Dev 0
pull1D
Entries 52
Mean −0.03067
Std Dev 0.9904

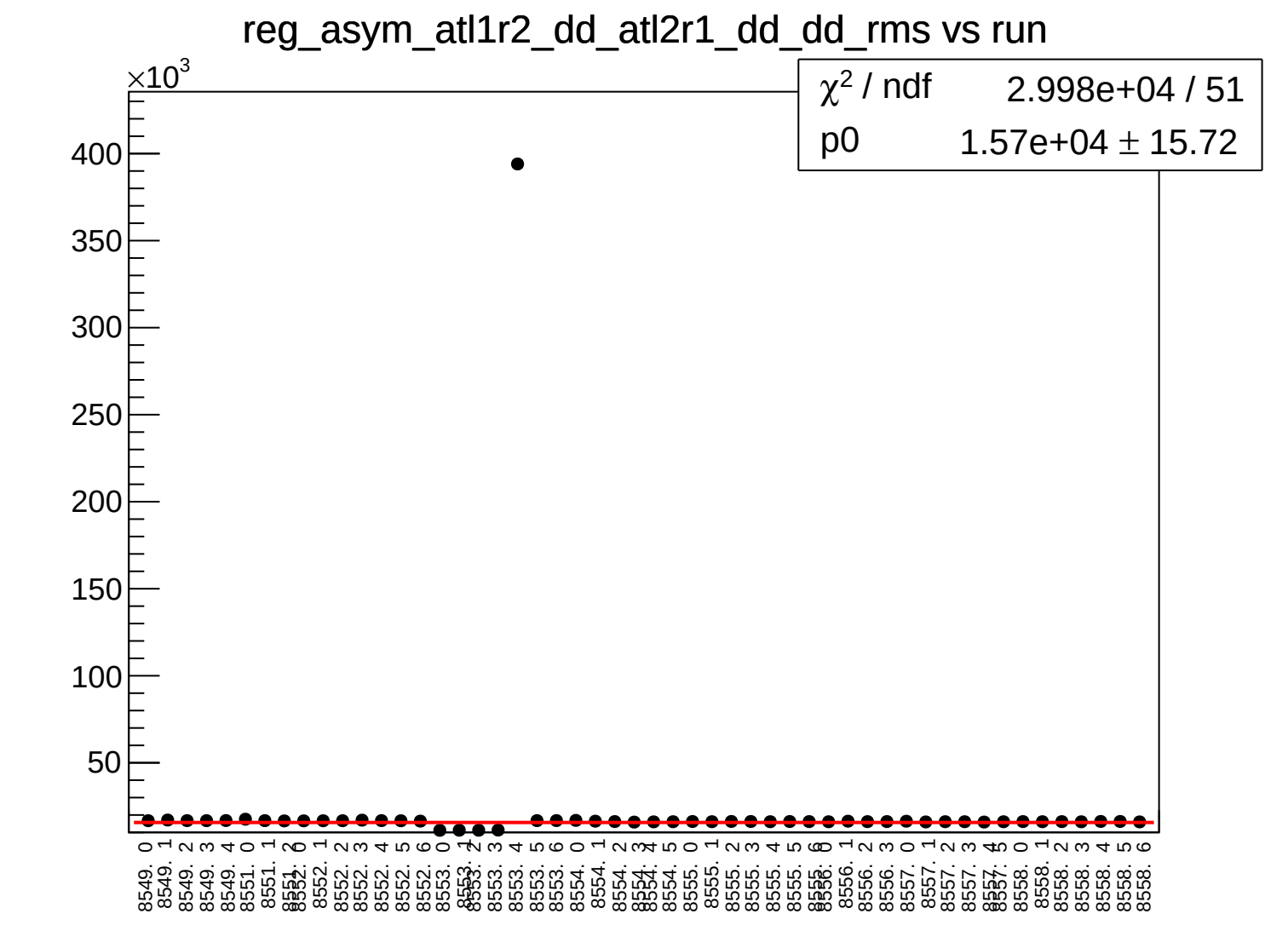

asym_at1_avg_at2_avg_dd_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.02e+05 / 51
p0 313.2 ± 0.3257
6000
5000
4000
3000
2000
1000
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 0
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 5
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6


asym_at1_avg_at2_avg_dd_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 61.36 / 51
p0 5.658e−14 ± 1.415e−13
pull
Entries 52
Mean 61.81
Std Dev 0
pull1D
Entries 52
Mean 0.06902
Std Dev 1.084


asym_at1_avg_at2_avg_dd_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 5.146e+05 / 51
p0 7.159e−11 ± 1e−13
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6


reg_asym_atl1r2_dd_atl2r1_dd_dd_mean vs run
×10^3
χ² / ndf 31.69 / 50
p0 −1.101e+04 ± 2.224e+04
400
200
0
−200
−400
pull
Entries 51
Mean 43.62
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5


pull1D
Entries 51
Mean −0.01691
Std Dev 0.788
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


reg_asym_atl1r2_dd_atl2r1_dd_dd_rms vs run
×10^3
400
350
300
250
200
150
100
50
χ² / ndf 2.998e+04 / 51
p0 1.57e+04 ± 15.72
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 5
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
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8558. 0
8558. 1
8558. 2
8558. 3
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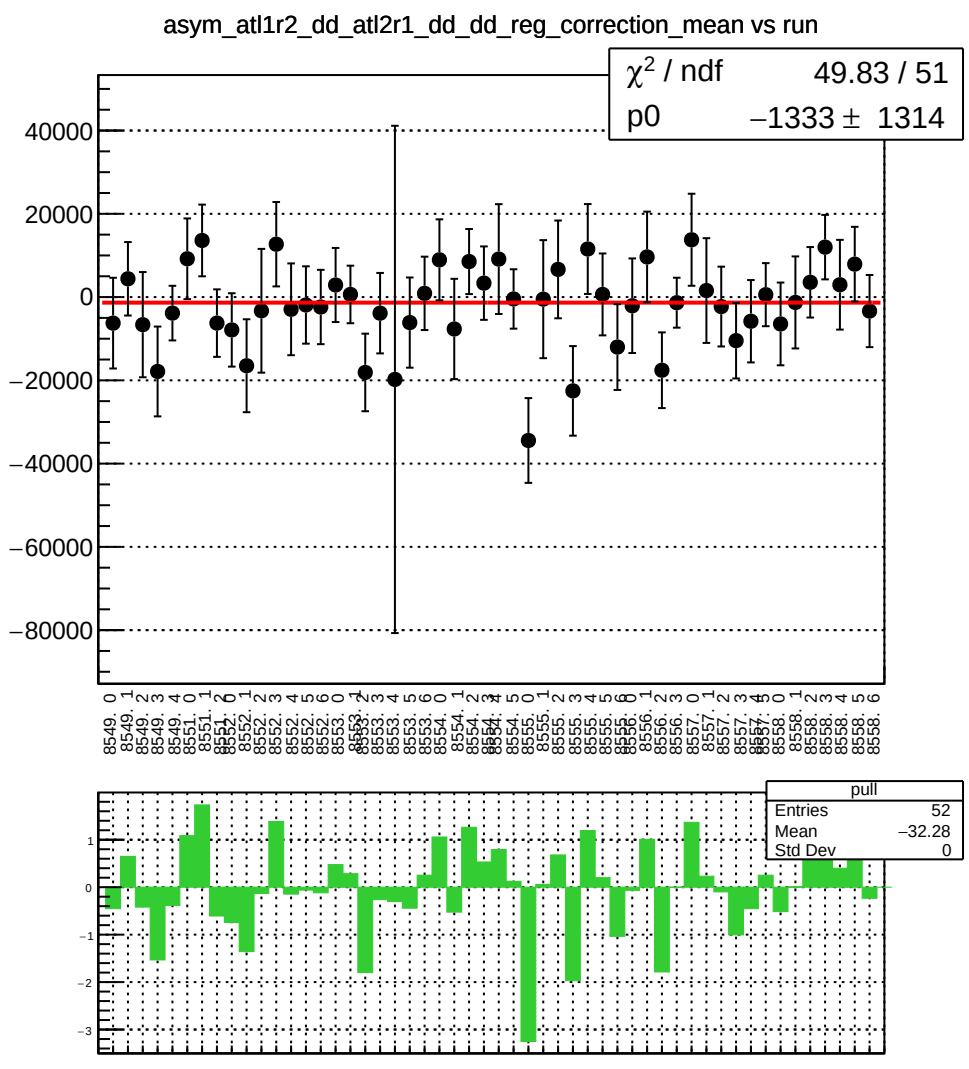
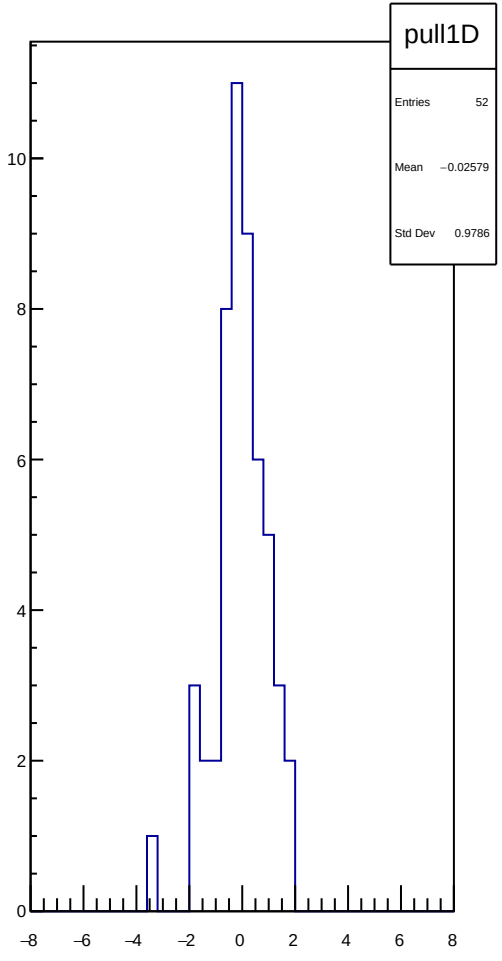
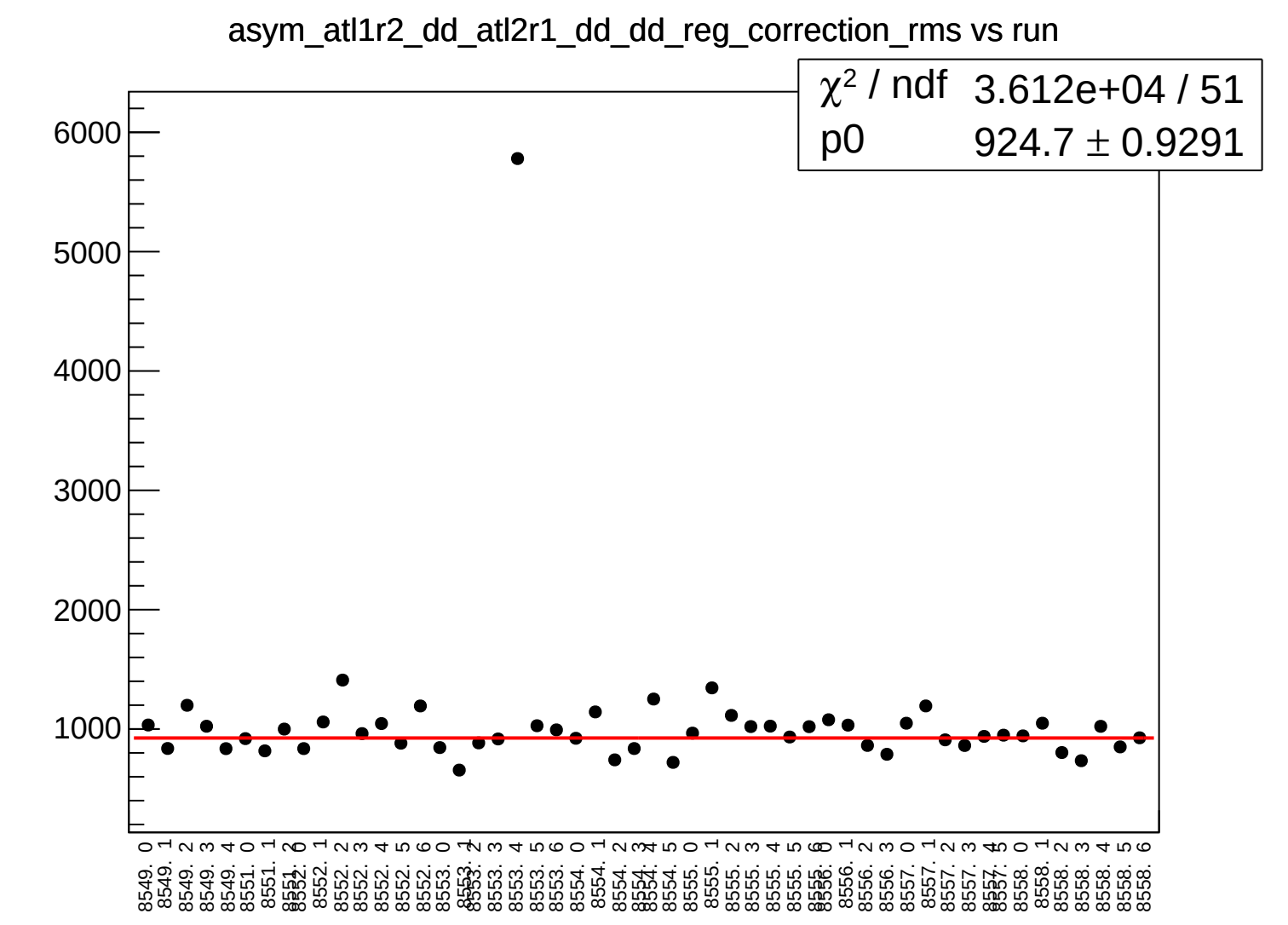
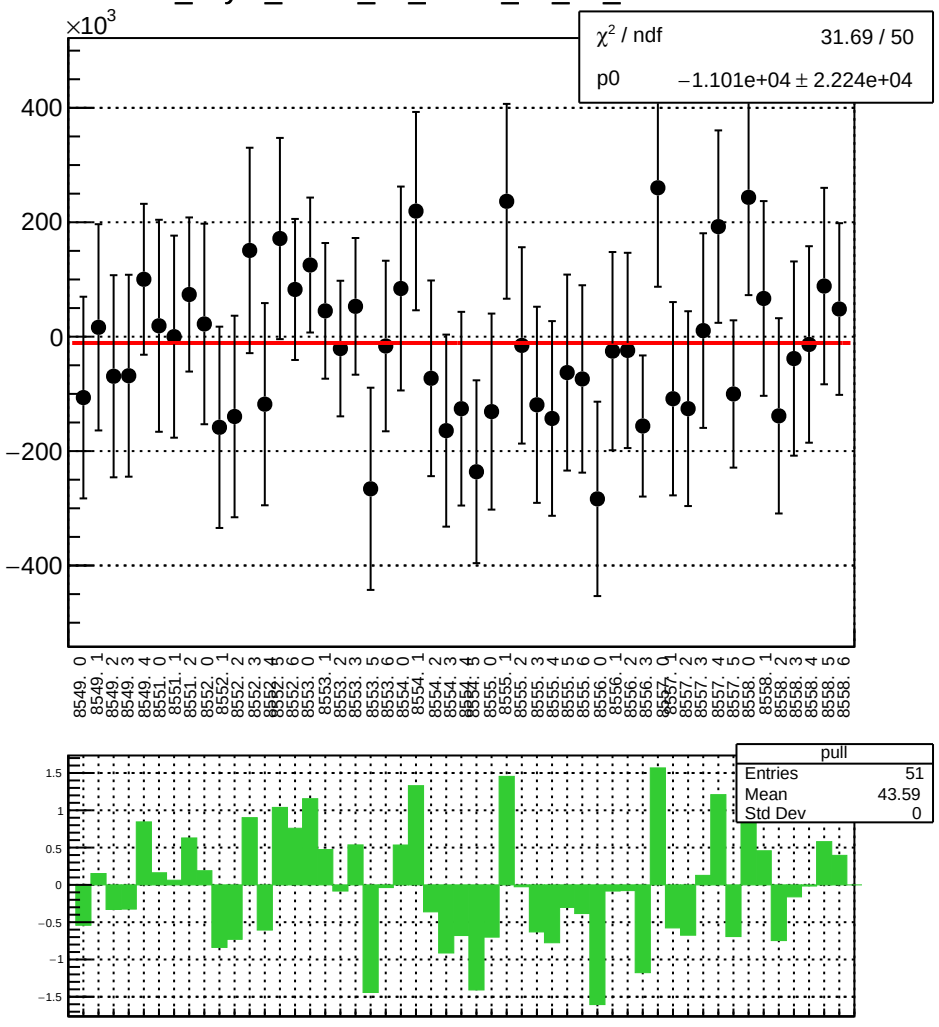
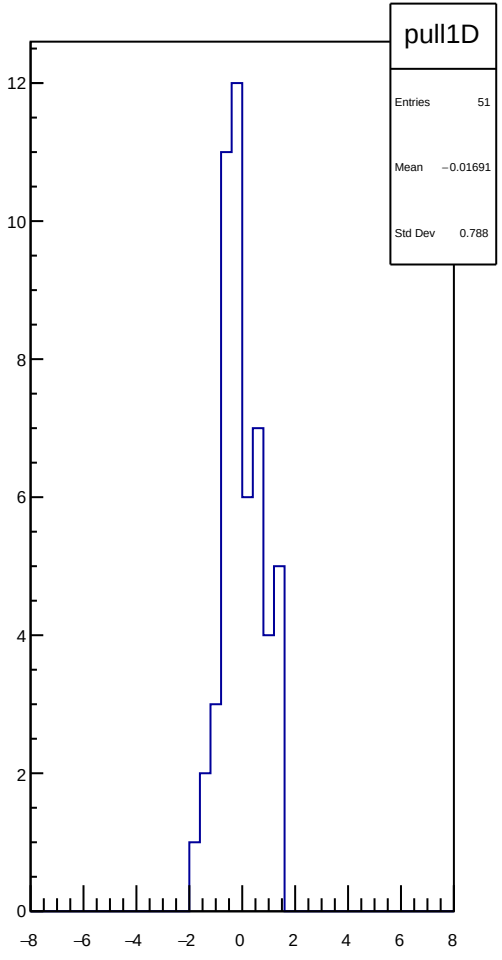
8558. 5
8558. 6

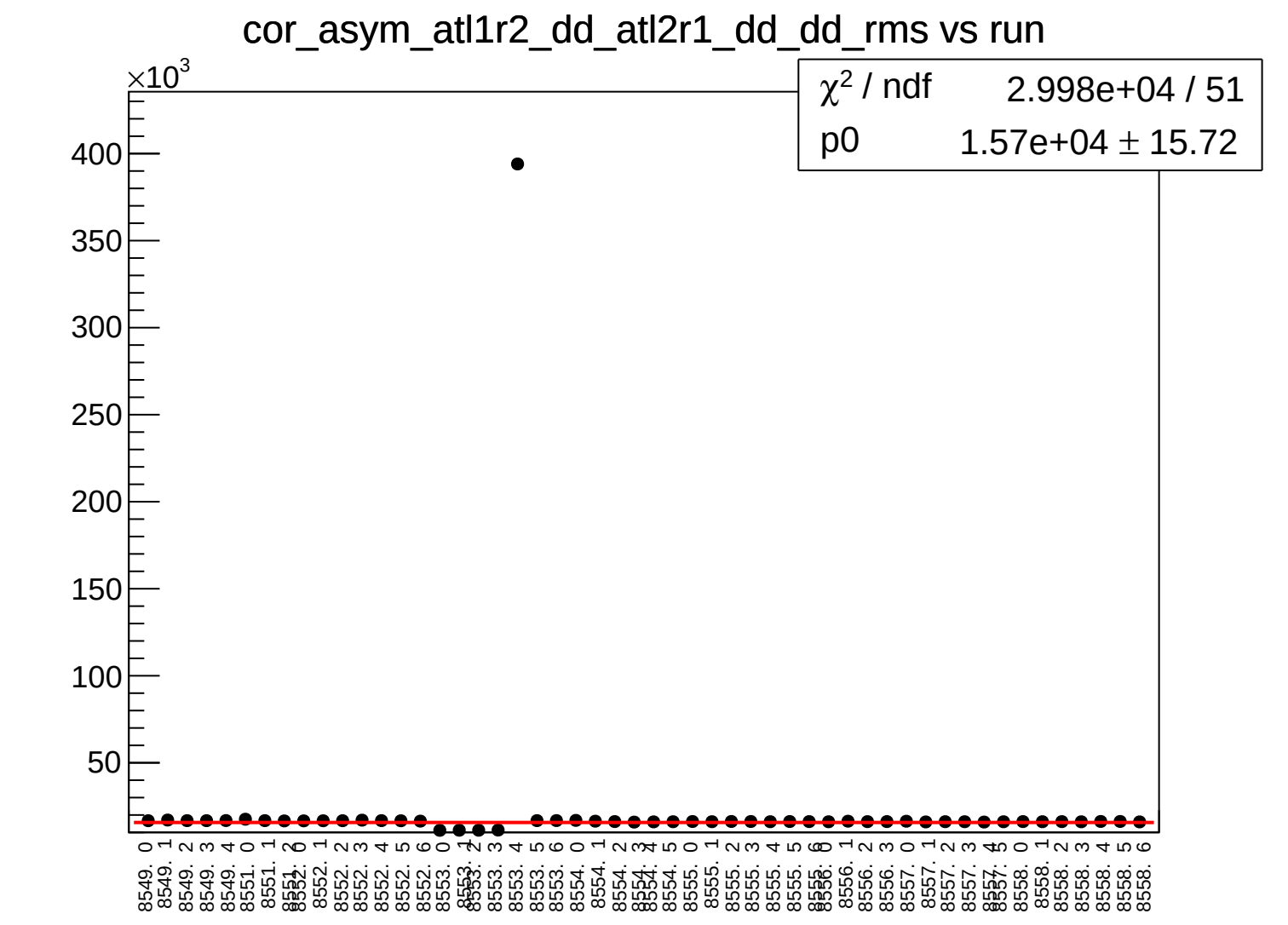

asym_atl1r2_dd_atl2r1_dd_dd_reg_correction_mean vs run
χ² / ndf 49.83 / 51
p0 −1333 ± 1314
40000
20000
0
−20000
−40000
−60000
−80000
pull
Entries 52
Mean −32.28
Std Dev 0

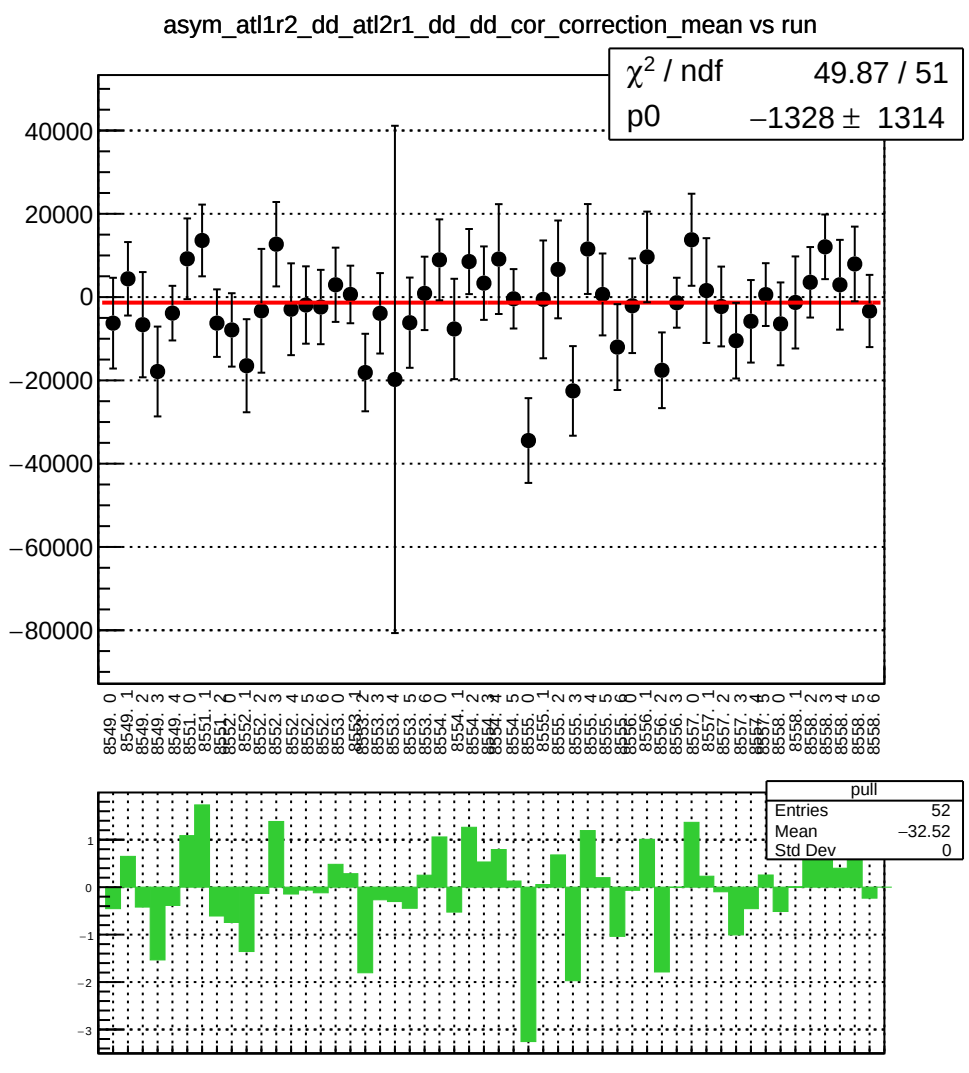

pull1D
Entries 52
Mean −0.02579
Std Dev 0.9786
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

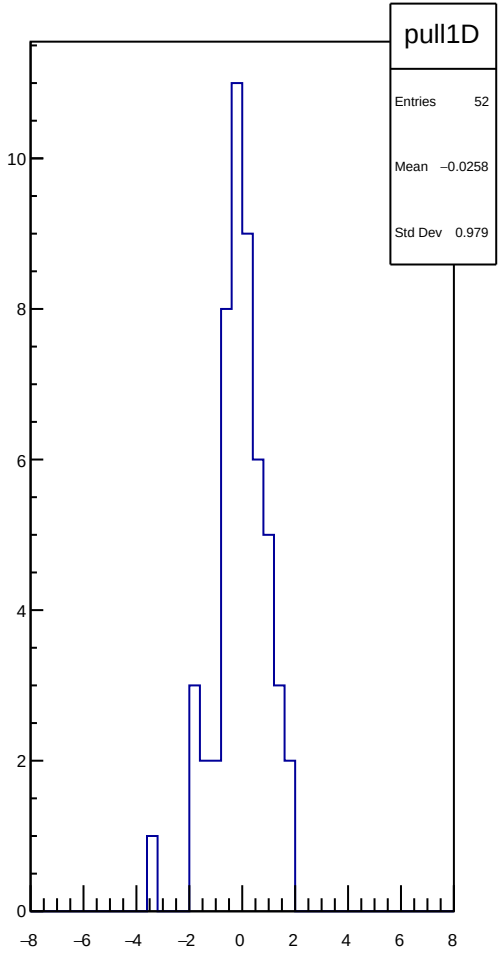

asym_atl1r2_dd_atl2r1_dd_dd_reg_correction_rms vs run
χ² / ndf 3.612e+04 / 51
p0 924.7 ± 0.9291
6000
5000
4000
3000
2000
1000
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

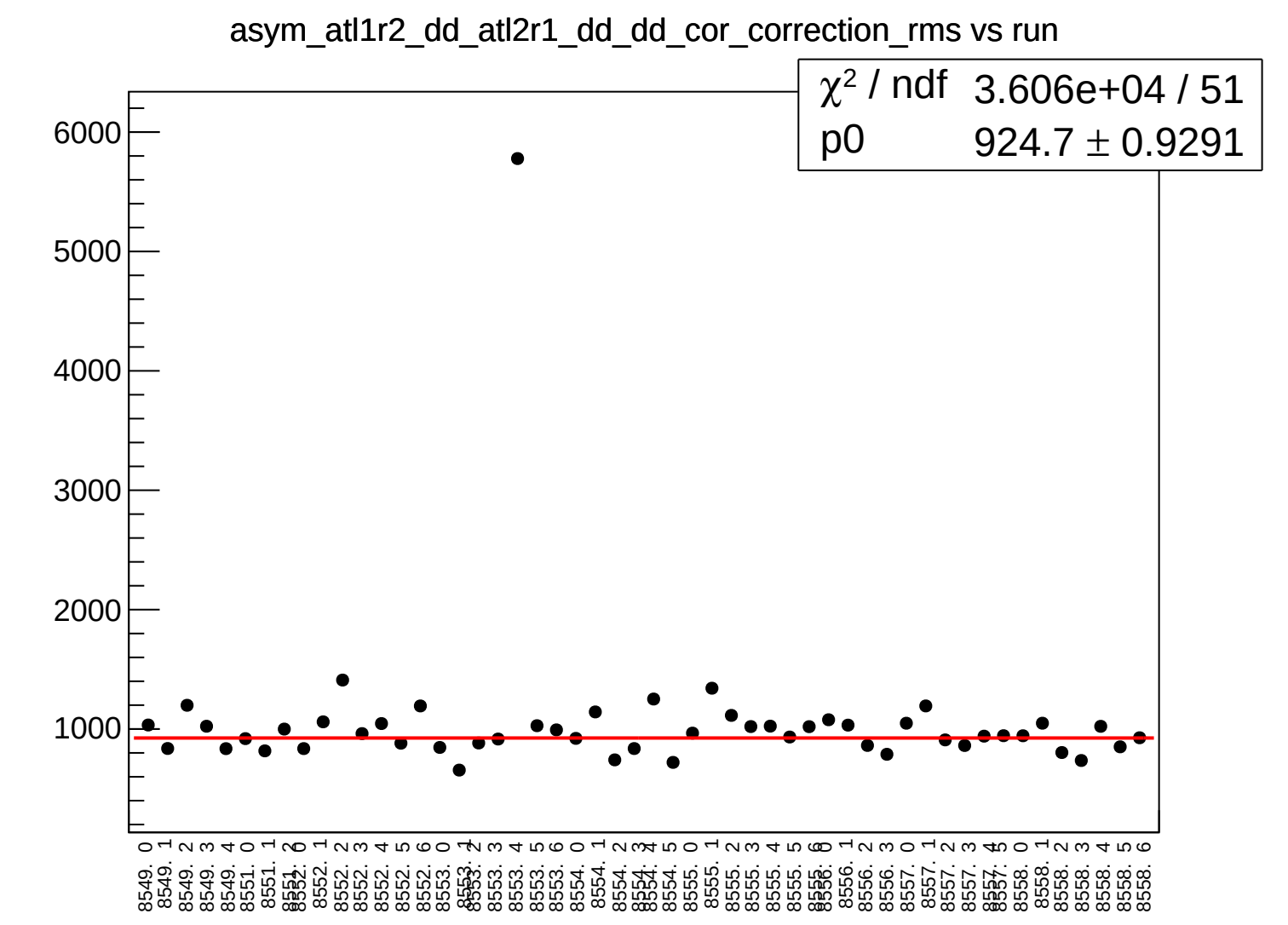

cor_asym_atl1r2_dd_atl2r1_dd_dd_mean vs run
×10^3
χ² / ndf 31.69 / 50
p0 −1.101e+04 ± 2.224e+04
400
200
0
−200
−400
pull
Entries 51
Mean 43.59
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5

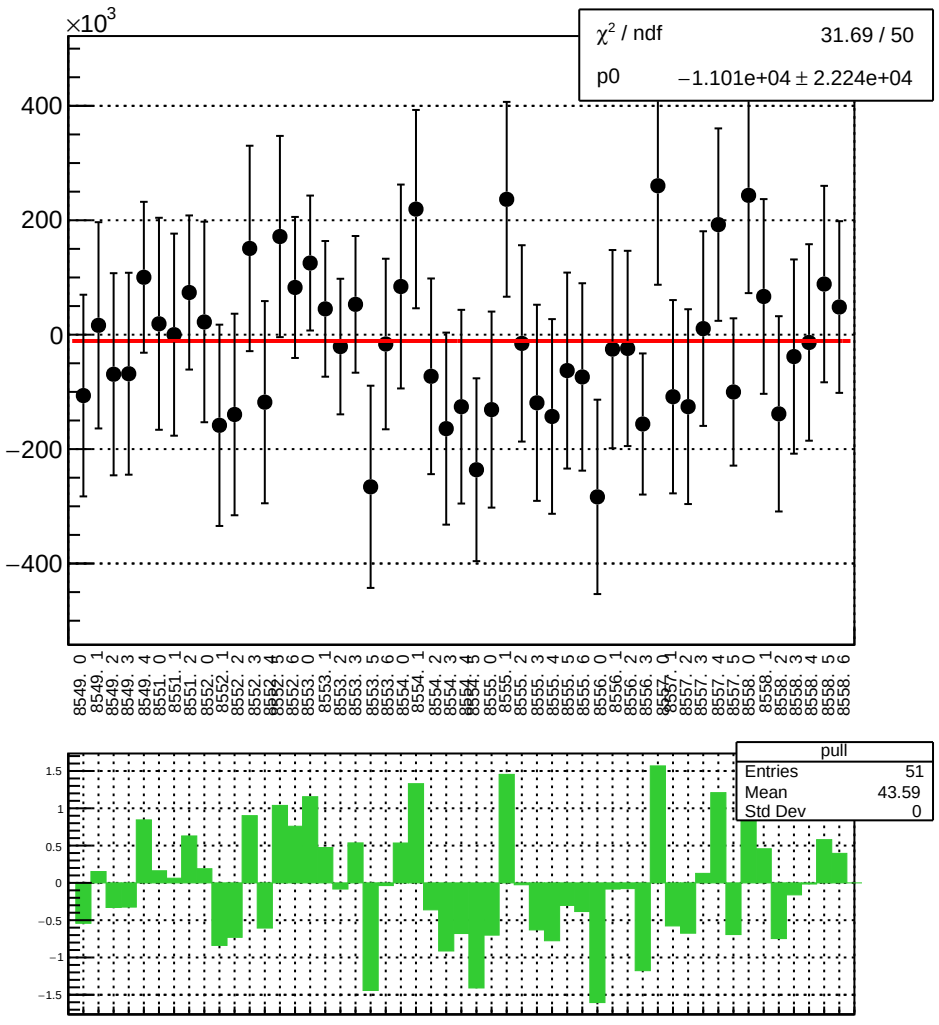

pull1D
Entries 51
Mean −0.01691
Std Dev 0.788
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

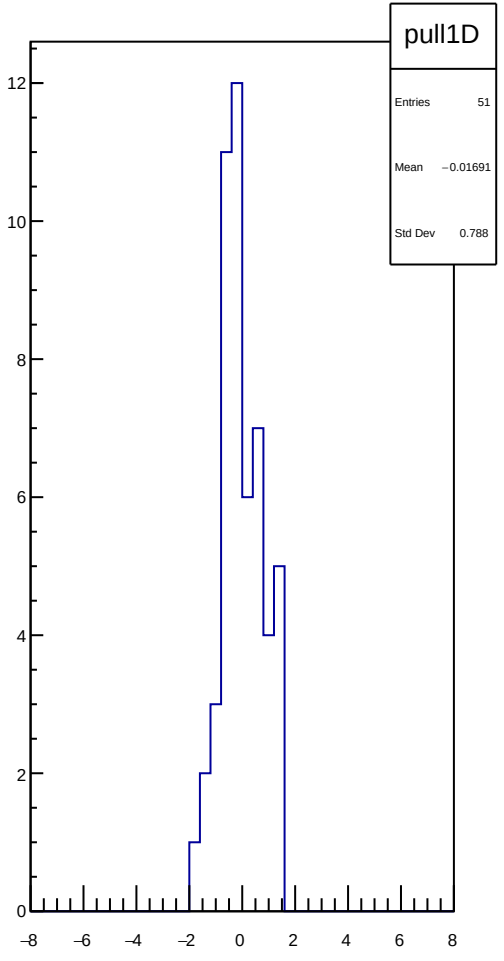

cor_asym_atl1r2_dd_atl2r1_dd_dd_rms vs run
×10^3
400
350
300
250
200
150
100
50
χ² / ndf 2.998e+04 / 51
p0 1.57e+04 ± 15.72
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 5
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

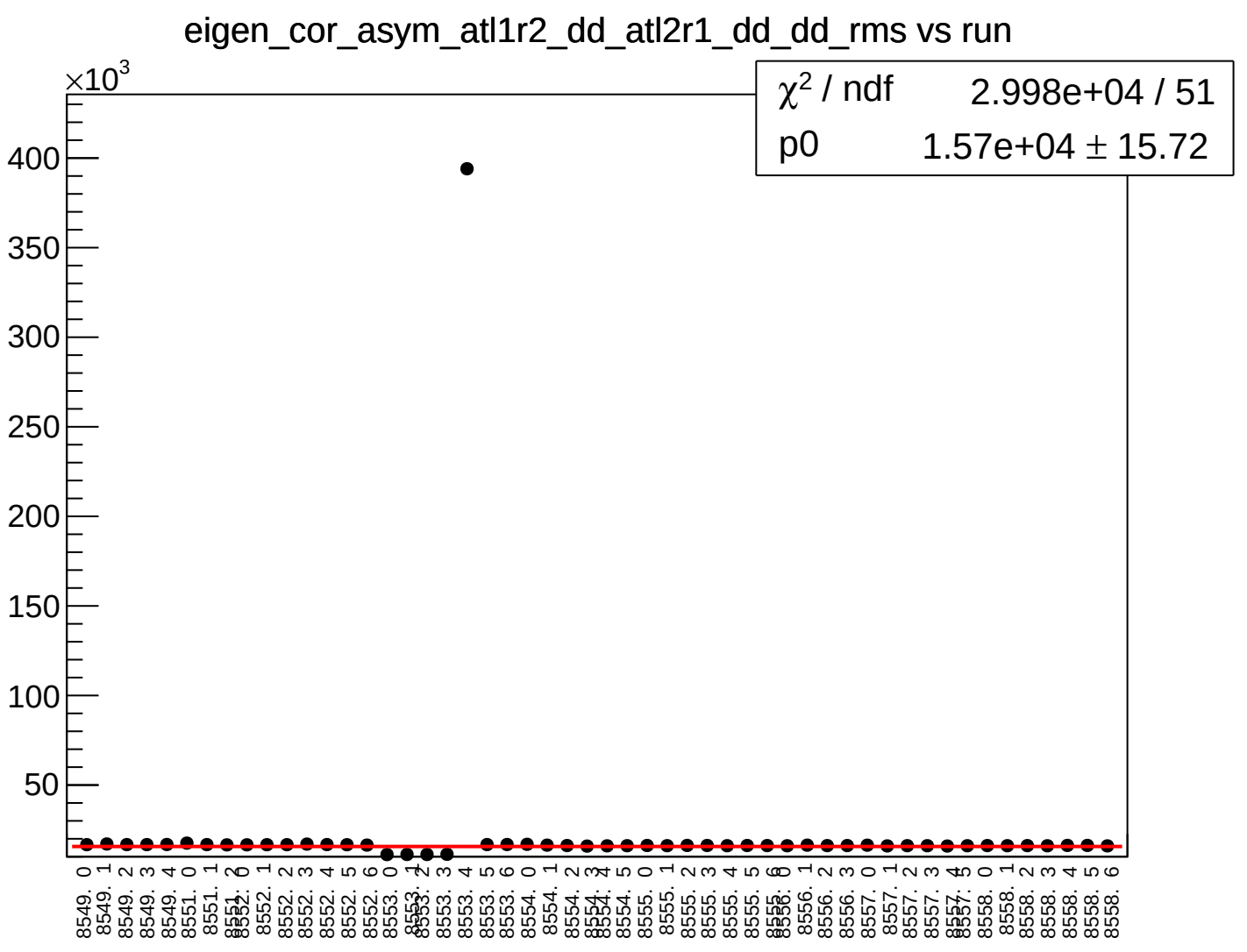

asym_atl1r2_dd_atl2r1_dd_dd_cor_correction_mean vs run
χ² / ndf 49.87 / 51
p0 −1328 ± 1314
40000
20000
0
−20000
−40000
−60000
−80000
pull
Entries 52
Mean −32.52
Std Dev 0

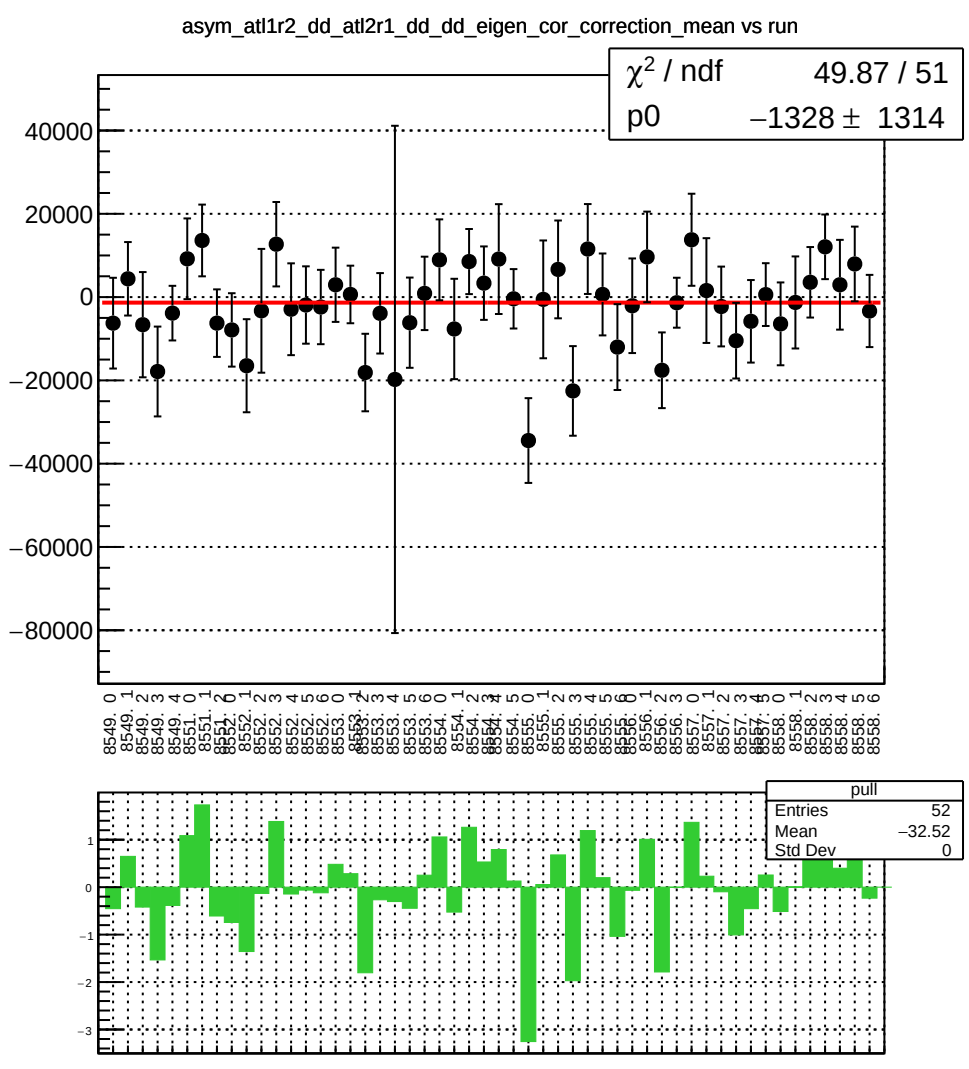

pull1D
Entries 52
Mean −0.0258
Std Dev 0.979
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

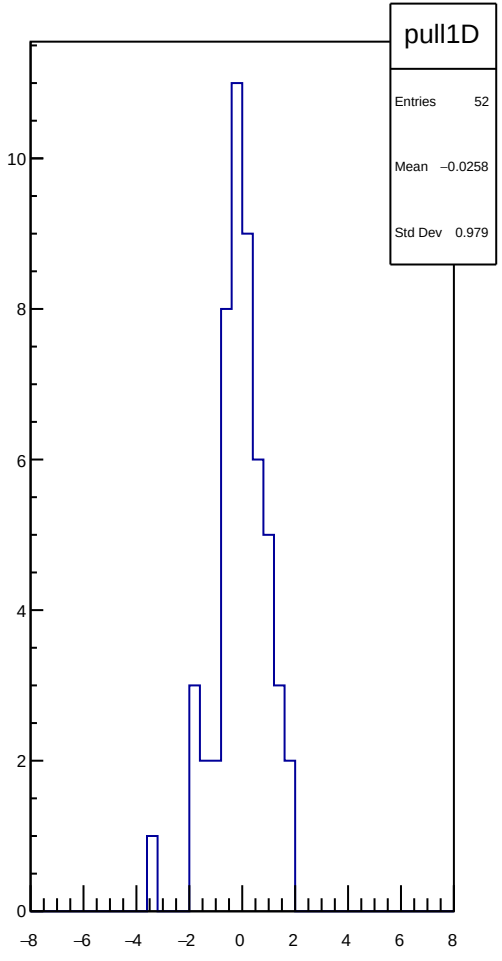

asym_atl1r2_dd_atl2r1_dd_dd_cor_correction_rms vs run
χ² / ndf 3.606e+04 / 51
p0 924.7 ± 0.9291
6000
5000
4000
3000
2000
1000
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6


eigen_cor_asym_atl1r2_dd_atl2r1_dd_dd_mean vs run
×10^3
χ² / ndf 31.69 / 50
p0 −1.101e+04 ± 2.224e+04
400
200
0
−200
−400
pull
Entries 51
Mean 43.59
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5


pull1D
Entries 51
Mean −0.01691
Std Dev 0.788
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


eigen_cor_asym_atl1r2_dd_atl2r1_dd_dd_rms vs run
×10^3
400
350
300
250
200
150
100
50
χ² / ndf 2.998e+04 / 51
p0 1.57e+04 ± 15.72
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 5
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6


asym_atl1r2_dd_atl2r1_dd_dd_eigen_cor_correction_mean vs run
χ² / ndf 49.87 / 51
p0 −1328 ± 1314
40000
20000
0
−20000
−40000
−60000
−80000
pull
Entries 52
Mean −32.52
Std Dev 0


pull1D
Entries 52
Mean −0.0258
Std Dev 0.979
10
8
6
4
2
0
−8
−6
−4
−2
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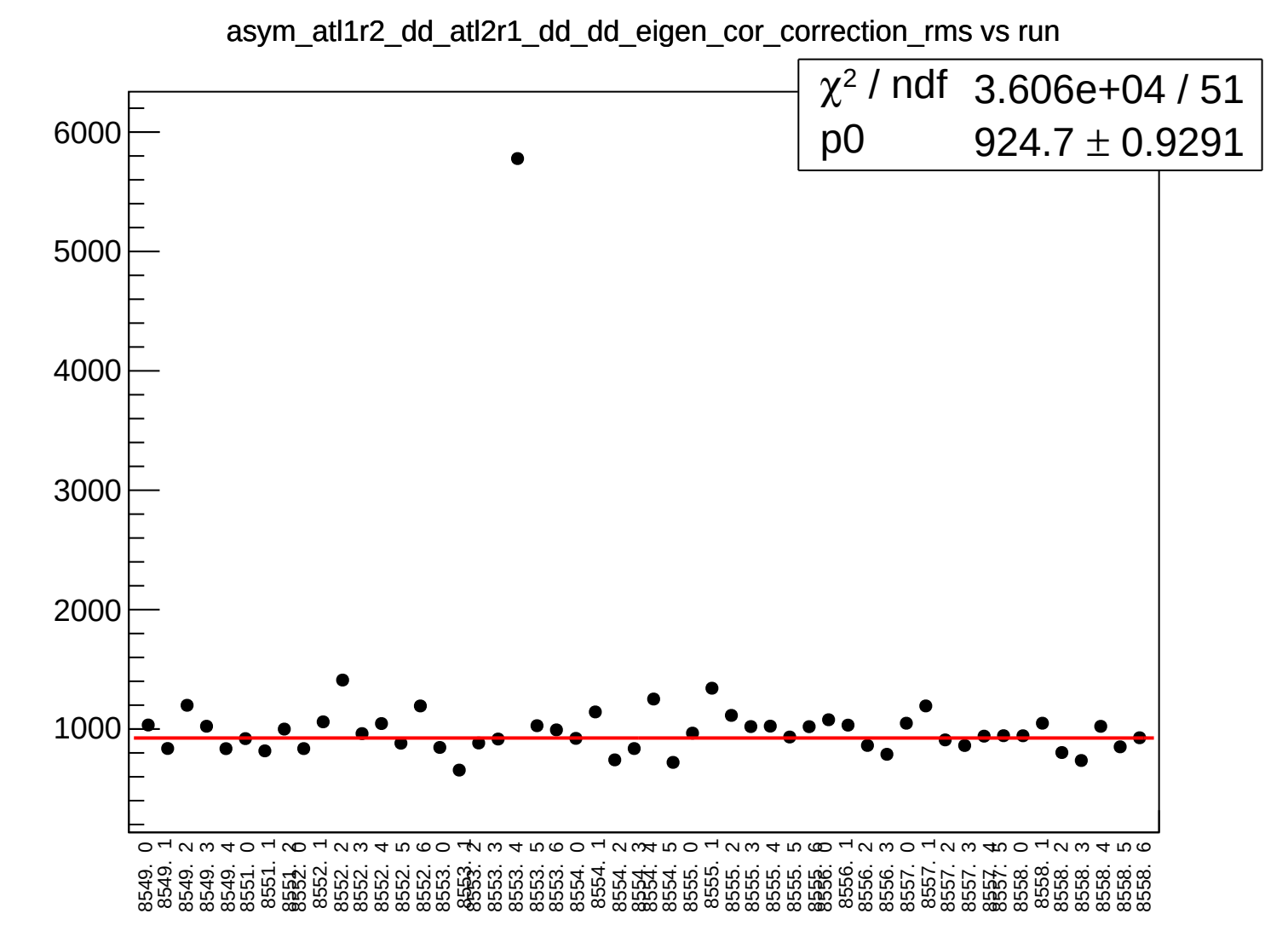
2
4
6
8


asym_atl1r2_dd_atl2r1_dd_dd_eigen_cor_correction_rms vs run
χ² / ndf 3.606e+04 / 51
p0 924.7 ± 0.9291
6000
5000
4000
3000
2000
1000
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 2
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 5
8555. 0
8555. 1
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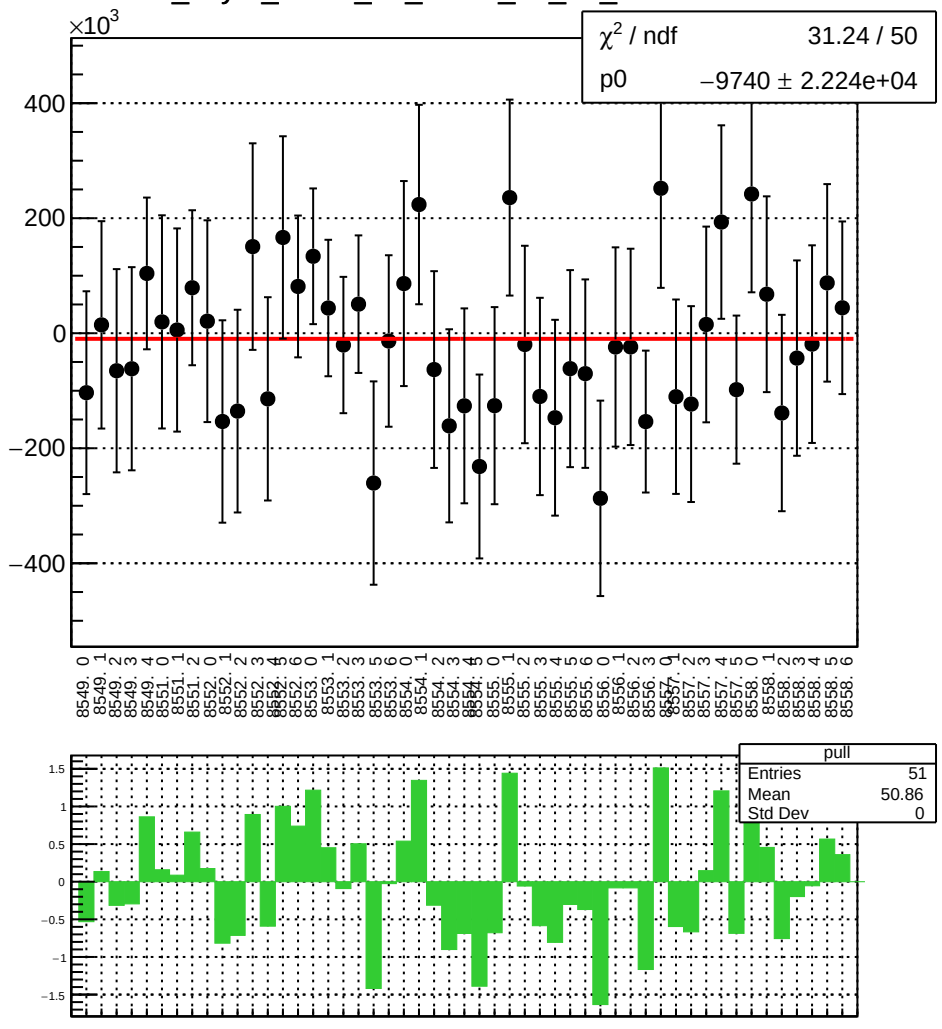
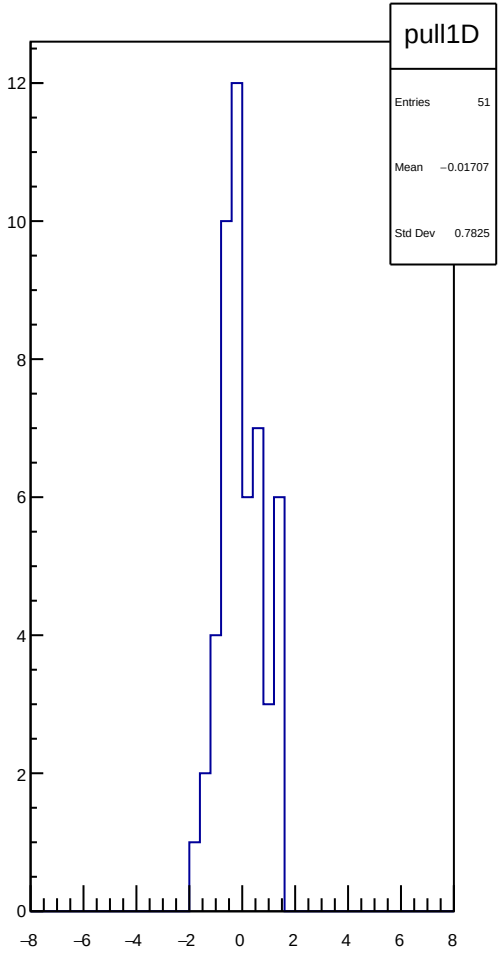
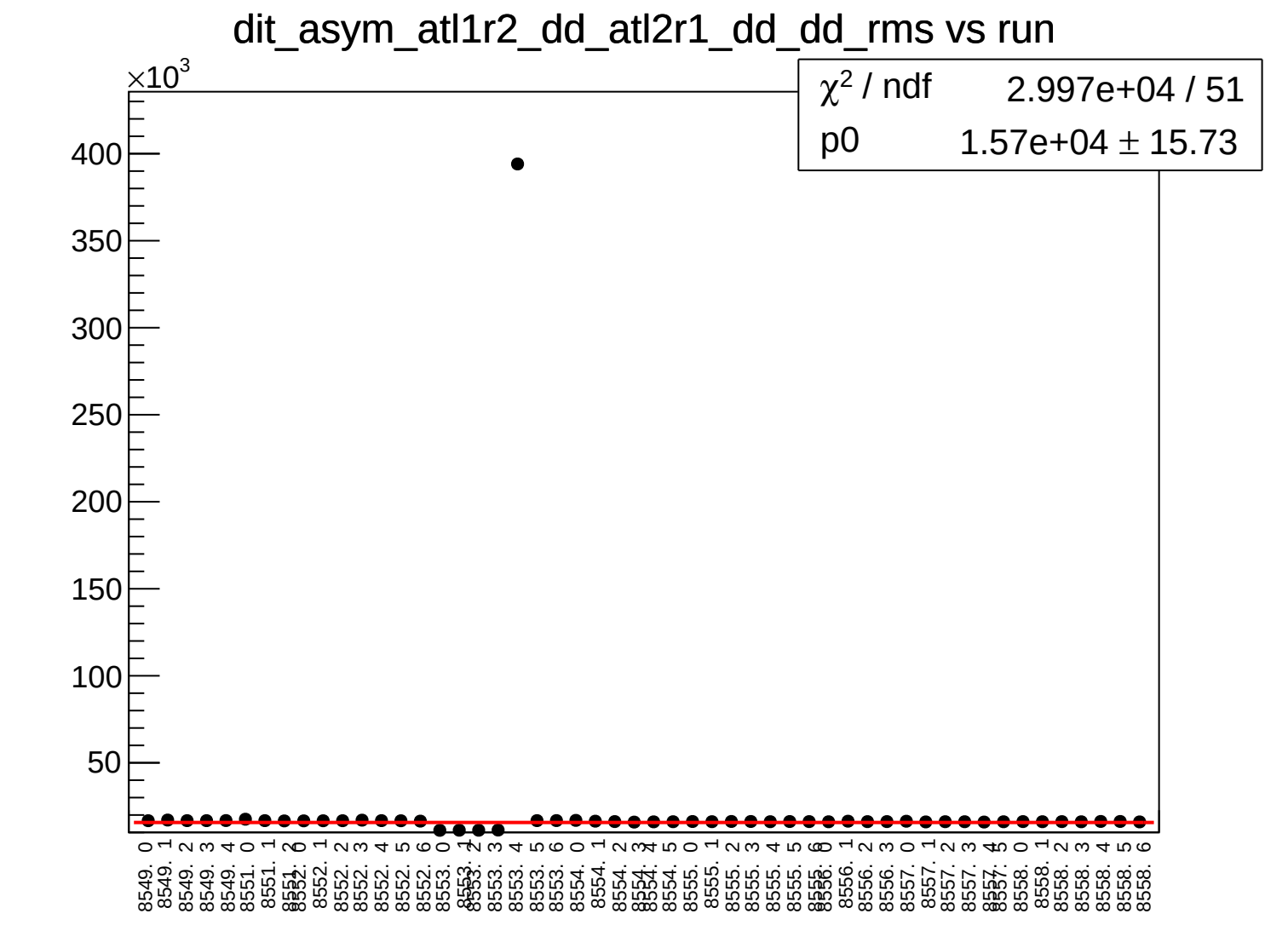
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6


dit_asym_atl1r2_dd_atl2r1_dd_dd_mean vs run
×10^3
χ² / ndf 31.24 / 50
p0 −9740 ± 2.224e+04
400
200
0
−200
−400
pull
Entries 51
Mean 50.86
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5


pull1D
Entries 51
Mean −0.01707
Std Dev 0.7825
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


dit_asym_atl1r2_dd_atl2r1_dd_dd_rms vs run
×10^3
χ² / ndf 2.997e+04 / 51
p0 1.57e+04 ± 15.73
400
350
300
250
200
150
100
50
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 1
8553. 2
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 5
8555. 0
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8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
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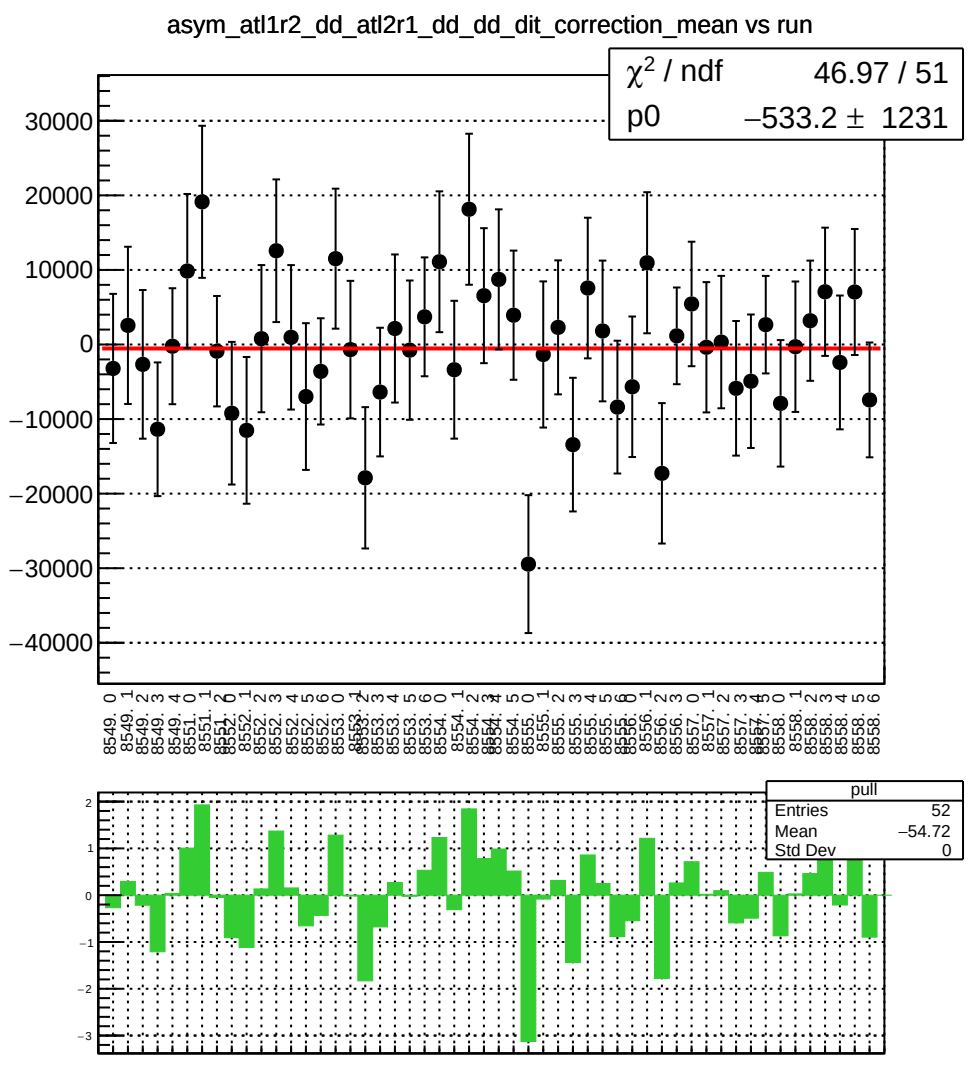
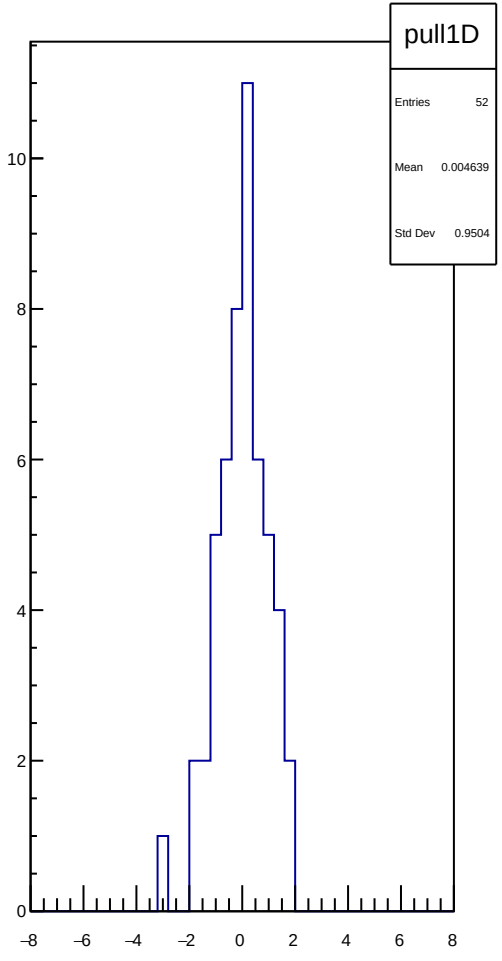
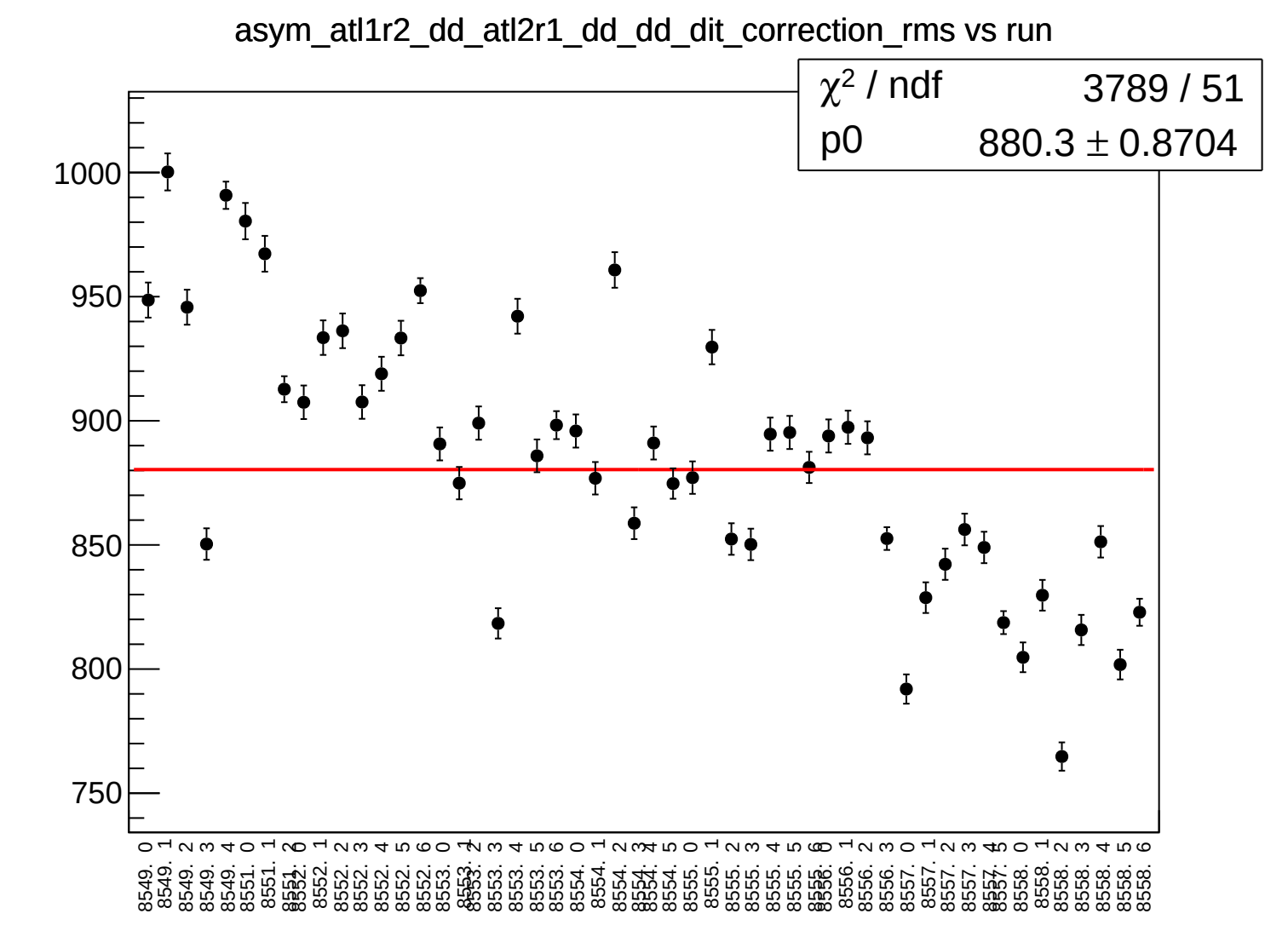
8558. 5
8558. 6


asym_atl1r2_dd_atl2r1_dd_dd_dit_correction_mean vs run
χ² / ndf 46.97 / 51
p0 −533.2 ± 1231
30000
20000
10000
0
−10000
−20000
−30000
−40000
pull
Entries 52
Mean −54.72
Std Dev 0


pull1D
Entries 52
Mean 0.004639
Std Dev 0.9504
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


asym_atl1r2_dd_atl2r1_dd_dd_dit_correction_rms vs run
χ² / ndf 3789 / 51
p0 880.3 ± 0.8704
1000
950
900
850
800
750
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 5
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
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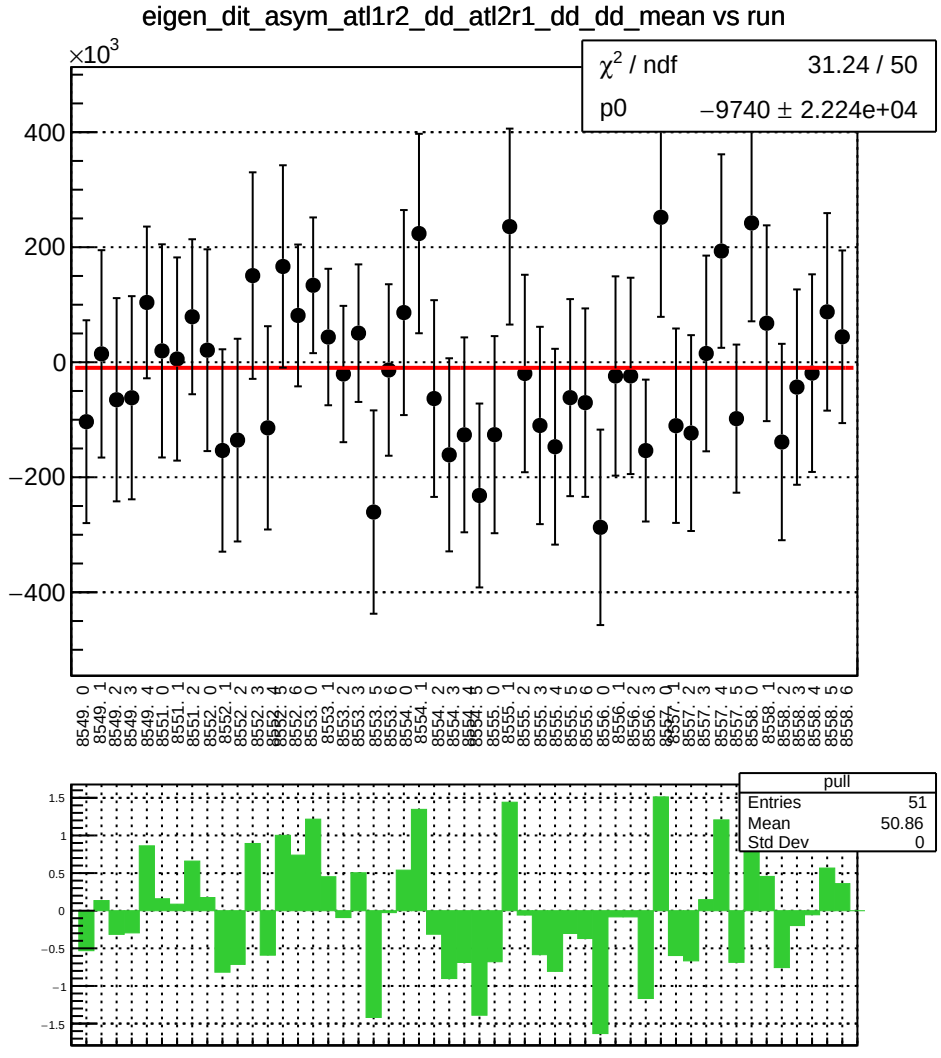
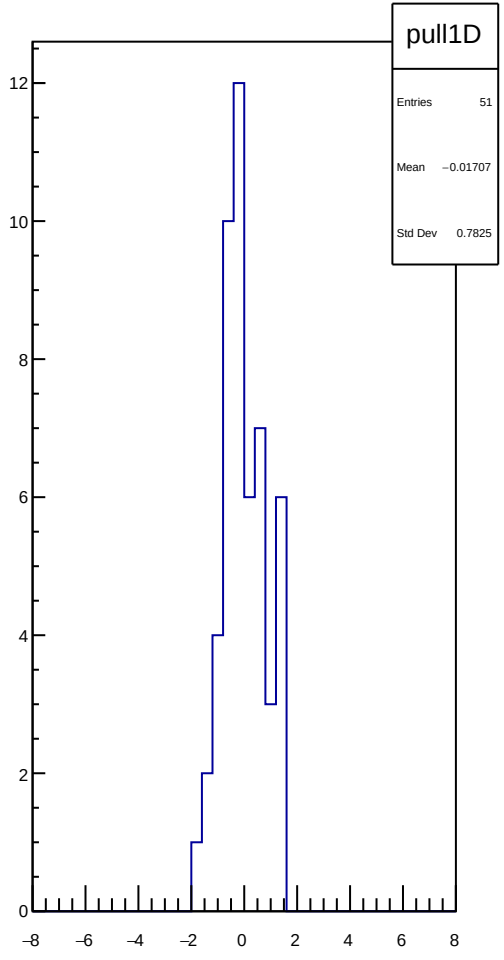
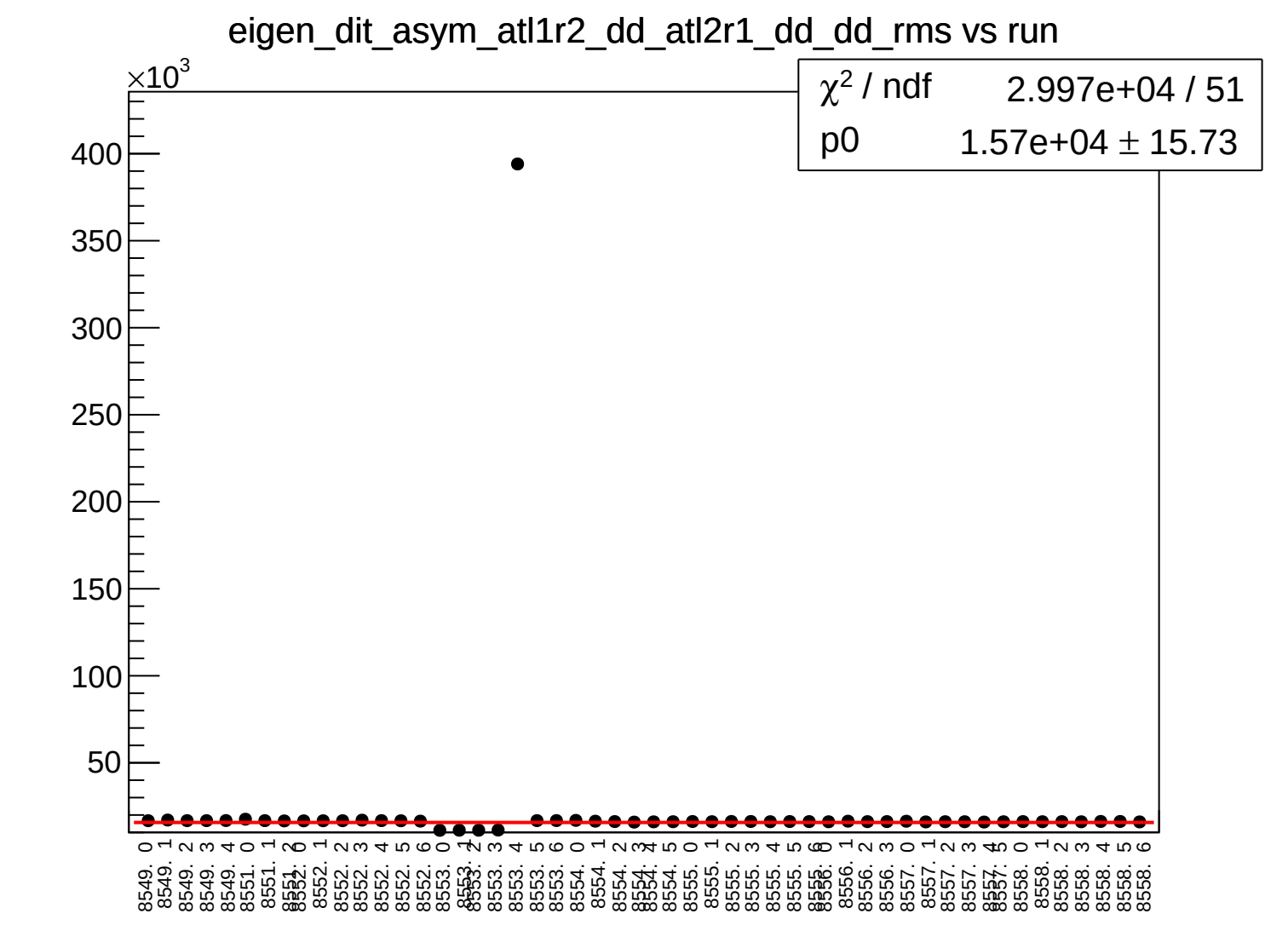
8558. 5
8558. 6


eigen_dit_asym_atl1r2_dd_atl2r1_dd_dd_mean vs run
×10^3
χ² / ndf 31.24 / 50
p0 −9740 ± 2.224e+04
pull
Entries 51
Mean 50.86
Std Dev 0


pull1D
Entries 51
Mean −0.01707
Std Dev 0.7825


eigen_dit_asym_atl1r2_dd_atl2r1_dd_dd_rms vs run
×10^3
χ² / ndf 2.997e+04 / 51
p0 1.57e+04 ± 15.73
400
350
300
250
200
150
100
50
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8551. 2
8552. 0
8552. 1
8552. 2
8552. 3
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8552. 5
8552. 6
8553. 0
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8553. 2
8553. 3
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8553. 5
8553. 6
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8554. 2
8554. 3
8554. 4
8554. 5
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8555. 1
8555. 2
8555. 3
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8555. 6
8556. 0
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
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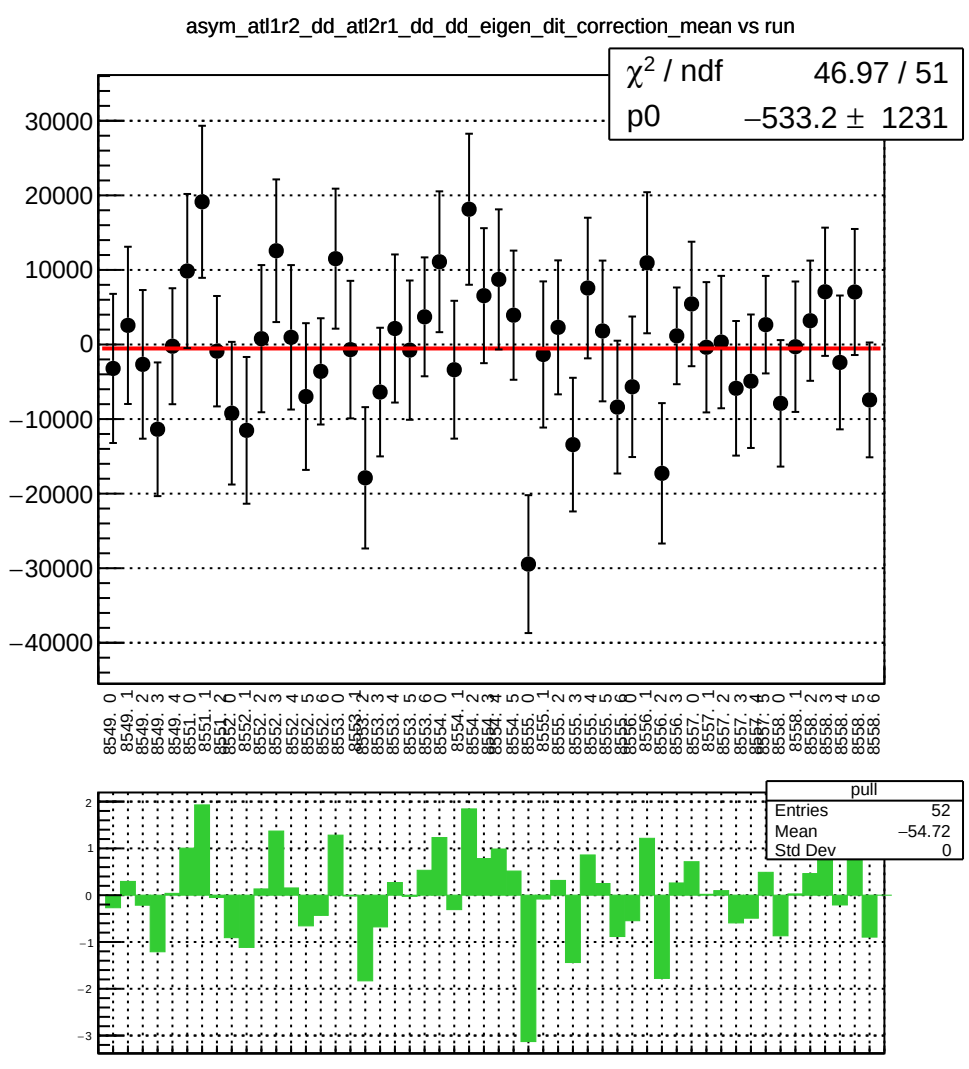
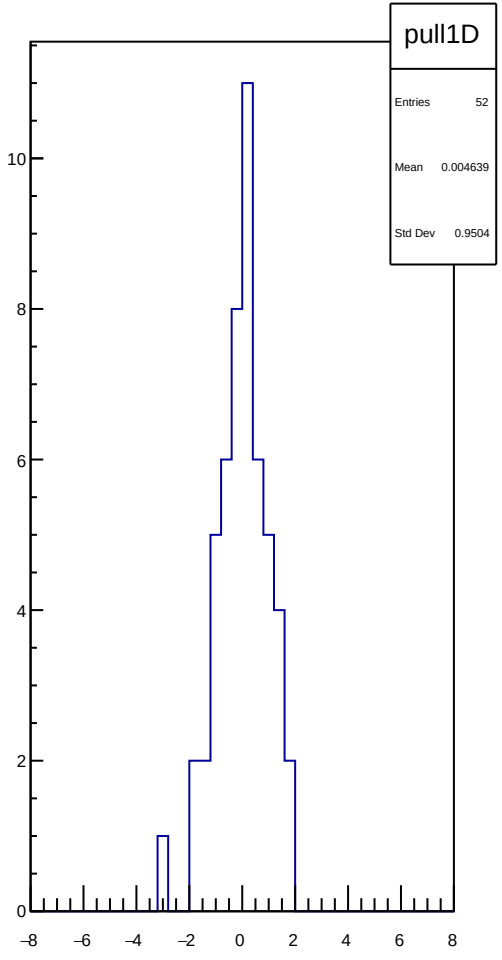
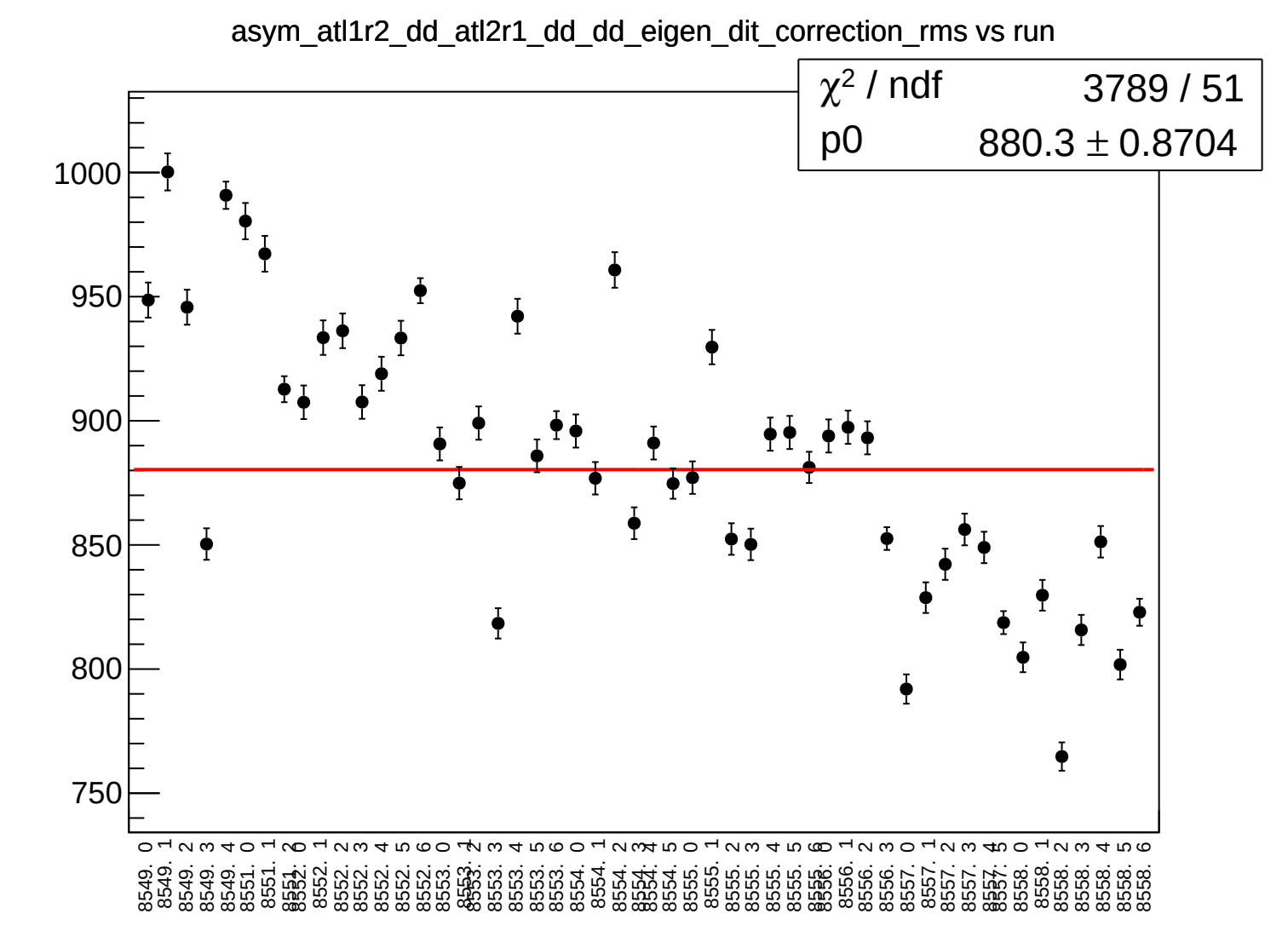
8557. 5
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6


asym_atl1r2_dd_atl2r1_dd_dd_eigen_dit_correction_mean vs run
χ² / ndf 46.97 / 51
p0 −533.2 ± 1231
30000
20000
10000
0
−10000
−20000
−30000
−40000
pull
Entries 52
Mean −54.72
Std Dev 0


pull1D
Entries 52
Mean 0.004639
Std Dev 0.9504
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


asym_atl1r2_dd_atl2r1_dd_dd_eigen_dit_correction_rms vs run
χ² / ndf 3789 / 51
p0 880.3 ± 0.8704
1000
950
900
850
800
750
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
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8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
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8555. 2
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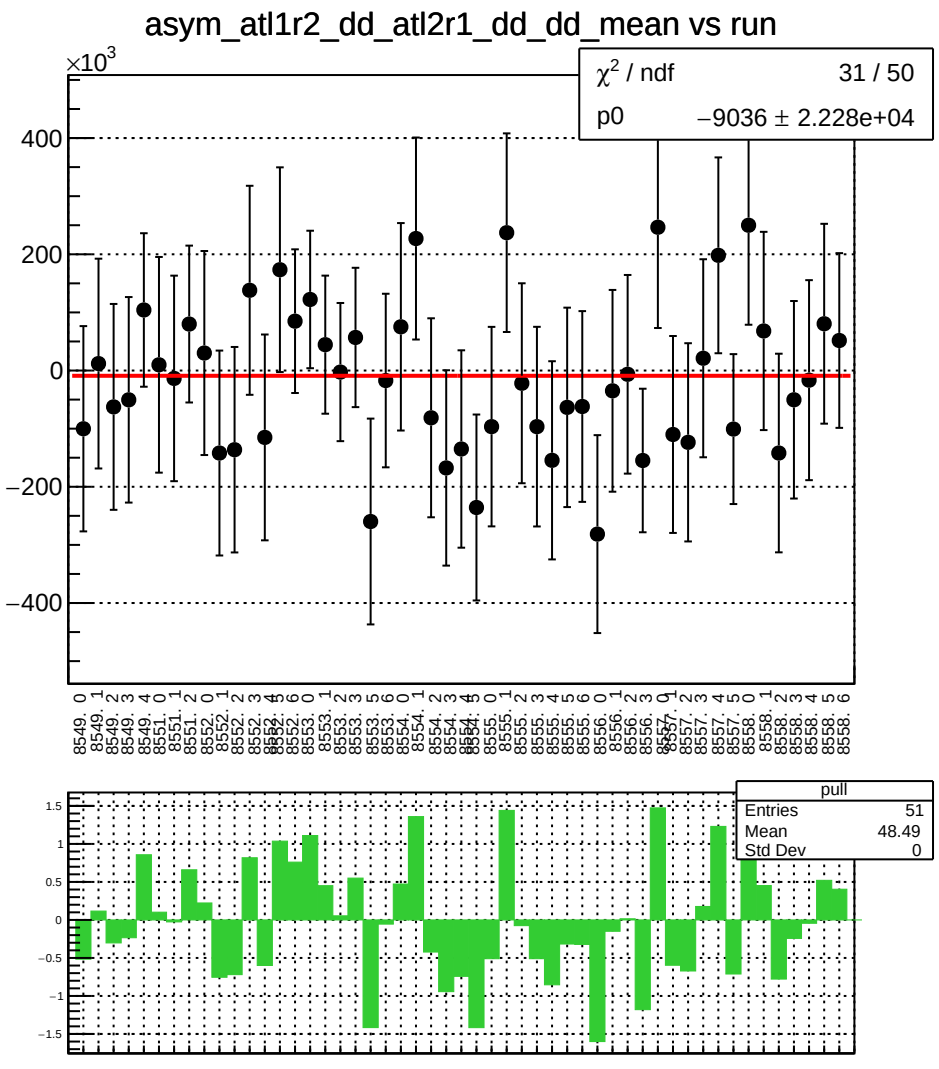
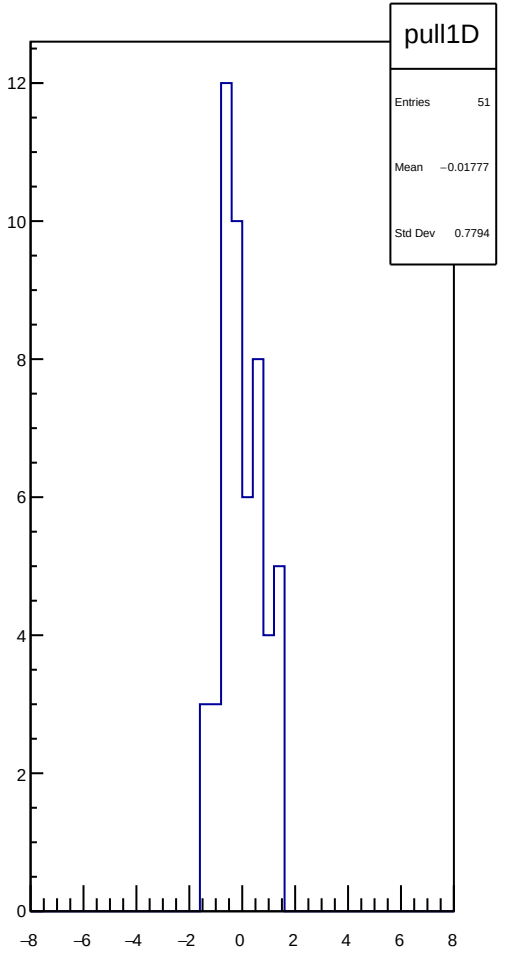
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6


asym_atl1r2_dd_atl2r1_dd_dd_mean vs run
×10^3
χ² / ndf 31 / 50
p0 −9036 ± 2.228e+04
400
200
0
−200
−400
pull
Entries 51
Mean 48.49
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5


pull1D
Entries 51
Mean −0.01777
Std Dev 0.7794
12
10
8
6
4
2
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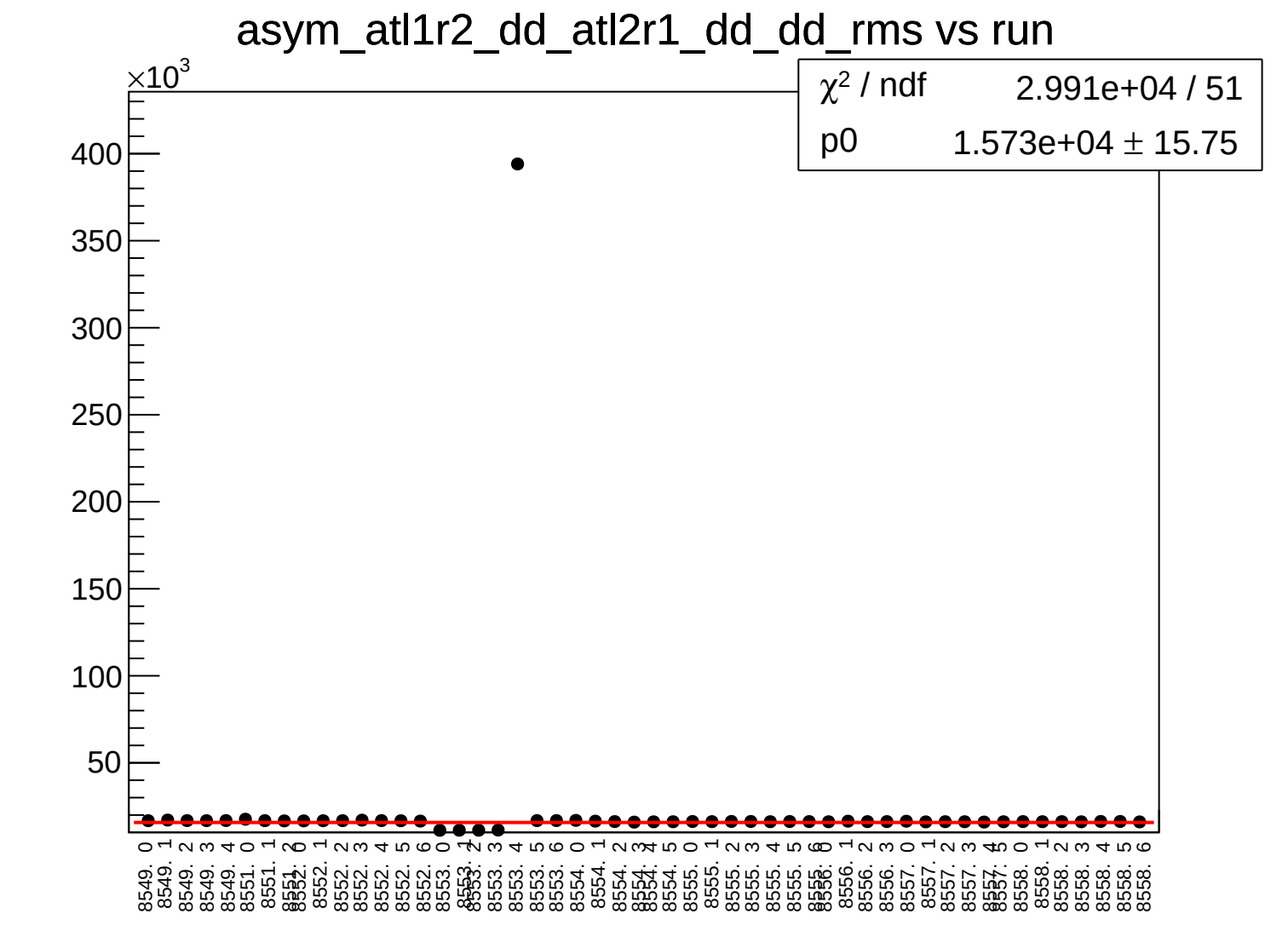
−8
−6
−4
−2
0
2
4
6
8


asym_atl1r2_dd_atl2r1_dd_dd_rms vs run
×10^3
400
350
300
250
200
150
100
50
χ² / ndf 2.991e+04 / 51
p0 1.573e+04 ± 15.75
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 4
8553. 5
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8556. 1
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8557. 0
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8557. 3
8558. 0
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8558. 2
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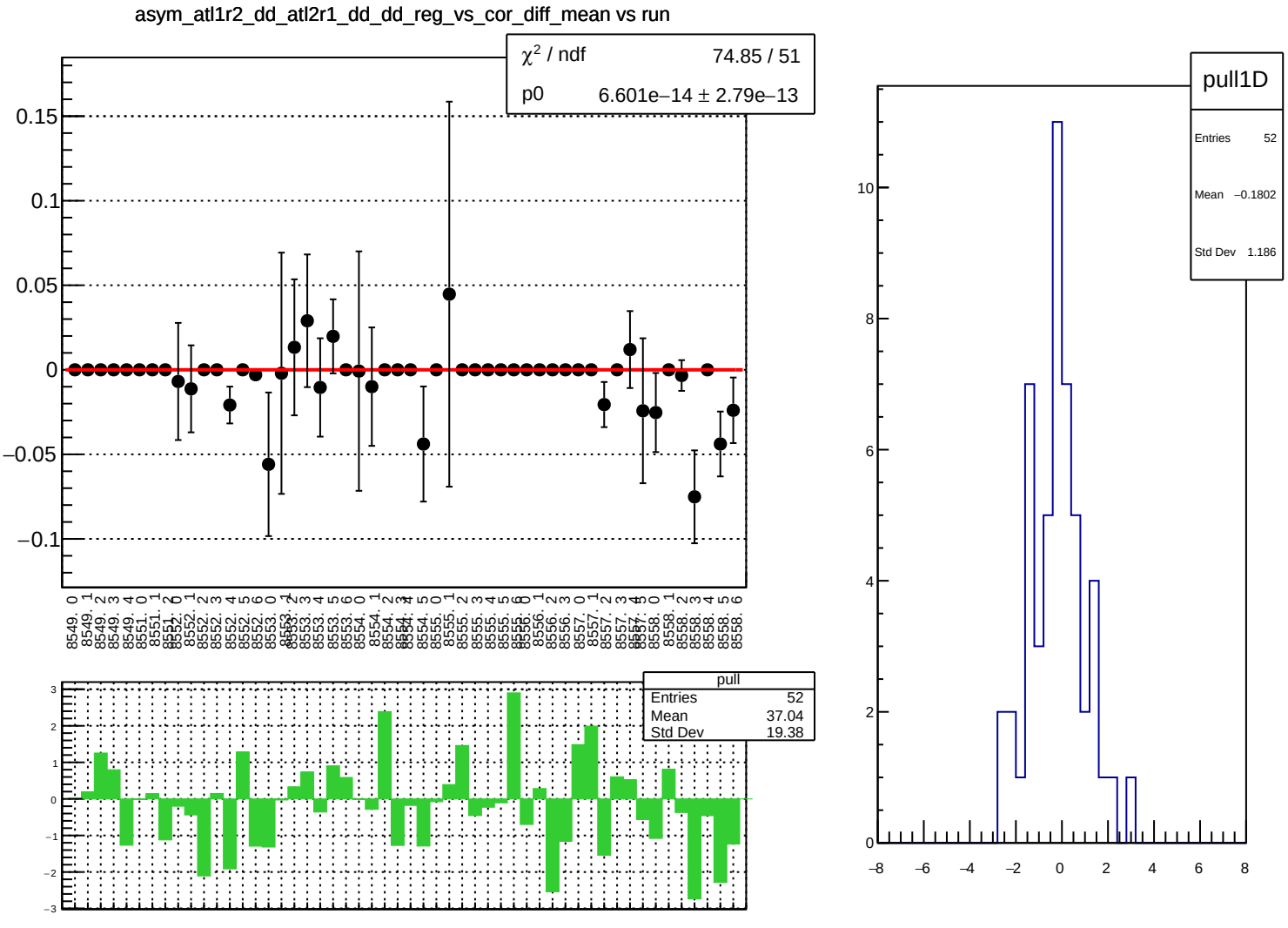
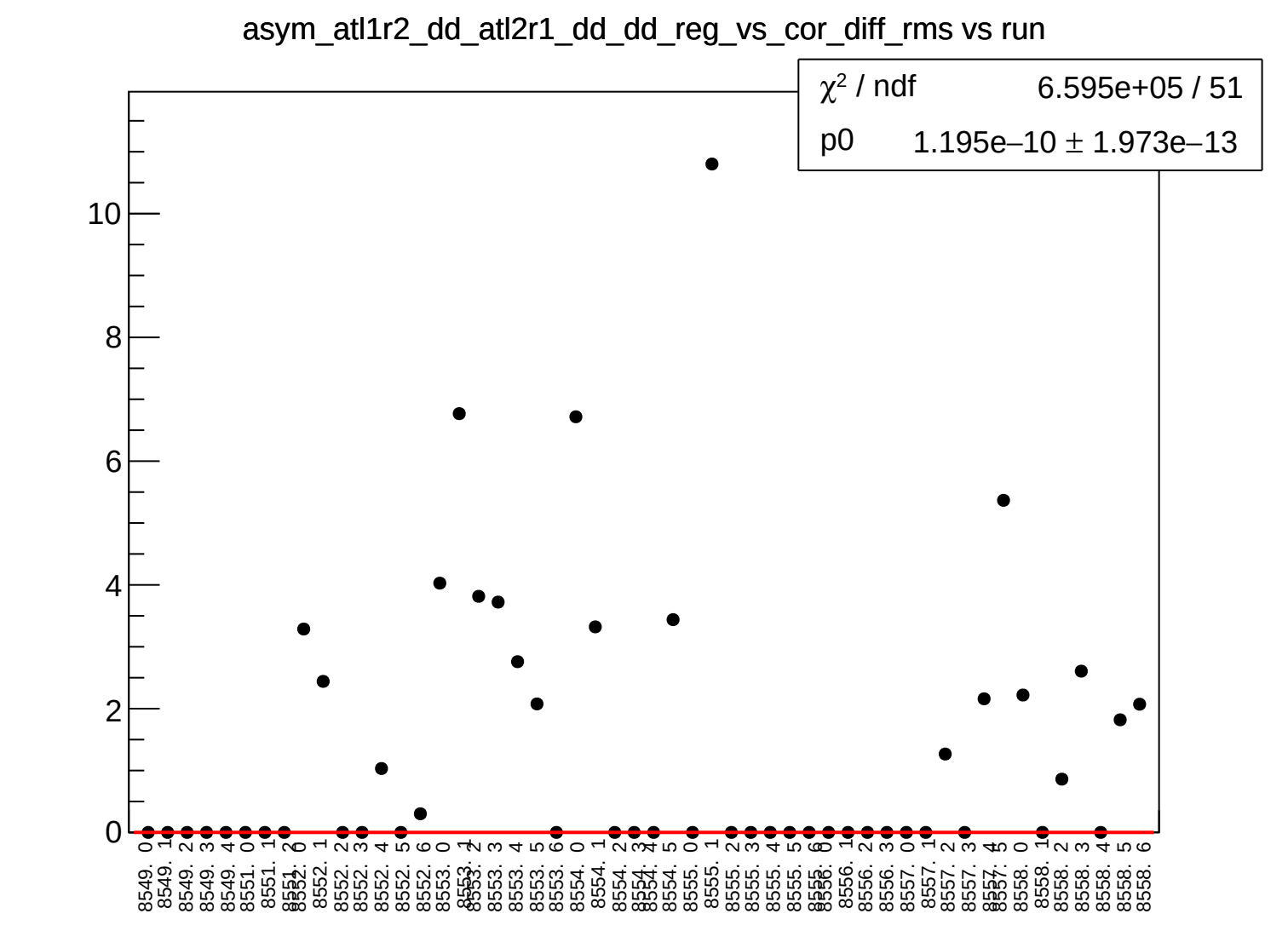
8558. 6


asym_atl1r2_dd_atl2r1_dd_dd_reg_vs_cor_diff_mean vs run
χ² / ndf 74.85 / 51
p0 6.601e−14 ± 2.79e−13
0.15
0.1
0.05
0
−0.05
−0.1
pull
Entries 52
Mean 37.04
Std Dev 19.38
pull1D
Entries 52
Mean −0.1802
Std Dev 1.186
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


asym_atl1r2_dd_atl2r1_dd_dd_reg_vs_cor_diff_rms vs run
χ² / ndf 6.595e+05 / 51
p0 1.195e−10 ± 1.973e−13
0
2
4
6
8
10
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8549. 5
8549. 6
8550. 0
8551. 1
8551. 2
8551. 3
8551. 4
8551. 5
8551. 6
8552. 0
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 1
8553. 2
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 3
8554. 4
8554. 5
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8555. 6
8556. 0
8556. 1
8556. 2
8556. 3
8556. 4
8557. 0
8557. 1
8557. 2
8557. 3
8557. 4
8557. 5
8558. 0
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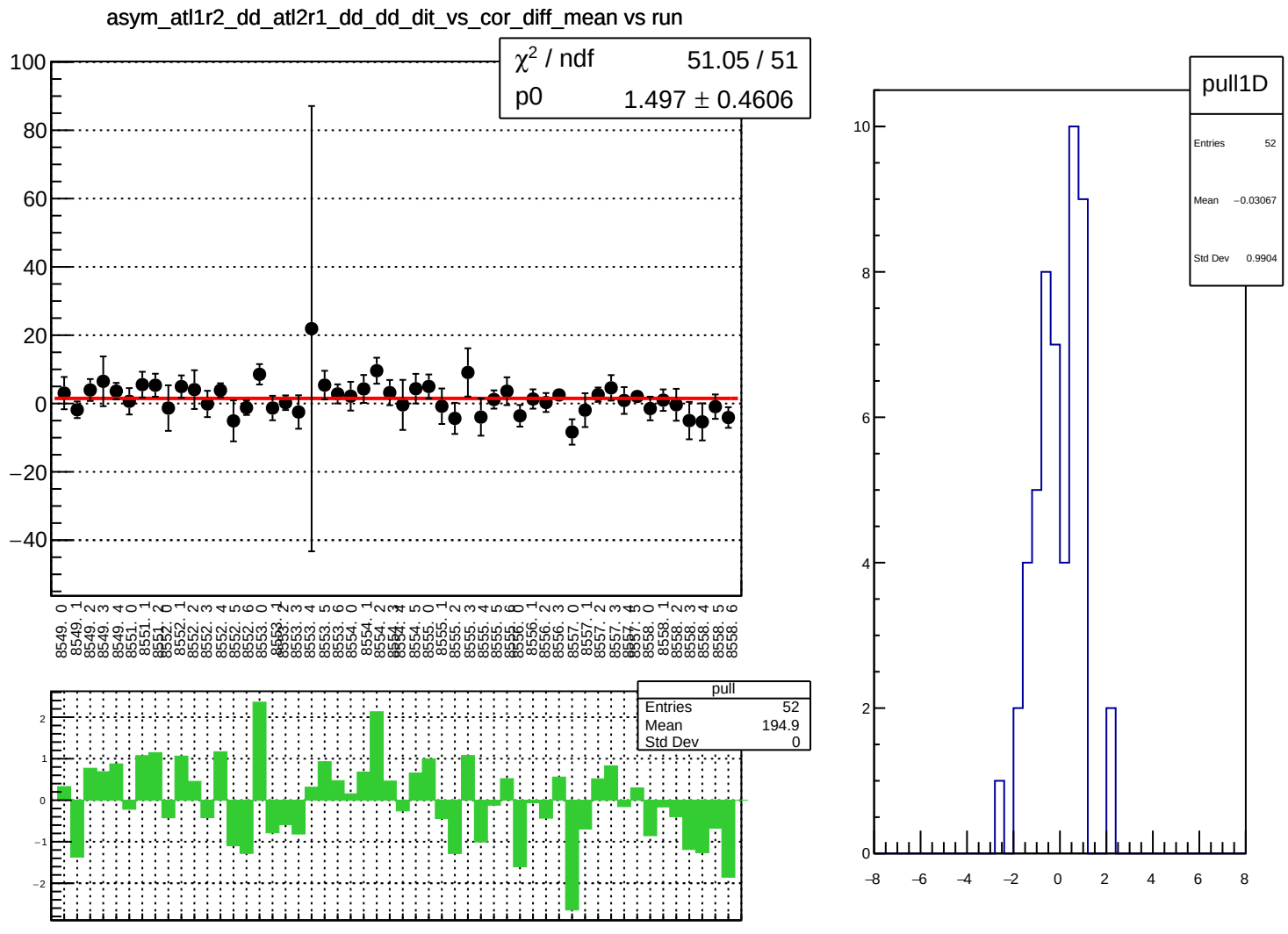
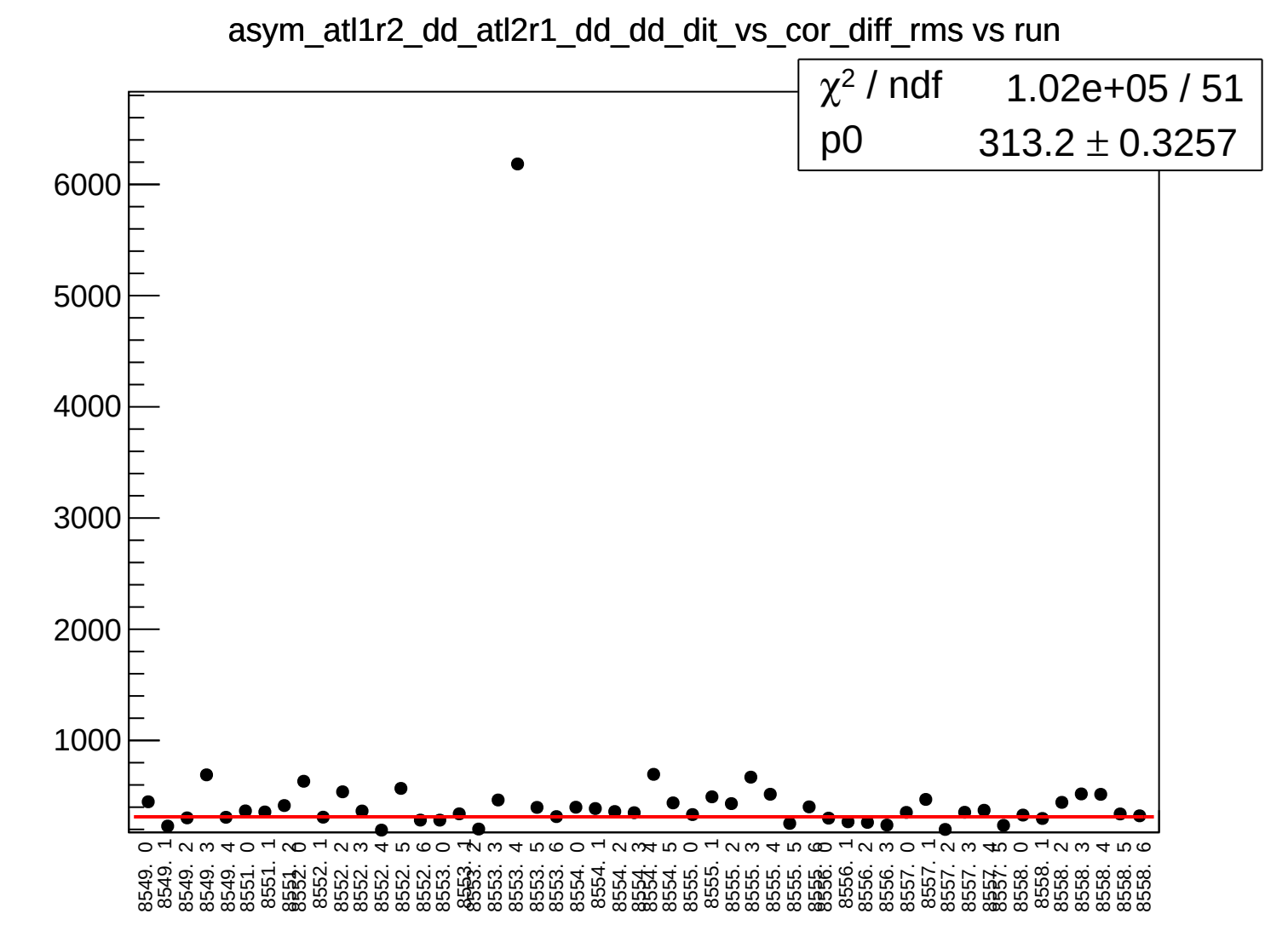
8558. 5
8558. 6


asym_atl1r2_dd_atl2r1_dd_dd_dit_vs_cor_diff_mean vs run
χ² / ndf 51.05 / 51
p0 1.497 ± 0.4606
pull
Entries 52
Mean 194.9
Std Dev 0
pull1D
Entries 52
Mean −0.03067
Std Dev 0.9904


asym_atl1r2_dd_atl2r1_dd_dd_dit_vs_cor_diff_rms vs run
χ² / ndf 1.02e+05 / 51
p0 313.2 ± 0.3257
6000
5000
4000
3000
2000
1000
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
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8557. 3
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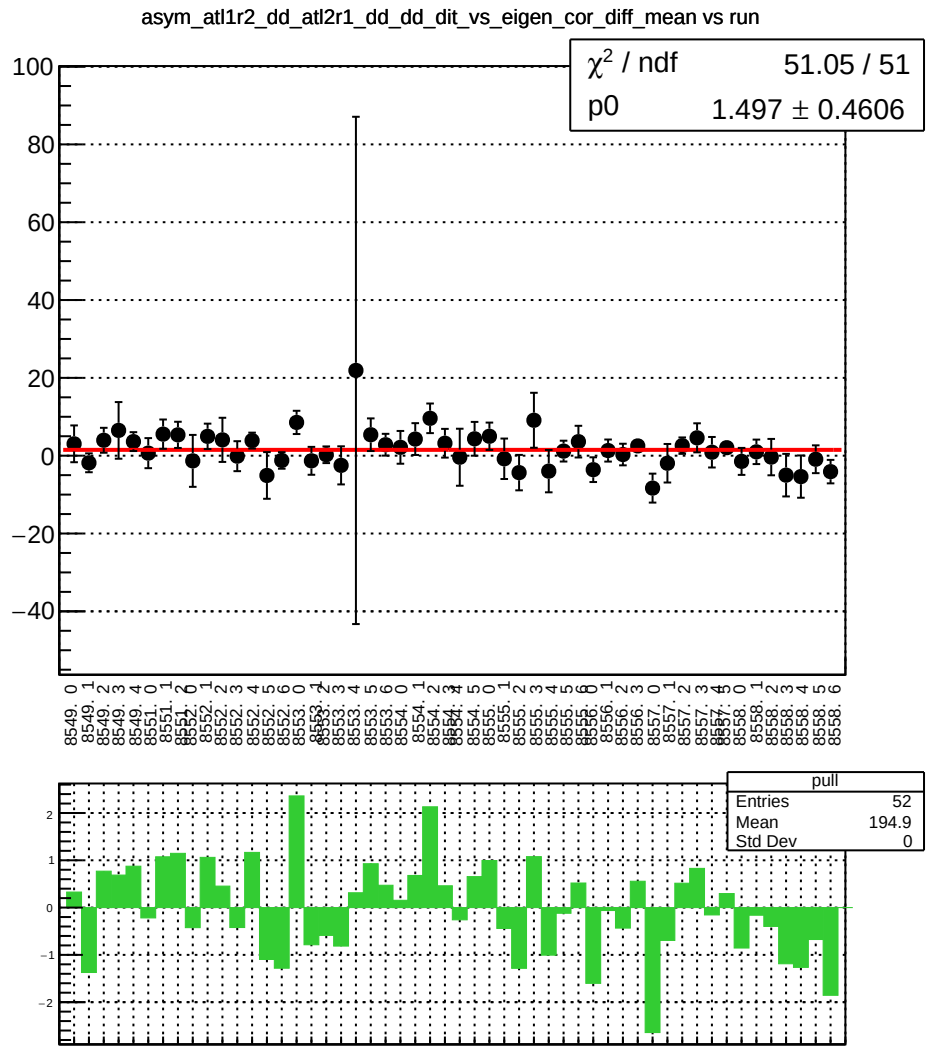
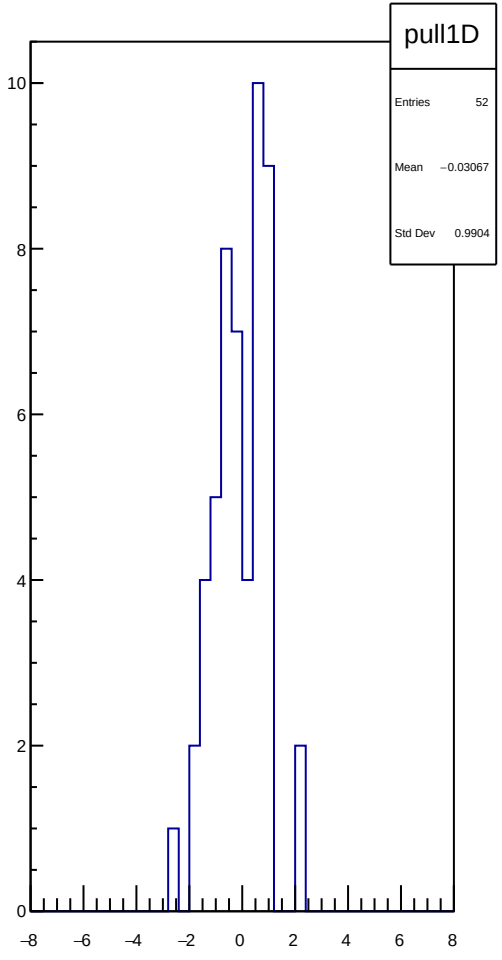
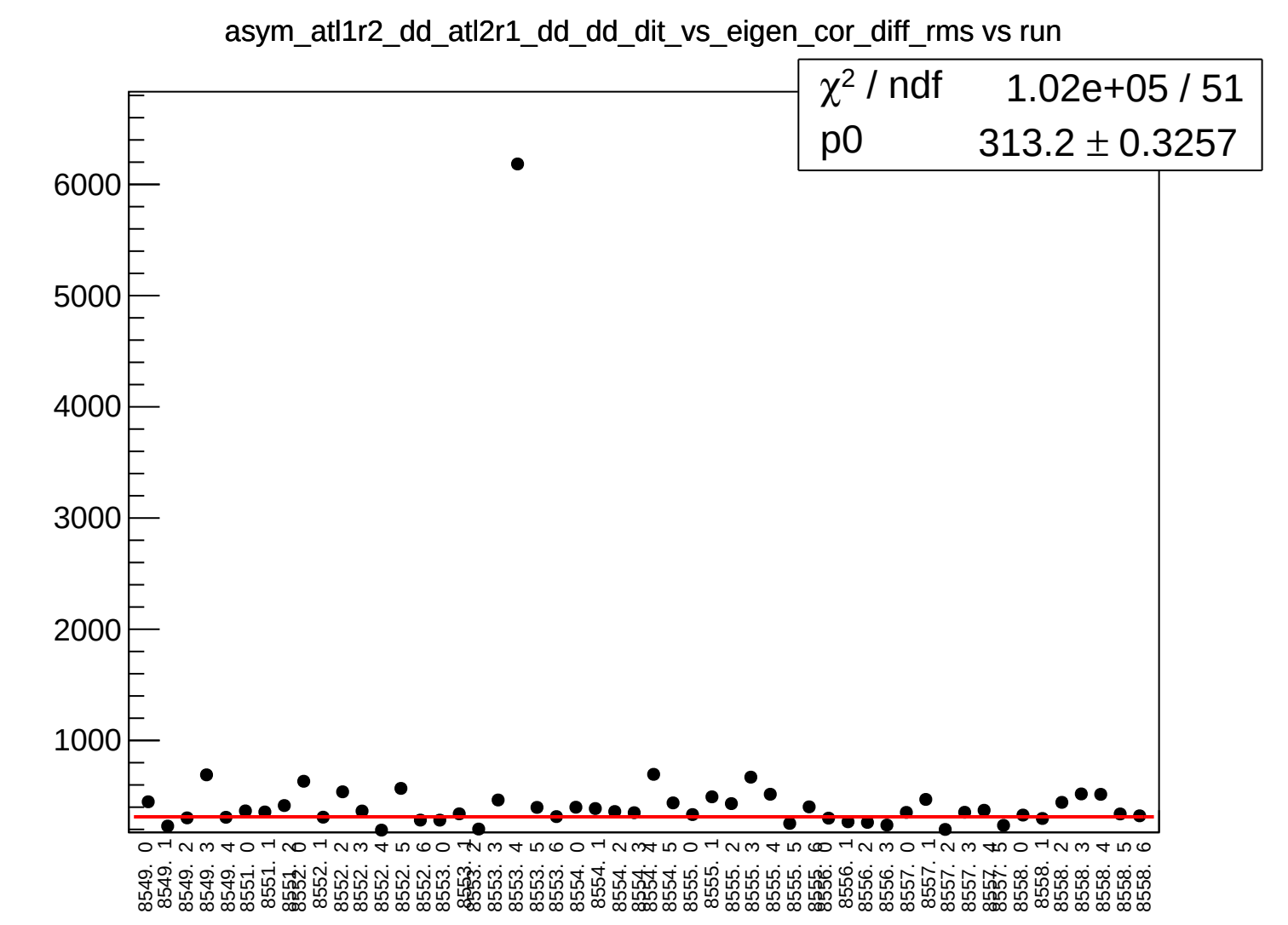
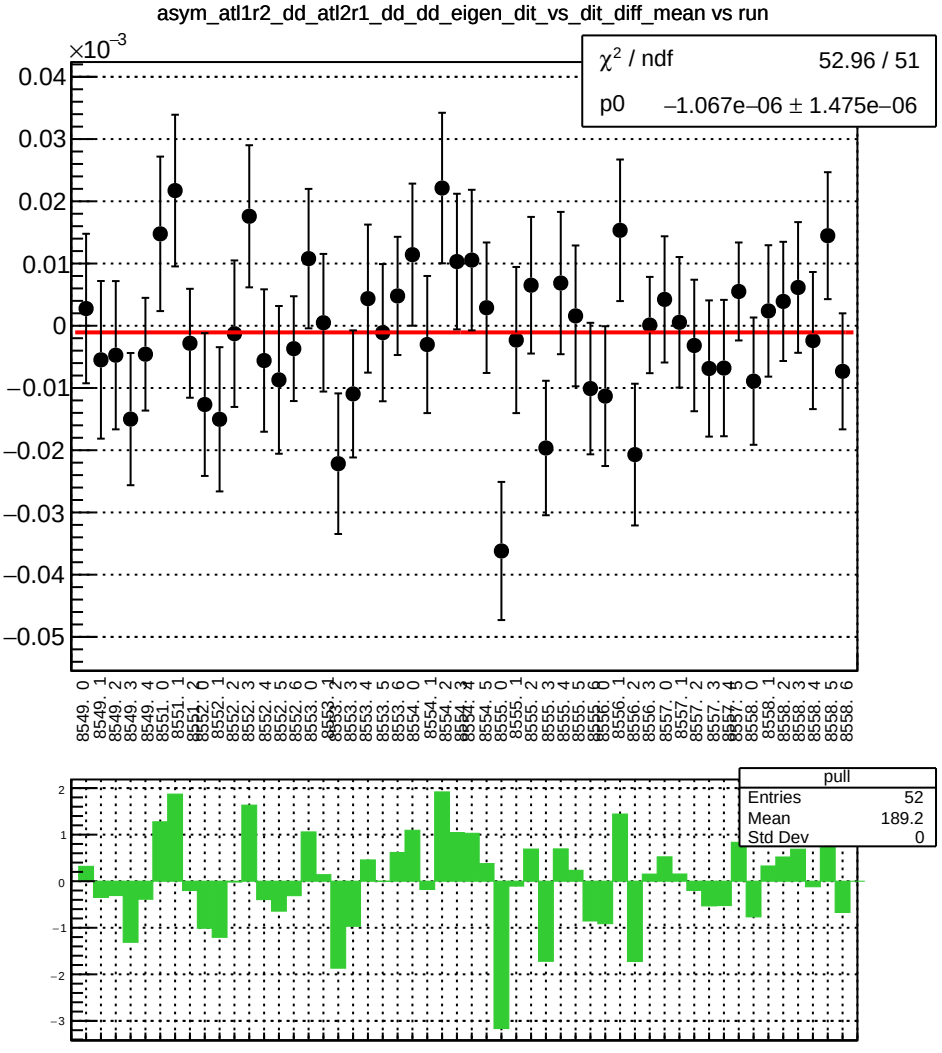
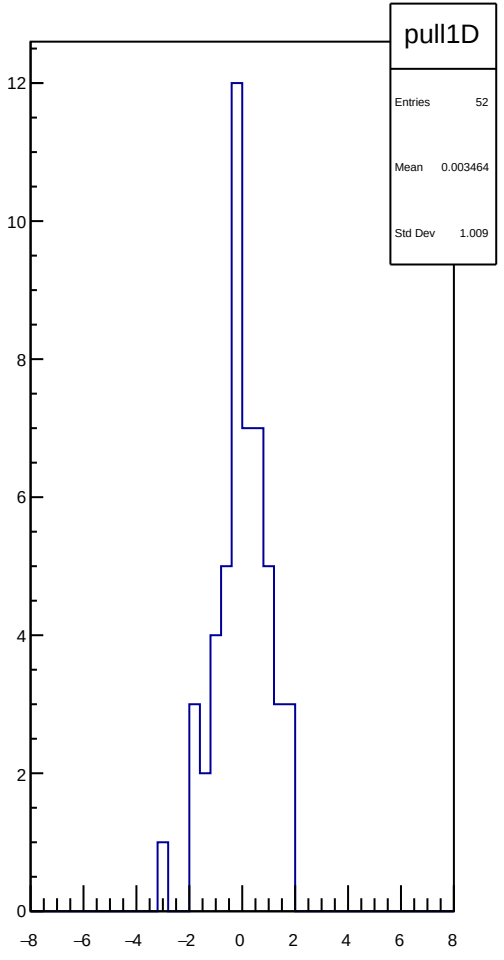
8558. 5
8558. 6

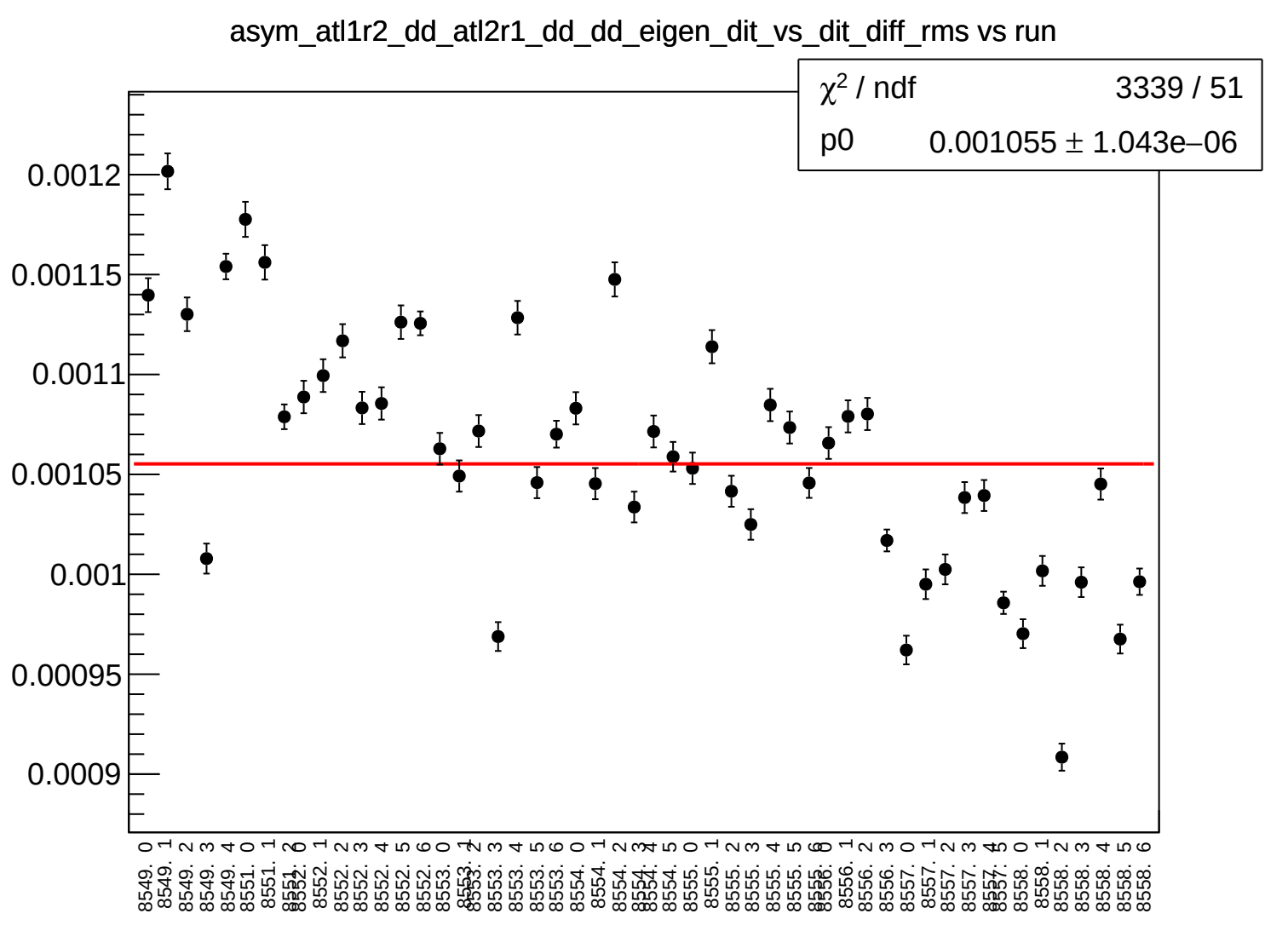

asym_atl1r2_dd_atl2r1_dd_dd_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 51.05 / 51
p0 1.497 ± 0.4606
pull
Entries 52
Mean 194.9
Std Dev 0

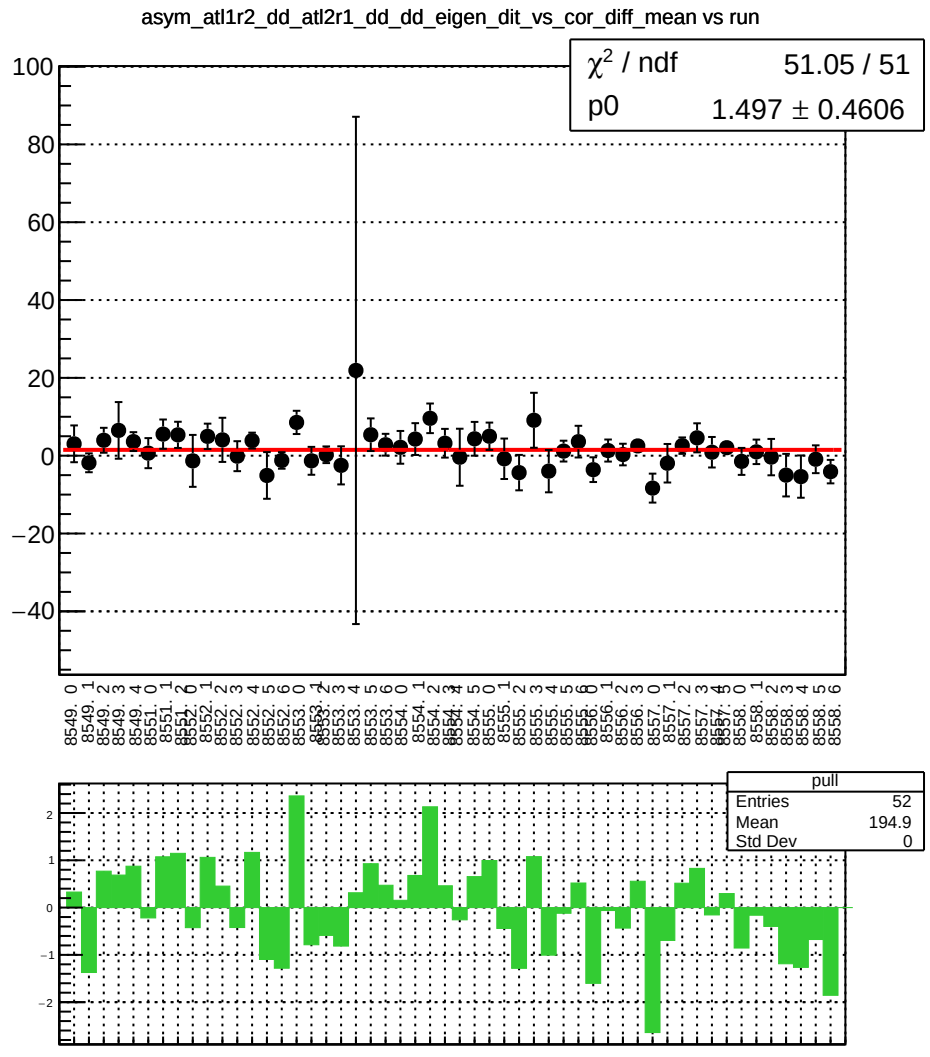

pull1D
Entries 52
Mean −0.03067
Std Dev 0.9904

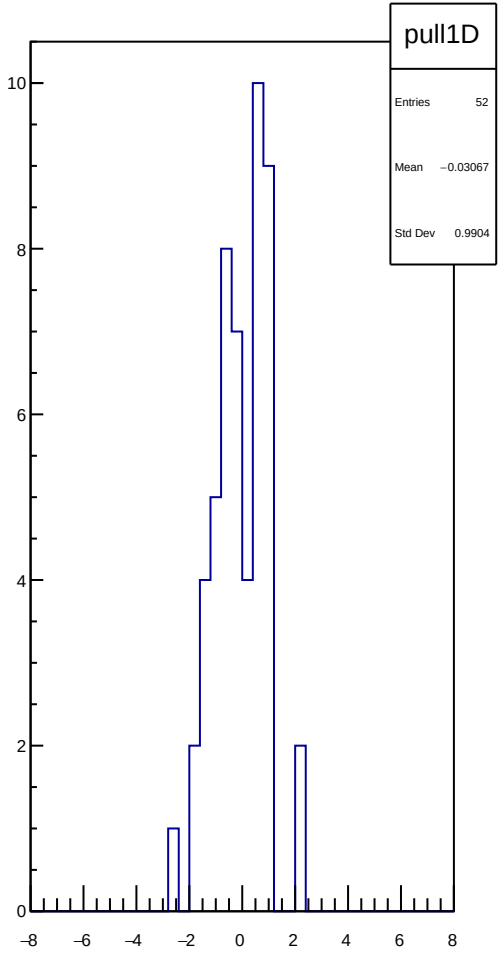

asym_atl1r2_dd_atl2r1_dd_dd_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.02e+05 / 51
p0 313.2 ± 0.3257
6000
5000
4000
3000
2000
1000
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 0
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 5
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

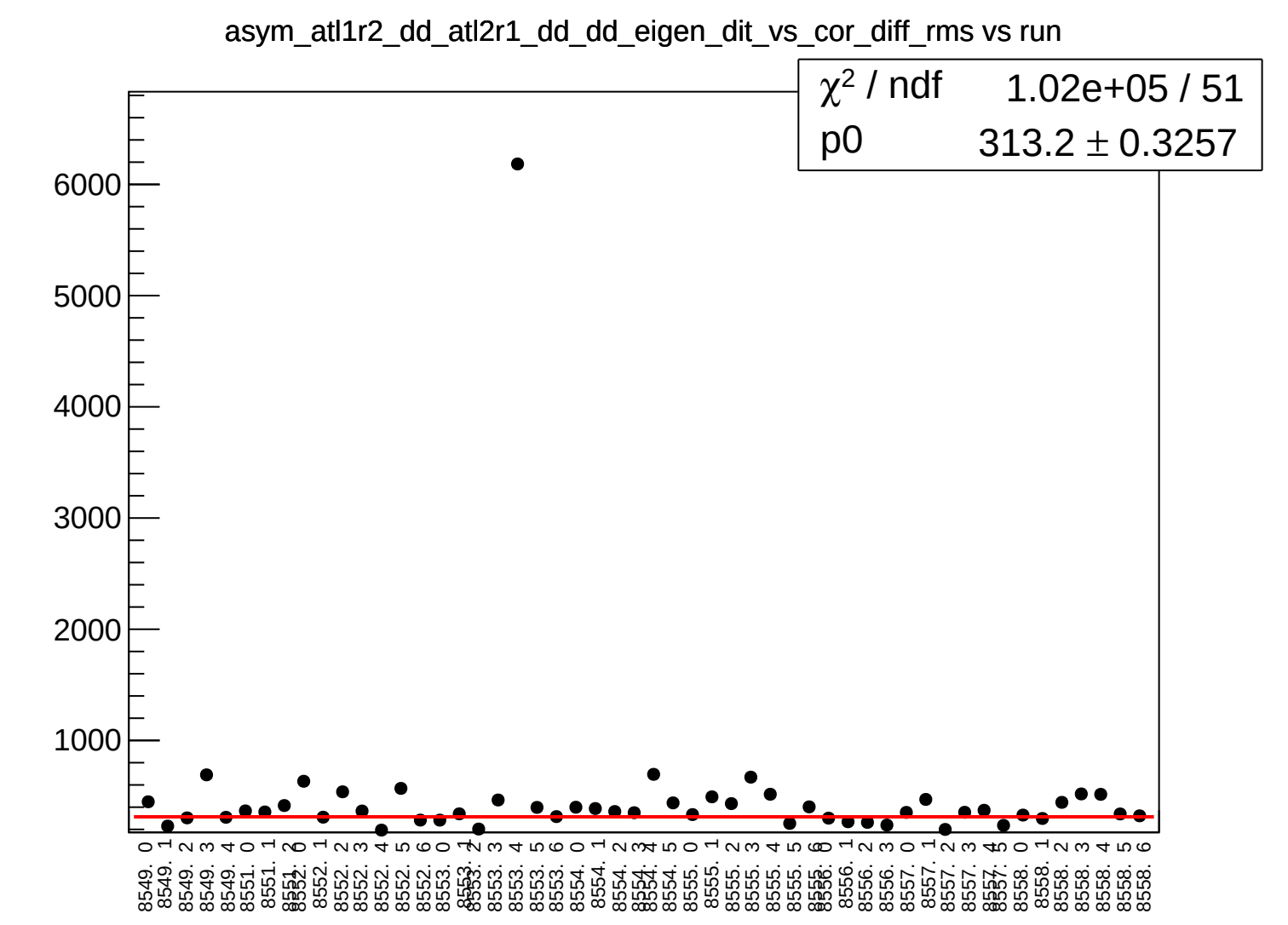

asym_atl1r2_dd_atl2r1_dd_dd_eigen_dit_vs_dit_diff_mean vs run
×10^−3
χ² / ndf 52.96 / 51
p0 −1.067e−06 ± 1.475e−06
pull
Entries 52
Mean 189.2
Std Dev 0


pull1D
Entries 52
Mean 0.003464
Std Dev 1.009


asym_atl1r2_dd_atl2r1_dd_dd_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 3339 / 51
p0 0.001055 ± 1.043e−06
0.0012
0.00115
0.0011
0.00105
0.001
0.00095
0.0009
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6


asym_atl1r2_dd_atl2r1_dd_dd_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 51.05 / 51
p0 1.497 ± 0.4606
pull
Entries 52
Mean 194.9
Std Dev 0


pull1D
Entries 52
Mean −0.03067
Std Dev 0.9904


asym_atl1r2_dd_atl2r1_dd_dd_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 1.02e+05 / 51
p0 313.2 ± 0.3257
6000
5000
4000
3000
2000
1000
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 0
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 5
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
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8558. 0
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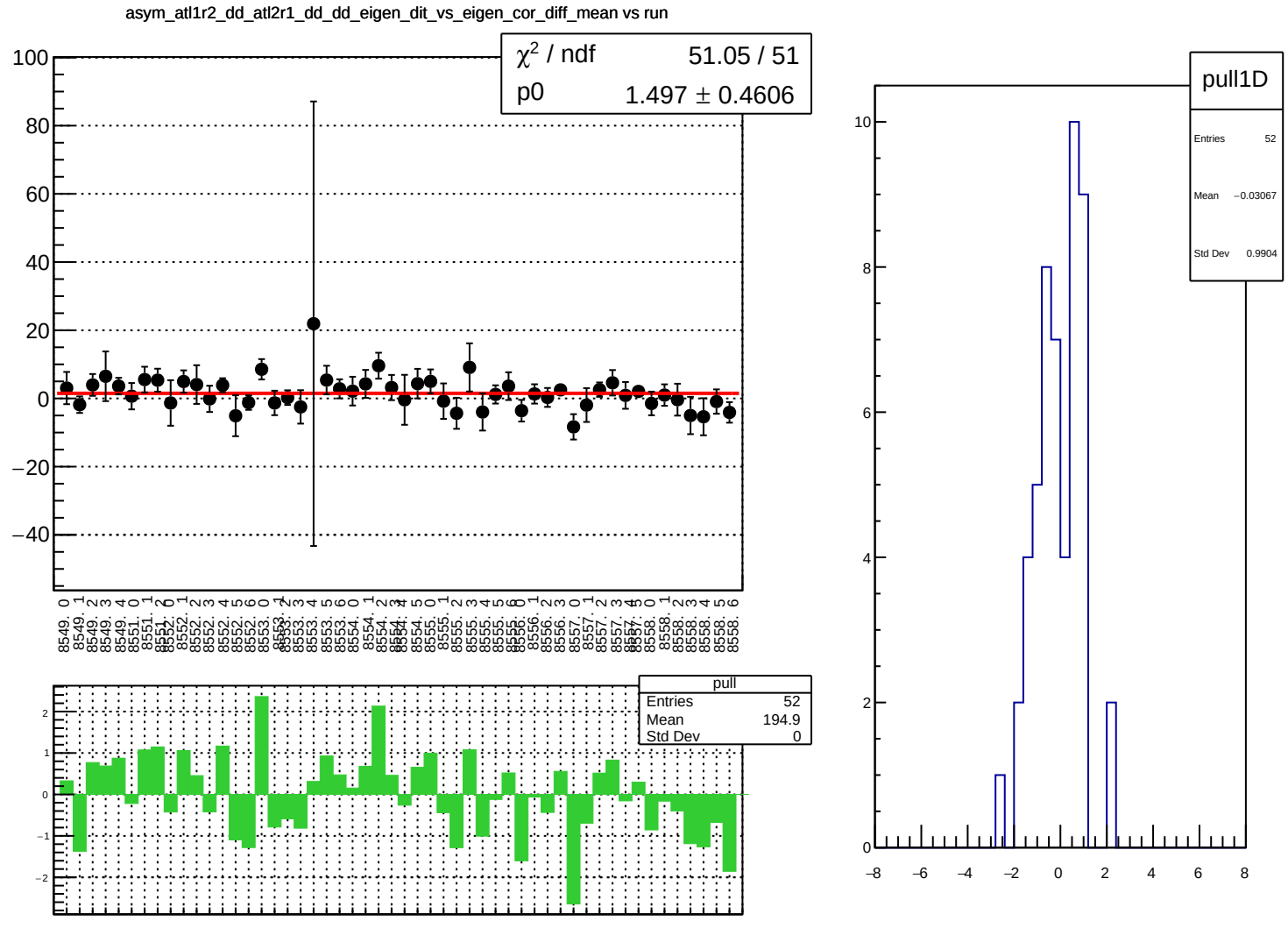
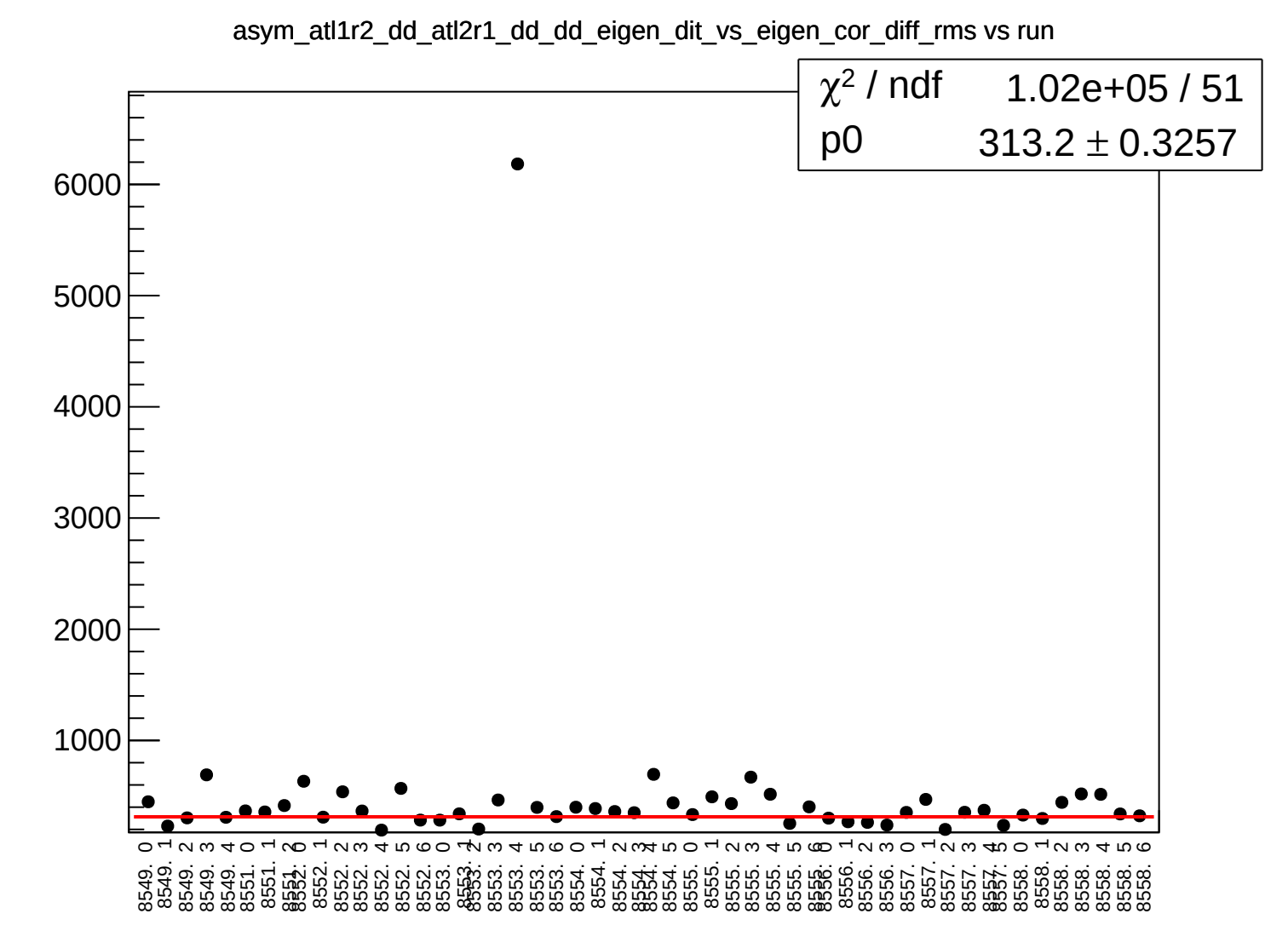
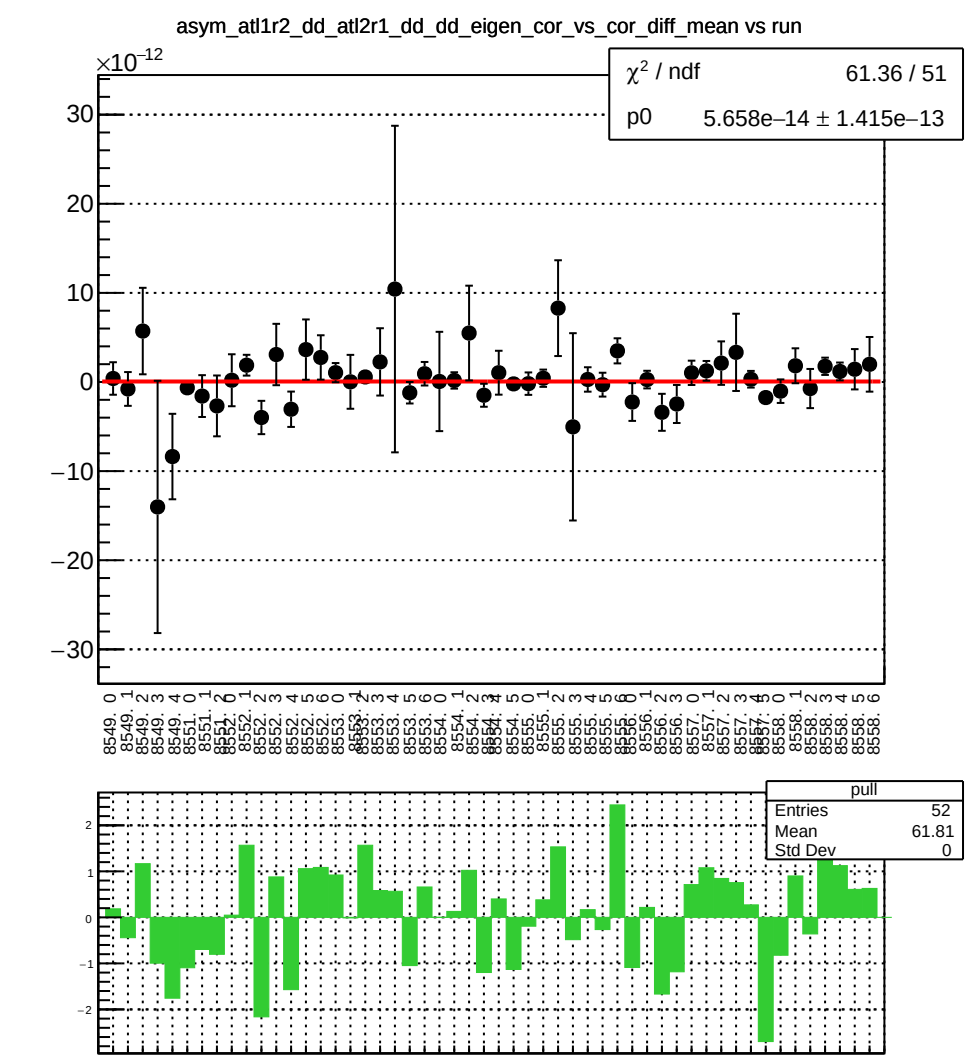
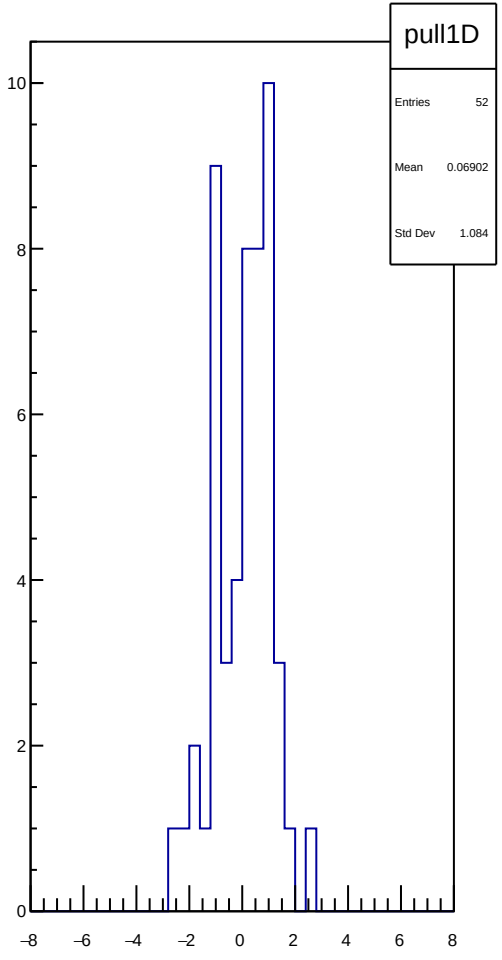
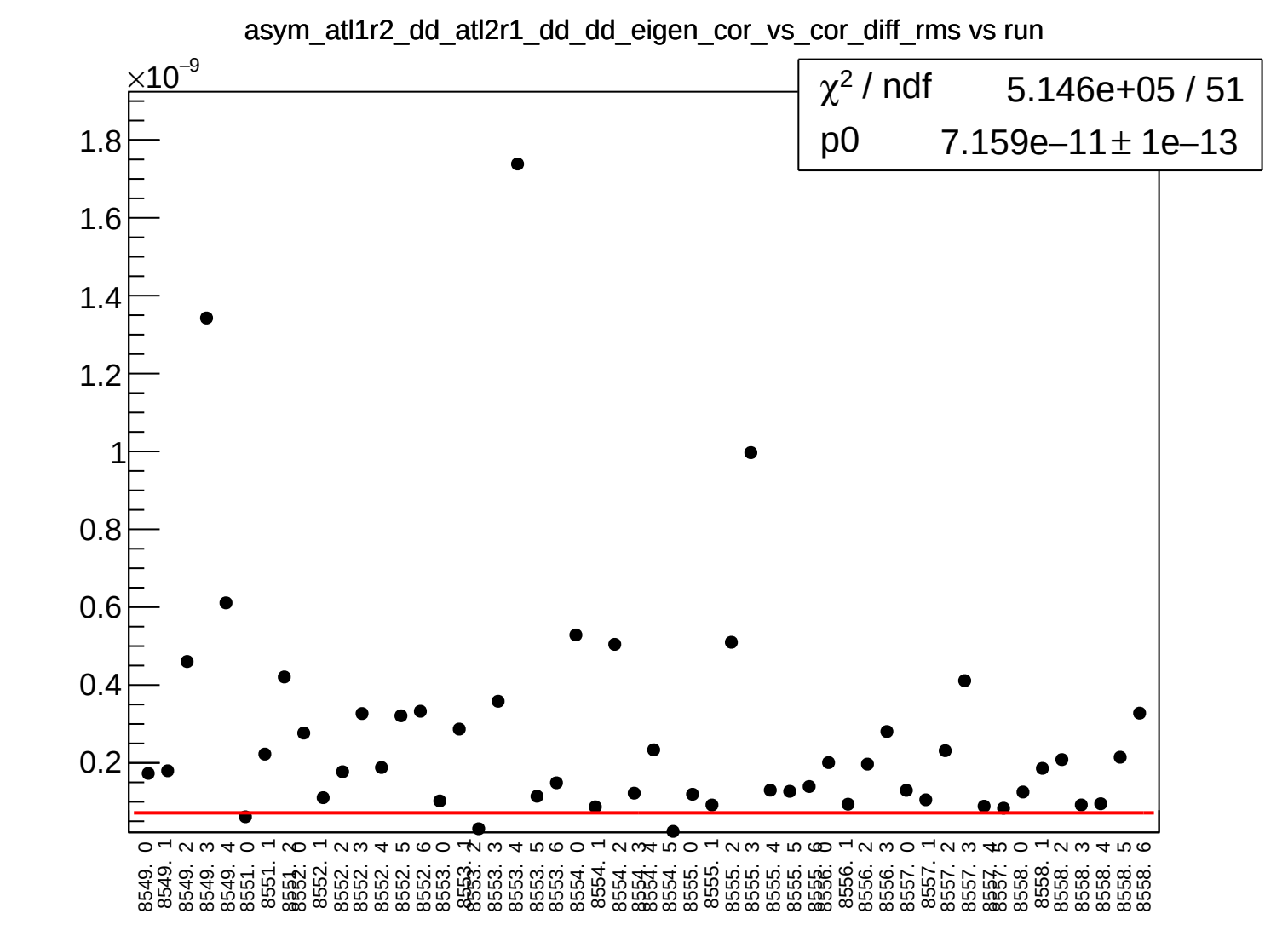
8558. 4
8558. 5
8558. 6

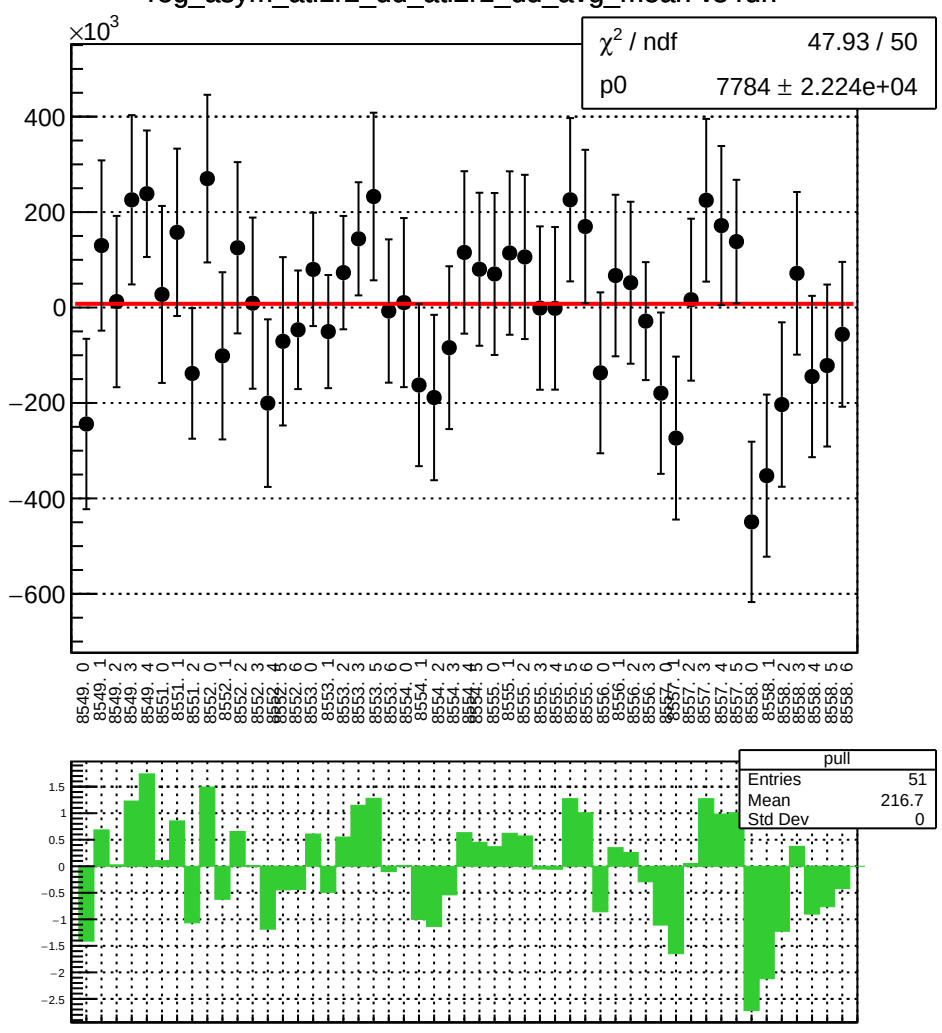

asym_atl1r2_dd_atl2r1_dd_dd_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 51.05 / 51
p0 1.497 ± 0.4606
pull
Entries 52
Mean 194.9
Std Dev 0
pull1D
Entries 52
Mean −0.03067
Std Dev 0.9904

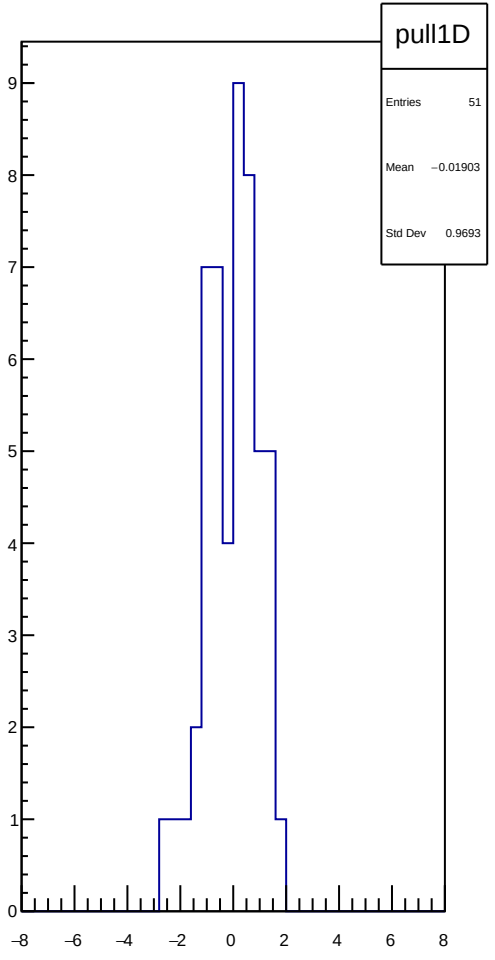

asym_atl1r2_dd_atl2r1_dd_dd_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.02e+05 / 51
p0 313.2 ± 0.3257
6000
5000
4000
3000
2000
1000
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 0
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 5
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

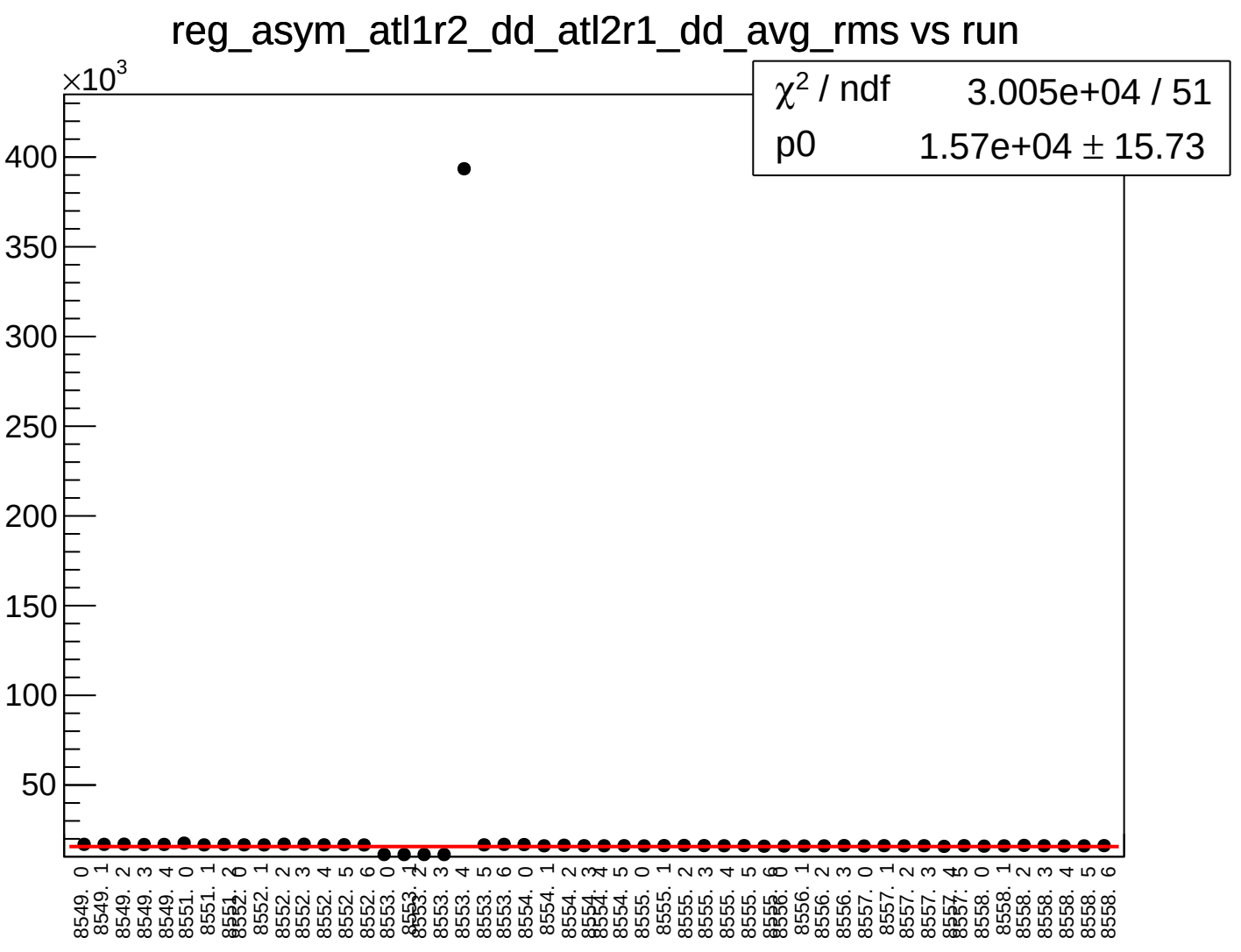

asym_atl1r2_dd_atl2r1_dd_dd_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 61.36 / 51
p0 5.658e−14 ± 1.415e−13
pull
Entries 52
Mean 61.81
Std Dev 0


pull1D
Entries 52
Mean 0.06902
Std Dev 1.084


asym_atl1r2_dd_atl2r1_dd_dd_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 5.146e+05 / 51
p0 7.159e−11 ± 1e−13
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6


reg_asym_atl1r2_dd_atl2r1_dd_avg_mean vs run
×10^3
χ² / ndf 47.93 / 50
p0 7784 ± 2.224e+04
400
200
0
−200
−400
−600
pull
Entries 51
Mean 216.7
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5


pull1D
Entries 51
Mean −0.01903
Std Dev 0.9693
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_rms vs run
χ² / ndf 3.005e+04 / 51
p0 1.57e+04 ± 15.73
×10³
400
350
300
250
200
150
100
50
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 5
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
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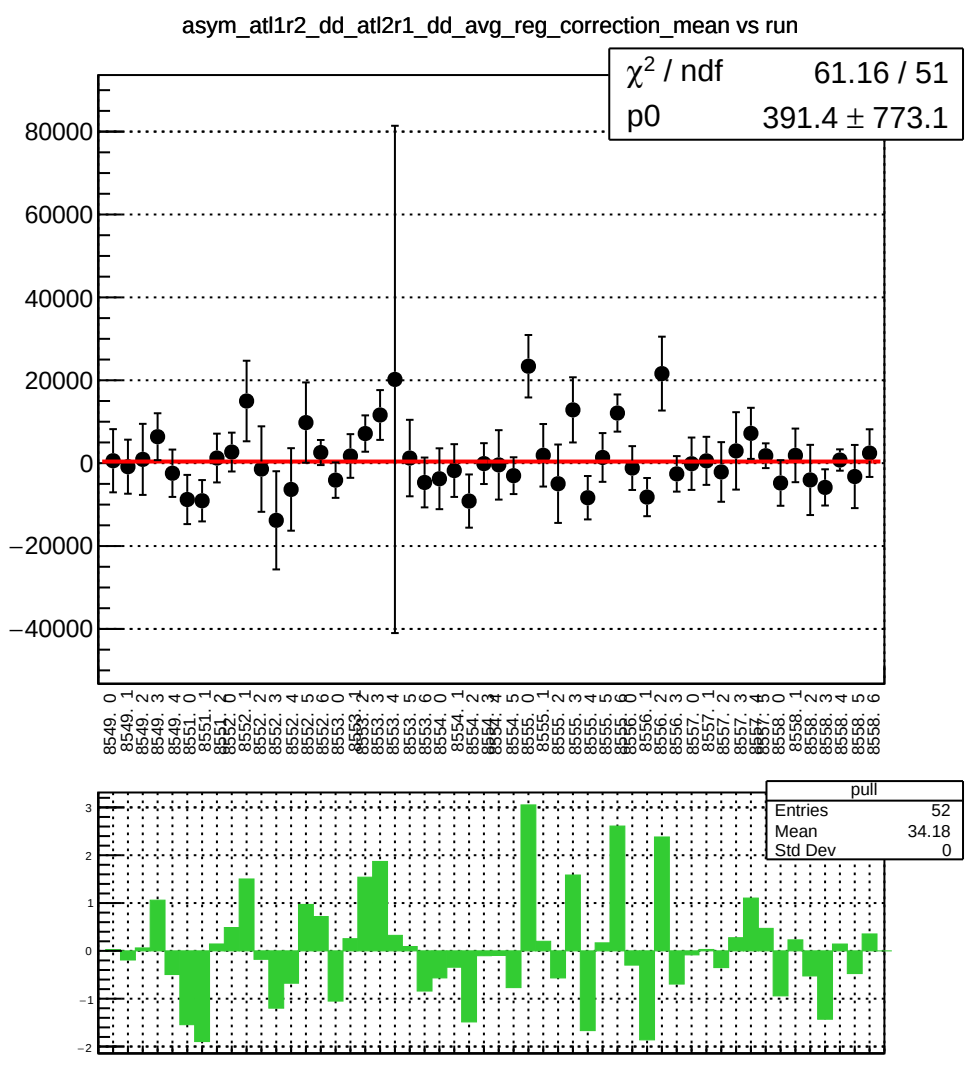
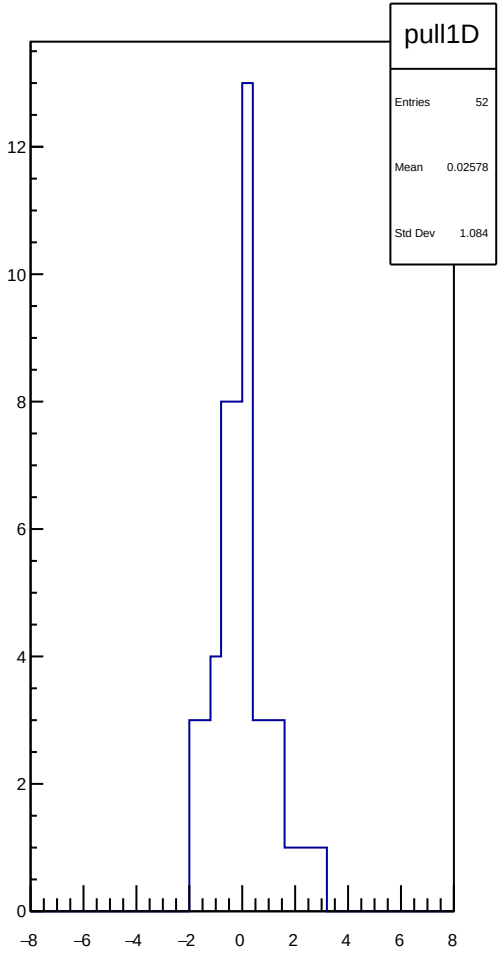
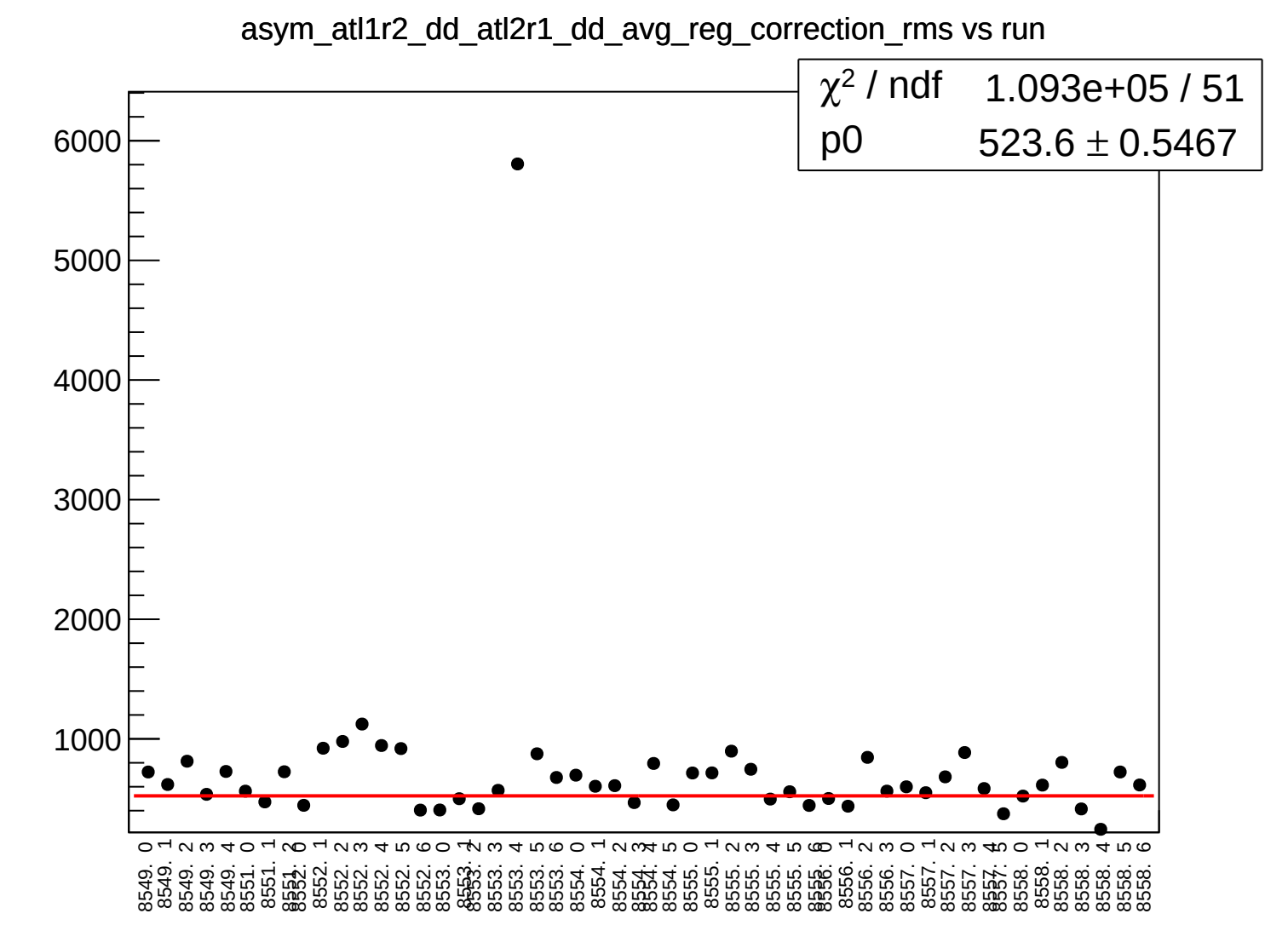
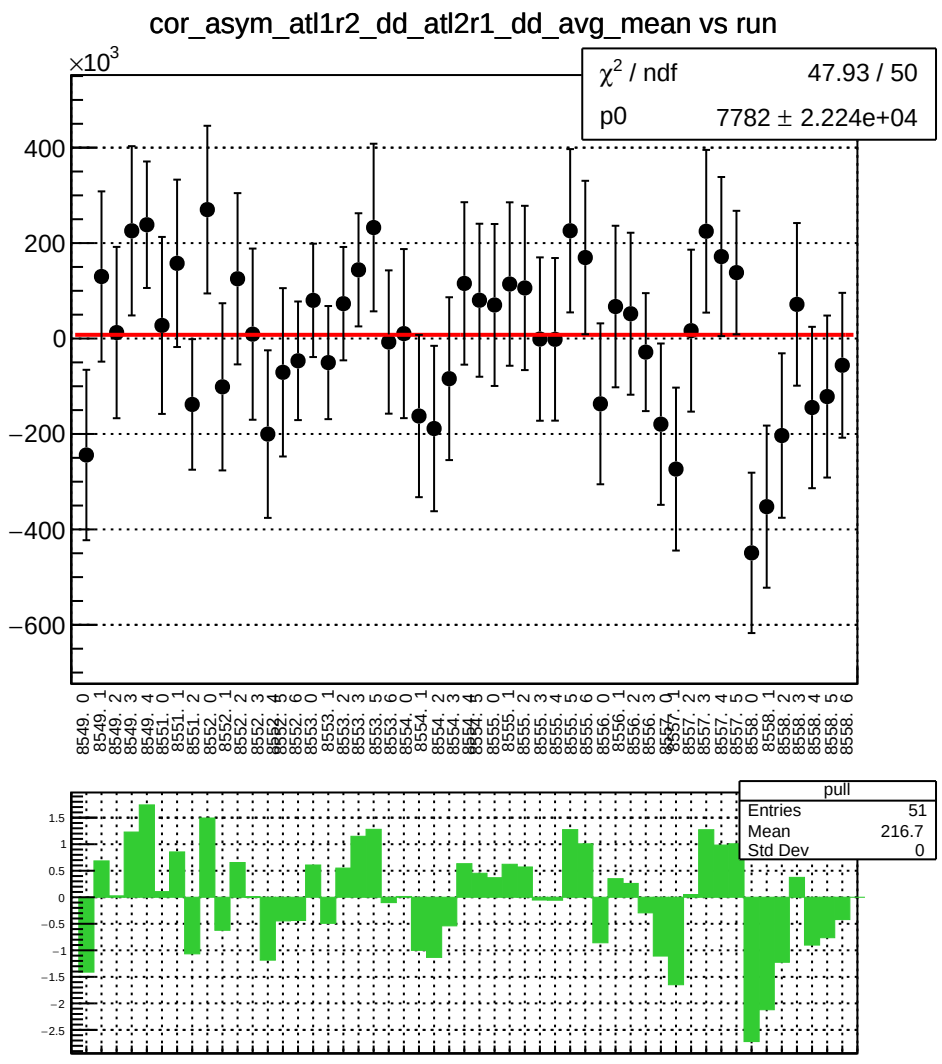
8558. 5
8558. 6


asym_atl1r2_dd_atl2r1_dd_avg_reg_correction_mean vs run
χ² / ndf 61.16 / 51
p0 391.4 ± 773.1
pull
Entries 52
Mean 34.18
Std Dev 0


pull1D
Entries 52
Mean 0.02578
Std Dev 1.084


asym_atl1r2_dd_atl2r1_dd_avg_reg_correction_rms vs run
χ² / ndf 1.093e+05 / 51
p0 523.6 ± 0.5467
6000
5000
4000
3000
2000
1000
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6


cor_asym_atl1r2_dd_atl2r1_dd_avg_mean vs run
×10^3
χ² / ndf 47.93 / 50
p0 7782 ± 2.224e+04
400
200
0
−200
−400
−600
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8551. 2
8552. 0
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 1
8553. 2
8553. 3
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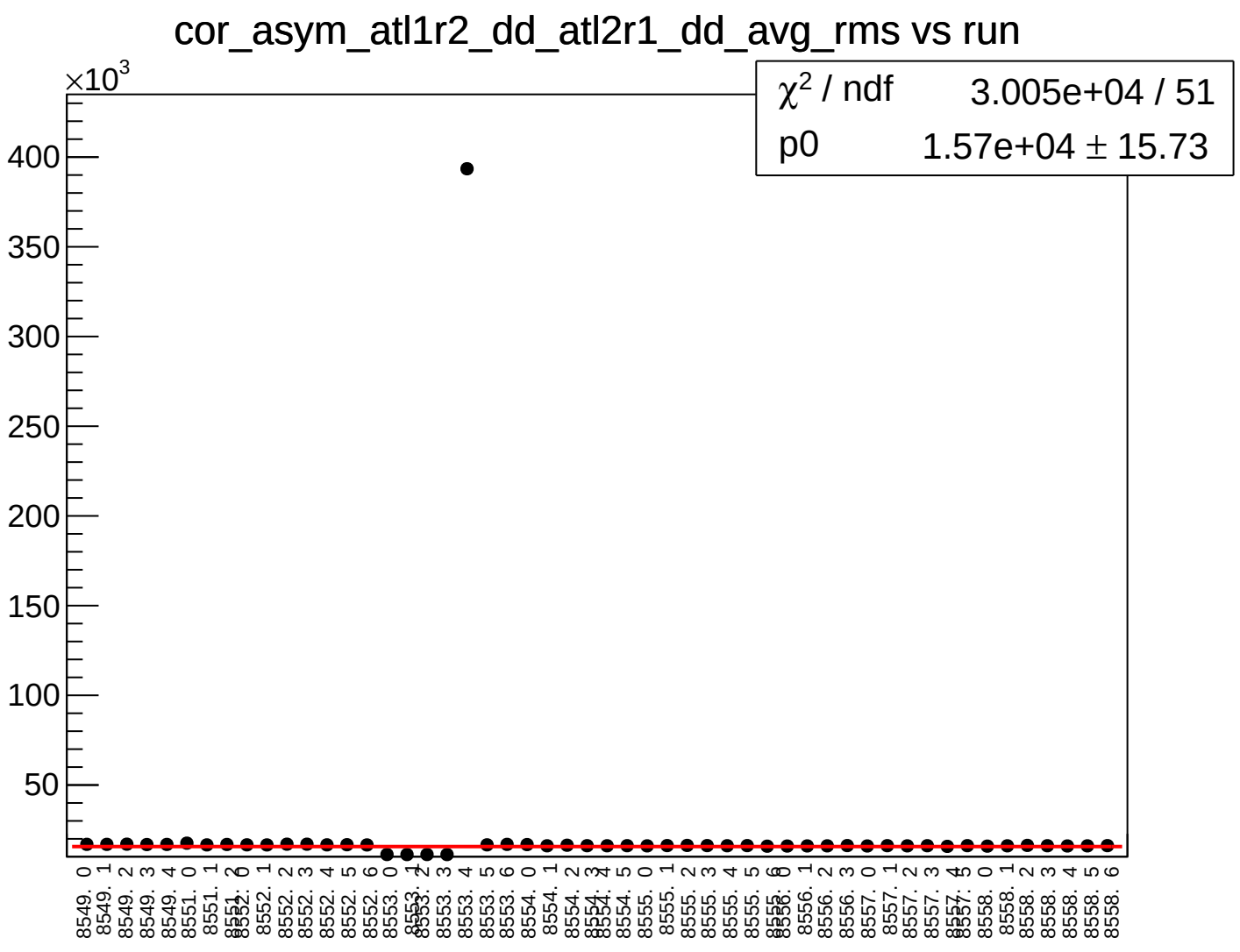
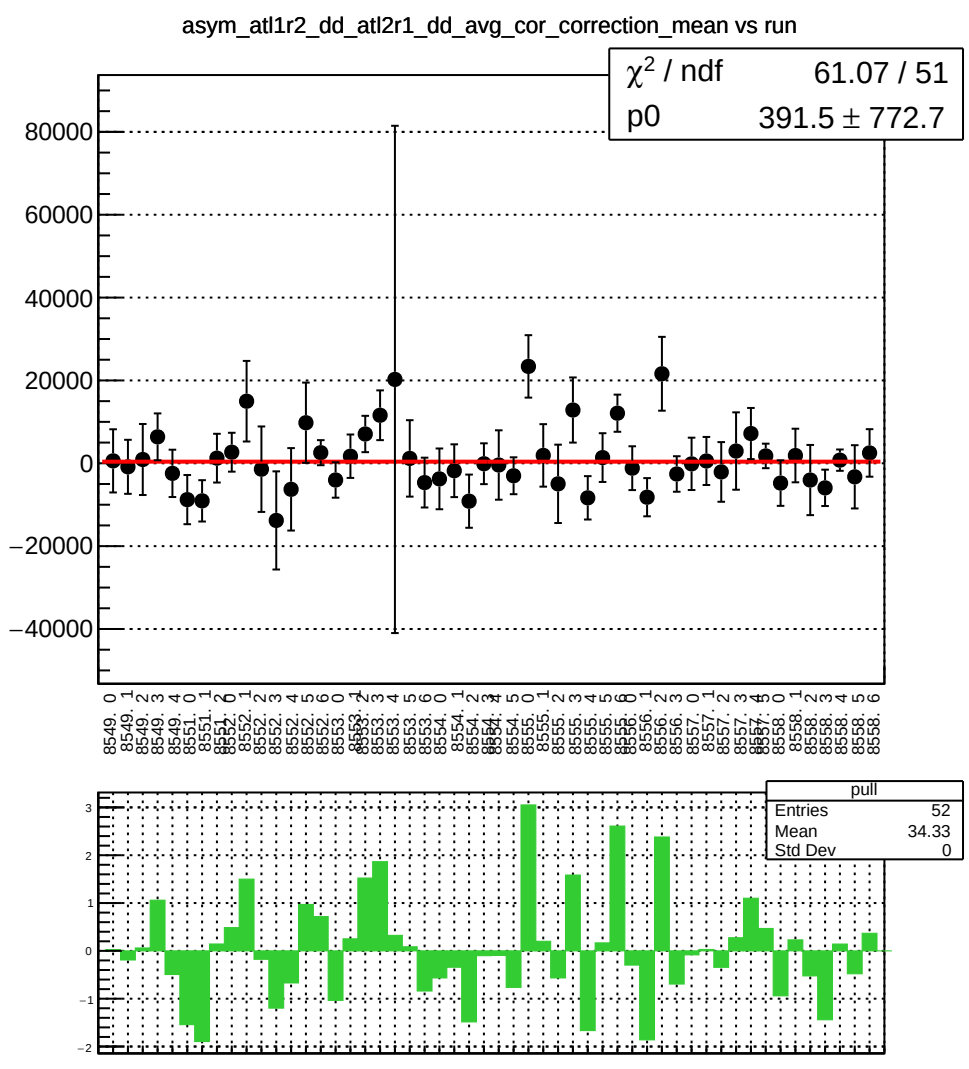
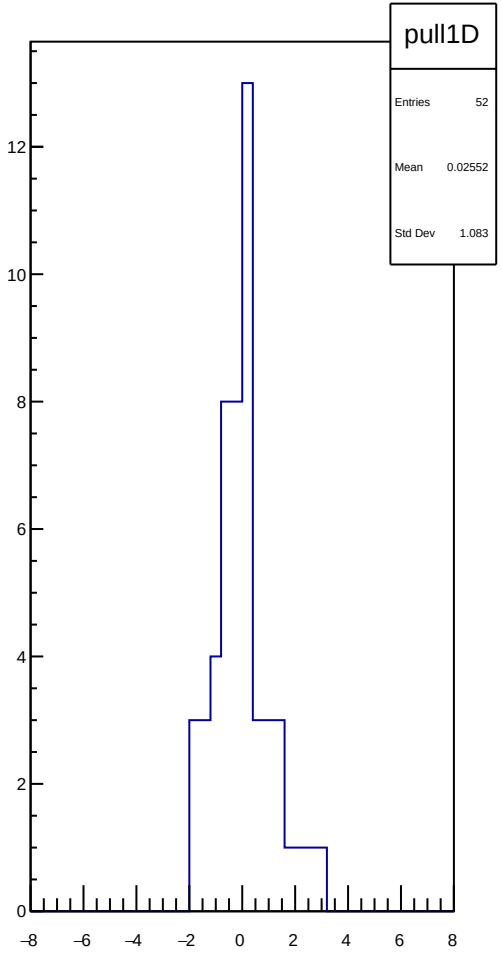
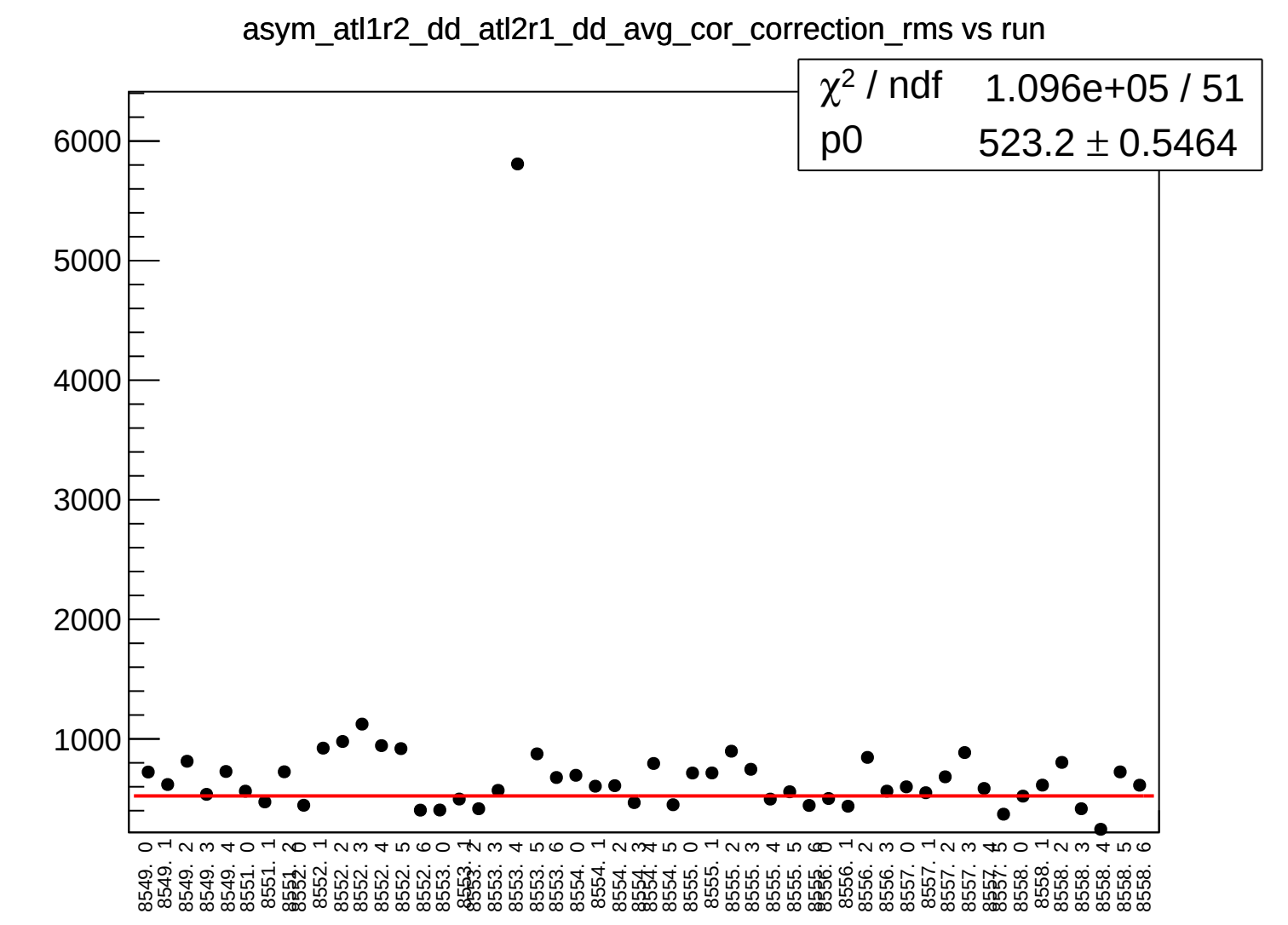
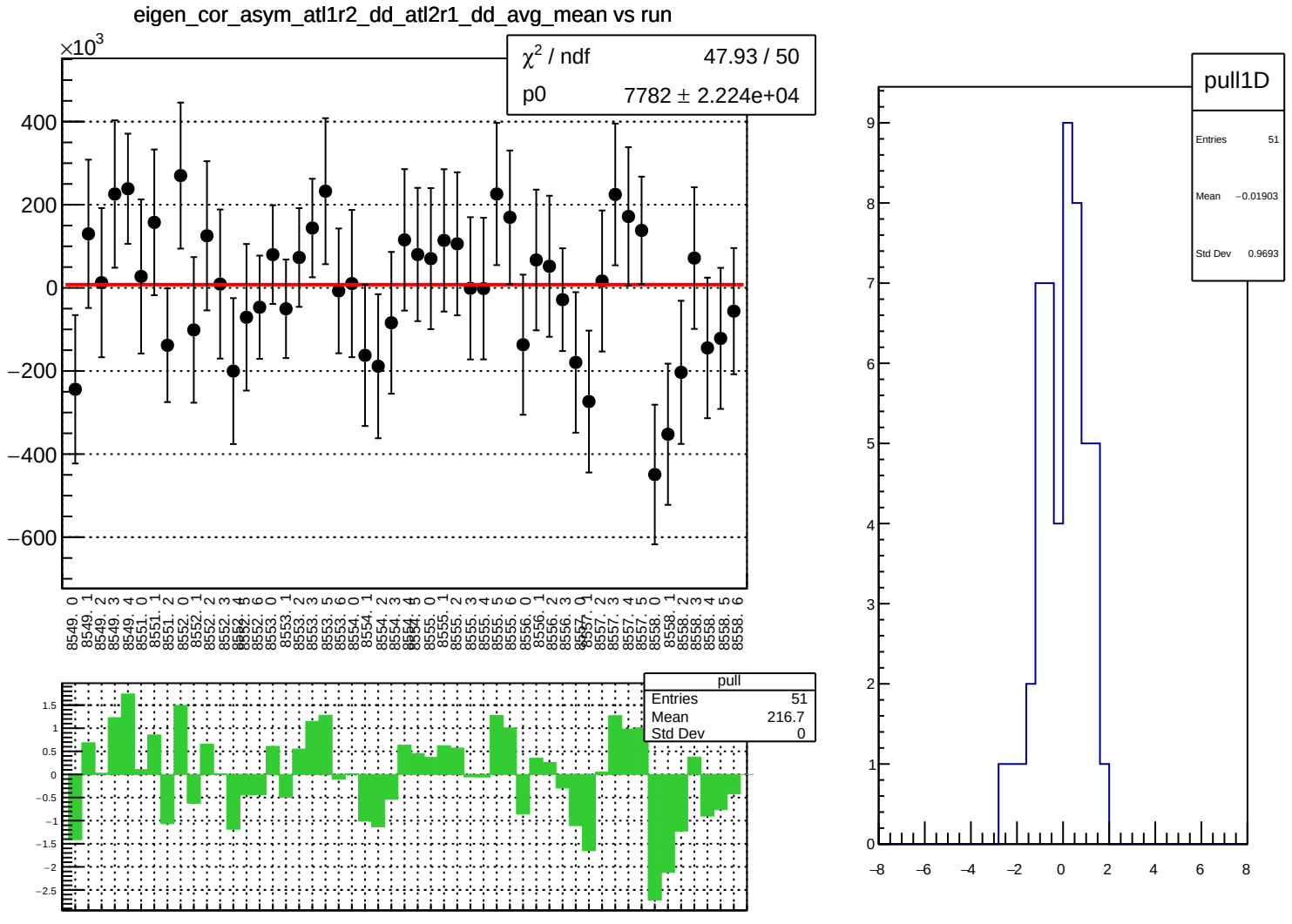
8554. 1
8554. 2
8554. 3
8554. 4
8554. 5
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8555. 6
8556. 0
8556. 1
8556. 2
8556. 3
8556. 4
8557. 0
8557. 1
8557. 2
8557. 3
8557. 4
8557. 5
8557. 6
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6
pull
Entries 51
Mean 216.7
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5
pull1D
Entries 51
Mean −0.01903
Std Dev 0.9693
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

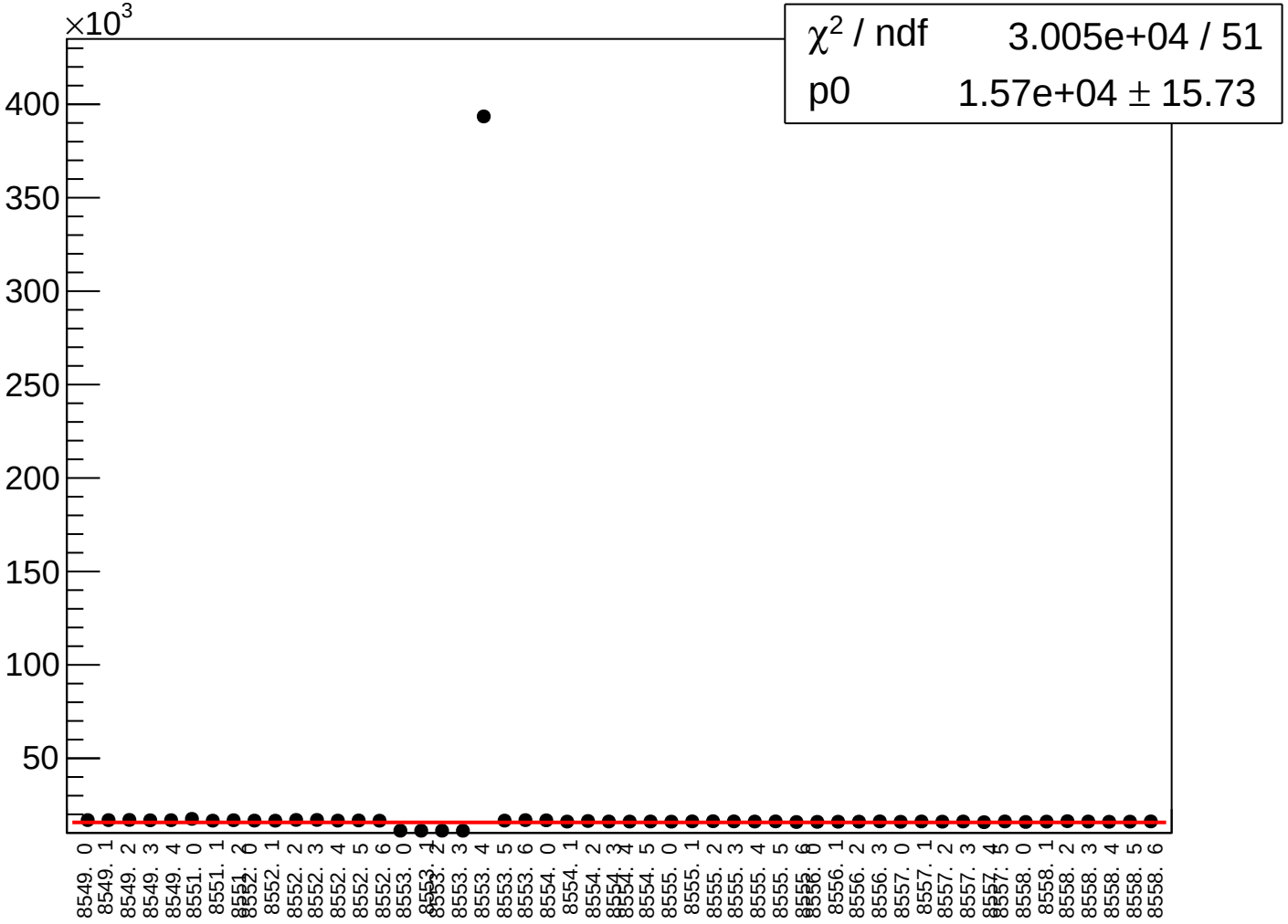

cor_asym_atl1r2_dd_atl2r1_dd_avg_rms vs run
×10^3
400
350
300
250
200
150
100
50
χ² / ndf 3.005e+04 / 51
p0 1.57e+04 ± 15.73
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 5
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6


asym_atl1r2_dd_atl2r1_dd_avg_cor_correction_mean vs run
χ² / ndf 61.07 / 51
p0 391.5 ± 772.7
80000
60000
40000
20000
0
−20000
−40000
pull
Entries 52
Mean 34.33
Std Dev 0
3
2
1
0
−1
−2


pull1D
Entries 52
Mean 0.02552
Std Dev 1.083
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


asym_atl1r2_dd_atl2r1_dd_avg_cor_correction_rms vs run
χ² / ndf 1.096e+05 / 51
p0 523.2 ± 0.5464
6000
5000
4000
3000
2000
1000
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6


eigen_cor_asym_atl1r2_dd_atl2r1_dd_avg_mean vs run
×10^3
χ² / ndf 47.93 / 50
p0 7782 ± 2.224e+04
400
200
0
−200
−400
−600
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8551. 2
8552. 0
8552. 1
8552. 2
8552. 3
8552. 4
8552. 6
8553. 0
8553. 1
8553. 2
8553. 3
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 3
8554. 4
8554. 5
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8555. 6
8556. 0
8556. 1
8556. 2
8556. 3
8556. 5
8557. 0
8557. 1
8557. 2
8557. 3
8557. 4
8557. 5
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6
pull
Entries 51
Mean 216.7
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5
pull1D
Entries 51
Mean −0.01903
Std Dev 0.9693
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


eigen_cor_asym_atl1r2_dd_atl2r1_dd_avg_rms vs run
×10^3
χ² / ndf 3.005e+04 / 51
p0 1.57e+04 ± 15.73
400
350
300
250
200
150
100
50
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 0
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 1
8553. 2
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 3
8554. 4
8554. 5
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
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8558. 0
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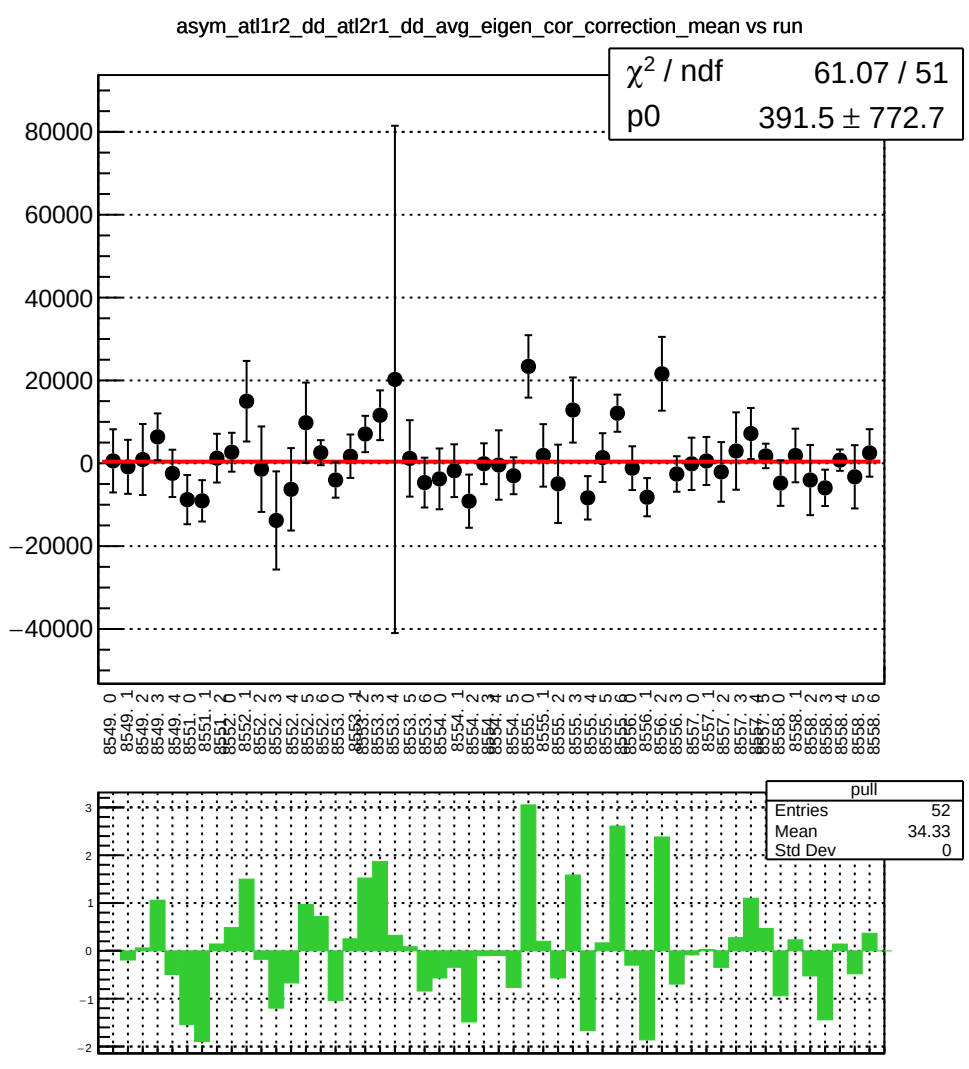
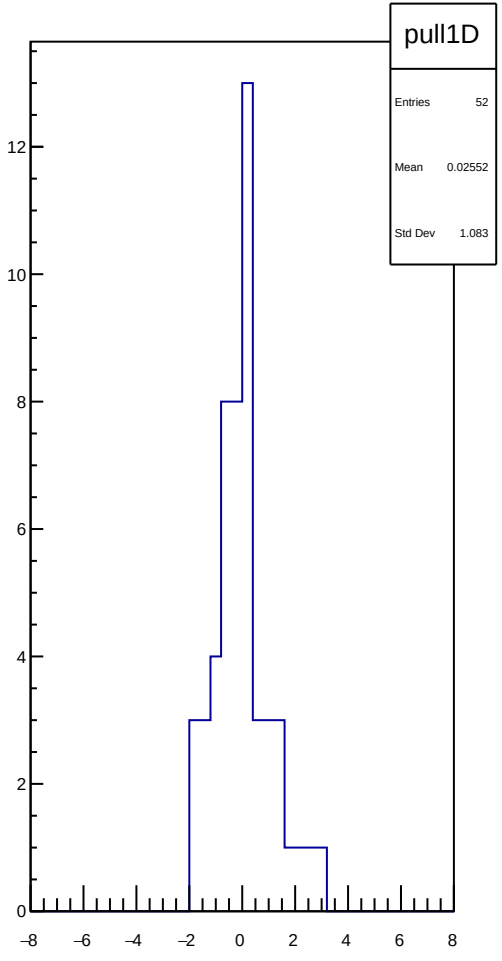
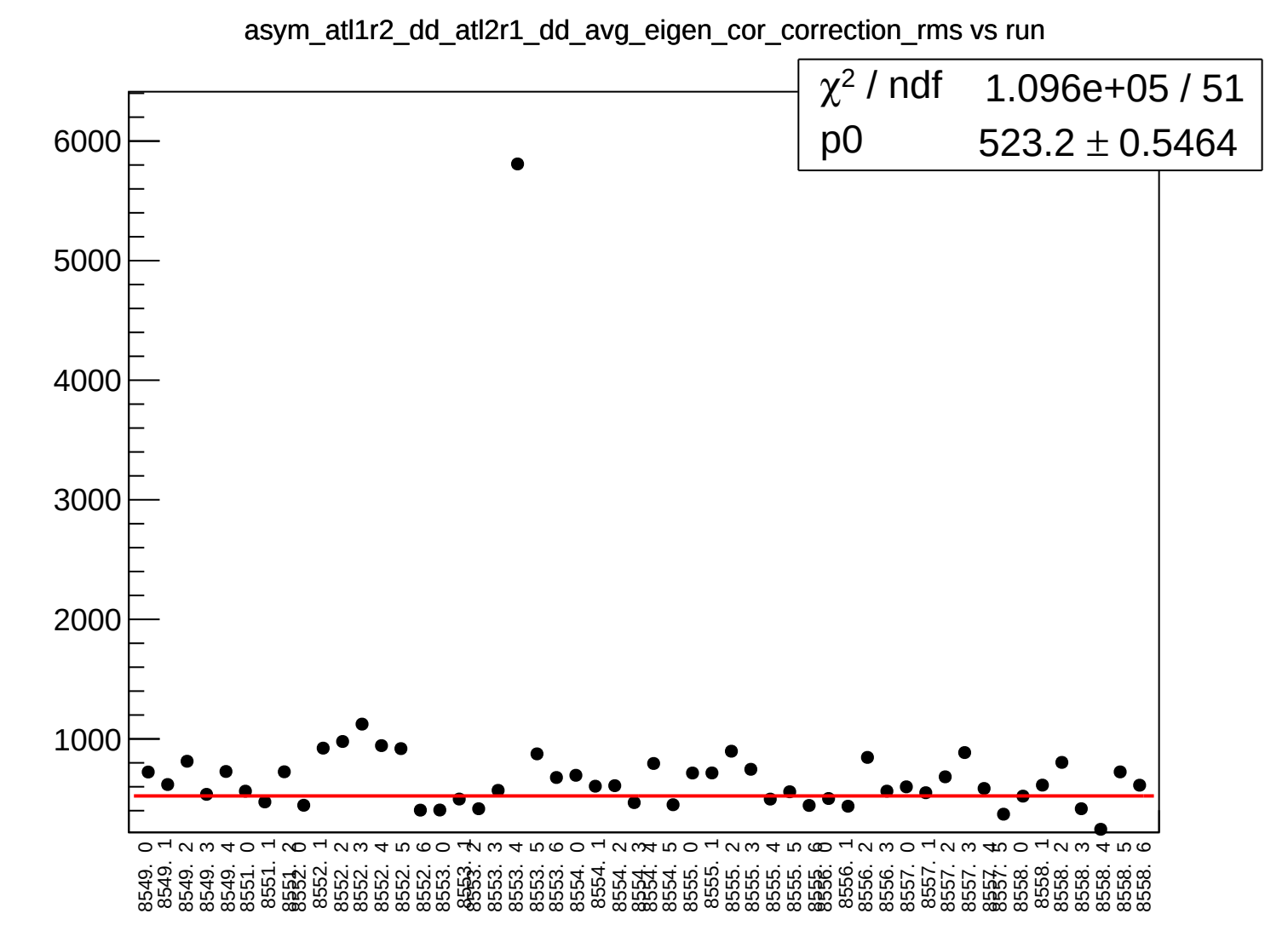
8558. 3
8558. 4
8558. 5
8558. 6


asym_atl1r2_dd_atl2r1_dd_avg_eigen_cor_correction_mean vs run
χ² / ndf 61.07 / 51
p0 391.5 ± 772.7
pull
Entries 52
Mean 34.33
Std Dev 0


pull1D
Entries 52
Mean 0.02552
Std Dev 1.083


asym_atl1r2_dd_atl2r1_dd_avg_eigen_cor_correction_rms vs run
χ² / ndf 1.096e+05 / 51
p0 523.2 ± 0.5464
6000
5000
4000
3000
2000
1000
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
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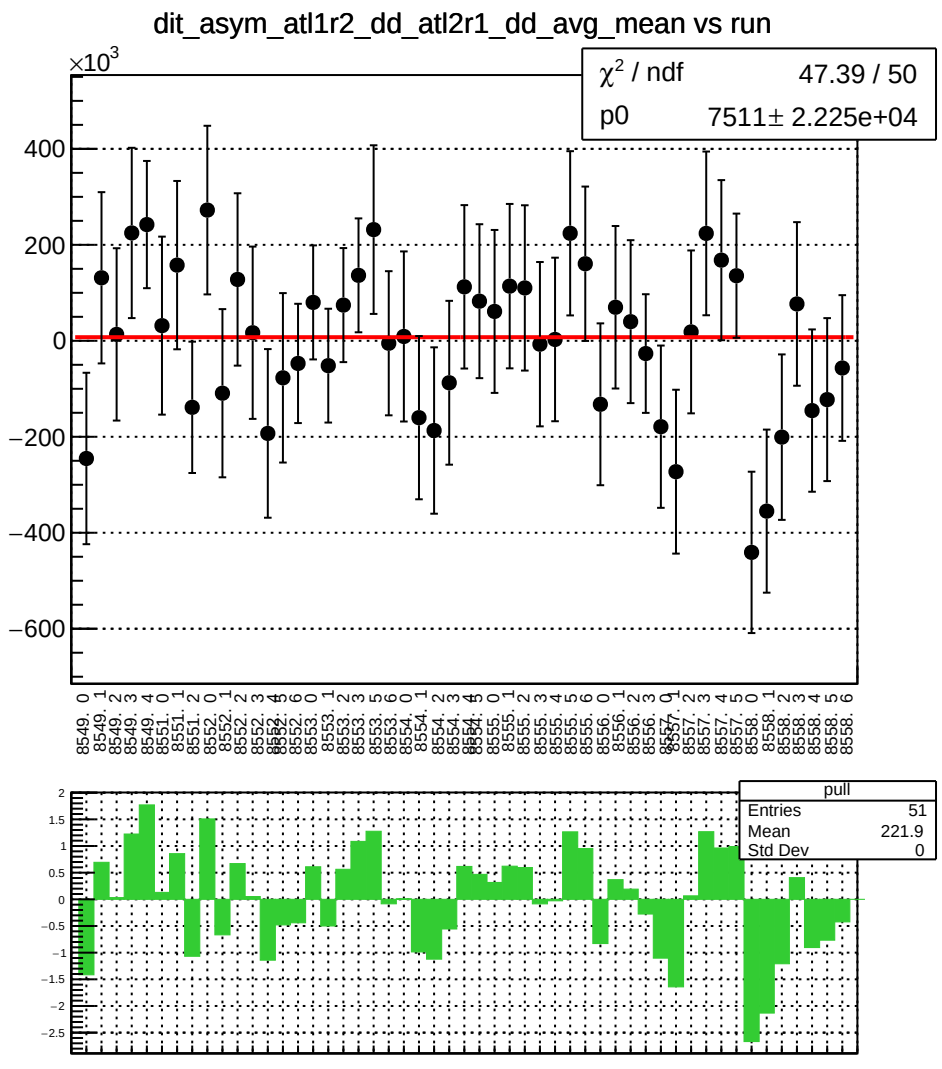
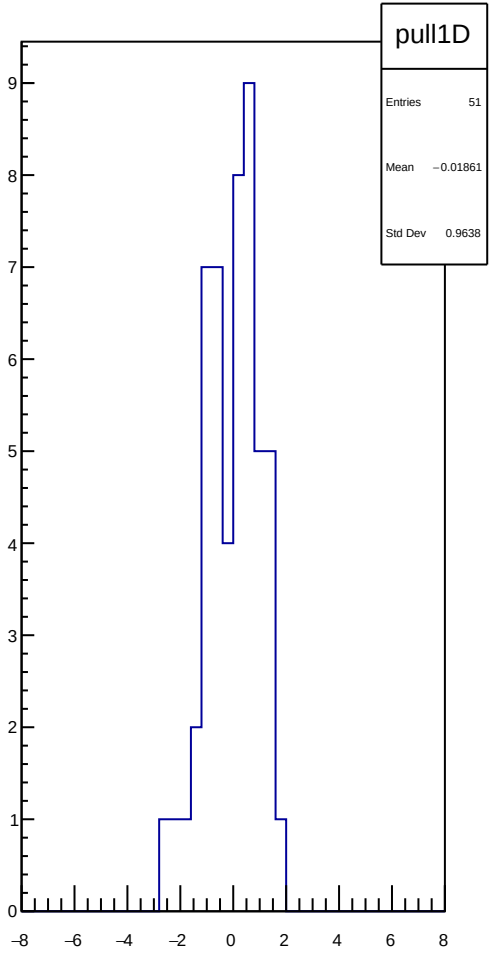
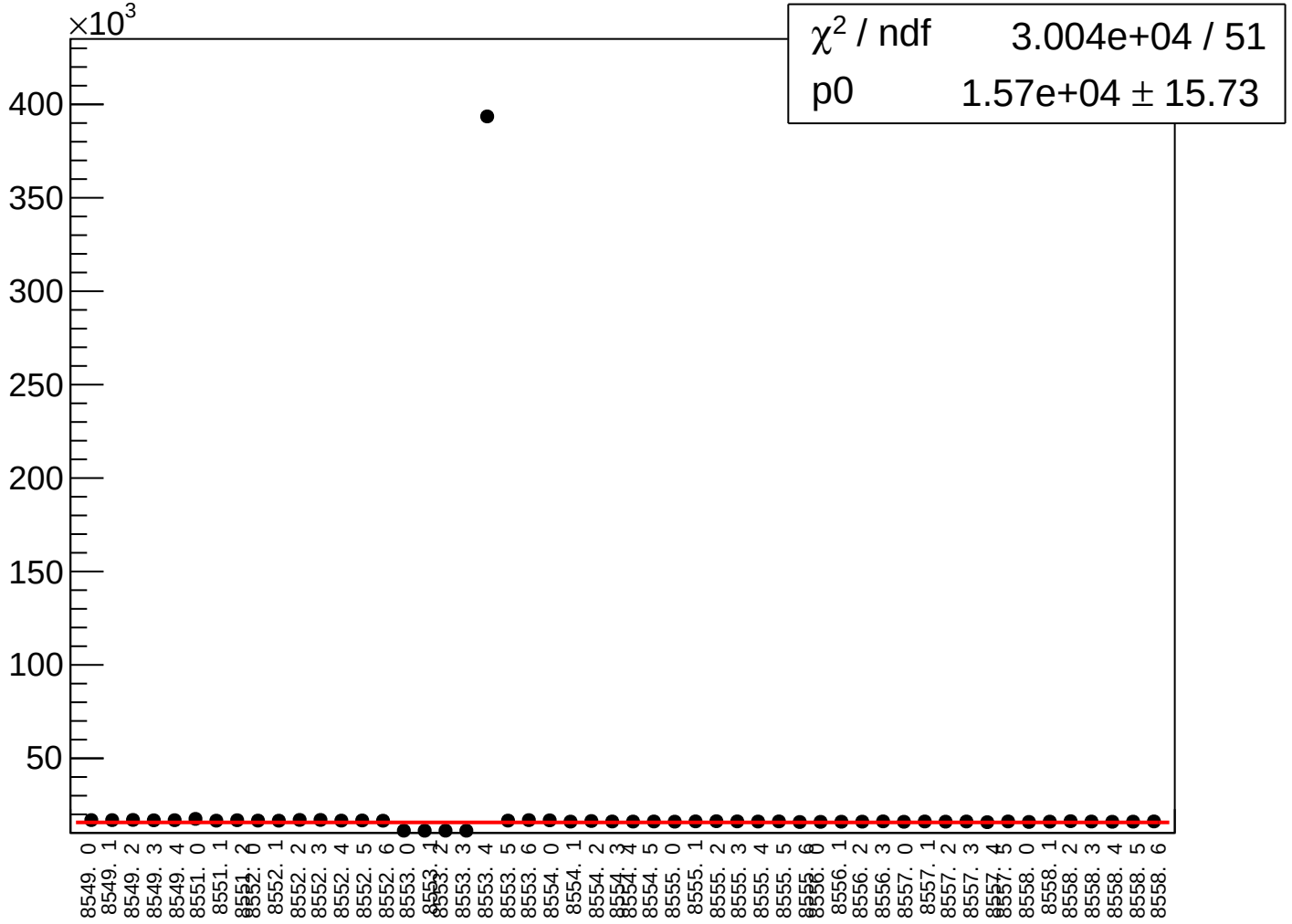
8558. 5
8558. 6


dit_asym_atl1r2_dd_atl2r1_dd_avg_mean vs run
×10^3
χ² / ndf 47.39 / 50
p0 7511± 2.225e+04
400
200
0
−200
−400
−600
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8551. 2
8552. 0
8552. 1
8552. 2
8552. 3
8552. 4
8552. 6
8553. 0
8553. 1
8553. 2
8553. 3
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 3
8554. 4
8554. 5
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8555. 6
8556. 0
8556. 1
8556. 2
8556. 3
8556. 5
8557. 0
8557. 1
8557. 2
8557. 3
8557. 4
8557. 5
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6
pull
Entries 51
Mean 221.9
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5


pull1D
Entries 51
Mean −0.01861
Std Dev 0.9638
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
×10^3
χ² / ndf 3.004e+04 / 51
p0 1.57e+04 ± 15.73
400
350
300
250
200
150
100
50
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 5
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
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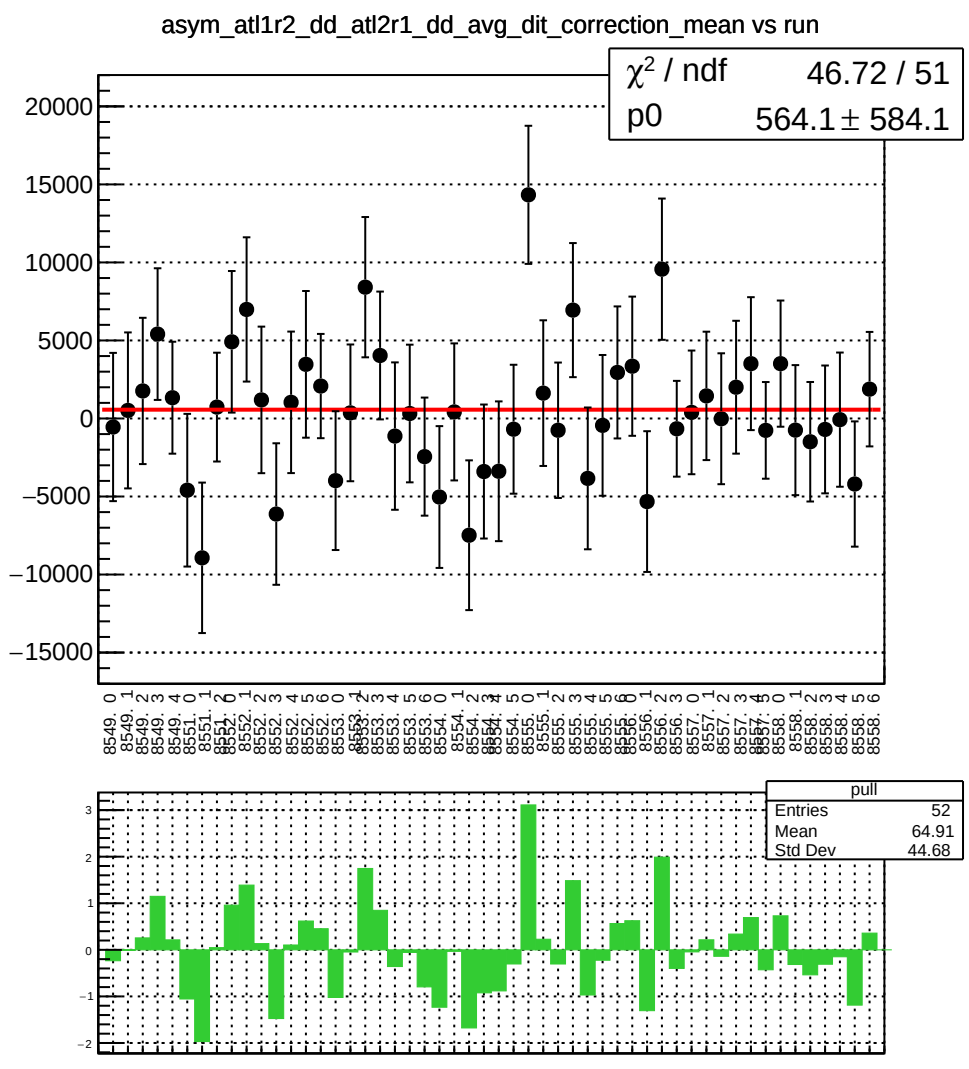
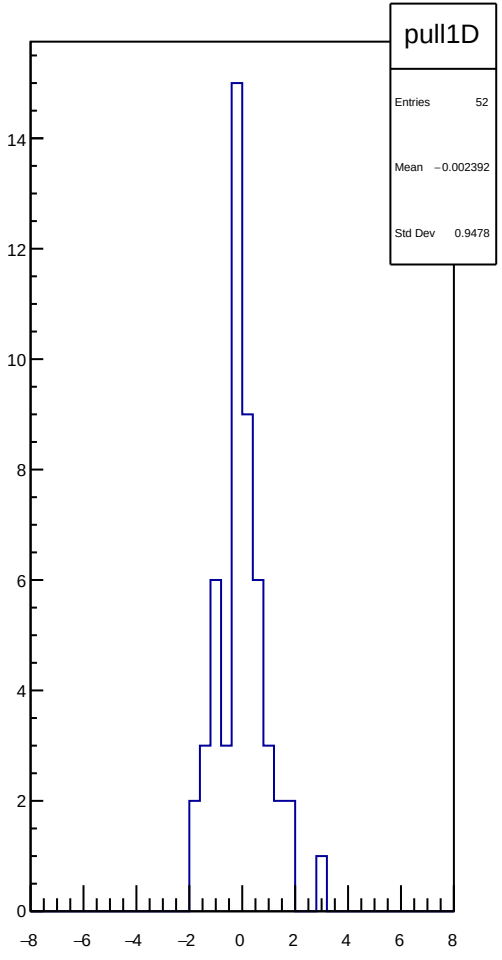
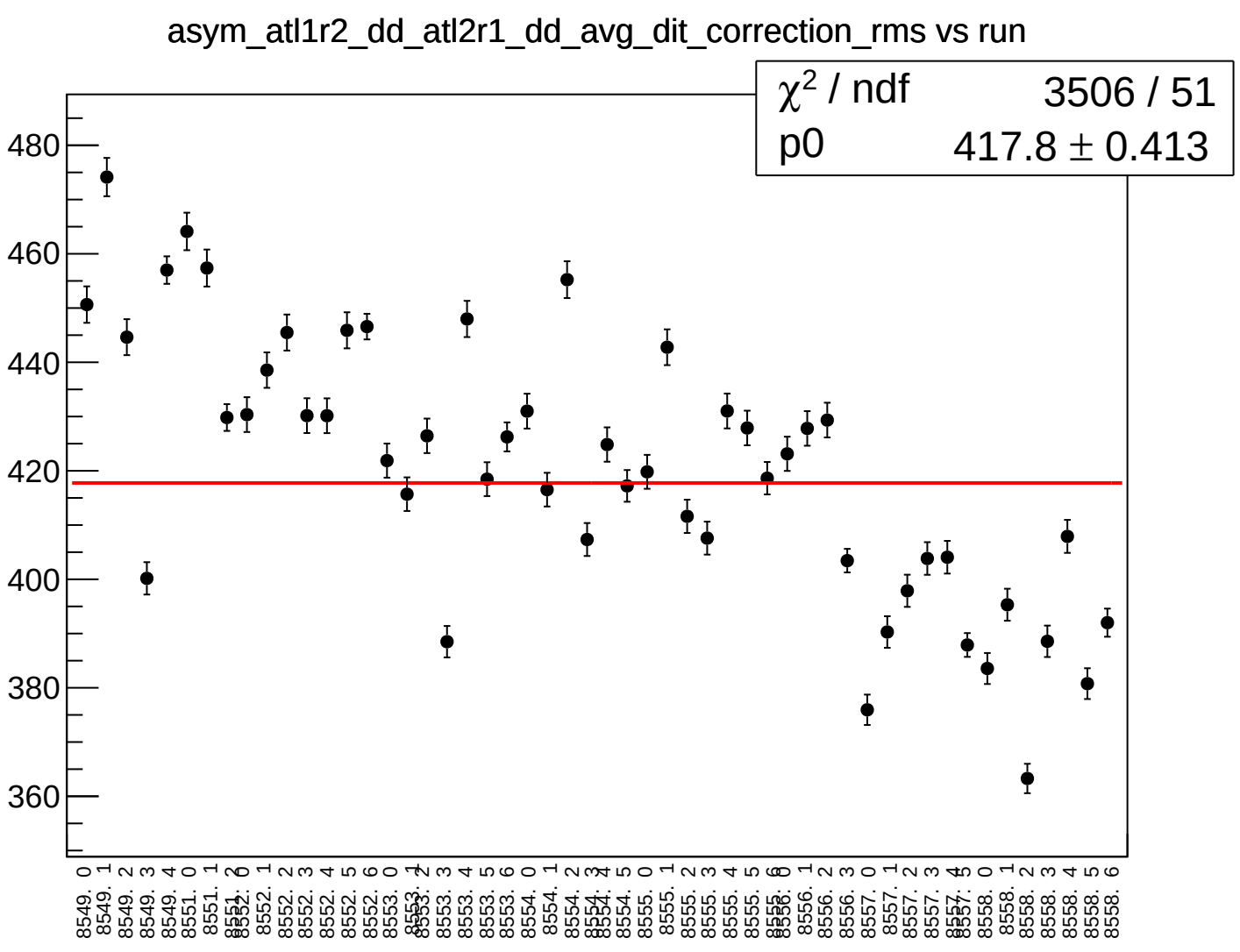
8558. 5
8558. 6


asym_atl1r2_dd_atl2r1_dd_avg_dit_correction_mean vs run
χ² / ndf 46.72 / 51
p0 564.1 ± 584.1
pull
Entries 52
Mean 64.91
Std Dev 44.68


pull1D
Entries 52
Mean −0.002392
Std Dev 0.9478


asym_atl1r2_dd_atl2r1_dd_avg_dit_correction_rms vs run
χ² / ndf 3506 / 51
p0 417.8 ± 0.413
480
460
440
420
400
380
360
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
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8554. 2
8554. 5
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8555. 2
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8555. 4
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8556. 1
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8556. 3
8557. 0
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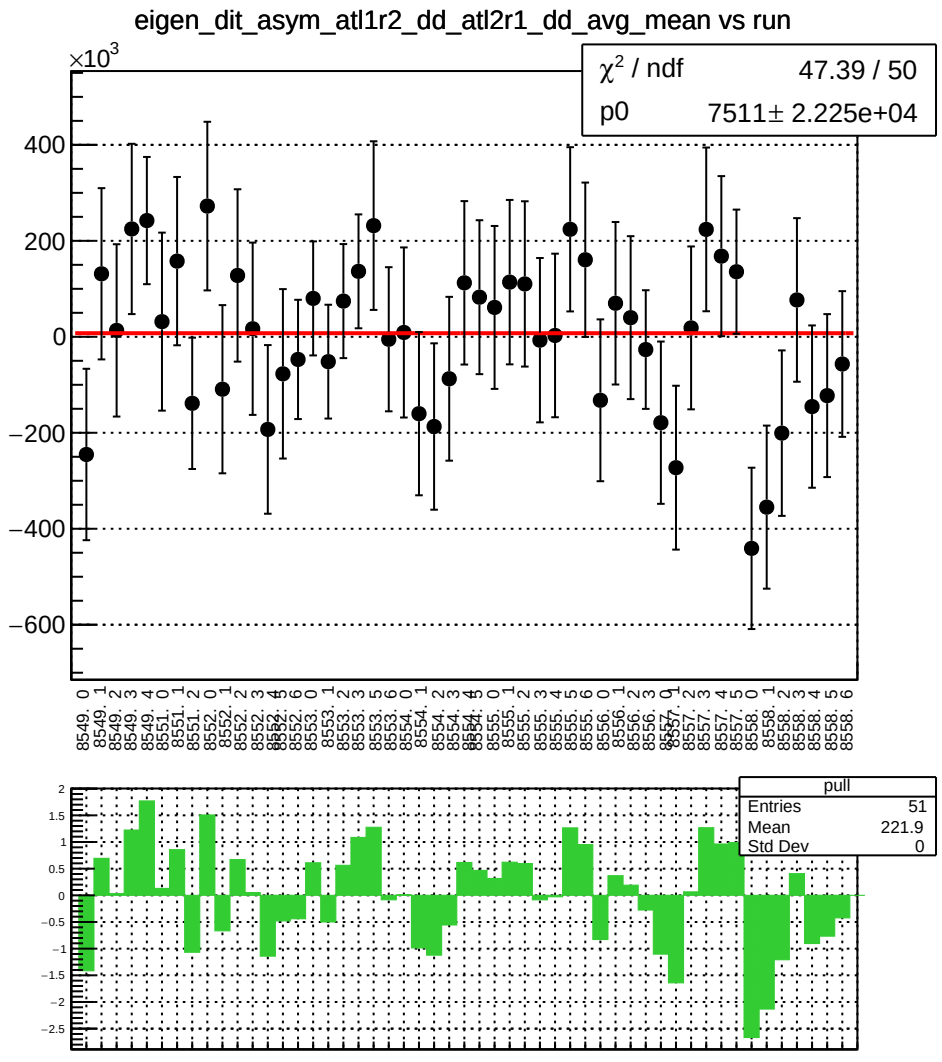
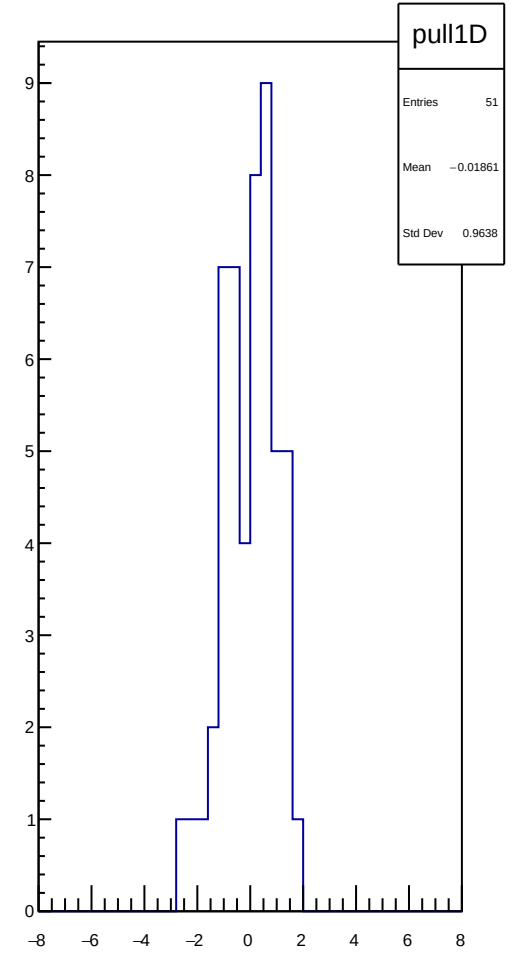
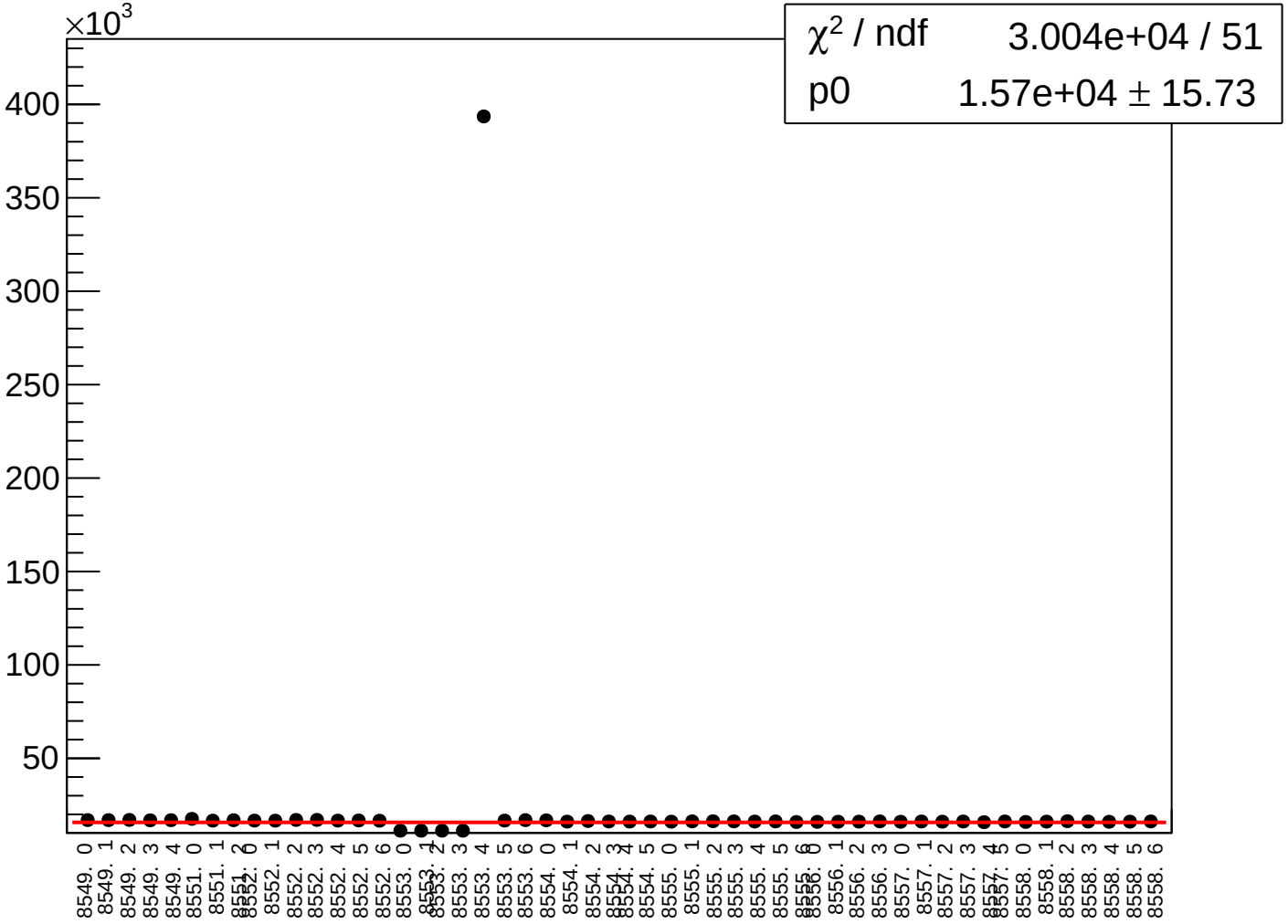
8558. 5
8558. 6


eigen_dit_asym_atl1r2_dd_atl2r1_dd_avg_mean vs run
×10^3
χ² / ndf 47.39 / 50
p0 7511± 2.225e+04
pull
Entries 51
Mean 221.9
Std Dev 0


pull1D
Entries 51
Mean −0.01861
Std Dev 0.9638


eigen_dit_asym_atl1r2_dd_atl2r1_dd_avg_rms vs run
×10^3
400
350
300
250
200
150
100
50
χ² / ndf 3.004e+04 / 51
p0 1.57e+04 ± 15.73
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 0
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 1
8553. 2
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 3
8554. 4
8554. 5
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
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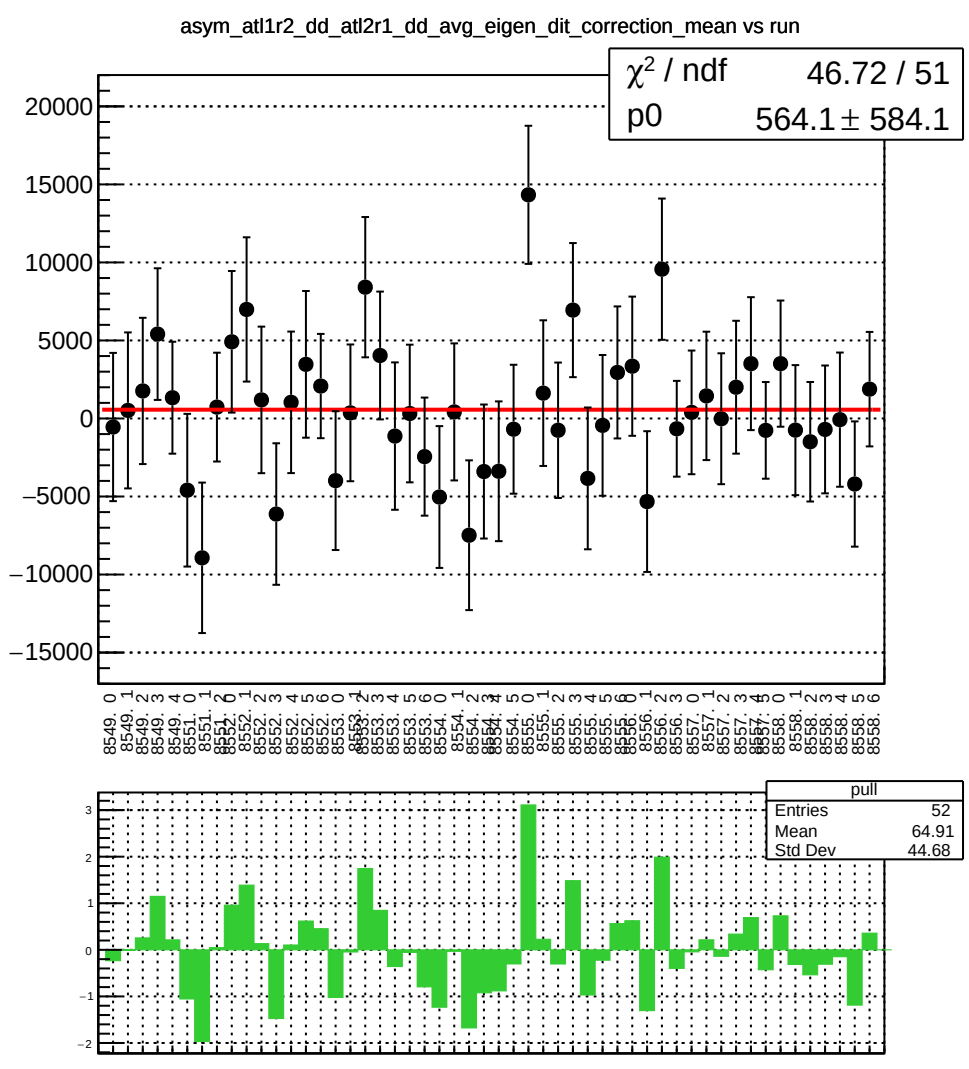
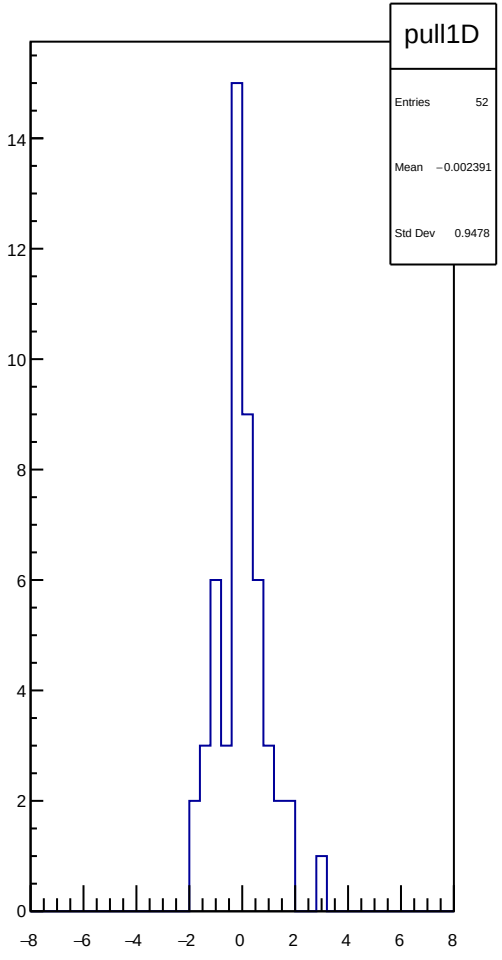
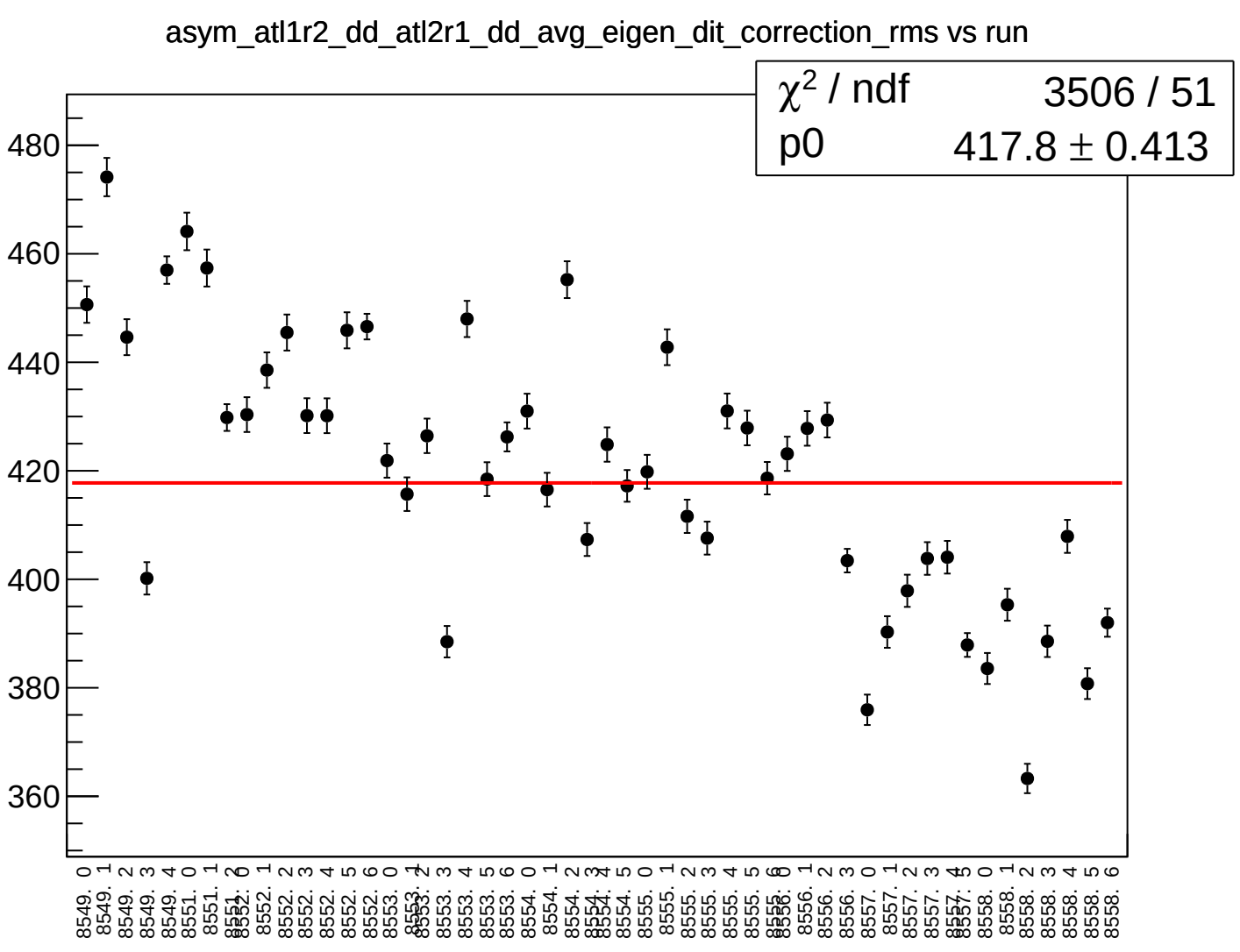
8557. 5
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6


asym_atl1r2_dd_atl2r1_dd_avg_eigen_dit_correction_mean vs run
χ² / ndf 46.72 / 51
p0 564.1 ± 584.1
pull
Entries 52
Mean 64.91
Std Dev 44.68


pull1D
Entries 52
Mean −0.002391
Std Dev 0.9478


asym_atl1r2_dd_atl2r1_dd_avg_eigen_dit_correction_rms vs run
χ² / ndf 3506 / 51
p0 417.8 ± 0.413
480
460
440
420
400
380
360
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
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8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
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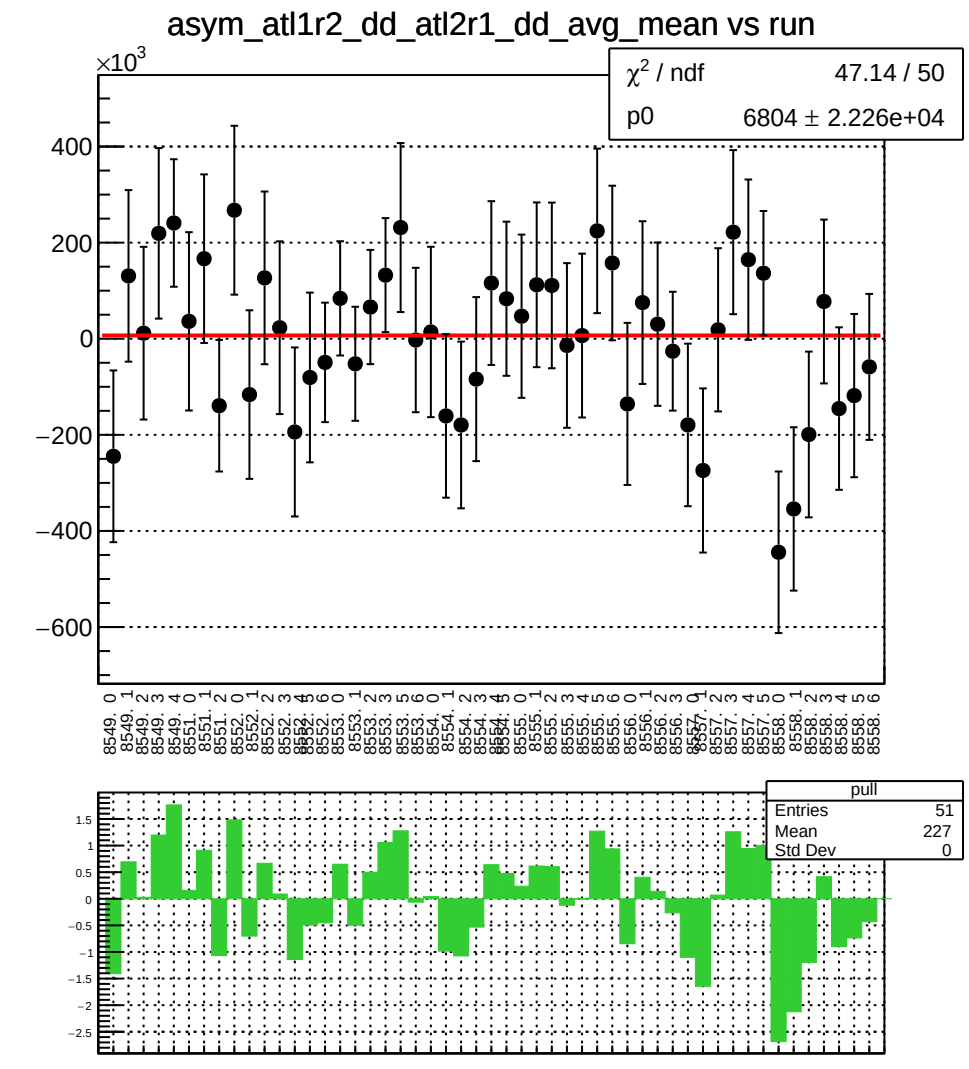
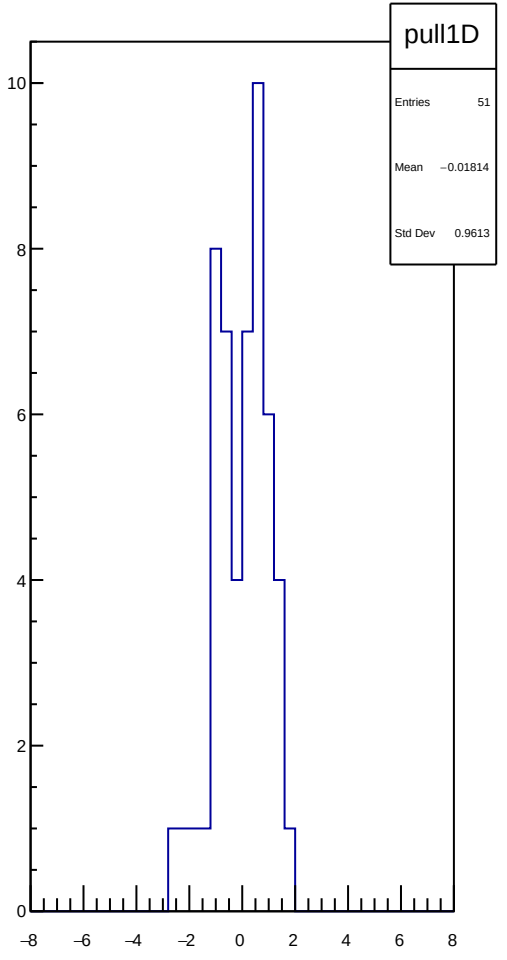
8558. 5
8558. 6


asym_atl1r2_dd_atl2r1_dd_avg_mean vs run
×10^3
χ² / ndf 47.14 / 50
p0 6804 ± 2.226e+04
400
200
0
−200
−400
−600
pull
Entries 51
Mean 227
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5


pull1D
Entries 51
Mean −0.01814
Std Dev 0.9613
10
8
6
4
2
0
−8
−6
−4
−2
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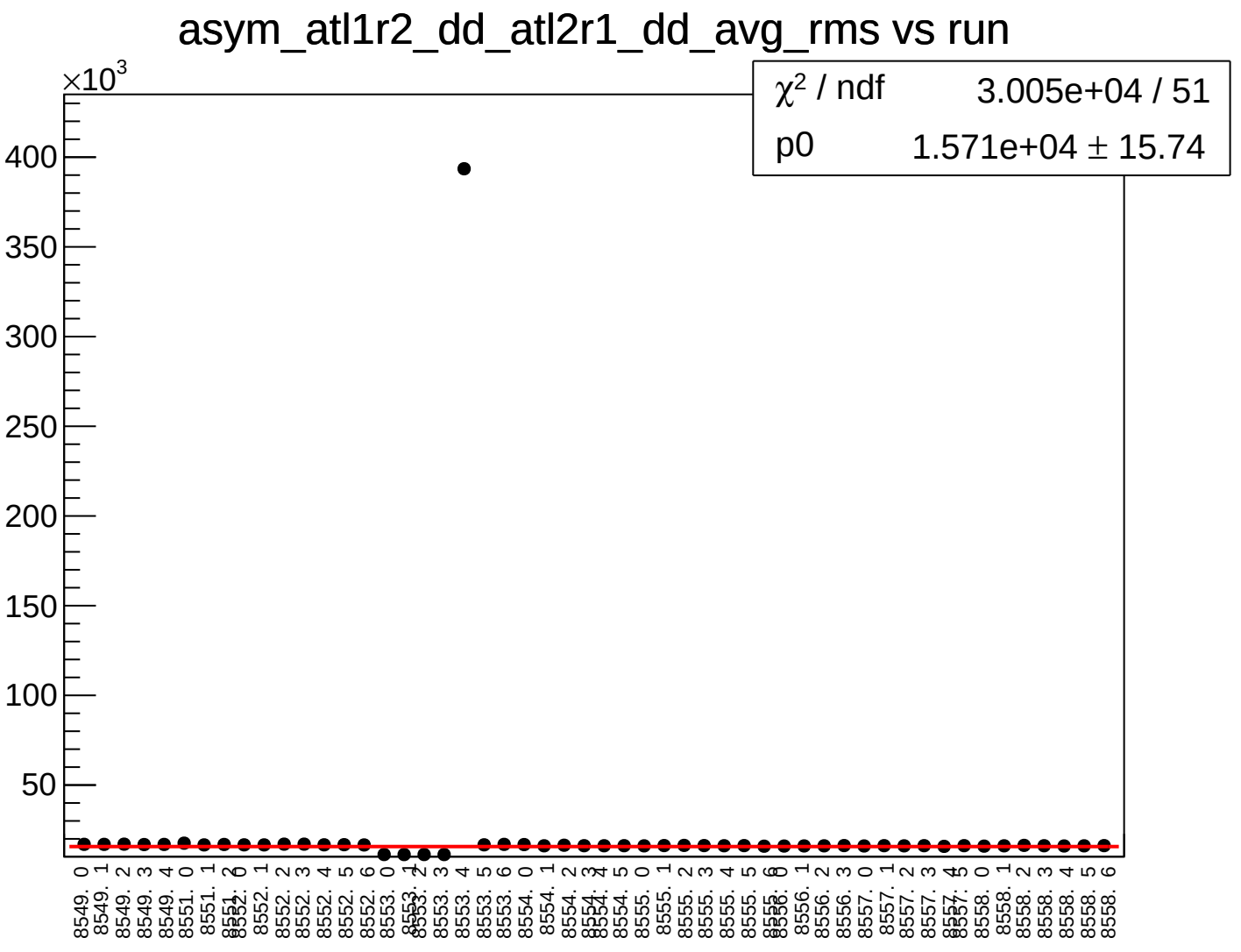
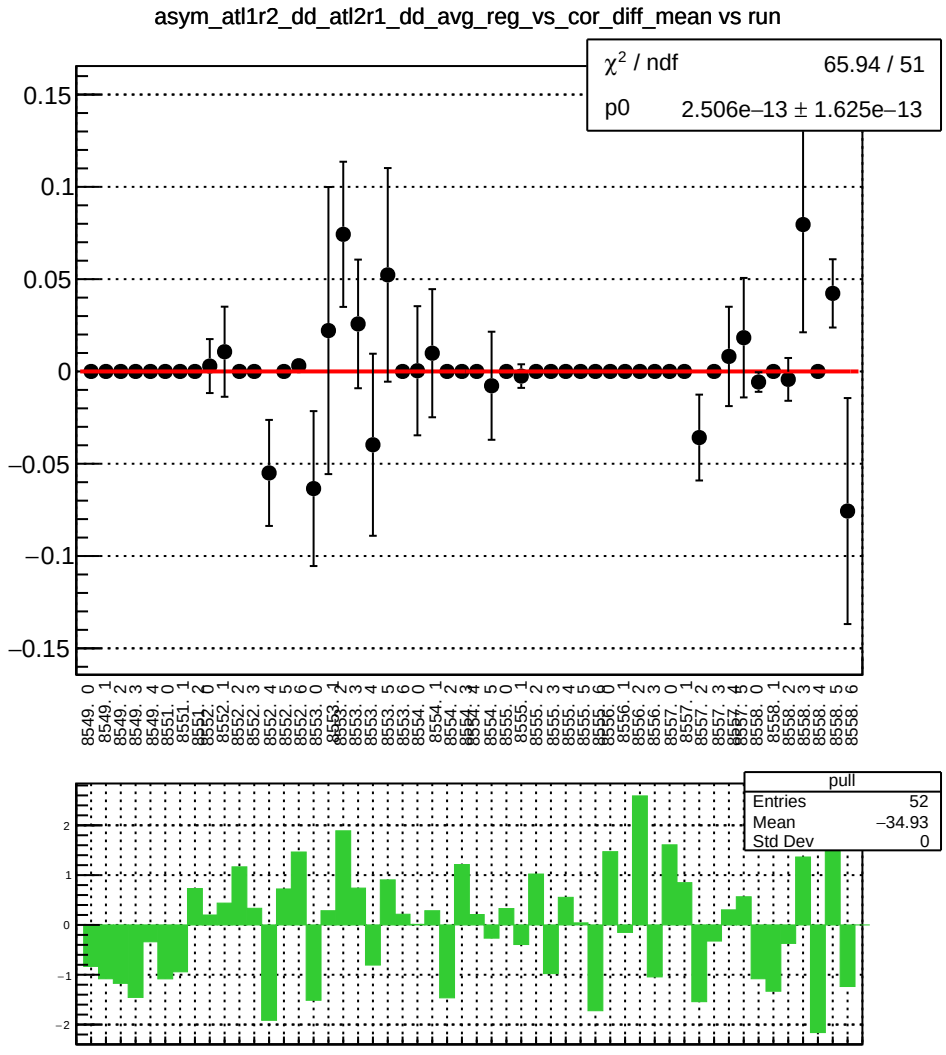
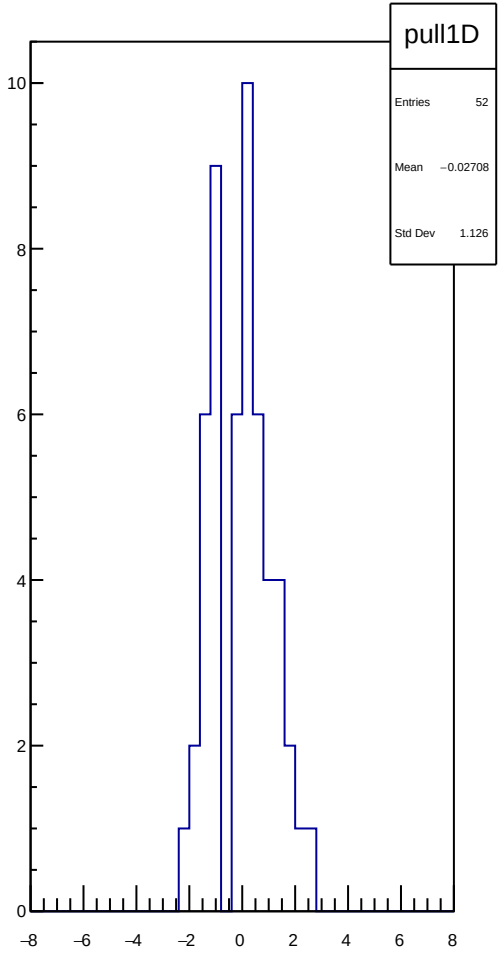
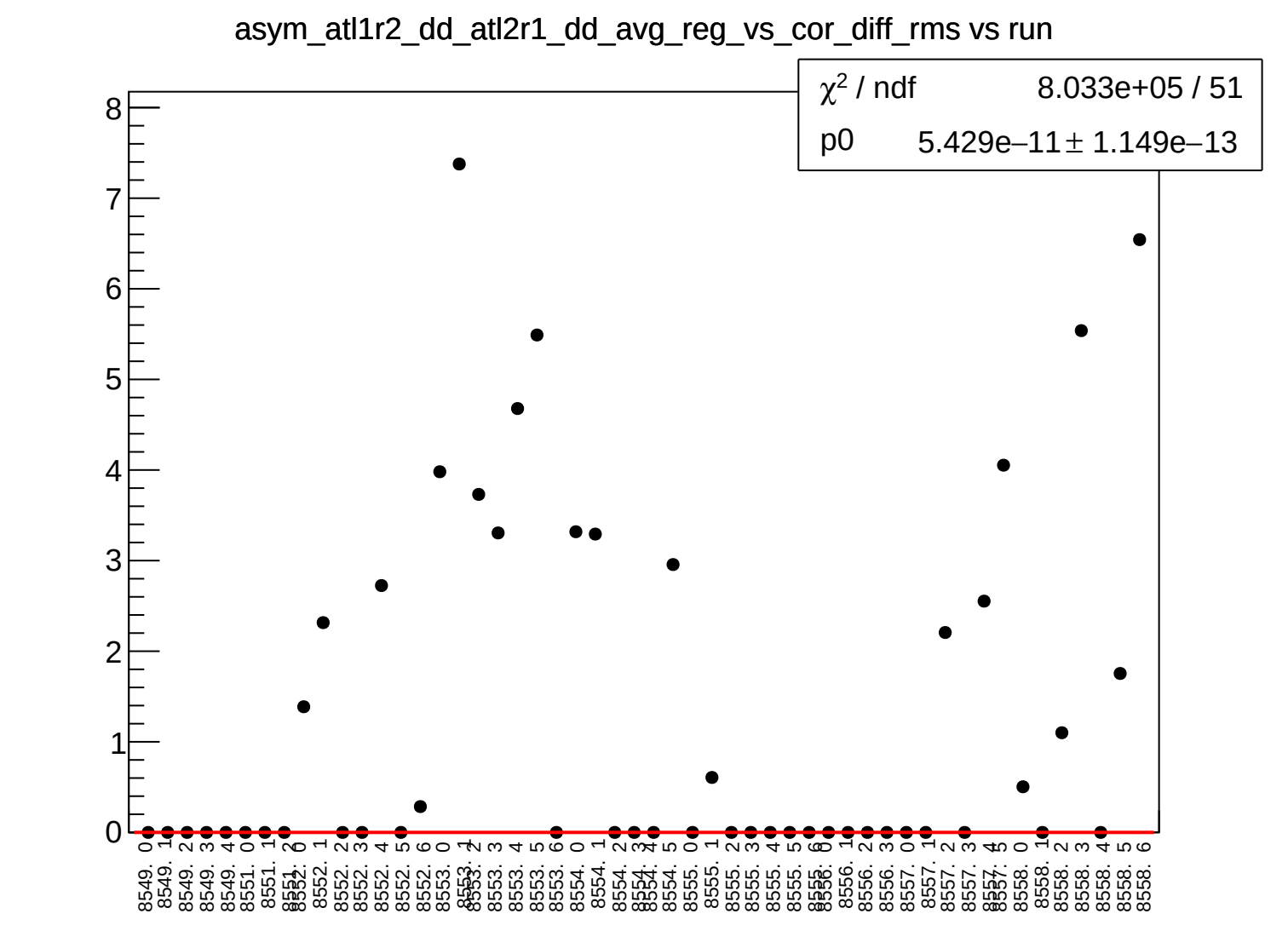
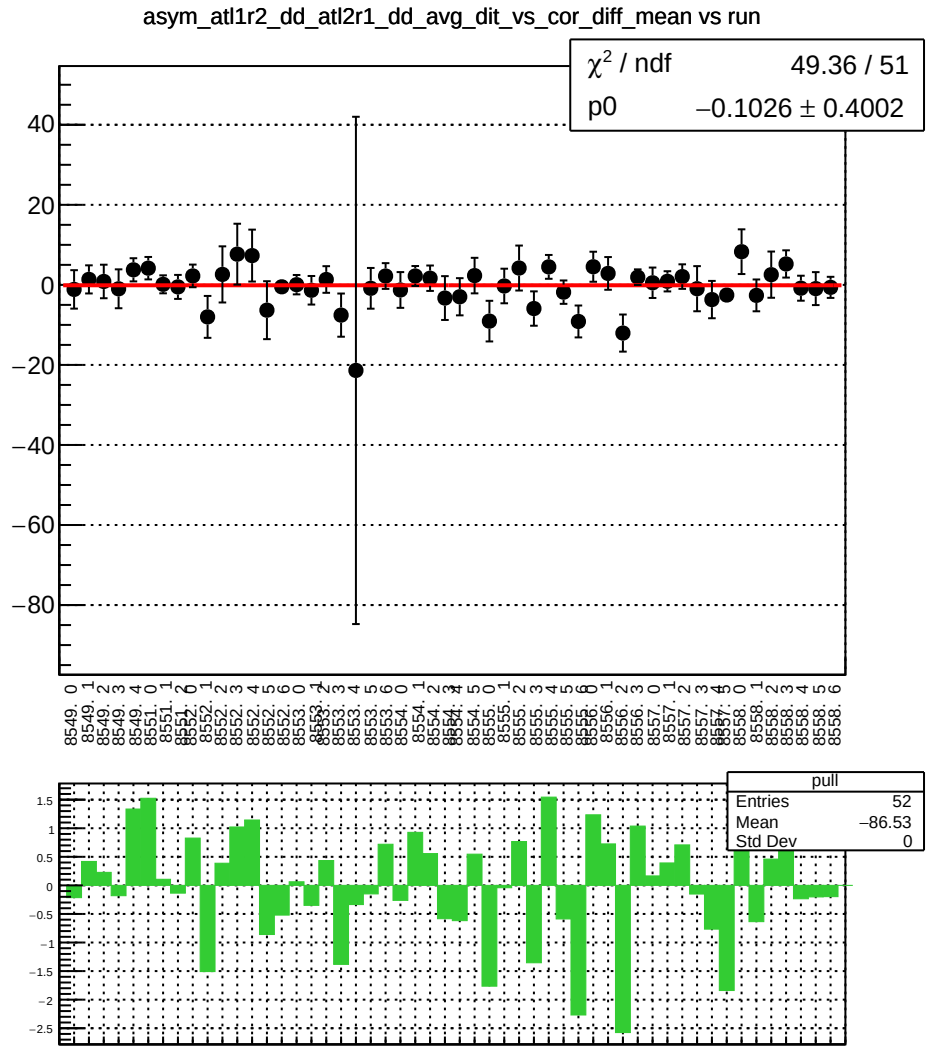
2
4
6
8

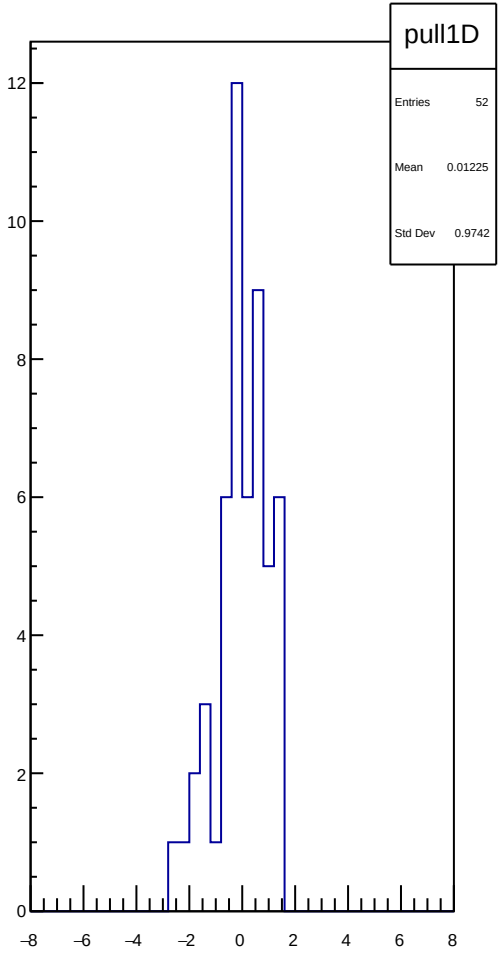

asym_atl1r2_dd_atl2r1_dd_avg_rms vs run
×10^3
χ² / ndf 3.005e+04 / 51
p0 1.571e+04 ± 15.74
400
350
300
250
200
150
100
50
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 5
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

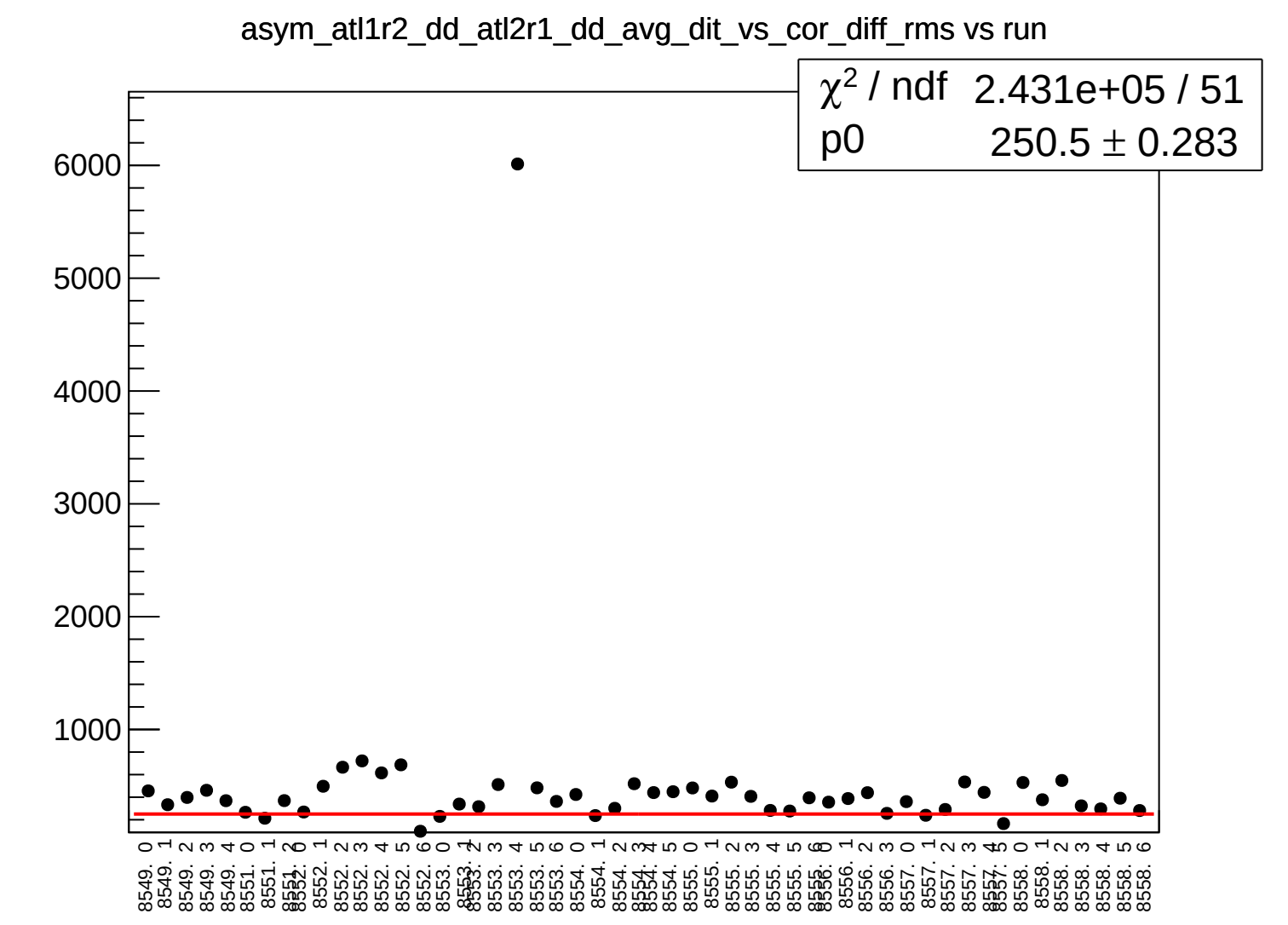

asym_atl1r2_dd_atl2r1_dd_avg_reg_vs_cor_diff_mean vs run
χ² / ndf 65.94 / 51
p0 2.506e−13 ± 1.625e−13
pull
Entries 52
Mean −34.93
Std Dev 0

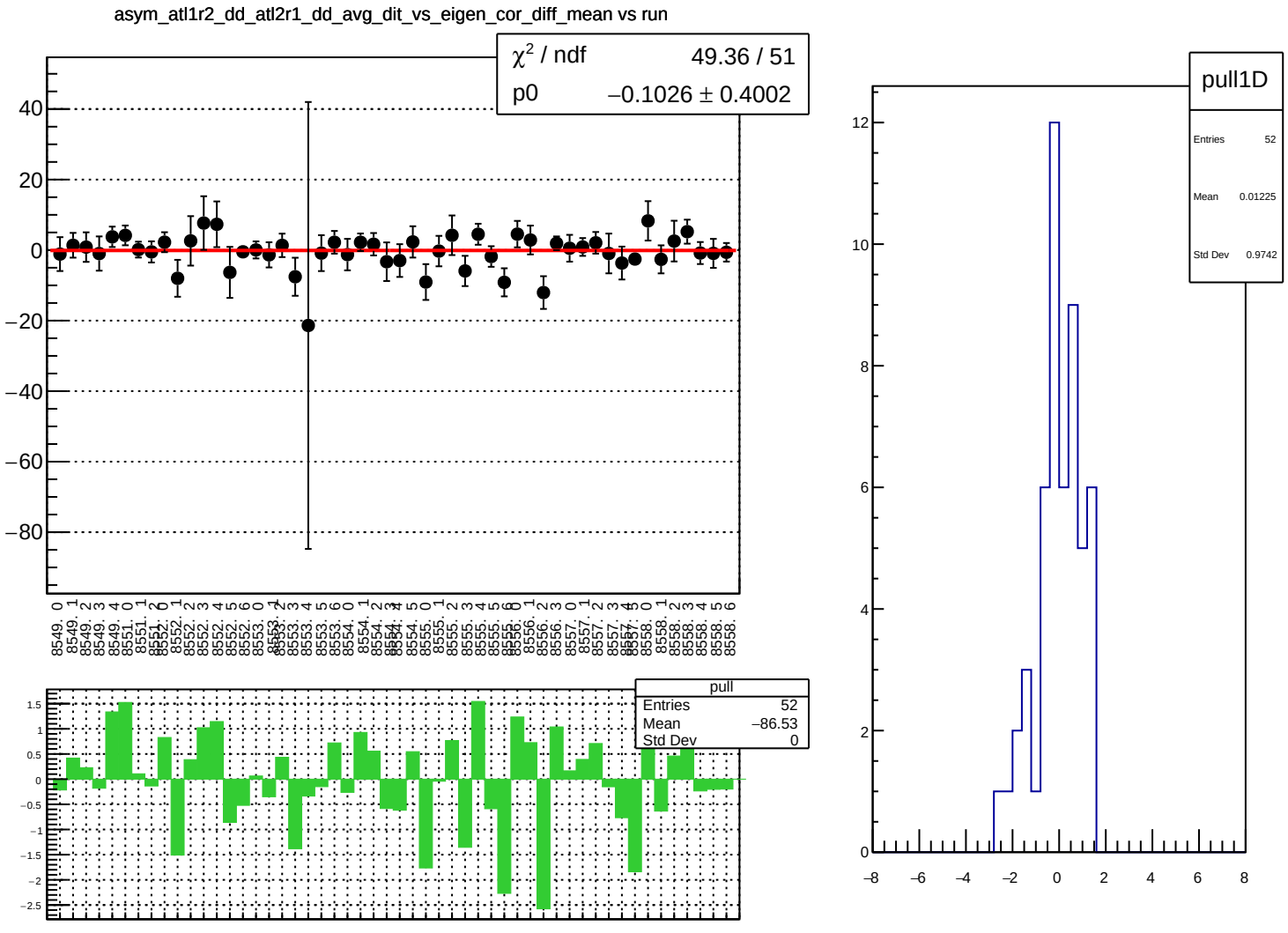

pull1D
Entries 52
Mean −0.02708
Std Dev 1.126

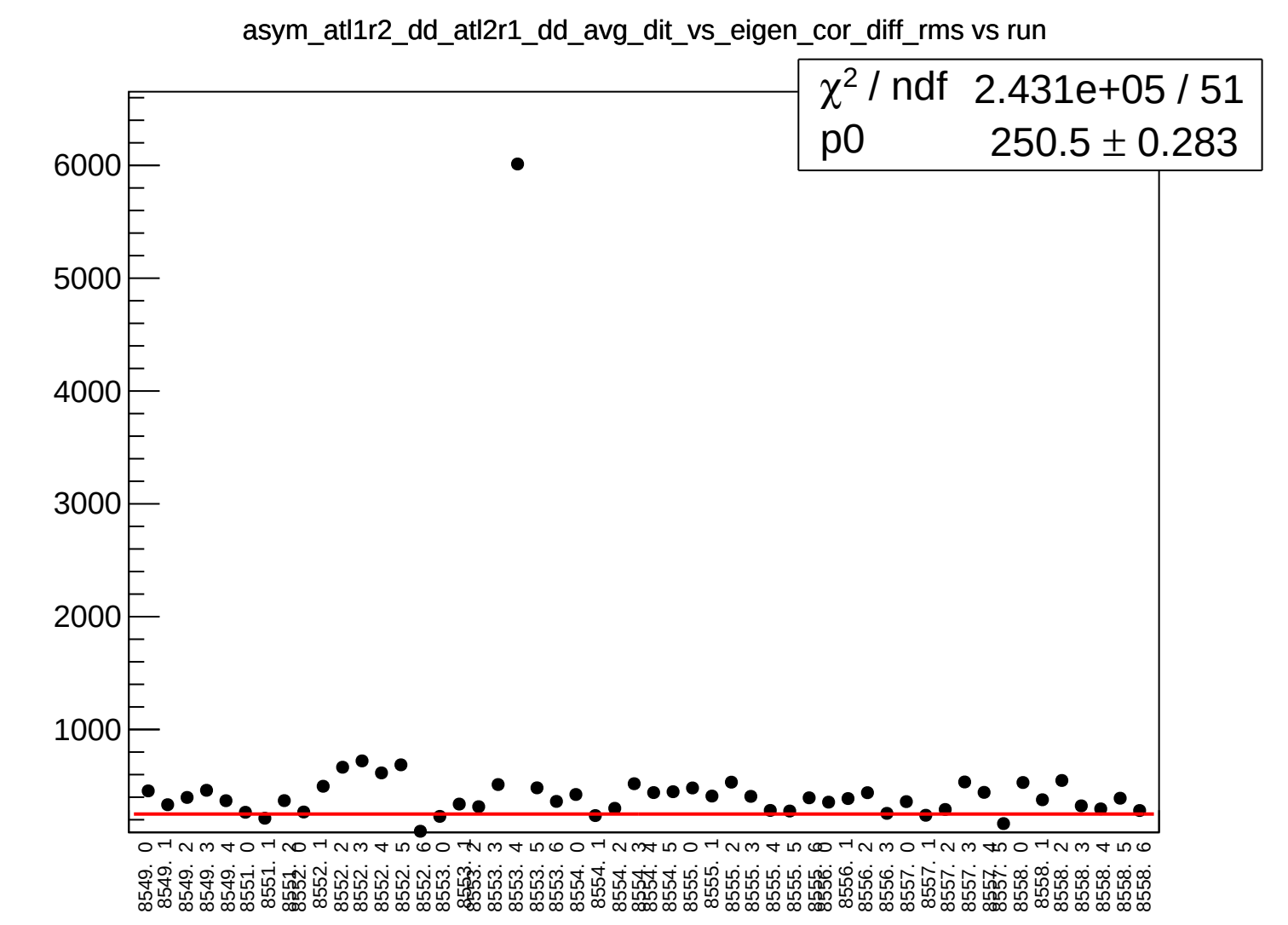

asym_atl1r2_dd_atl2r1_dd_avg_reg_vs_cor_diff_rms vs run
χ² / ndf 8.033e+05 / 51
p0 5.429e−11 ± 1.149e−13
0
1
2
3
4
5
6
7
8
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 0
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 1
8553. 2
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 5
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 0
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8557. 5
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

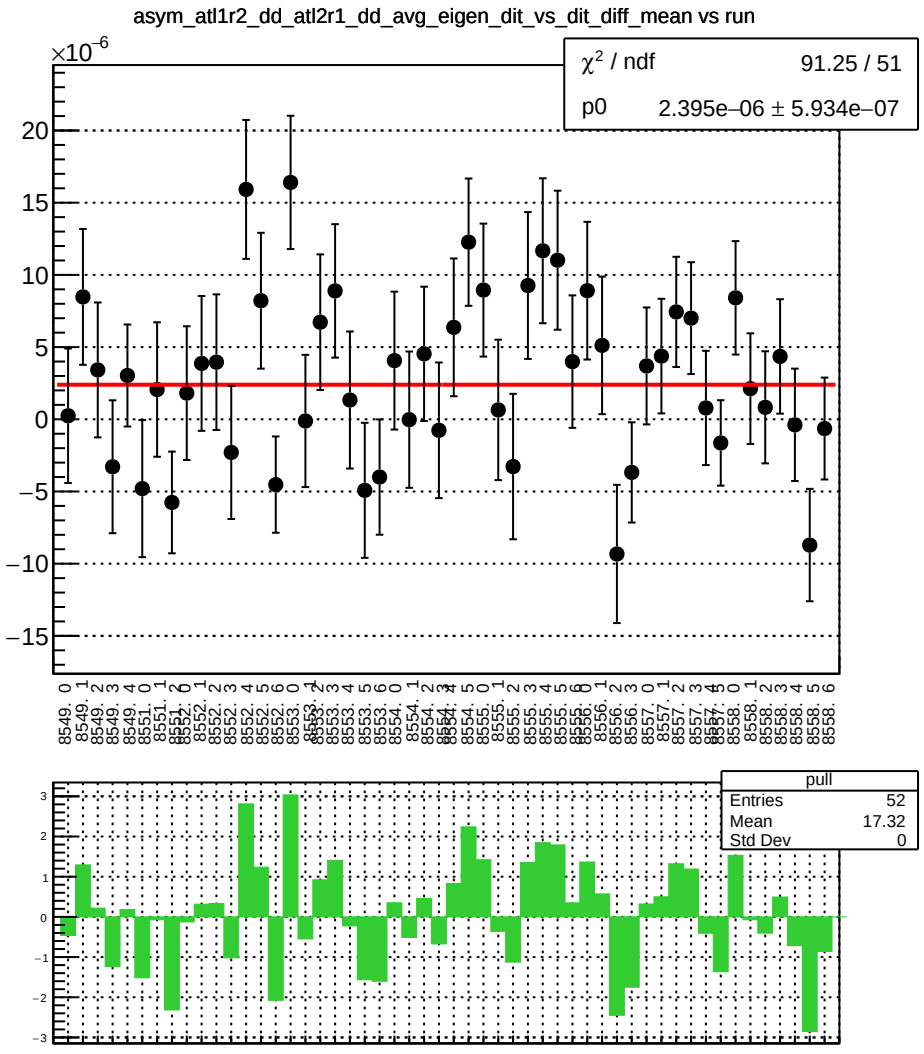

asym_atl1r2_dd_atl2r1_dd_avg_dit_vs_cor_diff_mean vs run
χ² / ndf 49.36 / 51
p0 −0.1026 ± 0.4002
pull
Entries 52
Mean −86.53
Std Dev 0

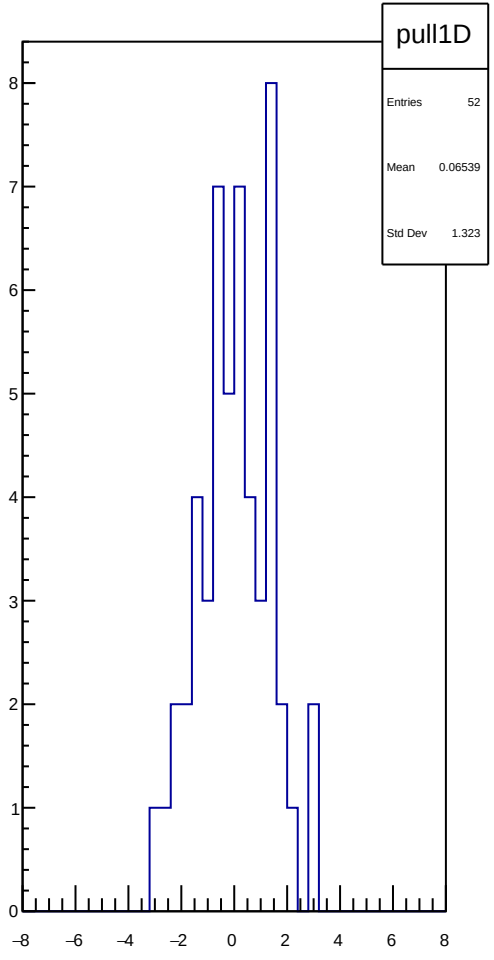

pull1D
Entries 52
Mean 0.01225
Std Dev 0.9742

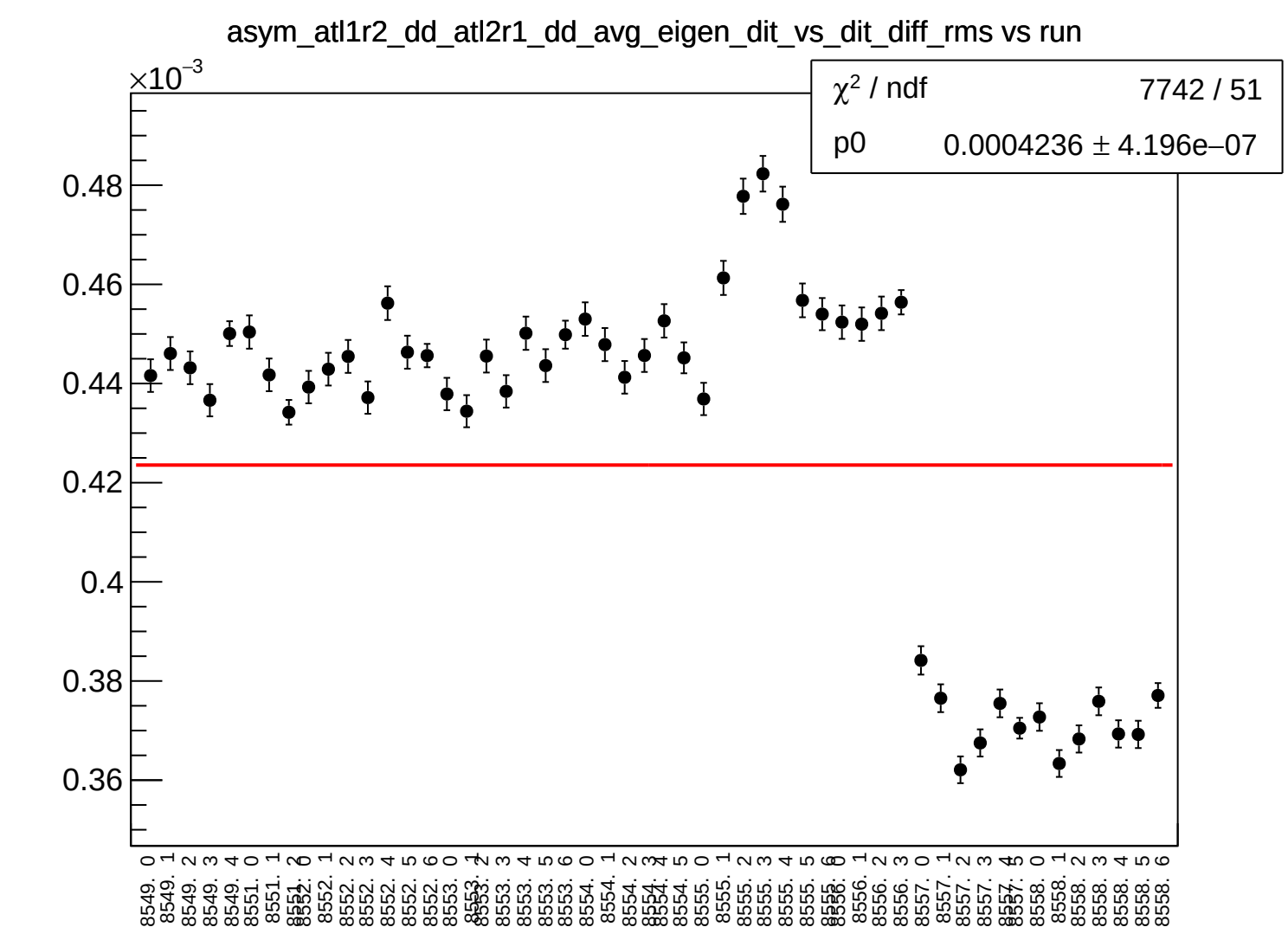

asym_atl1r2_dd_atl2r1_dd_avg_dit_vs_cor_diff_rms vs run
χ² / ndf 2.431e+05 / 51
p0 250.5 ± 0.283
6000
5000
4000
3000
2000
1000
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 0
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 1
8553. 2
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 5
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

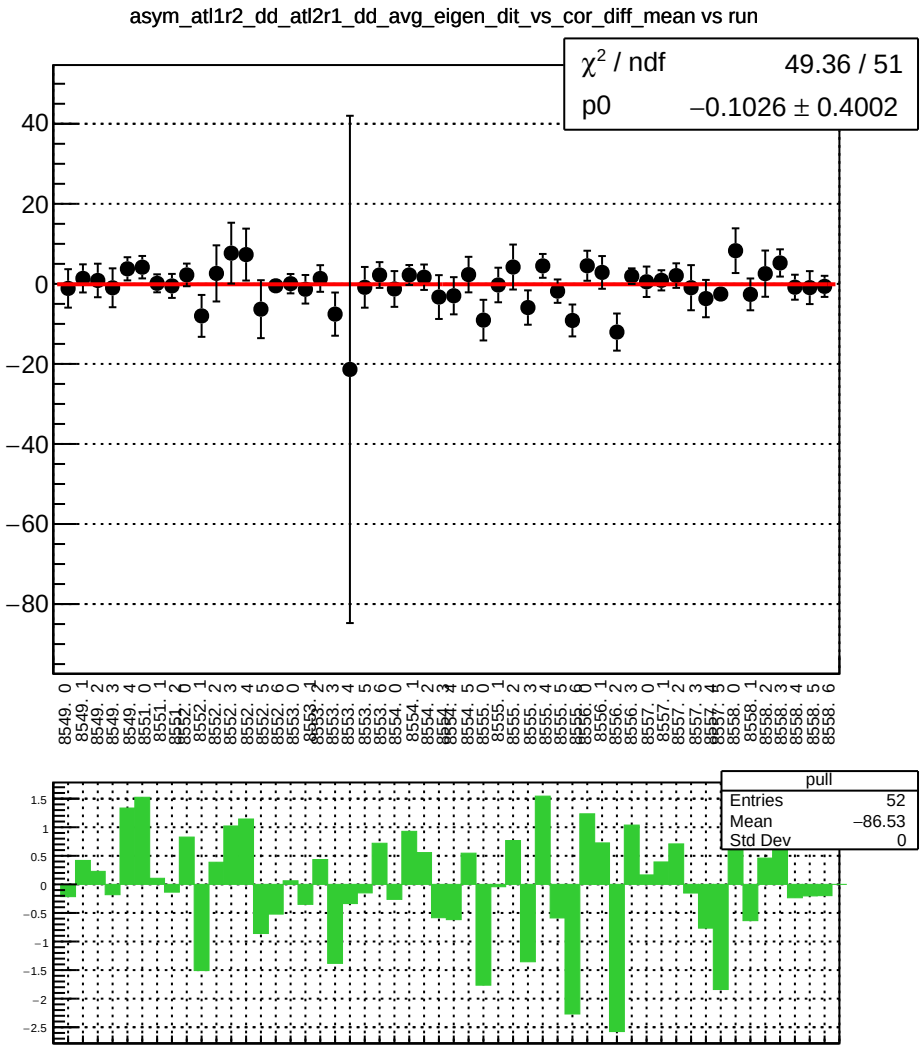

asym_atl1r2_dd_atl2r1_dd_avg_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 49.36 / 51
p0 −0.1026 ± 0.4002
pull
Entries 52
Mean −86.53
Std Dev 0
pull1D
Entries 52
Mean 0.01225
Std Dev 0.9742

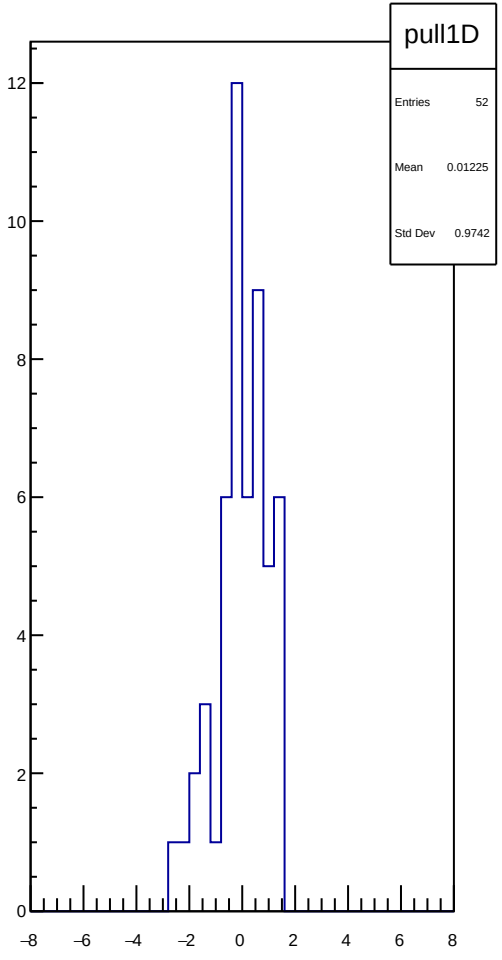

asym_atl1r2_dd_atl2r1_dd_avg_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 2.431e+05 / 51
p0 250.5 ± 0.283
6000
5000
4000
3000
2000
1000
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 0
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 1
8553. 2
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

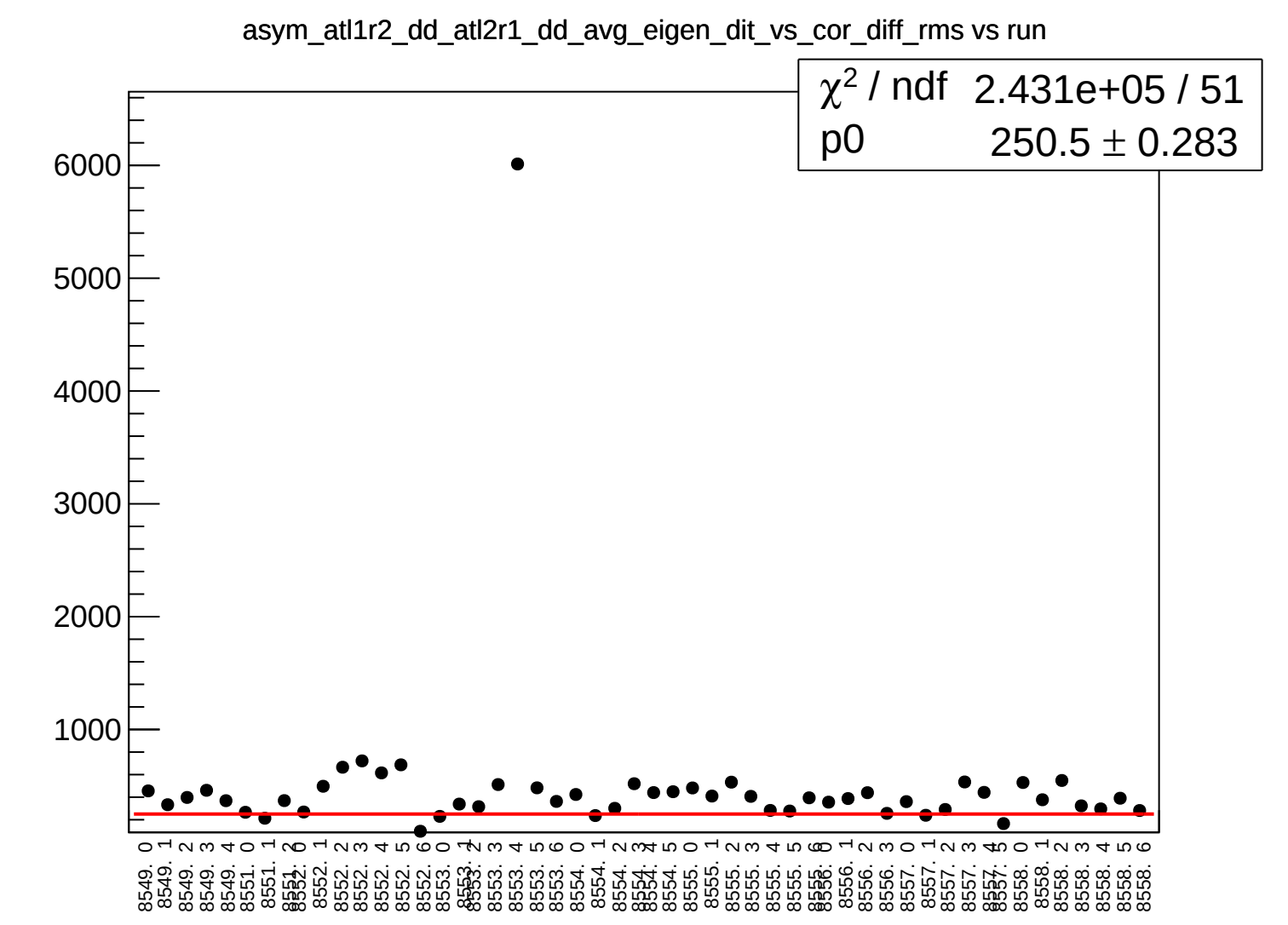

asym_atl1r2_dd_atl2r1_dd_avg_eigen_dit_vs_dit_diff_mean vs run
×10⁻⁶
χ² / ndf 91.25 / 51
p0 2.395e−06 ± 5.934e−07
pull
Entries 52
Mean 17.32
Std Dev 0

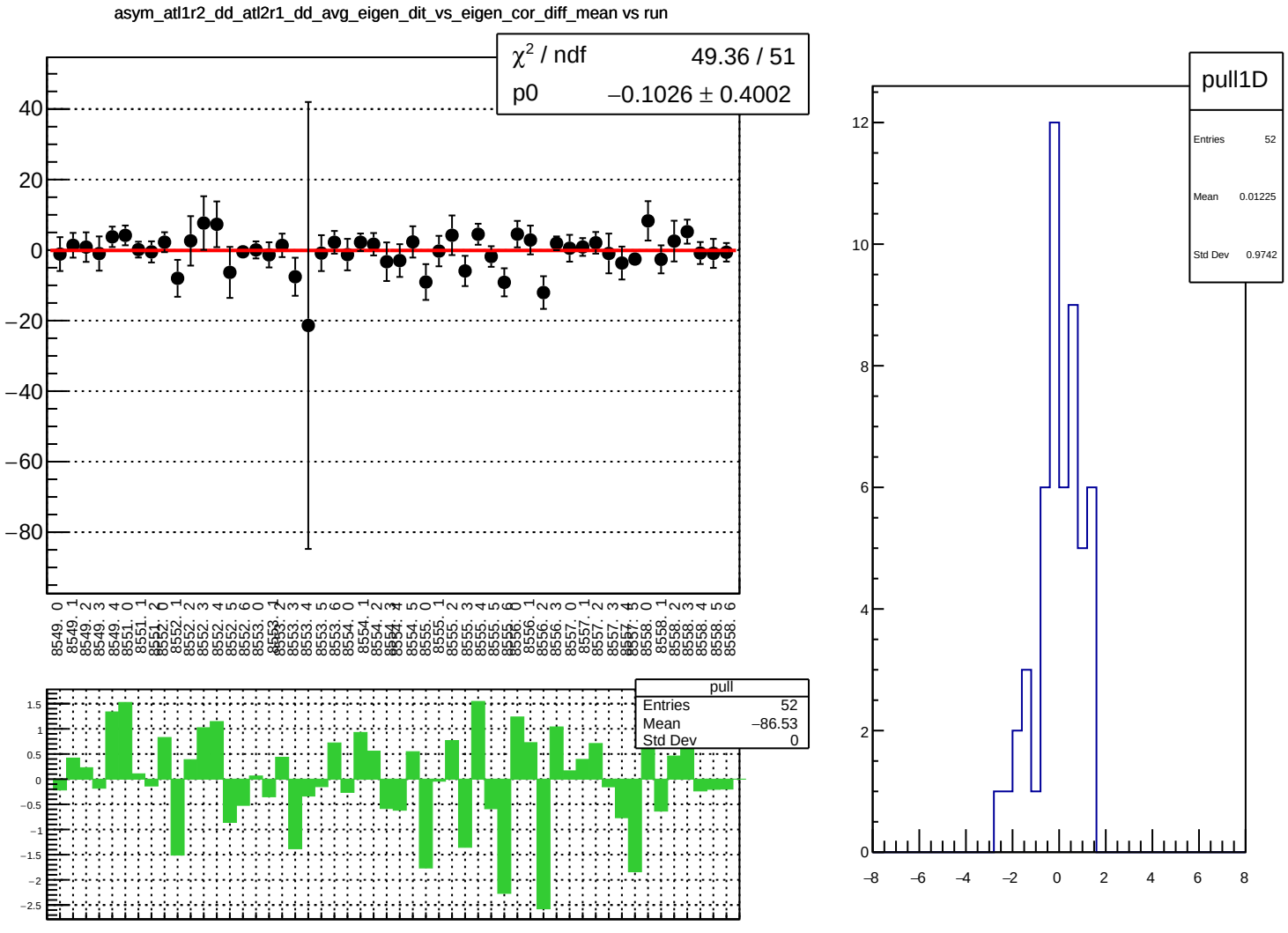

pull1D
Entries 52
Mean 0.06539
Std Dev 1.323

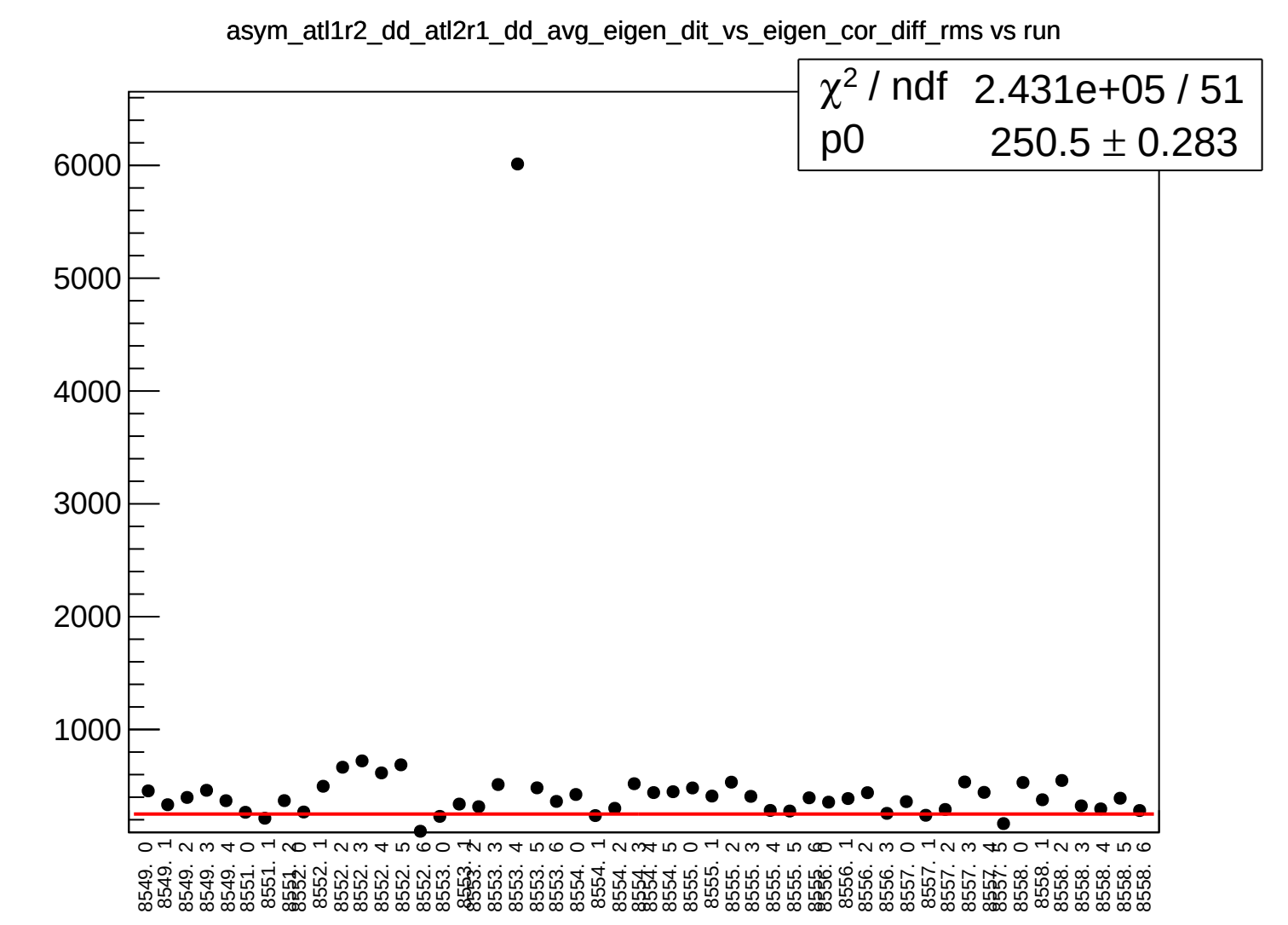

asym_atl1r2_dd_atl2r1_dd_avg_eigen_dit_vs_dit_diff_rms vs run
×10⁻³
χ² / ndf 7742 / 51
p0 0.0004236 ± 4.196e−07
0.48
0.46
0.44
0.42
0.4
0.38
0.36
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 5
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

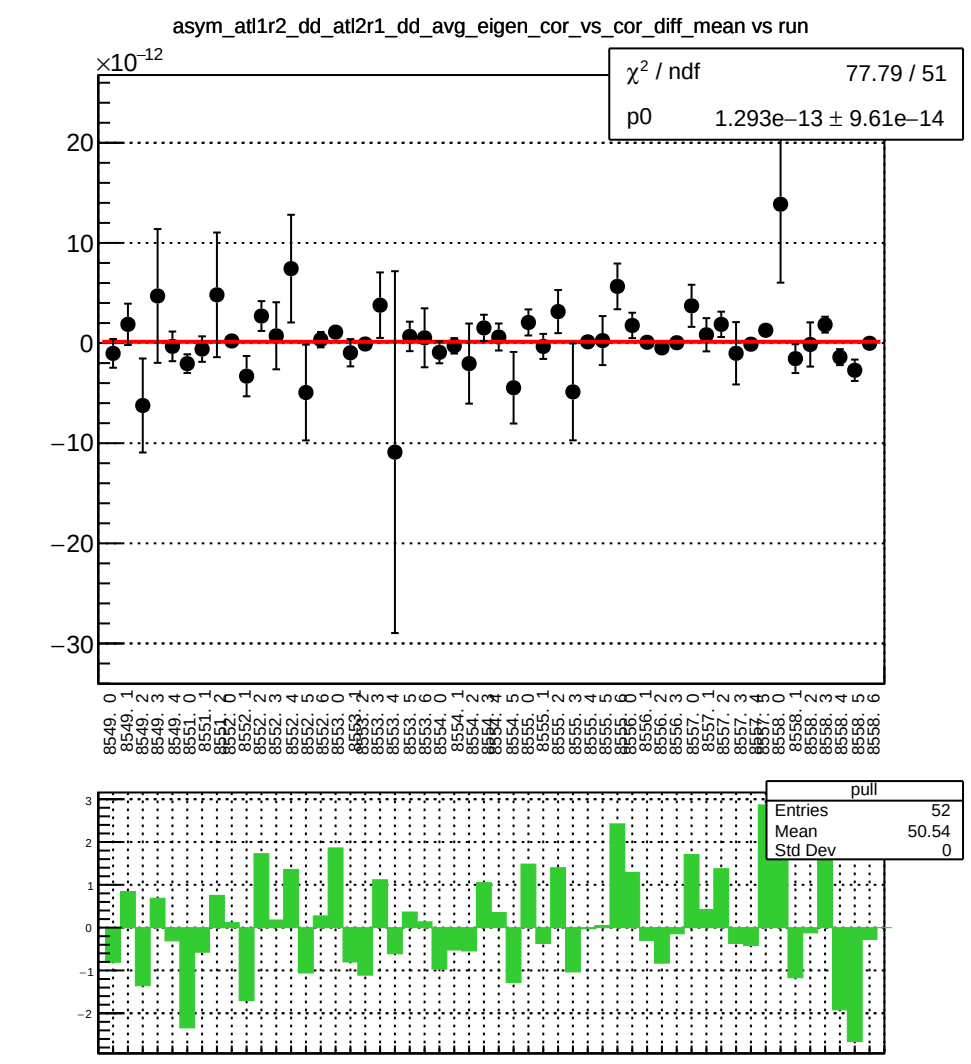

asym_atl1r2_dd_atl2r1_dd_avg_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 49.36 / 51
p0 −0.1026 ± 0.4002
pull
Entries 52
Mean −86.53
Std Dev 0

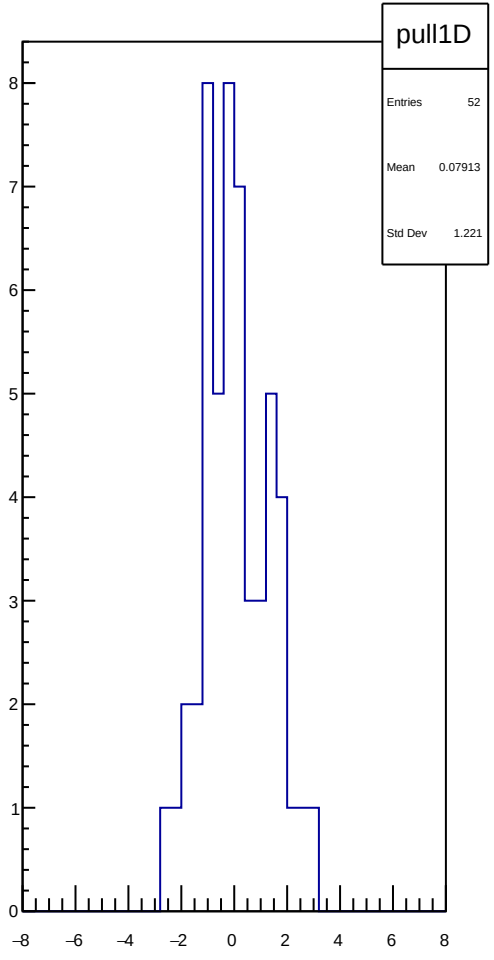

pull1D
Entries 52
Mean 0.01225
Std Dev 0.9742

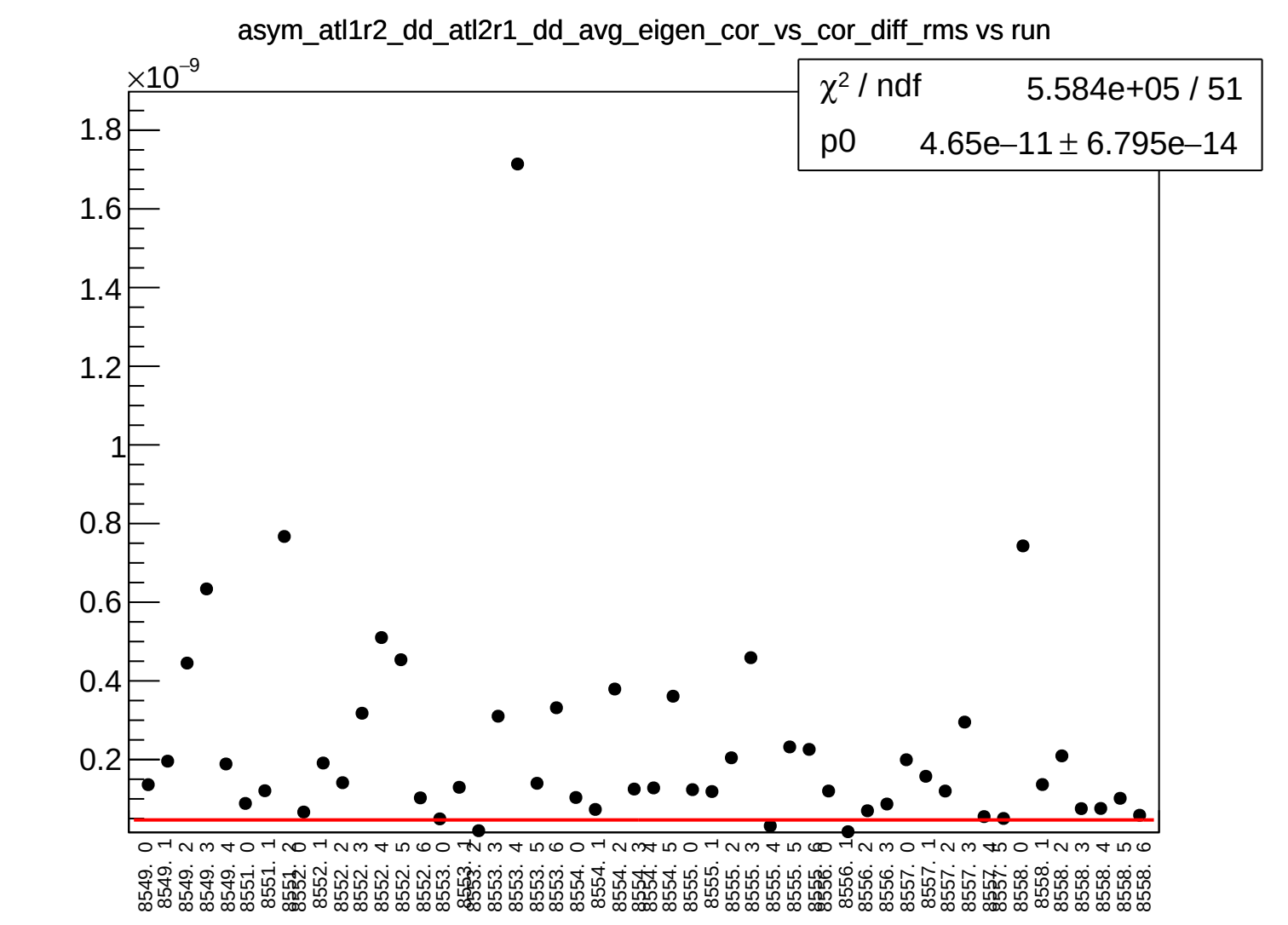

asym_atl1r2_dd_atl2r1_dd_avg_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 2.431e+05 / 51
p0 250.5 ± 0.283
6000
5000
4000
3000
2000
1000
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

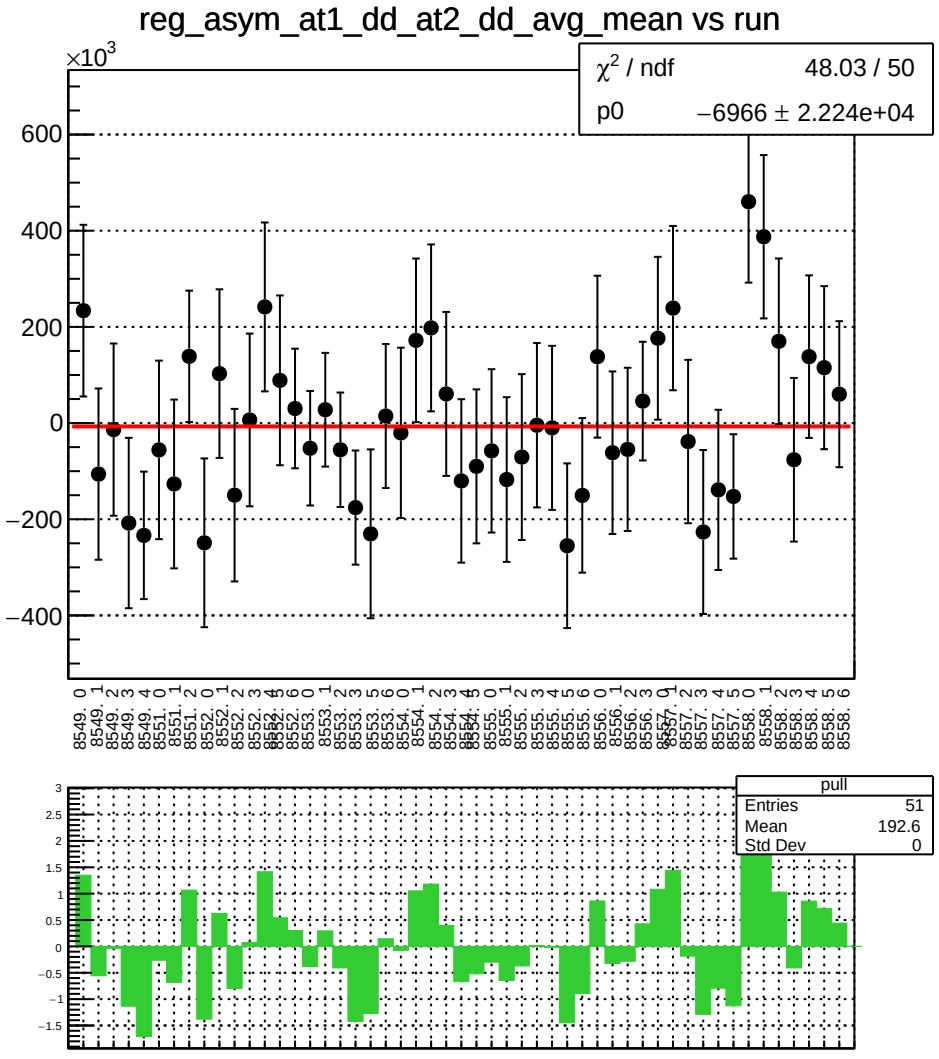

asym_atl1r2_dd_atl2r1_dd_avg_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 49.36 / 51
p0 −0.1026 ± 0.4002
pull
Entries 52
Mean −86.53
Std Dev 0
pull1D
Entries 52
Mean 0.01225
Std Dev 0.9742

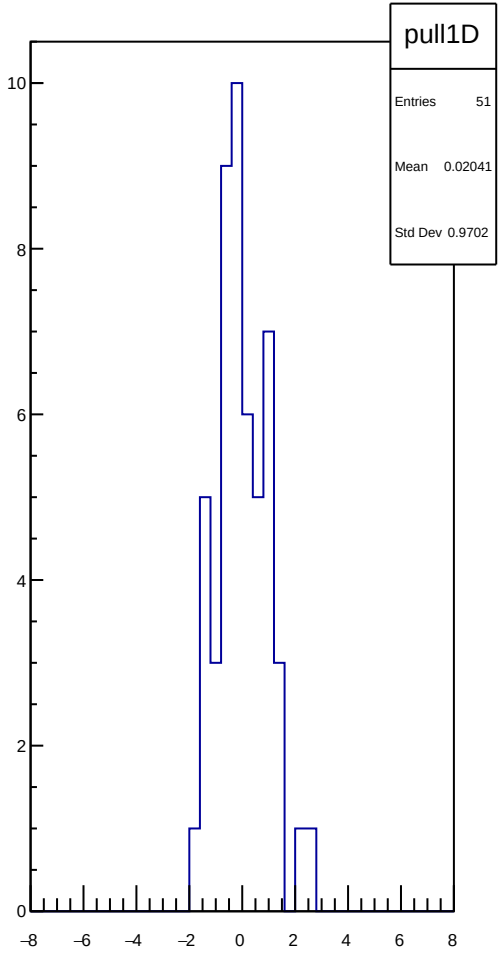

asym_atl1r2_dd_atl2r1_dd_avg_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 2.431e+05 / 51
p0 250.5 ± 0.283
6000
5000
4000
3000
2000
1000
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 0
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 1
8553. 2
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 5
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

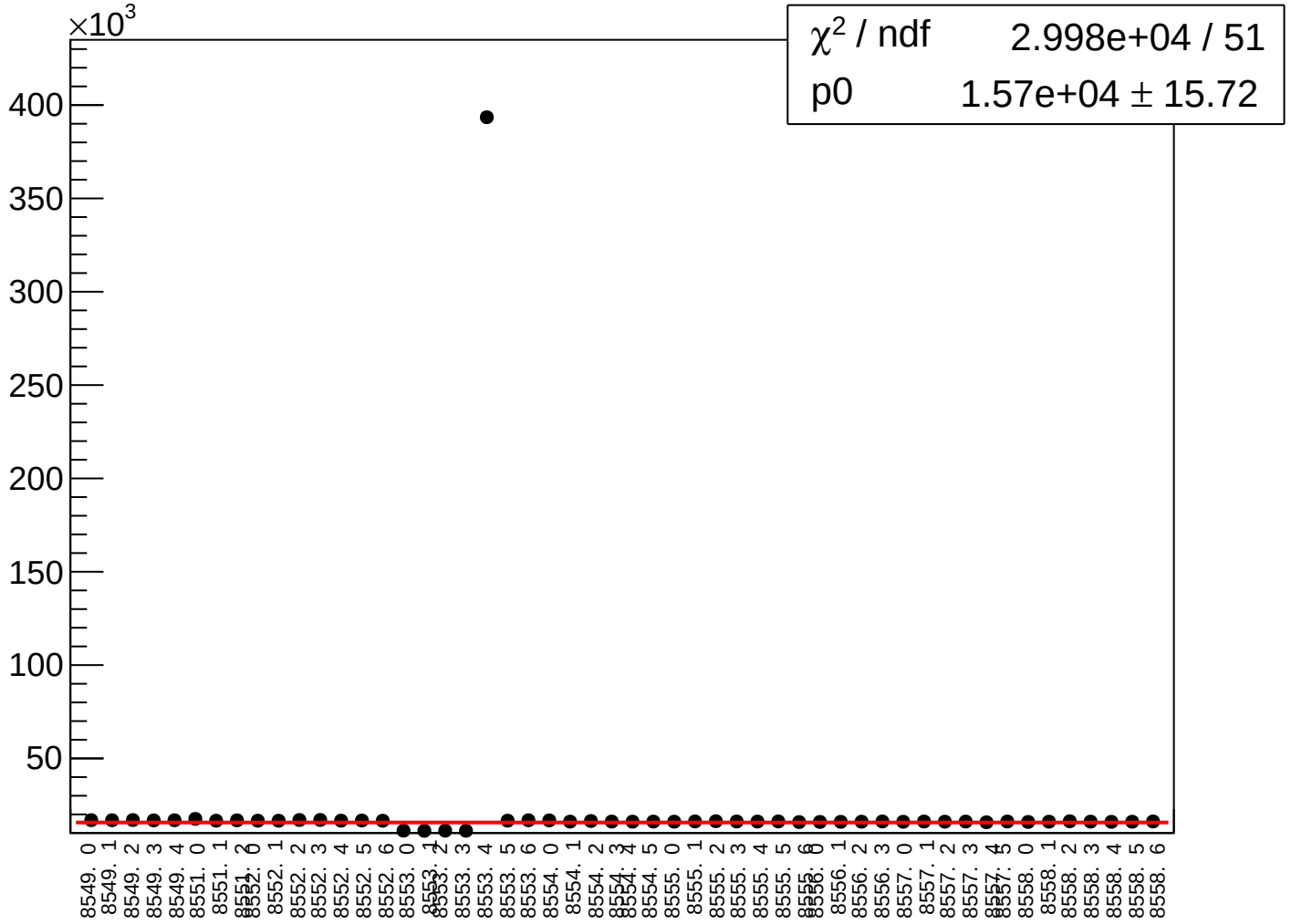

asym_atl1r2_dd_atl2r1_dd_avg_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 77.79 / 51
p0 1.293e−13 ± 9.61e−14
pull
Entries 52
Mean 50.54
Std Dev 0

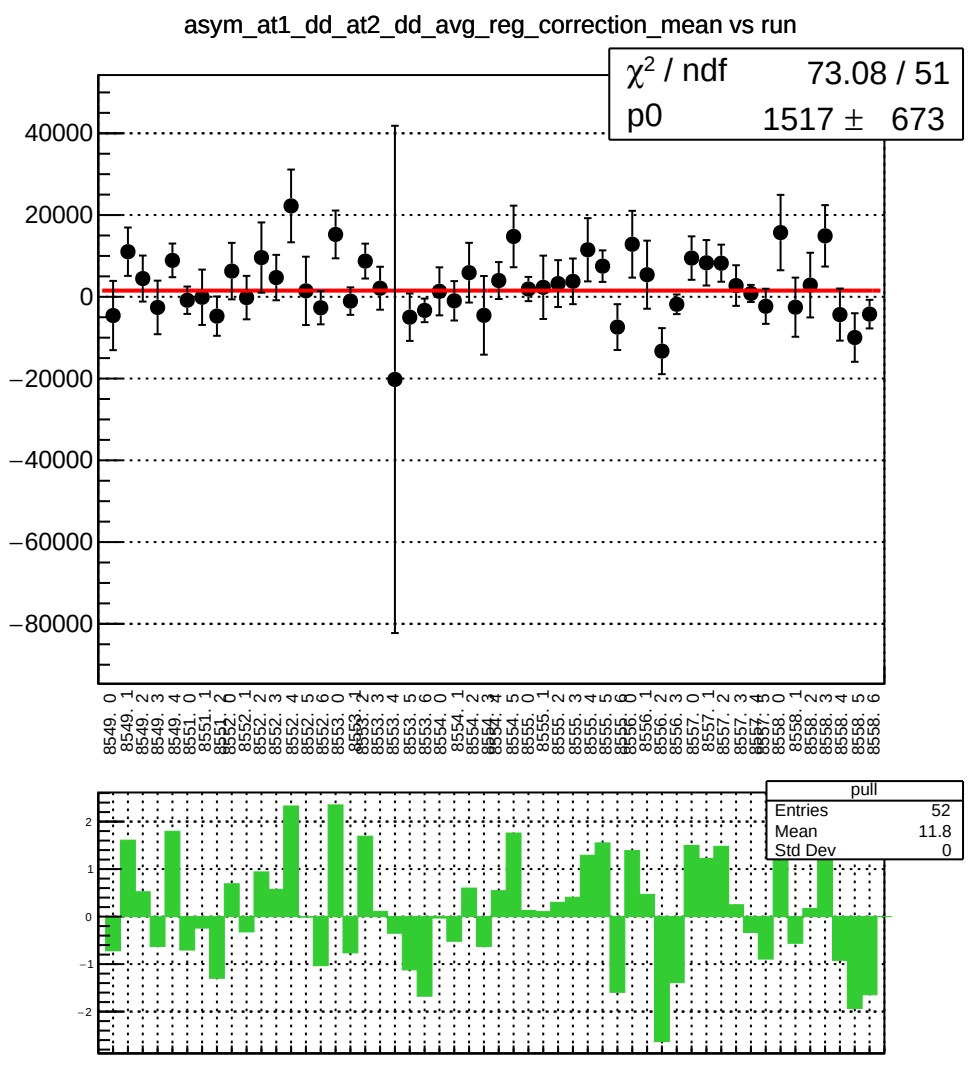

pull1D
Entries 52
Mean 0.07913
Std Dev 1.221

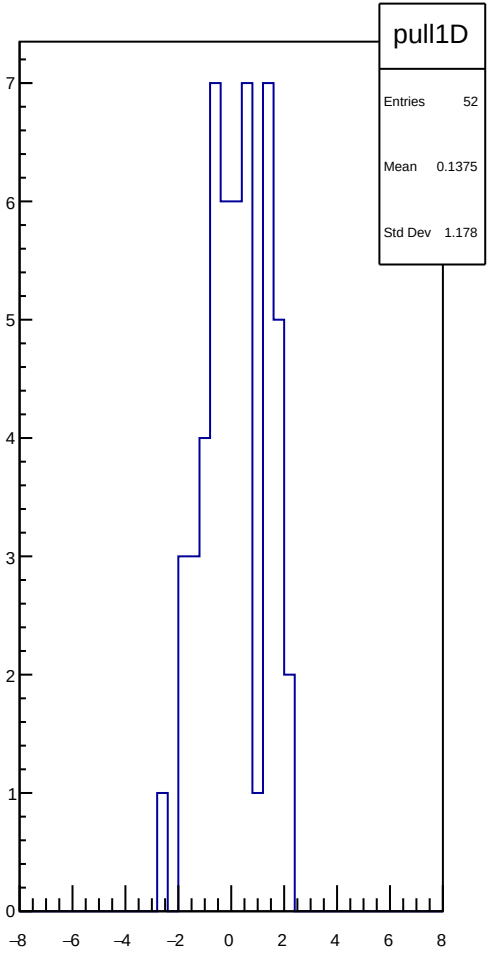

asym_atl1r2_dd_atl2r1_dd_avg_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 5.584e+05 / 51
p0 4.65e−11 ± 6.795e−14
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 0
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 2
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 5
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

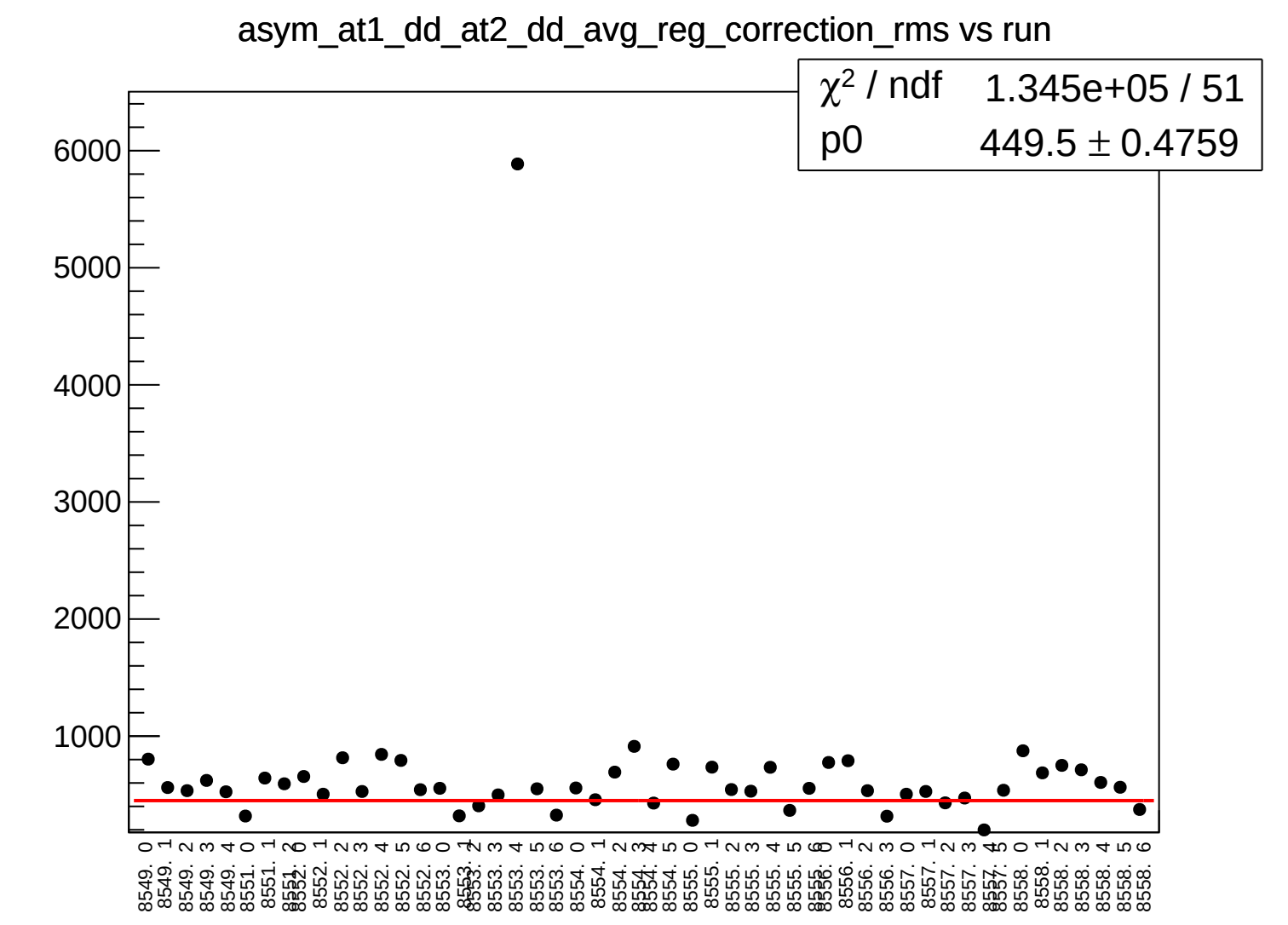

reg_asym_at1_dd_at2_dd_avg_mean vs run
×10^3
χ² / ndf 48.03 / 50
p0 −6966 ± 2.224e+04
600
400
200
0
−200
−400
pull
Entries 51
Mean 192.6
Std Dev 0
3
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5

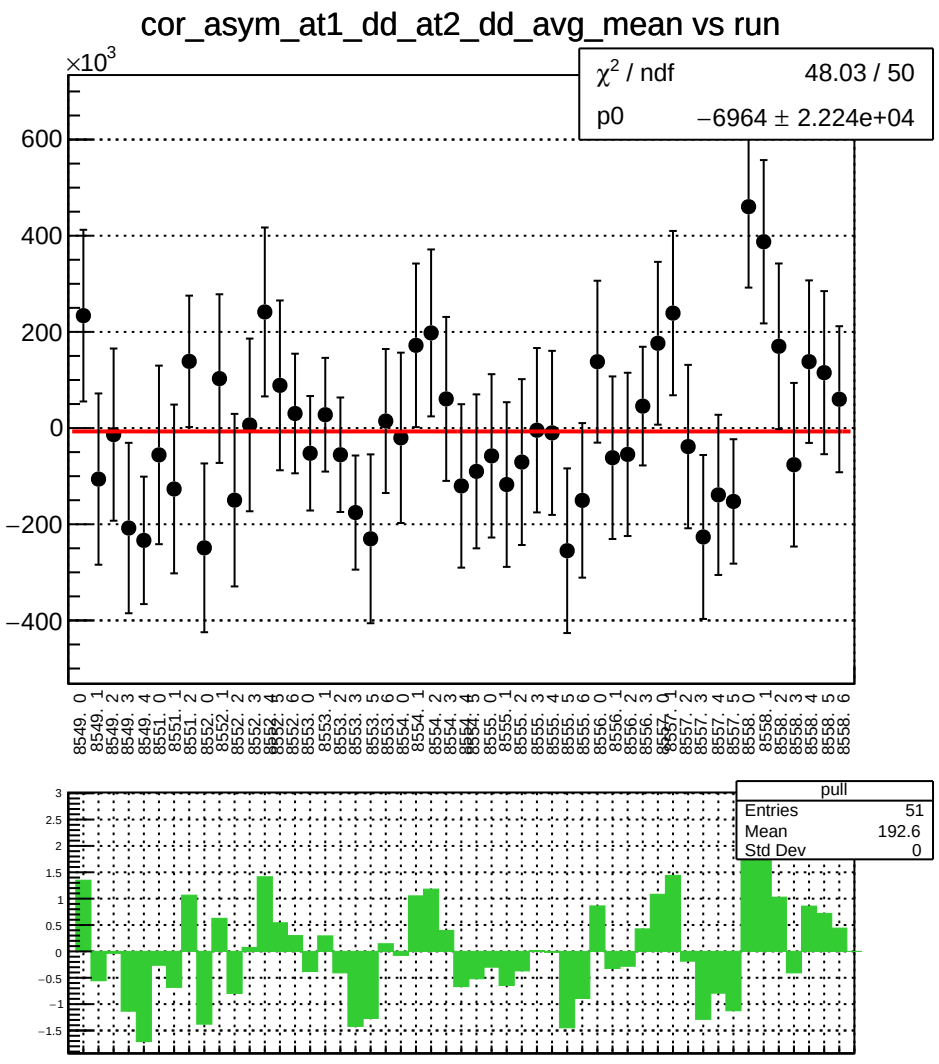

pull1D
Entries 51
Mean 0.02041
Std Dev 0.9702
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

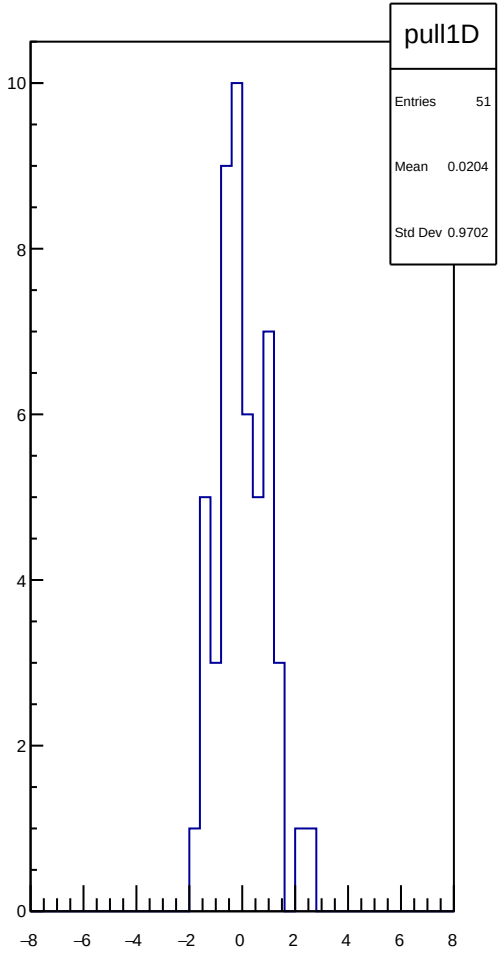

reg_asym_at1_dd_at2_dd_avg_rms vs run
×10^3
400
350
300
250
200
150
100
50
χ² / ndf 2.998e+04 / 51
p0 1.57e+04 ± 15.72
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 5
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

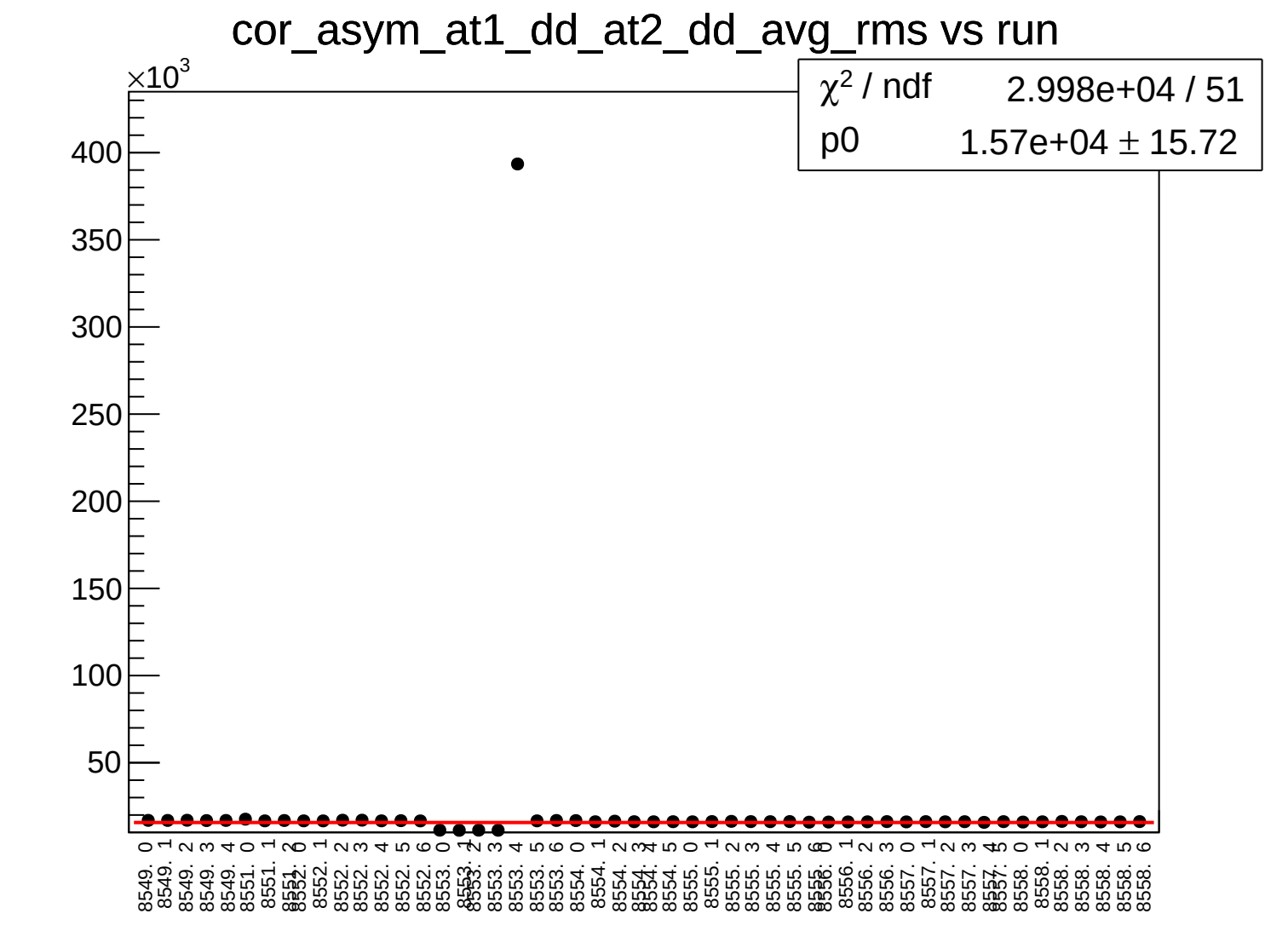

asym_at1_dd_at2_dd_avg_reg_correction_mean vs run
χ² / ndf 73.08 / 51
p0 1517 ± 673
40000
20000
0
−20000
−40000
−60000
−80000
pull
Entries 52
Mean 11.8
Std Dev 0
2
1
0
−1
−2

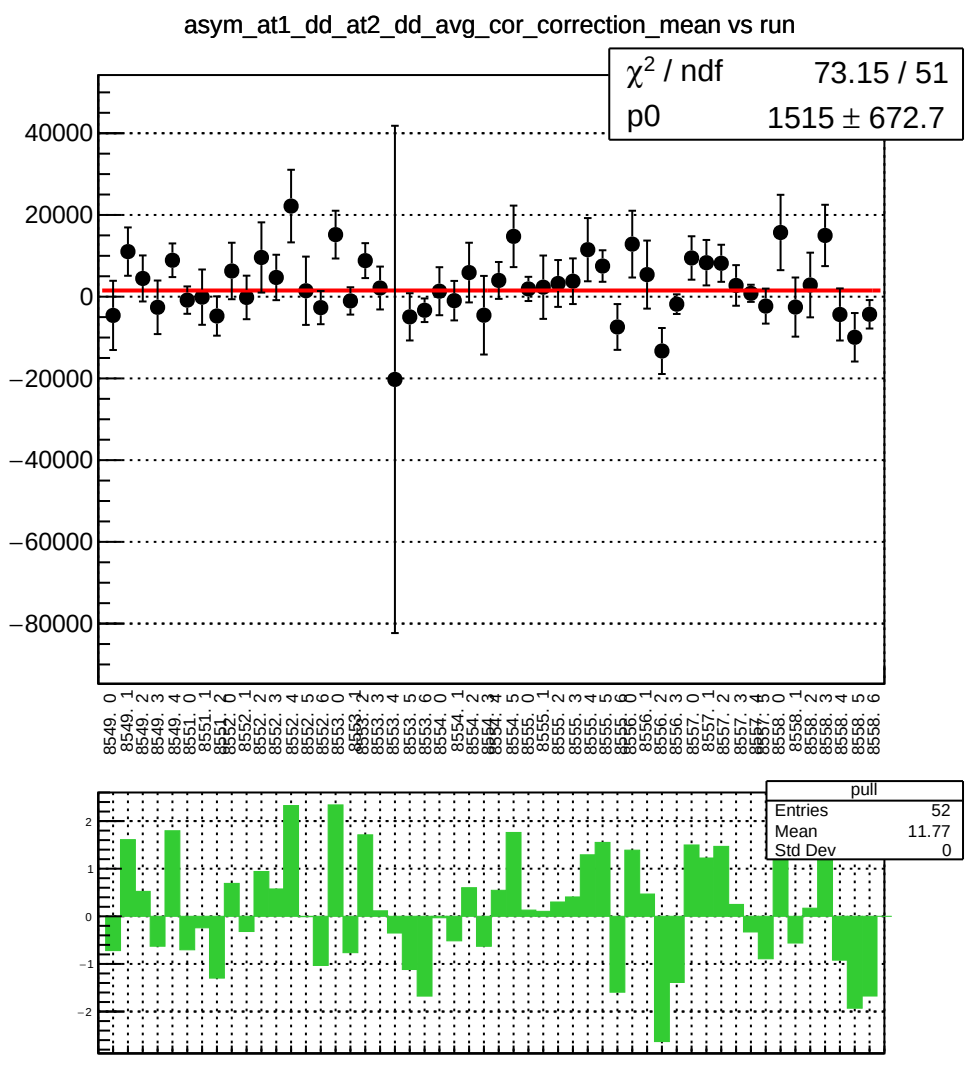

pull1D
Entries 52
Mean 0.1375
Std Dev 1.178
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

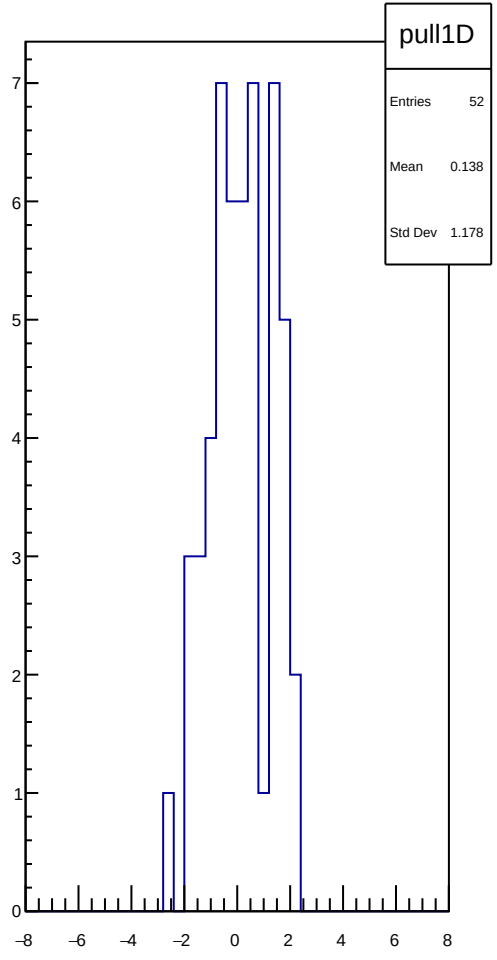

asym_at1_dd_at2_dd_avg_reg_correction_rms vs run
χ² / ndf 1.345e+05 / 51
p0 449.5 ± 0.4759
6000
5000
4000
3000
2000
1000
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

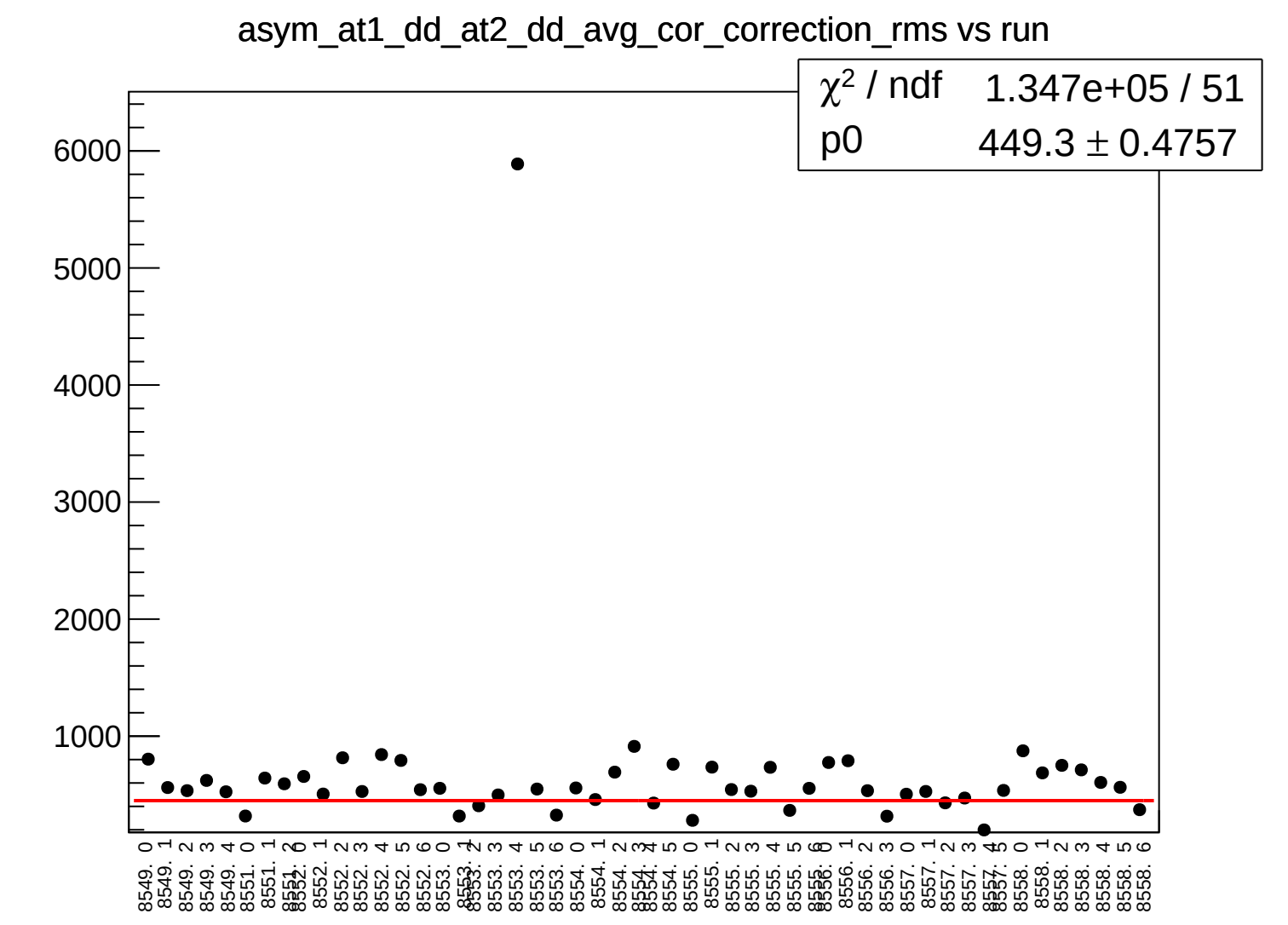

cor_asym_at1_dd_at2_dd_avg_mean vs run
×10^3
χ² / ndf 48.03 / 50
p0 −6964 ± 2.224e+04
600
400
200
0
−200
−400
pull
Entries 51
Mean 192.6
Std Dev 0

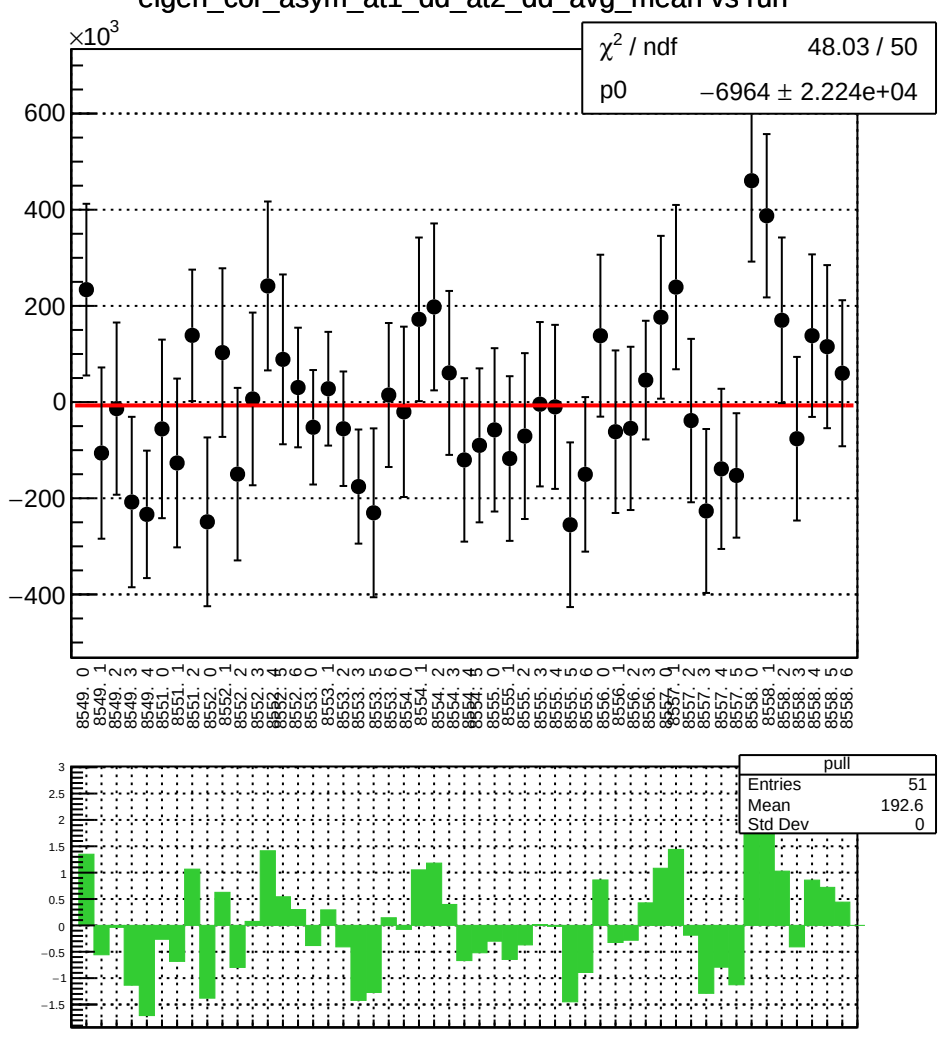

pull1D
Entries 51
Mean 0.0204
Std Dev 0.9702

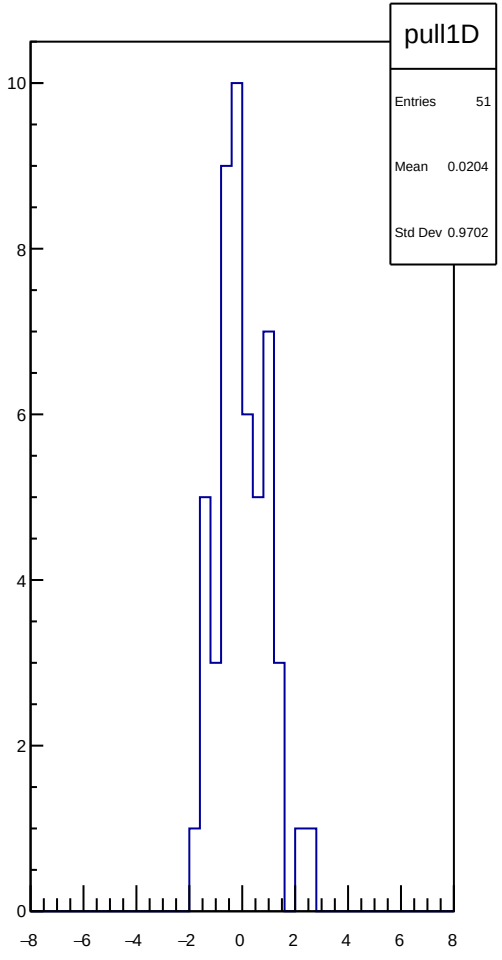

cor_asym_at1_dd_at2_dd_avg_rms vs run
×10^3
400
350
300
250
200
150
100
50
χ² / ndf 2.998e+04 / 51
p0 1.57e+04 ± 15.72
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 5
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

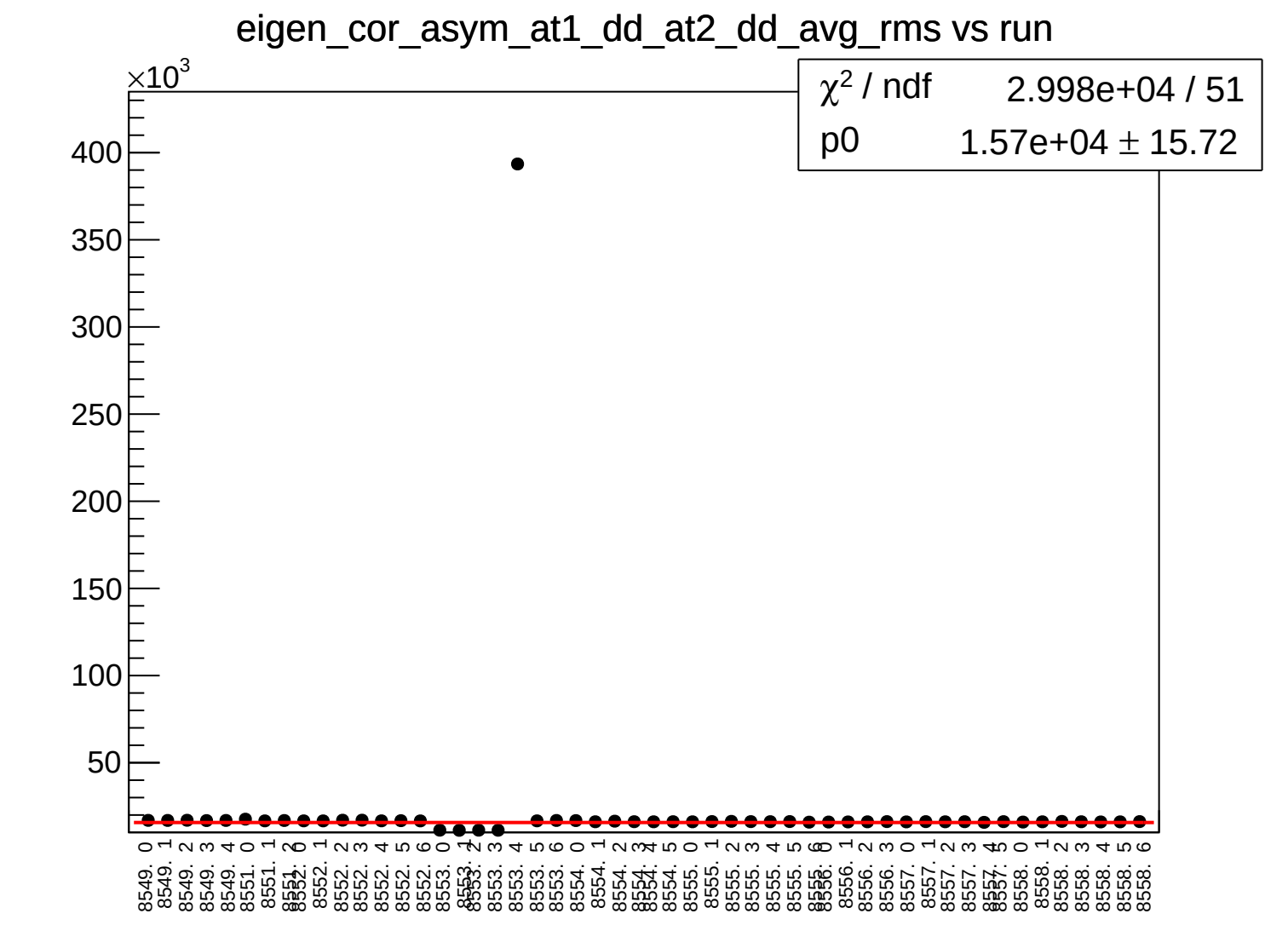

asym_at1_dd_at2_dd_avg_cor_correction_mean vs run
χ² / ndf 73.15 / 51
p0 1515 ± 672.7
40000
20000
0
−20000
−40000
−60000
−80000
pull
Entries 52
Mean 11.77
Std Dev 0
2
1
0
−1
−2

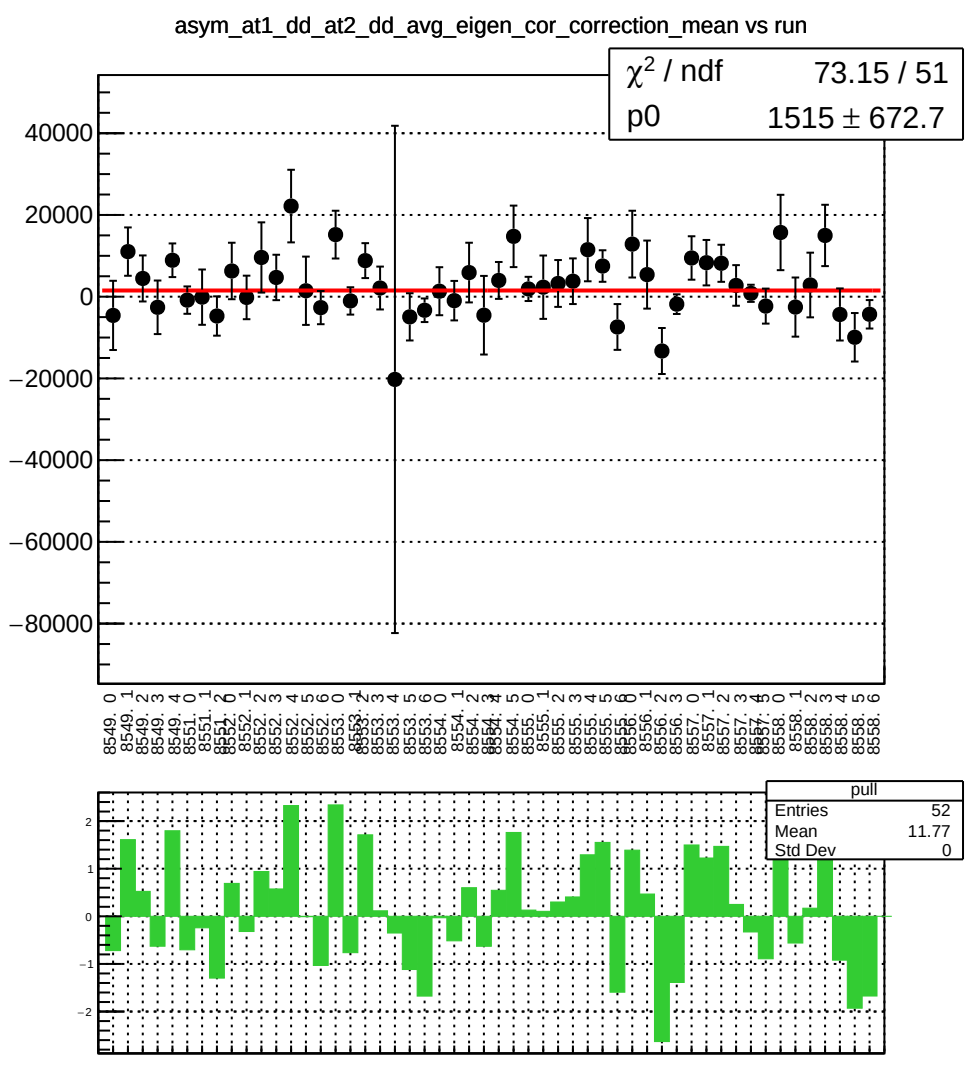

pull1D
Entries 52
Mean 0.138
Std Dev 1.178
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

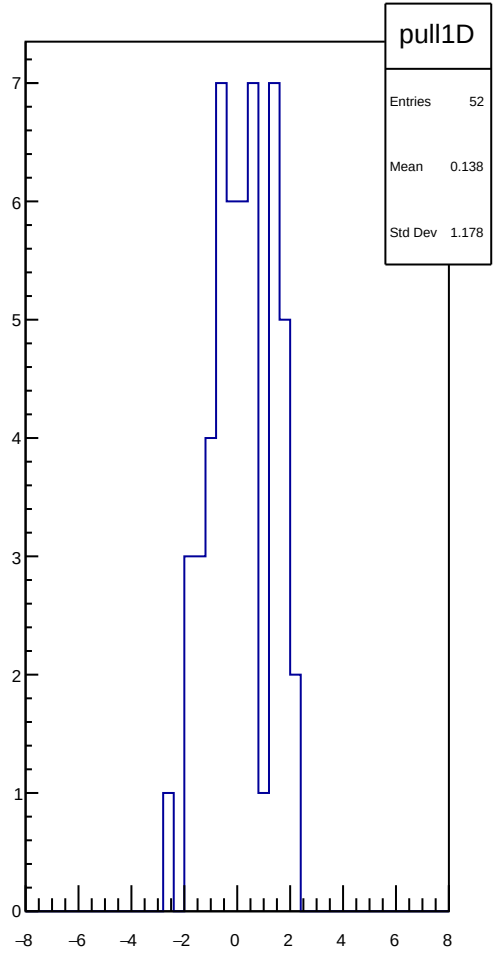

asym_at1_dd_at2_dd_avg_cor_correction_rms vs run
χ² / ndf 1.347e+05 / 51
p0 449.3 ± 0.4757
6000
5000
4000
3000
2000
1000
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

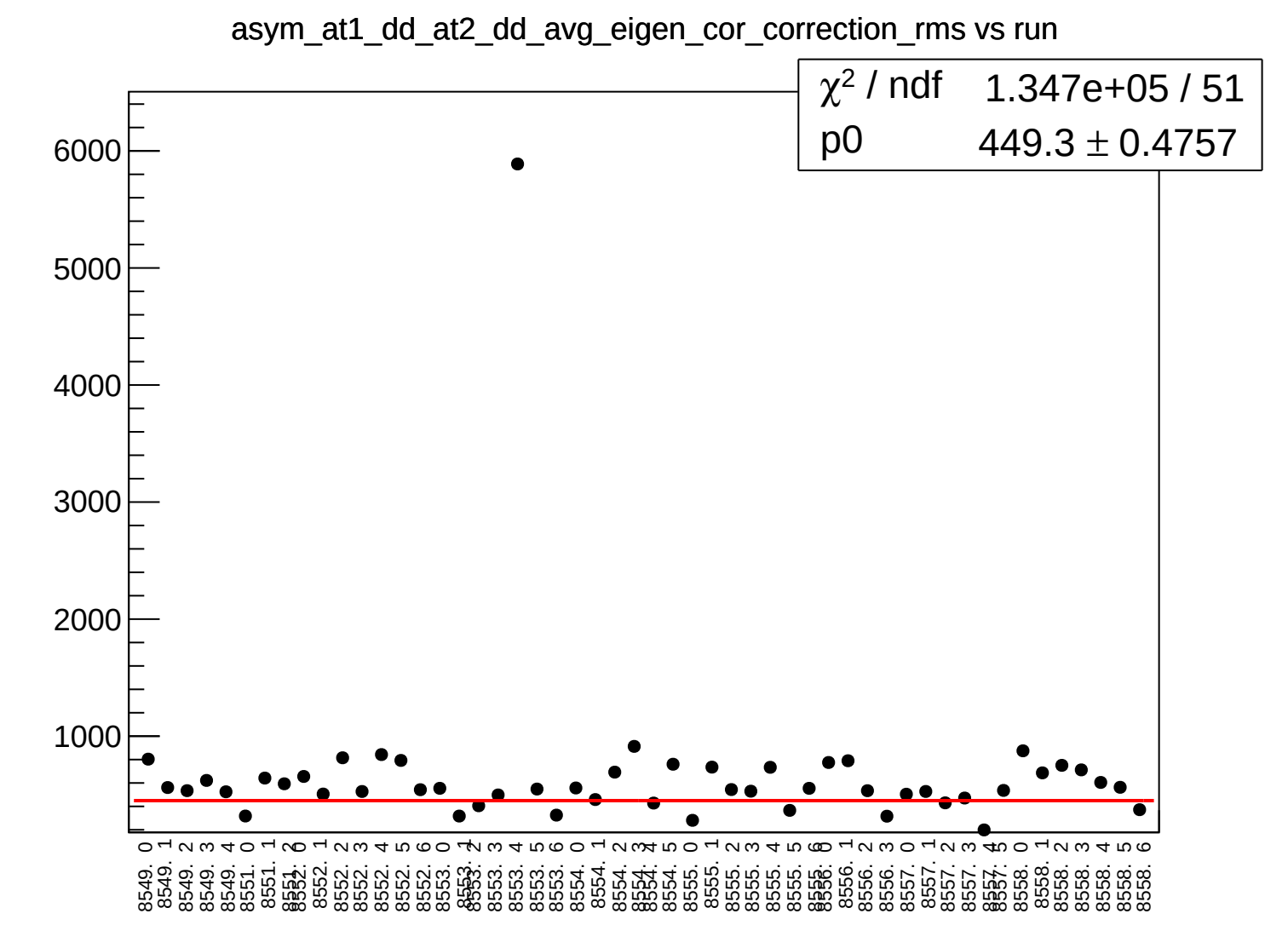

eigen_cor_asym_at1_dd_at2_dd_avg_mean vs run
χ² / ndf 48.03 / 50
p0 −6964 ± 2.224e+04
pull
Entries 51
Mean 192.6
Std Dev 0


pull1D
Entries 51
Mean 0.0204
Std Dev 0.9702


eigen_cor_asym_at1_dd_at2_dd_avg_rms vs run
×10^3
400
350
300
250
200
150
100
50
χ² / ndf 2.998e+04 / 51
p0 1.57e+04 ± 15.72
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 0
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 1
8553. 2
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 3
8554. 4
8554. 5
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 0
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8557. 4
8557. 5
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6


asym_at1_dd_at2_dd_avg_eigen_cor_correction_mean vs run
χ² / ndf 73.15 / 51
p0 1515 ± 672.7
40000
20000
0
−20000
−40000
−60000
−80000
pull
Entries 52
Mean 11.77
Std Dev 0
2
1
0
−1
−2


pull1D
Entries 52
Mean 0.138
Std Dev 1.178
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 1.347e+05 / 51
p0 449.3 ± 0.4757
6000
5000
4000
3000
2000
1000
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
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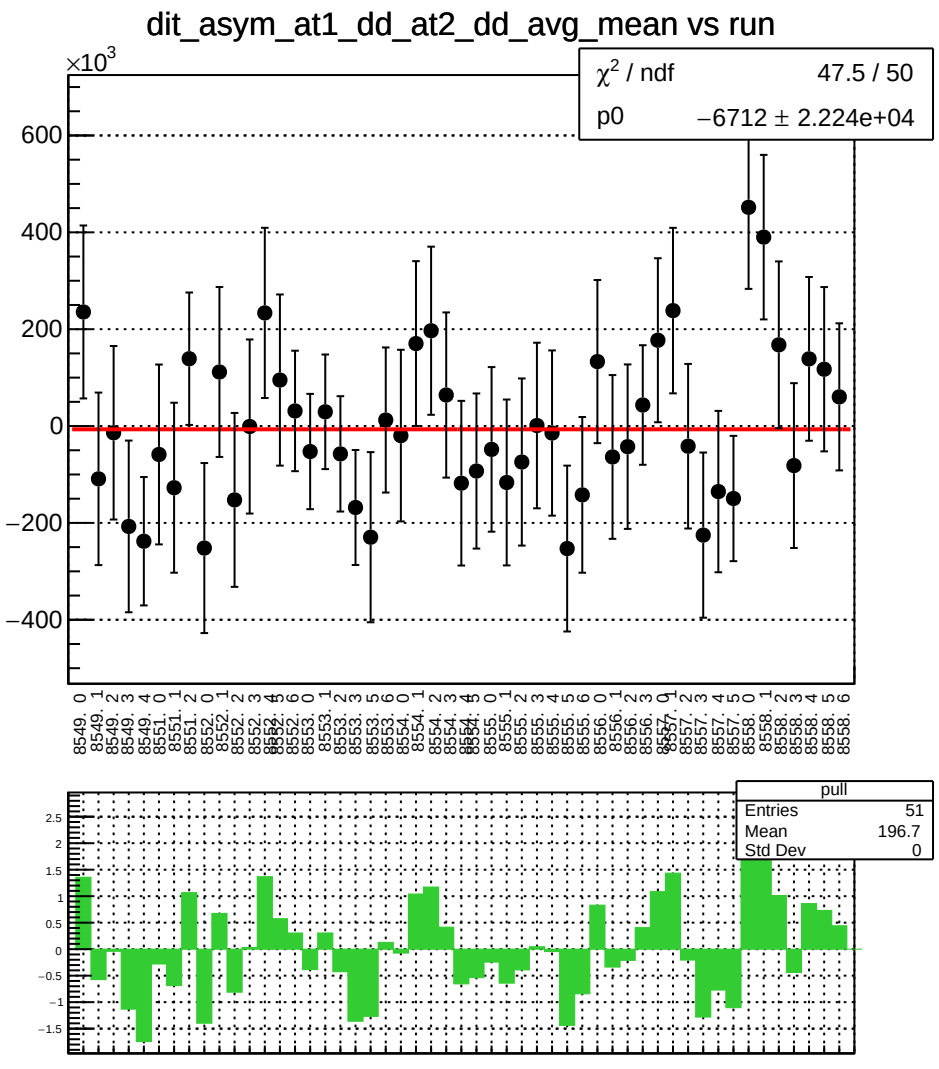
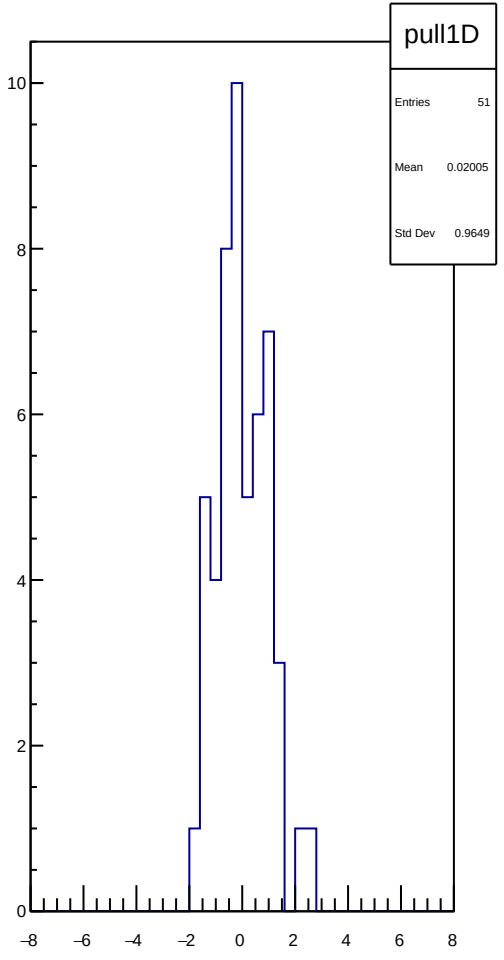
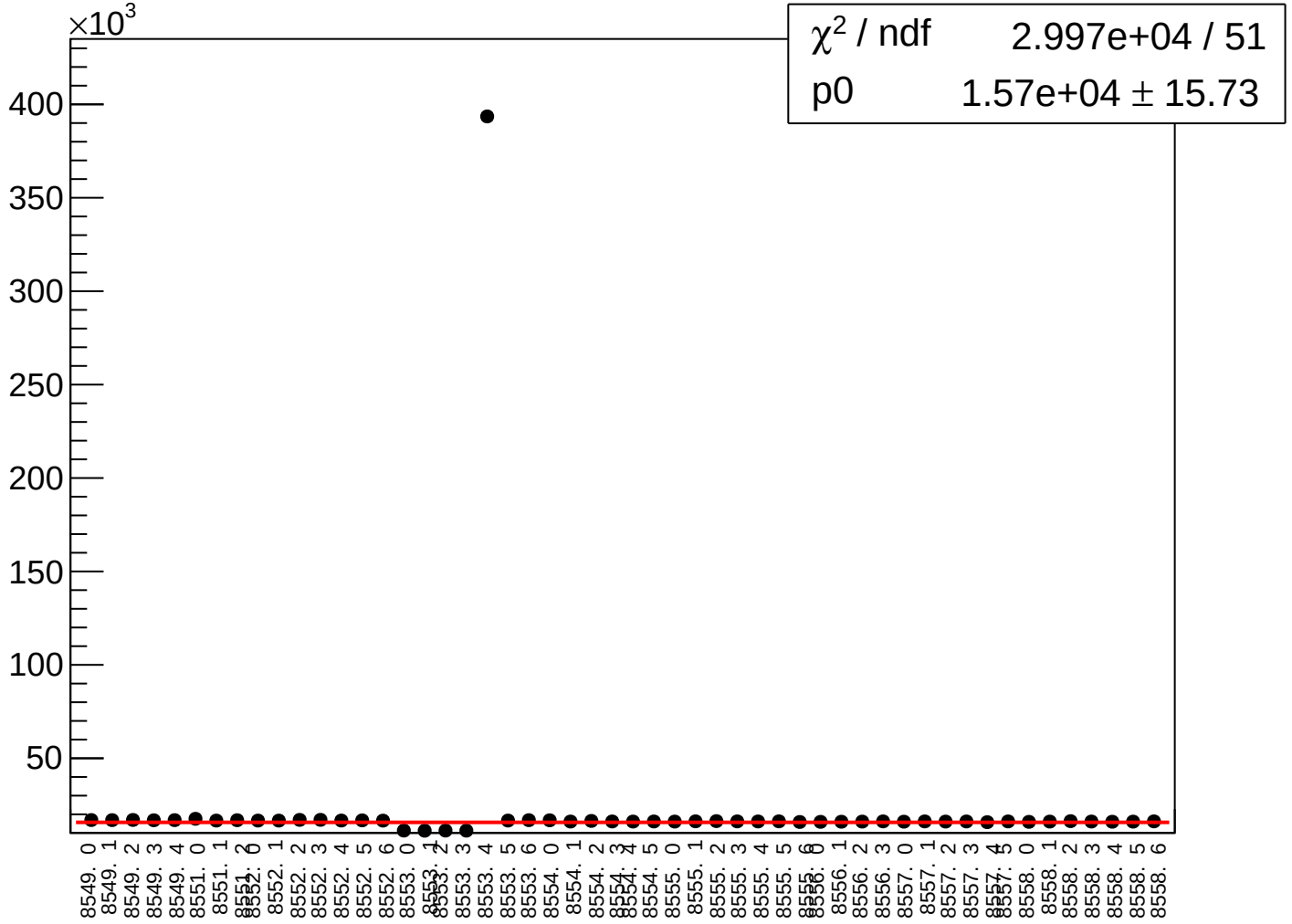
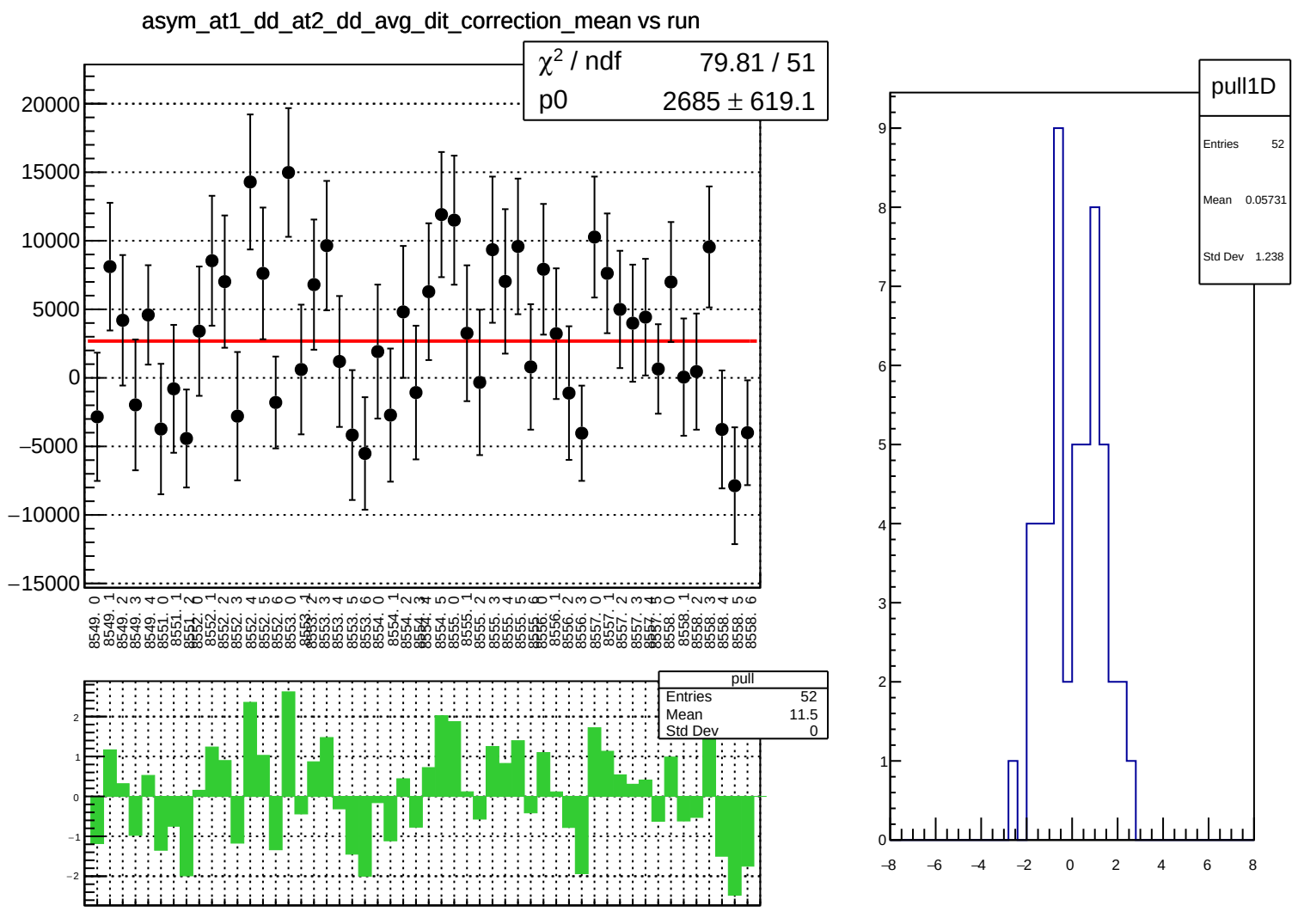
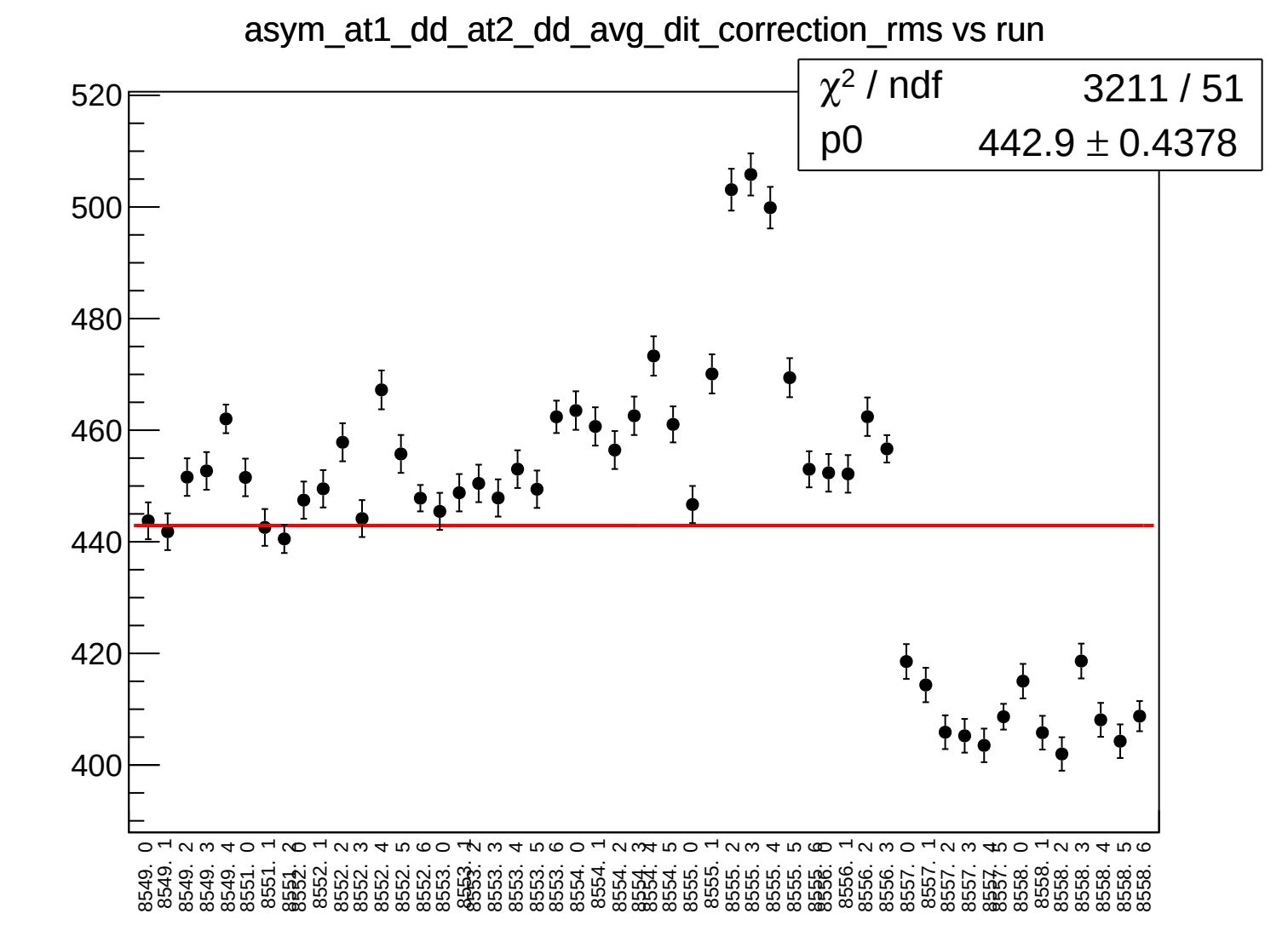
8558. 5
8558. 6


dit_asym_at1_dd_at2_dd_avg_mean vs run
×10^3
χ² / ndf 47.5 / 50
p0 −6712 ± 2.224e+04
600
400
200
0
−200
−400
pull
Entries 51
Mean 196.7
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5


pull1D
Entries 51
Mean 0.02005
Std Dev 0.9649
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
×10^3
400
350
300
250
200
150
100
50
χ² / ndf 2.997e+04 / 51
p0 1.57e+04 ± 15.73
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 5
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6


asym_at1_dd_at2_dd_avg_dit_correction_mean vs run
χ² / ndf 79.81 / 51
p0 2685 ± 619.1
pull
Entries 52
Mean 11.5
Std Dev 0
pull1D
Entries 52
Mean 0.05731
Std Dev 1.238


asym_at1_dd_at2_dd_avg_dit_correction_rms vs run
χ² / ndf 3211 / 51
p0 442.9 ± 0.4378
520
500
480
460
440
420
400
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 5
8555. 0
8555. 1
8555. 2
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8556. 1
8556. 2
8556. 3
8557. 0
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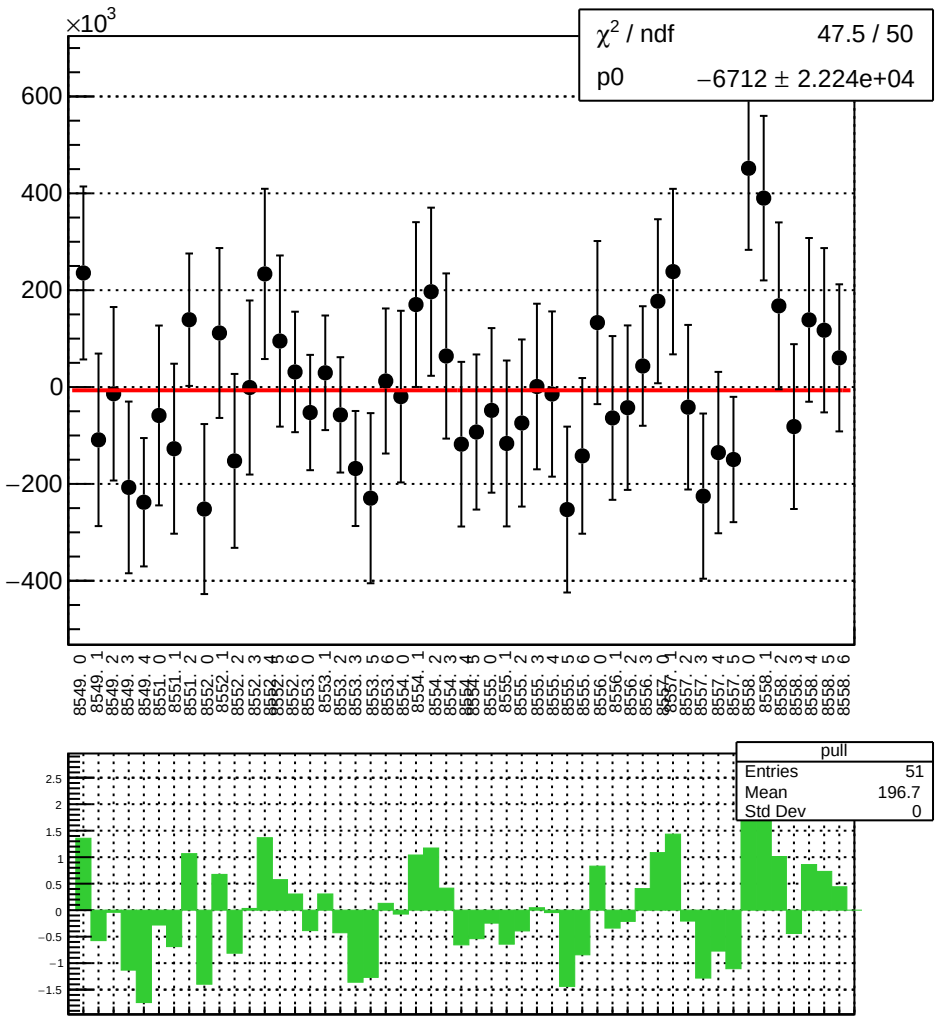
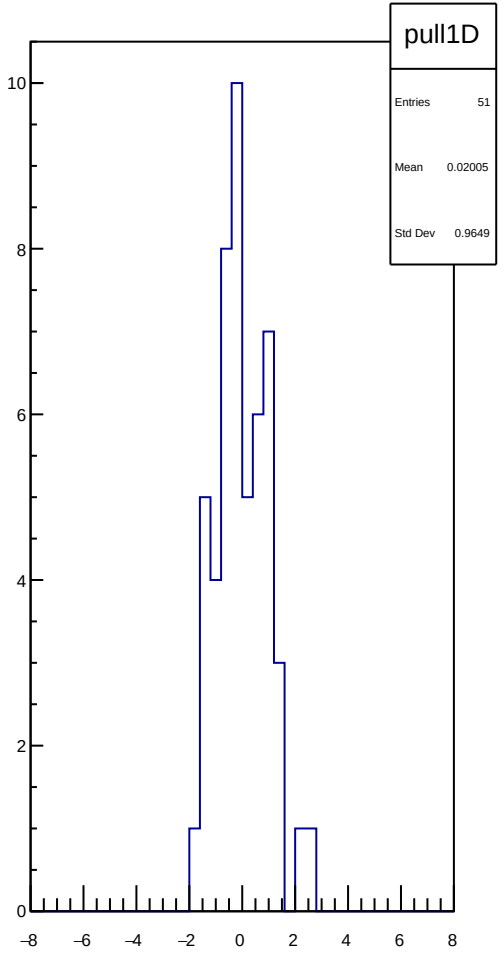
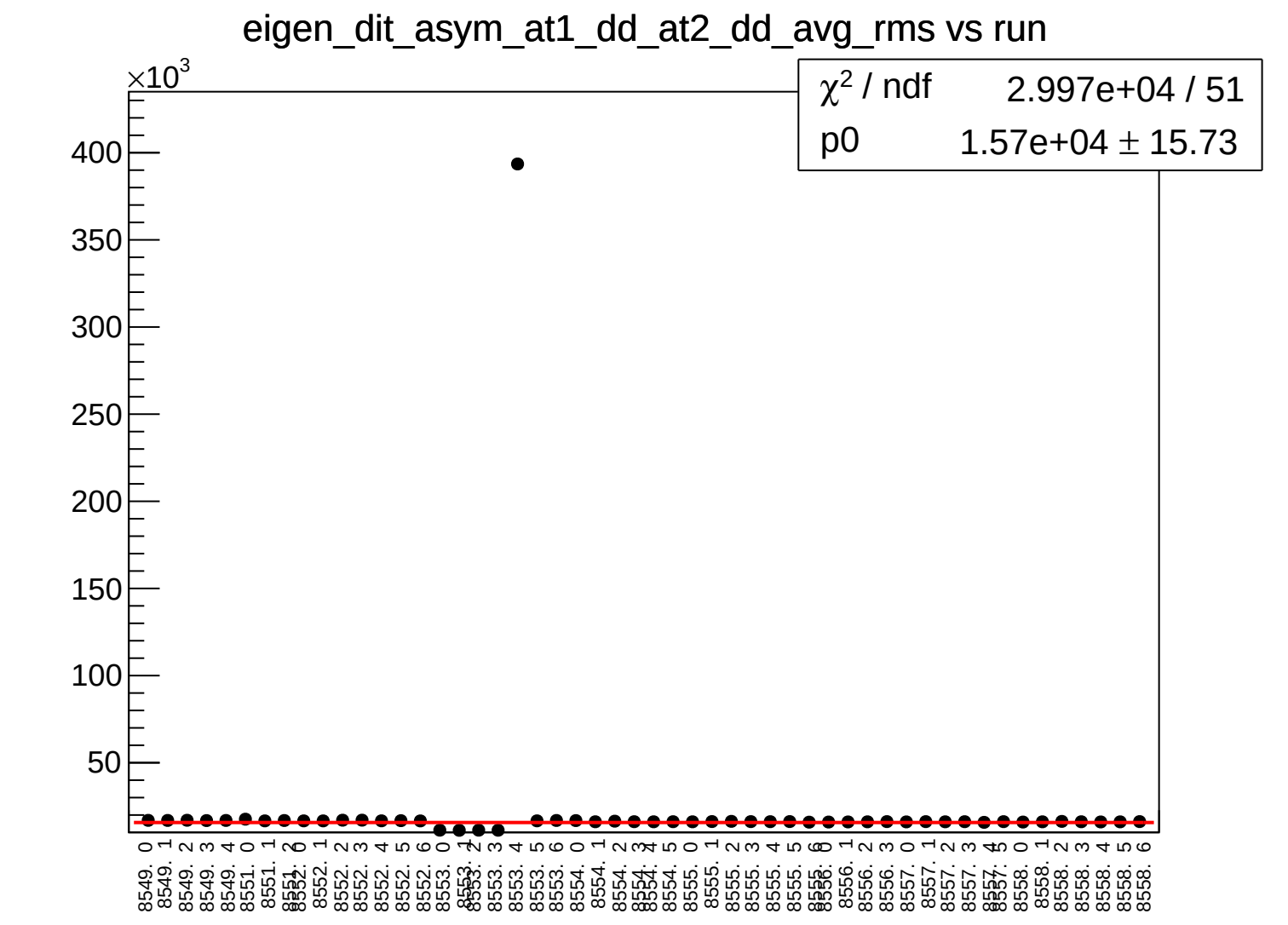
8558. 5
8558. 6


eigen_dit_asym_at1_dd_at2_dd_avg_mean vs run
×10^3
χ² / ndf 47.5 / 50
p0 −6712 ± 2.224e+04
600
400
200
0
−200
−400
pull
Entries 51
Mean 196.7
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5


pull1D
Entries 51
Mean 0.02005
Std Dev 0.9649
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
×10^3
400
350
300
250
200
150
100
50
χ² / ndf 2.997e+04 / 51
p0 1.57e+04 ± 15.73
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 0
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 1
8553. 2
8553. 3
8553. 4
8553. 5
8553. 6
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8554. 2
8554. 3
8554. 4
8554. 5
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
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8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
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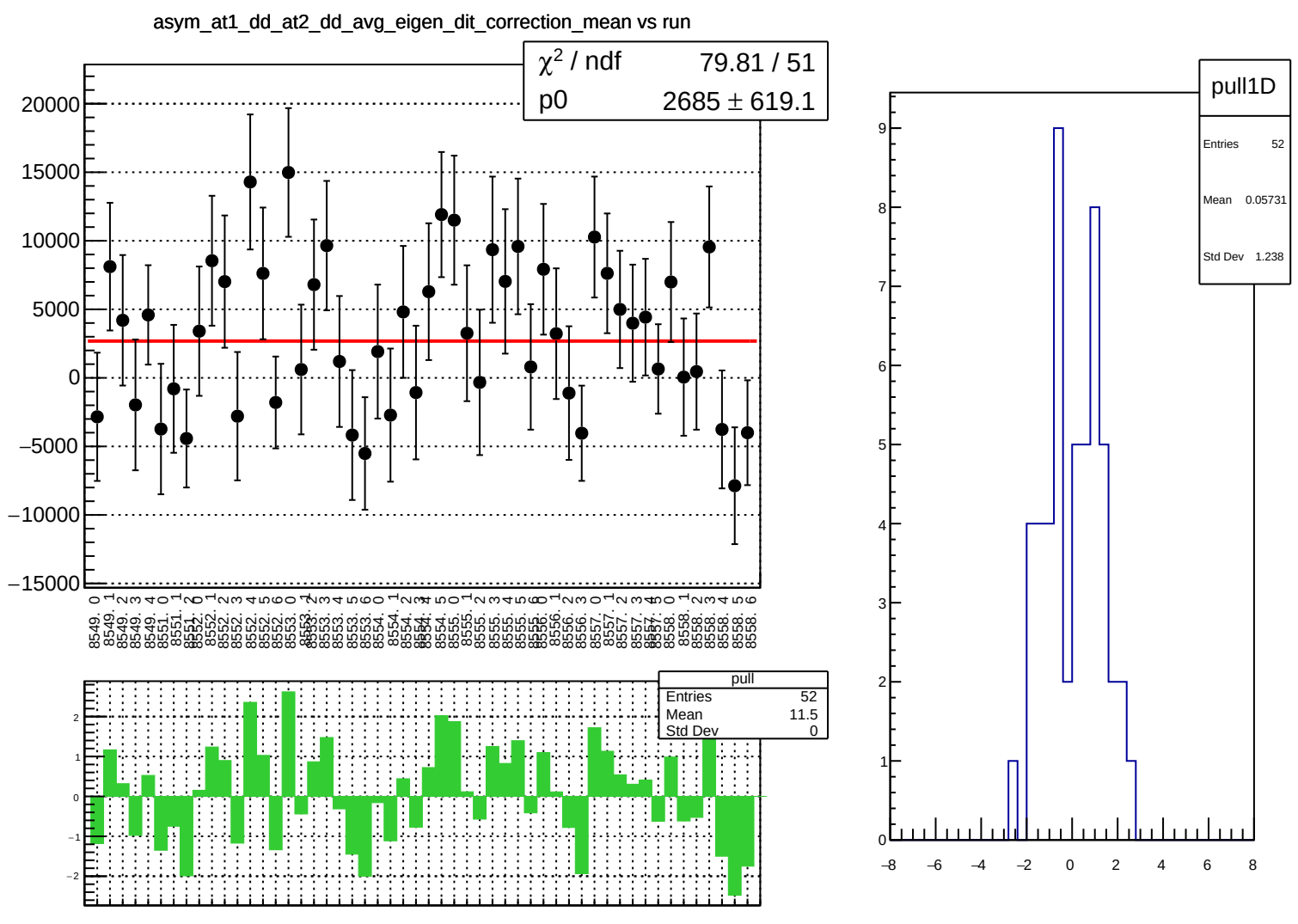
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6


asym_at1_dd_at2_dd_avg_eigen_dit_correction_mean vs run
χ² / ndf 79.81 / 51
p0 2685 ± 619.1
20000
15000
10000
5000
0
−5000
−10000
−15000
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8551. 2
8551. 6
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 1
8553. 2
8553. 3
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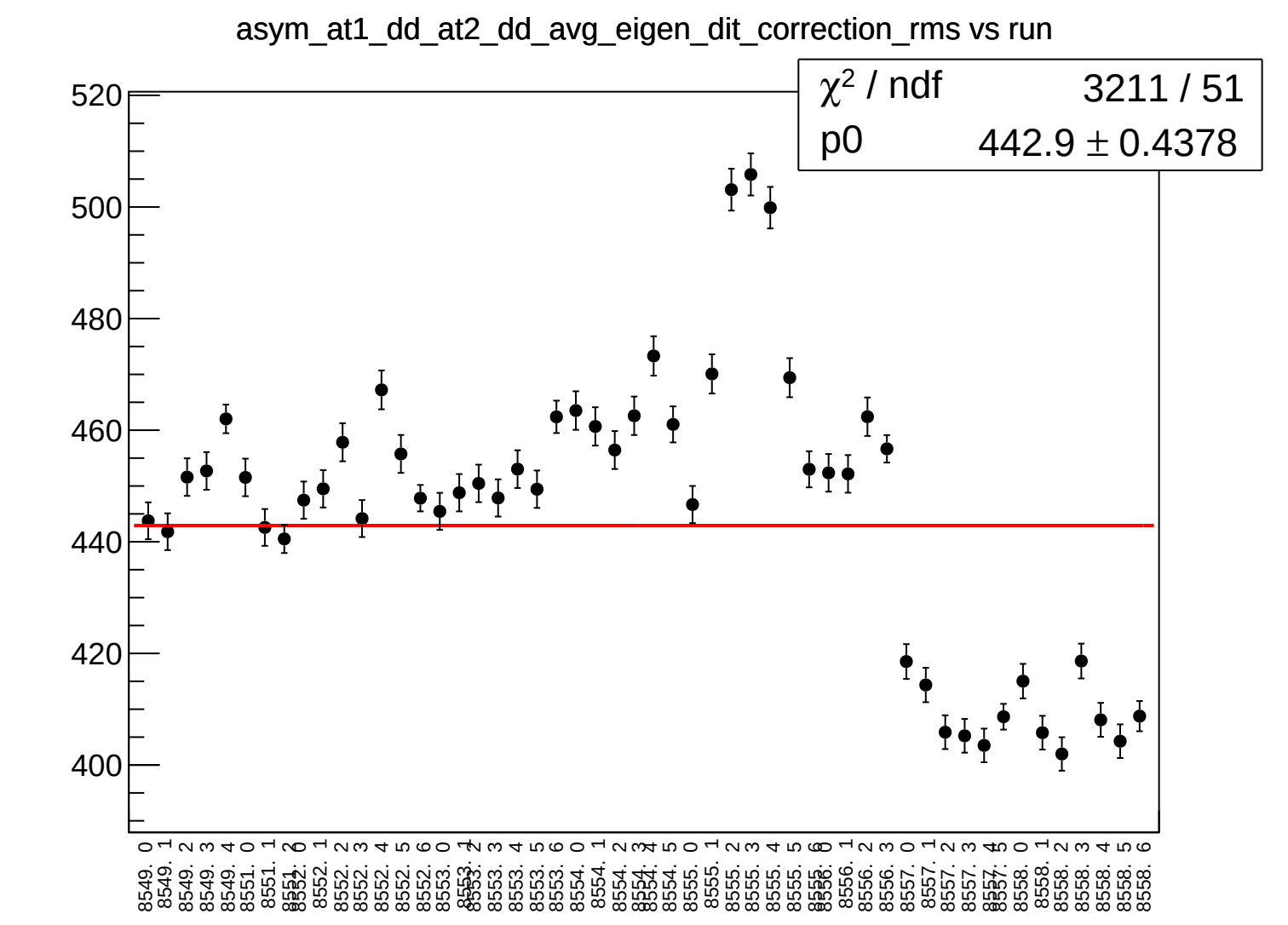
8554. 0
8554. 1
8554. 2
8554. 3
8554. 4
8554. 5
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8555. 6
8556. 0
8556. 1
8556. 2
8556. 3
8556. 4
8557. 0
8557. 1
8557. 2
8557. 3
8557. 4
8557. 5
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6
pull
Entries 52
Mean 11.5
Std Dev 0
2
1
0
−1
−2
pull1D
Entries 52
Mean 0.05731
Std Dev 1.238
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 3211 / 51
p0 442.9 ± 0.4378
520
500
480
460
440
420
400
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
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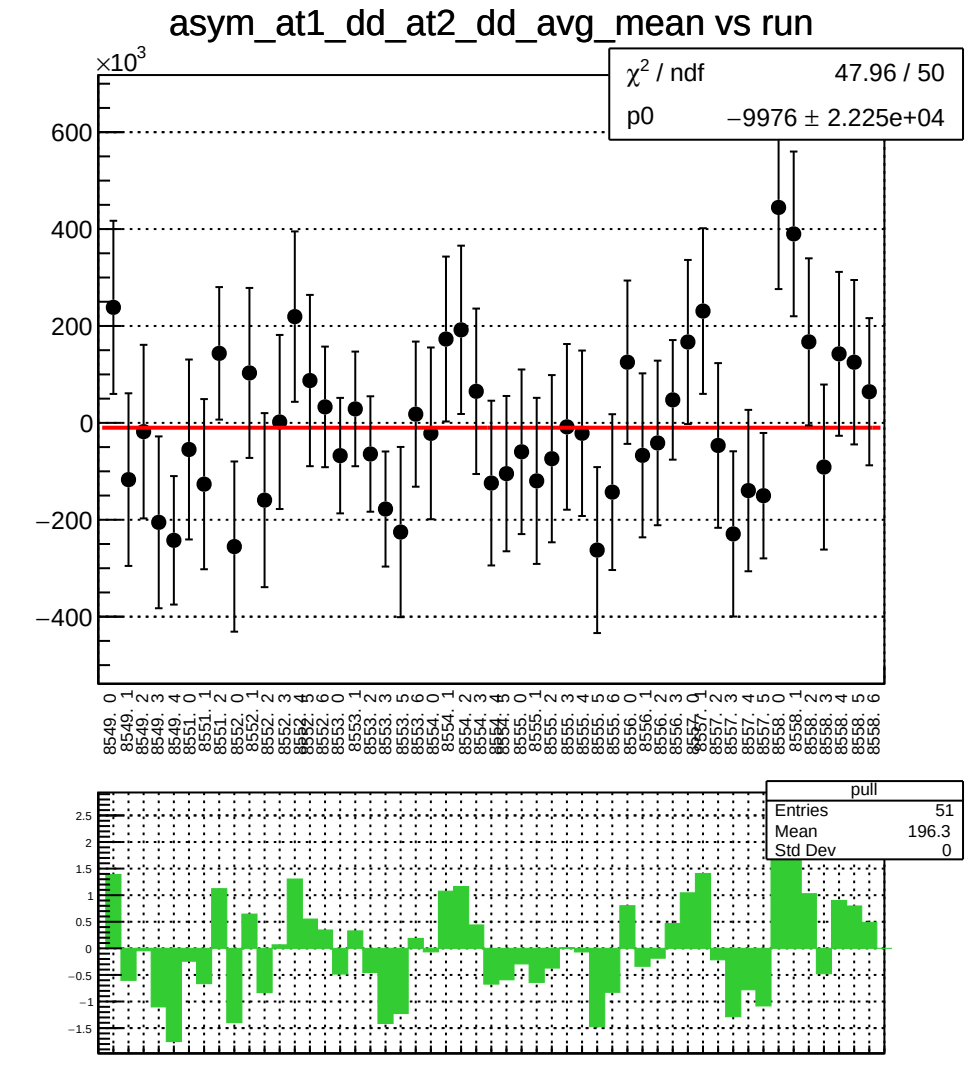
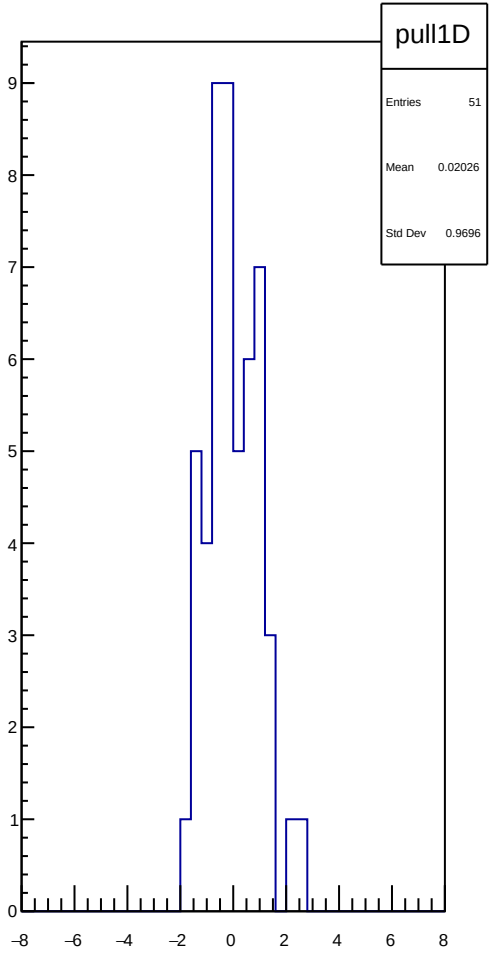
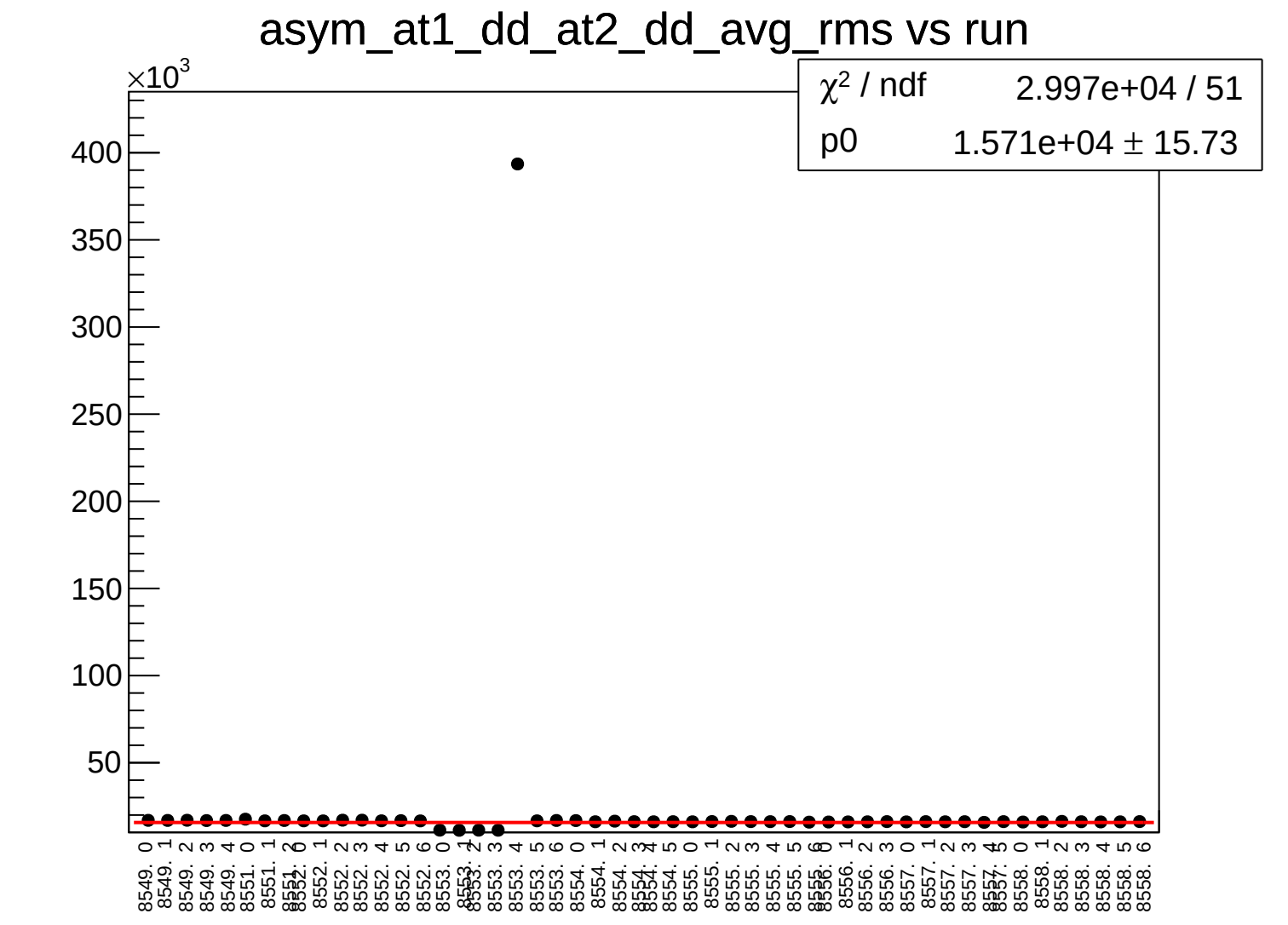
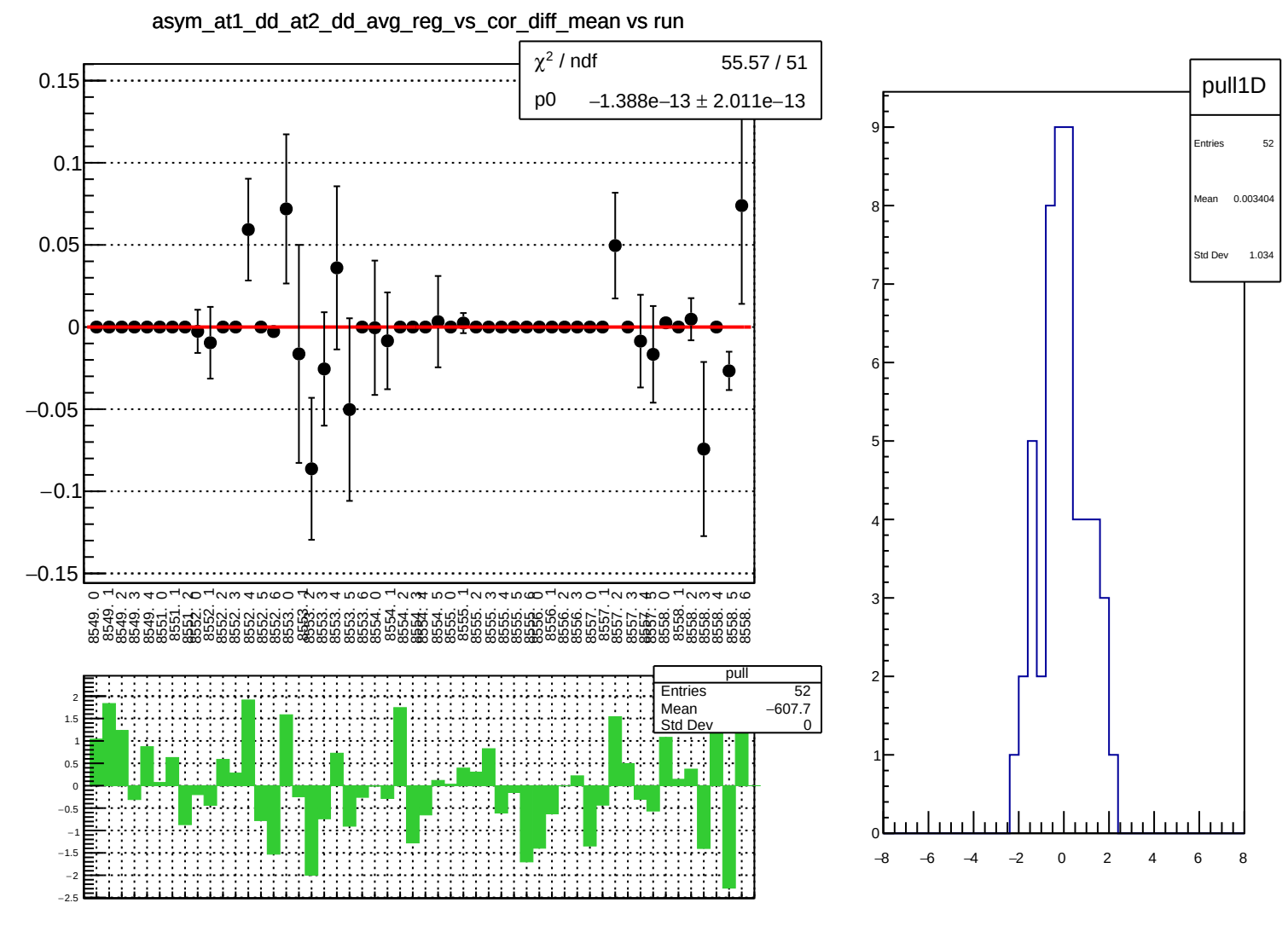
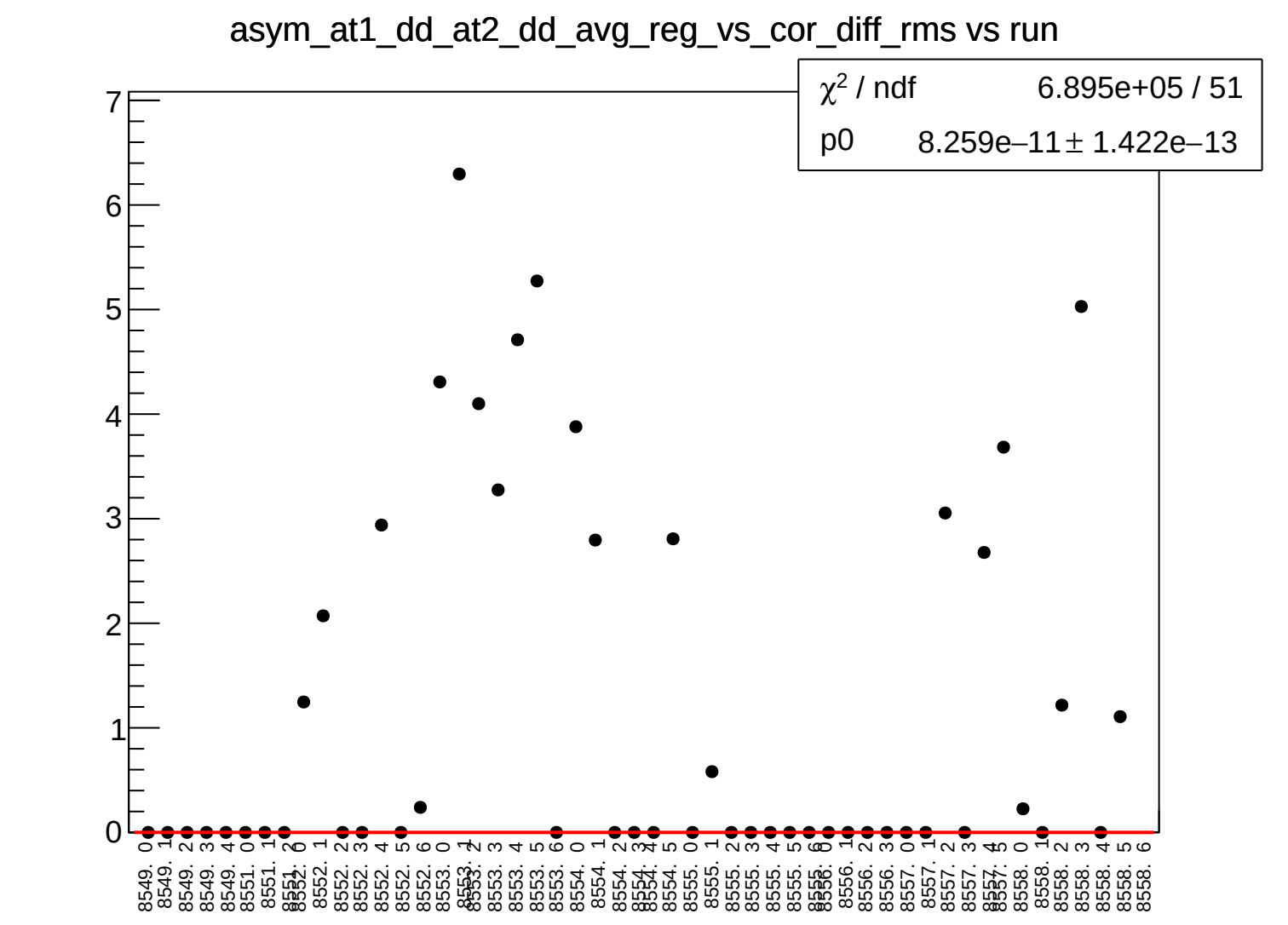
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 5
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

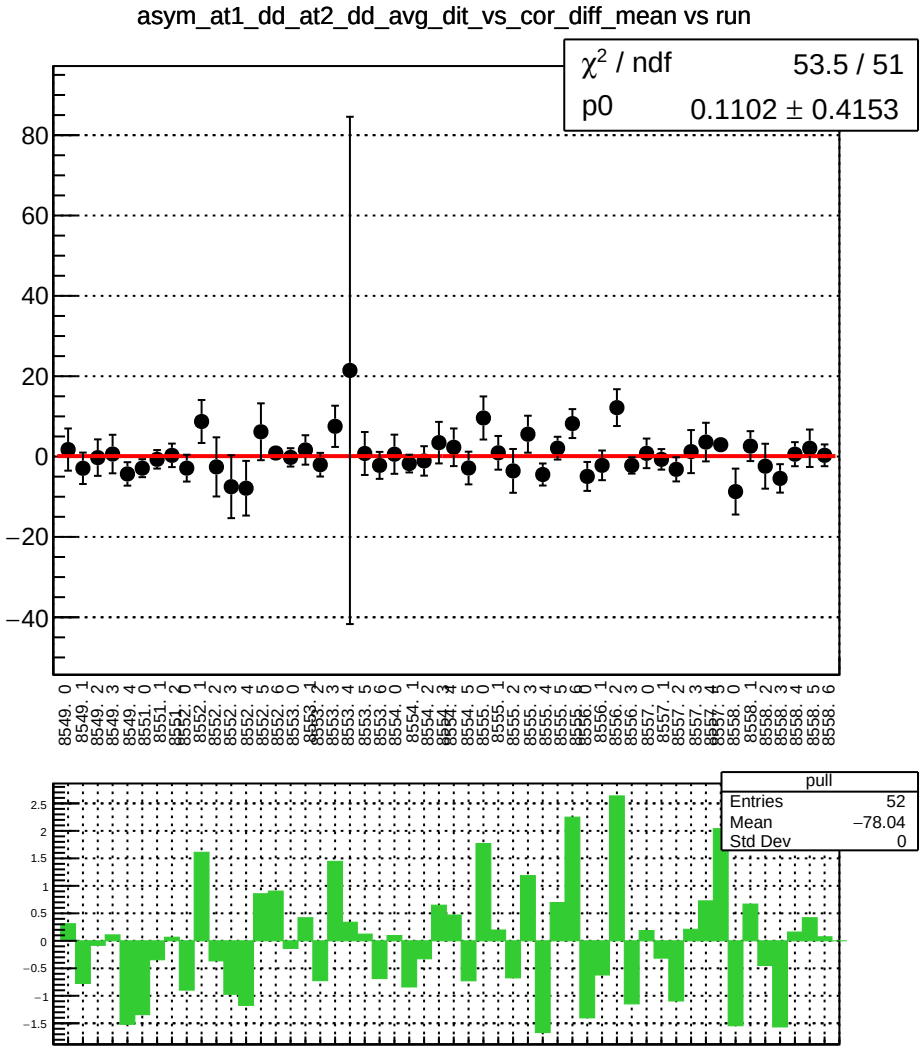

asym_at1_dd_at2_dd_avg_mean vs run
×10^3
χ² / ndf 47.96 / 50
p0 −9976 ± 2.225e+04
600
400
200
0
−200
−400
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8551. 2
8552. 0
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 1
8553. 2
8553. 3
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 3
8554. 4
8554. 5
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8555. 6
8556. 0
8556. 1
8556. 2
8556. 3
8556. 4
8557. 0
8557. 1
8557. 2
8557. 3
8557. 4
8557. 5
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6
pull
Entries 51
Mean 196.3
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5

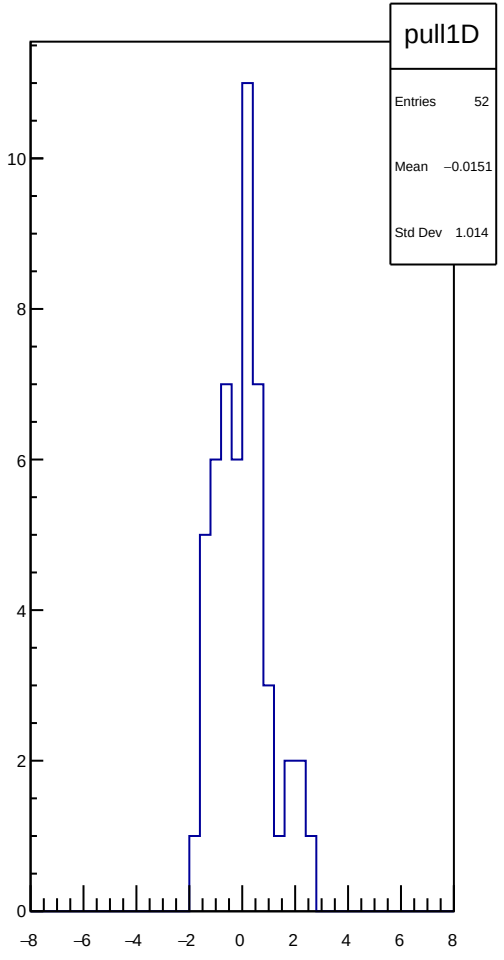

pull1D
Entries 51
Mean 0.02026
Std Dev 0.9696
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

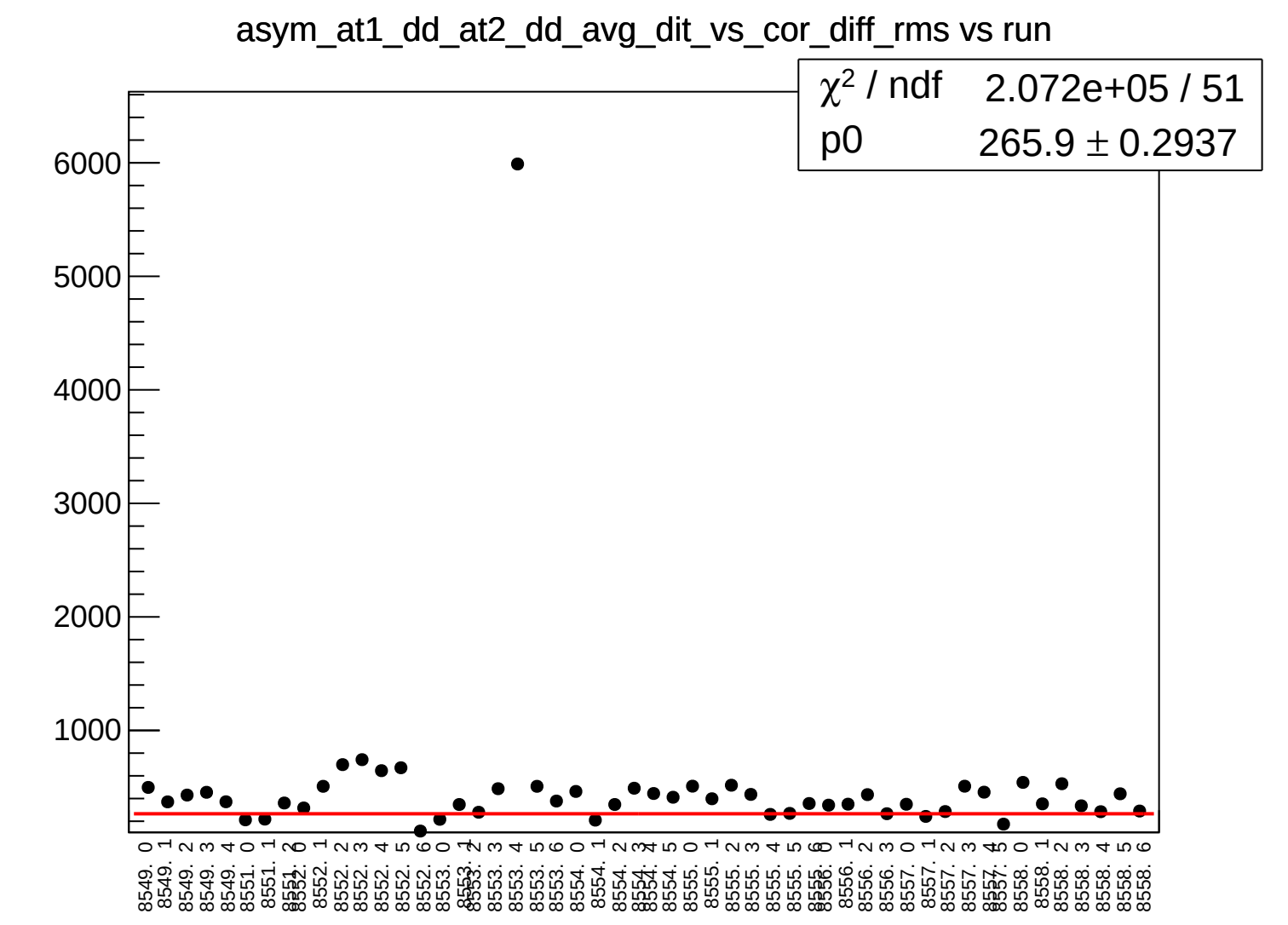

asym_at1_dd_at2_dd_avg_rms vs run
×10^3
400
350
300
250
200
150
100
50
χ² / ndf 2.997e+04 / 51
p0 1.571e+04 ± 15.73
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 5
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

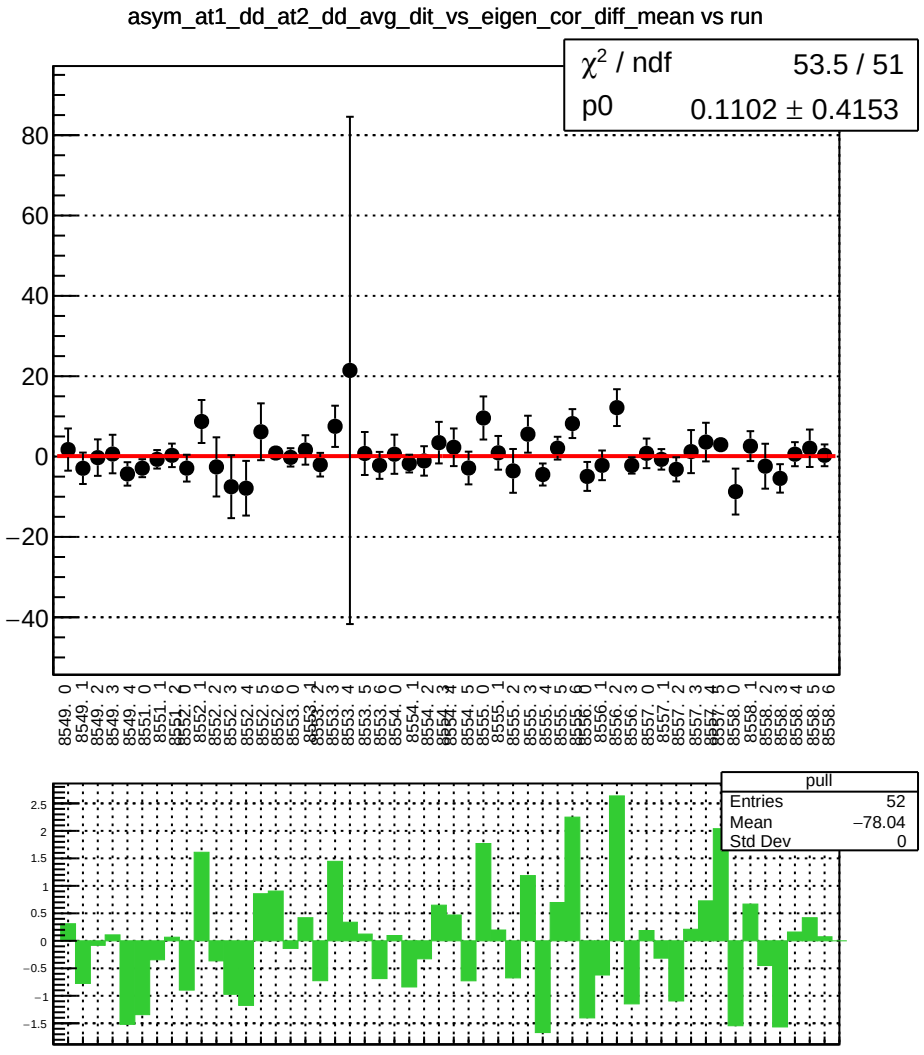

asym_at1_dd_at2_dd_avg_reg_vs_cor_diff_mean vs run
χ² / ndf 55.57 / 51
p0 −1.388e−13 ± 2.011e−13
pull
Entries 52
Mean −607.7
Std Dev 0
pull1D
Entries 52
Mean 0.003404
Std Dev 1.034

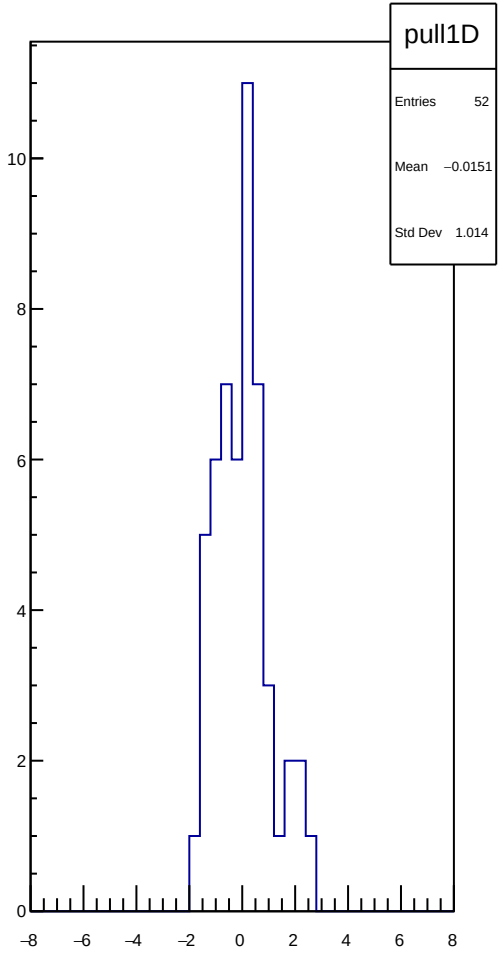

asym_at1_dd_at2_dd_avg_reg_vs_cor_diff_rms vs run
χ² / ndf 6.895e+05 / 51
p0 8.259e−11 ± 1.422e−13
0
1
2
3
4
5
6
7
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 0
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 1
8553. 2
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 3
8554. 4
8554. 5
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8555. 6
8556. 0
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8557. 4
8557. 5
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

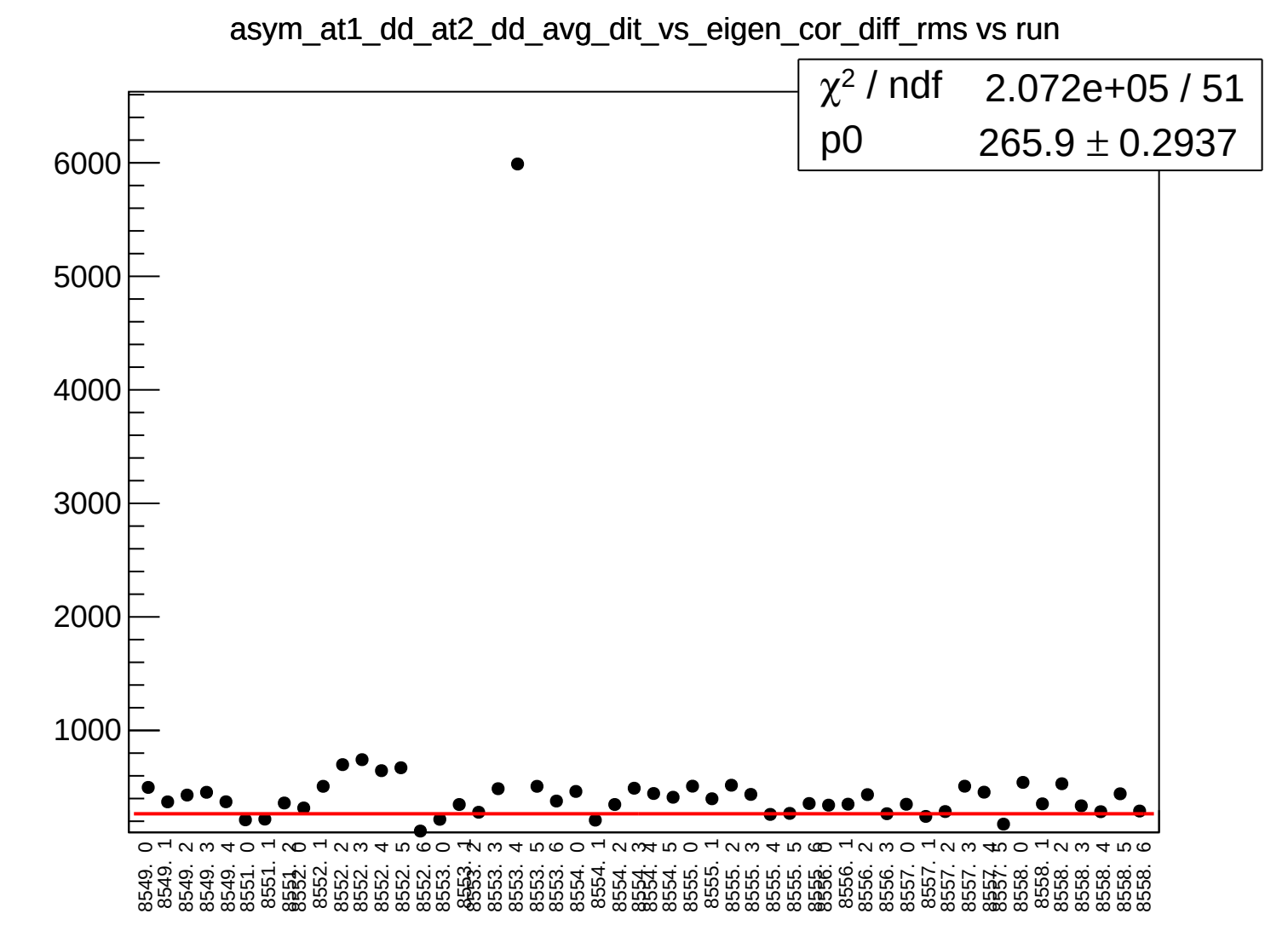

asym_at1_dd_at2_dd_avg_dit_vs_cor_diff_mean vs run
χ² / ndf 53.5 / 51
p0 0.1102 ± 0.4153
pull
Entries 52
Mean −78.04
Std Dev 0

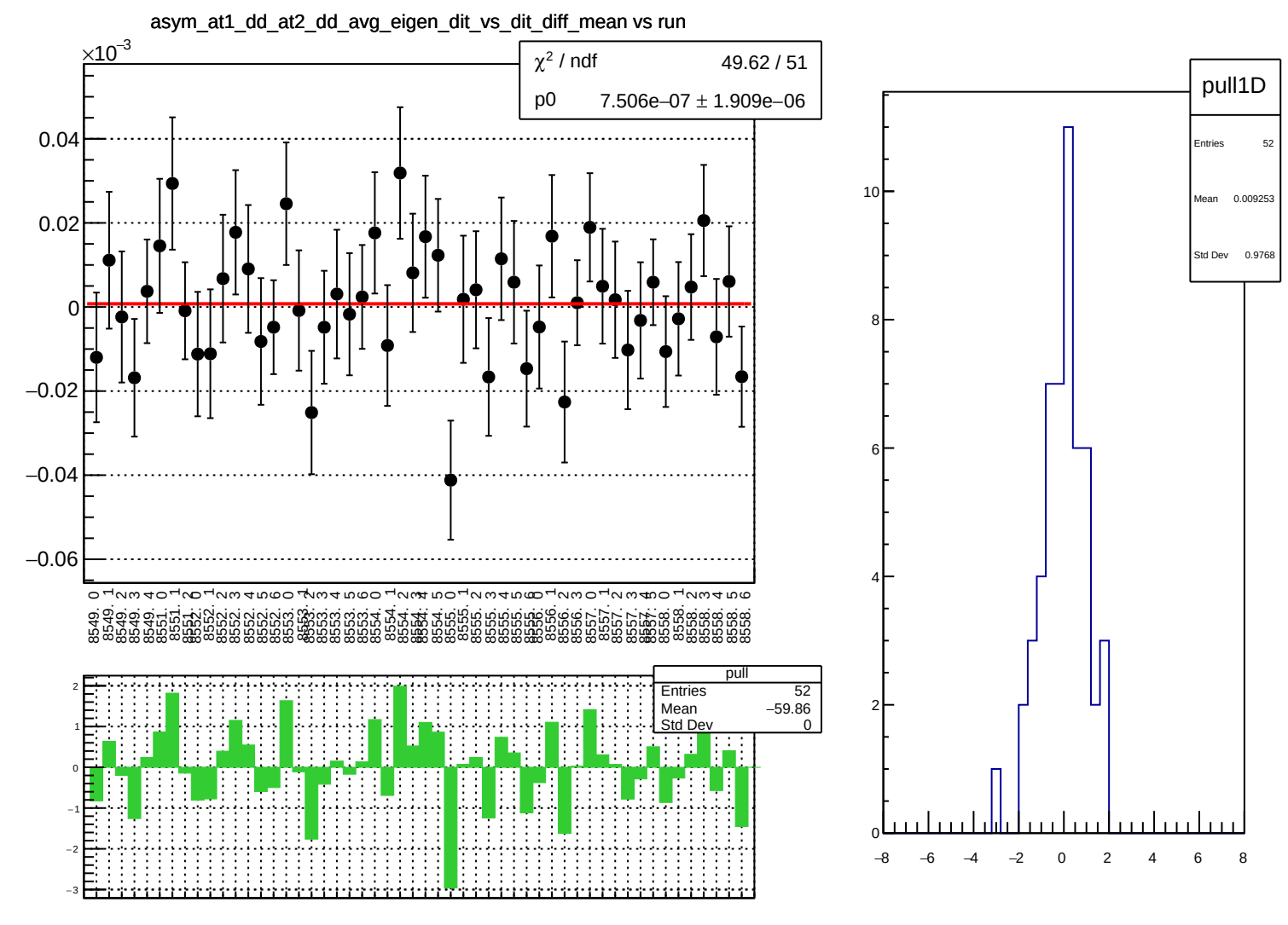

pull1D
Entries 52
Mean −0.0151
Std Dev 1.014

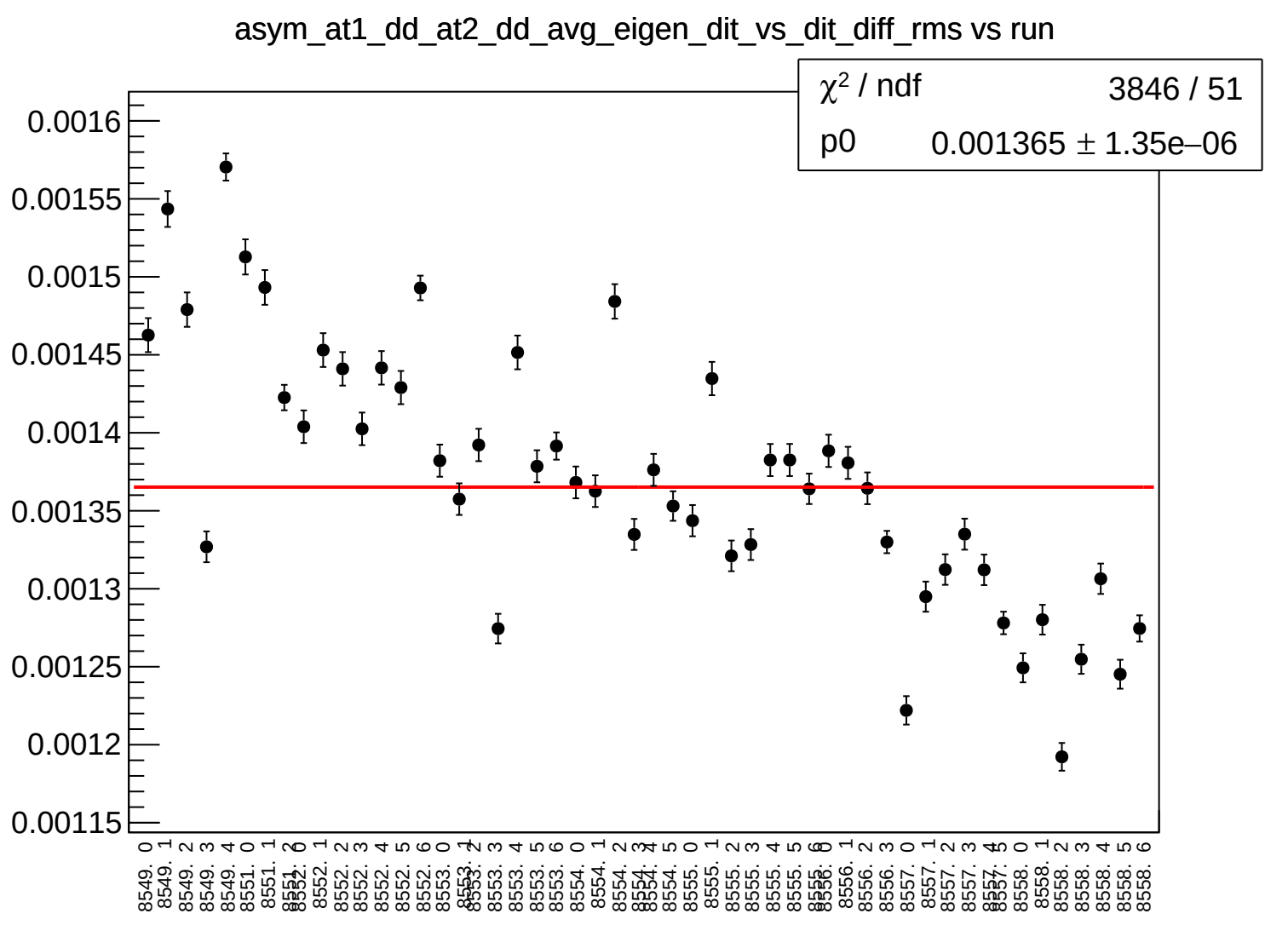

asym_at1_dd_at2_dd_avg_dit_vs_cor_diff_rms vs run
χ² / ndf 2.072e+05 / 51
p0 265.9 ± 0.2937
6000
5000
4000
3000
2000
1000
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

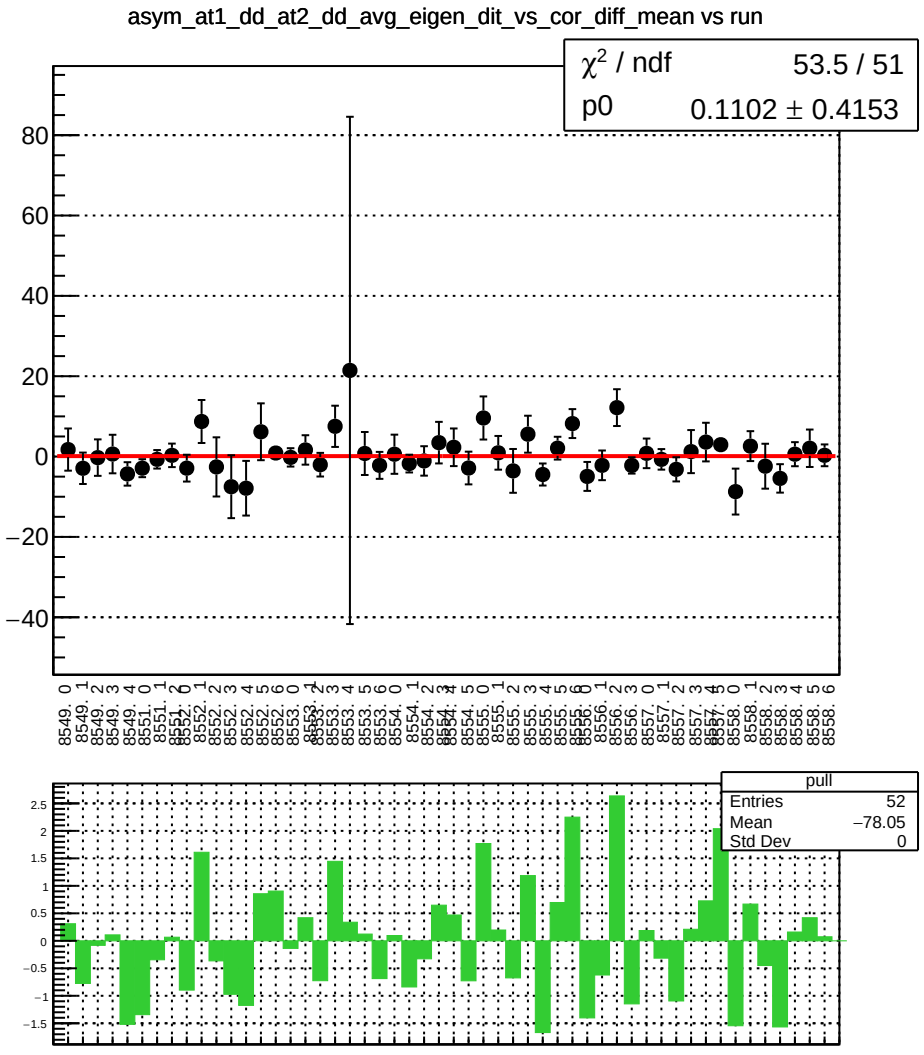

asym_at1_dd_at2_dd_avg_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 53.5 / 51
p0 0.1102 ± 0.4153
pull
Entries 52
Mean −78.04
Std Dev 0

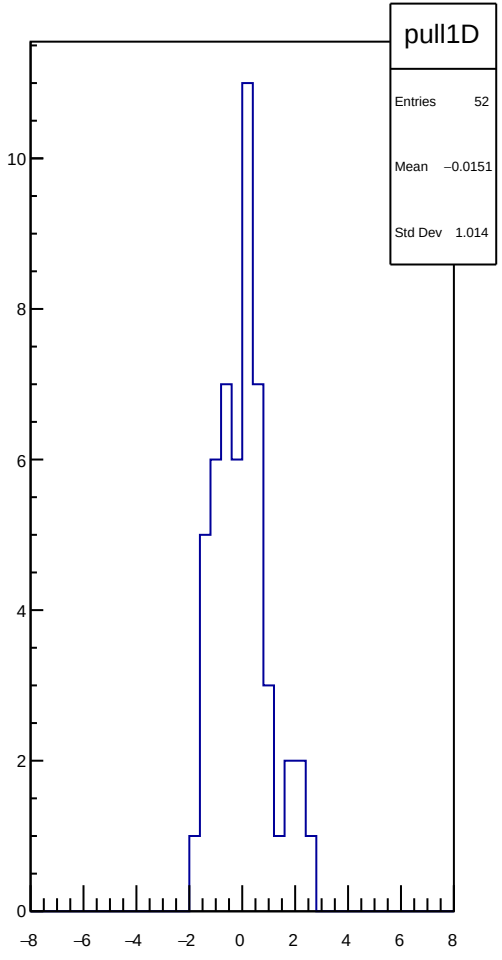

pull1D
Entries 52
Mean −0.0151
Std Dev 1.014

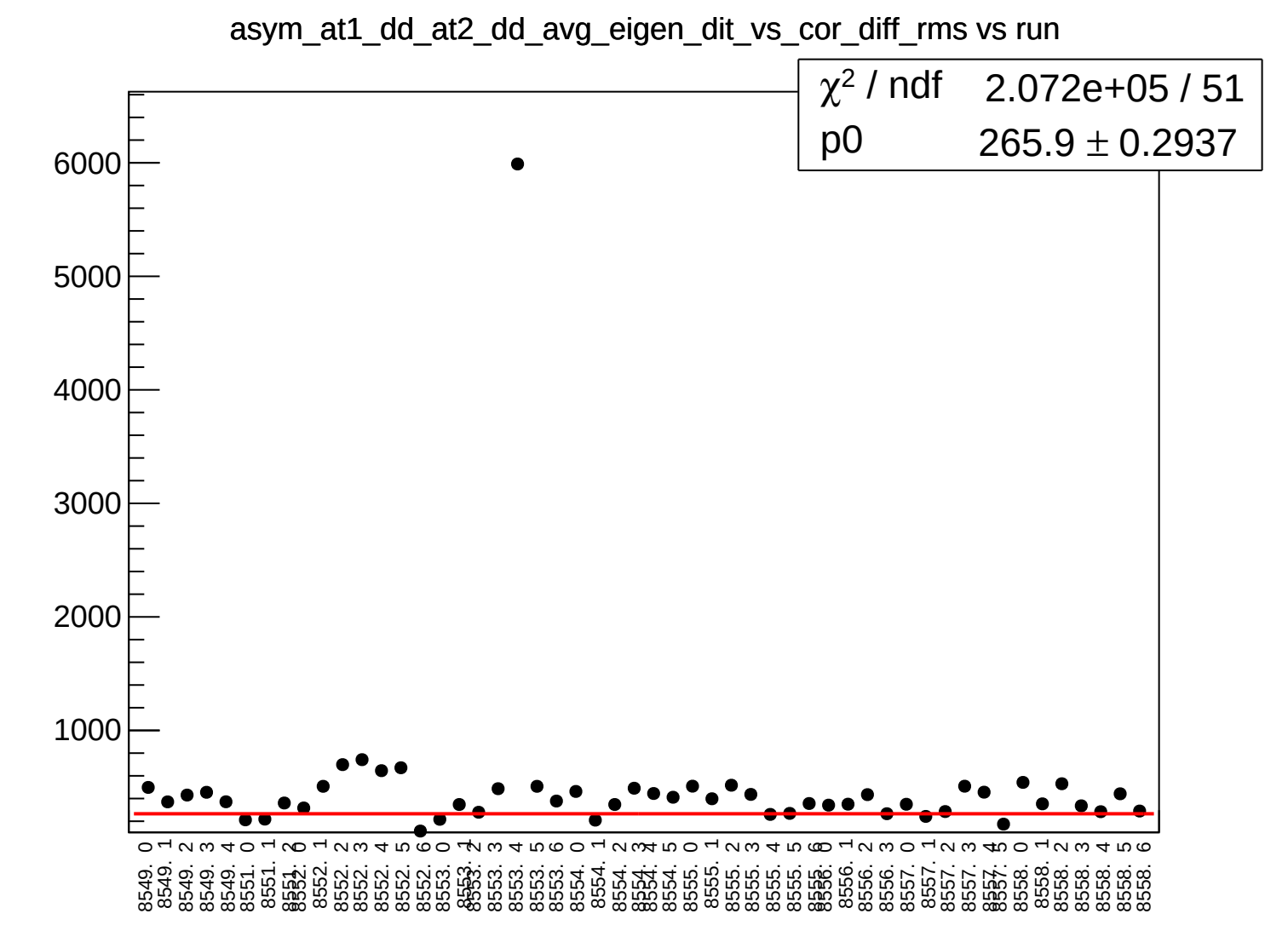

asym_at1_dd_at2_dd_avg_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 2.072e+05 / 51
p0 265.9 ± 0.2937
6000
5000
4000
3000
2000
1000
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

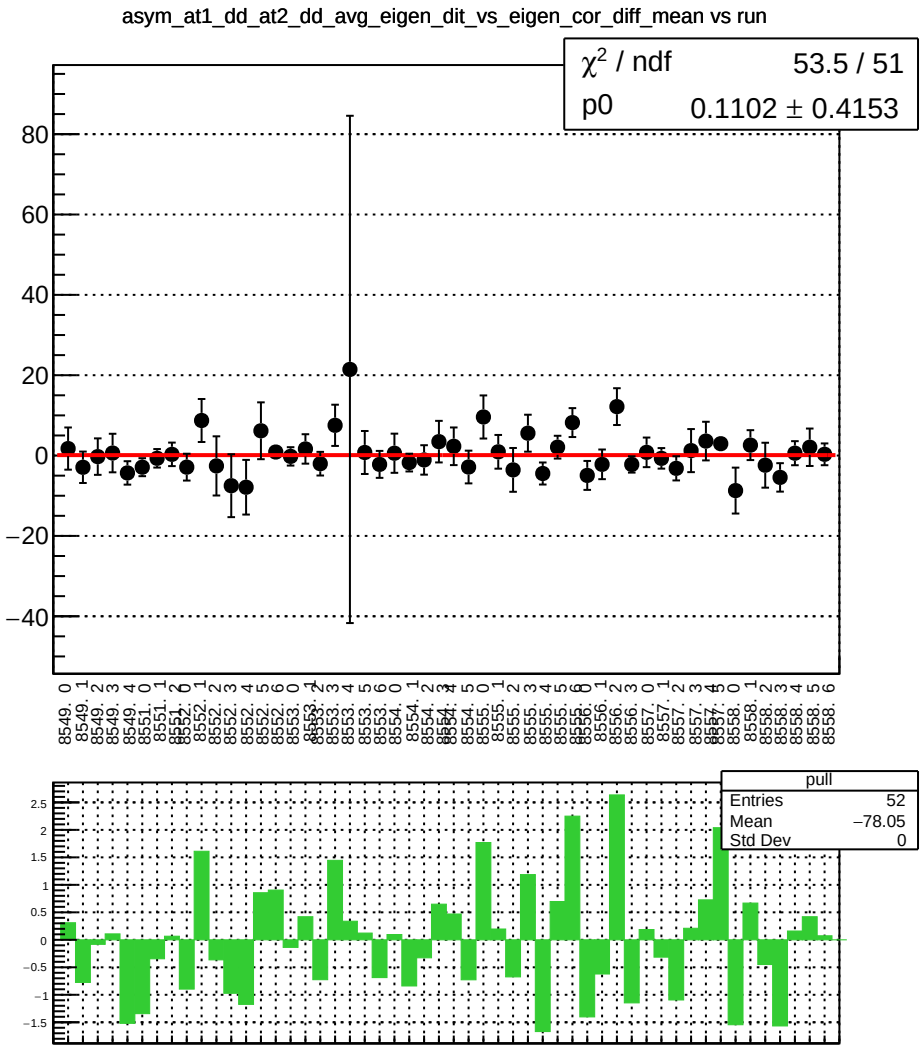

asym_at1_dd_at2_dd_avg_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 49.62 / 51
p0 7.506e−07 ± 1.909e−06
0.04
0.02
0
−0.02
−0.04
−0.06
pull
Entries 52
Mean −59.86
Std Dev 0
pull1D
Entries 52
Mean 0.009253
Std Dev 0.9768

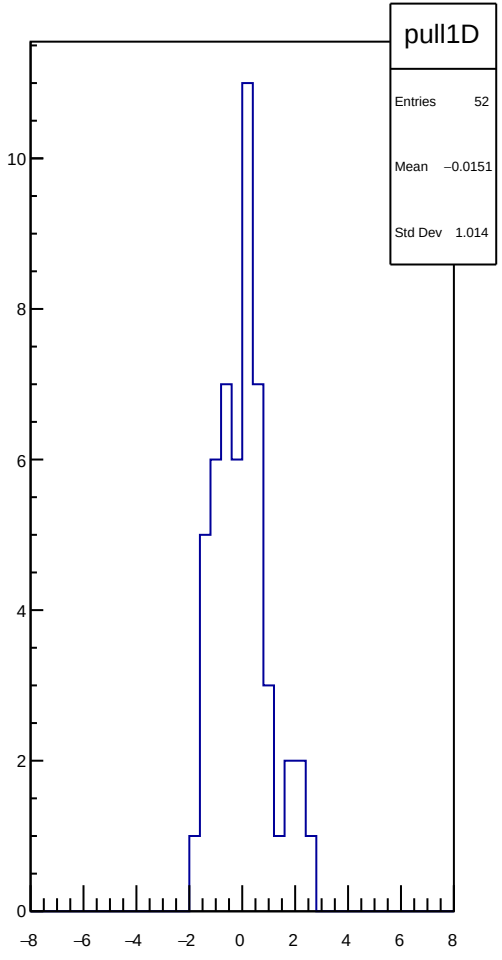

asym_at1_dd_at2_dd_avg_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 3846 / 51
p0 0.001365 ± 1.35e−06
0.0016
0.00155
0.0015
0.00145
0.0014
0.00135
0.0013
0.00125
0.0012
0.00115
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 5
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

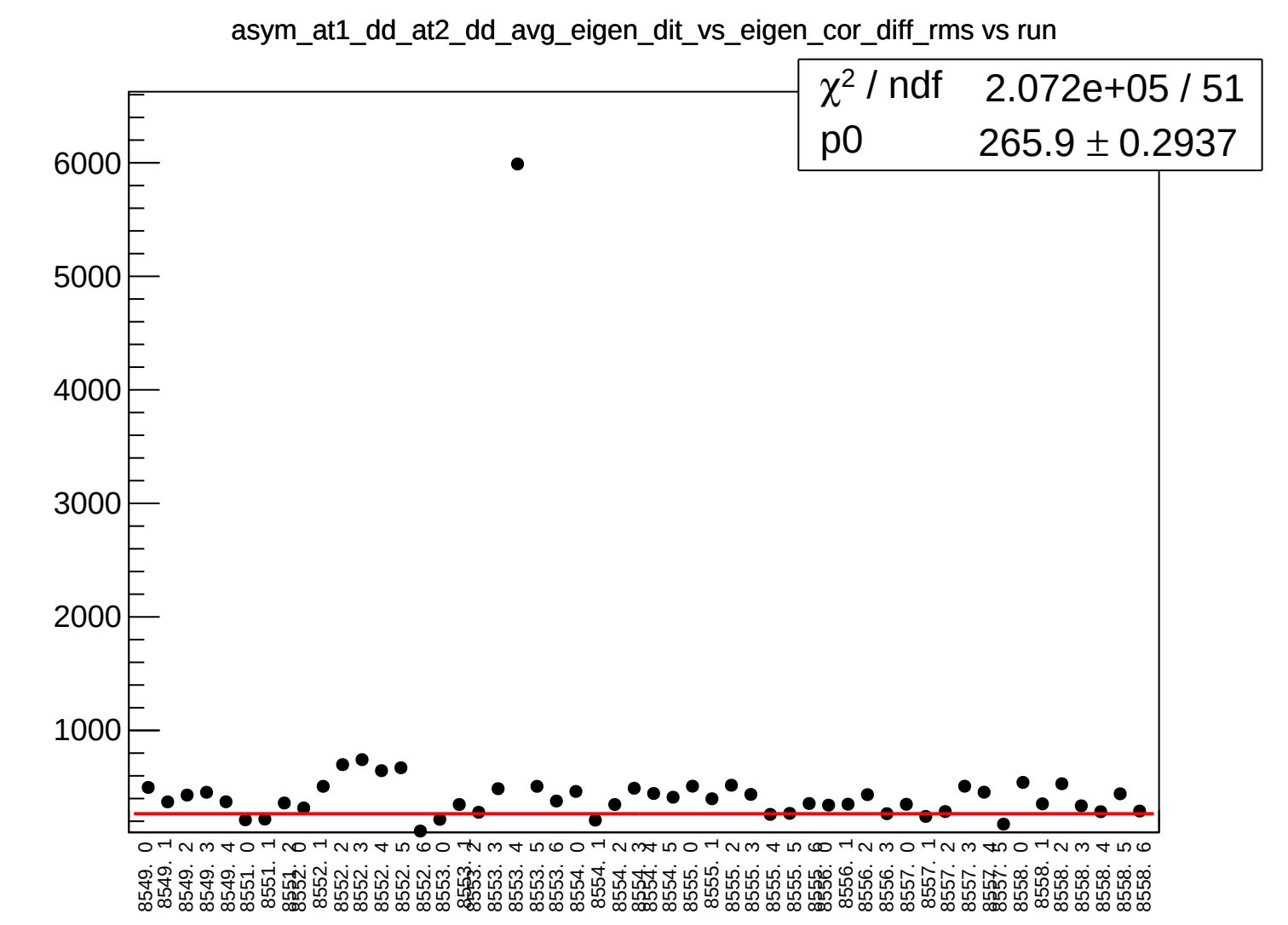

asym_at1_dd_at2_dd_avg_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 53.5 / 51
p0 0.1102 ± 0.4153
pull
Entries 52
Mean −78.05
Std Dev 0

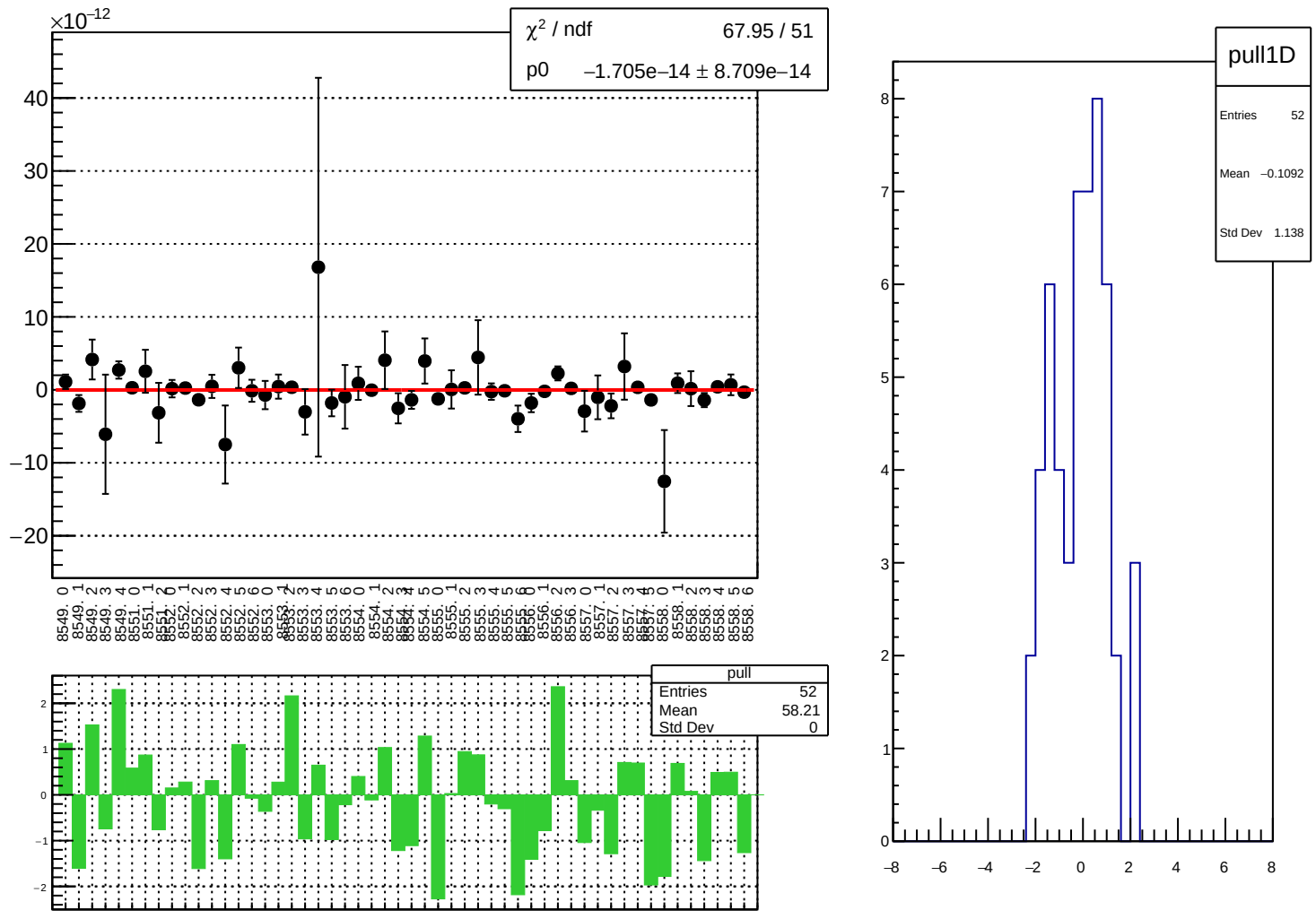

pull1D
Entries 52
Mean −0.0151
Std Dev 1.014

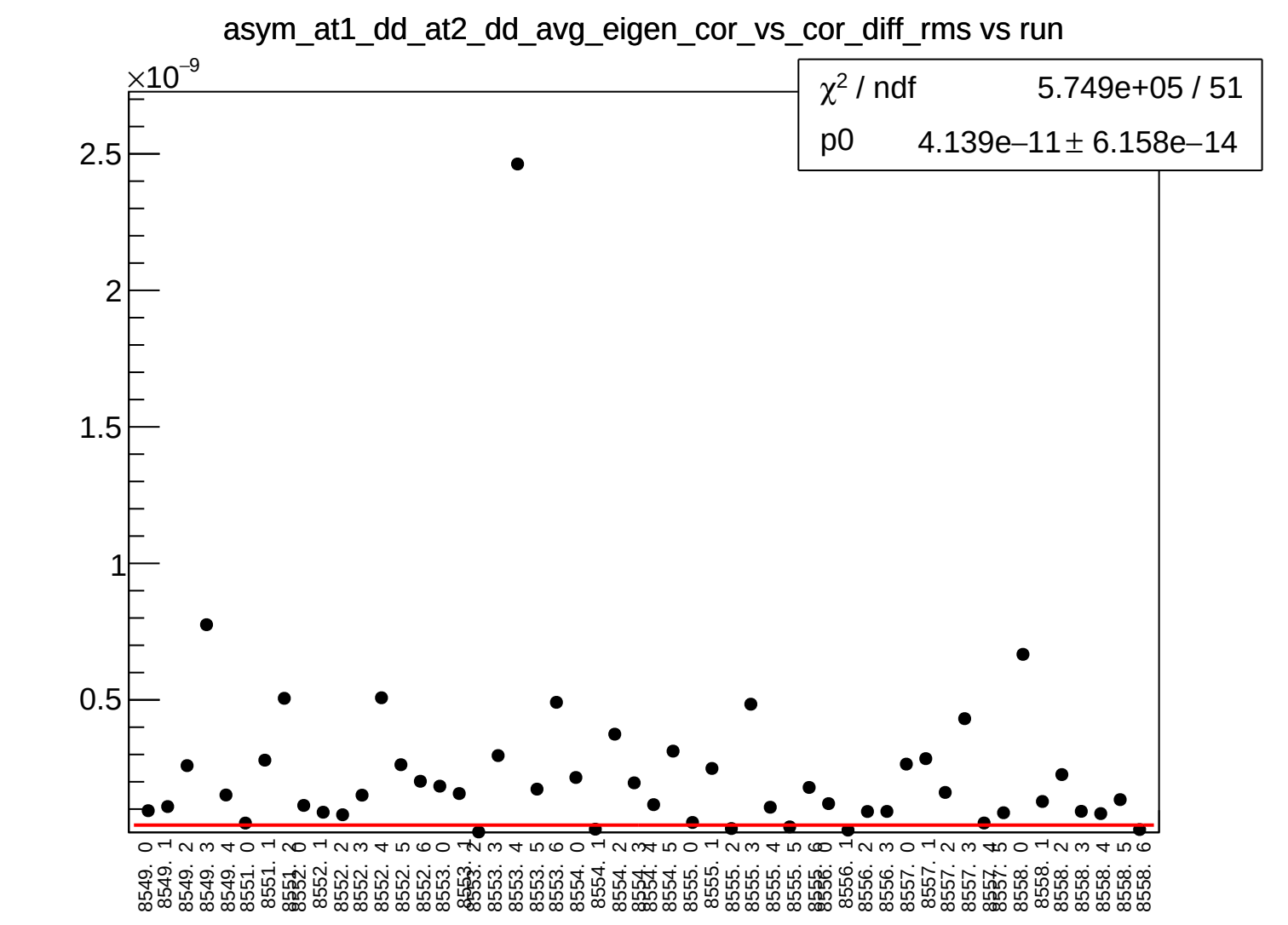

asym_at1_dd_at2_dd_avg_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 2.072e+05 / 51
p0 265.9 ± 0.2937
6000
5000
4000
3000
2000
1000
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

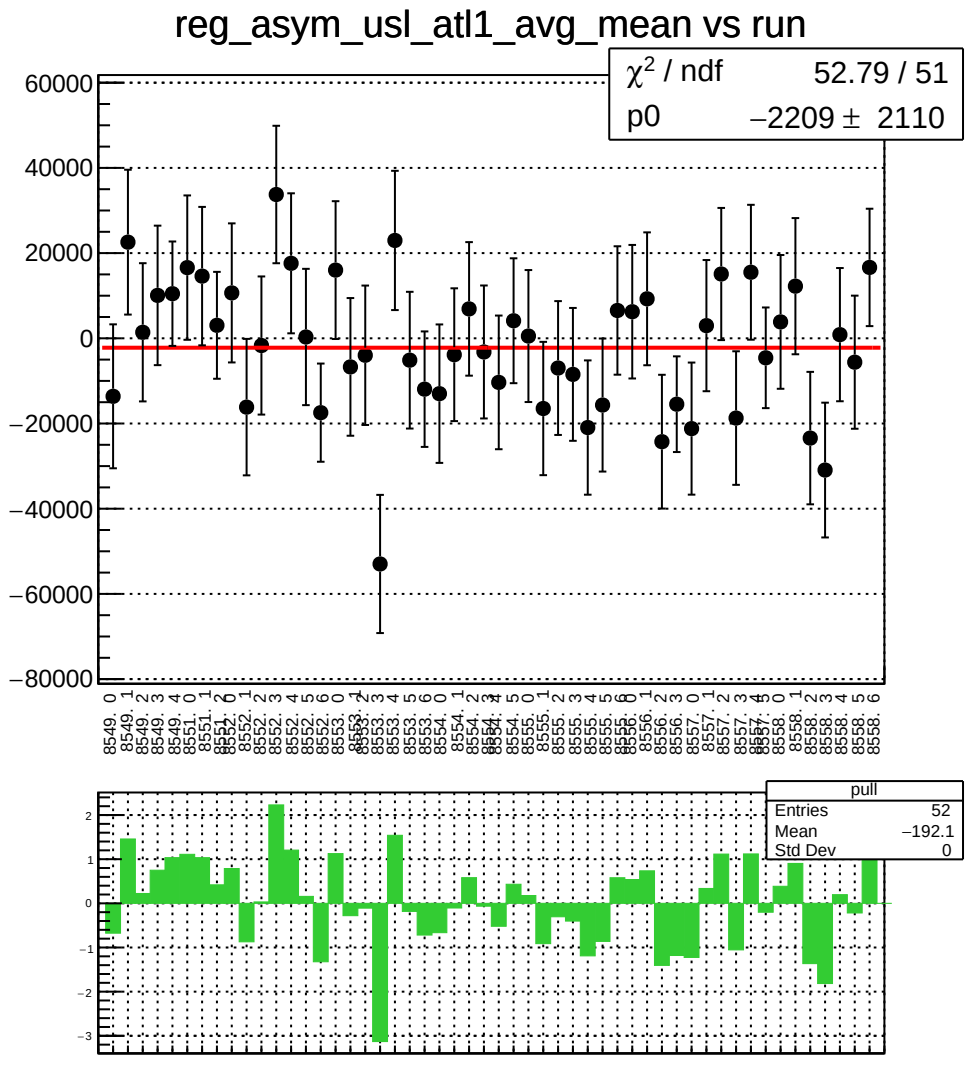

asym_at1_dd_at2_dd_avg_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 53.5 / 51
p0 0.1102 ± 0.4153
pull
Entries 52
Mean −78.05
Std Dev 0

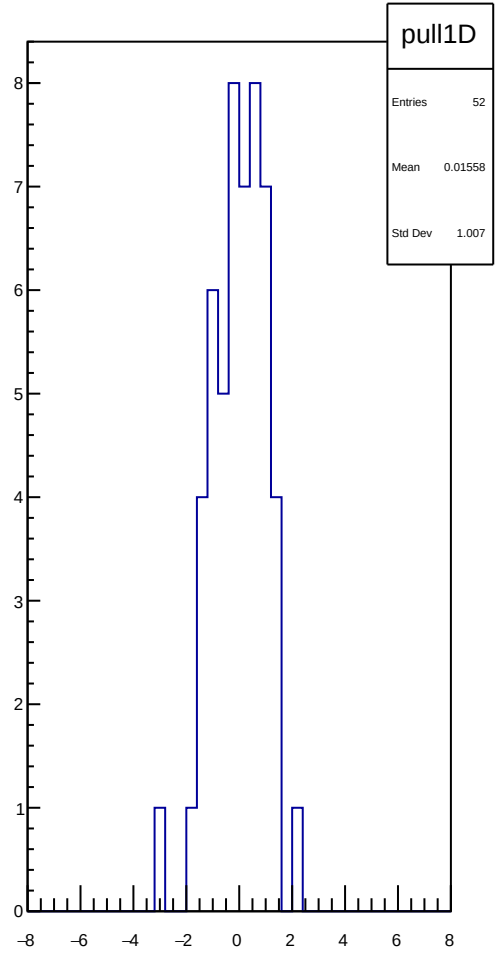

pull1D
Entries 52
Mean −0.0151
Std Dev 1.014

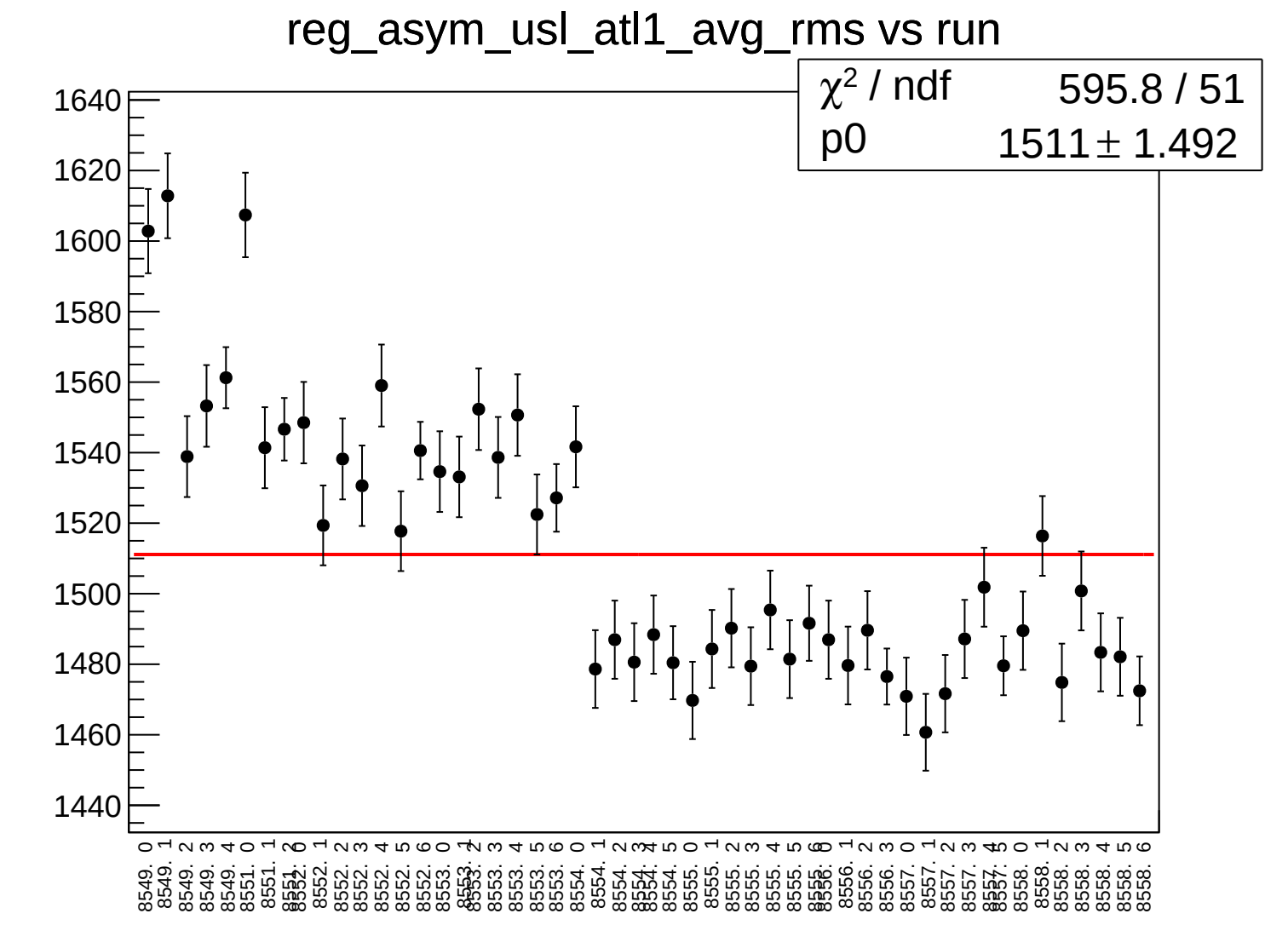

asym_at1_dd_at2_dd_avg_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 2.072e+05 / 51
p0 265.9 ± 0.2937
6000
5000
4000
3000
2000
1000
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 0
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 1
8553. 2
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 3
8554. 4
8554. 5
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 0
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8557. 4
8557. 5
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

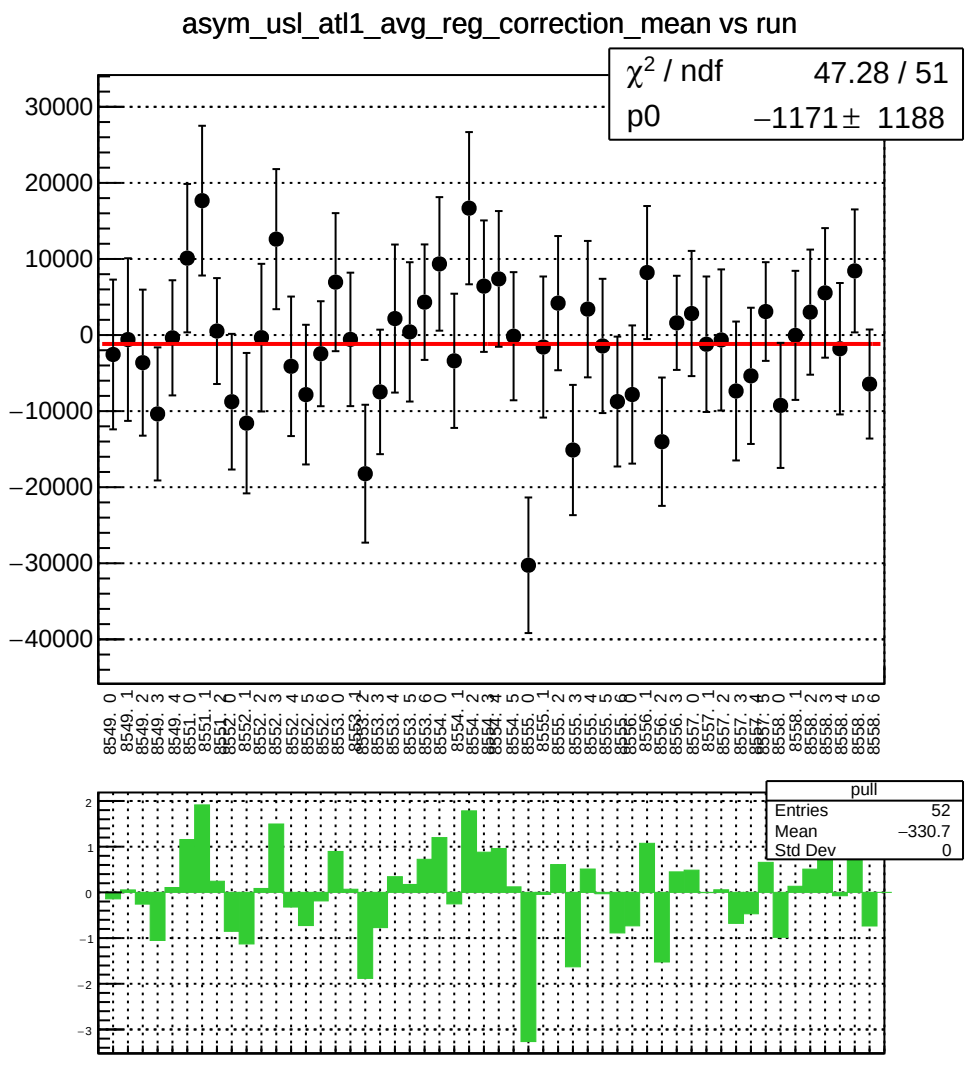

asym_at1_dd_at2_dd_avg_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 67.95 / 51
p0 −1.705e−14 ± 8.709e−14
pull
Entries 52
Mean 58.21
Std Dev 0
pull1D
Entries 52
Mean −0.1092
Std Dev 1.138

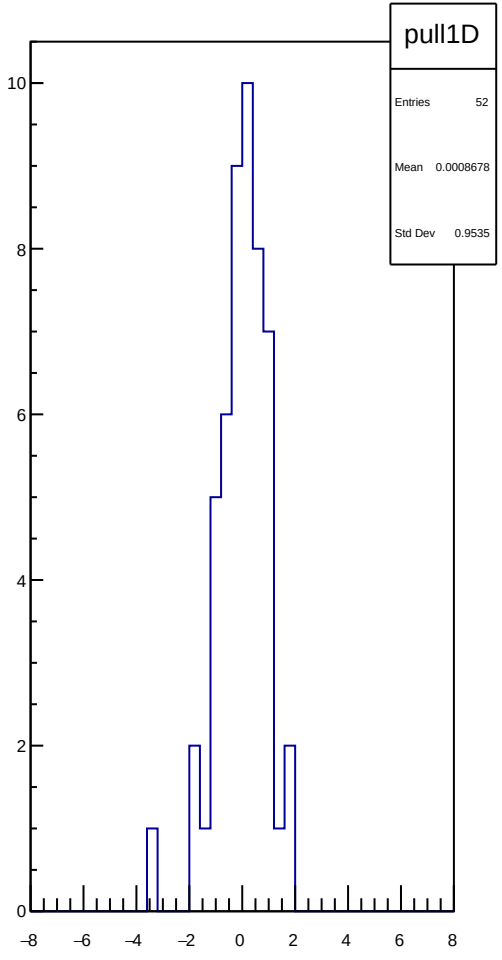

asym_at1_dd_at2_dd_avg_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 5.749e+05 / 51
p0 4.139e−11 ± 6.158e−14
2.5
2
1.5
1
0.5
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 0
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

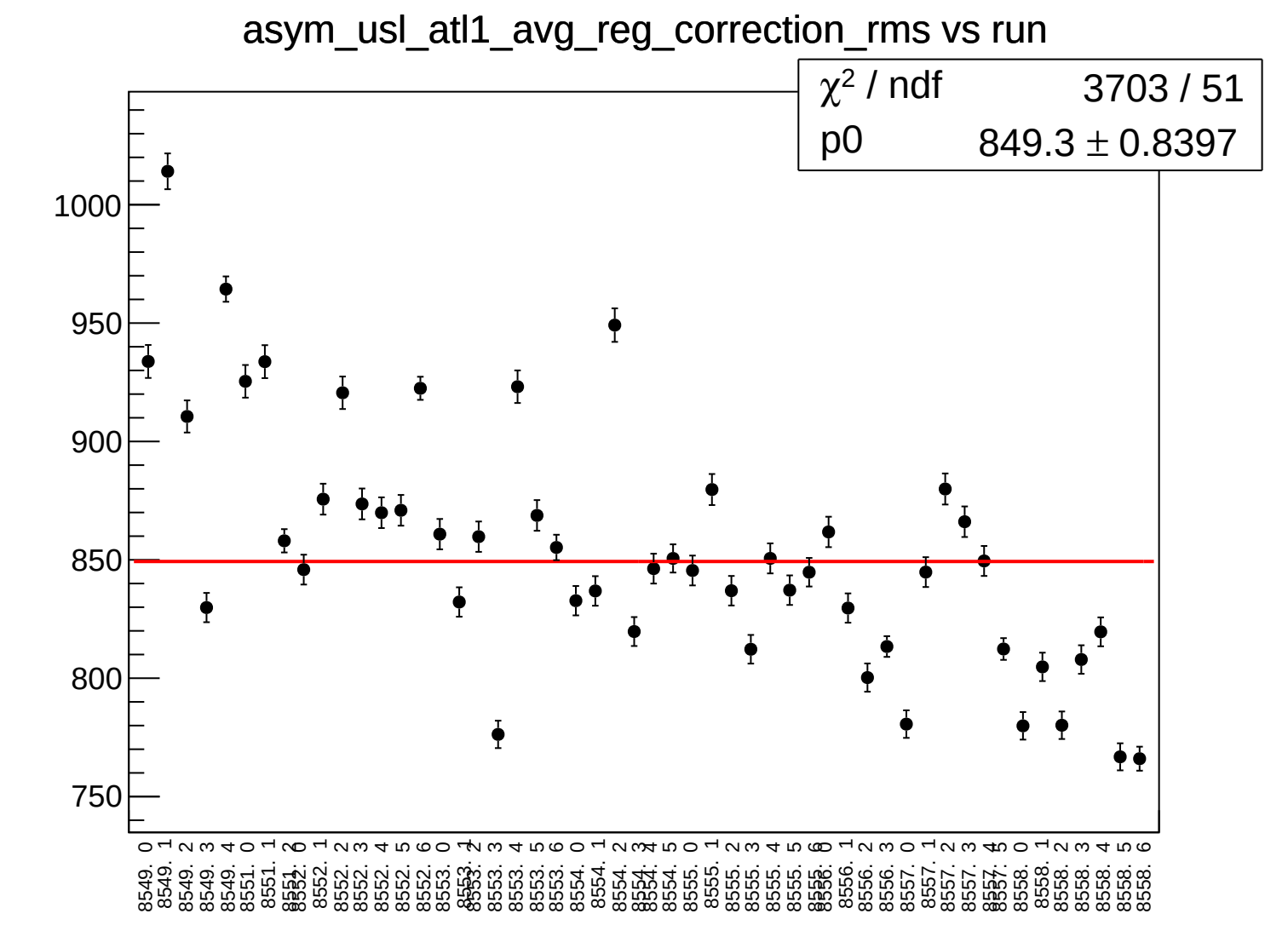

reg_asym_usl_atl1_avg_mean vs run
χ² / ndf 52.79 / 51
p0 −2209 ± 2110
pull
Entries 52
Mean −192.1
Std Dev 0

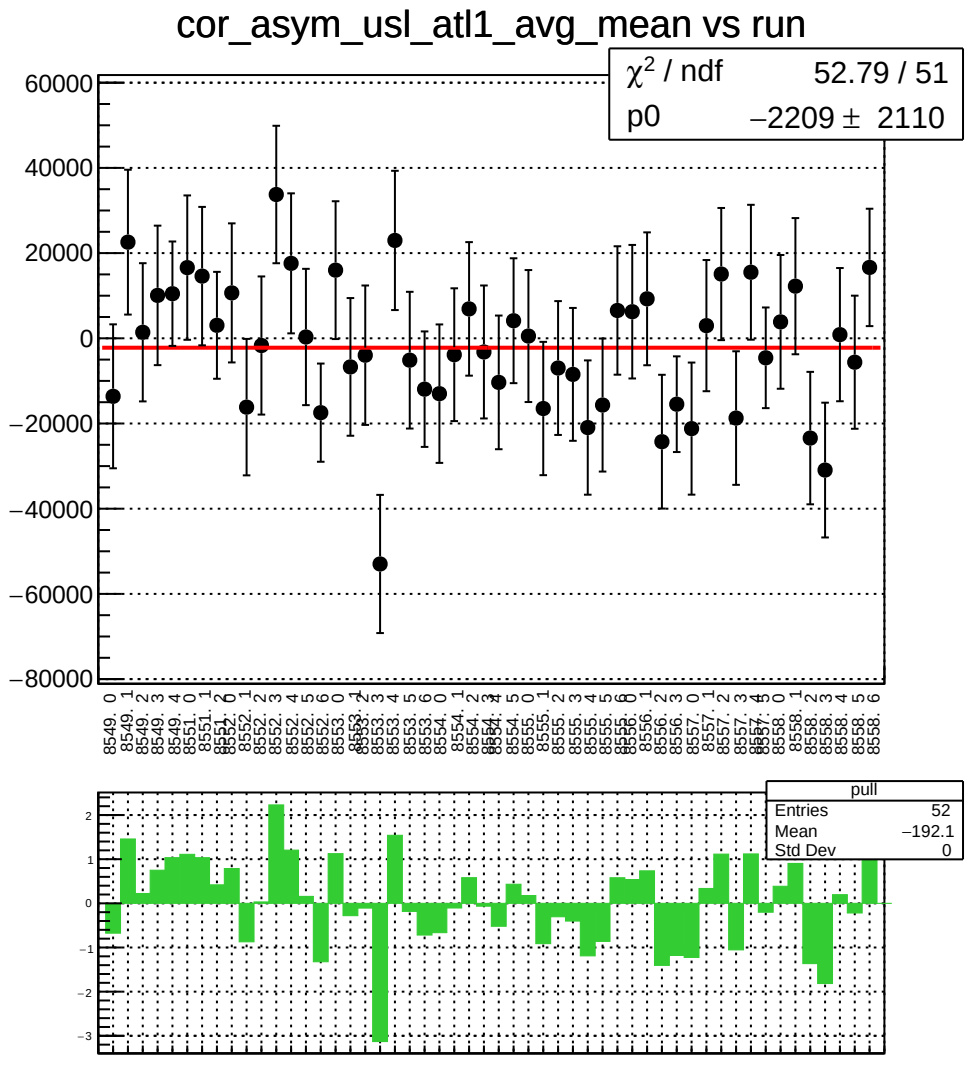

pull1D
Entries 52
Mean 0.01558
Std Dev 1.007

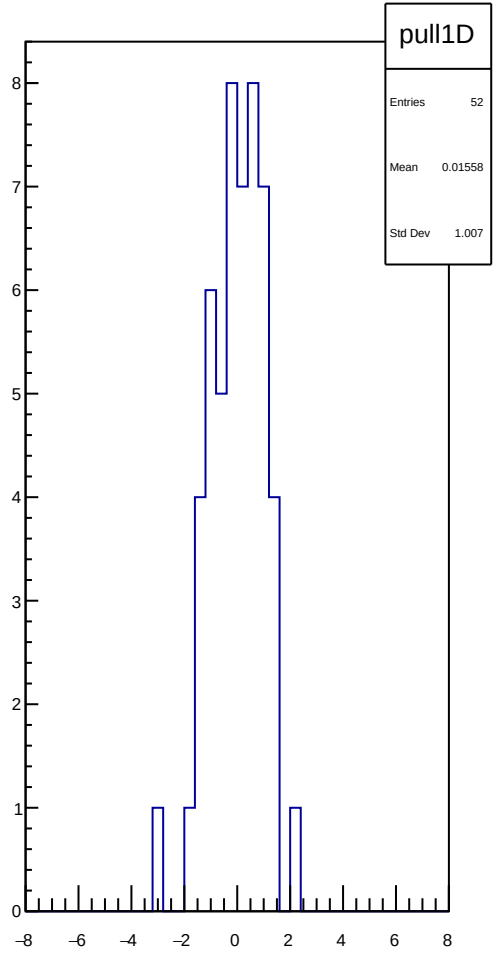

reg_asym_usl_atl1_avg_rms vs run
χ² / ndf 595.8 / 51
p0 1511 ± 1.492
1640
1620
1600
1580
1560
1540
1520
1500
1480
1460
1440
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 5
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

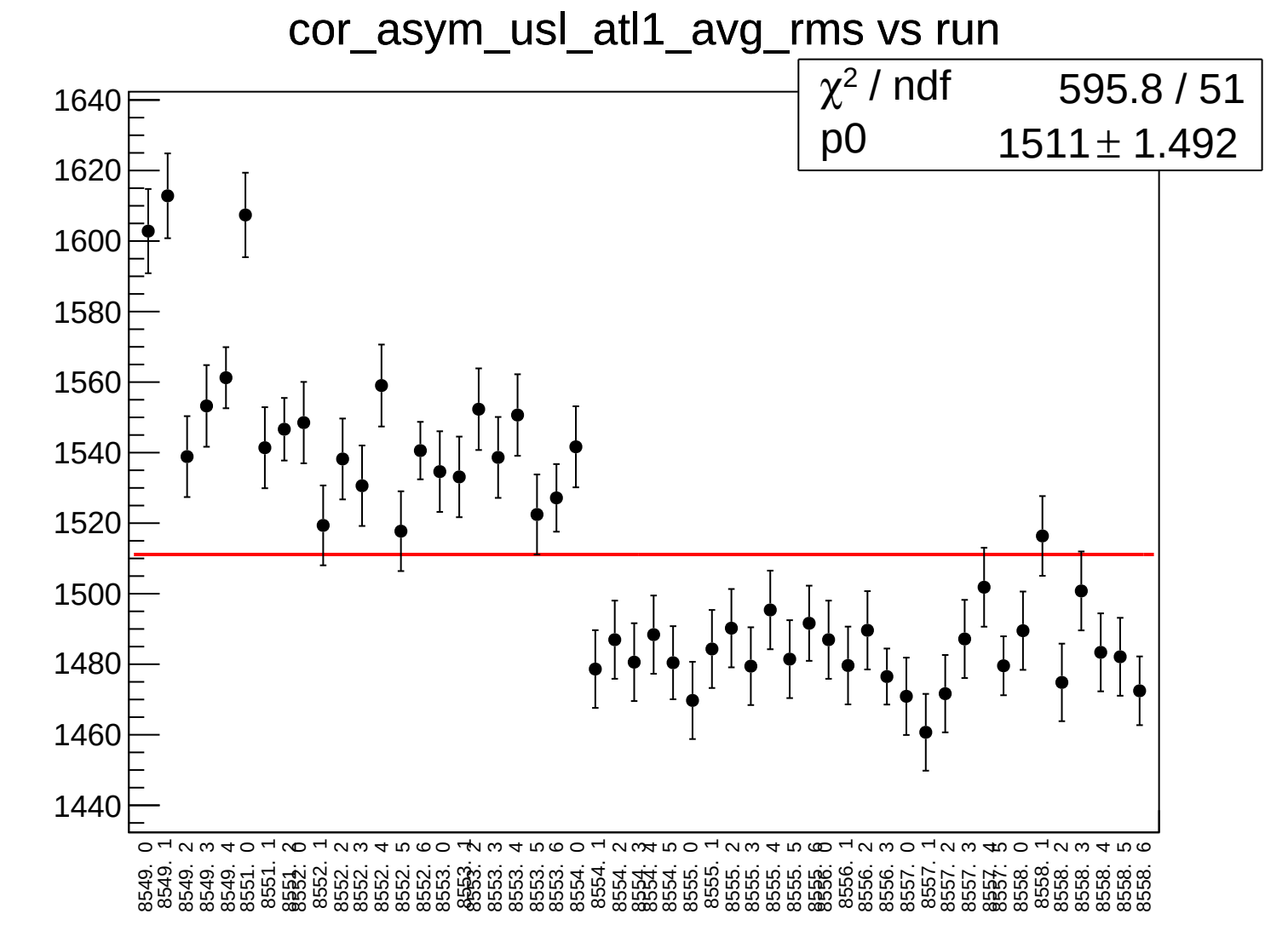

asym_usl_atl1_avg_reg_correction_mean vs run
χ² / ndf 47.28 / 51
p0 −1171 ± 1188
pull
Entries 52
Mean −330.7
Std Dev 0

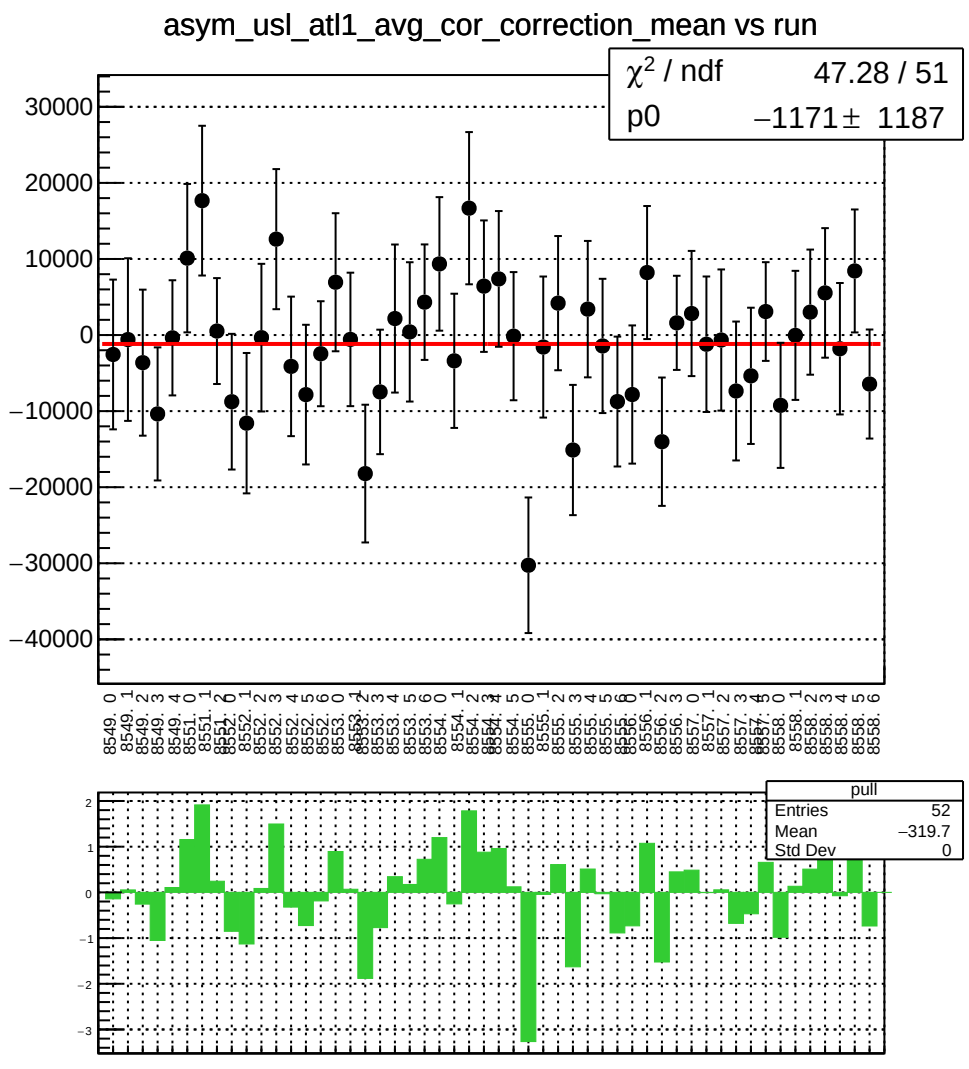

pull1D
Entries 52
Mean 0.0008678
Std Dev 0.9535

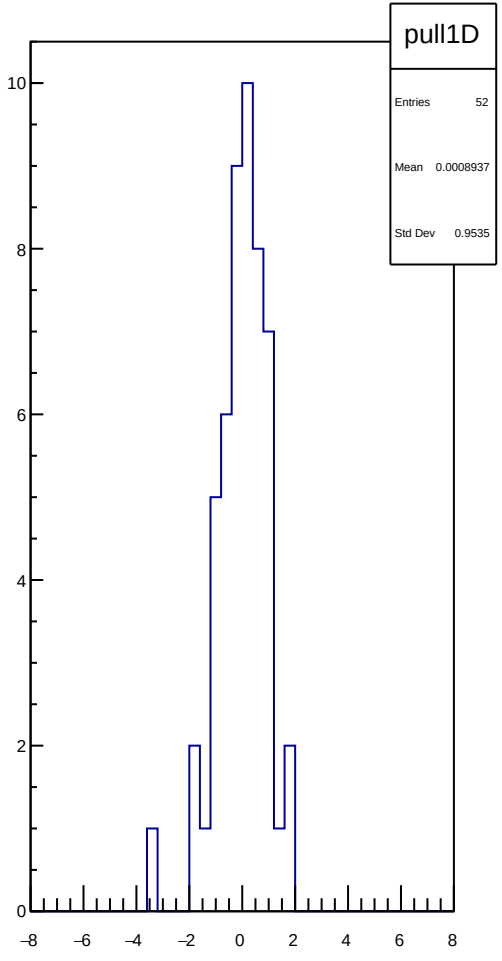

asym_usl_atl1_avg_reg_correction_rms vs run
χ² / ndf 3703 / 51
p0 849.3 ± 0.8397
1000
950
900
850
800
750
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

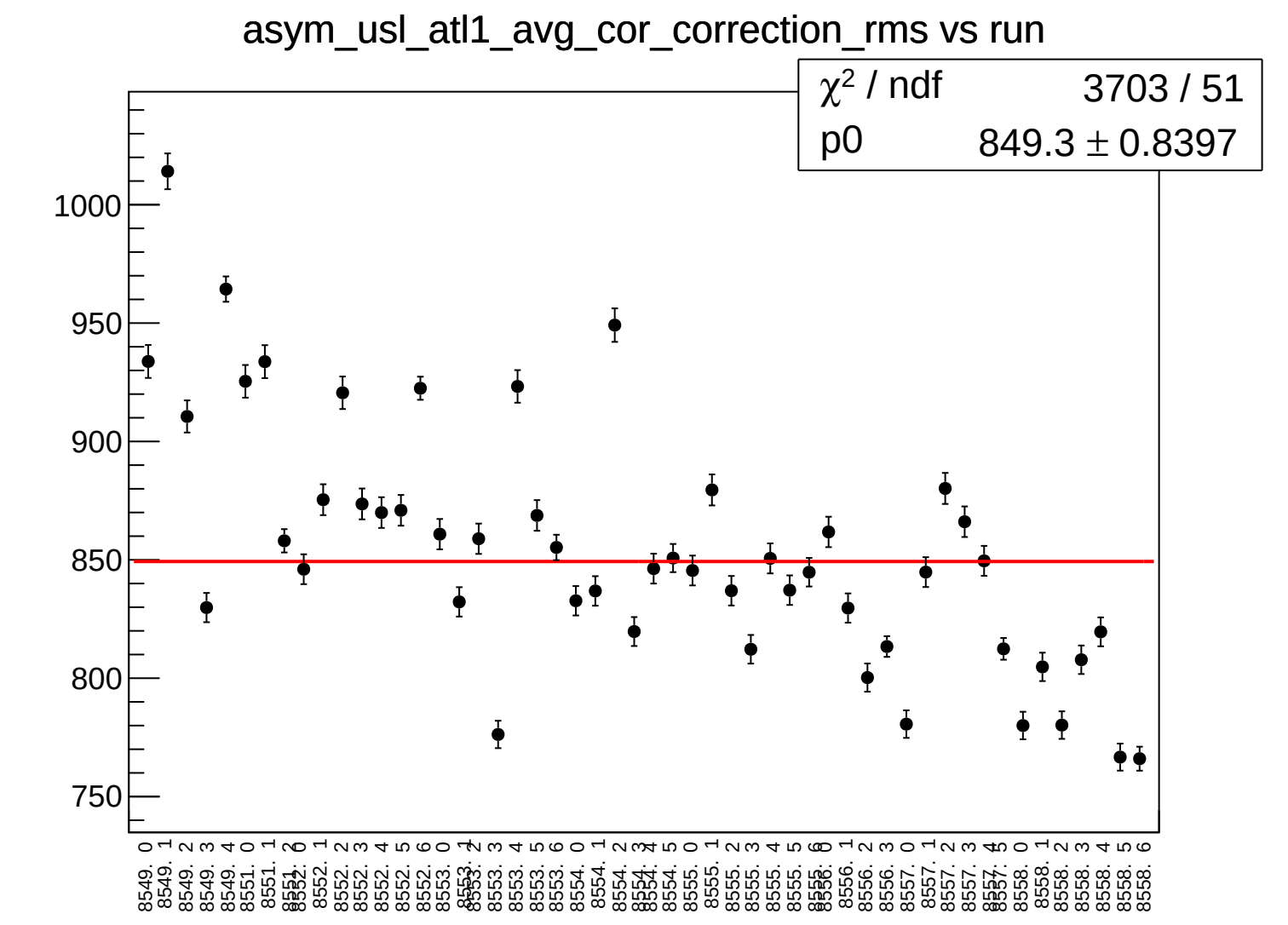

cor_asym_usl_atl1_avg_mean vs run
χ² / ndf 52.79 / 51
p0 −2209 ± 2110
60000
40000
20000
0
−20000
−40000
−60000
−80000
pull
Entries 52
Mean −192.1
Std Dev 0
2
1
0
−1
−2
−3

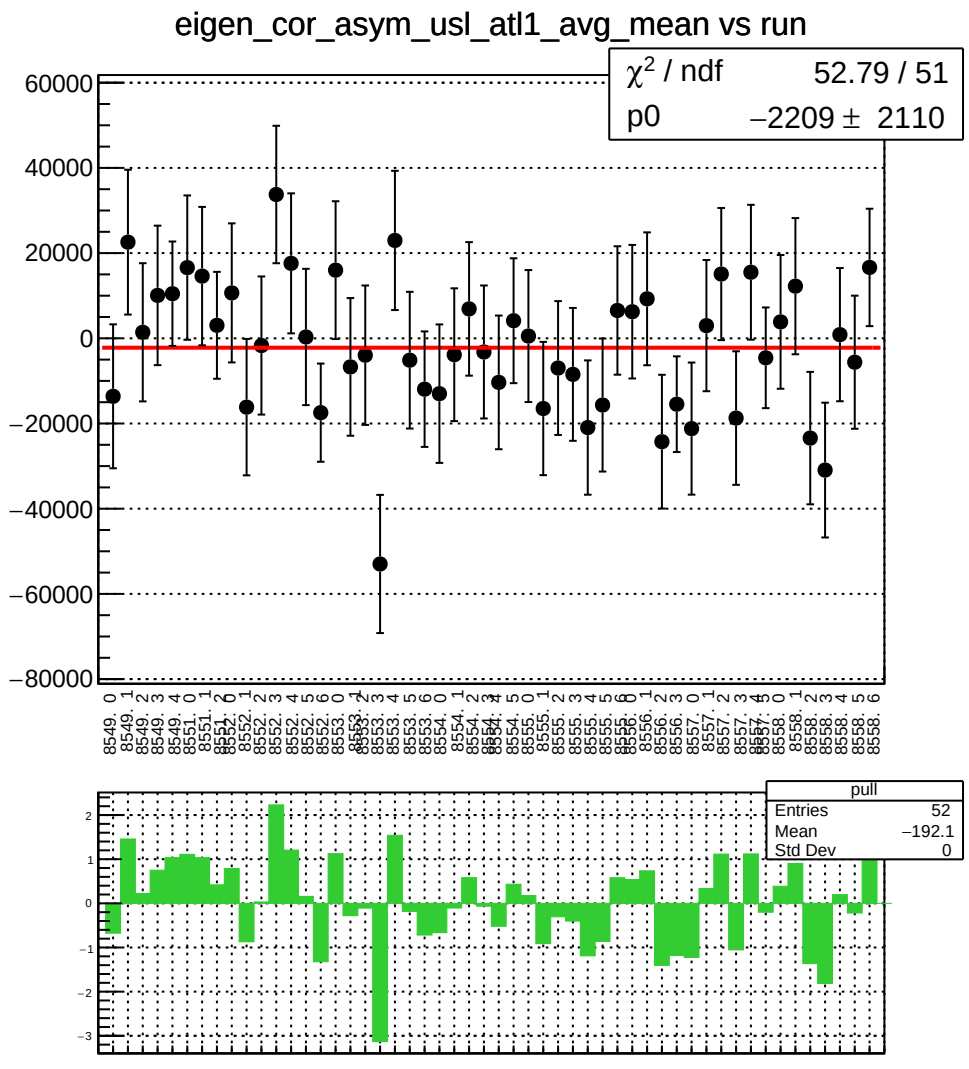

pull1D
Entries 52
Mean 0.01558
Std Dev 1.007
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

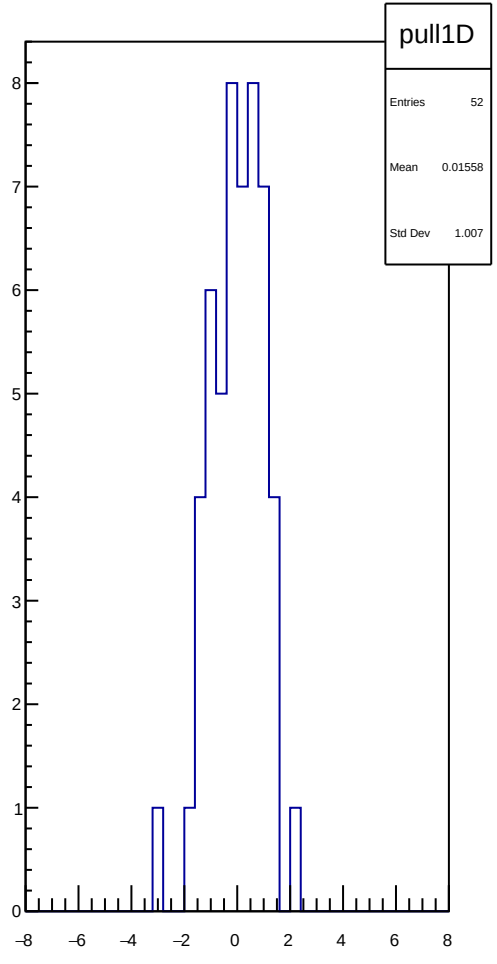

cor_asym_usl_atl1_avg_rms vs run
χ² / ndf 595.8 / 51
p0 1511 ± 1.492
1640
1620
1600
1580
1560
1540
1520
1500
1480
1460
1440
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 5
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

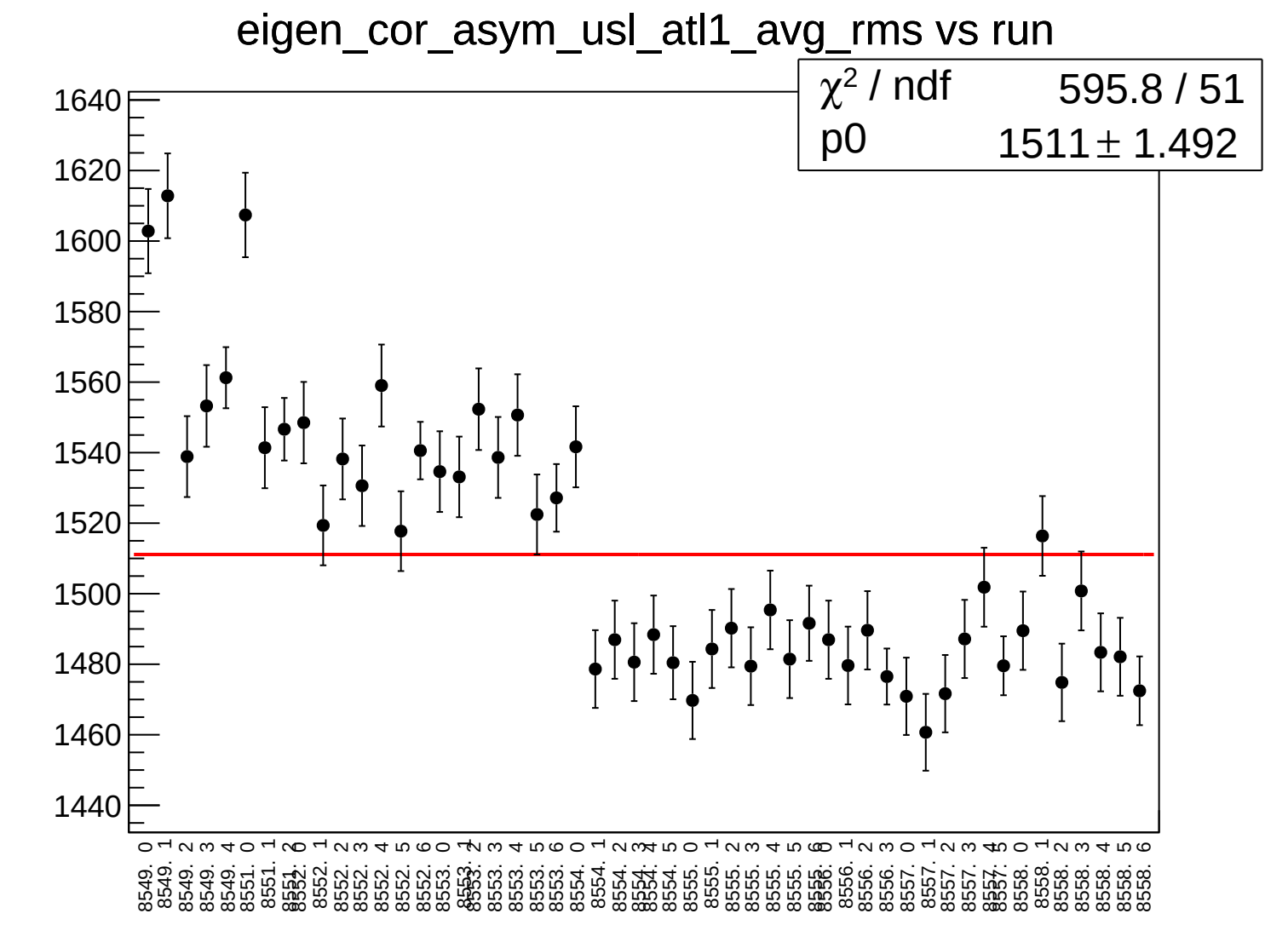

asym_usl_atl1_avg_cor_correction_mean vs run
χ² / ndf 47.28 / 51
p0 −1171 ± 1187
pull
Entries 52
Mean −319.7
Std Dev 0


pull1D
Entries 52
Mean 0.0008937
Std Dev 0.9535


asym_usl_atl1_avg_cor_correction_rms vs run
χ² / ndf 3703 / 51
p0 849.3 ± 0.8397
1000
950
900
850
800
750
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6


eigen_cor_asym_usl_atl1_avg_mean vs run
χ² / ndf 52.79 / 51
p0 −2209 ± 2110
pull
Entries 52
Mean −192.1
Std Dev 0


pull1D
Entries 52
Mean 0.01558
Std Dev 1.007


eigen_cor_asym_usl_atl1_avg_rms vs run
χ² / ndf 595.8 / 51
p0 1511 ± 1.492
1640
1620
1600
1580
1560
1540
1520
1500
1480
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1440
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
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8554. 2
8554. 5
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8555. 2
8555. 3
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8556. 2
8556. 3
8557. 0
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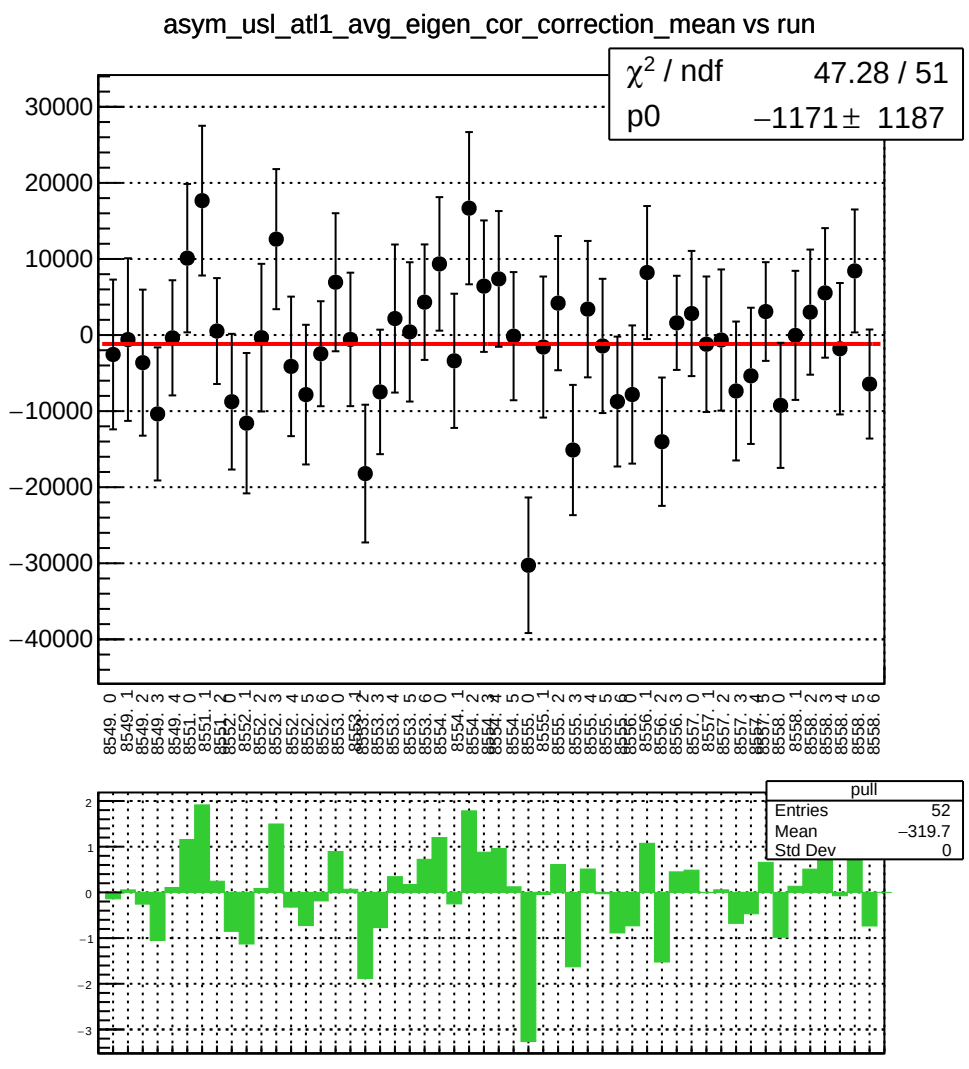
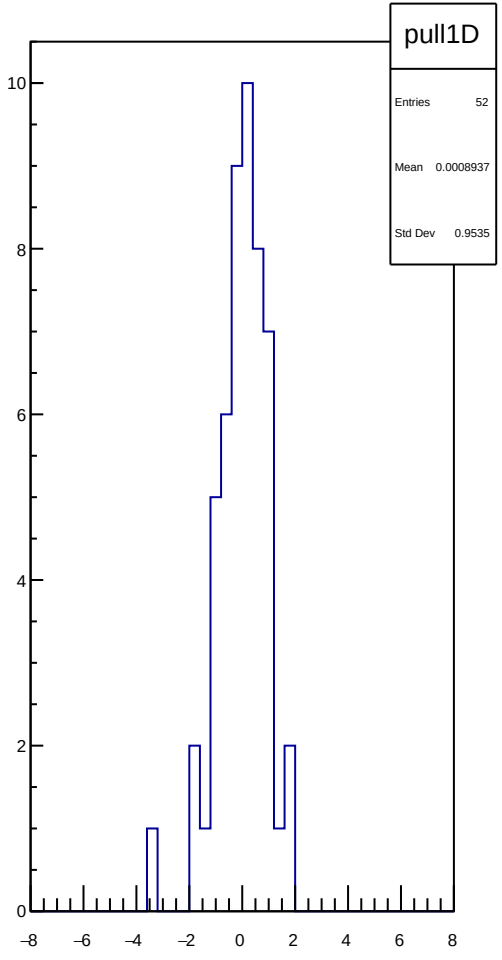
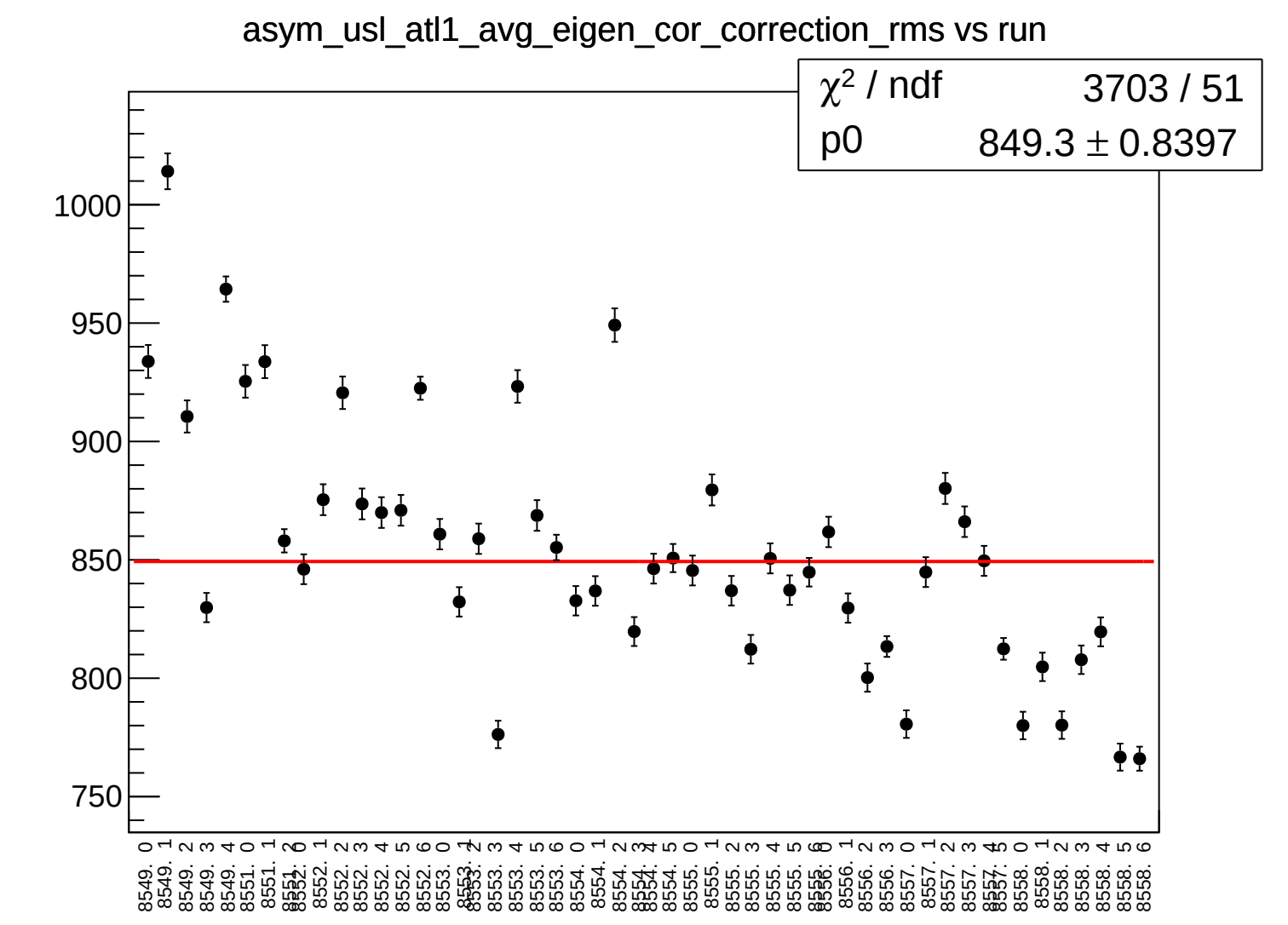
8558. 6


asym_usl_atl1_avg_eigen_cor_correction_mean vs run
χ² / ndf 47.28 / 51
p0 −1171 ± 1187
pull
Entries 52
Mean −319.7
Std Dev 0


pull1D
Entries 52
Mean 0.0008937
Std Dev 0.9535


asym_usl_atl1_avg_eigen_cor_correction_rms vs run
χ² / ndf 3703 / 51
p0 849.3 ± 0.8397
1000
950
900
850
800
750
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
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8556. 2
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8557. 0
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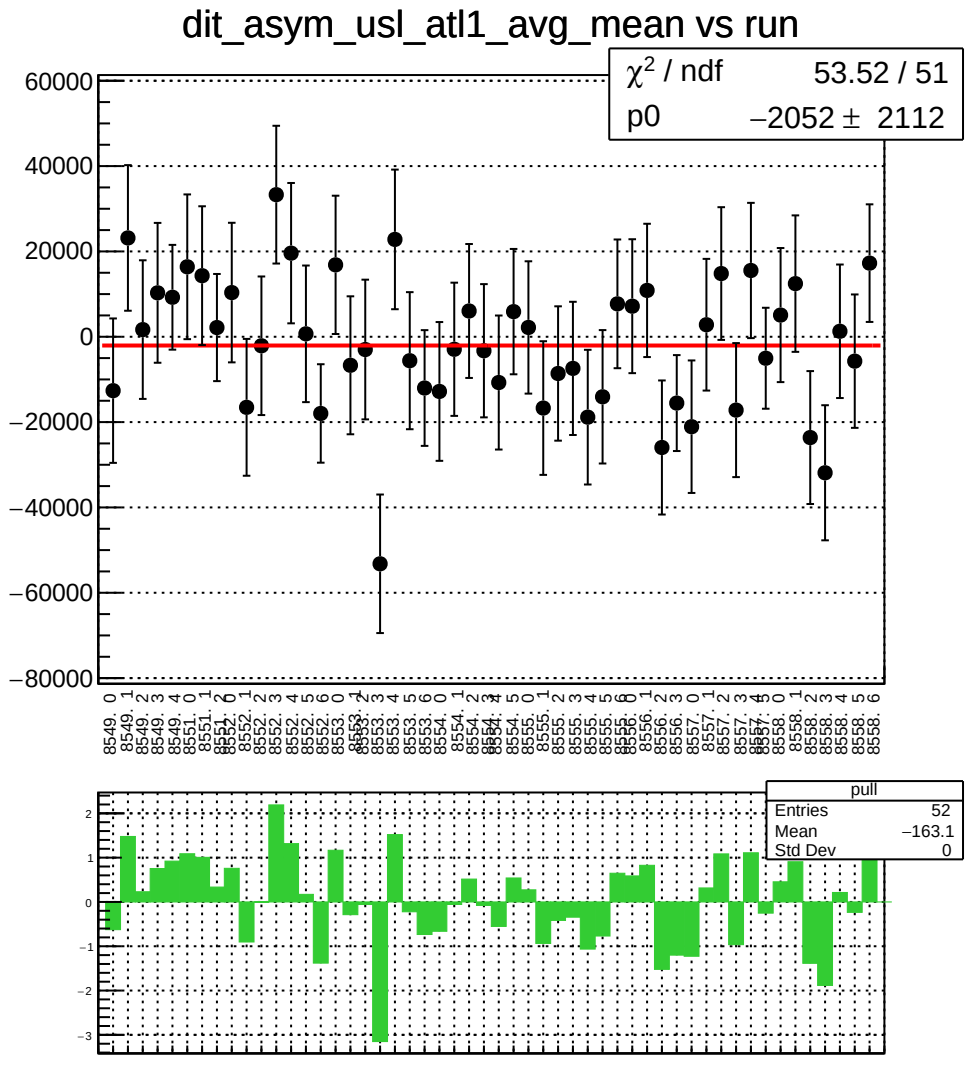
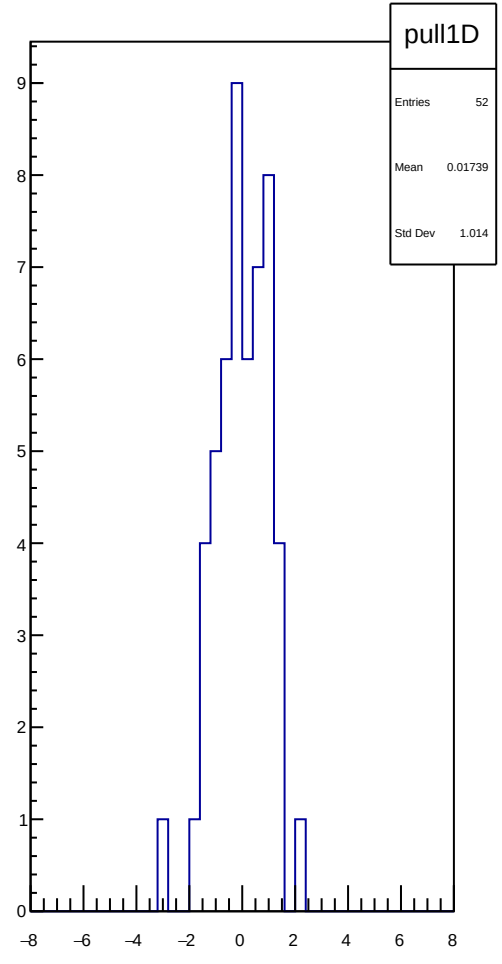
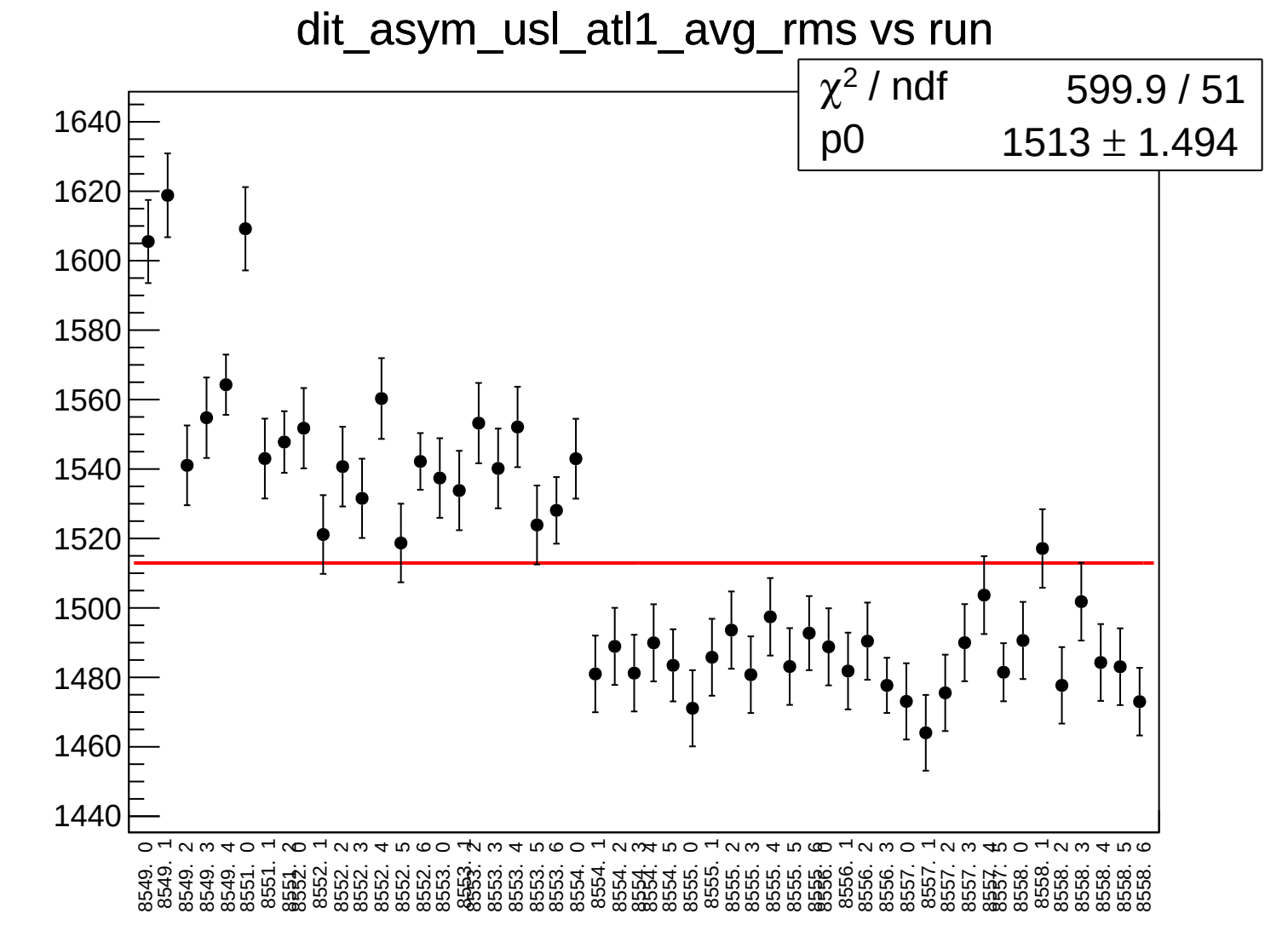
8558. 6


dit_asym_usl_atl1_avg_mean vs run
χ² / ndf 53.52 / 51
p0 −2052 ± 2112
pull
Entries 52
Mean −163.1
Std Dev 0


pull1D
Entries 52
Mean 0.01739
Std Dev 1.014


dit_asym_usl_atl1_avg_rms vs run
χ² / ndf 599.9 / 51
p0 1513 ± 1.494
1640
1620
1600
1580
1560
1540
1520
1500
1480
1460
1440
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
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8552. 2
8552. 3
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8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 5
8555. 0
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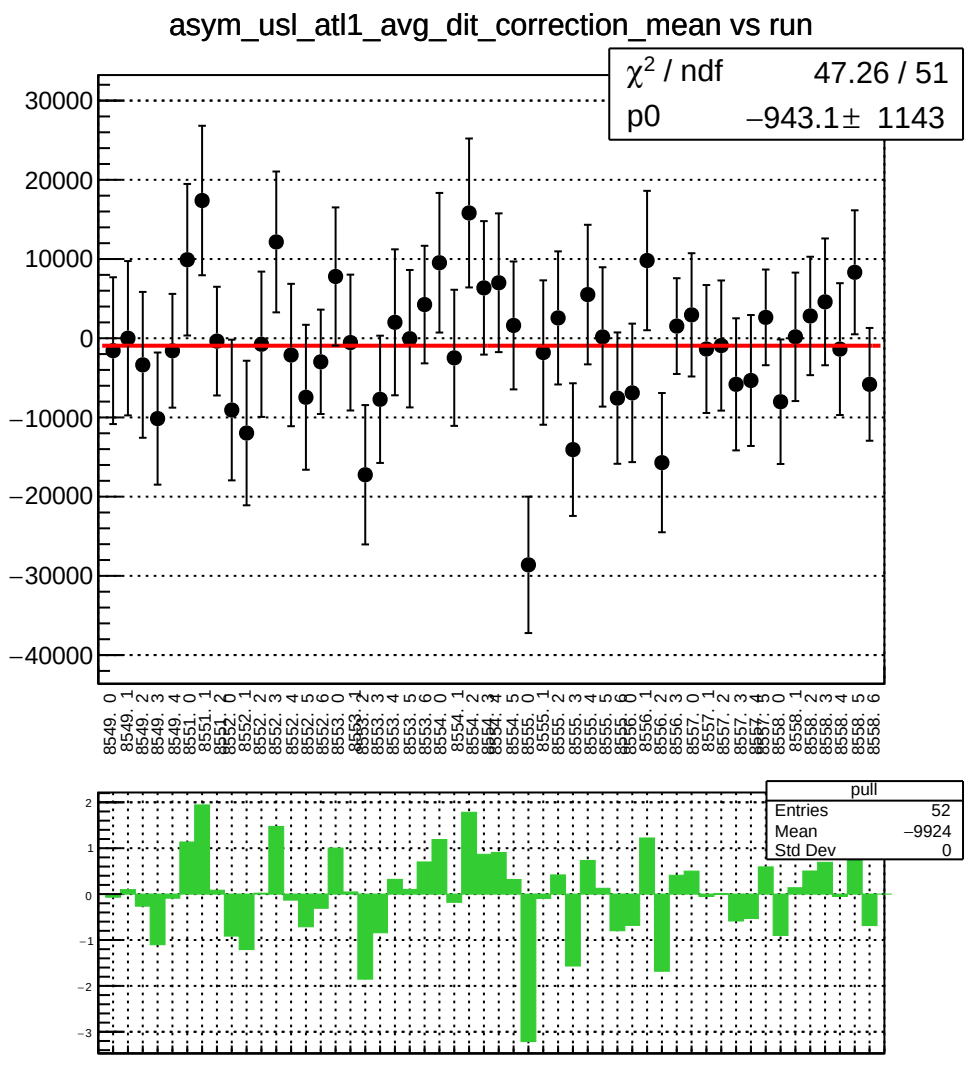
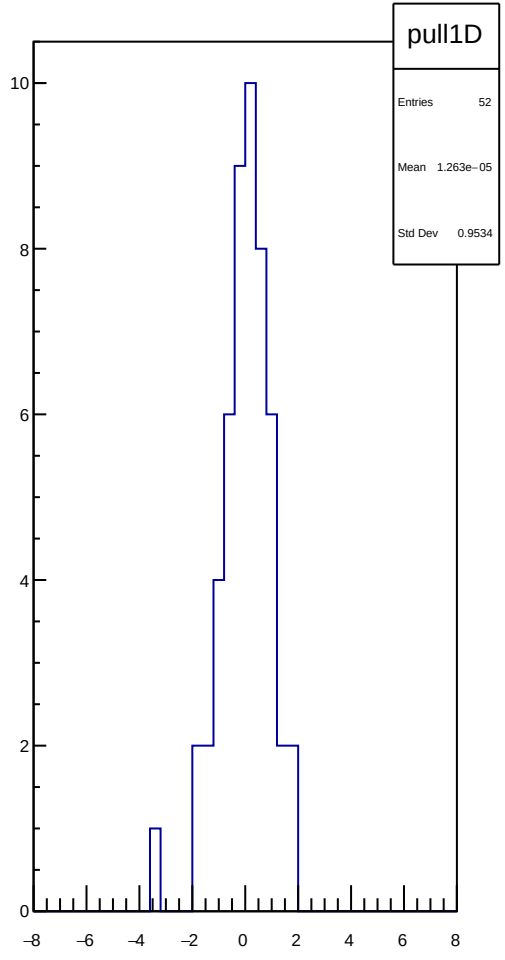
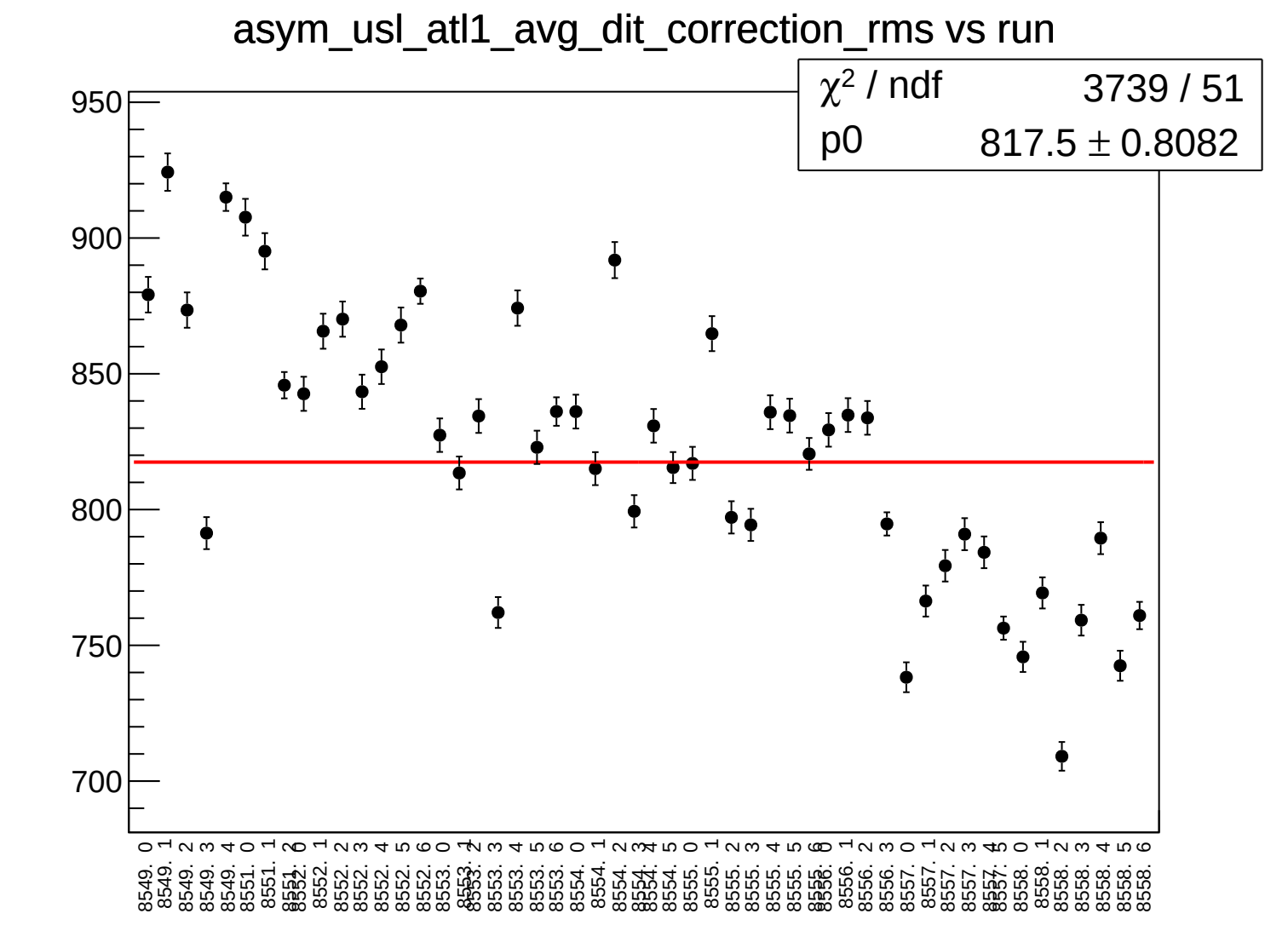
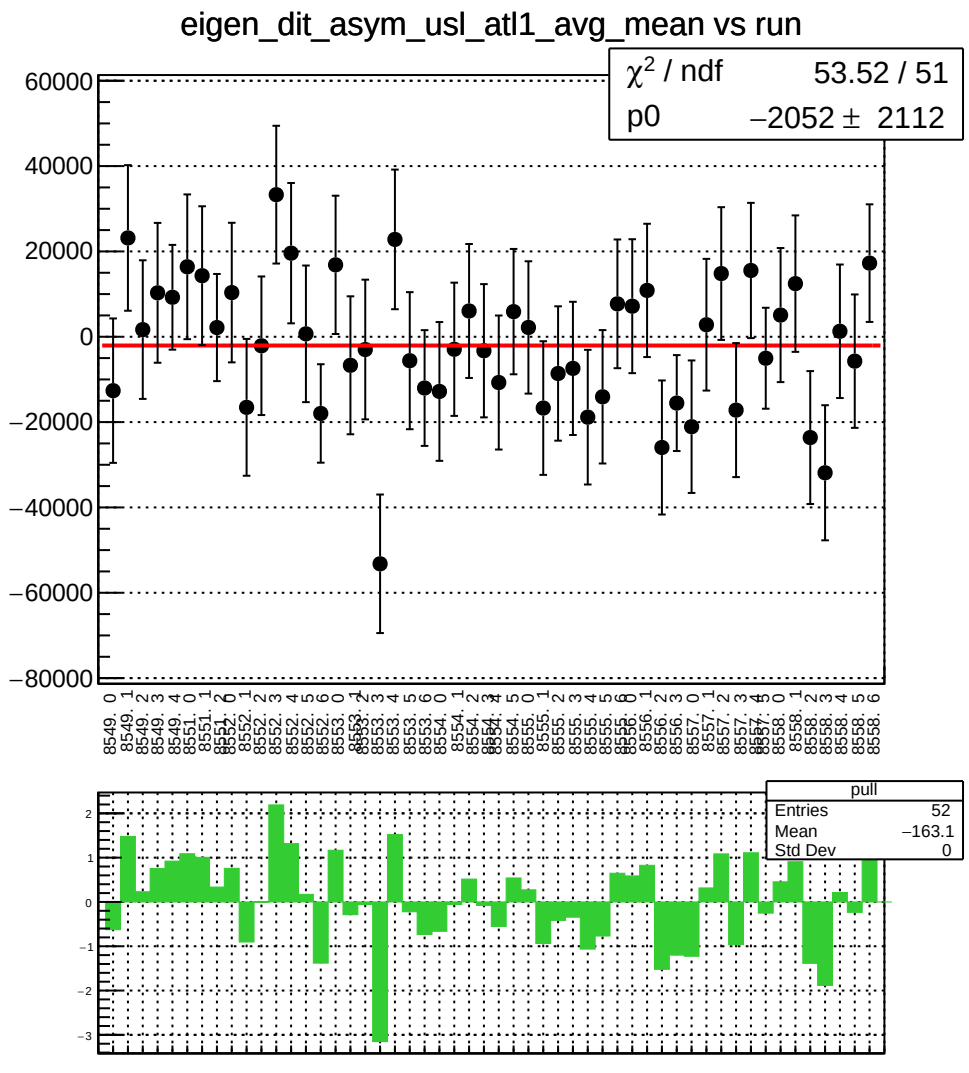
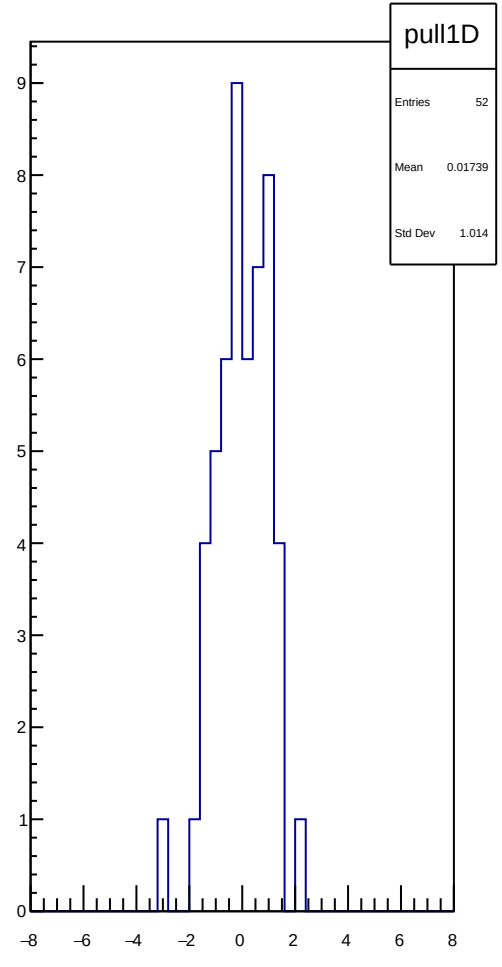
8558. 5
8558. 6

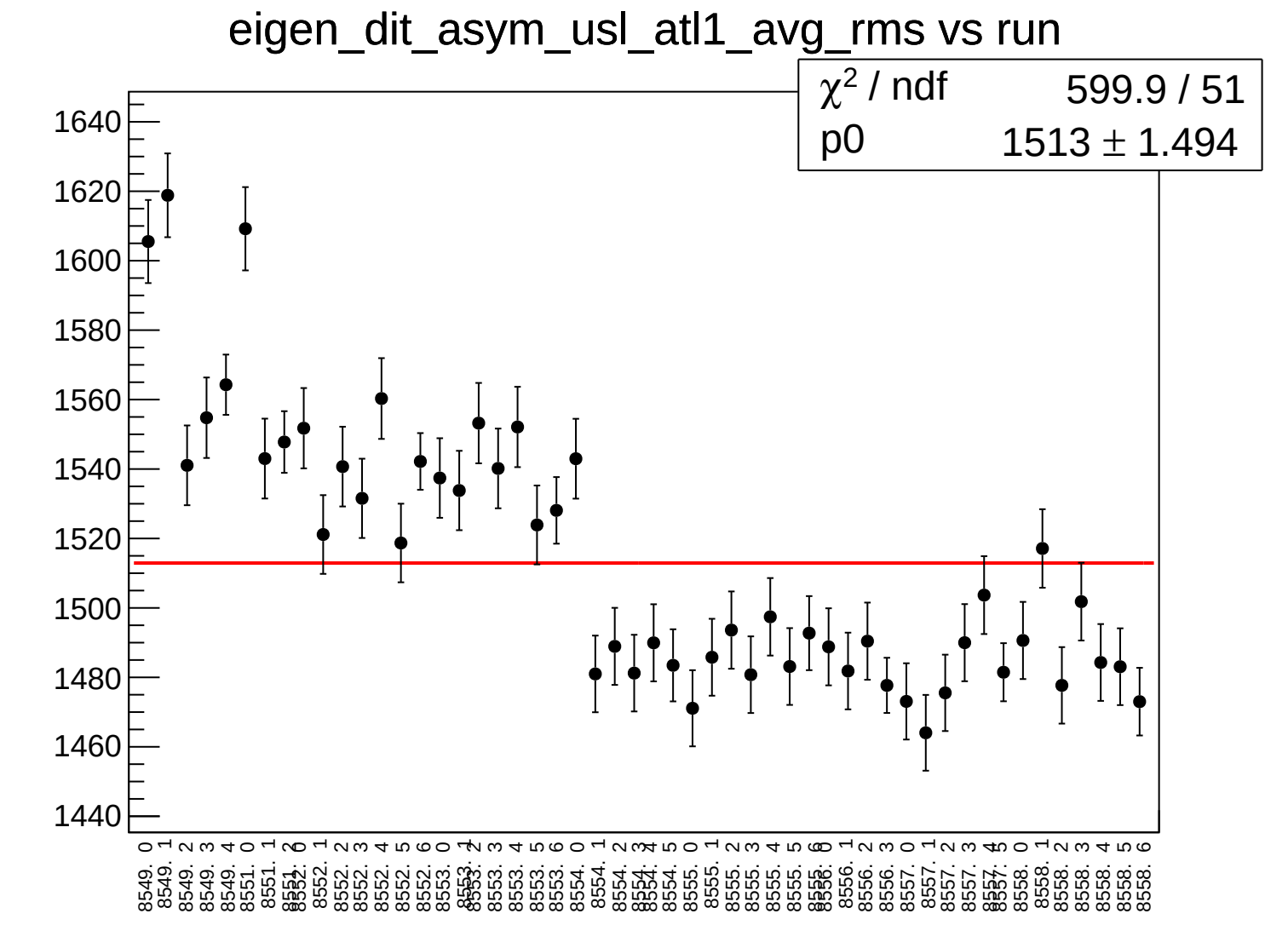

asym_usl_atl1_avg_dit_correction_mean vs run
χ² / ndf 47.26 / 51
p0 −943.1± 1143
pull
Entries 52
Mean −9924
Std Dev 0


pull1D
Entries 52
Mean 1.263e−05
Std Dev 0.9534


asym_usl_atl1_avg_dit_correction_rms vs run
χ² / ndf 3739 / 51
p0 817.5 ± 0.8082
950
900
850
800
750
700
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6


eigen_dit_asym_usl_atl1_avg_mean vs run
χ² / ndf 53.52 / 51
p0 −2052 ± 2112
pull
Entries 52
Mean −163.1
Std Dev 0


pull1D
Entries 52
Mean 0.01739
Std Dev 1.014


eigen_dit_asym_usl_atl1_avg_rms vs run
χ² / ndf 599.9 / 51
p0 1513 ± 1.494
1640
1620
1600
1580
1560
1540
1520
1500
1480
1460
1440
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
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8556. 1
8556. 2
8556. 3
8557. 0
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8557. 3
8558. 0
8558. 1
8558. 2
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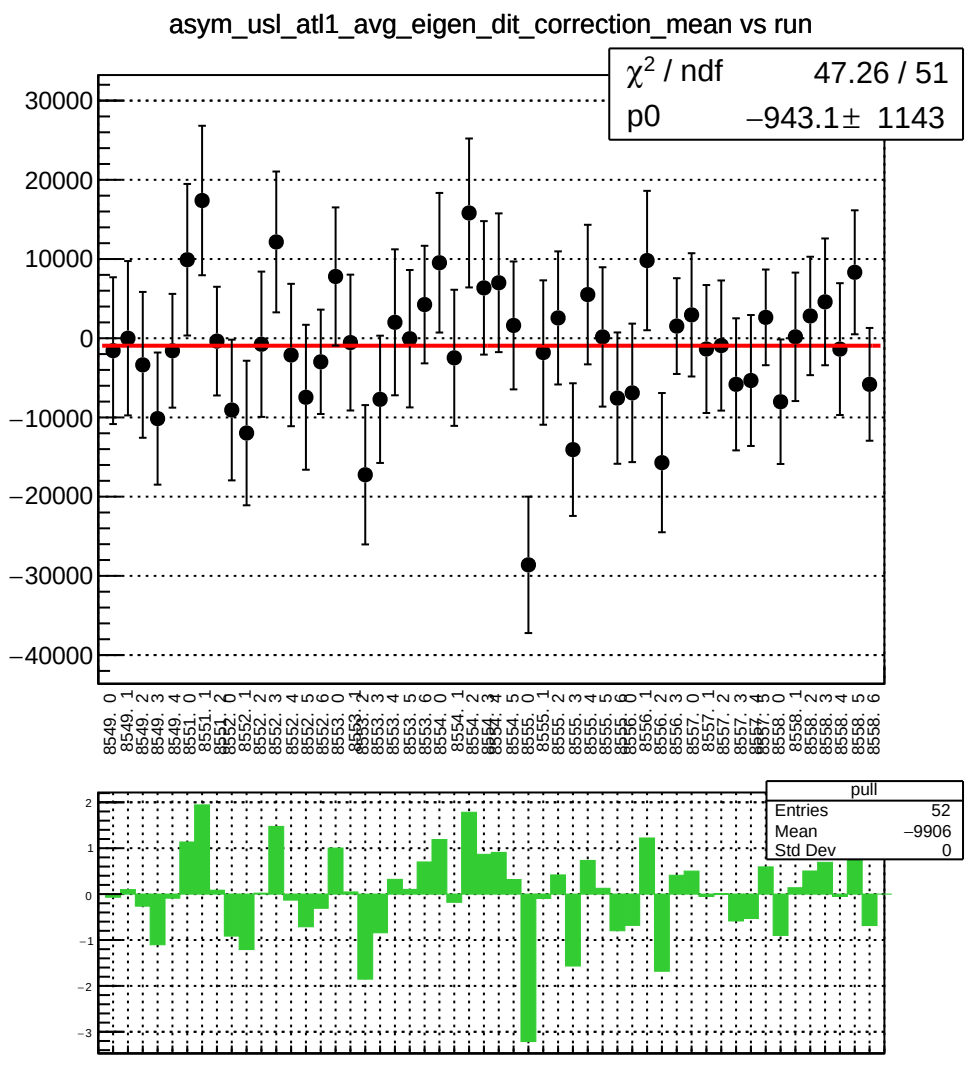
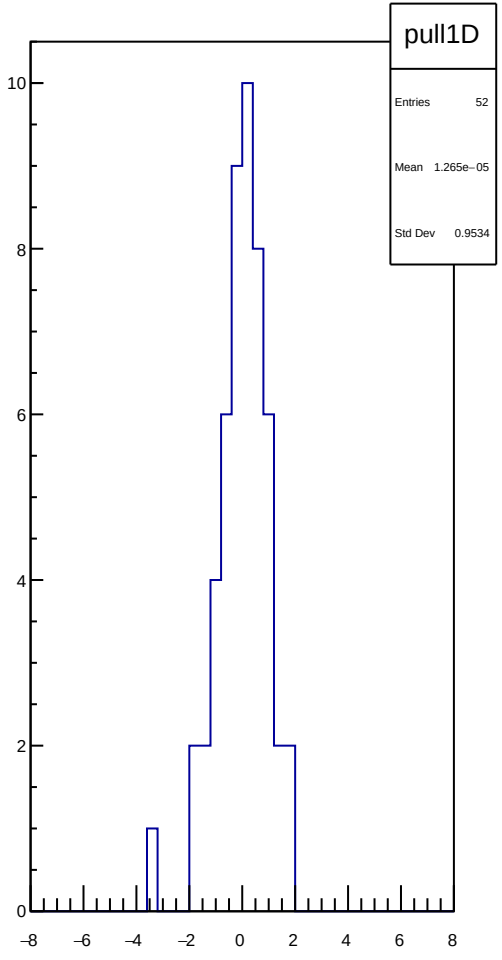
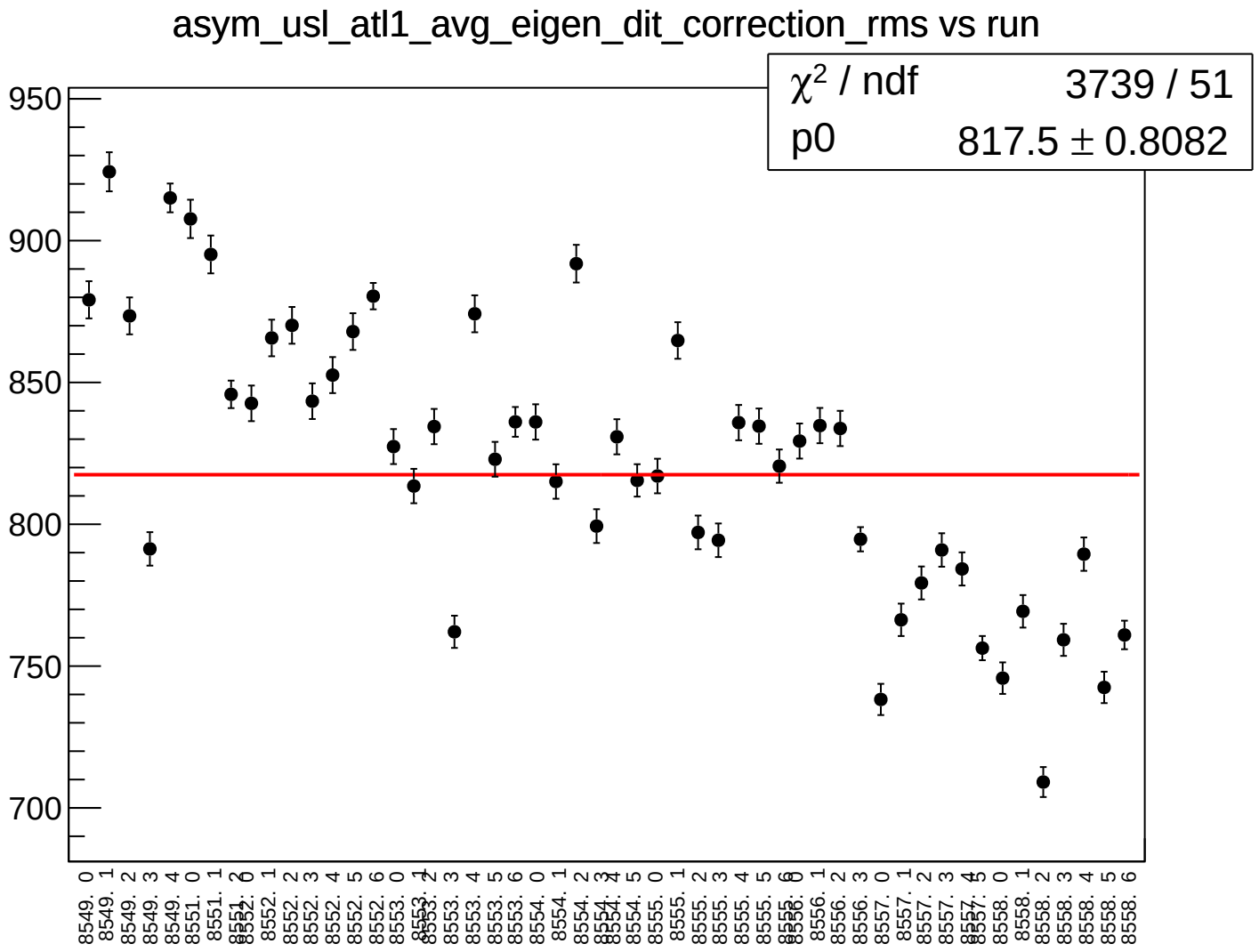
8558. 5
8558. 6


asym_usl_atl1_avg_eigen_dit_correction_mean vs run
χ² / ndf 47.26 / 51
p0 −943.1± 1143
pull
Entries 52
Mean −9906
Std Dev 0


pull1D
Entries 52
Mean 1.265e−05
Std Dev 0.9534


asym_usl_atl1_avg_eigen_dit_correction_rms vs run
χ² / ndf 3739 / 51
p0 817.5 ± 0.8082
950
900
850
800
750
700
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
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8553. 5
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8554. 2
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8555. 5
8556. 1
8556. 2
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8557. 0
8557. 1
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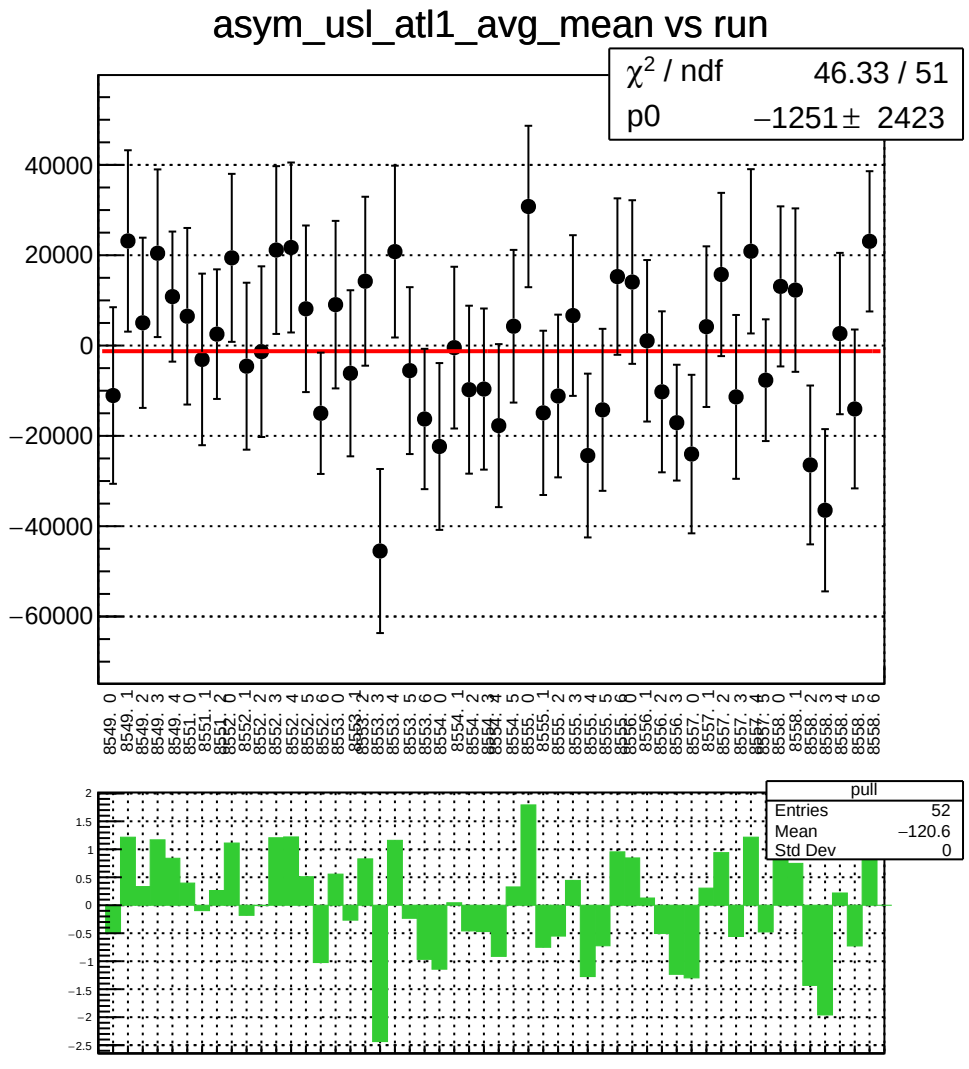
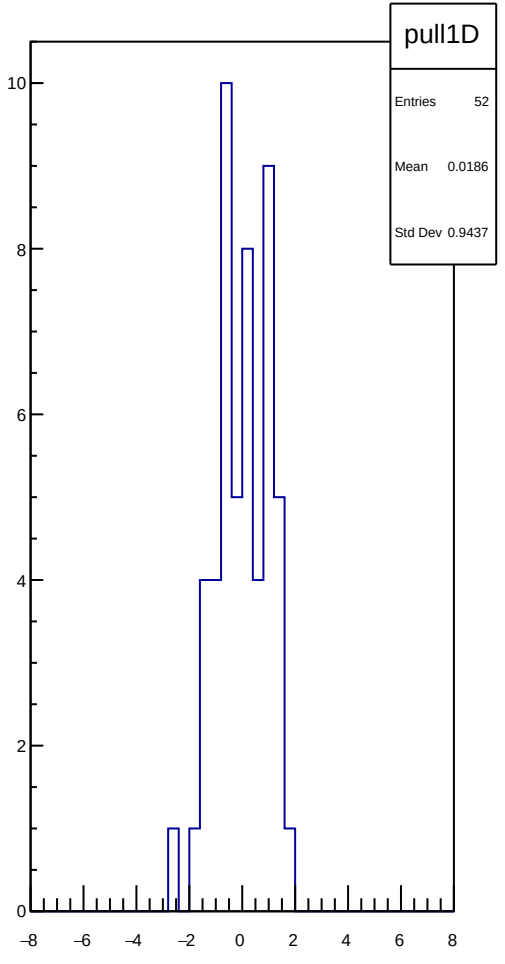
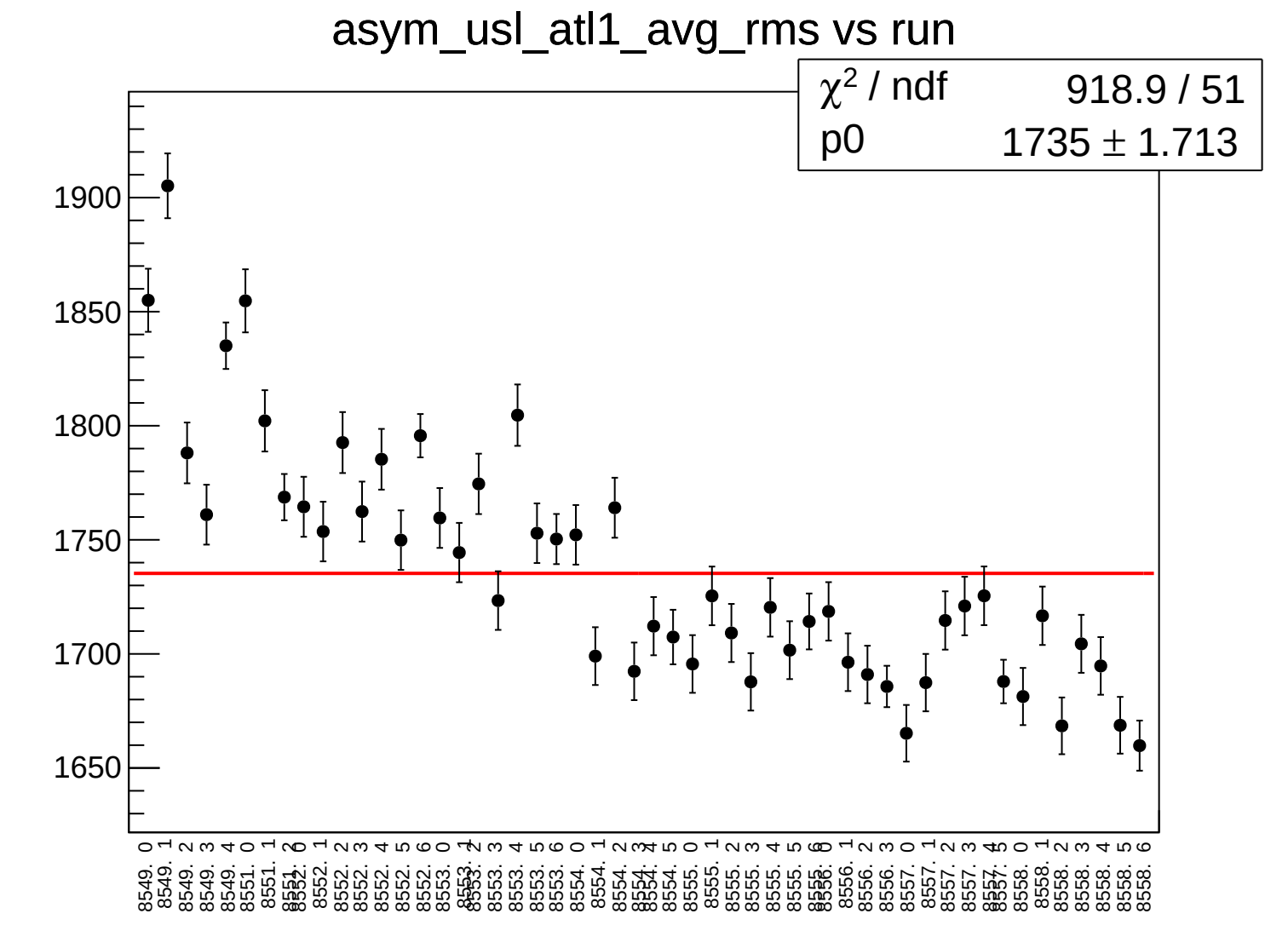
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6


asym_usl_atl1_avg_mean vs run
χ² / ndf 46.33 / 51
p0 −1251 ± 2423
40000
20000
0
−20000
−40000
−60000
pull
Entries 52
Mean −120.6
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5


pull1D
Entries 52
Mean 0.0186
Std Dev 0.9437
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


asym_usl_atl1_avg_rms vs run
χ² / ndf 918.9 / 51
p0 1735 ± 1.713
1900
1850
1800
1750
1700
1650
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
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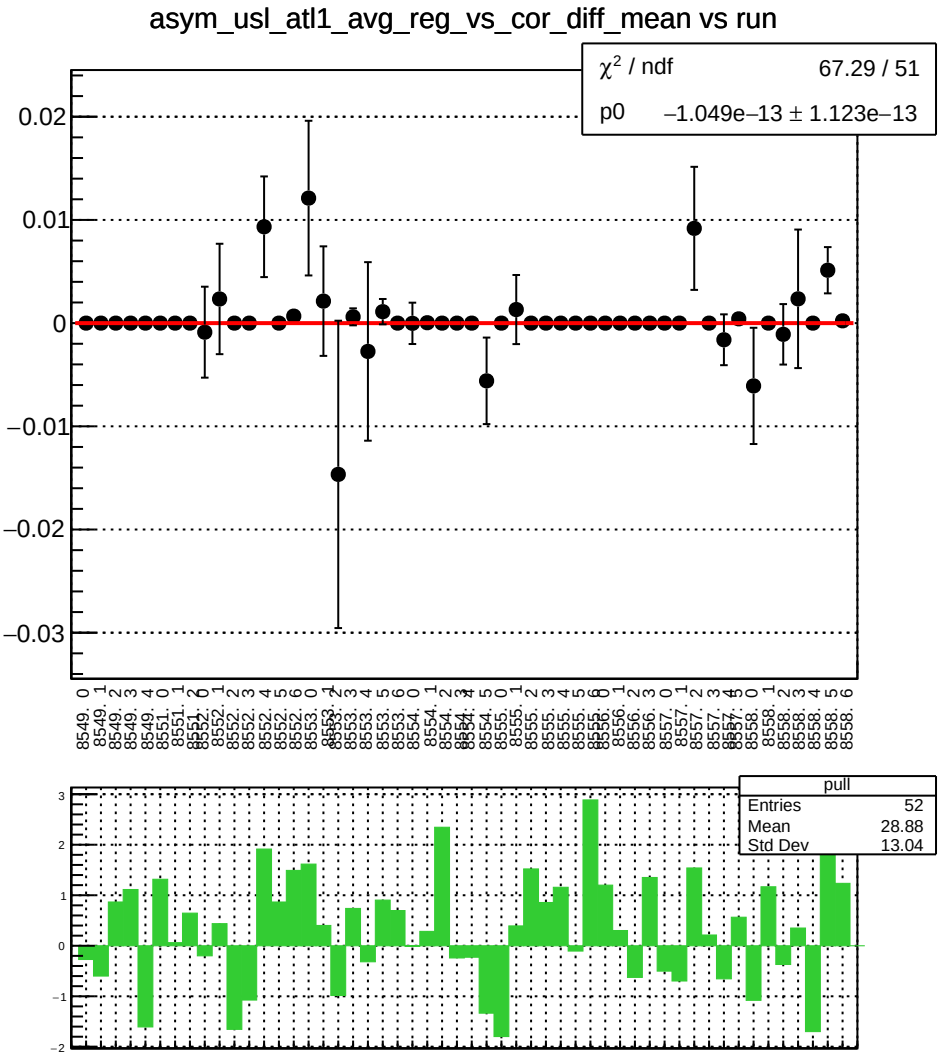
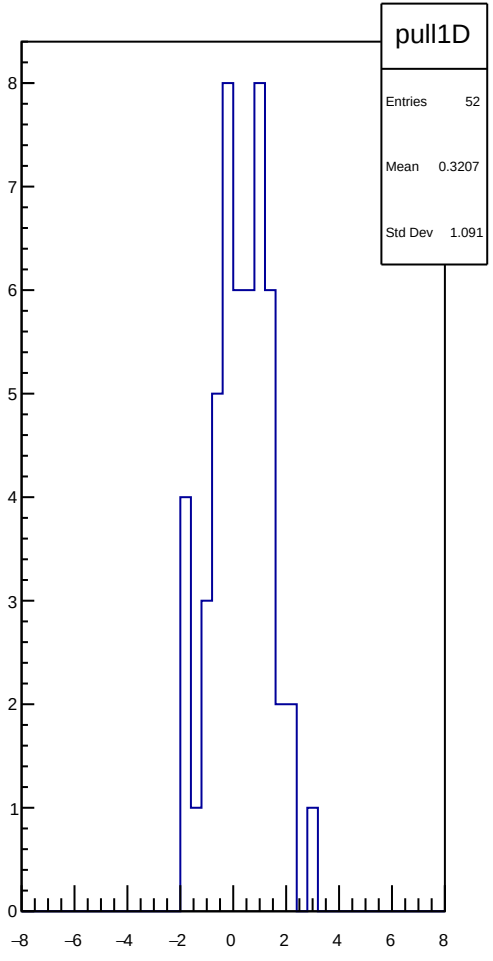
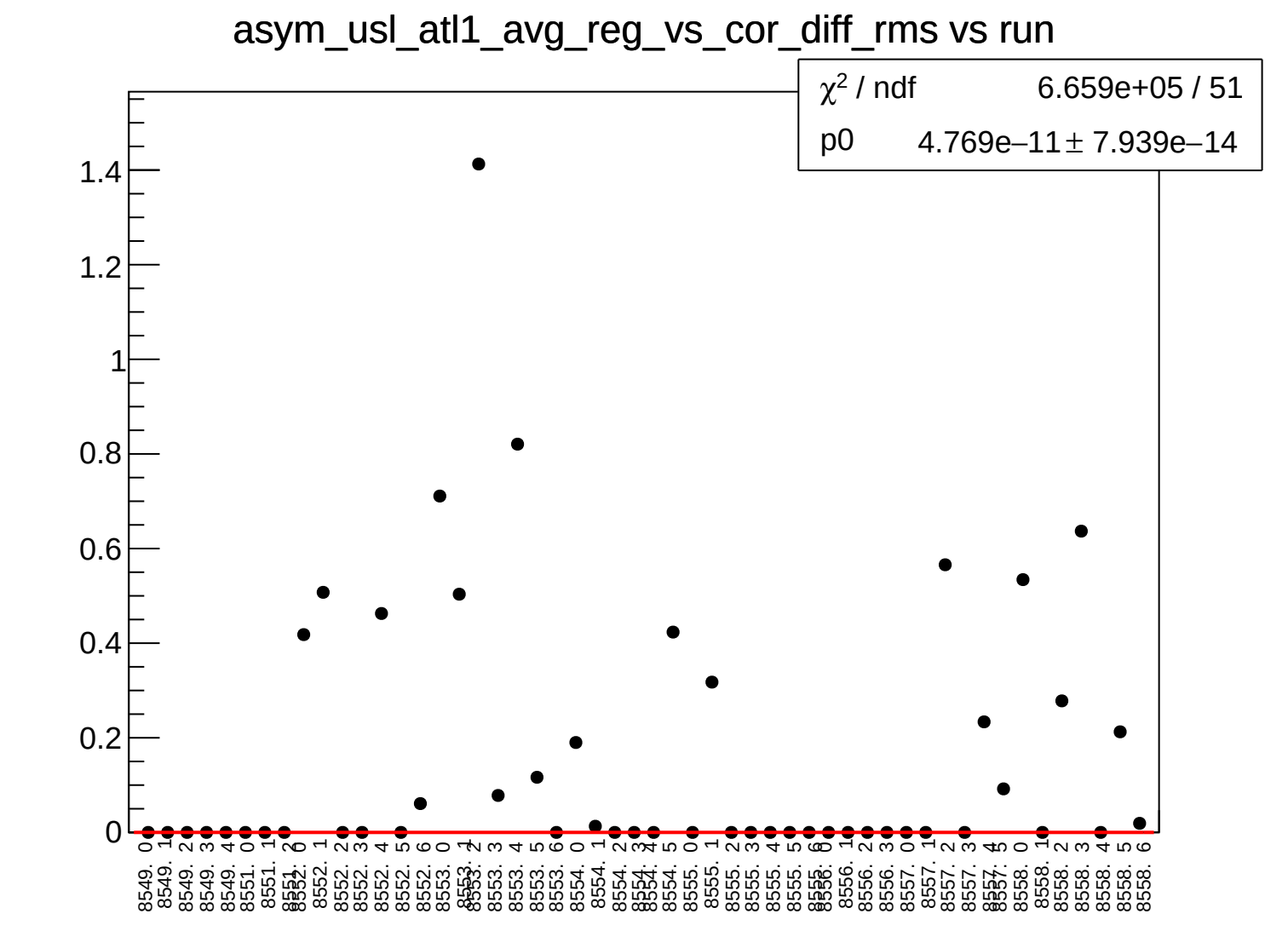
8558. 6


asym_usl_atl1_avg_reg_vs_cor_diff_mean vs run
χ² / ndf 67.29 / 51
p0 −1.049e−13 ± 1.123e−13
pull
Entries 52
Mean 28.88
Std Dev 13.04


pull1D
Entries 52
Mean 0.3207
Std Dev 1.091


asym_usl_atl1_avg_reg_vs_cor_diff_rms vs run
χ² / ndf 6.659e+05 / 51
p0 4.769e−11 ± 7.939e−14
1.4
1.2
1
0.8
0.6
0.4
0.2
0
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 0
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8552. 2
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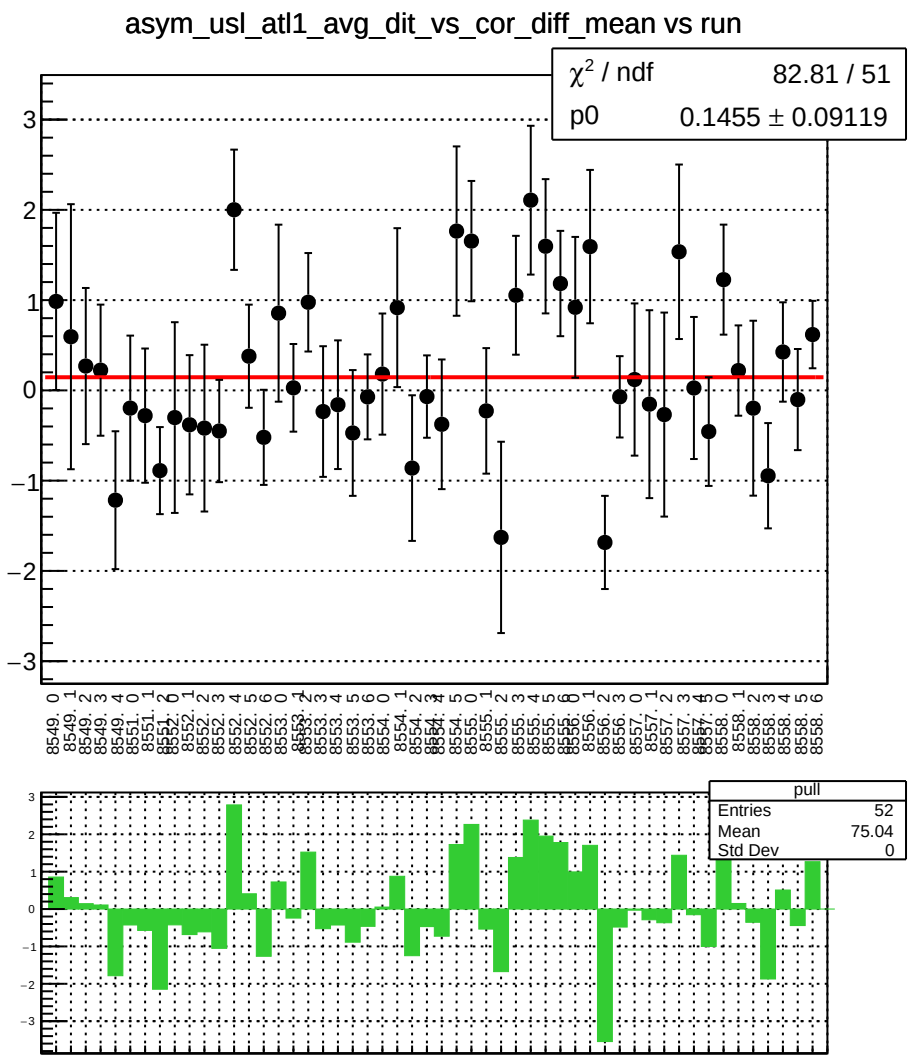
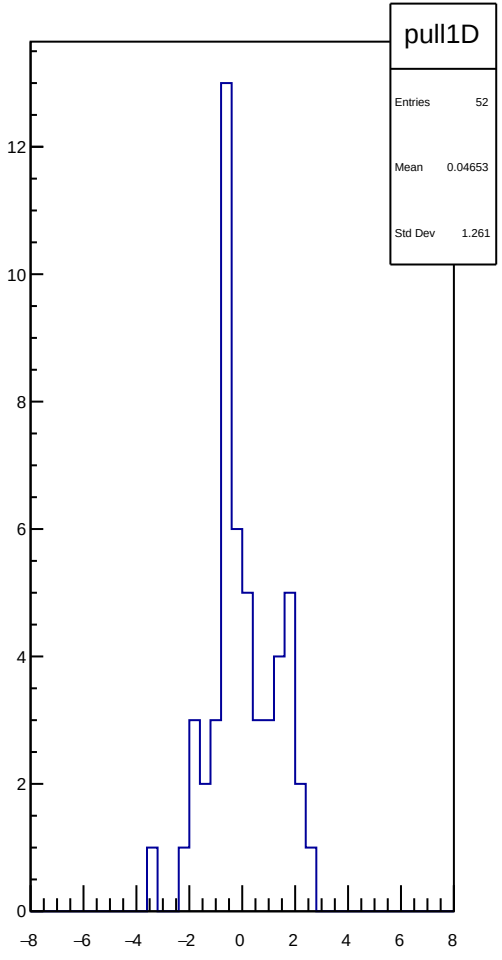
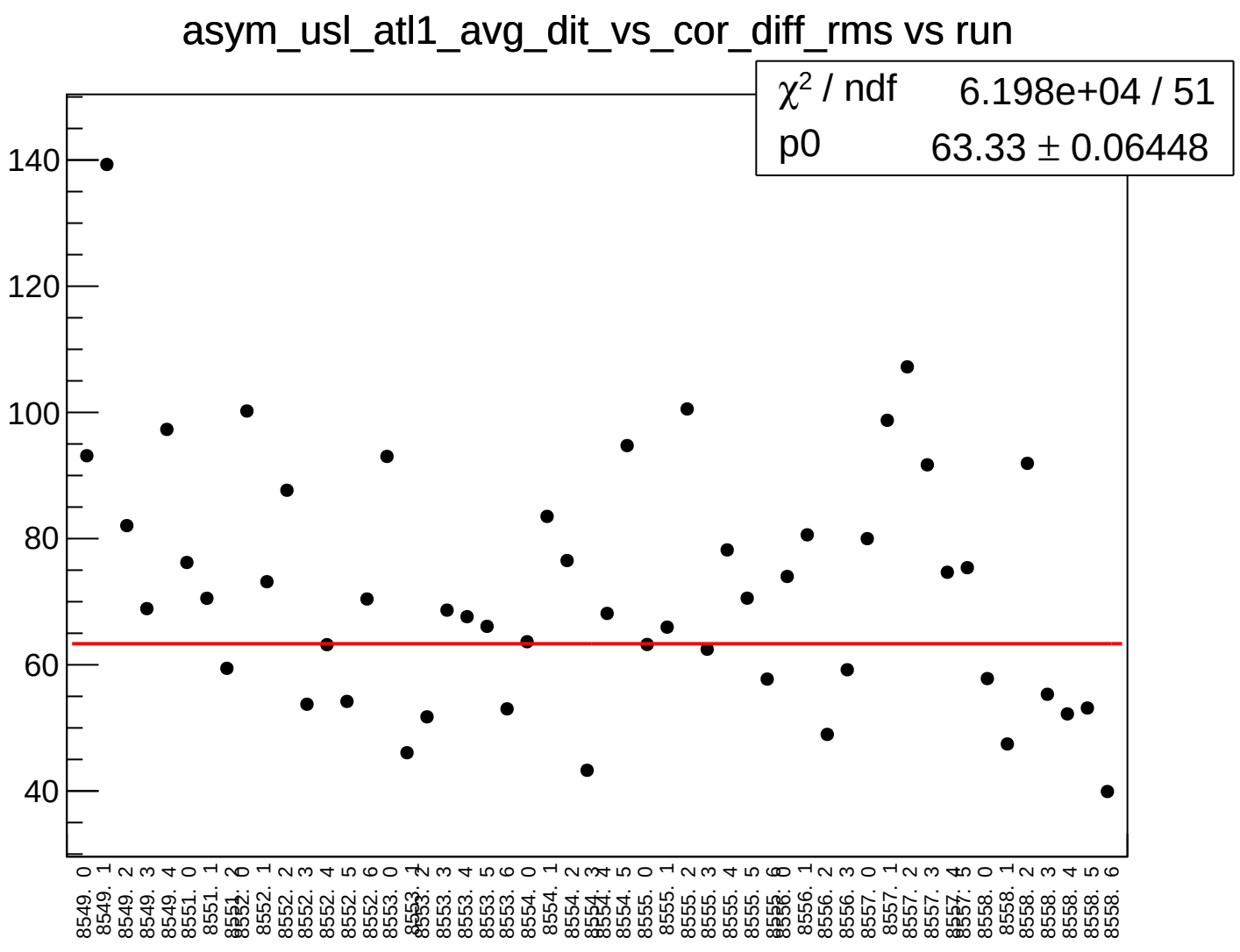
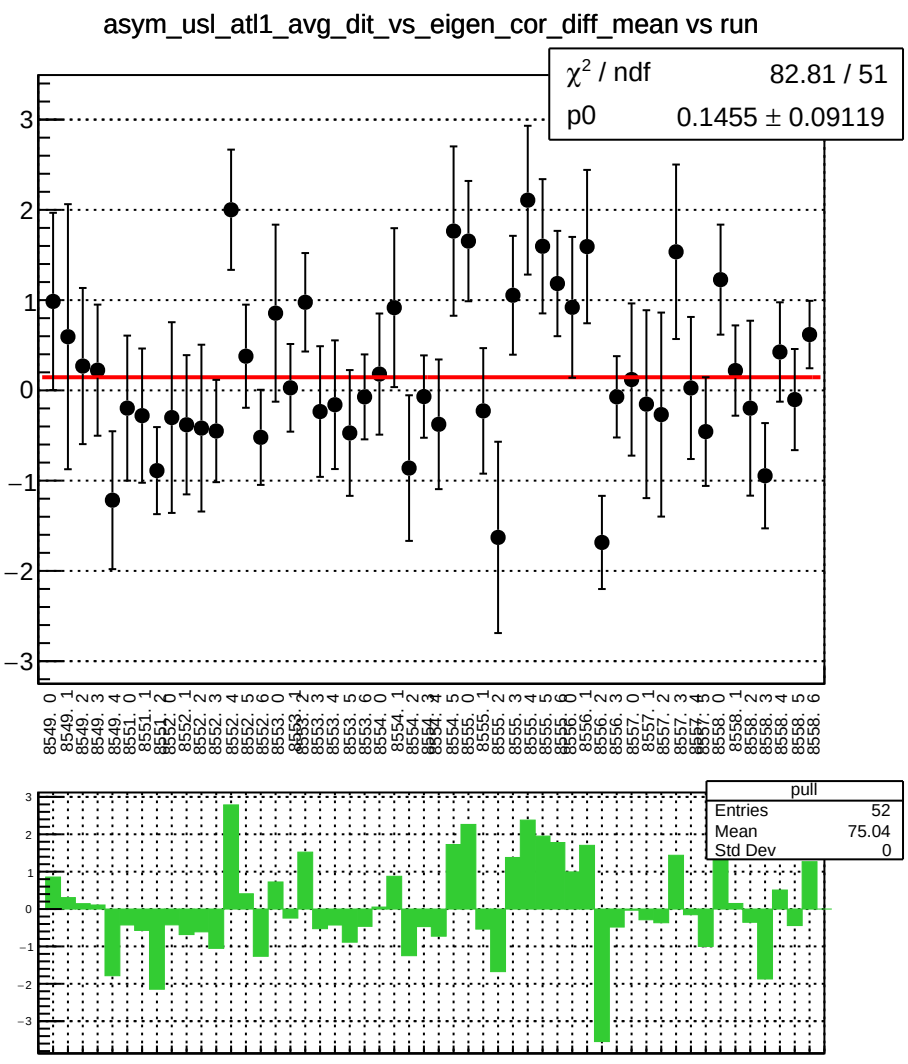
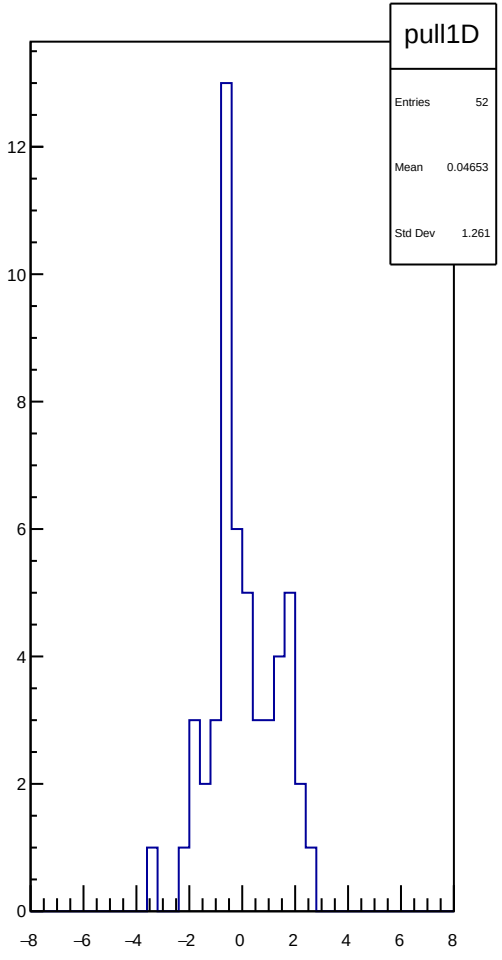
8558. 5
8558. 6

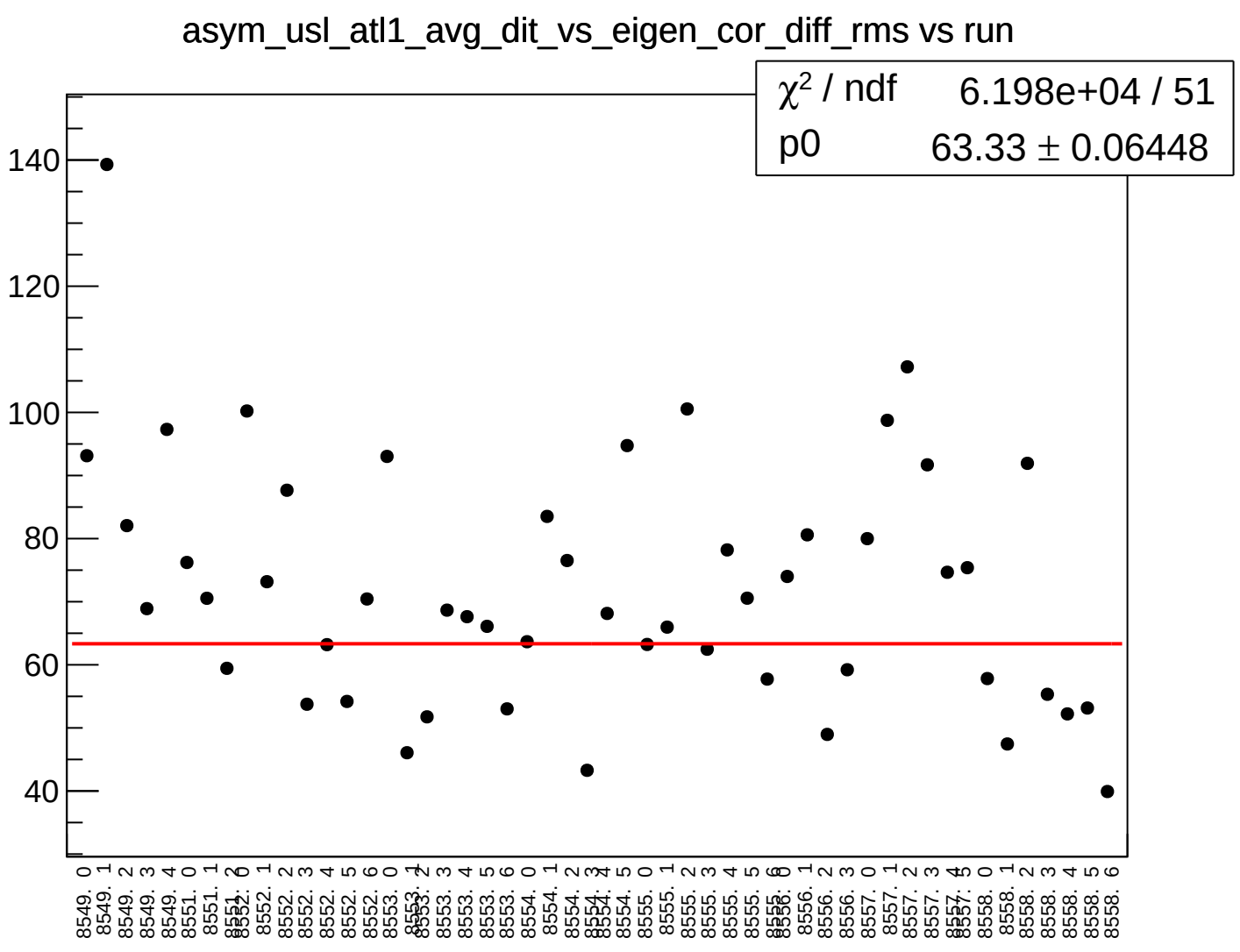

asym_usl_atl1_avg_dit_vs_cor_diff_mean vs run
χ² / ndf 82.81 / 51
p0 0.1455 ± 0.09119
pull
Entries 52
Mean 75.04
Std Dev 0

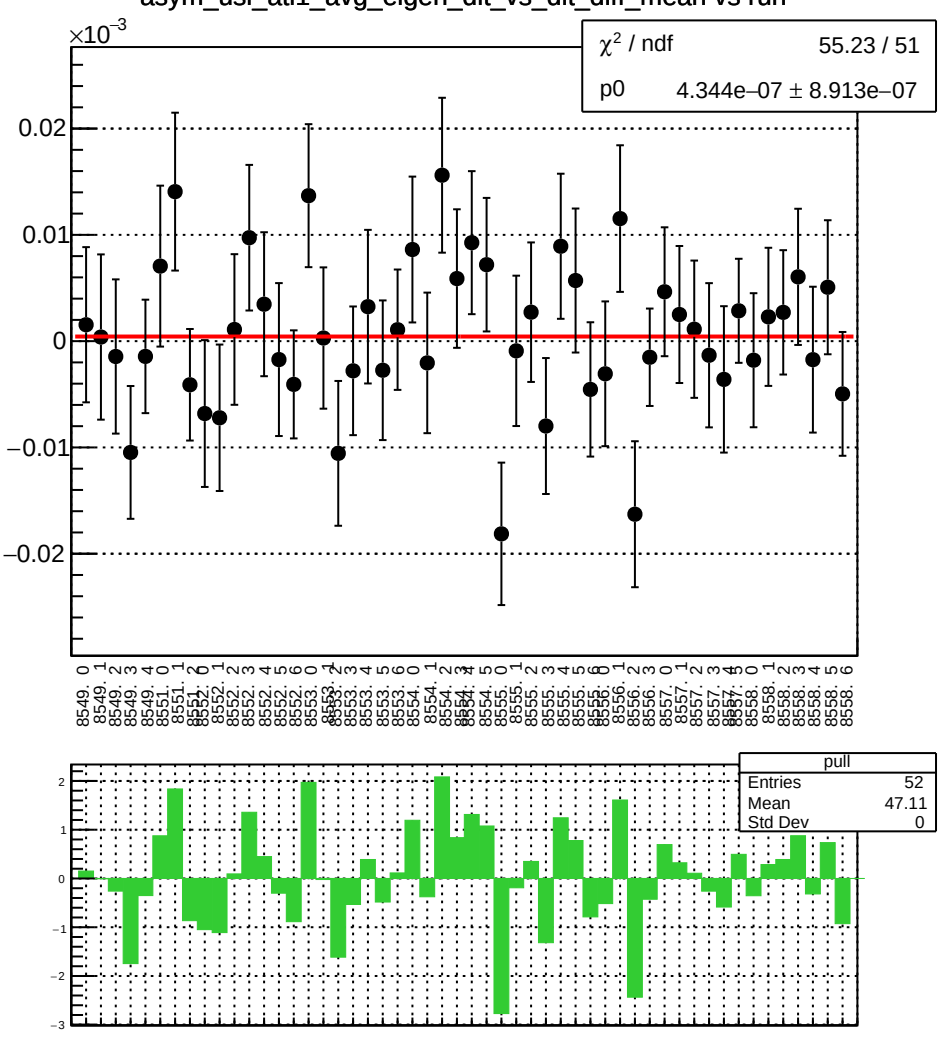

pull1D
Entries 52
Mean 0.04653
Std Dev 1.261

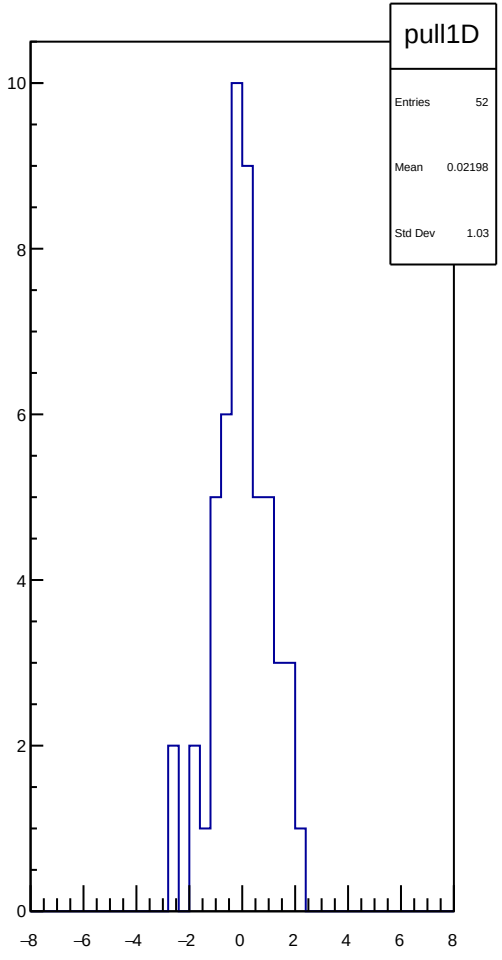

asym_usl_atl1_avg_dit_vs_cor_diff_rms vs run
χ² / ndf 6.198e+04 / 51
p0 63.33 ± 0.06448
140
120
100
80
60
40
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 5
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

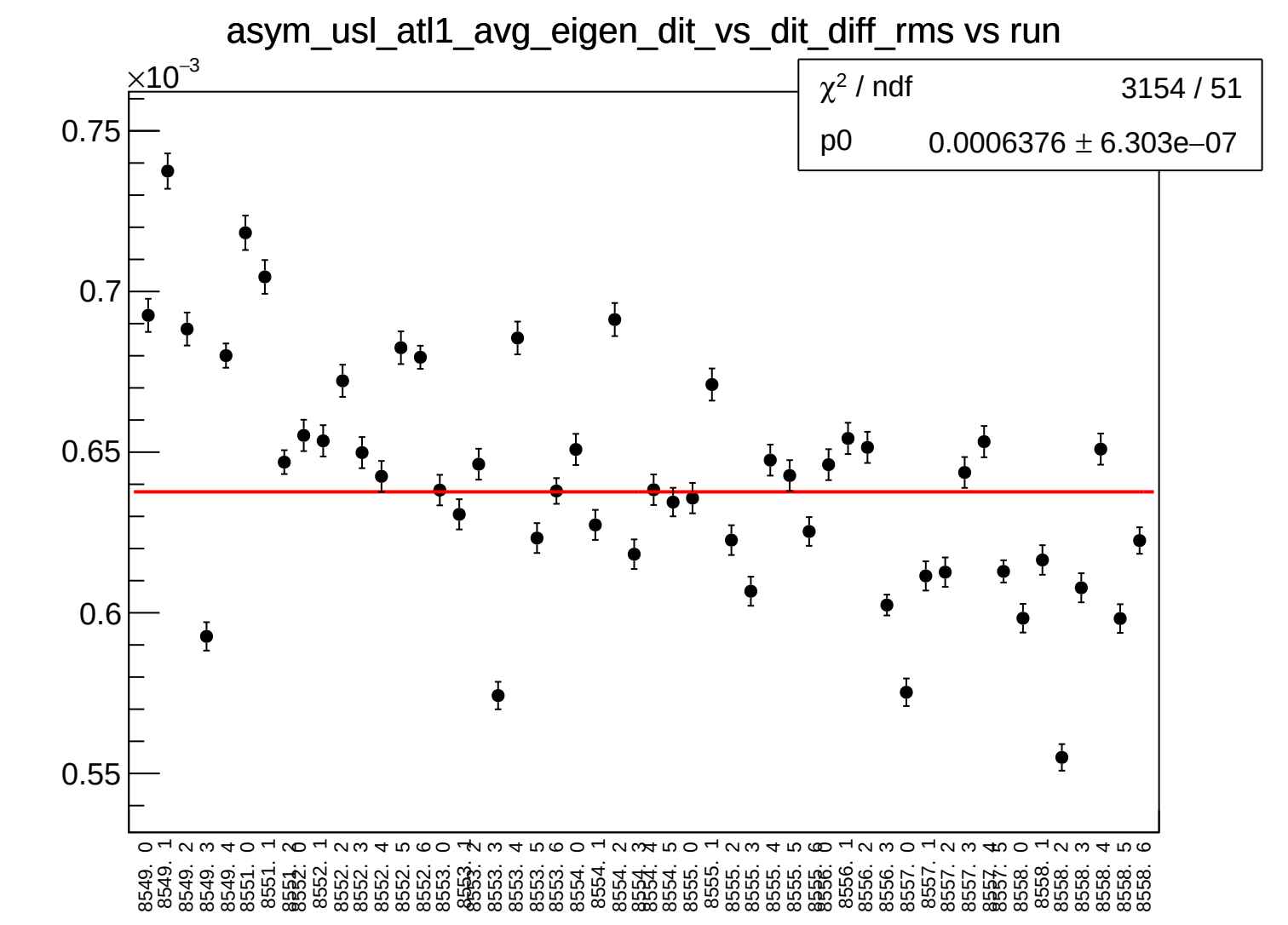

asym_usl_atl1_avg_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 82.81 / 51
p0 0.1455 ± 0.09119
pull
Entries 52
Mean 75.04
Std Dev 0

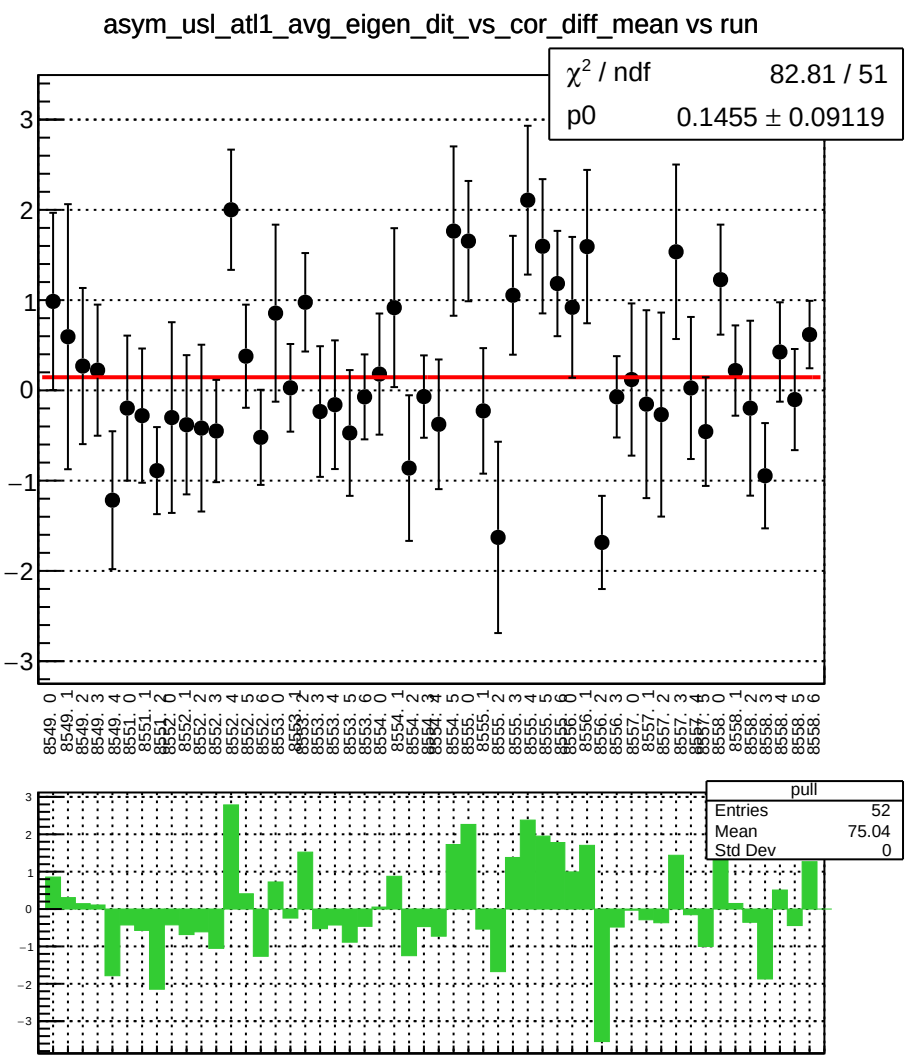

pull1D
Entries 52
Mean 0.04653
Std Dev 1.261

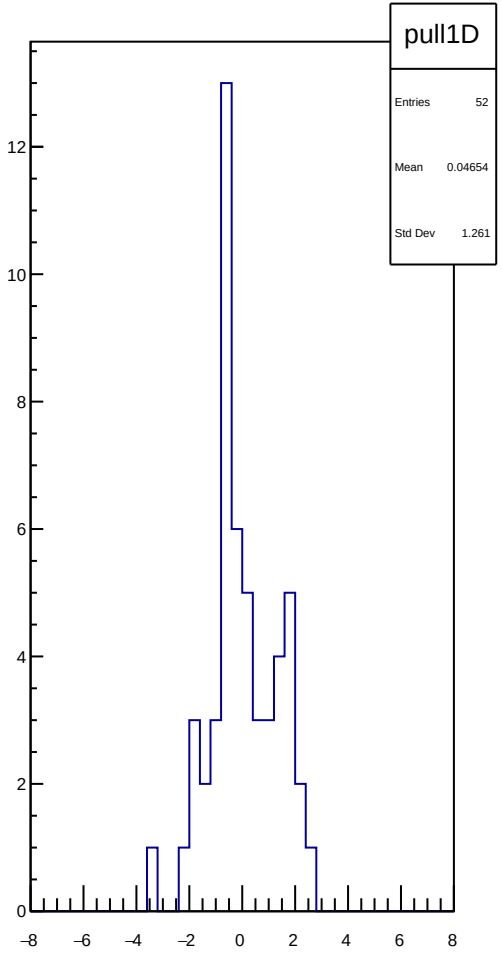

asym_usl_atl1_avg_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 6.198e+04 / 51
p0 63.33 ± 0.06448
140
120
100
80
60
40
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 5
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

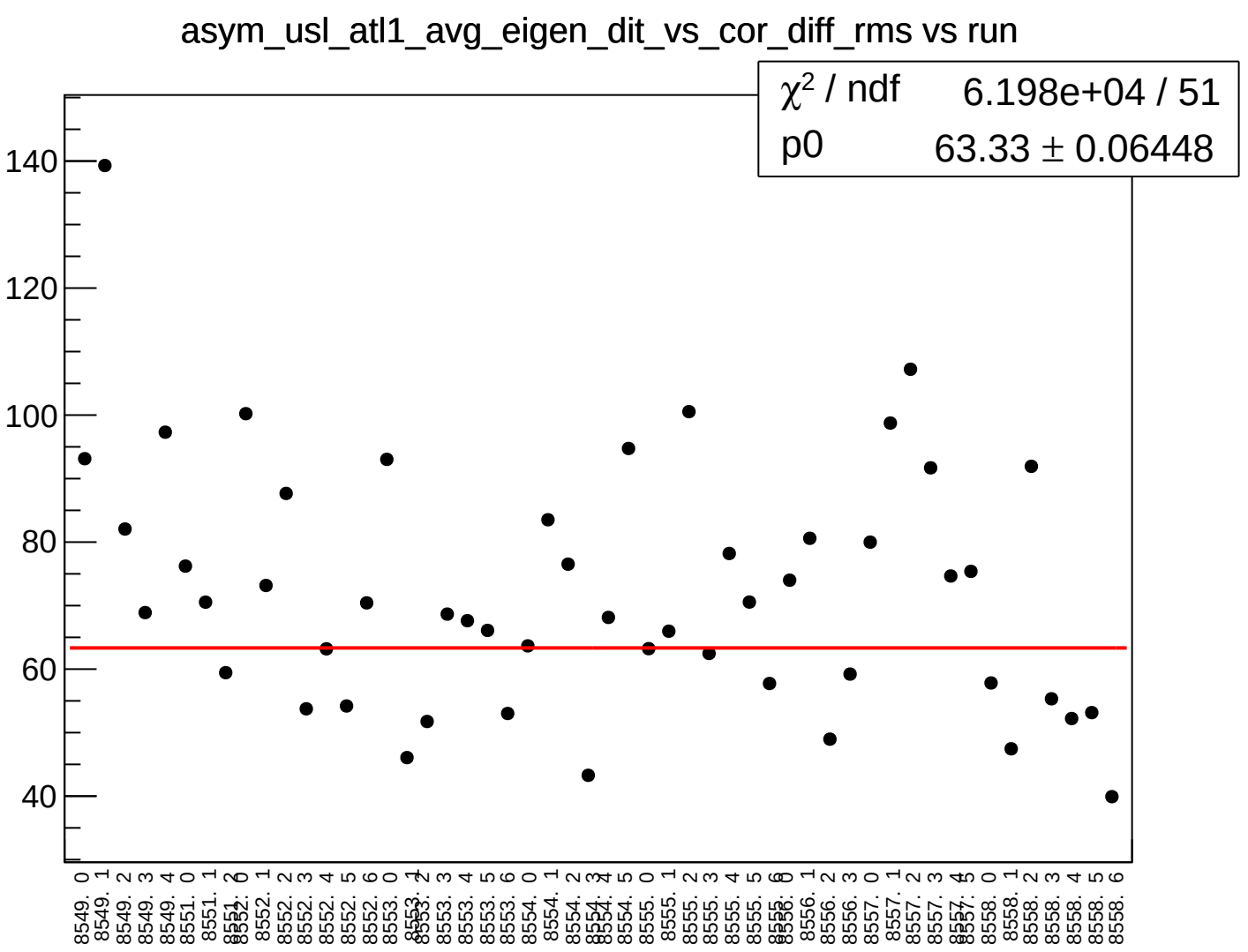

asym_usl_atl1_avg_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 55.23 / 51
p0 4.344e−07 ± 8.913e−07
0.02
0.01
0
−0.01
−0.02
pull
Entries 52
Mean 47.11
Std Dev 0
2
1
0
−1
−2
−3

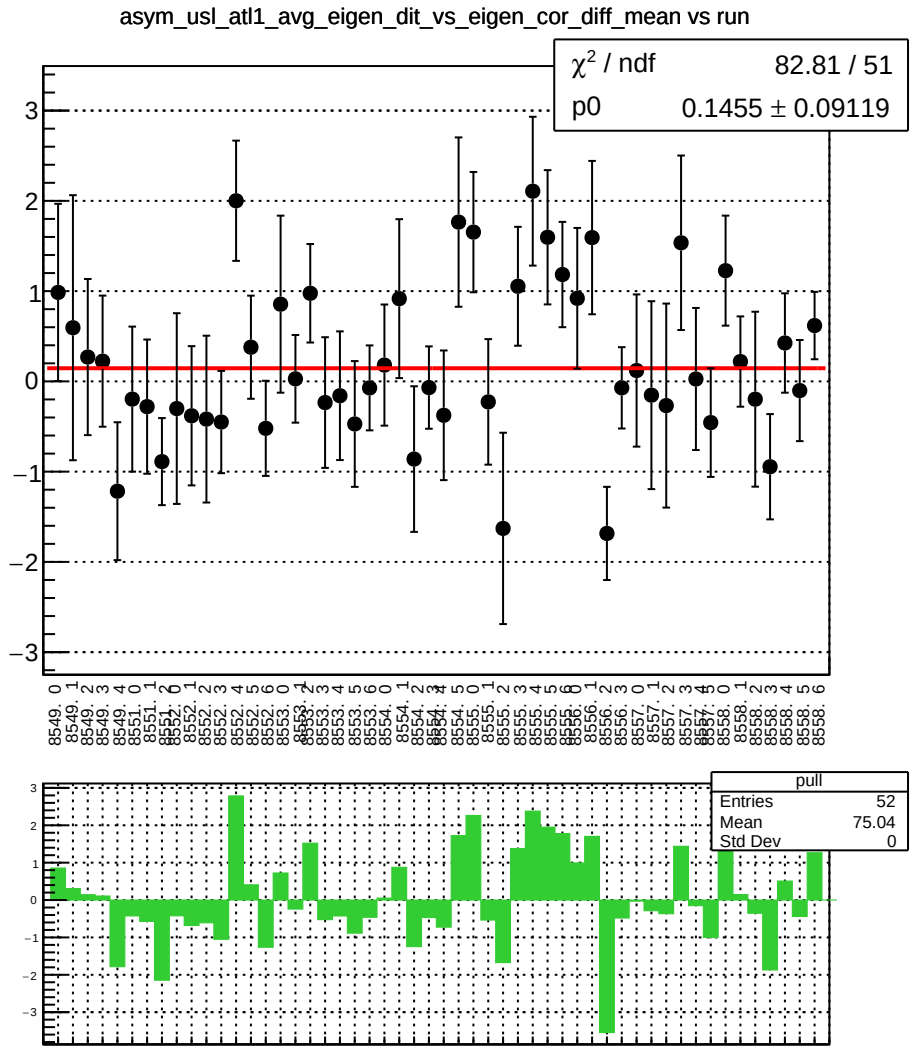

pull1D
Entries 52
Mean 0.02198
Std Dev 1.03
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

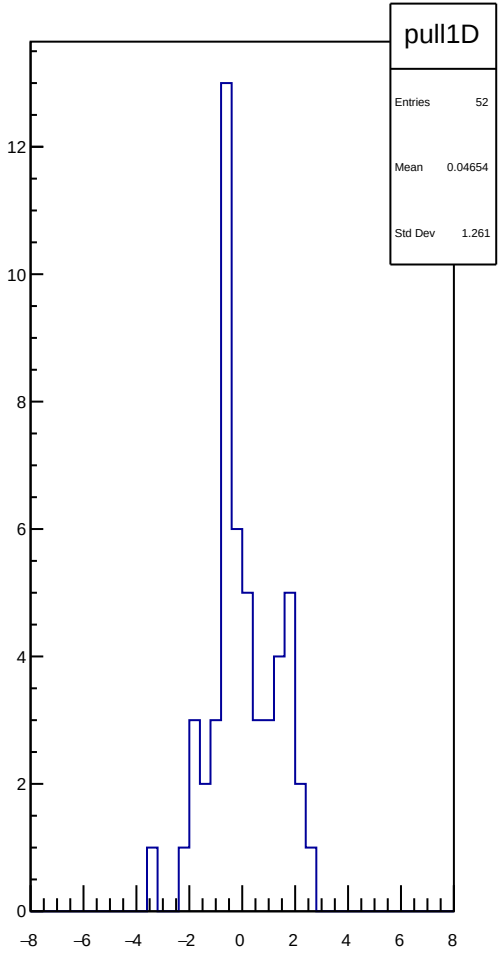

asym_usl_atl1_avg_eigen_dit_vs_dit_diff_rms vs run
×10⁻³
χ² / ndf 3154 / 51
p0 0.0006376 ± 6.303e−07
0.75
0.7
0.65
0.6
0.55
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

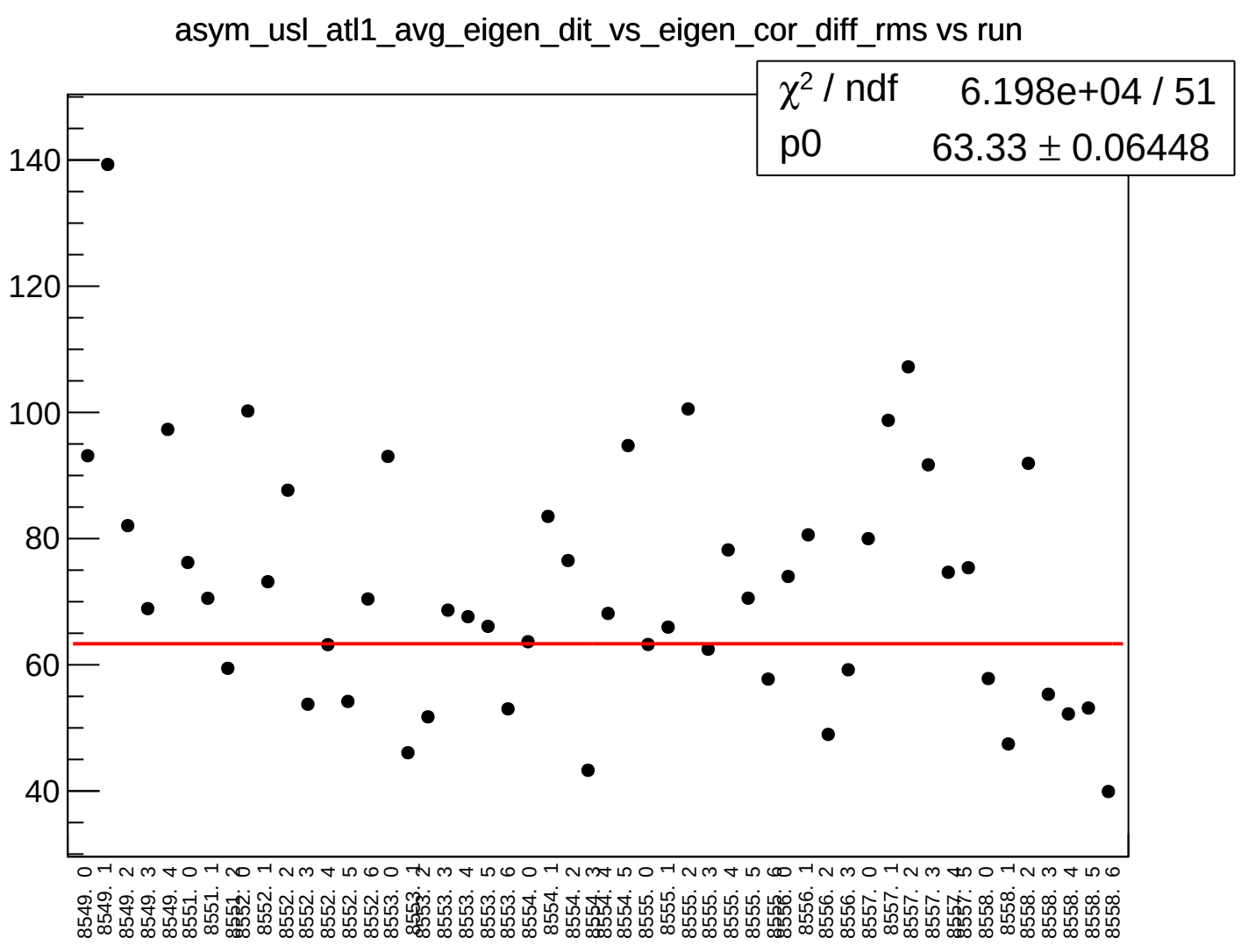

asym_usl_atl1_avg_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 82.81 / 51
p0 0.1455 ± 0.09119
pull
Entries 52
Mean 75.04
Std Dev 0

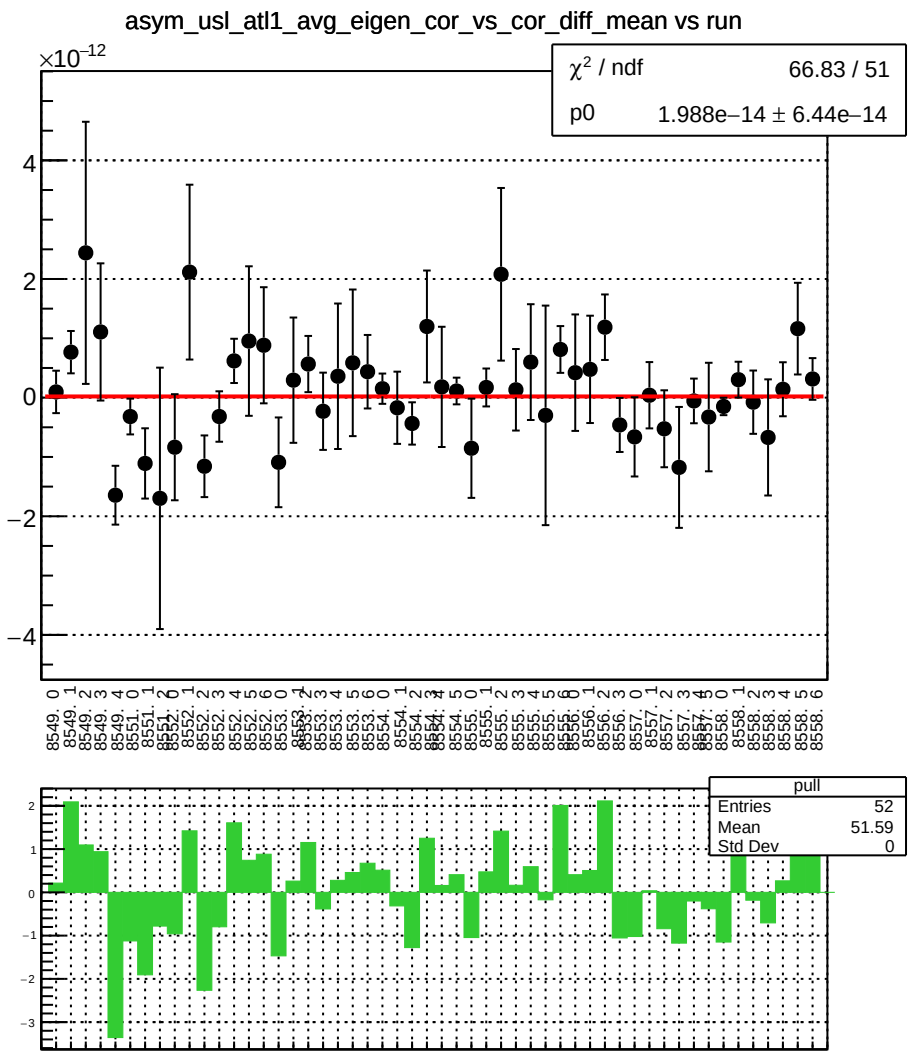

pull1D
Entries 52
Mean 0.04654
Std Dev 1.261

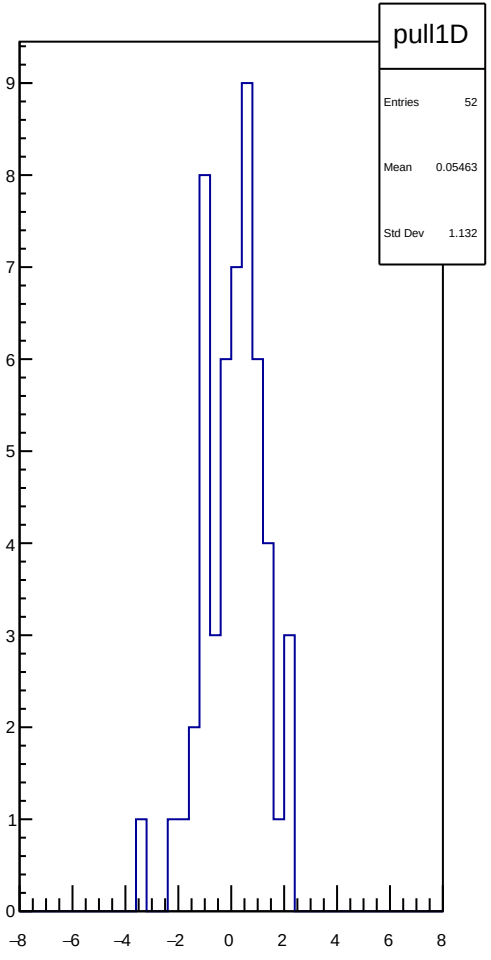

asym_usl_atl1_avg_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 6.198e+04 / 51
p0 63.33 ± 0.06448
140
120
100
80
60
40
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 5
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

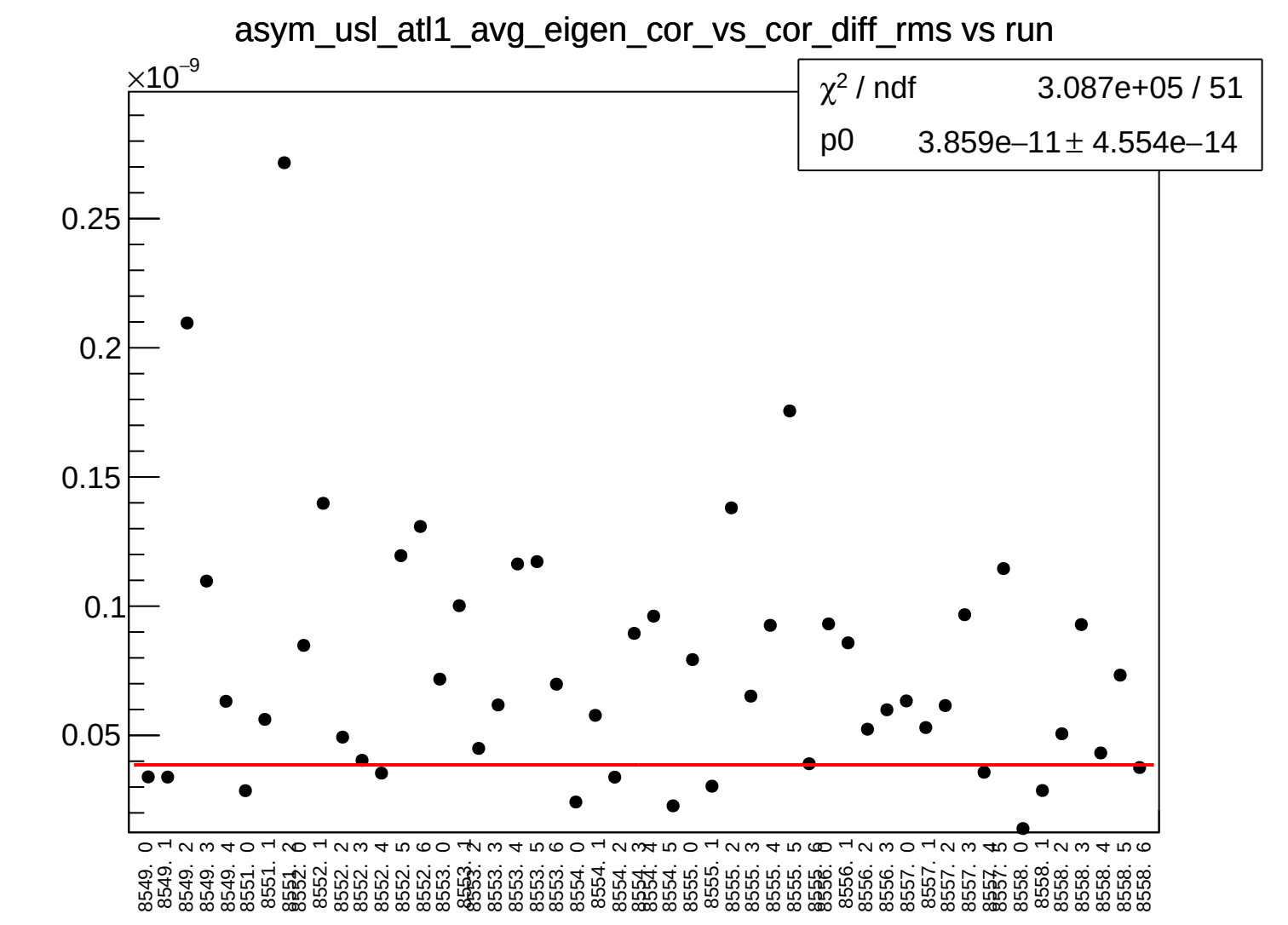

asym_usl_atl1_avg_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 82.81 / 51
p0 0.1455 ± 0.09119
pull
Entries 52
Mean 75.04
Std Dev 0

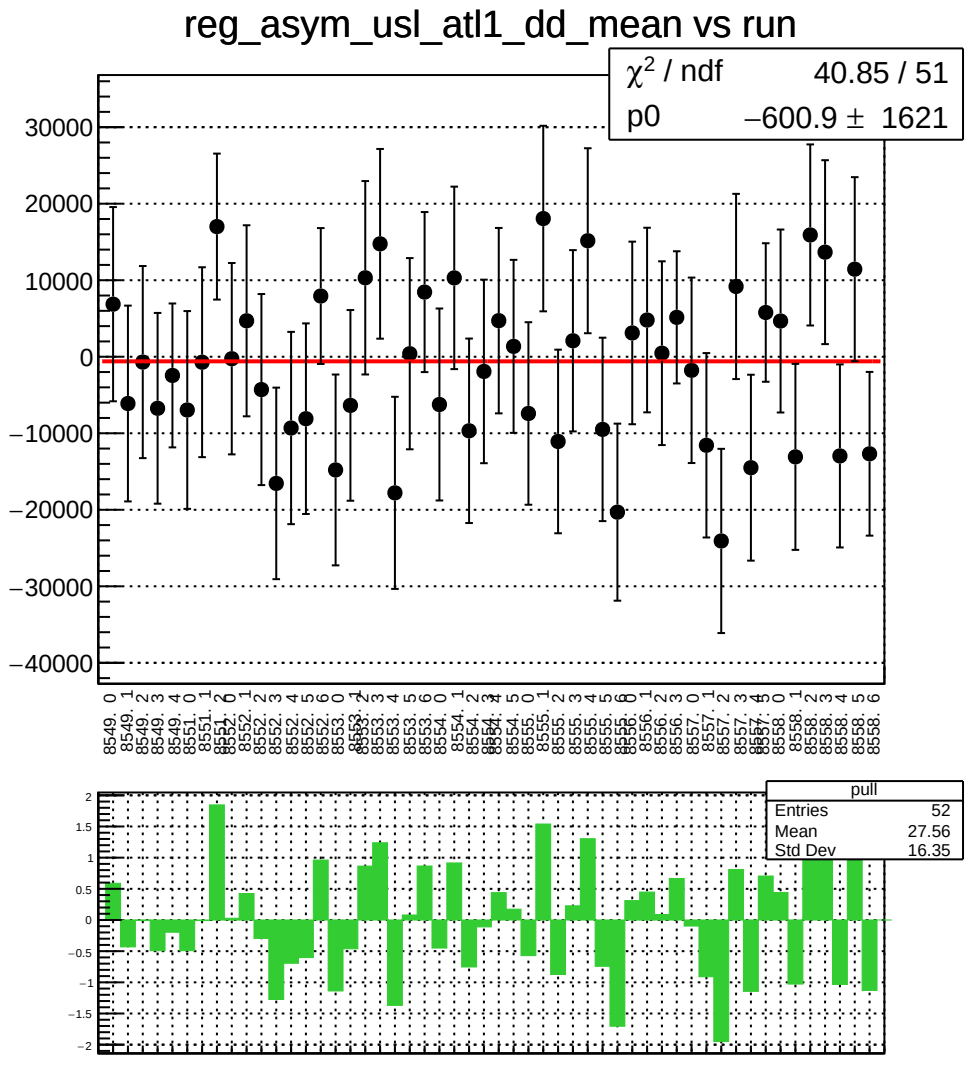

pull1D
Entries 52
Mean 0.04654
Std Dev 1.261

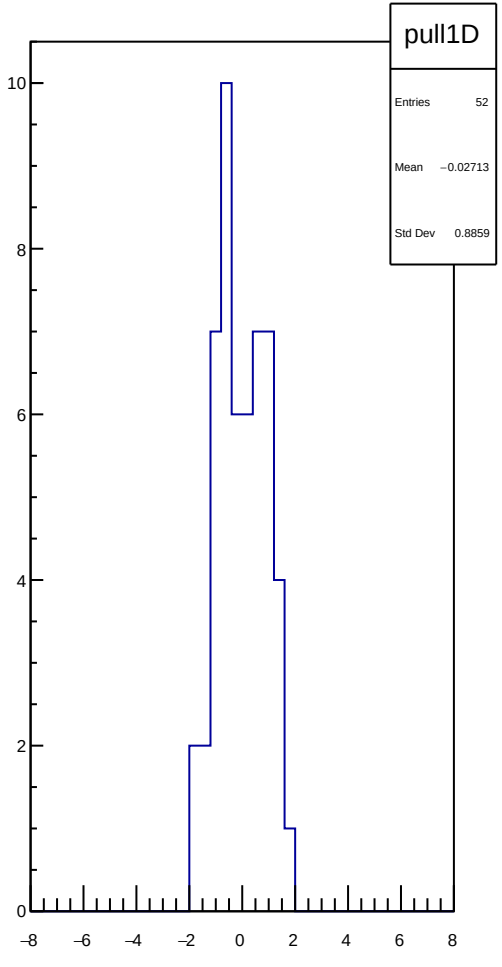

asym_usl_atl1_avg_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 6.198e+04 / 51
p0 63.33 ± 0.06448
140
120
100
80
60
40
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 5
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

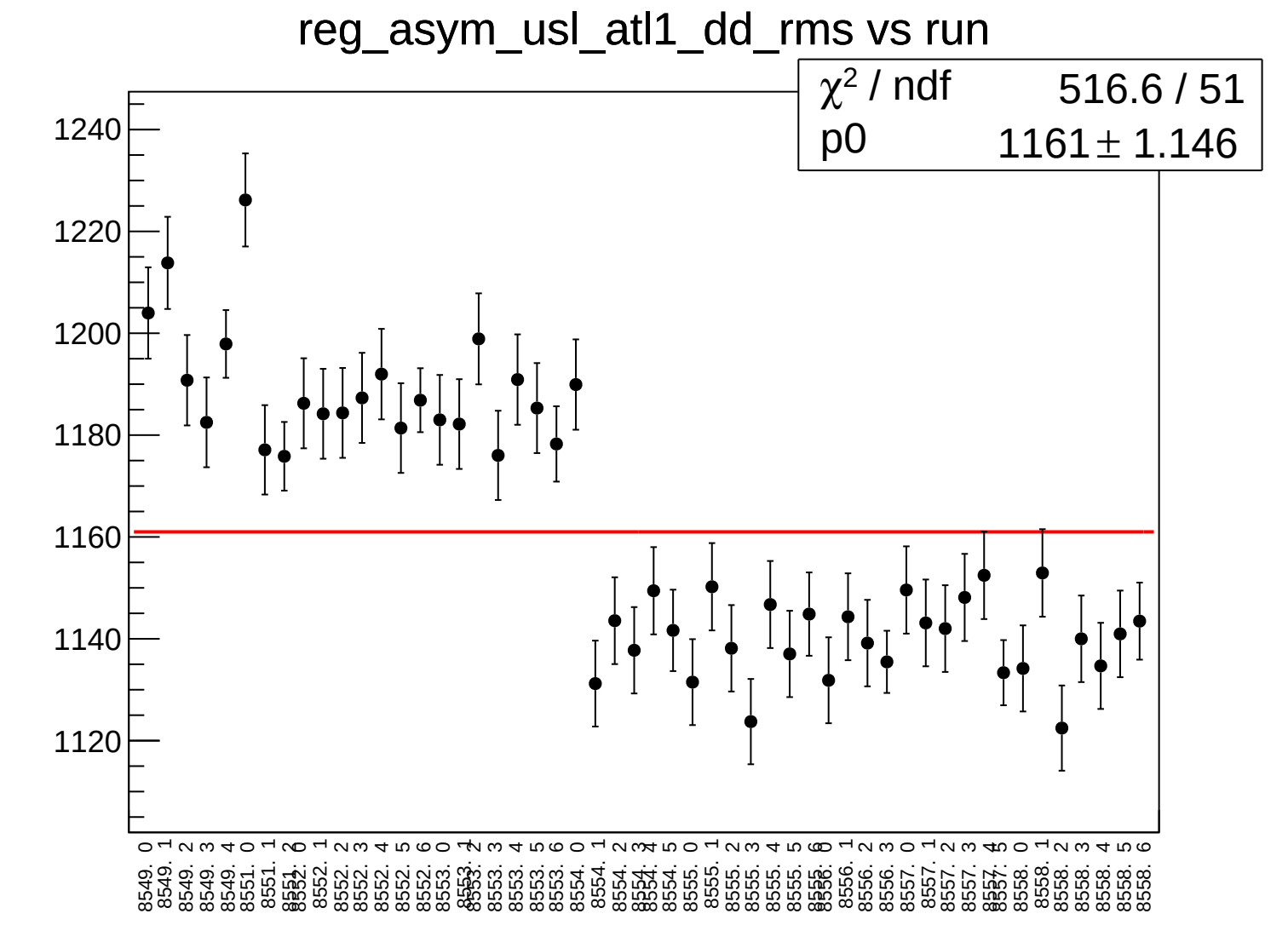

asym_usl_atl1_avg_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 66.83 / 51
p0 1.988e−14 ± 6.44e−14
pull
Entries 52
Mean 51.59
Std Dev 0

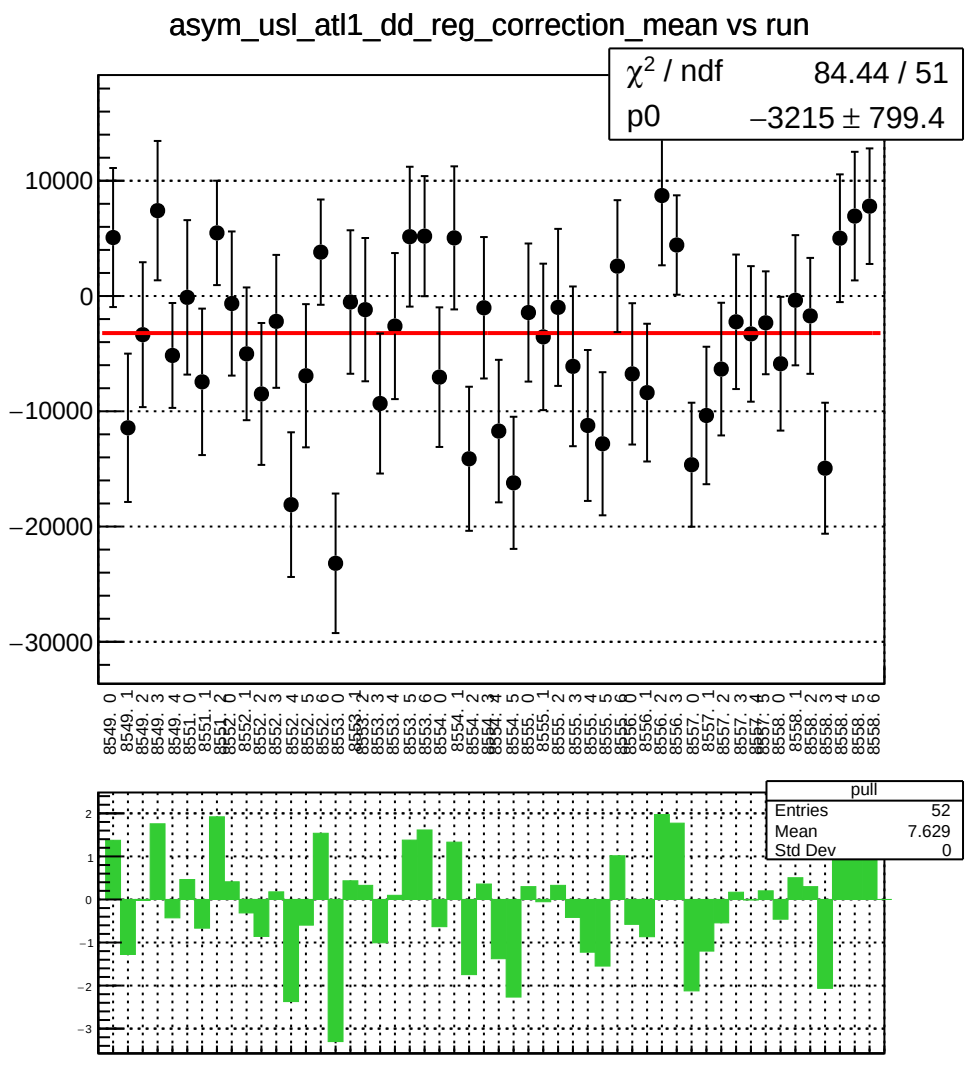

pull1D
Entries 52
Mean 0.05463
Std Dev 1.132

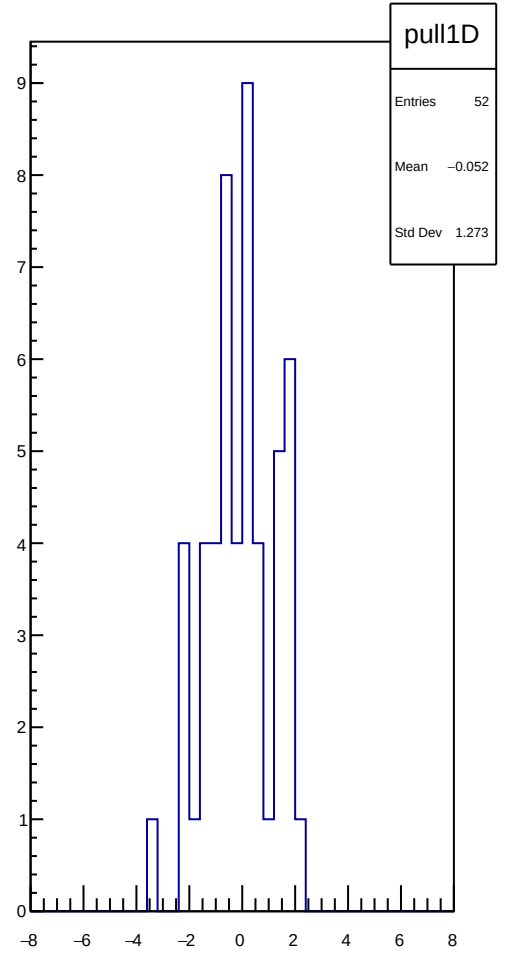

asym_usl_atl1_avg_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 3.087e+05 / 51
p0 3.859e−11 ± 4.554e−14
0.25
0.2
0.15
0.1
0.05
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 0
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 1
8553. 2
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 3
8554. 4
8554. 5
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 0
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8557. 4
8557. 5
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

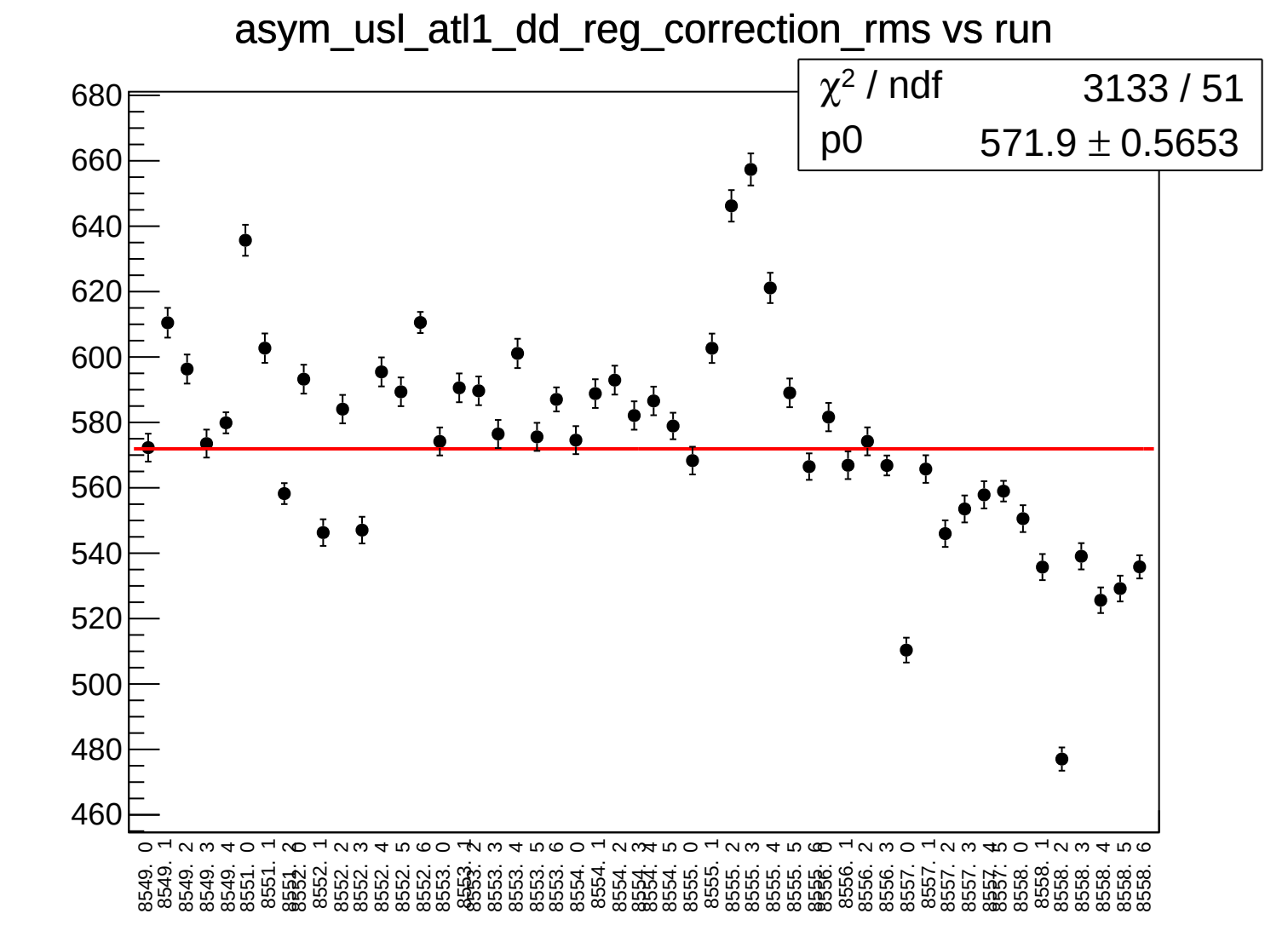

reg_asym_usl_atl1_dd_mean vs run
χ² / ndf 40.85 / 51
p0 −600.9 ± 1621
30000
20000
10000
0
−10000
−20000
−30000
−40000
pull
Entries 52
Mean 27.56
Std Dev 16.35
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

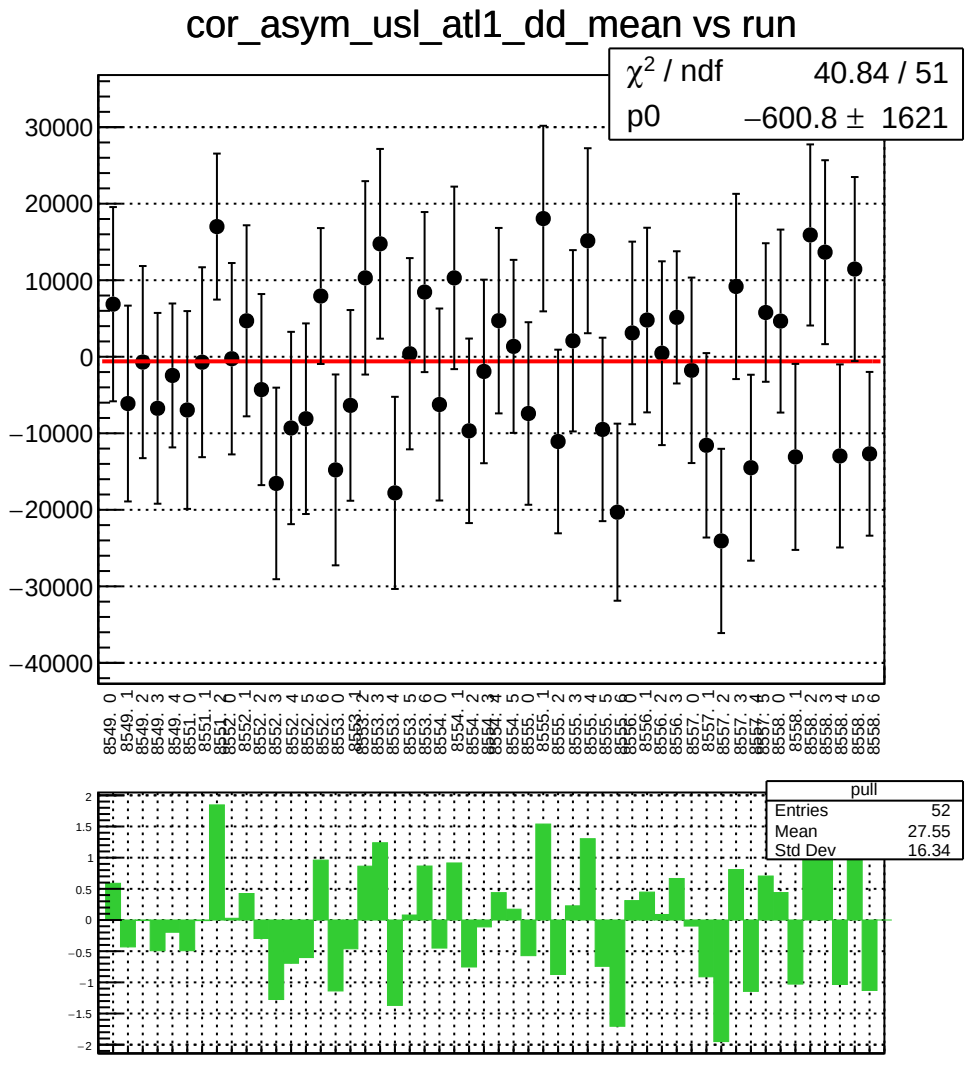

pull1D
Entries 52
Mean −0.02713
Std Dev 0.8859
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

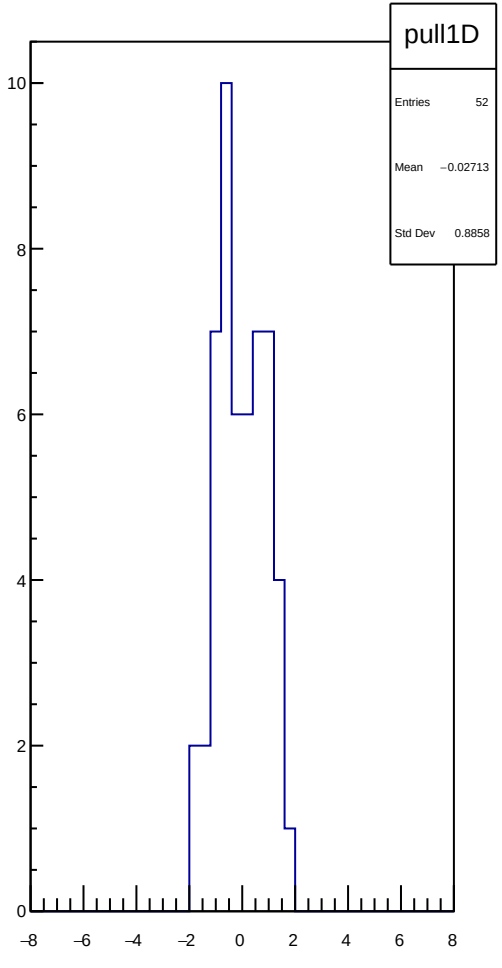

reg_asym_usl_atl1_dd_rms vs run
χ² / ndf 516.6 / 51
p0 1161 ± 1.146
1240
1220
1200
1180
1160
1140
1120
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

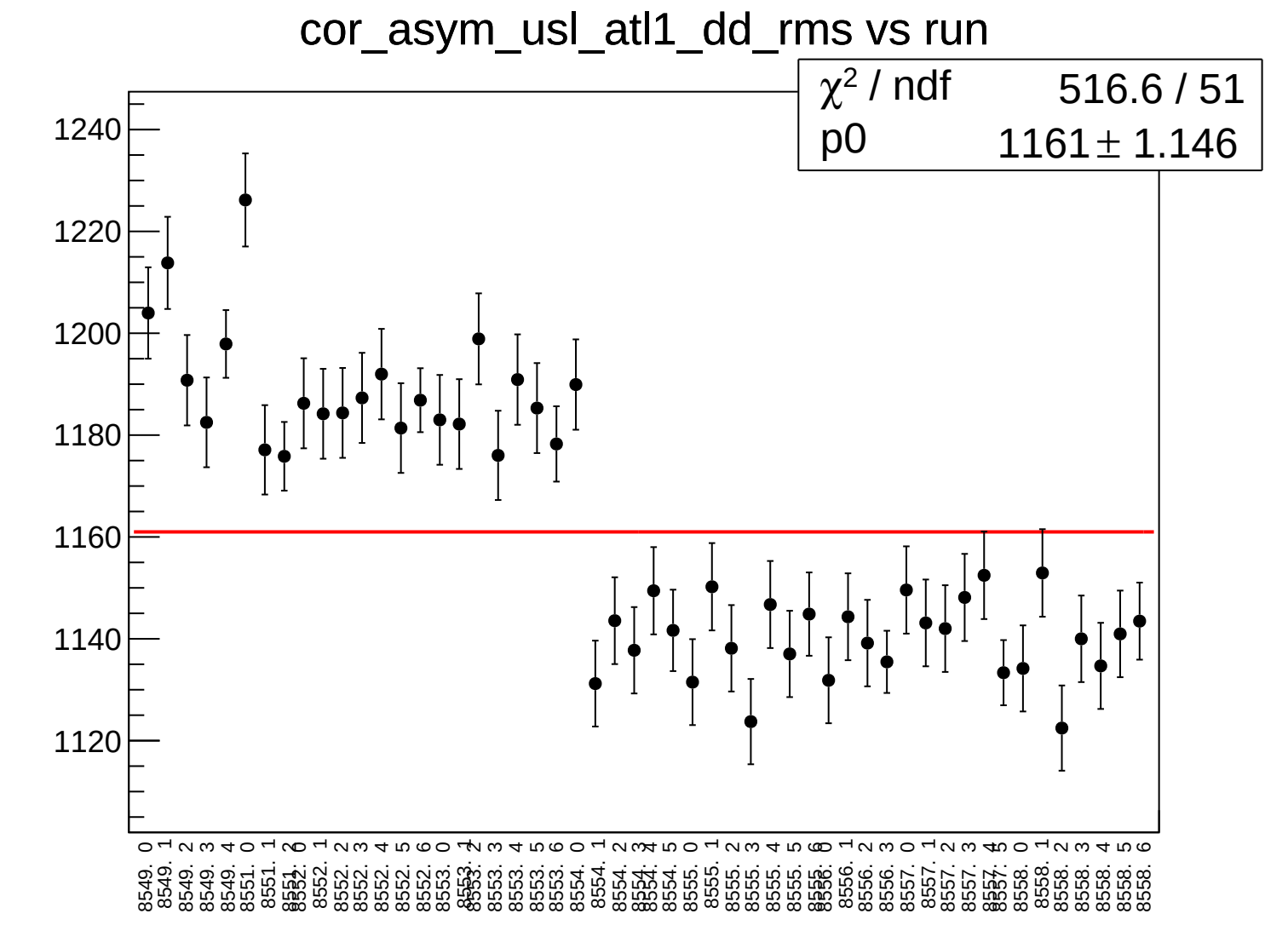

asym_usl_atl1_dd_reg_correction_mean vs run
χ² / ndf 84.44 / 51
p0 −3215 ± 799.4
10000
0
−10000
−20000
−30000
pull
Entries 52
Mean 7.629
Std Dev 0
2
1
0
−1
−2
−3

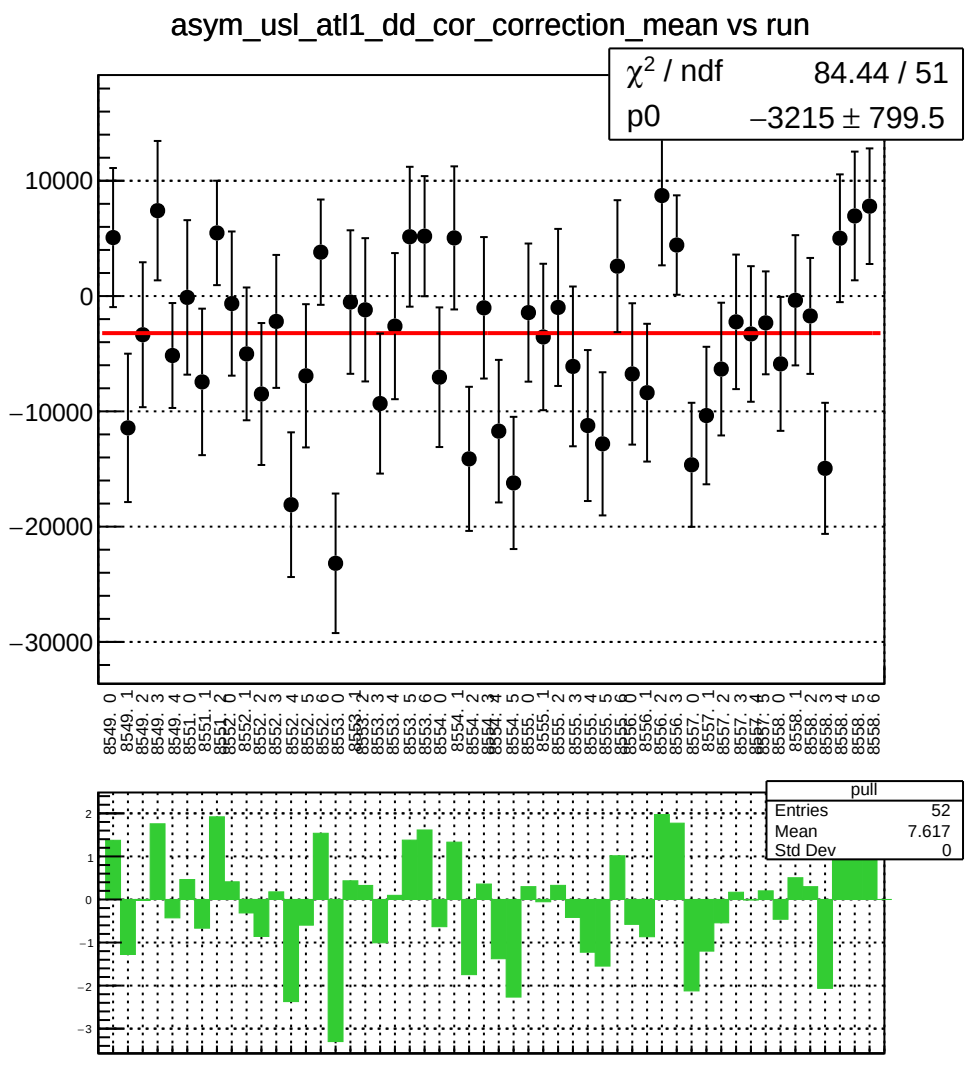

pull1D
Entries 52
Mean −0.052
Std Dev 1.273
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

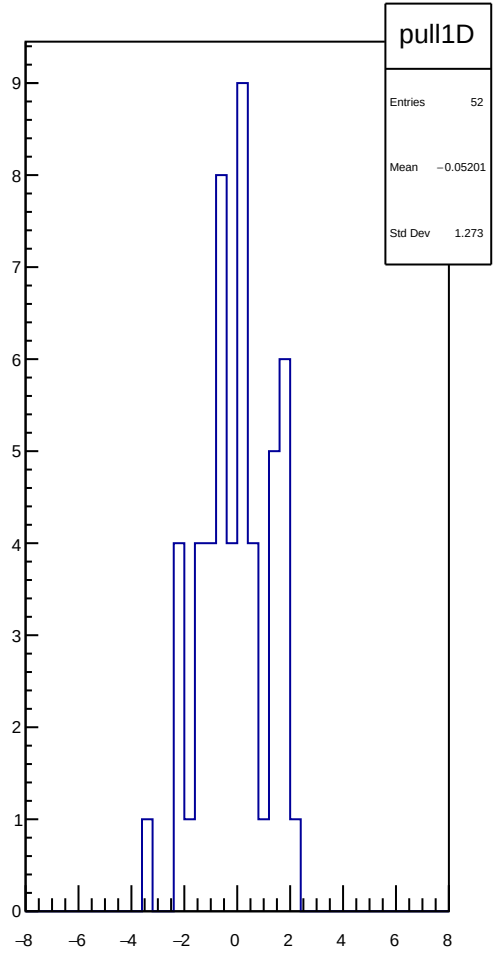

asym_usl_atl1_dd_reg_correction_rms vs run
χ² / ndf 3133 / 51
p0 571.9 ± 0.5653
680
660
640
620
600
580
560
540
520
500
480
460
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

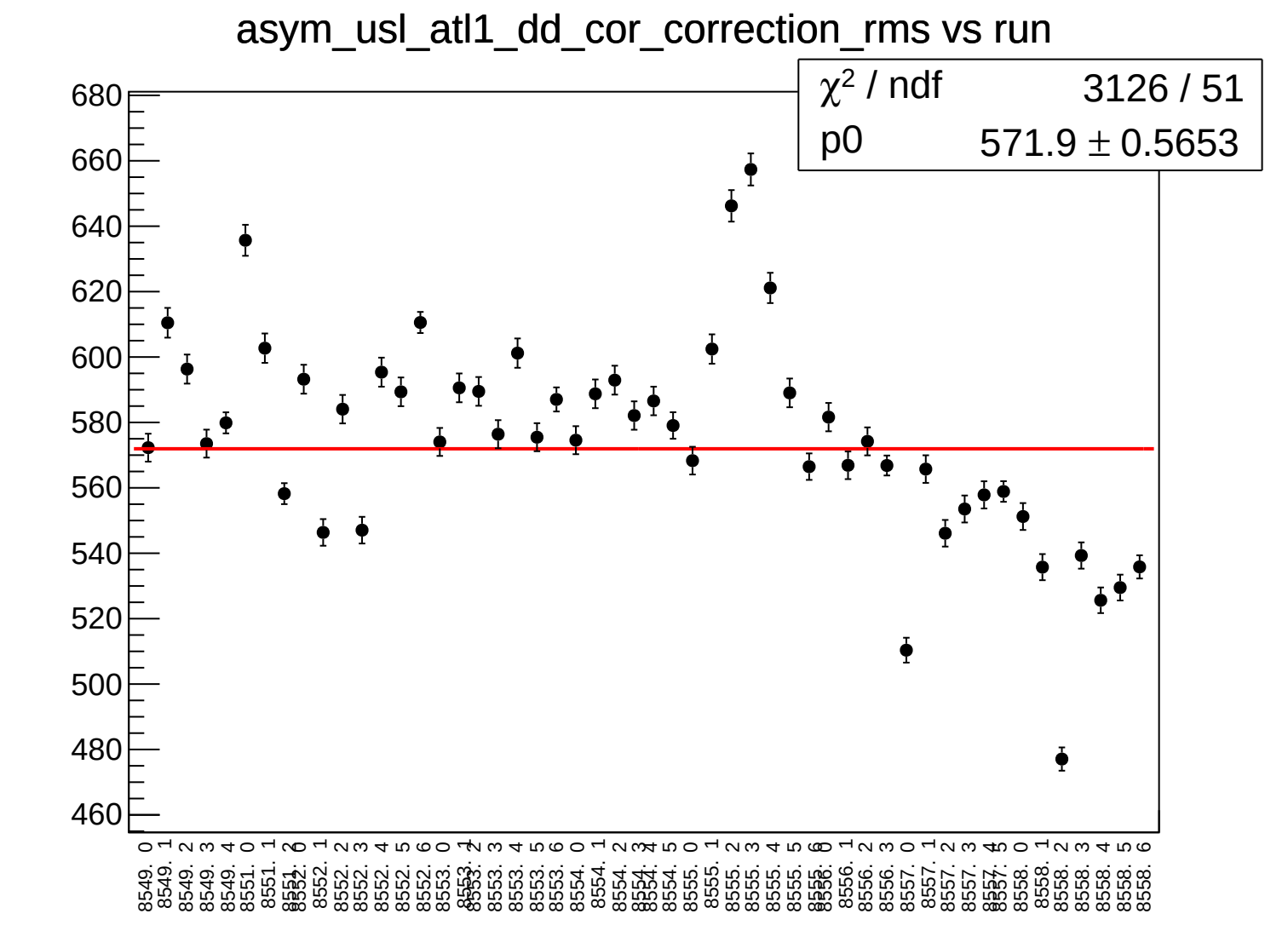

cor_asym_usl_atl1_dd_mean vs run
χ² / ndf 40.84 / 51
p0 −600.8 ± 1621
pull
Entries 52
Mean 27.55
Std Dev 16.34

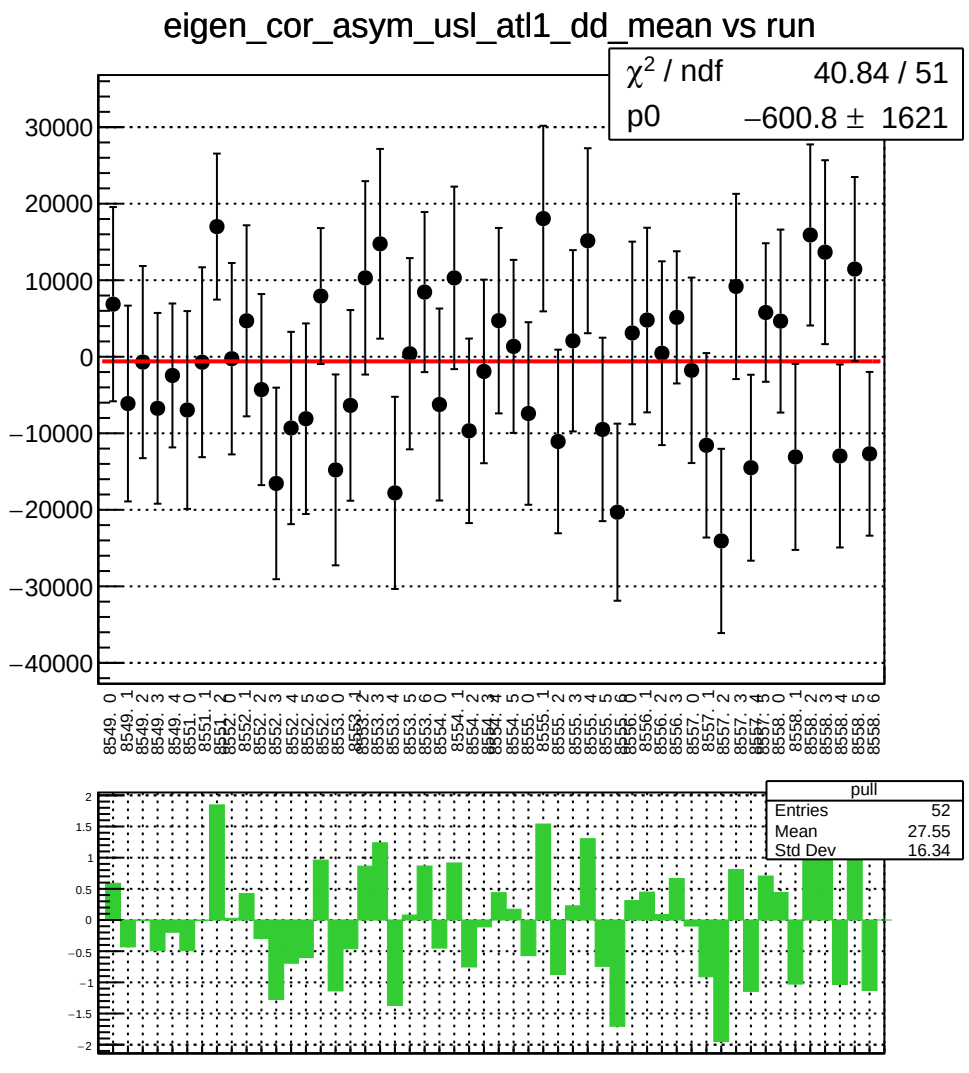

pull1D
Entries 52
Mean −0.02713
Std Dev 0.8858

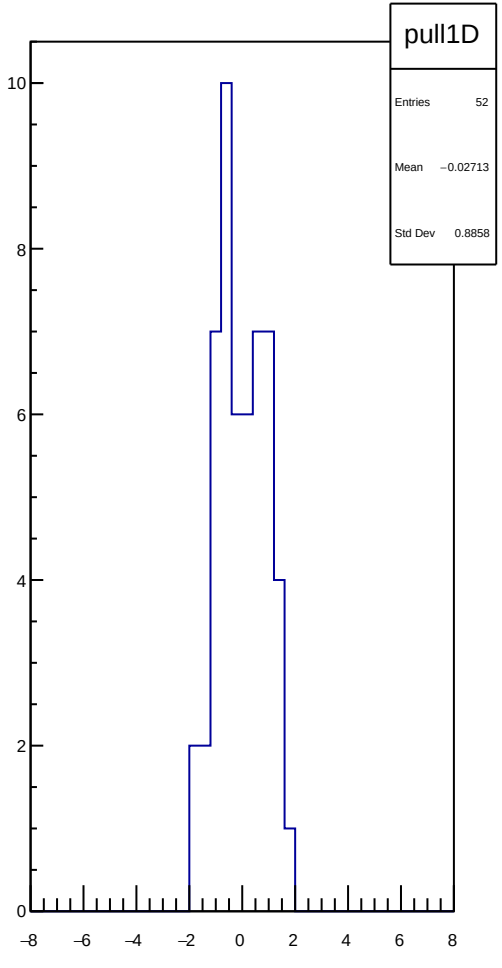

cor_asym_usl_atl1_dd_rms vs run
χ² / ndf 516.6 / 51
p0 1161 ± 1.146
1240
1220
1200
1180
1160
1140
1120
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

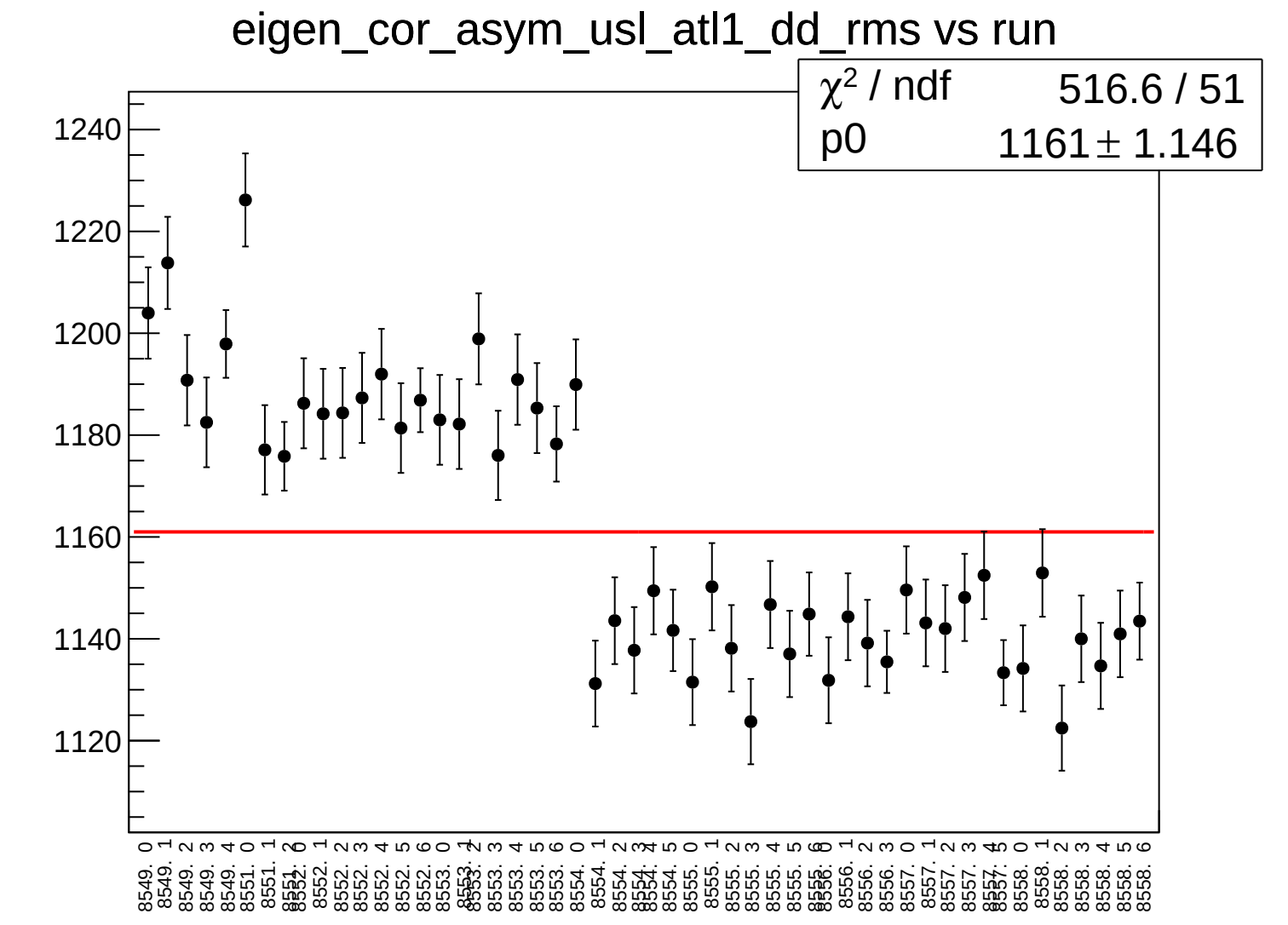

asym_usl_atl1_dd_cor_correction_mean vs run
χ² / ndf 84.44 / 51
p0 −3215 ± 799.5
10000
0
−10000
−20000
−30000
pull
Entries 52
Mean 7.617
Std Dev 0
2
1
0
−1
−2
−3

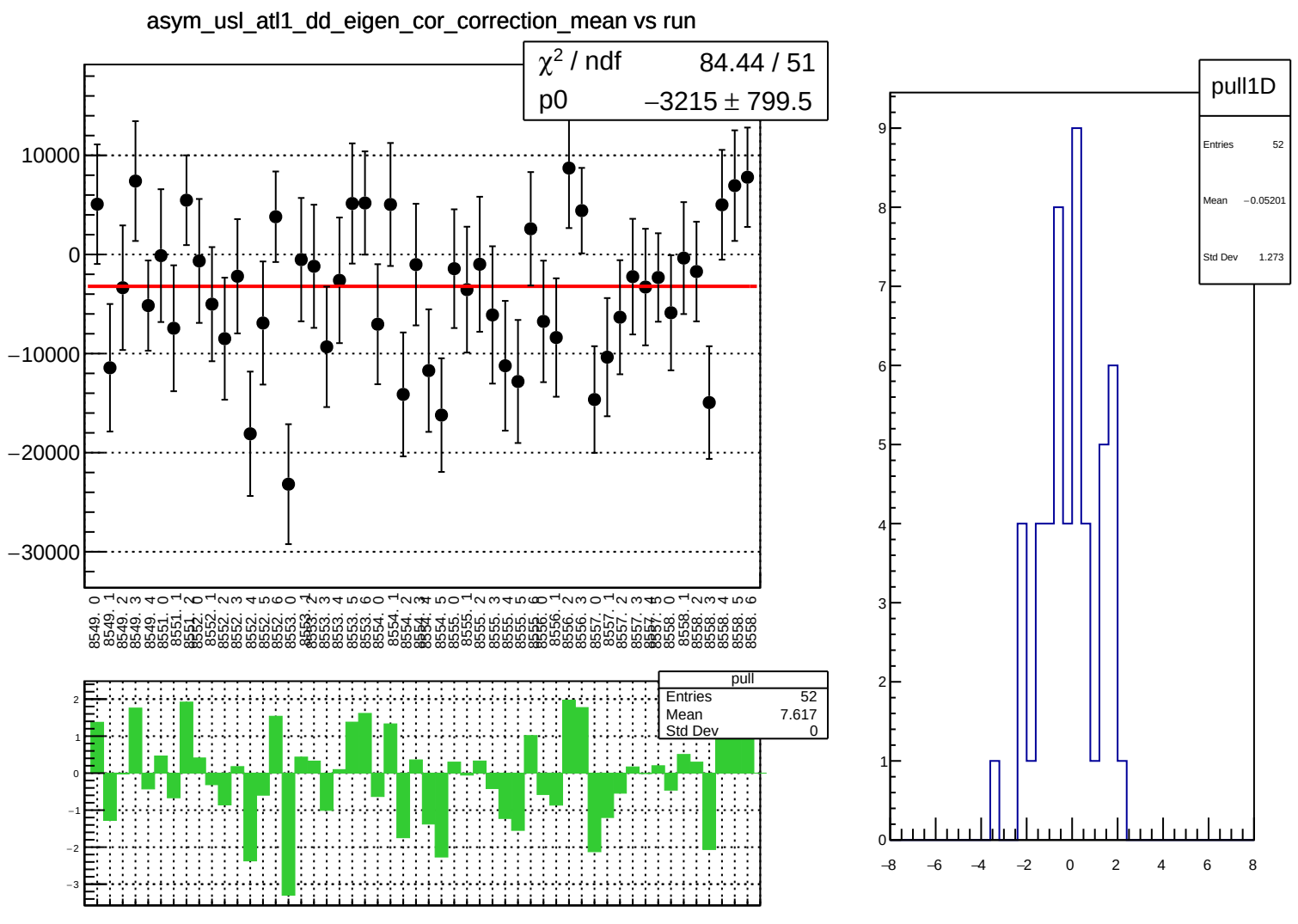

pull1D
Entries 52
Mean −0.05201
Std Dev 1.273
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

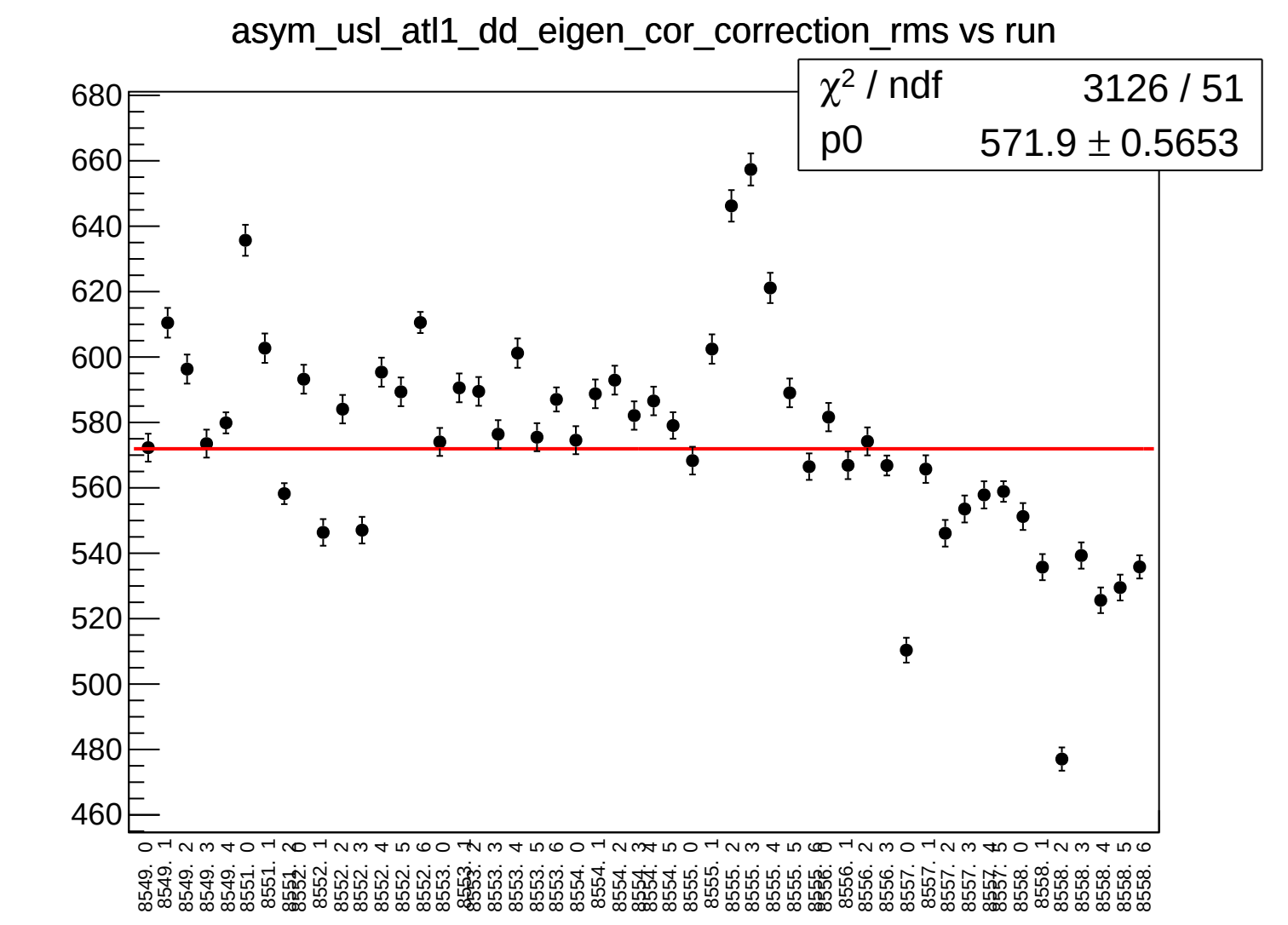

asym_usl_atl1_dd_cor_correction_rms vs run
χ² / ndf 3126 / 51
p0 571.9 ± 0.5653
680
660
640
620
600
580
560
540
520
500
480
460
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 5
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

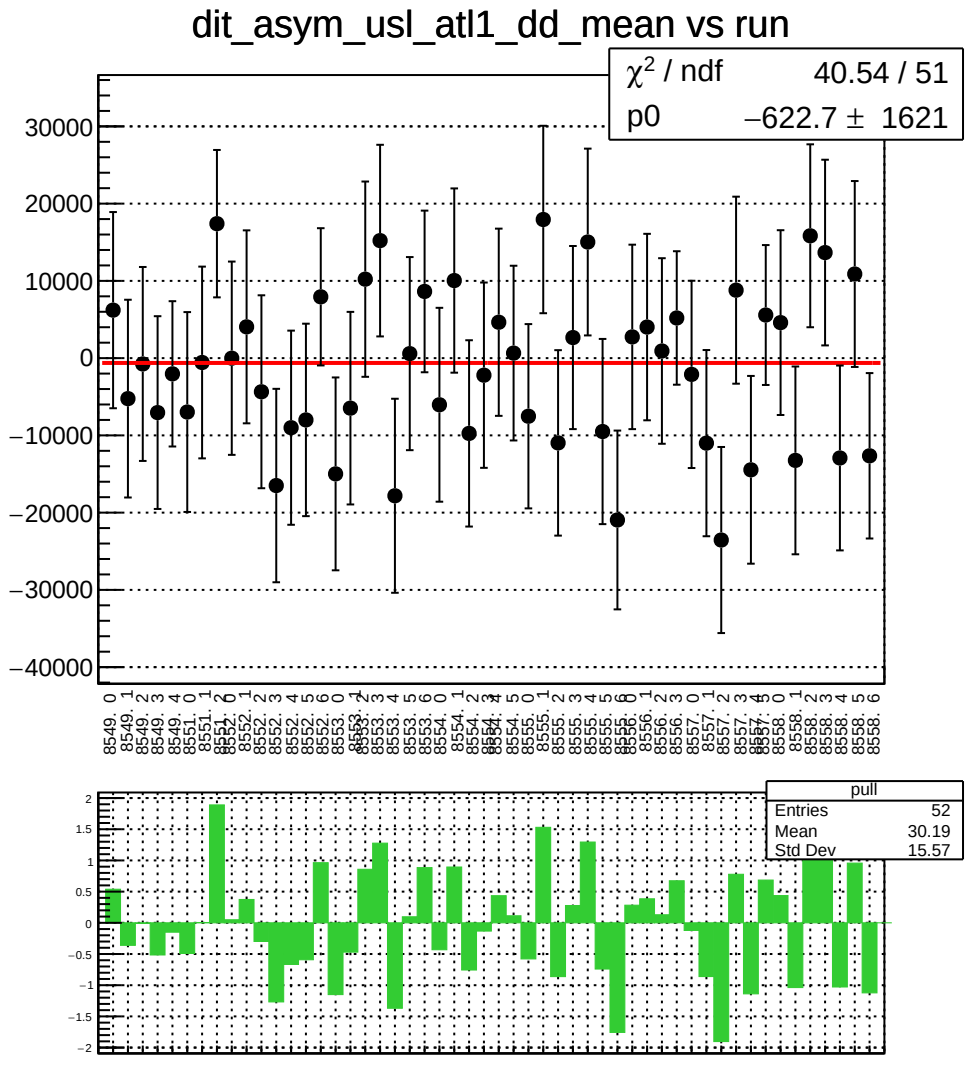

eigen_cor_asym_usl_atl1_dd_mean vs run
χ² / ndf 40.84 / 51
p0 −600.8 ± 1621
pull
Entries 52
Mean 27.55
Std Dev 16.34

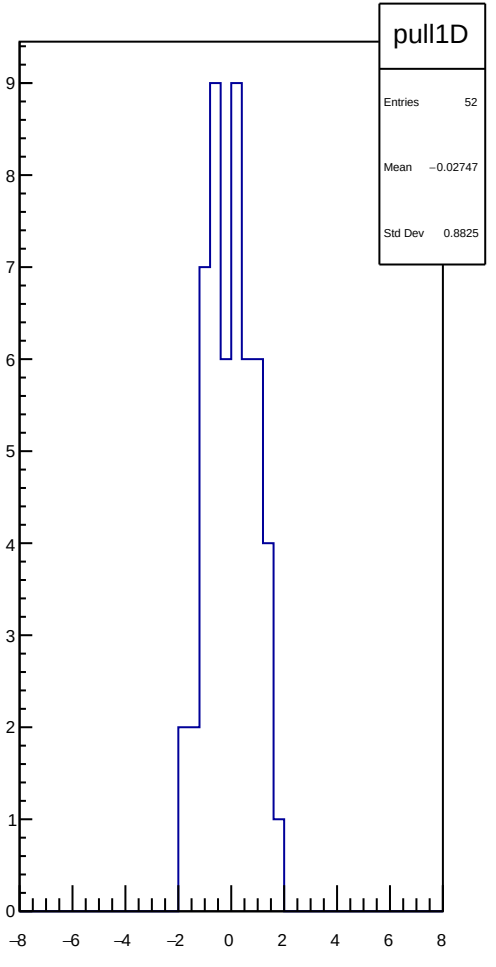

pull1D
Entries 52
Mean −0.02713
Std Dev 0.8858

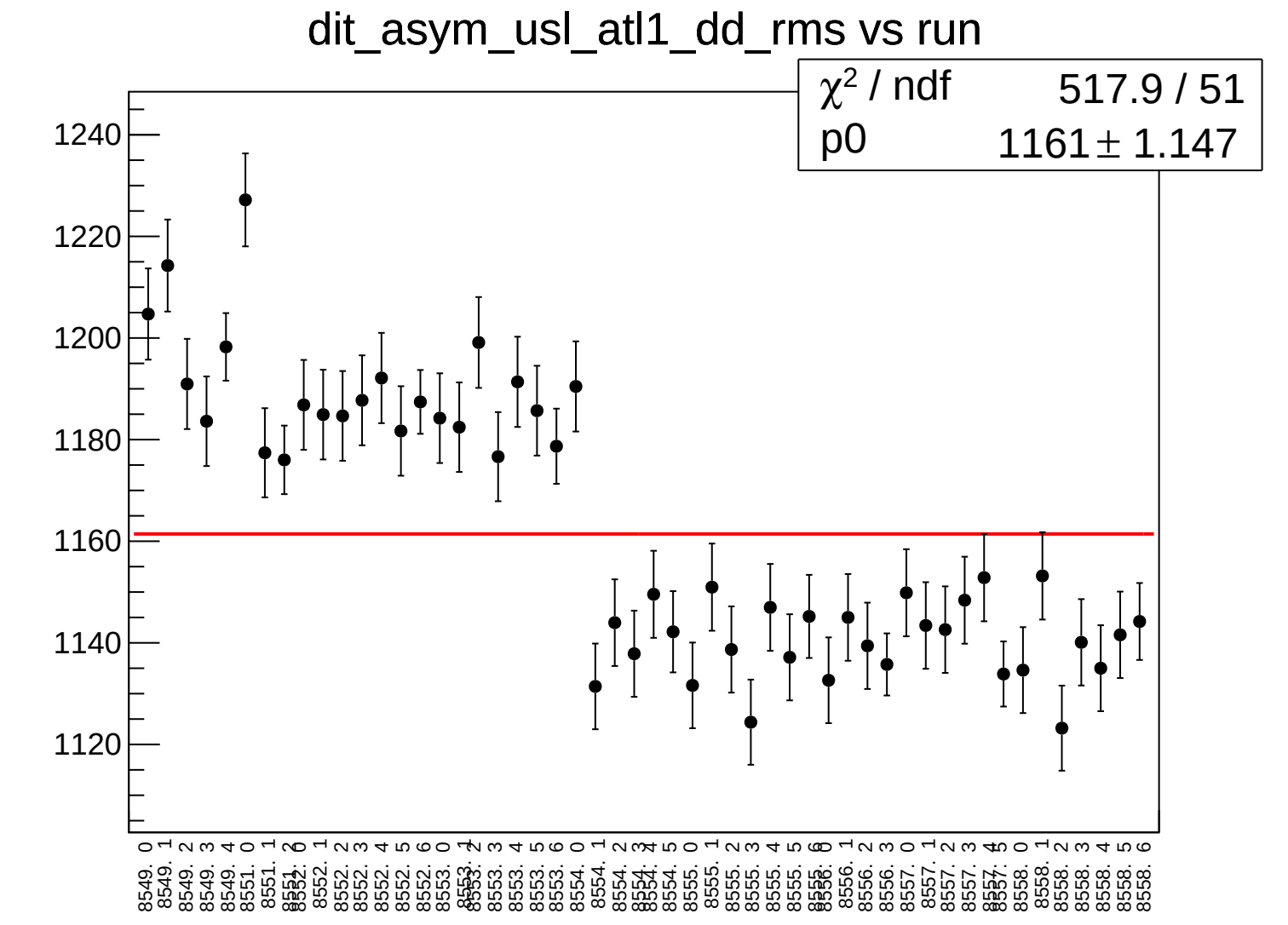

eigen_cor_asym_usl_atl1_dd_rms vs run
χ² / ndf 516.6 / 51
p0 1161 ± 1.146
1240
1220
1200
1180
1160
1140
1120
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 5
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

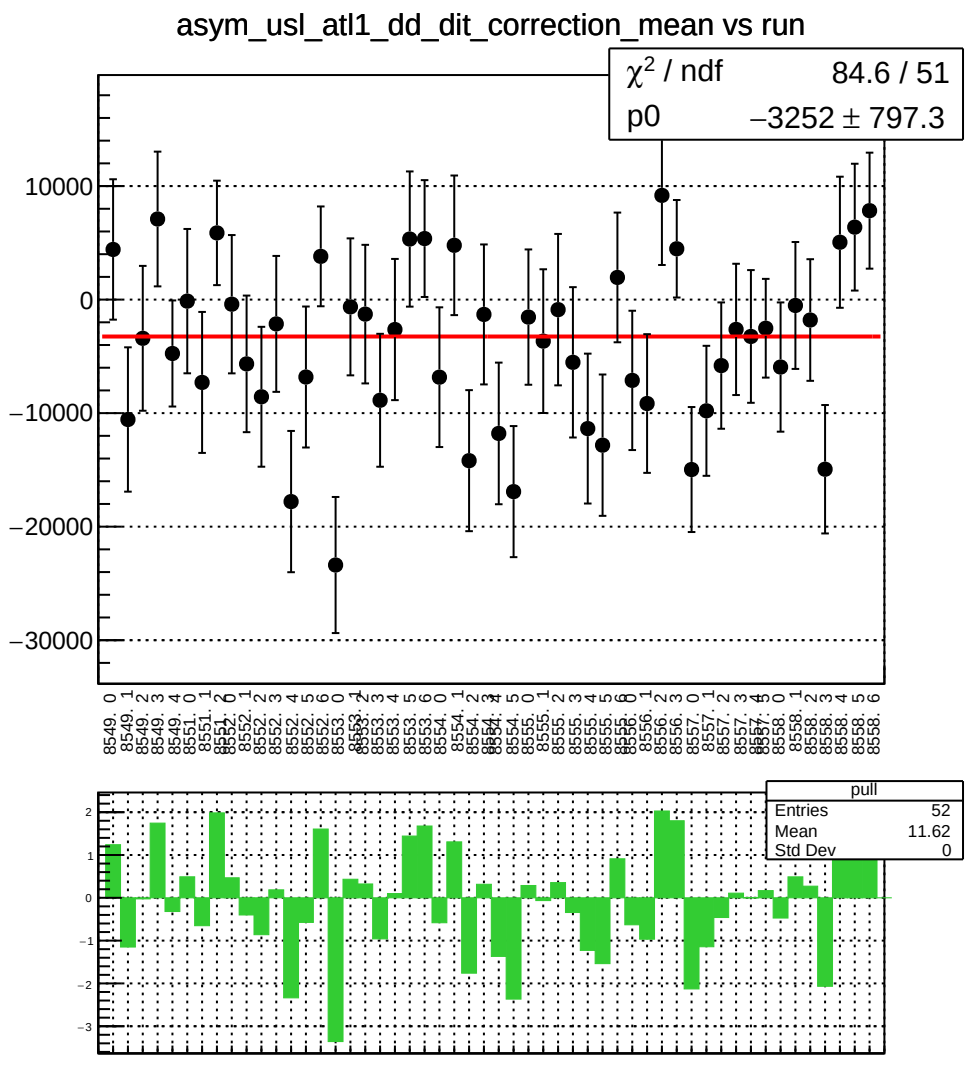

asym_usl_atl1_dd_eigen_cor_correction_mean vs run
χ² / ndf 84.44 / 51
p0 −3215 ± 799.5
10000
0
−10000
−20000
−30000
pull
Entries 52
Mean 7.617
Std Dev 0
pull1D
Entries 52
Mean −0.05201
Std Dev 1.273

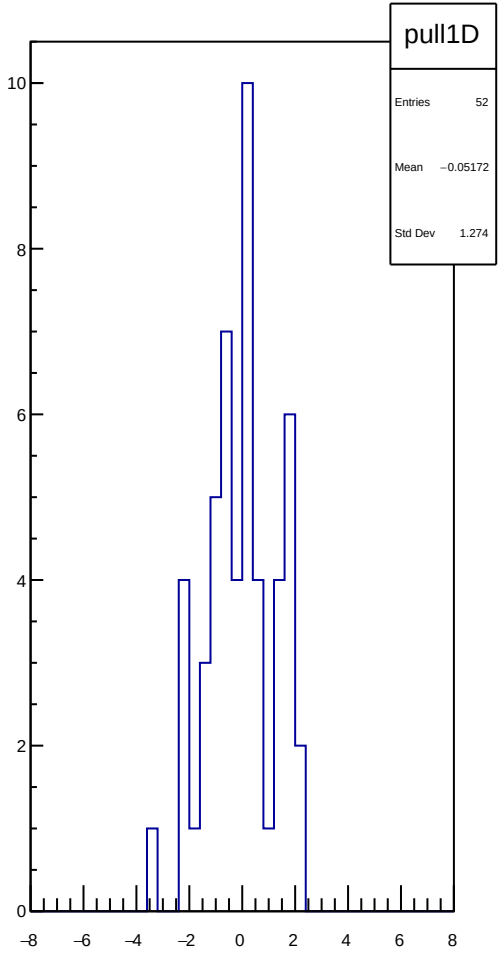

asym_usl_atl1_dd_eigen_cor_correction_rms vs run
χ² / ndf 3126 / 51
p0 571.9 ± 0.5653
680
660
640
620
600
580
560
540
520
500
480
460
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 5
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

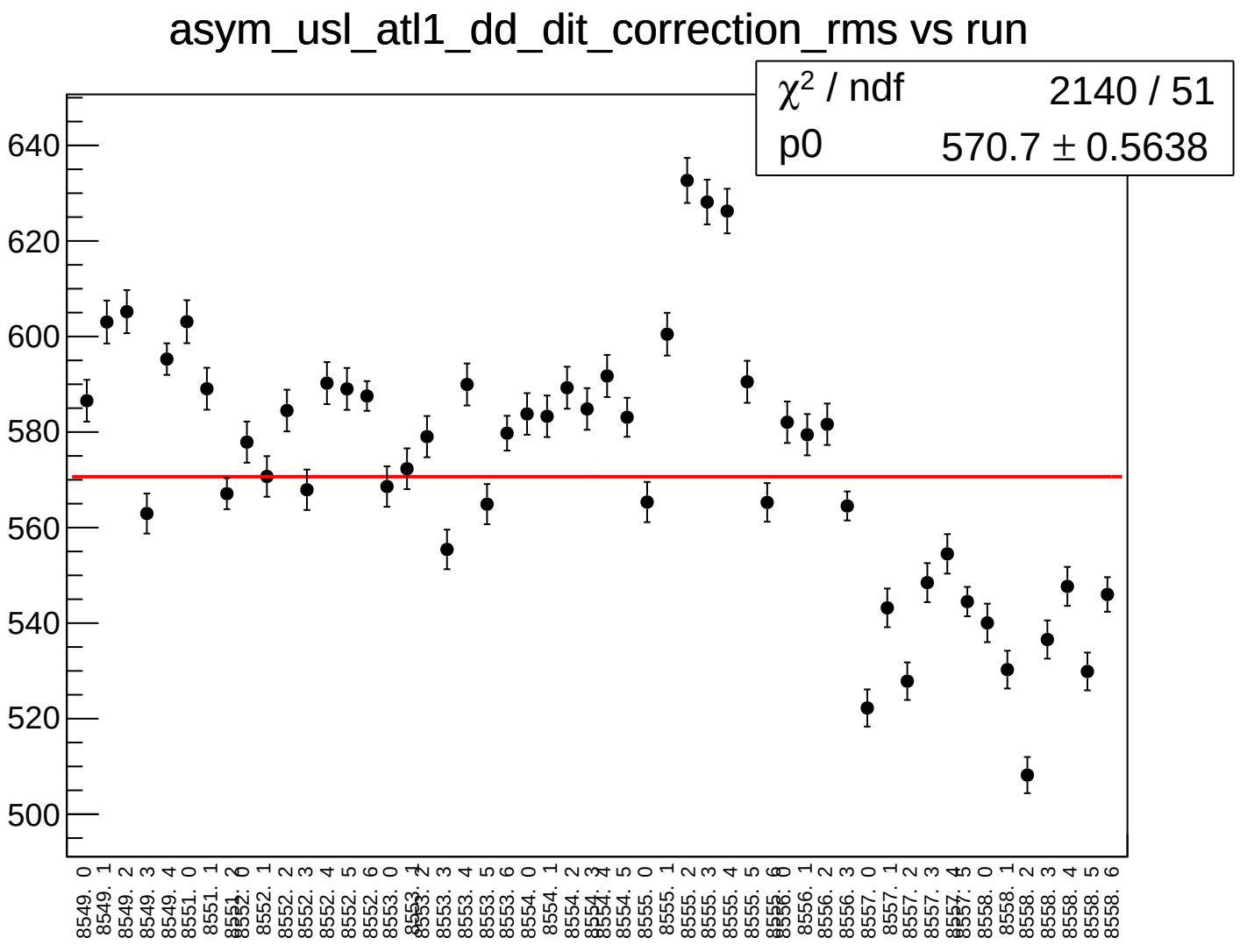

dit_asym_usl_atl1_dd_mean vs run
χ² / ndf 40.54 / 51
p0 −622.7 ± 1621
30000
20000
10000
0
−10000
−20000
−30000
−40000
pull
Entries 52
Mean 30.19
Std Dev 15.57
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

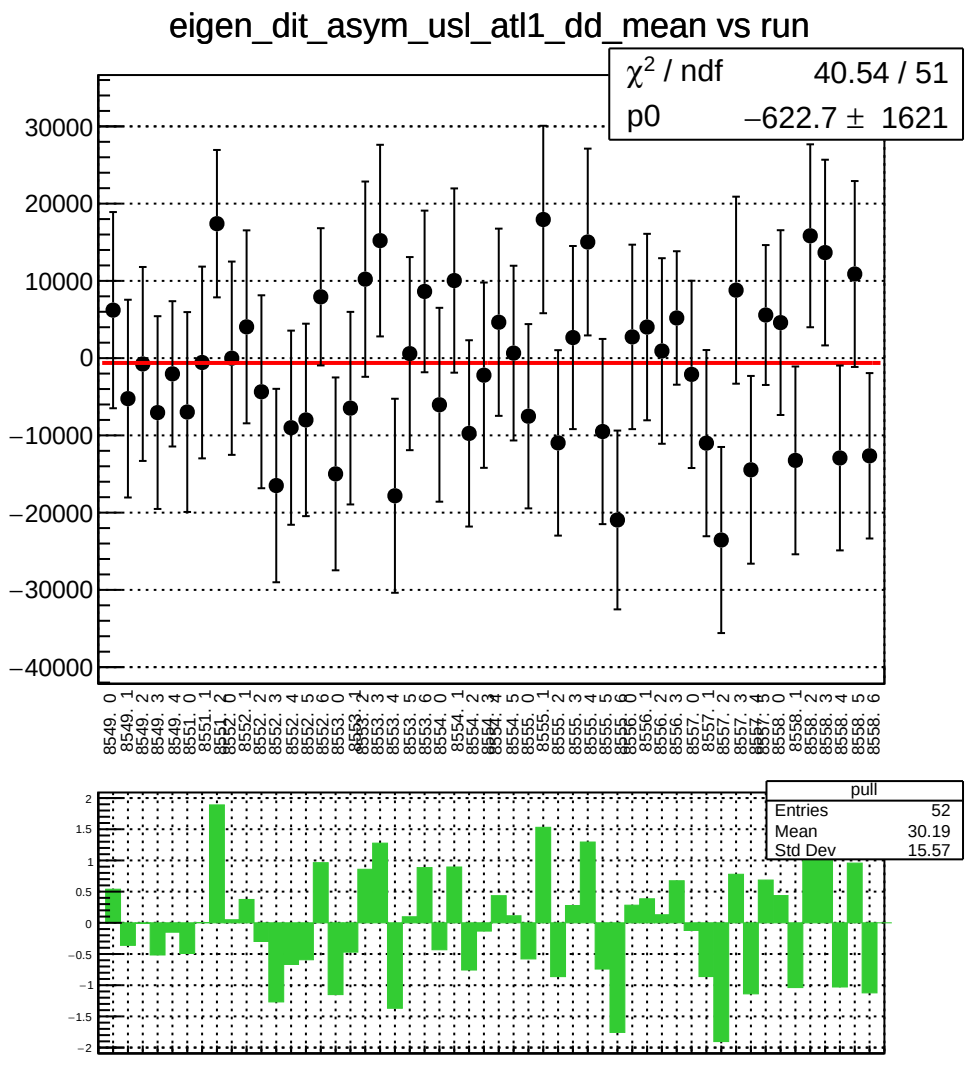

pull1D
Entries 52
Mean −0.02747
Std Dev 0.8825
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

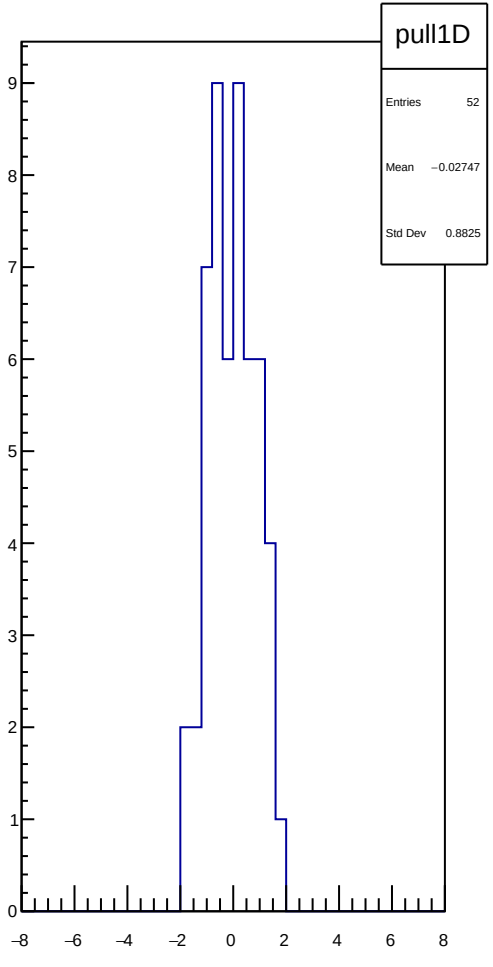

dit_asym_usl_atl1_dd_rms vs run
χ² / ndf 517.9 / 51
p0 1161 ± 1.147
1240
1220
1200
1180
1160
1140
1120
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

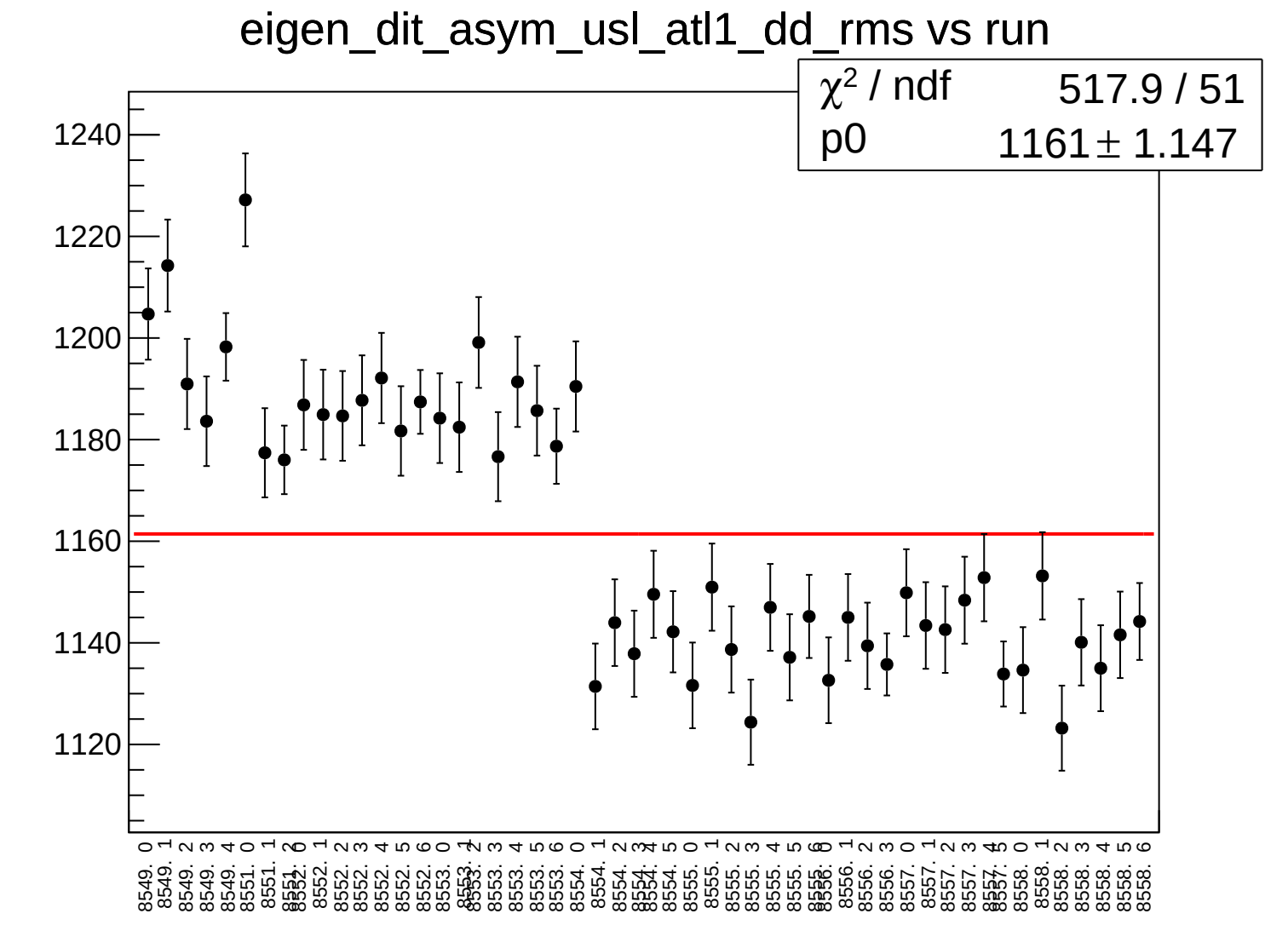

asym_usl_atl1_dd_dit_correction_mean vs run
χ² / ndf 84.6 / 51
p0 −3252 ± 797.3
10000
0
−10000
−20000
−30000
pull
Entries 52
Mean 11.62
Std Dev 0
2
1
0
−1
−2
−3

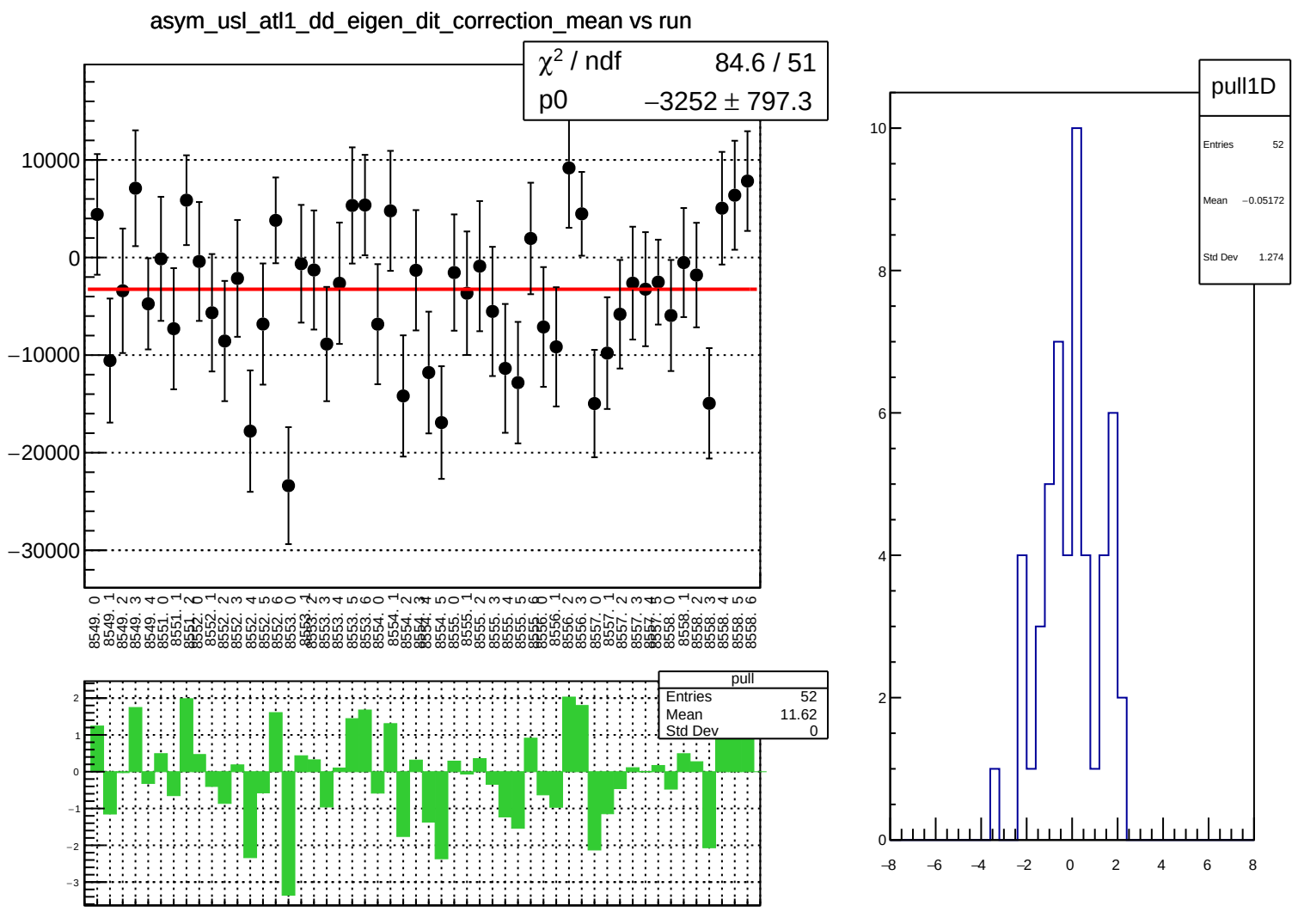

pull1D
Entries 52
Mean −0.05172
Std Dev 1.274
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

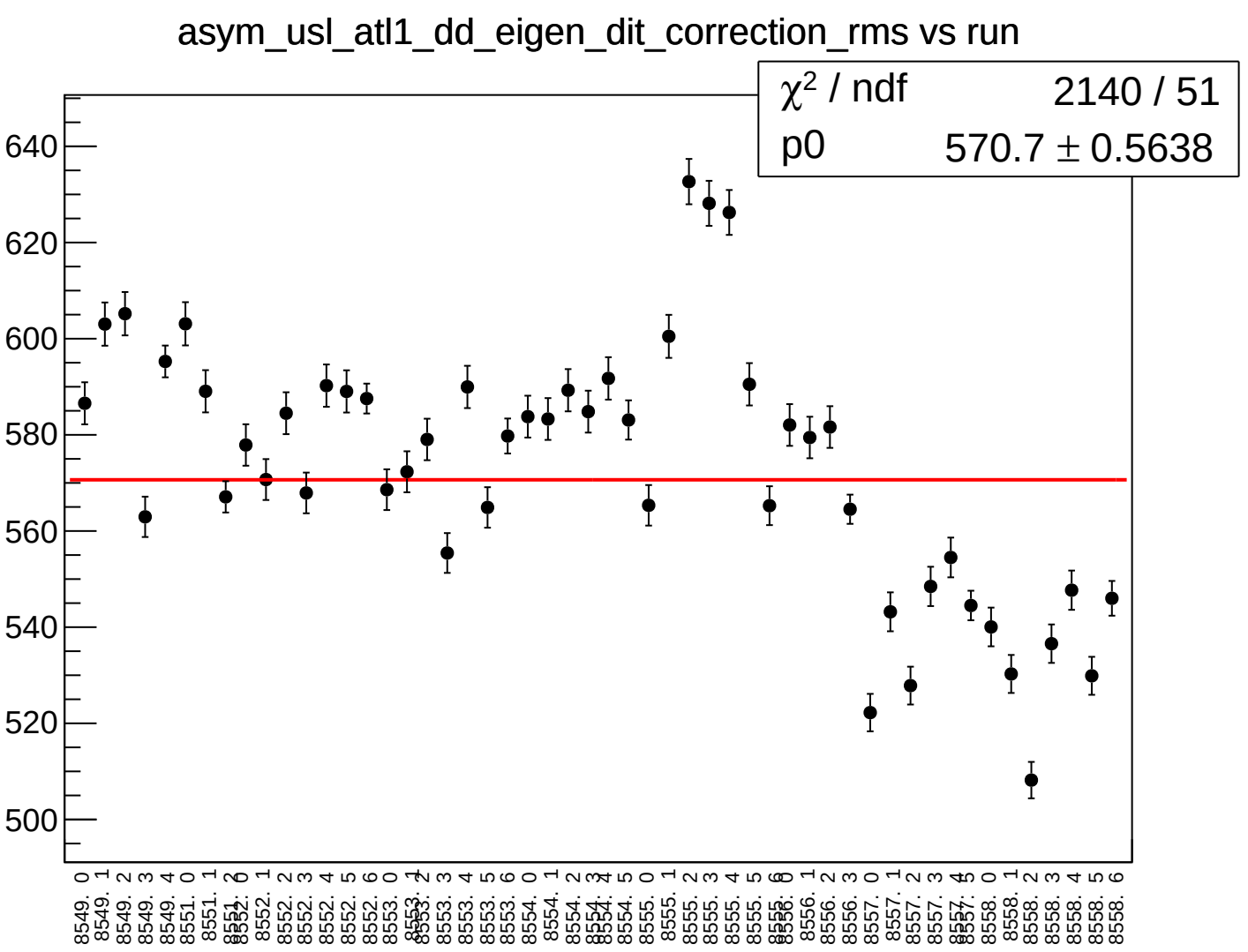

asym_usl_atl1_dd_dit_correction_rms vs run
χ² / ndf 2140 / 51
p0 570.7 ± 0.5638
640
620
600
580
560
540
520
500
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 5
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

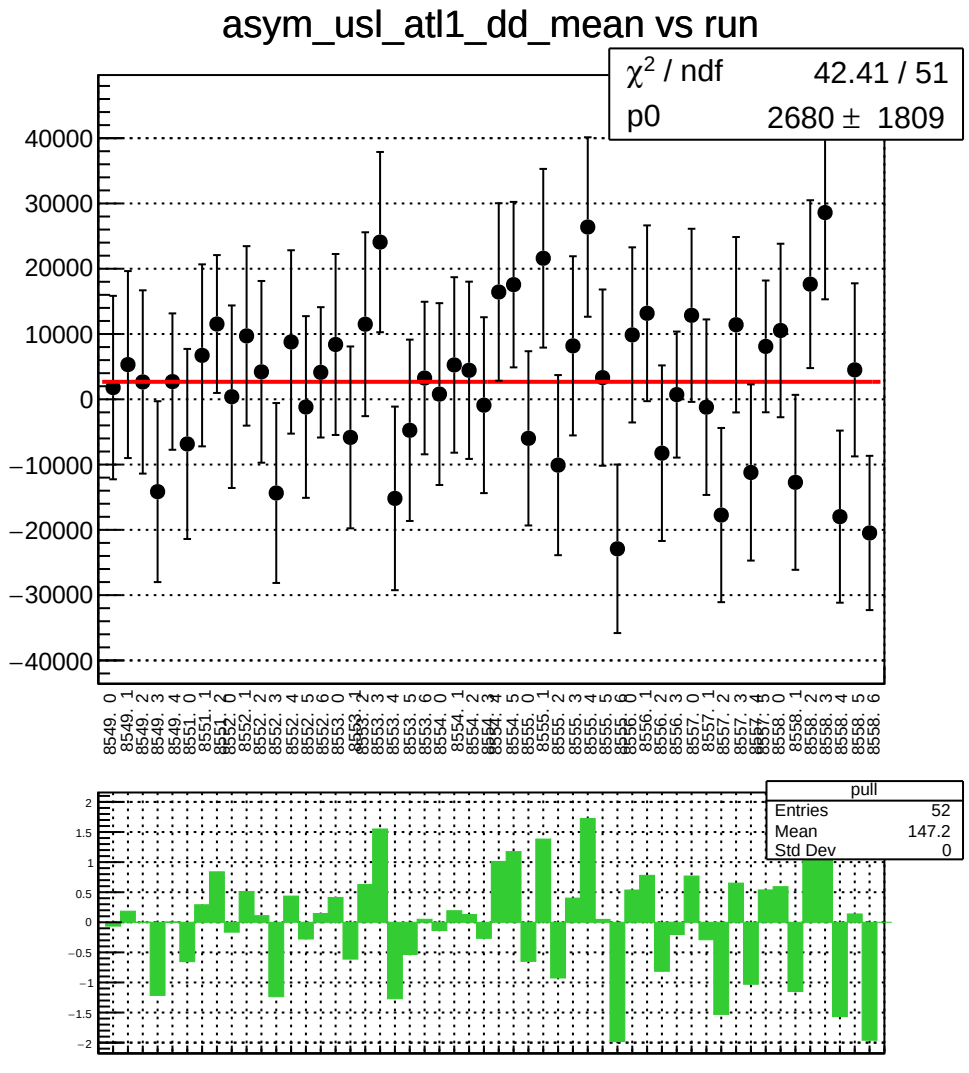

eigen_dit_asym_usl_atl1_dd_mean vs run
χ² / ndf 40.54 / 51
p0 −622.7 ± 1621
30000
20000
10000
0
−10000
−20000
−30000
−40000
pull
Entries 52
Mean 30.19
Std Dev 15.57
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

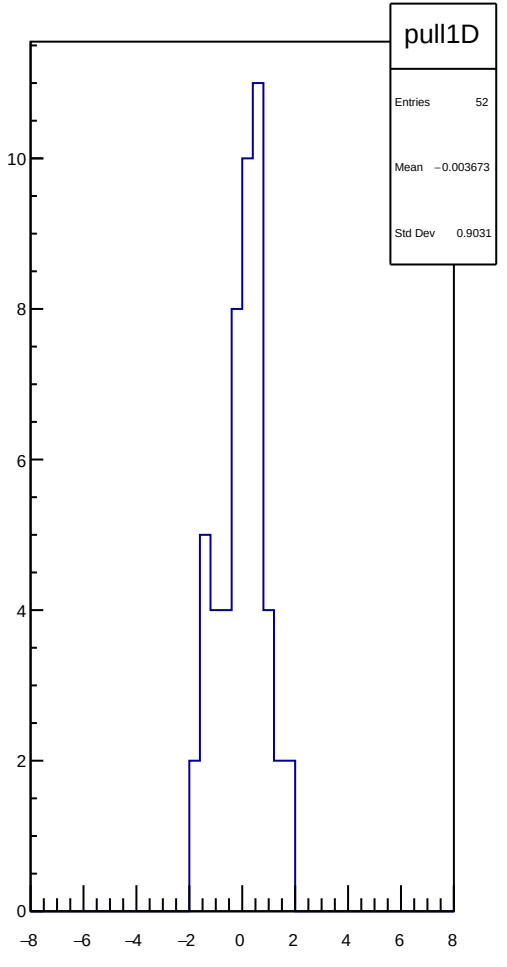

pull1D
Entries 52
Mean −0.02747
Std Dev 0.8825
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

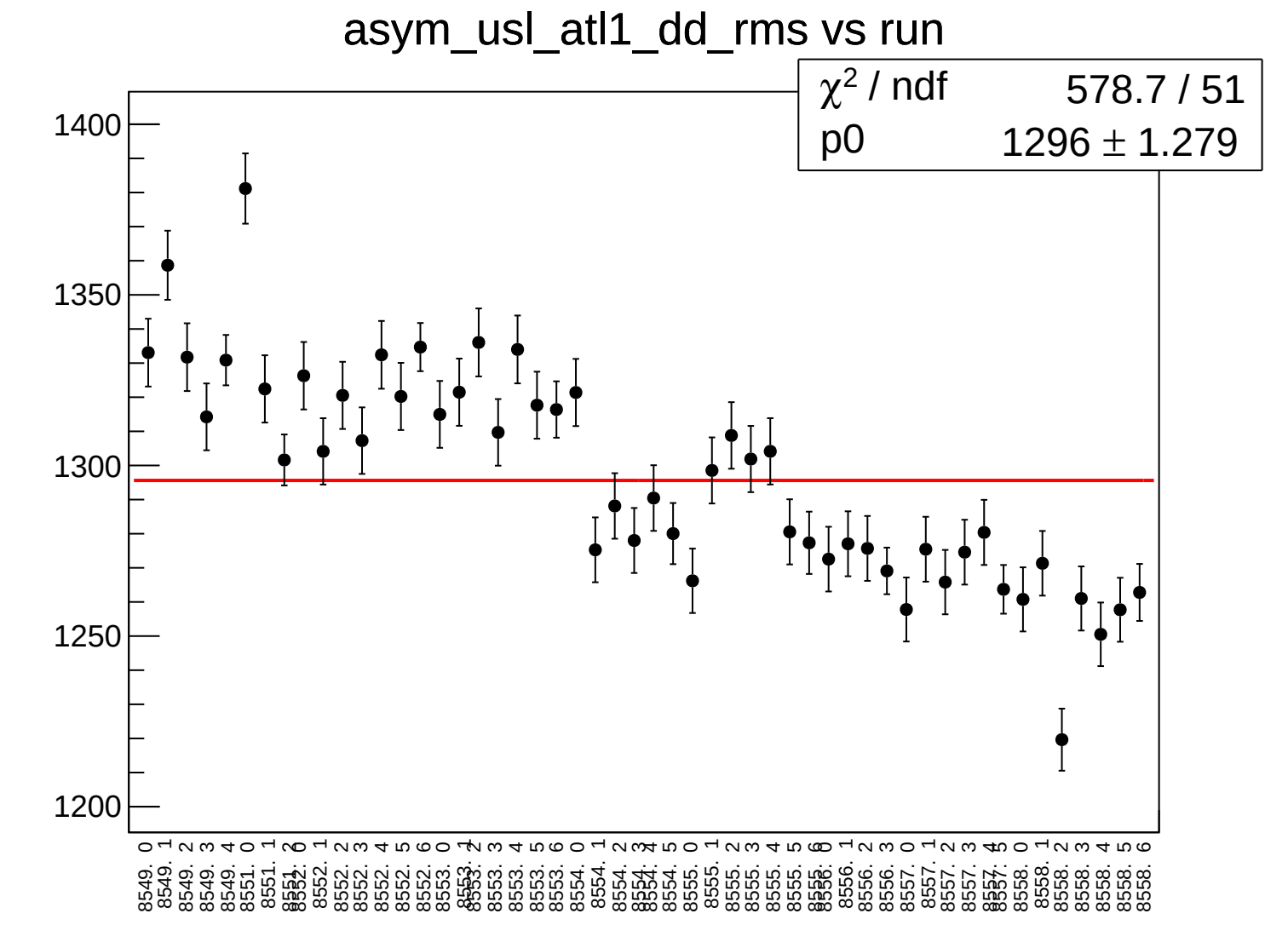

eigen_dit_asym_usl_atl1_dd_rms vs run
χ² / ndf 517.9 / 51
p0 1161 ± 1.147
1240
1220
1200
1180
1160
1140
1120
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 5
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6


asym_usl_atl1_dd_eigen_dit_correction_mean vs run
χ² / ndf 84.6 / 51
p0 −3252 ± 797.3
10000
0
−10000
−20000
−30000
pull
Entries 52
Mean 11.62
Std Dev 0
pull1D
Entries 52
Mean −0.05172
Std Dev 1.274


asym_usl_atl1_dd_eigen_dit_correction_rms vs run
χ² / ndf 2140 / 51
p0 570.7 ± 0.5638
640
620
600
580
560
540
520
500
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 5
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6


asym_usl_atl1_dd_mean vs run
χ² / ndf 42.41 / 51
p0 2680 ± 1809
40000
30000
20000
10000
0
−10000
−20000
−30000
−40000
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8551. 2
8551. 6
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 1
8553. 2
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 3
8554. 4
8554. 5
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8555. 6
8556. 0
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8557. 4
8557. 5
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6
pull
Entries 52
Mean 147.2
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2


pull1D
Entries 52
Mean −0.003673
Std Dev 0.9031
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


asym_usl_atl1_dd_rms vs run
χ² / ndf 578.7 / 51
p0 1296 ± 1.279
1400
1350
1300
1250
1200
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
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8557. 3
8558. 0
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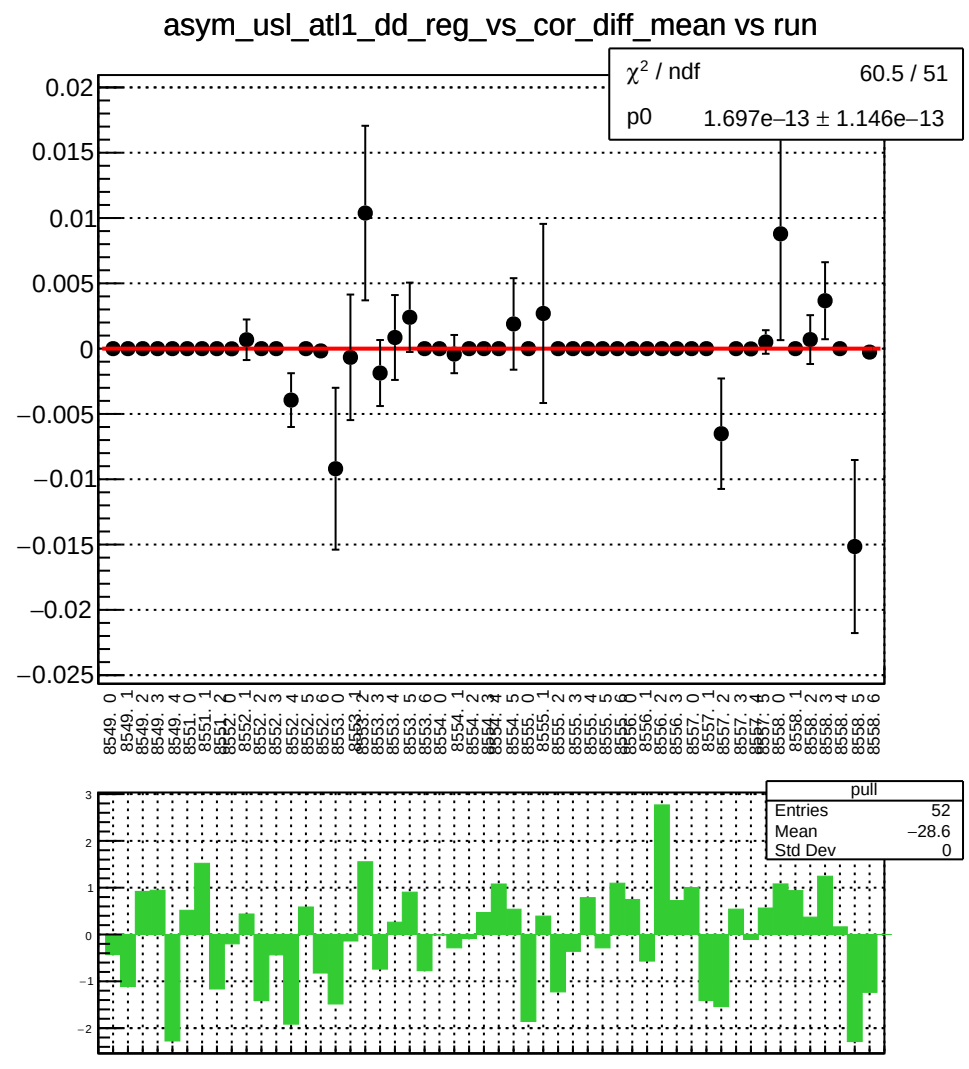
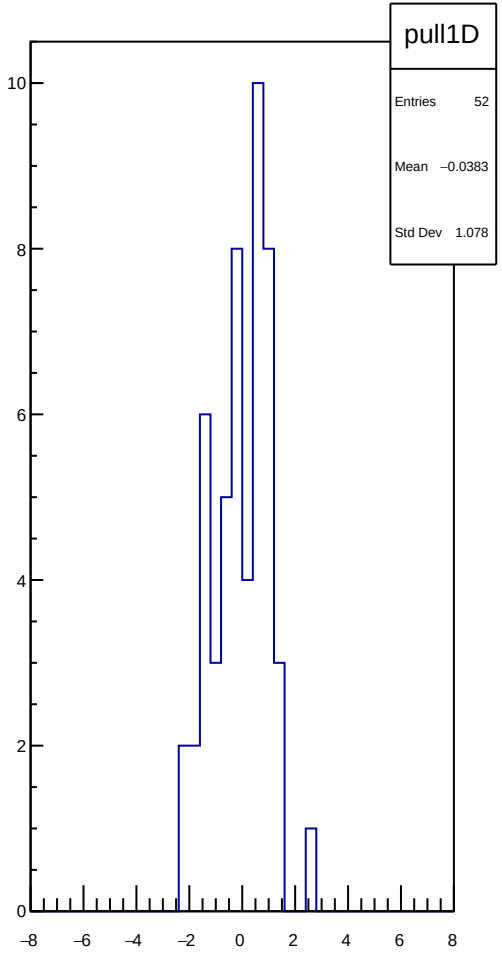
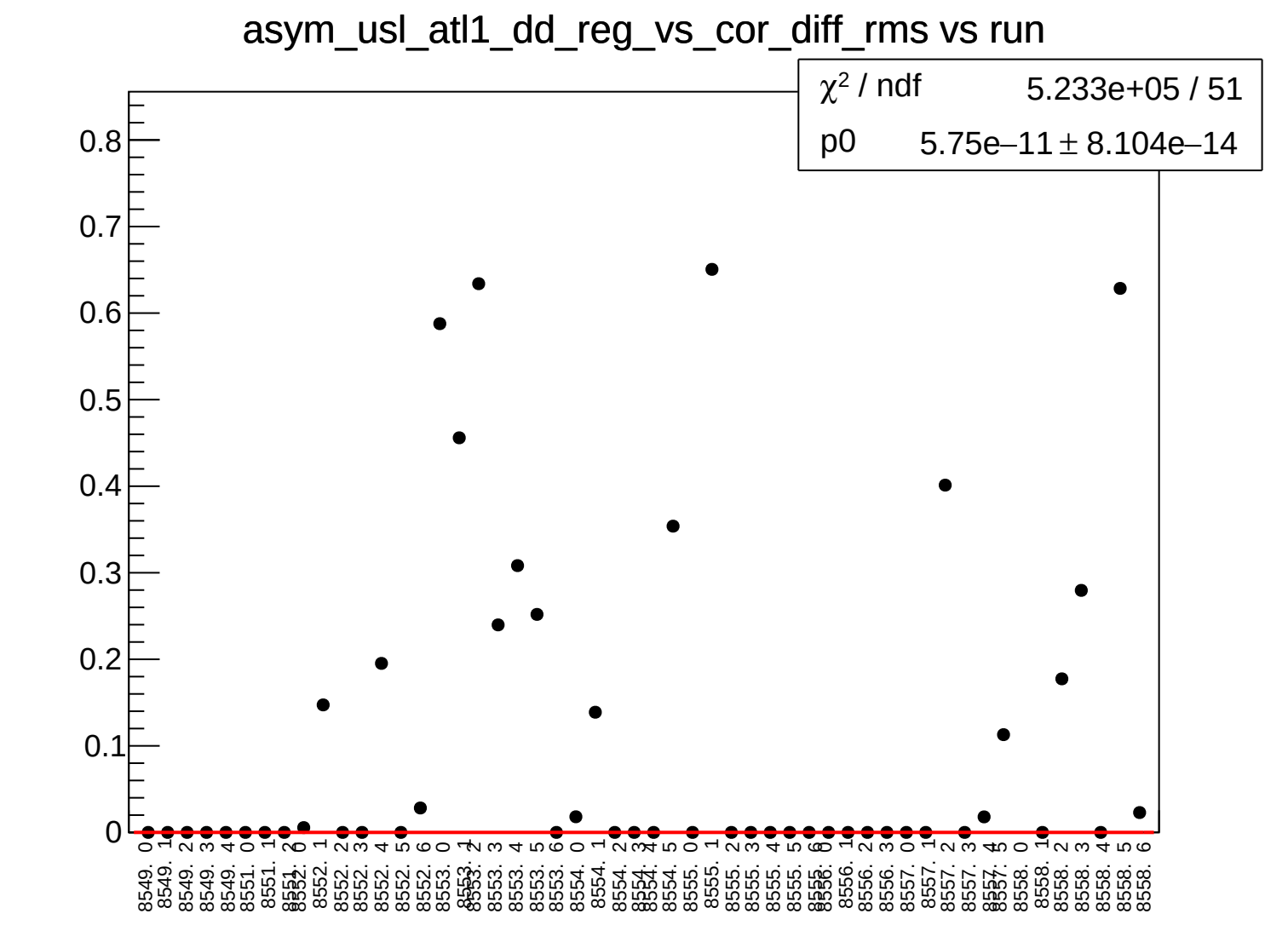
8558. 5
8558. 6


asym_usl_atl1_dd_reg_vs_cor_diff_mean vs run
χ² / ndf 60.5 / 51
p0 1.697e−13 ± 1.146e−13
pull
Entries 52
Mean −28.6
Std Dev 0


pull1D
Entries 52
Mean −0.0383
Std Dev 1.078


asym_usl_atl1_dd_reg_vs_cor_diff_rms vs run
χ² / ndf 5.233e+05 / 51
p0 5.75e−11 ± 8.104e−14
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 0
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 1
8553. 2
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 3
8554. 4
8554. 5
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8555. 6
8556. 0
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
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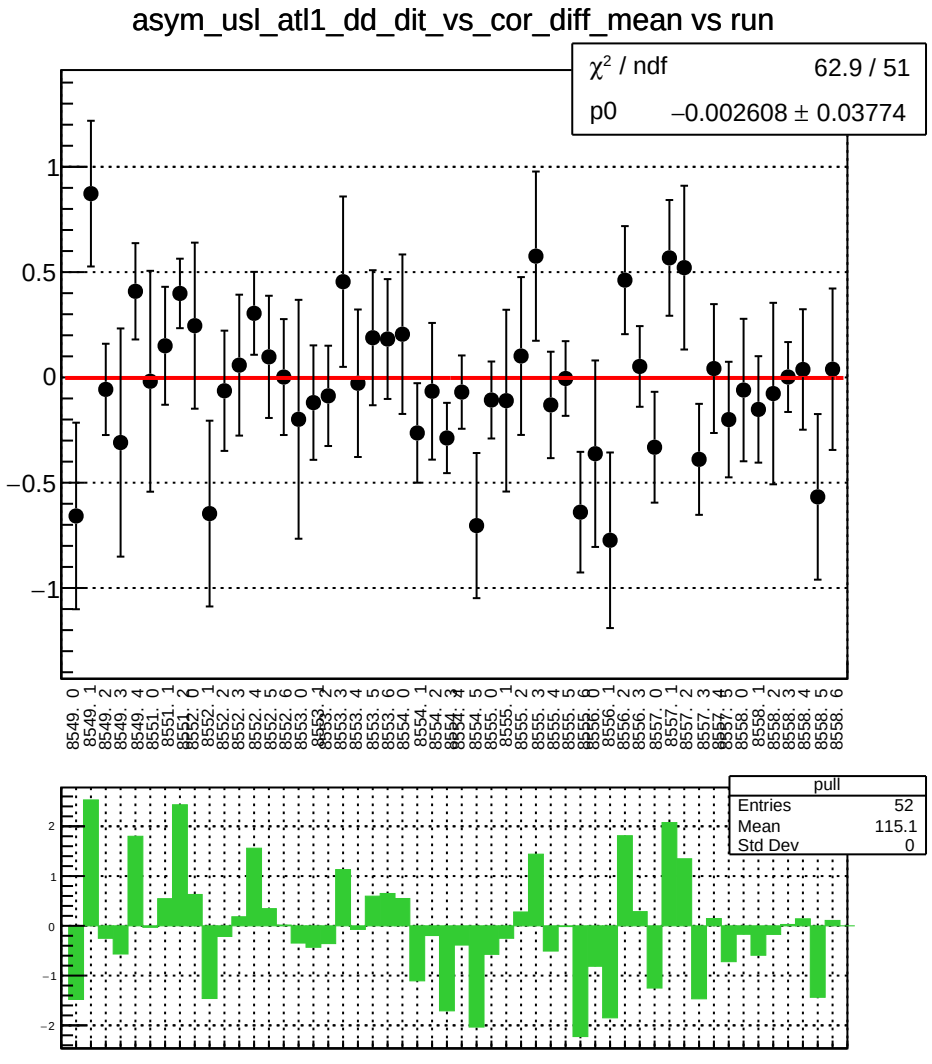
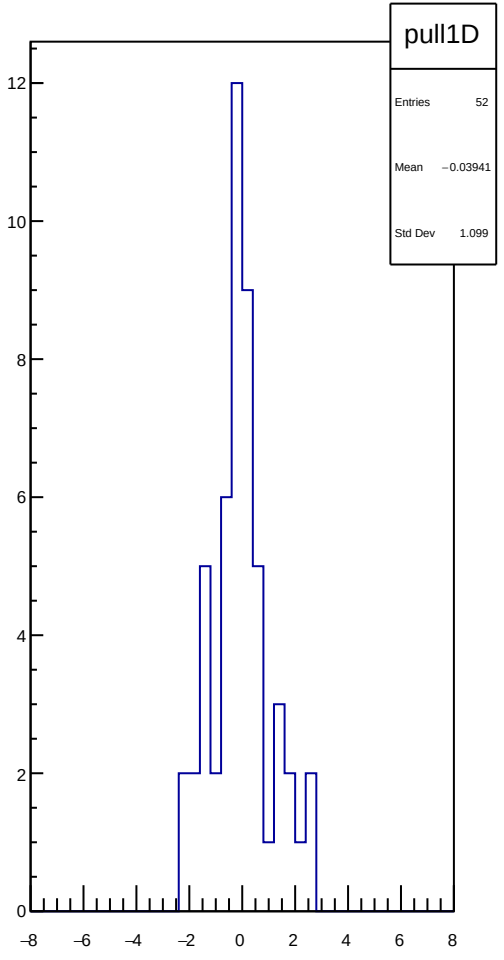
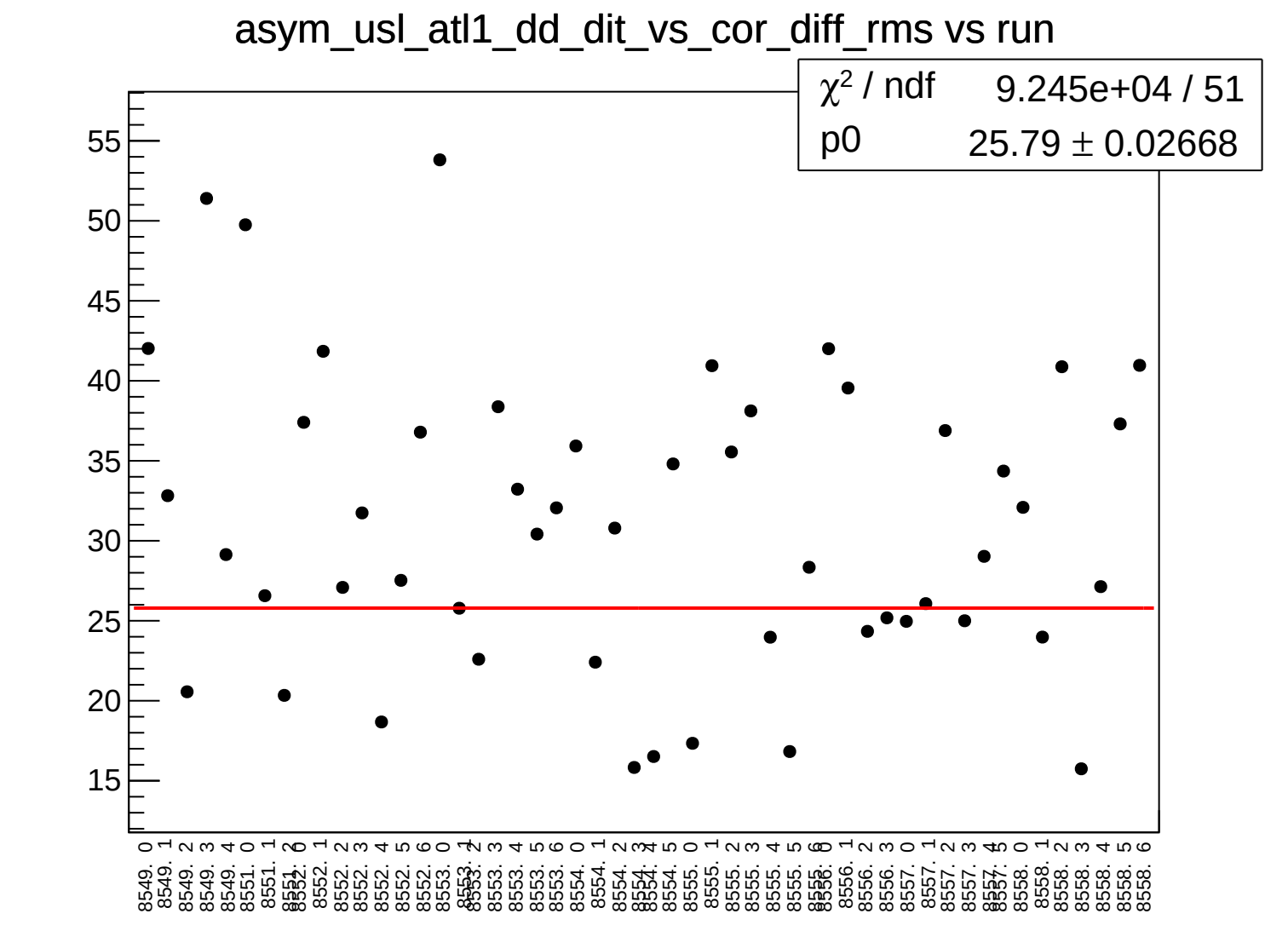
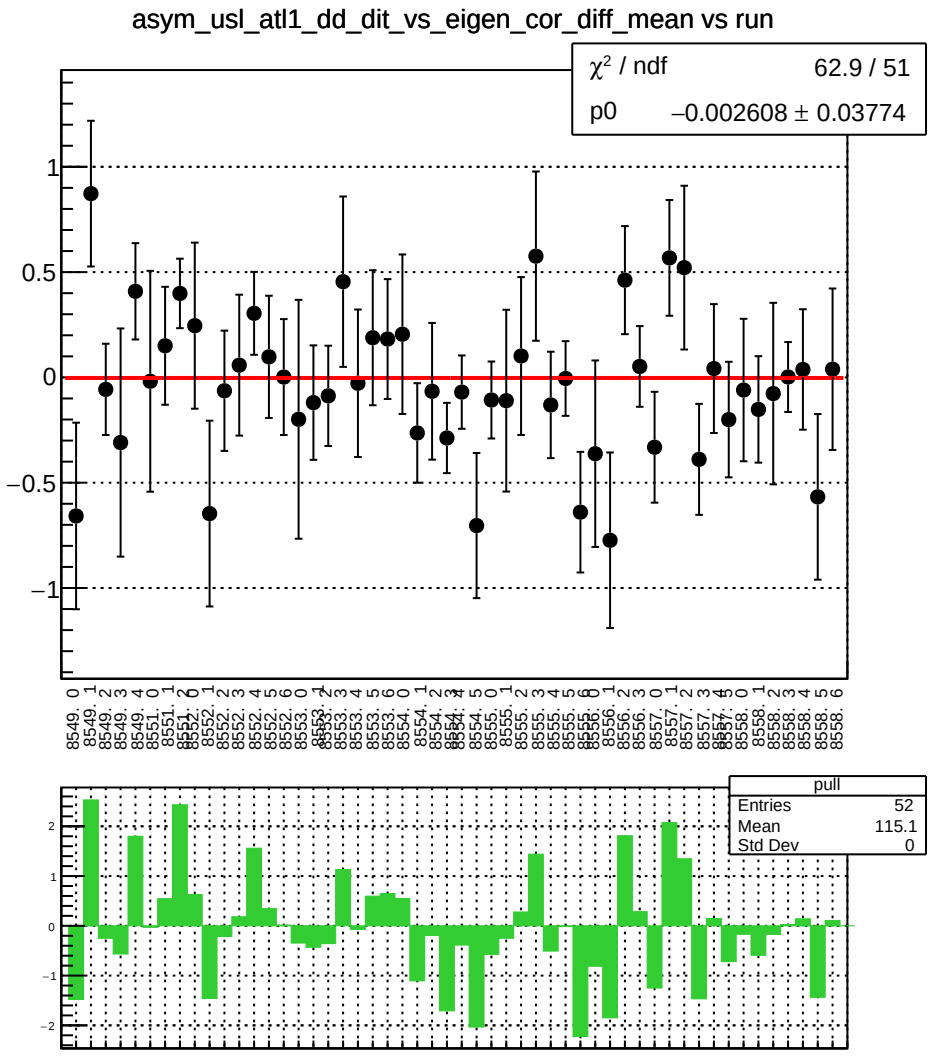
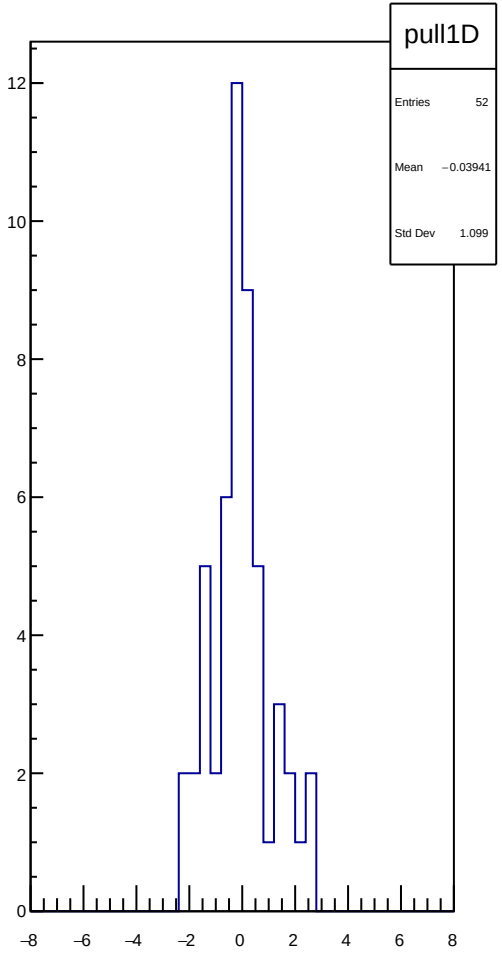
8557. 5
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

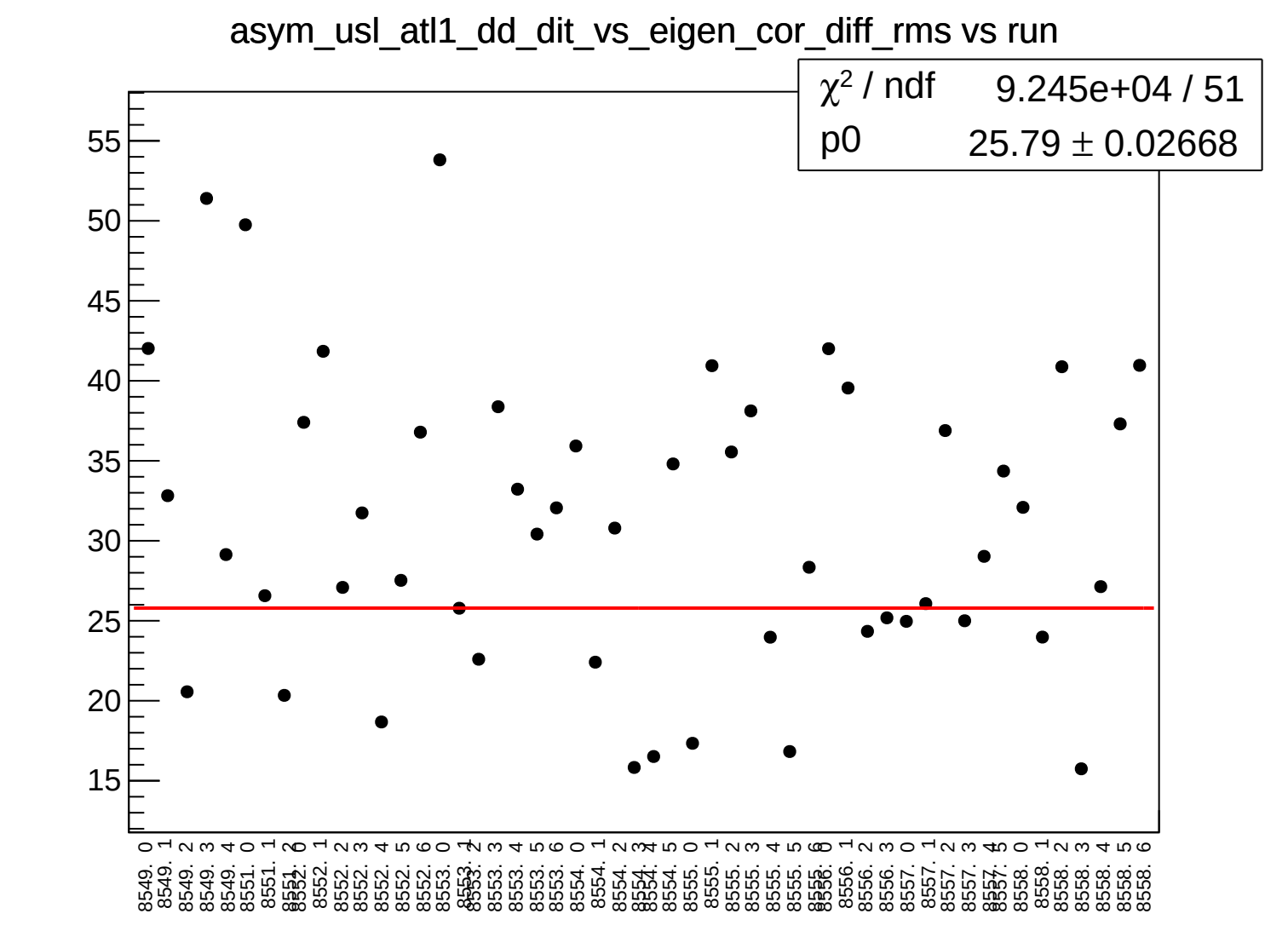

asym_usl_atl1_dd_dit_vs_cor_diff_mean vs run
χ² / ndf 62.9 / 51
p0 −0.002608 ± 0.03774
pull
Entries 52
Mean 115.1
Std Dev 0

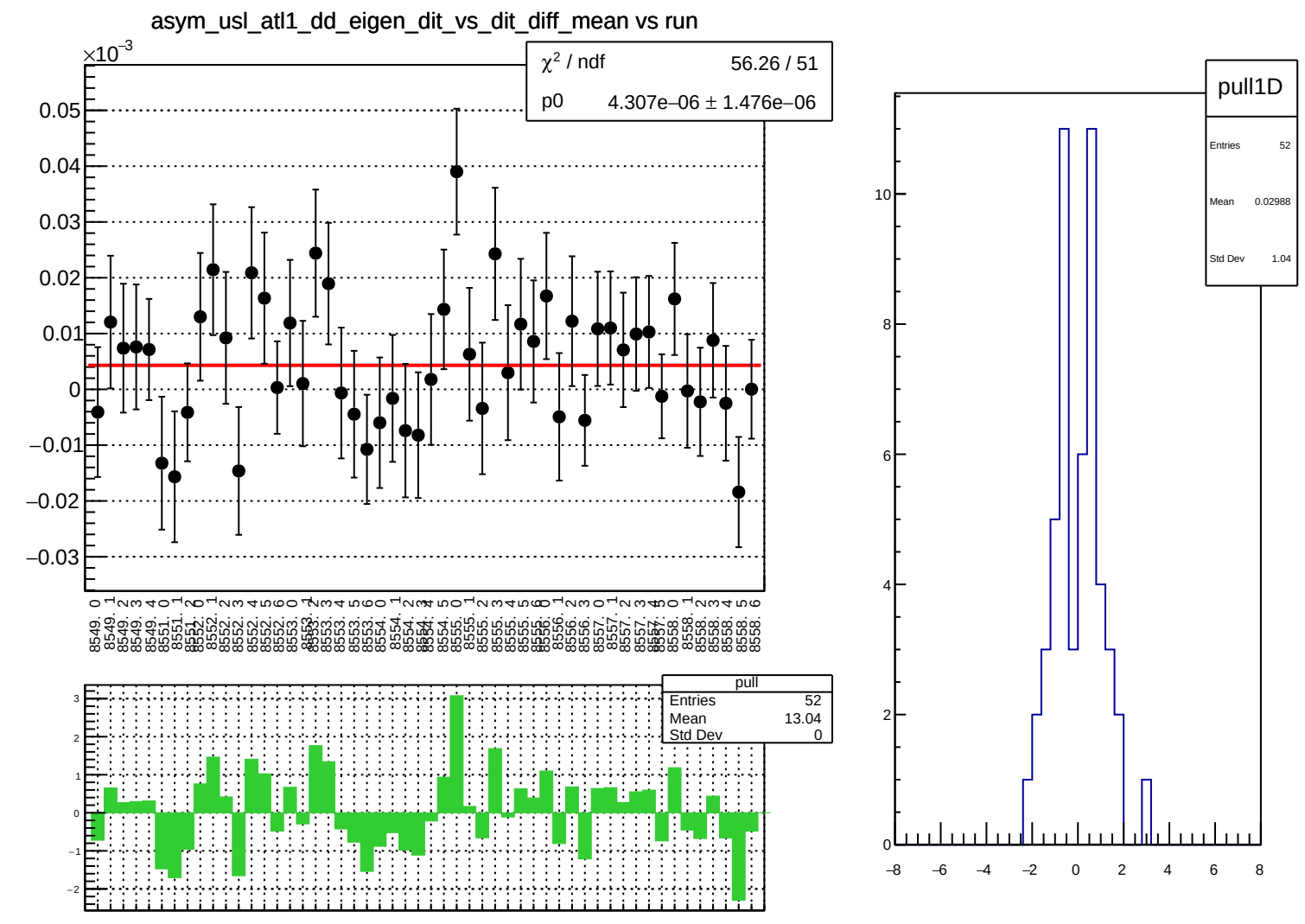

pull1D
Entries 52
Mean −0.03941
Std Dev 1.099

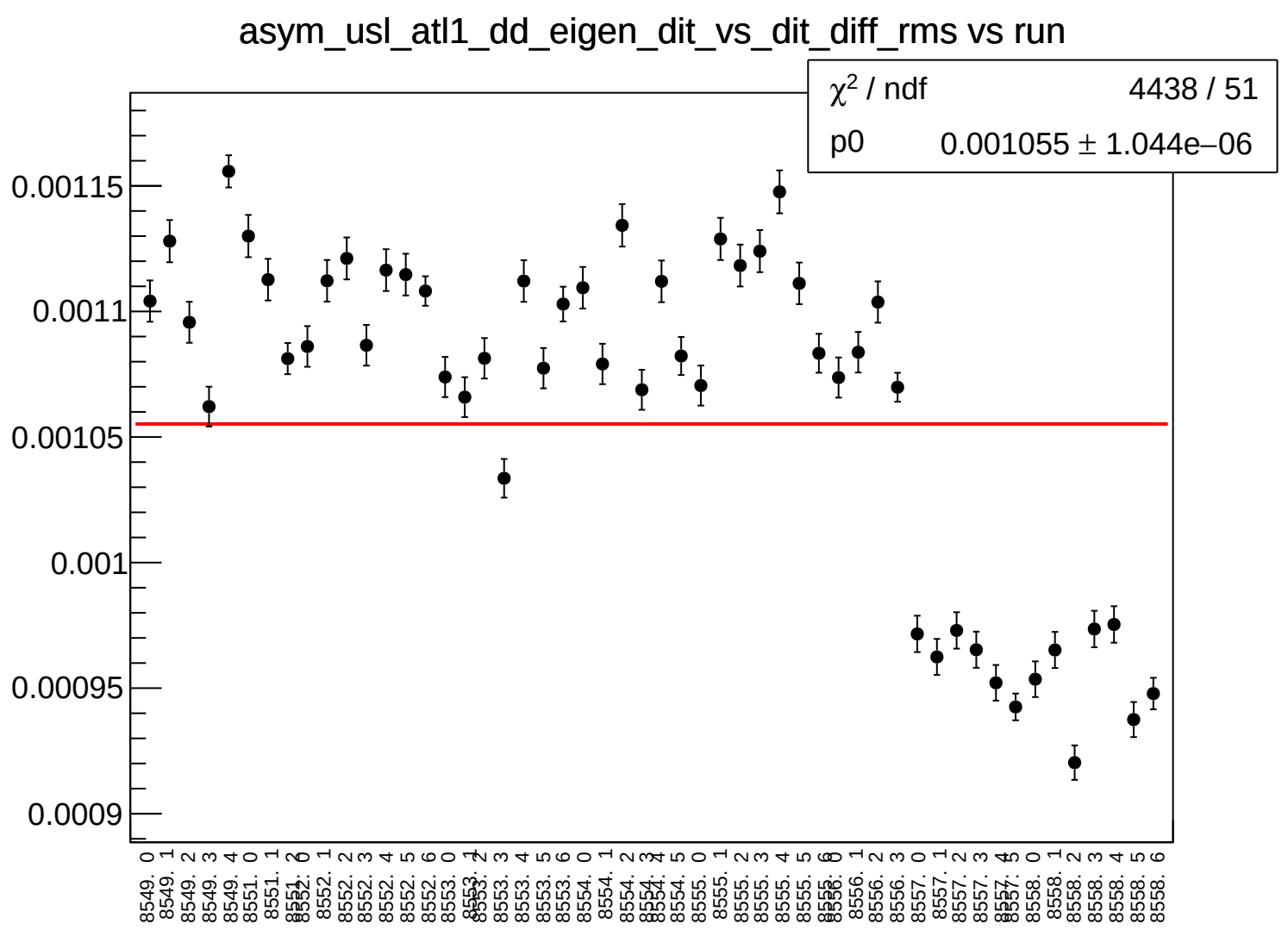

asym_usl_atl1_dd_dit_vs_cor_diff_rms vs run
χ² / ndf 9.245e+04 / 51
p0 25.79 ± 0.02668
55
50
45
40
35
30
25
20
15
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6


asym_usl_atl1_dd_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 62.9 / 51
p0 −0.002608 ± 0.03774
pull
Entries 52
Mean 115.1
Std Dev 0


pull1D
Entries 52
Mean −0.03941
Std Dev 1.099


asym_usl_atl1_dd_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 9.245e+04 / 51
p0 25.79 ± 0.02668
55
50
45
40
35
30
25
20
15
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6


asym_usl_atl1_dd_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 56.26 / 51
p0 4.307e−06 ± 1.476e−06
0.05
0.04
0.03
0.02
0.01
0
−0.01
−0.02
−0.03
pull
Entries 52
Mean 13.04
Std Dev 0
3
2
1
0
−1
−2
pull1D
Entries 52
Mean 0.02988
Std Dev 1.04
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


asym_usl_atl1_dd_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 4438 / 51
p0 0.001055 ± 1.044e−06
0.00115
0.0011
0.00105
0.001
0.00095
0.0009
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
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8558. 0
8558. 1
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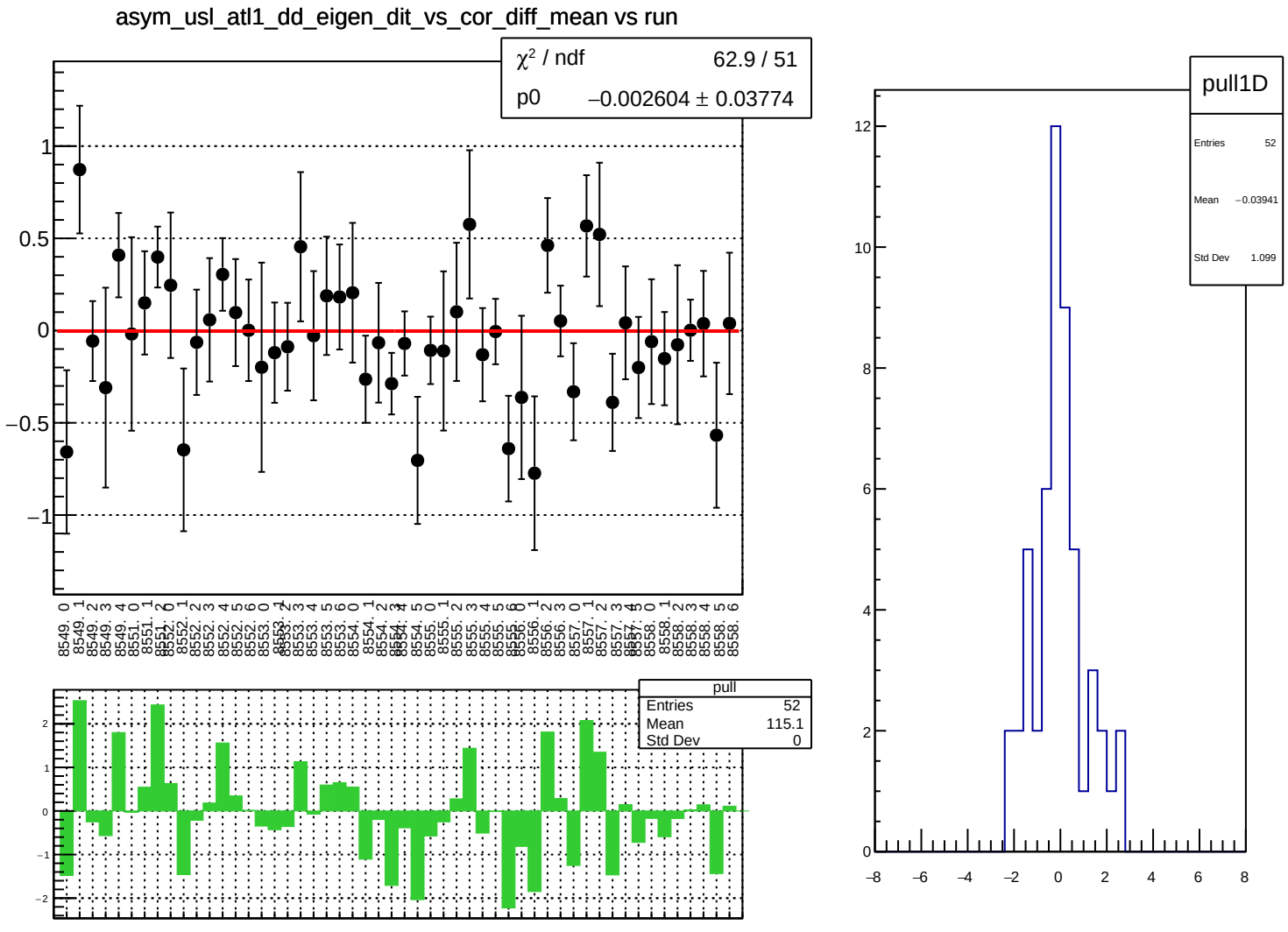
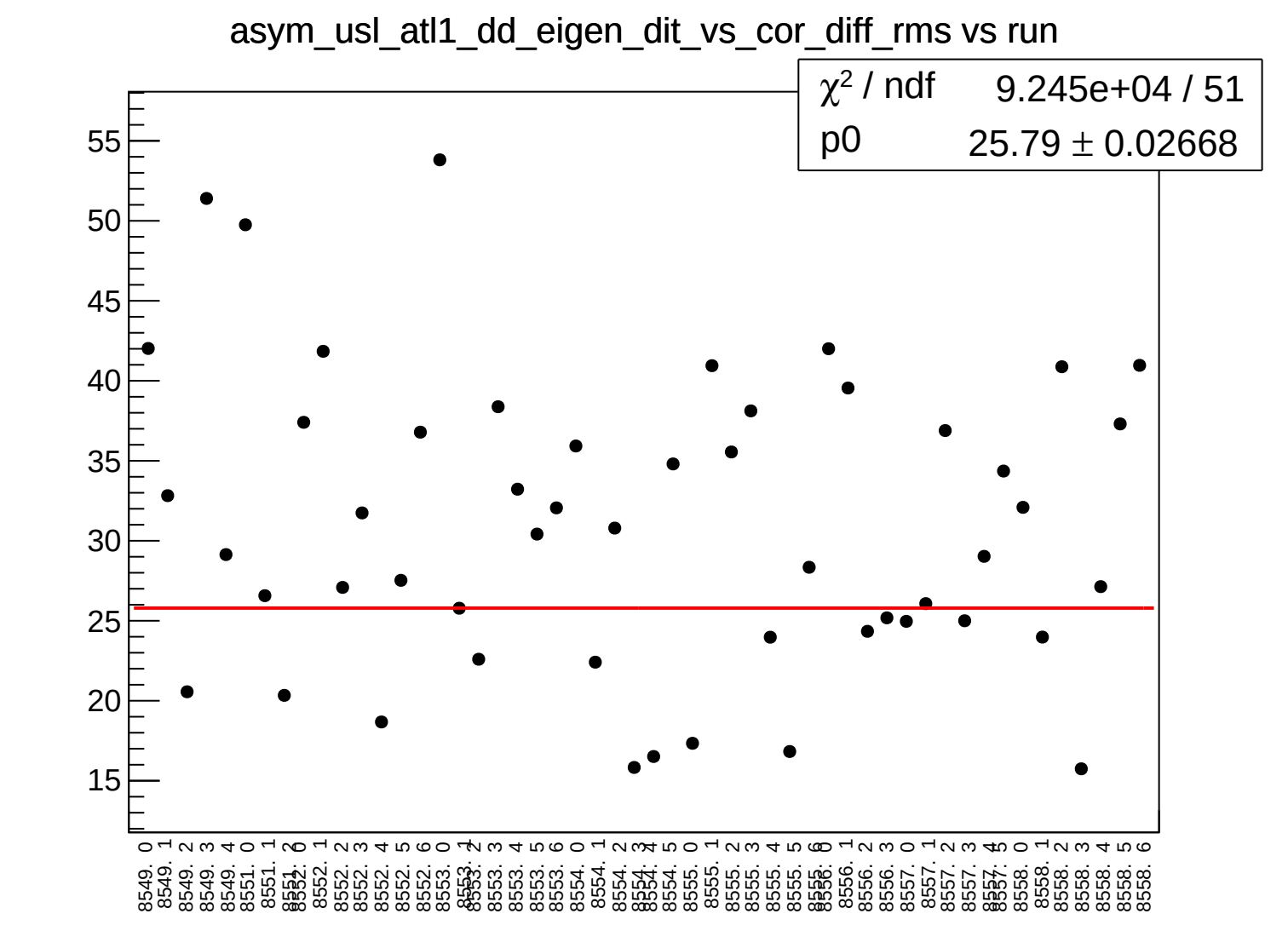
8558. 3
8558. 4
8558. 5
8558. 6


asym_usl_atl1_dd_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 62.9 / 51
p0 −0.002604 ± 0.03774
pull
Entries 52
Mean 115.1
Std Dev 0
pull1D
Entries 52
Mean −0.03941
Std Dev 1.099


asym_usl_atl1_dd_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 9.245e+04 / 51
p0 25.79 ± 0.02668
55
50
45
40
35
30
25
20
15
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
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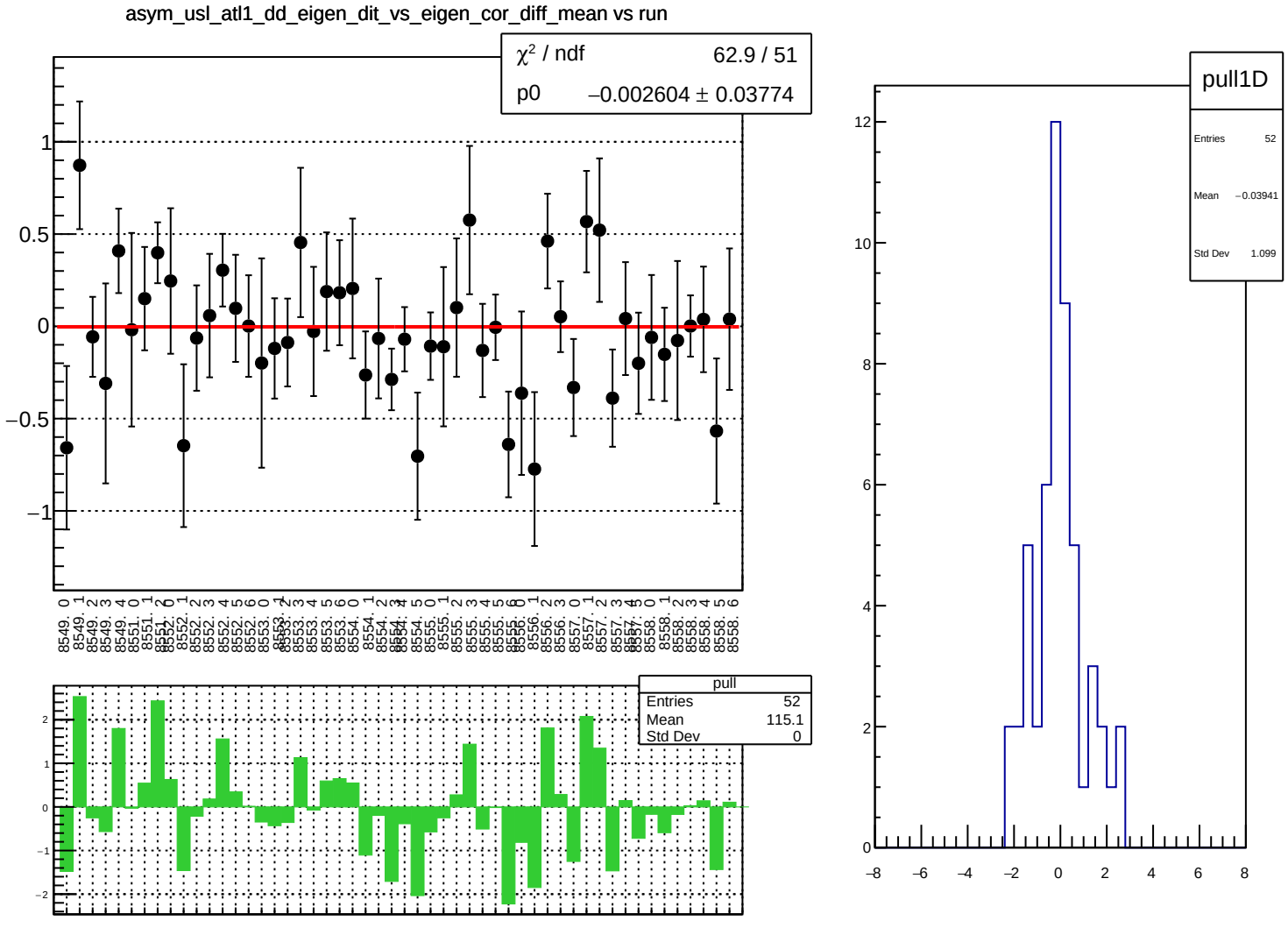
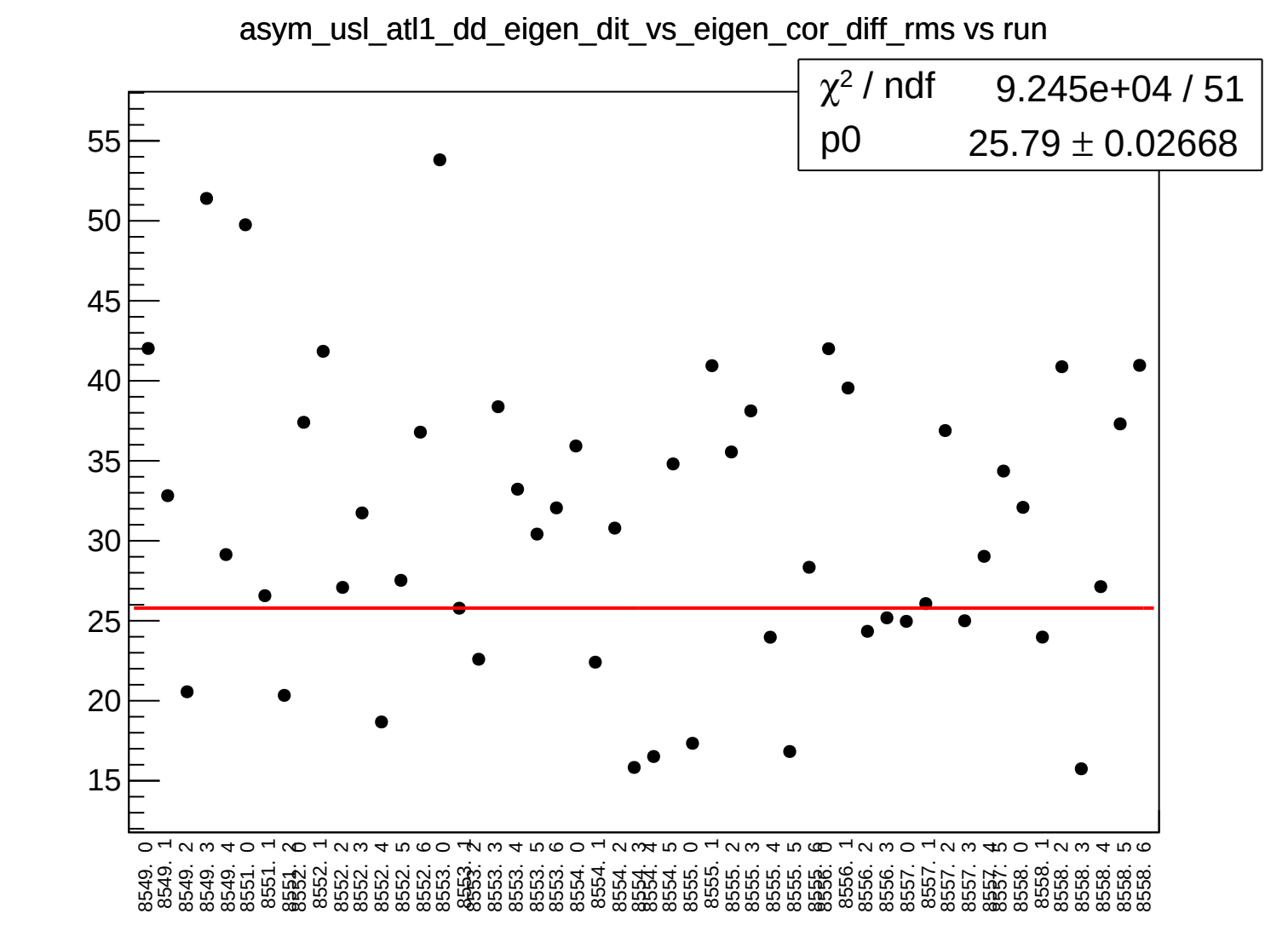
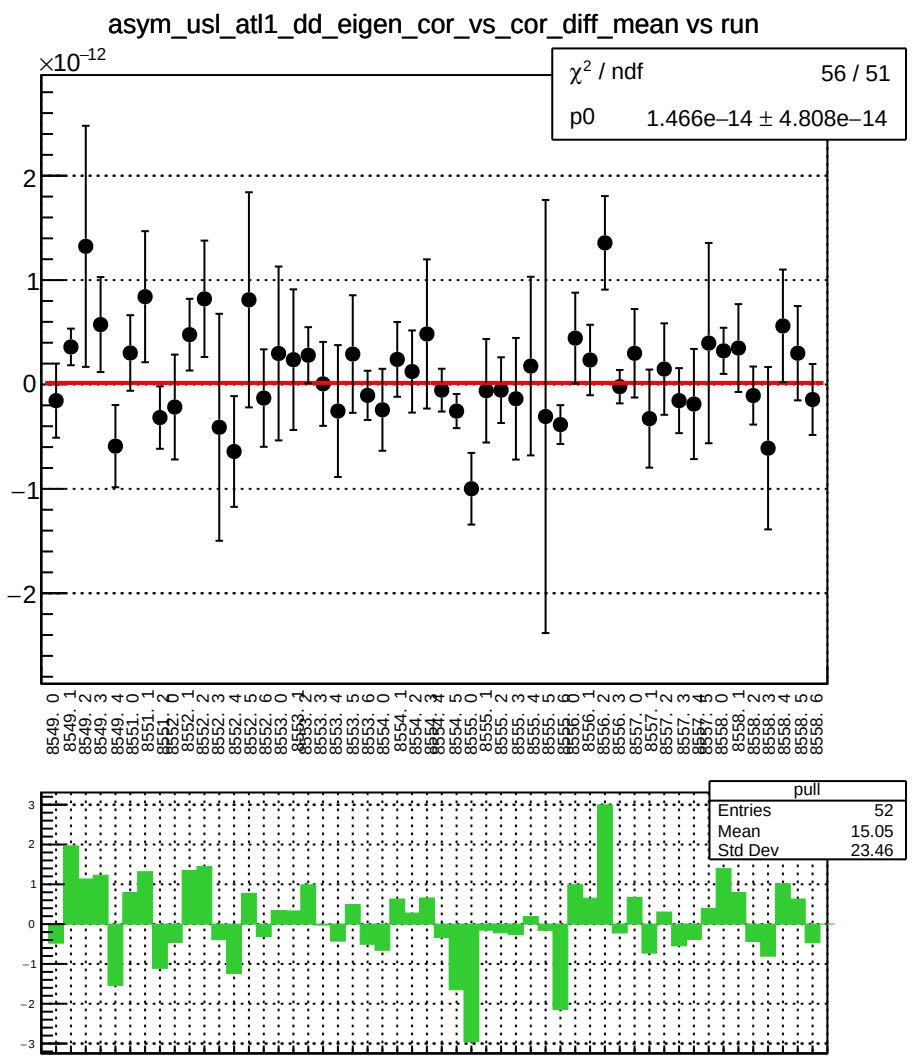
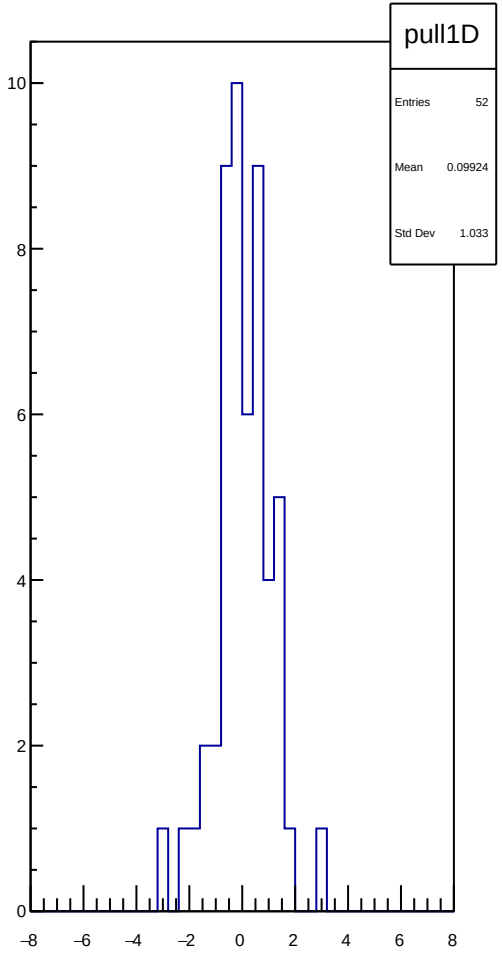
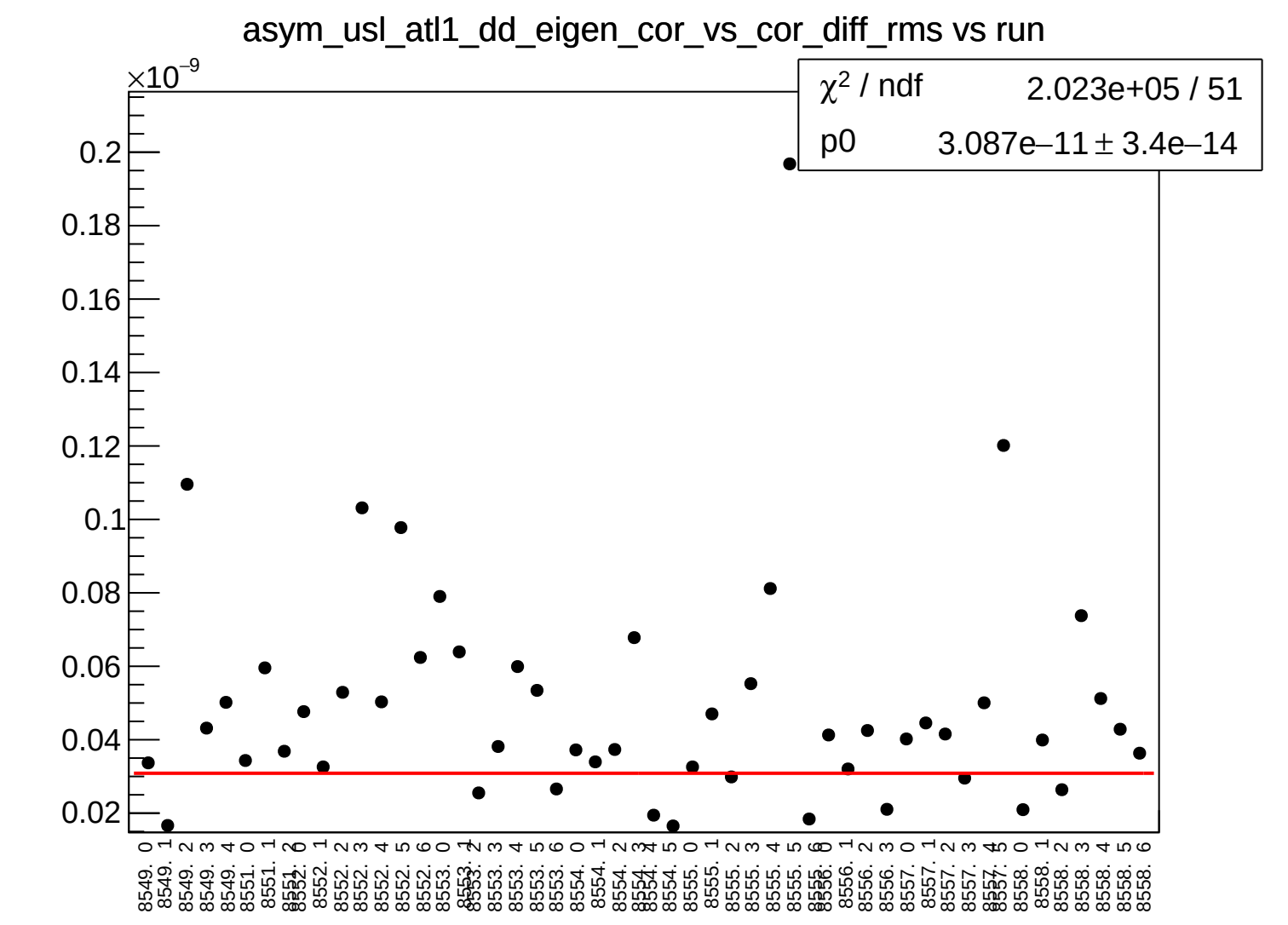
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

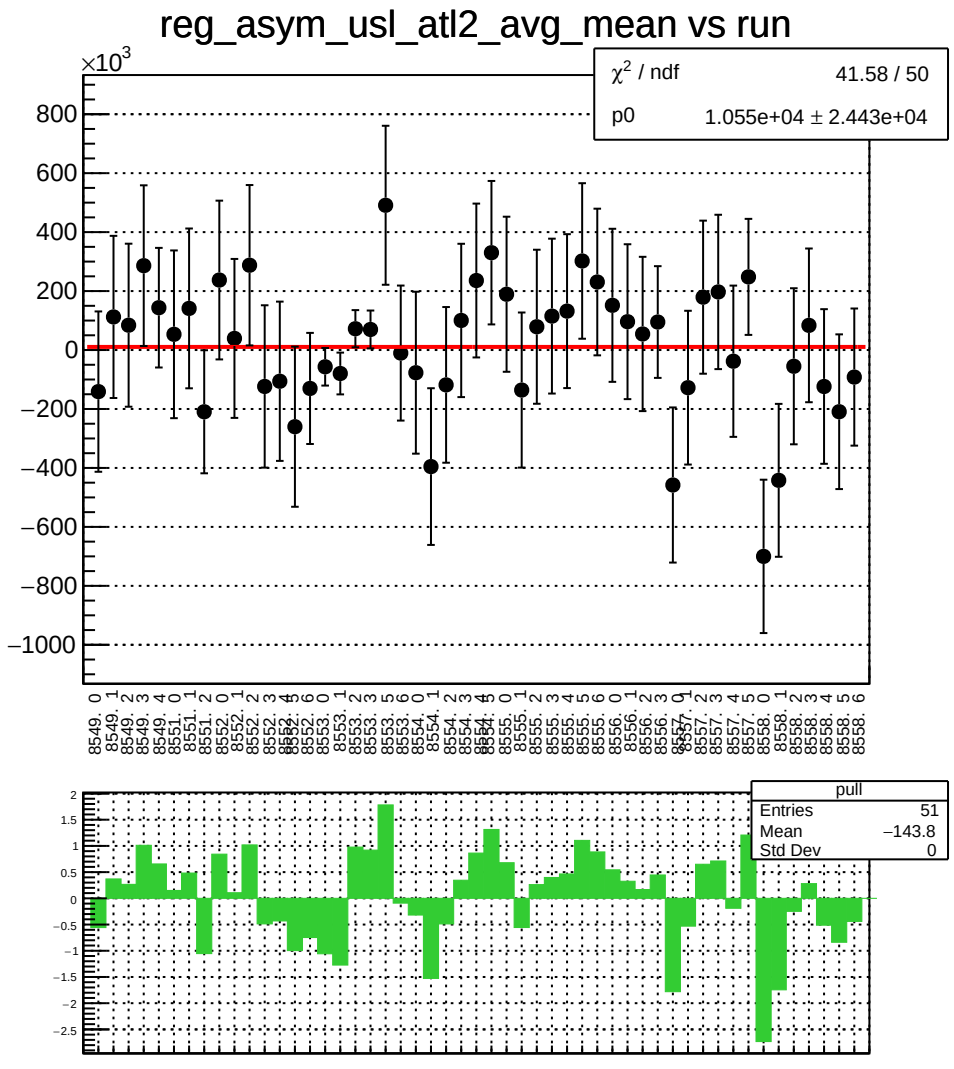

asym_usl_atl1_dd_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 62.9 / 51
p0 −0.002604 ± 0.03774
pull
Entries 52
Mean 115.1
Std Dev 0
pull1D
Entries 52
Mean −0.03941
Std Dev 1.099

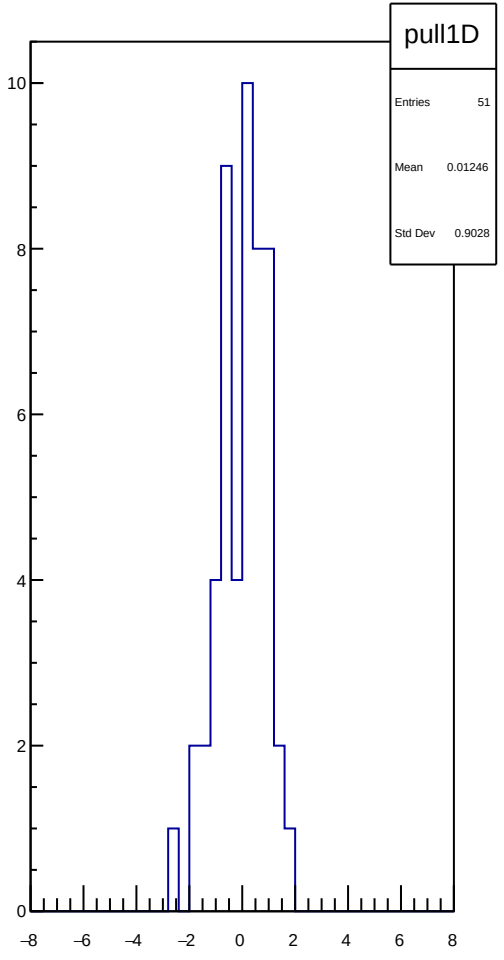

asym_usl_atl1_dd_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 9.245e+04 / 51
p0 25.79 ± 0.02668
55
50
45
40
35
30
25
20
15
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

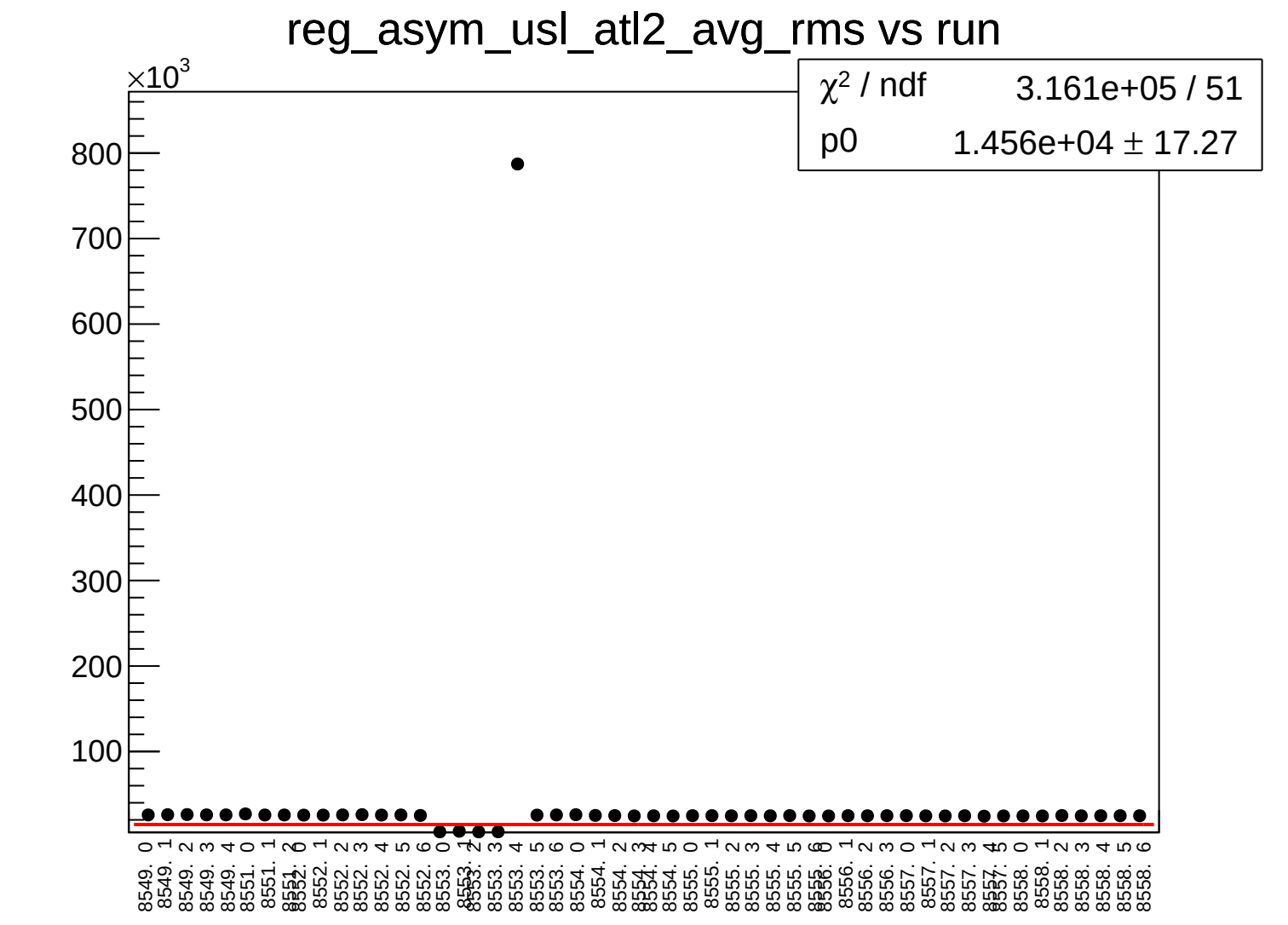

asym_usl_atl1_dd_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 56 / 51
p0 1.466e−14 ± 4.808e−14
pull
Entries 52
Mean 15.05
Std Dev 23.46

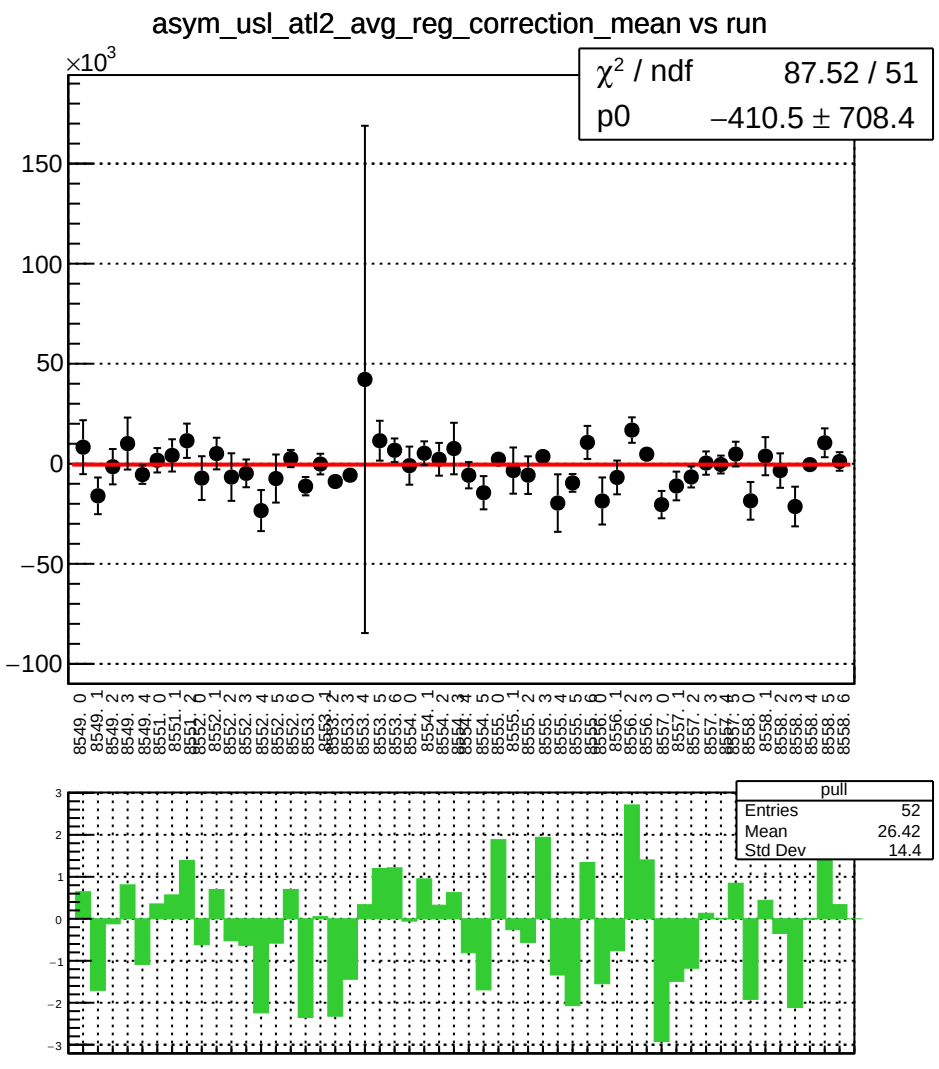

pull1D
Entries 52
Mean 0.09924
Std Dev 1.033

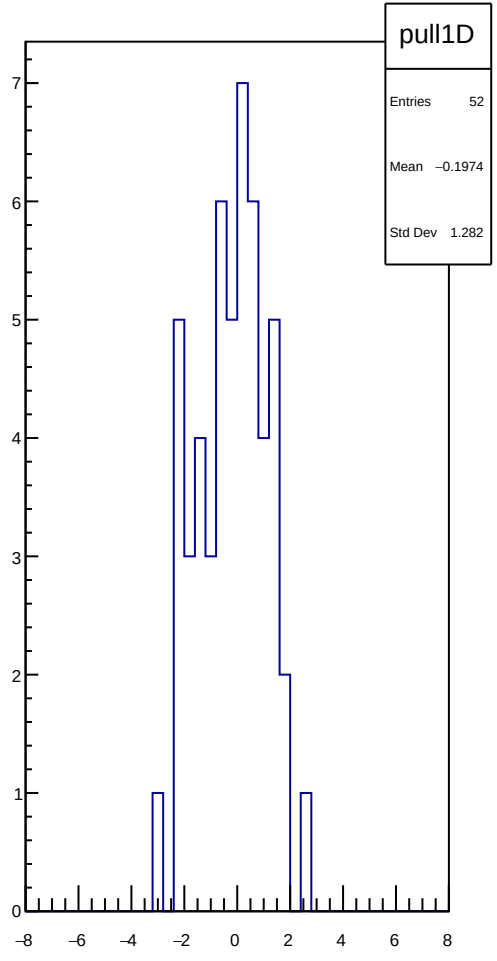

asym_usl_atl1_dd_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 2.023e+05 / 51
p0 3.087e−11 ± 3.4e−14
0.2
0.18
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

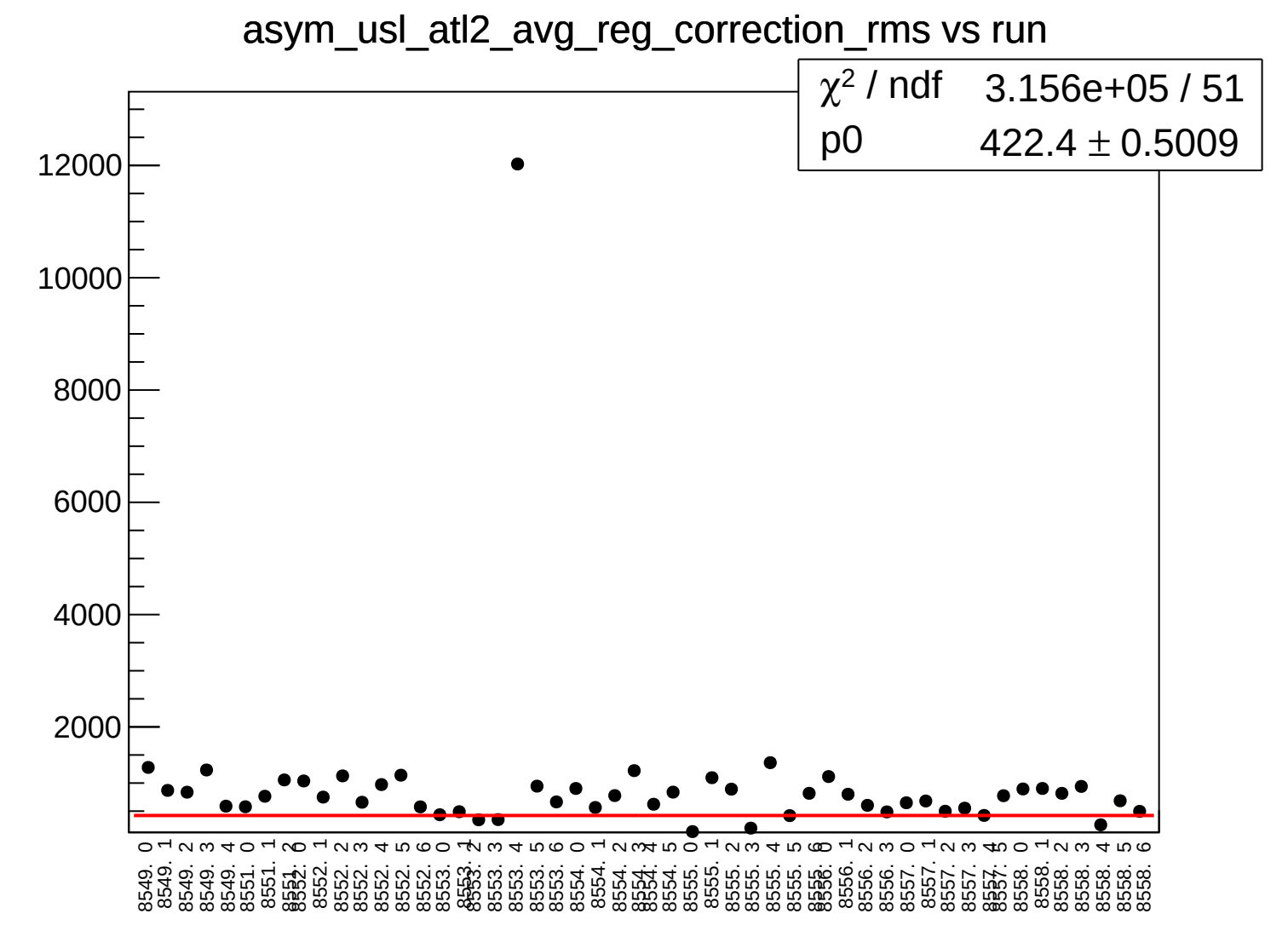

reg_asym_usl_atl2_avg_mean vs run
×10^3
χ² / ndf 41.58 / 50
p0 1.055e+04 ± 2.443e+04
pull
Entries 51
Mean −143.8
Std Dev 0

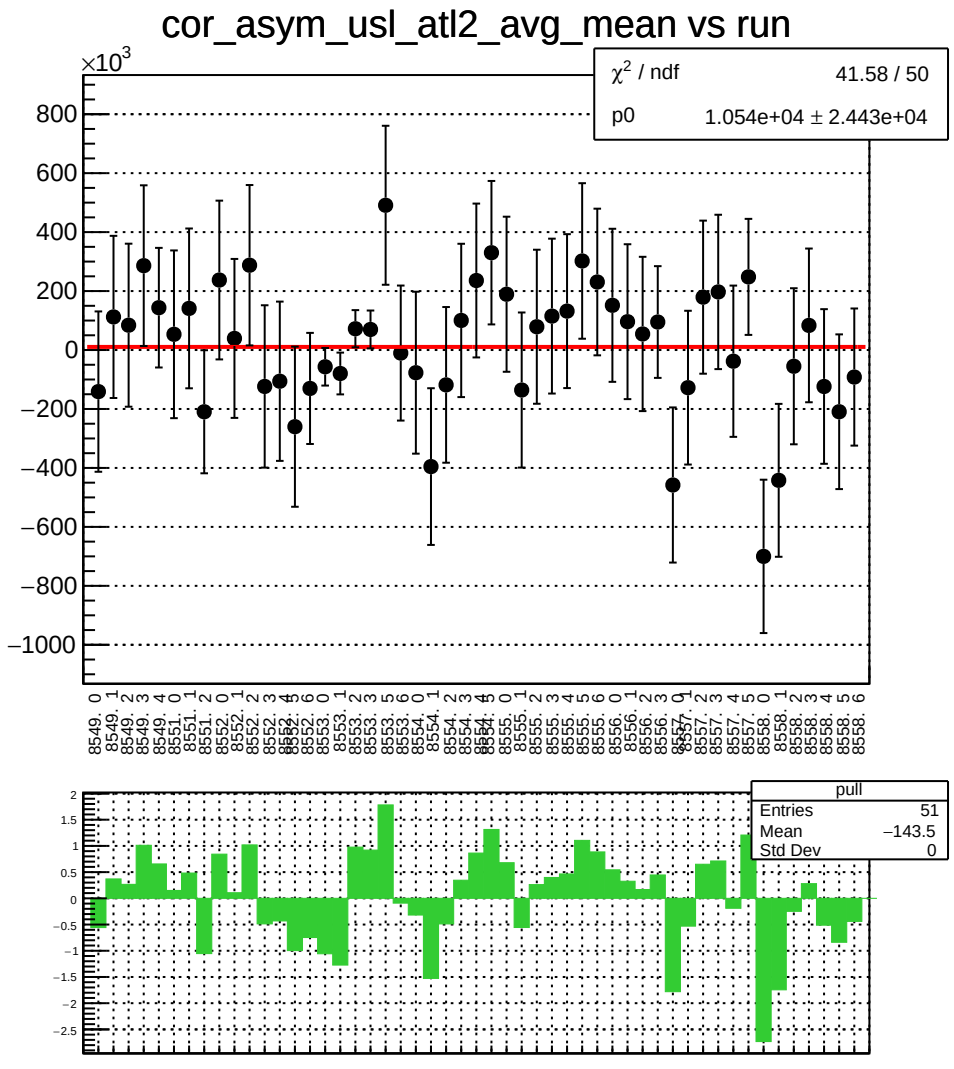

pull1D
Entries 51
Mean 0.01246
Std Dev 0.9028

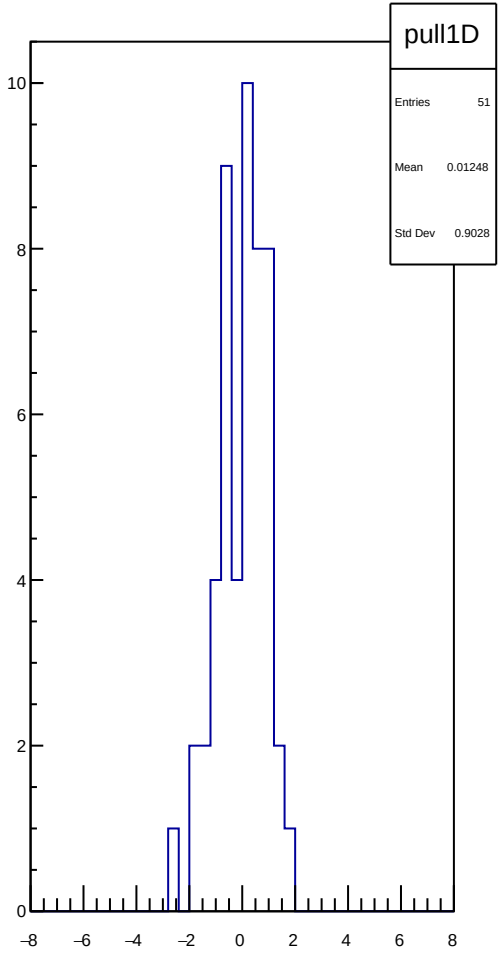

reg_asym_usl_atl2_avg_rms vs run
×10^3
800
700
600
500
400
300
200
100
χ² / ndf 3.161e+05 / 51
p0 1.456e+04 ± 17.27
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

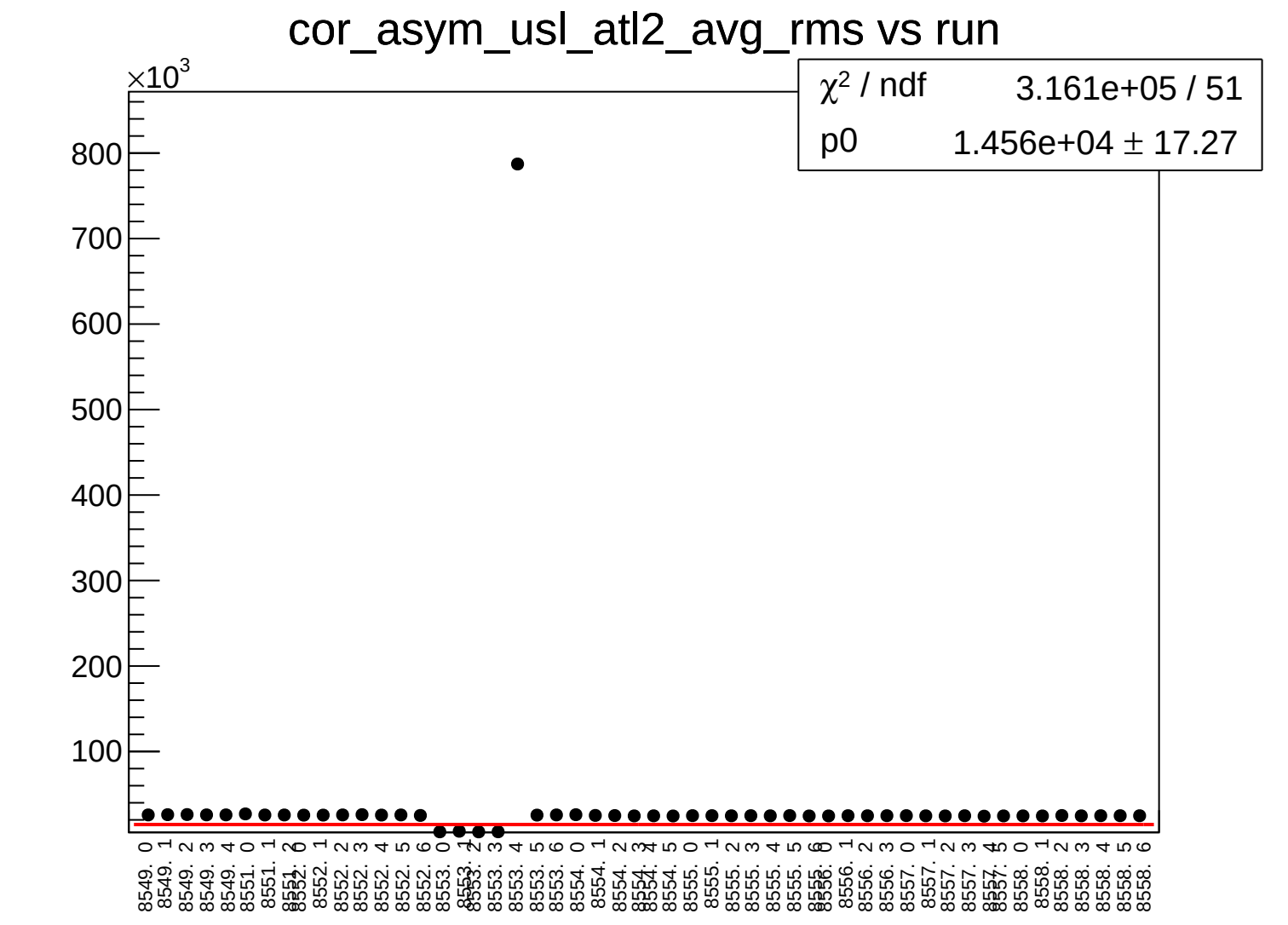

asym_usl_atl2_avg_reg_correction_mean vs run
χ² / ndf 87.52 / 51
p0 −410.5 ± 708.4
×10³
150
100
50
0
−50
−100
pull
Entries 52
Mean 26.42
Std Dev 14.4

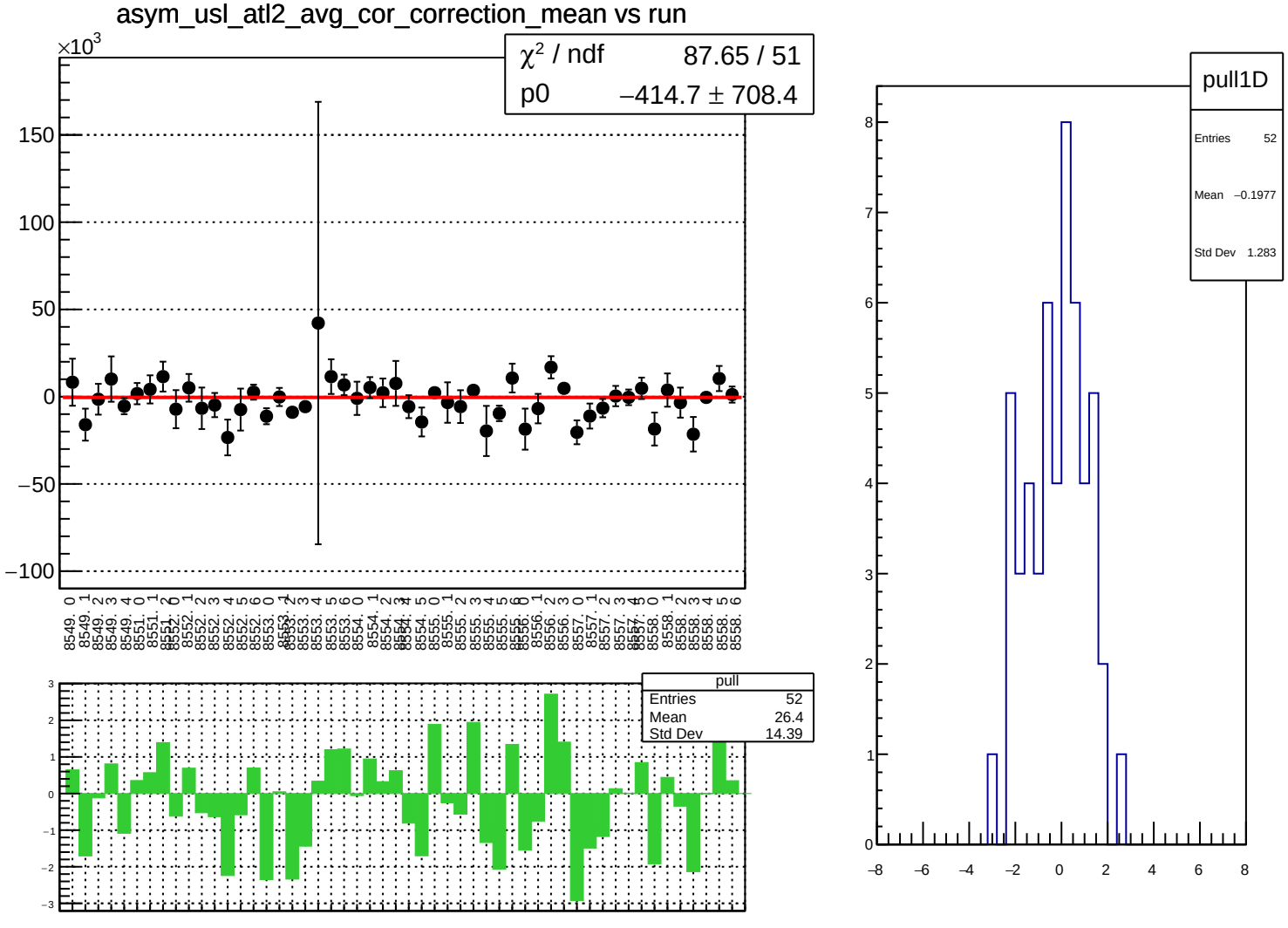

pull1D
Entries 52
Mean −0.1974
Std Dev 1.282

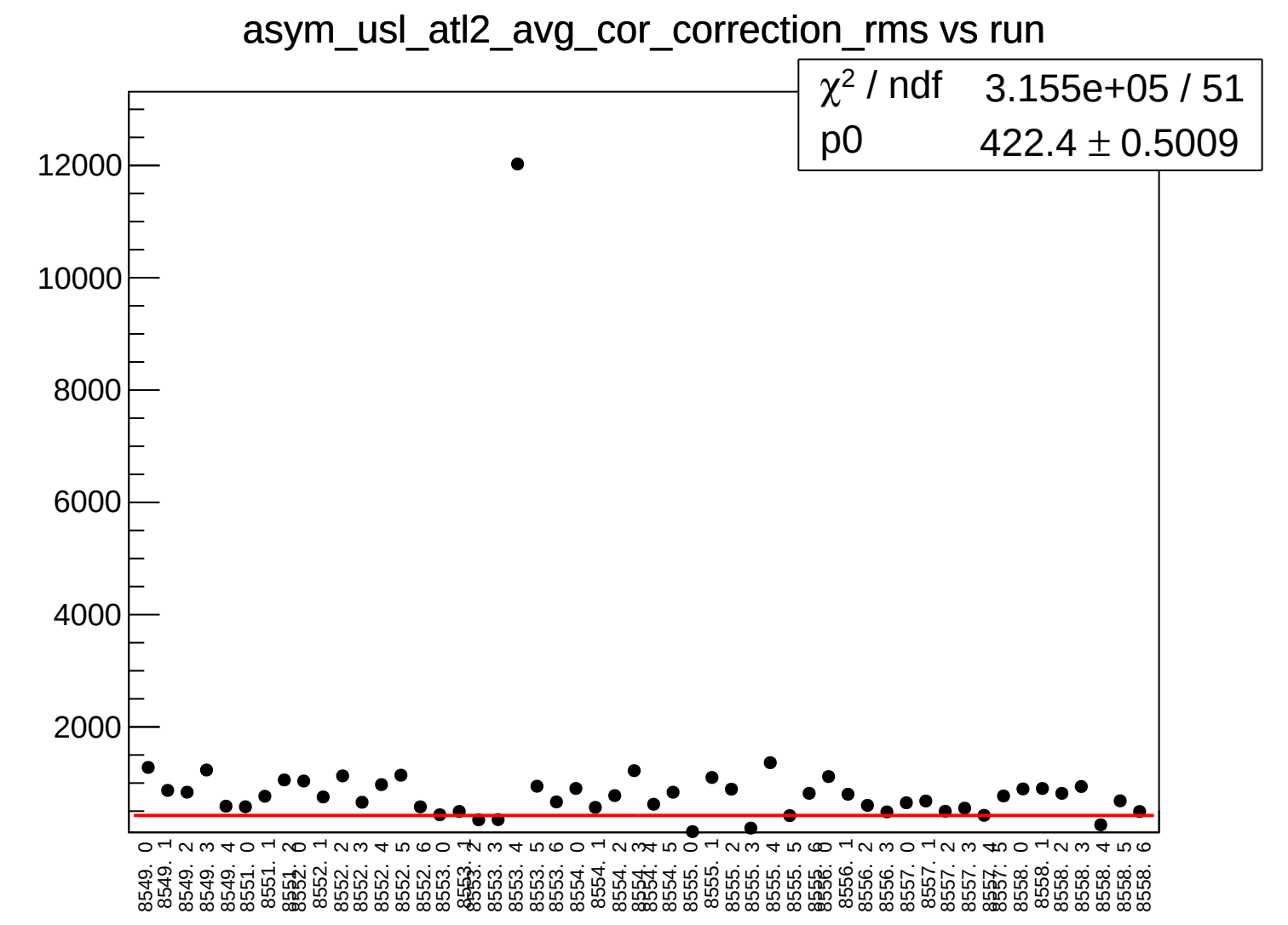

asym_usl_atl2_avg_reg_correction_rms vs run
χ² / ndf 3.156e+05 / 51
p0 422.4 ± 0.5009
12000
10000
8000
6000
4000
2000
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 5
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6


cor_asym_usl_atl2_avg_mean vs run
×10^3
χ² / ndf 41.58 / 50
p0 1.054e+04 ± 2.443e+04
pull
Entries 51
Mean −143.5
Std Dev 0


pull1D
Entries 51
Mean 0.01248
Std Dev 0.9028


cor_asym_usl_atl2_avg_rms vs run
×10^3
800
700
600
500
400
300
200
100
χ² / ndf 3.161e+05 / 51
p0 1.456e+04 ± 17.27
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 1
8553. 2
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 5
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6


asym_usl_atl2_avg_cor_correction_mean vs run
×10^3
χ² / ndf 87.65 / 51
p0 −414.7 ± 708.4
150
100
50
0
−50
−100
pull
Entries 52
Mean 26.4
Std Dev 14.39
pull1D
Entries 52
Mean −0.1977
Std Dev 1.283


asym_usl_atl2_avg_cor_correction_rms vs run
χ² / ndf 3.155e+05 / 51
p0 422.4 ± 0.5009
12000
10000
8000
6000
4000
2000
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 0
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 1
8553. 2
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 3
8554. 4
8554. 5
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 0
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
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8557. 4
8557. 5
8558. 0
8558. 1
8558. 2
8558. 3
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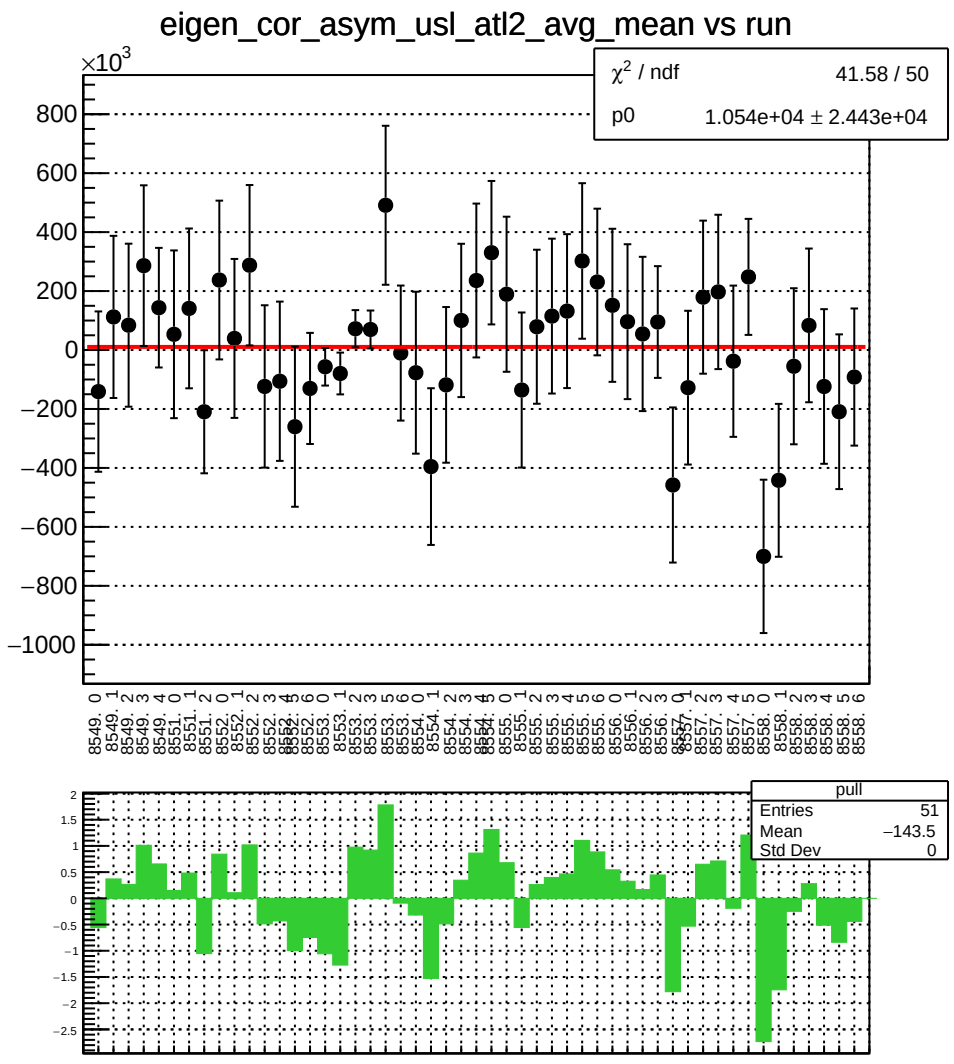
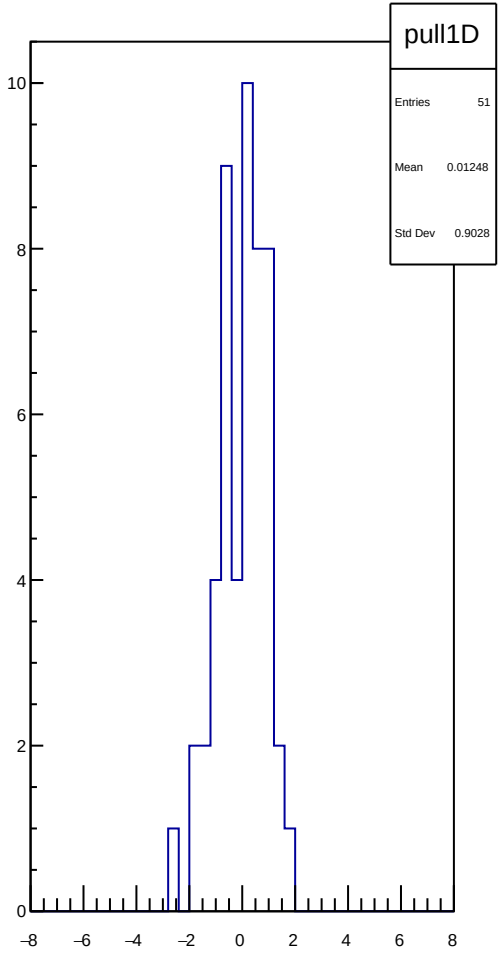
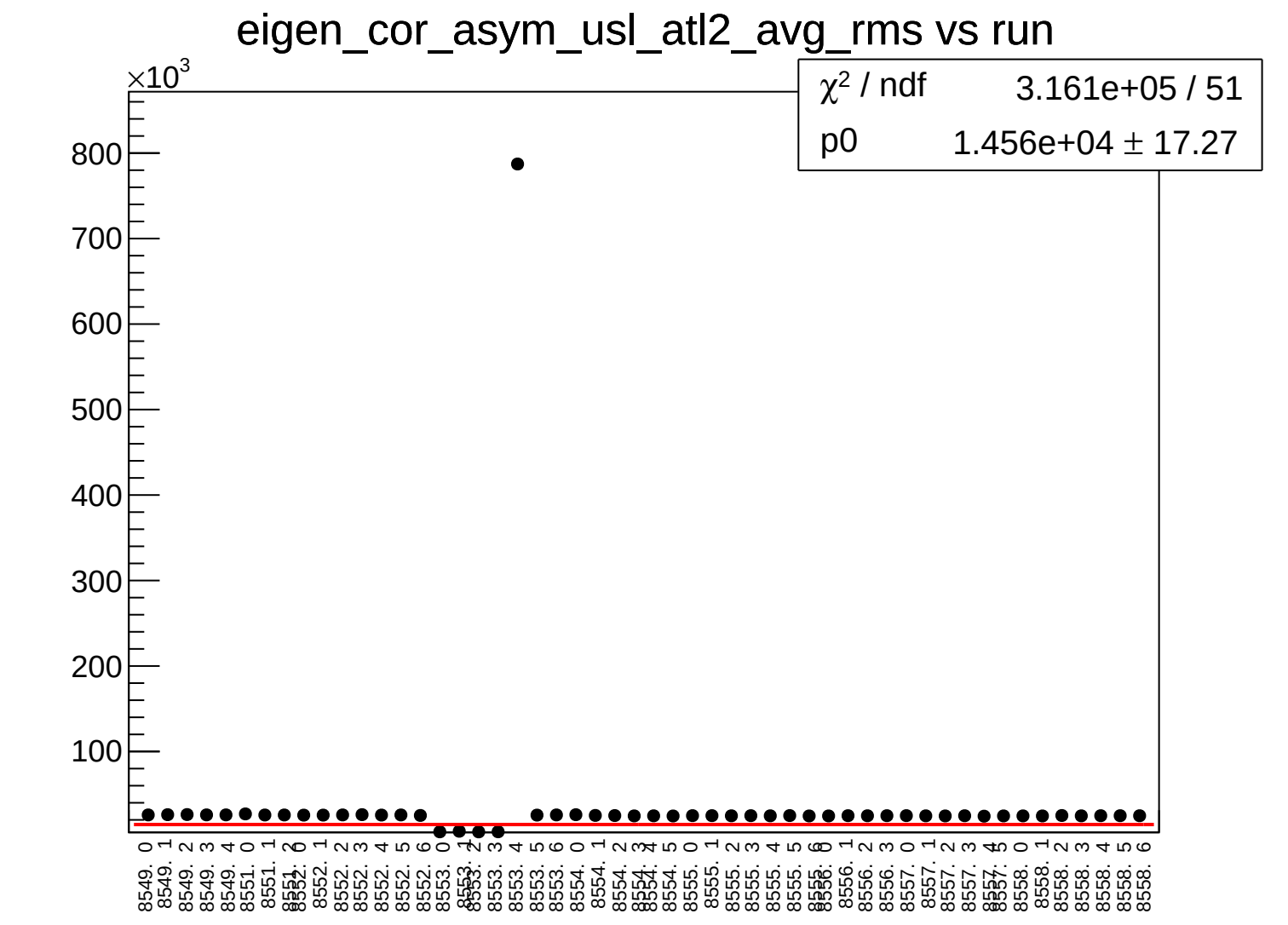
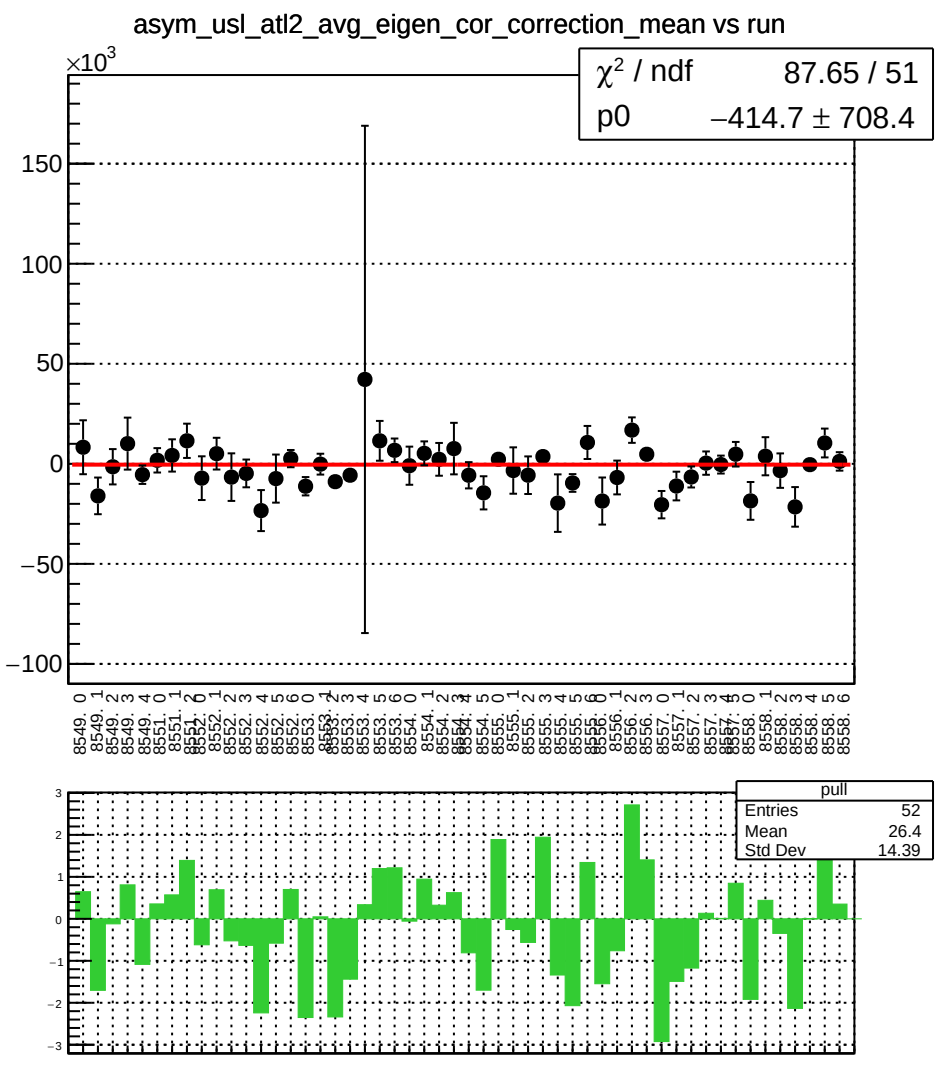
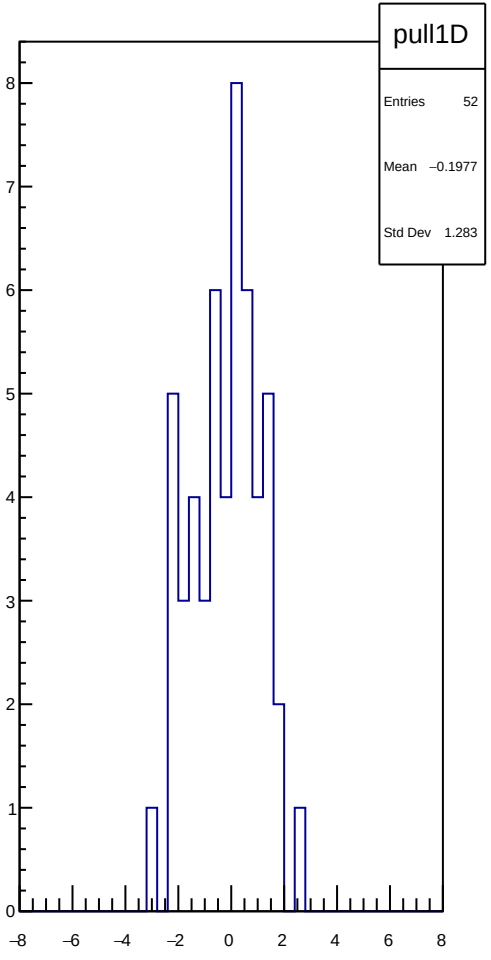
8558. 5
8558. 6

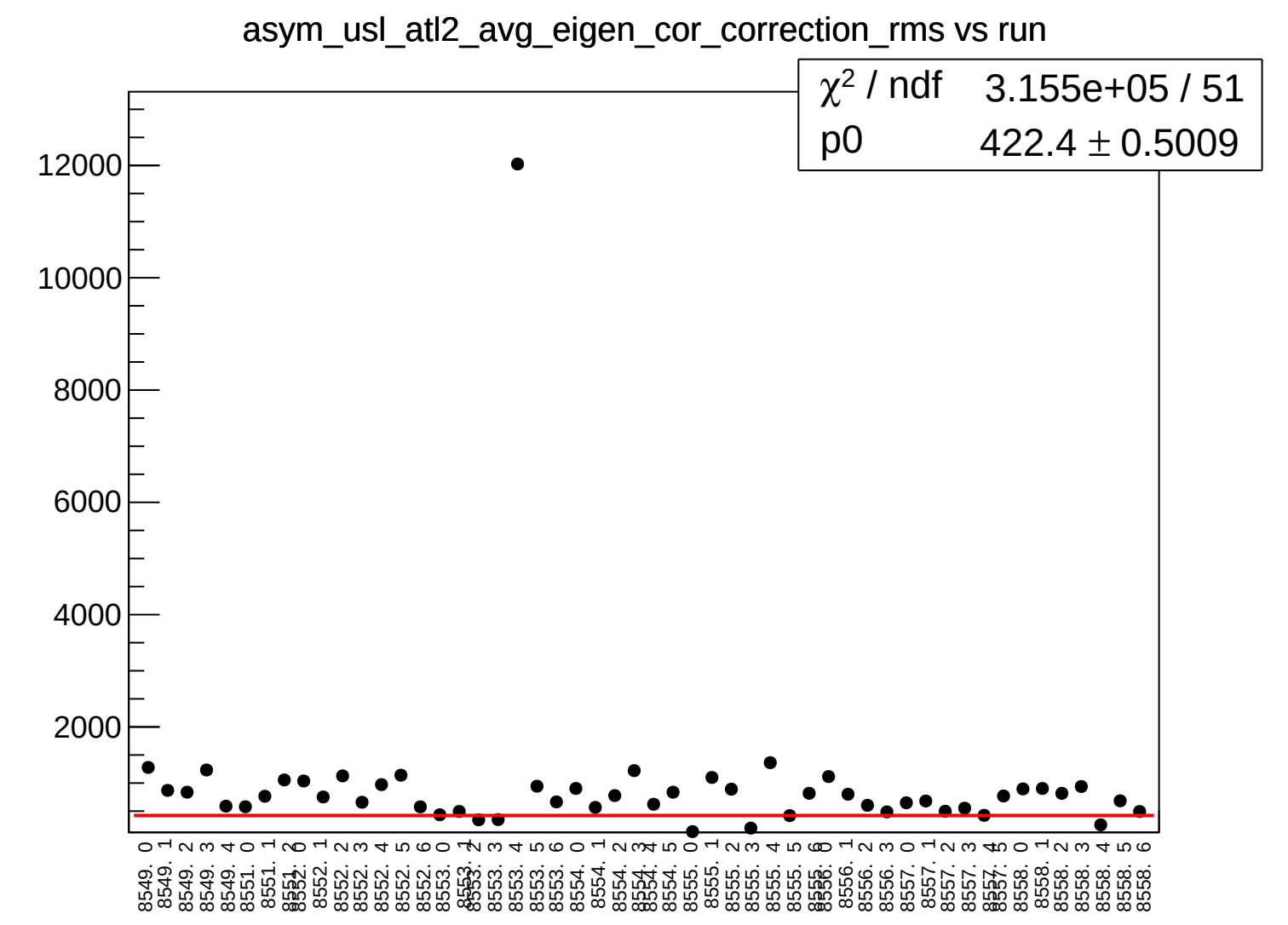

eigen_cor_asym_usl_atl2_avg_mean vs run
×10^3
χ² / ndf 41.58 / 50
p0 1.054e+04 ± 2.443e+04
pull
Entries 51
Mean −143.5
Std Dev 0

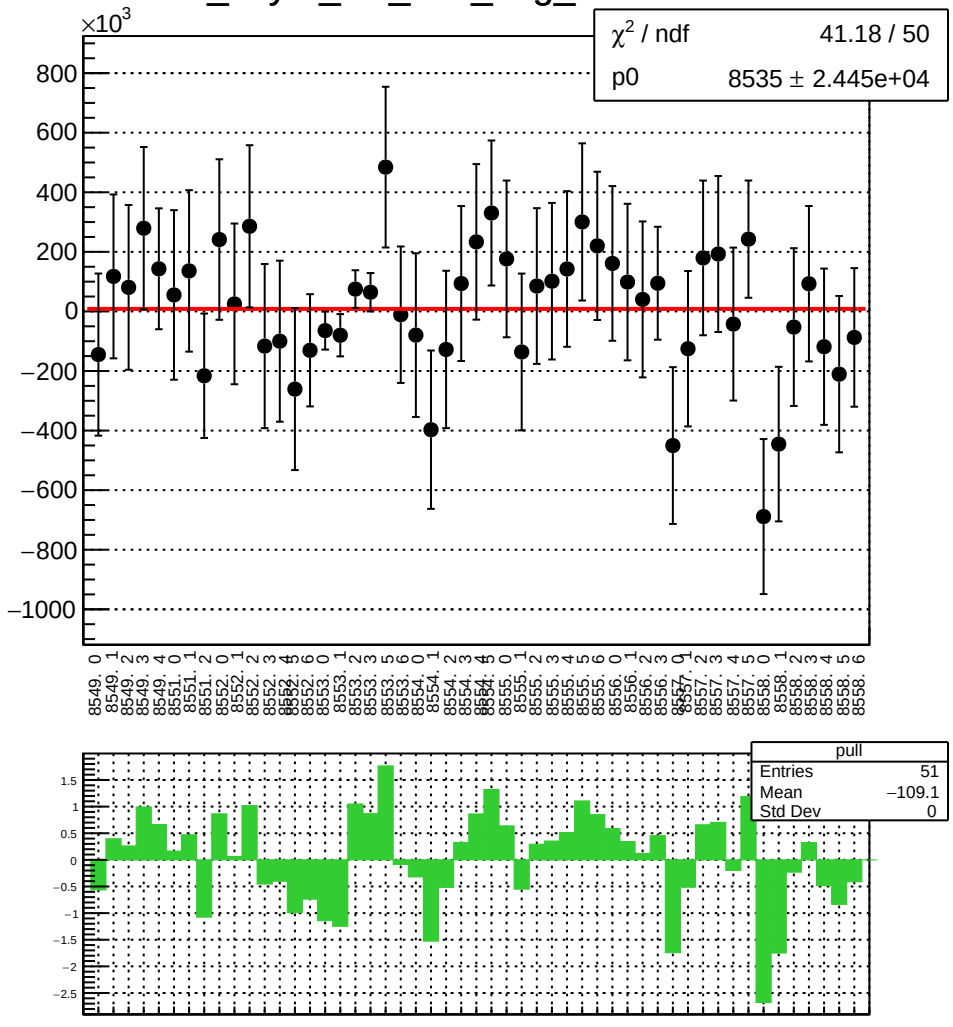

pull1D
Entries 51
Mean 0.01248
Std Dev 0.9028

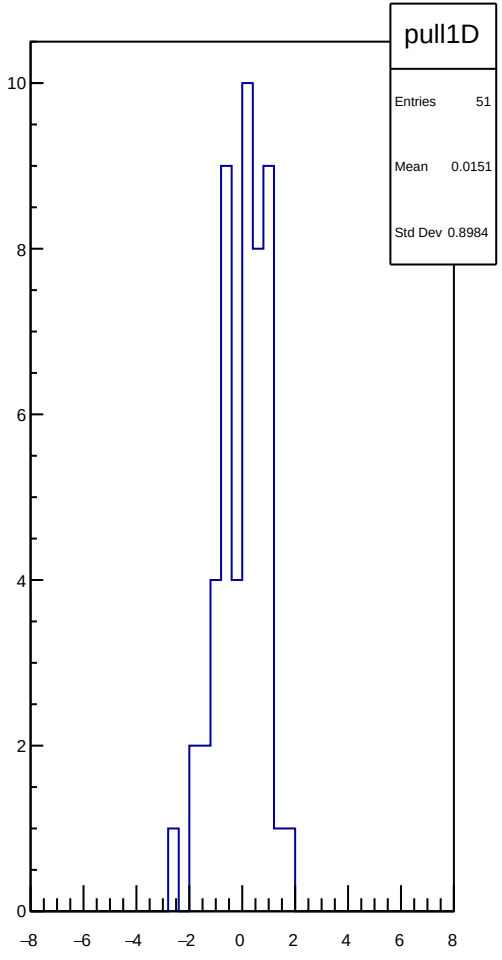

eigen_cor_asym_usl_atl2_avg_rms vs run
×10^3
800
700
600
500
400
300
200
100
χ² / ndf 3.161e+05 / 51
p0 1.456e+04 ± 17.27
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

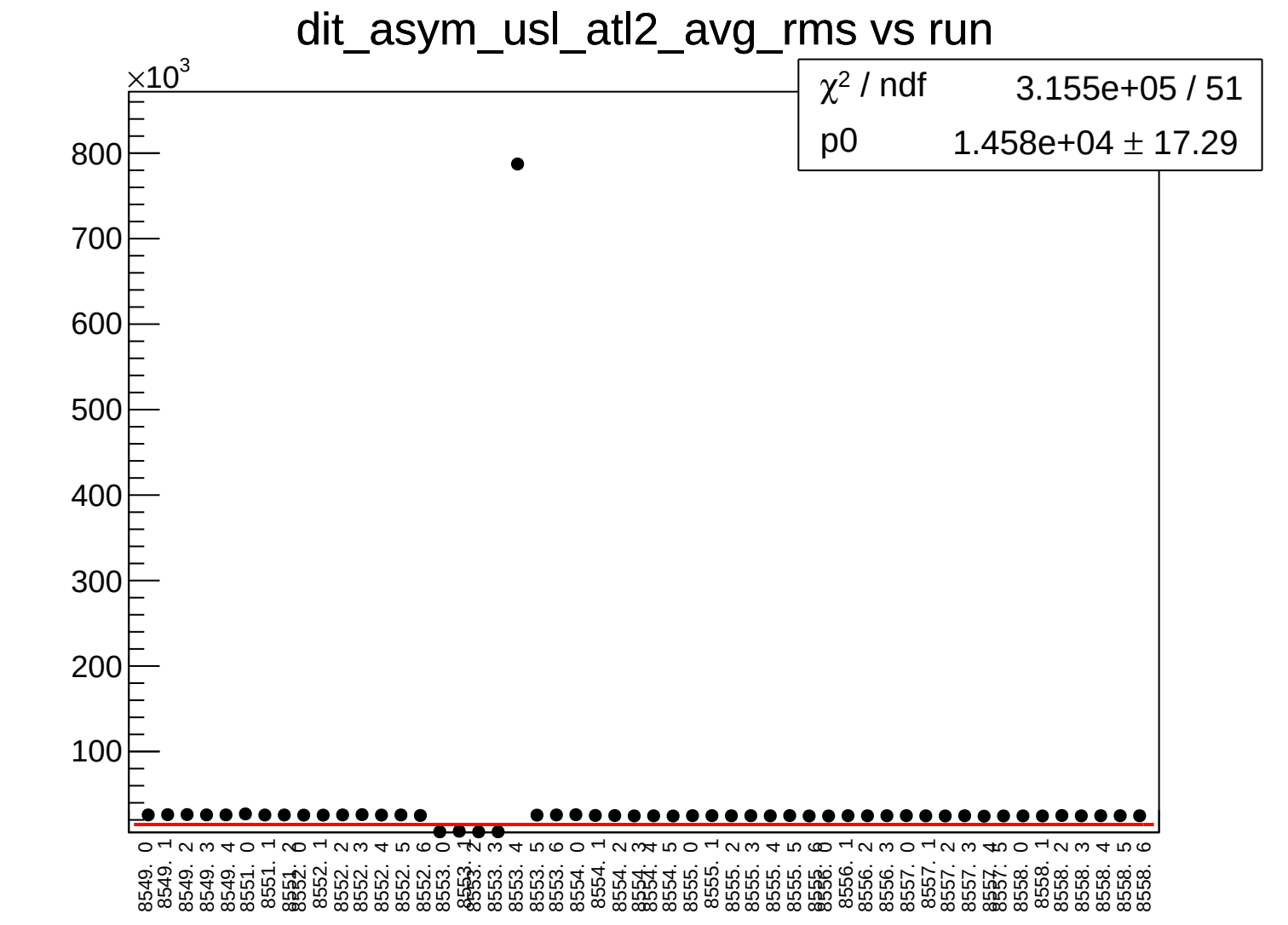

asym_usl_atl2_avg_eigen_cor_correction_mean vs run
×10^3
χ² / ndf 87.65 / 51
p0 −414.7 ± 708.4
150
100
50
0
−50
−100
pull
Entries 52
Mean 26.4
Std Dev 14.39
3
2
1
0
−1
−2
−3

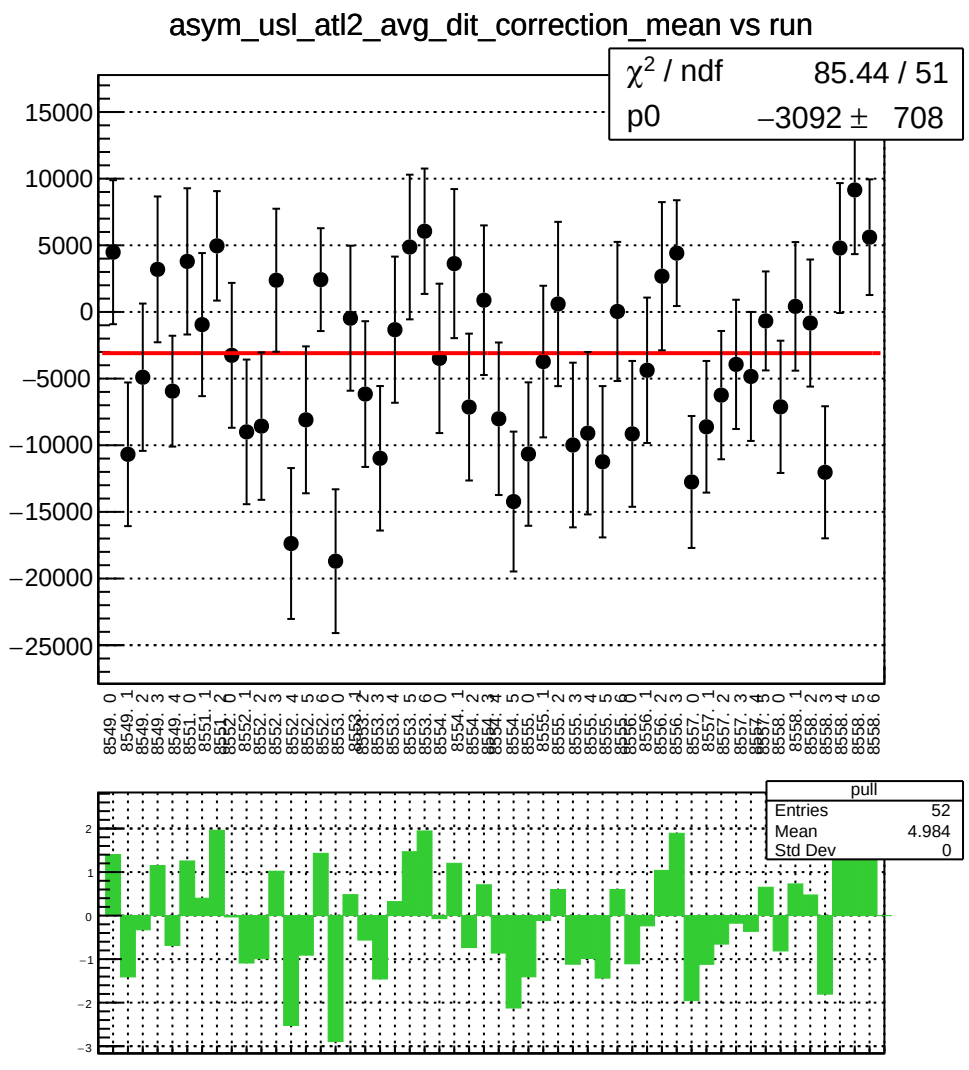

pull1D
Entries 52
Mean −0.1977
Std Dev 1.283
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

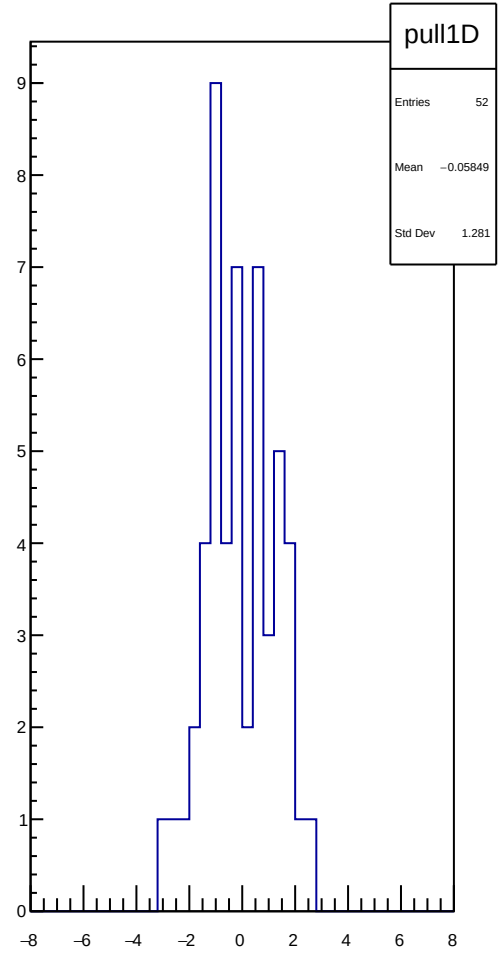

asym_usl_atl2_avg_eigen_cor_correction_rms vs run
χ² / ndf 3.155e+05 / 51
p0 422.4 ± 0.5009
12000
10000
8000
6000
4000
2000
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 0
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 5
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

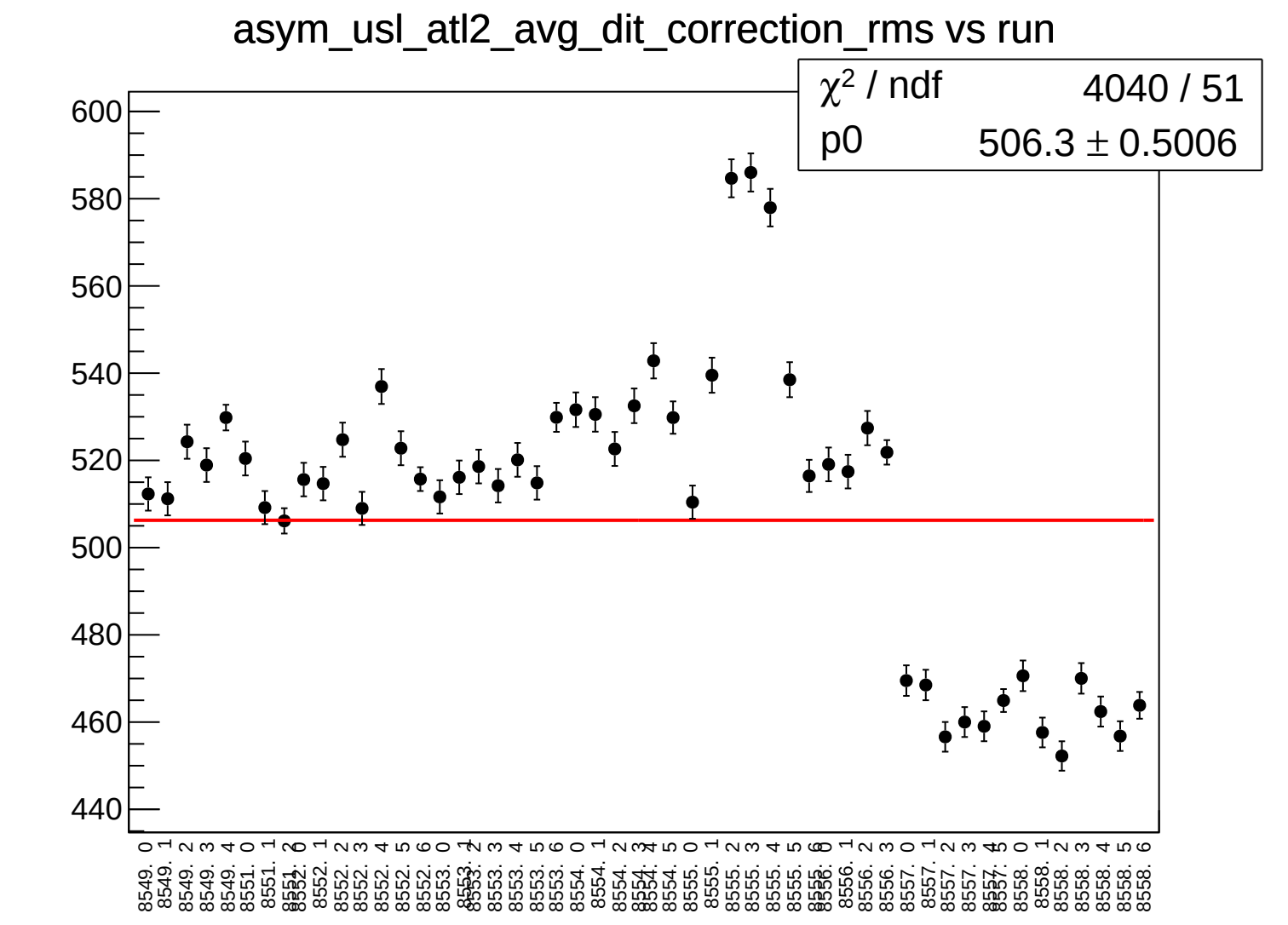

dit_asym_usl_atl2_avg_mean vs run
χ² / ndf 41.18 / 50
p0 8535 ± 2.445e+04
×10³
pull
Entries 51
Mean −109.1
Std Dev 0


pull1D
Entries 51
Mean 0.0151
Std Dev 0.8984


dit_asym_usl_atl2_avg_rms vs run
×10^3
800
700
600
500
400
300
200
100
χ² / ndf 3.155e+05 / 51
p0 1.458e+04 ± 17.29
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6


asym_usl_atl2_avg_dit_correction_mean vs run
χ² / ndf 85.44 / 51
p0 −3092 ± 708
pull
Entries 52
Mean 4.984
Std Dev 0


pull1D
Entries 52
Mean −0.05849
Std Dev 1.281


asym_usl_atl2_avg_dit_correction_rms vs run
χ² / ndf 4040 / 51
p0 506.3 ± 0.5006
600
580
560
540
520
500
480
460
440
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 5
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
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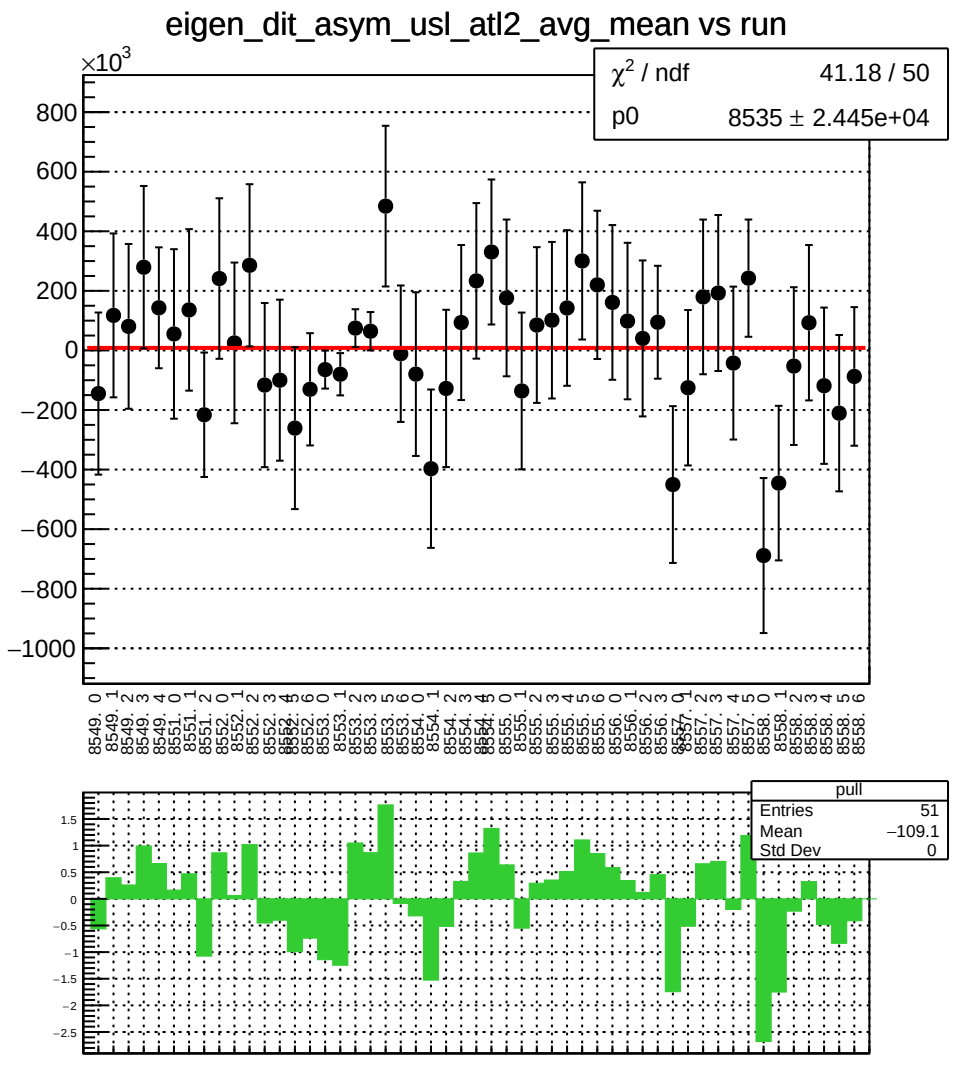
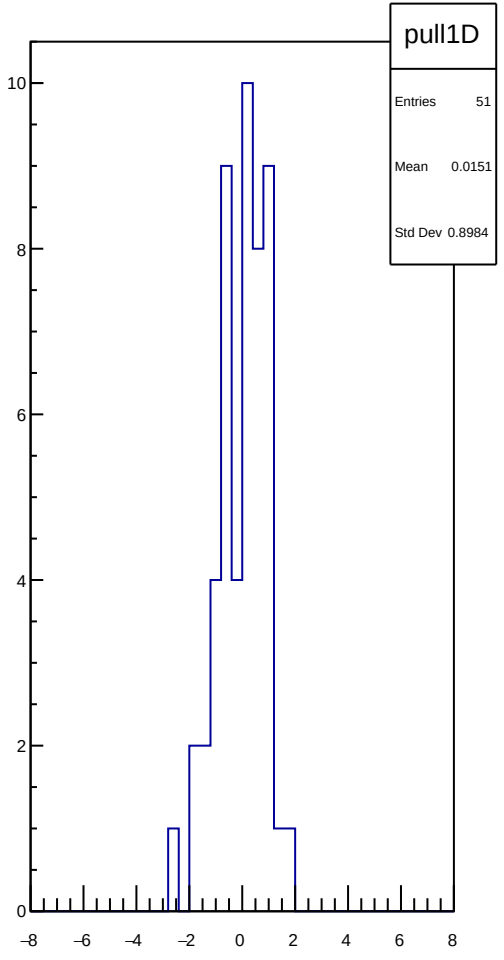
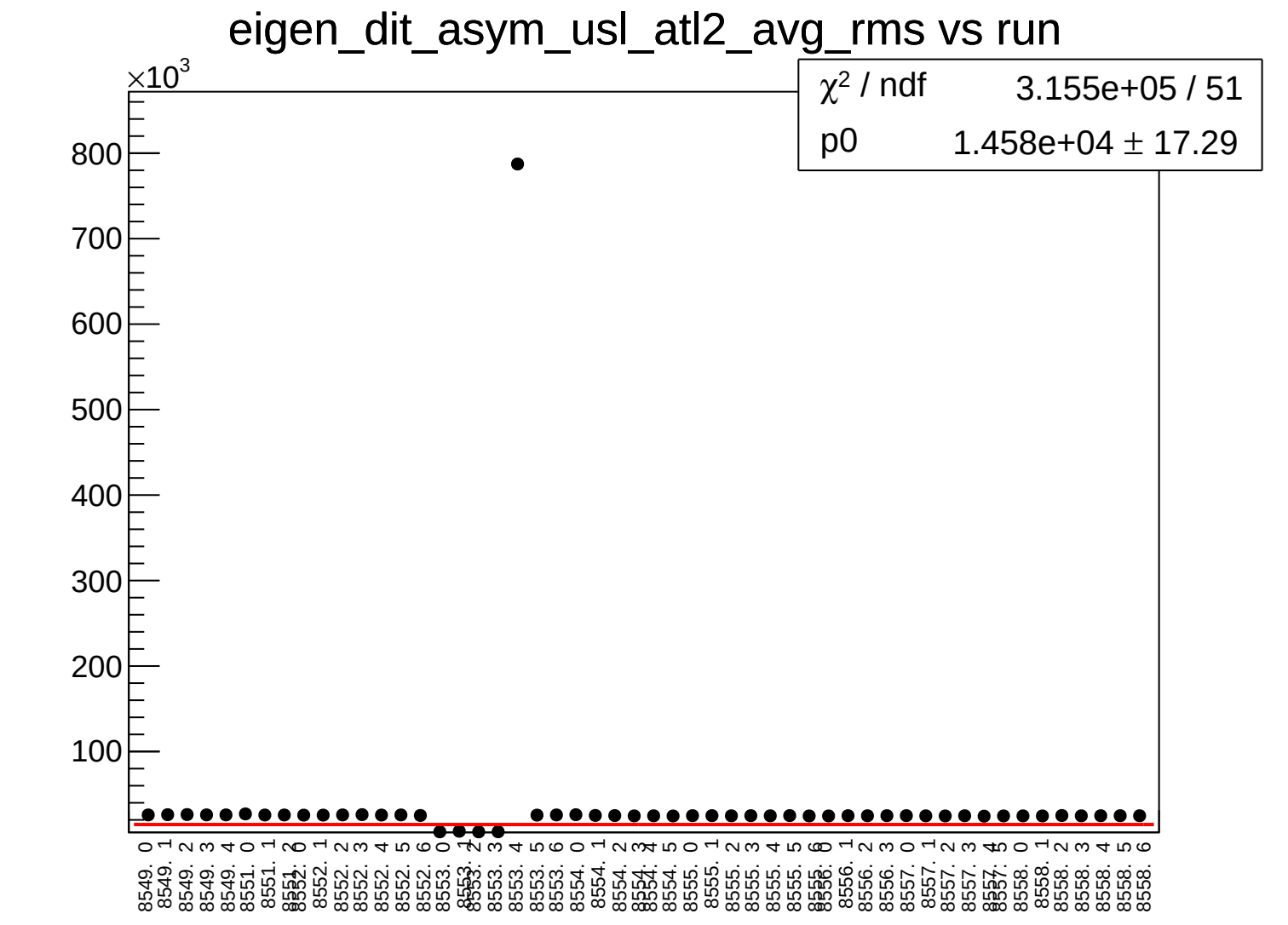
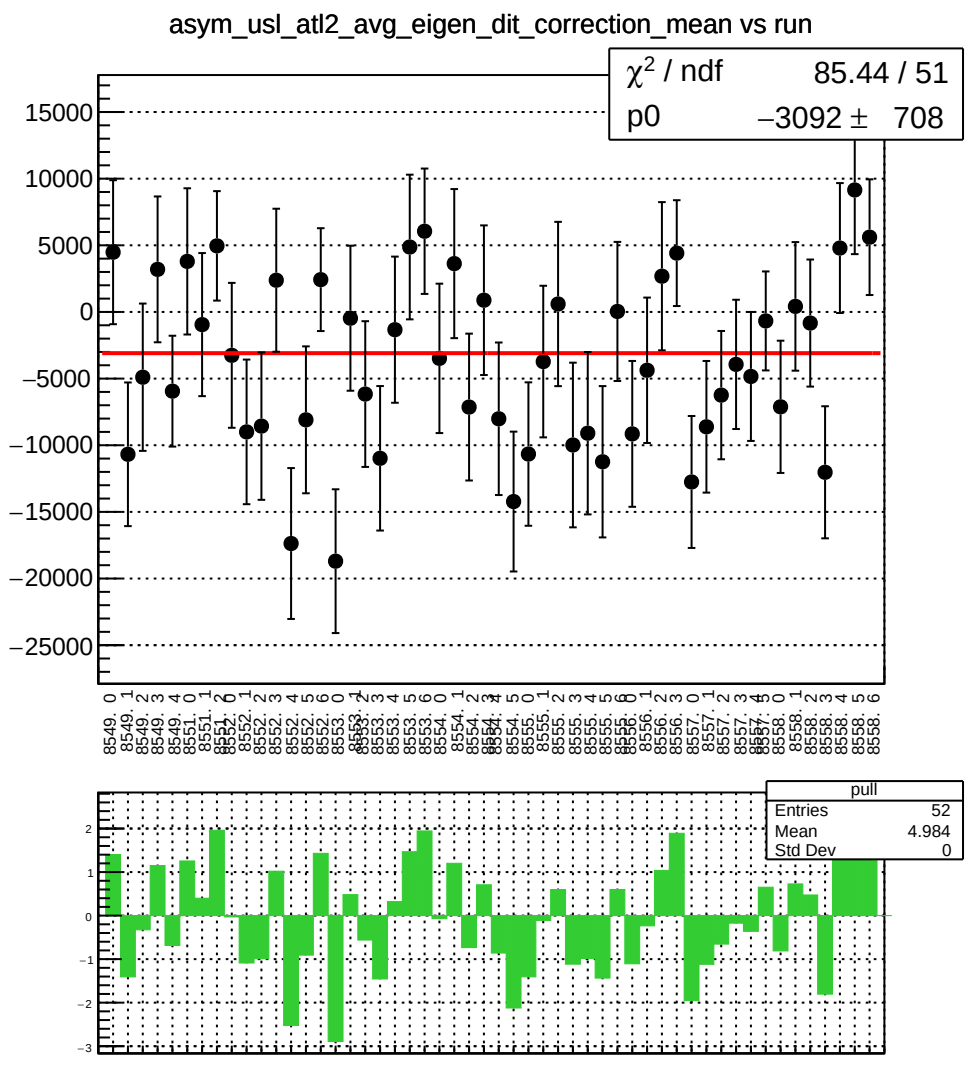
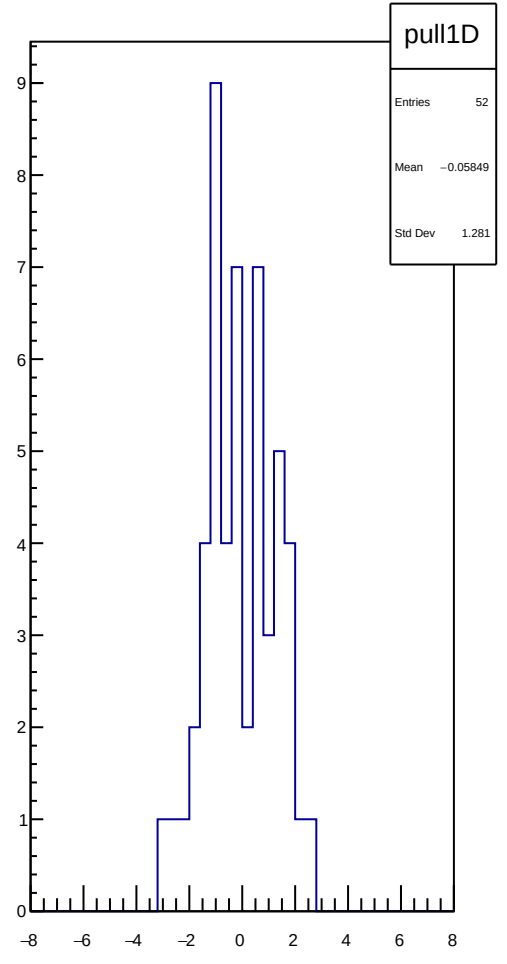
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

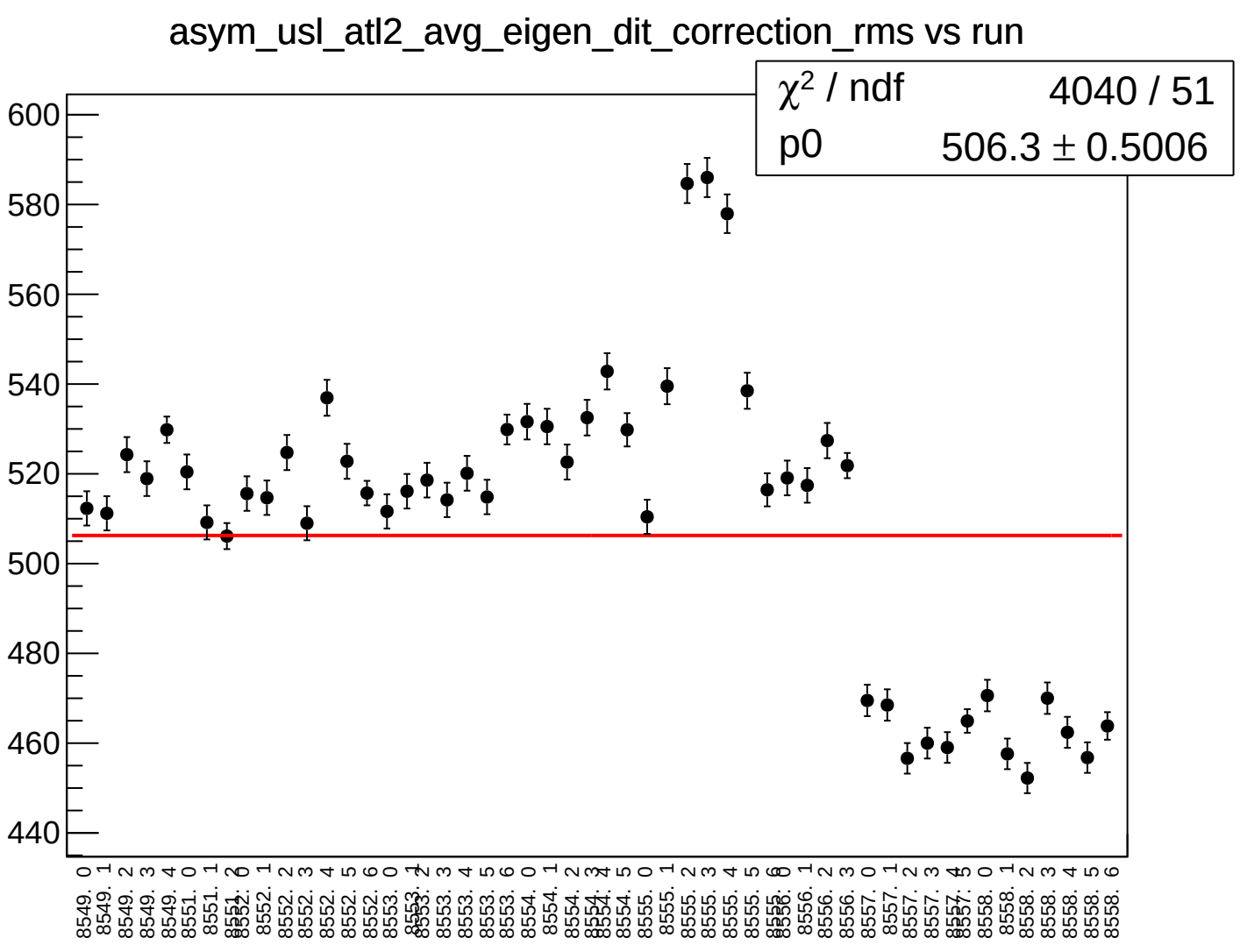

eigen_dit_asym_usl_atl2_avg_mean vs run
χ^2 / ndf 41.18 / 50
p0 8535 ± 2.445e+04
×10^3
pull
Entries 51
Mean −109.1
Std Dev 0

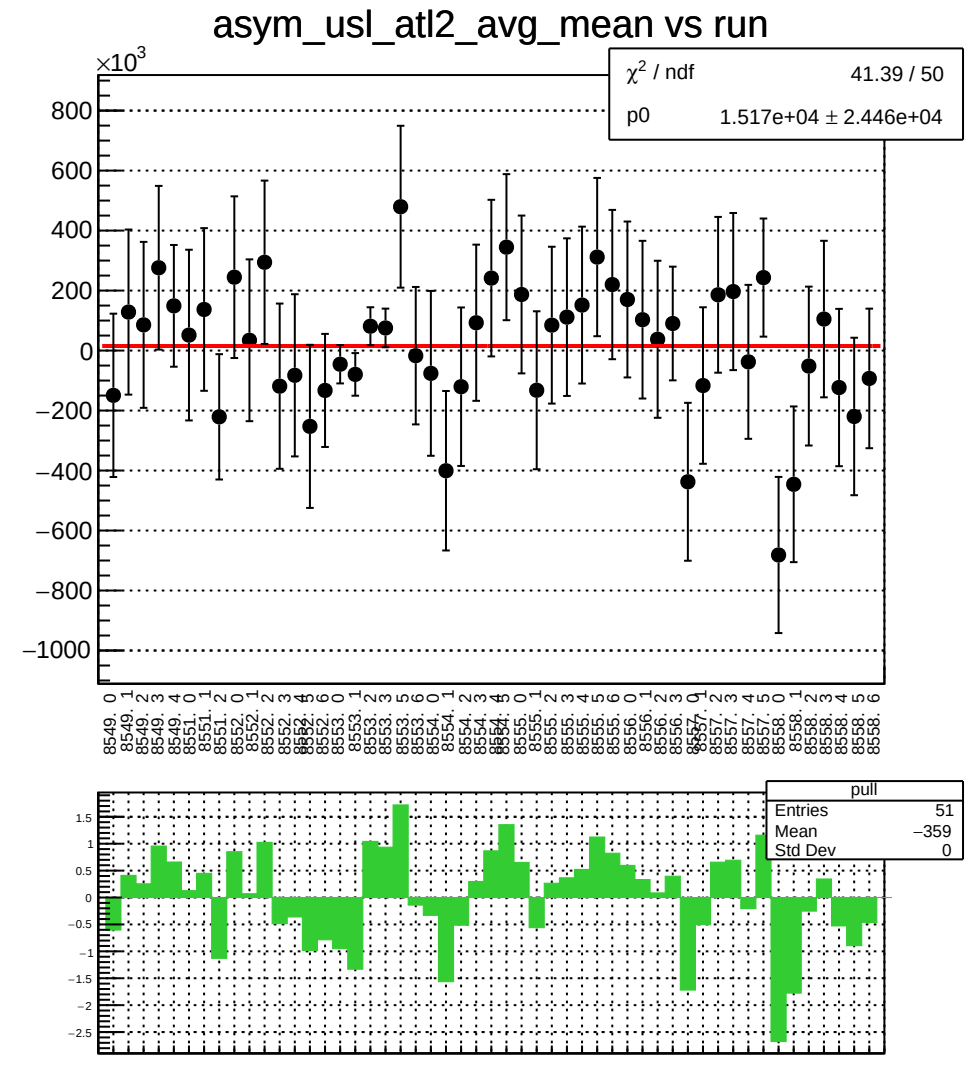

pull1D
Entries 51
Mean 0.0151
Std Dev 0.8984

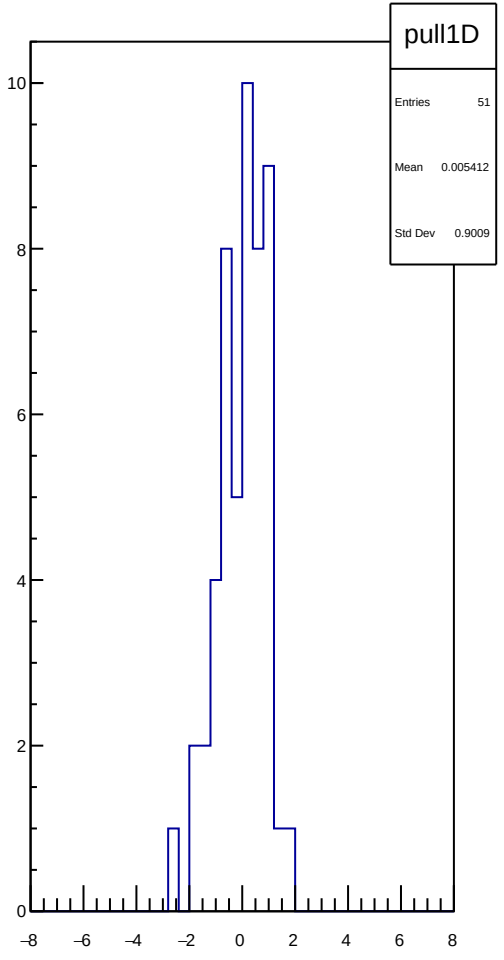

eigen_dit_asym_usl_atl2_avg_rms vs run
χ² / ndf 3.155e+05 / 51
p0 1.458e+04 ± 17.29
×10³
800
700
600
500
400
300
200
100
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 5
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

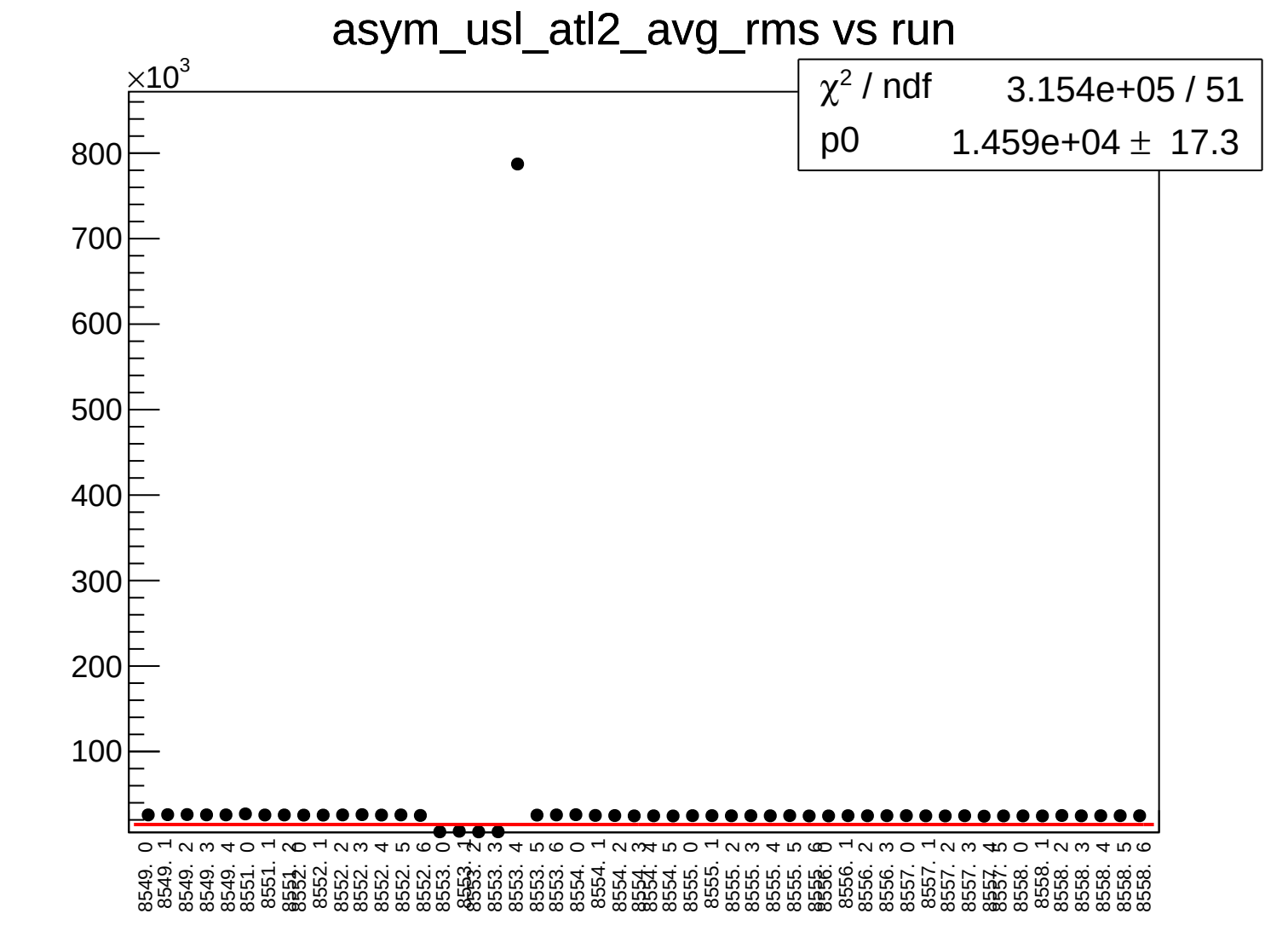

asym_usl_atl2_avg_eigen_dit_correction_mean vs run
χ² / ndf 85.44 / 51
p0 −3092 ± 708
pull
Entries 52
Mean 4.984
Std Dev 0

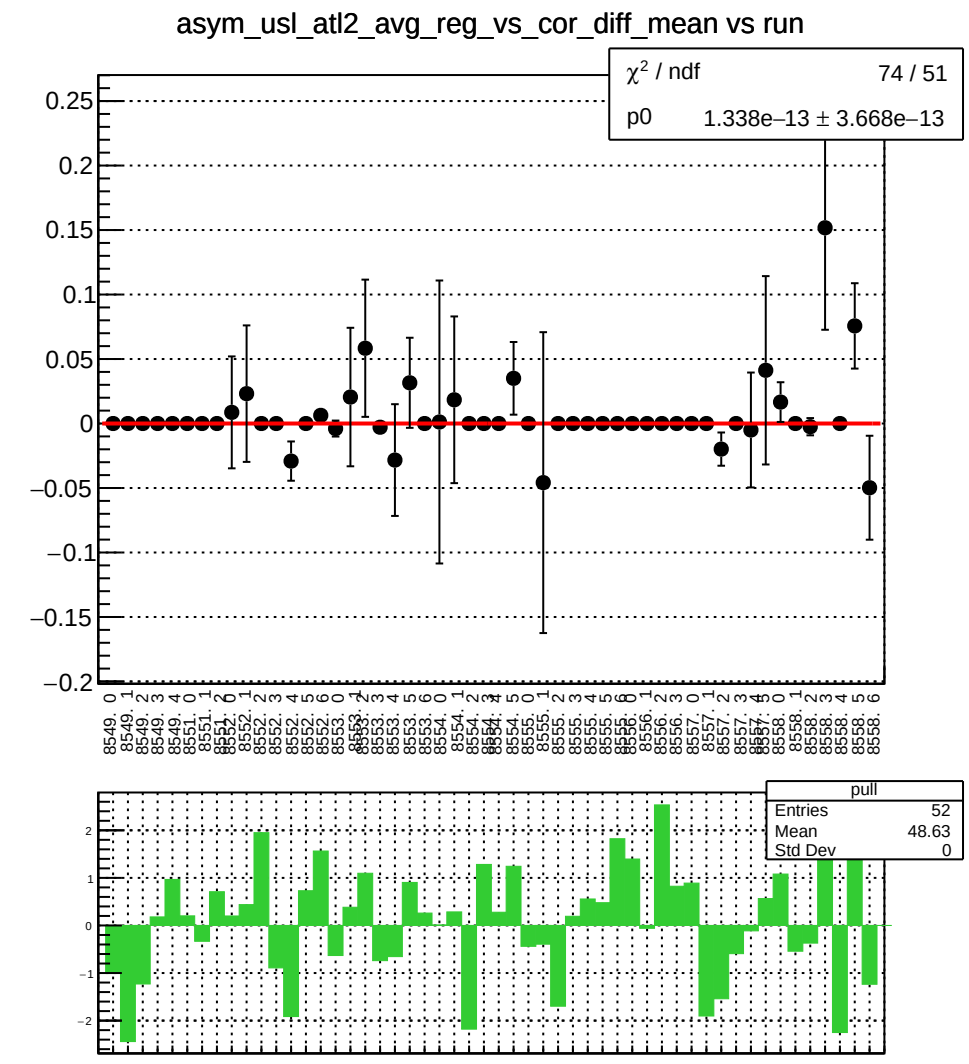

pull1D
Entries 52
Mean −0.05849
Std Dev 1.281

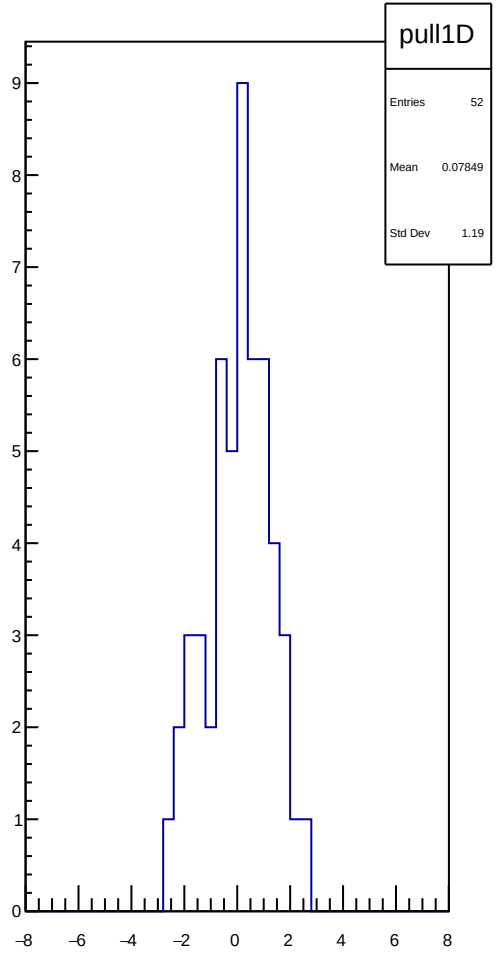

asym_usl_atl2_avg_eigen_dit_correction_rms vs run
χ² / ndf 4040 / 51
p0 506.3 ± 0.5006
600
580
560
540
520
500
480
460
440
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 5
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

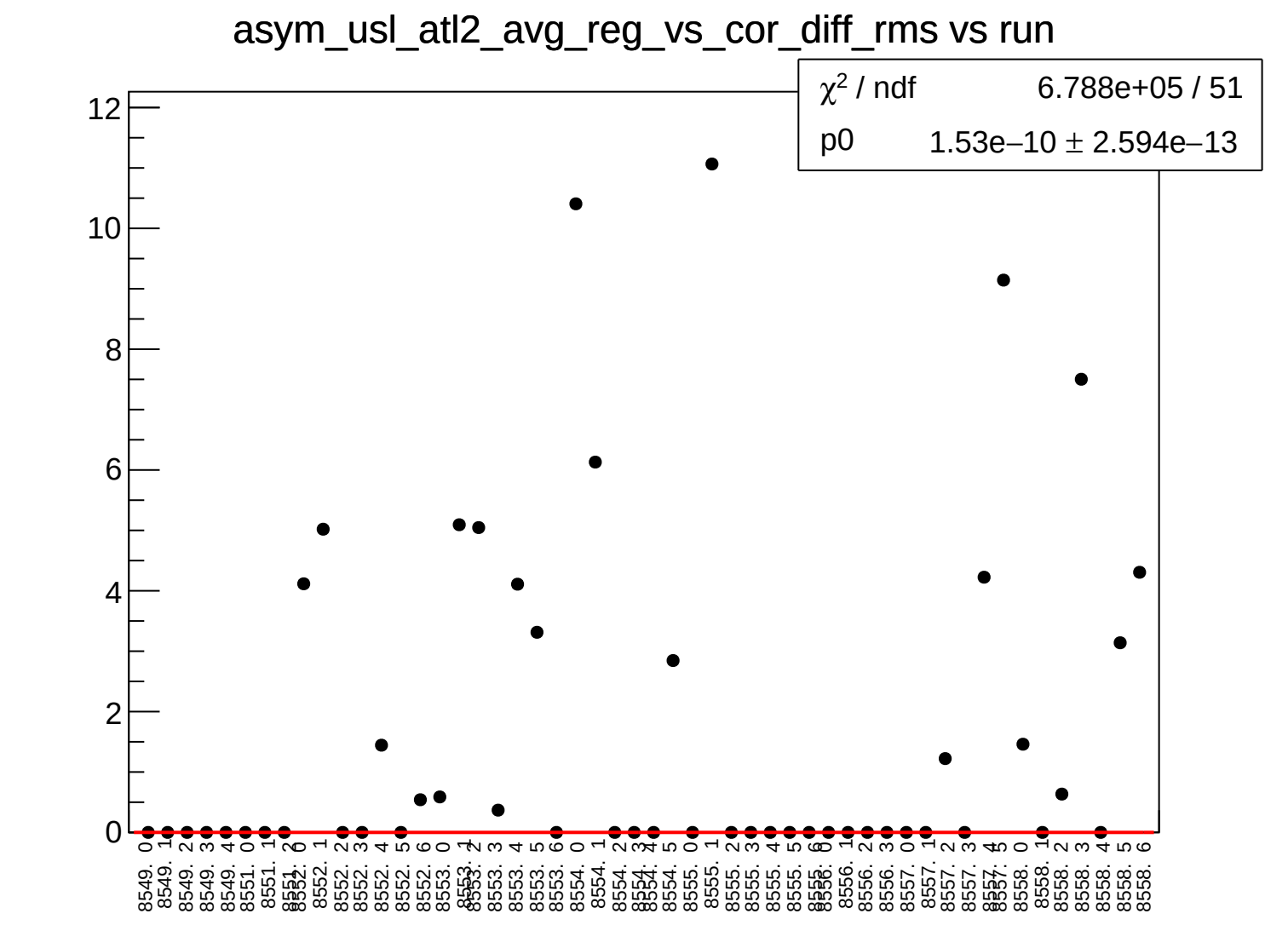

asym_usl_atl2_avg_mean vs run
×10^3
χ² / ndf 41.39 / 50
p0 1.517e+04 ± 2.446e+04
pull
Entries 51
Mean −359
Std Dev 0


pull1D
Entries 51
Mean 0.005412
Std Dev 0.9009


asym_usl_atl2_avg_rms vs run
×10^3
800
700
600
500
400
300
200
100
χ² / ndf 3.154e+05 / 51
p0 1.459e+04 ± 17.3
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6


asym_usl_atl2_avg_reg_vs_cor_diff_mean vs run
χ² / ndf 74 / 51
p0 1.338e−13 ± 3.668e−13
pull
Entries 52
Mean 48.63
Std Dev 0


pull1D
Entries 52
Mean 0.07849
Std Dev 1.19


asym_usl_atl2_avg_reg_vs_cor_diff_rms vs run
χ² / ndf 6.788e+05 / 51
p0 1.53e−10 ± 2.594e−13
12
10
8
6
4
2
0
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 0
8552. 1
8552. 2
8552. 3
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8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
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8557. 5
8558. 0
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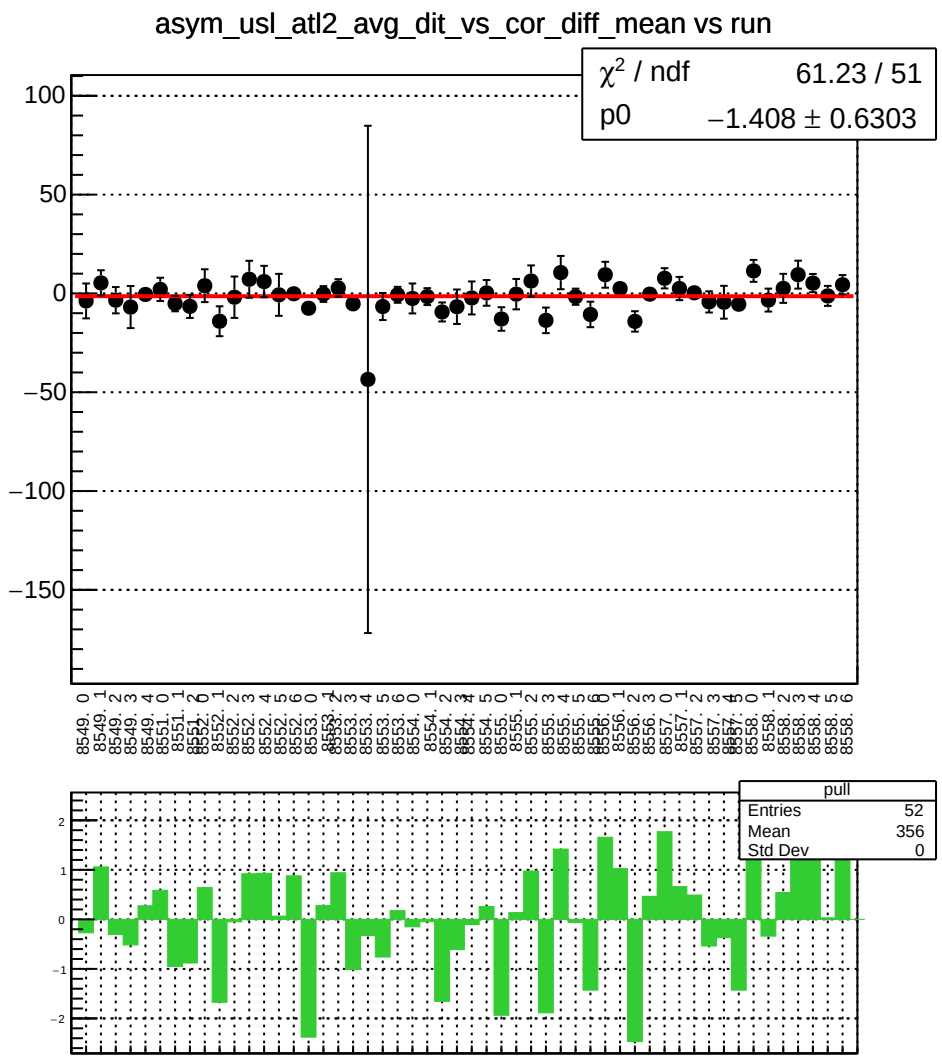
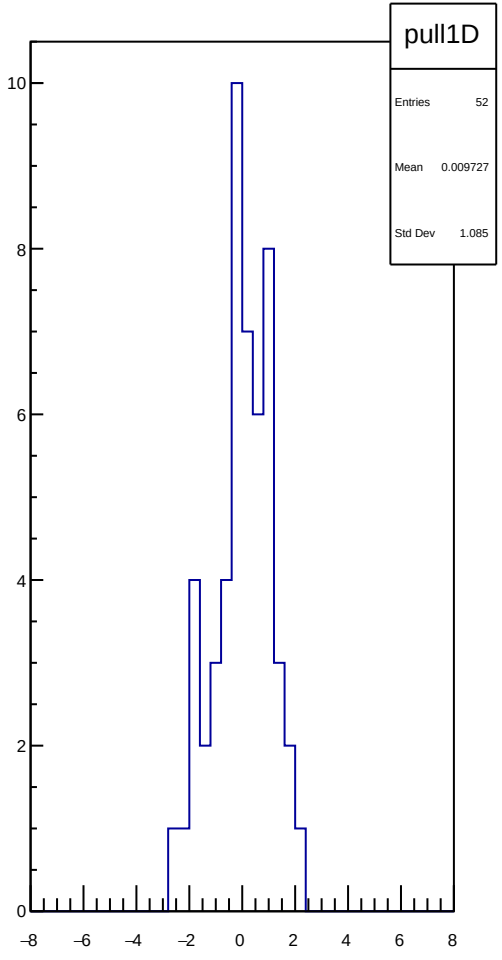
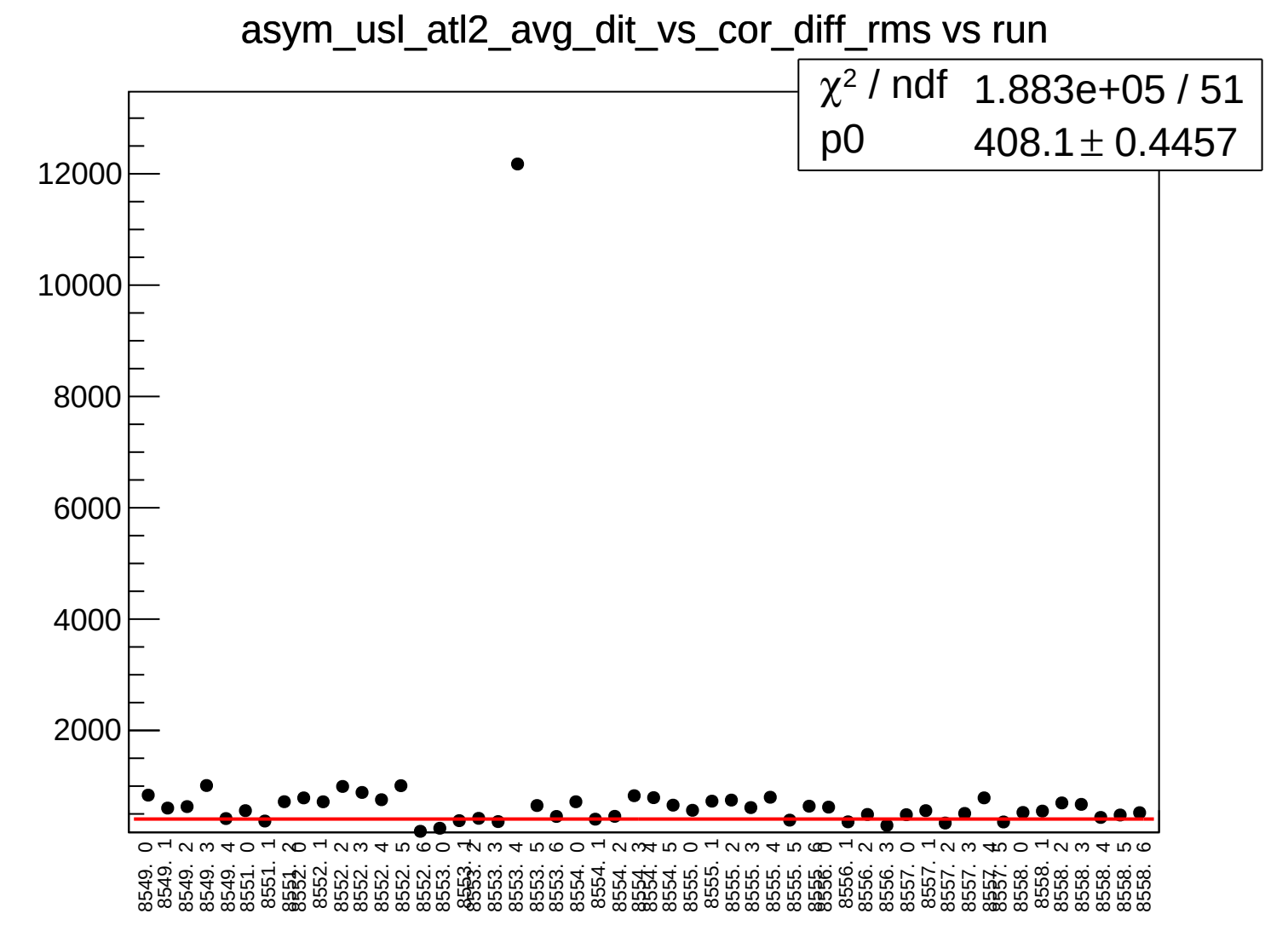
8558. 6


asym_usl_atl2_avg_dit_vs_cor_diff_mean vs run
χ² / ndf 61.23 / 51
p0 −1.408 ± 0.6303
pull
Entries 52
Mean 356
Std Dev 0


pull1D
Entries 52
Mean 0.009727
Std Dev 1.085


asym_usl_atl2_avg_dit_vs_cor_diff_rms vs run
χ² / ndf 1.883e+05 / 51
p0 408.1 ± 0.4457
12000
10000
8000
6000
4000
2000
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
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8557. 3
8558. 0
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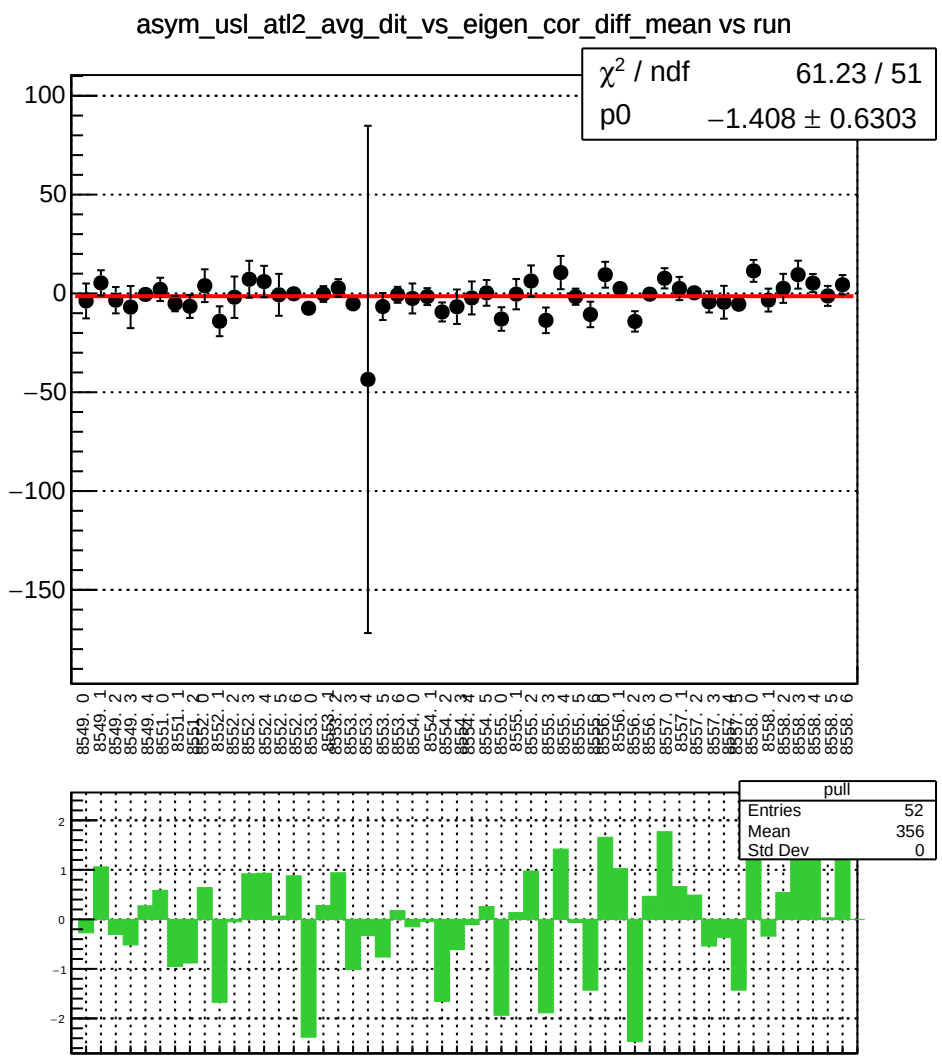
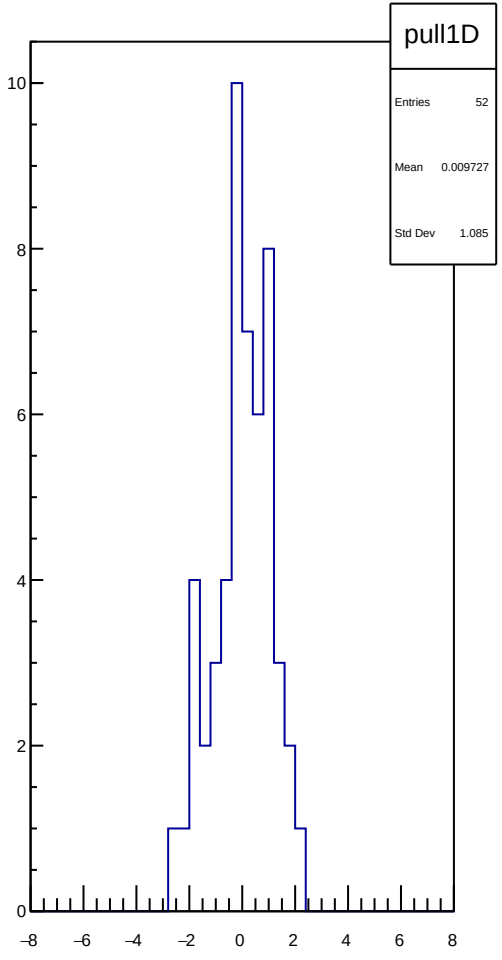
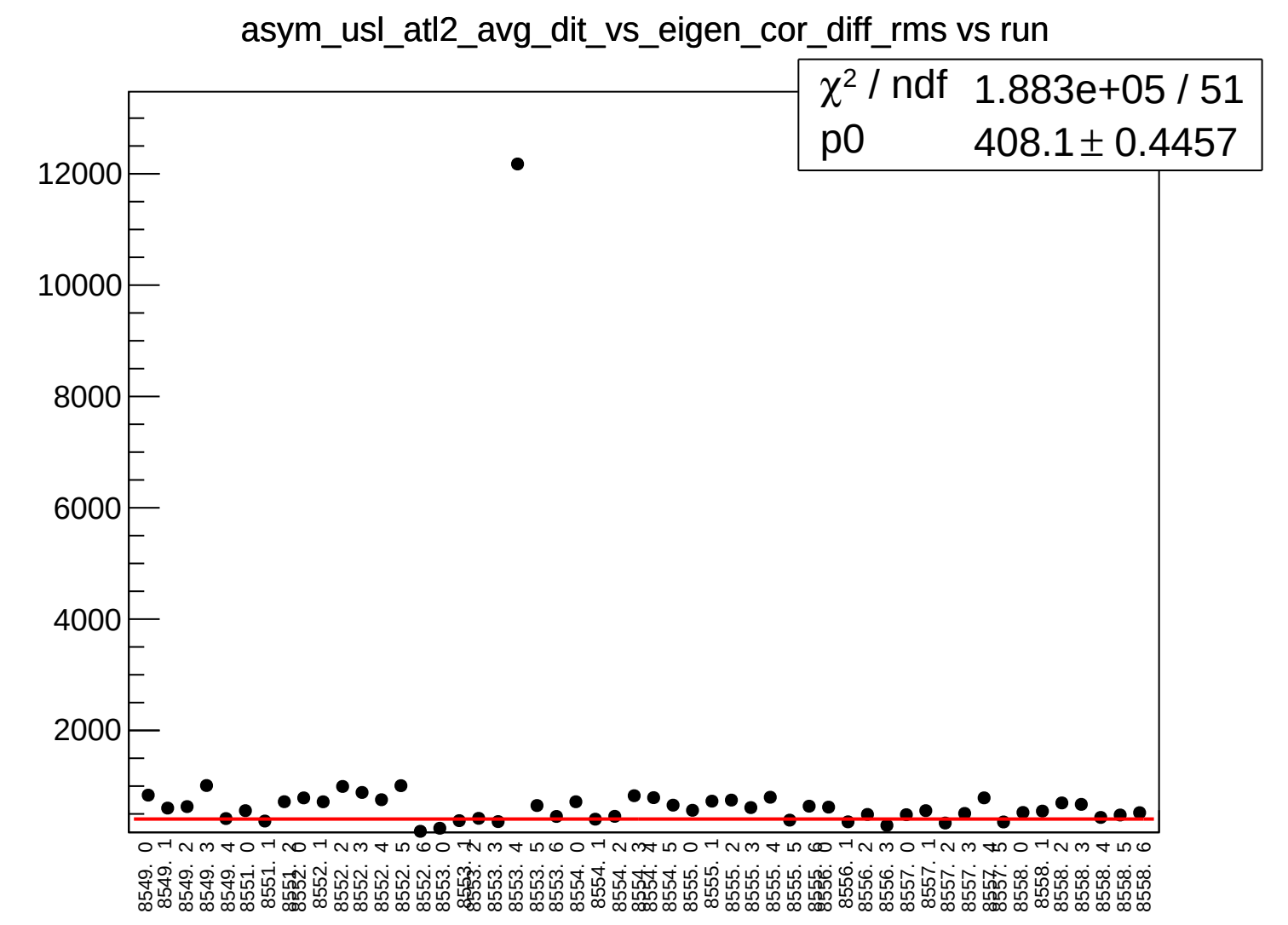
8558. 3
8558. 4
8558. 5
8558. 6


asym_usl_atl2_avg_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 61.23 / 51
p0 −1.408 ± 0.6303
pull
Entries 52
Mean 356
Std Dev 0


pull1D
Entries 52
Mean 0.009727
Std Dev 1.085


asym_usl_atl2_avg_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.883e+05 / 51
p0 408.1 ± 0.4457
12000
10000
8000
6000
4000
2000
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
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8554. 0
8554. 1
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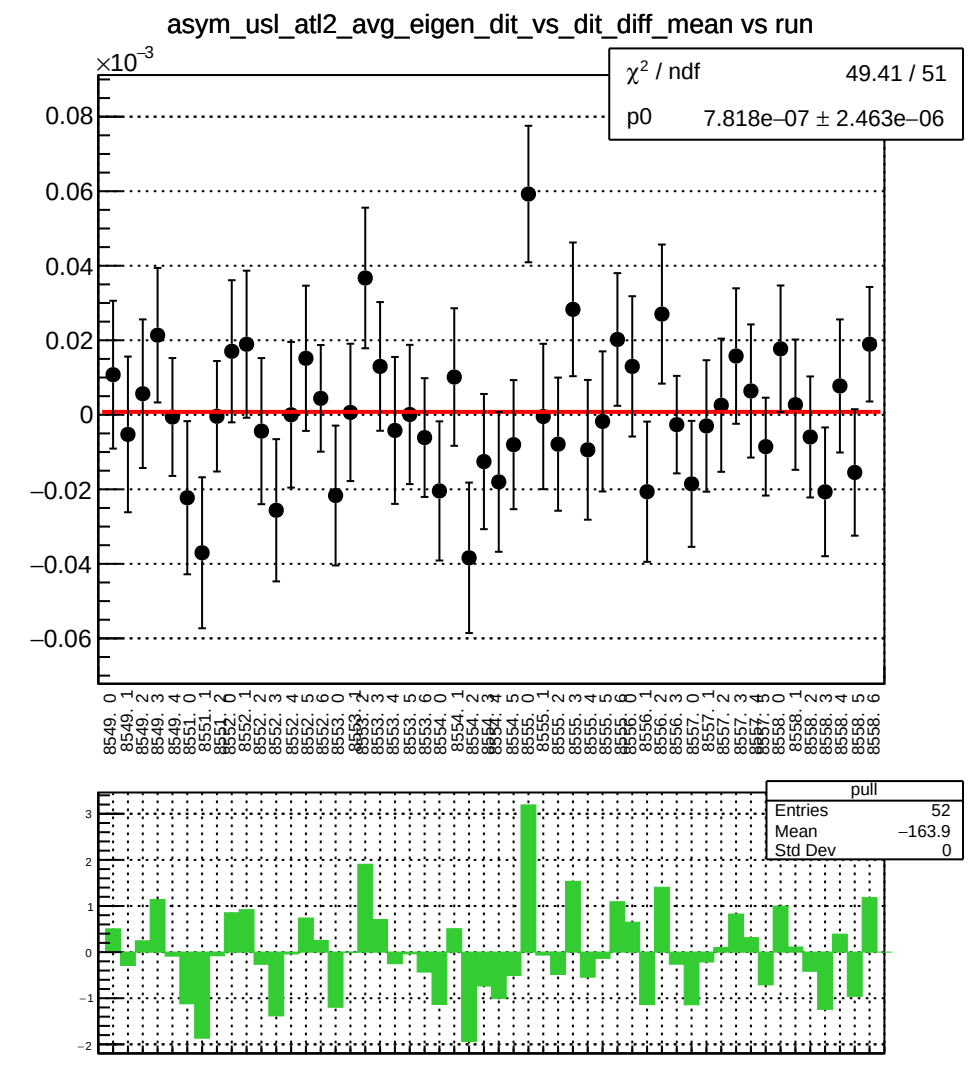
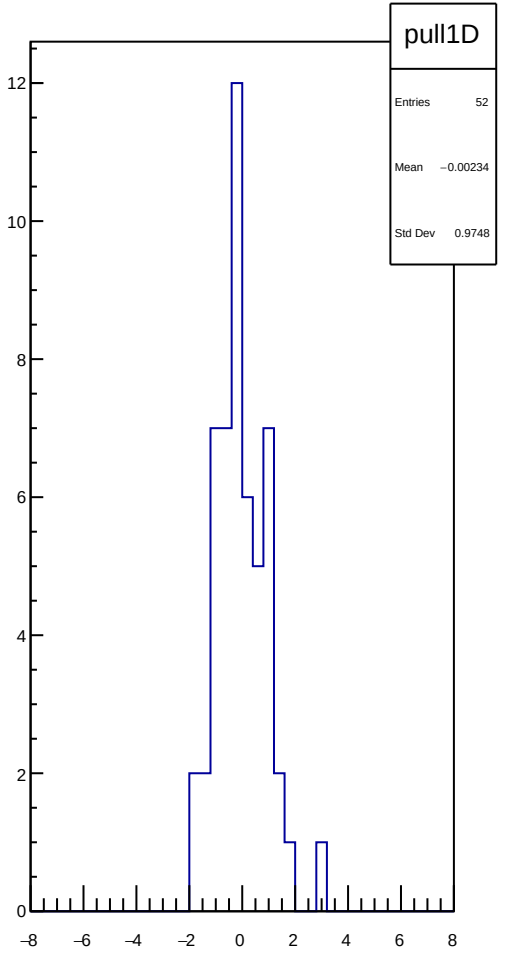
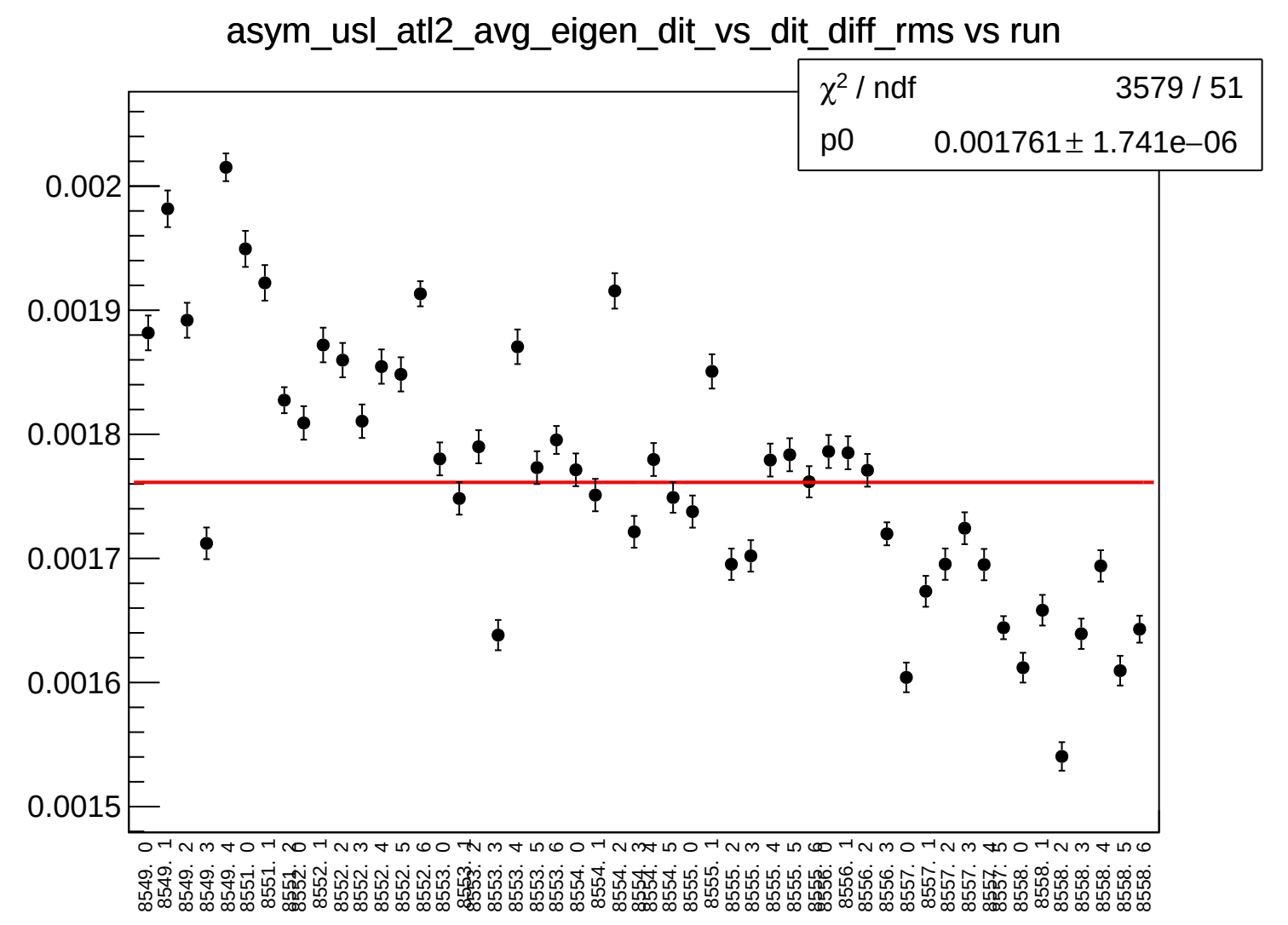
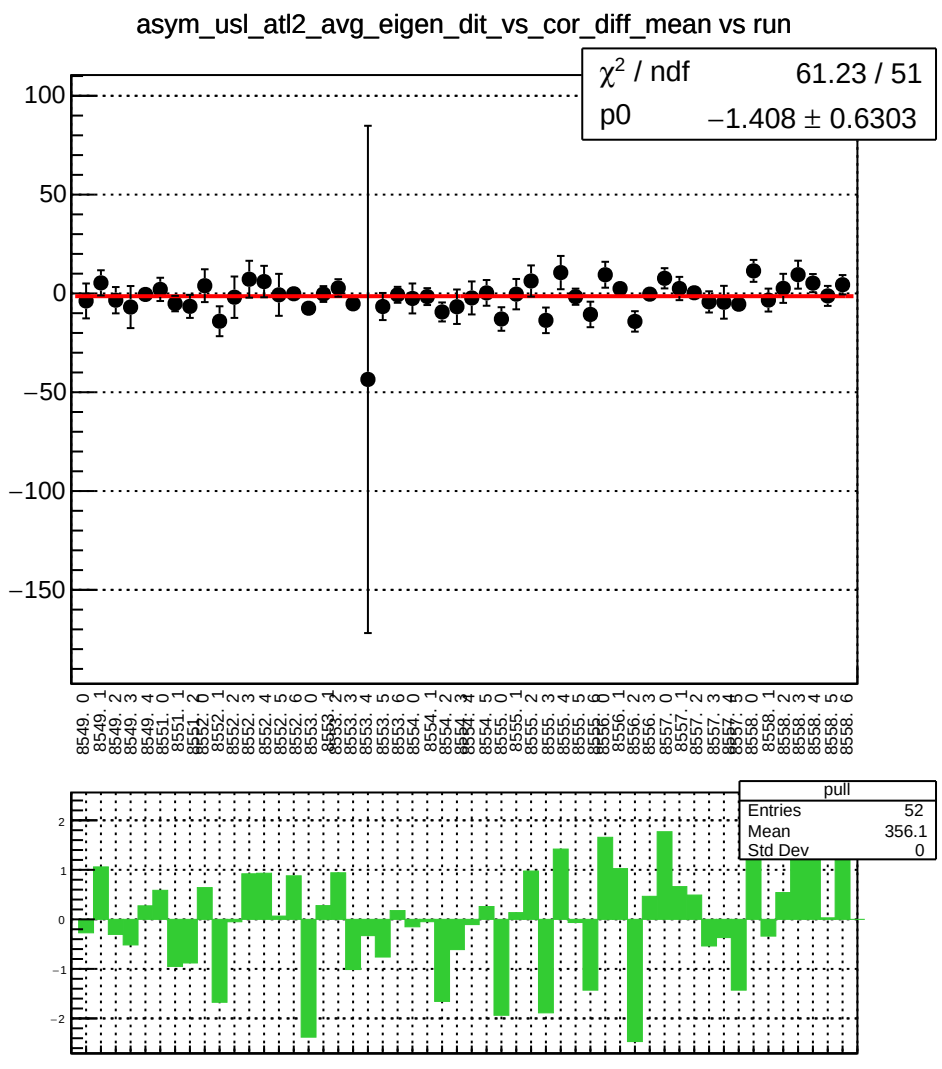
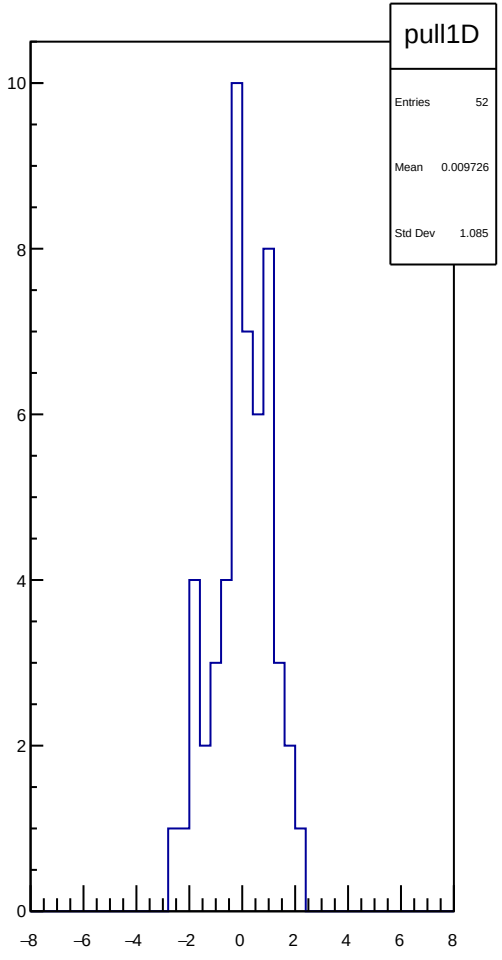
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

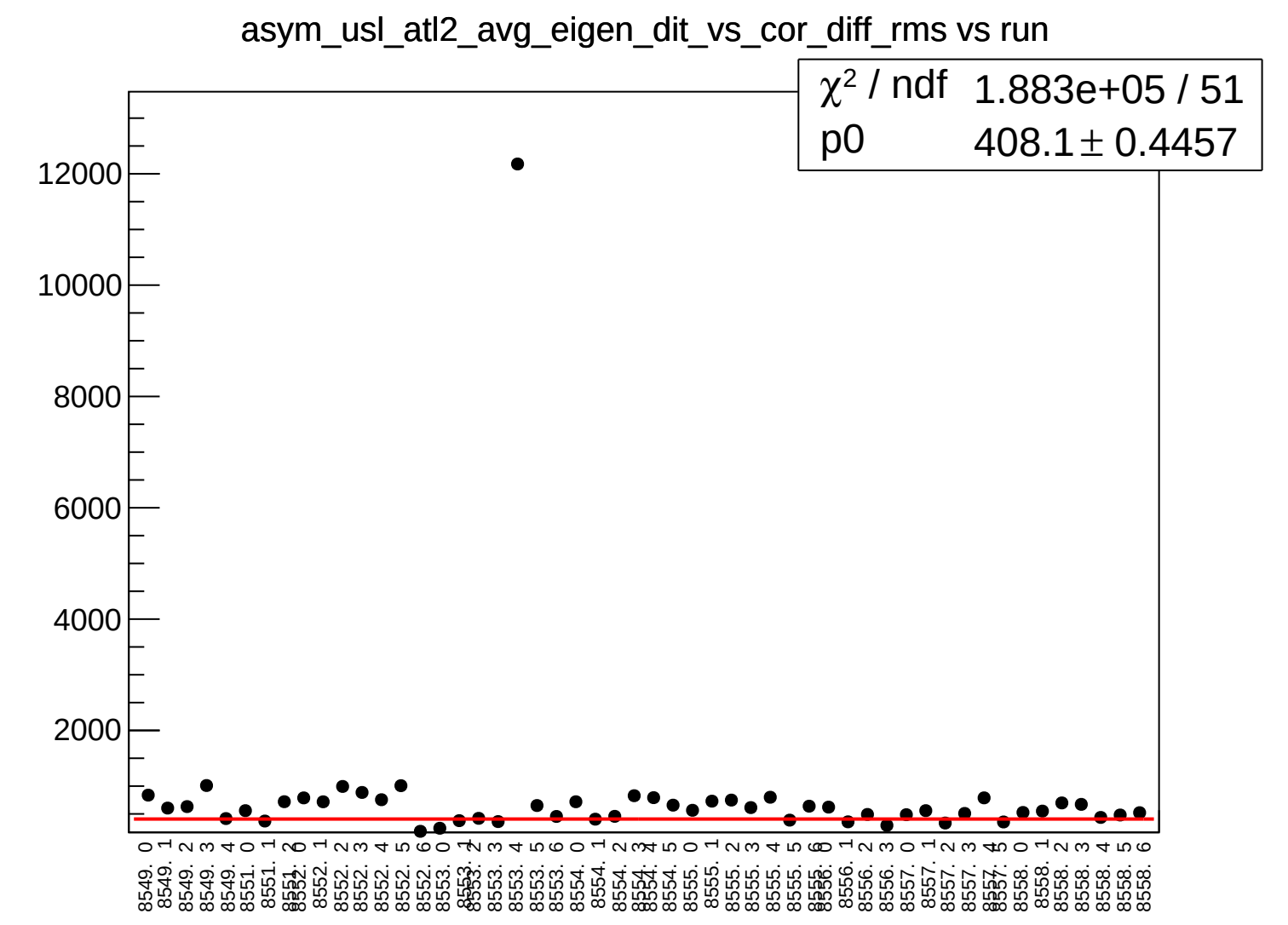

asym_usl_atl2_avg_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 49.41 / 51
p0 7.818e−07 ± 2.463e−06
0.08
0.06
0.04
0.02
0
−0.02
−0.04
−0.06
pull
Entries 52
Mean −163.9
Std Dev 0
3
2
1
0
−1
−2

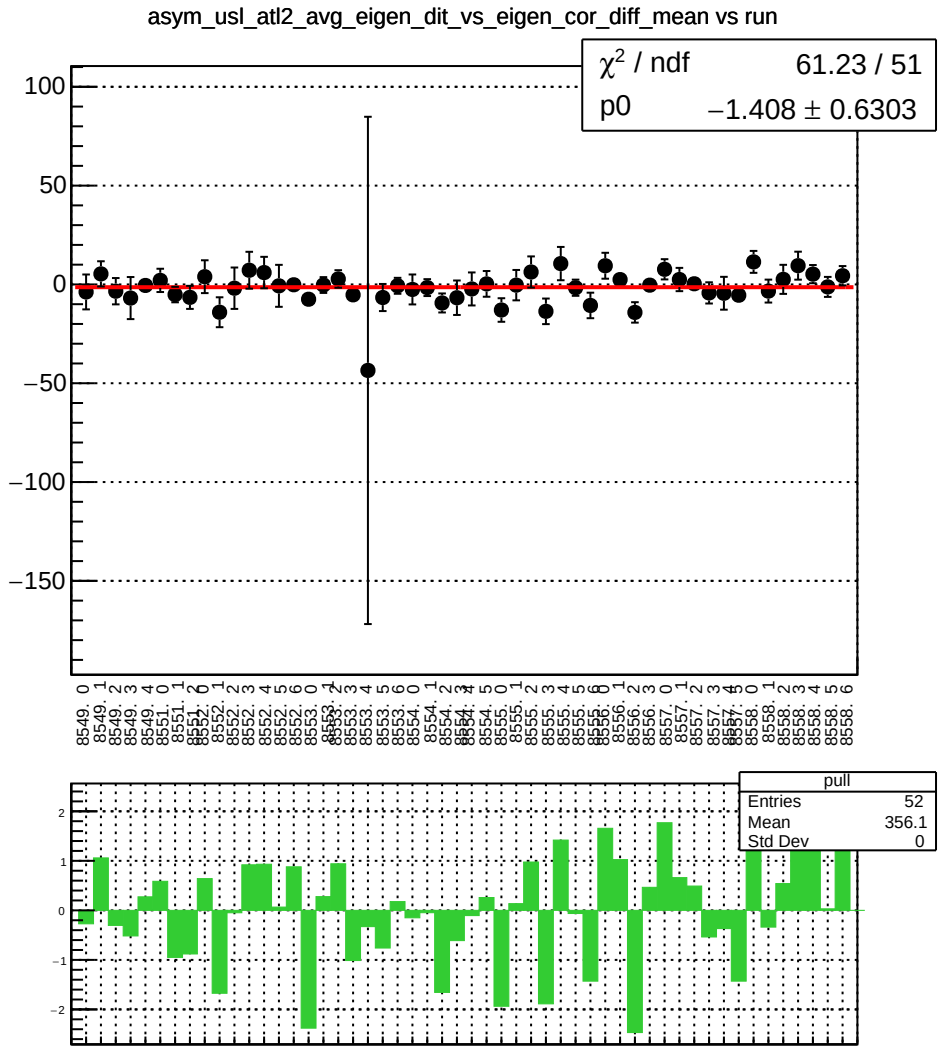

pull1D
Entries 52
Mean −0.00234
Std Dev 0.9748
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

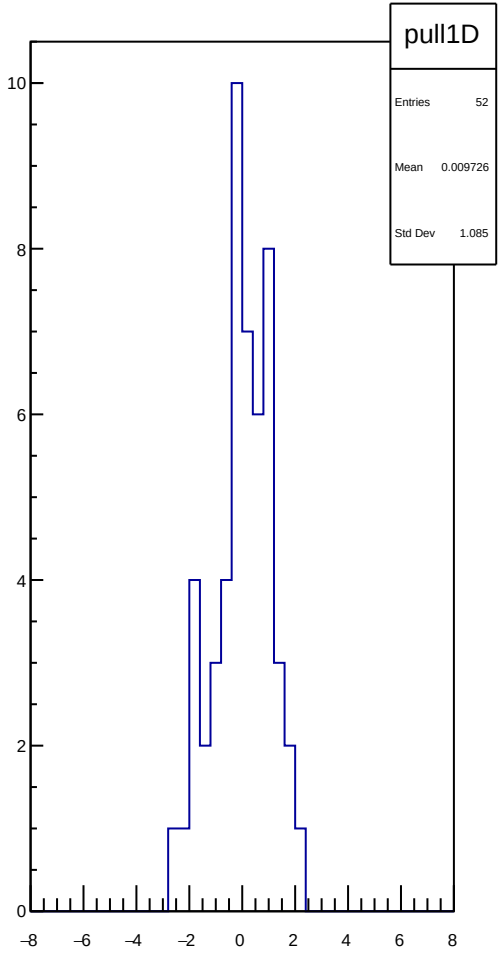

asym_usl_atl2_avg_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 3579 / 51
p0 0.001761 ± 1.741e−06
0.002
0.0019
0.0018
0.0017
0.0016
0.0015
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 5
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

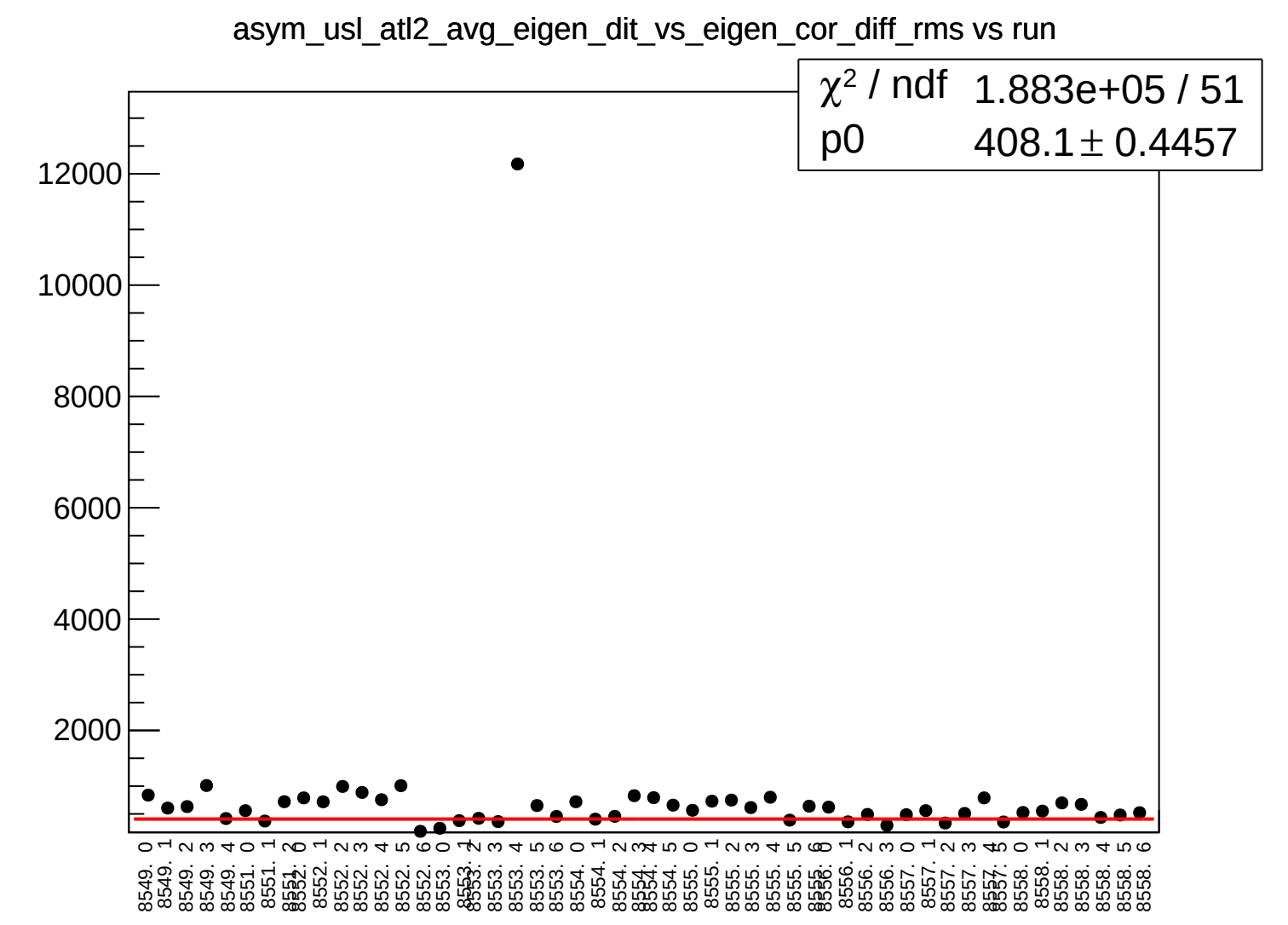

asym_usl_atl2_avg_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 61.23 / 51
p0 −1.408 ± 0.6303
pull
Entries 52
Mean 356.1
Std Dev 0

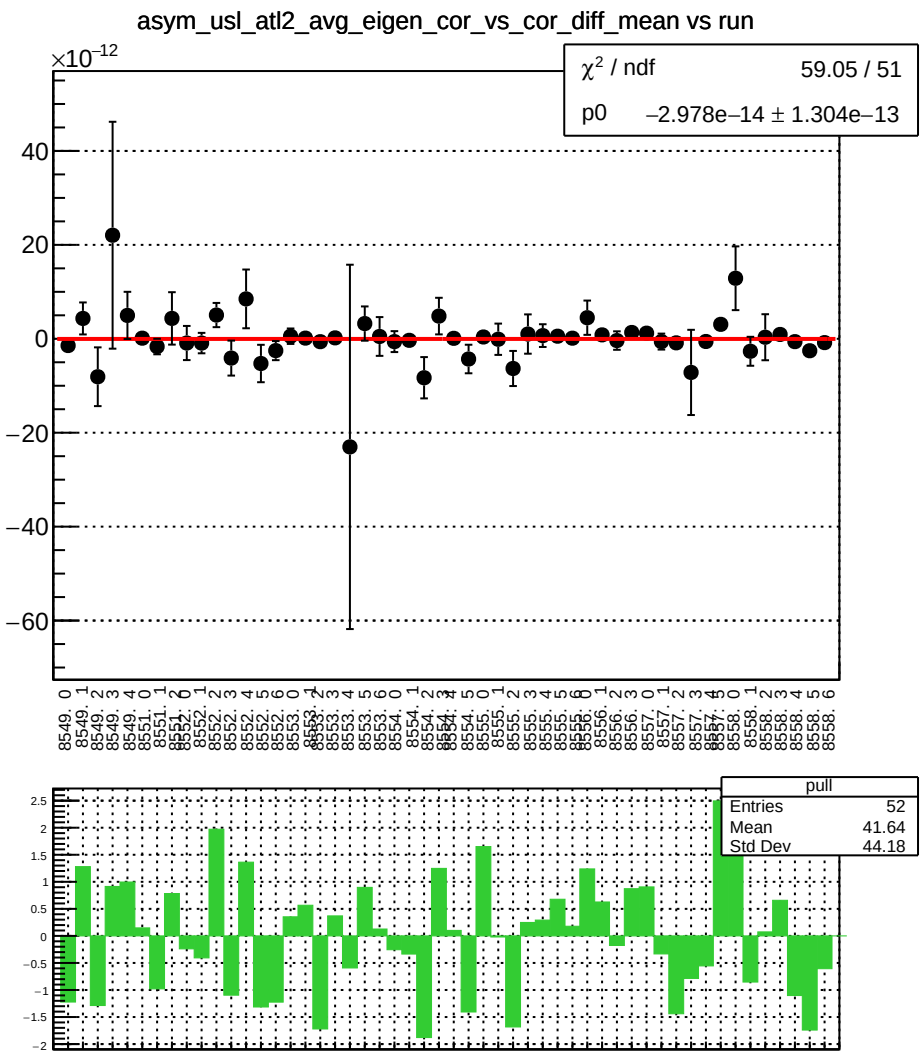

pull1D
Entries 52
Mean 0.009726
Std Dev 1.085

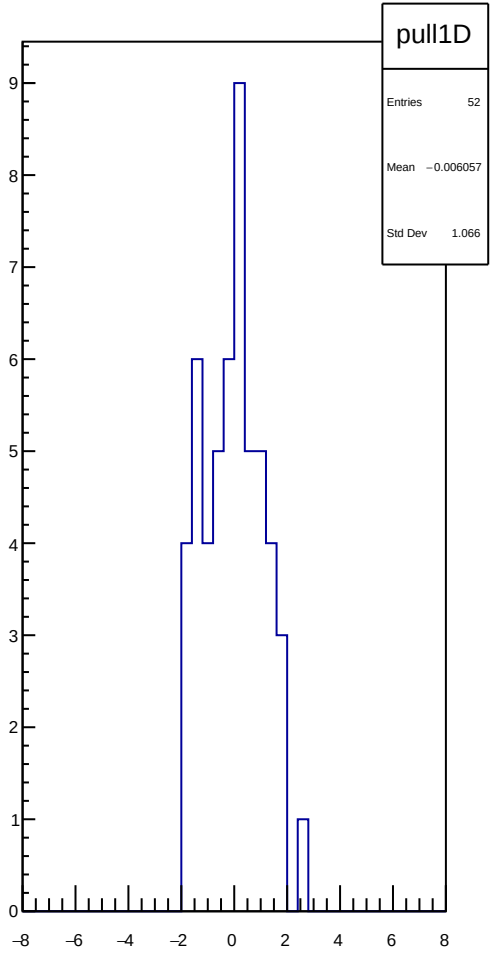

asym_usl_atl2_avg_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 1.883e+05 / 51
p0 408.1 ± 0.4457
12000
10000
8000
6000
4000
2000
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

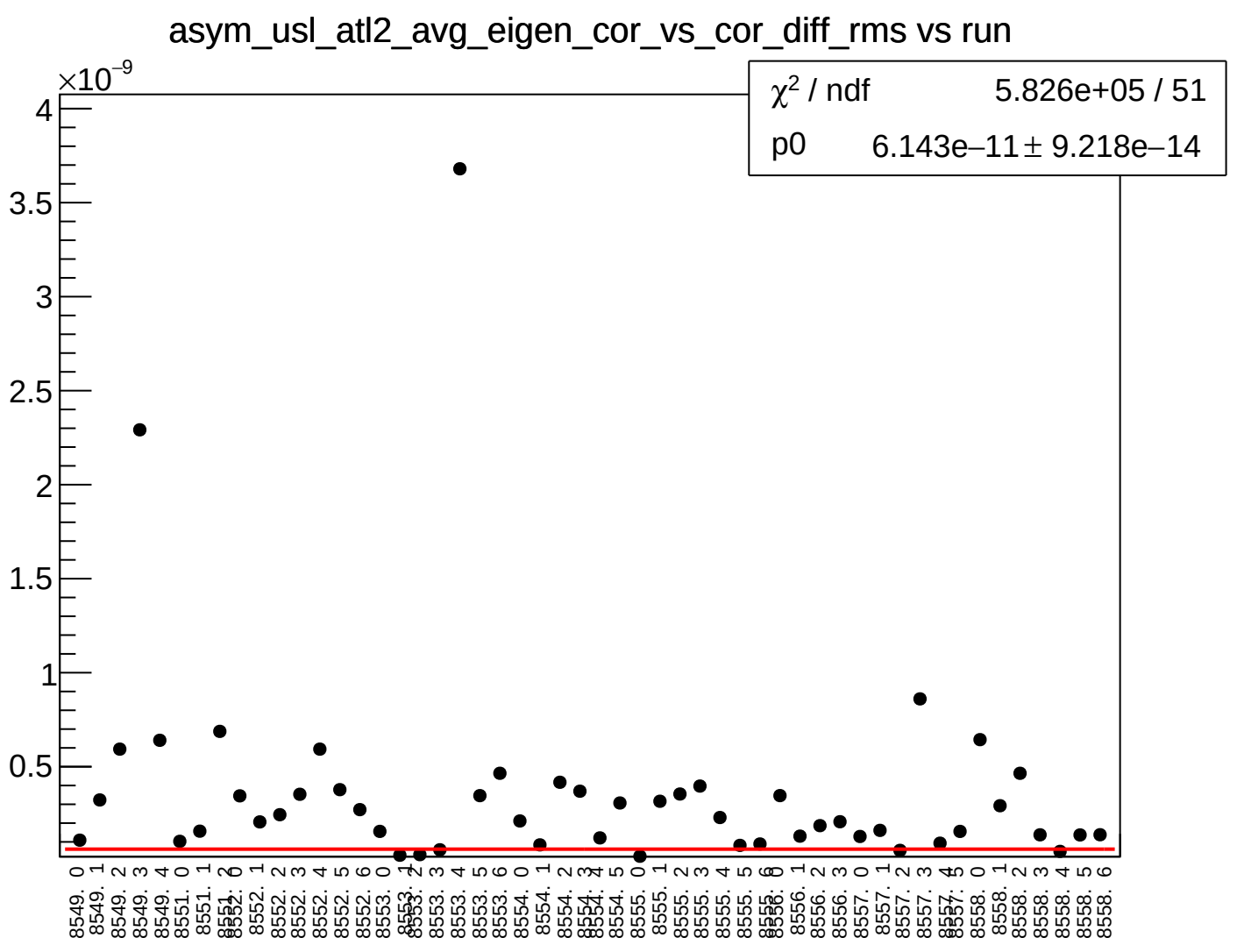

asym_usl_atl2_avg_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 61.23 / 51
p0 −1.408 ± 0.6303
pull
Entries 52
Mean 356.1
Std Dev 0

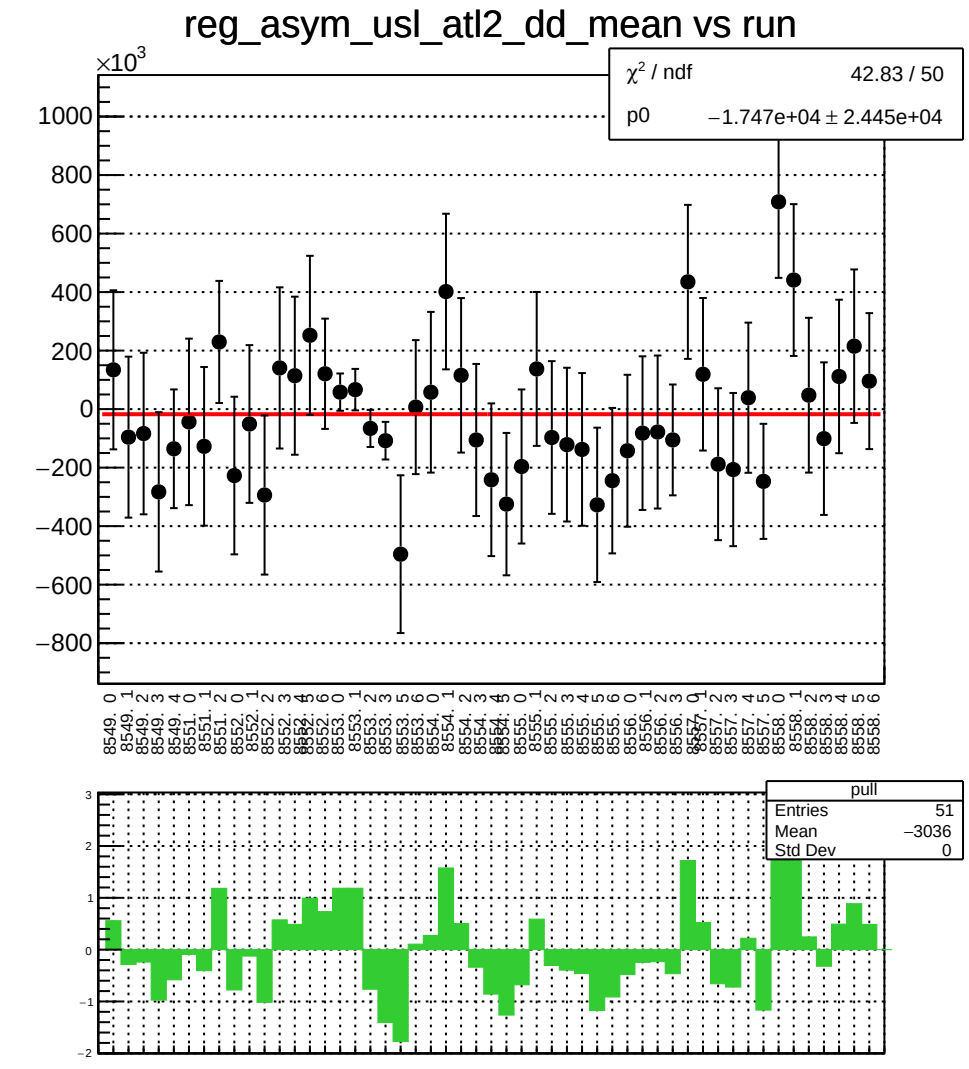

pull1D
Entries 52
Mean 0.009726
Std Dev 1.085

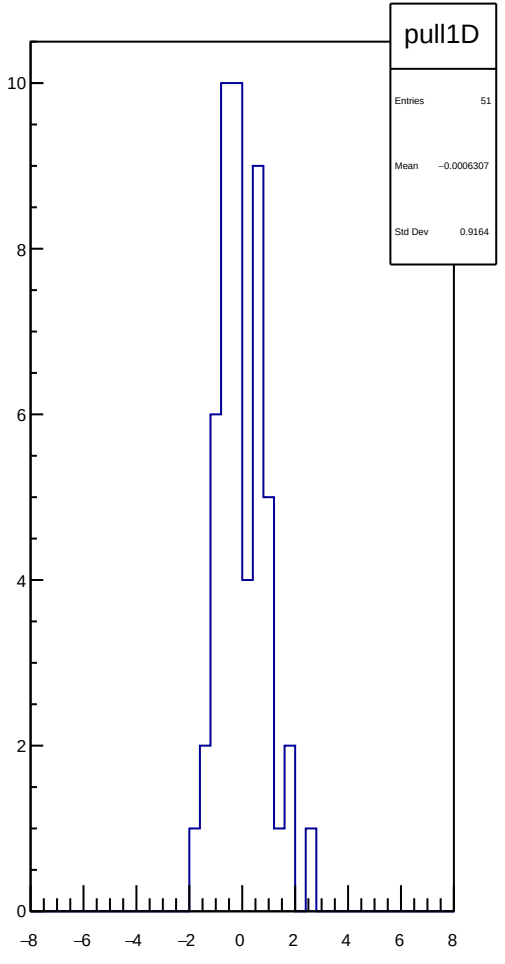

asym_usl_atl2_avg_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.883e+05 / 51
p0 408.1 ± 0.4457
12000
10000
8000
6000
4000
2000
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

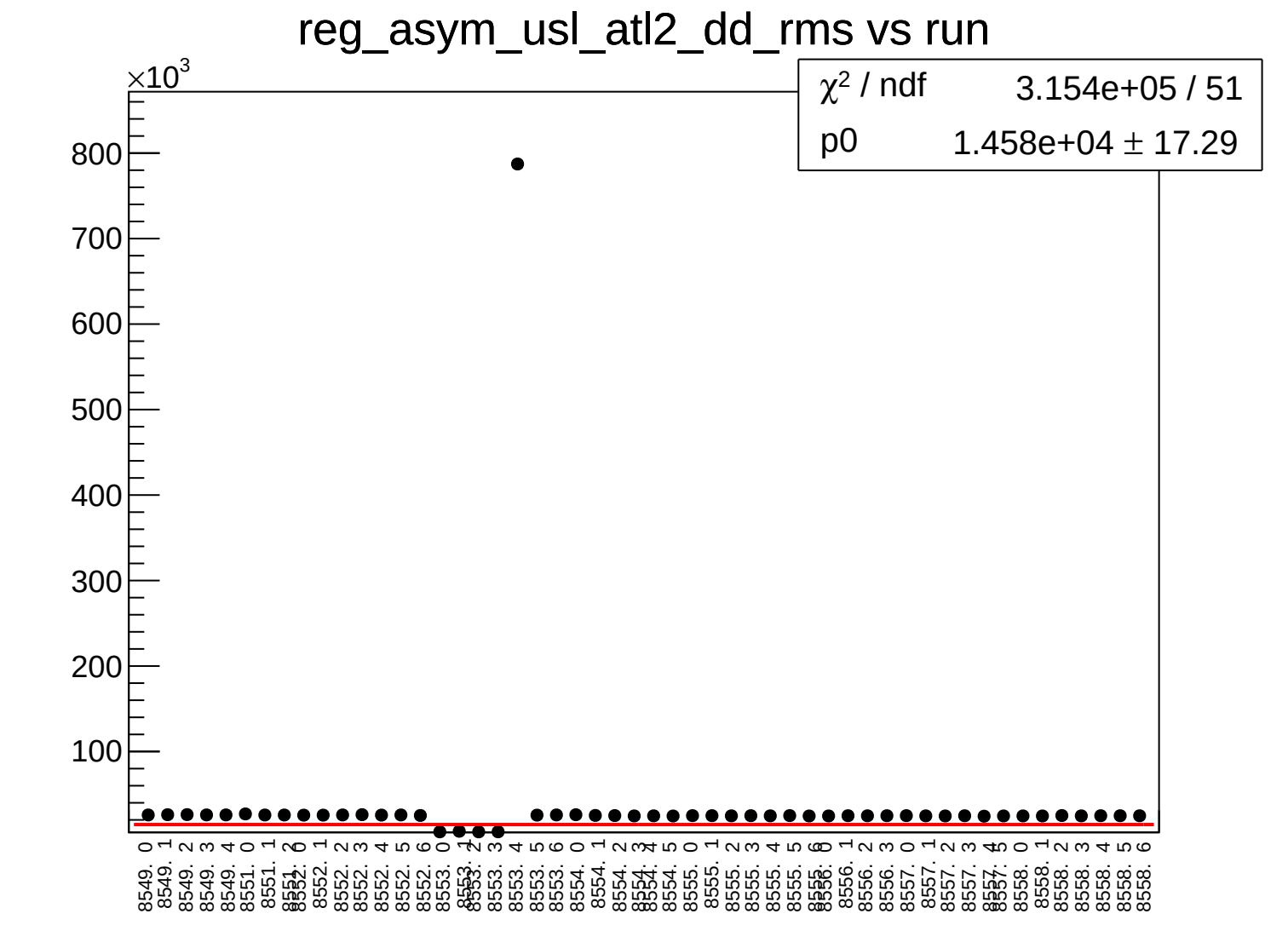

asym_usl_atl2_avg_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 59.05 / 51
p0 −2.978e−14 ± 1.304e−13
pull
Entries 52
Mean 41.64
Std Dev 44.18

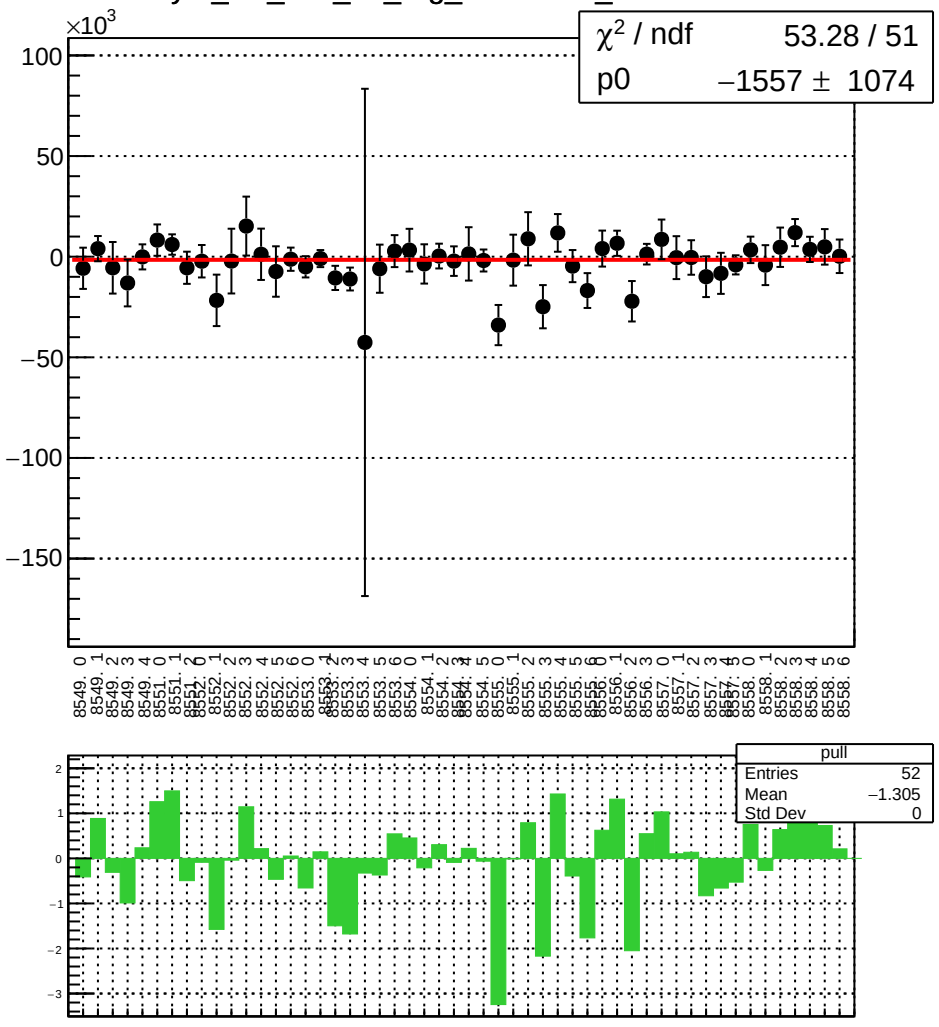

pull1D
Entries 52
Mean −0.006057
Std Dev 1.066

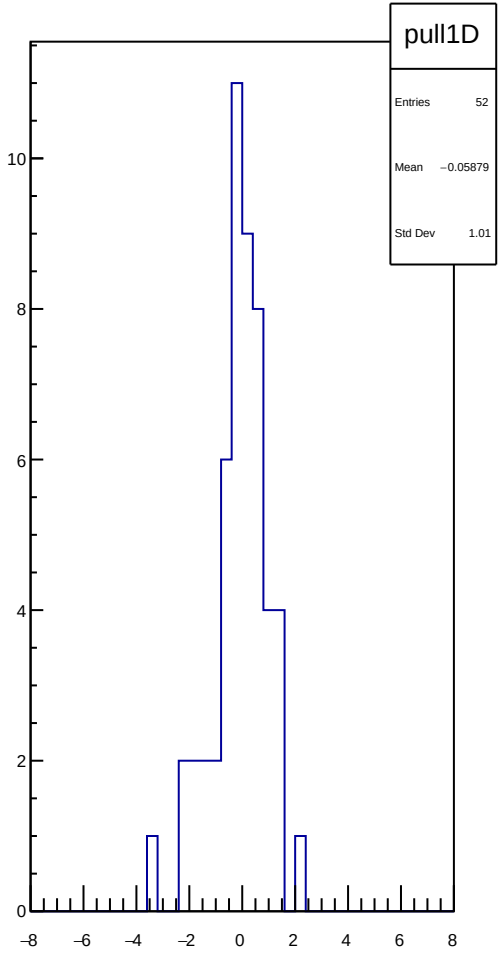

asym_usl_atl2_avg_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 5.826e+05 / 51
p0 6.143e−11 ± 9.218e−14
4
3.5
3
2.5
2
1.5
1
0.5
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8551. 2
8552. 0
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 1
8553. 2
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 3
8554. 4
8554. 5
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 0
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8557. 4
8557. 5
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

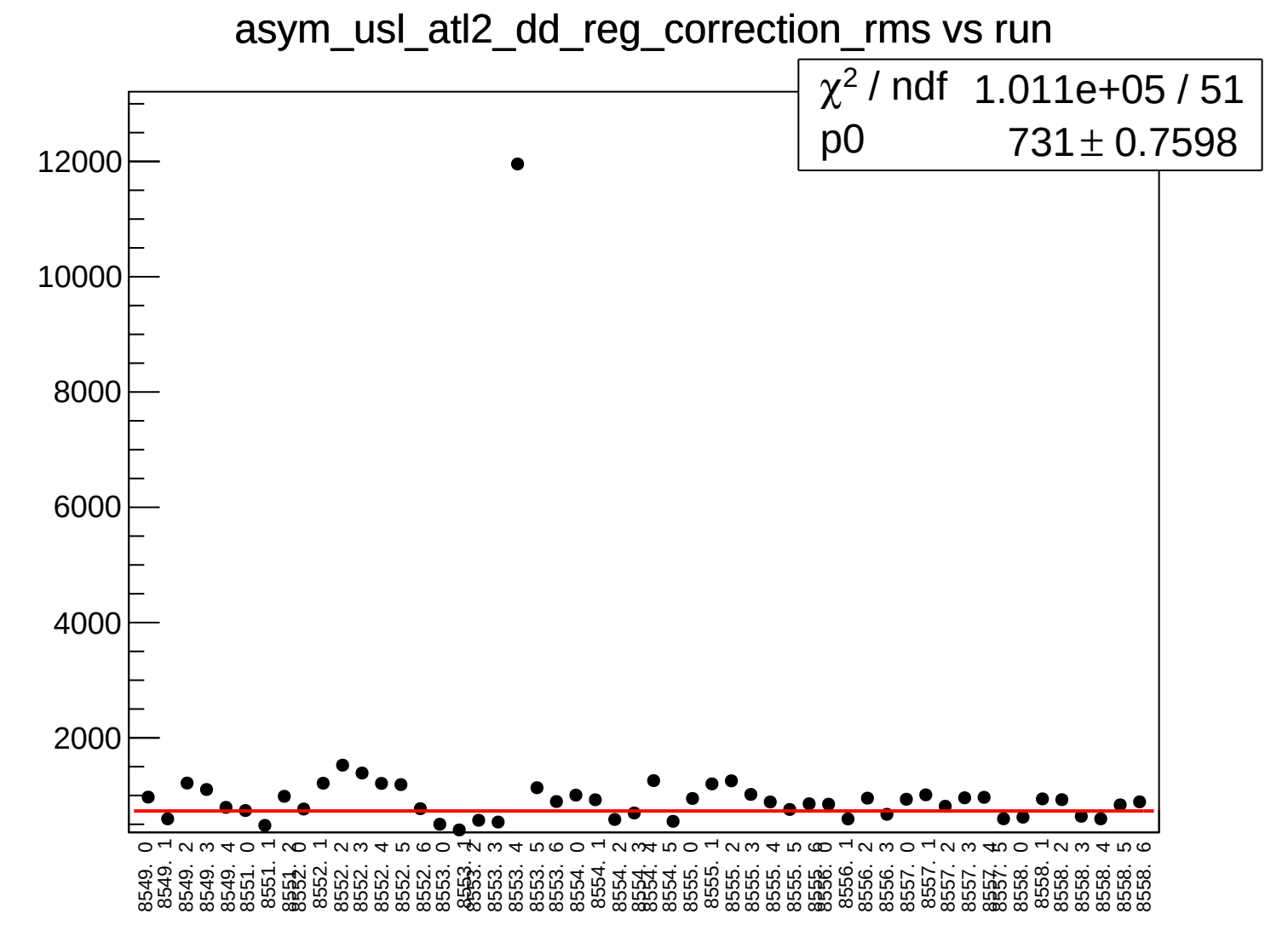

reg_asym_usl_atl2_dd_mean vs run
×10^3
χ² / ndf 42.83 / 50
p0 −1.747e+04 ± 2.445e+04
pull
Entries 51
Mean −3036
Std Dev 0

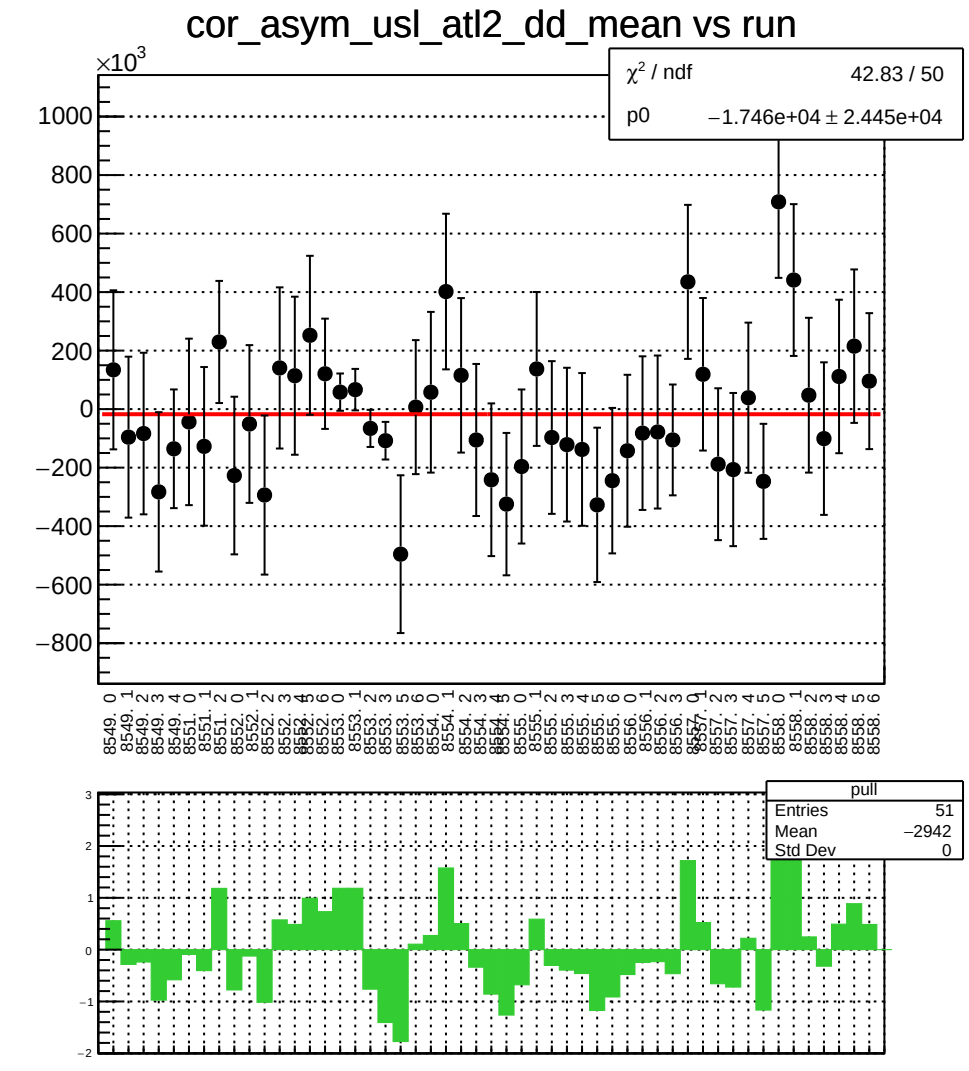

pull1D
Entries 51
Mean −0.0006307
Std Dev 0.9164

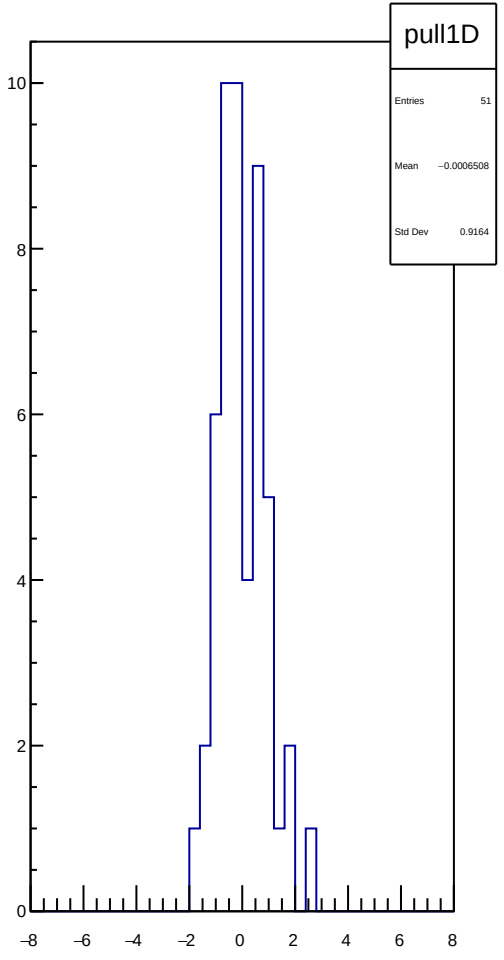

reg_asym_usl_atl2_dd_rms vs run
×10^3
800
700
600
500
400
300
200
100
χ² / ndf 3.154e+05 / 51
p0 1.458e+04 ± 17.29
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 5
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

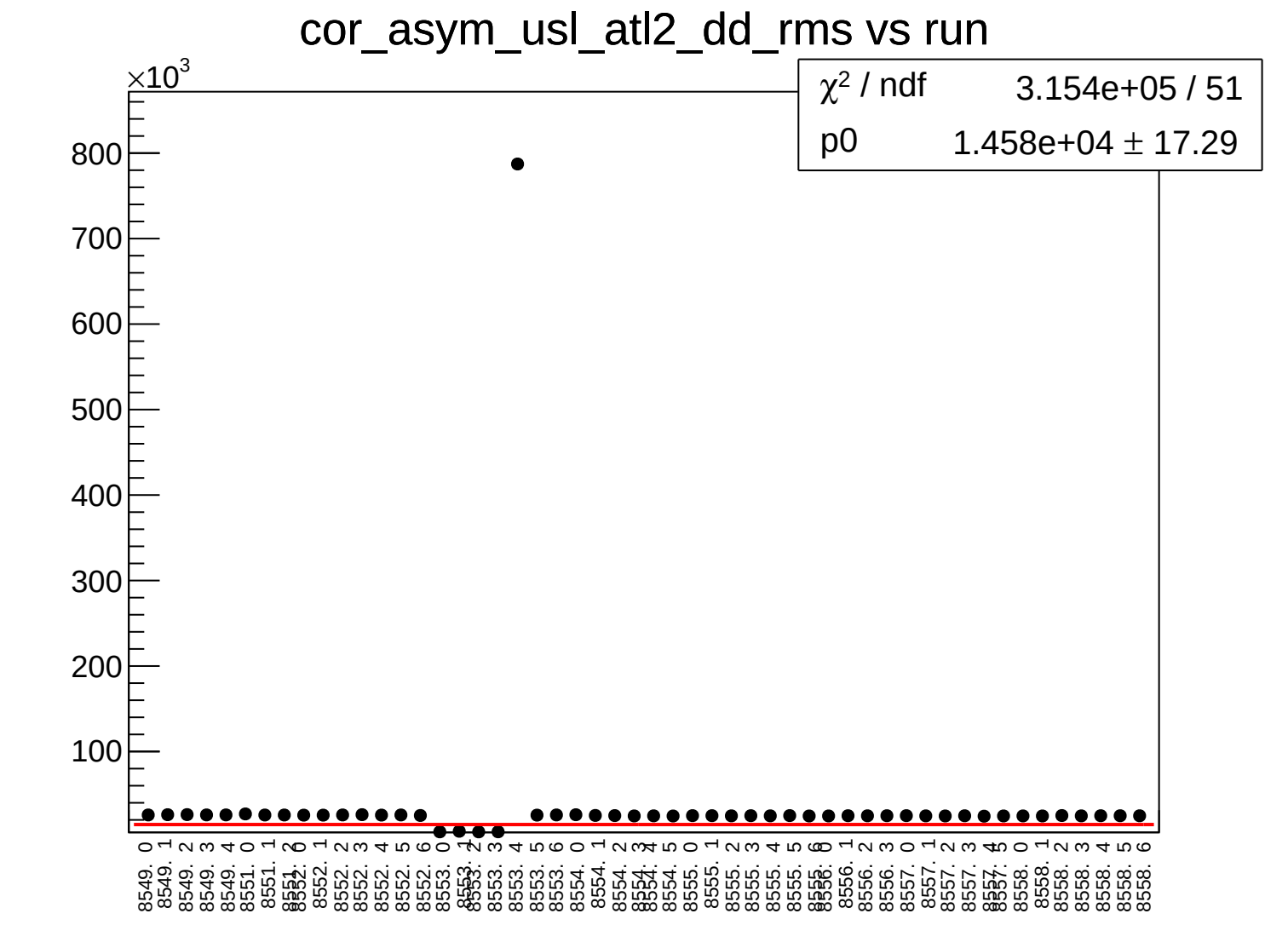

asym_usl_atl2_dd_reg_correction_mean vs run
×10^3
χ² / ndf 53.28 / 51
p0 −1557 ± 1074
100
50
0
−50
−100
−150
pull
Entries 52
Mean −1.305
Std Dev 0

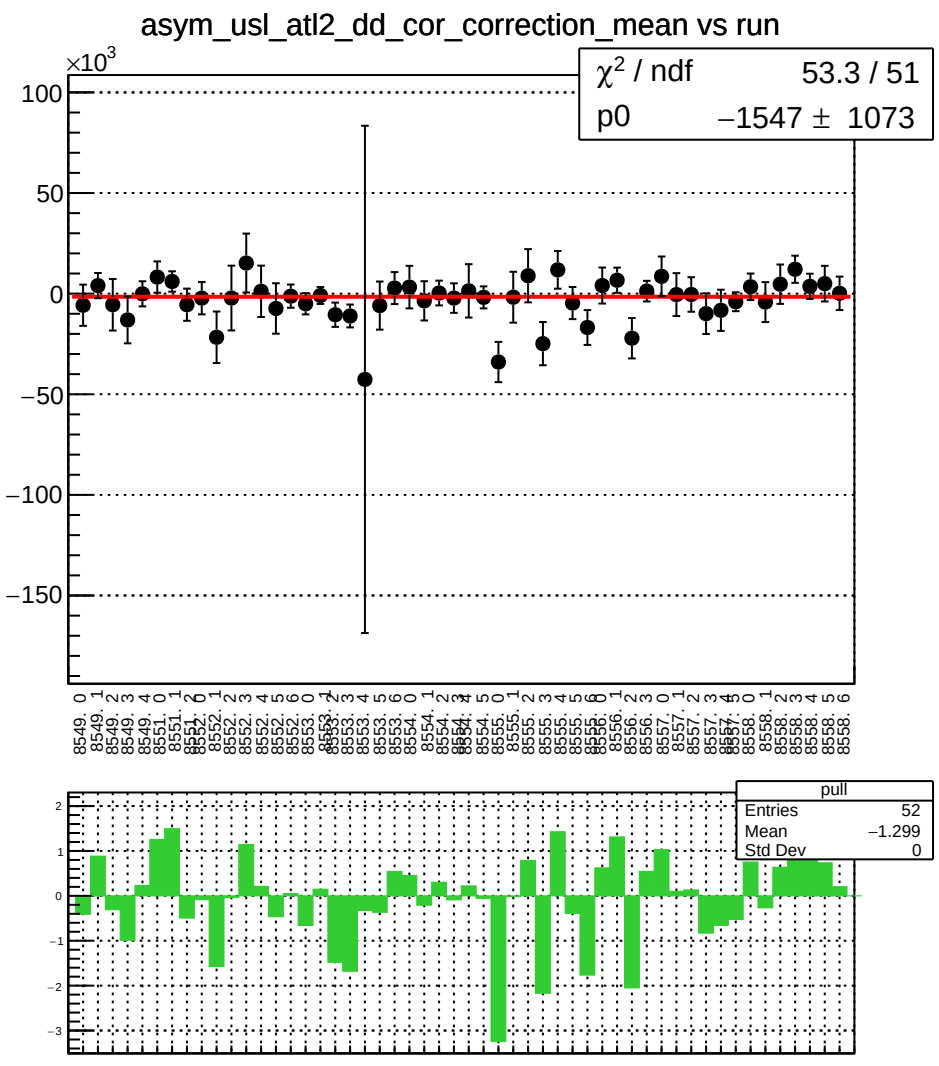

pull1D
Entries 52
Mean −0.05879
Std Dev 1.01

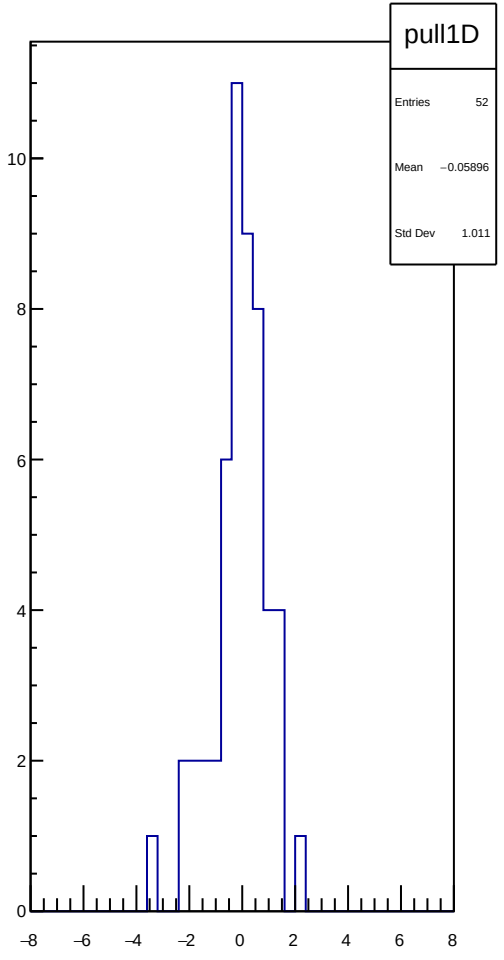

asym_usl_atl2_dd_reg_correction_rms vs run
χ² / ndf 1.011e+05 / 51
p0 731 ± 0.7598
12000
10000
8000
6000
4000
2000
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 0
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 5
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

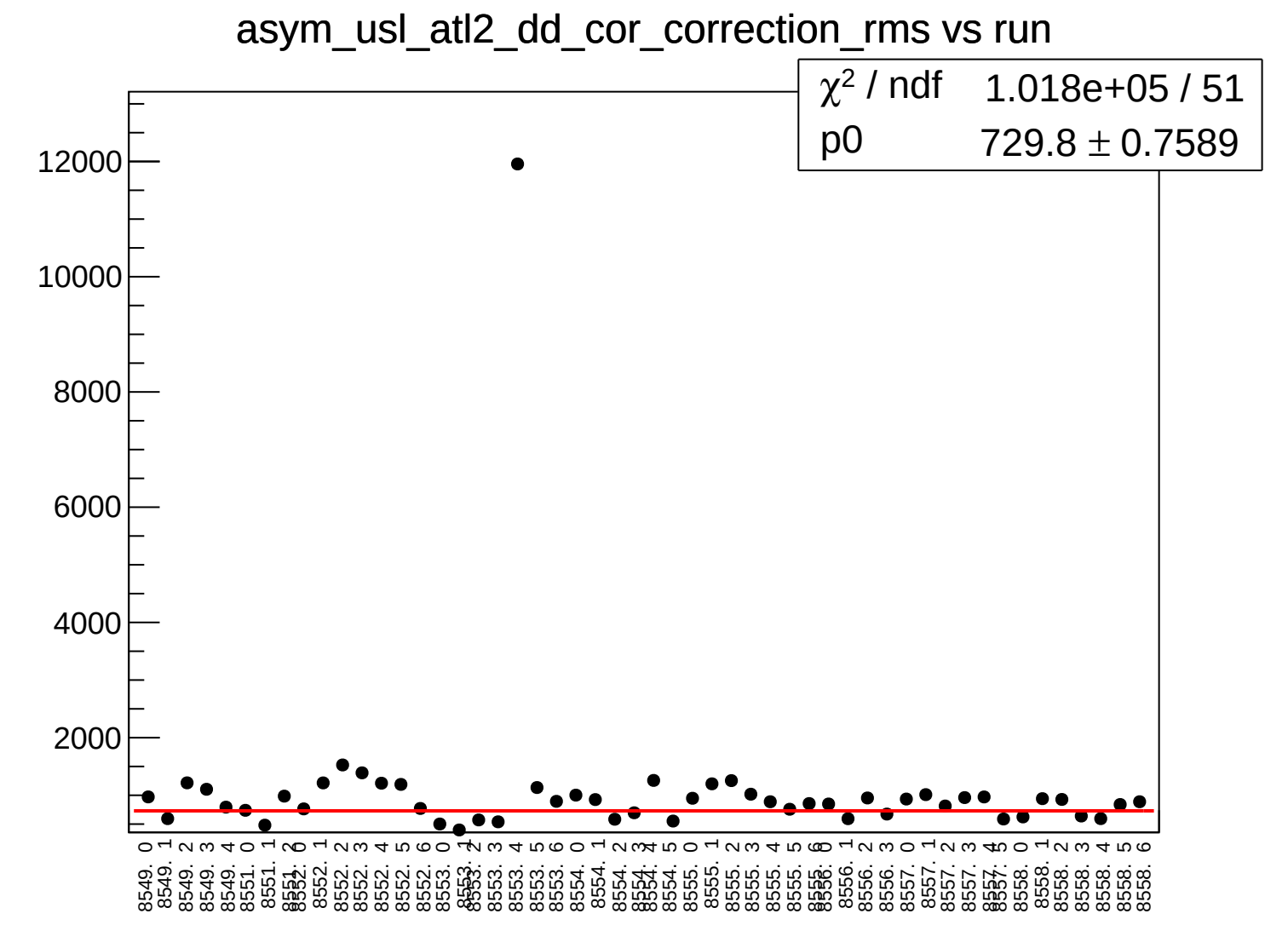

cor_asym_usl_atl2_dd_mean vs run
×10^3
χ² / ndf 42.83 / 50
p0 −1.746e+04 ± 2.445e+04
pull
Entries 51
Mean −2942
Std Dev 0

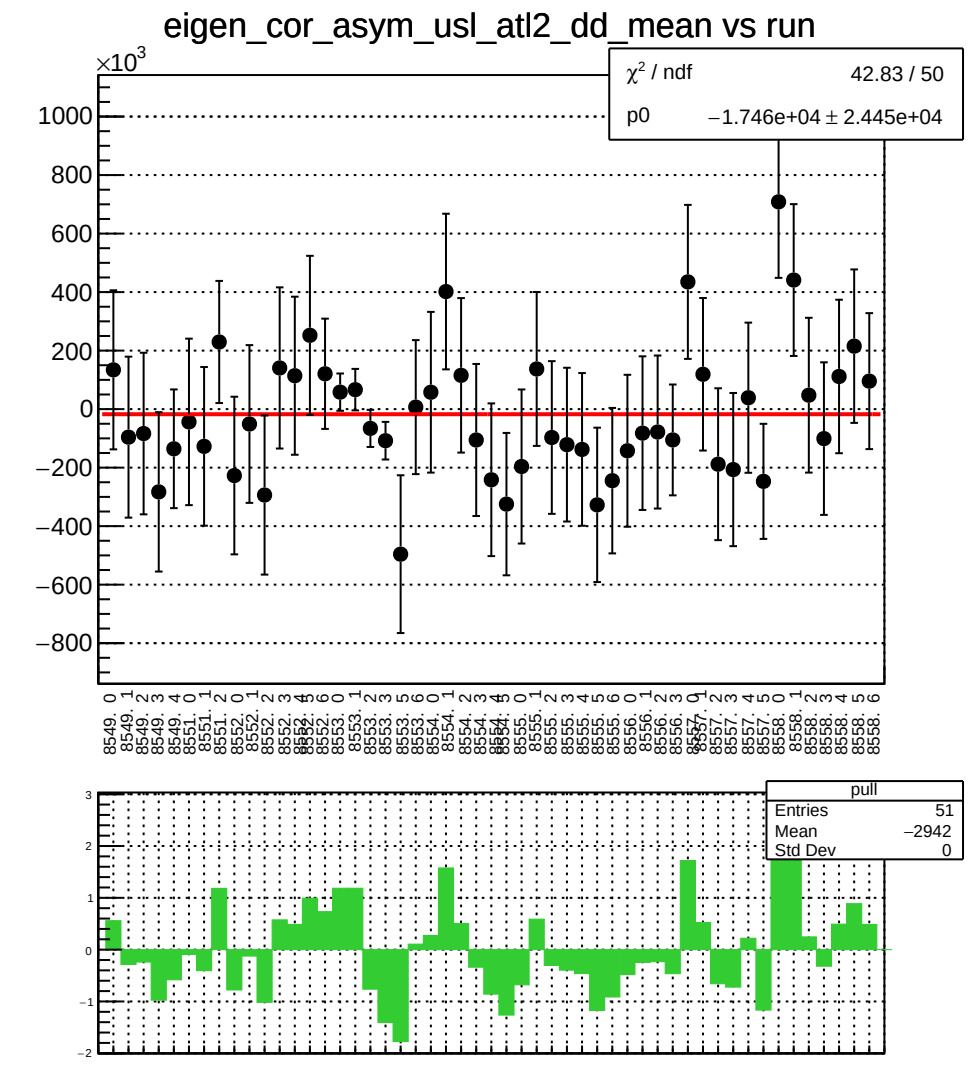

pull1D
Entries 51
Mean −0.0006508
Std Dev 0.9164

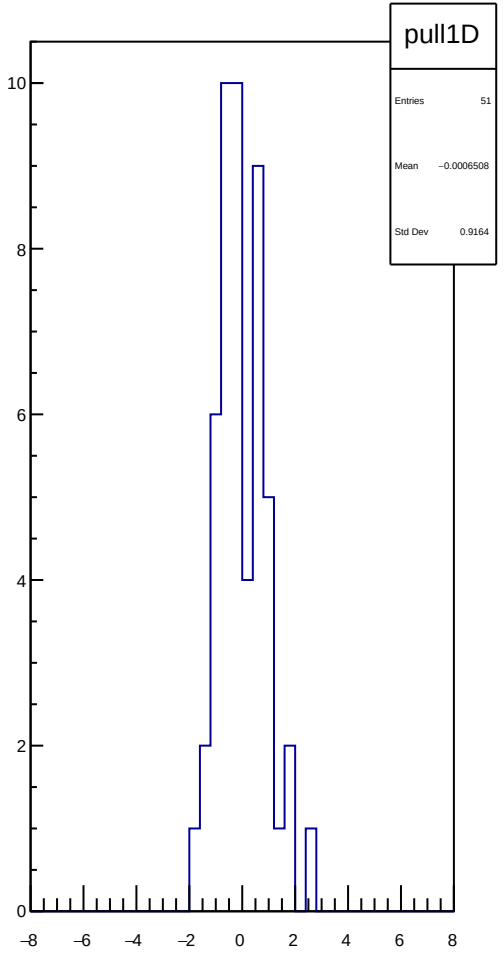

cor_asym_usl_atl2_dd_rms vs run
×10^3
800
700
600
500
400
300
200
100
χ² / ndf 3.154e+05 / 51
p0 1.458e+04 ± 17.29
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

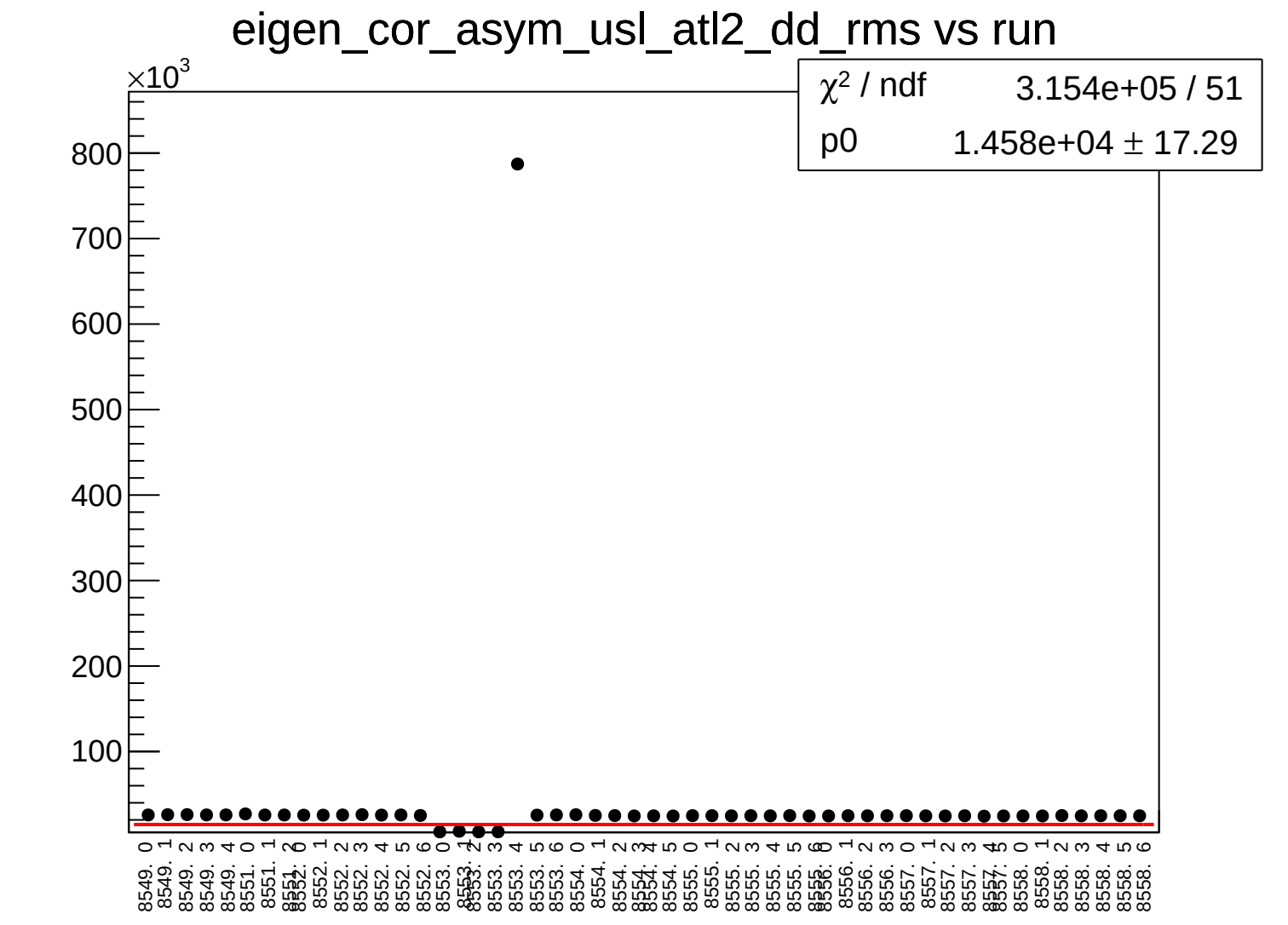

asym_usl_atl2_dd_cor_correction_mean vs run
×10^3
χ² / ndf 53.3 / 51
p0 −1547 ± 1073
100
50
0
−50
−100
−150
pull
Entries 52
Mean −1.299
Std Dev 0

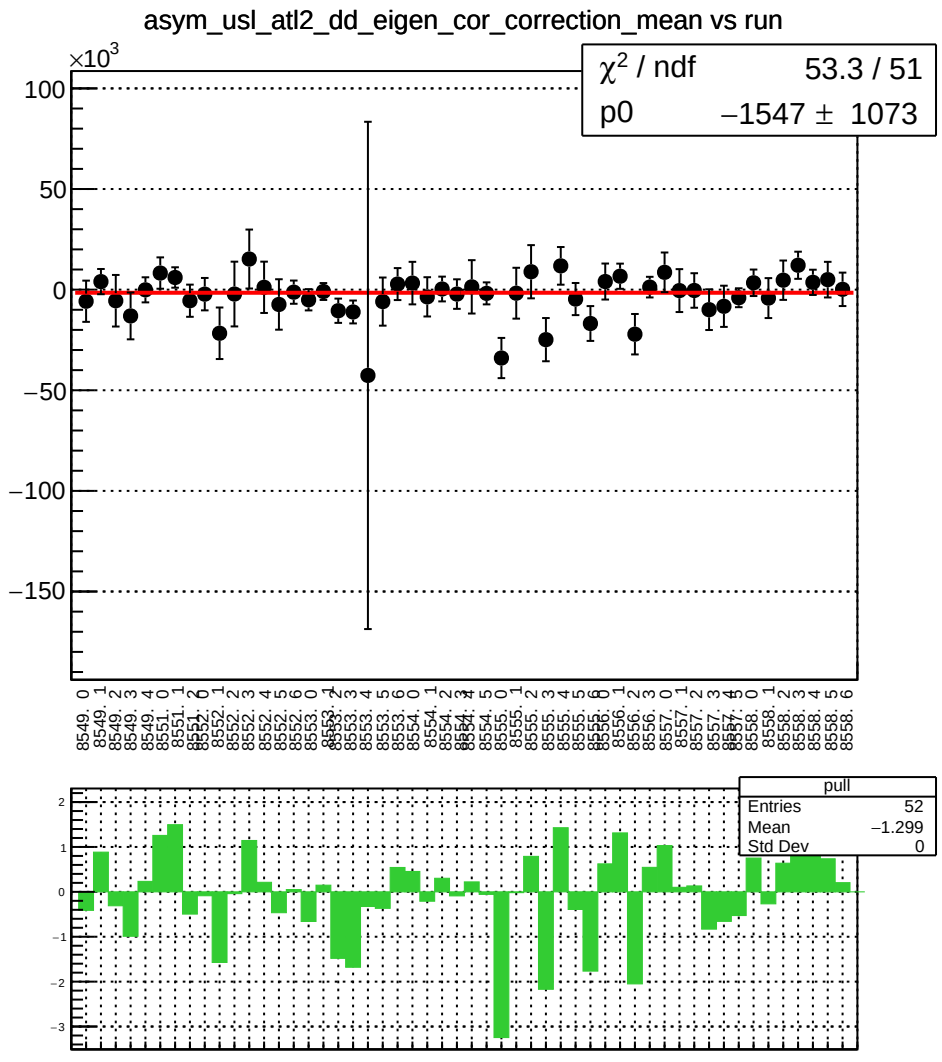

pull1D
Entries 52
Mean −0.05896
Std Dev 1.011

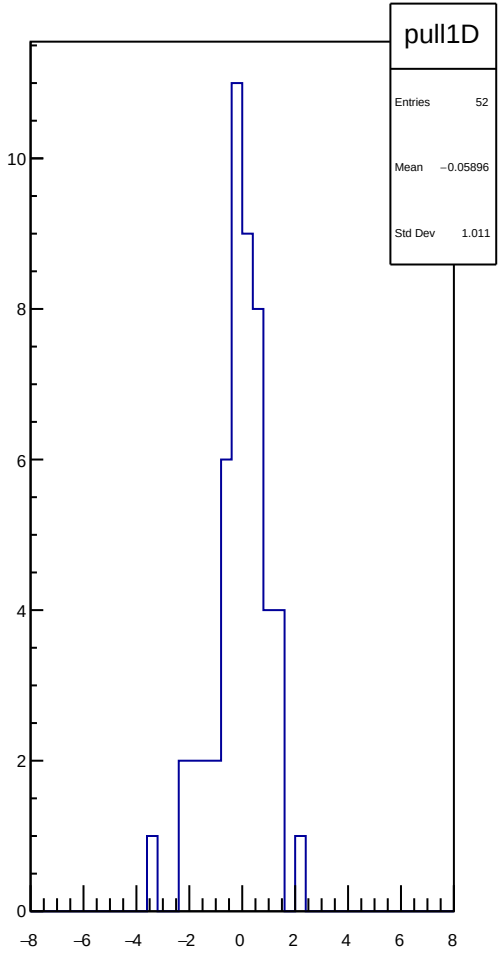

asym_usl_atl2_dd_cor_correction_rms vs run
χ² / ndf 1.018e+05 / 51
p0 729.8 ± 0.7589
12000
10000
8000
6000
4000
2000
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 5
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

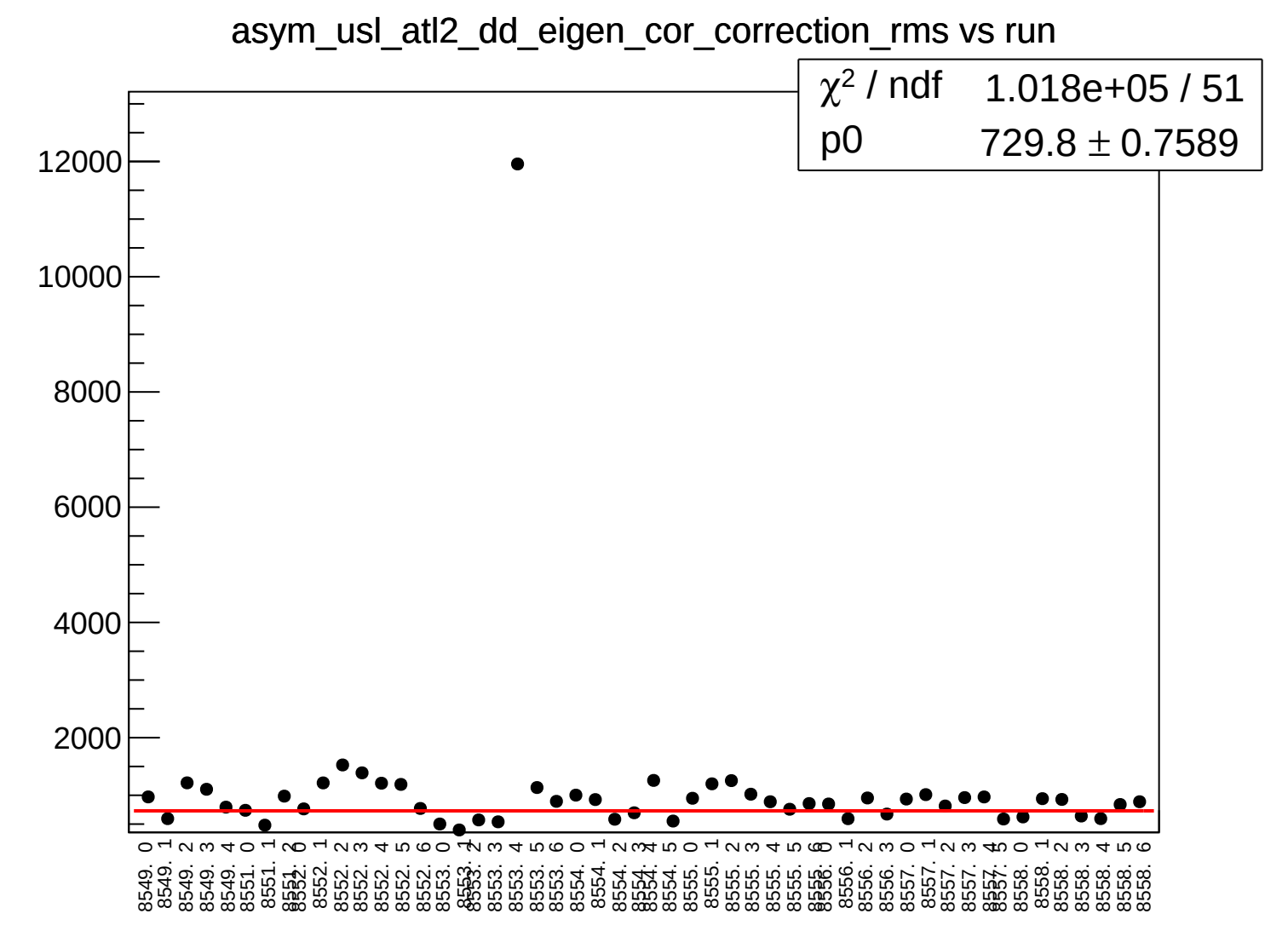

eigen_cor_asym_usl_atl2_dd_mean vs run
×10^3
χ² / ndf 42.83 / 50
p0 −1.746e+04 ± 2.445e+04
pull
Entries 51
Mean −2942
Std Dev 0

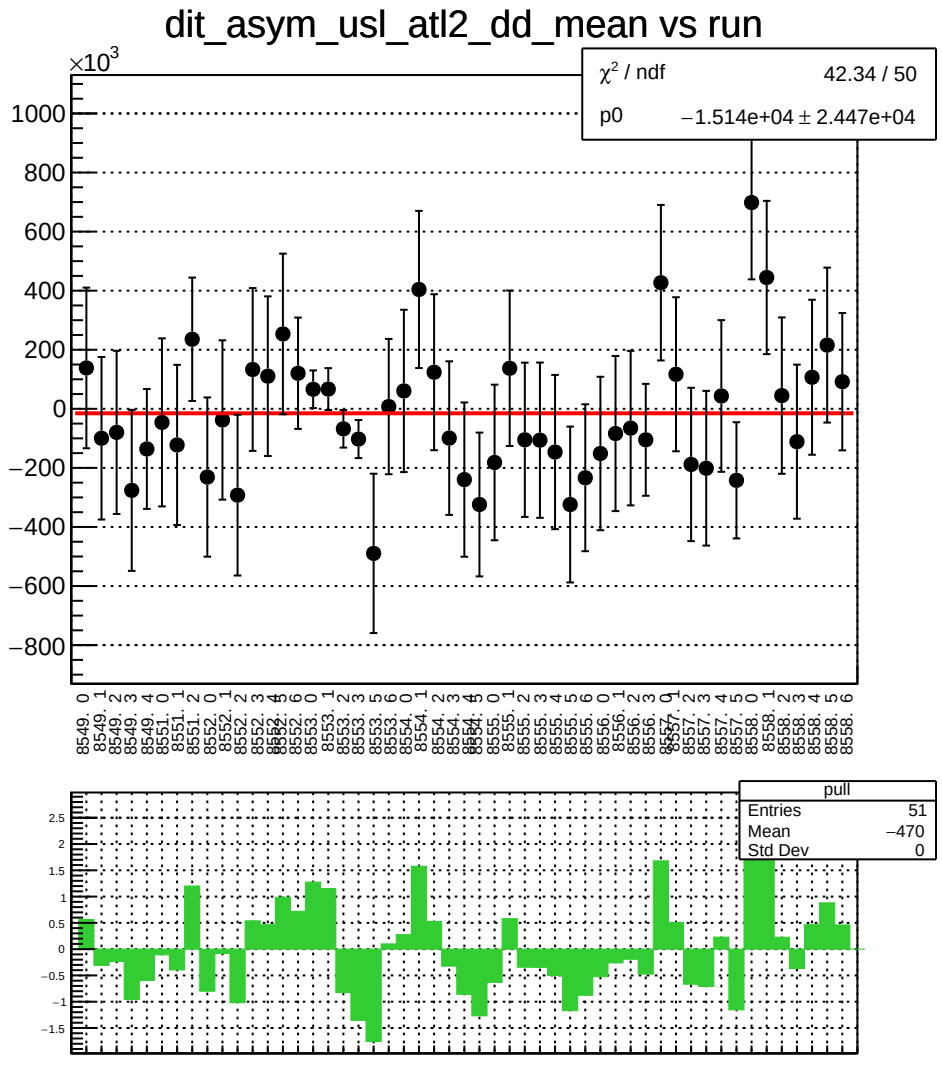

pull1D
Entries 51
Mean −0.0006508
Std Dev 0.9164

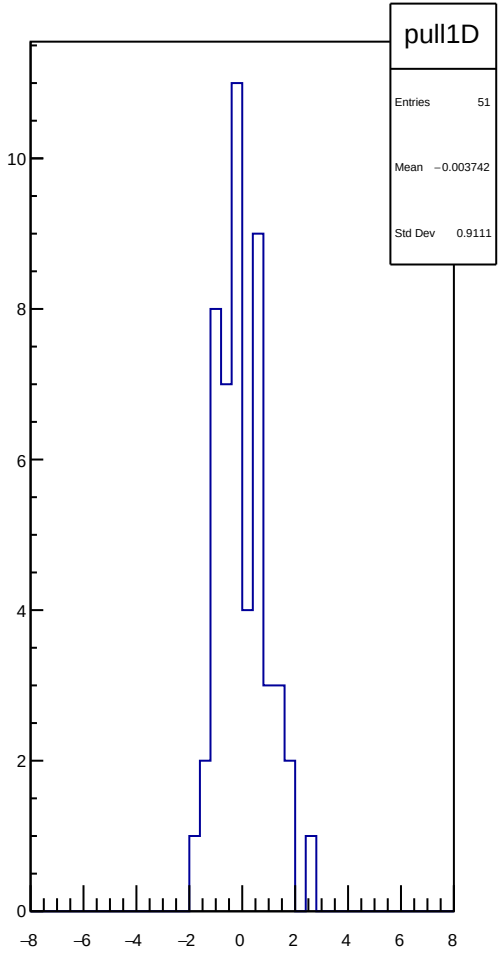

eigen_cor_asym_usl_atl2_dd_rms vs run
χ² / ndf 3.154e+05 / 51
p0 1.458e+04 ± 17.29
×10³
800
700
600
500
400
300
200
100
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 0
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 1
8553. 2
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 5
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

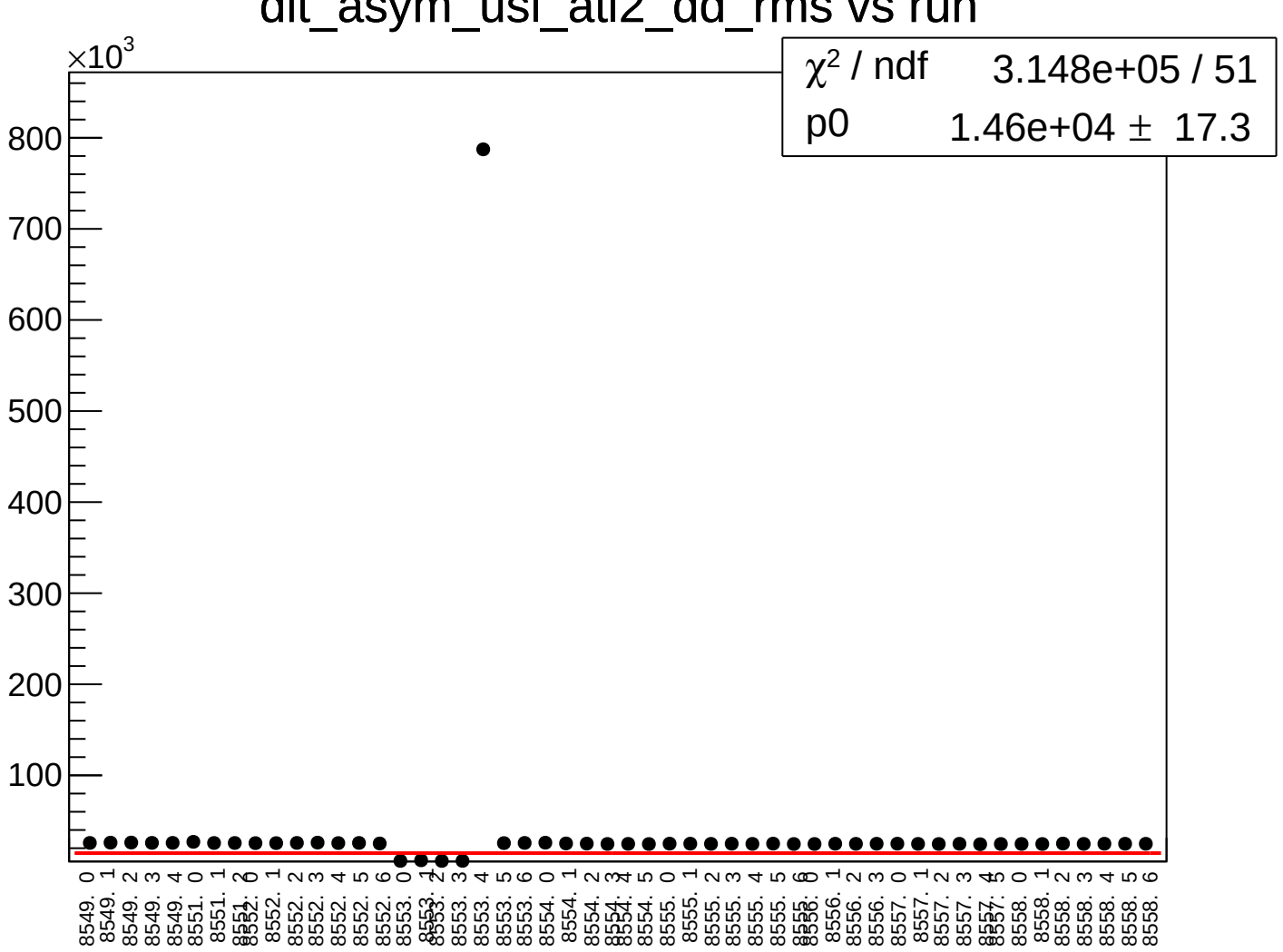

asym_usl_atl2_dd_eigen_cor_correction_mean vs run
×10^3
χ² / ndf 53.3 / 51
p0 −1547 ± 1073
100
50
0
−50
−100
−150
pull
Entries 52
Mean −1.299
Std Dev 0
2
1
0
−1
−2
−3

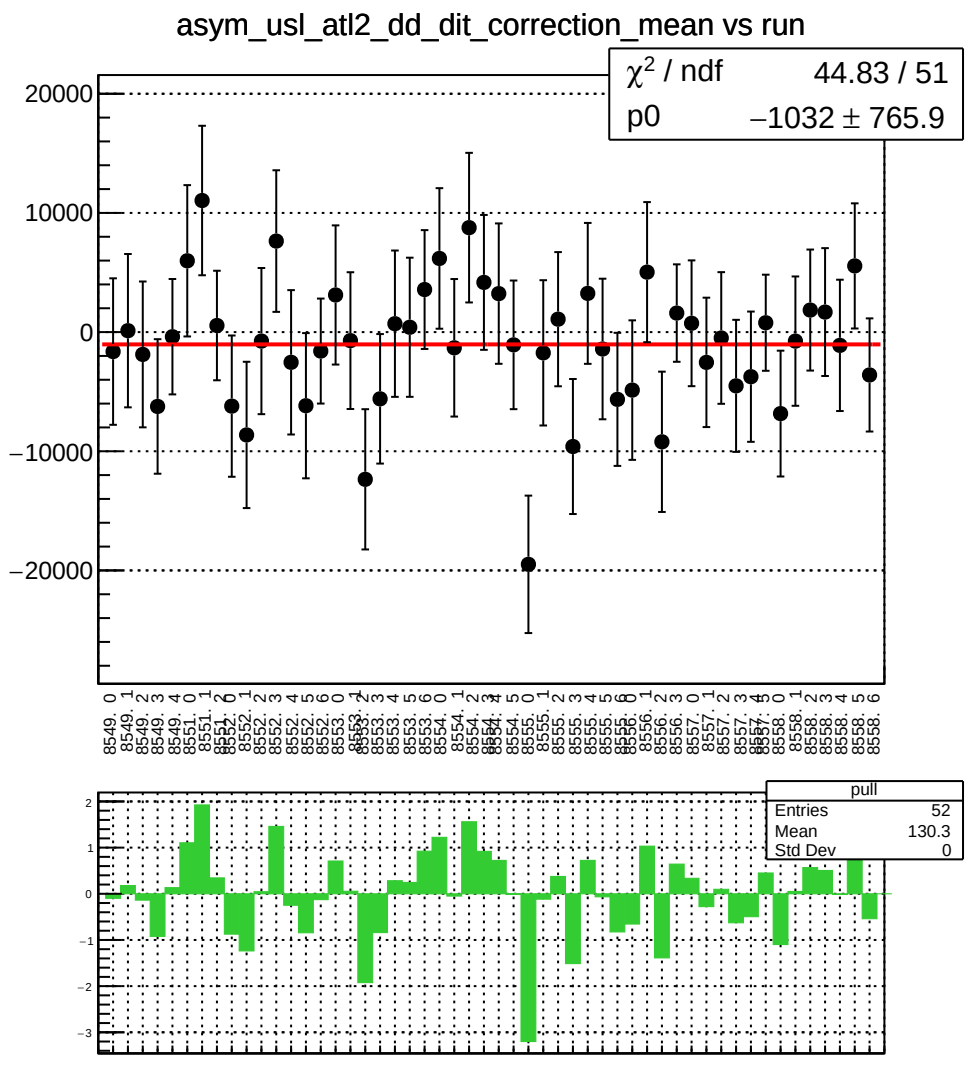

pull1D
Entries 52
Mean −0.05896
Std Dev 1.011
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

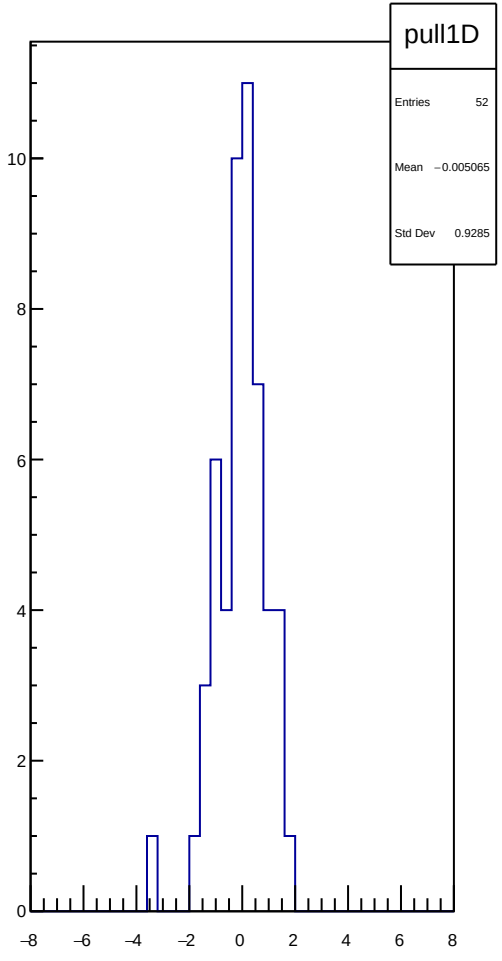

asym_usl_atl2_dd_eigen_cor_correction_rms vs run
χ² / ndf 1.018e+05 / 51
p0 729.8 ± 0.7589
12000
10000
8000
6000
4000
2000
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 5
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

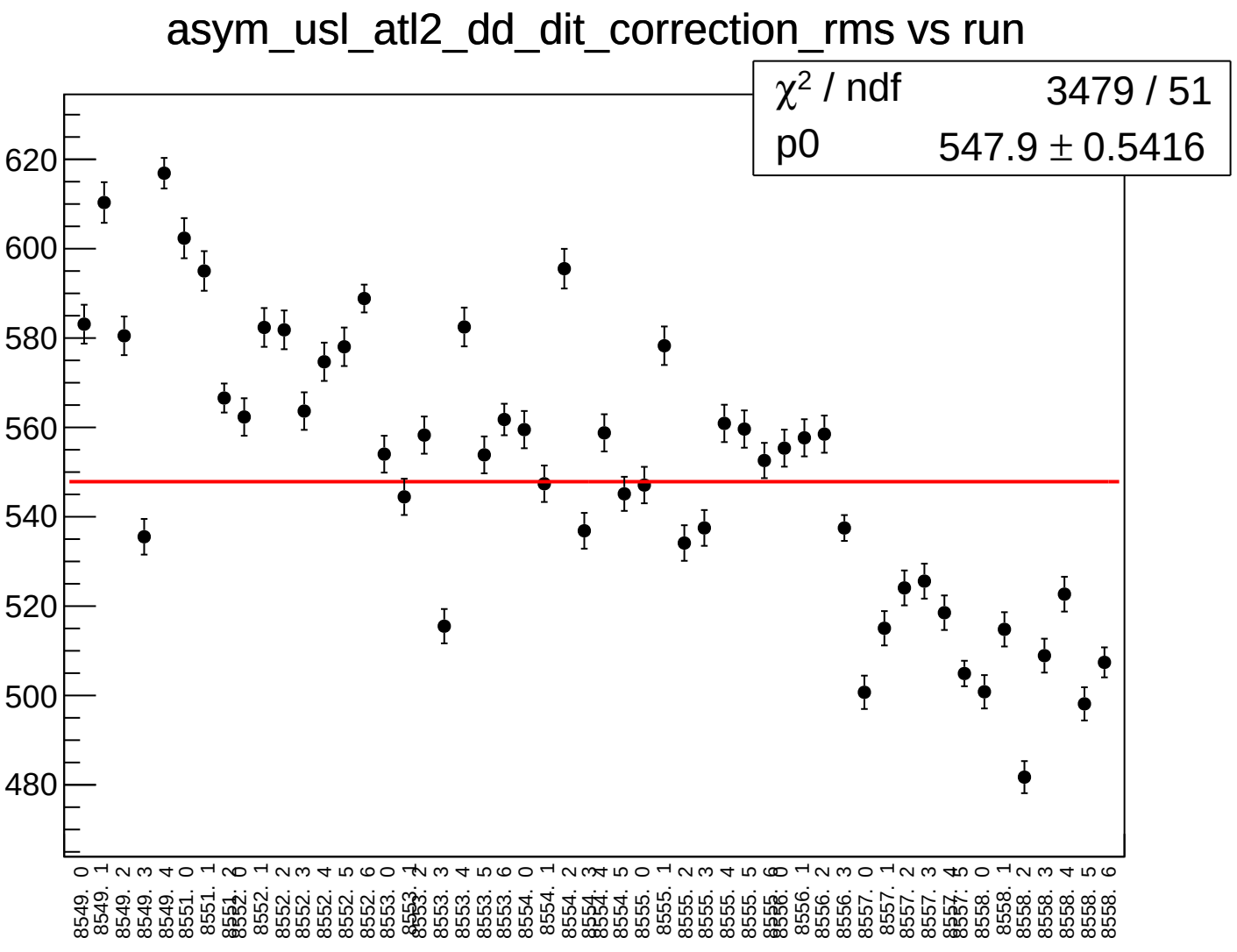

dit_asym_usl_atl2_dd_mean vs run
×10^3
χ² / ndf 42.34 / 50
p0 −1.514e+04 ± 2.447e+04
pull
Entries 51
Mean −470
Std Dev 0

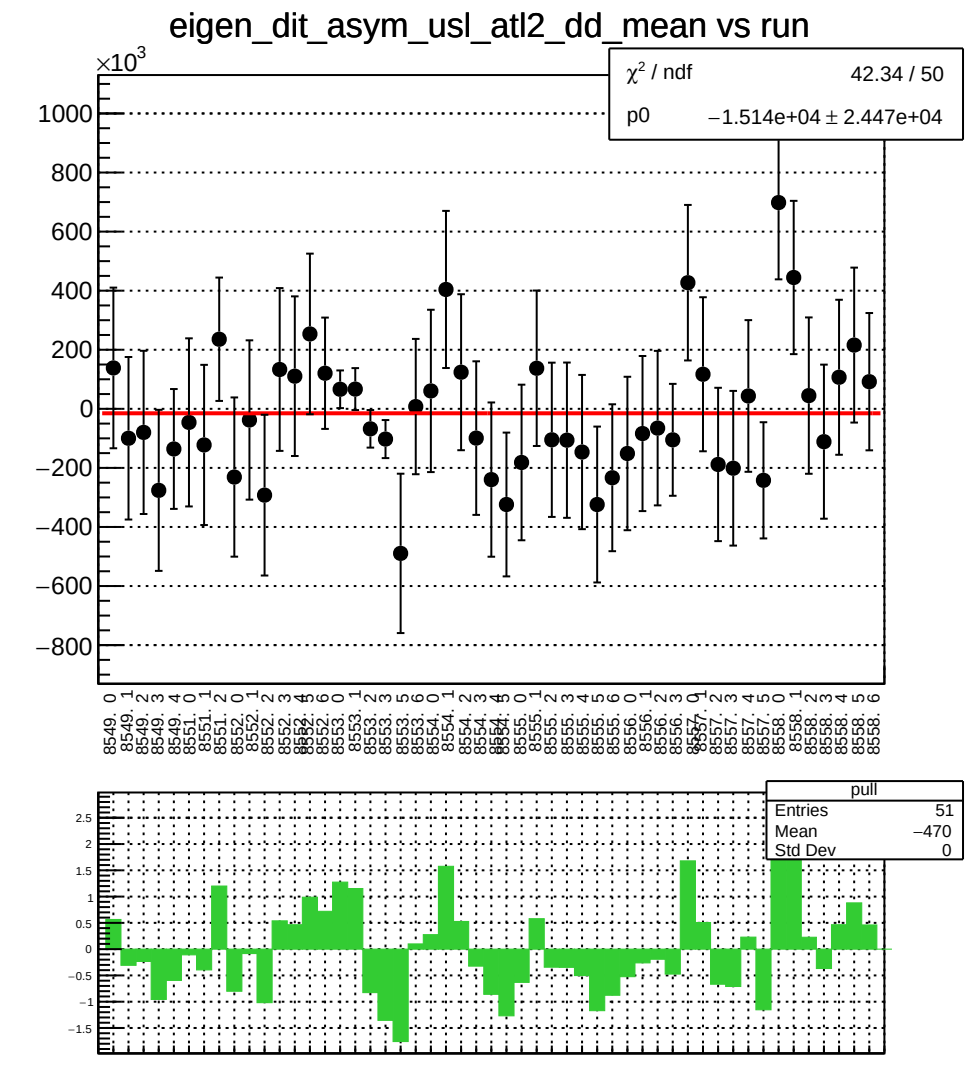

pull1D
Entries 51
Mean −0.003742
Std Dev 0.9111

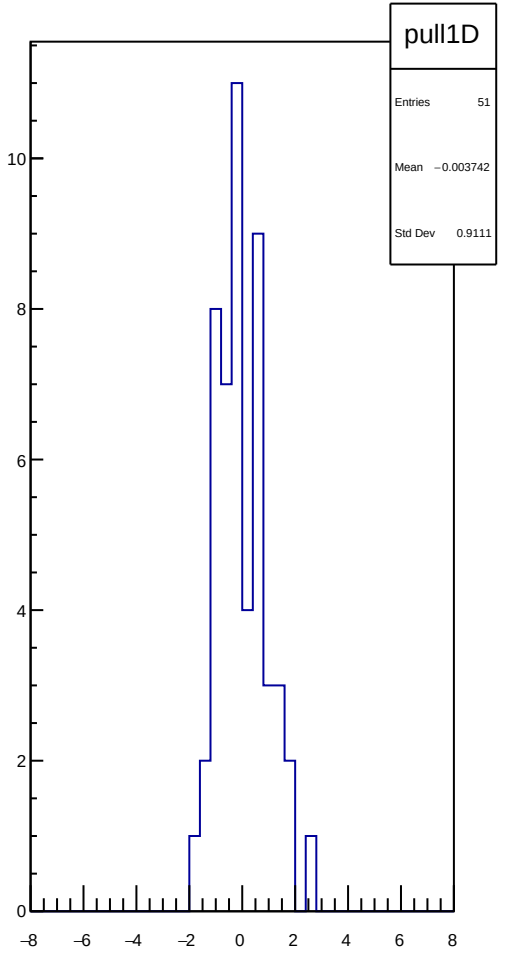

dit_asym_usl_atl2_dd_rms vs run
×10^3
χ² / ndf 3.148e+05 / 51
p0 1.46e+04 ± 17.3
800
700
600
500
400
300
200
100
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 1
8553. 2
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 5
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

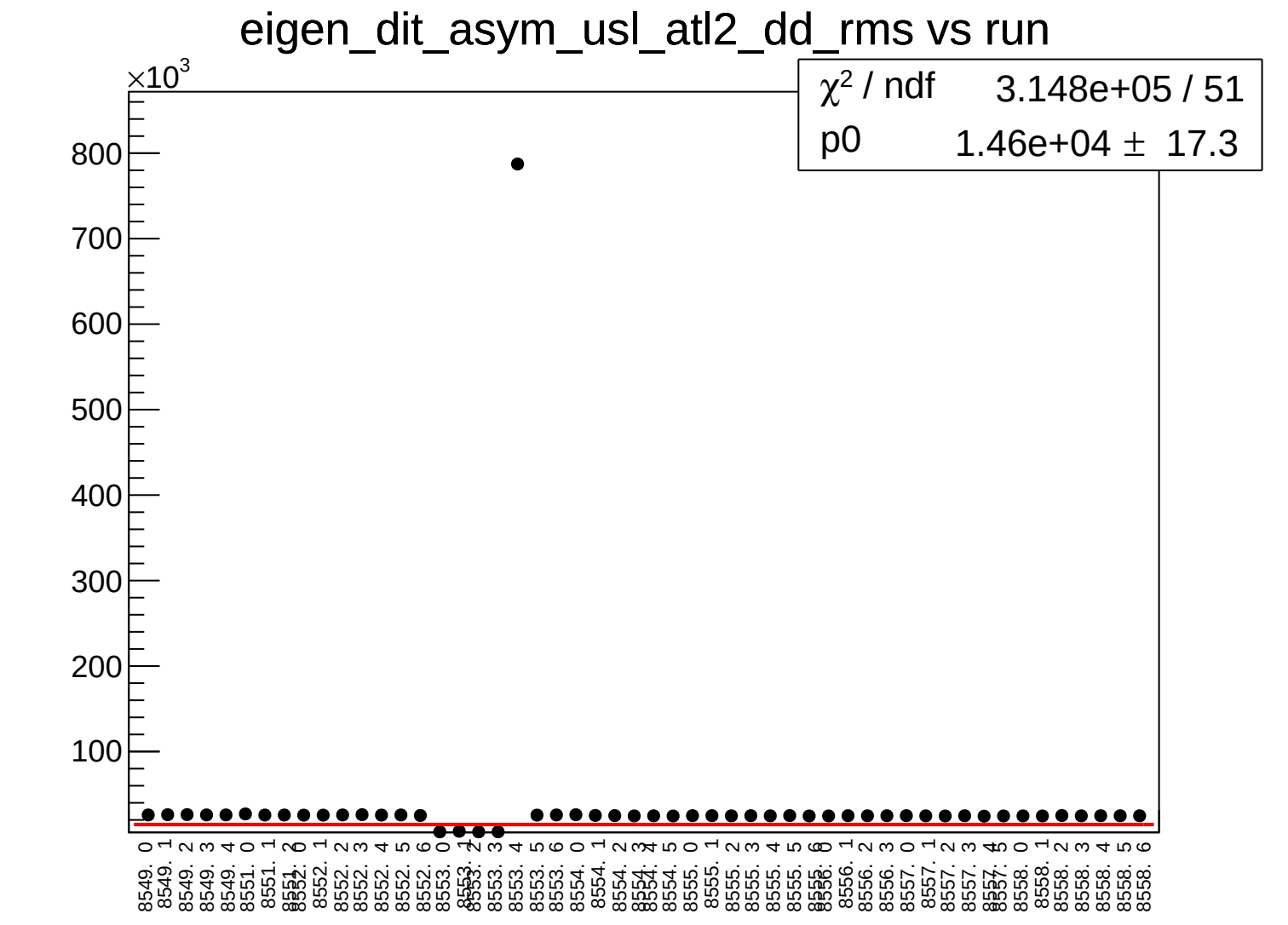

asym_usl_atl2_dd_dit_correction_mean vs run
χ² / ndf 44.83 / 51
p0 −1032 ± 765.9
20000
10000
0
−10000
−20000
pull
Entries 52
Mean 130.3
Std Dev 0
2
1
0
−1
−2
−3

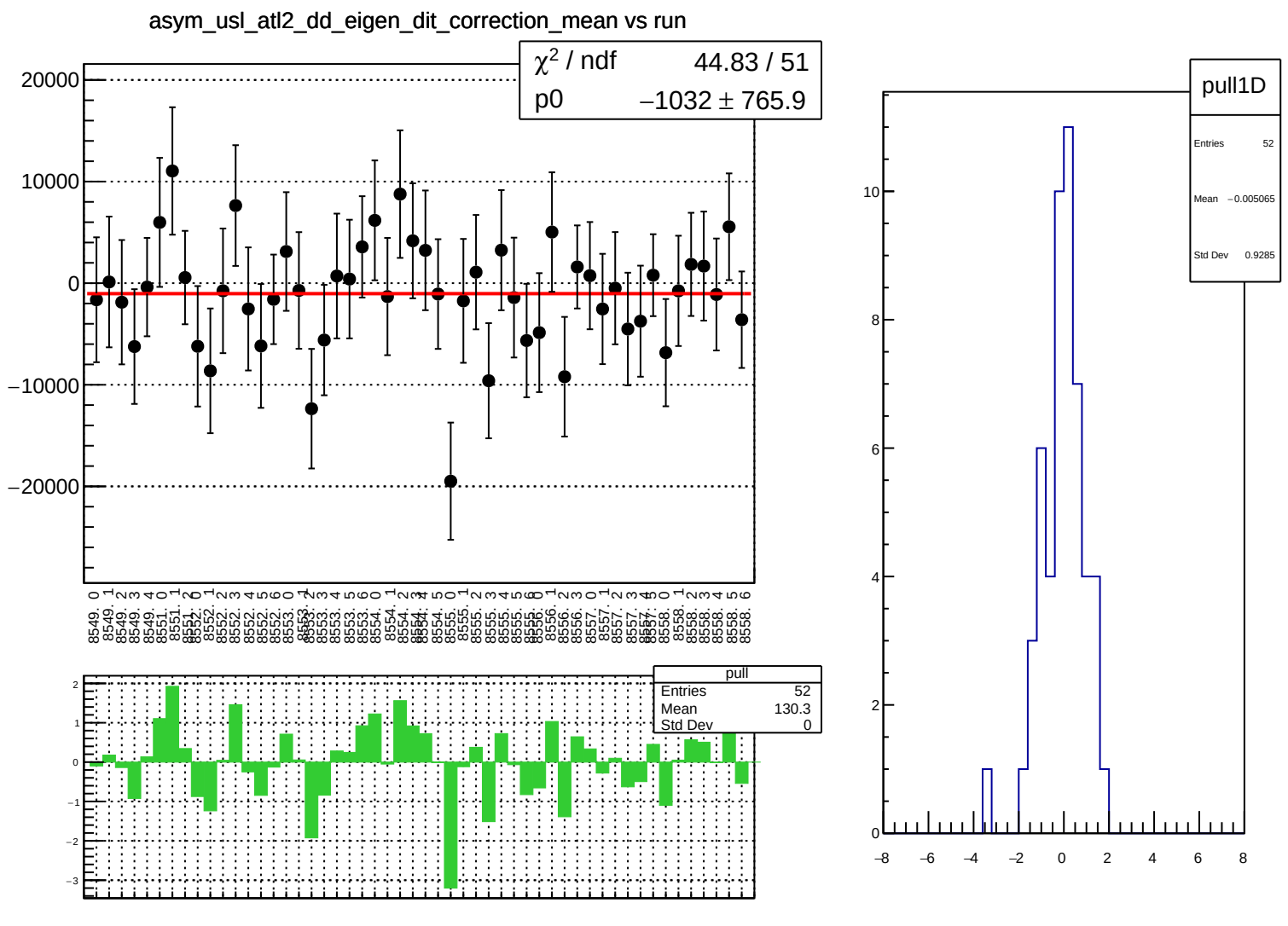

pull1D
Entries 52
Mean −0.005065
Std Dev 0.9285
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

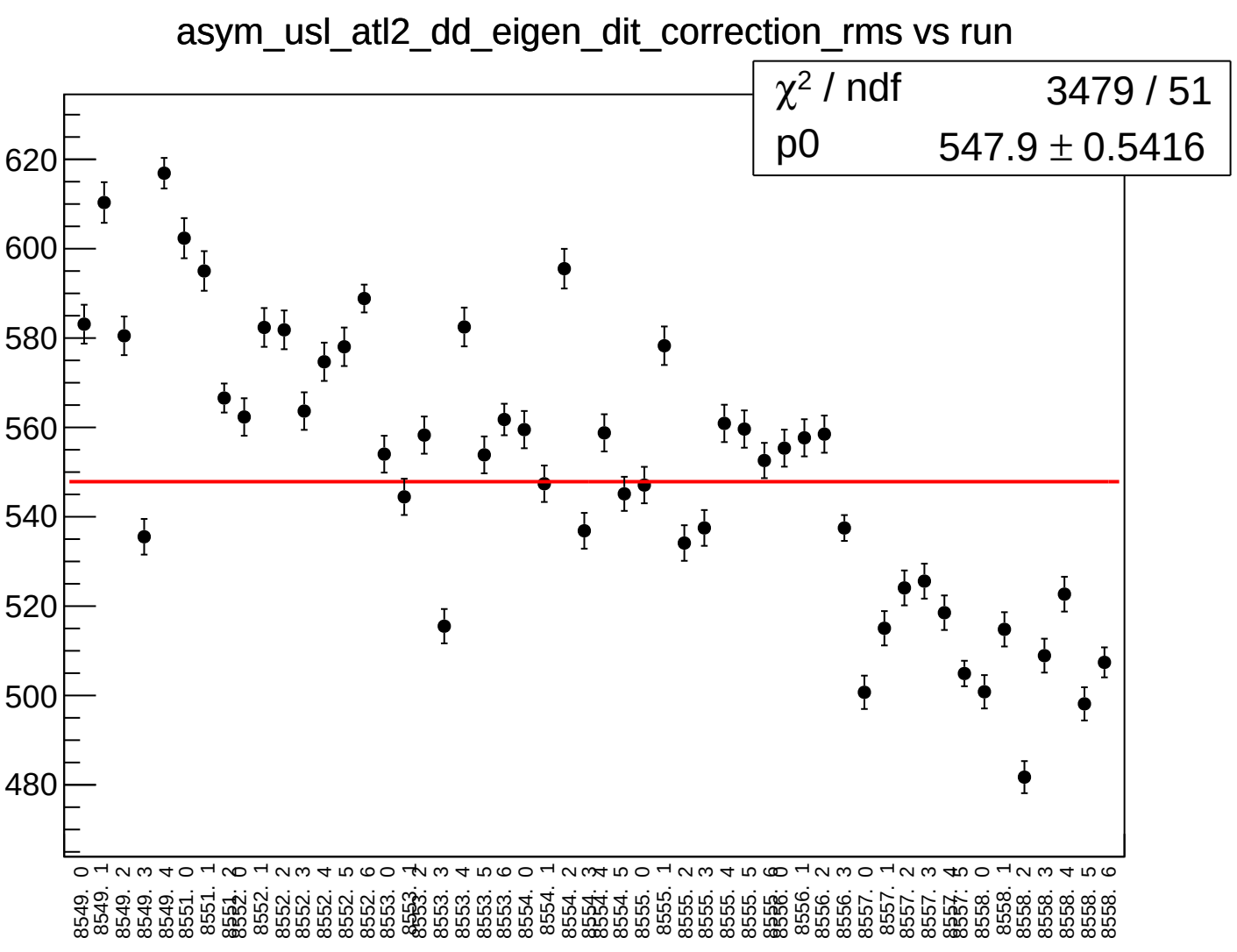

asym_usl_atl2_dd_dit_correction_rms vs run
χ² / ndf 3479 / 51
p0 547.9 ± 0.5416
620
600
580
560
540
520
500
480
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 5
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

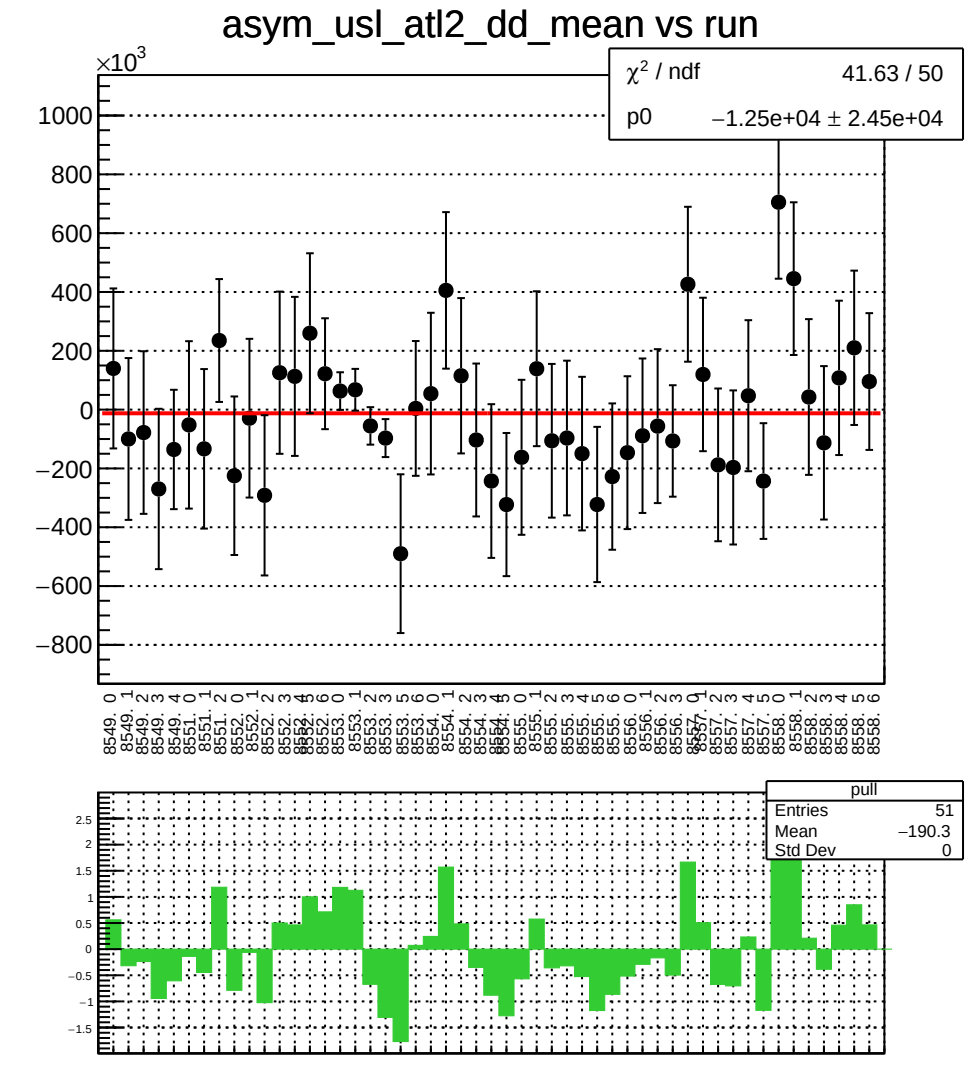

eigen_dit_asym_usl_atl2_dd_mean vs run
×10^3
χ² / ndf 42.34 / 50
p0 −1.514e+04 ± 2.447e+04
pull
Entries 51
Mean −470
Std Dev 0

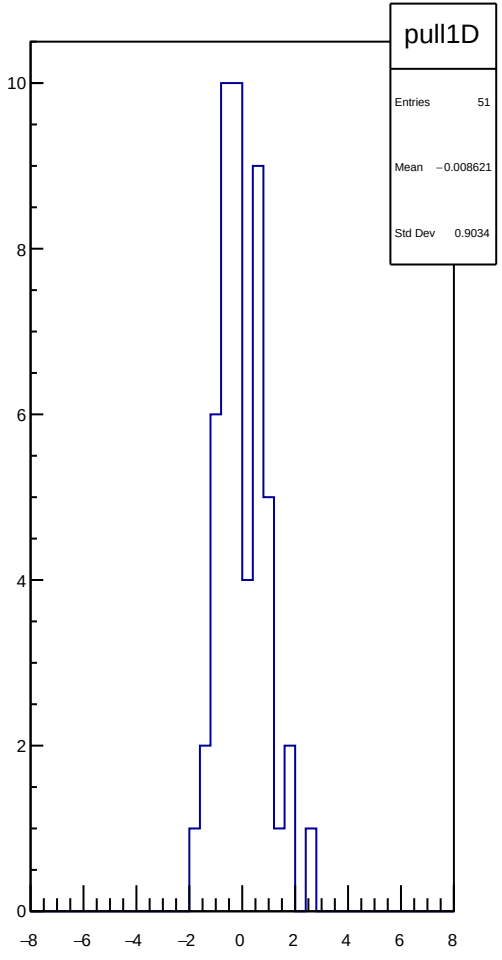

pull1D
Entries 51
Mean −0.003742
Std Dev 0.9111

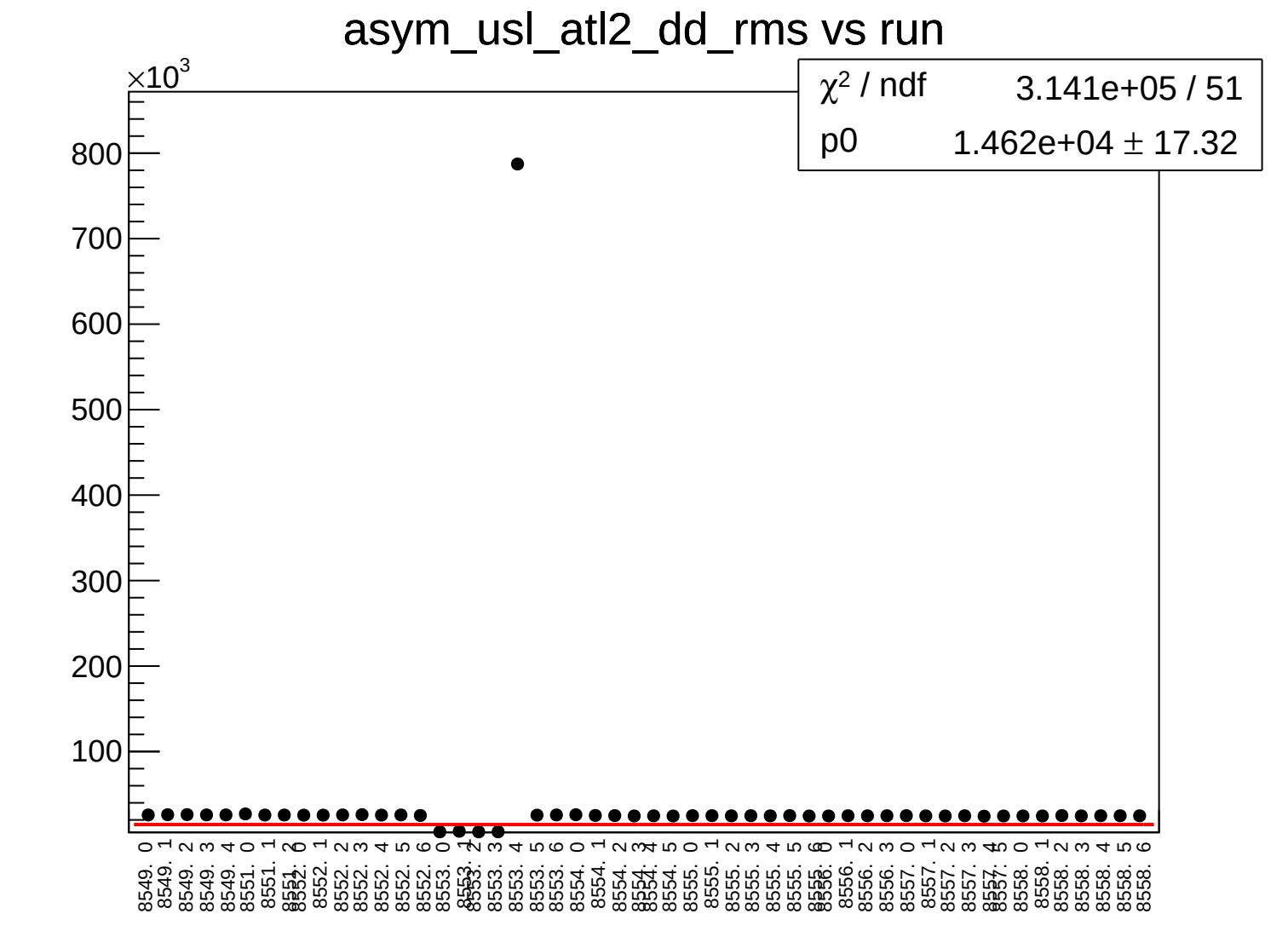

eigen_dit_asym_usl_atl2_dd_rms vs run
χ² / ndf 3.148e+05 / 51
p0 1.46e+04 ± 17.3
×10³
800
700
600
500
400
300
200
100
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

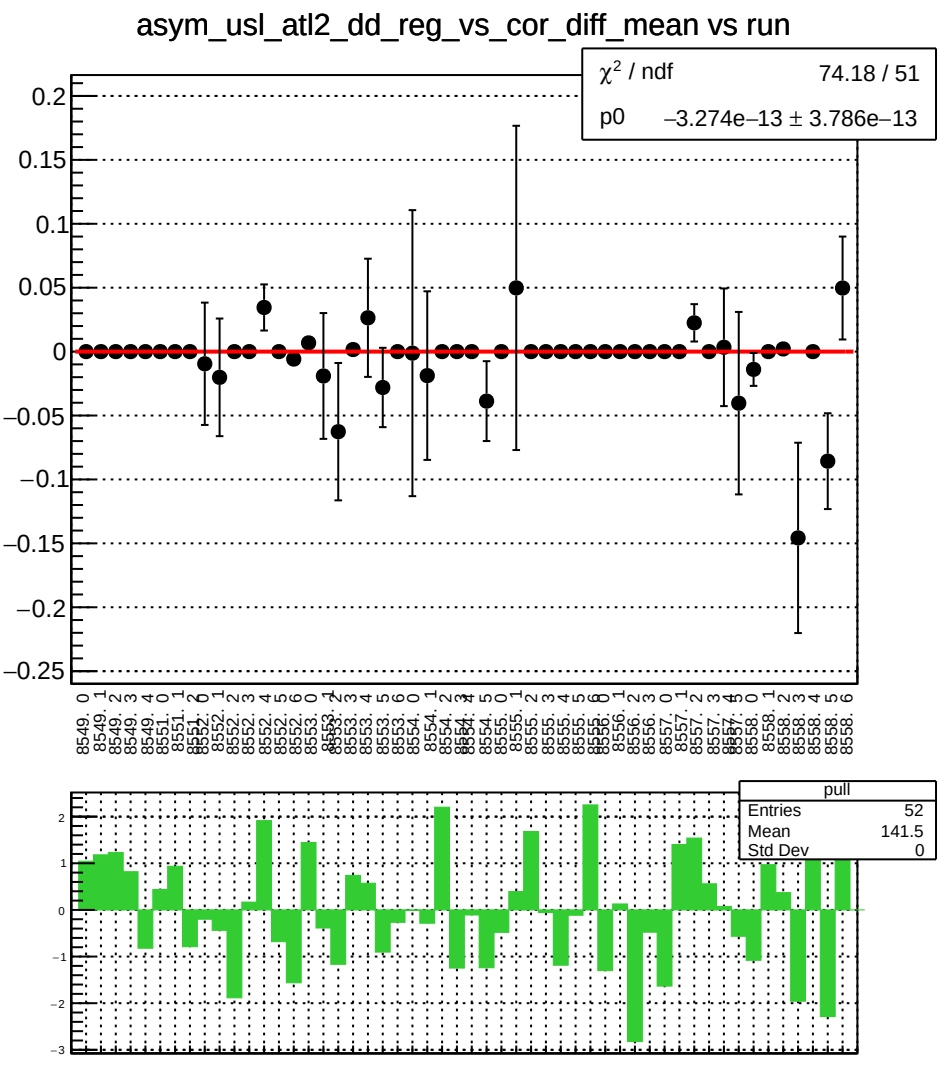

asym_usl_atl2_dd_eigen_dit_correction_mean vs run
χ² / ndf 44.83 / 51
p0 −1032 ± 765.9
20000
10000
0
−10000
−20000
pull
Entries 52
Mean 130.3
Std Dev 0
2
1
0
−1
−2
−3
pull1D
Entries 52
Mean −0.005065
Std Dev 0.9285
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

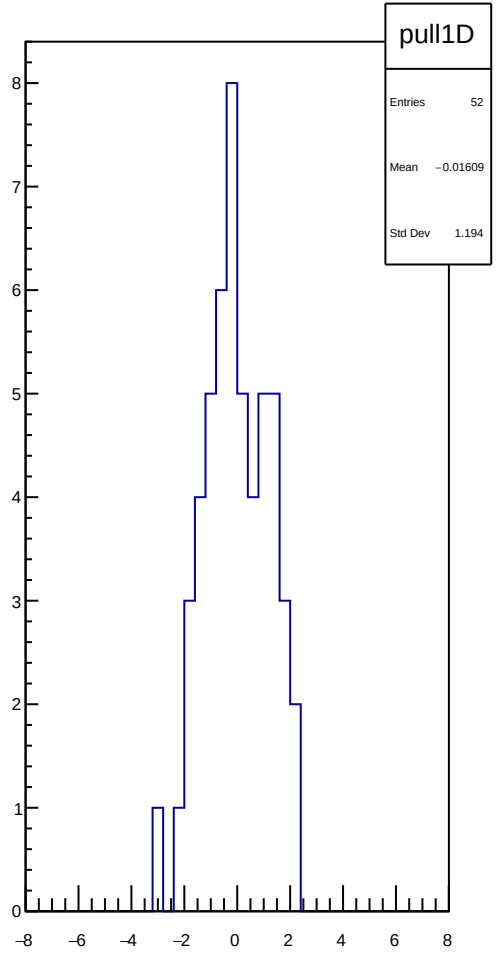

asym_usl_atl2_dd_eigen_dit_correction_rms vs run
χ² / ndf 3479 / 51
p0 547.9 ± 0.5416
620
600
580
560
540
520
500
480
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 5
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

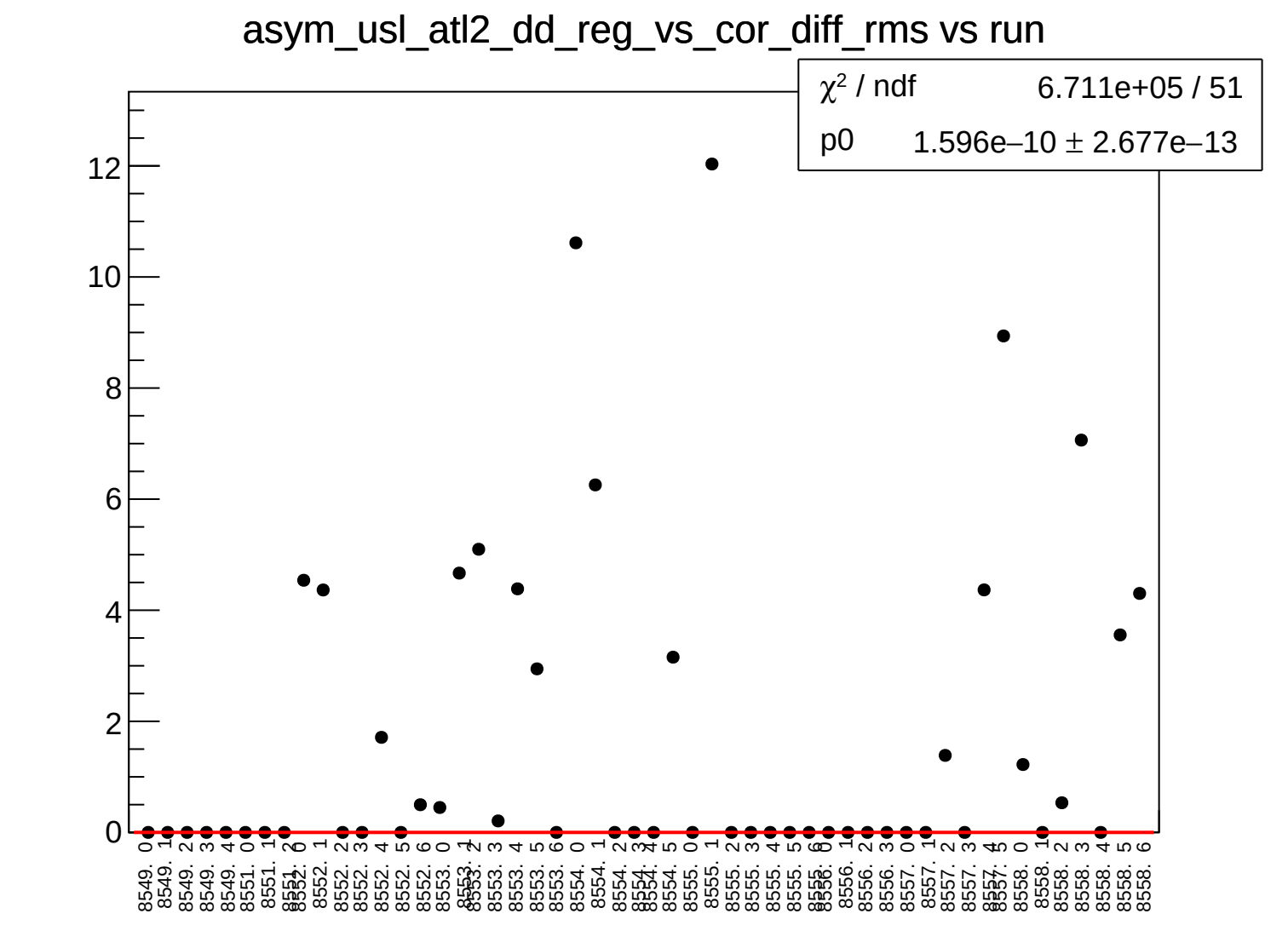

asym_usl_atl2_dd_mean vs run
×10^3
χ² / ndf 41.63 / 50
p0 −1.25e+04 ± 2.45e+04
pull
Entries 51
Mean −190.3
Std Dev 0

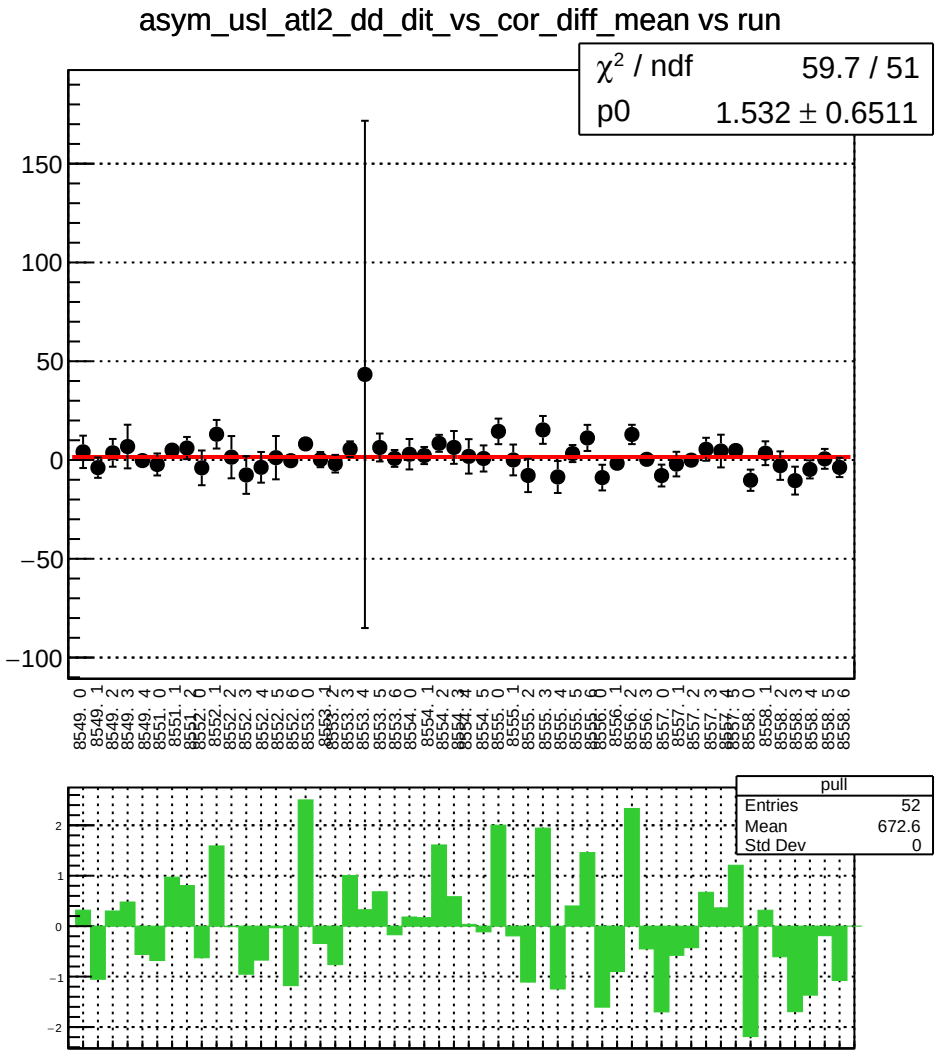

pull1D
Entries 51
Mean −0.008621
Std Dev 0.9034

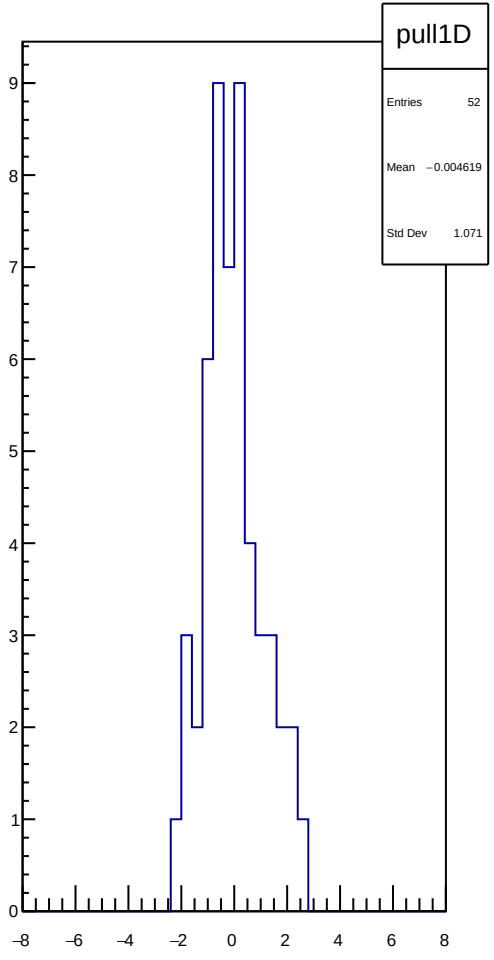

asym_usl_atl2_dd_rms vs run
χ² / ndf 3.141e+05 / 51
p0 1.462e+04 ± 17.32
×10³
800
700
600
500
400
300
200
100
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 0
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 1
8553. 2
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 5
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

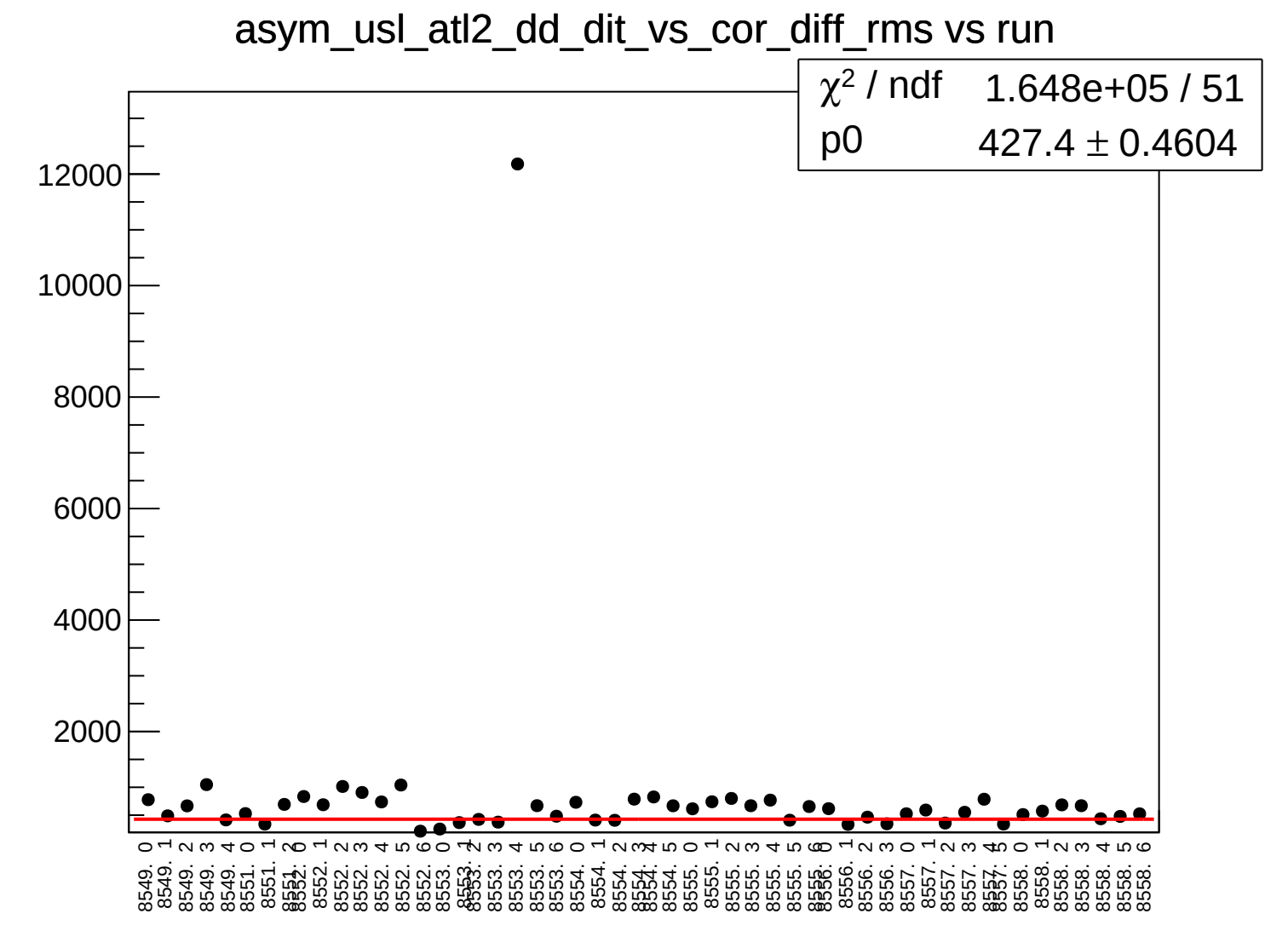

asym_usl_atl2_dd_reg_vs_cor_diff_mean vs run
χ² / ndf 74.18 / 51
p0 −3.274e−13 ± 3.786e−13
pull
Entries 52
Mean 141.5
Std Dev 0


pull1D
Entries 52
Mean −0.01609
Std Dev 1.194


asym_usl_atl2_dd_reg_vs_cor_diff_rms vs run
χ² / ndf 6.711e+05 / 51
p0 1.596e−10 ± 2.677e−13
0
2
4
6
8
10
12
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 0
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 1
8553. 2
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 3
8554. 4
8554. 5
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8555. 6
8556. 0
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8557. 4
8557. 5
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6


asym_usl_atl2_dd_dit_vs_cor_diff_mean vs run
χ² / ndf 59.7 / 51
p0 1.532 ± 0.6511
150
100
50
0
−50
−100
pull
Entries 52
Mean 672.6
Std Dev 0
2
1
0
−1
−2


pull1D
Entries 52
Mean −0.004619
Std Dev 1.071
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


asym_usl_atl2_dd_dit_vs_cor_diff_rms vs run
χ² / ndf 1.648e+05 / 51
p0 427.4 ± 0.4604
12000
10000
8000
6000
4000
2000
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
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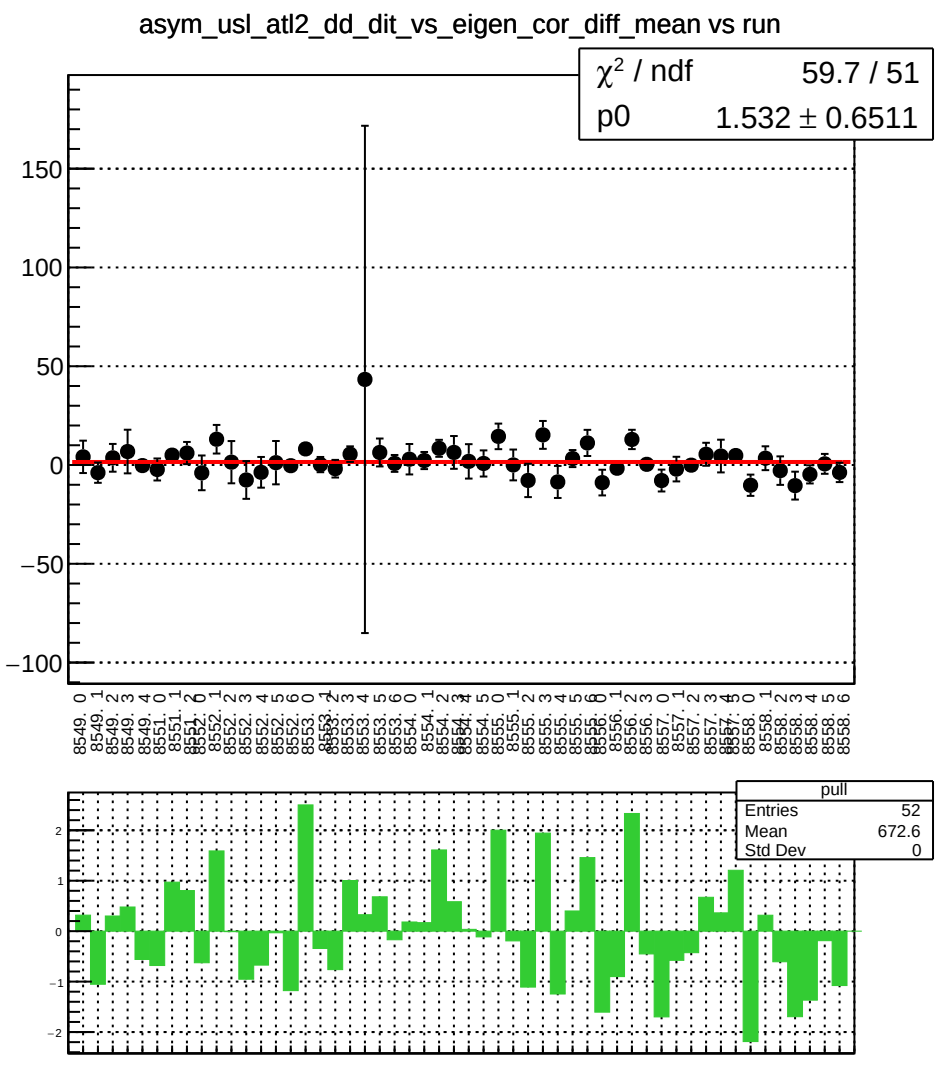
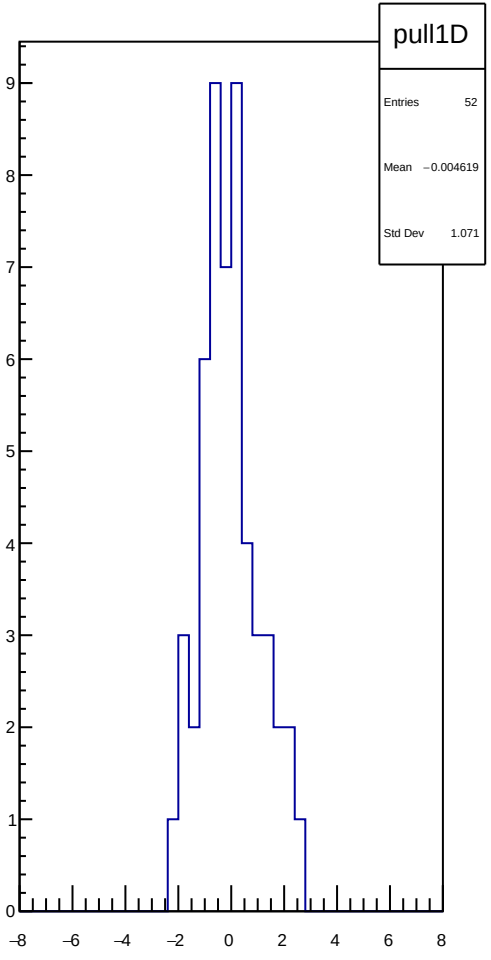
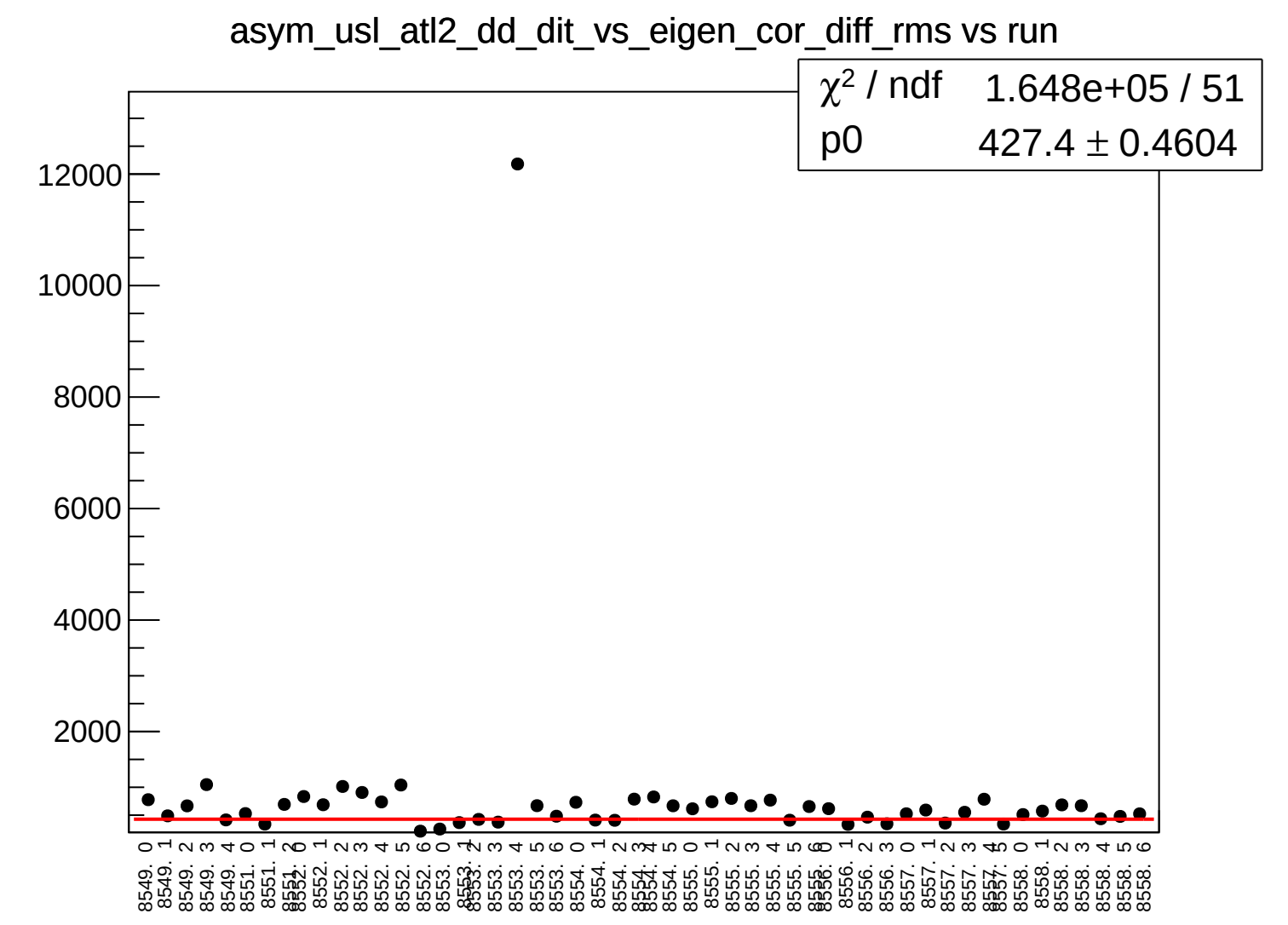
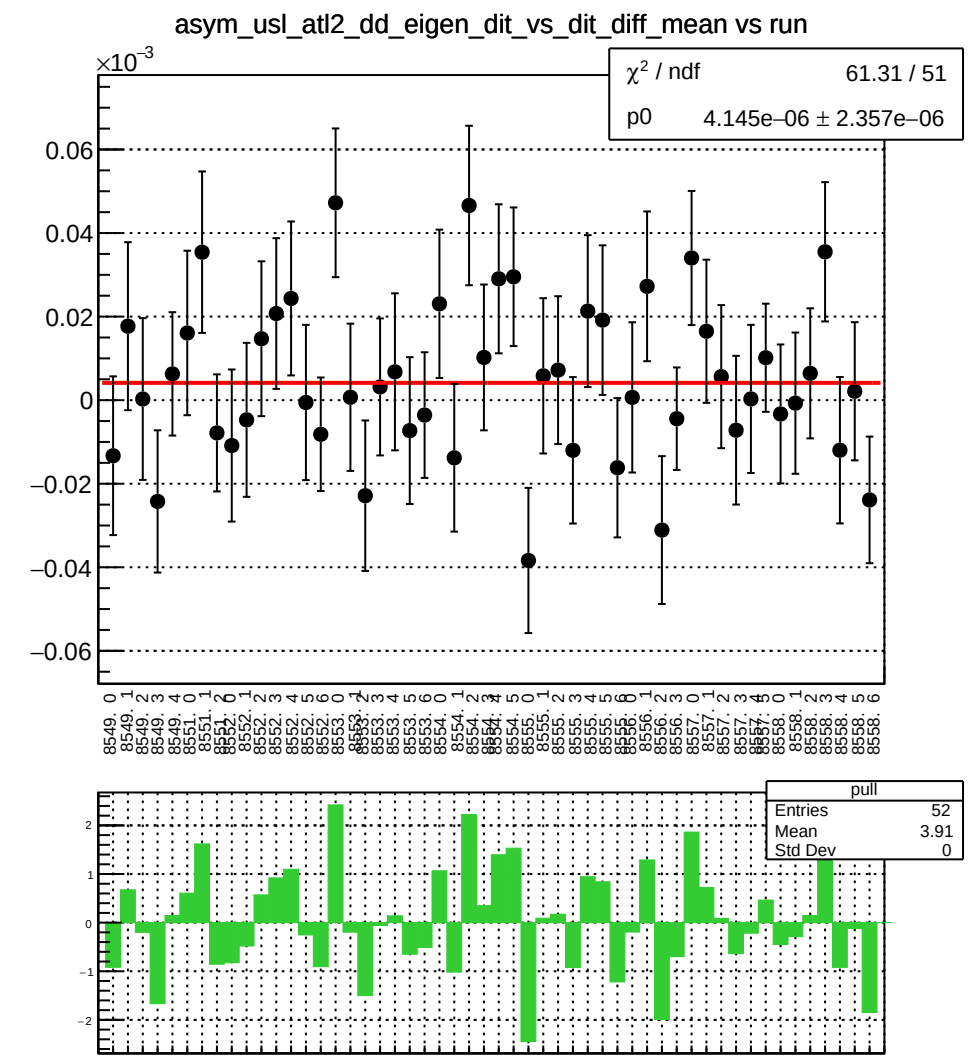
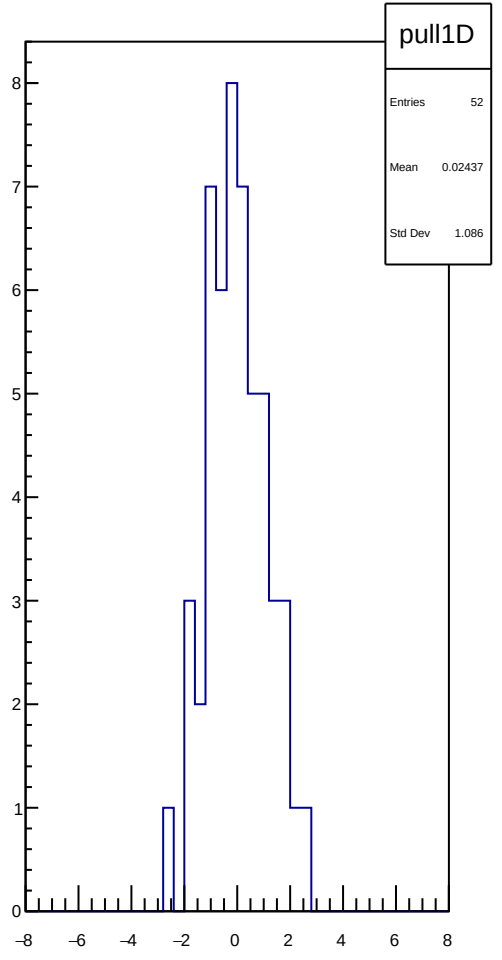
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

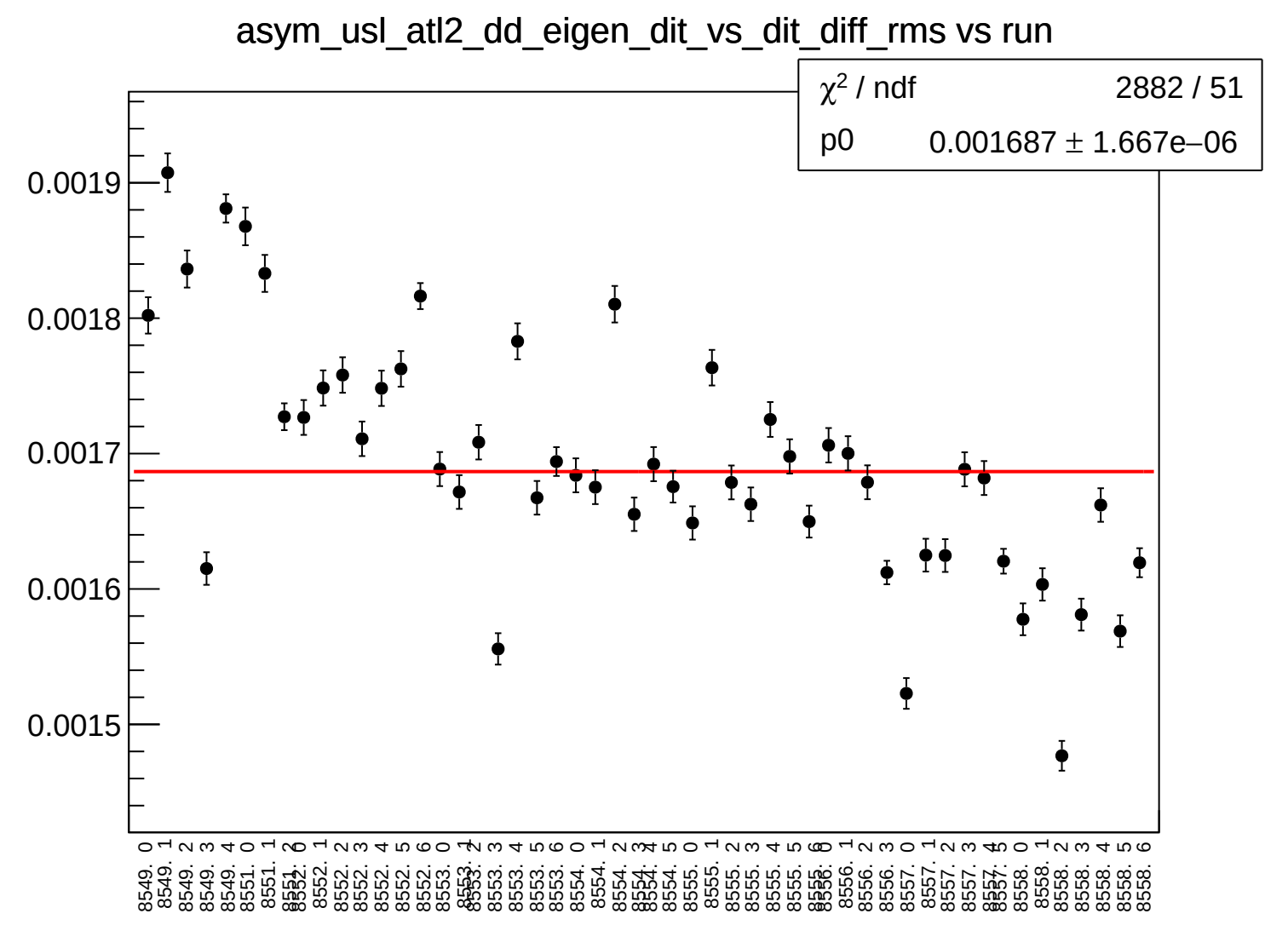

asym_usl_atl2_dd_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 59.7 / 51
p0 1.532 ± 0.6511
150
100
50
0
−50
−100
pull
Entries 52
Mean 672.6
Std Dev 0
2
1
0
−1
−2

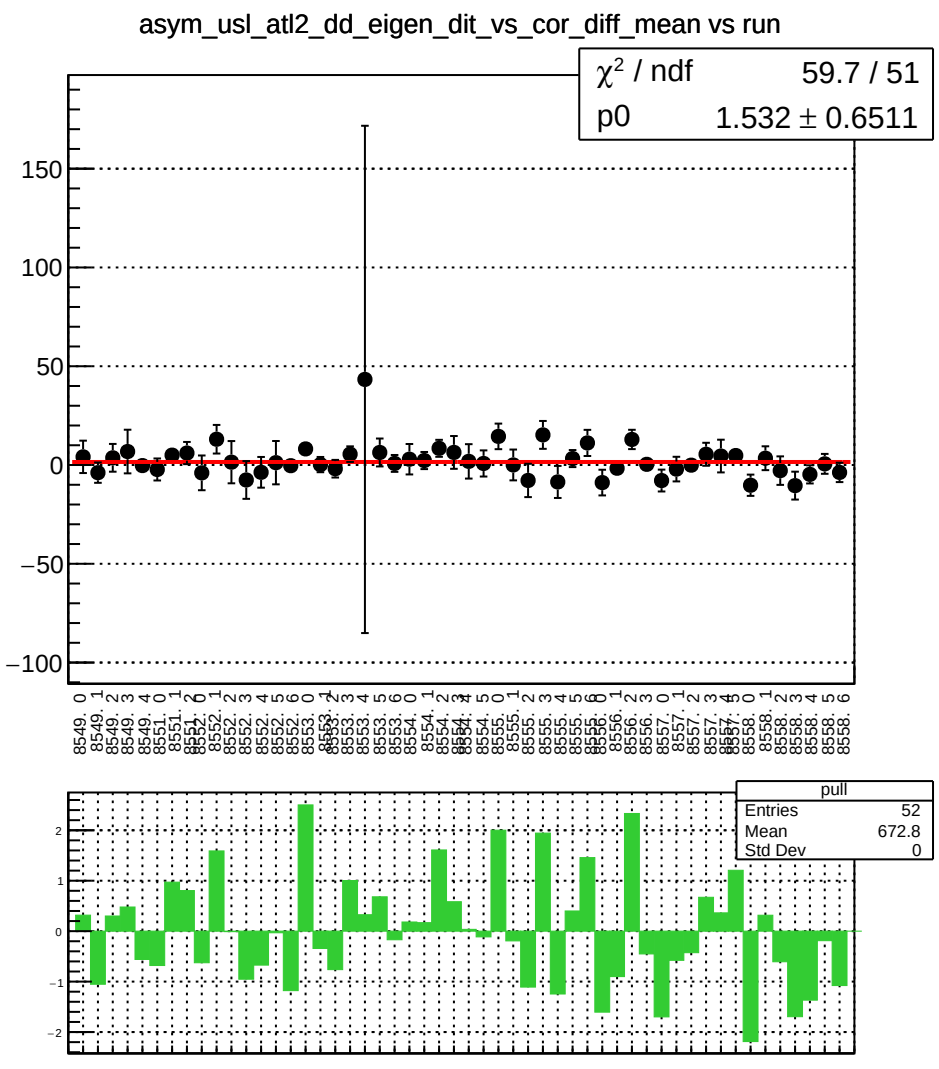

pull1D
Entries 52
Mean −0.004619
Std Dev 1.071
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

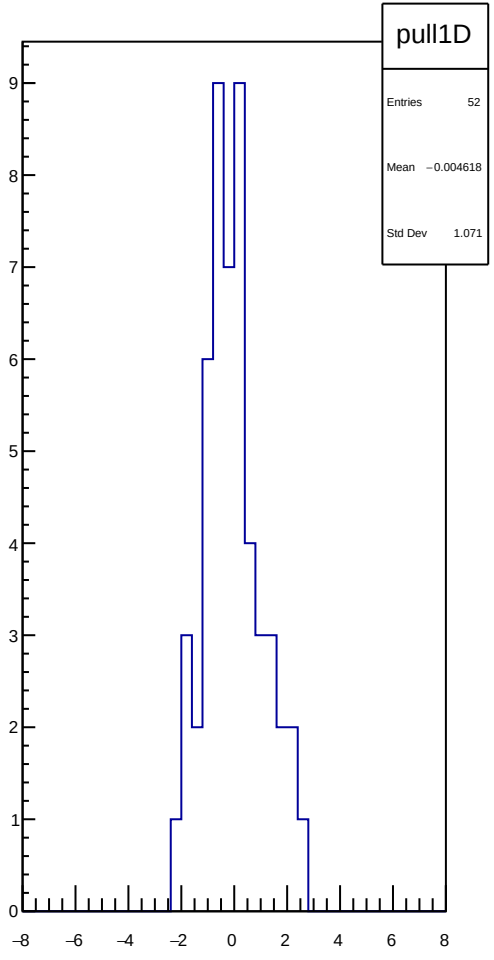

asym_usl_atl2_dd_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.648e+05 / 51
p0 427.4 ± 0.4604
12000
10000
8000
6000
4000
2000
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 0
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

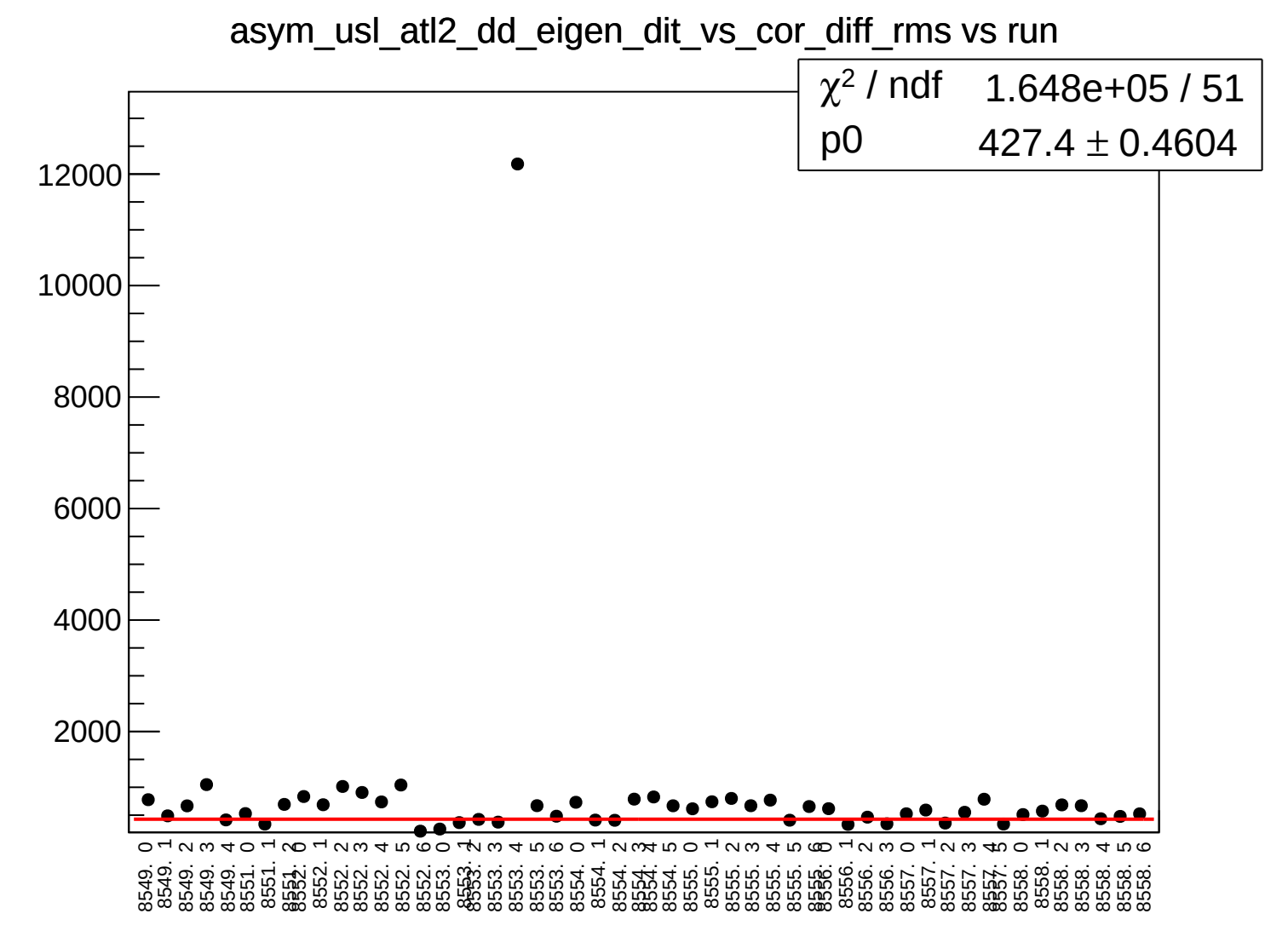

asym_usl_atl2_dd_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 61.31 / 51
p0 4.145e−06 ± 2.357e−06
0.06
0.04
0.02
0
−0.02
−0.04
−0.06
pull
Entries 52
Mean 3.91
Std Dev 0
2
1
0
−1
−2

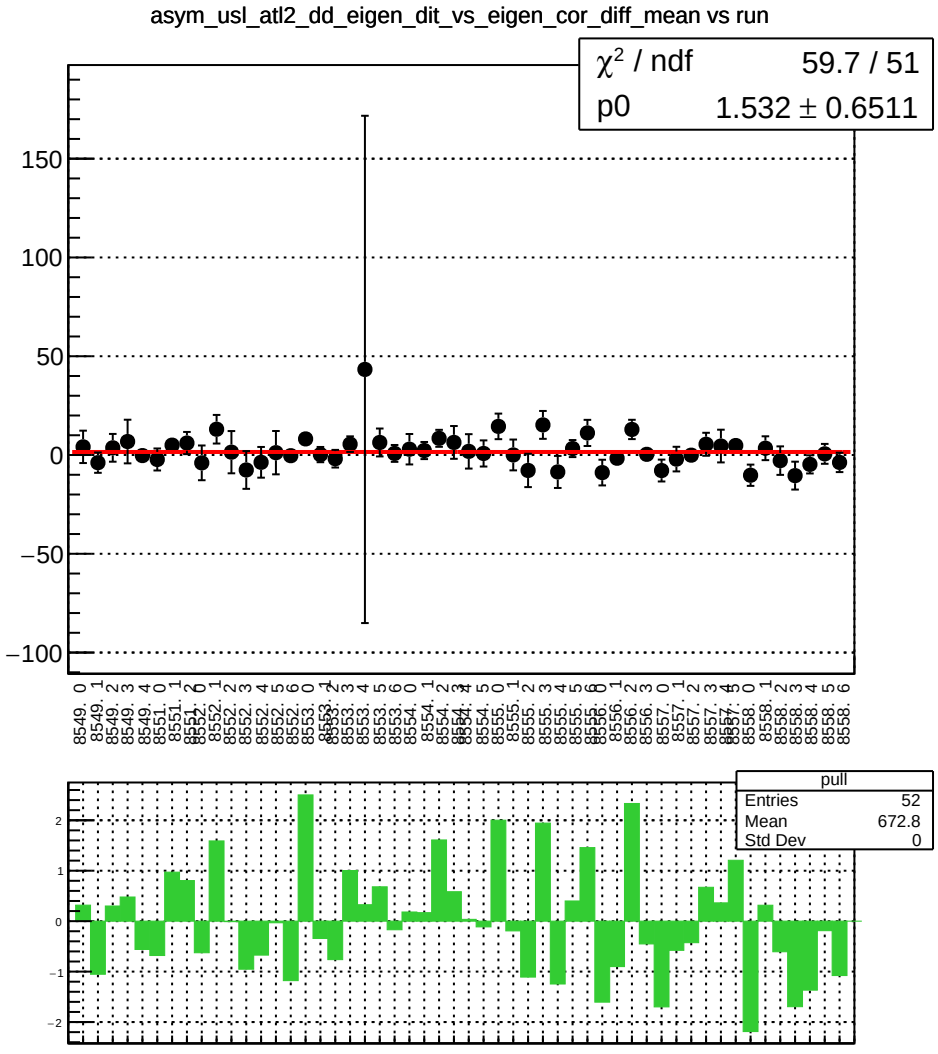

pull1D
Entries 52
Mean 0.02437
Std Dev 1.086
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

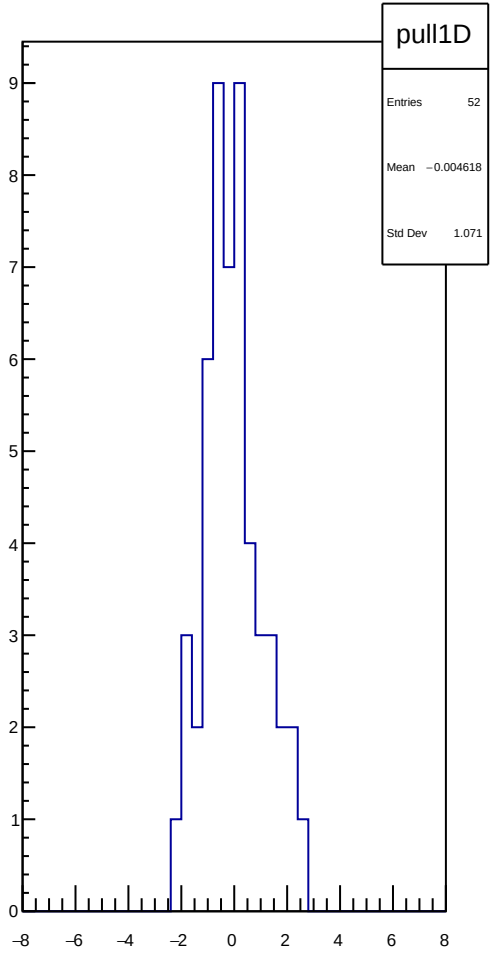

asym_usl_atl2_dd_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 2882 / 51
p0 0.001687 ± 1.667e−06
0.0019
0.0018
0.0017
0.0016
0.0015
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 5
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

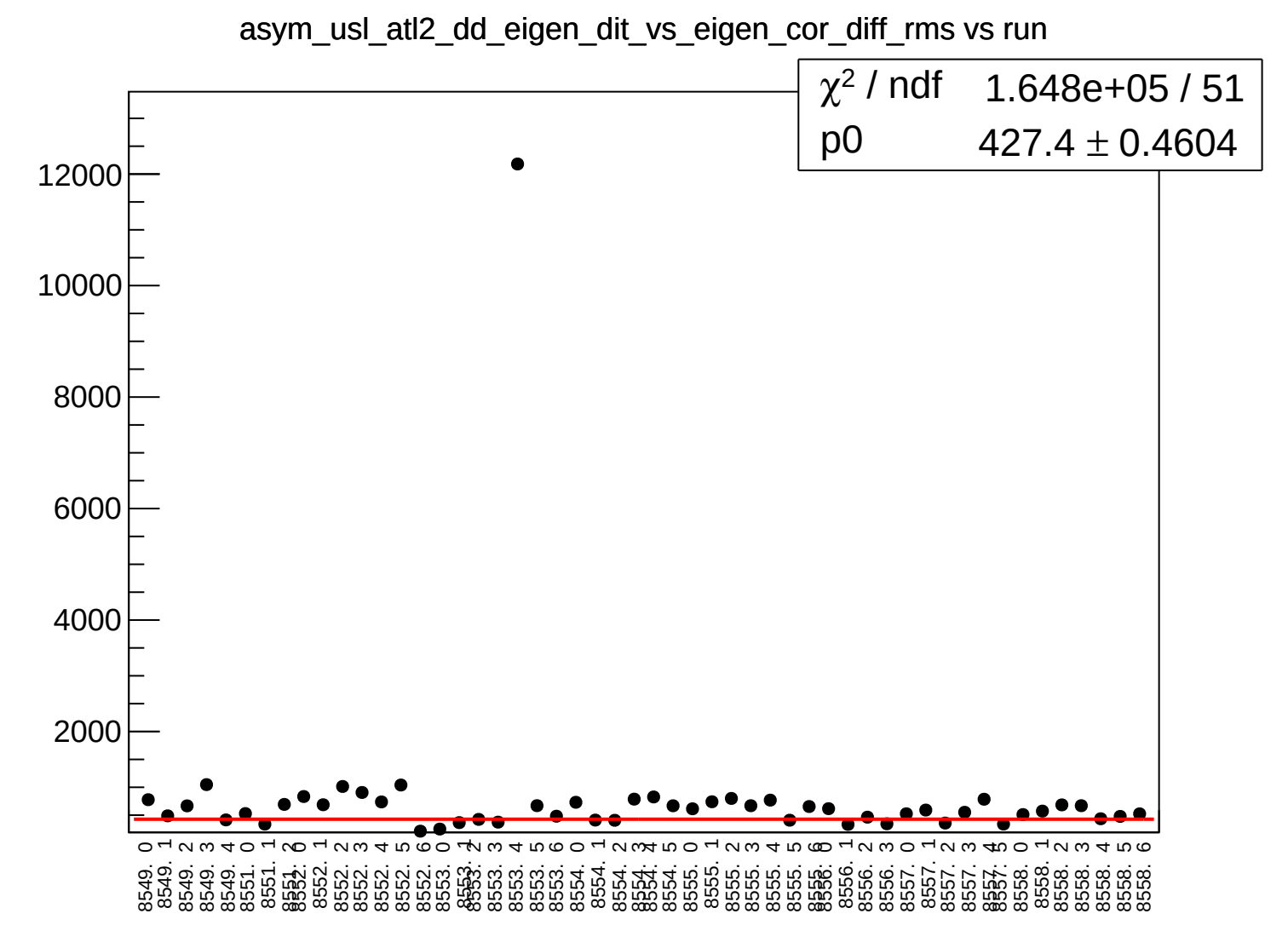

asym_usl_atl2_dd_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 59.7 / 51
p0 1.532 ± 0.6511
150
100
50
0
−50
−100
pull
Entries 52
Mean 672.8
Std Dev 0
2
1
0
−1
−2


pull1D
Entries 52
Mean −0.004618
Std Dev 1.071
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


asym_usl_atl2_dd_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 1.648e+05 / 51
p0 427.4 ± 0.4604
12000
10000
8000
6000
4000
2000
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6


asym_usl_atl2_dd_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 59.7 / 51
p0 1.532 ± 0.6511
150
100
50
0
−50
−100
pull
Entries 52
Mean 672.8
Std Dev 0
2
1
0
−1
−2


pull1D
Entries 52
Mean −0.004618
Std Dev 1.071
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


asym_usl_atl2_dd_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.648e+05 / 51
p0 427.4 ± 0.4604
12000
10000
8000
6000
4000
2000
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
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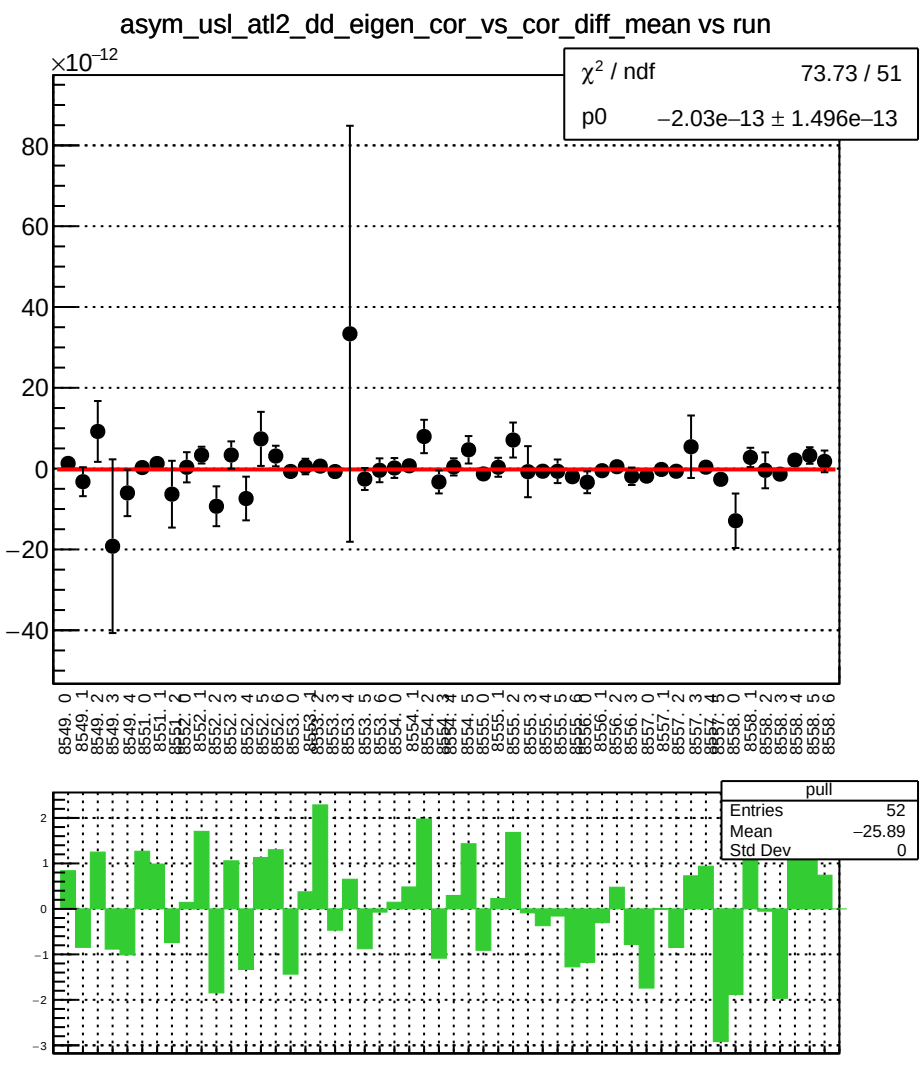
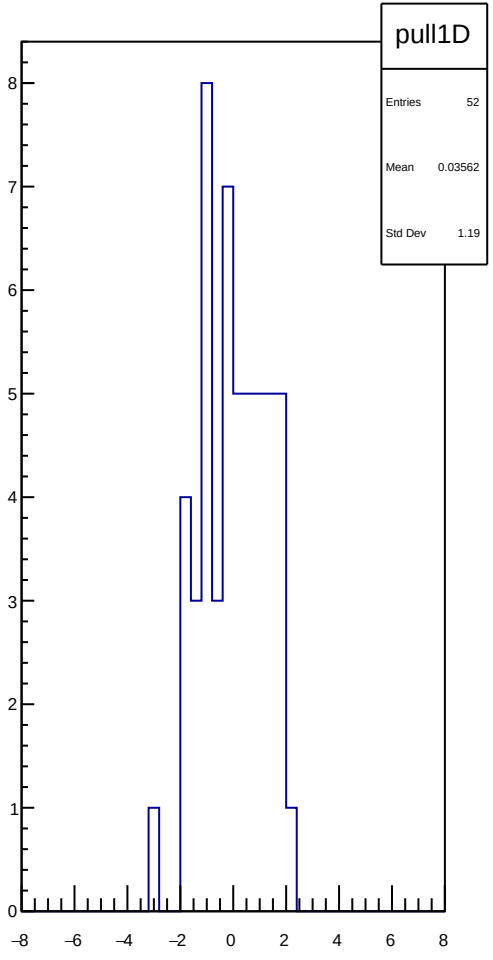
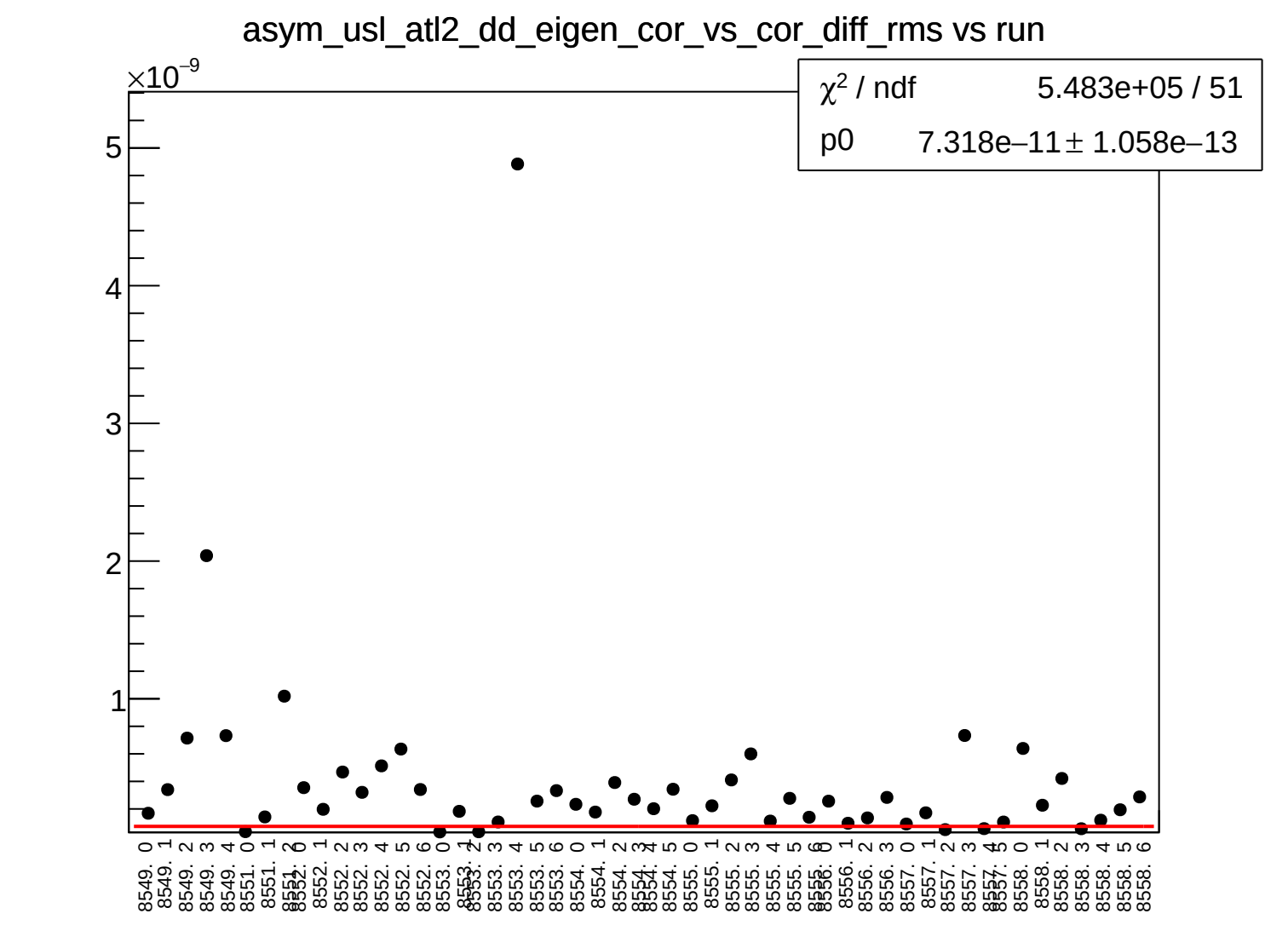
8558. 5
8558. 6


asym_usl_atl2_dd_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 73.73 / 51
p0 −2.03e−13 ± 1.496e−13
pull
Entries 52
Mean −25.89
Std Dev 0


pull1D
Entries 52
Mean 0.03562
Std Dev 1.19


asym_usl_atl2_dd_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 5.483e+05 / 51
p0 7.318e−11 ± 1.058e−13
5
4
3
2
1
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8551. 2
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
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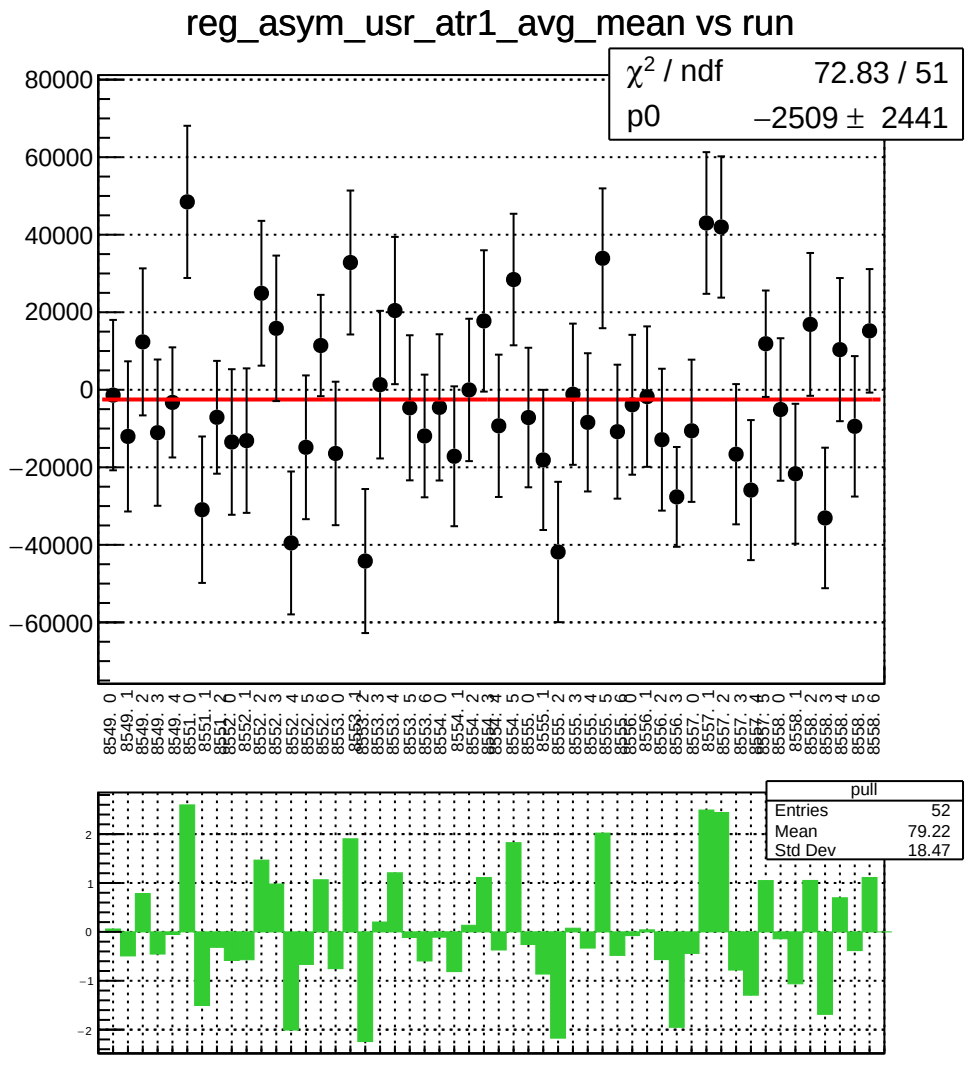
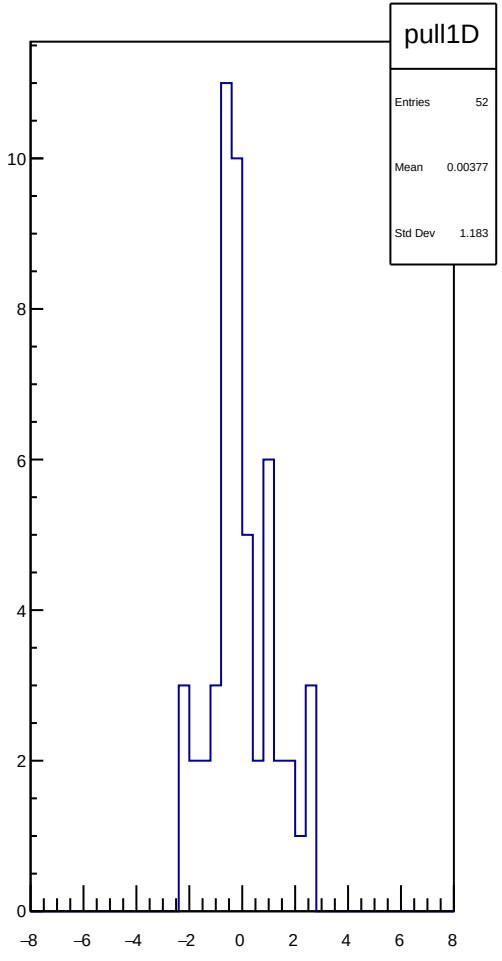
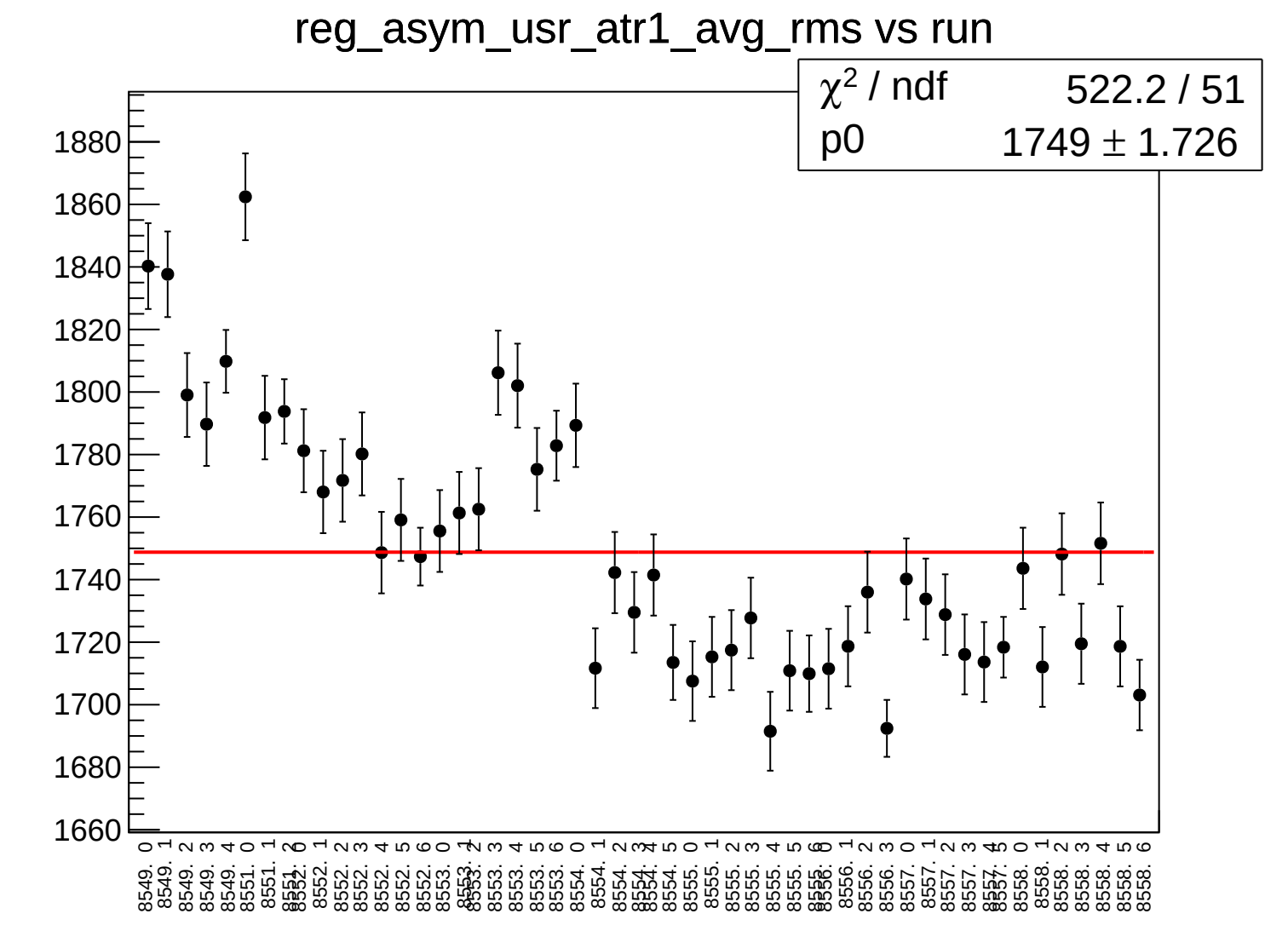
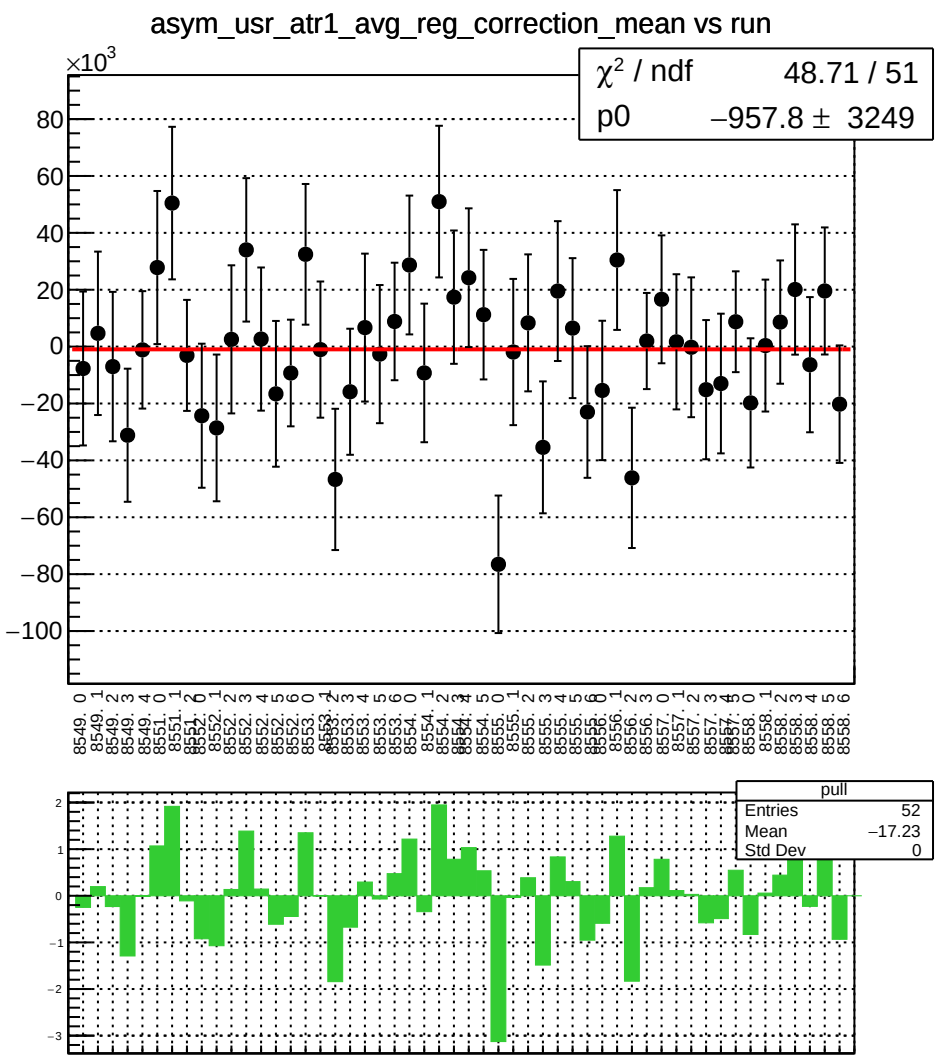
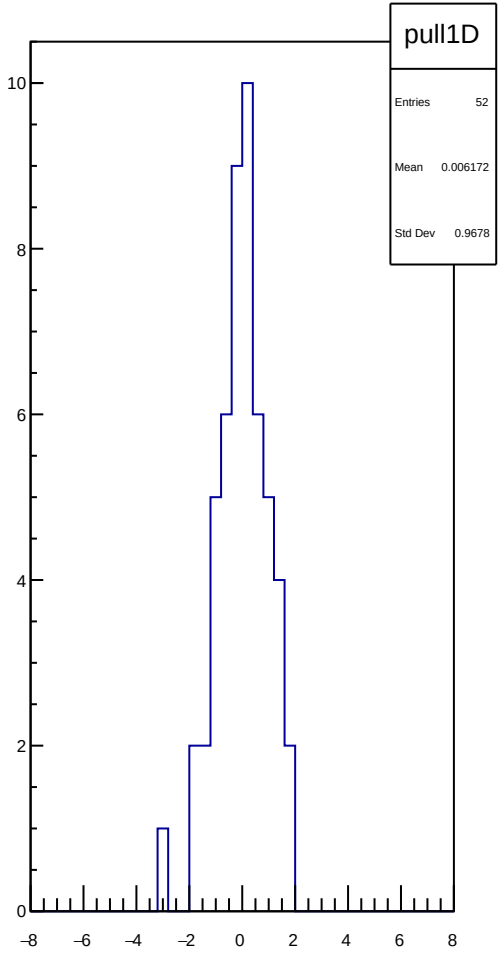
8558. 5
8558. 6

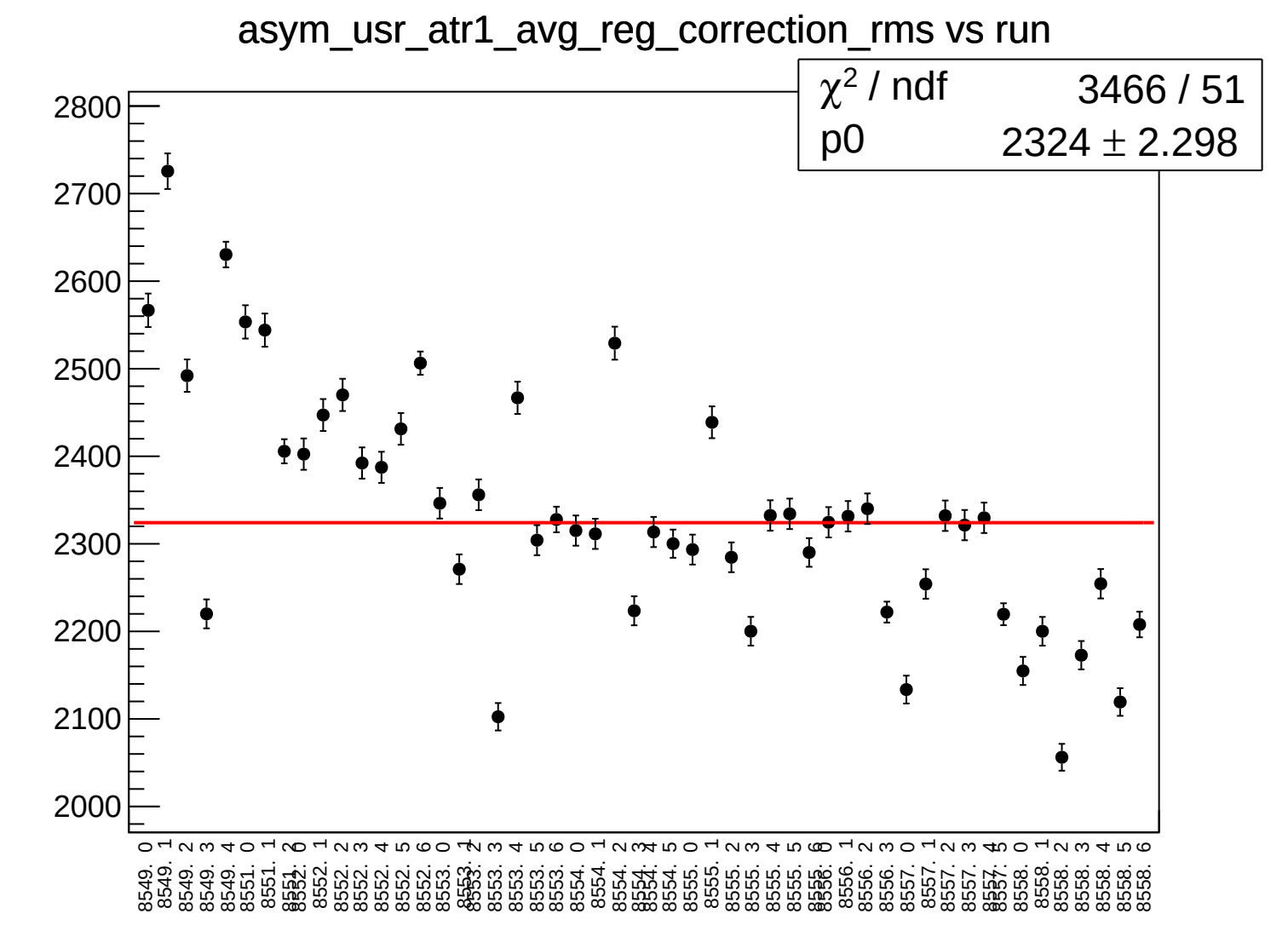

reg_asym_usr_atr1_avg_mean vs run
χ² / ndf 72.83 / 51
p0 −2509 ± 2441
pull
Entries 52
Mean 79.22
Std Dev 18.47


pull1D
Entries 52
Mean 0.00377
Std Dev 1.183


reg_asym_usr_atr1_avg_rms vs run
χ² / ndf 522.2 / 51
p0 1749 ± 1.726
1880
1860
1840
1820
1800
1780
1760
1740
1720
1700
1680
1660
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6


asym_usr_atr1_avg_reg_correction_mean vs run
χ² / ndf 48.71 / 51
p0 −957.8 ± 3249
pull
Entries 52
Mean −17.23
Std Dev 0


pull1D
Entries 52
Mean 0.006172
Std Dev 0.9678


asym_usr_atr1_avg_reg_correction_rms vs run
χ² / ndf 3466 / 51
p0 2324 ± 2.298
2800
2700
2600
2500
2400
2300
2200
2100
2000
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
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8553. 6
8554. 0
8554. 1
8554. 2
8554. 5
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8555. 1
8555. 2
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8555. 4
8555. 5
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8556. 2
8556. 3
8557. 0
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8557. 3
8558. 0
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8558. 2
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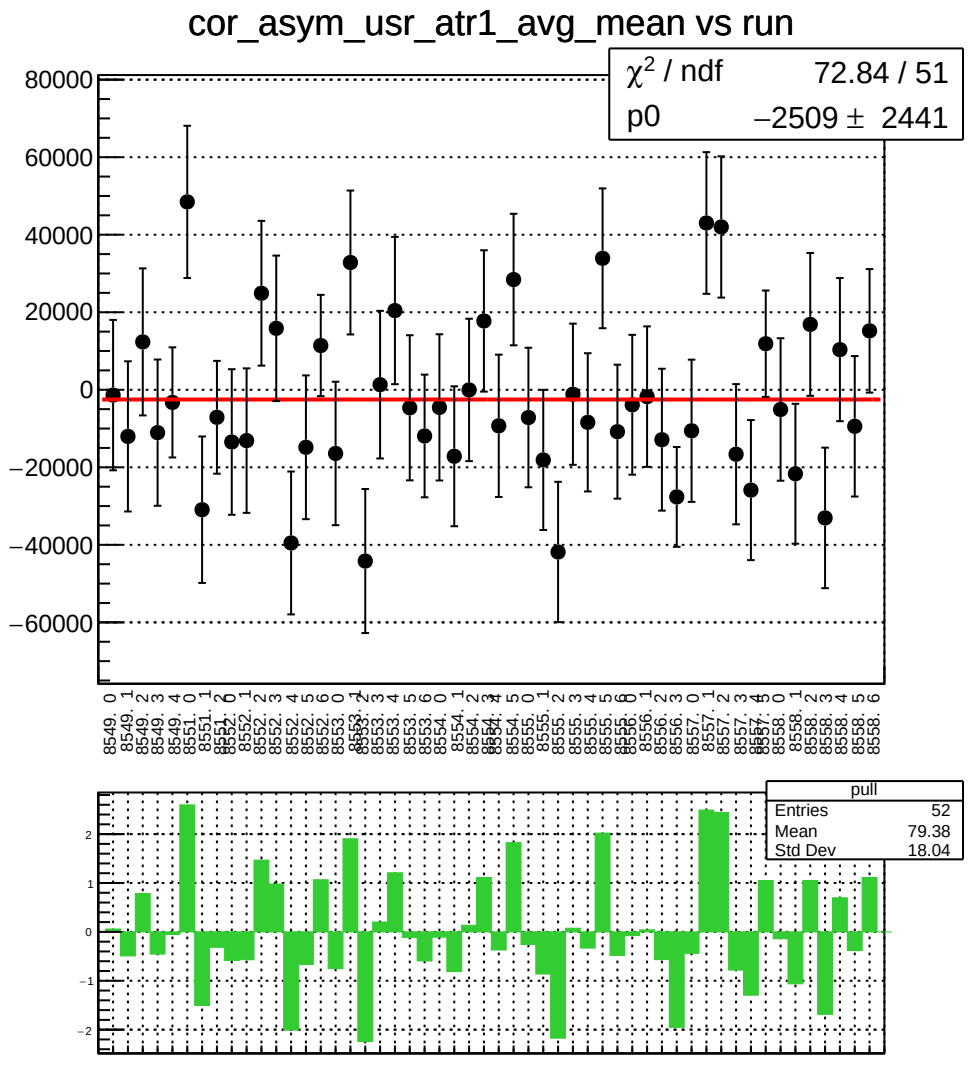
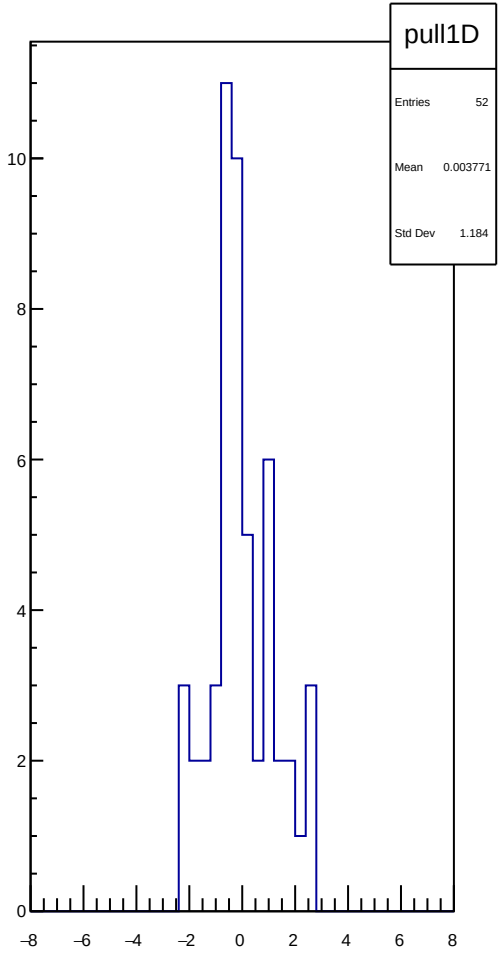
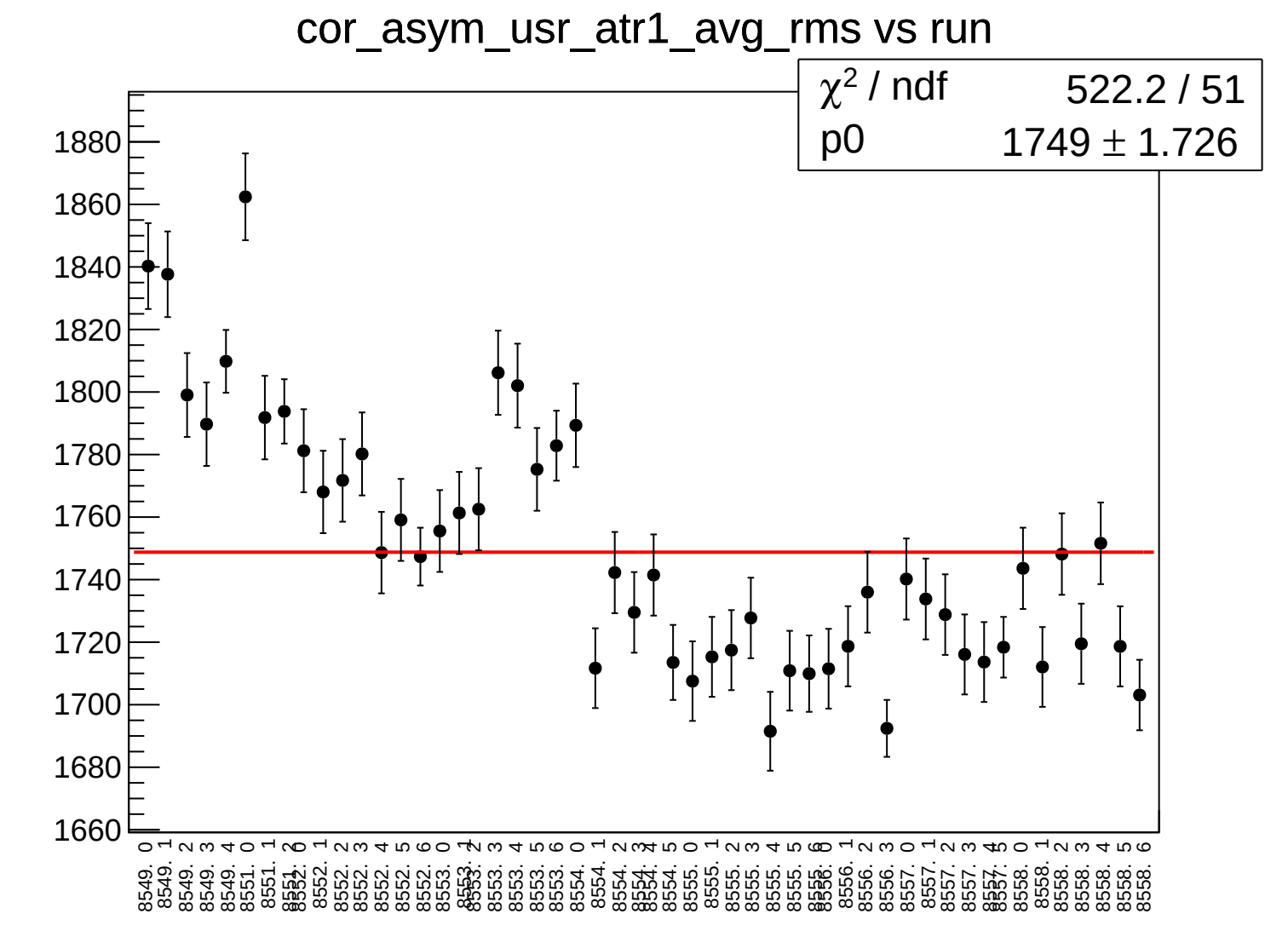
8558. 6


cor_asym_usr_atr1_avg_mean vs run
χ² / ndf 72.84 / 51
p0 −2509 ± 2441
pull
Entries 52
Mean 79.38
Std Dev 18.04


pull1D
Entries 52
Mean 0.003771
Std Dev 1.184


cor_asym_usr_atr1_avg_rms vs run
χ² / ndf 522.2 / 51
p0 1749 ± 1.726
1880
1860
1840
1820
1800
1780
1760
1740
1720
1700
1680
1660
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
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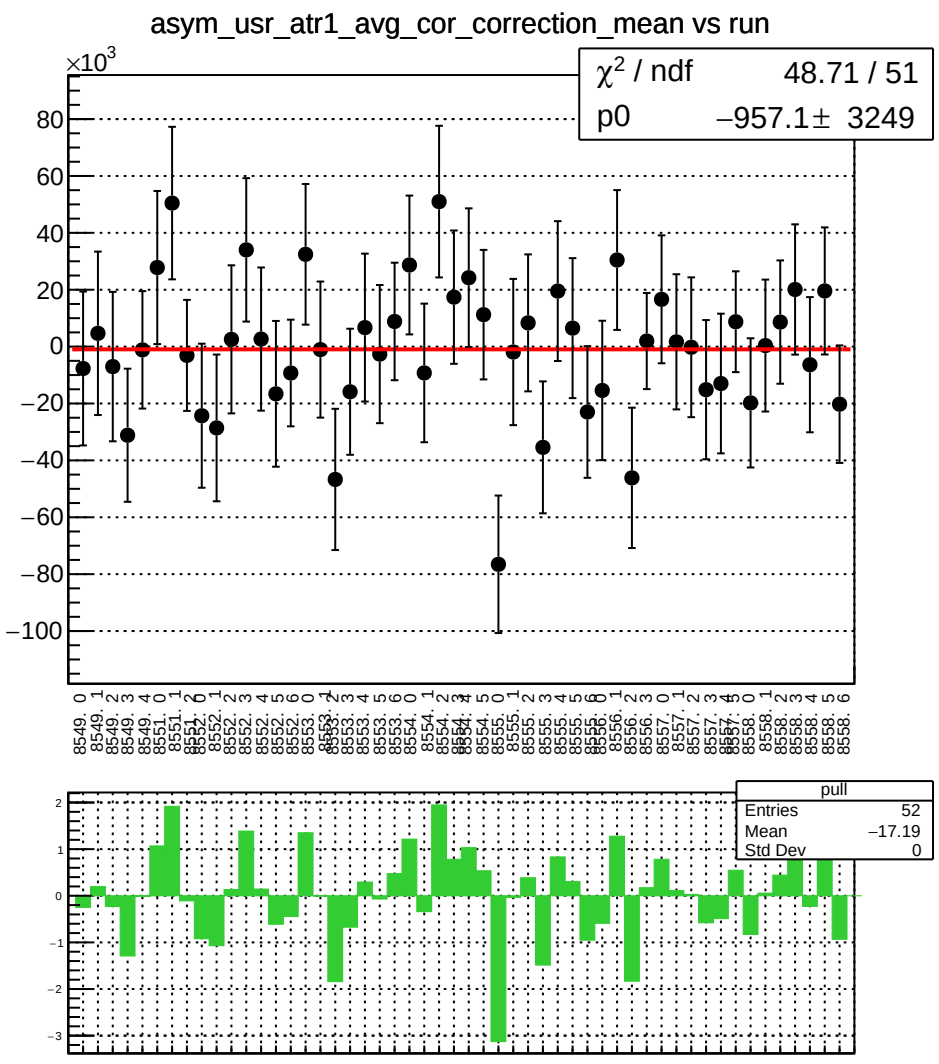
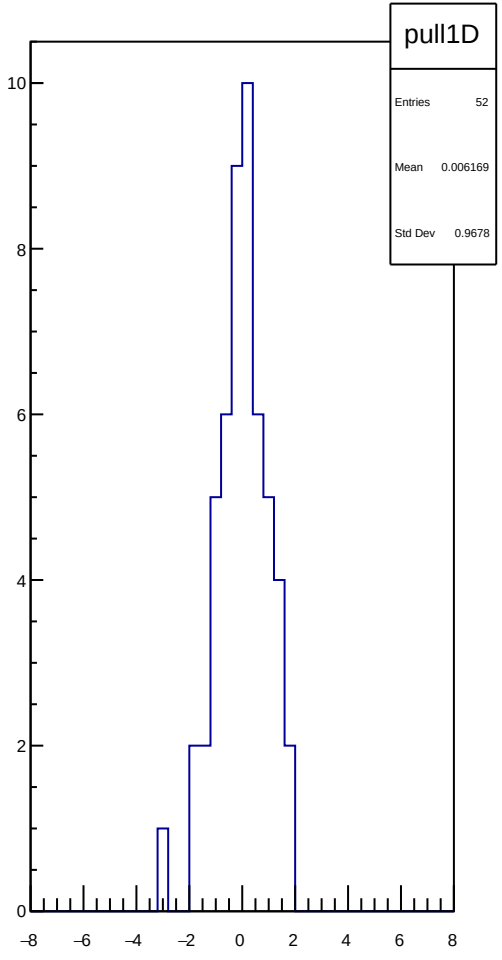
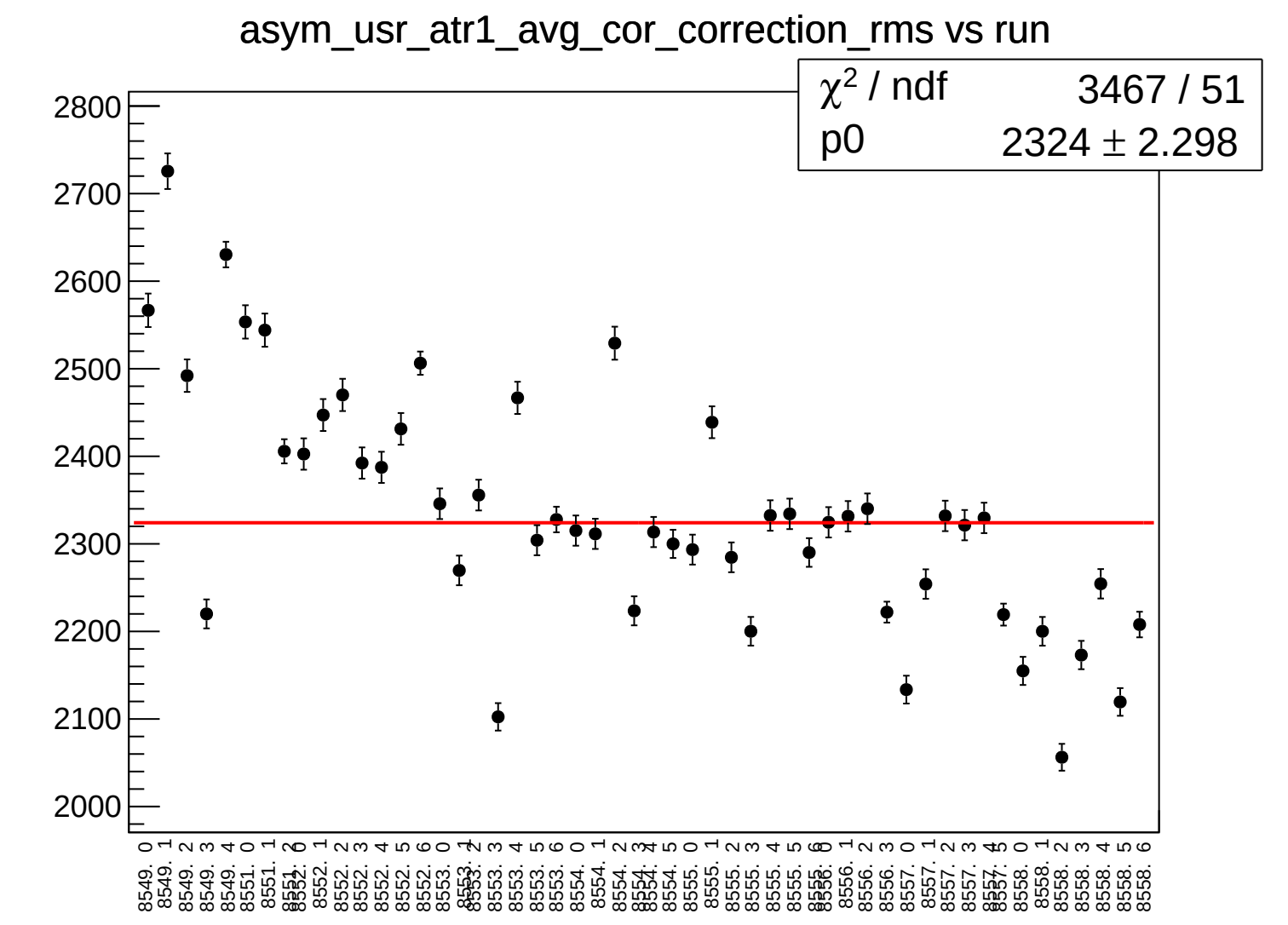
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6


asym_usr_atr1_avg_cor_correction_mean vs run
χ² / ndf 48.71 / 51
p0 −957.1± 3249
pull
Entries 52
Mean −17.19
Std Dev 0


pull1D
Entries 52
Mean 0.006169
Std Dev 0.9678


asym_usr_atr1_avg_cor_correction_rms vs run
χ² / ndf 3467 / 51
p0 2324 ± 2.298
2800
2700
2600
2500
2400
2300
2200
2100
2000
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
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8556. 1
8556. 2
8556. 3
8557. 0
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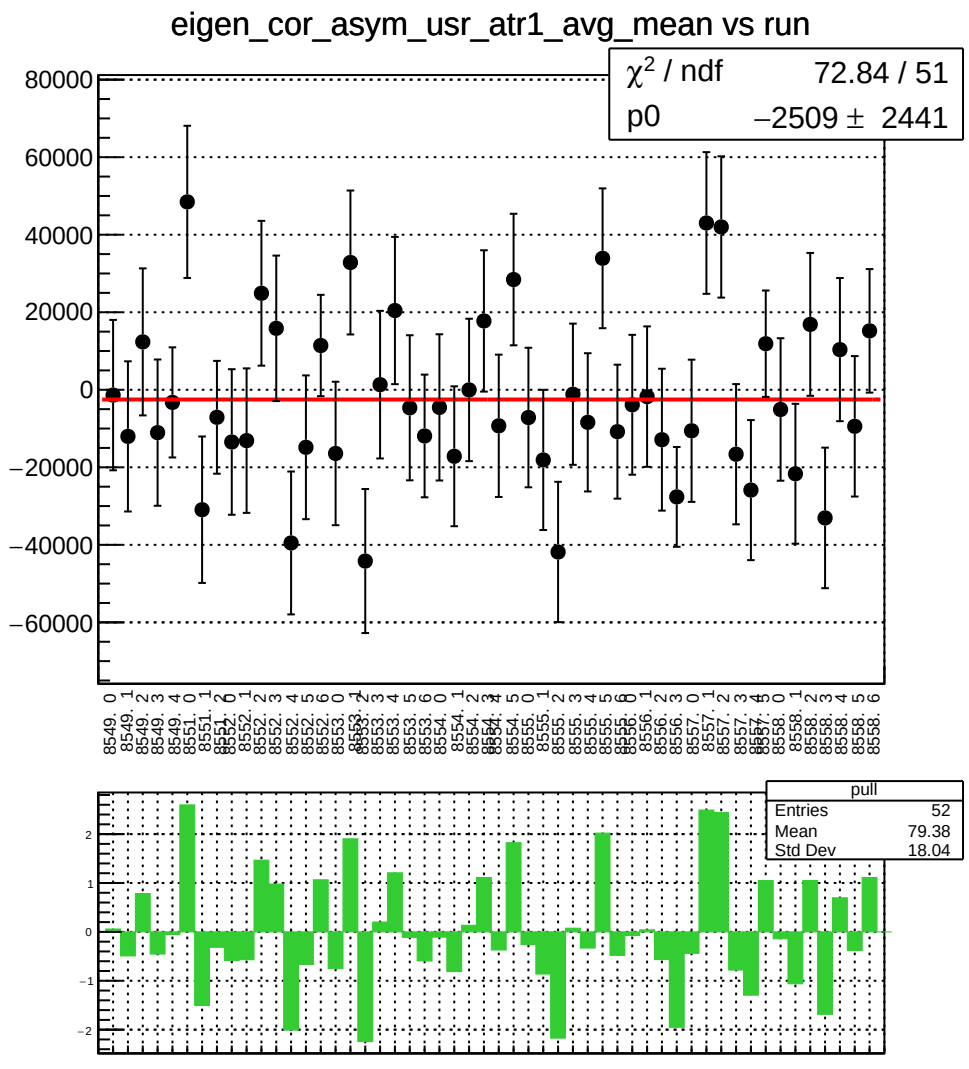
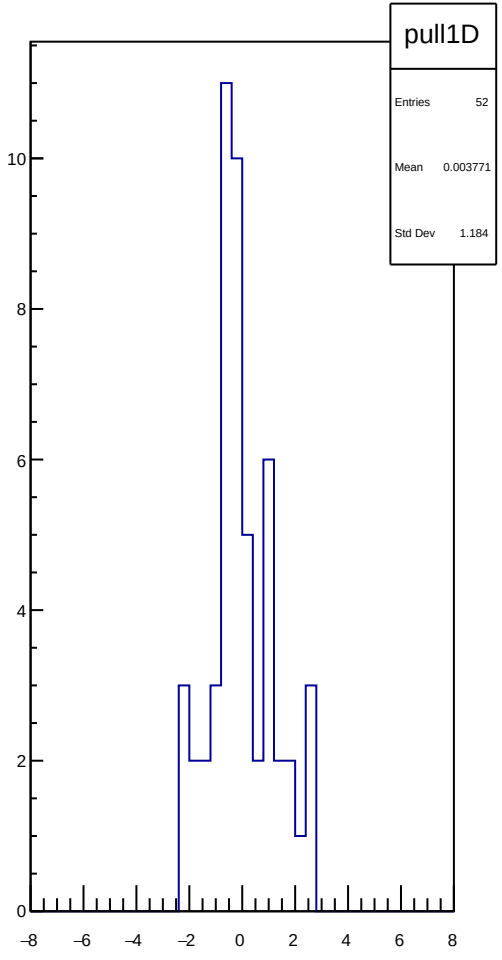
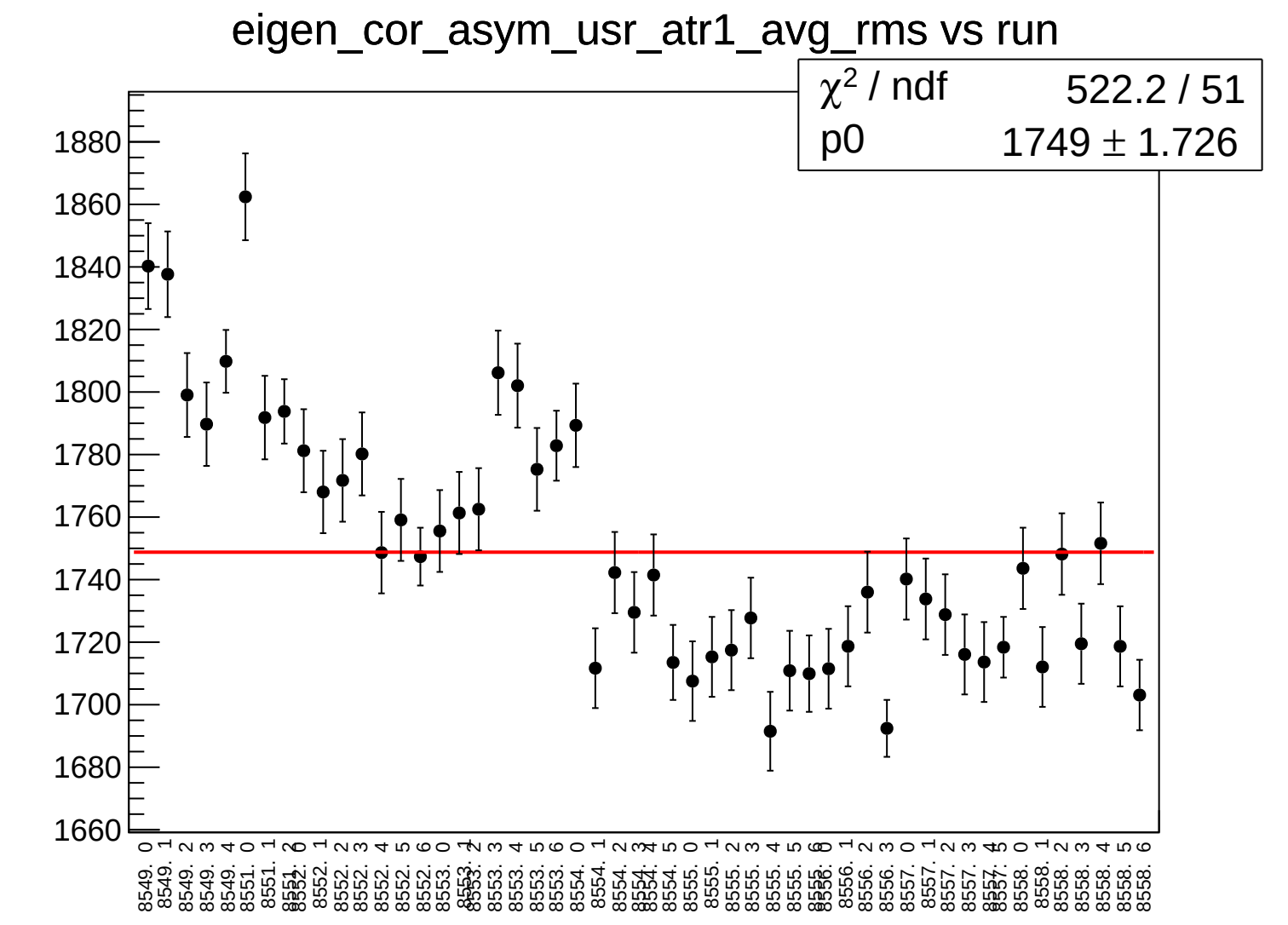
8558. 6


eigen_cor_asym_usr_atr1_avg_mean vs run
χ² / ndf 72.84 / 51
p0 −2509 ± 2441
pull
Entries 52
Mean 79.38
Std Dev 18.04


pull1D
Entries 52
Mean 0.003771
Std Dev 1.184


eigen_cor_asym_usr_atr1_avg_rms vs run
χ² / ndf 522.2 / 51
p0 1749 ± 1.726
1880
1860
1840
1820
1800
1780
1760
1740
1720
1700
1680
1660
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
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8553. 4
8553. 5
8553. 6
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8554. 1
8554. 2
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8555. 1
8555. 2
8555. 3
8555. 4
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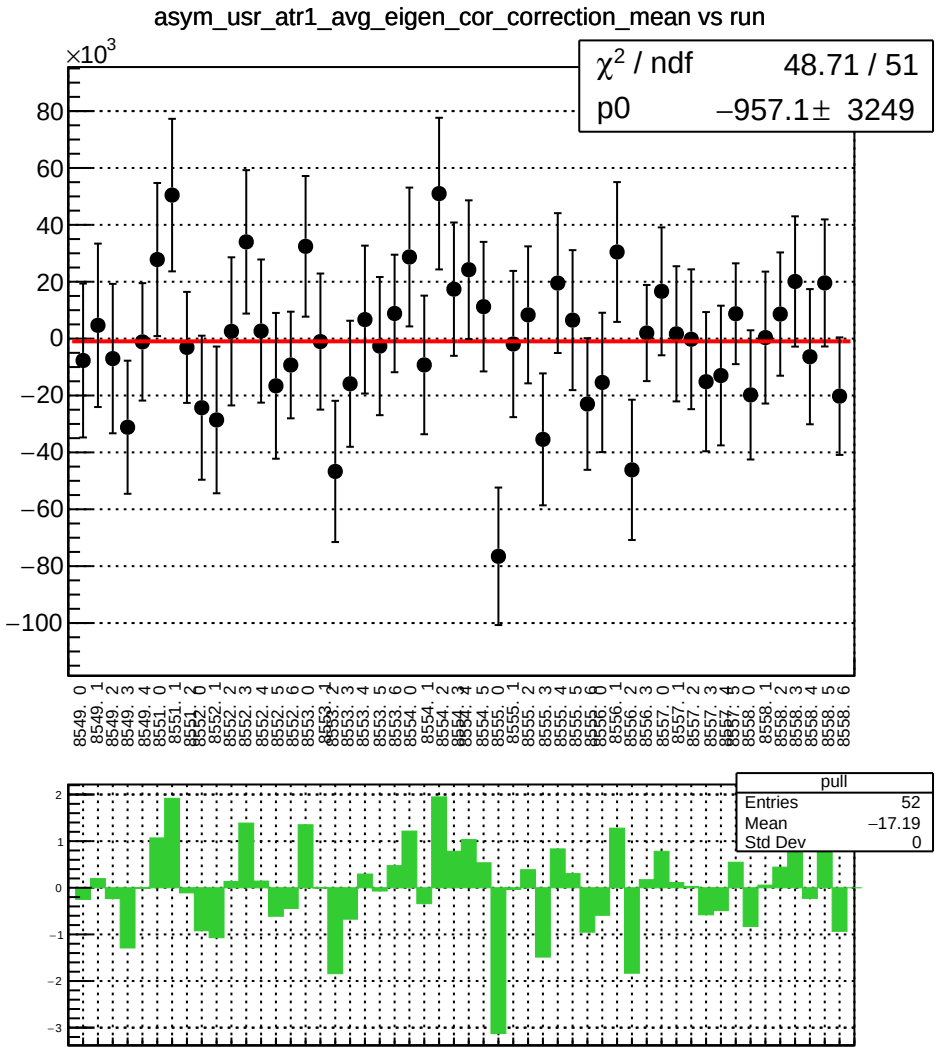
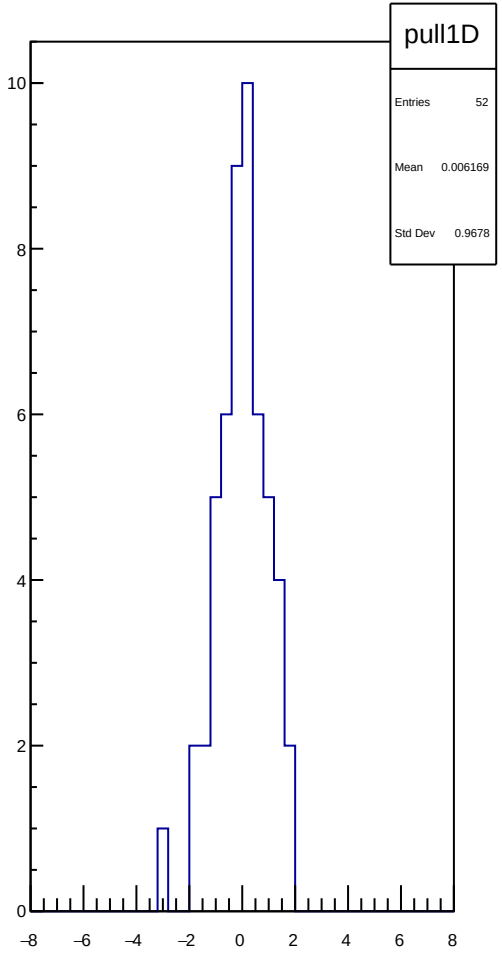
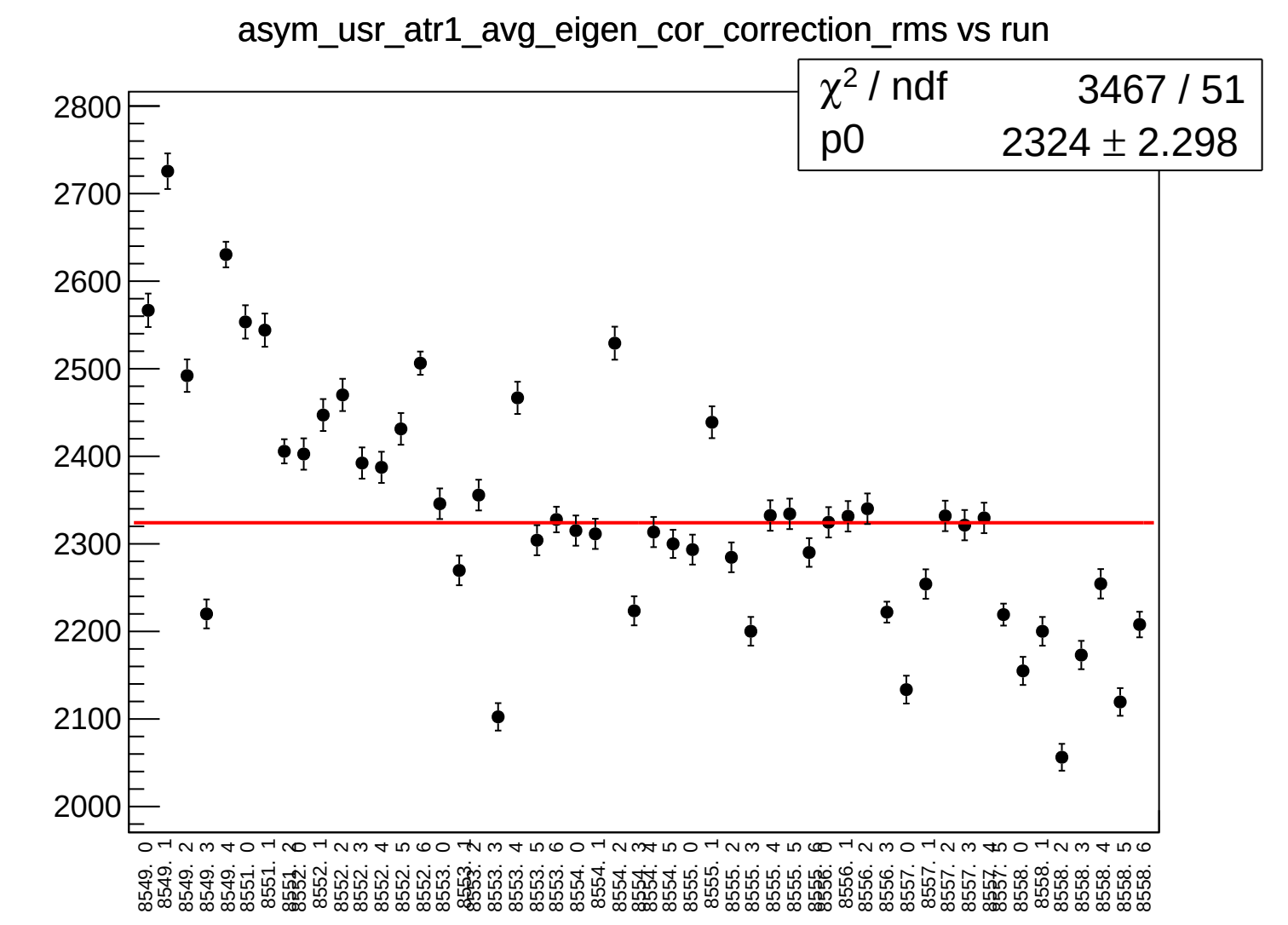
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6


asym_usr_atr1_avg_eigen_cor_correction_mean vs run
×10^3
χ² / ndf 48.71 / 51
p0 −957.1± 3249
pull
Entries 52
Mean −17.19
Std Dev 0


pull1D
Entries 52
Mean 0.006169
Std Dev 0.9678


asym_usr_atr1_avg_eigen_cor_correction_rms vs run
χ² / ndf 3467 / 51
p0 2324 ± 2.298
2800
2700
2600
2500
2400
2300
2200
2100
2000
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
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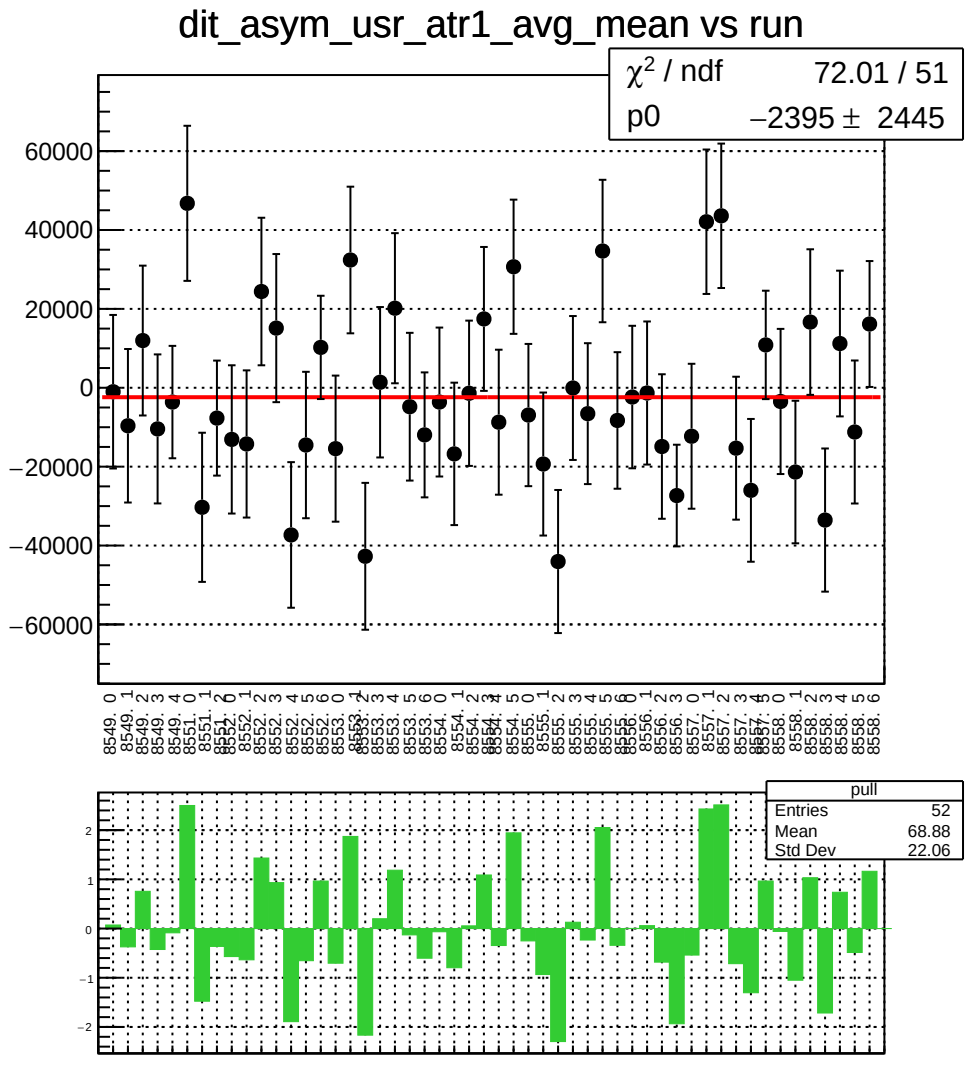
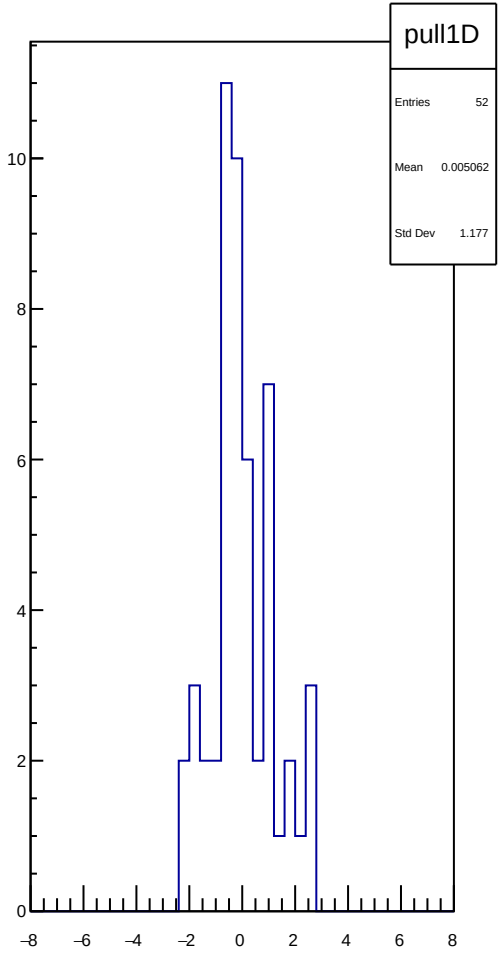
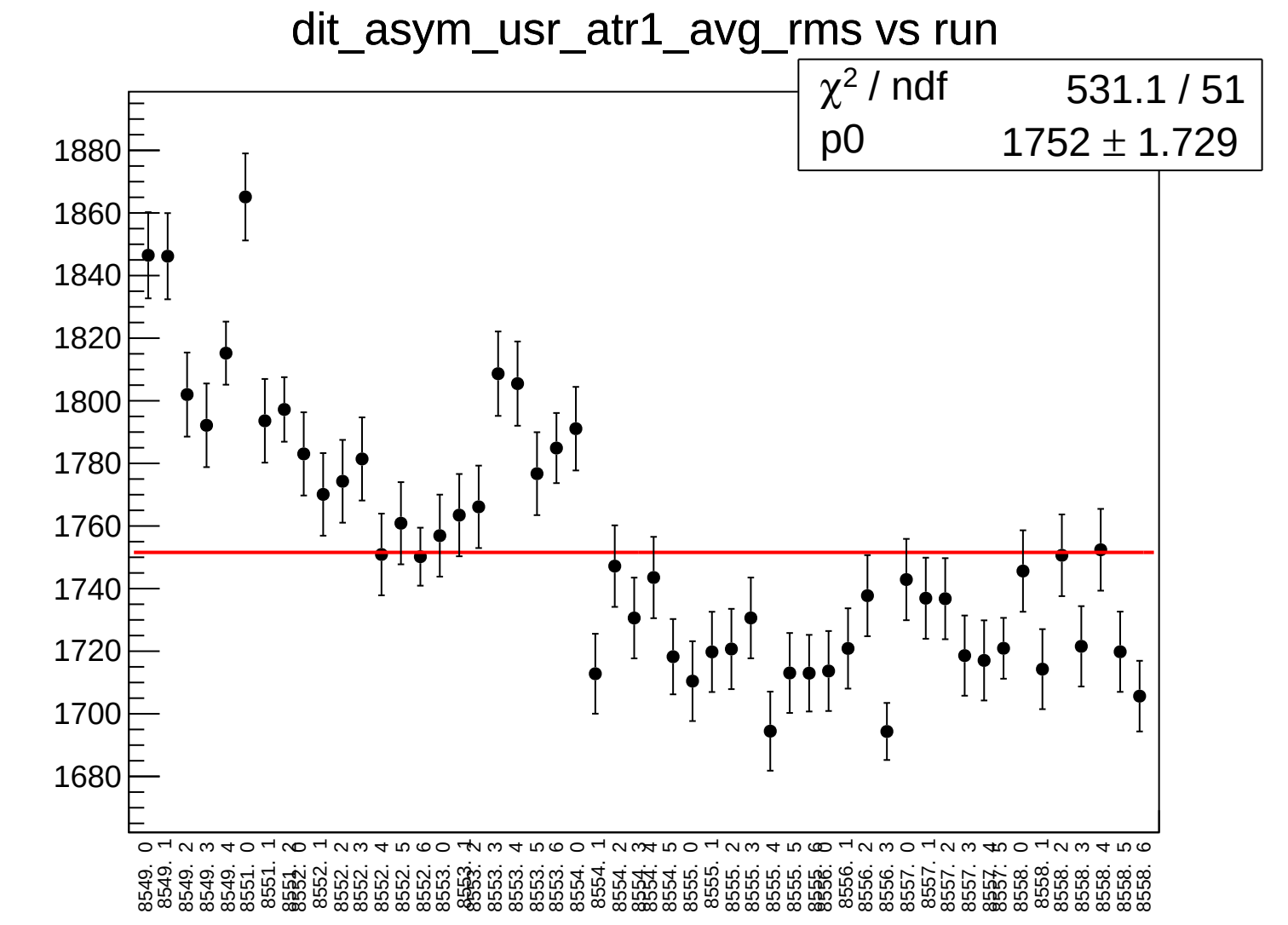
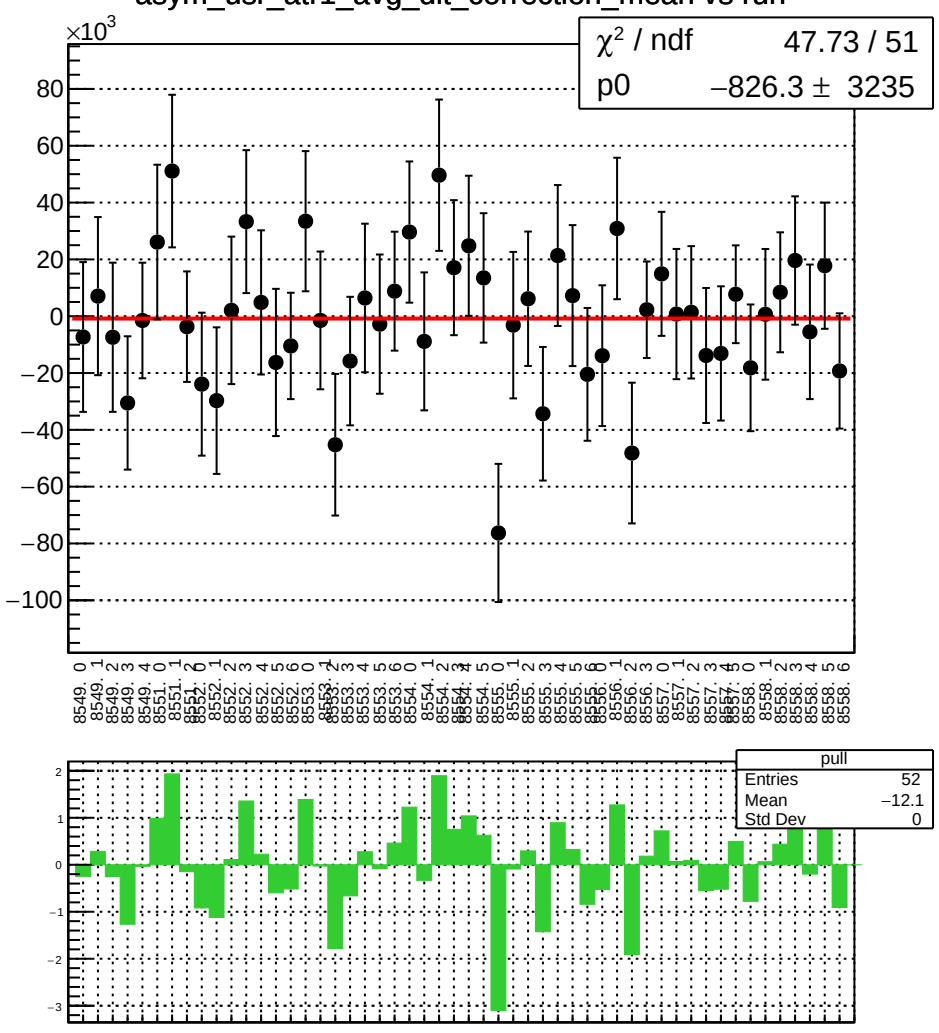
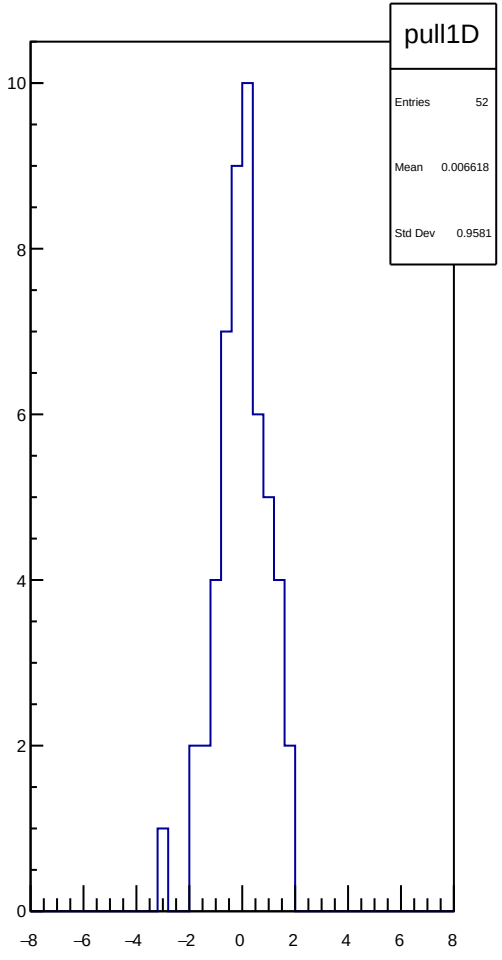
8558. 5
8558. 6

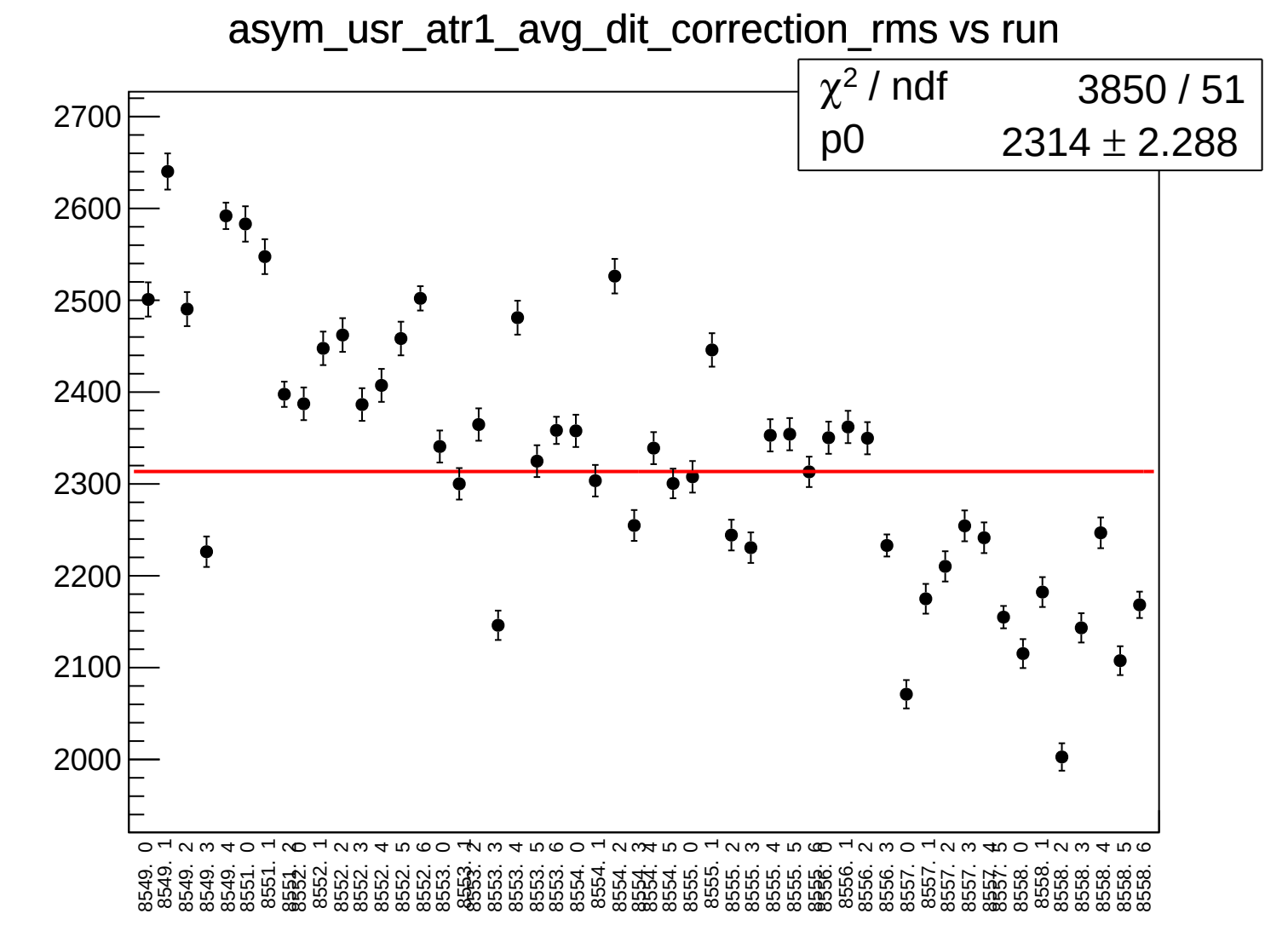

dit_asym_usr_atr1_avg_mean vs run
χ² / ndf 72.01 / 51
p0 −2395 ± 2445
60000
40000
20000
0
−20000
−40000
−60000
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8551. 2
8551. 6
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 1
8553. 2
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 3
8554. 4
8554. 5
8554. 6
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8555. 6
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8557. 4
8557. 5
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6
pull
Entries 52
Mean 68.88
Std Dev 22.06
2
1
0
−1
−2

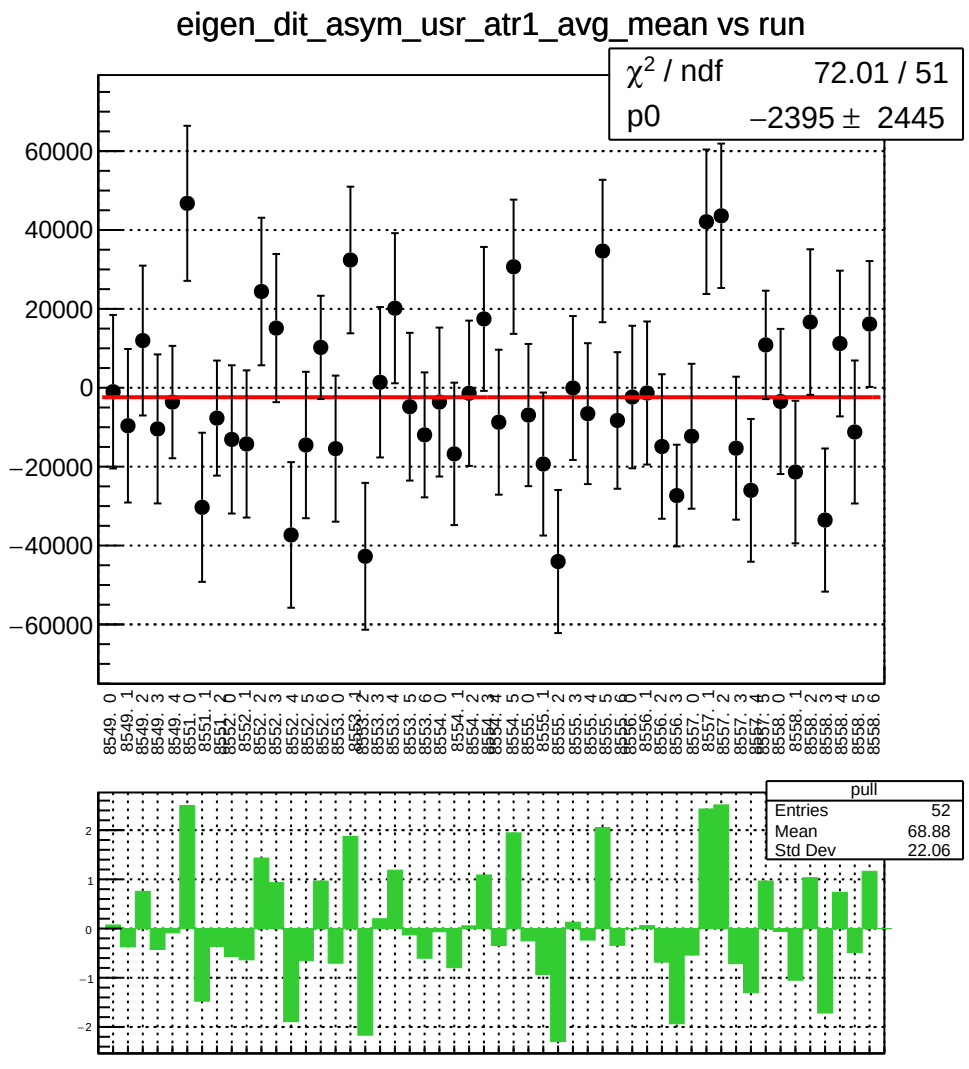

pull1D
Entries 52
Mean 0.005062
Std Dev 1.177
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

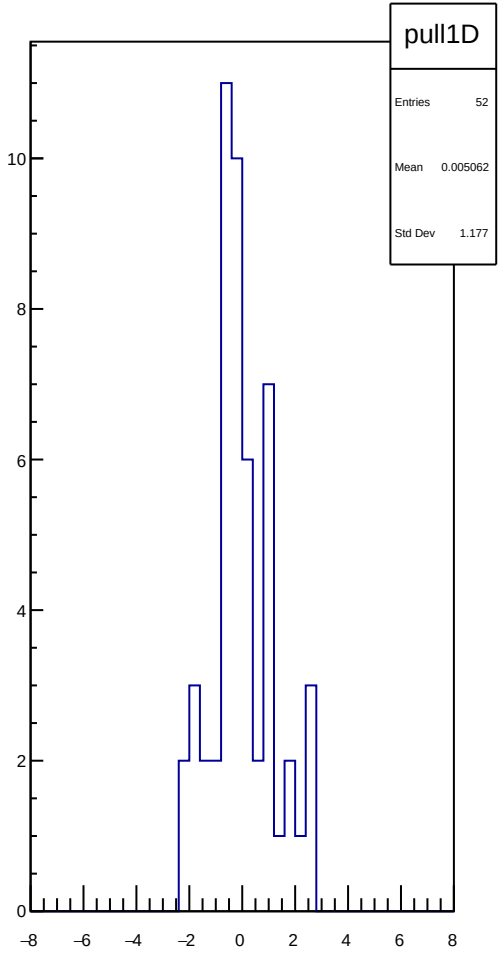

dit_asym_usr_atr1_avg_rms vs run
χ² / ndf 531.1 / 51
p0 1752 ± 1.729
1880
1860
1840
1820
1800
1780
1760
1740
1720
1700
1680
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 5
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

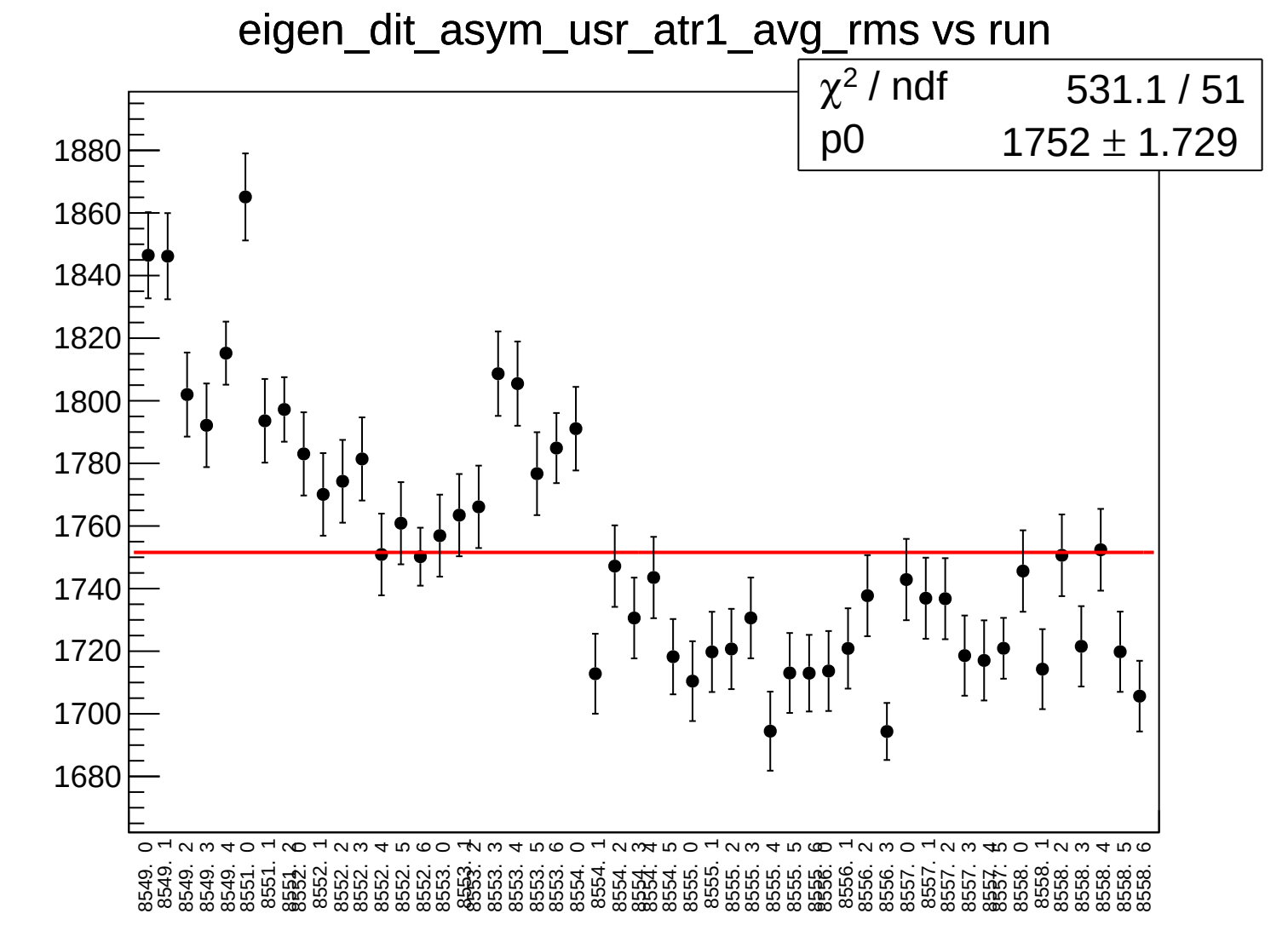

asym_usr_atr1_avg_dit_correction_mean vs run
×10^3
χ² / ndf 47.73 / 51
p0 −826.3 ± 3235
pull
Entries 52
Mean −12.1
Std Dev 0

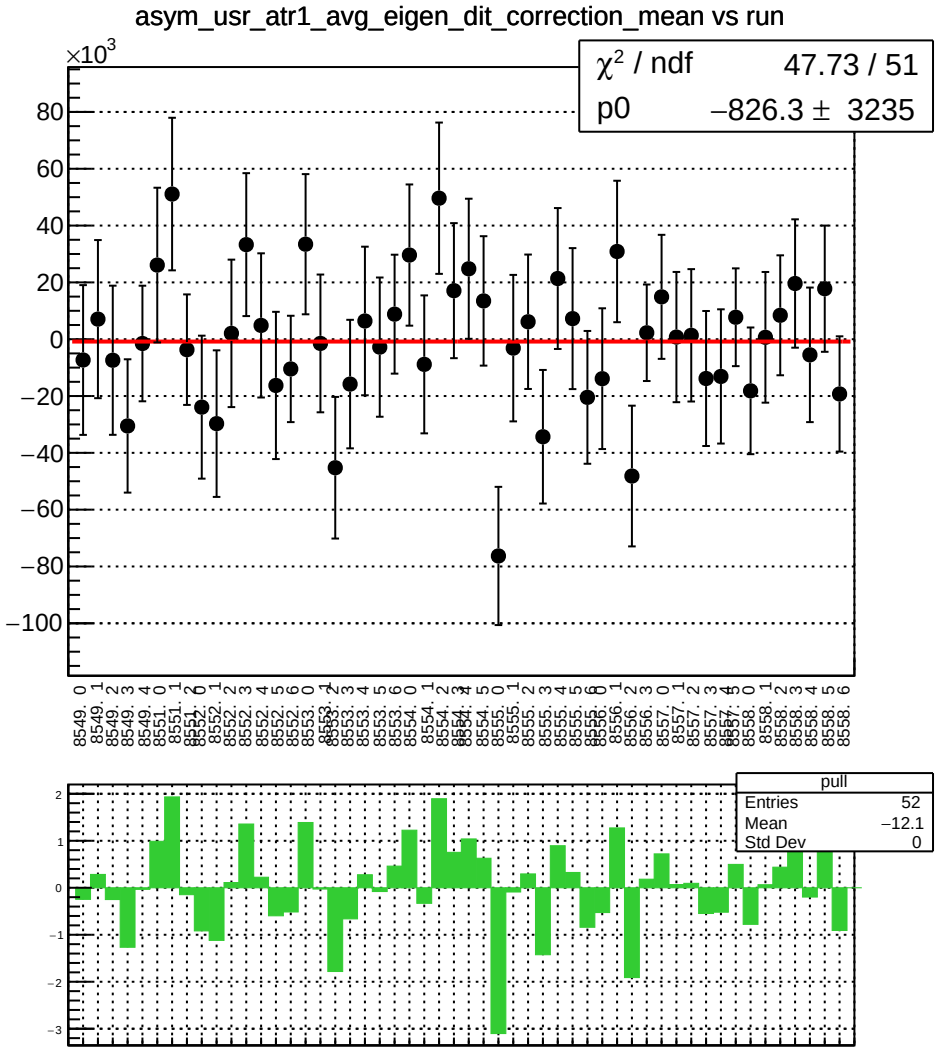

pull1D
Entries 52
Mean 0.006618
Std Dev 0.9581

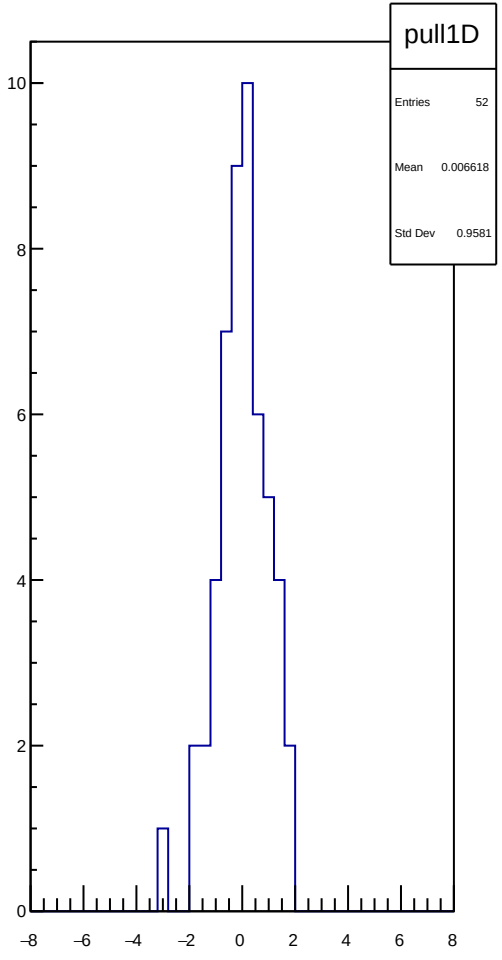

asym_usr_atr1_avg_dit_correction_rms vs run
χ² / ndf 3850 / 51
p0 2314 ± 2.288
2700
2600
2500
2400
2300
2200
2100
2000
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 5
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

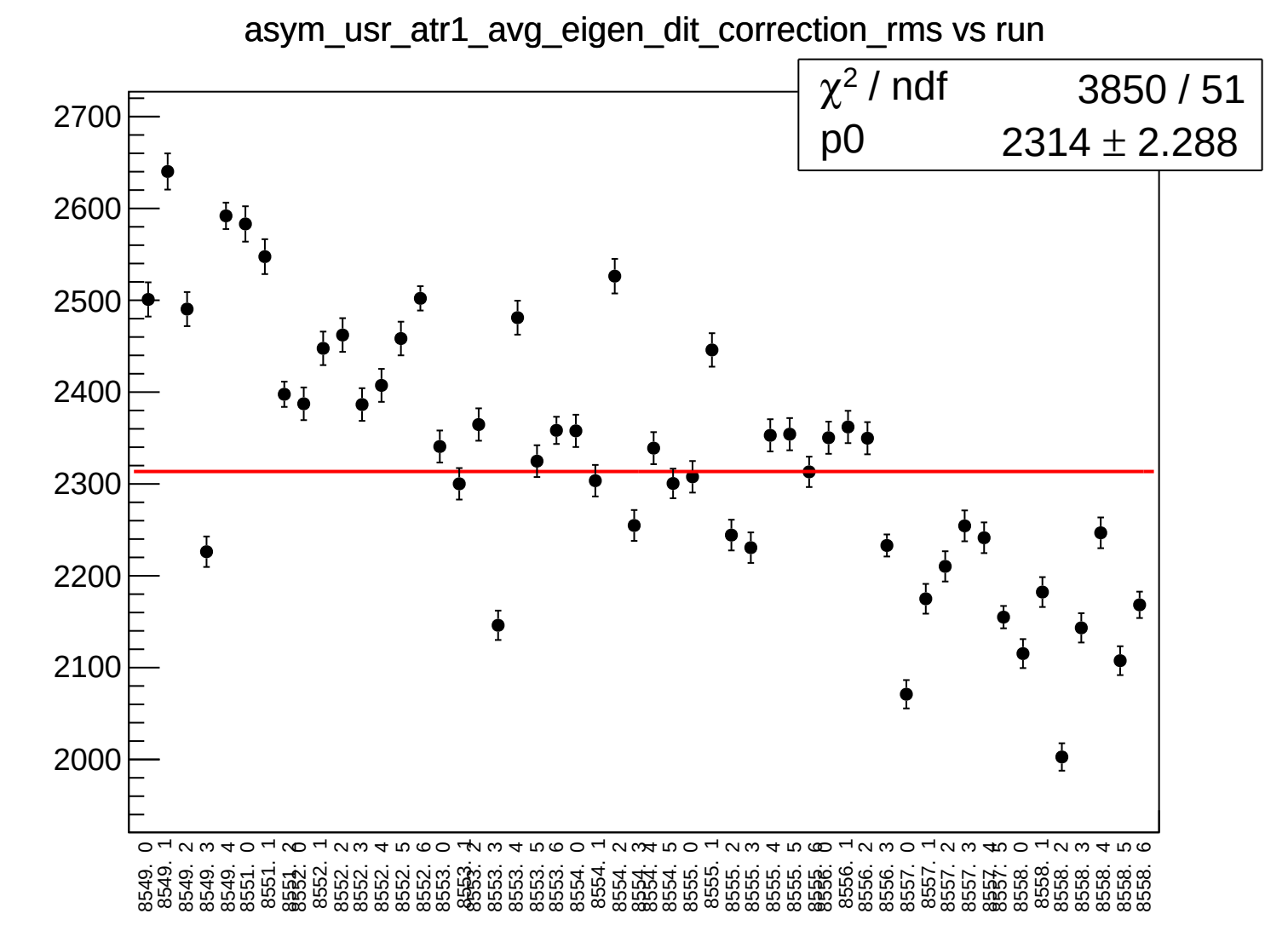

eigen_dit_asym_usr_atr1_avg_mean vs run
χ² / ndf 72.01 / 51
p0 −2395 ± 2445
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 52
Mean 68.88
Std Dev 22.06
2
1
0
−1
−2

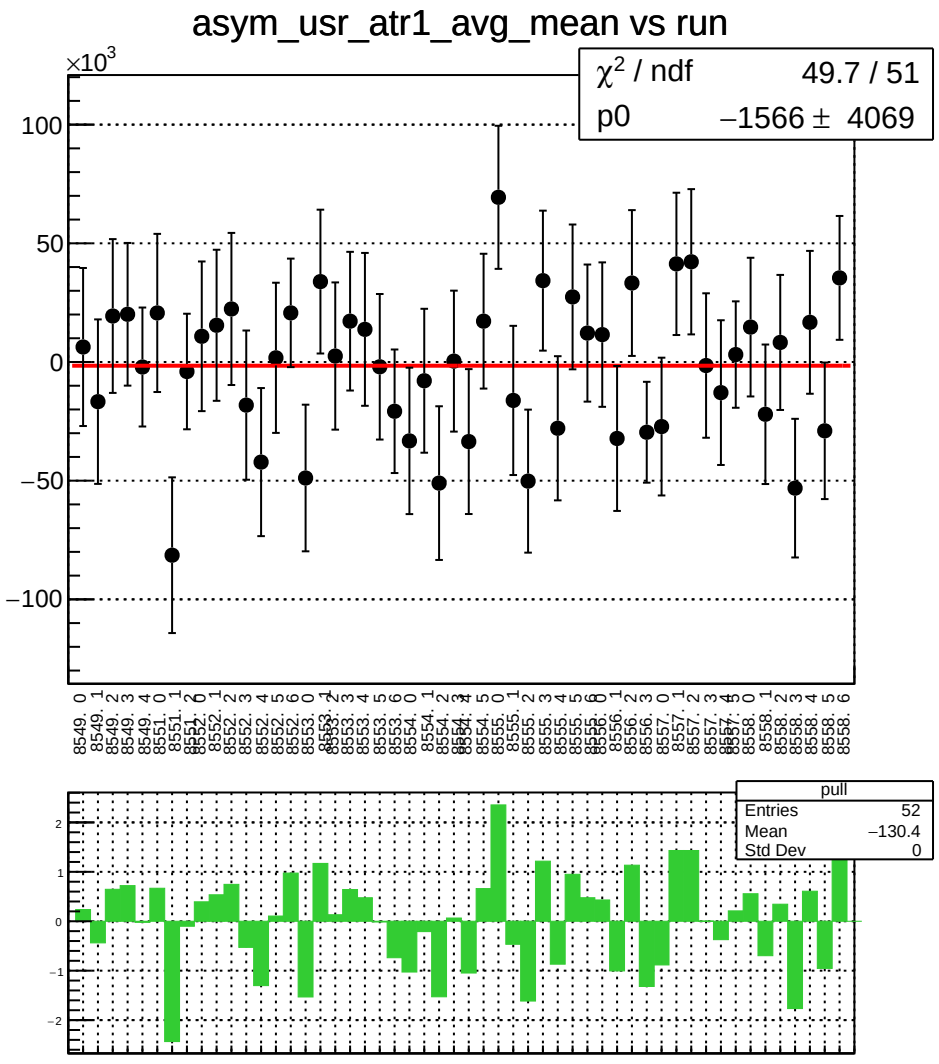

pull1D
Entries 52
Mean 0.005062
Std Dev 1.177
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

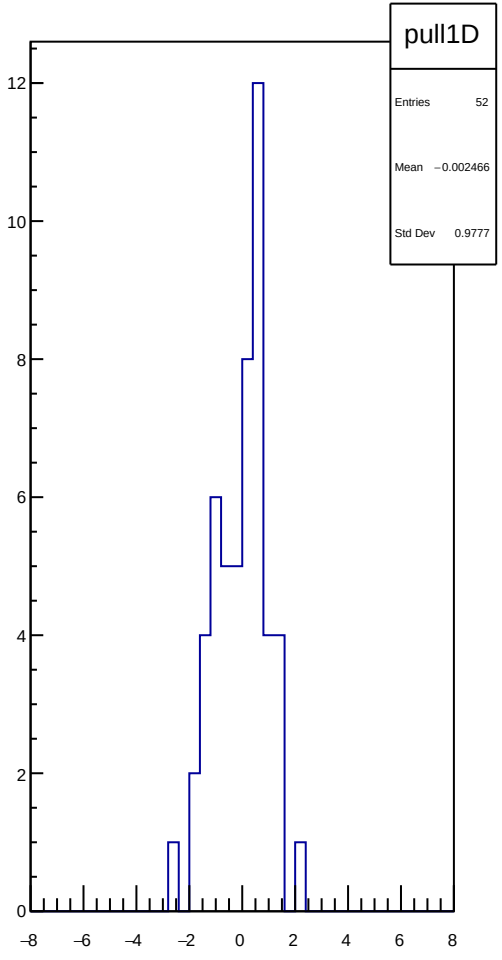

eigen_dit_asym_usr_atr1_avg_rms vs run
χ² / ndf 531.1 / 51
p0 1752 ± 1.729
1880
1860
1840
1820
1800
1780
1760
1740
1720
1700
1680
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

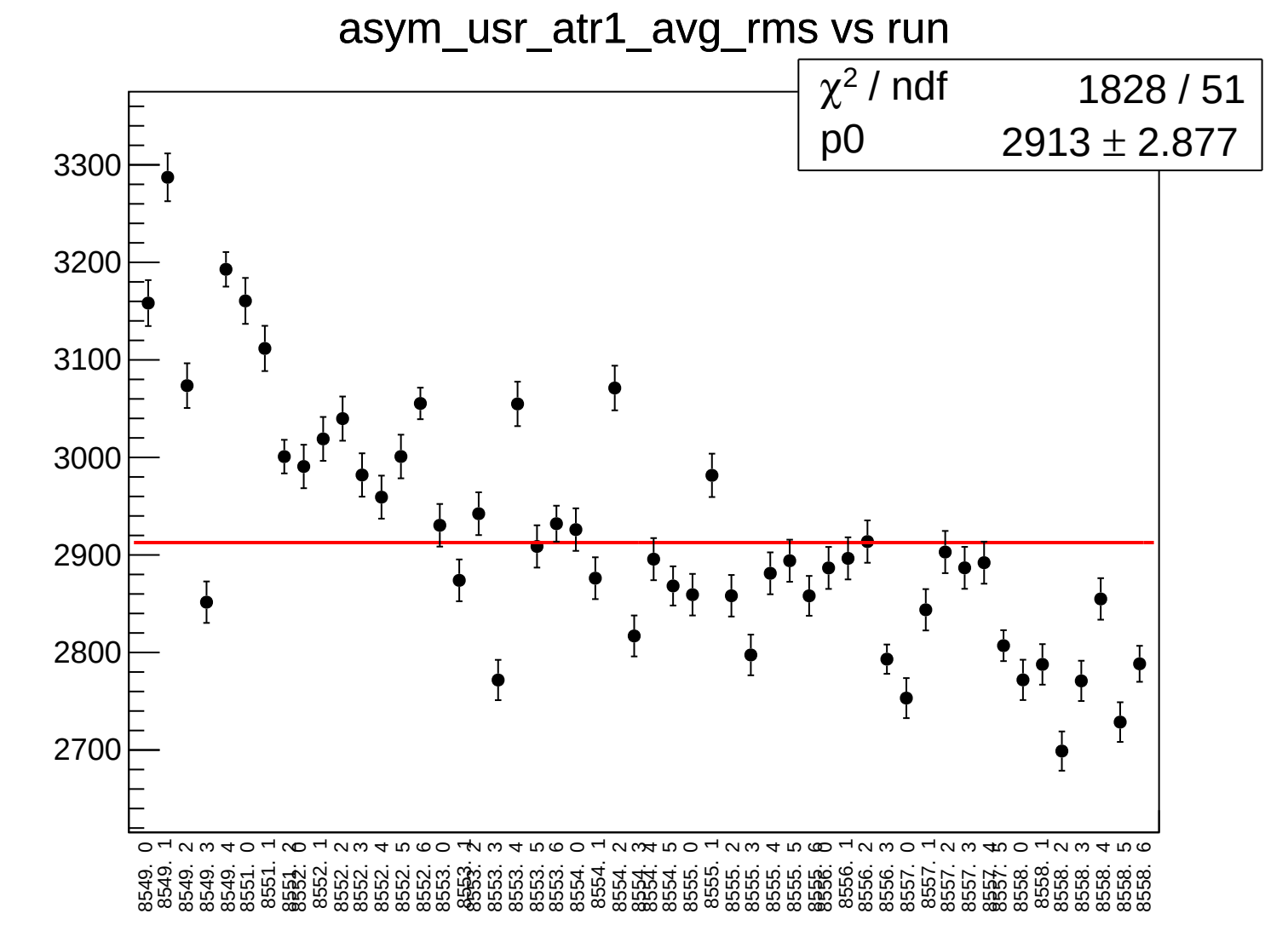

asym_usr_atr1_avg_eigen_dit_correction_mean vs run
×10^3
χ² / ndf 47.73 / 51
p0 −826.3 ± 3235
pull
Entries 52
Mean −12.1
Std Dev 0


pull1D
Entries 52
Mean 0.006618
Std Dev 0.9581


asym_usr_atr1_avg_eigen_dit_correction_rms vs run
χ² / ndf 3850 / 51
p0 2314 ± 2.288
2700
2600
2500
2400
2300
2200
2100
2000
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6


asym_usr_atr1_avg_mean vs run
×10^3
χ² / ndf 49.7 / 51
p0 −1566 ± 4069
100
50
0
−50
−100
pull
Entries 52
Mean −130.4
Std Dev 0
2
1
0
−1
−2


pull1D
Entries 52
Mean −0.002466
Std Dev 0.9777
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


asym_usr_atr1_avg_rms vs run
χ² / ndf 1828 / 51
p0 2913 ± 2.877
3300
3200
3100
3000
2900
2800
2700
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 5
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
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8558. 0
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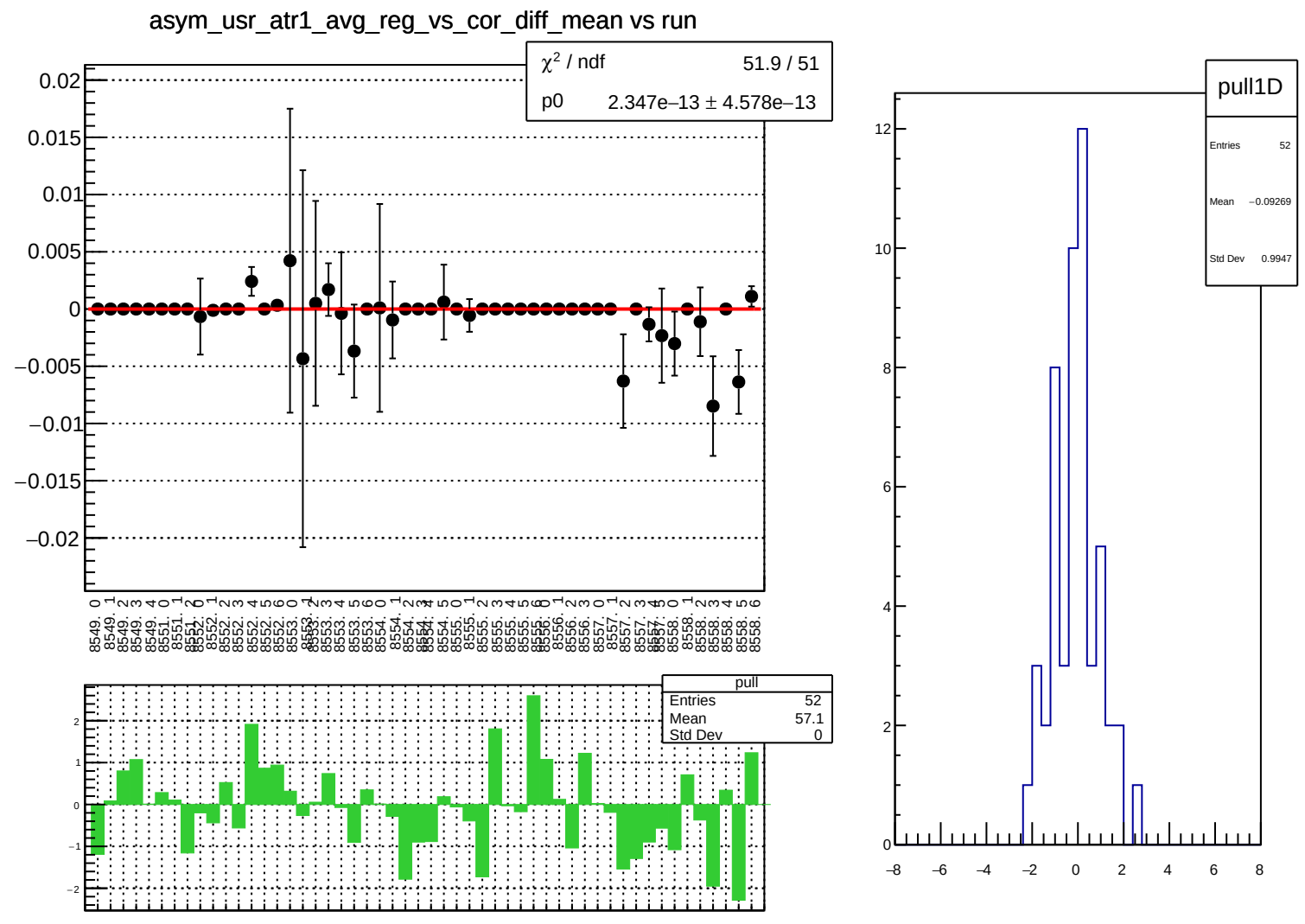
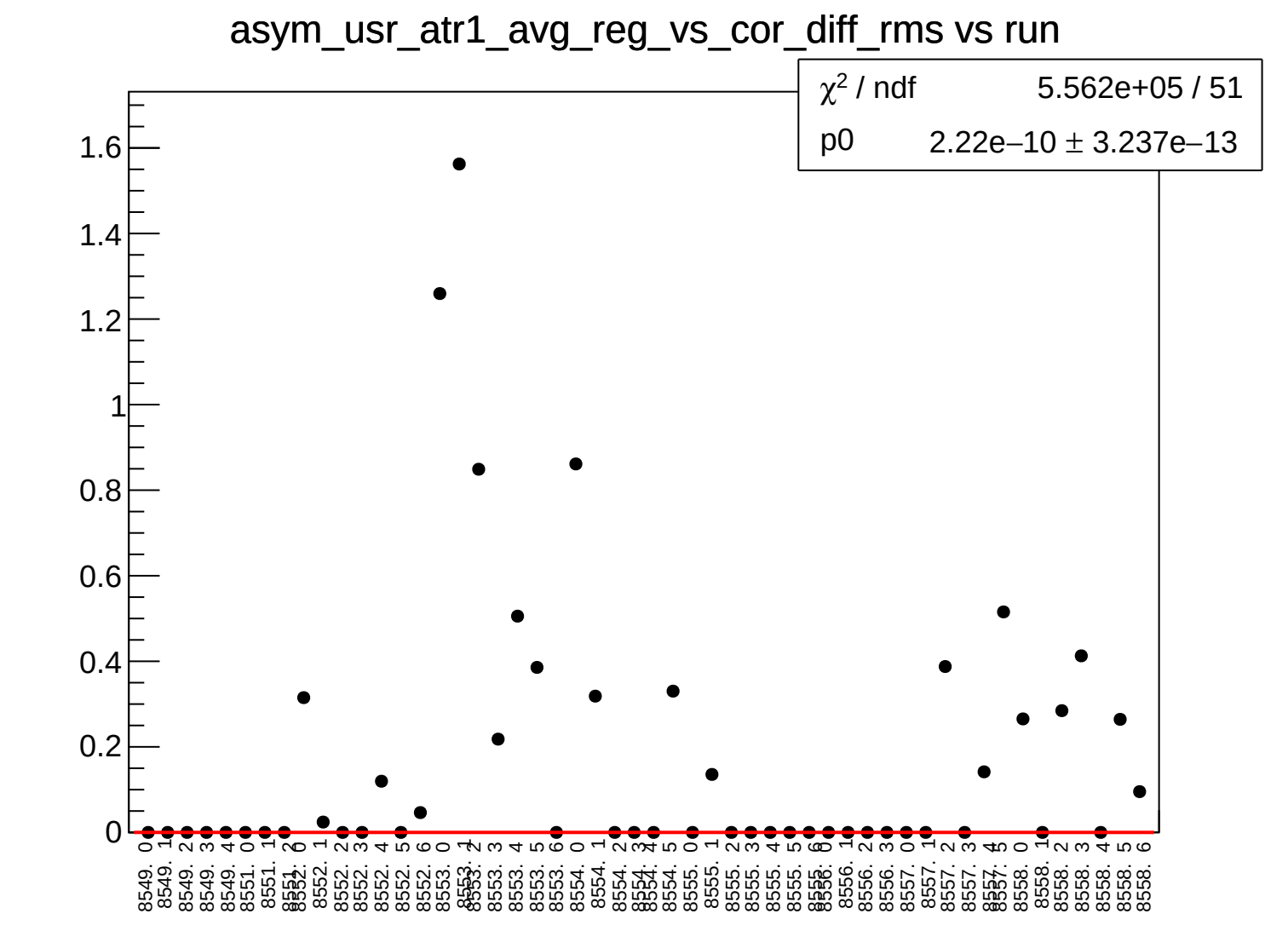
8558. 5
8558. 6


asym_usr_atr1_avg_reg_vs_cor_diff_mean vs run
χ² / ndf 51.9 / 51
p0 2.347e−13 ± 4.578e−13
pull
Entries 52
Mean 57.1
Std Dev 0
pull1D
Entries 52
Mean −0.09269
Std Dev 0.9947


asym_usr_atr1_avg_reg_vs_cor_diff_rms vs run
χ² / ndf 5.562e+05 / 51
p0 2.22e−10 ± 3.237e−13
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 0
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 1
8553. 2
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 3
8554. 4
8554. 5
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 0
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8557. 4
8557. 5
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
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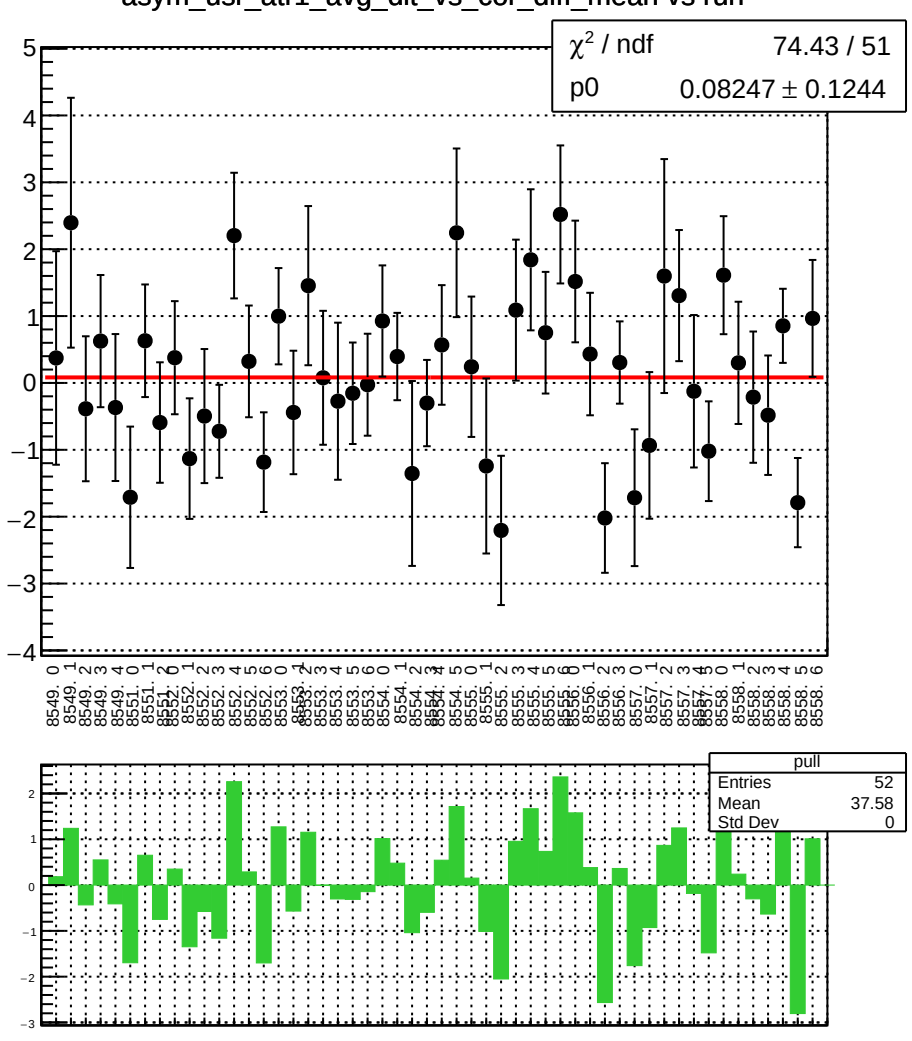
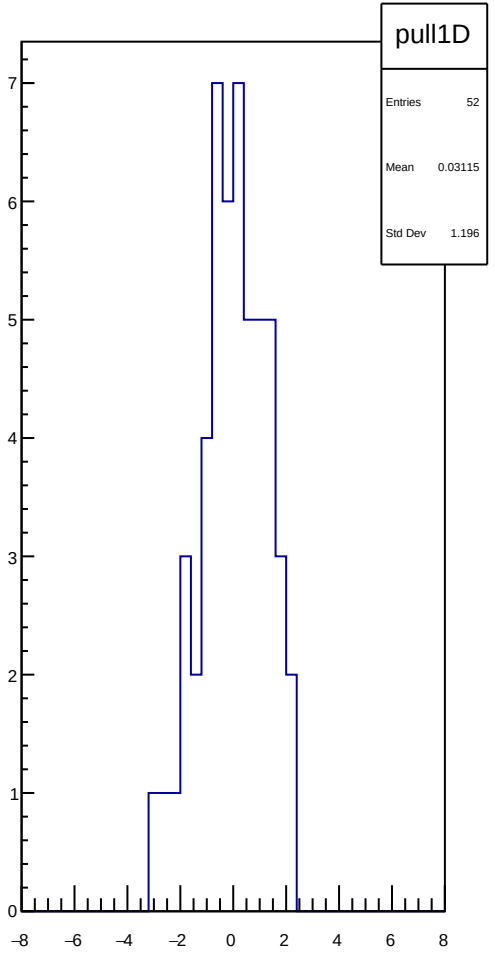
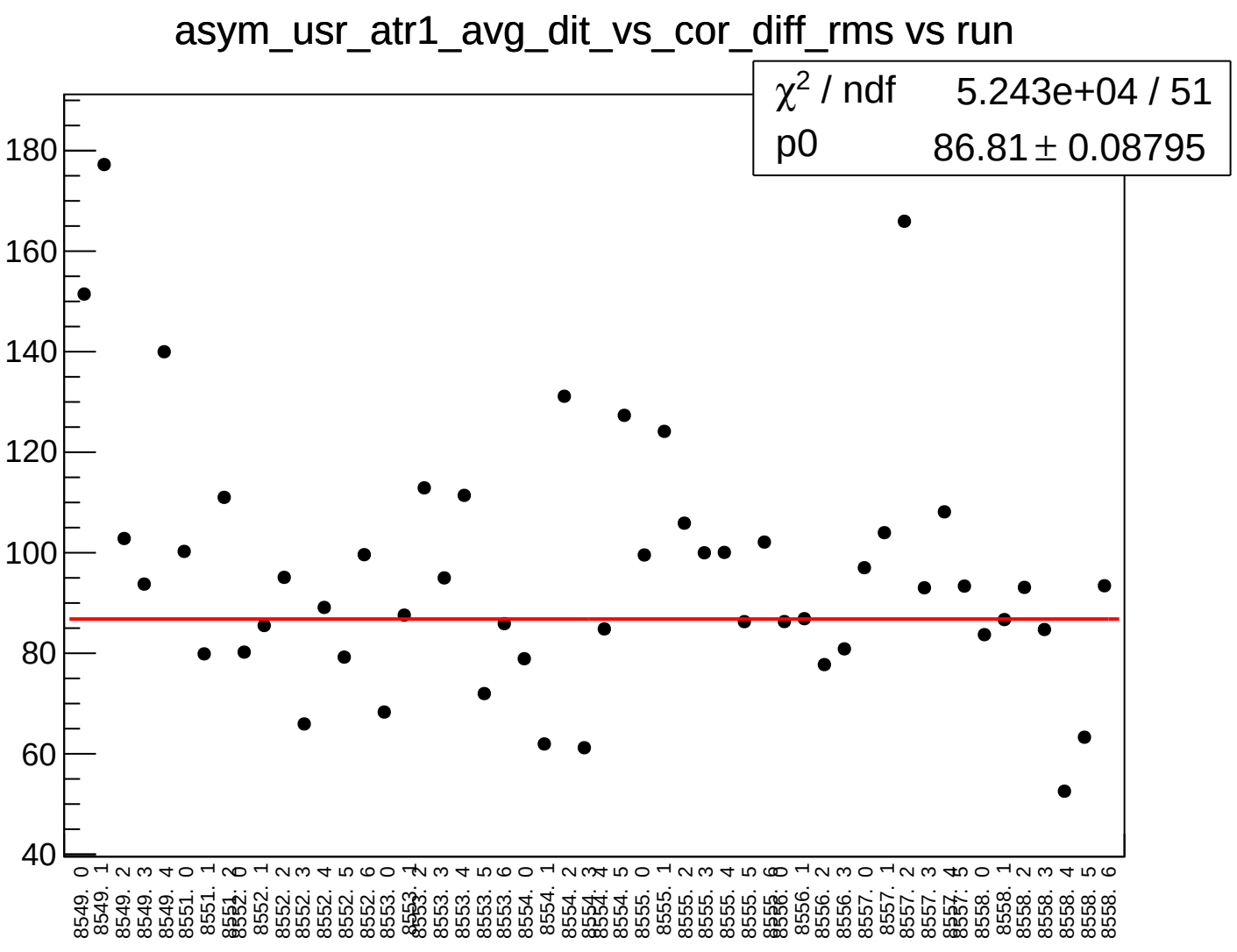
8558. 6


asym_usr_atr1_avg_dit_vs_cor_diff_mean vs run
χ² / ndf 74.43 / 51
p0 0.08247 ± 0.1244
pull
Entries 52
Mean 37.58
Std Dev 0


pull1D
Entries 52
Mean 0.03115
Std Dev 1.196


asym_usr_atr1_avg_dit_vs_cor_diff_rms vs run
χ² / ndf 5.243e+04 / 51
p0 86.81 ± 0.08795
180
160
140
120
100
80
60
40
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
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8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
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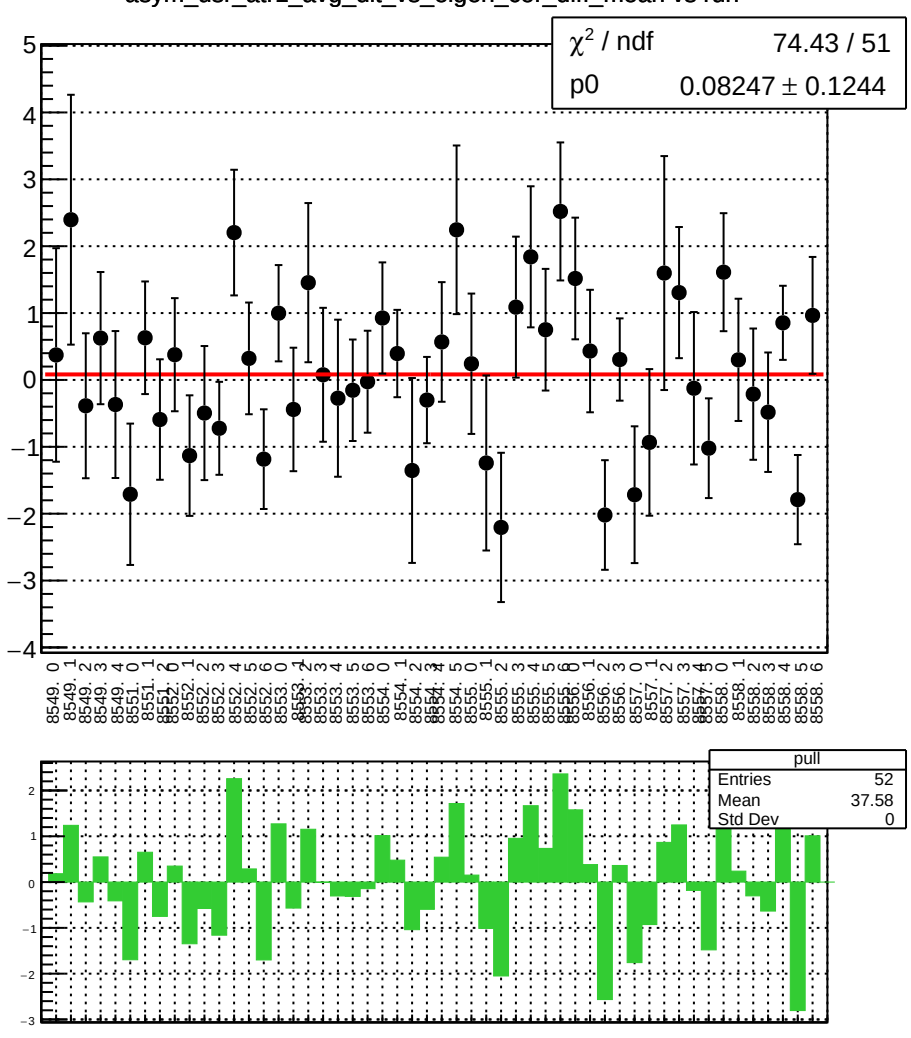
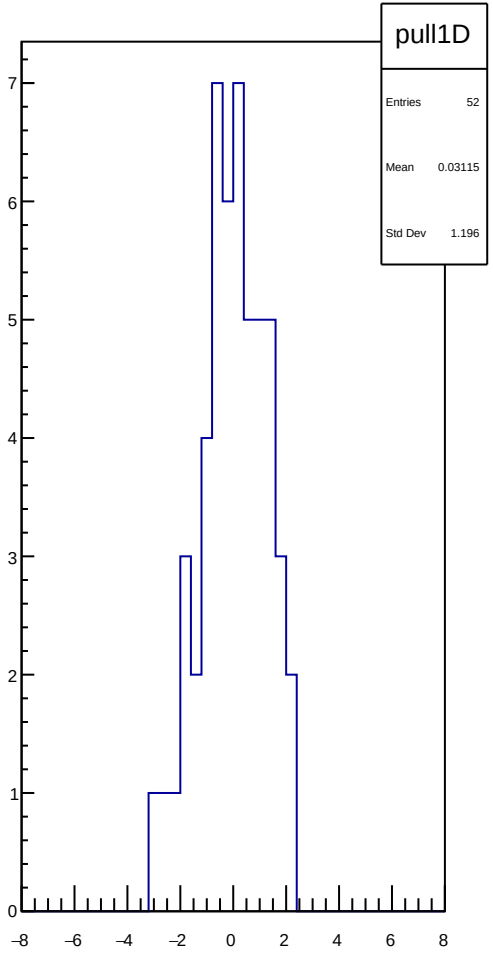
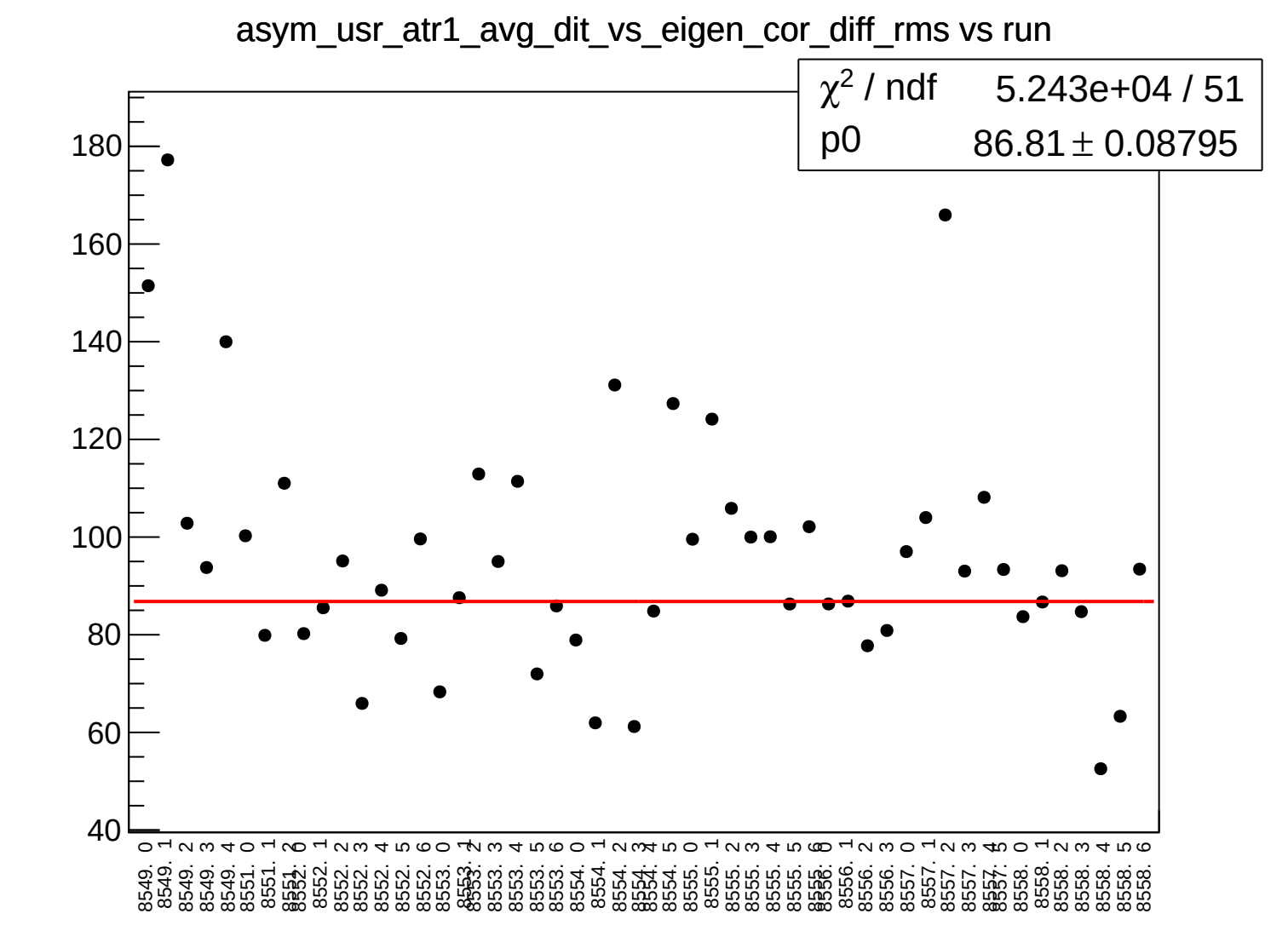
8558. 5
8558. 6


asym_usr_atr1_avg_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 74.43 / 51
p0 0.08247 ± 0.1244
pull
Entries 52
Mean 37.58
Std Dev 0


pull1D
Entries 52
Mean 0.03115
Std Dev 1.196


asym_usr_atr1_avg_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 5.243e+04 / 51
p0 86.81 ± 0.08795
180
160
140
120
100
80
60
40
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
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8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
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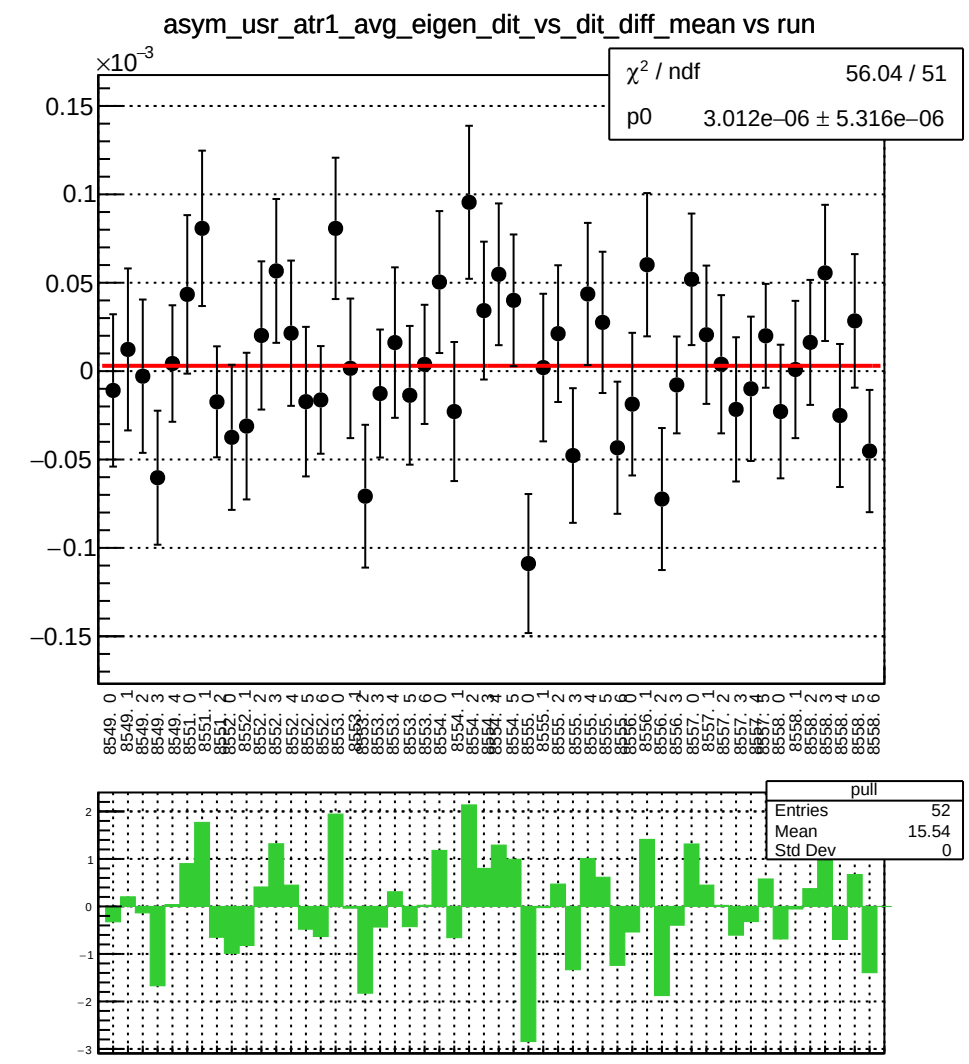
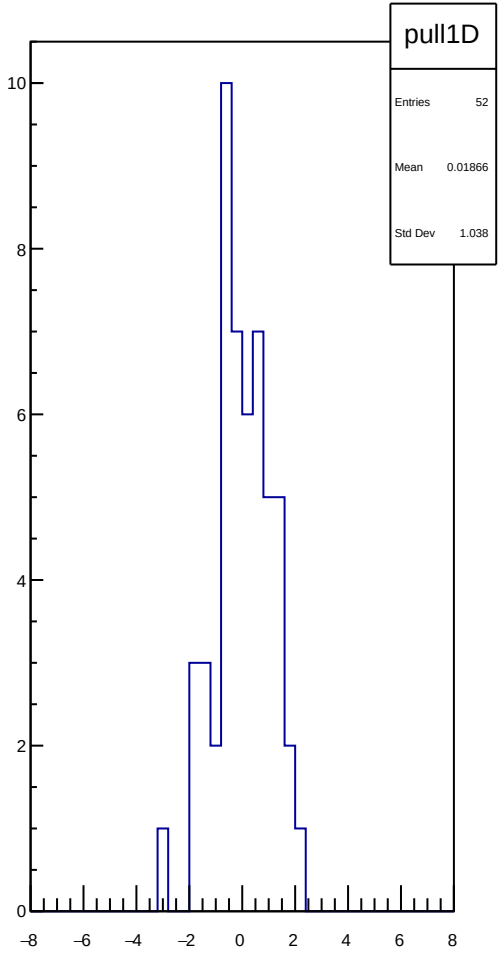
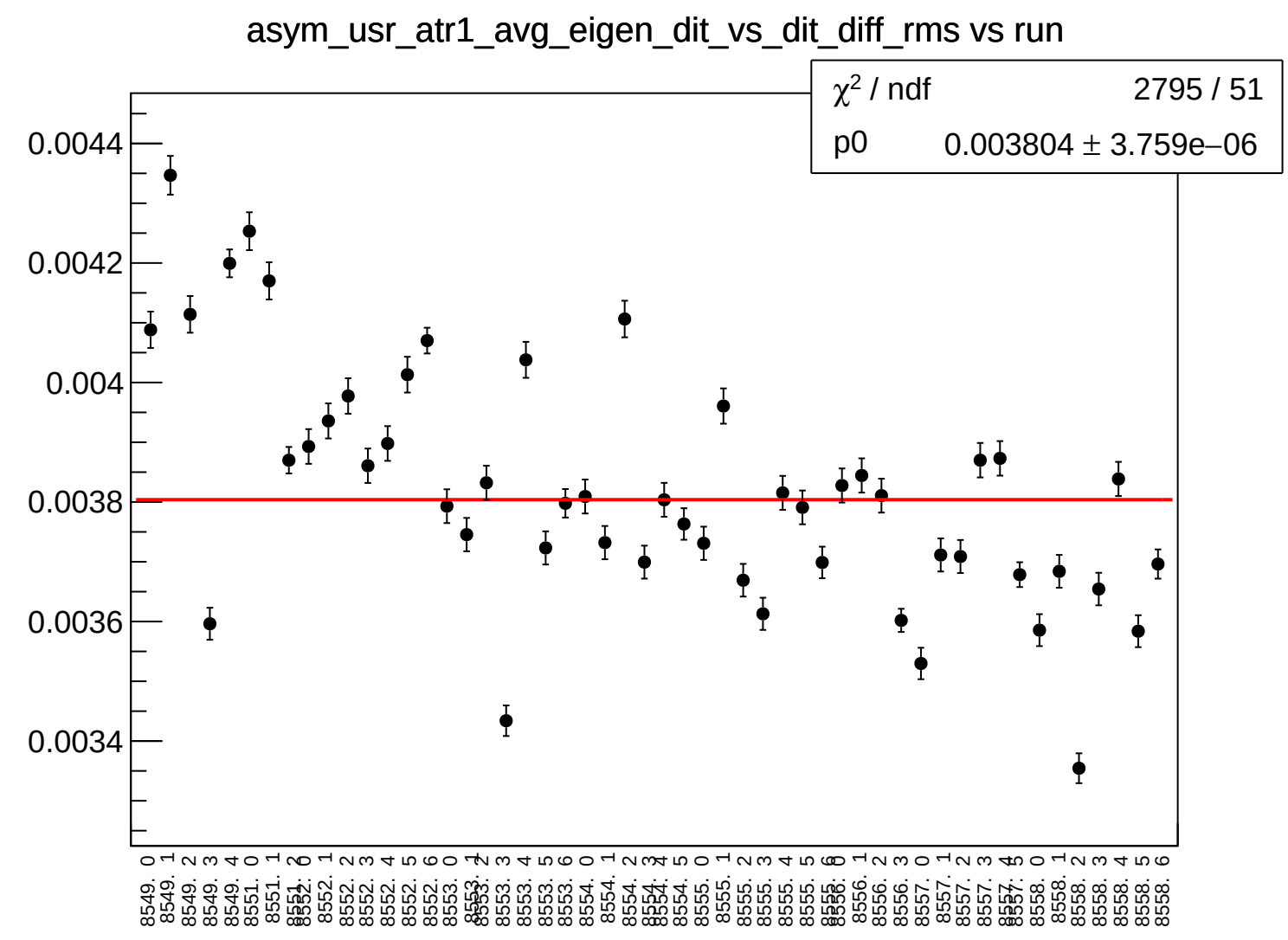
8558. 5
8558. 6


asym_usr_atr1_avg_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 56.04 / 51
p0 3.012e−06 ± 5.316e−06
0.15
0.1
0.05
0
−0.05
−0.1
−0.15
pull
Entries 52
Mean 15.54
Std Dev 0
2
1
0
−1
−2
−3


pull1D
Entries 52
Mean 0.01866
Std Dev 1.038
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


asym_usr_atr1_avg_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 2795 / 51
p0 0.003804 ± 3.759e−06
0.0044
0.0042
0.004
0.0038
0.0036
0.0034
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 5
8555. 0
8555. 1
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8556. 1
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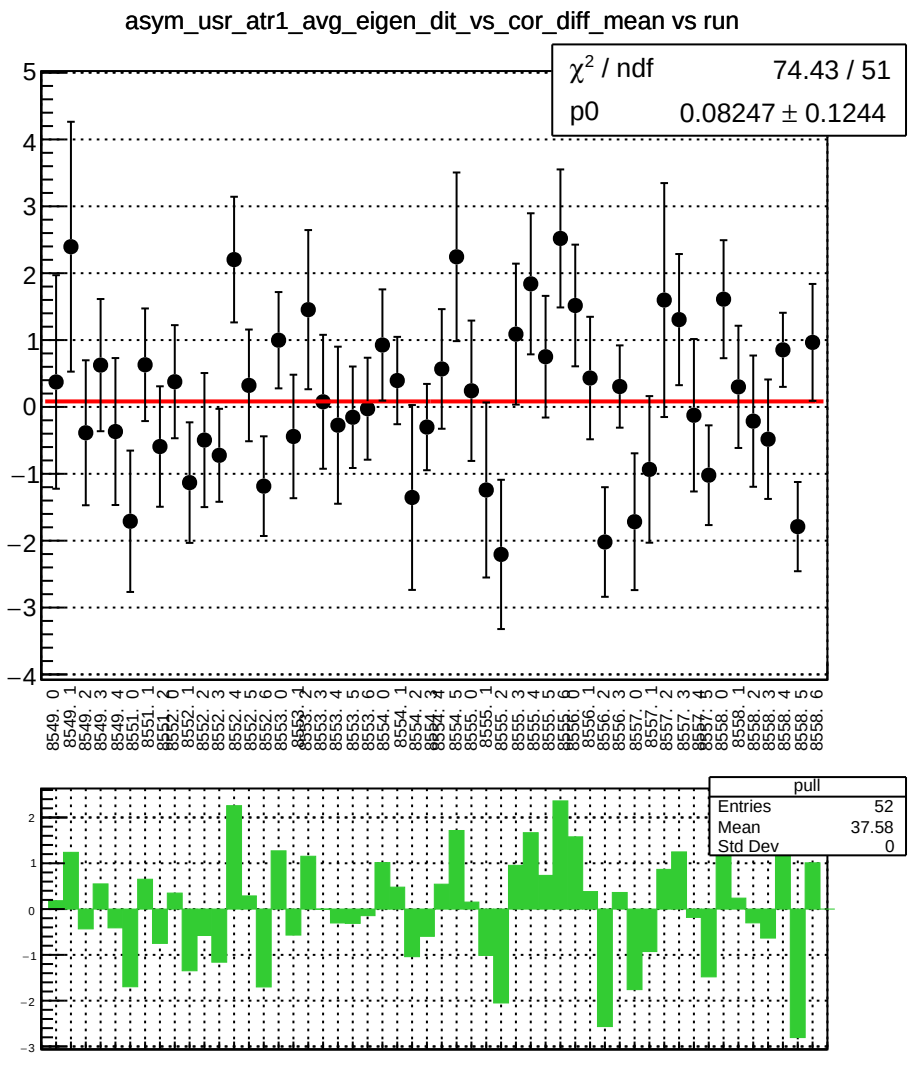
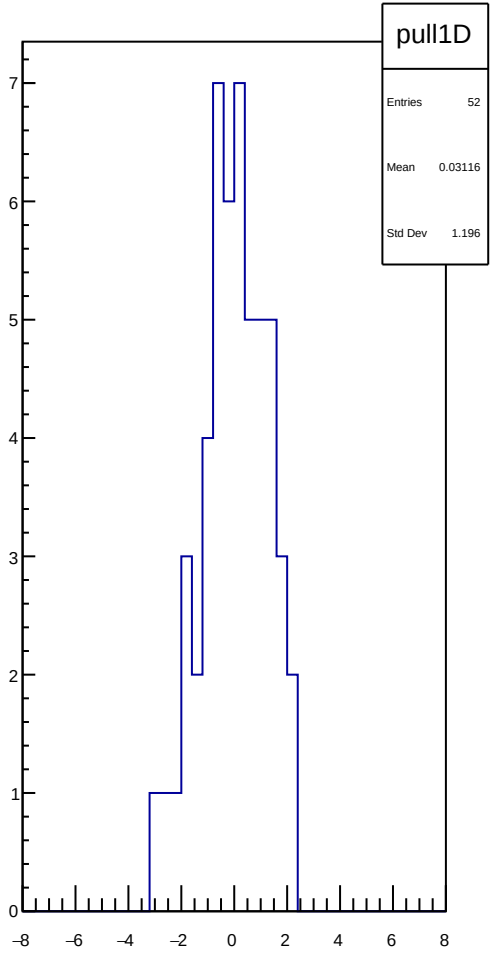
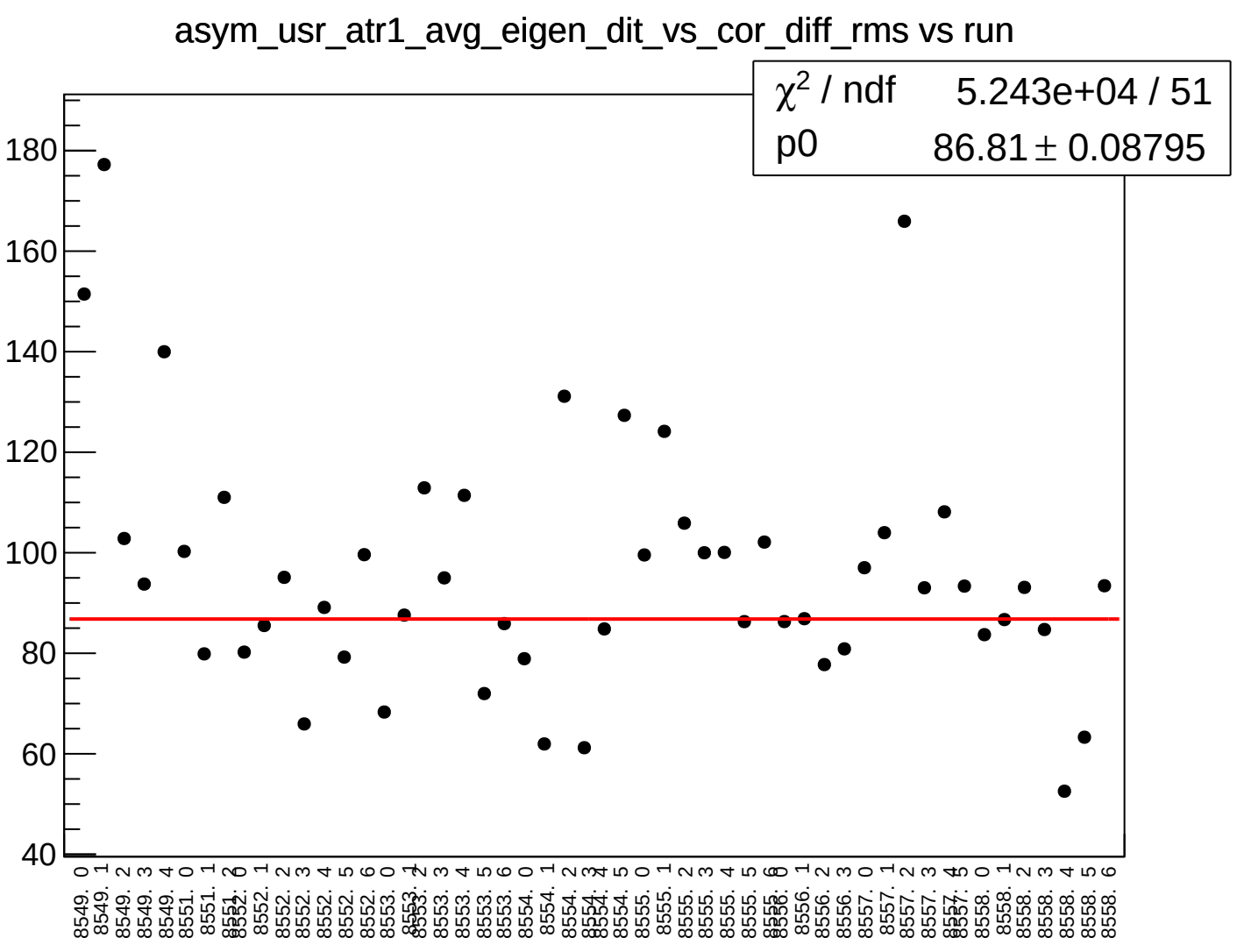
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6


asym_usr_atr1_avg_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 74.43 / 51
p0 0.08247 ± 0.1244
pull
Entries 52
Mean 37.58
Std Dev 0


pull1D
Entries 52
Mean 0.03116
Std Dev 1.196


asym_usr_atr1_avg_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 5.243e+04 / 51
p0 86.81 ± 0.08795
180
160
140
120
100
80
60
40
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
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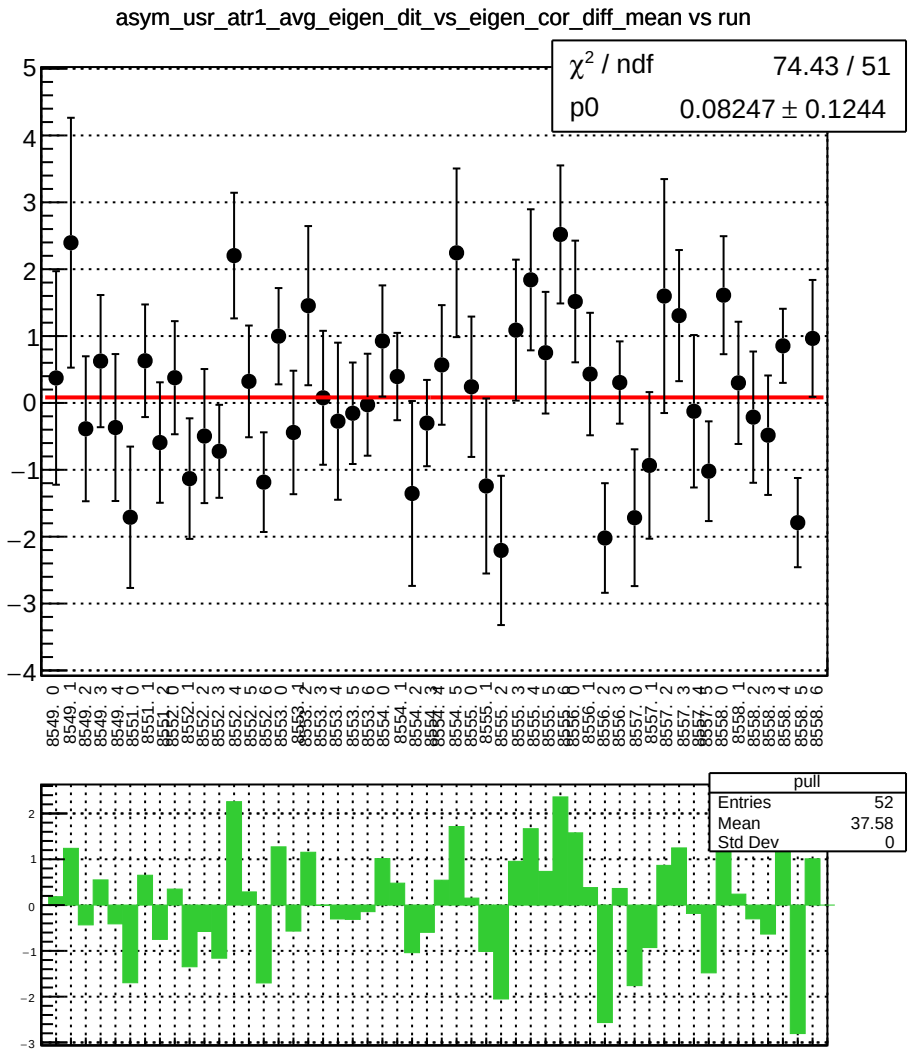
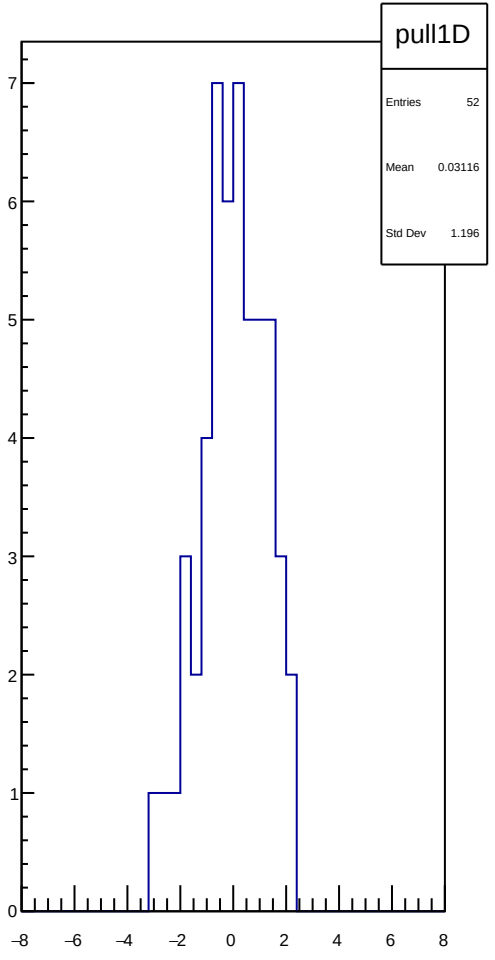
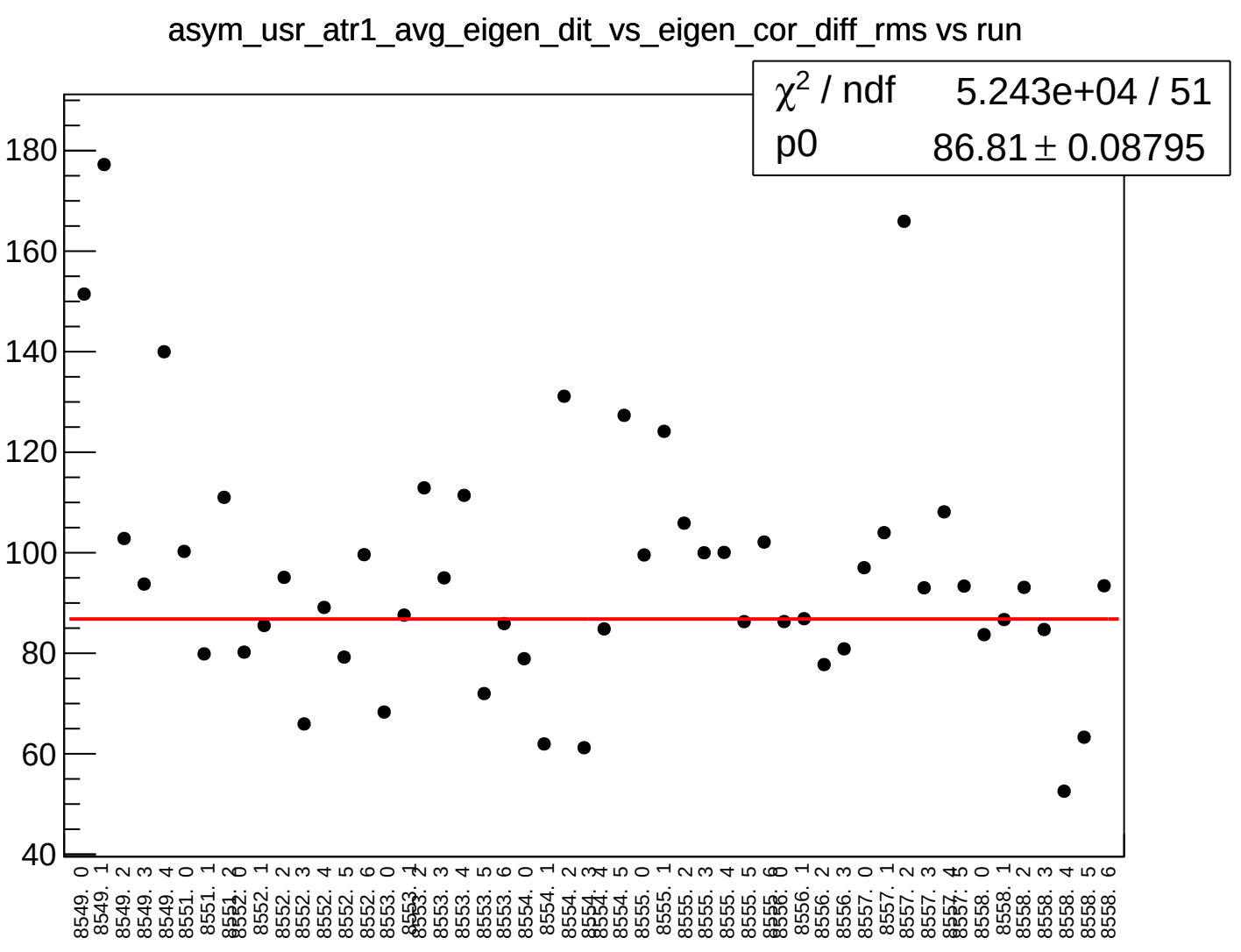
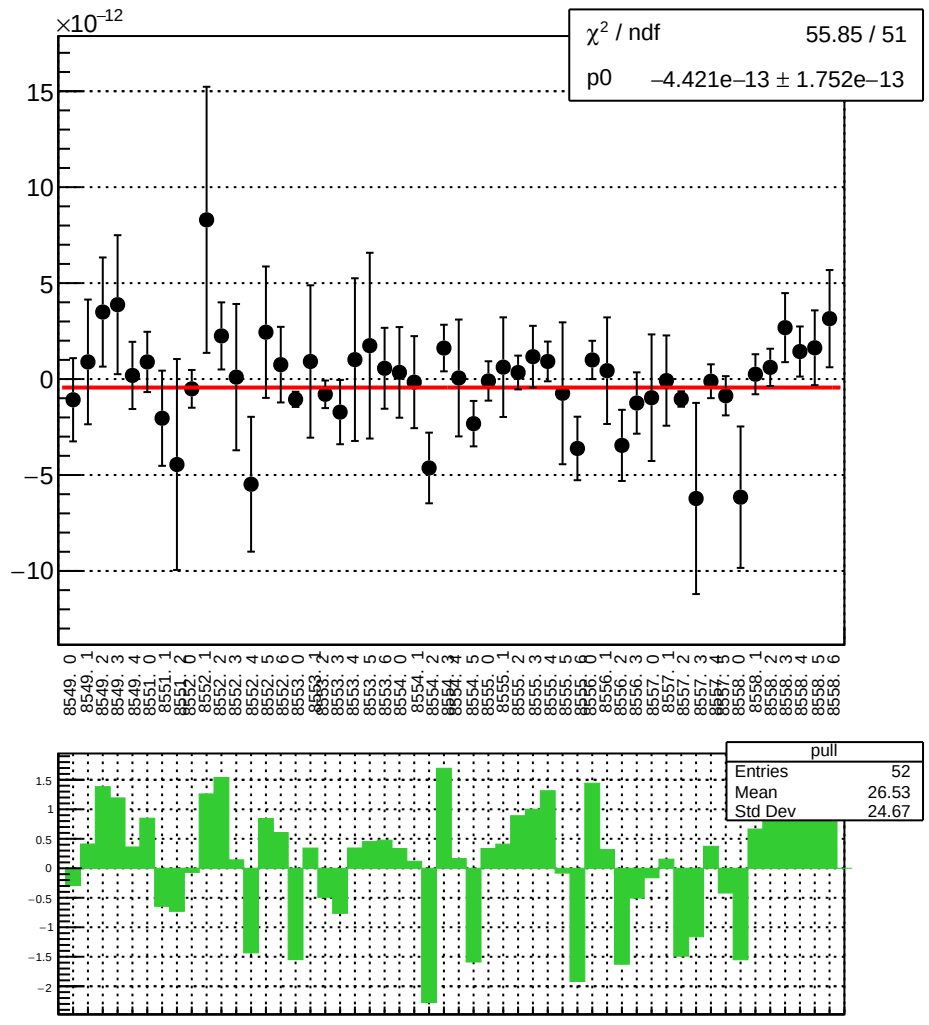
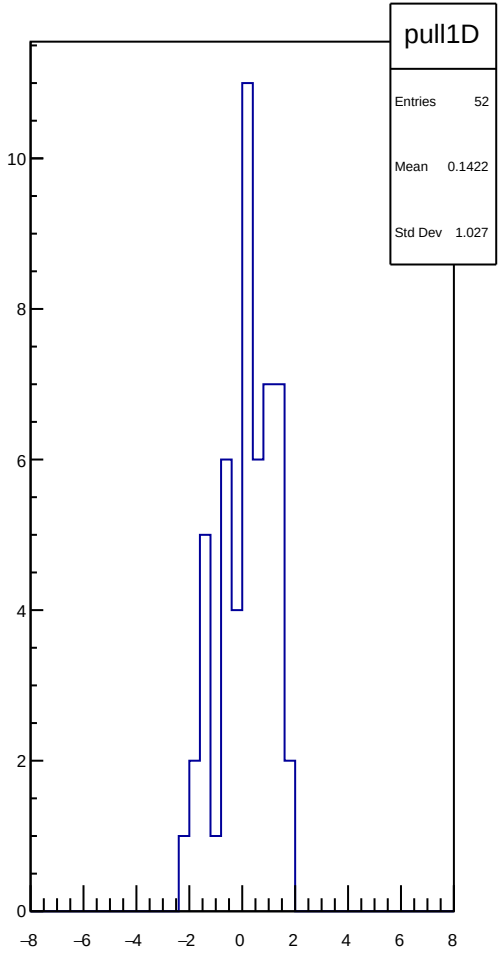
8558. 5
8558. 6

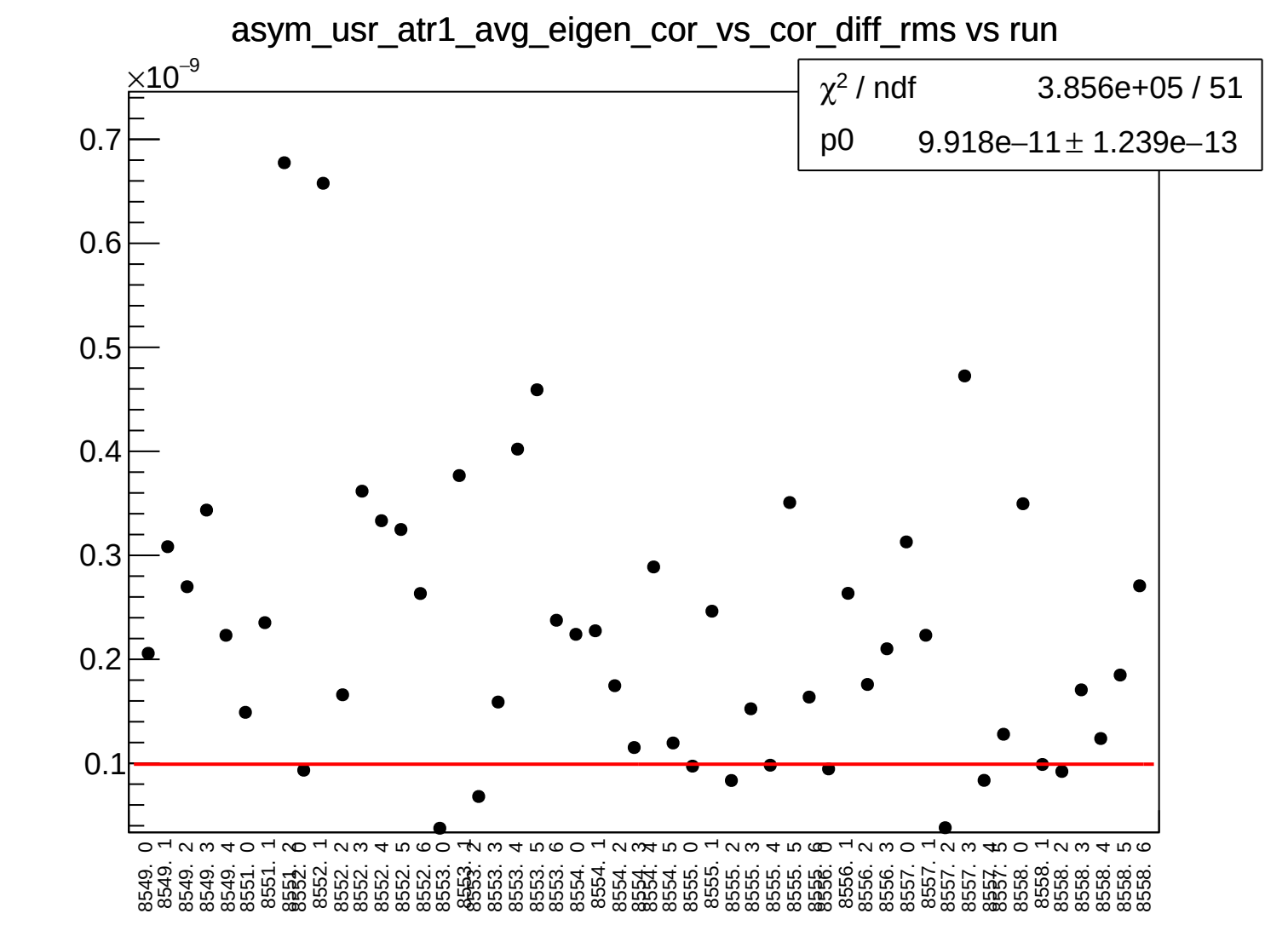

asym_usr_atr1_avg_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 74.43 / 51
p0 0.08247 ± 0.1244
pull
Entries 52
Mean 37.58
Std Dev 0

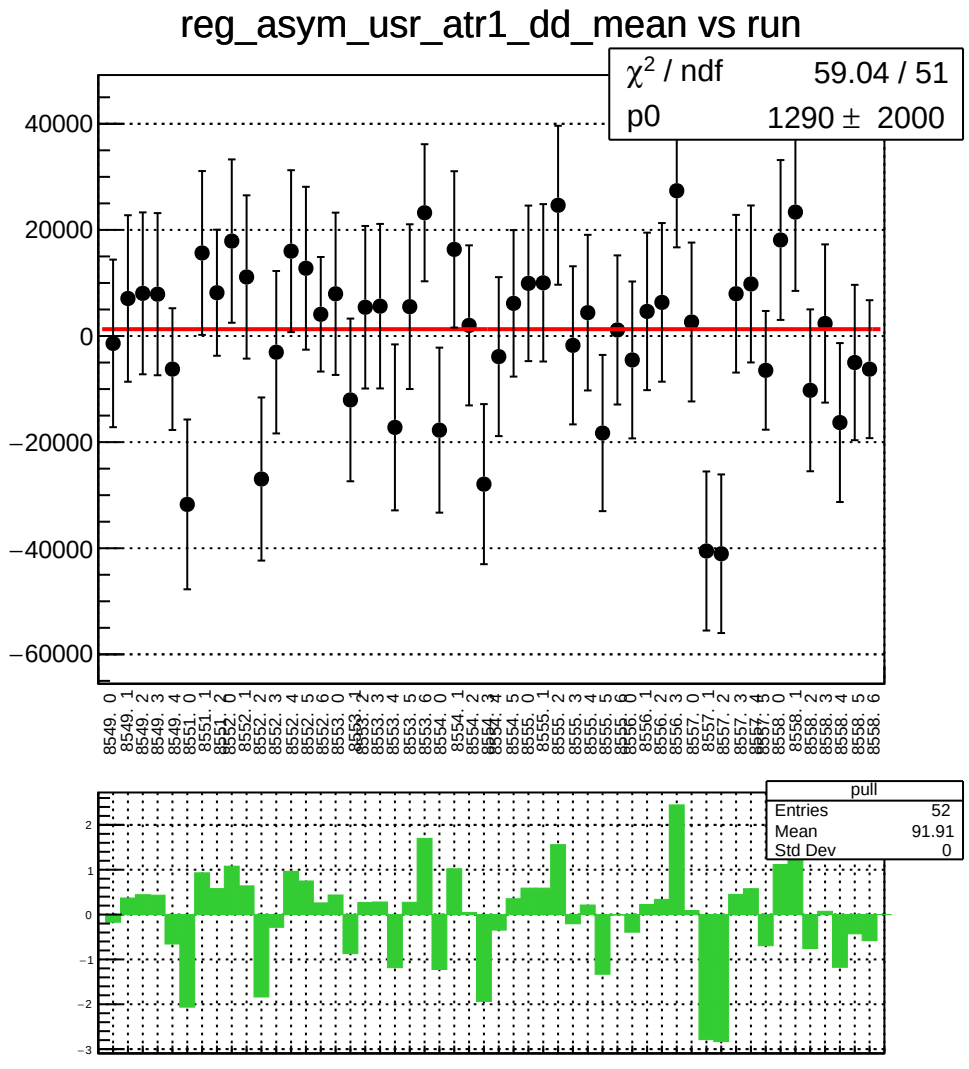

pull1D
Entries 52
Mean 0.03116
Std Dev 1.196

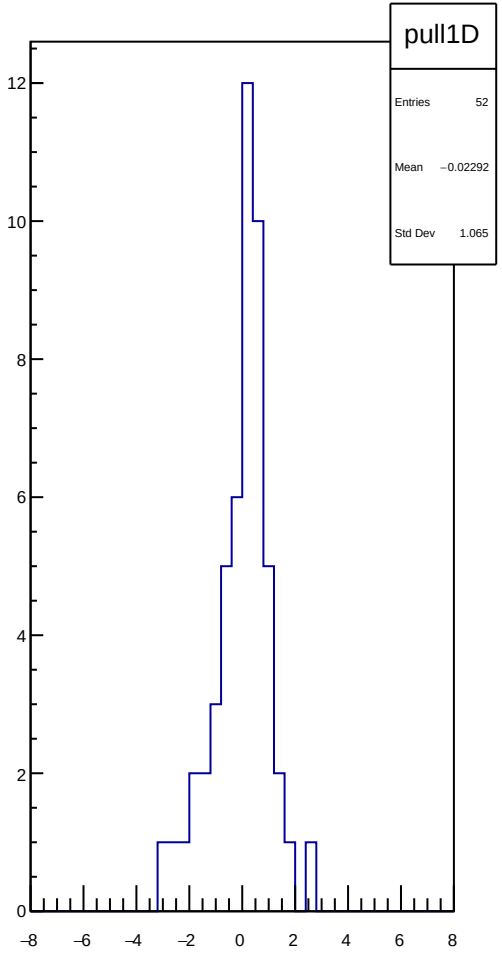

asym_usr_atr1_avg_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 5.243e+04 / 51
p0 86.81 ± 0.08795
180
160
140
120
100
80
60
40
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

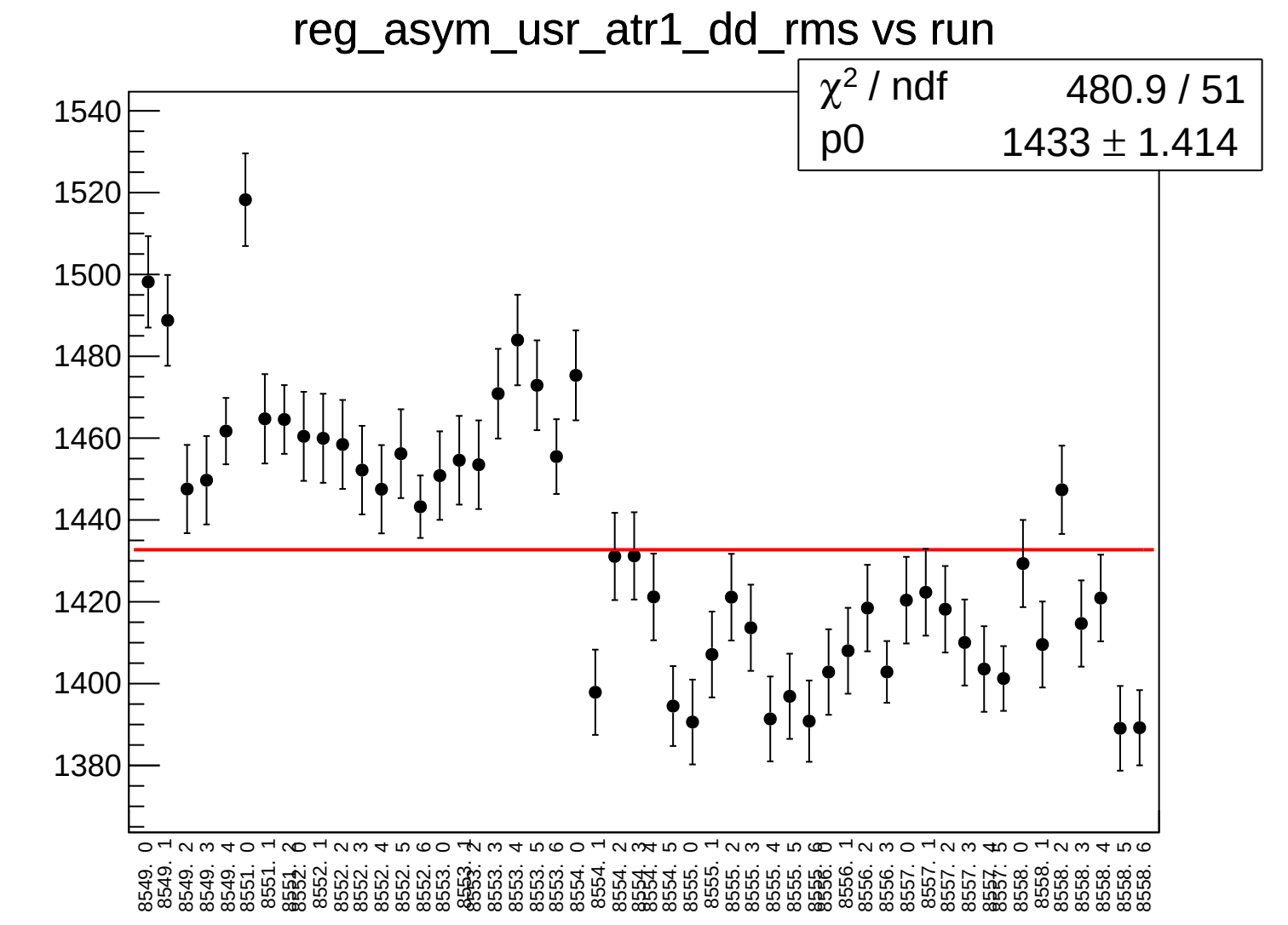

asym_usr_atr1_avg_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 55.85 / 51
p0 −4.421e−13 ± 1.752e−13
pull
Entries 52
Mean 26.53
Std Dev 24.67


pull1D
Entries 52
Mean 0.1422
Std Dev 1.027


asym_usr_atr1_avg_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 3.856e+05 / 51
p0 9.918e−11 ± 1.239e−13
0.7
0.6
0.5
0.4
0.3
0.2
0.1
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 2
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 5
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6


reg_asym_usr_atr1_dd_mean vs run
χ² / ndf 59.04 / 51
p0 1290 ± 2000
pull
Entries 52
Mean 91.91
Std Dev 0


pull1D
Entries 52
Mean −0.02292
Std Dev 1.065


reg_asym_usr_atr1_dd_rms vs run
χ² / ndf 480.9 / 51
p0 1433 ± 1.414
1540
1520
1500
1480
1460
1440
1420
1400
1380
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
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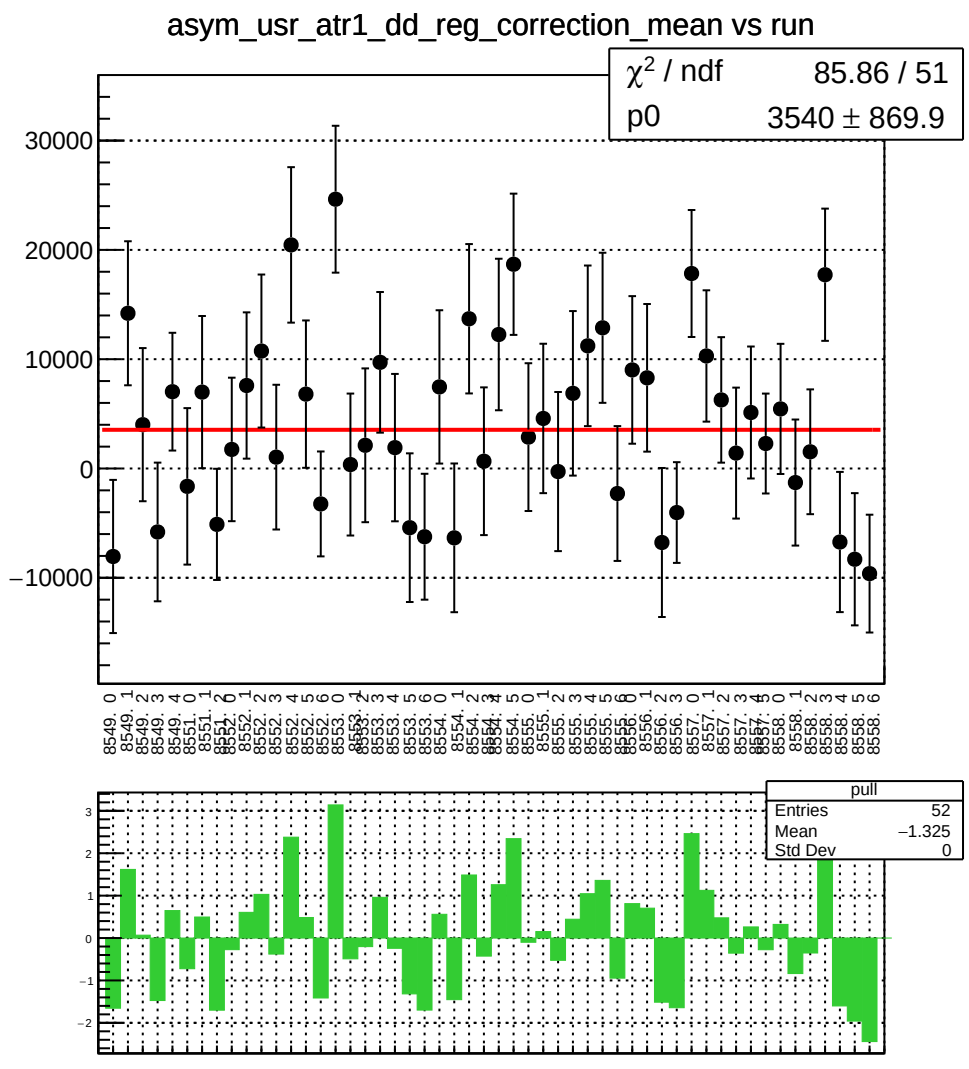
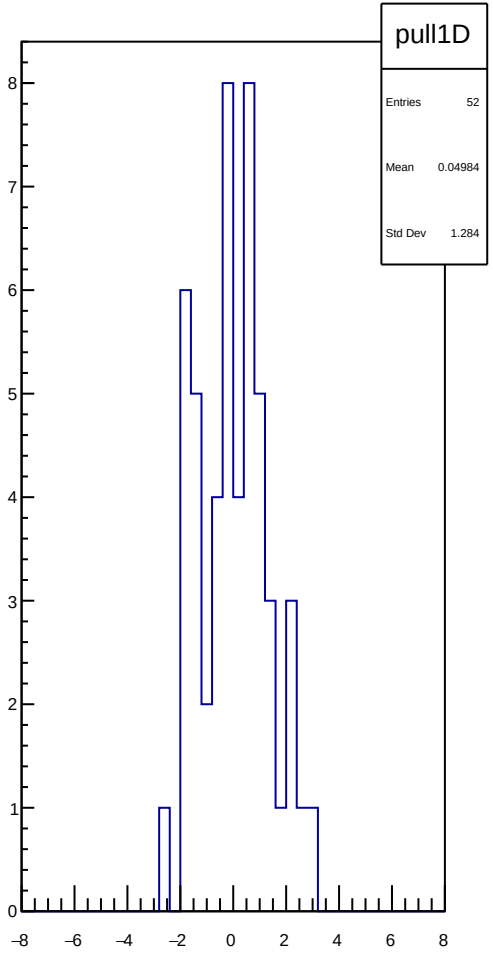
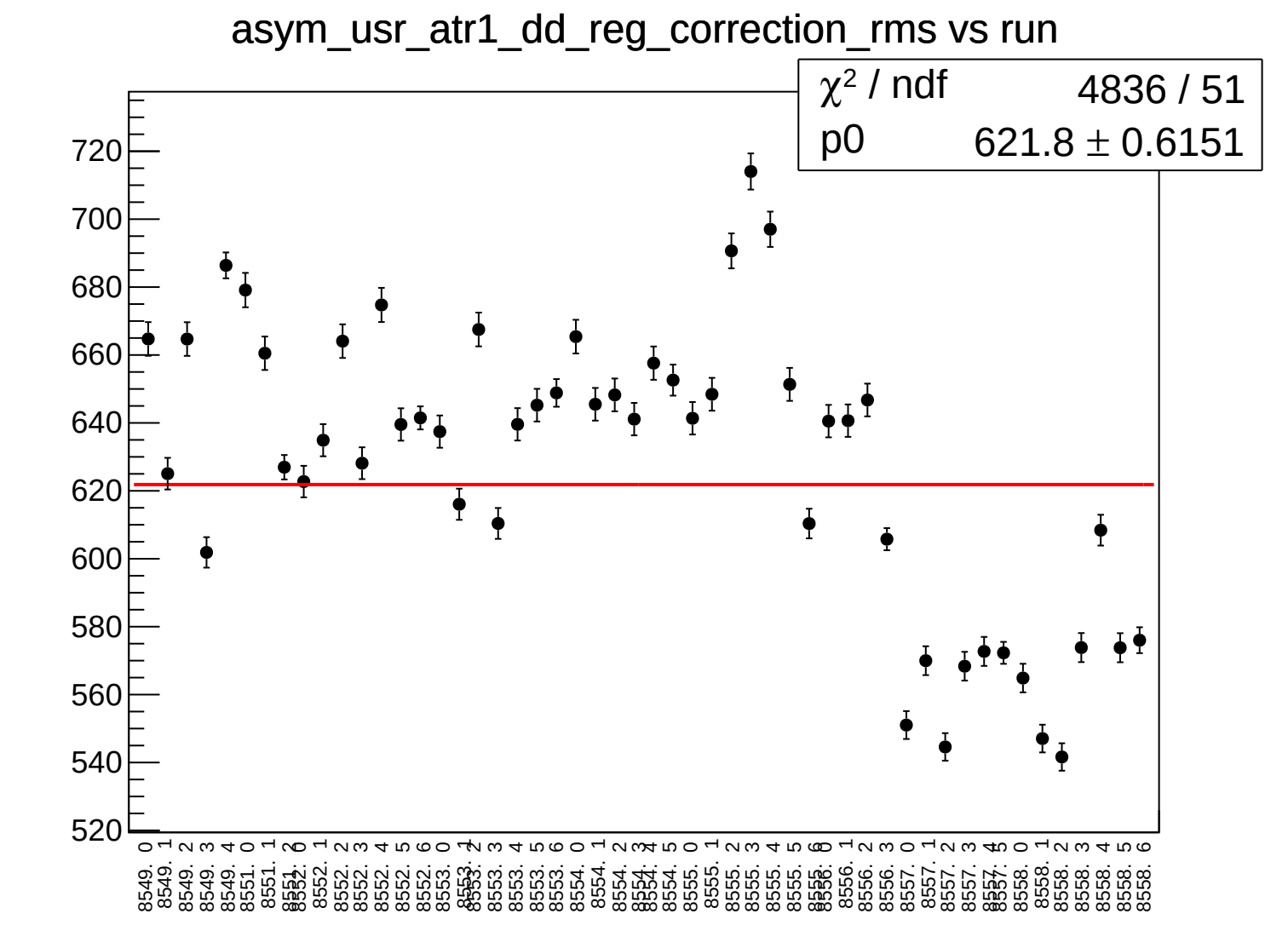
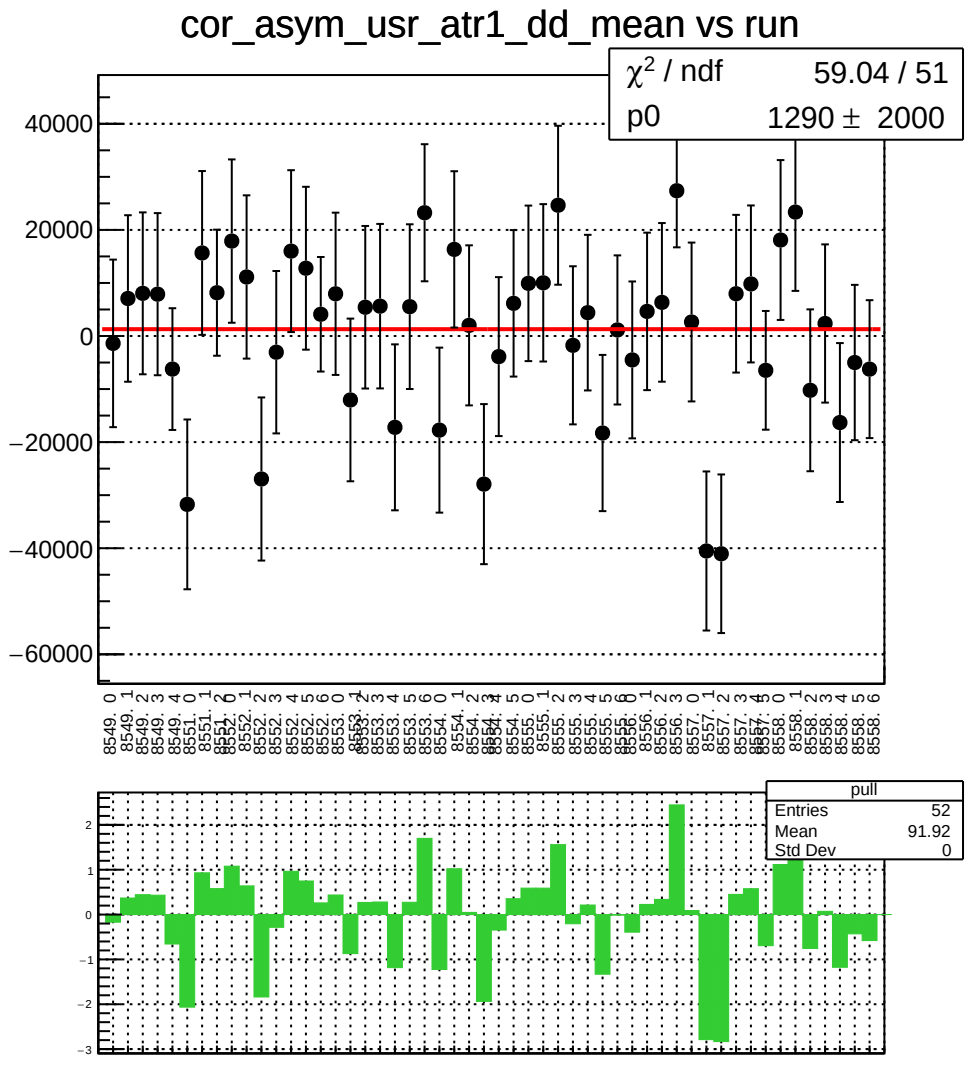
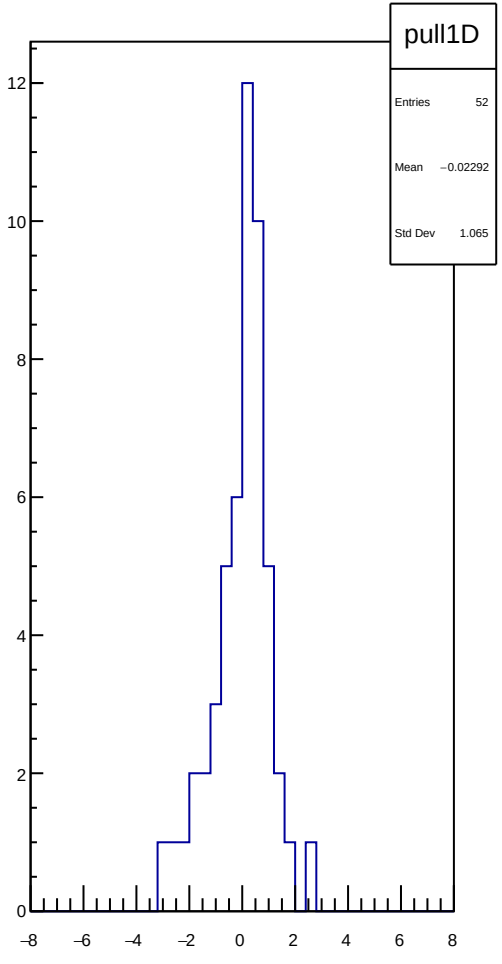
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

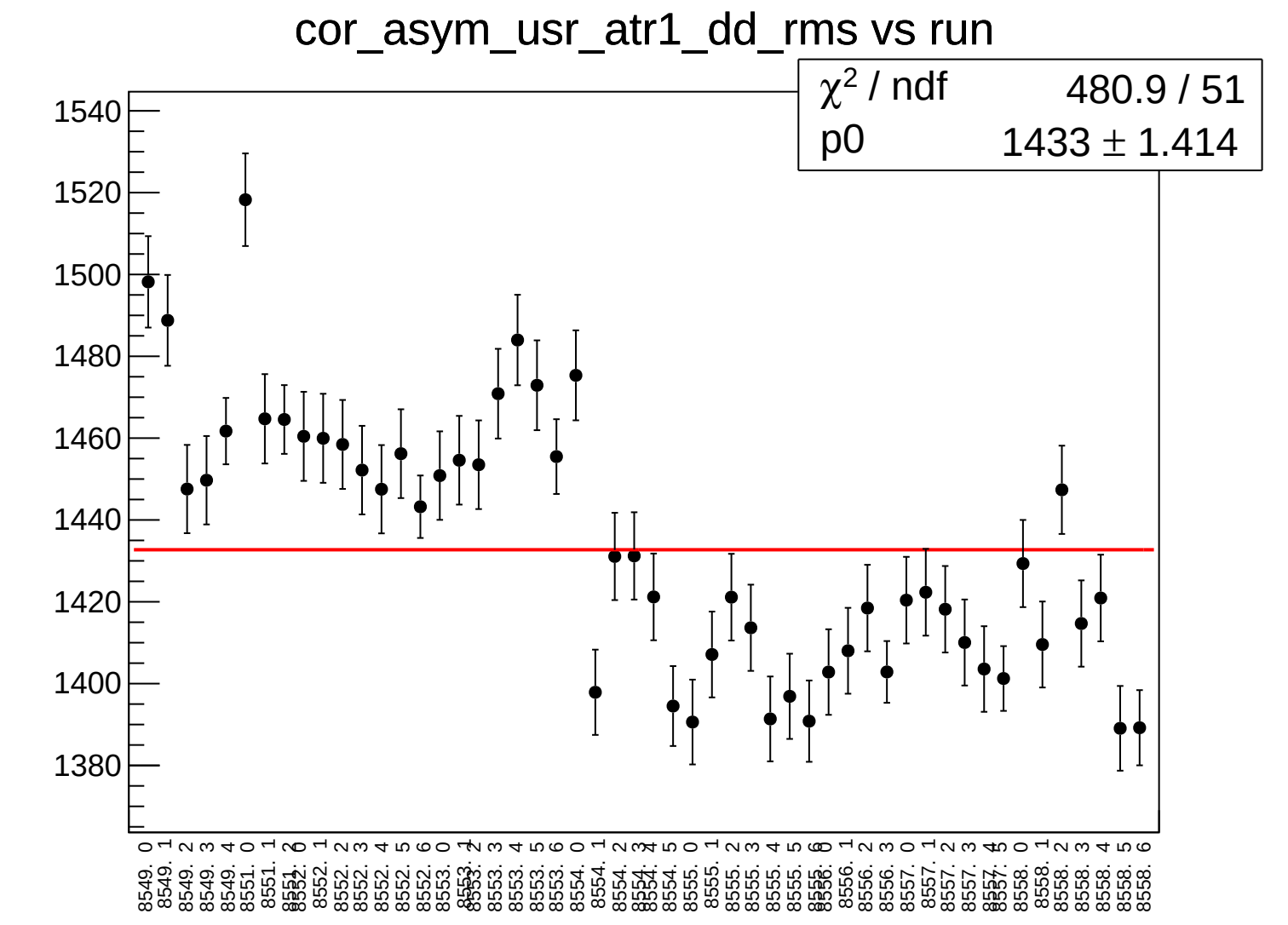

asym_usr_atr1_dd_reg_correction_mean vs run
χ² / ndf 85.86 / 51
p0 3540 ± 869.9
30000
20000
10000
0
−10000
pull
Entries 52
Mean −1.325
Std Dev 0
3
2
1
0
−1
−2

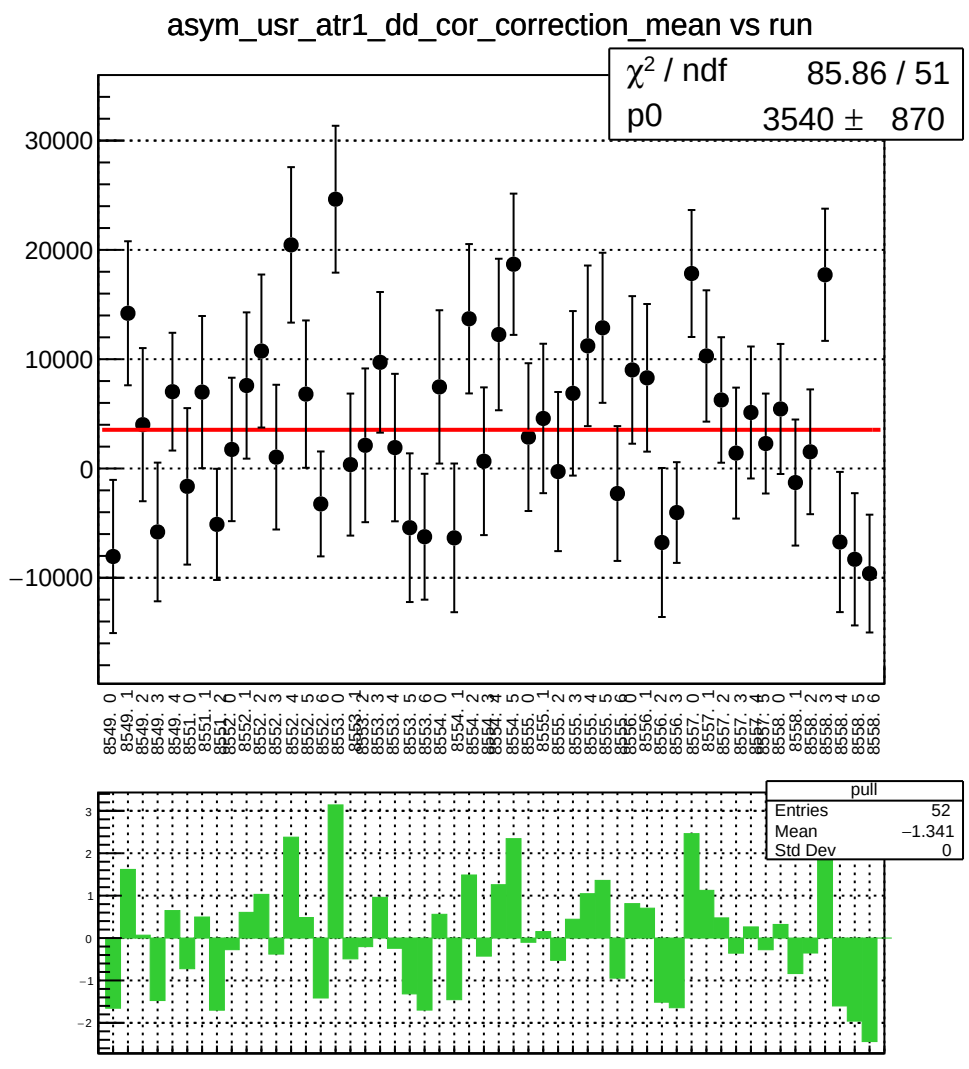

pull1D
Entries 52
Mean 0.04984
Std Dev 1.284
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

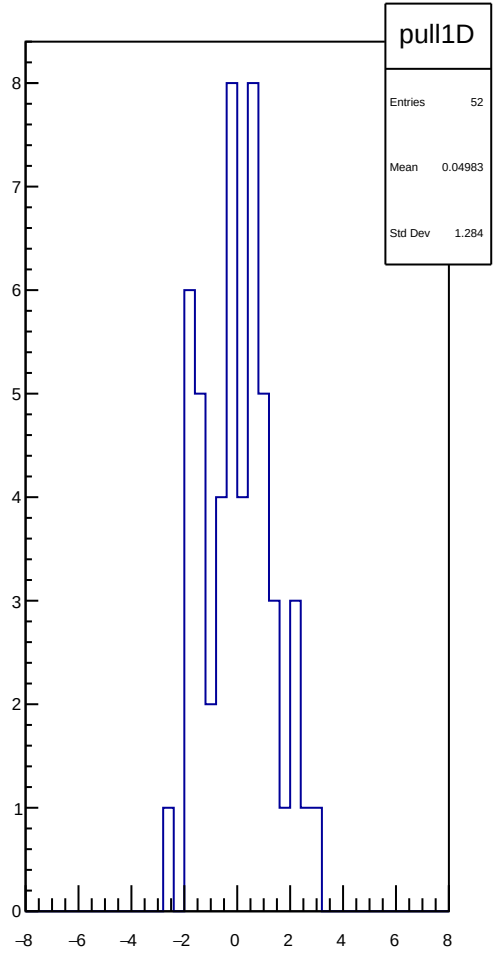

asym_usr_atr1_dd_reg_correction_rms vs run
χ² / ndf 4836 / 51
p0 621.8 ± 0.6151
720
700
680
660
640
620
600
580
560
540
520
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 5
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

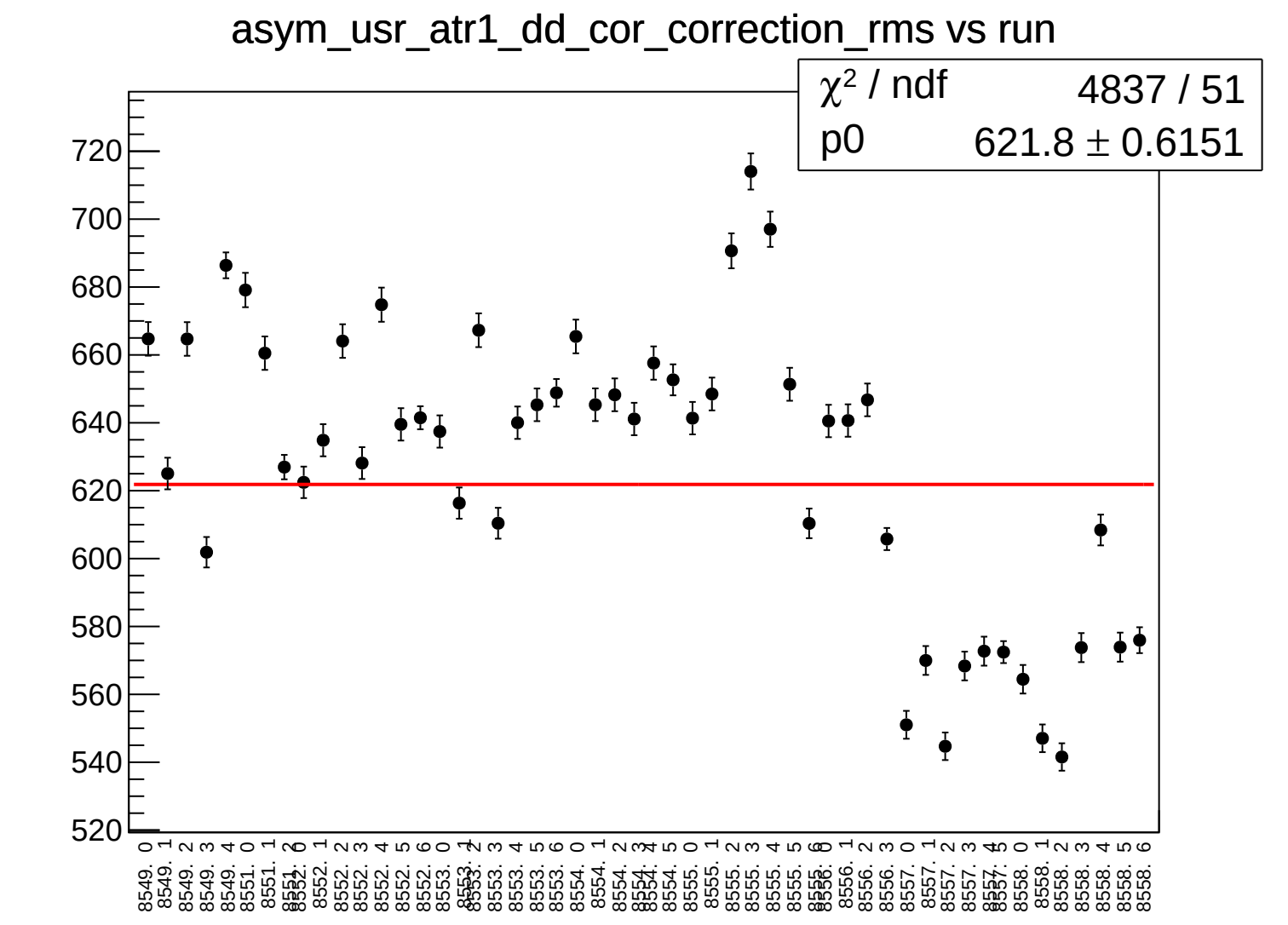

cor_asym_usr_atr1_dd_mean vs run
χ² / ndf 59.04 / 51
p0 1290 ± 2000
pull
Entries 52
Mean 91.92
Std Dev 0

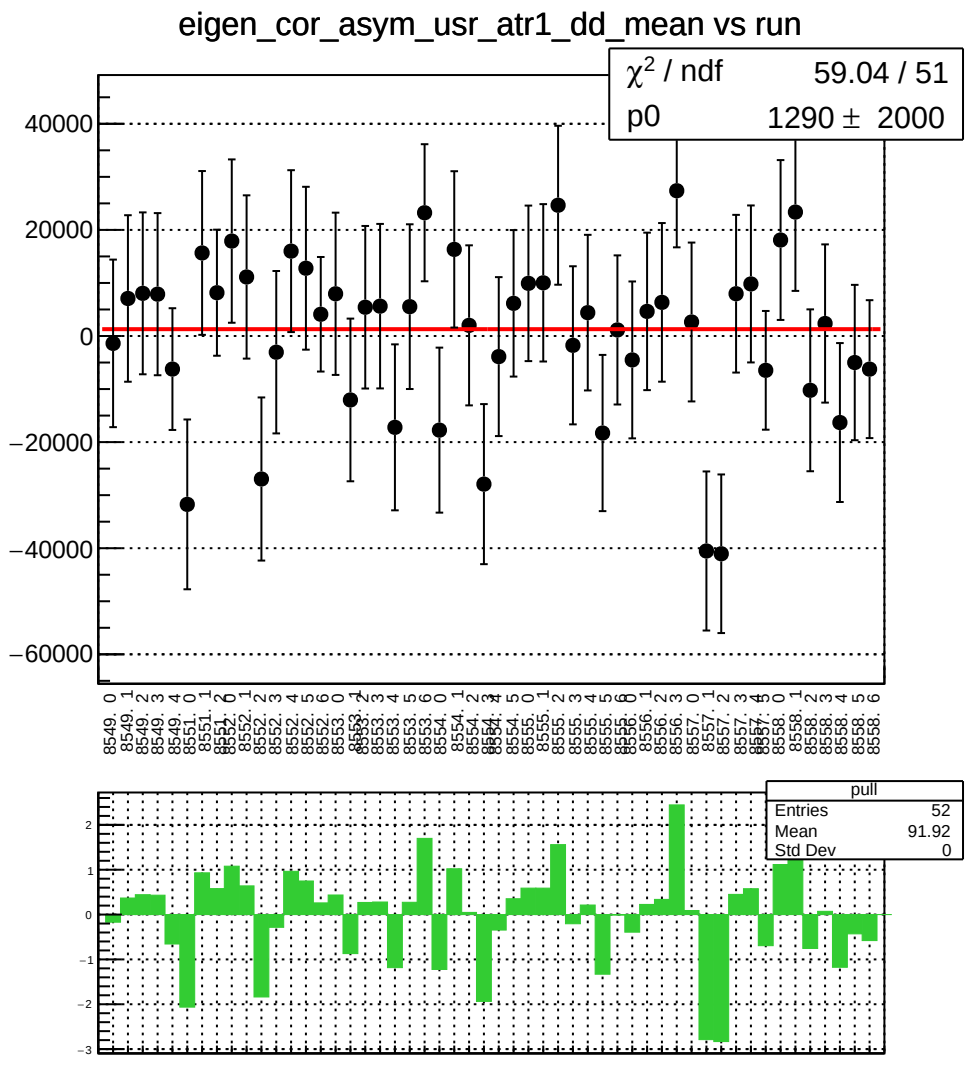

pull1D
Entries 52
Mean −0.02292
Std Dev 1.065

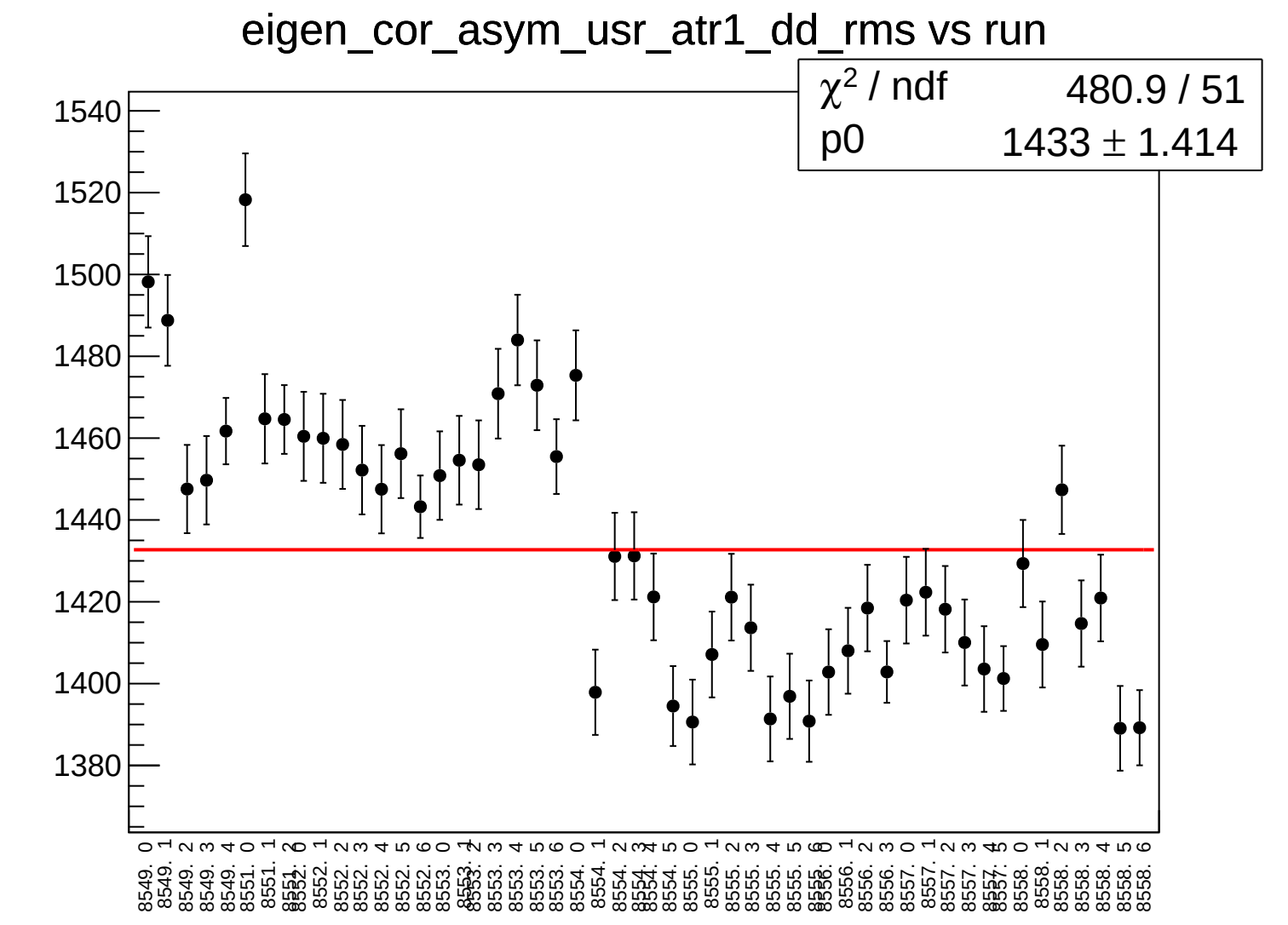

cor_asym_usr_atr1_dd_rms vs run
χ² / ndf 480.9 / 51
p0 1433 ± 1.414
1540
1520
1500
1480
1460
1440
1420
1400
1380
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

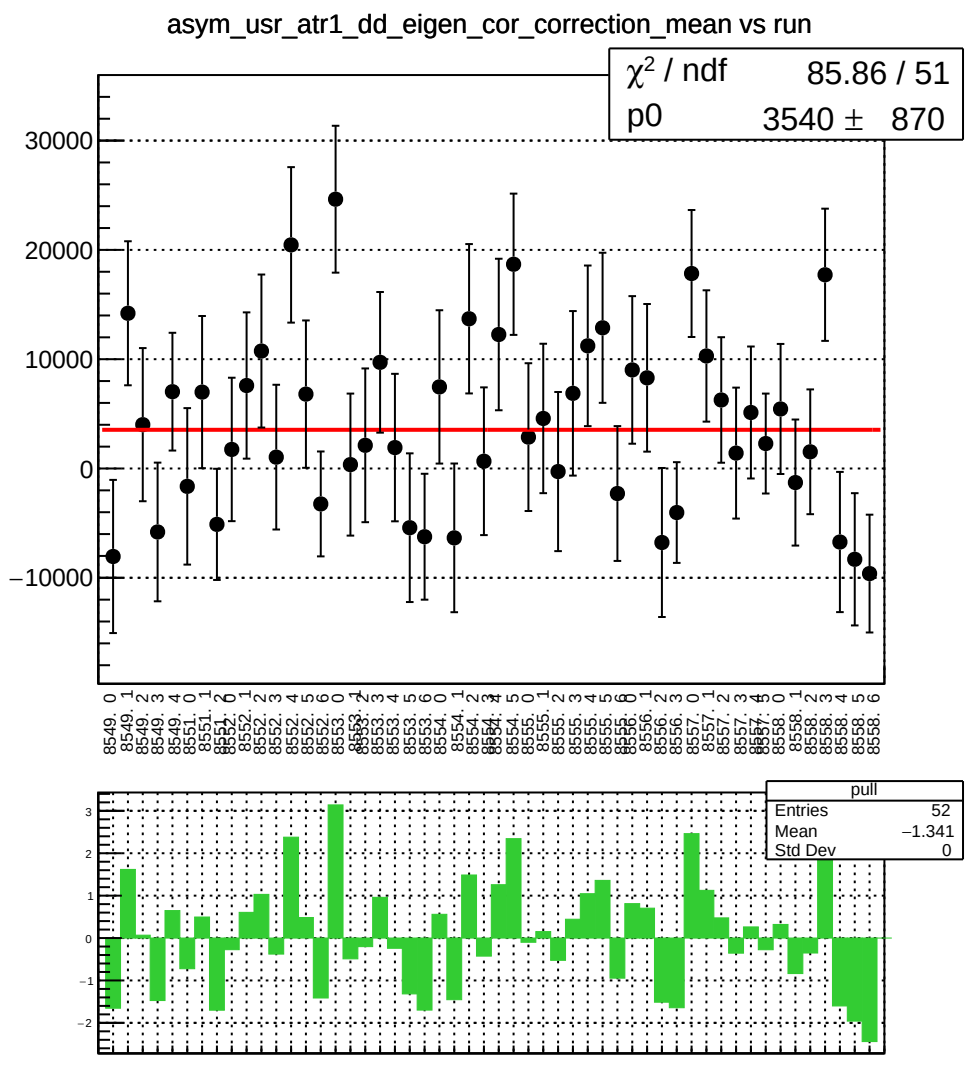

asym_usr_atr1_dd_cor_correction_mean vs run
χ² / ndf 85.86 / 51
p0 3540 ± 870
30000
20000
10000
0
−10000
pull
Entries 52
Mean −1.341
Std Dev 0
3
2
1
0
−1
−2

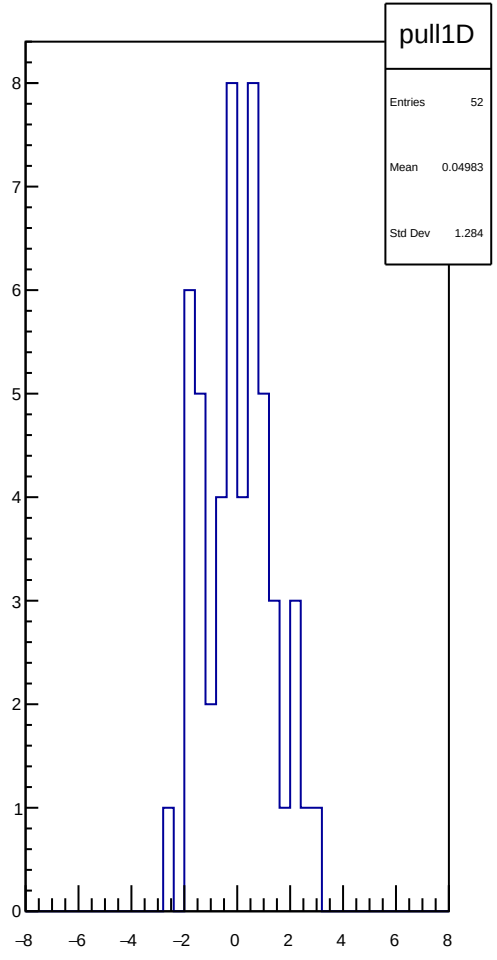

pull1D
Entries 52
Mean 0.04983
Std Dev 1.284
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

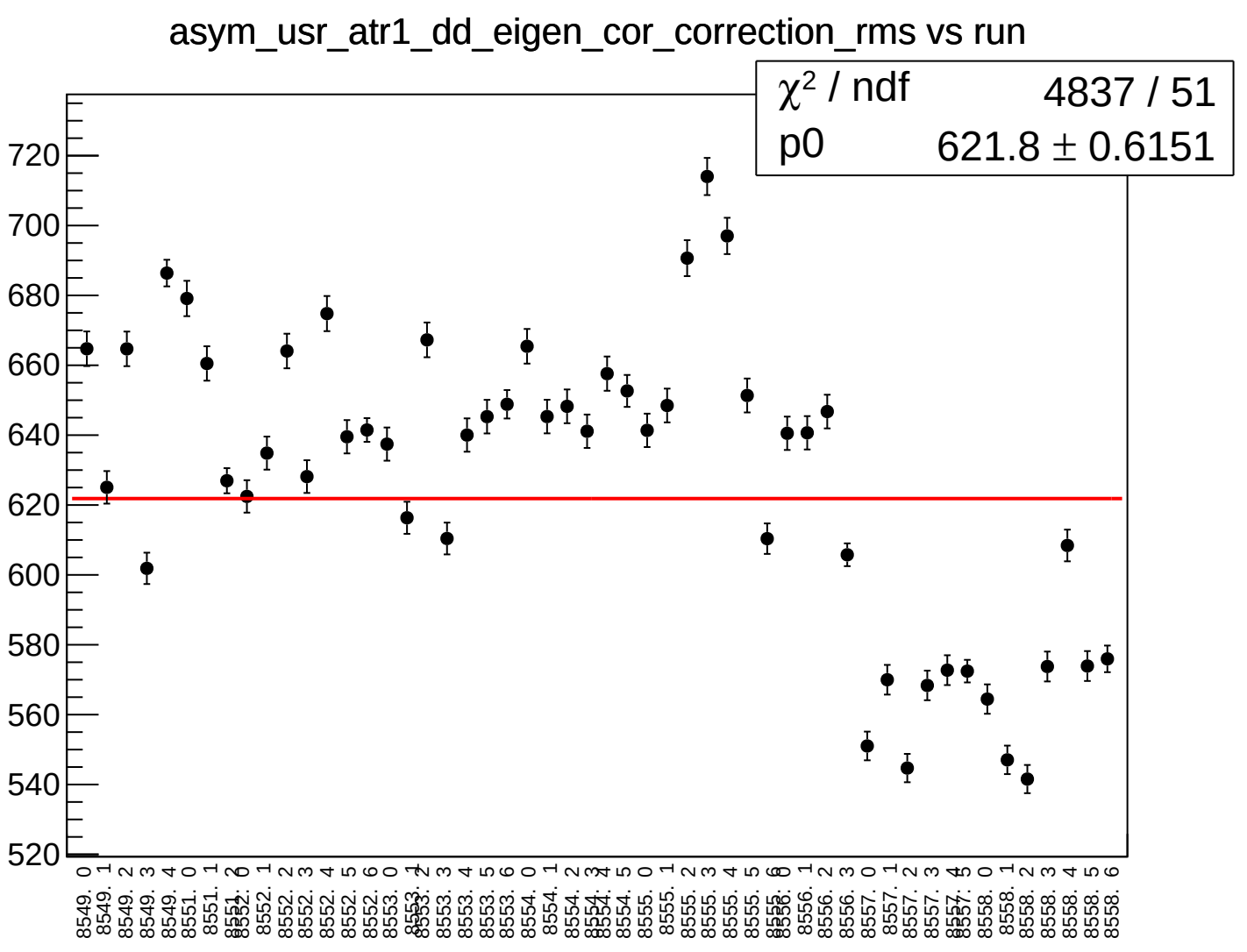

asym_usr_atr1_dd_cor_correction_rms vs run
χ² / ndf 4837 / 51
p0 621.8 ± 0.6151
720
700
680
660
640
620
600
580
560
540
520
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 5
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6


eigen_cor_asym_usr_atr1_dd_mean vs run
χ² / ndf 59.04 / 51
p0 1290 ± 2000
40000
20000
0
−20000
−40000
−60000
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8551. 2
8552. 0
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 1
8553. 2
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 3
8554. 4
8554. 5
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8555. 6
8556. 0
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8557. 4
8557. 5
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6
pull
Entries 52
Mean 91.92
Std Dev 0
2
1
0
−1
−2
−3
pull1D
Entries 52
Mean −0.02292
Std Dev 1.065
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


eigen_cor_asym_usr_atr1_dd_rms vs run
χ² / ndf 480.9 / 51
p0 1433 ± 1.414
1540
1520
1500
1480
1460
1440
1420
1400
1380
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6


asym_usr_atr1_dd_eigen_cor_correction_mean vs run
χ² / ndf 85.86 / 51
p0 3540 ± 870
30000
20000
10000
0
−10000
pull
Entries 52
Mean −1.341
Std Dev 0
3
2
1
0
−1
−2


pull1D
Entries 52
Mean 0.04983
Std Dev 1.284
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 4837 / 51
p0 621.8 ± 0.6151
720
700
680
660
640
620
600
580
560
540
520
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
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8557. 2
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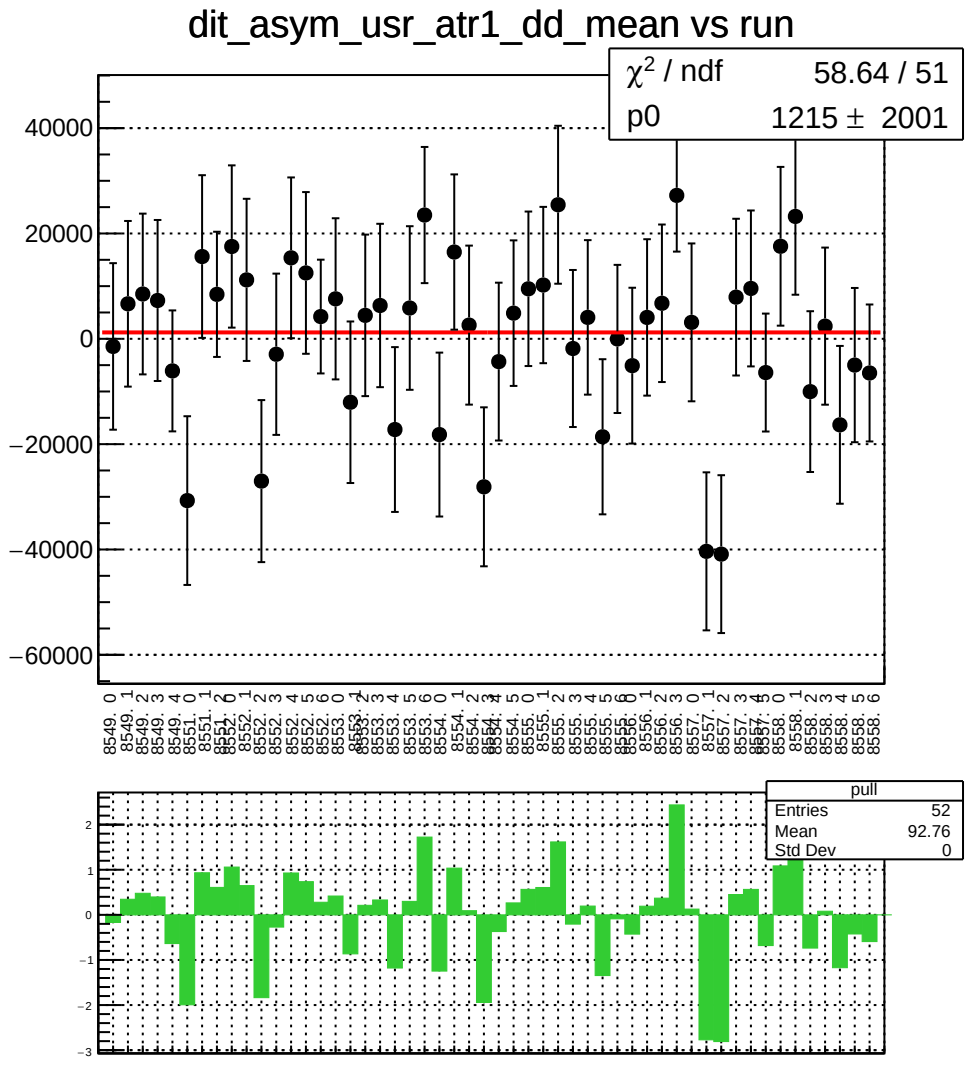
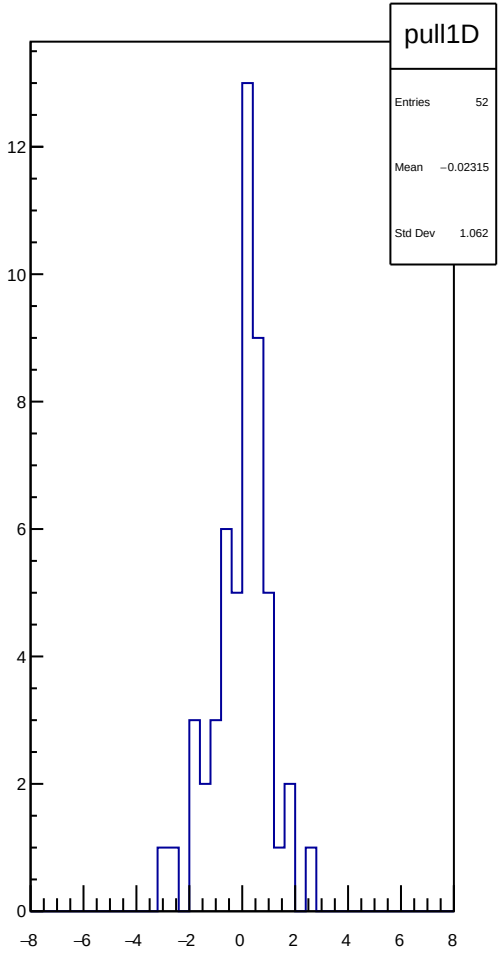
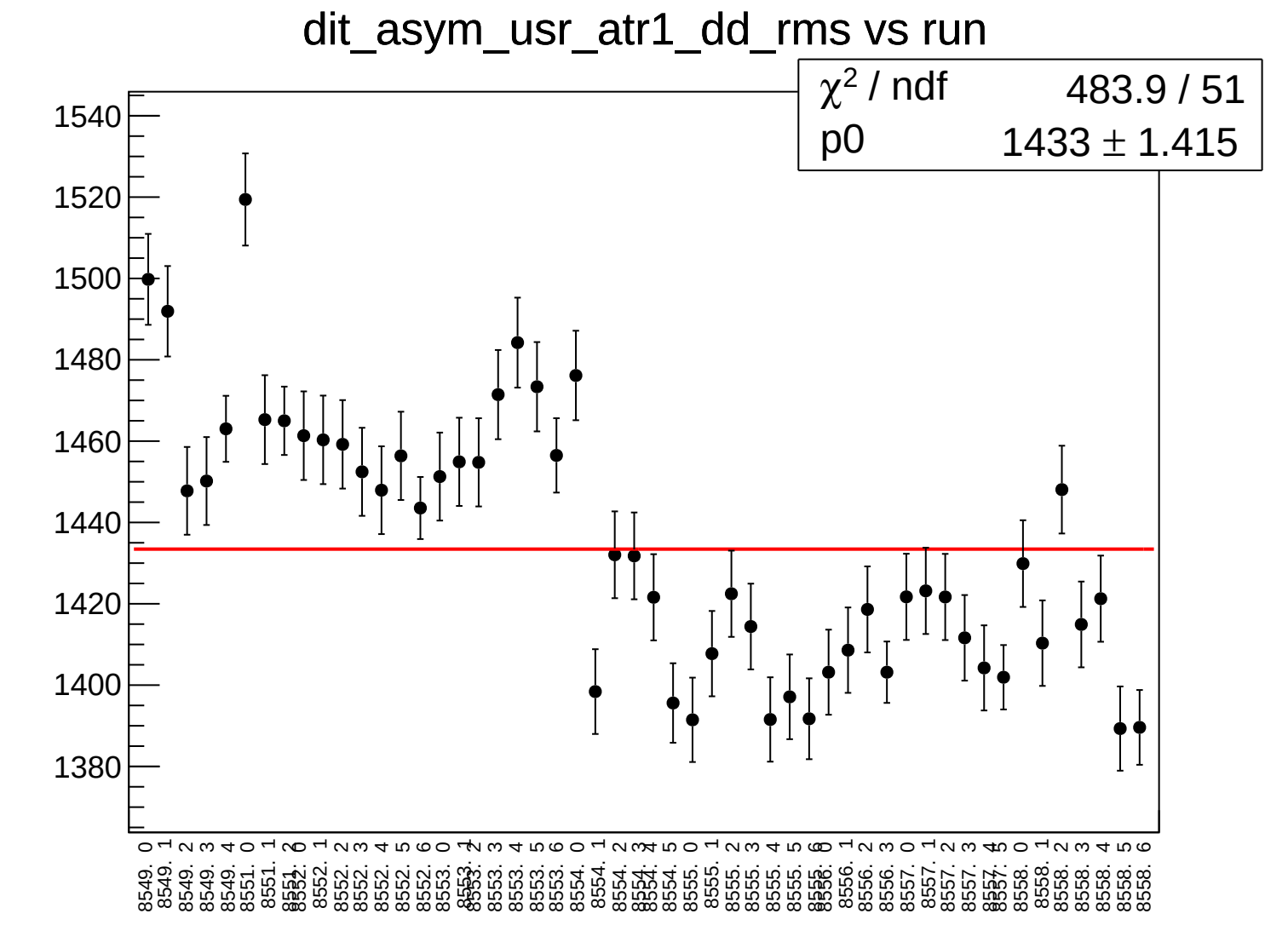
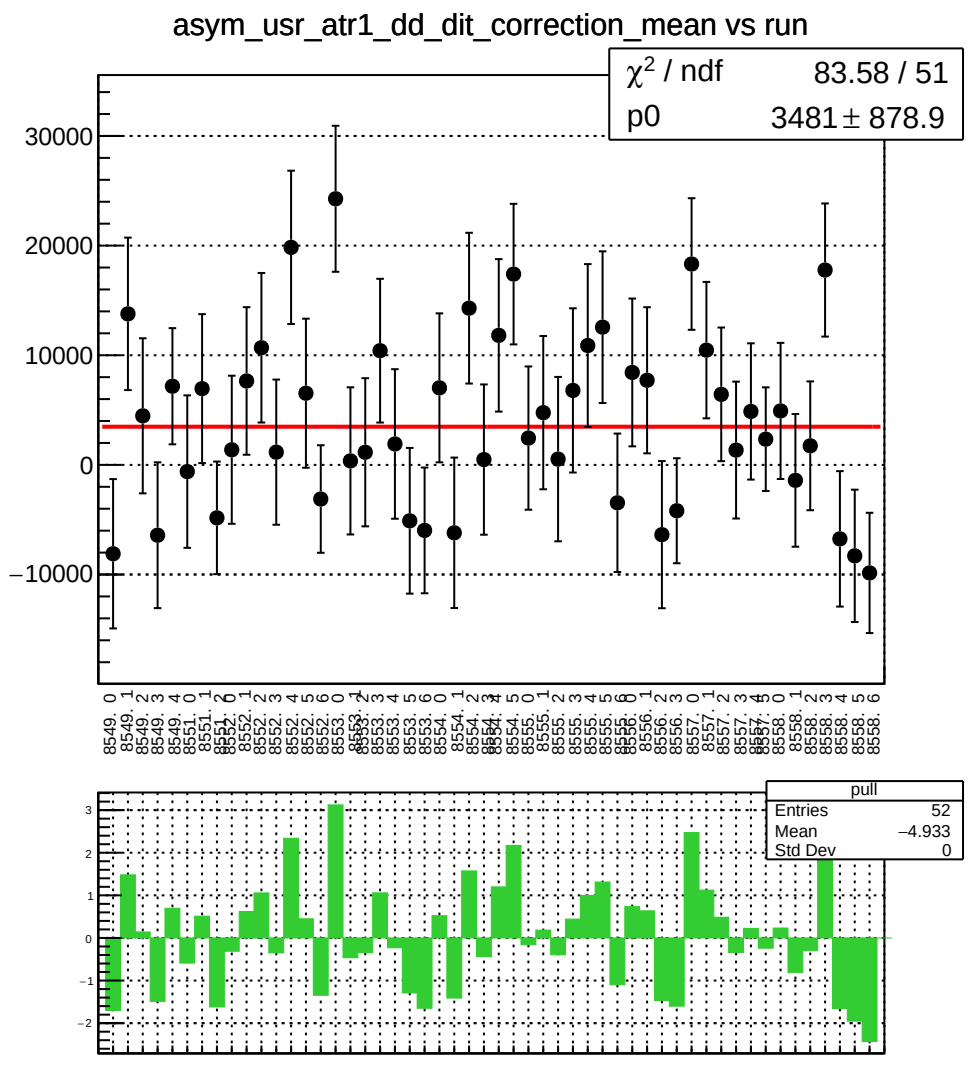
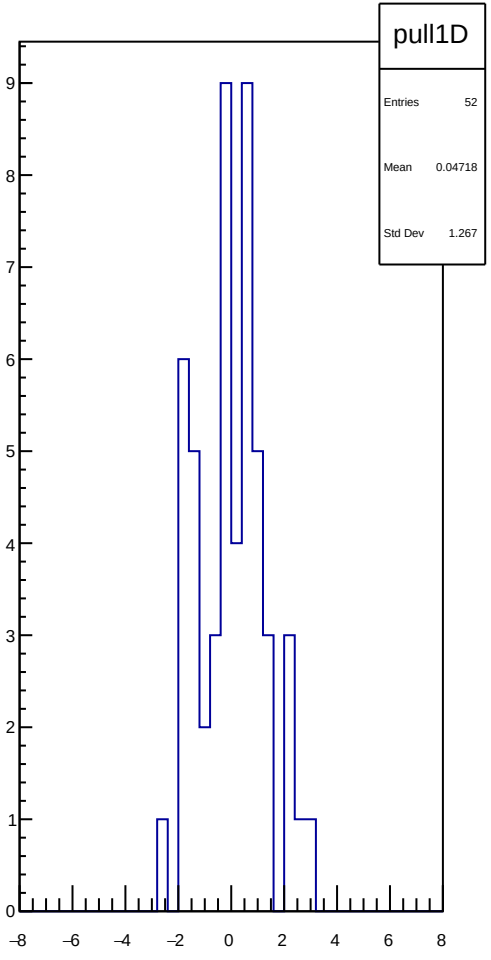
8558. 5
8558. 6

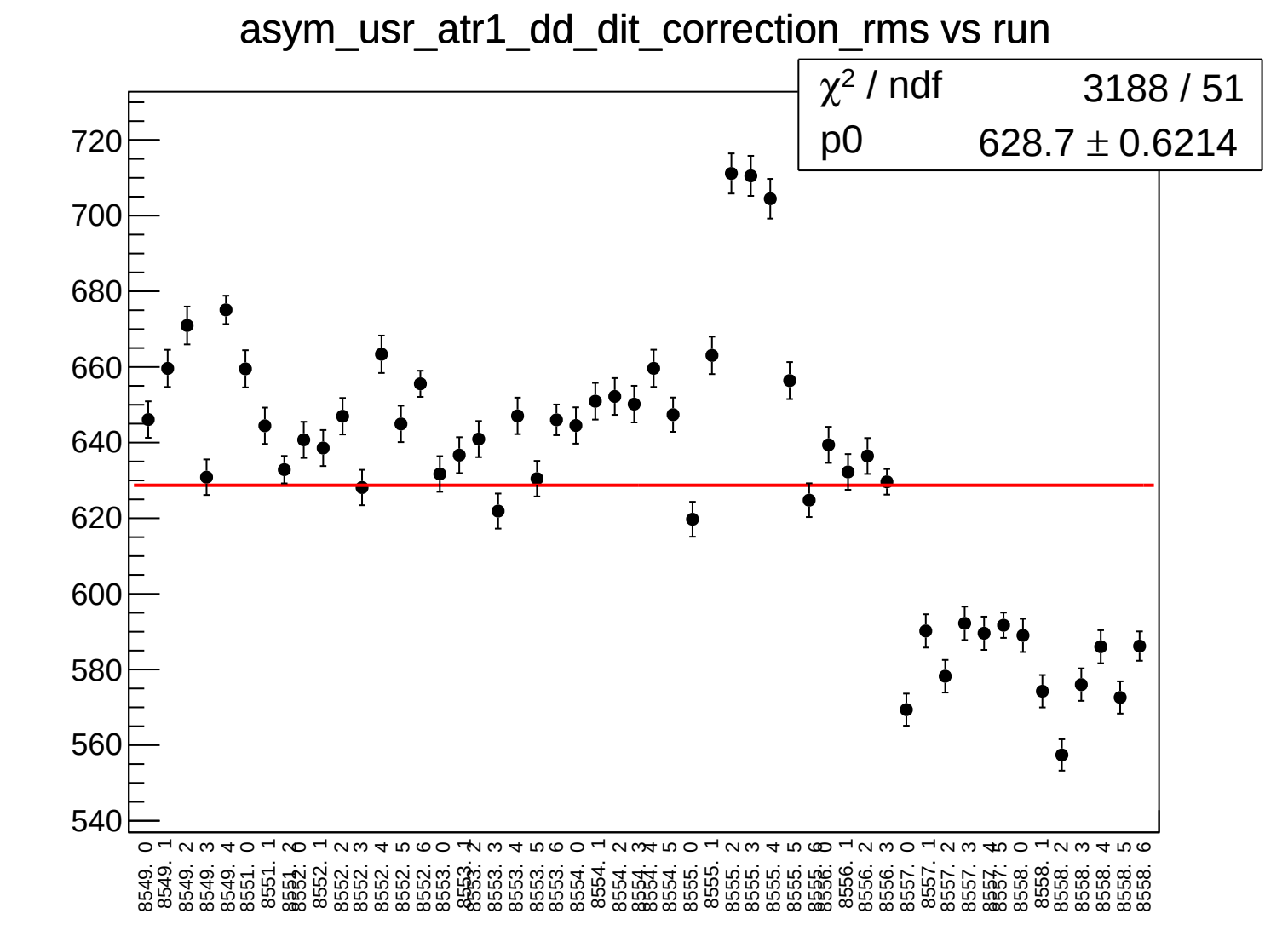

dit_asym_usr_atr1_dd_mean vs run
χ² / ndf 58.64 / 51
p0 1215 ± 2001
40000
20000
0
−20000
−40000
−60000
pull
Entries 52
Mean 92.76
Std Dev 0
2
1
0
−1
−2
−3

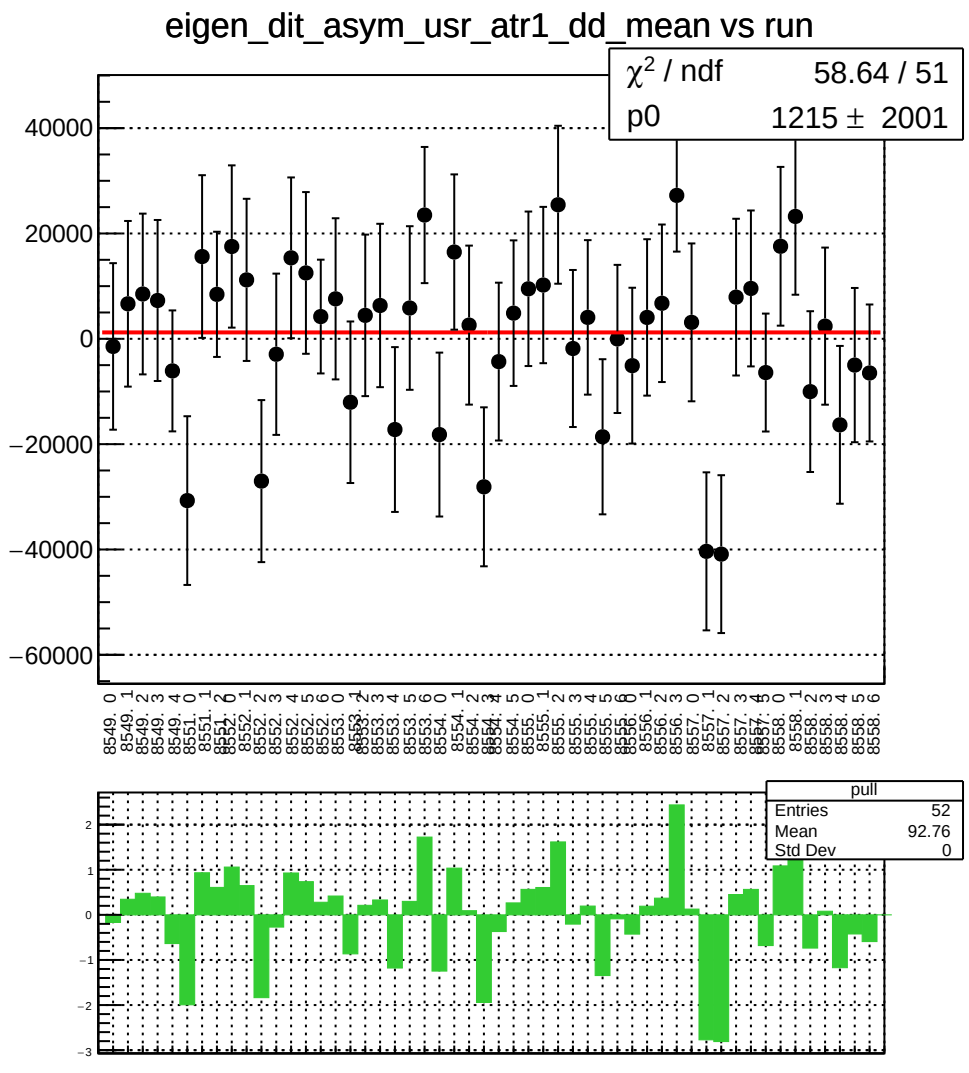

pull1D
Entries 52
Mean −0.02315
Std Dev 1.062
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

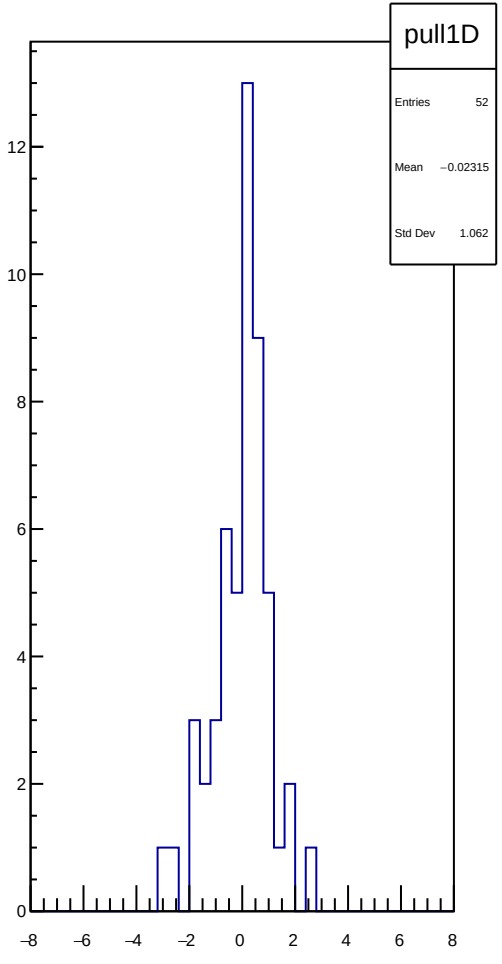

dit_asym_usr_atr1_dd_rms vs run
χ² / ndf 483.9 / 51
p0 1433 ± 1.415
1540
1520
1500
1480
1460
1440
1420
1400
1380
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

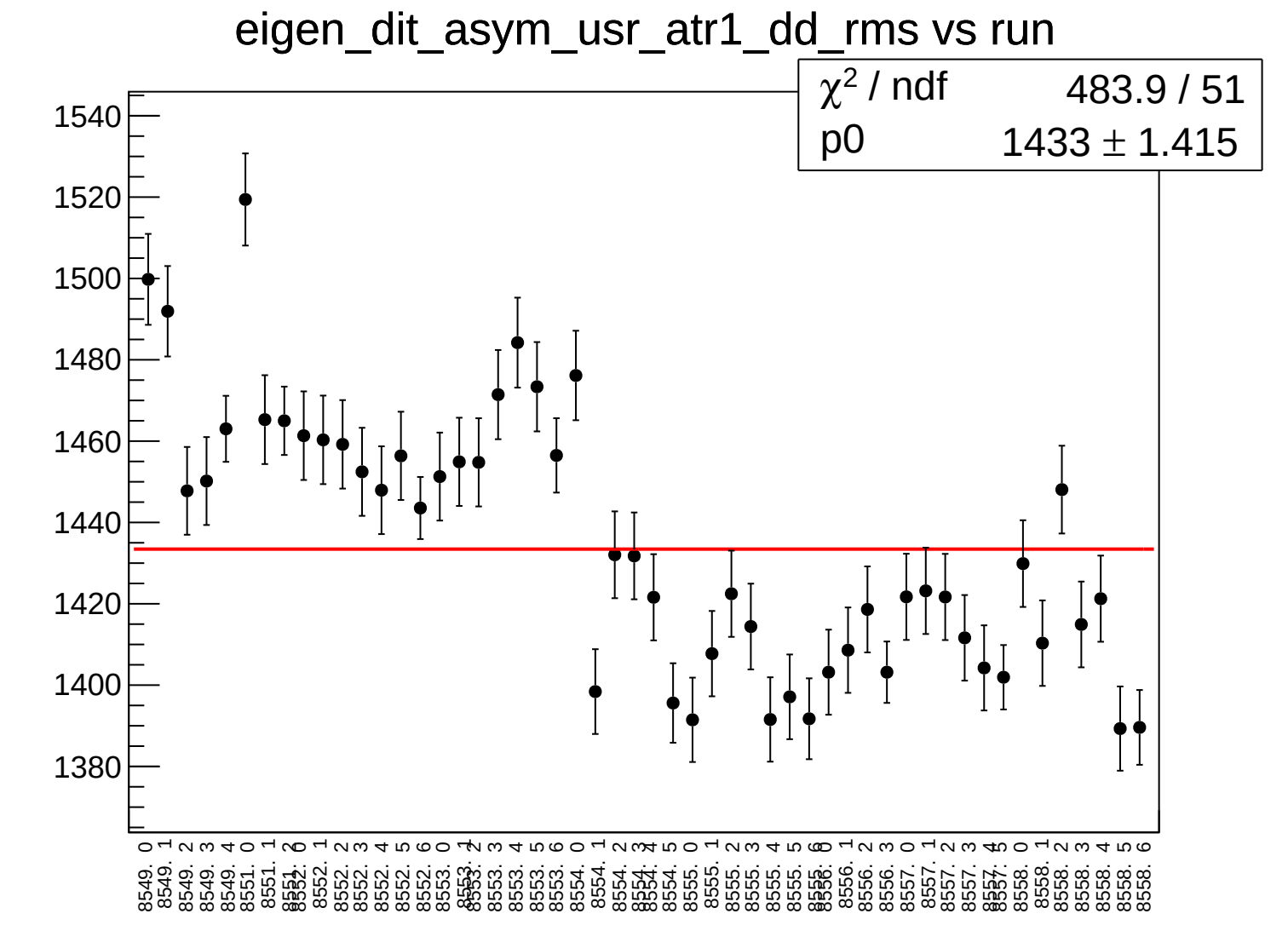

asym_usr_atr1_dd_dit_correction_mean vs run
χ² / ndf 83.58 / 51
p0 3481 ± 878.9
30000
20000
10000
0
−10000
pull
Entries 52
Mean −4.933
Std Dev 0
3
2
1
0
−1
−2

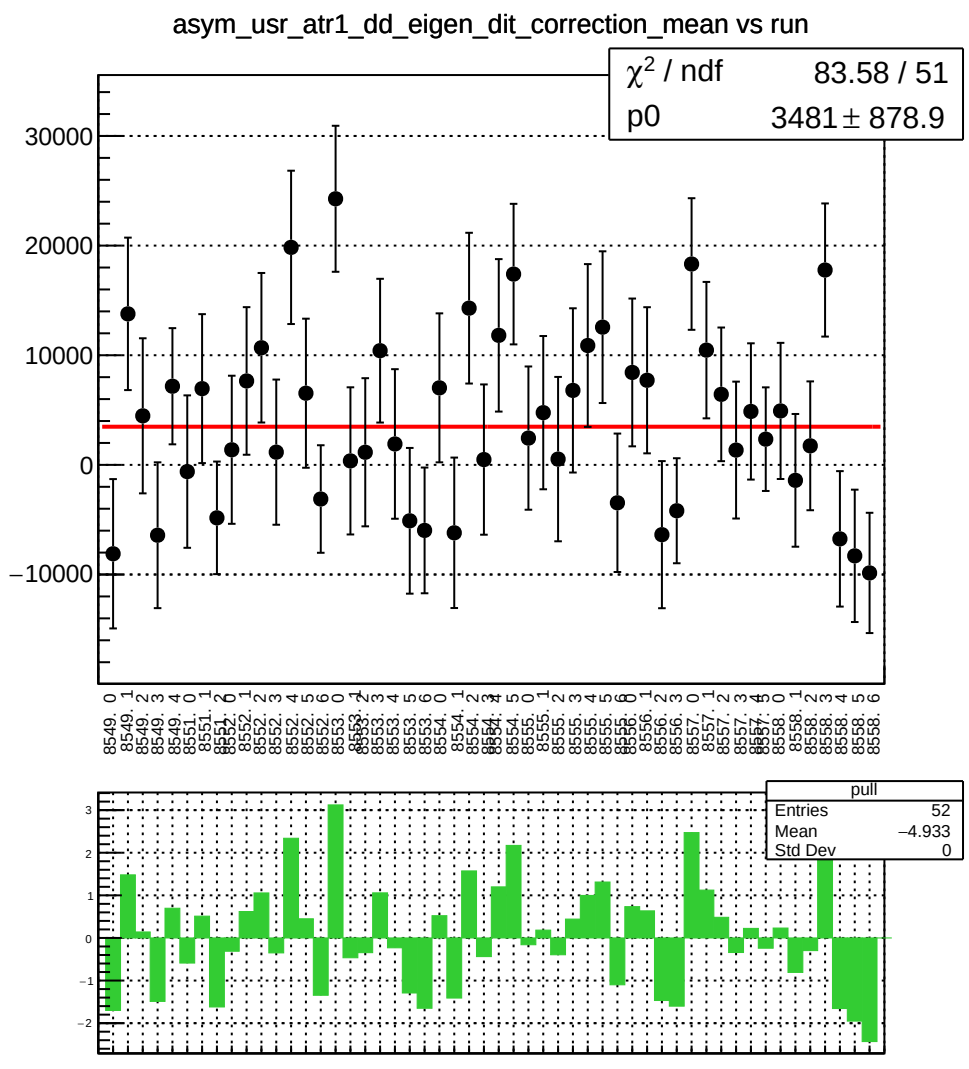

pull1D
Entries 52
Mean 0.04718
Std Dev 1.267
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

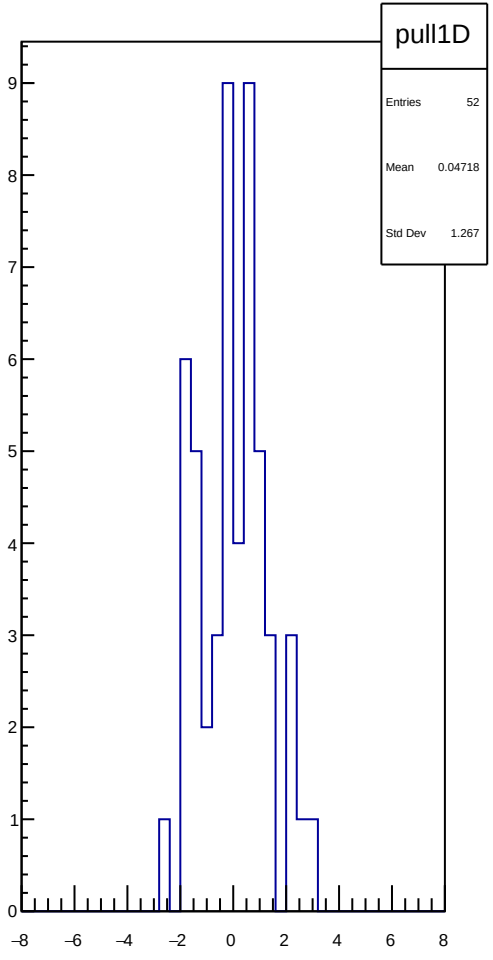

asym_usr_atr1_dd_dit_correction_rms vs run
χ² / ndf 3188 / 51
p0 628.7 ± 0.6214
720
700
680
660
640
620
600
580
560
540
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 5
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

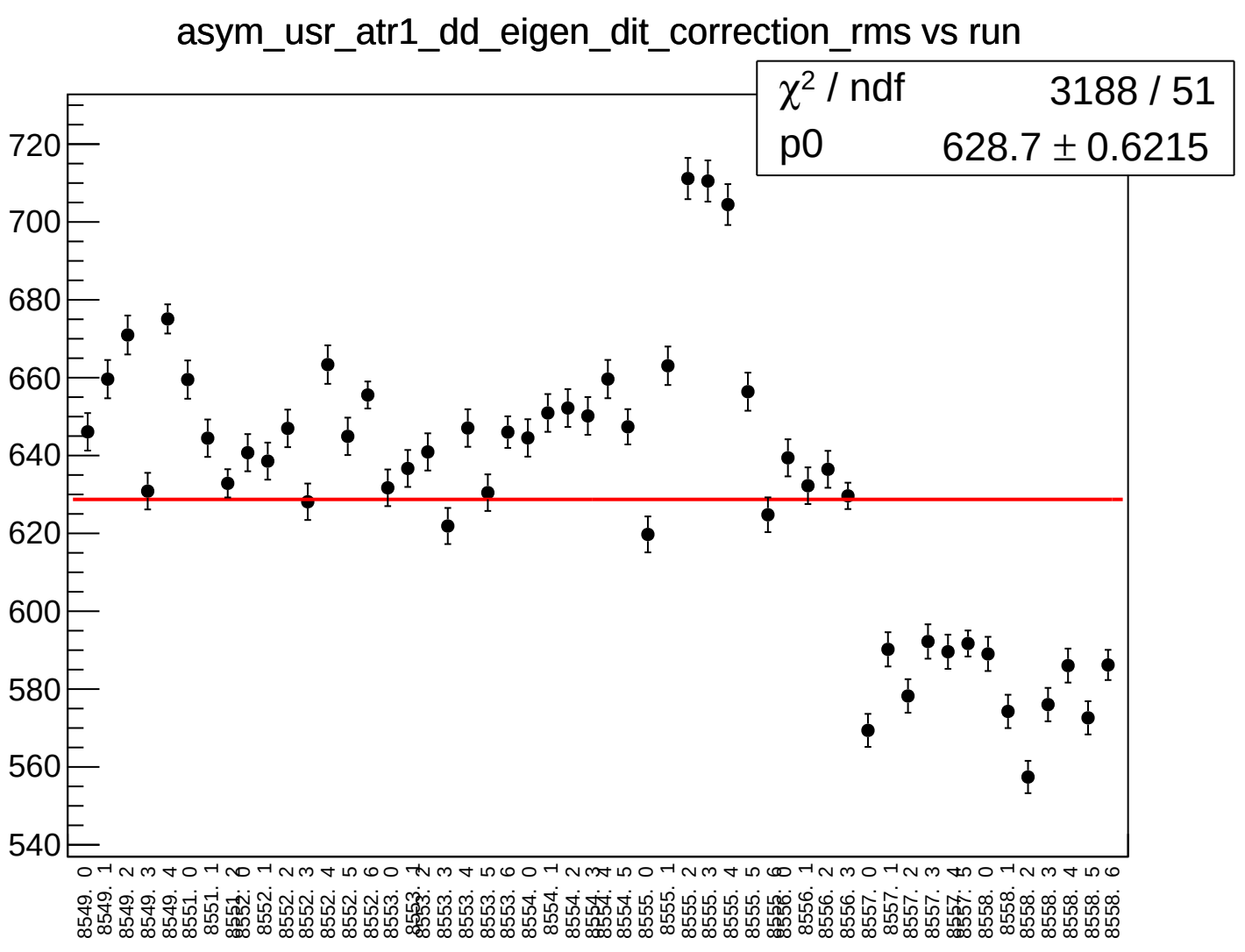

eigen_dit_asym_usr_atr1_dd_mean vs run
χ² / ndf 58.64 / 51
p0 1215 ± 2001
40000
20000
0
−20000
−40000
−60000
pull
Entries 52
Mean 92.76
Std Dev 0
2
1
0
−1
−2
−3


pull1D
Entries 52
Mean −0.02315
Std Dev 1.062
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


eigen_dit_asym_usr_atr1_dd_rms vs run
χ² / ndf 483.9 / 51
p0 1433 ± 1.415
1540
1520
1500
1480
1460
1440
1420
1400
1380
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6


asym_usr_atr1_dd_eigen_dit_correction_mean vs run
χ² / ndf 83.58 / 51
p0 3481 ± 878.9
30000
20000
10000
0
−10000
pull
Entries 52
Mean −4.933
Std Dev 0
3
2
1
0
−1
−2


pull1D
Entries 52
Mean 0.04718
Std Dev 1.267
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 3188 / 51
p0 628.7 ± 0.6215
720
700
680
660
640
620
600
580
560
540
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
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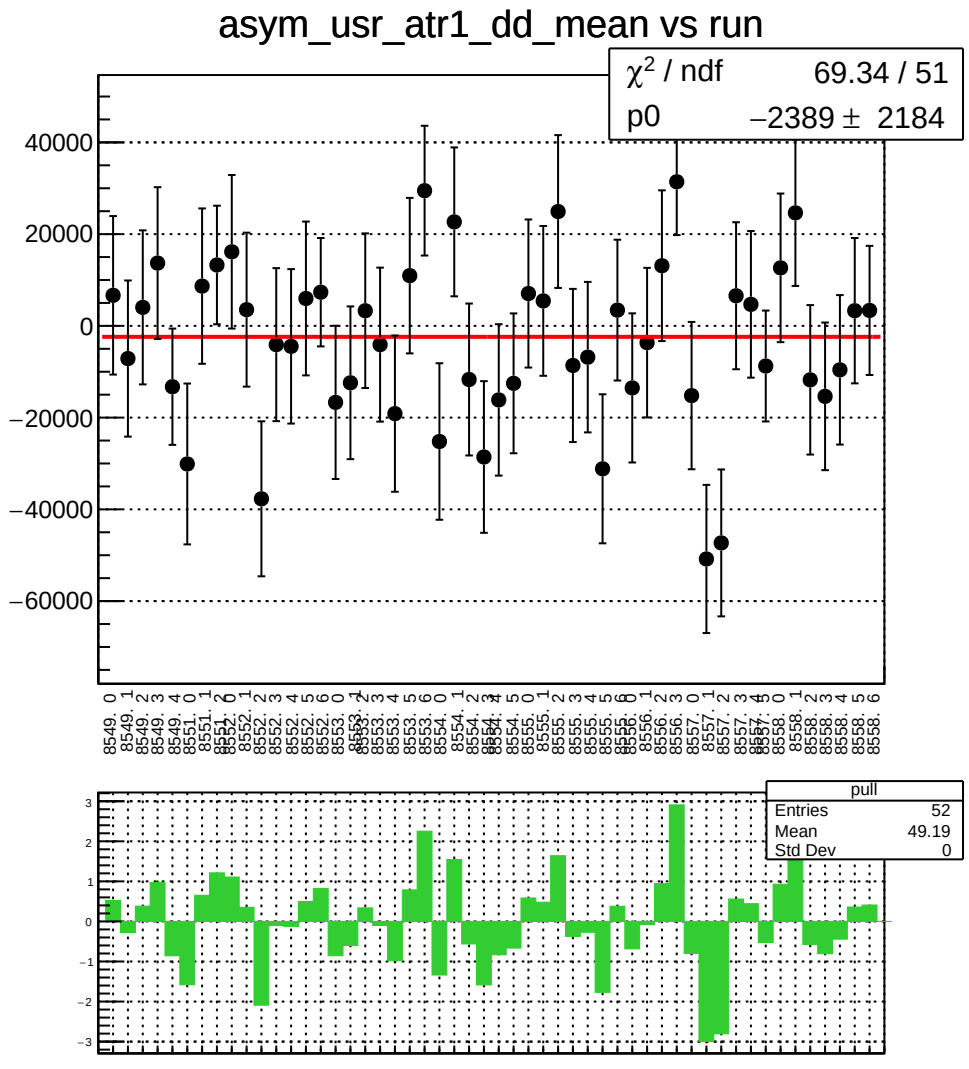
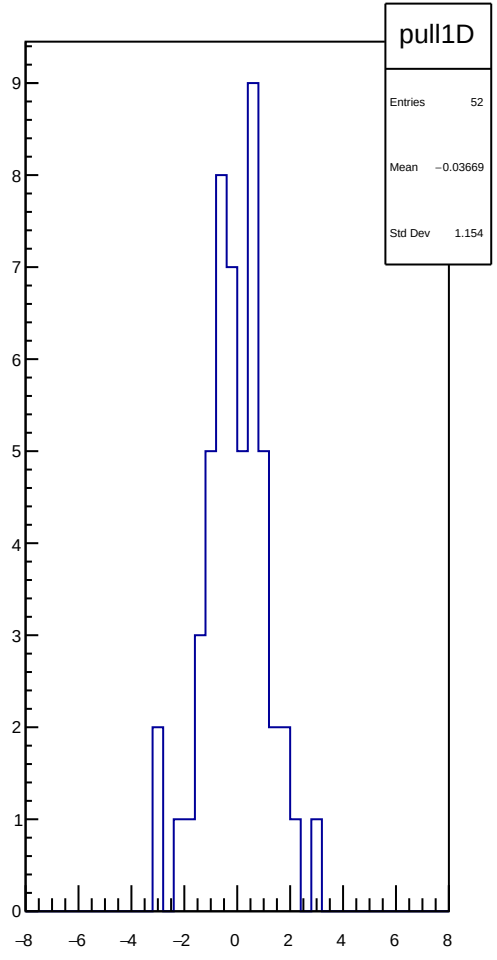
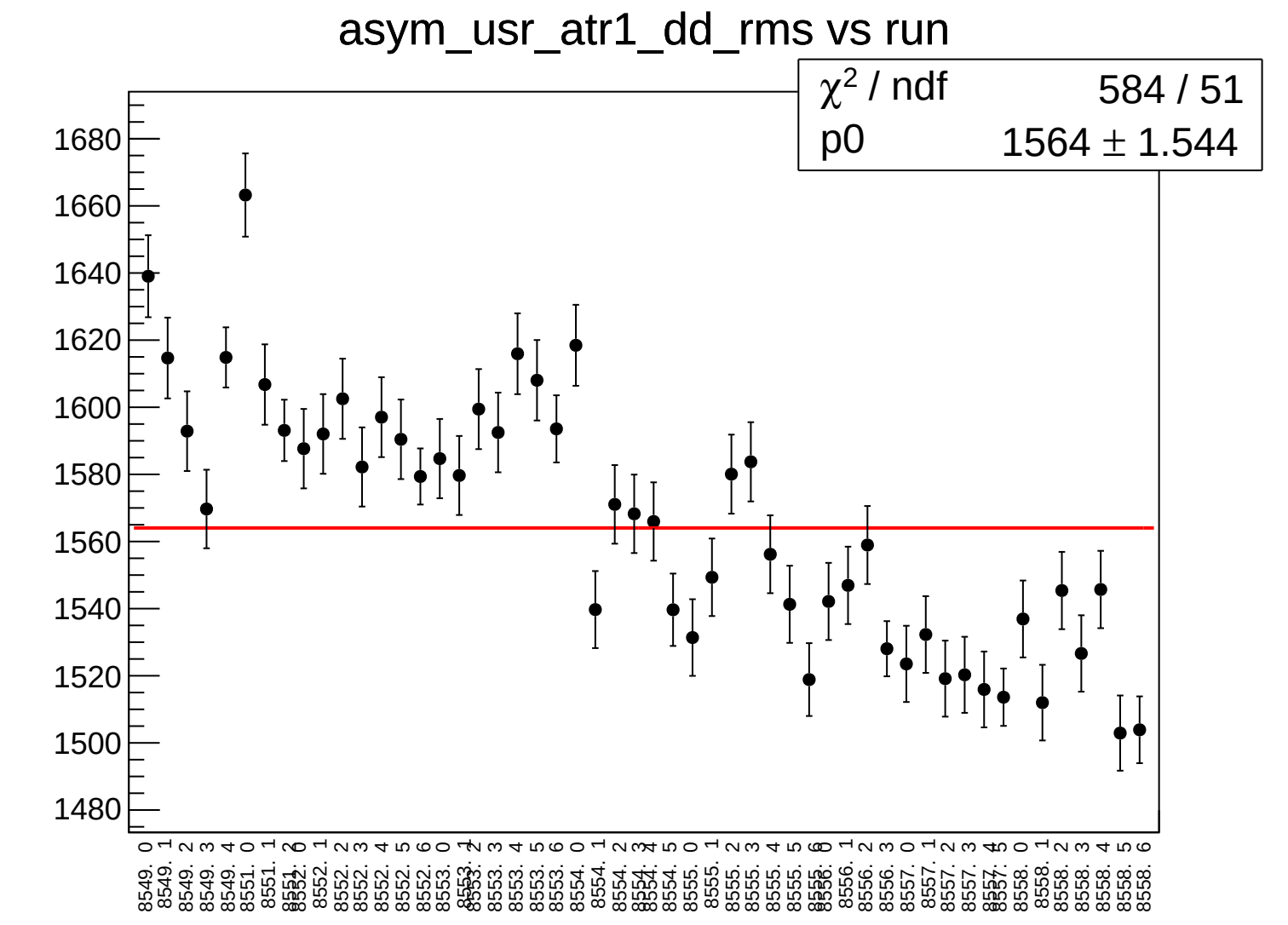
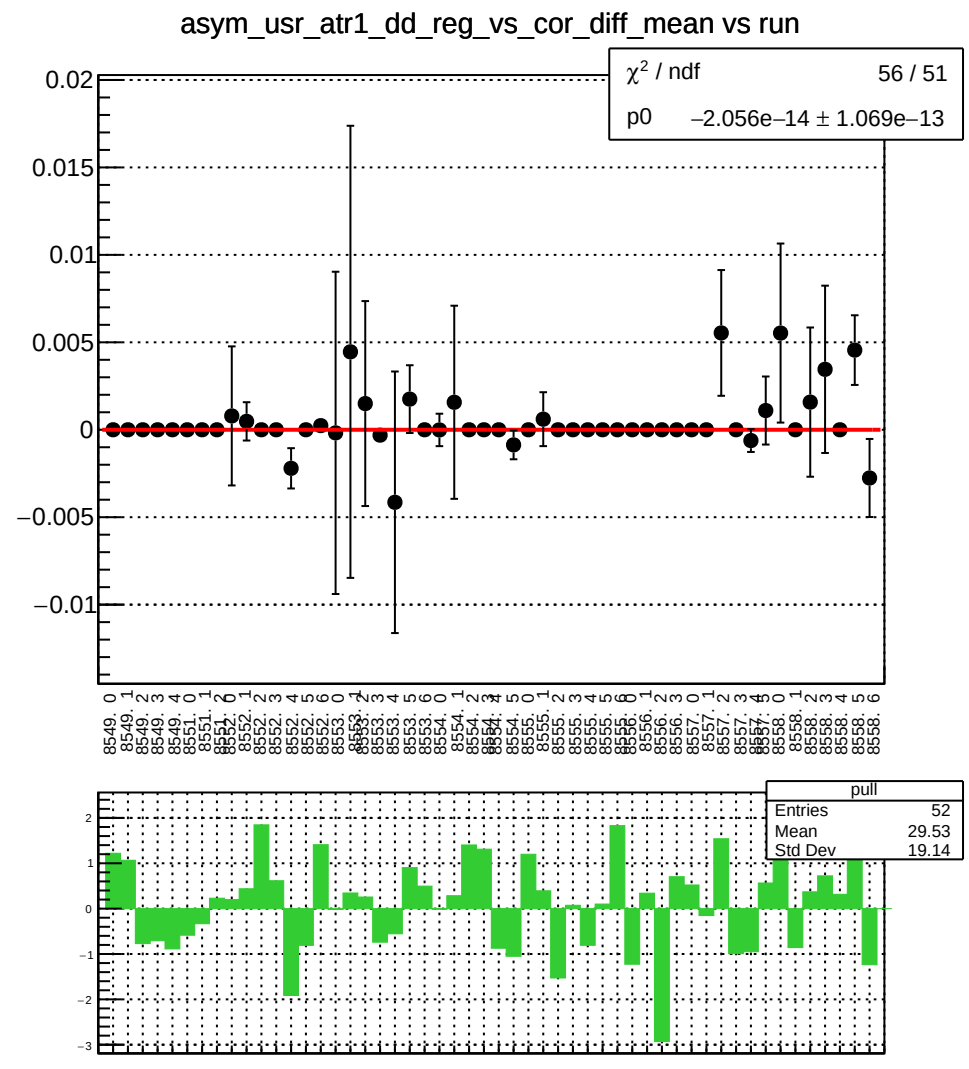
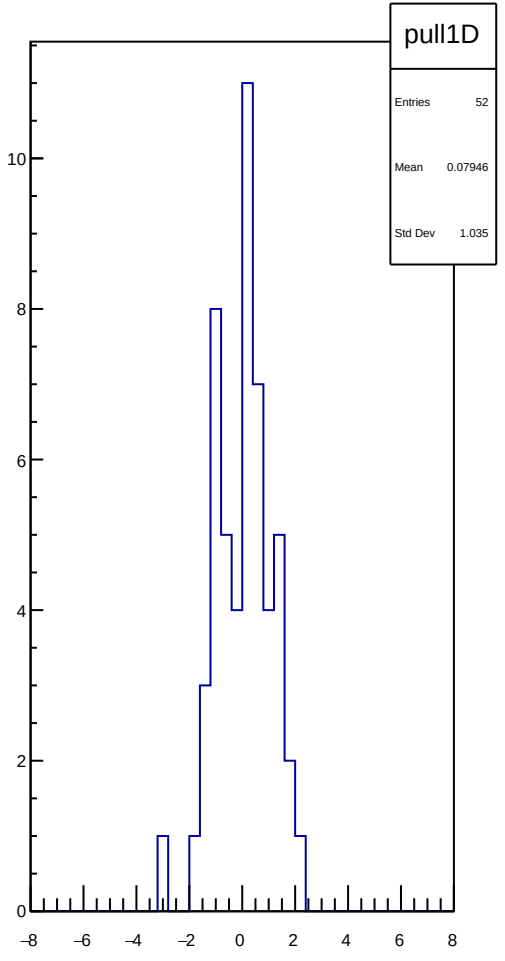
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 5
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

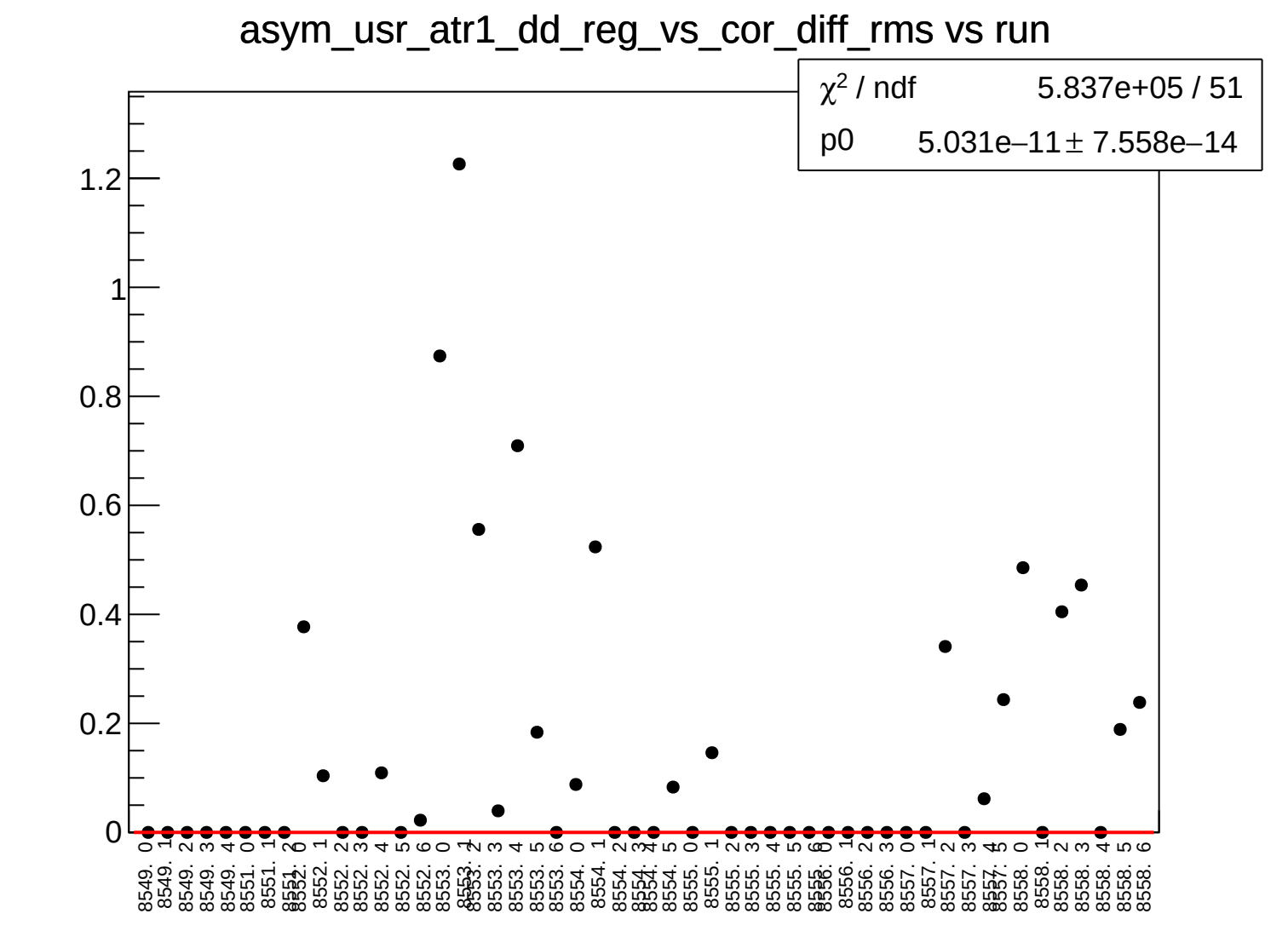

asym_usr_atr1_dd_mean vs run
χ² / ndf 69.34 / 51
p0 −2389 ± 2184
40000
20000
0
−20000
−40000
−60000
pull
Entries 52
Mean 49.19
Std Dev 0
3
2
1
0
−1
−2
−3


pull1D
Entries 52
Mean −0.03669
Std Dev 1.154
9
8
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 584 / 51
p0 1564 ± 1.544
1680
1660
1640
1620
1600
1580
1560
1540
1520
1500
1480
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6


asym_usr_atr1_dd_reg_vs_cor_diff_mean vs run
χ² / ndf 56 / 51
p0 −2.056e−14 ± 1.069e−13
pull
Entries 52
Mean 29.53
Std Dev 19.14


pull1D
Entries 52
Mean 0.07946
Std Dev 1.035


asym_usr_atr1_dd_reg_vs_cor_diff_rms vs run
χ² / ndf 5.837e+05 / 51
p0 5.031e−11 ± 7.558e−14
1.2
1
0.8
0.6
0.4
0.2
0
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8549. 5
8551. 0
8551. 1
8551. 2
8552. 0
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 1
8553. 2
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 3
8554. 4
8554. 5
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8555. 6
8556. 0
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
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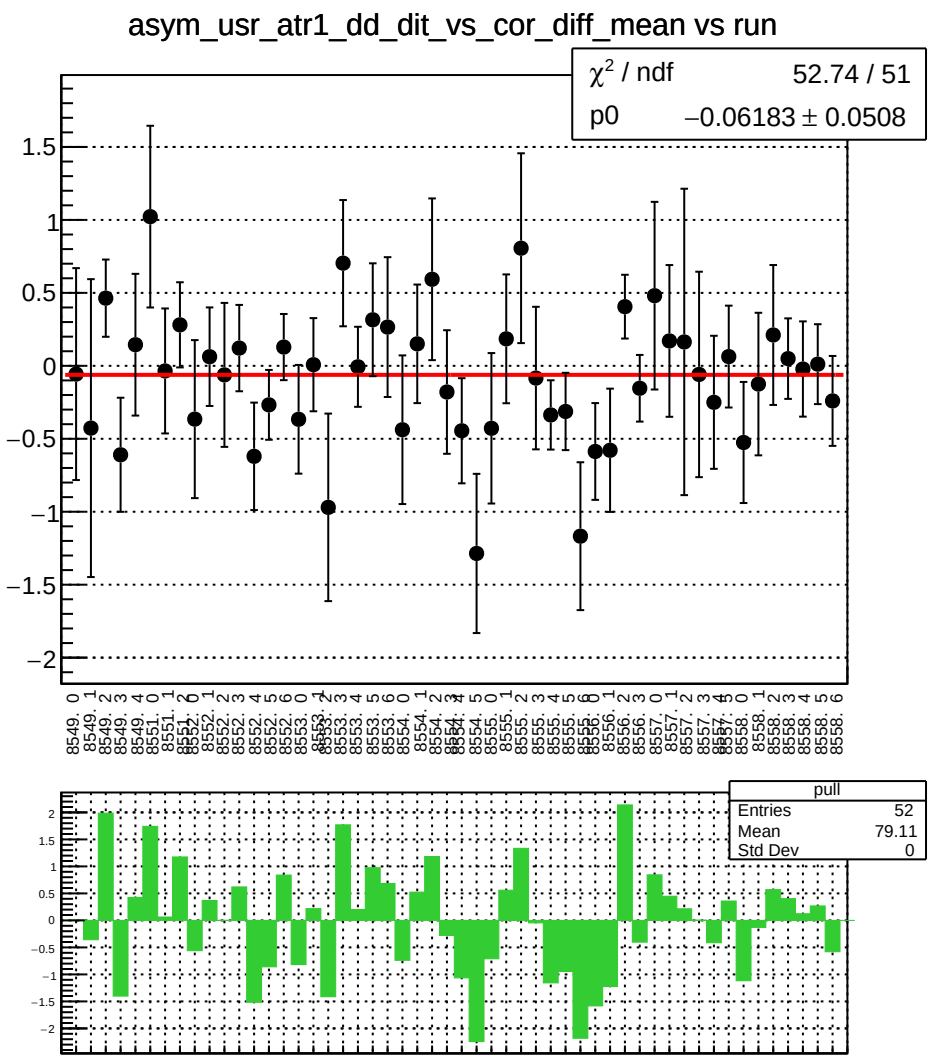
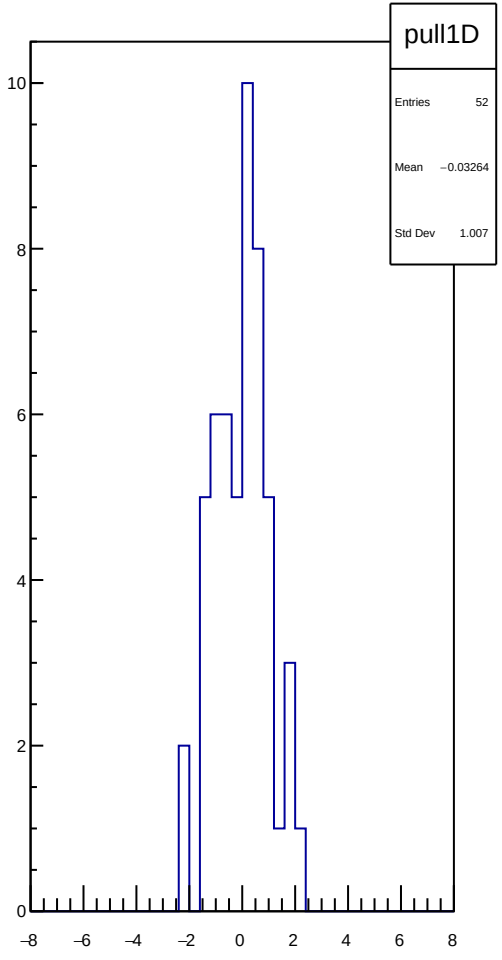
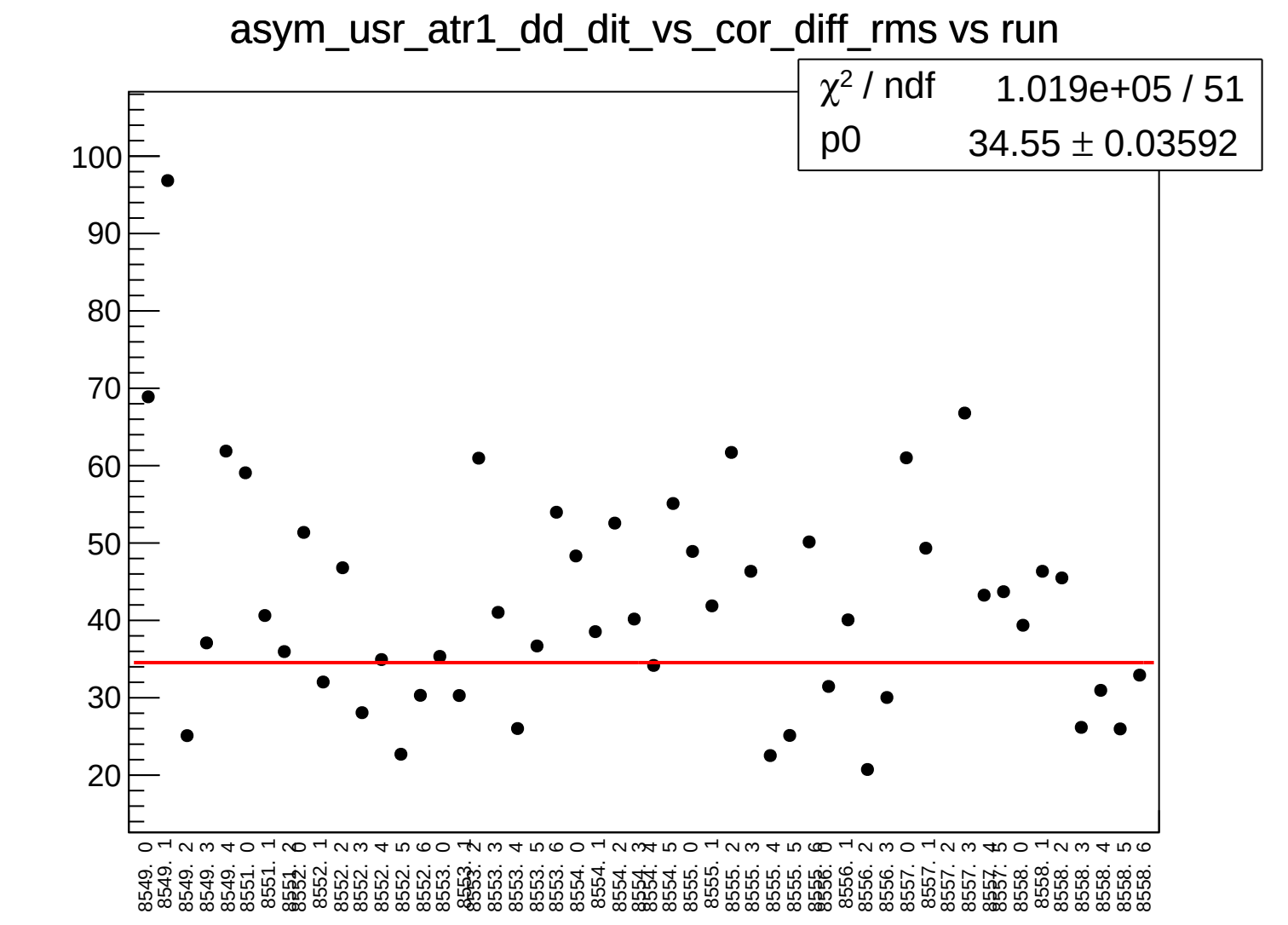
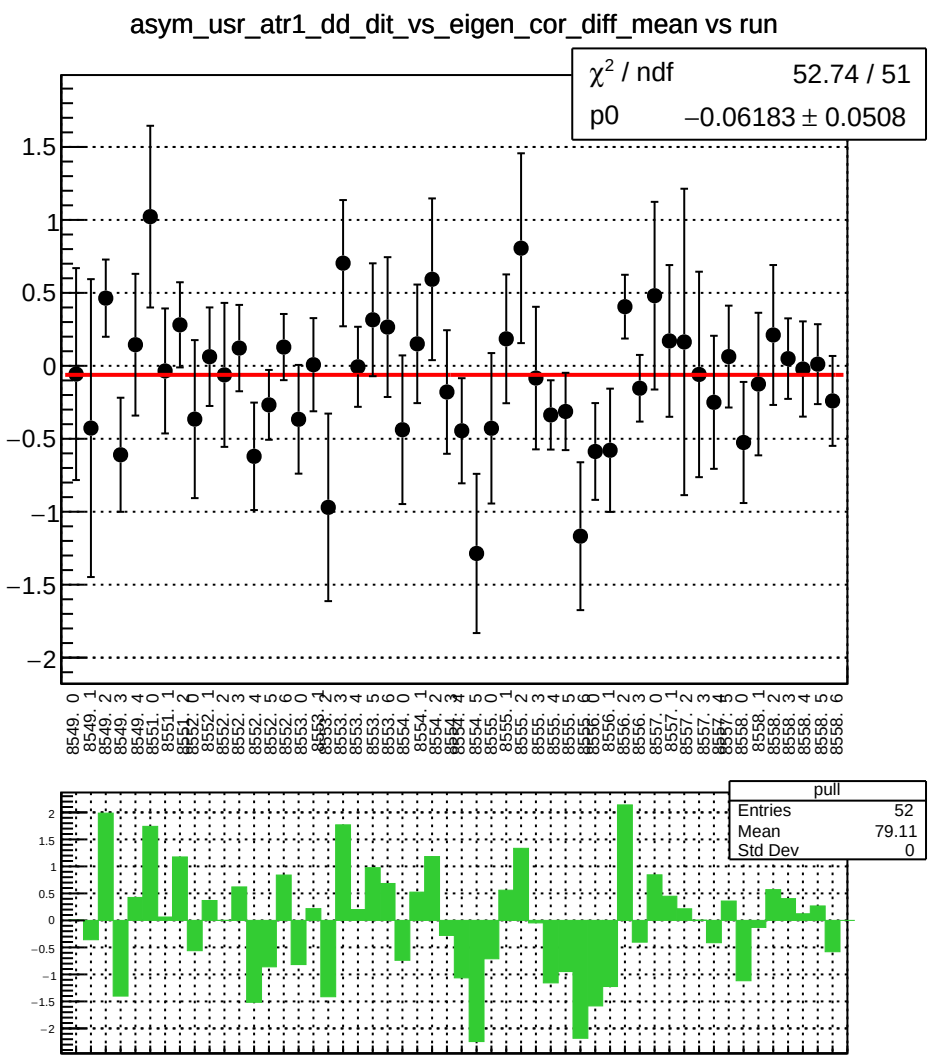
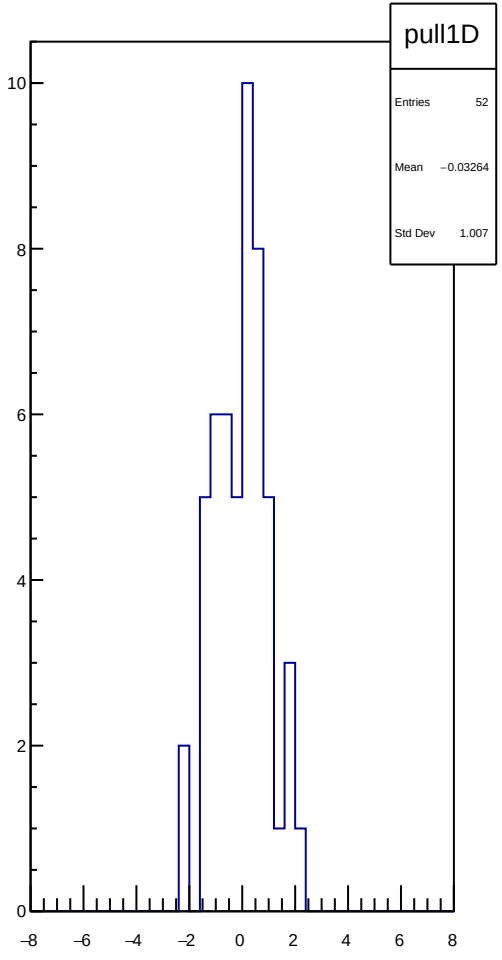
8557. 5
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

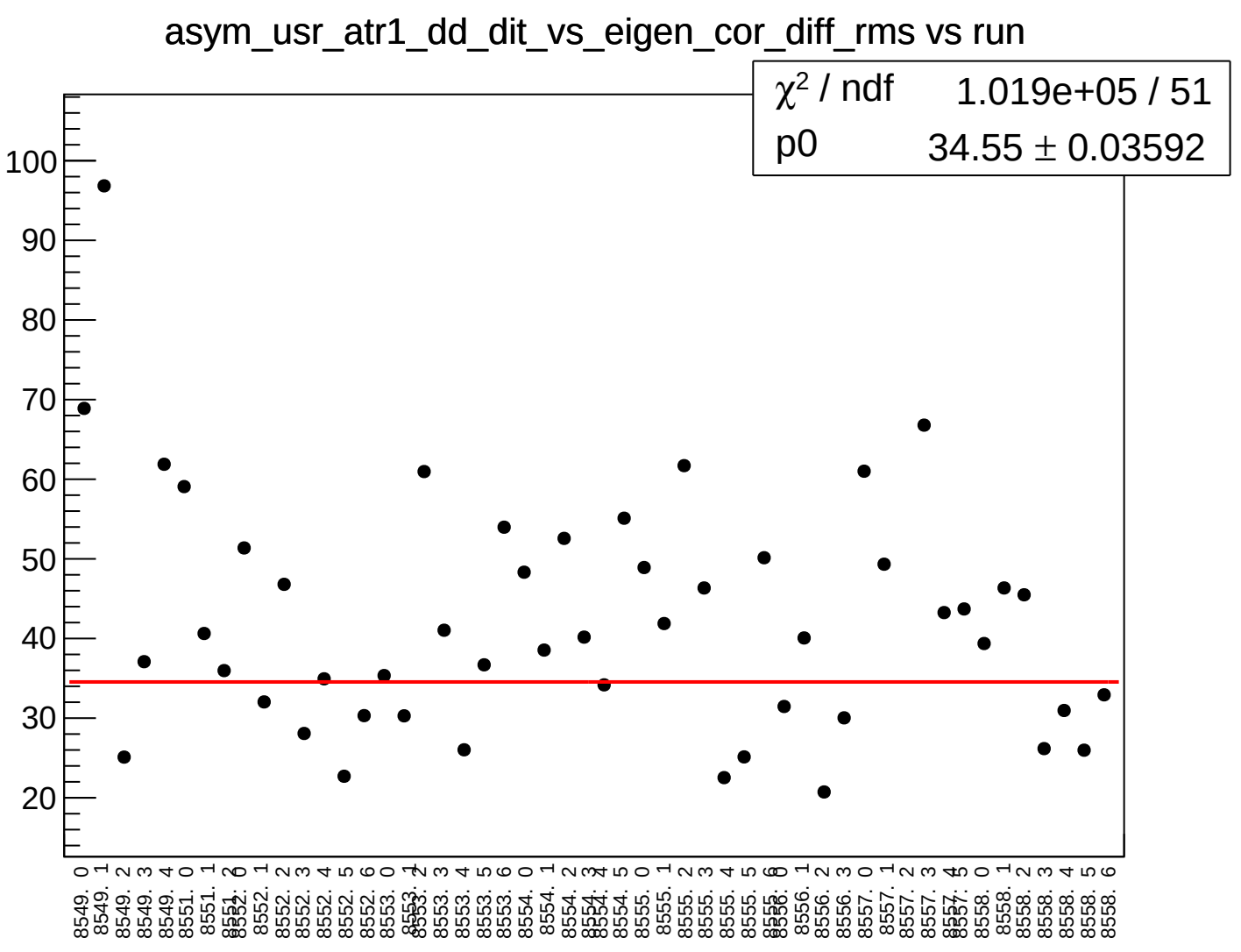

asym_usr_atr1_dd_dit_vs_cor_diff_mean vs run
χ² / ndf 52.74 / 51
p0 −0.06183 ± 0.0508
pull
Entries 52
Mean 79.11
Std Dev 0


pull1D
Entries 52
Mean −0.03264
Std Dev 1.007


asym_usr_atr1_dd_dit_vs_cor_diff_rms vs run
χ² / ndf 1.019e+05 / 51
p0 34.55 ± 0.03592
100
90
80
70
60
50
40
30
20
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 5
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6


asym_usr_atr1_dd_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 52.74 / 51
p0 −0.06183 ± 0.0508
pull
Entries 52
Mean 79.11
Std Dev 0


pull1D
Entries 52
Mean −0.03264
Std Dev 1.007


asym_usr_atr1_dd_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.019e+05 / 51
p0 34.55 ± 0.03592
100
90
80
70
60
50
40
30
20
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
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8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
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8558. 0
8558. 1
8558. 2
8558. 3
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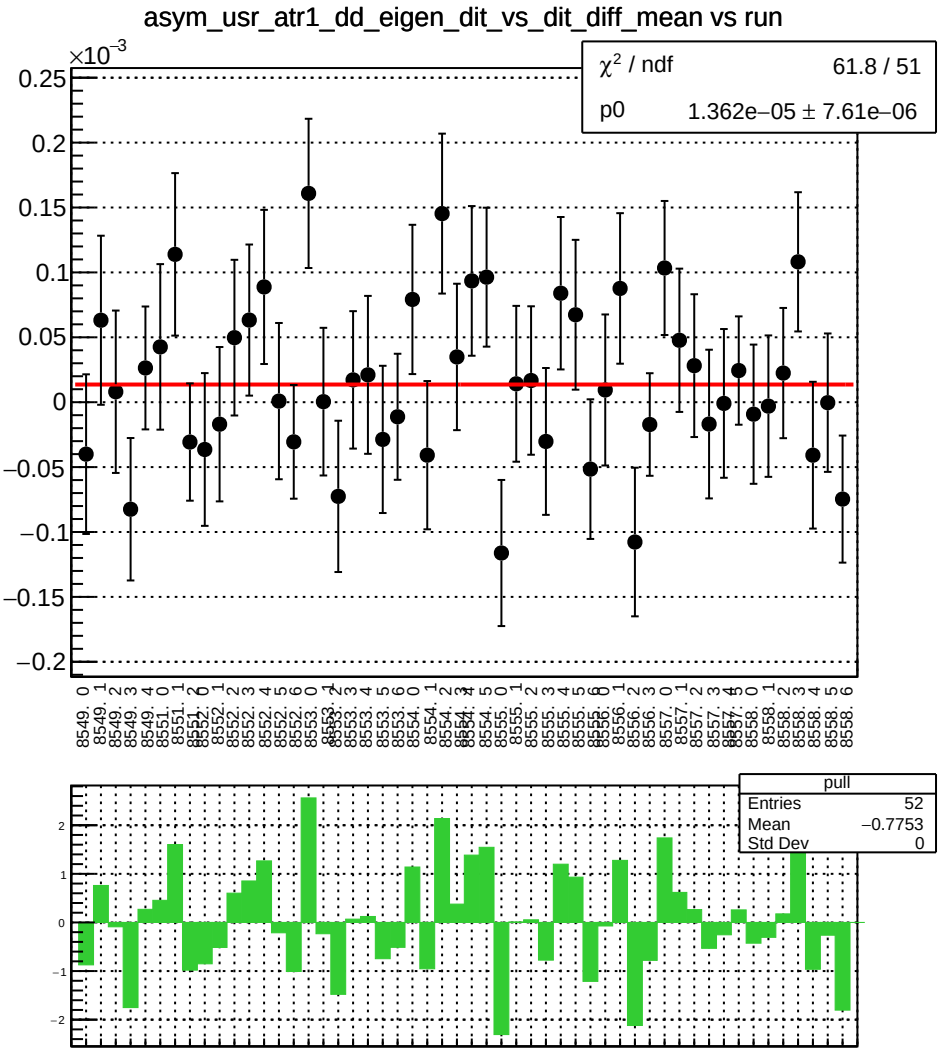
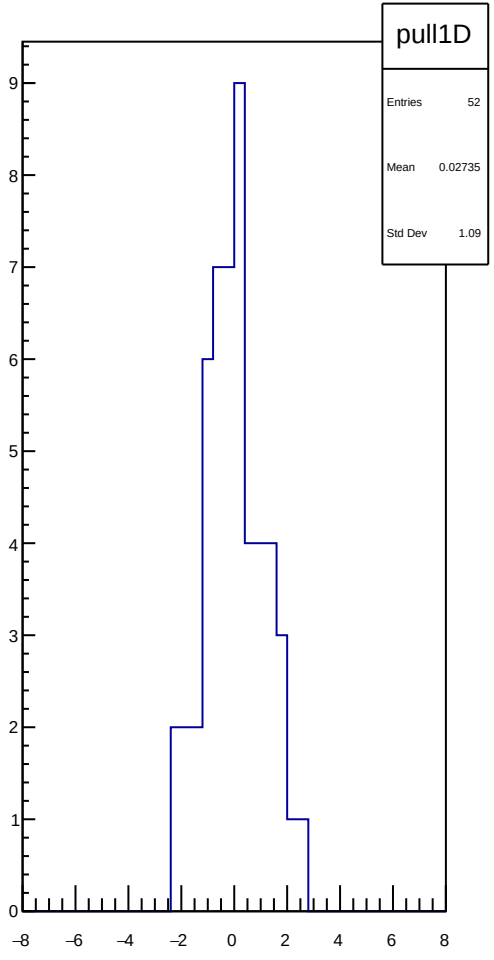
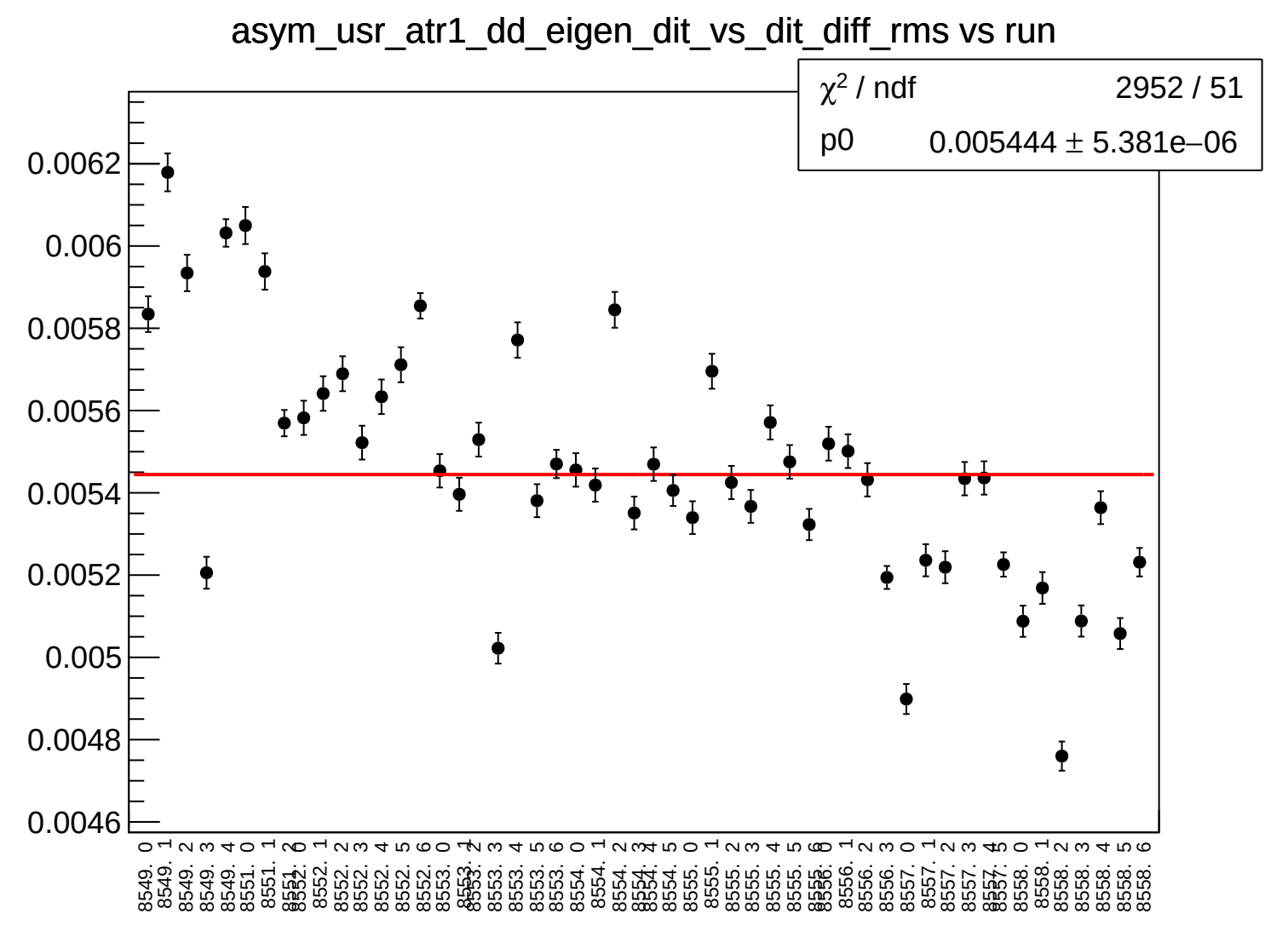
8558. 5
8558. 6


asym_usr_atr1_dd_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 61.8 / 51
p0 1.362e−05 ± 7.61e−06
pull
Entries 52
Mean −0.7753
Std Dev 0


pull1D
Entries 52
Mean 0.02735
Std Dev 1.09


asym_usr_atr1_dd_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 2952 / 51
p0 0.005444 ± 5.381e−06
0.0062
0.006
0.0058
0.0056
0.0054
0.0052
0.005
0.0048
0.0046
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
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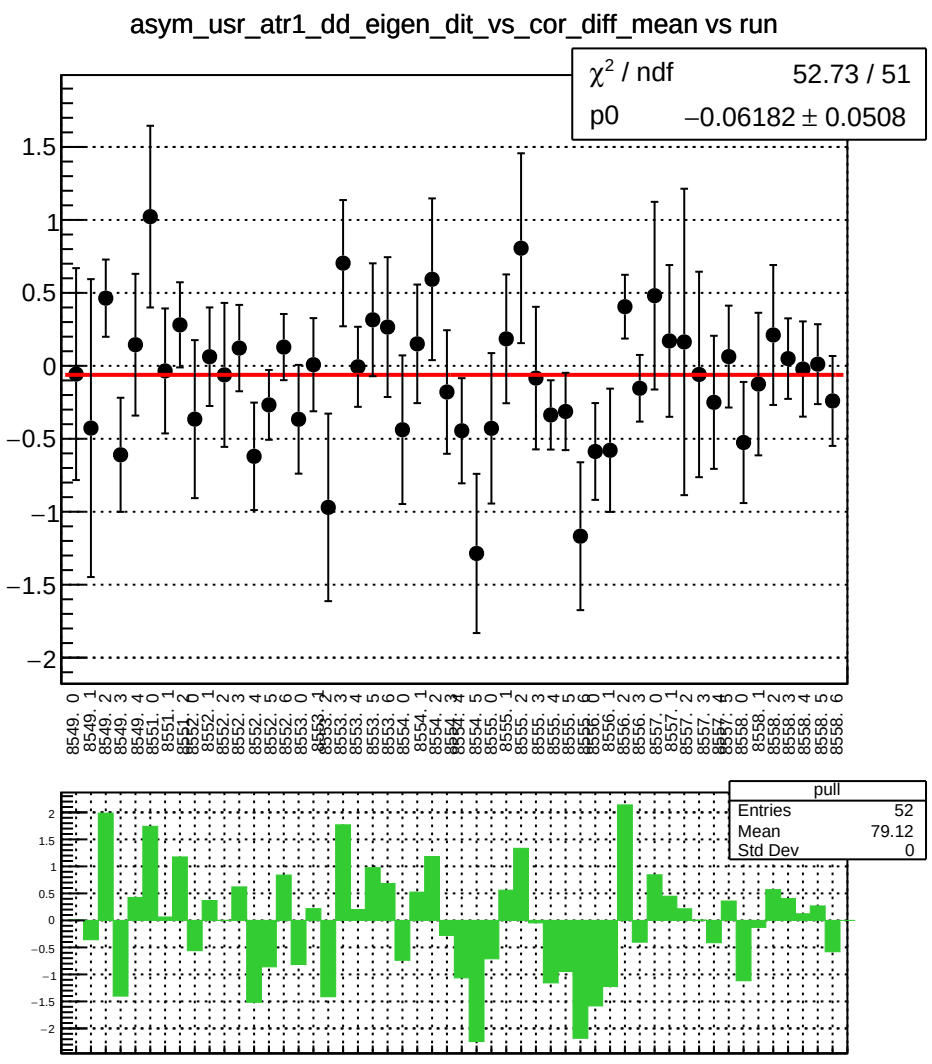
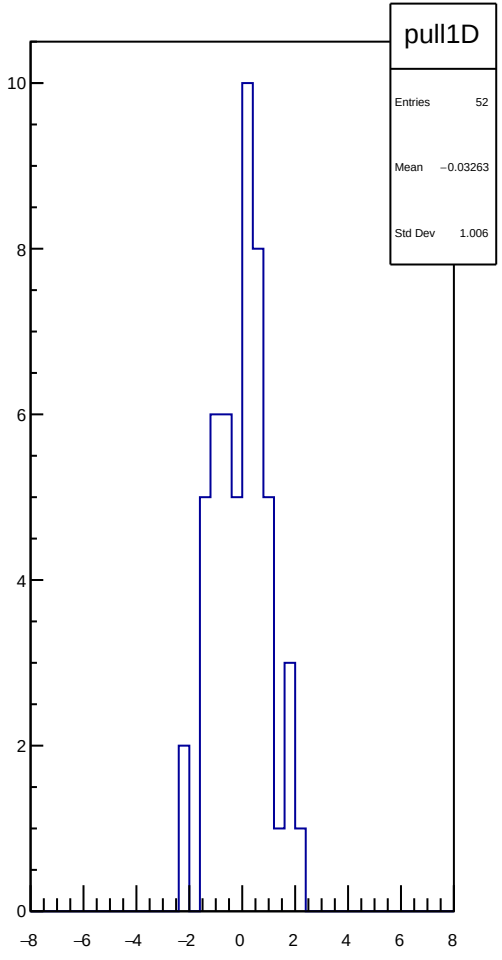
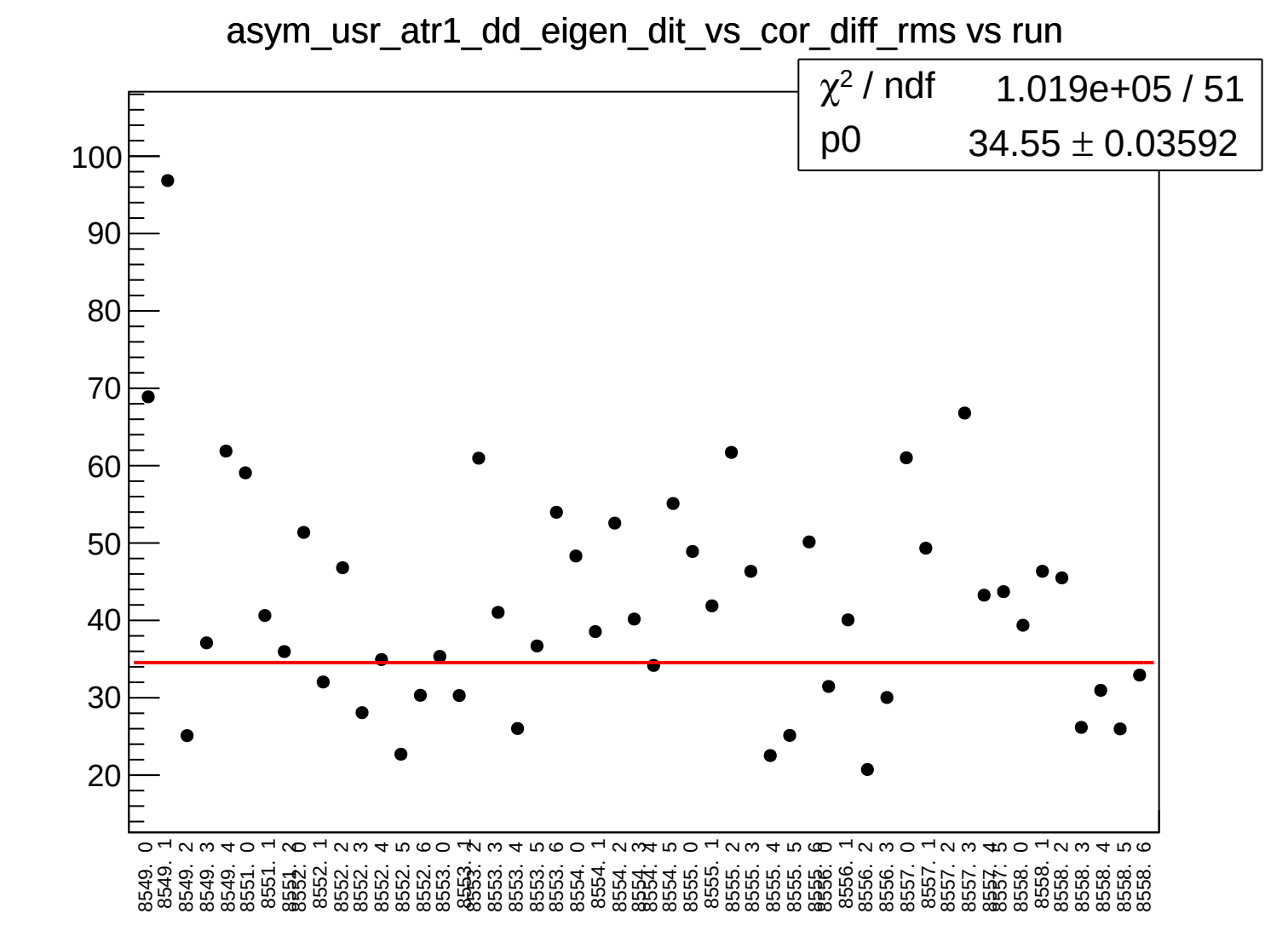
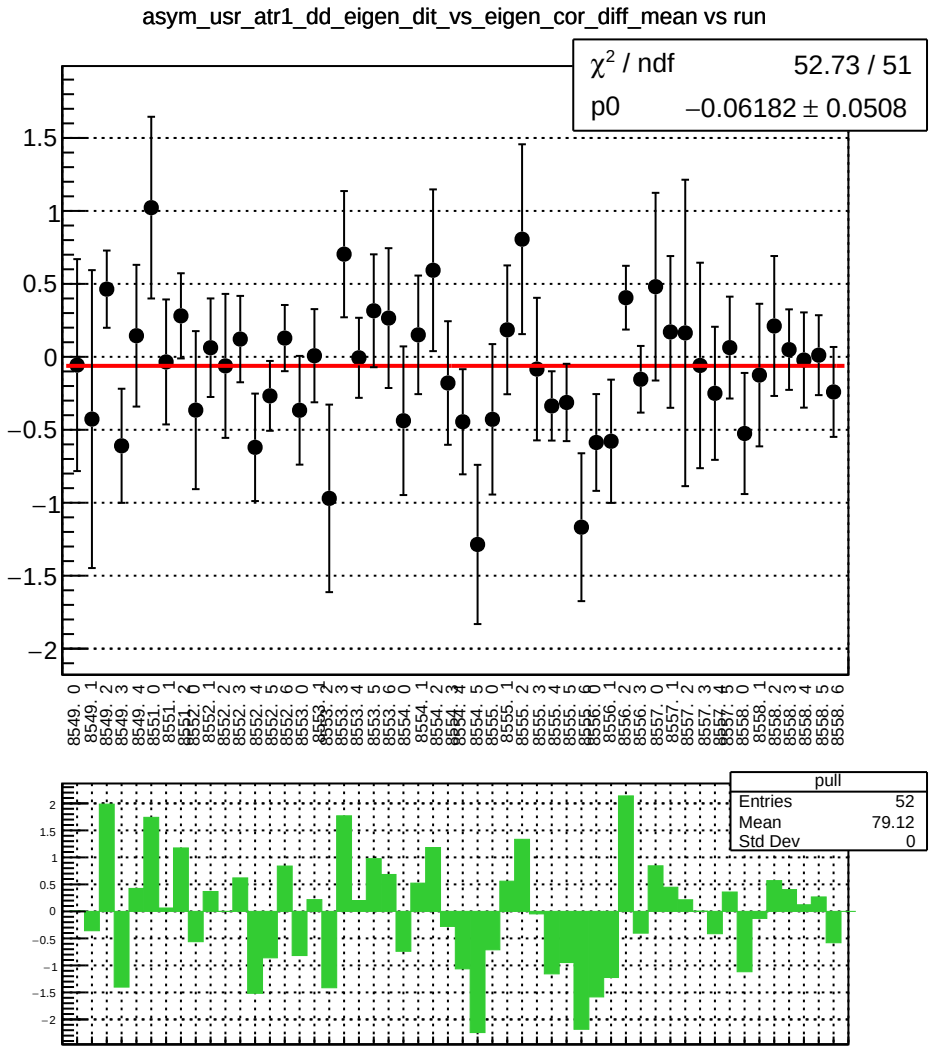
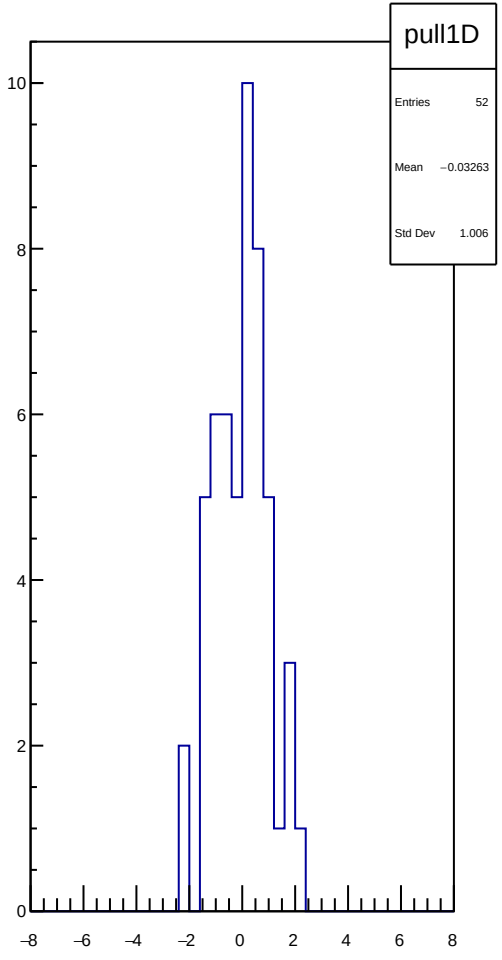
8558. 4
8558. 5
8558. 6

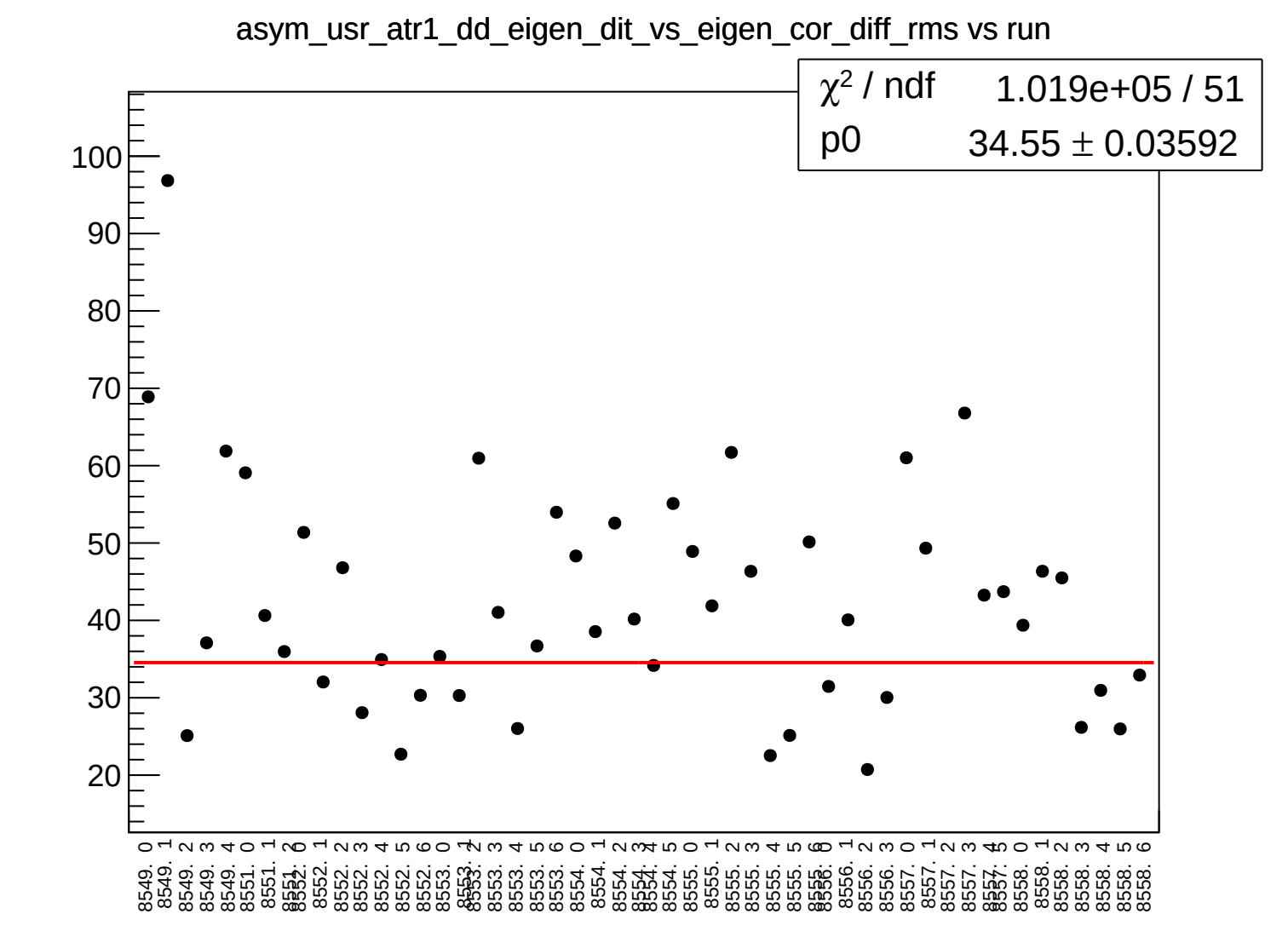

asym_usr_atr1_dd_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 52.73 / 51
p0 −0.06182 ± 0.0508
pull
Entries 52
Mean 79.12
Std Dev 0

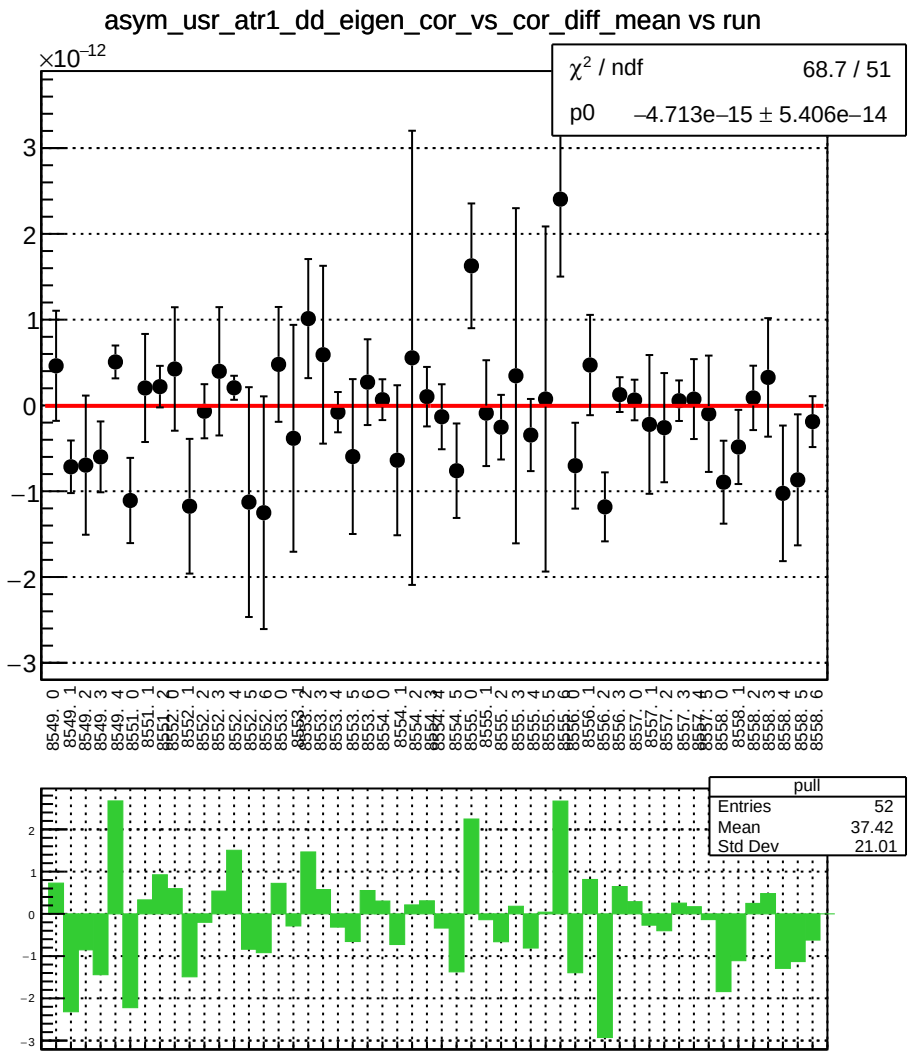

pull1D
Entries 52
Mean −0.03263
Std Dev 1.006

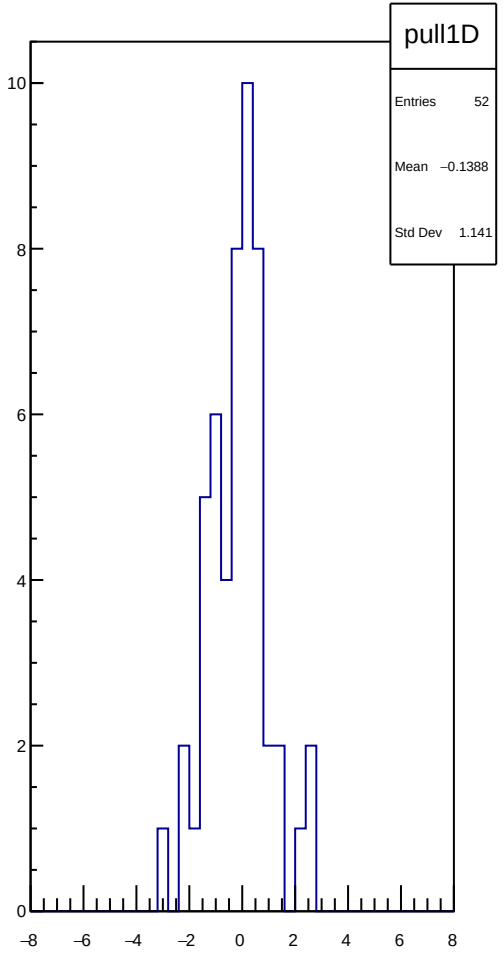

asym_usr_atr1_dd_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 1.019e+05 / 51
p0 34.55 ± 0.03592
100
90
80
70
60
50
40
30
20
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 5
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

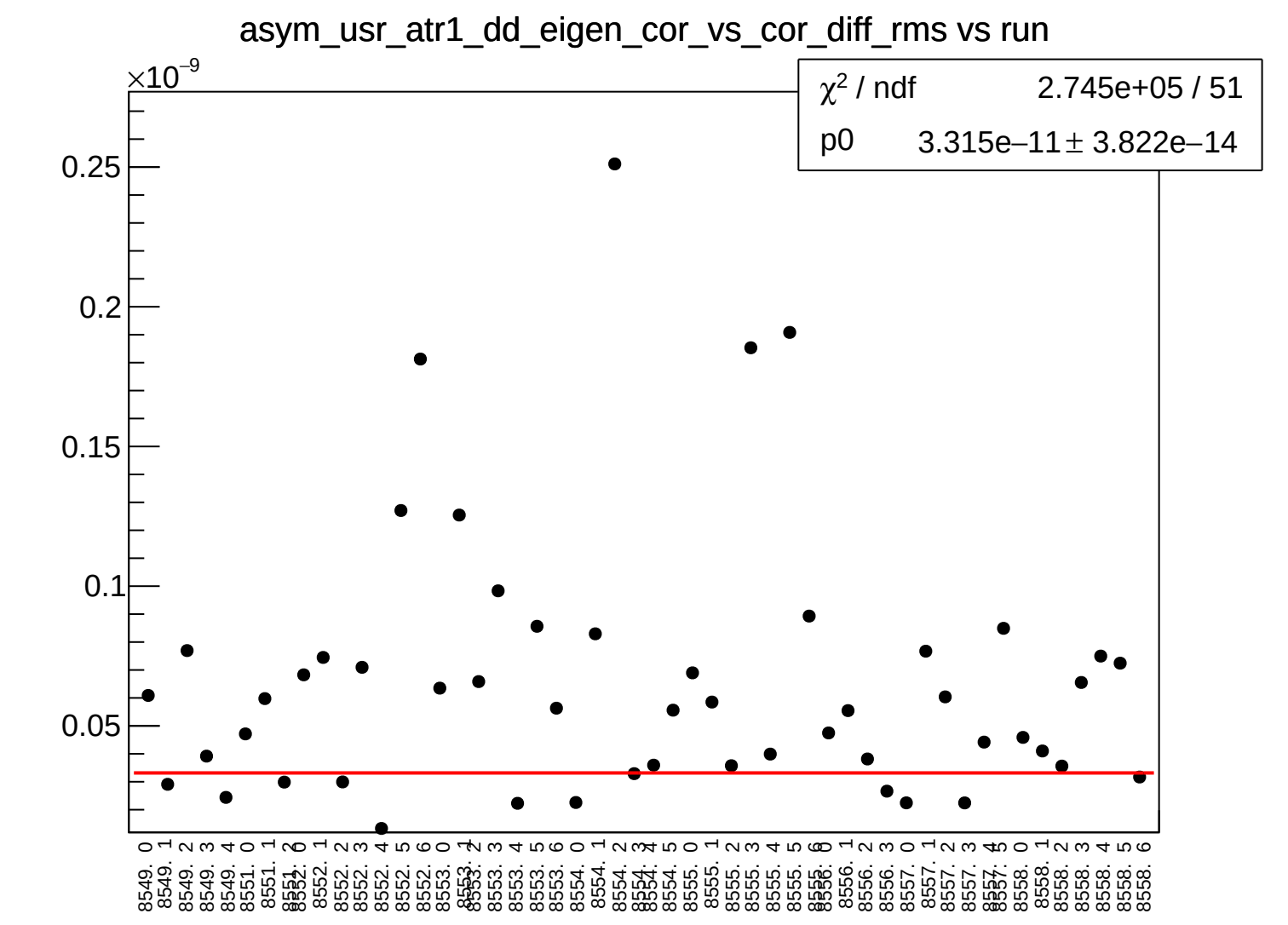

asym_usr_atr1_dd_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 52.73 / 51
p0 −0.06182 ± 0.0508
pull
Entries 52
Mean 79.12
Std Dev 0

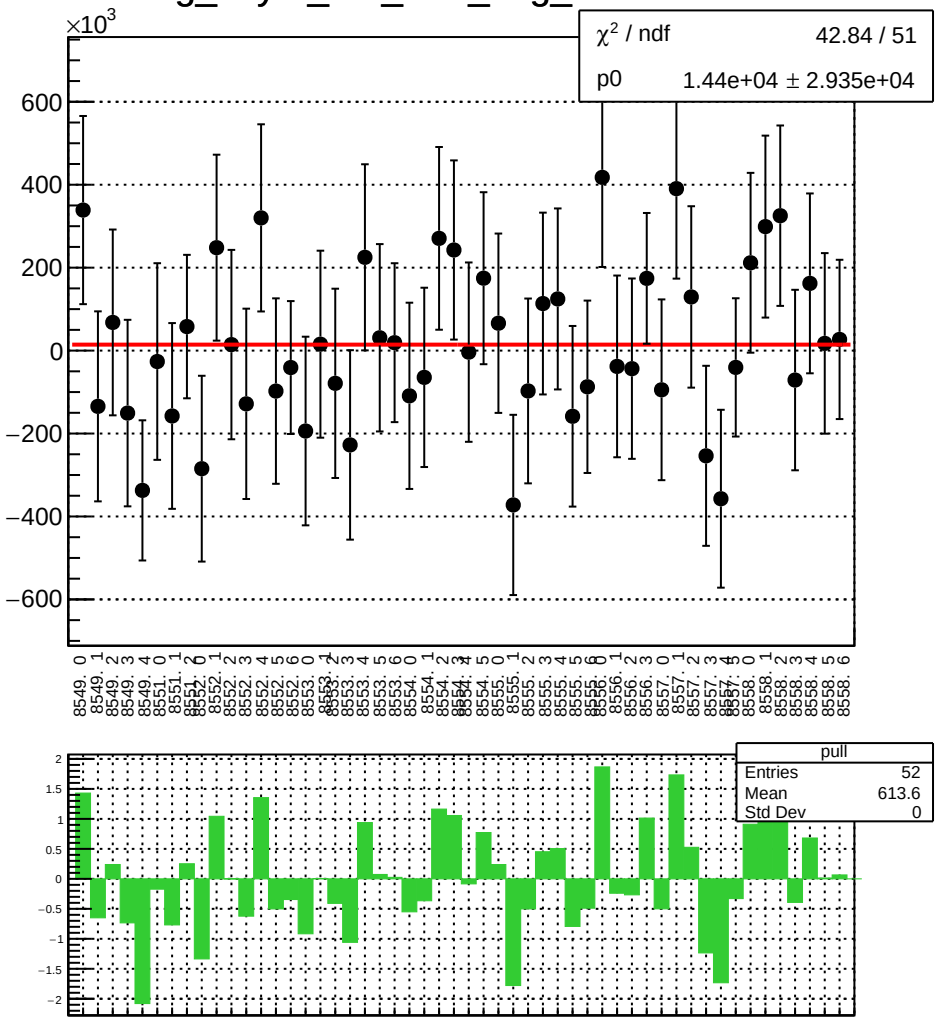

pull1D
Entries 52
Mean −0.03263
Std Dev 1.006

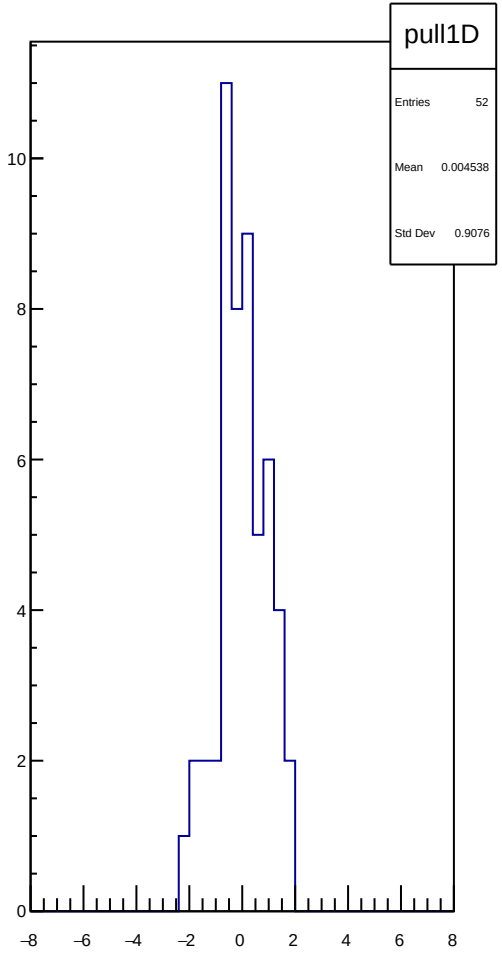

asym_usr_atr1_dd_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.019e+05 / 51
p0 34.55 ± 0.03592
100
90
80
70
60
50
40
30
20
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 2
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 5
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

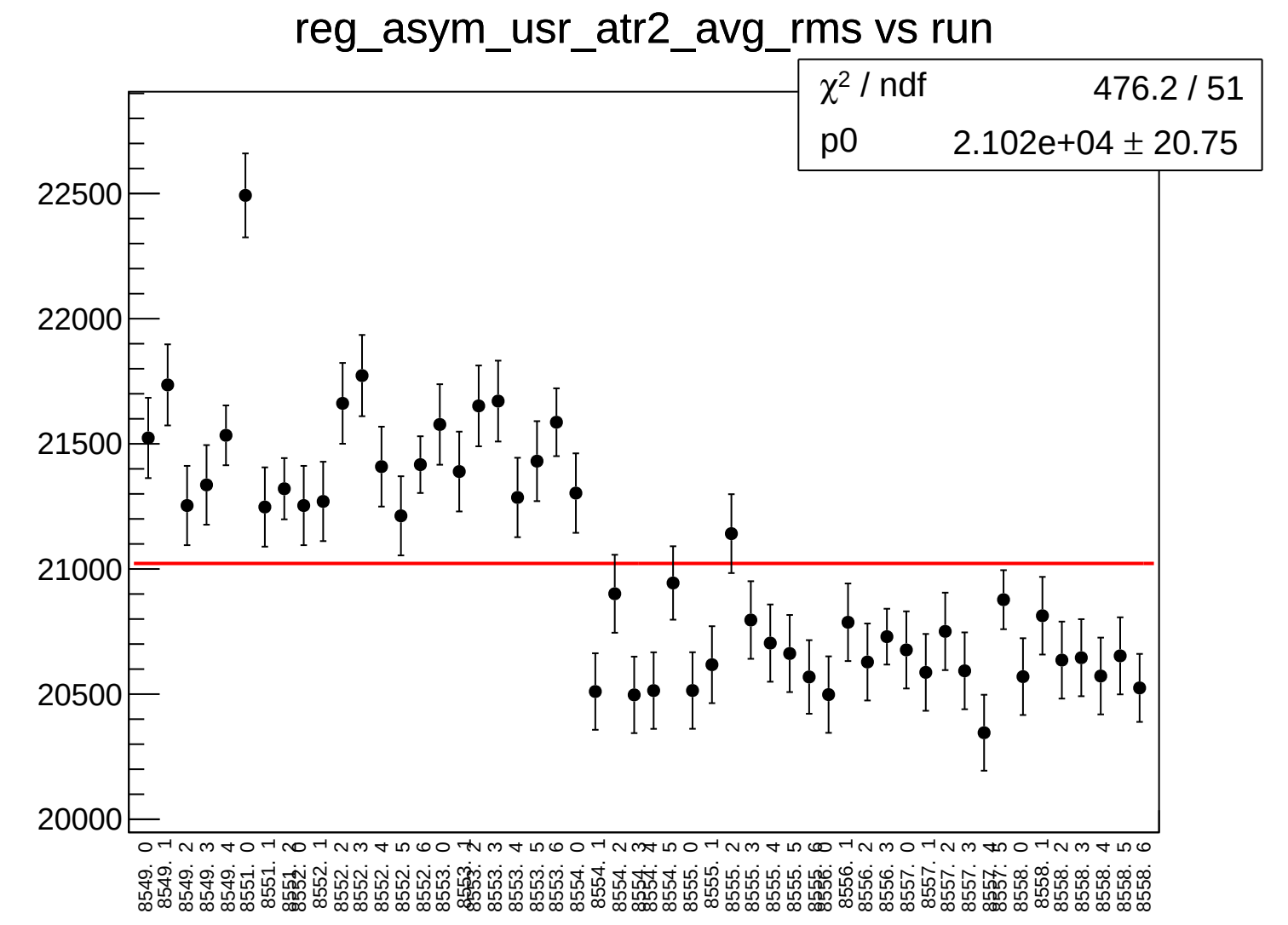

asym_usr_atr1_dd_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 68.7 / 51
p0 −4.713e−15 ± 5.406e−14
pull
Entries 52
Mean 37.42
Std Dev 21.01


pull1D
Entries 52
Mean −0.1388
Std Dev 1.141


asym_usr_atr1_dd_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 2.745e+05 / 51
p0 3.315e−11 ± 3.822e−14
0.25
0.2
0.15
0.1
0.05
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 0
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 2
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 5
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8557. 5
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6


reg_asym_usr_atr2_avg_mean vs run
×10^3
χ² / ndf 42.84 / 51
p0 1.44e+04 ± 2.935e+04
pull
Entries 52
Mean 613.6
Std Dev 0


pull1D
Entries 52
Mean 0.004538
Std Dev 0.9076


reg_asym_usr_atr2_avg_rms vs run
χ² / ndf 476.2 / 51
p0 2.102e+04 ± 20.75
22500
22000
21500
21000
20500
20000
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
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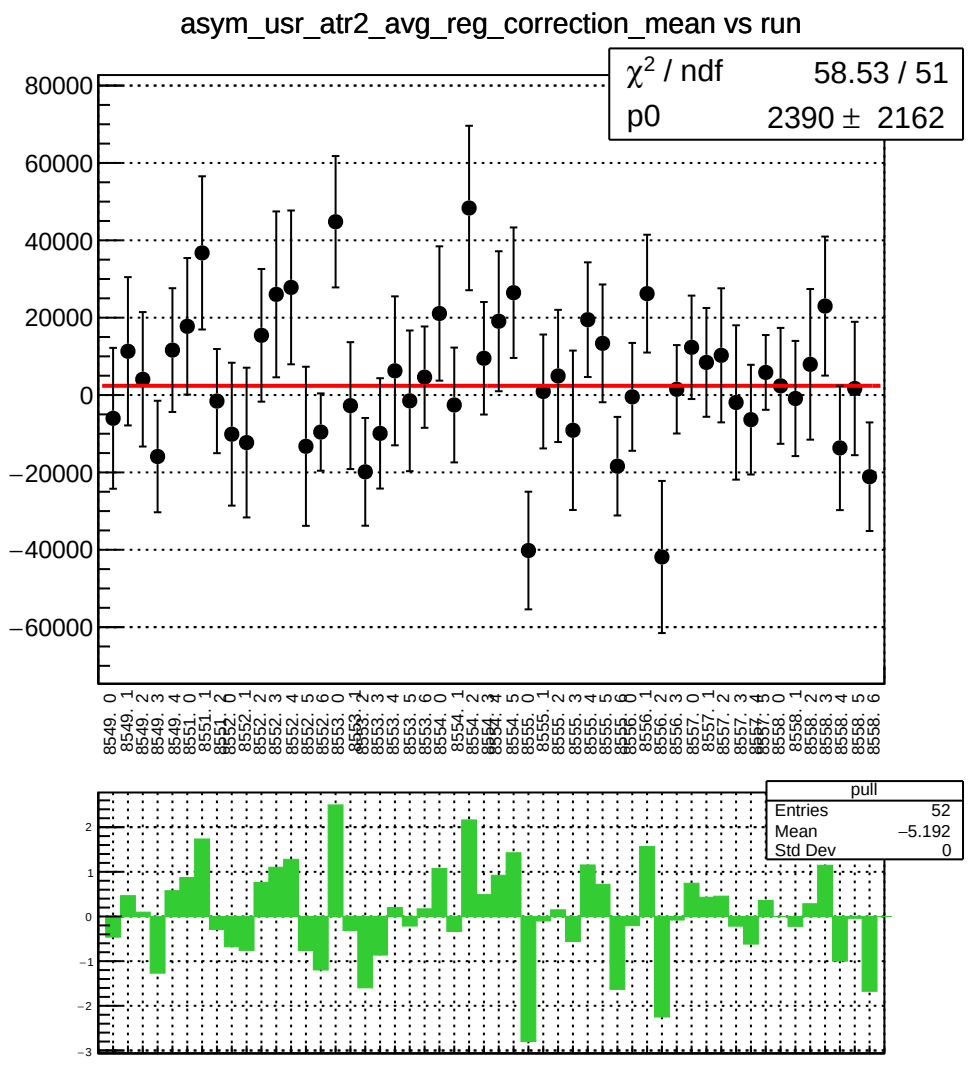
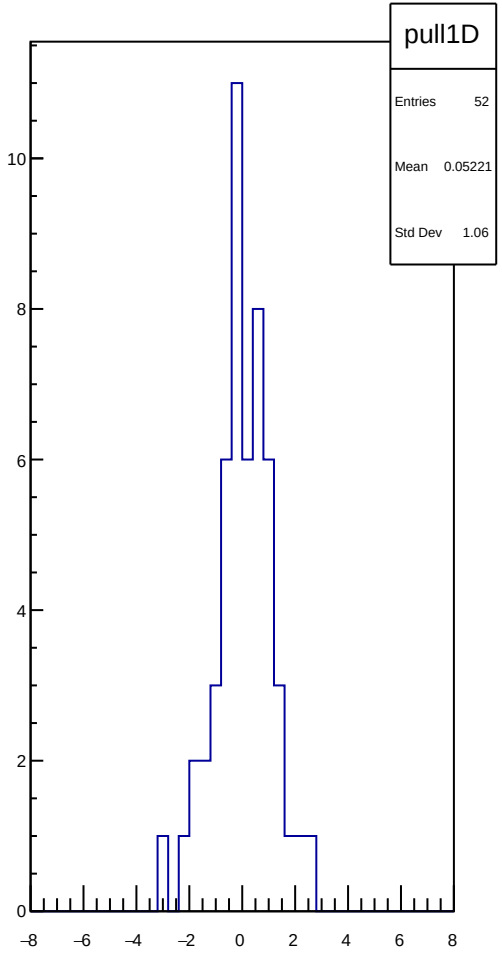
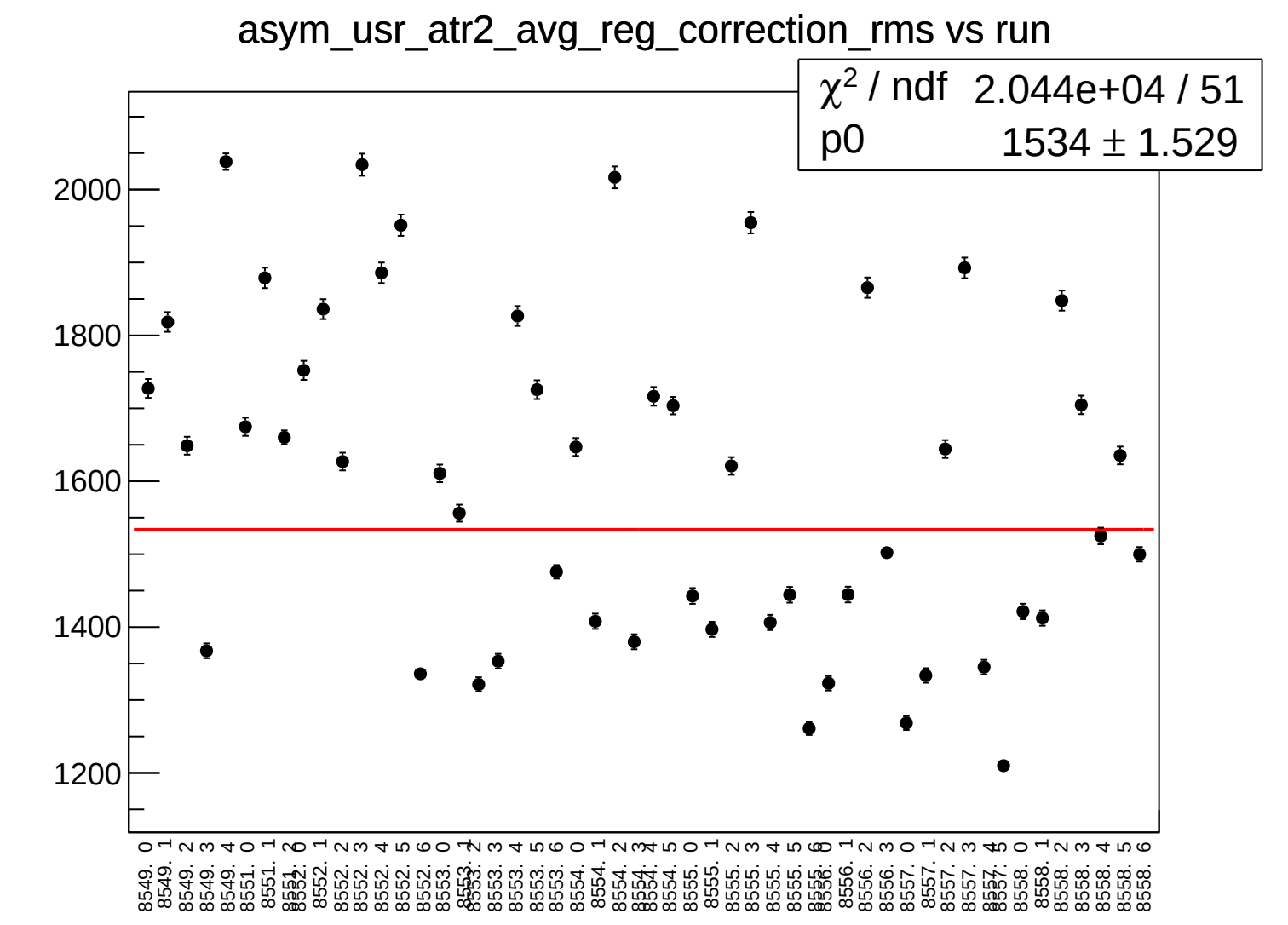
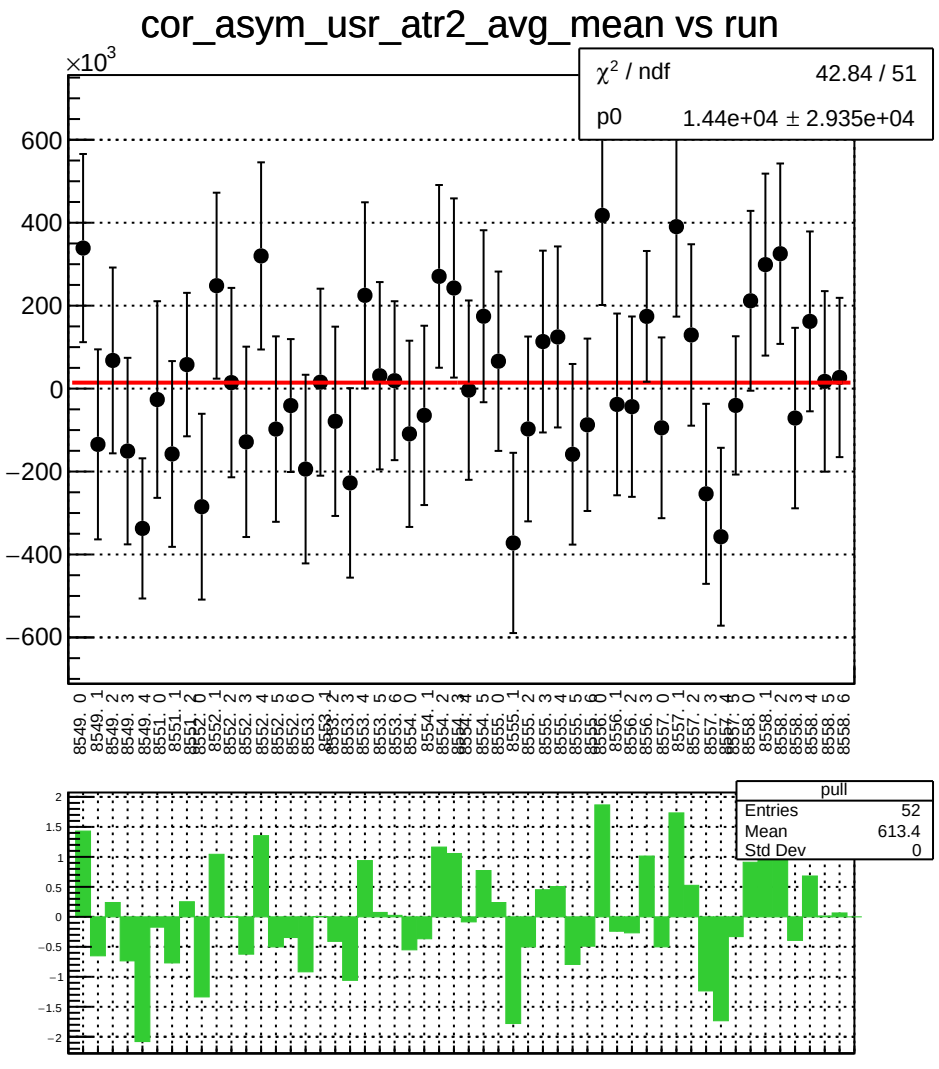
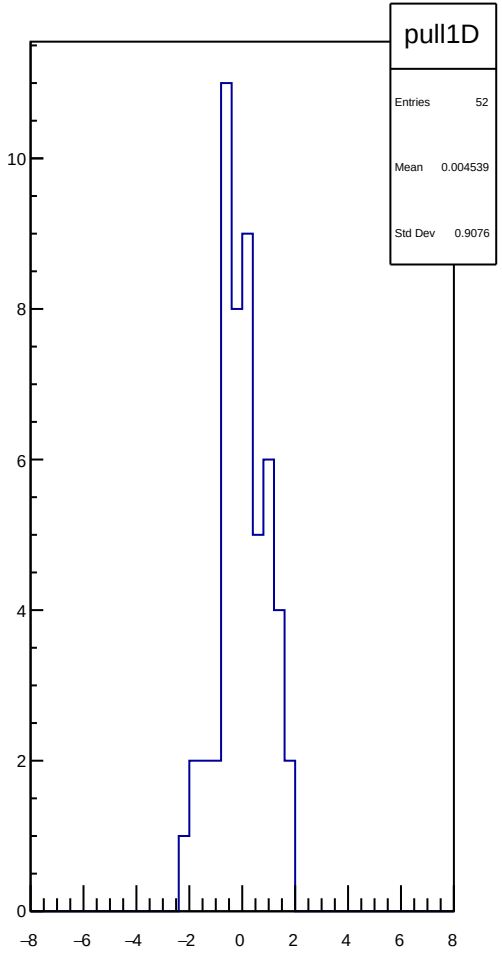
8558. 3
8558. 4
8558. 5
8558. 6

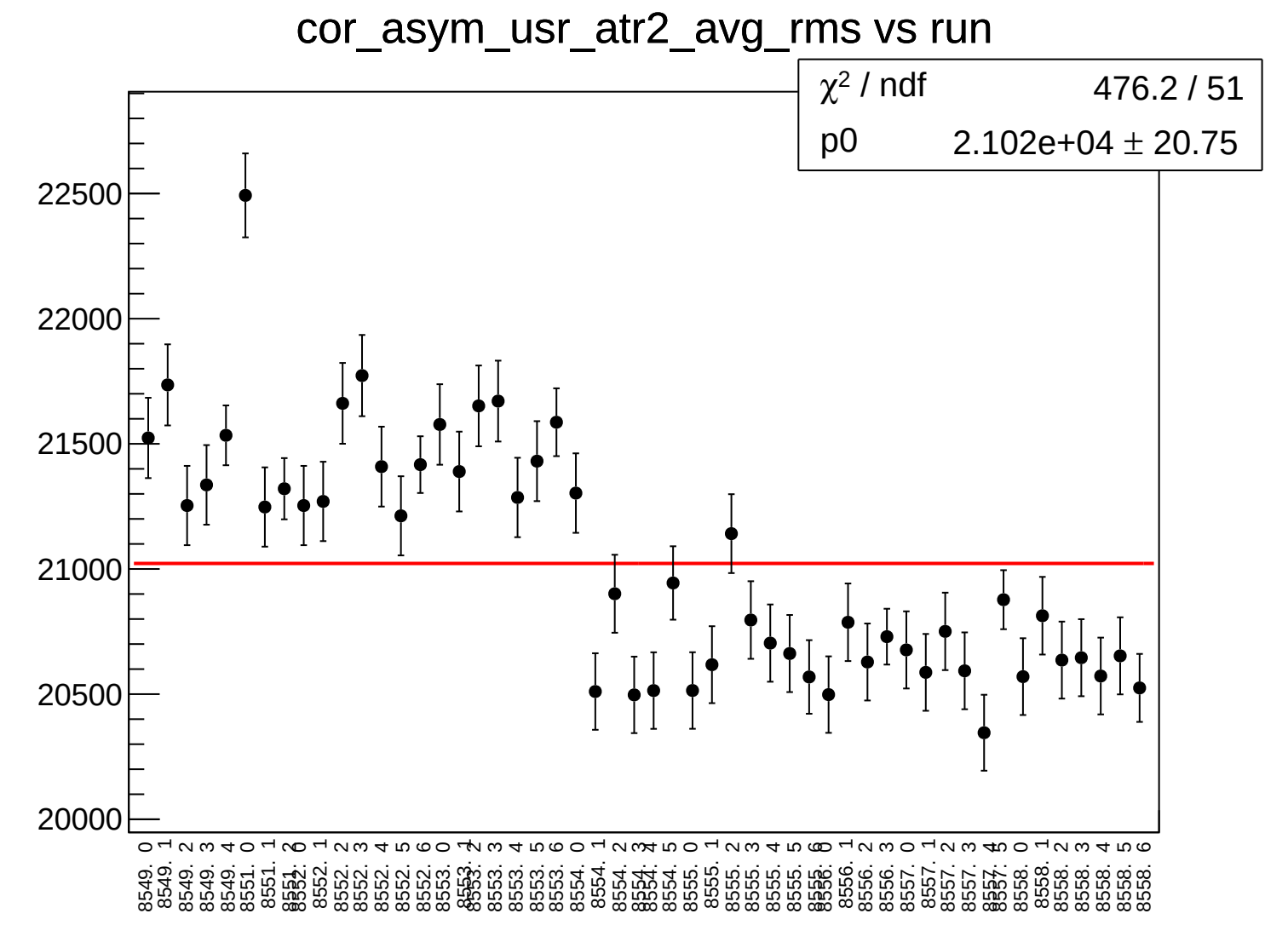

asym_usr_atr2_avg_reg_correction_mean vs run
χ² / ndf 58.53 / 51
p0 2390 ± 2162
pull
Entries 52
Mean −5.192
Std Dev 0


pull1D
Entries 52
Mean 0.05221
Std Dev 1.06


asym_usr_atr2_avg_reg_correction_rms vs run
χ² / ndf 2.044e+04 / 51
p0 1534 ± 1.529
2000
1800
1600
1400
1200
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 5
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6


cor_asym_usr_atr2_avg_mean vs run
×10^3
χ² / ndf 42.84 / 51
p0 1.44e+04 ± 2.935e+04
pull
Entries 52
Mean 613.4
Std Dev 0


pull1D
Entries 52
Mean 0.004539
Std Dev 0.9076


cor_asym_usr_atr2_avg_rms vs run
χ² / ndf 476.2 / 51
p0 2.102e+04 ± 20.75
22500
22000
21500
21000
20500
20000
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
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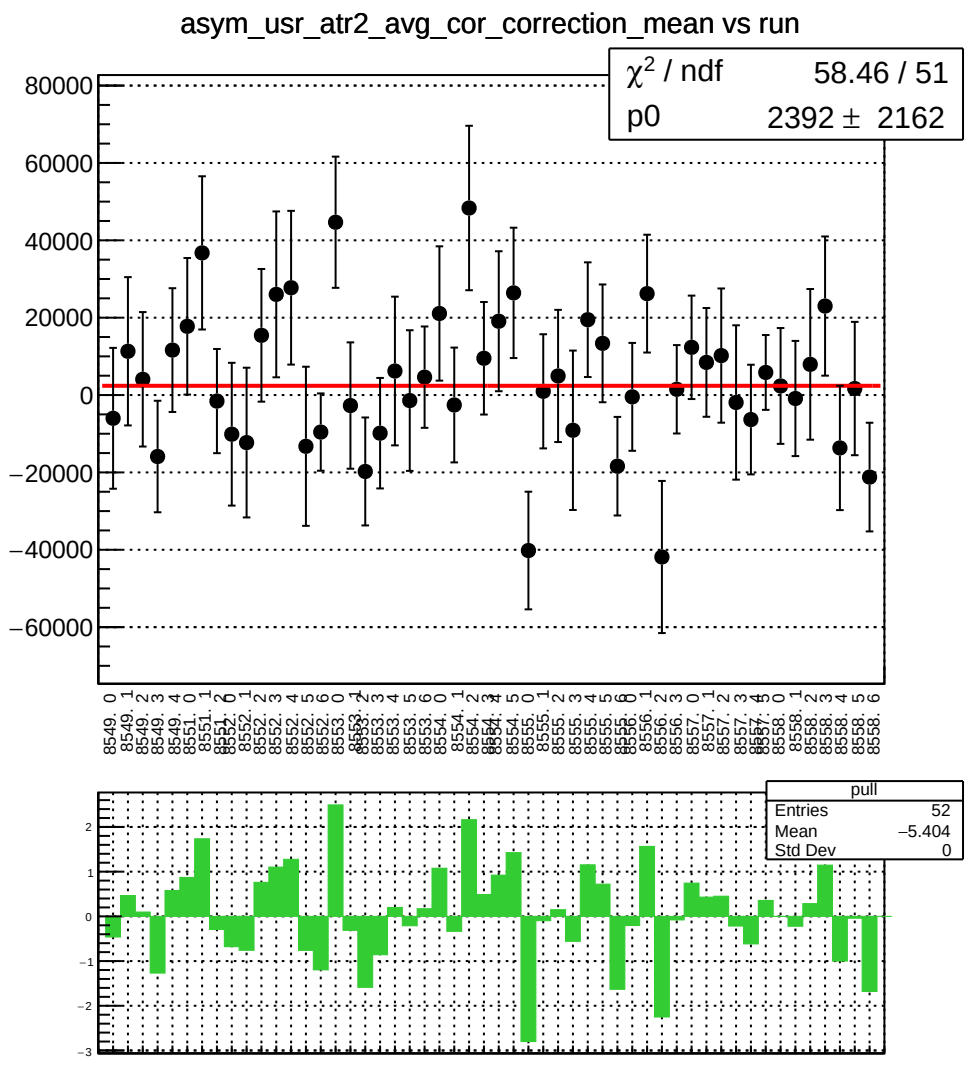
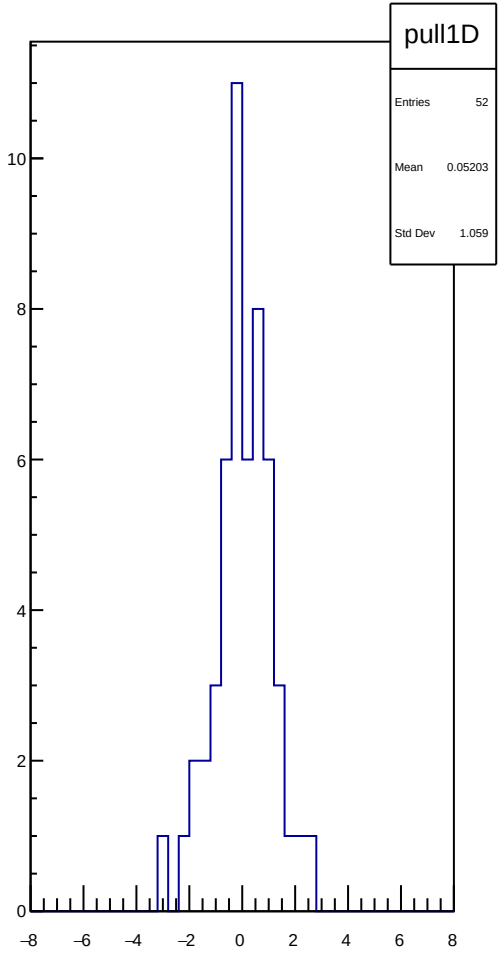
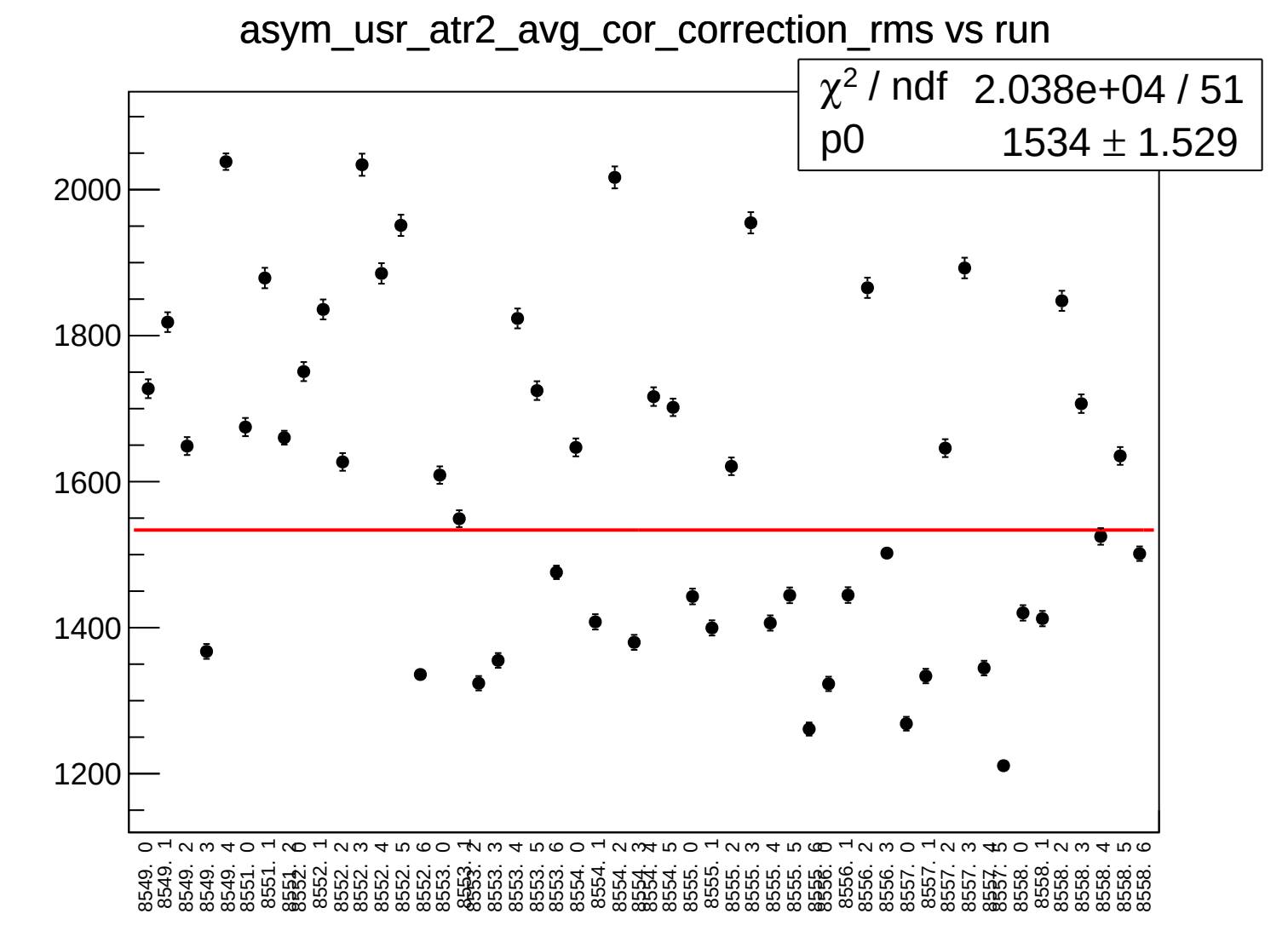
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6


asym_usr_atr2_avg_cor_correction_mean vs run
χ² / ndf 58.46 / 51
p0 2392 ± 2162
pull
Entries 52
Mean −5.404
Std Dev 0


pull1D
Entries 52
Mean 0.05203
Std Dev 1.059


asym_usr_atr2_avg_cor_correction_rms vs run
χ² / ndf 2.038e+04 / 51
p0 1534 ± 1.529
2000
1800
1600
1400
1200
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 5
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
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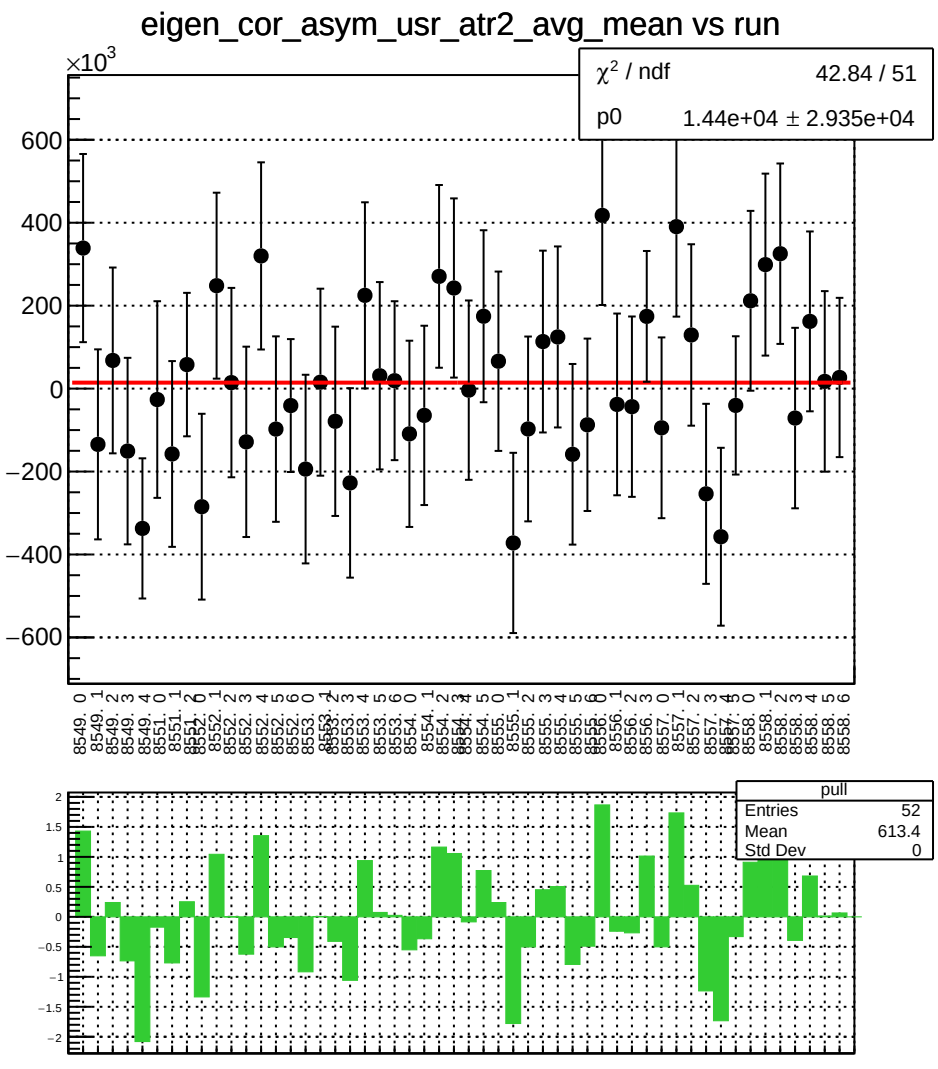
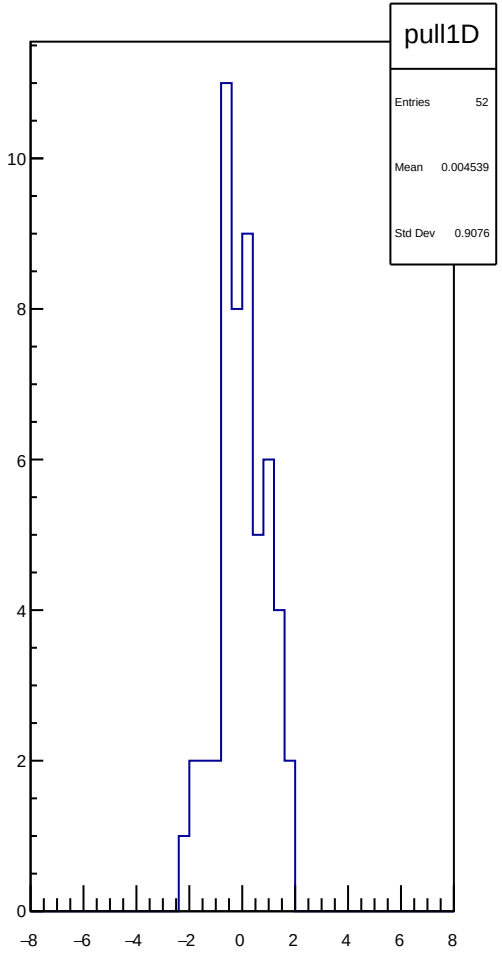
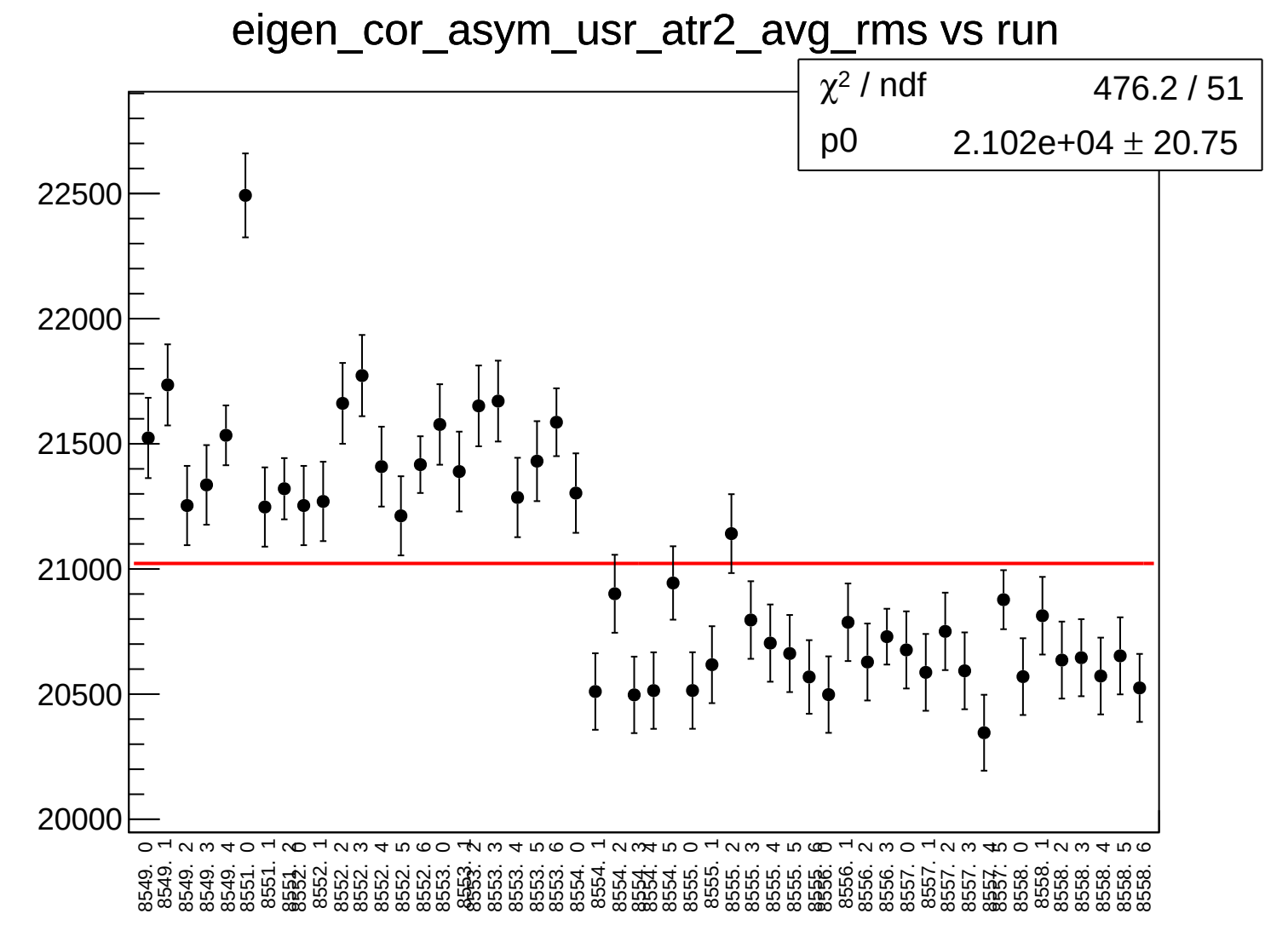
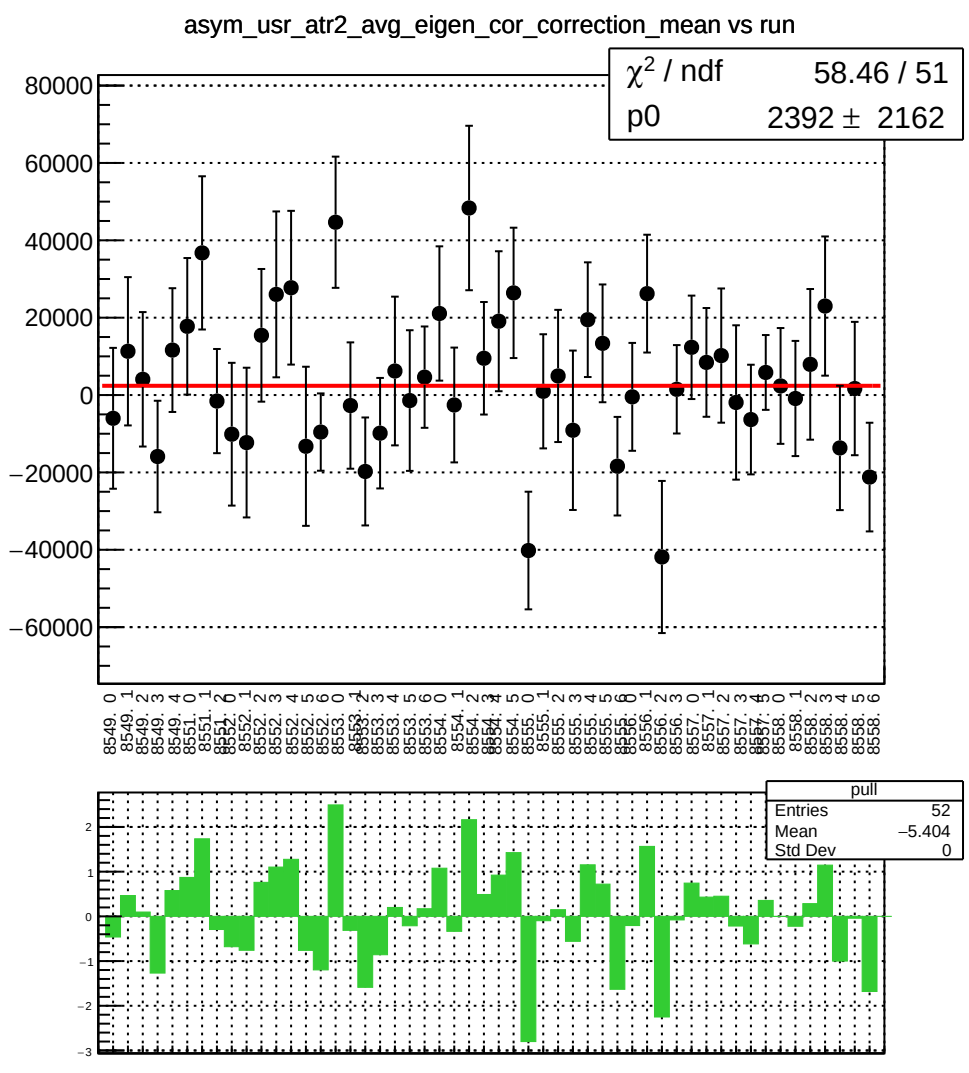
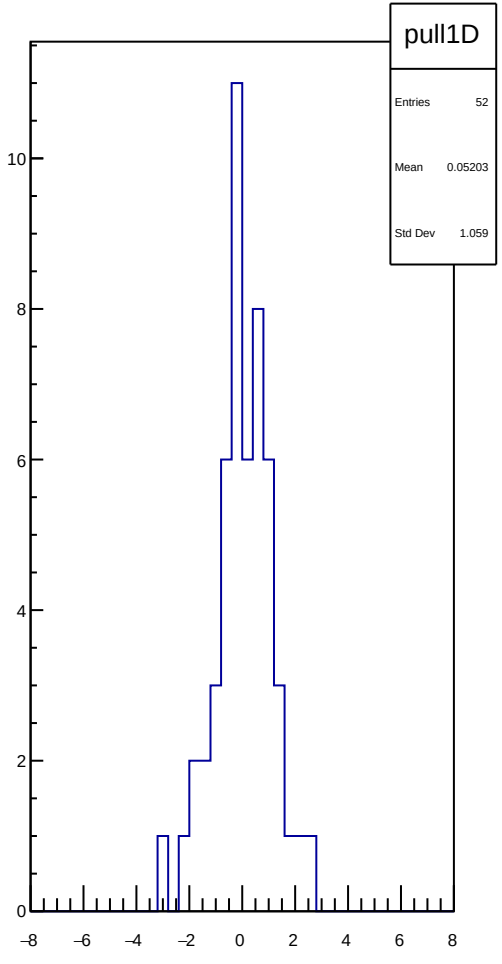
8558. 5
8558. 6

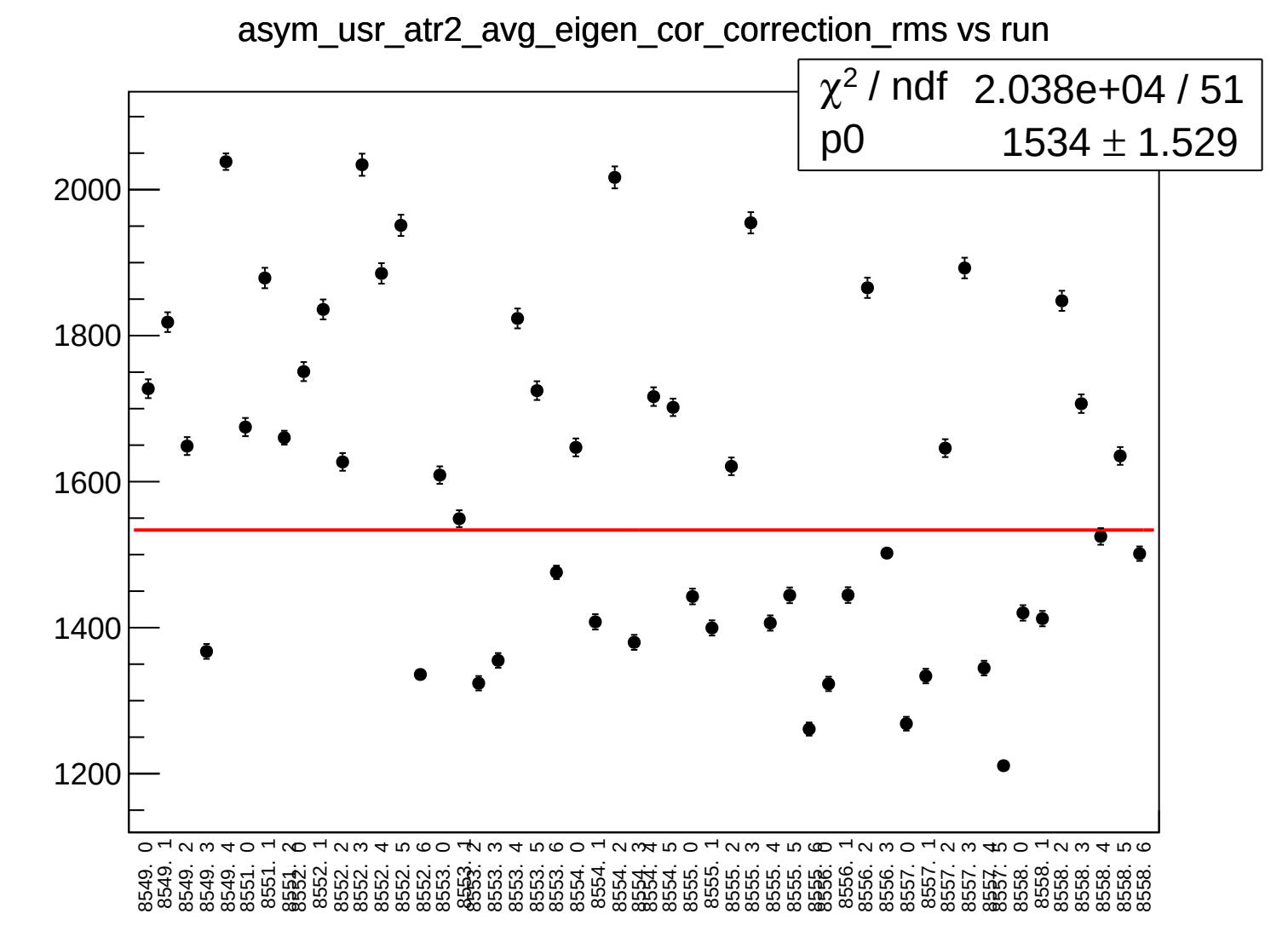

eigen_cor_asym_usr_atr2_avg_mean vs run
×10^3
χ² / ndf 42.84 / 51
p0 1.44e+04 ± 2.935e+04
600
400
200
0
−200
−400
−600
pull
Entries 52
Mean 613.4
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2


pull1D
Entries 52
Mean 0.004539
Std Dev 0.9076
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 476.2 / 51
p0 2.102e+04 ± 20.75
22500
22000
21500
21000
20500
20000
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6


asym_usr_atr2_avg_eigen_cor_correction_mean vs run
χ² / ndf 58.46 / 51
p0 2392 ± 2162
pull
Entries 52
Mean −5.404
Std Dev 0


pull1D
Entries 52
Mean 0.05203
Std Dev 1.059


asym_usr_atr2_avg_eigen_cor_correction_rms vs run
χ² / ndf 2.038e+04 / 51
p0 1534 ± 1.529
2000
1800
1600
1400
1200
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 5
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
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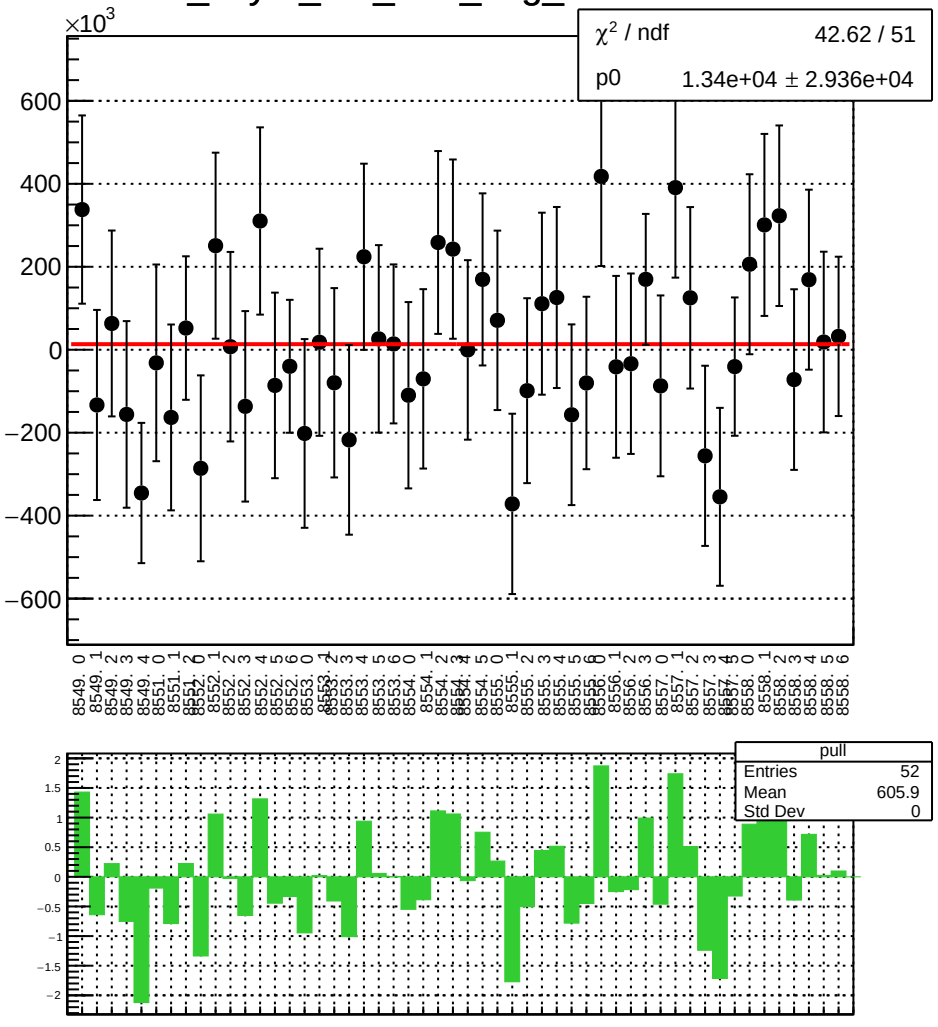
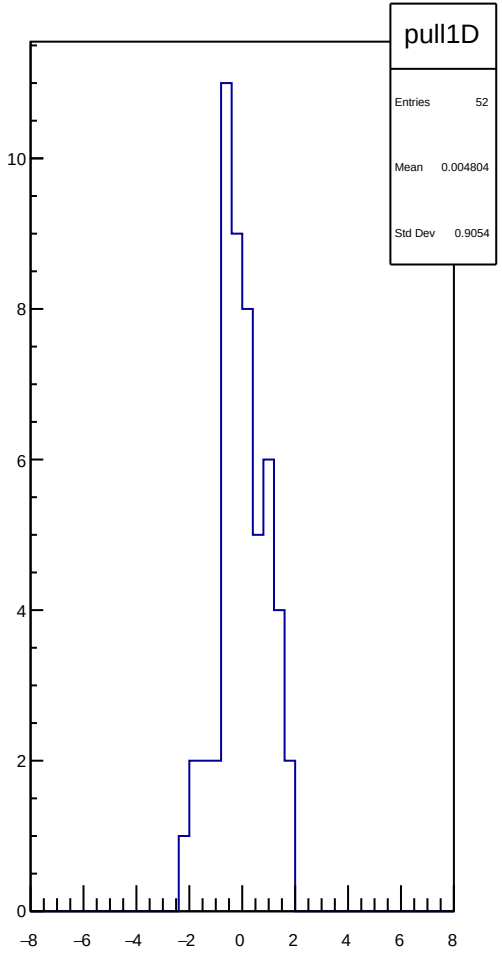
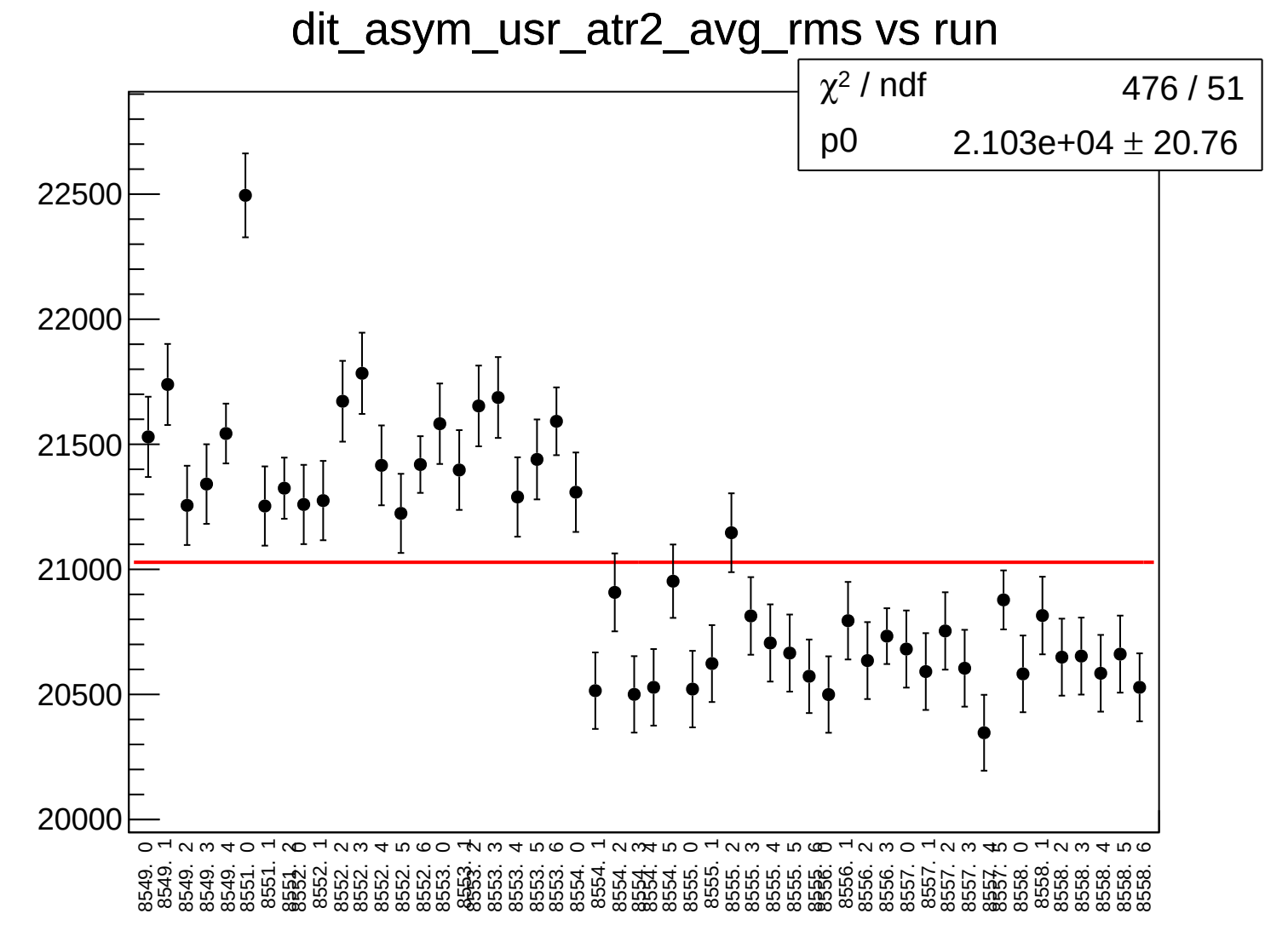
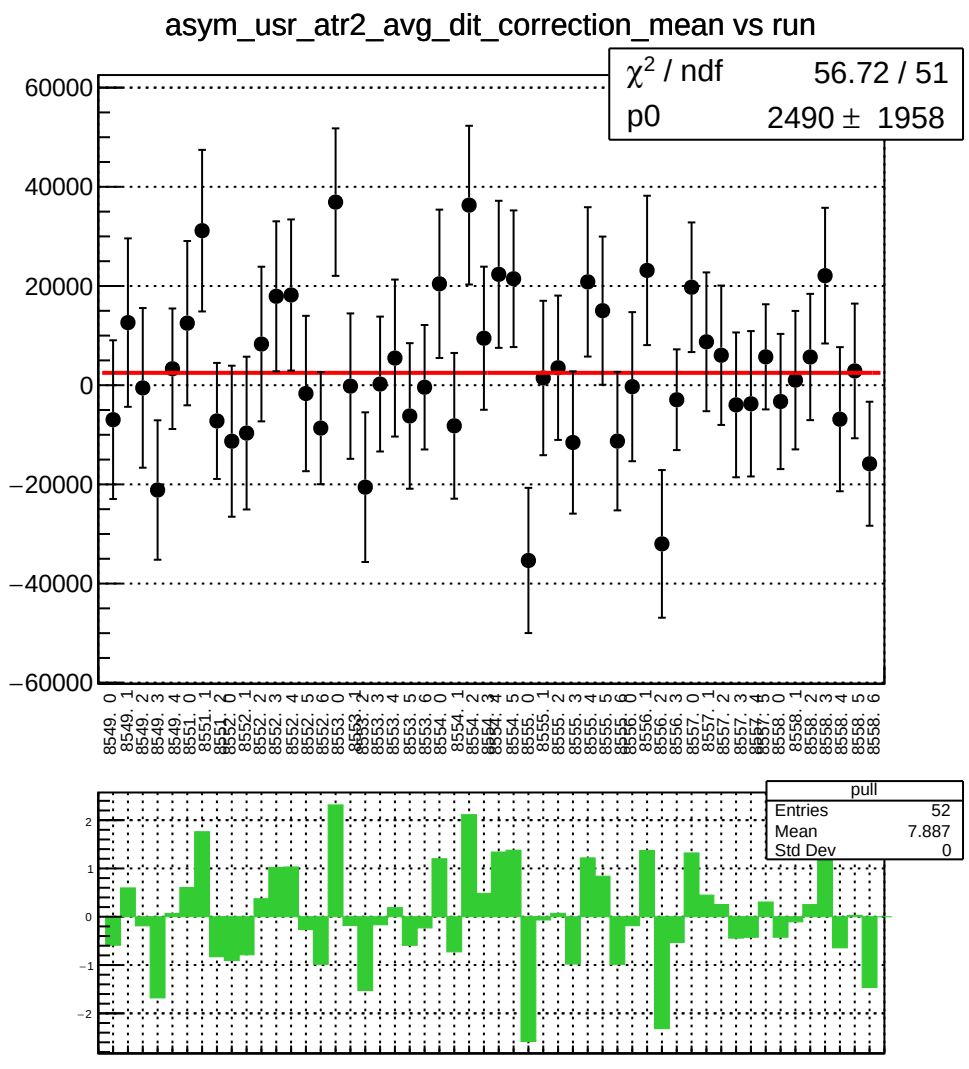
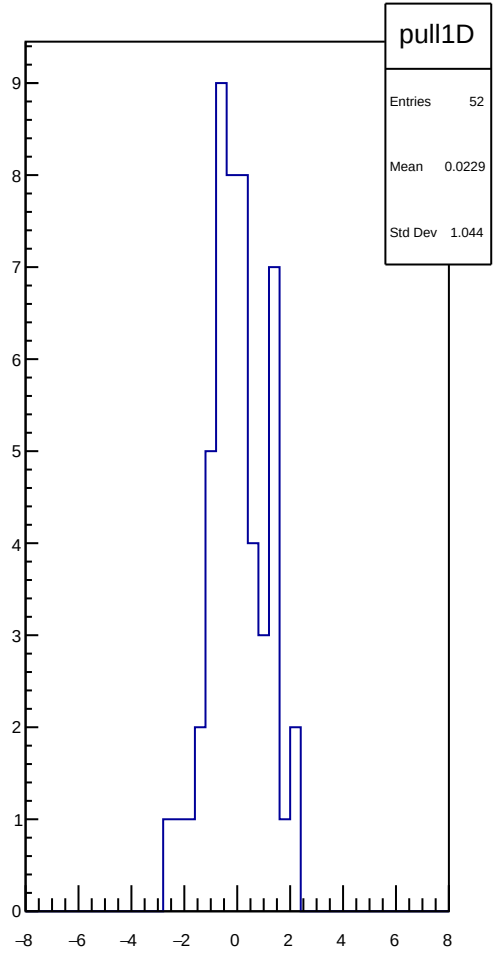
8558. 5
8558. 6

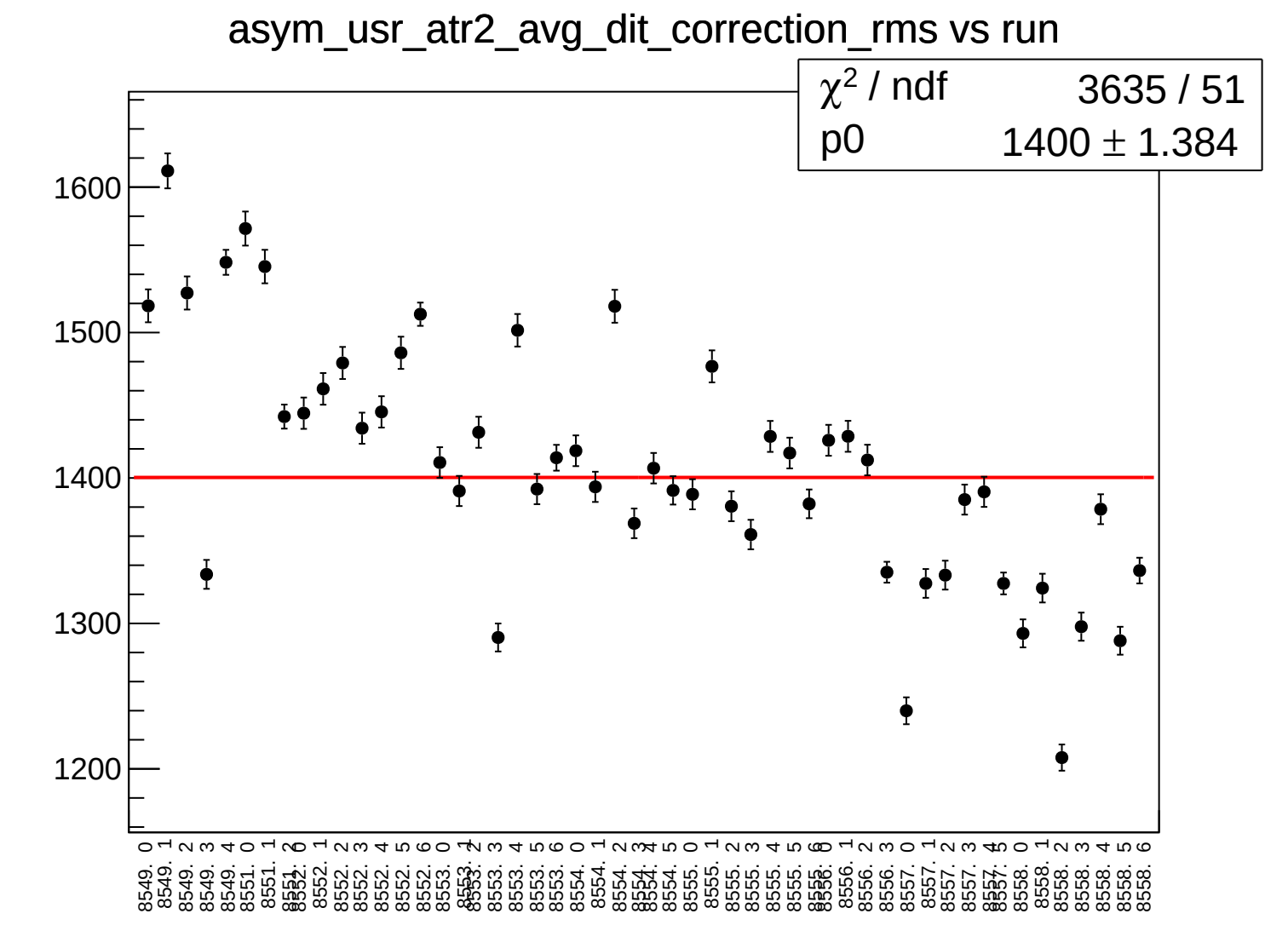

dit_asym_usr_atr2_avg_mean vs run
×10^3
χ² / ndf 42.62 / 51
p0 1.34e+04 ± 2.936e+04
pull
Entries 52
Mean 605.9
Std Dev 0

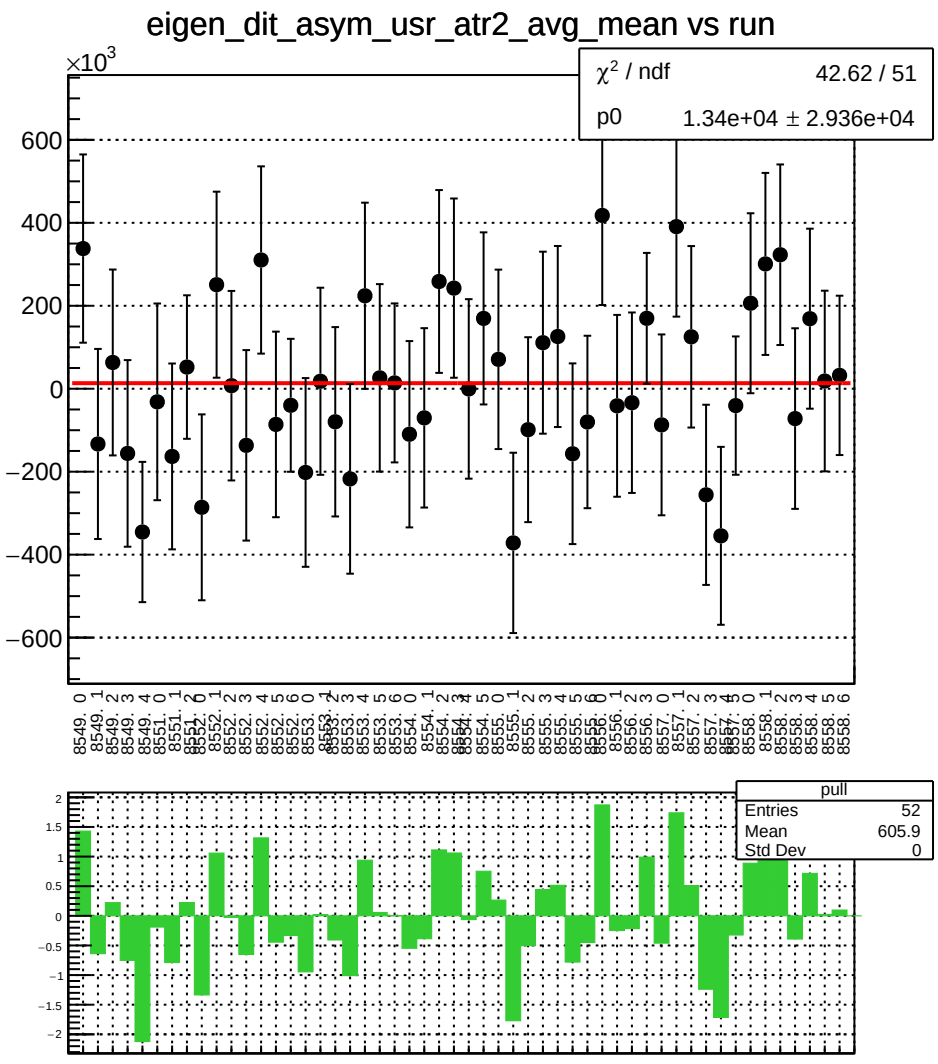

pull1D
Entries 52
Mean 0.004804
Std Dev 0.9054

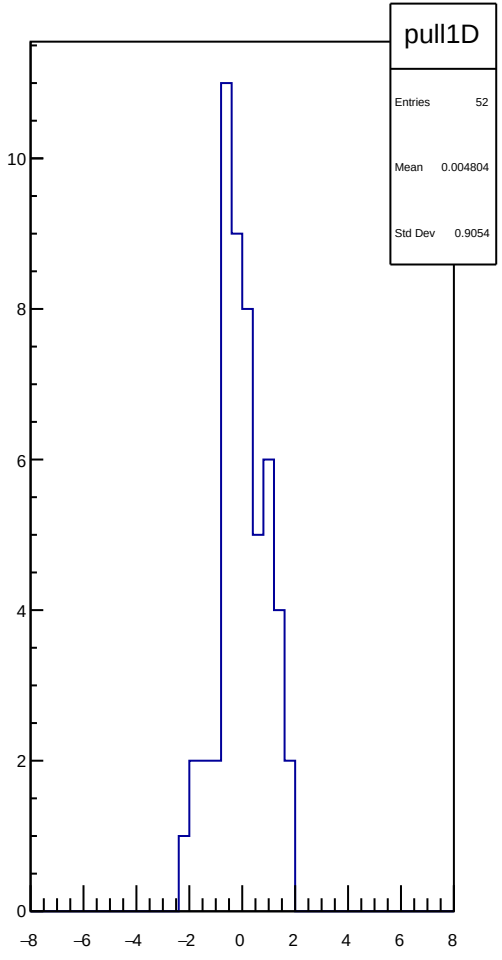

dit_asym_usr_atr2_avg_rms vs run
χ² / ndf 476 / 51
p0 2.103e+04 ± 20.76
22500
22000
21500
21000
20500
20000
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

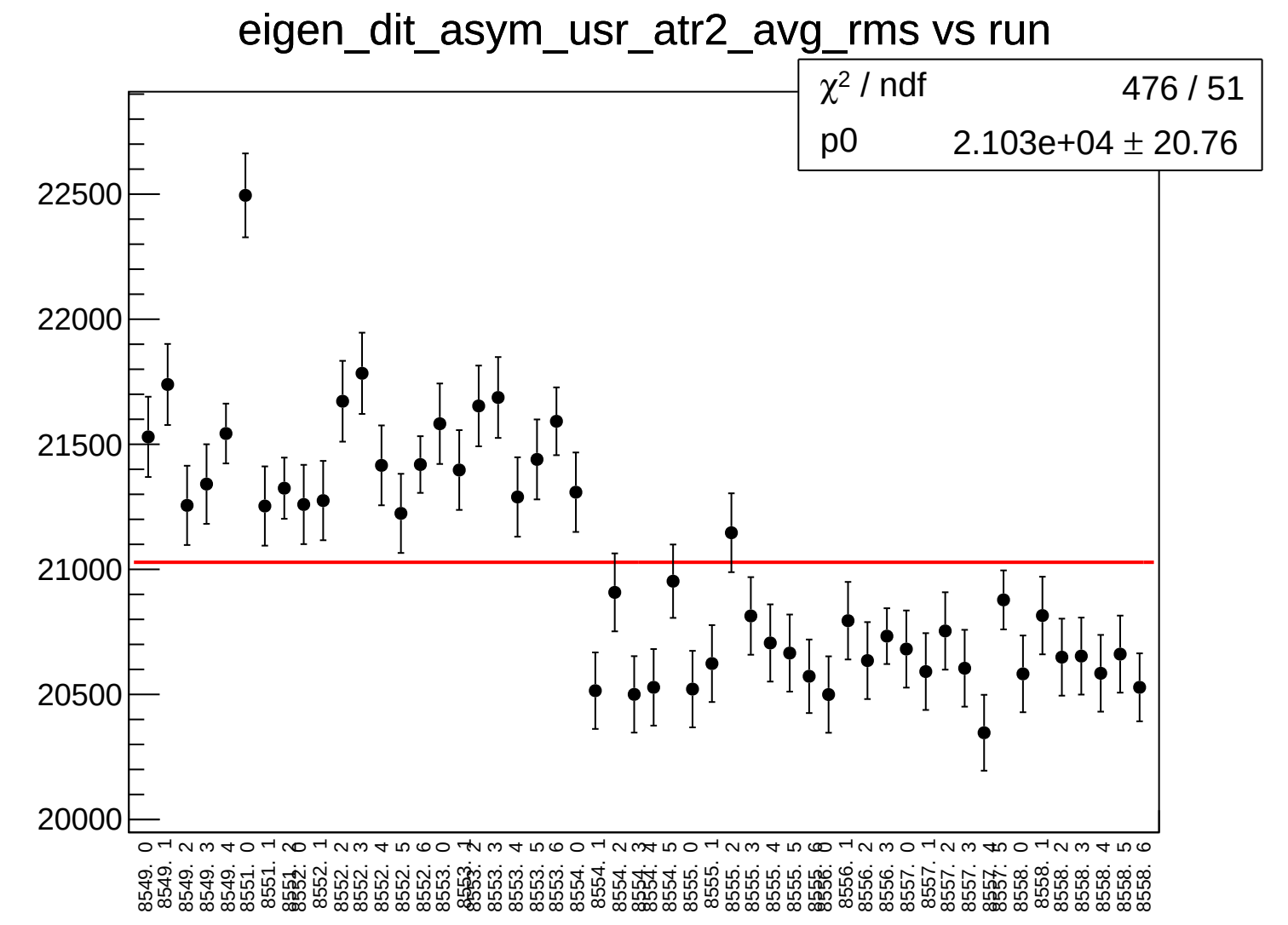

asym_usr_atr2_avg_dit_correction_mean vs run
χ² / ndf 56.72 / 51
p0 2490 ± 1958
pull
Entries 52
Mean 7.887
Std Dev 0

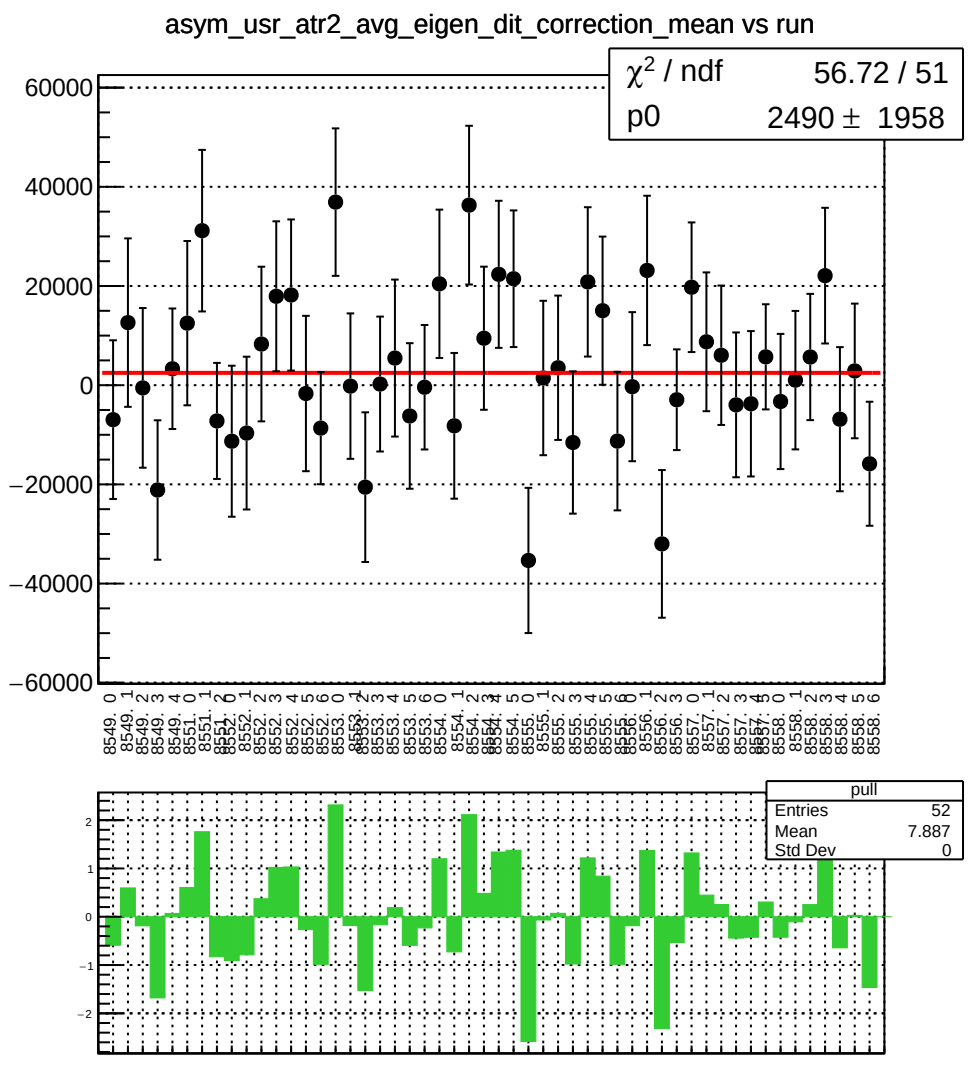

pull1D
Entries 52
Mean 0.0229
Std Dev 1.044

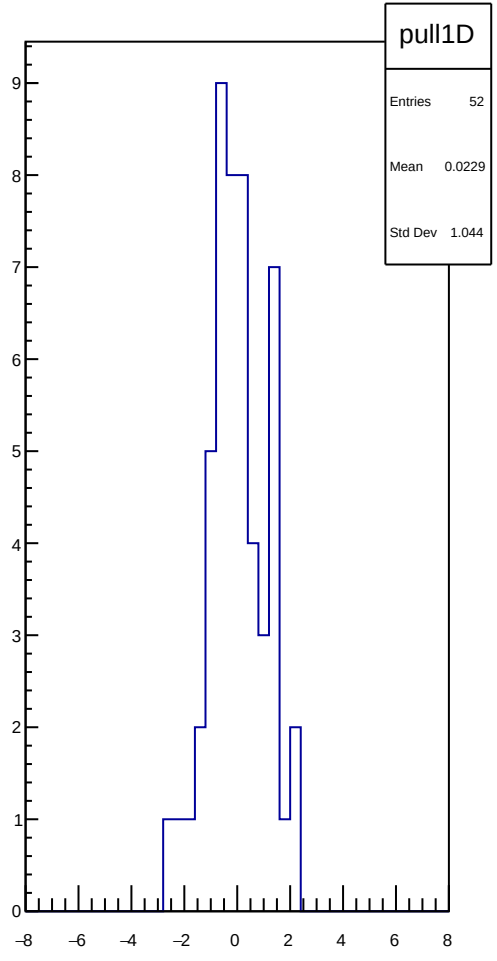

asym_usr_atr2_avg_dit_correction_rms vs run
χ² / ndf 3635 / 51
p0 1400 ± 1.384
1600
1500
1400
1300
1200
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

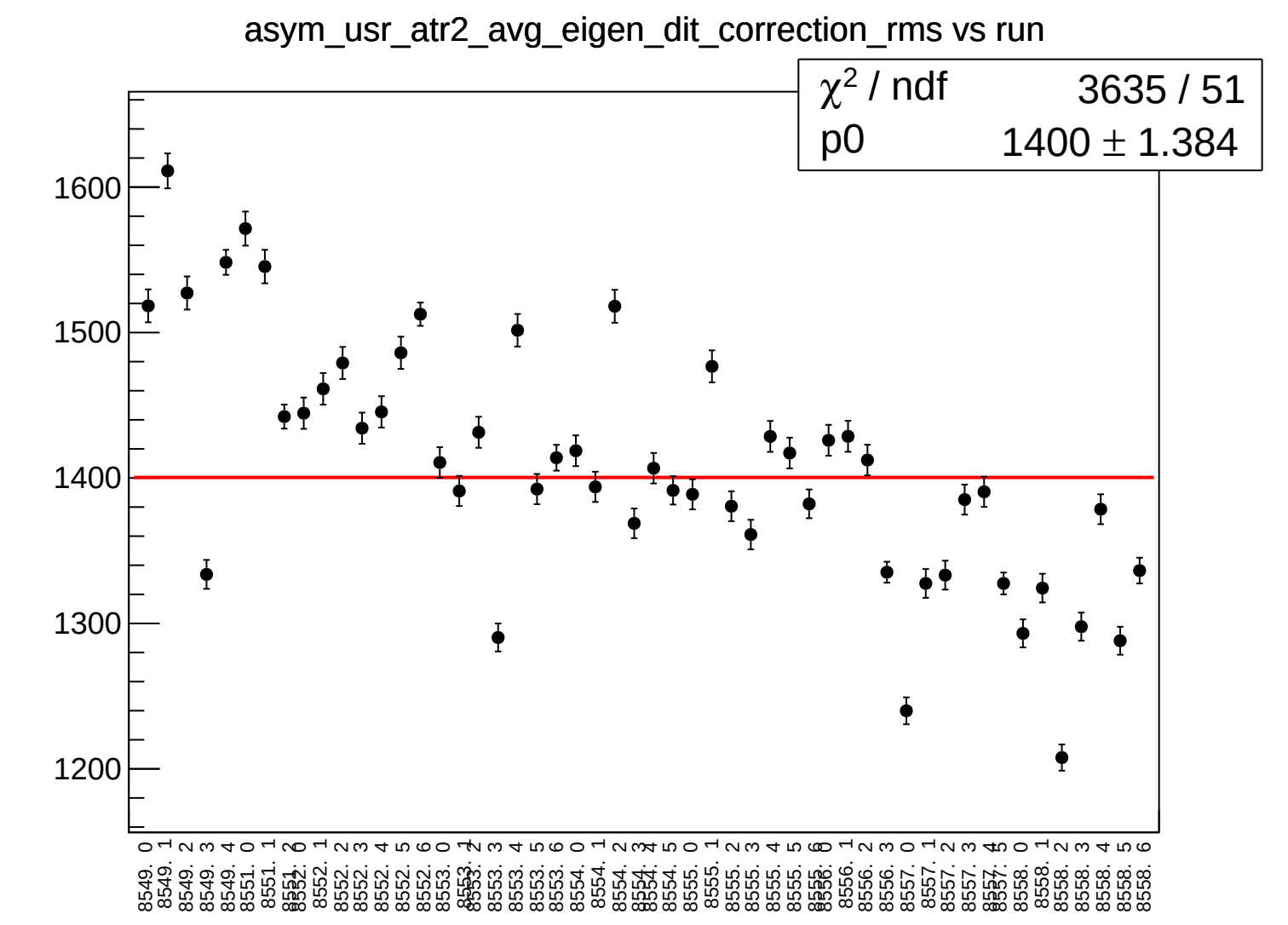

eigen_dit_asym_usr_atr2_avg_mean vs run
×10^3
χ² / ndf 42.62 / 51
p0 1.34e+04 ± 2.936e+04
600
400
200
0
−200
−400
−600
pull
Entries 52
Mean 605.9
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

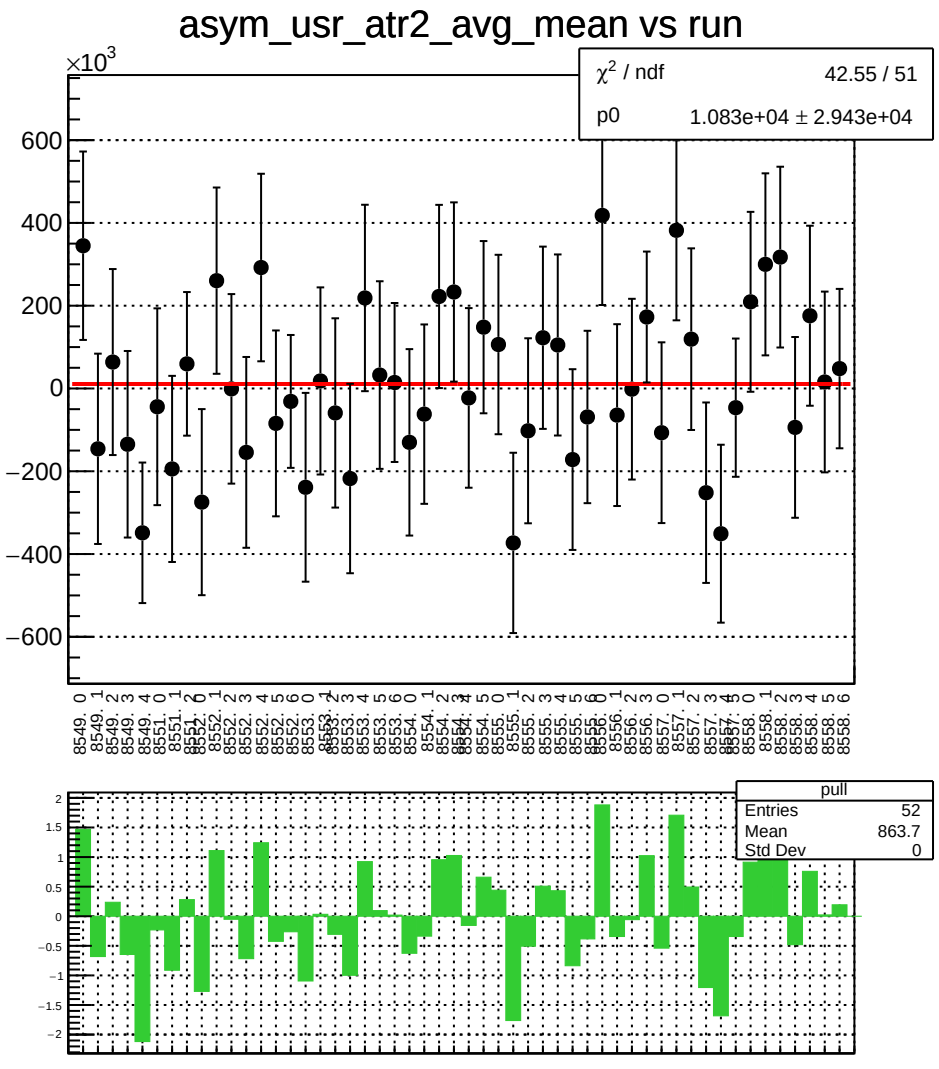

pull1D
Entries 52
Mean 0.004804
Std Dev 0.9054
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

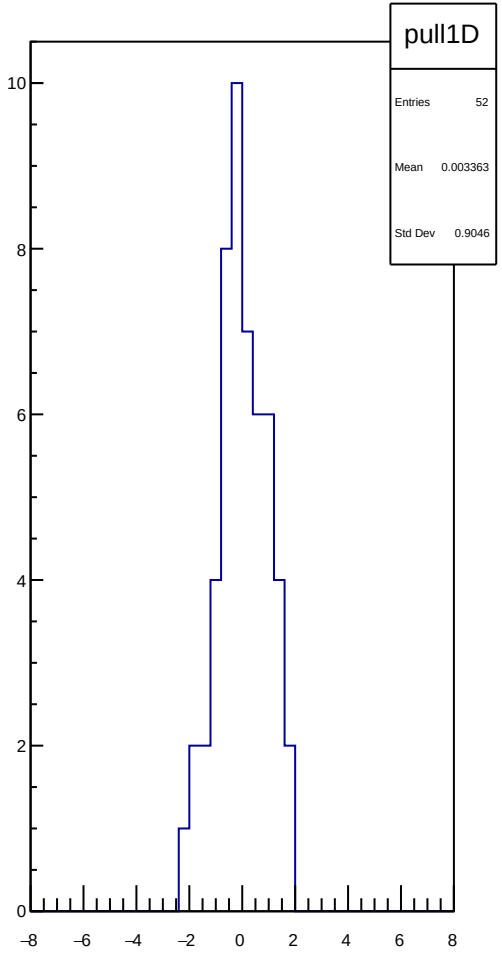

eigen_dit_asym_usr_atr2_avg_rms vs run
χ² / ndf 476 / 51
p0 2.103e+04 ± 20.76
22500
22000
21500
21000
20500
20000
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

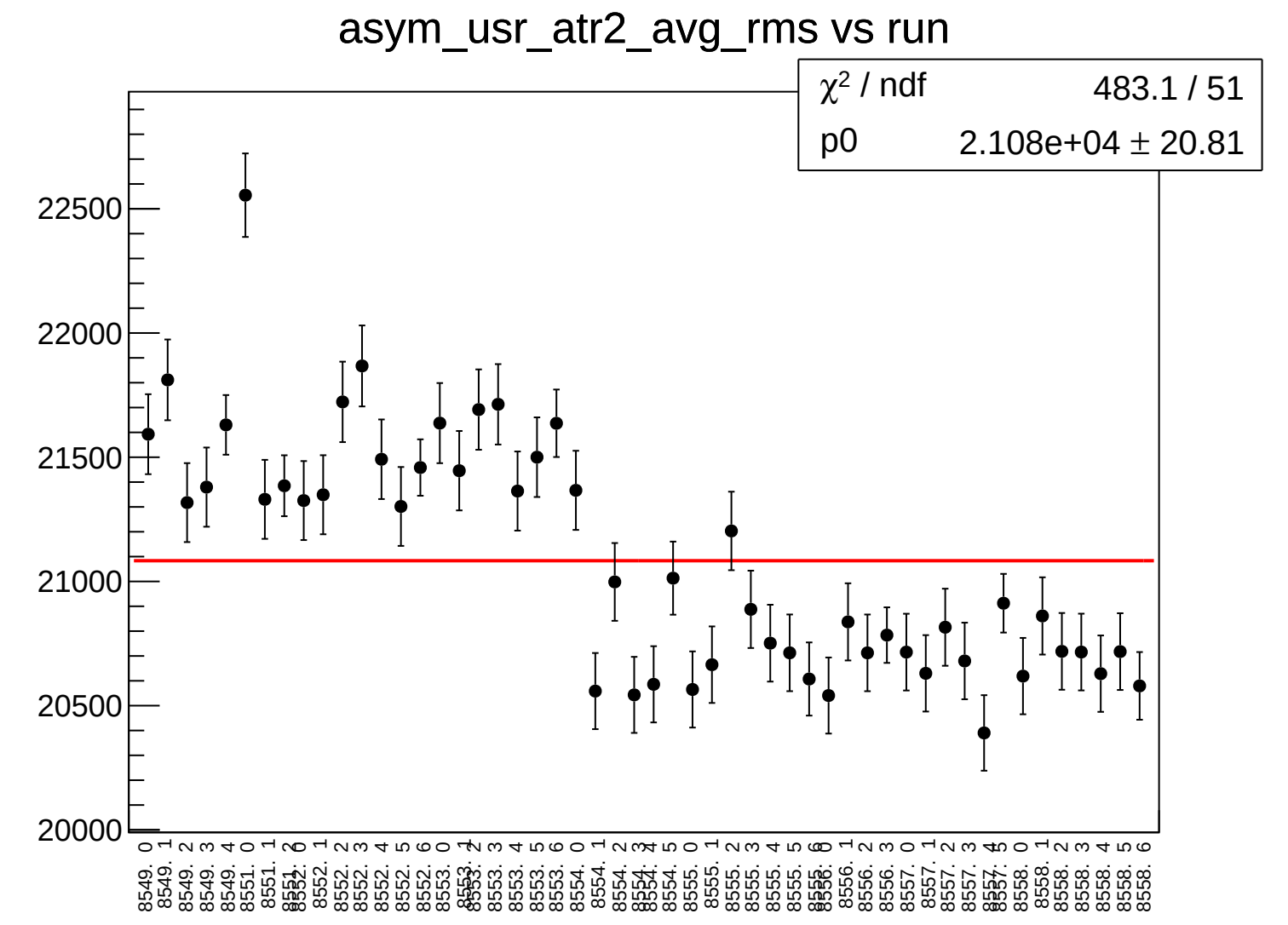

asym_usr_atr2_avg_eigen_dit_correction_mean vs run
χ² / ndf 56.72 / 51
p0 2490 ± 1958
pull
Entries 52
Mean 7.887
Std Dev 0

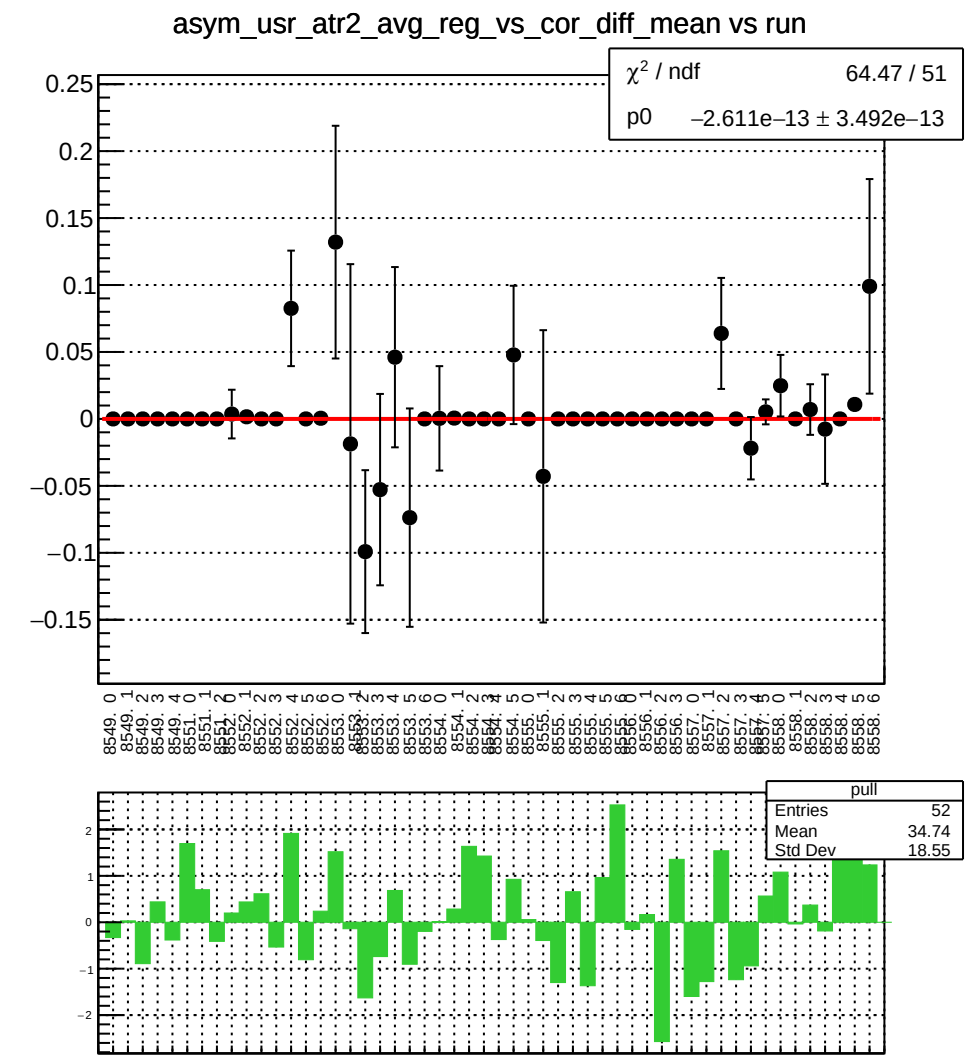

pull1D
Entries 52
Mean 0.0229
Std Dev 1.044

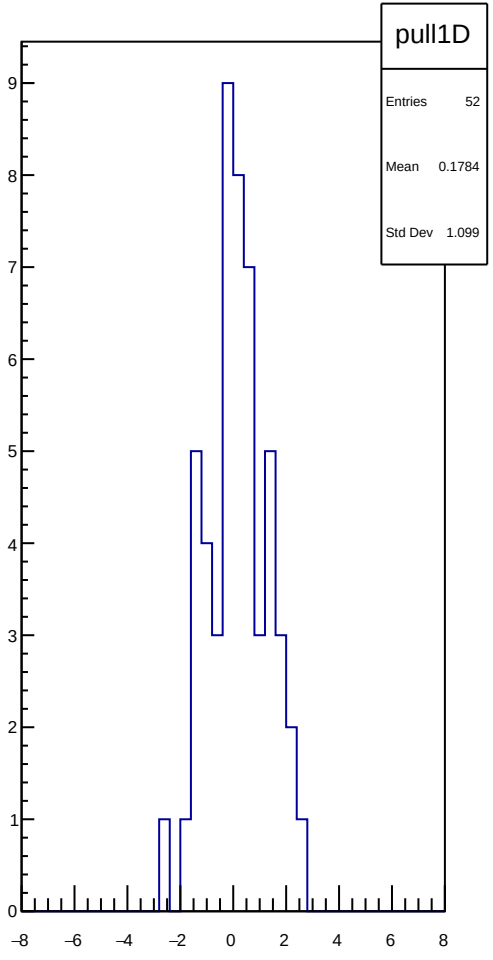

asym_usr_atr2_avg_eigen_dit_correction_rms vs run
χ² / ndf 3635 / 51
p0 1400 ± 1.384
1600
1500
1400
1300
1200
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

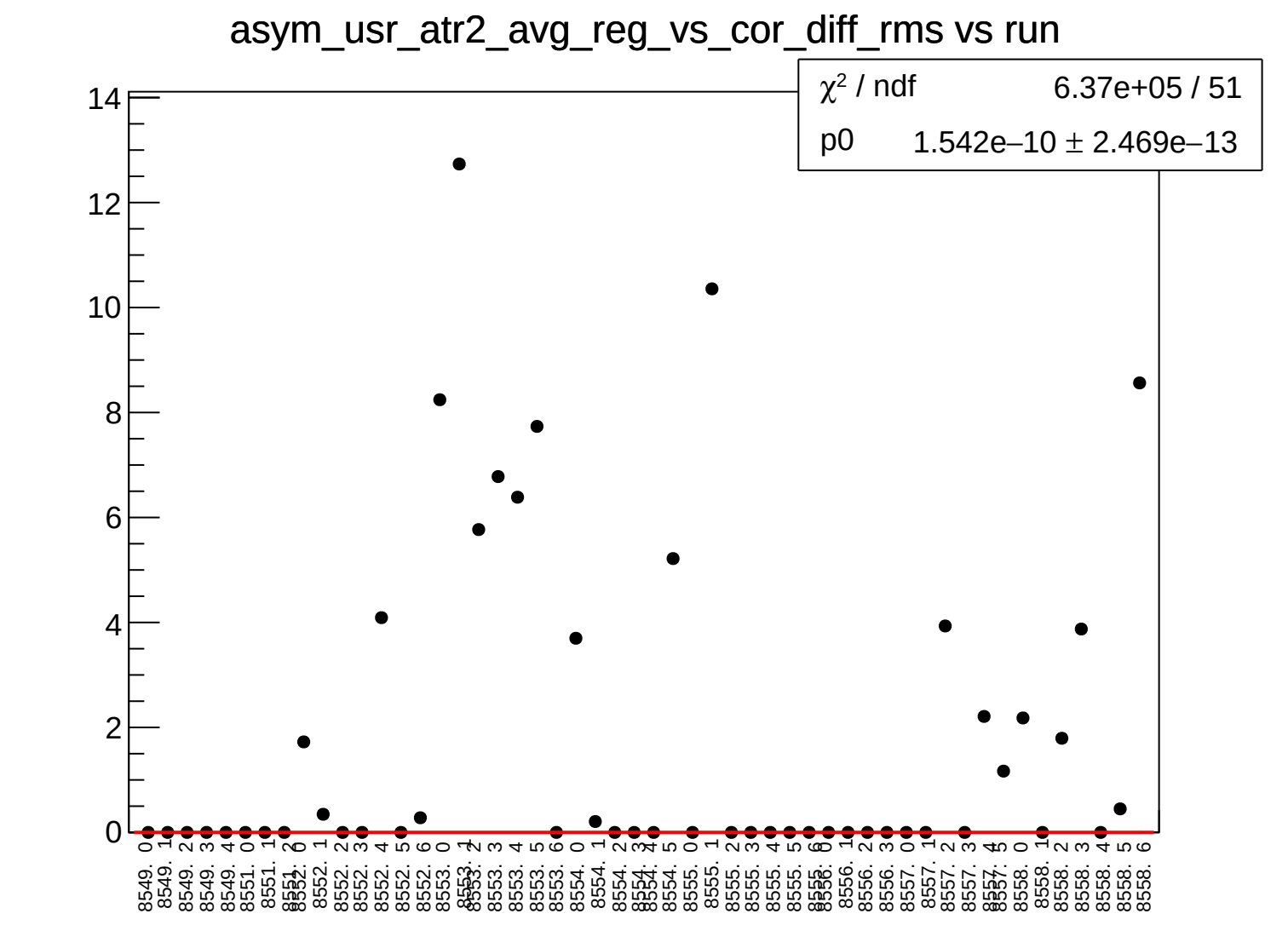

asym_usr_atr2_avg_mean vs run
×10^3
χ² / ndf 42.55 / 51
p0 1.083e+04 ± 2.943e+04
600
400
200
0
−200
−400
−600
pull
Entries 52
Mean 863.7
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

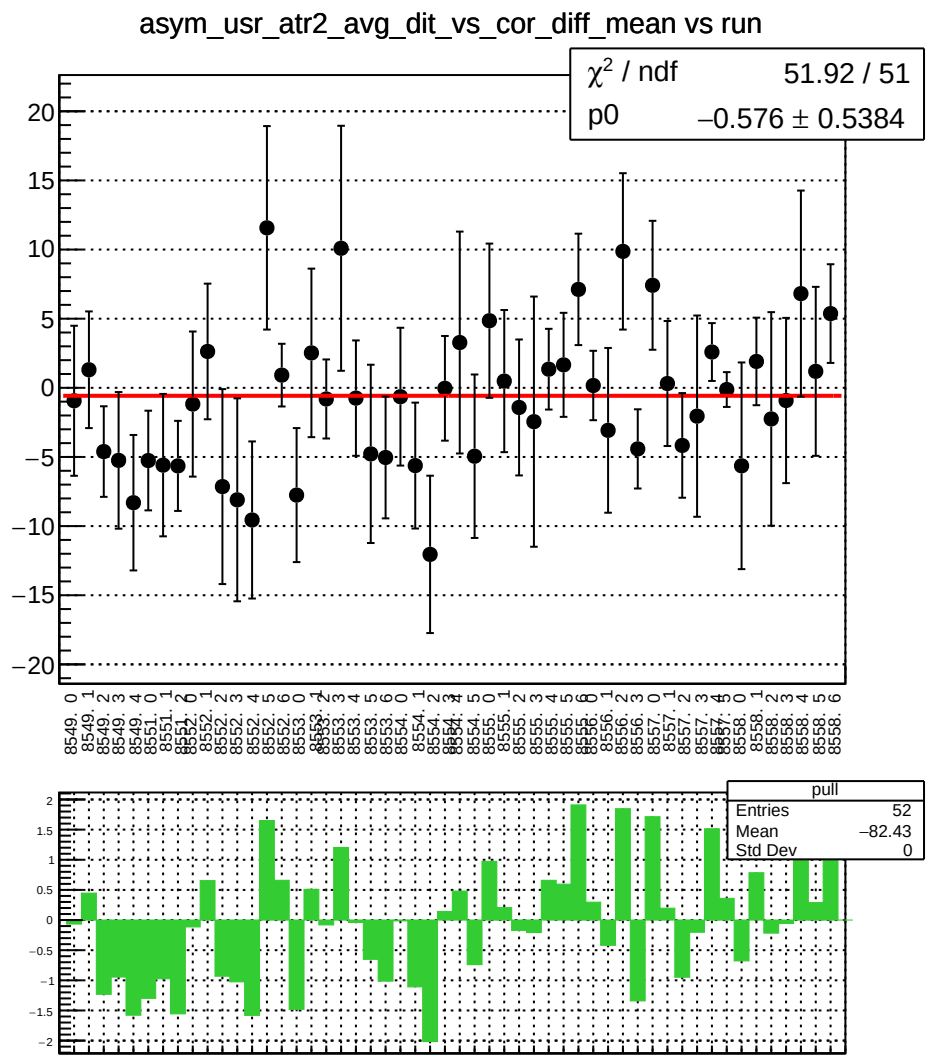

pull1D
Entries 52
Mean 0.003363
Std Dev 0.9046
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

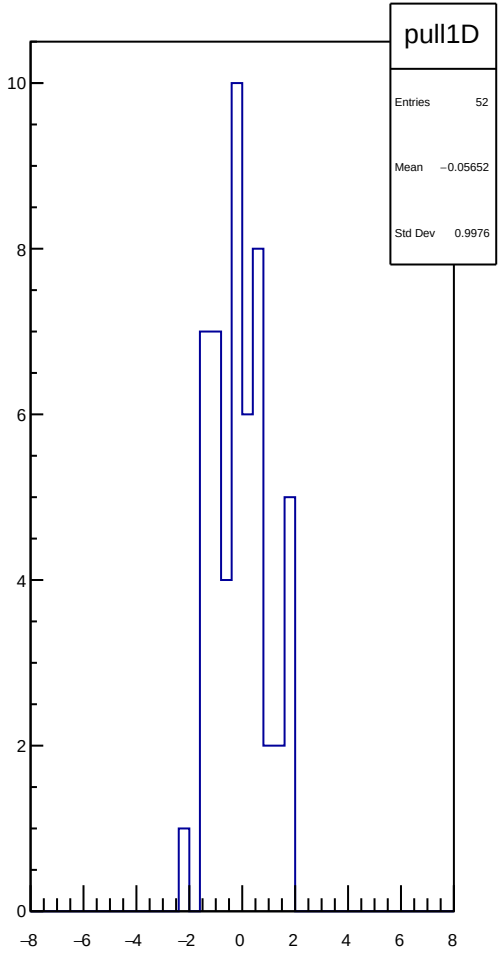

asym_usr_atr2_avg_rms vs run
χ² / ndf 483.1 / 51
p0 2.108e+04 ± 20.81
22500
22000
21500
21000
20500
20000
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

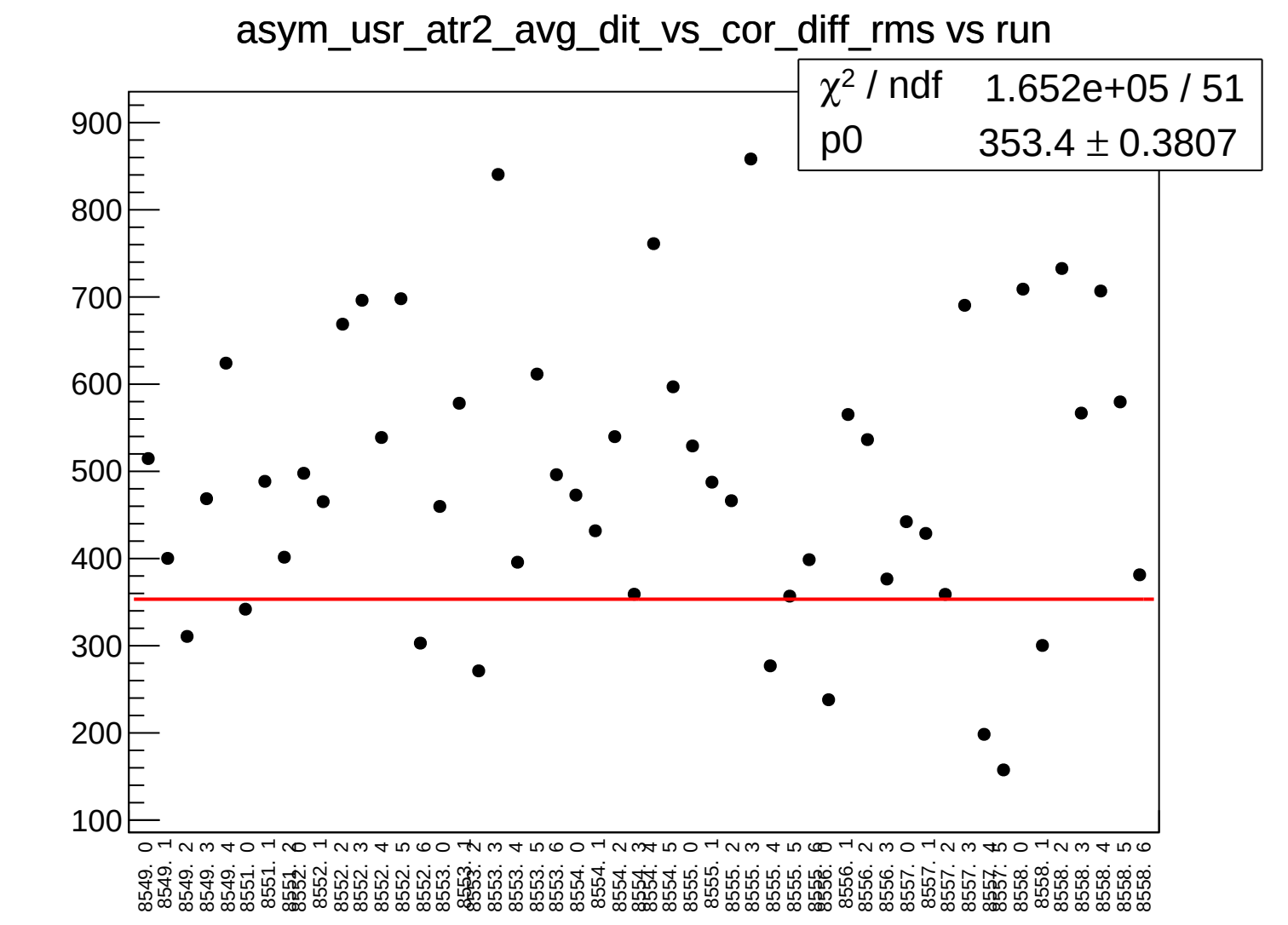

asym_usr_atr2_avg_reg_vs_cor_diff_mean vs run
χ² / ndf 64.47 / 51
p0 −2.611e−13 ± 3.492e−13
pull
Entries 52
Mean 34.74
Std Dev 18.55

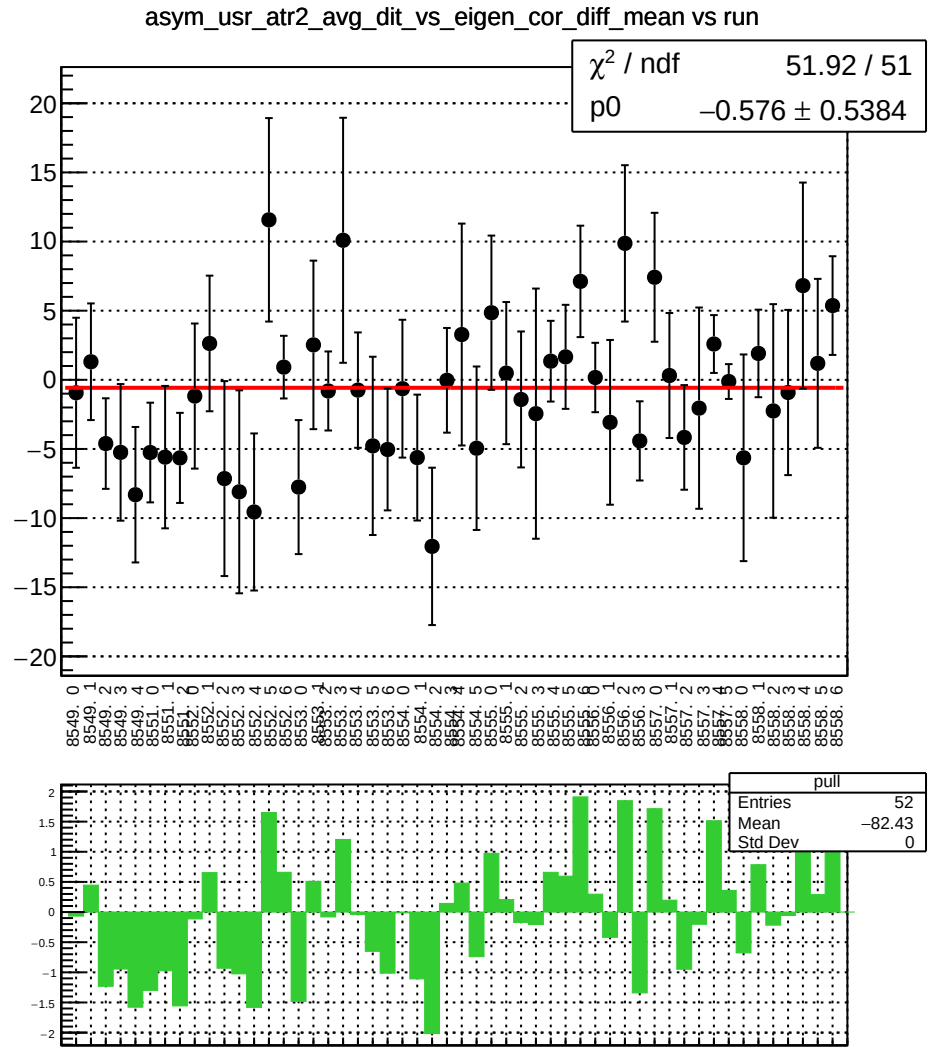

pull1D
Entries 52
Mean 0.1784
Std Dev 1.099

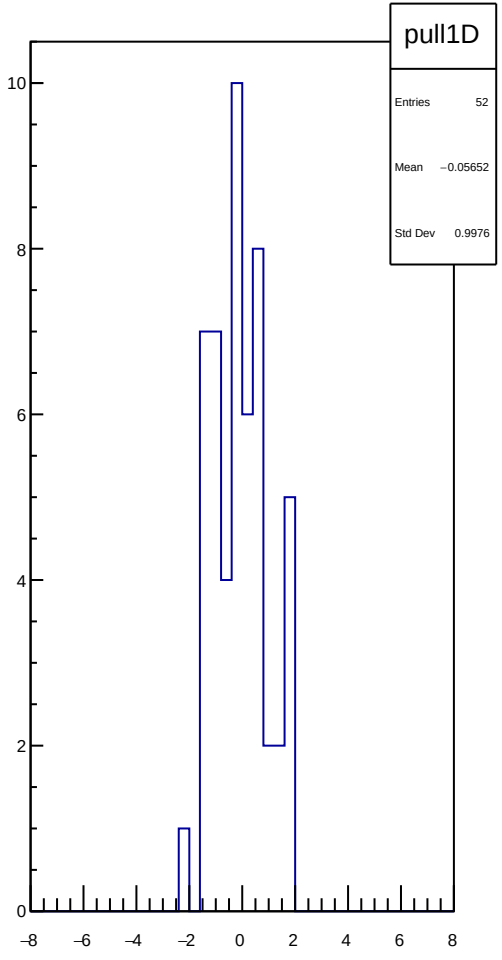

asym_usr_atr2_avg_reg_vs_cor_diff_rms vs run
χ² / ndf 6.37e+05 / 51
p0 1.542e−10 ± 2.469e−13
14
12
10
8
6
4
2
0
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8549. 5
8551. 0
8551. 1
8551. 2
8552. 0
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 1
8553. 2
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 3
8554. 4
8554. 5
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8555. 6
8556. 0
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8557. 4
8557. 5
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

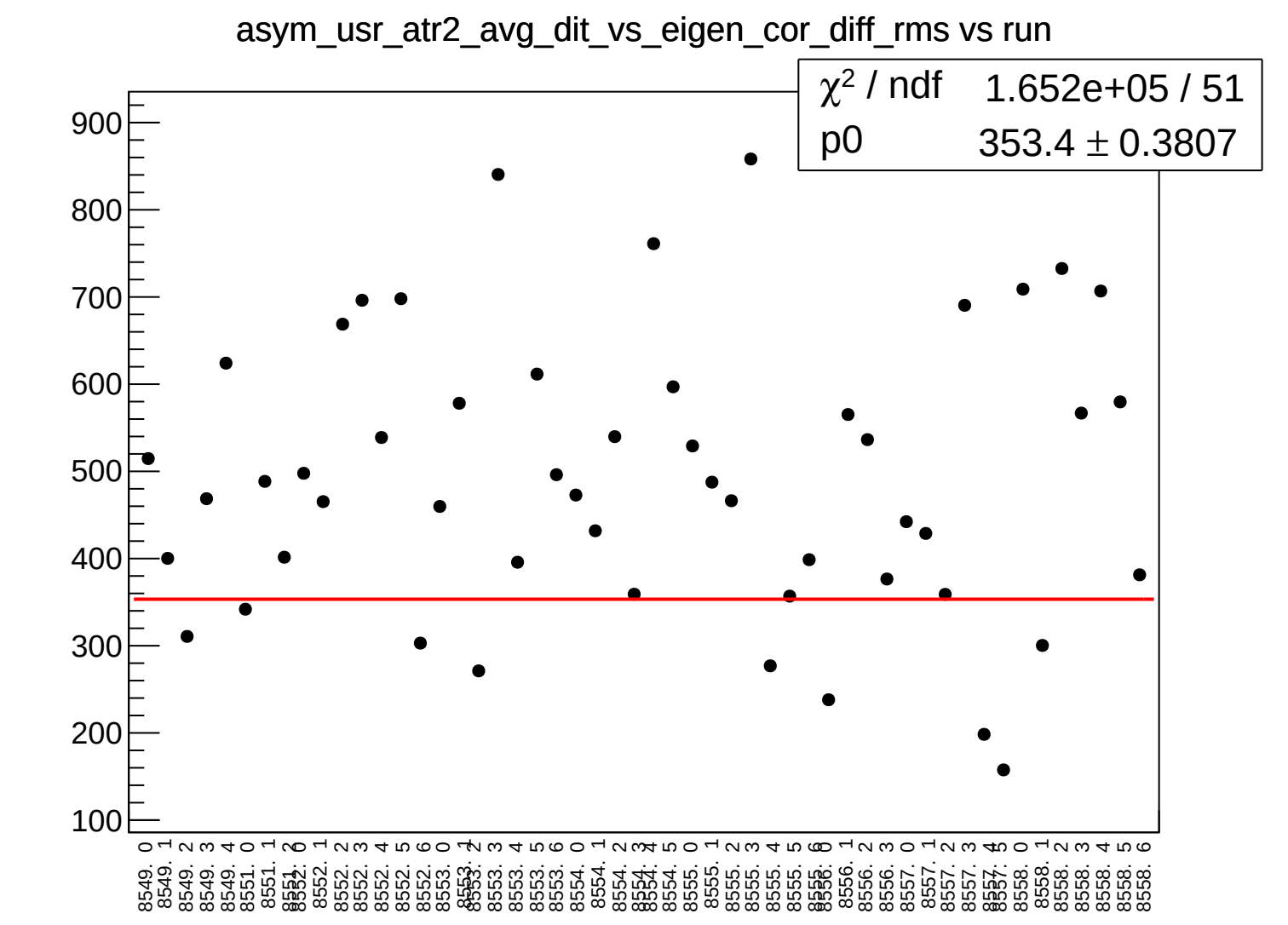

asym_usr_atr2_avg_dit_vs_cor_diff_mean vs run
χ² / ndf 51.92 / 51
p0 −0.576 ± 0.5384
pull
Entries 52
Mean −82.43
Std Dev 0

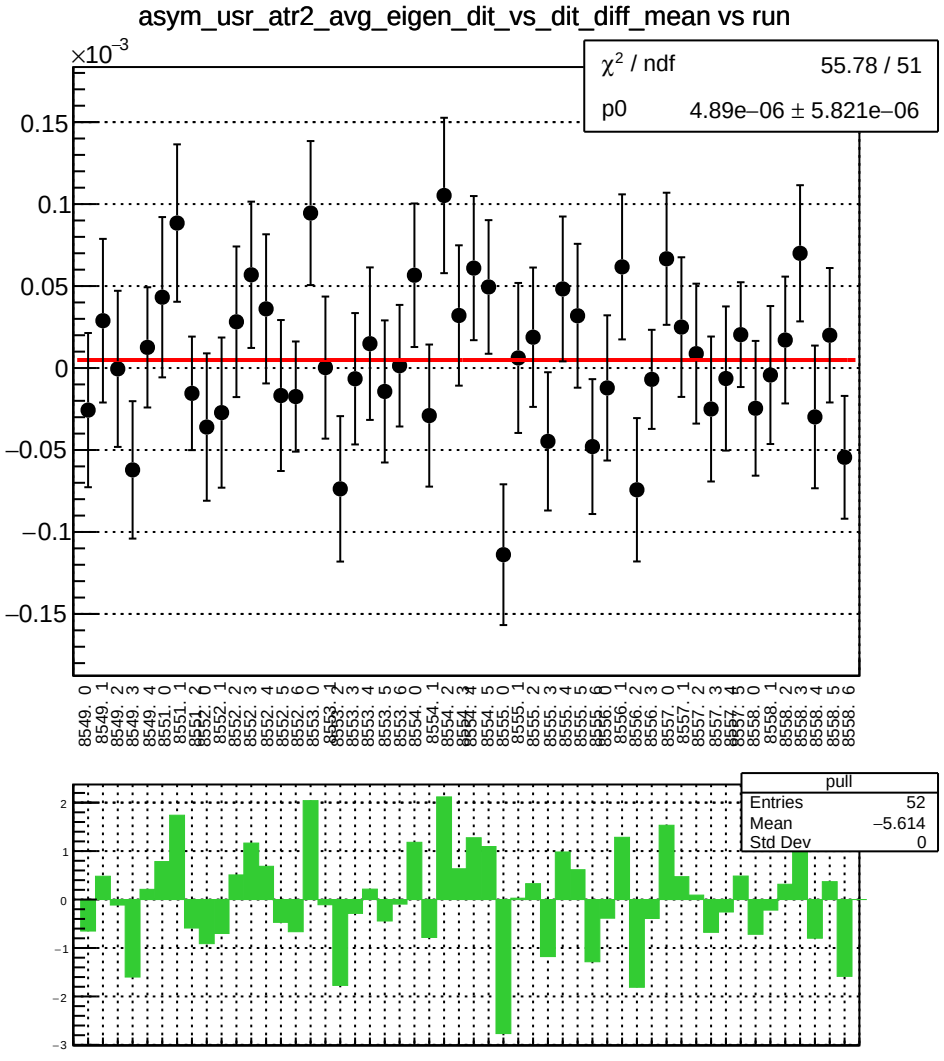

pull1D
Entries 52
Mean −0.05652
Std Dev 0.9976

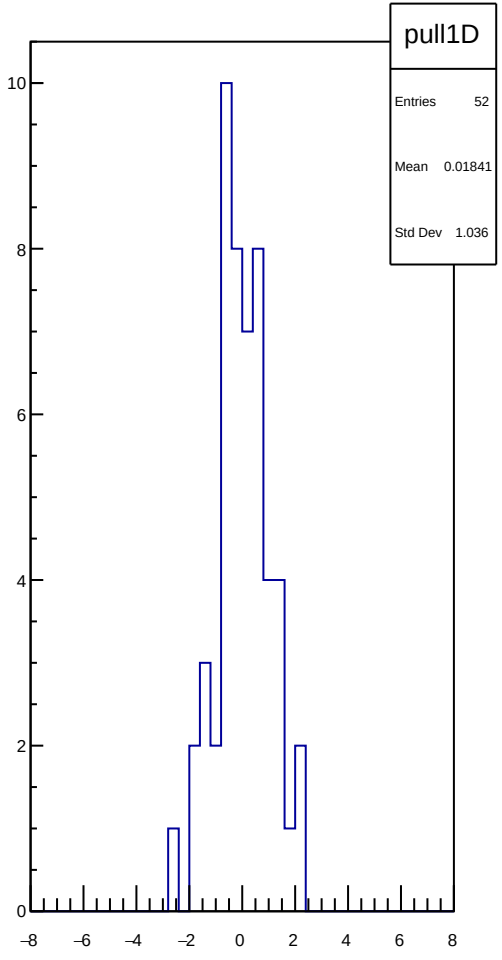

asym_usr_atr2_avg_dit_vs_cor_diff_rms vs run
χ² / ndf 1.652e+05 / 51
p0 353.4 ± 0.3807
900
800
700
600
500
400
300
200
100
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 5
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

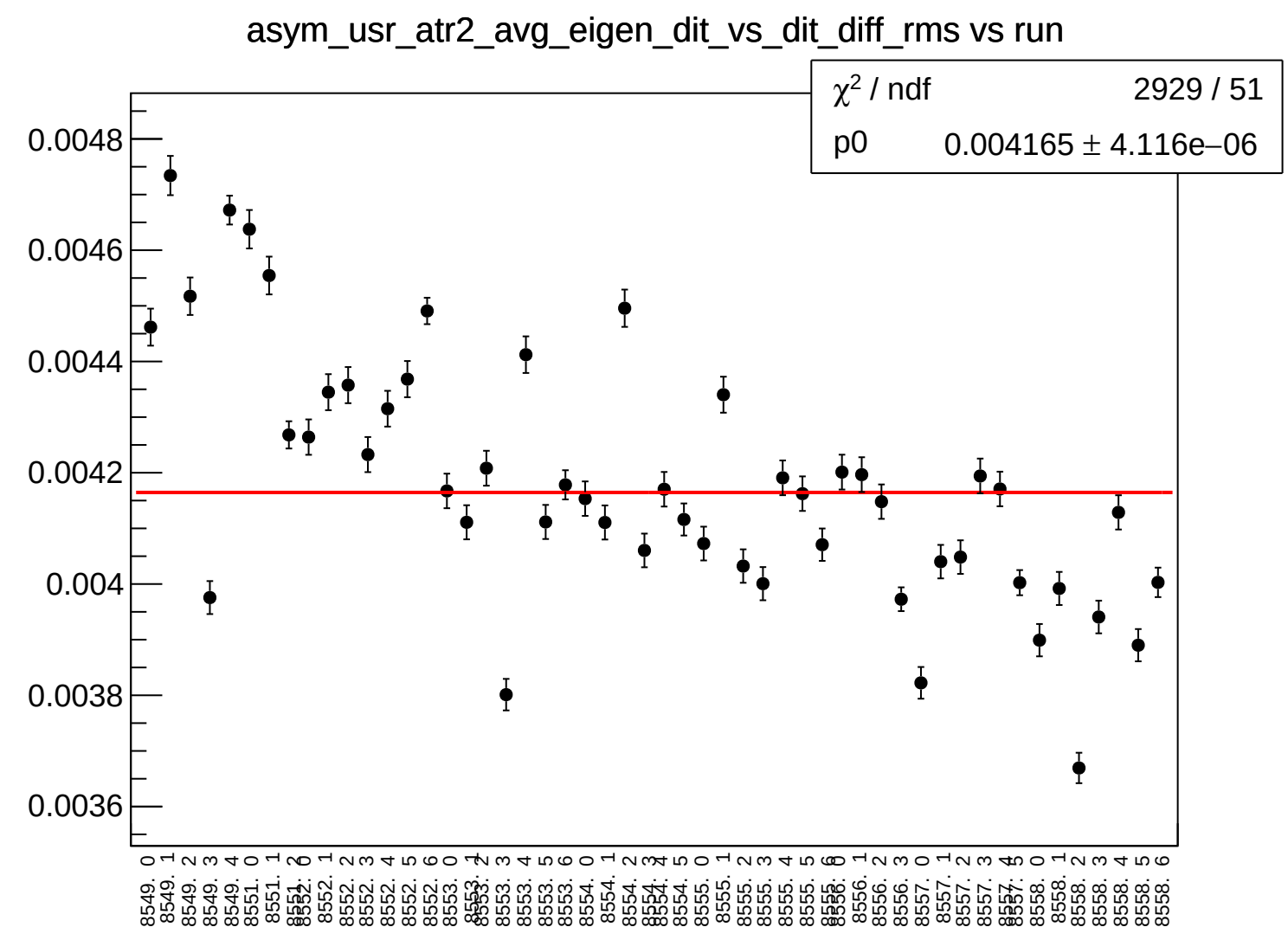

asym_usr_atr2_avg_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 51.92 / 51
p0 −0.576 ± 0.5384
pull
Entries 52
Mean −82.43
Std Dev 0

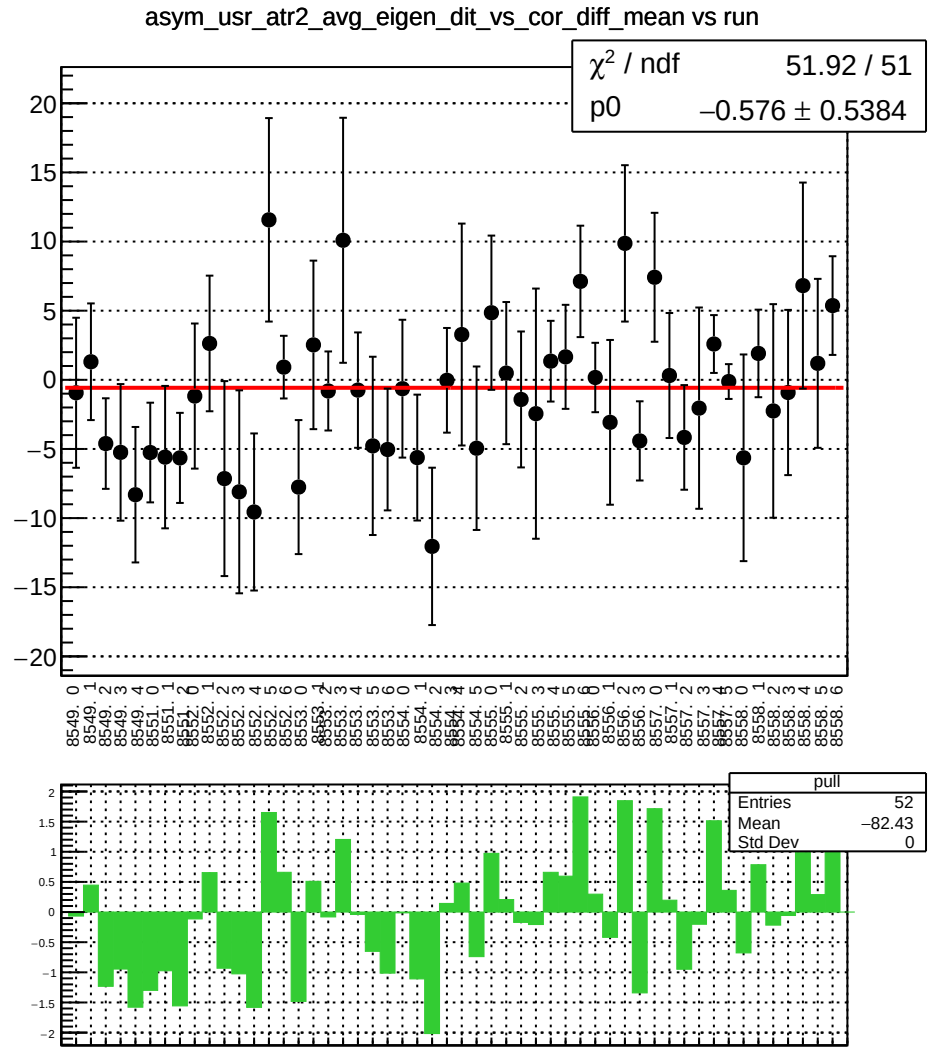

pull1D
Entries 52
Mean −0.05652
Std Dev 0.9976

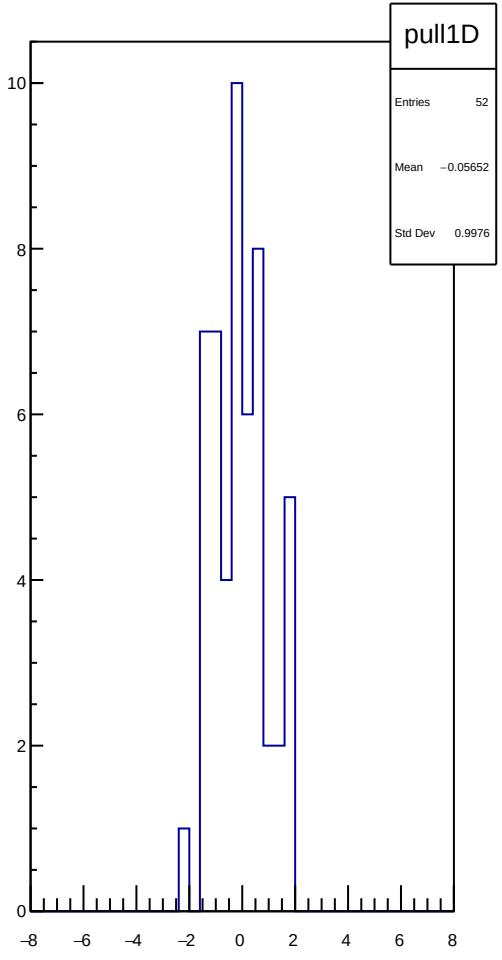

asym_usr_atr2_avg_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.652e+05 / 51
p0 353.4 ± 0.3807
900
800
700
600
500
400
300
200
100
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 5
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

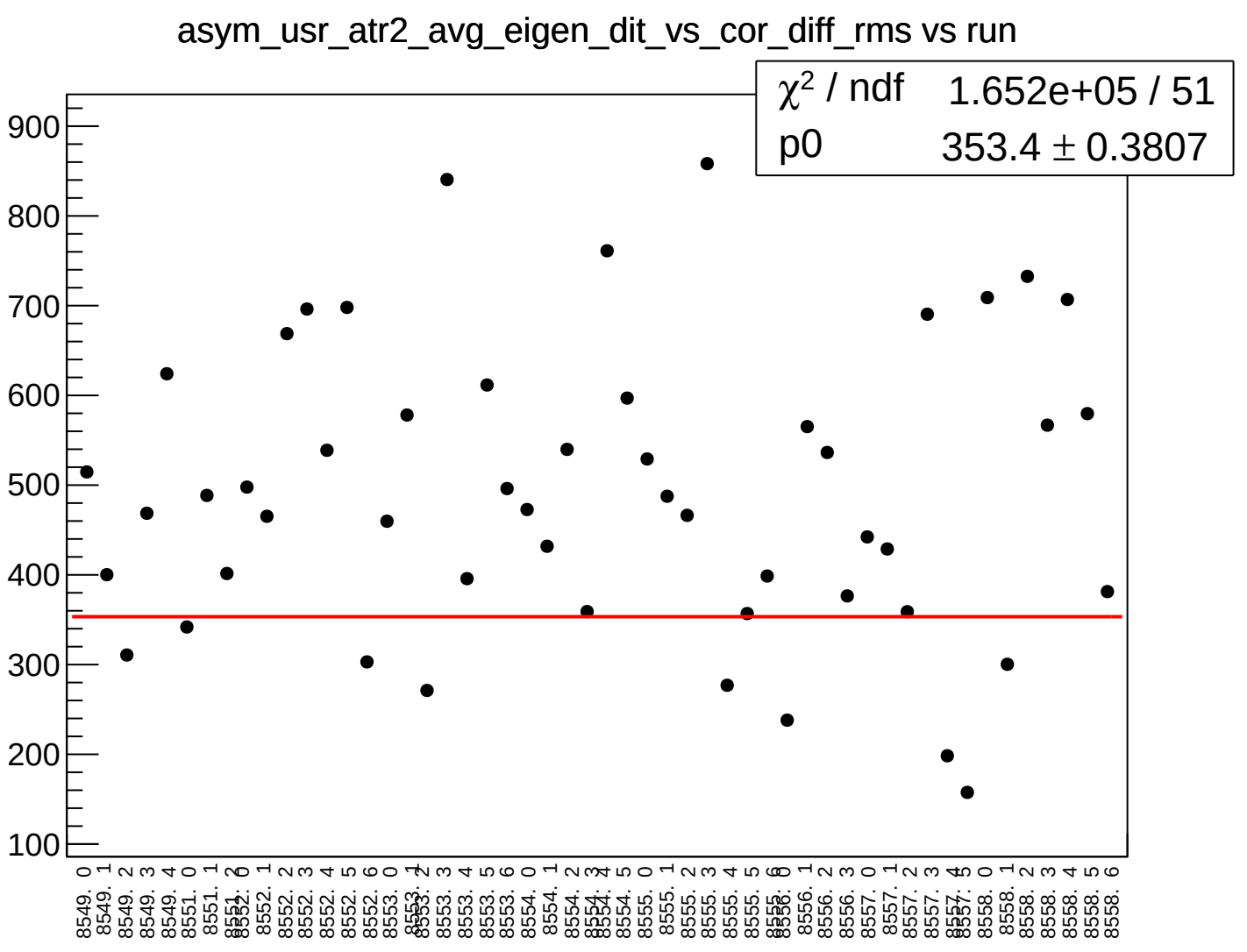

asym_usr_atr2_avg_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 55.78 / 51
p0 4.89e−06 ± 5.821e−06
pull
Entries 52
Mean −5.614
Std Dev 0

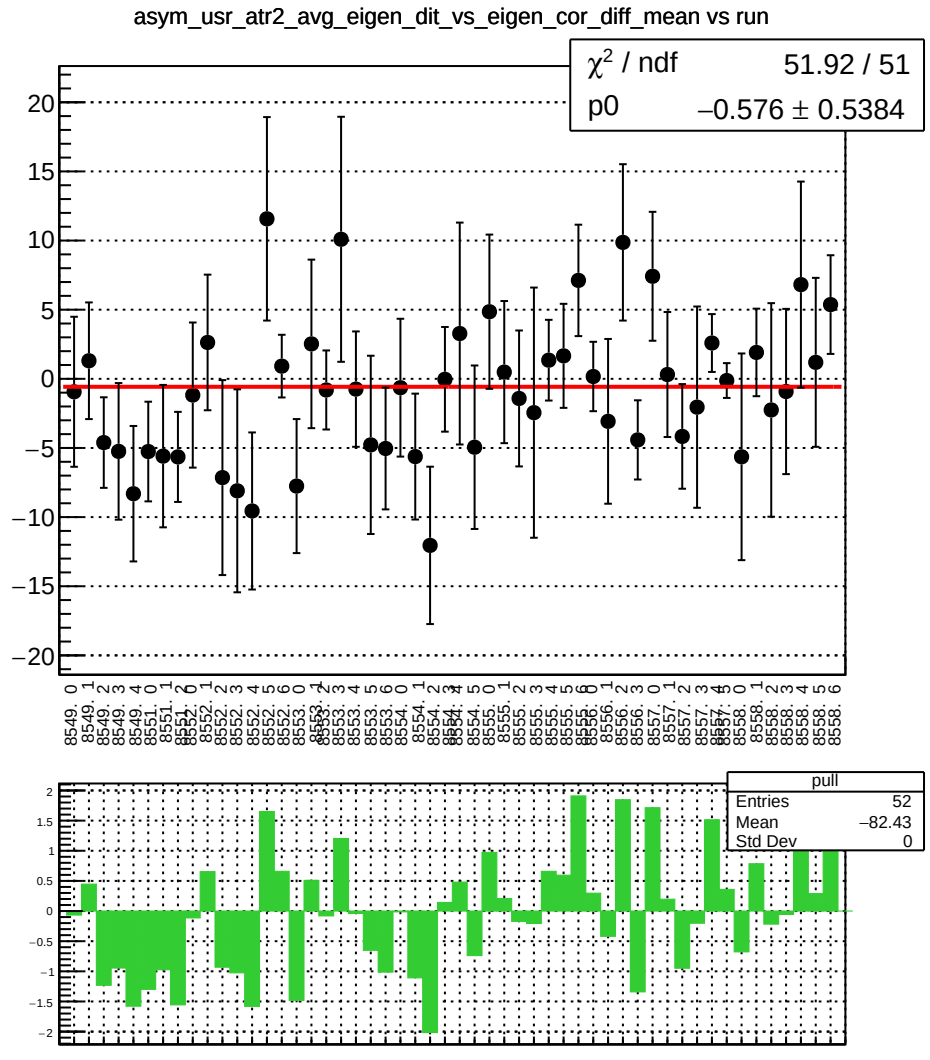

pull1D
Entries 52
Mean 0.01841
Std Dev 1.036

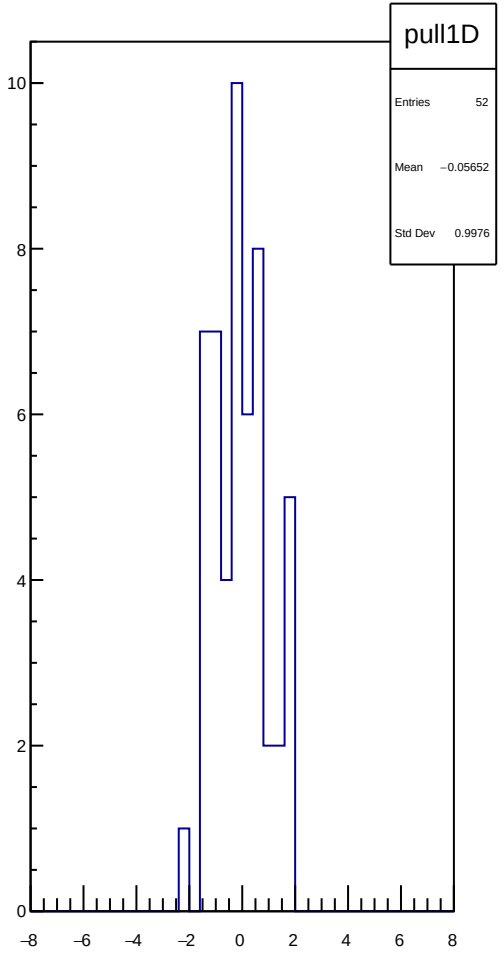

asym_usr_atr2_avg_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 2929 / 51
p0 0.004165 ± 4.116e−06
0.0048
0.0046
0.0044
0.0042
0.004
0.0038
0.0036
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

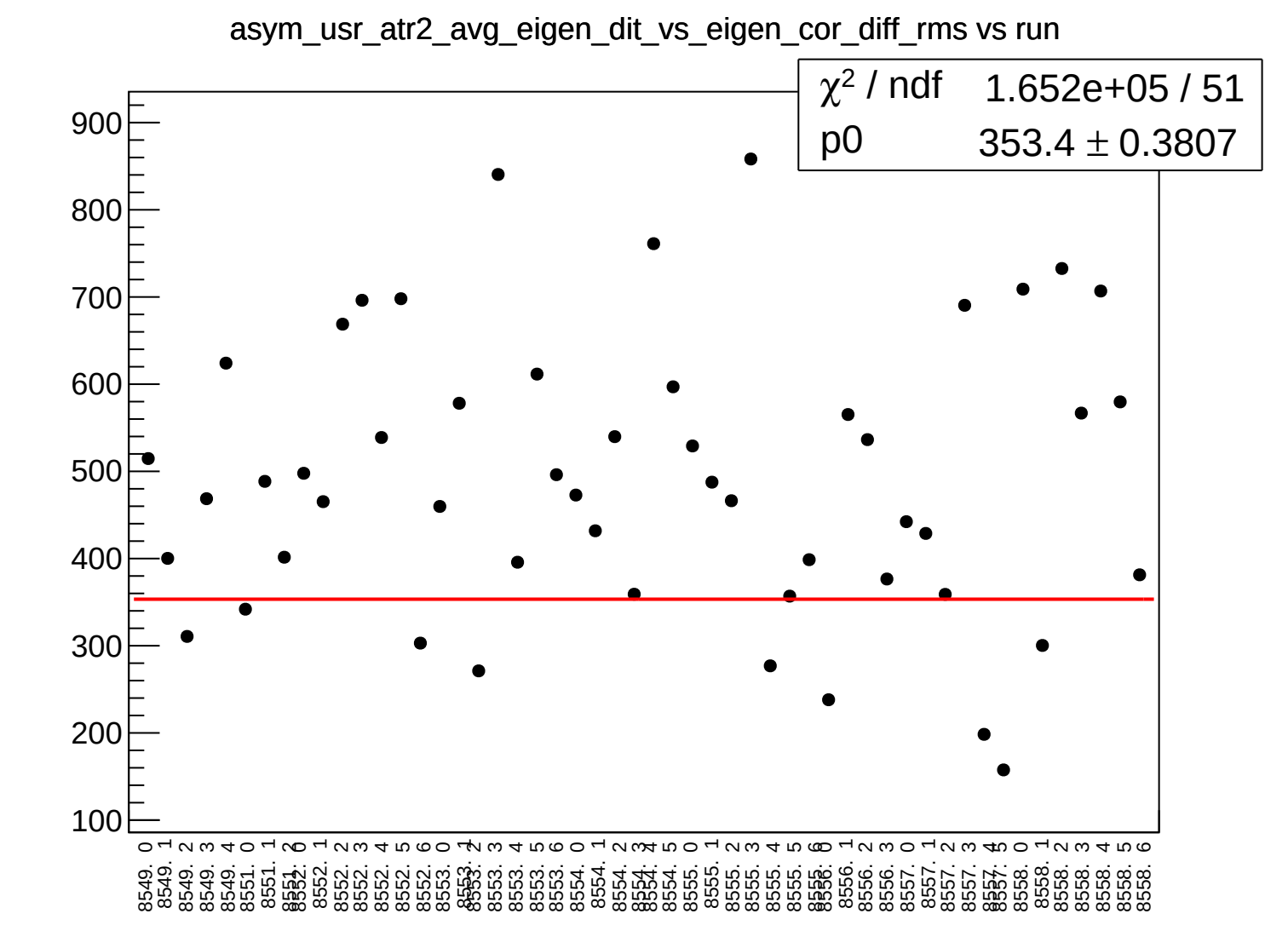

asym_usr_atr2_avg_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 51.92 / 51
p0 −0.576 ± 0.5384
pull
Entries 52
Mean −82.43
Std Dev 0

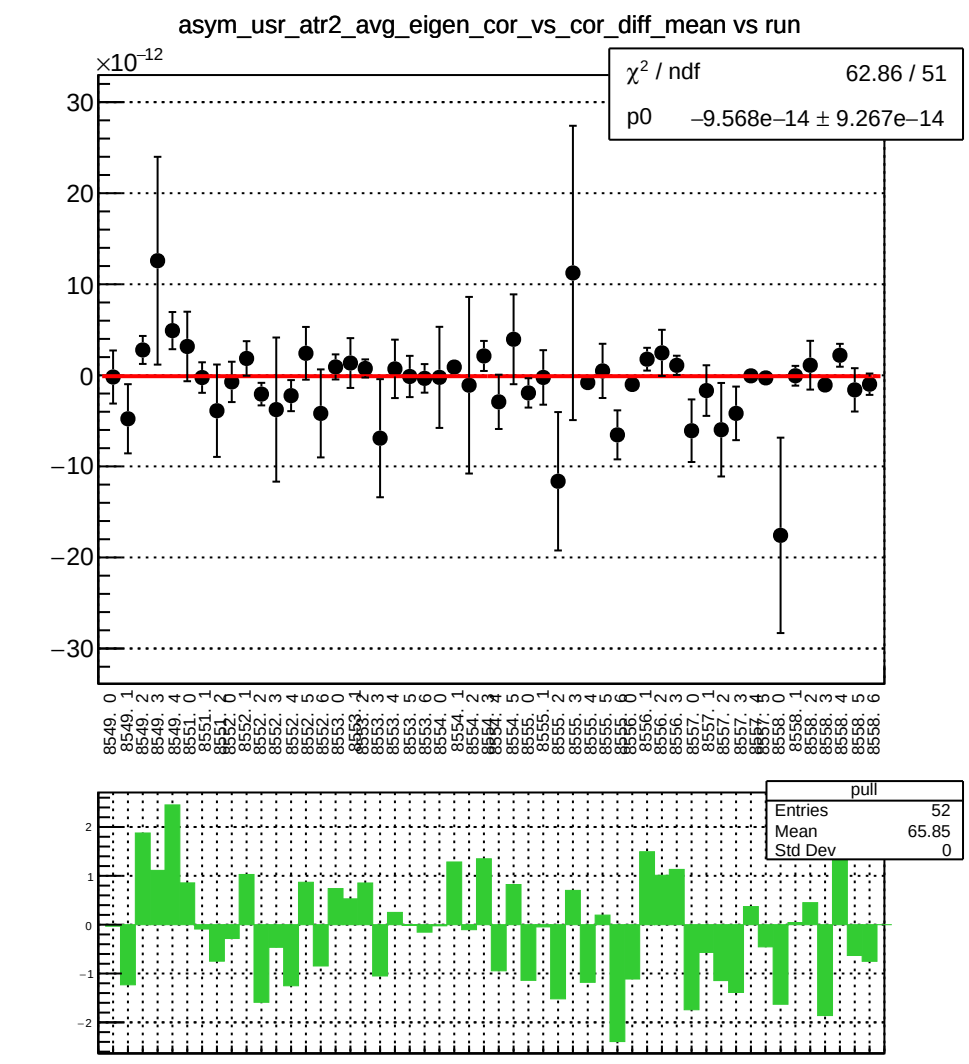

pull1D
Entries 52
Mean −0.05652
Std Dev 0.9976

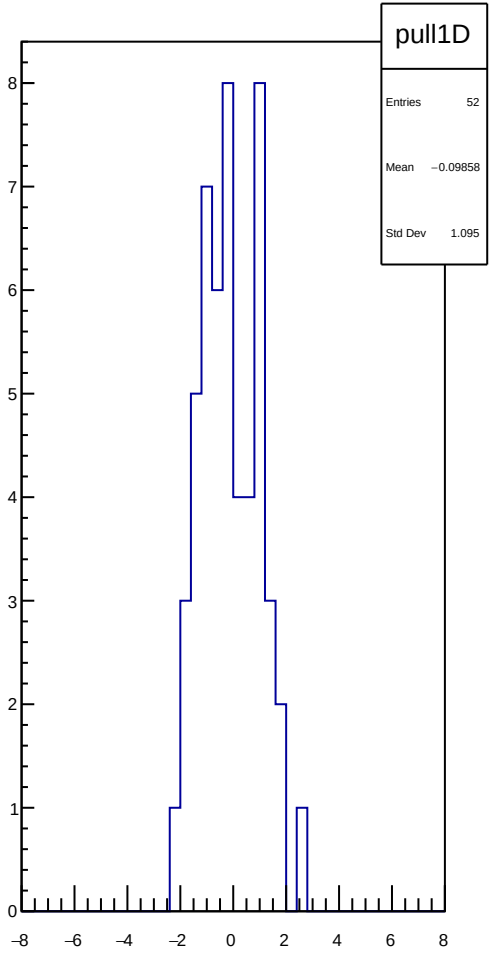

asym_usr_atr2_avg_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 1.652e+05 / 51
p0 353.4 ± 0.3807
900
800
700
600
500
400
300
200
100
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 5
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

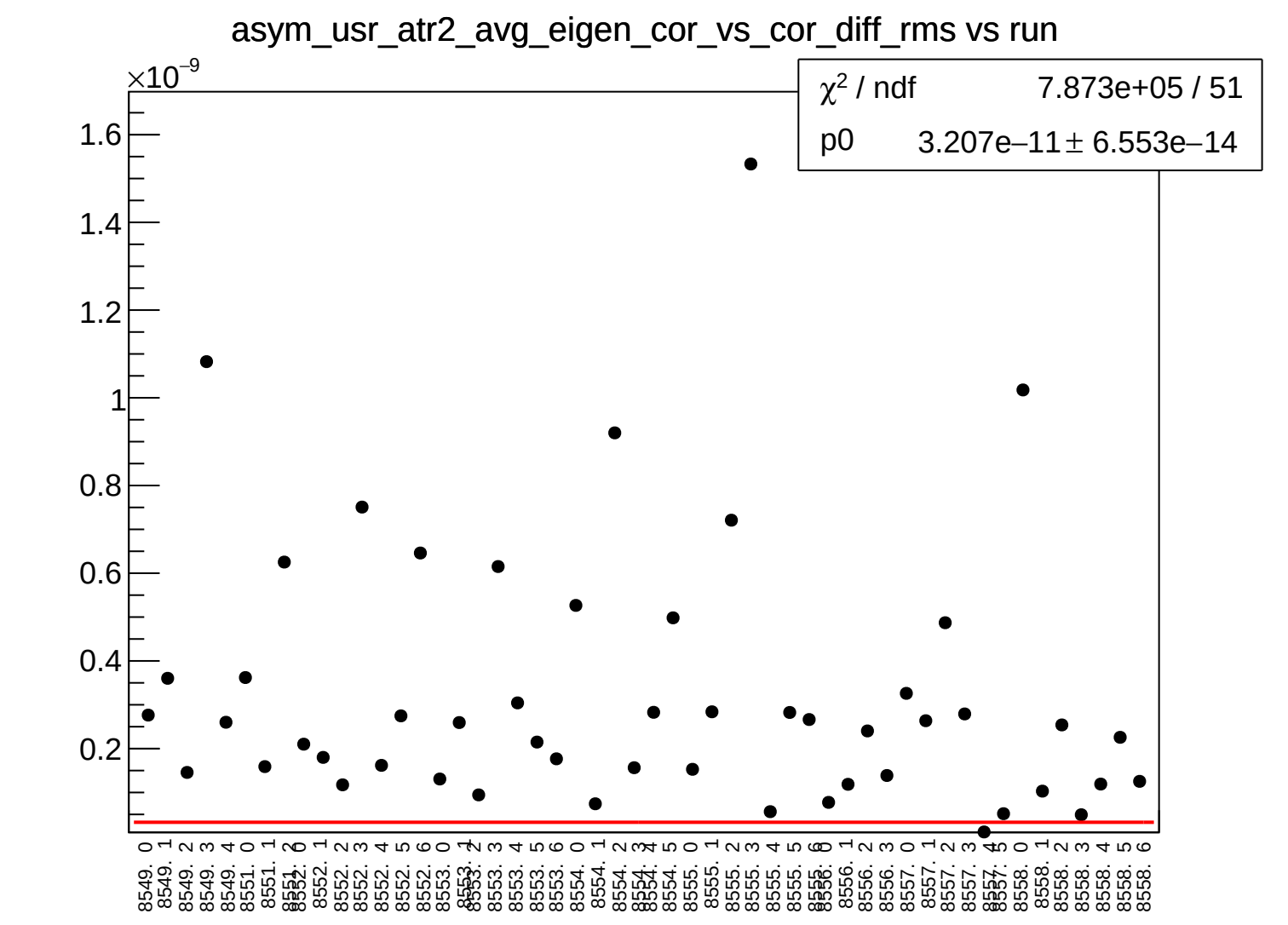

asym_usr_atr2_avg_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 51.92 / 51
p0 −0.576 ± 0.5384
pull
Entries 52
Mean −82.43
Std Dev 0

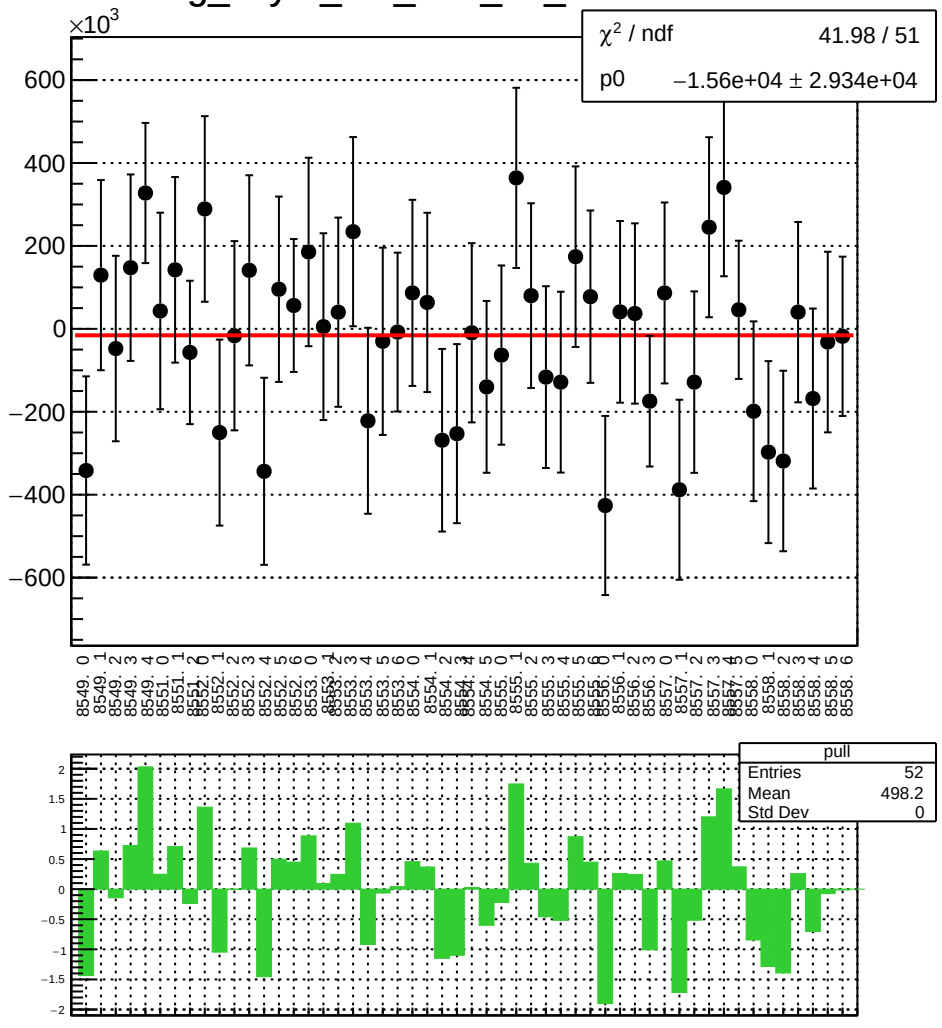

pull1D
Entries 52
Mean −0.05652
Std Dev 0.9976

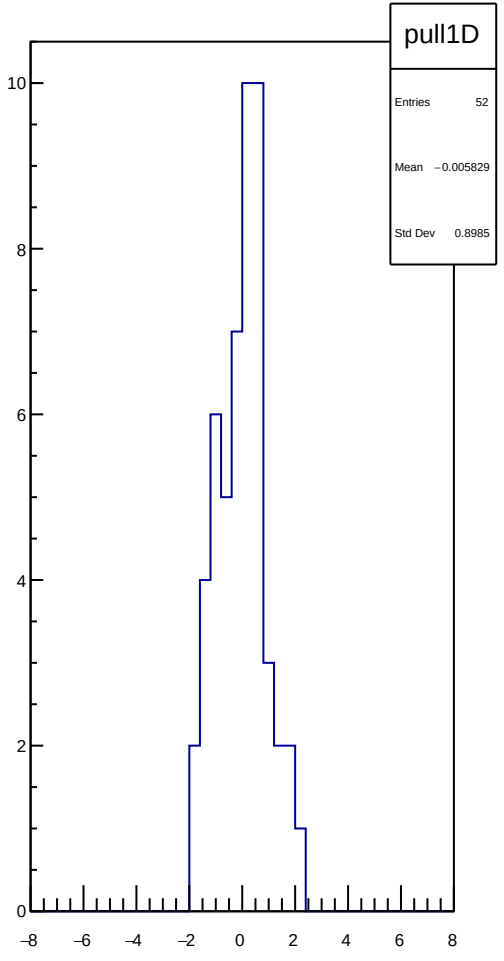

asym_usr_atr2_avg_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.652e+05 / 51
p0 353.4 ± 0.3807
900
800
700
600
500
400
300
200
100
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 5
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

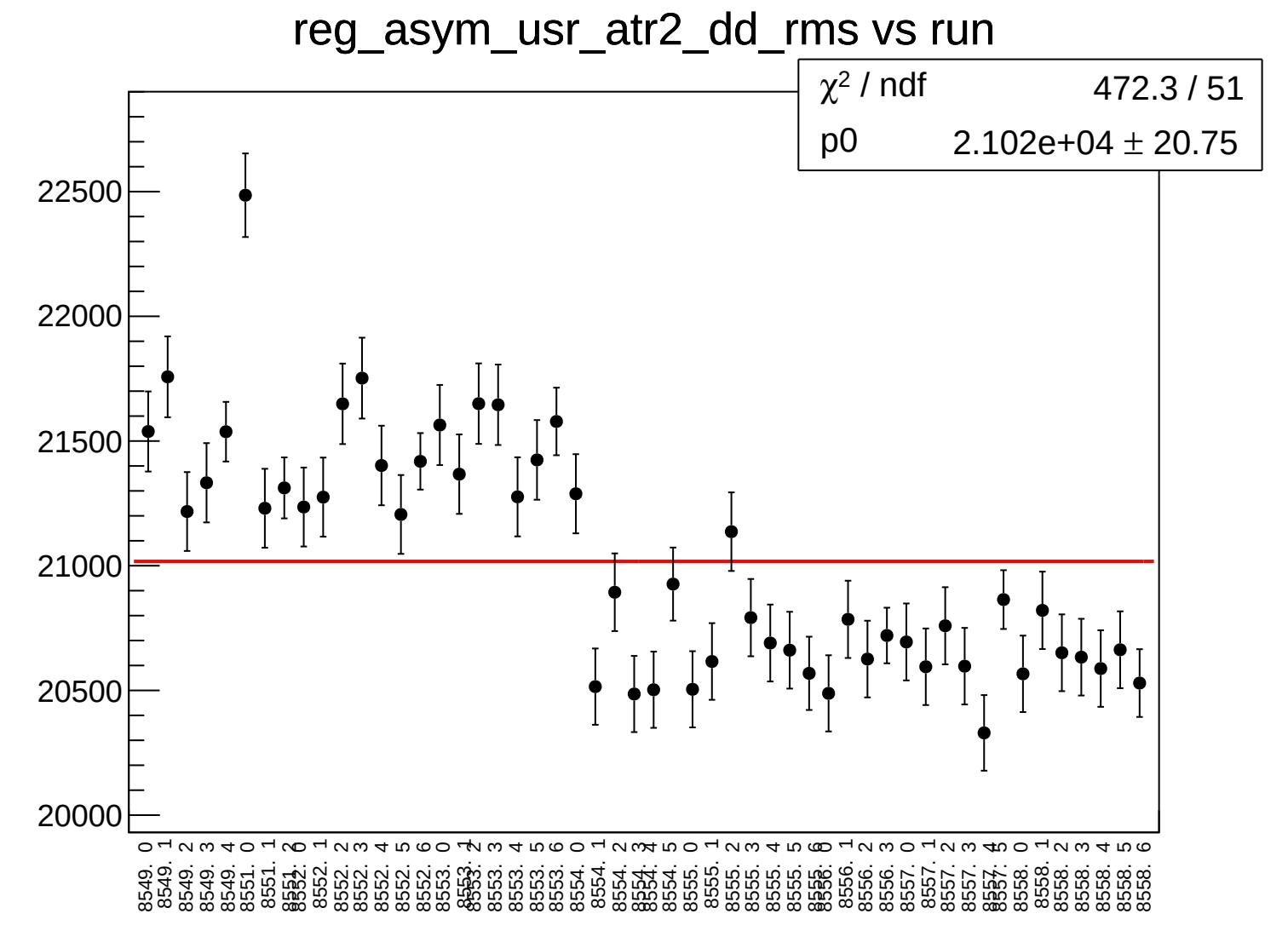

asym_usr_atr2_avg_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 62.86 / 51
p0 −9.568e−14 ± 9.267e−14
pull
Entries 52
Mean 65.85
Std Dev 0

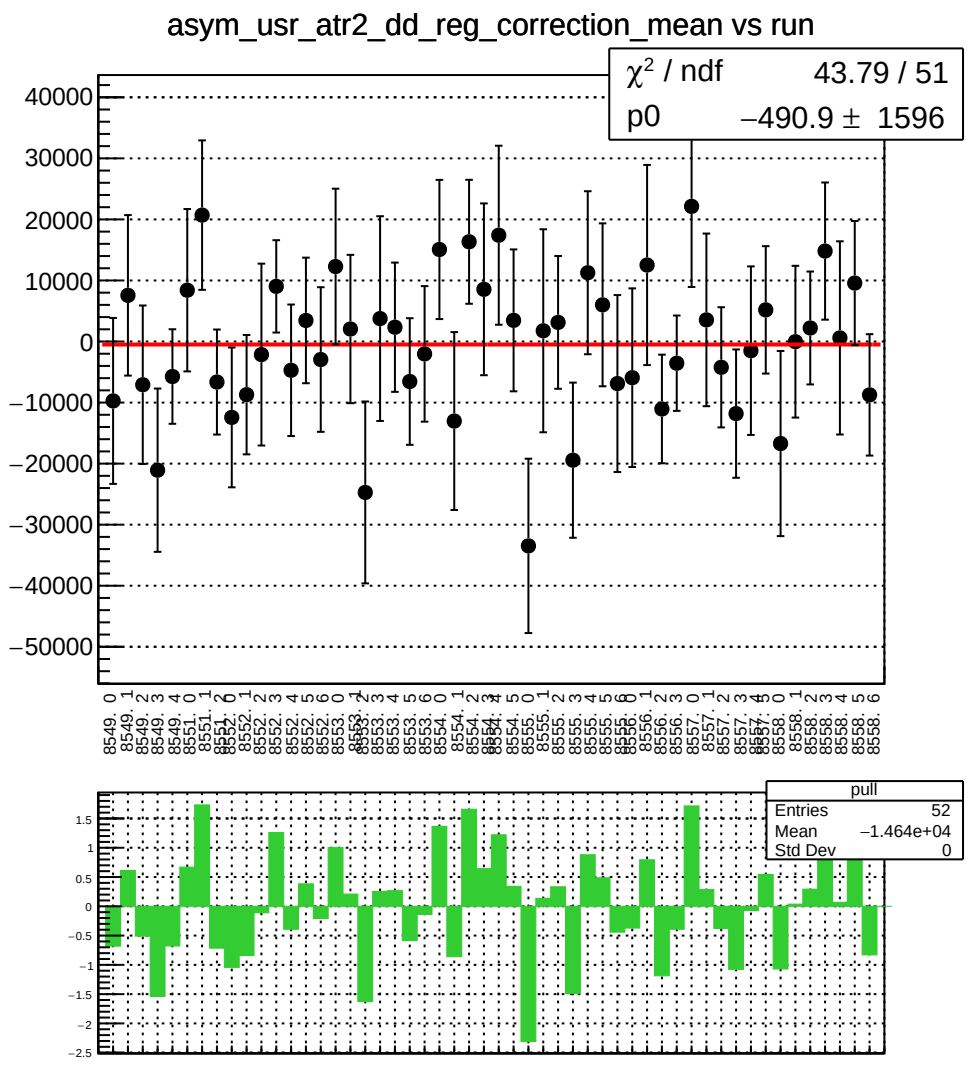

pull1D
Entries 52
Mean −0.09858
Std Dev 1.095

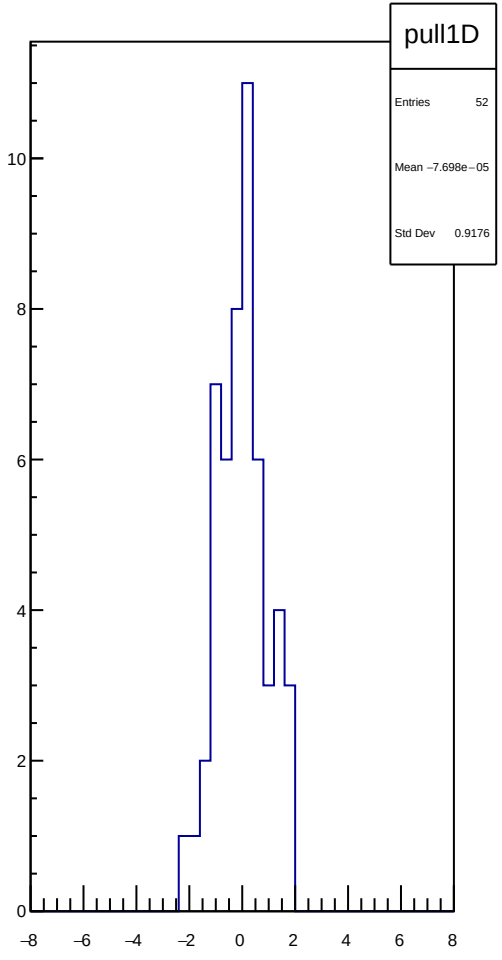

asym_usr_atr2_avg_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 7.873e+05 / 51
p0 3.207e−11 ± 6.553e−14
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

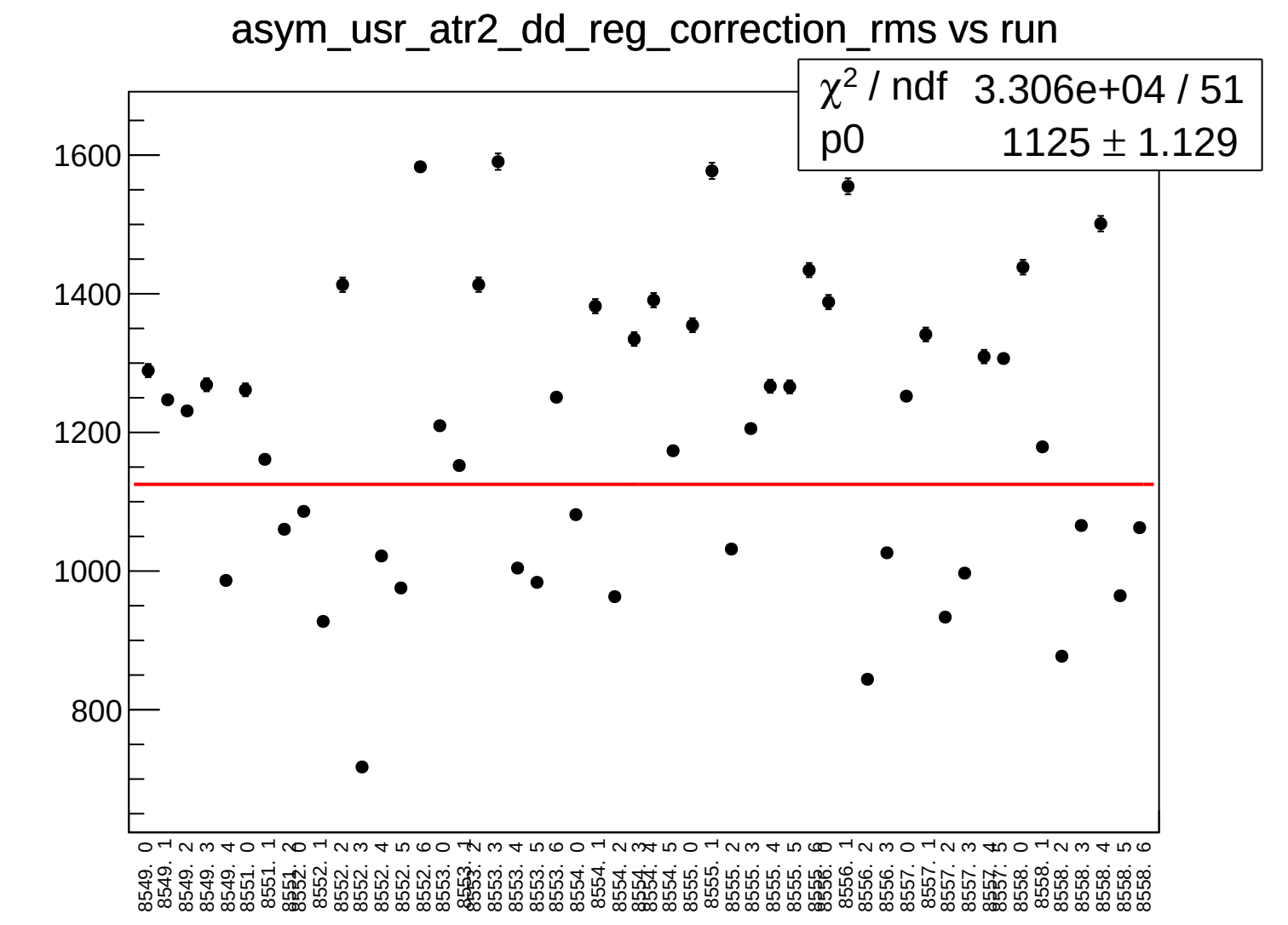

reg_asym_usr_atr2_dd_mean vs run
×10^3
χ² / ndf 41.98 / 51
p0 −1.56e+04 ± 2.934e+04
pull
Entries 52
Mean 498.2
Std Dev 0

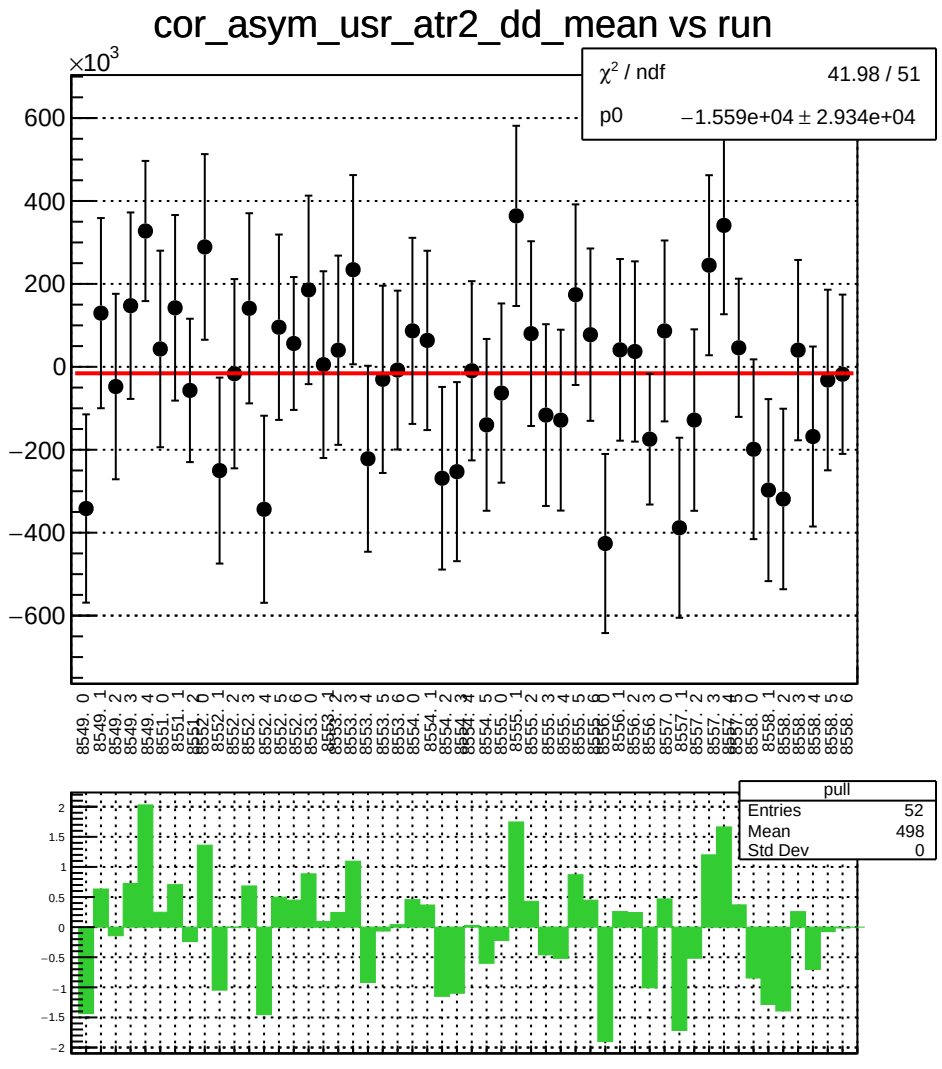

pull1D
Entries 52
Mean −0.005829
Std Dev 0.8985

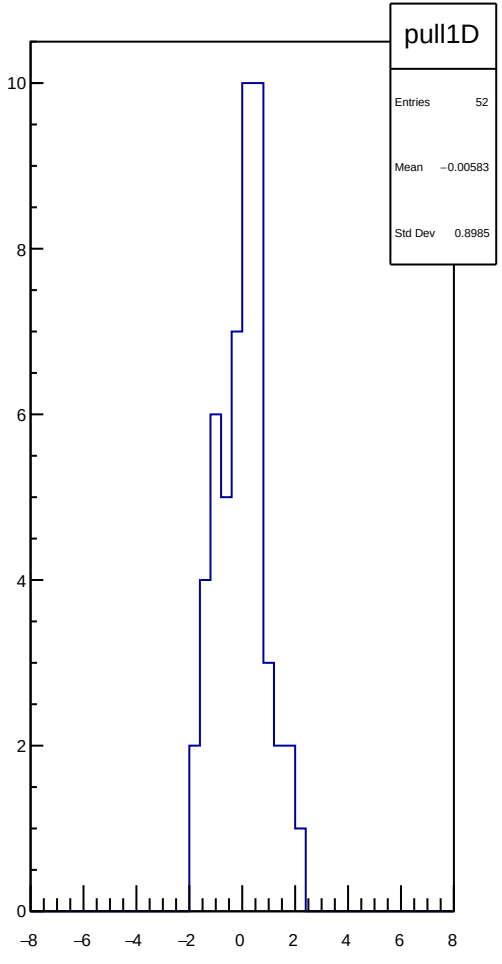

reg_asym_usr_atr2_dd_rms vs run
χ² / ndf 472.3 / 51
p0 2.102e+04 ± 20.75
22500
22000
21500
21000
20500
20000
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

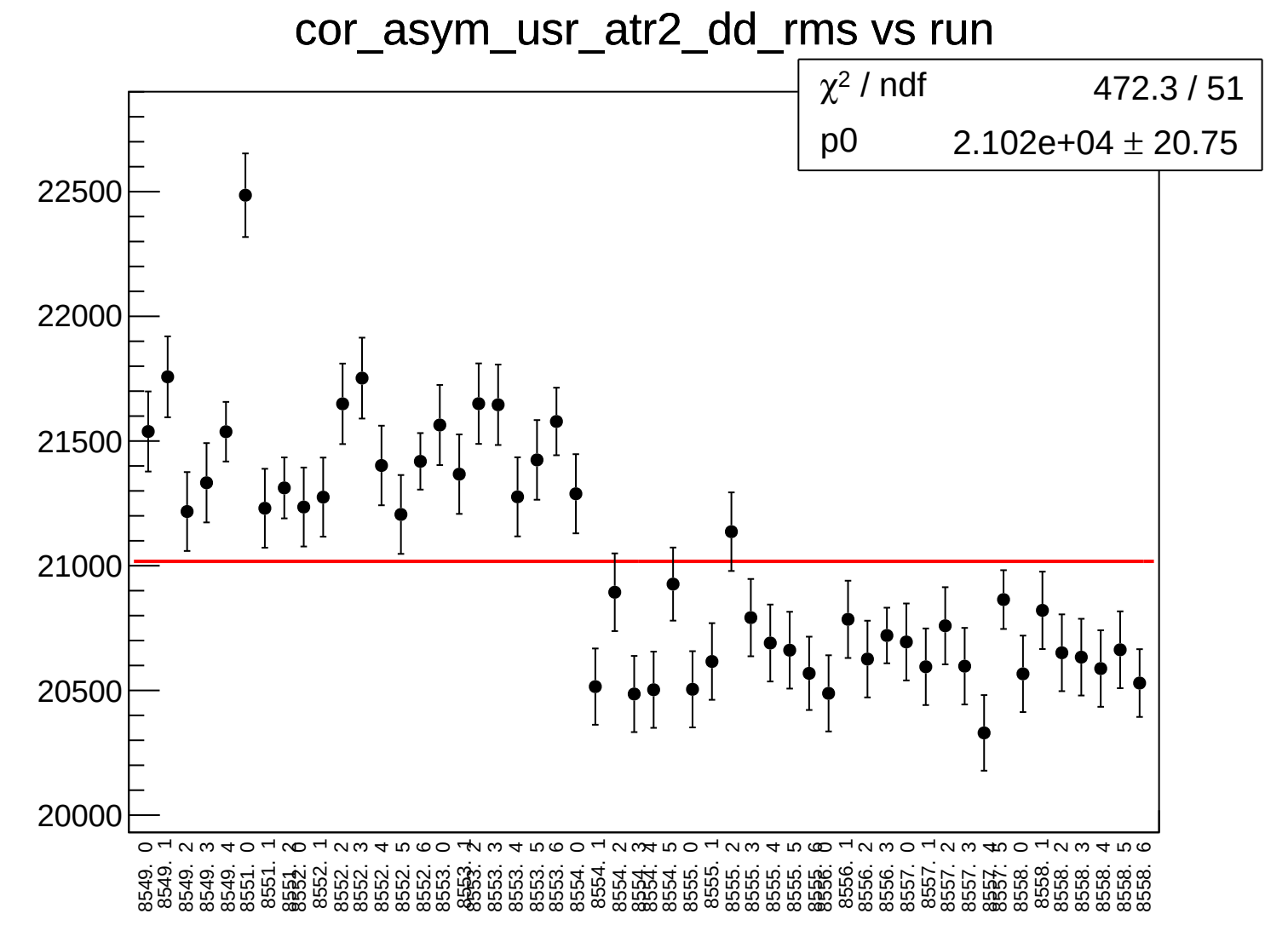

asym_usr_atr2_dd_reg_correction_mean vs run
χ² / ndf 43.79 / 51
p0 −490.9 ± 1596
pull
Entries 52
Mean −1.464e+04
Std Dev 0

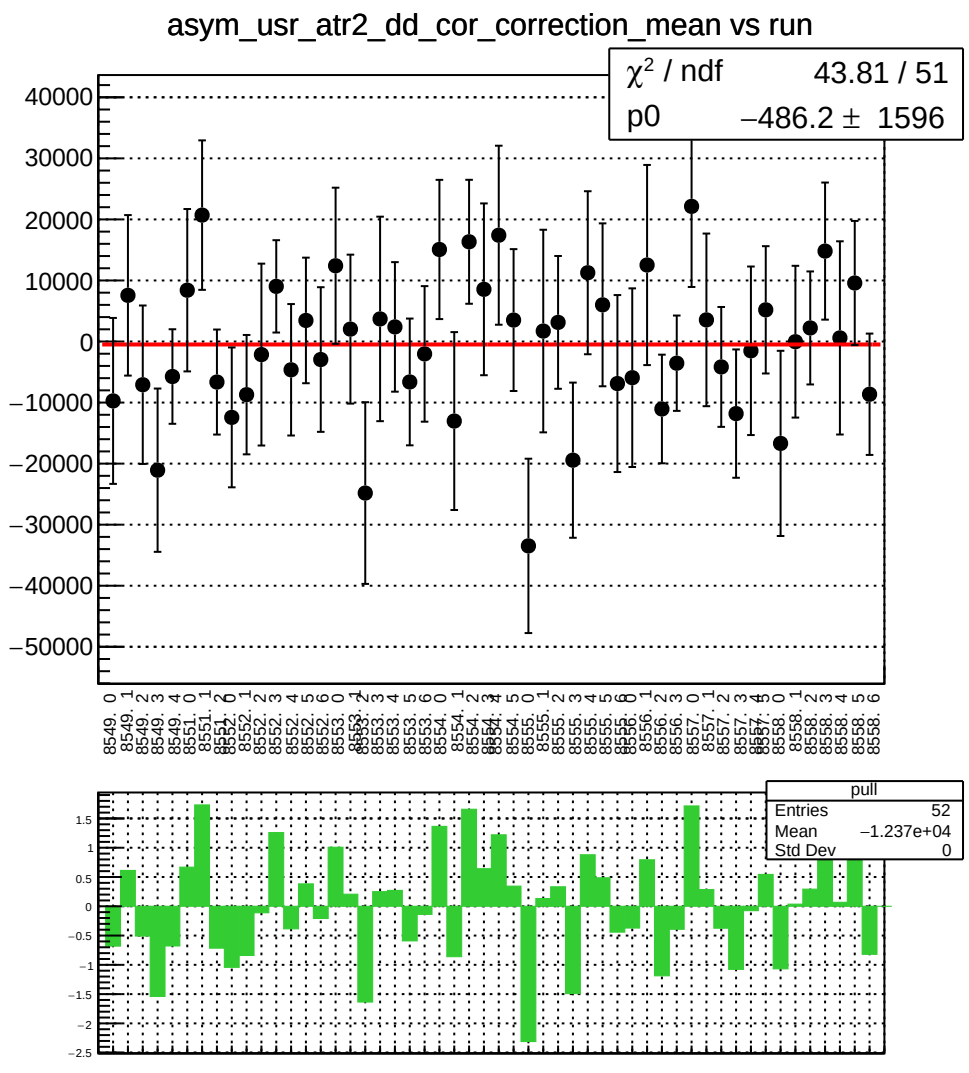

pull1D
Entries 52
Mean −7.698e−05
Std Dev 0.9176

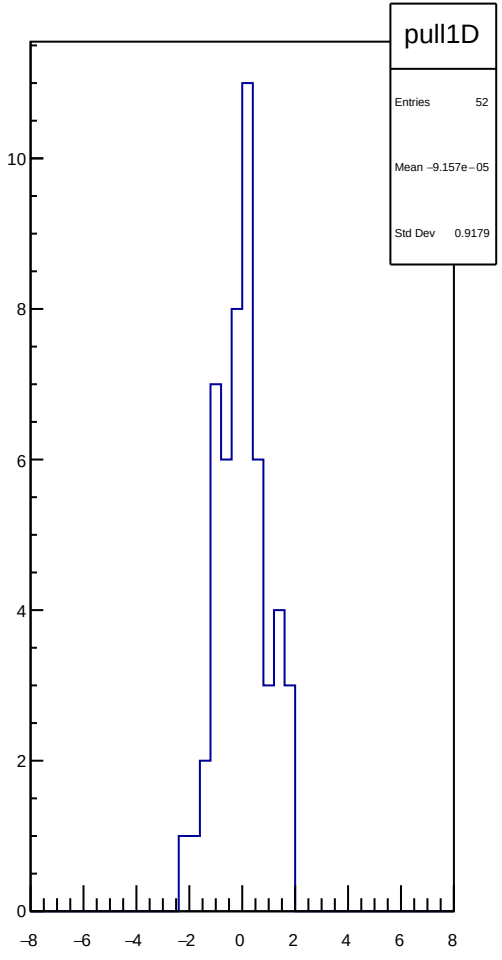

asym_usr_atr2_dd_reg_correction_rms vs run
χ² / ndf 3.306e+04 / 51
p0 1125 ± 1.129
1600
1400
1200
1000
800
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

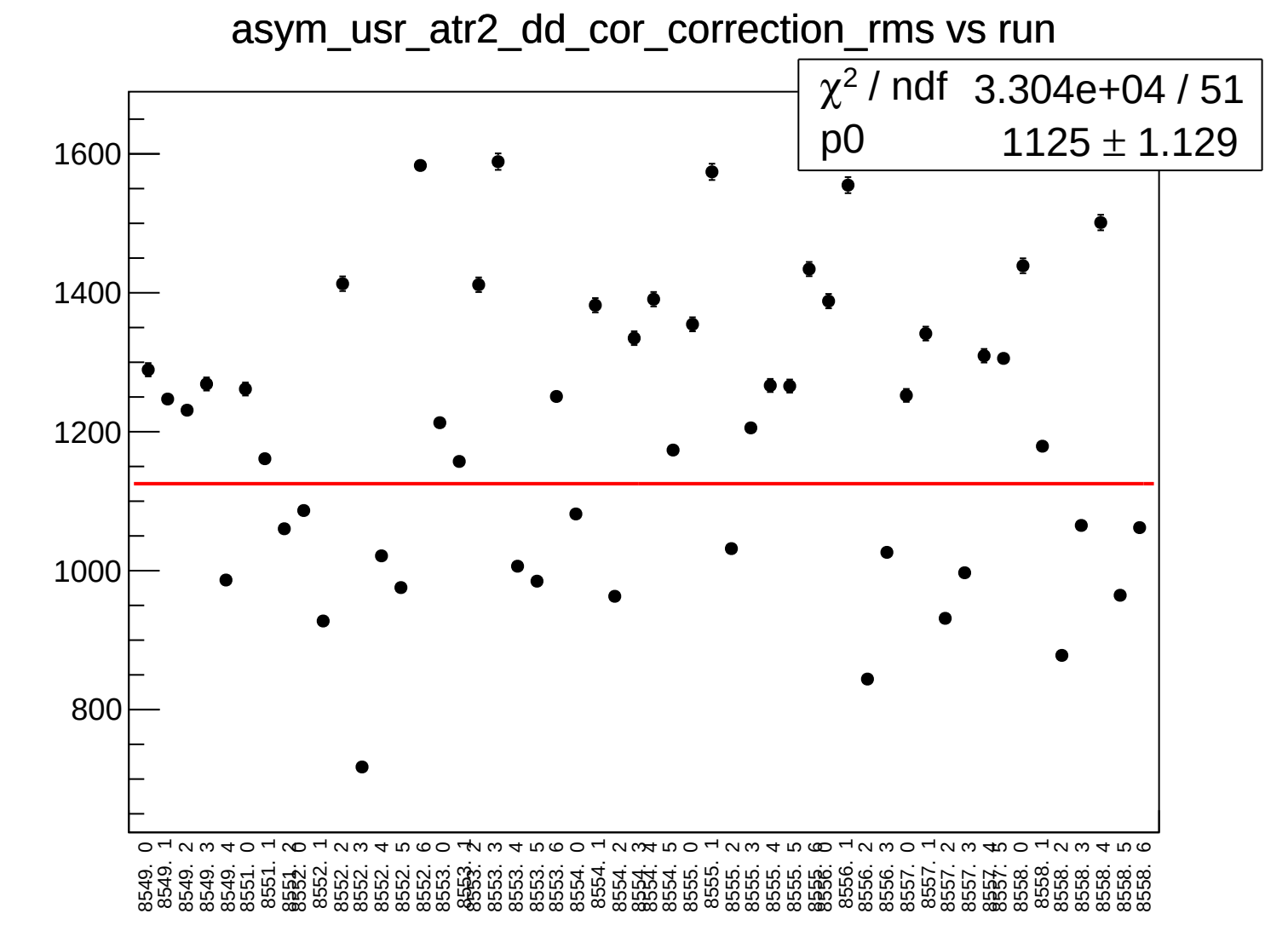

cor_asym_usr_atr2_dd_mean vs run
×10^3
χ² / ndf 41.98 / 51
p0 −1.559e+04 ± 2.934e+04
pull
Entries 52
Mean 498
Std Dev 0

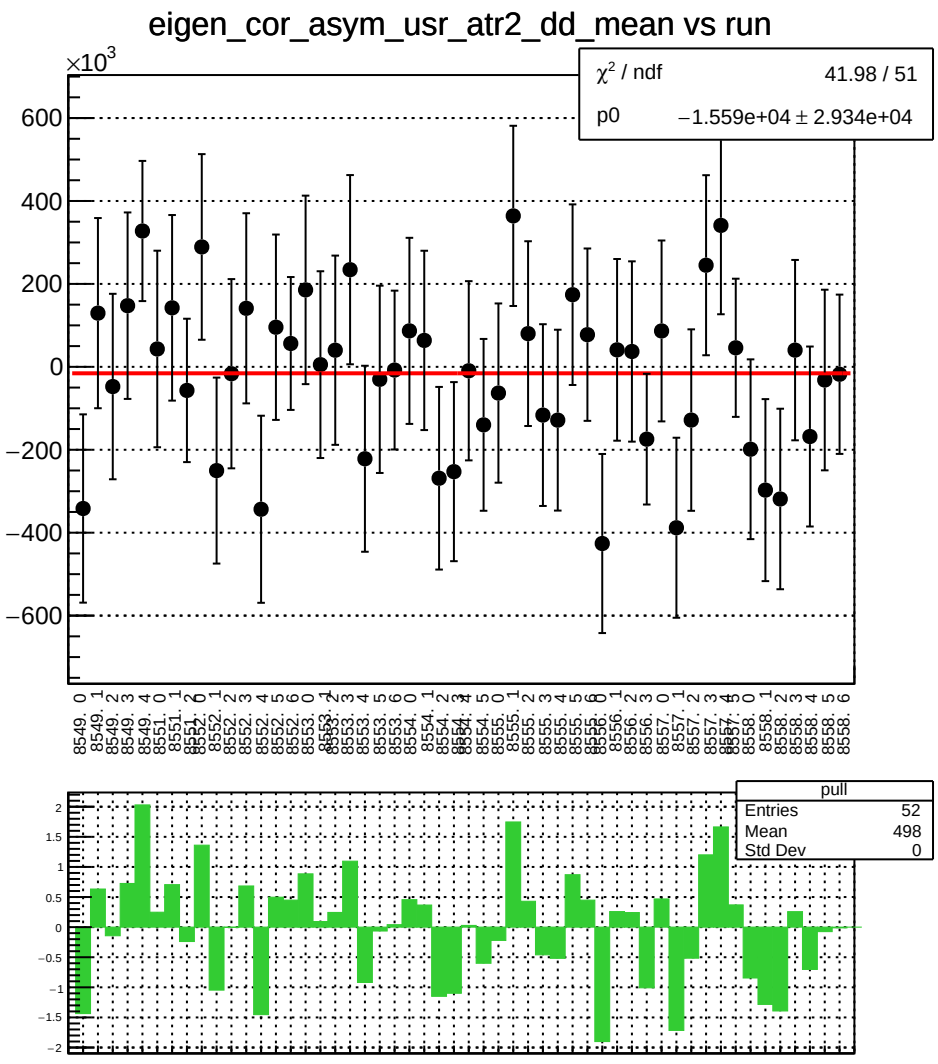

pull1D
Entries 52
Mean −0.00583
Std Dev 0.8985

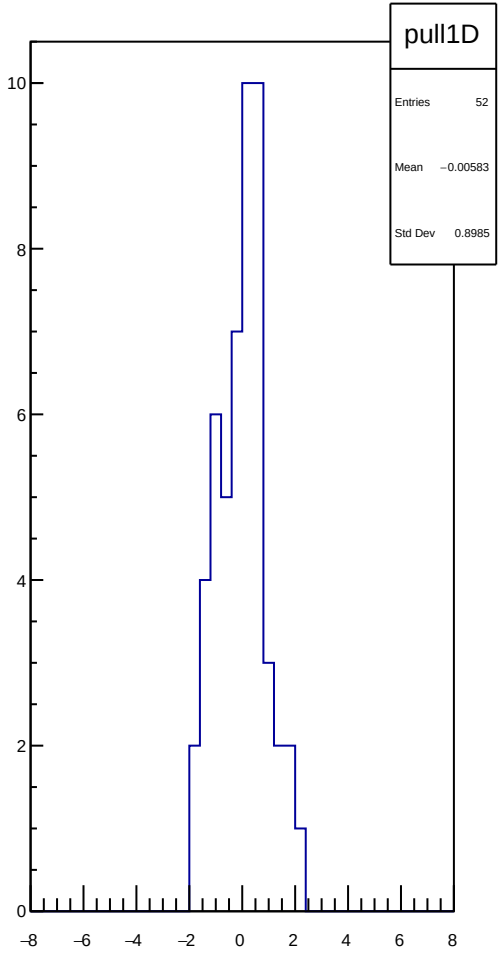

cor_asym_usr_atr2_dd_rms vs run
χ² / ndf 472.3 / 51
p0 2.102e+04 ± 20.75
22500
22000
21500
21000
20500
20000
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

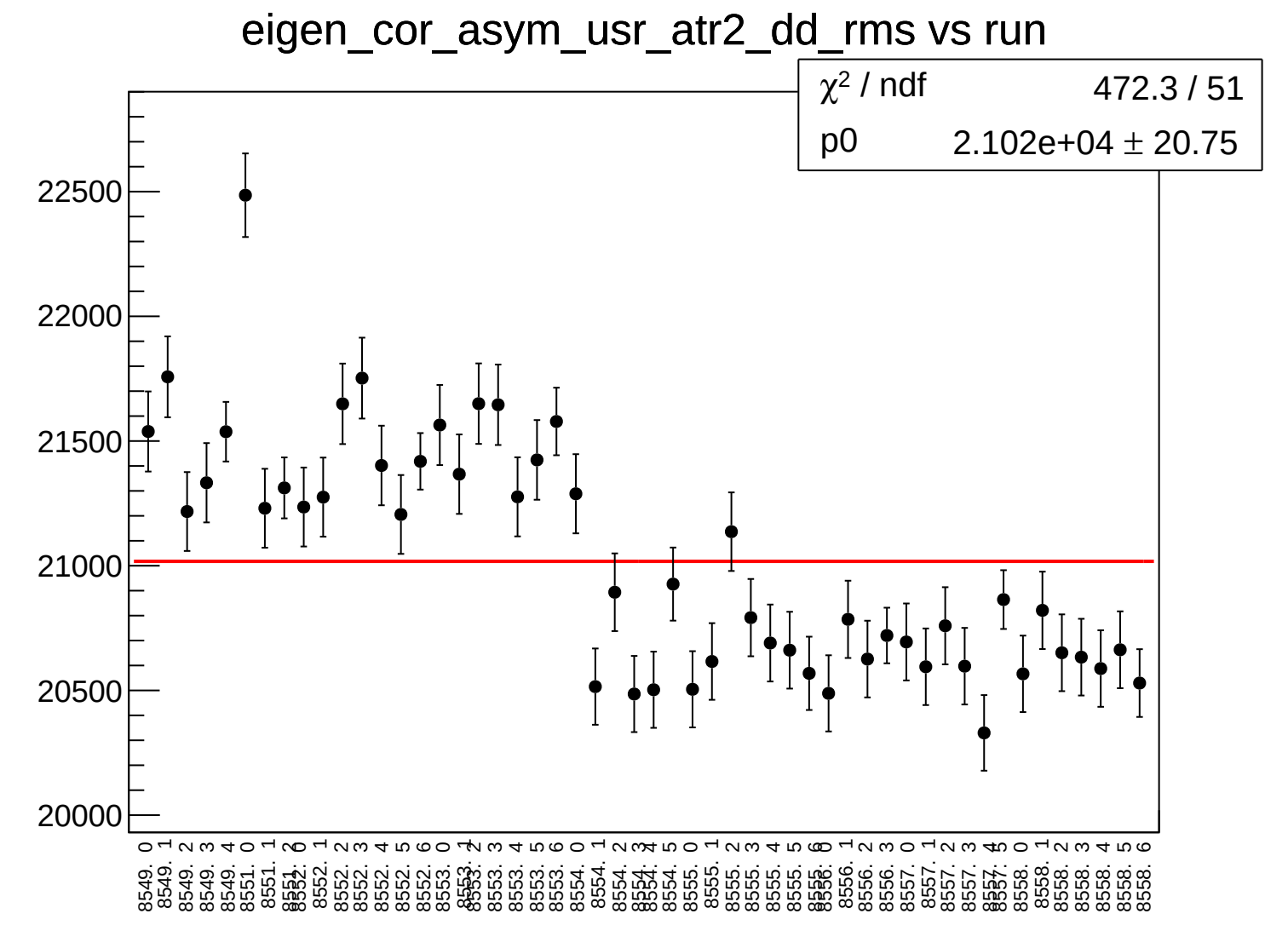

asym_usr_atr2_dd_cor_correction_mean vs run
χ² / ndf 43.81 / 51
p0 −486.2 ± 1596
pull
Entries 52
Mean −1.237e+04
Std Dev 0

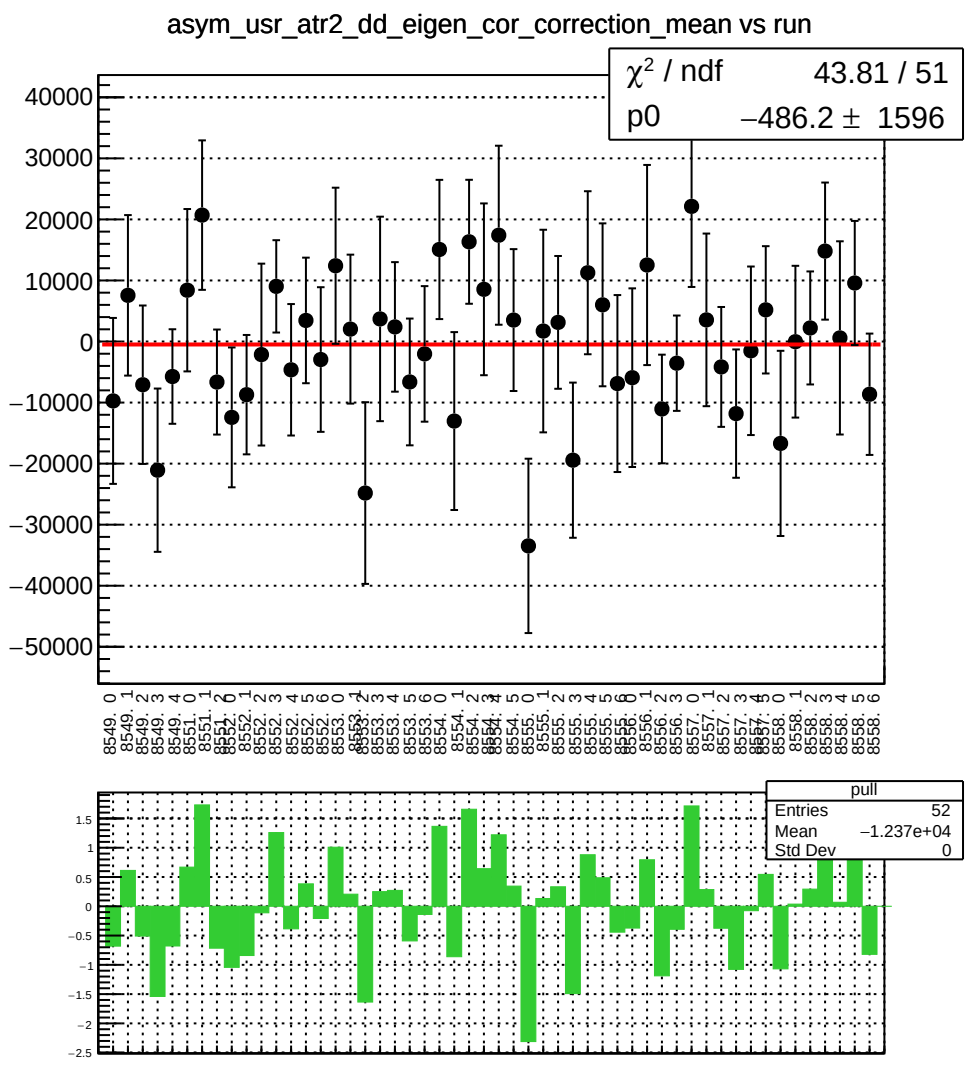

pull1D
Entries 52
Mean −9.157e−05
Std Dev 0.9179

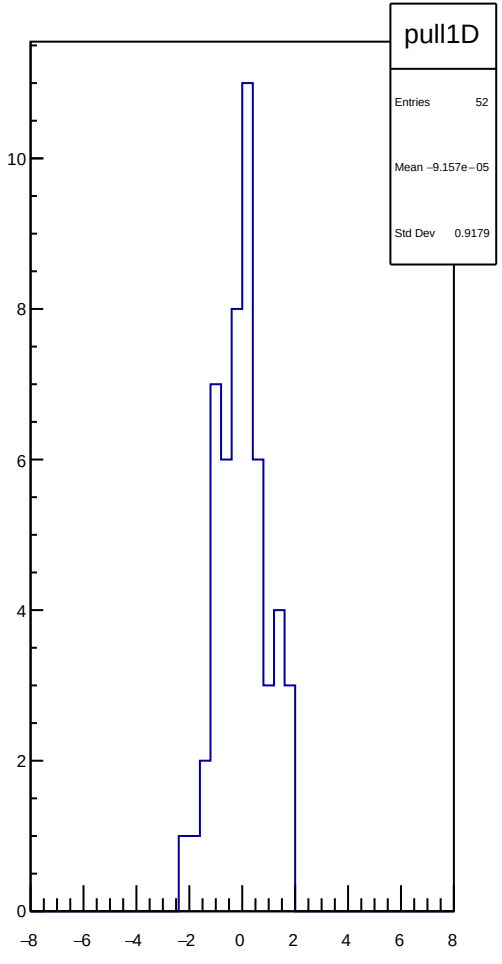

asym_usr_atr2_dd_cor_correction_rms vs run
χ² / ndf 3.304e+04 / 51
p0 1125 ± 1.129
1600
1400
1200
1000
800
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

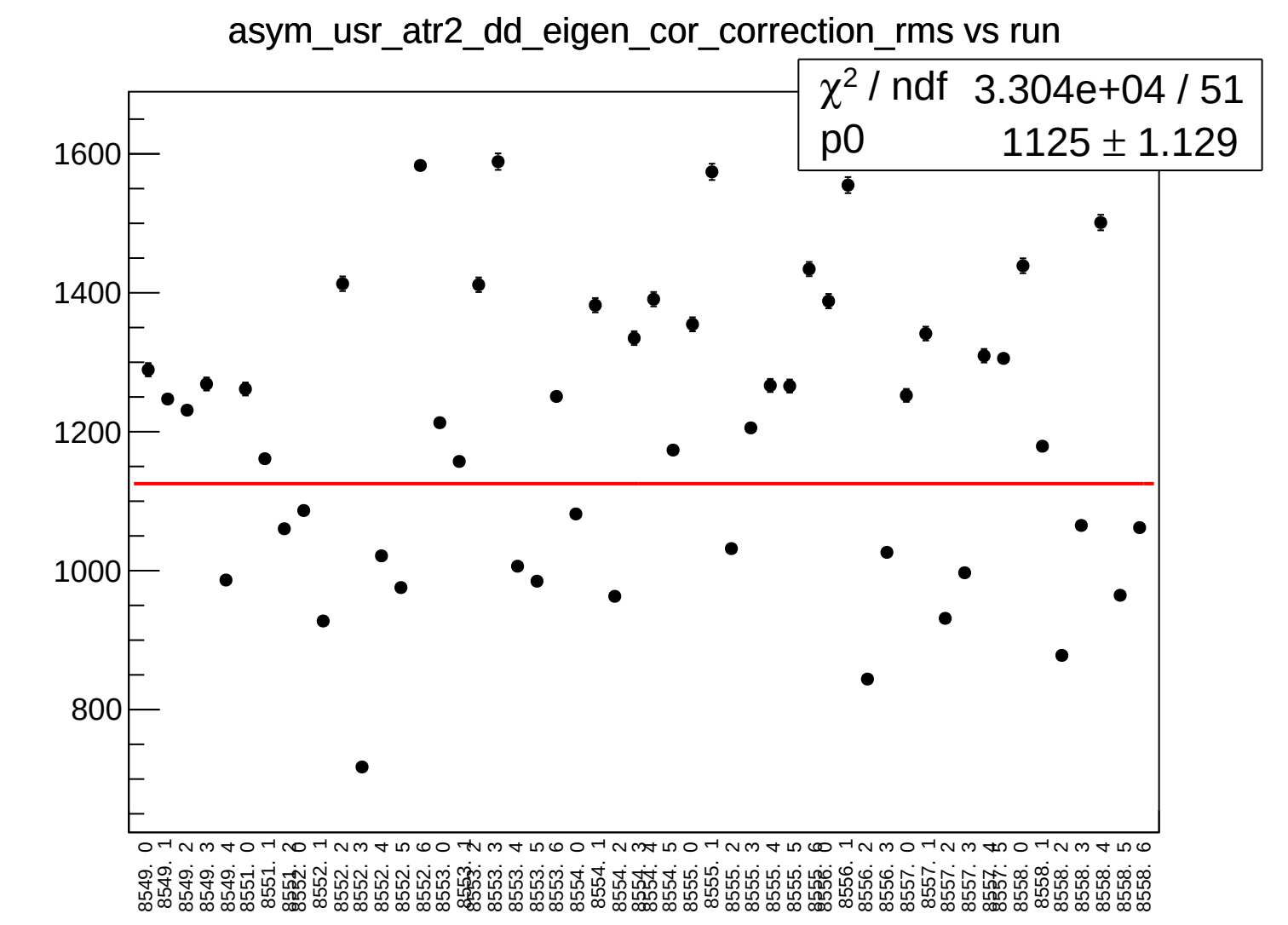

eigen_cor_asym_usr_atr2_dd_mean vs run
×10^3
χ² / ndf 41.98 / 51
p0 −1.559e+04 ± 2.934e+04
pull
Entries 52
Mean 498
Std Dev 0

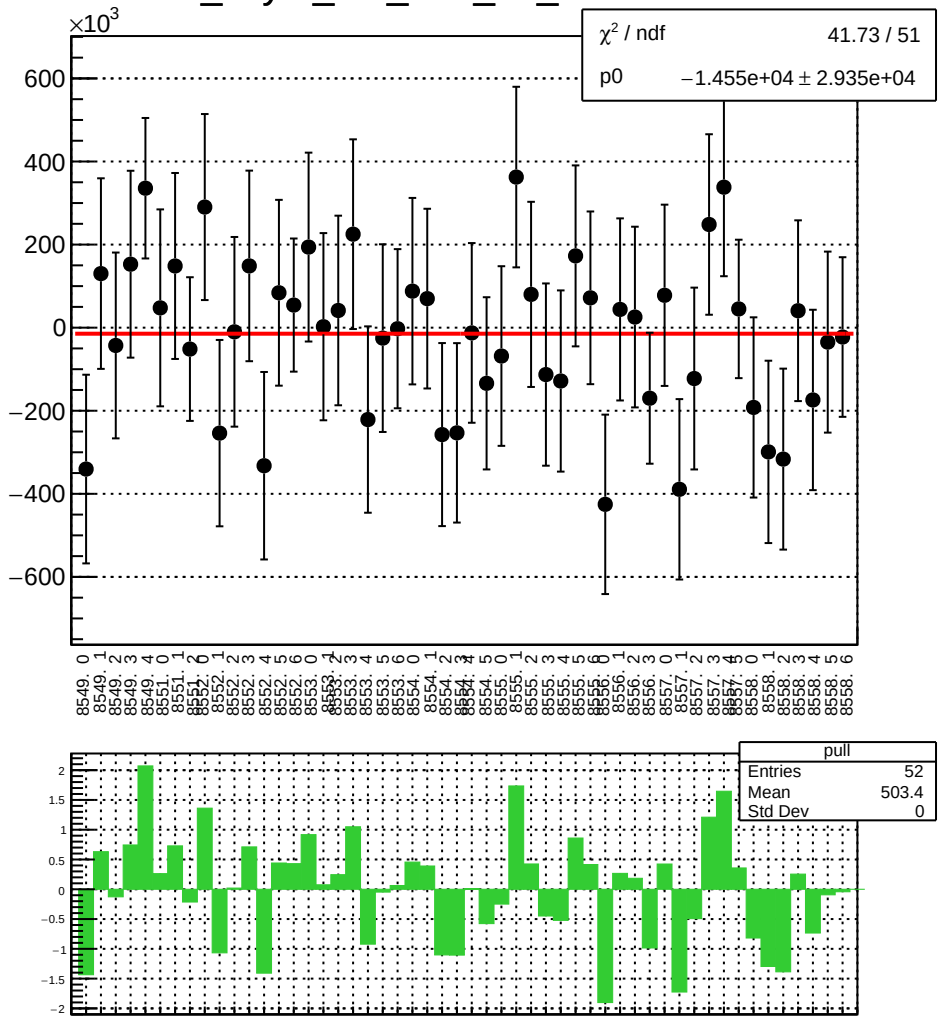

pull1D
Entries 52
Mean −0.00583
Std Dev 0.8985

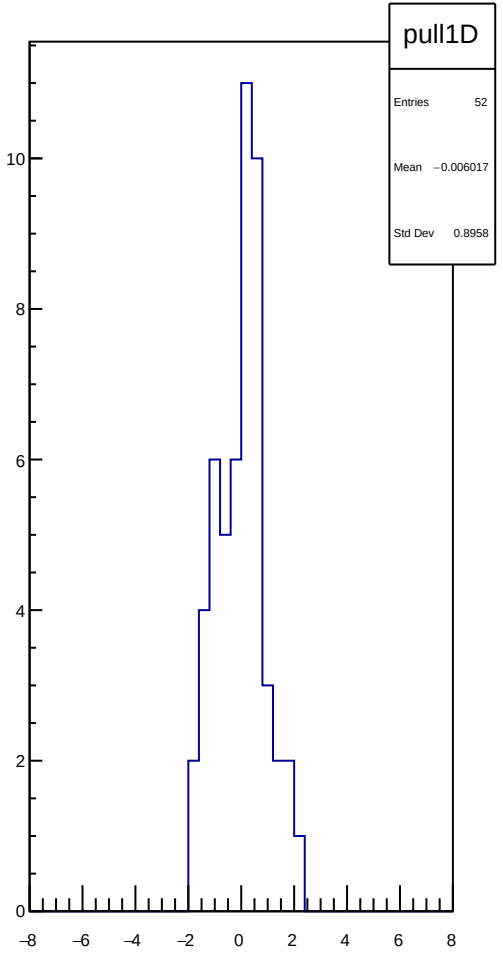

eigen_cor_asym_usr_atr2_dd_rms vs run
χ² / ndf 472.3 / 51
p0 2.102e+04 ± 20.75
22500
22000
21500
21000
20500
20000
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

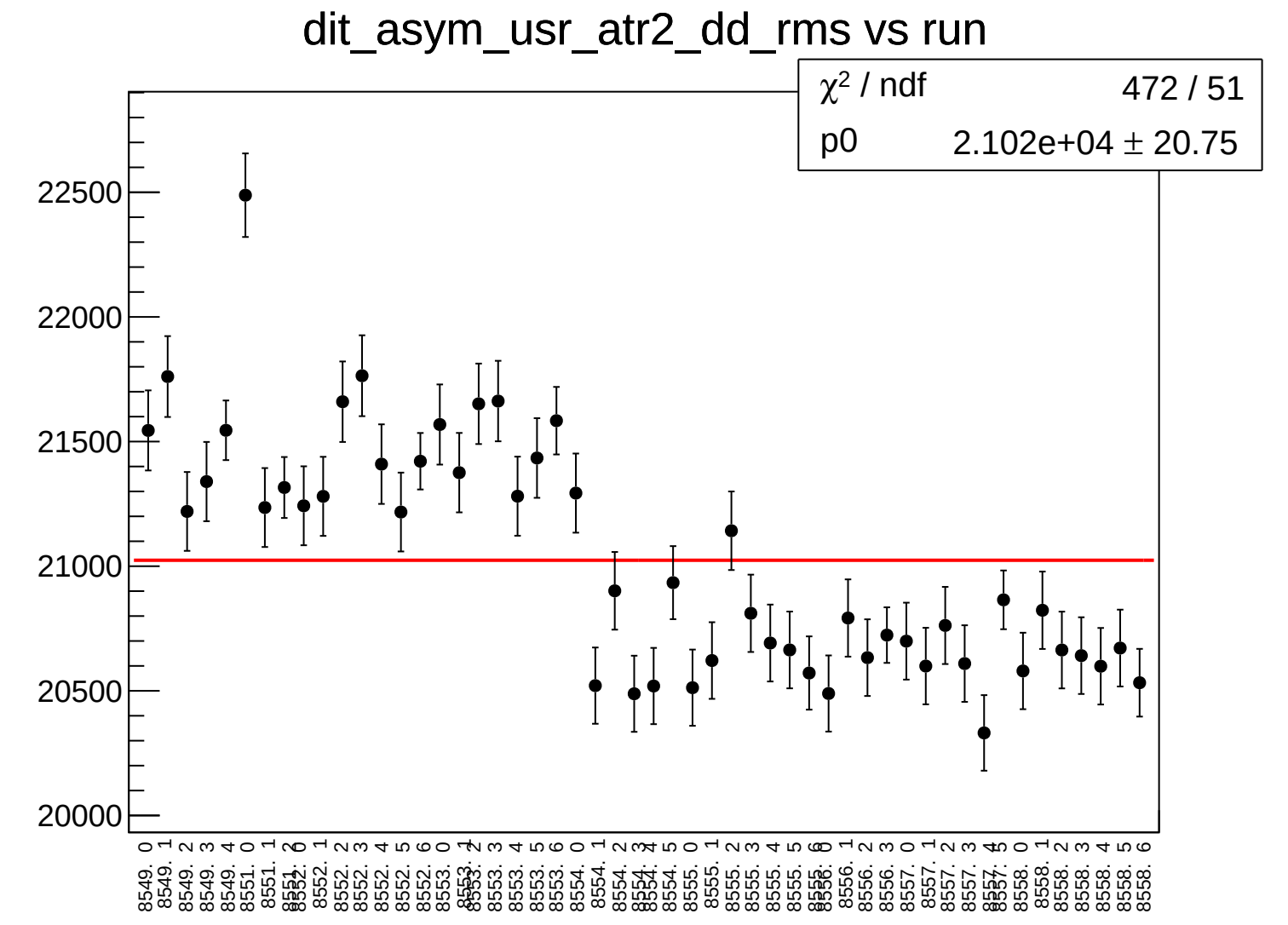

asym_usr_atr2_dd_eigen_cor_correction_mean vs run
χ² / ndf 43.81 / 51
p0 −486.2 ± 1596
pull
Entries 52
Mean −1.237e+04
Std Dev 0


pull1D
Entries 52
Mean −9.157e−05
Std Dev 0.9179


asym_usr_atr2_dd_eigen_cor_correction_rms vs run
χ² / ndf 3.304e+04 / 51
p0 1125 ± 1.129
1600
1400
1200
1000
800
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6


dit_asym_usr_atr2_dd_mean vs run
×10^3
χ² / ndf 41.73 / 51
p0 −1.455e+04 ± 2.935e+04
pull
Entries 52
Mean 503.4
Std Dev 0


pull1D
Entries 52
Mean −0.006017
Std Dev 0.8958


dit_asym_usr_atr2_dd_rms vs run
χ² / ndf 472 / 51
p0 2.102e+04 ± 20.75
22500
22000
21500
21000
20500
20000
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 2
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
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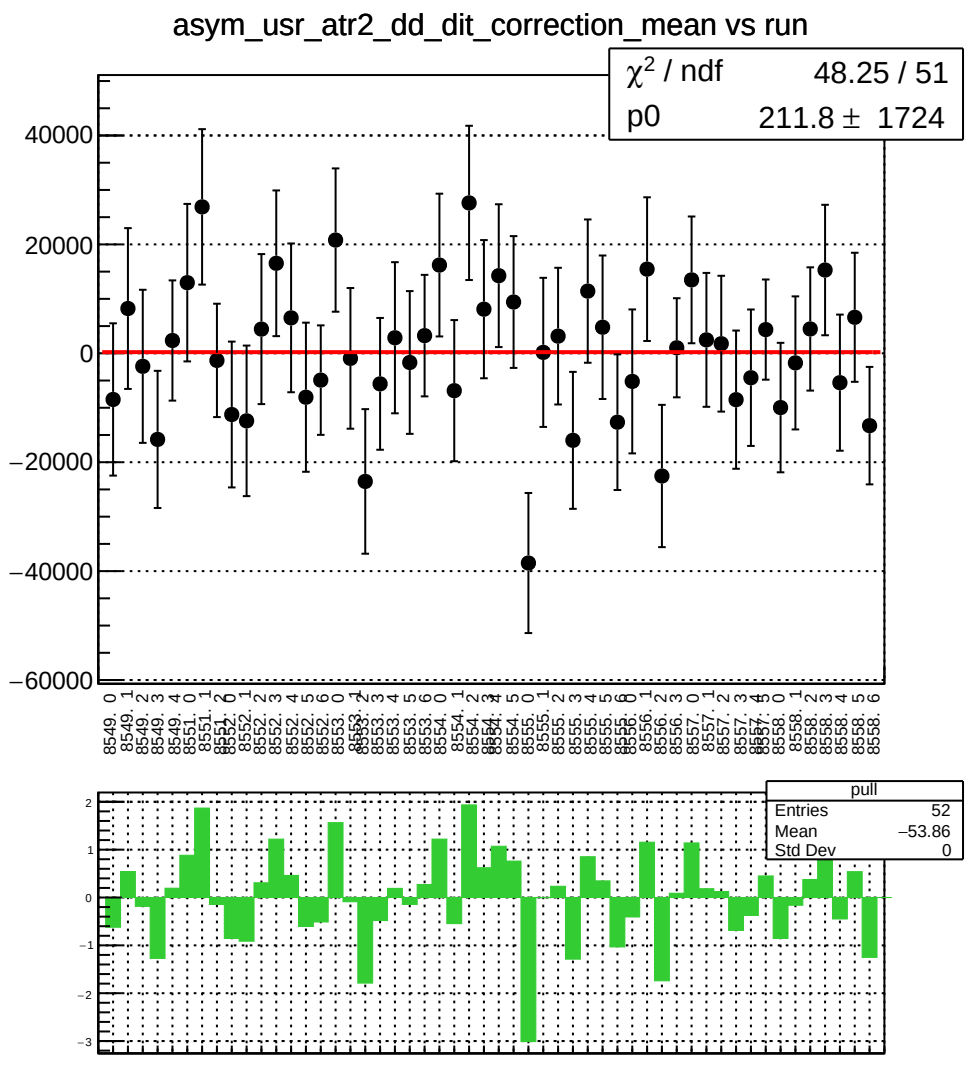
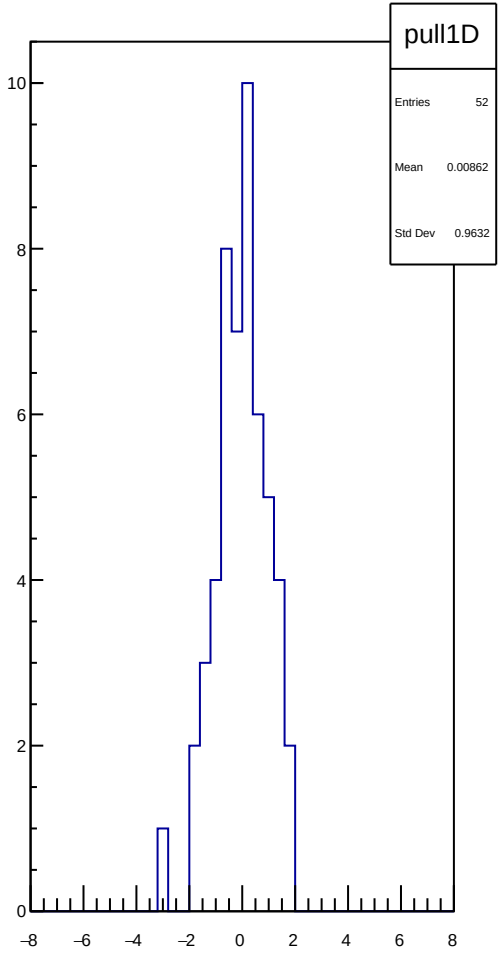
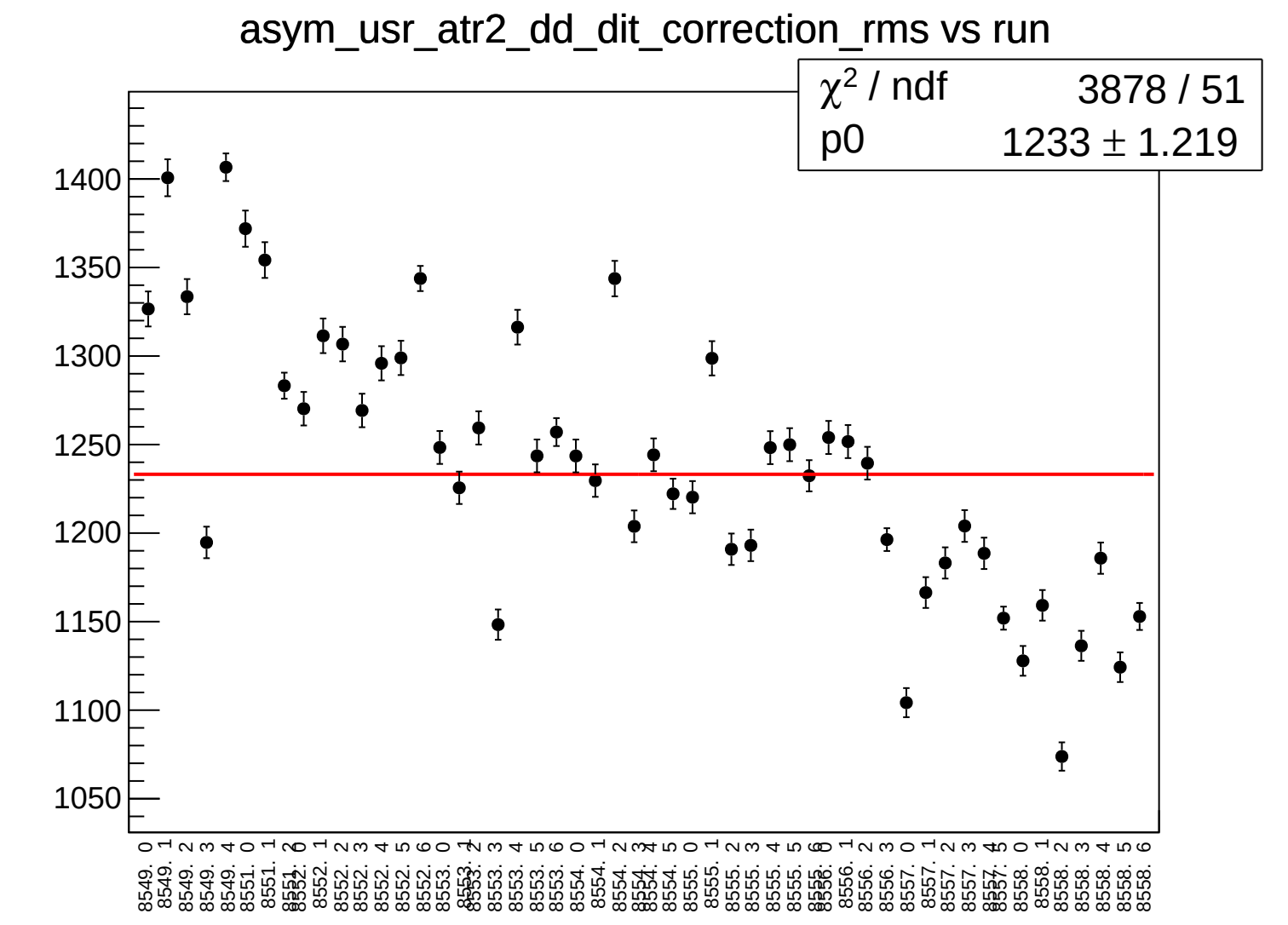
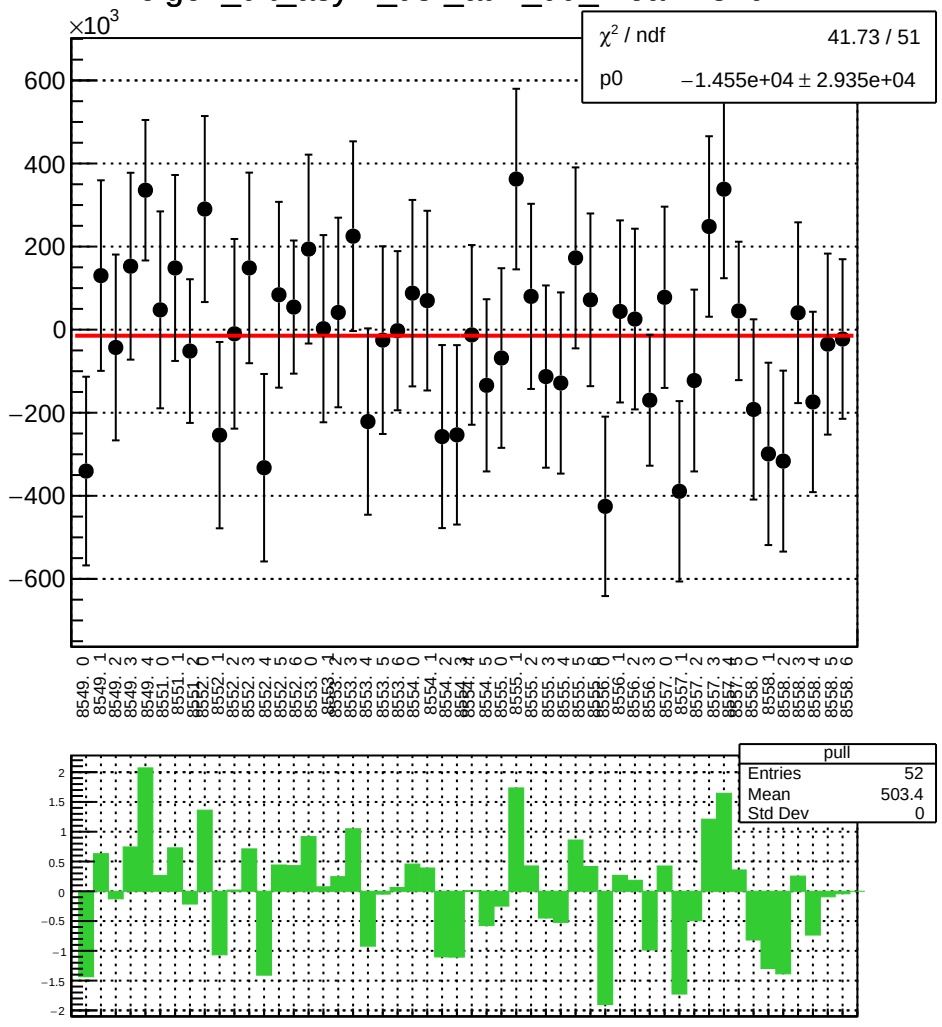
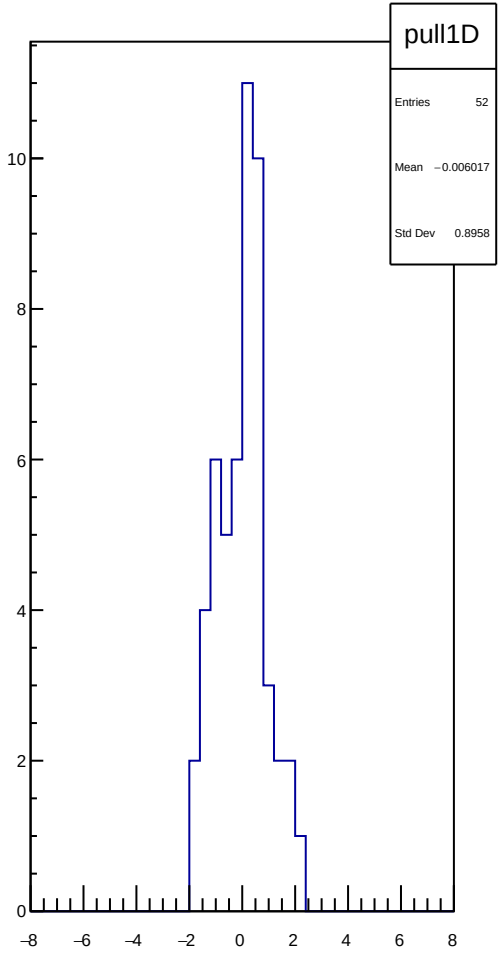
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

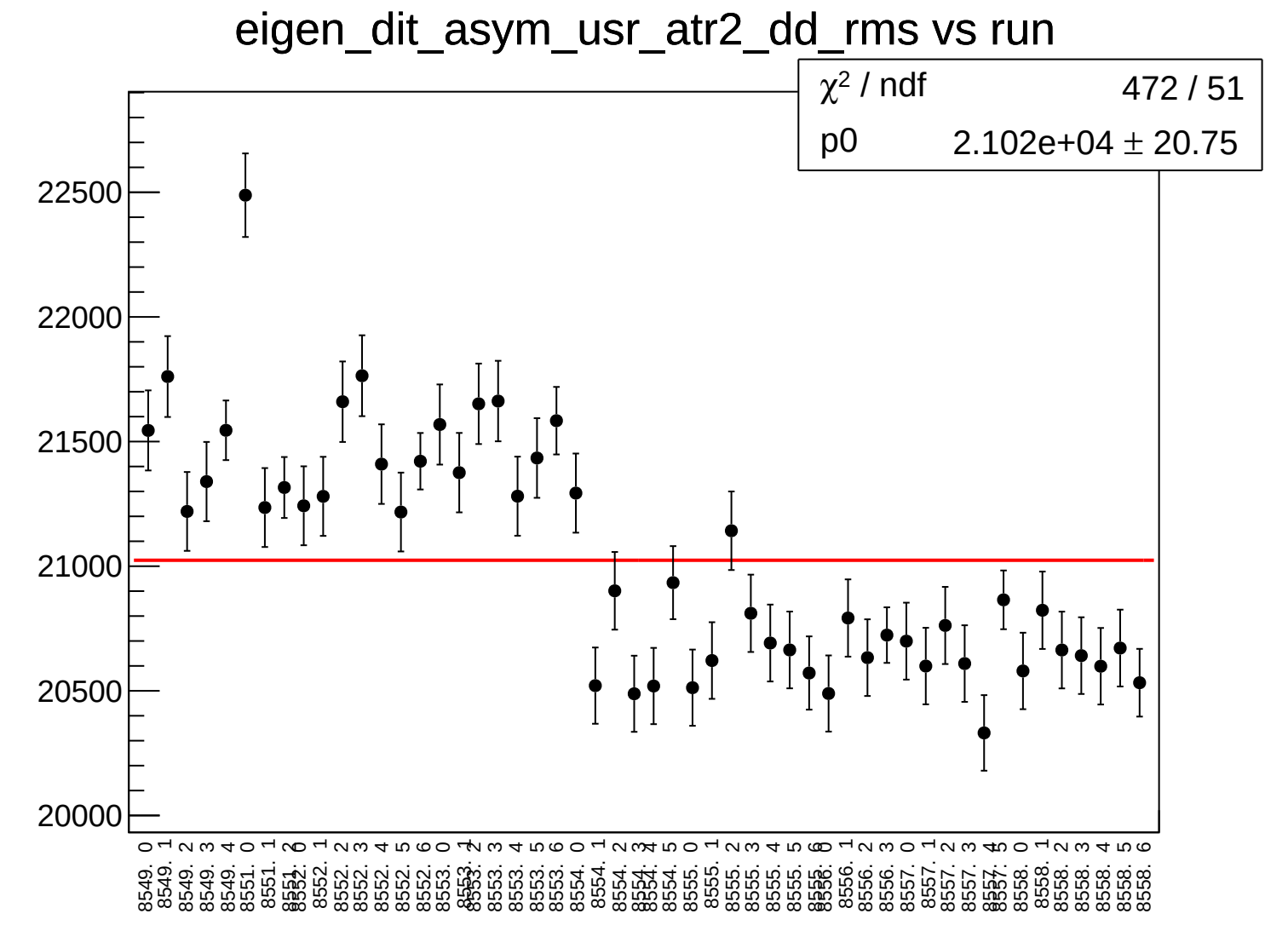

asym_usr_atr2_dd_dit_correction_mean vs run
χ² / ndf 48.25 / 51
p0 211.8 ± 1724
40000
20000
0
−20000
−40000
−60000
pull
Entries 52
Mean −53.86
Std Dev 0
2
1
0
−1
−2
−3

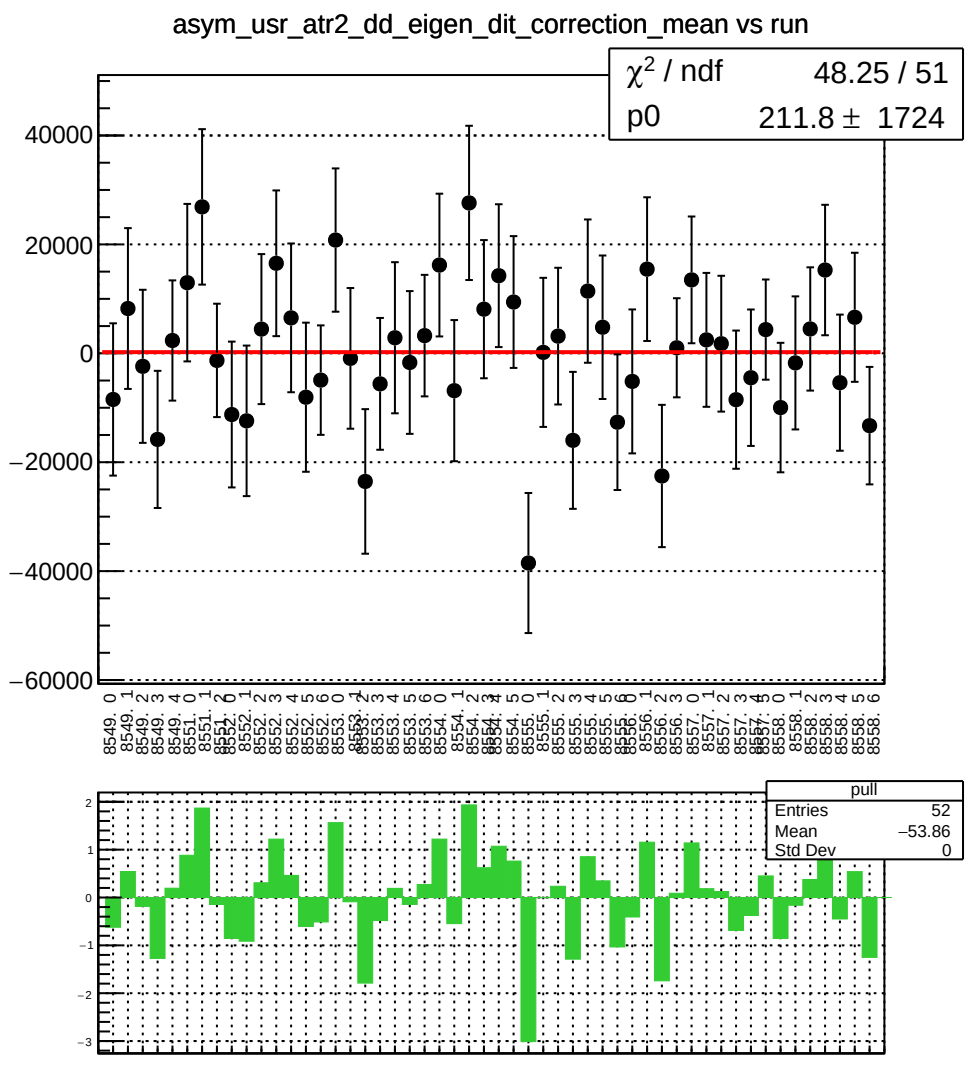

pull1D
Entries 52
Mean 0.00862
Std Dev 0.9632
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

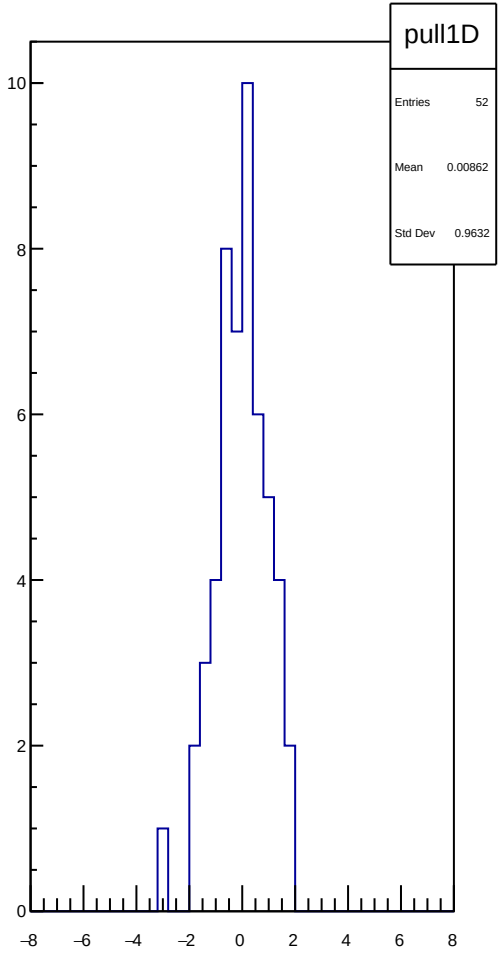

asym_usr_atr2_dd_dit_correction_rms vs run
χ² / ndf 3878 / 51
p0 1233 ± 1.219
1400
1350
1300
1250
1200
1150
1100
1050
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

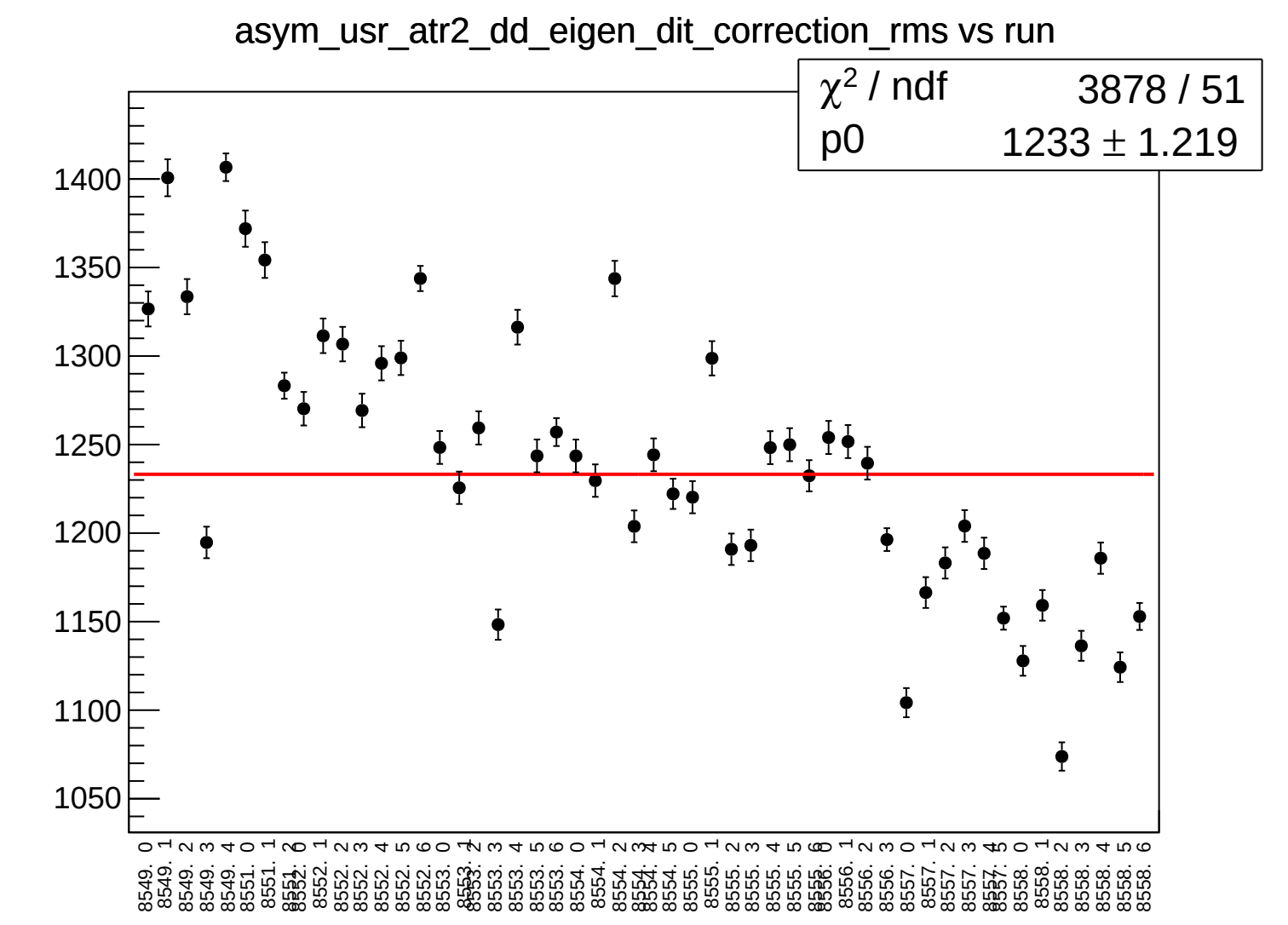

eigen_dit_asym_usr_atr2_dd_mean vs run
×10^3
χ² / ndf 41.73 / 51
p0 −1.455e+04 ± 2.935e+04
pull
Entries 52
Mean 503.4
Std Dev 0

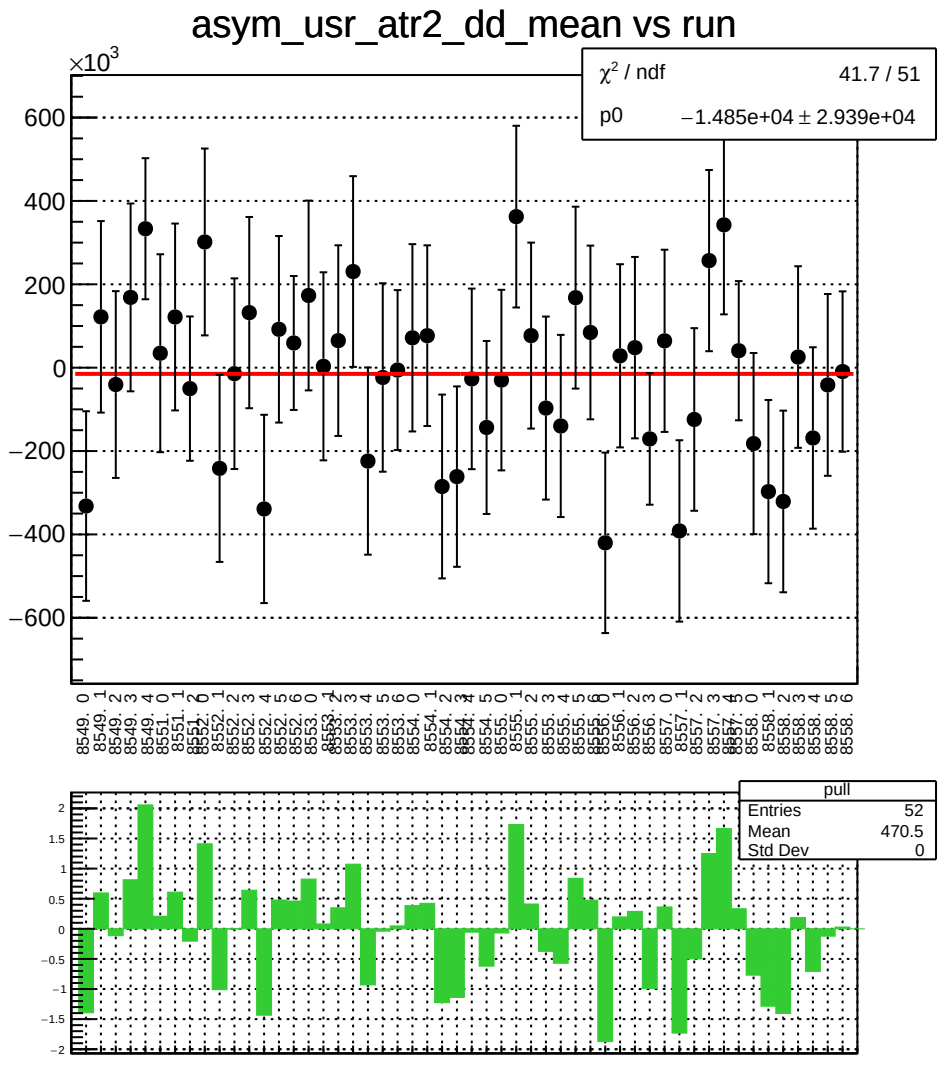

pull1D
Entries 52
Mean −0.006017
Std Dev 0.8958

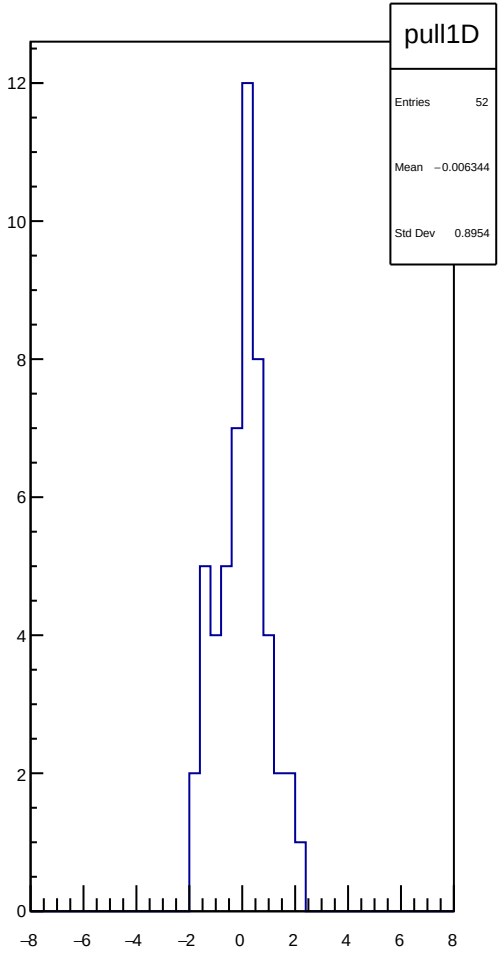

eigen_dit_asym_usr_atr2_dd_rms vs run
χ² / ndf 472 / 51
p0 2.102e+04 ± 20.75
22500
22000
21500
21000
20500
20000
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

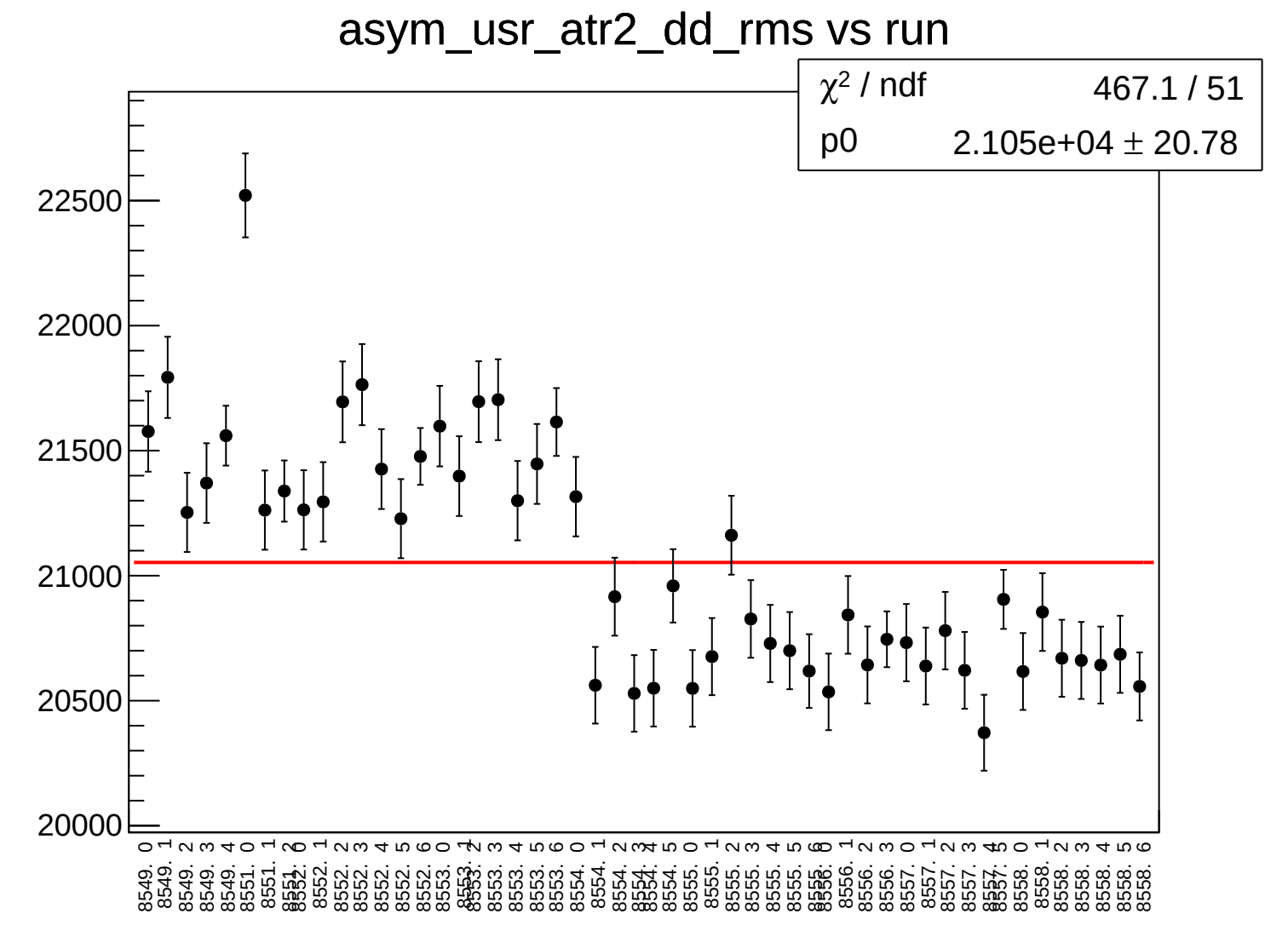

asym_usr_atr2_dd_eigen_dit_correction_mean vs run
χ² / ndf 48.25 / 51
p0 211.8 ± 1724
40000
20000
0
−20000
−40000
−60000
pull
Entries 52
Mean −53.86
Std Dev 0
2
1
0
−1
−2
−3

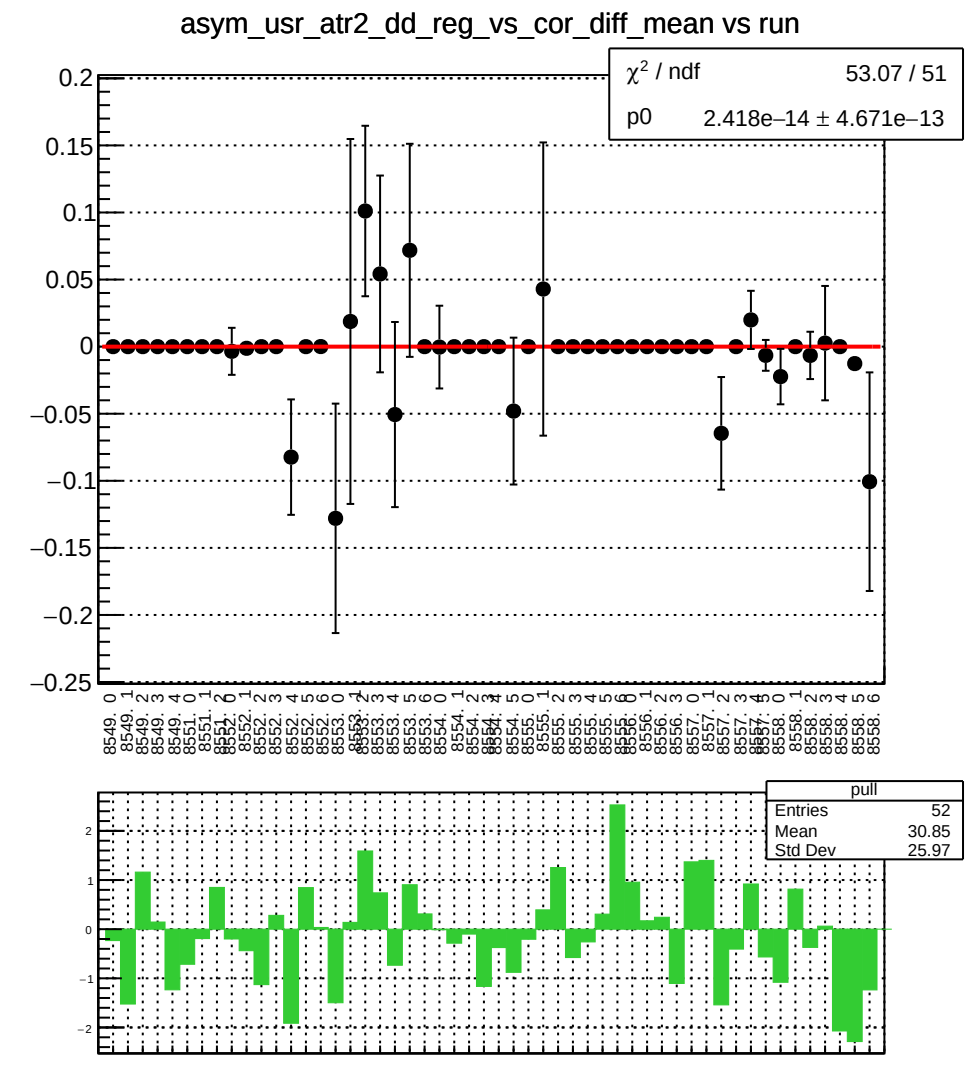

pull1D
Entries 52
Mean 0.00862
Std Dev 0.9632
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

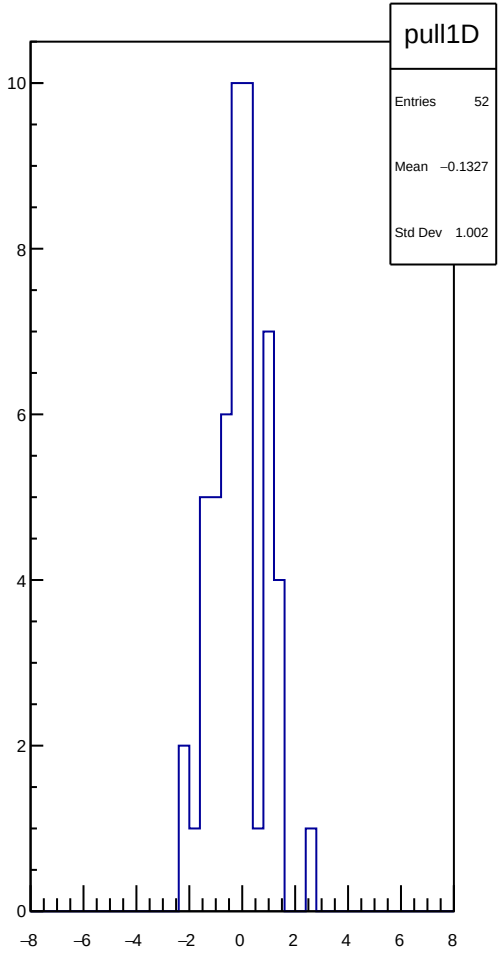

asym_usr_atr2_dd_eigen_dit_correction_rms vs run
χ² / ndf 3878 / 51
p0 1233 ± 1.219
1400
1350
1300
1250
1200
1150
1100
1050
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

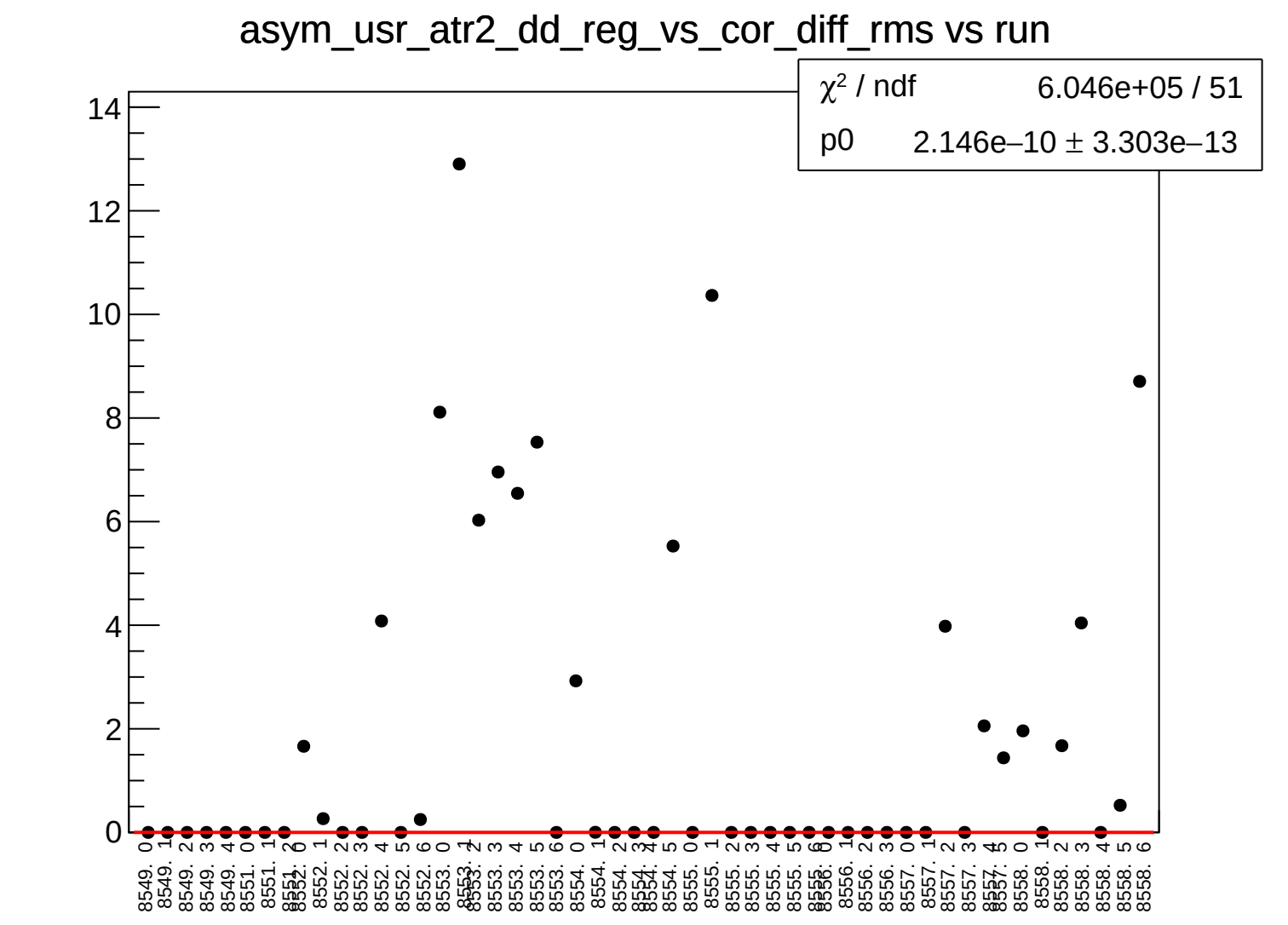

asym_usr_atr2_dd_mean vs run
×10^3
χ² / ndf 41.7 / 51
p0 −1.485e+04 ± 2.939e+04
pull
Entries 52
Mean 470.5
Std Dev 0

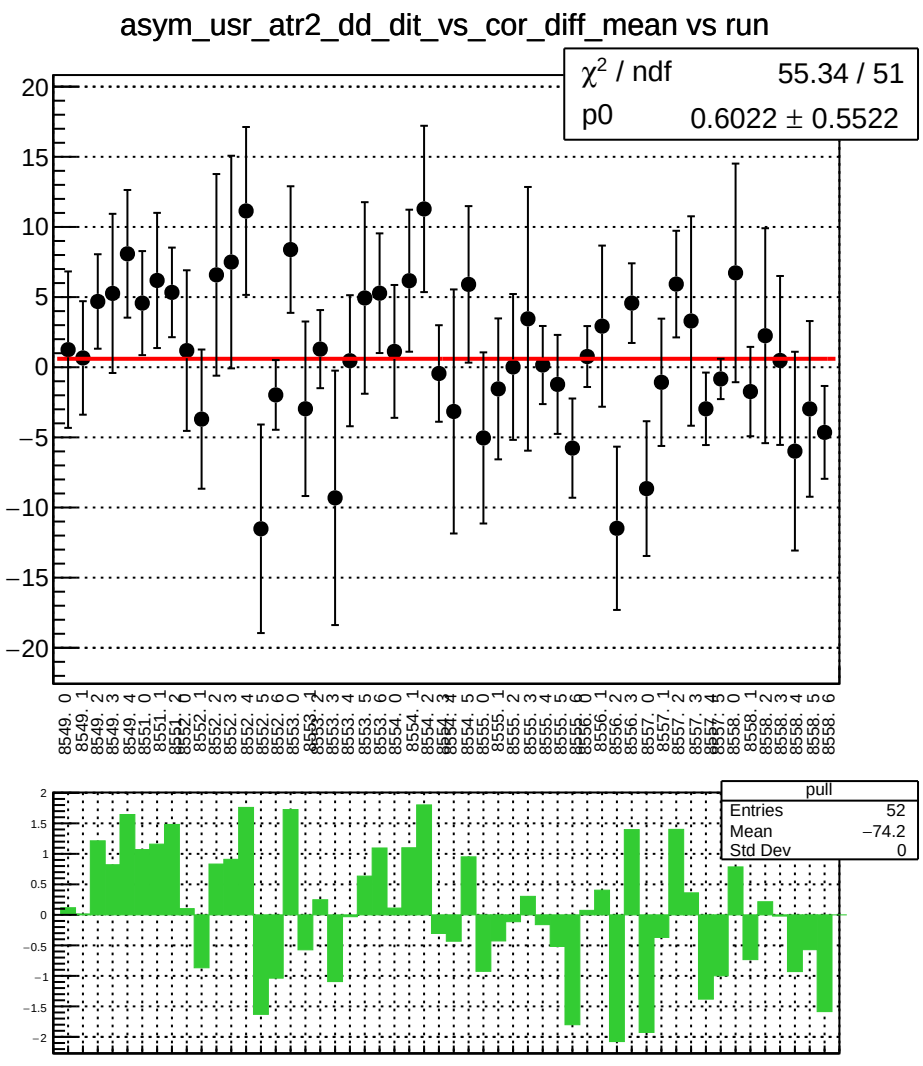

pull1D
Entries 52
Mean −0.006344
Std Dev 0.8954

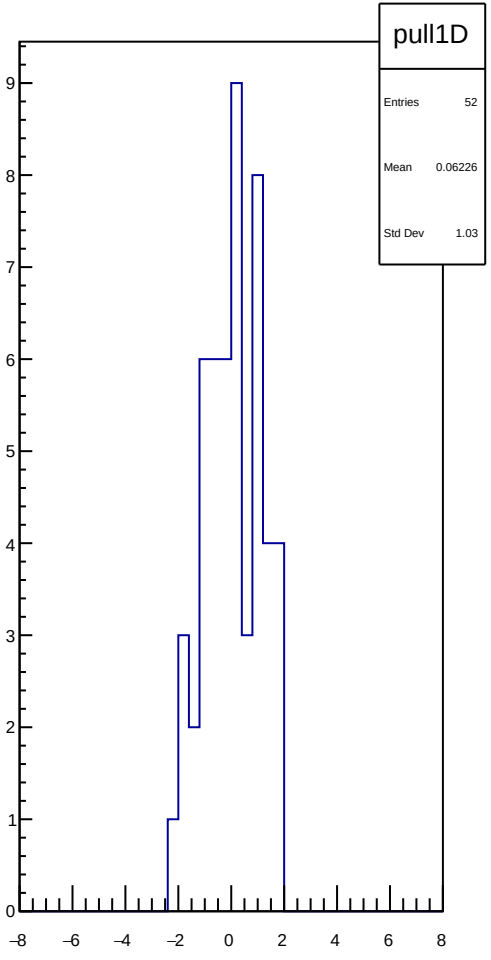

asym_usr_atr2_dd_rms vs run
χ² / ndf 467.1 / 51
p0 2.105e+04 ± 20.78
22500
22000
21500
21000
20500
20000
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

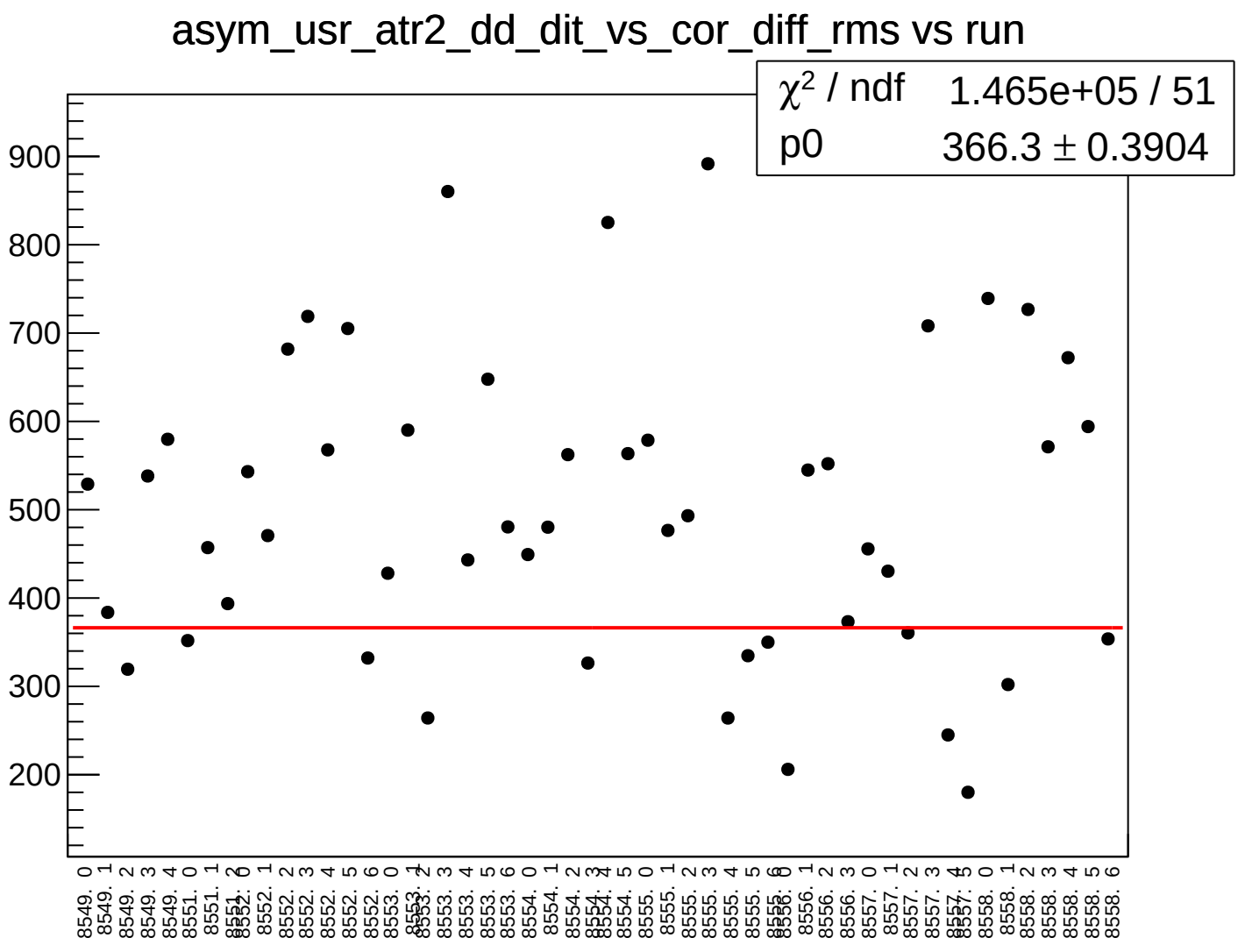

asym_usr_atr2_dd_reg_vs_cor_diff_mean vs run
χ² / ndf 53.07 / 51
p0 2.418e−14 ± 4.671e−13
pull
Entries 52
Mean 30.85
Std Dev 25.97

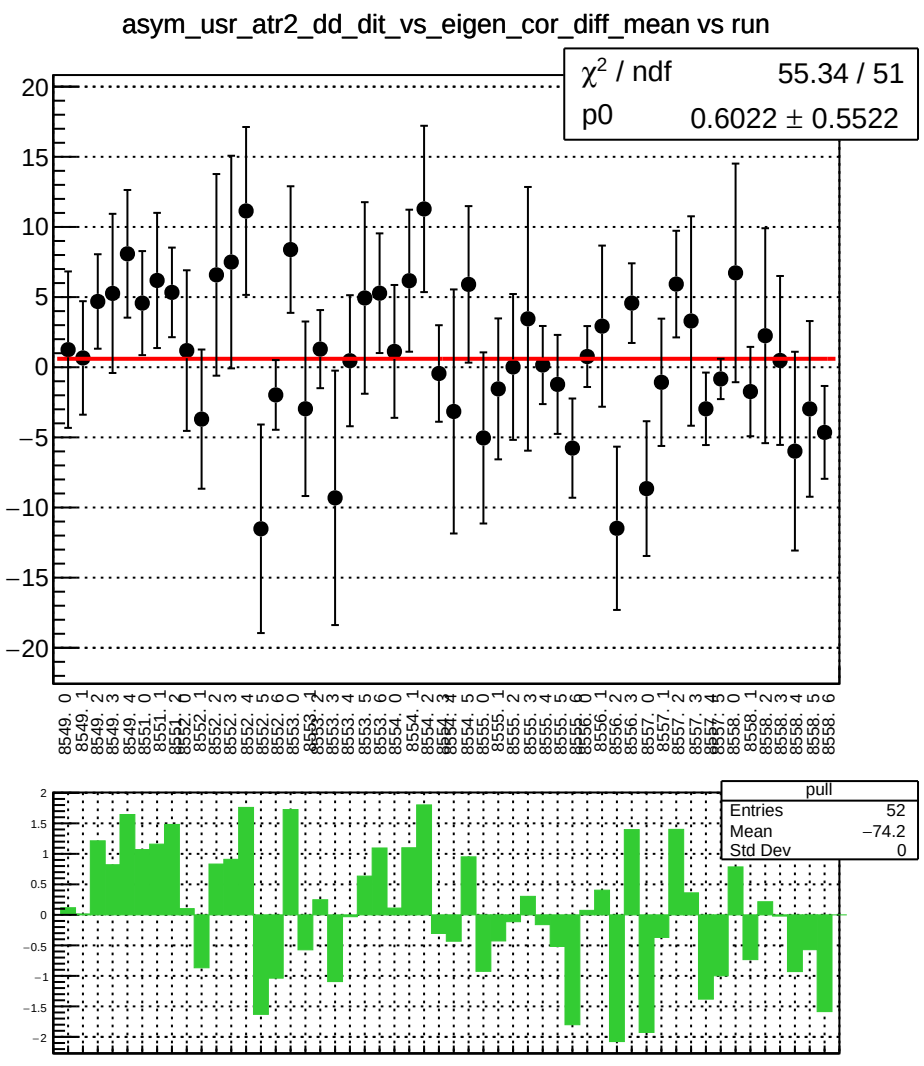

pull1D
Entries 52
Mean −0.1327
Std Dev 1.002

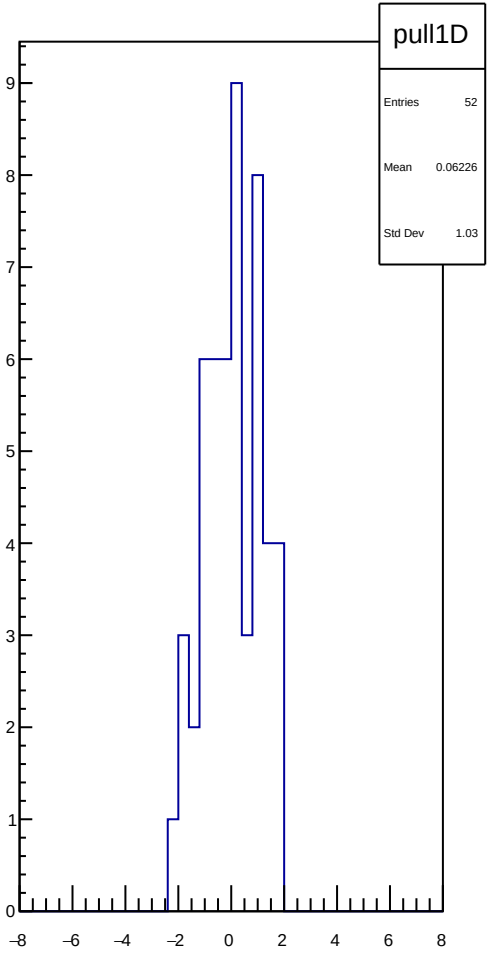

asym_usr_atr2_dd_reg_vs_cor_diff_rms vs run
χ² / ndf 6.046e+05 / 51
p0 2.146e−10 ± 3.303e−13
14
12
10
8
6
4
2
0
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8551. 2
8552. 0
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 1
8553. 2
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 3
8554. 4
8554. 5
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8555. 6
8556. 0
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8557. 4
8557. 5
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

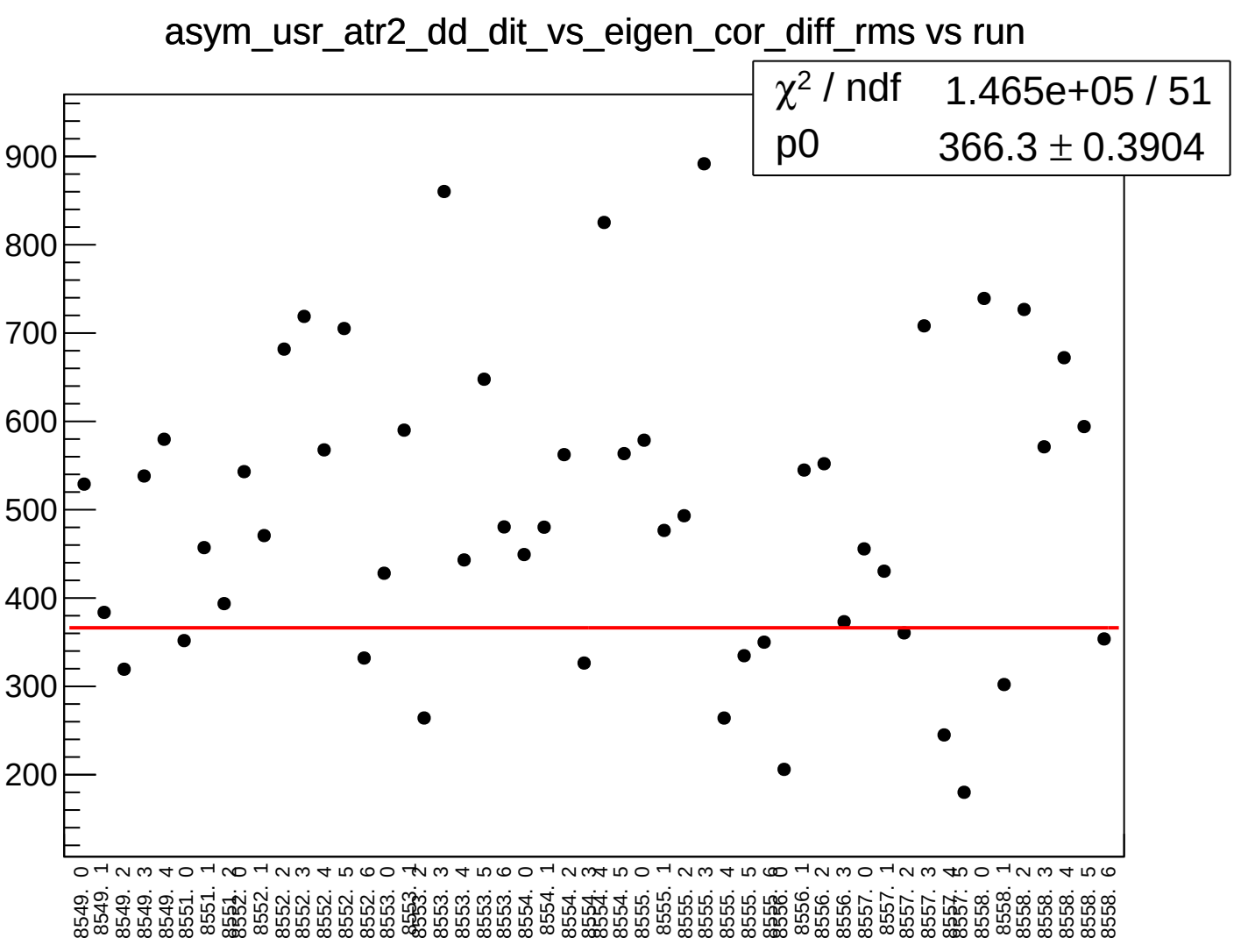

asym_usr_atr2_dd_dit_vs_cor_diff_mean vs run
χ² / ndf 55.34 / 51
p0 0.6022 ± 0.5522
pull
Entries 52
Mean −74.2
Std Dev 0

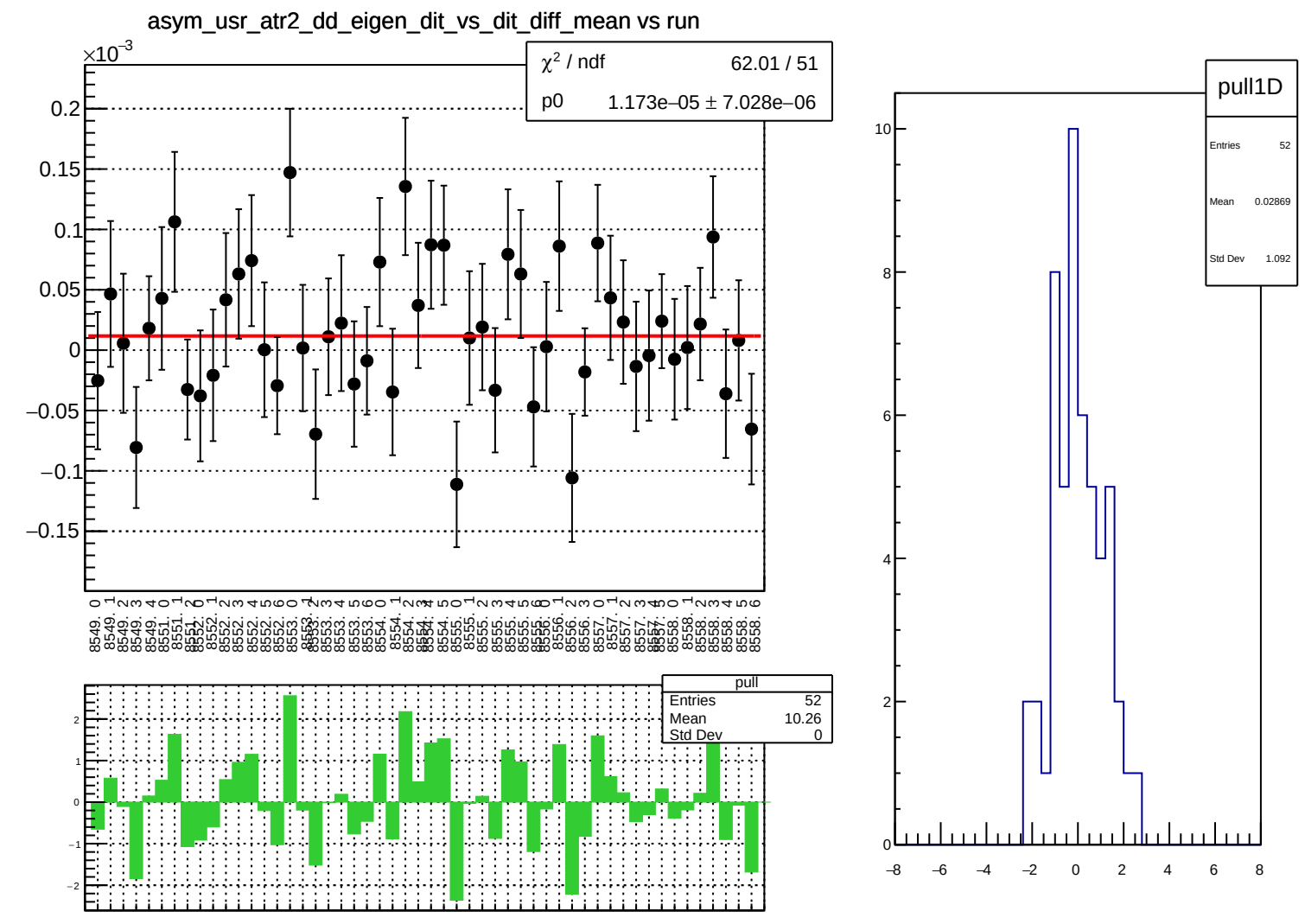

pull1D
Entries 52
Mean 0.06226
Std Dev 1.03

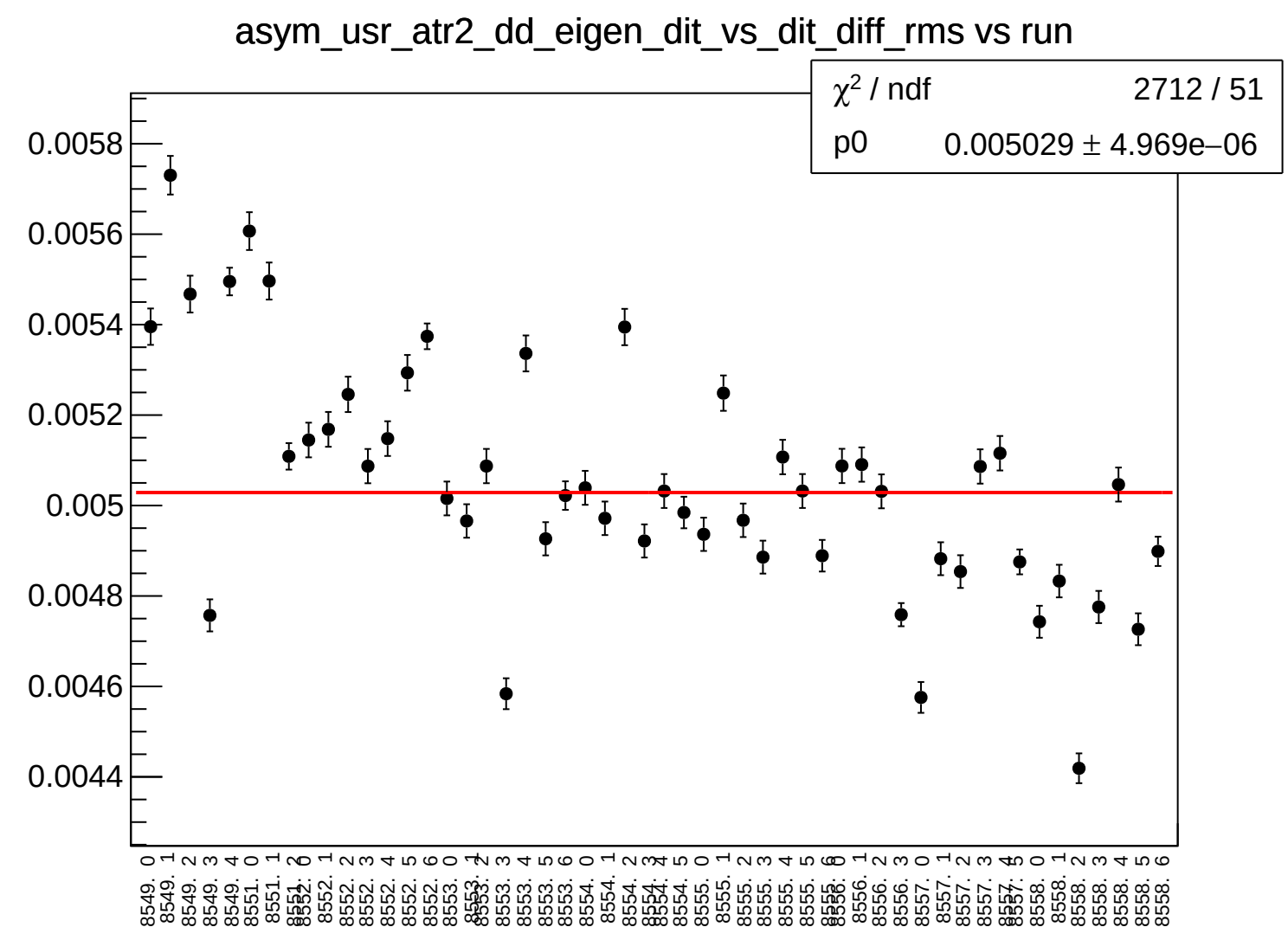

asym_usr_atr2_dd_dit_vs_cor_diff_rms vs run
χ² / ndf 1.465e+05 / 51
p0 366.3 ± 0.3904
900
800
700
600
500
400
300
200
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8551. 2
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 1
8553. 2
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 5
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6


asym_usr_atr2_dd_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 55.34 / 51
p0 0.6022 ± 0.5522
pull
Entries 52
Mean −74.2
Std Dev 0


pull1D
Entries 52
Mean 0.06226
Std Dev 1.03


asym_usr_atr2_dd_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.465e+05 / 51
p0 366.3 ± 0.3904
900
800
700
600
500
400
300
200
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8551. 2
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 1
8553. 2
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 5
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6


asym_usr_atr2_dd_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 62.01 / 51
p0 1.173e−05 ± 7.028e−06
pull
Entries 52
Mean 10.26
Std Dev 0
pull1D
Entries 52
Mean 0.02869
Std Dev 1.092


asym_usr_atr2_dd_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 2712 / 51
p0 0.005029 ± 4.969e−06
0.0058
0.0056
0.0054
0.0052
0.005
0.0048
0.0046
0.0044
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 5
8555. 0
8555. 1
8555. 2
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8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
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8557. 3
8558. 0
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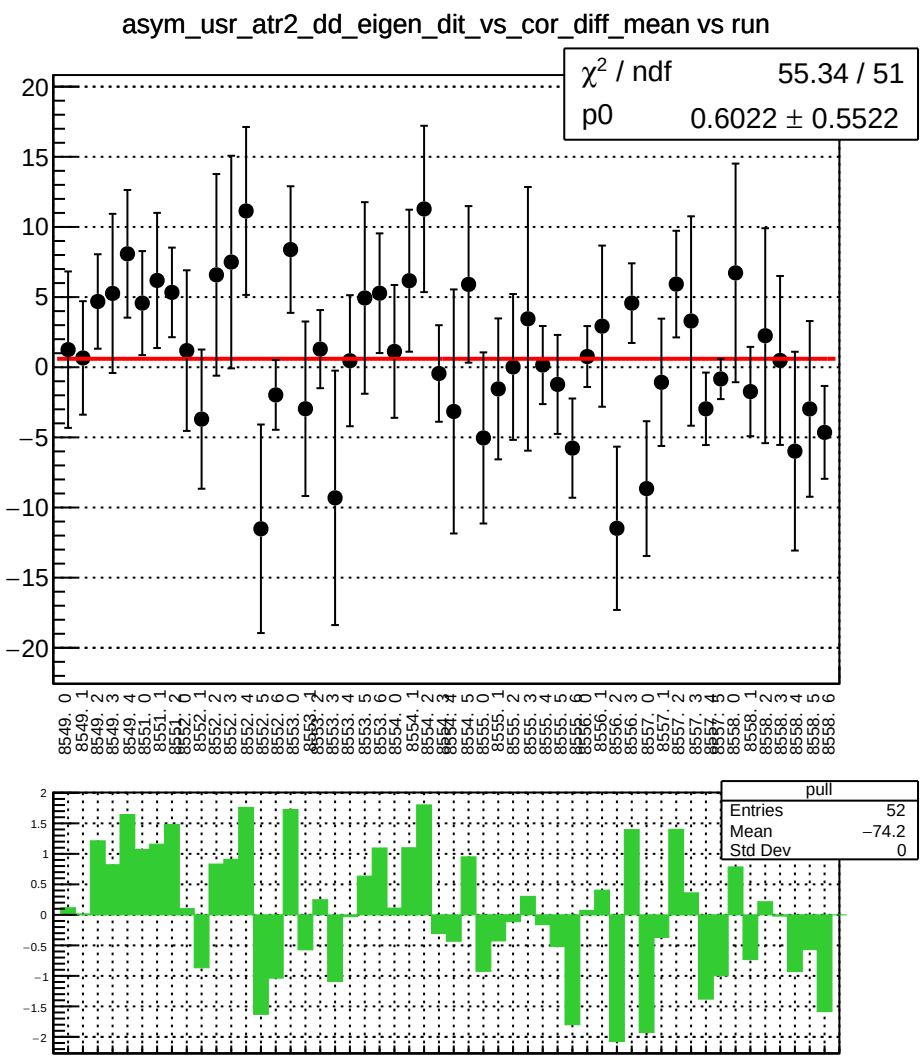
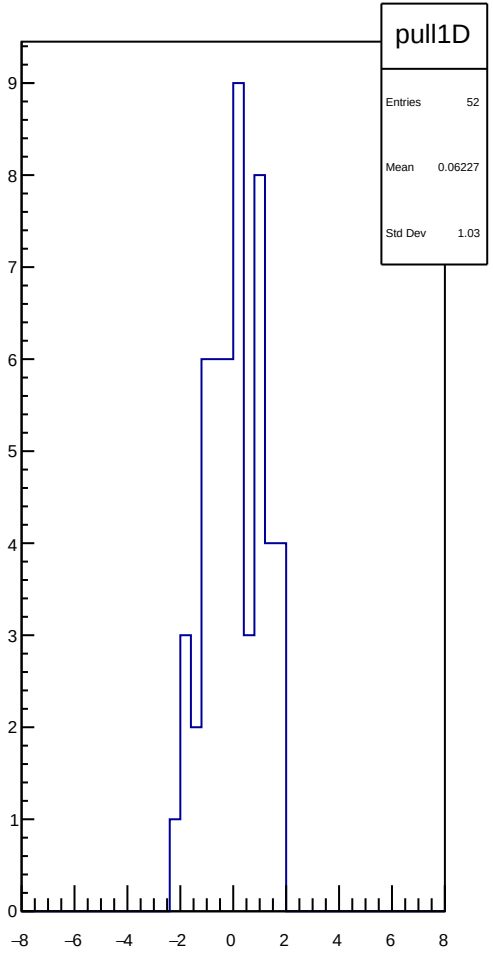
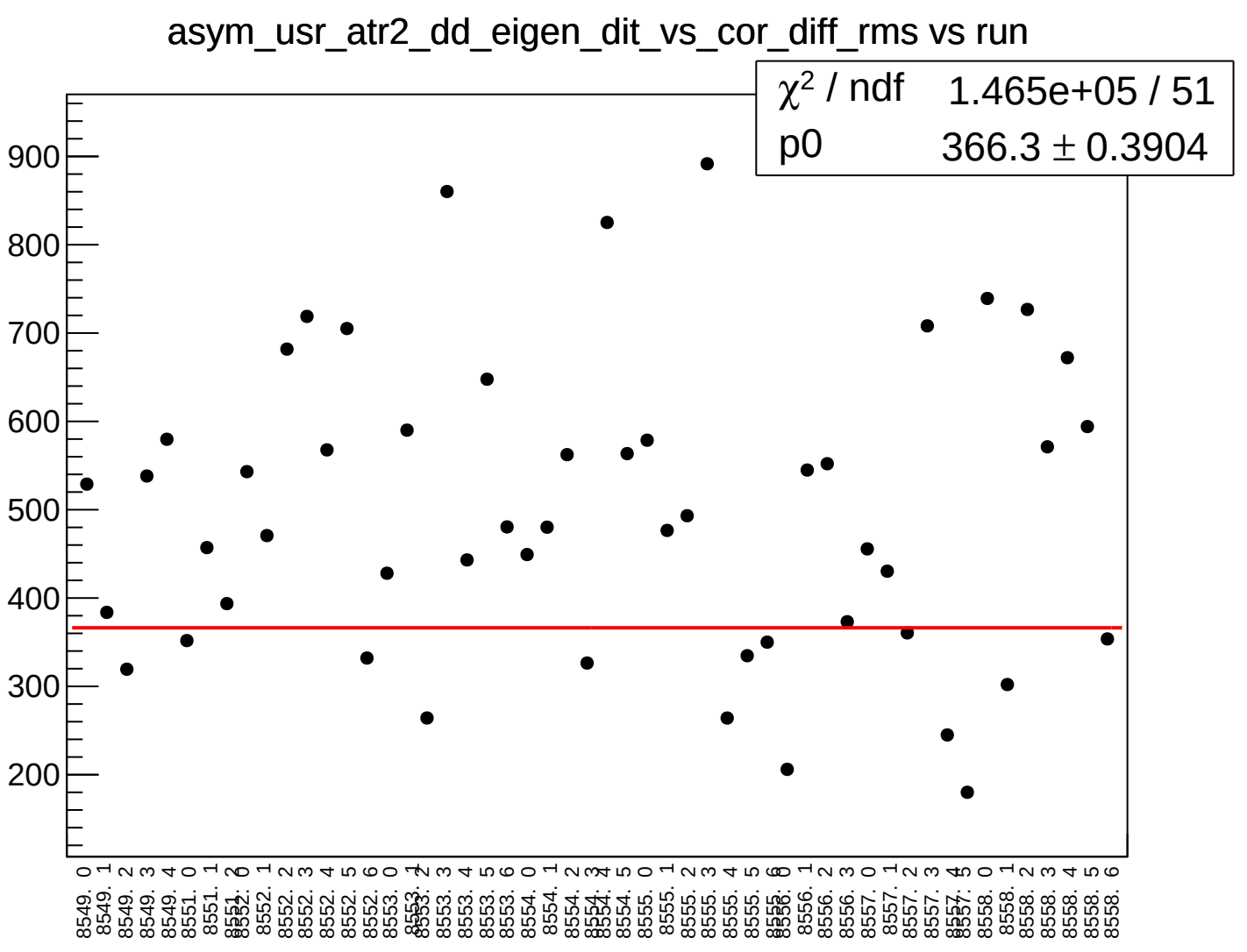
8558. 6


asym_usr_atr2_dd_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 55.34 / 51
p0 0.6022 ± 0.5522
pull
Entries 52
Mean −74.2
Std Dev 0


pull1D
Entries 52
Mean 0.06227
Std Dev 1.03


asym_usr_atr2_dd_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 1.465e+05 / 51
p0 366.3 ± 0.3904
900
800
700
600
500
400
300
200
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
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8554. 1
8554. 2
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8556. 1
8556. 2
8556. 3
8557. 0
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8557. 3
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8558. 1
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8558. 3
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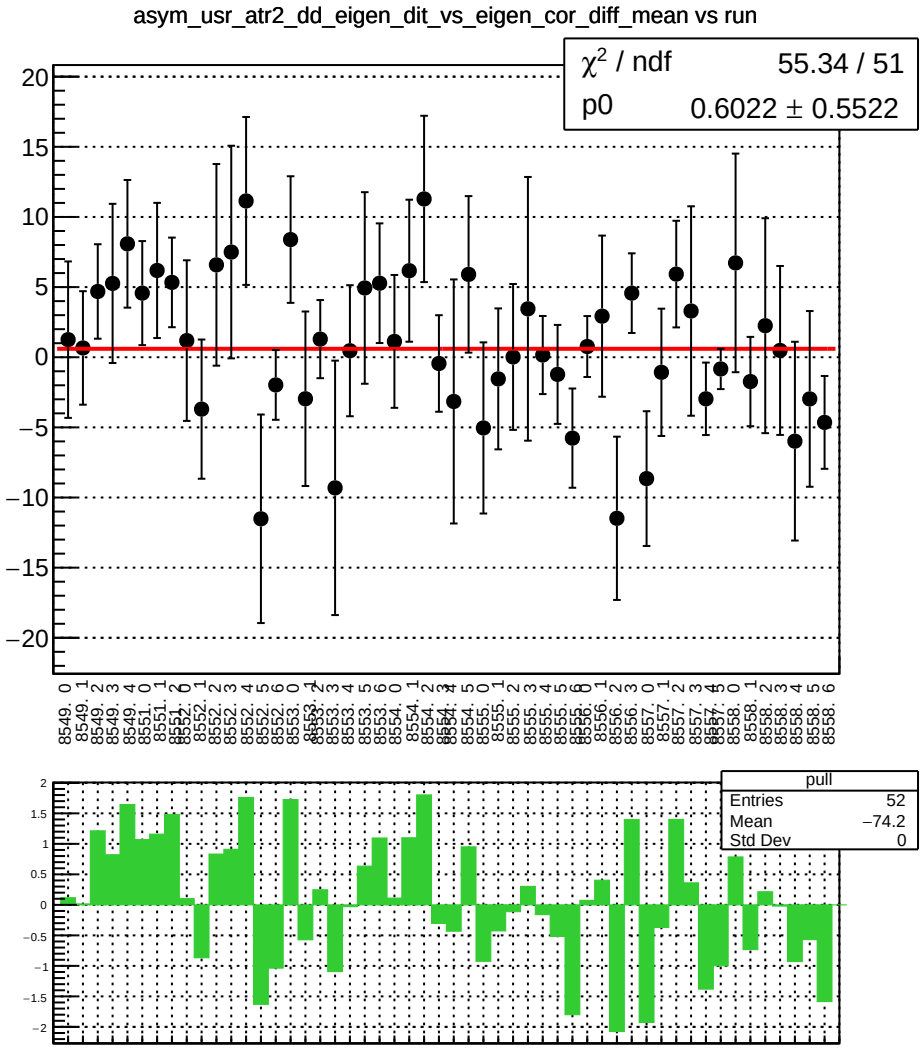
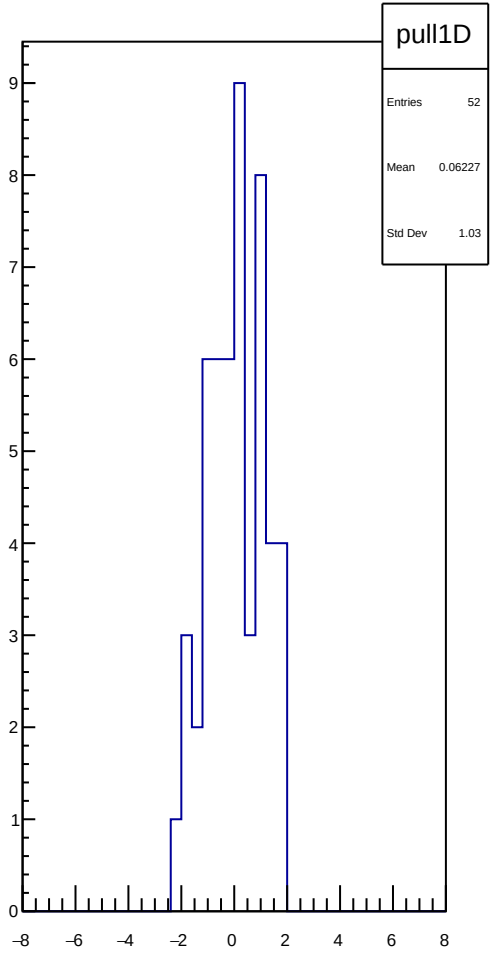
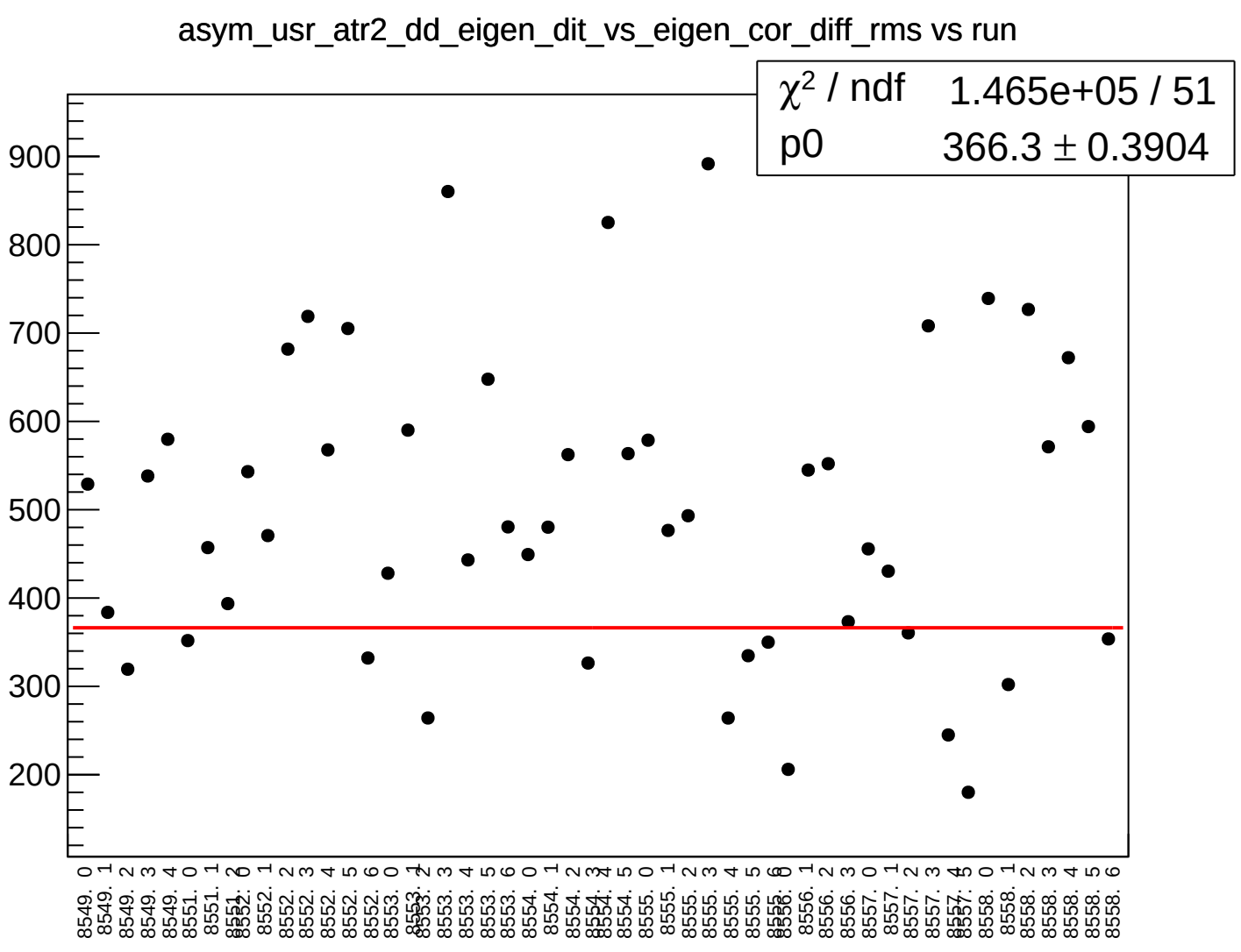
8558. 5
8558. 6


asym_usr_atr2_dd_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 55.34 / 51
p0 0.6022 ± 0.5522
pull
Entries 52
Mean −74.2
Std Dev 0


pull1D
Entries 52
Mean 0.06227
Std Dev 1.03


asym_usr_atr2_dd_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.465e+05 / 51
p0 366.3 ± 0.3904
900
800
700
600
500
400
300
200
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
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8553. 6
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8554. 2
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8557. 0
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8557. 3
8558. 0
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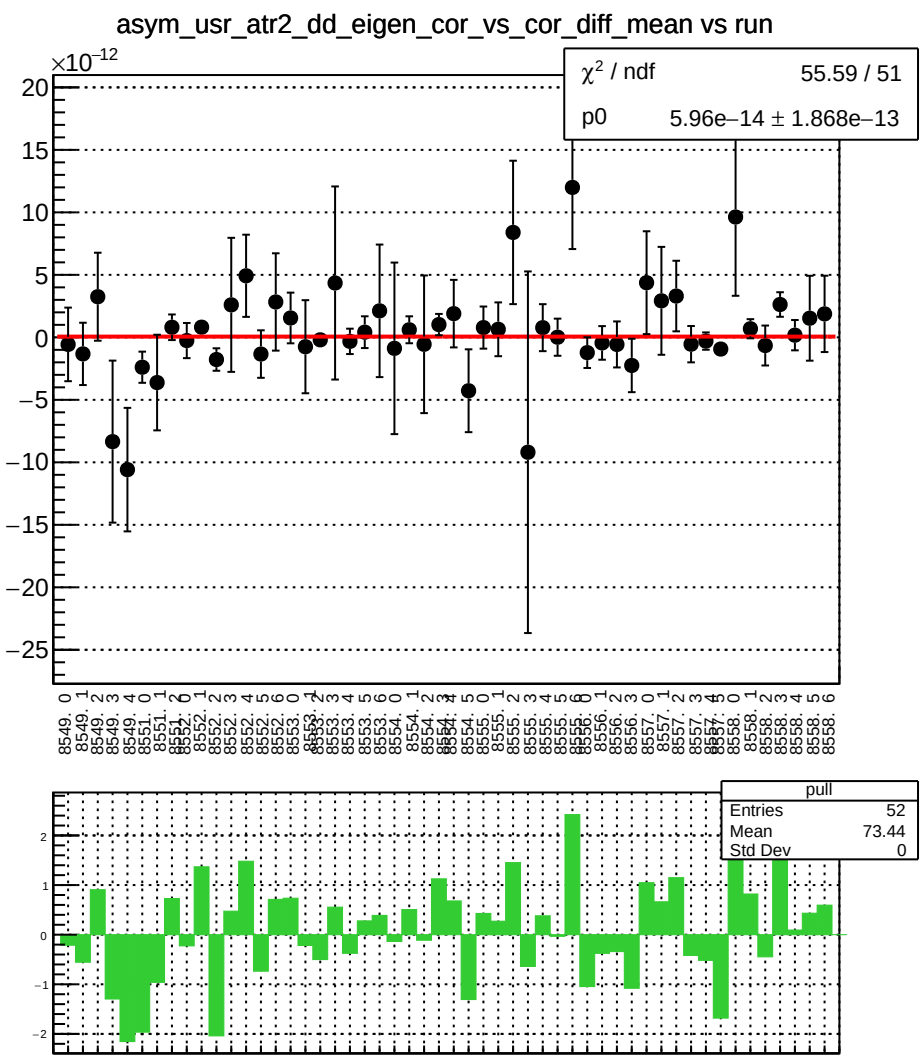
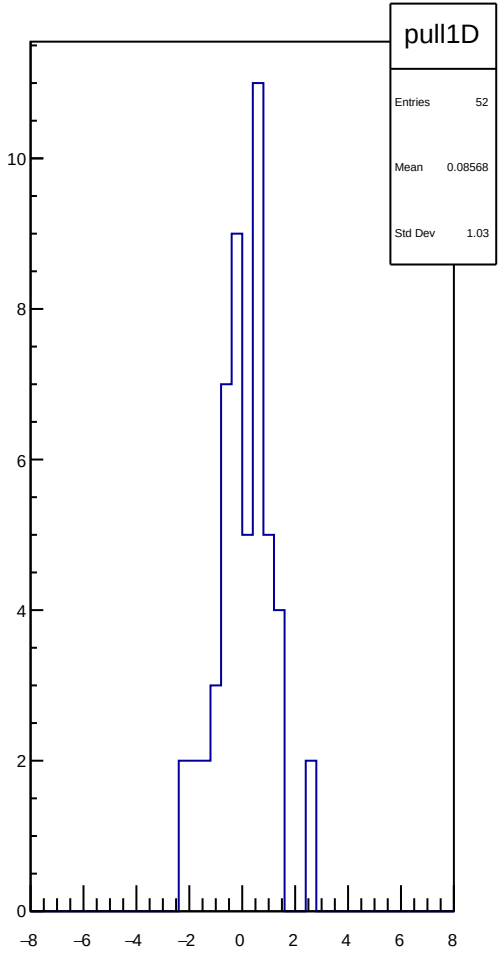
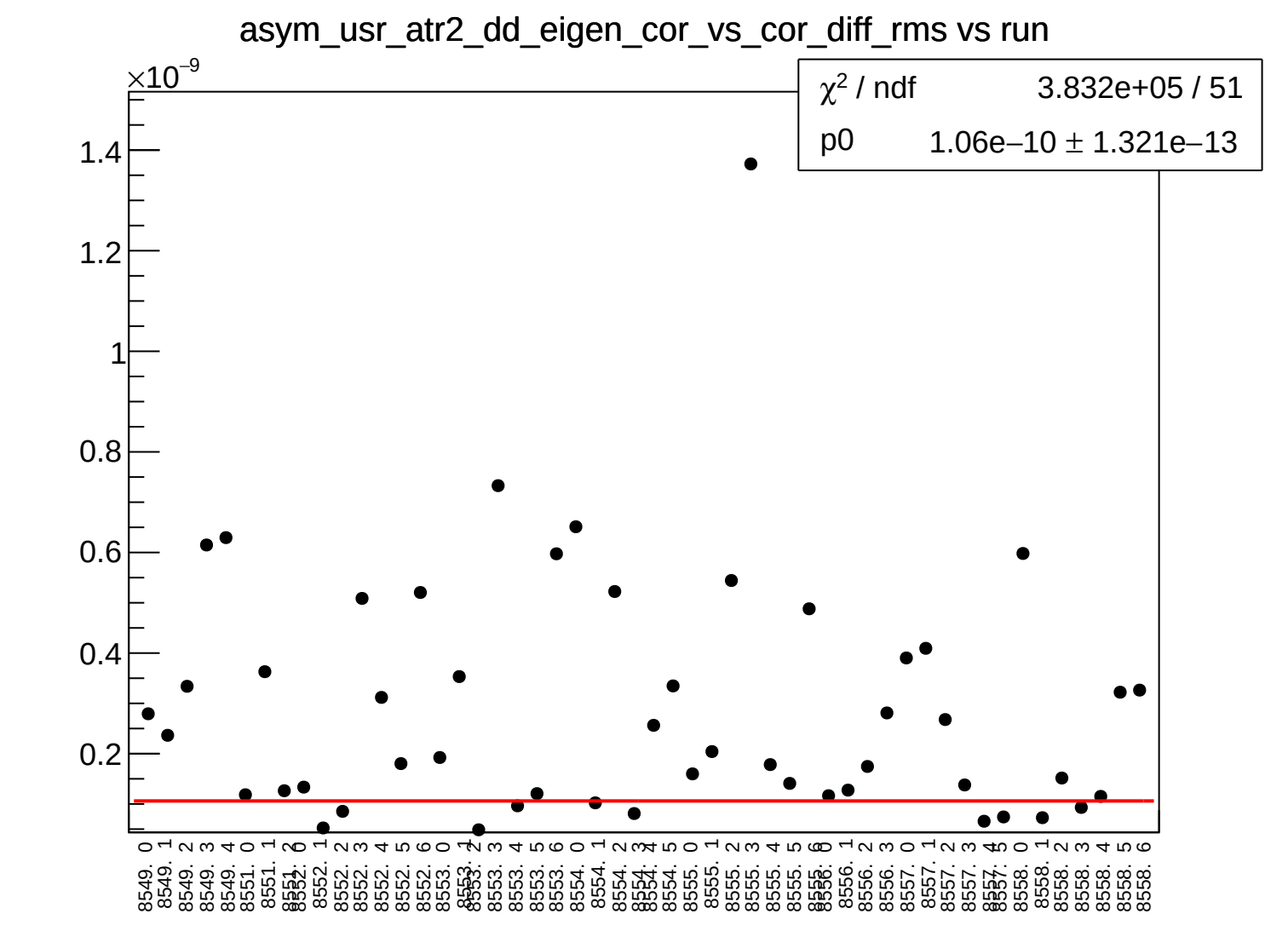
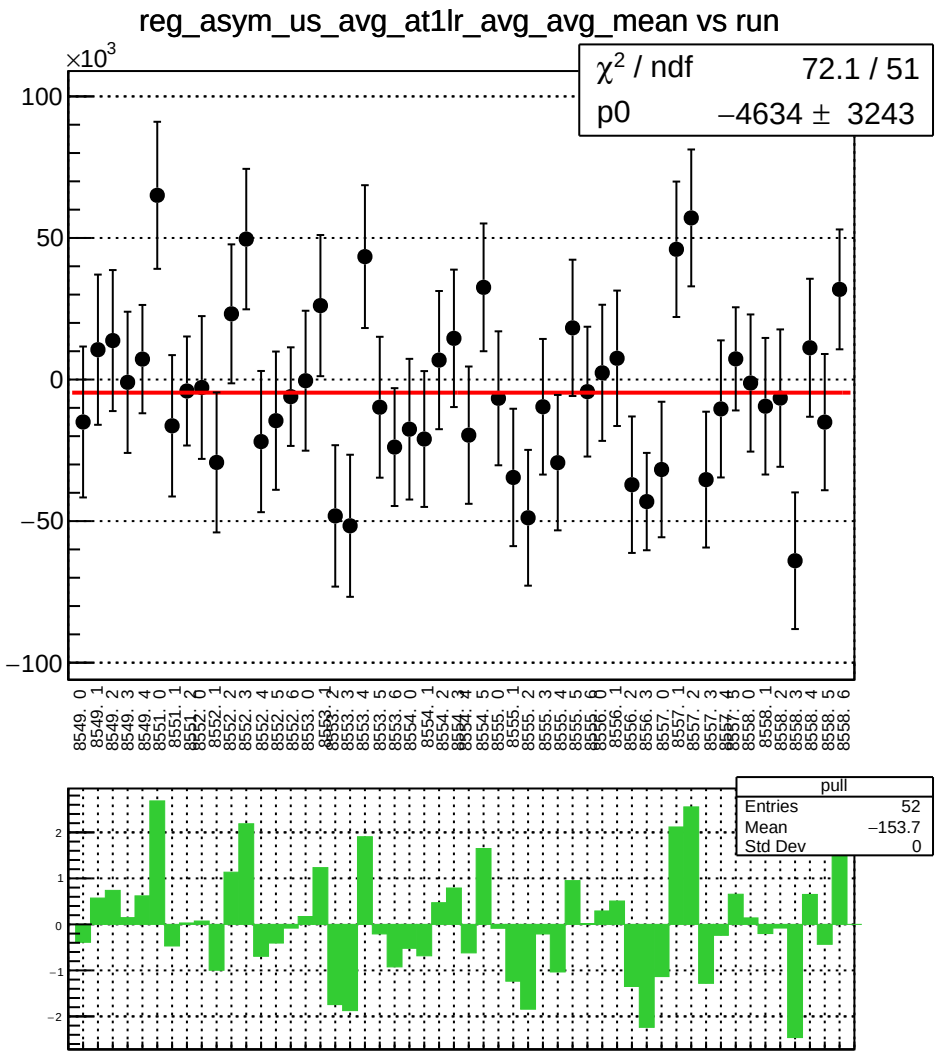
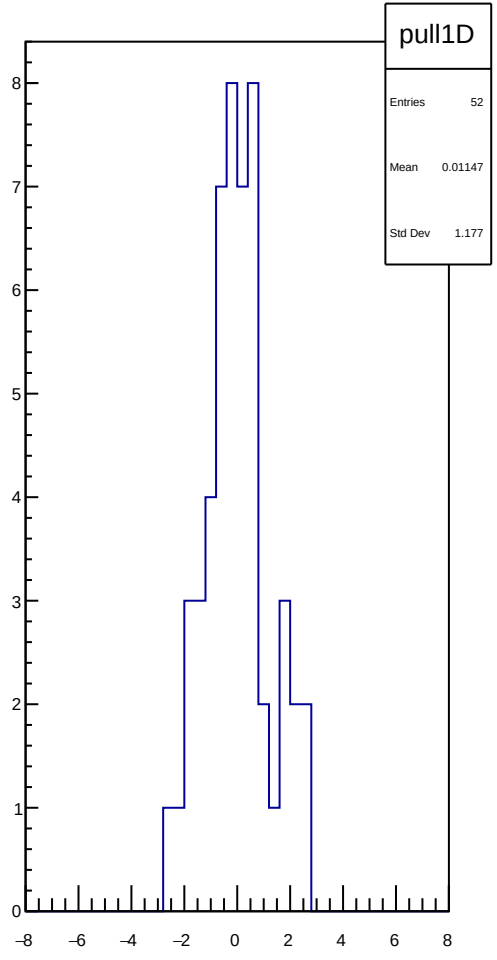
8558. 5
8558. 6

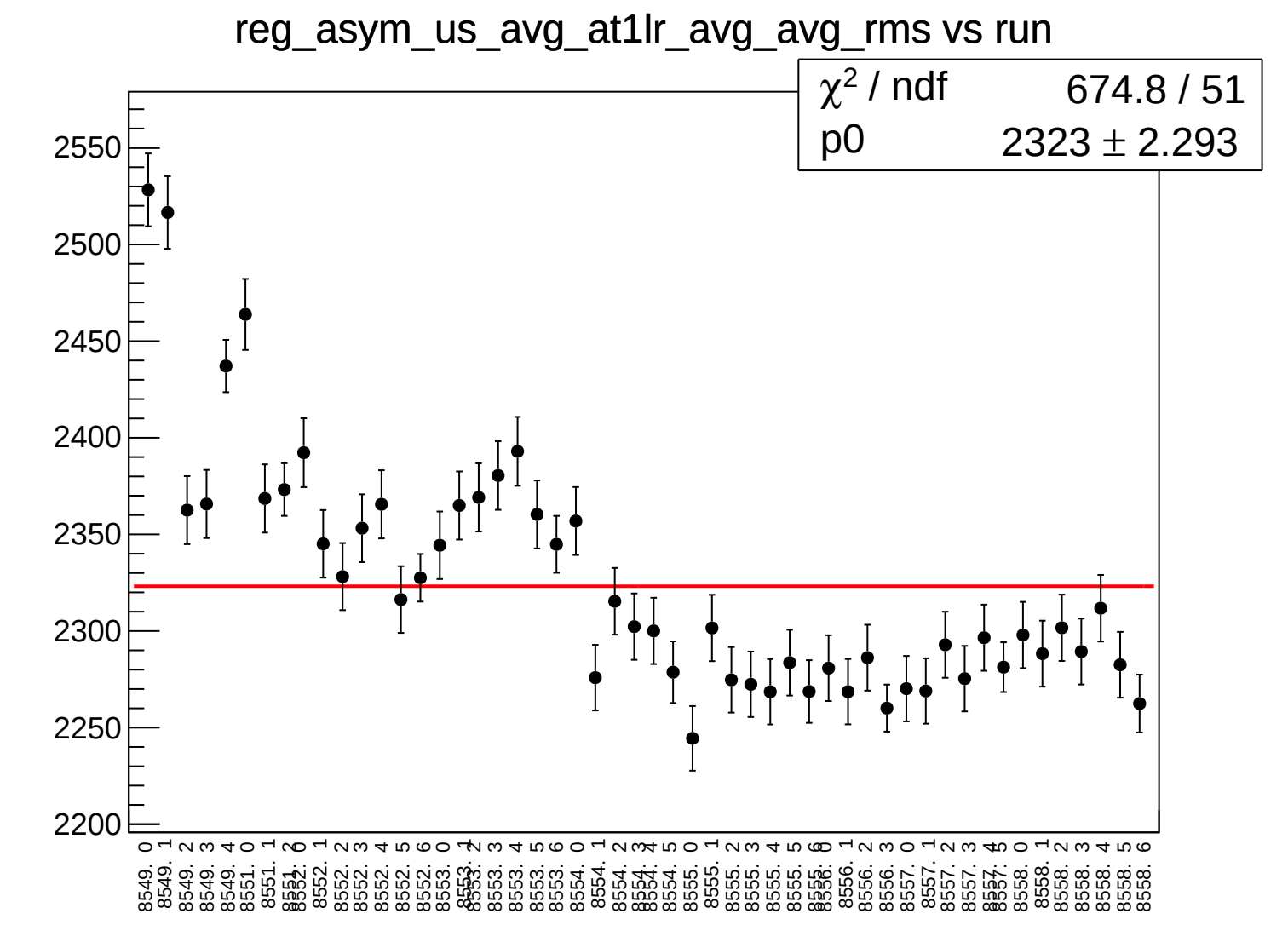

asym_usr_atr2_dd_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 55.59 / 51
p0 5.96e−14 ± 1.868e−13
pull
Entries 52
Mean 73.44
Std Dev 0

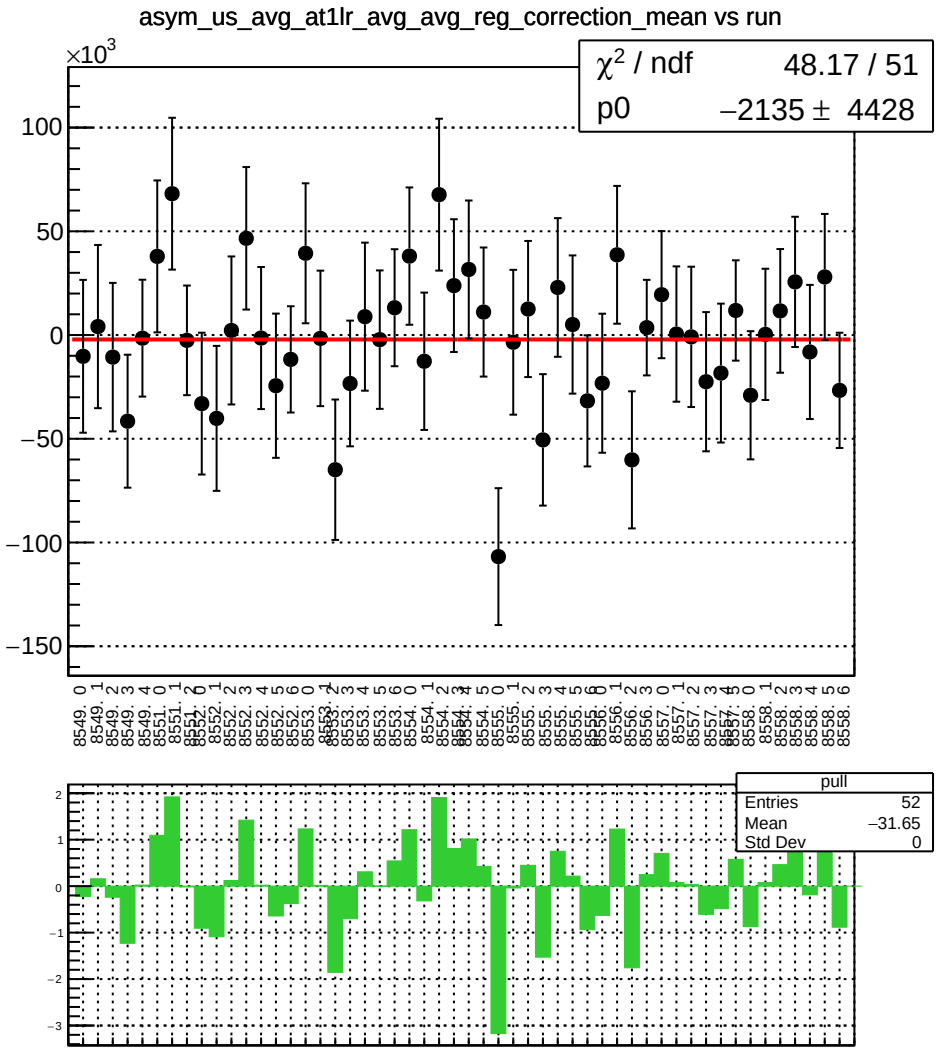

pull1D
Entries 52
Mean 0.08568
Std Dev 1.03

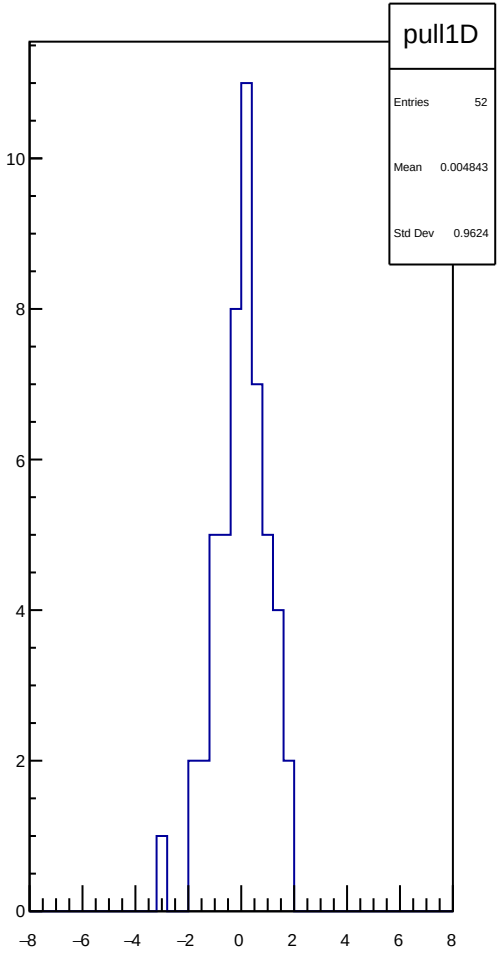

asym_usr_atr2_dd_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 3.832e+05 / 51
p0 1.06e−10 ± 1.321e−13
1.4
1.2
1
0.8
0.6
0.4
0.2
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 5
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

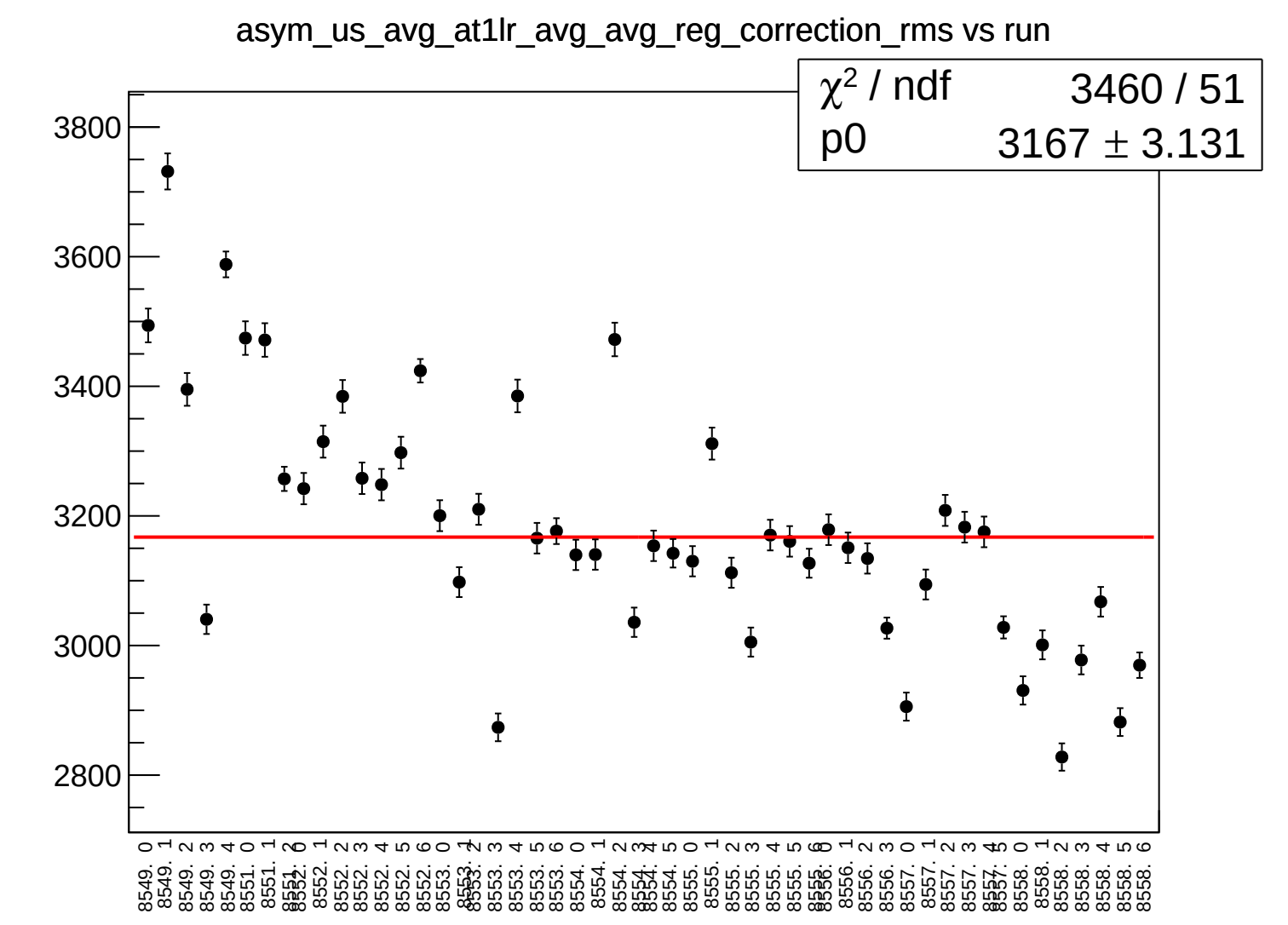

reg_asym_us_avg_at1lr_avg_avg_mean vs run
×10^3
χ² / ndf 72.1 / 51
p0 −4634 ± 3243
100
50
0
−50
−100
pull
Entries 52
Mean −153.7
Std Dev 0
2
1
0
−1
−2

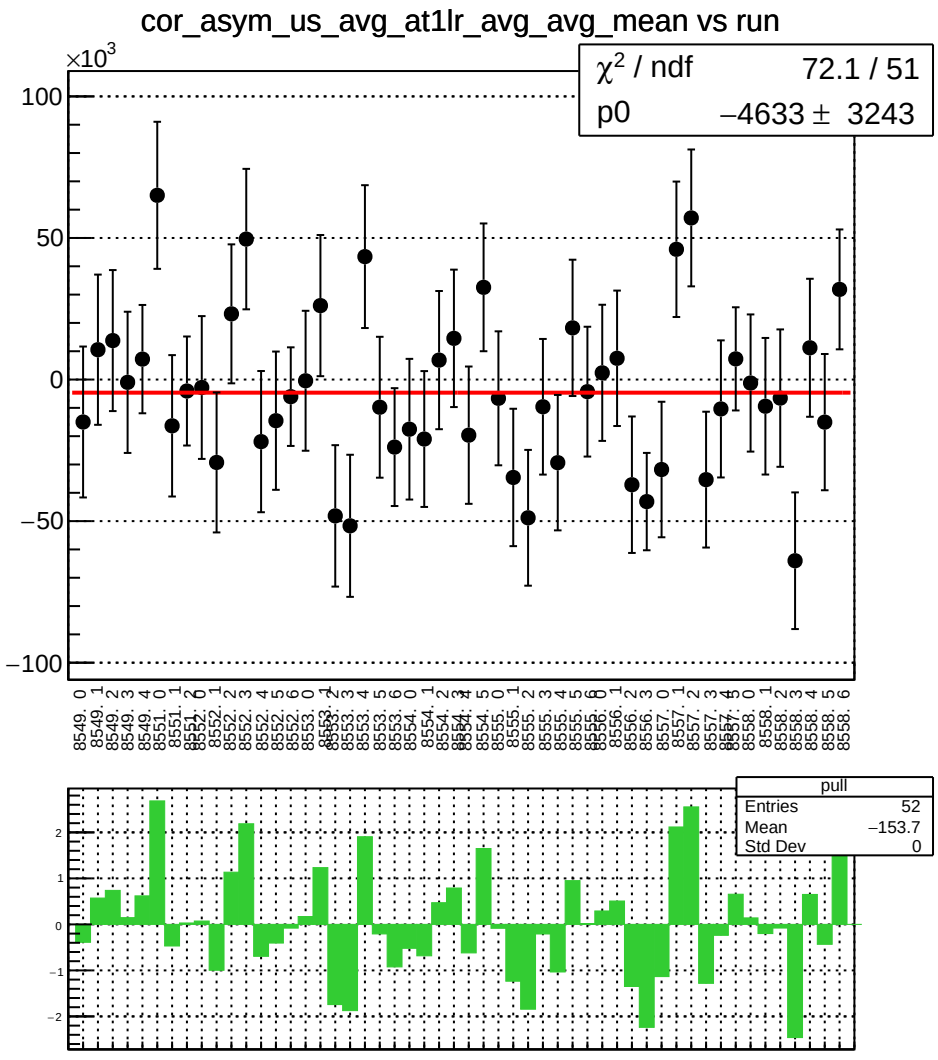

pull1D
Entries 52
Mean 0.01147
Std Dev 1.177
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

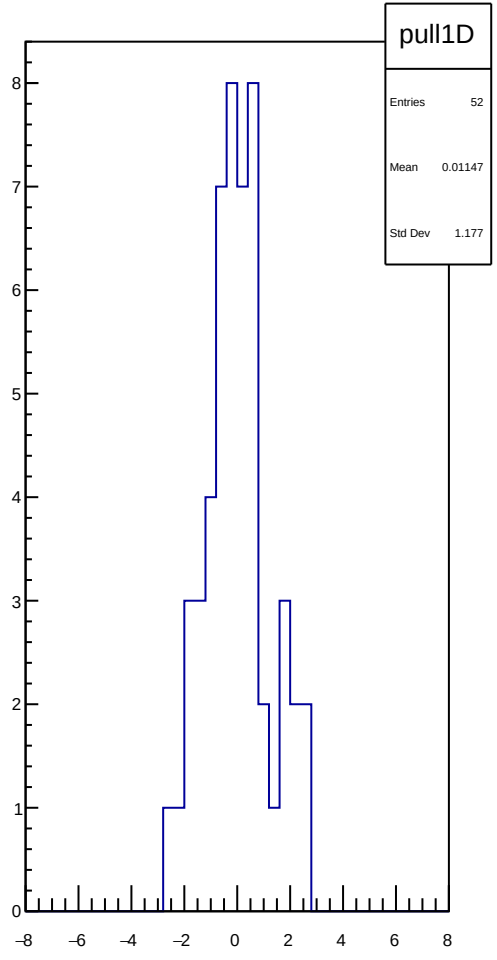

reg_asym_us_avg_at1lr_avg_avg_rms vs run
χ² / ndf 674.8 / 51
p0 2323 ± 2.293
2550
2500
2450
2400
2350
2300
2250
2200
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

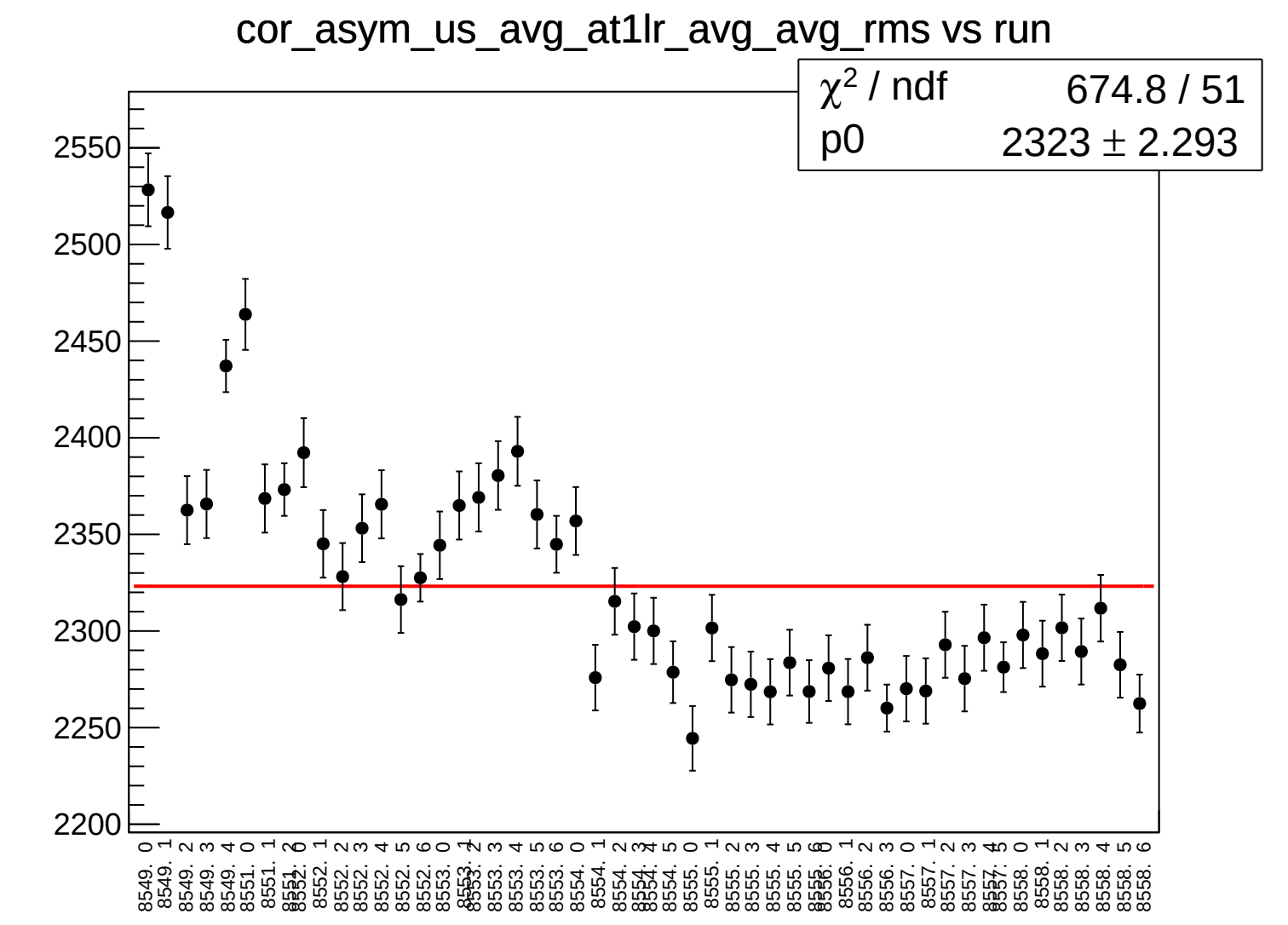

asym_us_avg_at1lr_avg_avg_reg_correction_mean vs run
×10^3
χ² / ndf 48.17 / 51
p0 −2135 ± 4428
100
50
0
−50
−100
−150
pull
Entries 52
Mean −31.65
Std Dev 0
2
1
0
−1
−2
−3

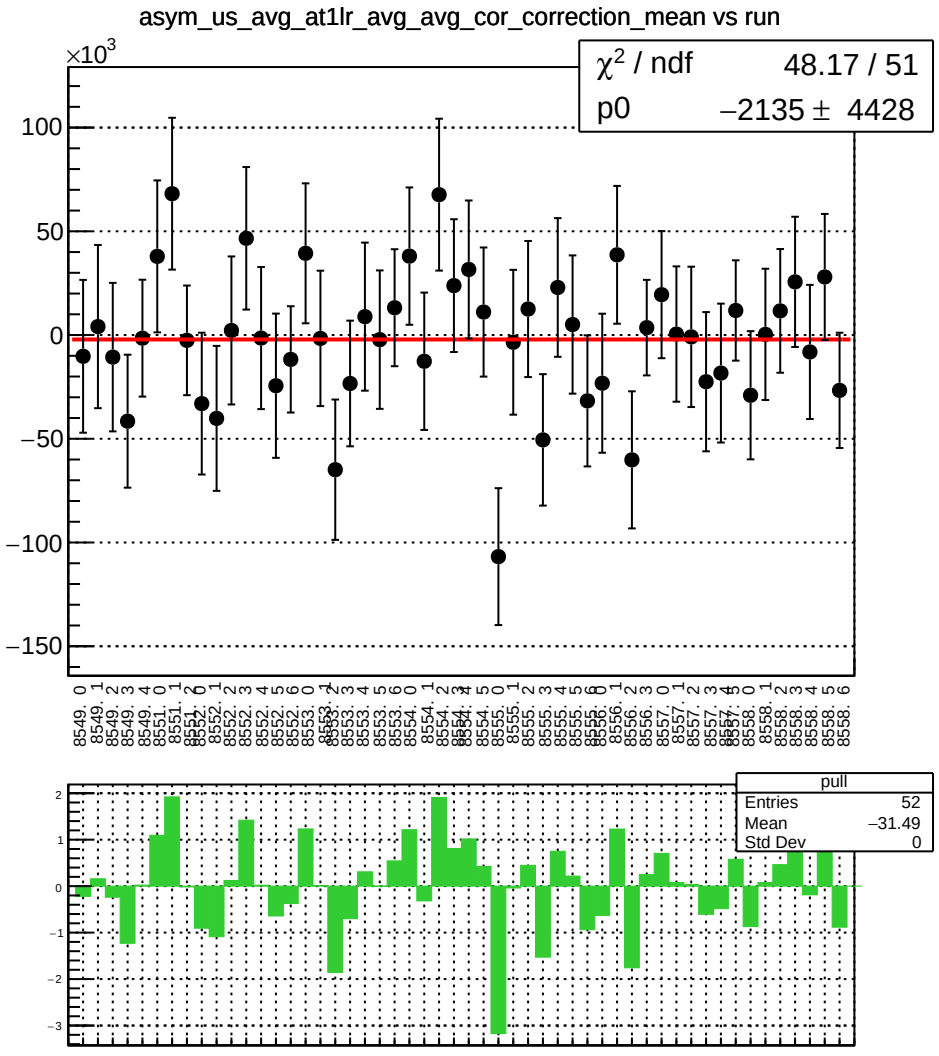

pull1D
Entries 52
Mean 0.004843
Std Dev 0.9624
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

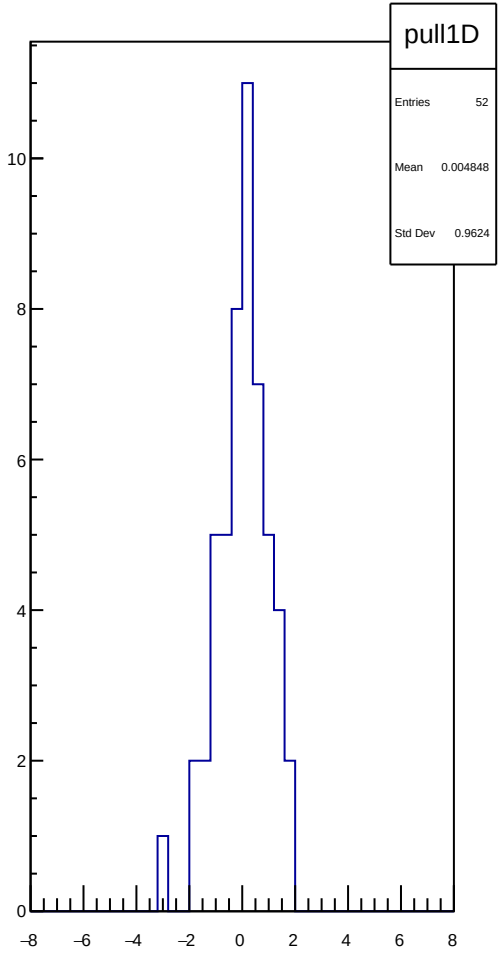

asym_us_avg_at1lr_avg_avg_reg_correction_rms vs run
χ² / ndf 3460 / 51
p0 3167 ± 3.131
3800
3600
3400
3200
3000
2800
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

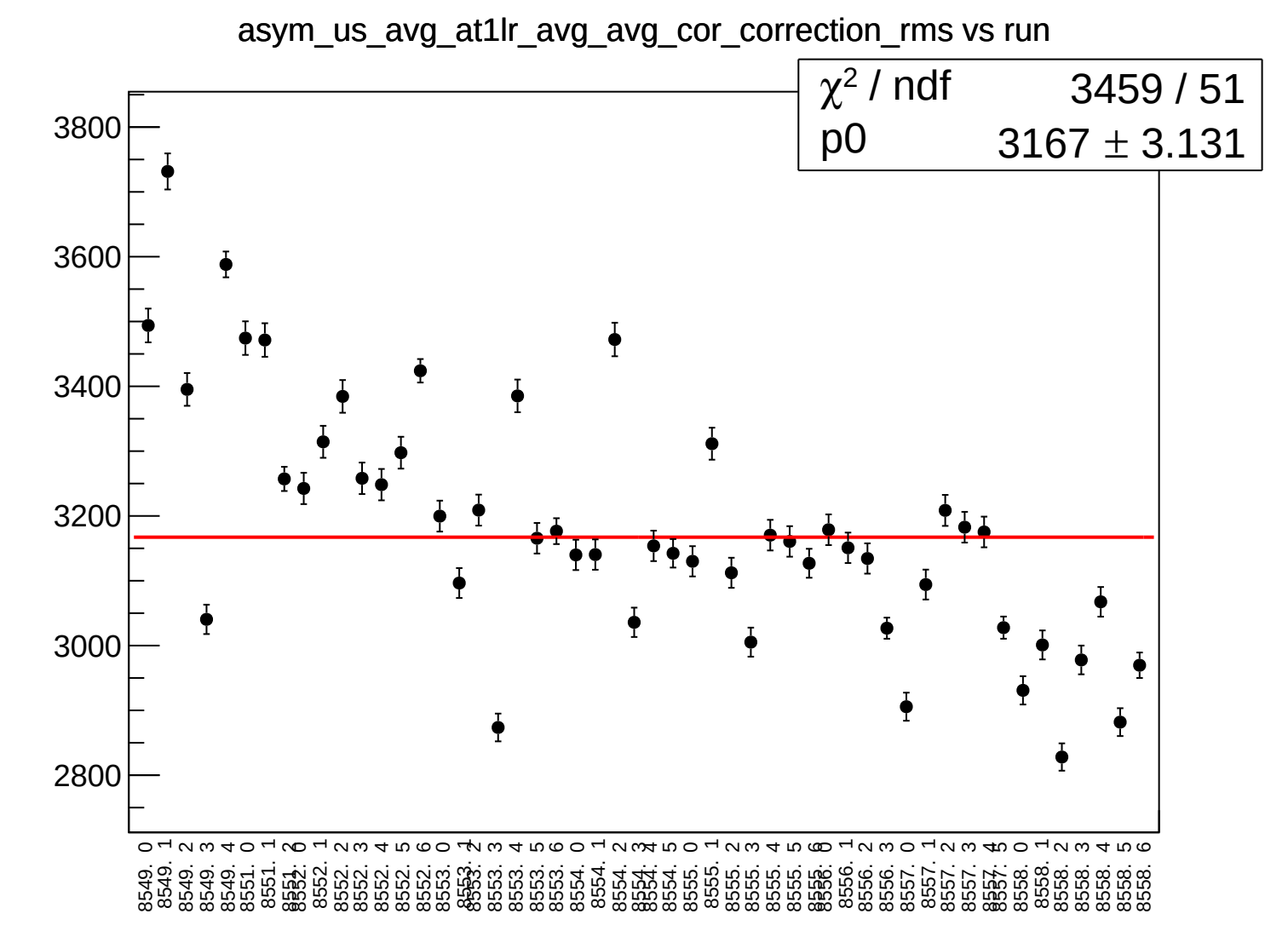

cor_asym_us_avg_at1lr_avg_avg_mean vs run
×10^3
χ² / ndf 72.1 / 51
p0 −4633 ± 3243
100
50
0
−50
−100
pull
Entries 52
Mean −153.7
Std Dev 0
2
1
0
−1
−2


pull1D
Entries 52
Mean 0.01147
Std Dev 1.177
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 674.8 / 51
p0 2323 ± 2.293
2550
2500
2450
2400
2350
2300
2250
2200
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6


asym_us_avg_at1lr_avg_avg_cor_correction_mean vs run
×10^3
χ² / ndf 48.17 / 51
p0 −2135 ± 4428
100
50
0
−50
−100
−150
pull
Entries 52
Mean −31.49
Std Dev 0
2
1
0
−1
−2
−3


pull1D
Entries 52
Mean 0.004848
Std Dev 0.9624
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


asym_us_avg_at1lr_avg_avg_cor_correction_rms vs run
χ² / ndf 3459 / 51
p0 3167 ± 3.131
3800
3600
3400
3200
3000
2800
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
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8555. 4
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8556. 1
8556. 2
8556. 3
8557. 0
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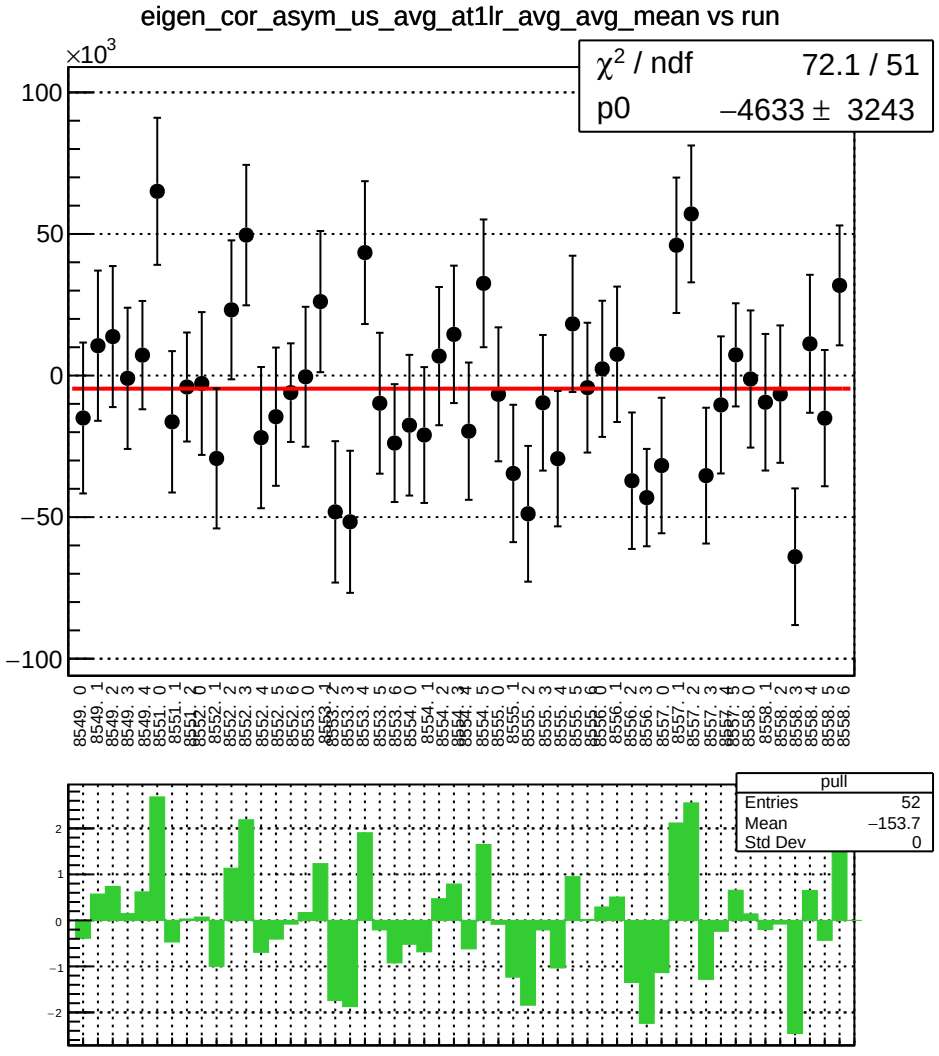
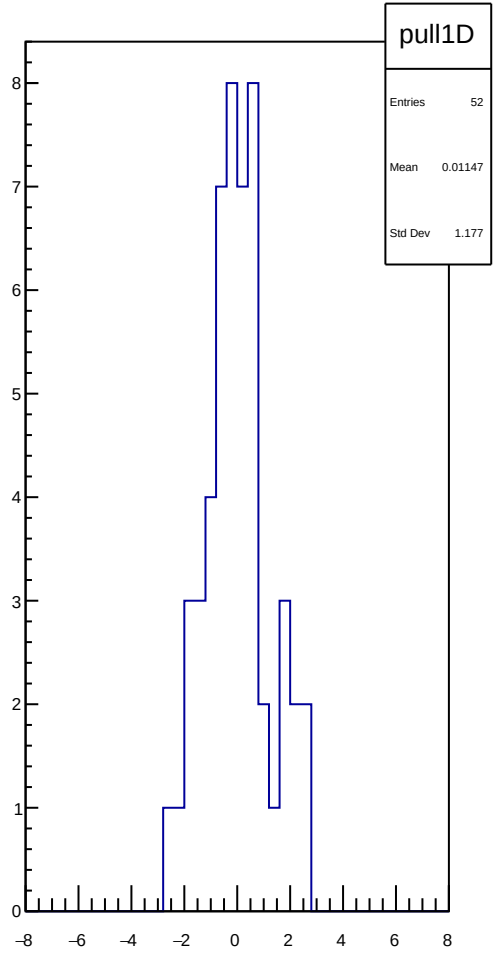
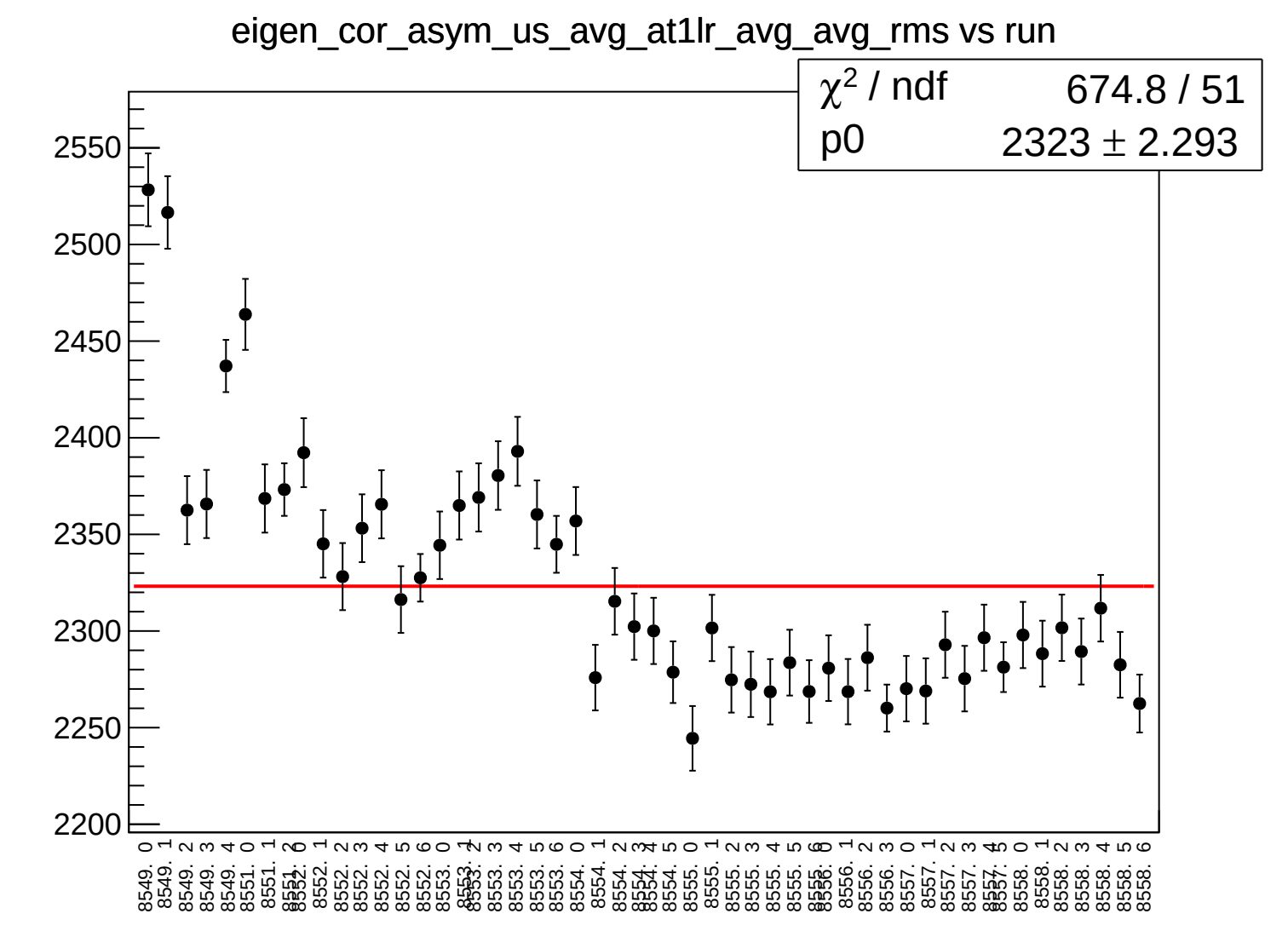
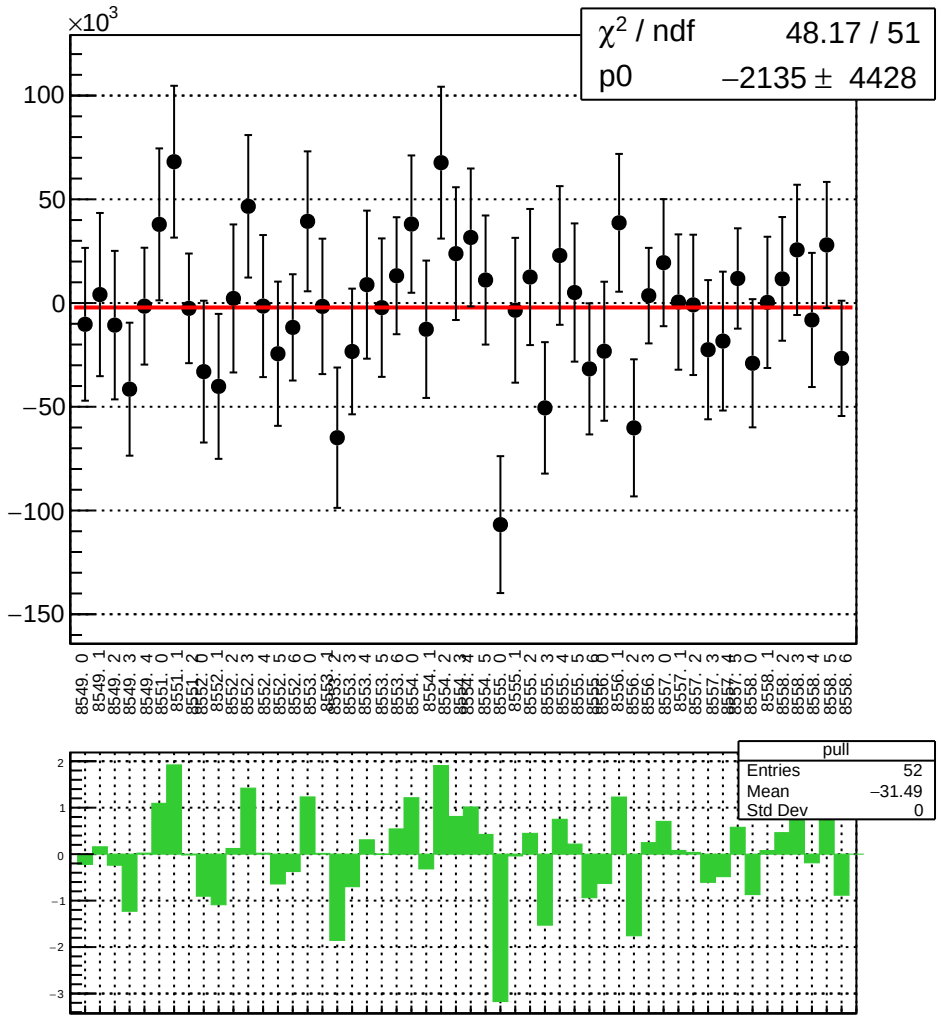
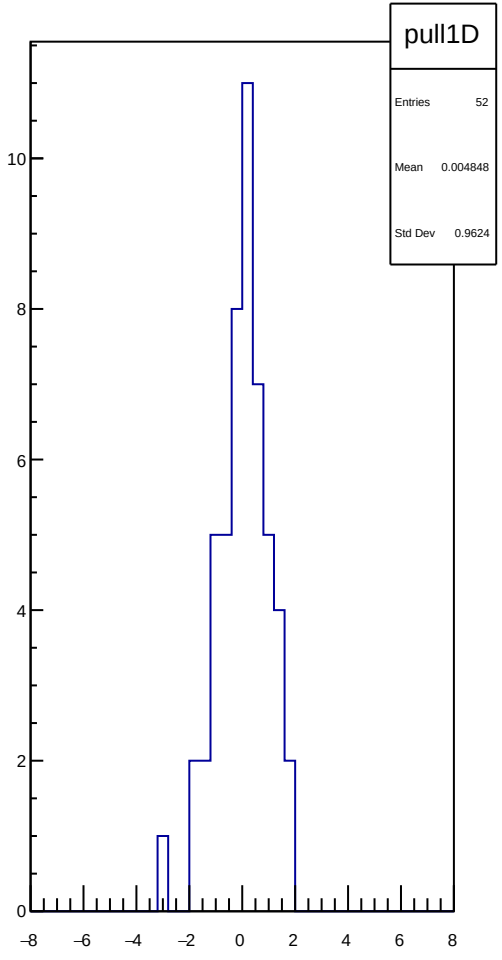
8558. 5
8558. 6

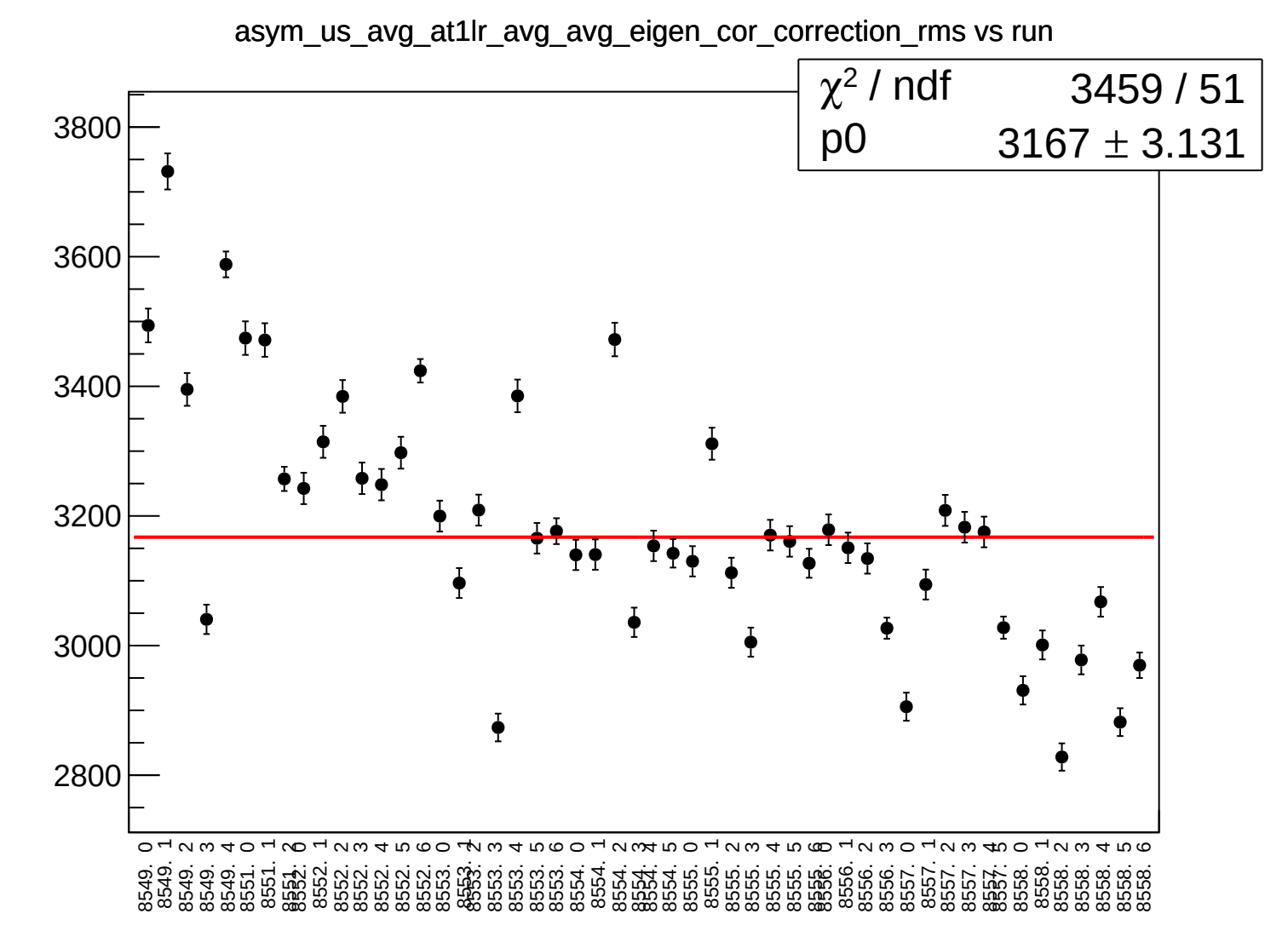

eigen_cor_asym_us_avg_at1lr_avg_avg_mean vs run
×10^3
χ² / ndf 72.1 / 51
p0 −4633 ± 3243
100
50
0
−50
−100
pull
Entries 52
Mean −153.7
Std Dev 0
2
1
0
−1
−2


pull1D
Entries 52
Mean 0.01147
Std Dev 1.177
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


eigen_cor_asym_us_avg_at1lr_avg_avg_rms vs run
χ² / ndf 674.8 / 51
p0 2323 ± 2.293
2550
2500
2450
2400
2350
2300
2250
2200
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6


asym_us_avg_at1lr_avg_avg_eigen_cor_correction_mean vs run
×10^3
χ² / ndf 48.17 / 51
p0 −2135 ± 4428
100
50
0
−50
−100
−150
pull
Entries 52
Mean −31.49
Std Dev 0
2
1
0
−1
−2
−3


pull1D
Entries 52
Mean 0.004848
Std Dev 0.9624
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


asym_us_avg_at1lr_avg_avg_eigen_cor_correction_rms vs run
χ² / ndf 3459 / 51
p0 3167 ± 3.131
3800
3600
3400
3200
3000
2800
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
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8554. 2
8555. 0
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8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
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8557. 3
8558. 0
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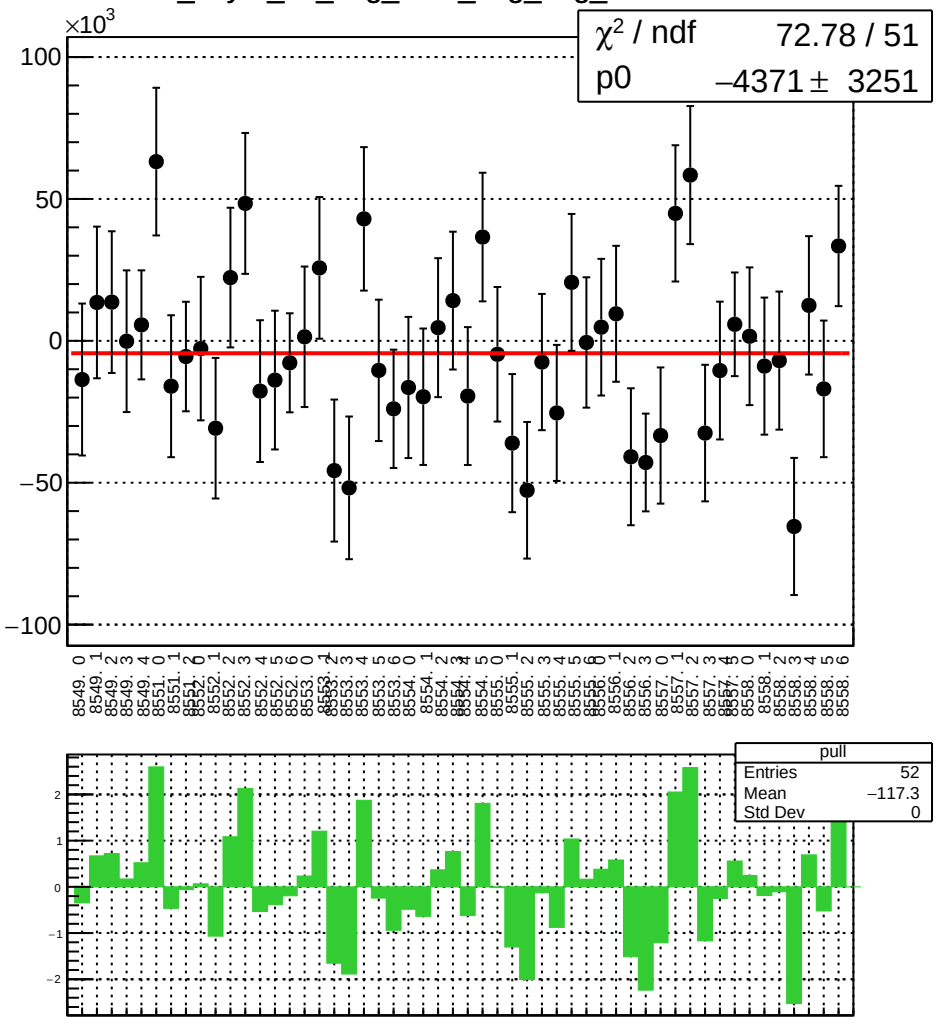
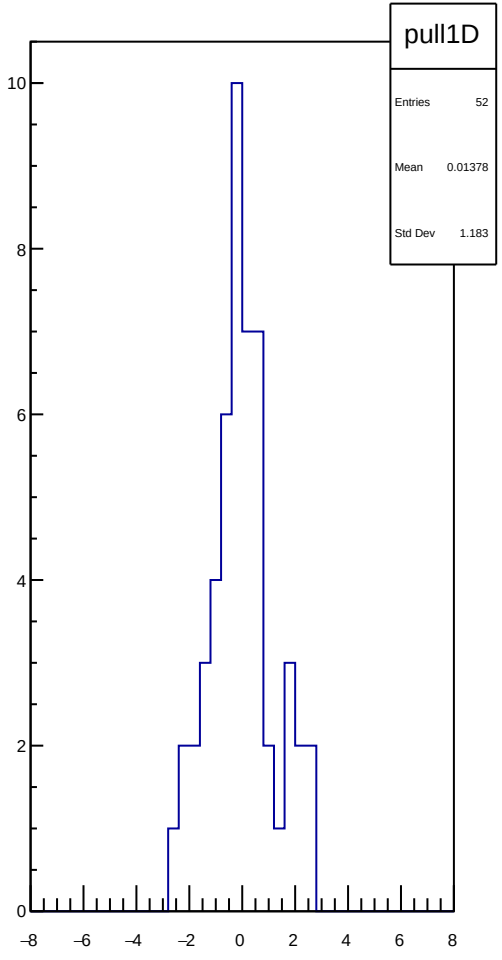
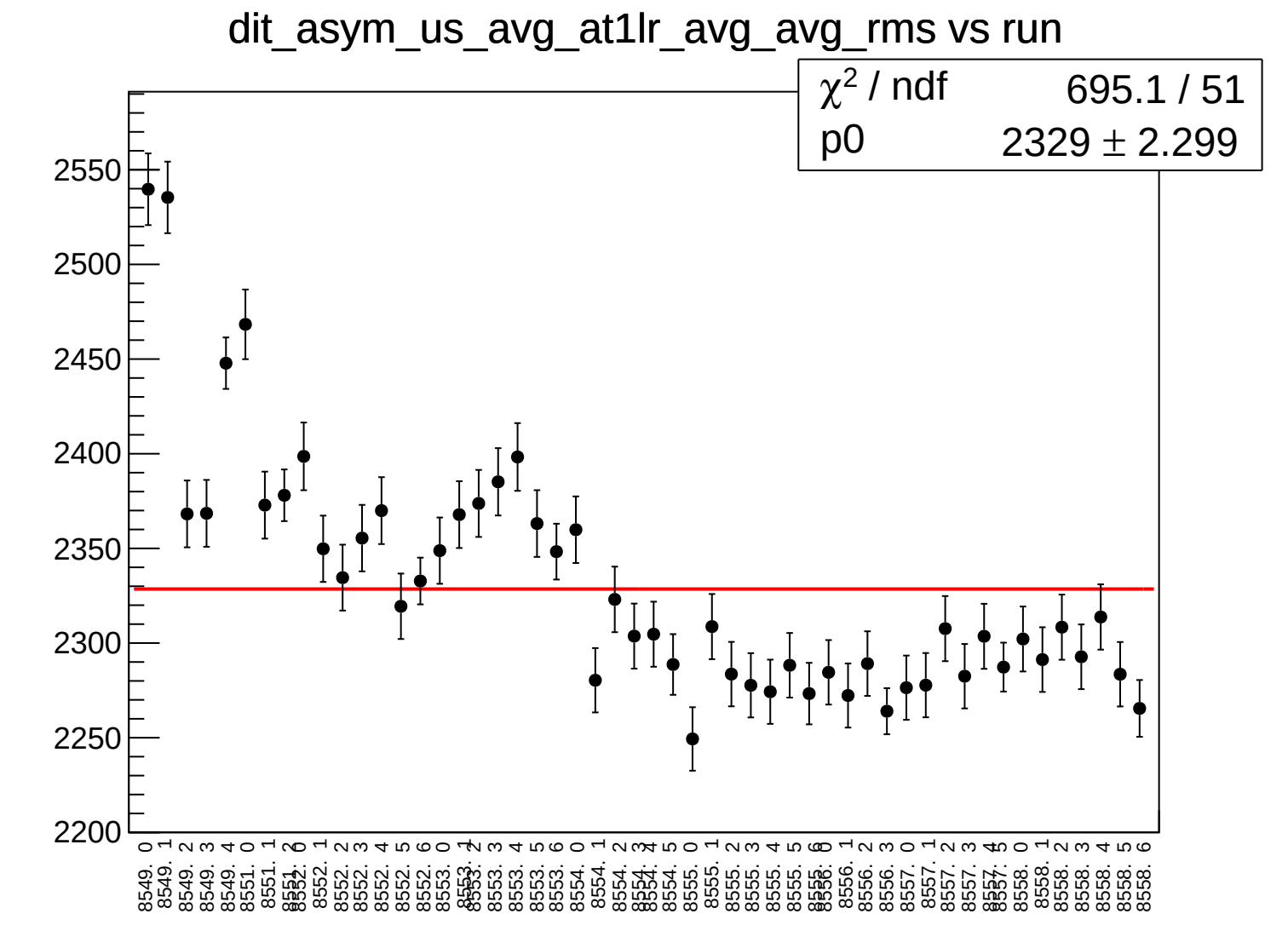
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6


dit_asym_us_avg_at1lr_avg_avg_mean vs run
×10^3
χ^2 / ndf 72.78 / 51
p0 −4371 ± 3251
100
50
0
−50
−100
pull
Entries 52
Mean −117.3
Std Dev 0
2
1
0
−1
−2


pull1D
Entries 52
Mean 0.01378
Std Dev 1.183
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


dit_asym_us_avg_at1lr_avg_avg_rms vs run
χ² / ndf 695.1 / 51
p0 2329 ± 2.299
2550
2500
2450
2400
2350
2300
2250
2200
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
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8555. 0
8555. 1
8555. 2
8555. 3
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8556. 1
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8557. 0
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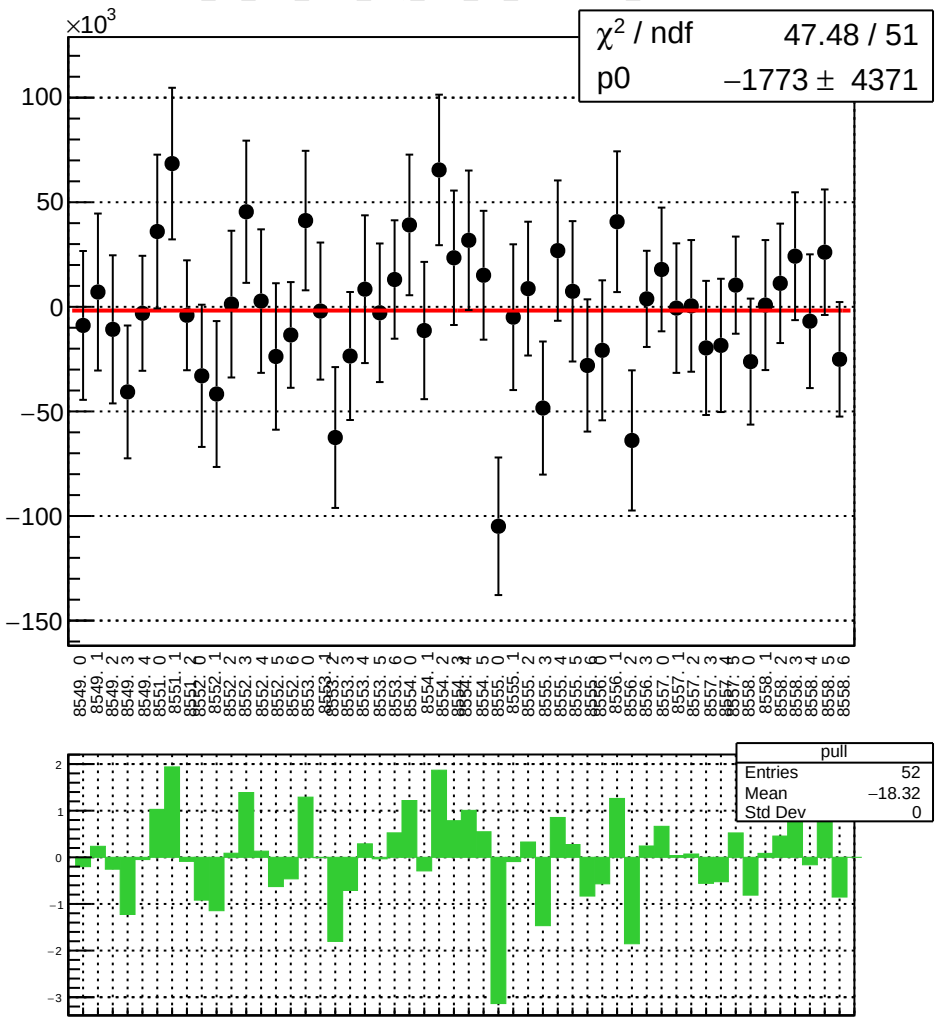
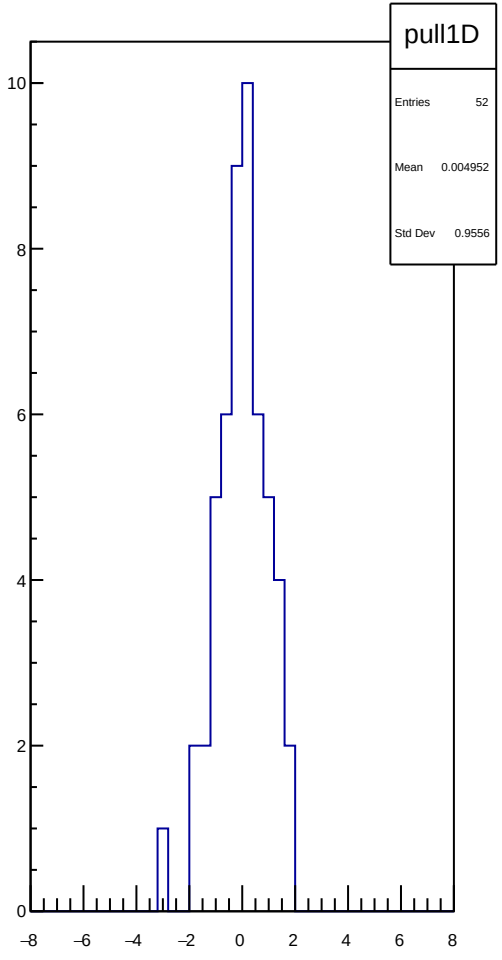
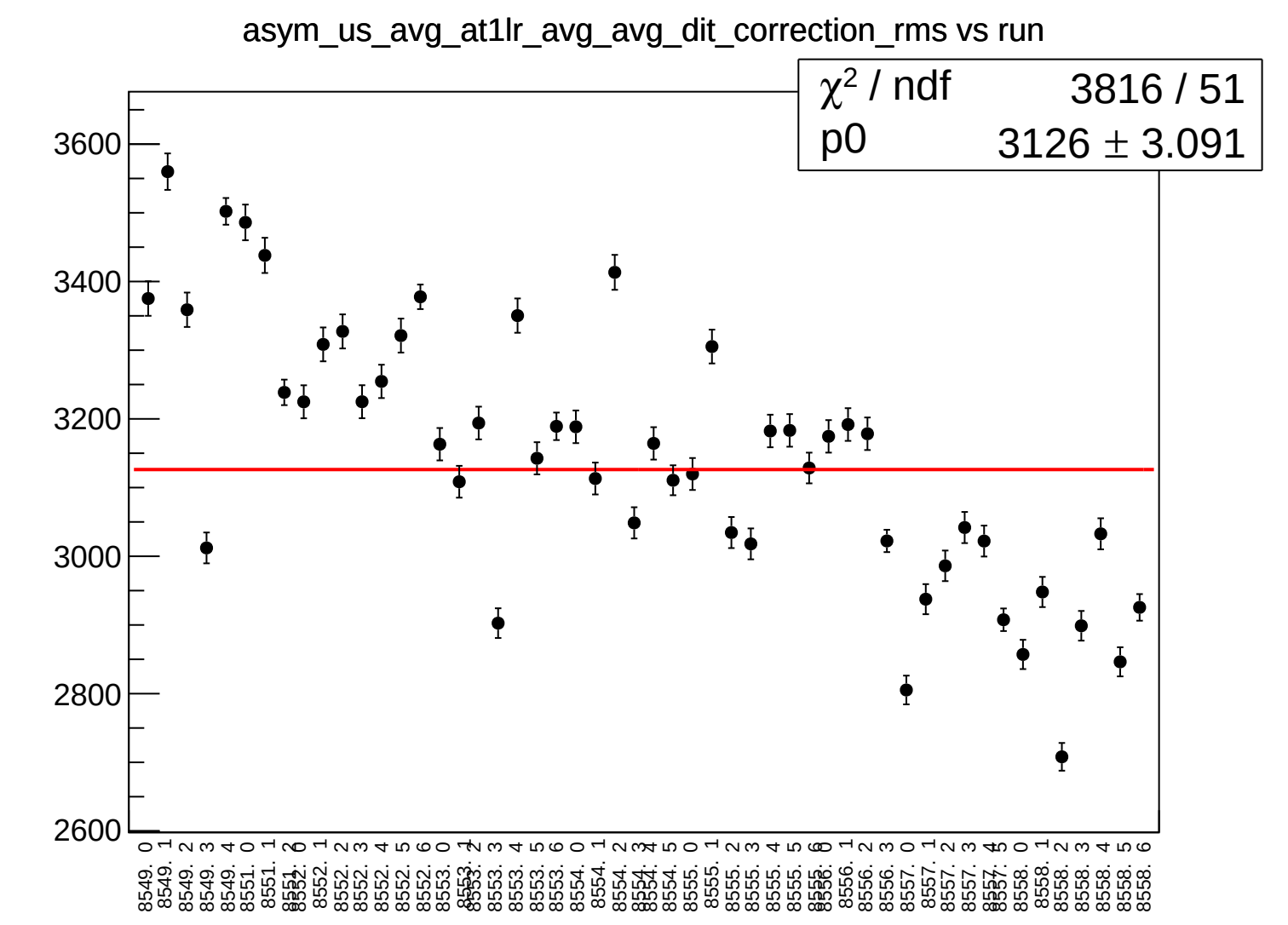
8558. 5
8558. 6


asym_us_avg_at1lr_avg_avg_dit_correction_mean vs run
×10^3
χ² / ndf 47.48 / 51
p0 −1773 ± 4371
pull
Entries 52
Mean −18.32
Std Dev 0


pull1D
Entries 52
Mean 0.004952
Std Dev 0.9556


asym_us_avg_at1lr_avg_avg_dit_correction_rms vs run
χ² / ndf 3816 / 51
p0 3126 ± 3.091
3600
3400
3200
3000
2800
2600
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
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8552. 3
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8558. 1
8558. 2
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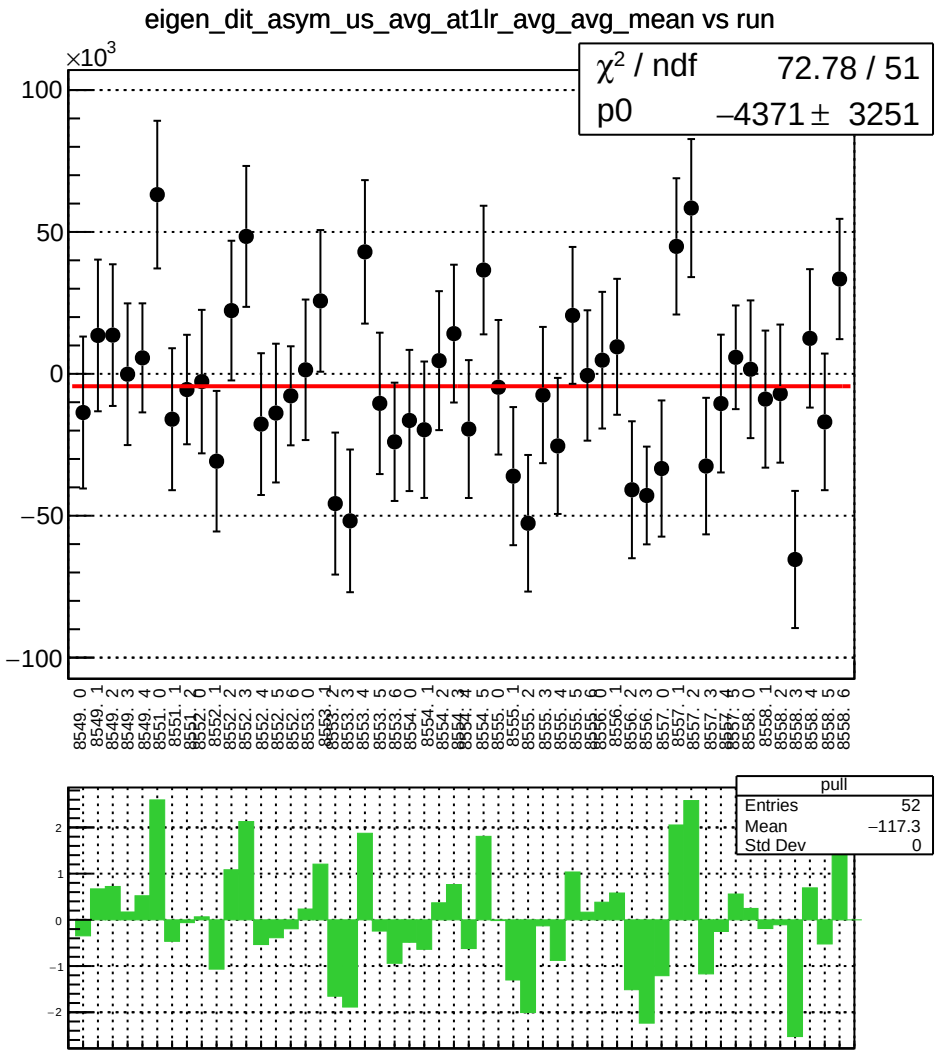
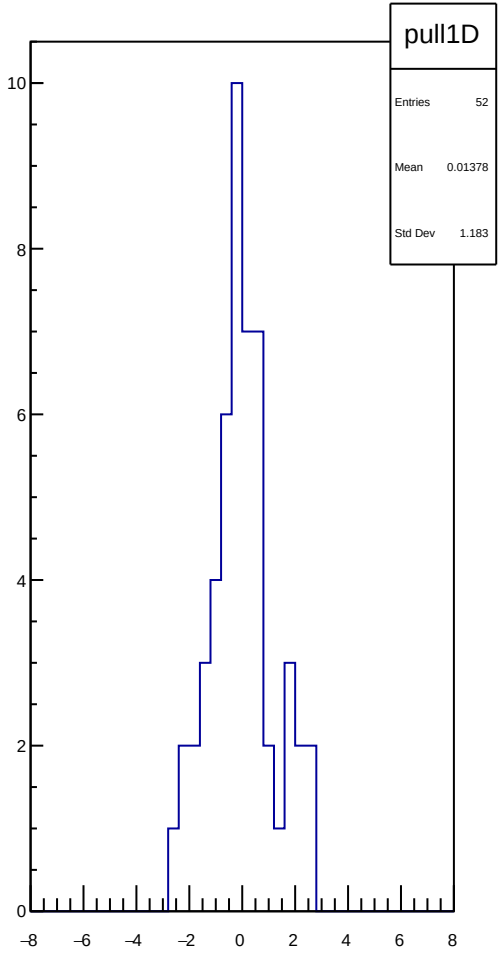
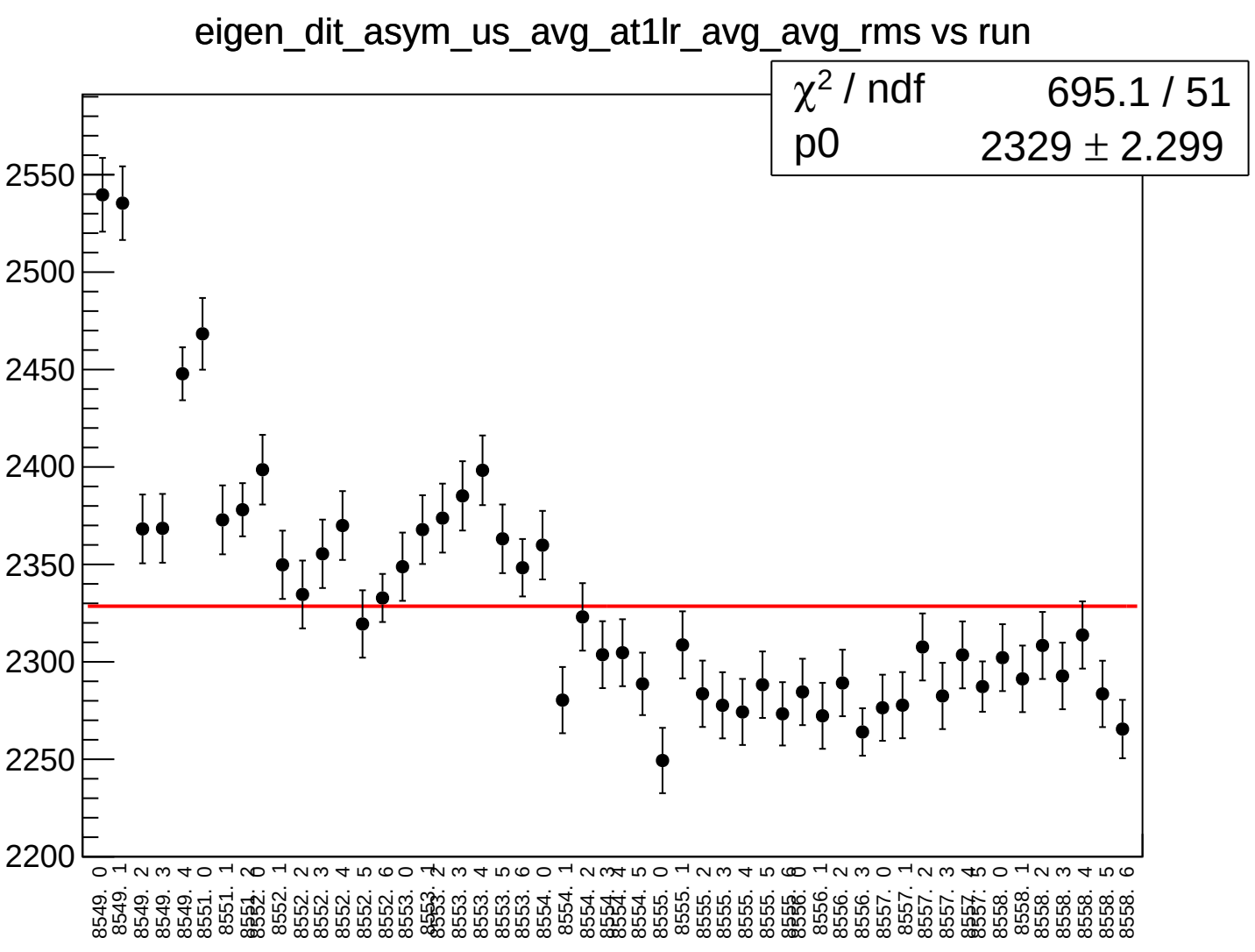
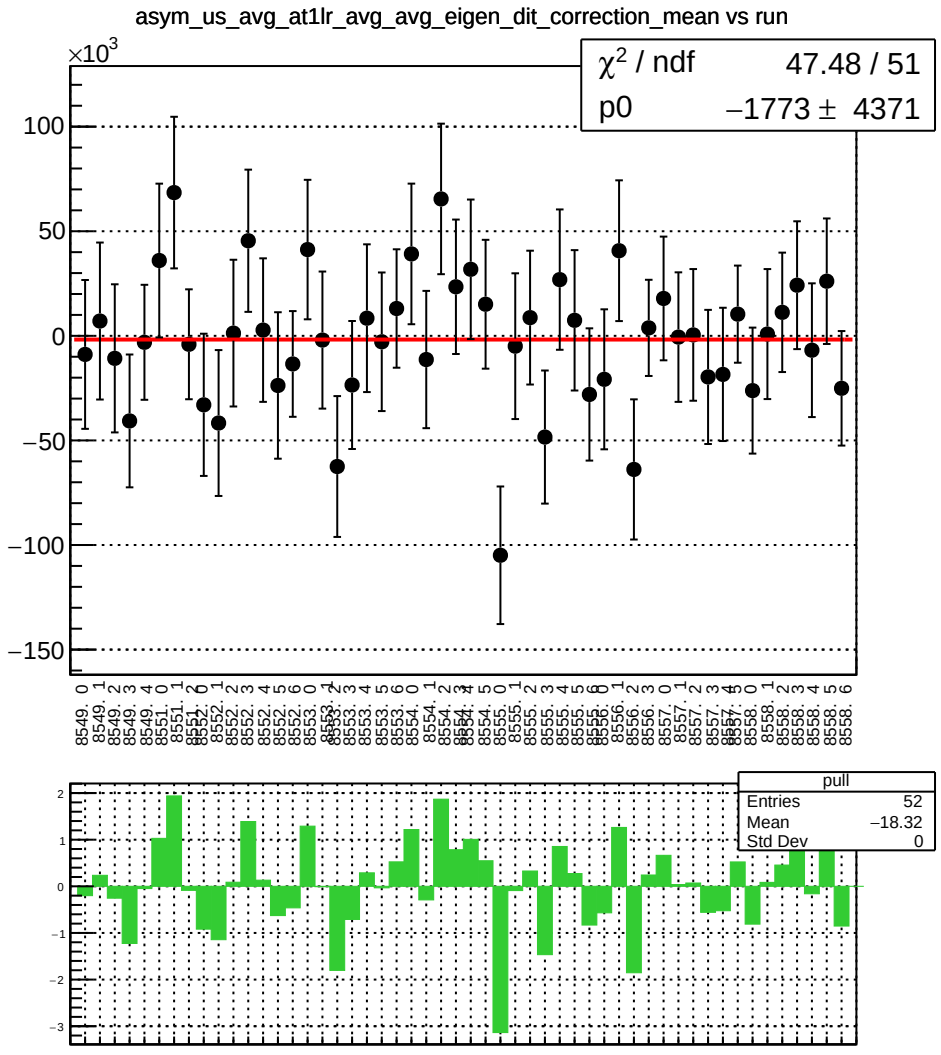
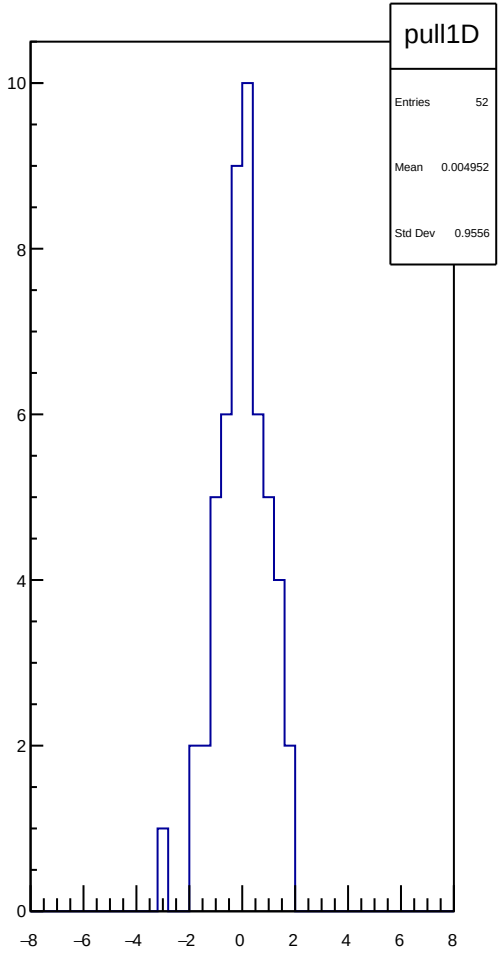
8558. 4
8558. 5
8558. 6

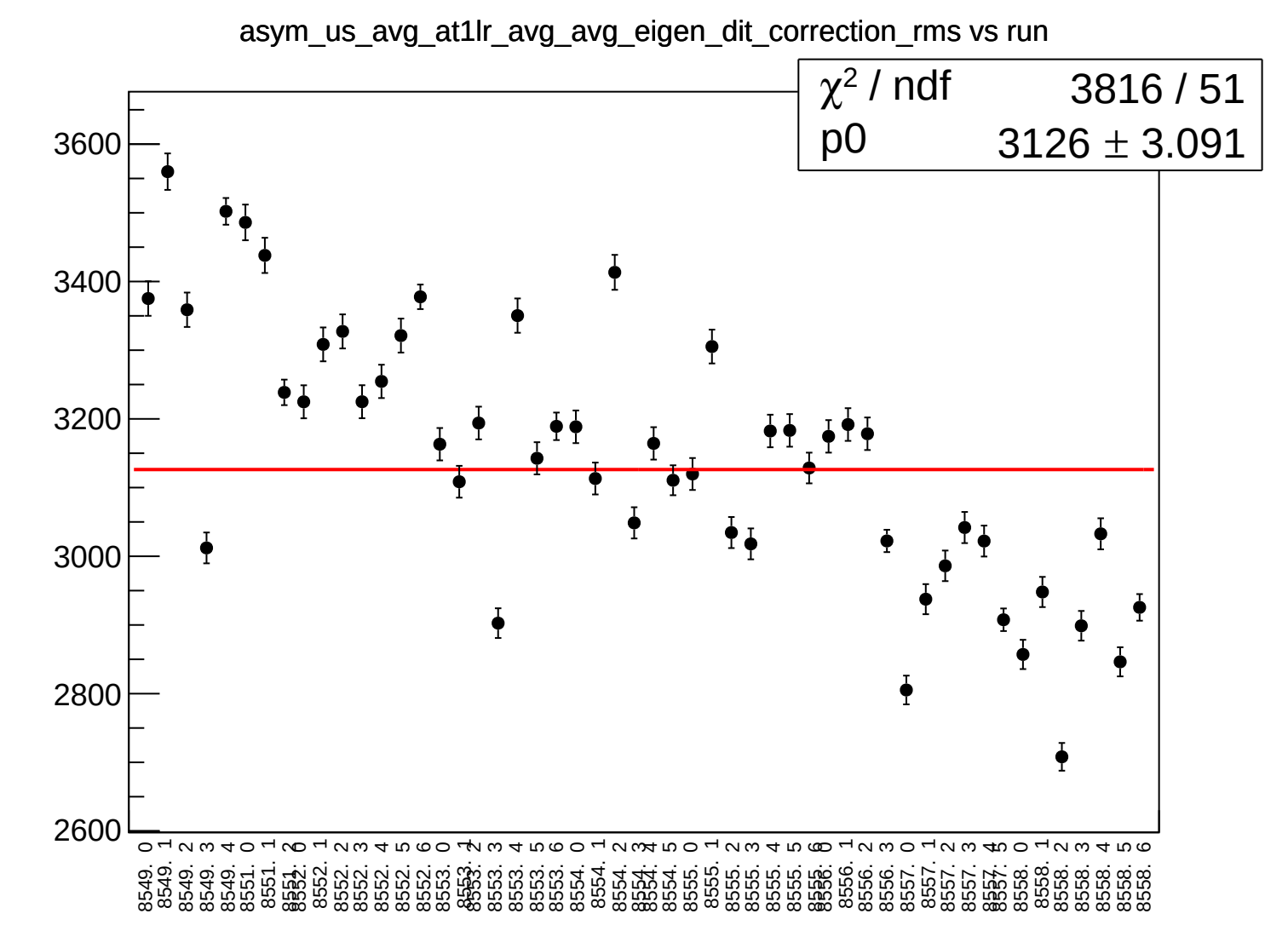

eigen_dit_asym_us_avg_at1lr_avg_avg_mean vs run
×10^3
χ² / ndf 72.78 / 51
p0 −4371 ± 3251
100
50
0
−50
−100
pull
Entries 52
Mean −117.3
Std Dev 0
2
1
0
−1
−2

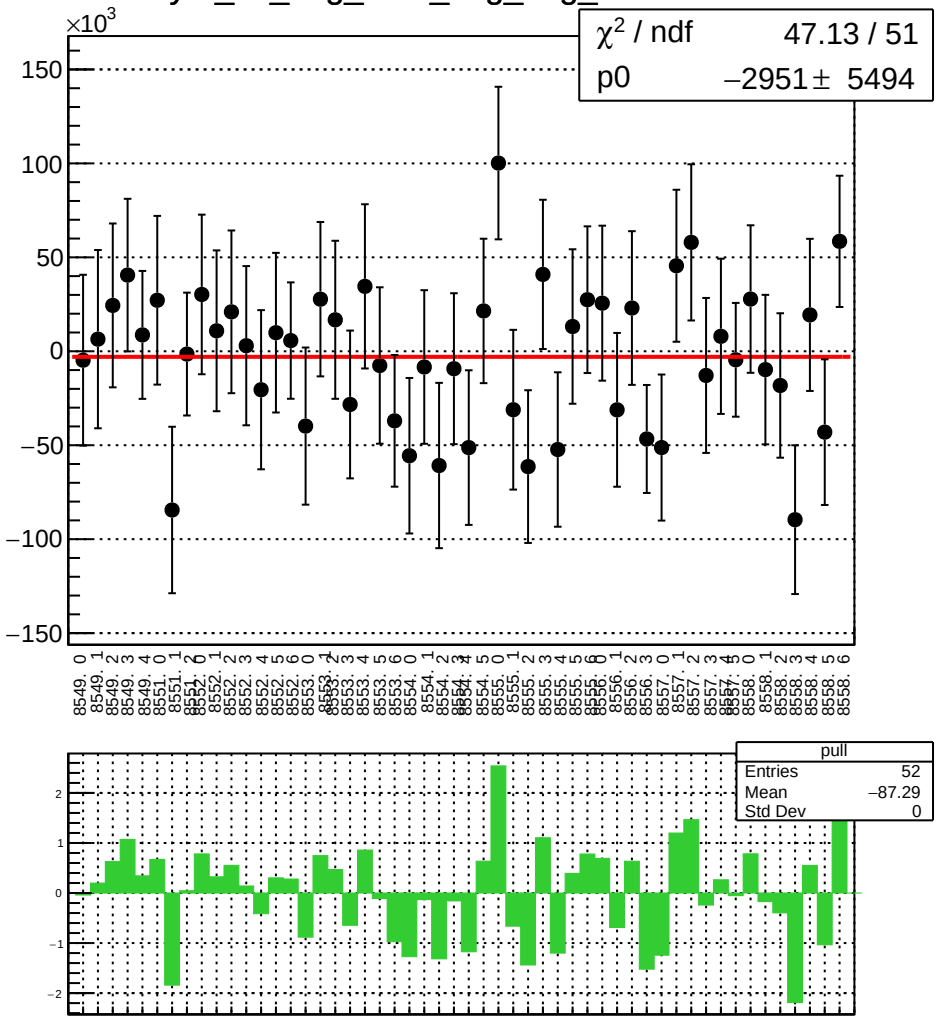

pull1D
Entries 52
Mean 0.01378
Std Dev 1.183
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

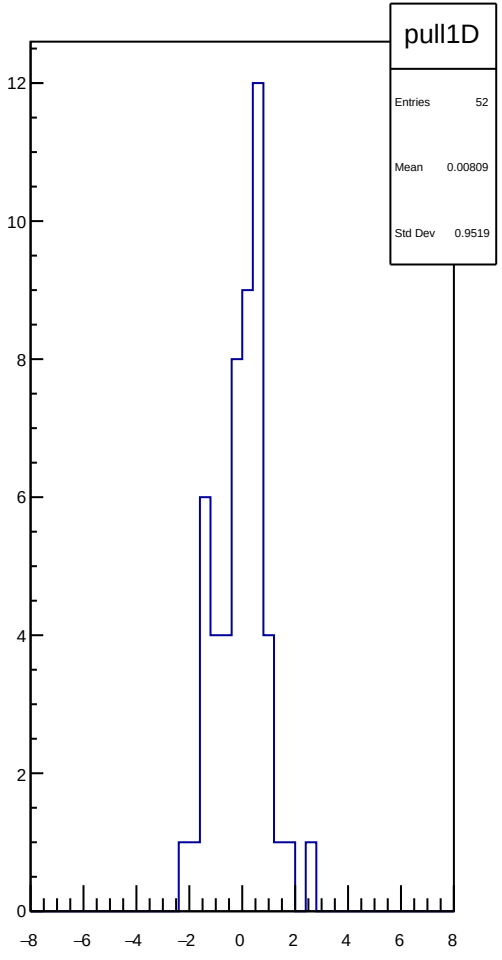

eigen_dit_asym_us_avg_at1lr_avg_avg_rms vs run
χ² / ndf 695.1 / 51
p0 2329 ± 2.299
2550
2500
2450
2400
2350
2300
2250
2200
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

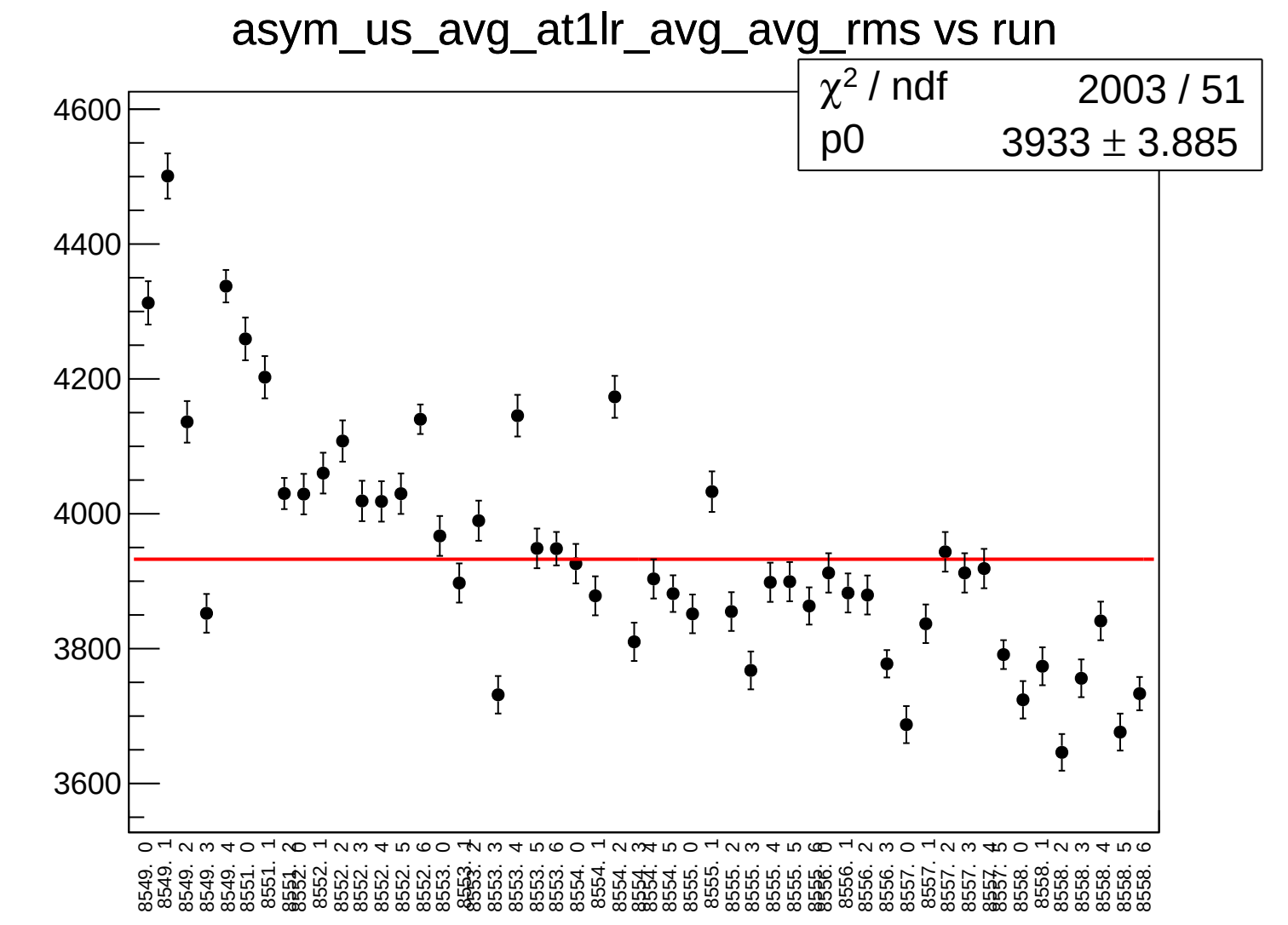

asym_us_avg_at1lr_avg_avg_eigen_dit_correction_mean vs run
×10^3
χ² / ndf 47.48 / 51
p0 −1773 ± 4371
100
50
0
−50
−100
−150
pull
Entries 52
Mean −18.32
Std Dev 0
2
1
0
−1
−2
−3

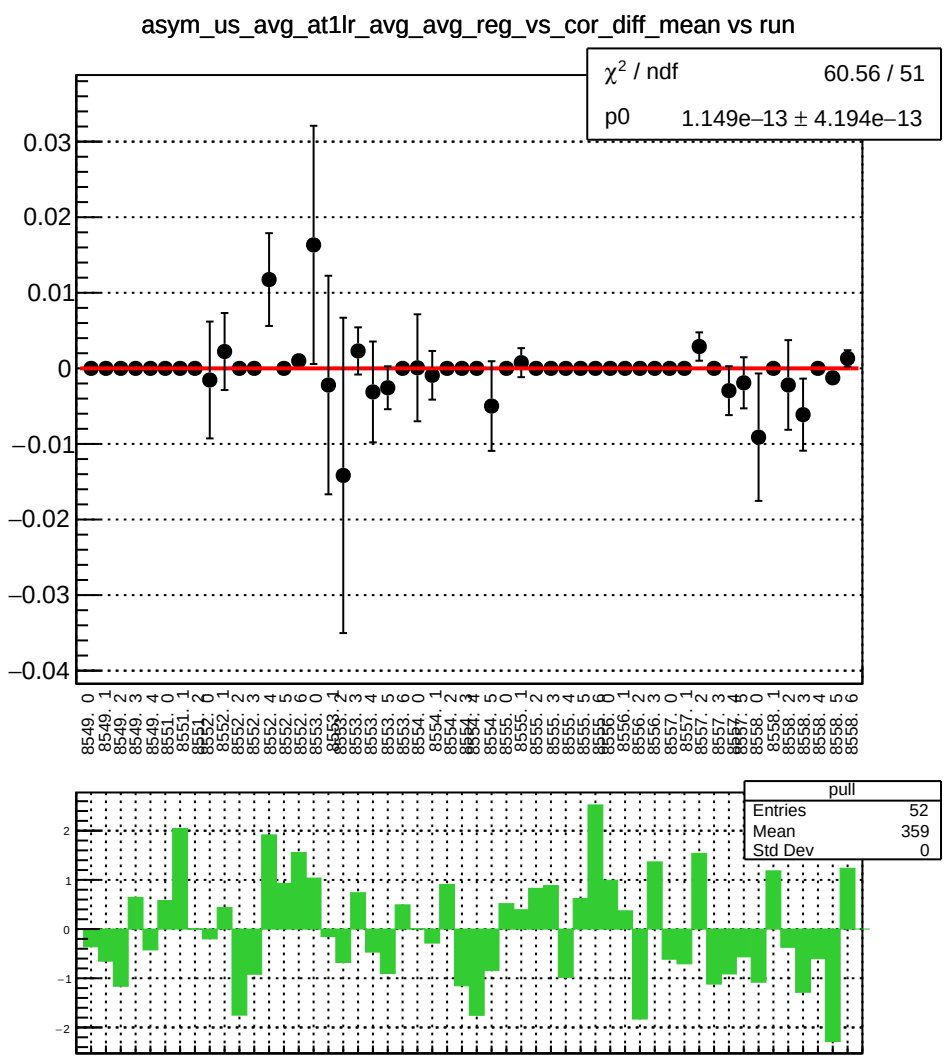

pull1D
Entries 52
Mean 0.004952
Std Dev 0.9556
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

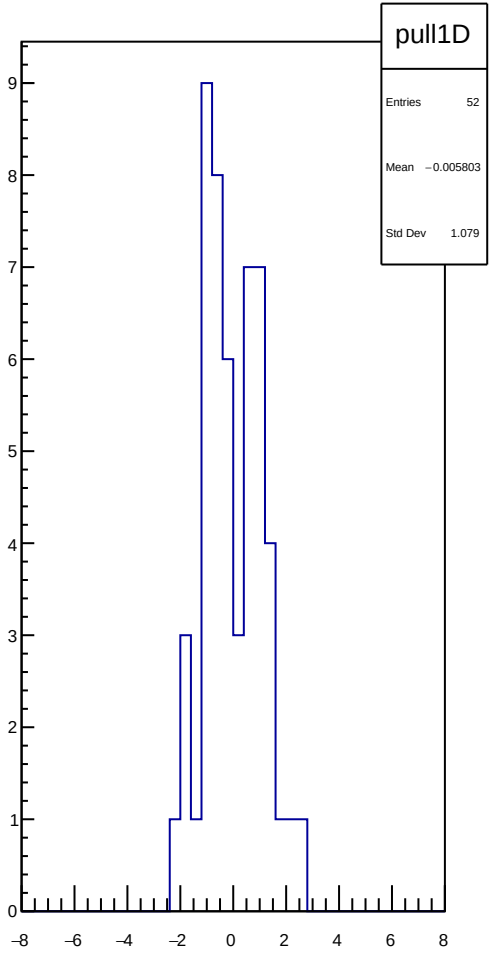

asym_us_avg_at1lr_avg_avg_eigen_dit_correction_rms vs run
χ² / ndf 3816 / 51
p0 3126 ± 3.091
3600
3400
3200
3000
2800
2600
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 5
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

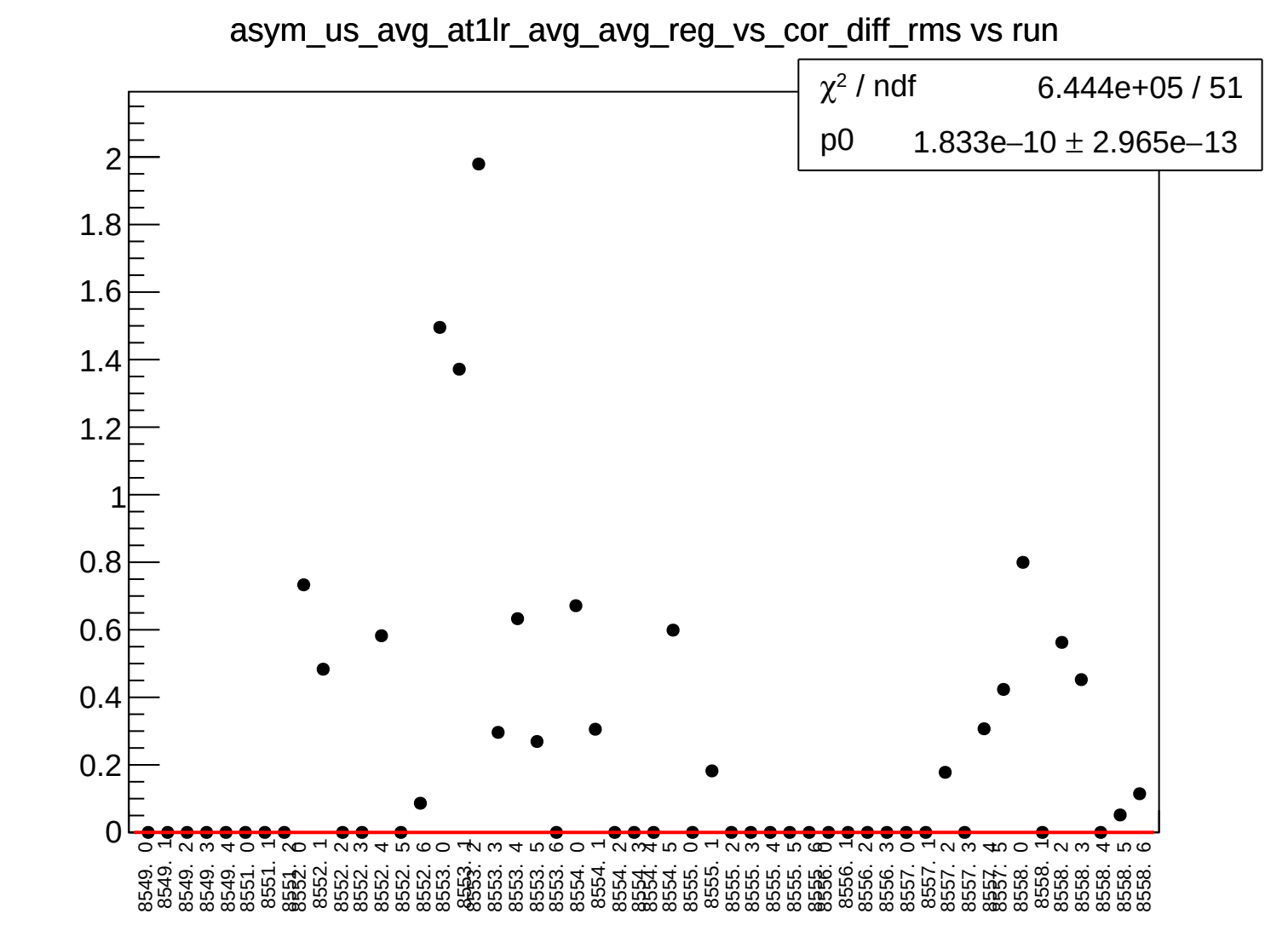

asym_us_avg_at1lr_avg_avg_mean vs run
×10^3
χ² / ndf 47.13 / 51
p0 −2951 ± 5494
150
100
50
0
−50
−100
−150
pull
Entries 52
Mean −87.29
Std Dev 0
2
1
0
−1
−2

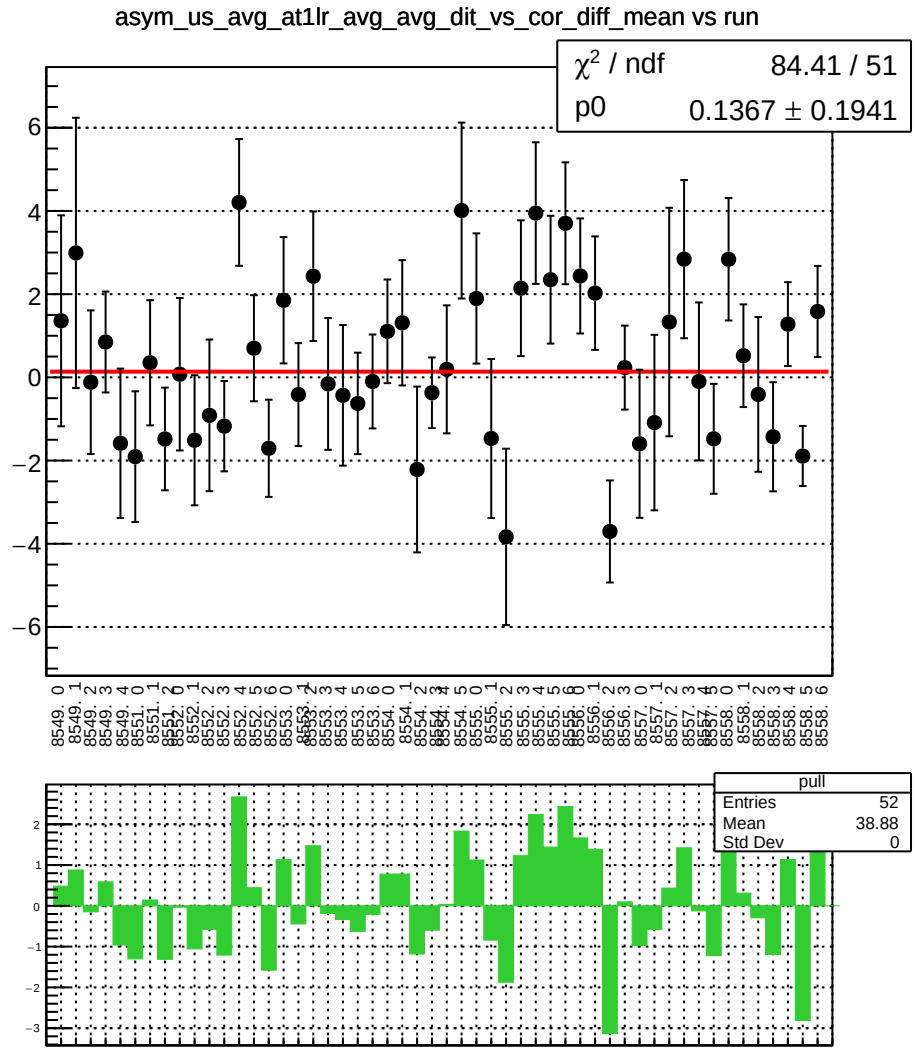

pull1D
Entries 52
Mean 0.00809
Std Dev 0.9519
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

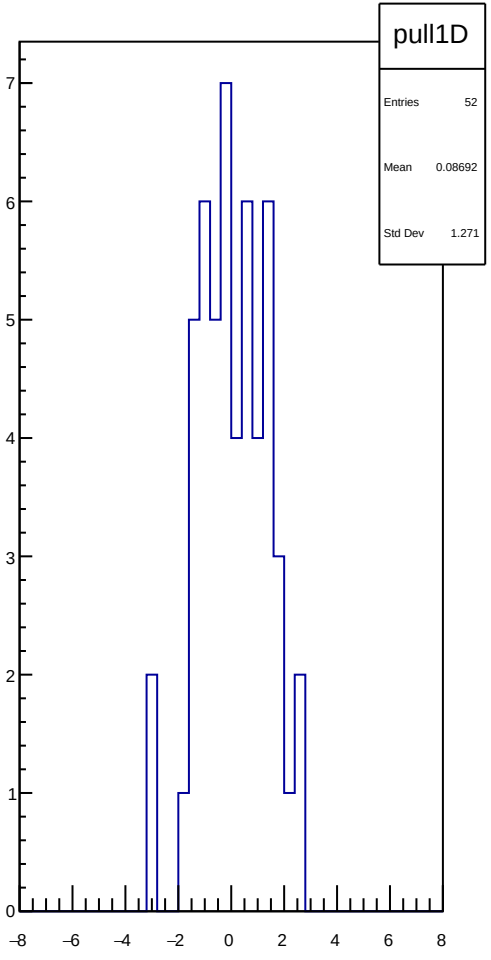

asym_us_avg_at1lr_avg_avg_rms vs run
χ² / ndf 2003 / 51
p0 3933 ± 3.885
4600
4400
4200
4000
3800
3600
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

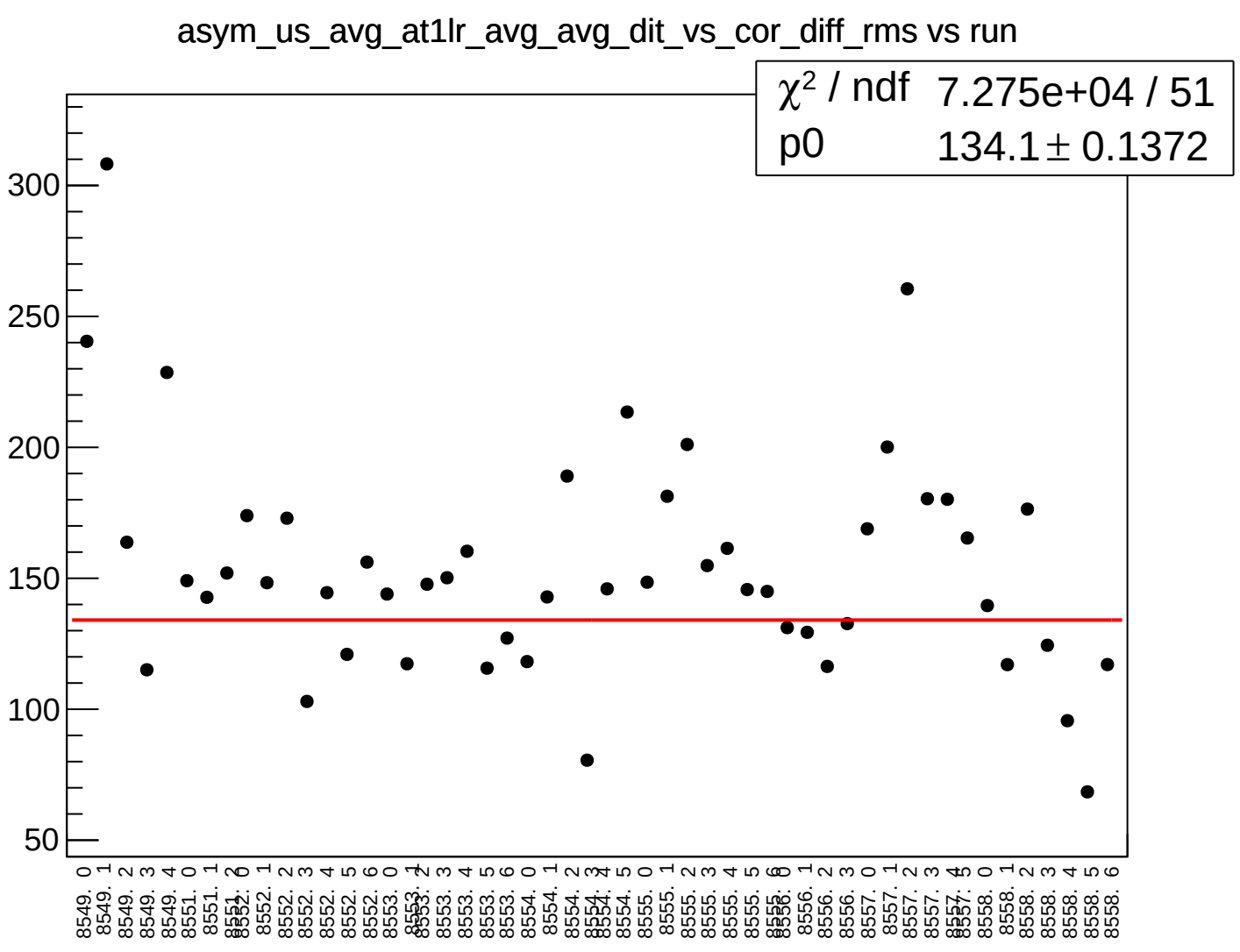

asym_us_avg_at1lr_avg_avg_reg_vs_cor_diff_mean vs run
χ² / ndf 60.56 / 51
p0 1.149e−13 ± 4.194e−13
pull
Entries 52
Mean 359
Std Dev 0


pull1D
Entries 52
Mean −0.005803
Std Dev 1.079


asym_us_avg_at1lr_avg_avg_reg_vs_cor_diff_rms vs run
χ² / ndf 6.444e+05 / 51
p0 1.833e−10 ± 2.965e−13
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8549. 5
8551. 0
8551. 1
8551. 2
8552. 0
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 1
8553. 2
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 3
8554. 4
8554. 5
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8555. 6
8556. 0
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8557. 4
8557. 5
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6


asym_us_avg_at1lr_avg_avg_dit_vs_cor_diff_mean vs run
χ² / ndf 84.41 / 51
p0 0.1367 ± 0.1941
pull
Entries 52
Mean 38.88
Std Dev 0


pull1D
Entries 52
Mean 0.08692
Std Dev 1.271


asym_us_avg_at1lr_avg_avg_dit_vs_cor_diff_rms vs run
χ² / ndf 7.275e+04 / 51
p0 134.1 ± 0.1372
300
250
200
150
100
50
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 5
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
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8558. 0
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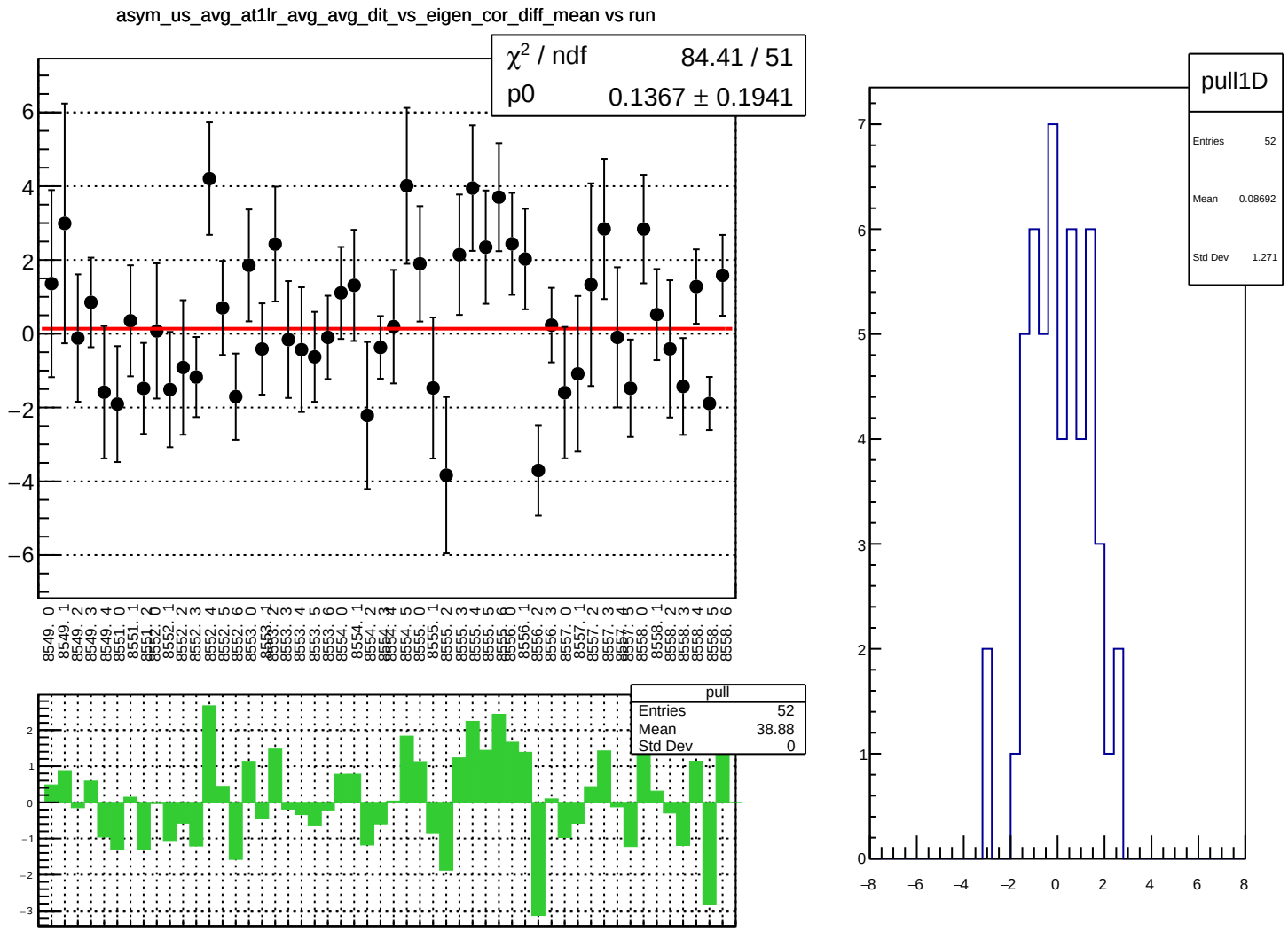
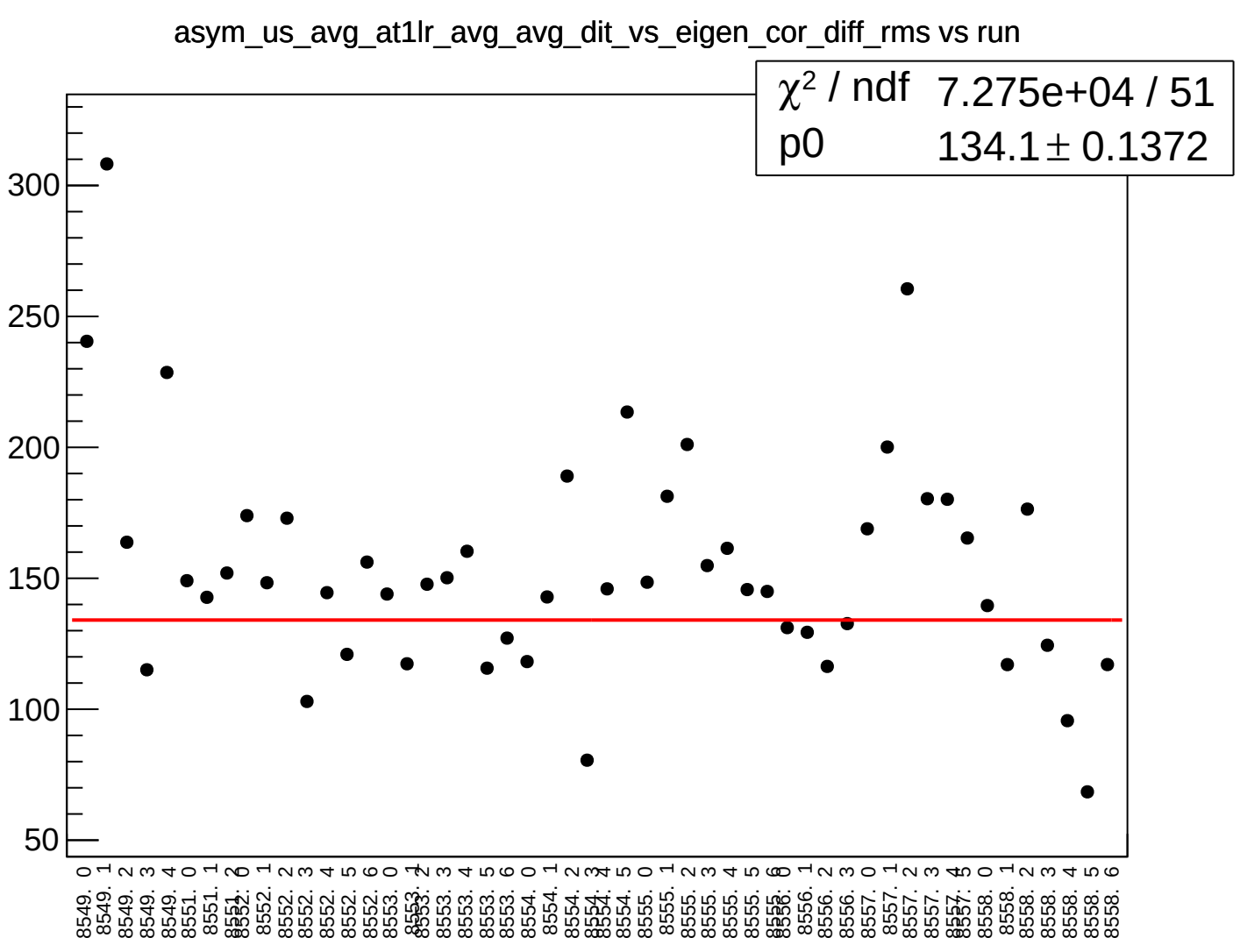
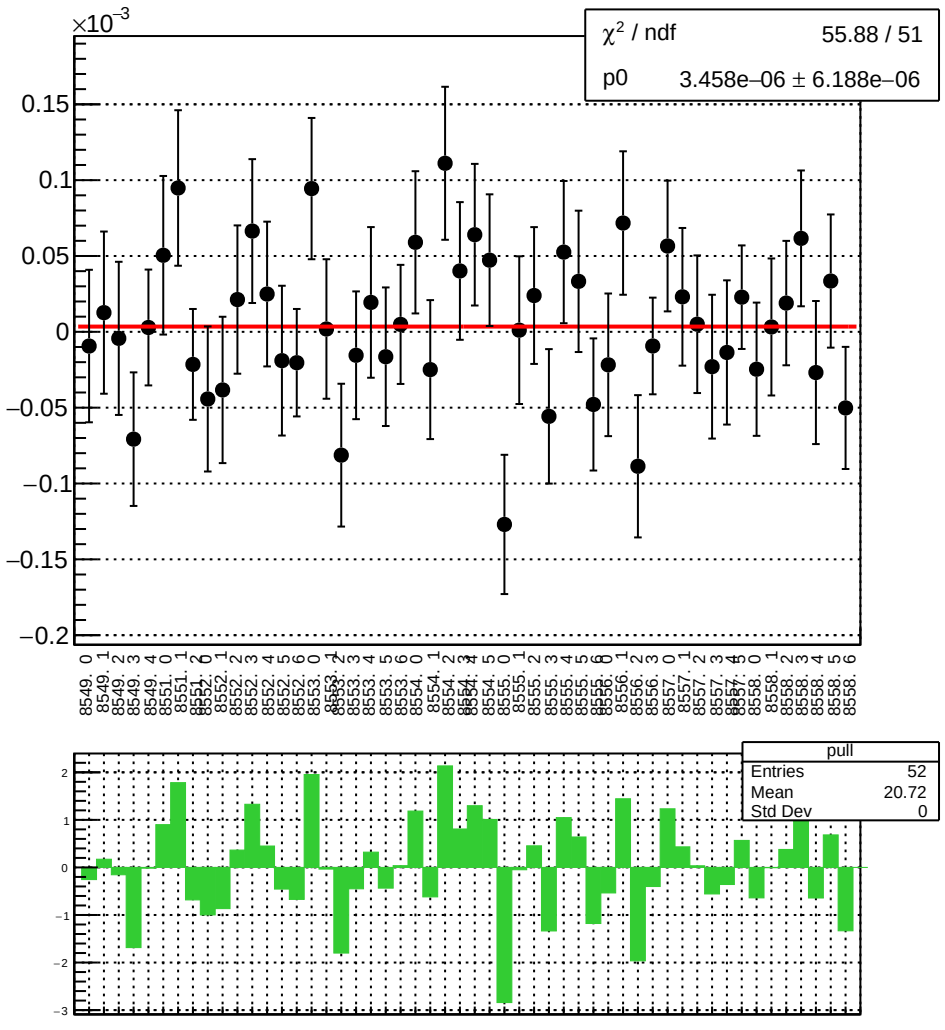
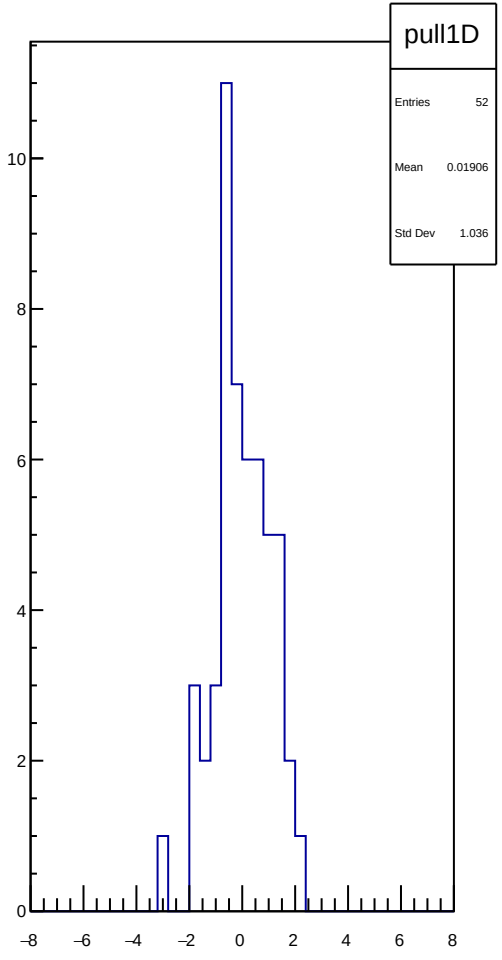
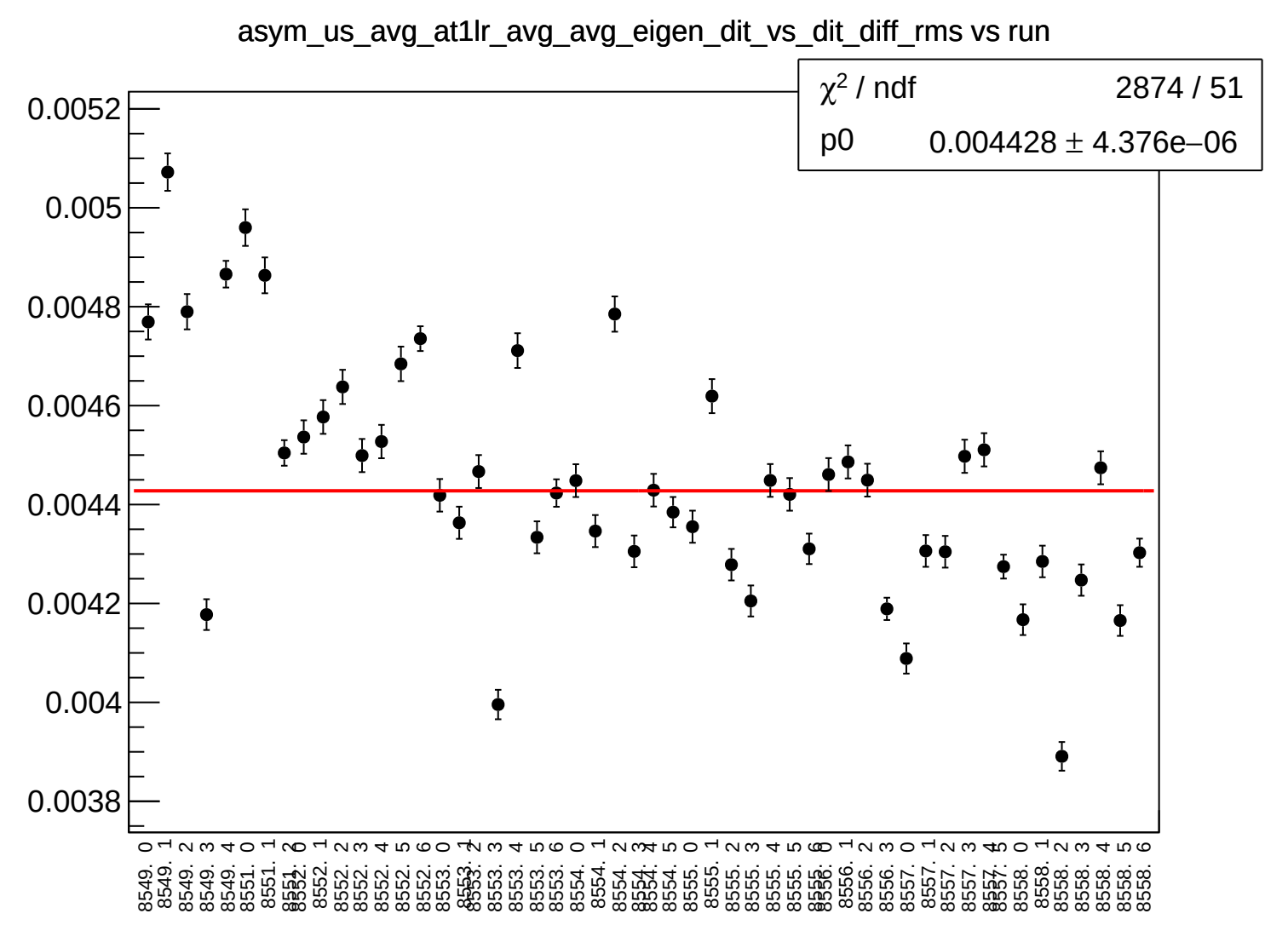
8558. 4
8558. 5
8558. 6


asym_us_avg_at1lr_avg_avg_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 84.41 / 51
p0 0.1367 ± 0.1941
pull
Entries 52
Mean 38.88
Std Dev 0
pull1D
Entries 52
Mean 0.08692
Std Dev 1.271


asym_us_avg_at1lr_avg_avg_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 7.275e+04 / 51
p0 134.1 ± 0.1372
300
250
200
150
100
50
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 5
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6


asym_us_avg_at1lr_avg_avg_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 55.88 / 51
p0 3.458e−06 ± 6.188e−06
pull
Entries 52
Mean 20.72
Std Dev 0


pull1D
Entries 52
Mean 0.01906
Std Dev 1.036


asym_us_avg_at1lr_avg_avg_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 2874 / 51
p0 0.004428 ± 4.376e−06
0.0052
0.005
0.0048
0.0046
0.0044
0.0042
0.004
0.0038
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
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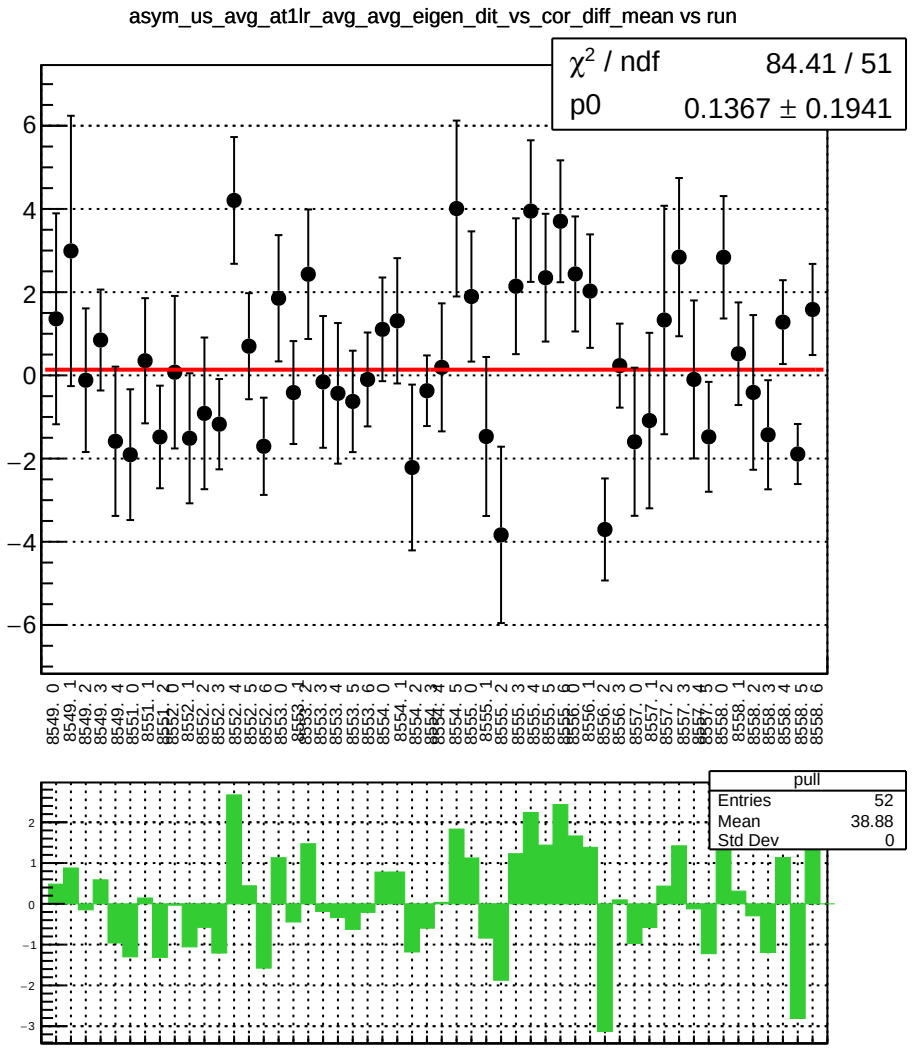
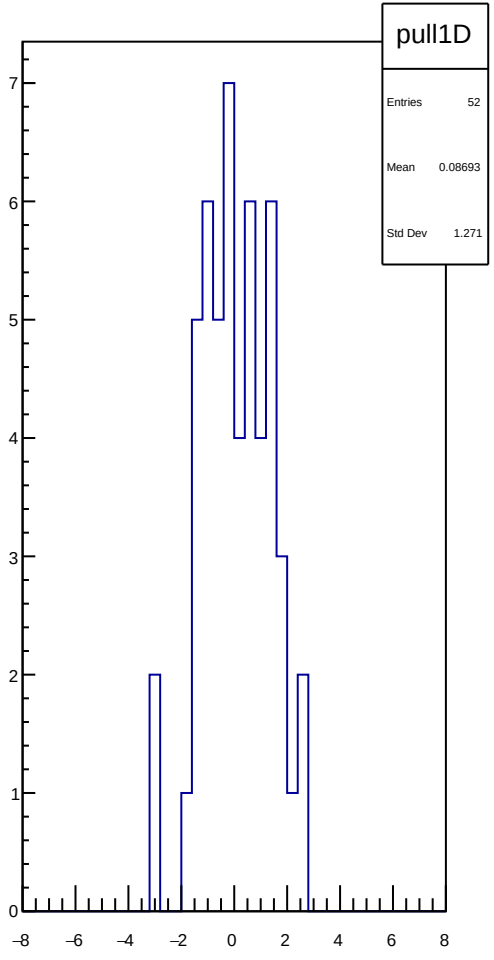
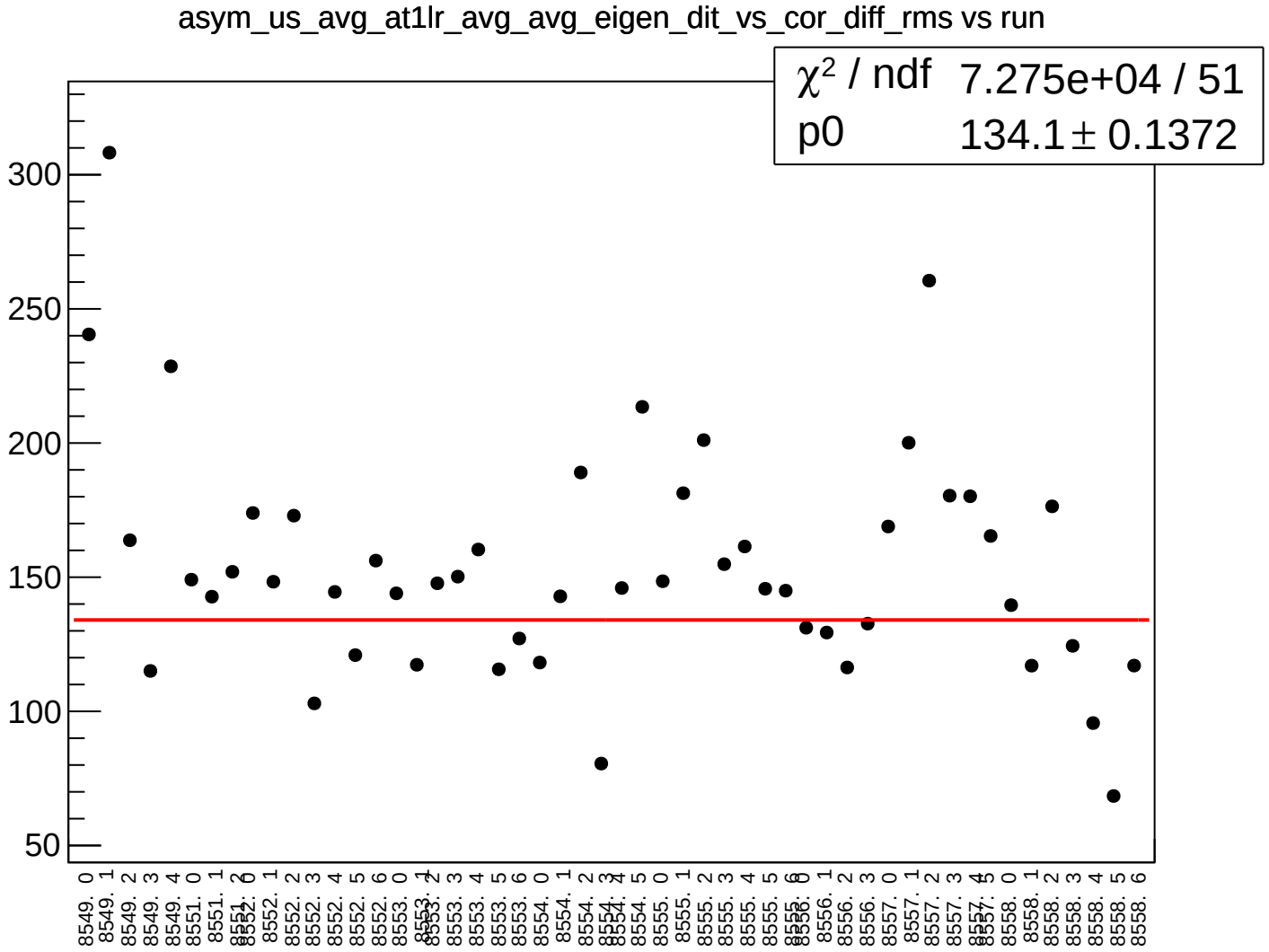
8558. 5
8558. 6


asym_us_avg_at1lr_avg_avg_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 84.41 / 51
p0 0.1367 ± 0.1941
pull
Entries 52
Mean 38.88
Std Dev 0


pull1D
Entries 52
Mean 0.08693
Std Dev 1.271


asym_us_avg_at1lr_avg_avg_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 7.275e+04 / 51
p0 134.1 ± 0.1372
300
250
200
150
100
50
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
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8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
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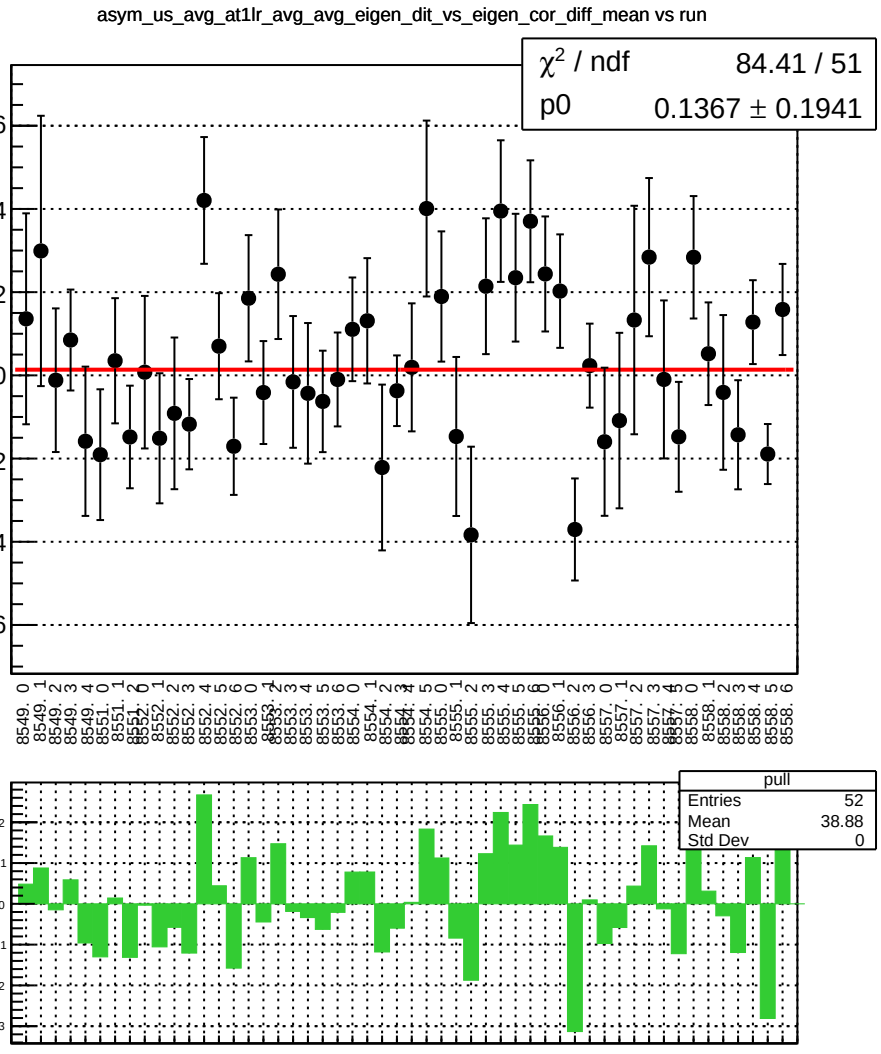
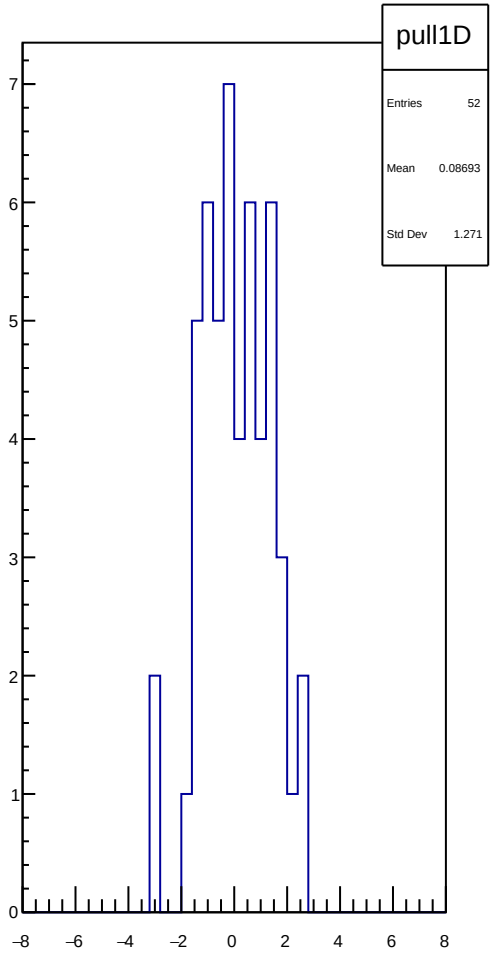
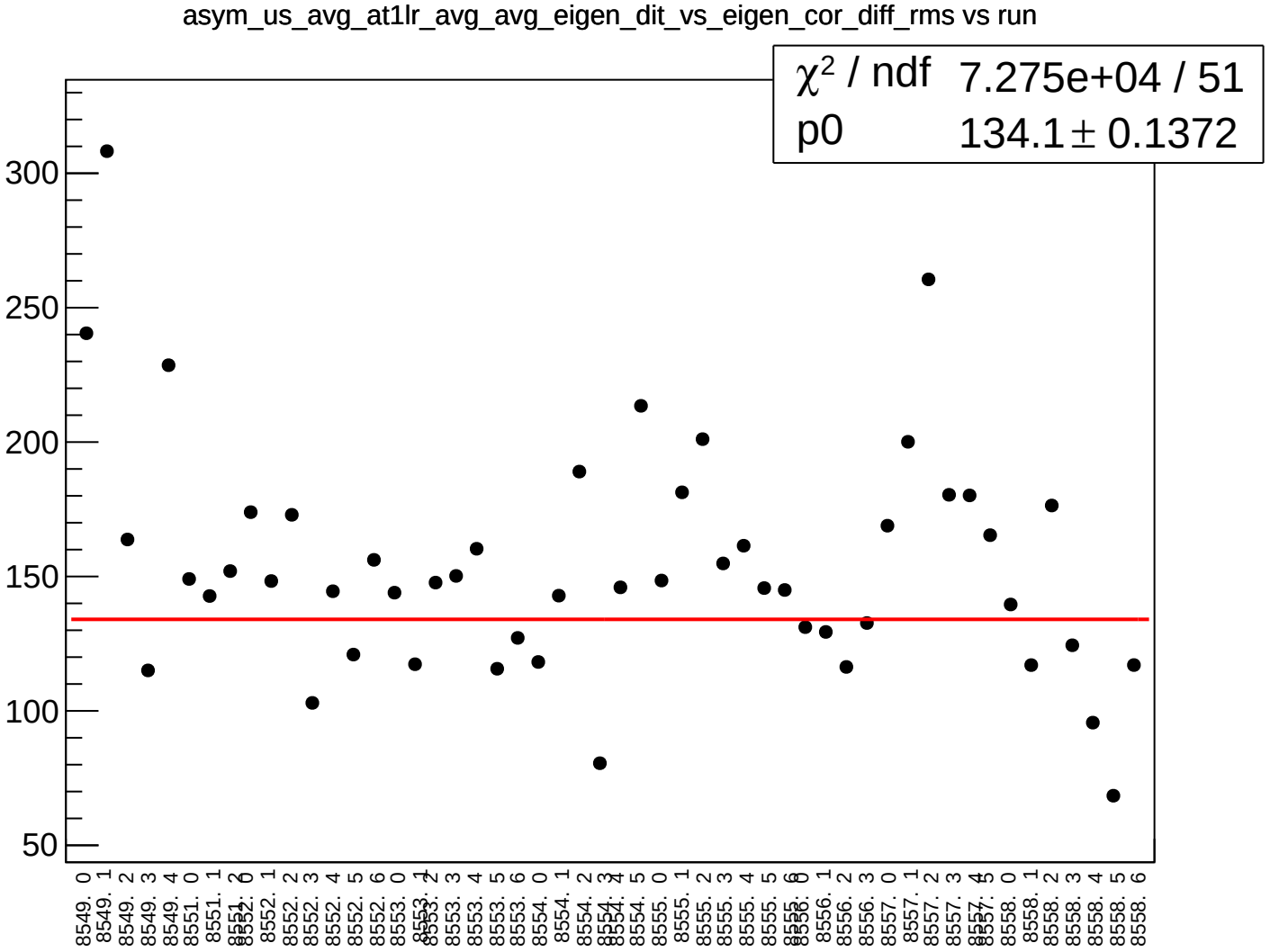
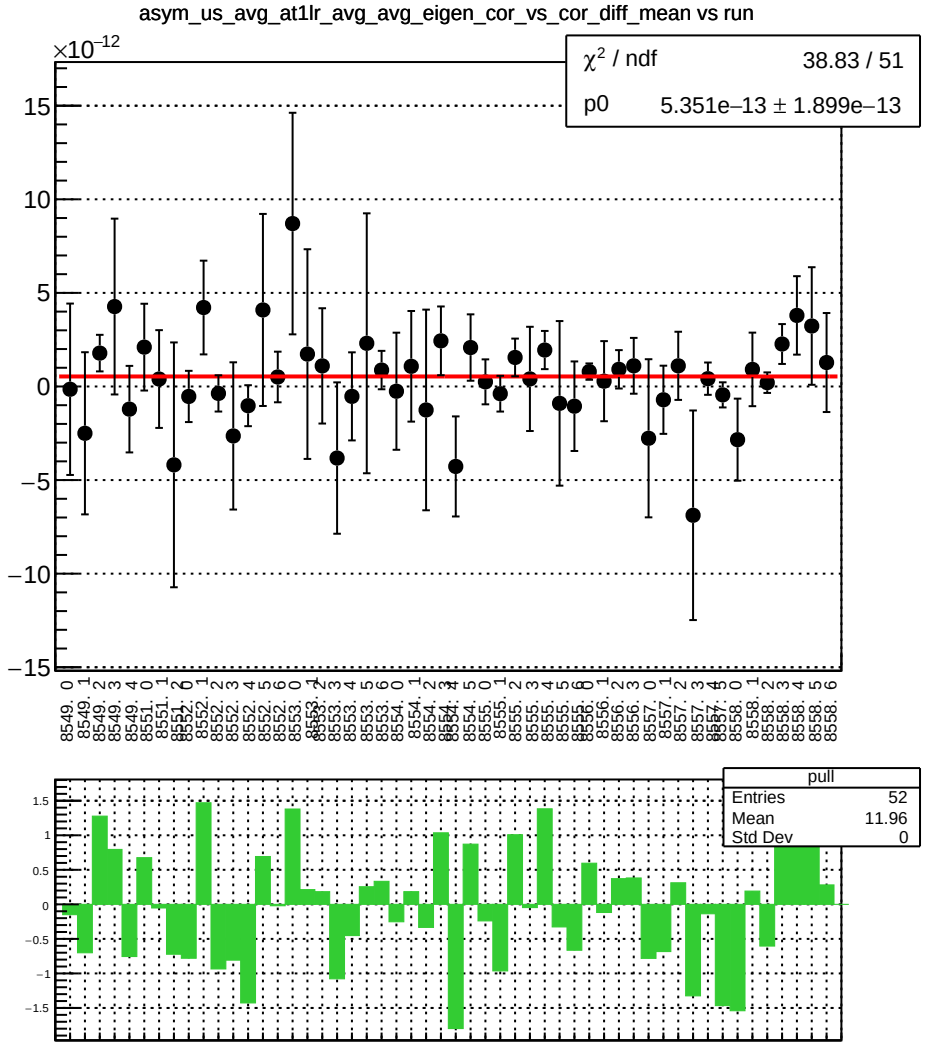
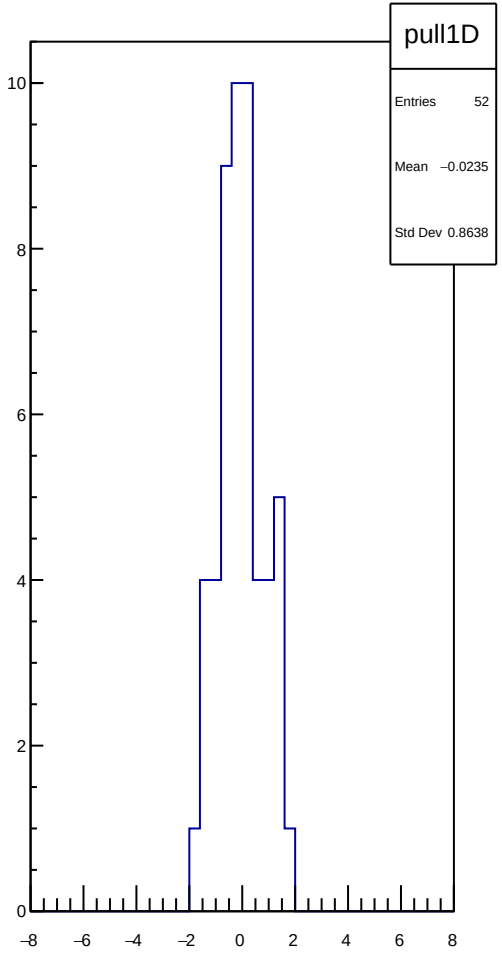
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

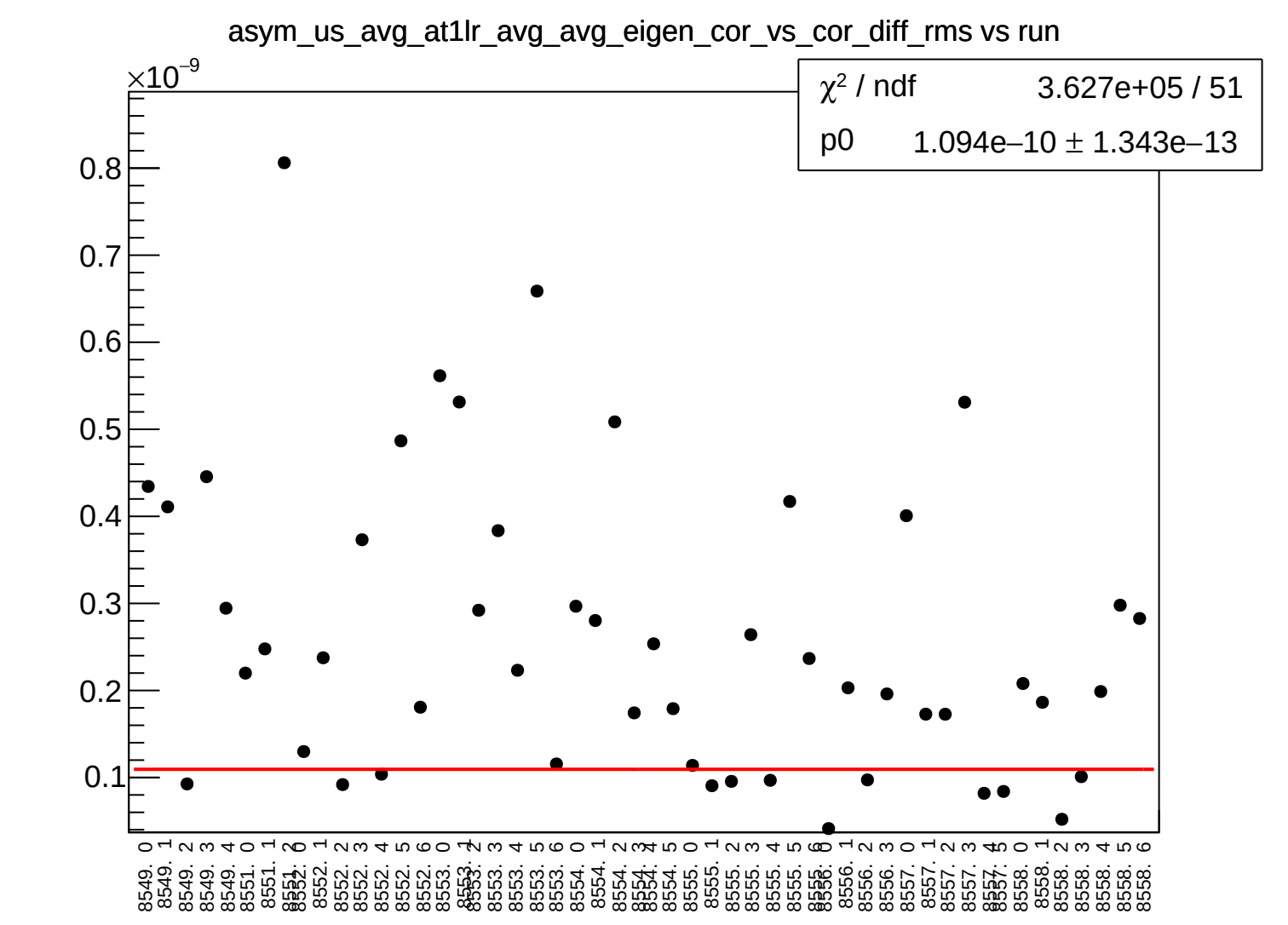

asym_us_avg_at1lr_avg_avg_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 84.41 / 51
p0 0.1367 ± 0.1941
pull
Entries 52
Mean 38.88
Std Dev 0

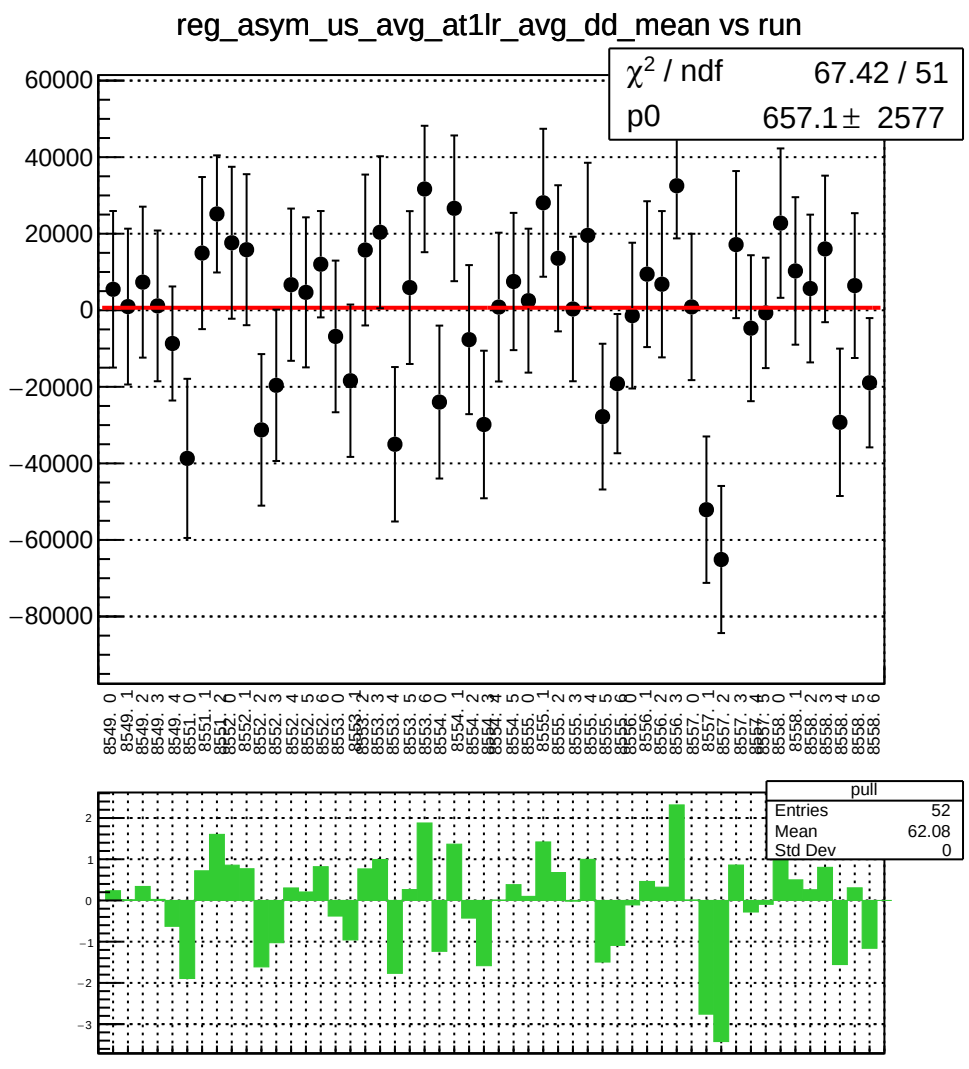

pull1D
Entries 52
Mean 0.08693
Std Dev 1.271

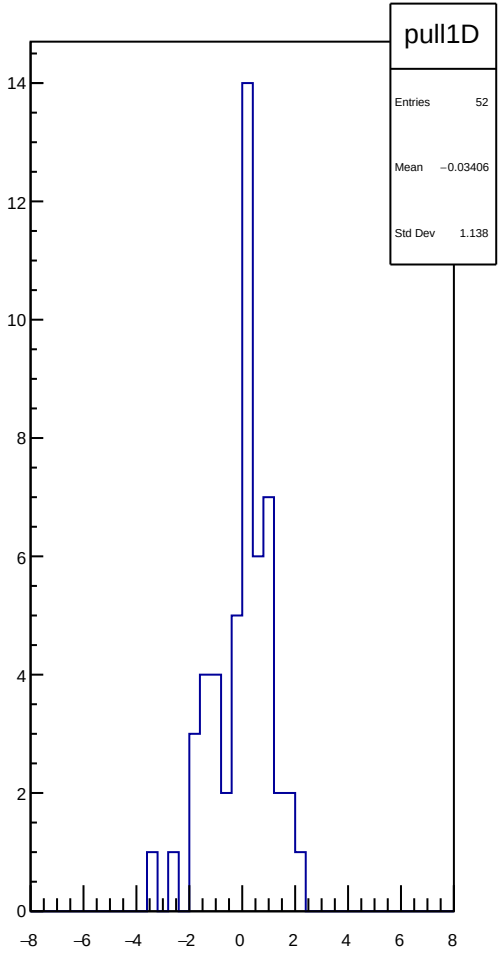

asym_us_avg_at1lr_avg_avg_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 7.275e+04 / 51
p0 134.1 ± 0.1372
300
250
200
150
100
50
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 5
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

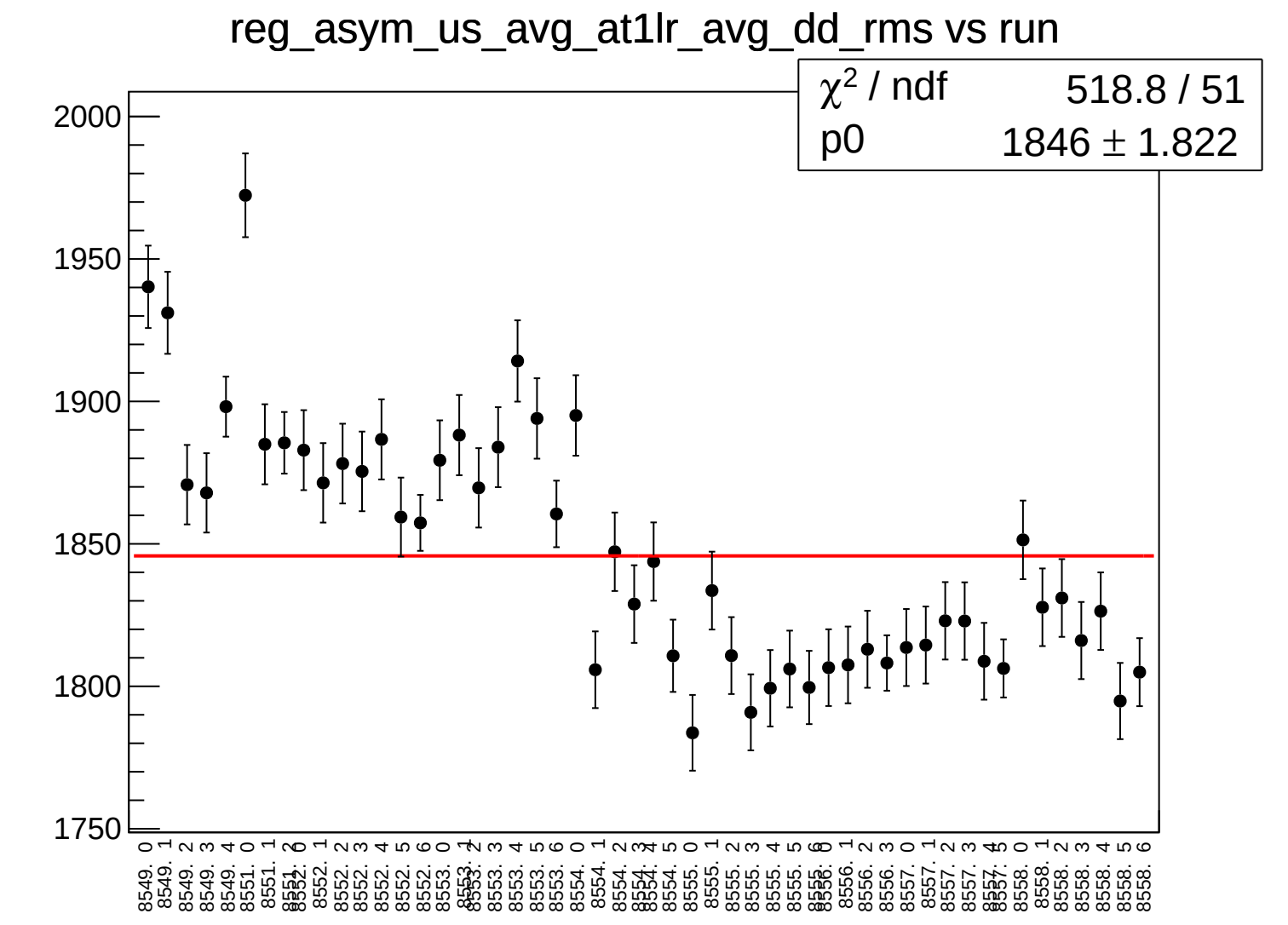

asym_us_avg_at1lr_avg_avg_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 38.83 / 51
p0 5.351e−13 ± 1.899e−13
pull
Entries 52
Mean 11.96
Std Dev 0

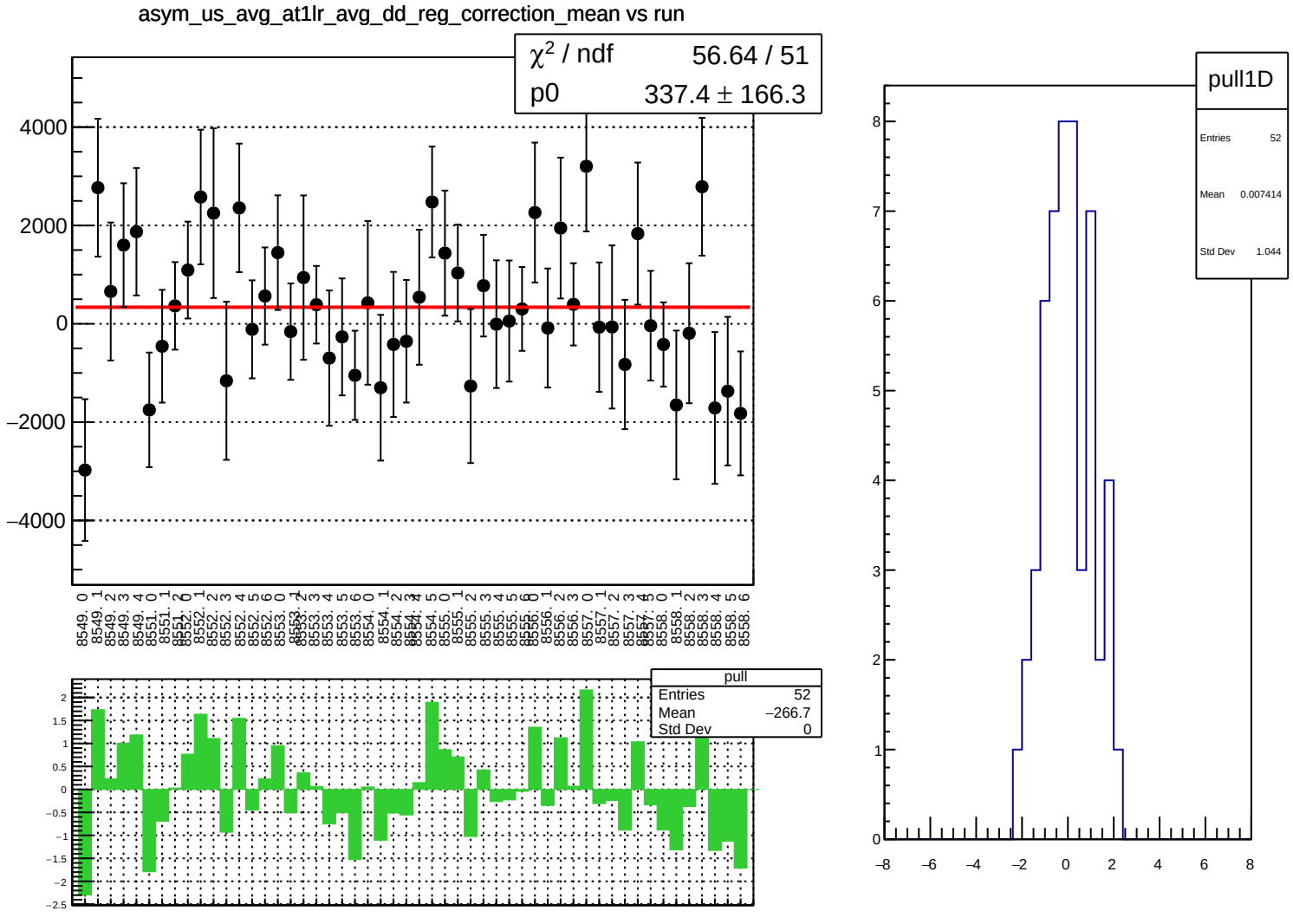

pull1D
Entries 52
Mean −0.0235
Std Dev 0.8638

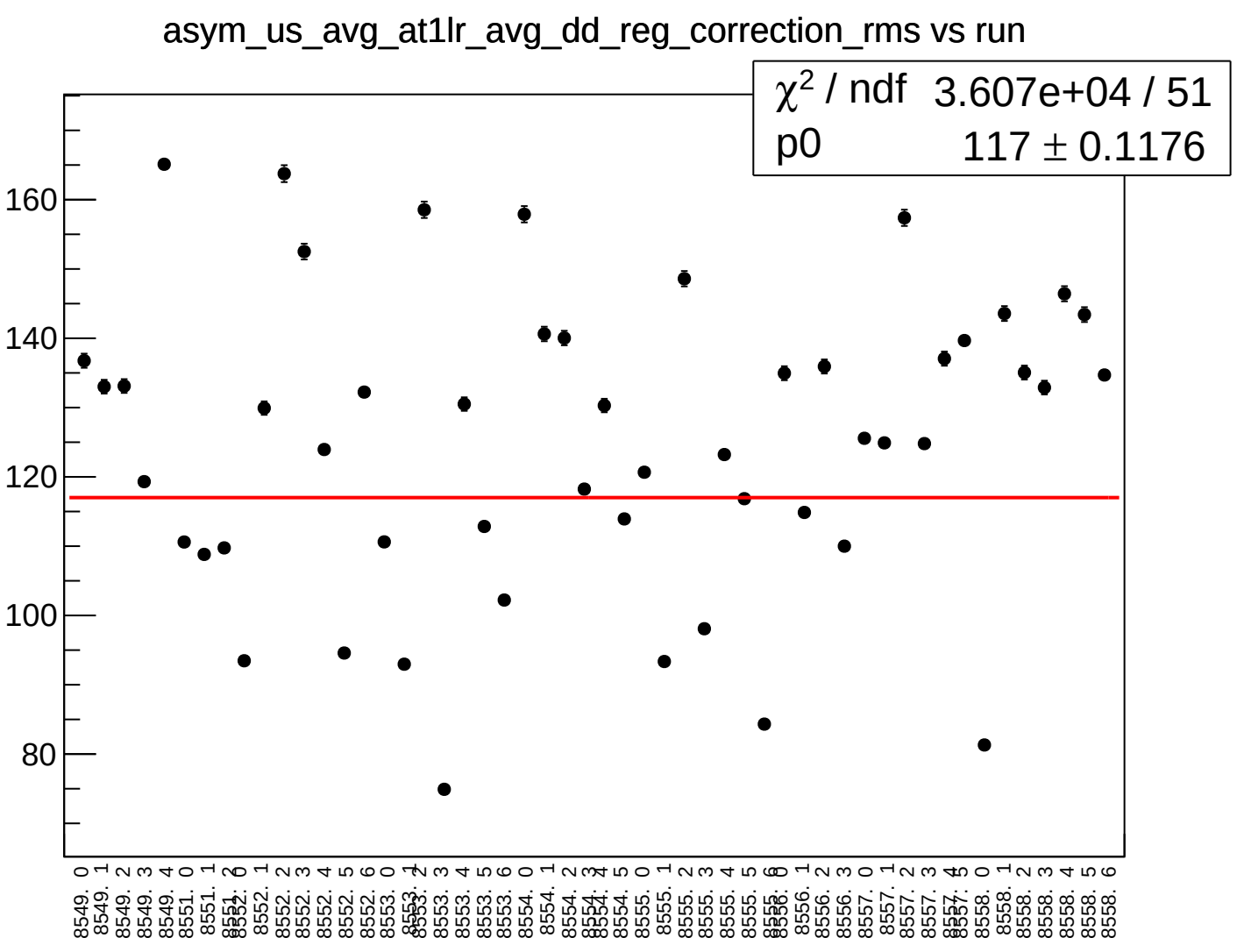

asym_us_avg_at1lr_avg_avg_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 3.627e+05 / 51
p0 1.094e−10 ± 1.343e−13
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 0
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 2
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

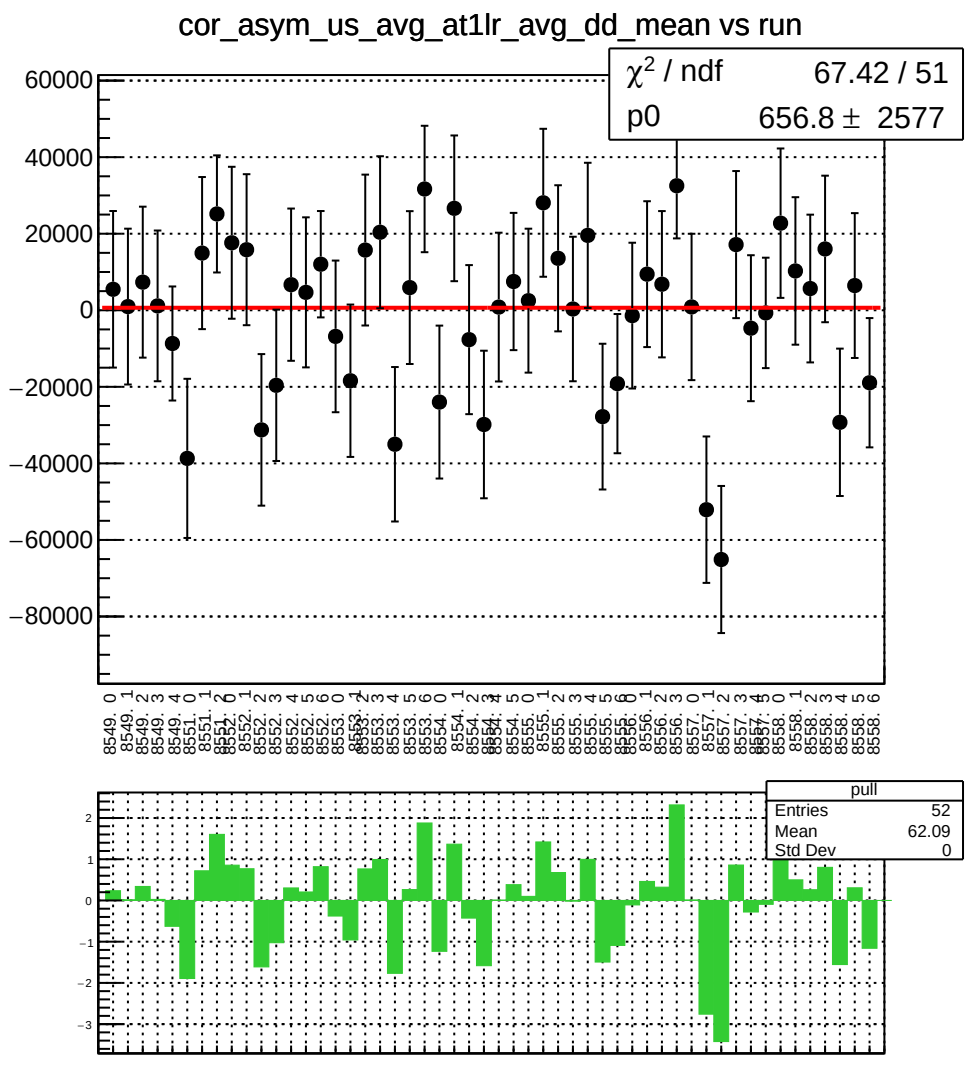

reg_asym_us_avg_at1lr_avg_dd_mean vs run
χ² / ndf 67.42 / 51
p0 657.1 ± 2577
pull
Entries 52
Mean 62.08
Std Dev 0

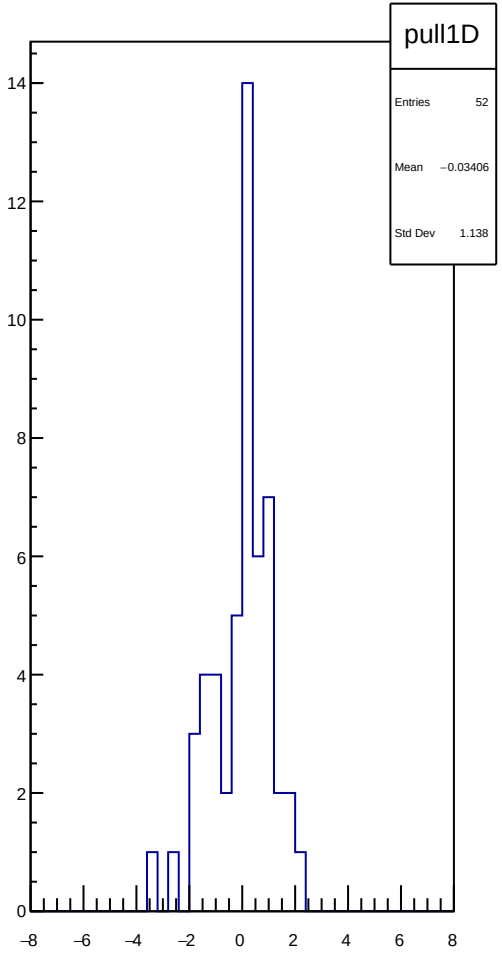

pull1D
Entries 52
Mean −0.03406
Std Dev 1.138

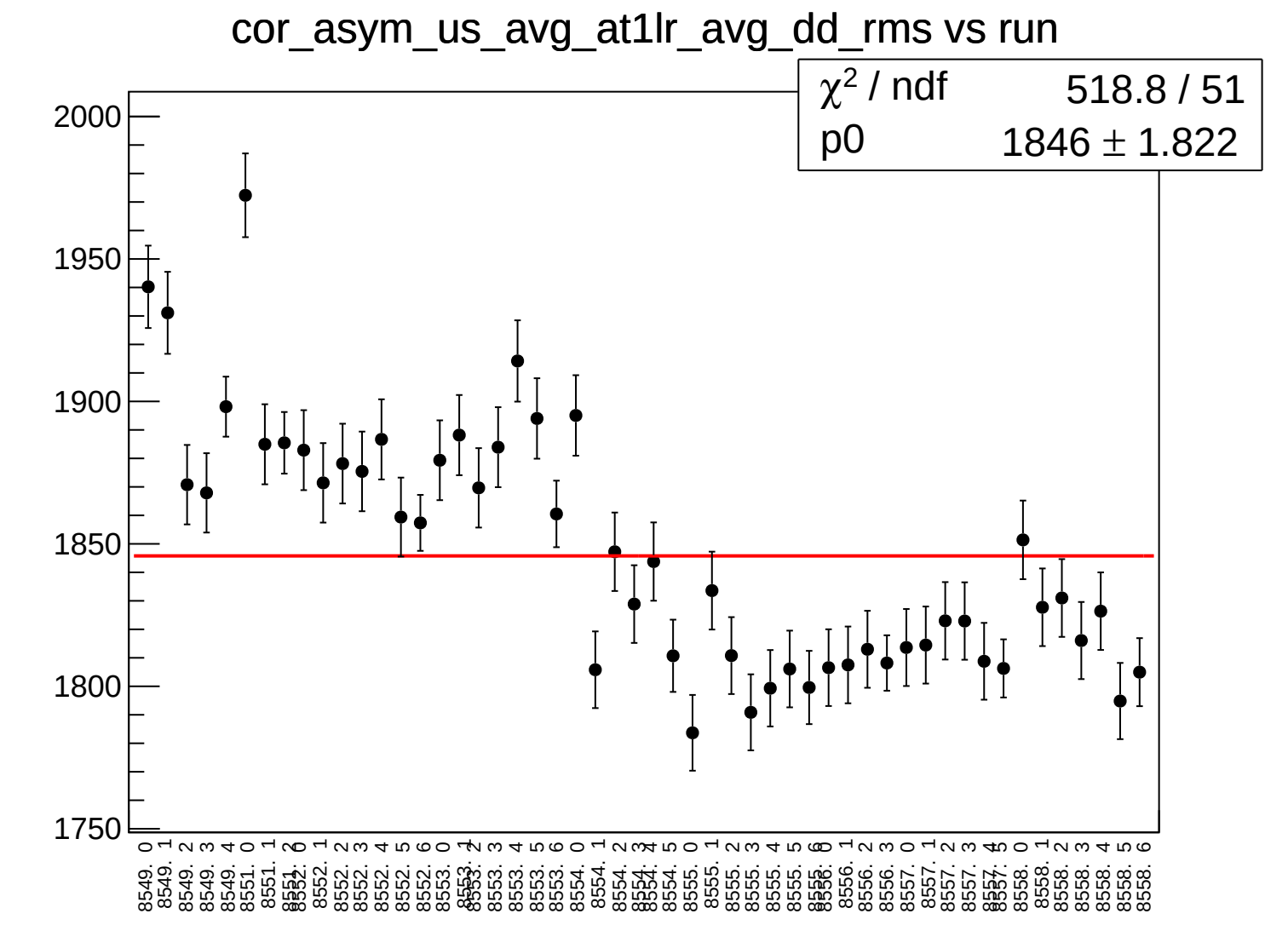

reg_asym_us_avg_at1lr_avg_dd_rms vs run
χ² / ndf 518.8 / 51
p0 1846 ± 1.822
2000
1950
1900
1850
1800
1750
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

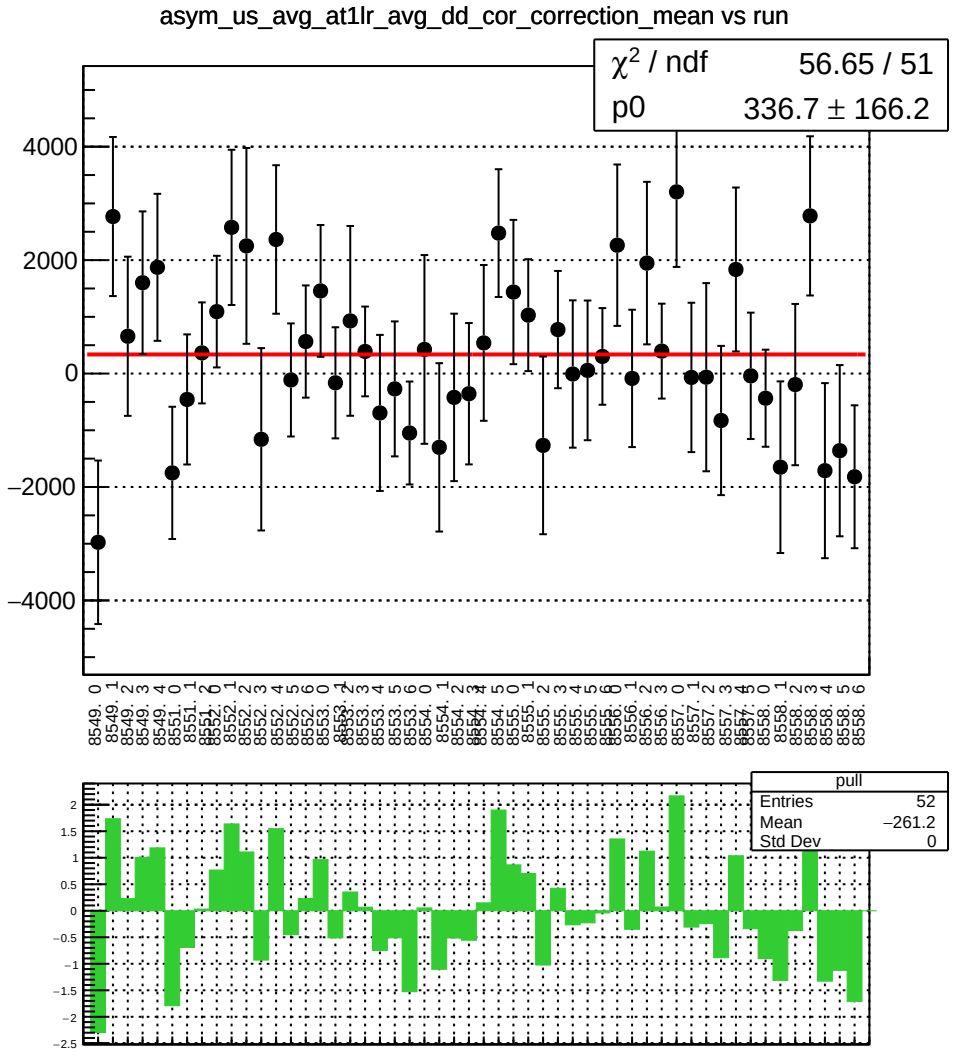

asym_us_avg_at1lr_avg_dd_reg_correction_mean vs run
χ² / ndf 56.64 / 51
p0 337.4 ± 166.3
4000
2000
0
−2000
−4000
pull
Entries 52
Mean −266.7
Std Dev 0
pull1D
Entries 52
Mean 0.007414
Std Dev 1.044

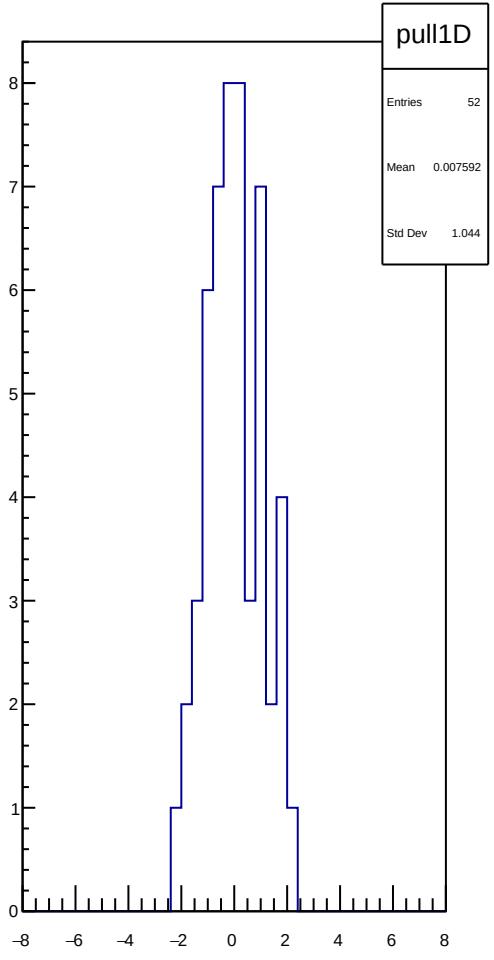

asym_us_avg_at1lr_avg_dd_reg_correction_rms vs run
χ² / ndf 3.607e+04 / 51
p0 117 ± 0.1176
160
140
120
100
80
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 2
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

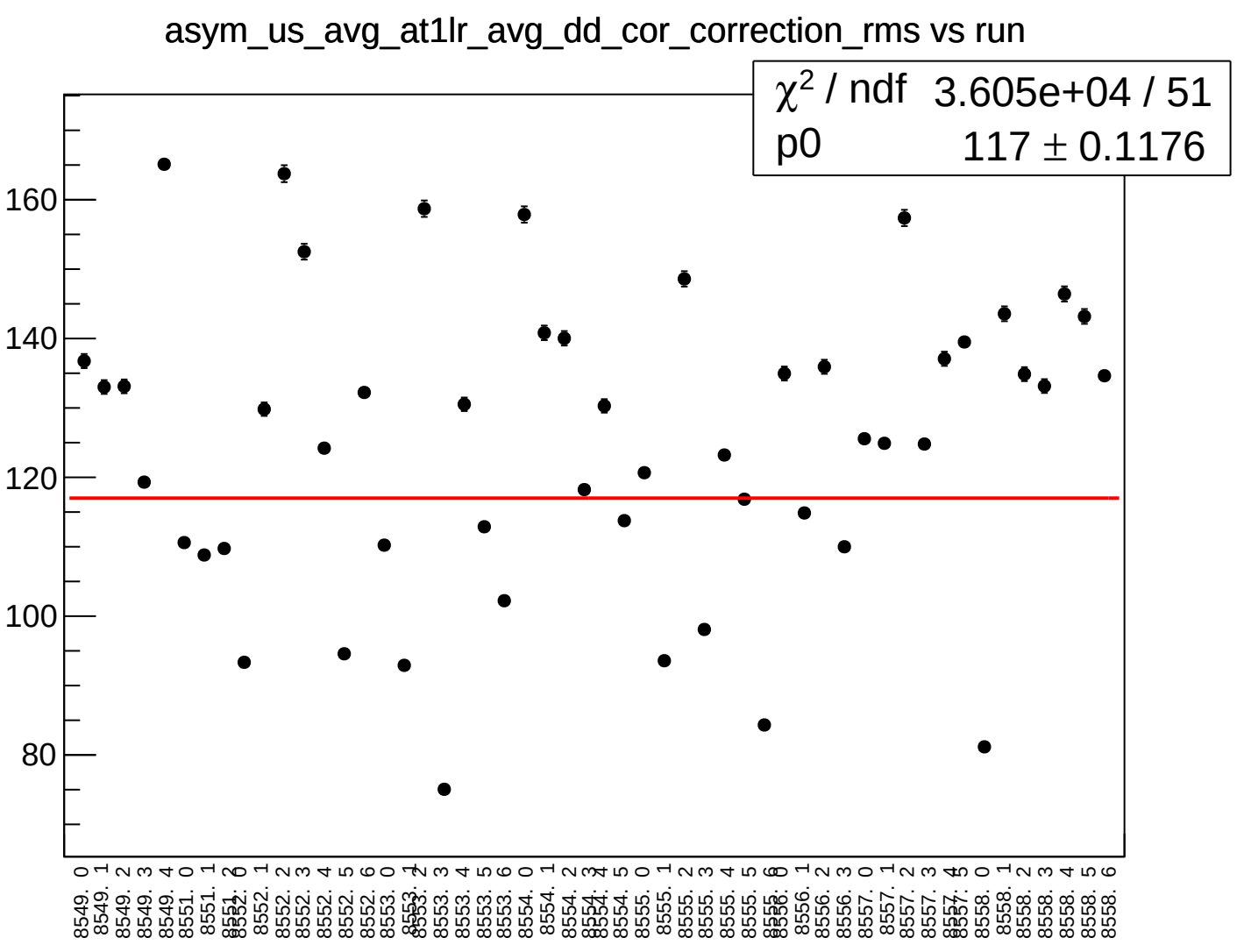

cor_asym_us_avg_at1lr_avg_dd_mean vs run
χ² / ndf 67.42 / 51
p0 656.8 ± 2577
60000
40000
20000
0
−20000
−40000
−60000
−80000
pull
Entries 52
Mean 62.09
Std Dev 0
2
1
0
−1
−2
−3

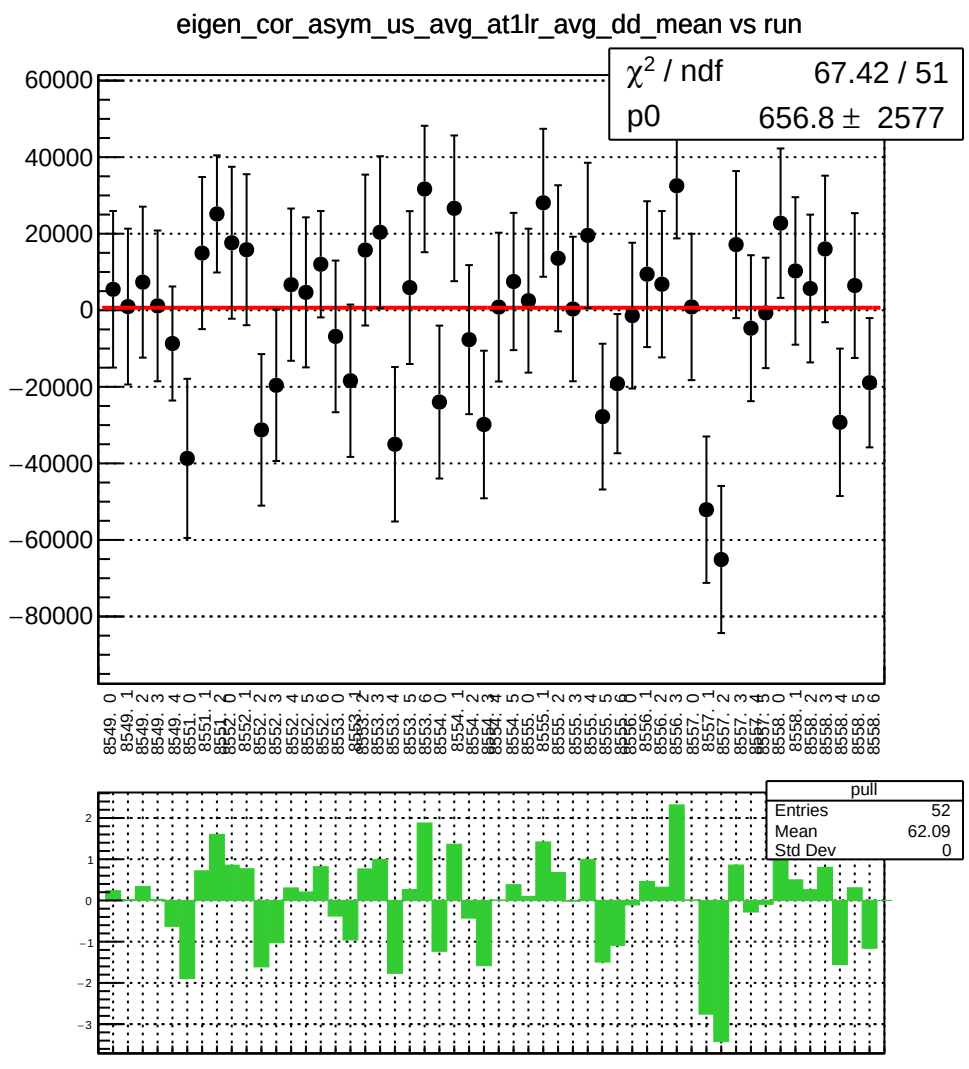

pull1D
Entries 52
Mean −0.03406
Std Dev 1.138
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

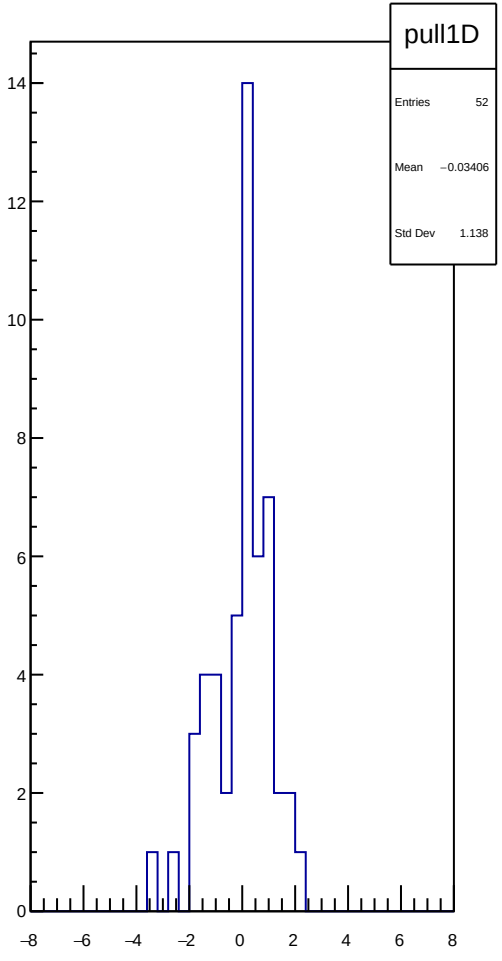

cor_asym_us_avg_at1lr_avg_dd_rms vs run
χ² / ndf 518.8 / 51
p0 1846 ± 1.822
2000
1950
1900
1850
1800
1750
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

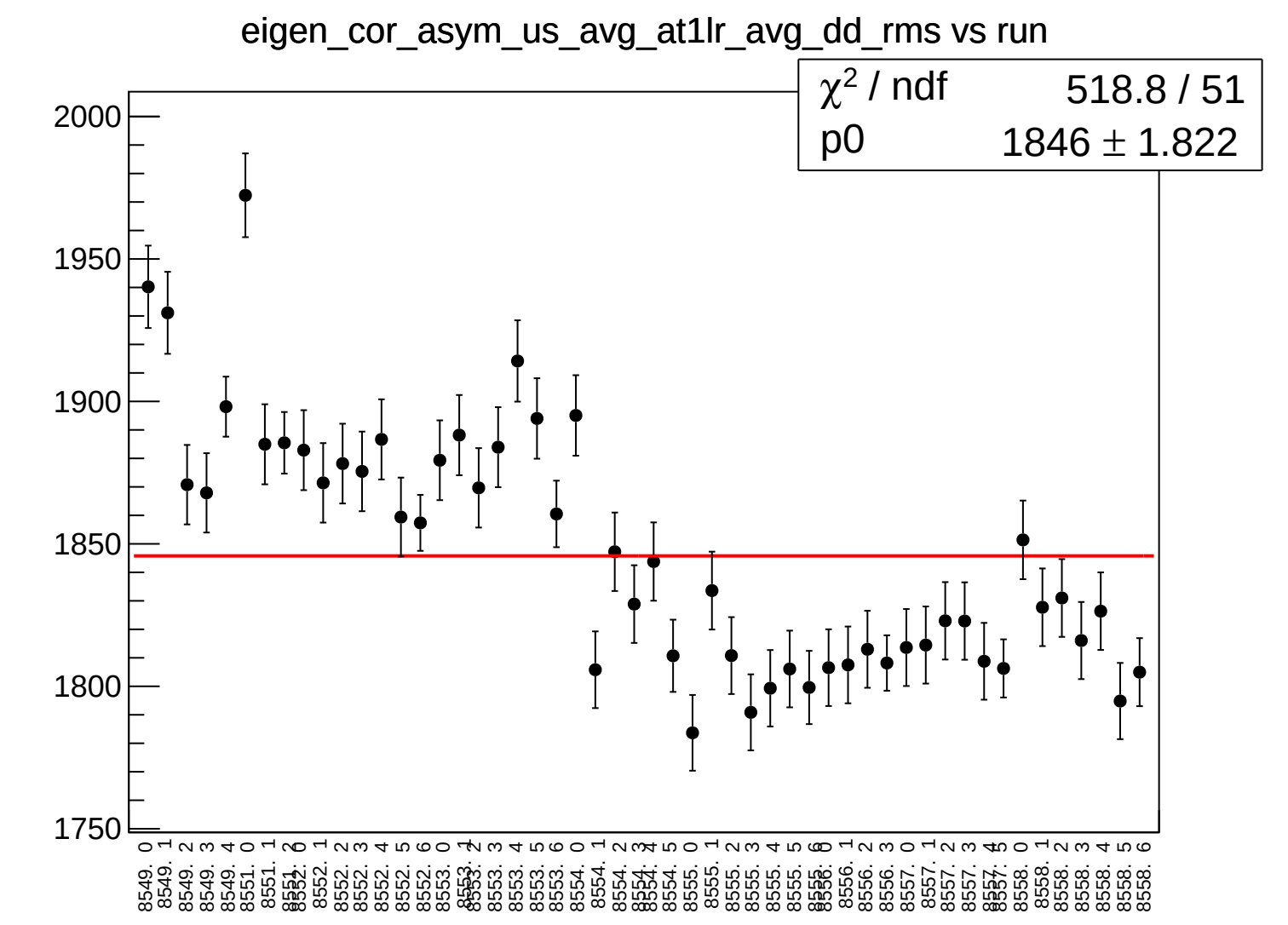

asym_us_avg_at1lr_avg_dd_cor_correction_mean vs run
χ² / ndf 56.65 / 51
p0 336.7 ± 166.2
pull
Entries 52
Mean −261.2
Std Dev 0


pull1D
Entries 52
Mean 0.007592
Std Dev 1.044


asym_us_avg_at1lr_avg_dd_cor_correction_rms vs run
χ² / ndf 3.605e+04 / 51
p0 117 ± 0.1176
160
140
120
100
80
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 5
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6


eigen_cor_asym_us_avg_at1lr_avg_dd_mean vs run
χ² / ndf 67.42 / 51
p0 656.8 ± 2577
60000
40000
20000
0
−20000
−40000
−60000
−80000
pull
Entries 52
Mean 62.09
Std Dev 0
2
1
0
−1
−2
−3


pull1D
Entries 52
Mean −0.03406
Std Dev 1.138
14
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 518.8 / 51
p0 1846 ± 1.822
2000
1950
1900
1850
1800
1750
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
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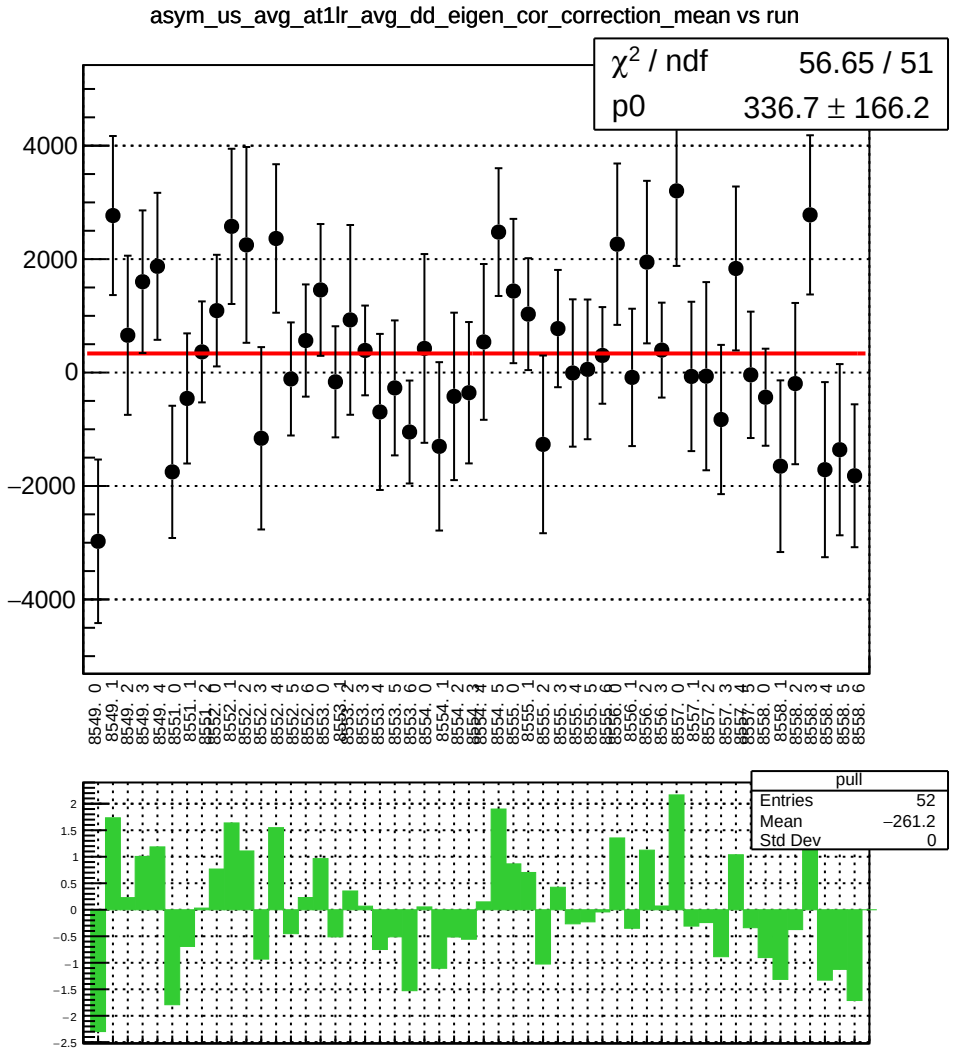
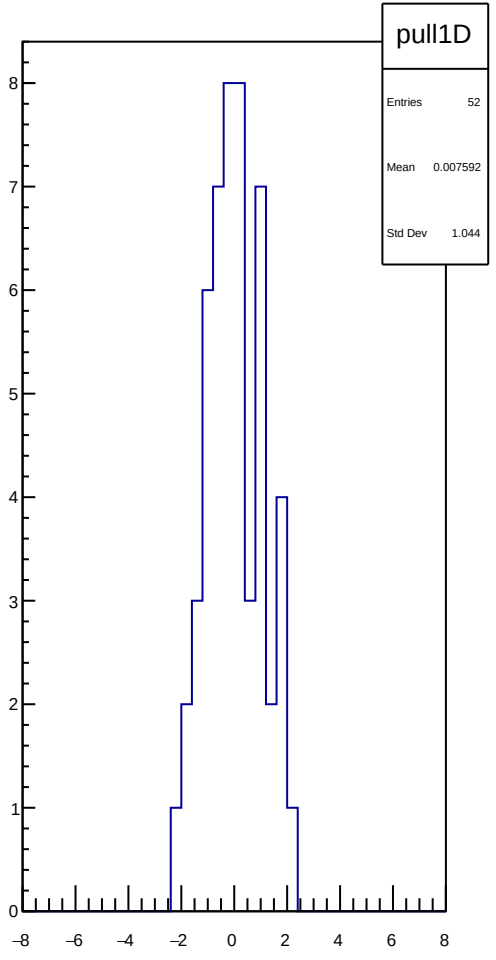
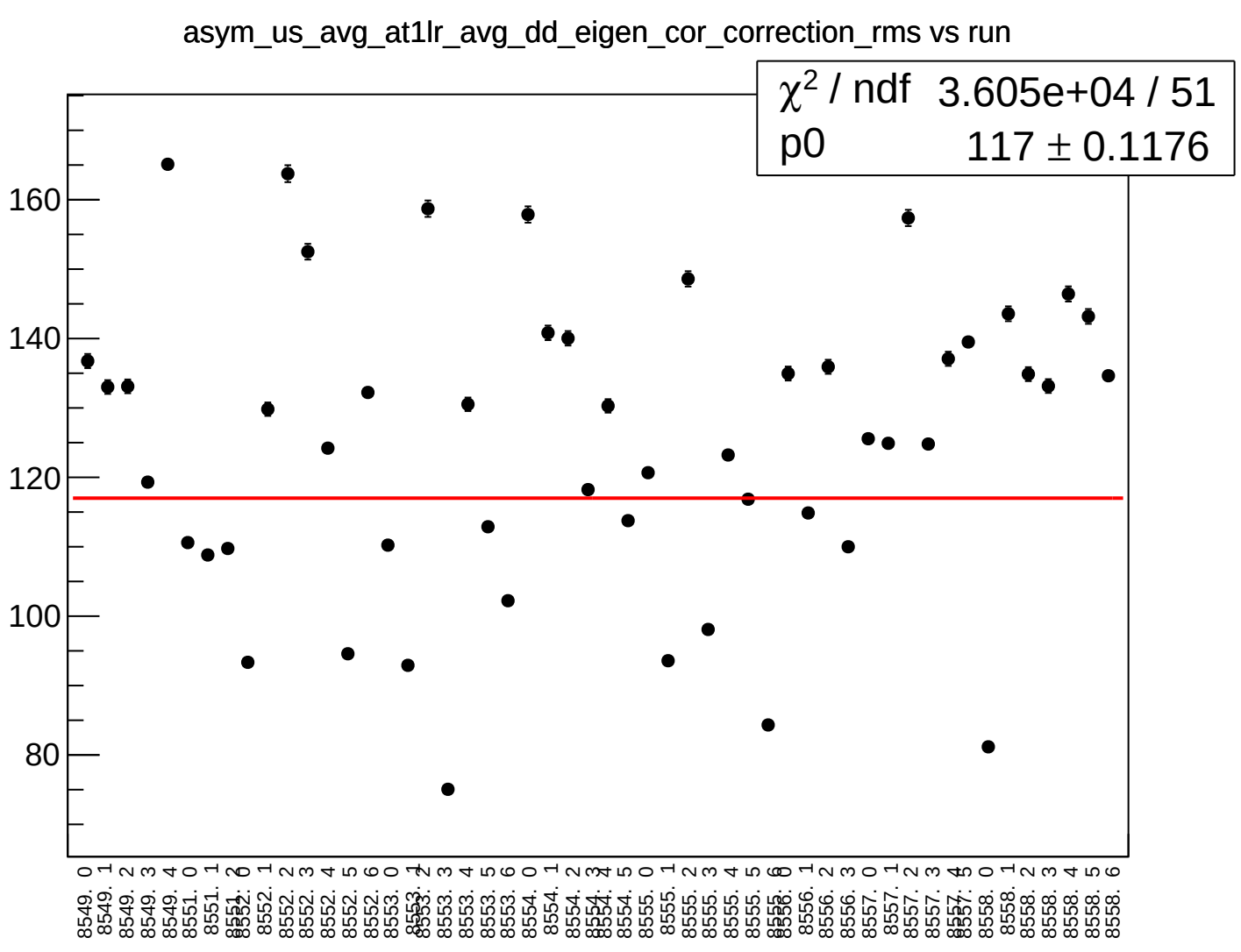
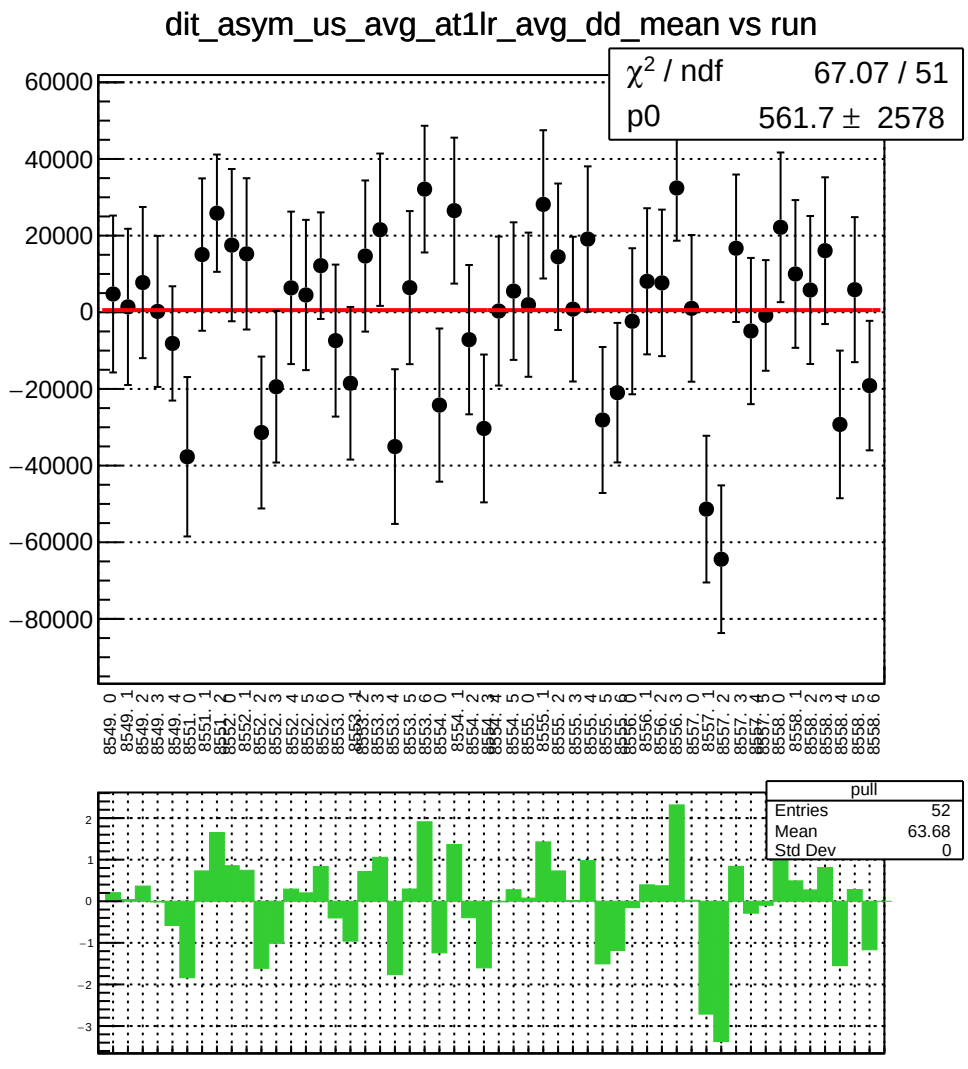
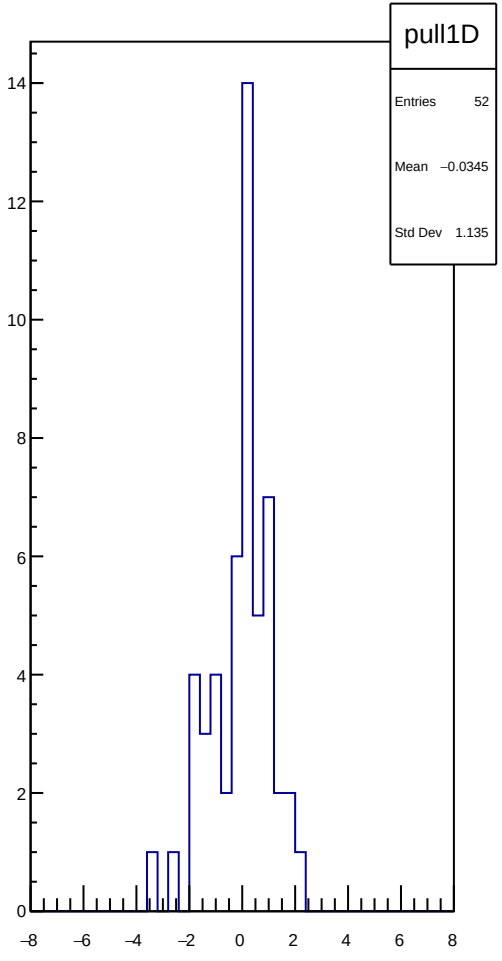
8558. 5
8558. 6

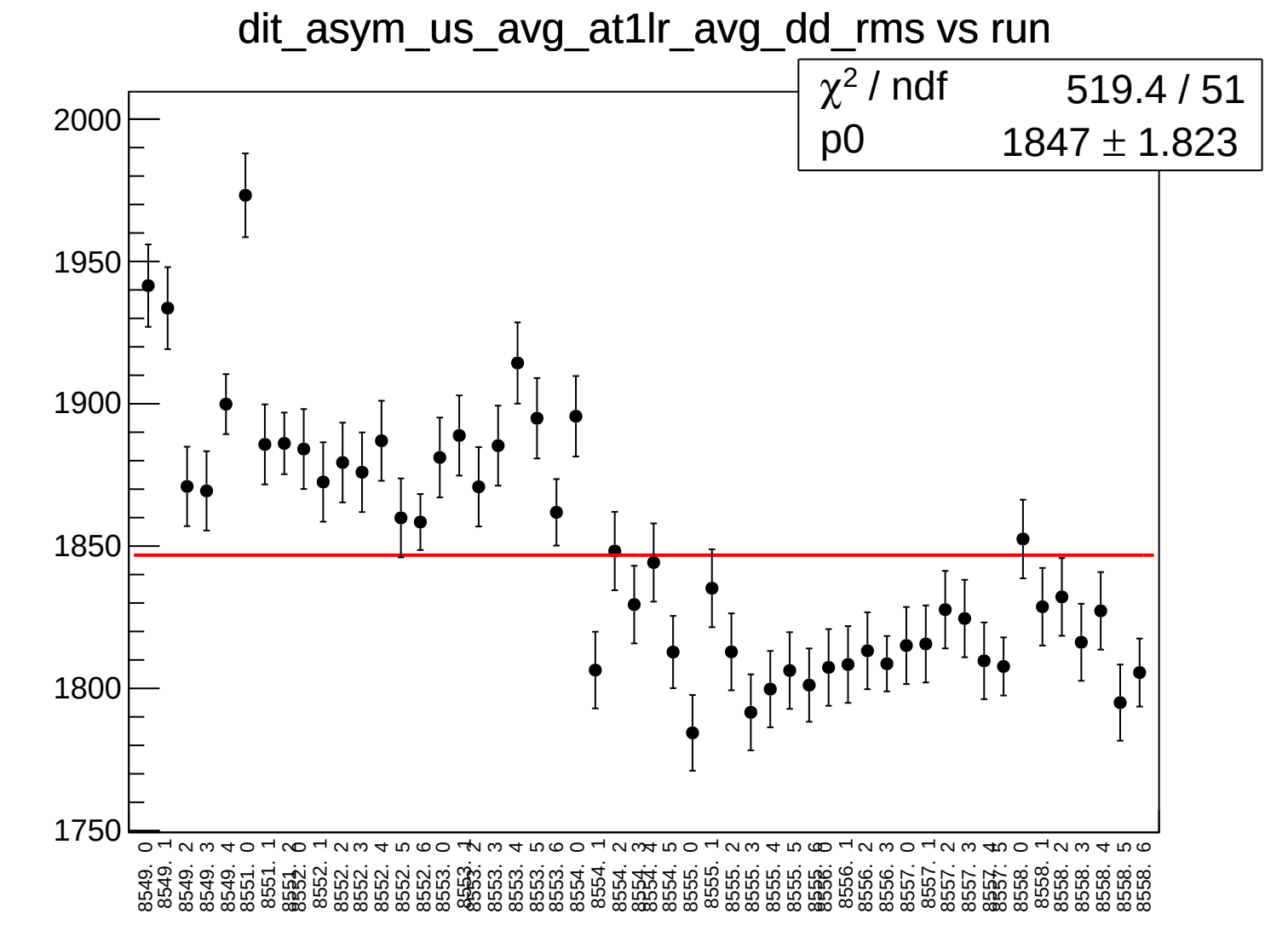

asym_us_avg_at1lr_avg_dd_eigen_cor_correction_mean vs run
χ² / ndf 56.65 / 51
p0 336.7 ± 166.2
4000
2000
0
−2000
−4000
pull
Entries 52
Mean −261.2
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5


pull1D
Entries 52
Mean 0.007592
Std Dev 1.044
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_cor_correction_rms vs run
χ² / ndf 3.605e+04 / 51
p0 117 ± 0.1176
160
140
120
100
80
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 5
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6


dit_asym_us_avg_at1lr_avg_dd_mean vs run
χ² / ndf 67.07 / 51
p0 561.7 ± 2578
pull
Entries 52
Mean 63.68
Std Dev 0


pull1D
Entries 52
Mean −0.0345
Std Dev 1.135


dit_asym_us_avg_at1lr_avg_dd_rms vs run
χ² / ndf 519.4 / 51
p0 1847 ± 1.823
2000
1950
1900
1850
1800
1750
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
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8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
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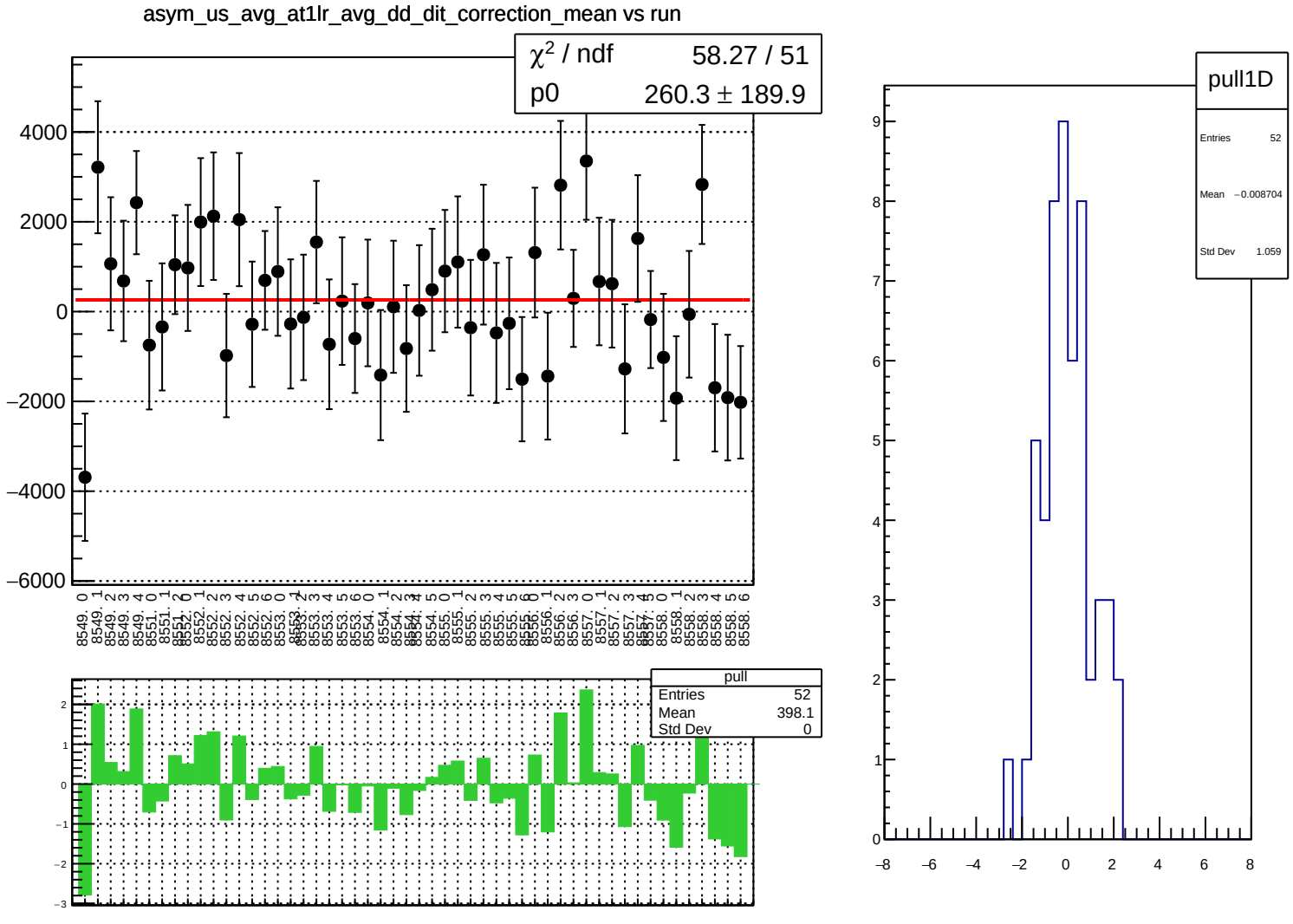
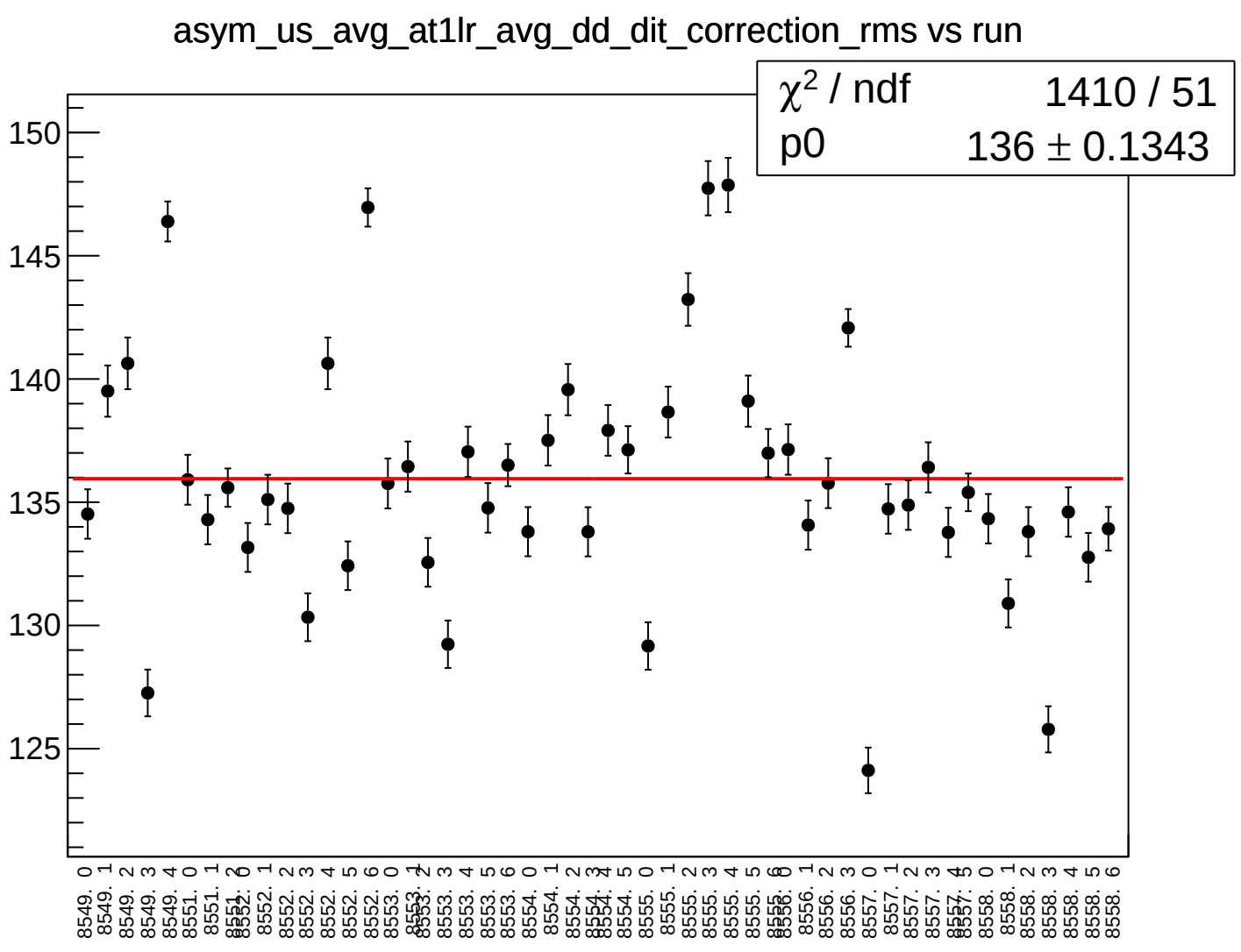
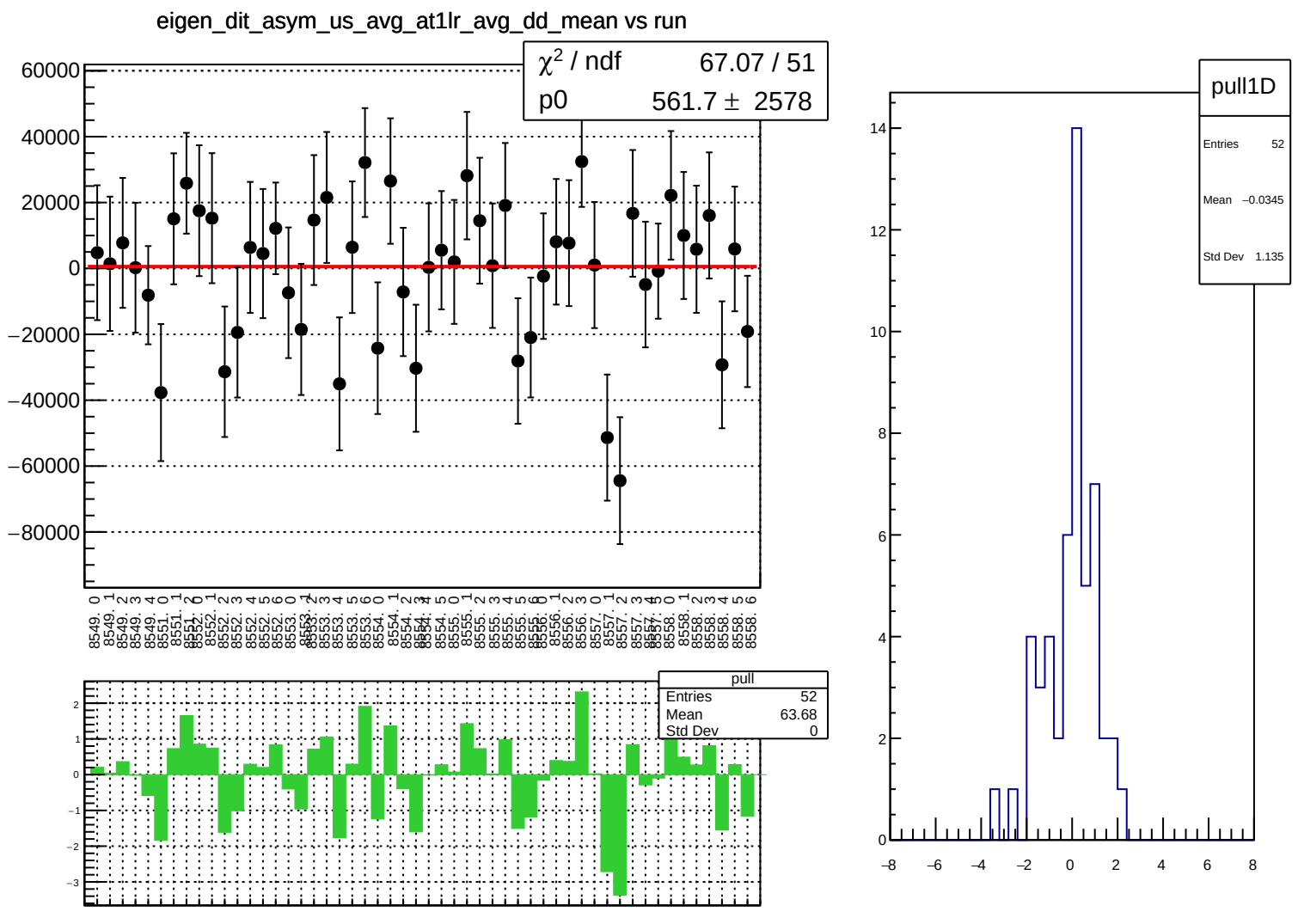
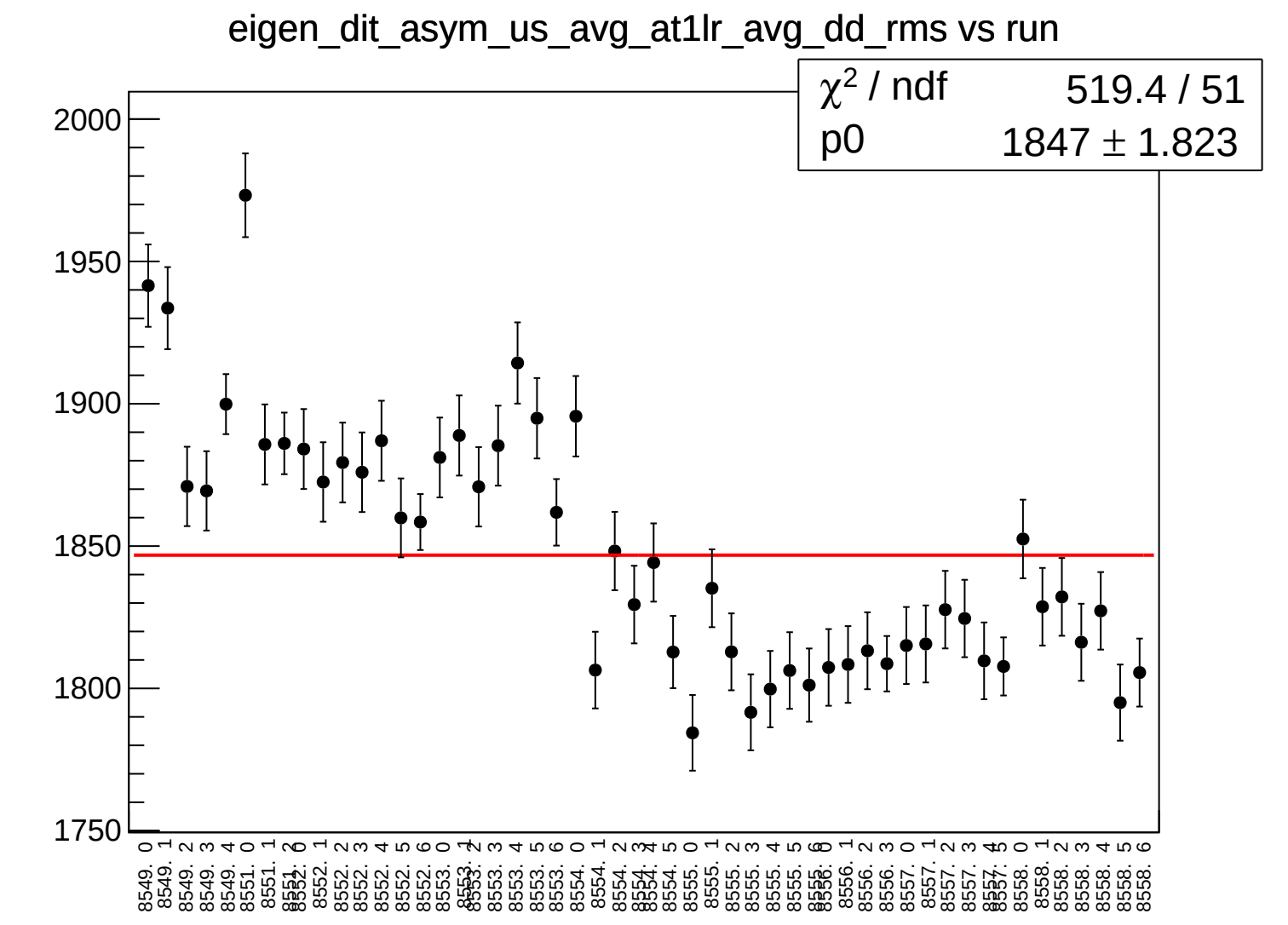
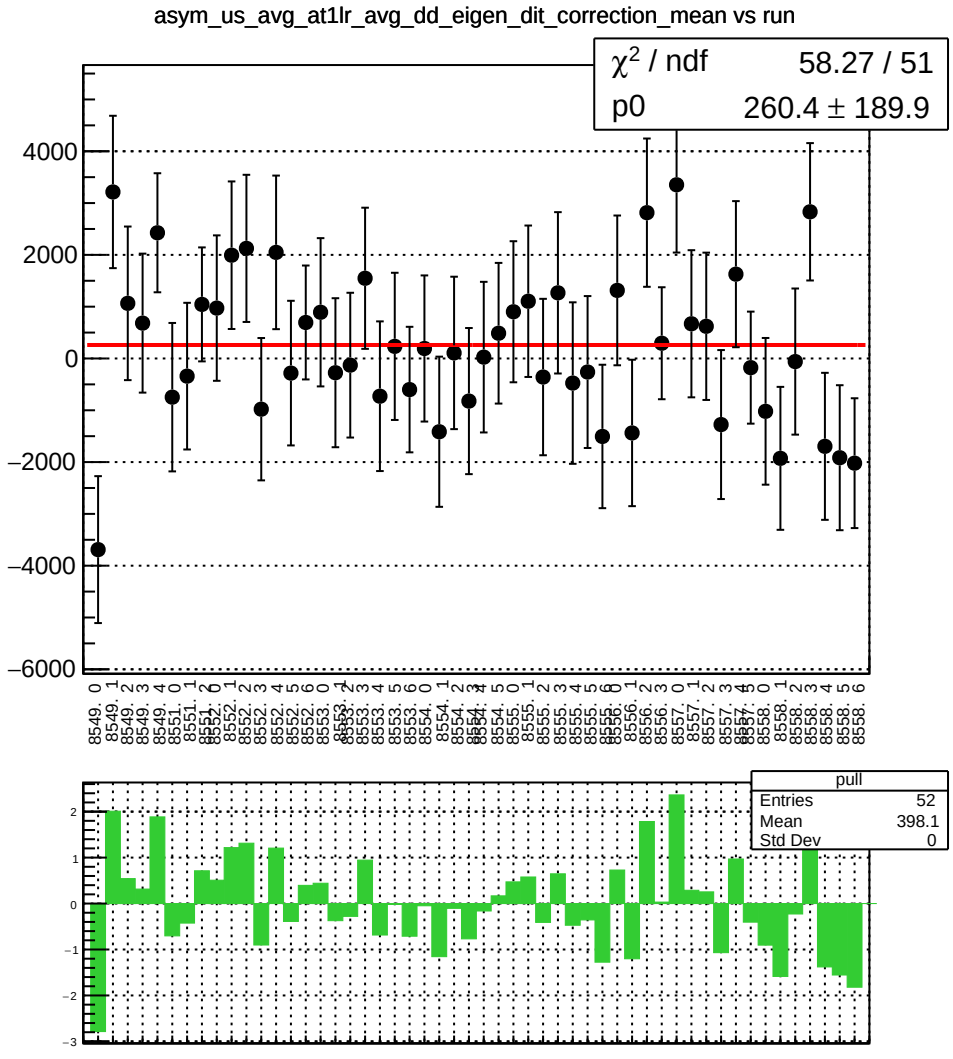
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

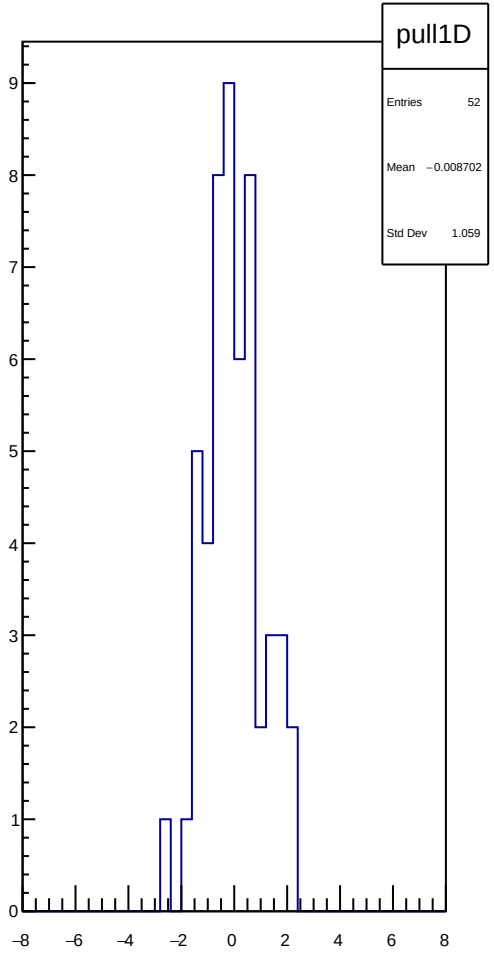

asym_us_avg_at1lr_avg_dd_dit_correction_mean vs run
χ² / ndf 58.27 / 51
p0 260.3 ± 189.9
pull
Entries 52
Mean 398.1
Std Dev 0
pull1D
Entries 52
Mean −0.008704
Std Dev 1.059

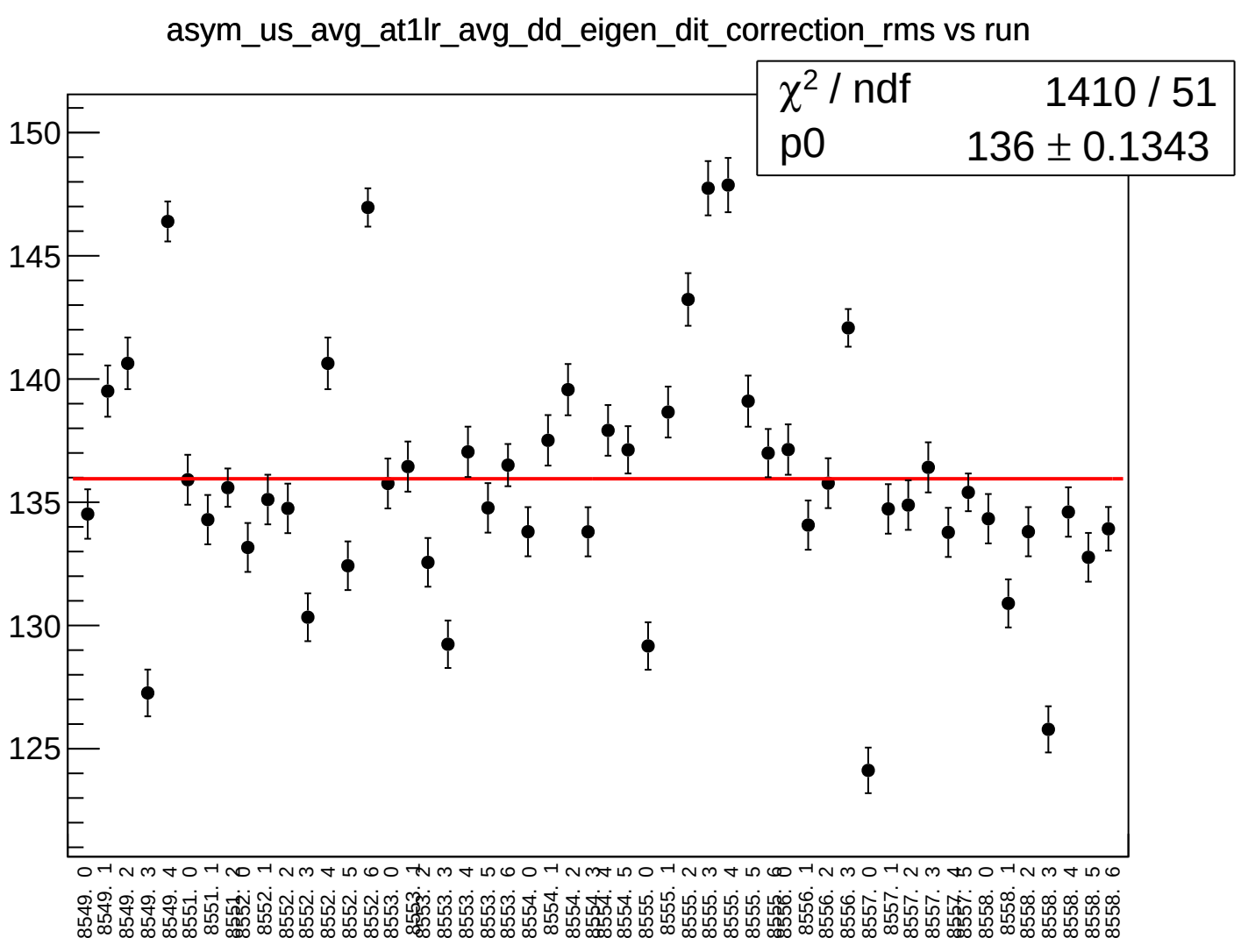

asym_us_avg_at1lr_avg_dd_dit_correction_rms vs run
χ² / ndf 1410 / 51
p0 136 ± 0.1343
150
145
140
135
130
125
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 5
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

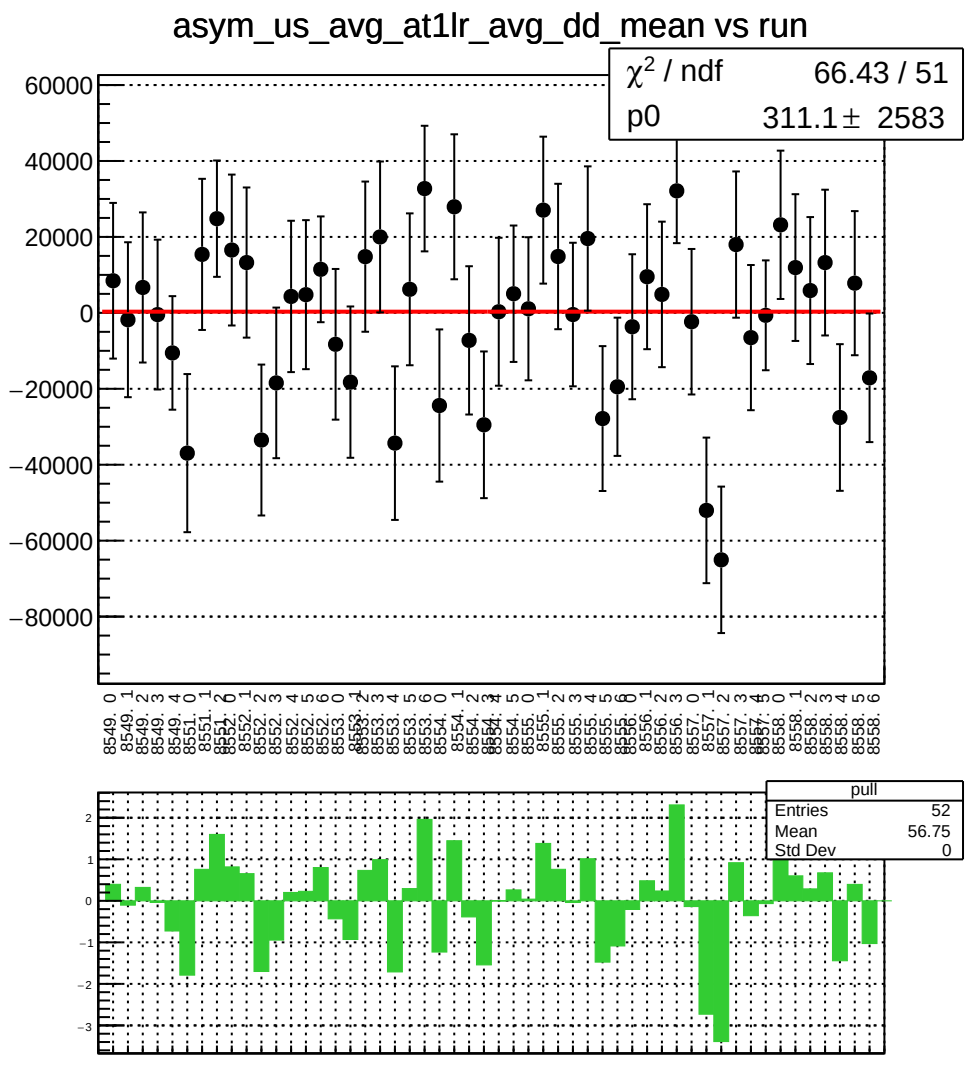

eigen_dit_asym_us_avg_at1lr_avg_dd_mean vs run
χ² / ndf 67.07 / 51
p0 561.7 ± 2578
pull
Entries 52
Mean 63.68
Std Dev 0
pull1D
Entries 52
Mean −0.0345
Std Dev 1.135

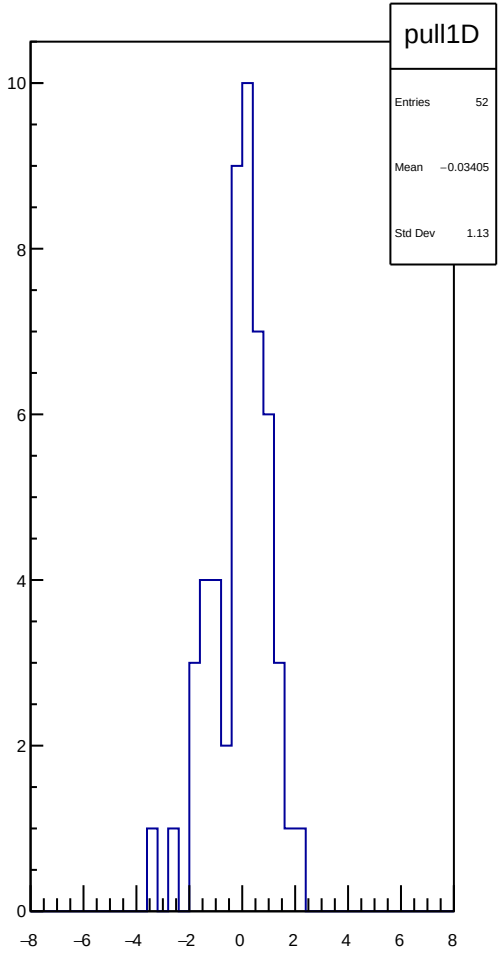

eigen_dit_asym_us_avg_at1lr_avg_dd_rms vs run
χ² / ndf 519.4 / 51
p0 1847 ± 1.823
2000
1950
1900
1850
1800
1750
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

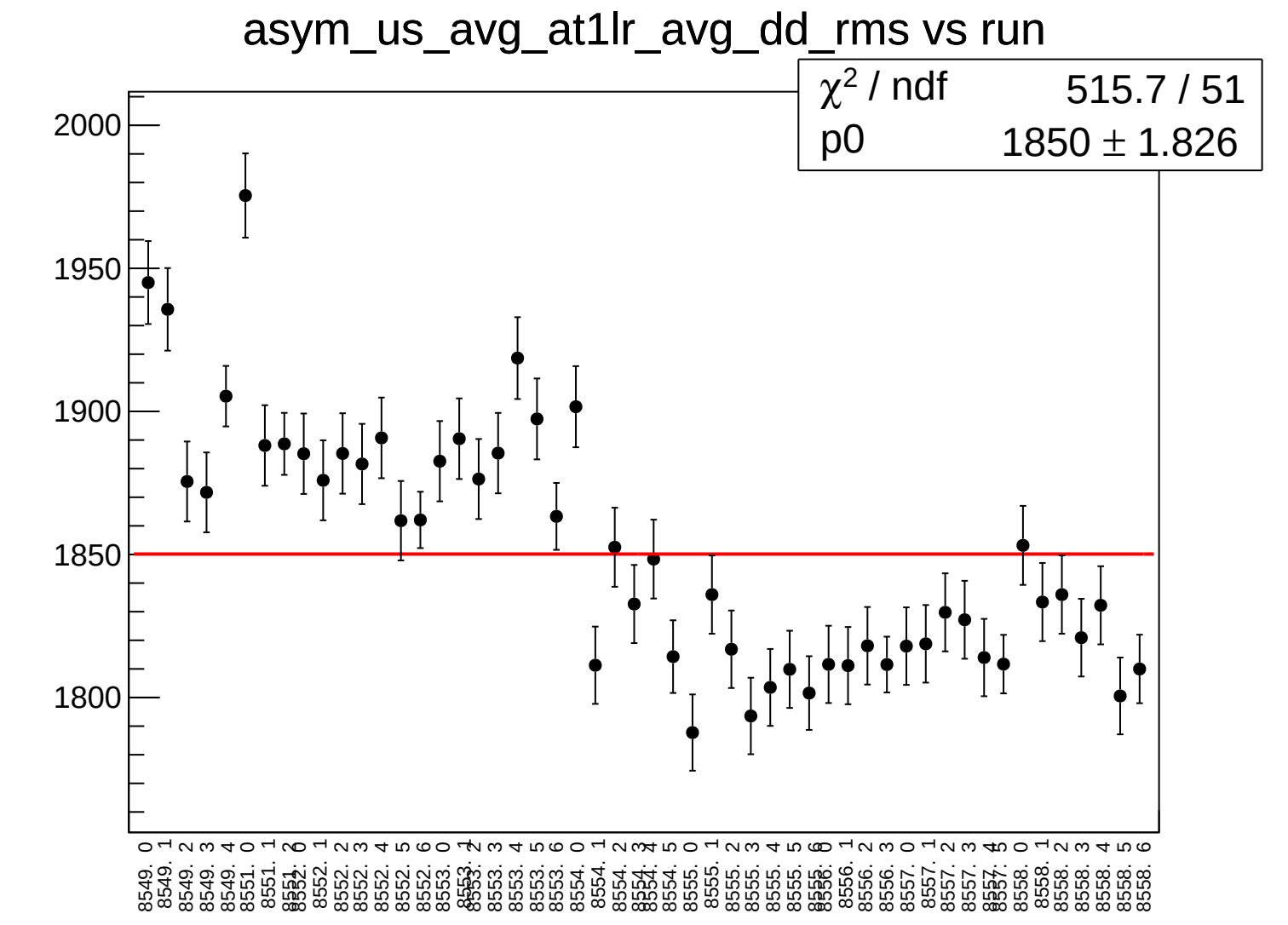

asym_us_avg_at1lr_avg_dd_eigen_dit_correction_mean vs run
χ^2 / ndf 58.27 / 51
p0 260.4 ± 189.9
pull
Entries 52
Mean 398.1
Std Dev 0

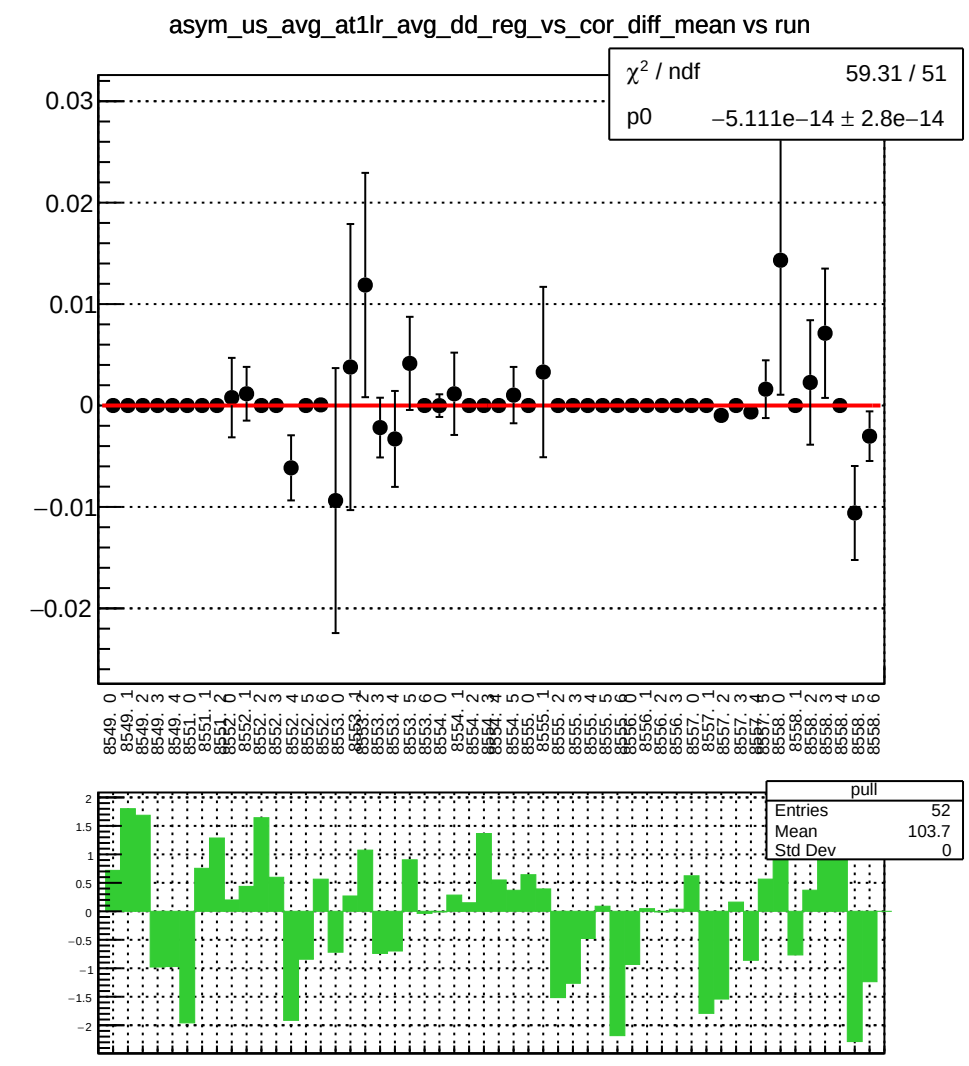

pull1D
Entries 52
Mean −0.008702
Std Dev 1.059

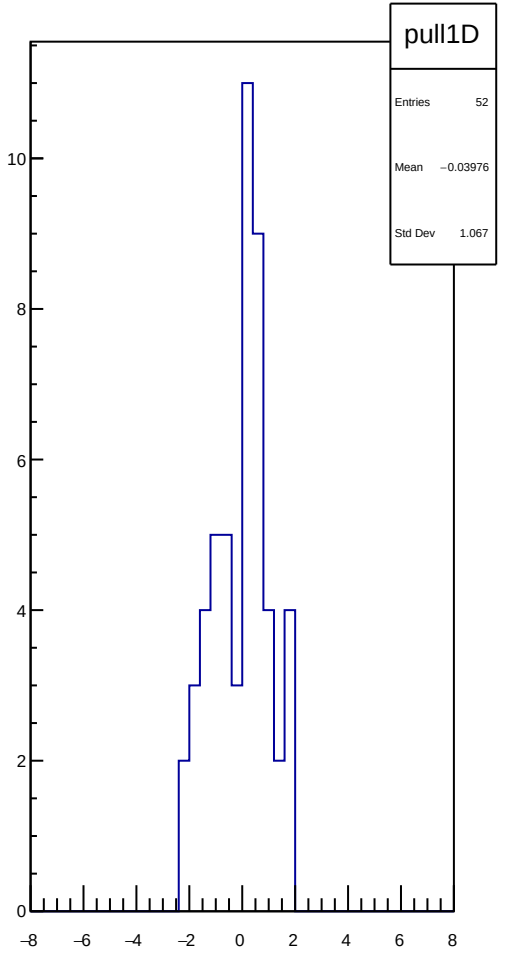

asym_us_avg_at1lr_avg_dd_eigen_dit_correction_rms vs run
χ² / ndf 1410 / 51
p0 136 ± 0.1343
150
145
140
135
130
125
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 5
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

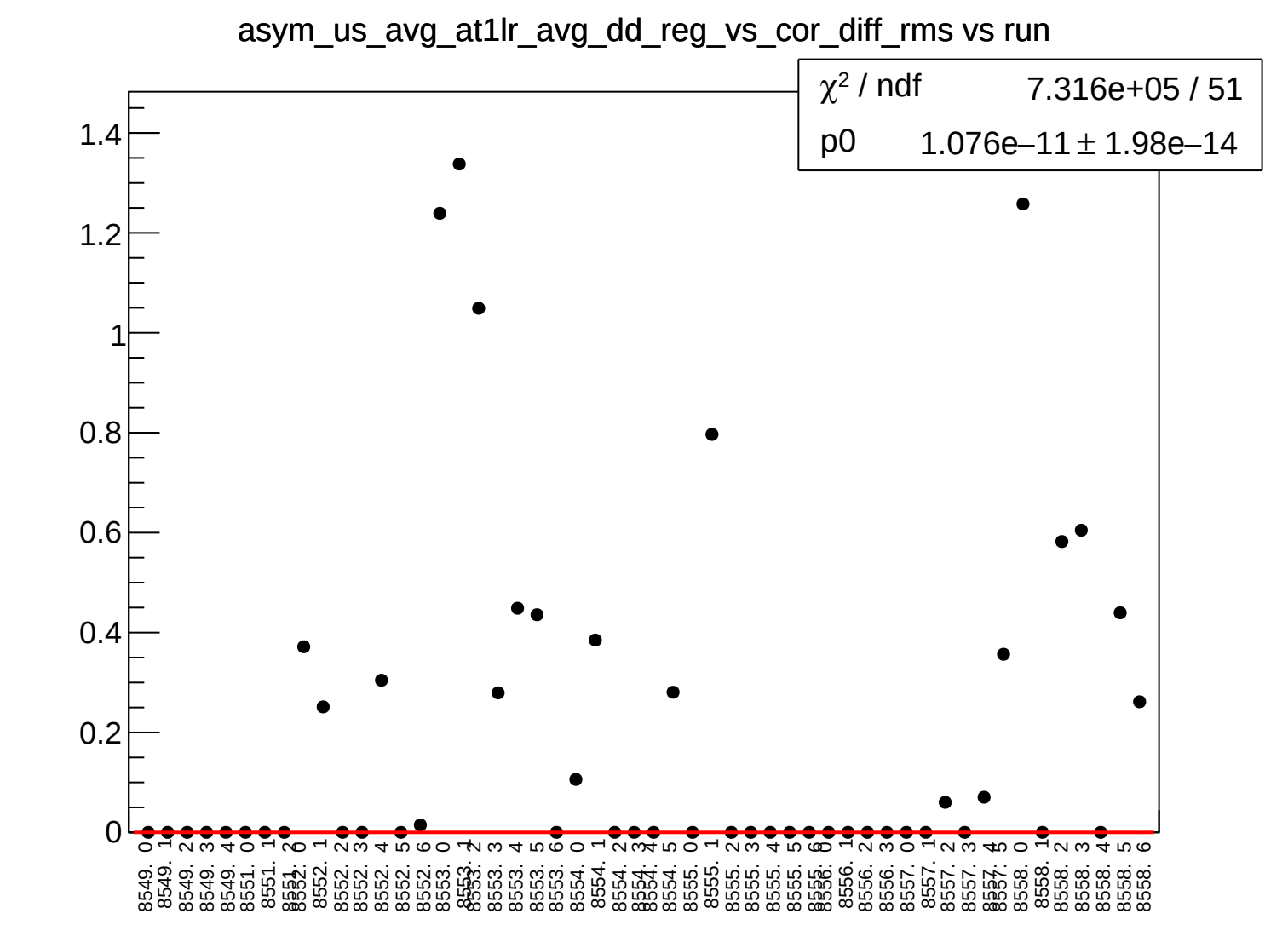

asym_us_avg_at1lr_avg_dd_mean vs run
χ² / ndf 66.43 / 51
p0 311.1 ± 2583
pull
Entries 52
Mean 56.75
Std Dev 0

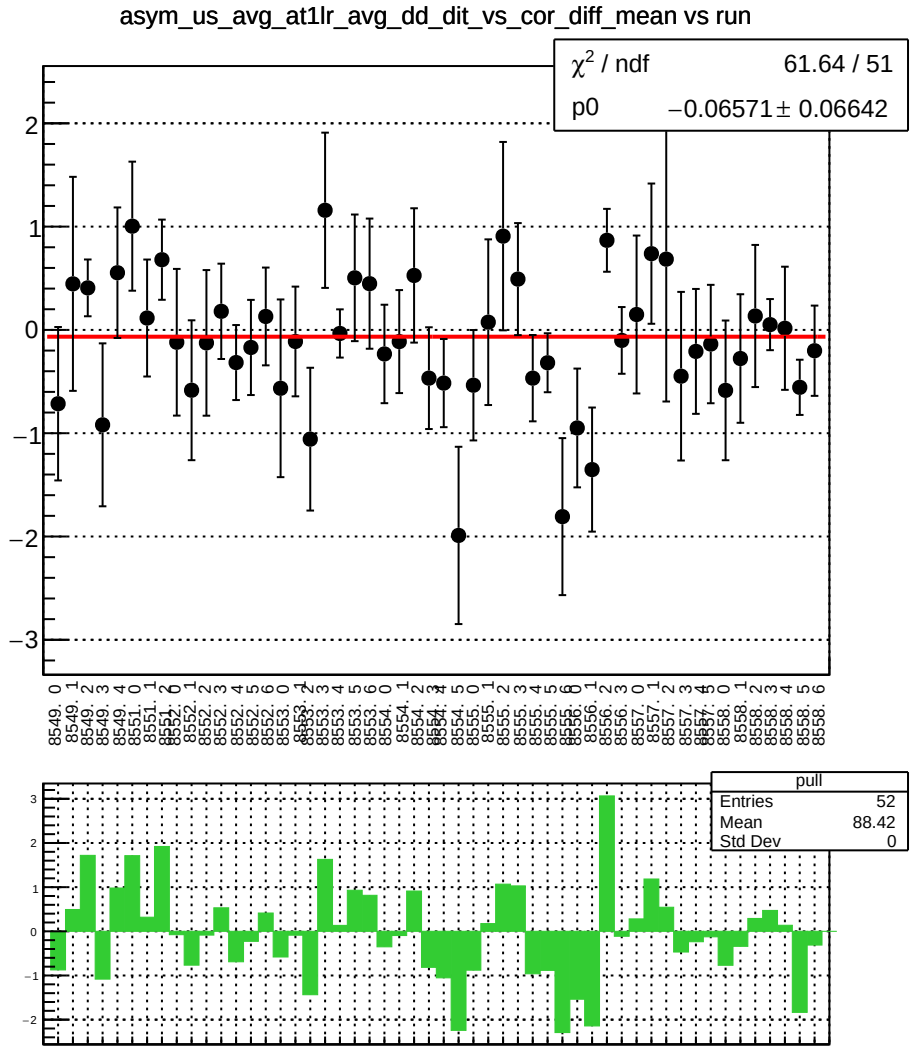

pull1D
Entries 52
Mean −0.03405
Std Dev 1.13

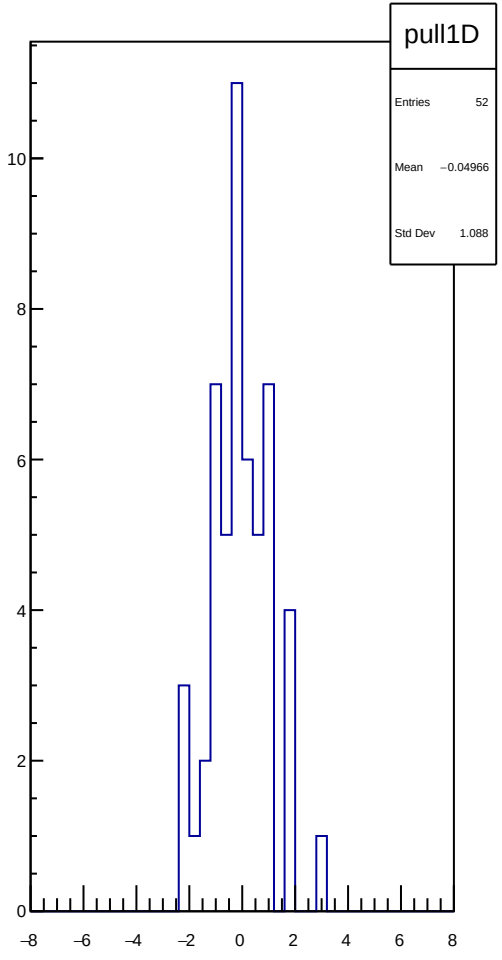

asym_us_avg_at1lr_avg_dd_rms vs run
χ² / ndf 515.7 / 51
p0 1850 ± 1.826
2000
1950
1900
1850
1800
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

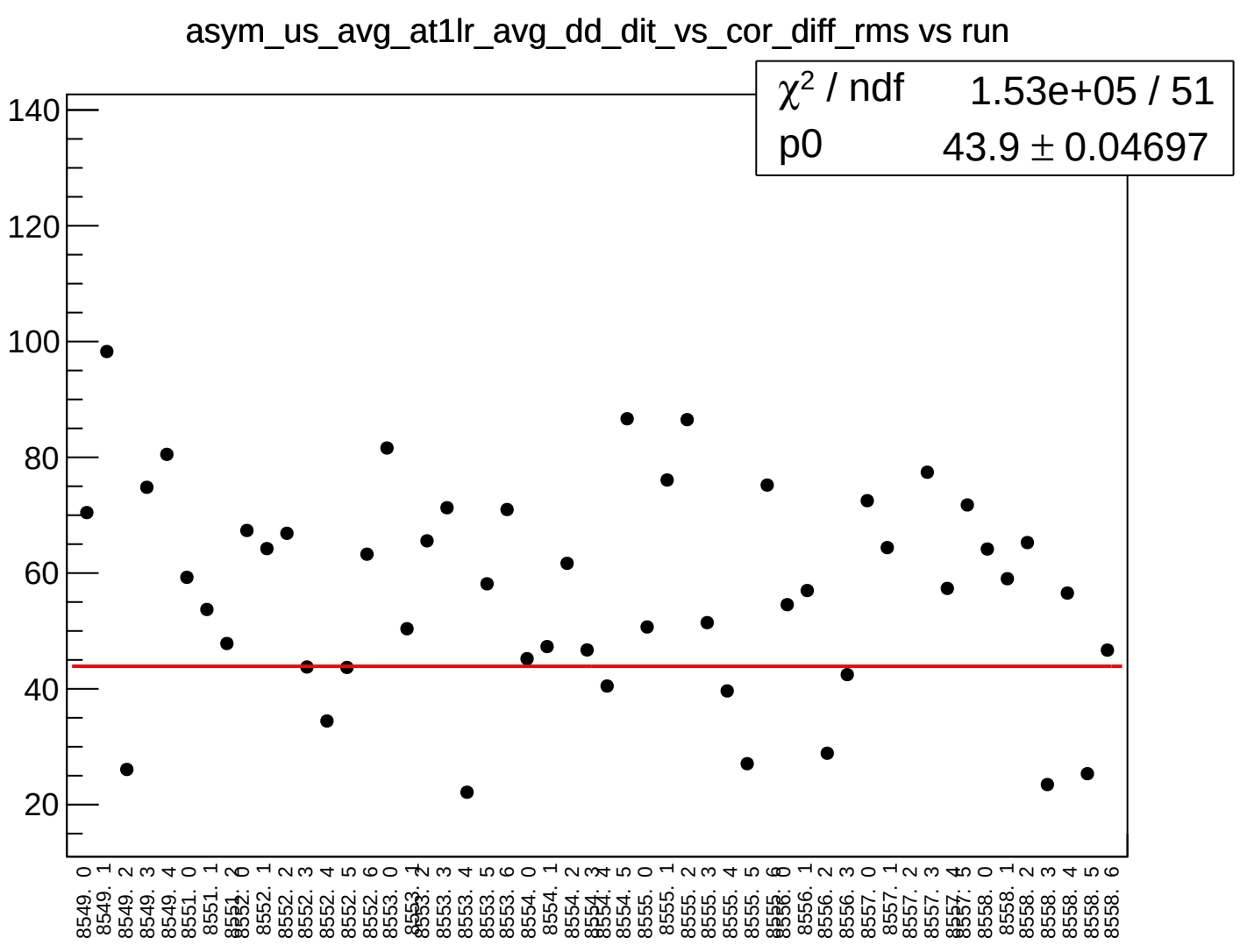

asym_us_avg_at1lr_avg_dd_reg_vs_cor_diff_mean vs run
χ² / ndf 59.31 / 51
p0 −5.111e−14 ± 2.8e−14
0.03
0.02
0.01
0
−0.01
−0.02
pull
Entries 52
Mean 103.7
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

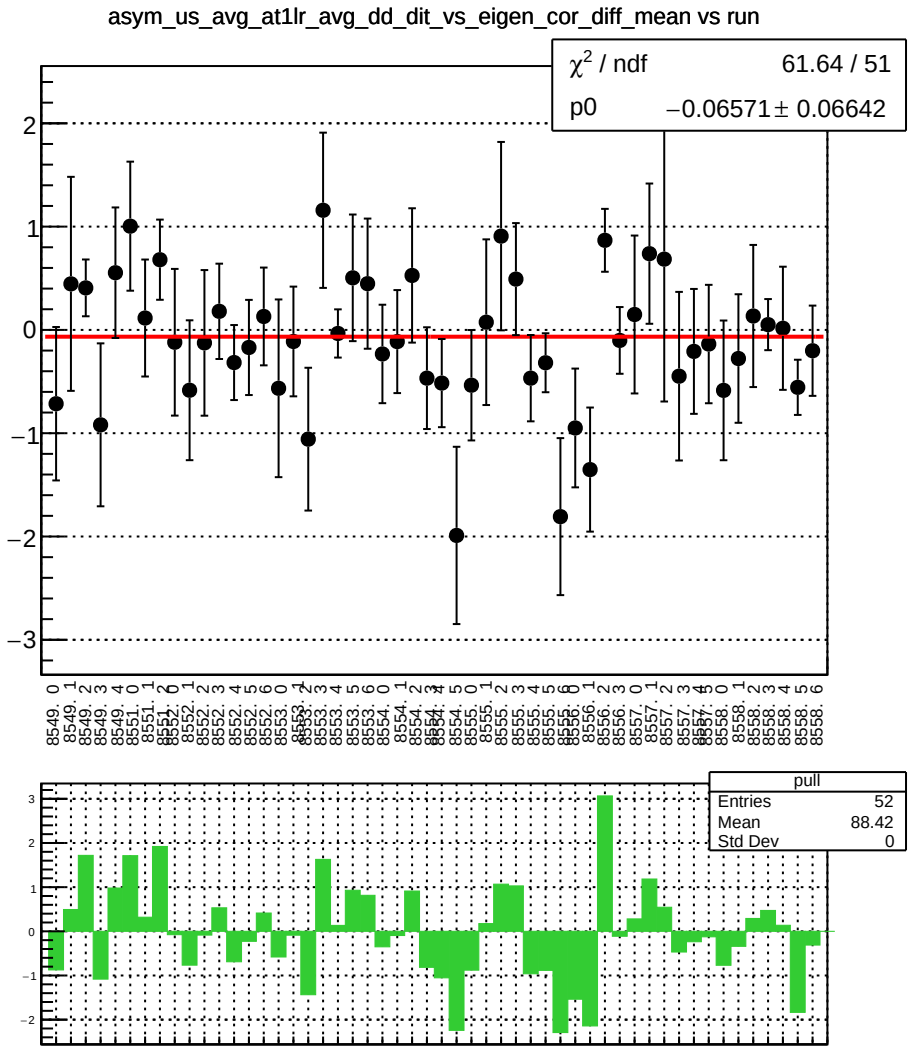

pull1D
Entries 52
Mean −0.03976
Std Dev 1.067
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

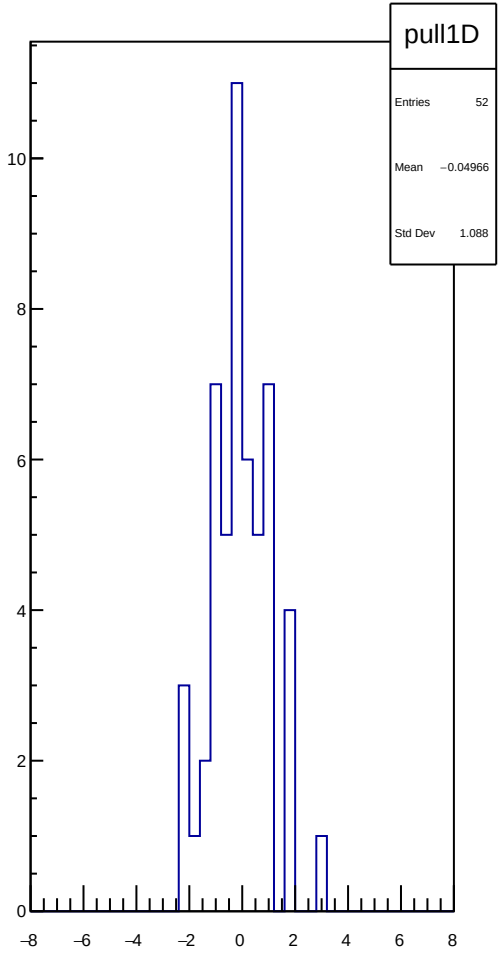

asym_us_avg_at1lr_avg_dd_reg_vs_cor_diff_rms vs run
χ² / ndf 7.316e+05 / 51
p0 1.076e−11 ± 1.98e−14
1.4
1.2
1
0.8
0.6
0.4
0.2
0
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 0
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 1
8553. 2
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 3
8554. 4
8554. 5
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8555. 6
8556. 0
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8557. 4
8557. 5
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

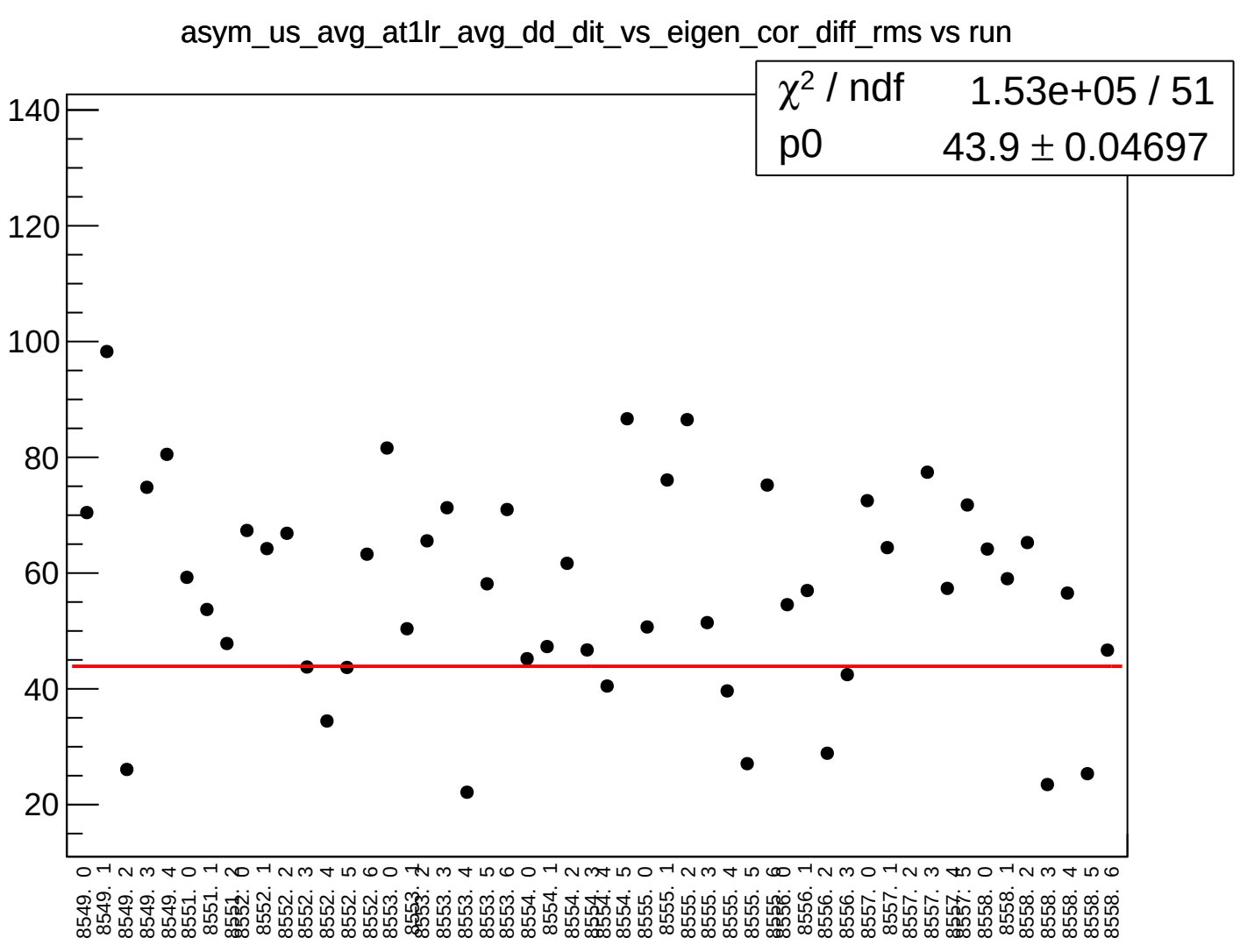

asym_us_avg_at1lr_avg_dd_dit_vs_cor_diff_mean vs run
χ² / ndf 61.64 / 51
p0 −0.06571 ± 0.06642
pull
Entries 52
Mean 88.42
Std Dev 0

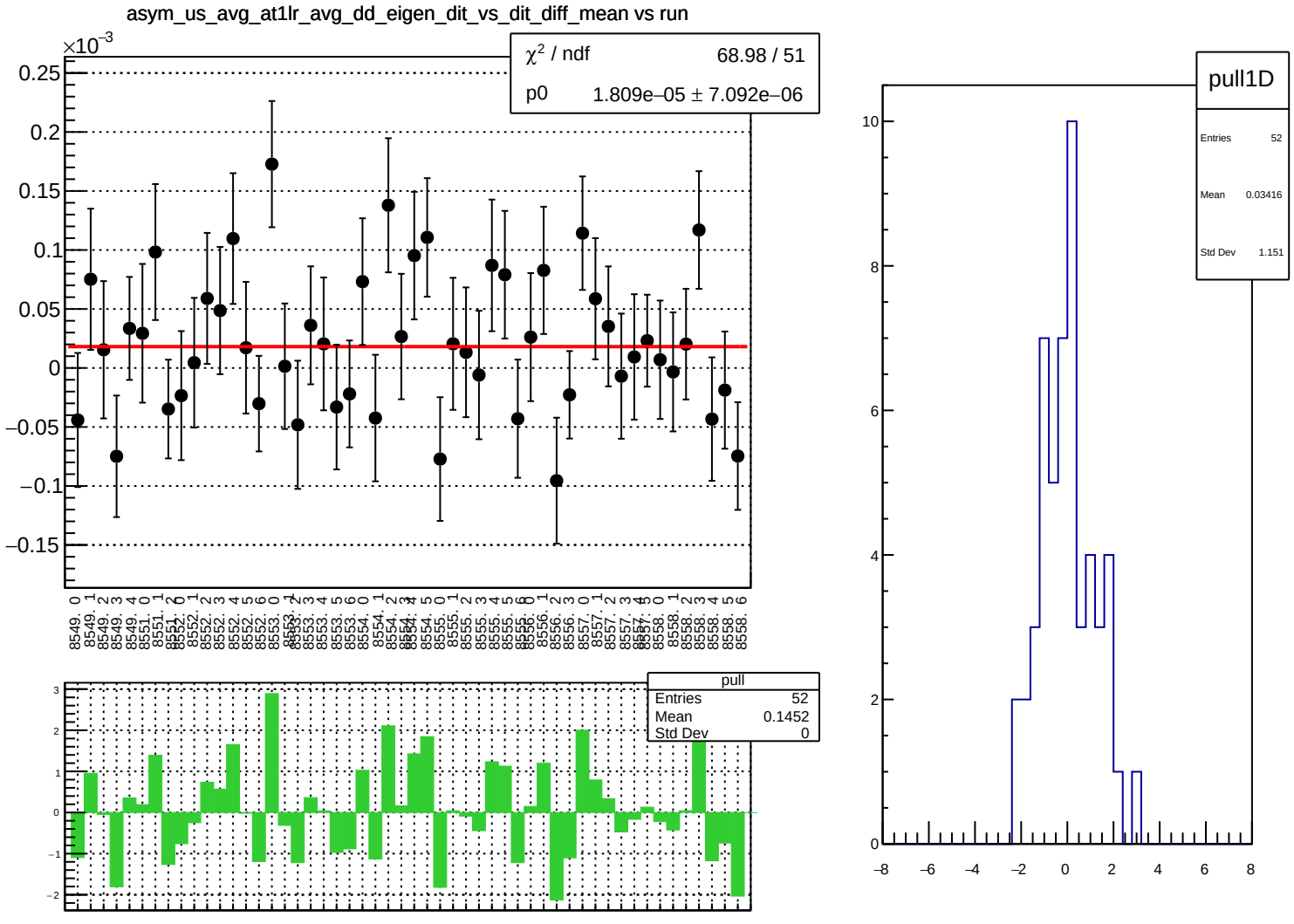

pull1D
Entries 52
Mean −0.04966
Std Dev 1.088

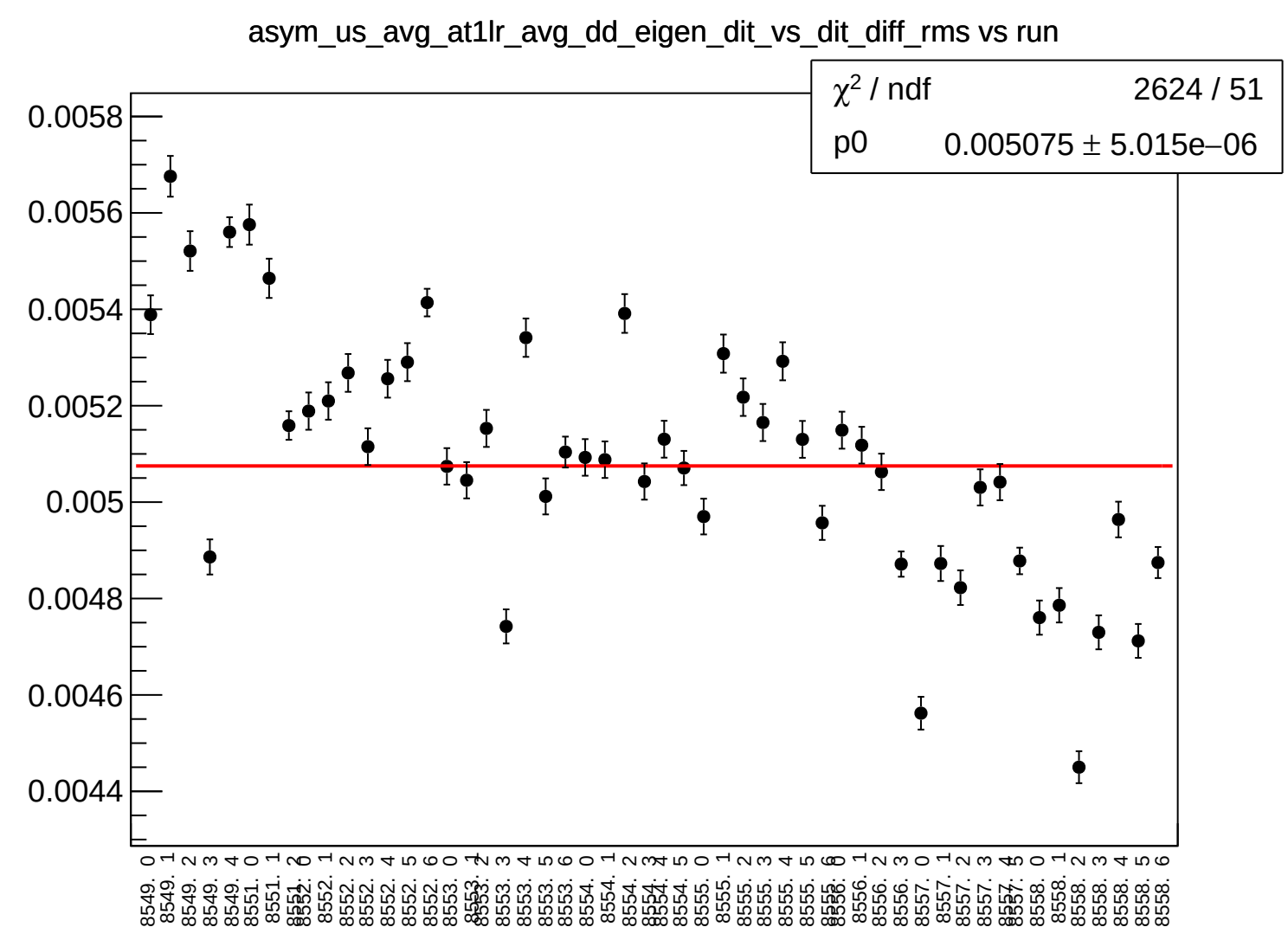

asym_us_avg_at1lr_avg_dd_dit_vs_cor_diff_rms vs run
χ² / ndf 1.53e+05 / 51
p0 43.9 ± 0.04697
140
120
100
80
60
40
20
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

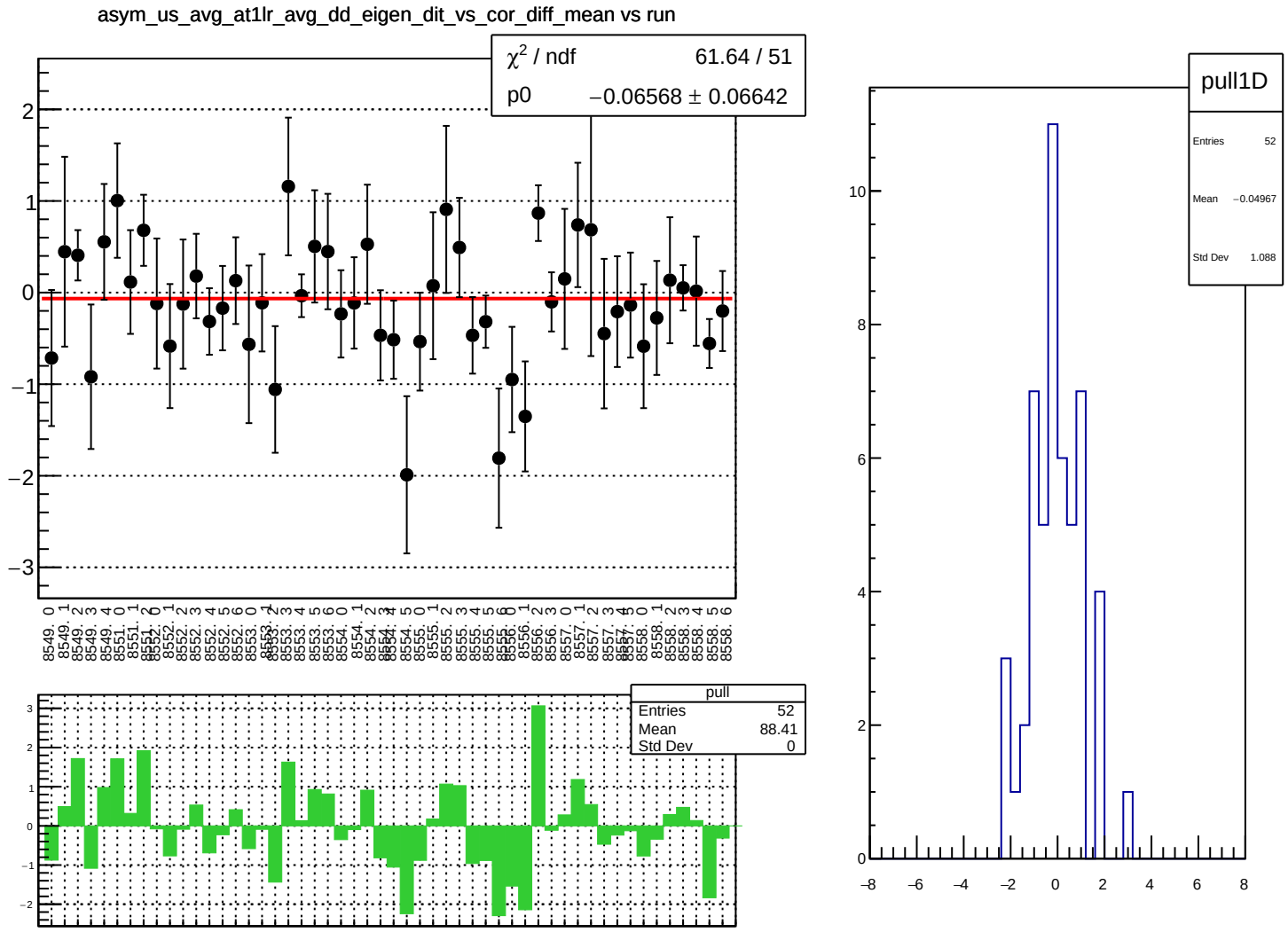

asym_us_avg_at1lr_avg_dd_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 61.64 / 51
p0 −0.06571 ± 0.06642
pull
Entries 52
Mean 88.42
Std Dev 0

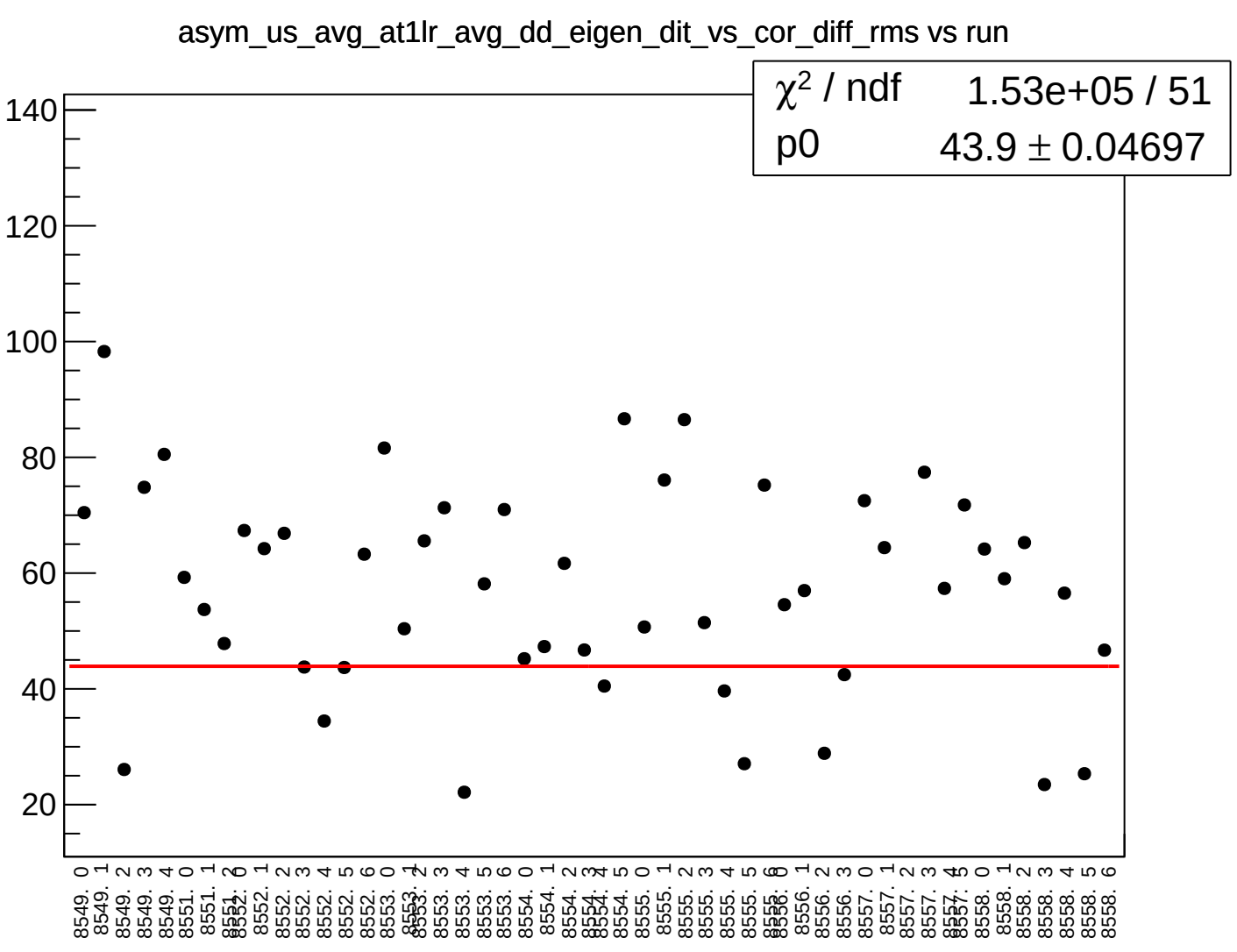

pull1D
Entries 52
Mean −0.04966
Std Dev 1.088

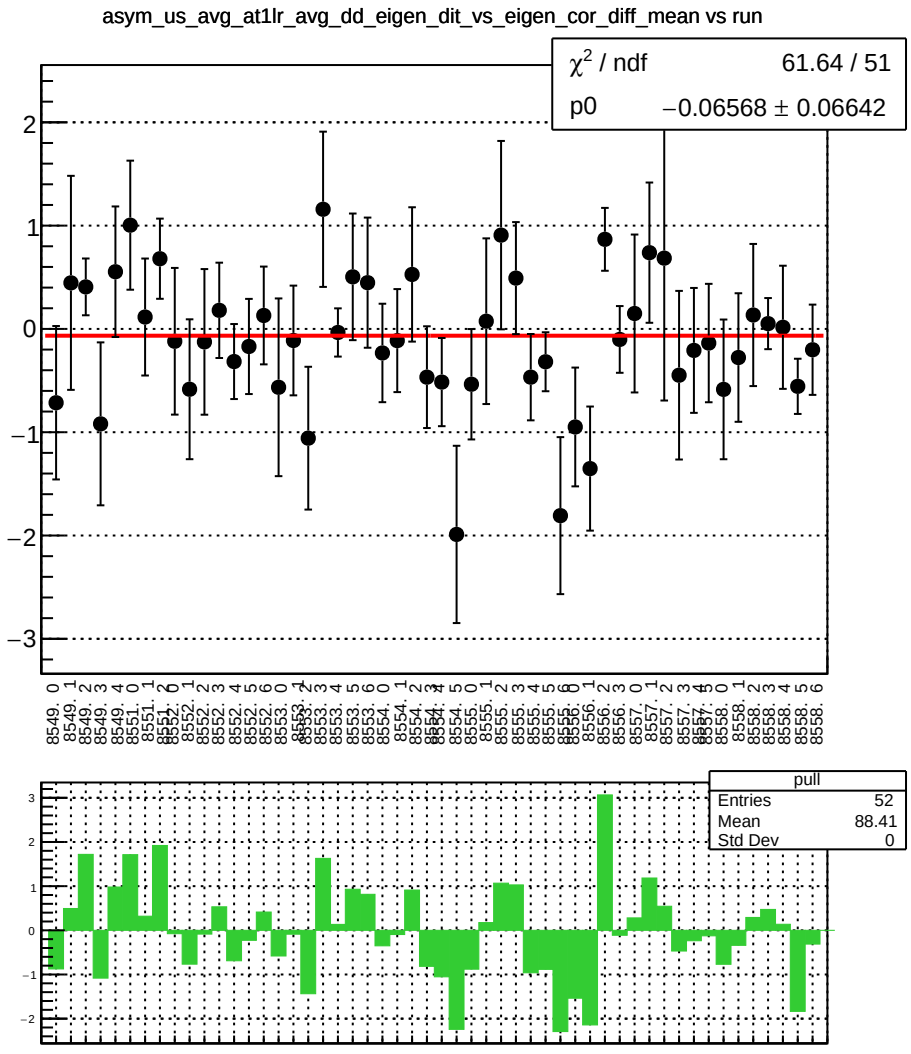

asym_us_avg_at1lr_avg_dd_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.53e+05 / 51
p0 43.9 ± 0.04697
140
120
100
80
60
40
20
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

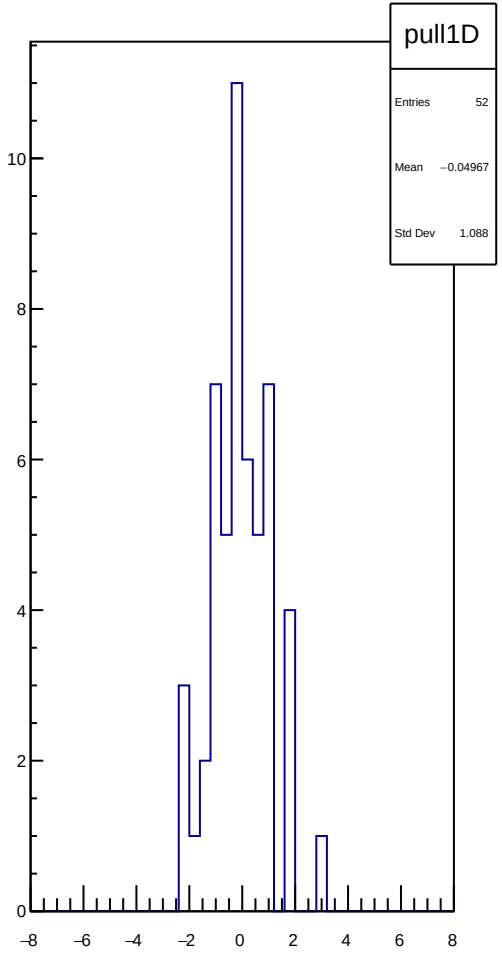

asym_us_avg_at1lr_avg_dd_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 68.98 / 51
p0 1.809e−05 ± 7.092e−06
pull
Entries 52
Mean 0.1452
Std Dev 0
pull1D
Entries 52
Mean 0.03416
Std Dev 1.151

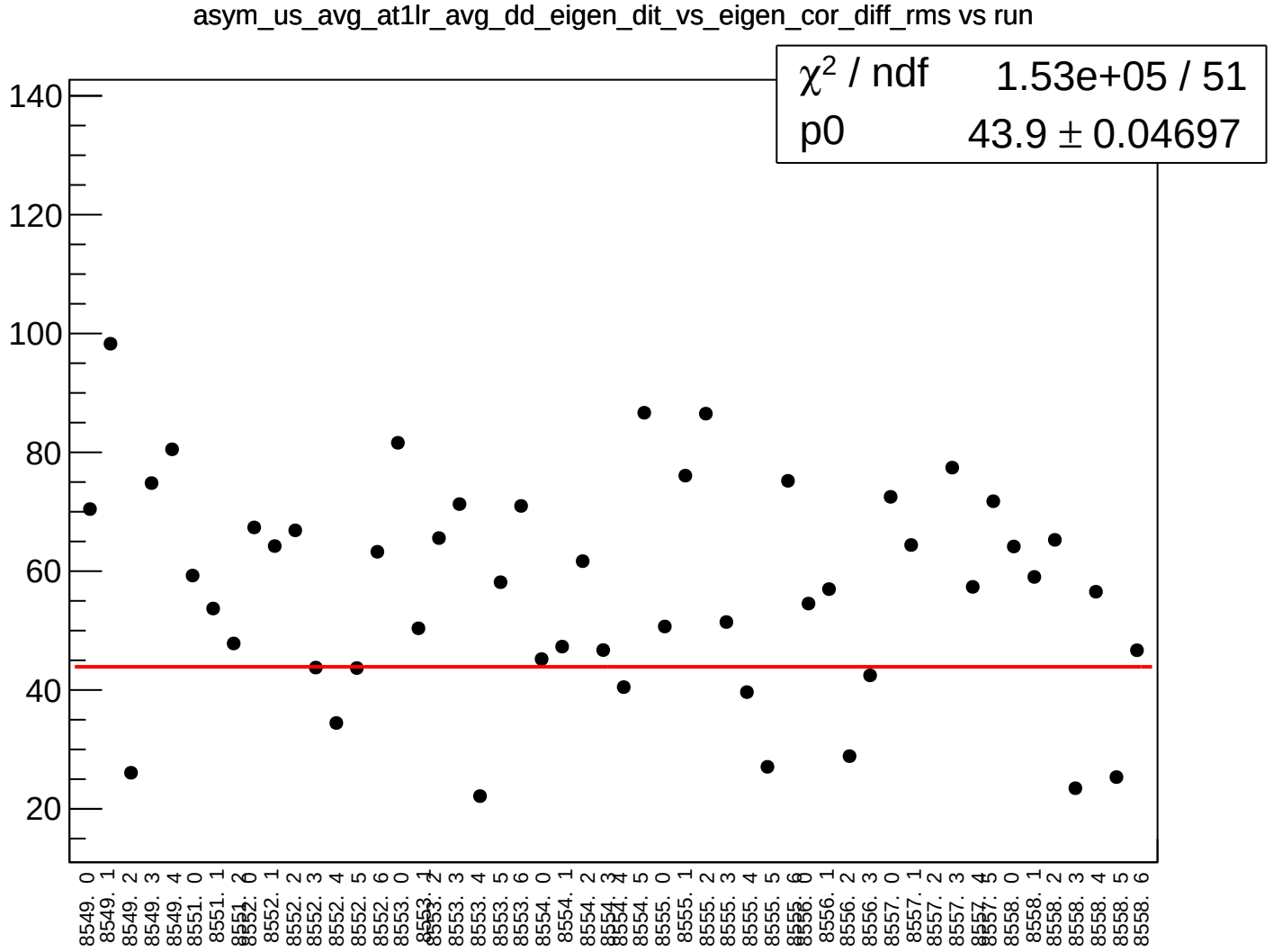

asym_us_avg_at1lr_avg_dd_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 2624 / 51
p0 0.005075 ± 5.015e−06
0.0058
0.0056
0.0054
0.0052
0.005
0.0048
0.0046
0.0044
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

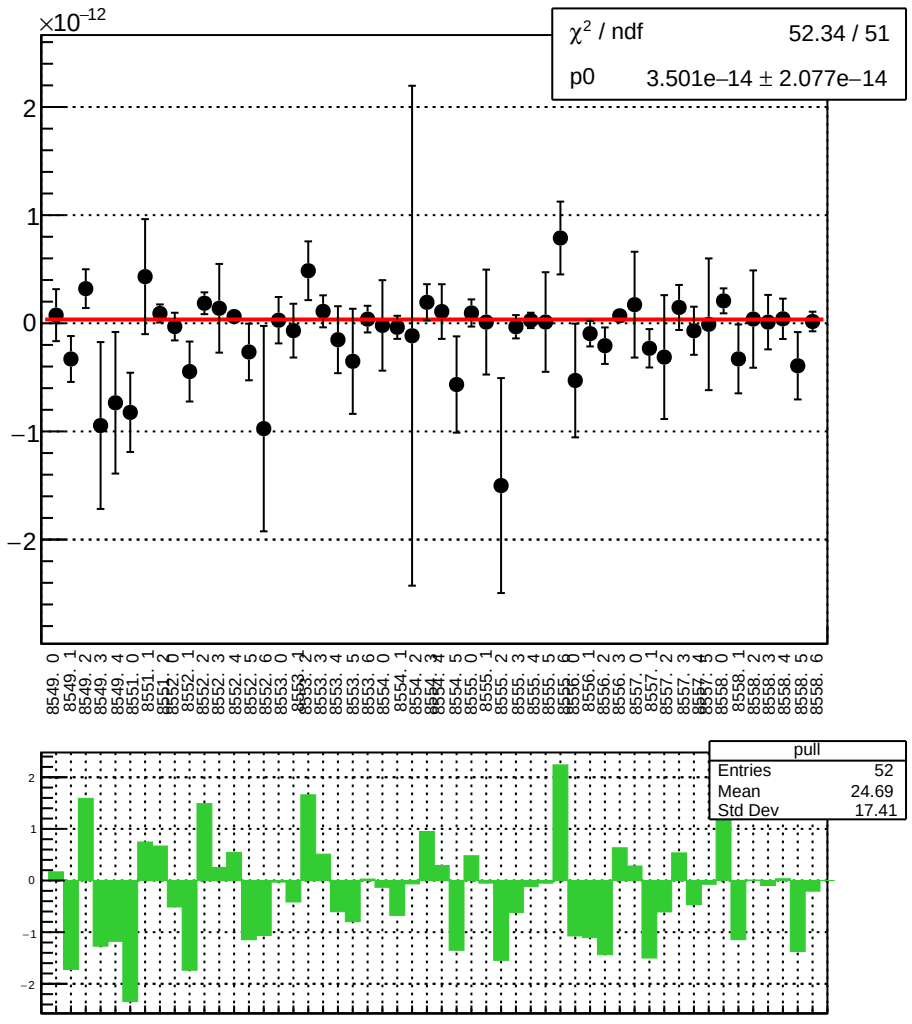

asym_us_avg_at1lr_avg_dd_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 61.64 / 51
p0 −0.06568 ± 0.06642
pull
Entries 52
Mean 88.41
Std Dev 0
pull1D
Entries 52
Mean −0.04967
Std Dev 1.088

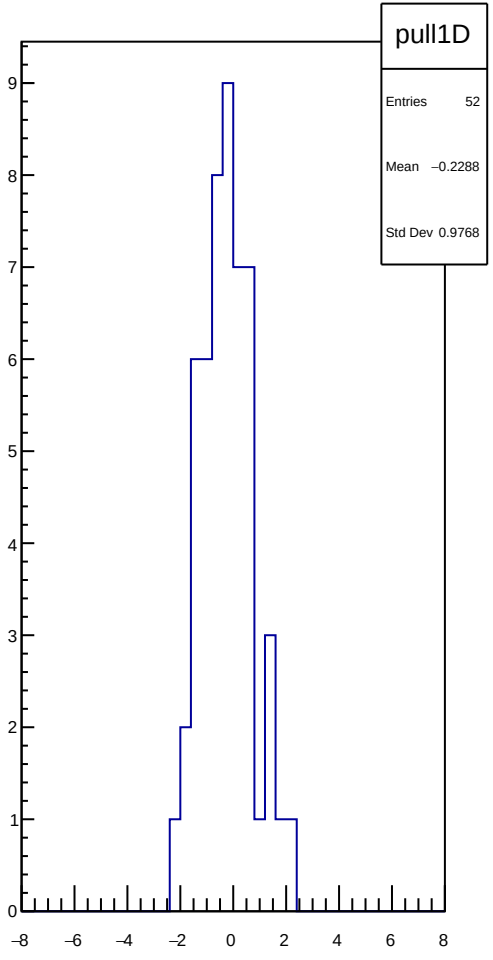

asym_us_avg_at1lr_avg_dd_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 1.53e+05 / 51
p0 43.9 ± 0.04697
140
120
100
80
60
40
20
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

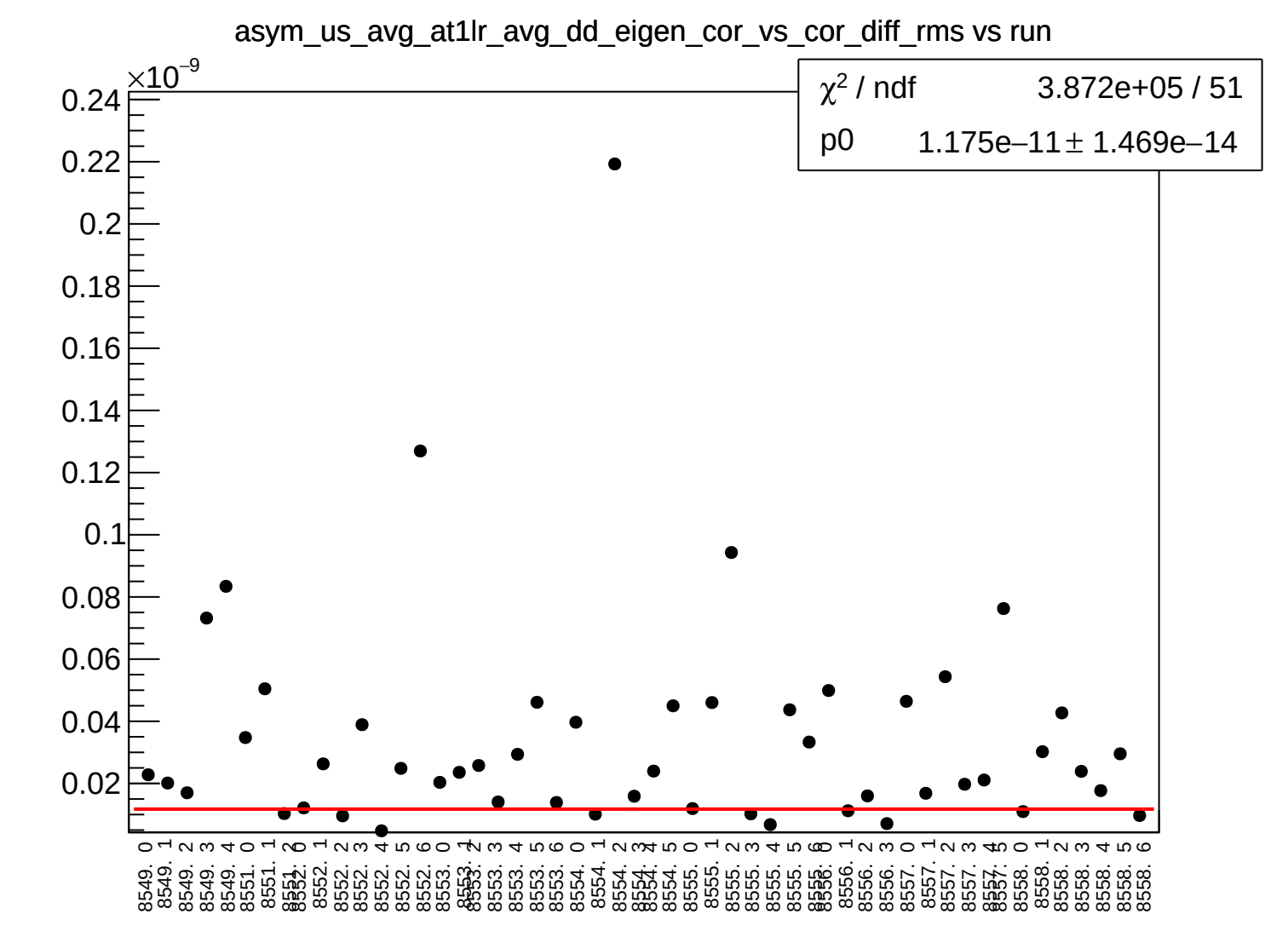

asym_us_avg_at1lr_avg_dd_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 61.64 / 51
p0 −0.06568 ± 0.06642
pull
Entries 52
Mean 88.41
Std Dev 0

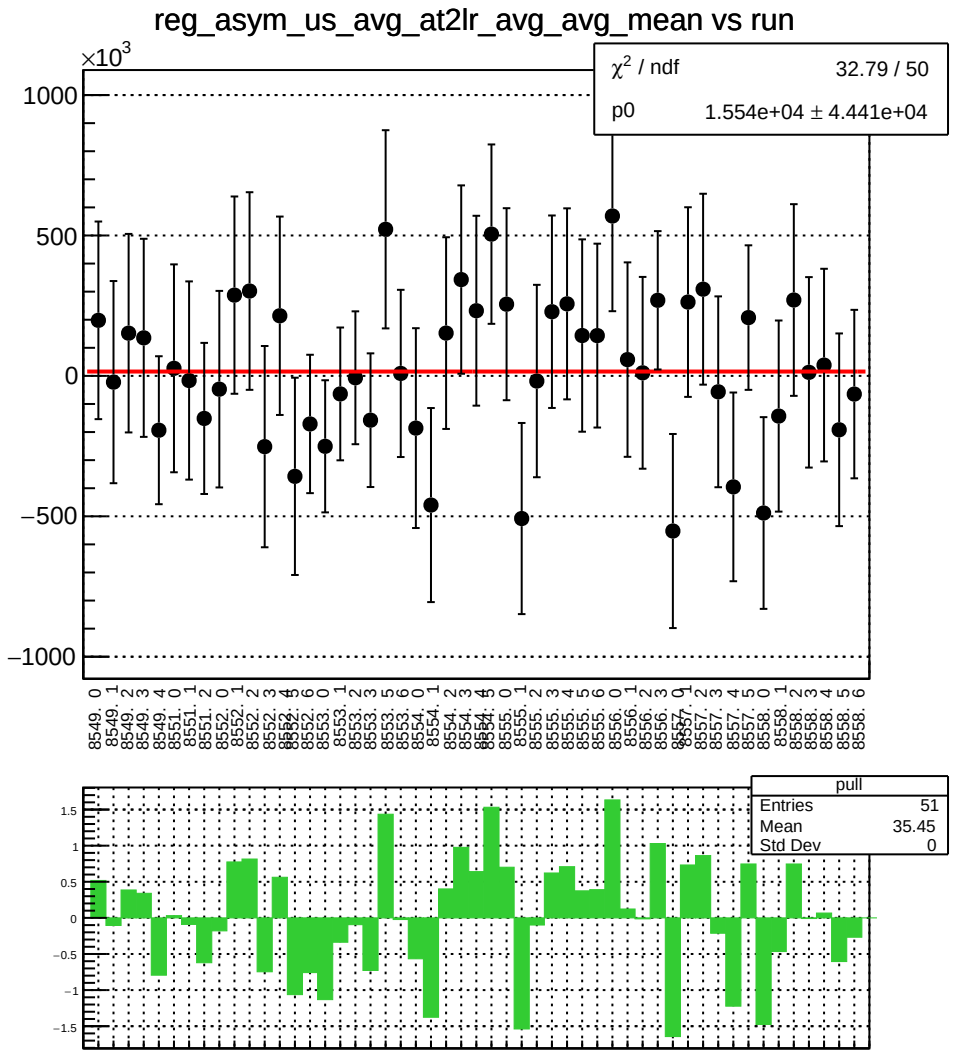

pull1D
Entries 52
Mean −0.04967
Std Dev 1.088

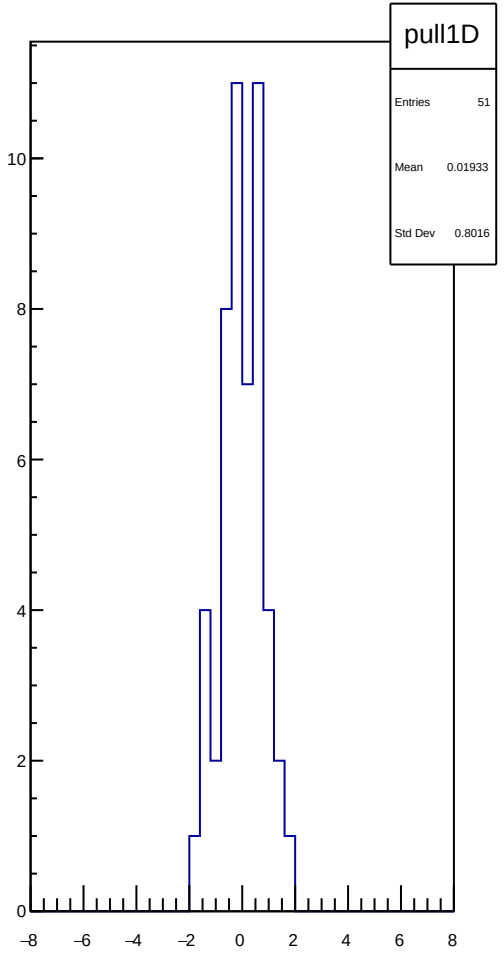

asym_us_avg_at1lr_avg_dd_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.53e+05 / 51
p0 43.9 ± 0.04697
140
120
100
80
60
40
20
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 5
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

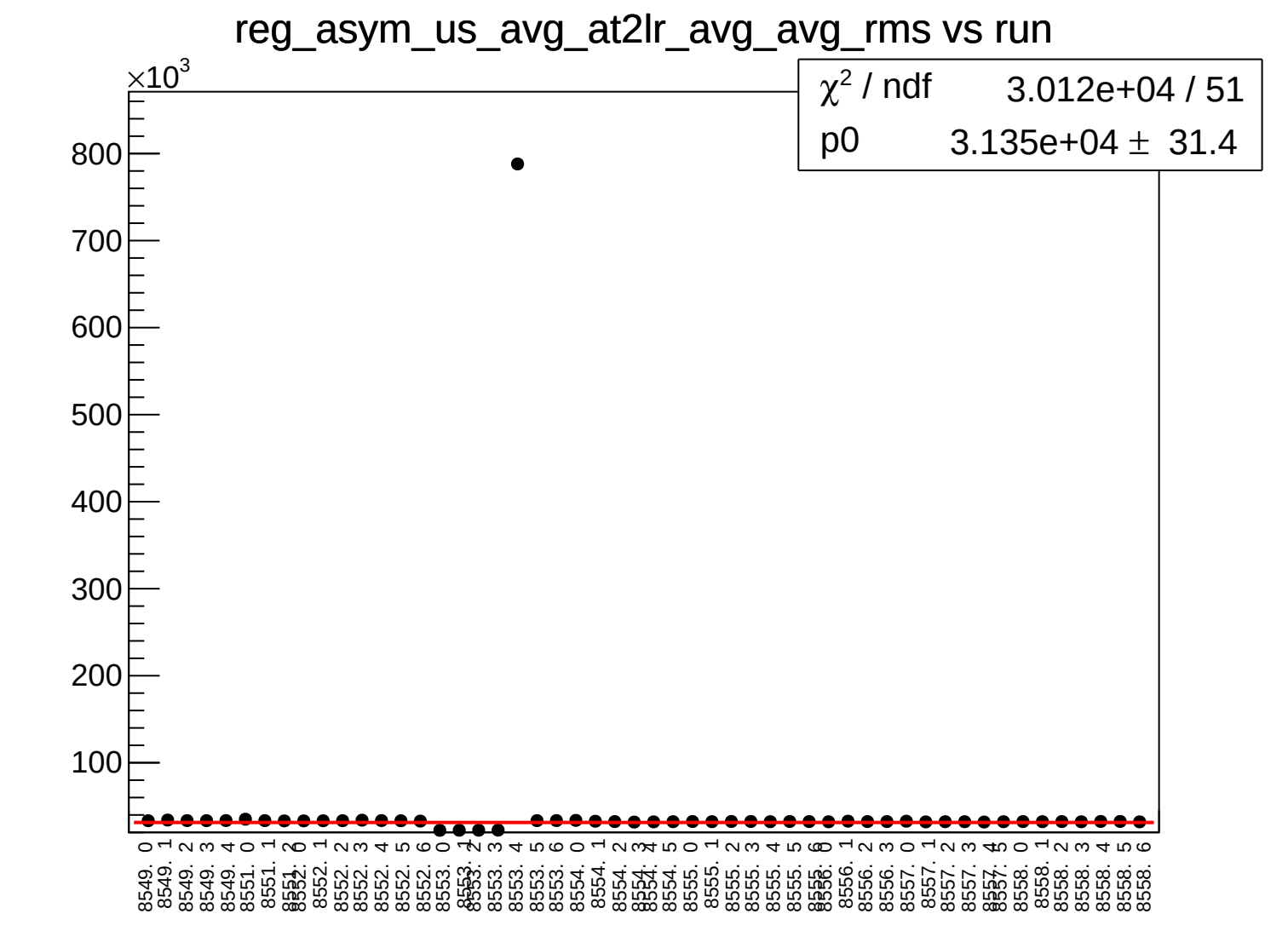

asym_us_avg_at1lr_avg_dd_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 52.34 / 51
p0 3.501e−14 ± 2.077e−14
pull
Entries 52
Mean 24.69
Std Dev 17.41

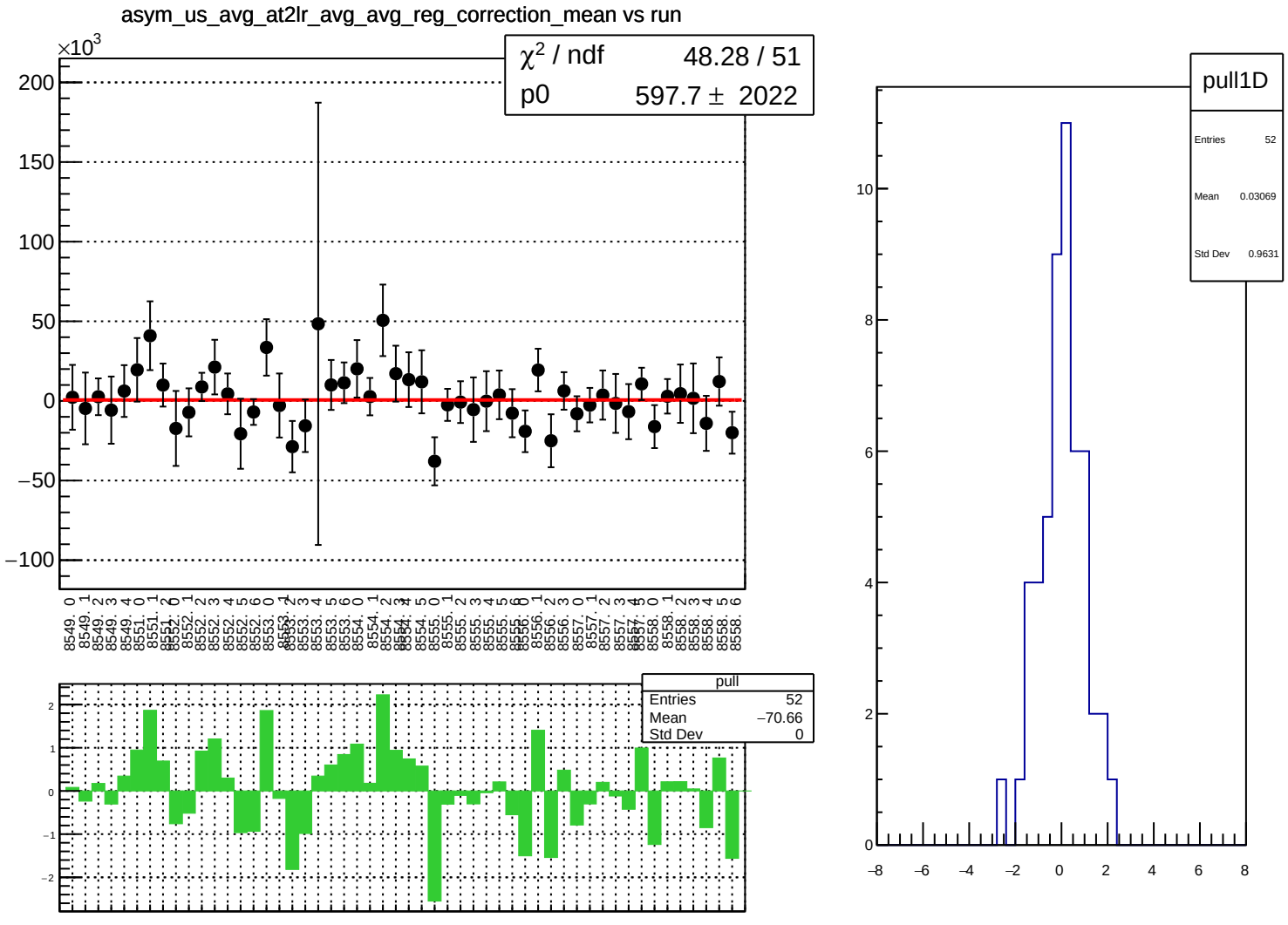

pull1D
Entries 52
Mean −0.2288
Std Dev 0.9768

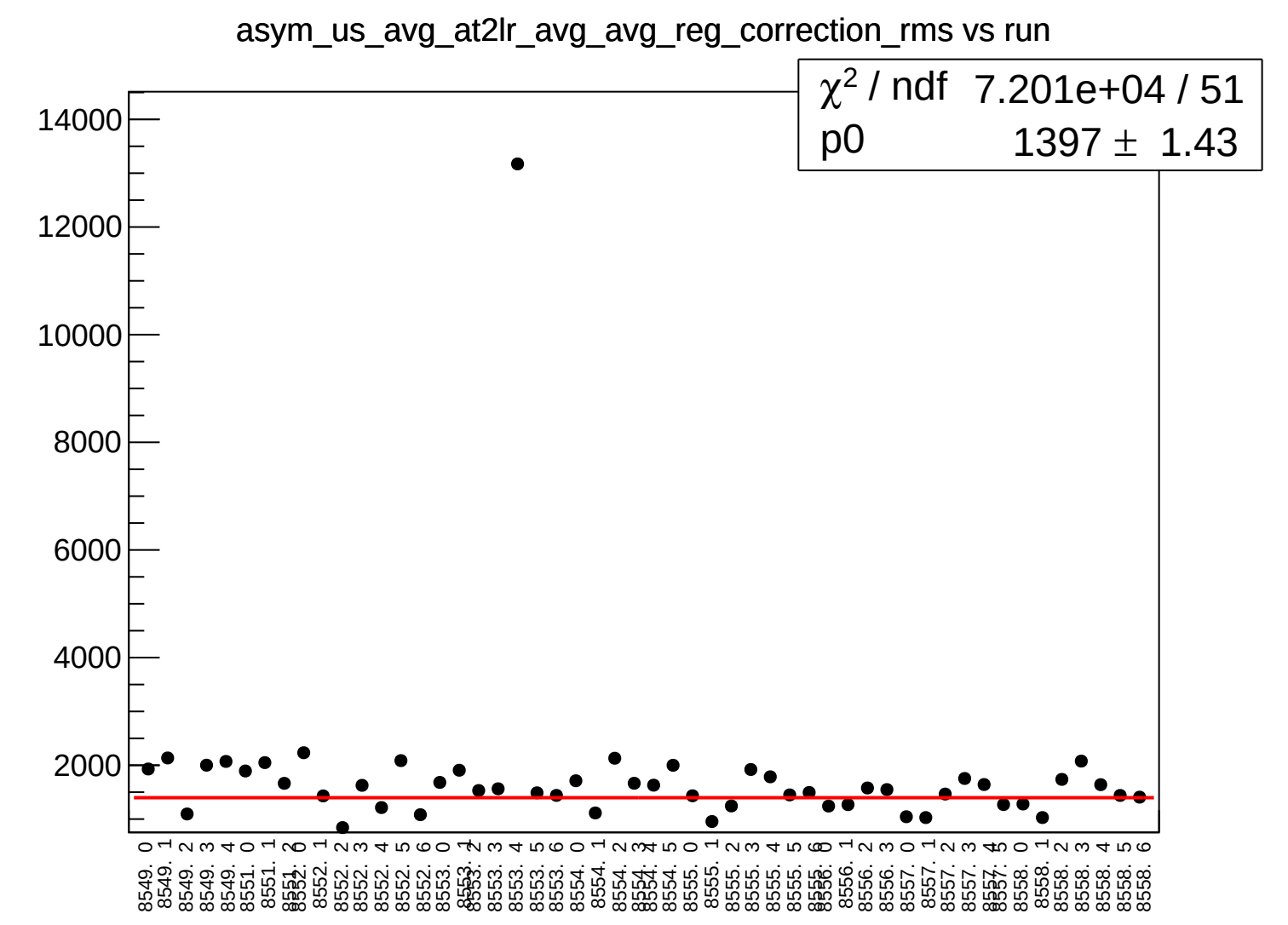

asym_us_avg_at1lr_avg_dd_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 3.872e+05 / 51
p0 1.175e−11 ± 1.469e−14
0.24
0.22
0.2
0.18
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 0
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 1
8553. 2
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 3
8554. 4
8554. 5
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8557. 5
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

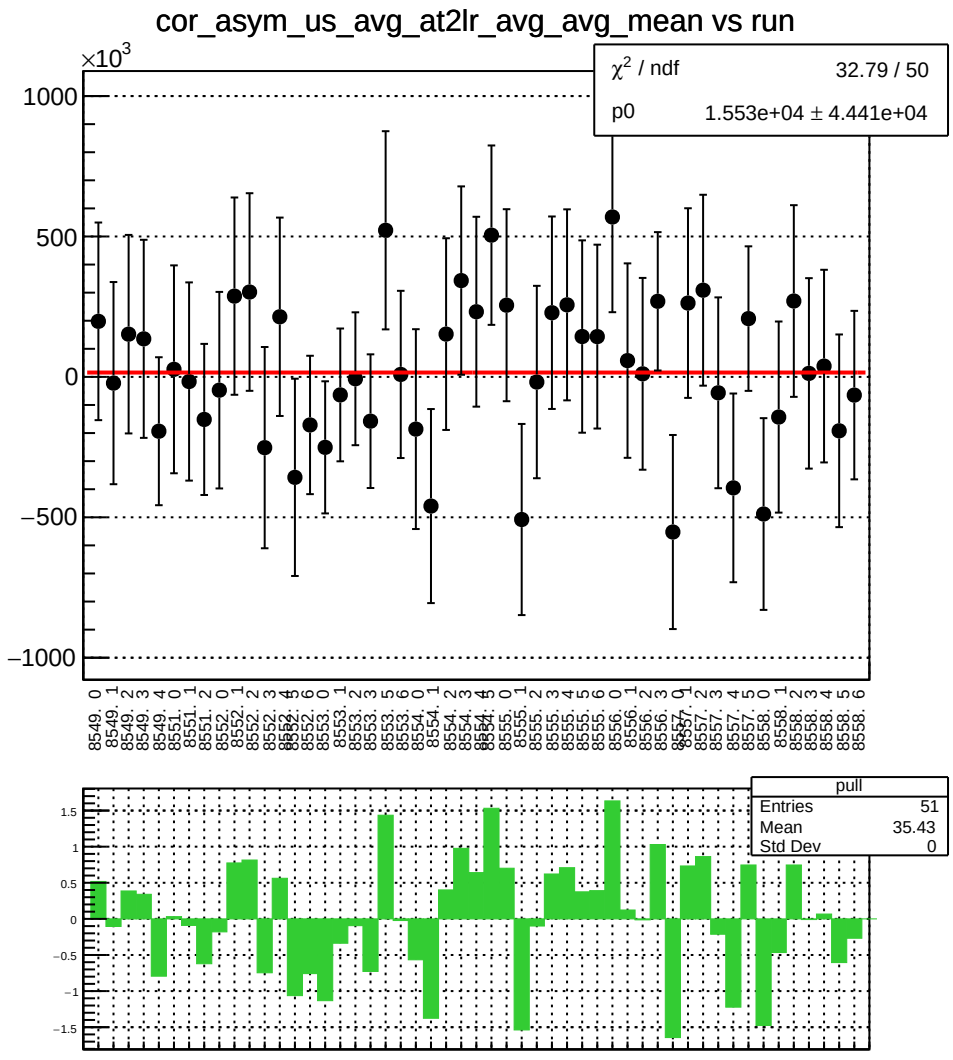

reg_asym_us_avg_at2lr_avg_avg_mean vs run
×10^3
χ² / ndf 32.79 / 50
p0 1.554e+04 ± 4.441e+04
pull
Entries 51
Mean 35.45
Std Dev 0

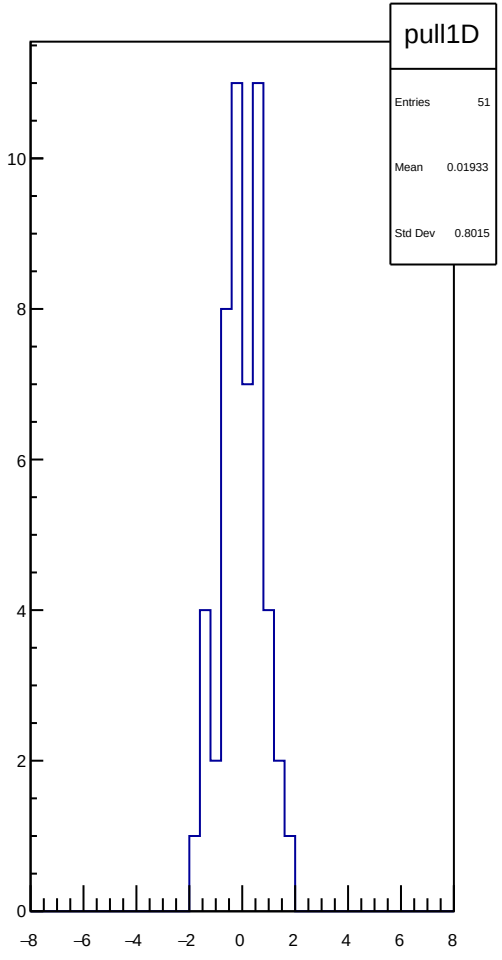

pull1D
Entries 51
Mean 0.01933
Std Dev 0.8016

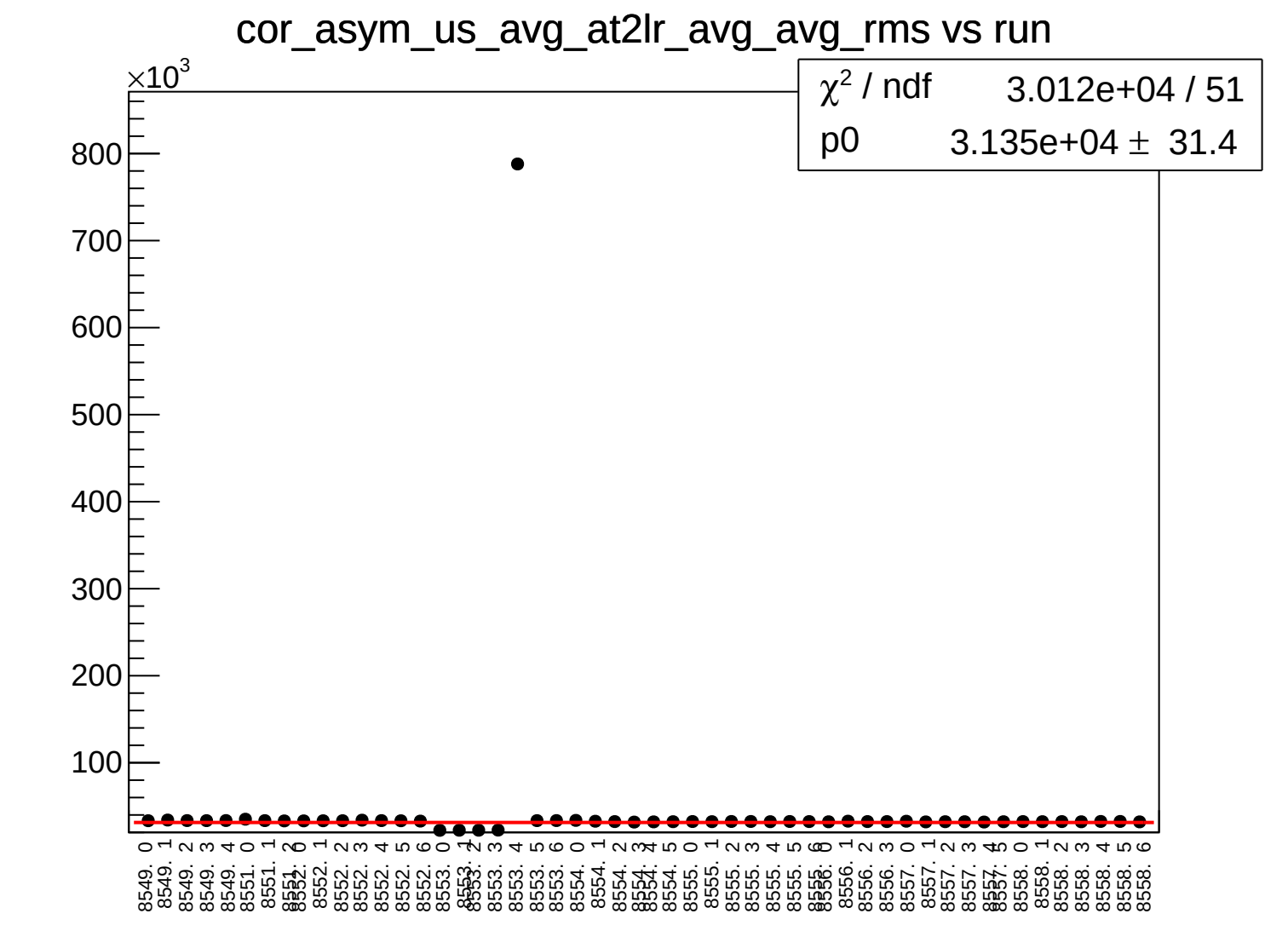

reg_asym_us_avg_at2lr_avg_avg_rms vs run
×10^3
800
700
600
500
400
300
200
100
χ² / ndf 3.012e+04 / 51
p0 3.135e+04 ± 31.4
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 5
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

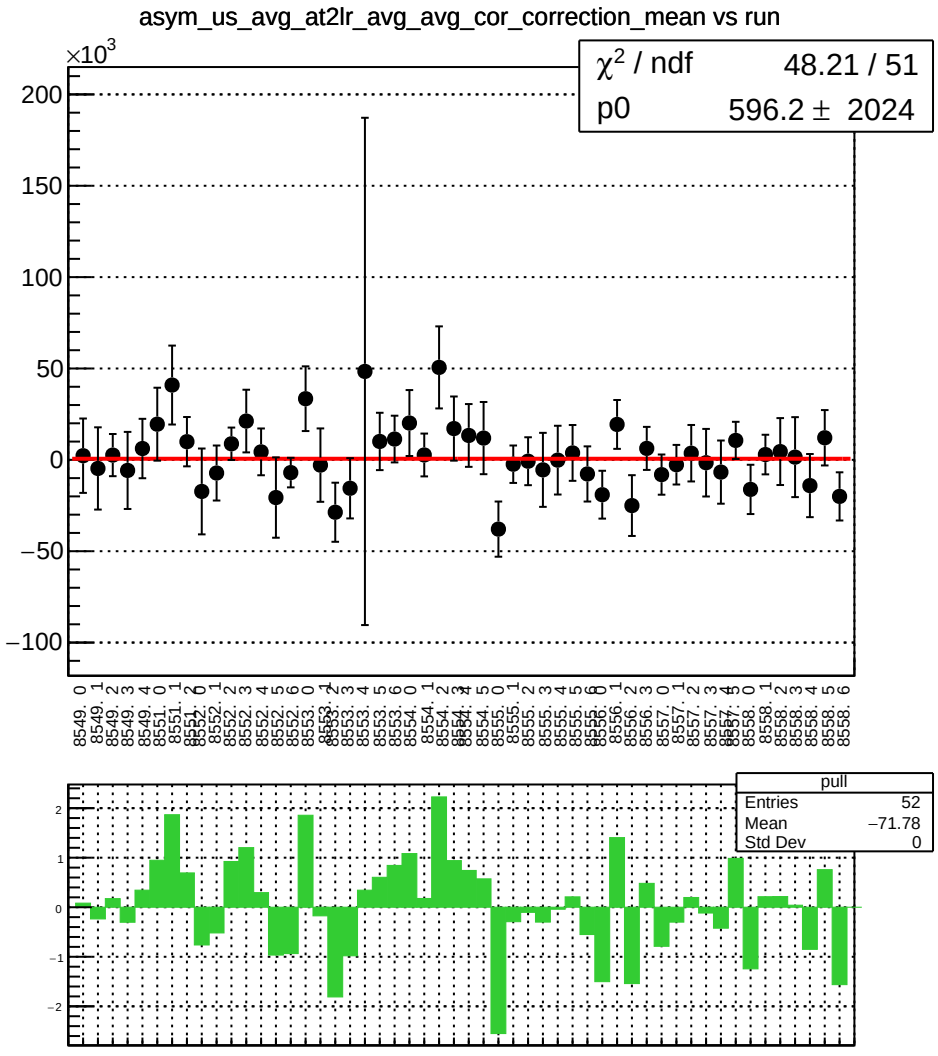

asym_us_avg_at2lr_avg_avg_reg_correction_mean vs run
×10^3
χ² / ndf 48.28 / 51
p0 597.7 ± 2022
pull
Entries 52
Mean −70.66
Std Dev 0
pull1D
Entries 52
Mean 0.03069
Std Dev 0.9631

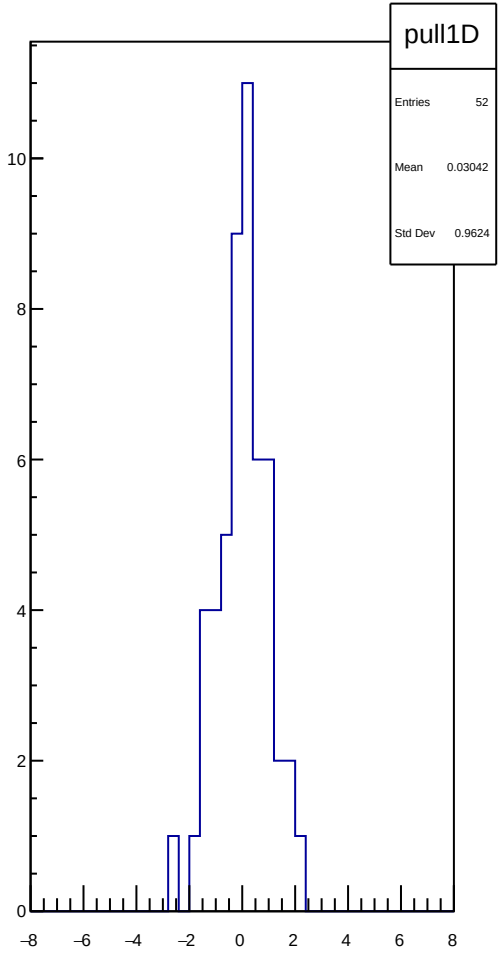

asym_us_avg_at2lr_avg_avg_reg_correction_rms vs run
χ² / ndf 7.201e+04 / 51
p0 1397 ± 1.43
14000
12000
10000
8000
6000
4000
2000
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 0
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 2
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

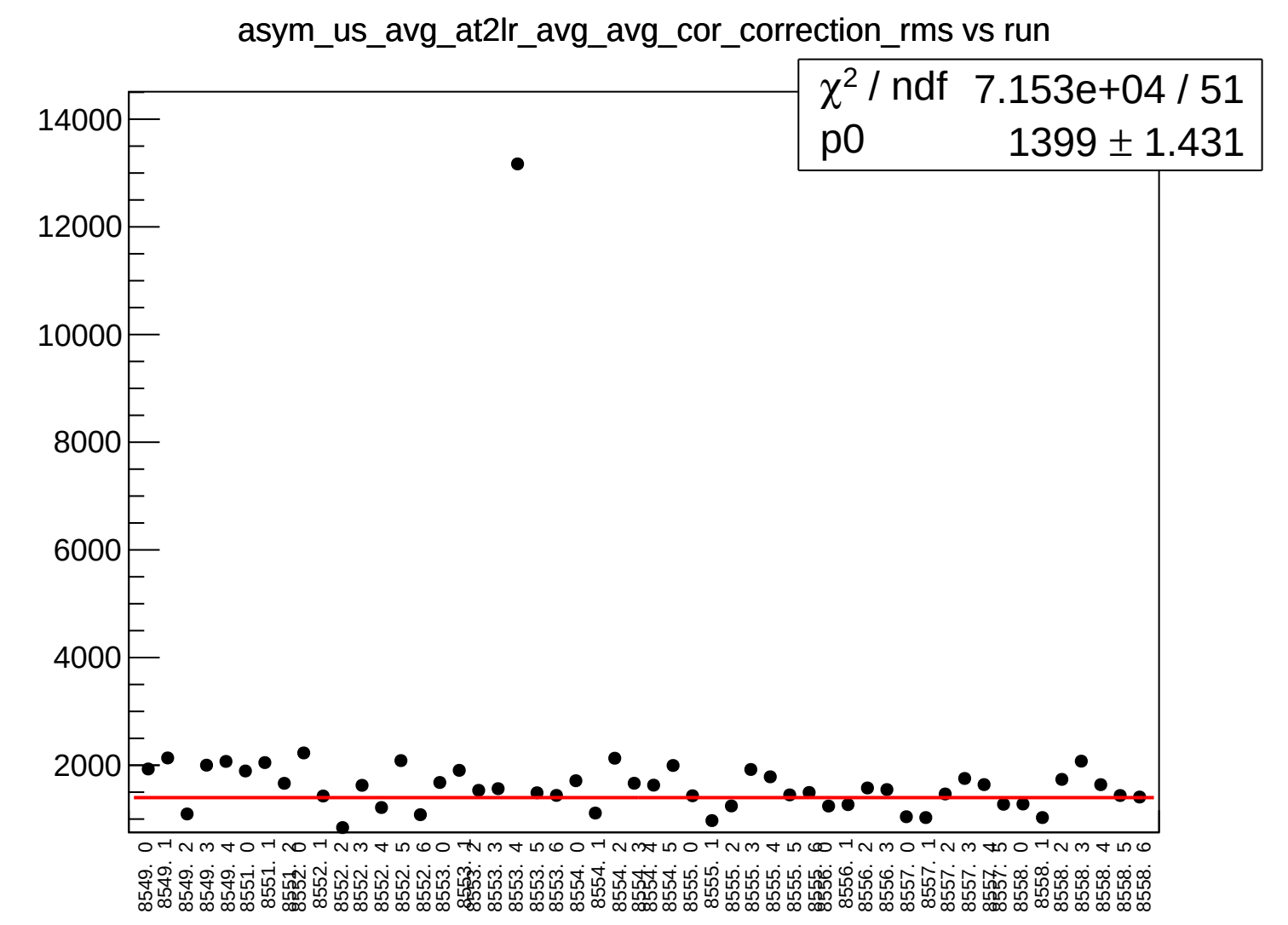

cor_asym_us_avg_at2lr_avg_avg_mean vs run
×10^3
χ² / ndf 32.79 / 50
p0 1.553e+04 ± 4.441e+04
1000
500
0
−500
−1000
pull
Entries 51
Mean 35.43
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5

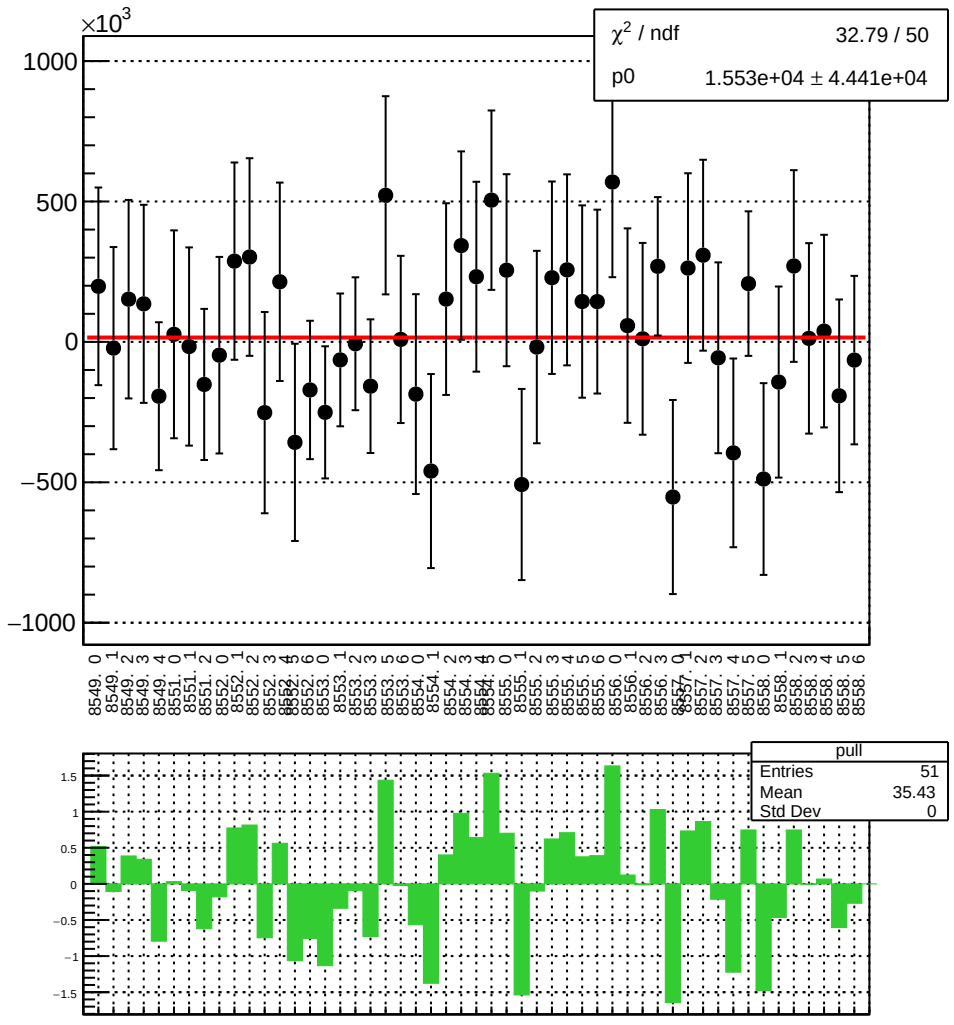

pull1D
Entries 51
Mean 0.01933
Std Dev 0.8015
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

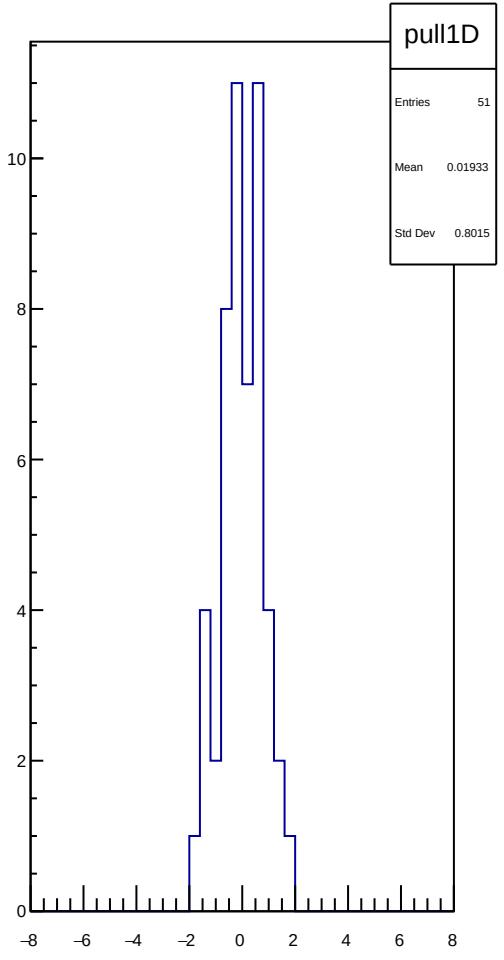

cor_asym_us_avg_at2lr_avg_avg_rms vs run
×10^3
800
700
600
500
400
300
200
100
χ^2 / ndf 3.012e+04 / 51
p0 3.135e+04 ± 31.4
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

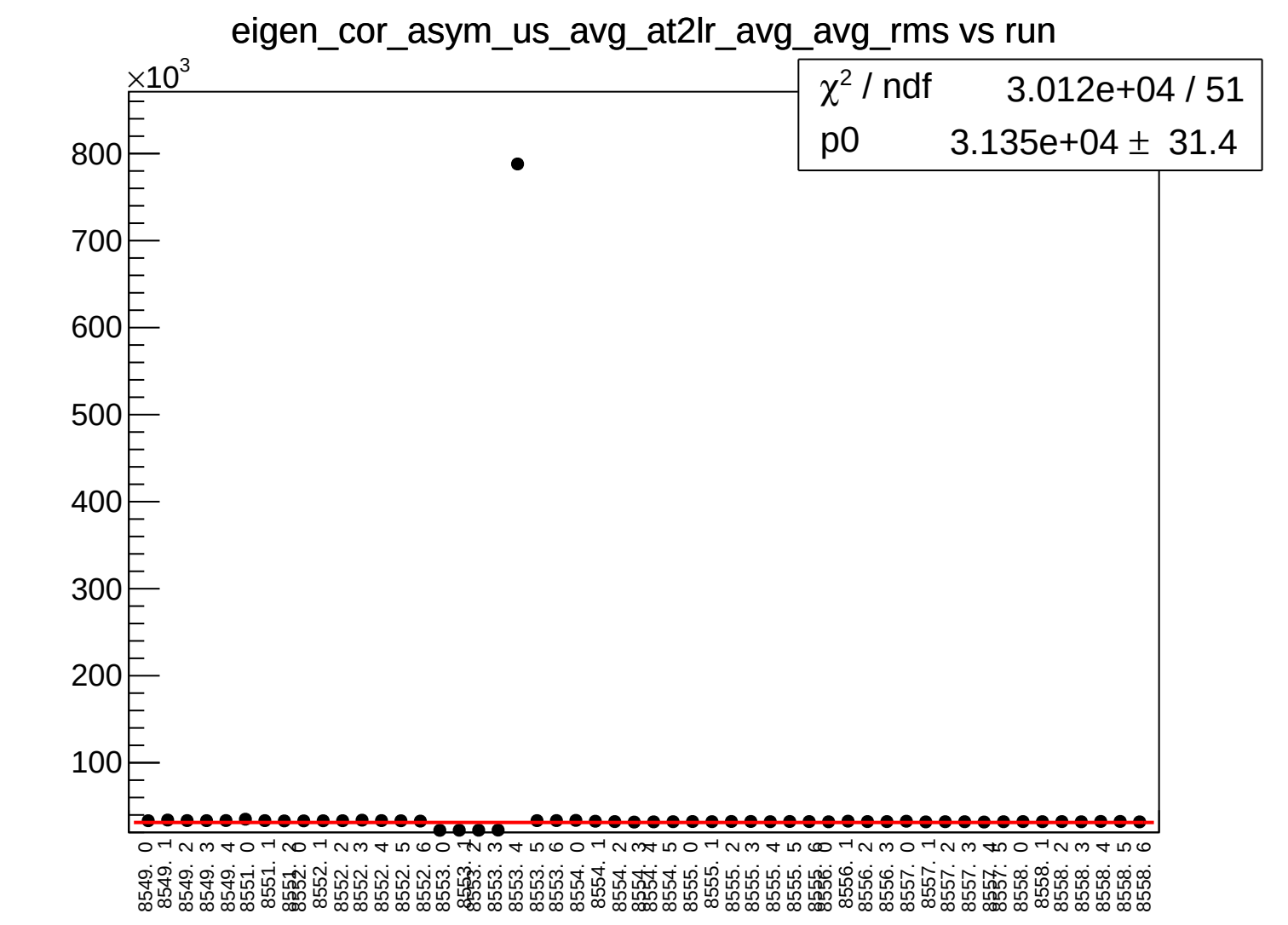

asym_us_avg_at2lr_avg_avg_cor_correction_mean vs run
×10^3
χ² / ndf 48.21 / 51
p0 596.2 ± 2024
pull
Entries 52
Mean −71.78
Std Dev 0


pull1D
Entries 52
Mean 0.03042
Std Dev 0.9624


asym_us_avg_at2lr_avg_avg_cor_correction_rms vs run
χ² / ndf 7.153e+04 / 51
p0 1399 ± 1.431
14000
12000
10000
8000
6000
4000
2000
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 0
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 2
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6


eigen_cor_asym_us_avg_at2lr_avg_avg_mean vs run
×10^3
χ² / ndf 32.79 / 50
p0 1.553e+04 ± 4.441e+04
pull
Entries 51
Mean 35.43
Std Dev 0


pull1D
Entries 51
Mean 0.01933
Std Dev 0.8015


eigen_cor_asym_us_avg_at2lr_avg_avg_rms vs run
×10^3
800
700
600
500
400
300
200
100
χ² / ndf 3.012e+04 / 51
p0 3.135e+04 ± 31.4
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 5
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
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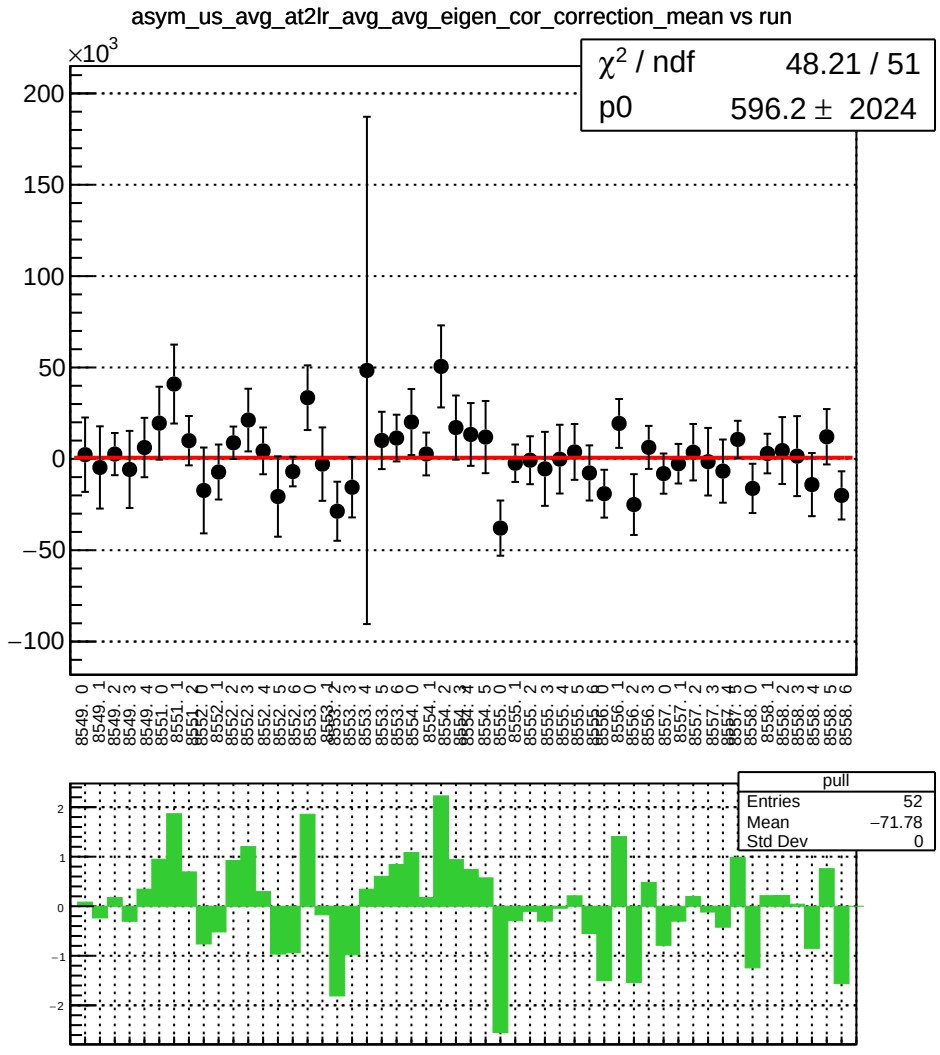
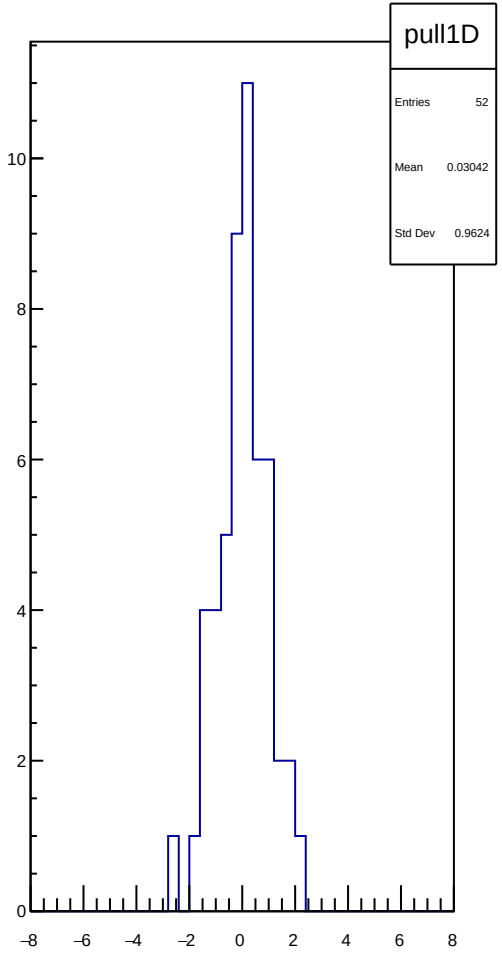
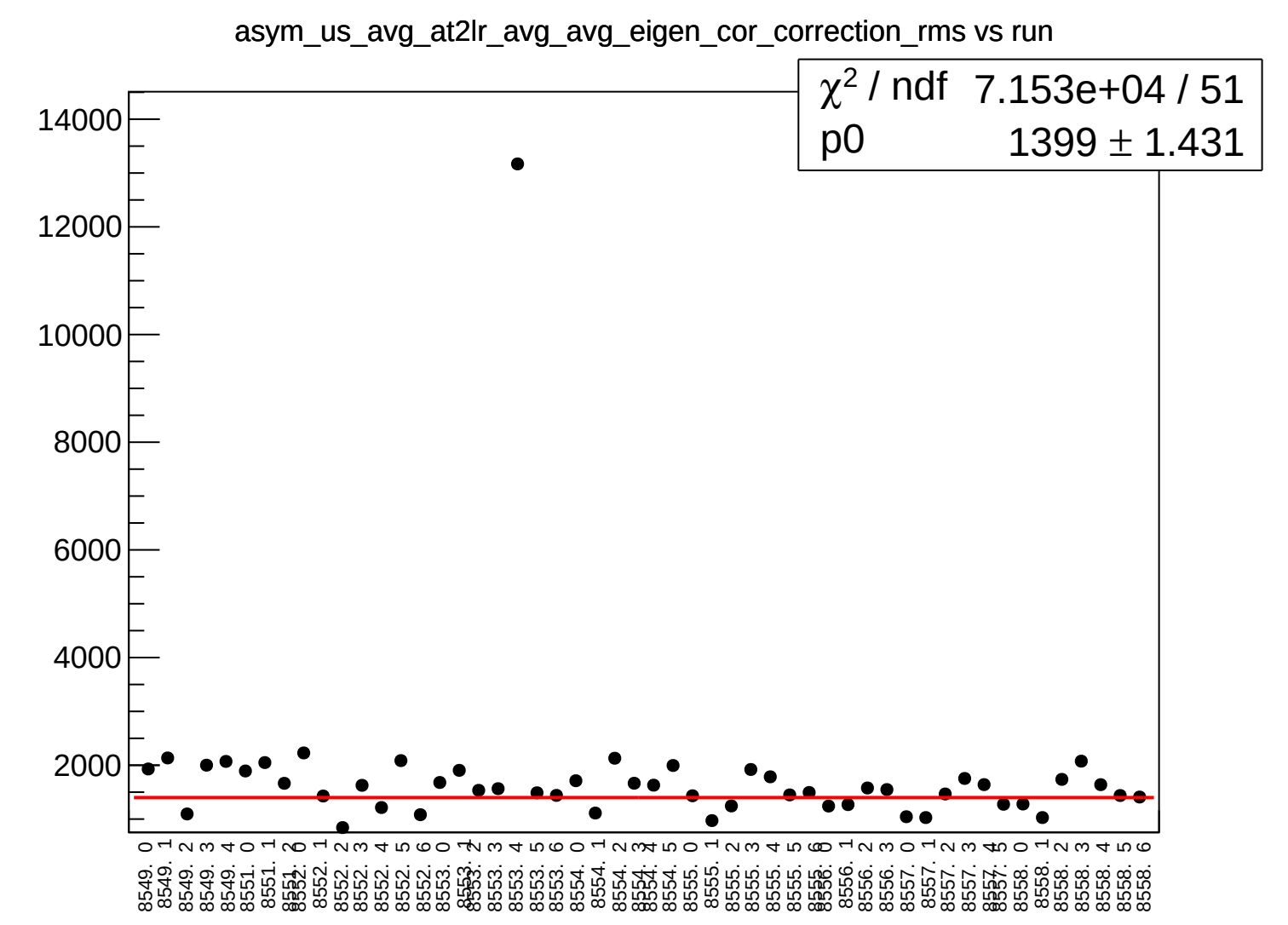
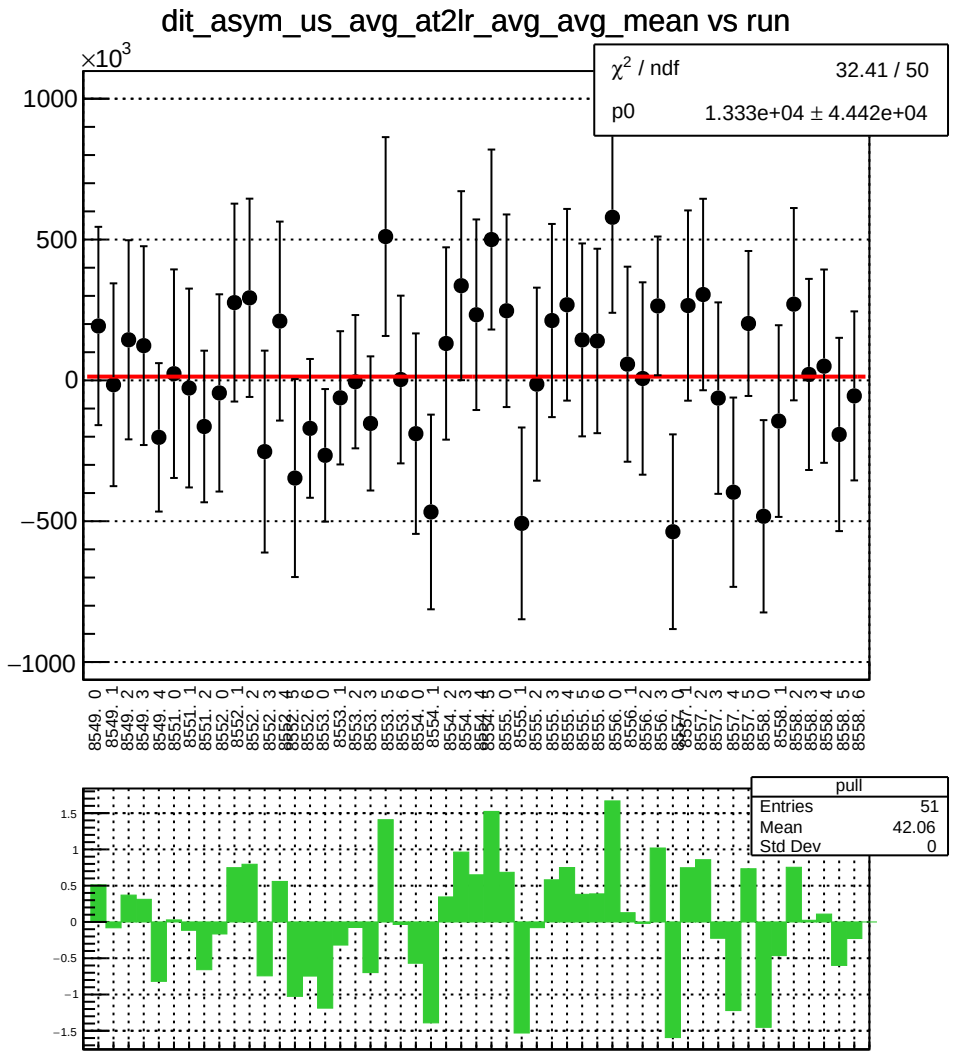
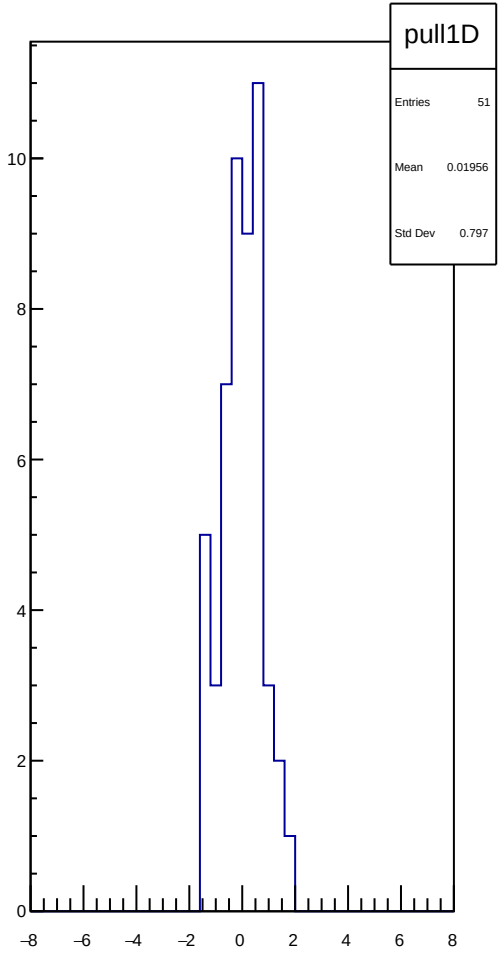
8558. 5
8558. 6

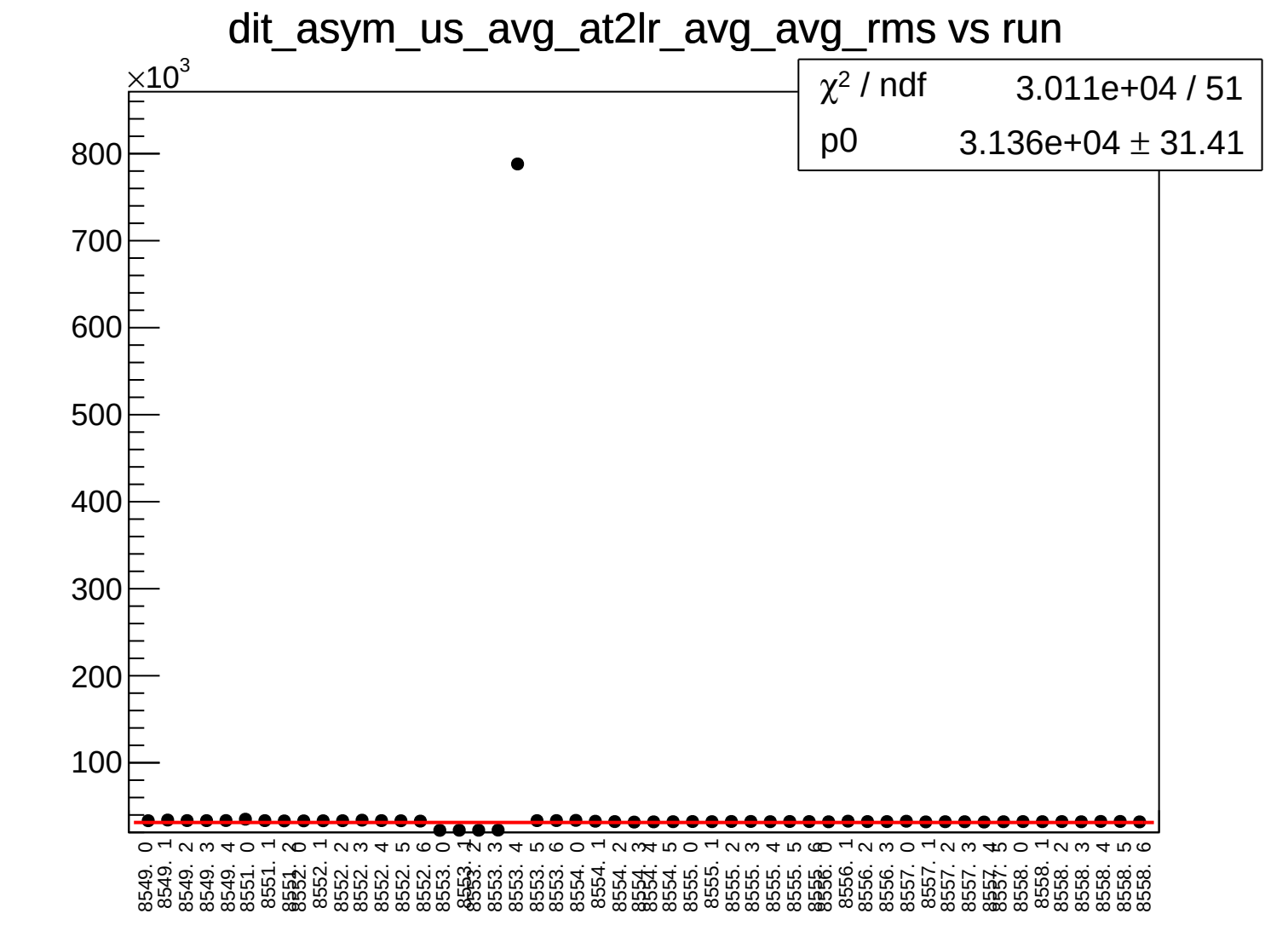

asym_us_avg_at2lr_avg_avg_eigen_cor_correction_mean vs run
×10^3
χ^2 / ndf 48.21 / 51
p0 596.2 ± 2024
pull
Entries 52
Mean −71.78
Std Dev 0

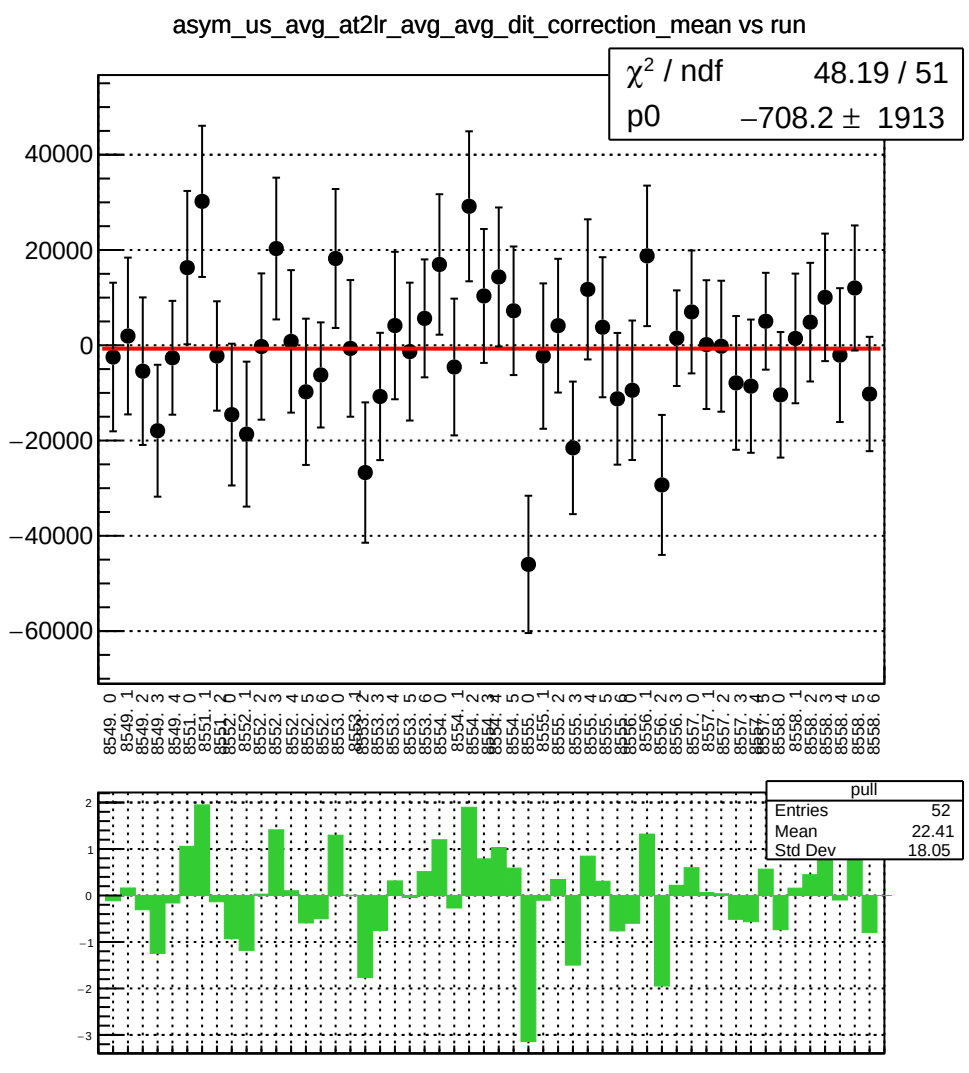

pull1D
Entries 52
Mean 0.03042
Std Dev 0.9624

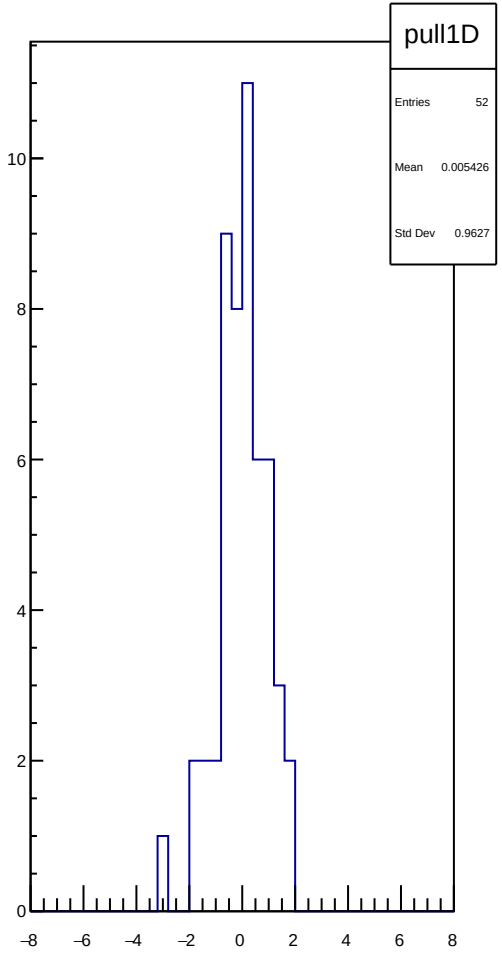

asym_us_avg_at2lr_avg_avg_eigen_cor_correction_rms vs run
χ² / ndf 7.153e+04 / 51
p0 1399 ± 1.431
14000
12000
10000
8000
6000
4000
2000
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 0
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 1
8553. 2
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 5
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

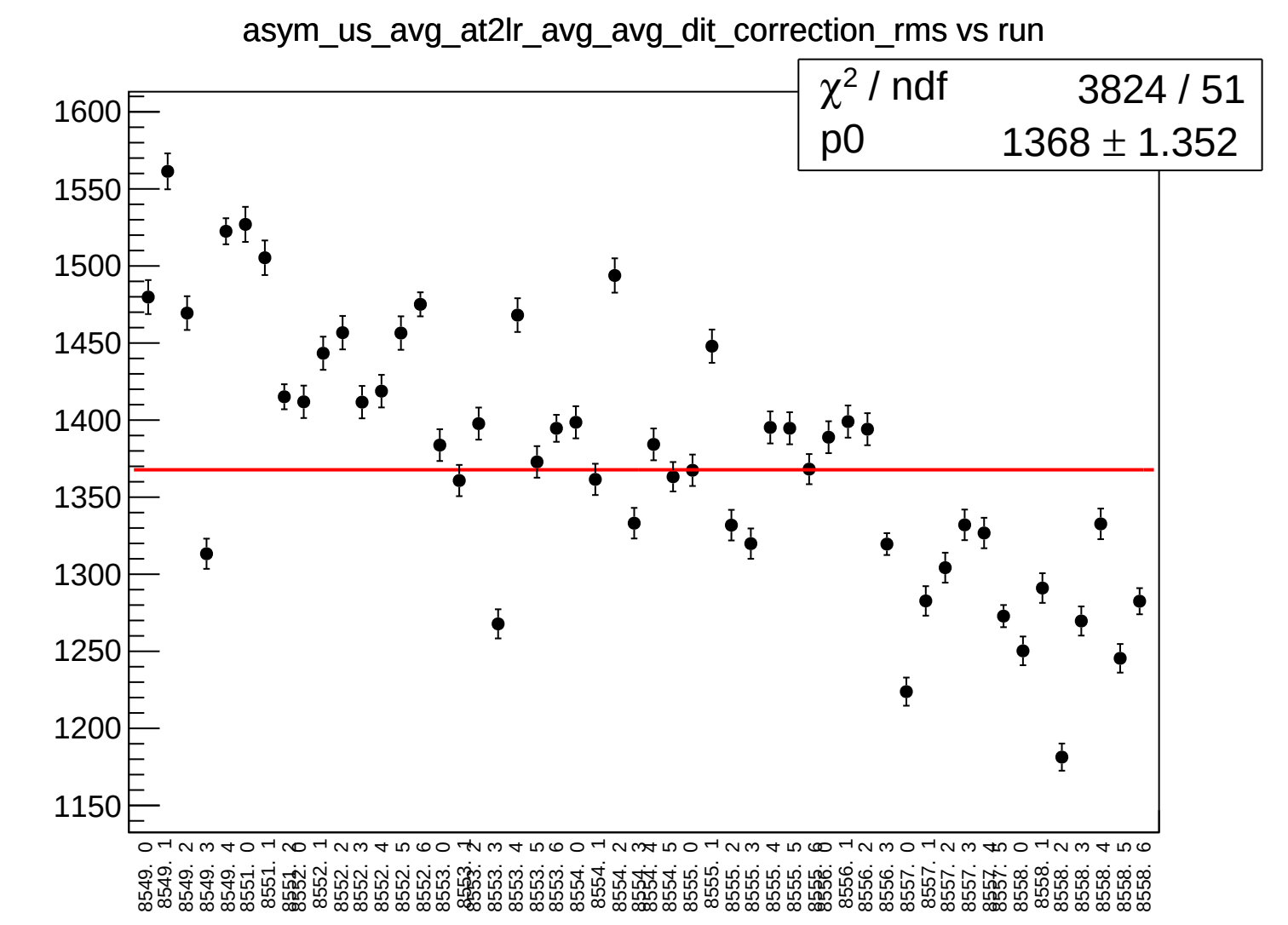

dit_asym_us_avg_at2lr_avg_avg_mean vs run
×10^3
χ² / ndf 32.41 / 50
p0 1.333e+04 ± 4.442e+04
1000
500
0
−500
−1000
pull
Entries 51
Mean 42.06
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5


pull1D
Entries 51
Mean 0.01956
Std Dev 0.797
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


dit_asym_us_avg_at2lr_avg_avg_rms vs run
×10^3
800
700
600
500
400
300
200
100
χ² / ndf 3.011e+04 / 51
p0 3.136e+04 ± 31.41
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 5
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6


asym_us_avg_at2lr_avg_avg_dit_correction_mean vs run
χ² / ndf 48.19 / 51
p0 −708.2 ± 1913
40000
20000
0
−20000
−40000
−60000
pull
Entries 52
Mean 22.41
Std Dev 18.05
2
1
0
−1
−2
−3


pull1D
Entries 52
Mean 0.005426
Std Dev 0.9627
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


asym_us_avg_at2lr_avg_avg_dit_correction_rms vs run
χ² / ndf 3824 / 51
p0 1368 ± 1.352
1600
1550
1500
1450
1400
1350
1300
1250
1200
1150
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8555. 0
8555. 1
8555. 2
8555. 3
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8556. 1
8556. 2
8556. 3
8557. 0
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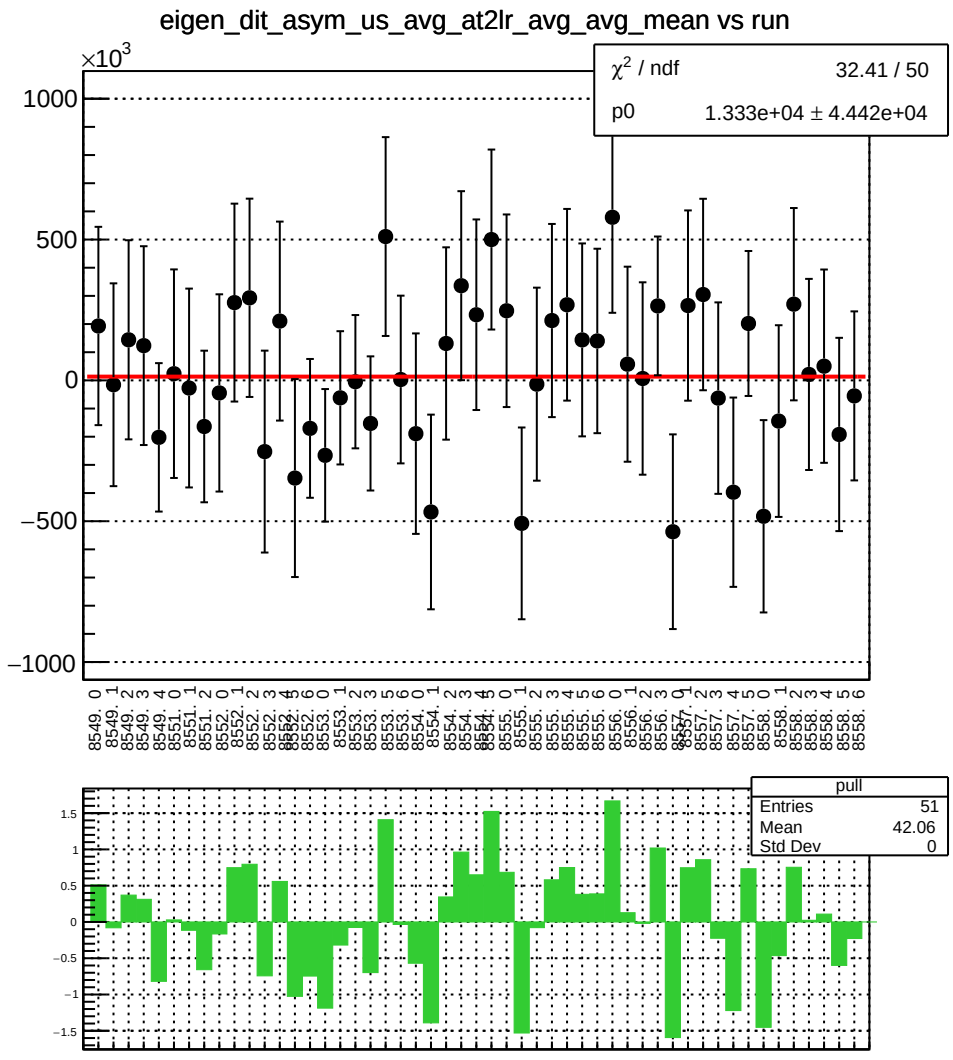
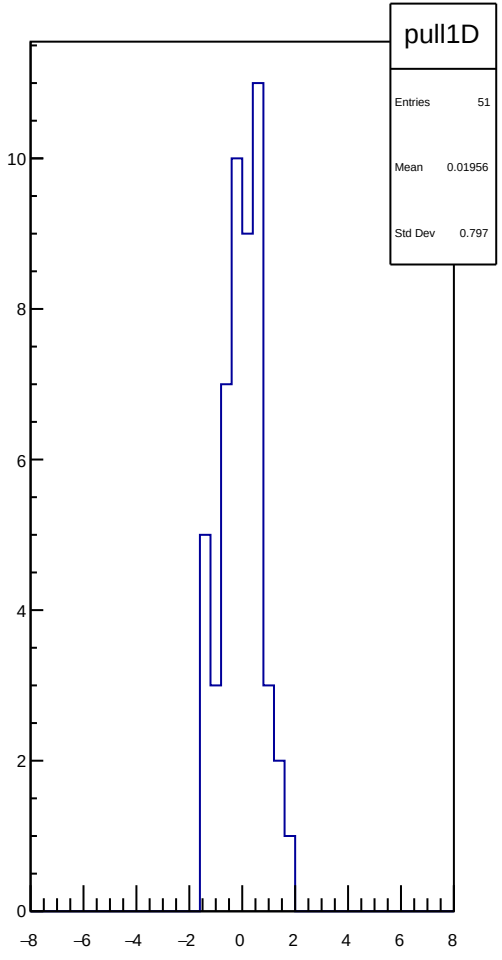
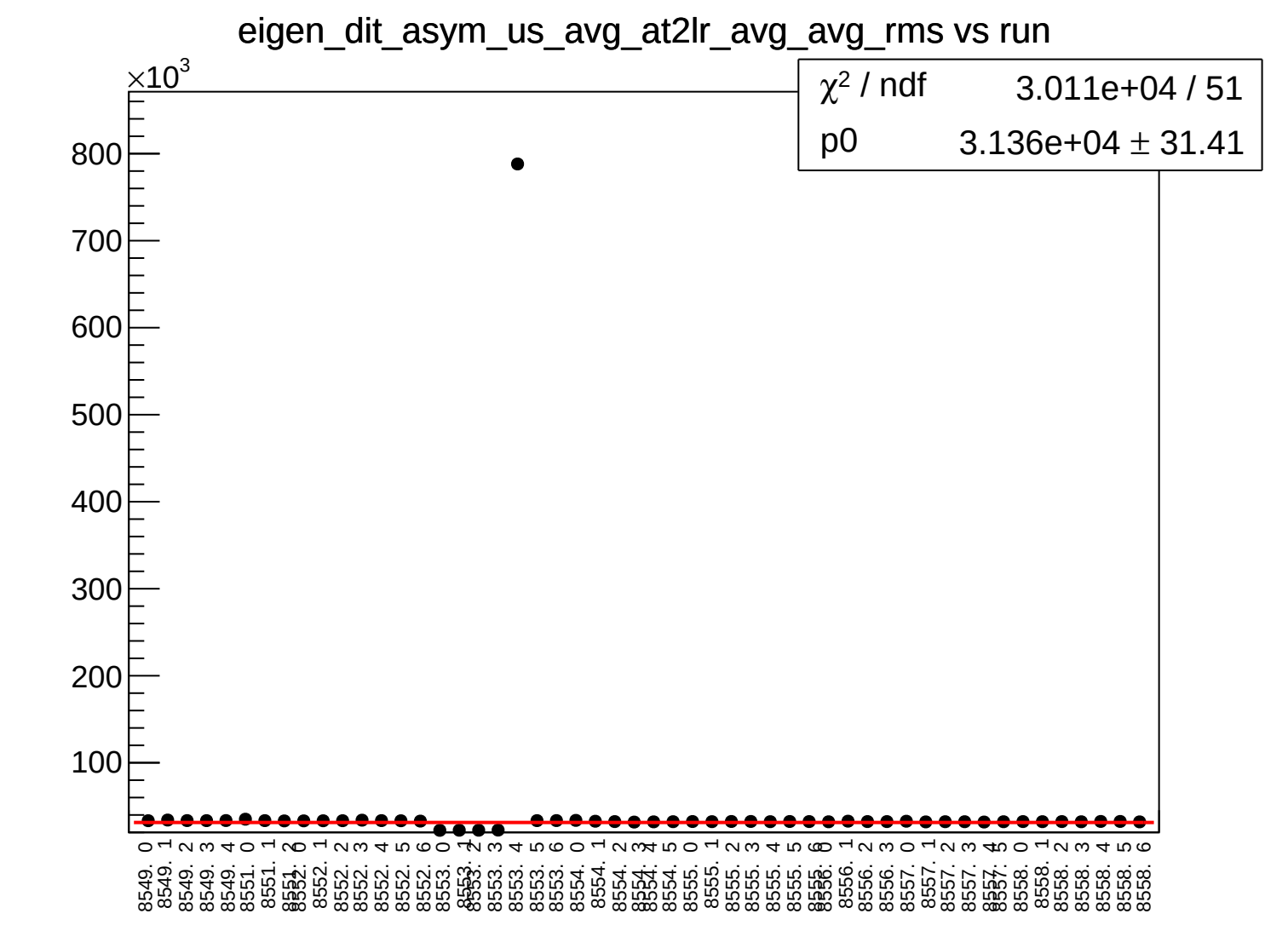
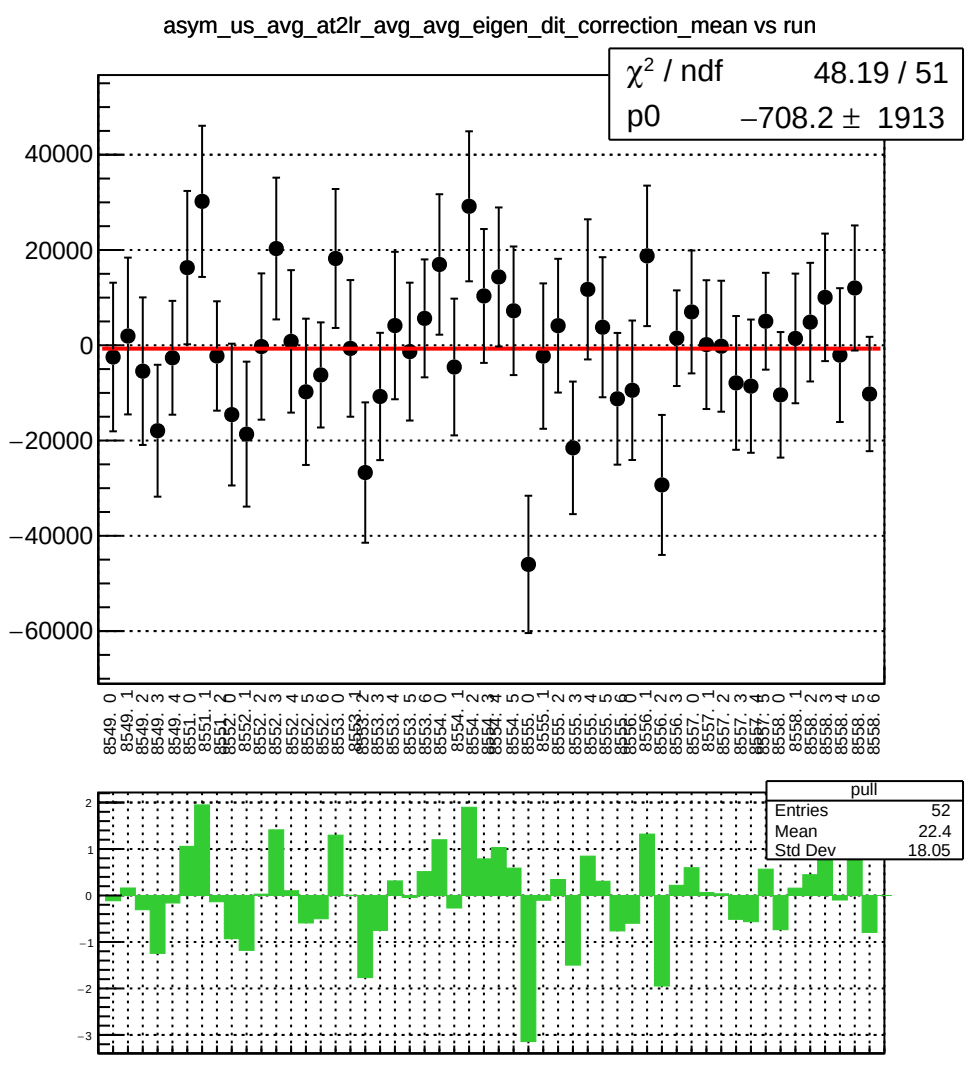
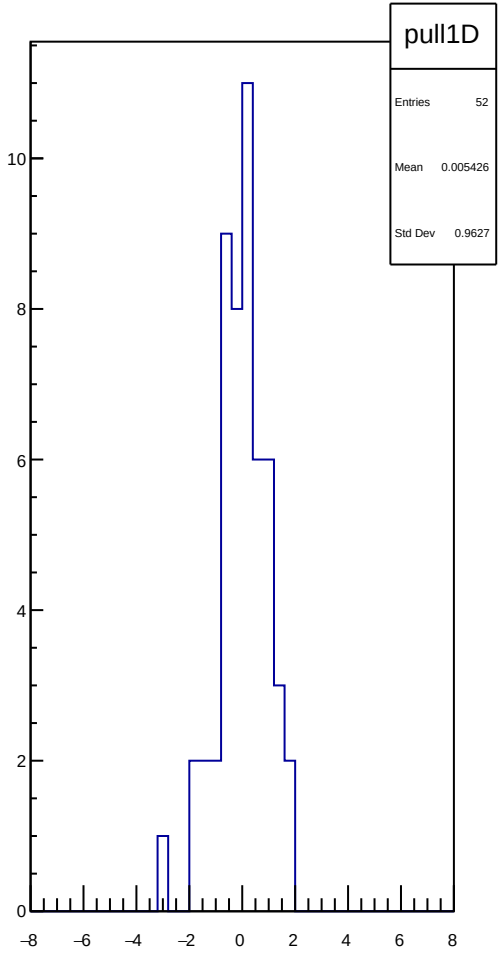
8558. 5
8558. 6

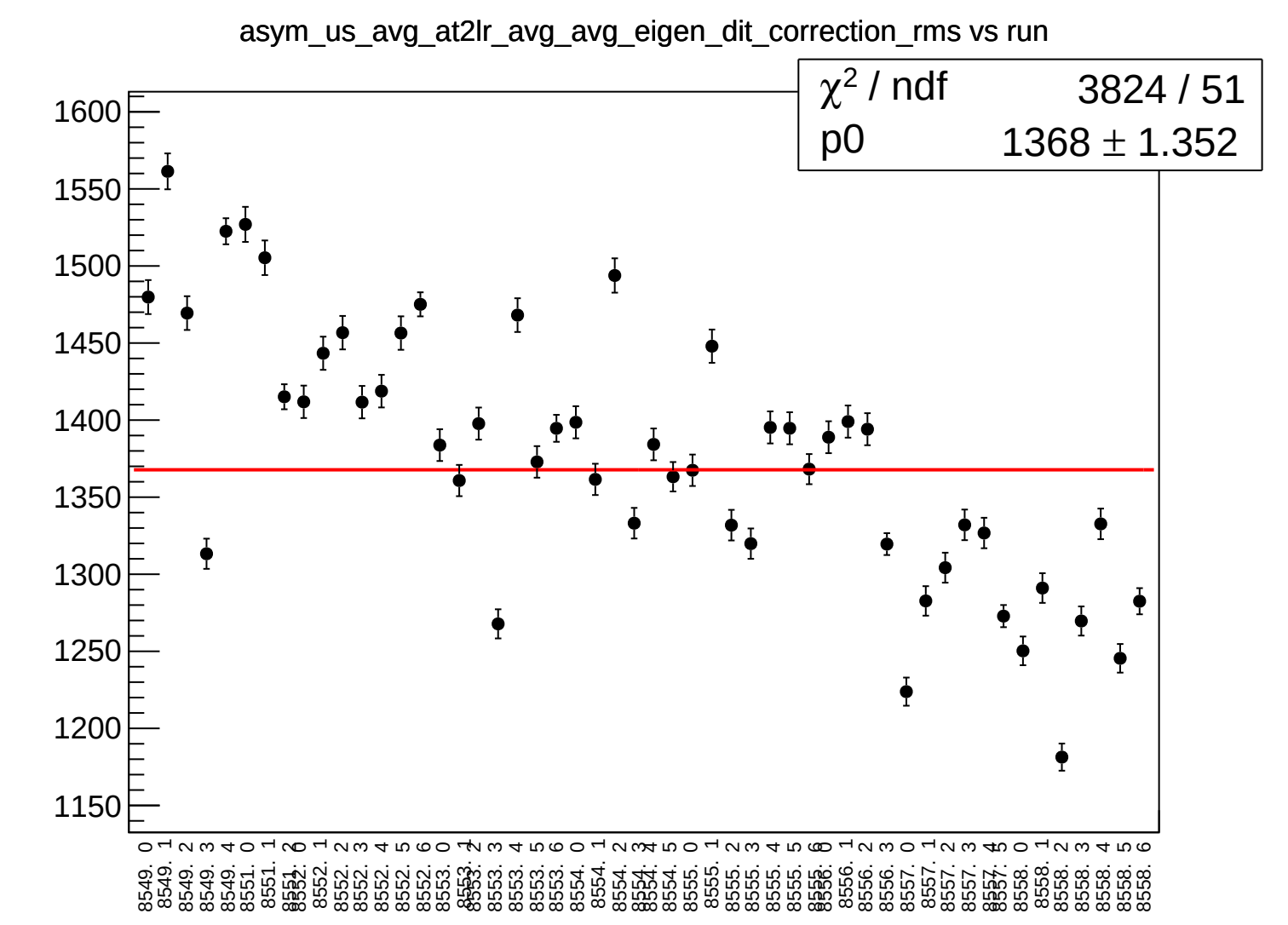

eigen_dit_asym_us_avg_at2lr_avg_avg_mean vs run
×10^3
χ² / ndf 32.41 / 50
p0 1.333e+04 ± 4.442e+04
1000
500
0
−500
−1000
pull
Entries 51
Mean 42.06
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5

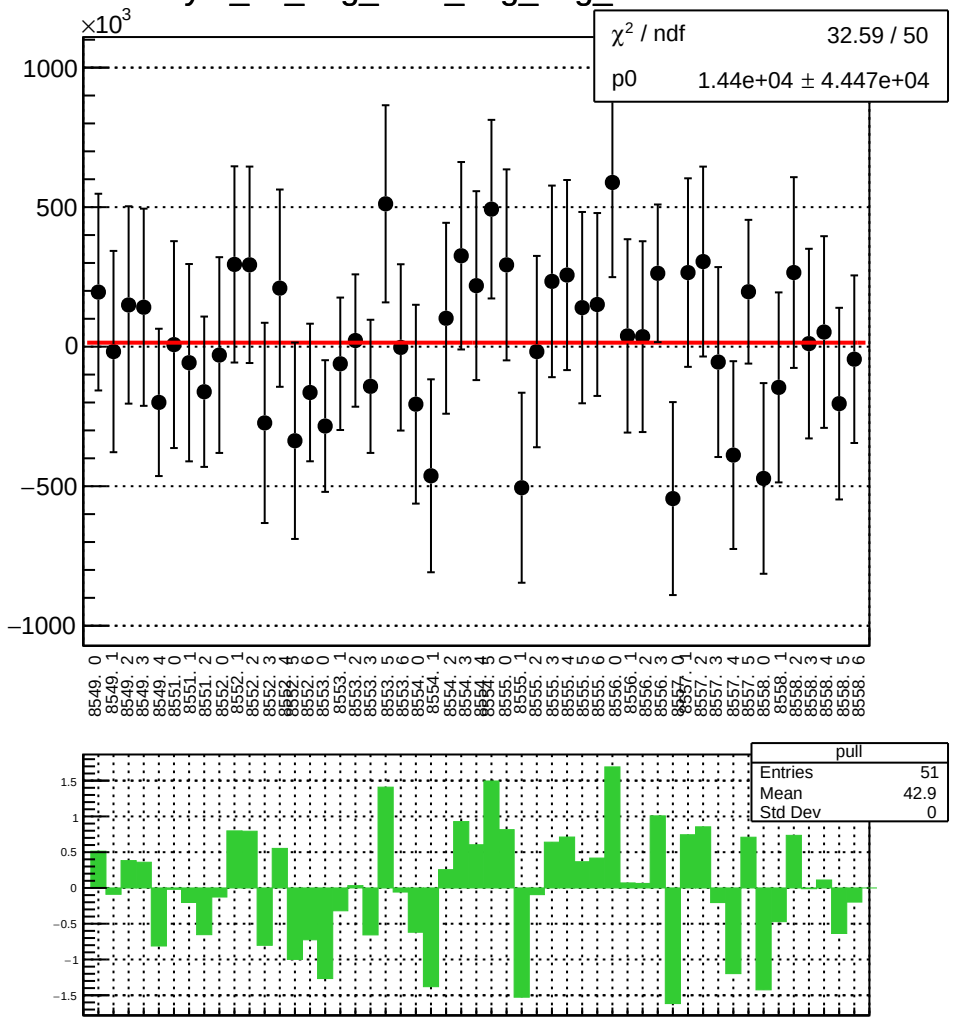

pull1D
Entries 51
Mean 0.01956
Std Dev 0.797
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

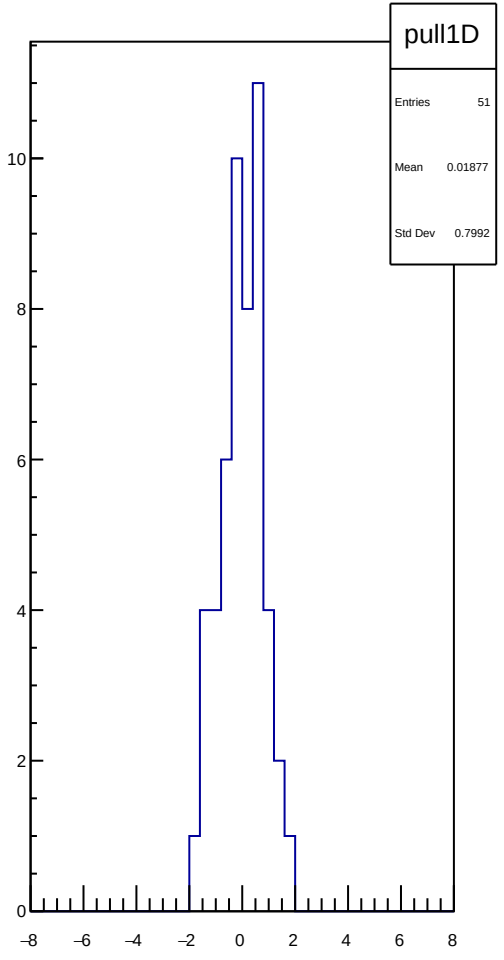

eigen_dit_asym_us_avg_at2lr_avg_avg_rms vs run
χ^2 / ndf 3.011e+04 / 51
p0 3.136e+04 ± 31.41
×10^3
800
700
600
500
400
300
200
100
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 0
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 1
8553. 2
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 5
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

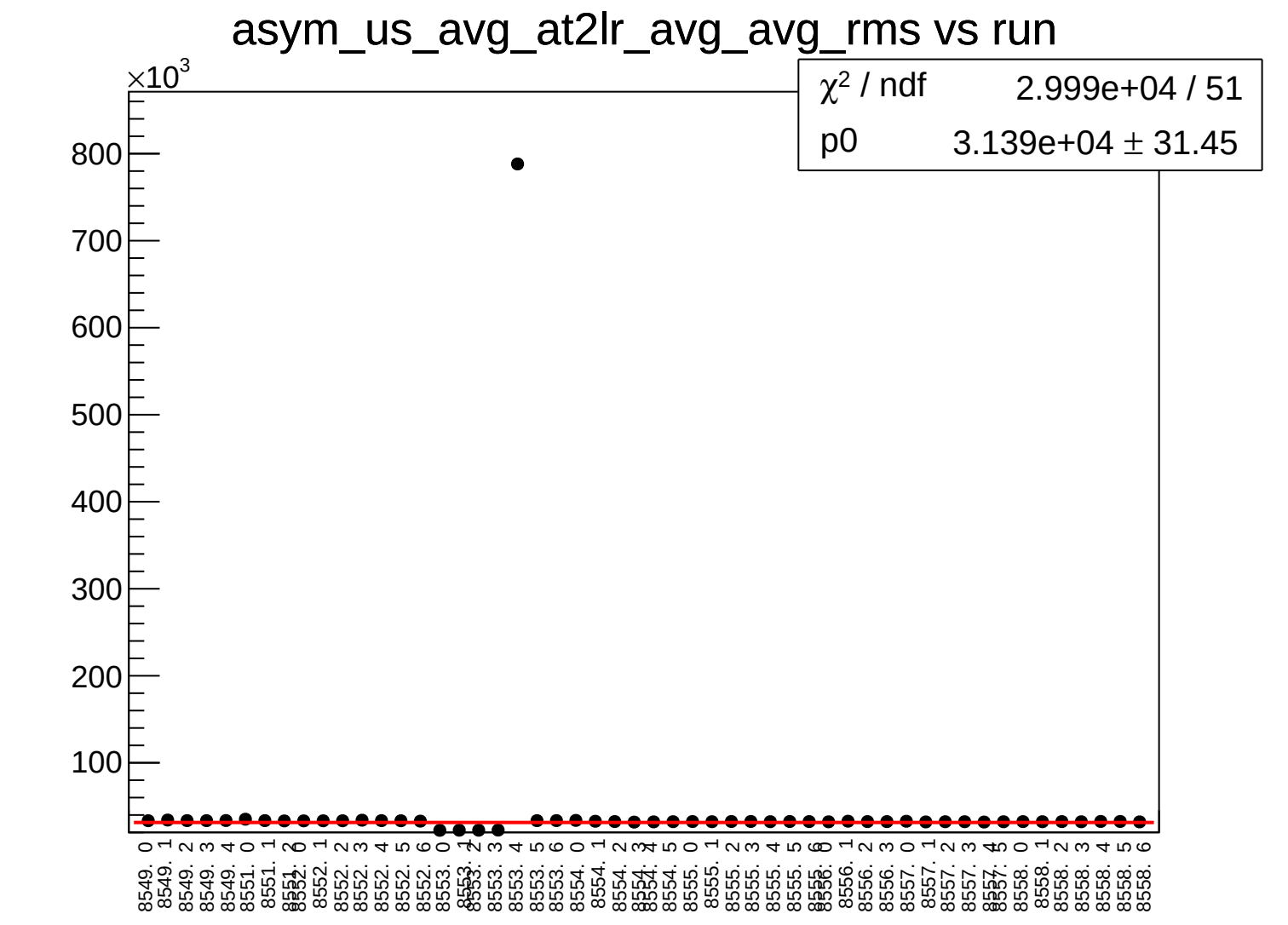

asym_us_avg_at2lr_avg_avg_eigen_dit_correction_mean vs run
χ² / ndf 48.19 / 51
p0 −708.2 ± 1913
40000
20000
0
−20000
−40000
−60000
pull
Entries 52
Mean 22.4
Std Dev 18.05
2
1
0
−1
−2
−3

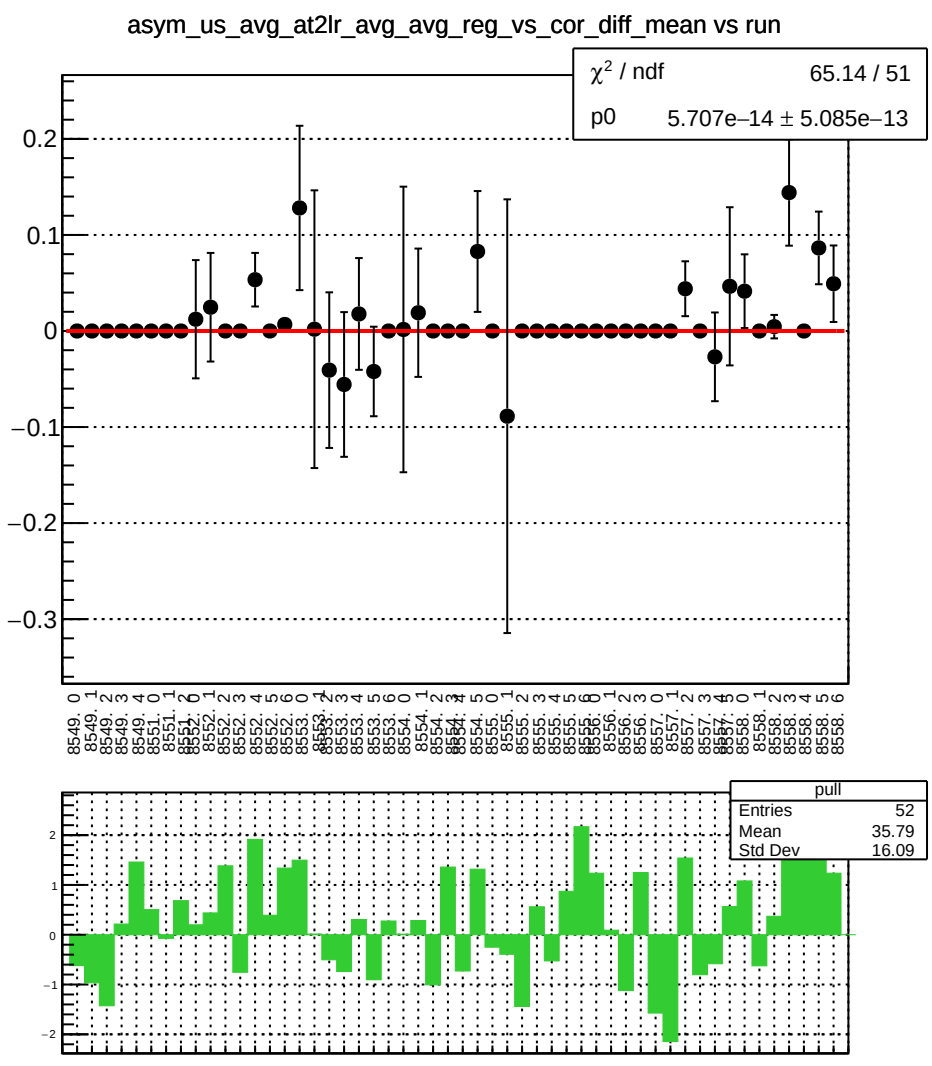

pull1D
Entries 52
Mean 0.005426
Std Dev 0.9627
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

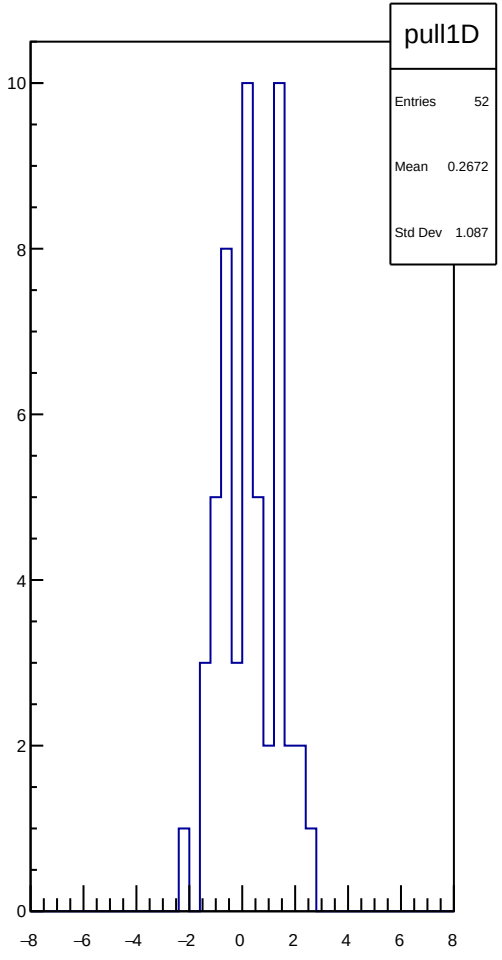

asym_us_avg_at2lr_avg_avg_eigen_dit_correction_rms vs run
χ² / ndf 3824 / 51
p0 1368 ± 1.352
1600
1550
1500
1450
1400
1350
1300
1250
1200
1150
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

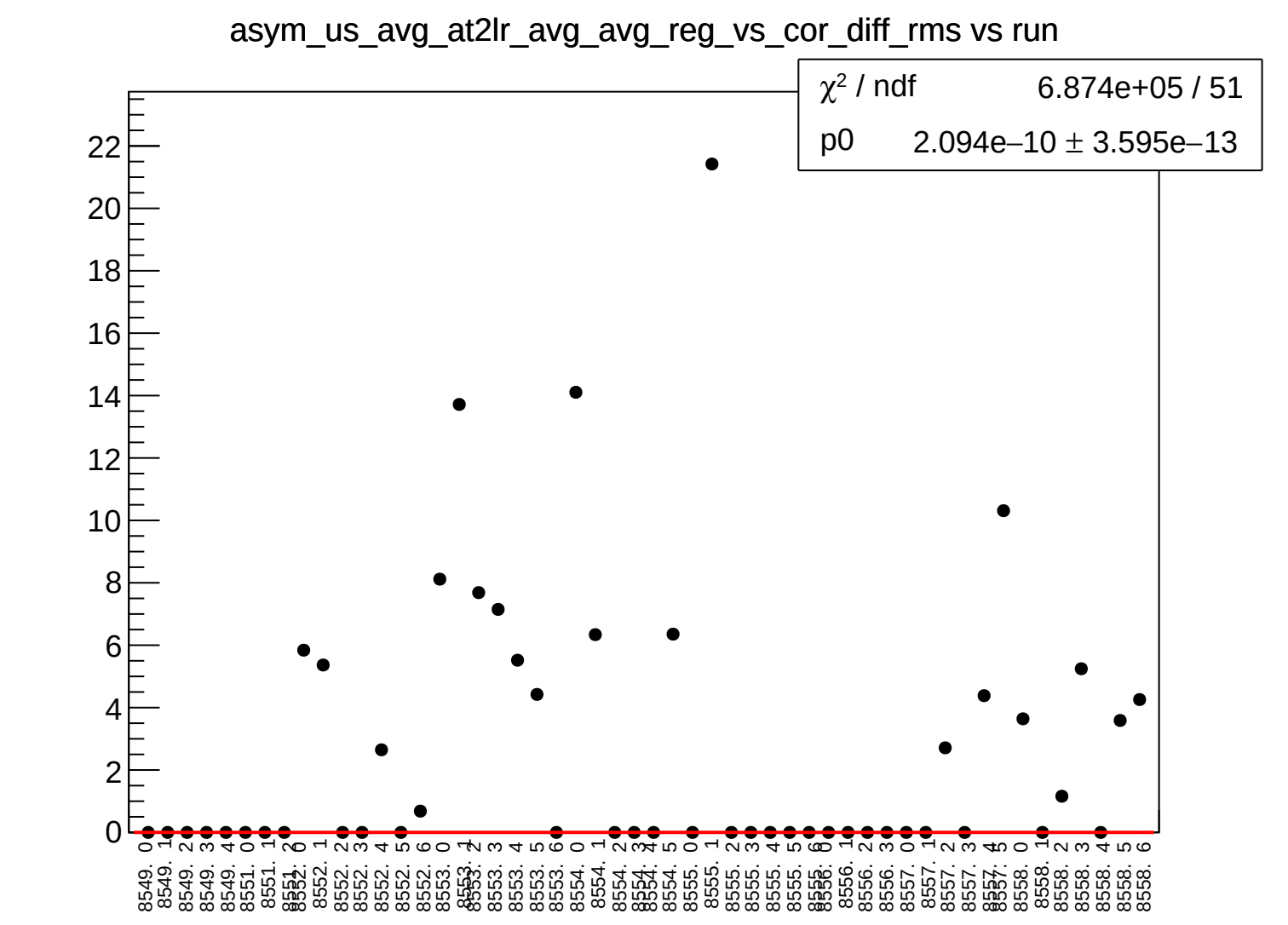

asym_us_avg_at2lr_avg_avg_mean vs run
×10^3
χ² / ndf 32.59 / 50
p0 1.44e+04 ± 4.447e+04
1000
500
0
−500
−1000
pull
Entries 51
Mean 42.9
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5

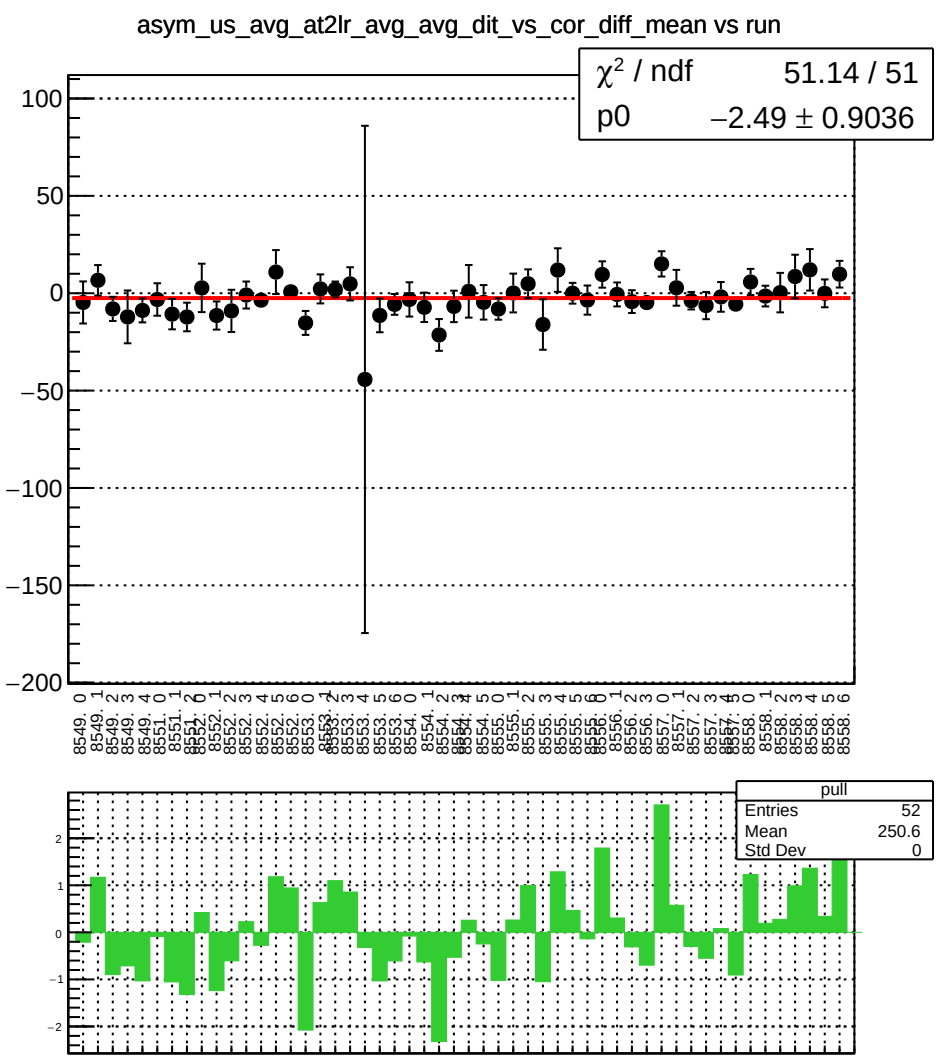

pull1D
Entries 51
Mean 0.01877
Std Dev 0.7992
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

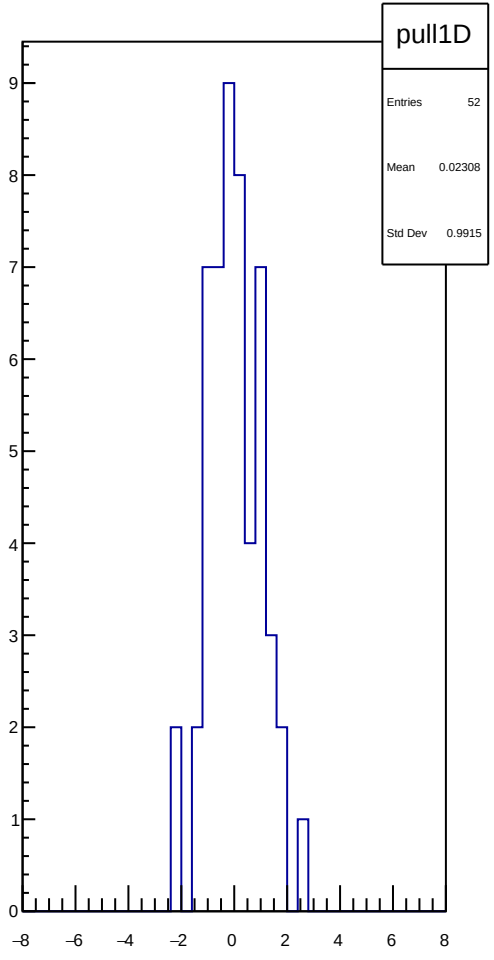

asym_us_avg_at2lr_avg_avg_rms vs run
×10^3
χ² / ndf 2.999e+04 / 51
p0 3.139e+04 ± 31.45
800
700
600
500
400
300
200
100
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 5
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

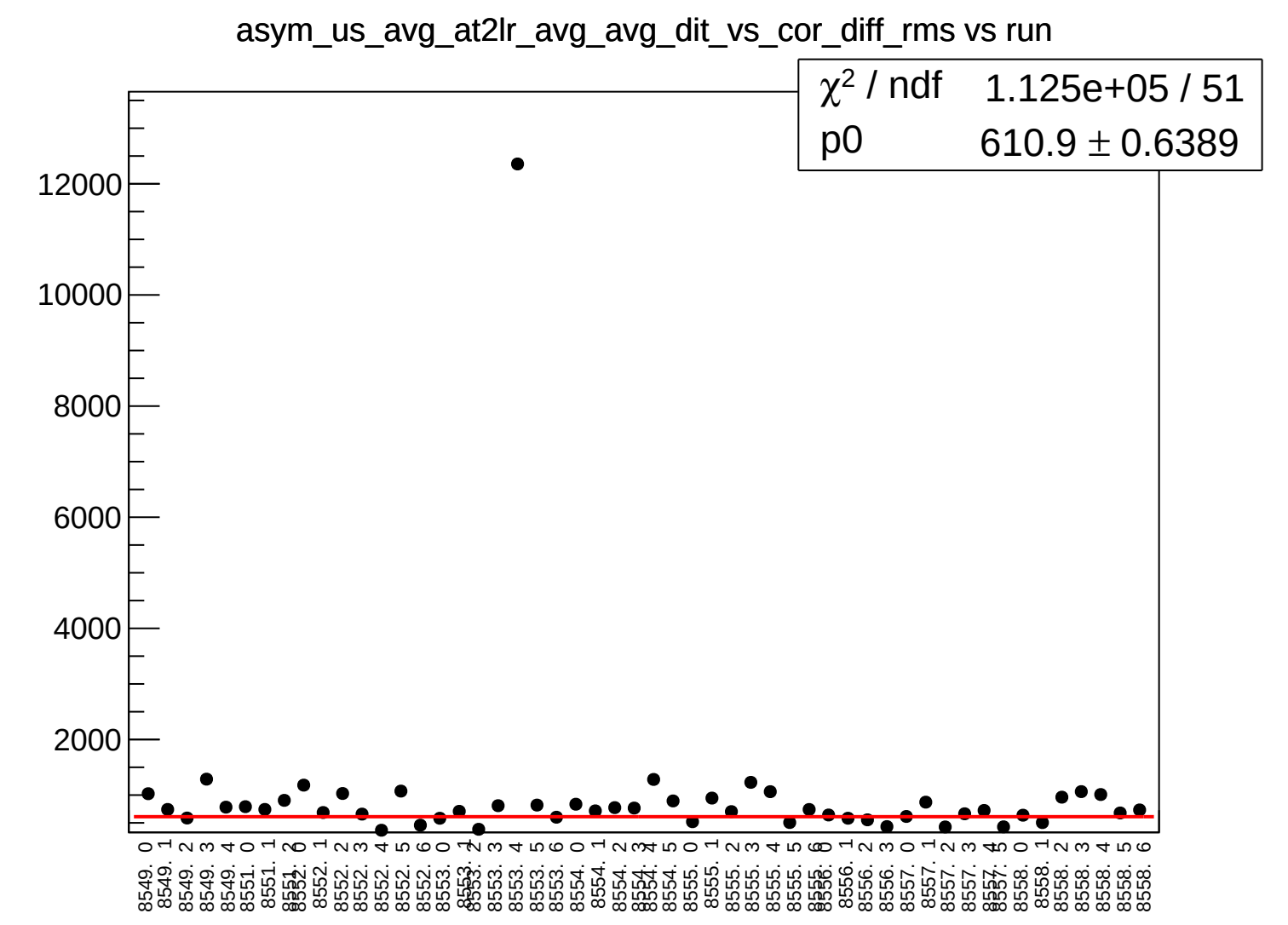

asym_us_avg_at2lr_avg_avg_reg_vs_cor_diff_mean vs run
χ² / ndf 65.14 / 51
p0 5.707e−14 ± 5.085e−13
pull
Entries 52
Mean 35.79
Std Dev 16.09

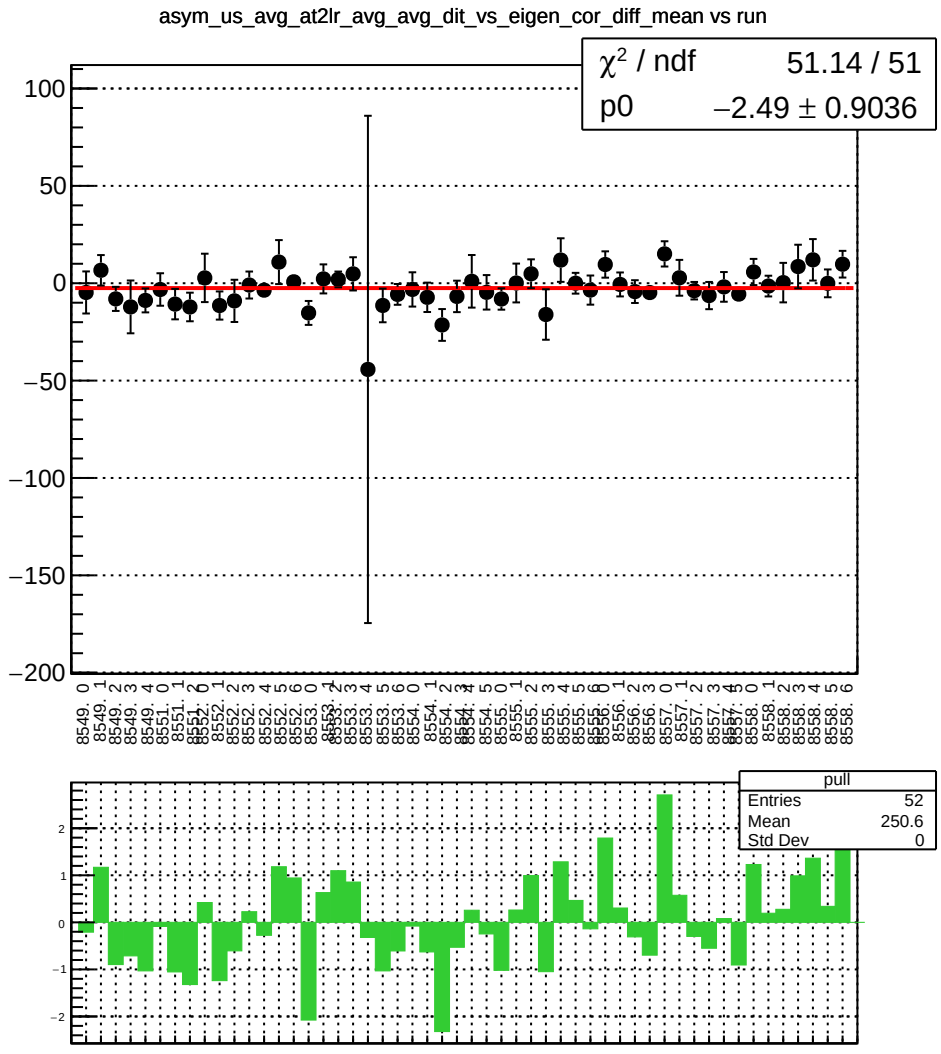

pull1D
Entries 52
Mean 0.2672
Std Dev 1.087

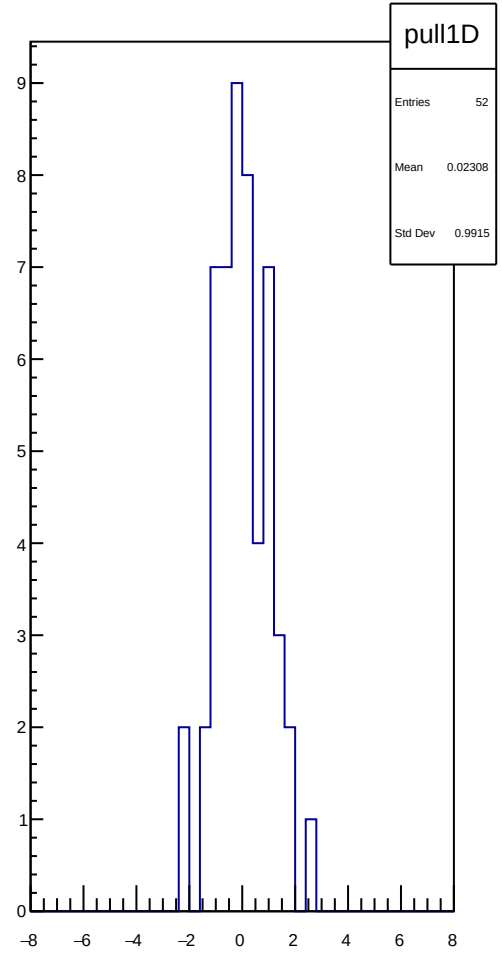

asym_us_avg_at2lr_avg_avg_reg_vs_cor_diff_rms vs run
χ² / ndf 6.874e+05 / 51
p0 2.094e−10 ± 3.595e−13
0
2
4
6
8
10
12
14
16
18
20
22
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 0
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 1
8553. 2
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 3
8554. 4
8554. 5
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8555. 6
8556. 0
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8557. 4
8557. 5
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

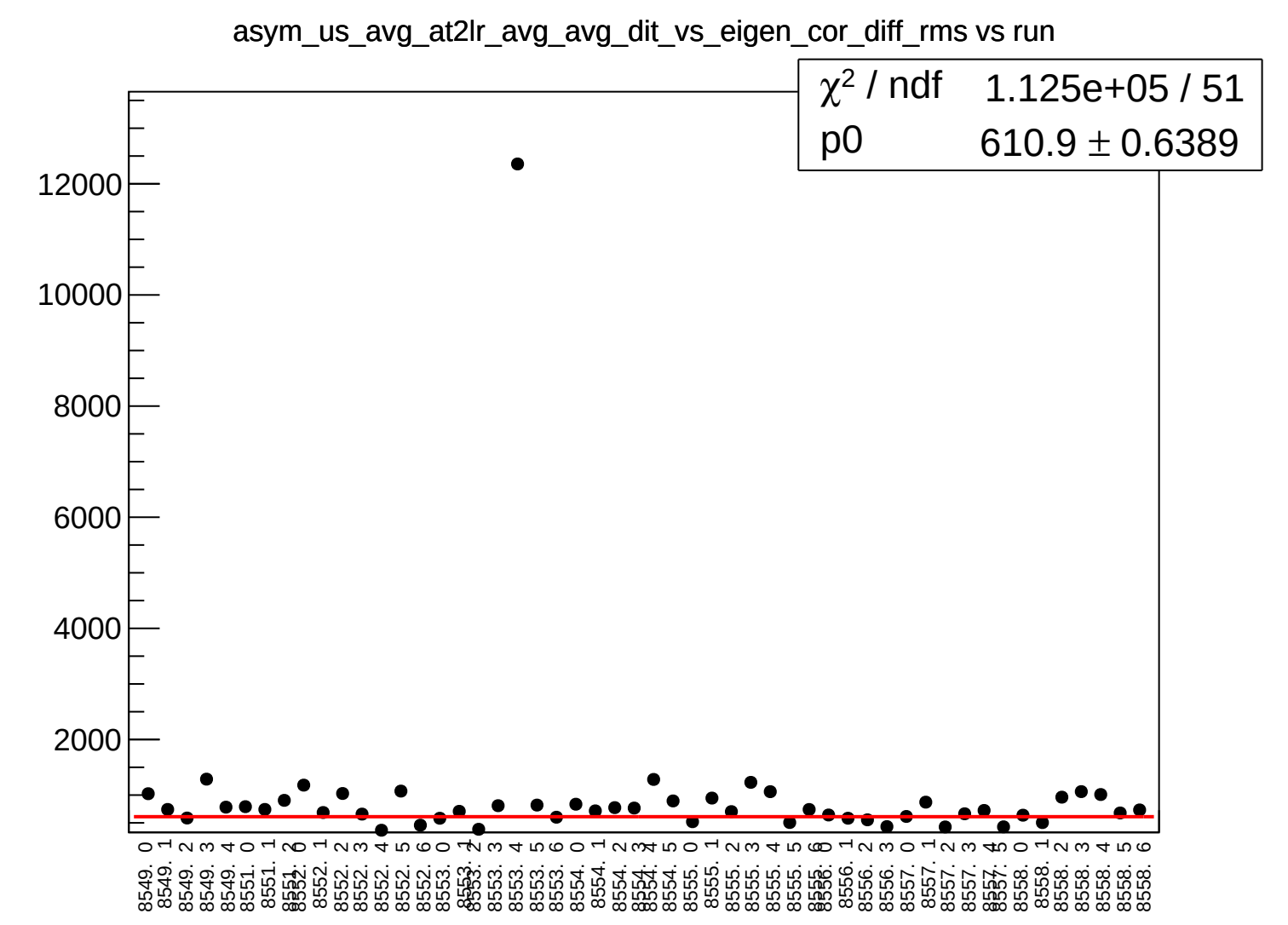

asym_us_avg_at2lr_avg_avg_dit_vs_cor_diff_mean vs run
χ² / ndf 51.14 / 51
p0 −2.49 ± 0.9036
pull
Entries 52
Mean 250.6
Std Dev 0

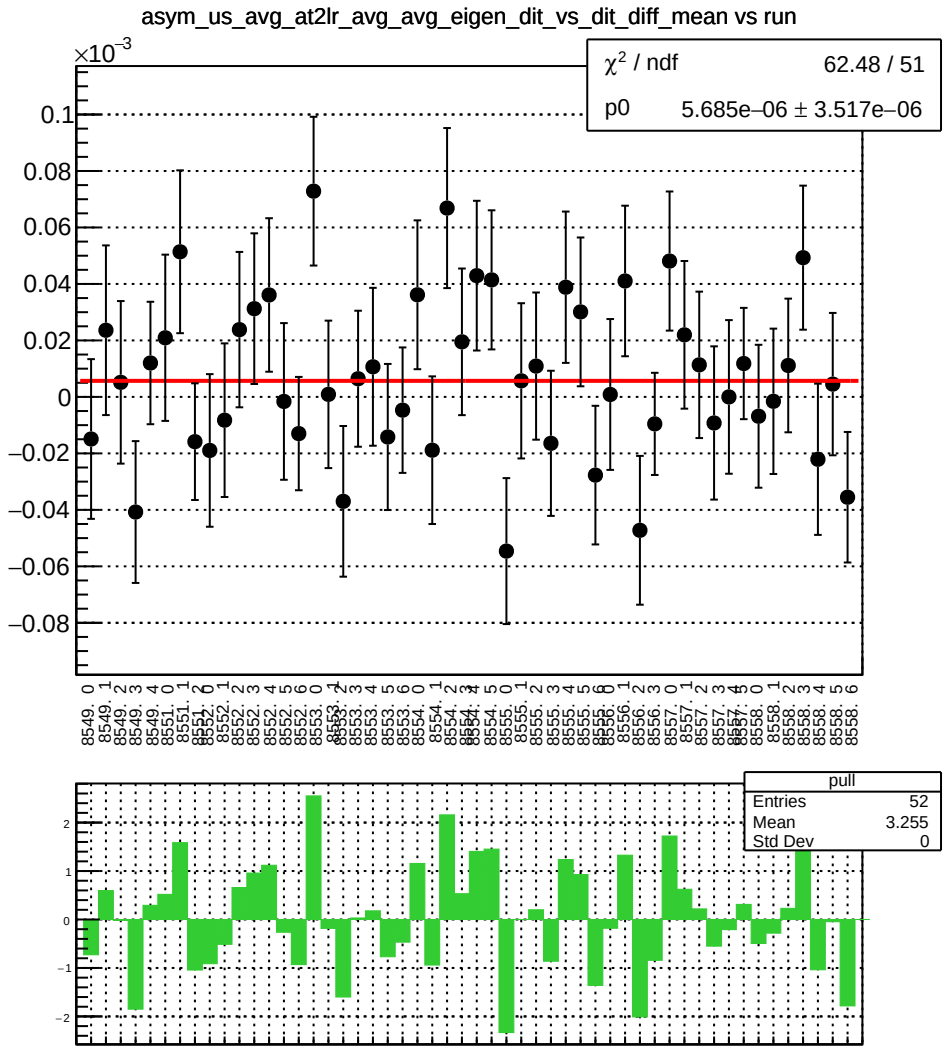

pull1D
Entries 52
Mean 0.02308
Std Dev 0.9915

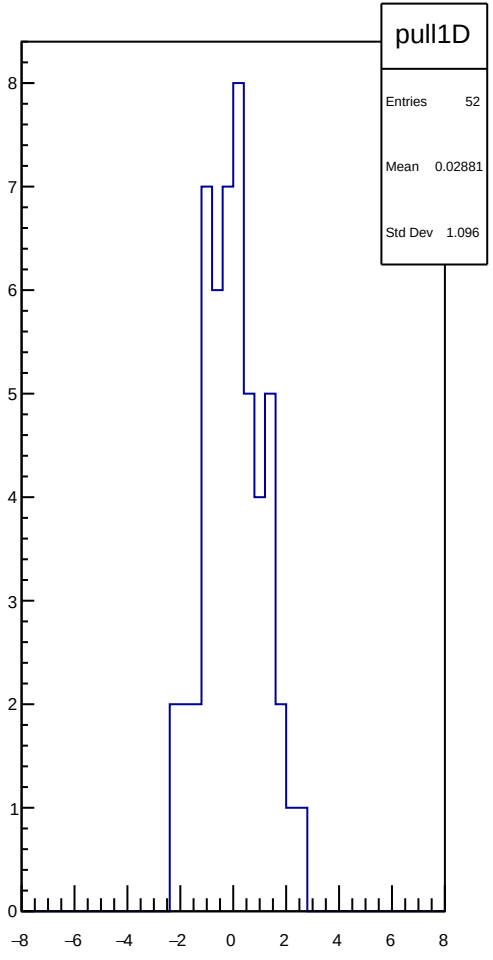

asym_us_avg_at2lr_avg_avg_dit_vs_cor_diff_rms vs run
χ² / ndf 1.125e+05 / 51
p0 610.9 ± 0.6389
12000
10000
8000
6000
4000
2000
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

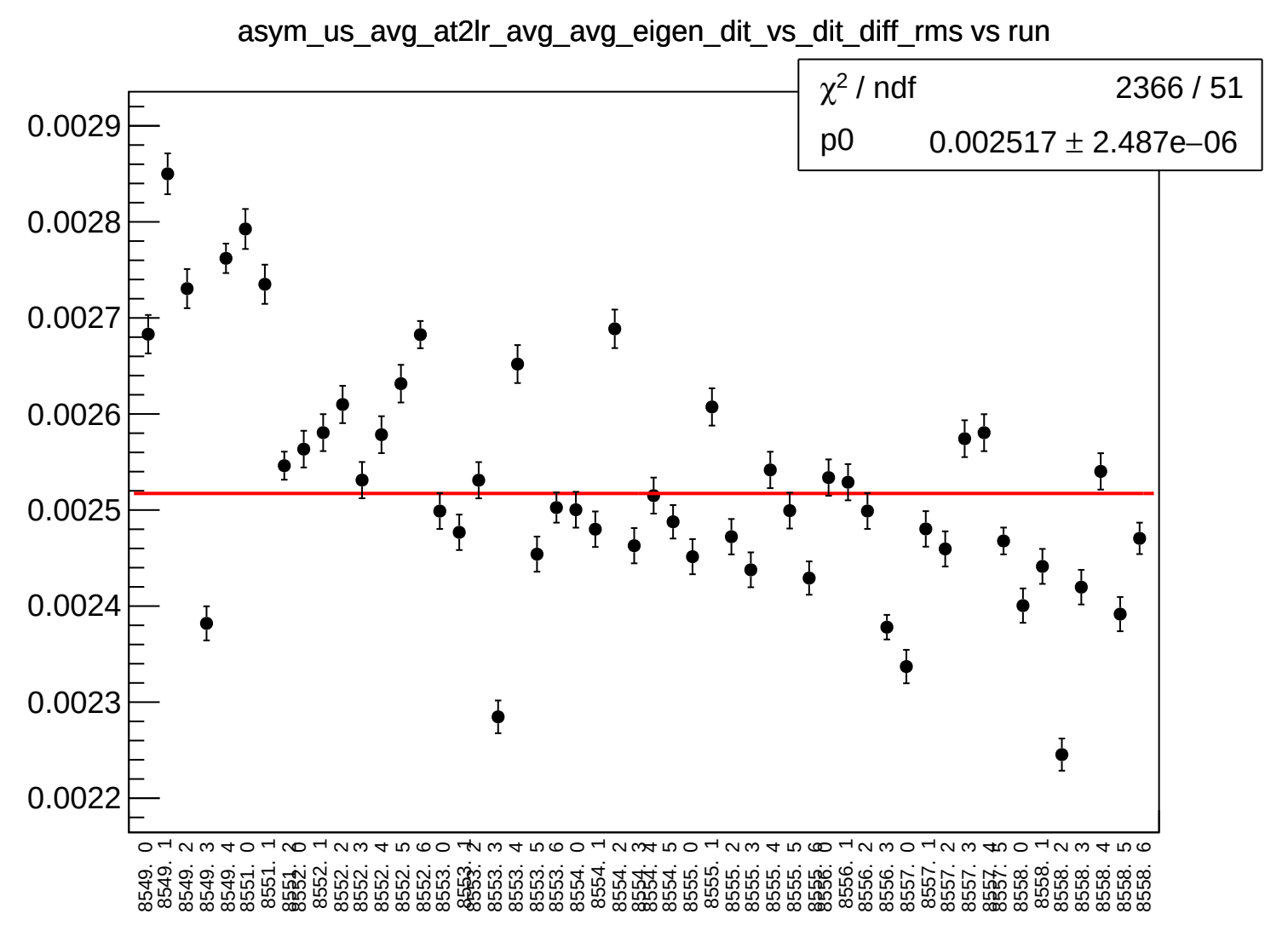

asym_us_avg_at2lr_avg_avg_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 51.14 / 51
p0 −2.49 ± 0.9036
pull
Entries 52
Mean 250.6
Std Dev 0

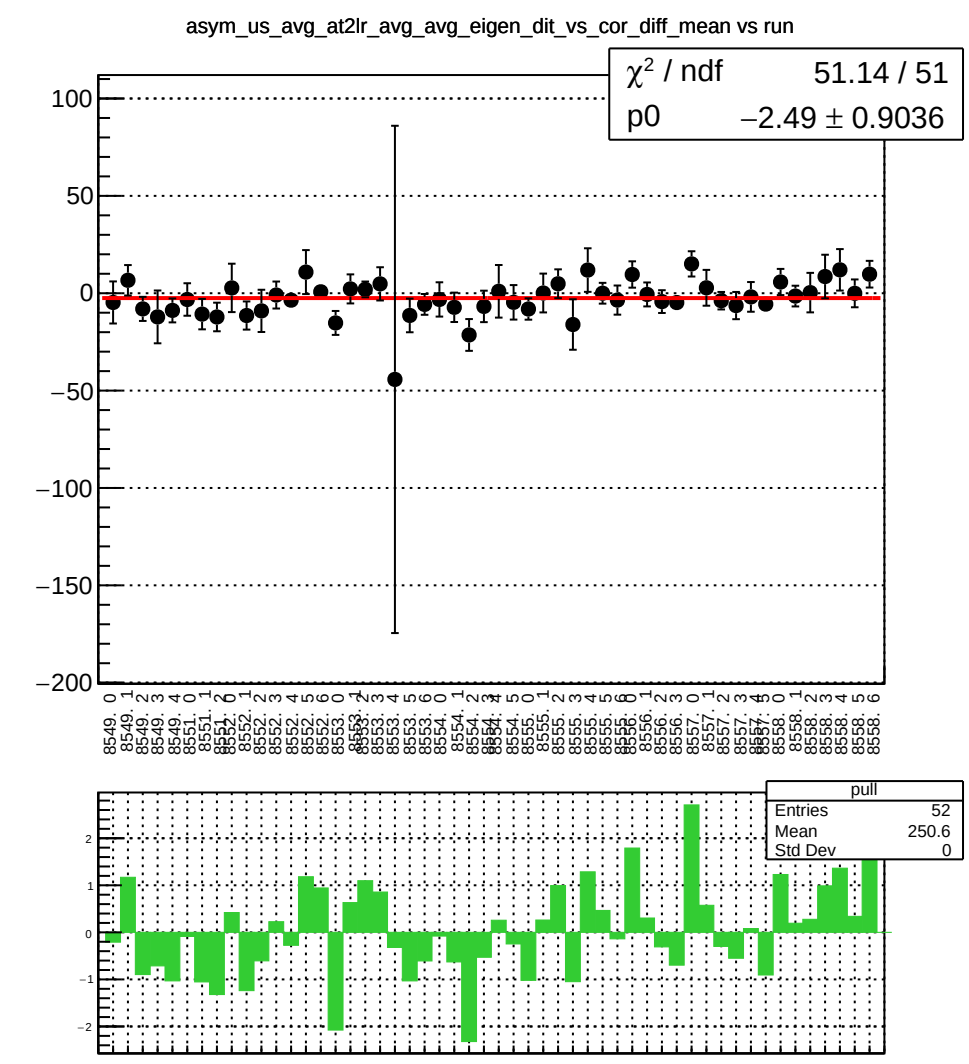

pull1D
Entries 52
Mean 0.02308
Std Dev 0.9915

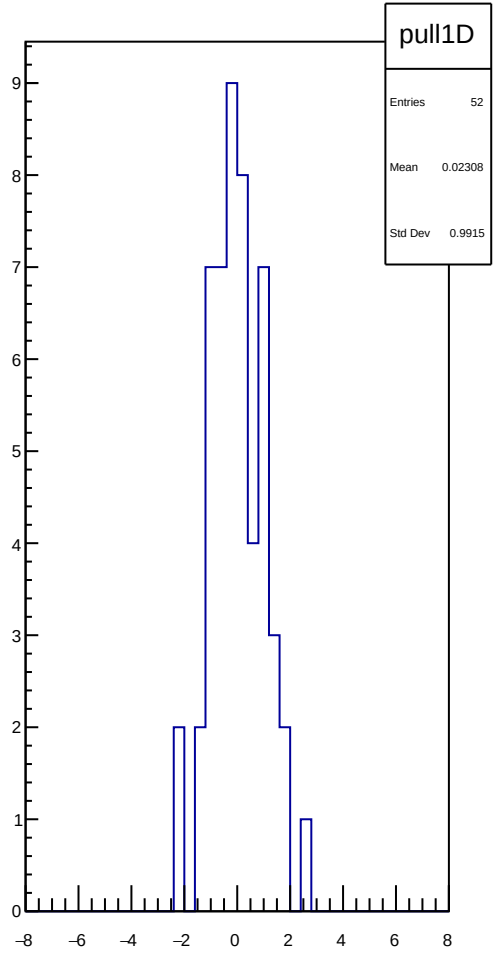

asym_us_avg_at2lr_avg_avg_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.125e+05 / 51
p0 610.9 ± 0.6389
12000
10000
8000
6000
4000
2000
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

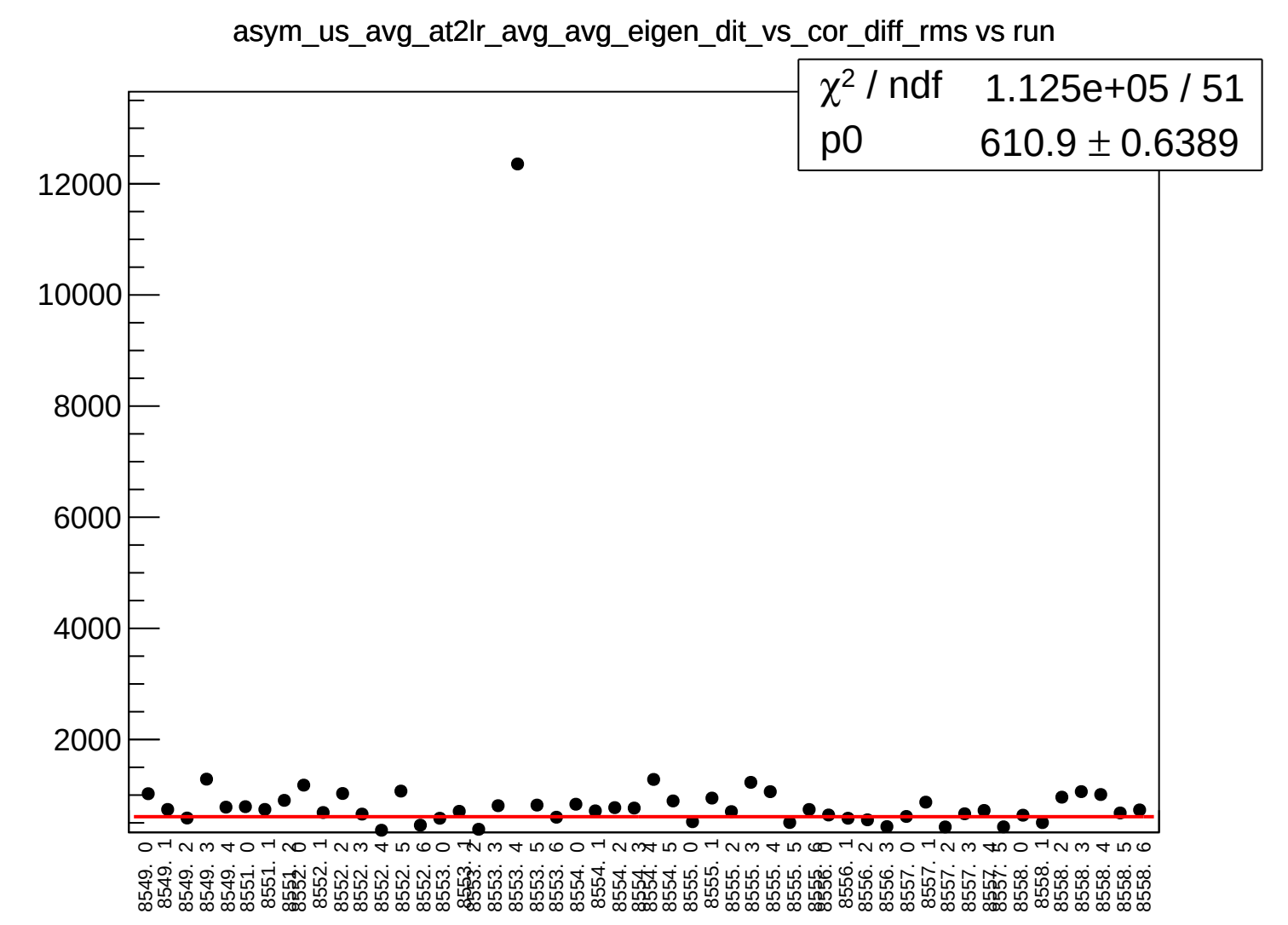

asym_us_avg_at2lr_avg_avg_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 62.48 / 51
p0 5.685e−06 ± 3.517e−06
pull
Entries 52
Mean 3.255
Std Dev 0


pull1D
Entries 52
Mean 0.02881
Std Dev 1.096


asym_us_avg_at2lr_avg_avg_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 2366 / 51
p0 0.002517 ± 2.487e−06
0.0029
0.0028
0.0027
0.0026
0.0025
0.0024
0.0023
0.0022
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6


asym_us_avg_at2lr_avg_avg_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 51.14 / 51
p0 −2.49 ± 0.9036
pull
Entries 52
Mean 250.6
Std Dev 0


pull1D
Entries 52
Mean 0.02308
Std Dev 0.9915


asym_us_avg_at2lr_avg_avg_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 1.125e+05 / 51
p0 610.9 ± 0.6389
12000
10000
8000
6000
4000
2000
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
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8557. 2
8557. 3
8558. 0
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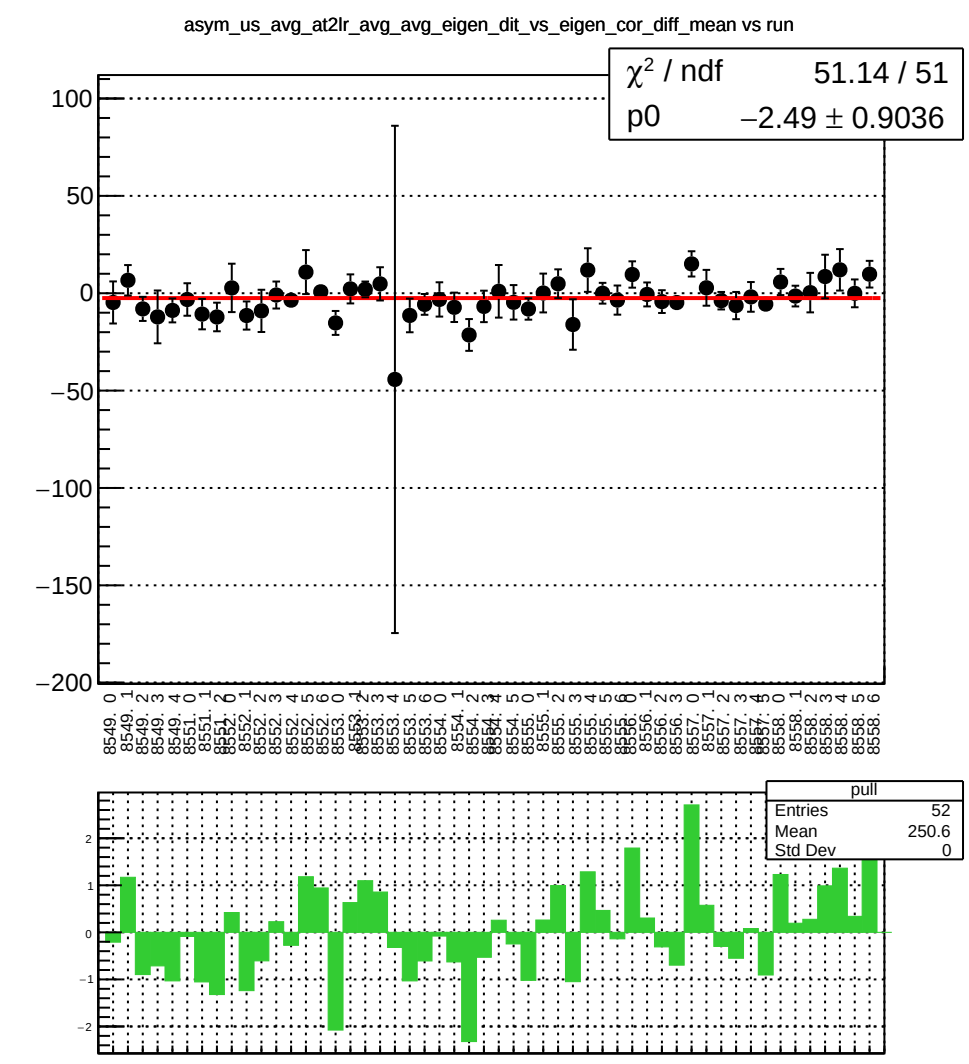
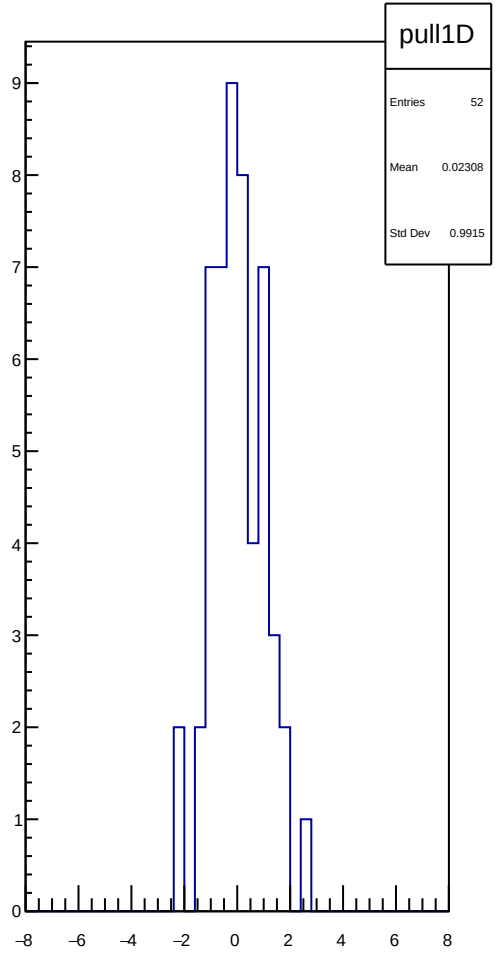
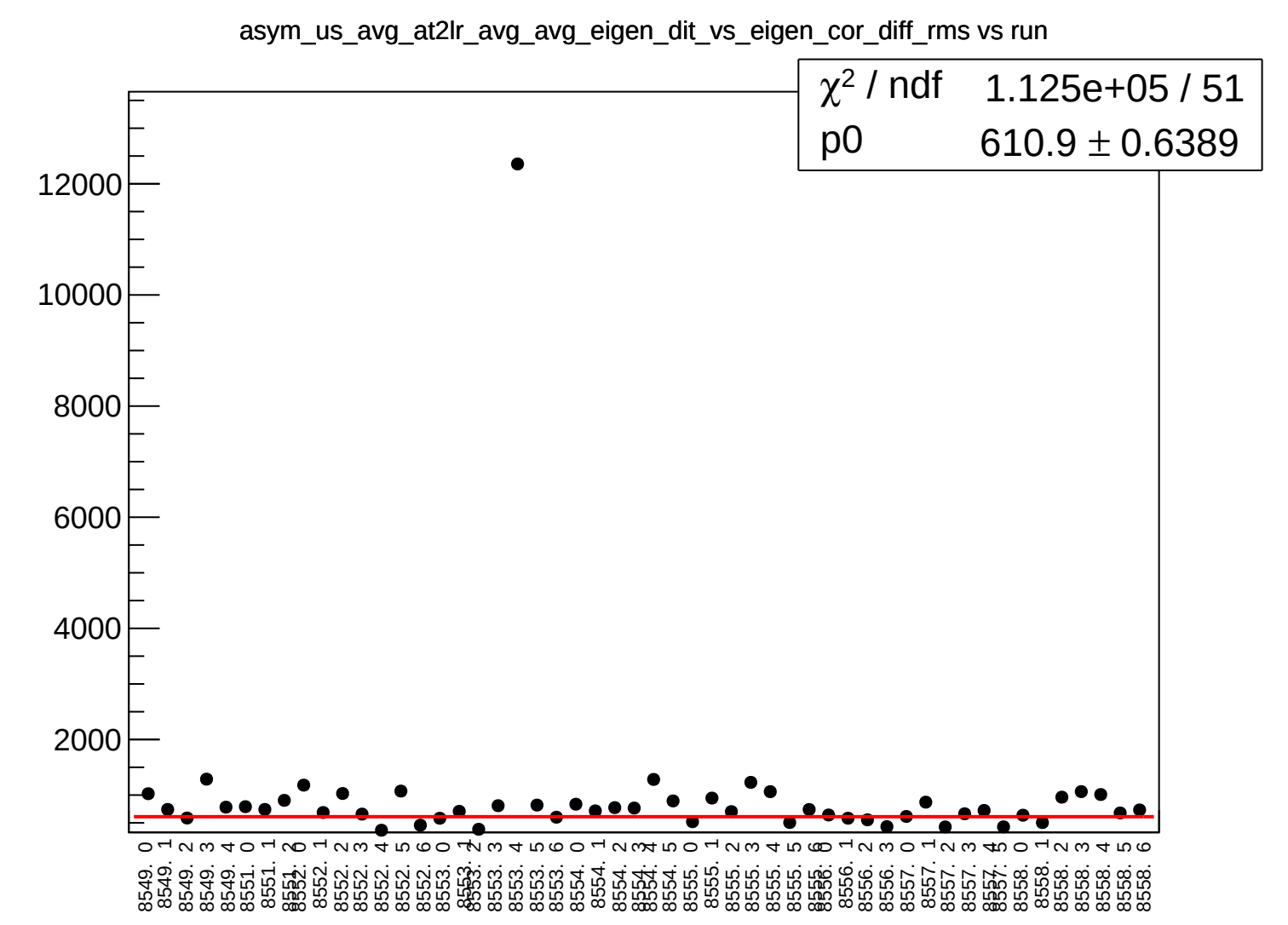
8558. 5
8558. 6


asym_us_avg_at2lr_avg_avg_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 51.14 / 51
p0 −2.49 ± 0.9036
pull
Entries 52
Mean 250.6
Std Dev 0


pull1D
Entries 52
Mean 0.02308
Std Dev 0.9915


asym_us_avg_at2lr_avg_avg_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.125e+05 / 51
p0 610.9 ± 0.6389
12000
10000
8000
6000
4000
2000
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 0
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
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8557. 3
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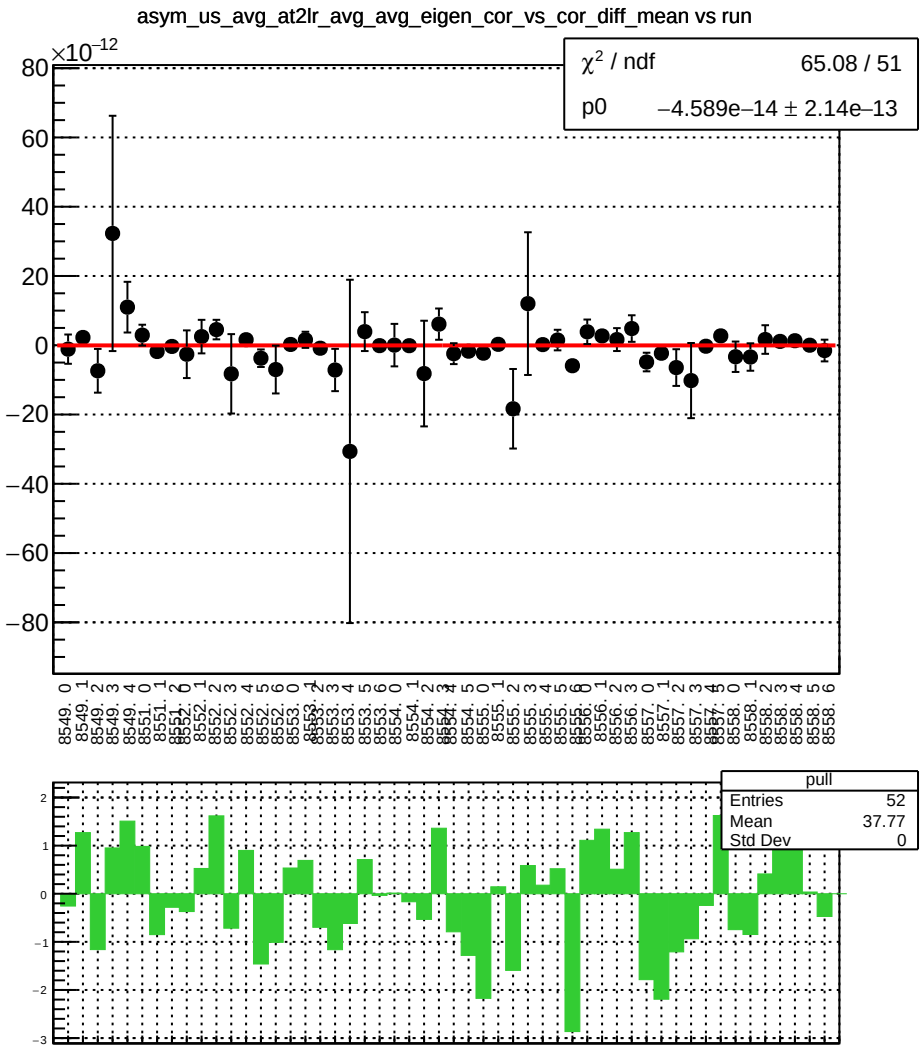
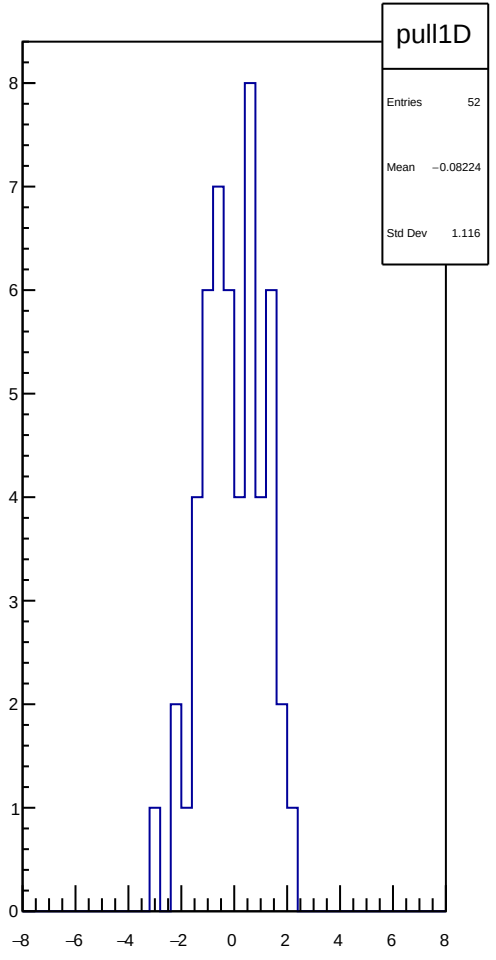
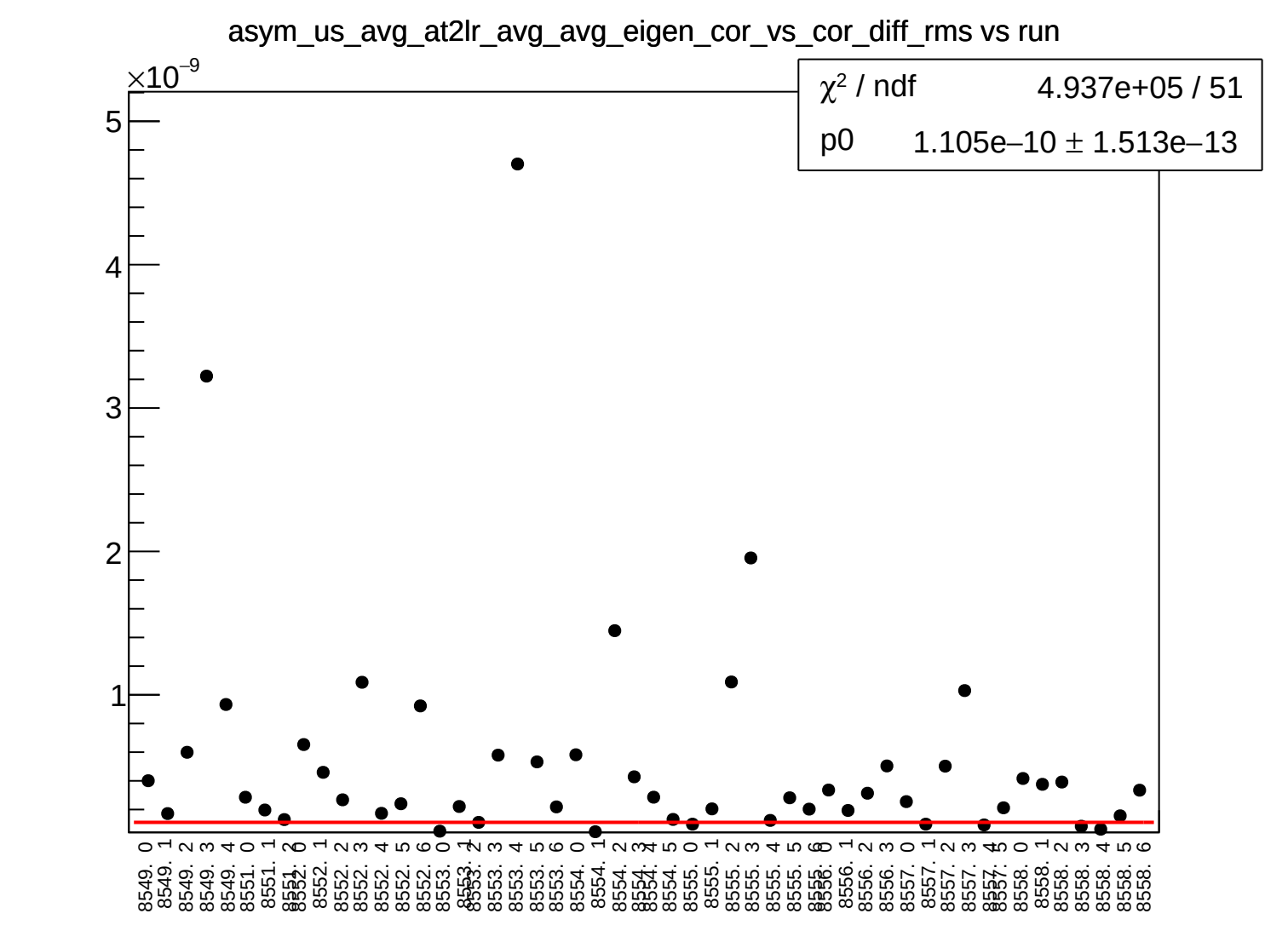
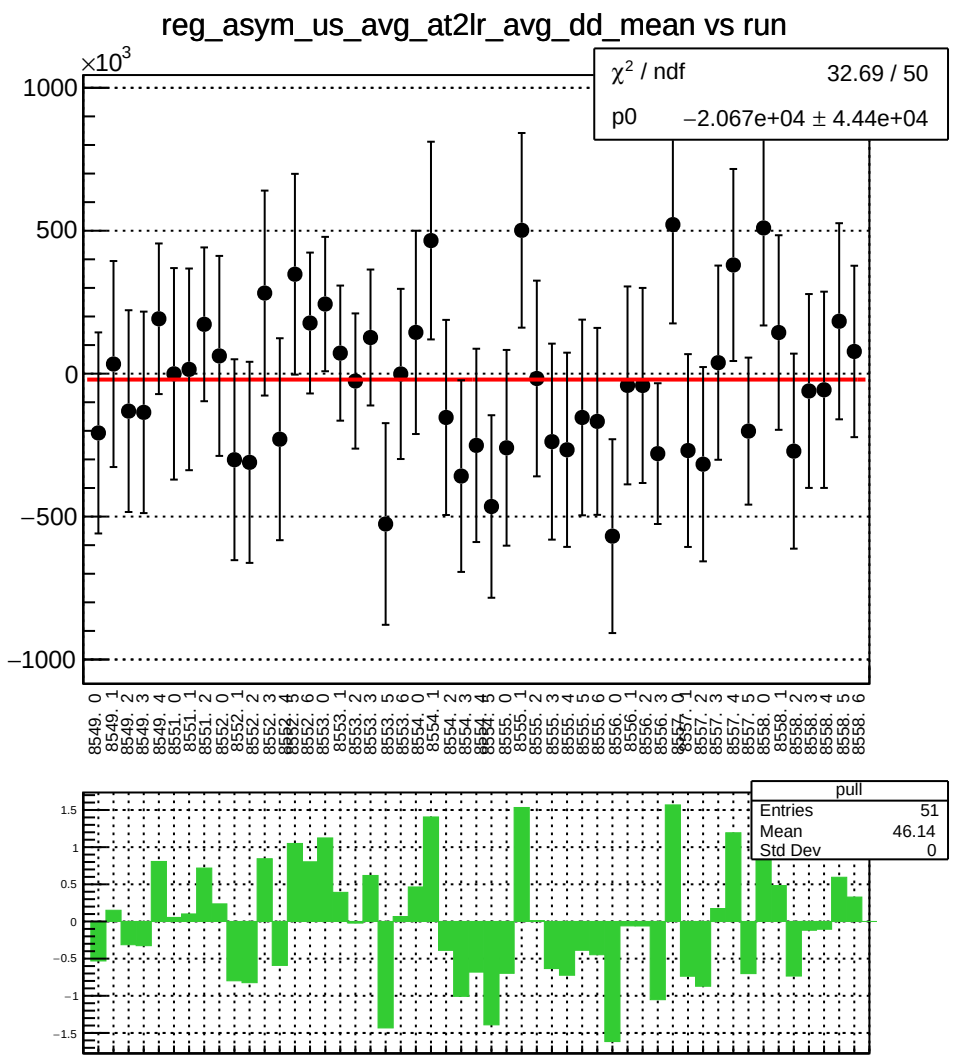
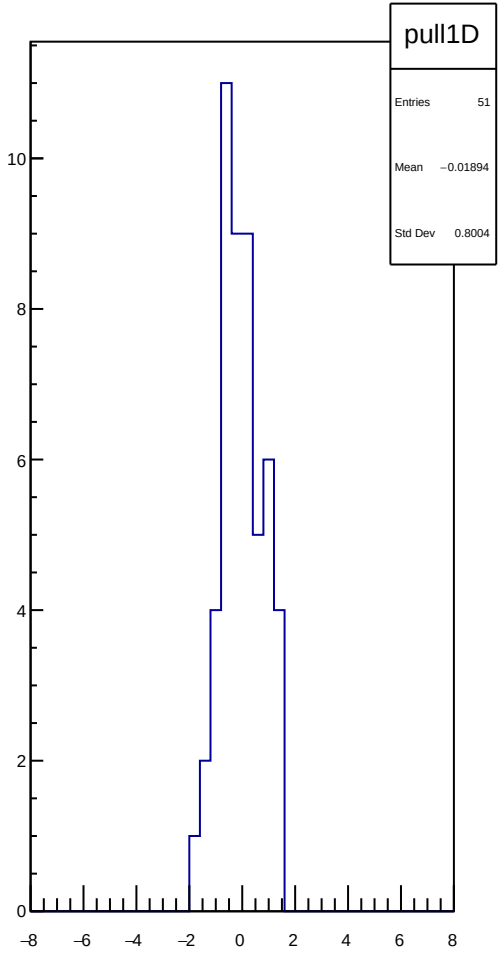
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

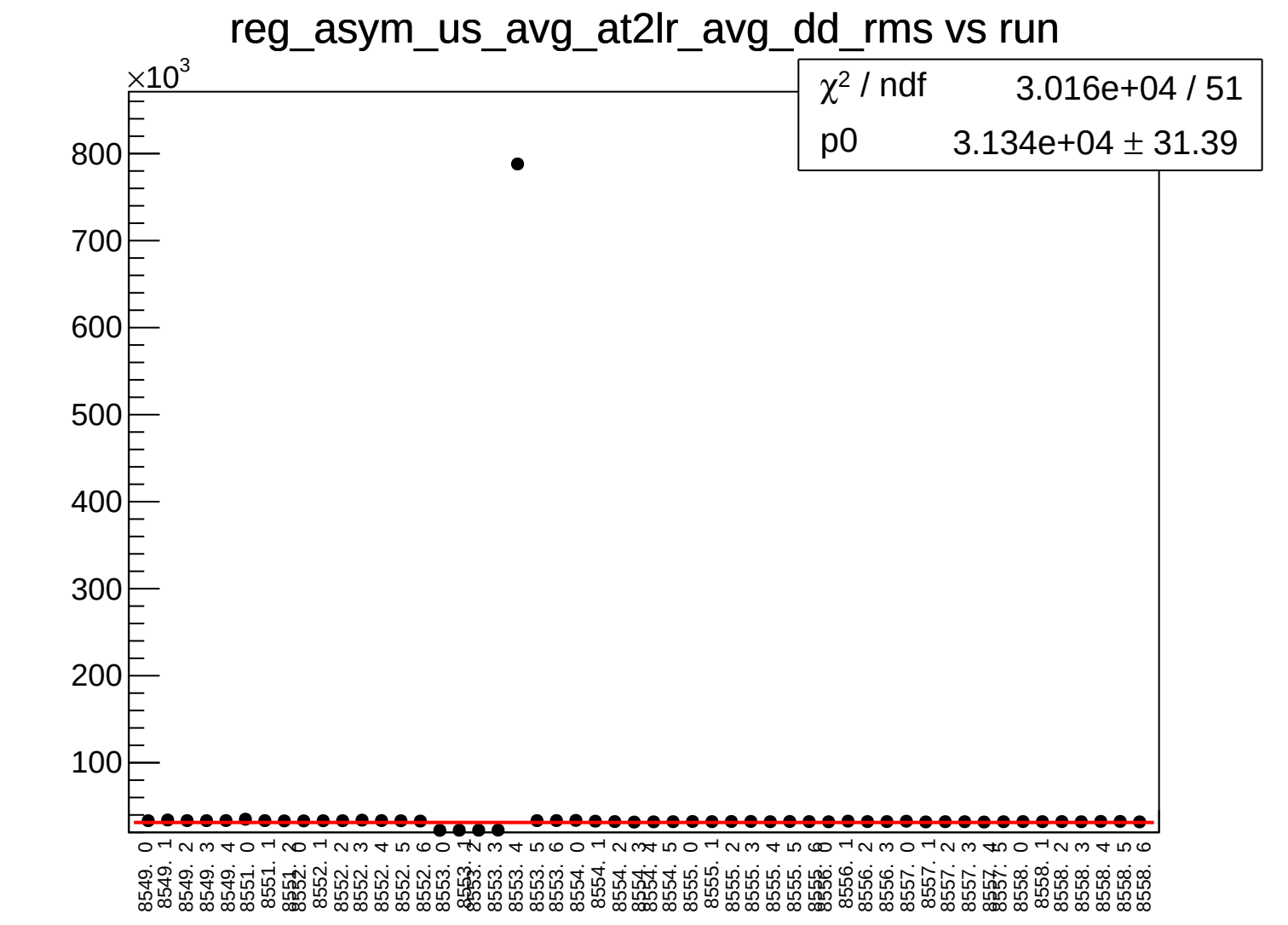

asym_us_avg_at2lr_avg_avg_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 65.08 / 51
p0 −4.589e−14 ± 2.14e−13
pull
Entries 52
Mean 37.77
Std Dev 0


pull1D
Entries 52
Mean −0.08224
Std Dev 1.116


asym_us_avg_at2lr_avg_avg_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 4.937e+05 / 51
p0 1.105e−10 ± 1.513e−13
5
4
3
2
1
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8551. 2
8552. 0
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 1
8553. 2
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6


reg_asym_us_avg_at2lr_avg_dd_mean vs run
×10^3
χ² / ndf 32.69 / 50
p0 −2.067e+04 ± 4.44e+04
pull
Entries 51
Mean 46.14
Std Dev 0


pull1D
Entries 51
Mean −0.01894
Std Dev 0.8004


reg_asym_us_avg_at2lr_avg_dd_rms vs run
×10^3
800
700
600
500
400
300
200
100
χ² / ndf 3.016e+04 / 51
p0 3.134e+04 ± 31.39
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
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8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
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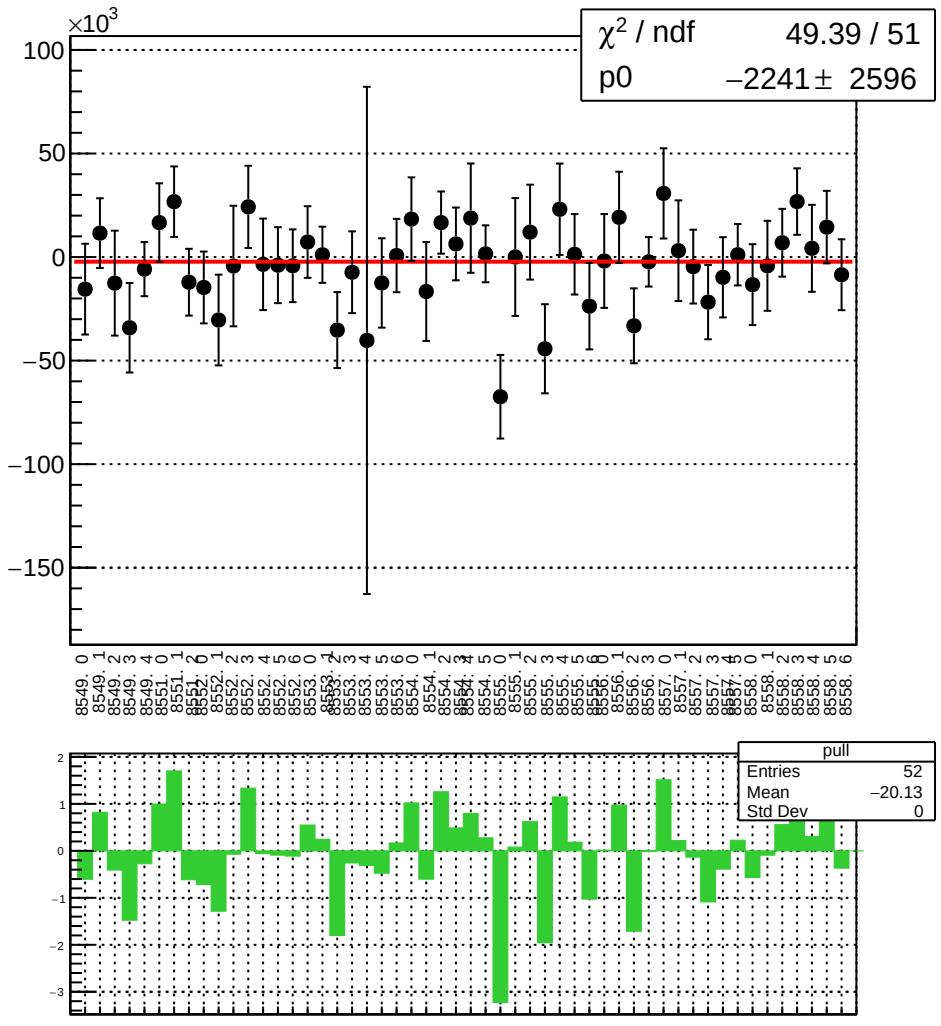
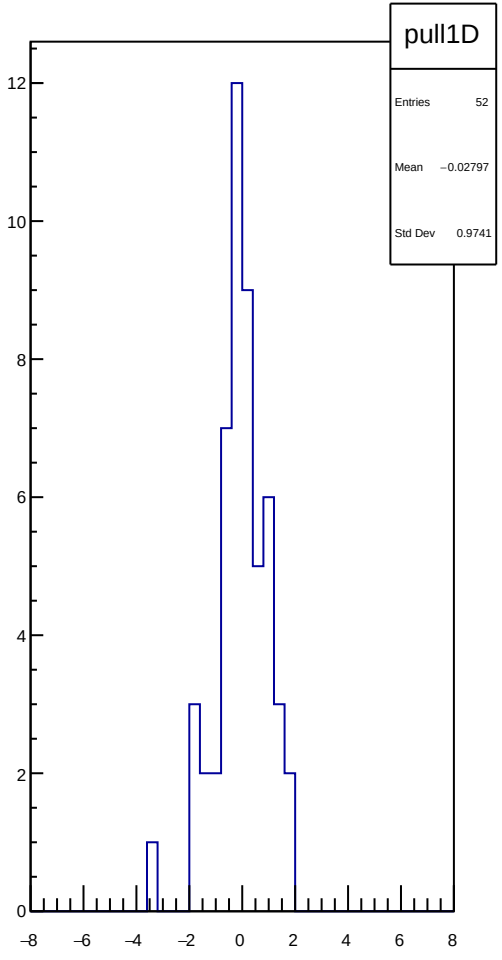
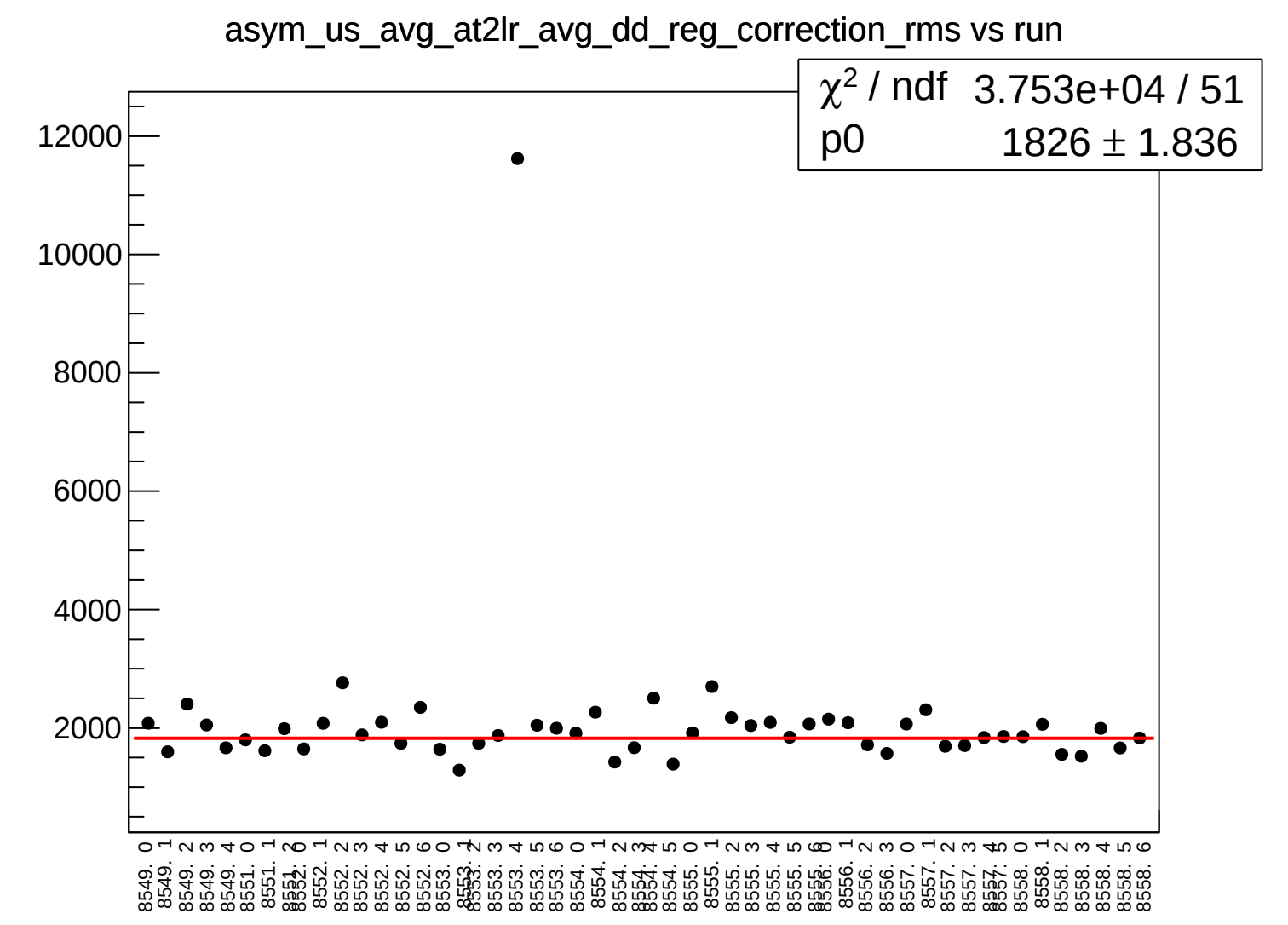
8558. 5
8558. 6


asym_us_avg_at2lr_avg_dd_reg_correction_mean vs run
×10^3
χ² / ndf 49.39 / 51
p0 −2241 ± 2596
pull
Entries 52
Mean −20.13
Std Dev 0


pull1D
Entries 52
Mean −0.02797
Std Dev 0.9741


asym_us_avg_at2lr_avg_dd_reg_correction_rms vs run
χ² / ndf 3.753e+04 / 51
p0 1826 ± 1.836
12000
10000
8000
6000
4000
2000
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
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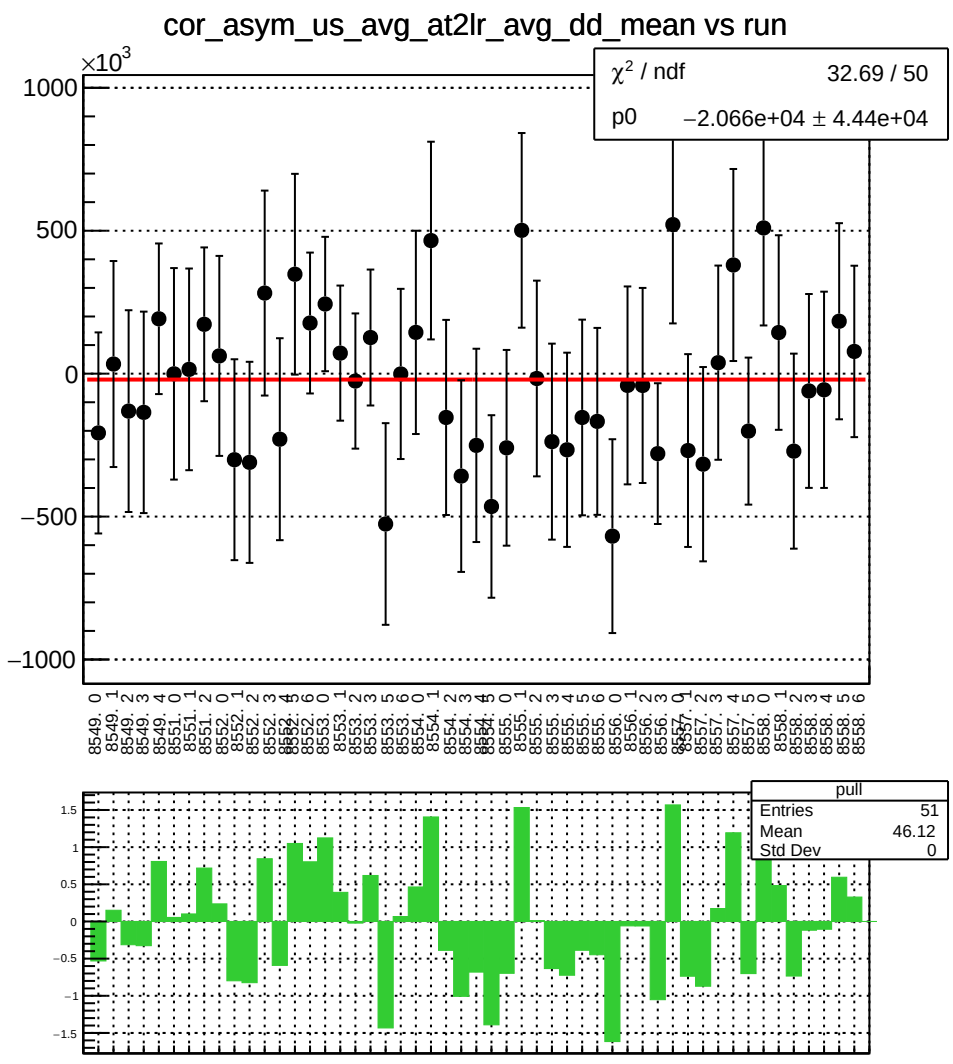
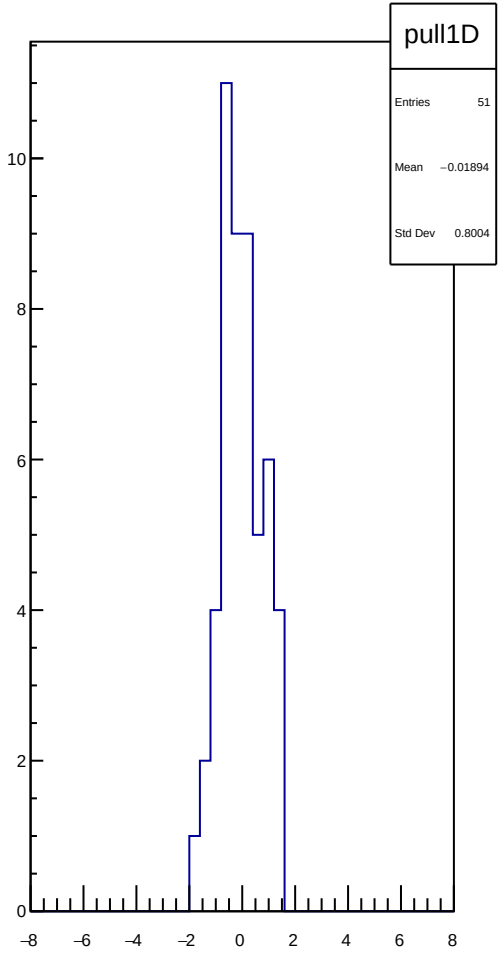
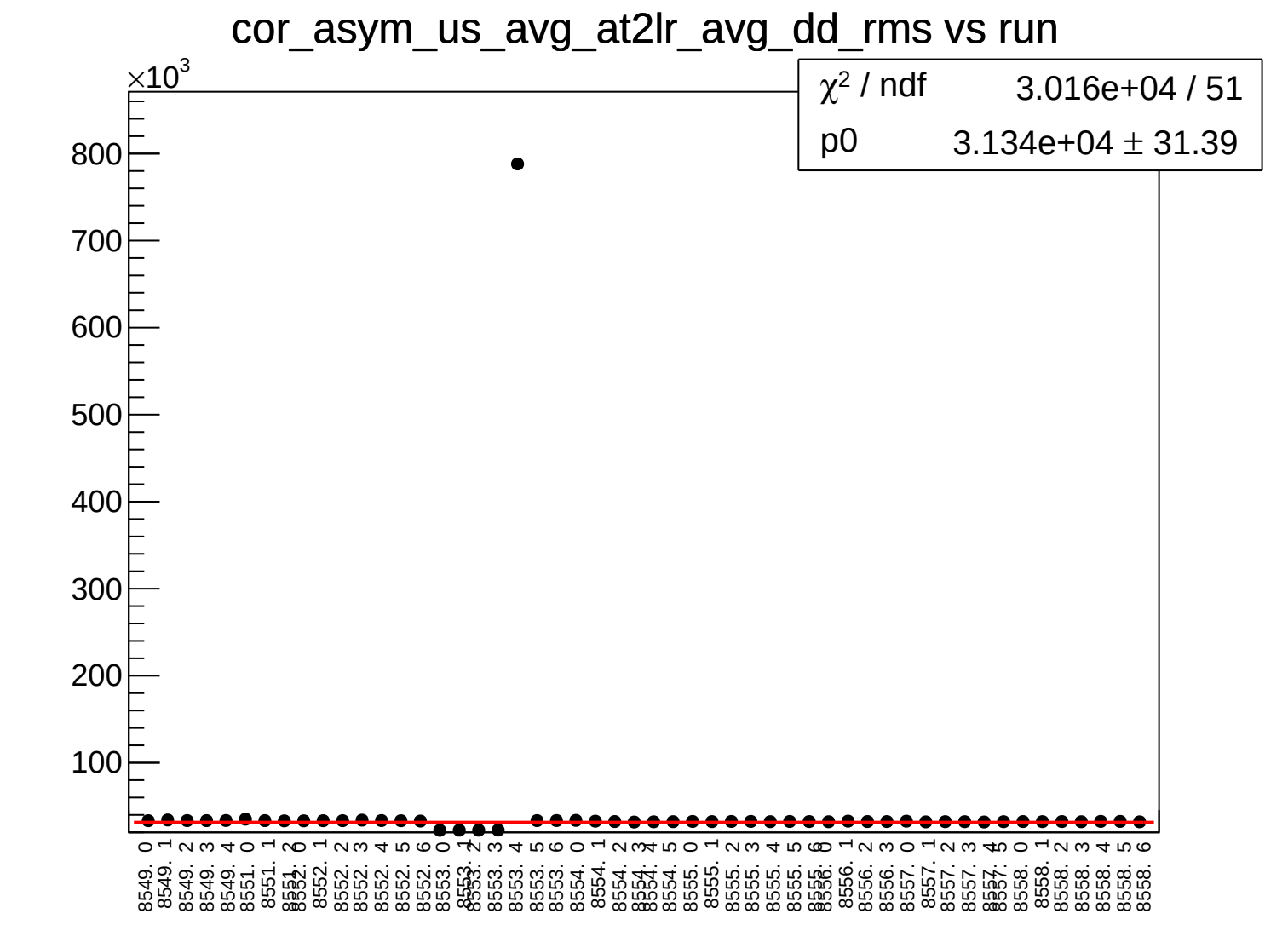
8558. 5
8558. 6


cor_asym_us_avg_at2lr_avg_dd_mean vs run
×10^3
χ² / ndf 32.69 / 50
p0 −2.066e+04 ± 4.44e+04
pull
Entries 51
Mean 46.12
Std Dev 0


pull1D
Entries 51
Mean −0.01894
Std Dev 0.8004


cor_asym_us_avg_at2lr_avg_dd_rms vs run
×10^3
800
700
600
500
400
300
200
100
χ² / ndf 3.016e+04 / 51
p0 3.134e+04 ± 31.39
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 5
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
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8556. 1
8556. 2
8556. 3
8557. 0
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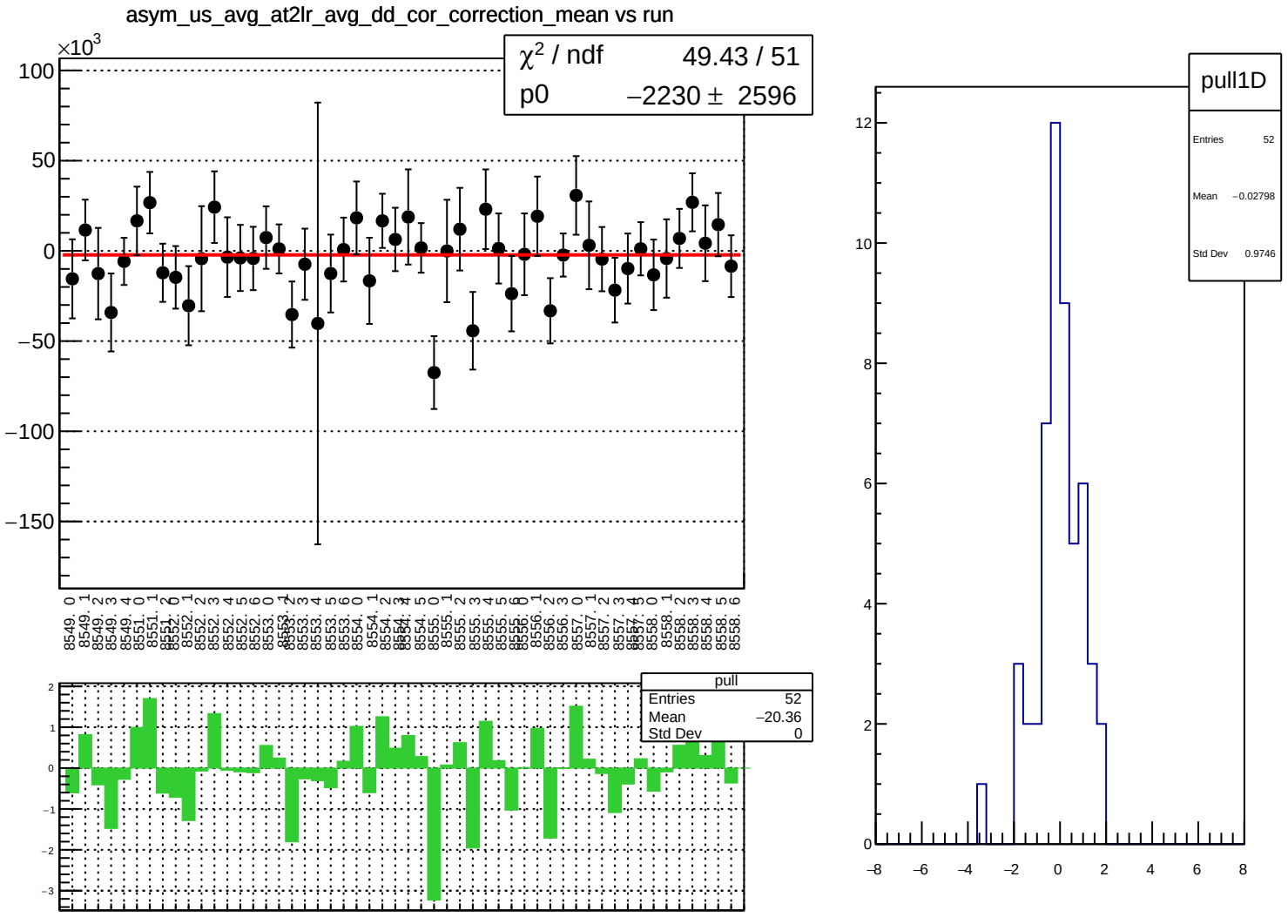
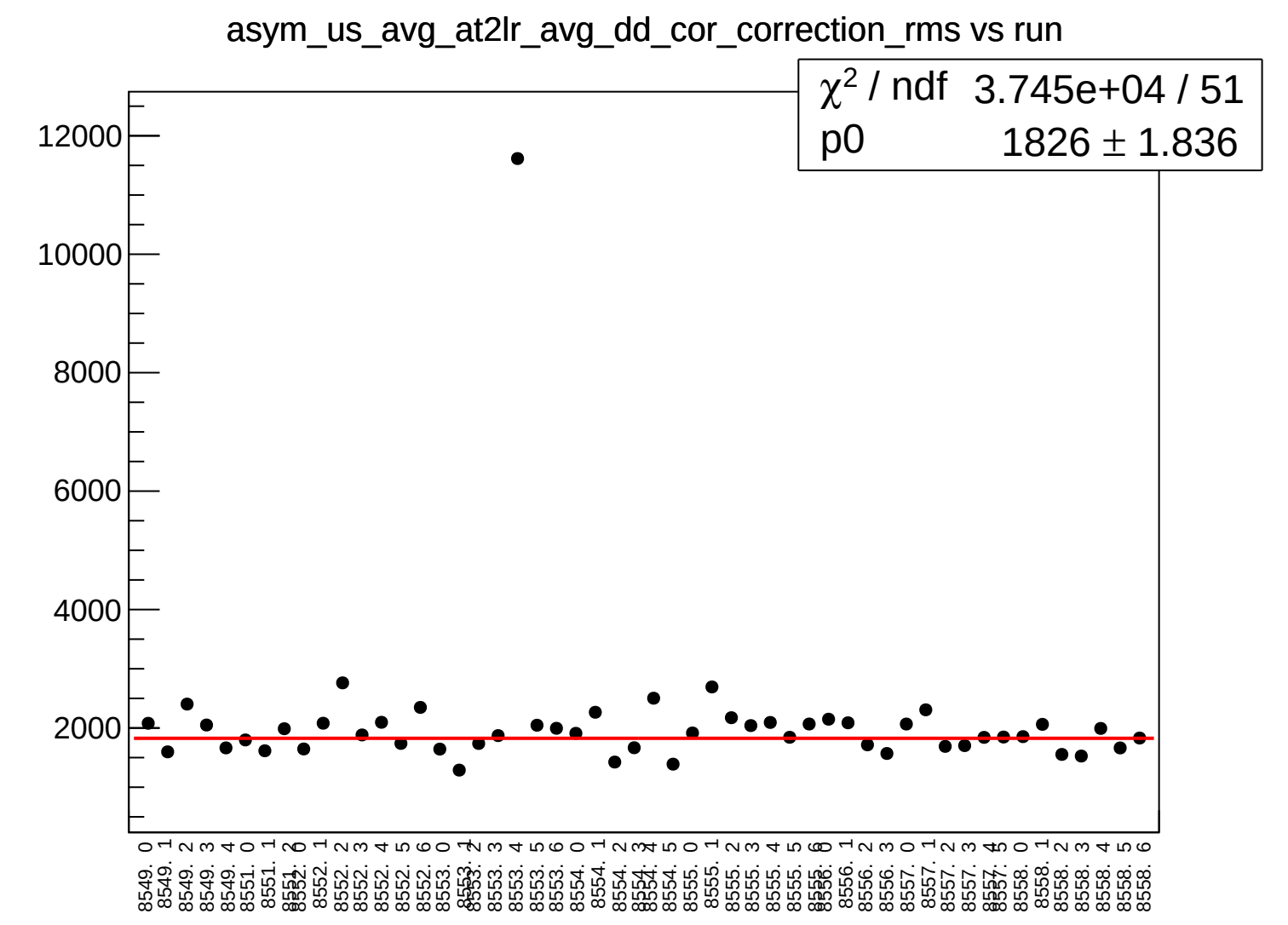

asym_us_avg_at2lr_avg_dd_cor_correction_mean vs run
×10^3
χ² / ndf 49.43 / 51
p0 −2230 ± 2596
pull
Entries 52
Mean −20.36
Std Dev 0
pull1D
Entries 52
Mean −0.02798
Std Dev 0.9746


asym_us_avg_at2lr_avg_dd_cor_correction_rms vs run
χ² / ndf 3.745e+04 / 51
p0 1826 ± 1.836
12000
10000
8000
6000
4000
2000
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
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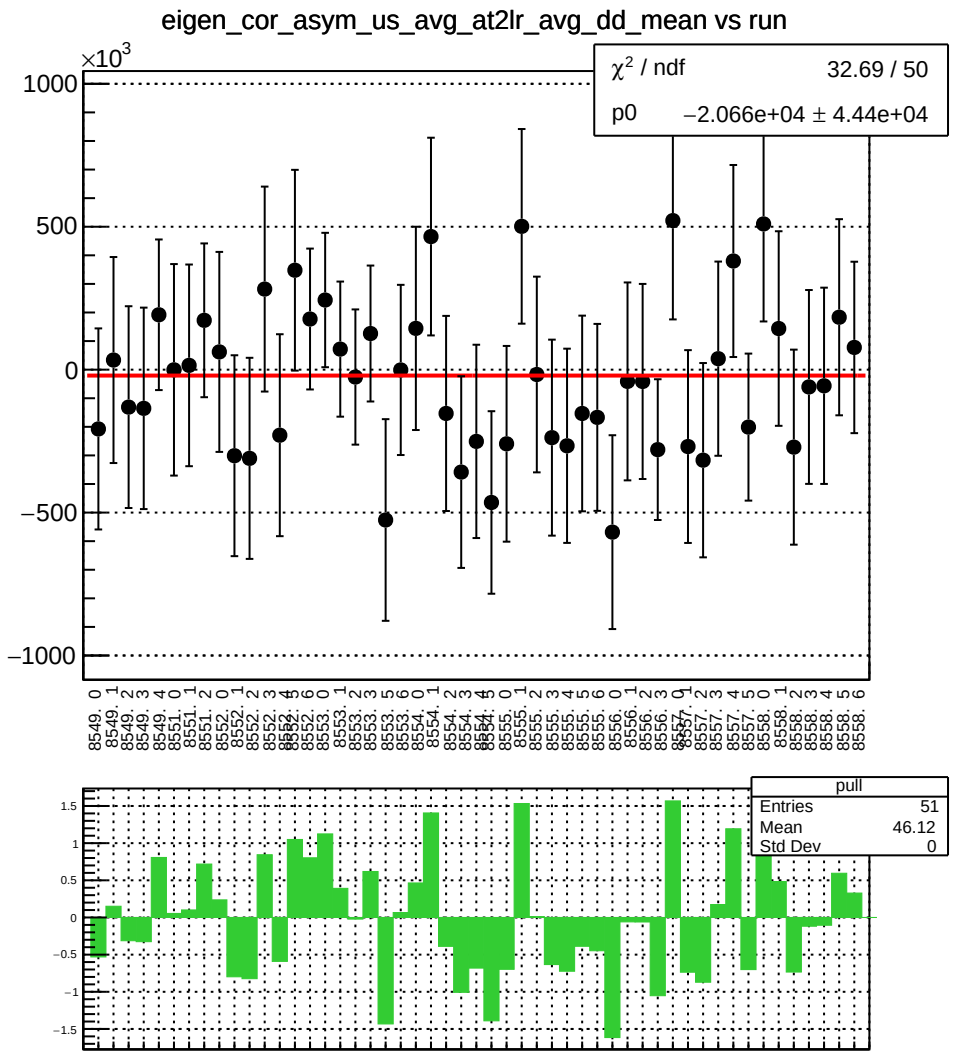
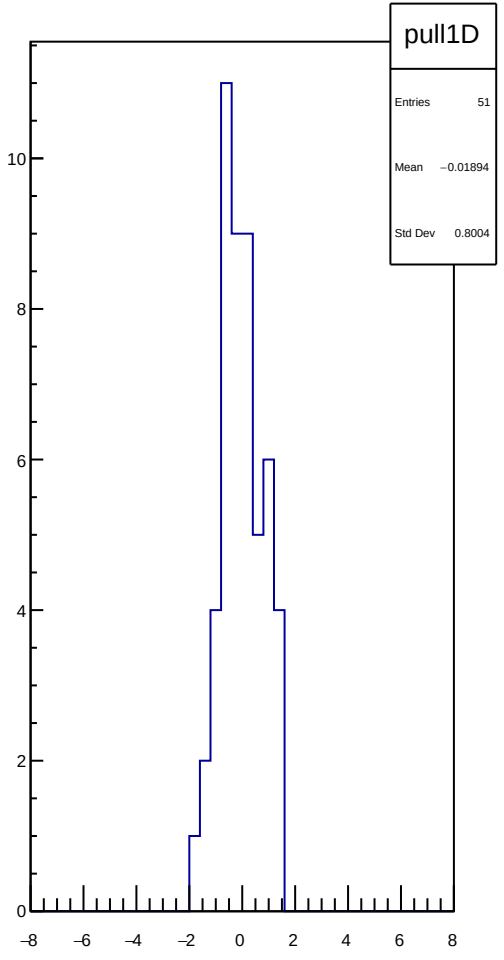
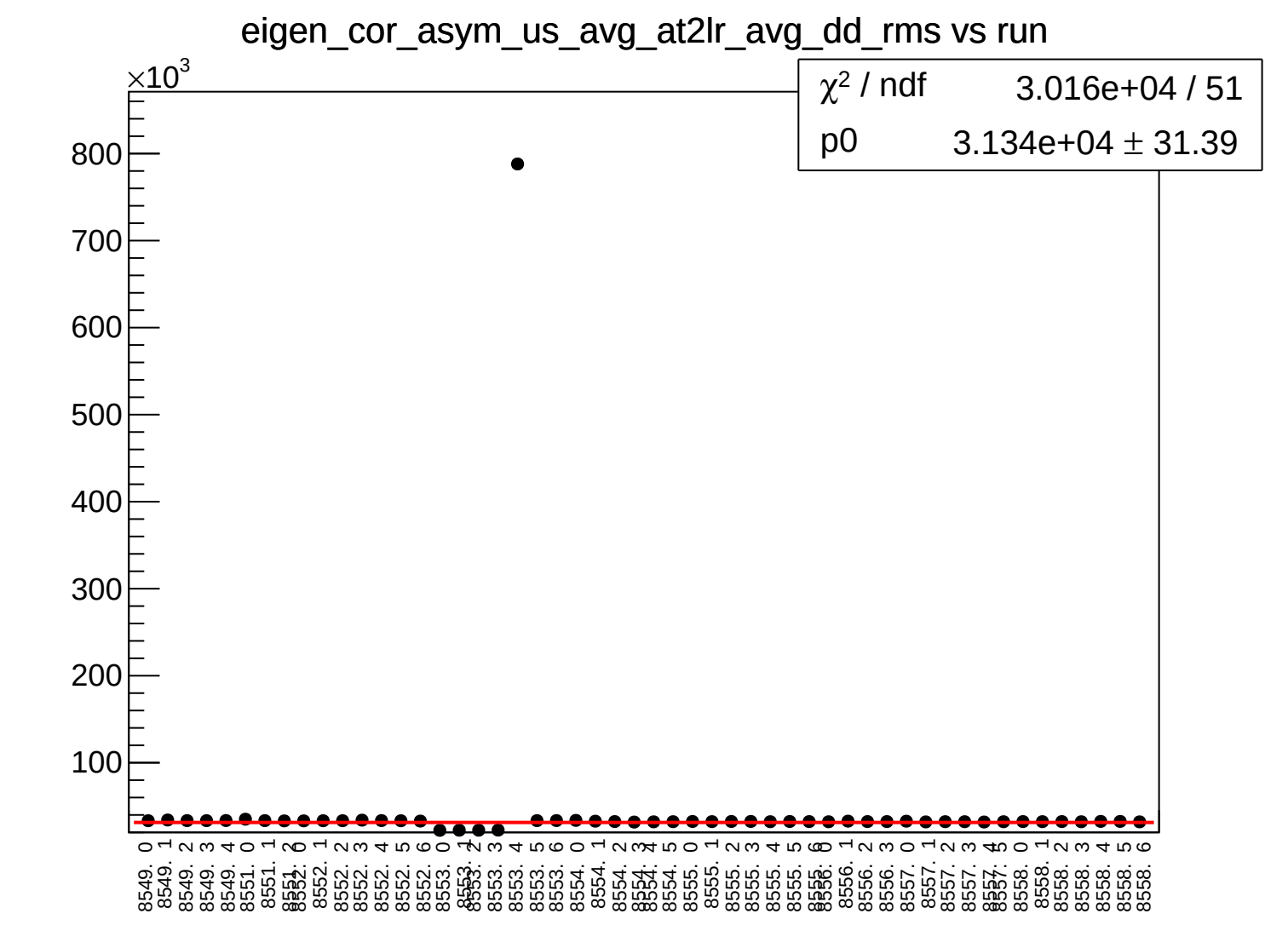
8558. 5
8558. 6


eigen_cor_asym_us_avg_at2lr_avg_dd_mean vs run
×10^3
χ² / ndf 32.69 / 50
p0 −2.066e+04 ± 4.44e+04
pull
Entries 51
Mean 46.12
Std Dev 0


pull1D
Entries 51
Mean −0.01894
Std Dev 0.8004


eigen_cor_asym_us_avg_at2lr_avg_dd_rms vs run
×10^3
χ² / ndf 3.016e+04 / 51
p0 3.134e+04 ± 31.39
800
700
600
500
400
300
200
100
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 0
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 1
8553. 2
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
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8555. 0
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8557. 0
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8558. 1
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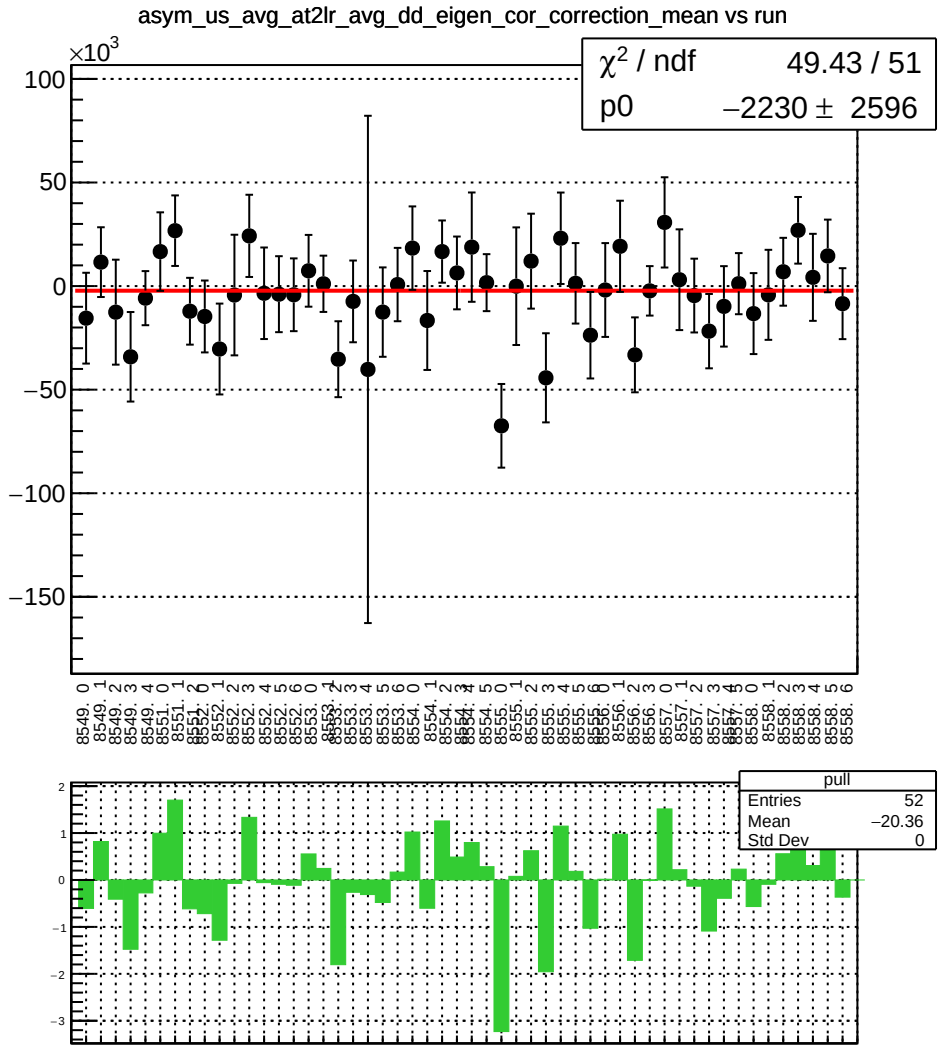
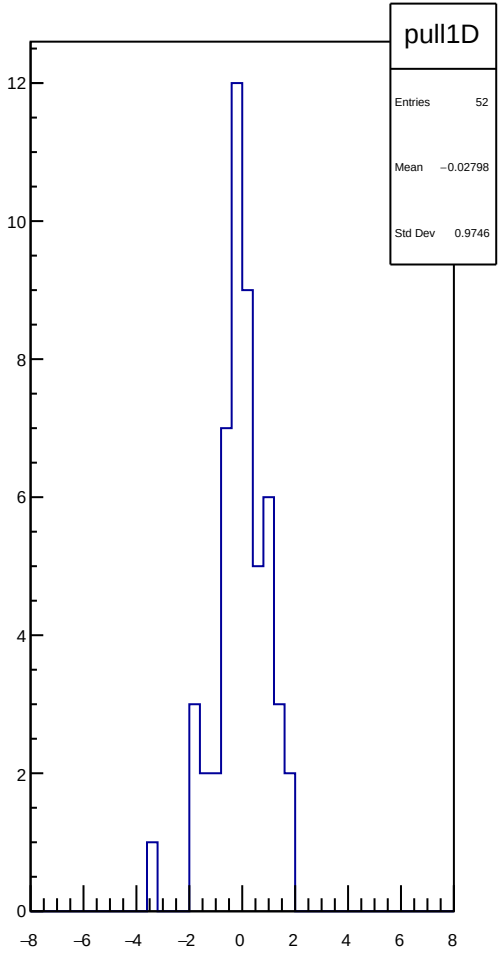
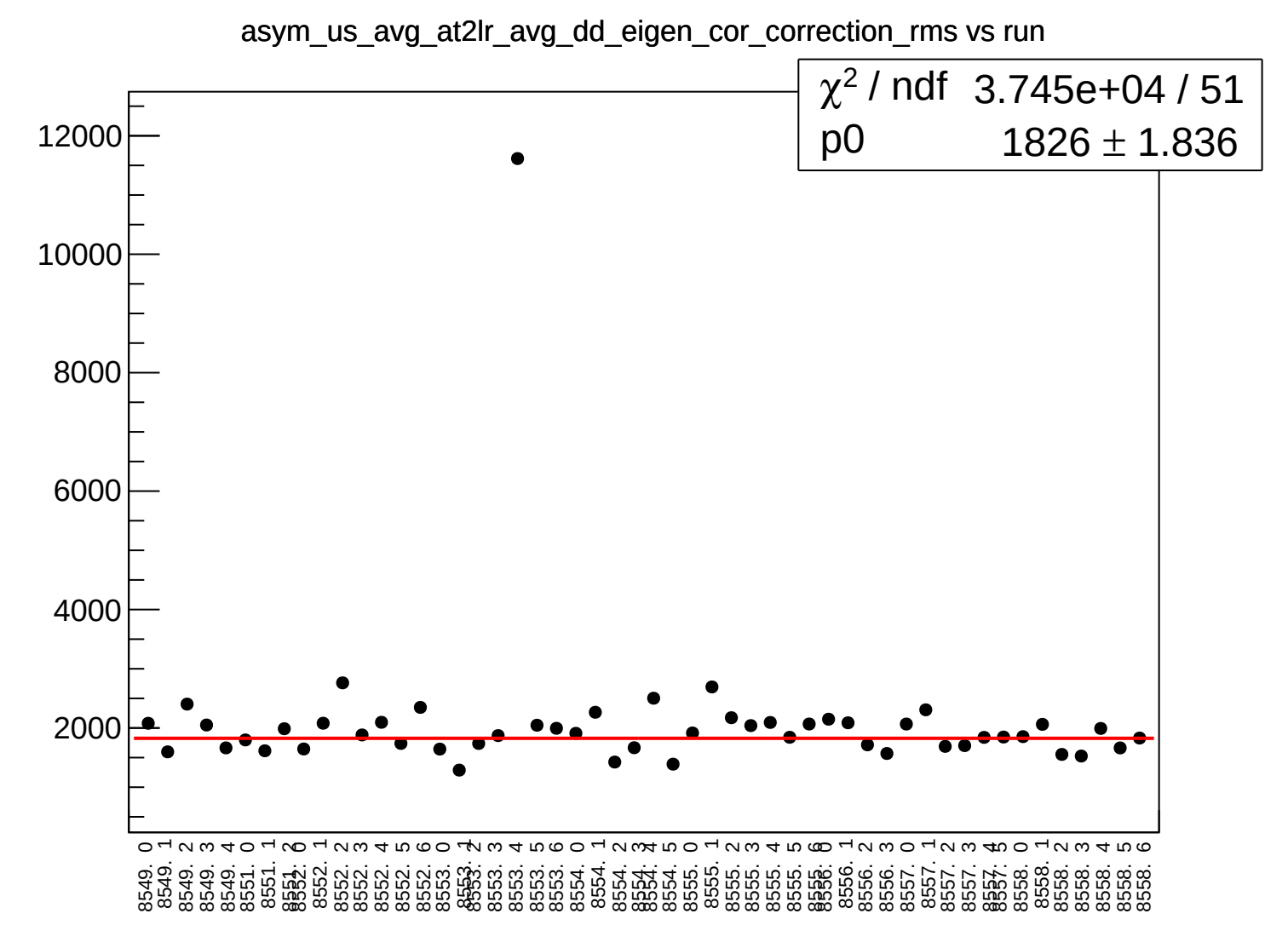

asym_us_avg_at2lr_avg_dd_eigen_cor_correction_mean vs run
×10^3
χ^2 / ndf 49.43 / 51
p0 −2230 ± 2596
pull
Entries 52
Mean −20.36
Std Dev 0


pull1D
Entries 52
Mean −0.02798
Std Dev 0.9746


asym_us_avg_at2lr_avg_dd_eigen_cor_correction_rms vs run
χ² / ndf 3.745e+04 / 51
p0 1826 ± 1.836
12000
10000
8000
6000
4000
2000
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
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8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
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8555. 1
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8556. 2
8556. 3
8557. 0
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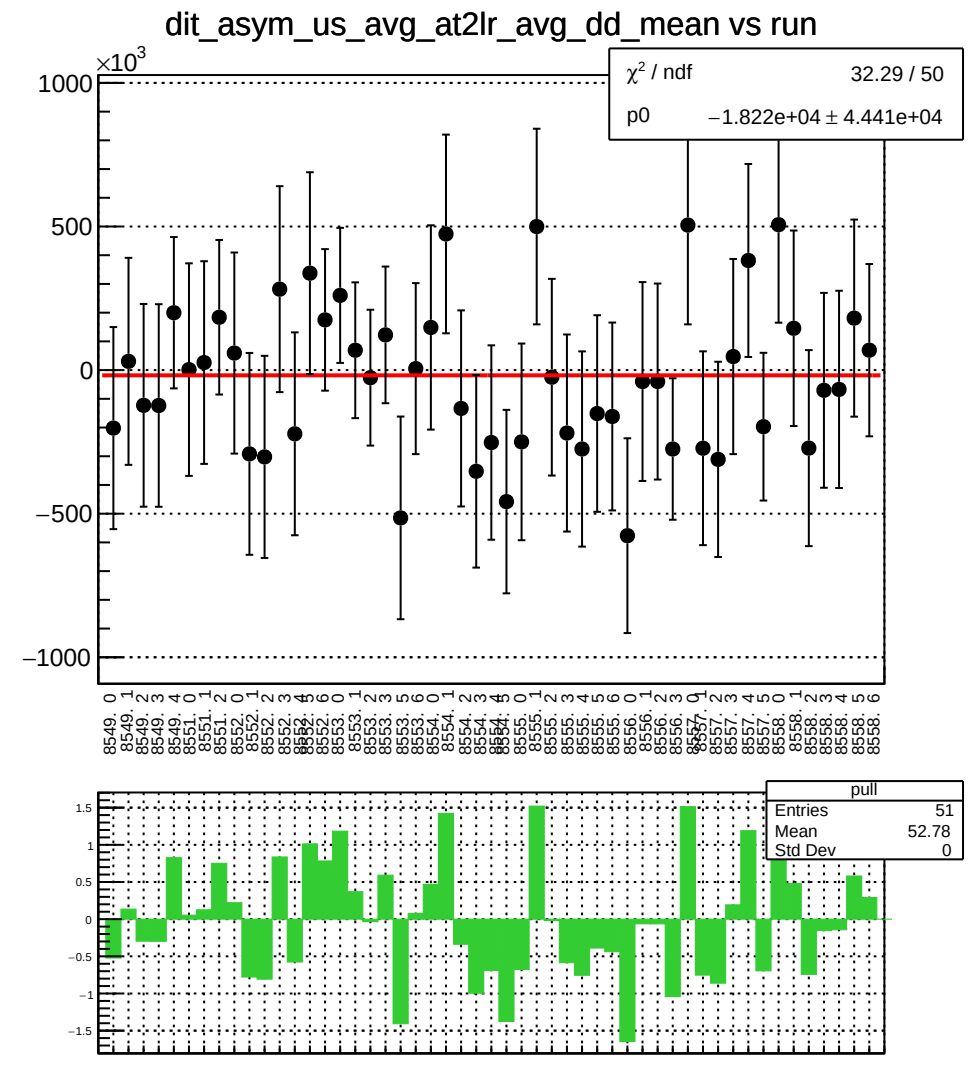
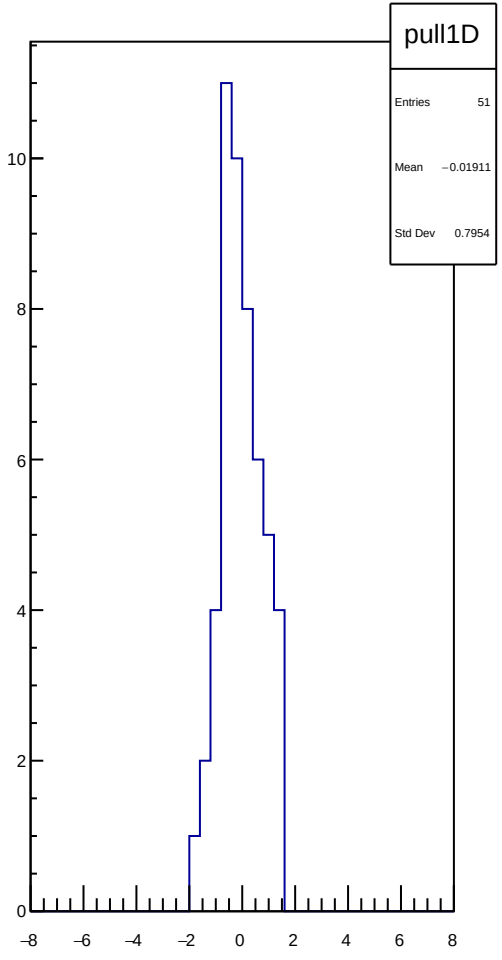
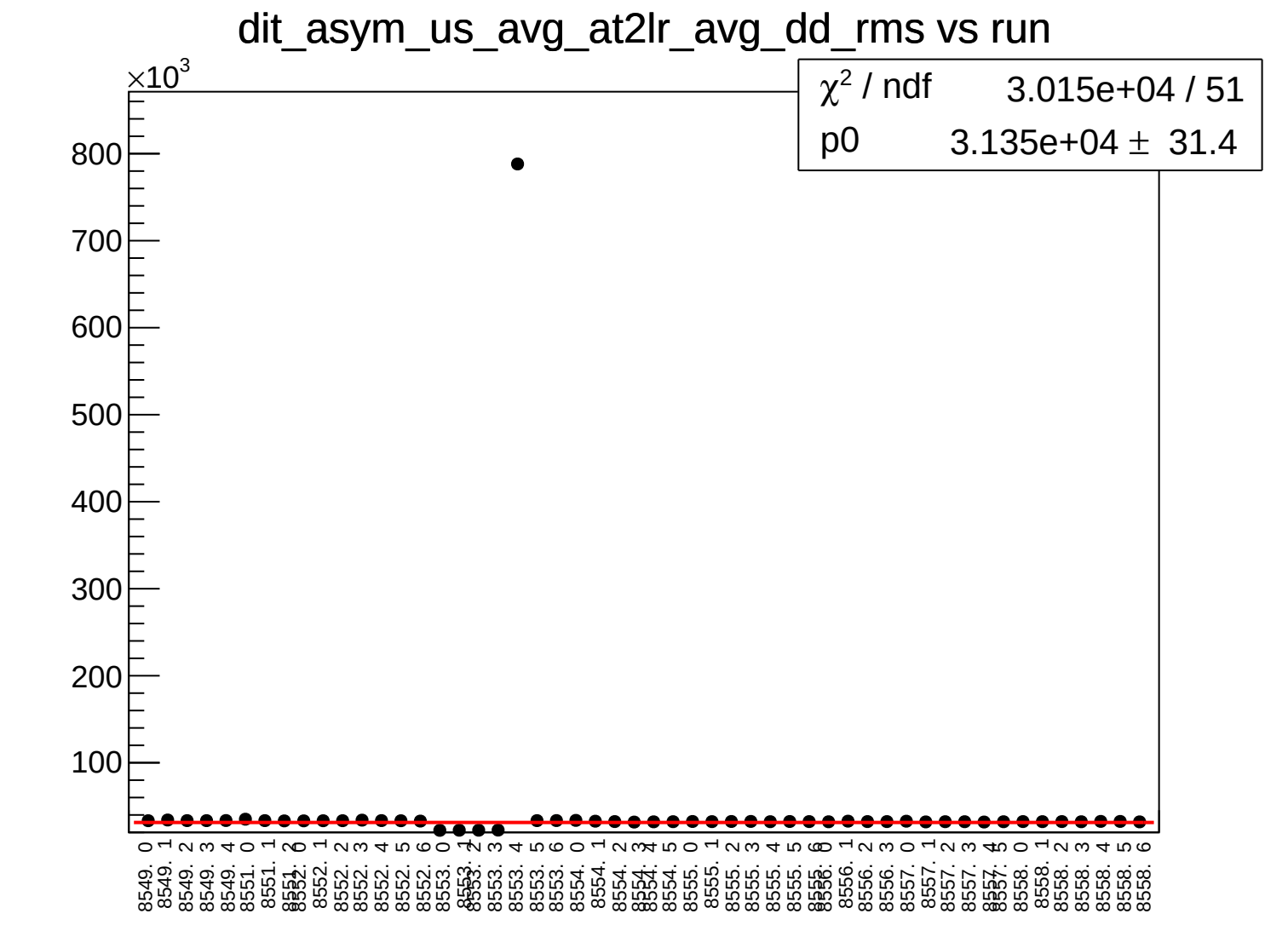
8558. 5
8558. 6


dit_asym_us_avg_at2lr_avg_dd_mean vs run
×10^3
χ² / ndf 32.29 / 50
p0 −1.822e+04 ± 4.441e+04
pull
Entries 51
Mean 52.78
Std Dev 0


pull1D
Entries 51
Mean −0.01911
Std Dev 0.7954


dit_asym_us_avg_at2lr_avg_dd_rms vs run
×10^3
800
700
600
500
400
300
200
100
χ² / ndf 3.015e+04 / 51
p0 3.135e+04 ± 31.4
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 0
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
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8556. 2
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8557. 0
8557. 1
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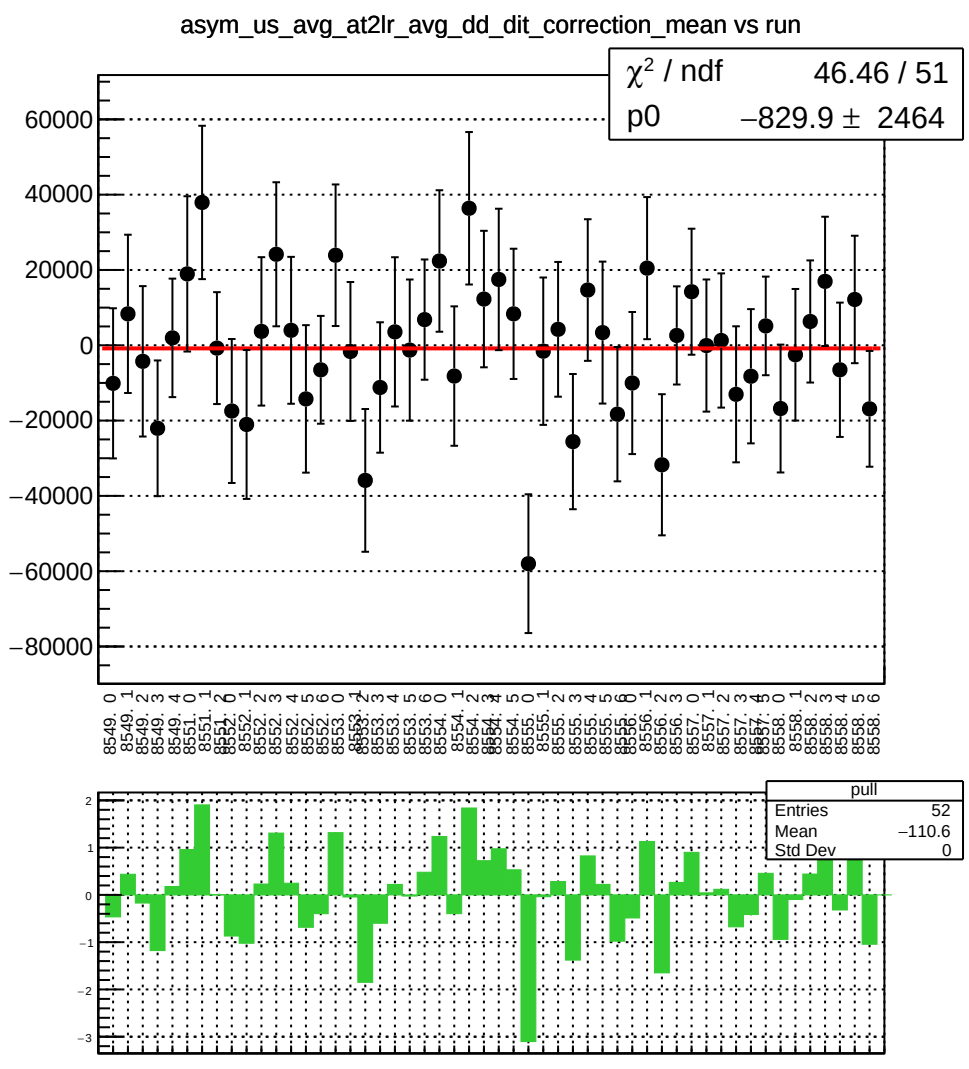
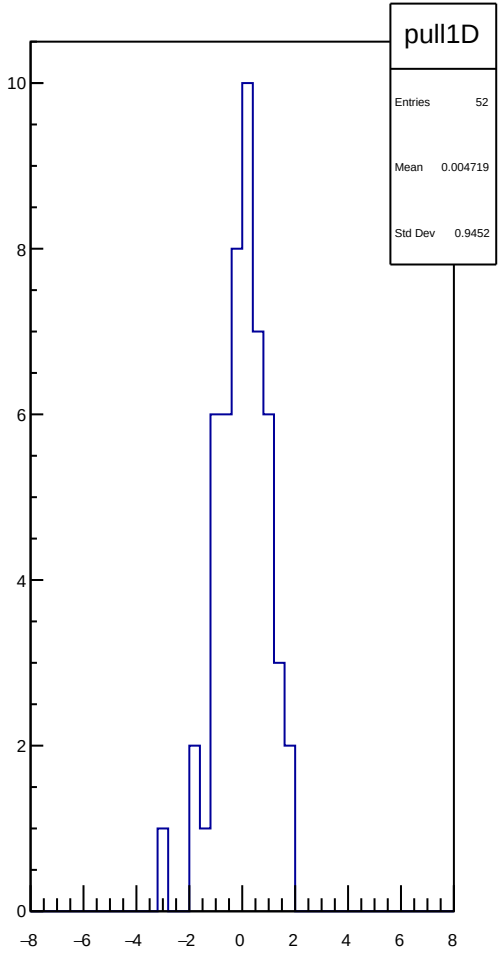
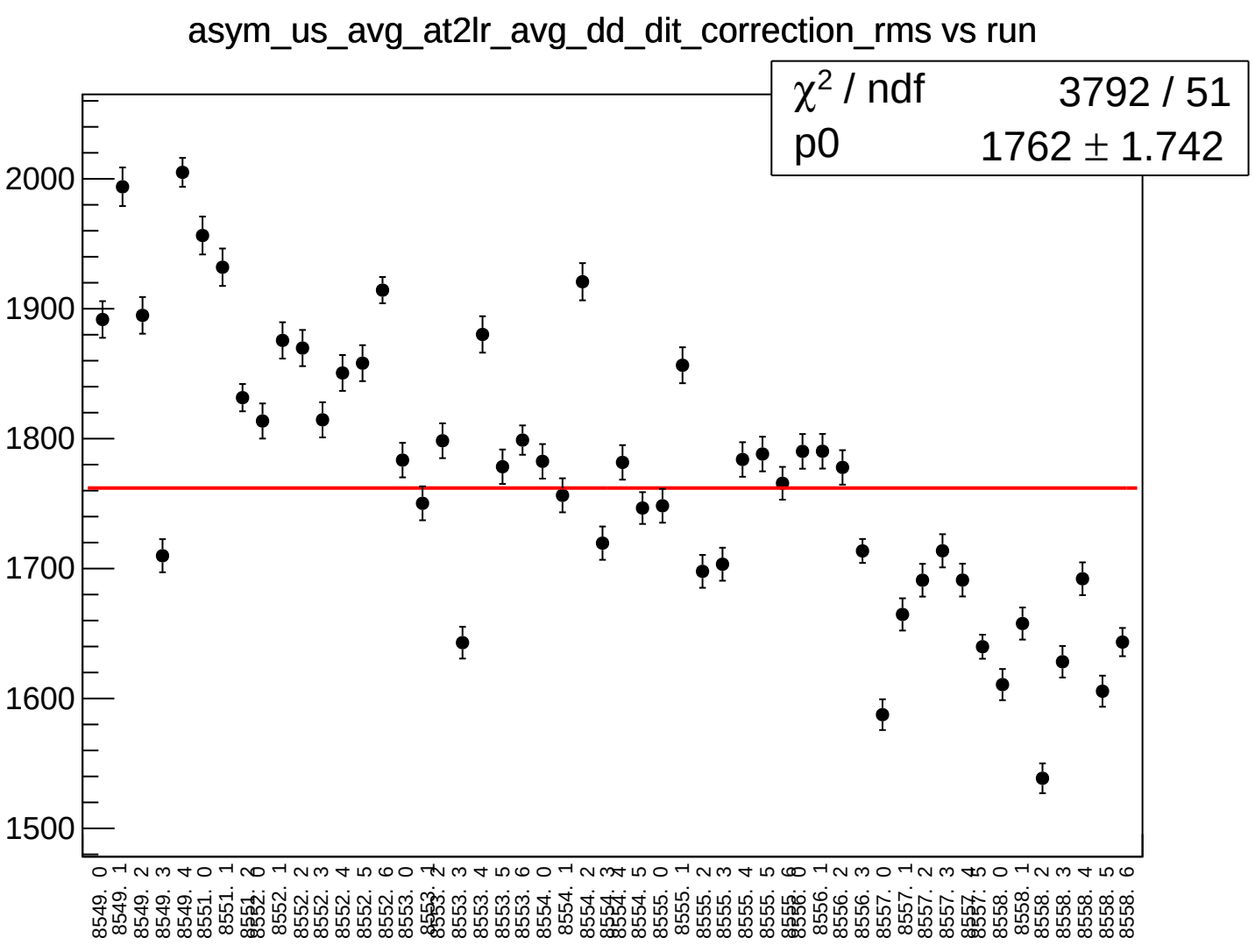
8558. 5
8558. 6


asym_us_avg_at2lr_avg_dd_dit_correction_mean vs run
χ² / ndf 46.46 / 51
p0 −829.9 ± 2464
pull
Entries 52
Mean −110.6
Std Dev 0


pull1D
Entries 52
Mean 0.004719
Std Dev 0.9452


asym_us_avg_at2lr_avg_dd_dit_correction_rms vs run
χ² / ndf 3792 / 51
p0 1762 ± 1.742
2000
1900
1800
1700
1600
1500
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 5
8555. 0
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8556. 1
8556. 2
8556. 3
8557. 0
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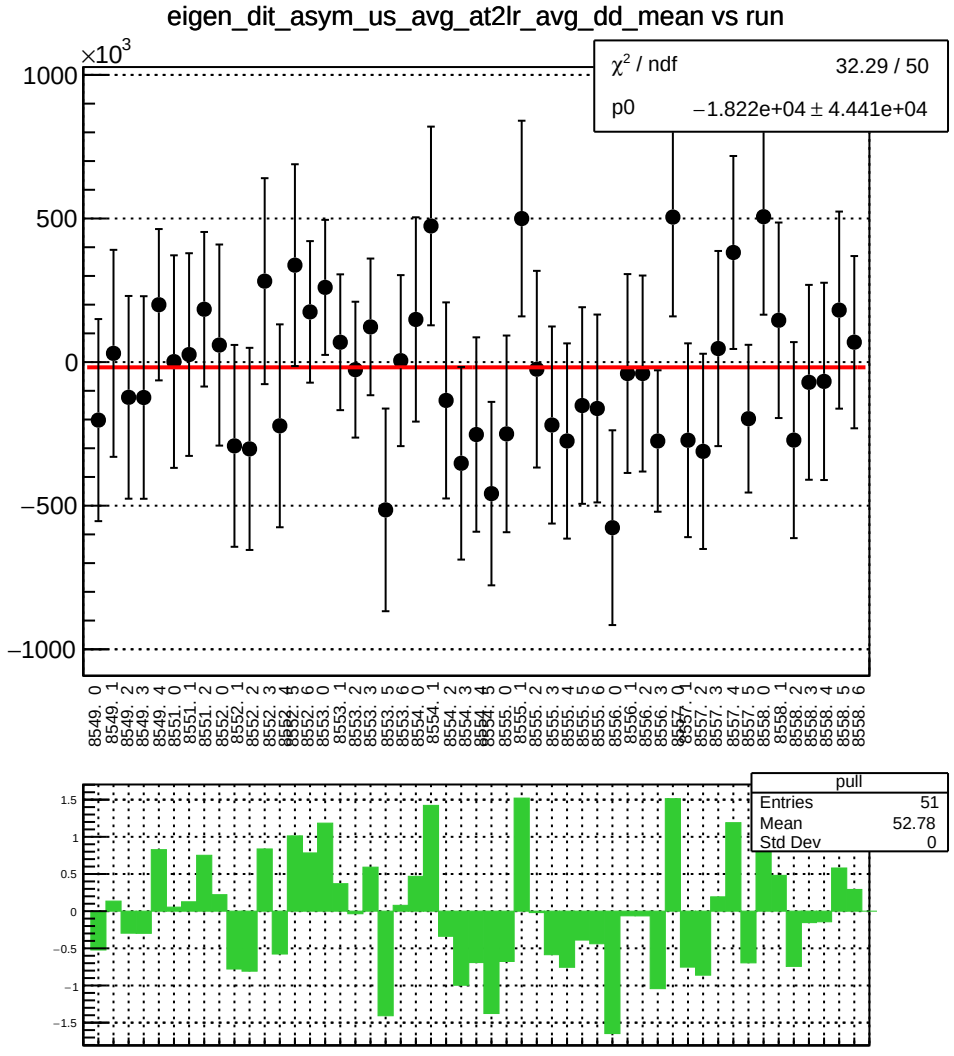
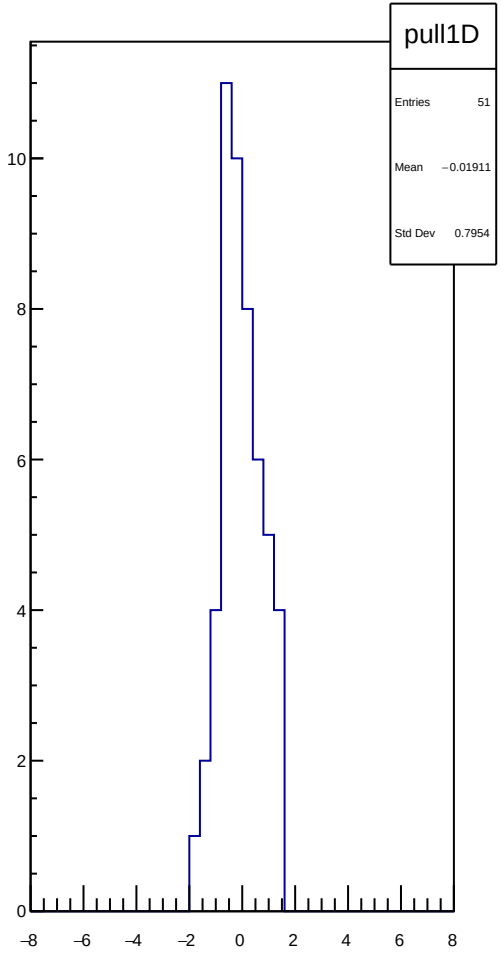
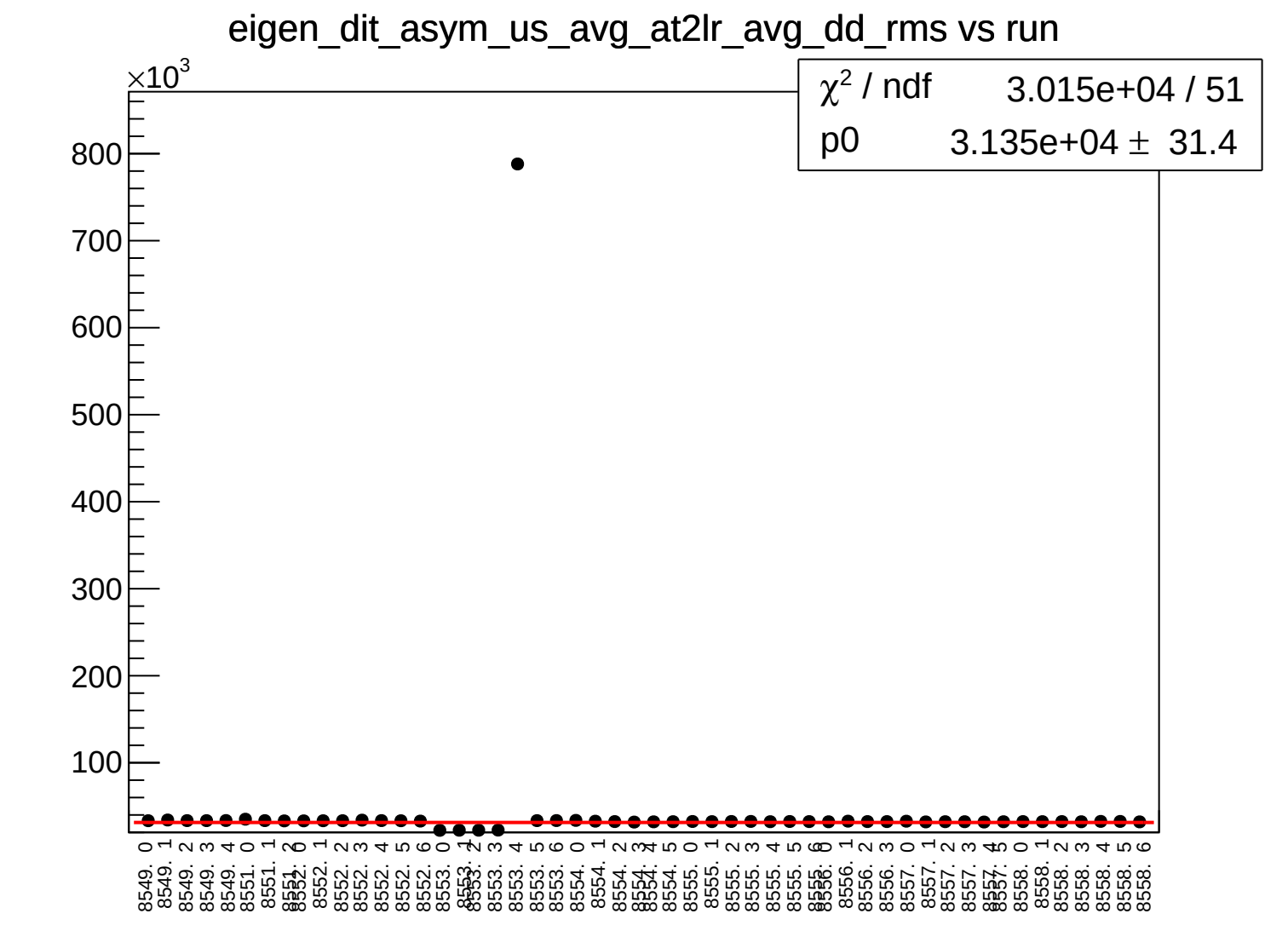
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6


eigen_dit_asym_us_avg_at2lr_avg_dd_mean vs run
×10^3
χ² / ndf 32.29 / 50
p0 −1.822e+04 ± 4.441e+04
pull
Entries 51
Mean 52.78
Std Dev 0


pull1D
Entries 51
Mean −0.01911
Std Dev 0.7954


eigen_dit_asym_us_avg_at2lr_avg_dd_rms vs run
×10^3
800
700
600
500
400
300
200
100
χ² / ndf 3.015e+04 / 51
p0 3.135e+04 ± 31.4
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
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8554. 1
8554. 2
8554. 5
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8555. 1
8555. 2
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8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
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8557. 3
8558. 0
8558. 1
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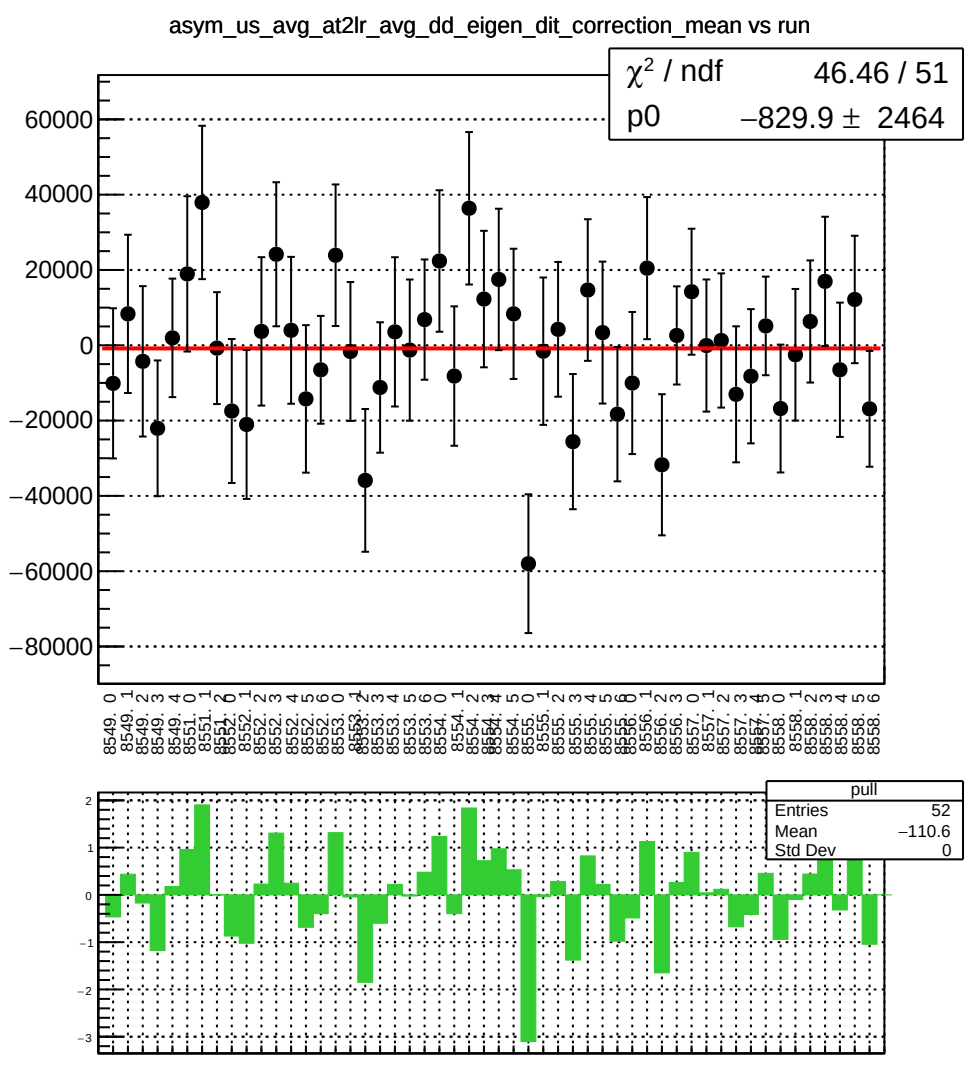
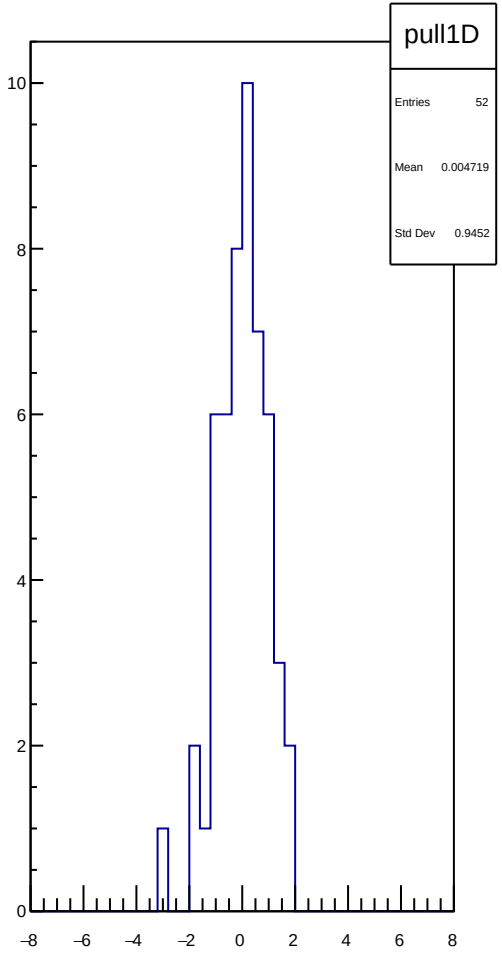
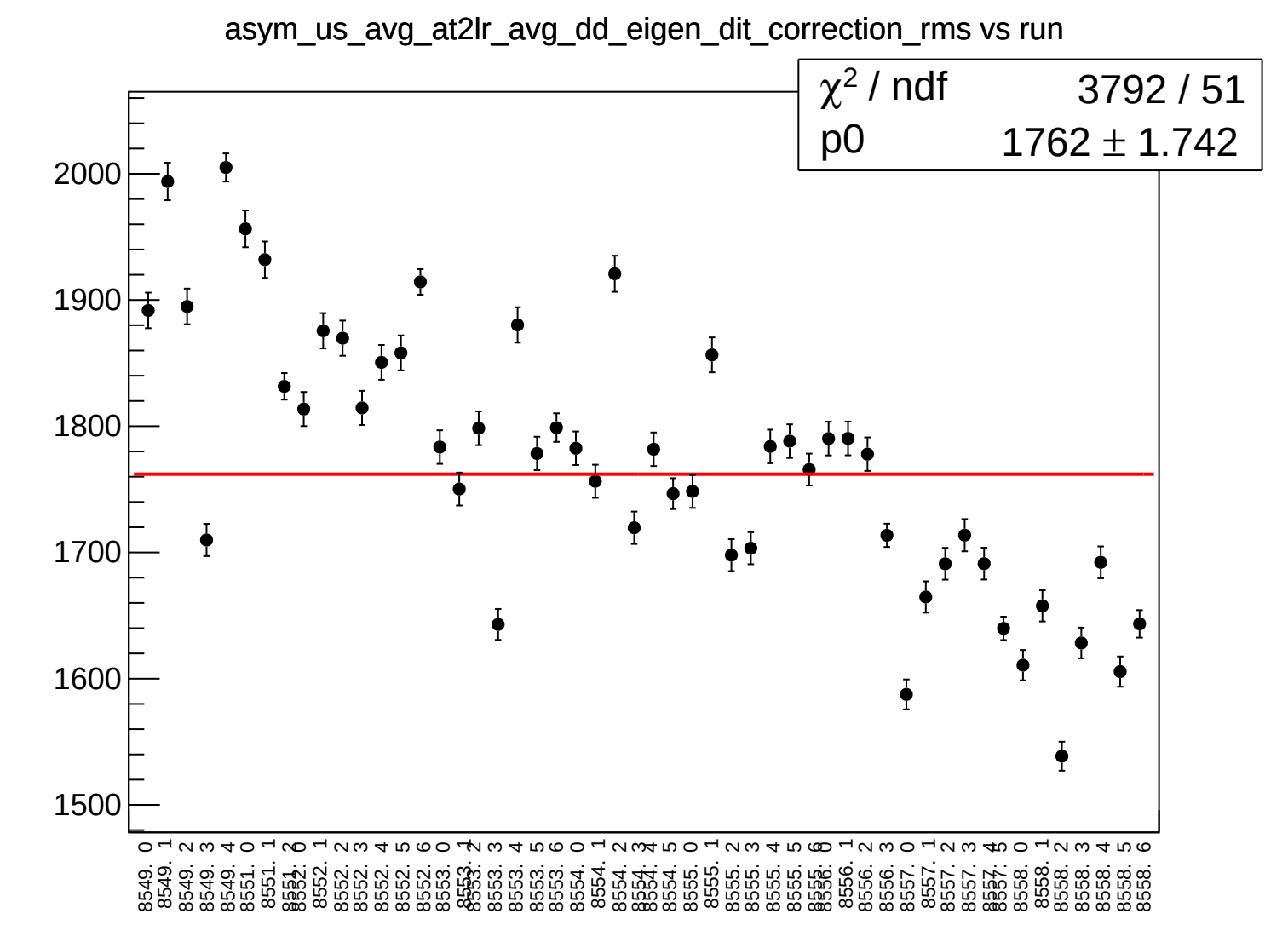
8558. 5
8558. 6


asym_us_avg_at2lr_avg_dd_eigen_dit_correction_mean vs run
χ² / ndf 46.46 / 51
p0 −829.9 ± 2464
pull
Entries 52
Mean −110.6
Std Dev 0


pull1D
Entries 52
Mean 0.004719
Std Dev 0.9452


asym_us_avg_at2lr_avg_dd_eigen_dit_correction_rms vs run
χ² / ndf 3792 / 51
p0 1762 ± 1.742
2000
1900
1800
1700
1600
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8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
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8553. 0
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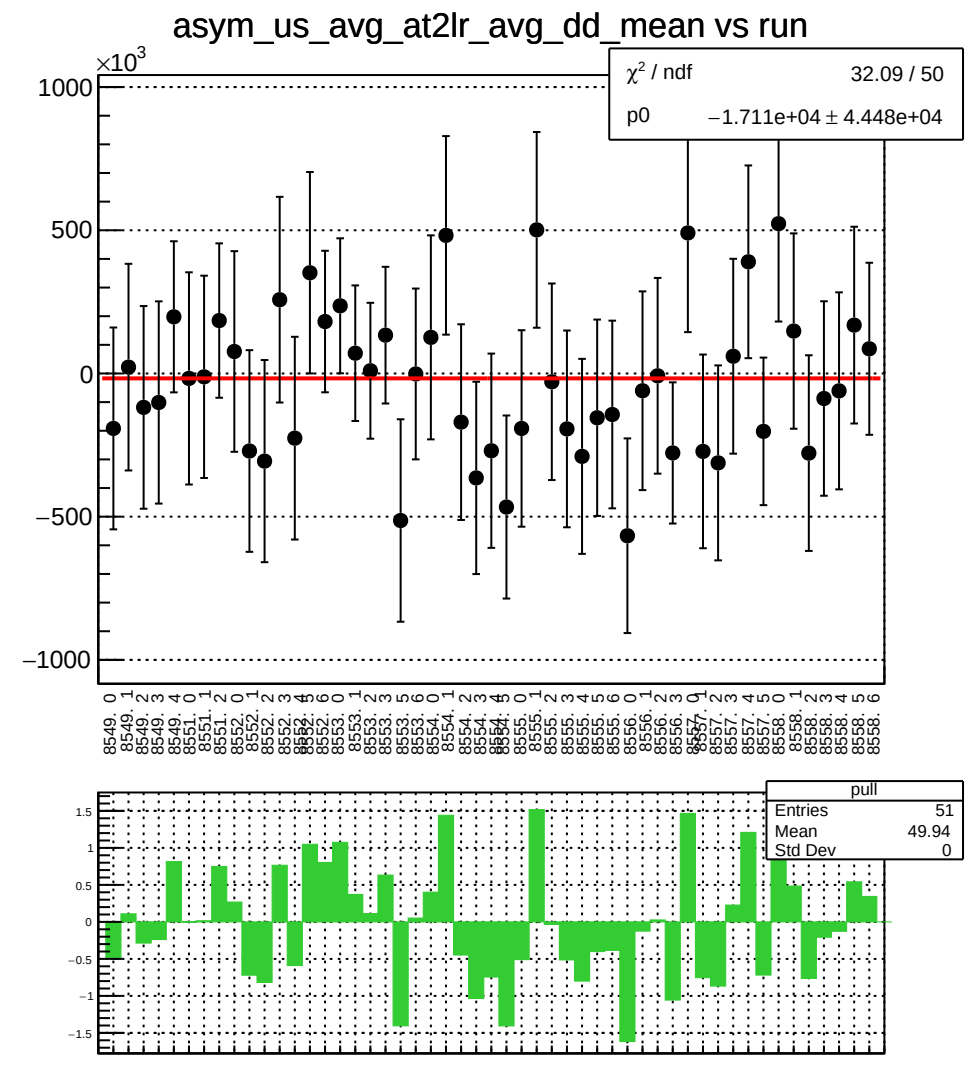
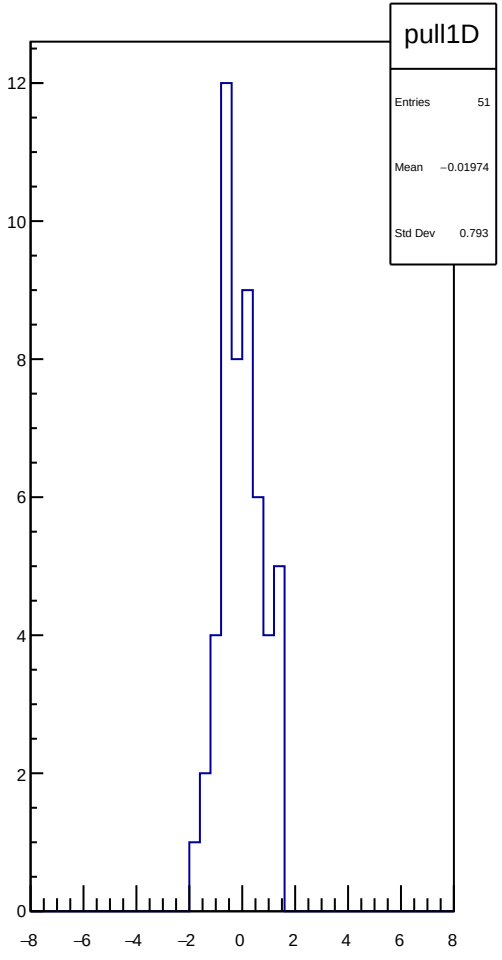
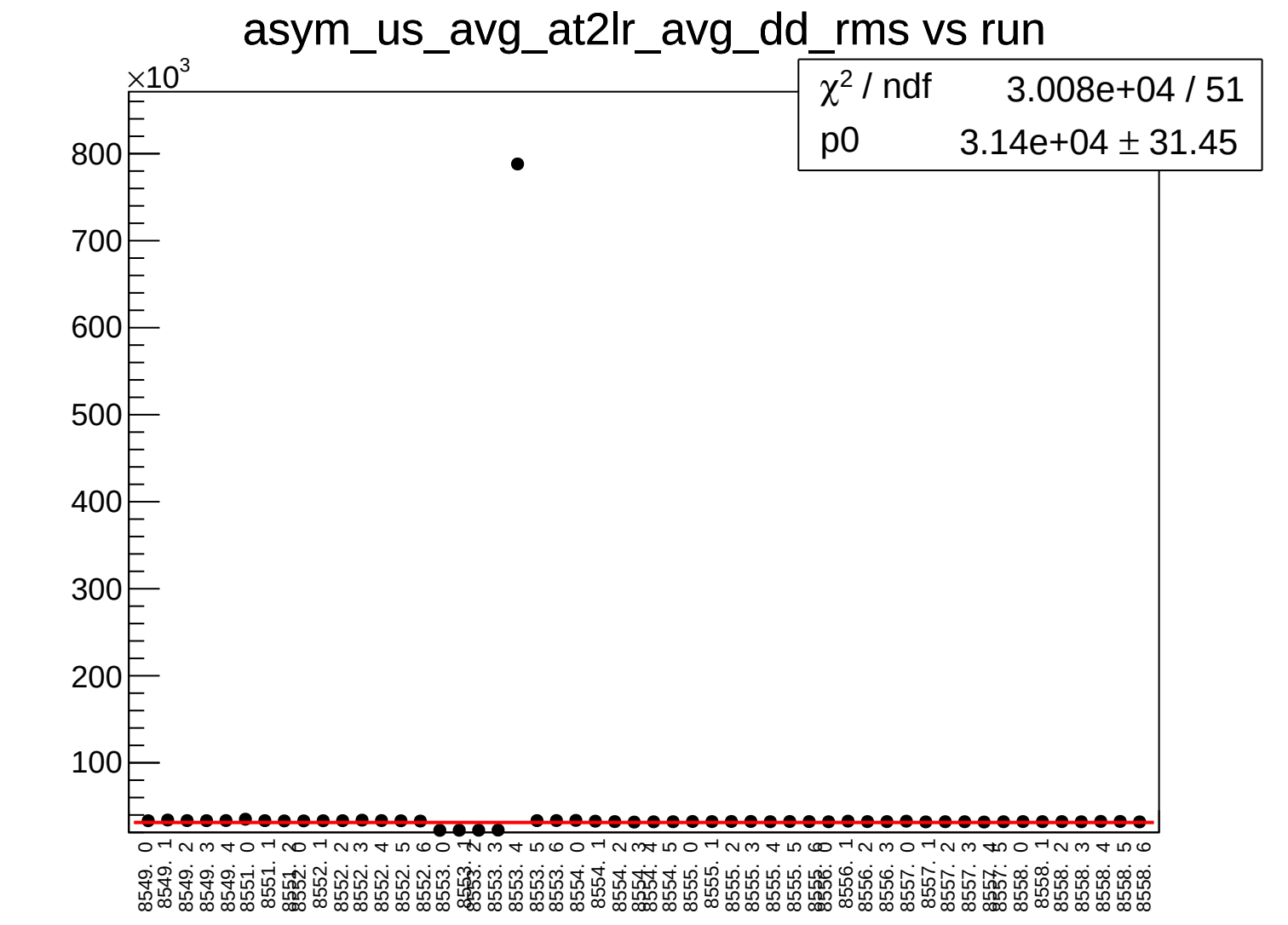
8558. 5
8558. 6


asym_us_avg_at2lr_avg_dd_mean vs run
×10^3
χ² / ndf 32.09 / 50
p0 −1.711e+04 ± 4.448e+04
pull
Entries 51
Mean 49.94
Std Dev 0


pull1D
Entries 51
Mean −0.01974
Std Dev 0.793


asym_us_avg_at2lr_avg_dd_rms vs run
×10^3
800
700
600
500
400
300
200
100
χ² / ndf 3.008e+04 / 51
p0 3.14e+04 ± 31.45
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 0
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
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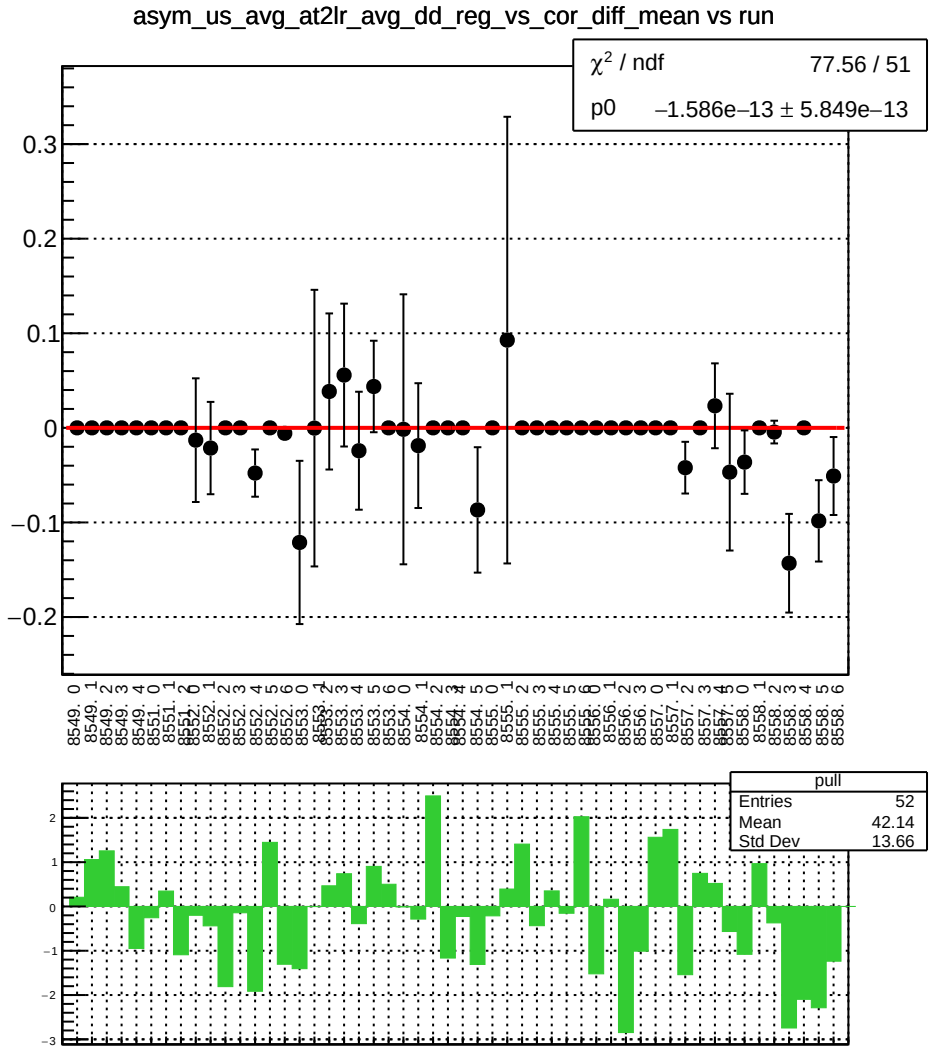
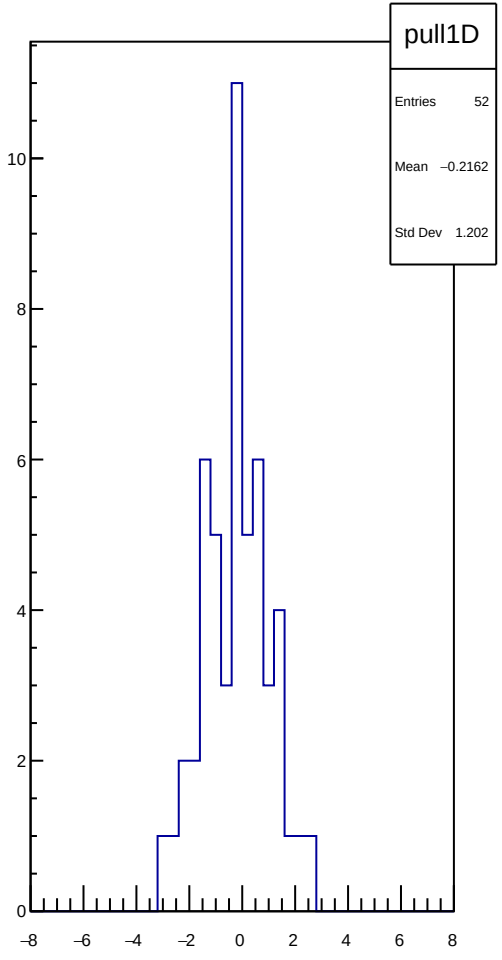
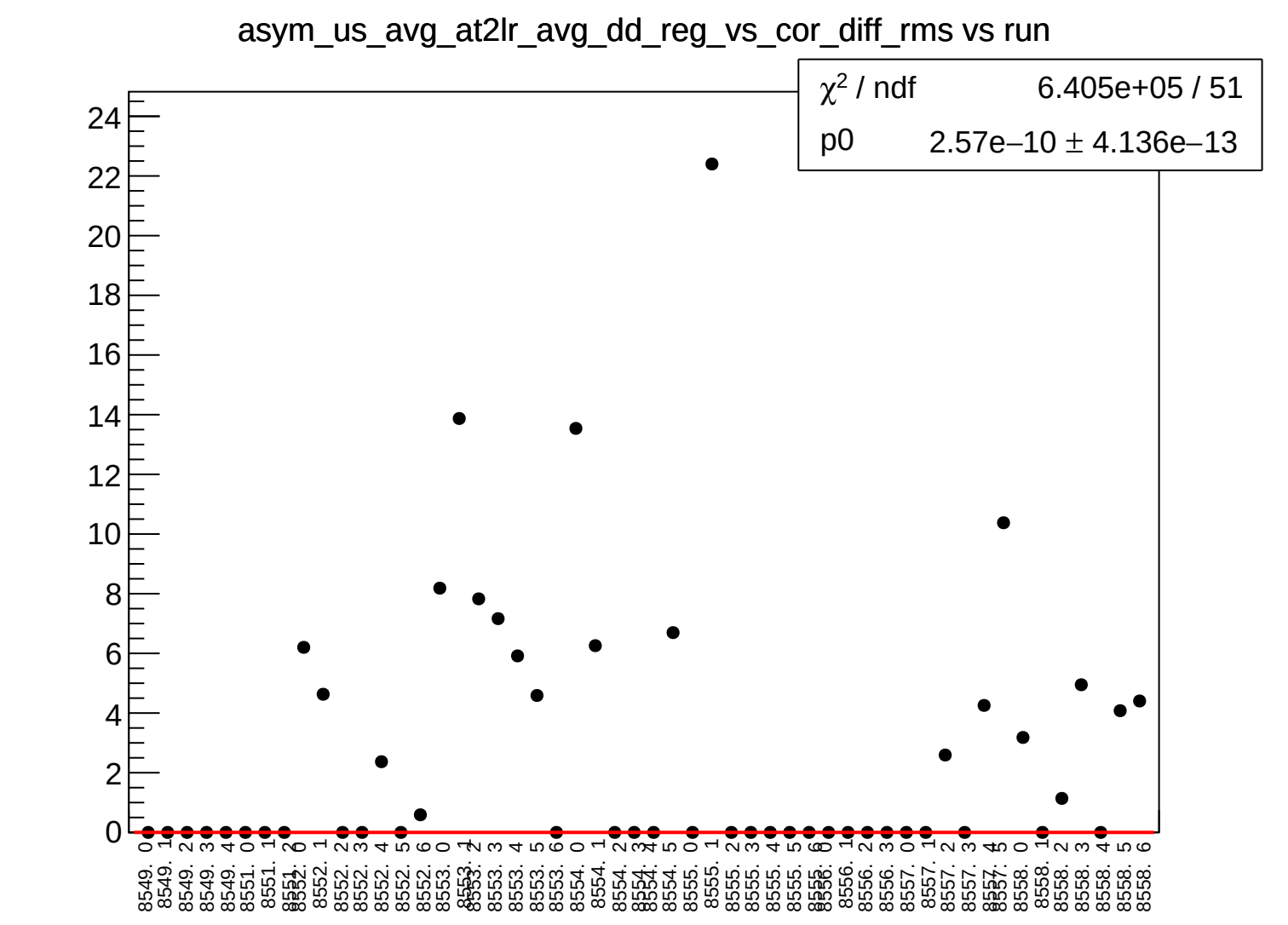
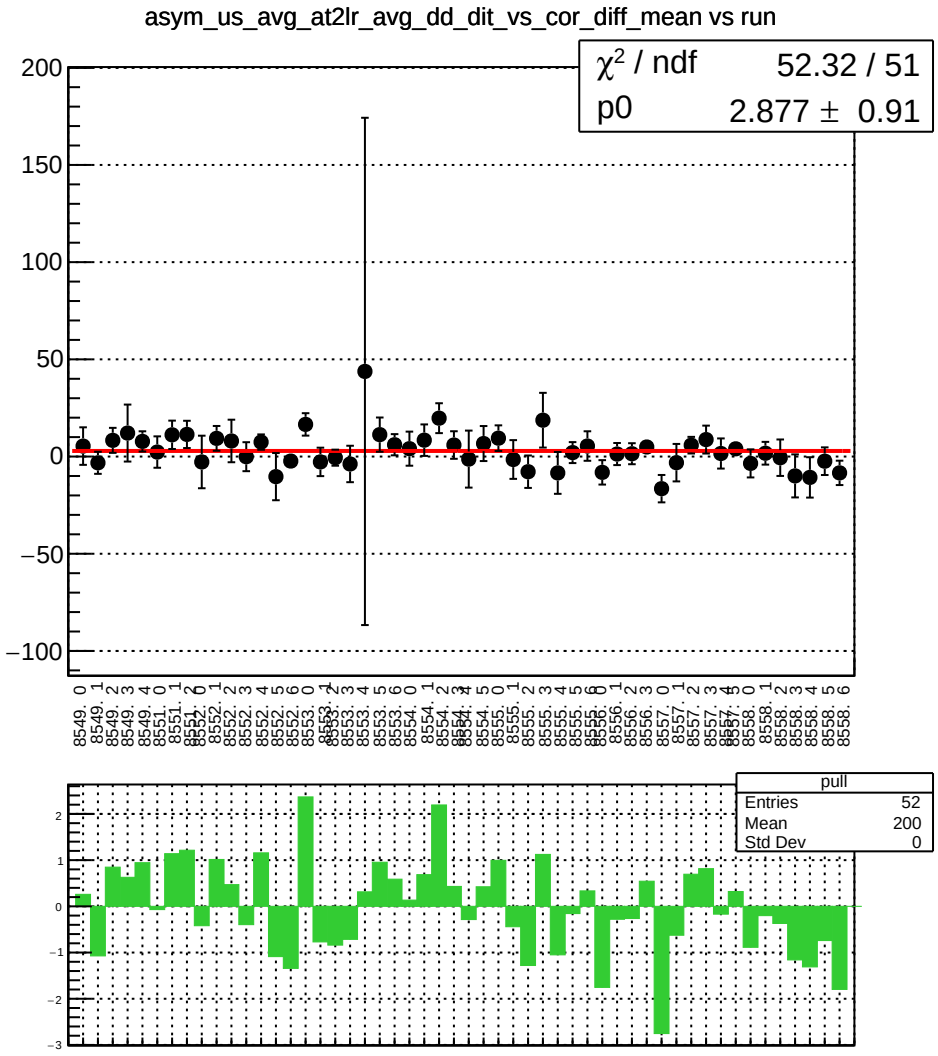
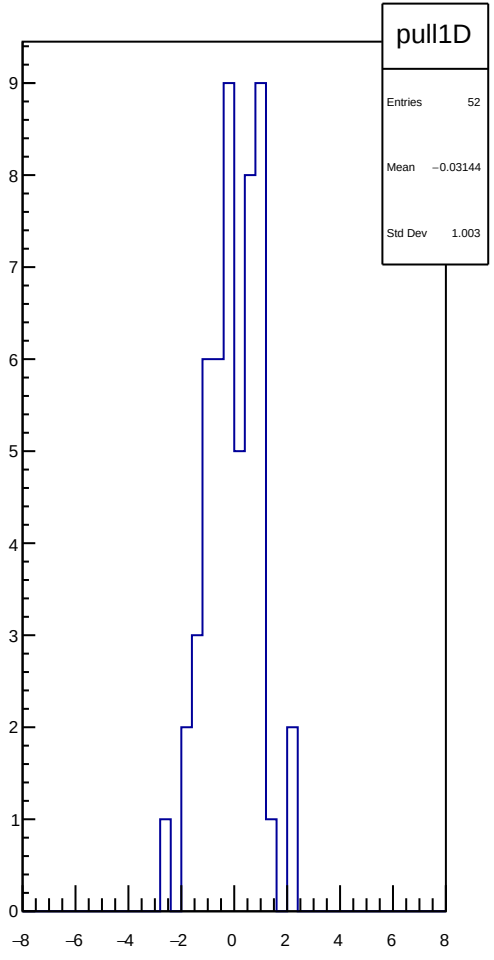
8558. 6

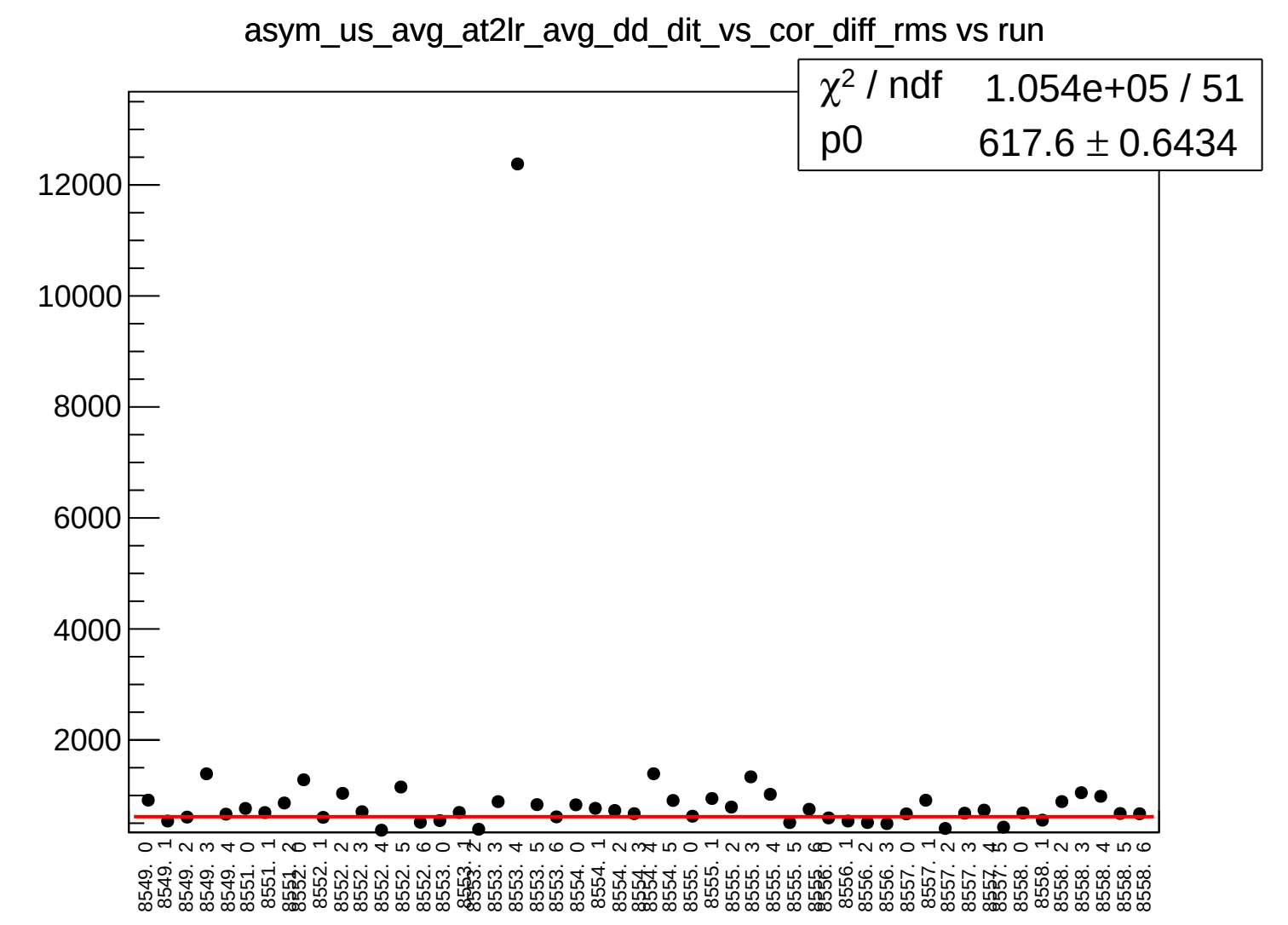

asym_us_avg_at2lr_avg_dd_reg_vs_cor_diff_mean vs run
χ² / ndf 77.56 / 51
p0 −1.586e−13 ± 5.849e−13
pull
Entries 52
Mean 42.14
Std Dev 13.66


pull1D
Entries 52
Mean −0.2162
Std Dev 1.202


asym_us_avg_at2lr_avg_dd_reg_vs_cor_diff_rms vs run
χ² / ndf 6.405e+05 / 51
p0 2.57e−10 ± 4.136e−13
0
2
4
6
8
10
12
14
16
18
20
22
24
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 0
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 1
8553. 2
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 3
8554. 4
8554. 5
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8555. 6
8556. 0
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8557. 4
8557. 5
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6


asym_us_avg_at2lr_avg_dd_dit_vs_cor_diff_mean vs run
χ² / ndf 52.32 / 51
p0 2.877 ± 0.91
pull
Entries 52
Mean 200
Std Dev 0


pull1D
Entries 52
Mean −0.03144
Std Dev 1.003


asym_us_avg_at2lr_avg_dd_dit_vs_cor_diff_rms vs run
χ² / ndf 1.054e+05 / 51
p0 617.6 ± 0.6434
12000
10000
8000
6000
4000
2000
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 5
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
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8557. 3
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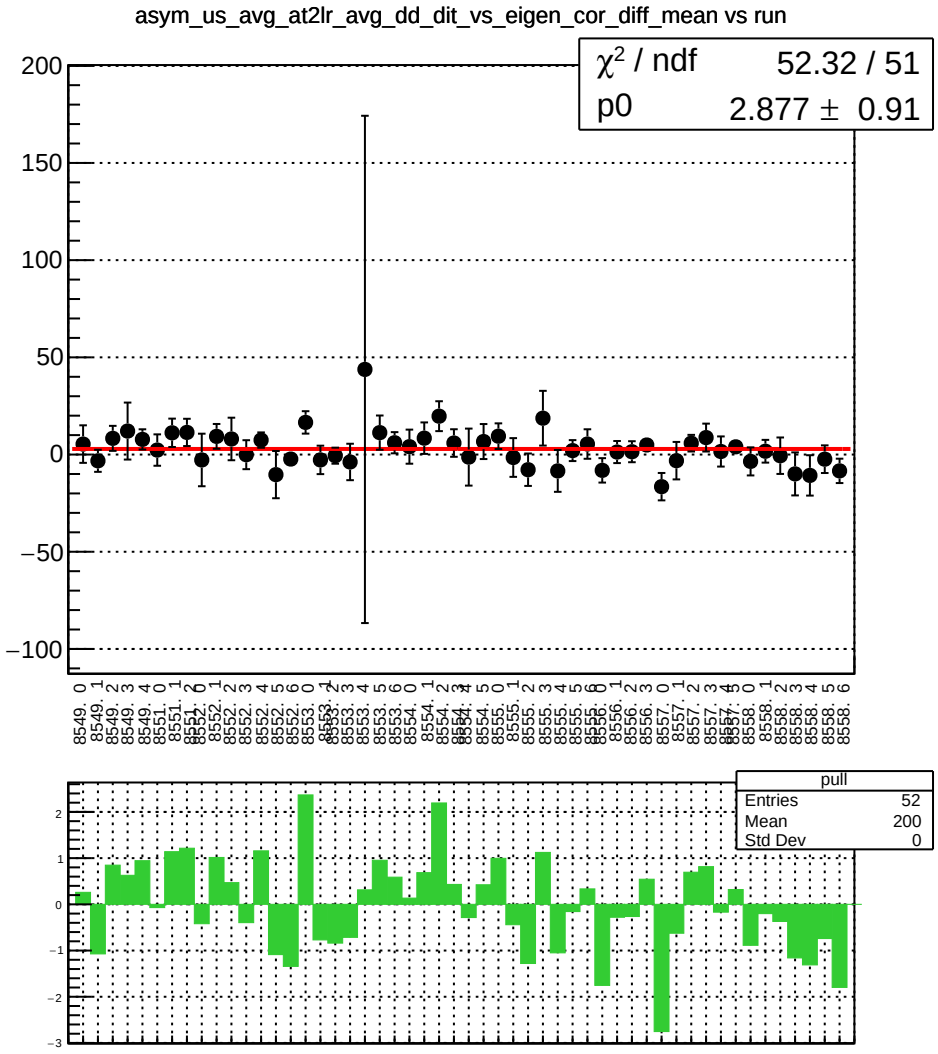
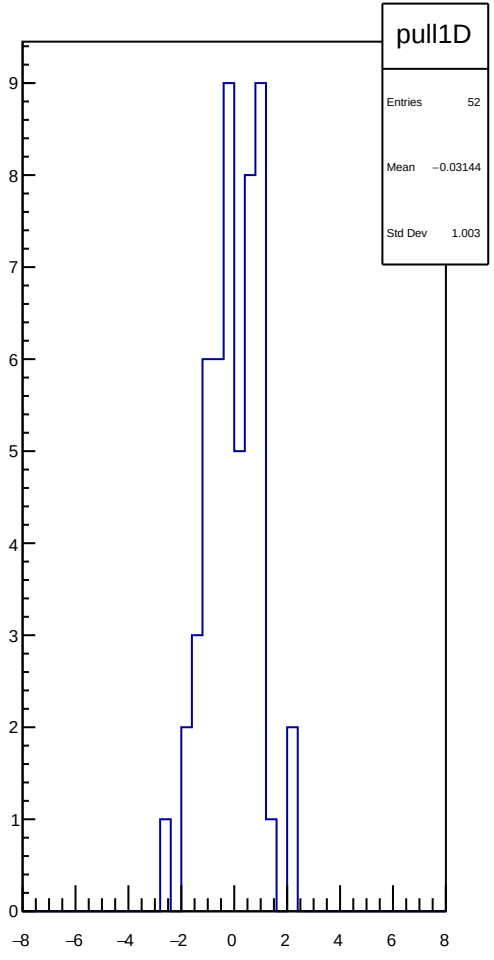
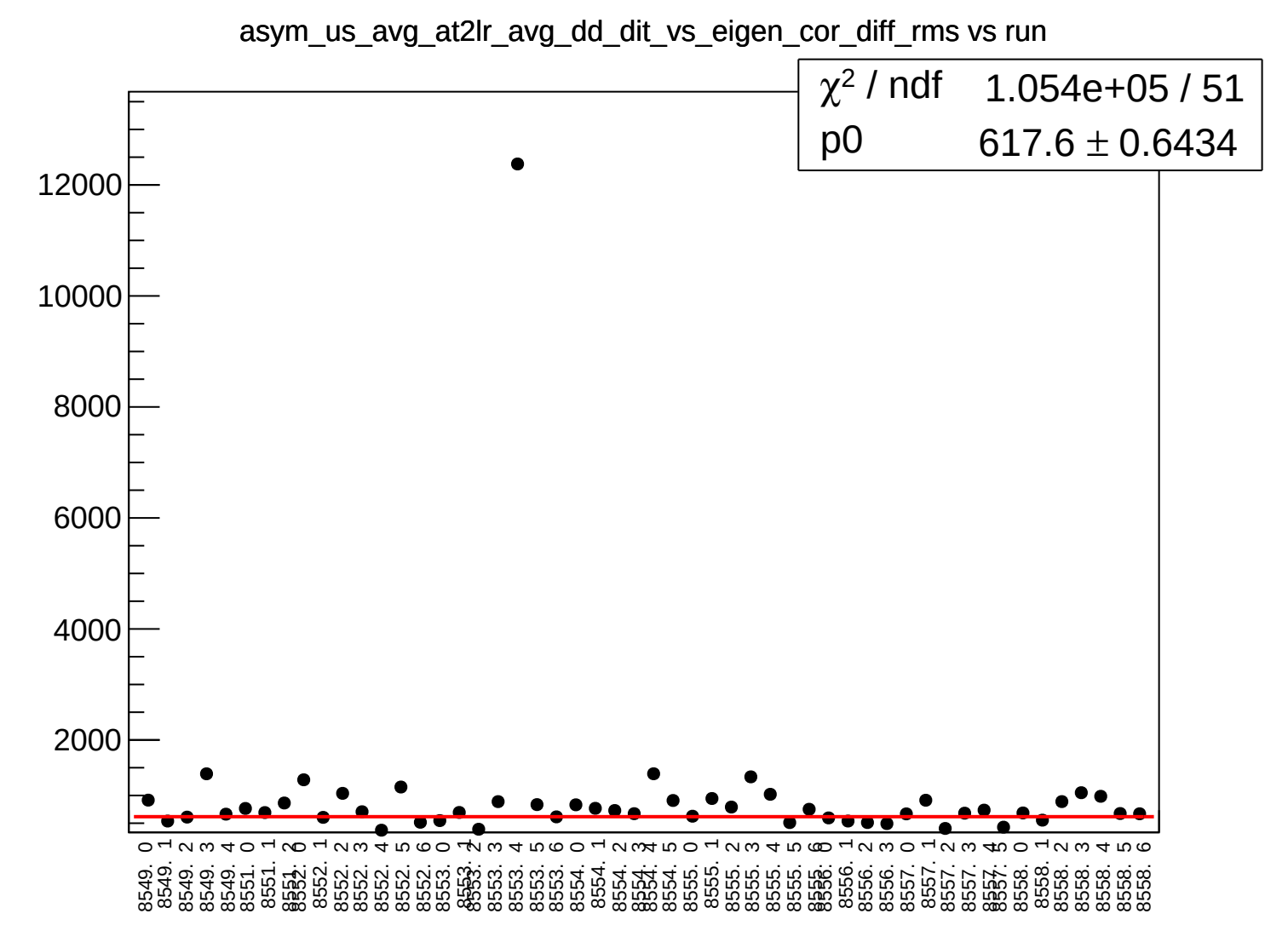
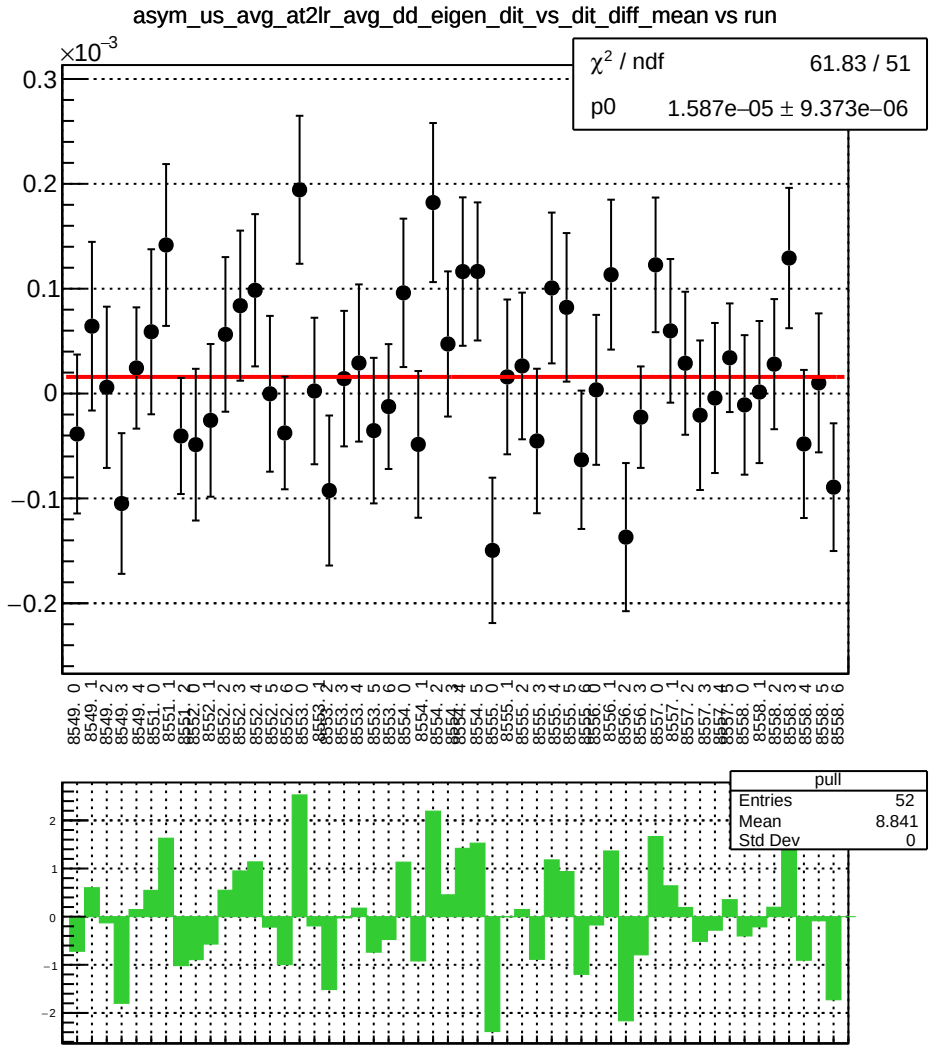
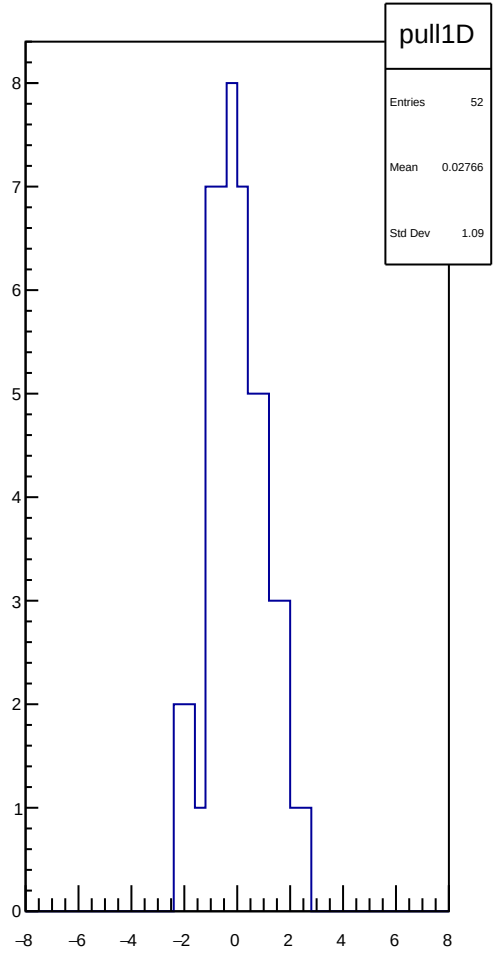
8558. 5
8558. 6

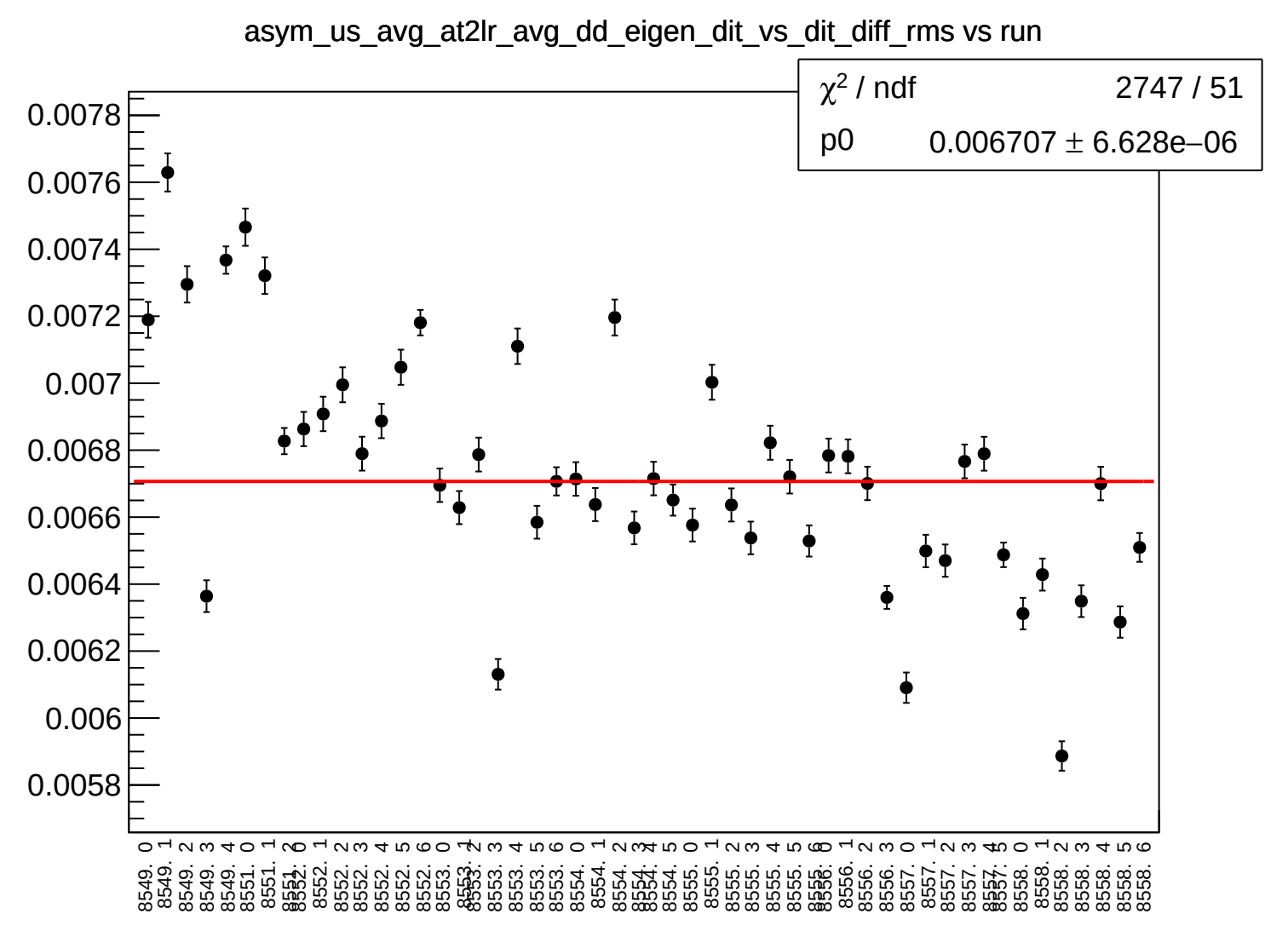

asym_us_avg_at2lr_avg_dd_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 52.32 / 51
p0 2.877 ± 0.91
pull
Entries 52
Mean 200
Std Dev 0

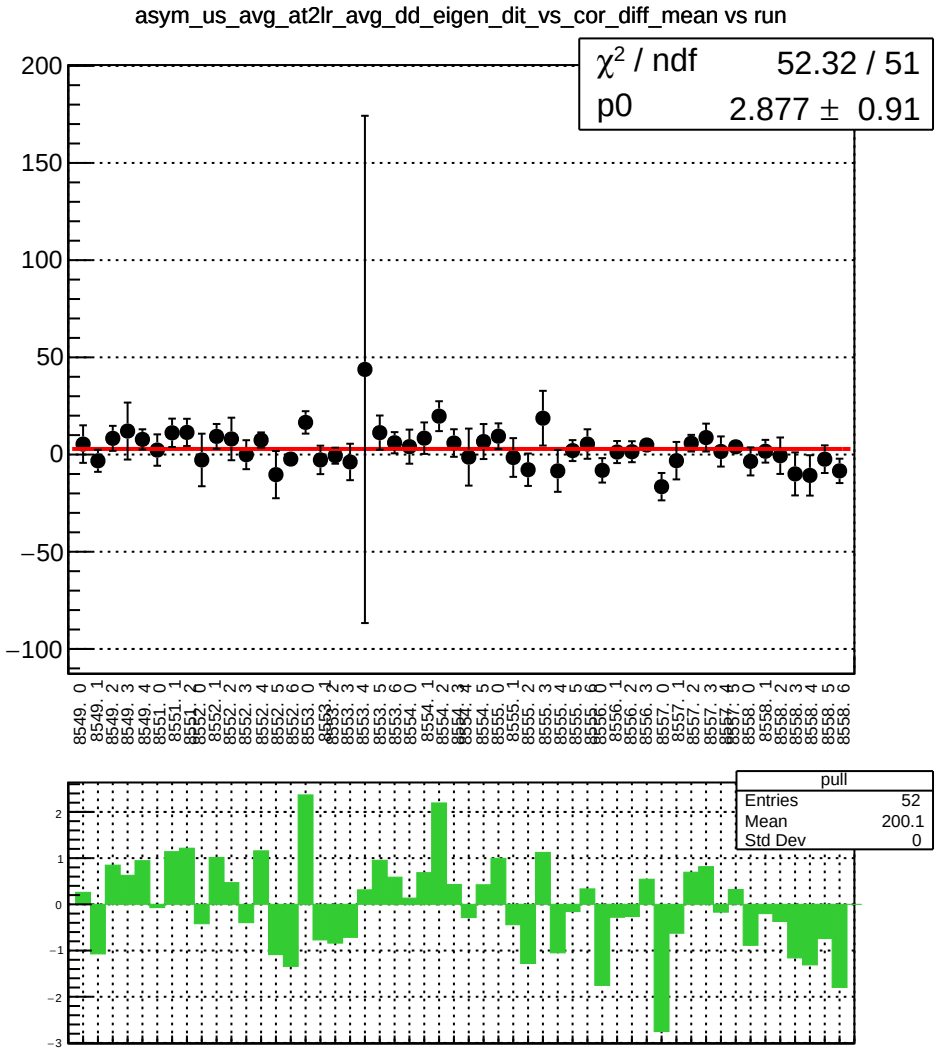

pull1D
Entries 52
Mean −0.03144
Std Dev 1.003

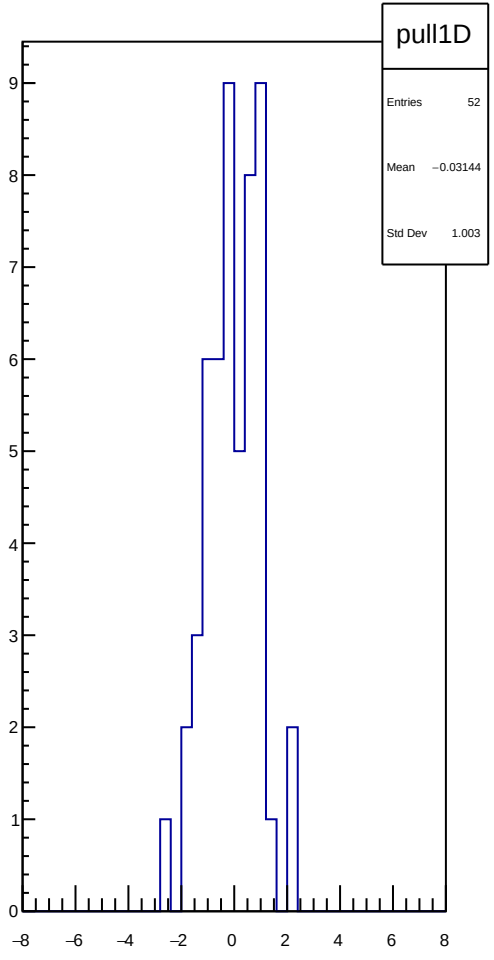

asym_us_avg_at2lr_avg_dd_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.054e+05 / 51
p0 617.6 ± 0.6434
12000
10000
8000
6000
4000
2000
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

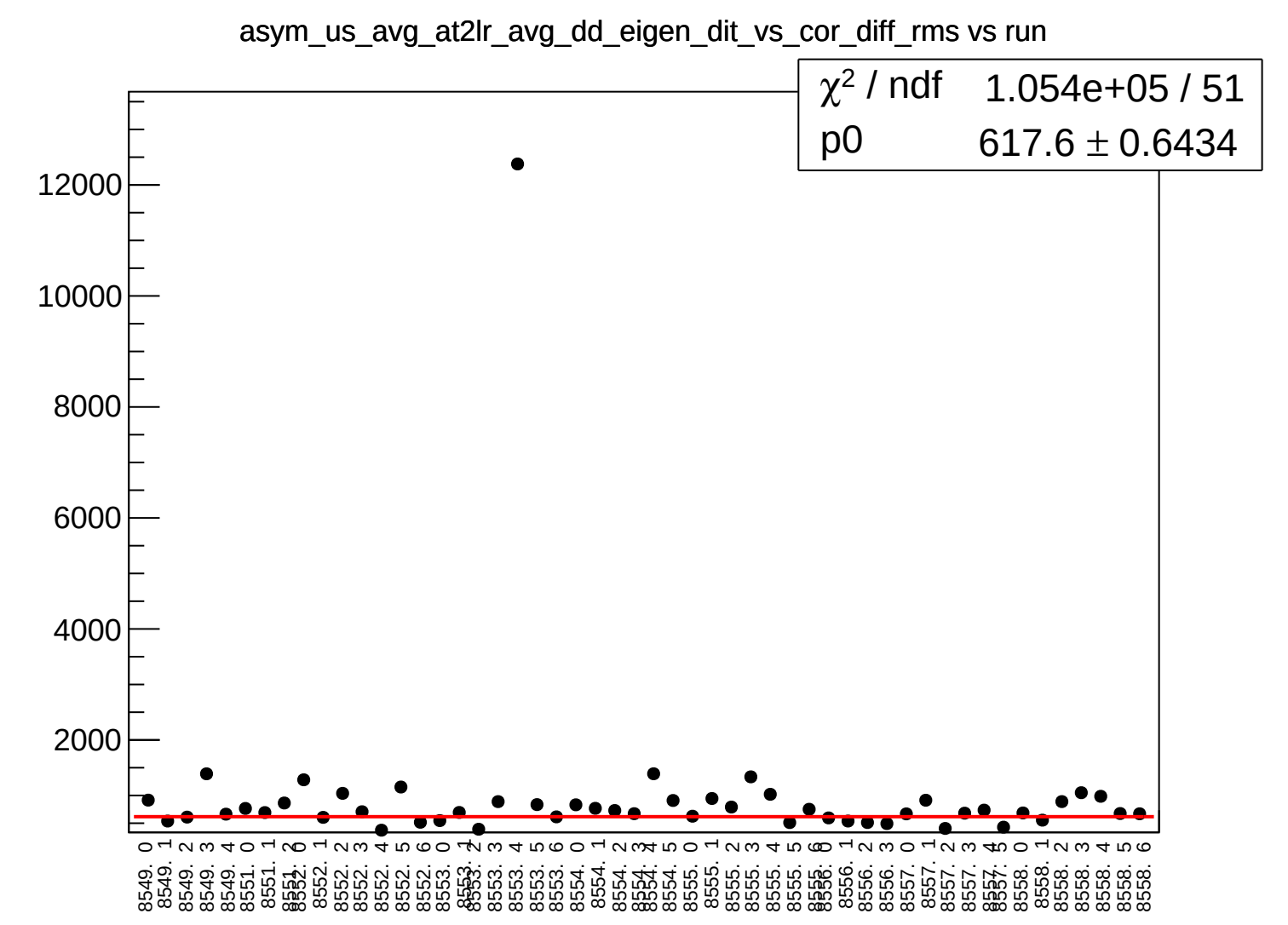

asym_us_avg_at2lr_avg_dd_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 61.83 / 51
p0 1.587e−05 ± 9.373e−06
pull
Entries 52
Mean 8.841
Std Dev 0

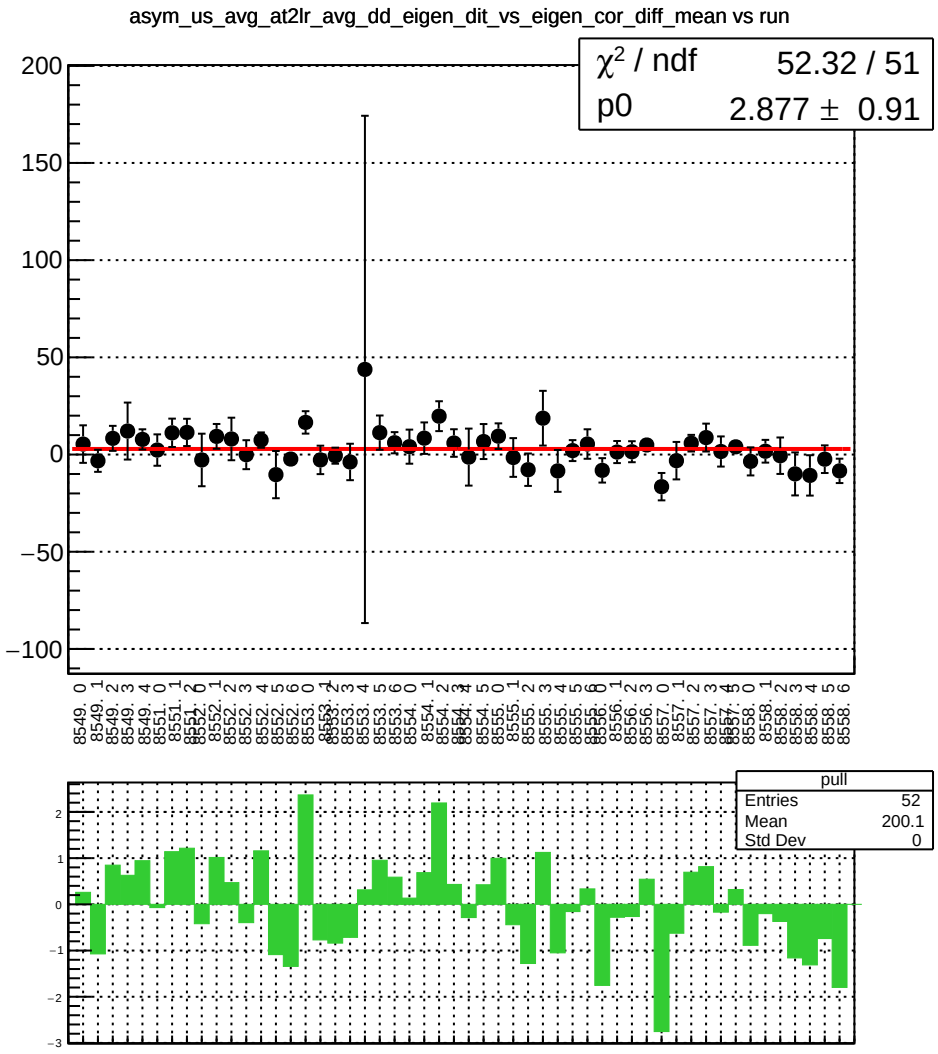

pull1D
Entries 52
Mean 0.02766
Std Dev 1.09

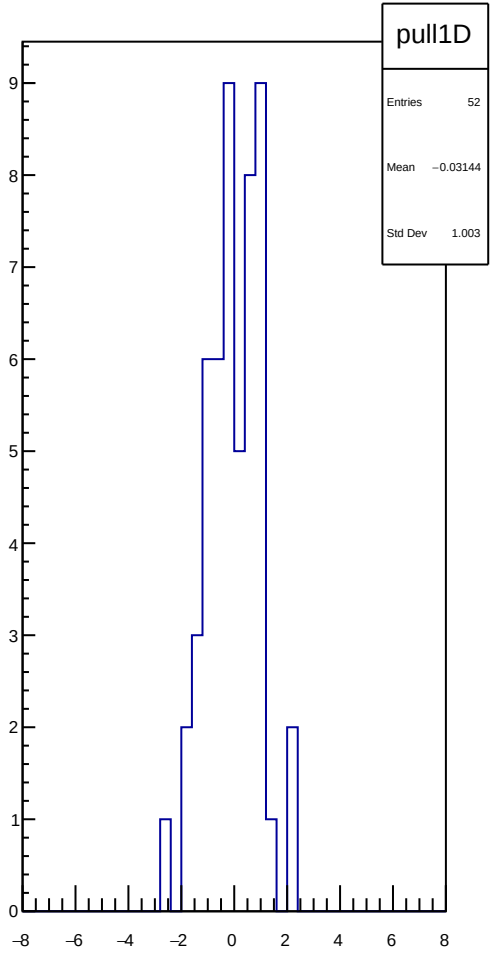

asym_us_avg_at2lr_avg_dd_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 2747 / 51
p0 0.006707 ± 6.628e−06
0.0078
0.0076
0.0074
0.0072
0.007
0.0068
0.0066
0.0064
0.0062
0.006
0.0058
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 5
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

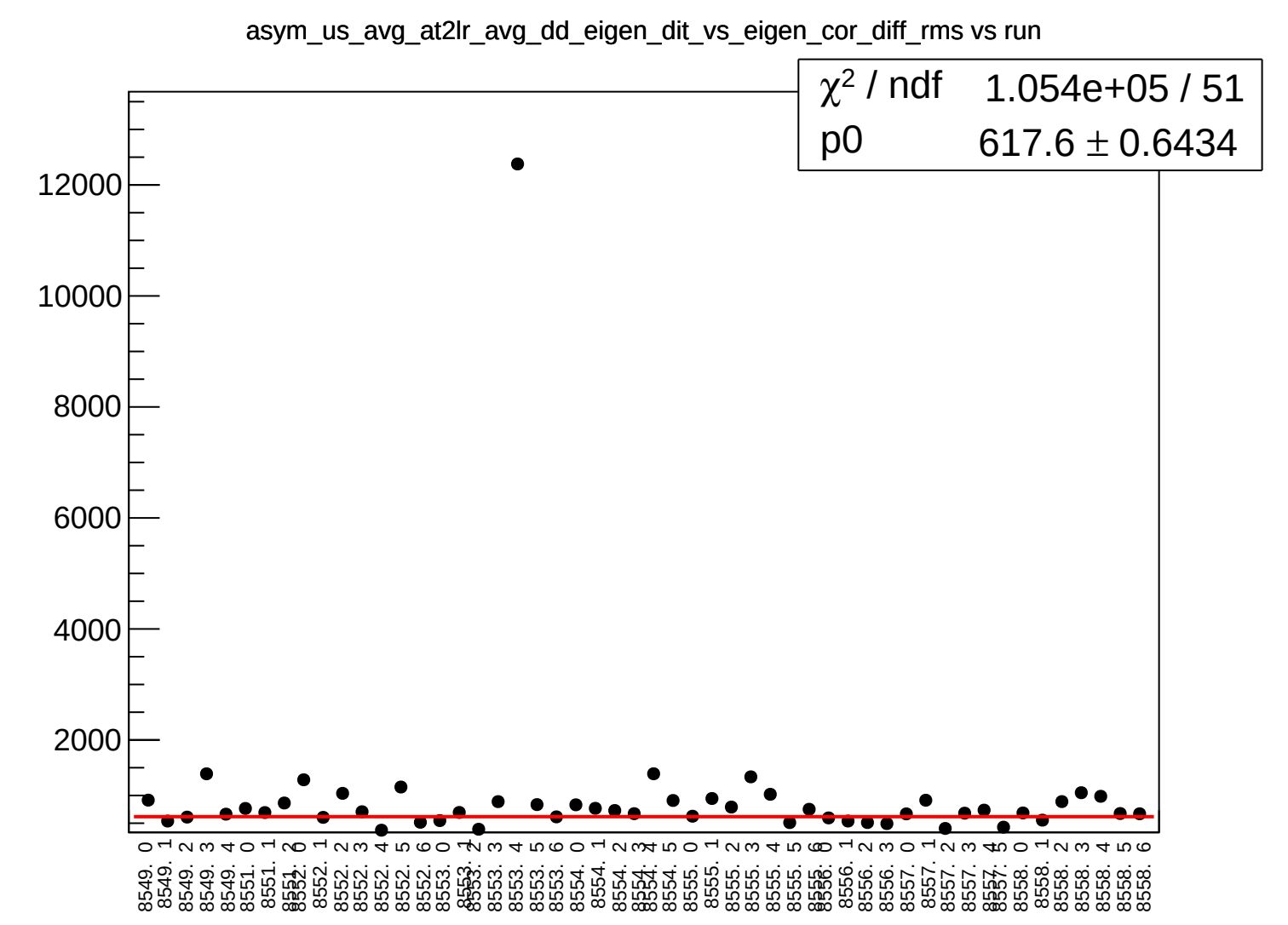

asym_us_avg_at2lr_avg_dd_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 52.32 / 51
p0 2.877 ± 0.91
pull
Entries 52
Mean 200.1
Std Dev 0

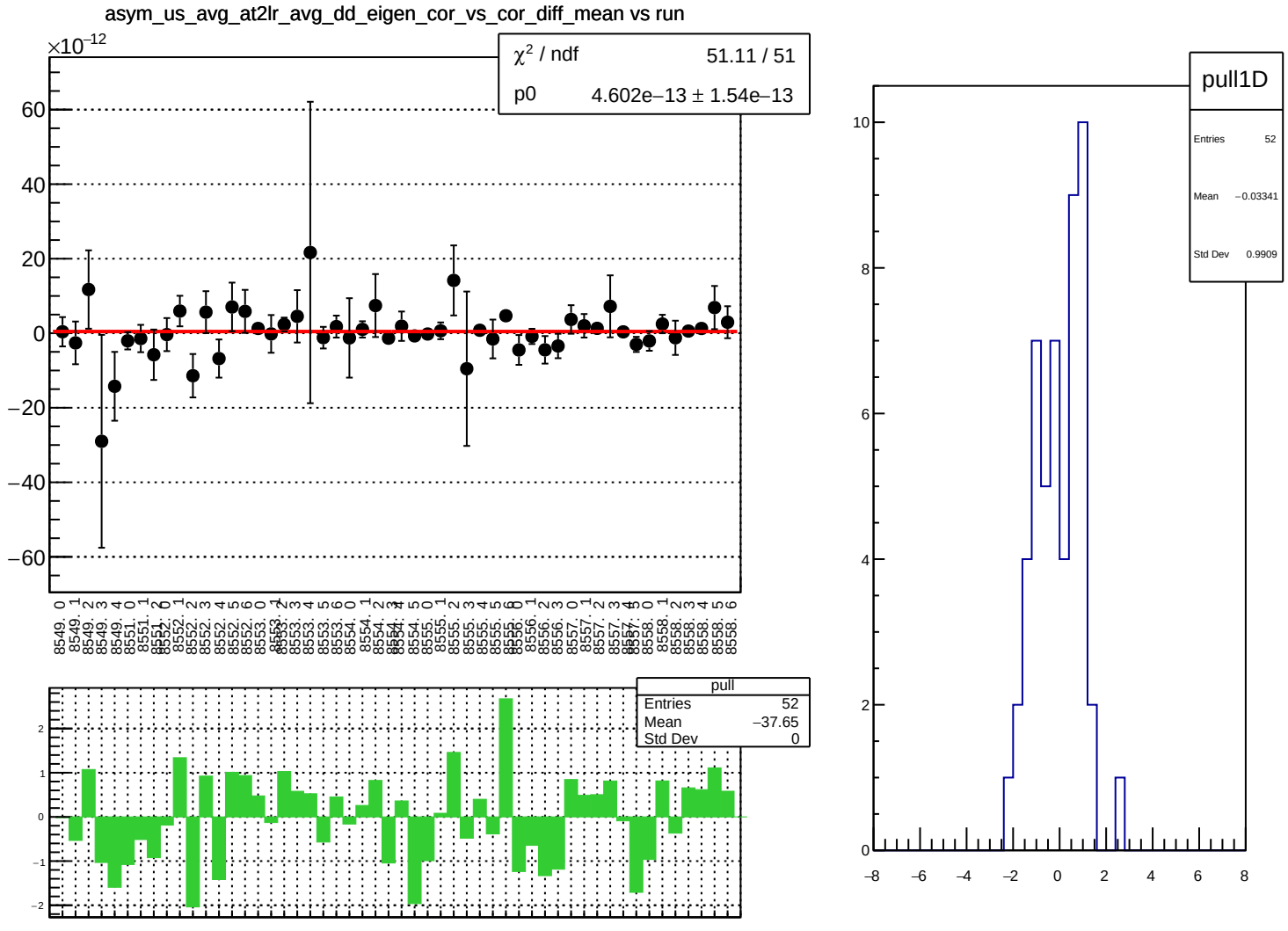

pull1D
Entries 52
Mean −0.03144
Std Dev 1.003

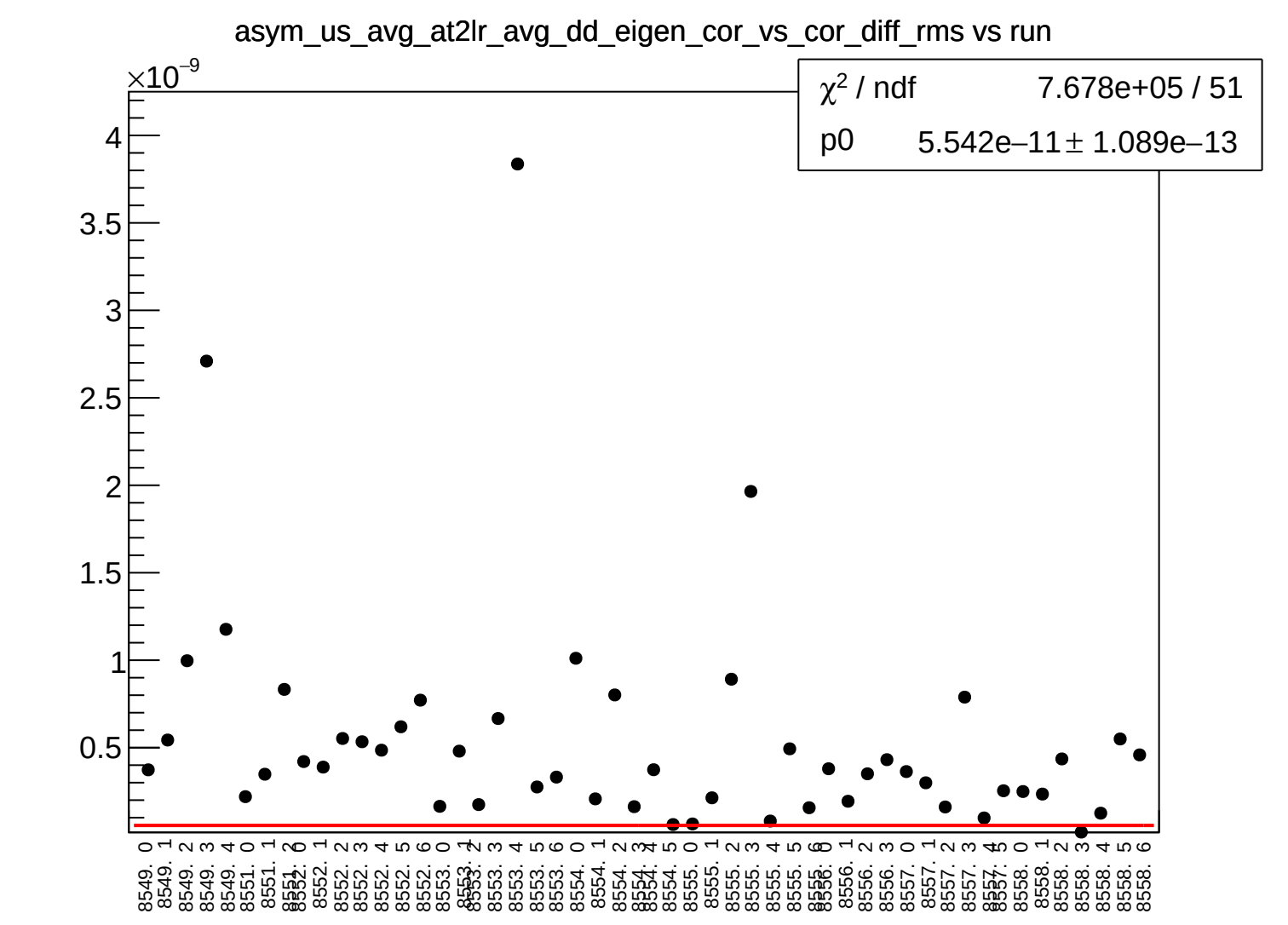

asym_us_avg_at2lr_avg_dd_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 1.054e+05 / 51
p0 617.6 ± 0.6434
12000
10000
8000
6000
4000
2000
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

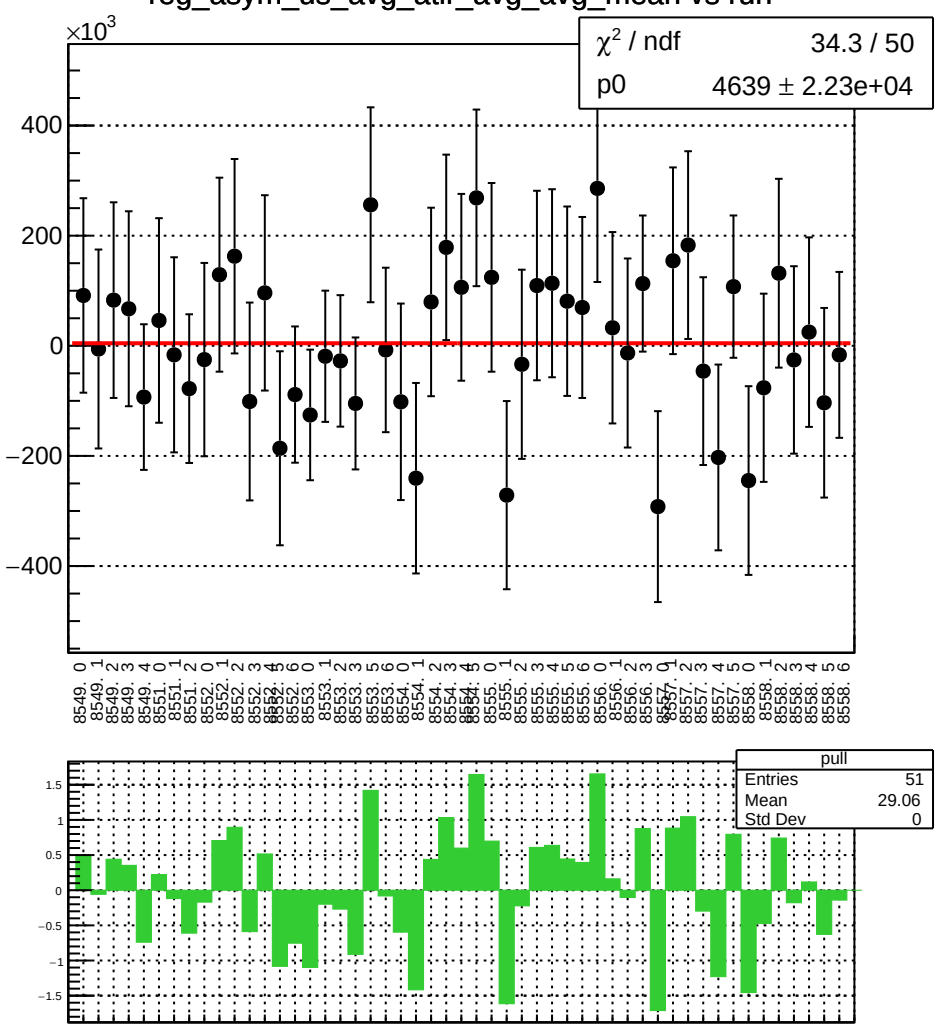

asym_us_avg_at2lr_avg_dd_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 52.32 / 51
p0 2.877 ± 0.91
pull
Entries 52
Mean 200.1
Std Dev 0

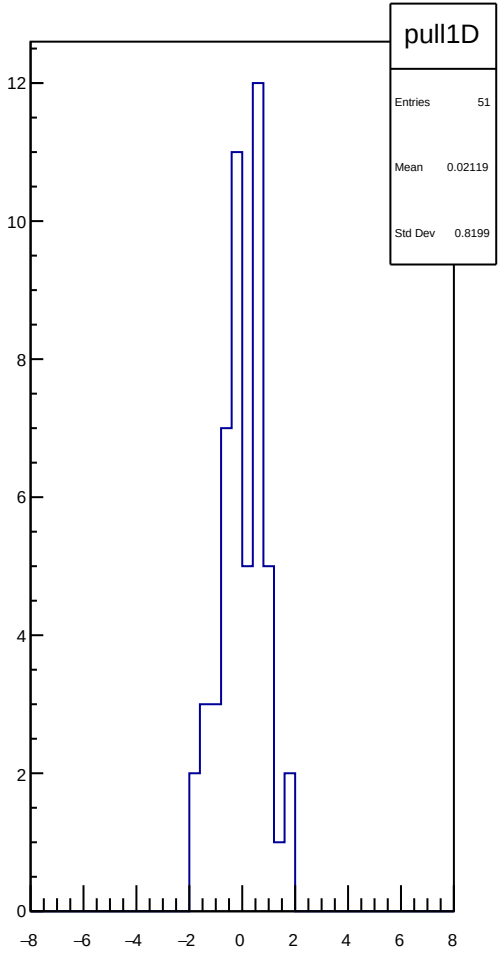

pull1D
Entries 52
Mean −0.03144
Std Dev 1.003

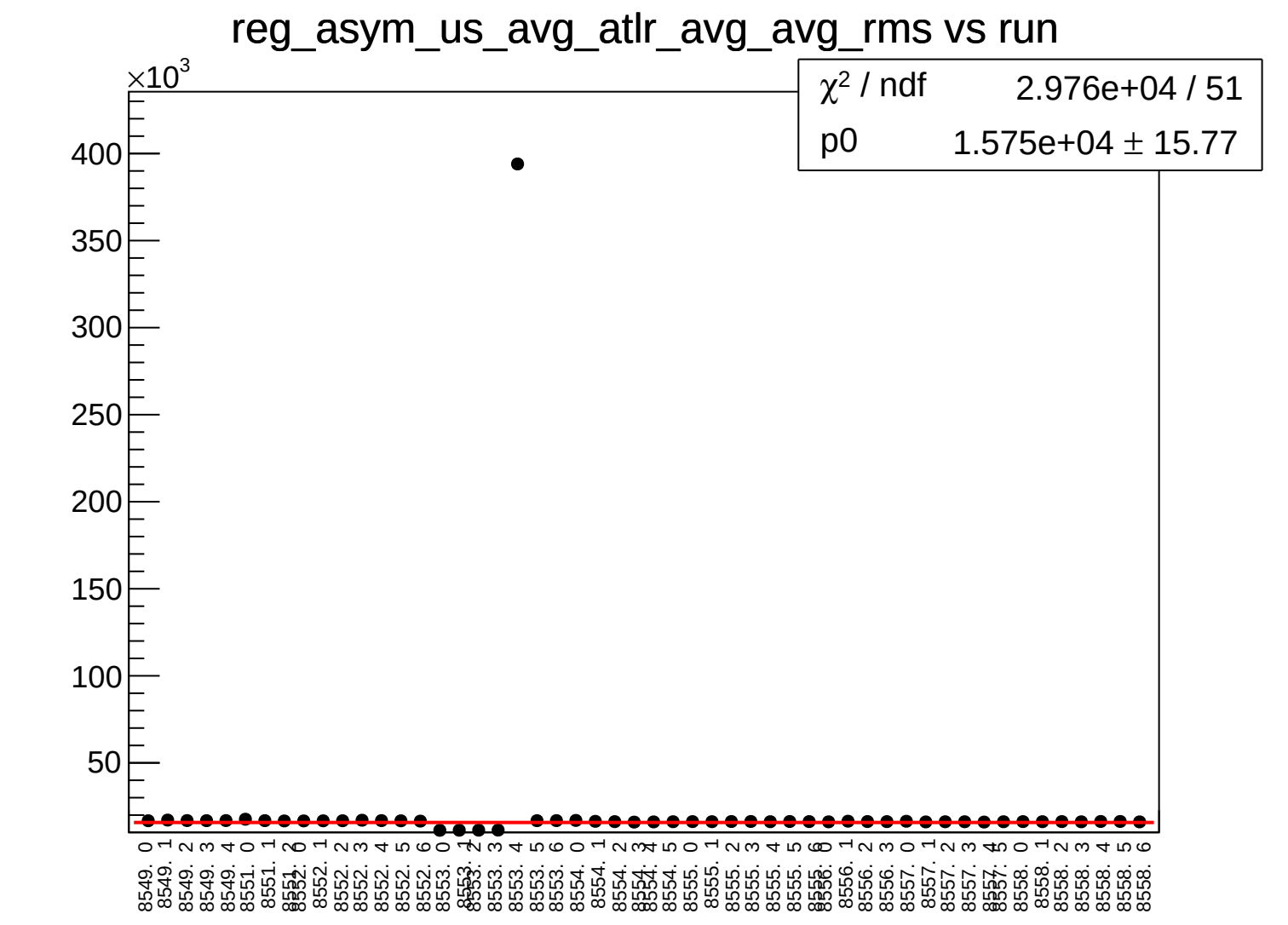

asym_us_avg_at2lr_avg_dd_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.054e+05 / 51
p0 617.6 ± 0.6434
12000
10000
8000
6000
4000
2000
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

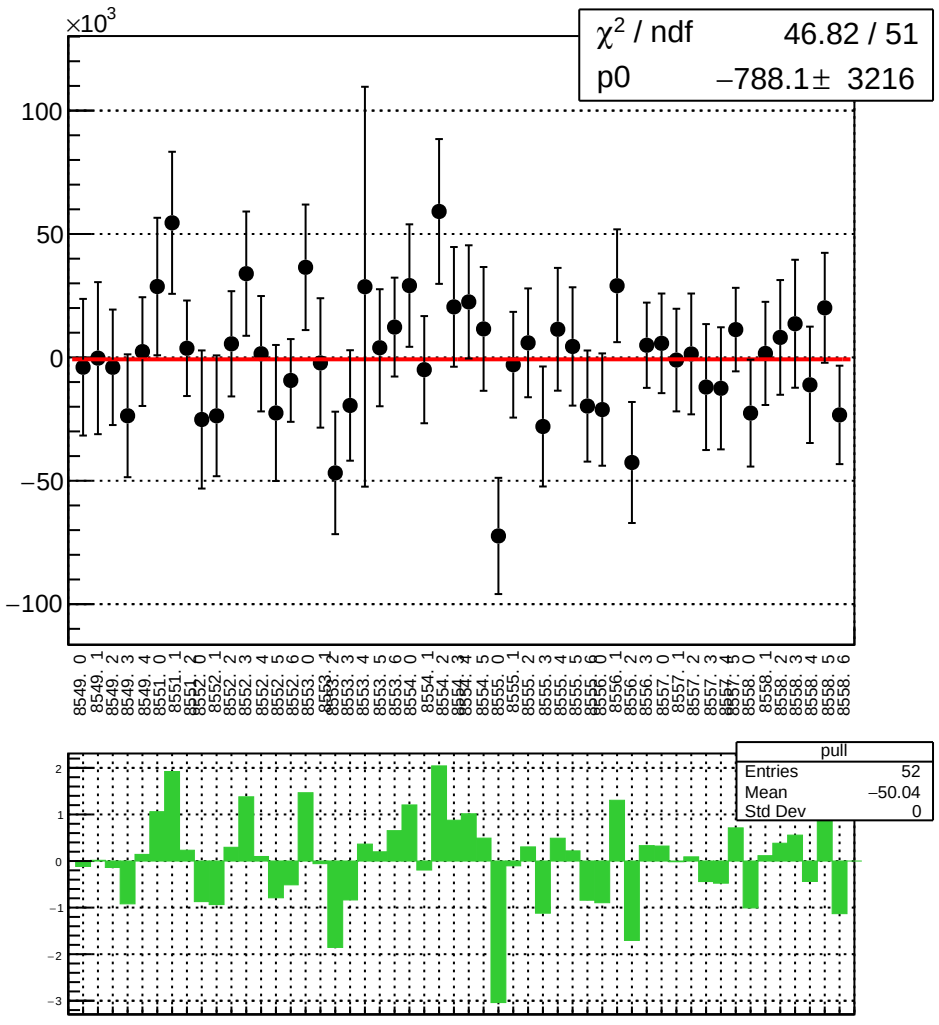

asym_us_avg_at2lr_avg_dd_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 51.11 / 51
p0 4.602e−13 ± 1.54e−13
60
40
20
0
−20
−40
−60
pull
Entries 52
Mean −37.65
Std Dev 0
2
1
0
−1
−2
pull1D
Entries 52
Mean −0.03341
Std Dev 0.9909
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

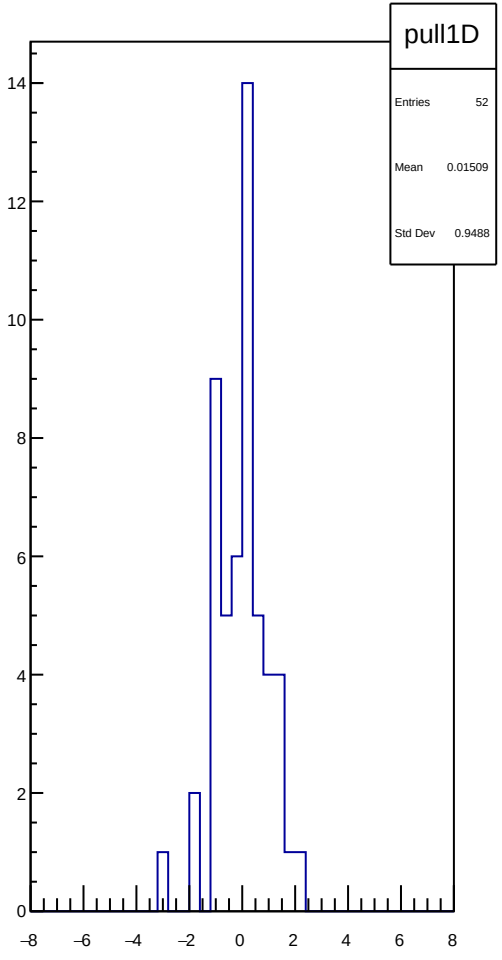

asym_us_avg_at2lr_avg_dd_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 7.678e+05 / 51
p0 5.542e−11 ± 1.089e−13
4
3.5
3
2.5
2
1.5
1
0.5
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 0
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 1
8553. 2
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 3
8554. 4
8554. 5
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8557. 5
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

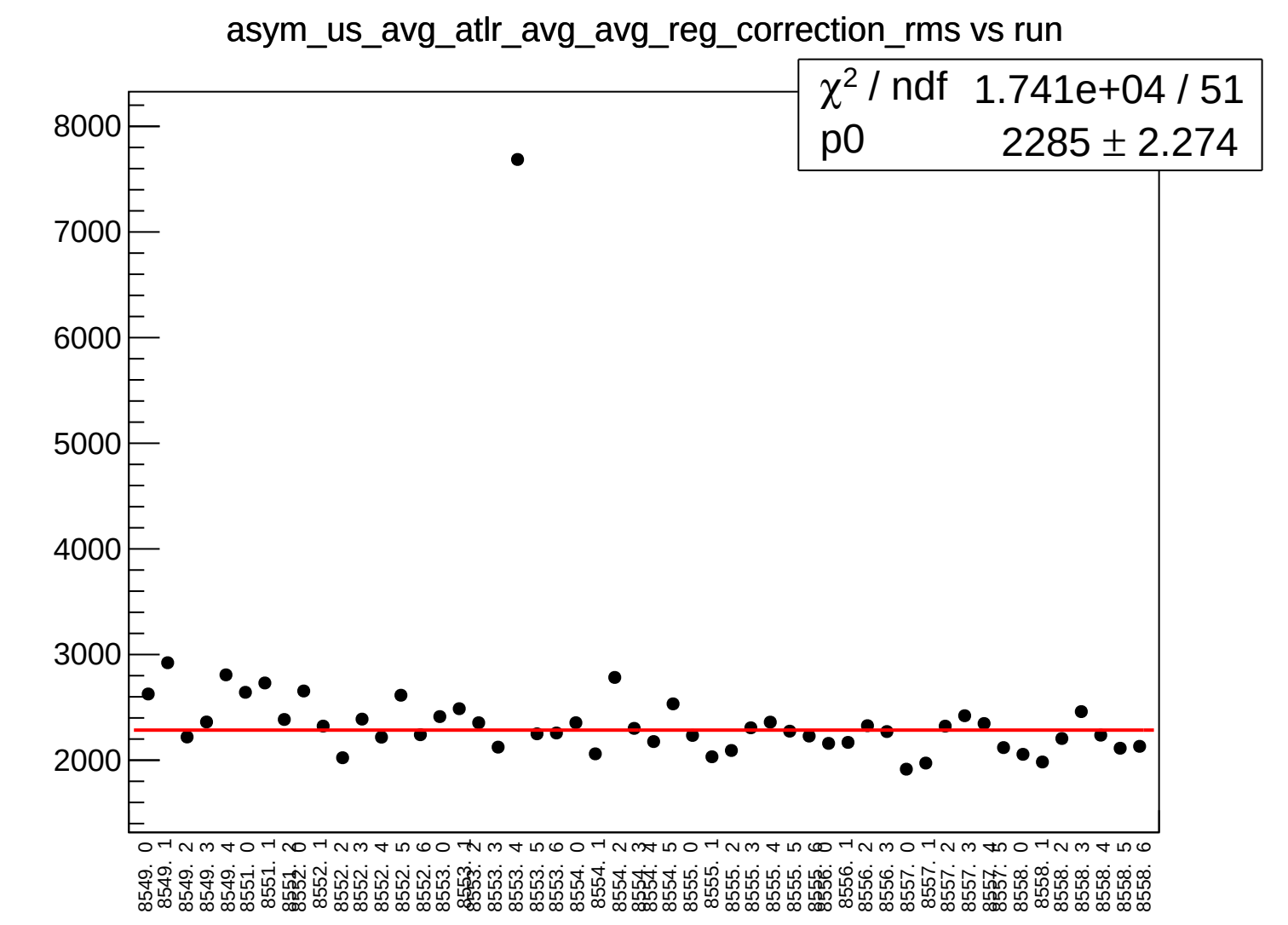

reg_asym_us_avg_atlr_avg_avg_mean vs run
×10^3
χ² / ndf 34.3 / 50
p0 4639 ± 2.23e+04
400
200
0
−200
−400
pull
Entries 51
Mean 29.06
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5

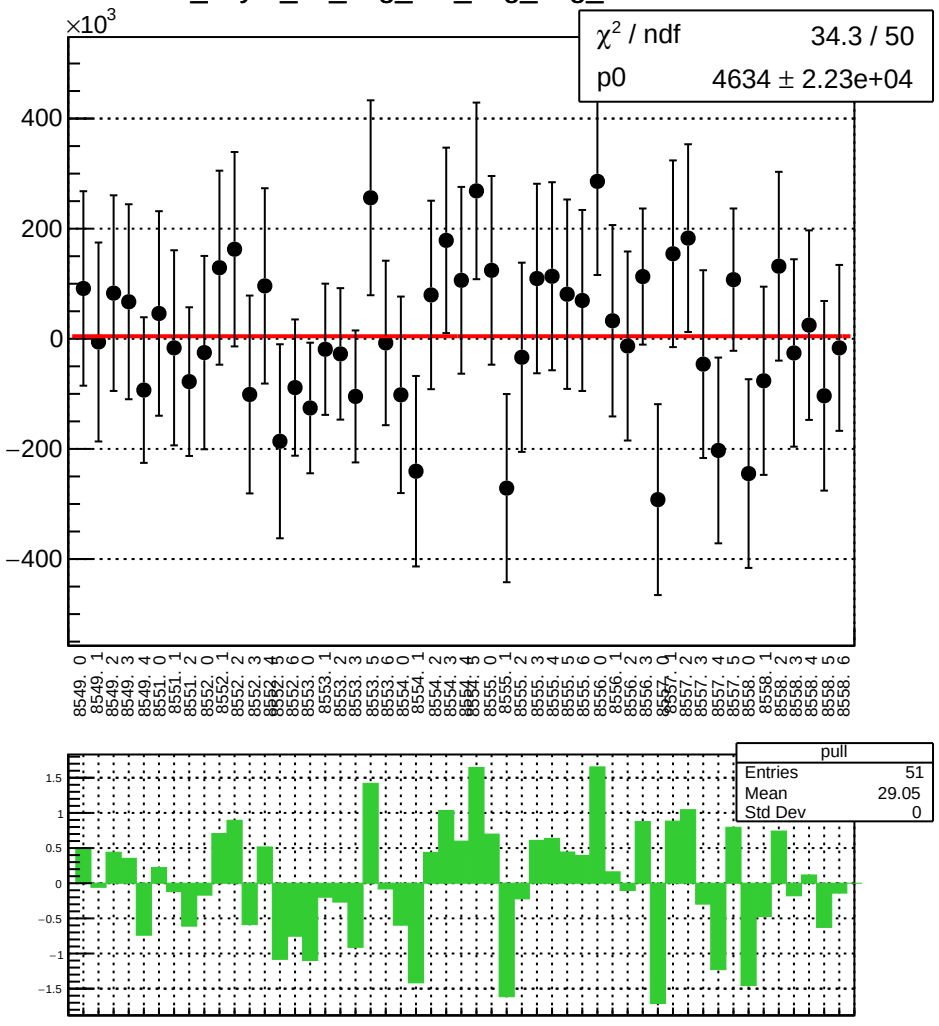

pull1D
Entries 51
Mean 0.02119
Std Dev 0.8199
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

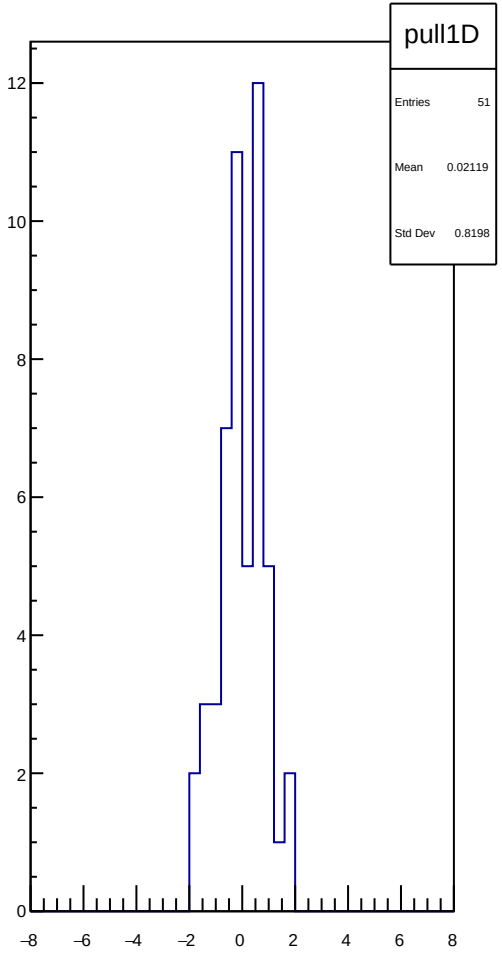

reg_asym_us_avg_atlr_avg_avg_rms vs run
×10^3
400
350
300
250
200
150
100
50
χ² / ndf 2.976e+04 / 51
p0 1.575e+04 ± 15.77
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 0
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 1
8553. 2
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 5
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

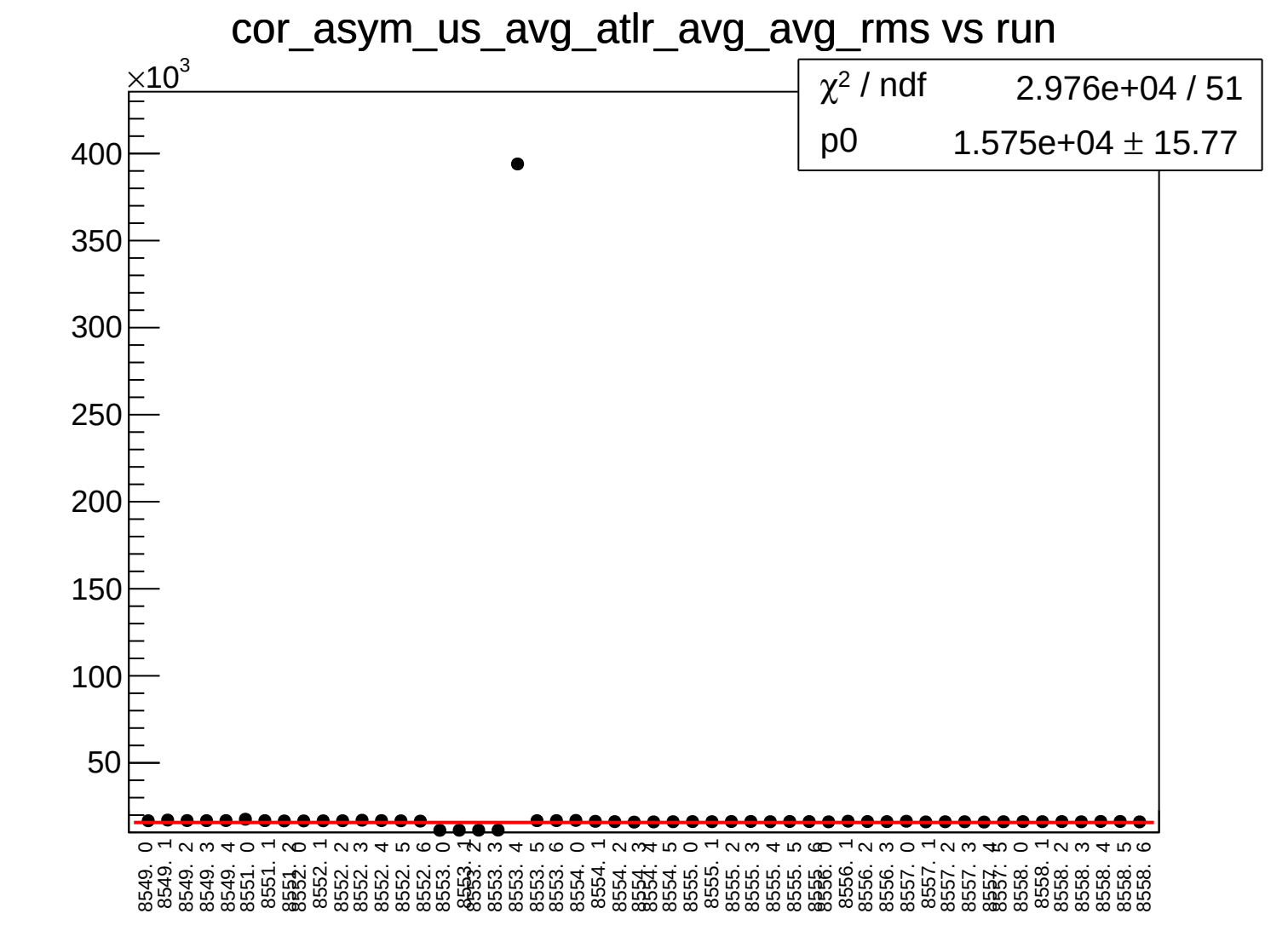

asym_us_avg_atlr_avg_avg_reg_correction_mean vs run
×10^3
χ^2 / ndf 46.82 / 51
p0 −788.1± 3216
100
50
0
−50
−100
pull
Entries 52
Mean −50.04
Std Dev 0
2
1
0
−1
−2
−3

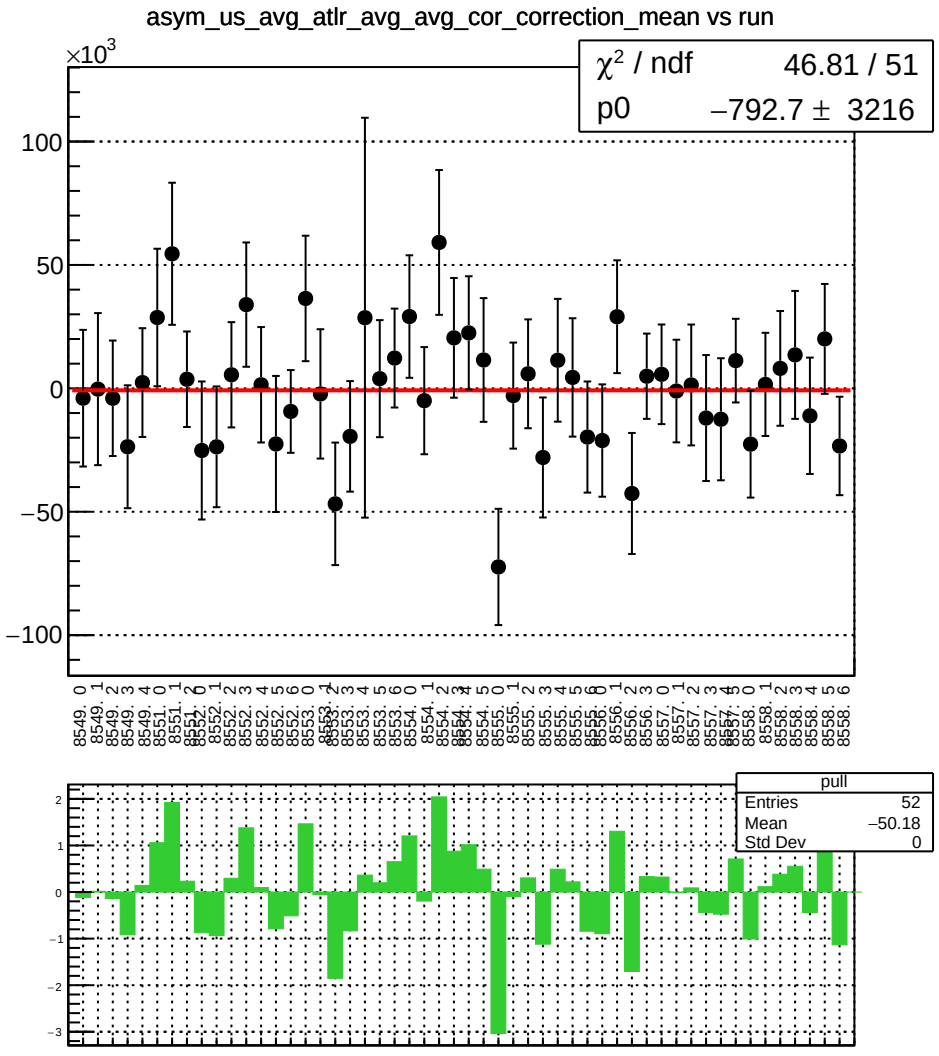

pull1D
Entries 52
Mean 0.01509
Std Dev 0.9488
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

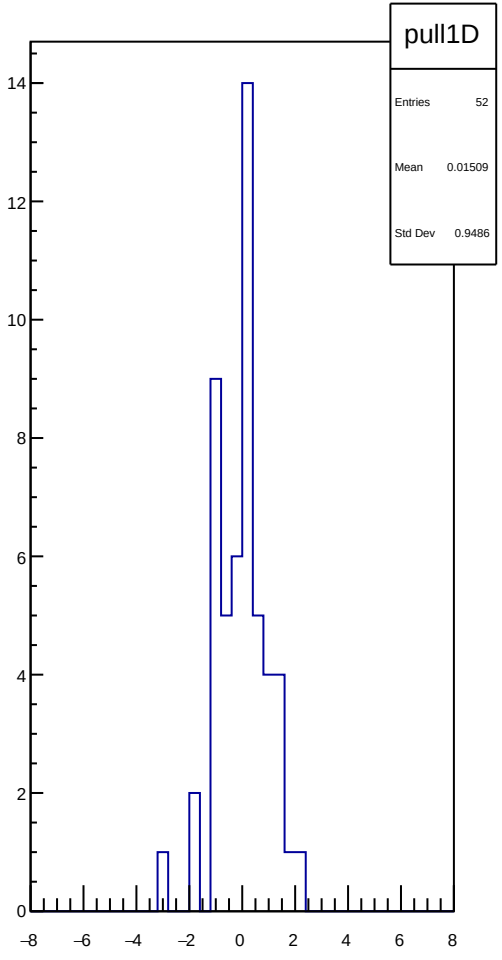

asym_us_avg_atlr_avg_avg_reg_correction_rms vs run
χ² / ndf 1.741e+04 / 51
p0 2285 ± 2.274
8000
7000
6000
5000
4000
3000
2000
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

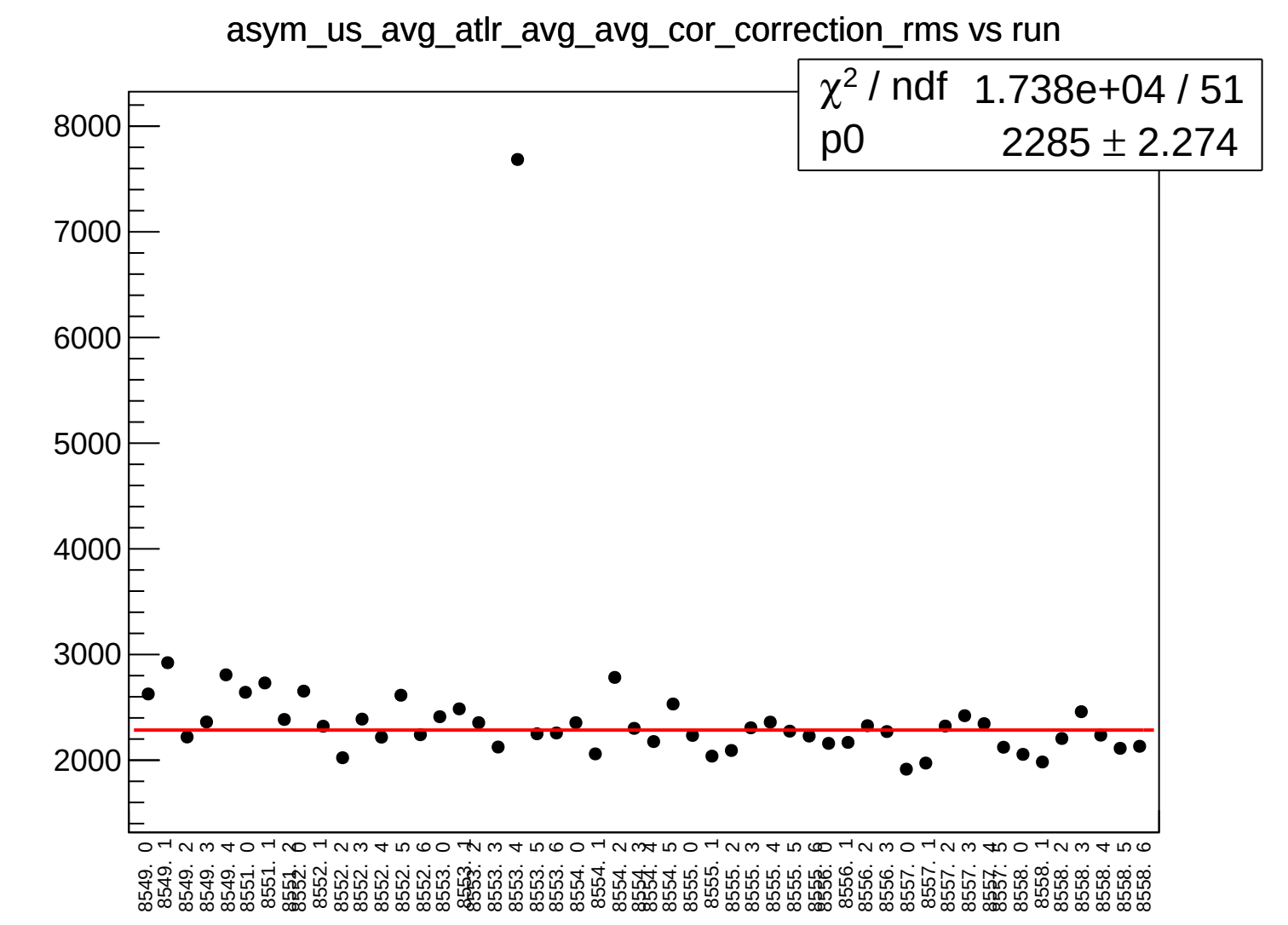

cor_asym_us_avg_atlr_avg_avg_mean vs run
×10^3
χ² / ndf 34.3 / 50
p0 4634 ± 2.23e+04
400
200
0
−200
−400
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8551. 2
8552. 0
8552. 1
8552. 2
8552. 3
8552. 4
8552. 6
8553. 0
8553. 1
8553. 2
8553. 3
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 3
8554. 4
8554. 5
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8555. 6
8556. 0
8556. 1
8556. 2
8556. 3
8556. 4
8557. 0
8557. 1
8557. 2
8557. 3
8557. 4
8557. 5
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6
pull
Entries 51
Mean 29.05
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5

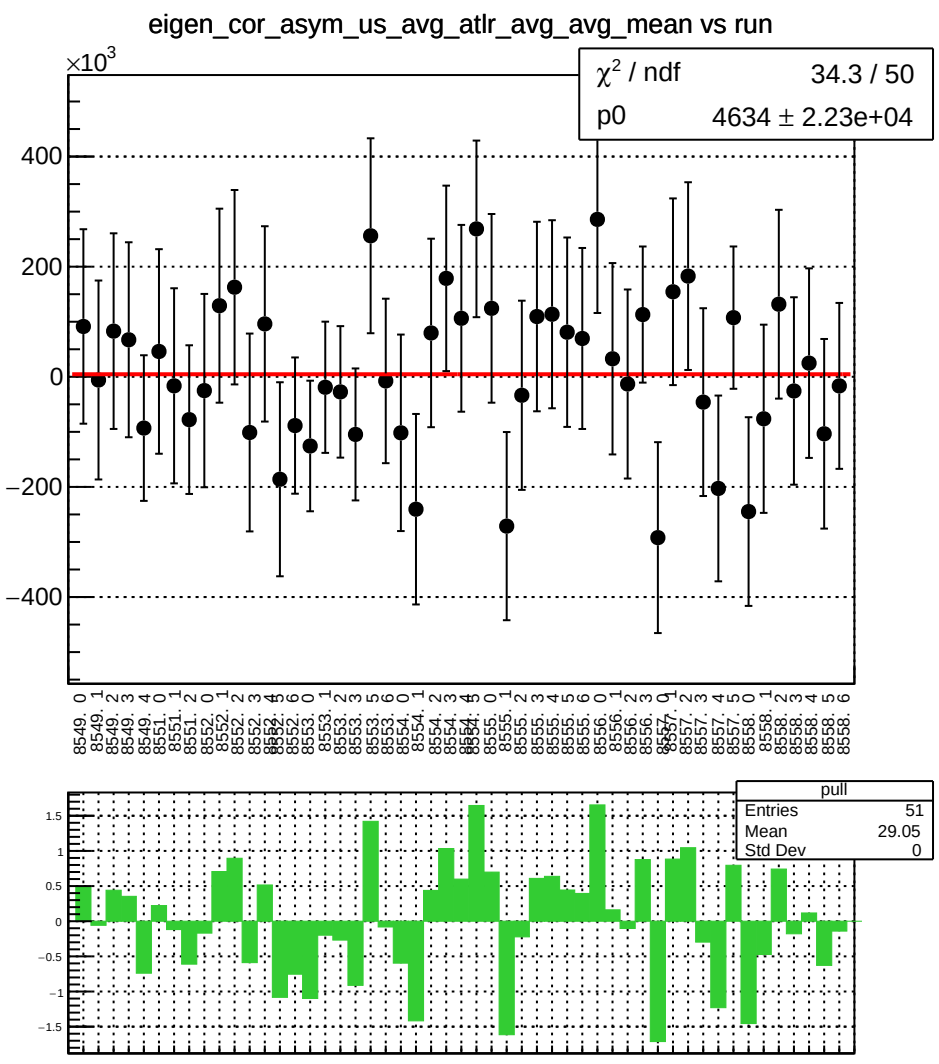

pull1D
Entries 51
Mean 0.02119
Std Dev 0.8198
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

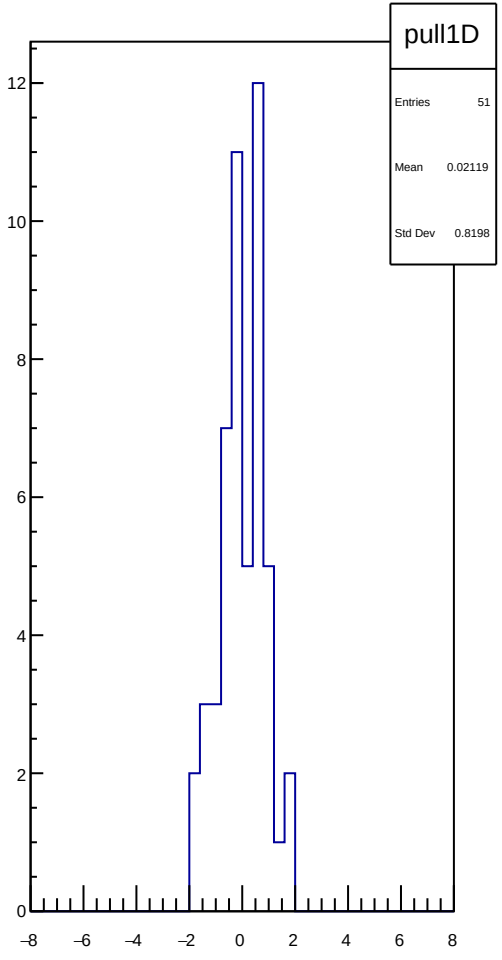

cor_asym_us_avg_atlr_avg_avg_rms vs run
×10^3
400
350
300
250
200
150
100
50
χ² / ndf 2.976e+04 / 51
p0 1.575e+04 ± 15.77
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 5
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

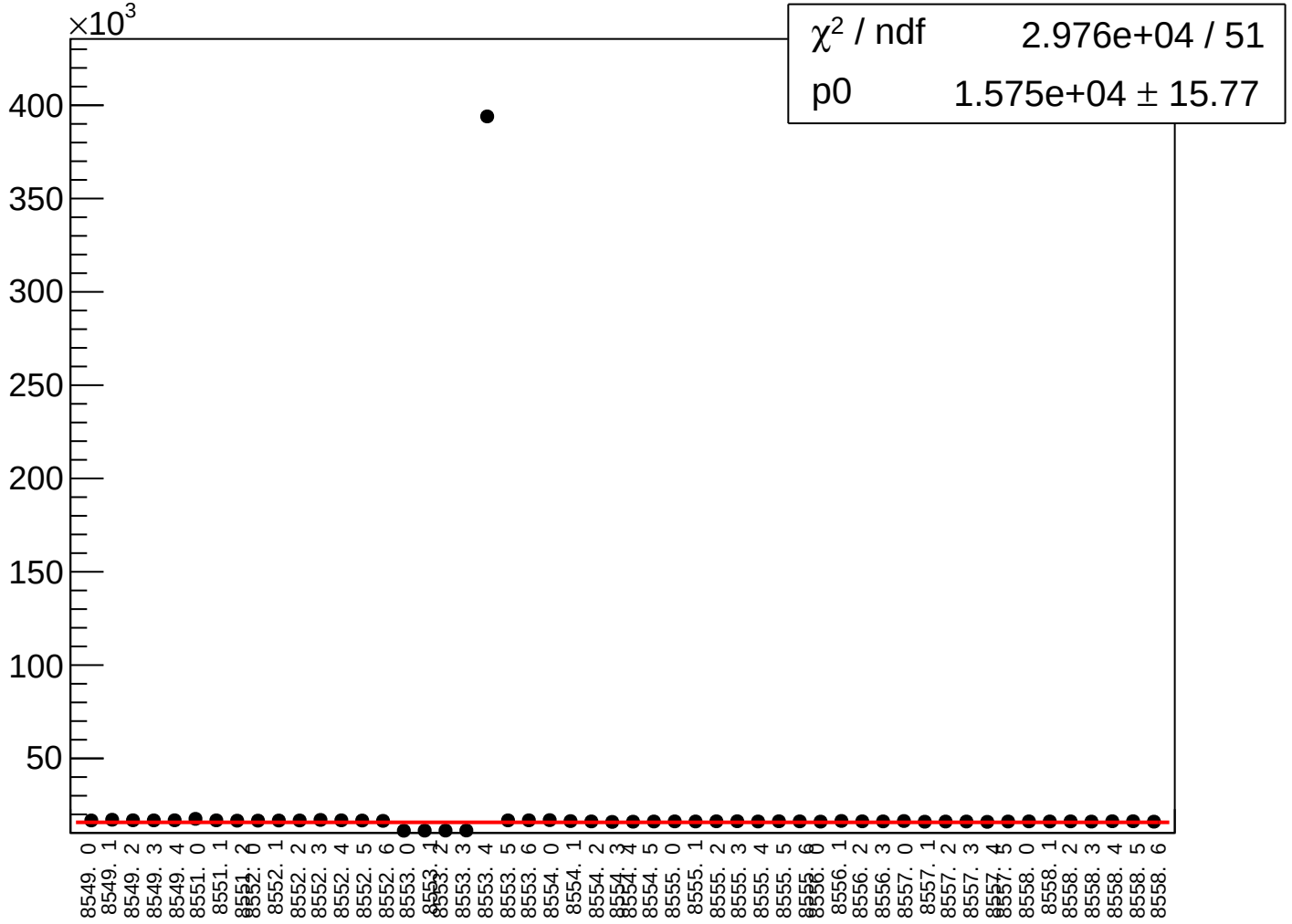

asym_us_avg_atlr_avg_avg_cor_correction_mean vs run
×10^3
χ² / ndf 46.81 / 51
p0 −792.7 ± 3216
100
50
0
−50
−100
pull
Entries 52
Mean −50.18
Std Dev 0
2
1
0
−1
−2
−3

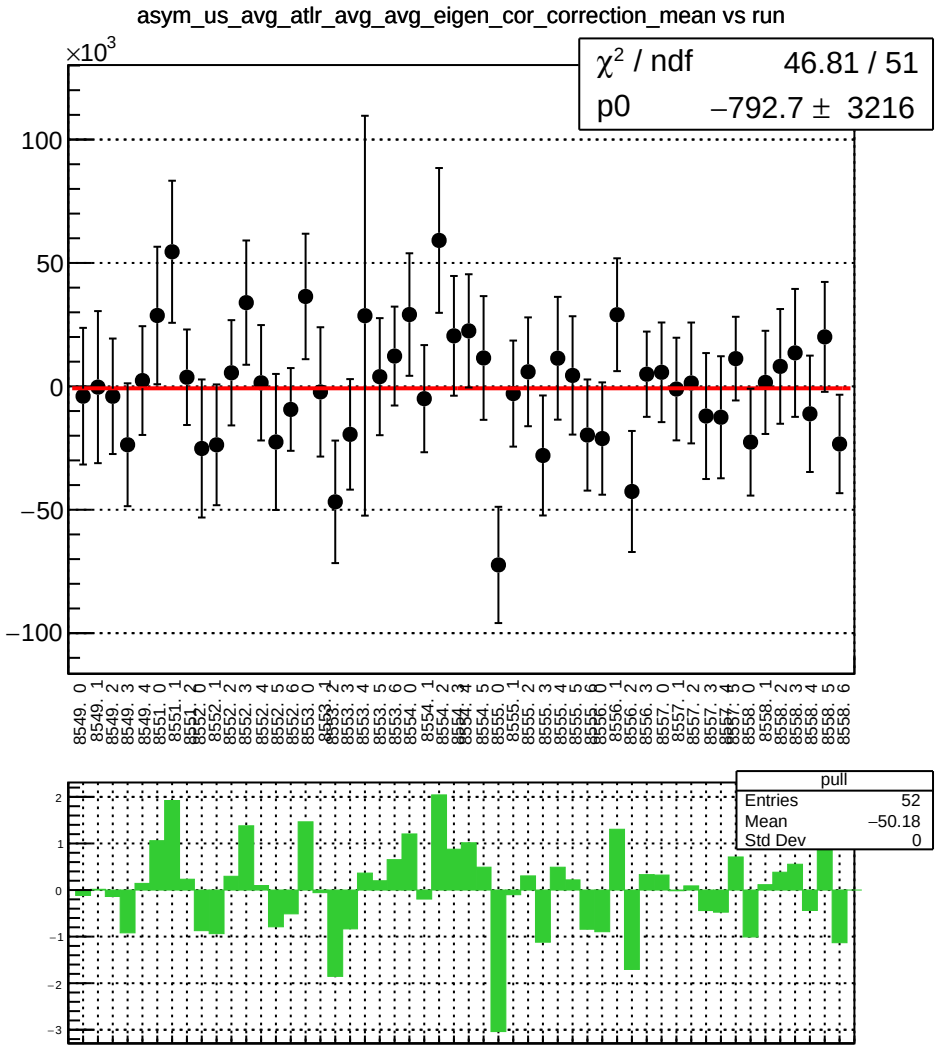

pull1D
Entries 52
Mean 0.01509
Std Dev 0.9486
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

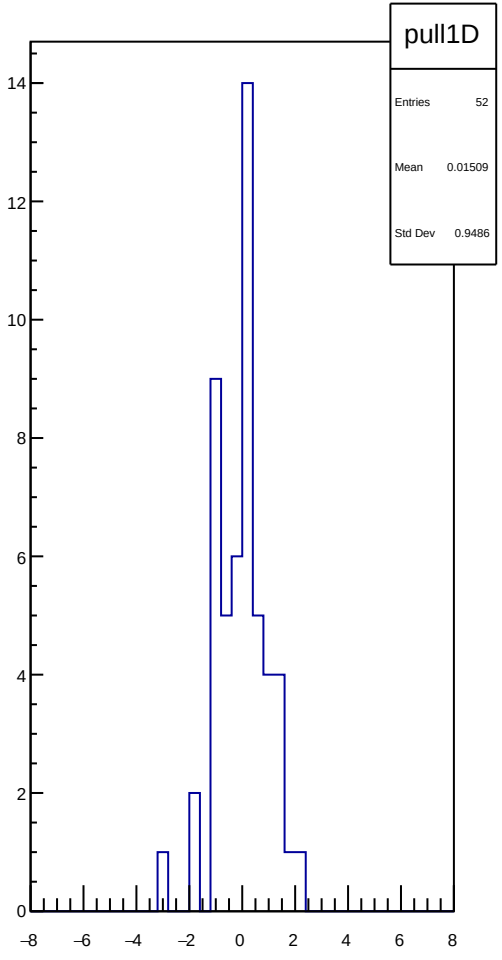

asym_us_avg_atlr_avg_avg_cor_correction_rms vs run
χ² / ndf 1.738e+04 / 51
p0 2285 ± 2.274
8000
7000
6000
5000
4000
3000
2000
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

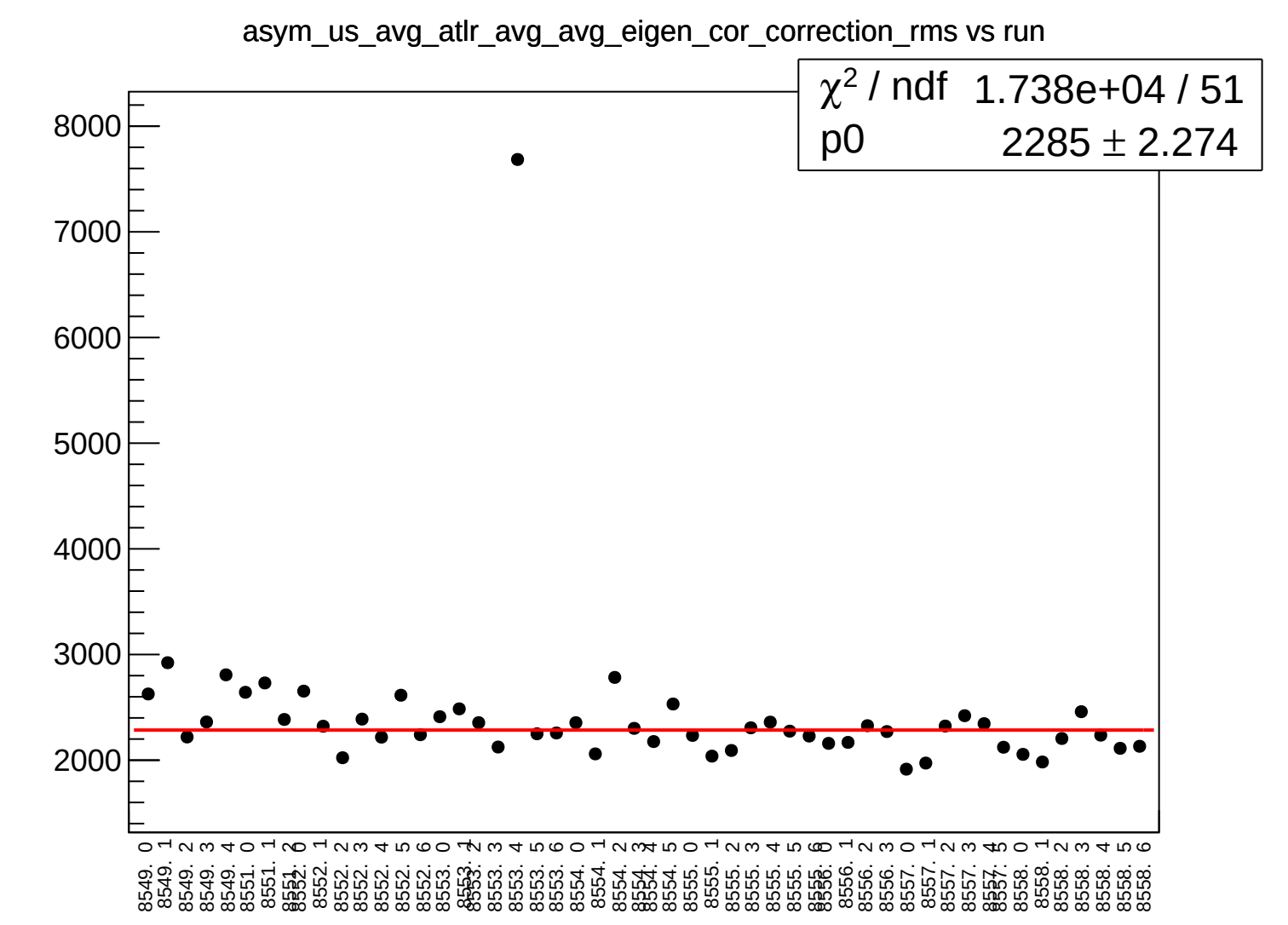

eigen_cor_asym_us_avg_atlr_avg_avg_mean vs run
×10^3
χ² / ndf 34.3 / 50
p0 4634 ± 2.23e+04
400
200
0
−200
−400
pull
Entries 51
Mean 29.05
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5

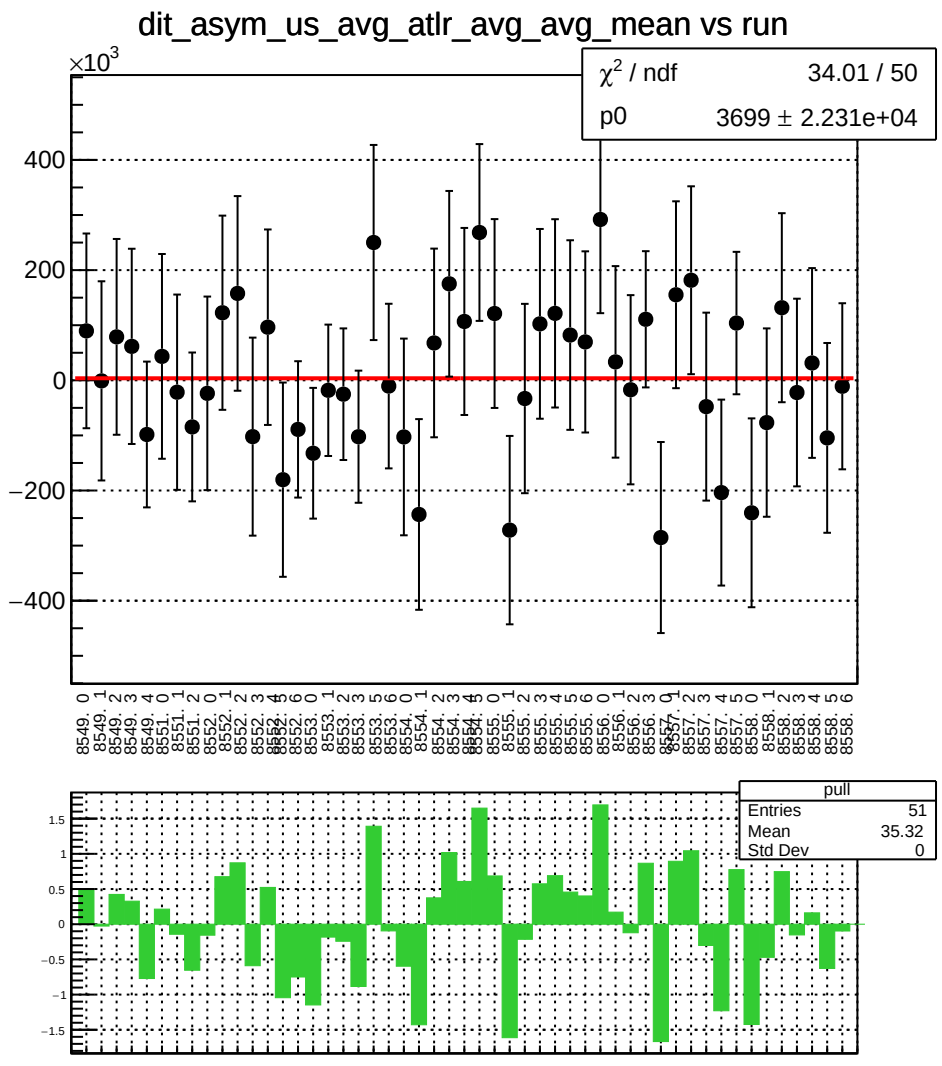

pull1D
Entries 51
Mean 0.02119
Std Dev 0.8198
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

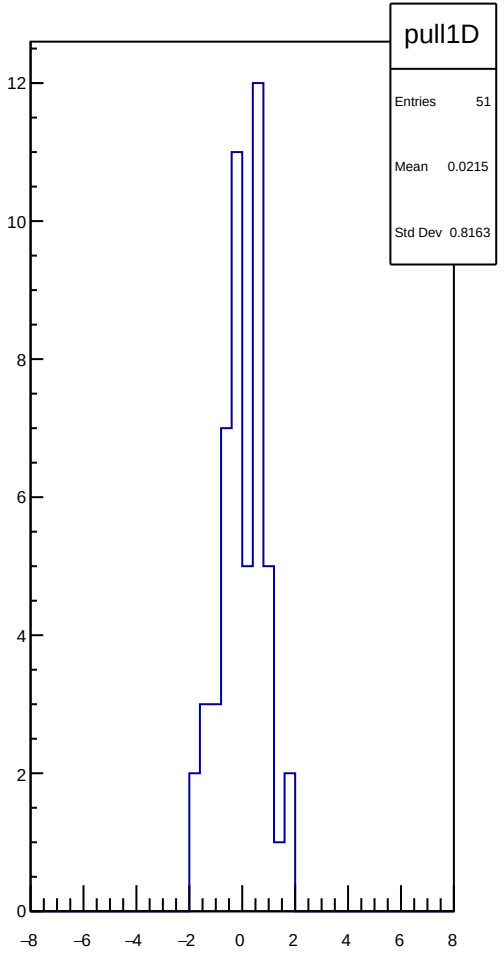

eigen_cor_asym_us_avg_atlr_avg_avg_rms vs run
×10^3
χ² / ndf 2.976e+04 / 51
p0 1.575e+04 ± 15.77
400
350
300
250
200
150
100
50
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 5
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

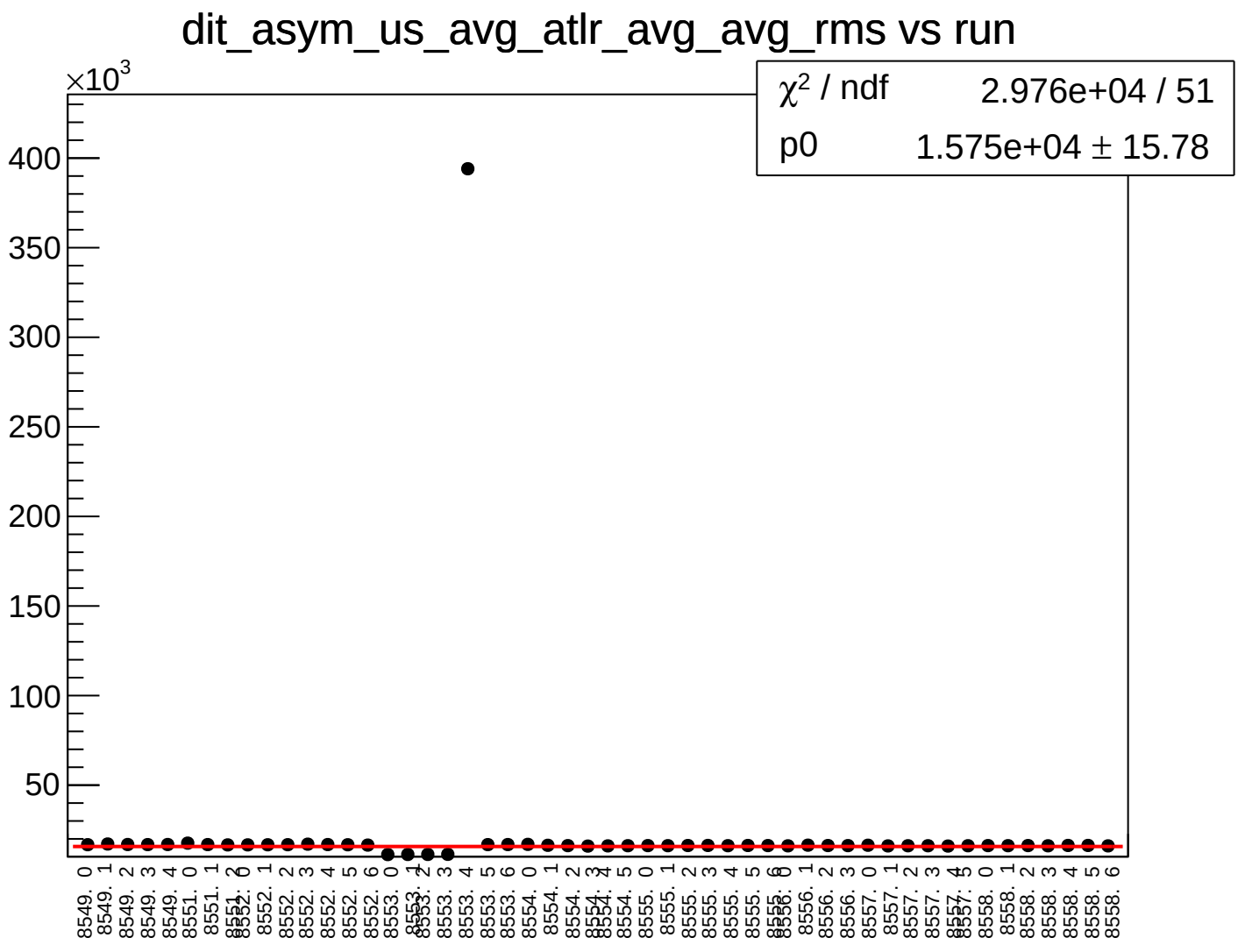

asym_us_avg_atlr_avg_avg_eigen_cor_correction_mean vs run
×10^3
χ² / ndf 46.81 / 51
p0 −792.7 ± 3216
100
50
0
−50
−100
pull
Entries 52
Mean −50.18
Std Dev 0
2
1
0
−1
−2
−3

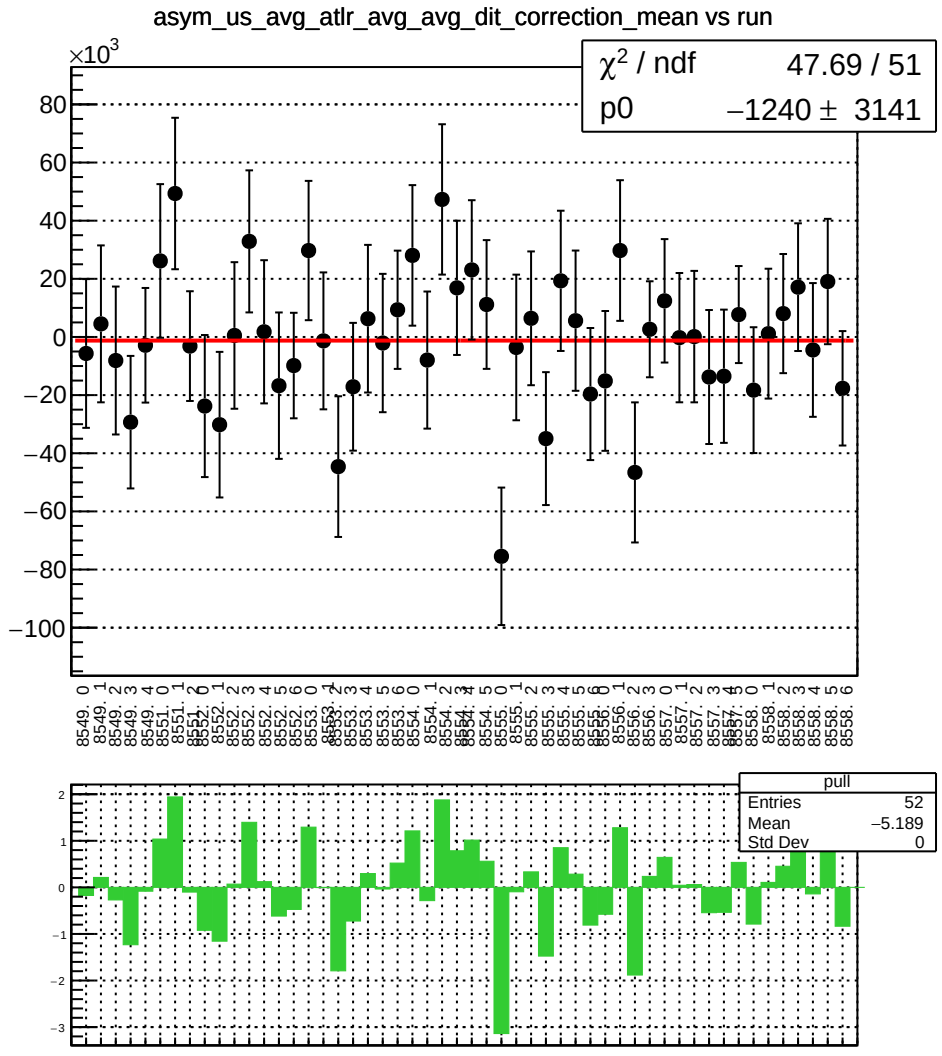

pull1D
Entries 52
Mean 0.01509
Std Dev 0.9486
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

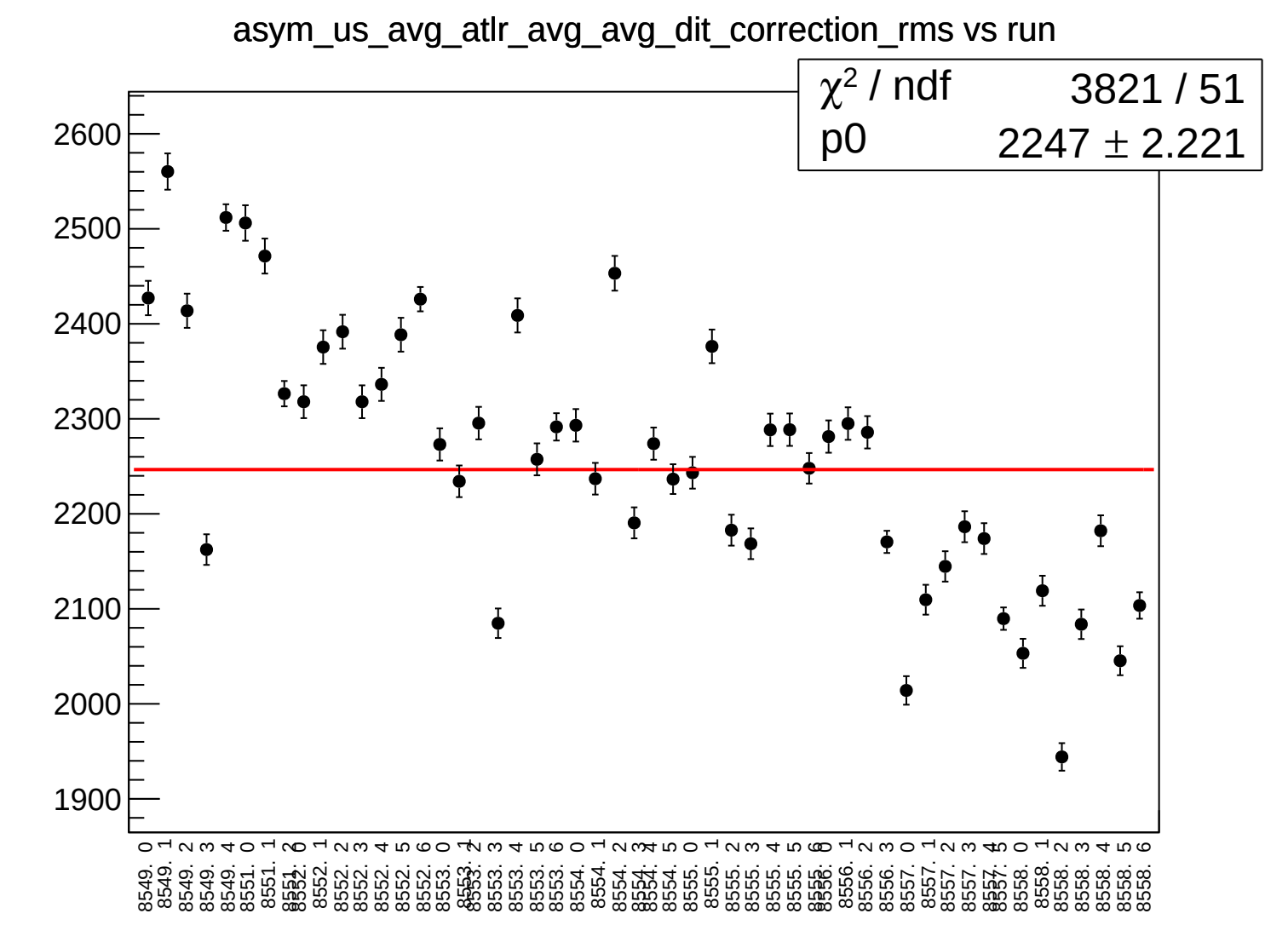

asym_us_avg_atlr_avg_avg_eigen_cor_correction_rms vs run
χ² / ndf 1.738e+04 / 51
p0 2285 ± 2.274
8000
7000
6000
5000
4000
3000
2000
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

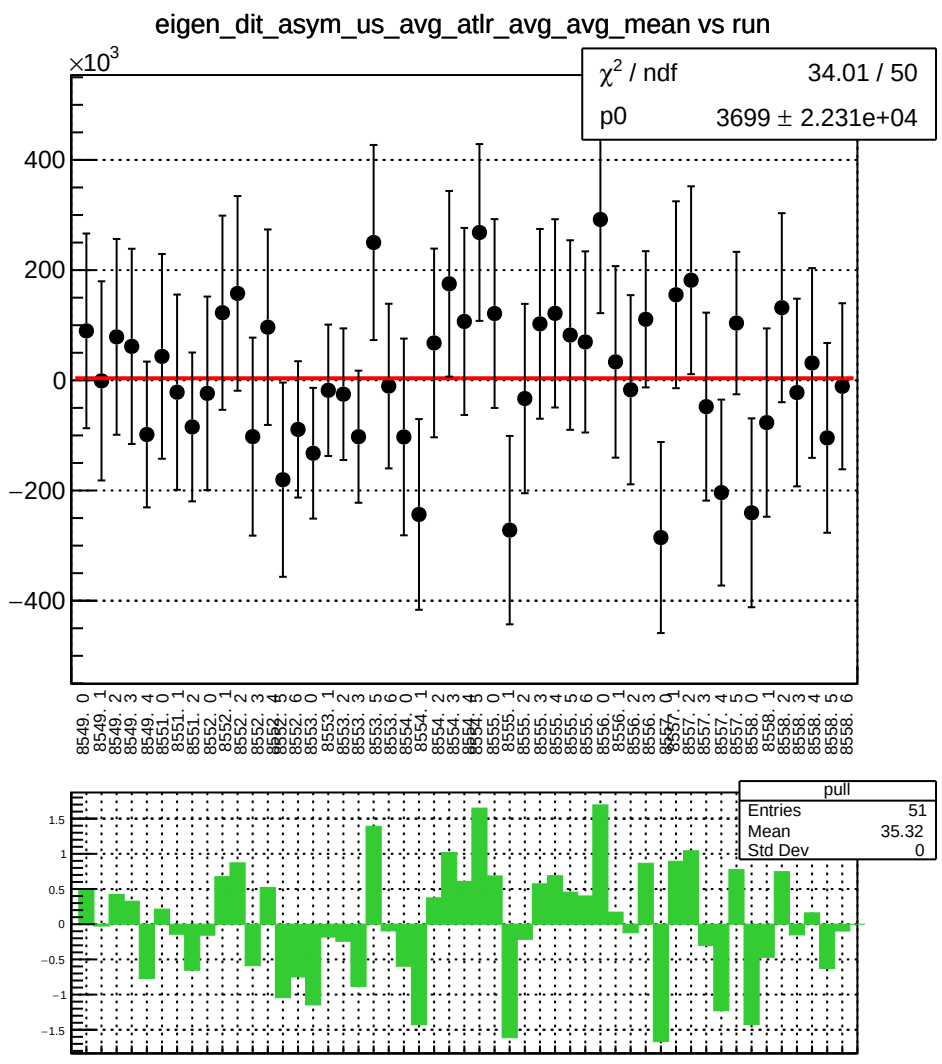

dit_asym_us_avg_atlr_avg_avg_mean vs run
×10^3
χ² / ndf 34.01 / 50
p0 3699 ± 2.231e+04
400
200
0
−200
−400
pull
Entries 51
Mean 35.32
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5

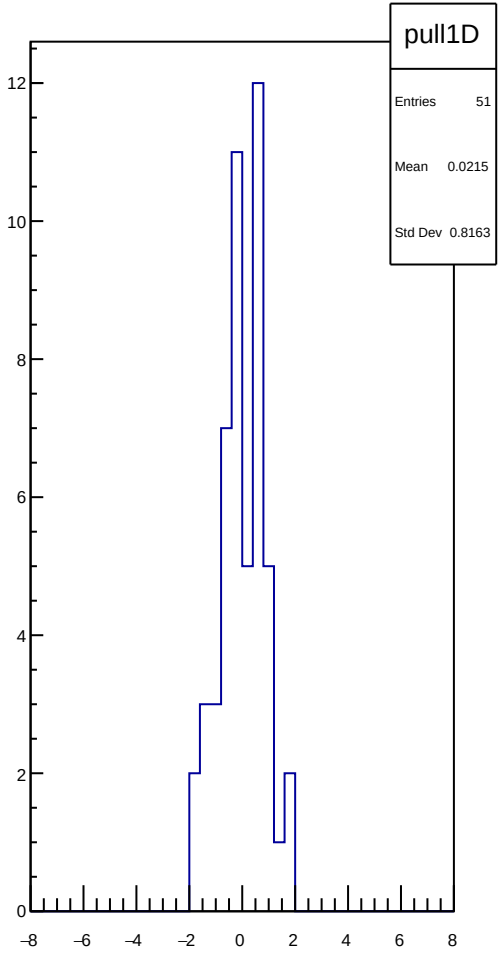

pull1D
Entries 51
Mean 0.0215
Std Dev 0.8163
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

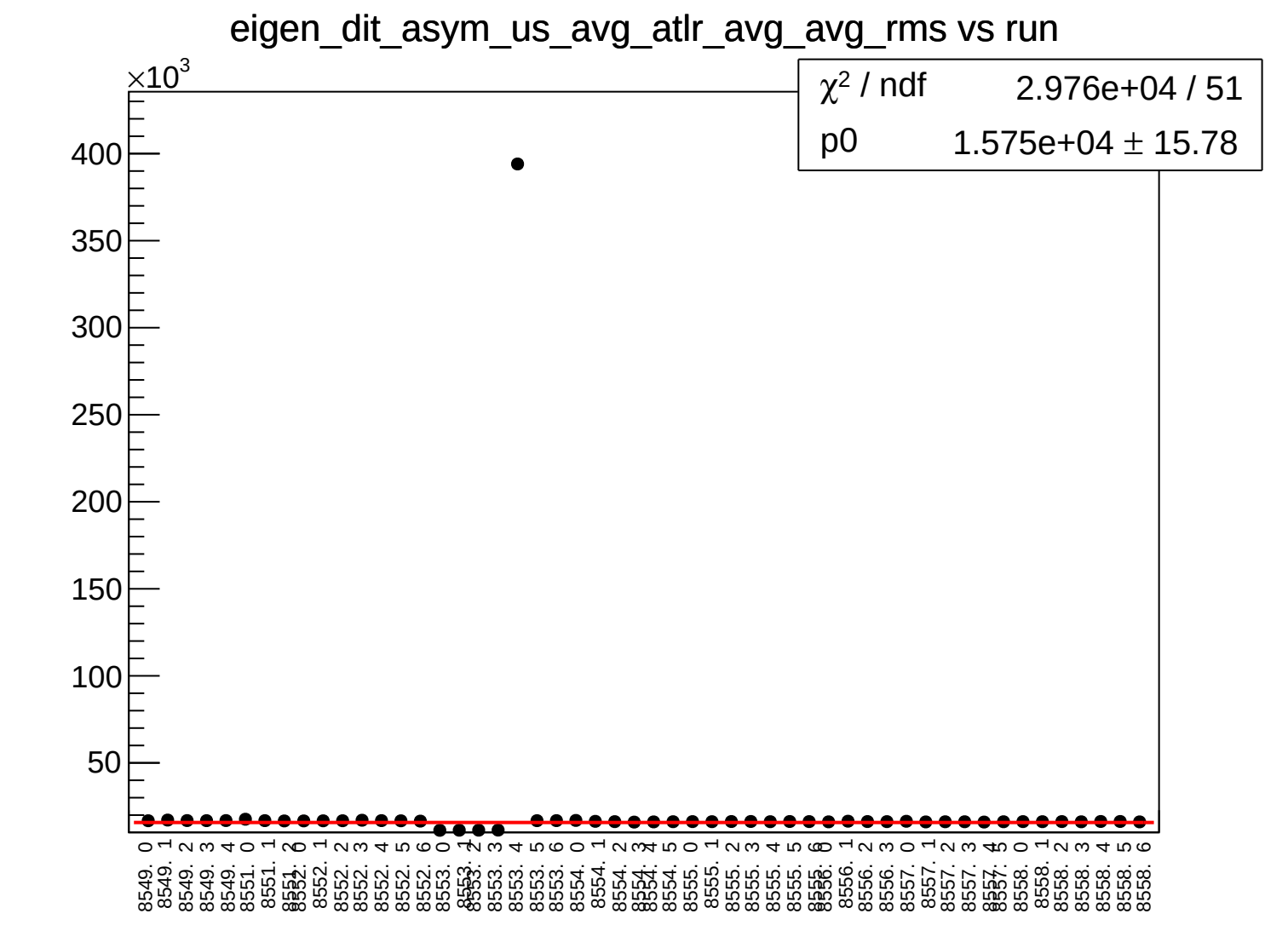

dit_asym_us_avg_atlr_avg_avg_rms vs run
×10^3
400
350
300
250
200
150
100
50
χ² / ndf 2.976e+04 / 51
p0 1.575e+04 ± 15.78
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 0
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 1
8553. 2
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 3
8554. 4
8554. 5
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 0
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8557. 4
8557. 5
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

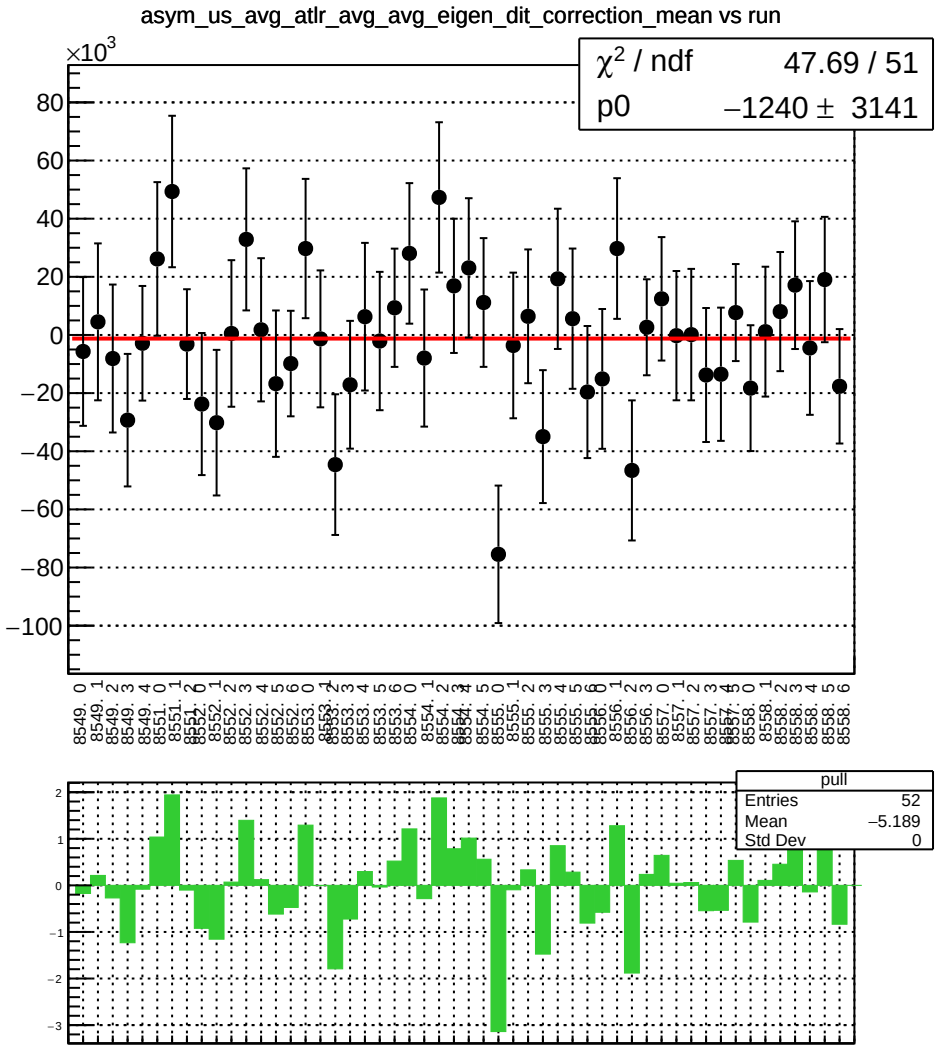

asym_us_avg_atlr_avg_avg_dit_correction_mean vs run
×10^3
χ² / ndf 47.69 / 51
p0 −1240 ± 3141
pull
Entries 52
Mean −5.189
Std Dev 0
pull1D
Entries 52
Mean 0.005087
Std Dev 0.9577

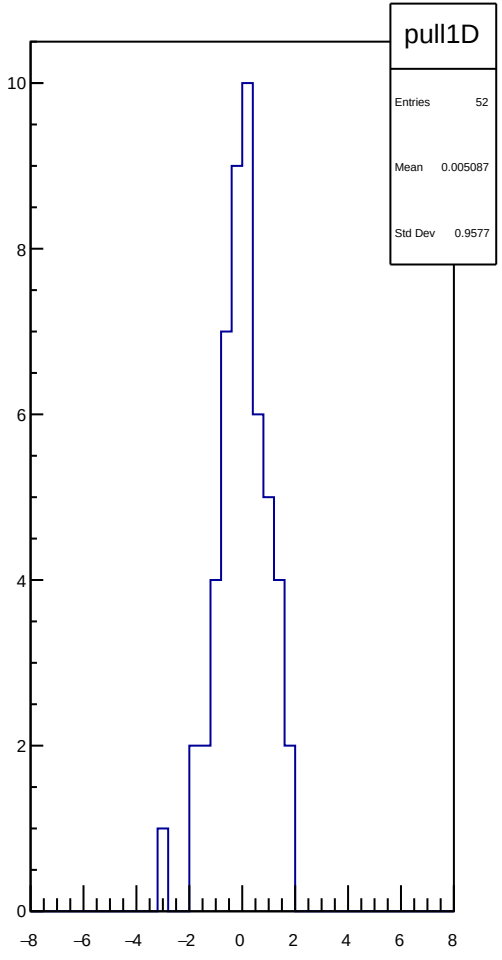

asym_us_avg_atlr_avg_avg_dit_correction_rms vs run
χ² / ndf 3821 / 51
p0 2247 ± 2.221
2600
2500
2400
2300
2200
2100
2000
1900
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

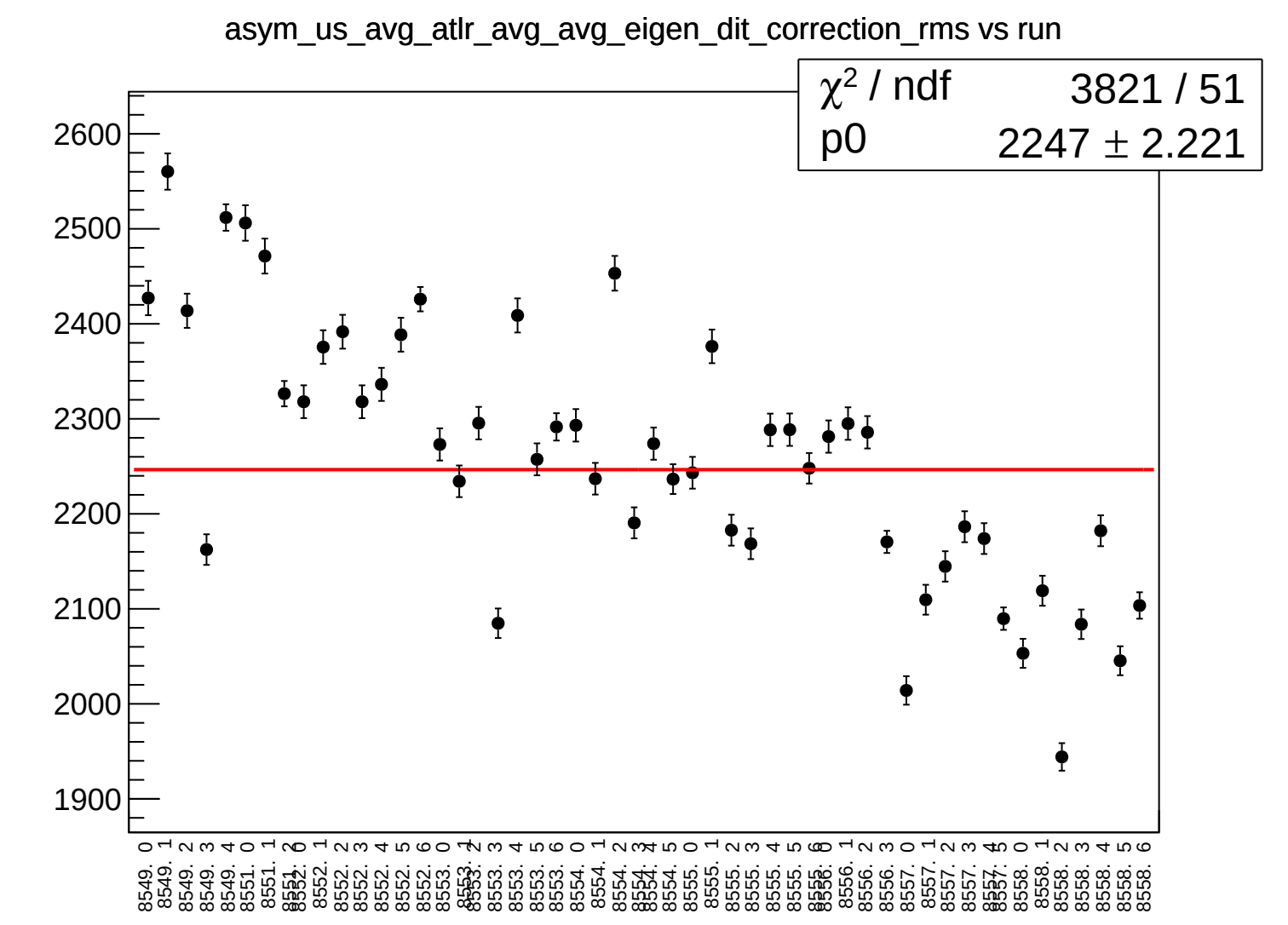

eigen_dit_asym_us_avg_atlr_avg_avg_mean vs run
×10^3
χ² / ndf 34.01 / 50
p0 3699 ± 2.231e+04
400
200
0
−200
−400
pull
Entries 51
Mean 35.32
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5

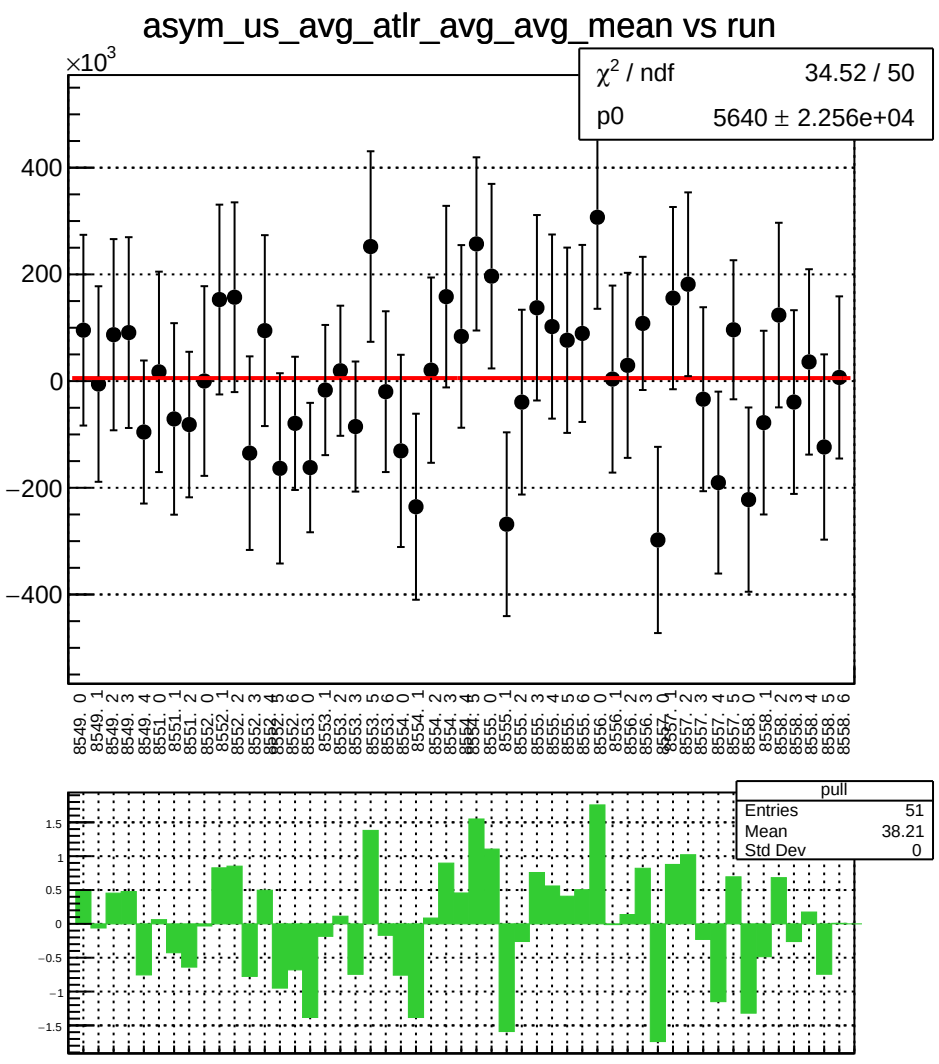

pull1D
Entries 51
Mean 0.0215
Std Dev 0.8163
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

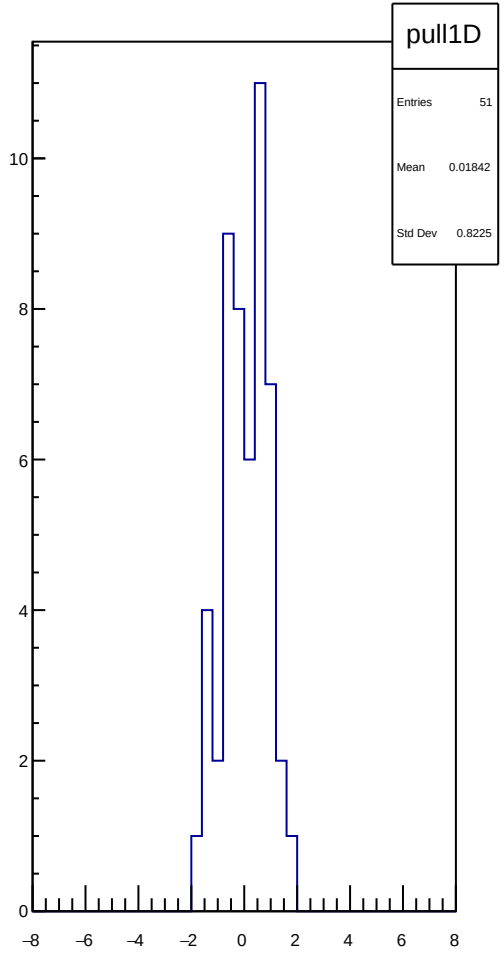

eigen_dit_asym_us_avg_atlr_avg_avg_rms vs run
χ² / ndf 2.976e+04 / 51
p0 1.575e+04 ± 15.78
×10³
400
350
300
250
200
150
100
50
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 5
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

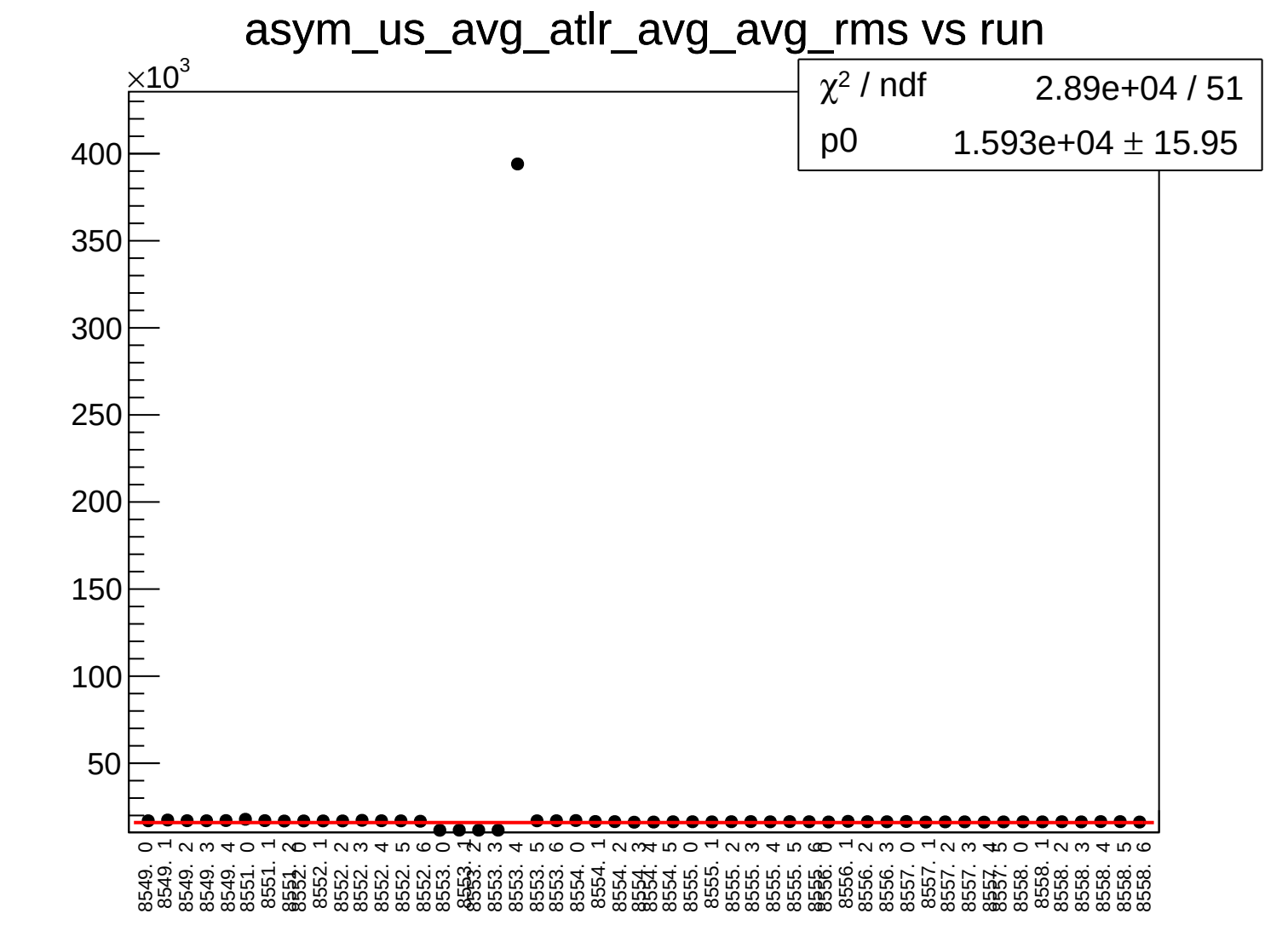

asym_us_avg_atlr_avg_avg_eigen_dit_correction_mean vs run
×10^3
χ² / ndf 47.69 / 51
p0 −1240 ± 3141
pull
Entries 52
Mean −5.189
Std Dev 0

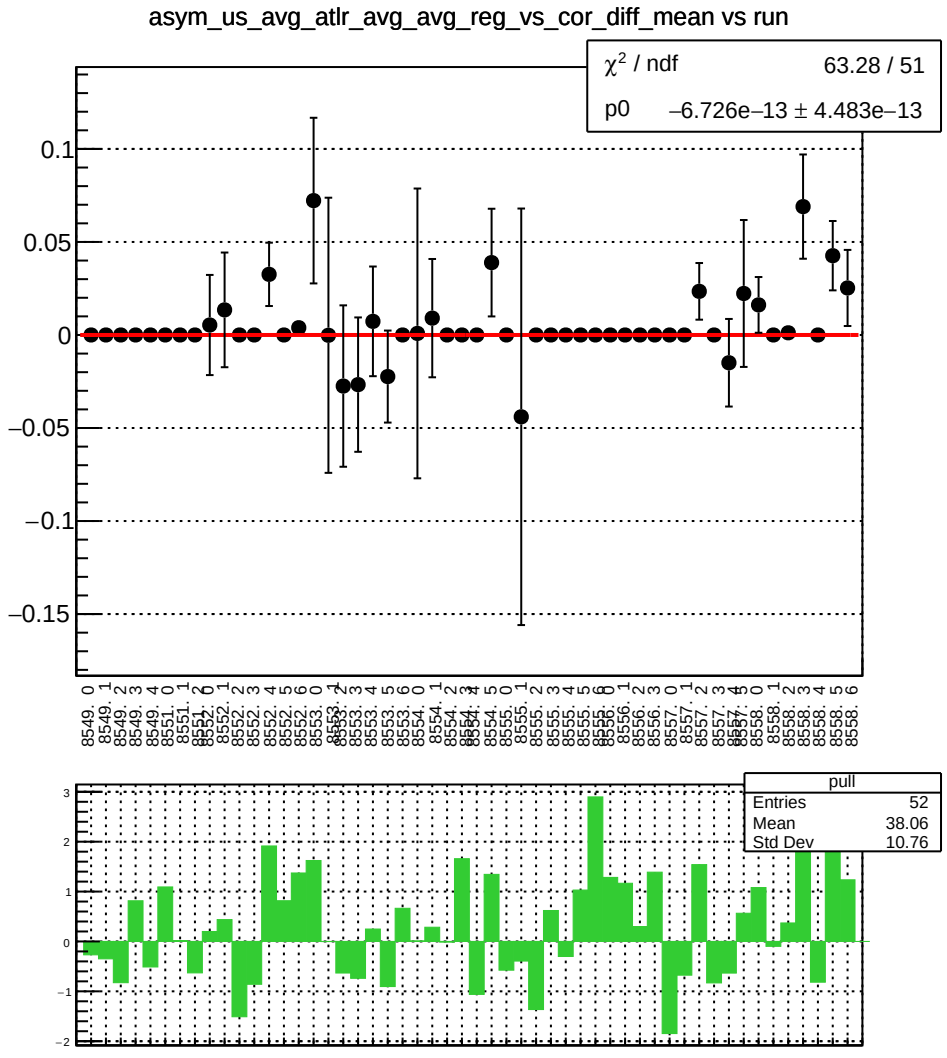

pull1D
Entries 52
Mean 0.005087
Std Dev 0.9577

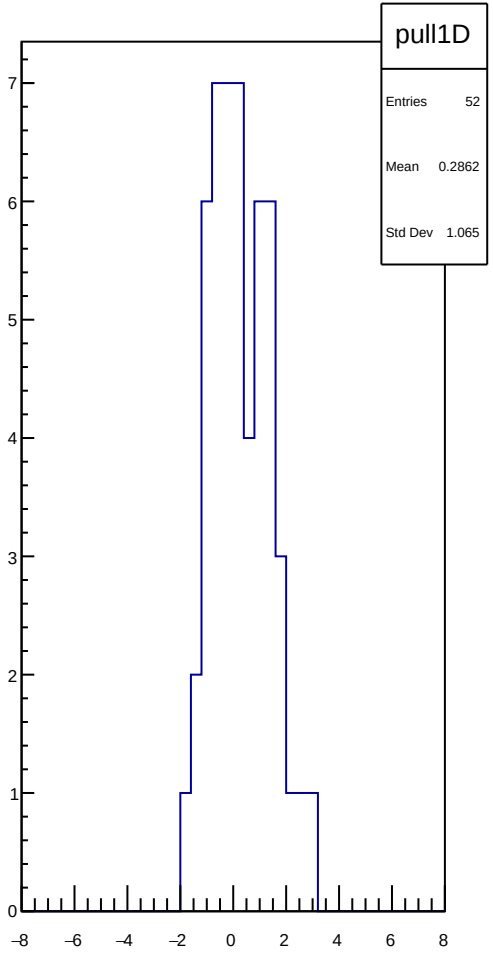

asym_us_avg_atlr_avg_avg_eigen_dit_correction_rms vs run
χ² / ndf 3821 / 51
p0 2247 ± 2.221
2600
2500
2400
2300
2200
2100
2000
1900
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

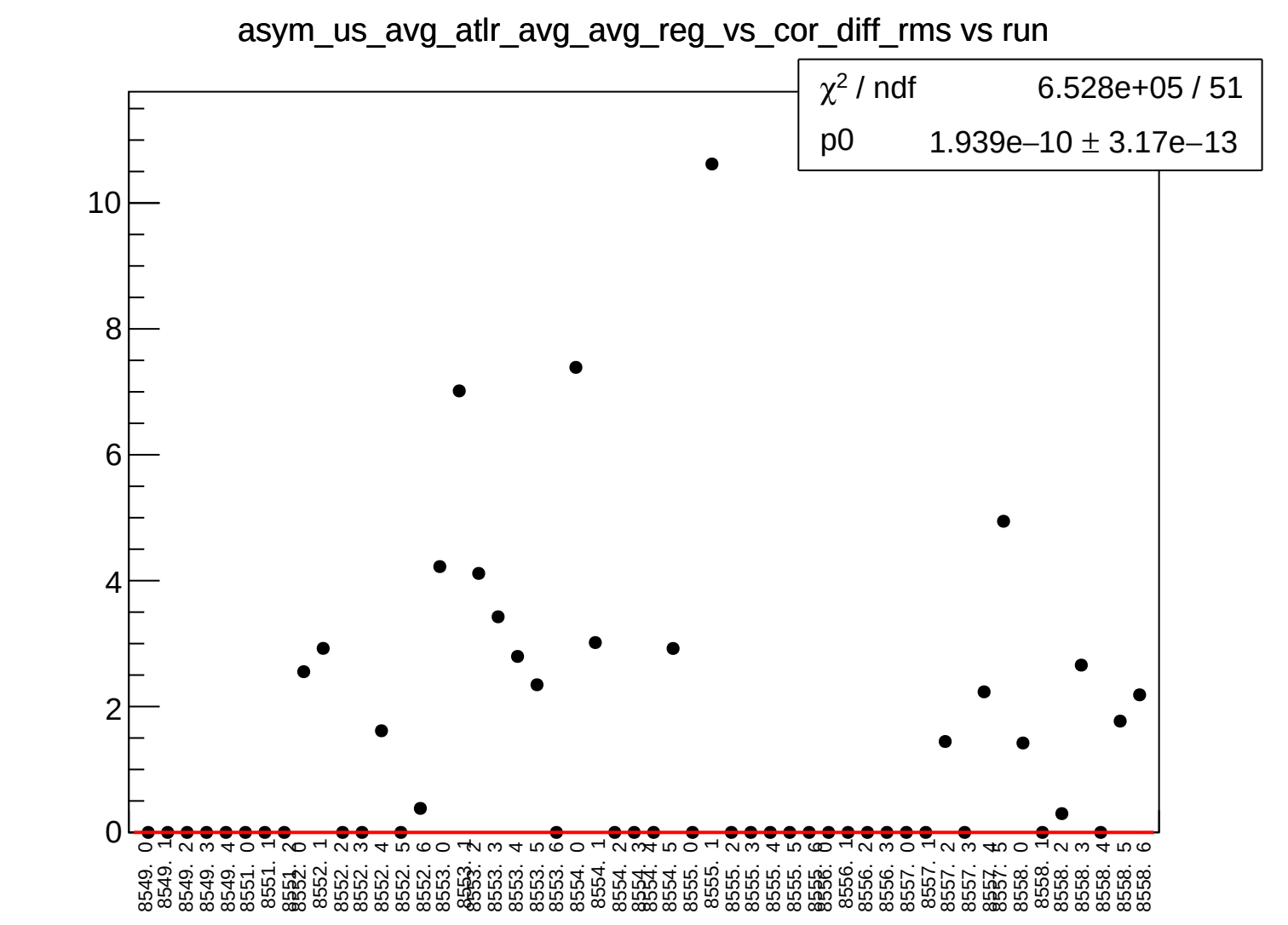

asym_us_avg_atlr_avg_avg_mean vs run
×10^3
χ² / ndf 34.52 / 50
p0 5640 ± 2.256e+04
400
200
0
−200
−400
pull
Entries 51
Mean 38.21
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5

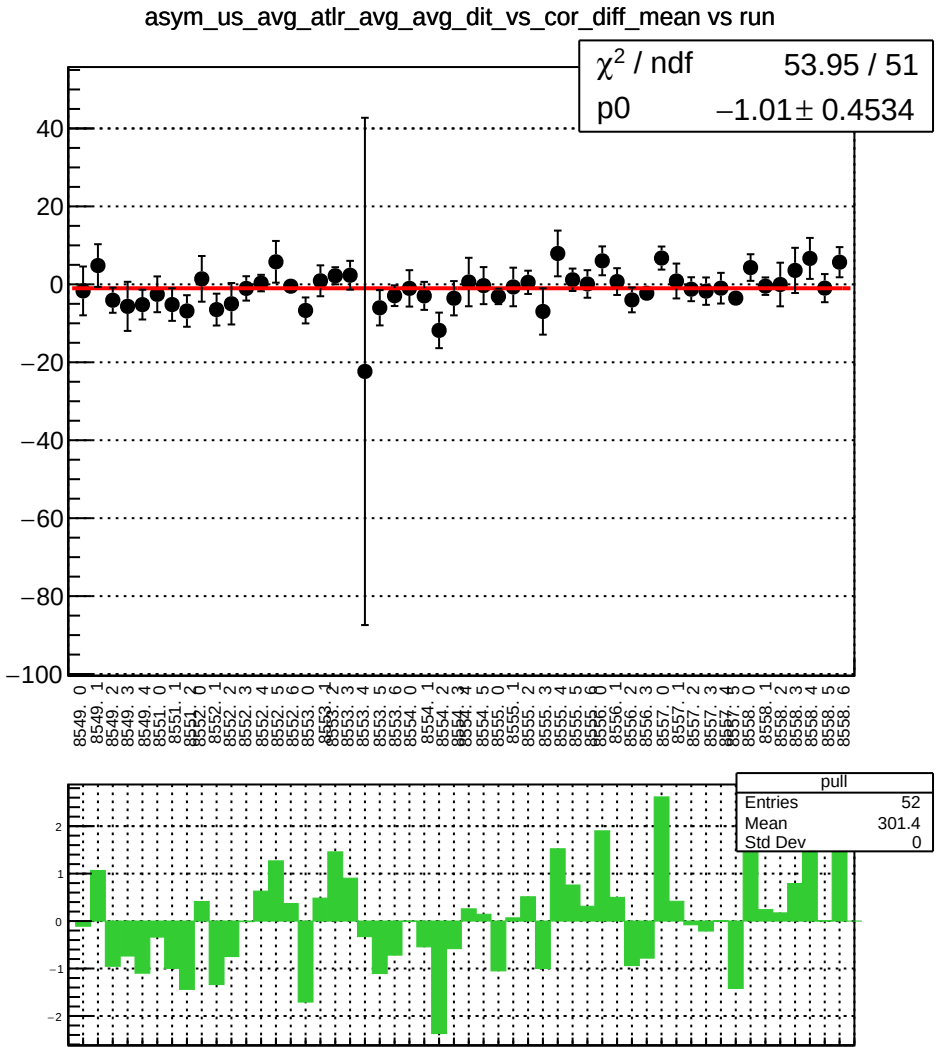

pull1D
Entries 51
Mean 0.01842
Std Dev 0.8225
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

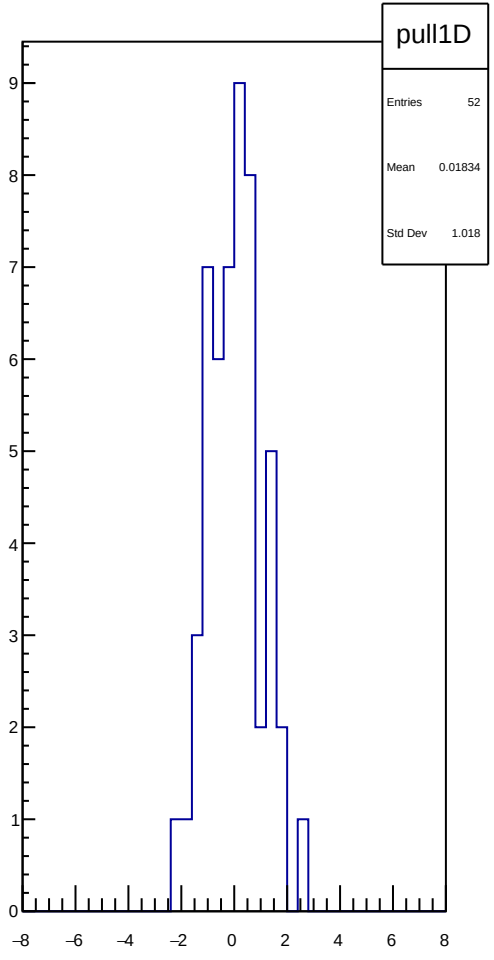

asym_us_avg_atlr_avg_avg_rms vs run
×10^3
400
350
300
250
200
150
100
50
χ² / ndf 2.89e+04 / 51
p0 1.593e+04 ± 15.95
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 5
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

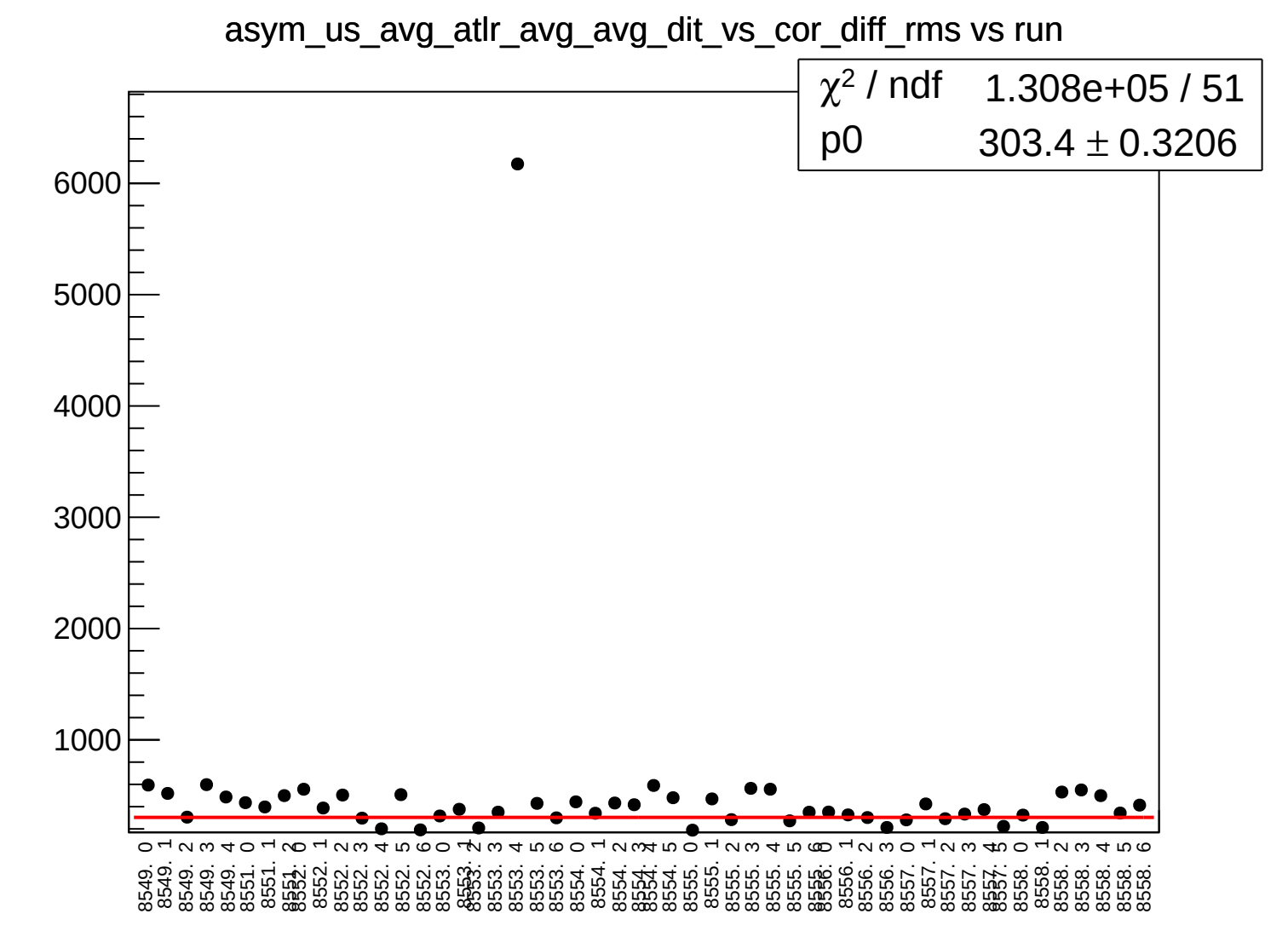

asym_us_avg_atlr_avg_avg_reg_vs_cor_diff_mean vs run
χ² / ndf 63.28 / 51
p0 −6.726e−13 ± 4.483e−13
pull
Entries 52
Mean 38.06
Std Dev 10.76

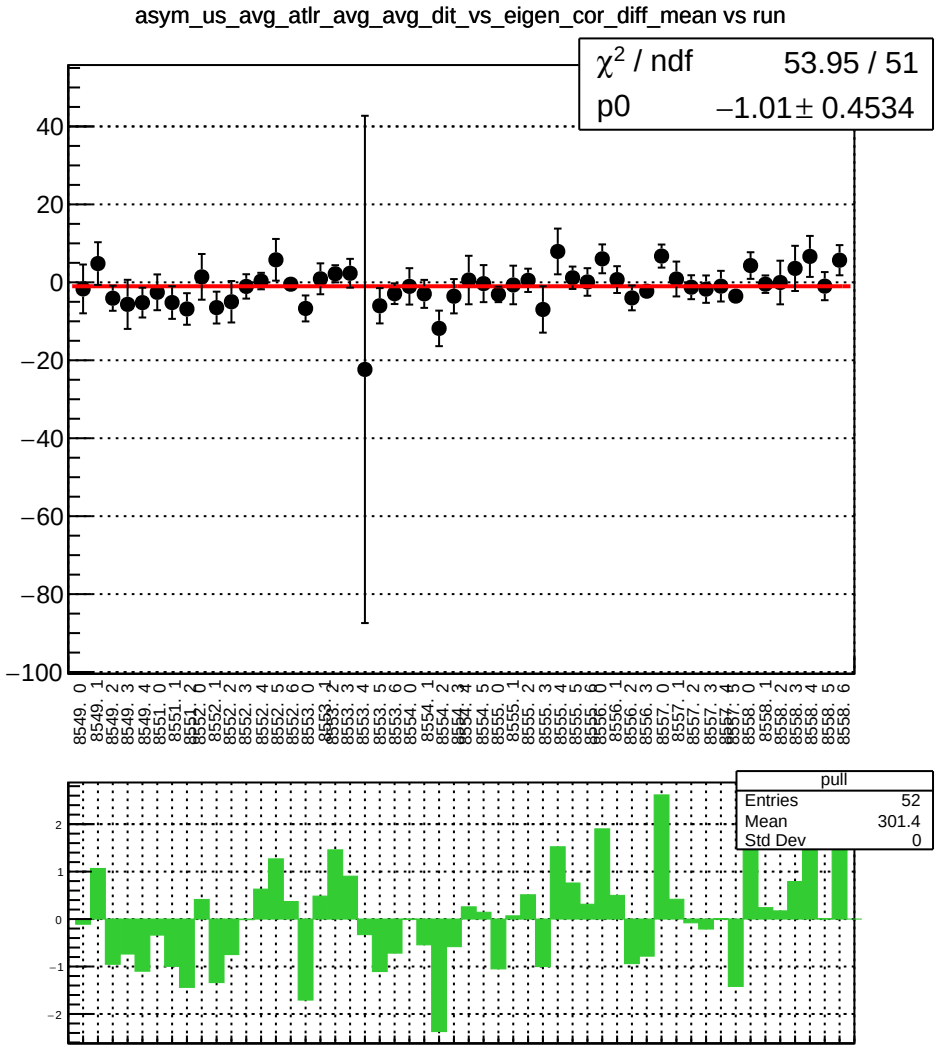

pull1D
Entries 52
Mean 0.2862
Std Dev 1.065

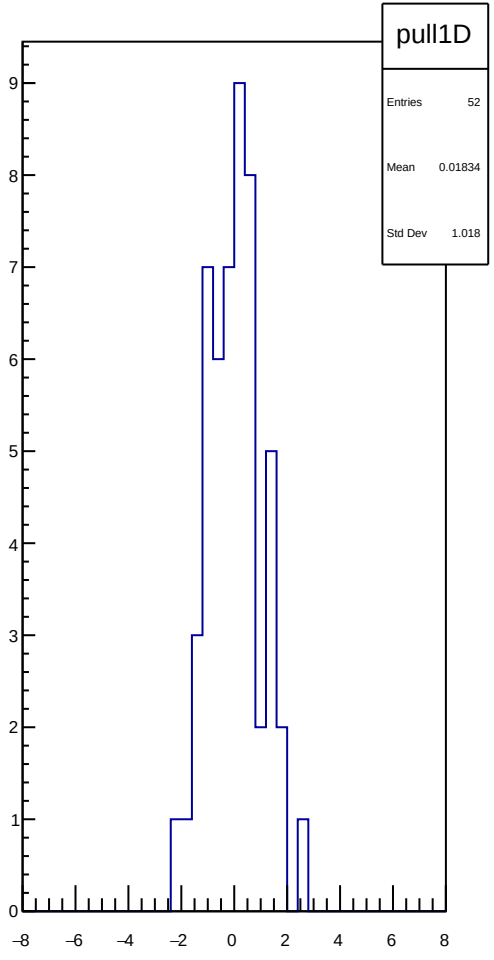

asym_us_avg_atlr_avg_avg_reg_vs_cor_diff_rms vs run
χ² / ndf 6.528e+05 / 51
p0 1.939e−10 ± 3.17e−13
0
2
4
6
8
10
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8549. 5
8551. 0
8551. 1
8551. 2
8552. 0
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 1
8553. 2
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 3
8554. 4
8554. 5
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8555. 6
8556. 0
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8557. 4
8557. 5
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

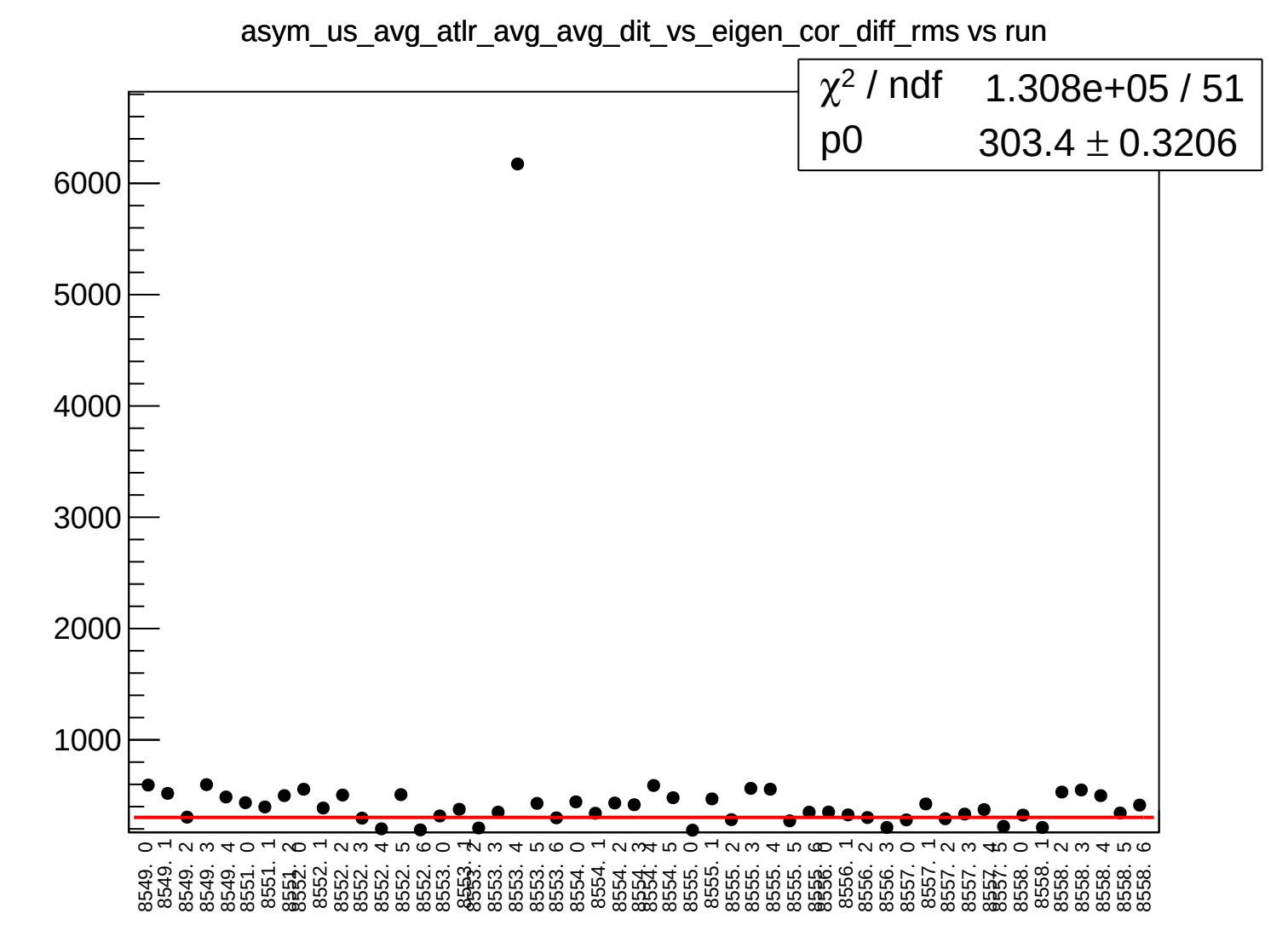

asym_us_avg_atlr_avg_avg_dit_vs_cor_diff_mean vs run
χ² / ndf 53.95 / 51
p0 −1.01 ± 0.4534
pull
Entries 52
Mean 301.4
Std Dev 0

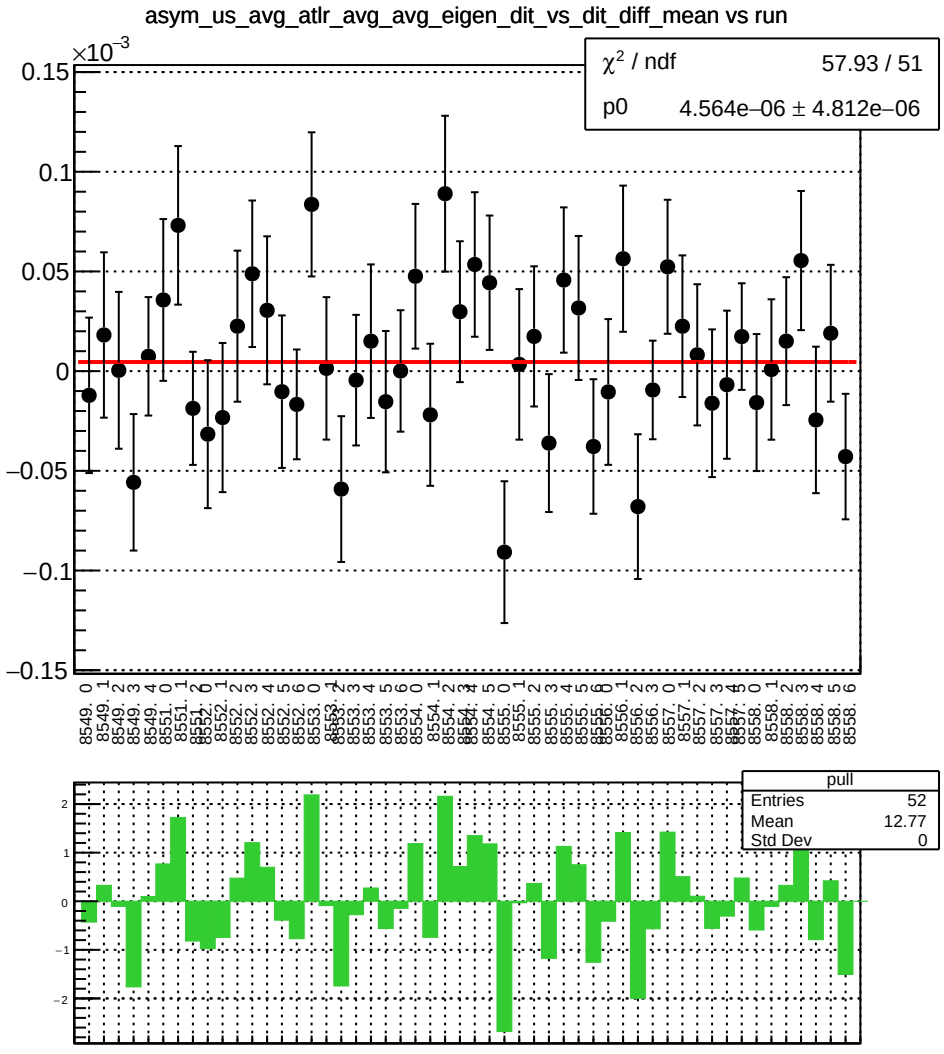

pull1D
Entries 52
Mean 0.01834
Std Dev 1.018

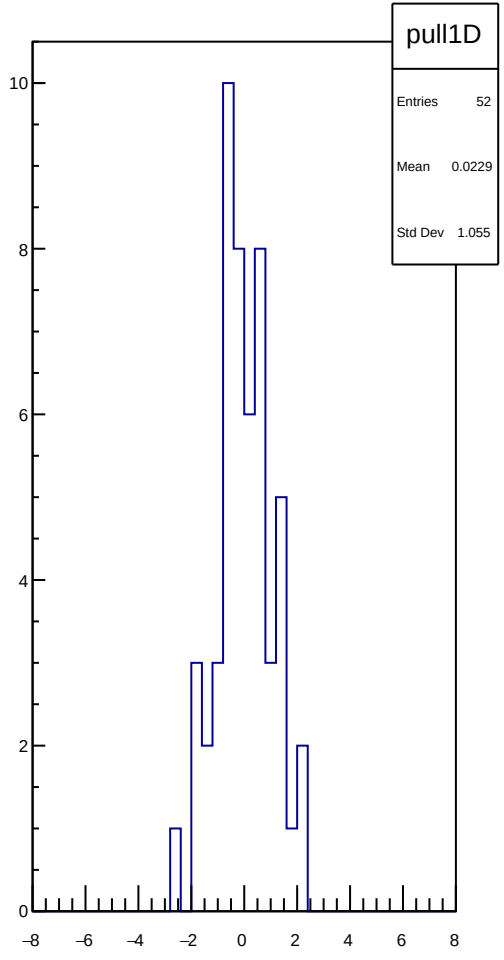

asym_us_avg_atlr_avg_avg_dit_vs_cor_diff_rms vs run
χ² / ndf 1.308e+05 / 51
p0 303.4 ± 0.3206
6000
5000
4000
3000
2000
1000
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 5
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

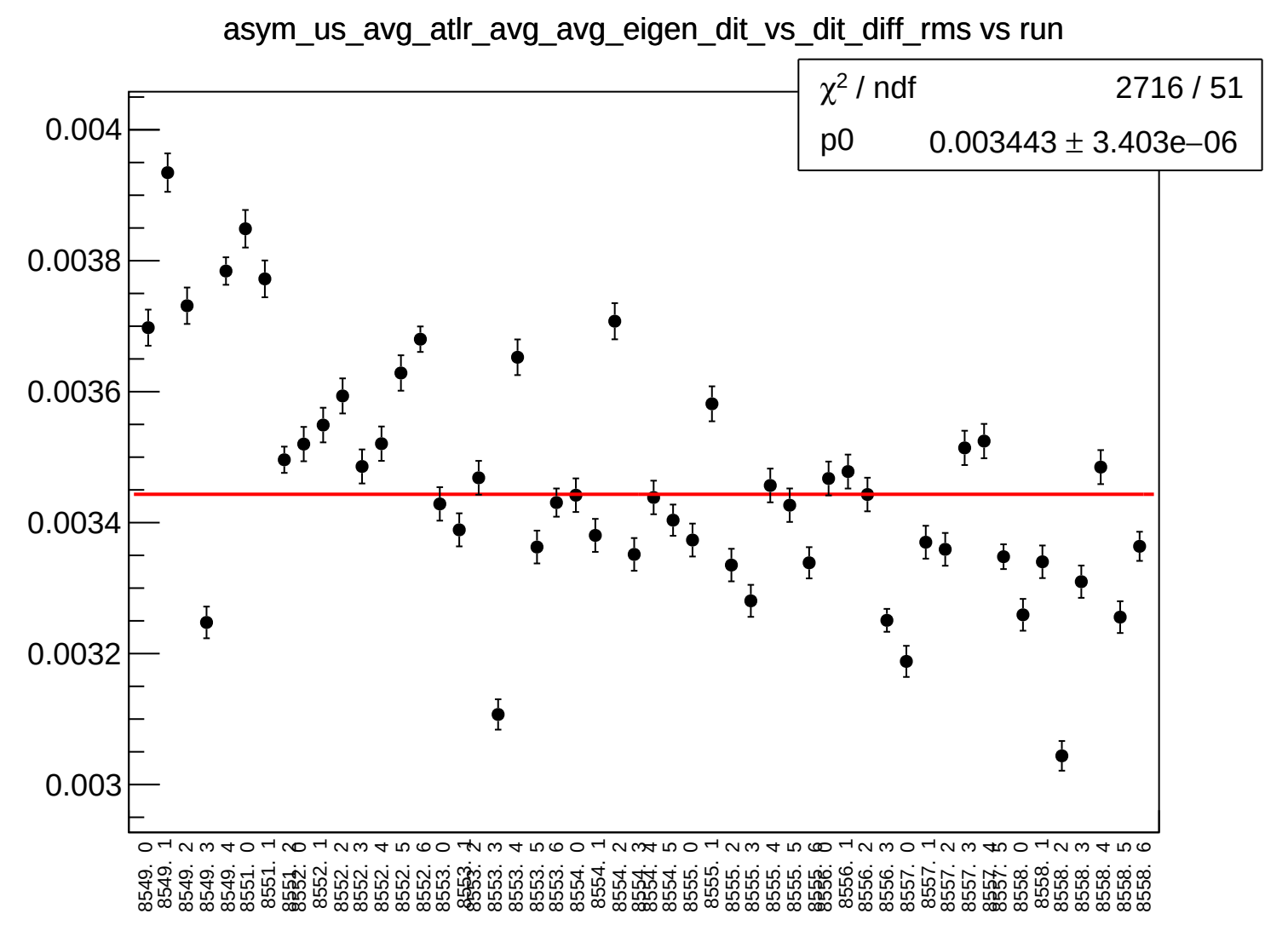

asym_us_avg_atlr_avg_avg_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 53.95 / 51
p0 −1.01 ± 0.4534
pull
Entries 52
Mean 301.4
Std Dev 0

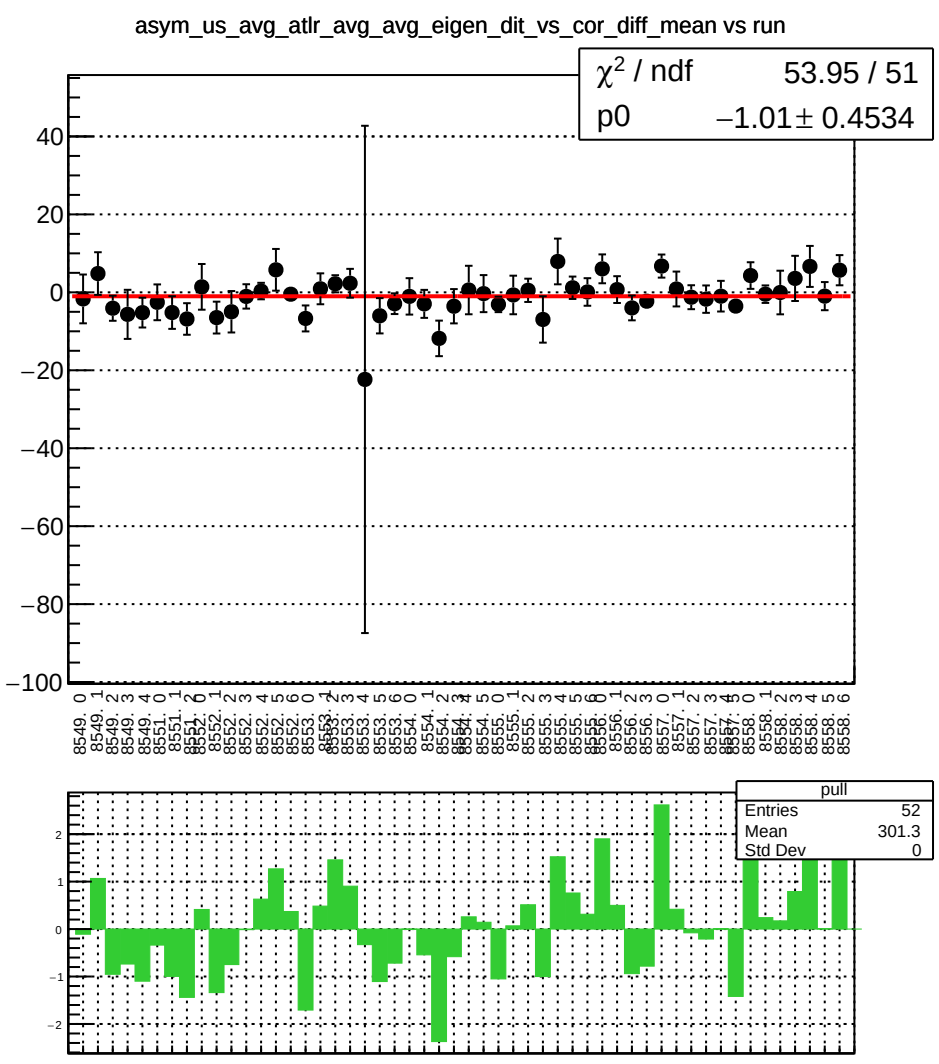

pull1D
Entries 52
Mean 0.01834
Std Dev 1.018

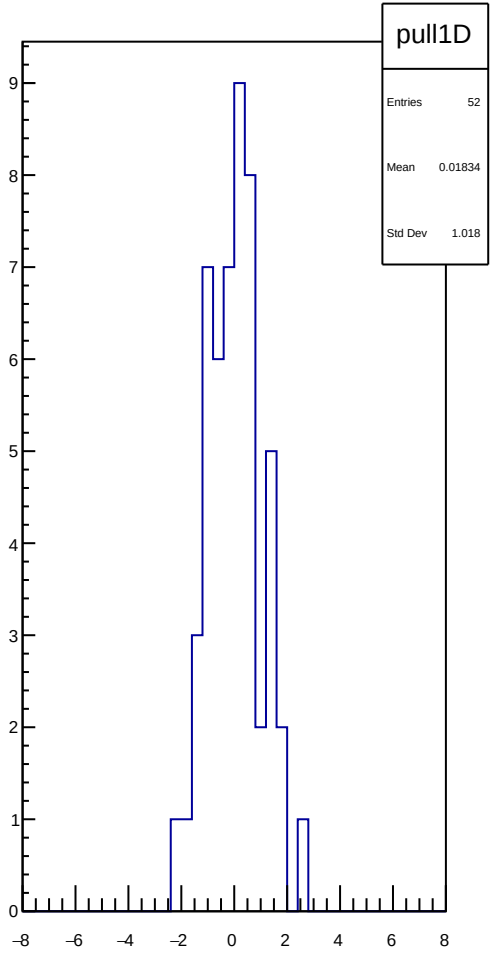

asym_us_avg_atlr_avg_avg_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.308e+05 / 51
p0 303.4 ± 0.3206
6000
5000
4000
3000
2000
1000
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 5
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

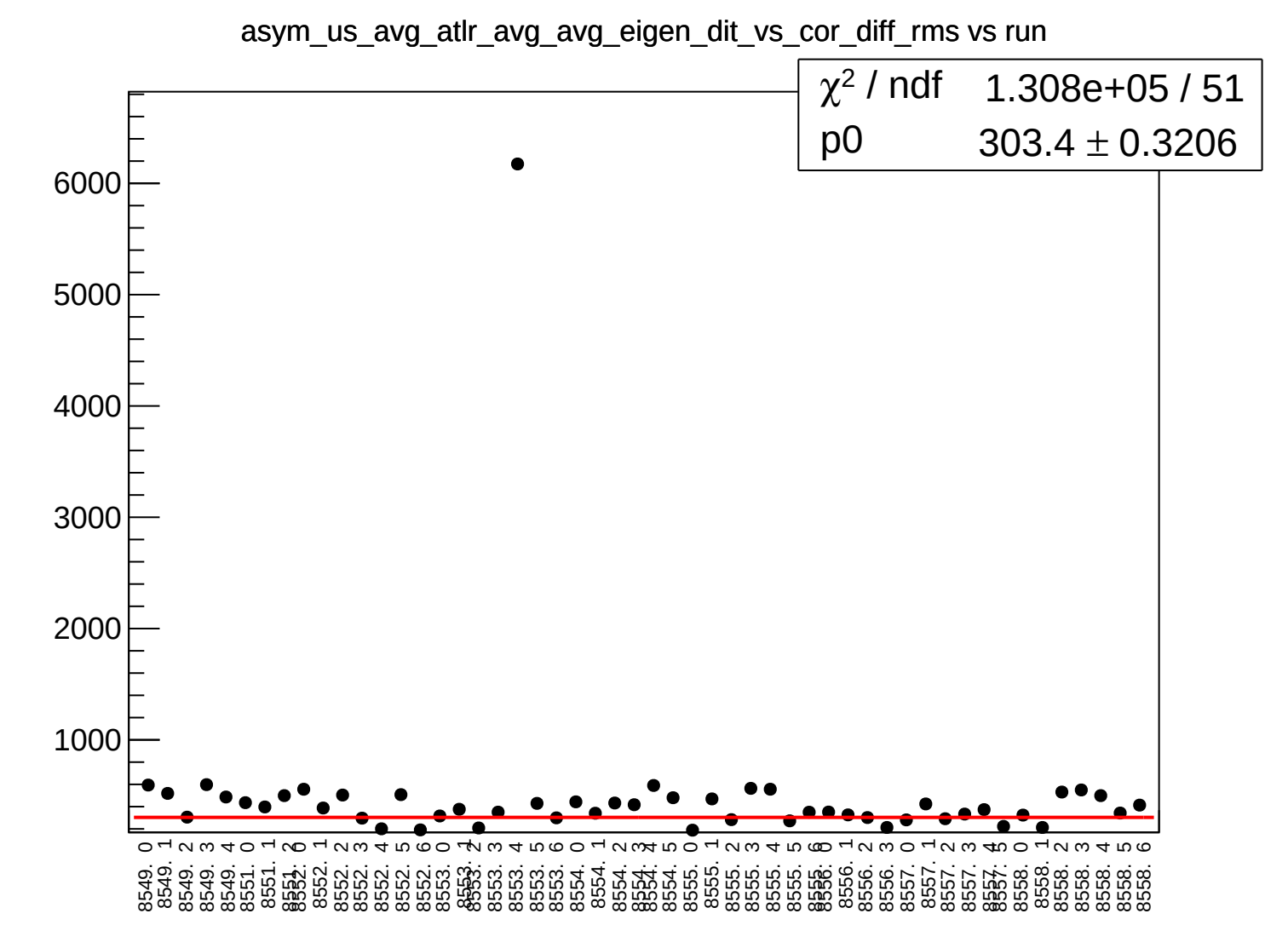

asym_us_avg_atlr_avg_avg_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 57.93 / 51
p0 4.564e−06 ± 4.812e−06
pull
Entries 52
Mean 12.77
Std Dev 0

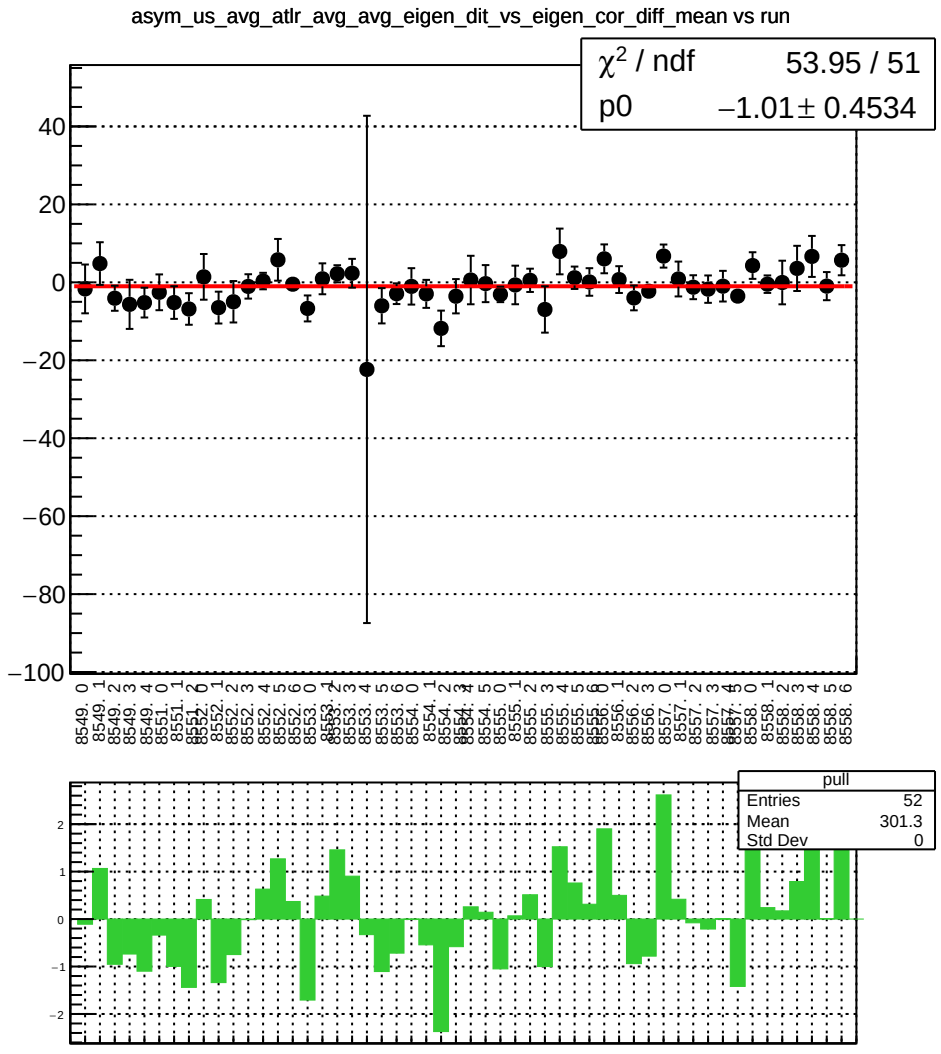

pull1D
Entries 52
Mean 0.0229
Std Dev 1.055

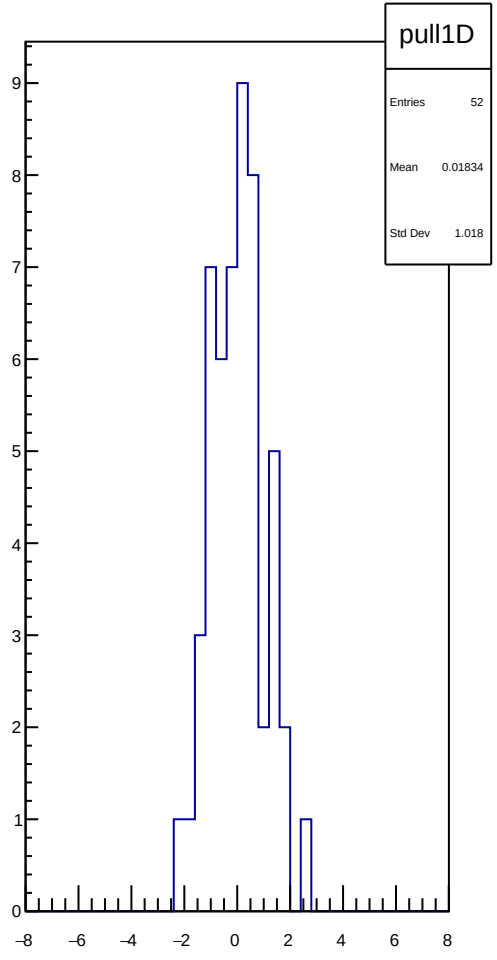

asym_us_avg_atlr_avg_avg_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 2716 / 51
p0 0.003443 ± 3.403e−06
0.004
0.0038
0.0036
0.0034
0.0032
0.003
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 5
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

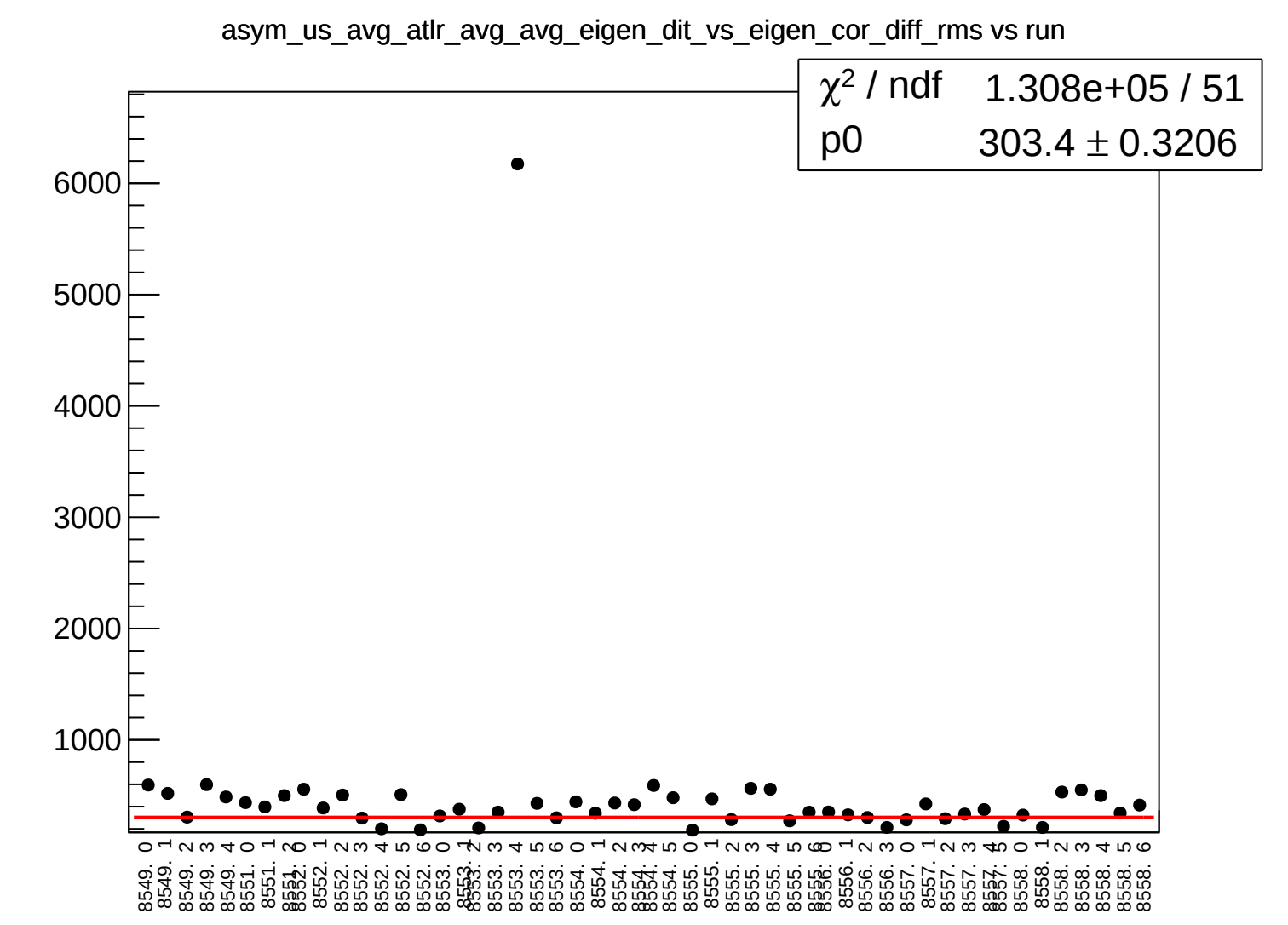

asym_us_avg_atlr_avg_avg_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 53.95 / 51
p0 −1.01 ± 0.4534
pull
Entries 52
Mean 301.3
Std Dev 0

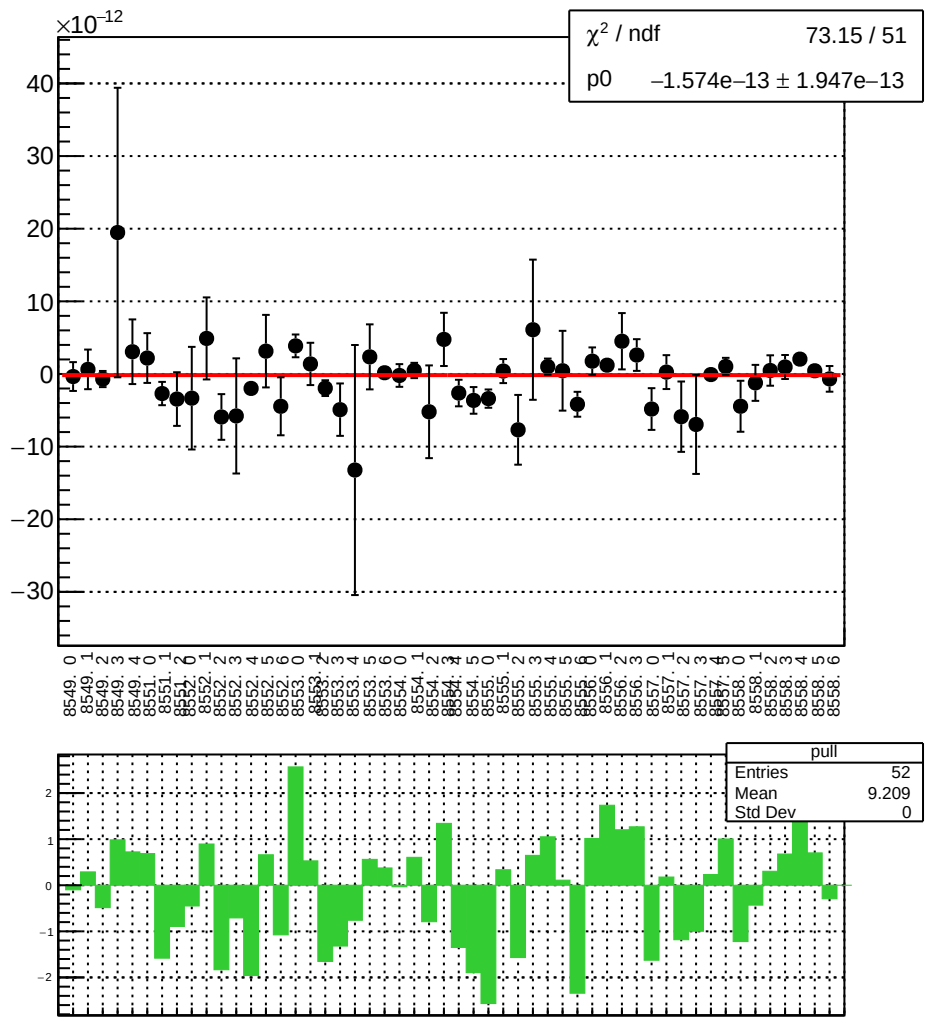

pull1D
Entries 52
Mean 0.01834
Std Dev 1.018

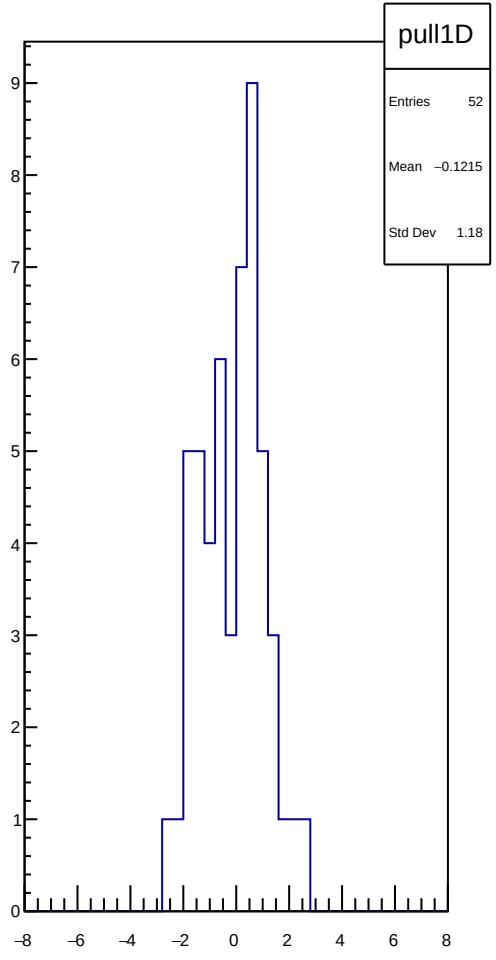

asym_us_avg_atlr_avg_avg_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 1.308e+05 / 51
p0 303.4 ± 0.3206
6000
5000
4000
3000
2000
1000
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 5
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

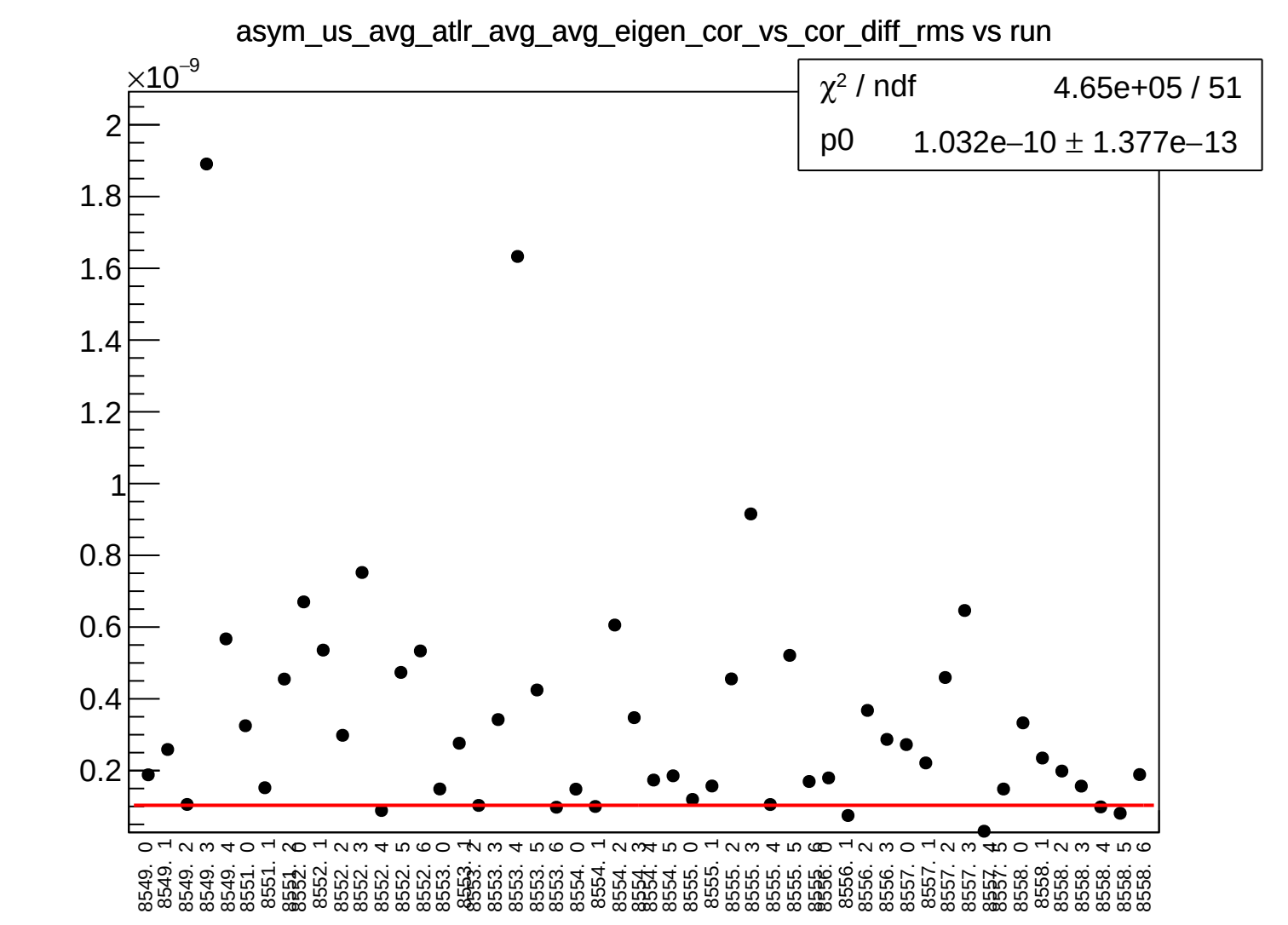

asym_us_avg_atlr_avg_avg_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 53.95 / 51
p0 −1.01 ± 0.4534
pull
Entries 52
Mean 301.3
Std Dev 0

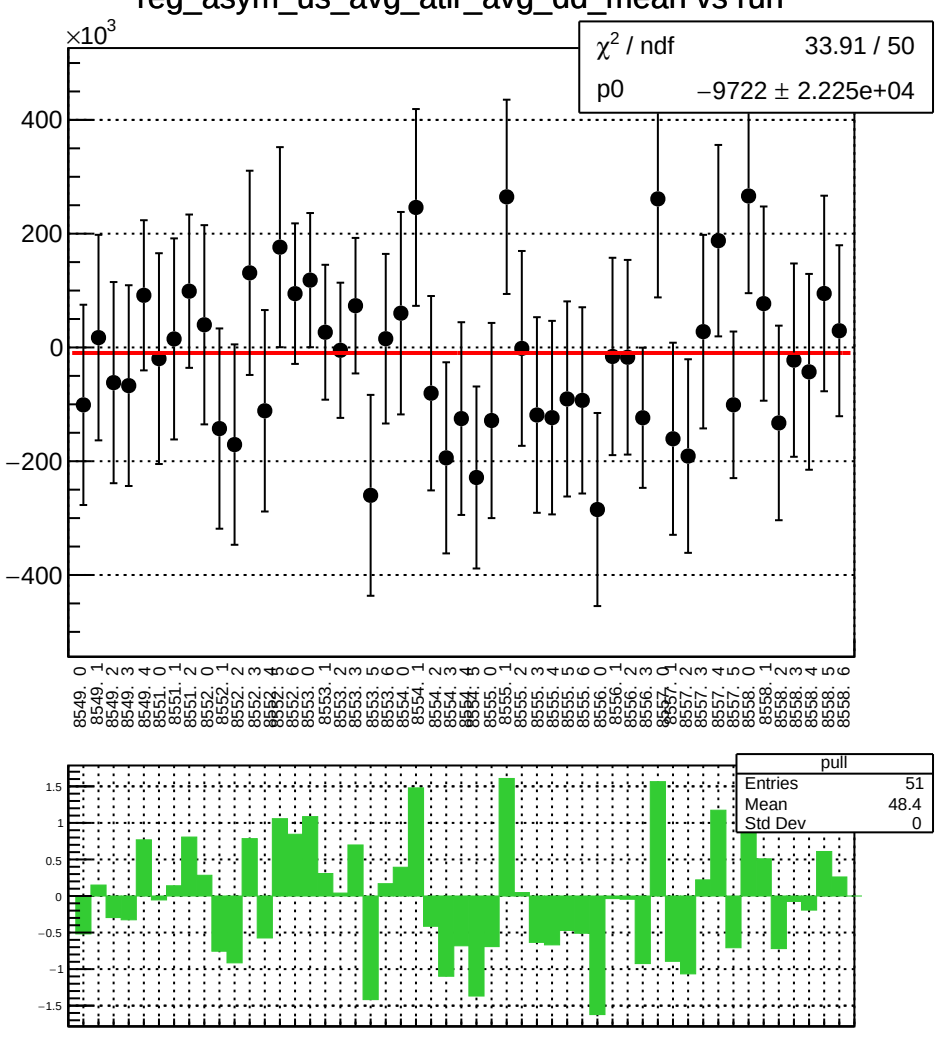

pull1D
Entries 52
Mean 0.01834
Std Dev 1.018

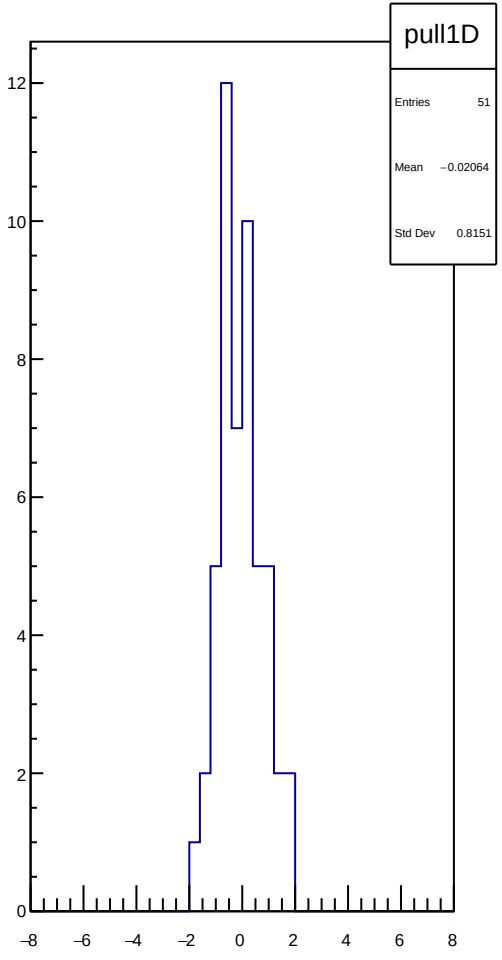

asym_us_avg_atlr_avg_avg_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.308e+05 / 51
p0 303.4 ± 0.3206
6000
5000
4000
3000
2000
1000
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 0
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 2
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 5
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

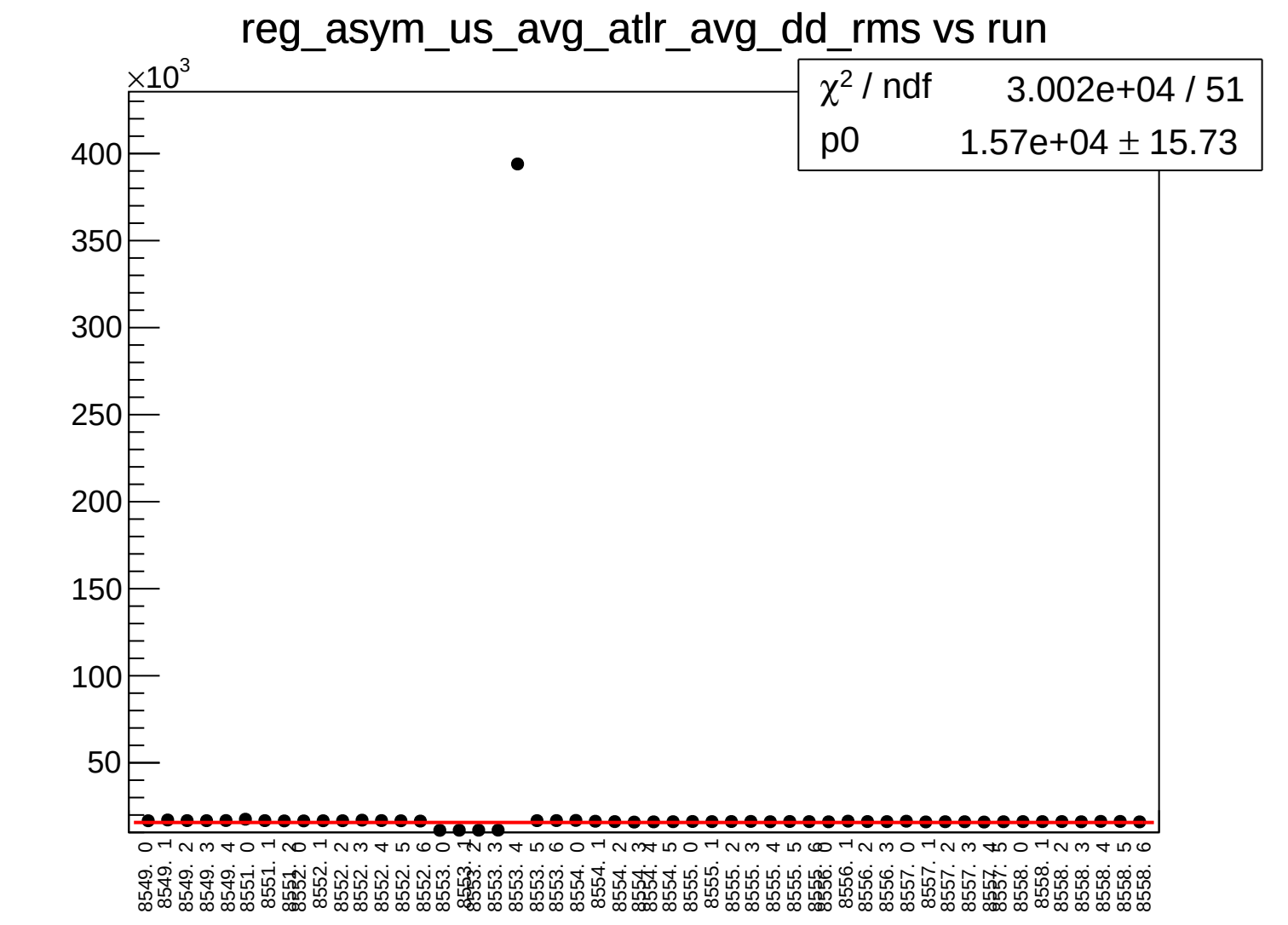

asym_us_avg_atlr_avg_avg_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 73.15 / 51
p0 −1.574e−13 ± 1.947e−13
pull
Entries 52
Mean 9.209
Std Dev 0

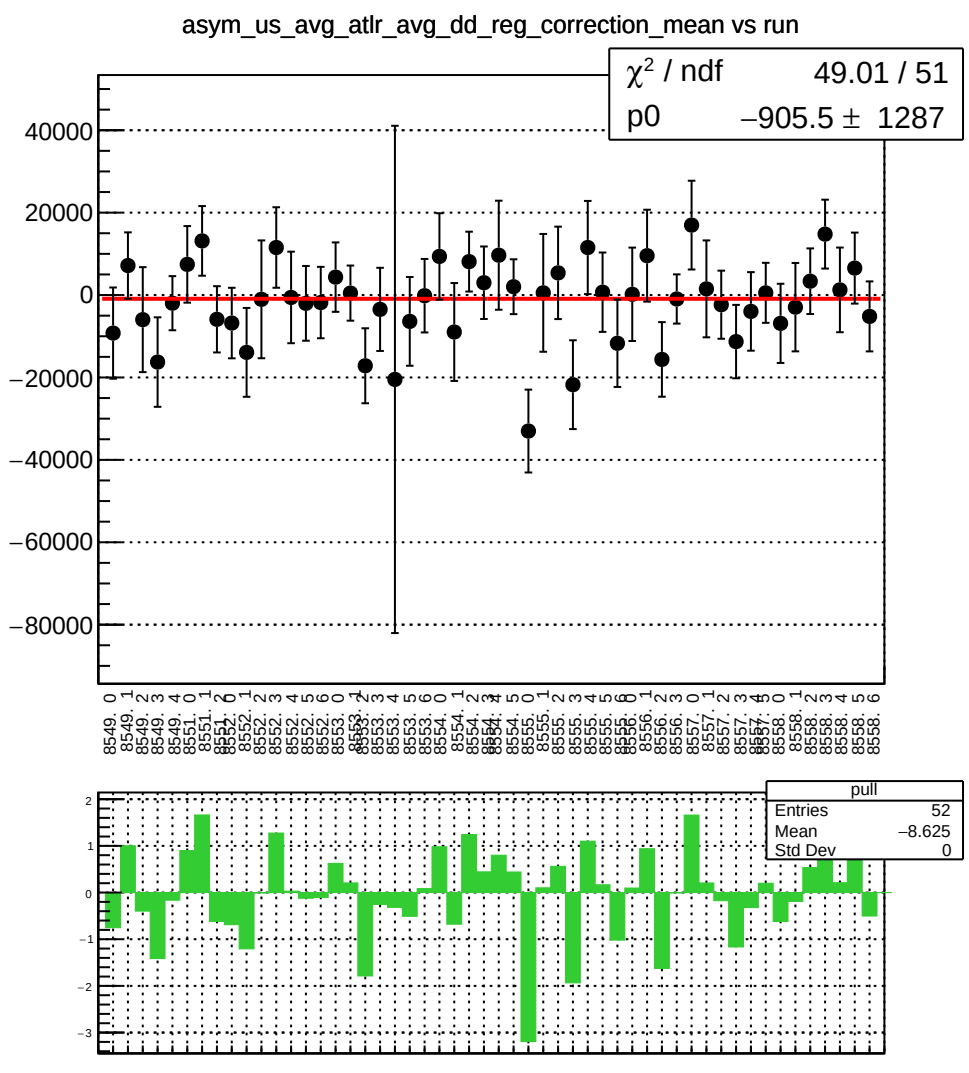

pull1D
Entries 52
Mean −0.1215
Std Dev 1.18

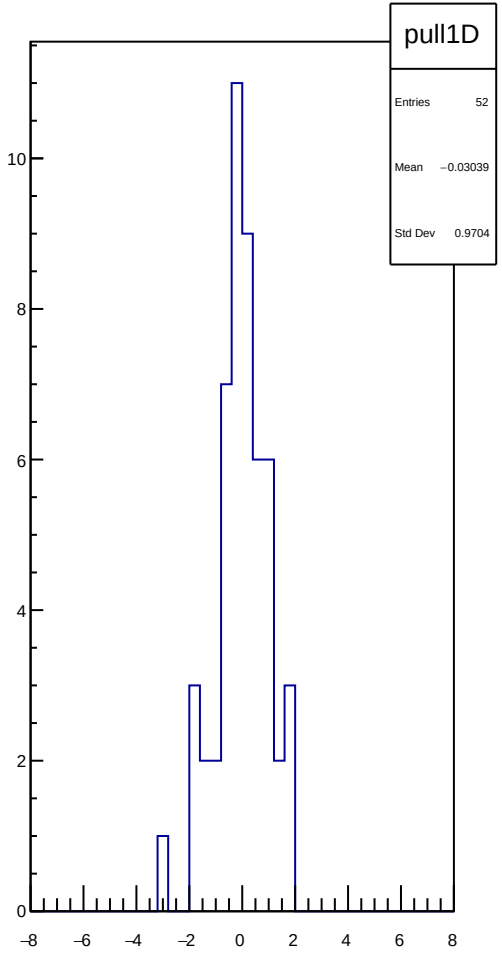

asym_us_avg_atlr_avg_avg_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 4.65e+05 / 51
p0 1.032e−10 ± 1.377e−13
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

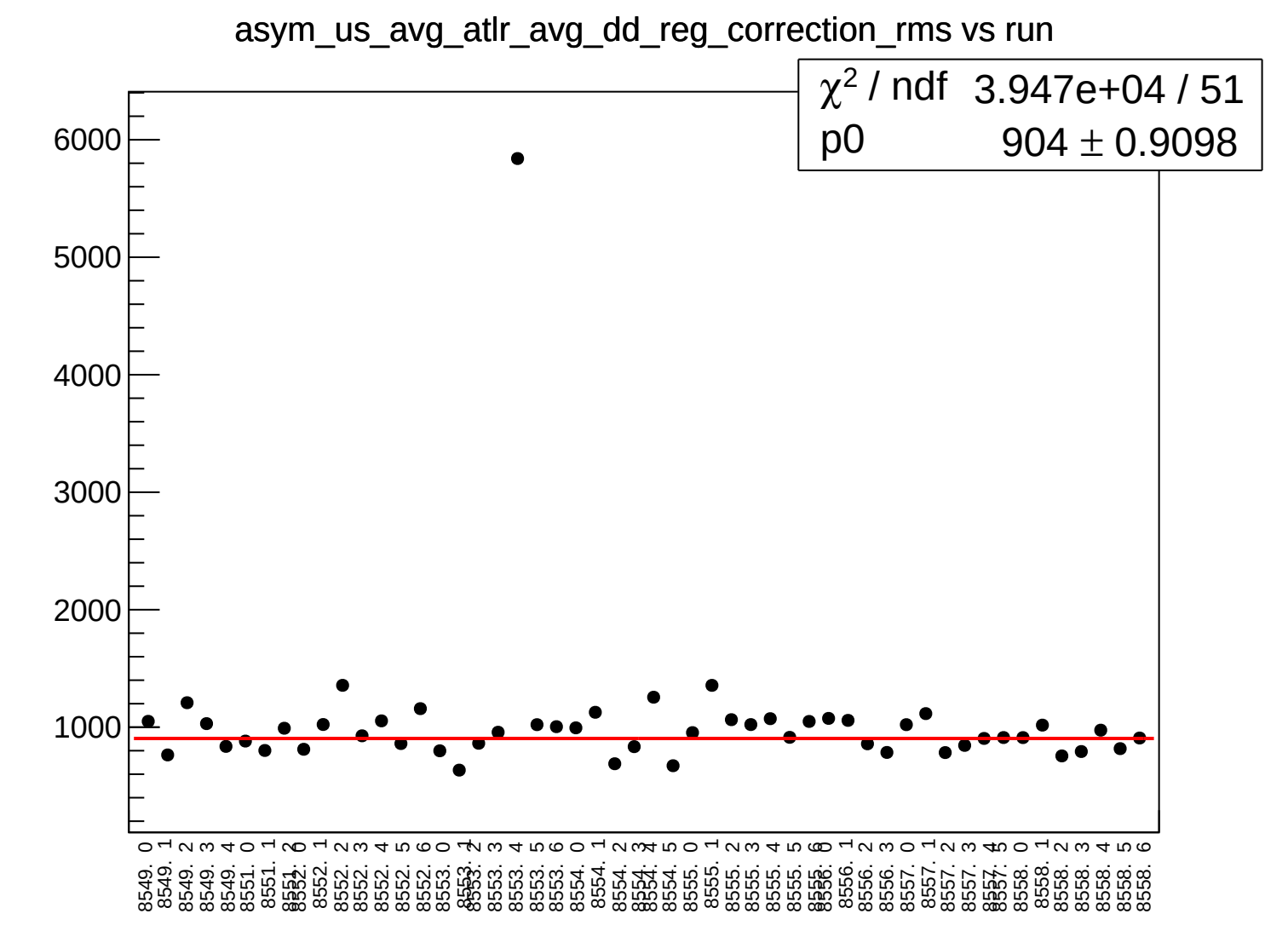

reg_asym_us_avg_atlr_avg_dd_mean vs run
×10^3
χ² / ndf 33.91 / 50
p0 −9722 ± 2.225e+04
400
200
0
−200
−400
pull
Entries 51
Mean 48.4
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5

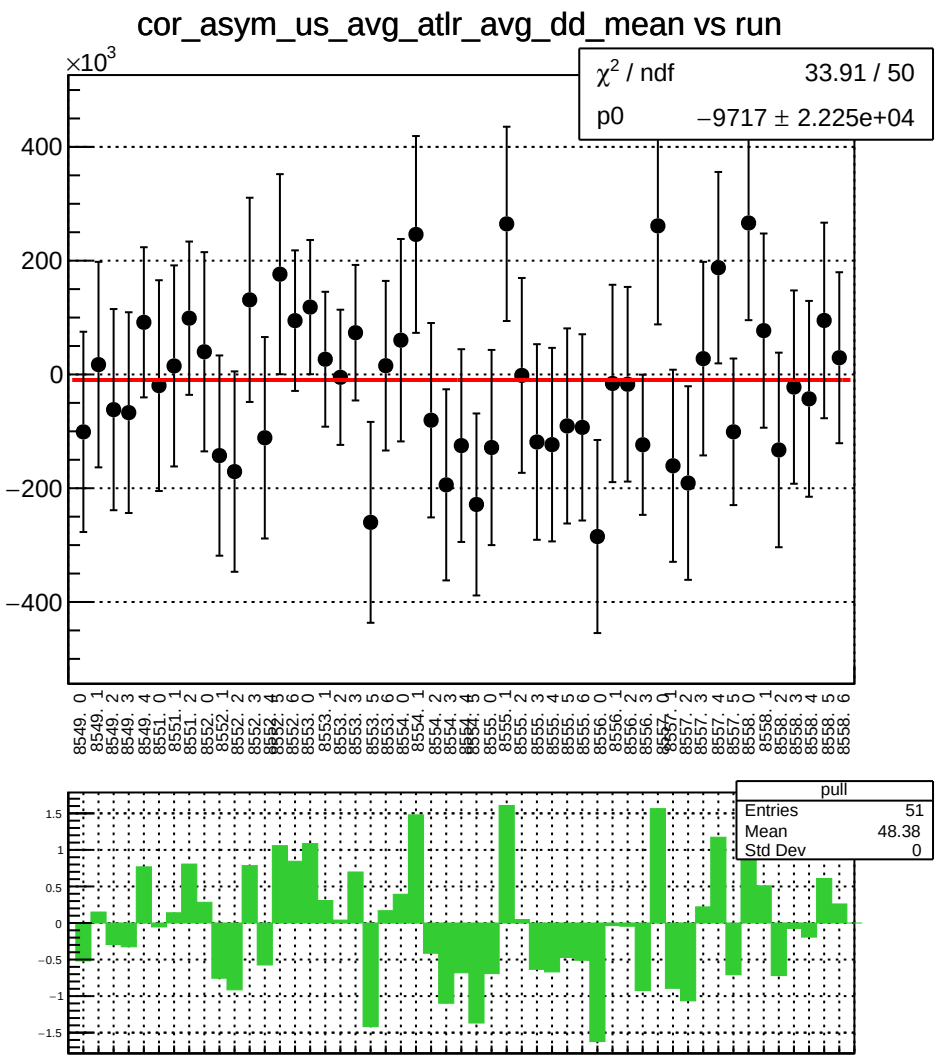

pull1D
Entries 51
Mean −0.02064
Std Dev 0.8151
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

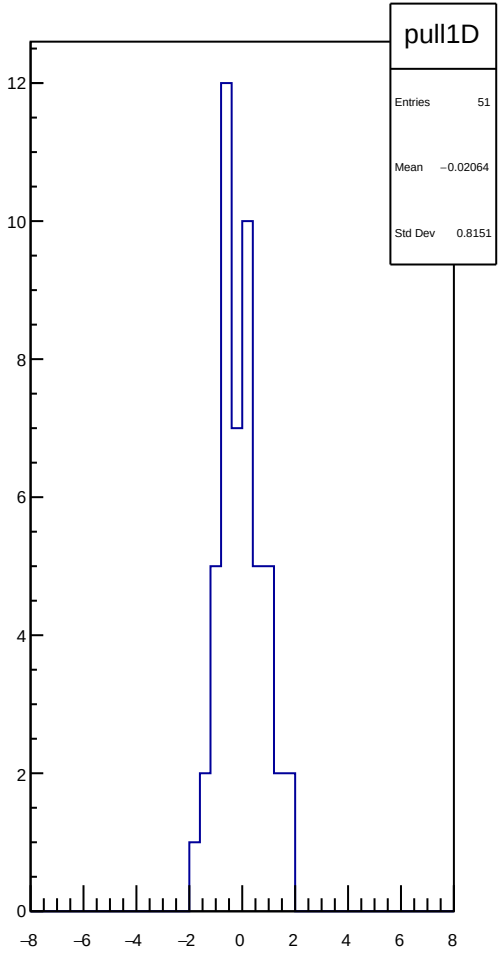

reg_asym_us_avg_atlr_avg_dd_rms vs run
×10^3
400
350
300
250
200
150
100
50
χ² / ndf 3.002e+04 / 51
p0 1.57e+04 ± 15.73
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 0
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 1
8553. 2
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 3
8554. 4
8554. 5
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

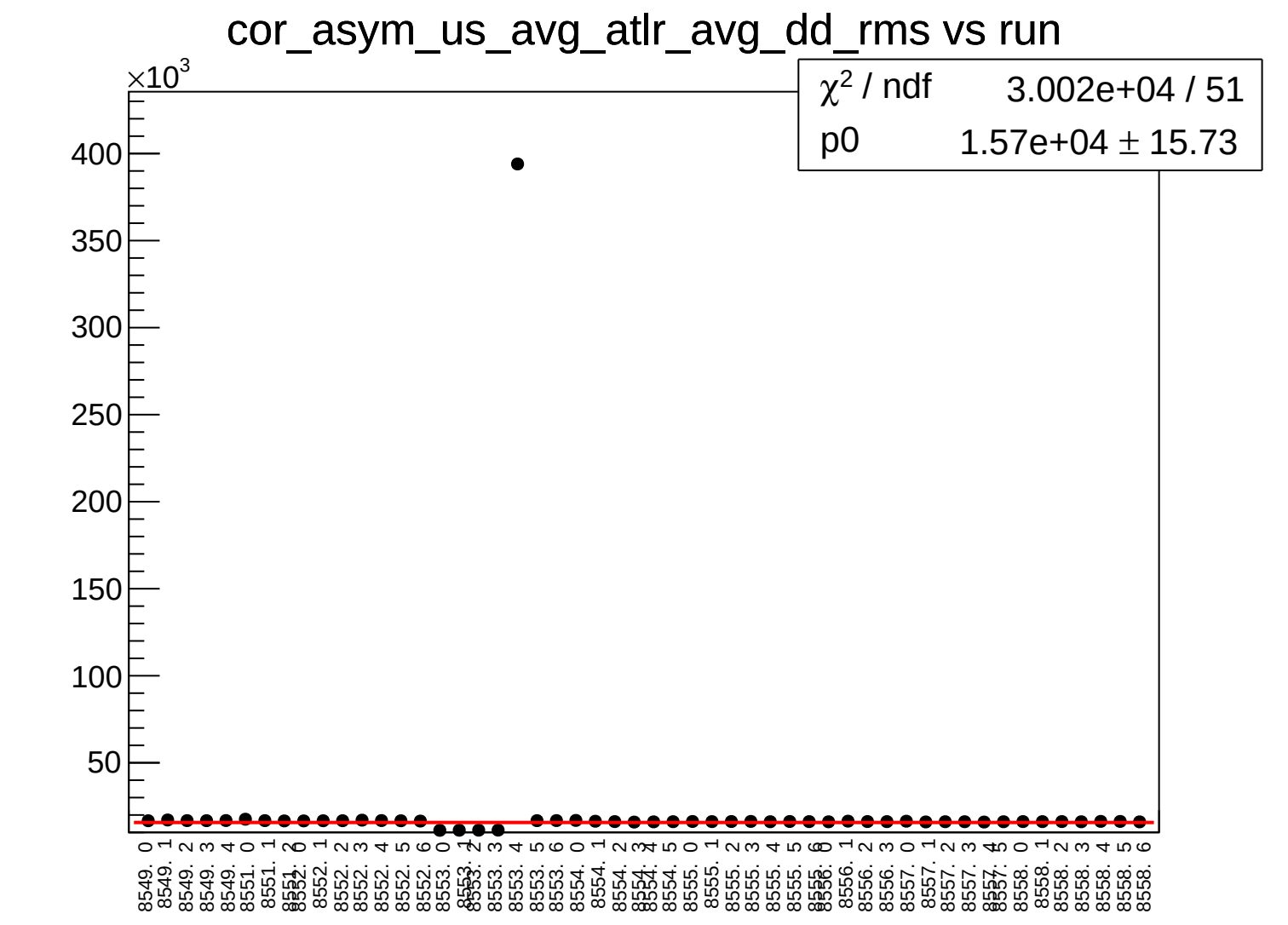

asym_us_avg_atlr_avg_dd_reg_correction_mean vs run
χ² / ndf 49.01 / 51
p0 −905.5 ± 1287
40000
20000
0
−20000
−40000
−60000
−80000
pull
Entries 52
Mean −8.625
Std Dev 0
2
1
0
−1
−2
−3

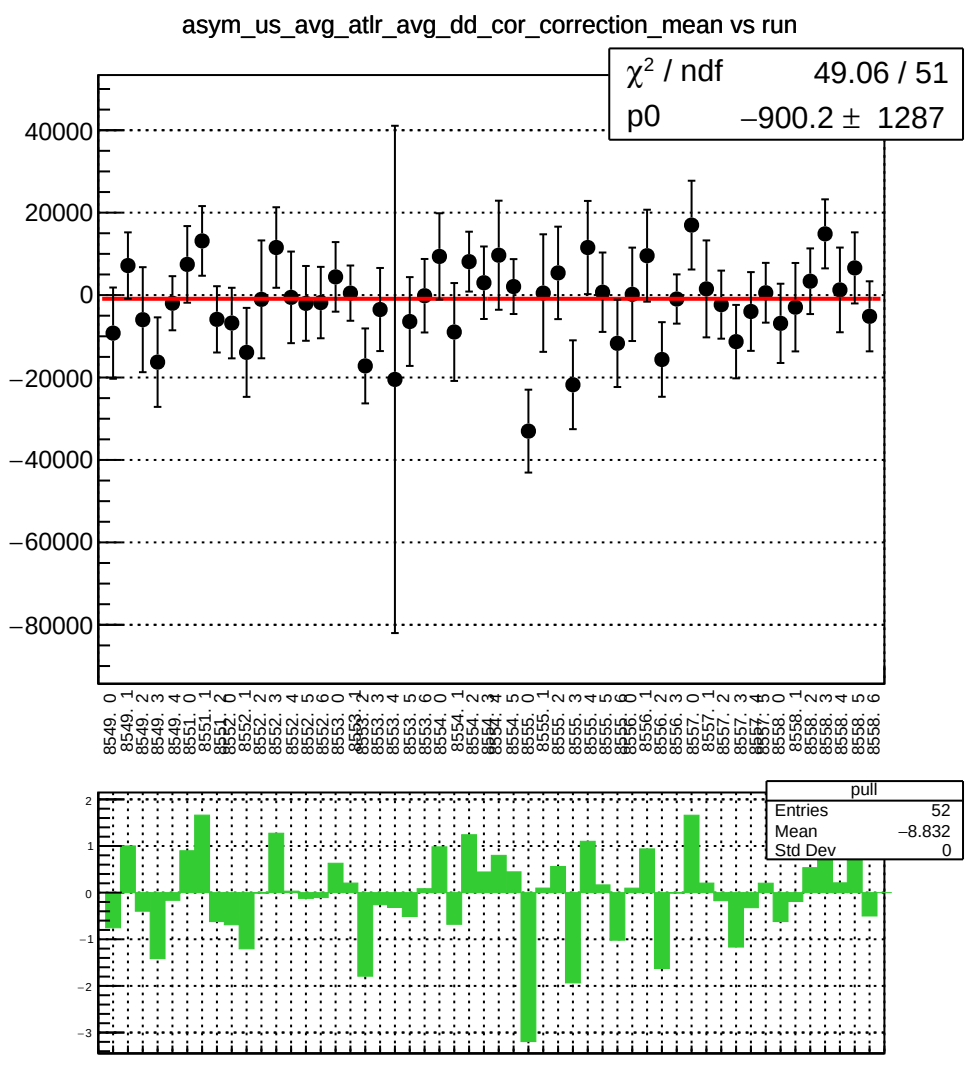

pull1D
Entries 52
Mean −0.03039
Std Dev 0.9704
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

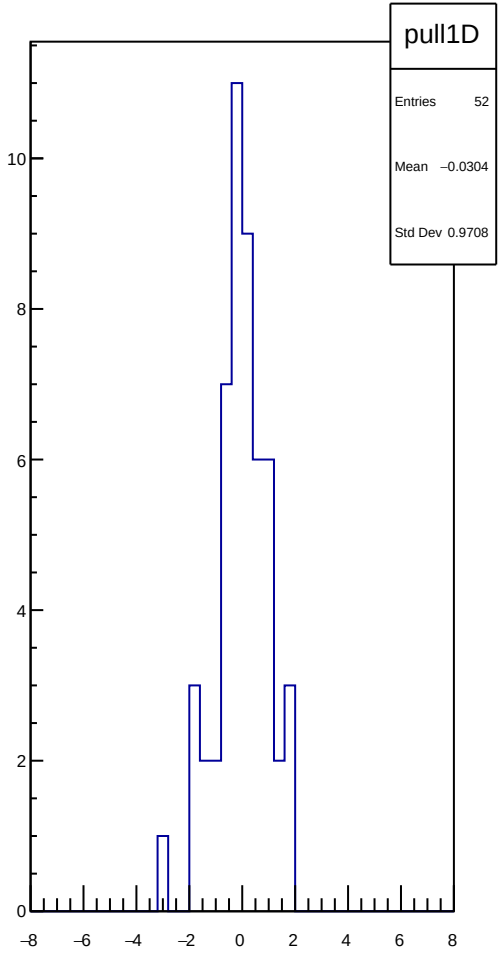

asym_us_avg_atlr_avg_dd_reg_correction_rms vs run
χ² / ndf 3.947e+04 / 51
p0 904 ± 0.9098
6000
5000
4000
3000
2000
1000
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 5
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

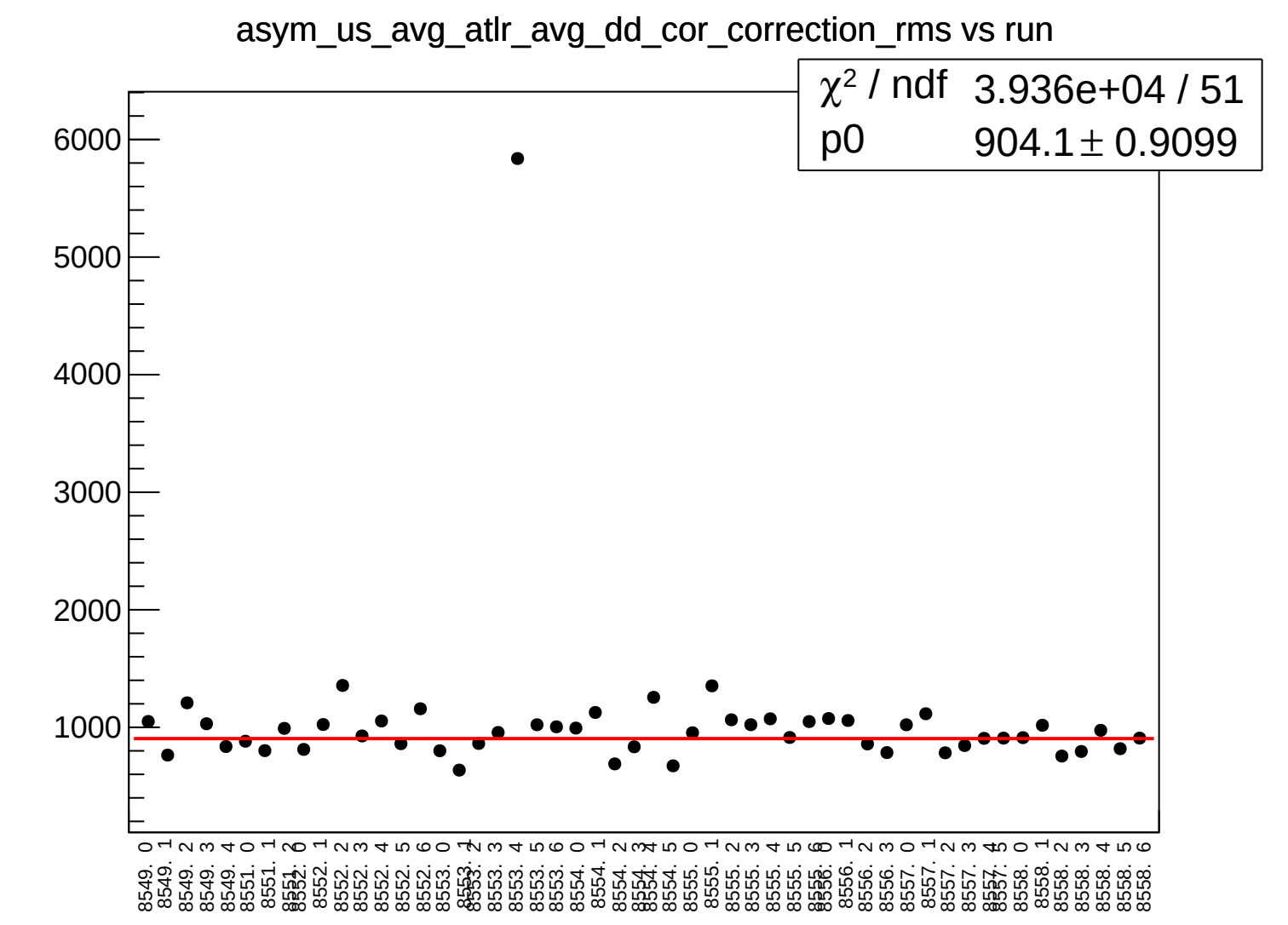

cor_asym_us_avg_atlr_avg_dd_mean vs run
×10^3
χ² / ndf 33.91 / 50
p0 −9717 ± 2.225e+04
400
200
0
−200
−400
pull
Entries 51
Mean 48.38
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5

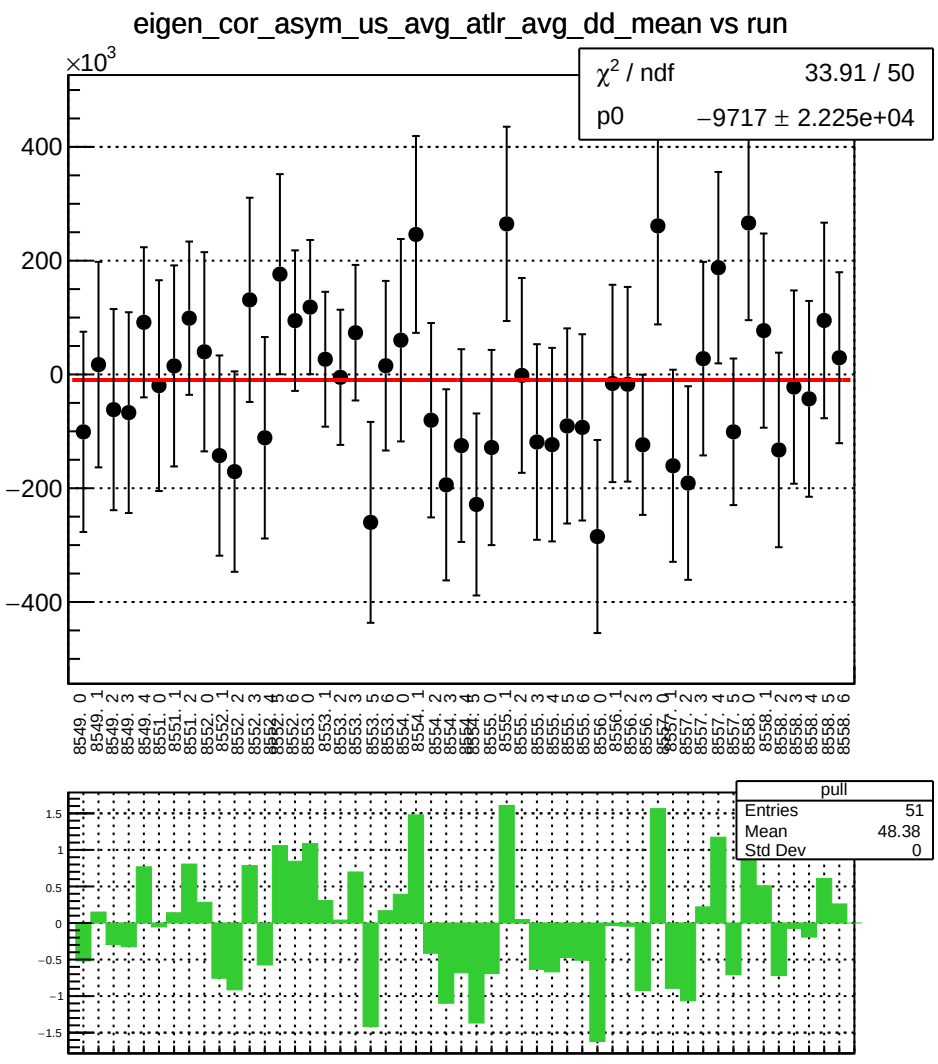

pull1D
Entries 51
Mean −0.02064
Std Dev 0.8151
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

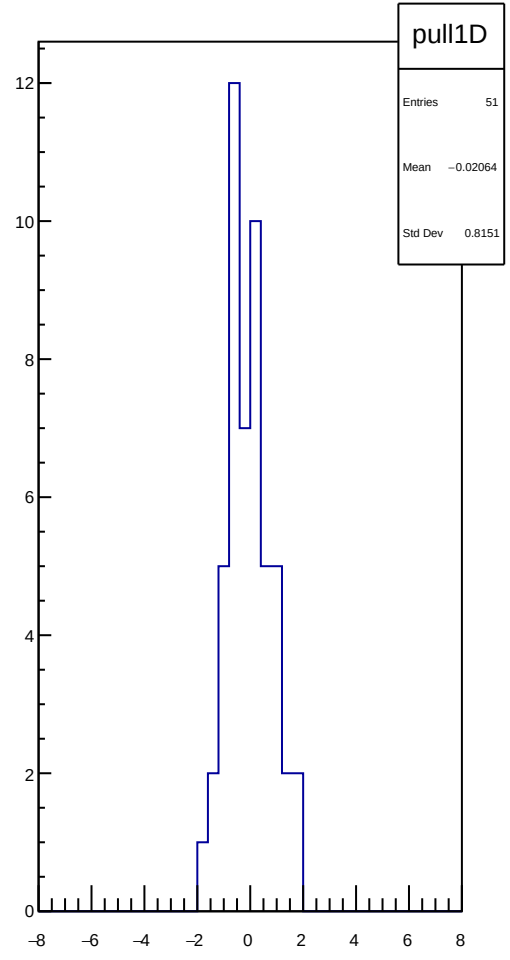

cor_asym_us_avg_atlr_avg_dd_rms vs run
×10^3
400
350
300
250
200
150
100
50
χ² / ndf 3.002e+04 / 51
p0 1.57e+04 ± 15.73
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 5
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

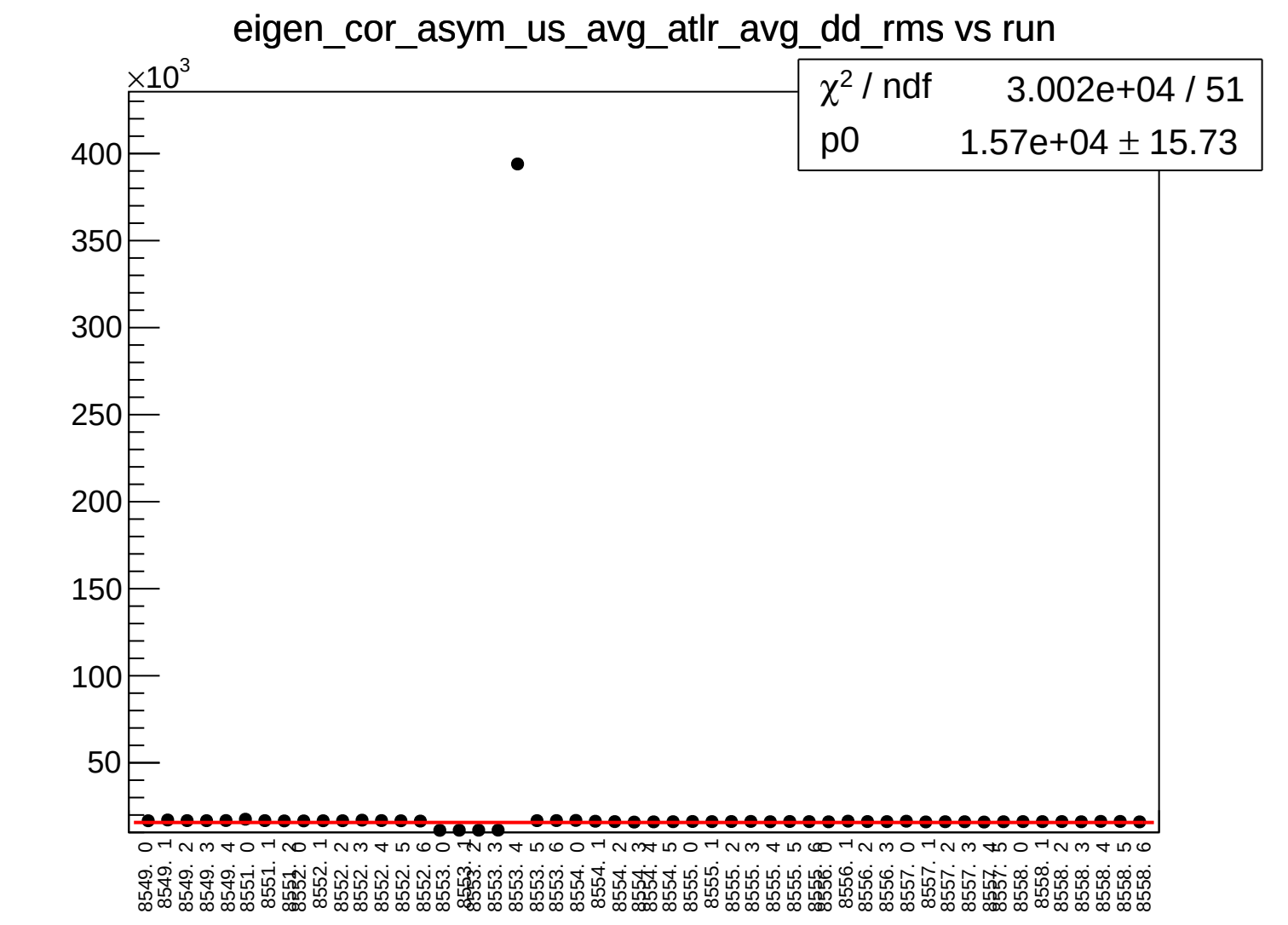

asym_us_avg_atlr_avg_dd_cor_correction_mean vs run
χ² / ndf 49.06 / 51
p0 −900.2 ± 1287
40000
20000
0
−20000
−40000
−60000
−80000
pull
Entries 52
Mean −8.832
Std Dev 0

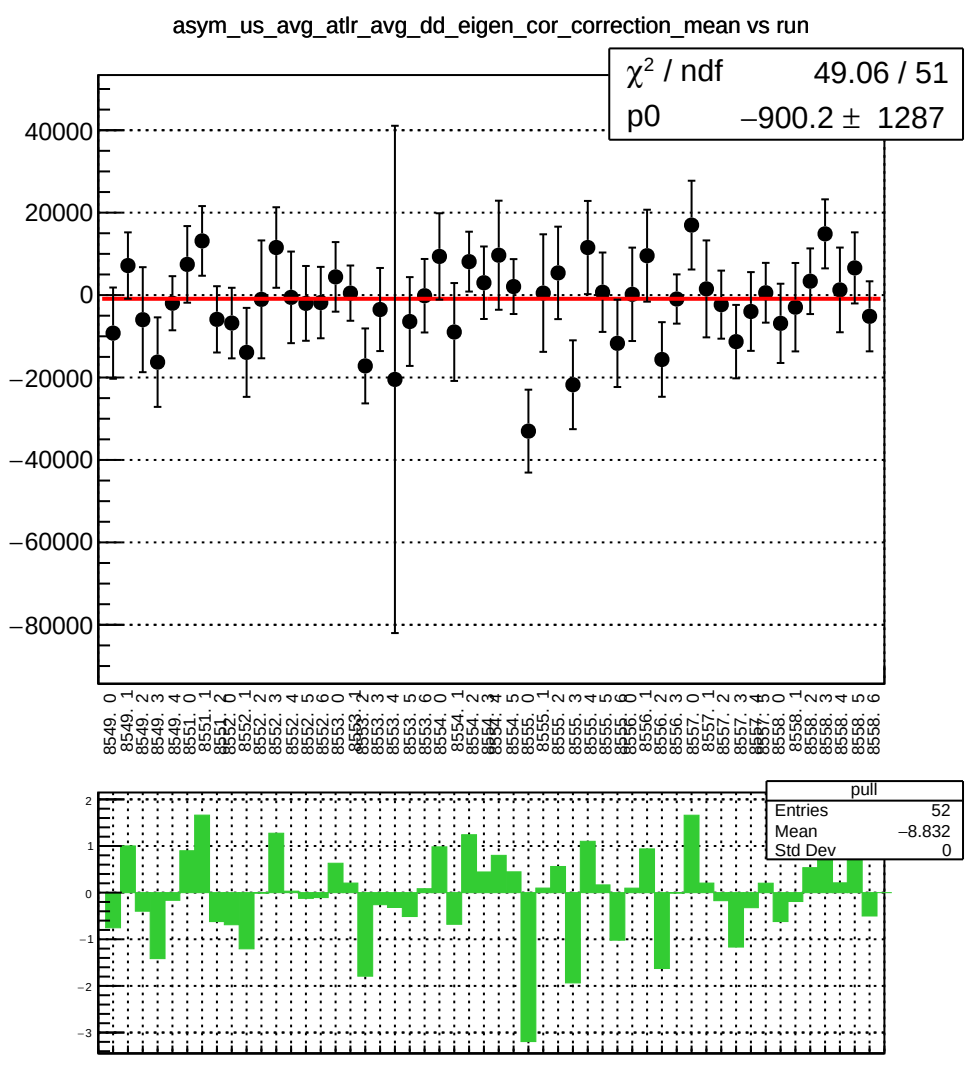

pull1D
Entries 52
Mean −0.0304
Std Dev 0.9708
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

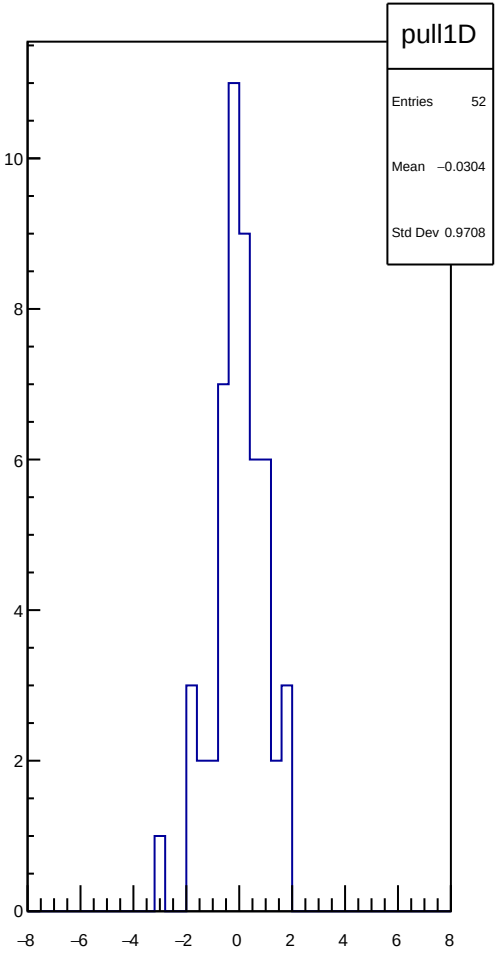

asym_us_avg_atlr_avg_dd_cor_correction_rms vs run
χ² / ndf 3.936e+04 / 51
p0 904.1 ± 0.9099
6000
5000
4000
3000
2000
1000
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 5
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

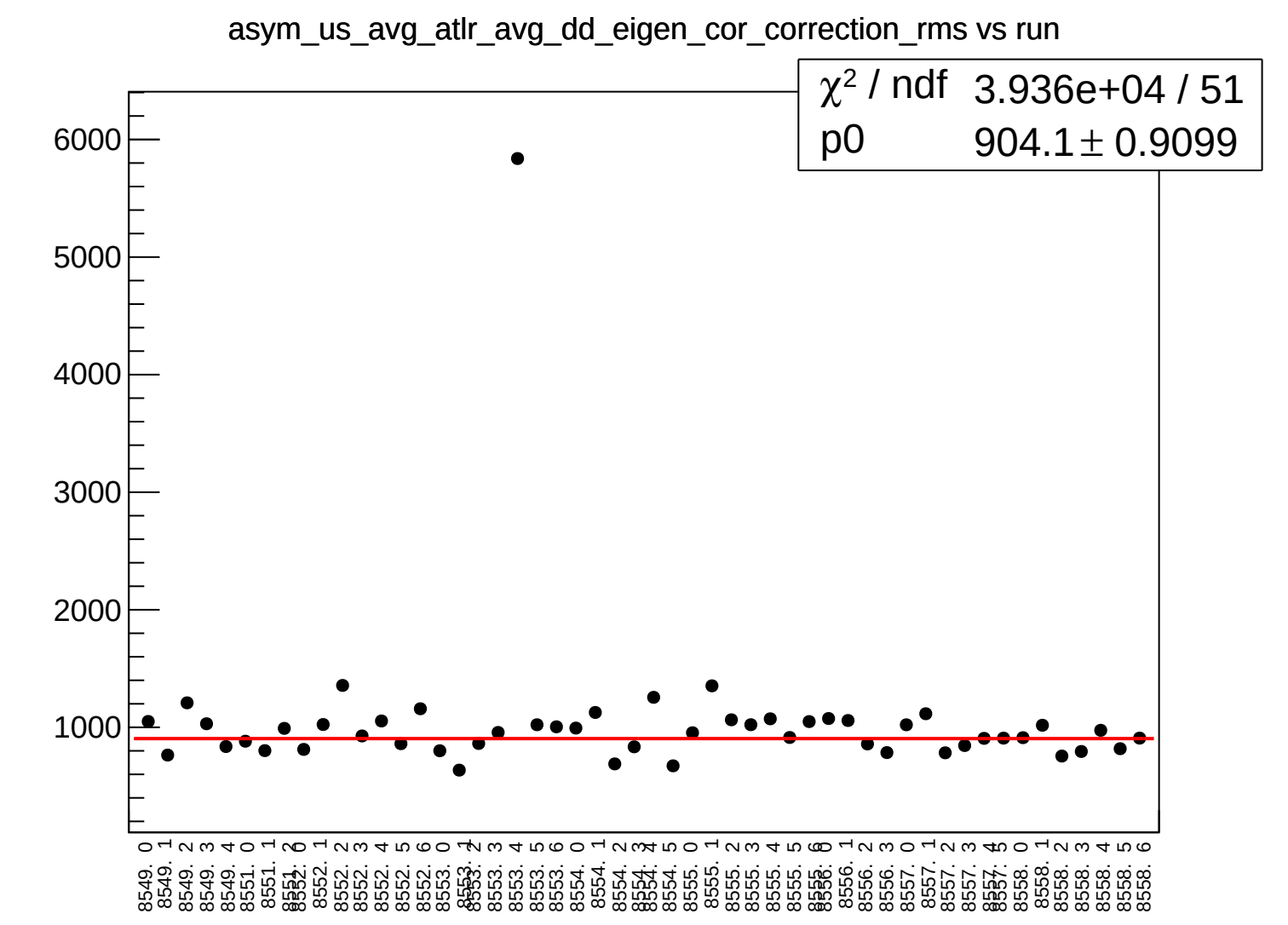

eigen_cor_asym_us_avg_atlr_avg_dd_mean vs run
×10^3
χ² / ndf 33.91 / 50
p0 −9717 ± 2.225e+04
400
200
0
−200
−400
pull
Entries 51
Mean 48.38
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5


pull1D
Entries 51
Mean −0.02064
Std Dev 0.8151
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


eigen_cor_asym_us_avg_atlr_avg_dd_rms vs run
χ² / ndf 3.002e+04 / 51
p0 1.57e+04 ± 15.73
×10³
400
350
300
250
200
150
100
50
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6


asym_us_avg_atlr_avg_dd_eigen_cor_correction_mean vs run
χ² / ndf 49.06 / 51
p0 −900.2 ± 1287
40000
20000
0
−20000
−40000
−60000
−80000
pull
Entries 52
Mean −8.832
Std Dev 0


pull1D
Entries 52
Mean −0.0304
Std Dev 0.9708


asym_us_avg_atlr_avg_dd_eigen_cor_correction_rms vs run
χ² / ndf 3.936e+04 / 51
p0 904.1 ± 0.9099
6000
5000
4000
3000
2000
1000
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
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8558. 0
8558. 1
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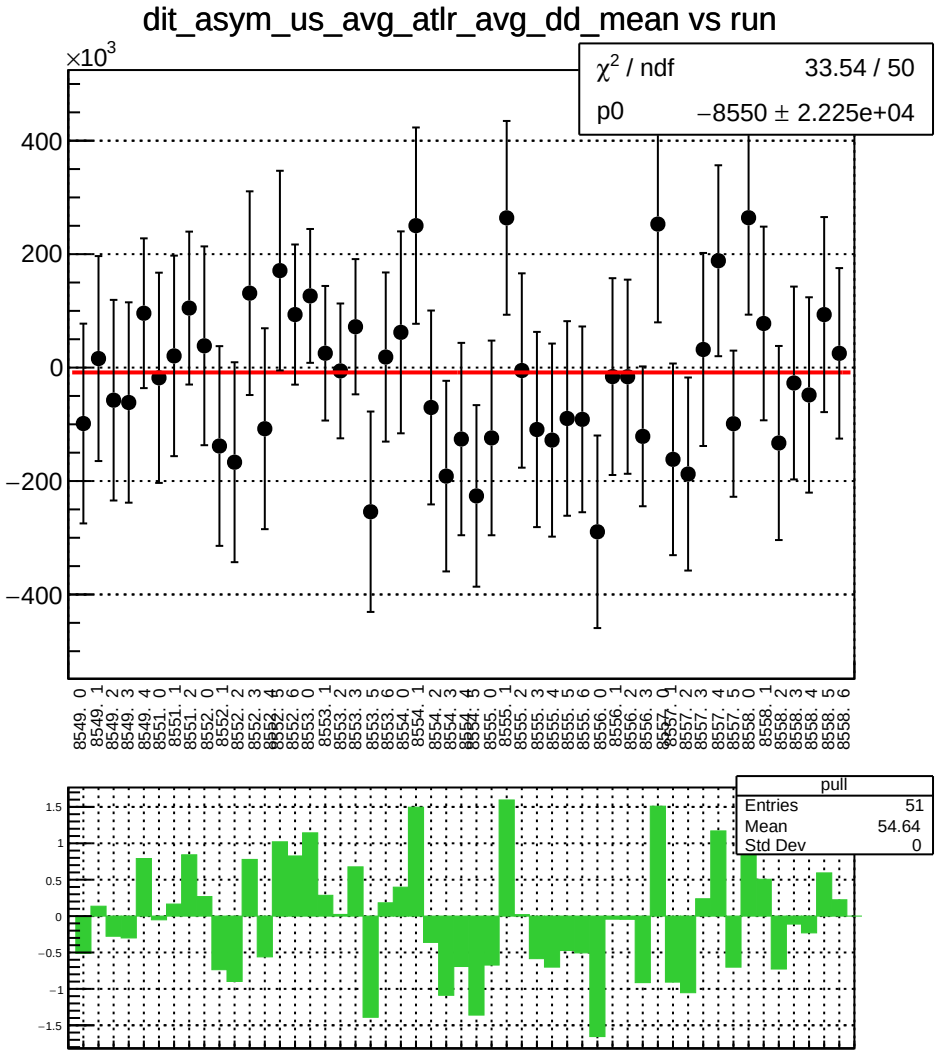
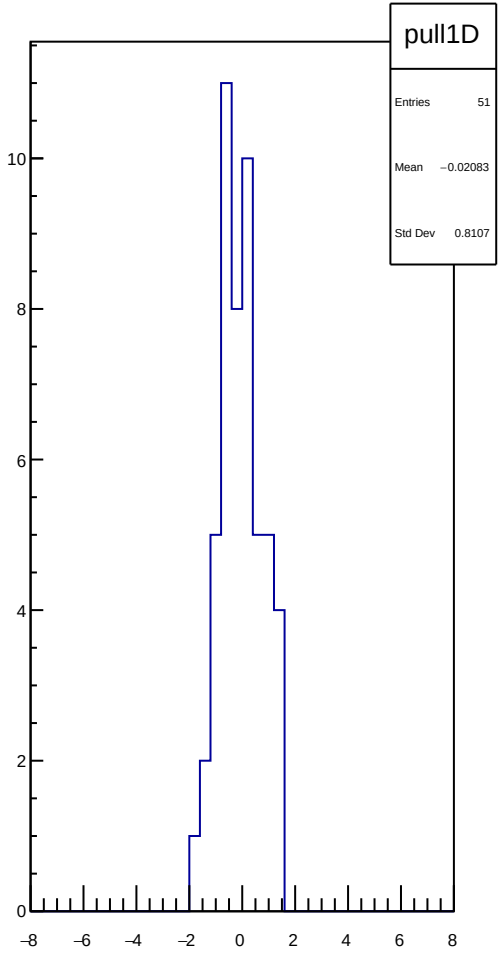
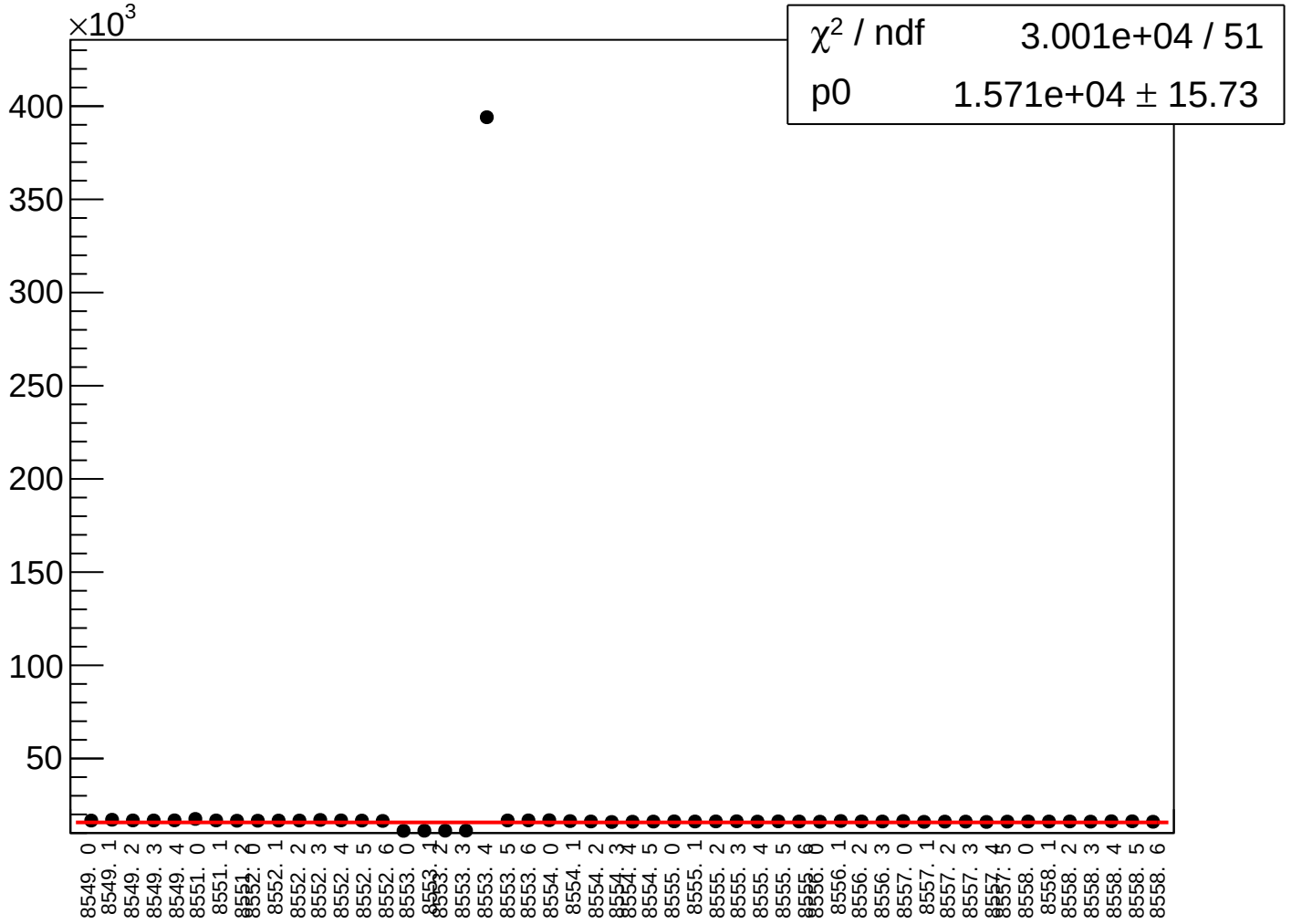
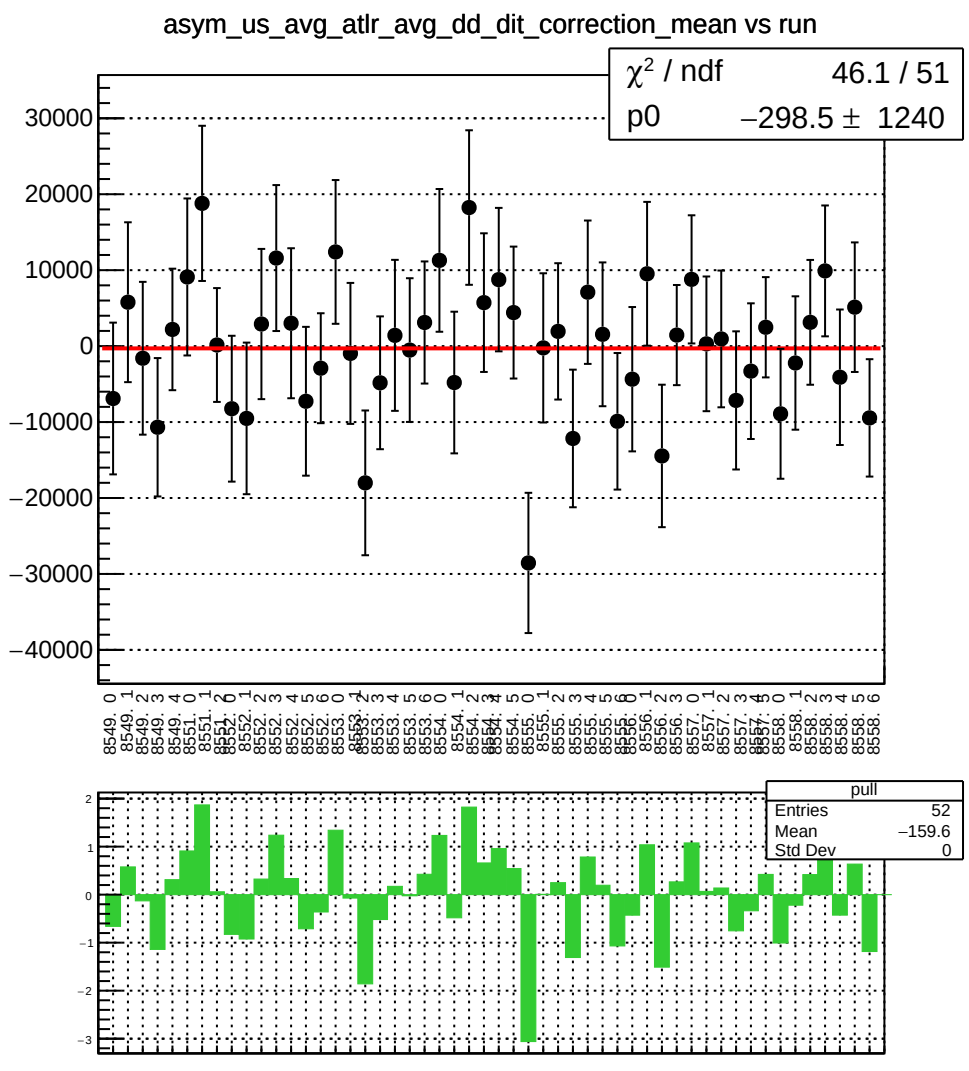
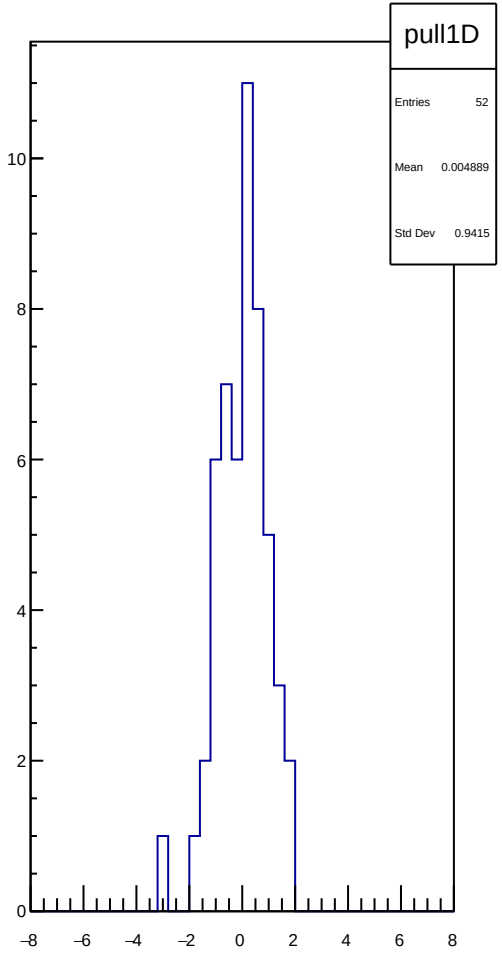
8558. 5
8558. 6

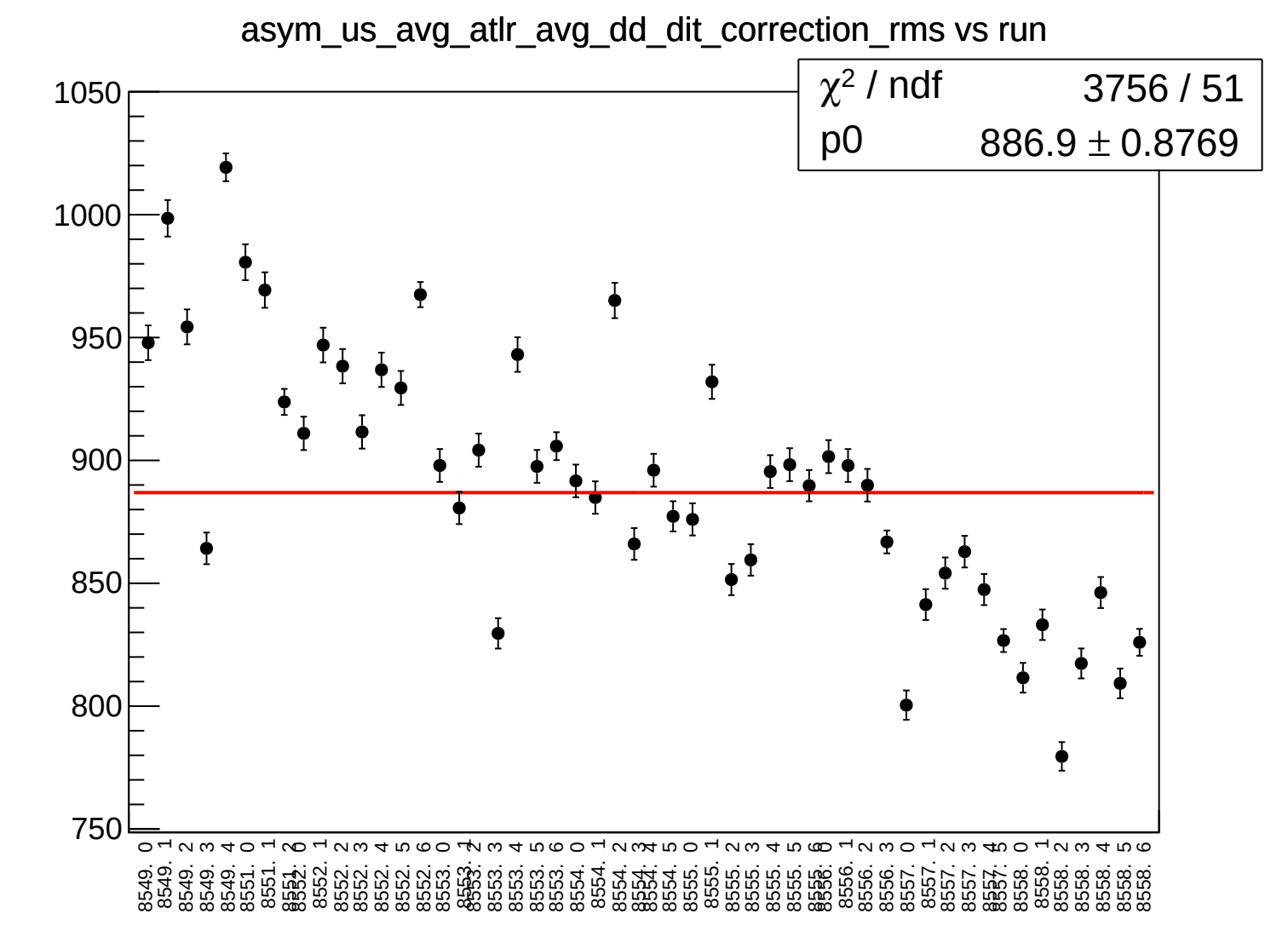

dit_asym_us_avg_atlr_avg_dd_mean vs run
×10^3
χ² / ndf 33.54 / 50
p0 −8550 ± 2.225e+04
400
200
0
−200
−400
pull
Entries 51
Mean 54.64
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5


pull1D
Entries 51
Mean −0.02083
Std Dev 0.8107
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


dit_asym_us_avg_atlr_avg_dd_rms vs run
×10^3
χ² / ndf 3.001e+04 / 51
p0 1.571e+04 ± 15.73
400
350
300
250
200
150
100
50
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 5
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6


asym_us_avg_atlr_avg_dd_dit_correction_mean vs run
χ² / ndf 46.1 / 51
p0 −298.5 ± 1240
pull
Entries 52
Mean −159.6
Std Dev 0


pull1D
Entries 52
Mean 0.004889
Std Dev 0.9415


asym_us_avg_atlr_avg_dd_dit_correction_rms vs run
χ² / ndf 3756 / 51
p0 886.9 ± 0.8769
1050
1000
950
900
850
800
750
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
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8558. 0
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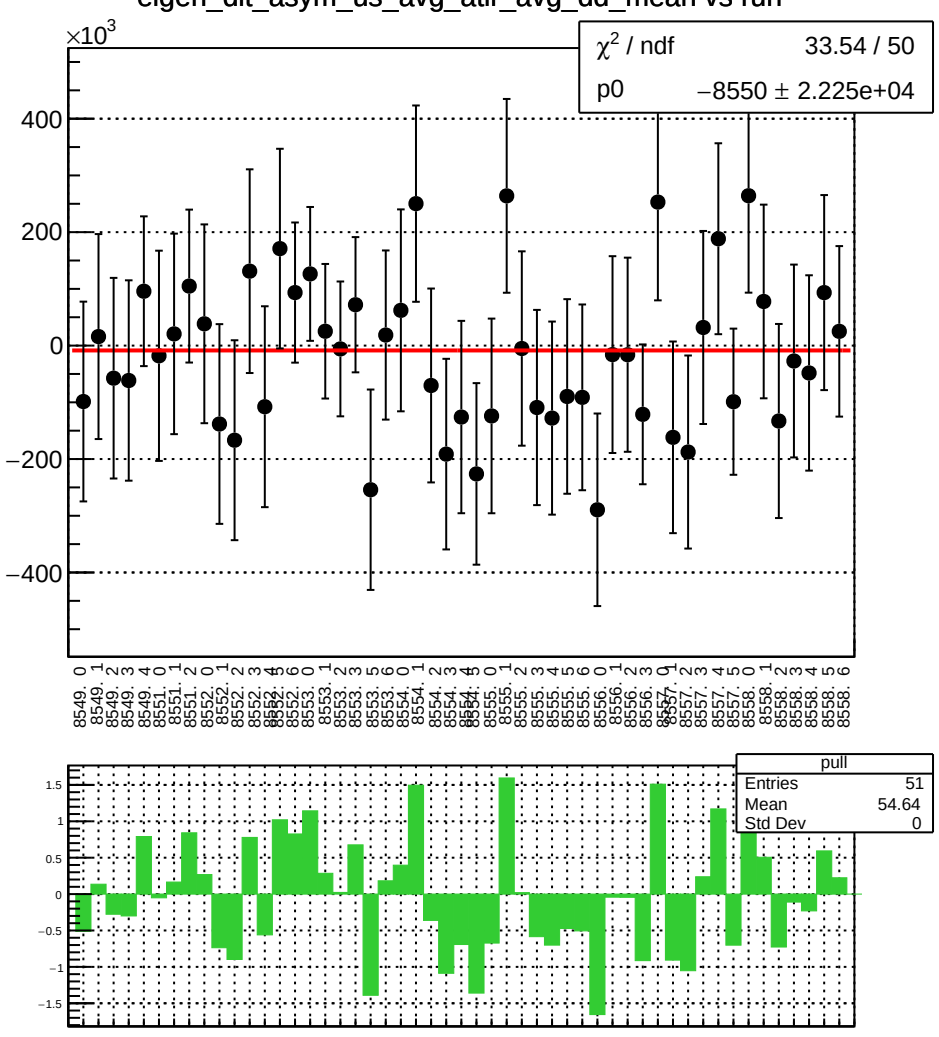
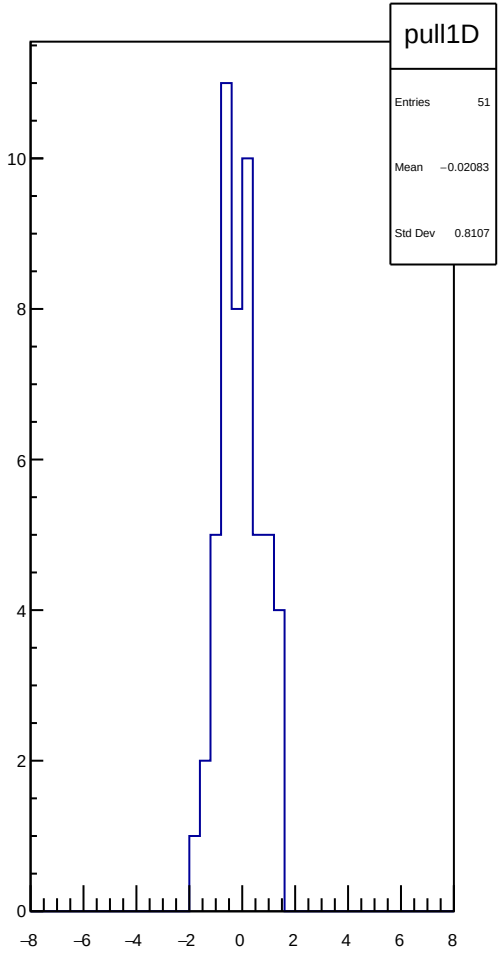
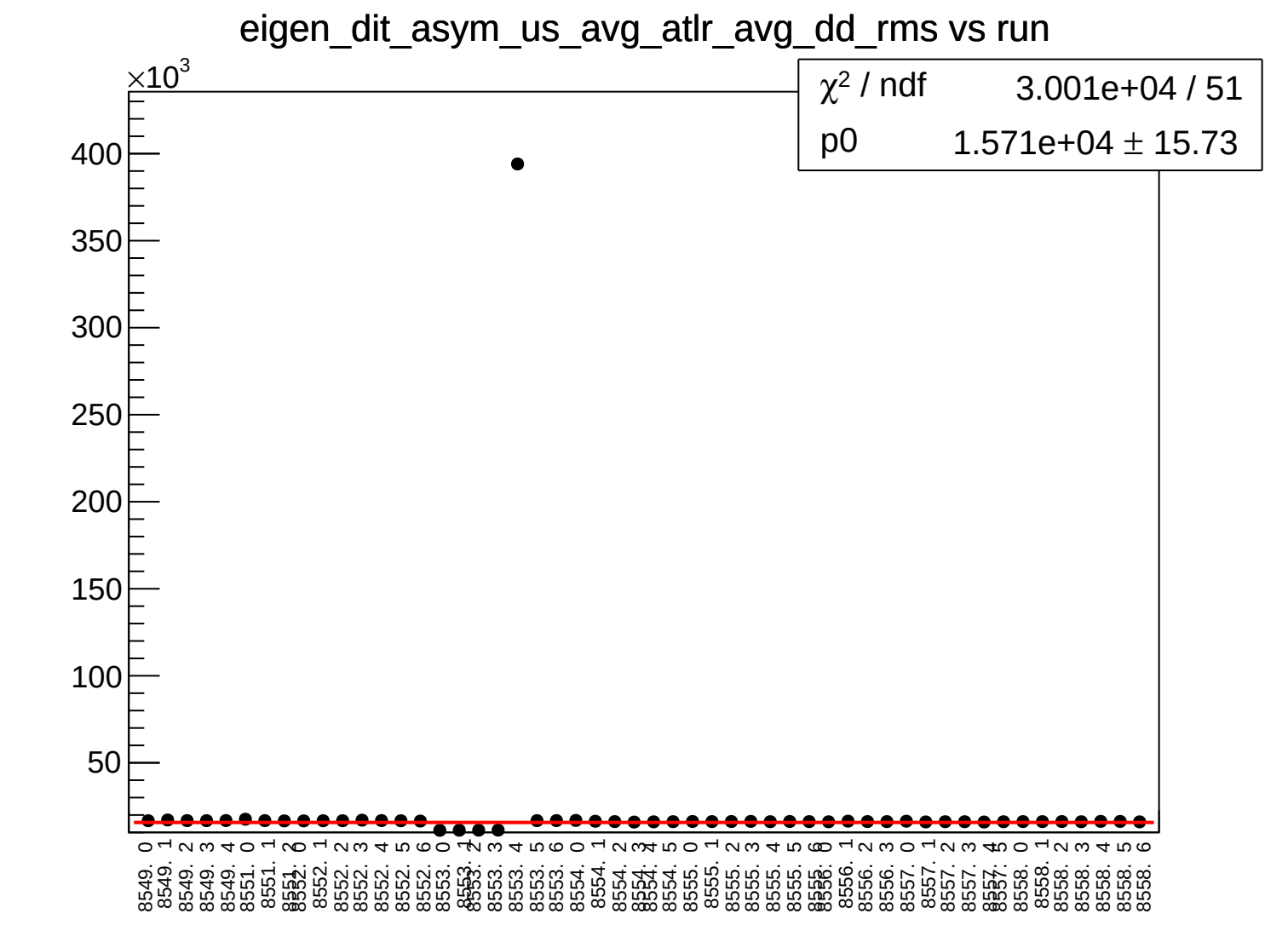
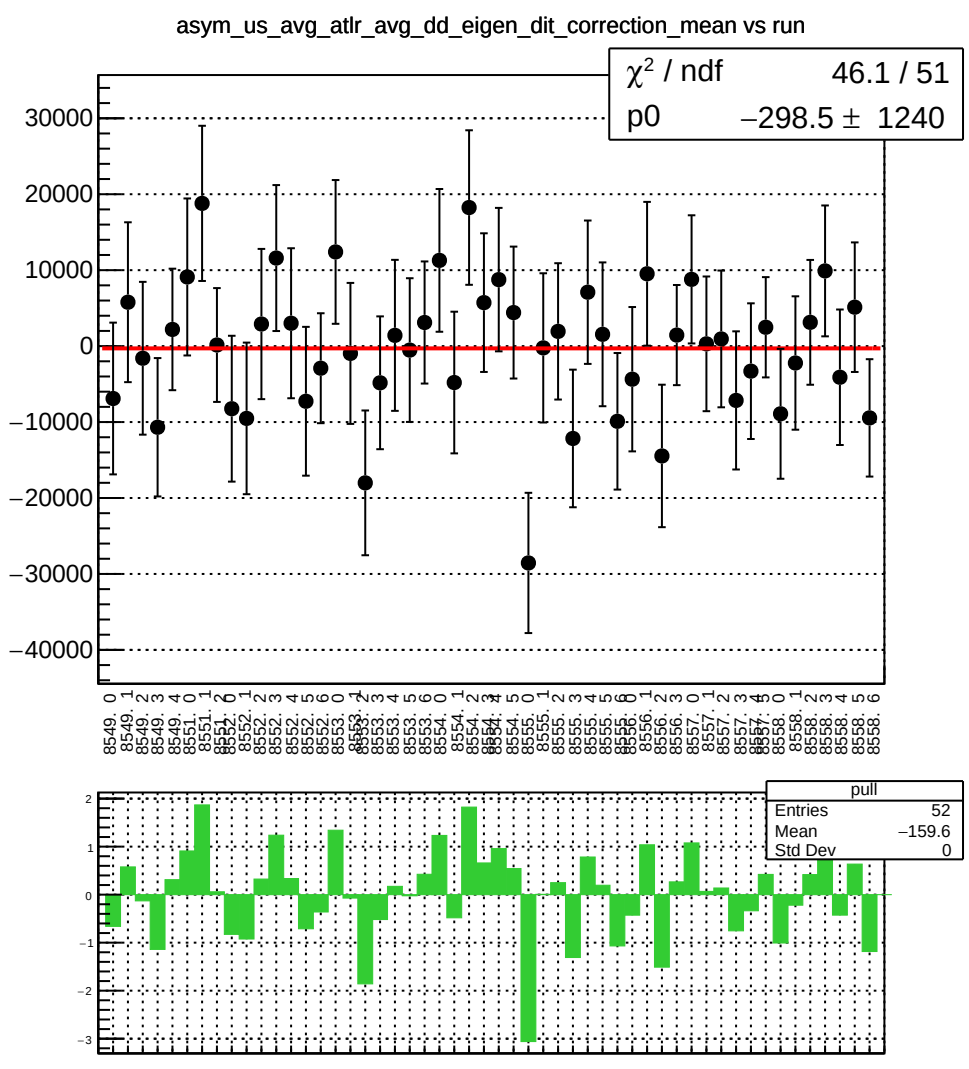
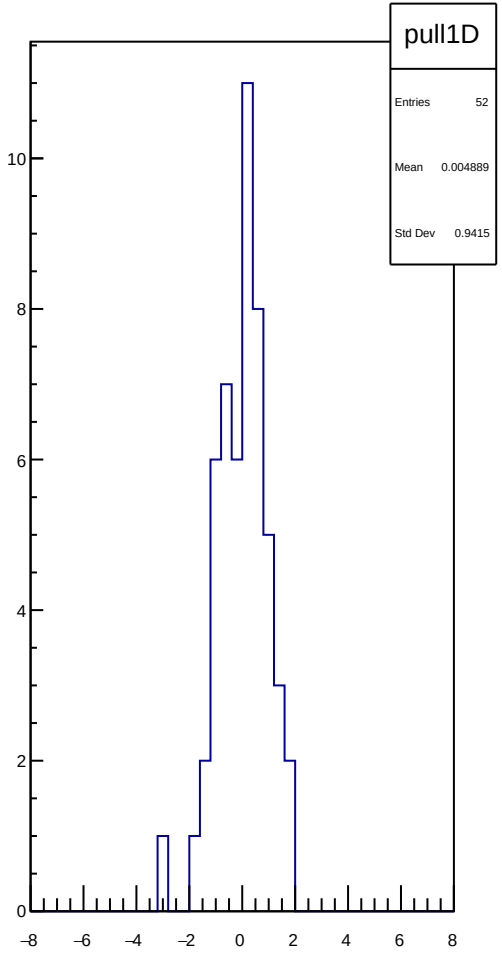
8558. 5
8558. 6

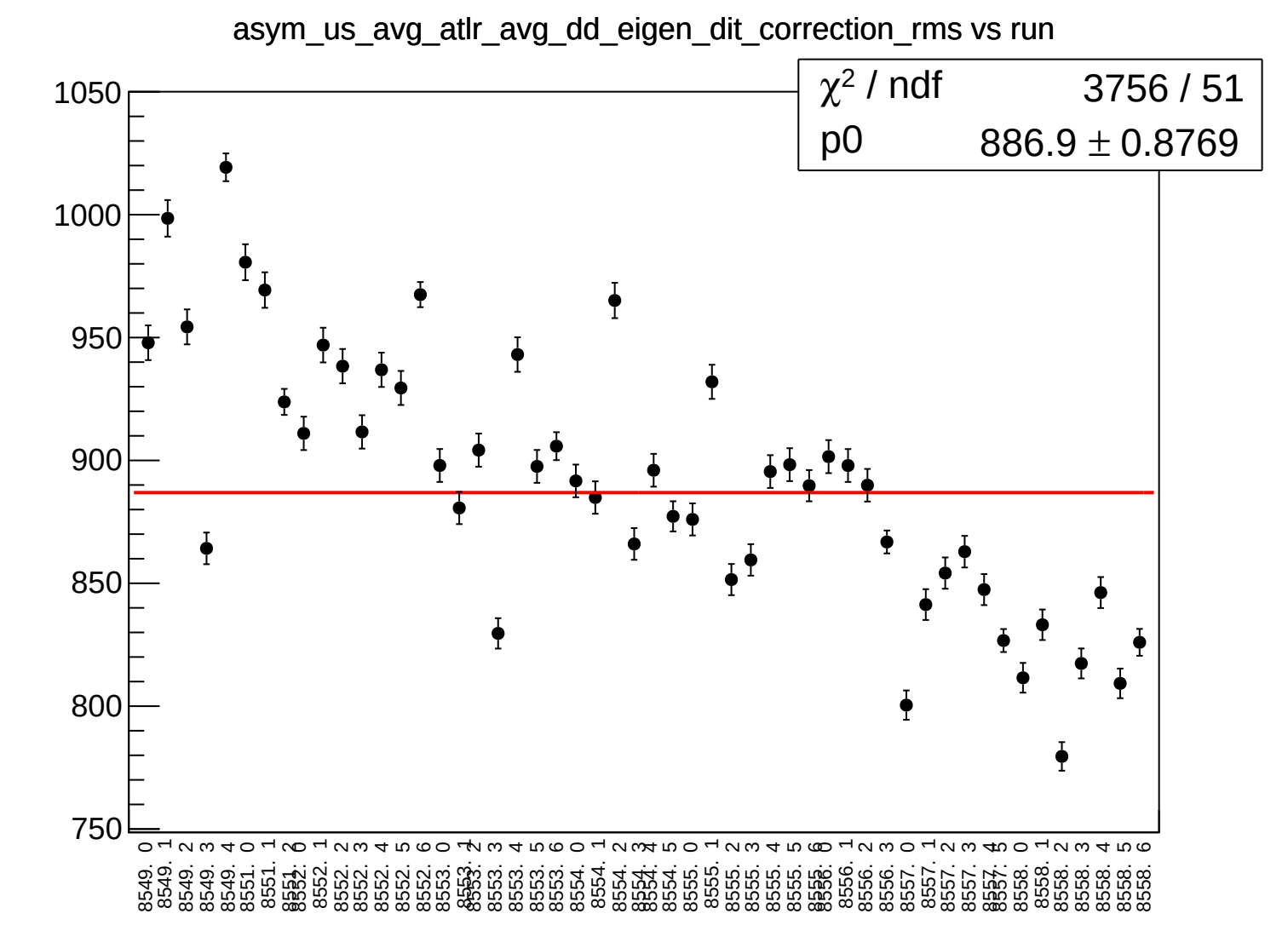

eigen_dit_asym_us_avg_atlr_avg_dd_mean vs run
×10^3
χ² / ndf 33.54 / 50
p0 −8550 ± 2.225e+04
400
200
0
−200
−400
pull
Entries 51
Mean 54.64
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5

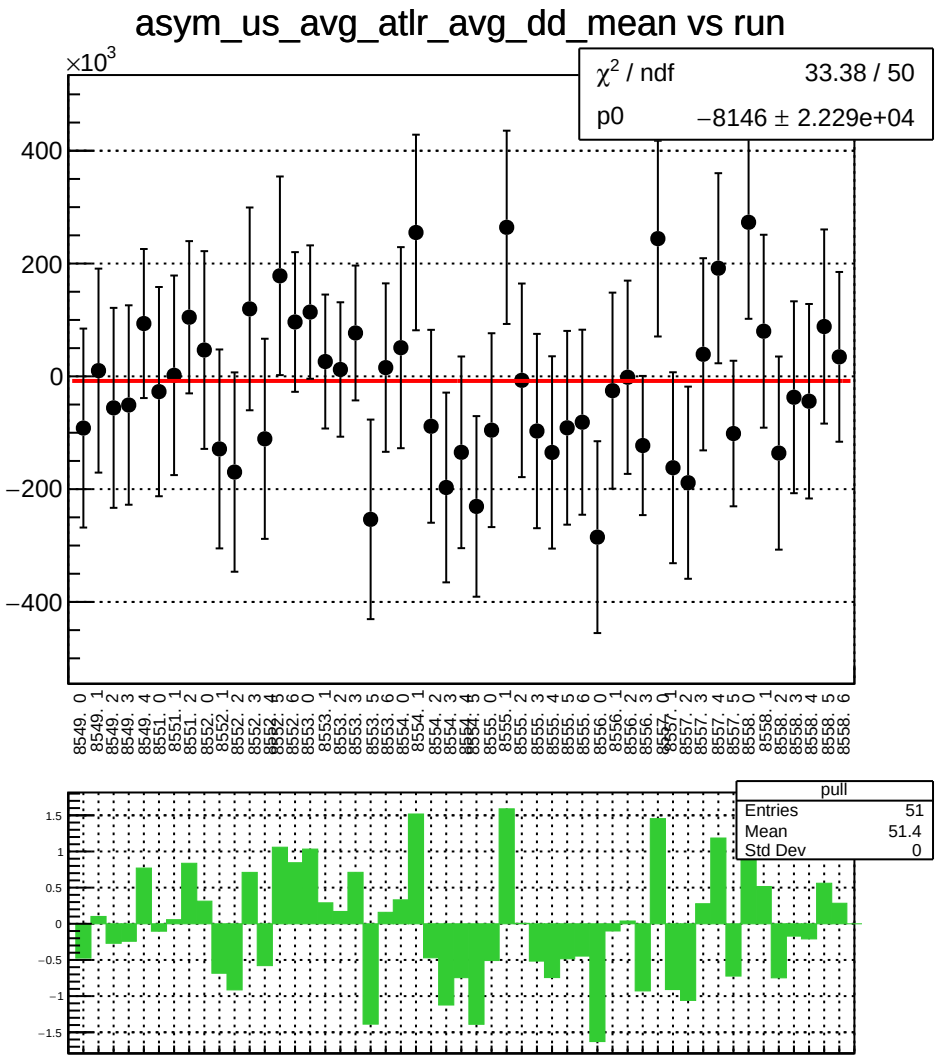

pull1D
Entries 51
Mean −0.02083
Std Dev 0.8107
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

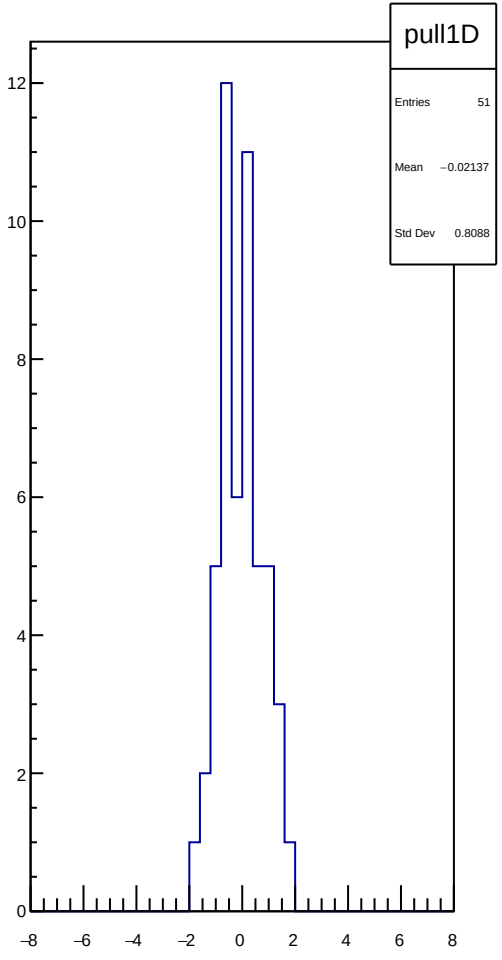

eigen_dit_asym_us_avg_atlr_avg_dd_rms vs run
×10^3
χ² / ndf 3.001e+04 / 51
p0 1.571e+04 ± 15.73
400
350
300
250
200
150
100
50
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 0
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 1
8553. 2
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 5
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

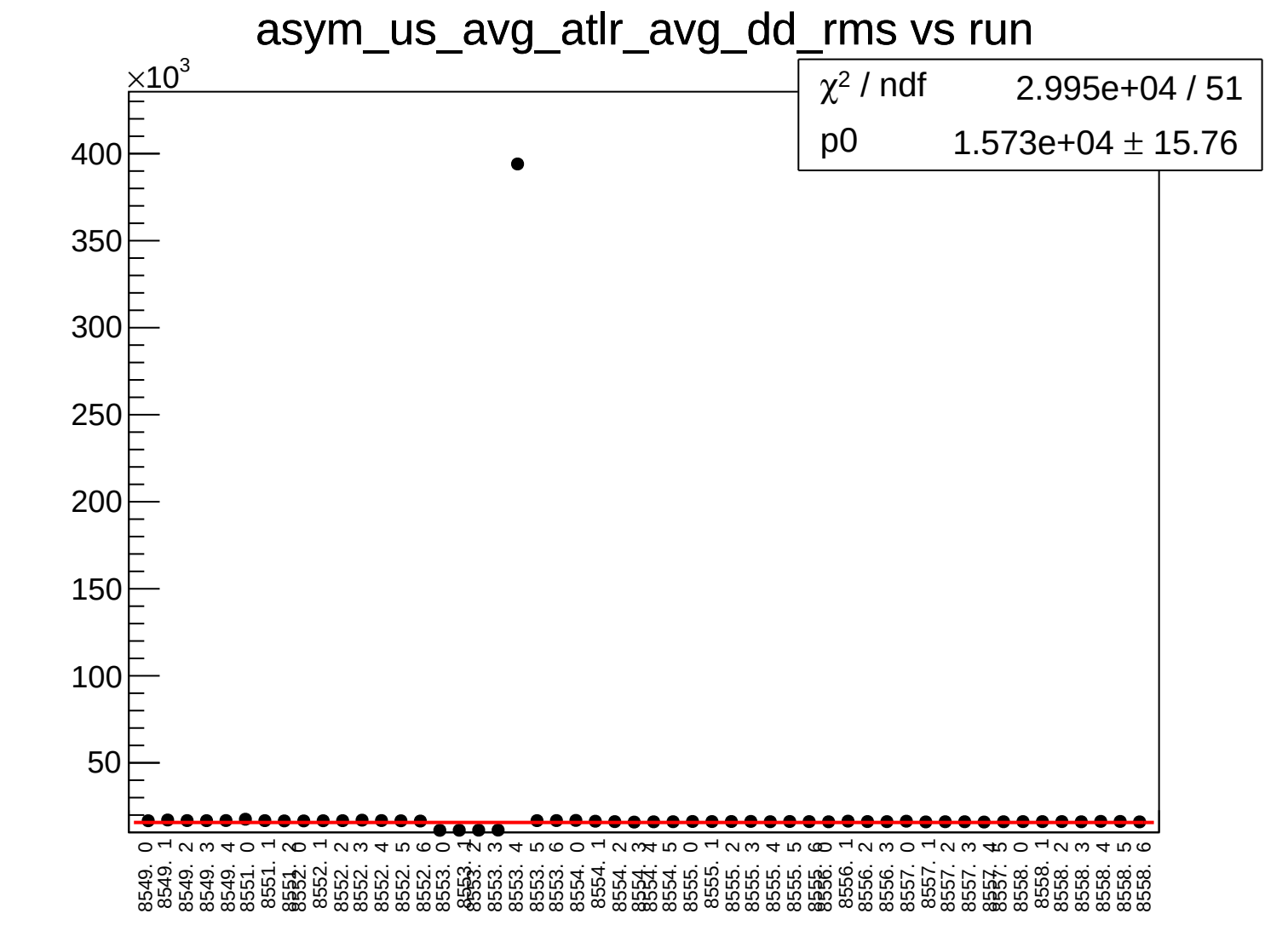

asym_us_avg_atlr_avg_dd_eigen_dit_correction_mean vs run
χ² / ndf 46.1 / 51
p0 −298.5 ± 1240
pull
Entries 52
Mean −159.6
Std Dev 0


pull1D
Entries 52
Mean 0.004889
Std Dev 0.9415


asym_us_avg_atlr_avg_dd_eigen_dit_correction_rms vs run
χ² / ndf 3756 / 51
p0 886.9 ± 0.8769
1050
1000
950
900
850
800
750
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6


asym_us_avg_atlr_avg_dd_mean vs run
×10^3
χ² / ndf 33.38 / 50
p0 −8146 ± 2.229e+04
400
200
0
−200
−400
pull
Entries 51
Mean 51.4
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5


pull1D
Entries 51
Mean −0.02137
Std Dev 0.8088
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


asym_us_avg_atlr_avg_dd_rms vs run
×10^3
χ² / ndf 2.995e+04 / 51
p0 1.573e+04 ± 15.76
400
350
300
250
200
150
100
50
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 5
8555. 0
8555. 1
8555. 2
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8556. 1
8556. 2
8556. 3
8557. 0
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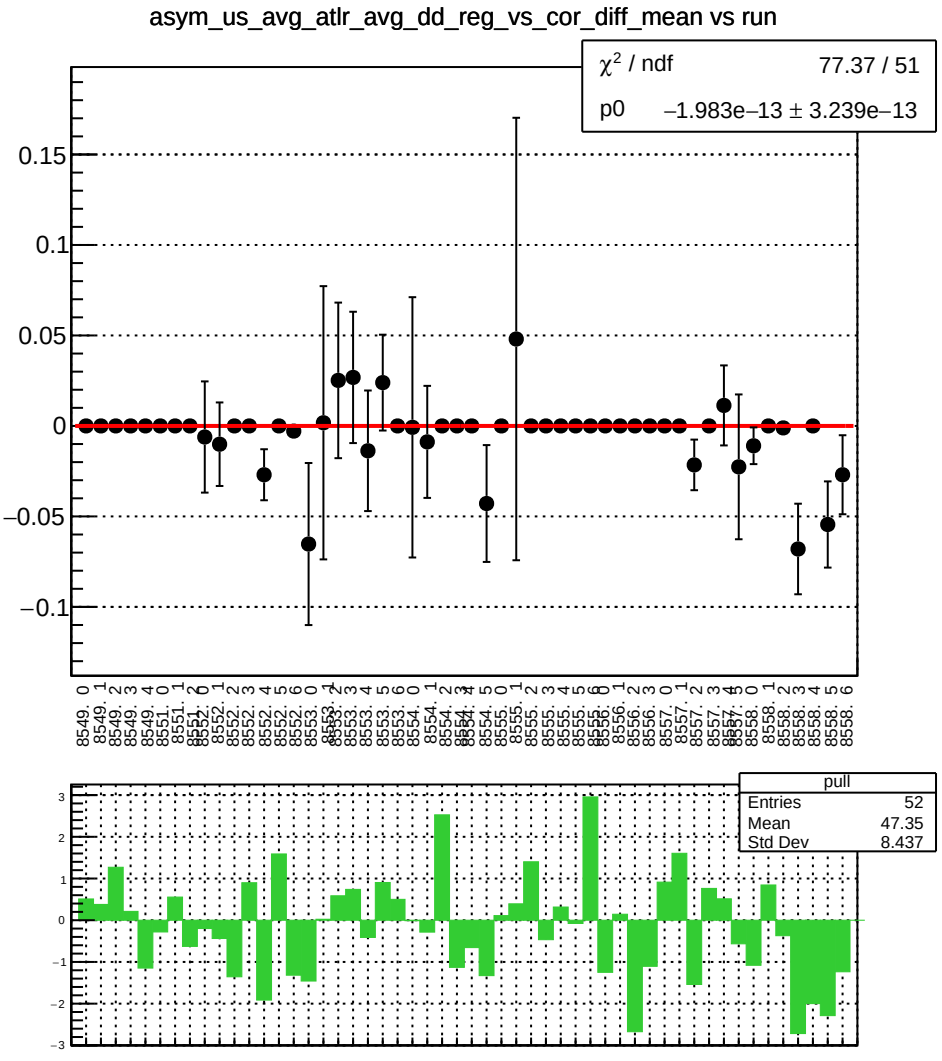
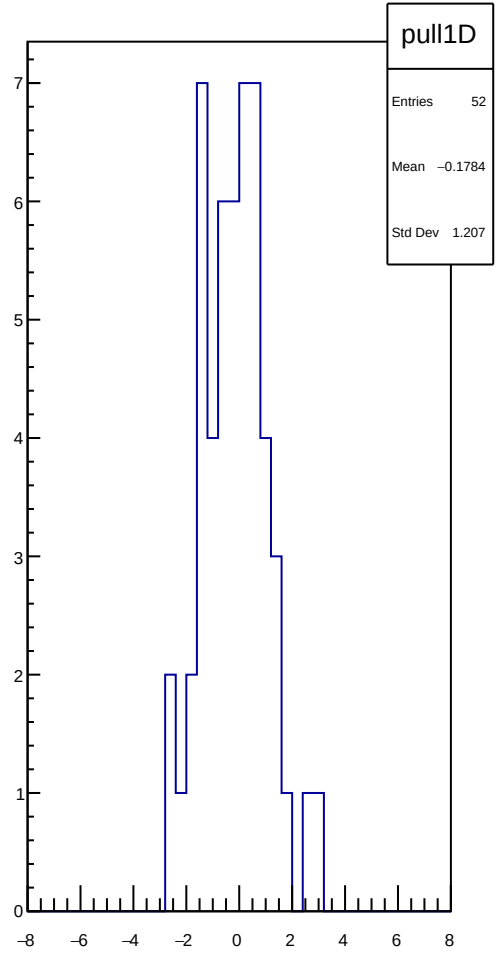
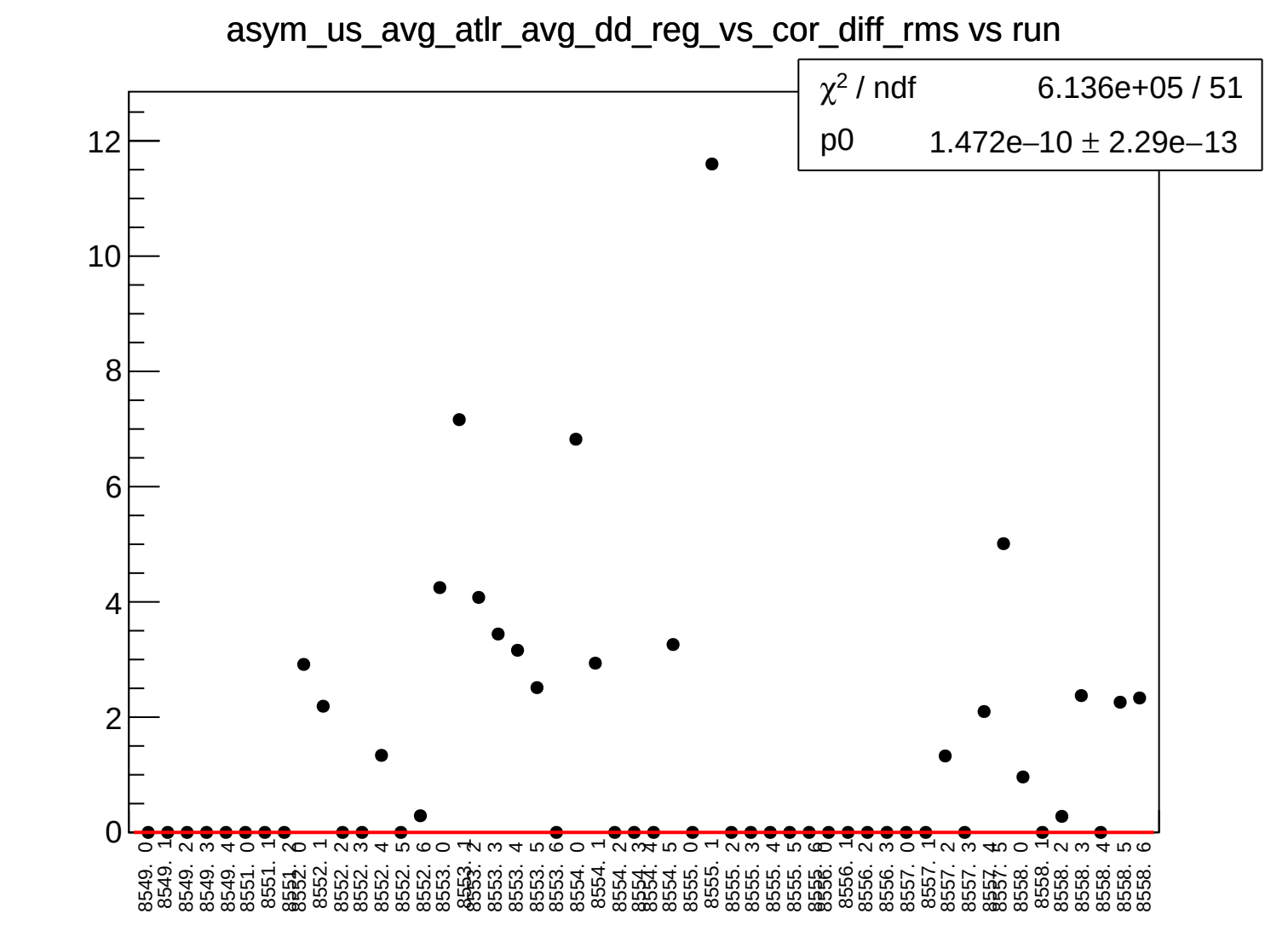
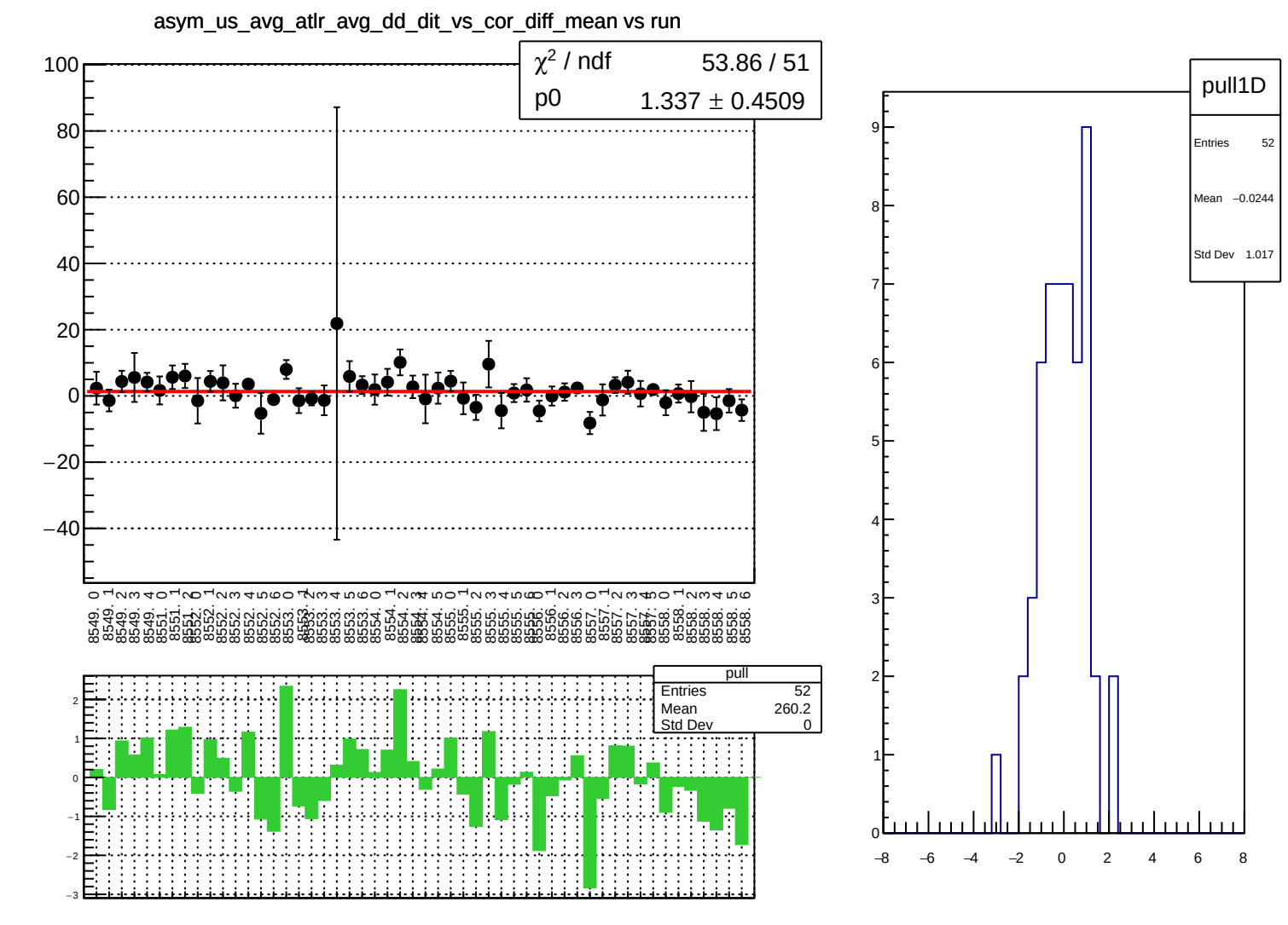
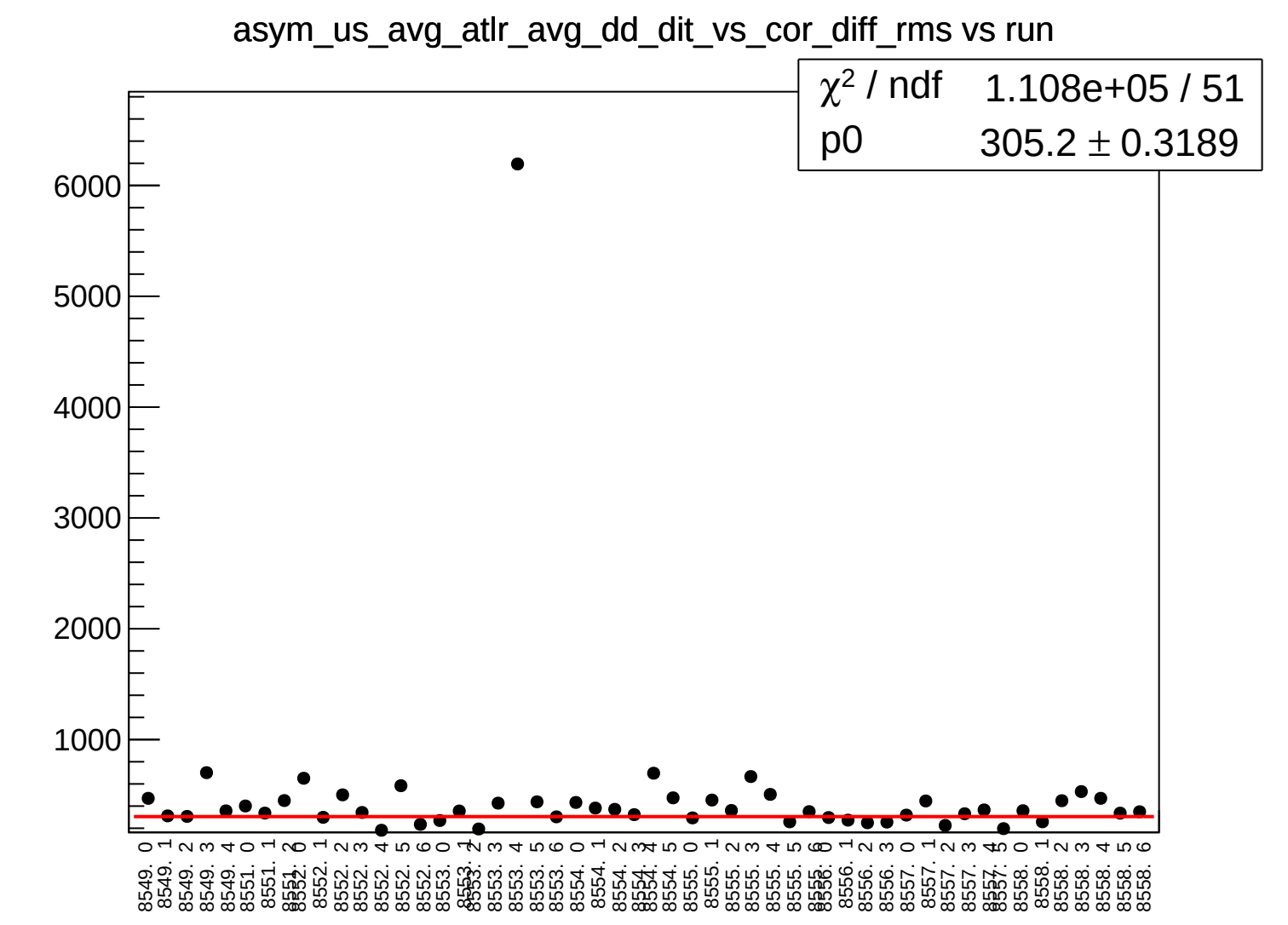
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6


asym_us_avg_atlr_avg_dd_reg_vs_cor_diff_mean vs run
χ² / ndf 77.37 / 51
p0 −1.983e−13 ± 3.239e−13
pull
Entries 52
Mean 47.35
Std Dev 8.437


pull1D
Entries 52
Mean −0.1784
Std Dev 1.207


asym_us_avg_atlr_avg_dd_reg_vs_cor_diff_rms vs run
χ² / ndf 6.136e+05 / 51
p0 1.472e−10 ± 2.29e−13
0
2
4
6
8
10
12
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8551. 2
8552. 0
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 1
8553. 2
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 3
8554. 4
8554. 5
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8555. 6
8556. 0
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8557. 4
8557. 5
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6


asym_us_avg_atlr_avg_dd_dit_vs_cor_diff_mean vs run
χ² / ndf 53.86 / 51
p0 1.337 ± 0.4509
pull
Entries 52
Mean 260.2
Std Dev 0
pull1D
Entries 52
Mean −0.0244
Std Dev 1.017


asym_us_avg_atlr_avg_dd_dit_vs_cor_diff_rms vs run
χ² / ndf 1.108e+05 / 51
p0 305.2 ± 0.3189
6000
5000
4000
3000
2000
1000
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 0
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 5
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
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8558. 0
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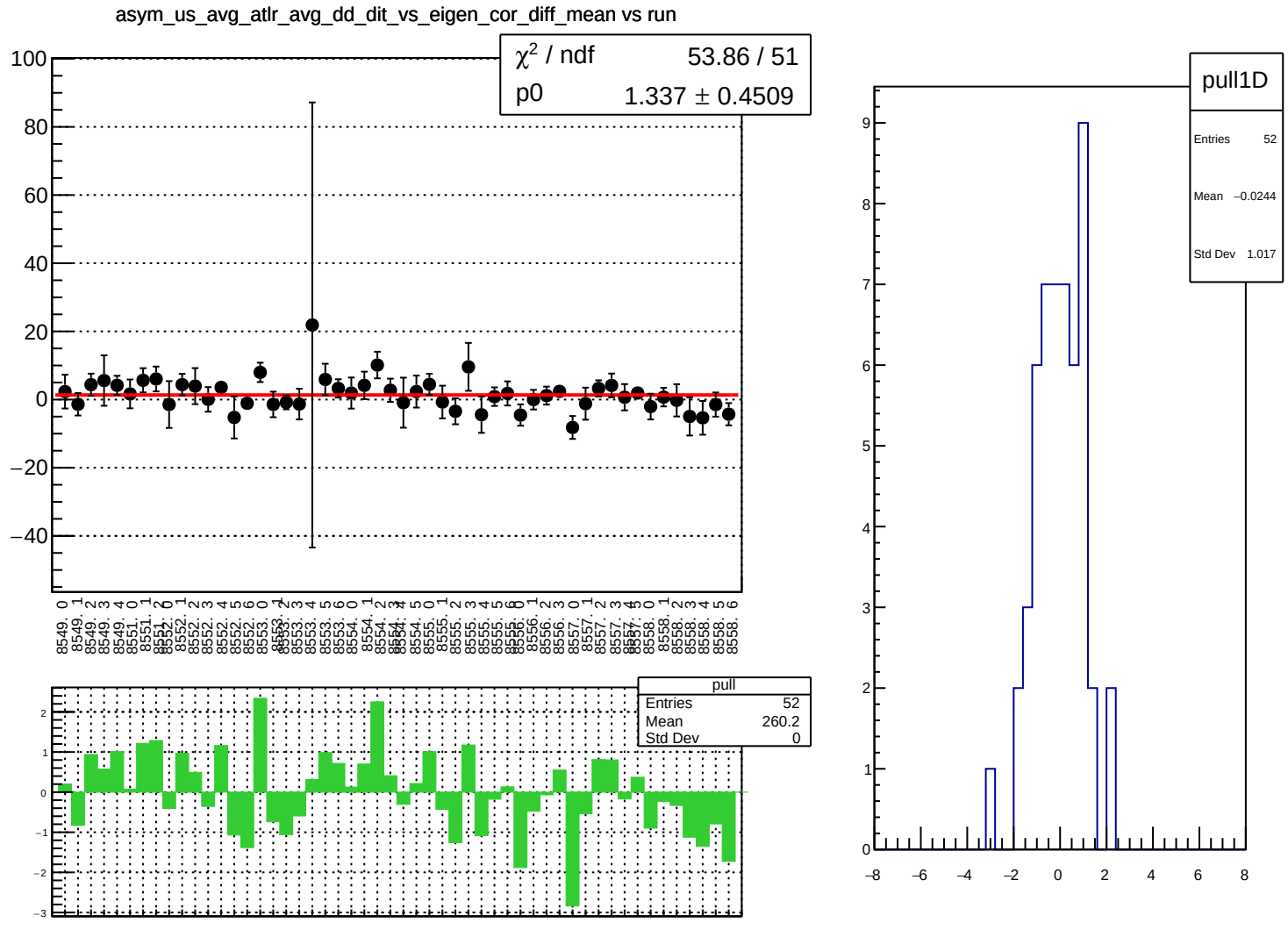
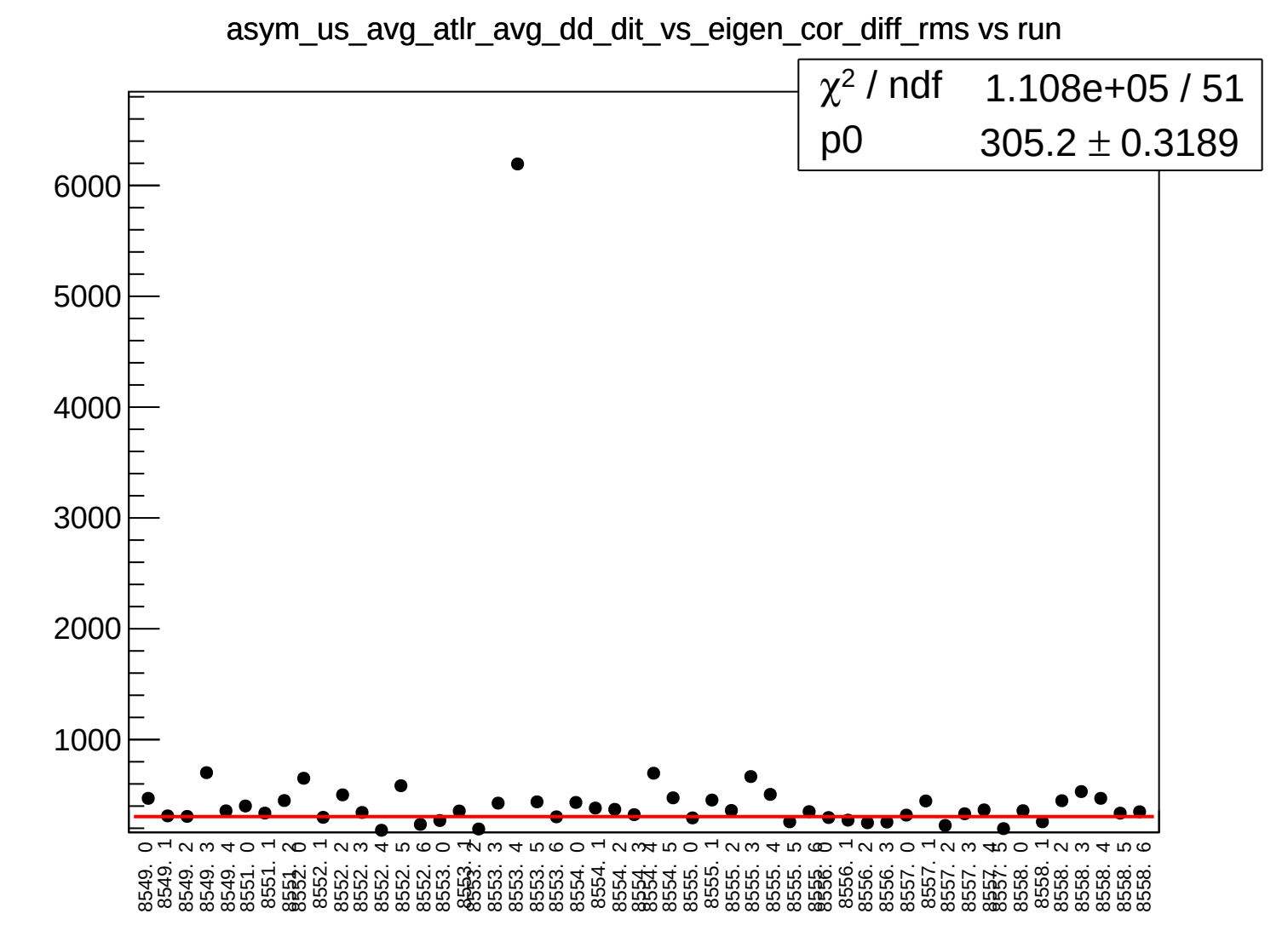
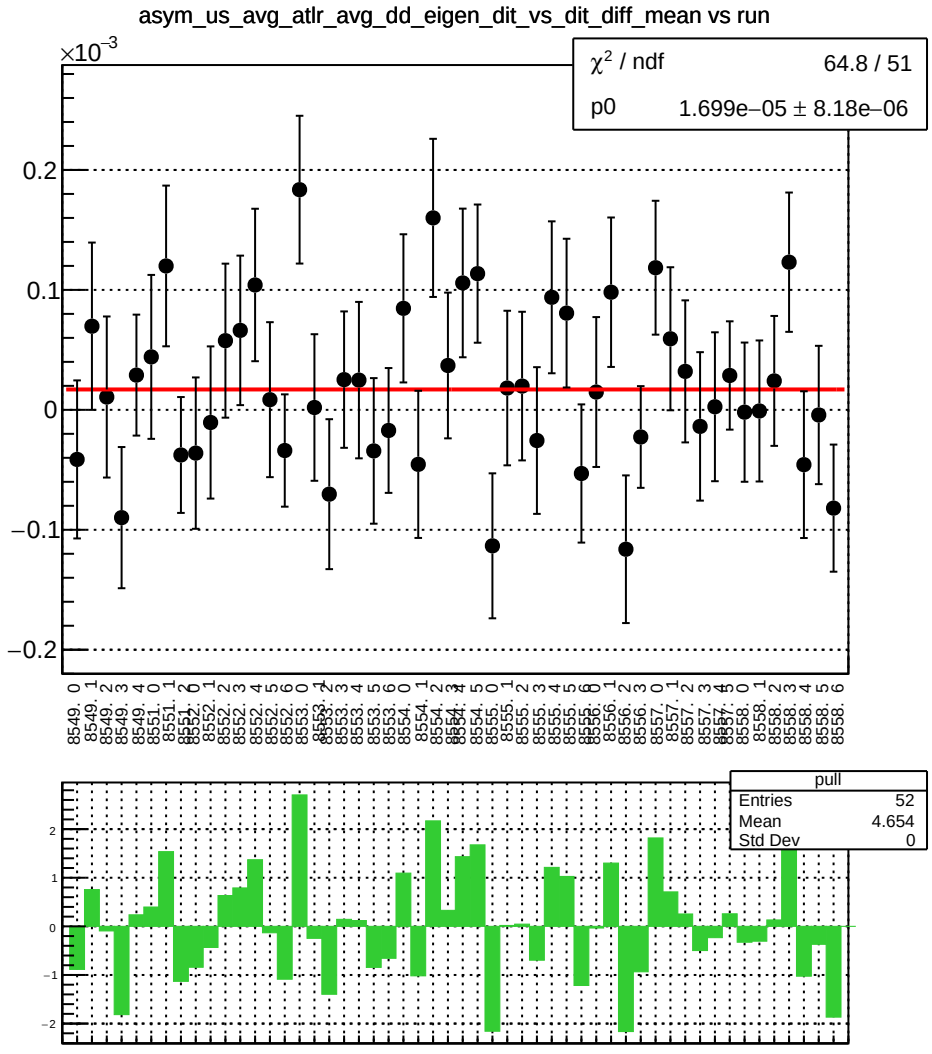
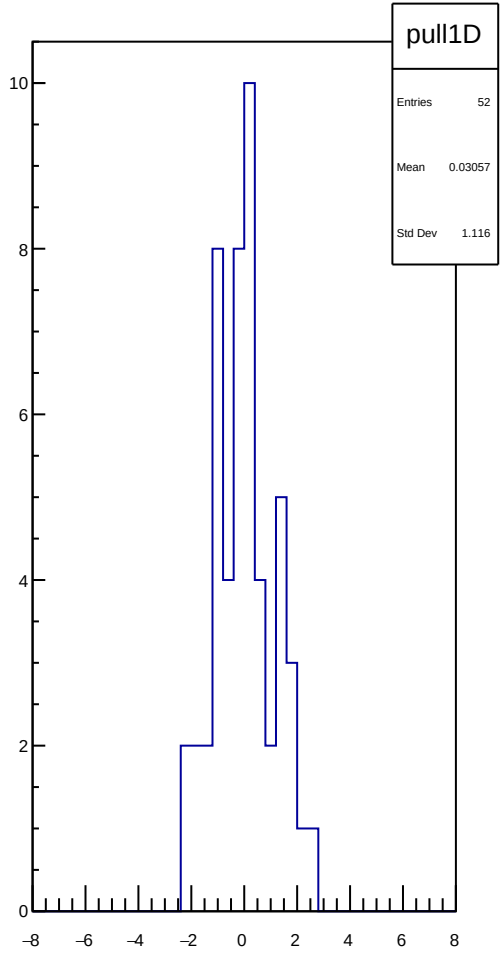
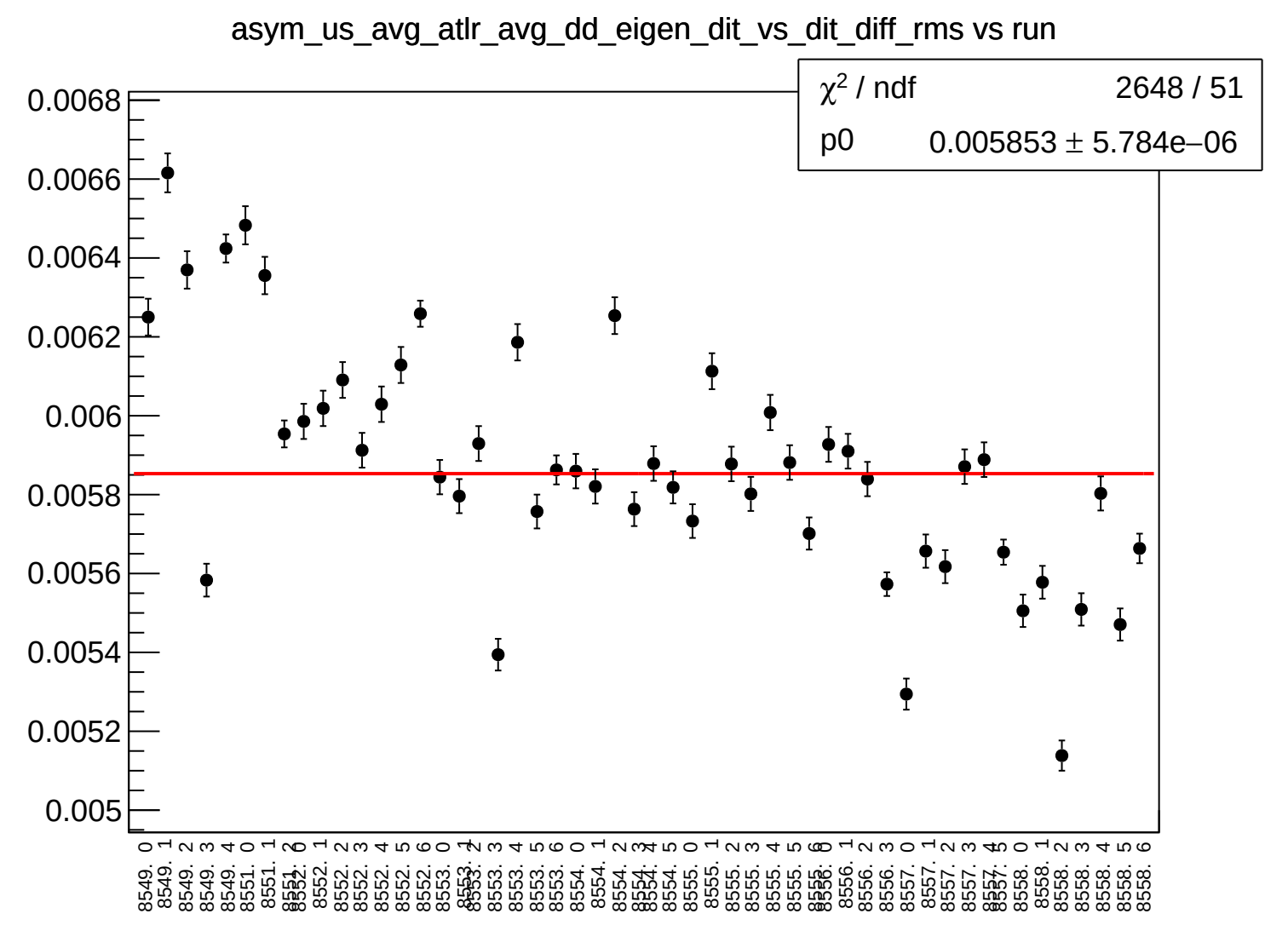
8558. 5
8558. 6

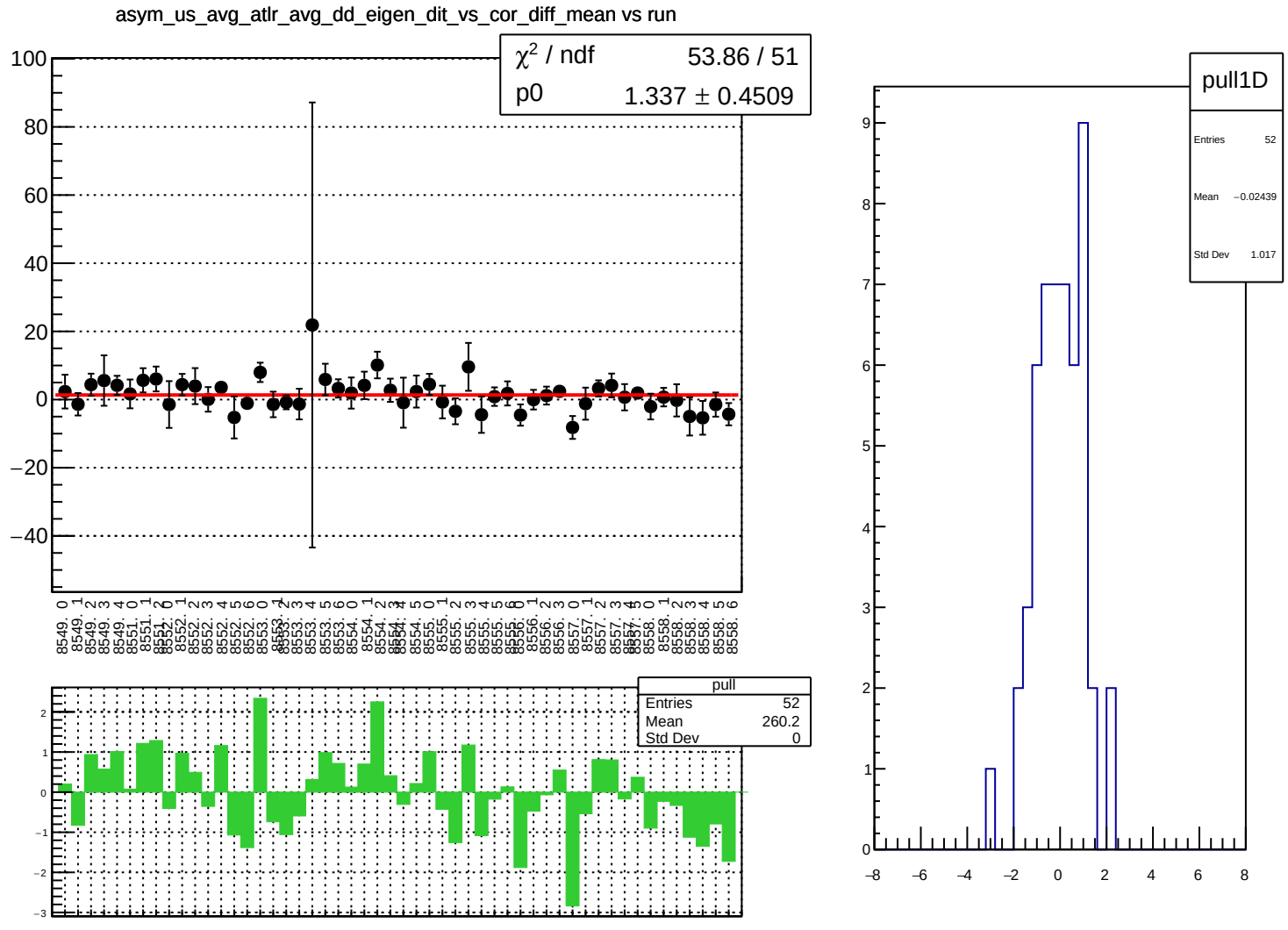

asym_us_avg_atlr_avg_dd_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 53.86 / 51
p0 1.337 ± 0.4509
pull
Entries 52
Mean 260.2
Std Dev 0
pull1D
Entries 52
Mean −0.0244
Std Dev 1.017

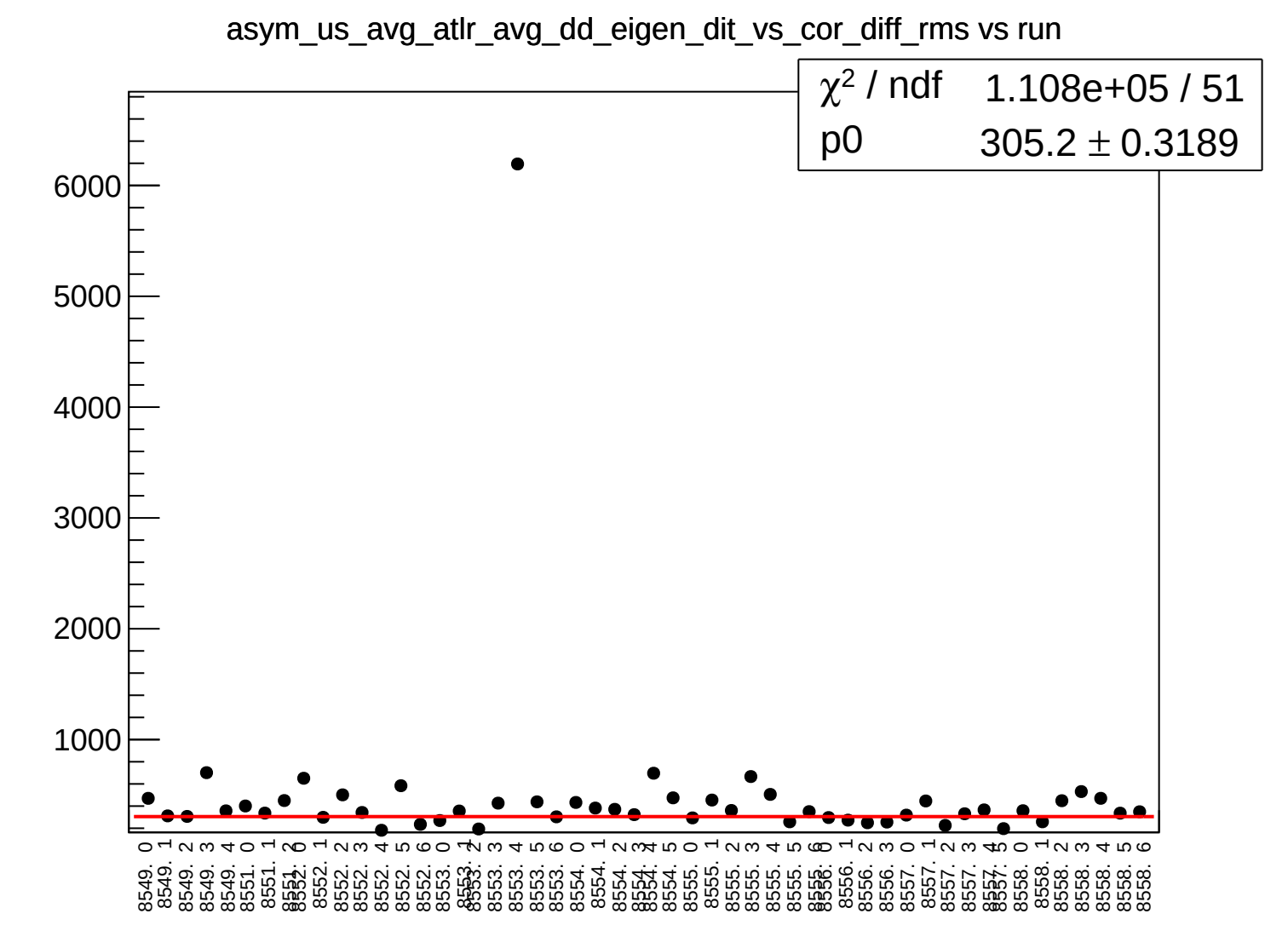

asym_us_avg_atlr_avg_dd_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.108e+05 / 51
p0 305.2 ± 0.3189
6000
5000
4000
3000
2000
1000
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 0
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

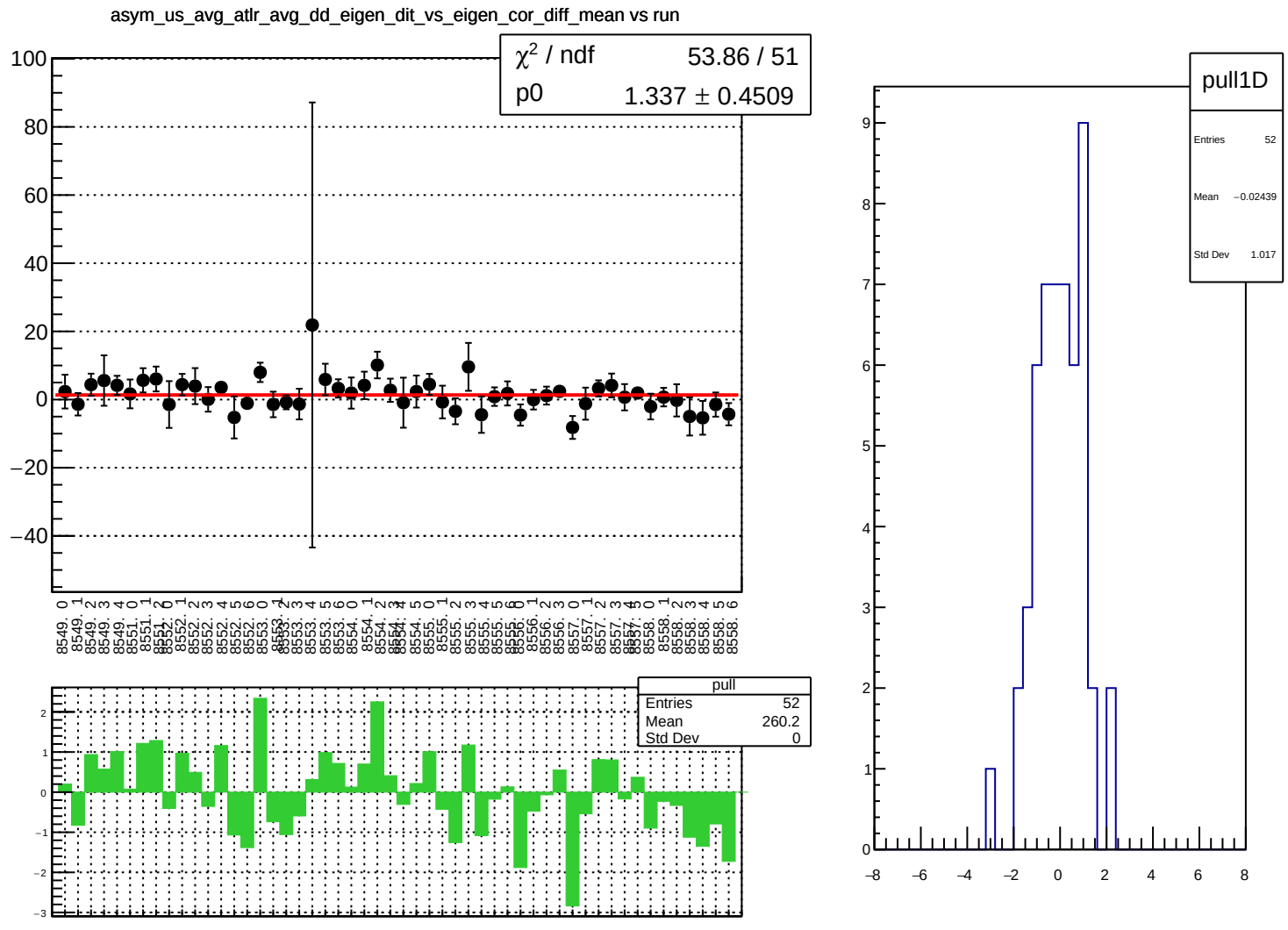

asym_us_avg_atlr_avg_dd_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 64.8 / 51
p0 1.699e−05 ± 8.18e−06
0.2
0.1
0
−0.1
−0.2
pull
Entries 52
Mean 4.654
Std Dev 0
2
1
0
−1
−2

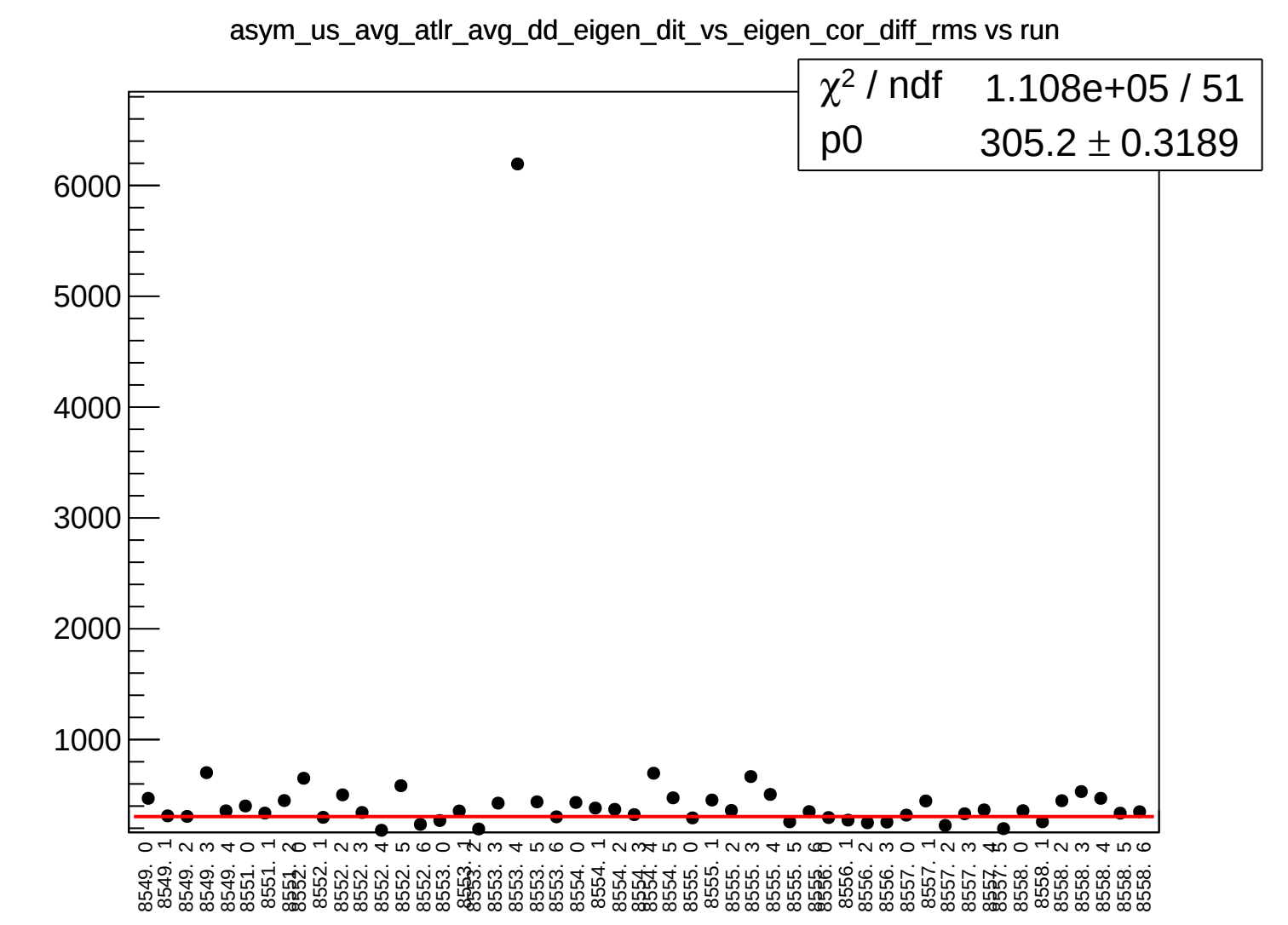

pull1D
Entries 52
Mean 0.03057
Std Dev 1.116
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

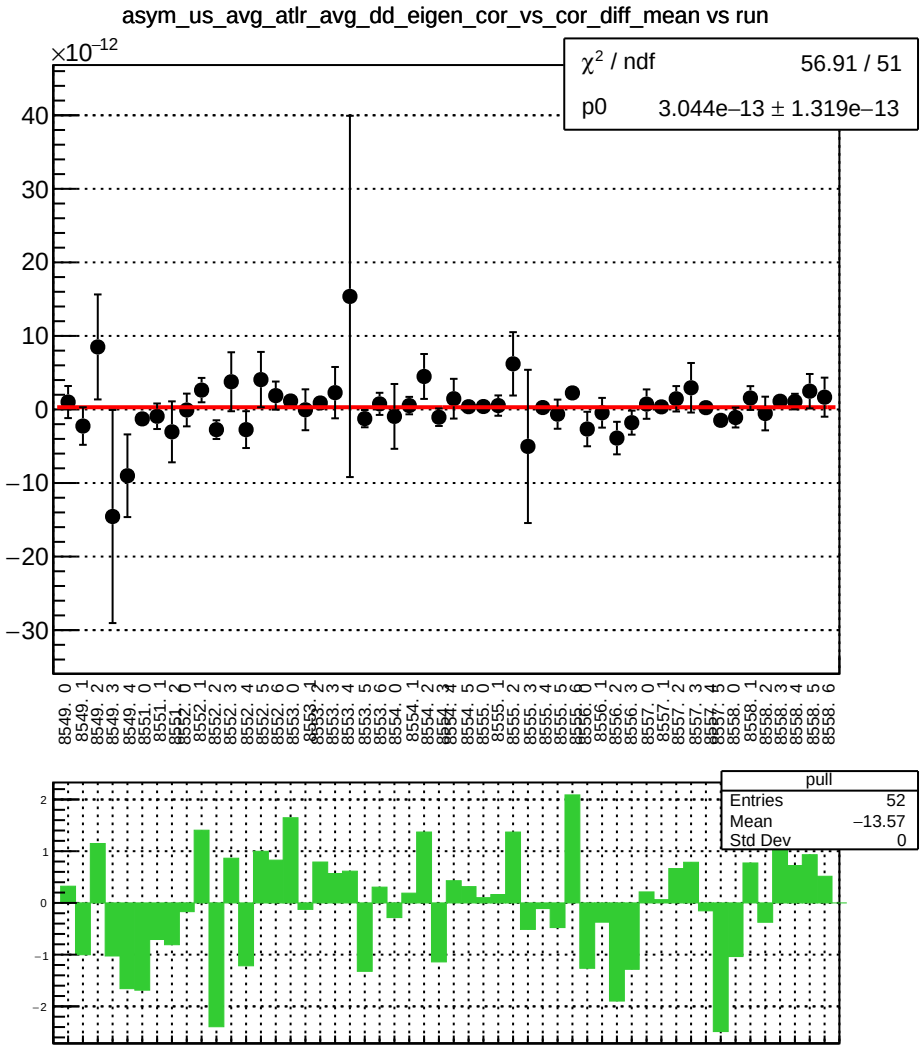

asym_us_avg_atlr_avg_dd_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 2648 / 51
p0 0.005853 ± 5.784e−06
0.0068
0.0066
0.0064
0.0062
0.006
0.0058
0.0056
0.0054
0.0052
0.005
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 5
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

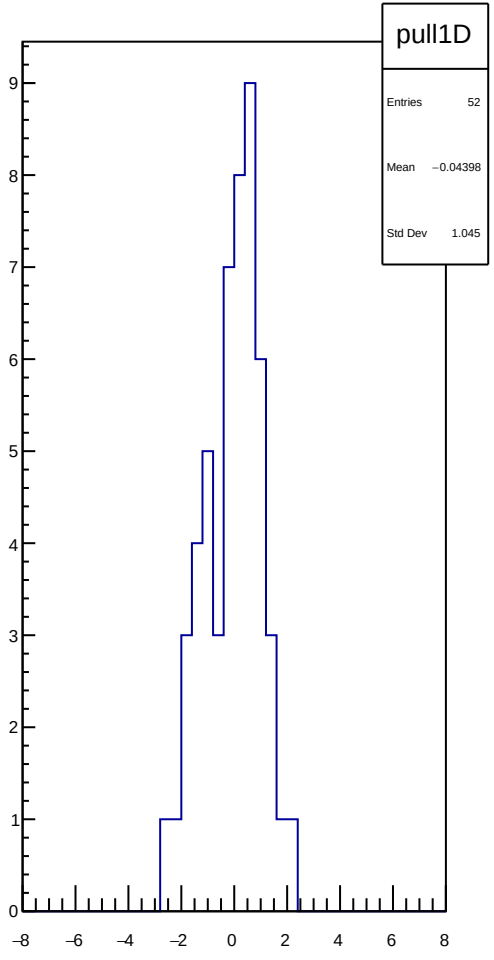

asym_us_avg_atlr_avg_dd_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 53.86 / 51
p0 1.337 ± 0.4509
pull
Entries 52
Mean 260.2
Std Dev 0
pull1D
Entries 52
Mean −0.02439
Std Dev 1.017

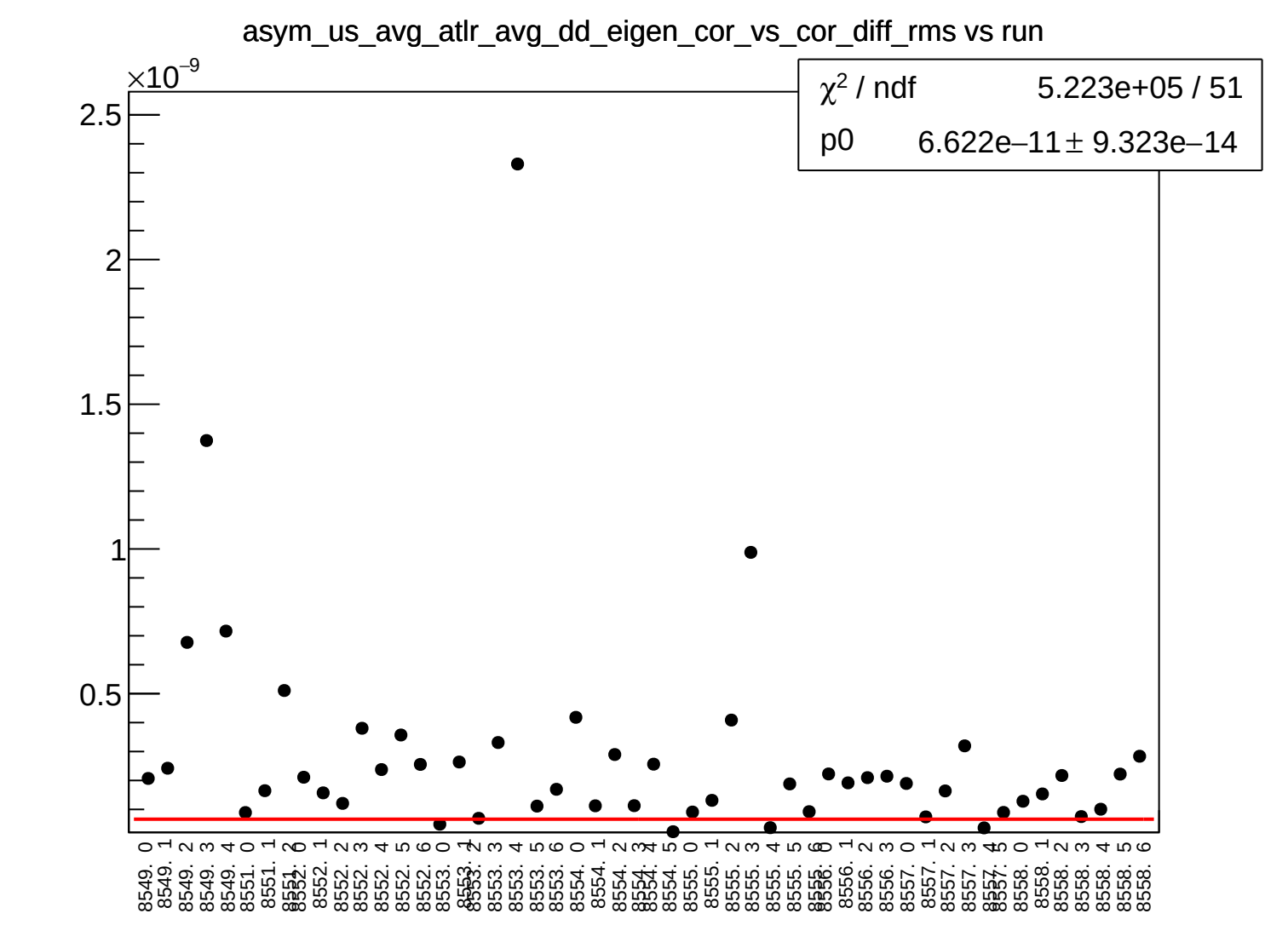

asym_us_avg_atlr_avg_dd_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 1.108e+05 / 51
p0 305.2 ± 0.3189
6000
5000
4000
3000
2000
1000
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

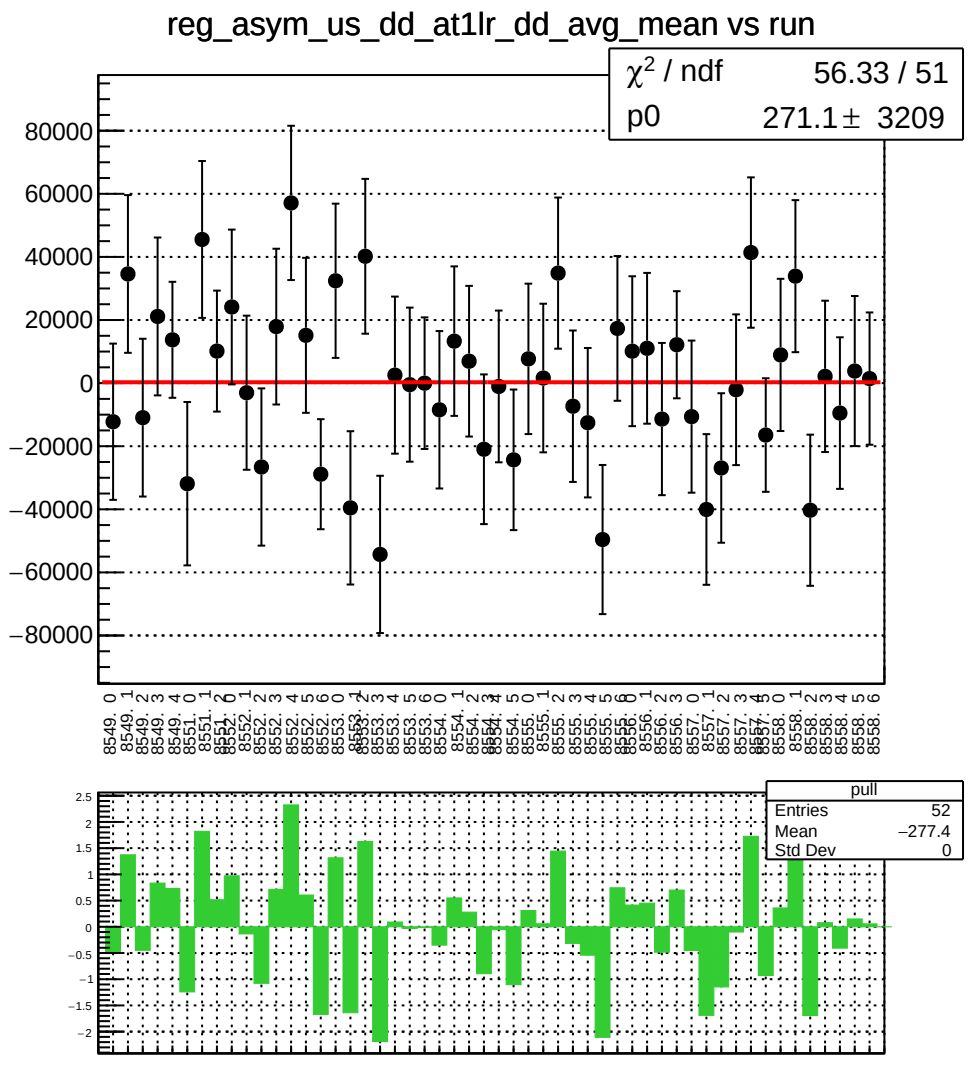

asym_us_avg_atlr_avg_dd_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 53.86 / 51
p0 1.337 ± 0.4509
pull
Entries 52
Mean 260.2
Std Dev 0
pull1D
Entries 52
Mean −0.02439
Std Dev 1.017

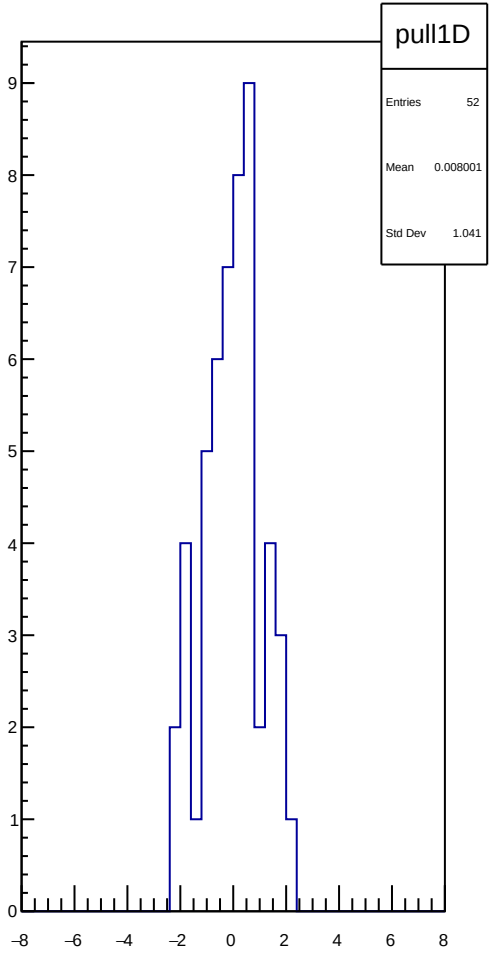

asym_us_avg_atlr_avg_dd_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.108e+05 / 51
p0 305.2 ± 0.3189
6000
5000
4000
3000
2000
1000
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 0
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 2
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 5
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

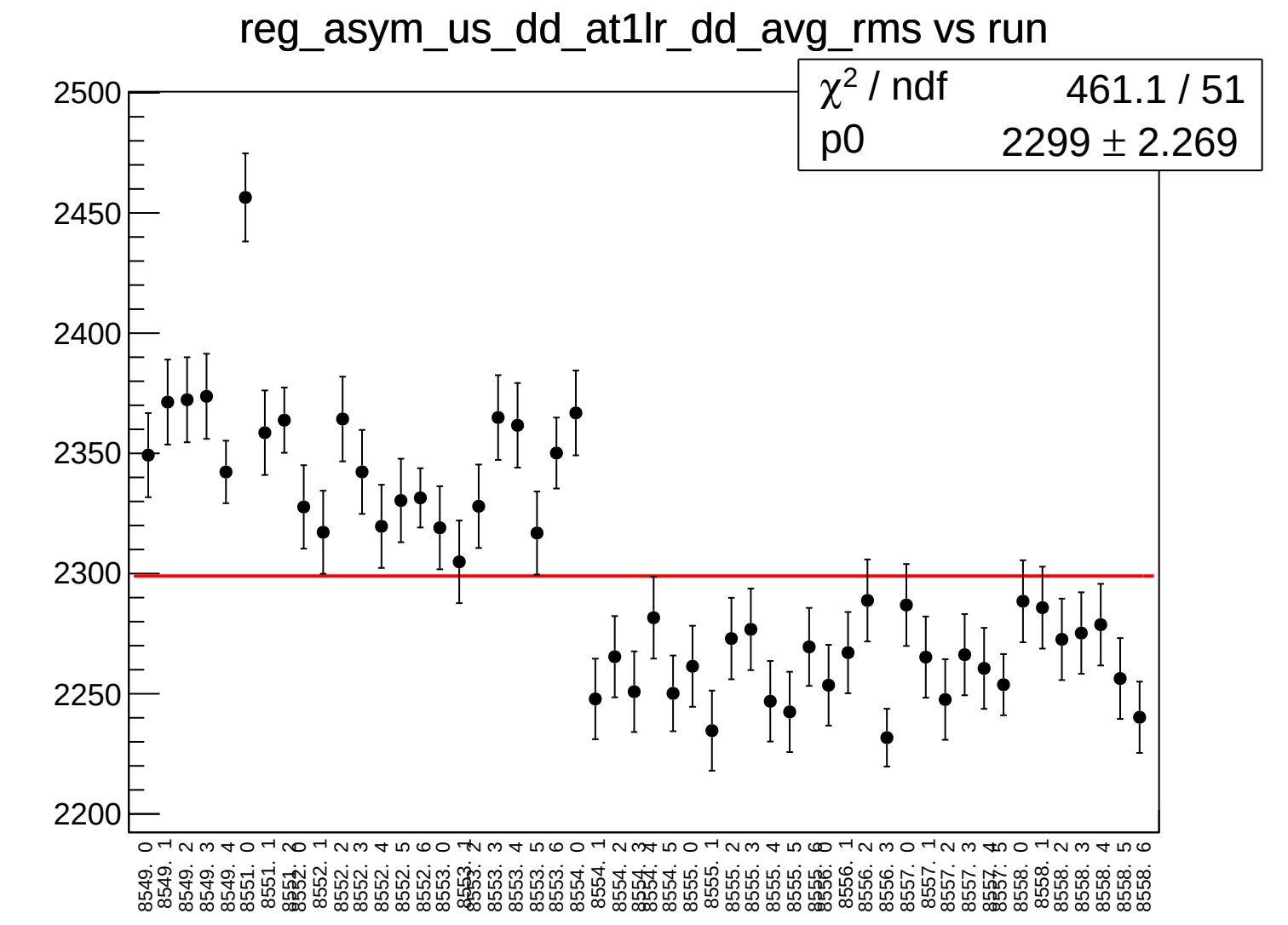

asym_us_avg_atlr_avg_dd_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 56.91 / 51
p0 3.044e−13 ± 1.319e−13
pull
Entries 52
Mean −13.57
Std Dev 0


pull1D
Entries 52
Mean −0.04398
Std Dev 1.045


asym_us_avg_atlr_avg_dd_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 5.223e+05 / 51
p0 6.622e−11 ± 9.323e−14
2.5
2
1.5
1
0.5
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 0
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 1
8553. 2
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 3
8554. 4
8554. 5
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 0
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8557. 4
8557. 5
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6


reg_asym_us_dd_at1lr_dd_avg_mean vs run
χ² / ndf 56.33 / 51
p0 271.1 ± 3209
pull
Entries 52
Mean −277.4
Std Dev 0


pull1D
Entries 52
Mean 0.008001
Std Dev 1.041


reg_asym_us_dd_at1lr_dd_avg_rms vs run
χ² / ndf 461.1 / 51
p0 2299 ± 2.269
2500
2450
2400
2350
2300
2250
2200
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
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8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
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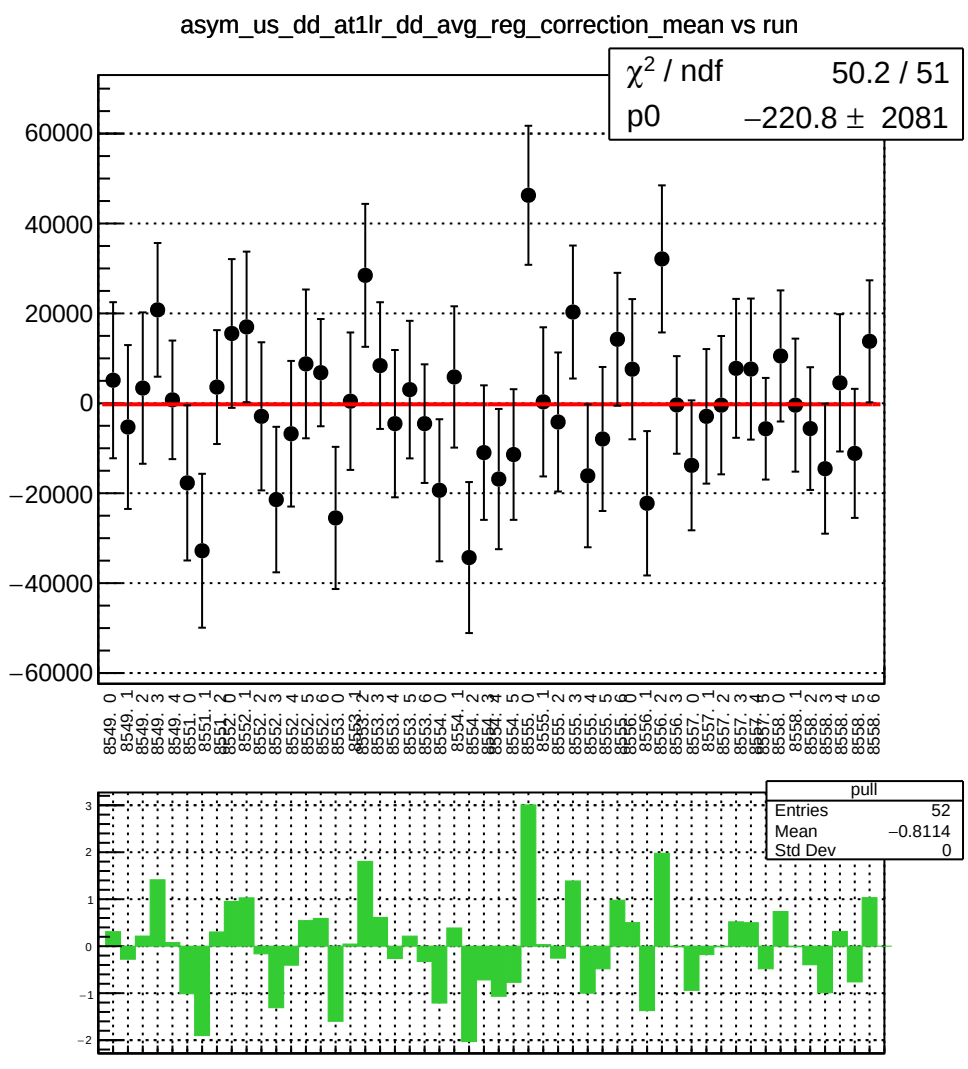
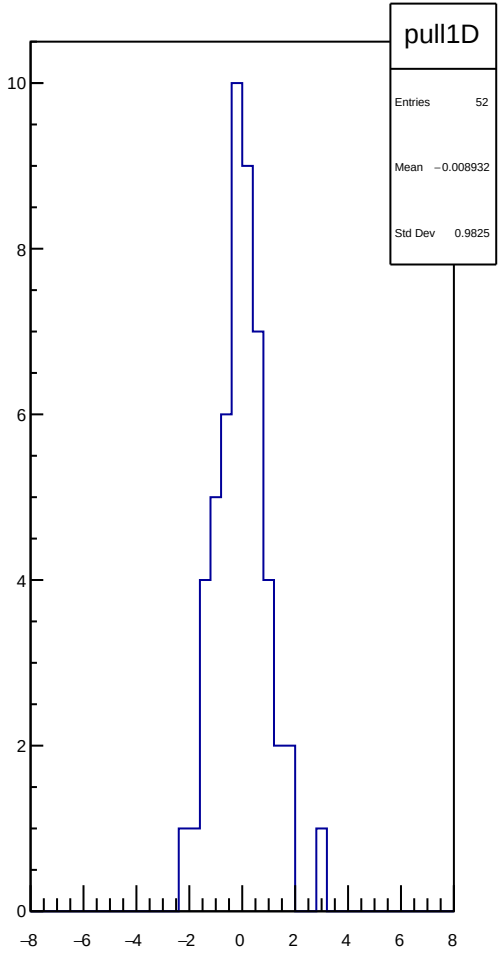
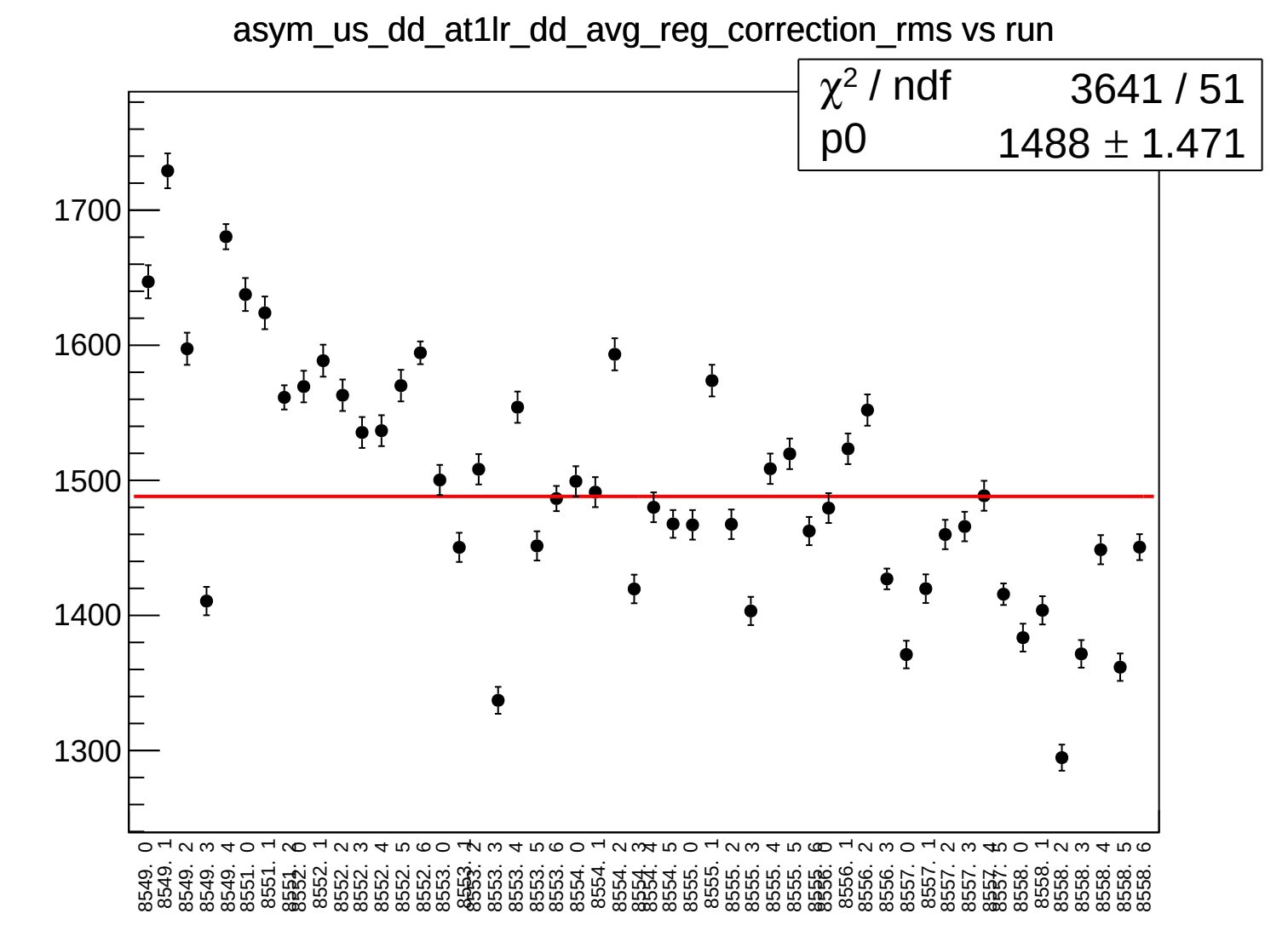
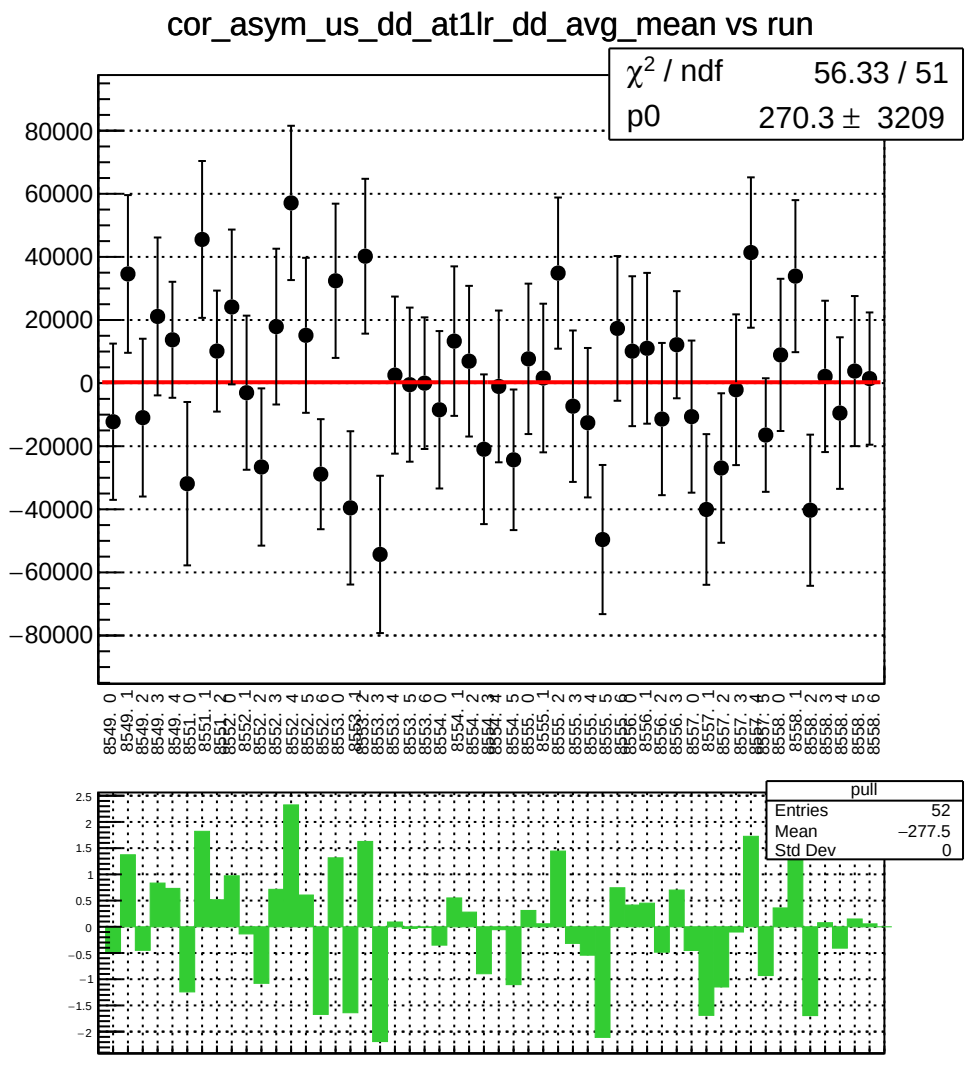
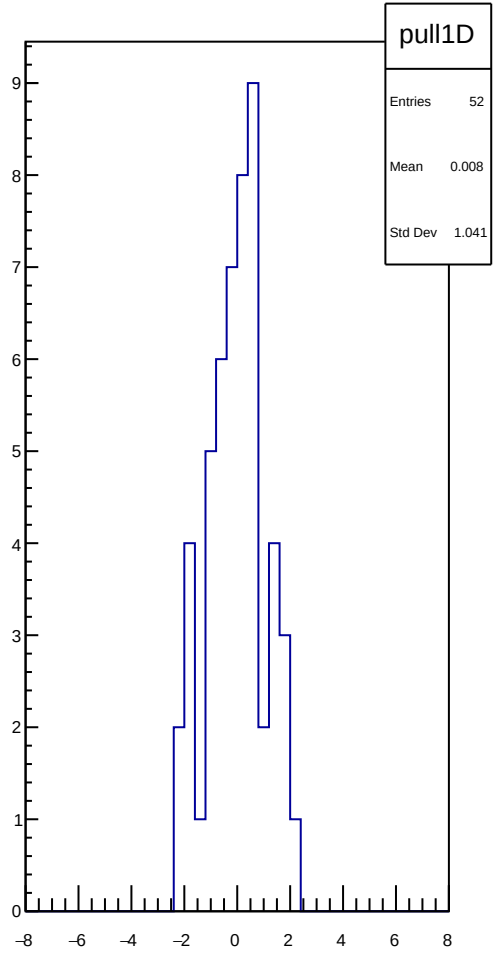
8558. 5
8558. 6

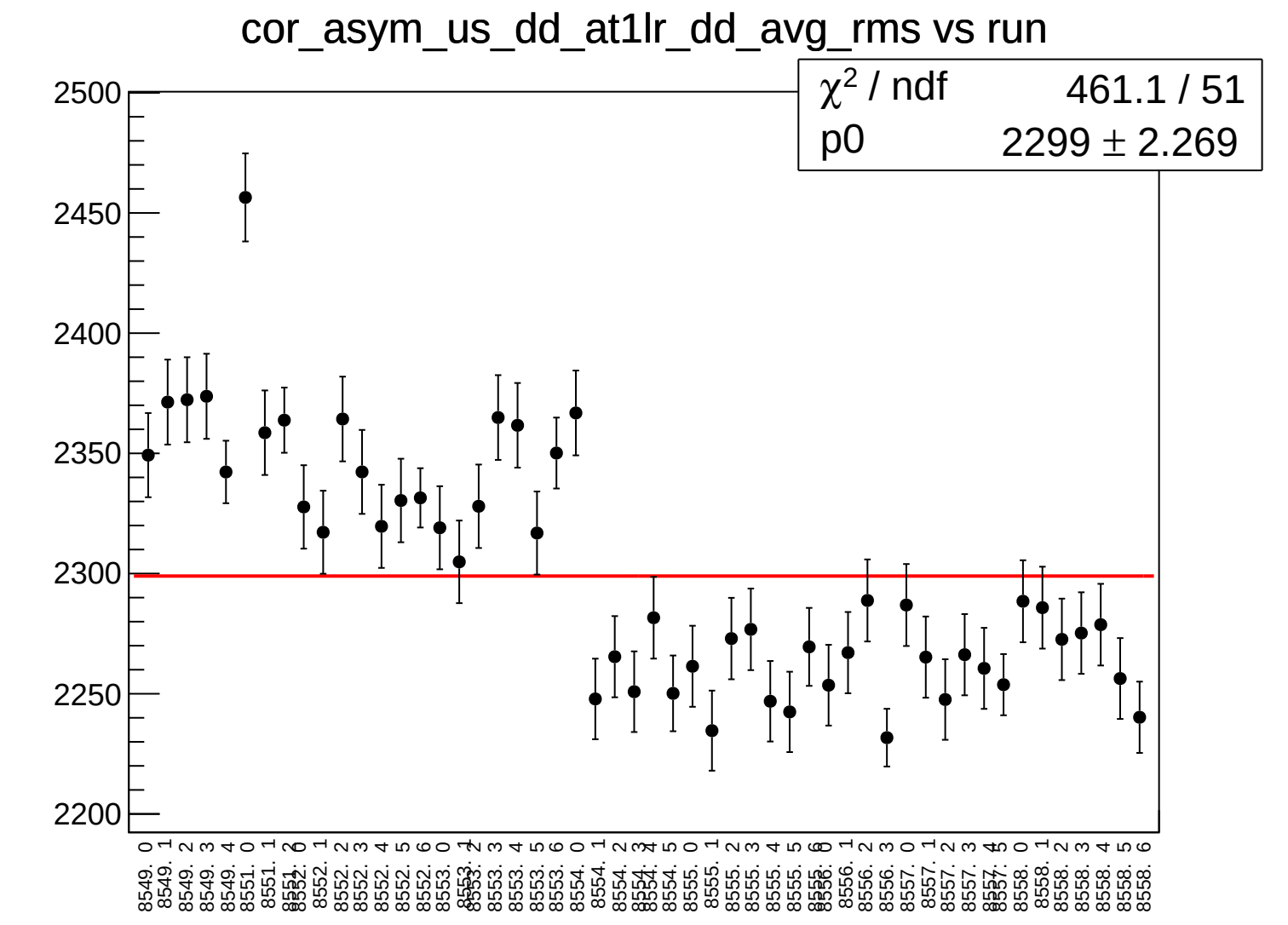

asym_us_dd_at1lr_dd_avg_reg_correction_mean vs run
χ² / ndf 50.2 / 51
p0 −220.8 ± 2081
pull
Entries 52
Mean −0.8114
Std Dev 0

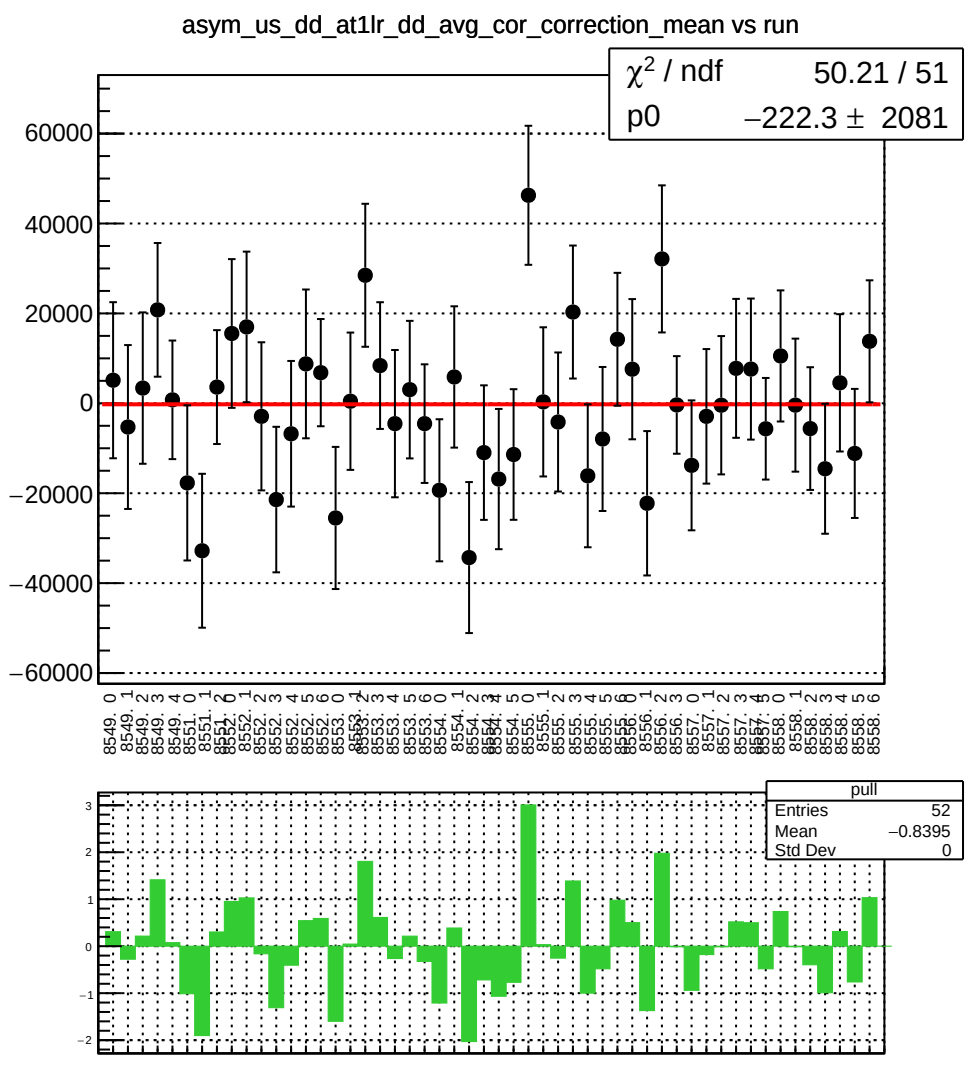

pull1D
Entries 52
Mean −0.008932
Std Dev 0.9825

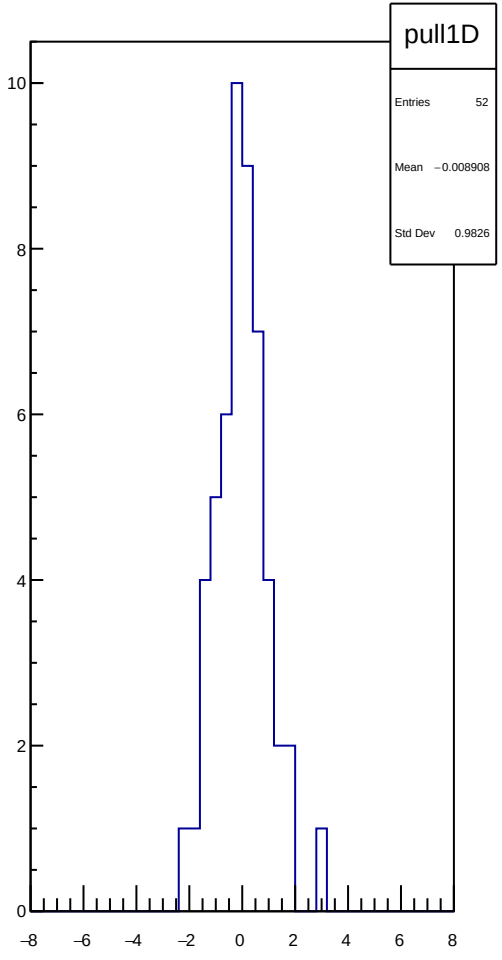

asym_us_dd_at1lr_dd_avg_reg_correction_rms vs run
χ² / ndf 3641 / 51
p0 1488 ± 1.471
1700
1600
1500
1400
1300
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

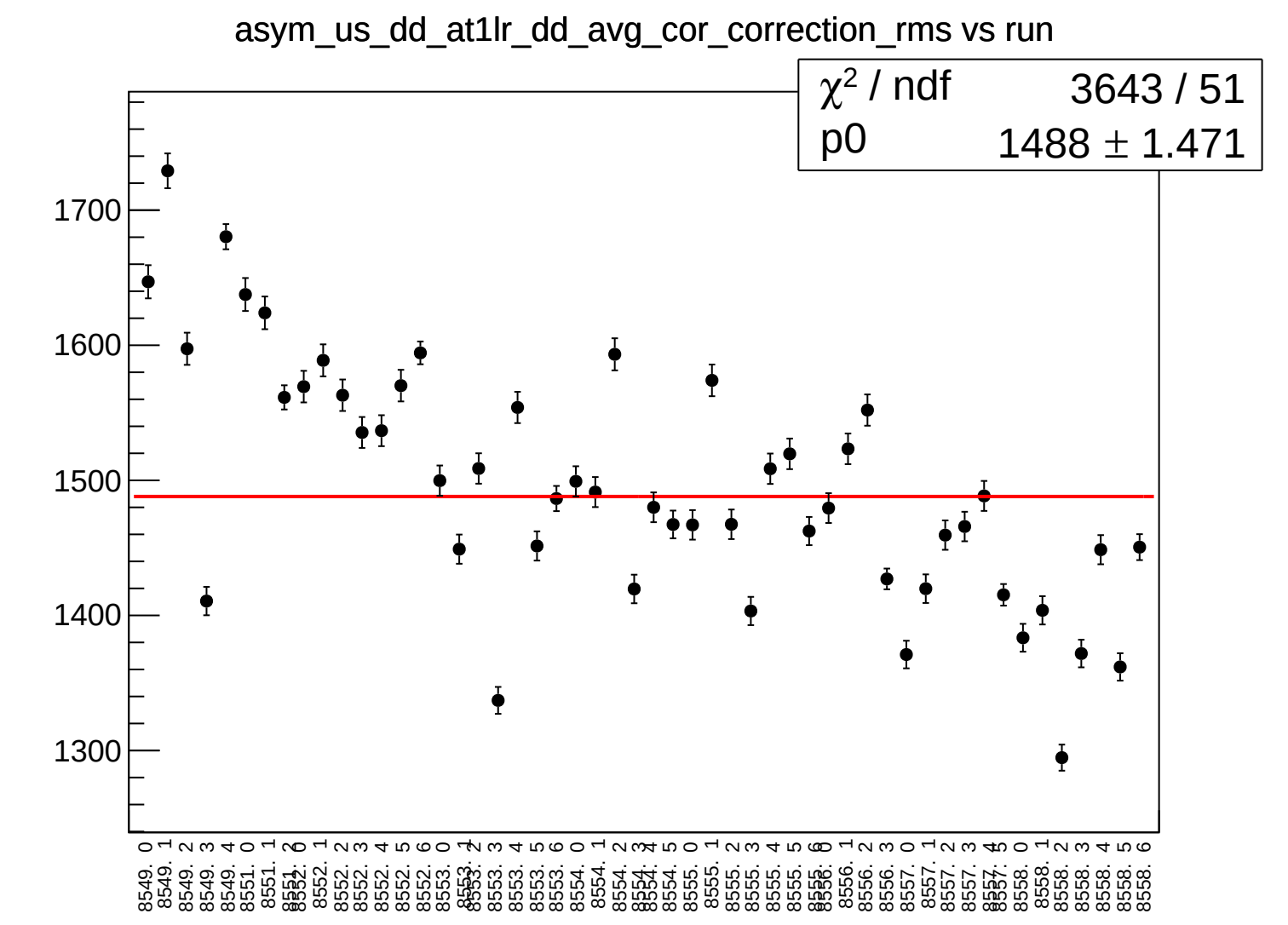

cor_asym_us_dd_at1lr_dd_avg_mean vs run
χ² / ndf 56.33 / 51
p0 270.3 ± 3209
pull
Entries 52
Mean −277.5
Std Dev 0

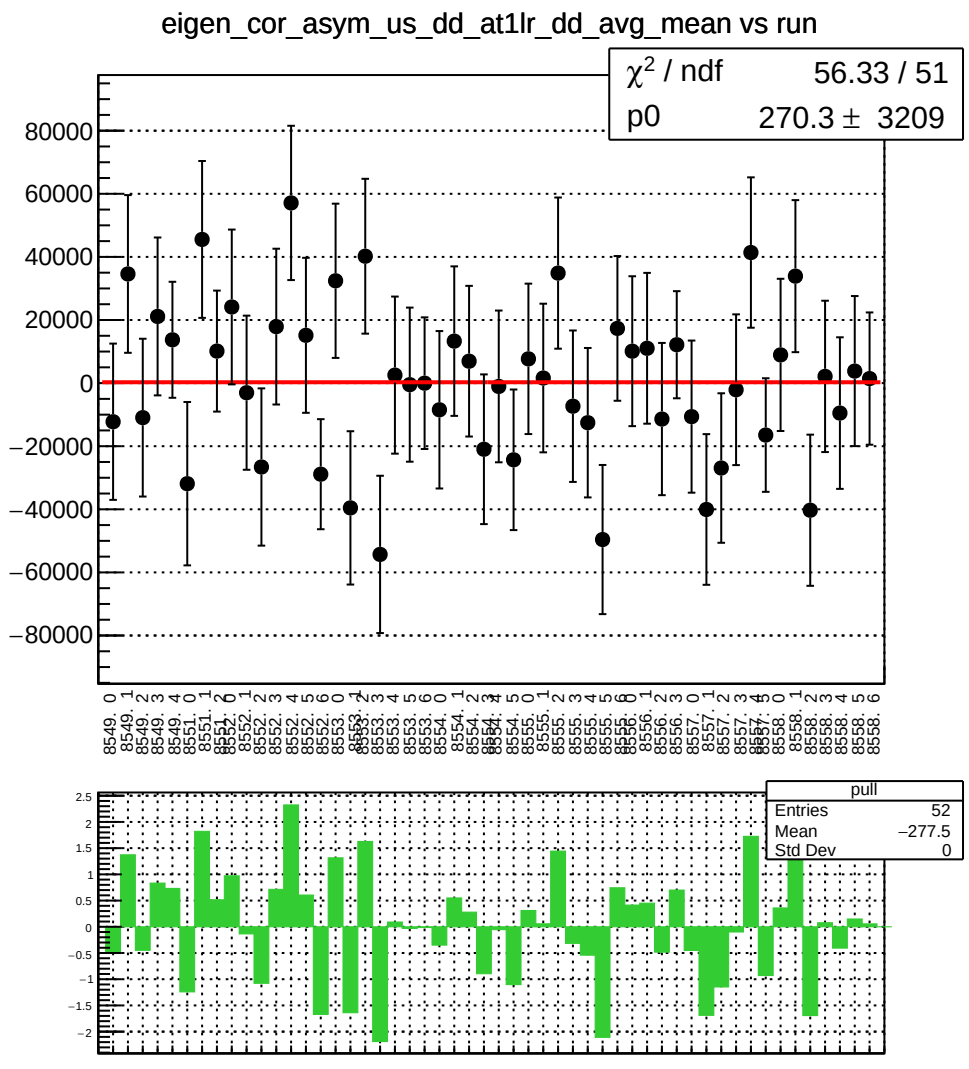

pull1D
Entries 52
Mean 0.008
Std Dev 1.041

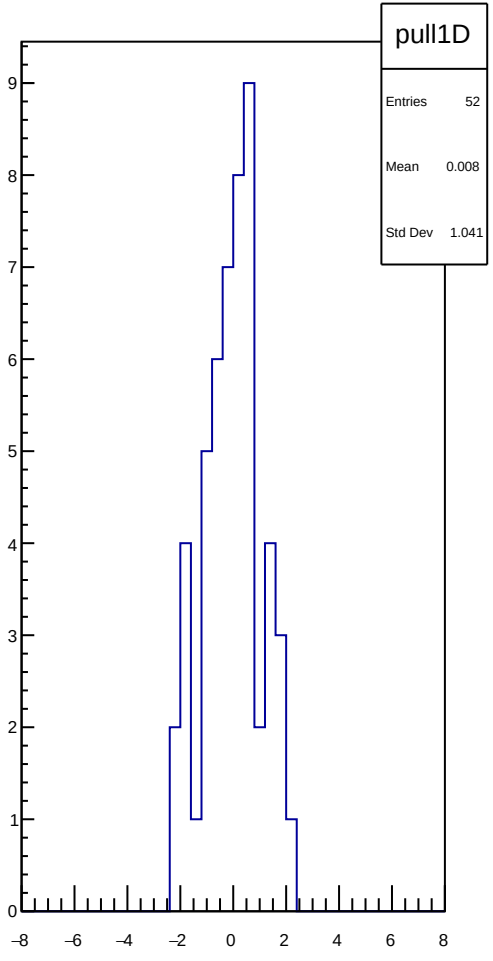

cor_asym_us_dd_at1lr_dd_avg_rms vs run
χ² / ndf 461.1 / 51
p0 2299 ± 2.269
2500
2450
2400
2350
2300
2250
2200
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

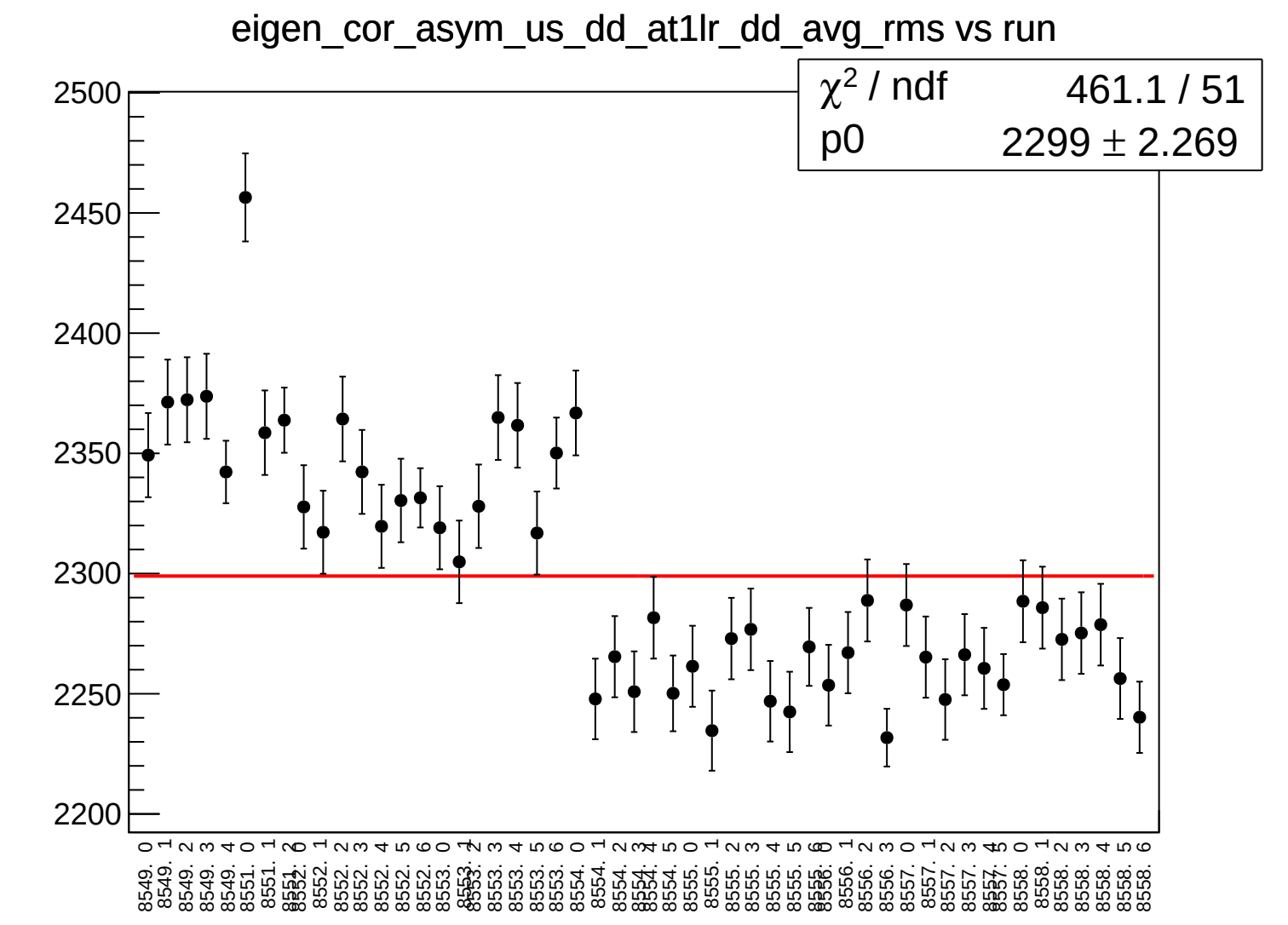

asym_us_dd_at1lr_dd_avg_cor_correction_mean vs run
χ² / ndf 50.21 / 51
p0 −222.3 ± 2081
pull
Entries 52
Mean −0.8395
Std Dev 0

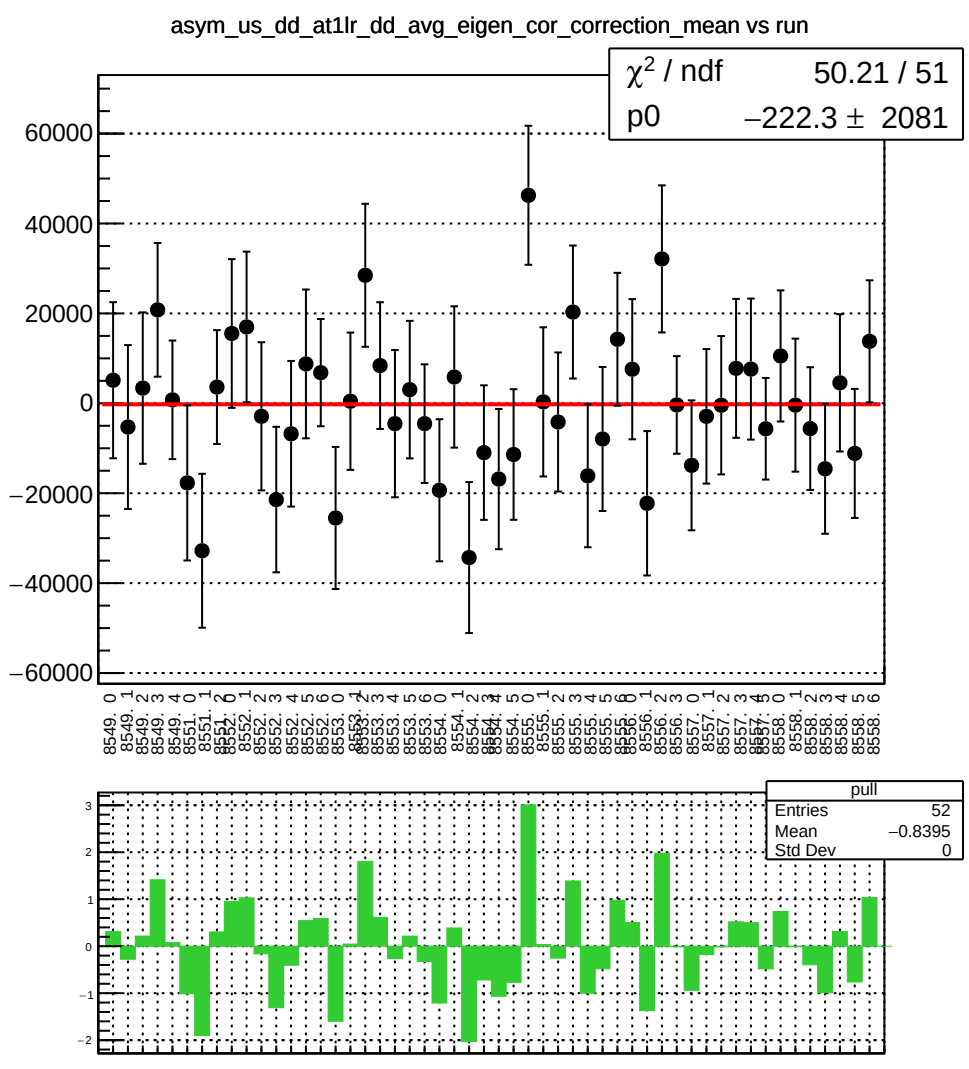

pull1D
Entries 52
Mean −0.008908
Std Dev 0.9826

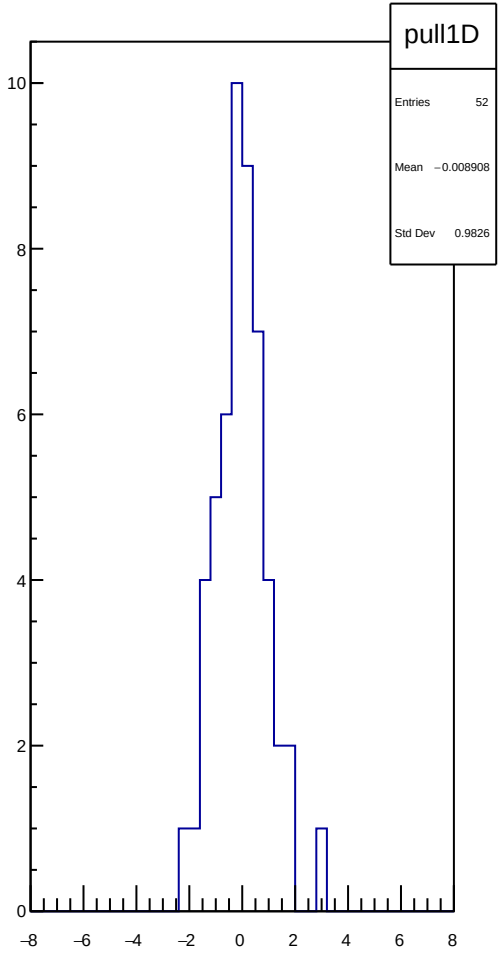

asym_us_dd_at1lr_dd_avg_cor_correction_rms vs run
χ² / ndf 3643 / 51
p0 1488 ± 1.471
1700
1600
1500
1400
1300
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

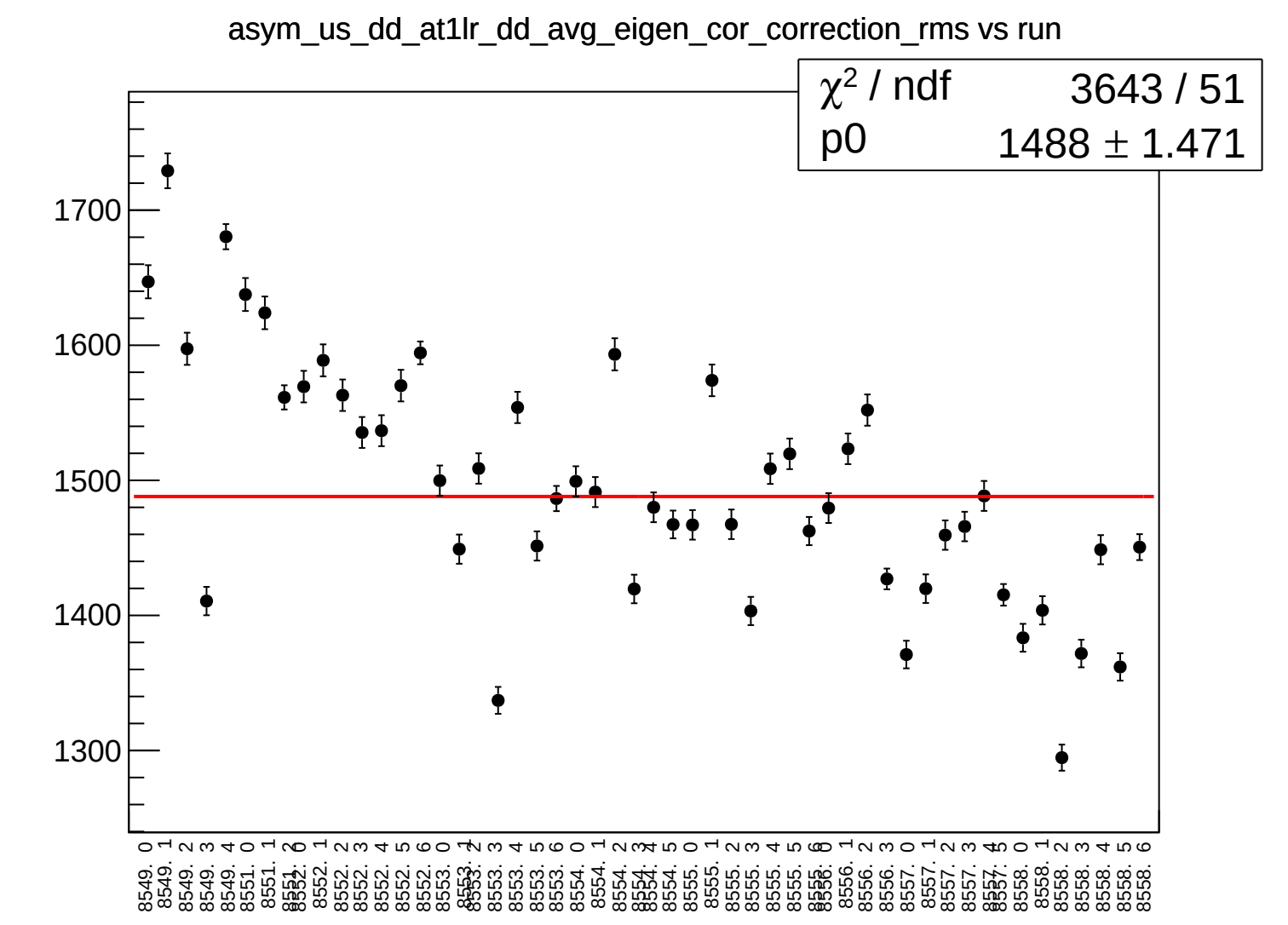

eigen_cor_asym_us_dd_at1lr_dd_avg_mean vs run
χ² / ndf 56.33 / 51
p0 270.3 ± 3209
pull
Entries 52
Mean −277.5
Std Dev 0


pull1D
Entries 52
Mean 0.008
Std Dev 1.041


eigen_cor_asym_us_dd_at1lr_dd_avg_rms vs run
χ² / ndf 461.1 / 51
p0 2299 ± 2.269
2500
2450
2400
2350
2300
2250
2200
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6


asym_us_dd_at1lr_dd_avg_eigen_cor_correction_mean vs run
χ² / ndf 50.21 / 51
p0 −222.3 ± 2081
pull
Entries 52
Mean −0.8395
Std Dev 0


pull1D
Entries 52
Mean −0.008908
Std Dev 0.9826


asym_us_dd_at1lr_dd_avg_eigen_cor_correction_rms vs run
χ² / ndf 3643 / 51
p0 1488 ± 1.471
1700
1600
1500
1400
1300
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 5
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
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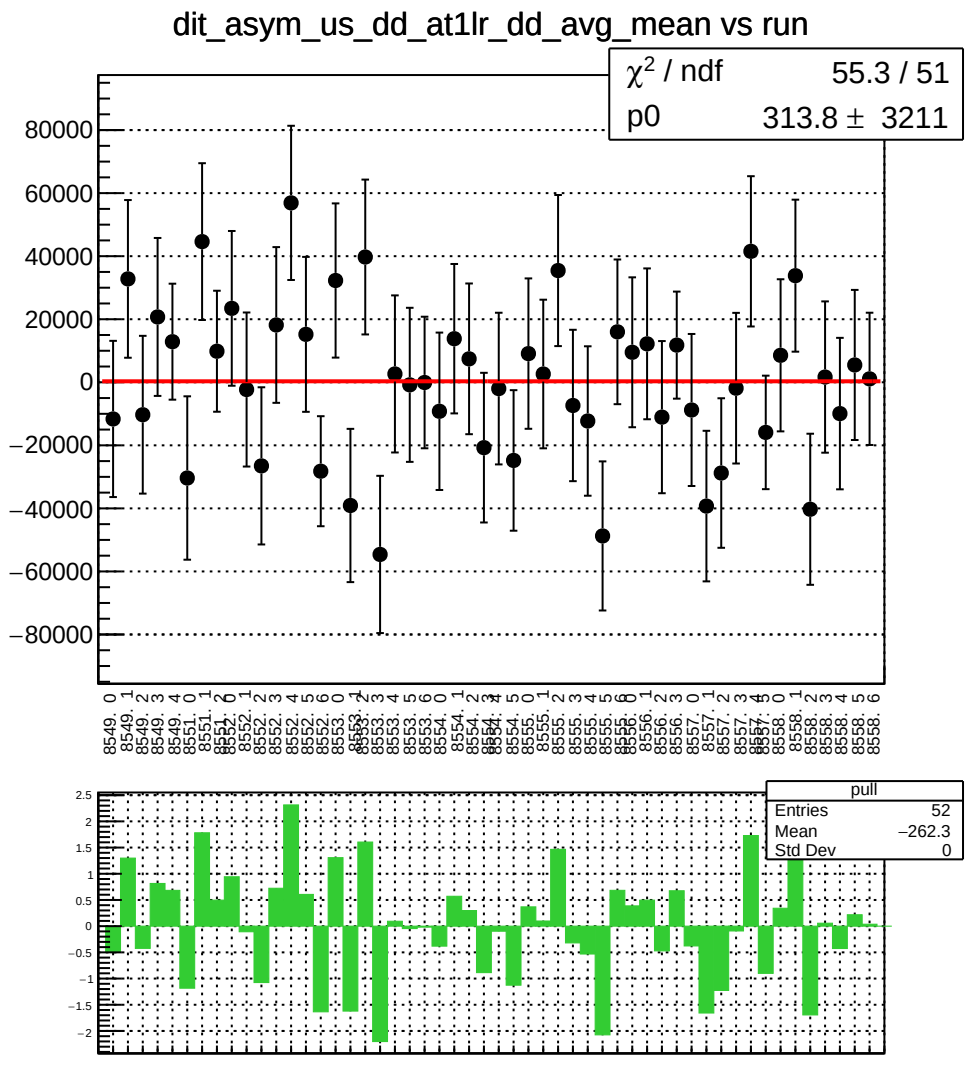
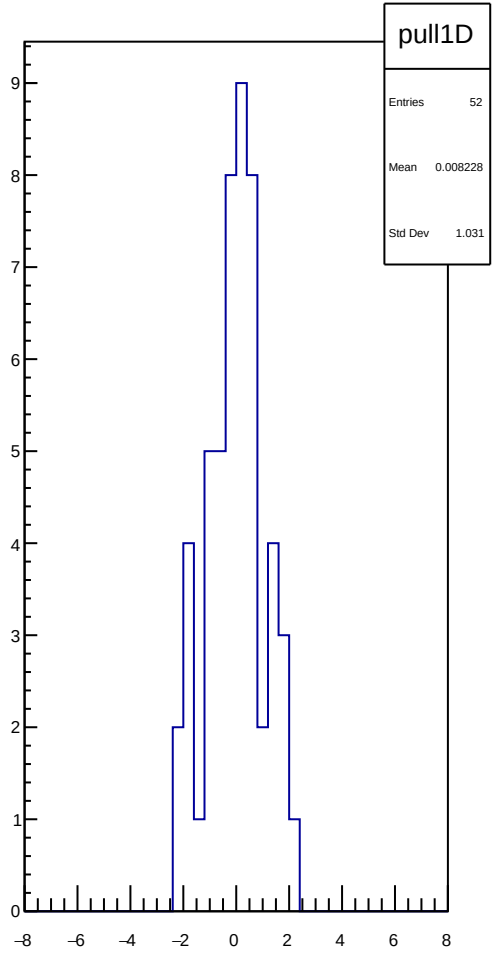
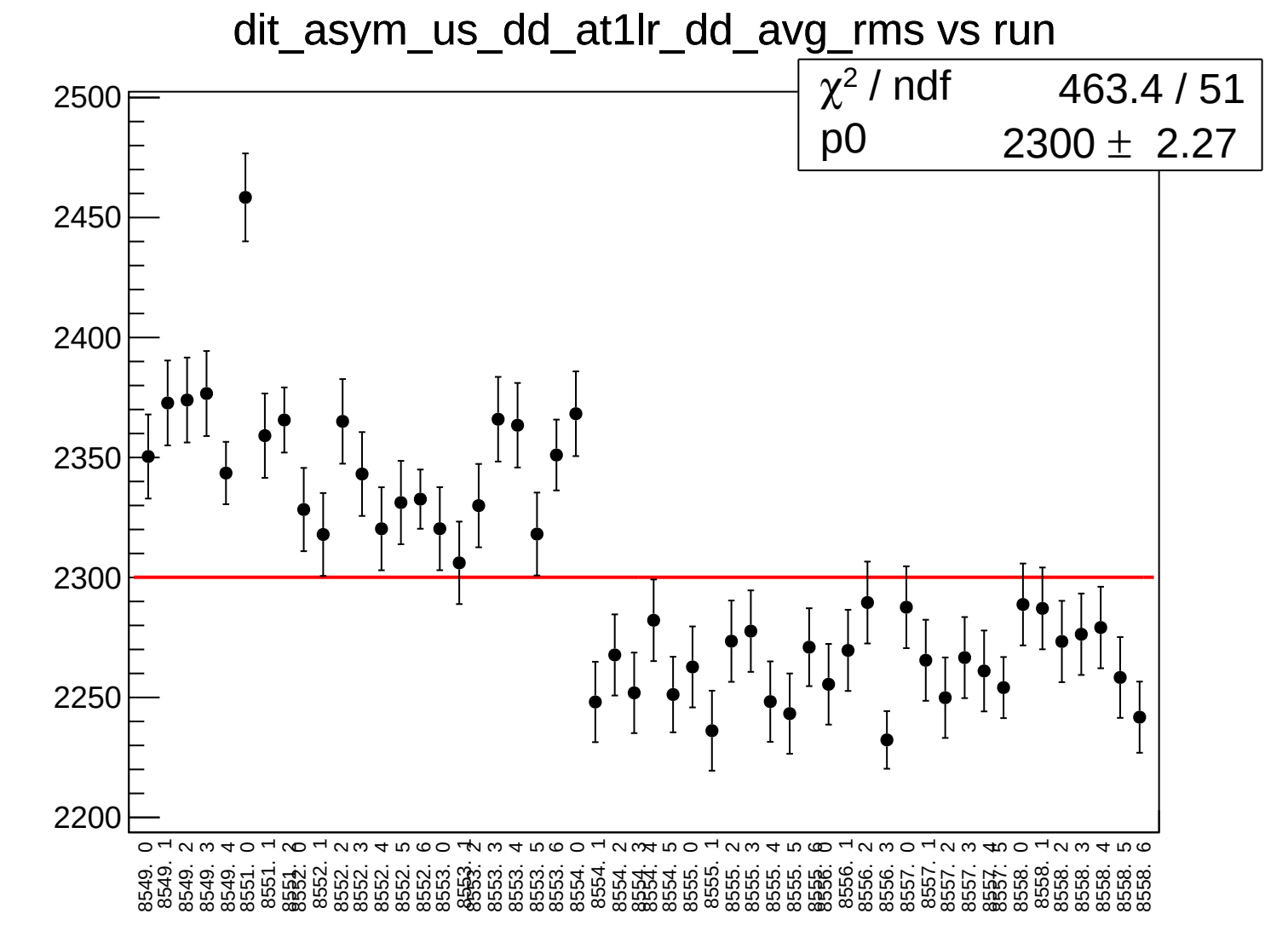
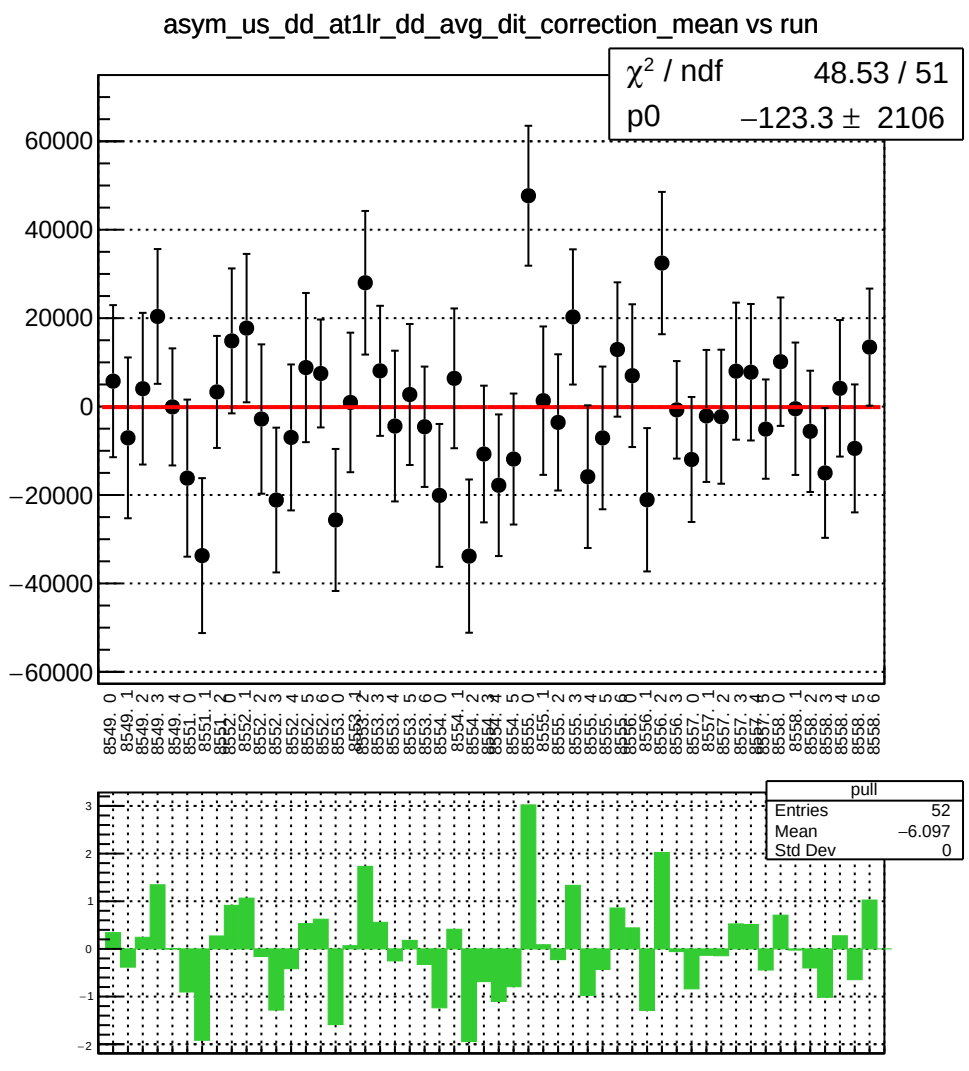
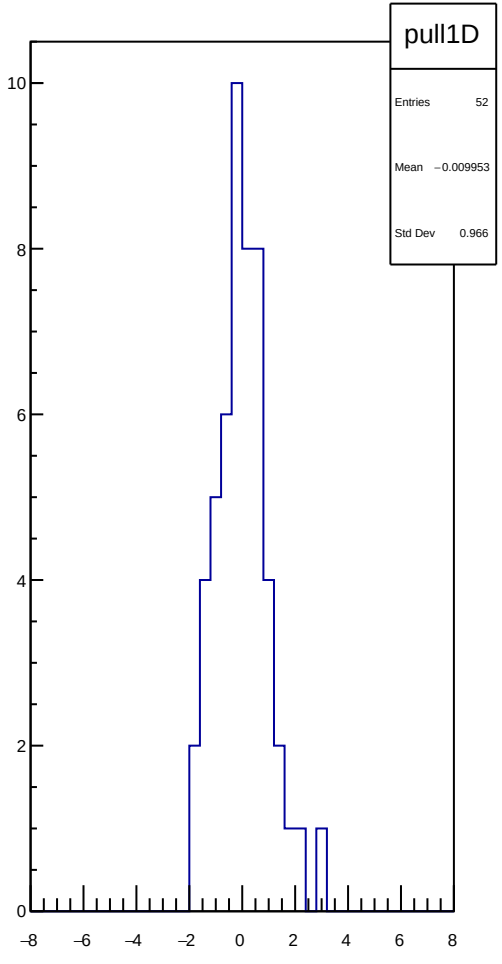
8558. 5
8558. 6

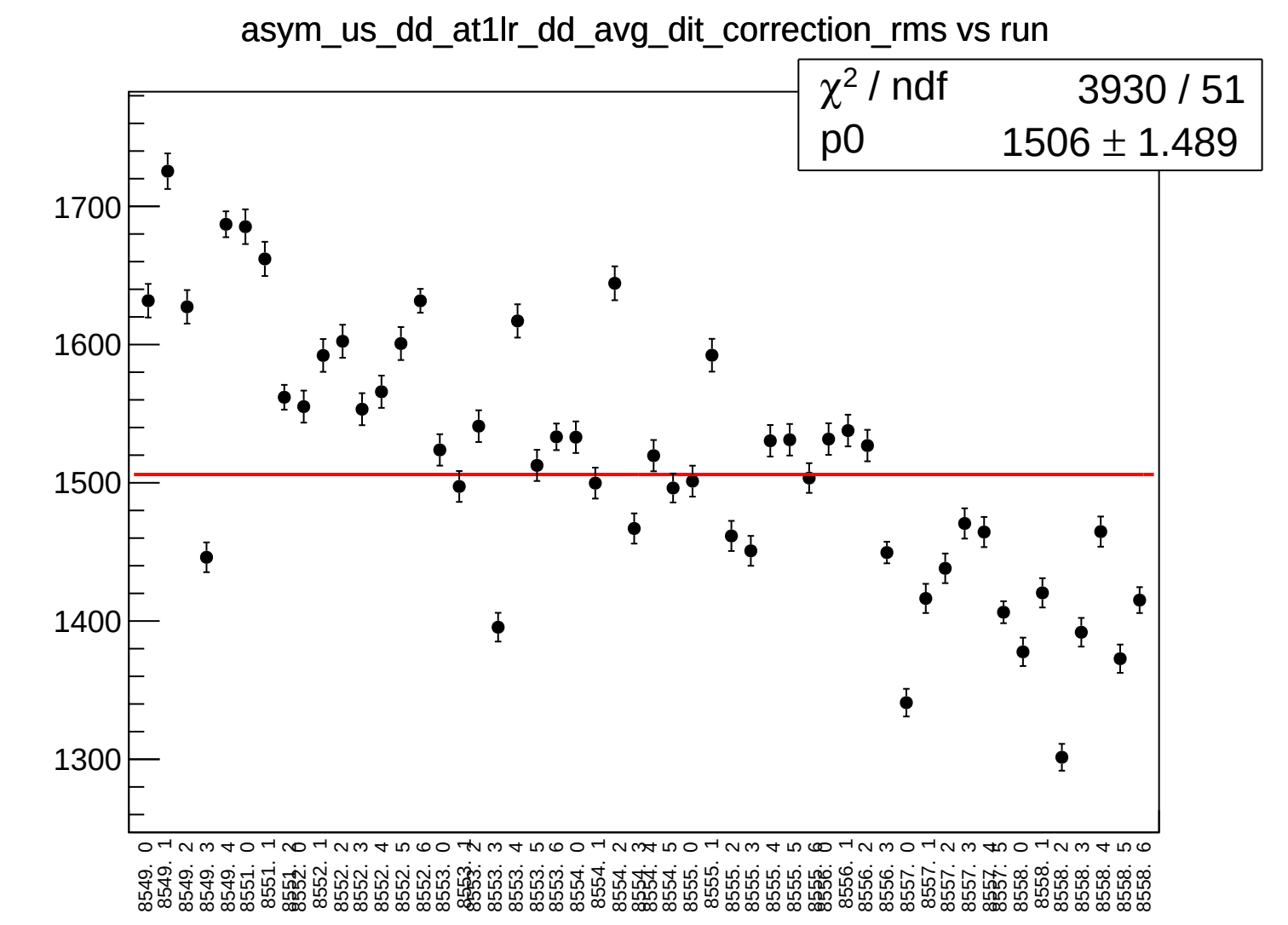

dit_asym_us_dd_at1lr_dd_avg_mean vs run
χ² / ndf 55.3 / 51
p0 313.8 ± 3211
80000
60000
40000
20000
0
−20000
−40000
−60000
−80000
pull
Entries 52
Mean −262.3
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2


pull1D
Entries 52
Mean 0.008228
Std Dev 1.031
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


dit_asym_us_dd_at1lr_dd_avg_rms vs run
χ² / ndf 463.4 / 51
p0 2300 ± 2.27
2500
2450
2400
2350
2300
2250
2200
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6


asym_us_dd_at1lr_dd_avg_dit_correction_mean vs run
χ² / ndf 48.53 / 51
p0 −123.3 ± 2106
pull
Entries 52
Mean −6.097
Std Dev 0


pull1D
Entries 52
Mean −0.009953
Std Dev 0.966


asym_us_dd_at1lr_dd_avg_dit_correction_rms vs run
χ² / ndf 3930 / 51
p0 1506 ± 1.489
1700
1600
1500
1400
1300
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 5
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
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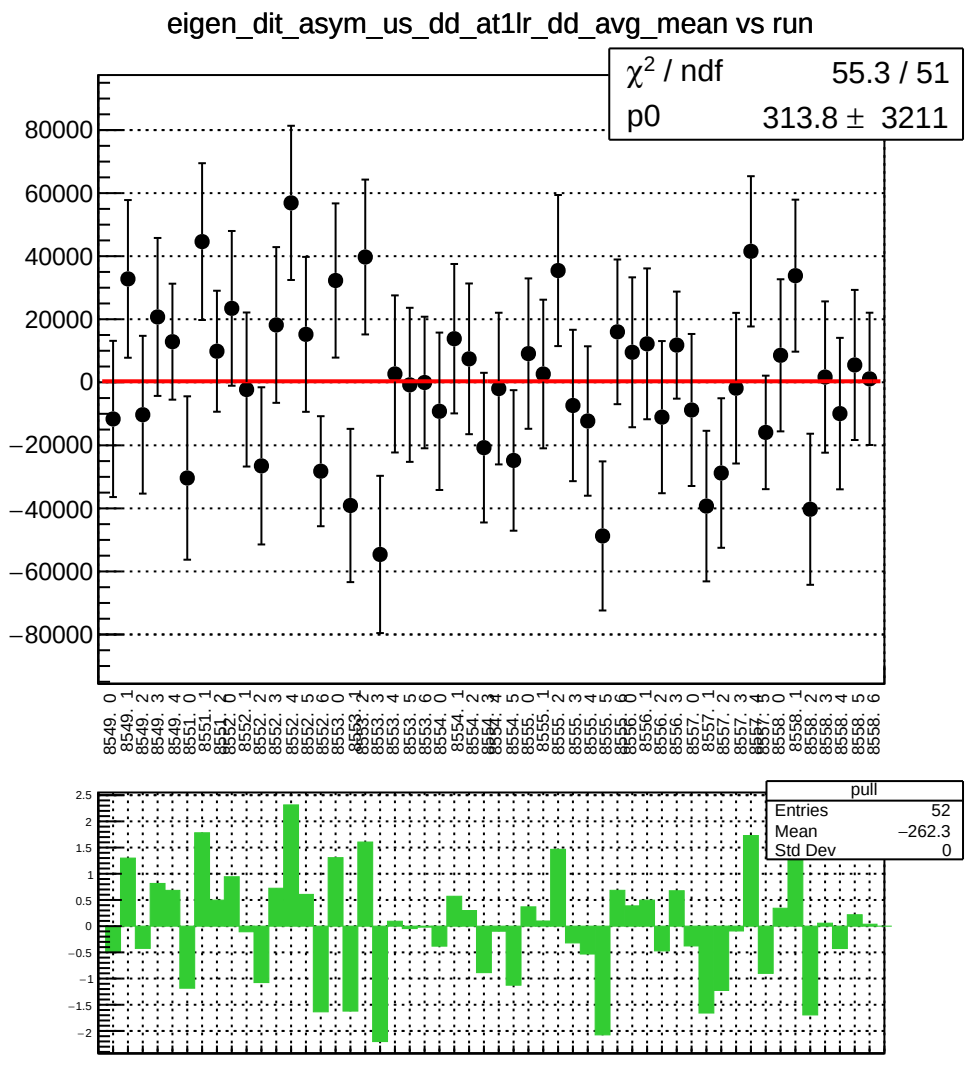
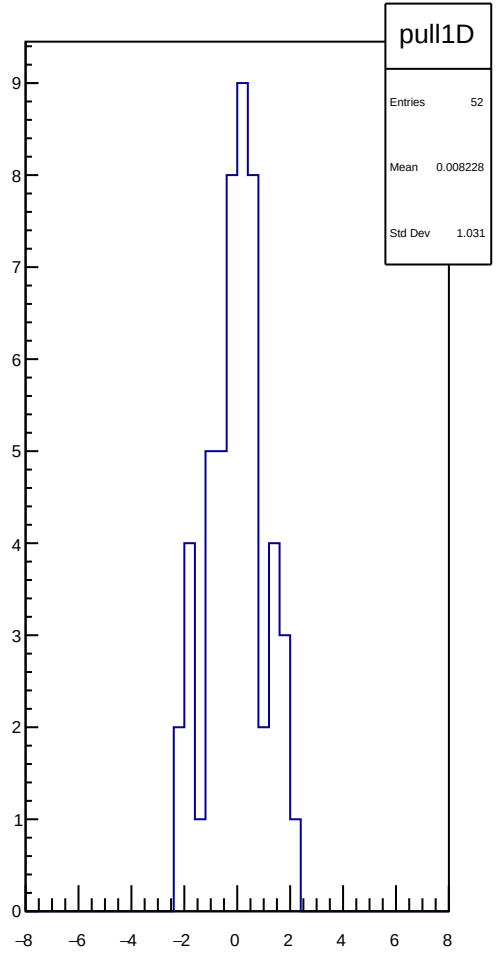
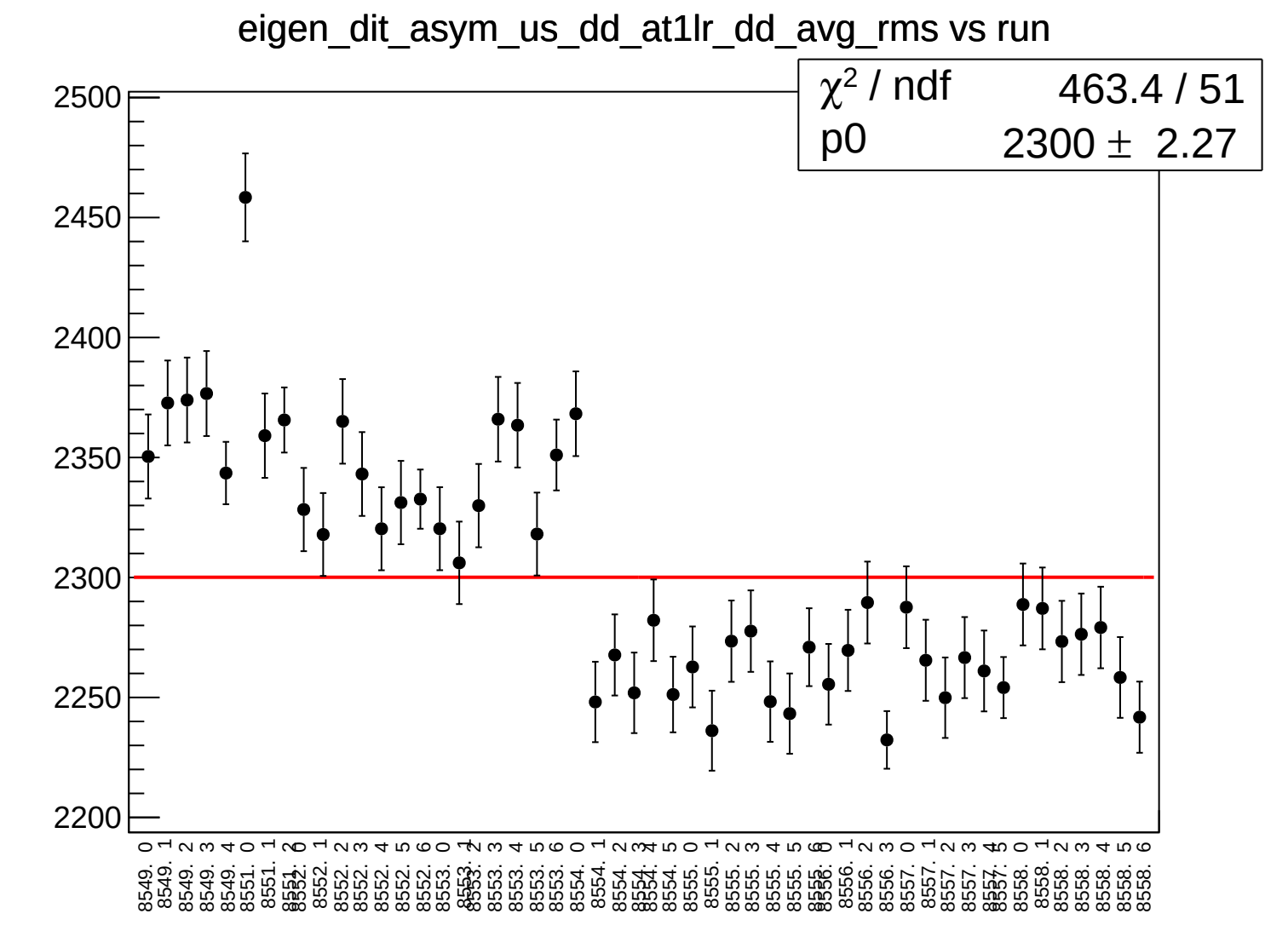
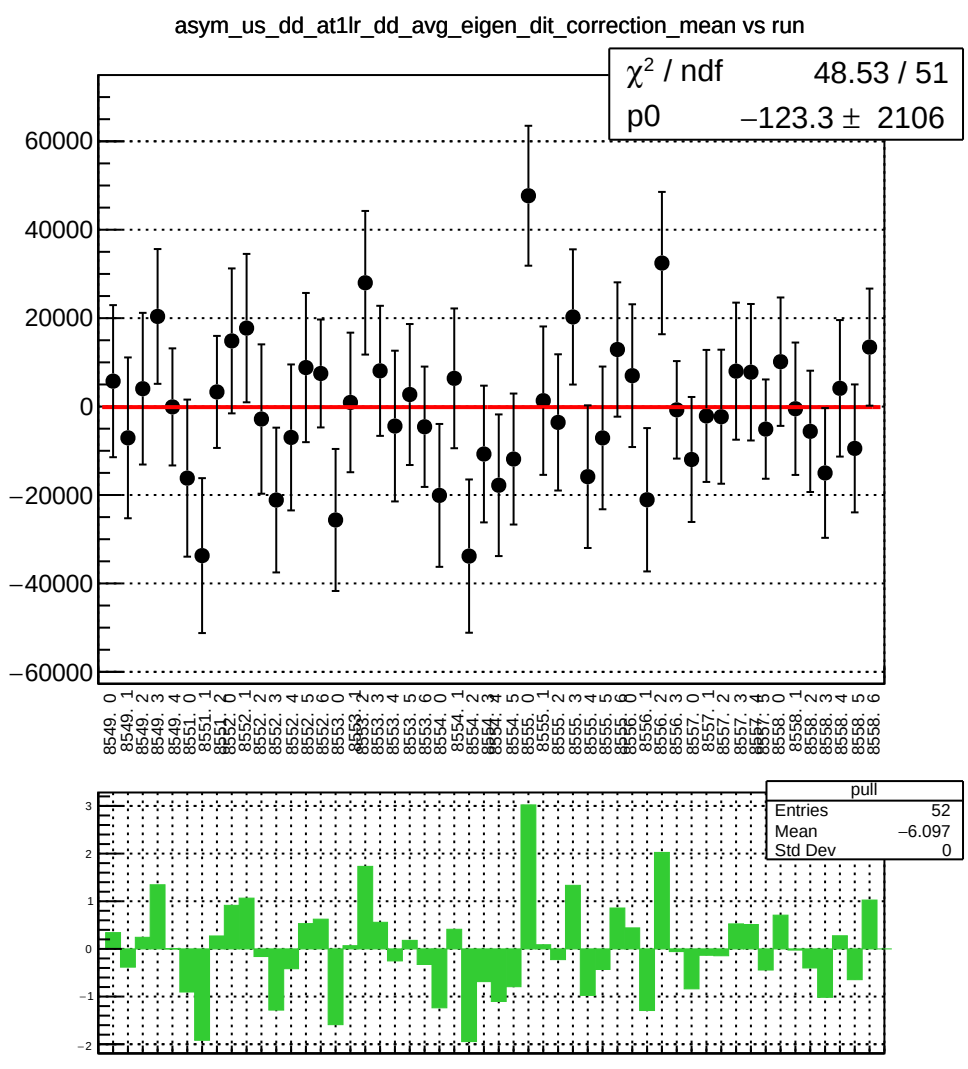
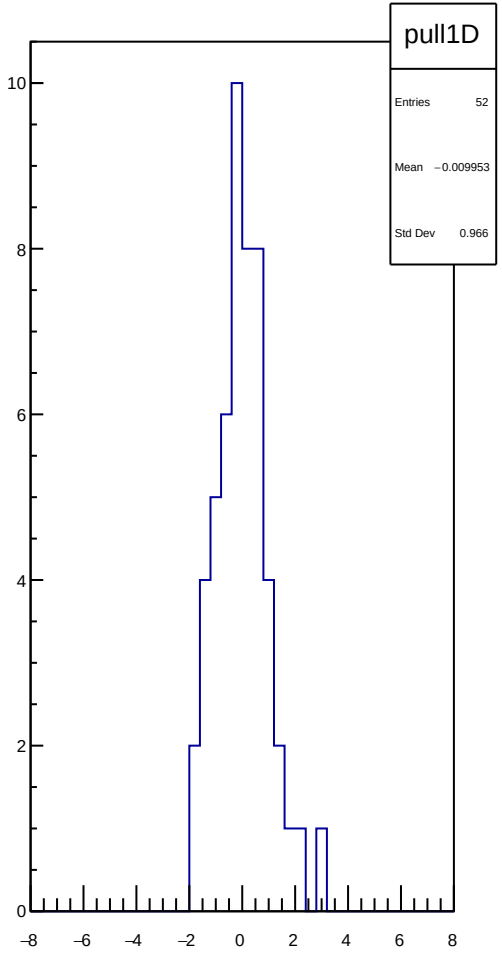
8558. 5
8558. 6

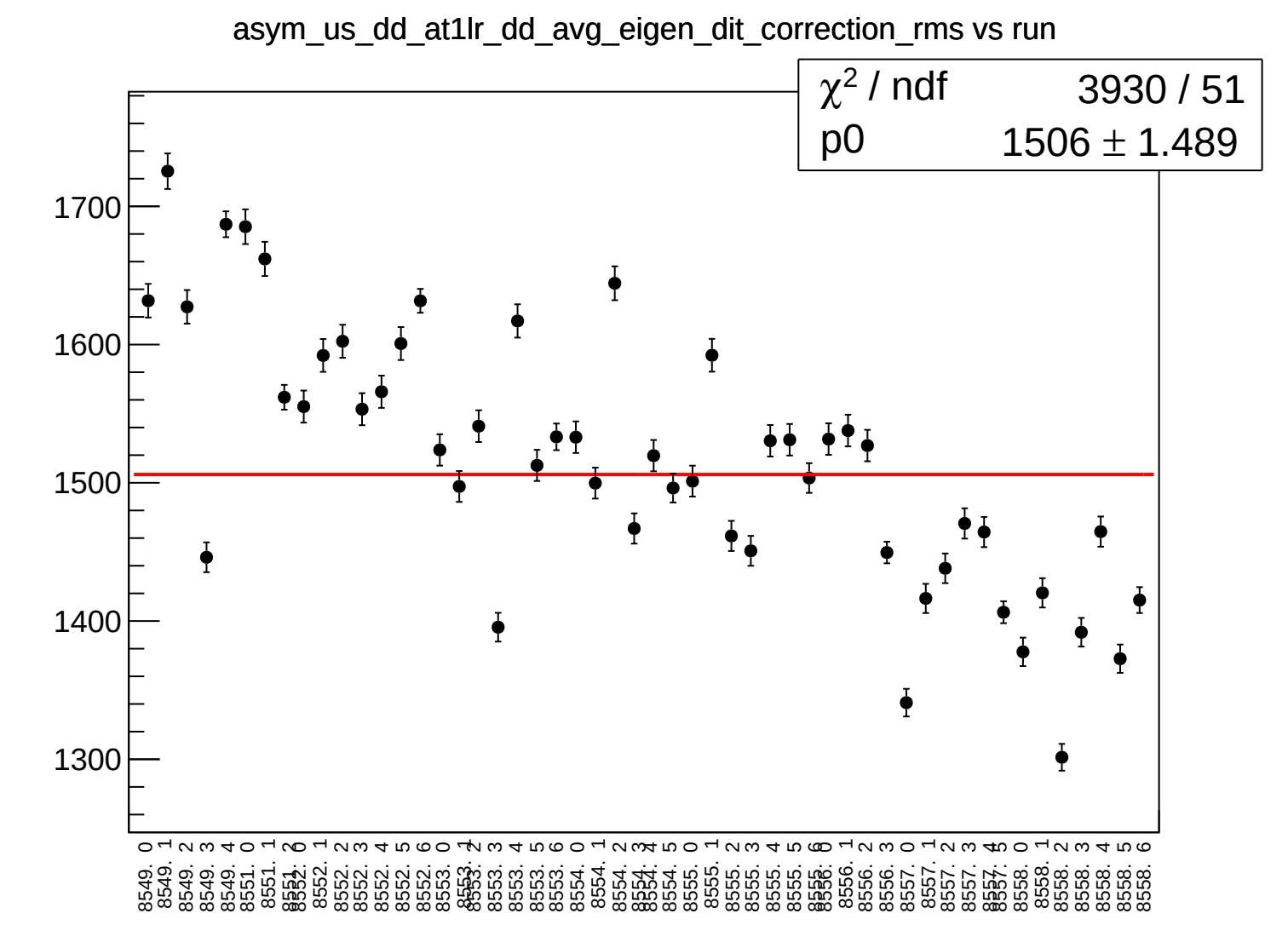

eigen_dit_asym_us_dd_at1lr_dd_avg_mean vs run
χ² / ndf 55.3 / 51
p0 313.8 ± 3211
80000
60000
40000
20000
0
−20000
−40000
−60000
−80000
pull
Entries 52
Mean −262.3
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

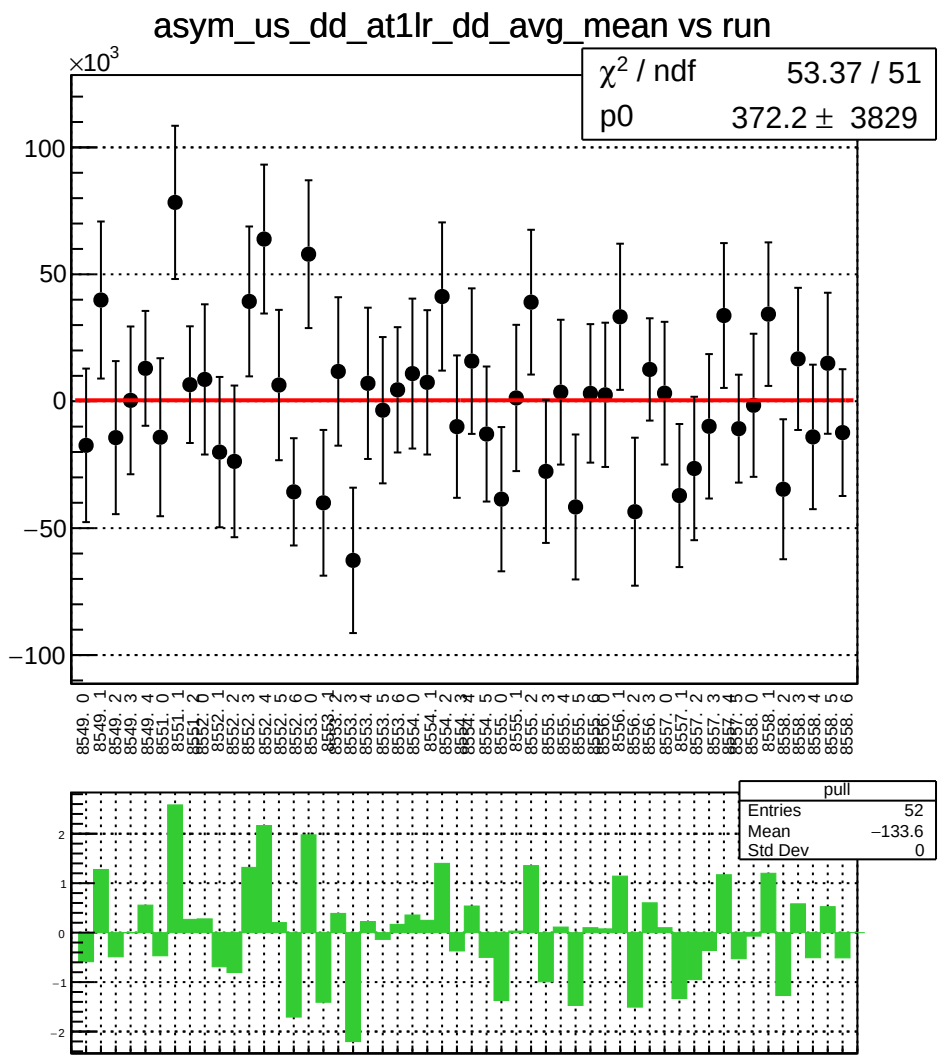

pull1D
Entries 52
Mean 0.008228
Std Dev 1.031
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

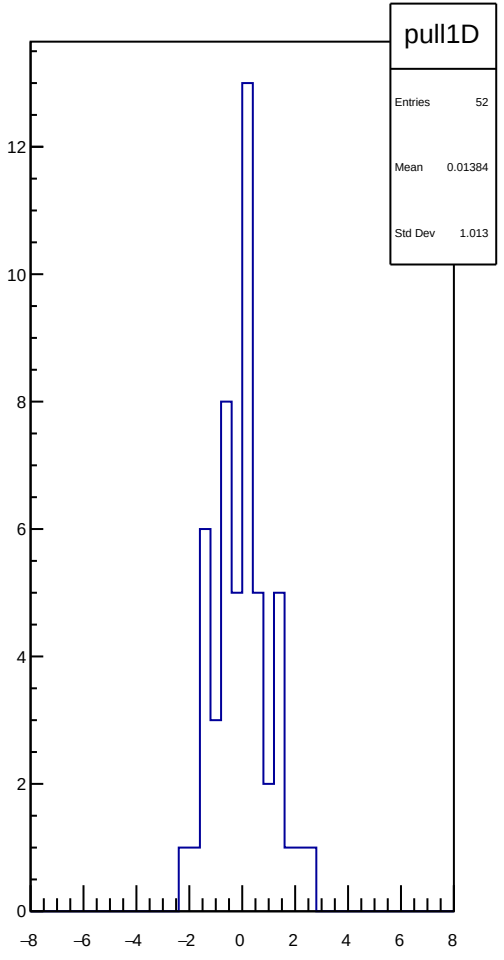

eigen_dit_asym_us_dd_at1lr_dd_avg_rms vs run
χ² / ndf 463.4 / 51
p0 2300 ± 2.27
2500
2450
2400
2350
2300
2250
2200
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

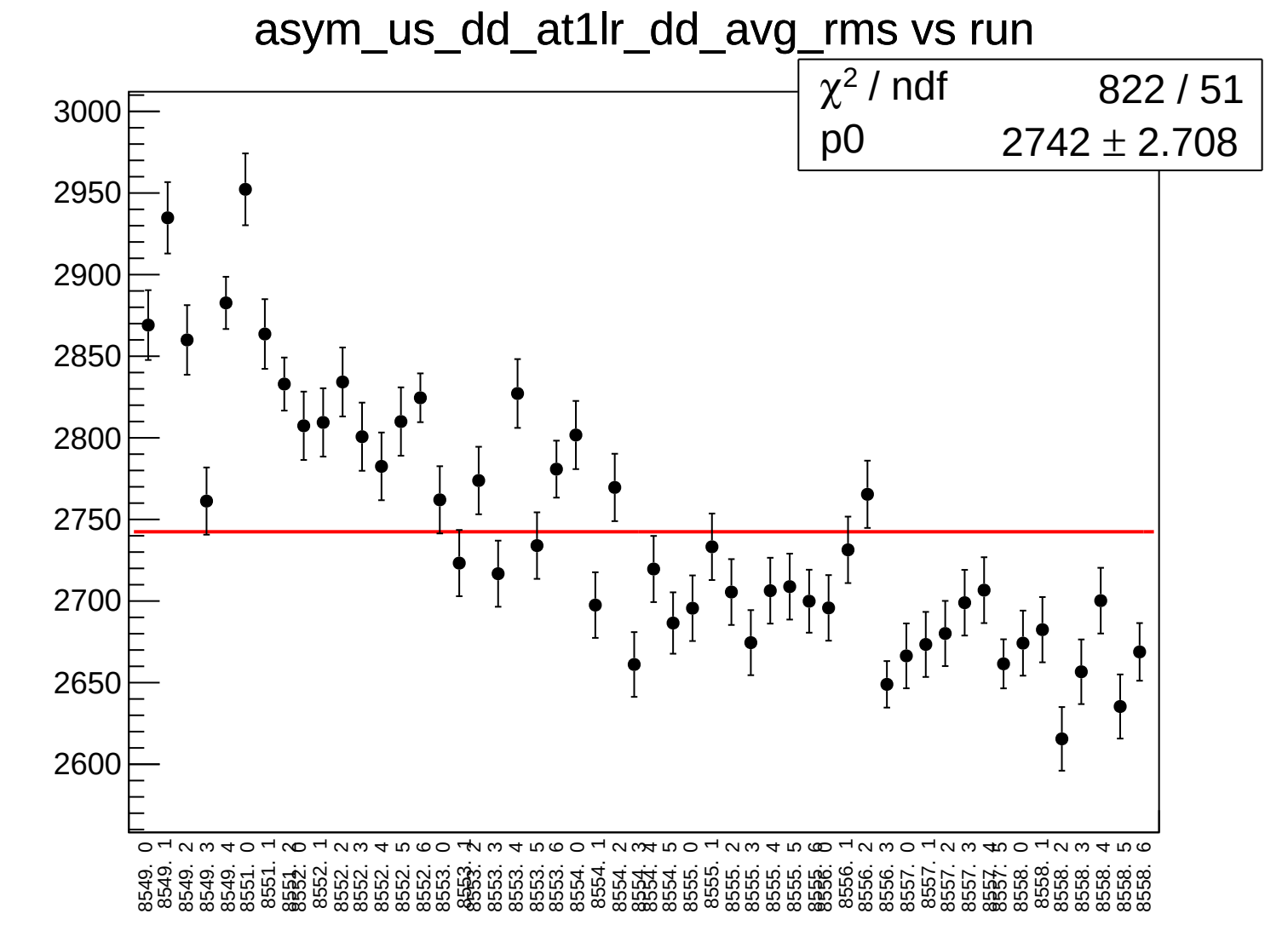

asym_us_dd_at1lr_dd_avg_eigen_dit_correction_mean vs run
χ² / ndf 48.53 / 51
p0 −123.3 ± 2106
pull
Entries 52
Mean −6.097
Std Dev 0

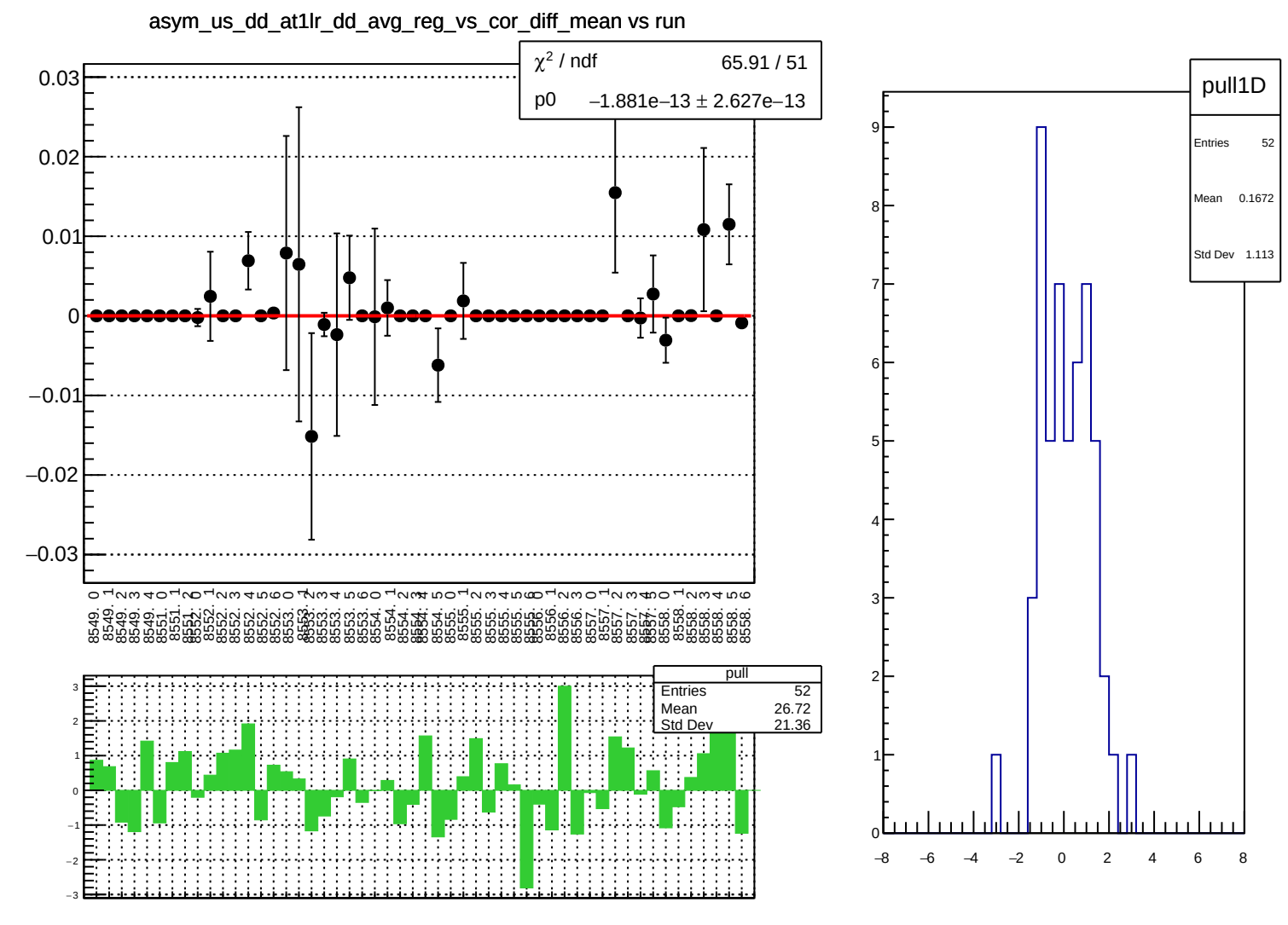

pull1D
Entries 52
Mean −0.009953
Std Dev 0.966

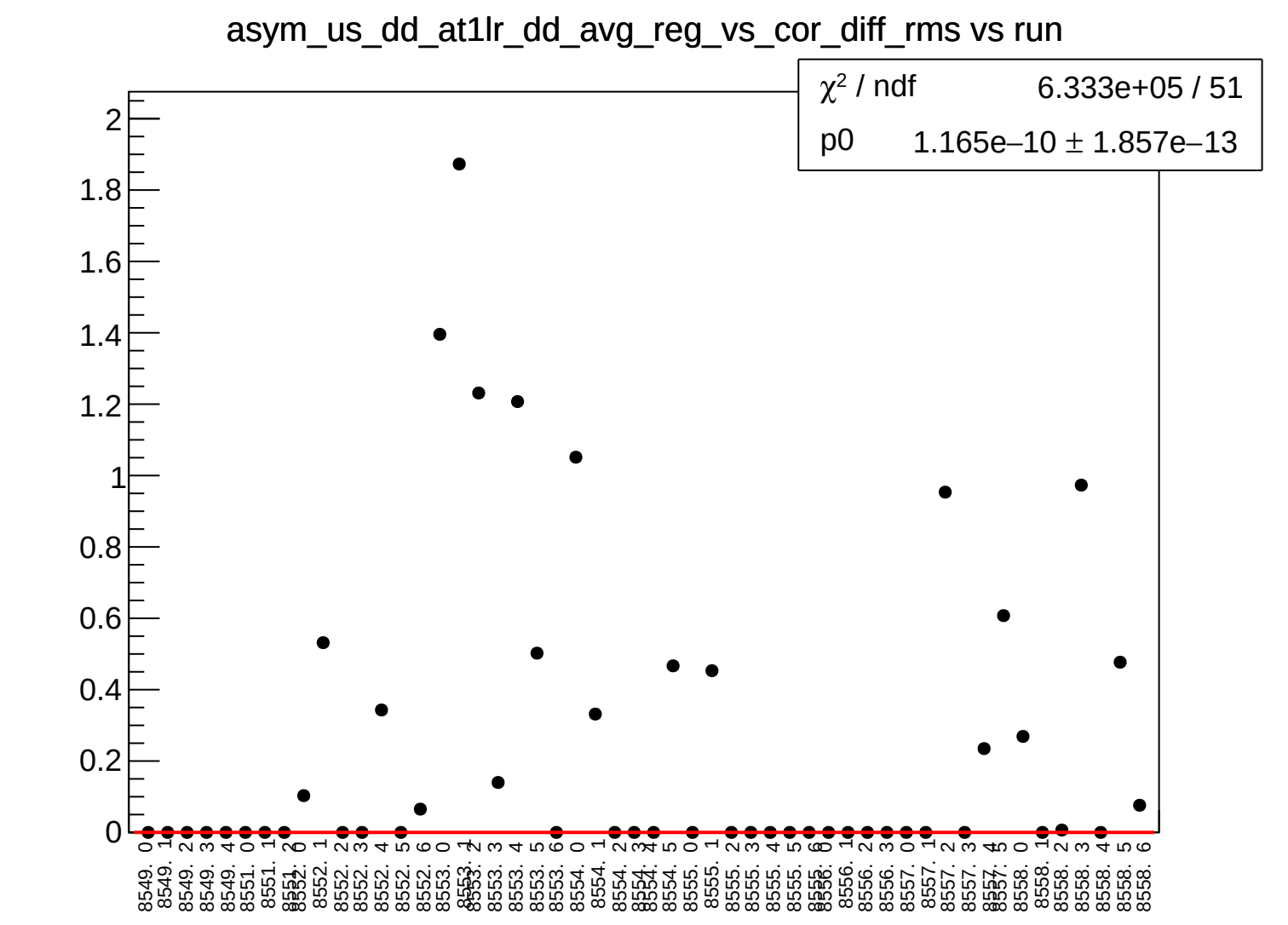

asym_us_dd_at1lr_dd_avg_eigen_dit_correction_rms vs run
χ² / ndf 3930 / 51
p0 1506 ± 1.489
1700
1600
1500
1400
1300
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 5
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6


asym_us_dd_at1lr_dd_avg_mean vs run
×10^3
χ^2 / ndf 53.37 / 51
p0 372.2 ± 3829
100
50
0
−50
−100
pull
Entries 52
Mean −133.6
Std Dev 0
2
1
0
−1
−2


pull1D
Entries 52
Mean 0.01384
Std Dev 1.013
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


asym_us_dd_at1lr_dd_avg_rms vs run
χ² / ndf 822 / 51
p0 2742 ± 2.708
3000
2950
2900
2850
2800
2750
2700
2650
2600
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 5
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6


asym_us_dd_at1lr_dd_avg_reg_vs_cor_diff_mean vs run
χ² / ndf 65.91 / 51
p0 −1.881e−13 ± 2.627e−13
pull
Entries 52
Mean 26.72
Std Dev 21.36
pull1D
Entries 52
Mean 0.1672
Std Dev 1.113


asym_us_dd_at1lr_dd_avg_reg_vs_cor_diff_rms vs run
χ² / ndf 6.333e+05 / 51
p0 1.165e−10 ± 1.857e−13
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8549. 5
8551. 0
8551. 1
8551. 2
8552. 0
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 1
8553. 2
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 3
8554. 4
8554. 5
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8555. 6
8556. 0
8556. 1
8556. 2
8556. 3
8556. 4
8557. 0
8557. 1
8557. 2
8557. 3
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8557. 5
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8558. 2
8558. 3
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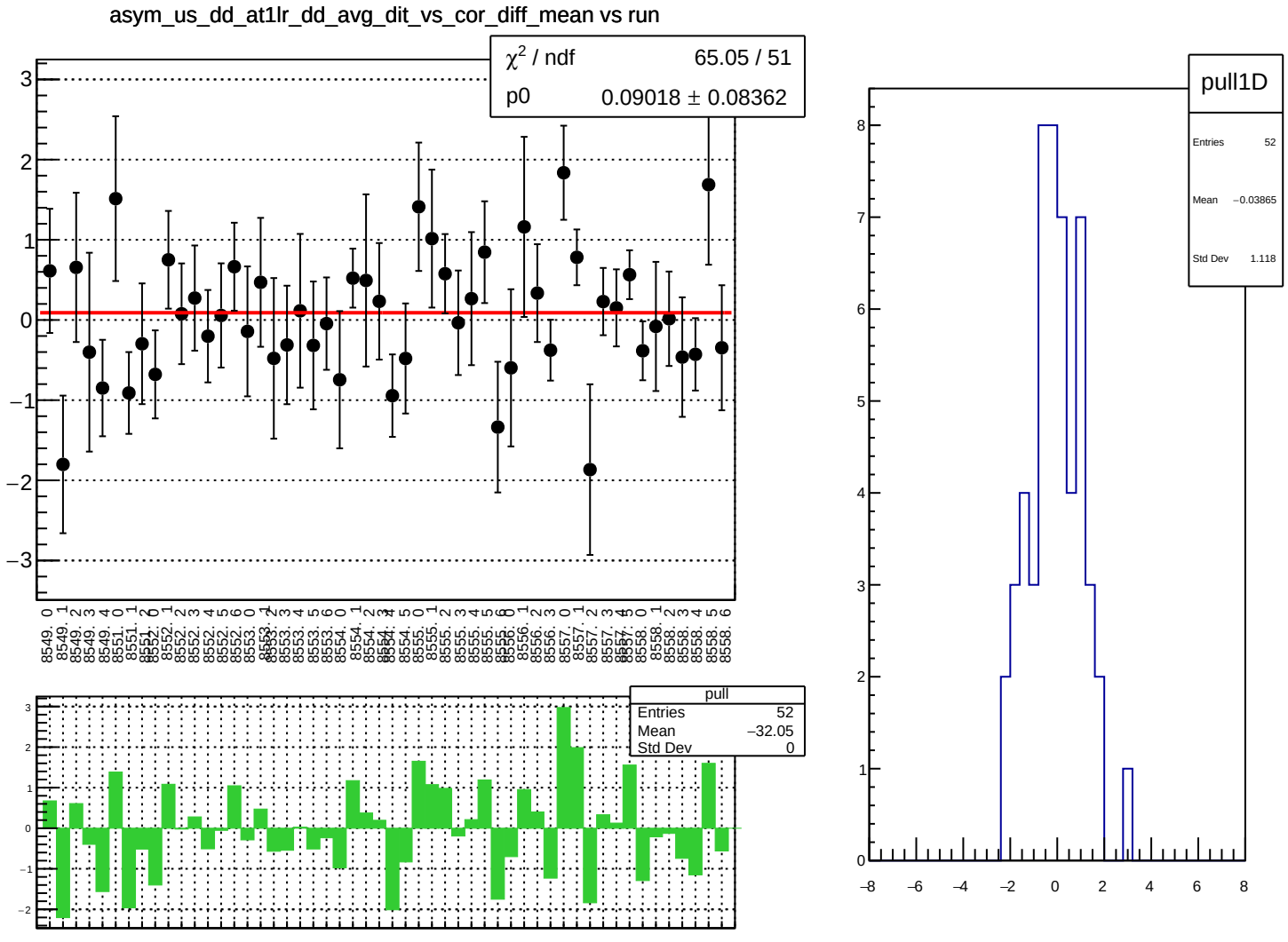
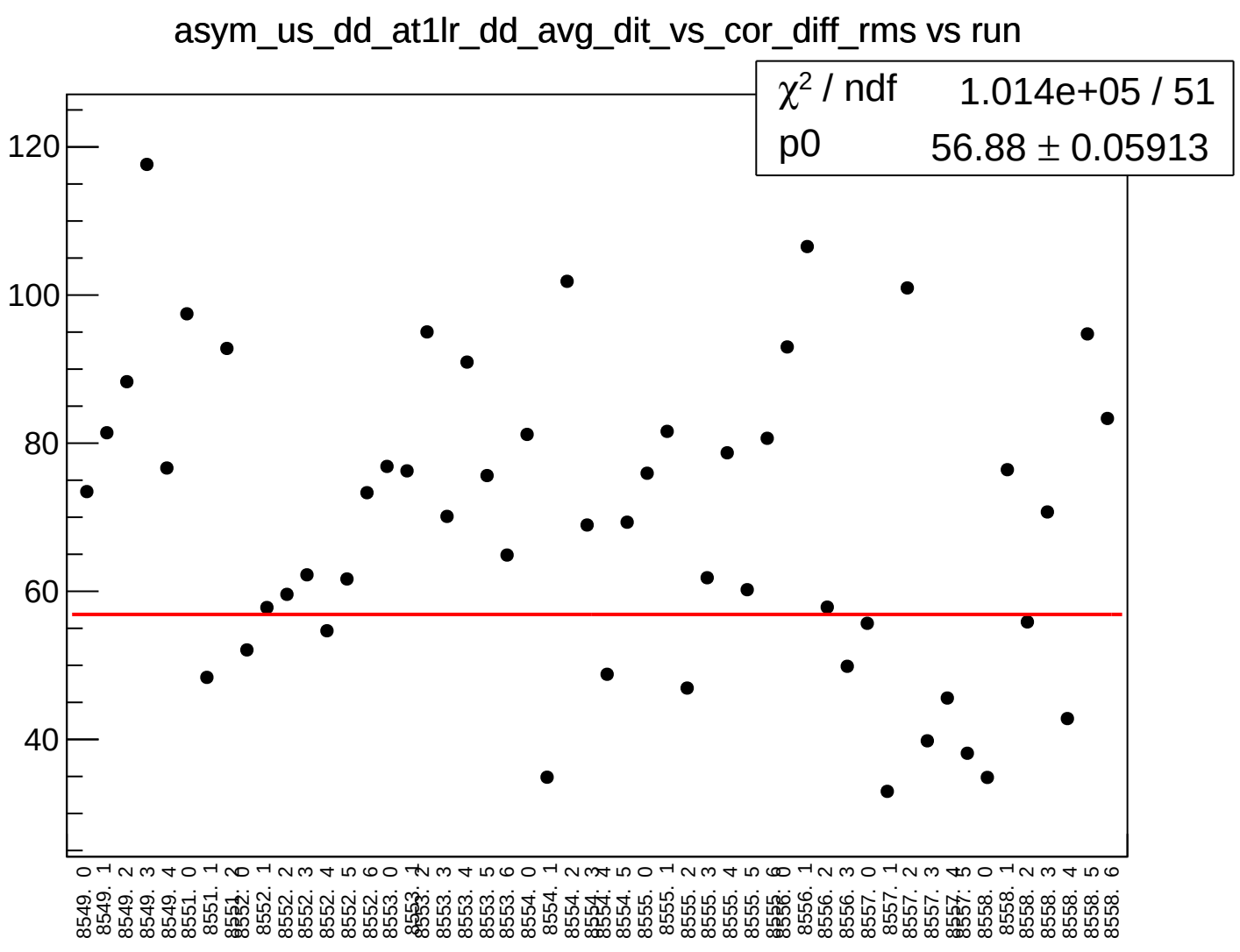
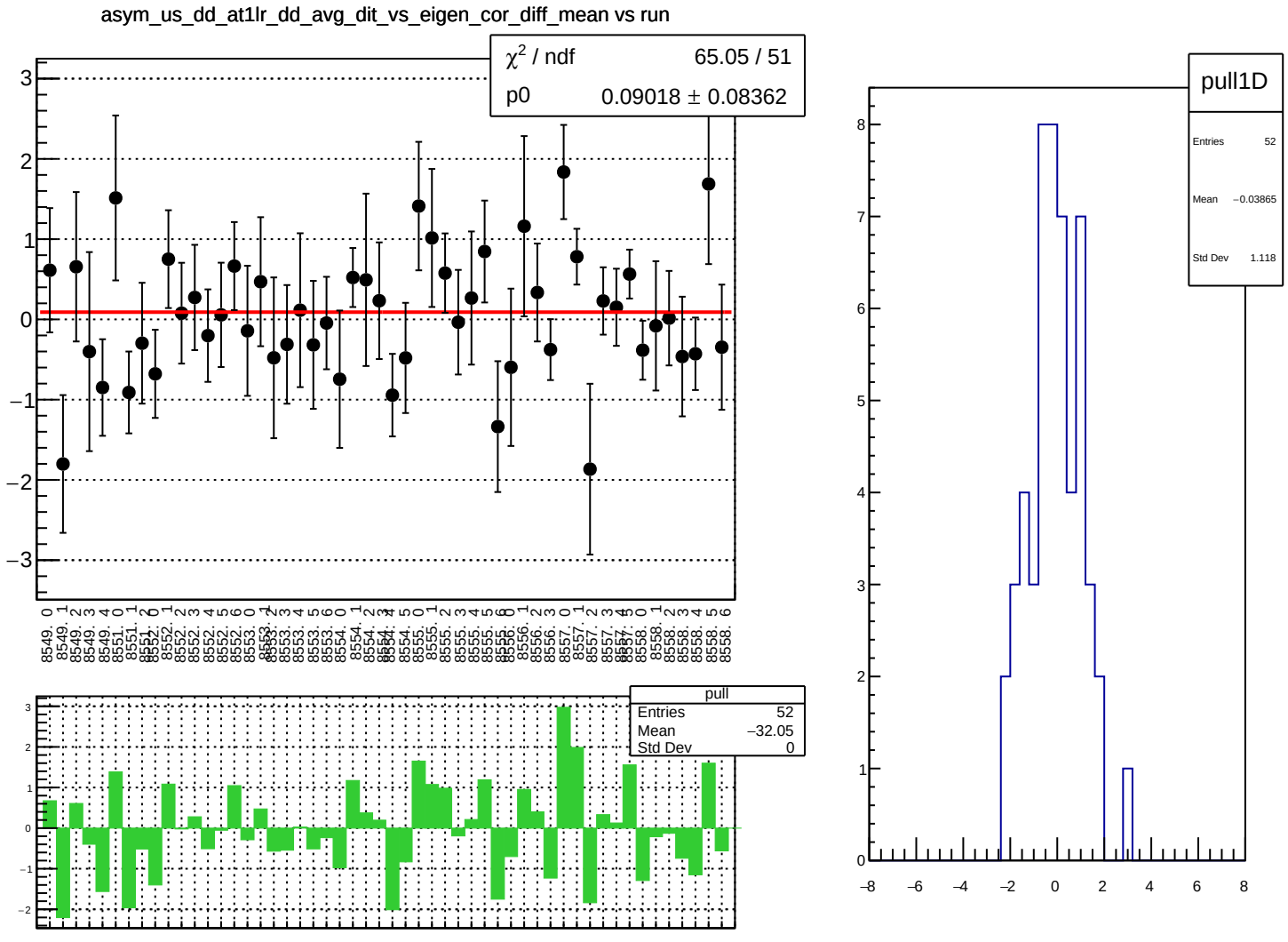
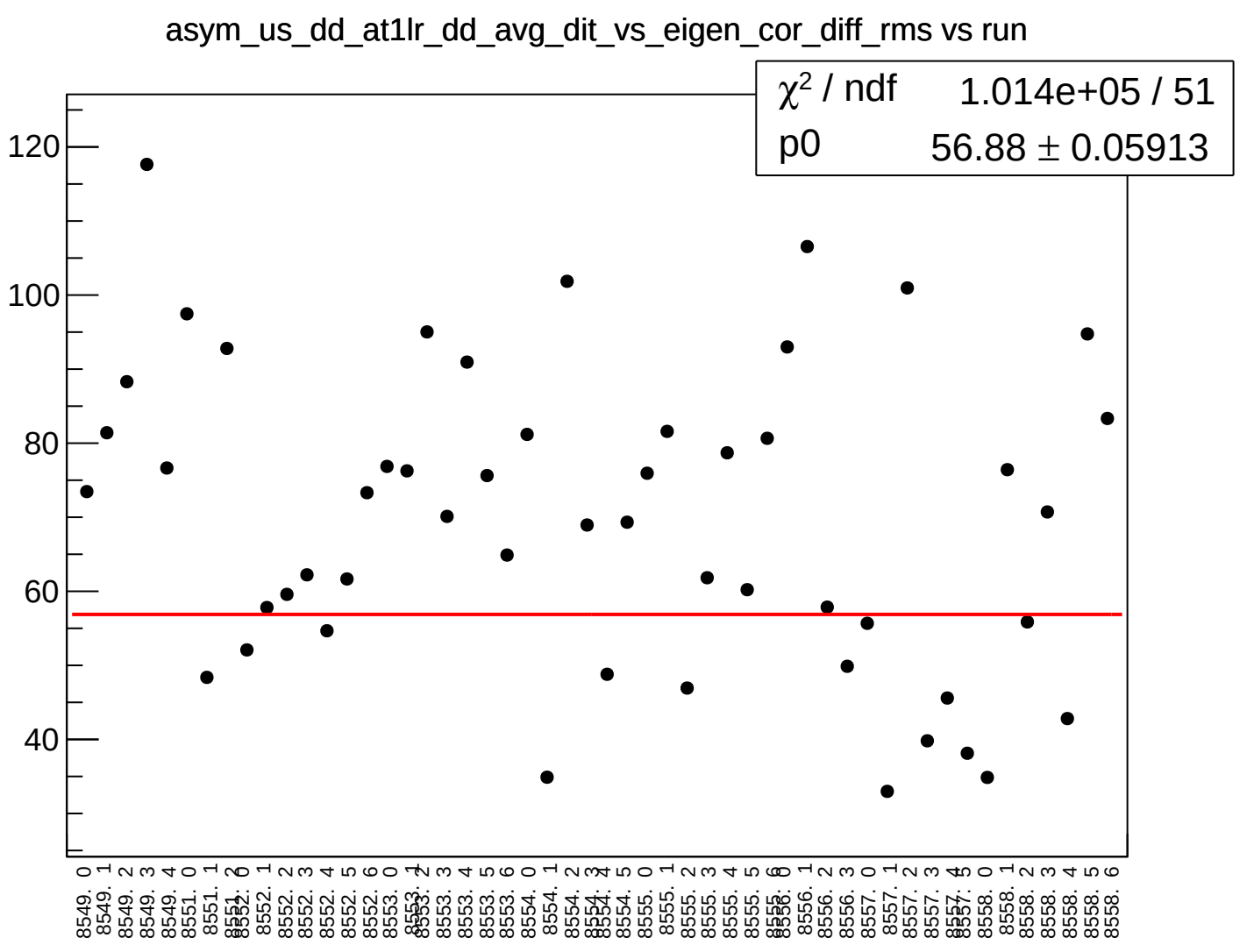
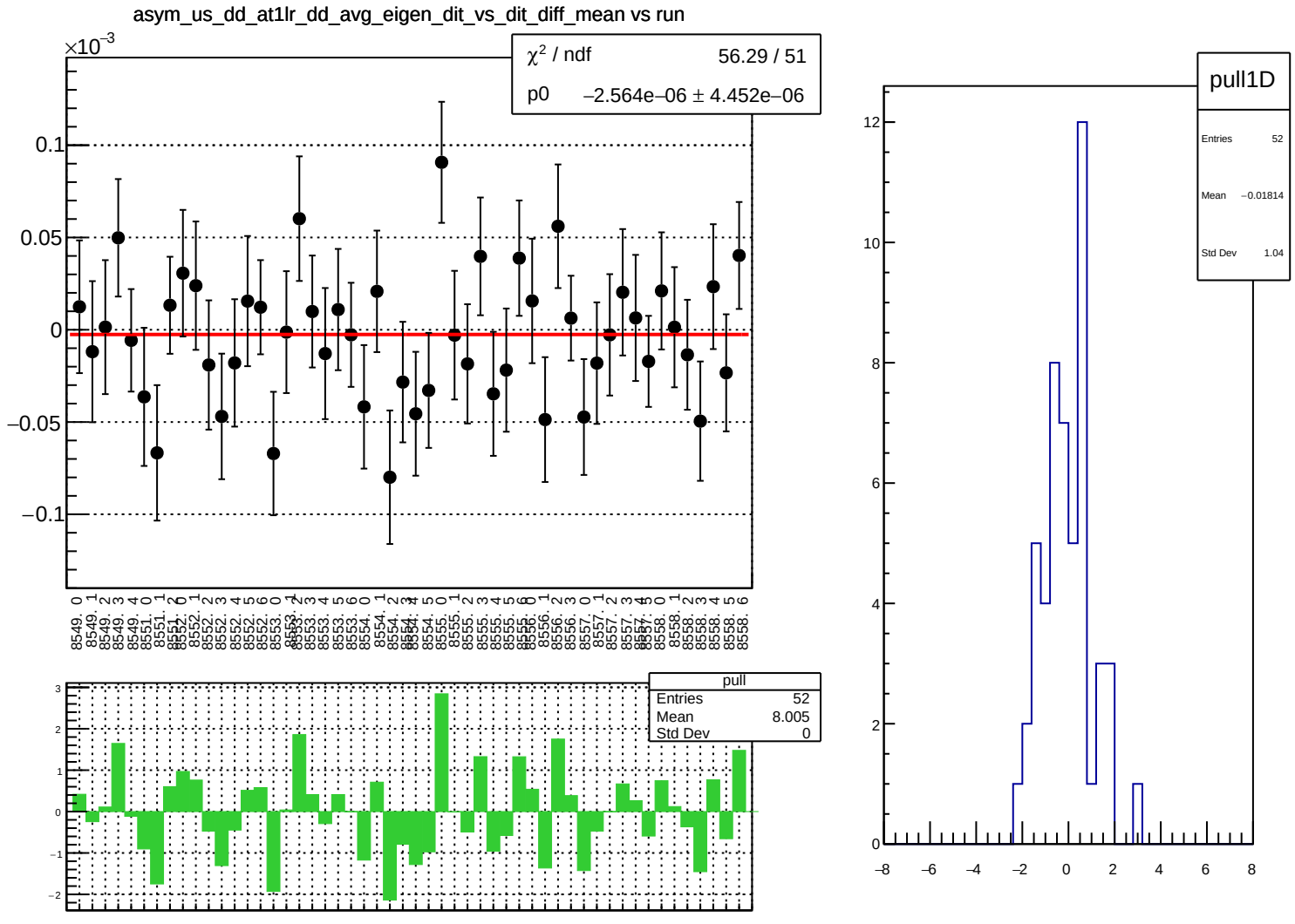
8558. 5
8558. 6

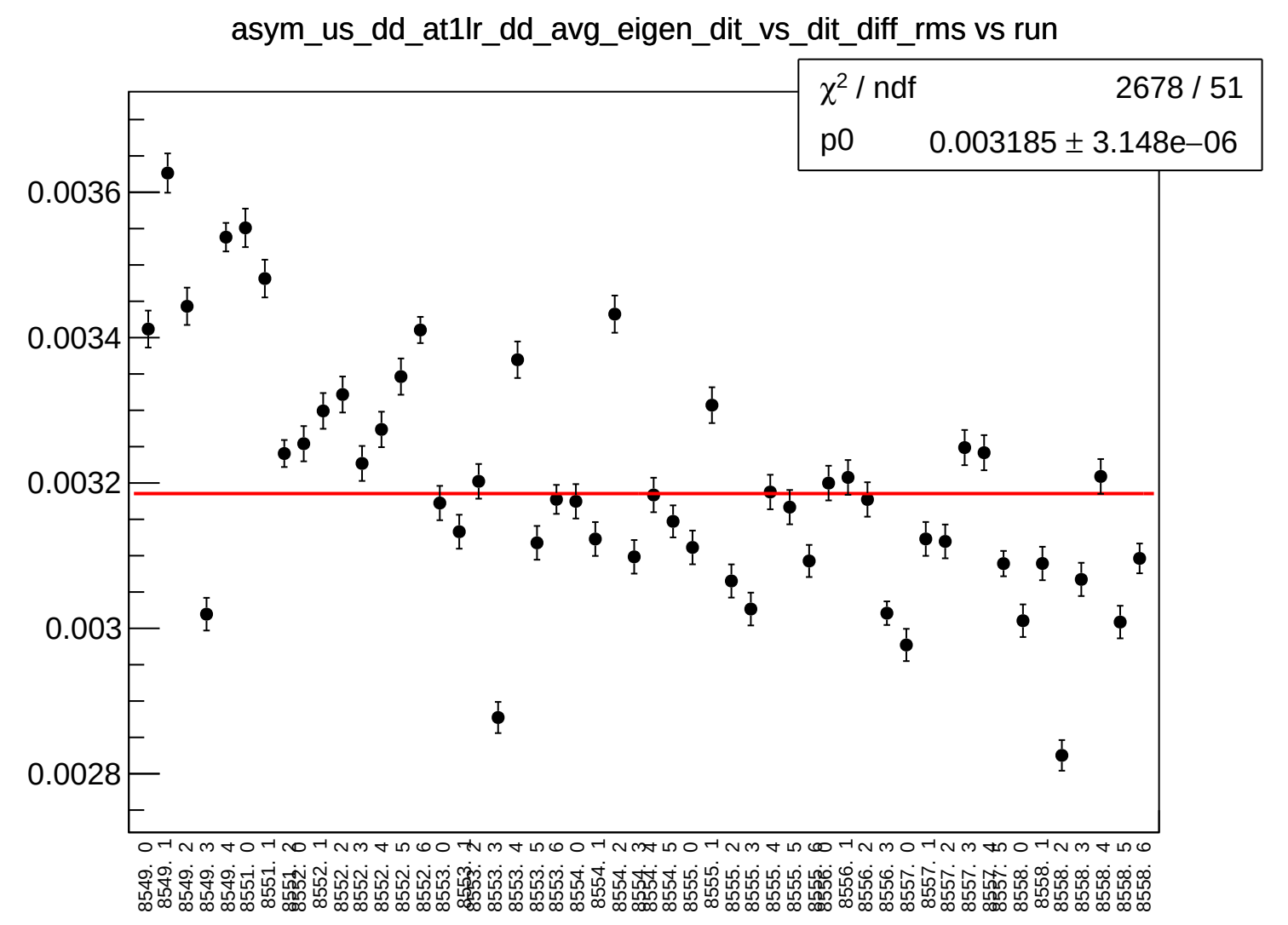

asym_us_dd_at1lr_dd_avg_dit_vs_cor_diff_mean vs run
χ² / ndf 65.05 / 51
p0 0.09018 ± 0.08362
pull
Entries 52
Mean −32.05
Std Dev 0
pull1D
Entries 52
Mean −0.03865
Std Dev 1.118

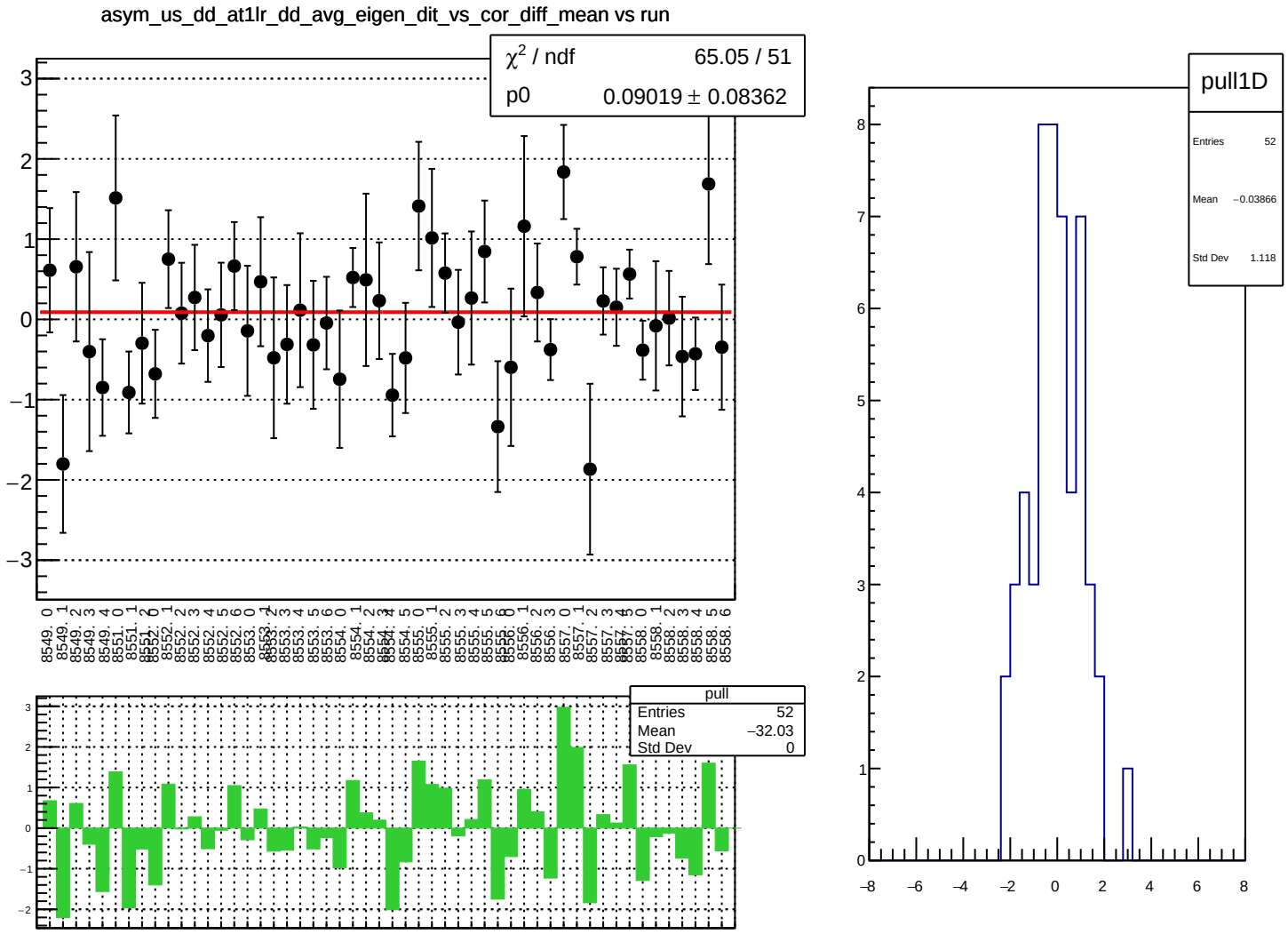

asym_us_dd_at1lr_dd_avg_dit_vs_cor_diff_rms vs run
χ² / ndf 1.014e+05 / 51
p0 56.88 ± 0.05913
120
100
80
60
40
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

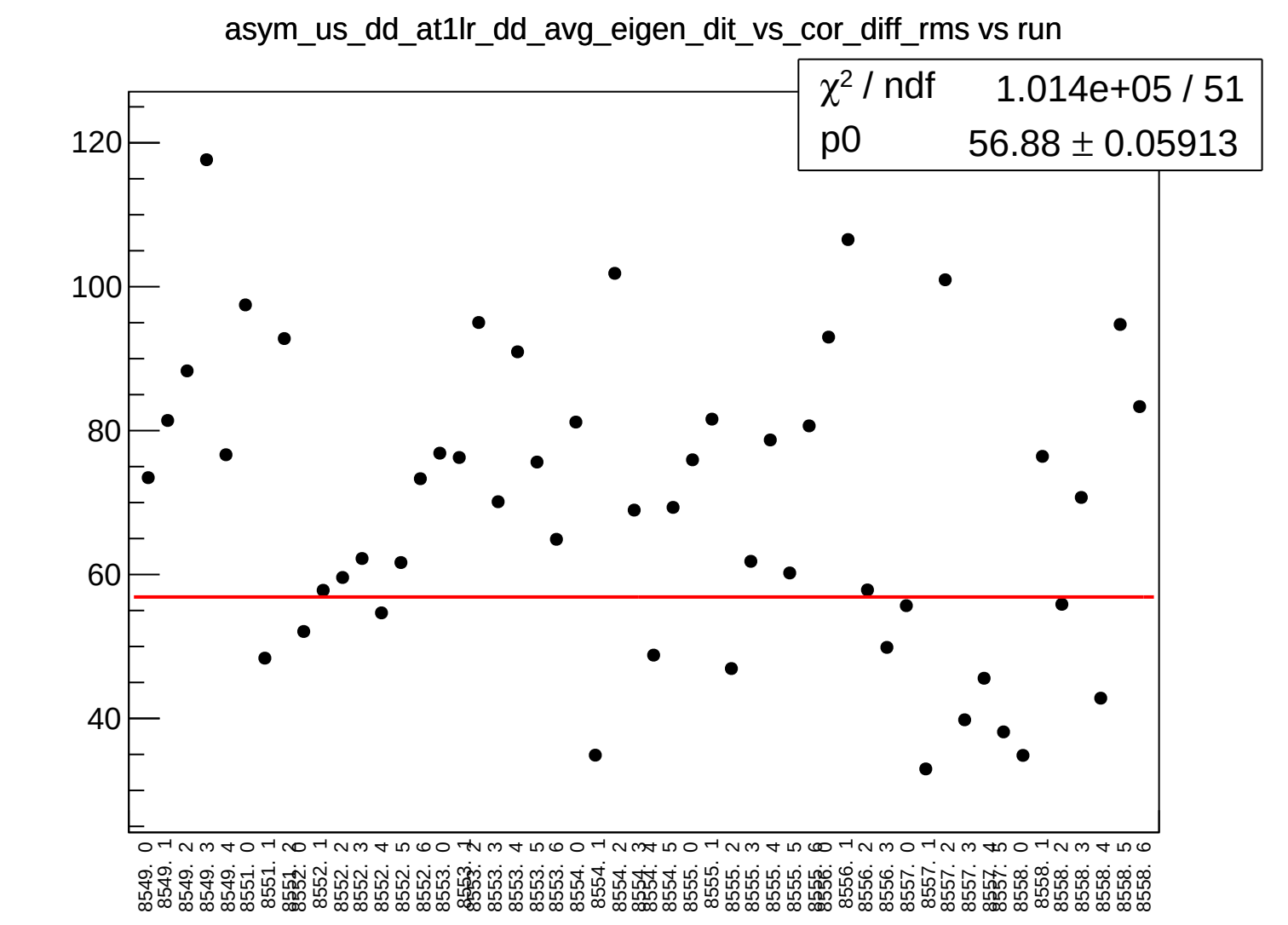

asym_us_dd_at1lr_dd_avg_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 65.05 / 51
p0 0.09018 ± 0.08362
pull
Entries 52
Mean −32.05
Std Dev 0
pull1D
Entries 52
Mean −0.03865
Std Dev 1.118

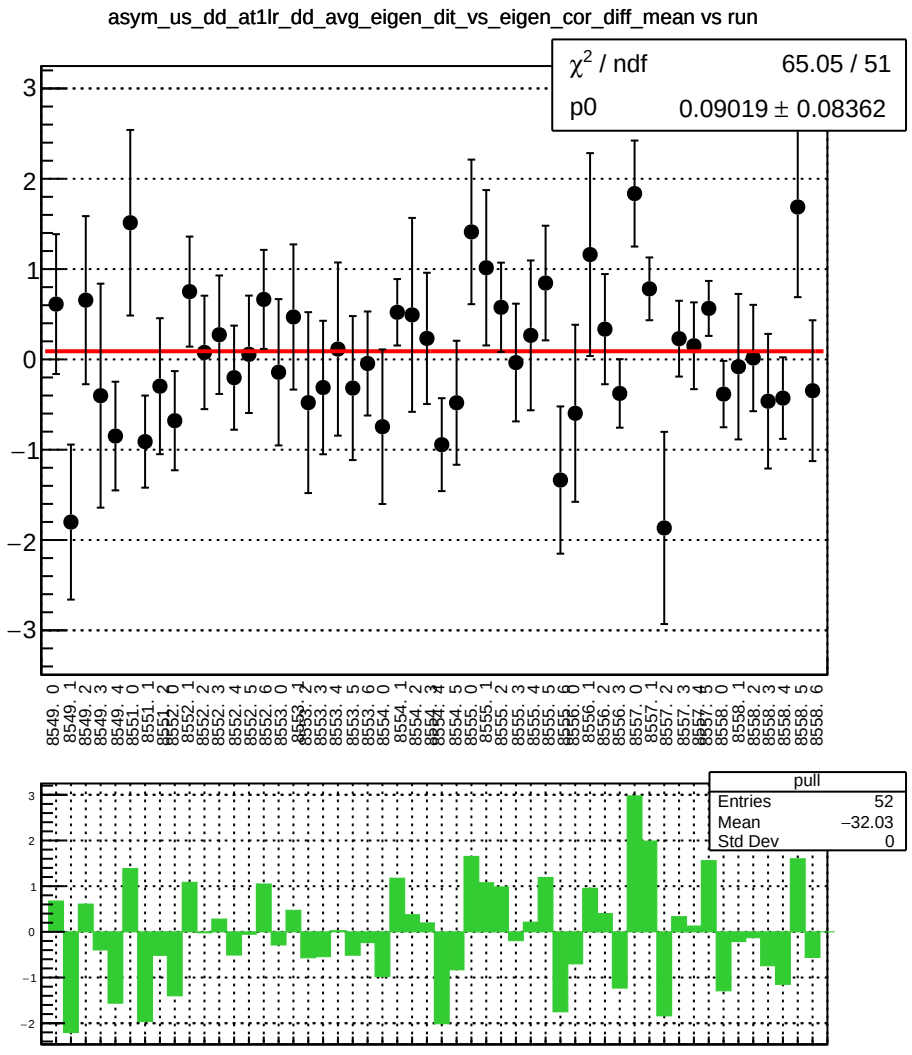

asym_us_dd_at1lr_dd_avg_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.014e+05 / 51
p0 56.88 ± 0.05913
120
100
80
60
40
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 2
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

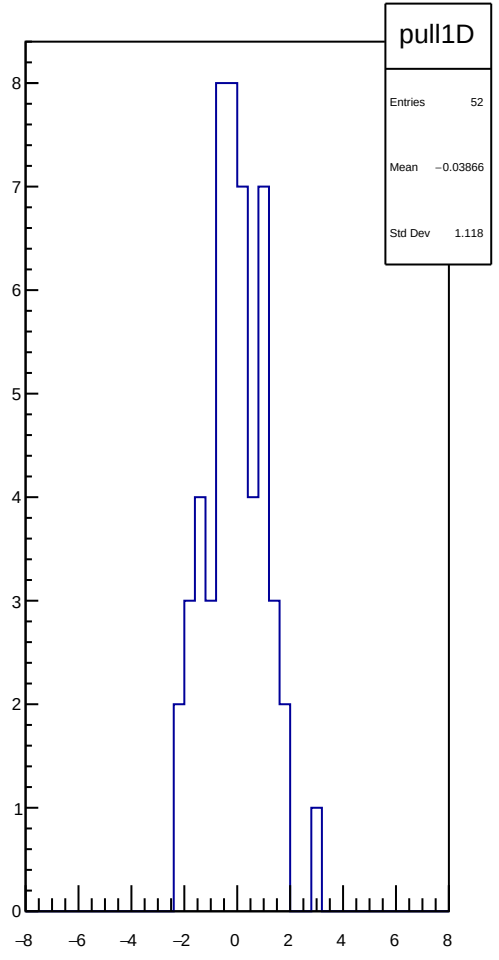

asym_us_dd_at1lr_dd_avg_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 56.29 / 51
p0 −2.564e−06 ± 4.452e−06
0.1
0.05
0
−0.05
−0.1
pull
Entries 52
Mean 8.005
Std Dev 0
pull1D
Entries 52
Mean −0.01814
Std Dev 1.04

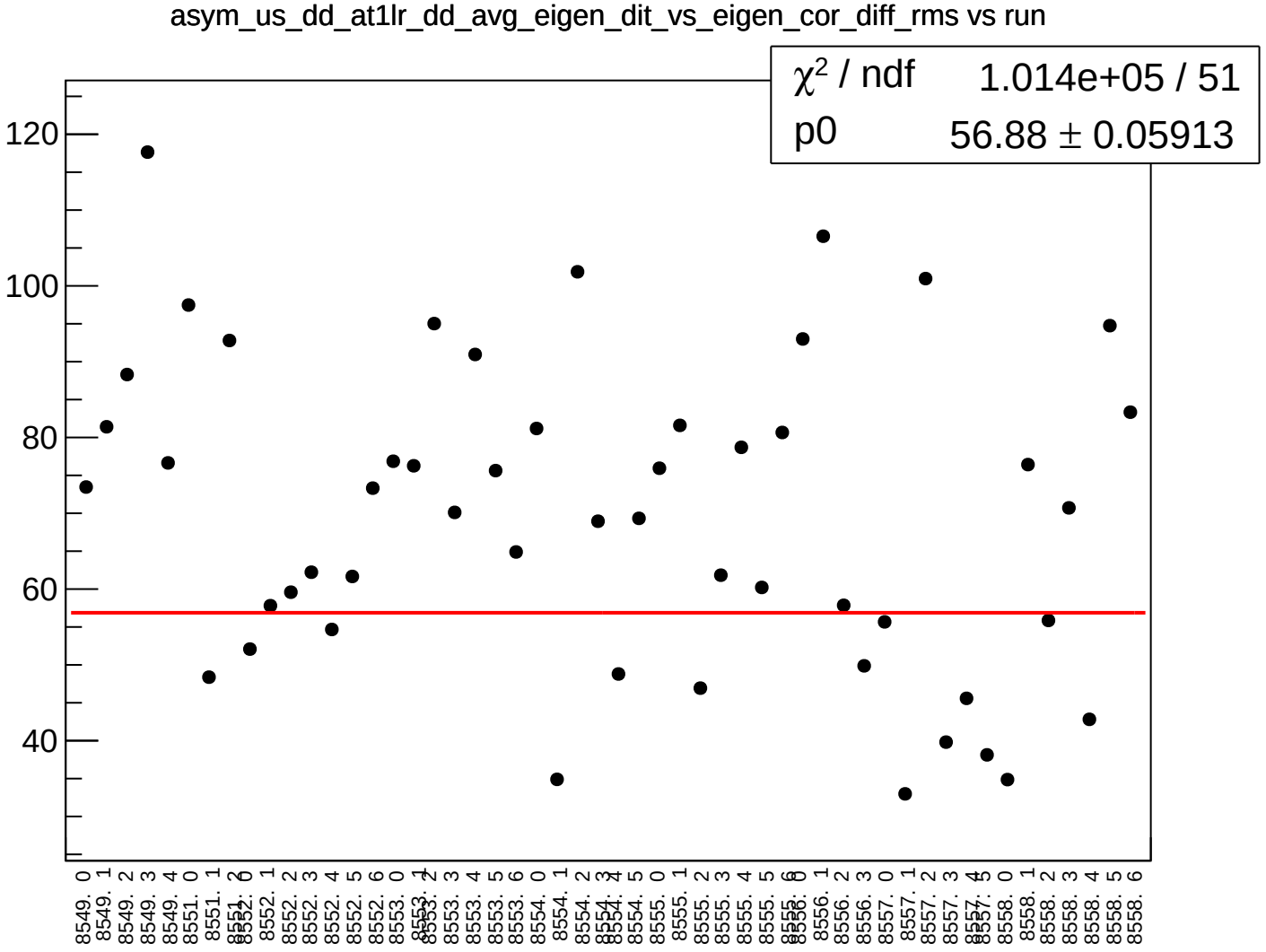

asym_us_dd_at1lr_dd_avg_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 2678 / 51
p0 0.003185 ± 3.148e−06
0.0036
0.0034
0.0032
0.003
0.0028


asym_us_dd_at1lr_dd_avg_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 65.05 / 51
p0 0.09019 ± 0.08362
pull
Entries 52
Mean −32.03
Std Dev 0
pull1D
Entries 52
Mean −0.03866
Std Dev 1.118


asym_us_dd_at1lr_dd_avg_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 1.014e+05 / 51
p0 56.88 ± 0.05913
120
100
80
60
40
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 2
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6


asym_us_dd_at1lr_dd_avg_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 65.05 / 51
p0 0.09019 ± 0.08362
pull
Entries 52
Mean −32.03
Std Dev 0


pull1D
Entries 52
Mean −0.03866
Std Dev 1.118


asym_us_dd_at1lr_dd_avg_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.014e+05 / 51
p0 56.88 ± 0.05913
120
100
80
60
40
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
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8557. 3
8558. 0
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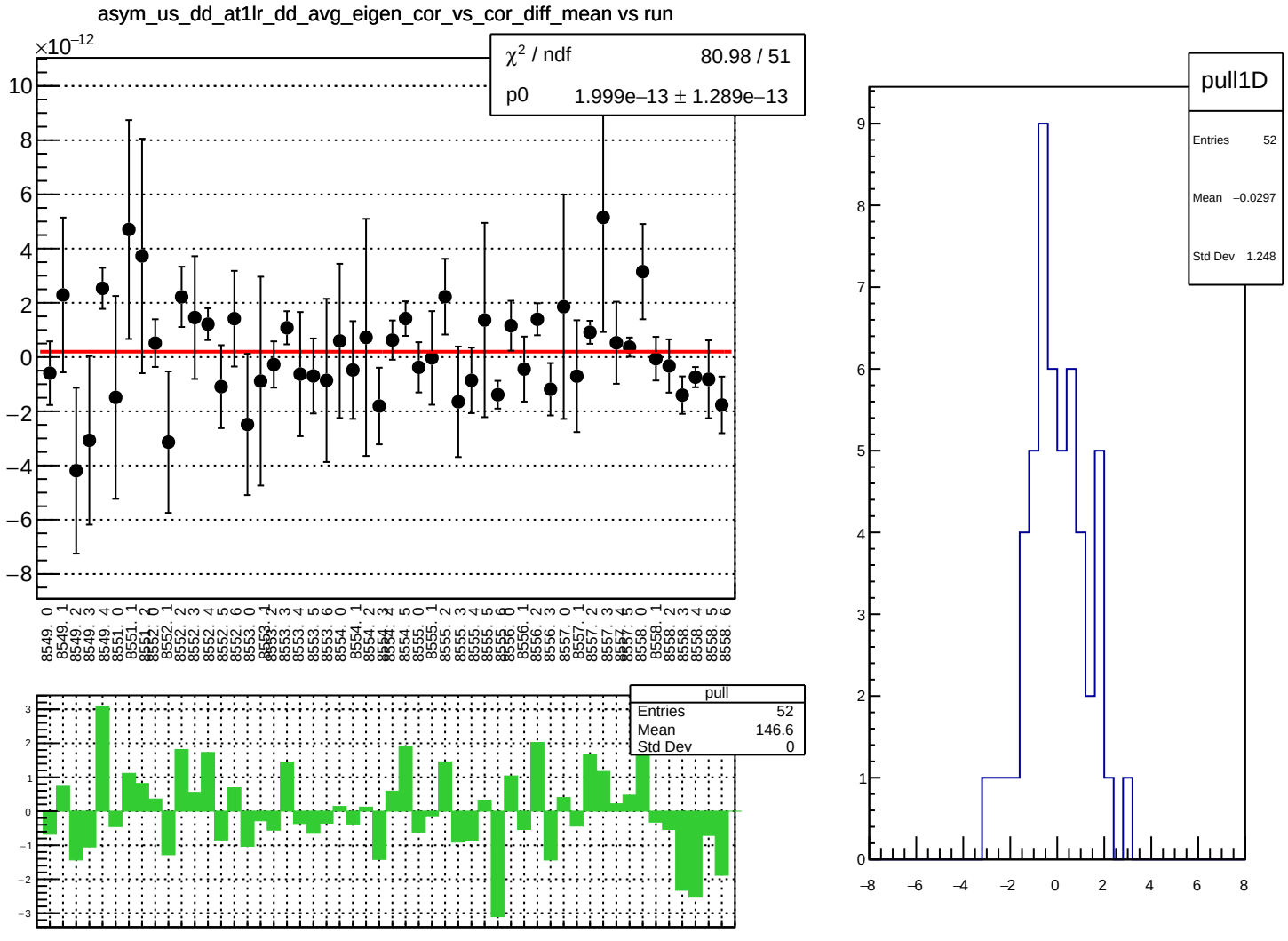
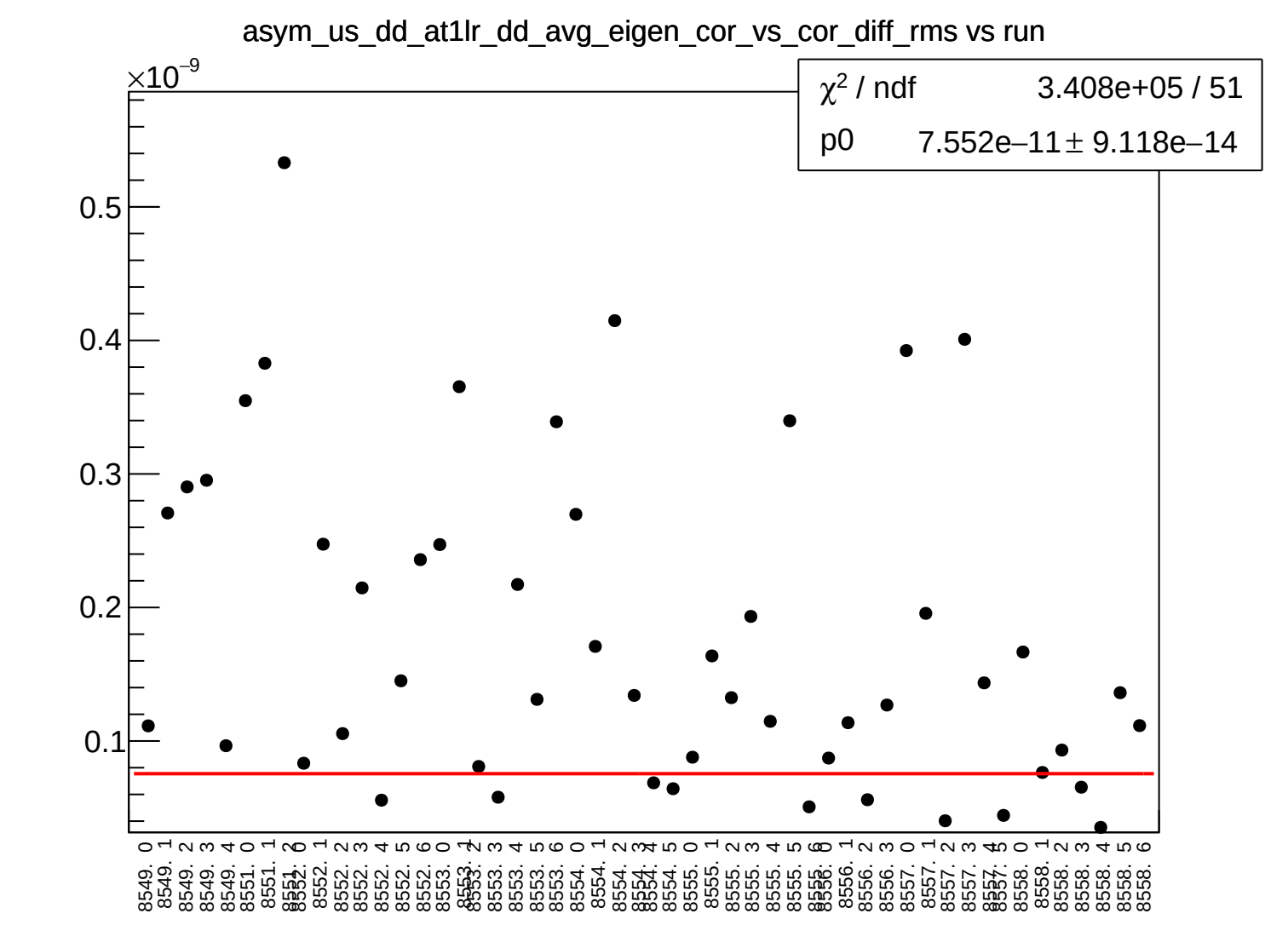
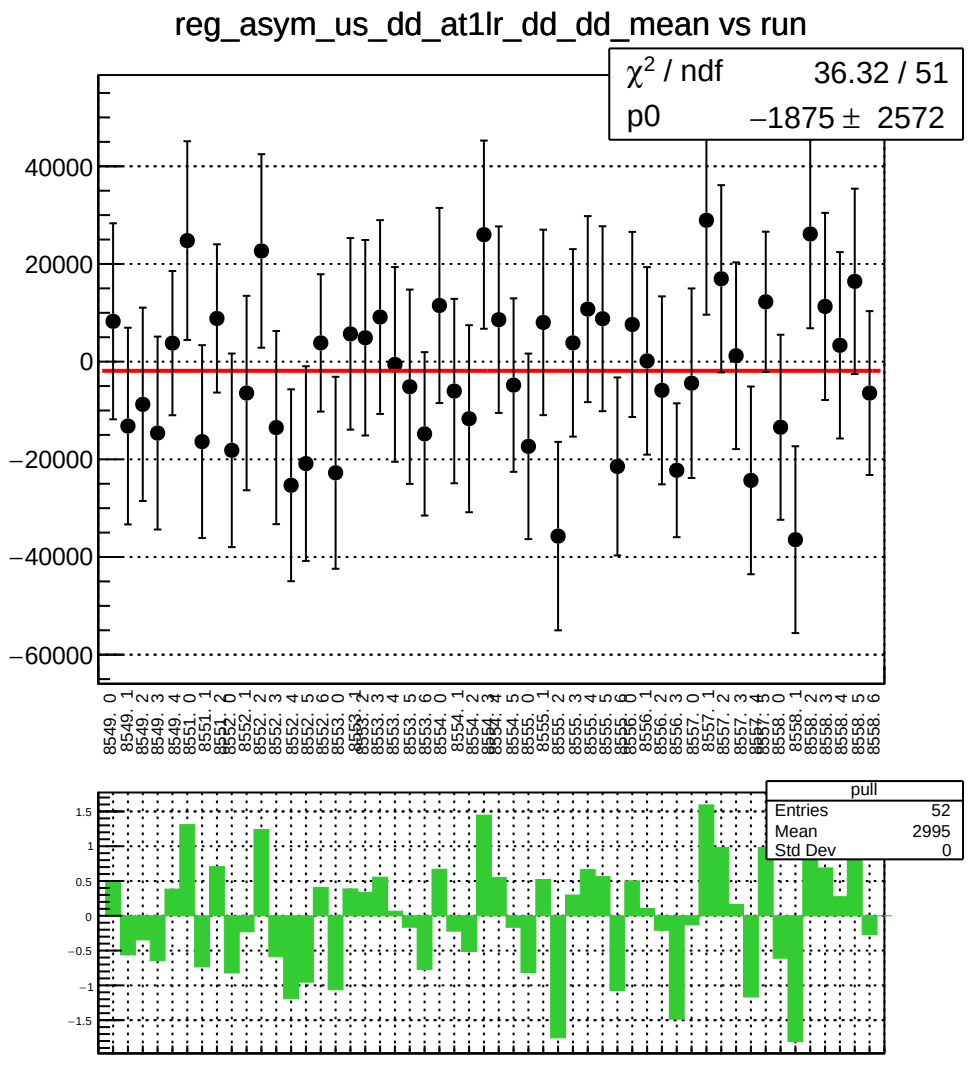
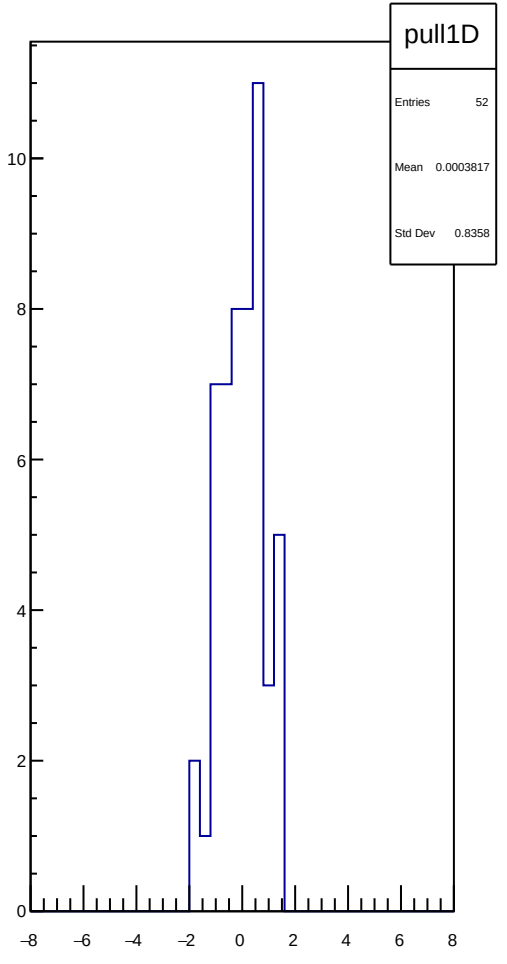
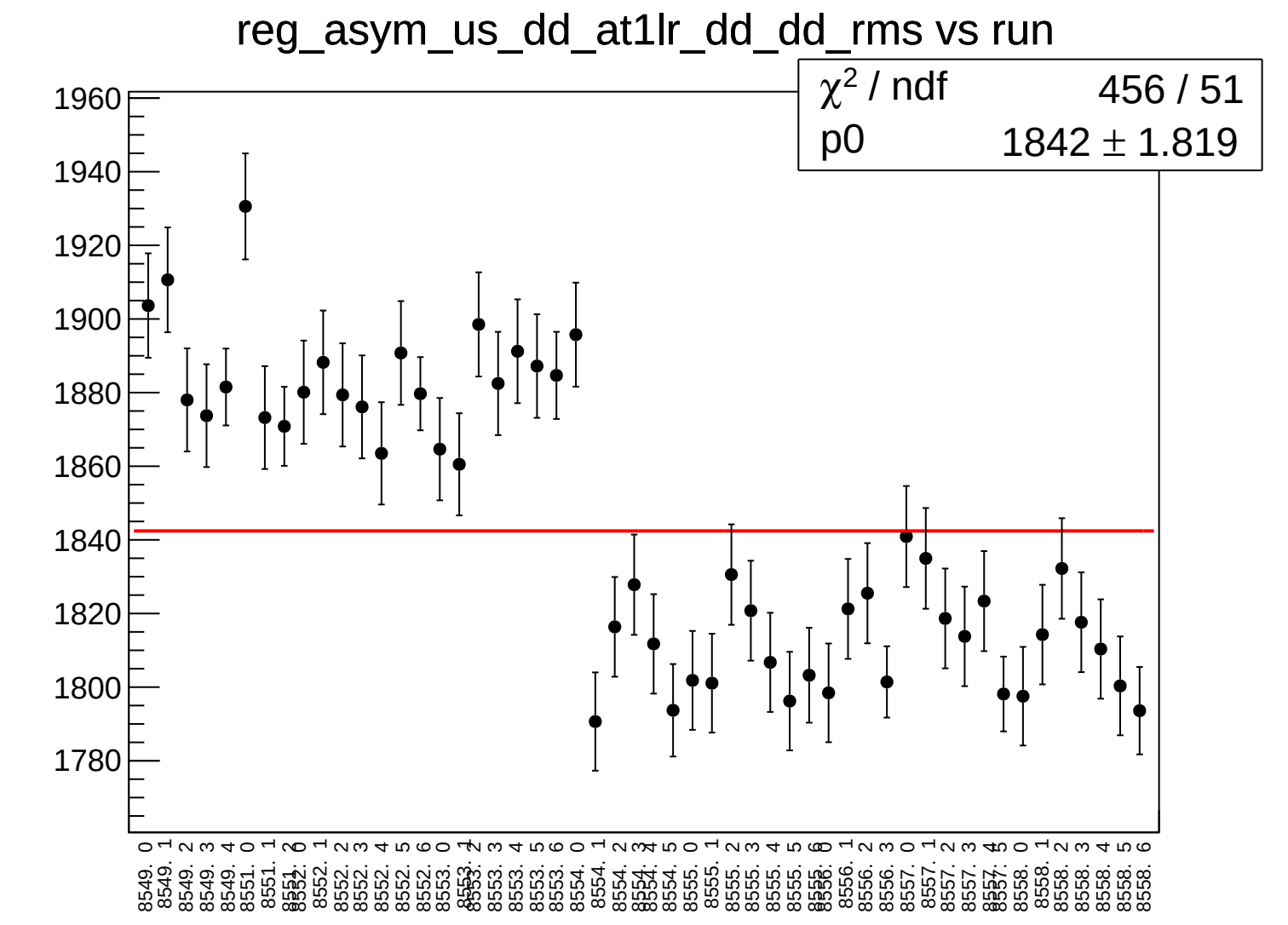
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

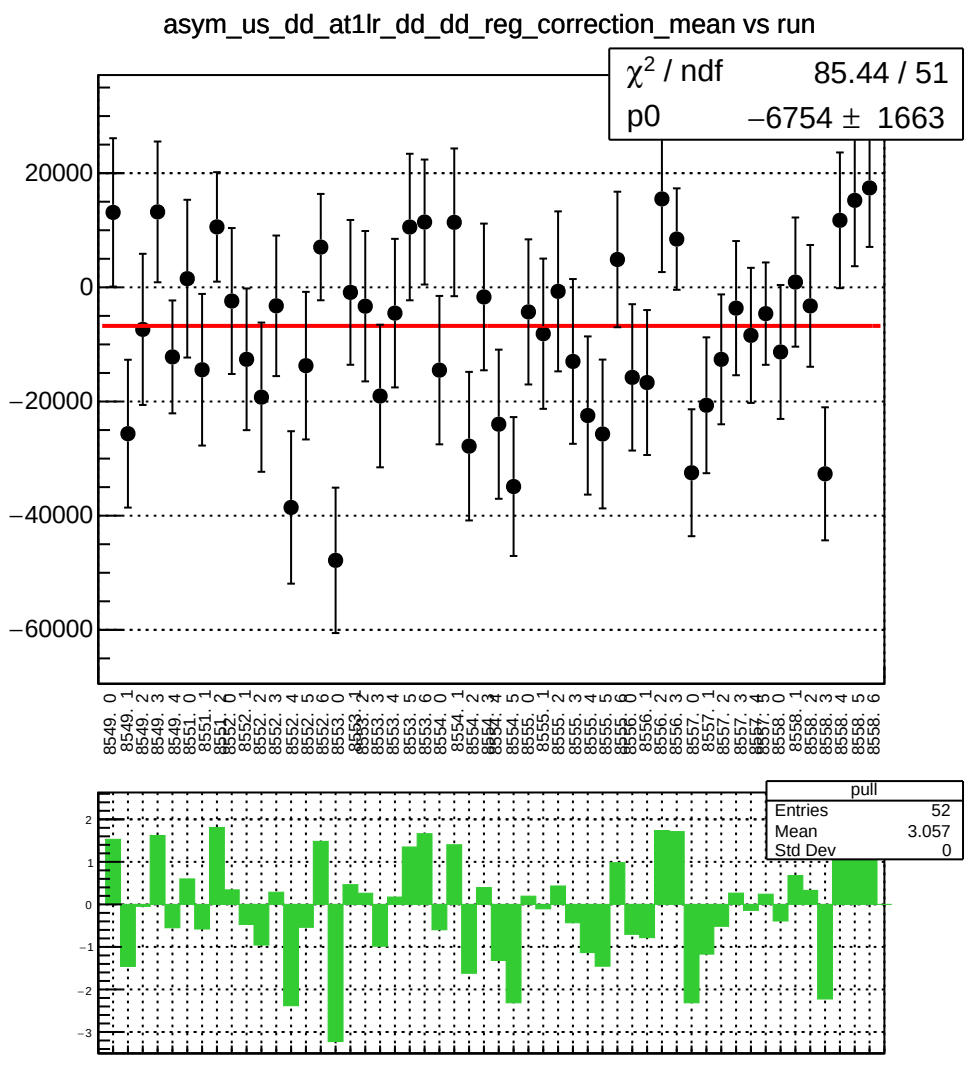

asym_us_dd_at1lr_dd_avg_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 80.98 / 51
p0 1.999e−13 ± 1.289e−13
pull
Entries 52
Mean 146.6
Std Dev 0
pull1D
Entries 52
Mean −0.0297
Std Dev 1.248

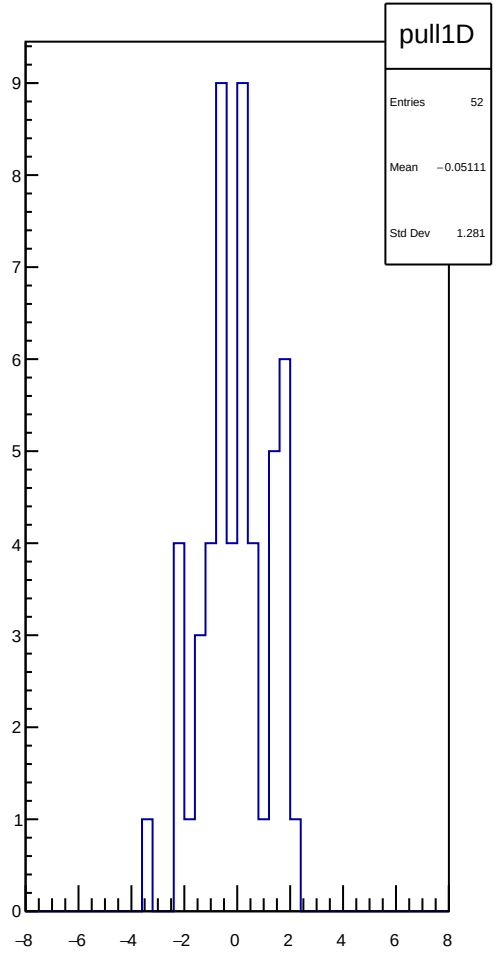

asym_us_dd_at1lr_dd_avg_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 3.408e+05 / 51
p0 7.552e−11 ± 9.118e−14
0.5
0.4
0.3
0.2
0.1
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 0
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 2
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 5
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

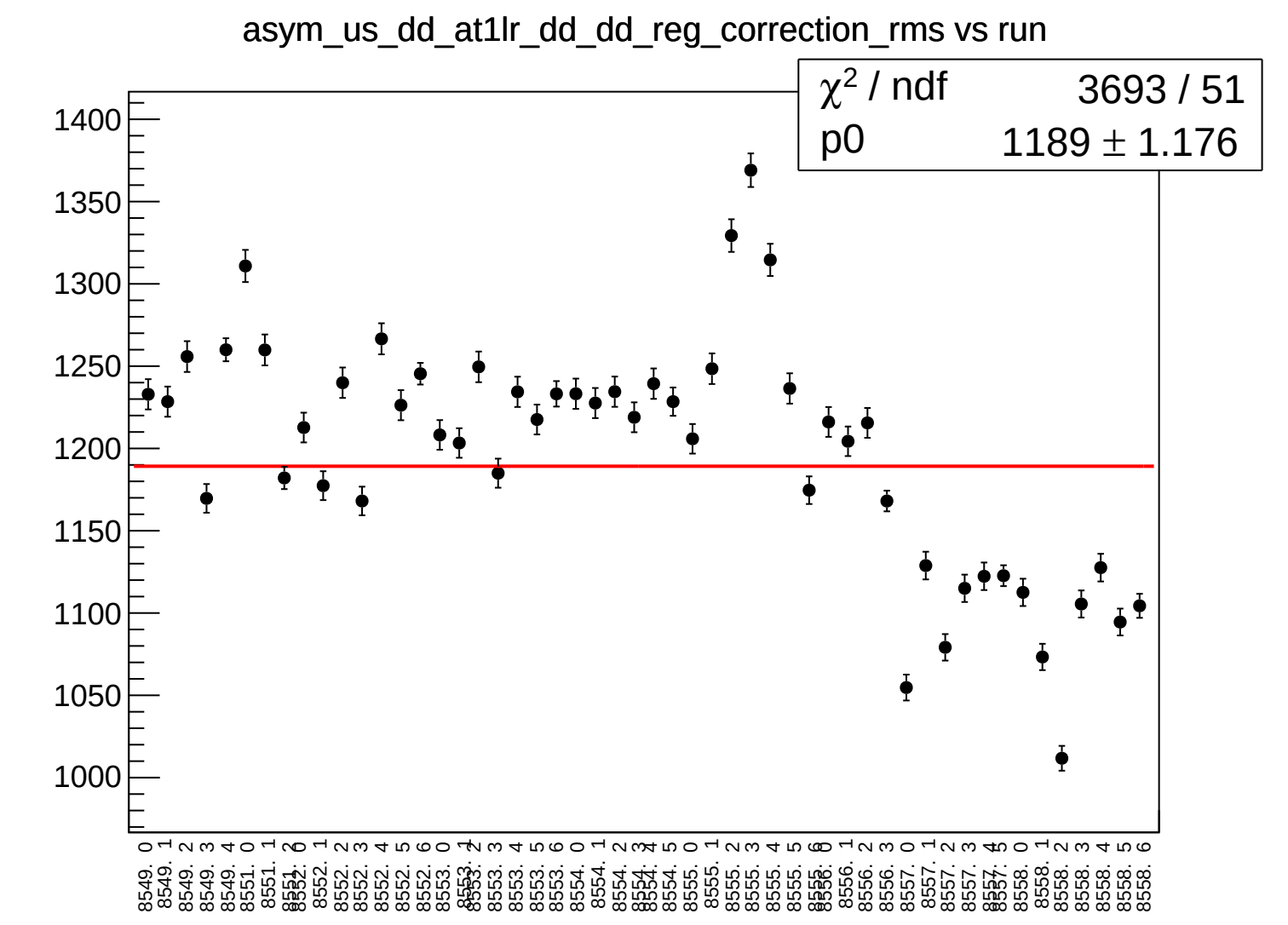

reg_asym_us_dd_at1lr_dd_dd_mean vs run
χ² / ndf 36.32 / 51
p0 −1875 ± 2572
40000
20000
0
−20000
−40000
−60000
pull
Entries 52
Mean 2995
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5

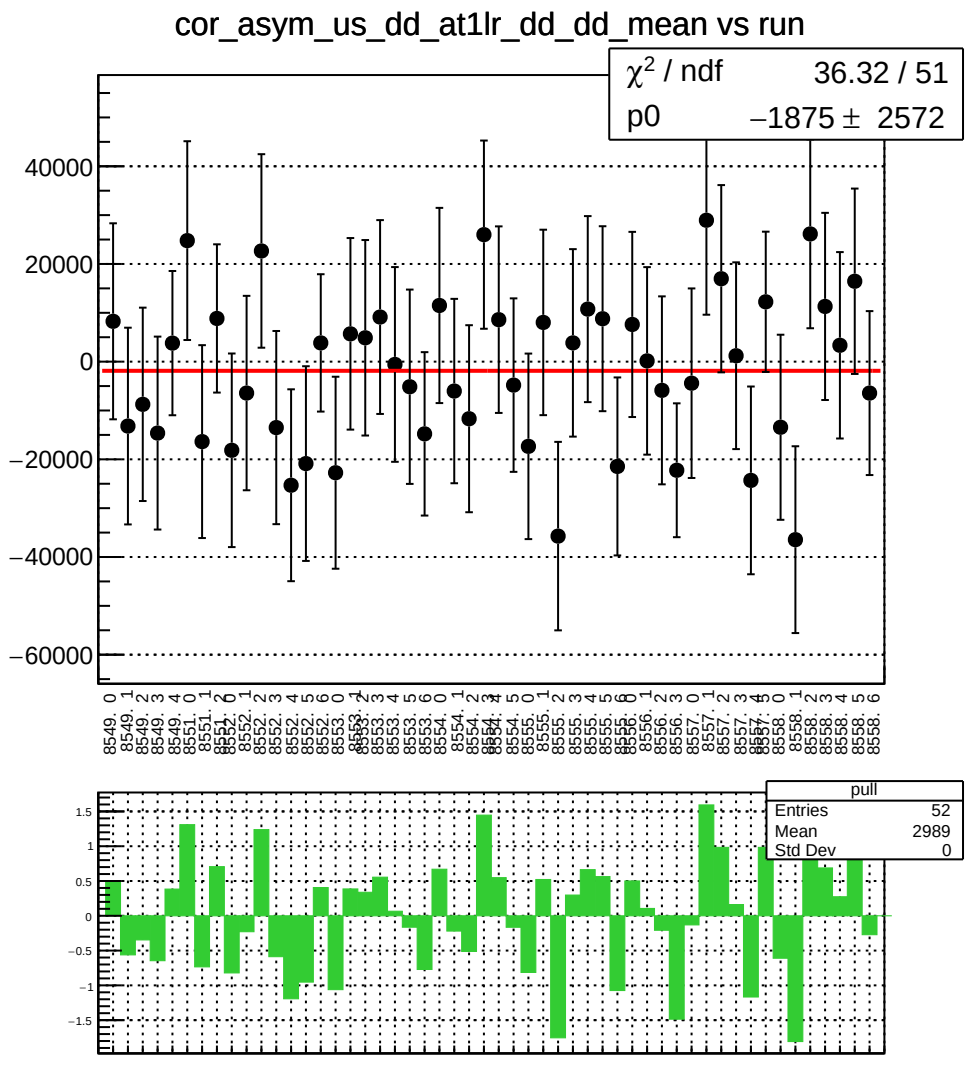

pull1D
Entries 52
Mean 0.0003817
Std Dev 0.8358
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

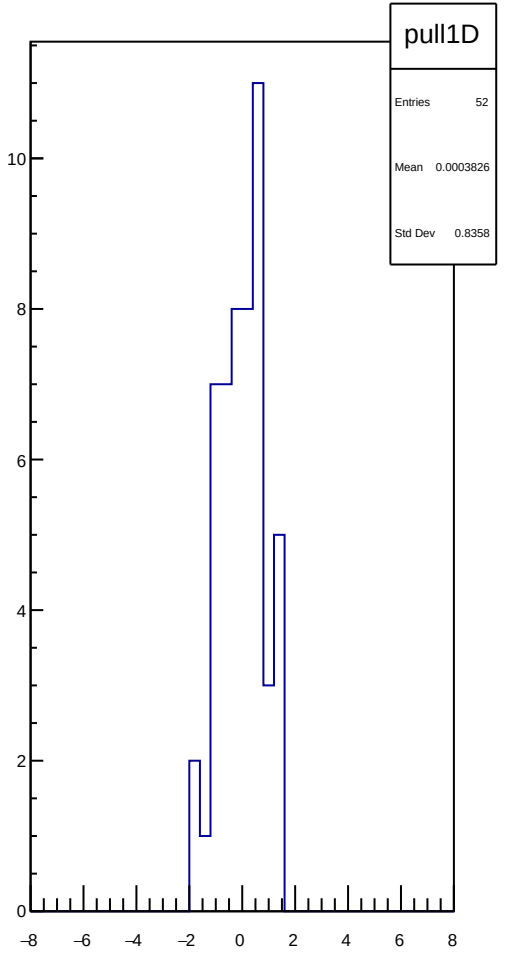

reg_asym_us_dd_at1lr_dd_dd_rms vs run
χ² / ndf 456 / 51
p0 1842 ± 1.819
1960
1940
1920
1900
1880
1860
1840
1820
1800
1780
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

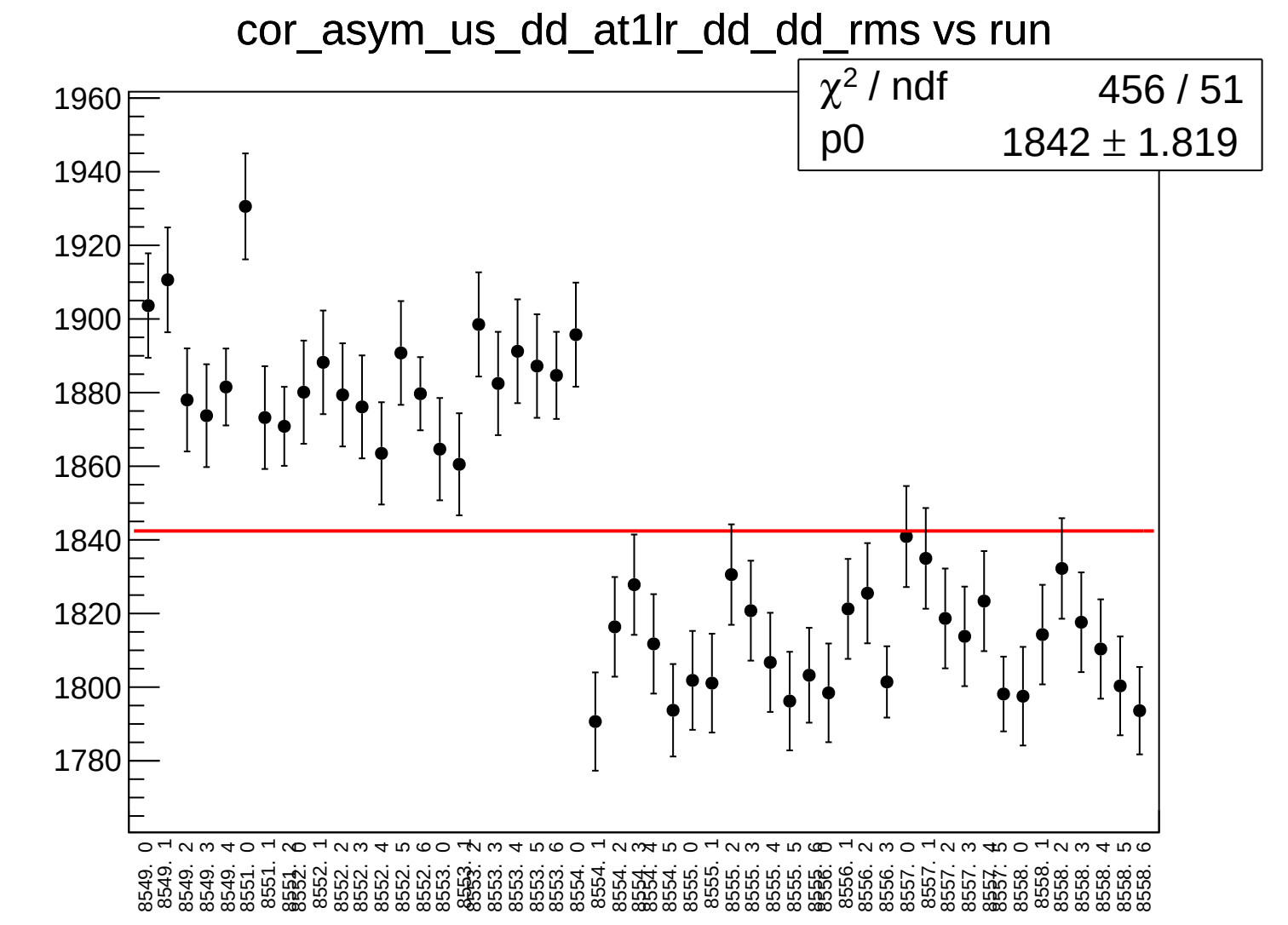

asym_us_dd_at1lr_dd_dd_reg_correction_mean vs run
χ² / ndf 85.44 / 51
p0 −6754 ± 1663
20000
0
−20000
−40000
−60000
pull
Entries 52
Mean 3.057
Std Dev 0

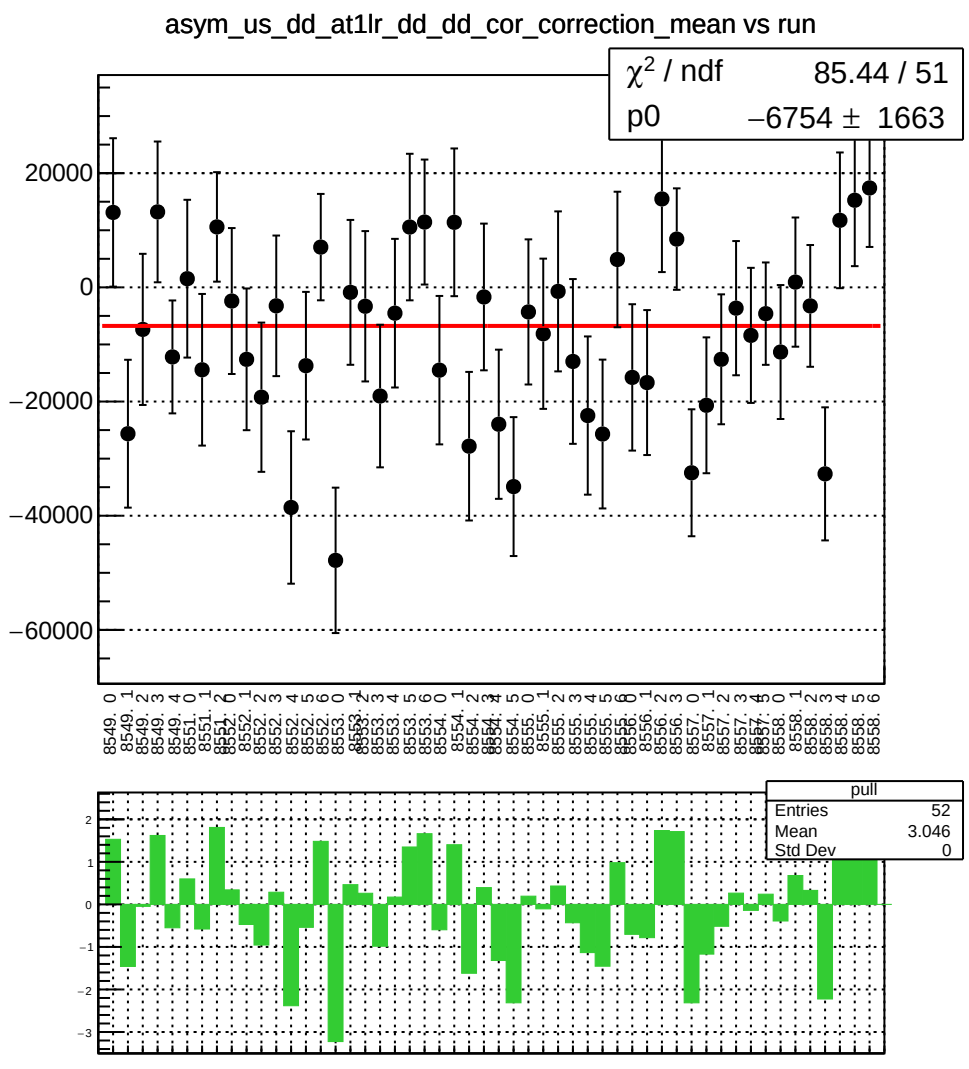

pull1D
Entries 52
Mean −0.05111
Std Dev 1.281

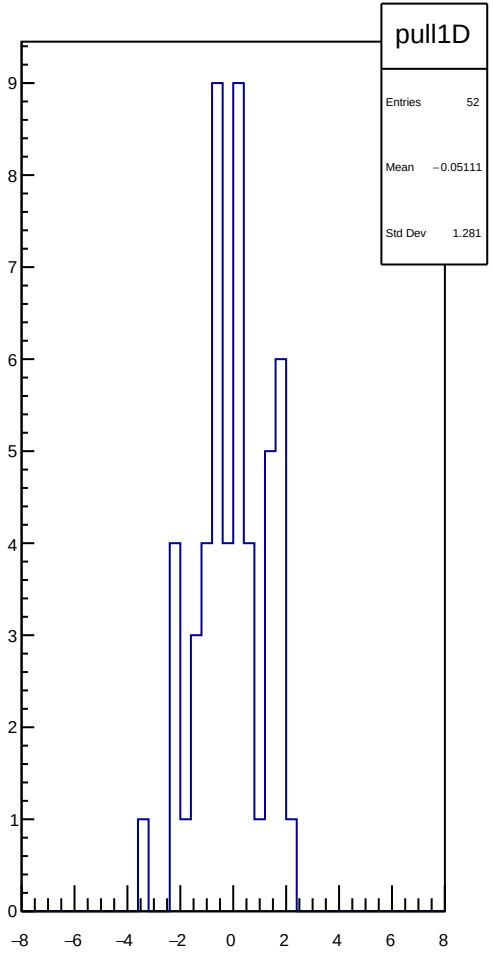

asym_us_dd_at1lr_dd_dd_reg_correction_rms vs run
χ² / ndf 3693 / 51
p0 1189 ± 1.176
1400
1350
1300
1250
1200
1150
1100
1050
1000
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 5
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

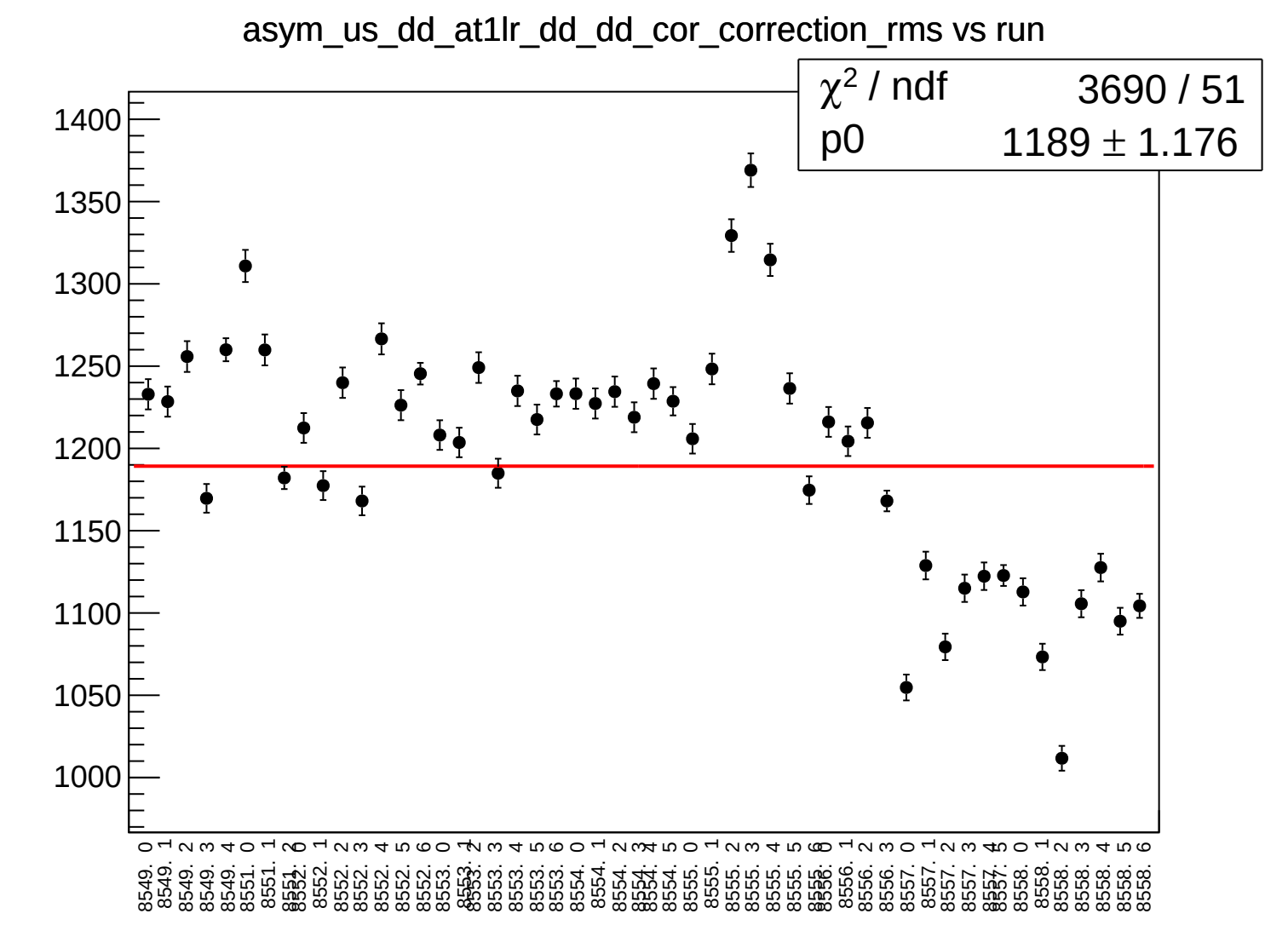

cor_asym_us_dd_at1lr_dd_dd_mean vs run
χ² / ndf 36.32 / 51
p0 −1875 ± 2572
40000
20000
0
−20000
−40000
−60000
pull
Entries 52
Mean 2989
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5


pull1D
Entries 52
Mean 0.0003826
Std Dev 0.8358
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 456 / 51
p0 1842 ± 1.819
1960
1940
1920
1900
1880
1860
1840
1820
1800
1780
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 5
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6


asym_us_dd_at1lr_dd_dd_cor_correction_mean vs run
χ² / ndf 85.44 / 51
p0 −6754 ± 1663
20000
0
−20000
−40000
−60000
pull
Entries 52
Mean 3.046
Std Dev 0
2
1
0
−1
−2
−3


pull1D
Entries 52
Mean −0.05111
Std Dev 1.281
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


asym_us_dd_at1lr_dd_dd_cor_correction_rms vs run
χ² / ndf 3690 / 51
p0 1189 ± 1.176
1400
1350
1300
1250
1200
1150
1100
1050
1000
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 5
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
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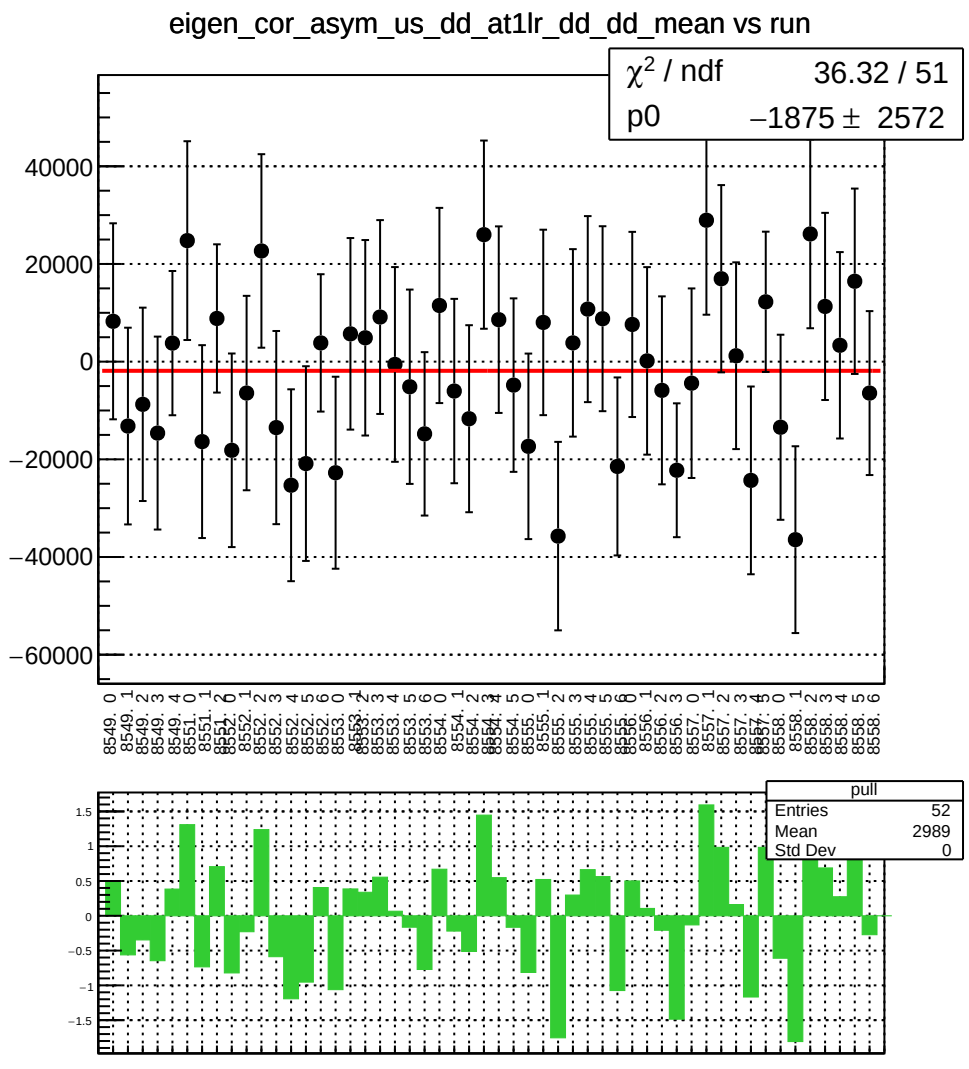
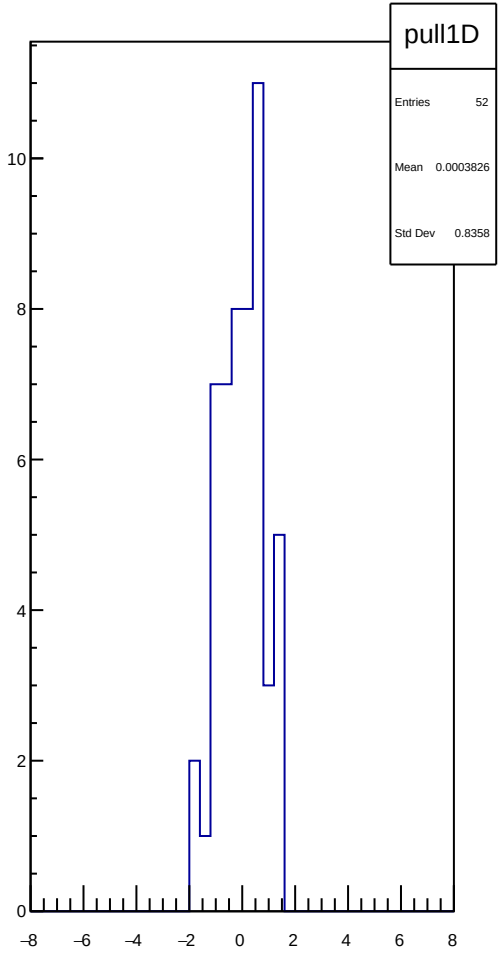
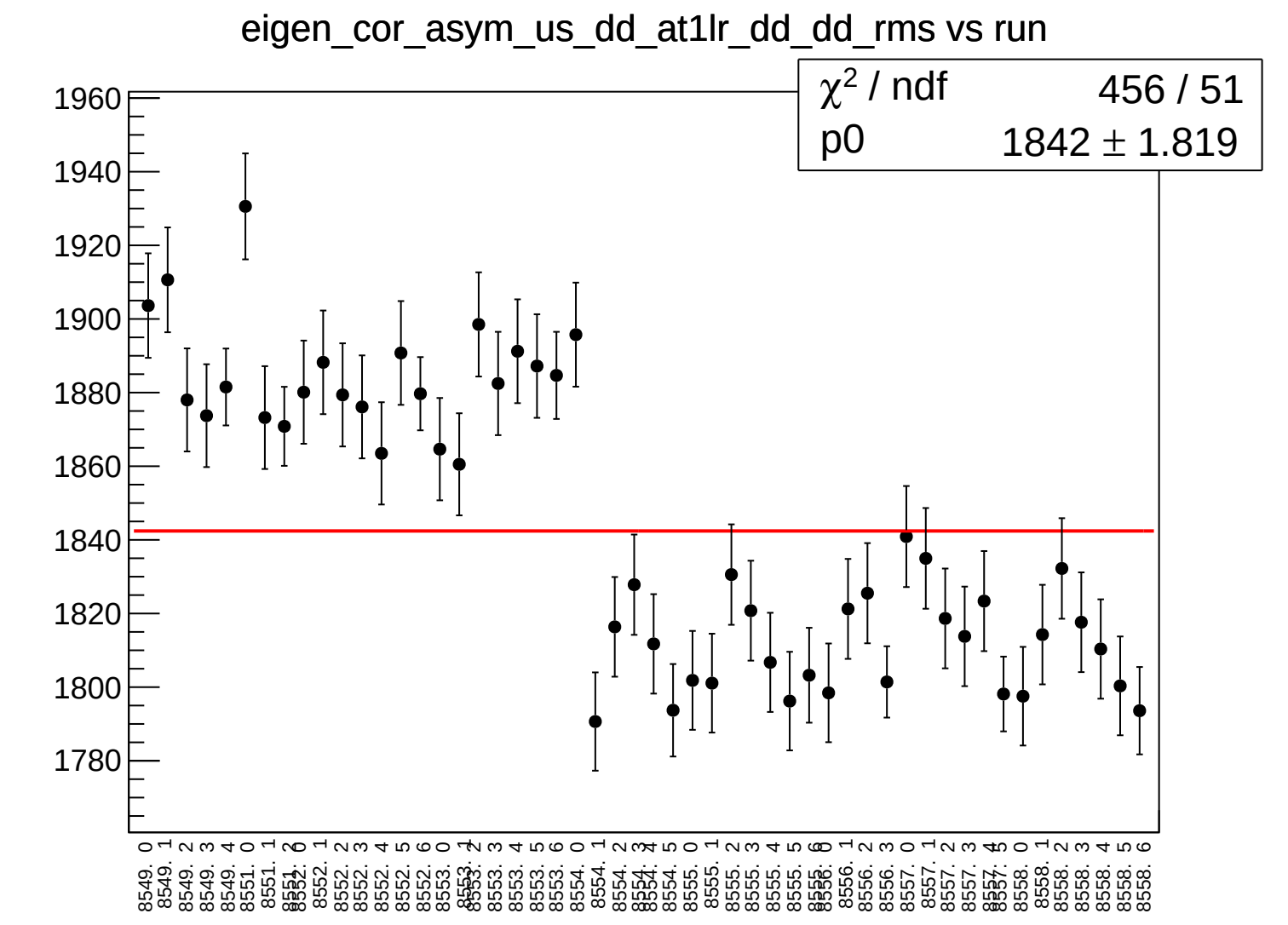
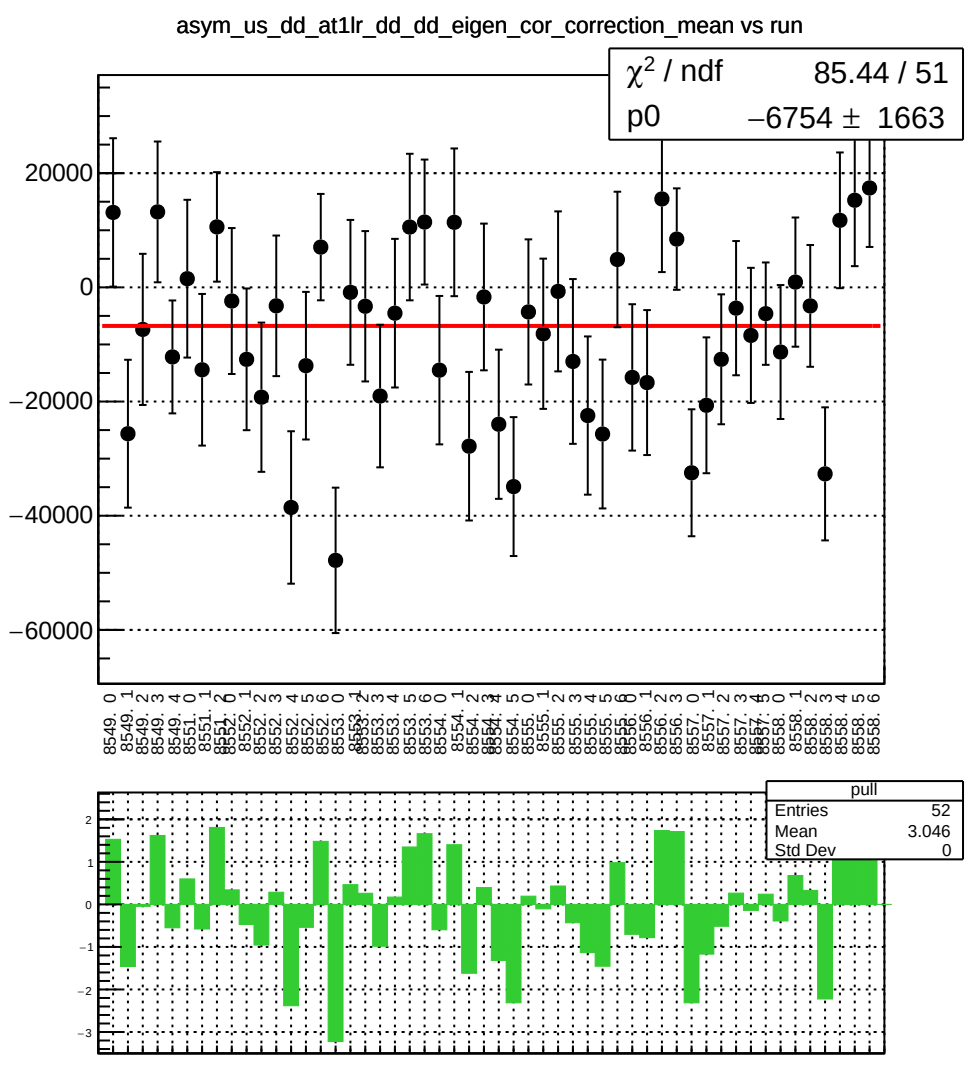
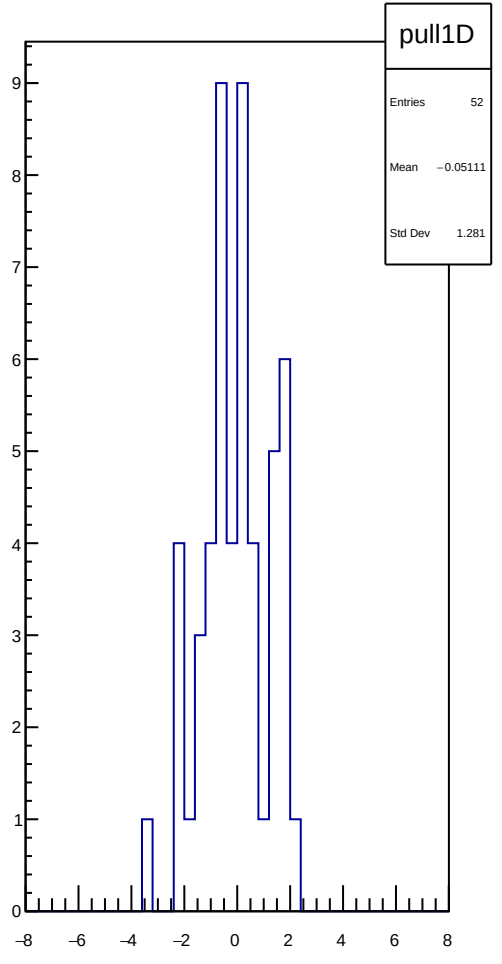
8558. 5
8558. 6

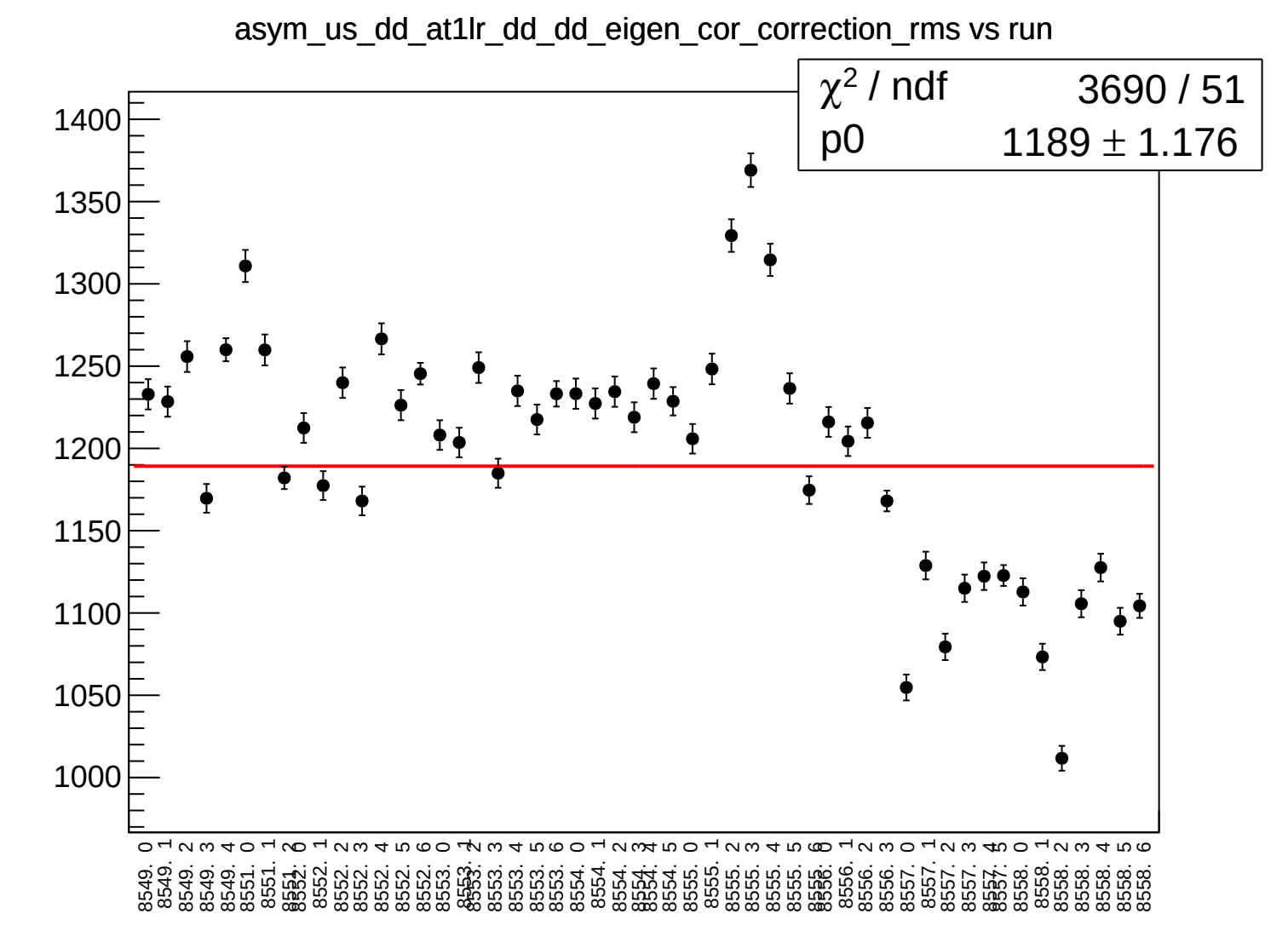

eigen_cor_asym_us_dd_at1lr_dd_dd_mean vs run
χ² / ndf 36.32 / 51
p0 −1875 ± 2572
40000
20000
0
−20000
−40000
−60000
pull
Entries 52
Mean 2989
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5

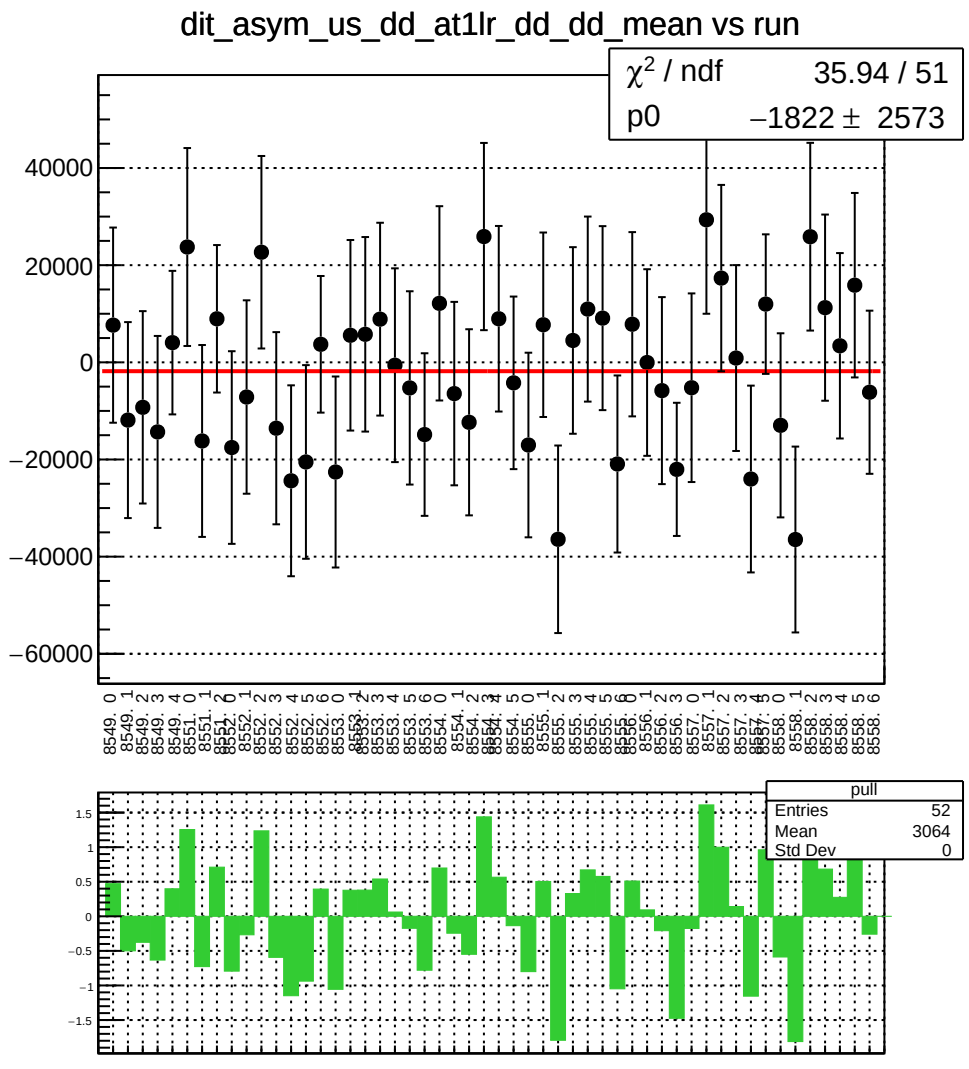

pull1D
Entries 52
Mean 0.0003826
Std Dev 0.8358
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

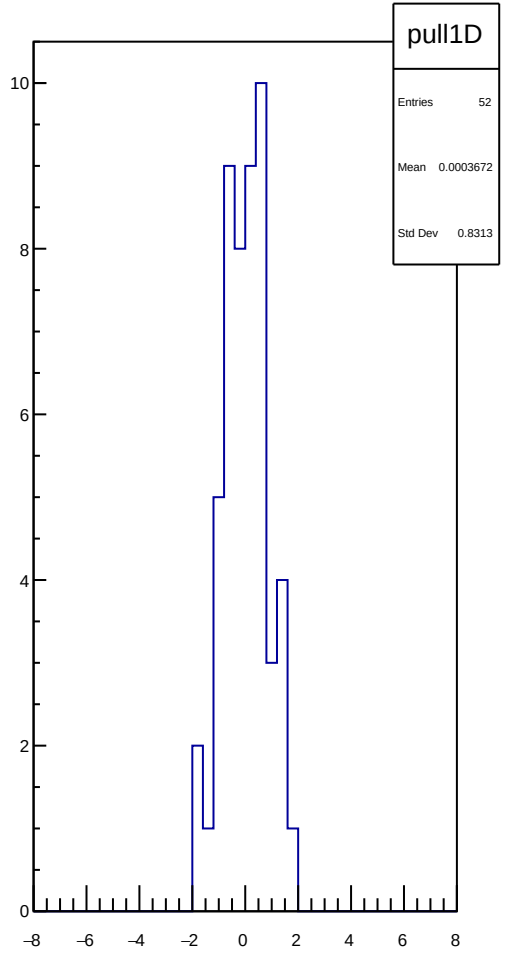

eigen_cor_asym_us_dd_at1lr_dd_dd_rms vs run
χ² / ndf 456 / 51
p0 1842 ± 1.819
1960
1940
1920
1900
1880
1860
1840
1820
1800
1780
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 5
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

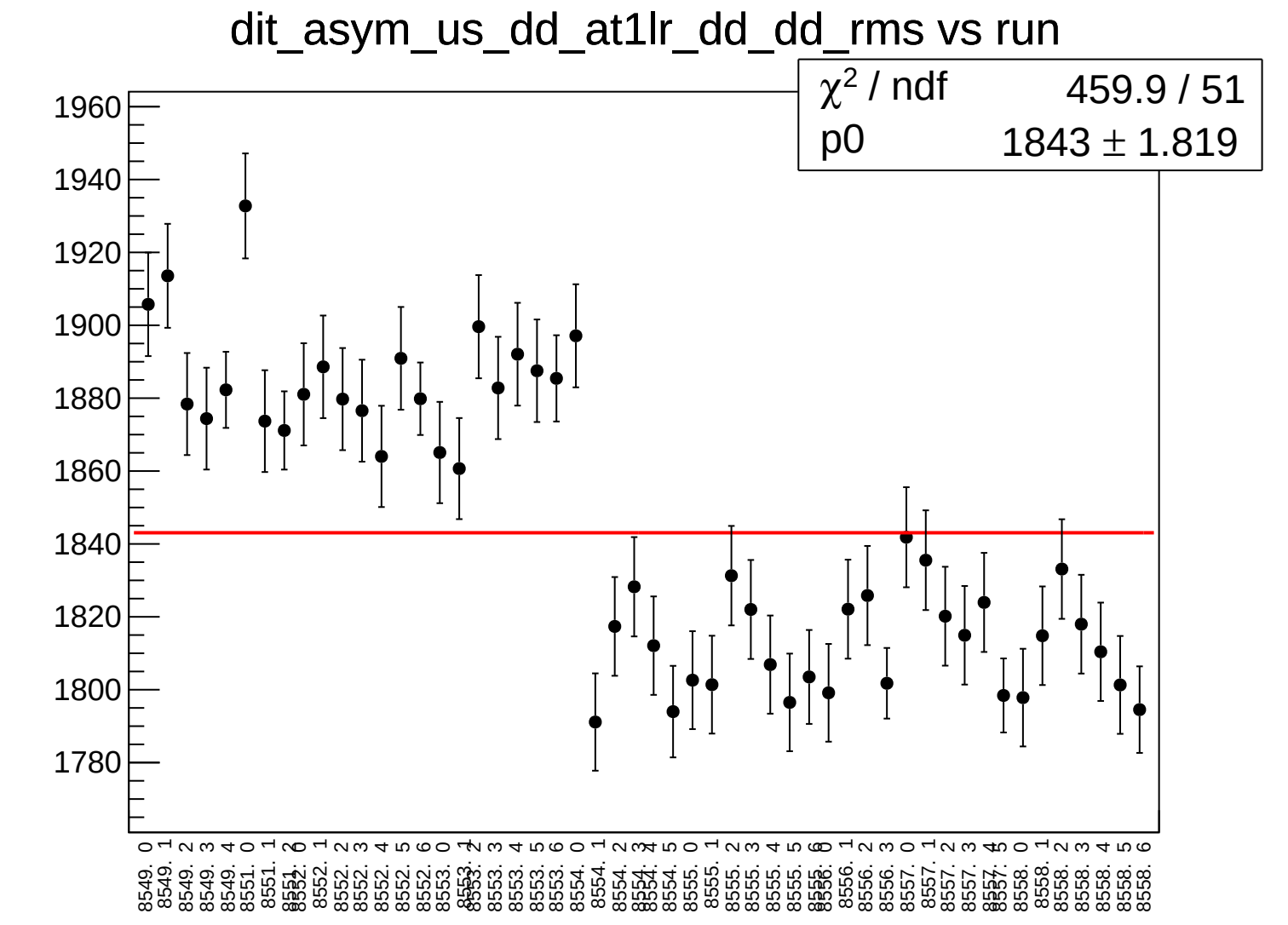

asym_us_dd_at1lr_dd_dd_eigen_cor_correction_mean vs run
χ² / ndf 85.44 / 51
p0 −6754 ± 1663
20000
0
−20000
−40000
−60000
pull
Entries 52
Mean 3.046
Std Dev 0

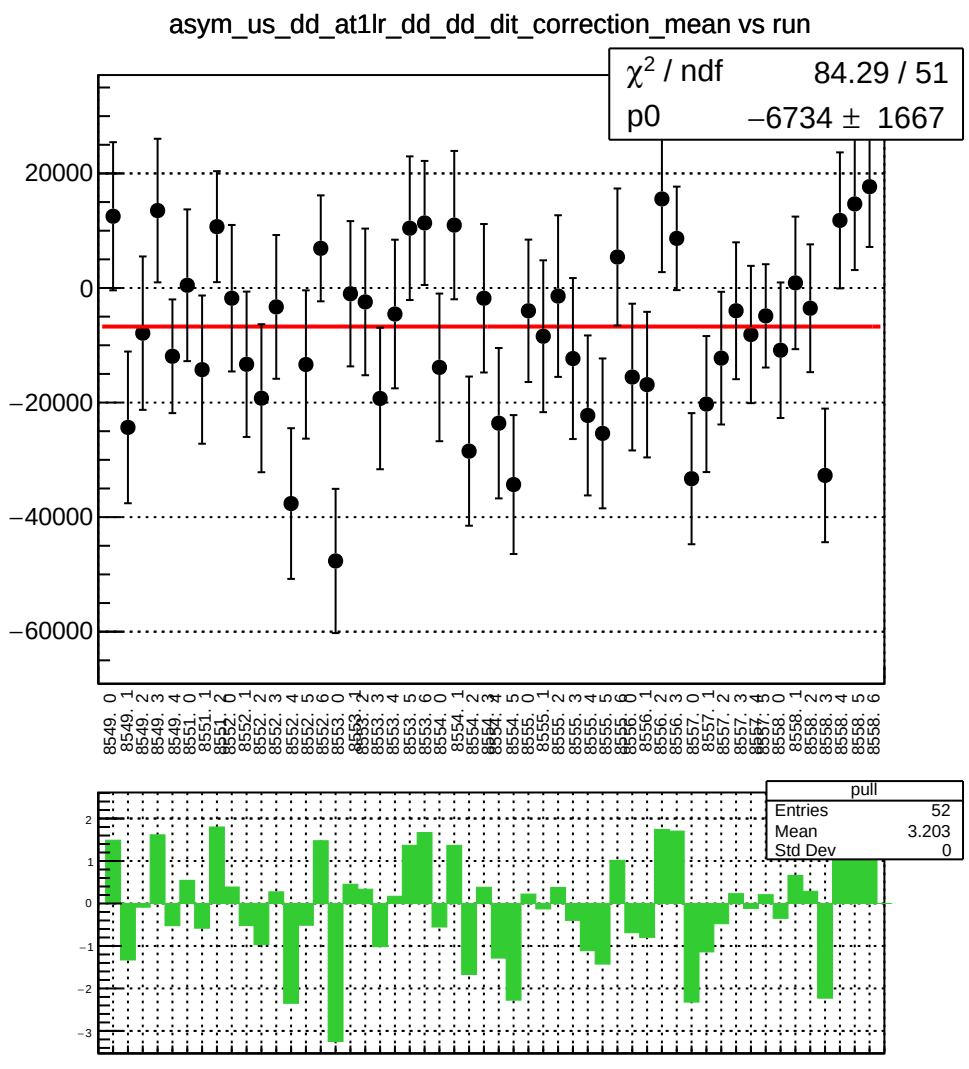

pull1D
Entries 52
Mean −0.05111
Std Dev 1.281

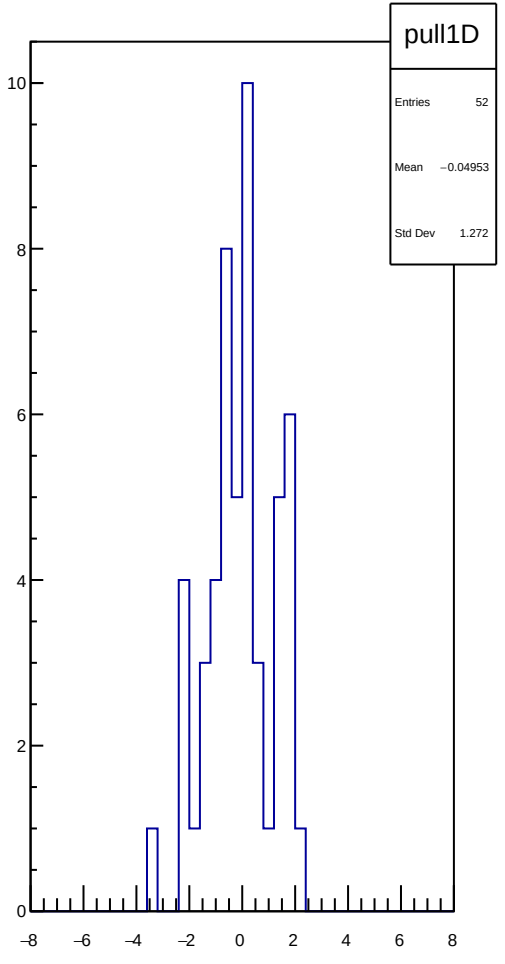

asym_us_dd_at1lr_dd_dd_eigen_cor_correction_rms vs run
χ² / ndf 3690 / 51
p0 1189 ± 1.176
1400
1350
1300
1250
1200
1150
1100
1050
1000
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 5
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

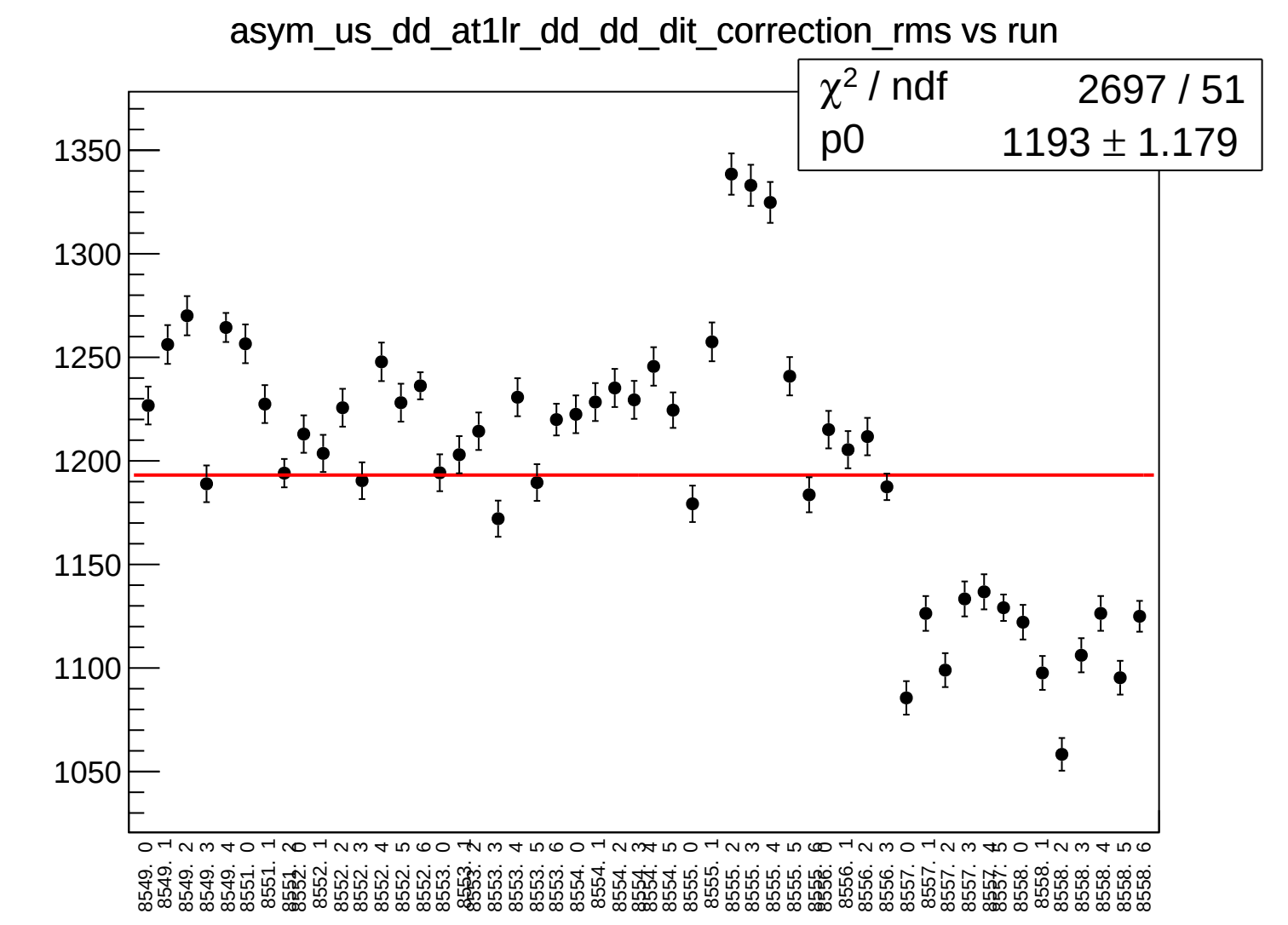

dit_asym_us_dd_at1lr_dd_dd_mean vs run
χ² / ndf 35.94 / 51
p0 −1822 ± 2573
40000
20000
0
−20000
−40000
−60000
pull
Entries 52
Mean 3064
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5

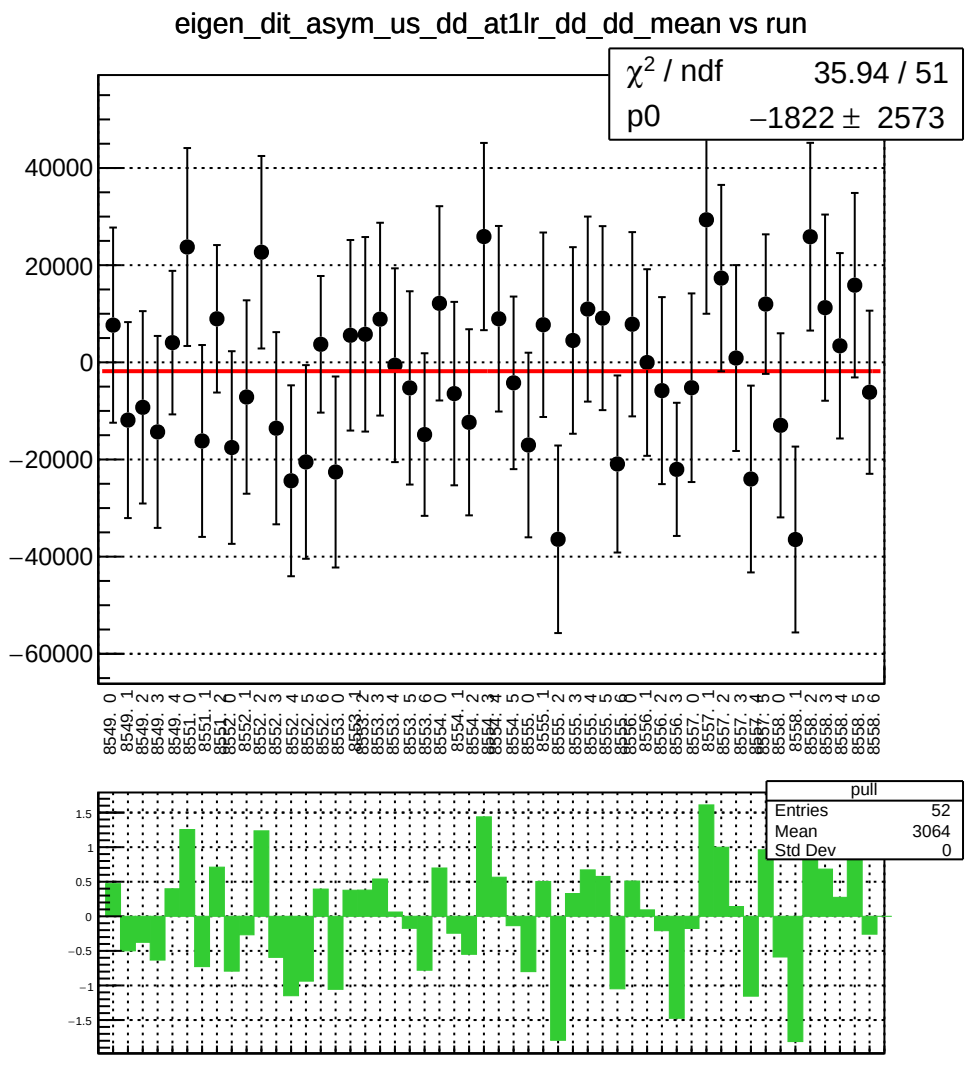

pull1D
Entries 52
Mean 0.0003672
Std Dev 0.8313
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

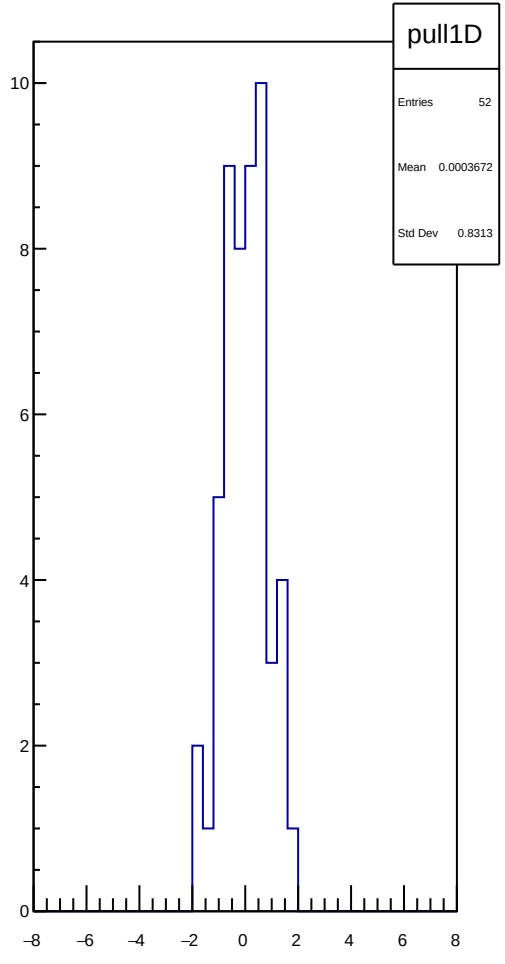

dit_asym_us_dd_at1lr_dd_dd_rms vs run
χ² / ndf 459.9 / 51
p0 1843 ± 1.819
1960
1940
1920
1900
1880
1860
1840
1820
1800
1780
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

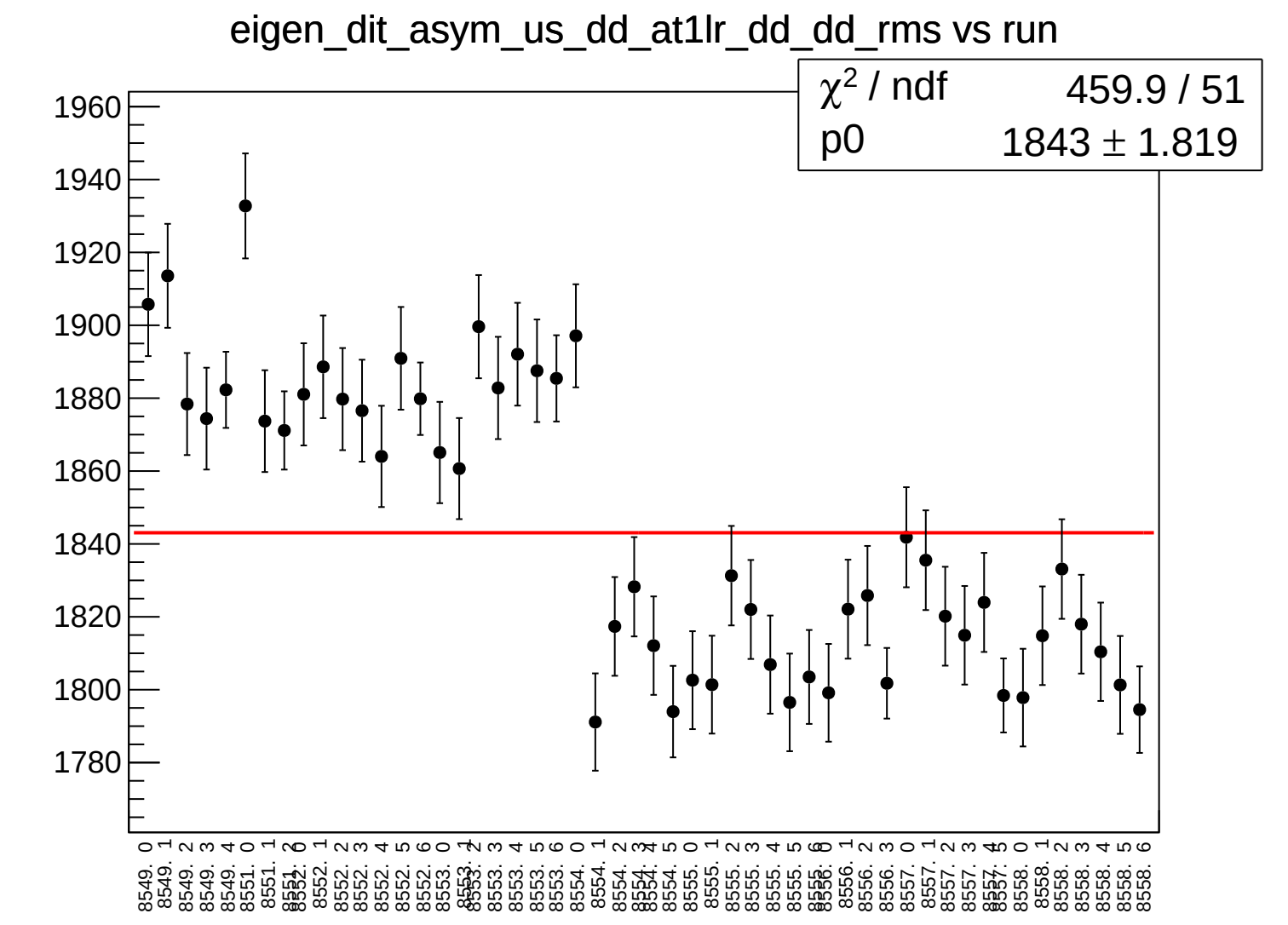

asym_us_dd_at1lr_dd_dd_dit_correction_mean vs run
χ² / ndf 84.29 / 51
p0 −6734 ± 1667
20000
0
−20000
−40000
−60000
pull
Entries 52
Mean 3.203
Std Dev 0

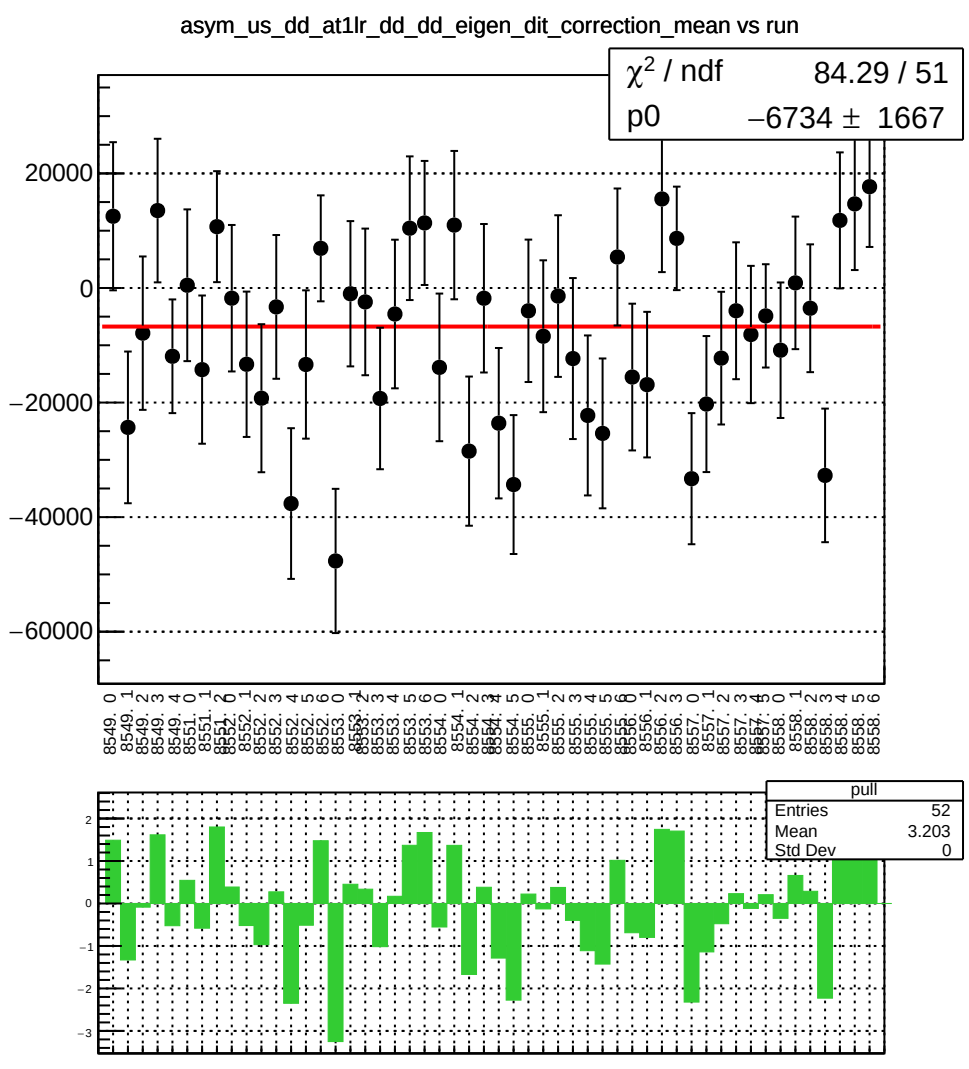

pull1D
Entries 52
Mean −0.04953
Std Dev 1.272

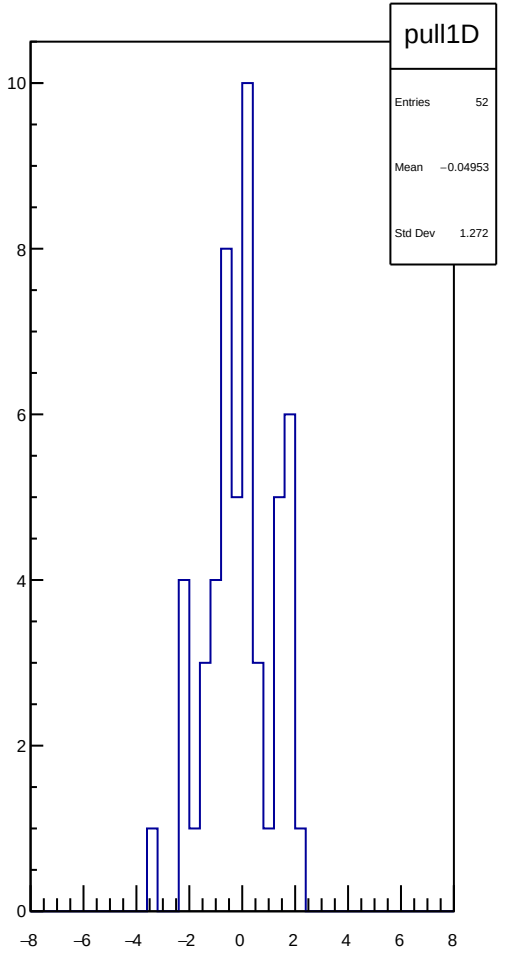

asym_us_dd_at1lr_dd_dd_dit_correction_rms vs run
χ² / ndf 2697 / 51
p0 1193 ± 1.179
1350
1300
1250
1200
1150
1100
1050
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 5
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8557. 5
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

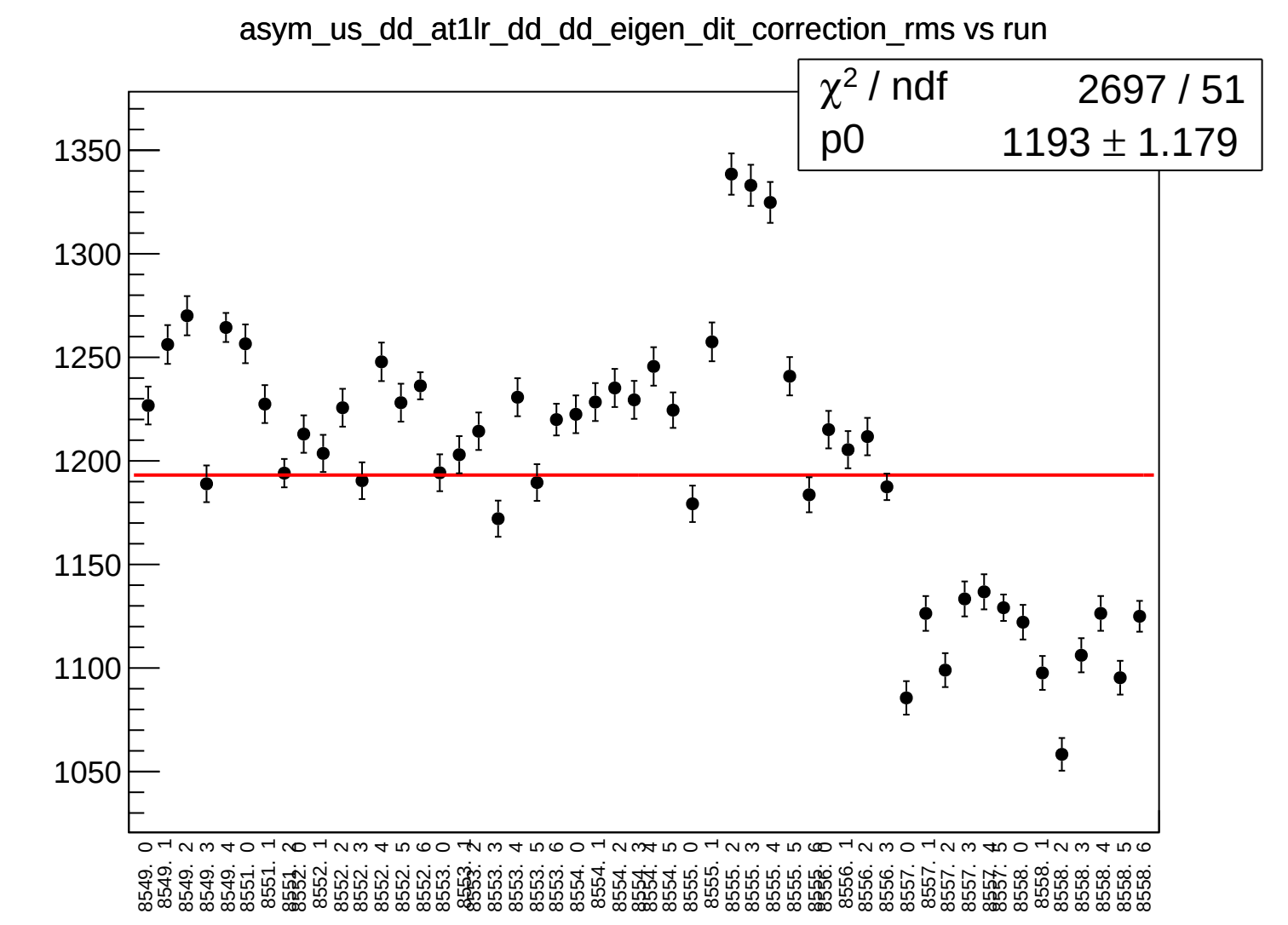

eigen_dit_asym_us_dd_at1lr_dd_dd_mean vs run
χ² / ndf 35.94 / 51
p0 −1822 ± 2573
40000
20000
0
−20000
−40000
−60000
pull
Entries 52
Mean 3064
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5

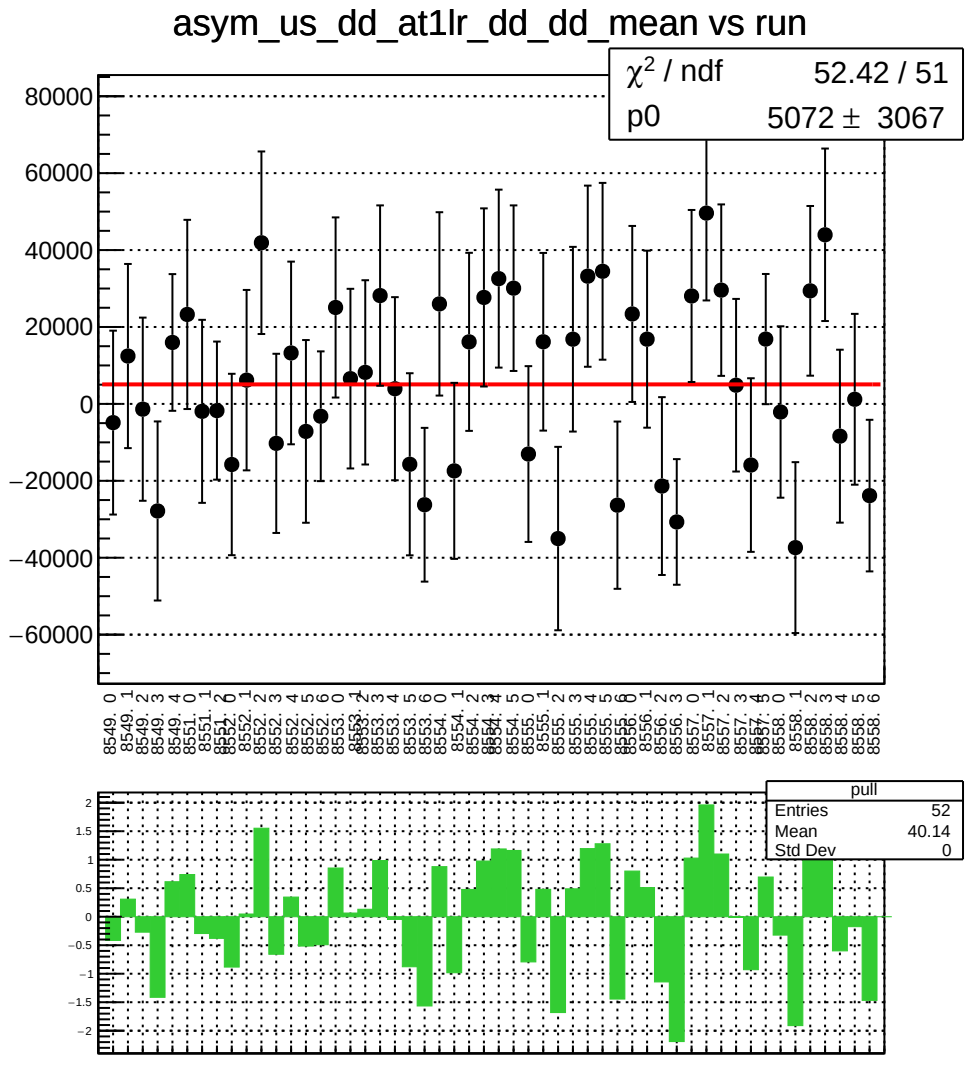

pull1D
Entries 52
Mean 0.0003672
Std Dev 0.8313
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

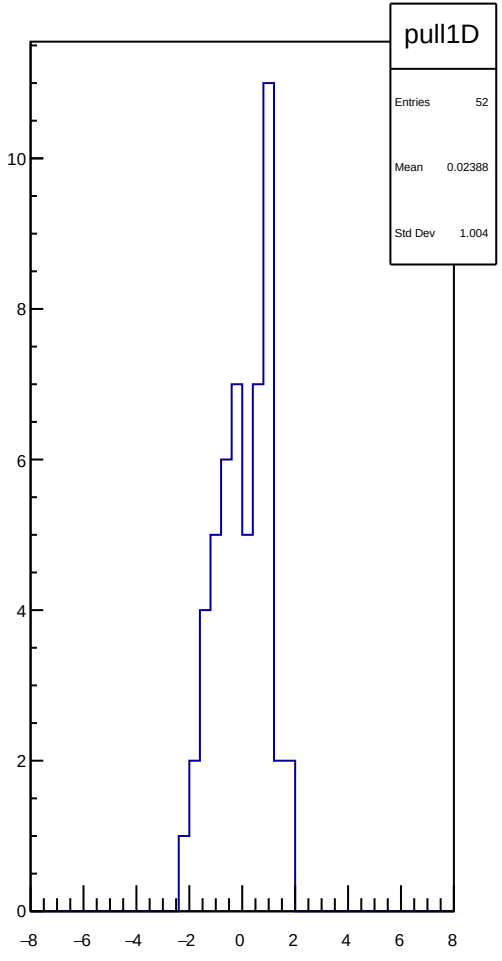

eigen_dit_asym_us_dd_at1lr_dd_dd_rms vs run
χ² / ndf 459.9 / 51
p0 1843 ± 1.819
1960
1940
1920
1900
1880
1860
1840
1820
1800
1780
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

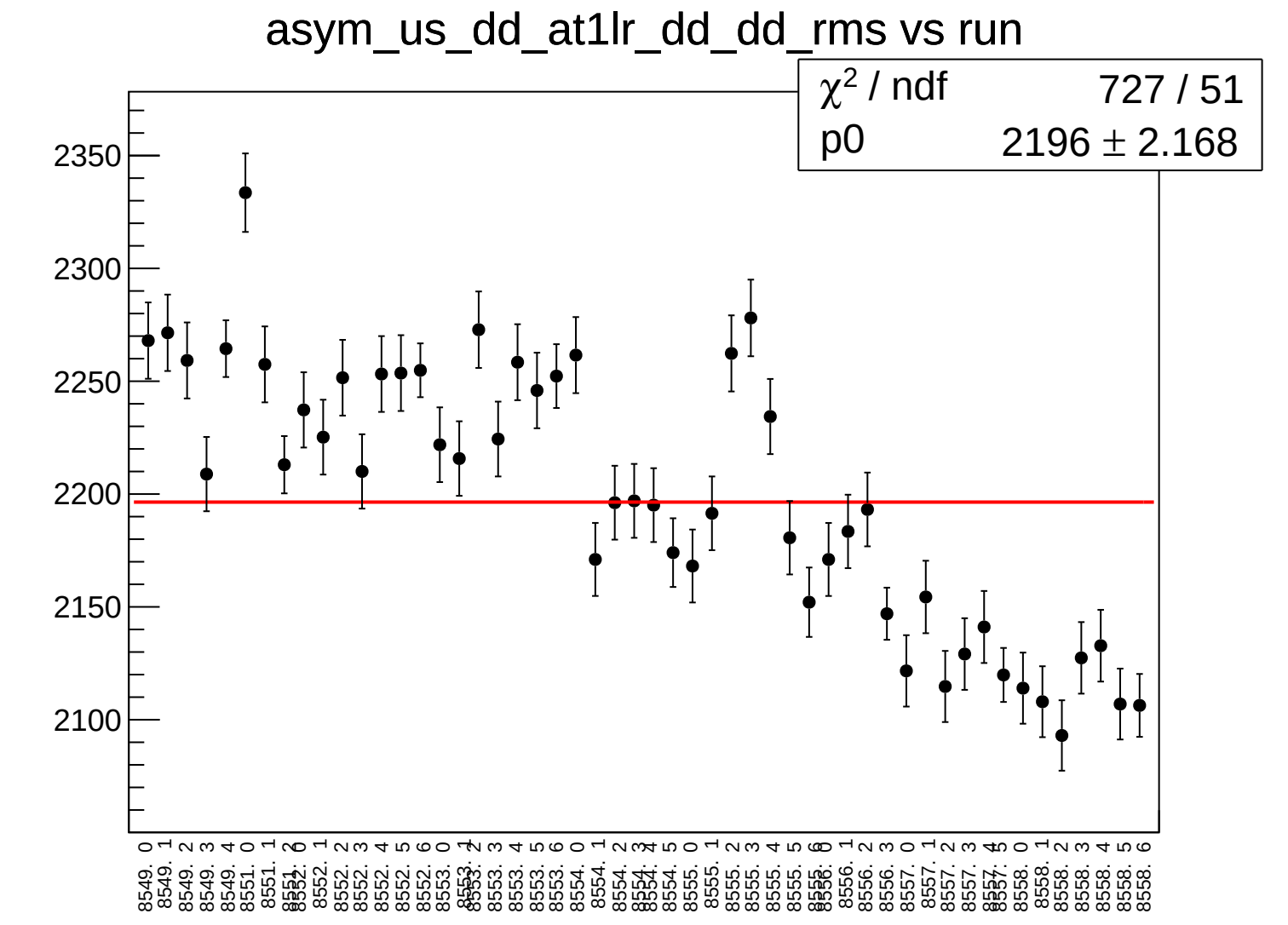

asym_us_dd_at1lr_dd_dd_eigen_dit_correction_mean vs run
χ² / ndf 84.29 / 51
p0 −6734 ± 1667
20000
0
−20000
−40000
−60000
pull
Entries 52
Mean 3.203
Std Dev 0
2
1
0
−1
−2
−3

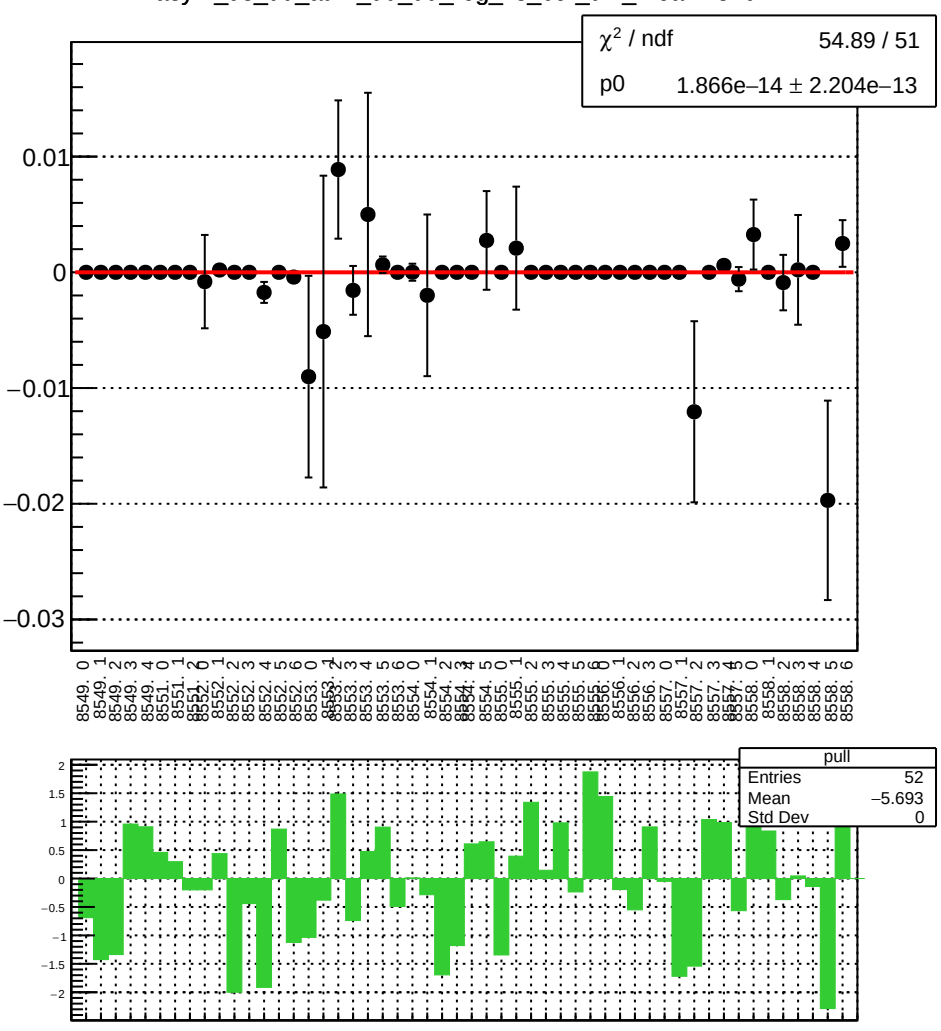

pull1D
Entries 52
Mean −0.04953
Std Dev 1.272
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

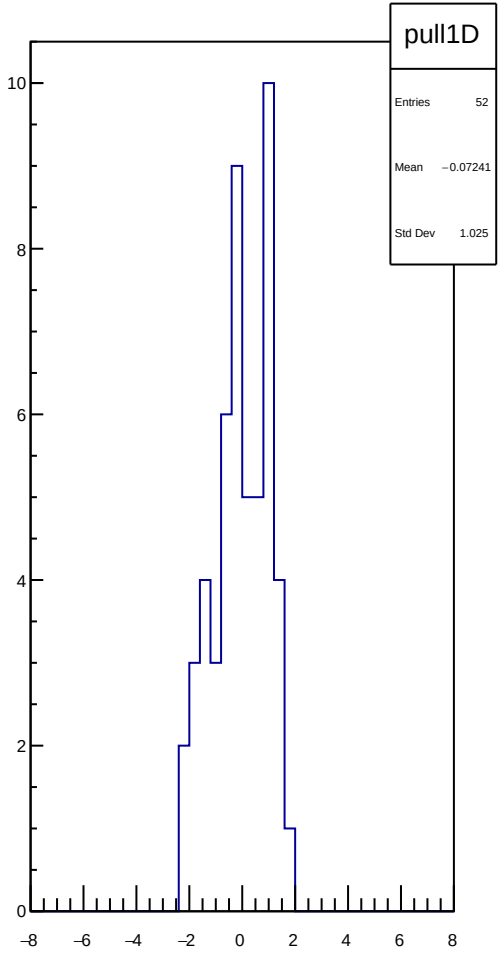

asym_us_dd_at1lr_dd_dd_eigen_dit_correction_rms vs run
χ² / ndf 2697 / 51
p0 1193 ± 1.179
1350
1300
1250
1200
1150
1100
1050
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 5
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8557. 5
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

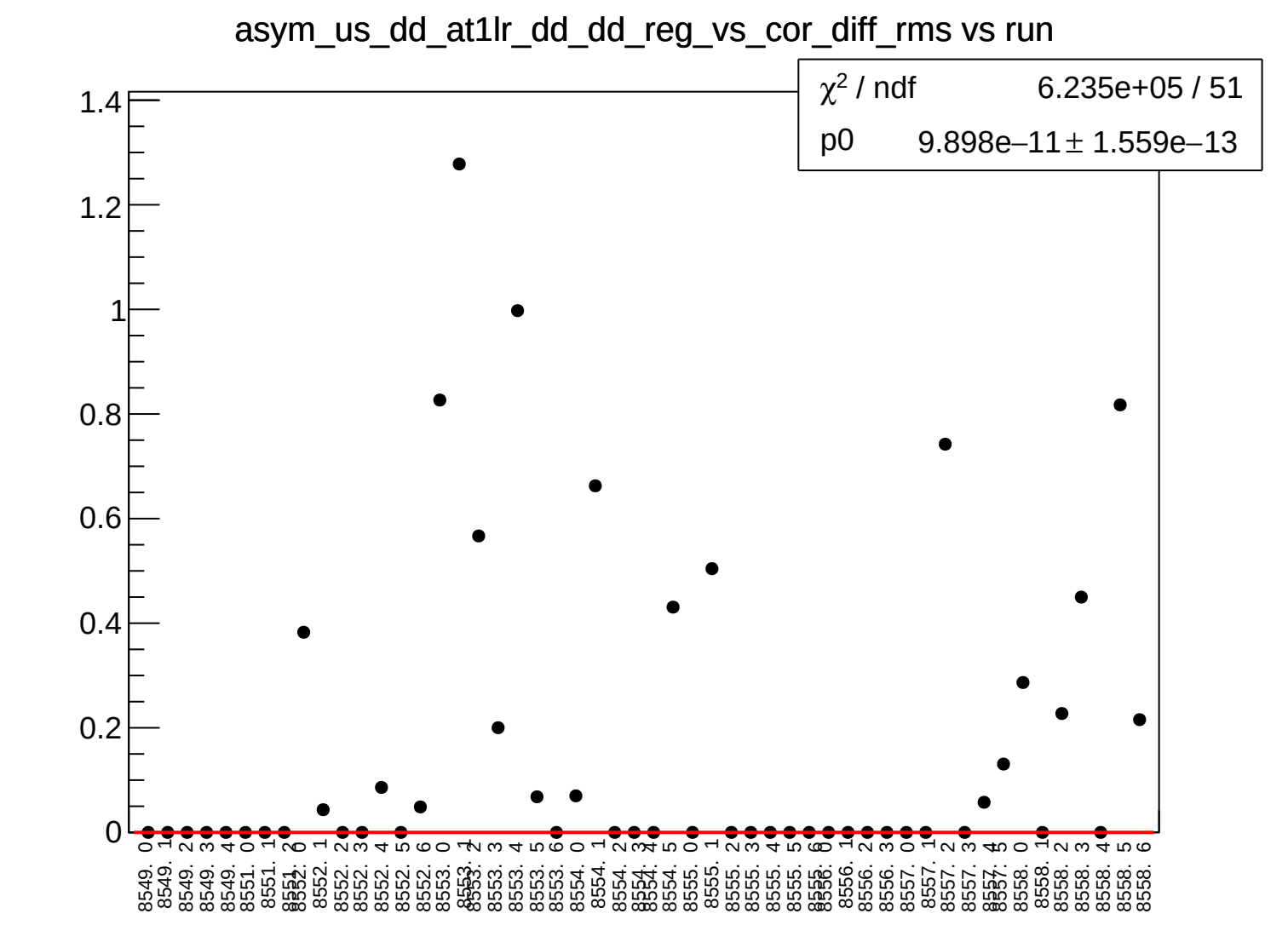

asym_us_dd_at1lr_dd_dd_mean vs run
χ² / ndf 52.42 / 51
p0 5072 ± 3067
pull
Entries 52
Mean 40.14
Std Dev 0


pull1D
Entries 52
Mean 0.02388
Std Dev 1.004


asym_us_dd_at1lr_dd_dd_rms vs run
χ² / ndf 727 / 51
p0 2196 ± 2.168
2350
2300
2250
2200
2150
2100
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6


asym_us_dd_at1lr_dd_dd_reg_vs_cor_diff_mean vs run
χ² / ndf 54.89 / 51
p0 1.866e−14 ± 2.204e−13
0.01
0
−0.01
−0.02
−0.03
pull
Entries 52
Mean −5.693
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2


pull1D
Entries 52
Mean −0.07241
Std Dev 1.025
10
8
6
4
2
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 6.235e+05 / 51
p0 9.898e−11 ± 1.559e−13
1.4
1.2
1
0.8
0.6
0.4
0.2
0
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 0
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 1
8553. 2
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8557. 1
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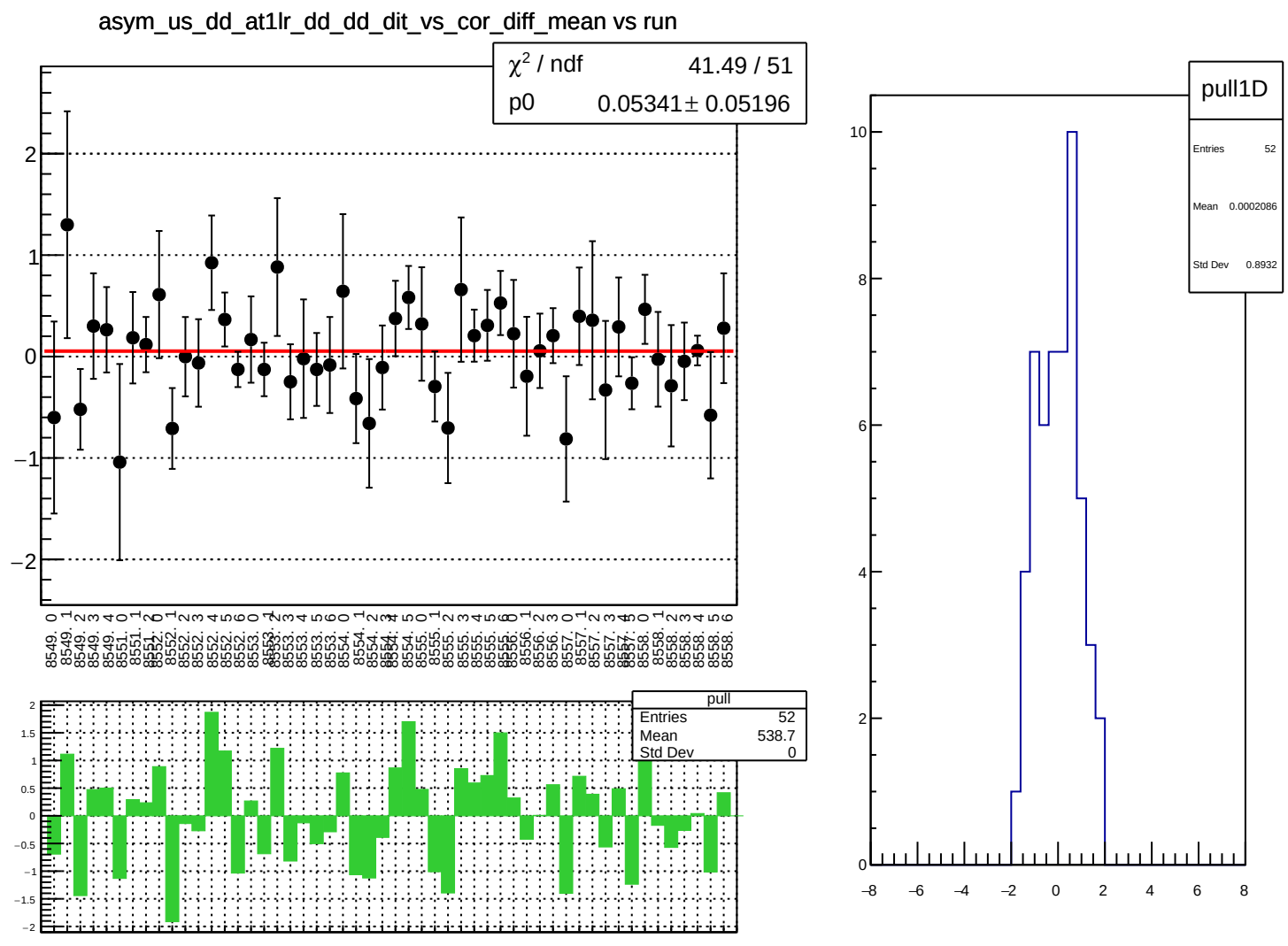
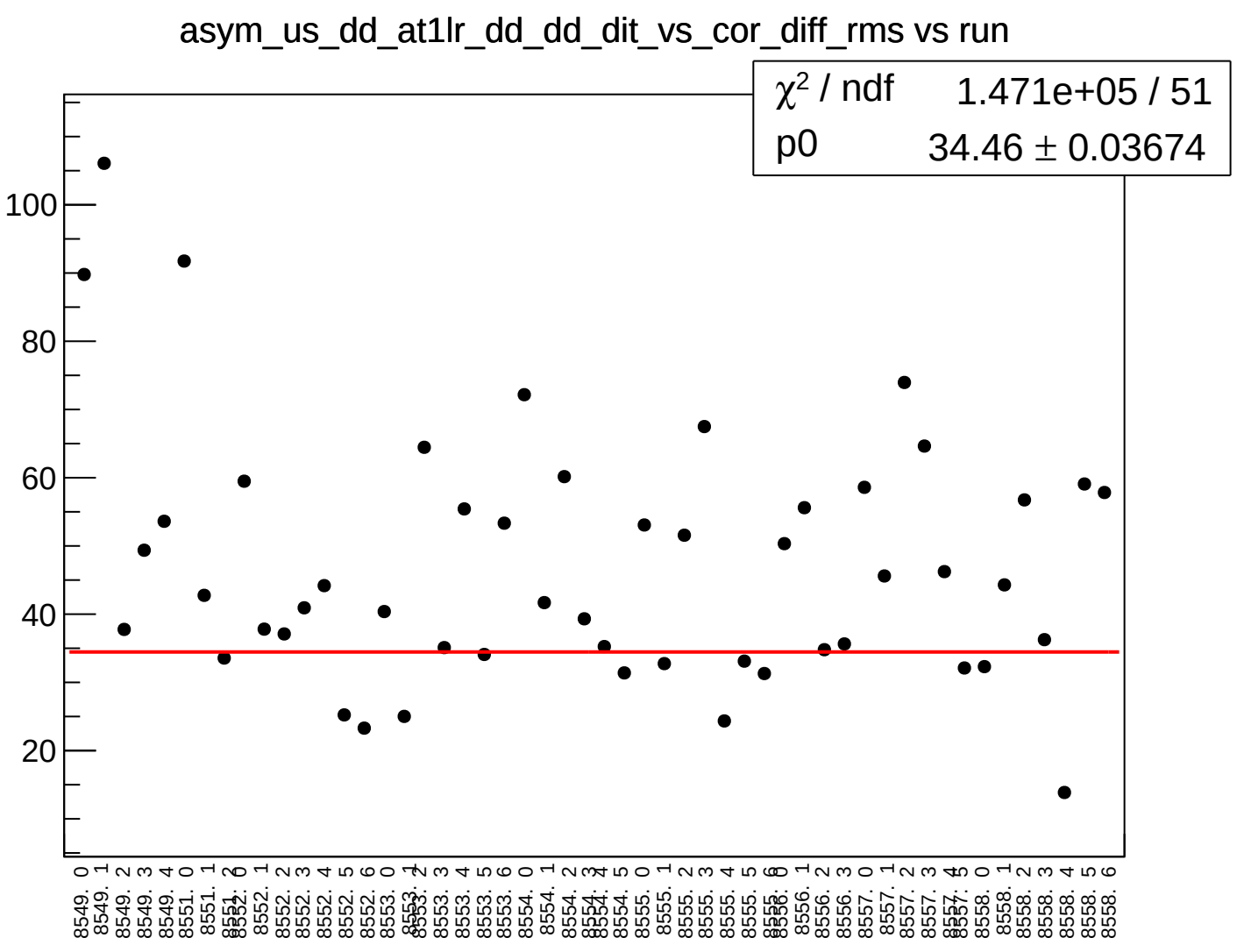
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6


asym_us_dd_at1lr_dd_dd_dit_vs_cor_diff_mean vs run
χ² / ndf 41.49 / 51
p0 0.05341 ± 0.05196
pull
Entries 52
Mean 538.7
Std Dev 0
pull1D
Entries 52
Mean 0.0002086
Std Dev 0.8932


asym_us_dd_at1lr_dd_dd_dit_vs_cor_diff_rms vs run
χ² / ndf 1.471e+05 / 51
p0 34.46 ± 0.03674
100
80
60
40
20
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
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8554. 2
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8555. 1
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8555. 3
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8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
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8557. 3
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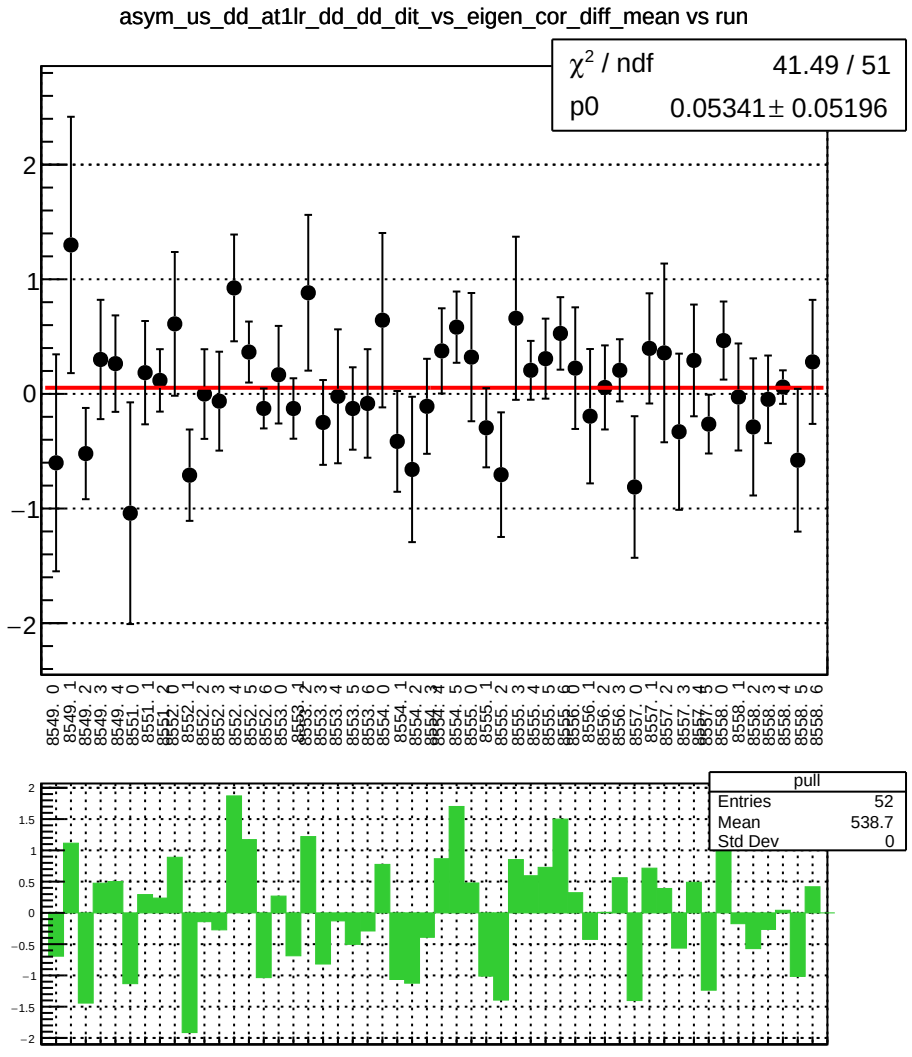
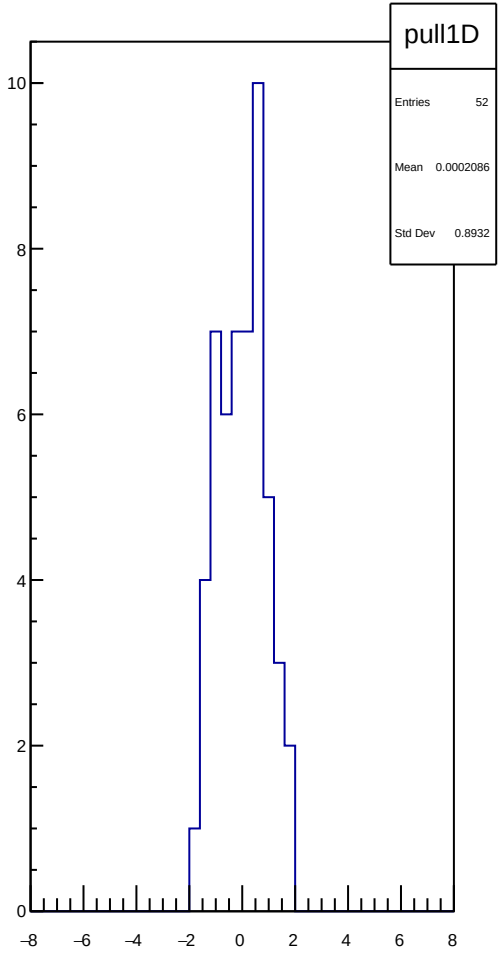
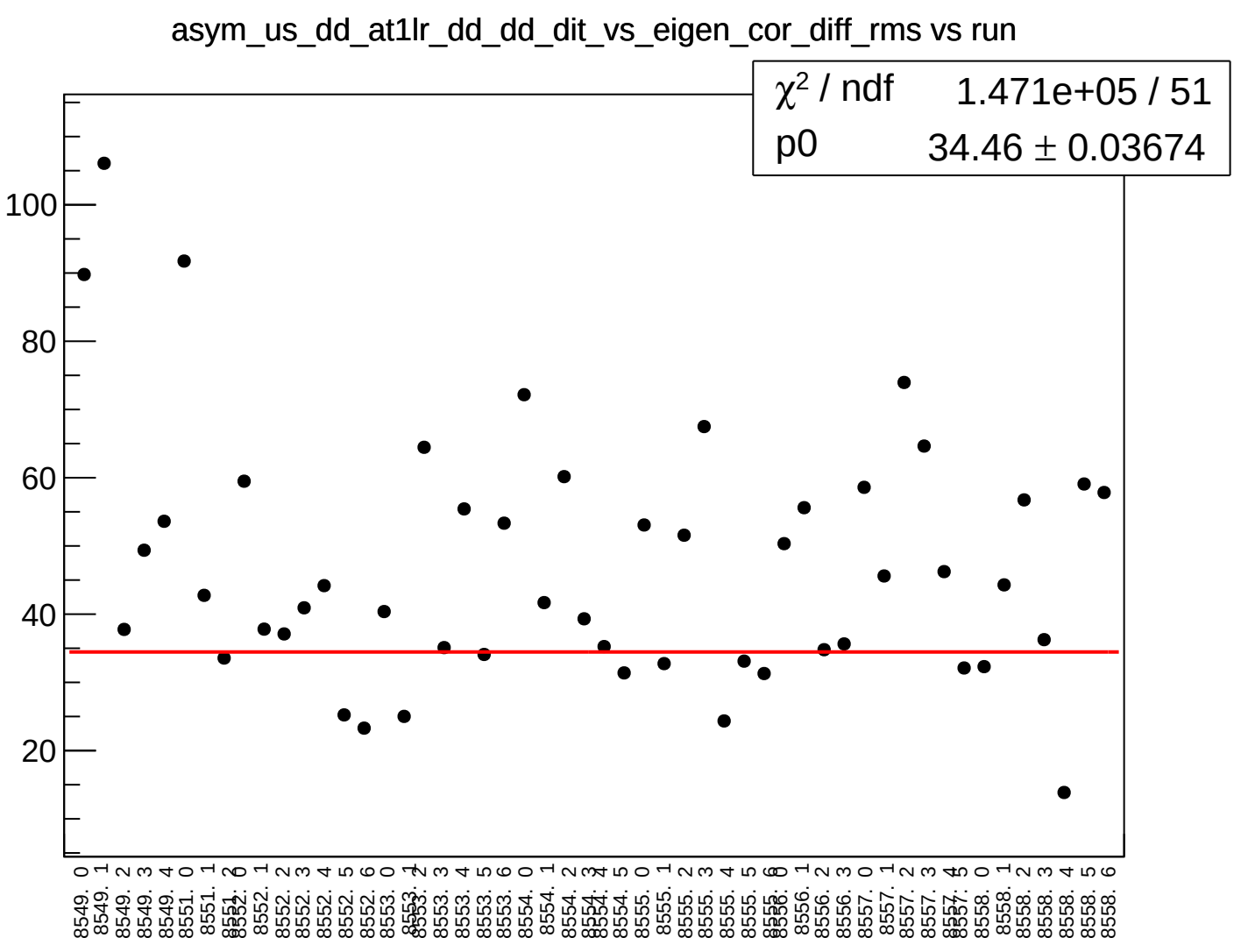
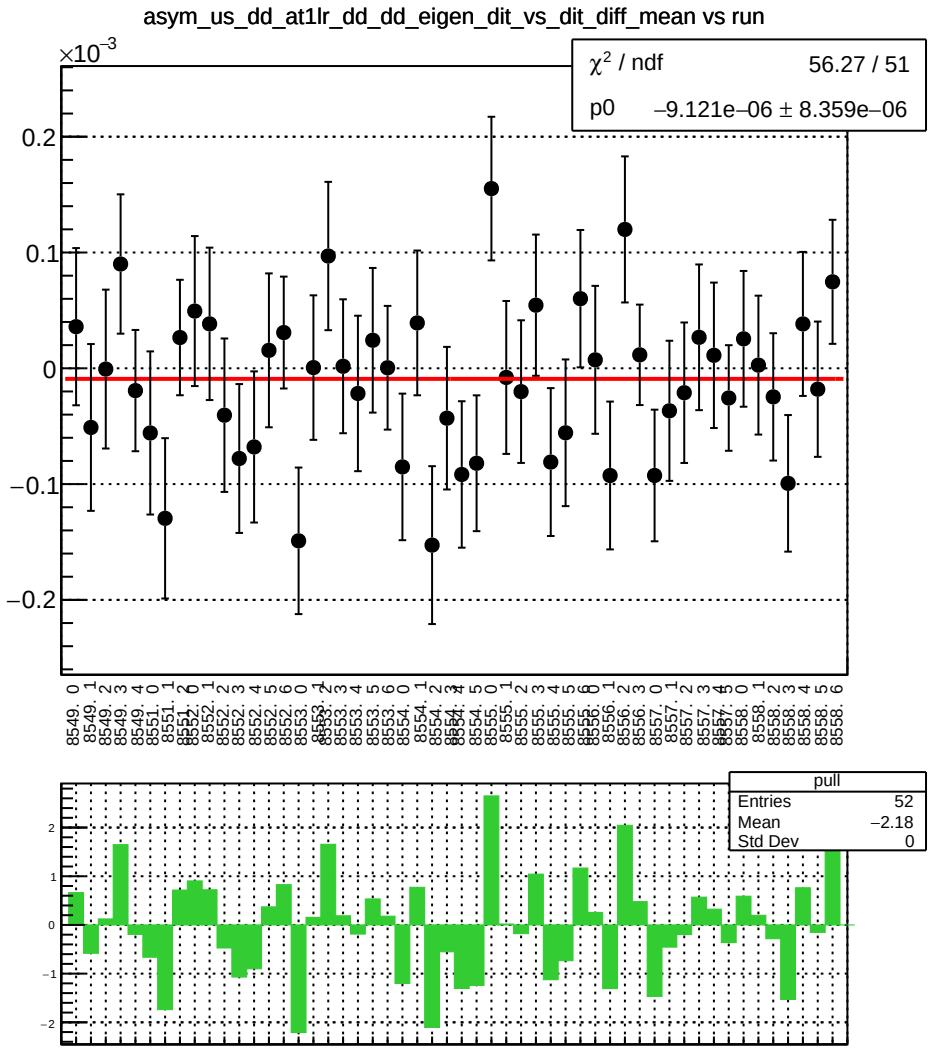
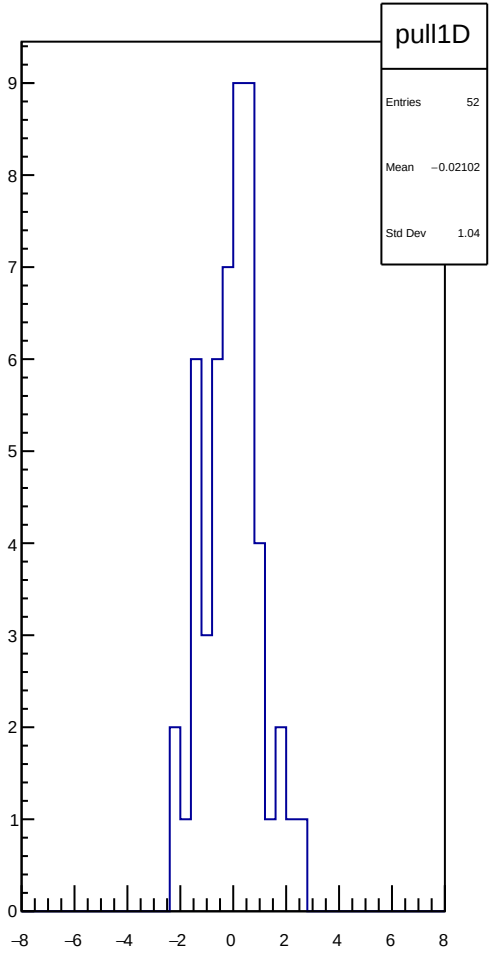
8558. 5
8558. 6

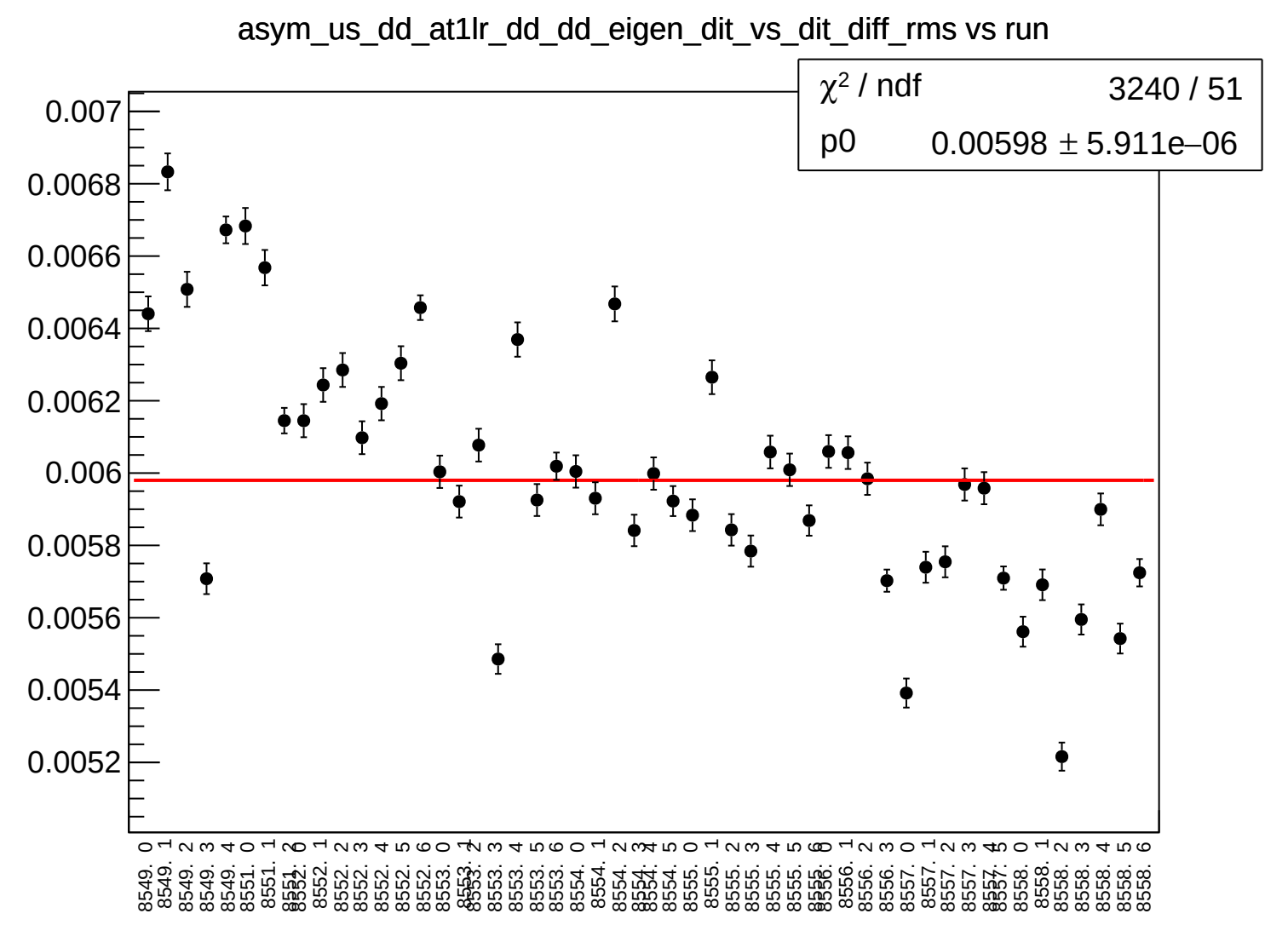

asym_us_dd_at1lr_dd_dd_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 41.49 / 51
p0 0.05341 ± 0.05196
pull
Entries 52
Mean 538.7
Std Dev 0

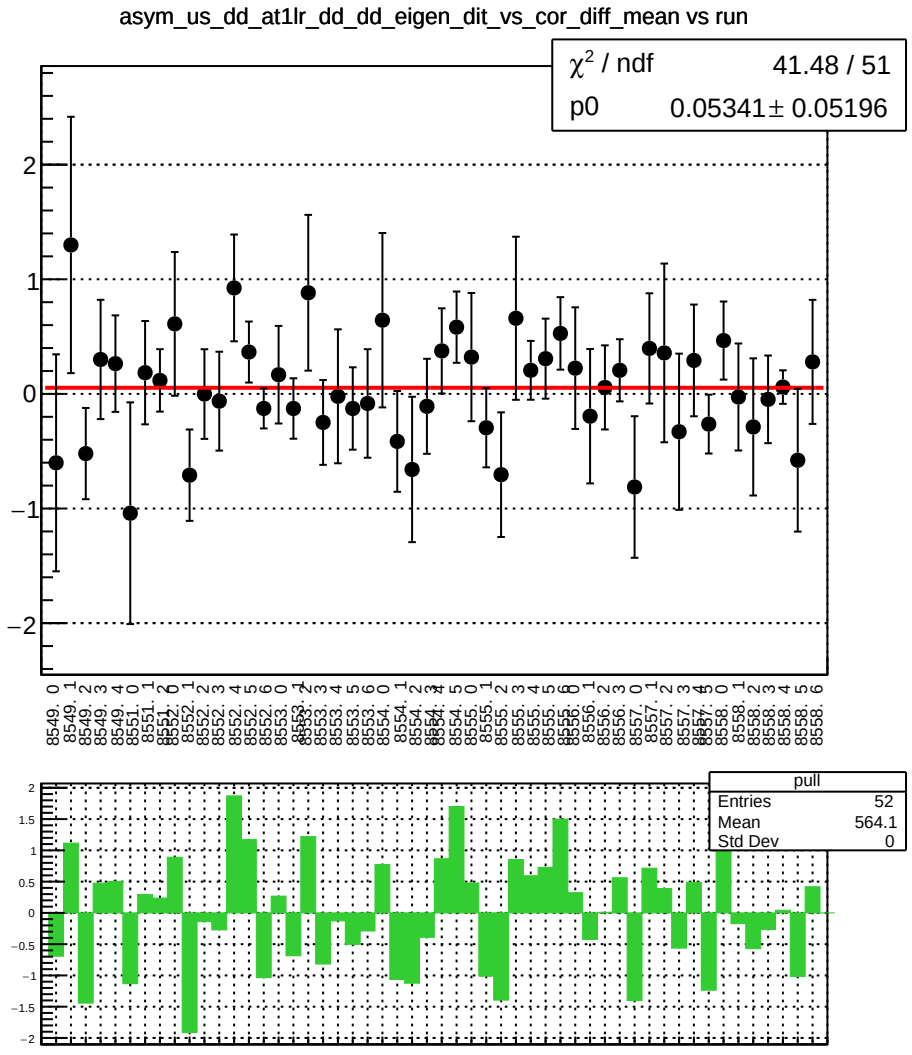

pull1D
Entries 52
Mean 0.0002086
Std Dev 0.8932

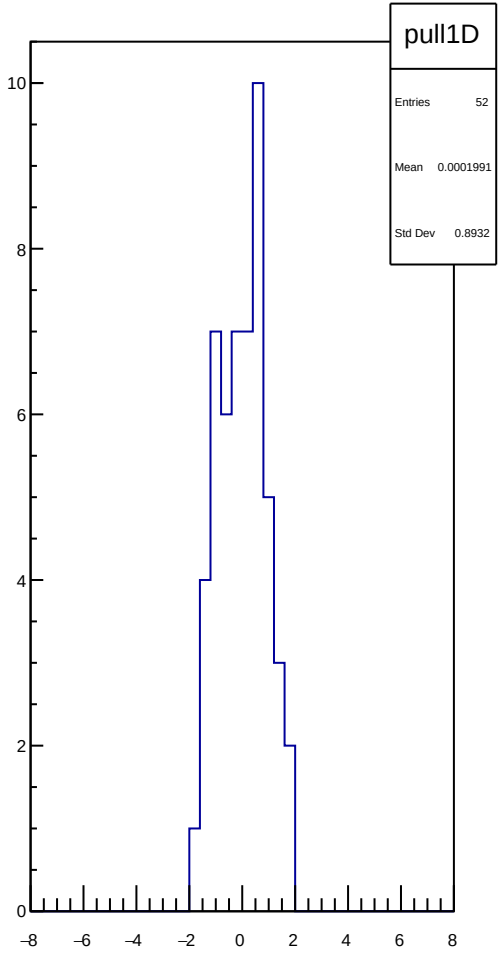

asym_us_dd_at1lr_dd_dd_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.471e+05 / 51
p0 34.46 ± 0.03674
100
80
60
40
20
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

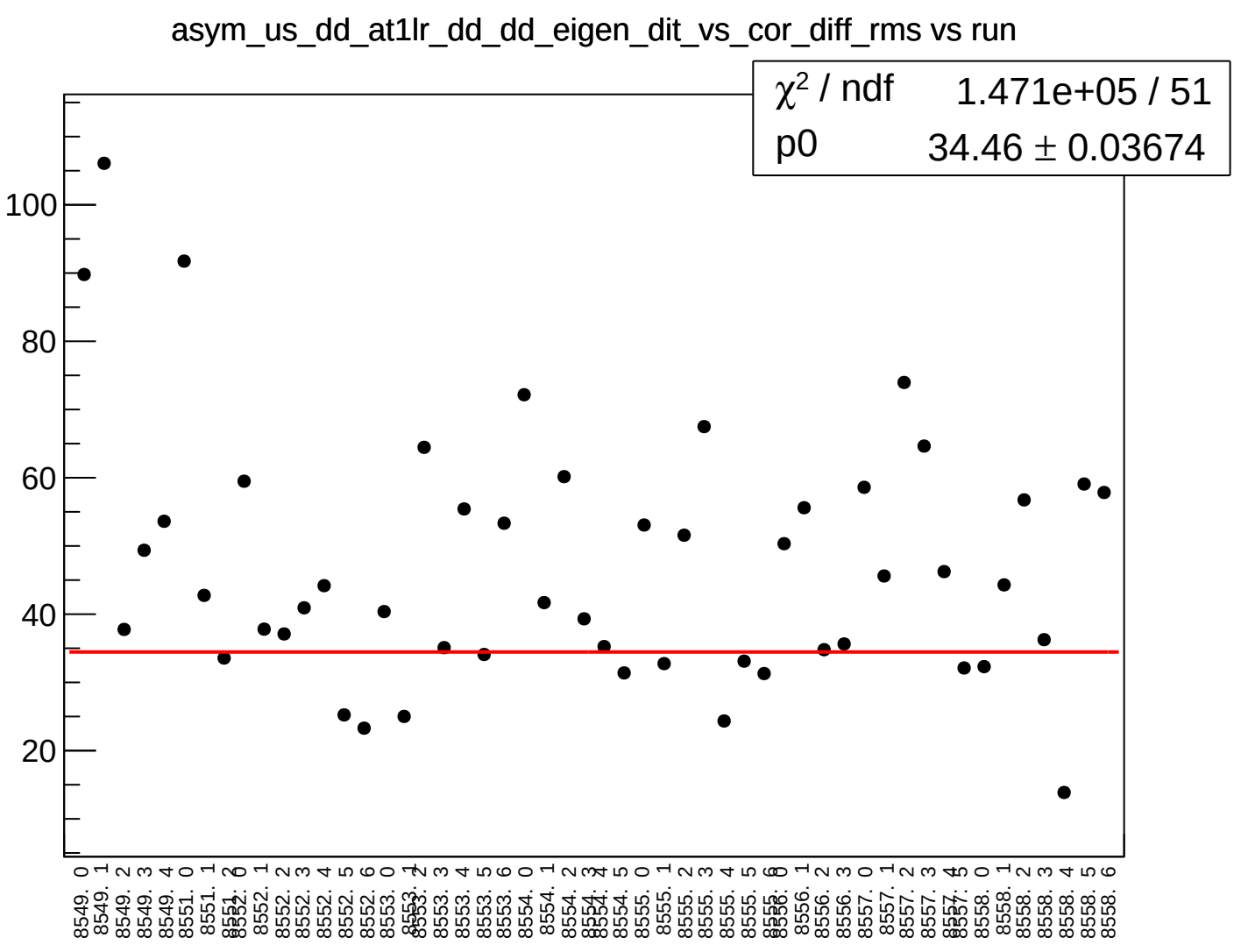

asym_us_dd_at1lr_dd_dd_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 56.27 / 51
p0 −9.121e−06 ± 8.359e−06
0.2
0.1
0
−0.1
−0.2
pull
Entries 52
Mean −2.18
Std Dev 0


pull1D
Entries 52
Mean −0.02102
Std Dev 1.04


asym_us_dd_at1lr_dd_dd_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 3240 / 51
p0 0.00598 ± 5.911e–06
0.007
0.0068
0.0066
0.0064
0.0062
0.006
0.0058
0.0056
0.0054
0.0052


asym_us_dd_at1lr_dd_dd_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 41.48 / 51
p0 0.05341 ± 0.05196
pull
Entries 52
Mean 564.1
Std Dev 0


pull1D
Entries 52
Mean 0.0001991
Std Dev 0.8932


asym_us_dd_at1lr_dd_dd_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 1.471e+05 / 51
p0 34.46 ± 0.03674
100
80
60
40
20
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
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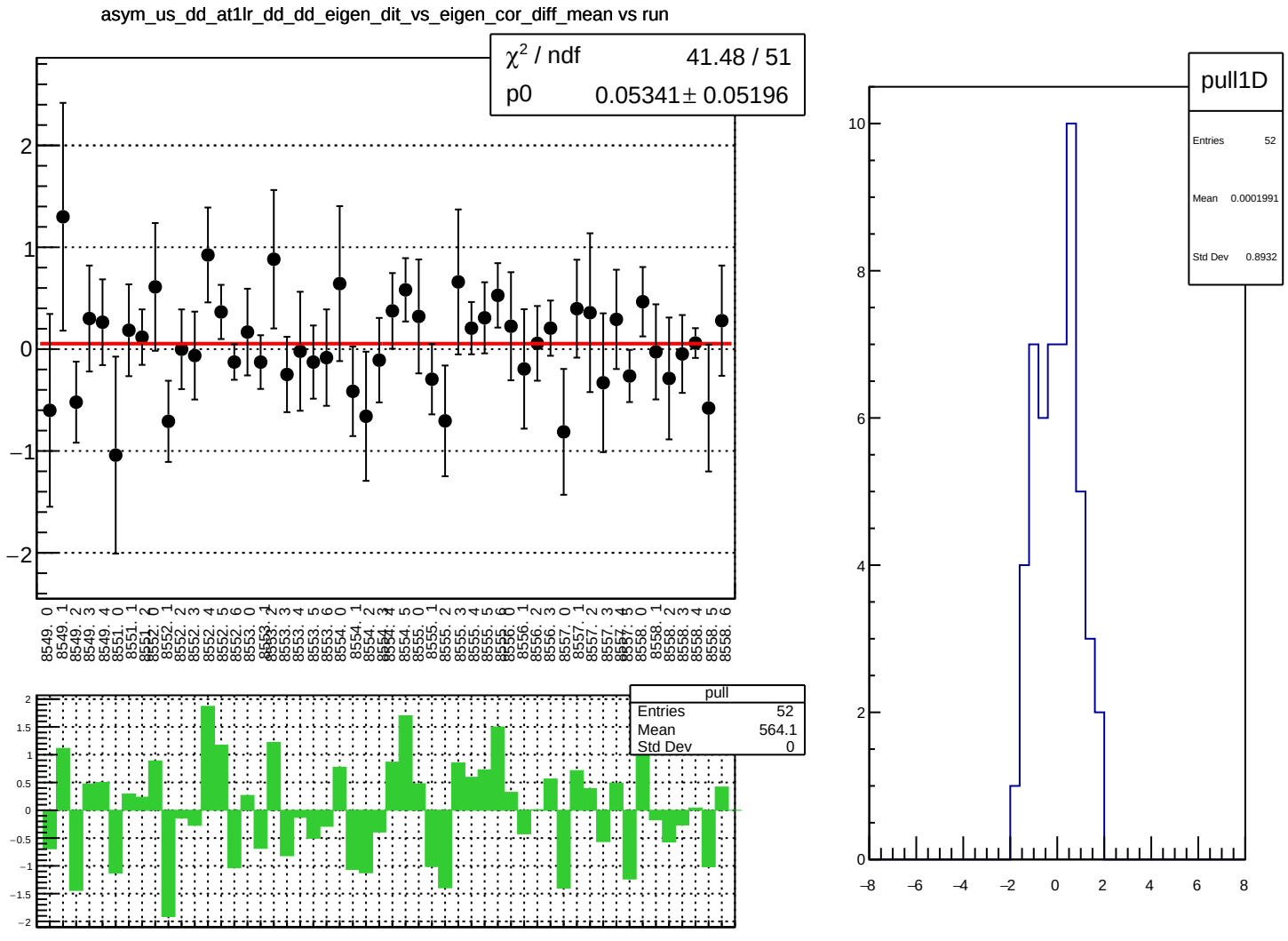
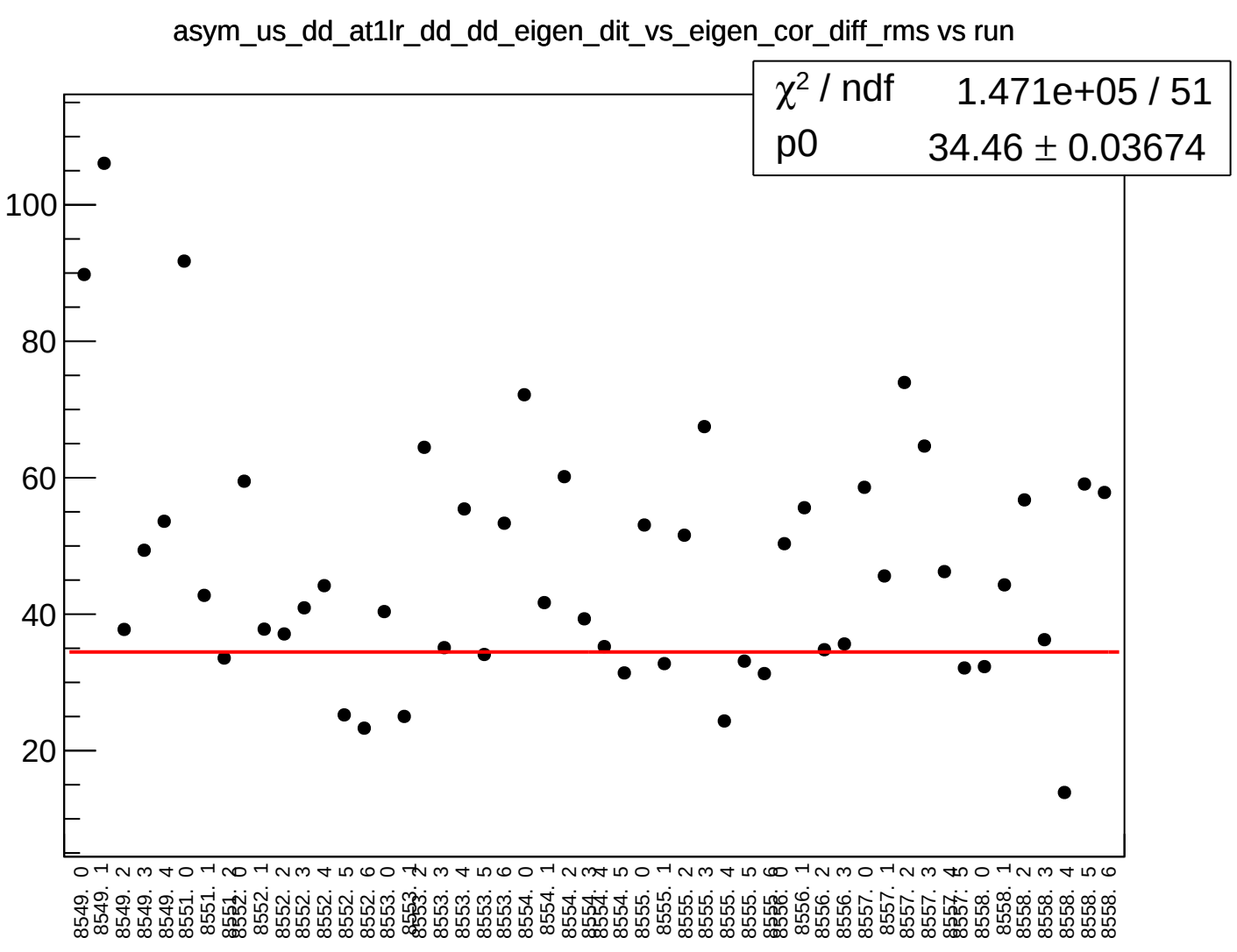
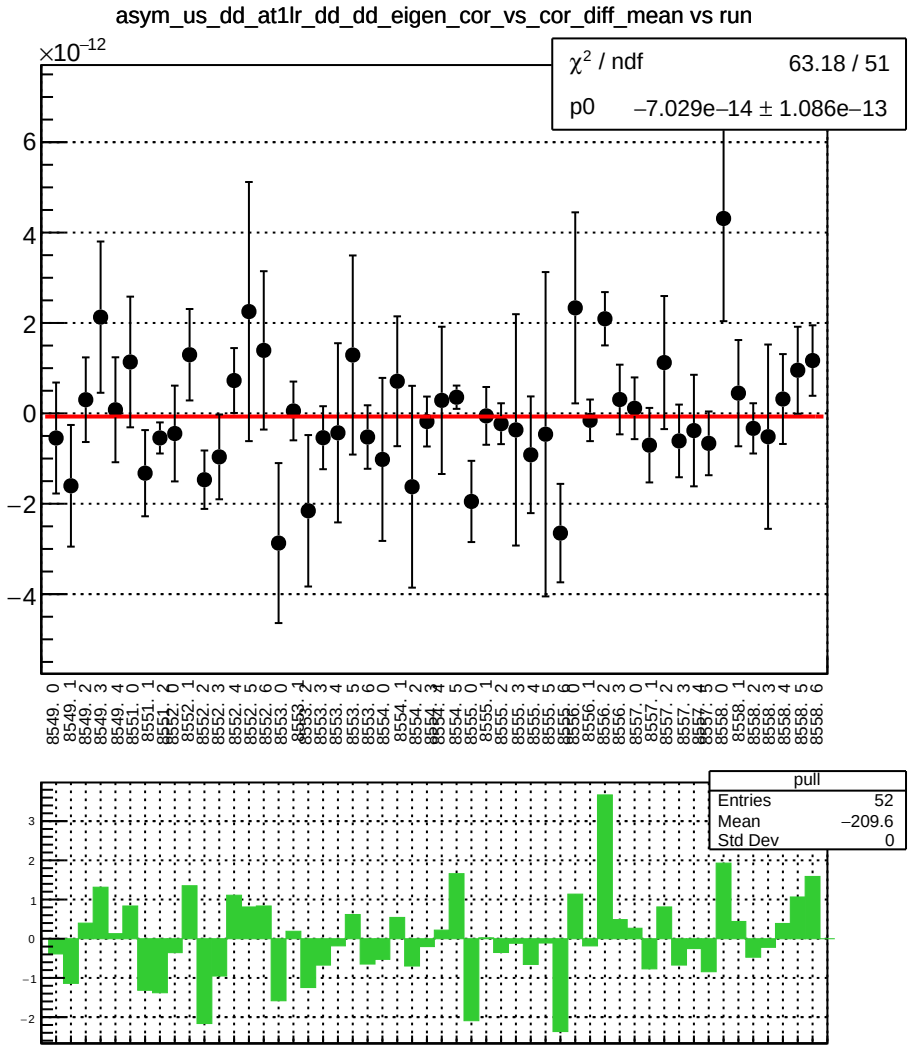
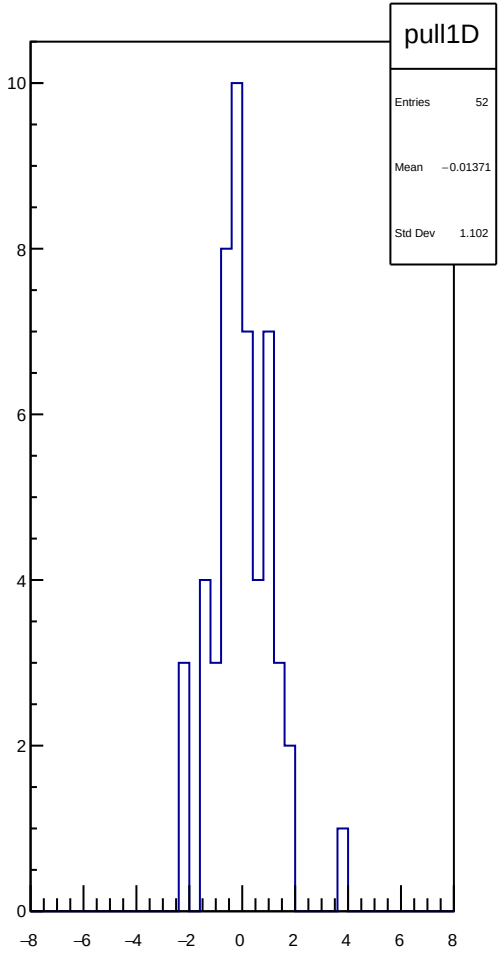
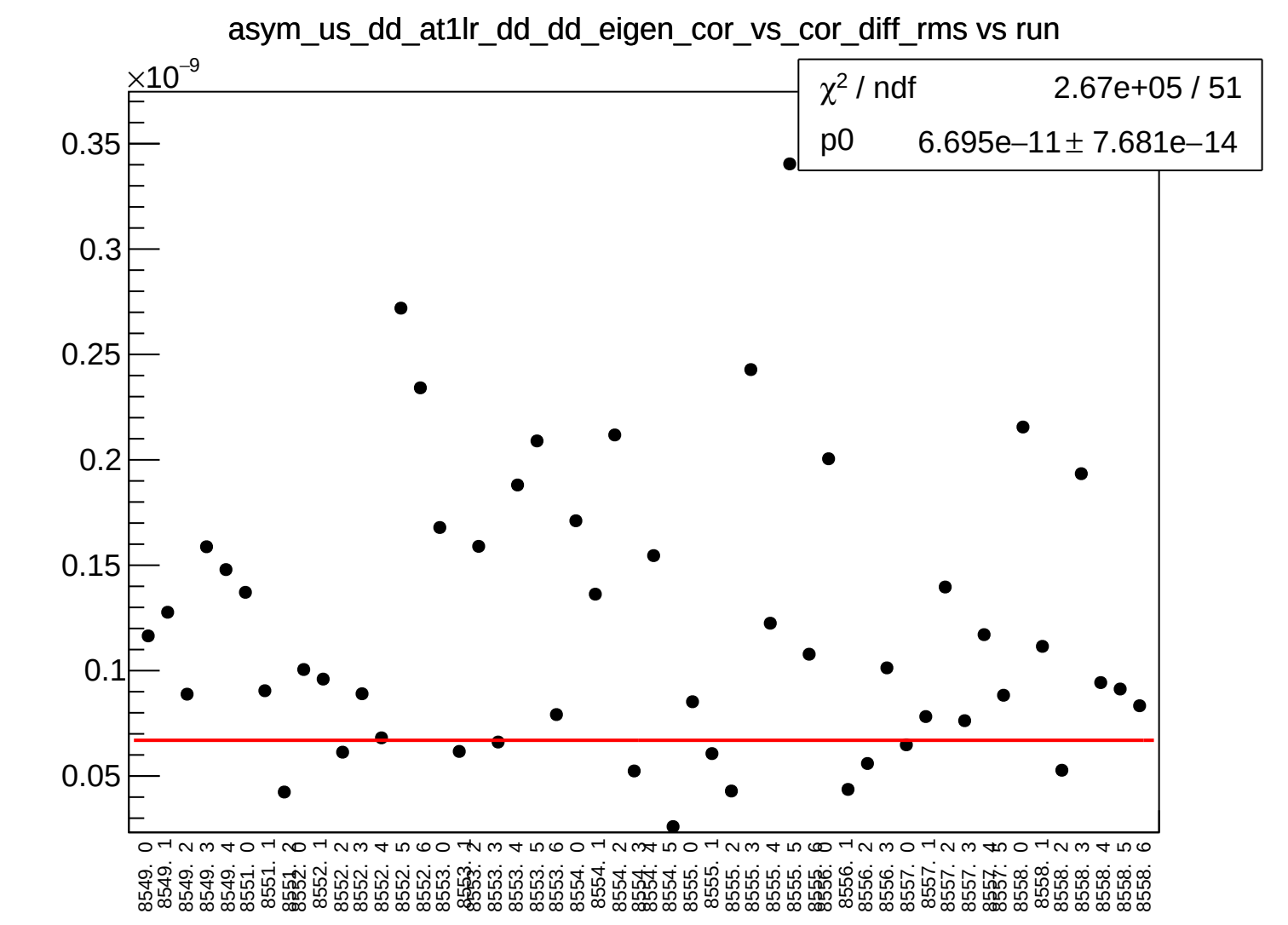
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

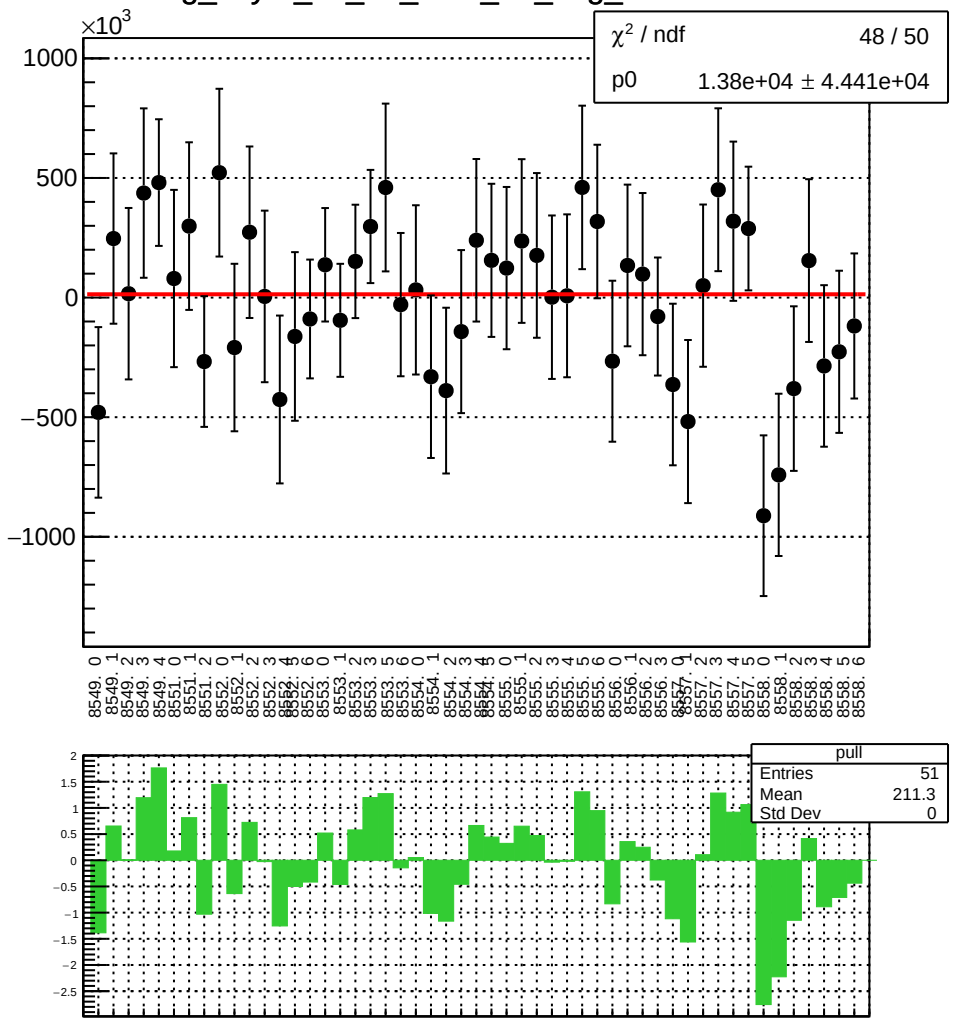

asym_us_dd_at1lr_dd_dd_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 41.48 / 51
p0 0.05341 ± 0.05196
pull
Entries 52
Mean 564.1
Std Dev 0
pull1D
Entries 52
Mean 0.0001991
Std Dev 0.8932

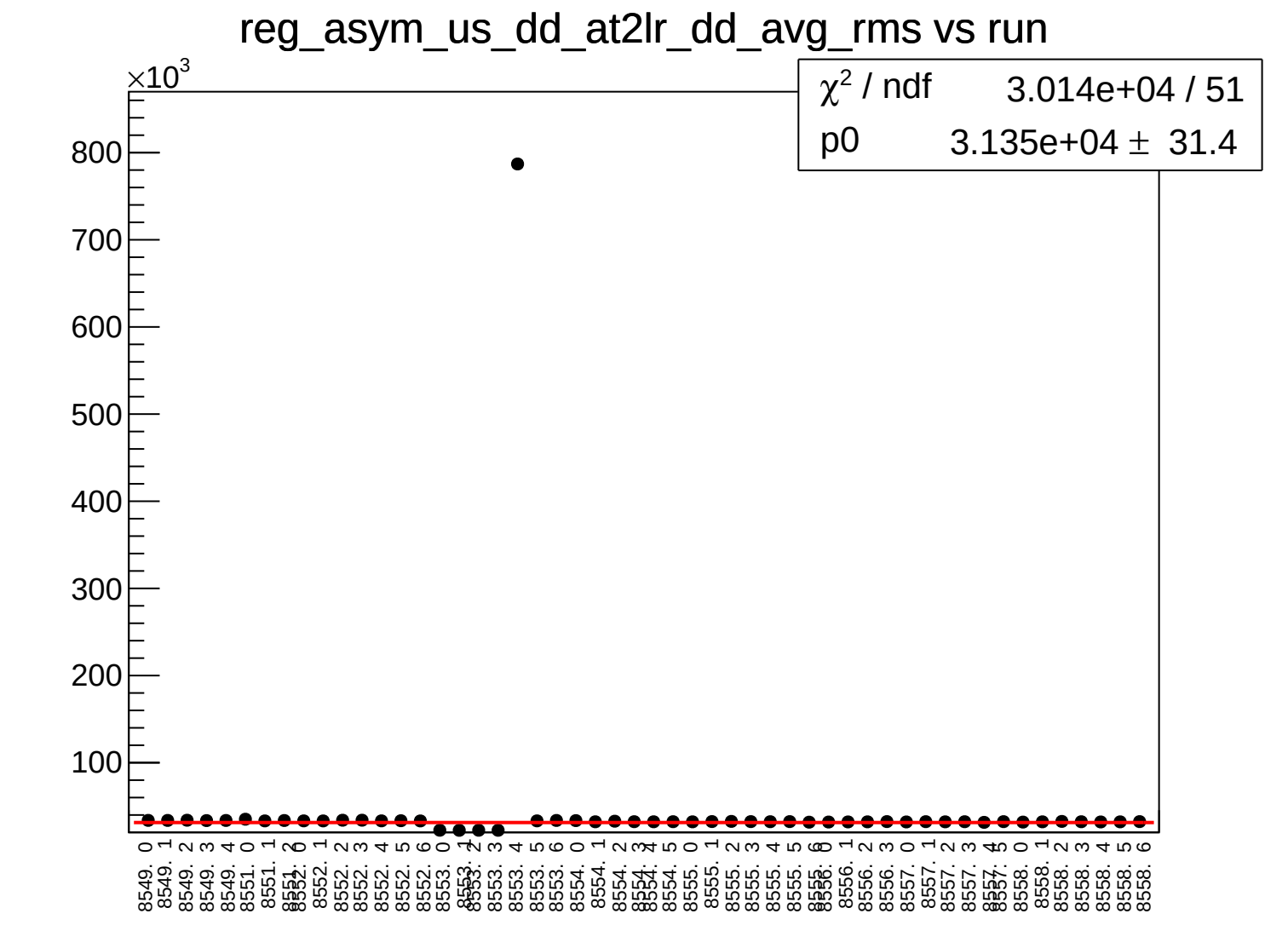

asym_us_dd_at1lr_dd_dd_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.471e+05 / 51
p0 34.46 ± 0.03674
100
80
60
40
20
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 5
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

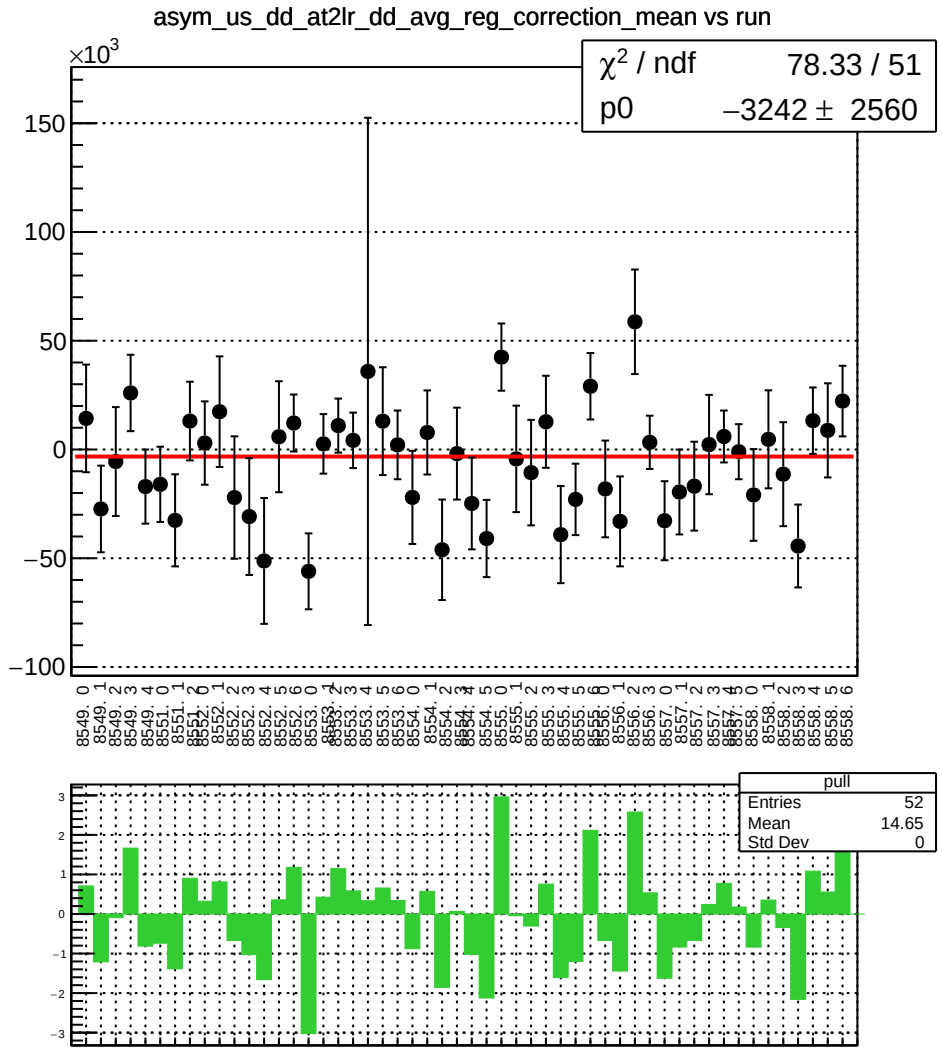

asym_us_dd_at1lr_dd_dd_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 63.18 / 51
p0 −7.029e−14 ± 1.086e−13
pull
Entries 52
Mean −209.6
Std Dev 0

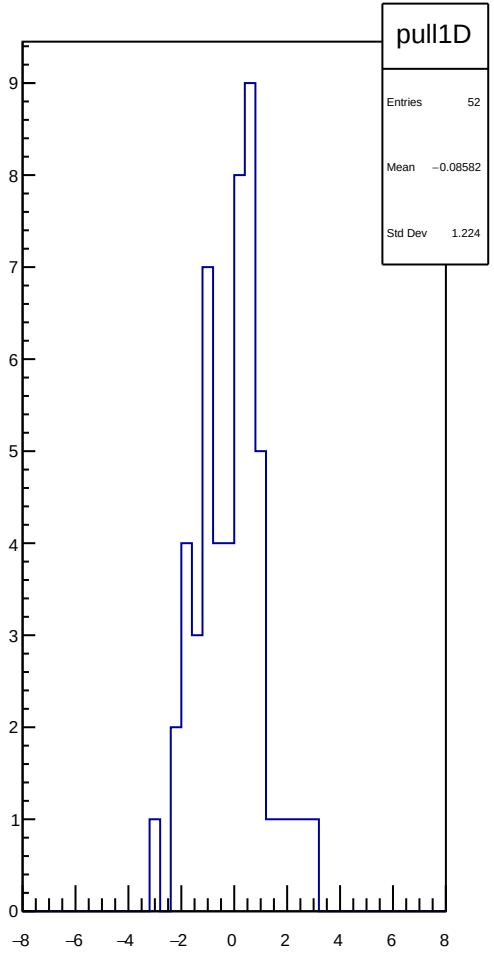

pull1D
Entries 52
Mean −0.01371
Std Dev 1.102

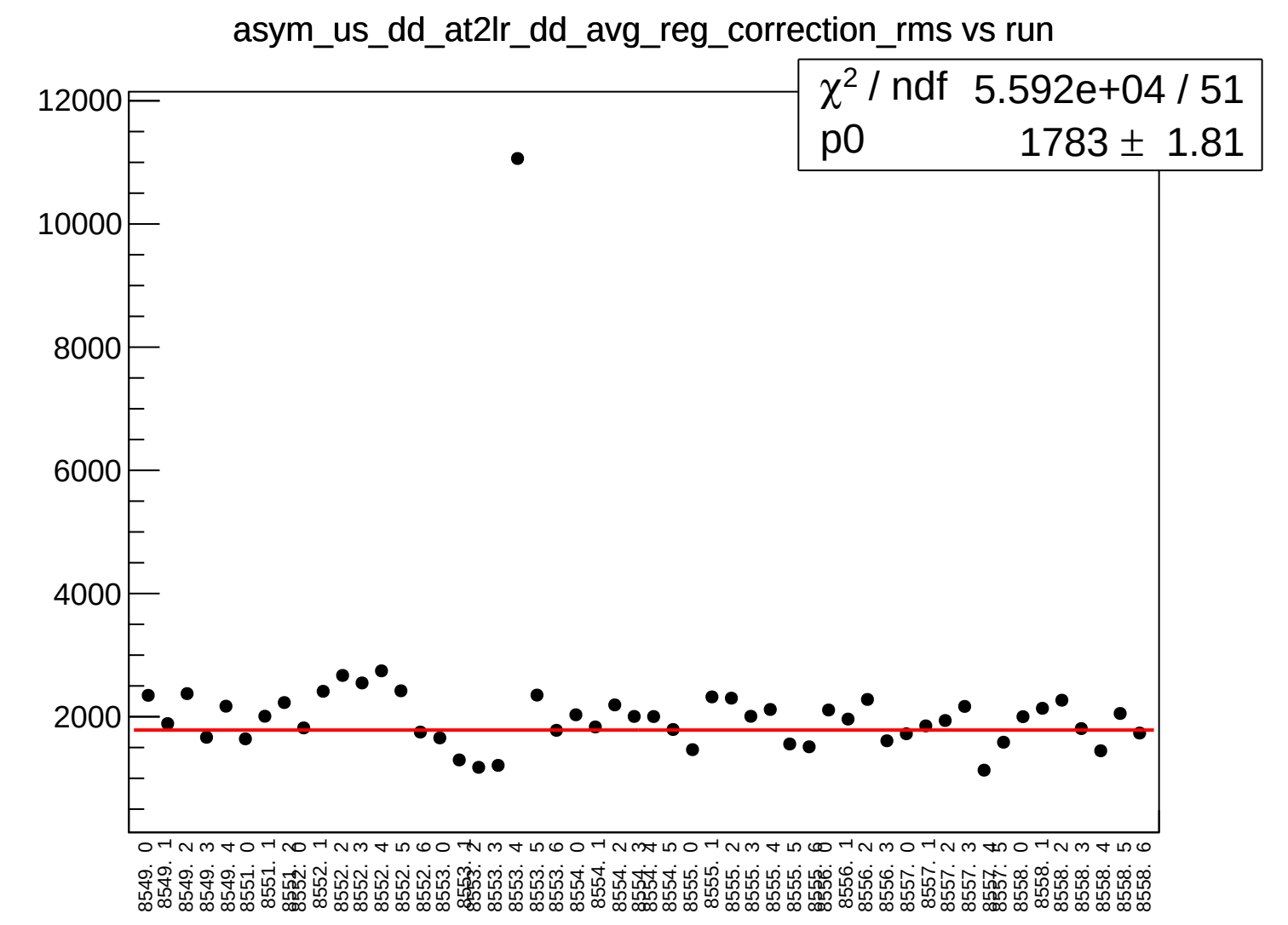

asym_us_dd_at1lr_dd_dd_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 2.67e+05 / 51
p0 6.695e−11 ± 7.681e−14
0.35
0.3
0.25
0.2
0.15
0.1
0.05
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

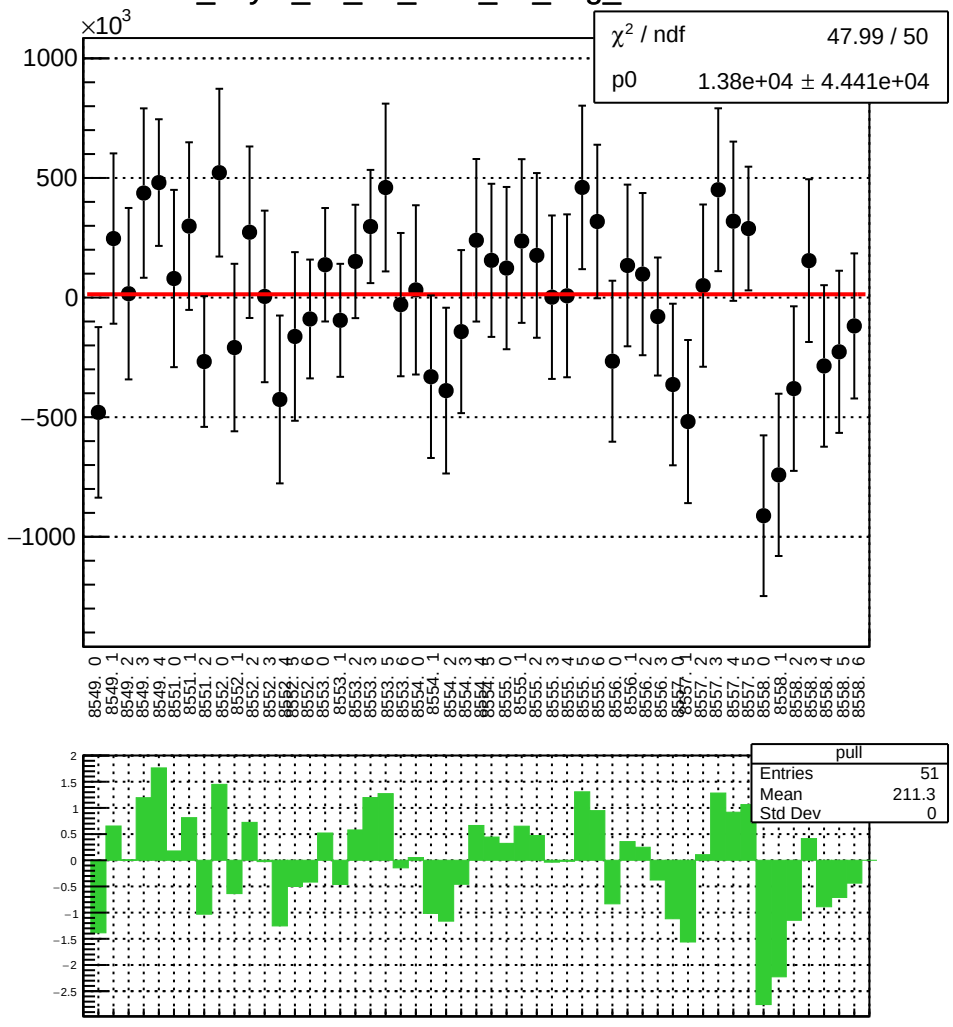

reg_asym_us_dd_at2lr_dd_avg_mean vs run
×10^3
χ² / ndf 48 / 50
p0 1.38e+04 ± 4.441e+04
pull
Entries 51
Mean 211.3
Std Dev 0
pull1D
Entries 51
Mean −0.01926
Std Dev 0.9699

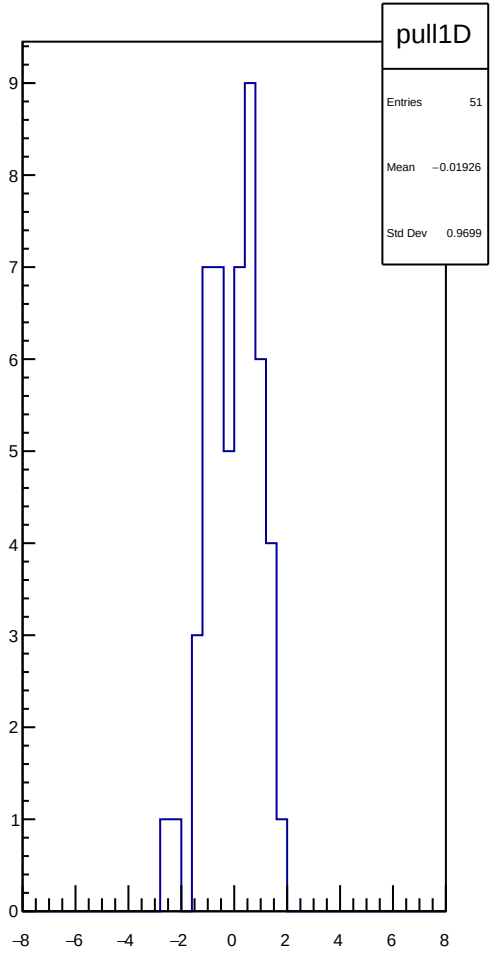

reg_asym_us_dd_at2lr_dd_avg_rms vs run
×10^3
800
700
600
500
400
300
200
100
χ² / ndf 3.014e+04 / 51
p0 3.135e+04 ± 31.4
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 0
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 1
8553. 2
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 5
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

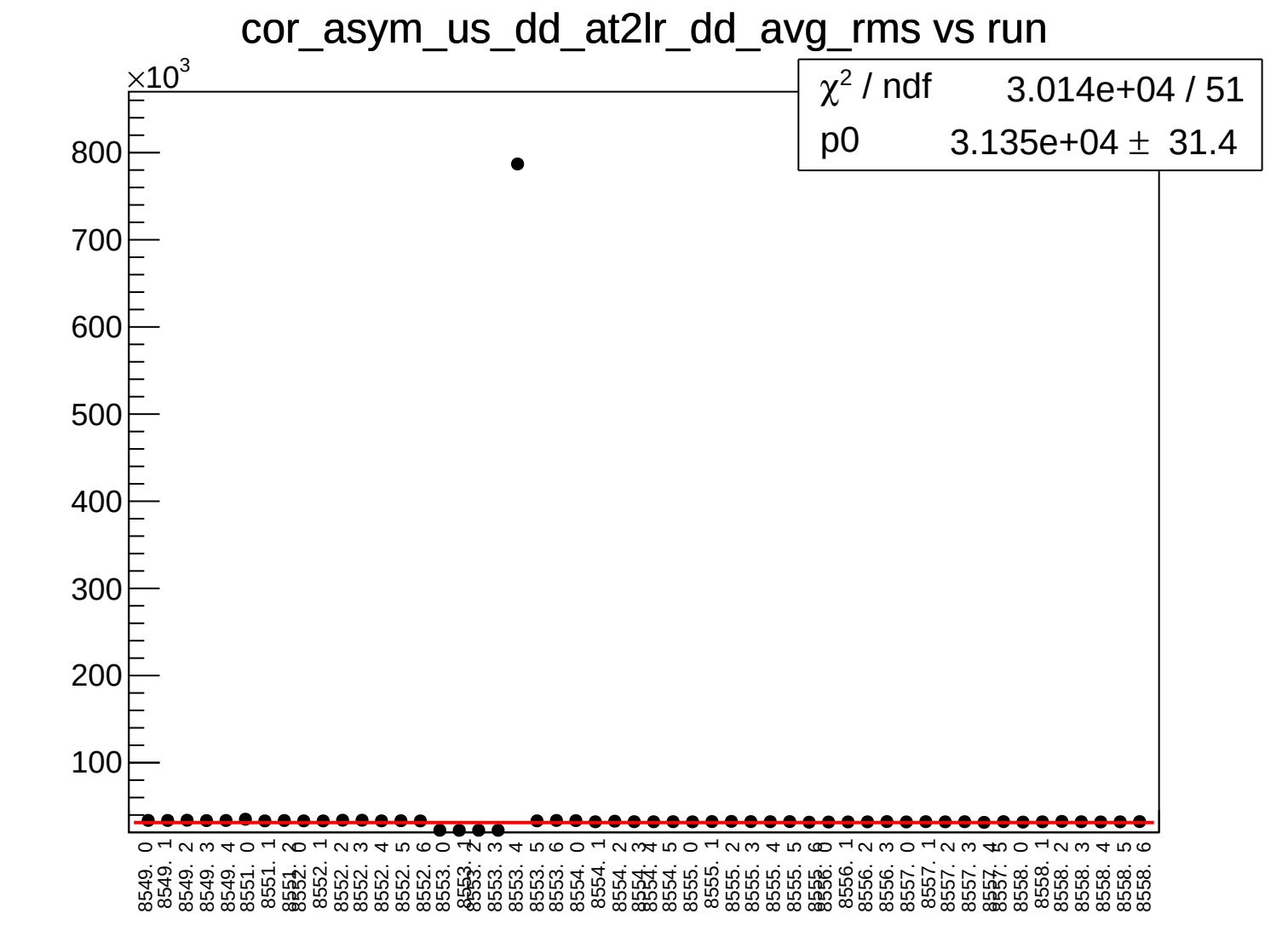

asym_us_dd_at2lr_dd_avg_reg_correction_mean vs run
χ² / ndf 78.33 / 51
p0 −3242 ± 2560
×10³
150
100
50
0
−50
−100
pull
Entries 52
Mean 14.65
Std Dev 0

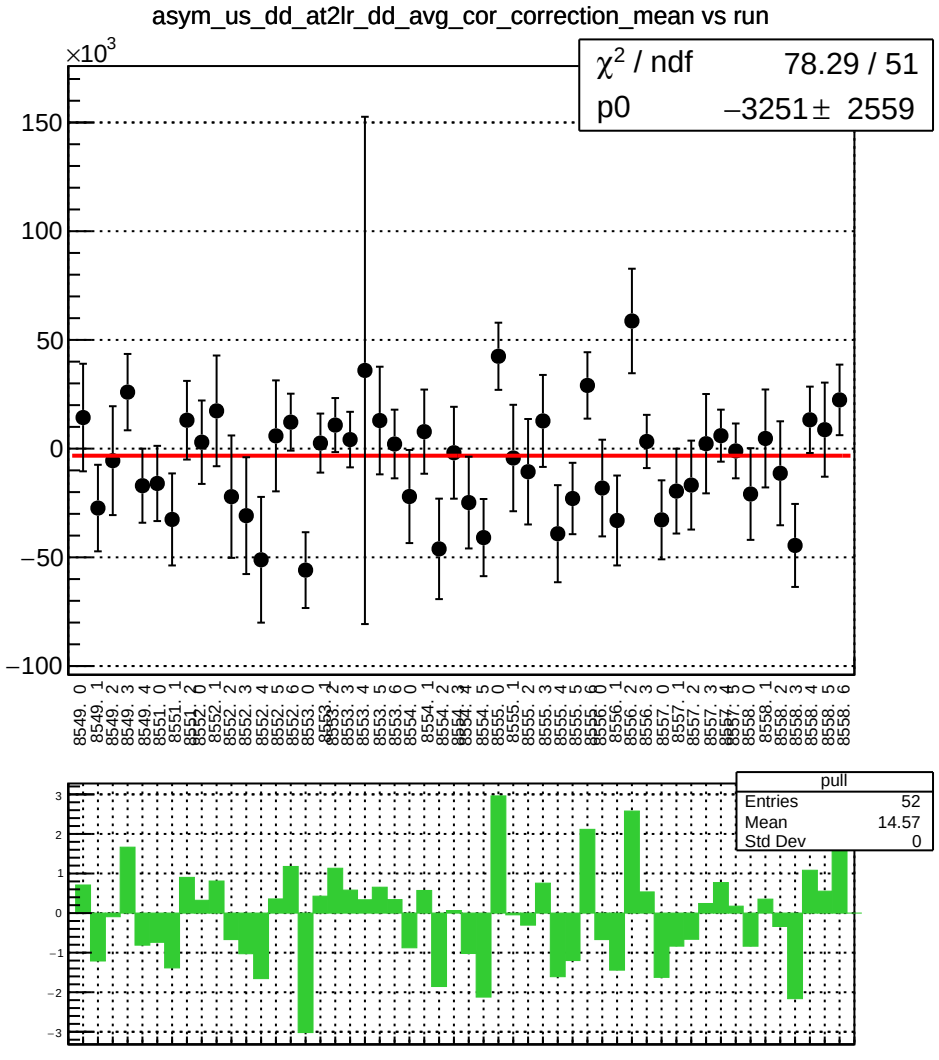

pull1D
Entries 52
Mean −0.08582
Std Dev 1.224

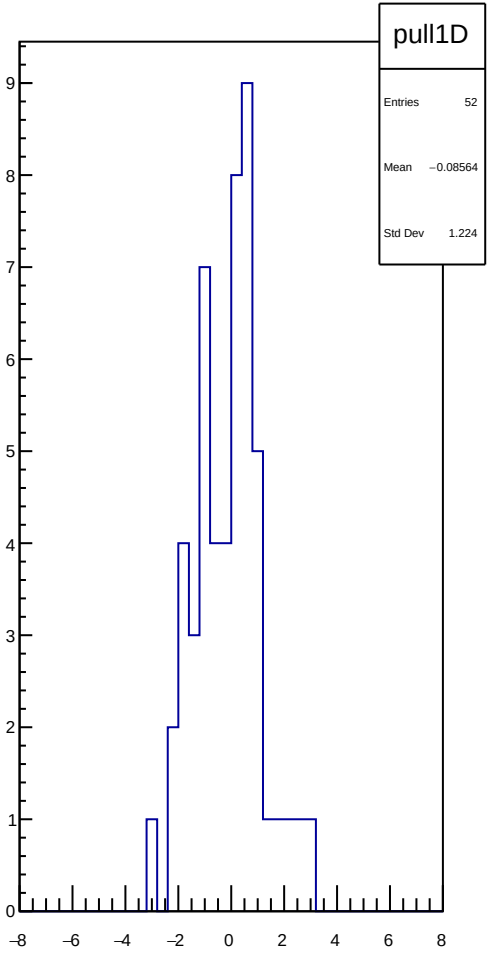

asym_us_dd_at2lr_dd_avg_reg_correction_rms vs run
χ² / ndf 5.592e+04 / 51
p0 1783 ± 1.81
12000
10000
8000
6000
4000
2000
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8551. 2
8551. 3
8552. 0
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 1
8553. 2
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 3
8554. 4
8554. 5
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8555. 6
8556. 0
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8557. 4
8557. 5
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

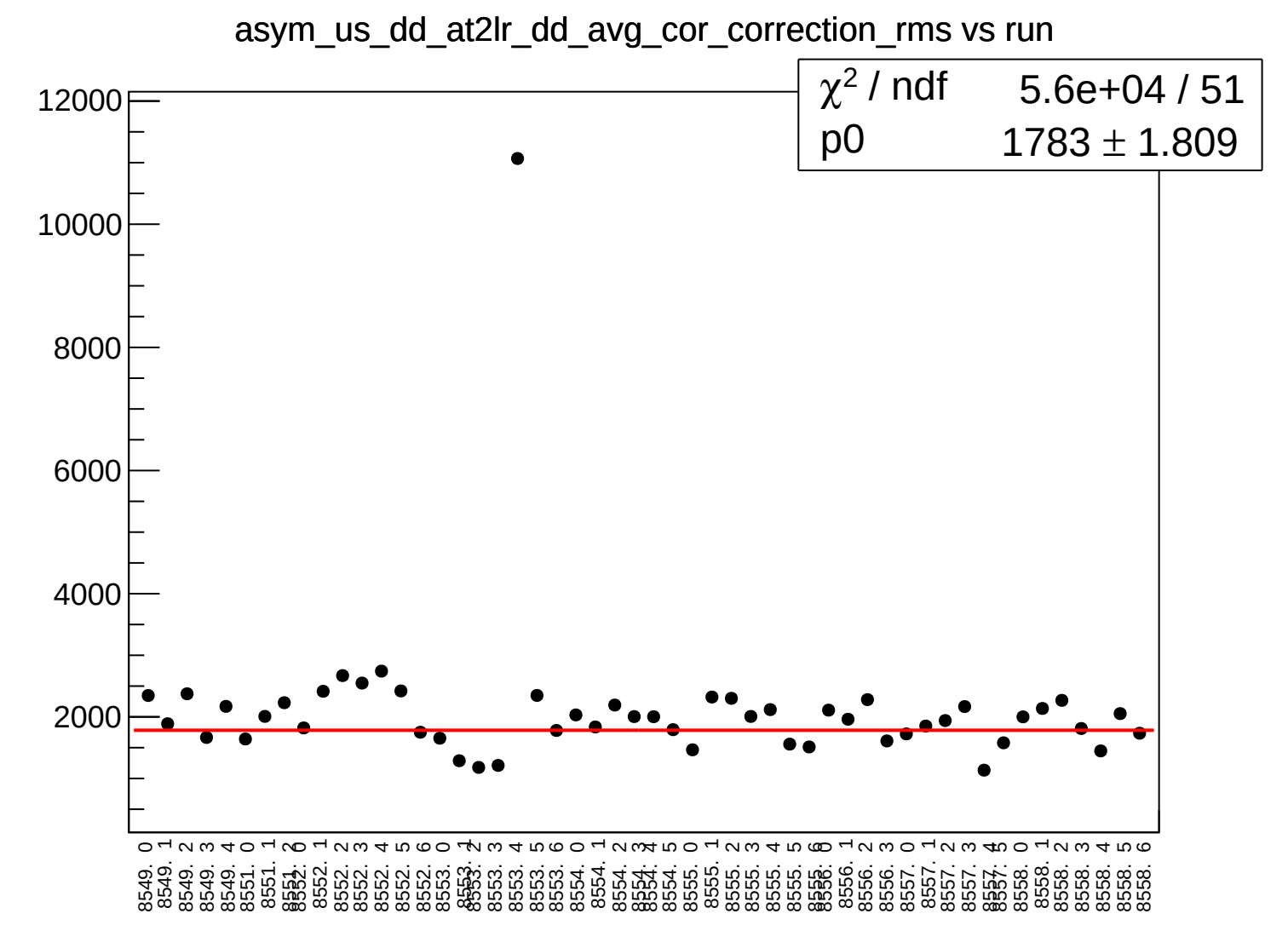

cor_asym_us_dd_at2lr_dd_avg_mean vs run
×10^3
χ² / ndf 47.99 / 50
p0 1.38e+04 ± 4.441e+04
1000
500
0
−500
−1000
pull
Entries 51
Mean 211.3
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

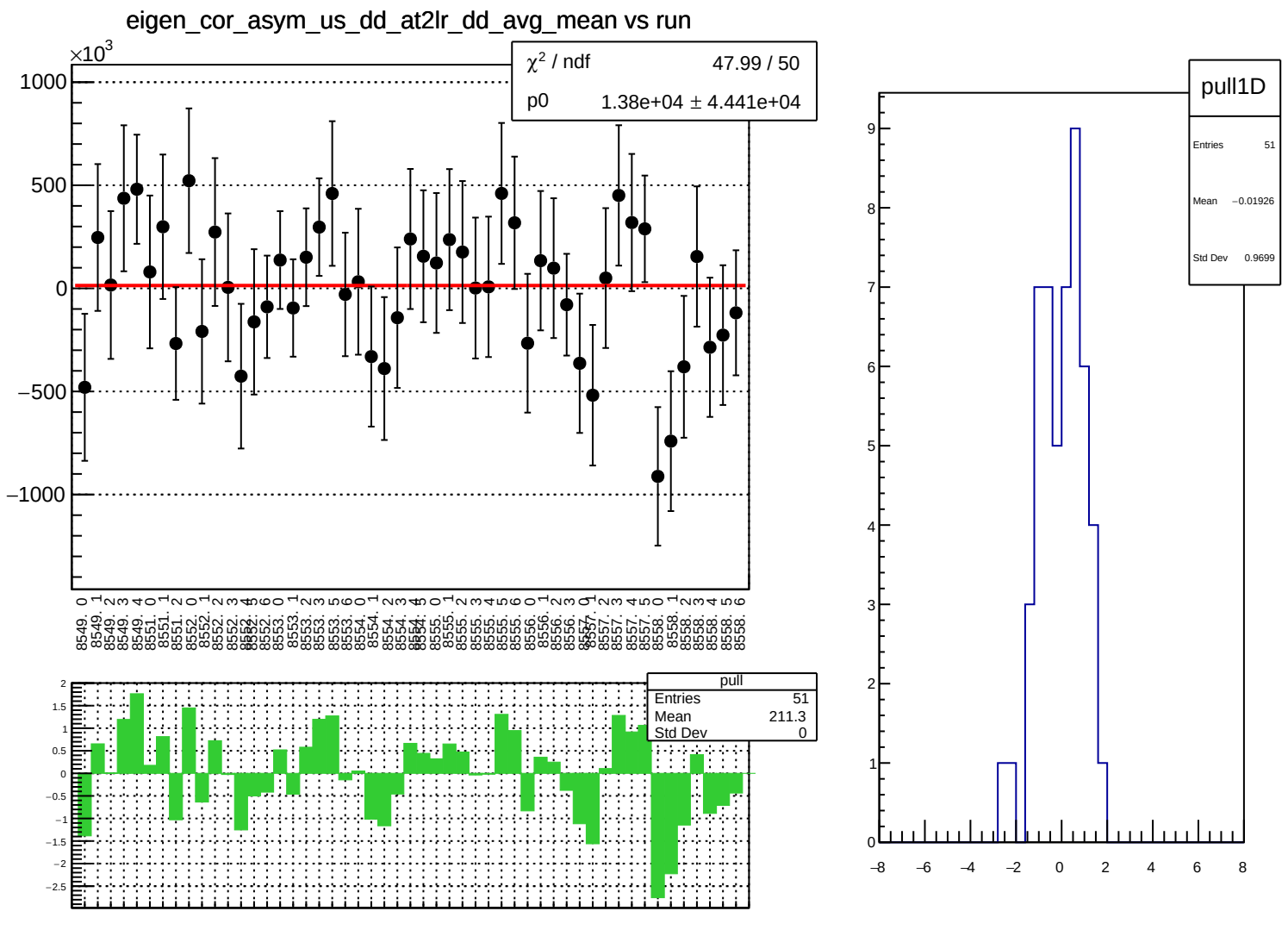

pull1D
Entries 51
Mean −0.01926
Std Dev 0.9699
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

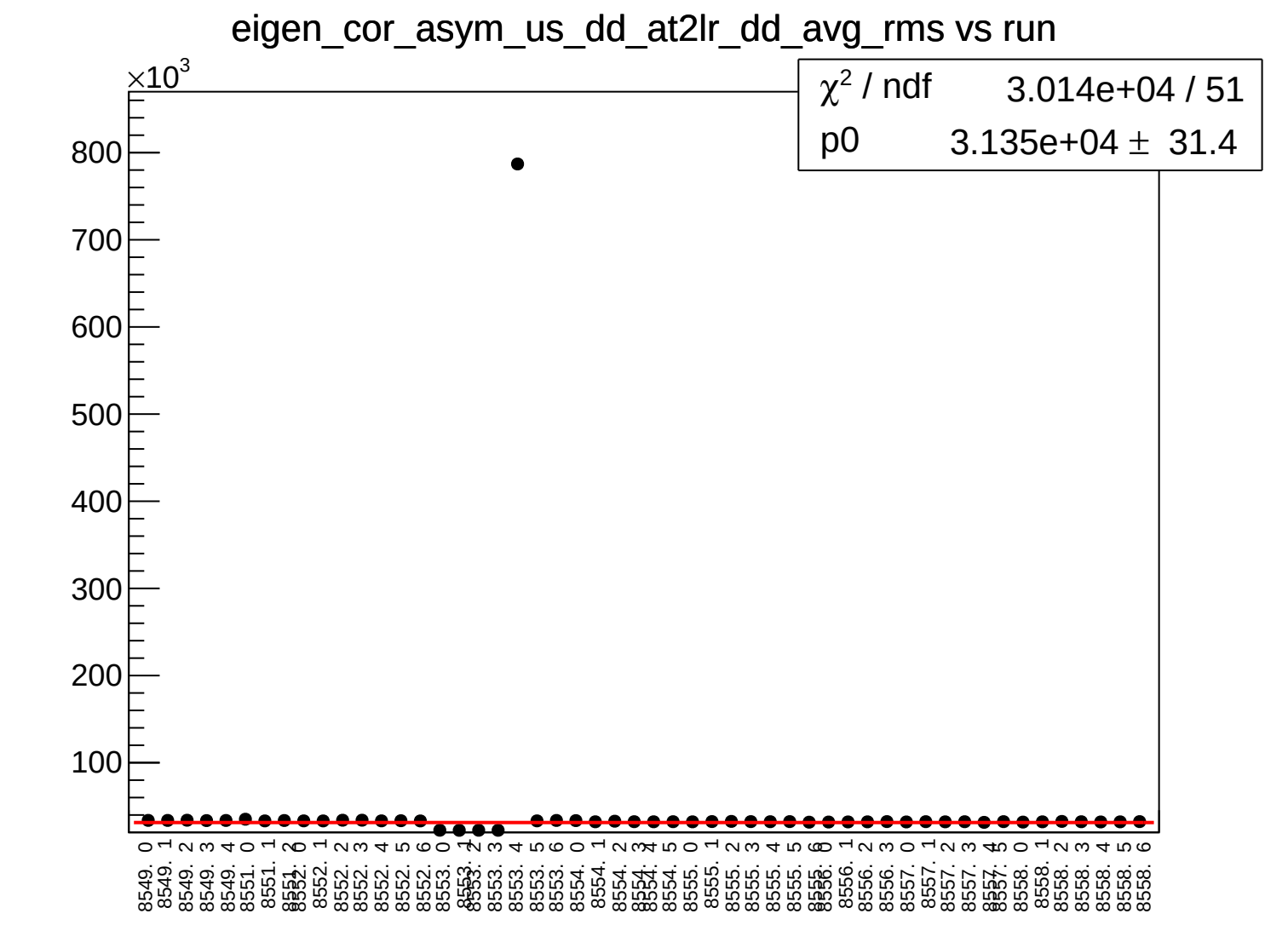

cor_asym_us_dd_at2lr_dd_avg_rms vs run
×10^3
800
700
600
500
400
300
200
100
χ² / ndf 3.014e+04 / 51
p0 3.135e+04 ± 31.4
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 5
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

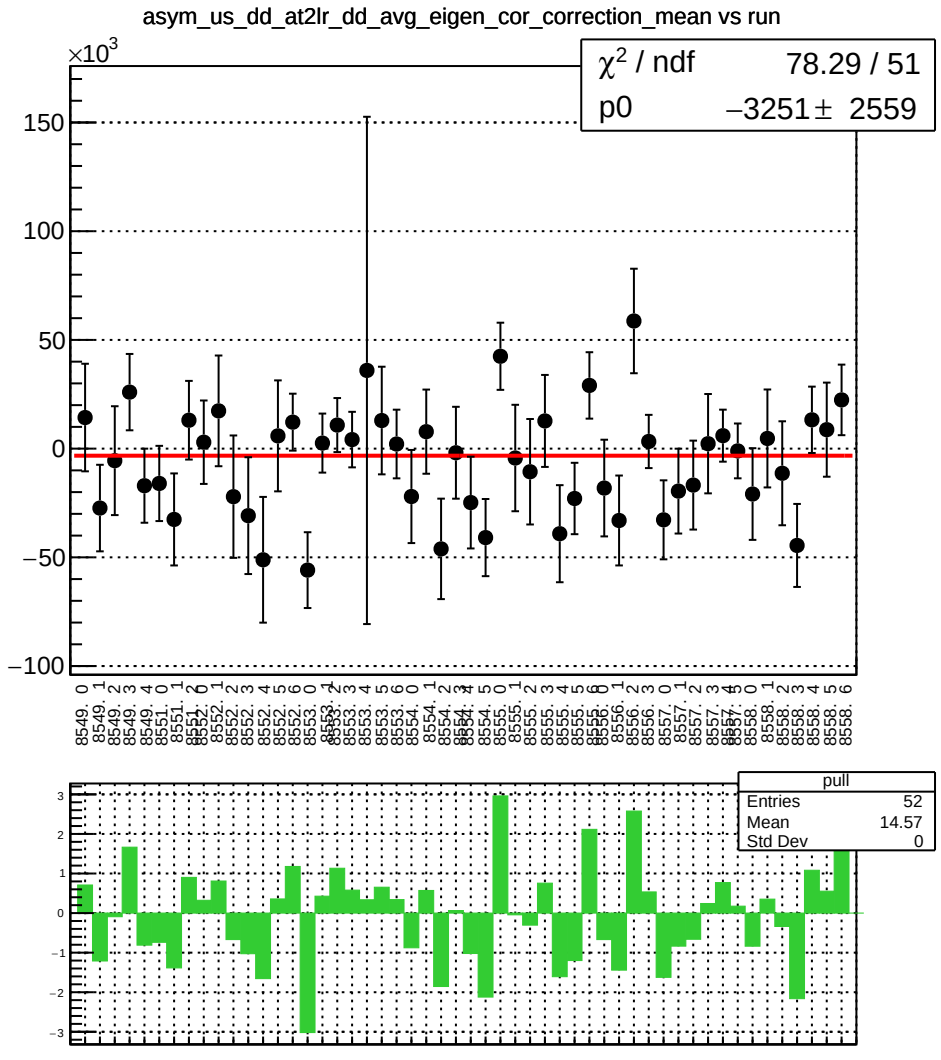

asym_us_dd_at2lr_dd_avg_cor_correction_mean vs run
×10^3
χ^2 / ndf 78.29 / 51
p0 −3251 ± 2559
150
100
50
0
−50
−100
pull
Entries 52
Mean 14.57
Std Dev 0
3
2
1
0
−1
−2
−3

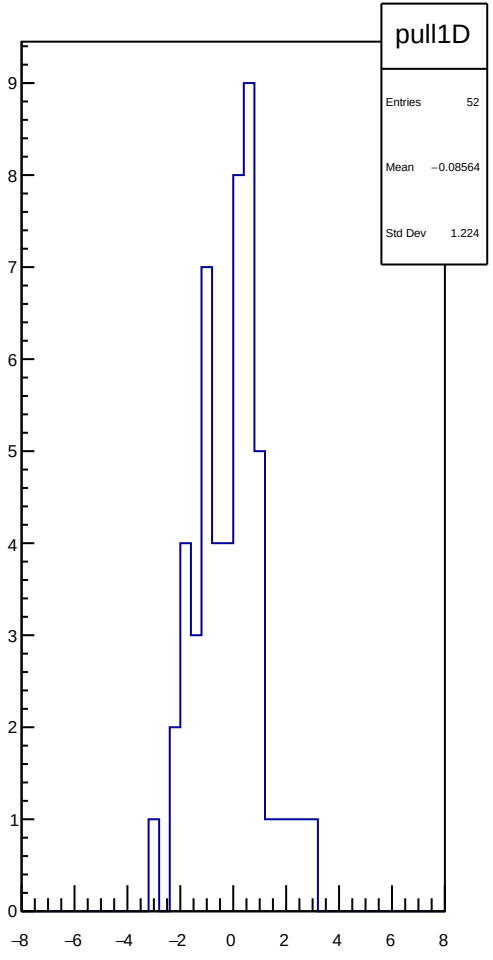

pull1D
Entries 52
Mean −0.08564
Std Dev 1.224
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

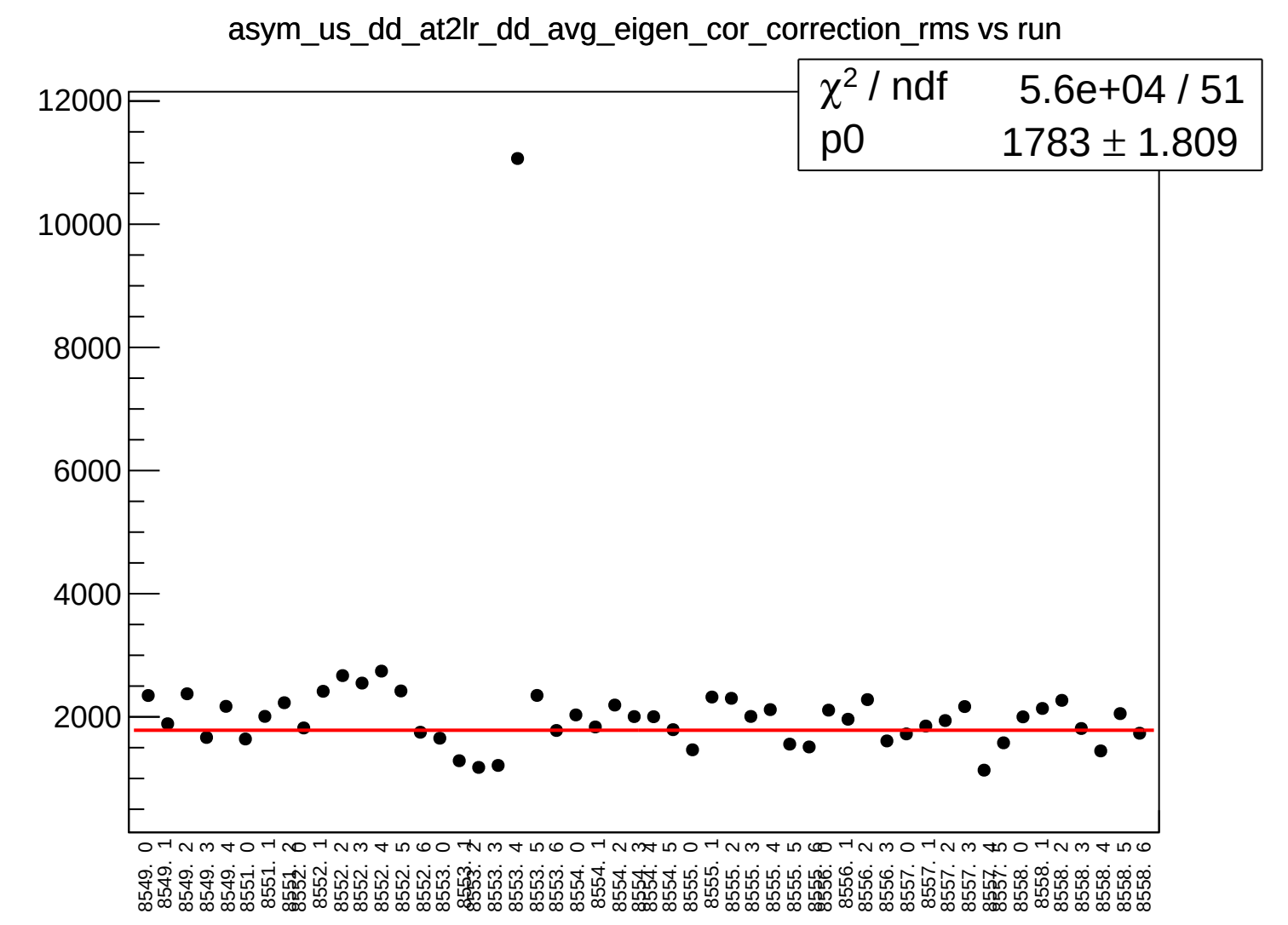

asym_us_dd_at2lr_dd_avg_cor_correction_rms vs run
χ² / ndf 5.6e+04 / 51
p0 1783 ± 1.809
12000
10000
8000
6000
4000
2000
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 5
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

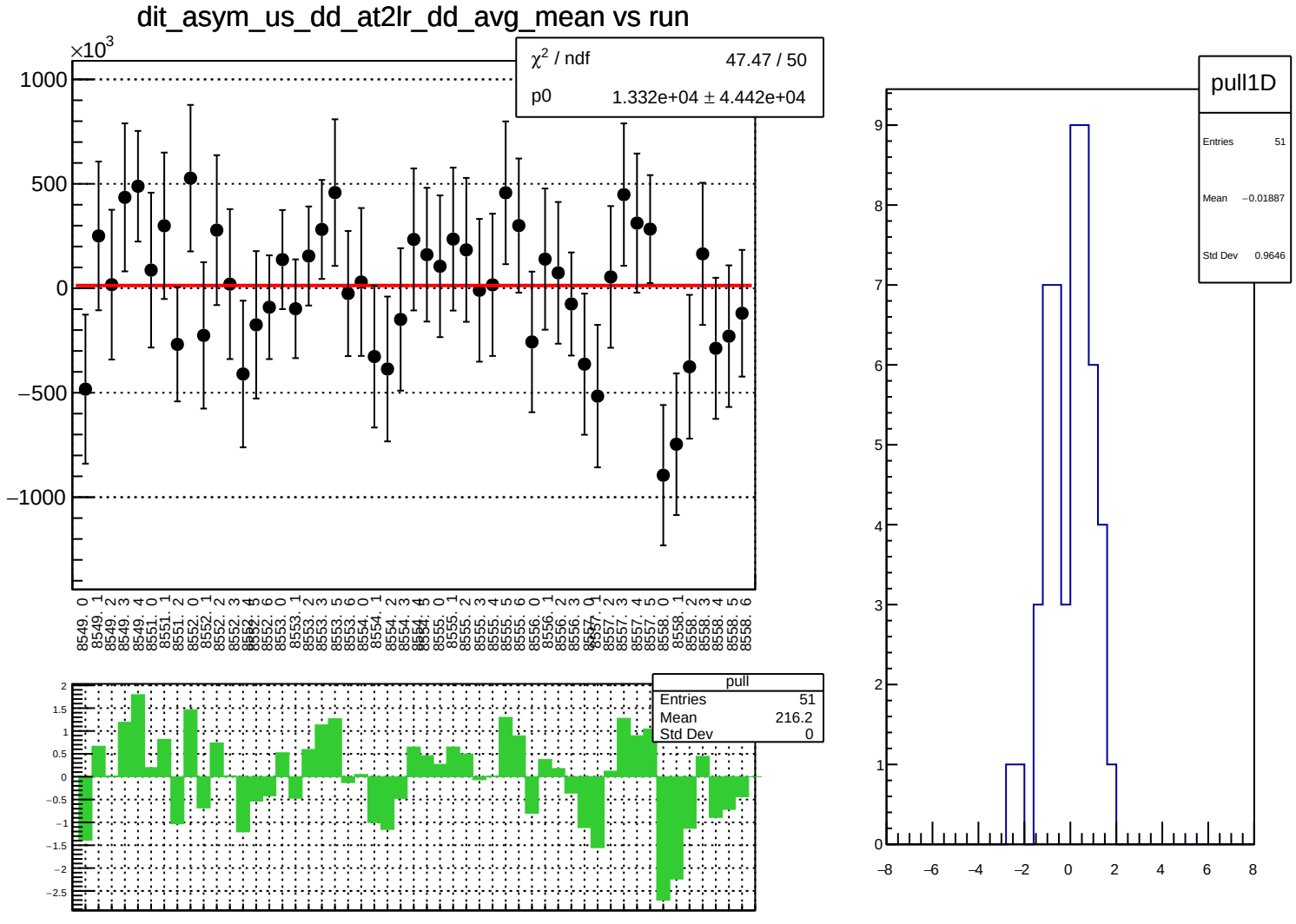

eigen_cor_asym_us_dd_at2lr_dd_avg_mean vs run
×10^3
χ² / ndf 47.99 / 50
p0 1.38e+04 ± 4.441e+04
1000
500
0
−500
−1000
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8551. 2
8552. 0
8552. 1
8552. 2
8552. 3
8552. 4
8552. 6
8553. 0
8553. 1
8553. 2
8553. 3
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 3
8554. 4
8554. 5
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8555. 6
8556. 0
8556. 1
8556. 2
8556. 3
8556. 4
8557. 0
8557. 1
8557. 2
8557. 3
8557. 4
8557. 5
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6
pull
Entries 51
Mean 211.3
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5
pull1D
Entries 51
Mean −0.01926
Std Dev 0.9699
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

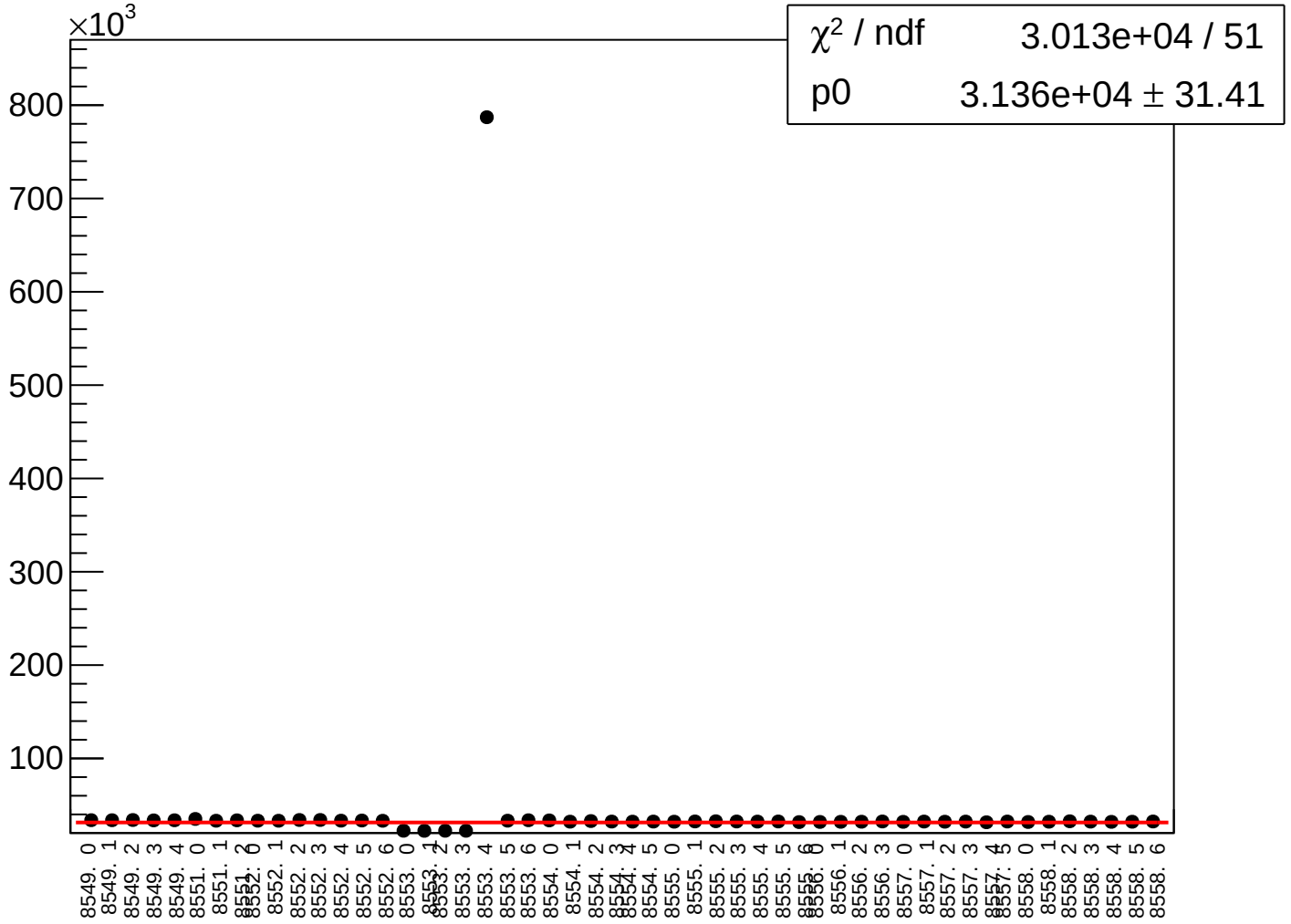

eigen_cor_asym_us_dd_at2lr_dd_avg_rms vs run
χ² / ndf 3.014e+04 / 51
p0 3.135e+04 ± 31.4
×10³
800
700
600
500
400
300
200
100
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 0
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 1
8553. 2
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 3
8554. 4
8554. 5
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

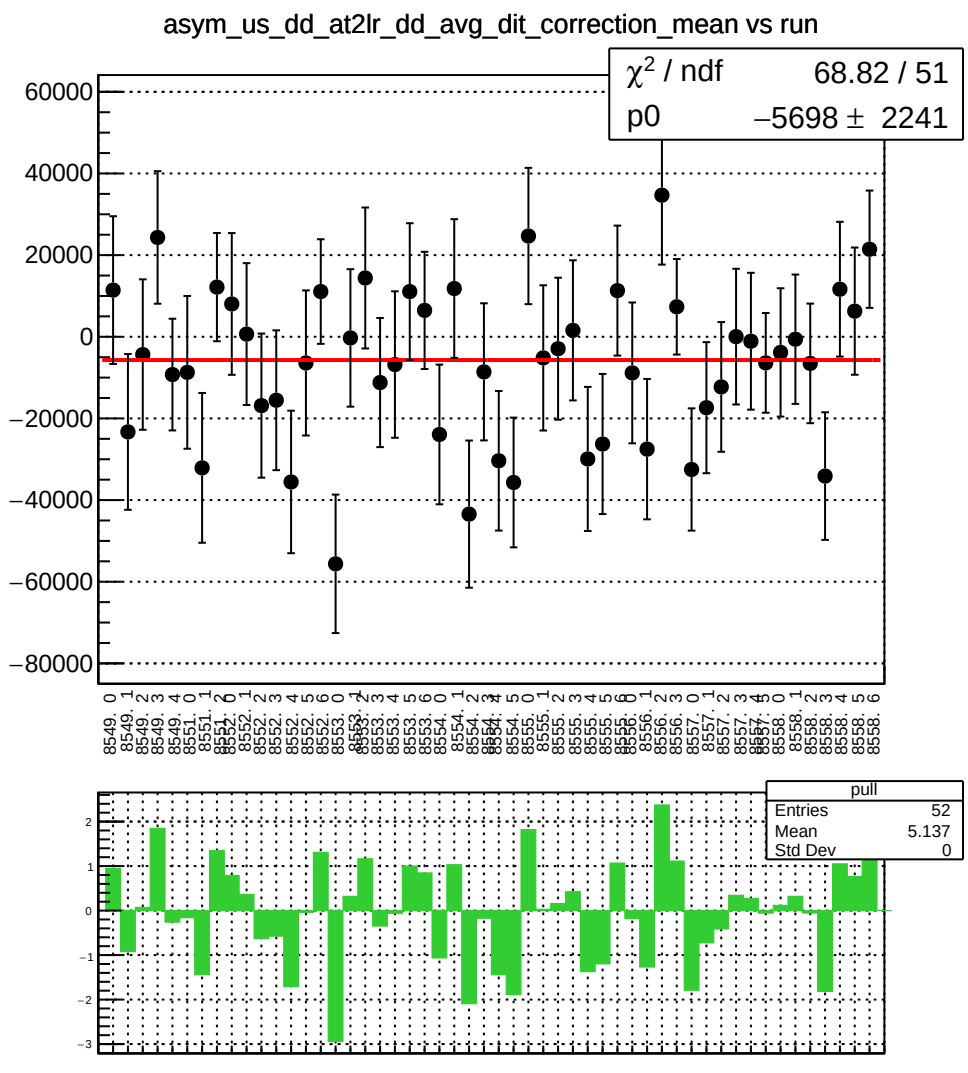

asym_us_dd_at2lr_dd_avg_eigen_cor_correction_mean vs run
×10^3
χ^2 / ndf 78.29 / 51
p0 −3251 ± 2559
150
100
50
0
−50
−100
pull
Entries 52
Mean 14.57
Std Dev 0
3
2
1
0
−1
−2
−3

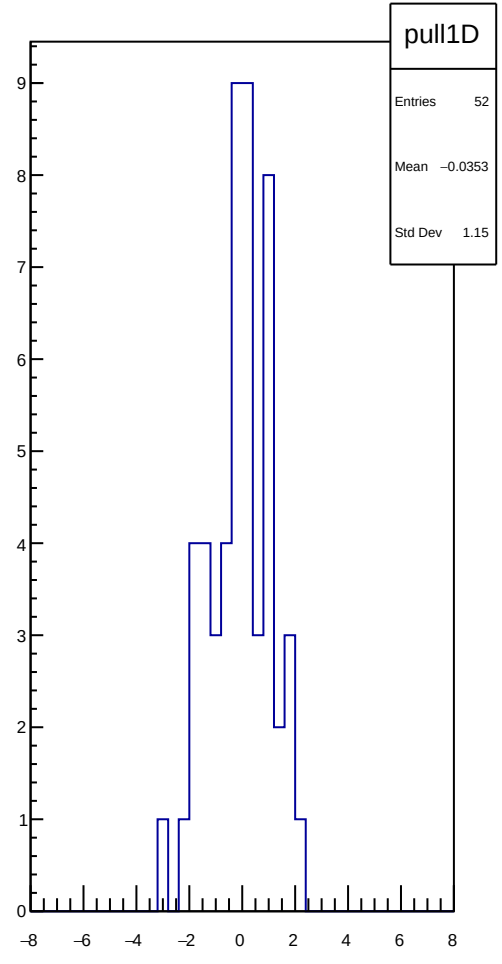

pull1D
Entries 52
Mean −0.08564
Std Dev 1.224
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

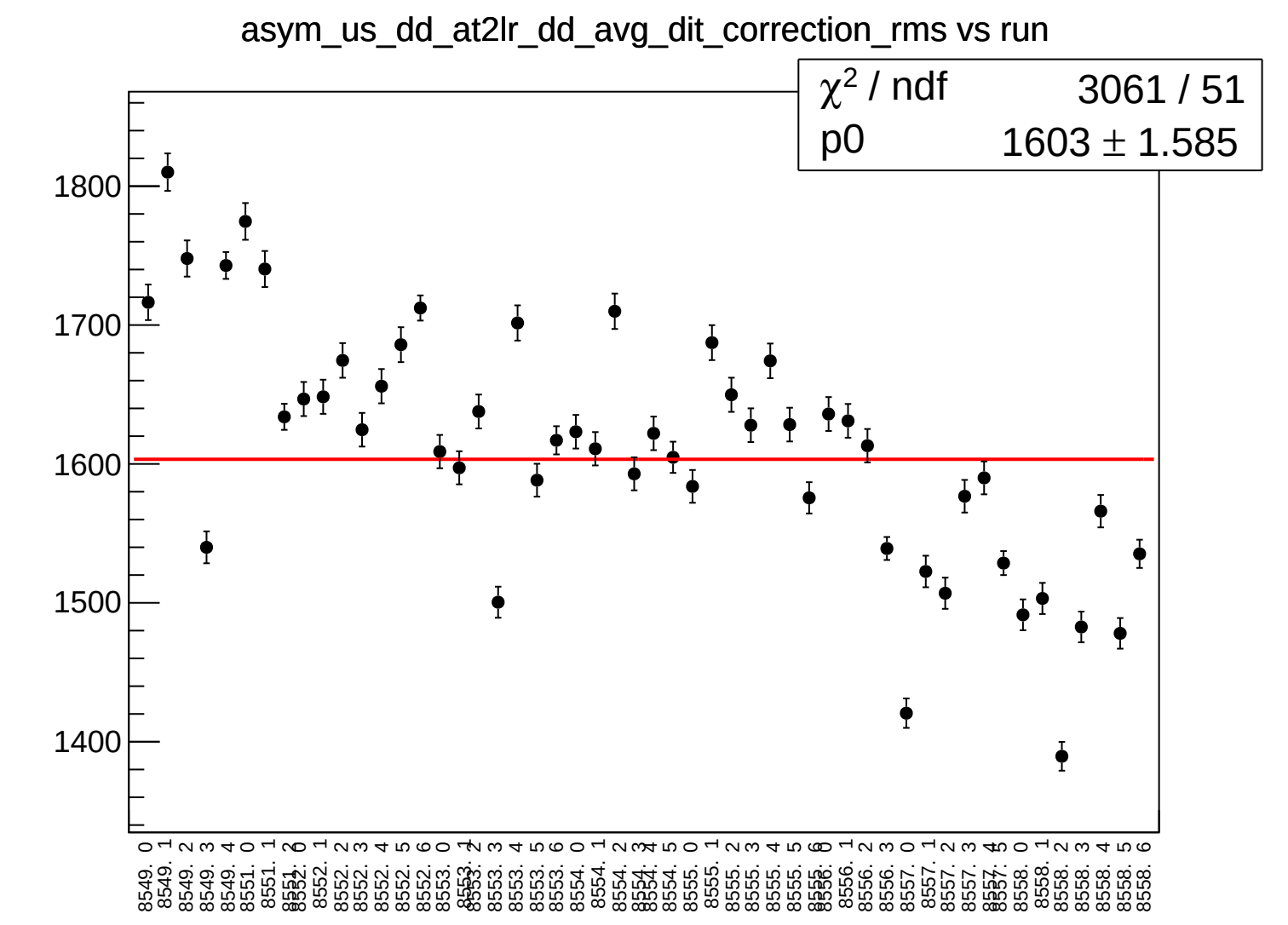

asym_us_dd_at2lr_dd_avg_eigen_cor_correction_rms vs run
χ² / ndf 5.6e+04 / 51
p0 1783 ± 1.809
12000
10000
8000
6000
4000
2000
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 5
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6


dit_asym_us_dd_at2lr_dd_avg_mean vs run
×10^3
χ² / ndf 47.47 / 50
p0 1.332e+04 ± 4.442e+04
pull
Entries 51
Mean 216.2
Std Dev 0
pull1D
Entries 51
Mean −0.01887
Std Dev 0.9646


dit_asym_us_dd_at2lr_dd_avg_rms vs run
×10^3
χ² / ndf 3.013e+04 / 51
p0 3.136e+04 ± 31.41
800
700
600
500
400
300
200
100
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 5
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6


asym_us_dd_at2lr_dd_avg_dit_correction_mean vs run
χ² / ndf 68.82 / 51
p0 −5698 ± 2241
pull
Entries 52
Mean 5.137
Std Dev 0


pull1D
Entries 52
Mean −0.0353
Std Dev 1.15


asym_us_dd_at2lr_dd_avg_dit_correction_rms vs run
χ² / ndf 3061 / 51
p0 1603 ± 1.585
1800
1700
1600
1500
1400
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 5
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
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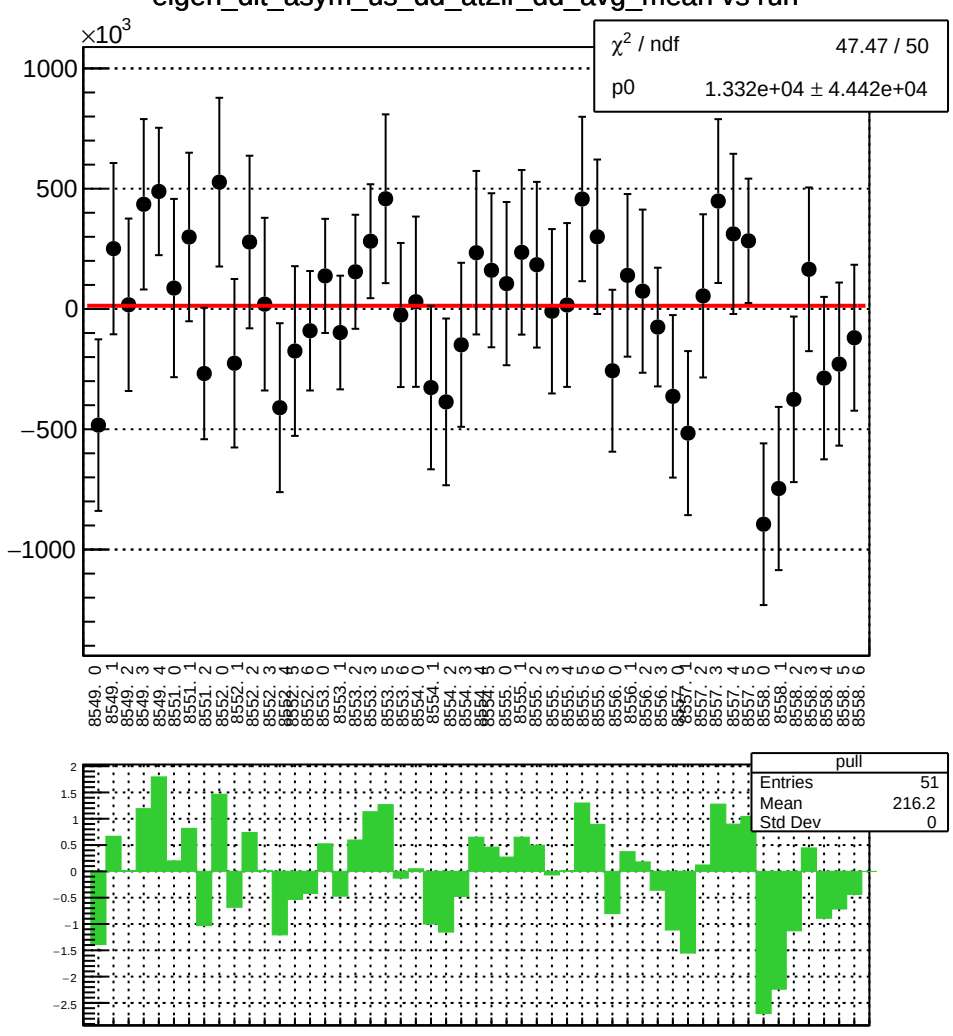
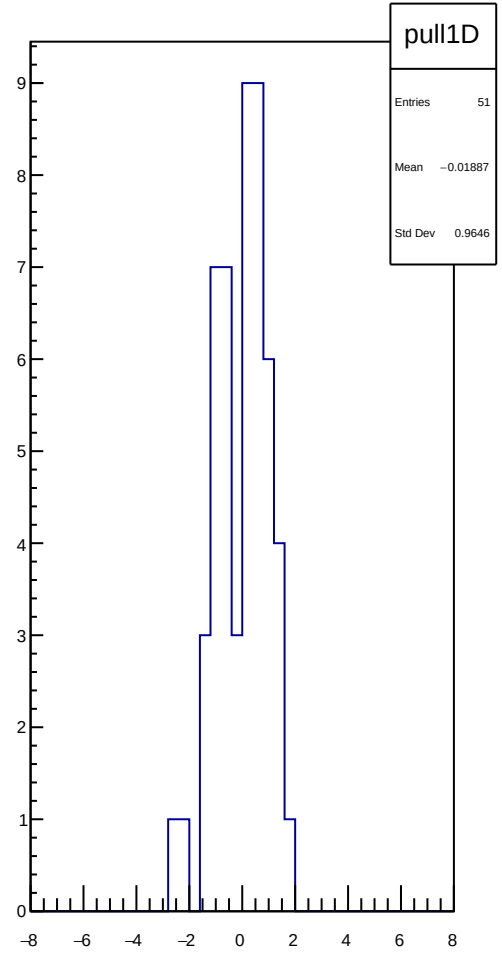
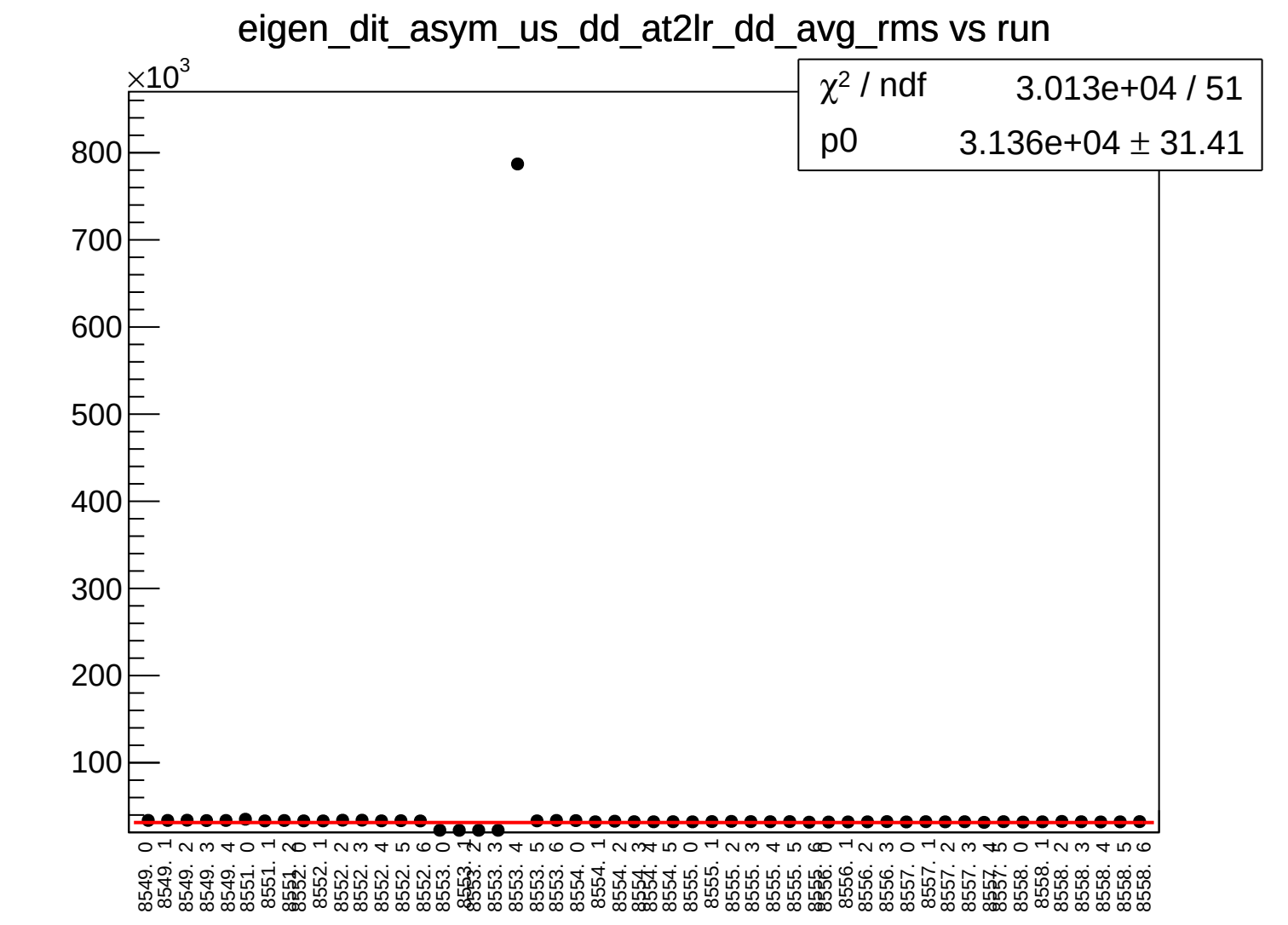
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6


eigen_dit_asym_us_dd_at2lr_dd_avg_mean vs run
×10^3
χ² / ndf 47.47 / 50
p0 1.332e+04 ± 4.442e+04
pull
Entries 51
Mean 216.2
Std Dev 0


pull1D
Entries 51
Mean −0.01887
Std Dev 0.9646


eigen_dit_asym_us_dd_at2lr_dd_avg_rms vs run
×10^3
χ² / ndf 3.013e+04 / 51
p0 3.136e+04 ± 31.41
800
700
600
500
400
300
200
100
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 0
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 1
8553. 2
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 3
8554. 4
8554. 5
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
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8557. 2
8557. 3
8558. 0
8558. 1
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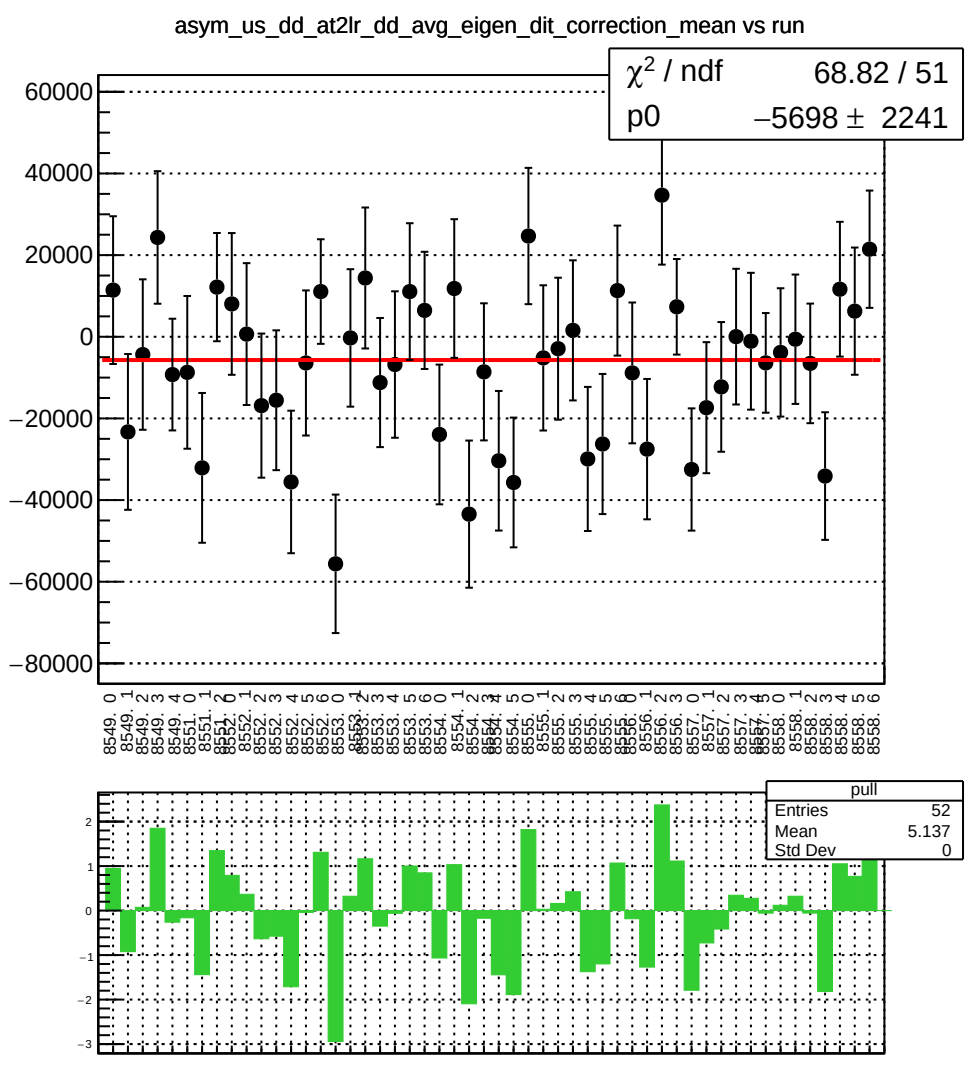
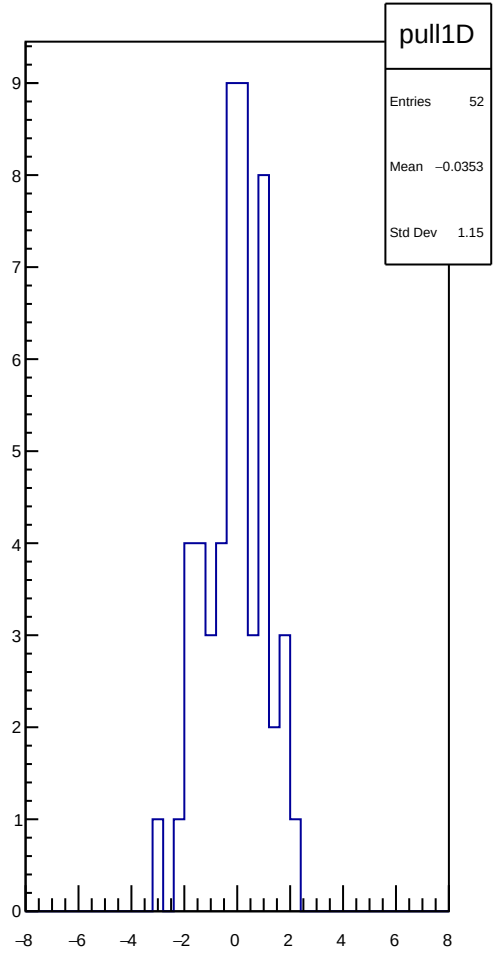
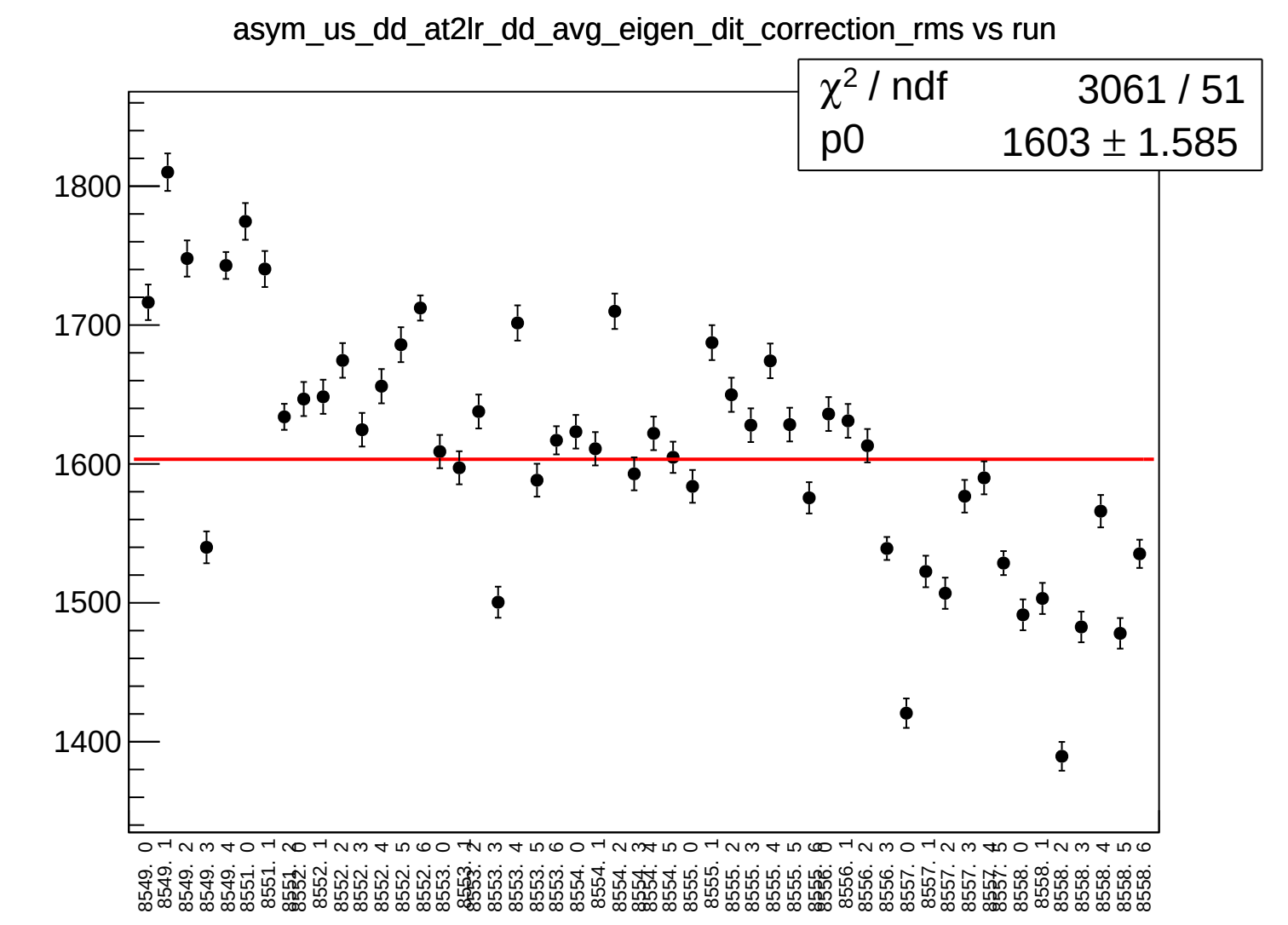
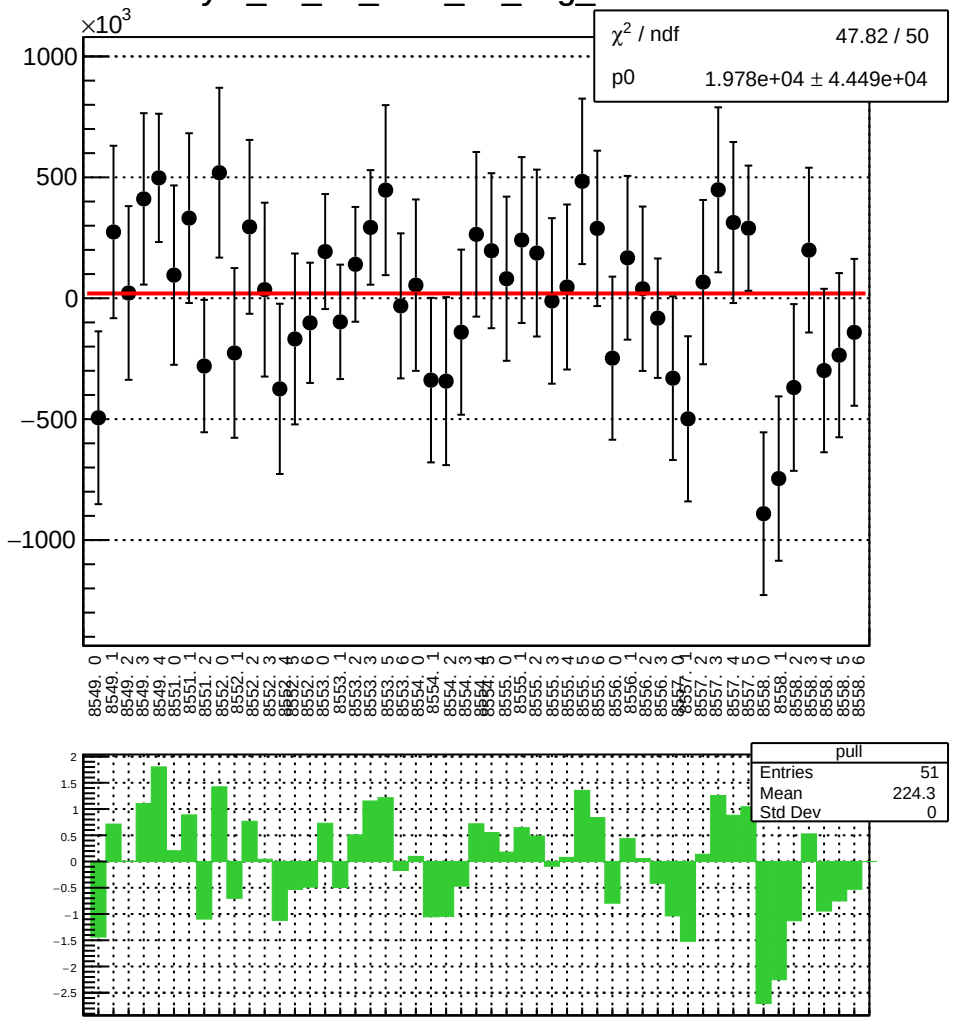
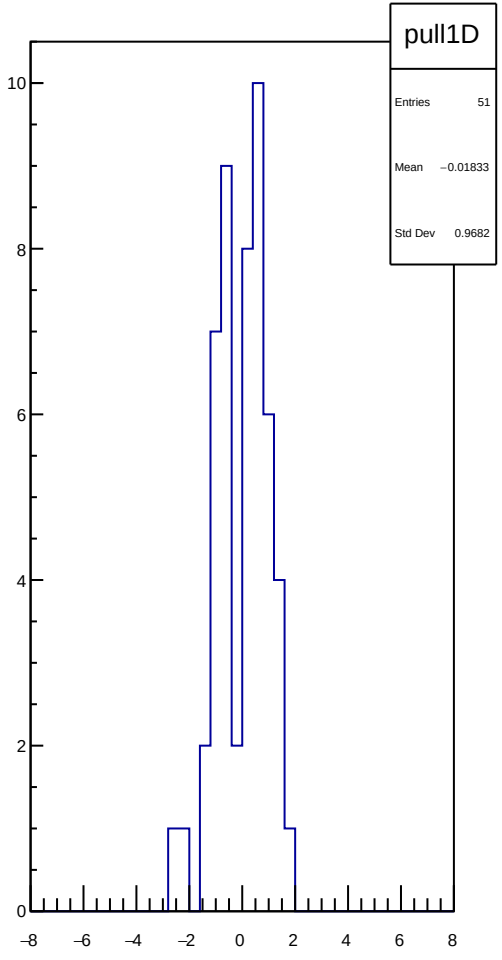
8558. 3
8558. 4
8558. 5
8558. 6

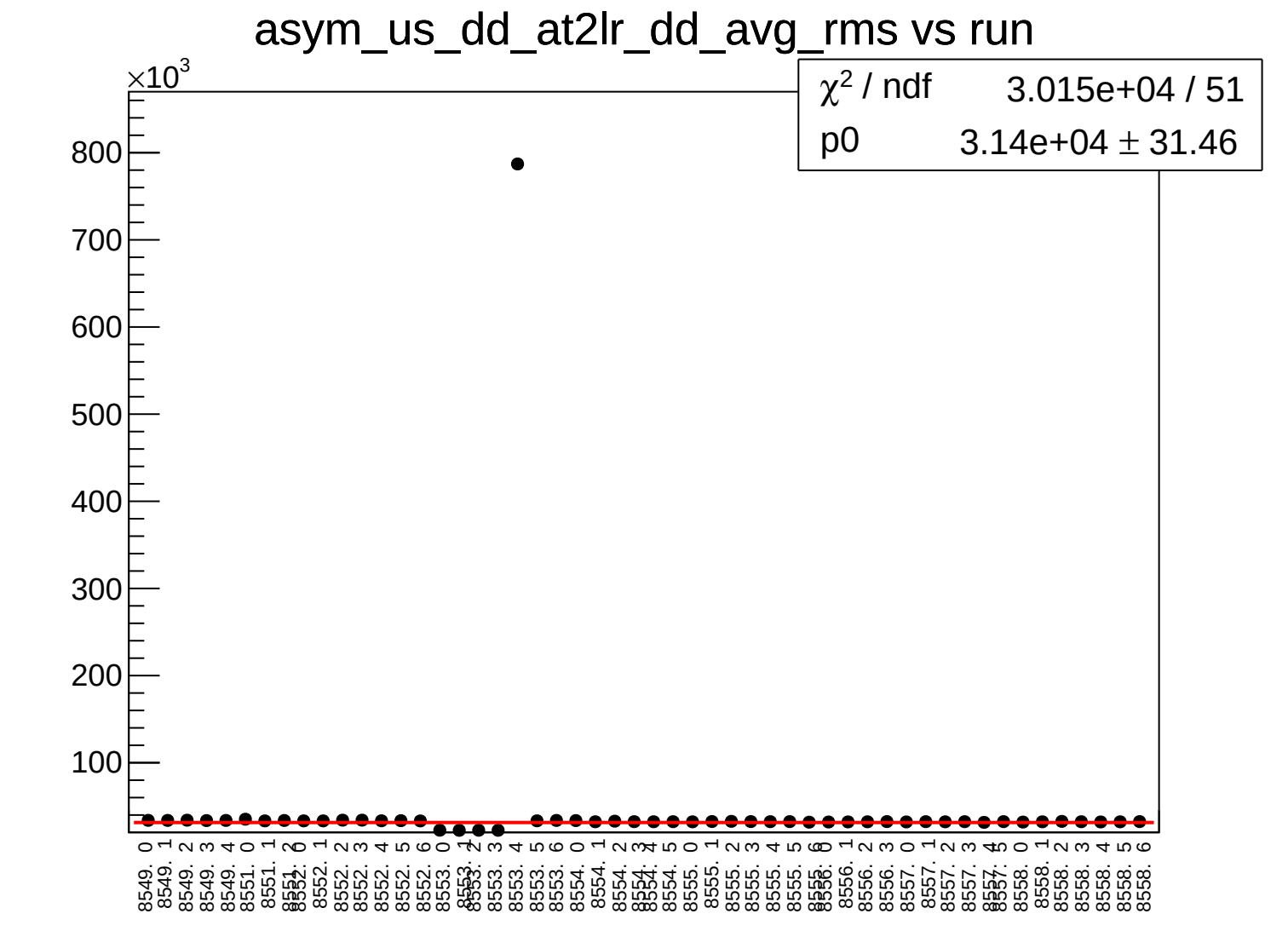

asym_us_dd_at2lr_dd_avg_eigen_dit_correction_mean vs run
χ² / ndf 68.82 / 51
p0 −5698 ± 2241
pull
Entries 52
Mean 5.137
Std Dev 0

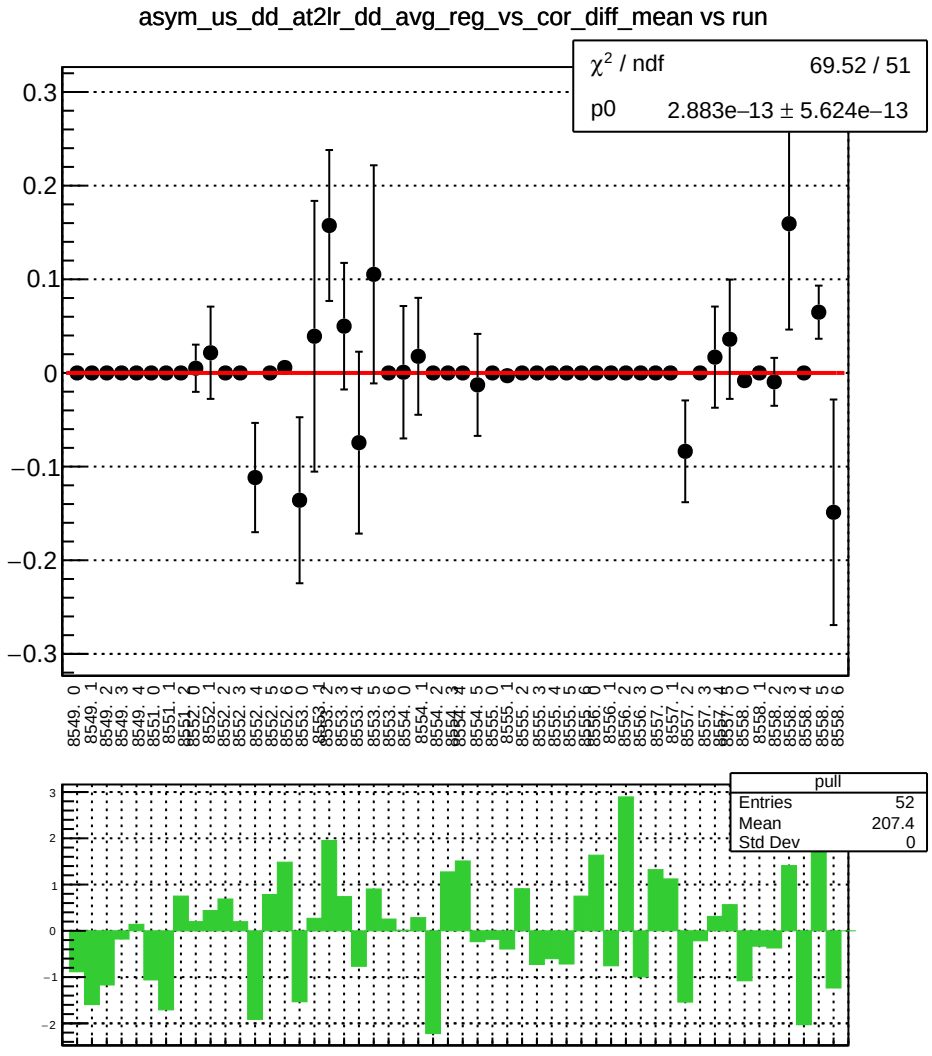

pull1D
Entries 52
Mean −0.0353
Std Dev 1.15

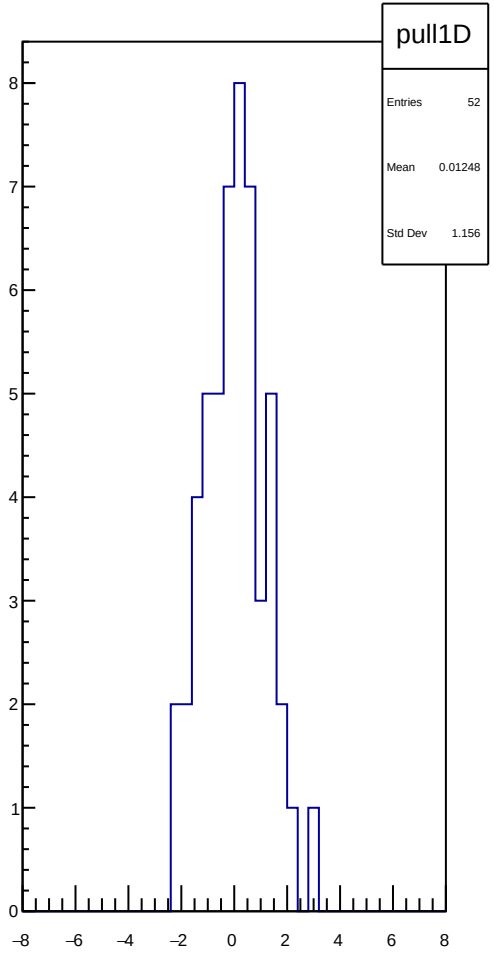

asym_us_dd_at2lr_dd_avg_eigen_dit_correction_rms vs run
χ² / ndf 3061 / 51
p0 1603 ± 1.585
1800
1700
1600
1500
1400
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

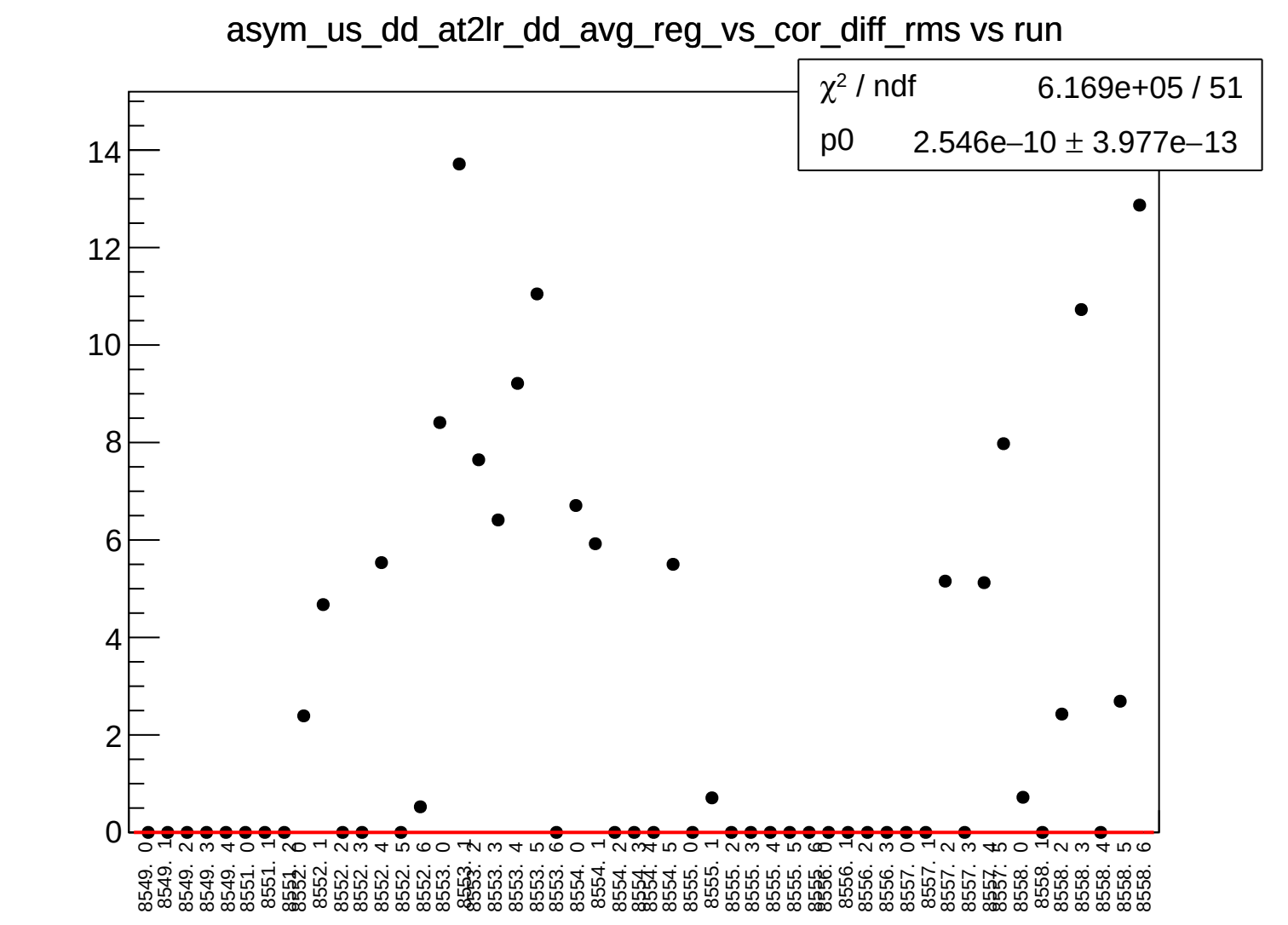

asym_us_dd_at2lr_dd_avg_mean vs run
×10^3
χ² / ndf 47.82 / 50
p0 1.978e+04 ± 4.449e+04
pull
Entries 51
Mean 224.3
Std Dev 0

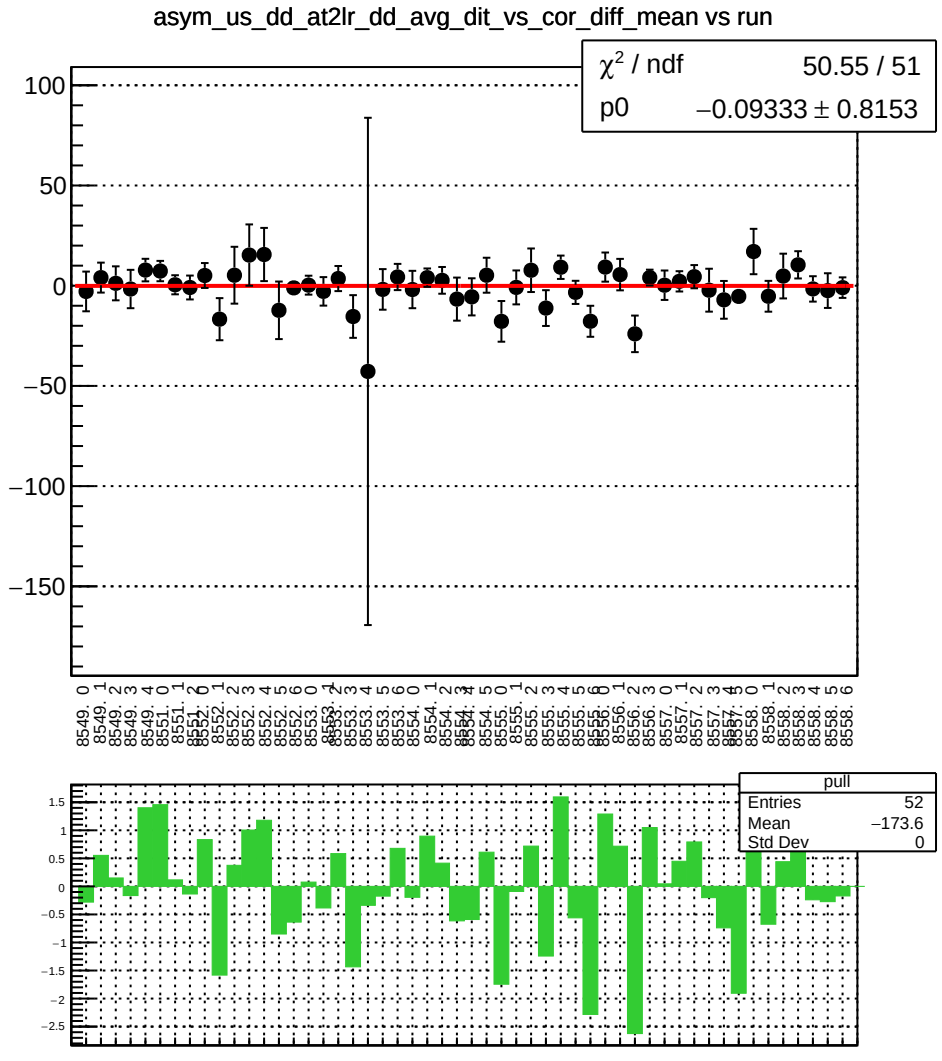

pull1D
Entries 51
Mean −0.01833
Std Dev 0.9682

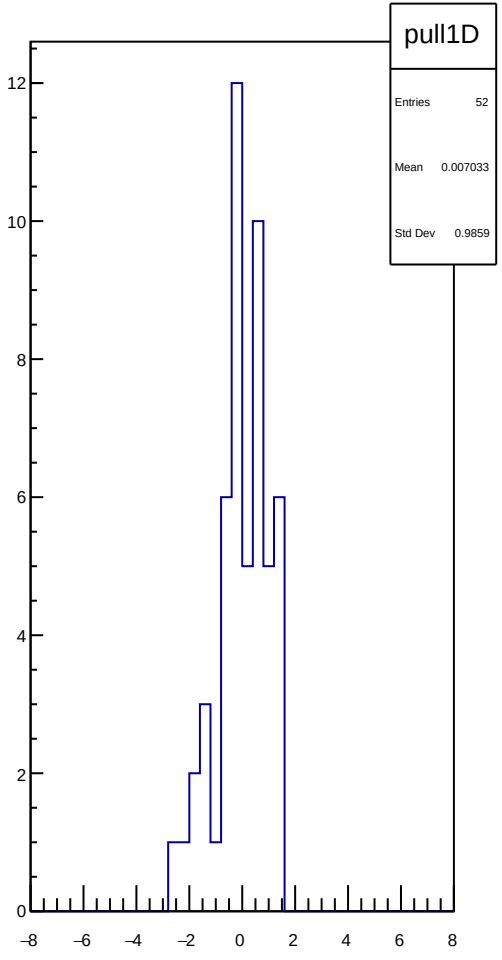

asym_us_dd_at2lr_dd_avg_rms vs run
×10^3
800
700
600
500
400
300
200
100
χ² / ndf 3.015e+04 / 51
p0 3.14e+04 ± 31.46
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 5
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

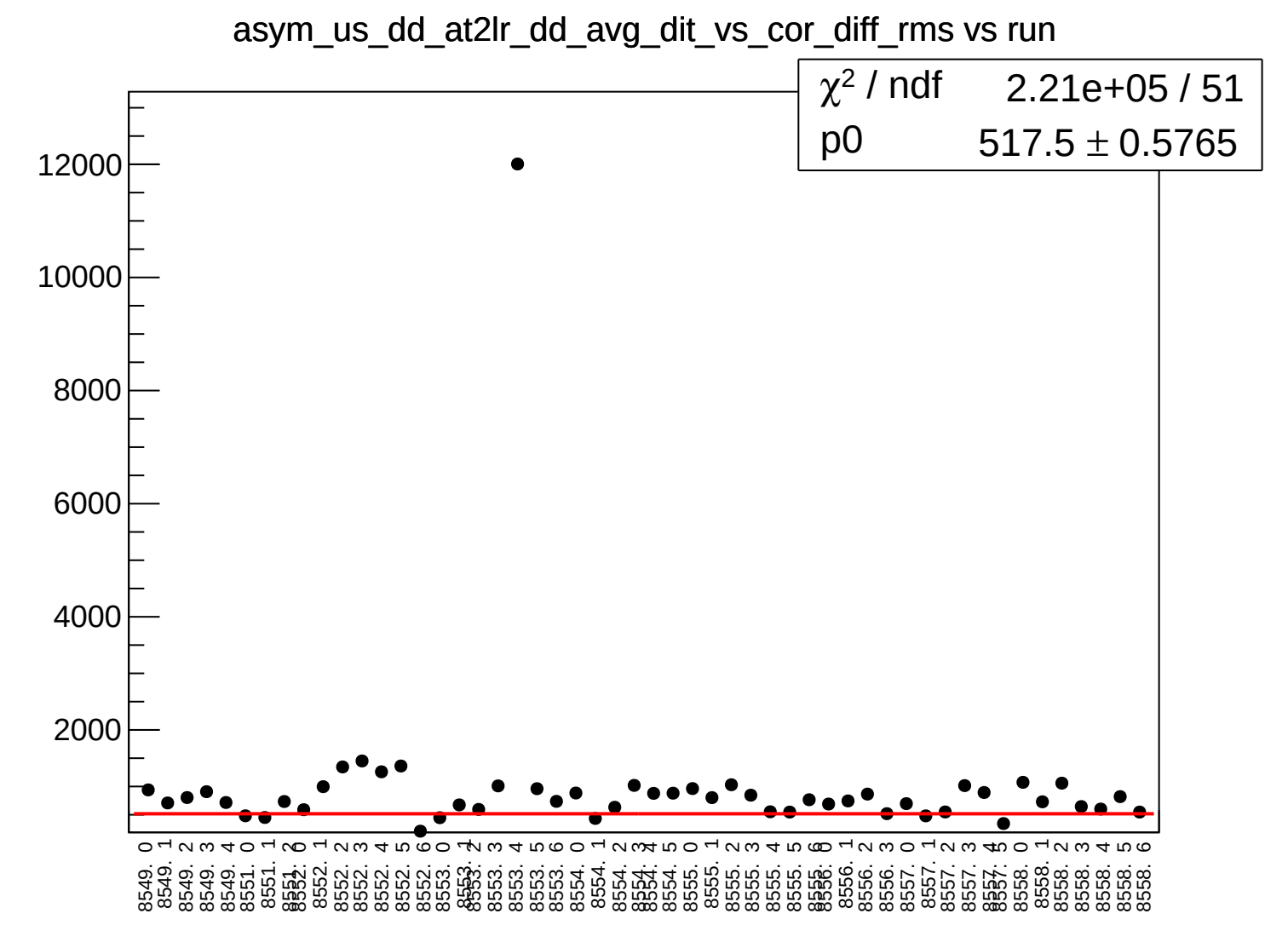

asym_us_dd_at2lr_dd_avg_reg_vs_cor_diff_mean vs run
χ² / ndf 69.52 / 51
p0 2.883e−13 ± 5.624e−13
pull
Entries 52
Mean 207.4
Std Dev 0

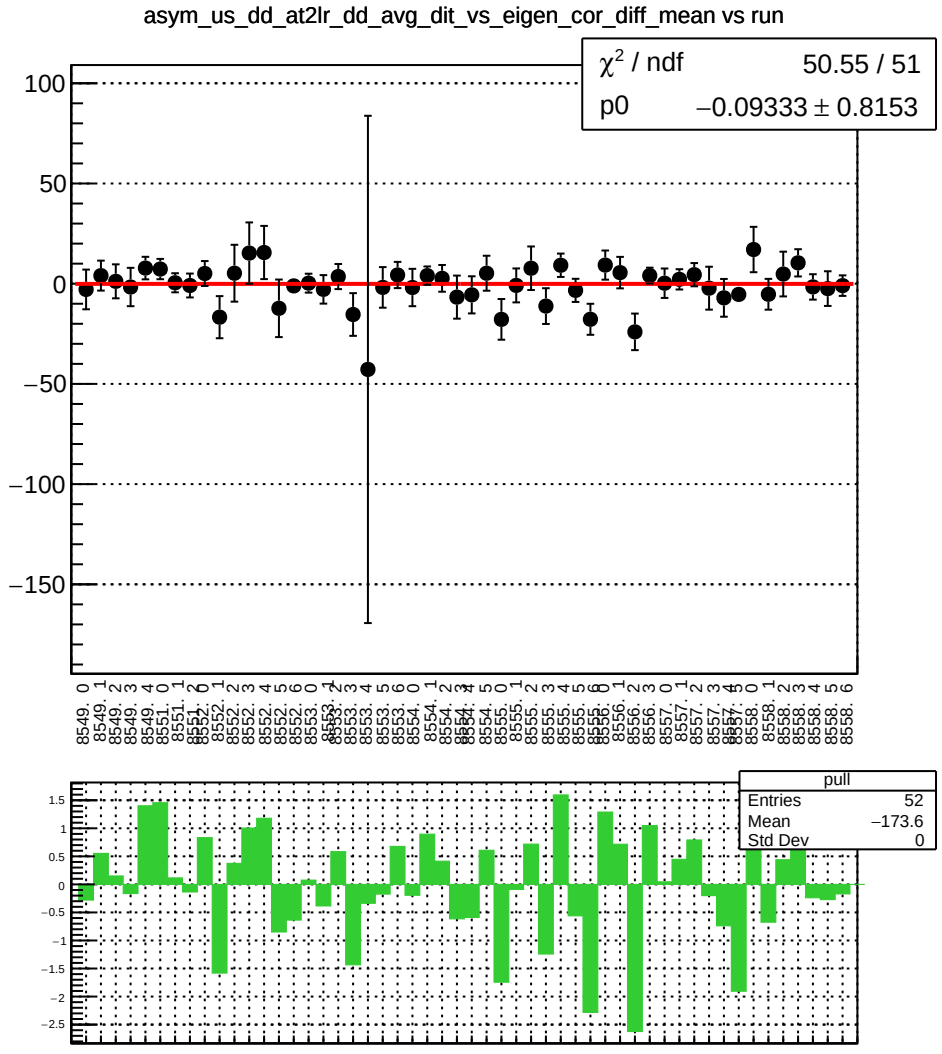

pull1D
Entries 52
Mean 0.01248
Std Dev 1.156

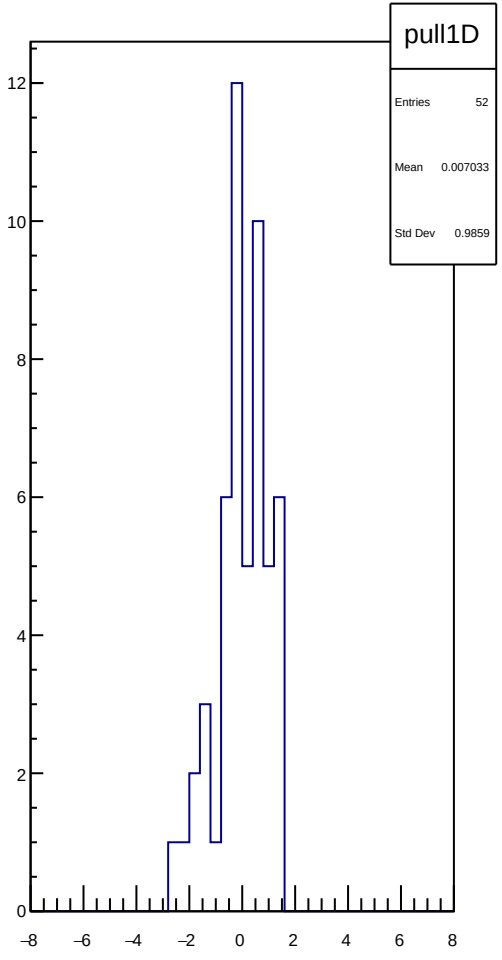

asym_us_dd_at2lr_dd_avg_reg_vs_cor_diff_rms vs run
χ² / ndf 6.169e+05 / 51
p0 2.546e−10 ± 3.977e−13
0
2
4
6
8
10
12
14
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8549. 5
8549. 6
8551. 0
8551. 1
8551. 2
8552. 0
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 1
8553. 2
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 3
8554. 4
8554. 5
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8555. 6
8556. 0
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8557. 4
8557. 5
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

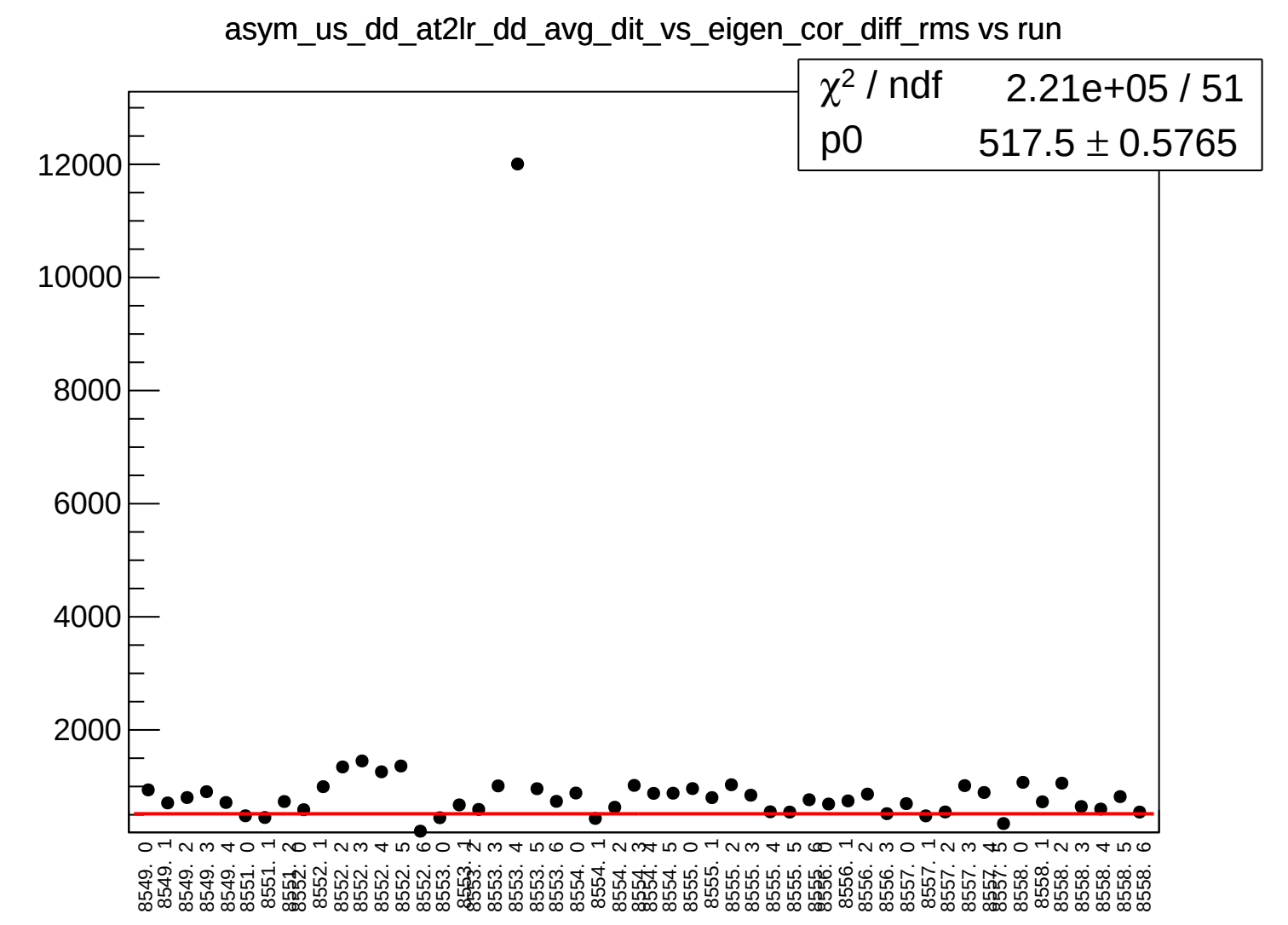

asym_us_dd_at2lr_dd_avg_dit_vs_cor_diff_mean vs run
χ² / ndf 50.55 / 51
p0 −0.09333 ± 0.8153
pull
Entries 52
Mean −173.6
Std Dev 0

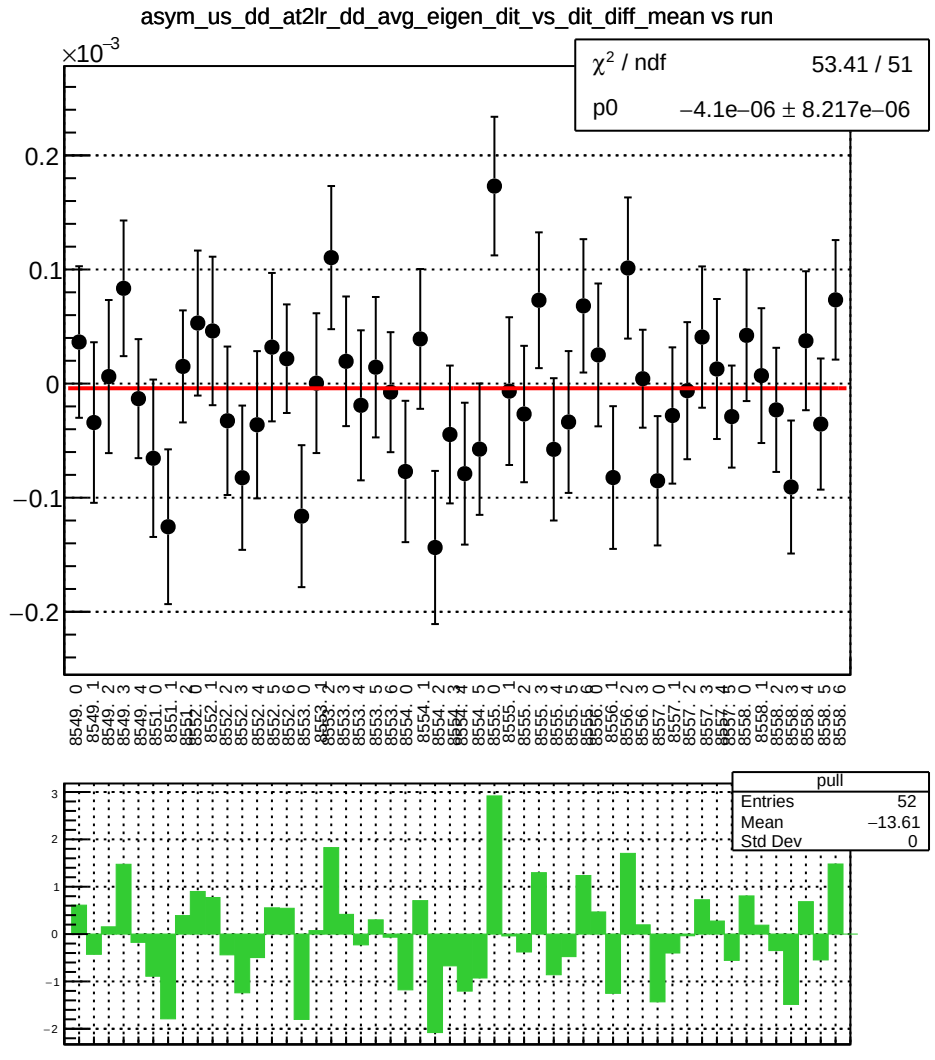

pull1D
Entries 52
Mean 0.007033
Std Dev 0.9859

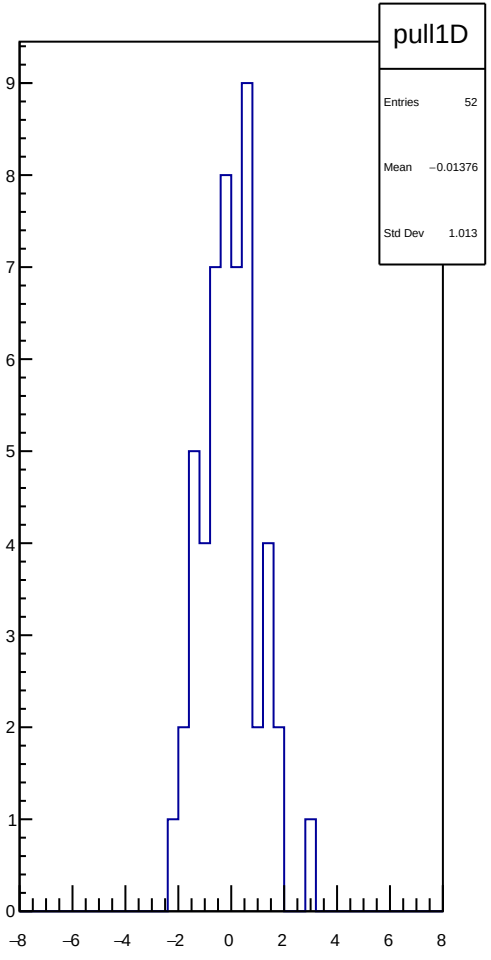

asym_us_dd_at2lr_dd_avg_dit_vs_cor_diff_rms vs run
χ² / ndf 2.21e+05 / 51
p0 517.5 ± 0.5765
12000
10000
8000
6000
4000
2000
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

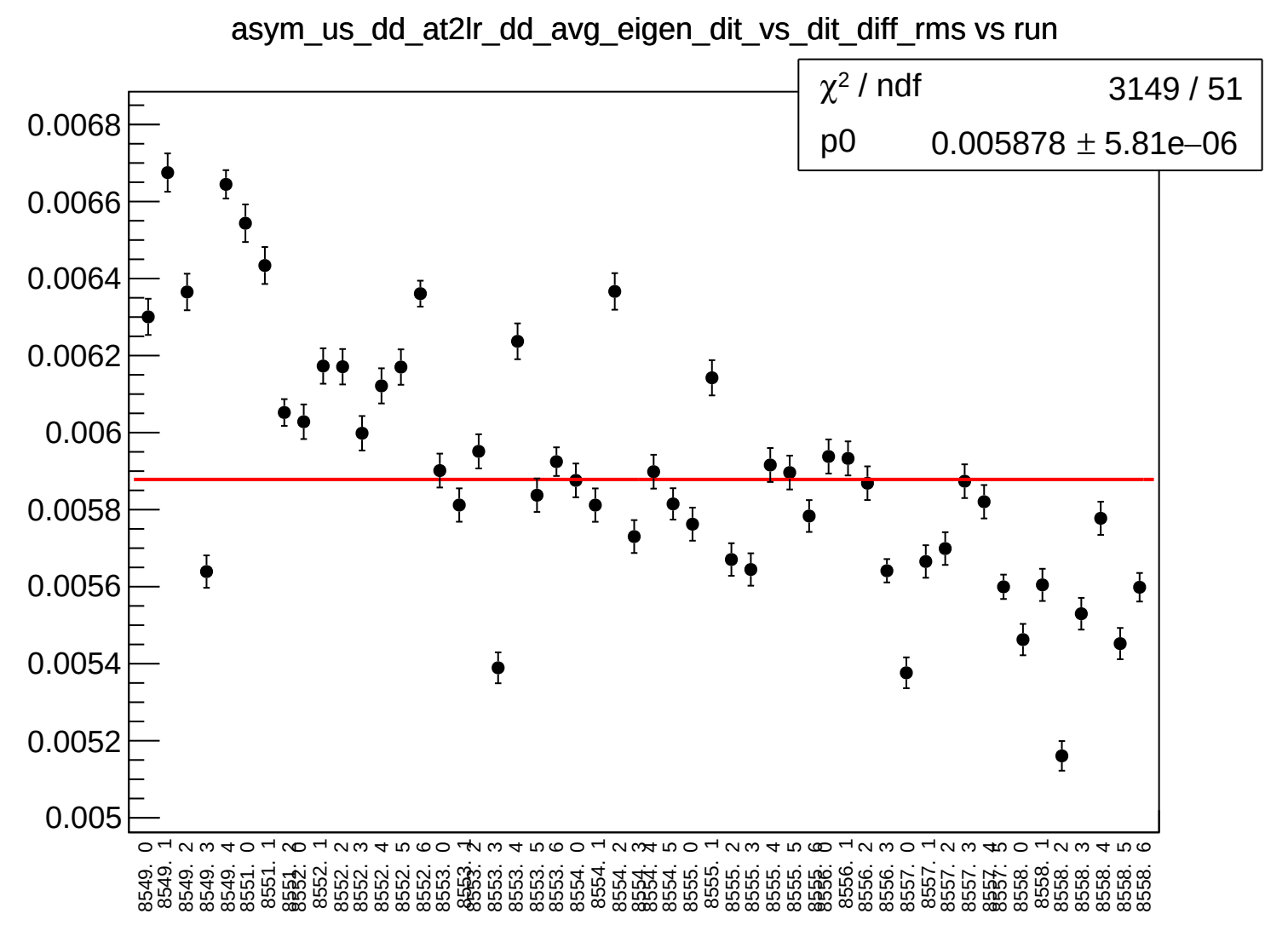

asym_us_dd_at2lr_dd_avg_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 50.55 / 51
p0 −0.09333 ± 0.8153
pull
Entries 52
Mean −173.6
Std Dev 0

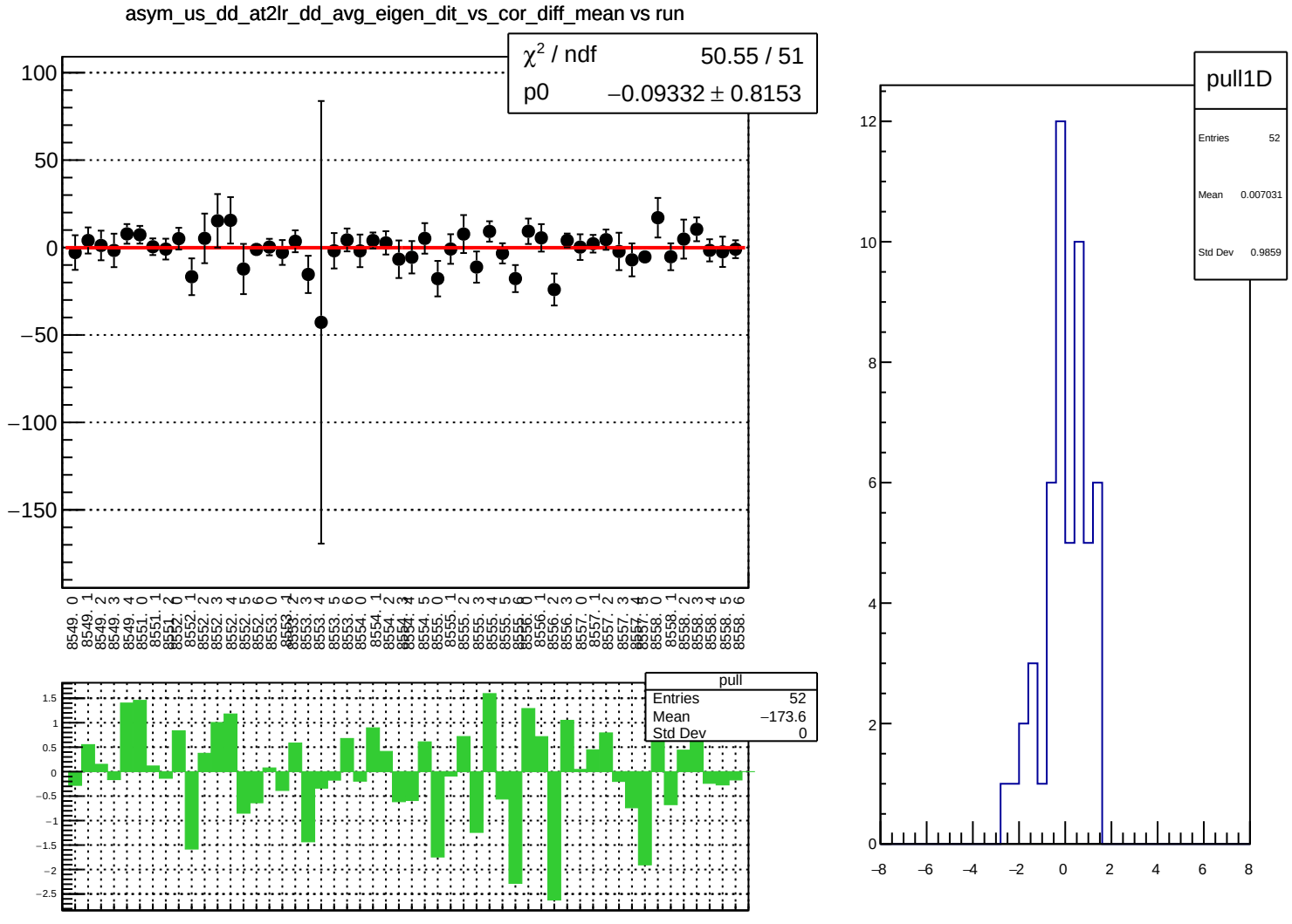

pull1D
Entries 52
Mean 0.007033
Std Dev 0.9859

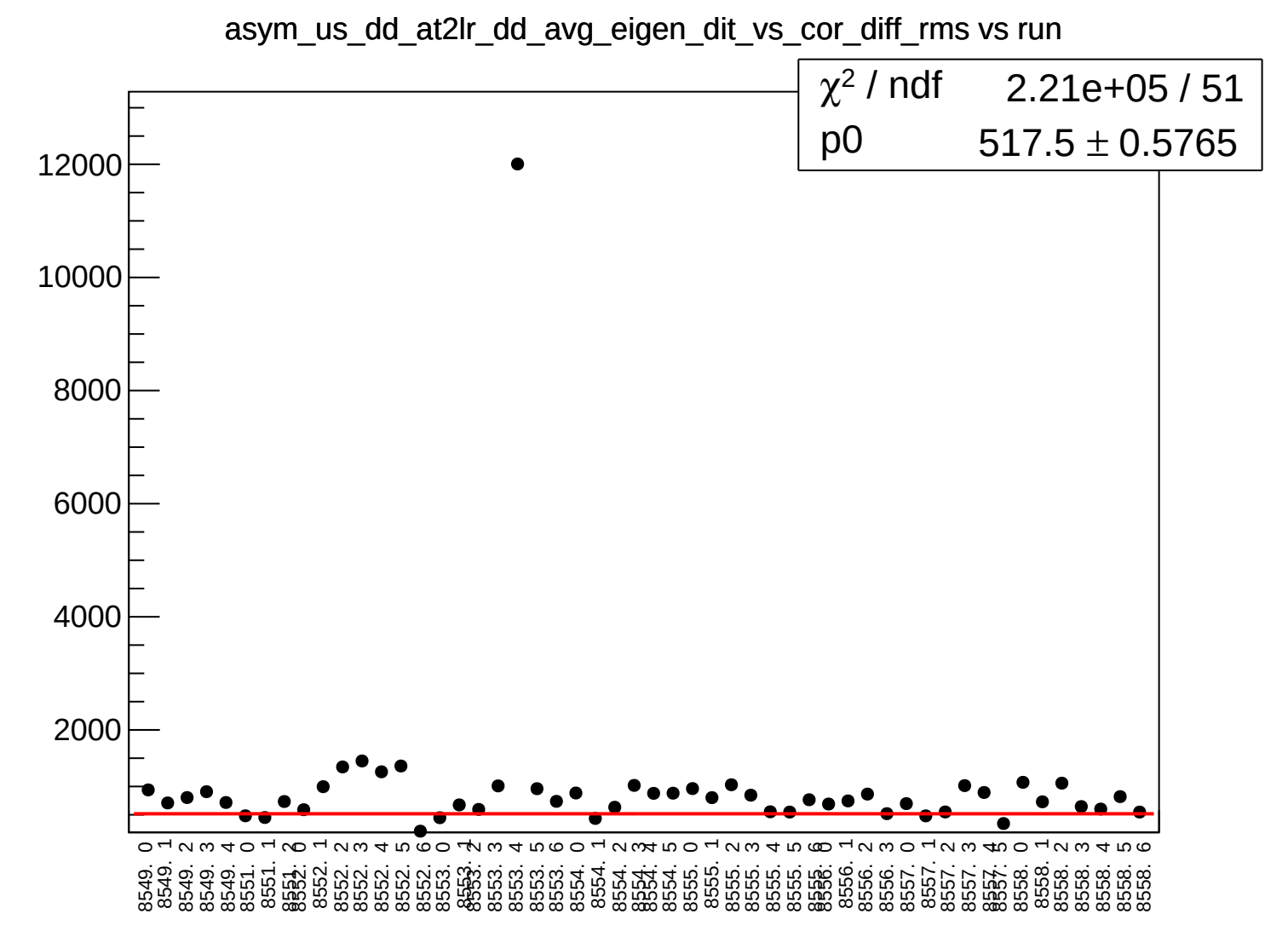

asym_us_dd_at2lr_dd_avg_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 2.21e+05 / 51
p0 517.5 ± 0.5765
12000
10000
8000
6000
4000
2000
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

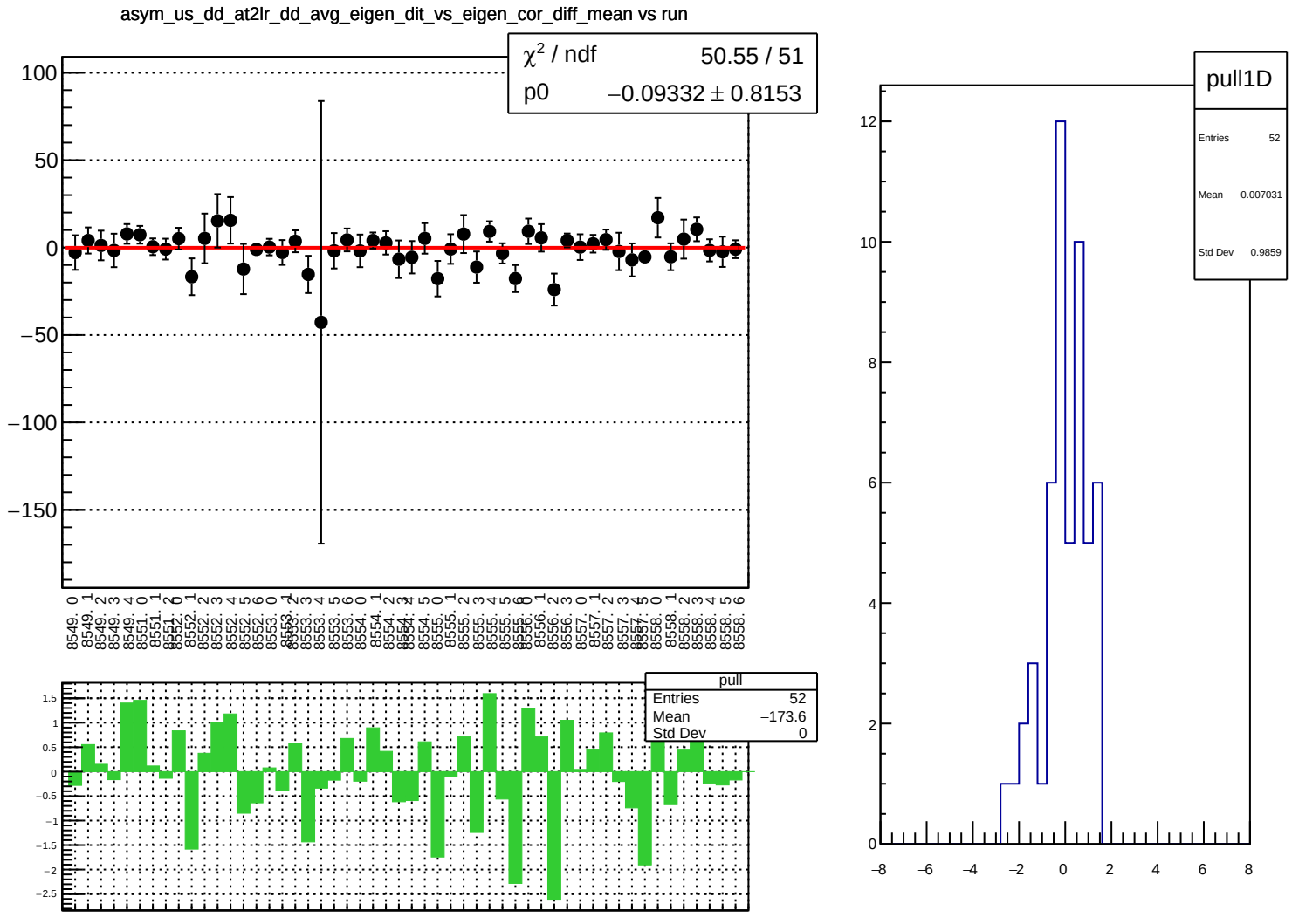

asym_us_dd_at2lr_dd_avg_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 53.41 / 51
p0 −4.1e−06 ± 8.217e−06
0.2
0.1
0
−0.1
−0.2
pull
Entries 52
Mean −13.61
Std Dev 0
3
2
1
0
−1
−2

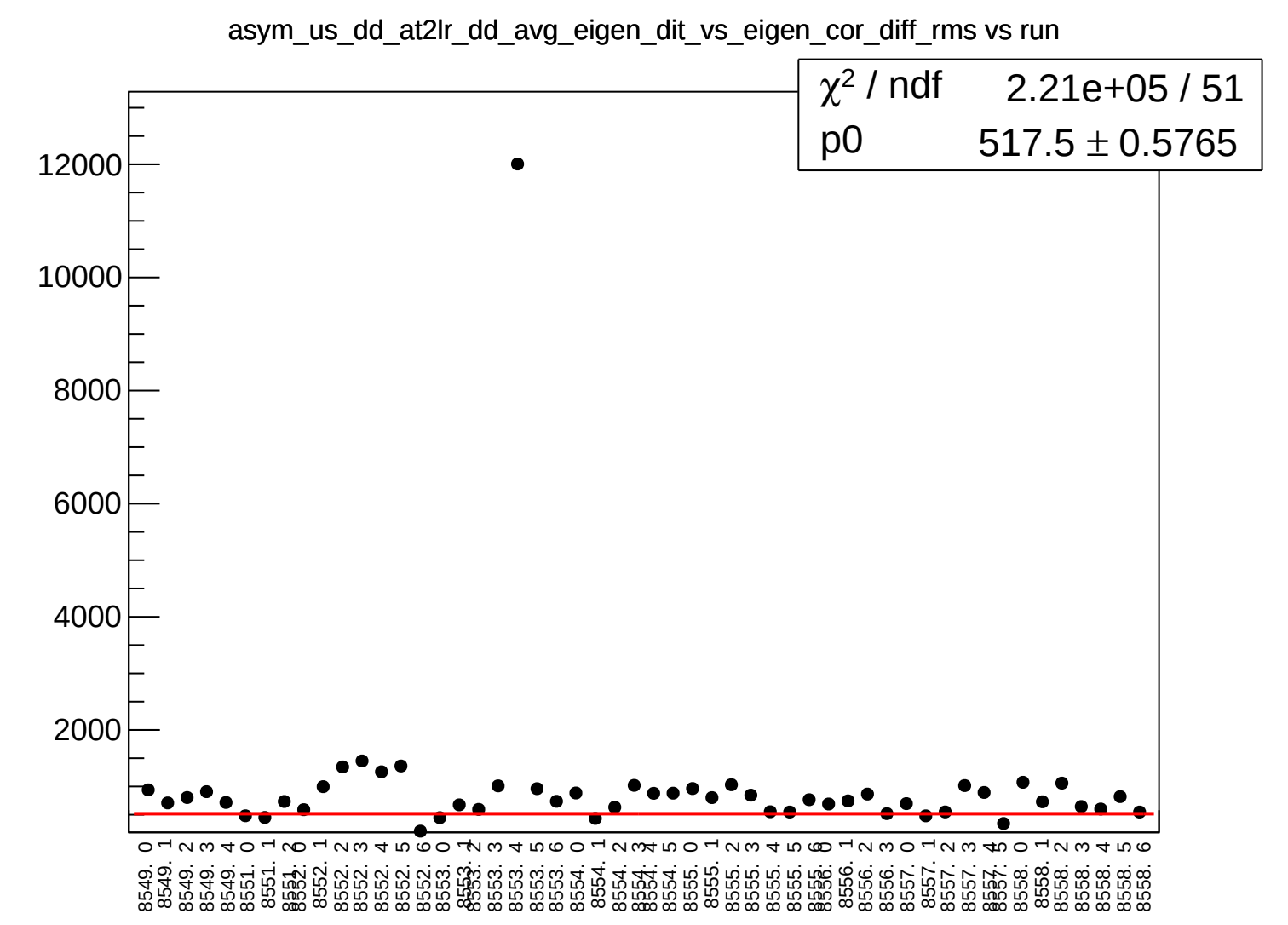

pull1D
Entries 52
Mean −0.01376
Std Dev 1.013
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

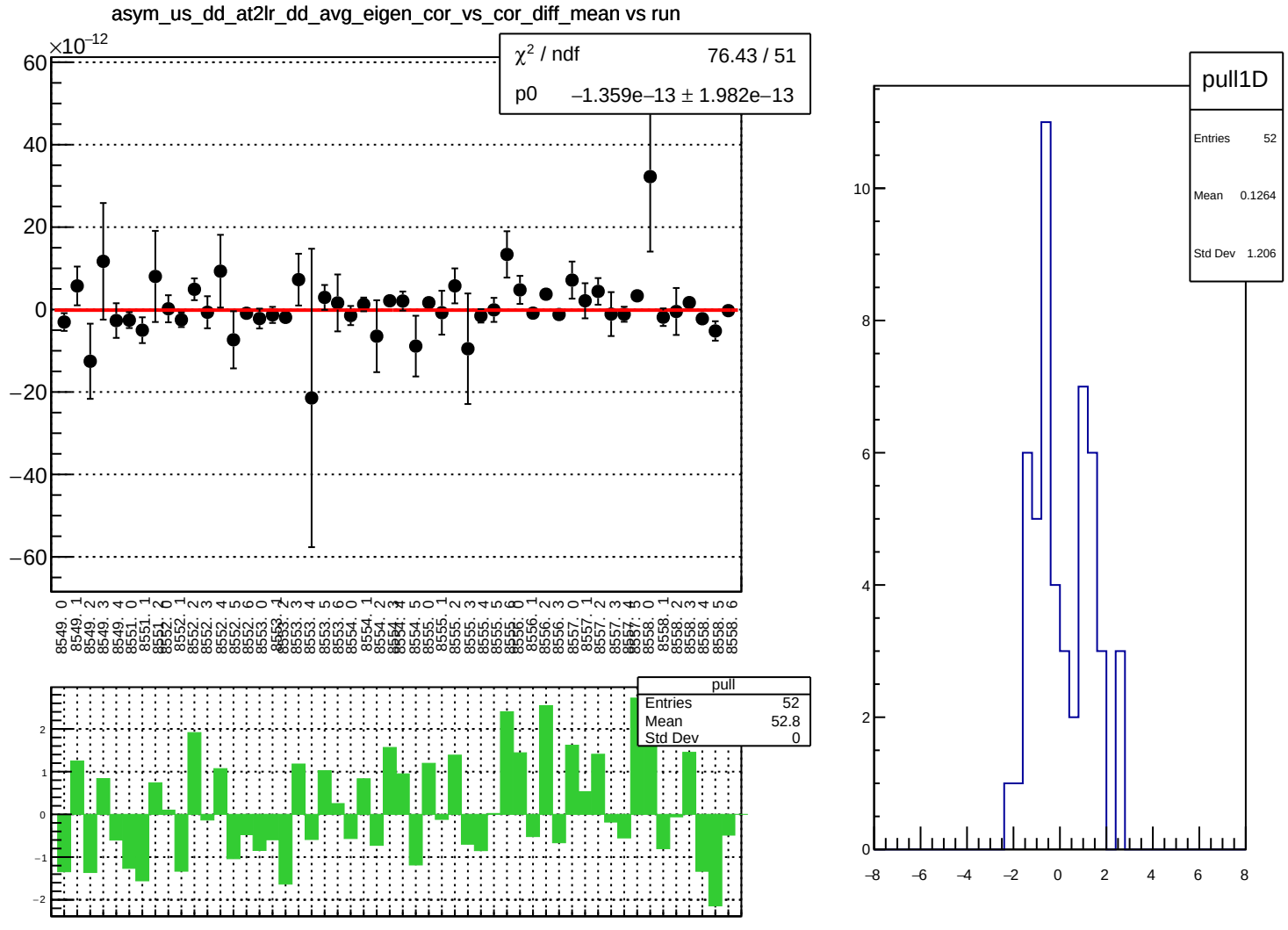

asym_us_dd_at2lr_dd_avg_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 3149 / 51
p0 0.005878 ± 5.81e–06
0.0068
0.0066
0.0064
0.0062
0.006
0.0058
0.0056
0.0054
0.0052
0.005
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 5
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

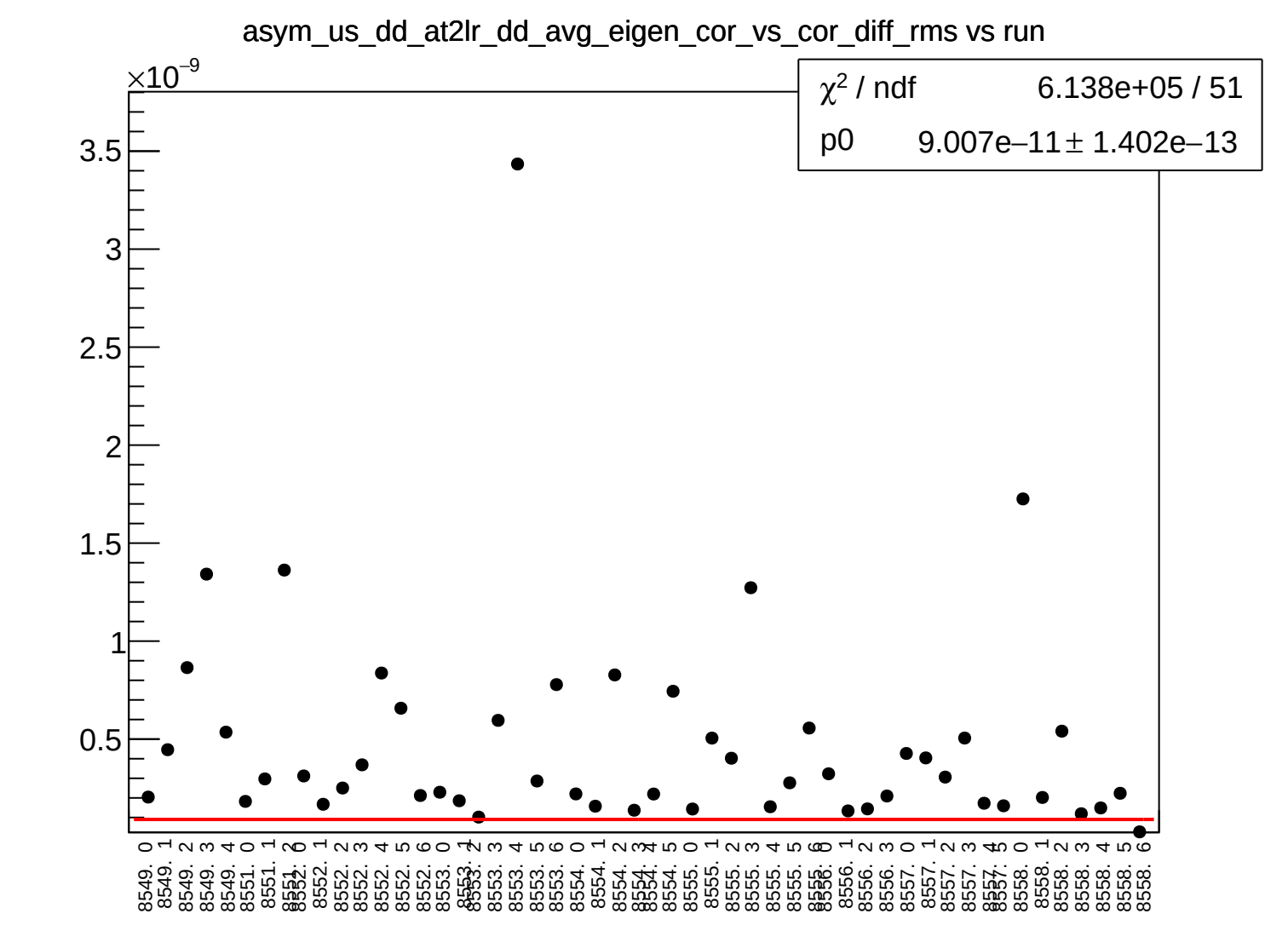

asym_us_dd_at2lr_dd_avg_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 50.55 / 51
p0 −0.09332 ± 0.8153
pull
Entries 52
Mean −173.6
Std Dev 0
pull1D
Entries 52
Mean 0.007031
Std Dev 0.9859

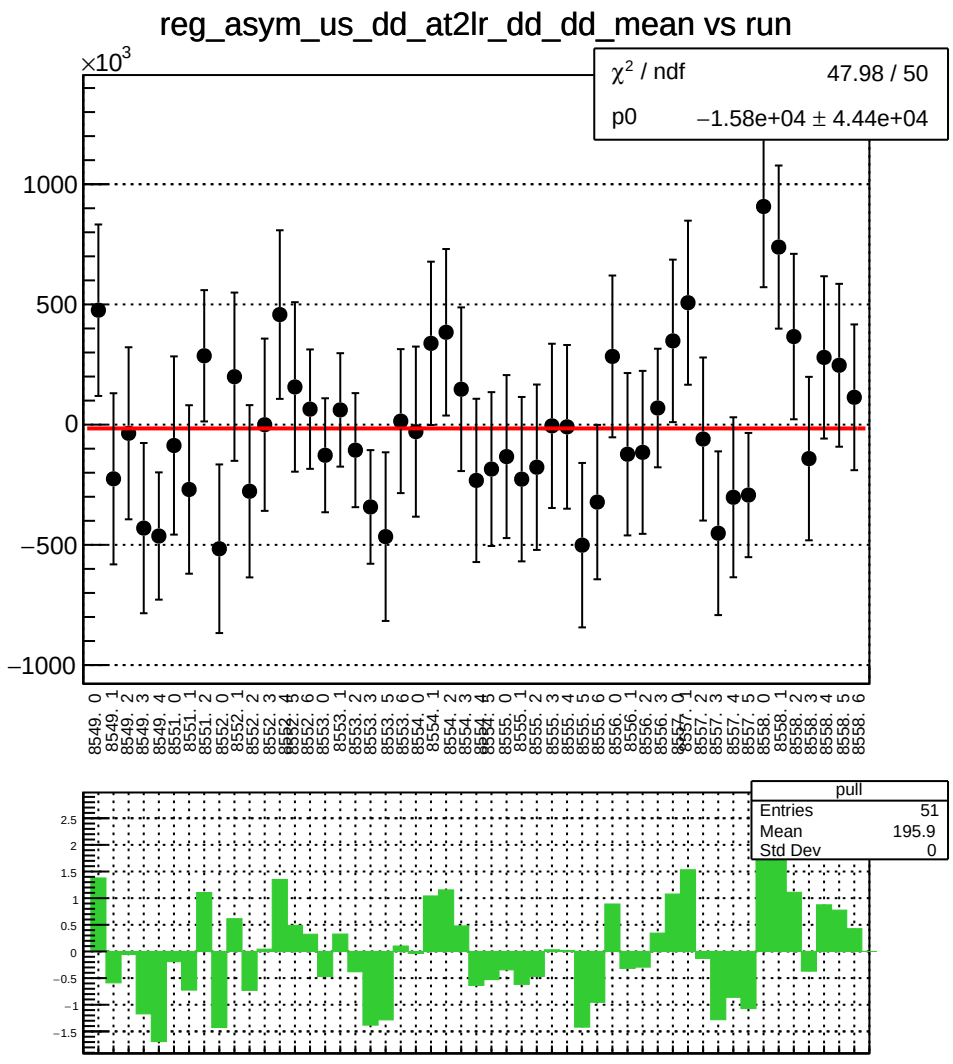

asym_us_dd_at2lr_dd_avg_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 2.21e+05 / 51
p0 517.5 ± 0.5765
12000
10000
8000
6000
4000
2000
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 5
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

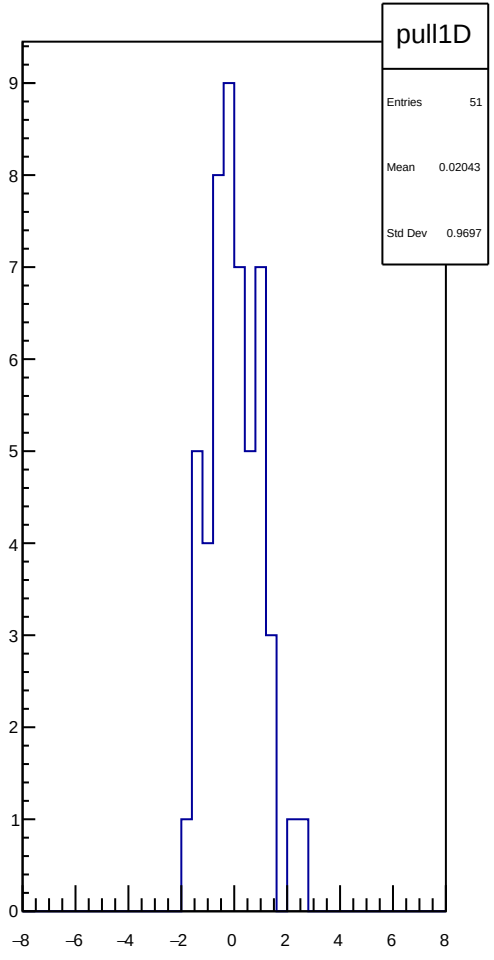

asym_us_dd_at2lr_dd_avg_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 50.55 / 51
p0 −0.09332 ± 0.8153
100
50
0
−50
−100
−150
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8551. 2
8551. 6
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 1
8553. 2
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 3
8554. 4
8554. 5
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8555. 6
8556. 0
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8557. 4
8557. 5
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6
pull
Entries 52
Mean −173.6
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5
pull1D
Entries 52
Mean 0.007031
Std Dev 0.9859
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

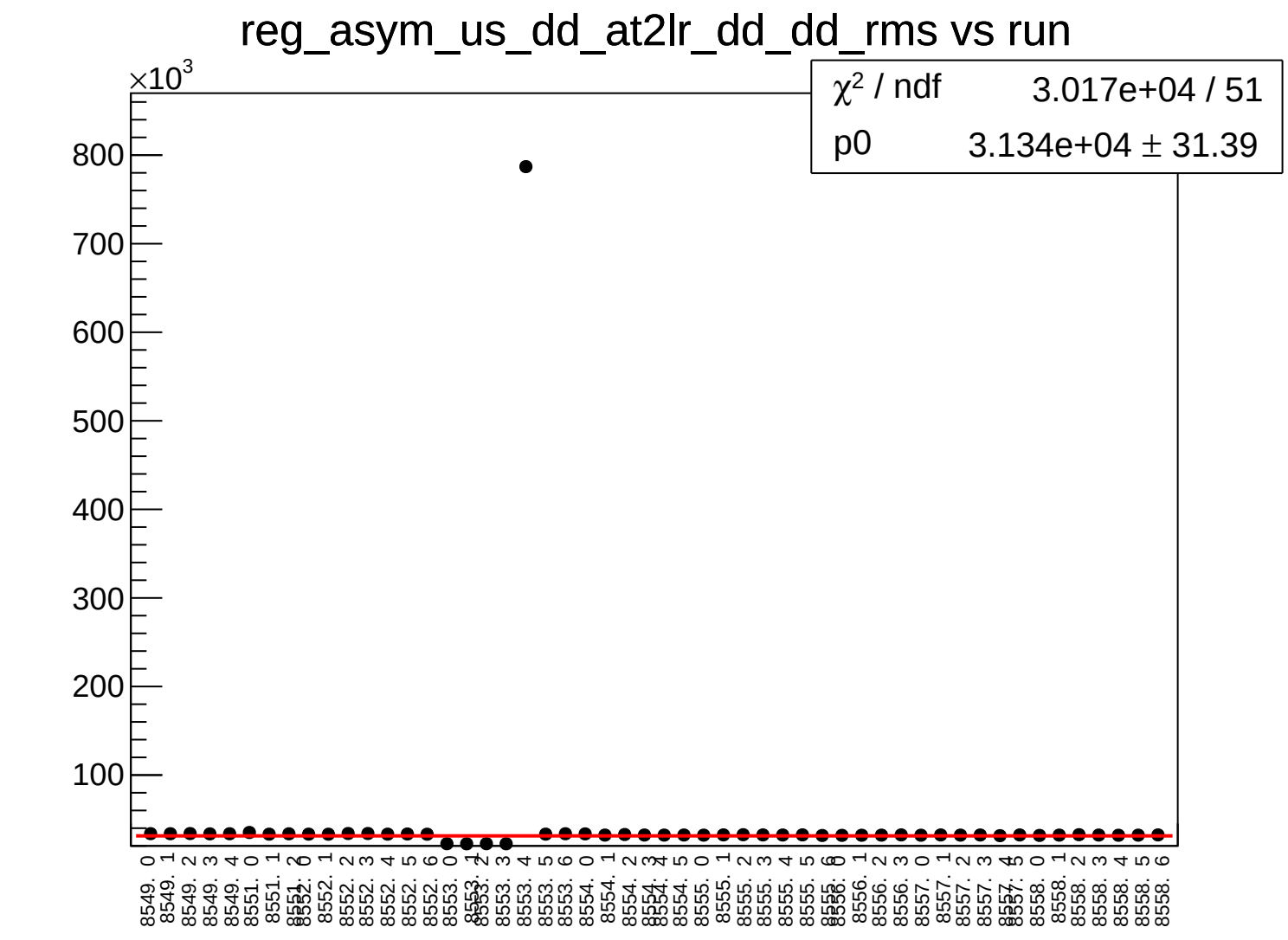

asym_us_dd_at2lr_dd_avg_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 2.21e+05 / 51
p0 517.5 ± 0.5765
12000
10000
8000
6000
4000
2000
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

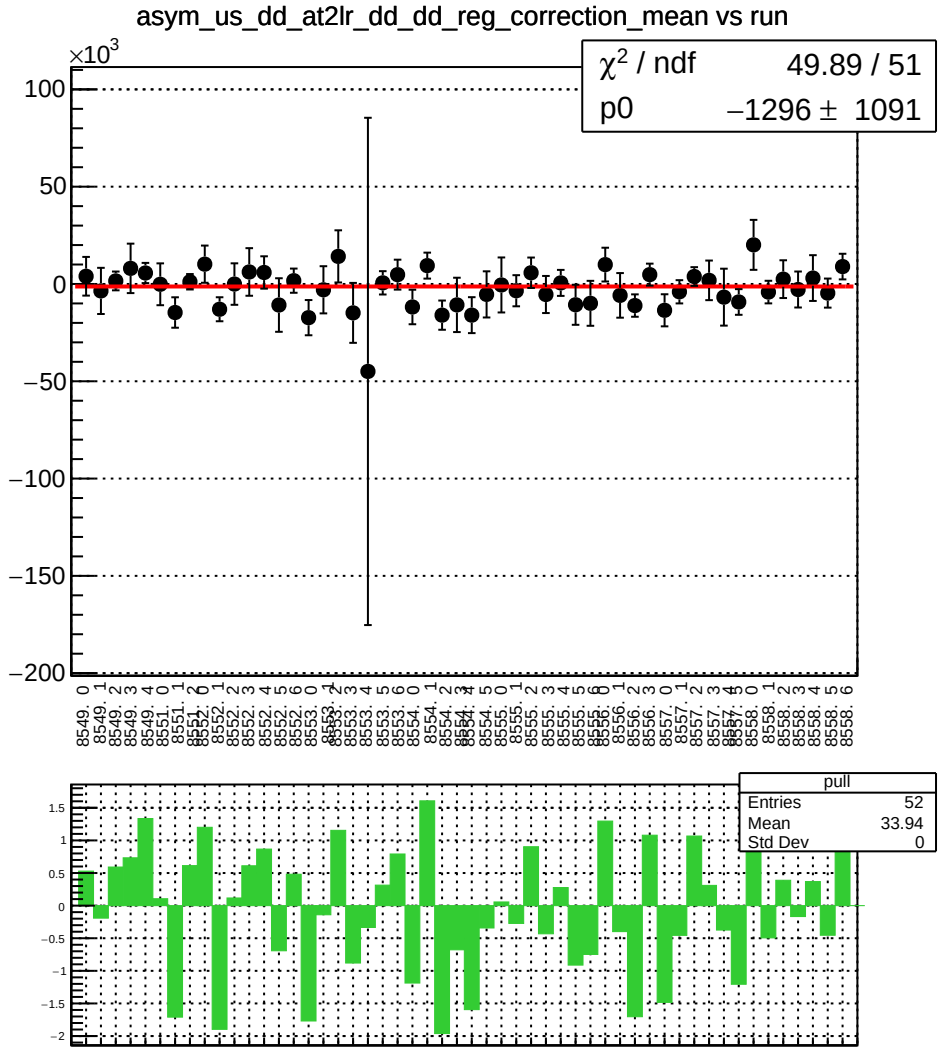

asym_us_dd_at2lr_dd_avg_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 76.43 / 51
p0 −1.359e−13 ± 1.982e−13
pull
Entries 52
Mean 52.8
Std Dev 0
pull1D
Entries 52
Mean 0.1264
Std Dev 1.206

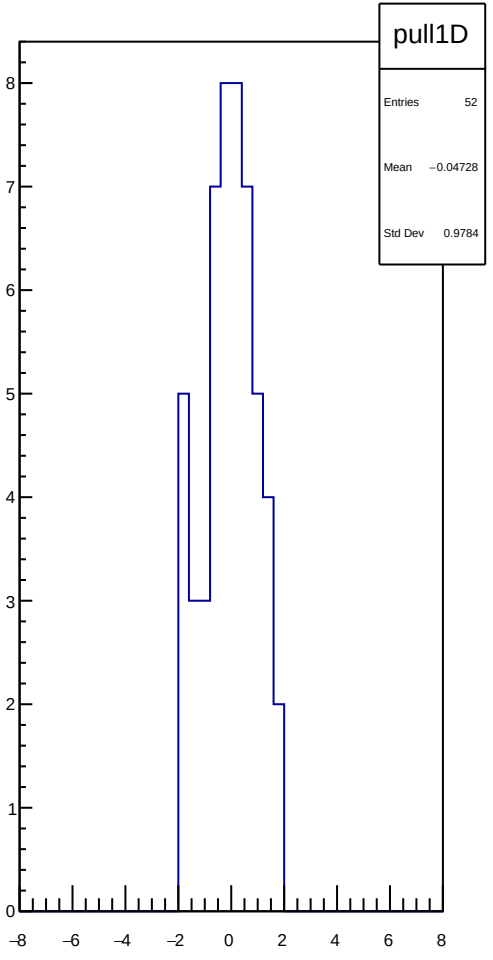

asym_us_dd_at2lr_dd_avg_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 6.138e+05 / 51
p0 9.007e−11 ± 1.402e−13
3.5
3
2.5
2
1.5
1
0.5
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 5
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

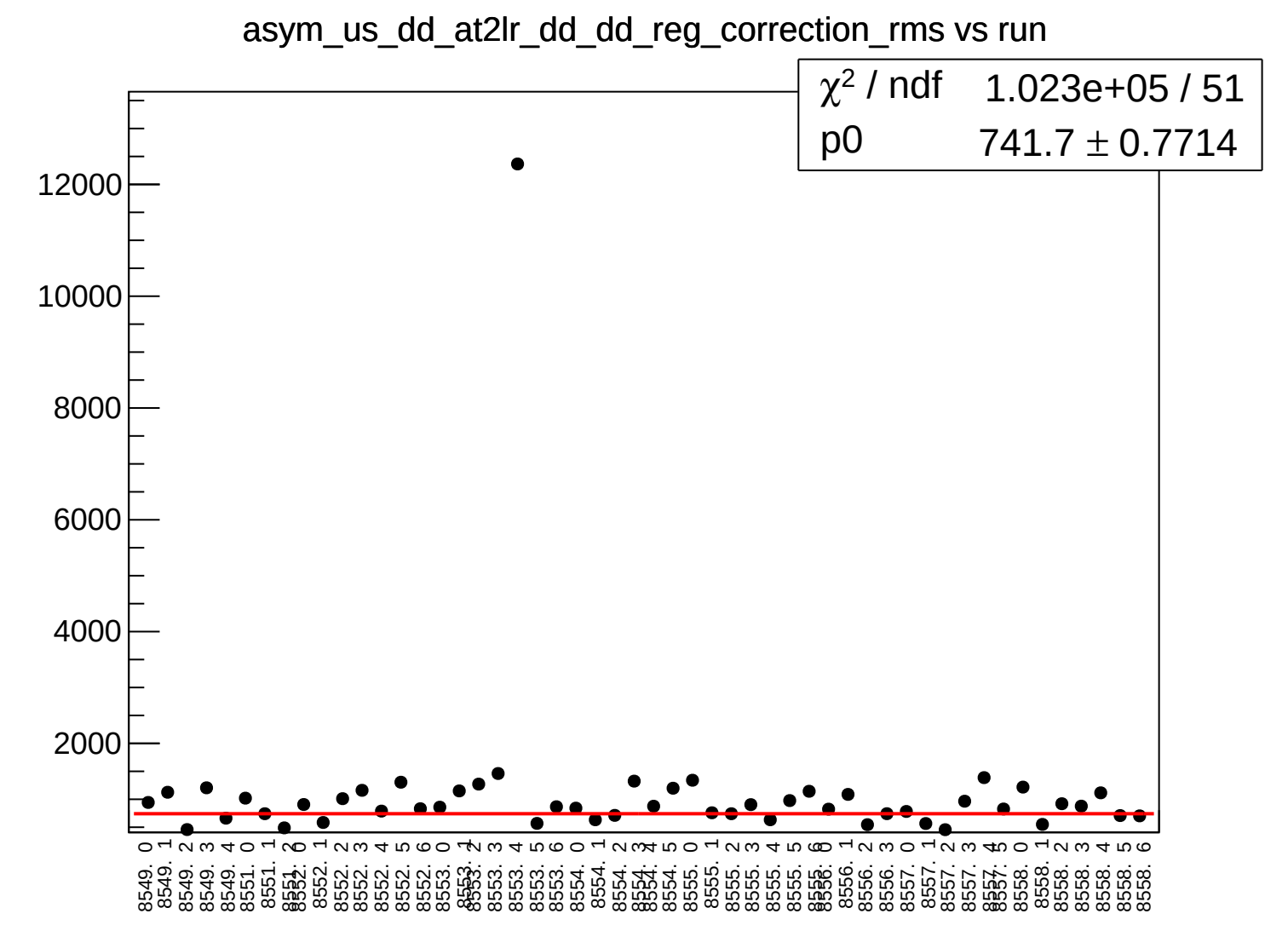

reg_asym_us_dd_at2lr_dd_dd_mean vs run
×10^3
χ² / ndf 47.98 / 50
p0 −1.58e+04 ± 4.44e+04
1000
500
0
−500
−1000
pull
Entries 51
Mean 195.9
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5

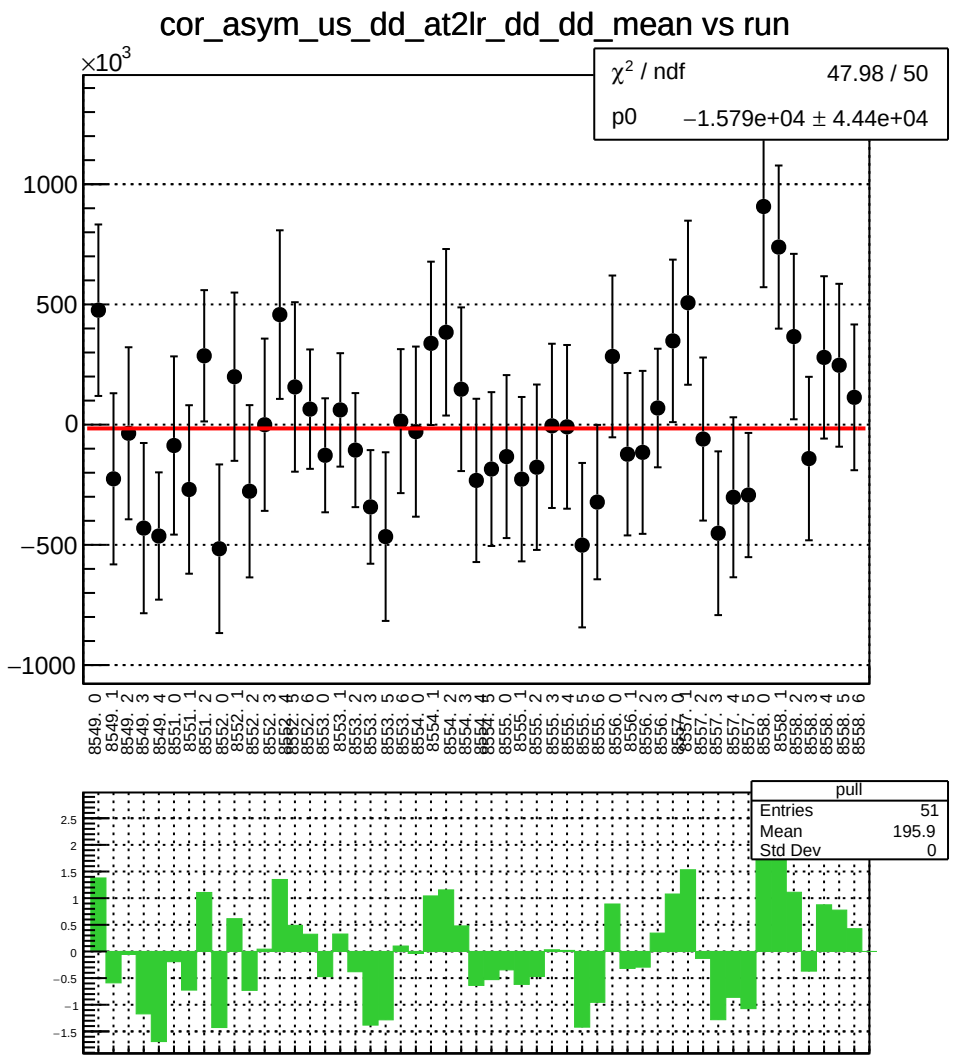

pull1D
Entries 51
Mean 0.02043
Std Dev 0.9697
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

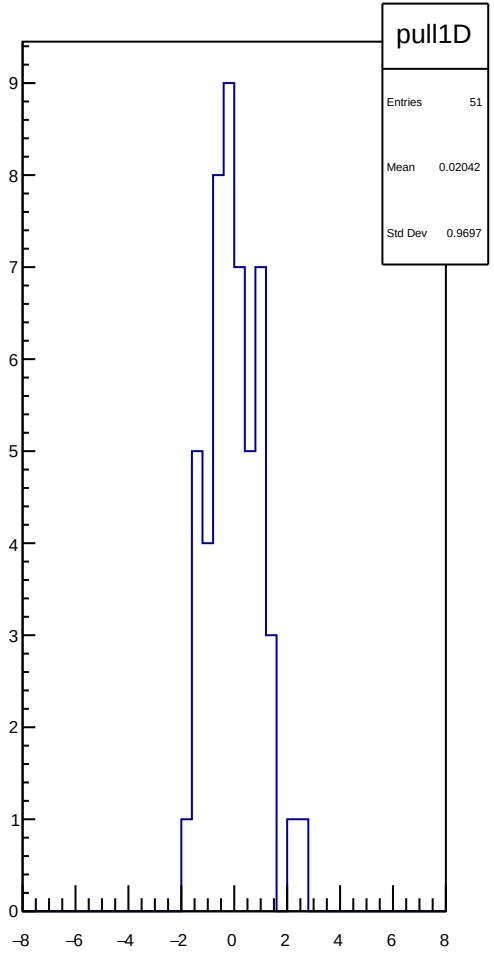

reg_asym_us_dd_at2lr_dd_dd_rms vs run
×10^3
800
700
600
500
400
300
200
100
χ² / ndf 3.017e+04 / 51
p0 3.134e+04 ± 31.39
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 0
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 1
8553. 2
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 3
8554. 4
8554. 5
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

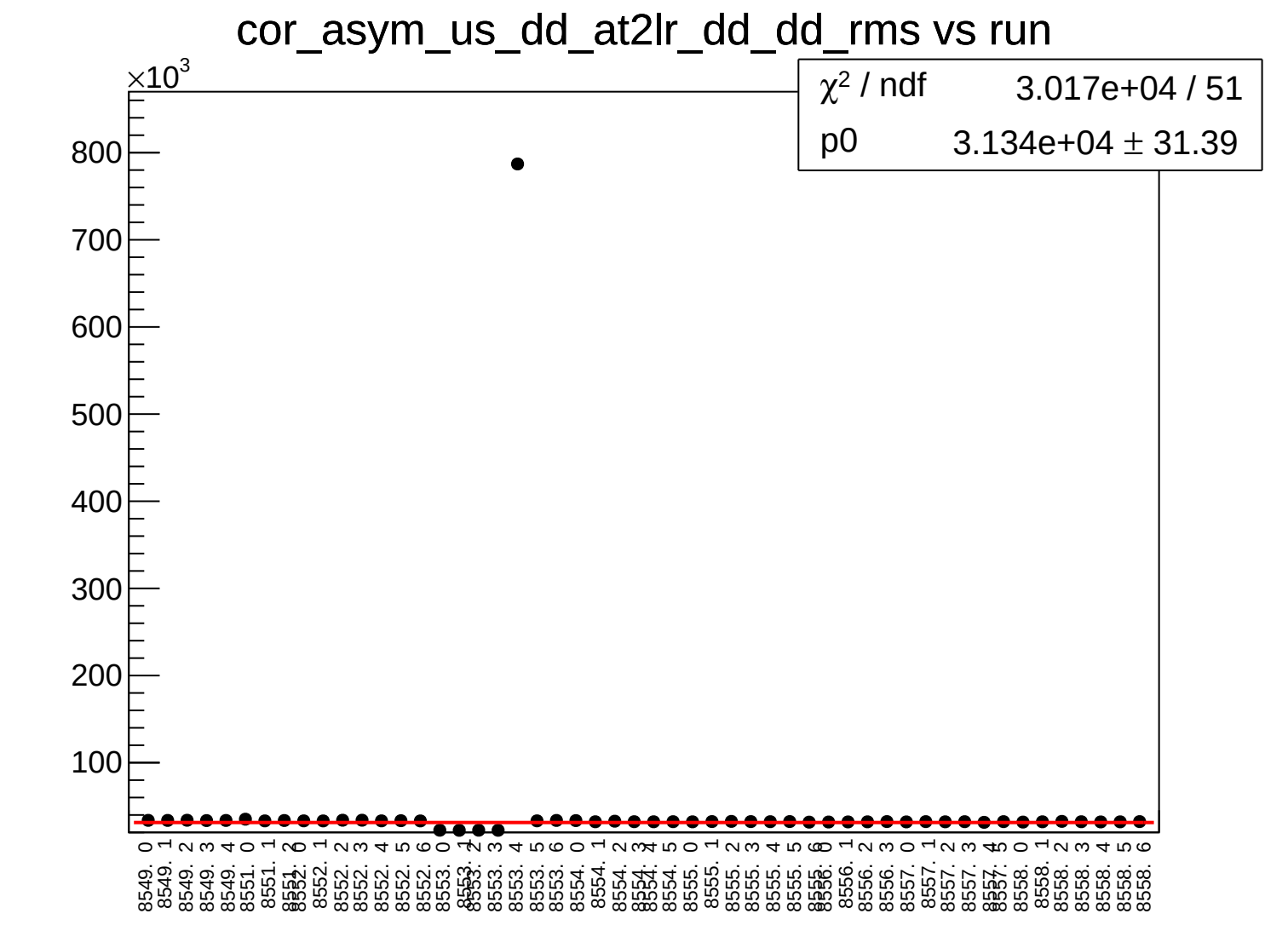

asym_us_dd_at2lr_dd_dd_reg_correction_mean vs run
×10^3
χ² / ndf 49.89 / 51
p0 −1296 ± 1091
pull
Entries 52
Mean 33.94
Std Dev 0

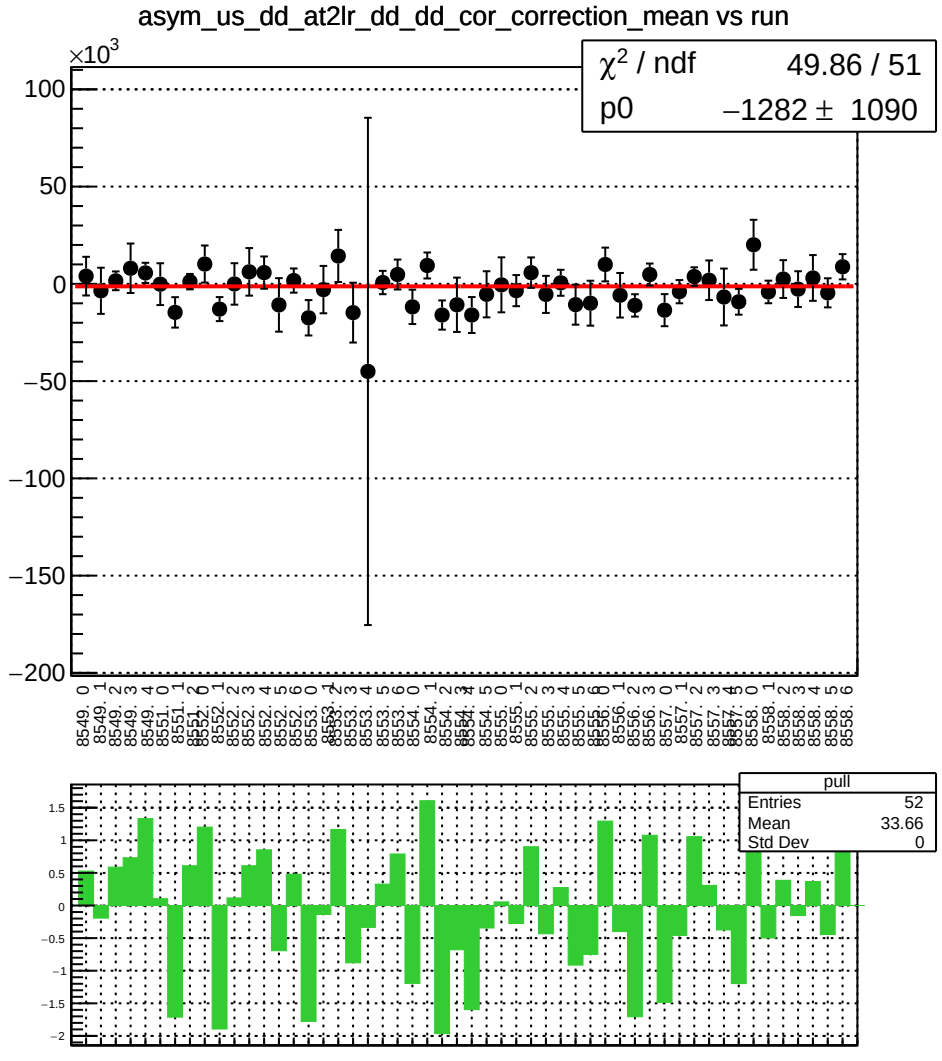

pull1D
Entries 52
Mean −0.04728
Std Dev 0.9784

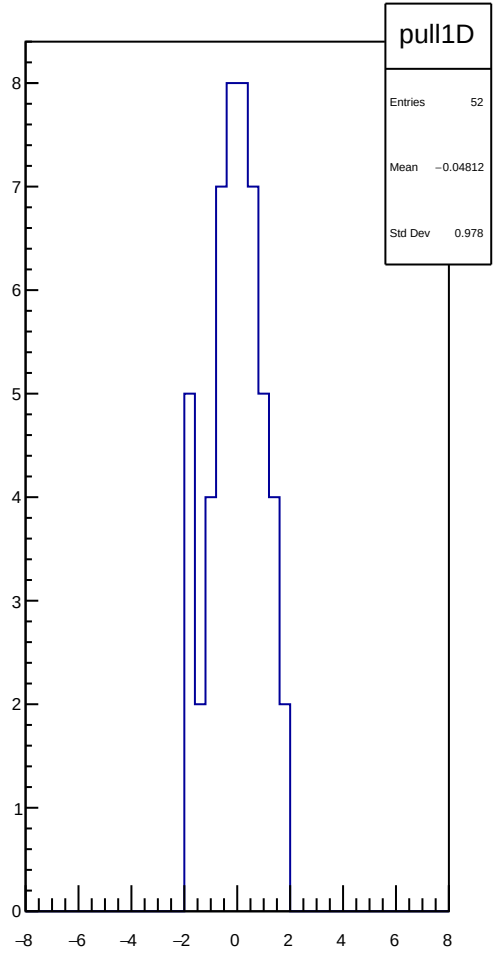

asym_us_dd_at2lr_dd_dd_reg_correction_rms vs run
χ² / ndf 1.023e+05 / 51
p0 741.7 ± 0.7714
12000
10000
8000
6000
4000
2000
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 0
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 5
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

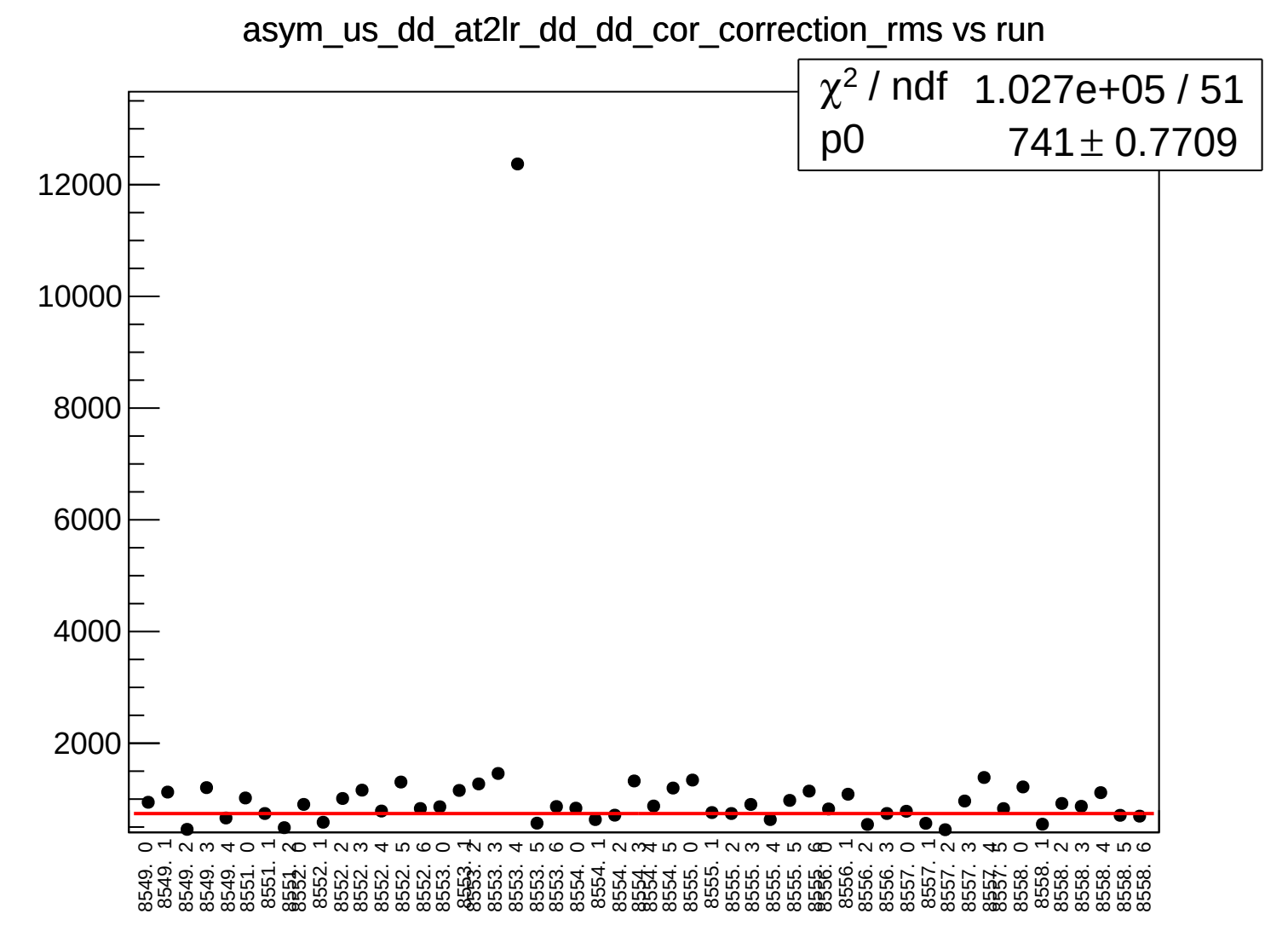

cor_asym_us_dd_at2lr_dd_dd_mean vs run
×10^3
χ² / ndf 47.98 / 50
p0 −1.579e+04 ± 4.44e+04
1000
500
0
−500
−1000
pull
Entries 51
Mean 195.9
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5


pull1D
Entries 51
Mean 0.02042
Std Dev 0.9697
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


cor_asym_us_dd_at2lr_dd_dd_rms vs run
×10^3
800
700
600
500
400
300
200
100
χ² / ndf 3.017e+04 / 51
p0 3.134e+04 ± 31.39
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 0
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 1
8553. 2
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 5
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6


asym_us_dd_at2lr_dd_dd_cor_correction_mean vs run
×10^3
χ² / ndf 49.86 / 51
p0 −1282 ± 1090
pull
Entries 52
Mean 33.66
Std Dev 0


pull1D
Entries 52
Mean −0.04812
Std Dev 0.978


asym_us_dd_at2lr_dd_dd_cor_correction_rms vs run
χ² / ndf 1.027e+05 / 51
p0 741 ± 0.7709
12000
10000
8000
6000
4000
2000
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 5
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
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8557. 3
8558. 0
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8558. 2
8558. 3
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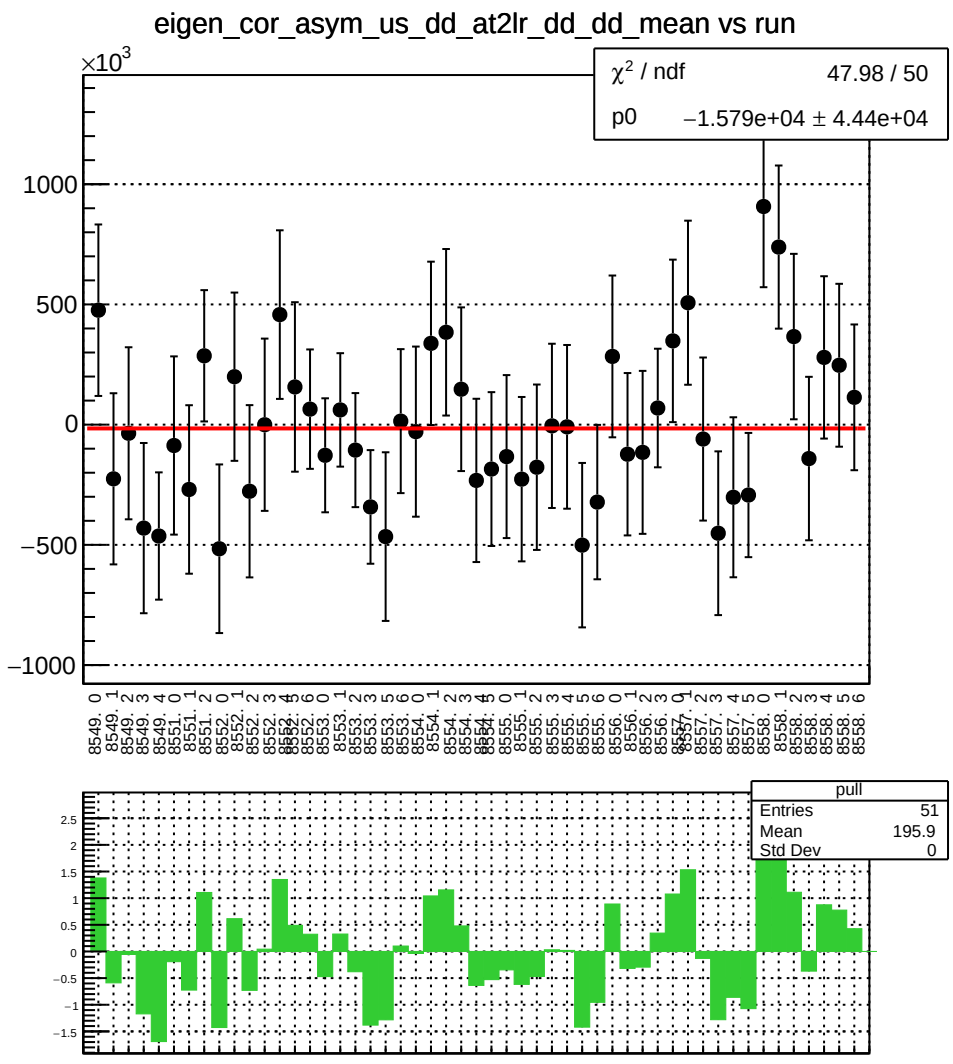
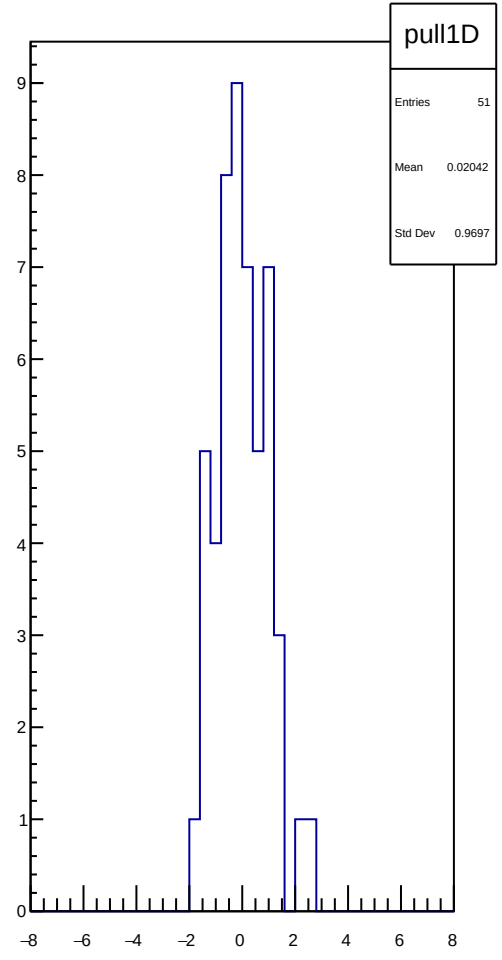
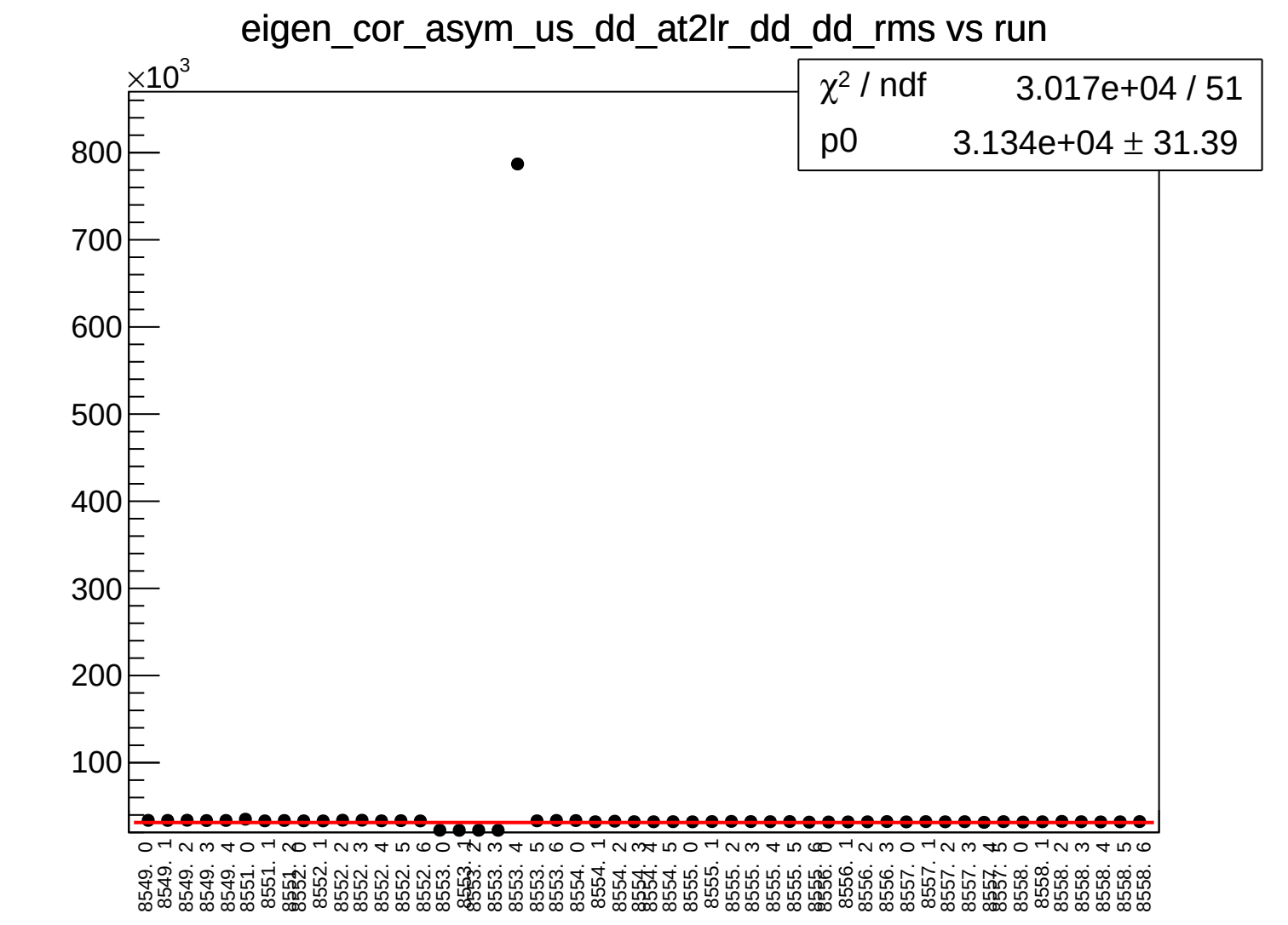
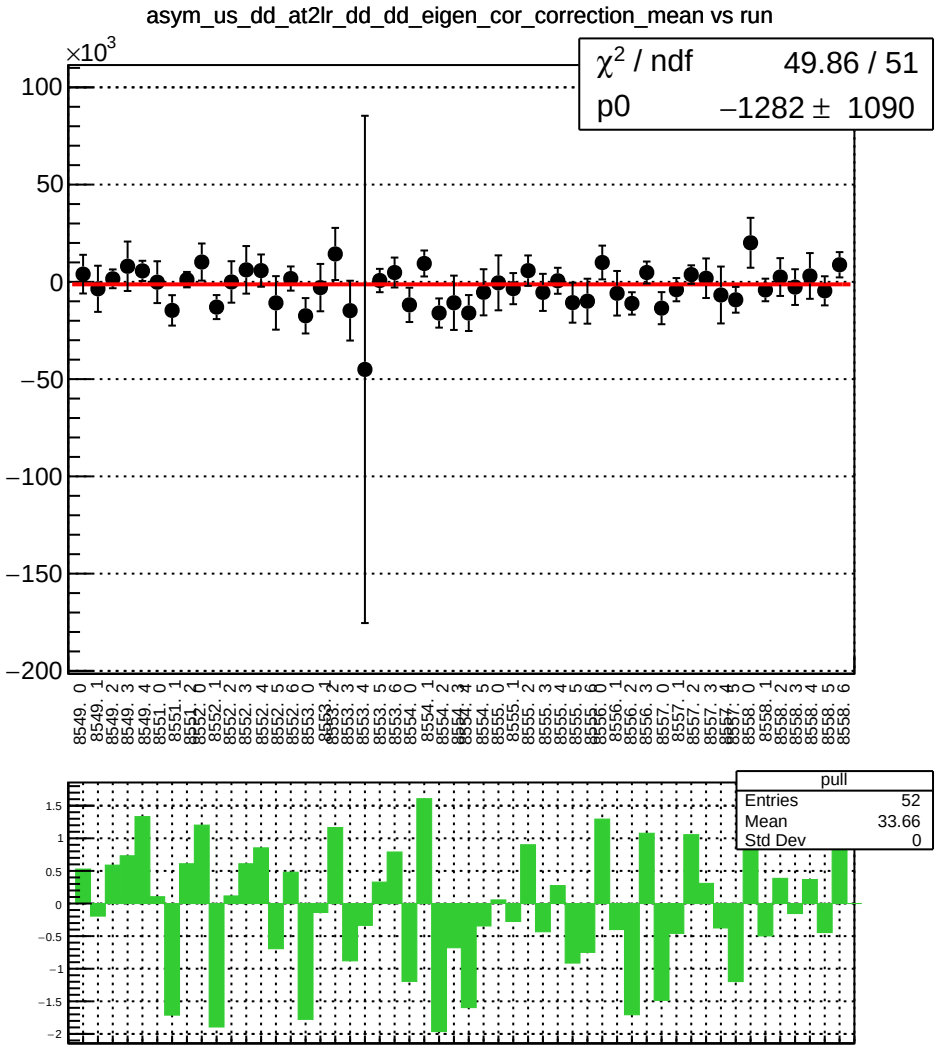
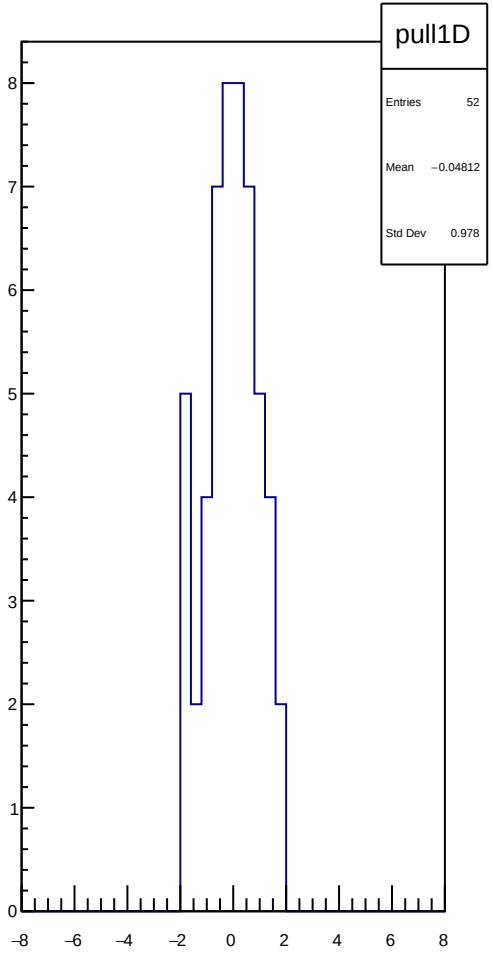
8558. 5
8558. 6

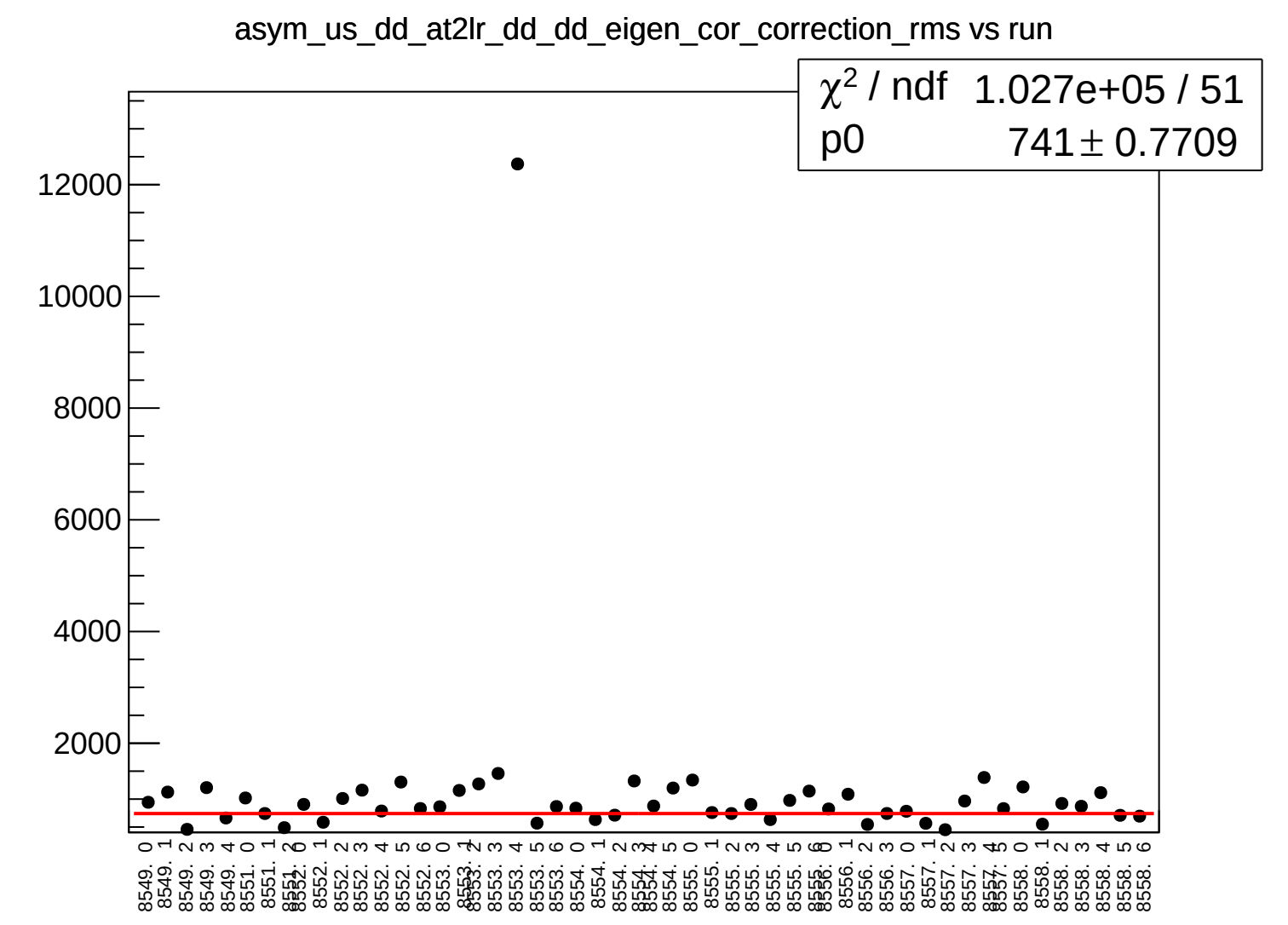

eigen_cor_asym_us_dd_at2lr_dd_dd_mean vs run
×10^3
χ² / ndf 47.98 / 50
p0 −1.579e+04 ± 4.44e+04
1000
500
0
−500
−1000
pull
Entries 51
Mean 195.9
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5

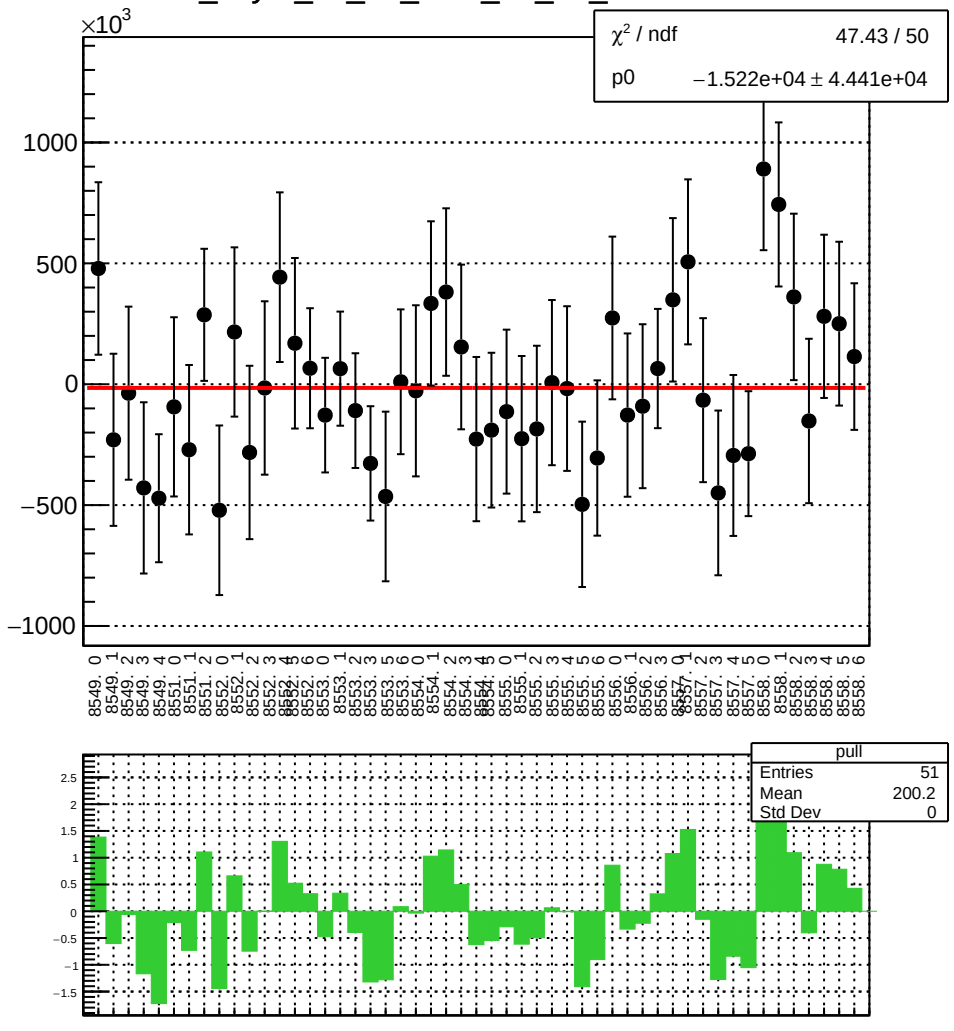

pull1D
Entries 51
Mean 0.02042
Std Dev 0.9697
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

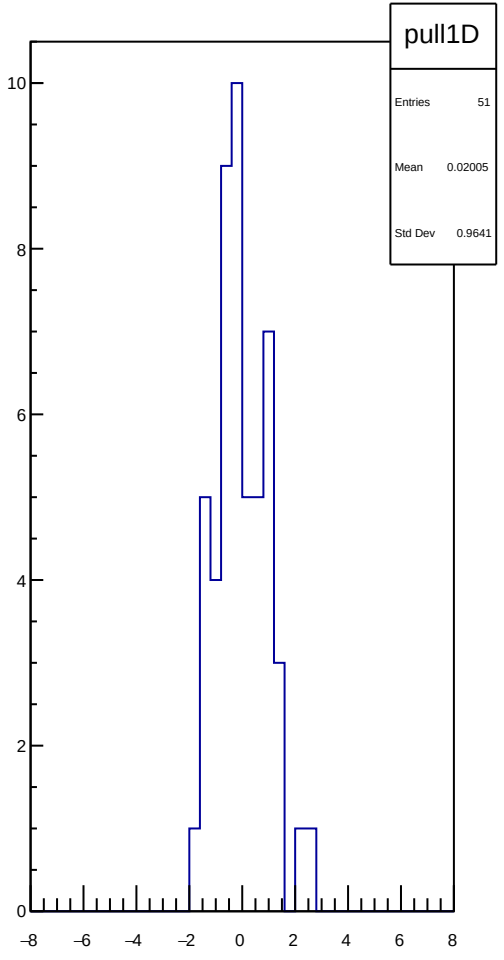

eigen_cor_asym_us_dd_at2lr_dd_dd_rms vs run
×10^3
χ² / ndf 3.017e+04 / 51
p0 3.134e+04 ± 31.39
800
700
600
500
400
300
200
100
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 0
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 1
8553. 2
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 5
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

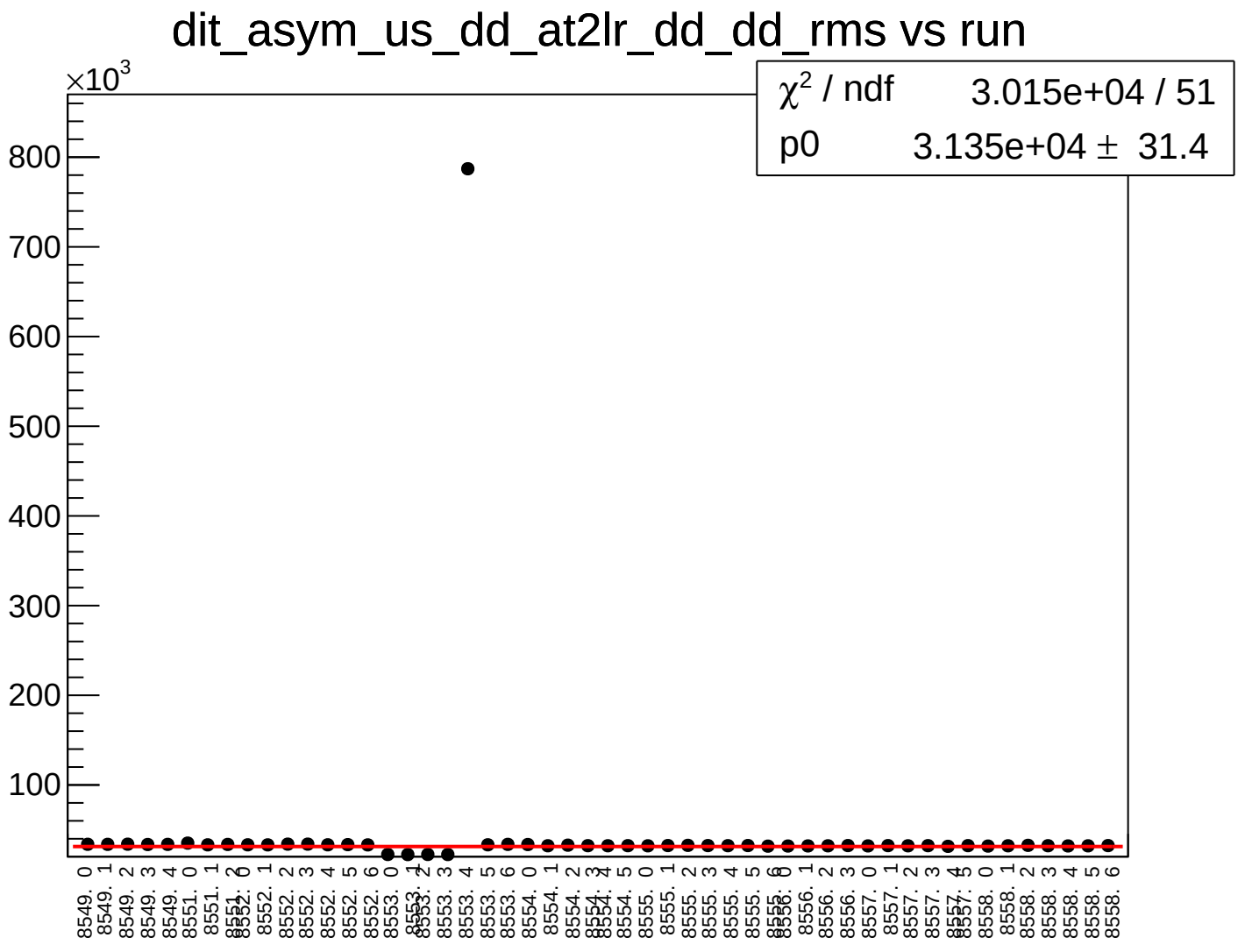

asym_us_dd_at2lr_dd_dd_eigen_cor_correction_mean vs run
×10^3
χ² / ndf 49.86 / 51
p0 −1282 ± 1090
pull
Entries 52
Mean 33.66
Std Dev 0

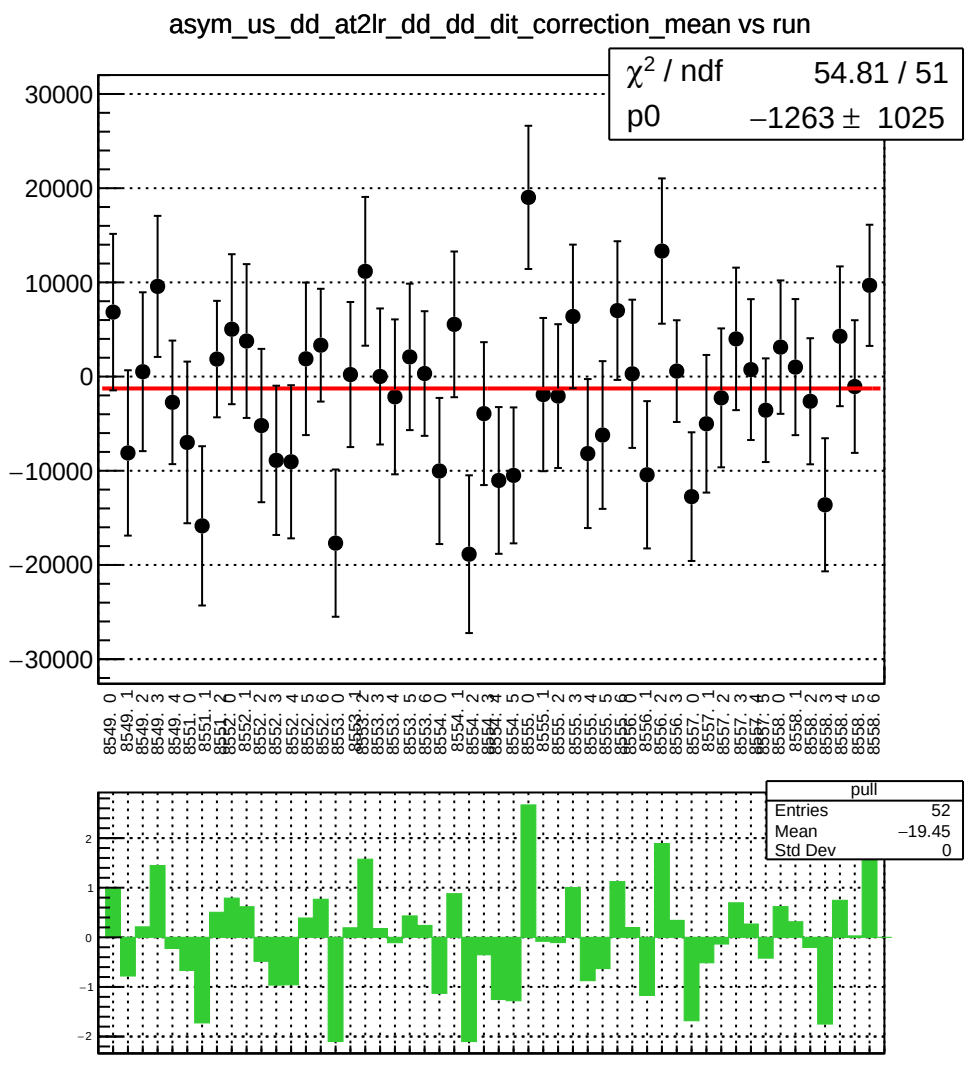

pull1D
Entries 52
Mean −0.04812
Std Dev 0.978

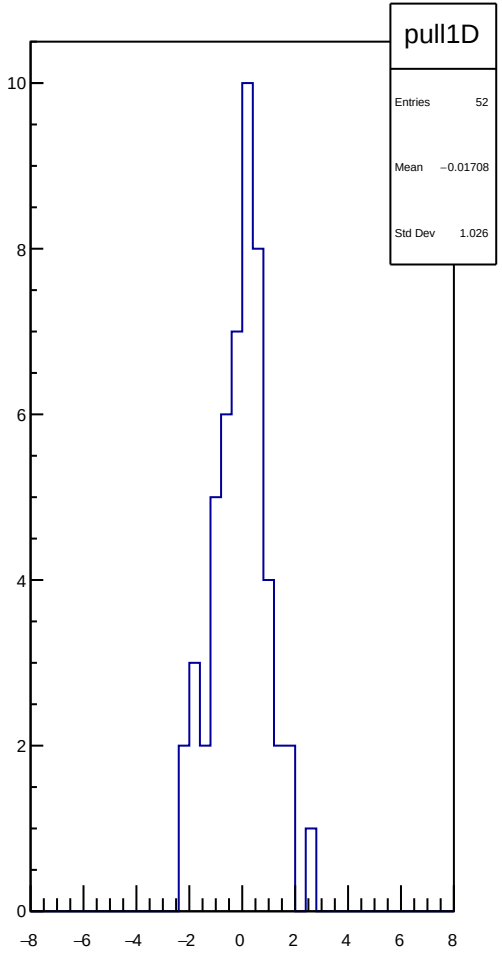

asym_us_dd_at2lr_dd_dd_eigen_cor_correction_rms vs run
χ² / ndf 1.027e+05 / 51
p0 741 ± 0.7709
12000
10000
8000
6000
4000
2000
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 0
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 5
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

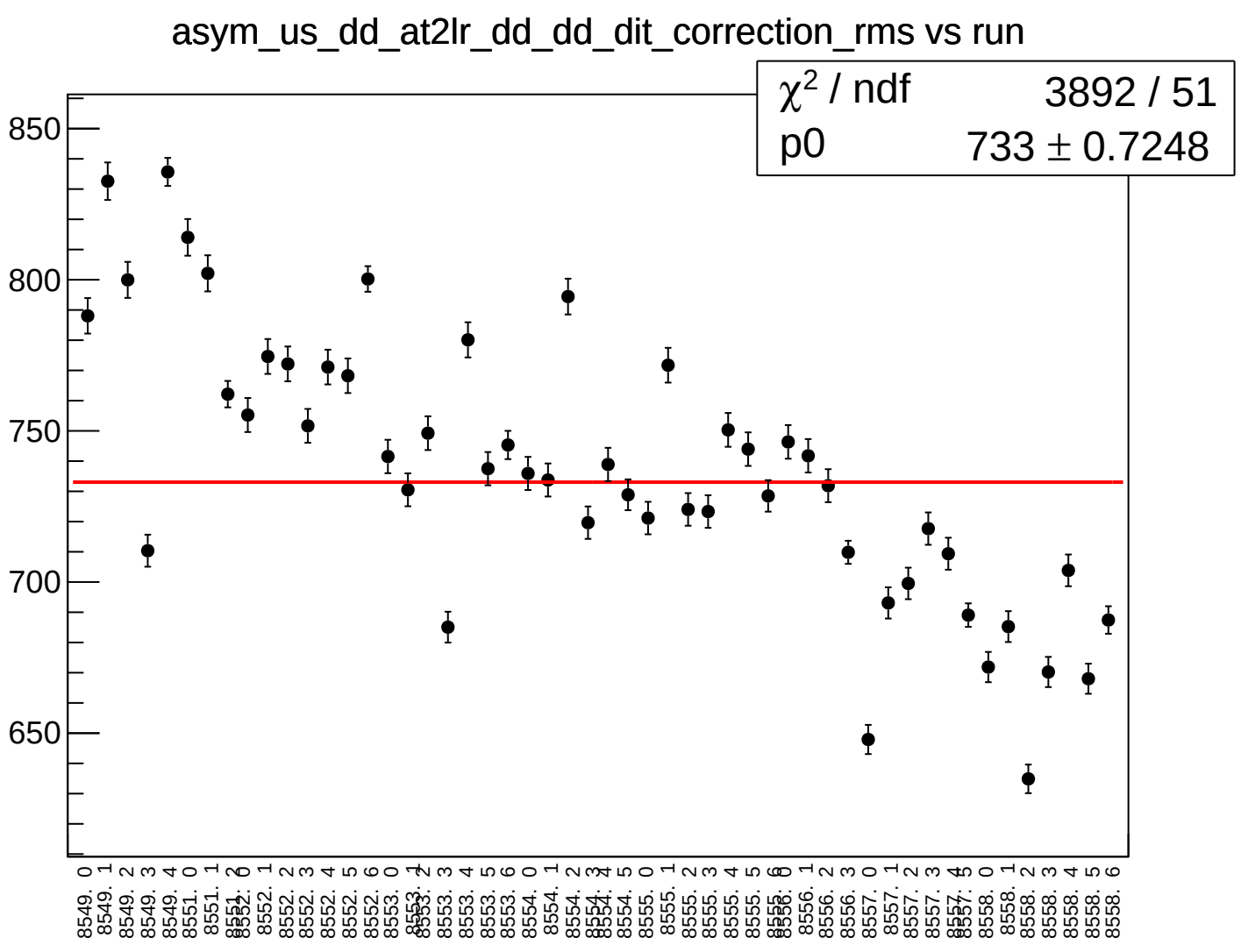

dit_asym_us_dd_at2lr_dd_dd_mean vs run
×10^3
χ² / ndf 47.43 / 50
p0 −1.522e+04 ± 4.441e+04
1000
500
0
−500
−1000
pull
Entries 51
Mean 200.2
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5

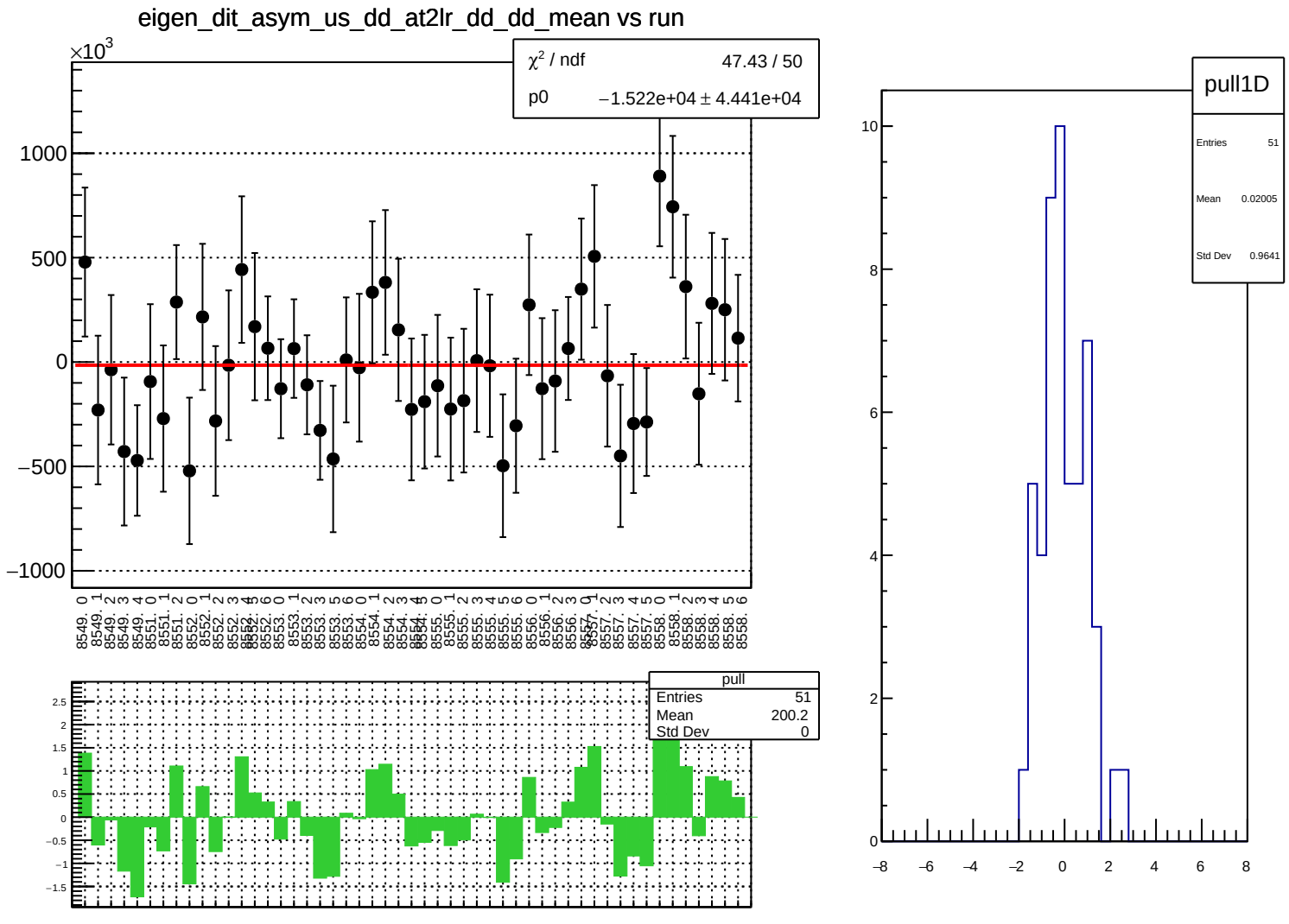

pull1D
Entries 51
Mean 0.02005
Std Dev 0.9641
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

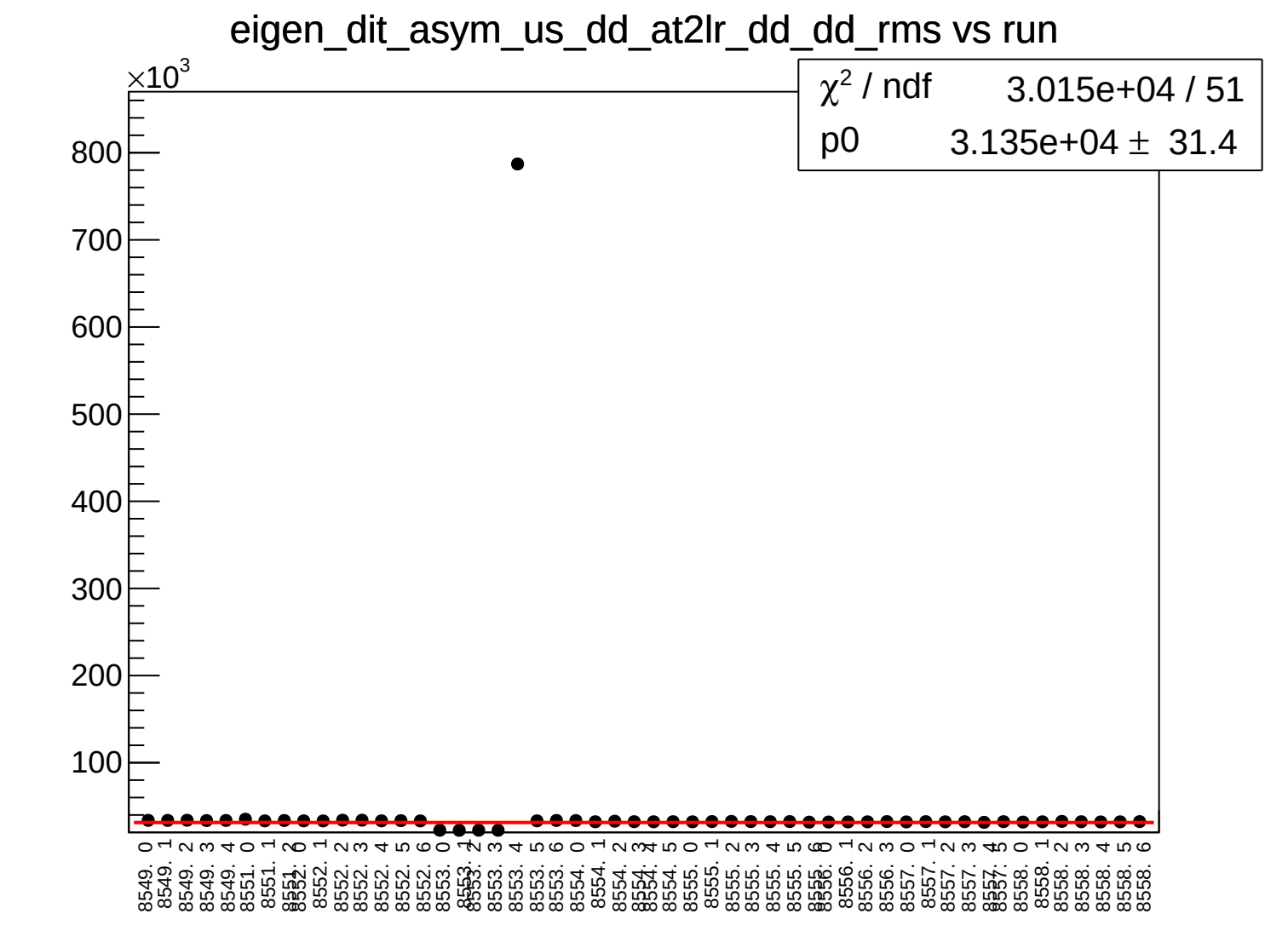

dit_asym_us_dd_at2lr_dd_dd_rms vs run
×10^3
χ^2 / ndf 3.015e+04 / 51
p0 3.135e+04 ± 31.4
800
700
600
500
400
300
200
100
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 5
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6


asym_us_dd_at2lr_dd_dd_dit_correction_mean vs run
χ² / ndf 54.81 / 51
p0 −1263 ± 1025
30000
20000
10000
0
−10000
−20000
−30000
pull
Entries 52
Mean −19.45
Std Dev 0
2
1
0
−1
−2

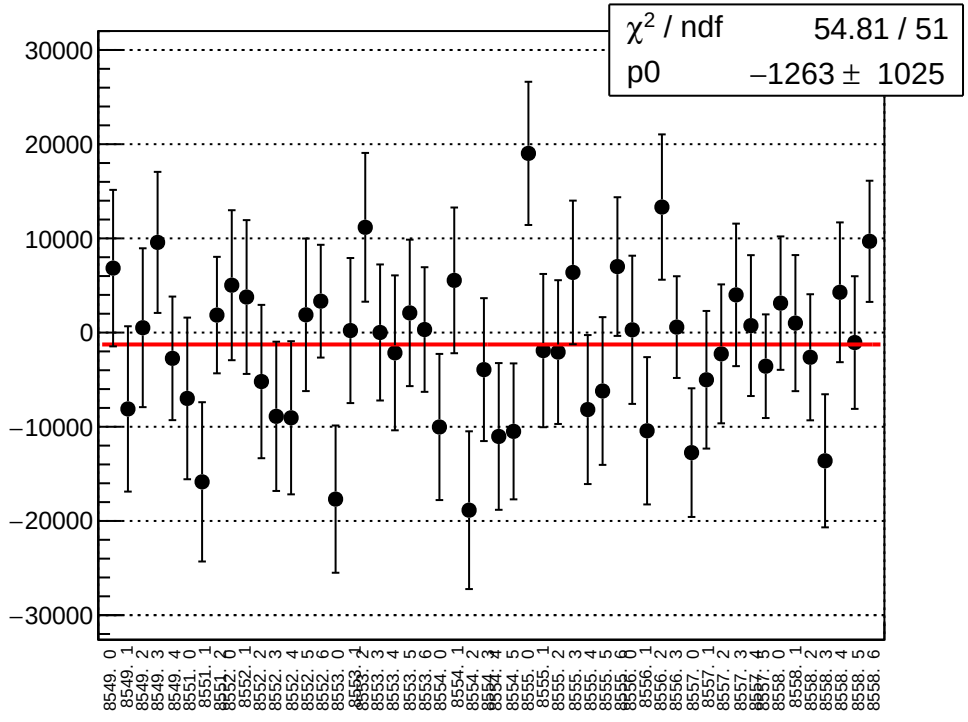

pull1D
Entries 52
Mean −0.01708
Std Dev 1.026
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

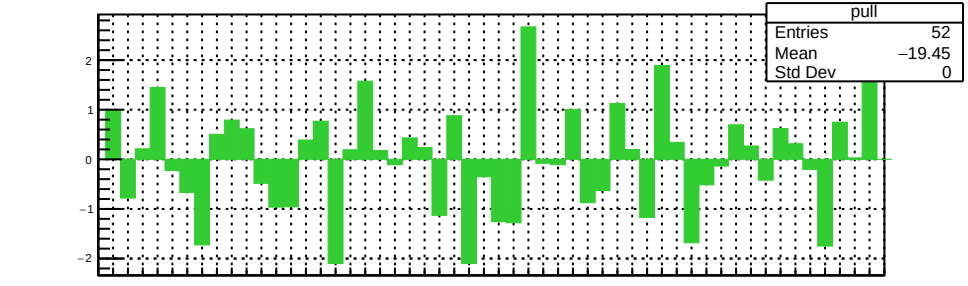

asym_us_dd_at2lr_dd_dd_dit_correction_rms vs run
χ² / ndf 3892 / 51
p0 733 ± 0.7248
850
800
750
700
650
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

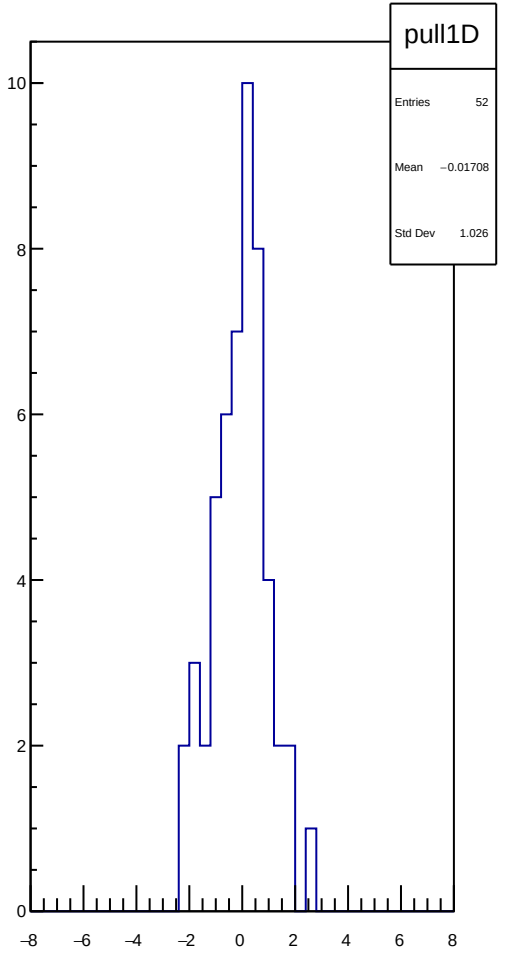

eigen_dit_asym_us_dd_at2lr_dd_dd_mean vs run
×10^3
χ² / ndf 47.43 / 50
p0 −1.522e+04 ± 4.441e+04
1000
500
0
−500
−1000
pull
Entries 51
Mean 200.2
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 51
Mean 0.02005
Std Dev 0.9641
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

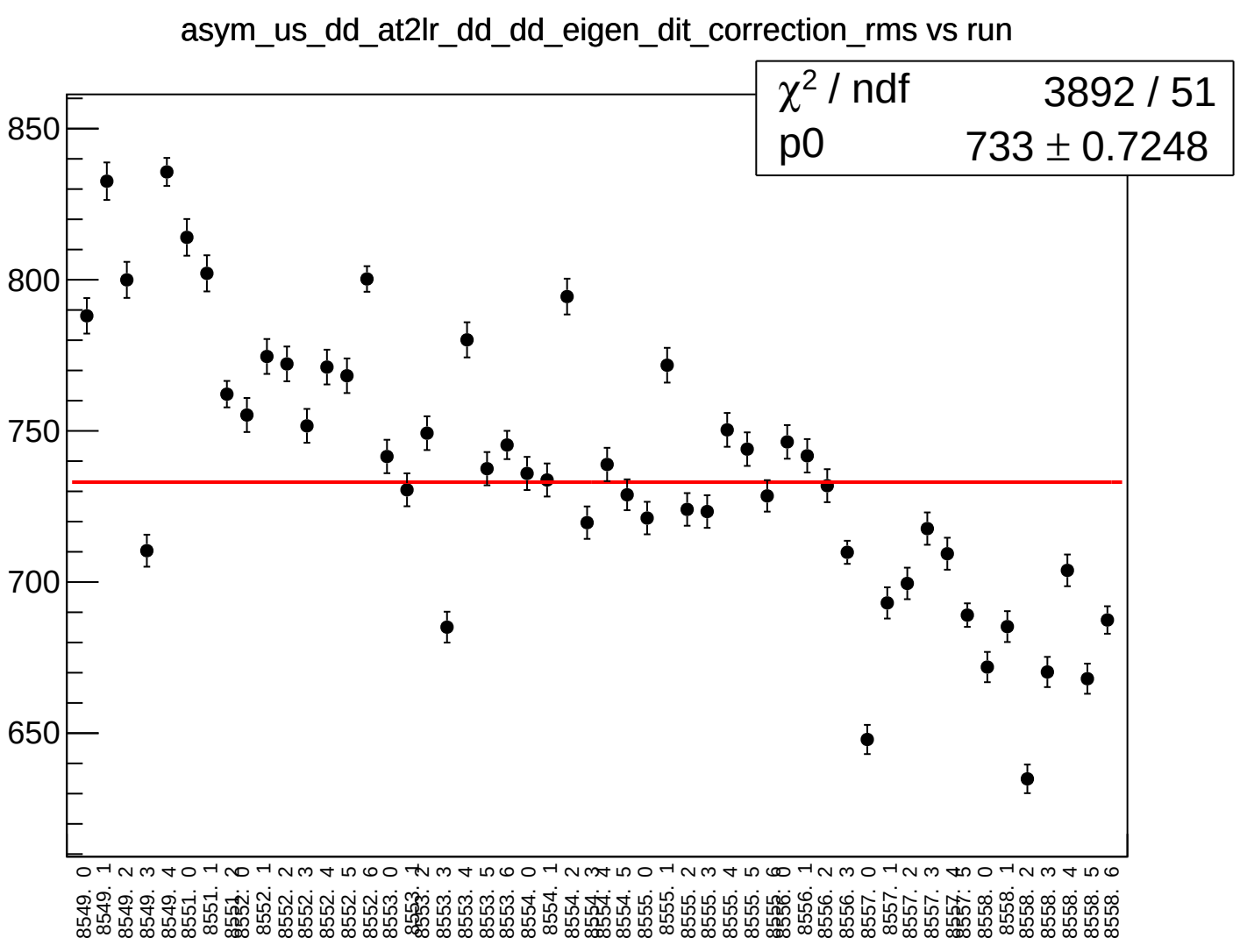

eigen_dit_asym_us_dd_at2lr_dd_dd_rms vs run
×10^3
800
700
600
500
400
300
200
100
χ² / ndf 3.015e+04 / 51
p0 3.135e+04 ± 31.4
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

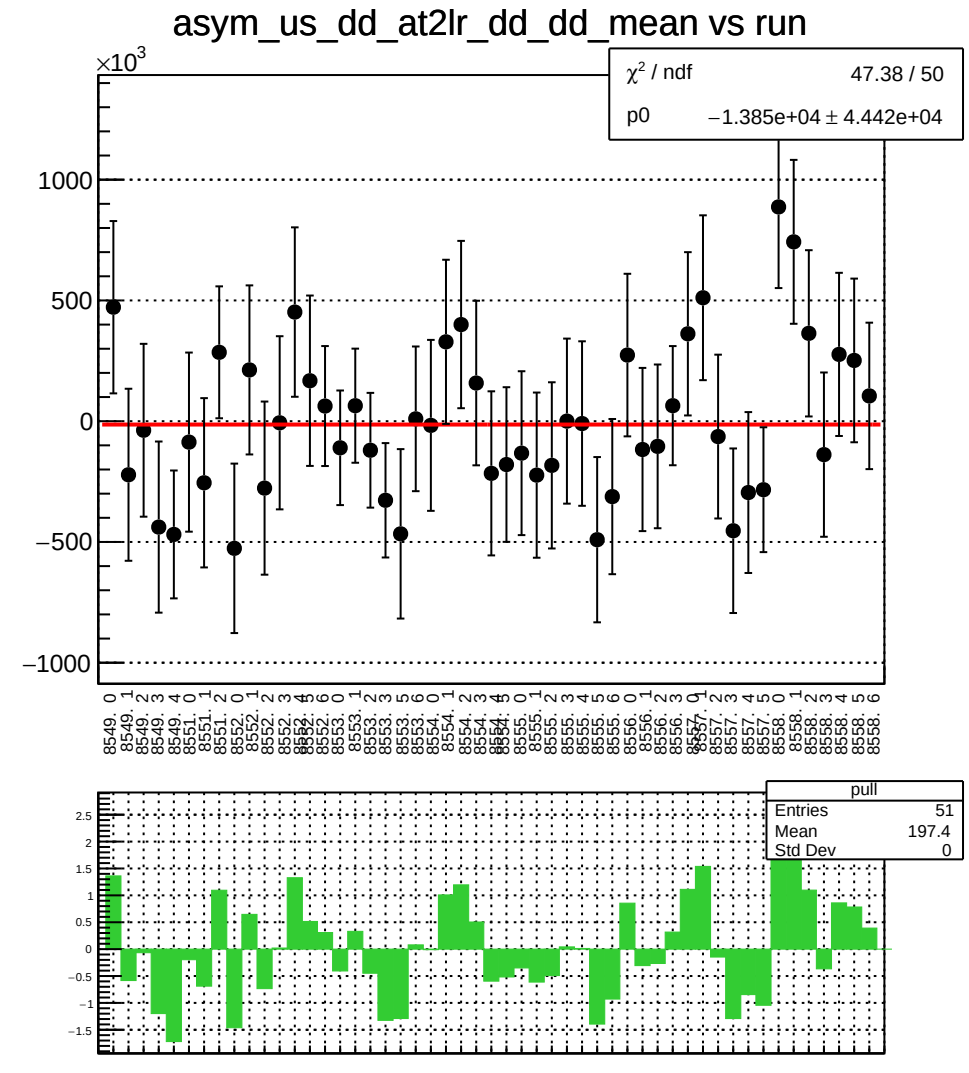
asym_us_dd_at2lr_dd_dd_eigen_dit_correction_mean vs run

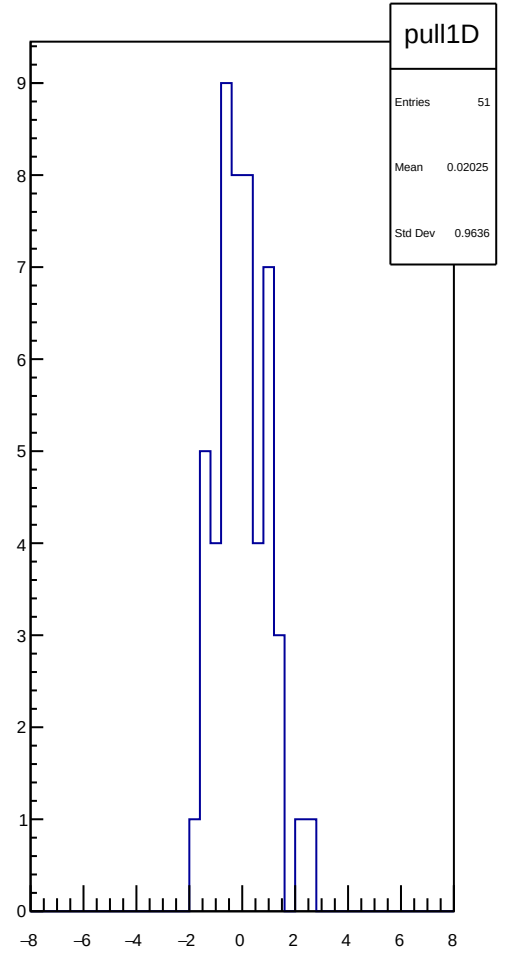


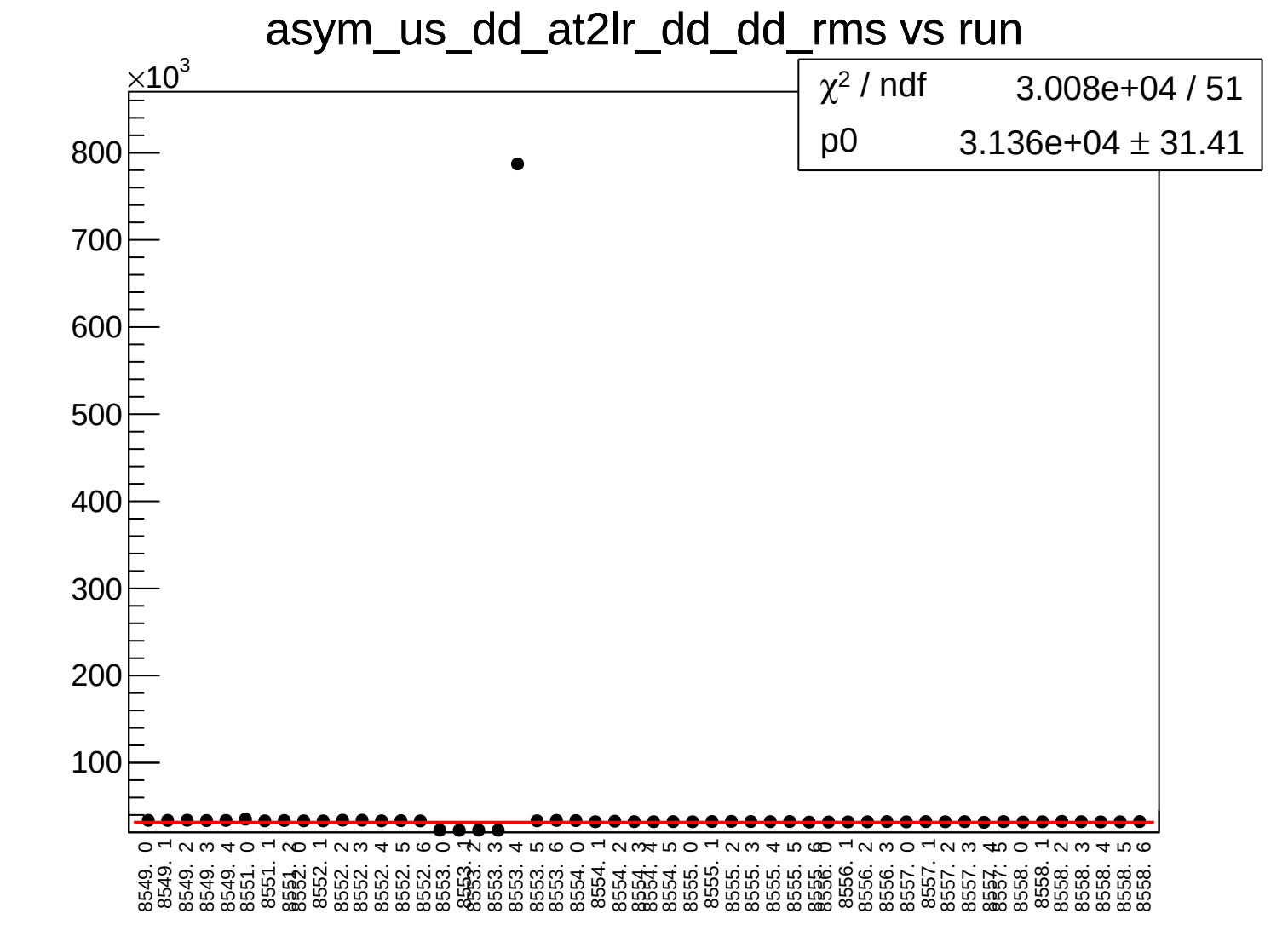


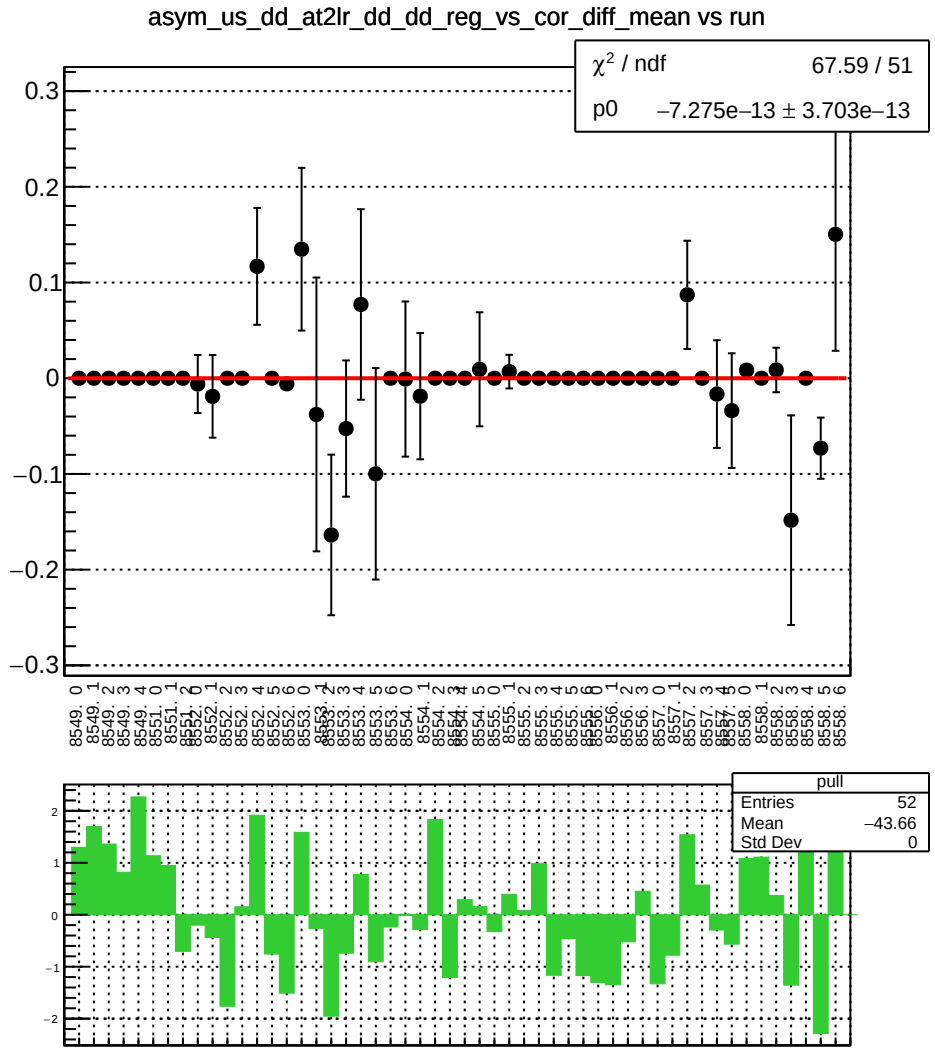


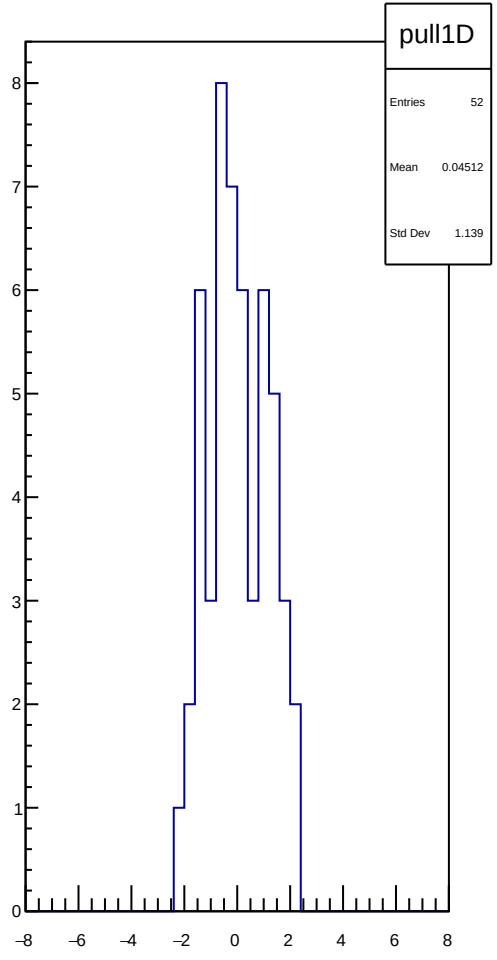

asym_us_dd_at2lr_dd_dd_eigen_dit_correction_rms vs run
χ² / ndf 3892 / 51
p0 733 ± 0.7248
850
800
750
700
650
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

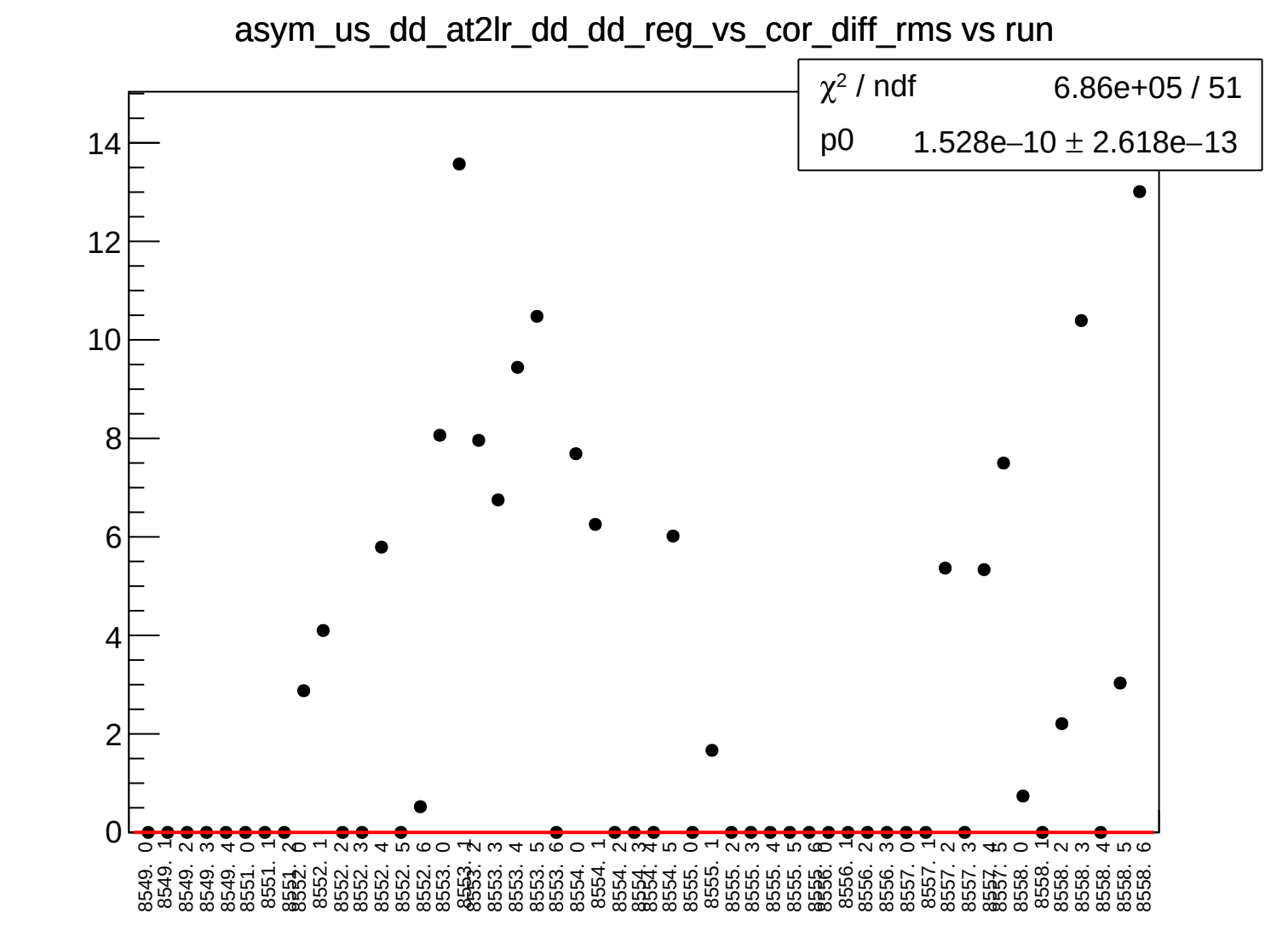

asym_us_dd_at2lr_dd_dd_mean vs run
×10^3
χ² / ndf 47.38 / 50
p0 −1.385e+04 ± 4.442e+04
1000
500
0
−500
−1000
pull
Entries 51
Mean 197.4
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5

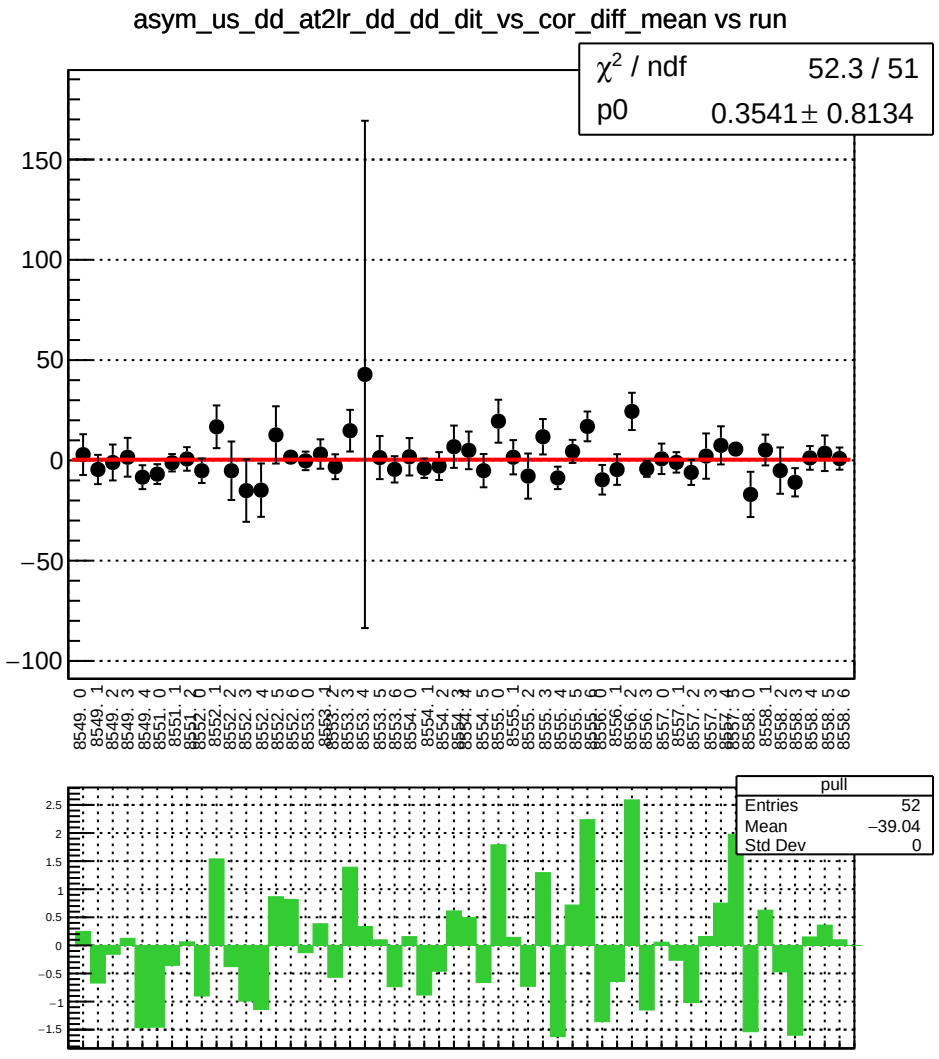

pull1D
Entries 51
Mean 0.02025
Std Dev 0.9636
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

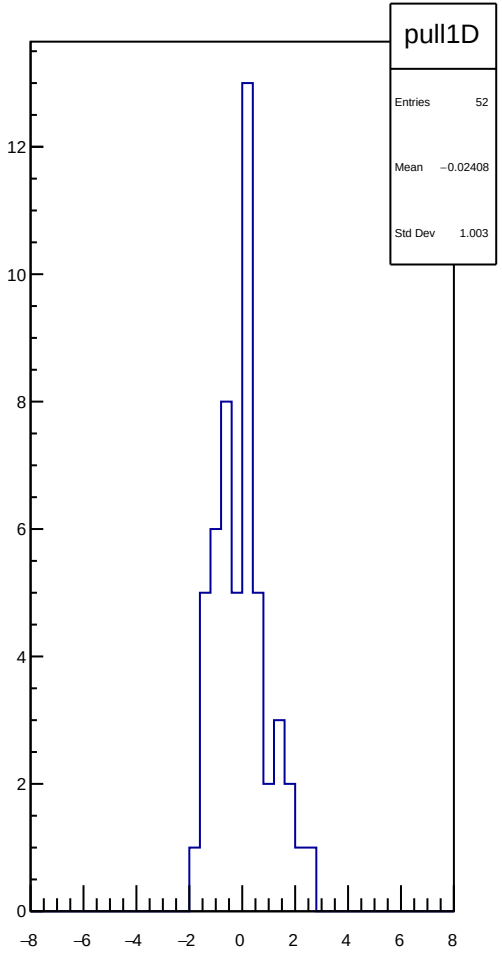

asym_us_dd_at2lr_dd_dd_rms vs run
×10^3
χ² / ndf 3.008e+04 / 51
p0 3.136e+04 ± 31.41
800
700
600
500
400
300
200
100
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 5
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

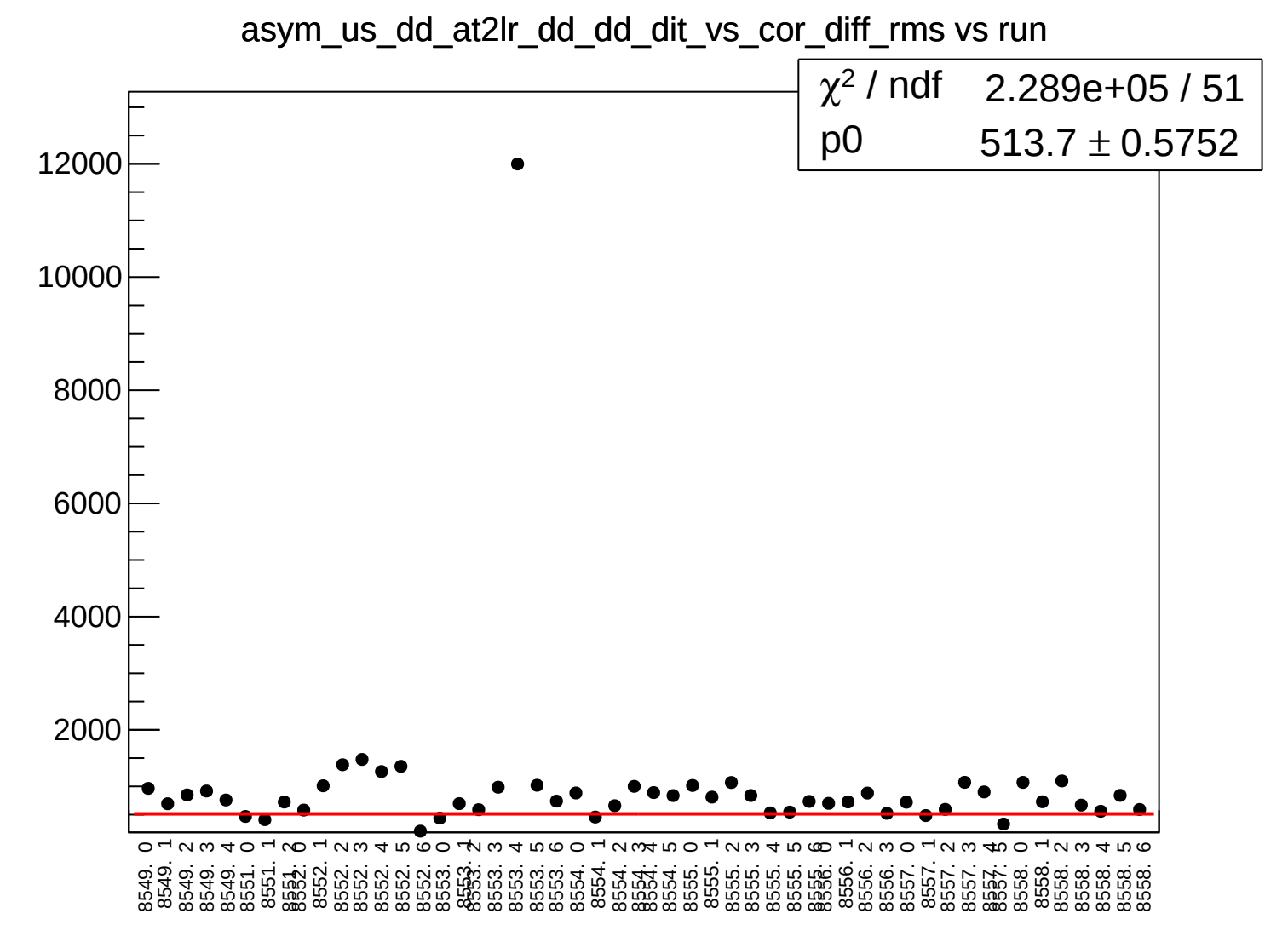

asym_us_dd_at2lr_dd_dd_reg_vs_cor_diff_mean vs run
χ² / ndf 67.59 / 51
p0 −7.275e−13 ± 3.703e−13
pull
Entries 52
Mean −43.66
Std Dev 0


pull1D
Entries 52
Mean 0.04512
Std Dev 1.139


asym_us_dd_at2lr_dd_dd_reg_vs_cor_diff_rms vs run
χ² / ndf 6.86e+05 / 51
p0 1.528e−10 ± 2.618e−13
0
2
4
6
8
10
12
14
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 0
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 1
8553. 2
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 3
8554. 4
8554. 5
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8555. 6
8556. 0
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8557. 4
8557. 5
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6


asym_us_dd_at2lr_dd_dd_dit_vs_cor_diff_mean vs run
χ² / ndf 52.3 / 51
p0 0.3541 ± 0.8134
150
100
50
0
−50
−100
pull
Entries 52
Mean −39.04
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5


pull1D
Entries 52
Mean −0.02408
Std Dev 1.003
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


asym_us_dd_at2lr_dd_dd_dit_vs_cor_diff_rms vs run
χ² / ndf 2.289e+05 / 51
p0 513.7 ± 0.5752
12000
10000
8000
6000
4000
2000
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
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8557. 2
8557. 3
8558. 0
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8558. 3
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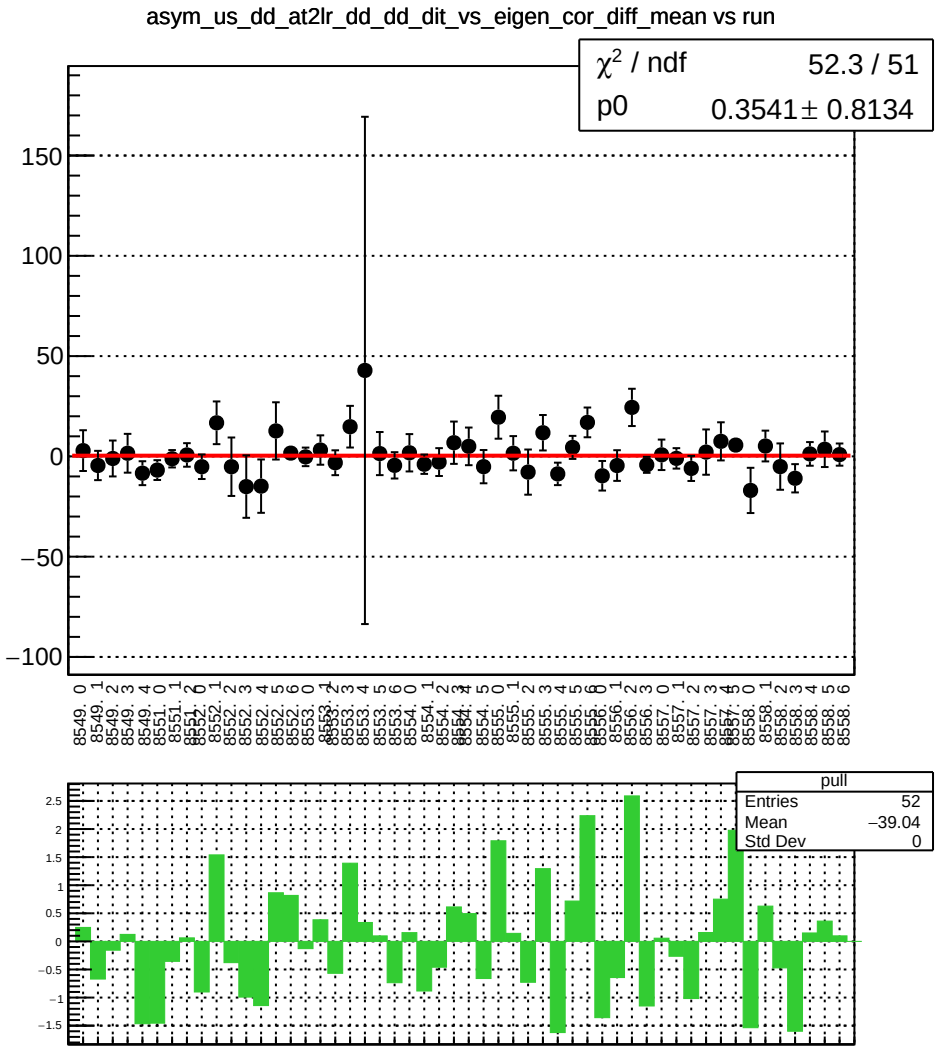
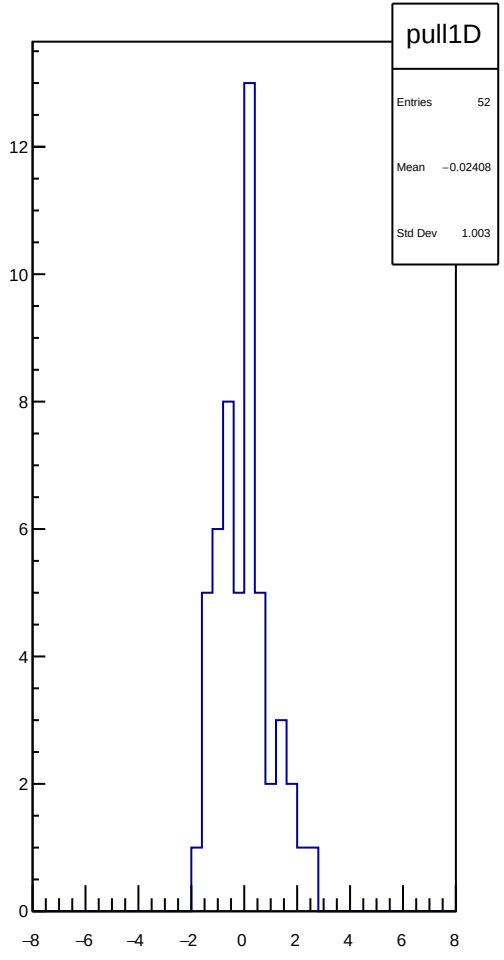
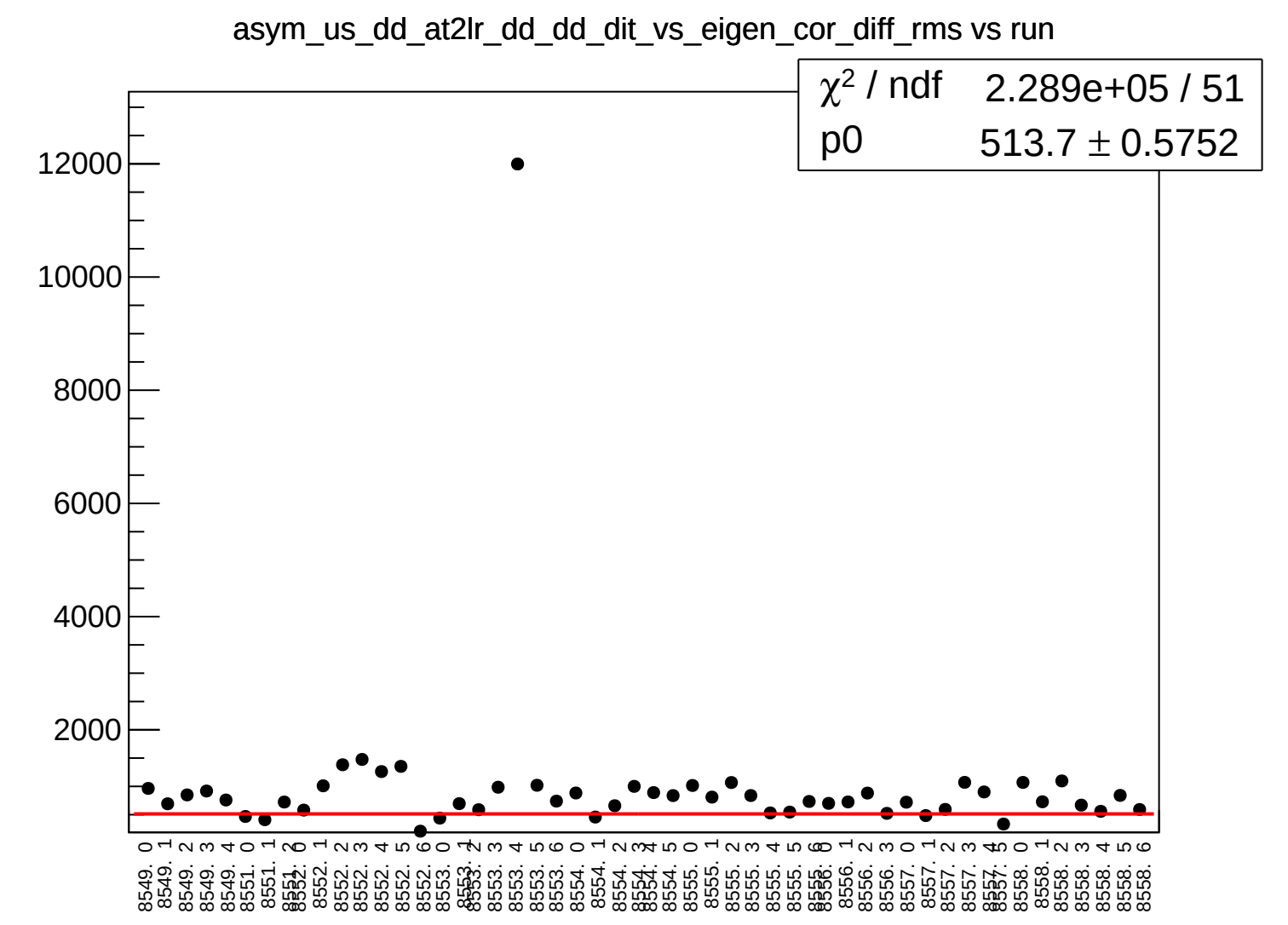
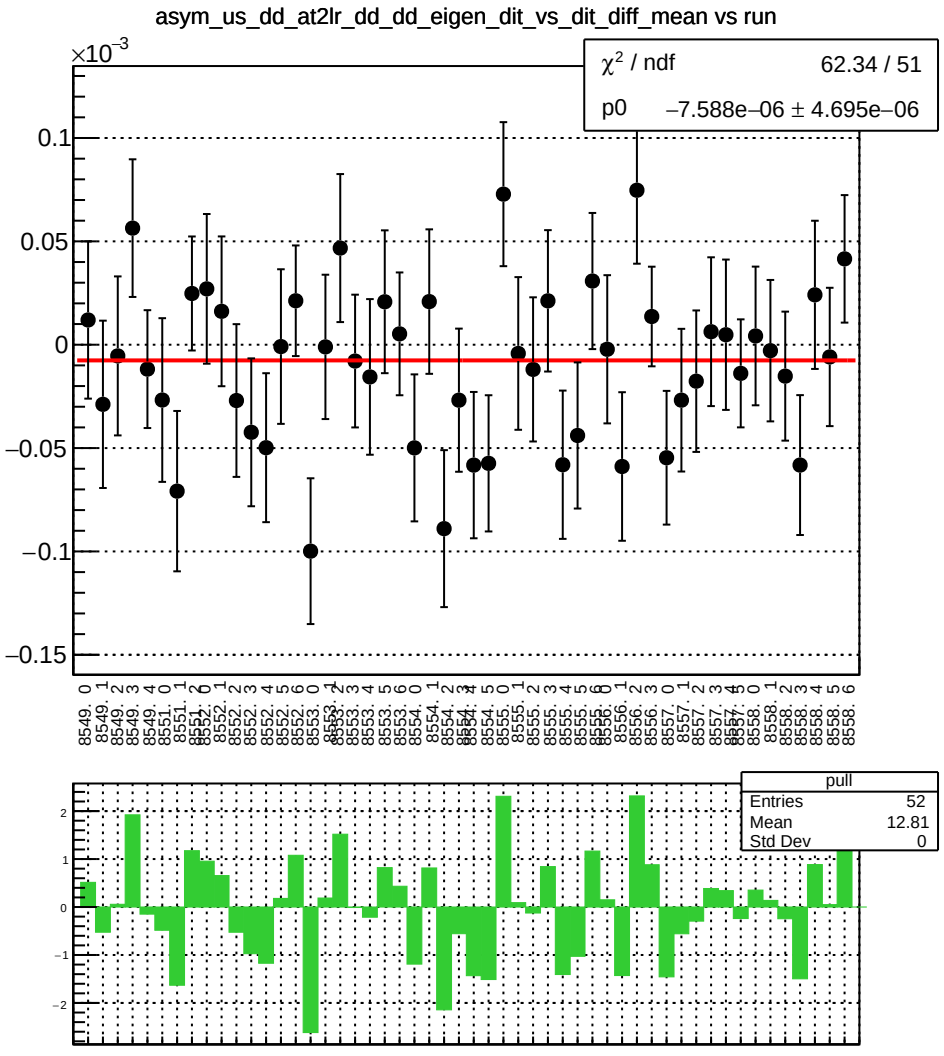
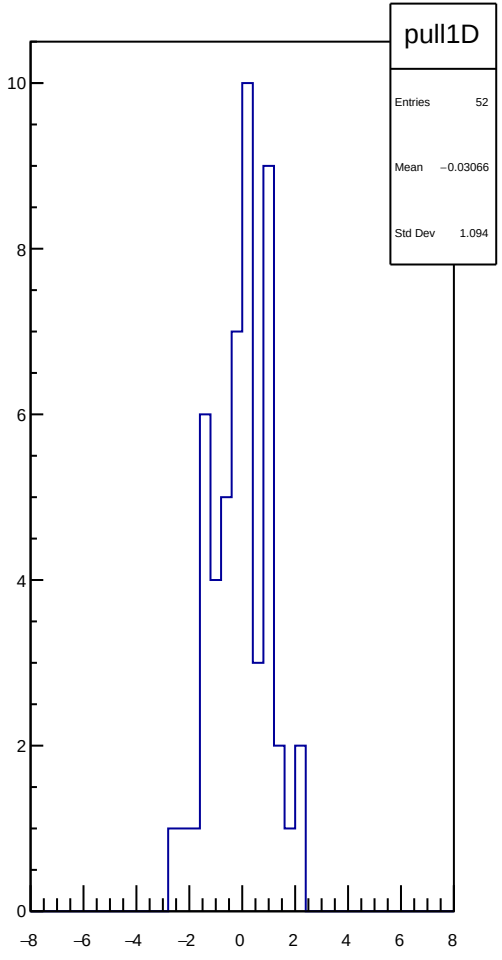
8558. 5
8558. 6

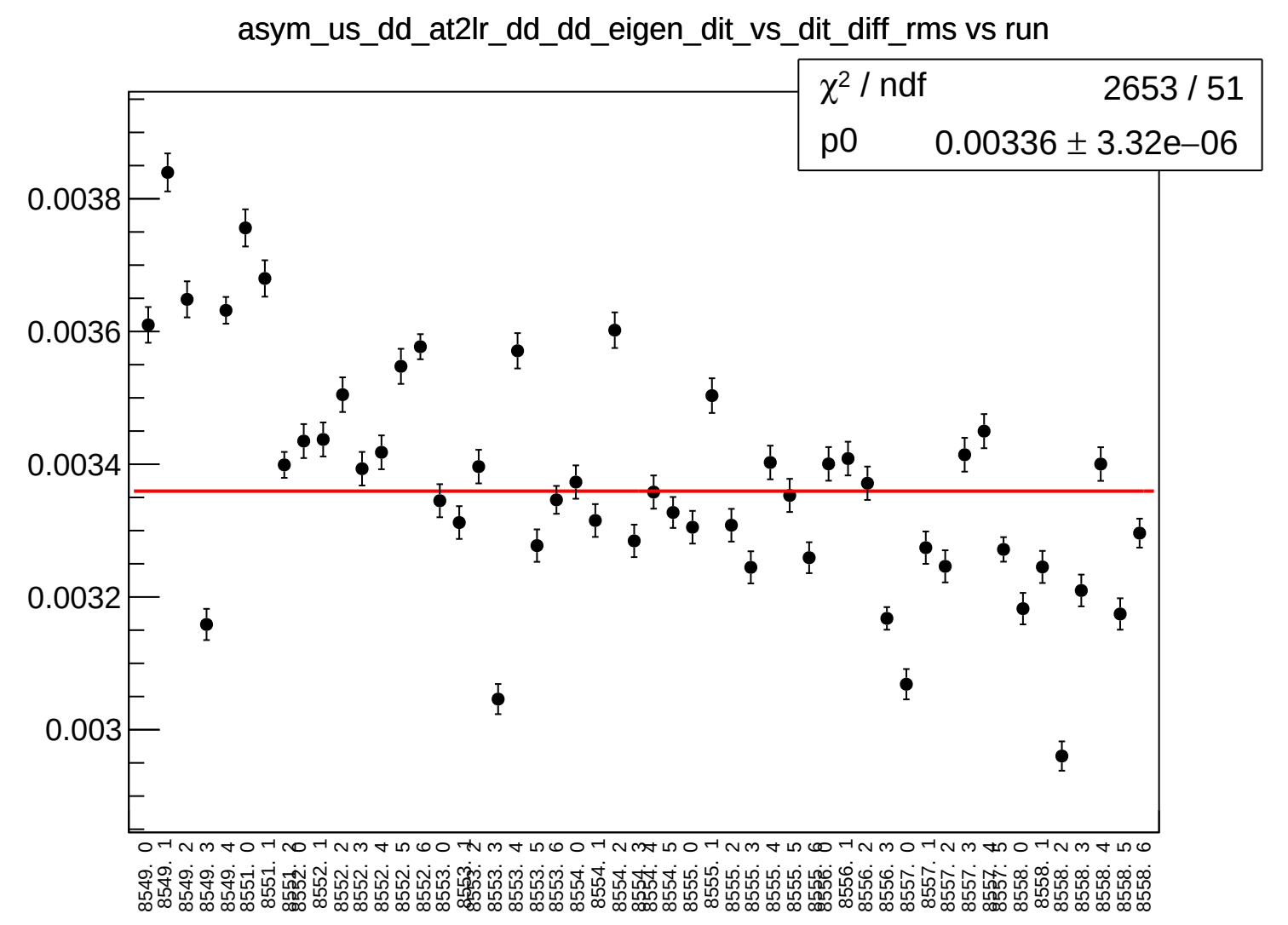

asym_us_dd_at2lr_dd_dd_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 52.3 / 51
p0 0.3541 ± 0.8134
150
100
50
0
−50
−100
pull
Entries 52
Mean −39.04
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5

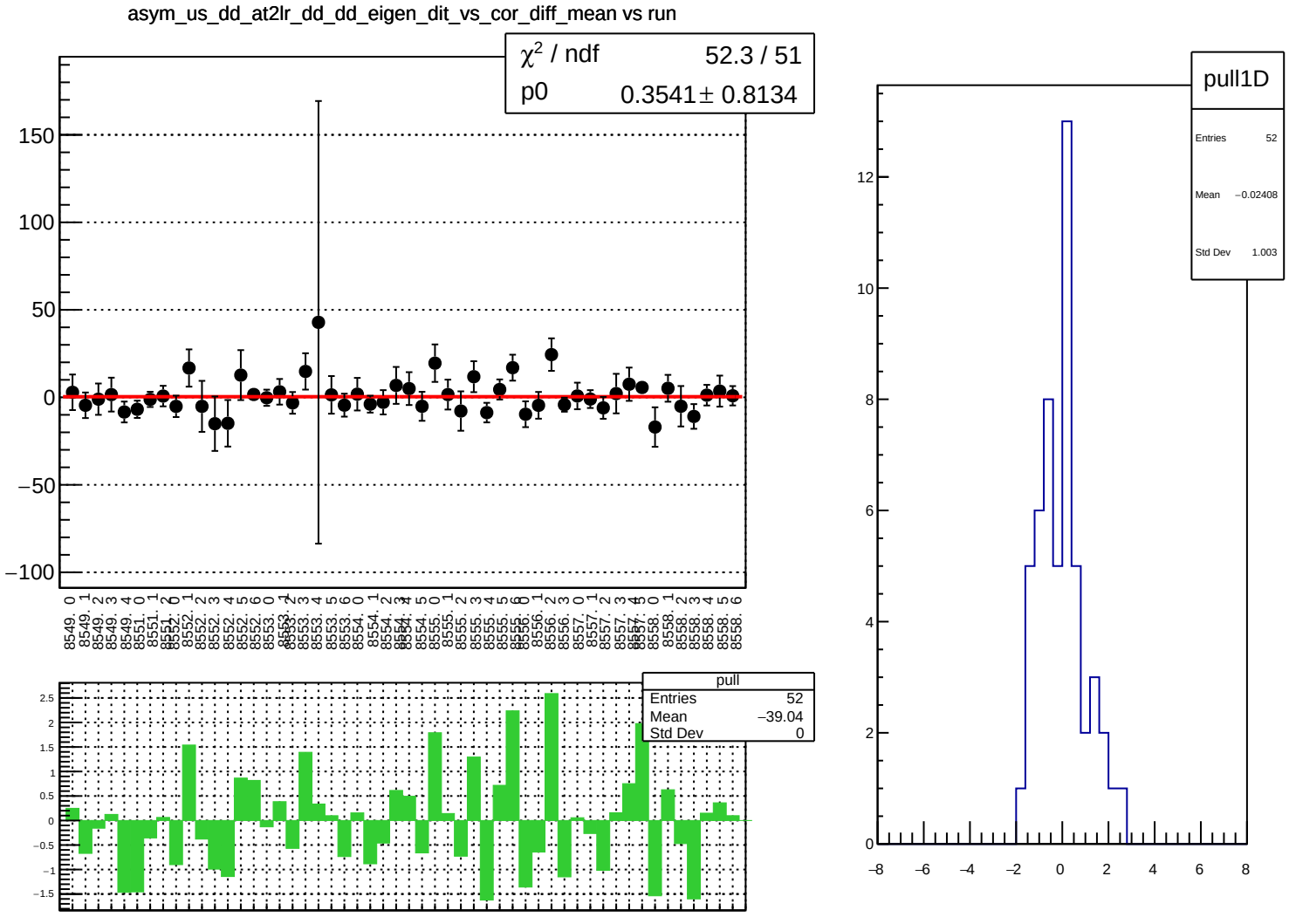

pull1D
Entries 52
Mean −0.02408
Std Dev 1.003
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

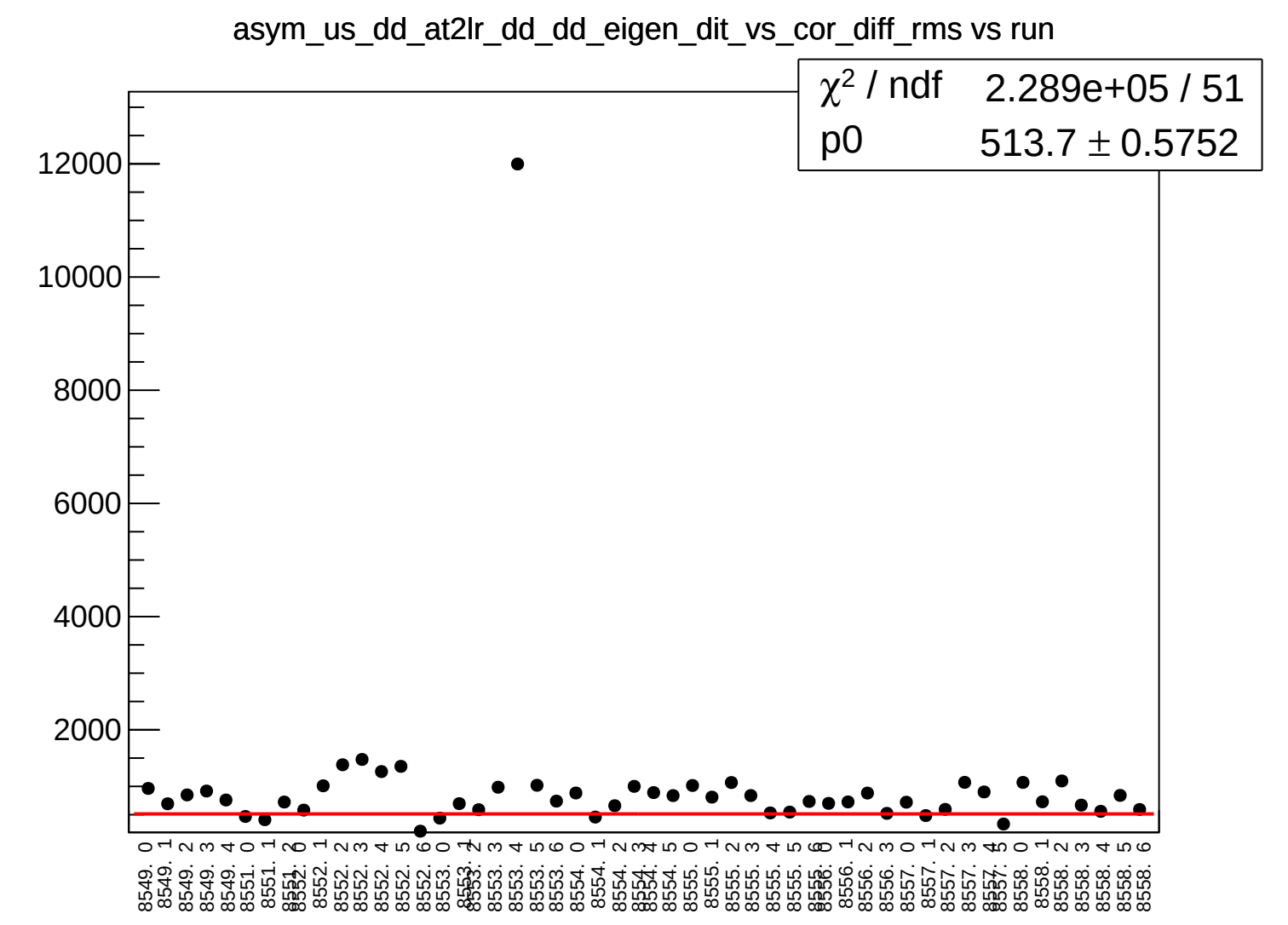

asym_us_dd_at2lr_dd_dd_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 2.289e+05 / 51
p0 513.7 ± 0.5752
12000
10000
8000
6000
4000
2000
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

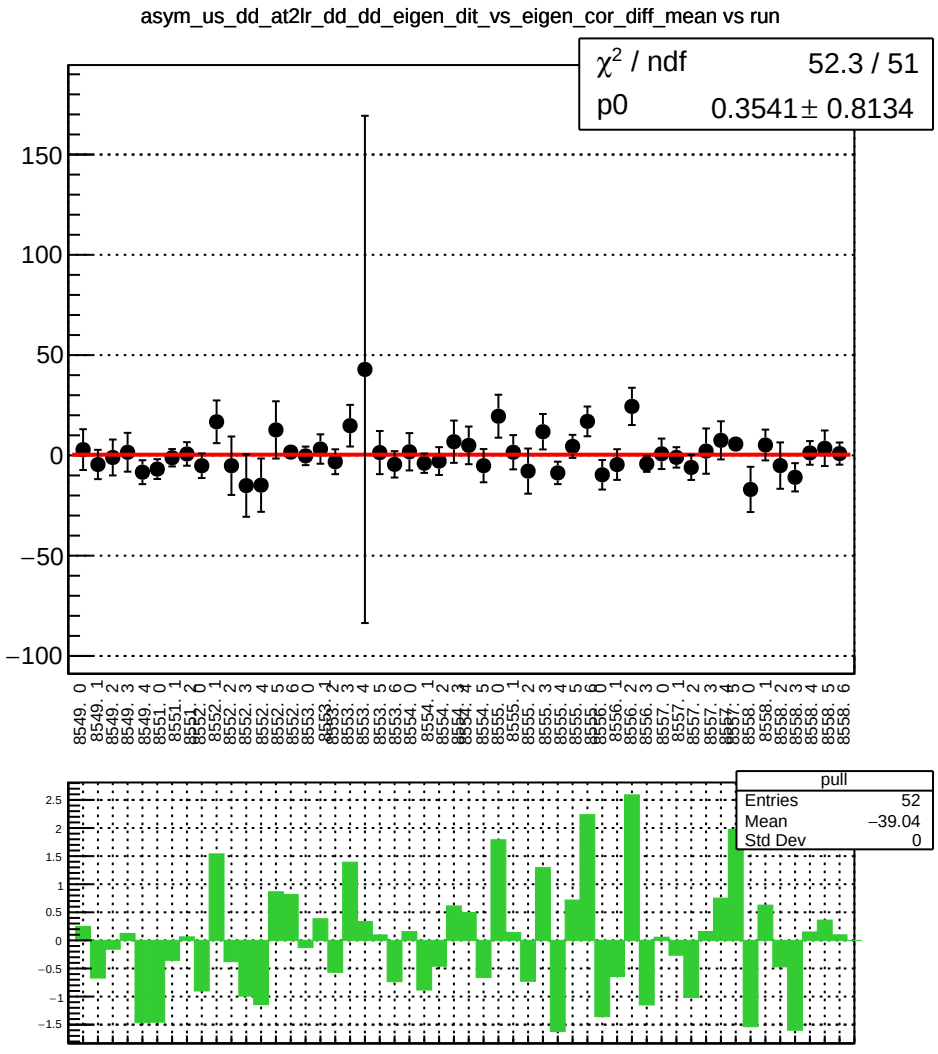

asym_us_dd_at2lr_dd_dd_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 62.34 / 51
p0 −7.588e−06 ± 4.695e−06
pull
Entries 52
Mean 12.81
Std Dev 0

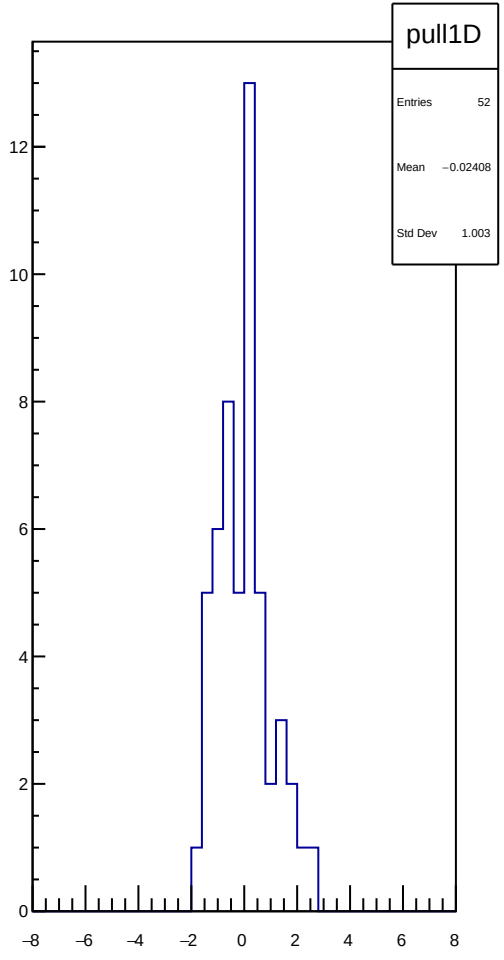

pull1D
Entries 52
Mean −0.03066
Std Dev 1.094

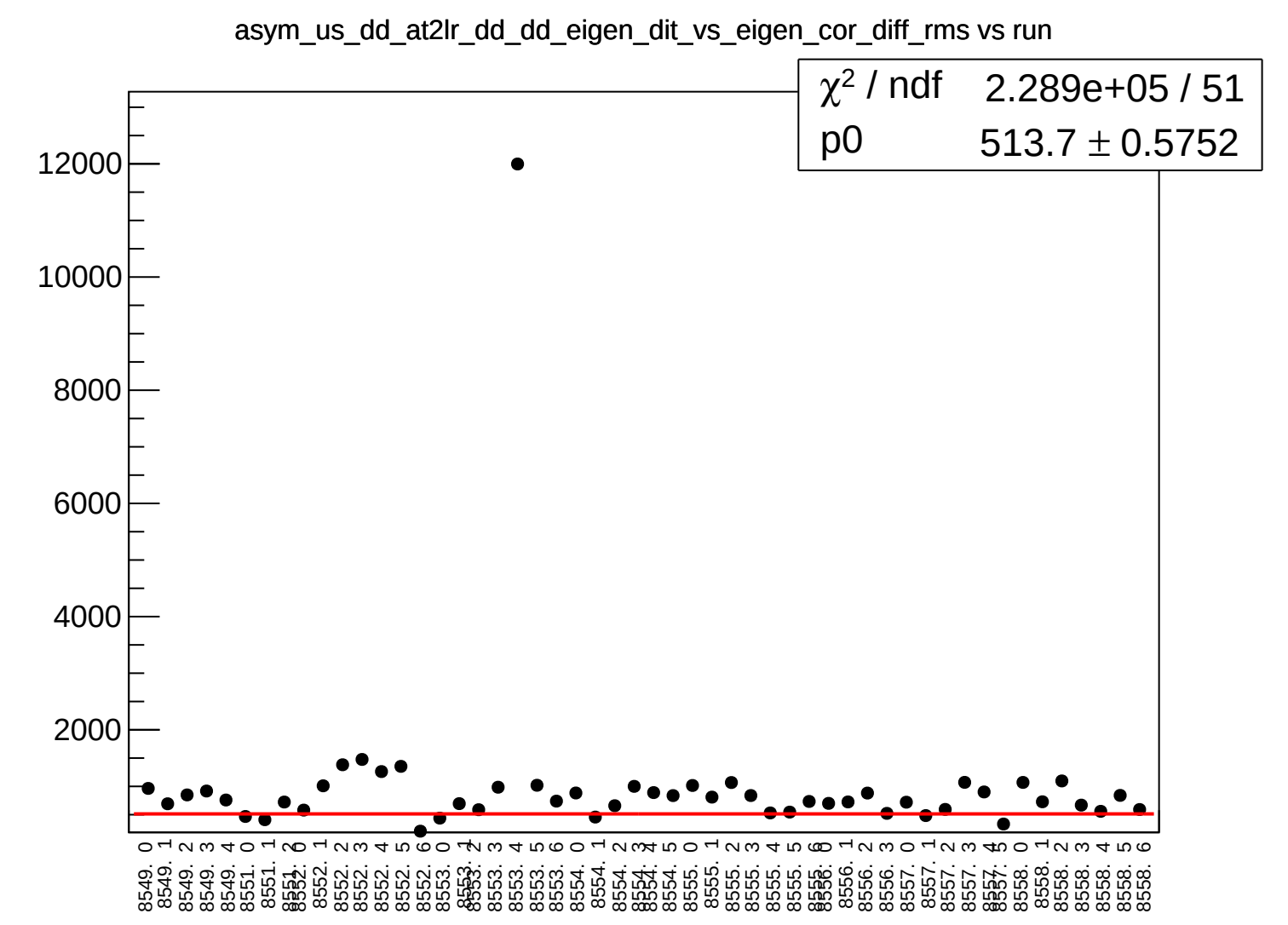

asym_us_dd_at2lr_dd_dd_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 2653 / 51
p0 0.00336 ± 3.32e−06
0.0038
0.0036
0.0034
0.0032
0.003
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

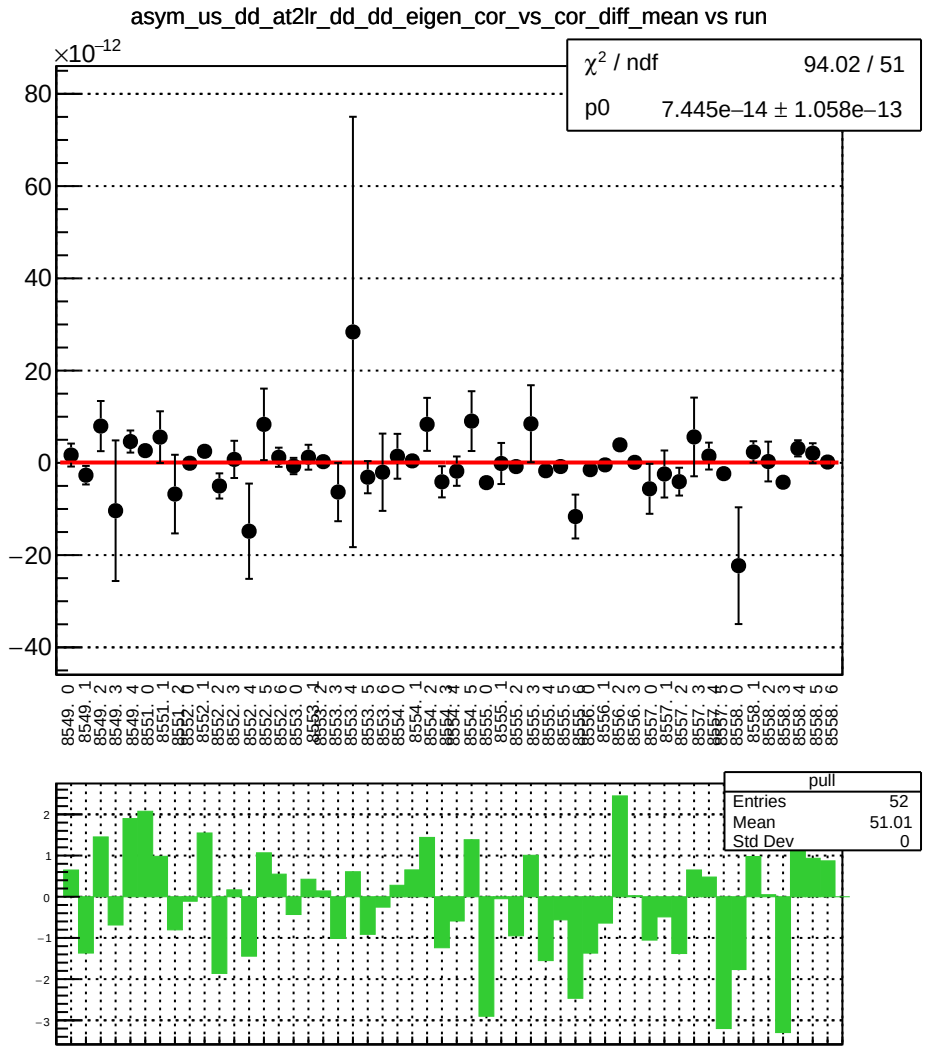

asym_us_dd_at2lr_dd_dd_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 52.3 / 51
p0 0.3541 ± 0.8134
150
100
50
0
−50
−100
pull
Entries 52
Mean −39.04
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 52
Mean −0.02408
Std Dev 1.003
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

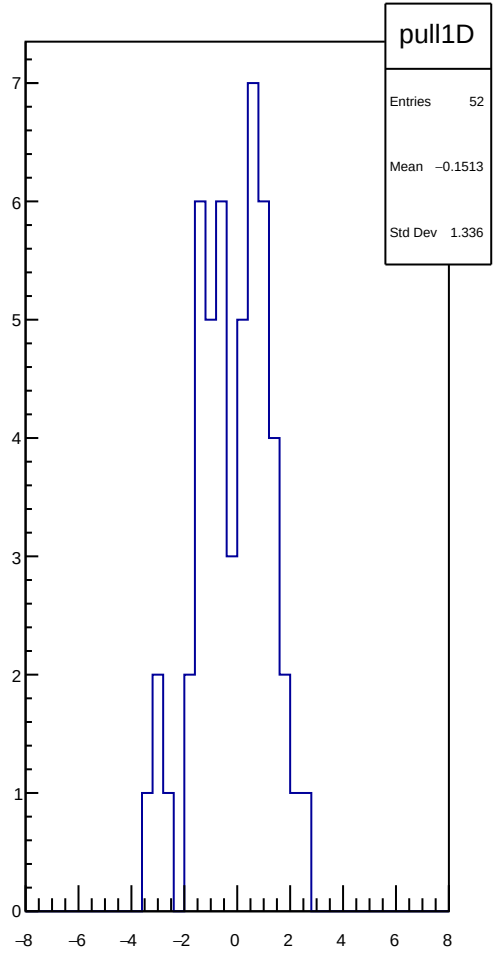

asym_us_dd_at2lr_dd_dd_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 2.289e+05 / 51
p0 513.7 ± 0.5752
12000
10000
8000
6000
4000
2000
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 5
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

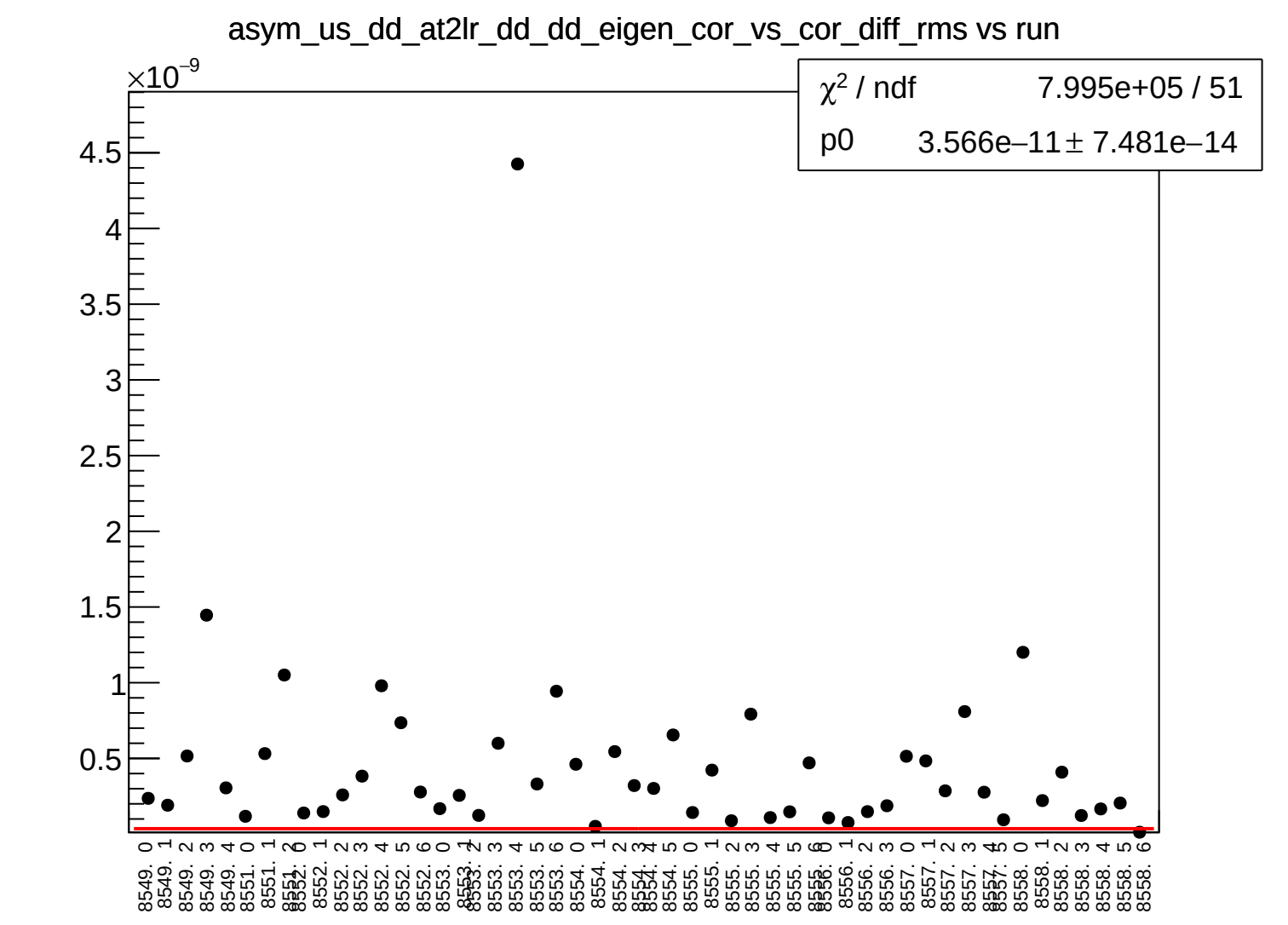

asym_us_dd_at2lr_dd_dd_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 52.3 / 51
p0 0.3541 ± 0.8134
150
100
50
0
−50
−100
pull
Entries 52
Mean −39.04
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5

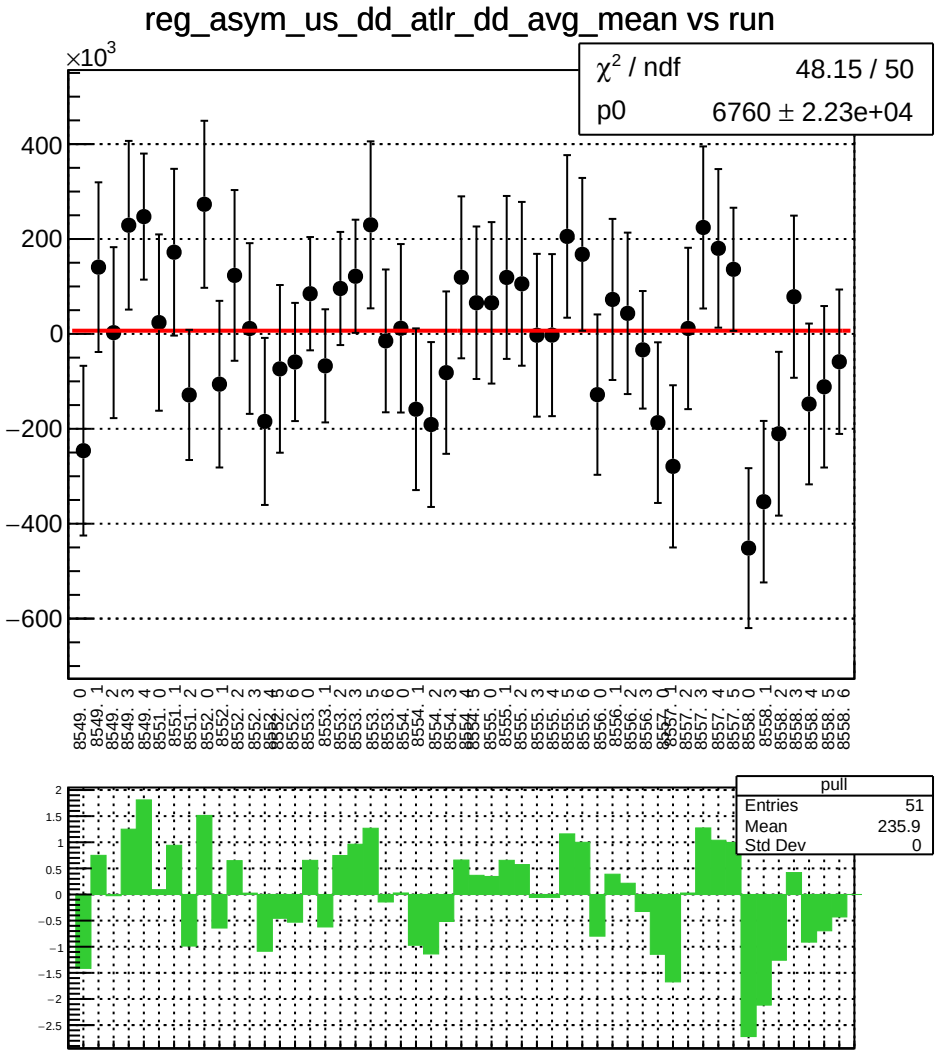

pull1D
Entries 52
Mean −0.02408
Std Dev 1.003
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

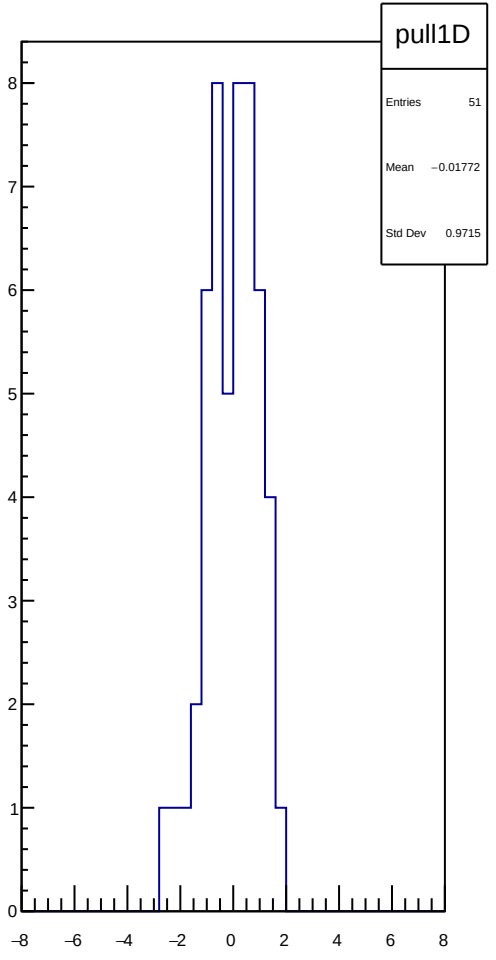

asym_us_dd_at2lr_dd_dd_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 2.289e+05 / 51
p0 513.7 ± 0.5752
12000
10000
8000
6000
4000
2000
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

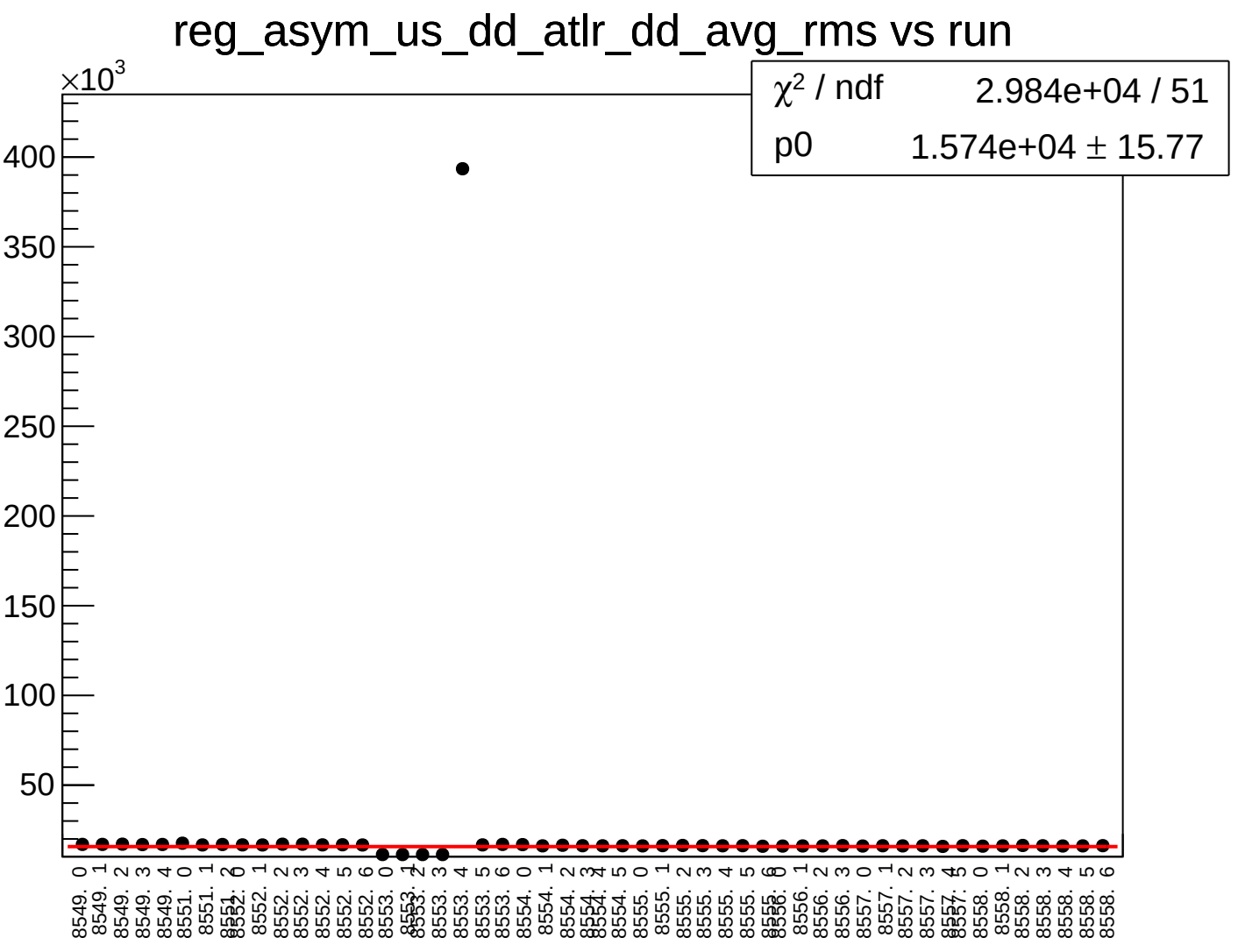

asym_us_dd_at2lr_dd_dd_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 94.02 / 51
p0 7.445e−14 ± 1.058e−13
pull
Entries 52
Mean 51.01
Std Dev 0

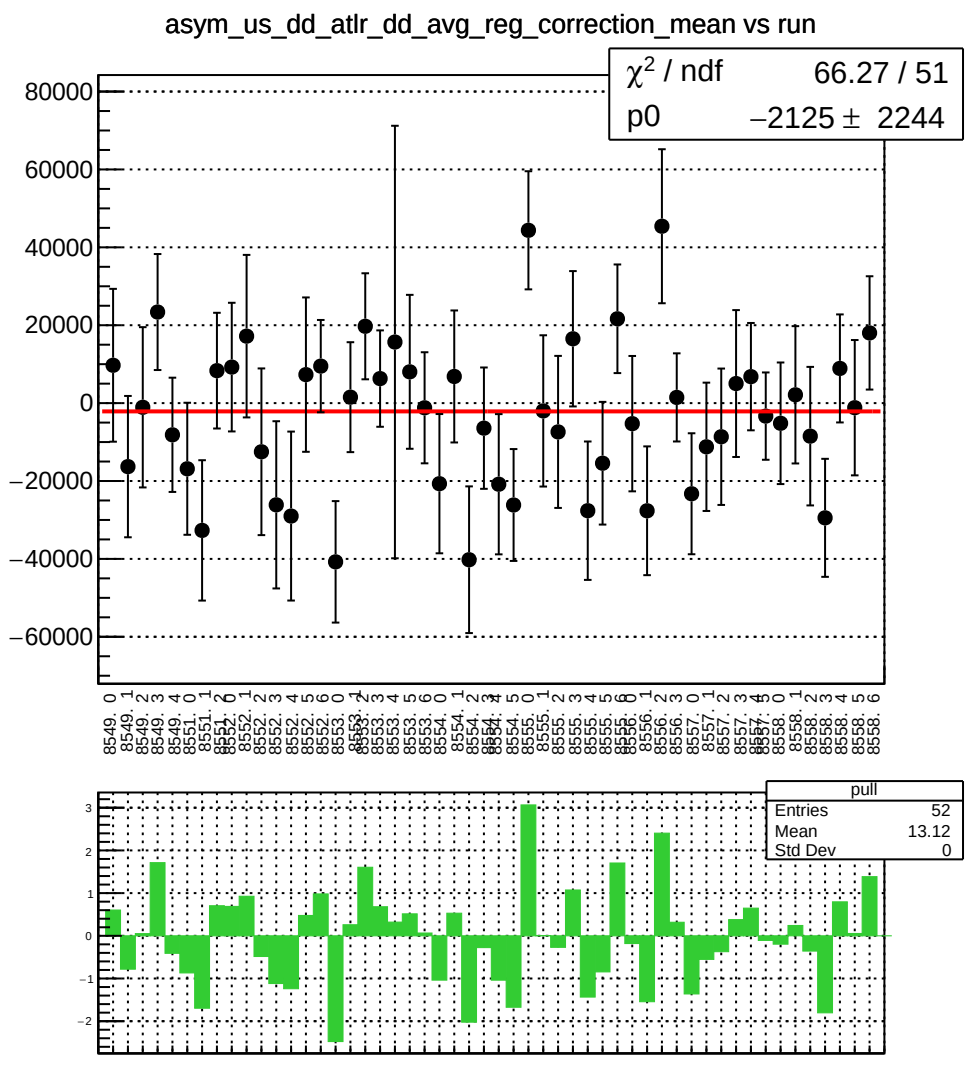

pull1D
Entries 52
Mean −0.1513
Std Dev 1.336

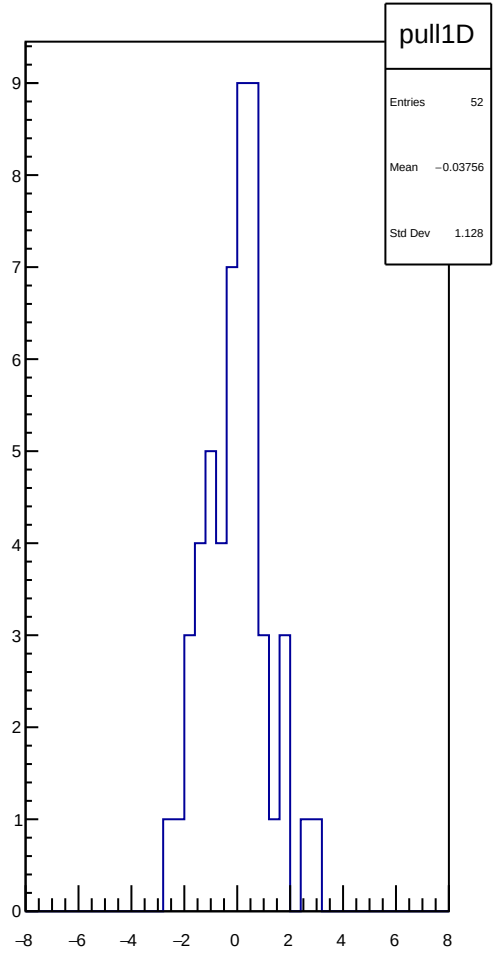

asym_us_dd_at2lr_dd_dd_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 7.995e+05 / 51
p0 3.566e−11 ± 7.481e−14
4.5
4
3.5
3
2.5
2
1.5
1
0.5
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 0
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 2
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 5
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

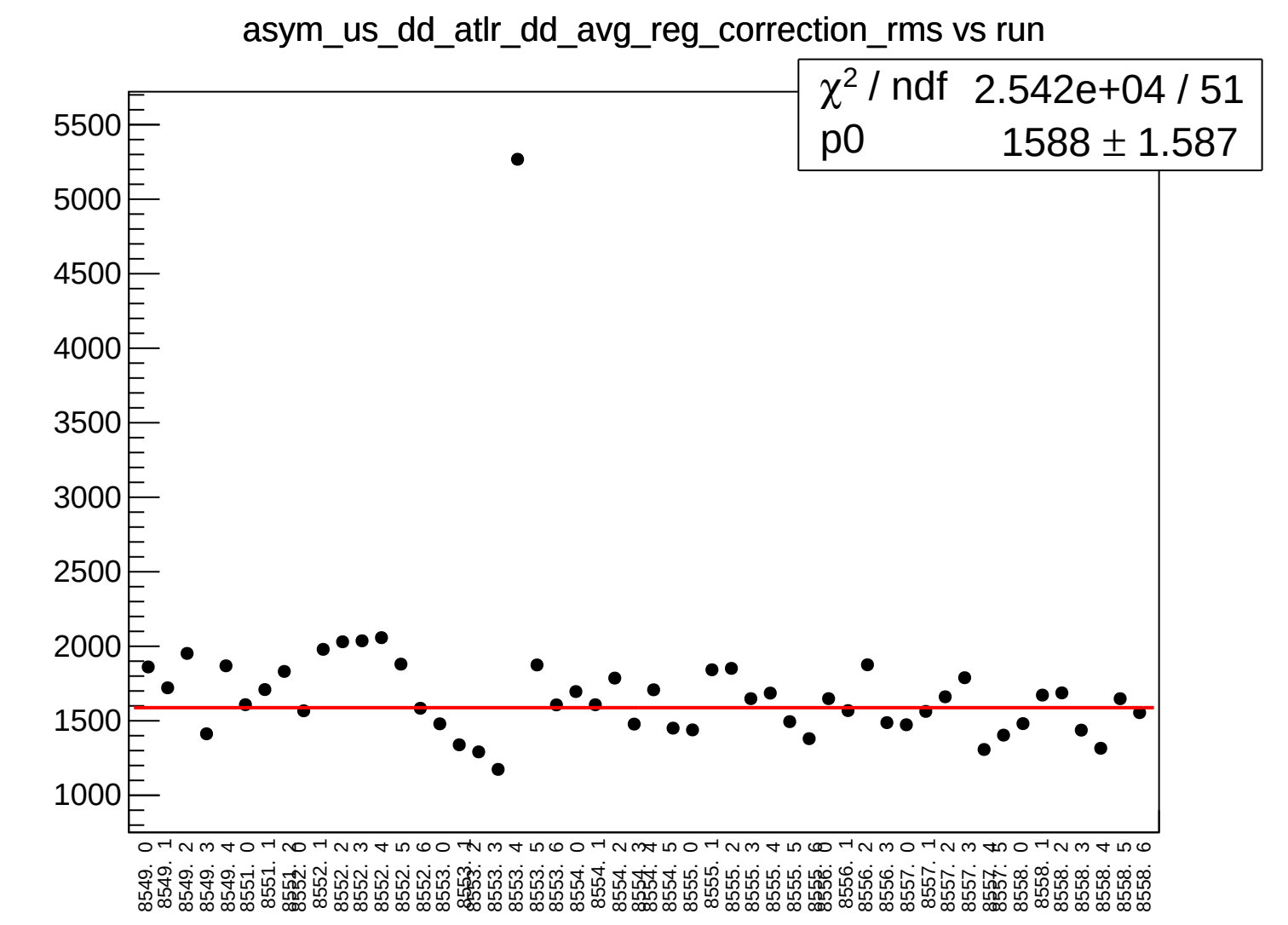

reg_asym_us_dd_atlr_dd_avg_mean vs run
×10^3
χ² / ndf 48.15 / 50
p0 6760 ± 2.23e+04
pull
Entries 51
Mean 235.9
Std Dev 0

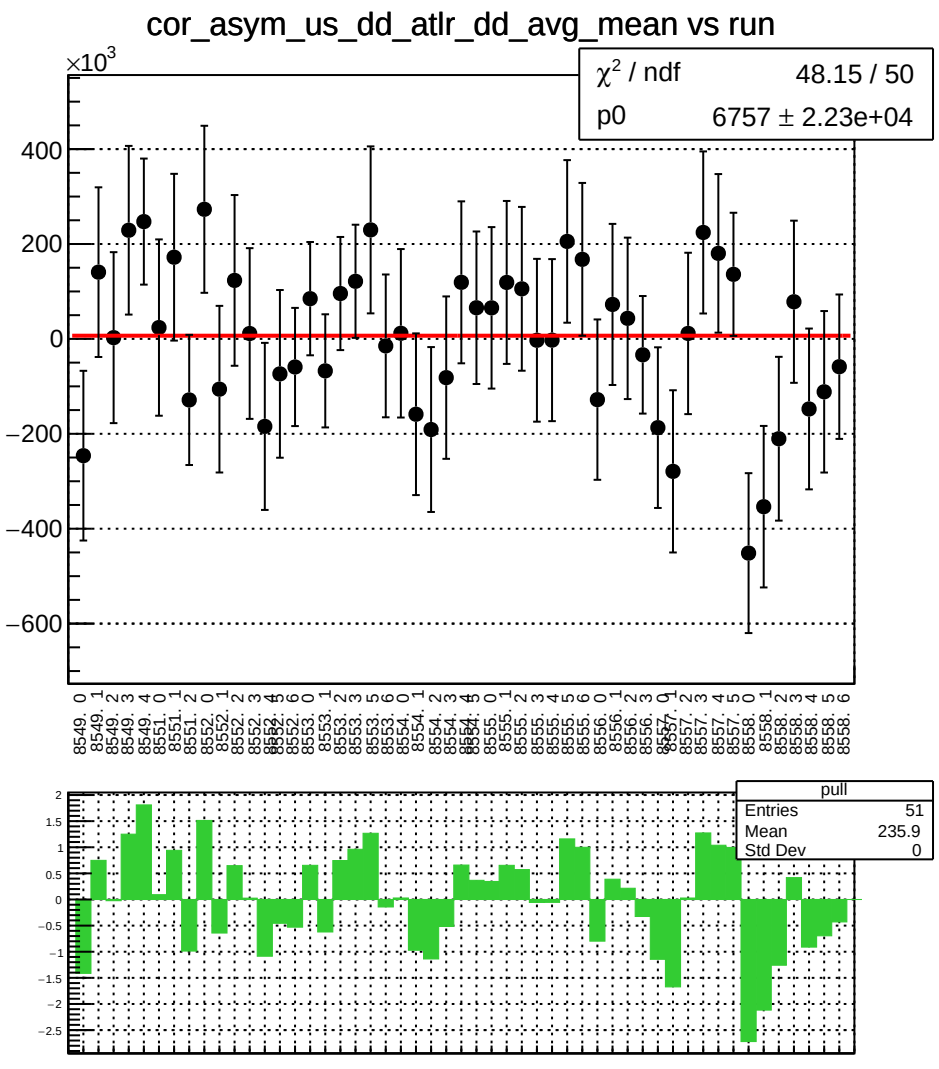

pull1D
Entries 51
Mean −0.01772
Std Dev 0.9715

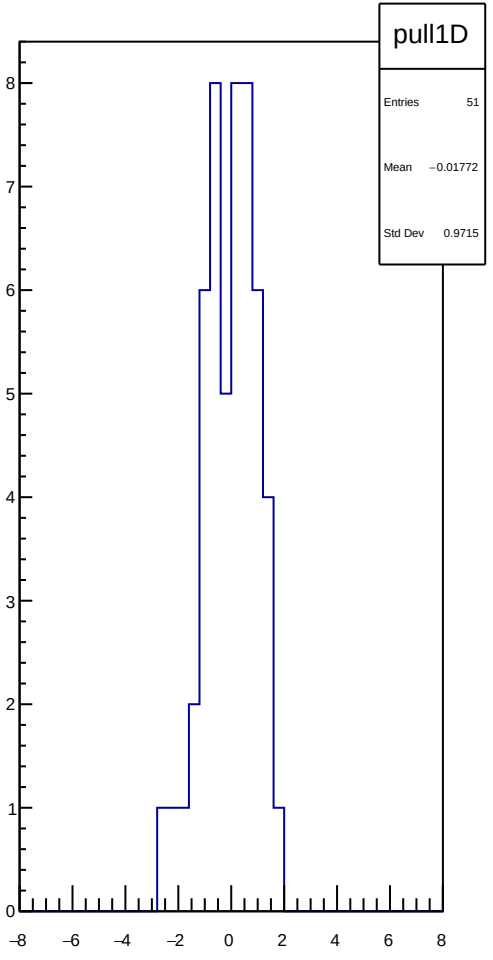

reg_asym_us_dd_atlr_dd_avg_rms vs run
×10^3
χ² / ndf 2.984e+04 / 51
p0 1.574e+04 ± 15.77
400
350
300
250
200
150
100
50
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 5
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

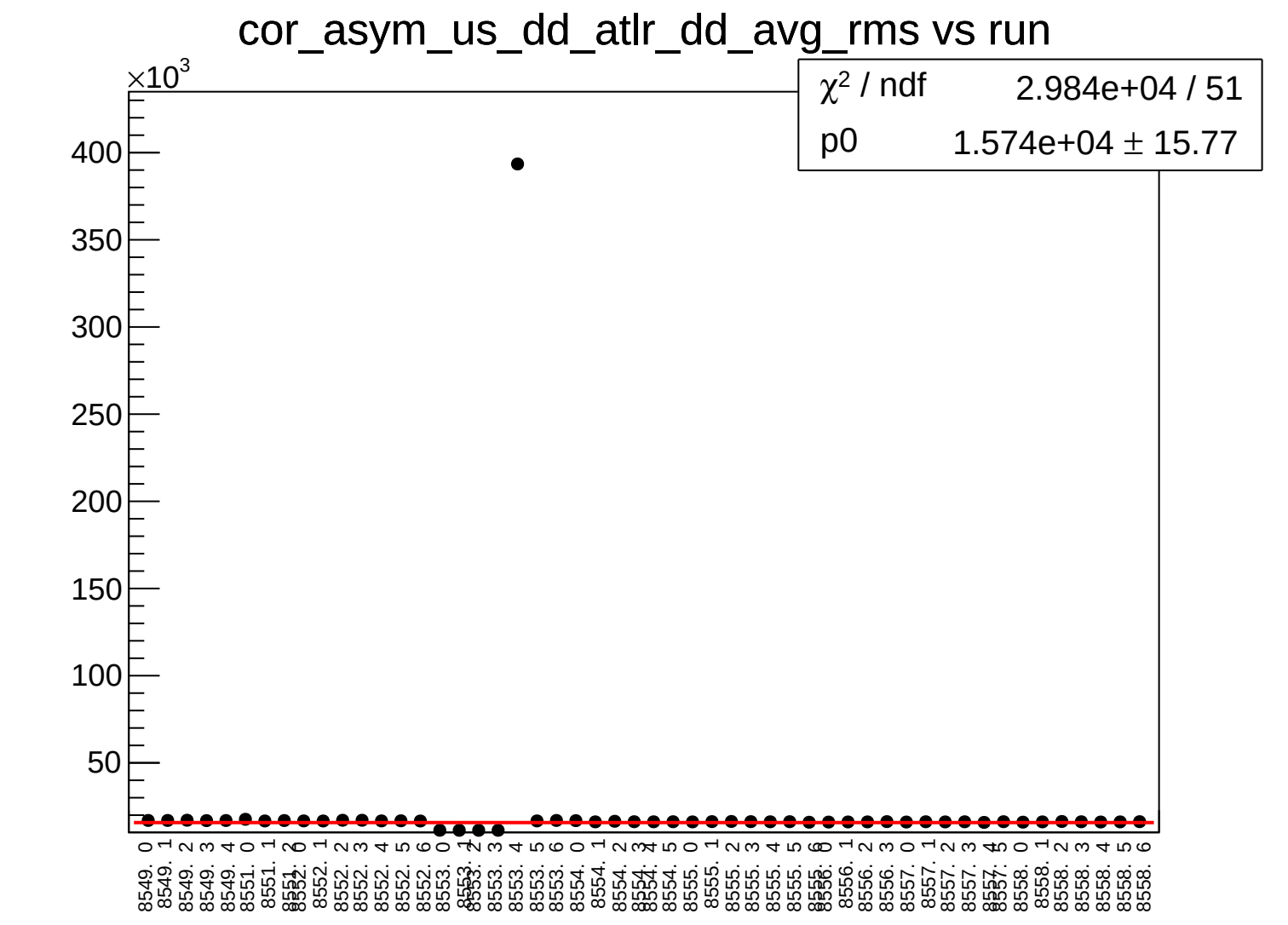

asym_us_dd_atlr_dd_avg_reg_correction_mean vs run
χ² / ndf 66.27 / 51
p0 −2125 ± 2244
pull
Entries 52
Mean 13.12
Std Dev 0

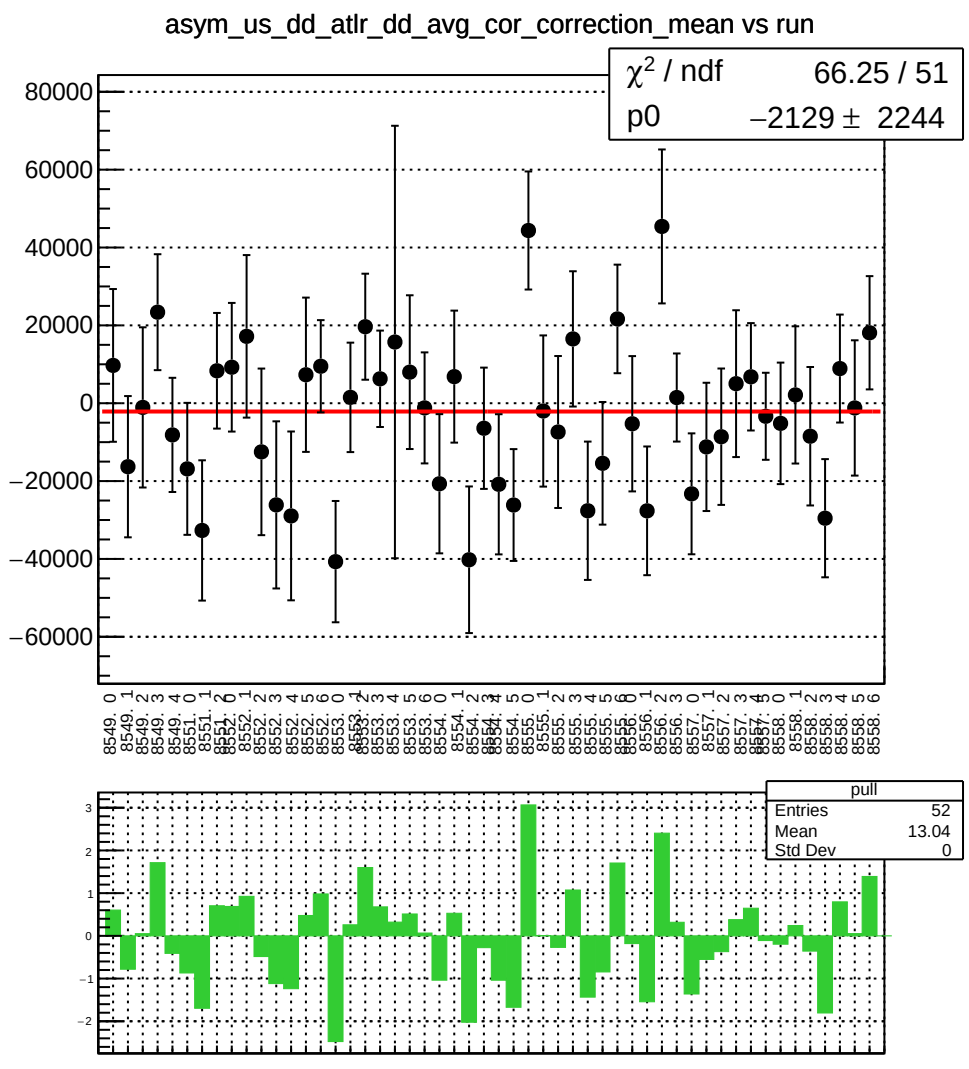

pull1D
Entries 52
Mean −0.03756
Std Dev 1.128

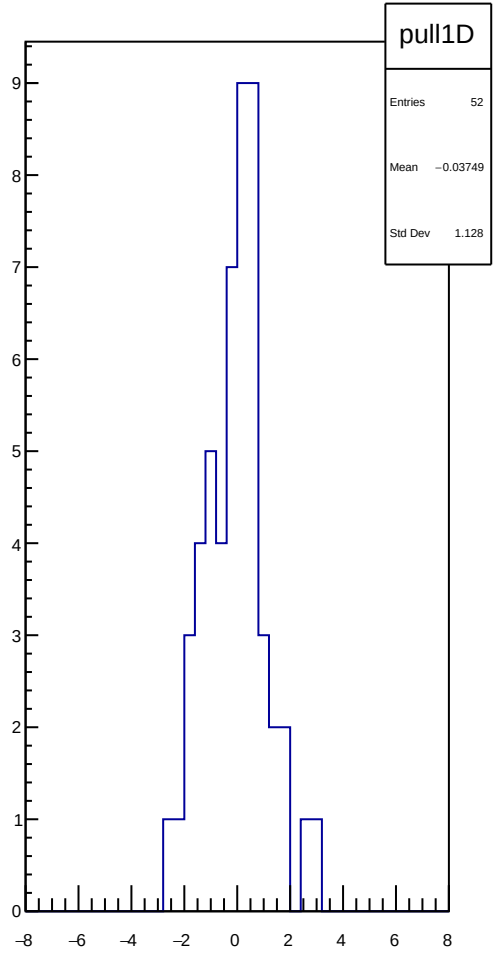

asym_us_dd_atlr_dd_avg_reg_correction_rms vs run
χ² / ndf 2.542e+04 / 51
p0 1588 ± 1.587
5500
5000
4500
4000
3500
3000
2500
2000
1500
1000
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

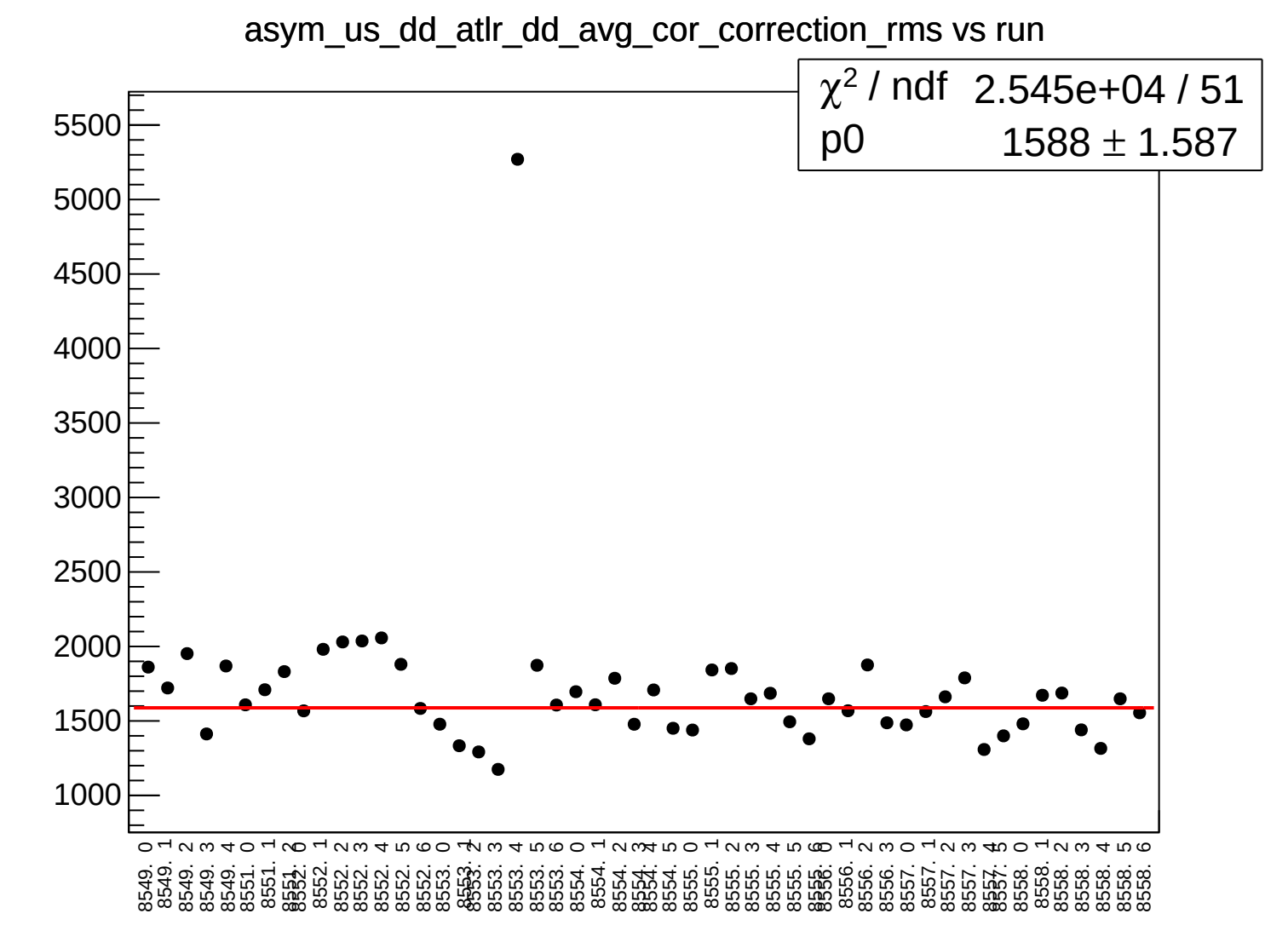

cor_asym_us_dd_atlr_dd_avg_mean vs run
×10^3
χ² / ndf 48.15 / 50
p0 6757 ± 2.23e+04
400
200
0
−200
−400
−600
pull
Entries 51
Mean 235.9
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5


pull1D
Entries 51
Mean −0.01772
Std Dev 0.9715
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
×10^3
400
350
300
250
200
150
100
50
χ² / ndf 2.984e+04 / 51
p0 1.574e+04 ± 15.77
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 5
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6


asym_us_dd_atlr_dd_avg_cor_correction_mean vs run
χ² / ndf 66.25 / 51
p0 −2129 ± 2244
pull
Entries 52
Mean 13.04
Std Dev 0


pull1D
Entries 52
Mean −0.03749
Std Dev 1.128


asym_us_dd_atlr_dd_avg_cor_correction_rms vs run
χ² / ndf 2.545e+04 / 51
p0 1588 ± 1.587
5500
5000
4500
4000
3500
3000
2500
2000
1500
1000
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 5
8555. 0
8555. 1
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8555. 3
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8556. 1
8556. 2
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8557. 0
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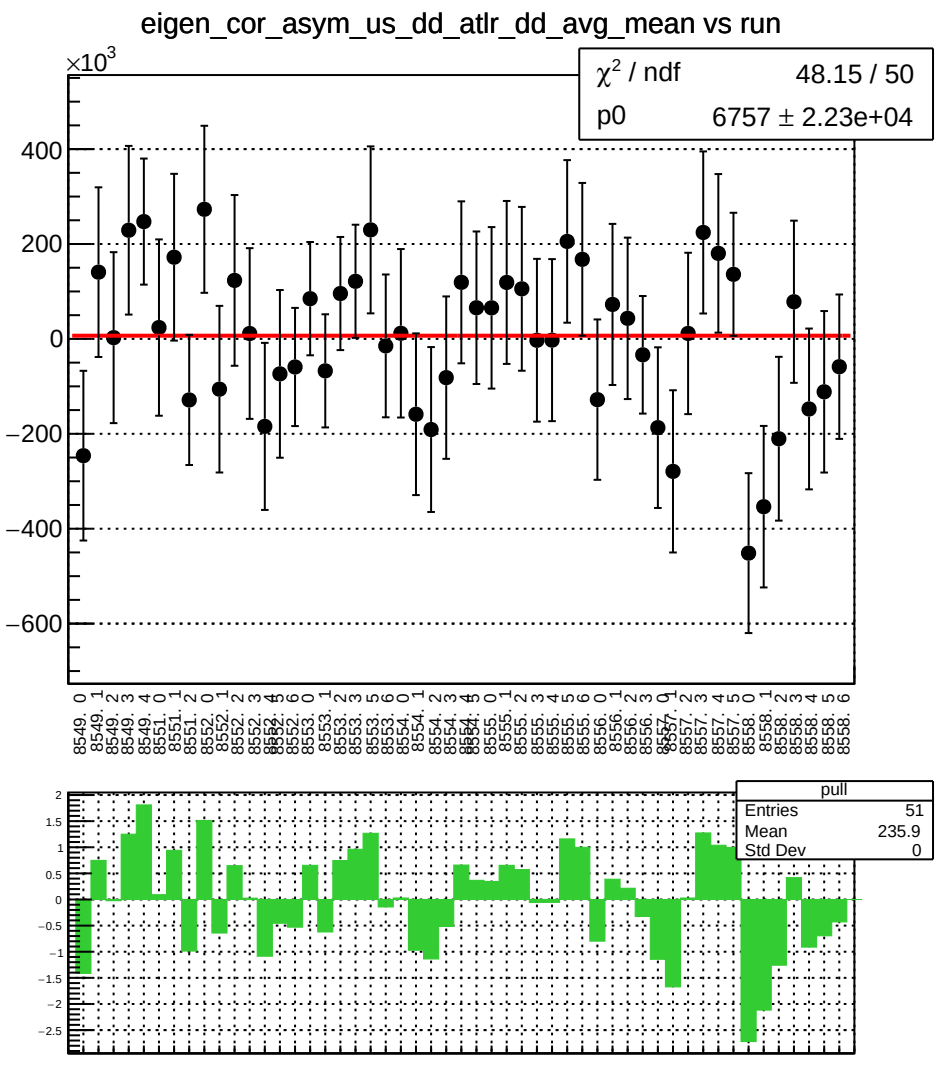
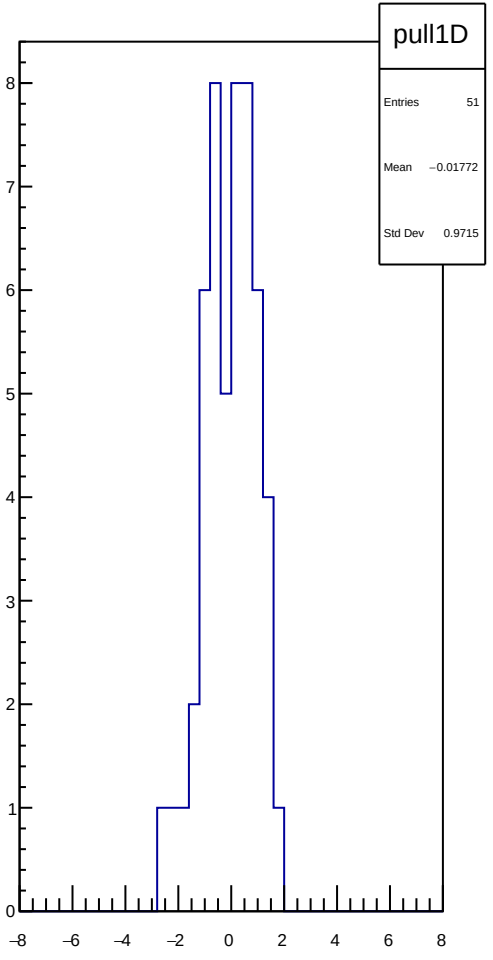
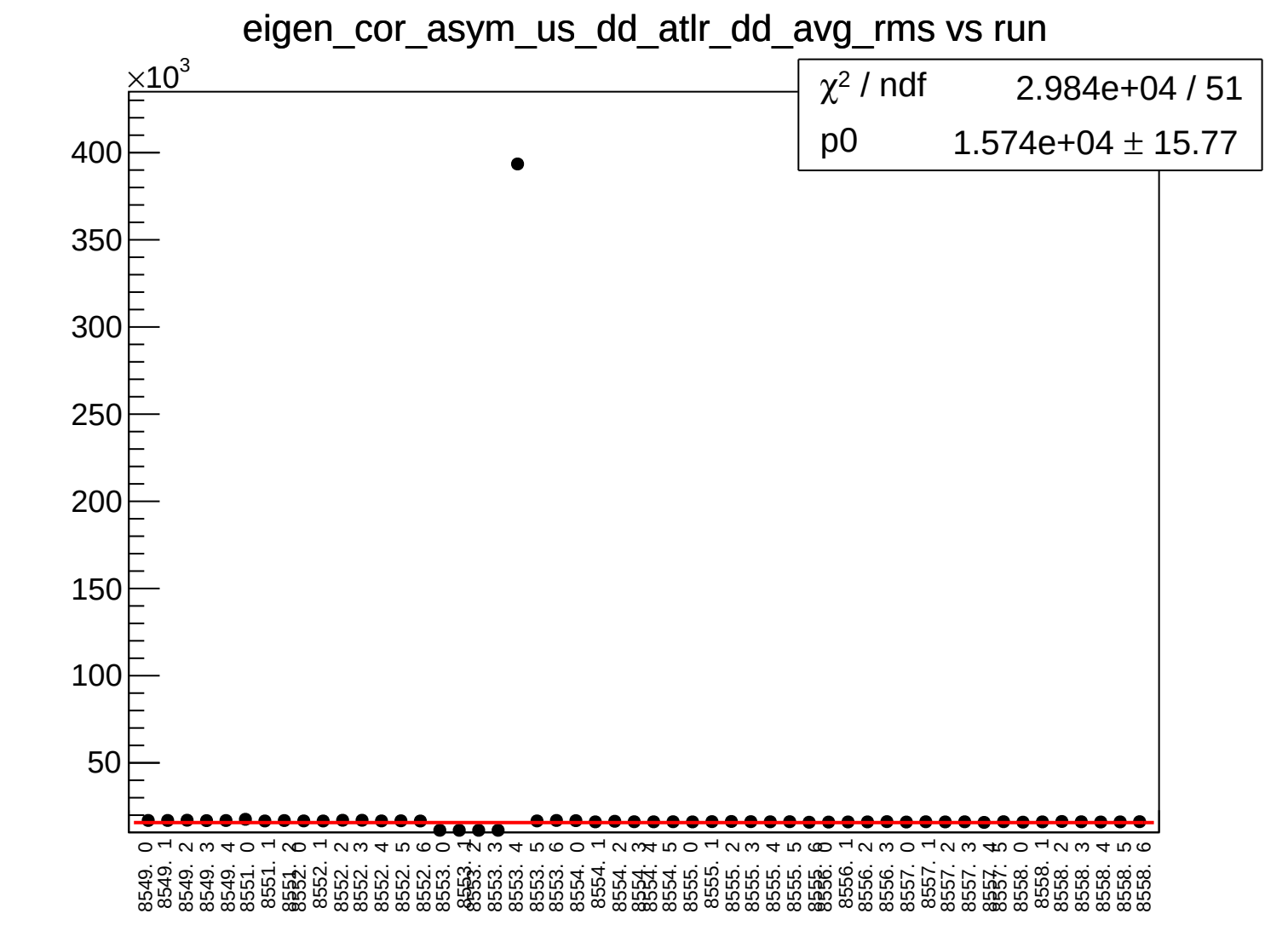
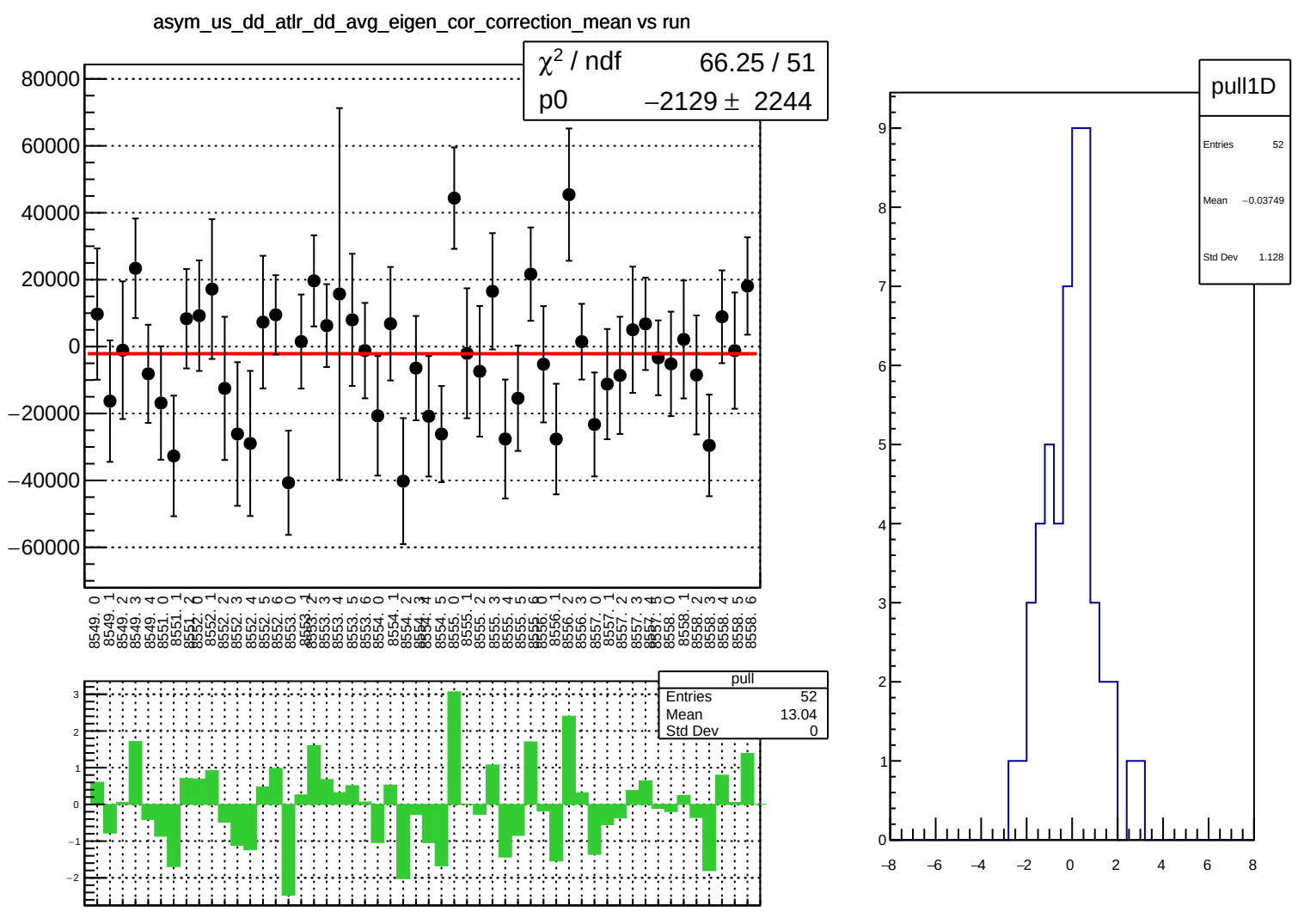
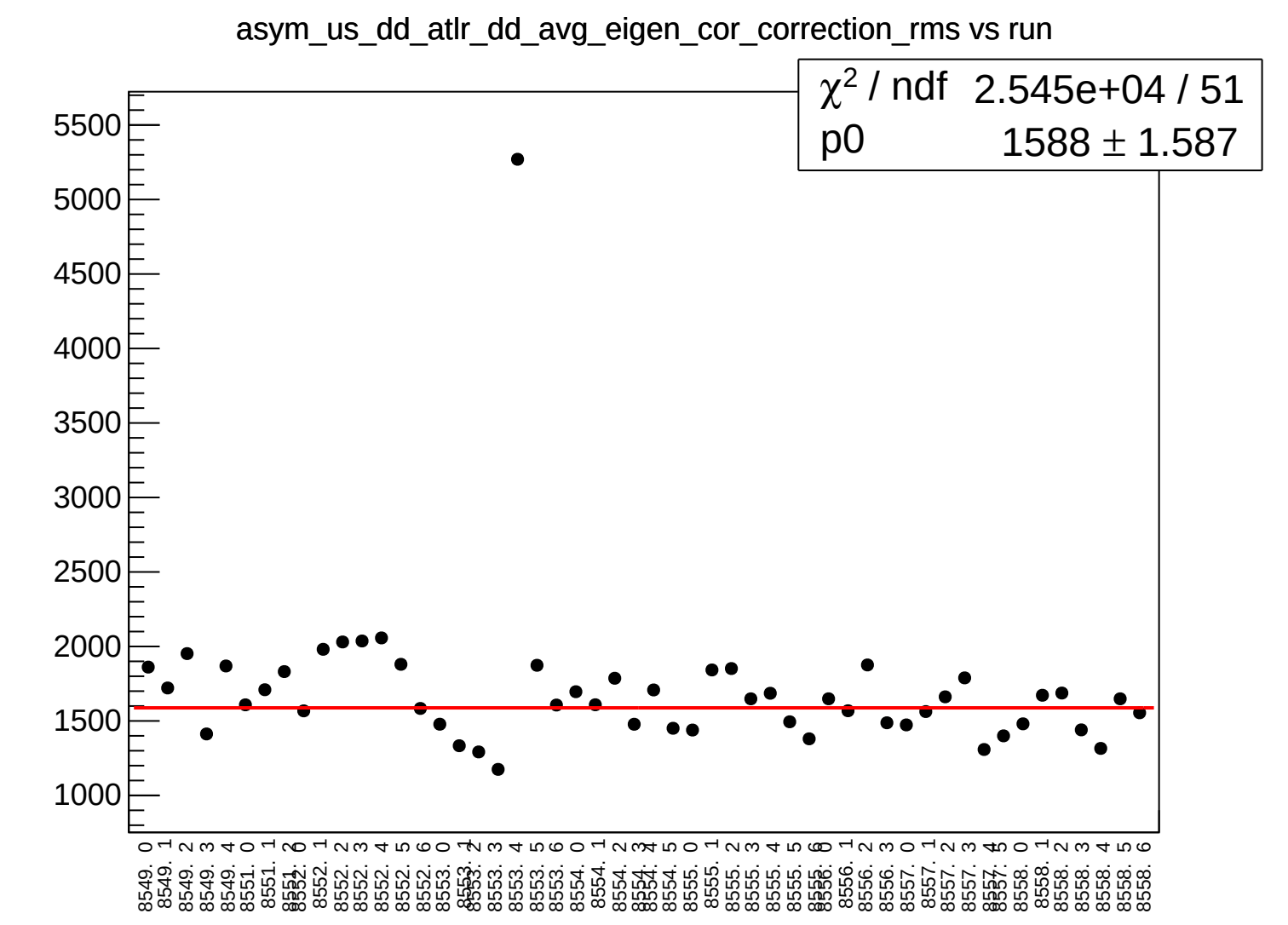
8558. 5
8558. 6


eigen_cor_asym_us_dd_atlr_dd_avg_mean vs run
×10^3
χ² / ndf 48.15 / 50
p0 6757 ± 2.23e+04
400
200
0
−200
−400
−600
pull
Entries 51
Mean 235.9
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5


pull1D
Entries 51
Mean −0.01772
Std Dev 0.9715
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
×10^3
400
350
300
250
200
150
100
50
χ² / ndf 2.984e+04 / 51
p0 1.574e+04 ± 15.77
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 5
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6


asym_us_dd_atlr_dd_avg_eigen_cor_correction_mean vs run
χ² / ndf 66.25 / 51
p0 −2129 ± 2244
pull
Entries 52
Mean 13.04
Std Dev 0
pull1D
Entries 52
Mean −0.03749
Std Dev 1.128


asym_us_dd_atlr_dd_avg_eigen_cor_correction_rms vs run
χ² / ndf 2.545e+04 / 51
p0 1588 ± 1.587
5500
5000
4500
4000
3500
3000
2500
2000
1500
1000
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 4
8553. 5
8553. 6
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8555. 2
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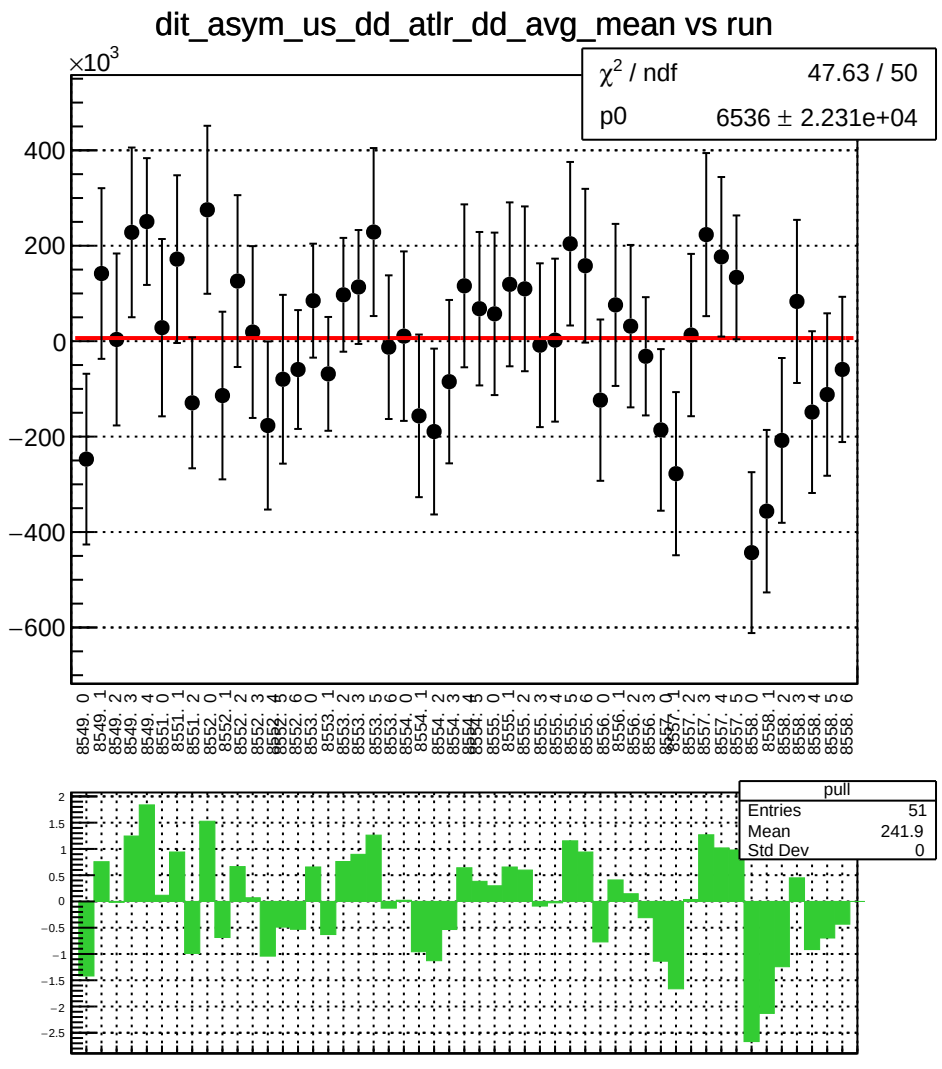
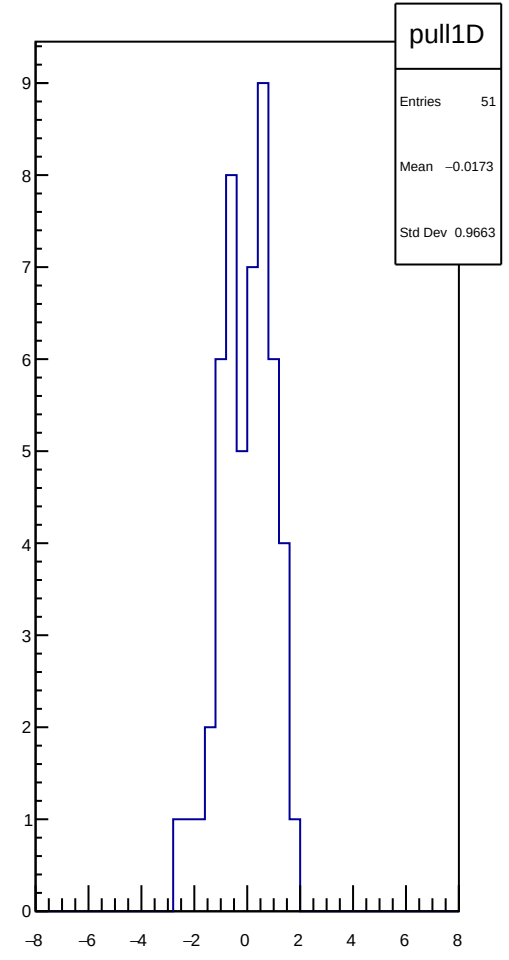
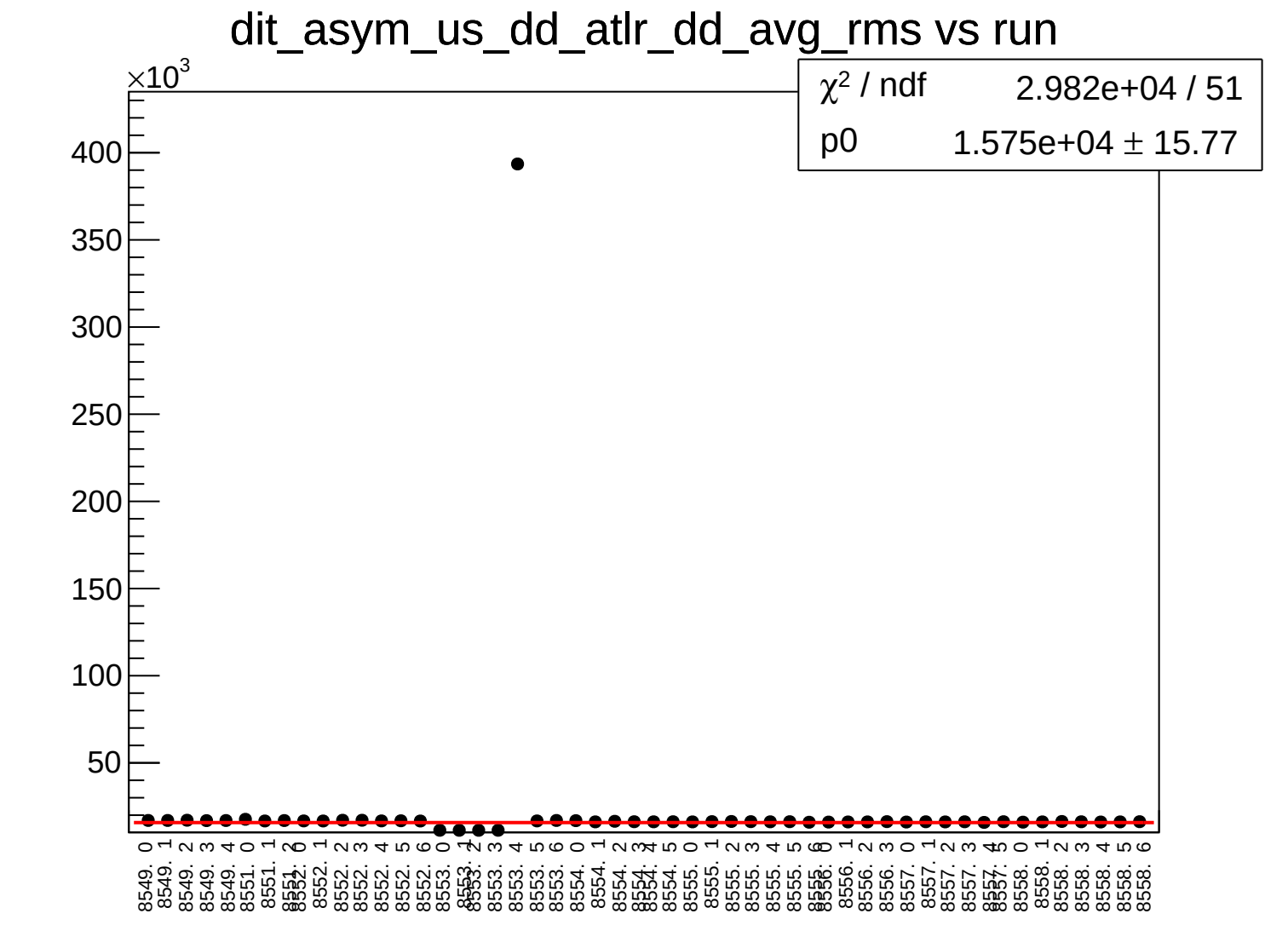
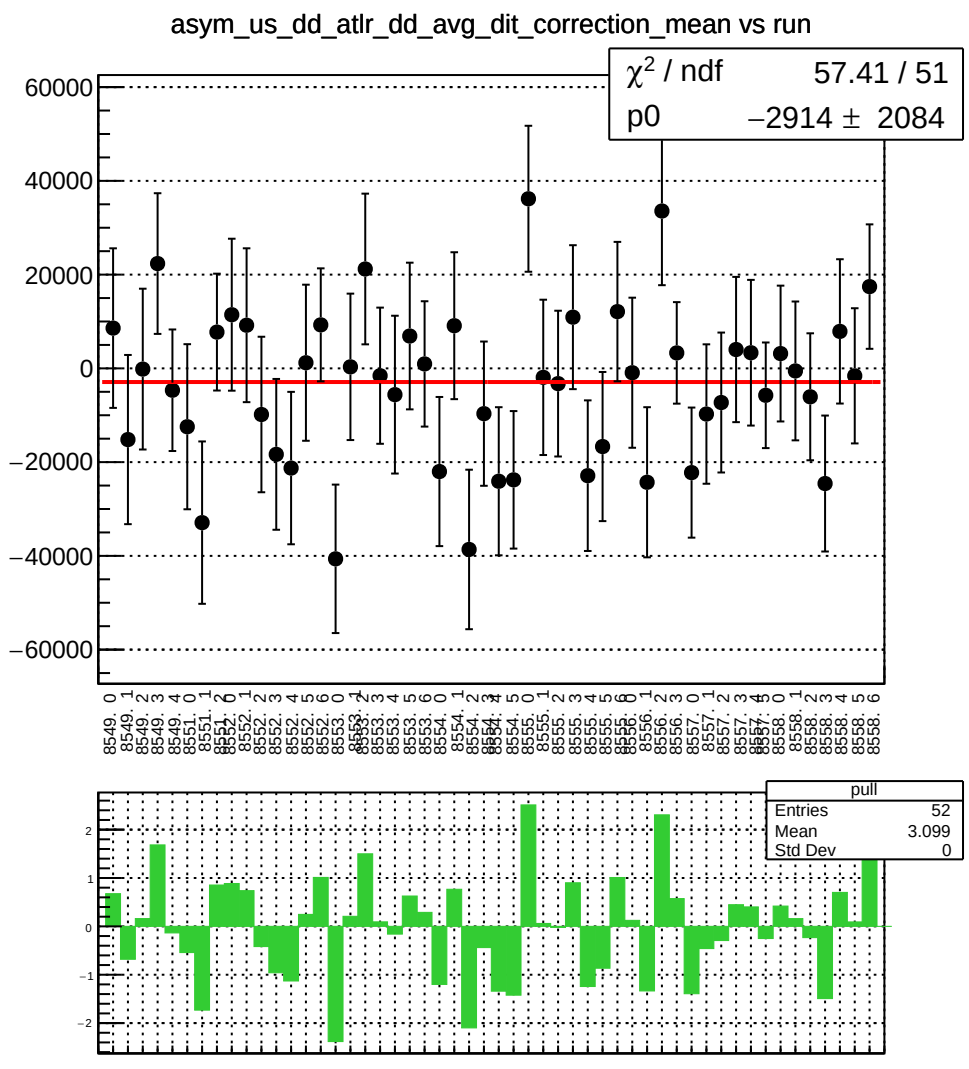
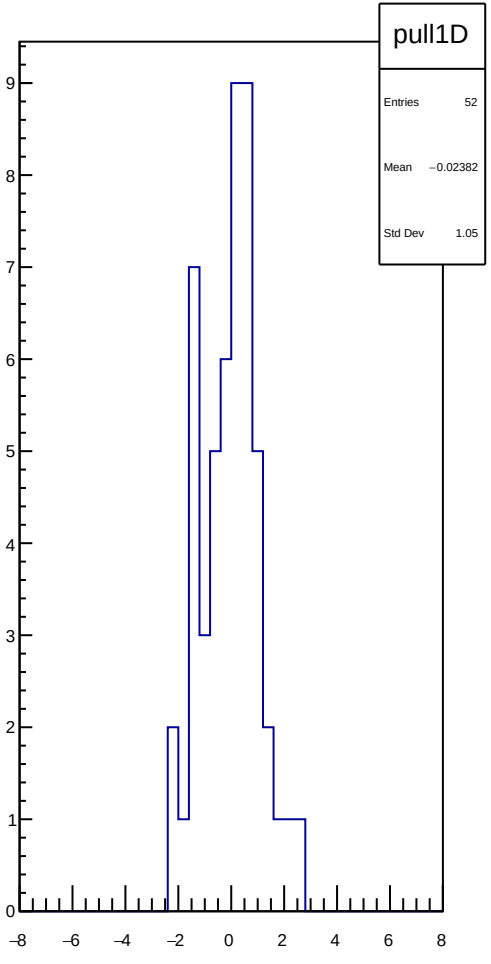
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

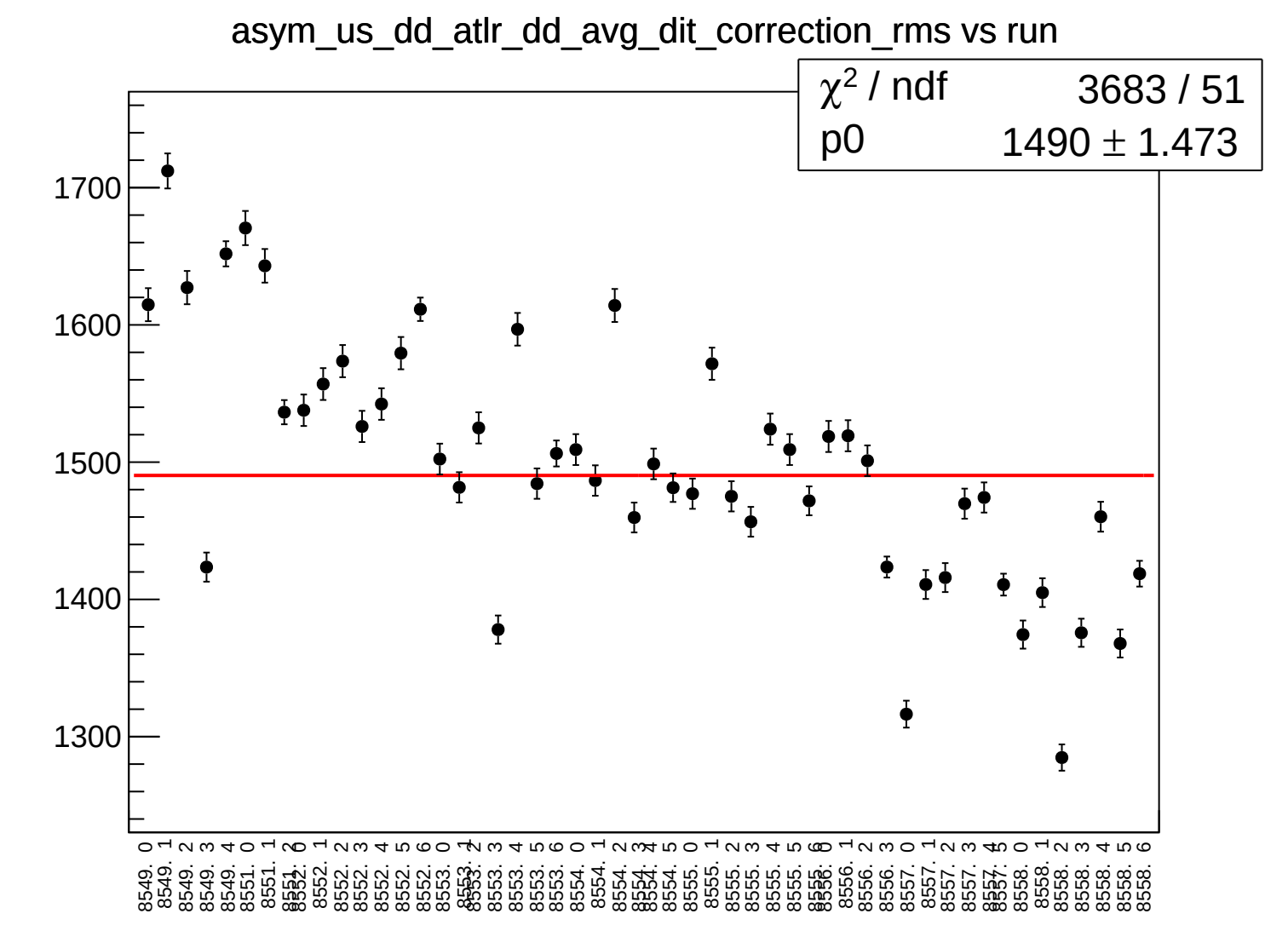

dit_asym_us_dd_atlr_dd_avg_mean vs run
×10^3
χ² / ndf 47.63 / 50
p0 6536 ± 2.231e+04
pull
Entries 51
Mean 241.9
Std Dev 0

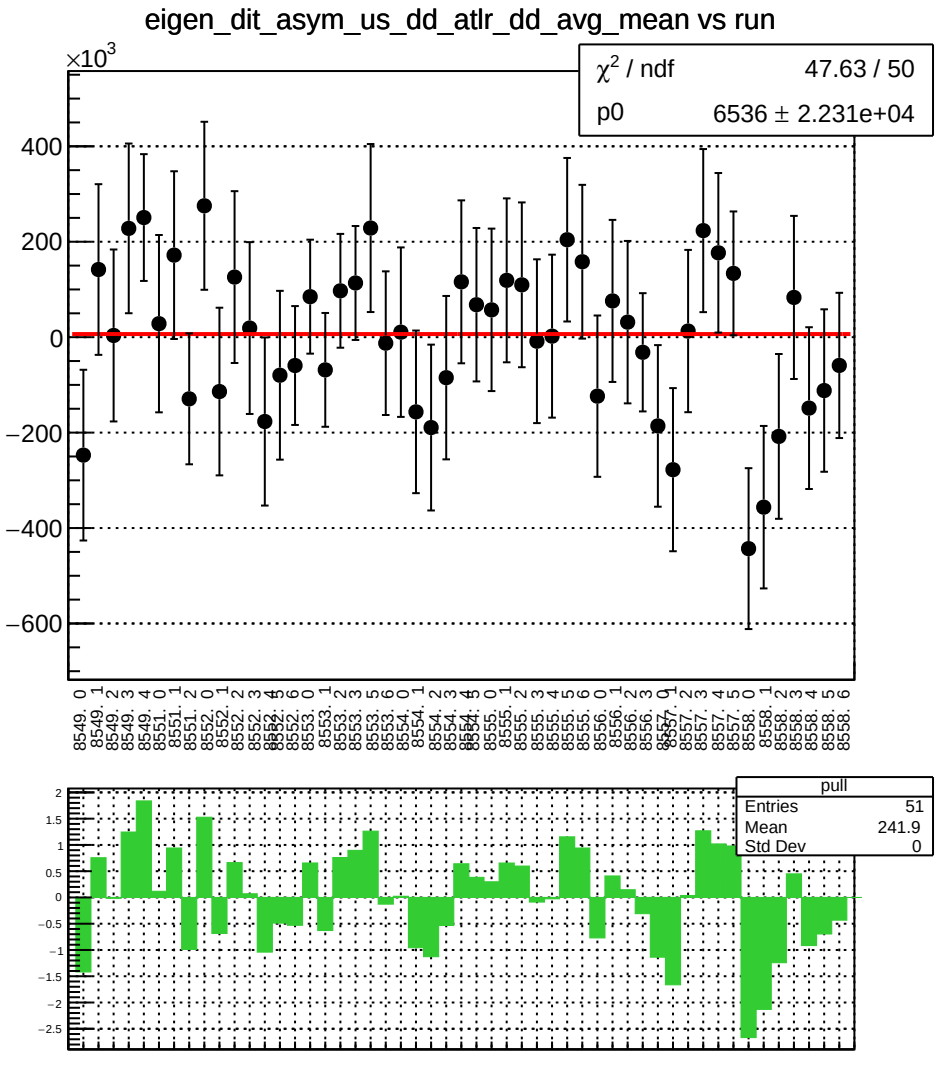

pull1D
Entries 51
Mean −0.0173
Std Dev 0.9663

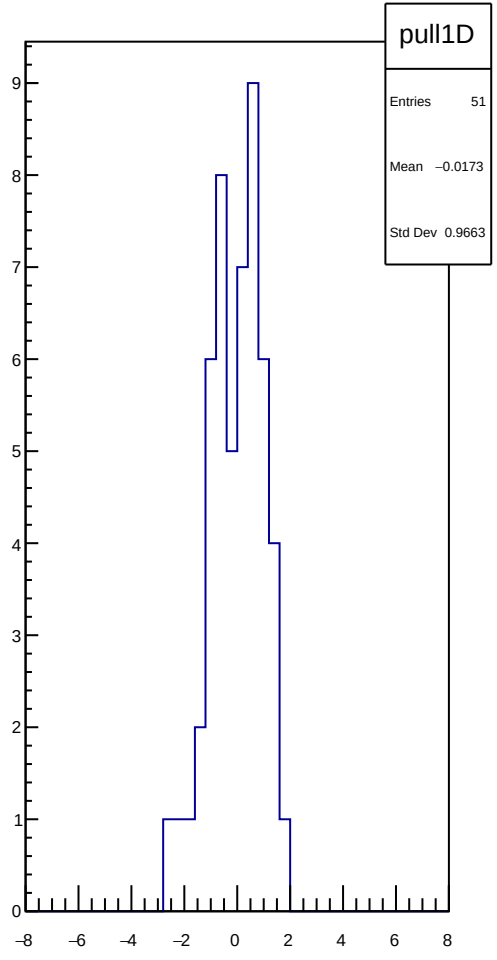

dit_asym_us_dd_atlr_dd_avg_rms vs run
×10^3
400
350
300
250
200
150
100
50
χ² / ndf 2.982e+04 / 51
p0 1.575e+04 ± 15.77
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 0
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 1
8553. 2
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 3
8554. 4
8554. 5
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

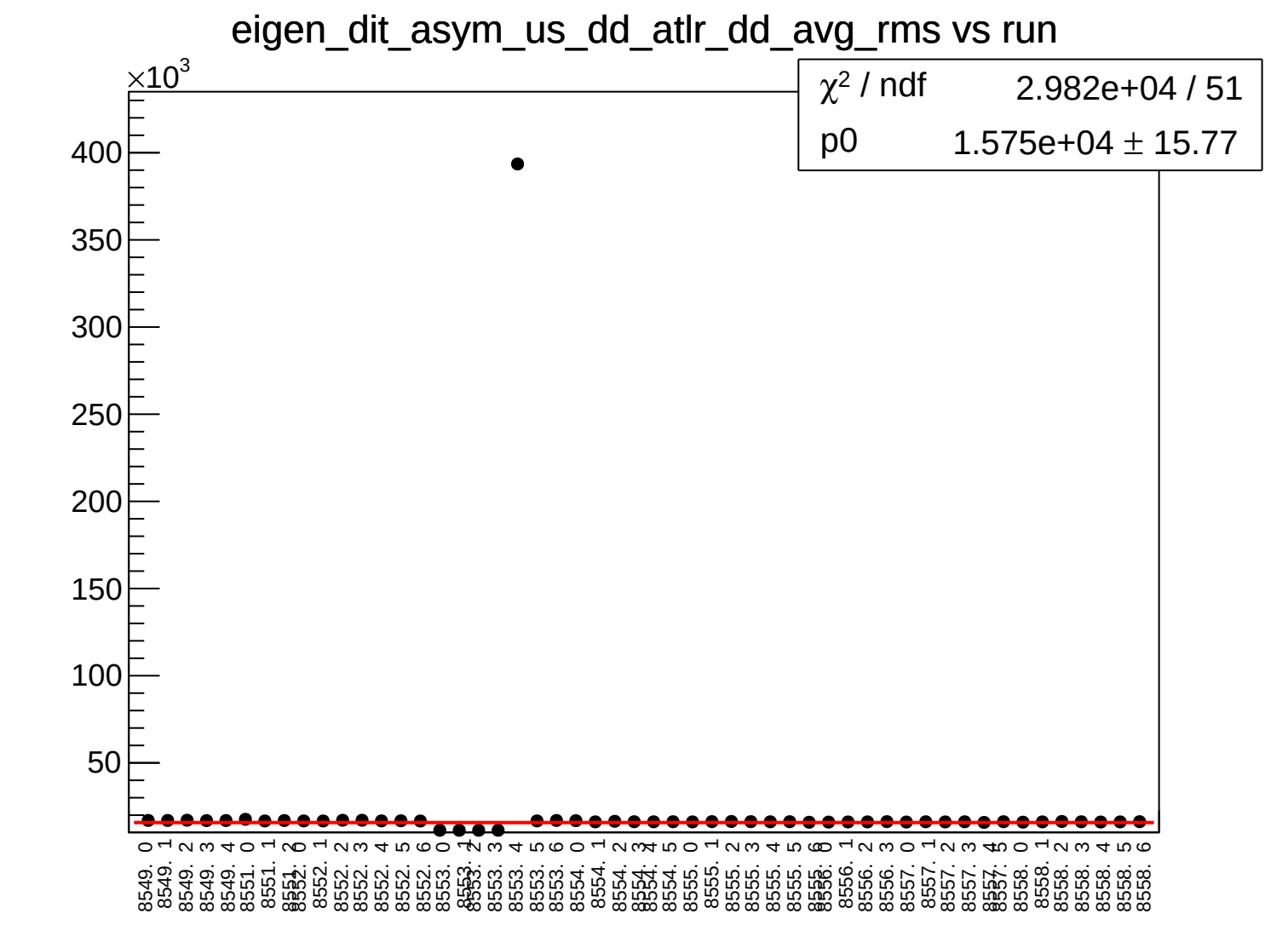

asym_us_dd_atlr_dd_avg_dit_correction_mean vs run
χ² / ndf 57.41 / 51
p0 −2914 ± 2084
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 52
Mean 3.099
Std Dev 0
2
1
0
−1
−2

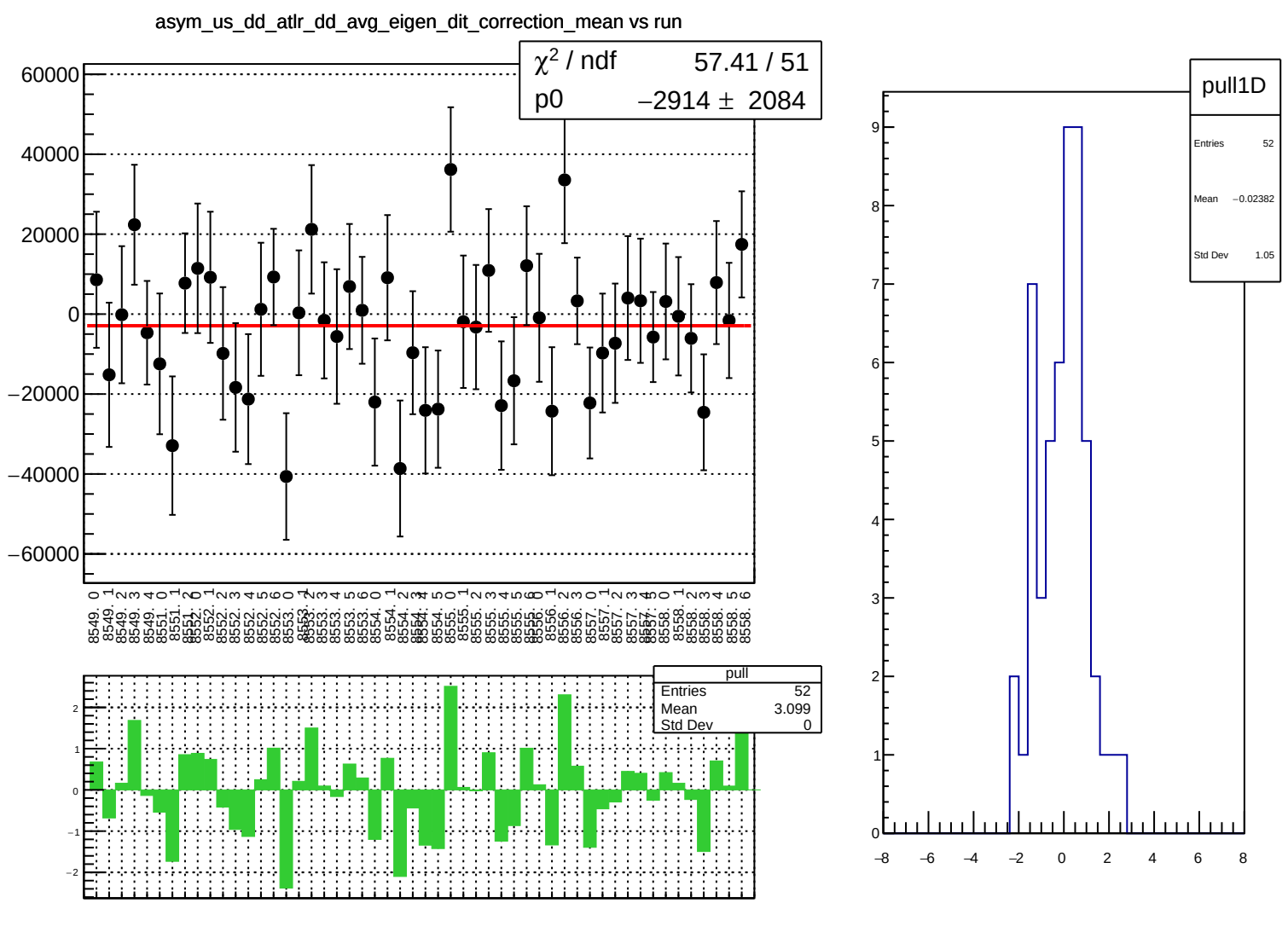

pull1D
Entries 52
Mean −0.02382
Std Dev 1.05
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

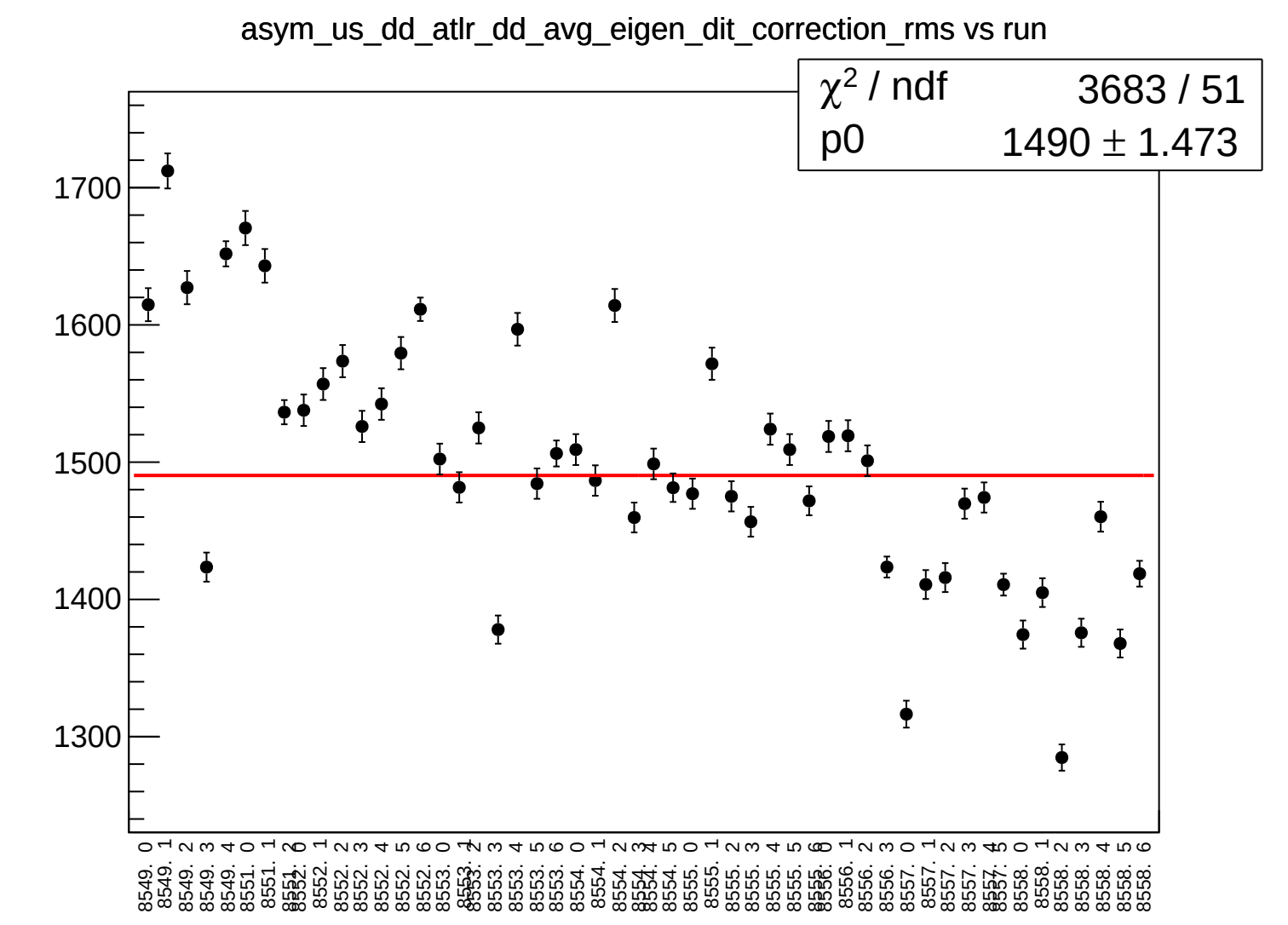

asym_us_dd_atlr_dd_avg_dit_correction_rms vs run
χ² / ndf 3683 / 51
p0 1490 ± 1.473
1700
1600
1500
1400
1300
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 5
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

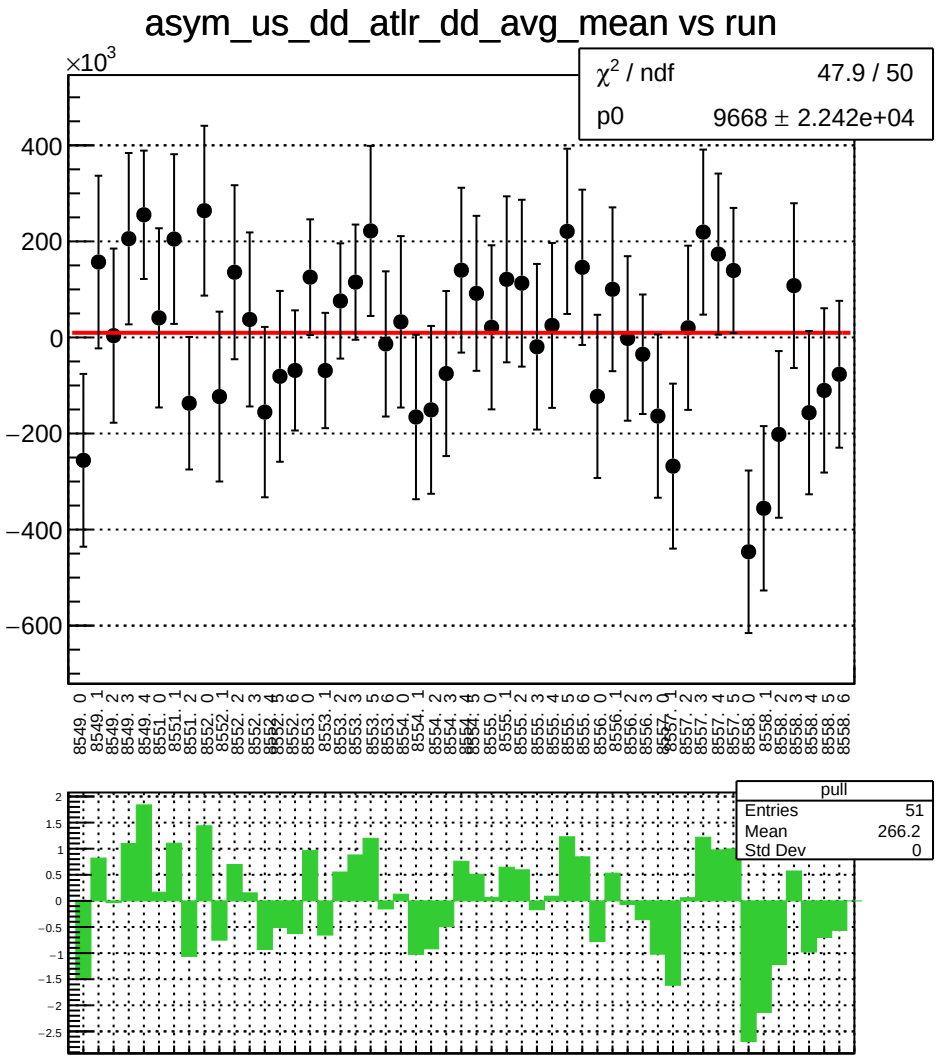

eigen_dit_asym_us_dd_atlr_dd_avg_mean vs run
×10^3
χ² / ndf 47.63 / 50
p0 6536 ± 2.231e+04
400
200
0
−200
−400
−600
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8551. 2
8552. 0
8552. 1
8552. 2
8552. 3
8552. 4
8552. 6
8553. 0
8553. 1
8553. 2
8553. 3
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 3
8554. 4
8554. 5
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8555. 6
8556. 0
8556. 1
8556. 2
8556. 3
8556. 4
8557. 0
8557. 1
8557. 2
8557. 3
8557. 4
8557. 5
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6
pull
Entries 51
Mean 241.9
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

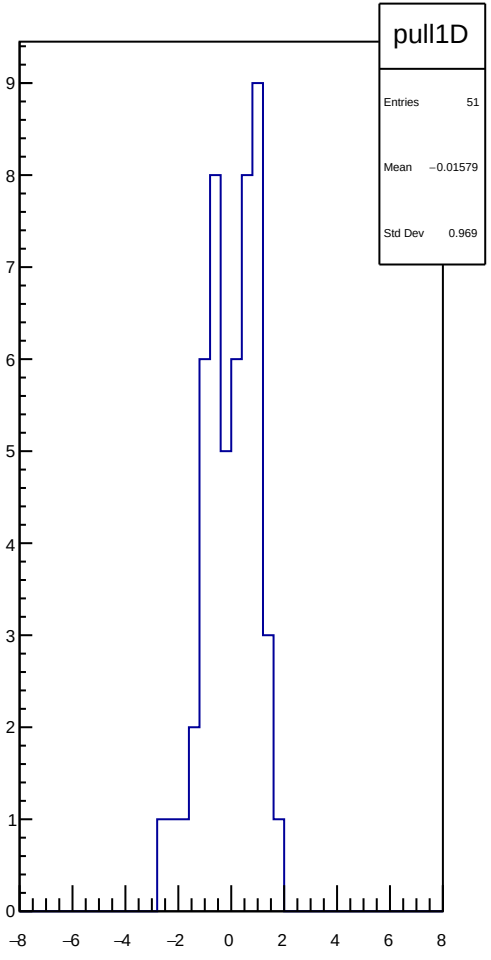

pull1D
Entries 51
Mean −0.0173
Std Dev 0.9663
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

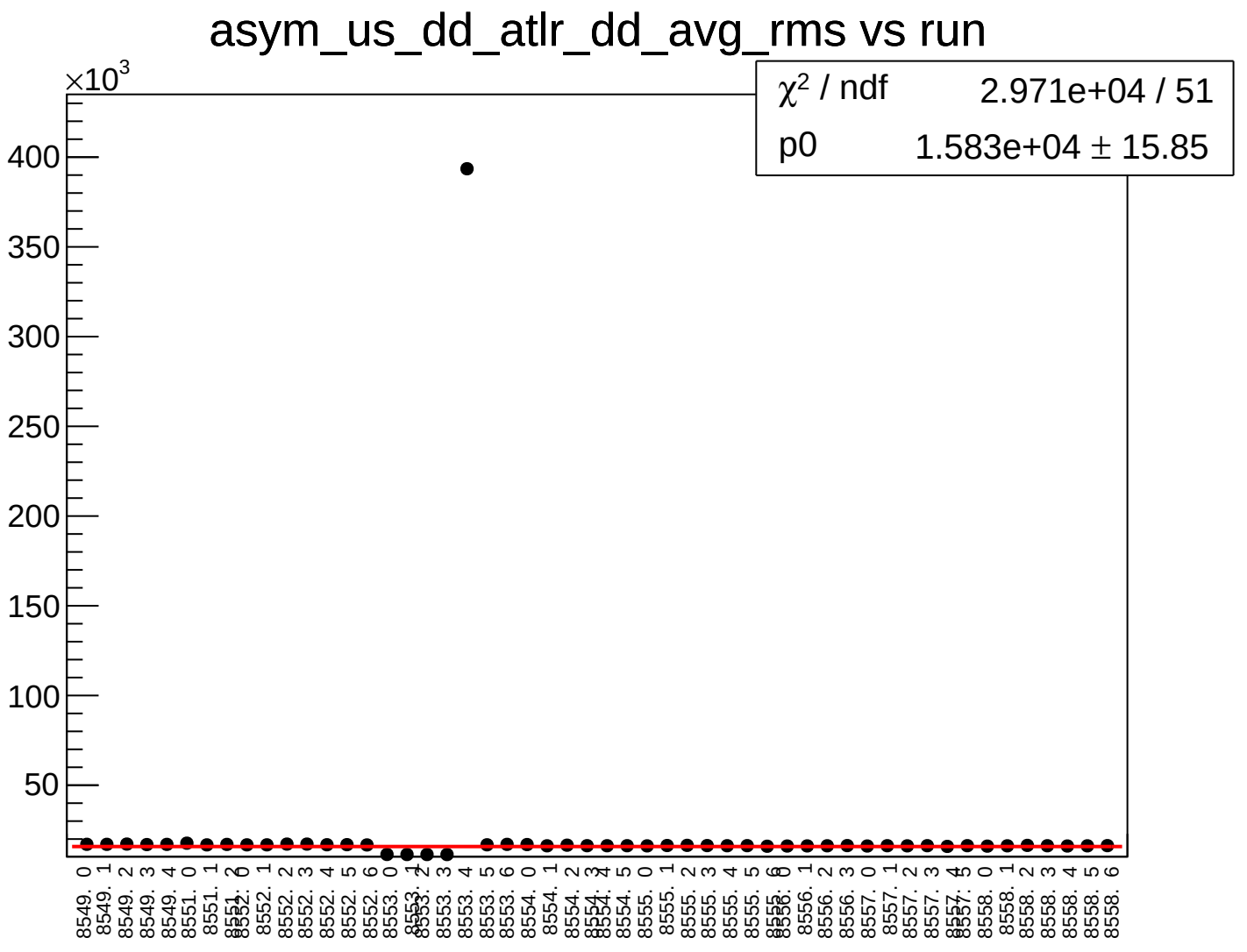

eigen_dit_asym_us_dd_atlr_dd_avg_rms vs run
×10^3
400
350
300
250
200
150
100
50
χ² / ndf 2.982e+04 / 51
p0 1.575e+04 ± 15.77
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 1
8553. 2
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 5
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

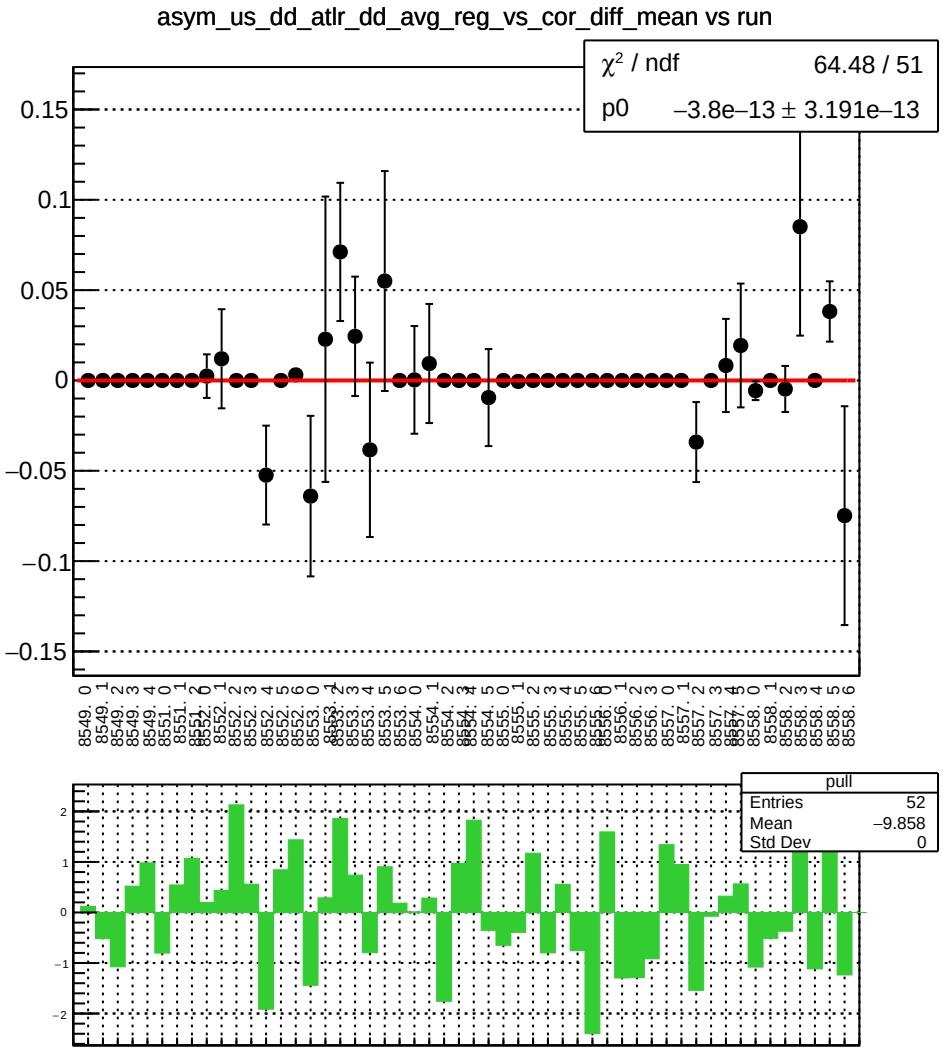

asym_us_dd_atlr_dd_avg_eigen_dit_correction_mean vs run
χ² / ndf 57.41 / 51
p0 −2914 ± 2084
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 52
Mean 3.099
Std Dev 0
pull1D
Entries 52
Mean −0.02382
Std Dev 1.05

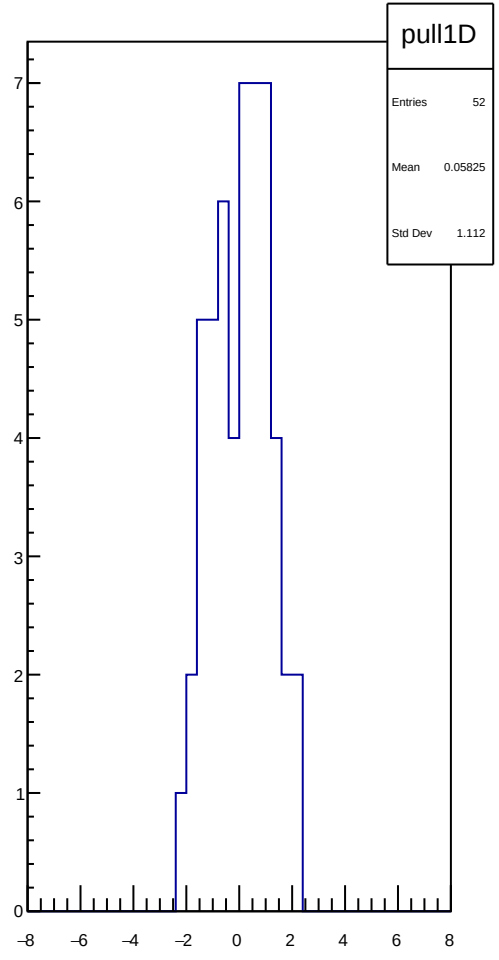

asym_us_dd_atlr_dd_avg_eigen_dit_correction_rms vs run
χ² / ndf 3683 / 51
p0 1490 ± 1.473
1700
1600
1500
1400
1300
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 5
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

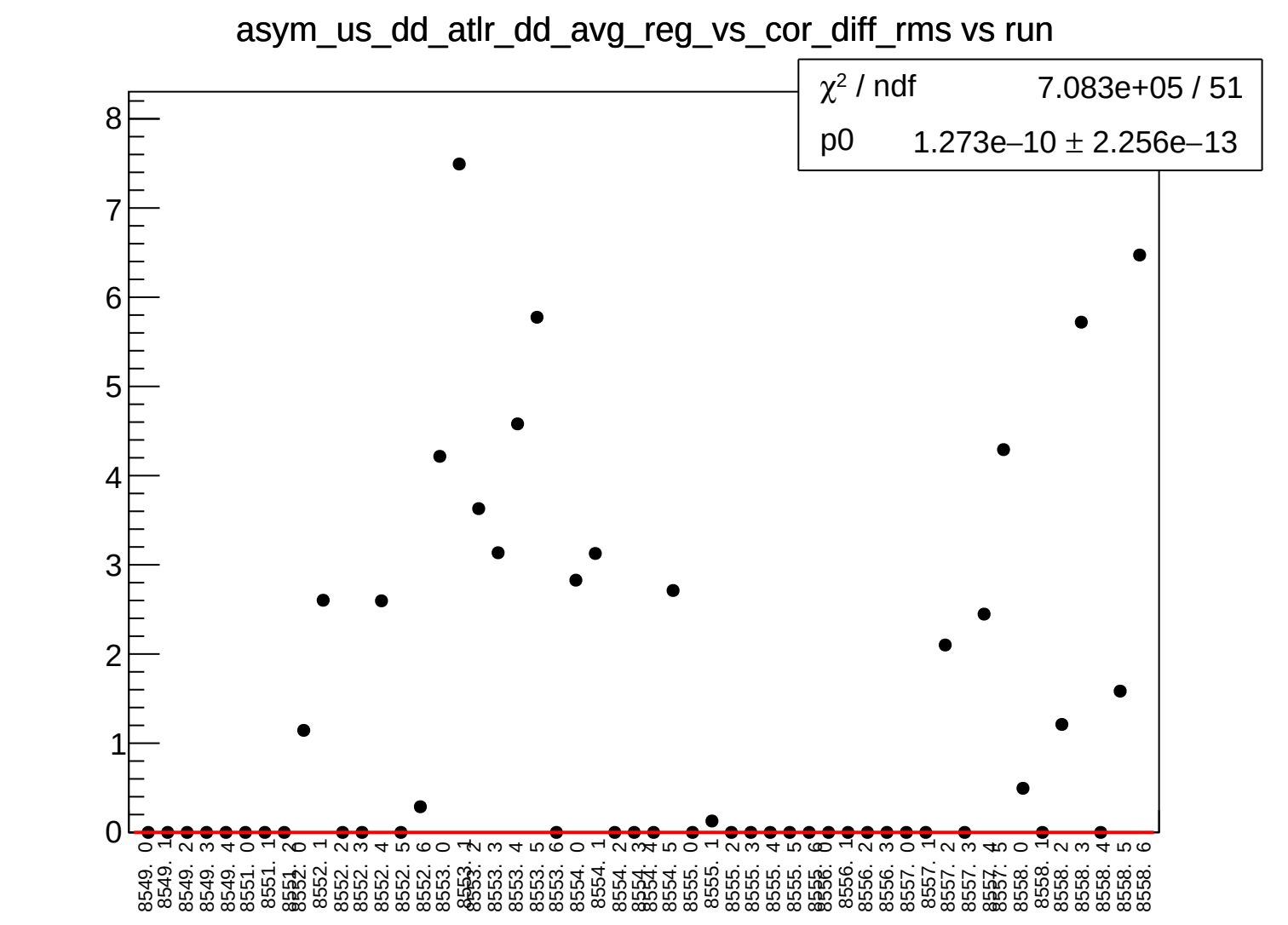

asym_us_dd_atlr_dd_avg_mean vs run
×10^3
χ² / ndf 47.9 / 50
p0 9668 ± 2.242e+04
400
200
0
−200
−400
−600
pull
Entries 51
Mean 266.2
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

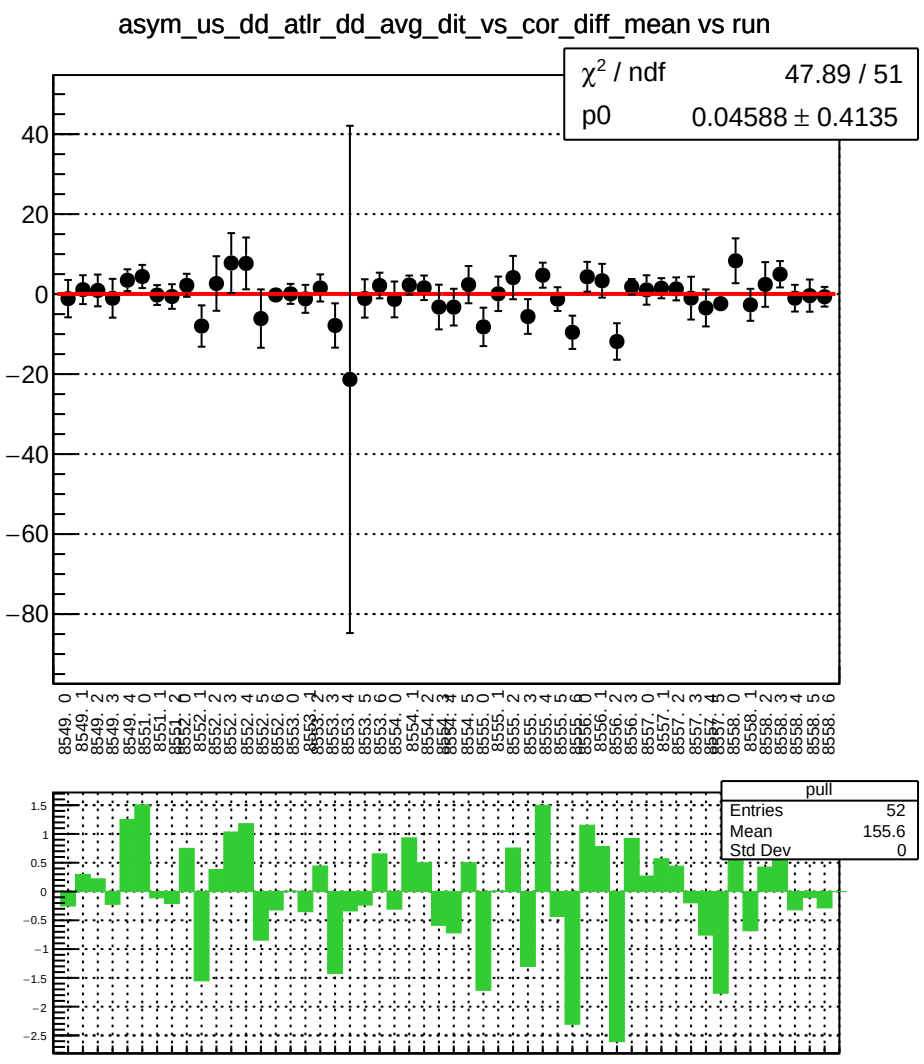

pull1D
Entries 51
Mean −0.01579
Std Dev 0.969
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

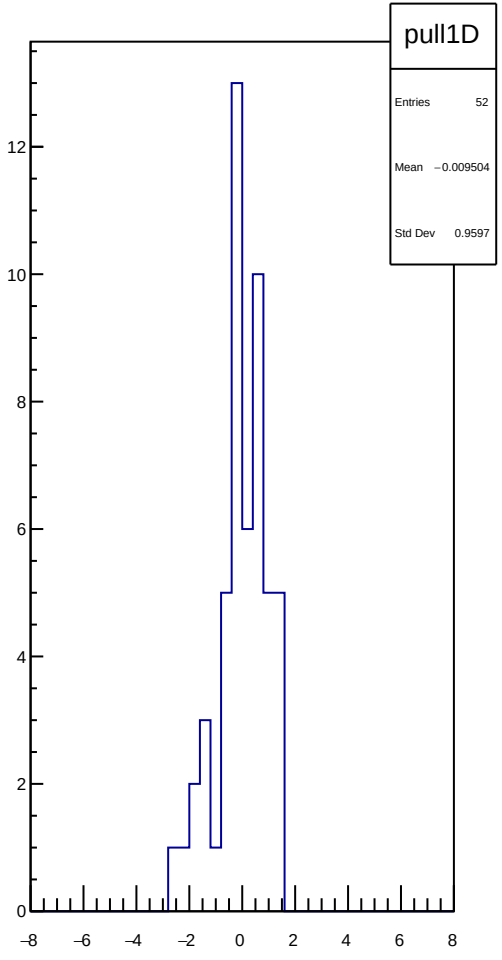

asym_us_dd_atlr_dd_avg_rms vs run
×10^3
400
350
300
250
200
150
100
50
χ² / ndf 2.971e+04 / 51
p0 1.583e+04 ± 15.85
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 5
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

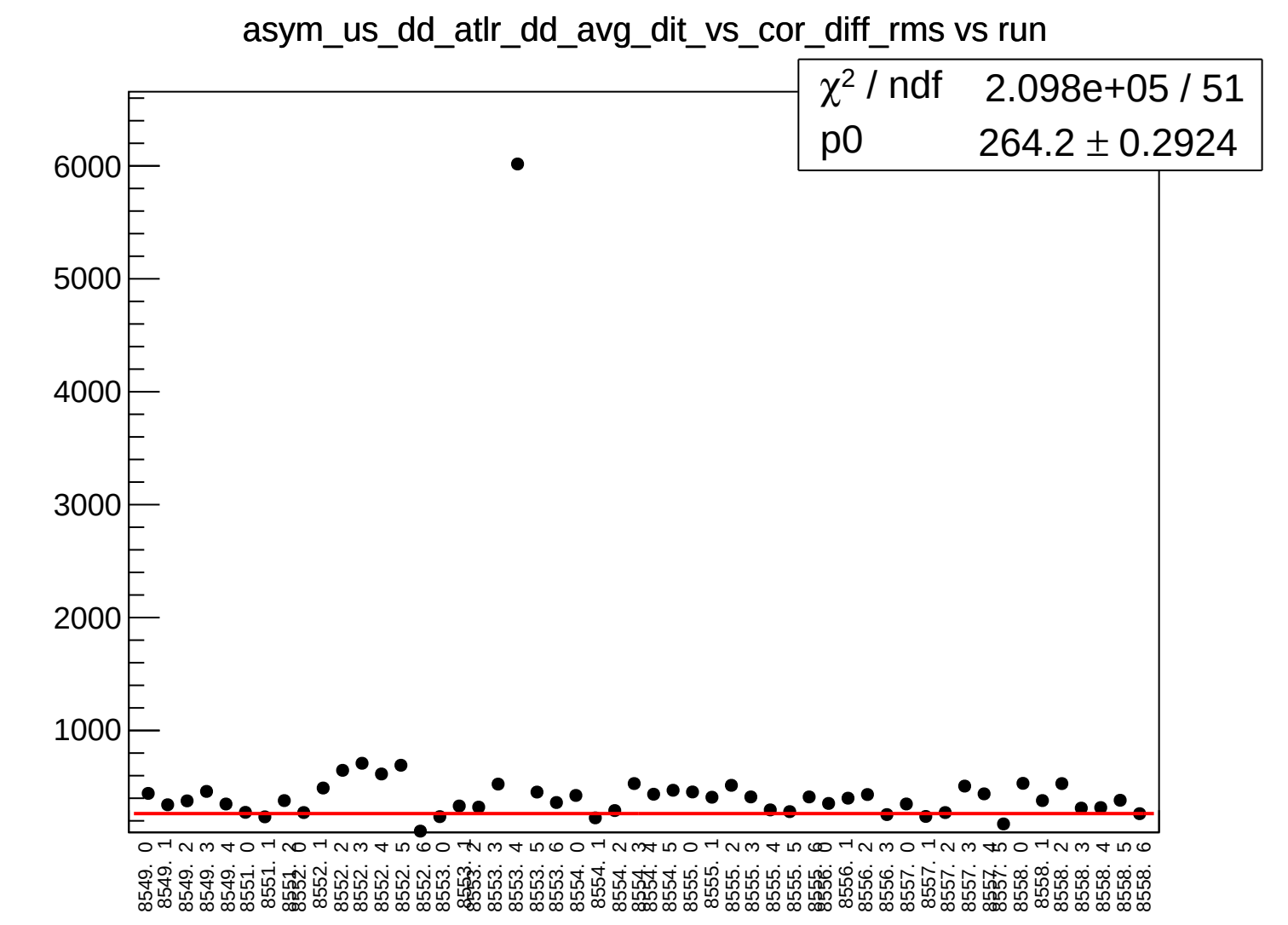

asym_us_dd_atlr_dd_avg_reg_vs_cor_diff_mean vs run
χ² / ndf 64.48 / 51
p0 −3.8e−13 ± 3.191e−13
pull
Entries 52
Mean −9.858
Std Dev 0

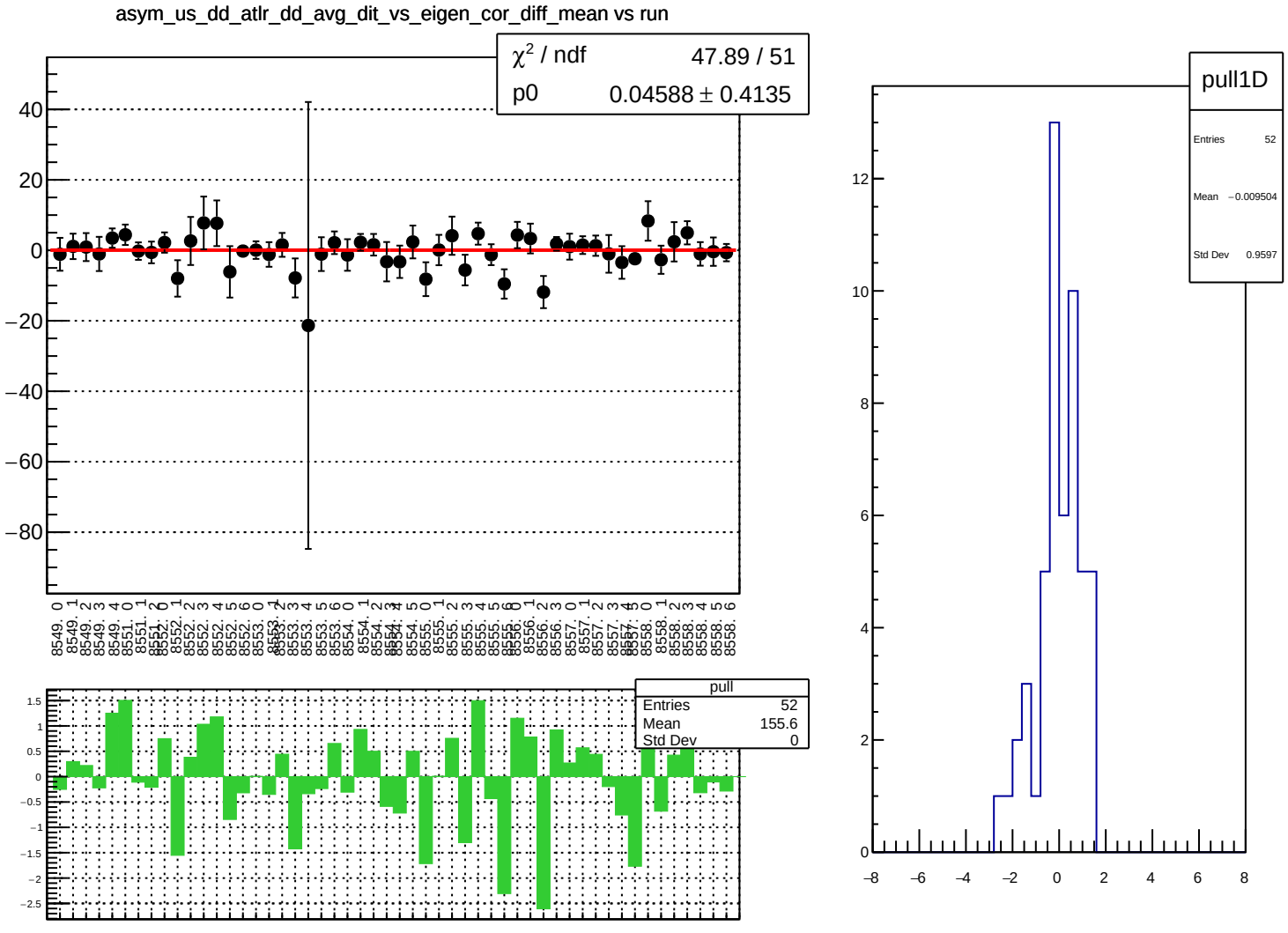

pull1D
Entries 52
Mean 0.05825
Std Dev 1.112

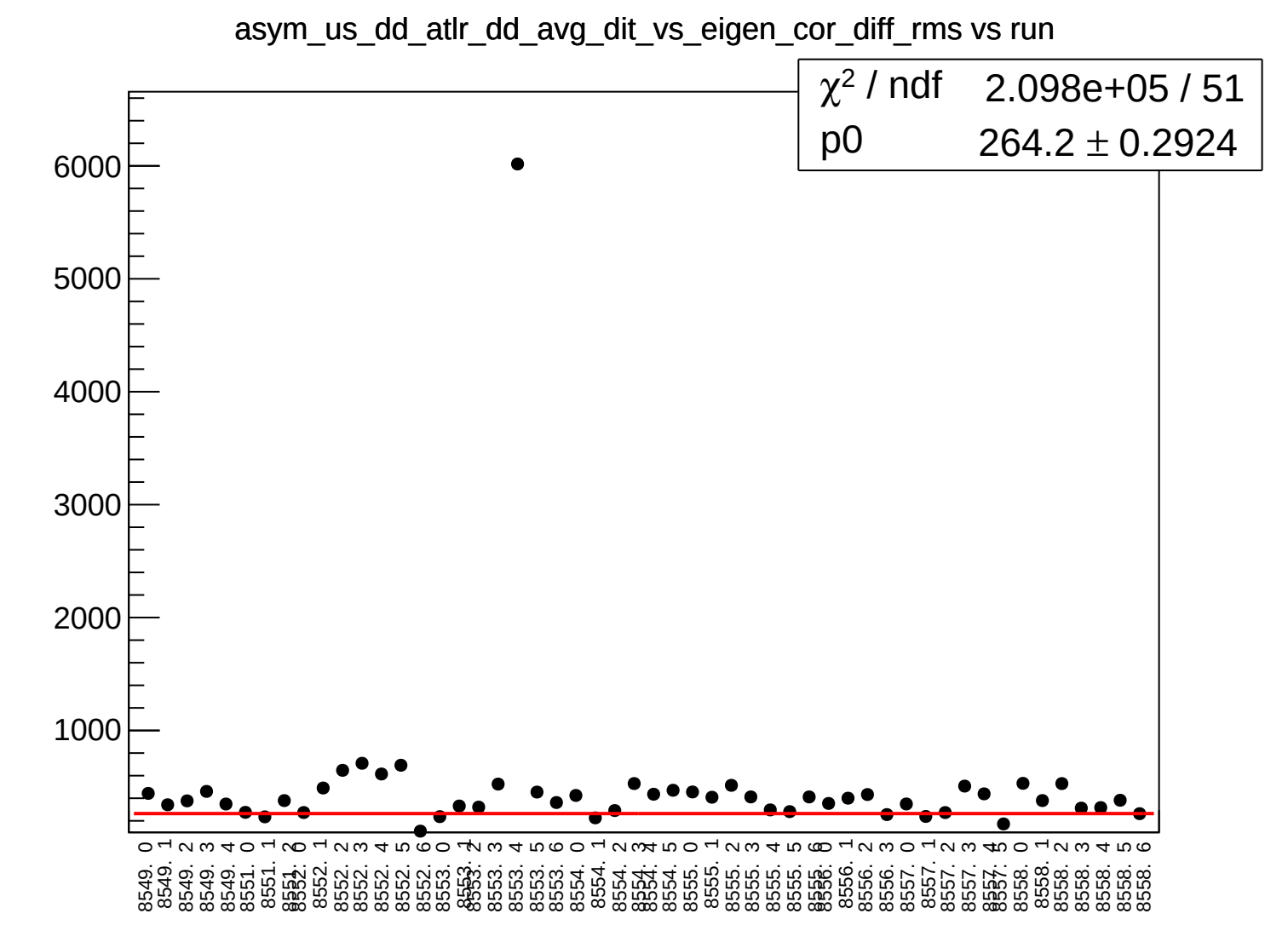

asym_us_dd_atlr_dd_avg_reg_vs_cor_diff_rms vs run
χ² / ndf 7.083e+05 / 51
p0 1.273e−10 ± 2.256e−13
0
1
2
3
4
5
6
7
8
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8551. 2
8552. 0
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 1
8553. 2
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 3
8554. 4
8554. 5
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8555. 6
8556. 0
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8557. 4
8557. 5
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

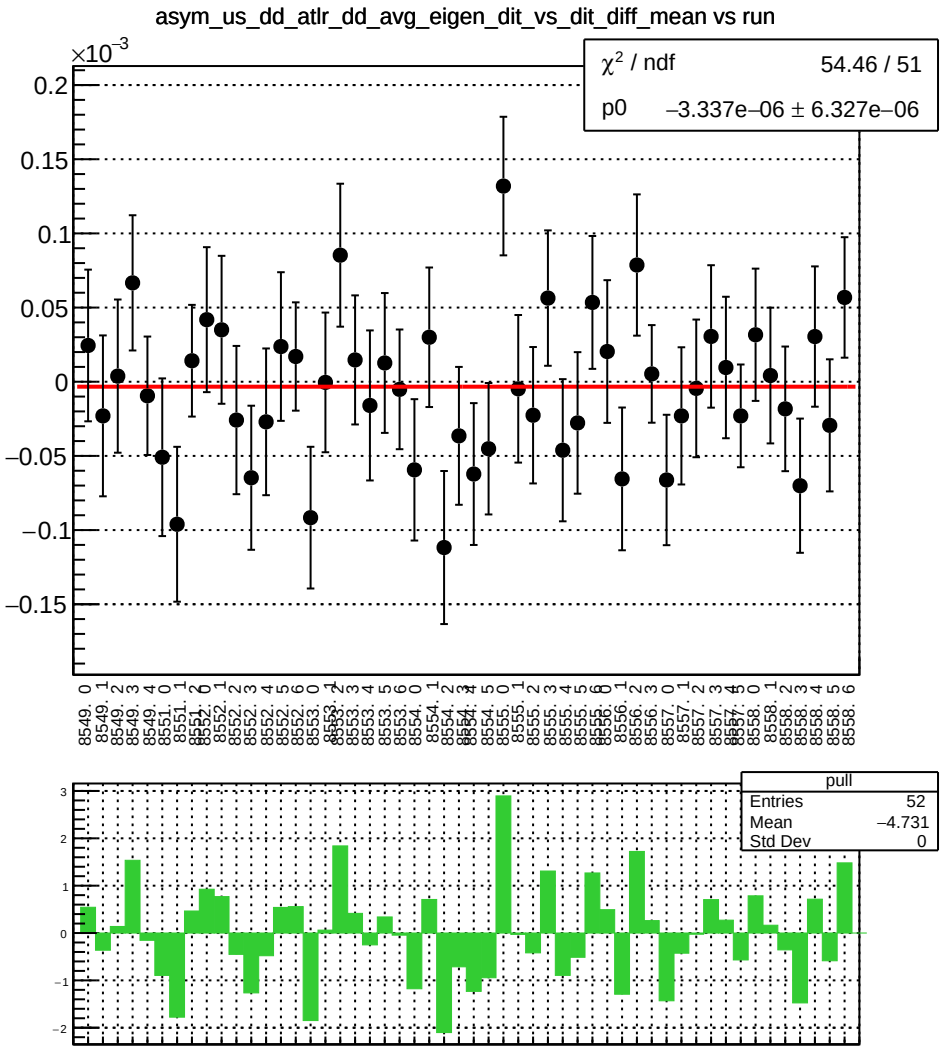

asym_us_dd_atlr_dd_avg_dit_vs_cor_diff_mean vs run
χ² / ndf 47.89 / 51
p0 0.04588 ± 0.4135
pull
Entries 52
Mean 155.6
Std Dev 0

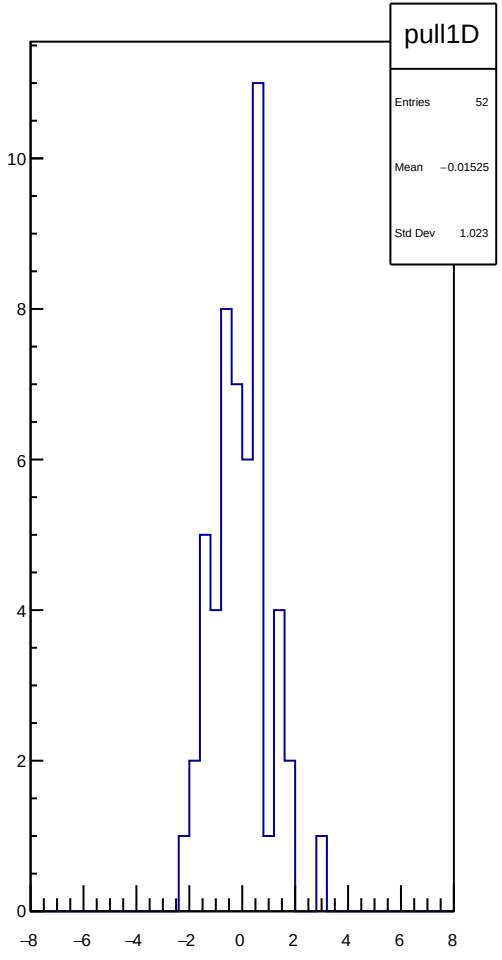

pull1D
Entries 52
Mean −0.009504
Std Dev 0.9597

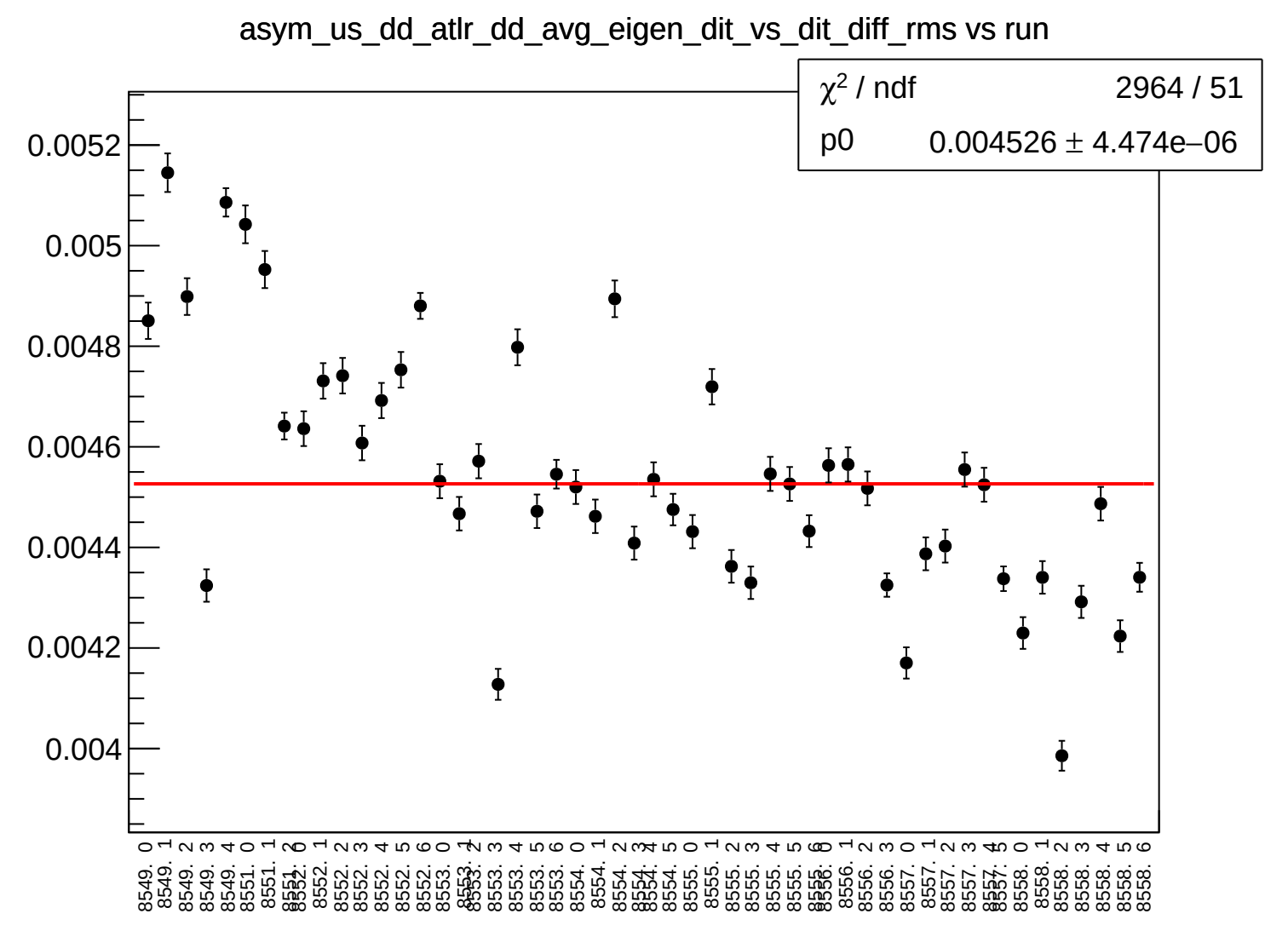

asym_us_dd_atlr_dd_avg_dit_vs_cor_diff_rms vs run
χ² / ndf 2.098e+05 / 51
p0 264.2 ± 0.2924
6000
5000
4000
3000
2000
1000
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

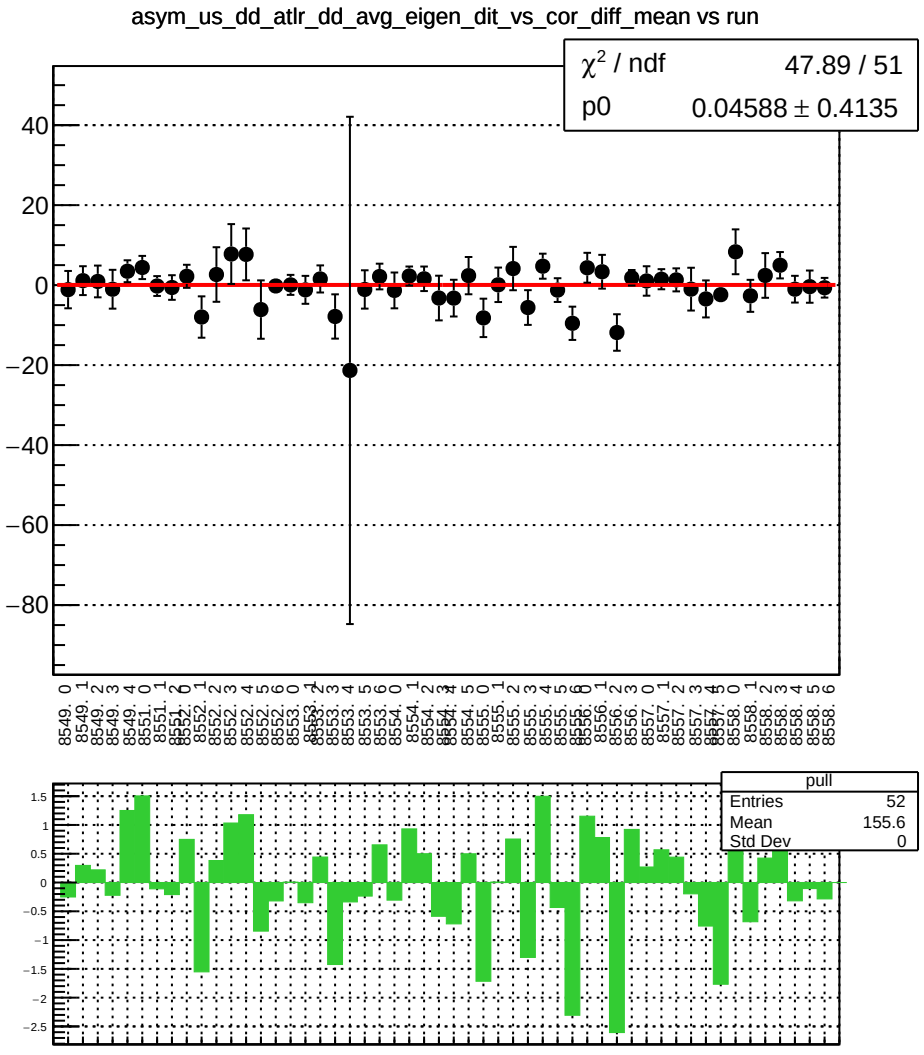

asym_us_dd_atlr_dd_avg_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 47.89 / 51
p0 0.04588 ± 0.4135
pull
Entries 52
Mean 155.6
Std Dev 0
pull1D
Entries 52
Mean −0.009504
Std Dev 0.9597

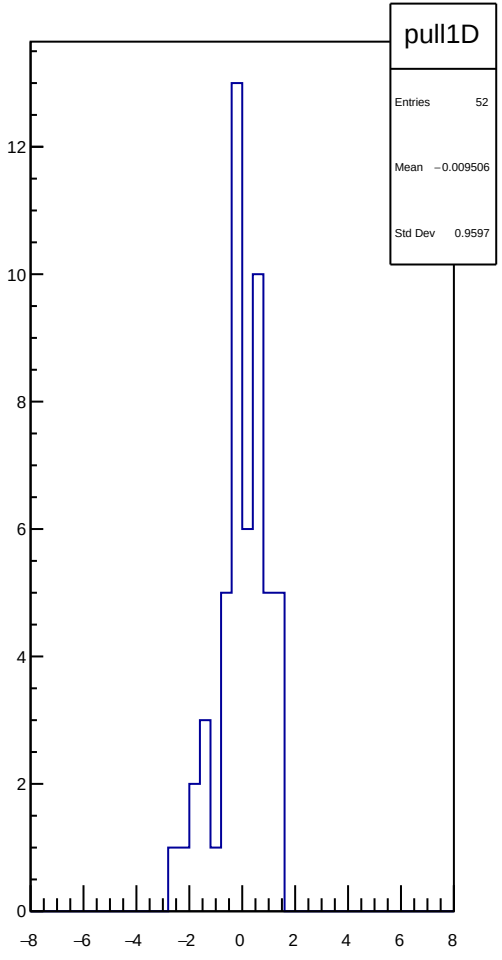

asym_us_dd_atlr_dd_avg_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 2.098e+05 / 51
p0 264.2 ± 0.2924
6000
5000
4000
3000
2000
1000
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 0
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 1
8553. 2
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 5
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

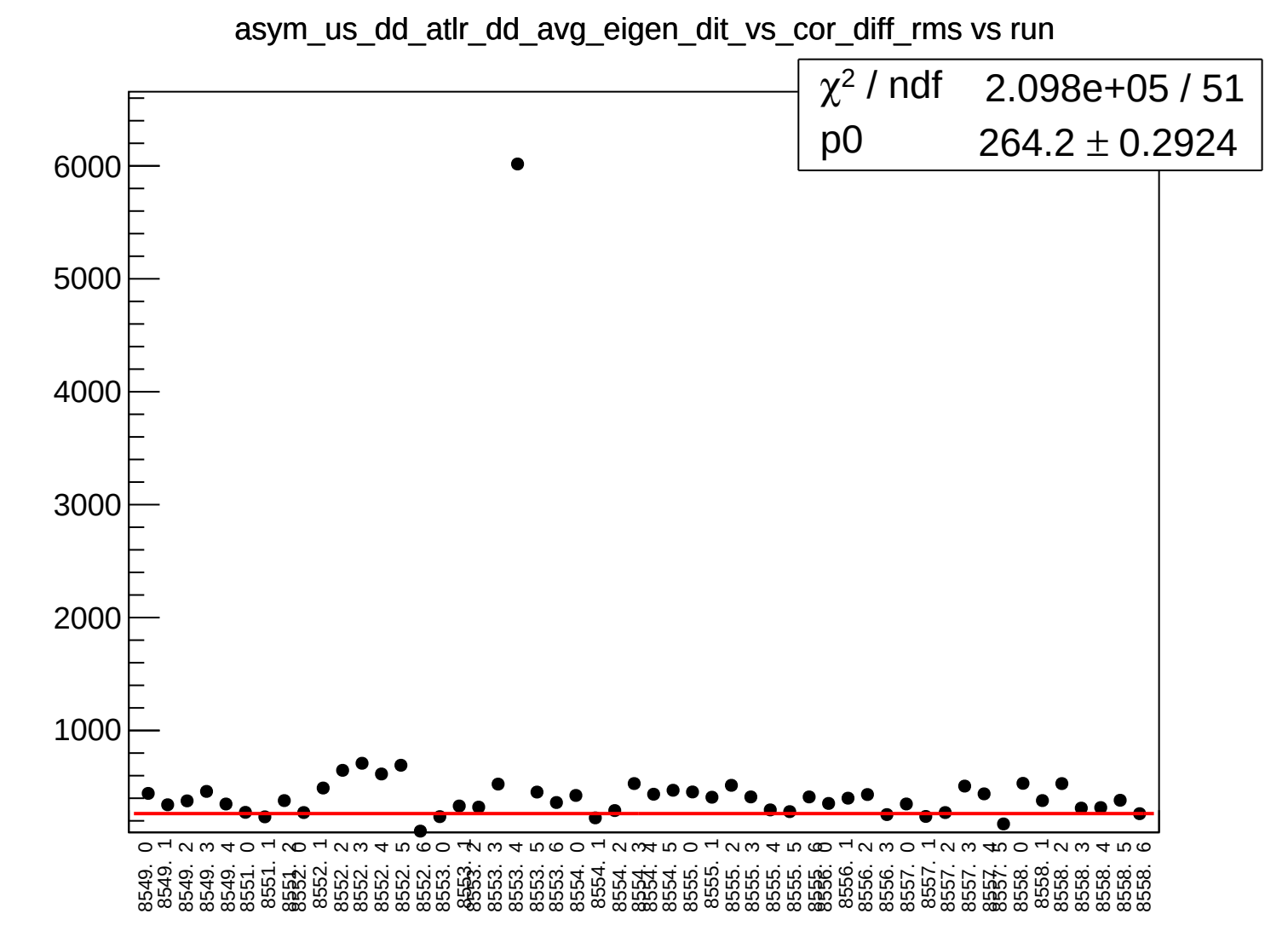

asym_us_dd_atlr_dd_avg_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 54.46 / 51
p0 −3.337e−06 ± 6.327e−06
pull
Entries 52
Mean −4.731
Std Dev 0

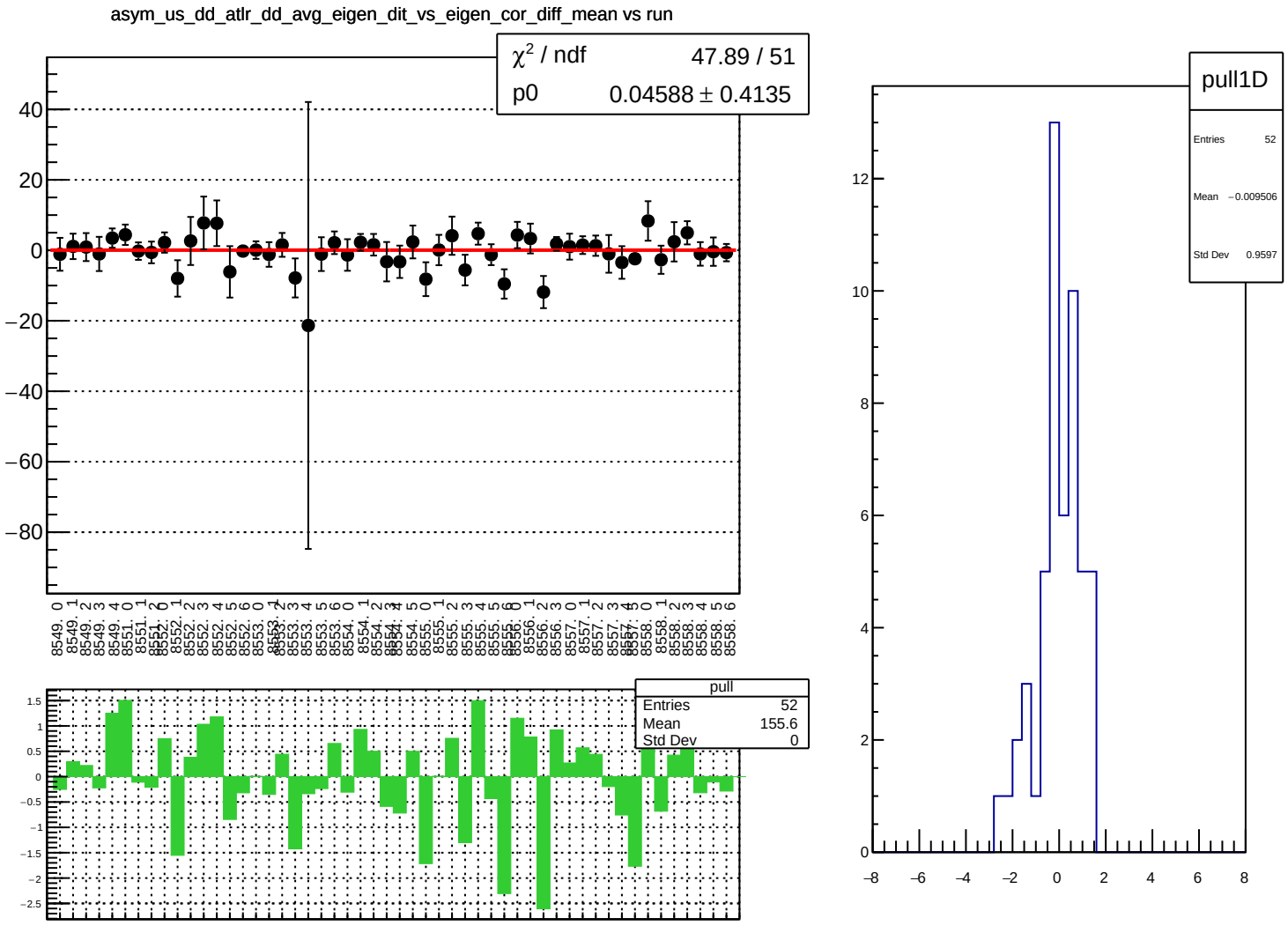

pull1D
Entries 52
Mean −0.01525
Std Dev 1.023

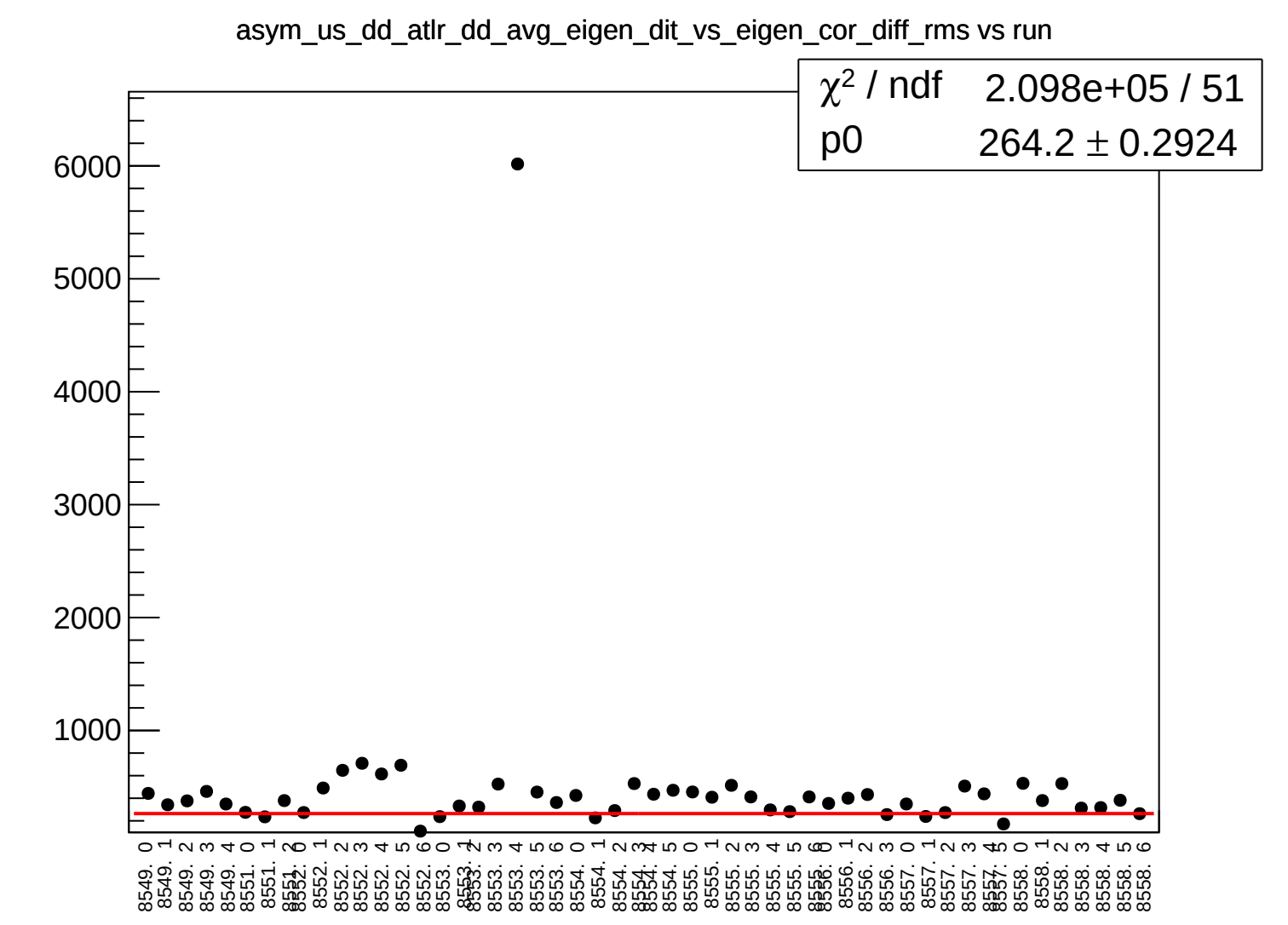

asym_us_dd_atlr_dd_avg_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 2964 / 51
p0 0.004526 ± 4.474e−06
0.0052
0.005
0.0048
0.0046
0.0044
0.0042
0.004
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 5
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6


asym_us_dd_atlr_dd_avg_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 47.89 / 51
p0 0.04588 ± 0.4135
pull
Entries 52
Mean 155.6
Std Dev 0


pull1D
Entries 52
Mean −0.009506
Std Dev 0.9597


asym_us_dd_atlr_dd_avg_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 2.098e+05 / 51
p0 264.2 ± 0.2924
6000
5000
4000
3000
2000
1000
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6


asym_us_dd_atlr_dd_avg_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 47.89 / 51
p0 0.04588 ± 0.4135
pull
Entries 52
Mean 155.6
Std Dev 0
pull1D
Entries 52
Mean −0.009506
Std Dev 0.9597


asym_us_dd_atlr_dd_avg_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 2.098e+05 / 51
p0 264.2 ± 0.2924
6000
5000
4000
3000
2000
1000
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 0
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 1
8553. 2
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 3
8554. 4
8554. 5
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 0
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
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8557. 5
8558. 0
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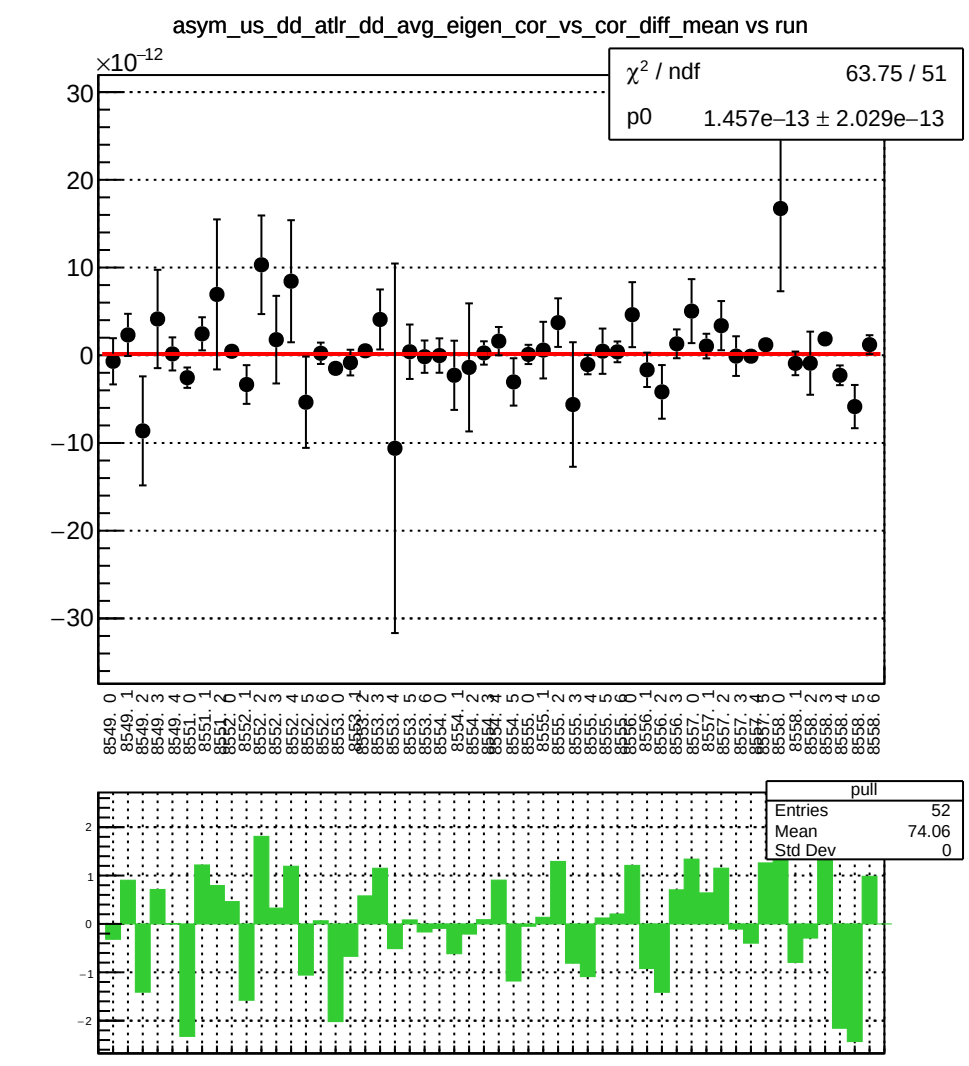
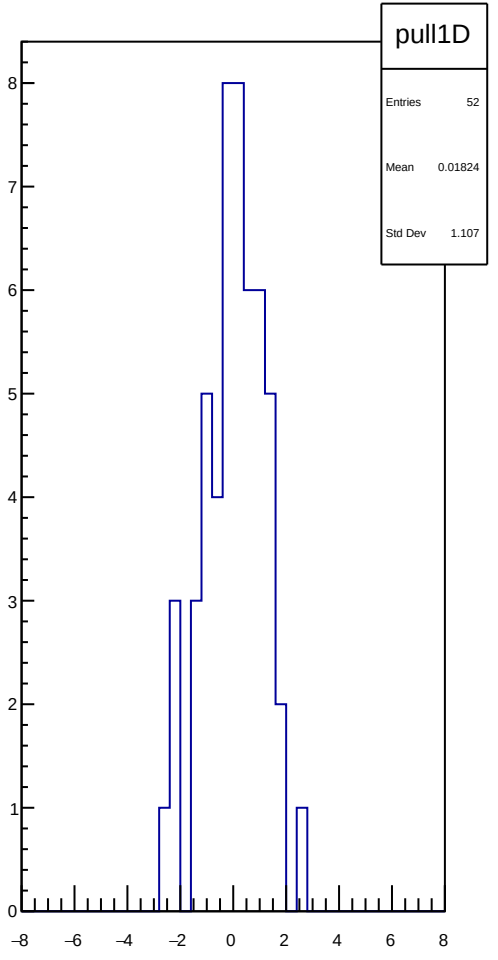
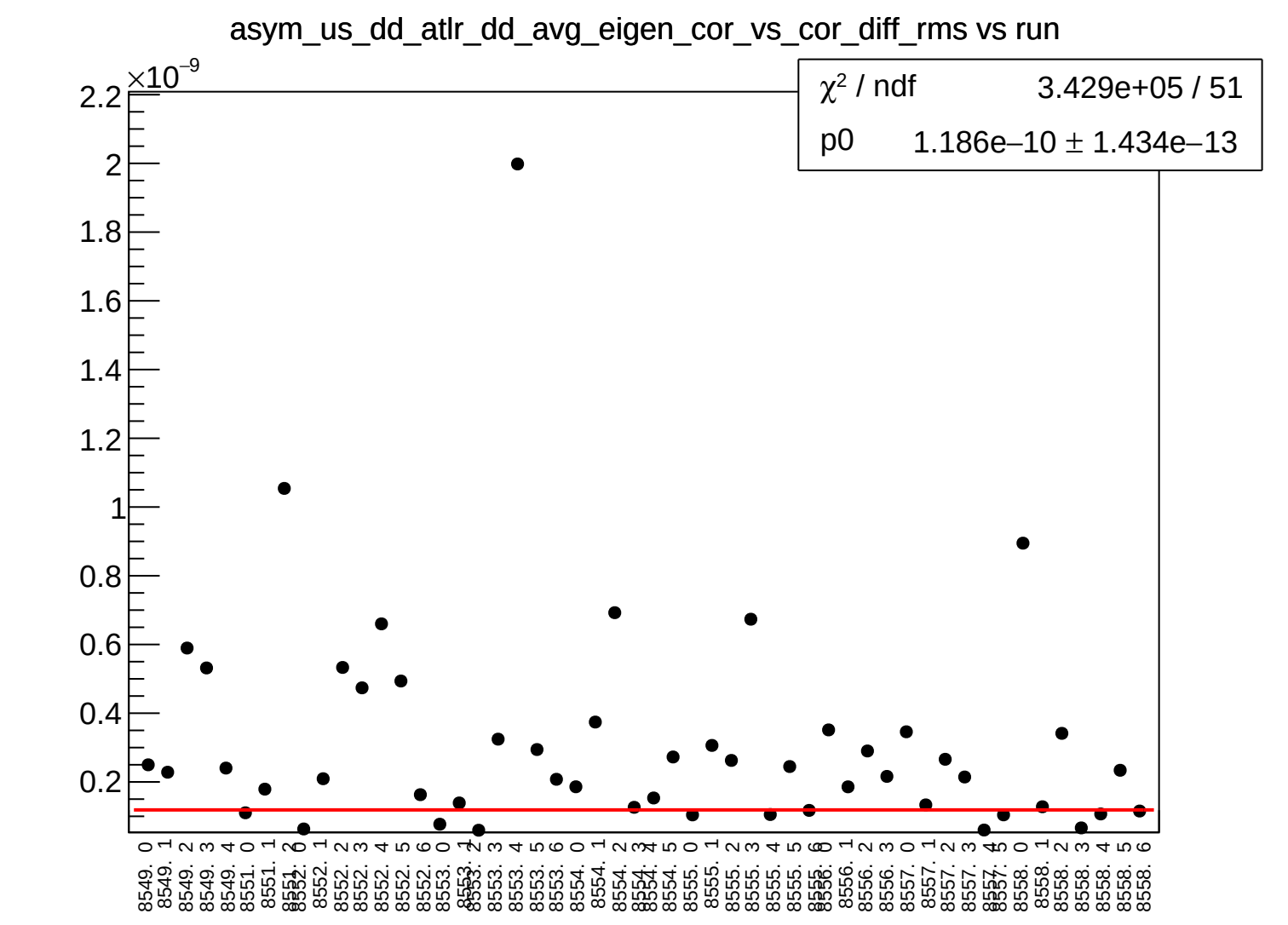
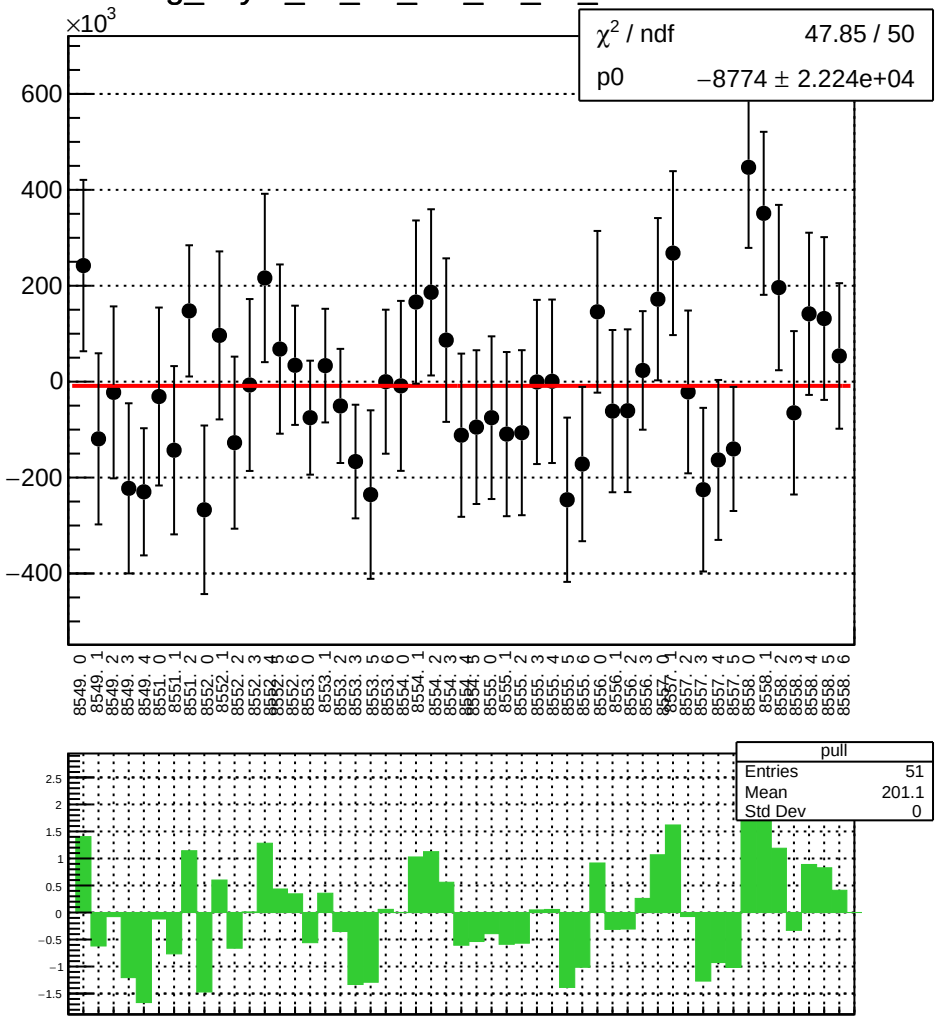
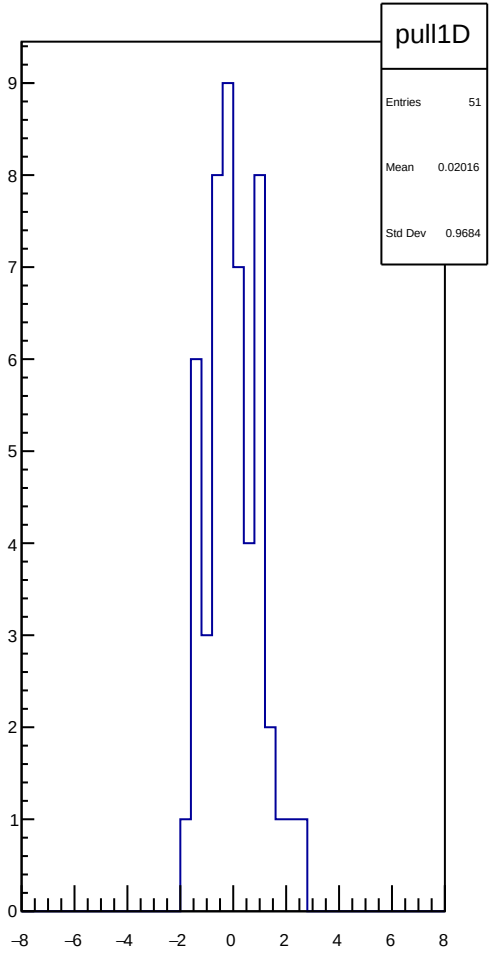
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

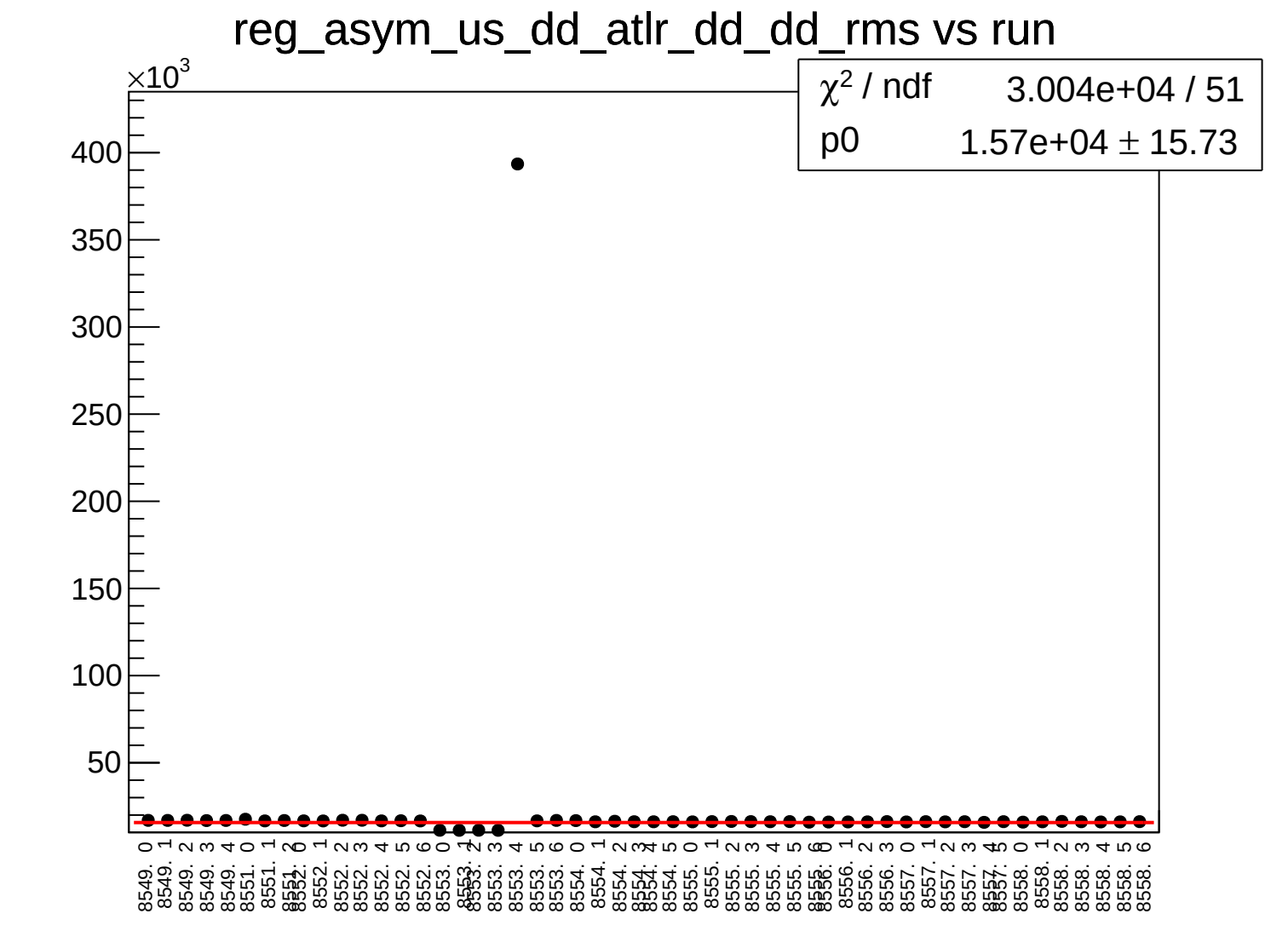

asym_us_dd_atlr_dd_avg_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 63.75 / 51
p0 1.457e−13 ± 2.029e−13
pull
Entries 52
Mean 74.06
Std Dev 0

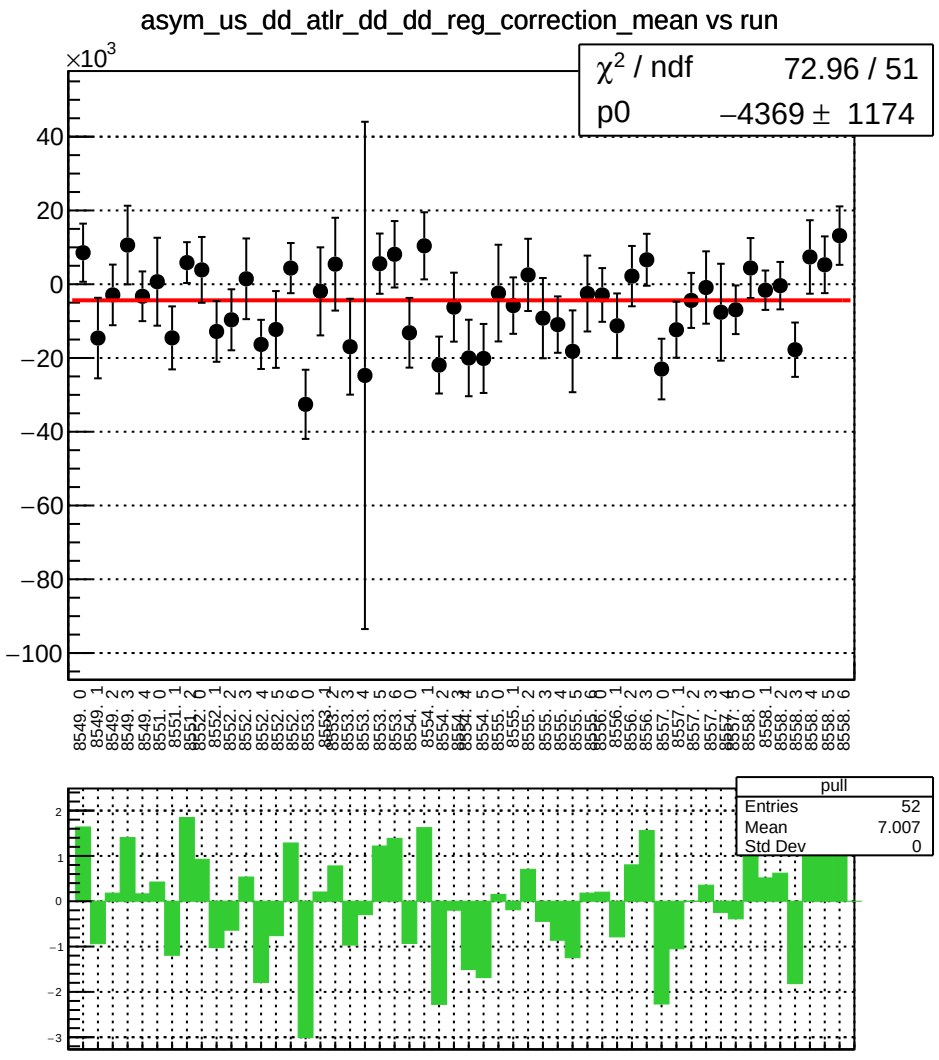

pull1D
Entries 52
Mean 0.01824
Std Dev 1.107

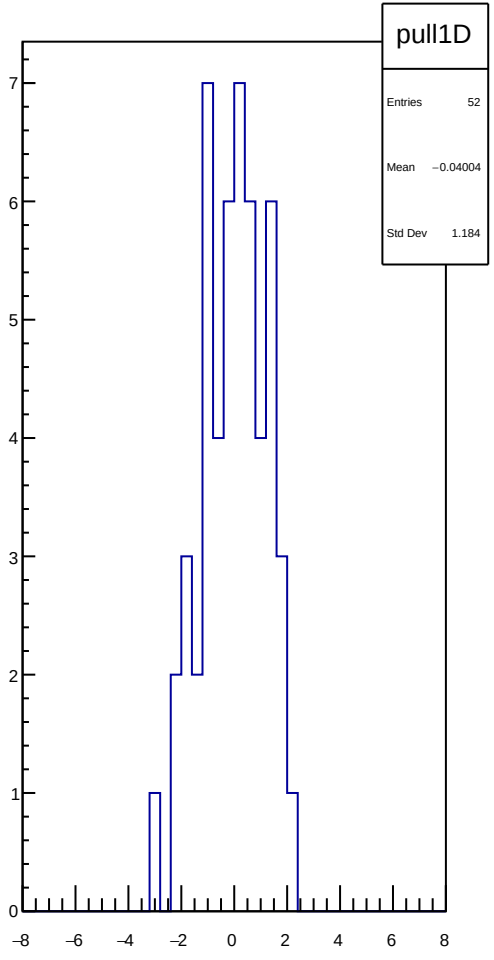

asym_us_dd_atlr_dd_avg_eigen_cor_vs_cor_diff_rms vs run
χ^2 / ndf 3.429e+05 / 51
p0 1.186e−10 ± 1.434e−13
×10⁻⁹
2.2
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 0
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

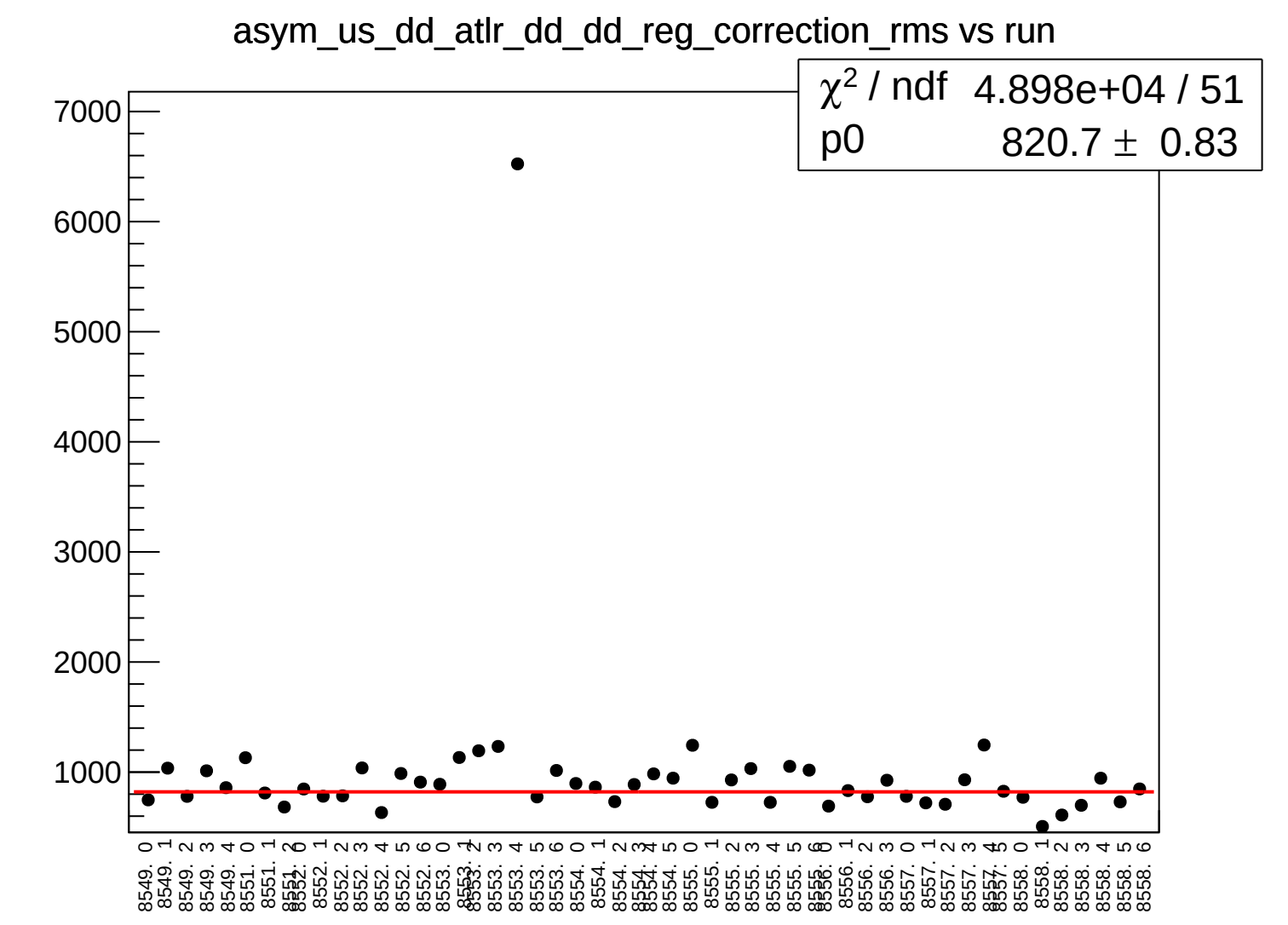

reg_asym_us_dd_atlr_dd_dd_mean vs run
×10^3
χ² / ndf 47.85 / 50
p0 −8774 ± 2.224e+04
600
400
200
0
−200
−400
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8551. 2
8552. 0
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 1
8553. 2
8553. 3
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 3
8554. 4
8554. 5
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8555. 6
8556. 0
8556. 1
8556. 2
8556. 3
8556. 4
8557. 0
8557. 1
8557. 2
8557. 3
8557. 4
8557. 5
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6
pull
Entries 51
Mean 201.1
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5

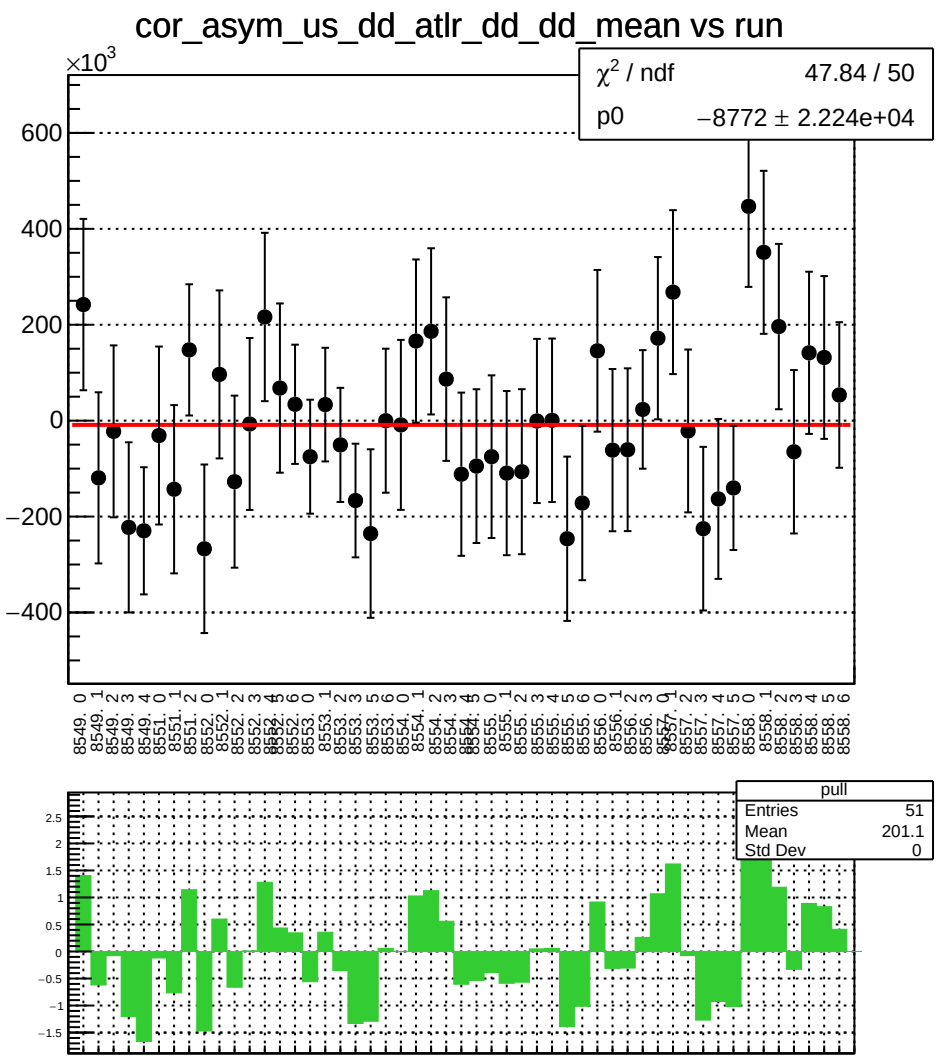

pull1D
Entries 51
Mean 0.02016
Std Dev 0.9684
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

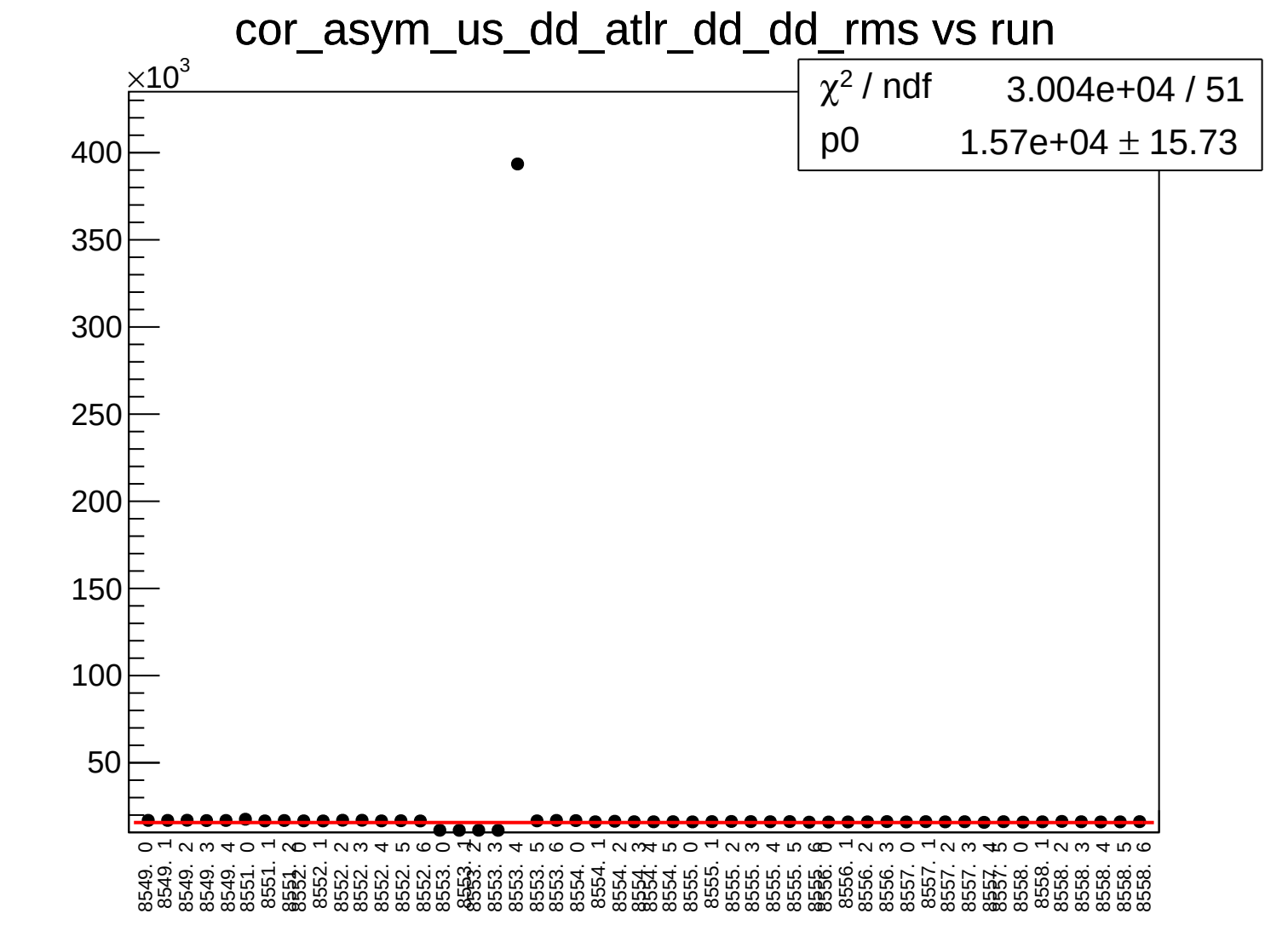

reg_asym_us_dd_atlr_dd_dd_rms vs run
×10^3
400
350
300
250
200
150
100
50
χ² / ndf 3.004e+04 / 51
p0 1.57e+04 ± 15.73
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 1
8553. 2
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 5
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

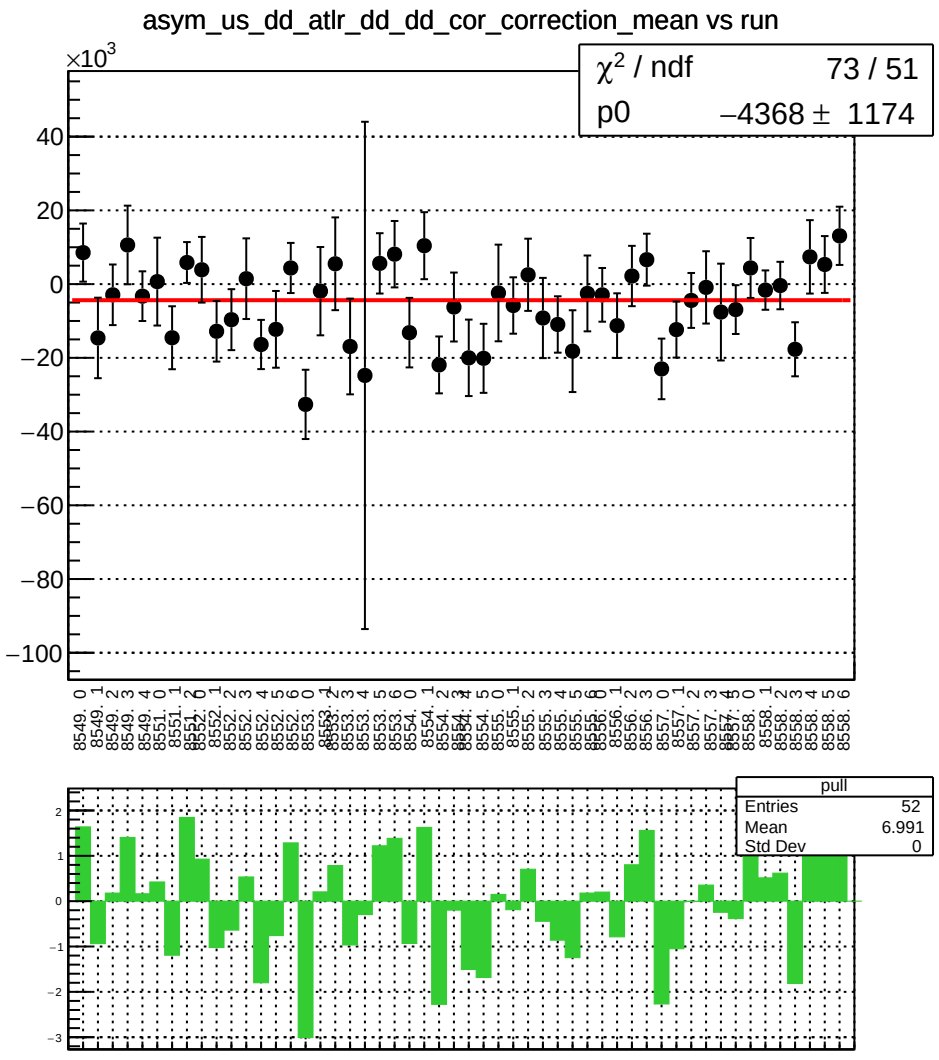

asym_us_dd_atlr_dd_dd_reg_correction_mean vs run
×10^3
χ^2 / ndf 72.96 / 51
p0 −4369 ± 1174
40
20
0
−20
−40
−60
−80
−100
pull
Entries 52
Mean 7.007
Std Dev 0
2
1
0
−1
−2
−3

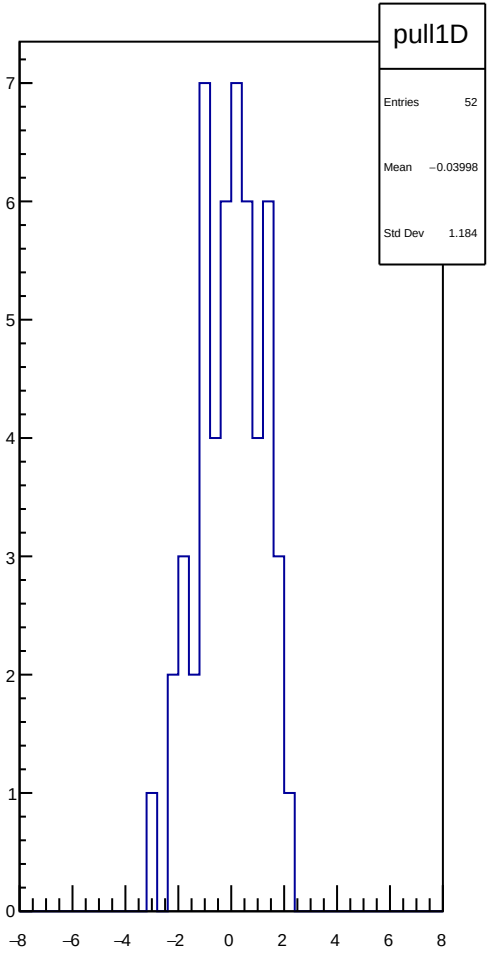

pull1D
Entries 52
Mean −0.04004
Std Dev 1.184
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

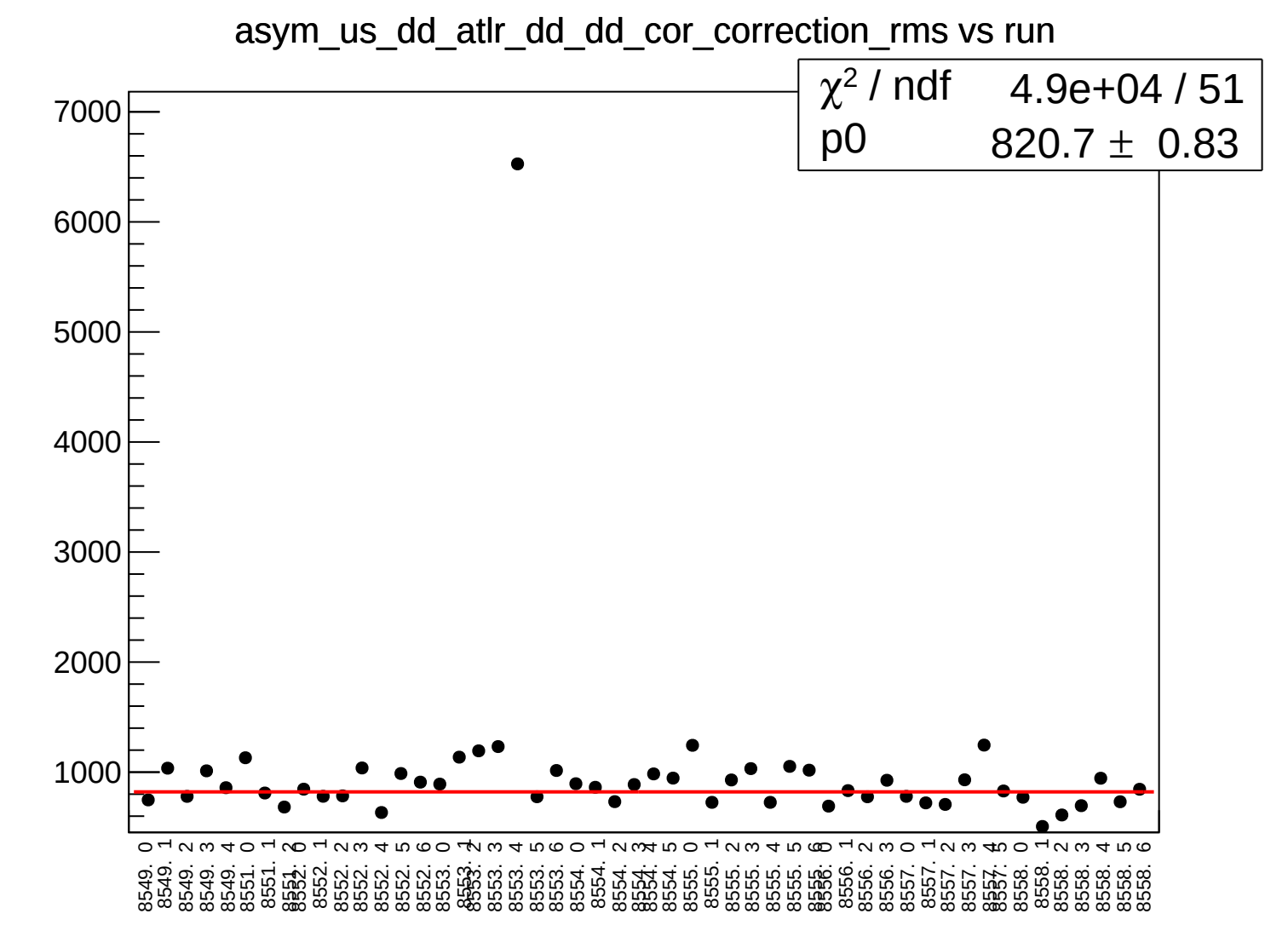

asym_us_dd_atlr_dd_dd_reg_correction_rms vs run
χ² / ndf 4.898e+04 / 51
p0 820.7 ± 0.83
7000
6000
5000
4000
3000
2000
1000
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8551. 2
8552. 0
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 1
8553. 2
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 3
8554. 4
8554. 5
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8555. 6
8556. 0
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8557. 4
8557. 5
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

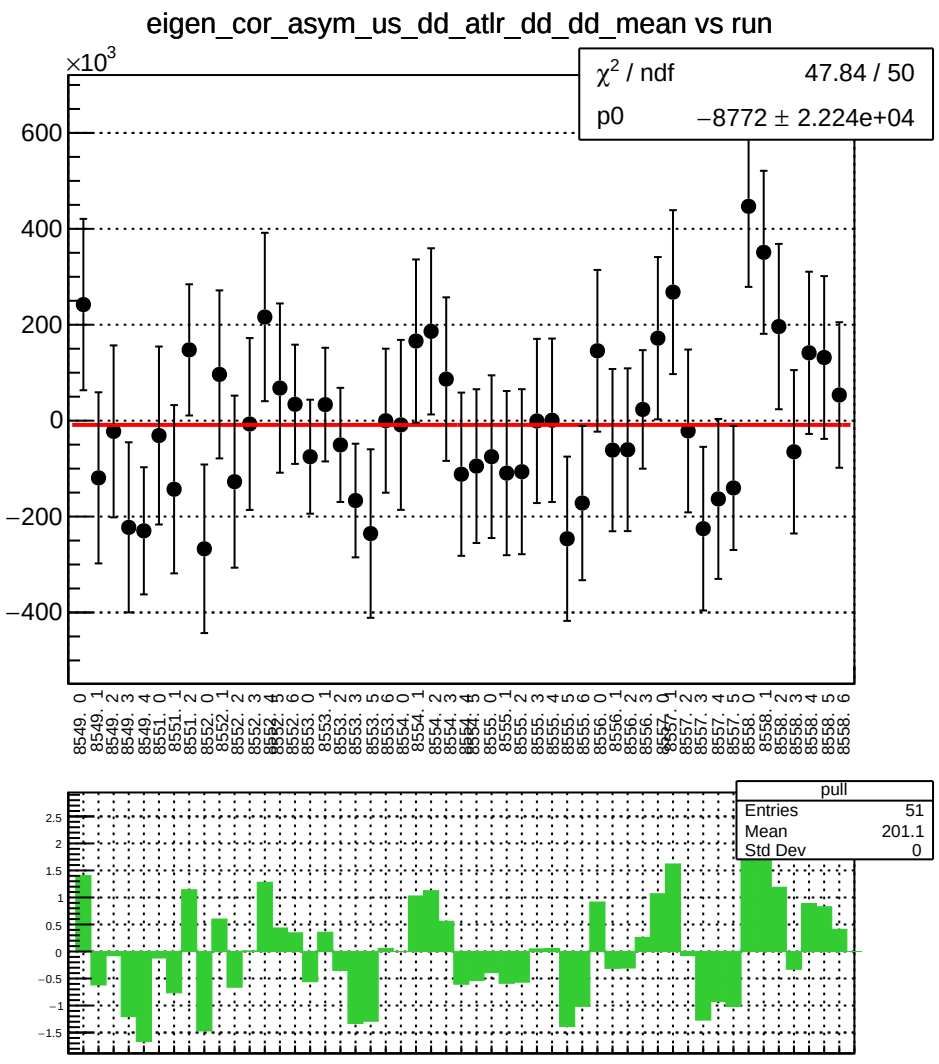

cor_asym_us_dd_atlr_dd_dd_mean vs run
×10^3
χ² / ndf 47.84 / 50
p0 −8772 ± 2.224e+04
600
400
200
0
−200
−400
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8551. 2
8552. 0
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 1
8553. 2
8553. 3
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 3
8554. 4
8554. 5
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8555. 6
8556. 0
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8557. 4
8557. 5
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6
pull
Entries 51
Mean 201.1
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 51
Mean 0.02015
Std Dev 0.9683
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

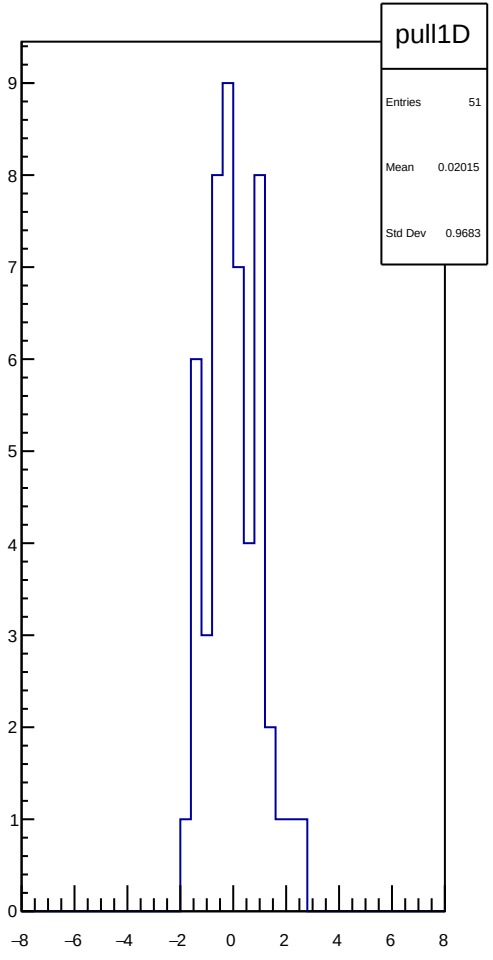

cor_asym_us_dd_atlr_dd_dd_rms vs run
×10^3
400
350
300
250
200
150
100
50
χ² / ndf 3.004e+04 / 51
p0 1.57e+04 ± 15.73
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 1
8553. 2
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 5
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

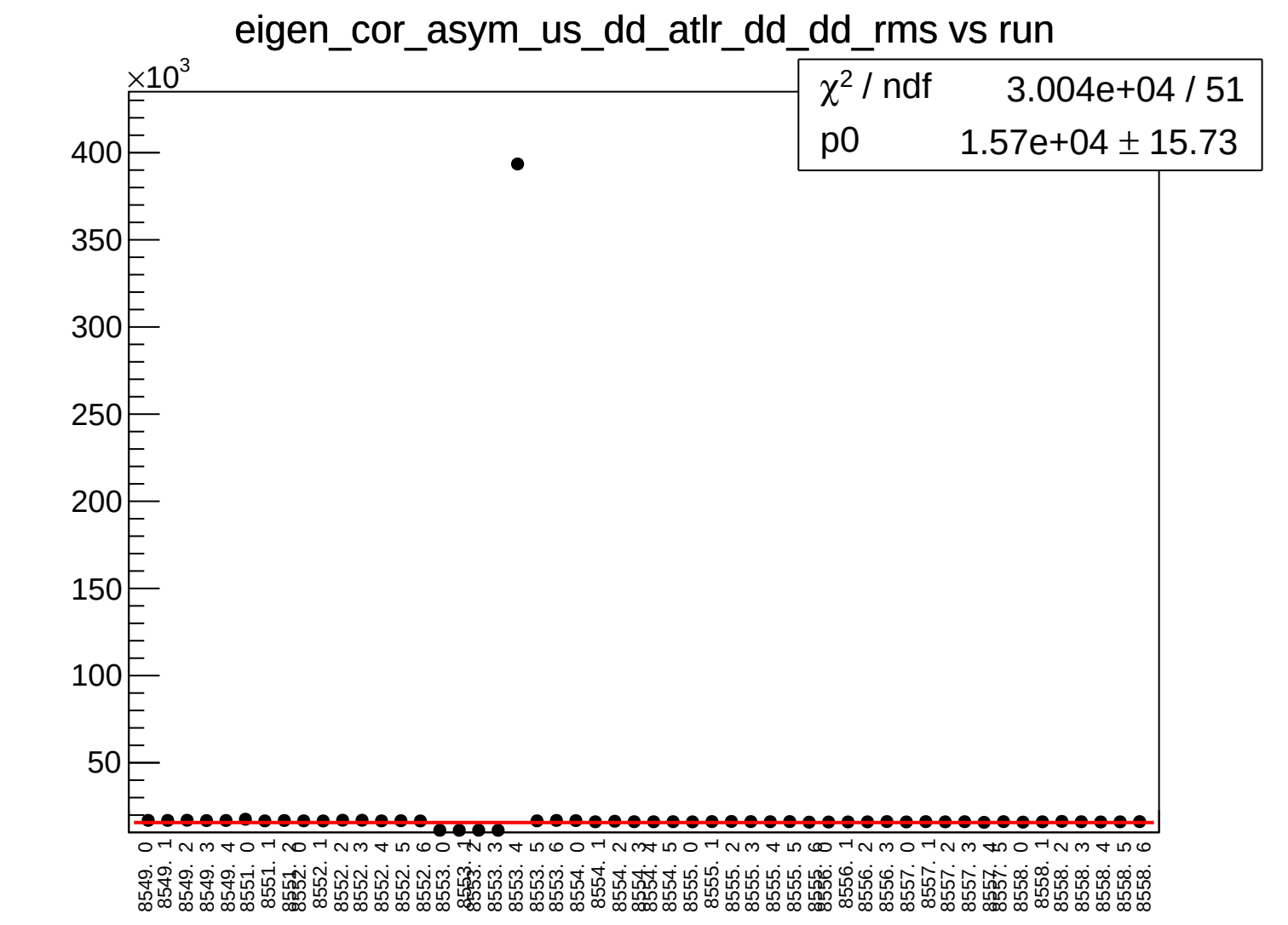

asym_us_dd_atlr_dd_dd_cor_correction_mean vs run
×10^3
χ² / ndf 73 / 51
p0 −4368 ± 1174
pull
Entries 52
Mean 6.991
Std Dev 0

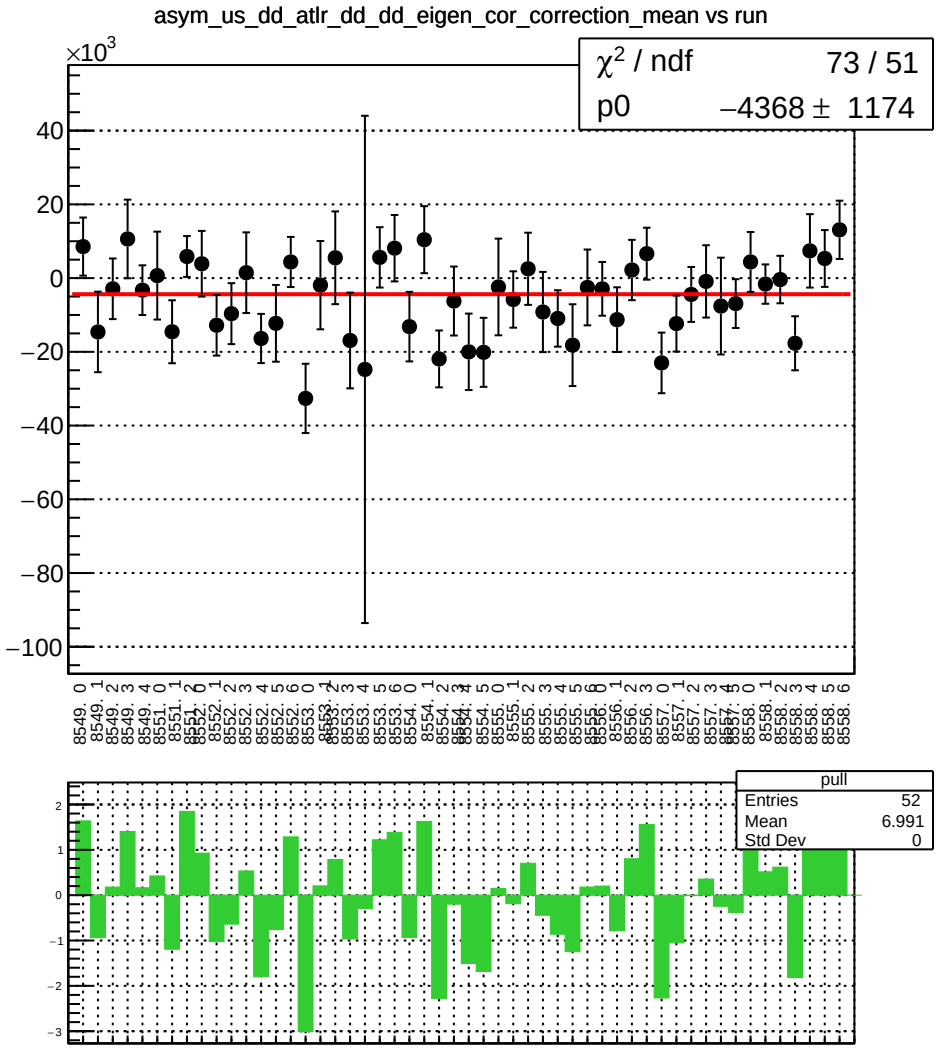

pull1D
Entries 52
Mean −0.03998
Std Dev 1.184

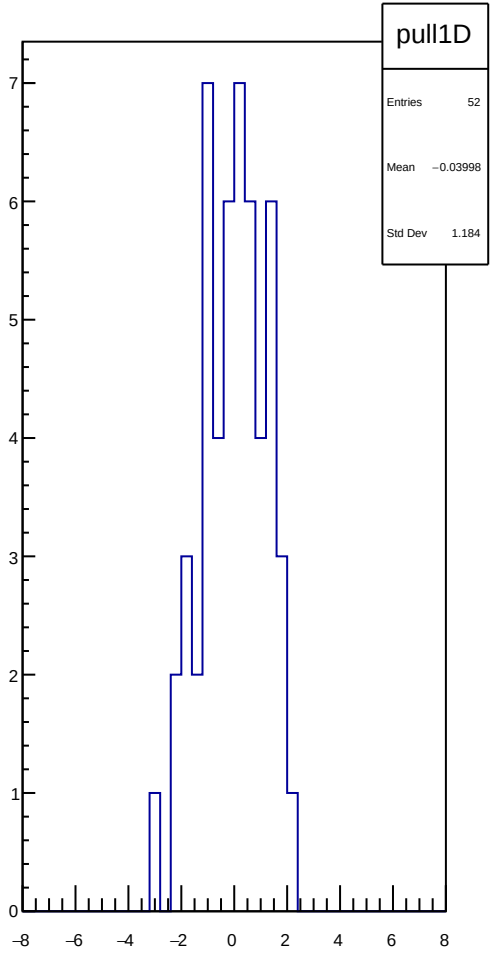

asym_us_dd_atlr_dd_dd_cor_correction_rms vs run
χ² / ndf 4.9e+04 / 51
p0 820.7 ± 0.83
7000
6000
5000
4000
3000
2000
1000
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

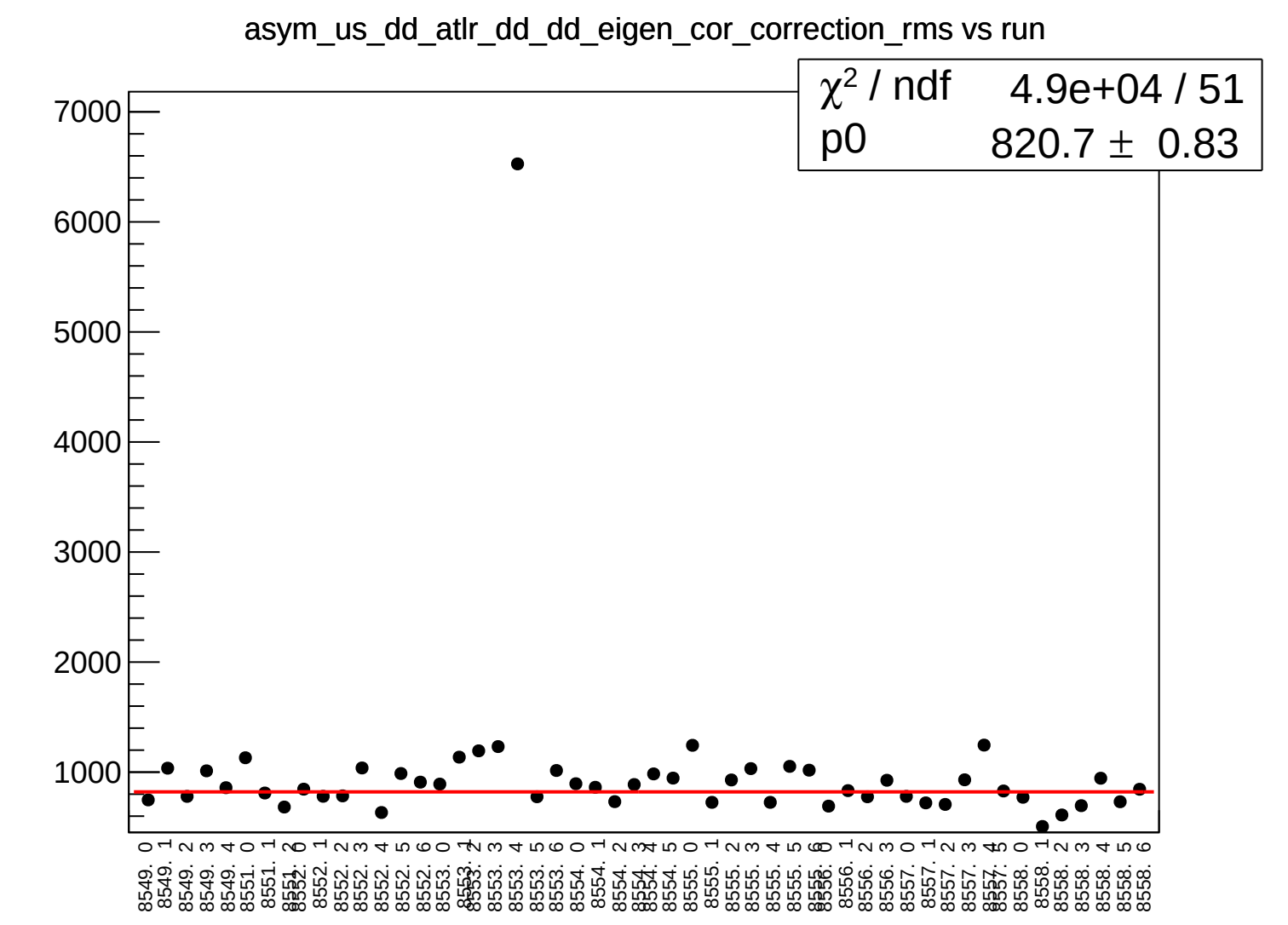

eigen_cor_asym_us_dd_atlr_dd_dd_mean vs run
×10^3
χ² / ndf 47.84 / 50
p0 −8772 ± 2.224e+04
600
400
200
0
−200
−400
pull
Entries 51
Mean 201.1
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5

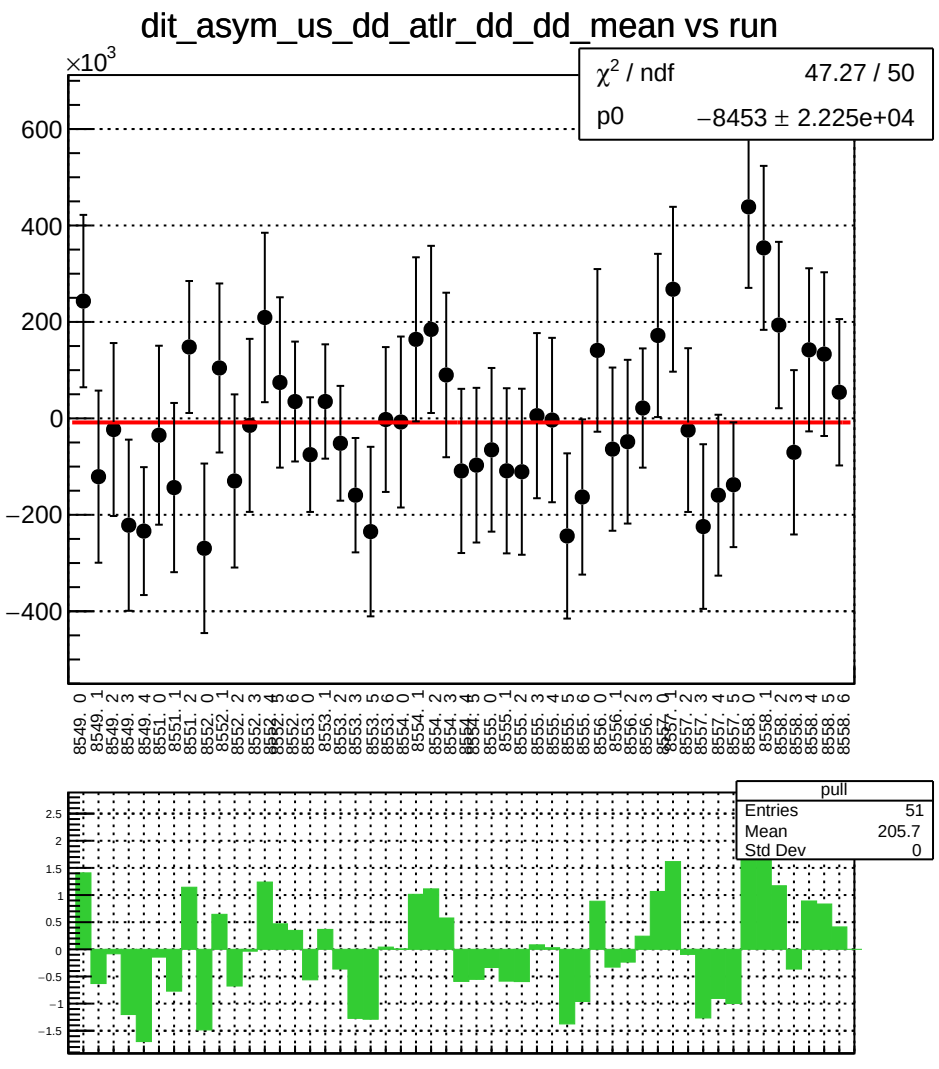

pull1D
Entries 51
Mean 0.02015
Std Dev 0.9683
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

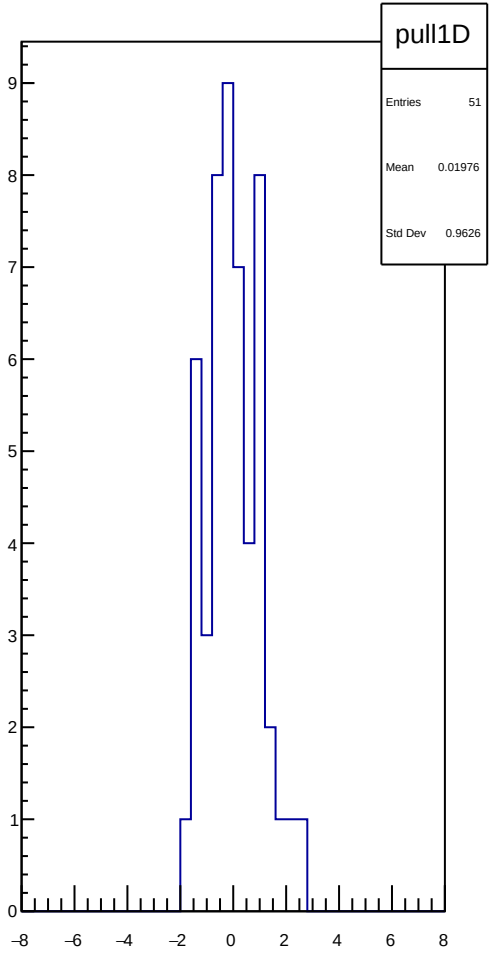

eigen_cor_asym_us_dd_atlr_dd_dd_rms vs run
×10^3
χ² / ndf 3.004e+04 / 51
p0 1.57e+04 ± 15.73
400
350
300
250
200
150
100
50
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 5
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

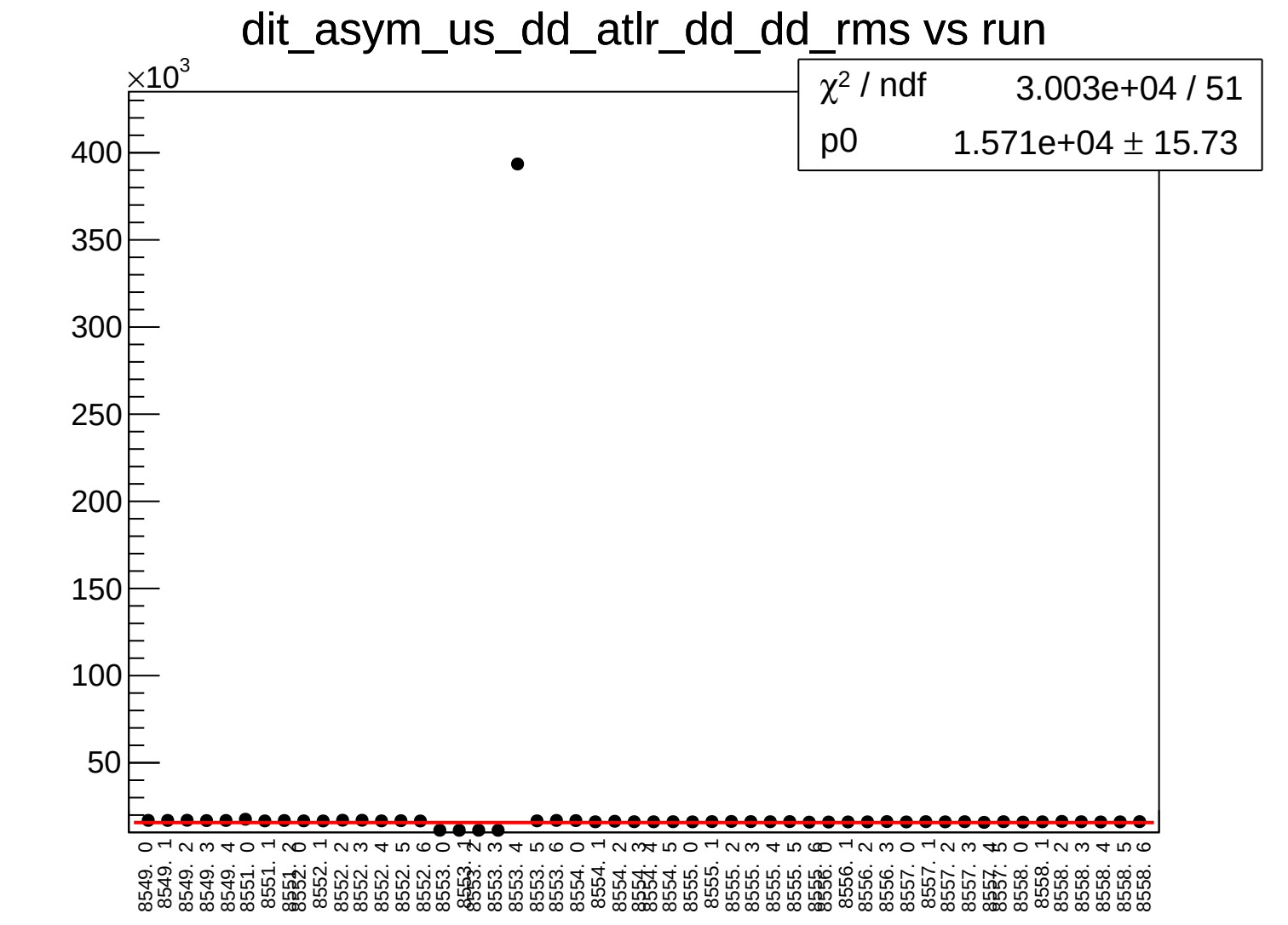

asym_us_dd_atlr_dd_dd_eigen_cor_correction_mean vs run
×10^3
χ² / ndf 73 / 51
p0 −4368 ± 1174
40
20
0
−20
−40
−60
−80
−100
pull
Entries 52
Mean 6.991
Std Dev 0
2
1
0
−1
−2
−3

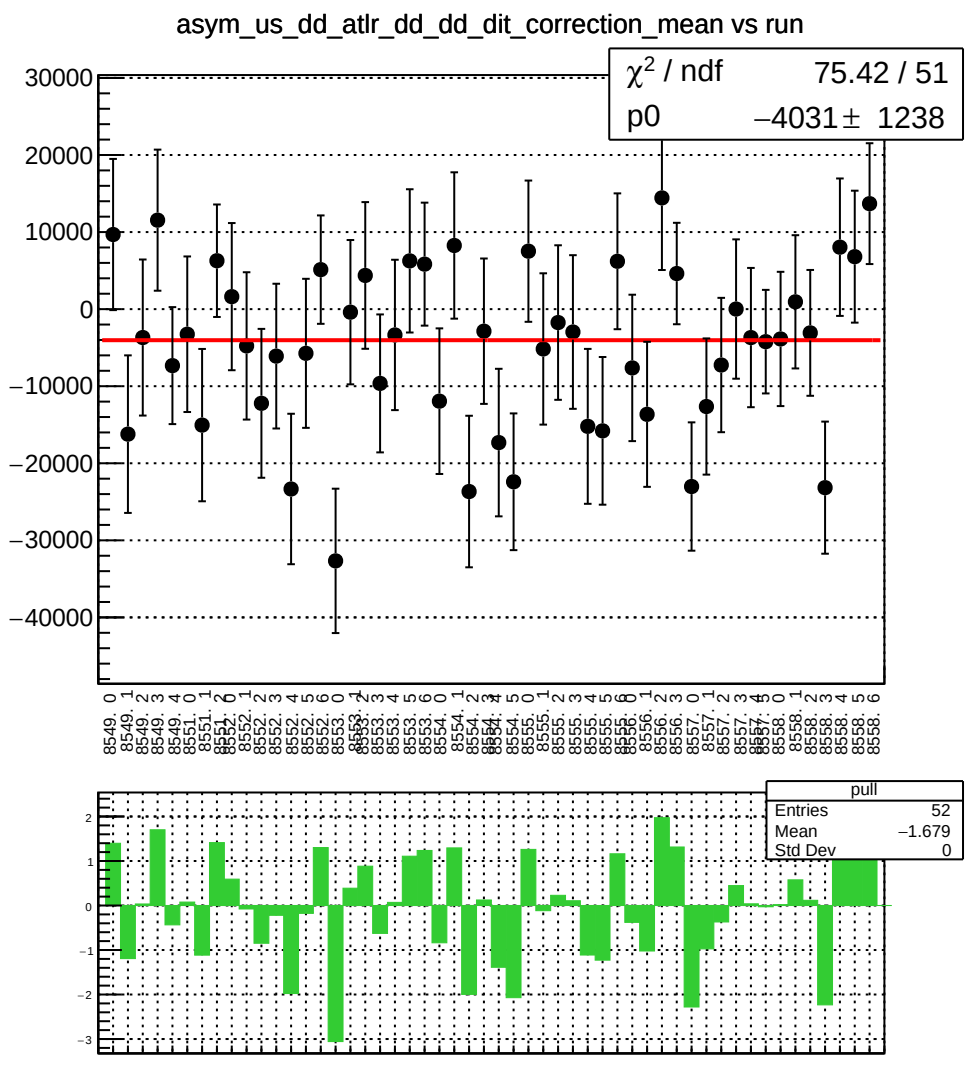

pull1D
Entries 52
Mean −0.03998
Std Dev 1.184
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

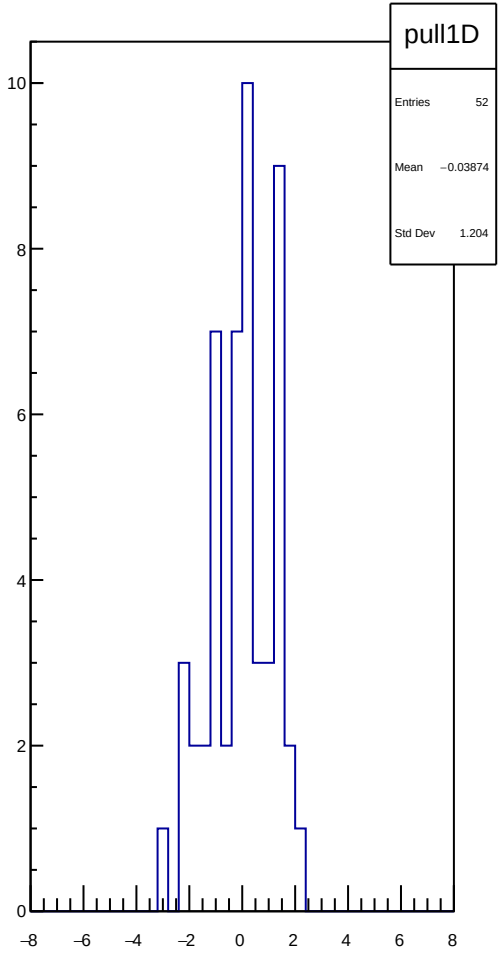

asym_us_dd_atlr_dd_dd_eigen_cor_correction_rms vs run
χ² / ndf 4.9e+04 / 51
p0 820.7 ± 0.83
7000
6000
5000
4000
3000
2000
1000
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

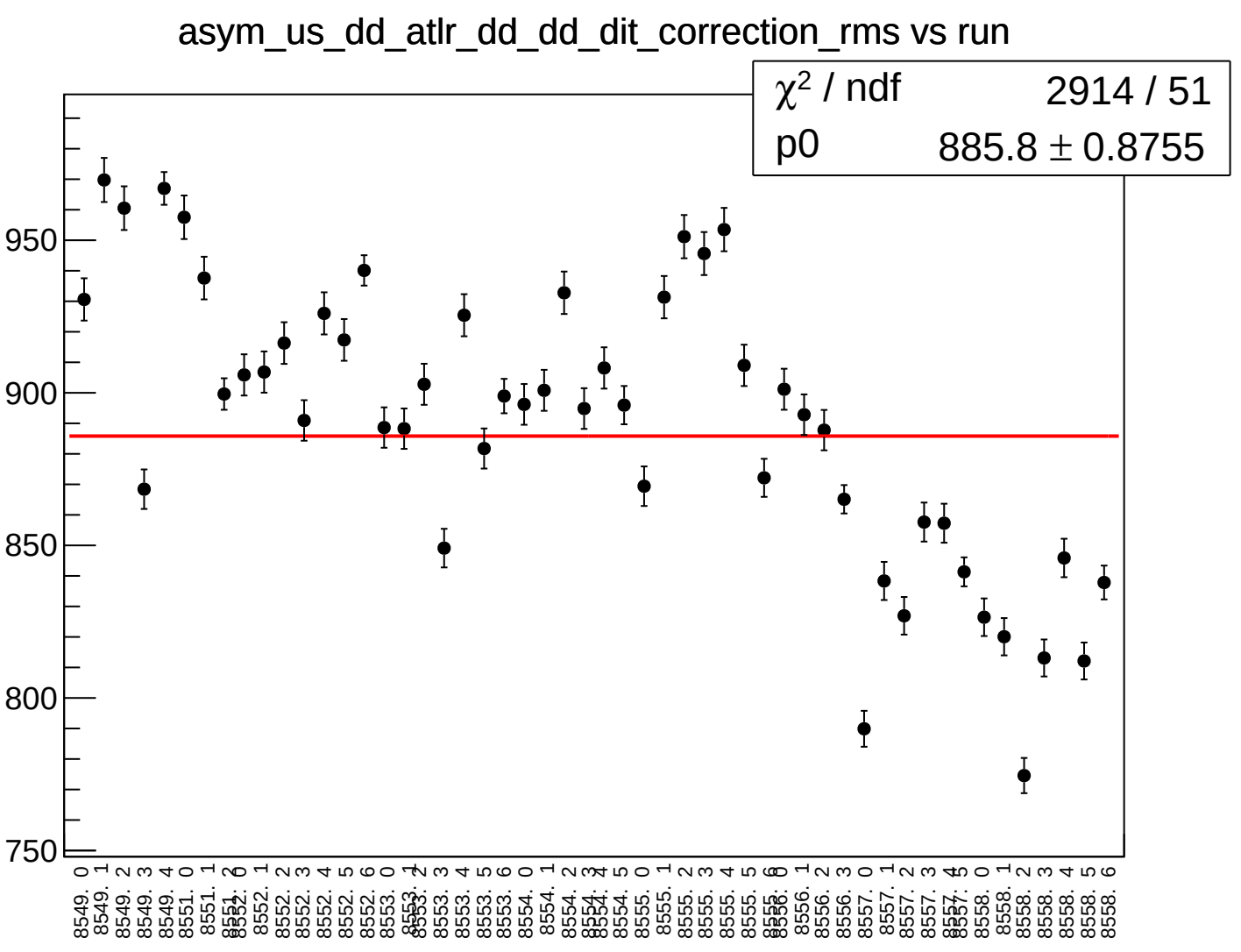

dit_asym_us_dd_atlr_dd_dd_mean vs run
×10^3
χ² / ndf 47.27 / 50
p0 −8453 ± 2.225e+04
600
400
200
0
−200
−400
pull
Entries 51
Mean 205.7
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5

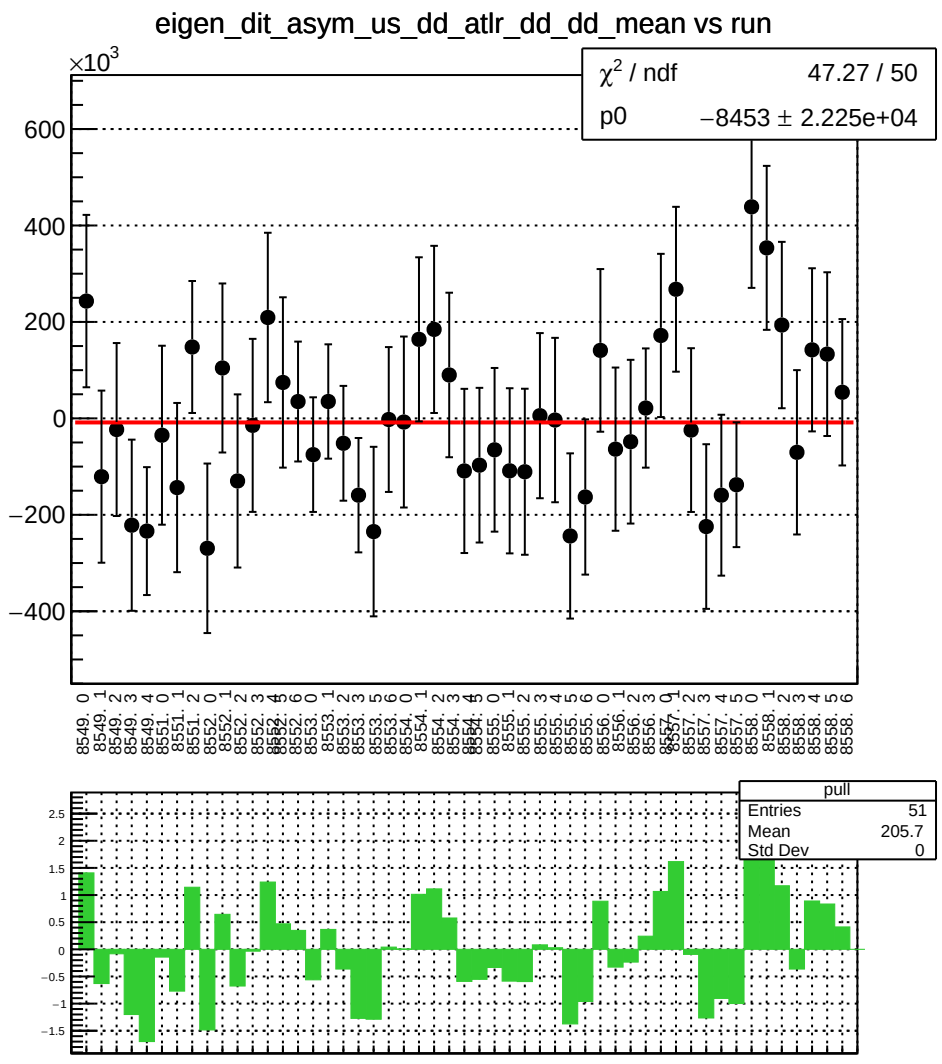

pull1D
Entries 51
Mean 0.01976
Std Dev 0.9626
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

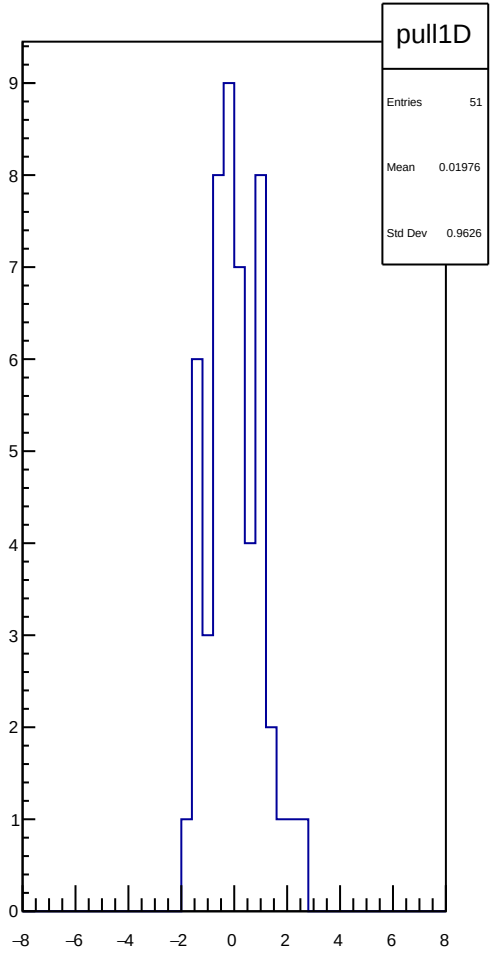

dit_asym_us_dd_atlr_dd_dd_rms vs run
×10^3
400
350
300
250
200
150
100
50
χ² / ndf 3.003e+04 / 51
p0 1.571e+04 ± 15.73
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 0
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 1
8553. 2
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 3
8554. 4
8554. 5
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

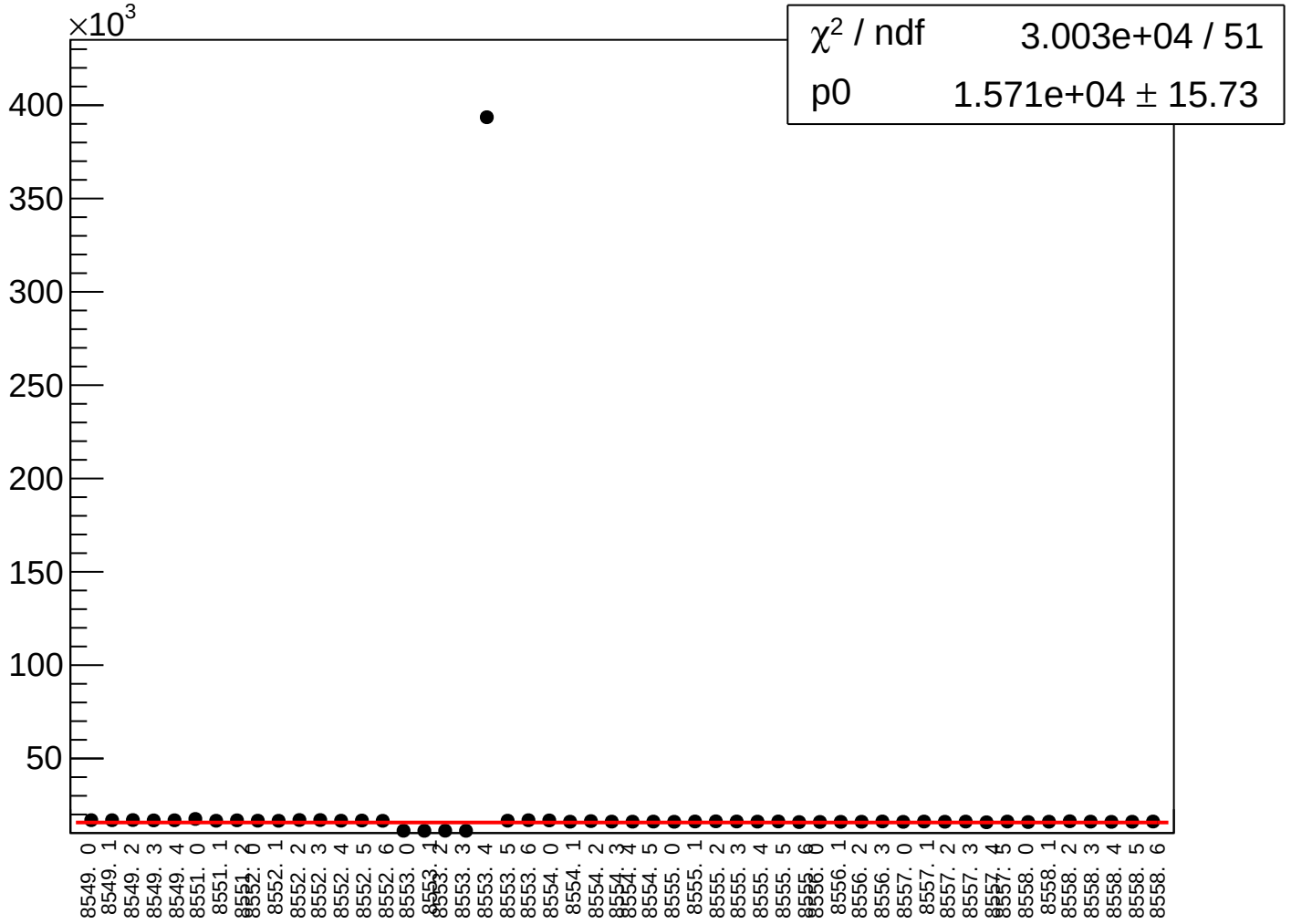

asym_us_dd_atlr_dd_dd_dit_correction_mean vs run
χ² / ndf 75.42 / 51
p0 −4031 ± 1238
pull
Entries 52
Mean −1.679
Std Dev 0

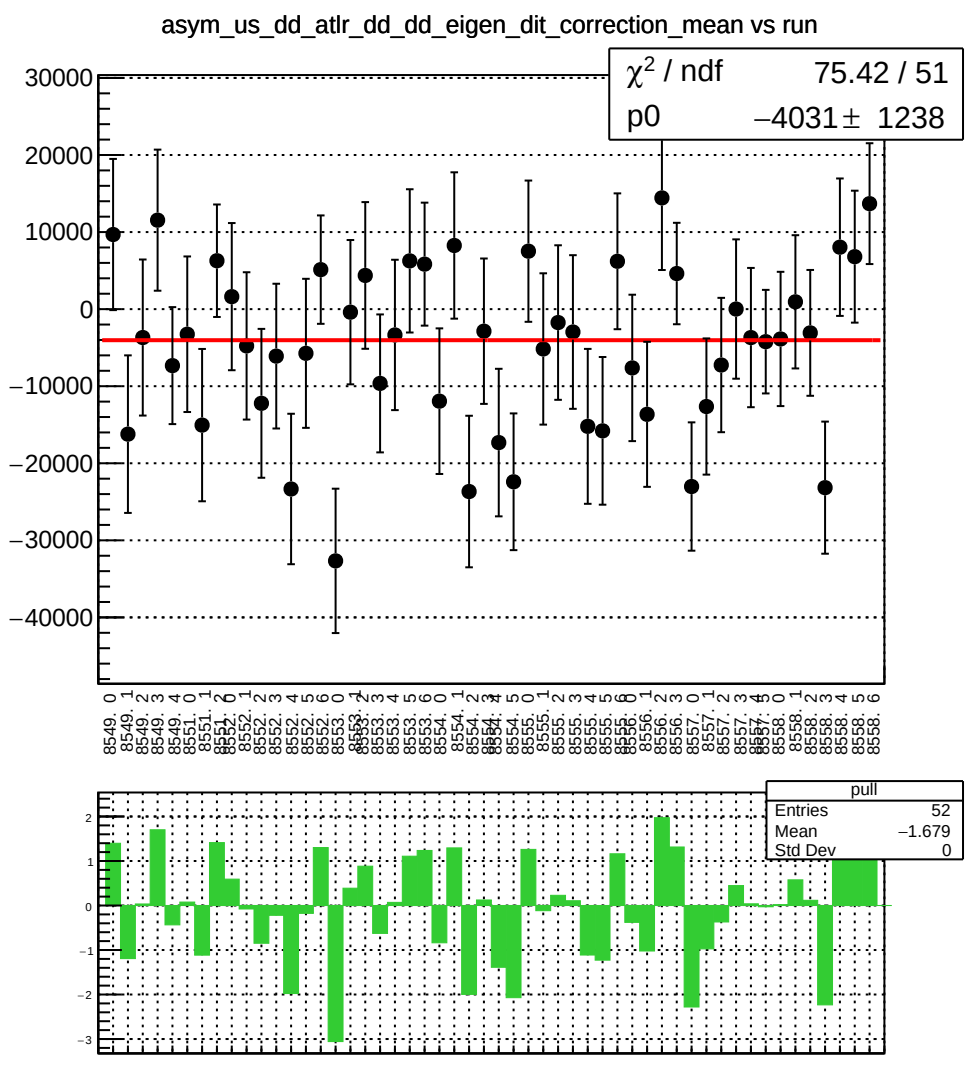

pull1D
Entries 52
Mean −0.03874
Std Dev 1.204

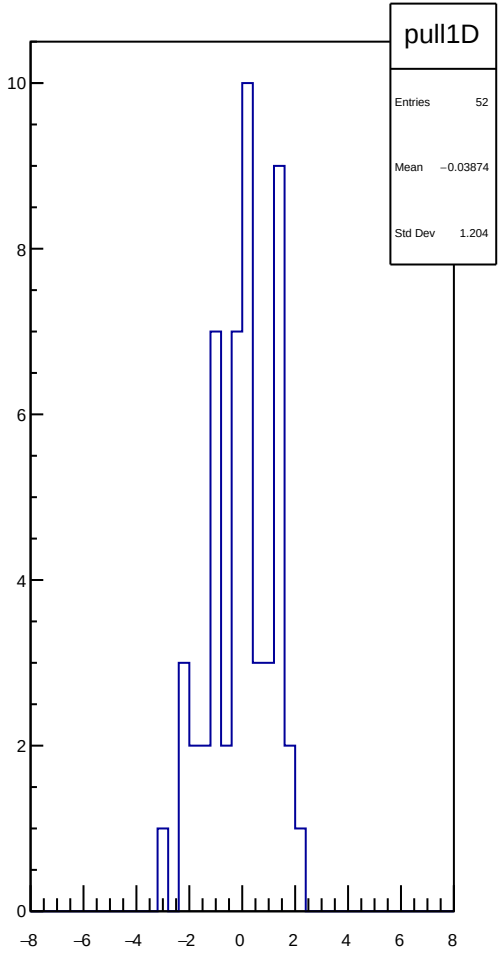

asym_us_dd_atlr_dd_dd_dit_correction_rms vs run
χ² / ndf 2914 / 51
p0 885.8 ± 0.8755
950
900
850
800
750
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

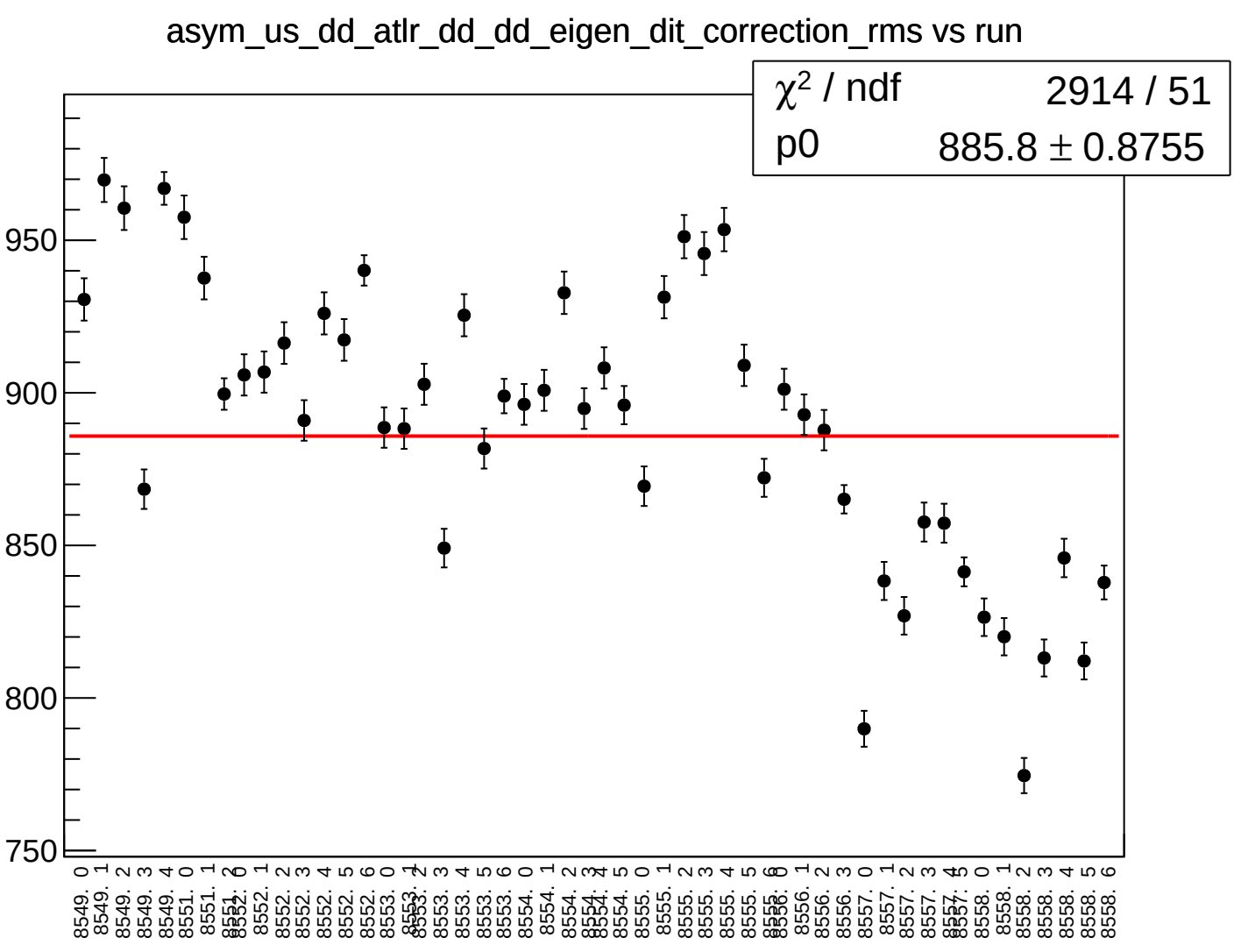

eigen_dit_asym_us_dd_atlr_dd_dd_mean vs run
×10^3
χ² / ndf 47.27 / 50
p0 −8453 ± 2.225e+04
600
400
200
0
−200
−400
pull
Entries 51
Mean 205.7
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5

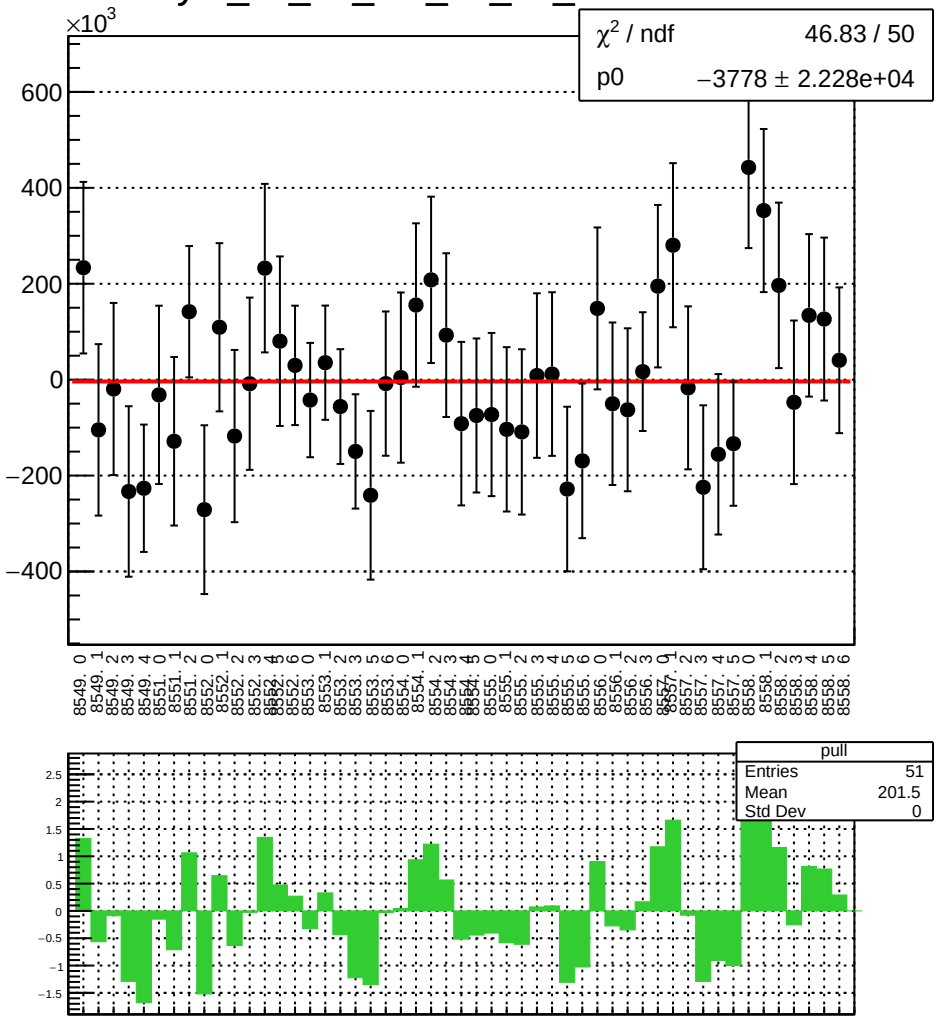

pull1D
Entries 51
Mean 0.01976
Std Dev 0.9626
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

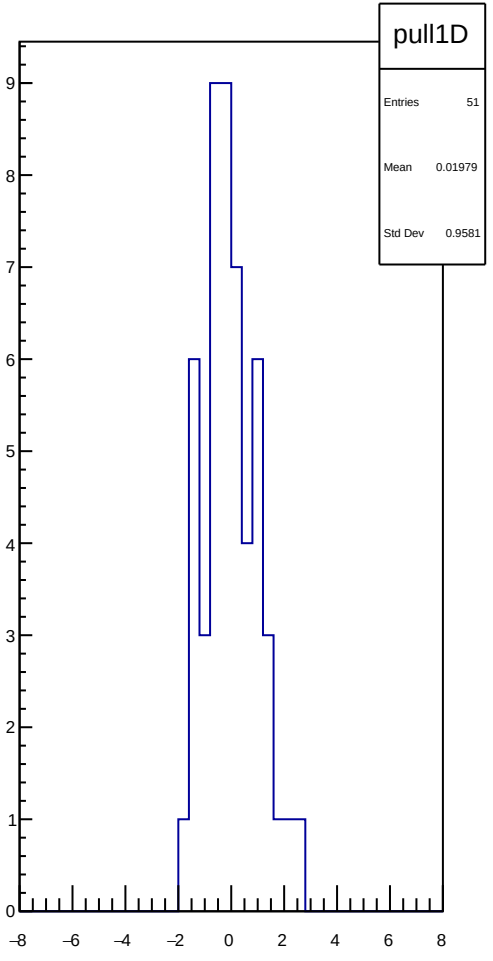

eigen_dit_asym_us_dd_atlr_dd_dd_rms vs run
×10^3
χ² / ndf 3.003e+04 / 51
p0 1.571e+04 ± 15.73
400
350
300
250
200
150
100
50
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 0
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 1
8553. 2
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 3
8554. 4
8554. 5
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

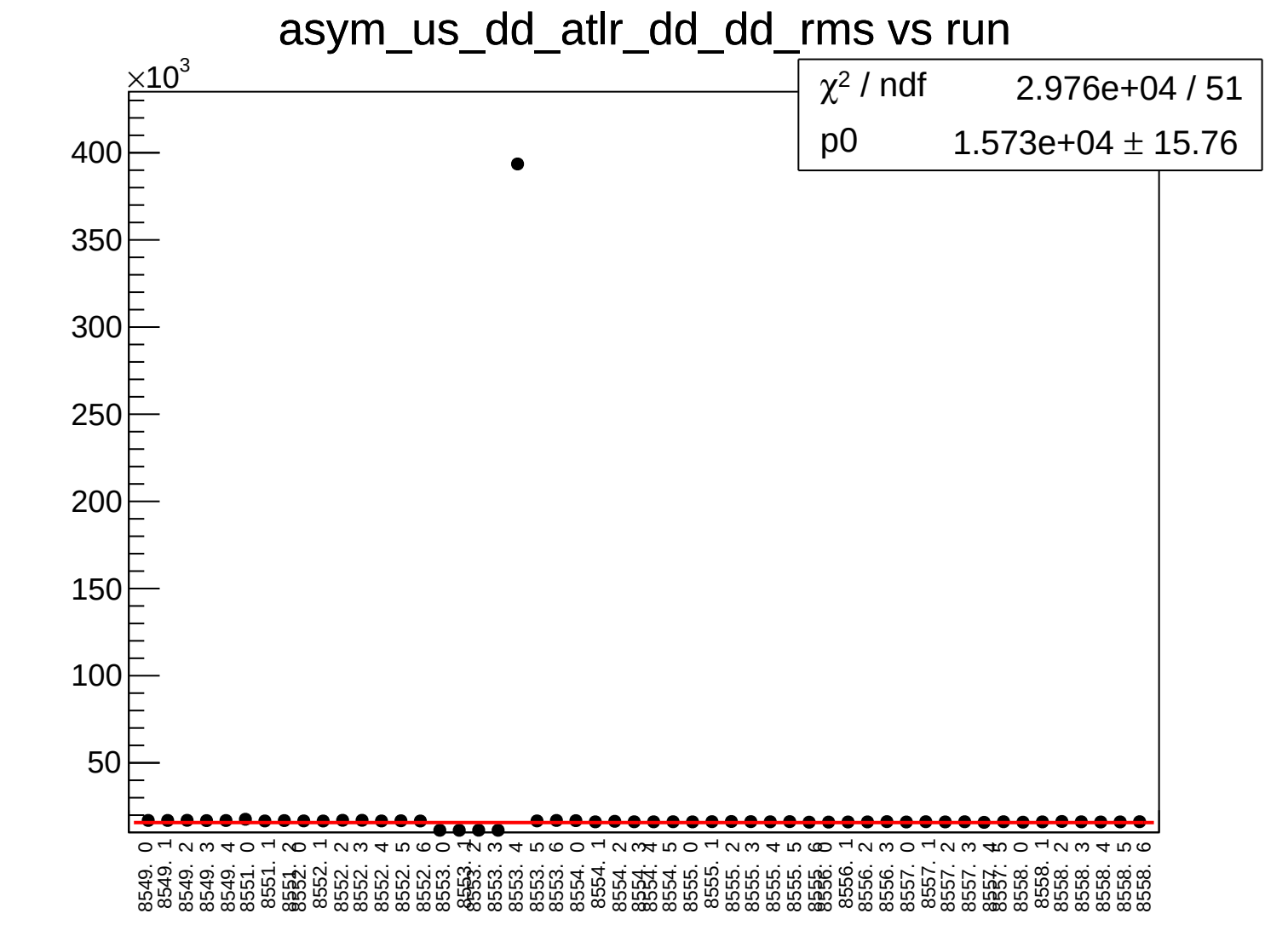

asym_us_dd_atlr_dd_dd_eigen_dit_correction_mean vs run
χ² / ndf 75.42 / 51
p0 −4031 ± 1238
pull
Entries 52
Mean −1.679
Std Dev 0

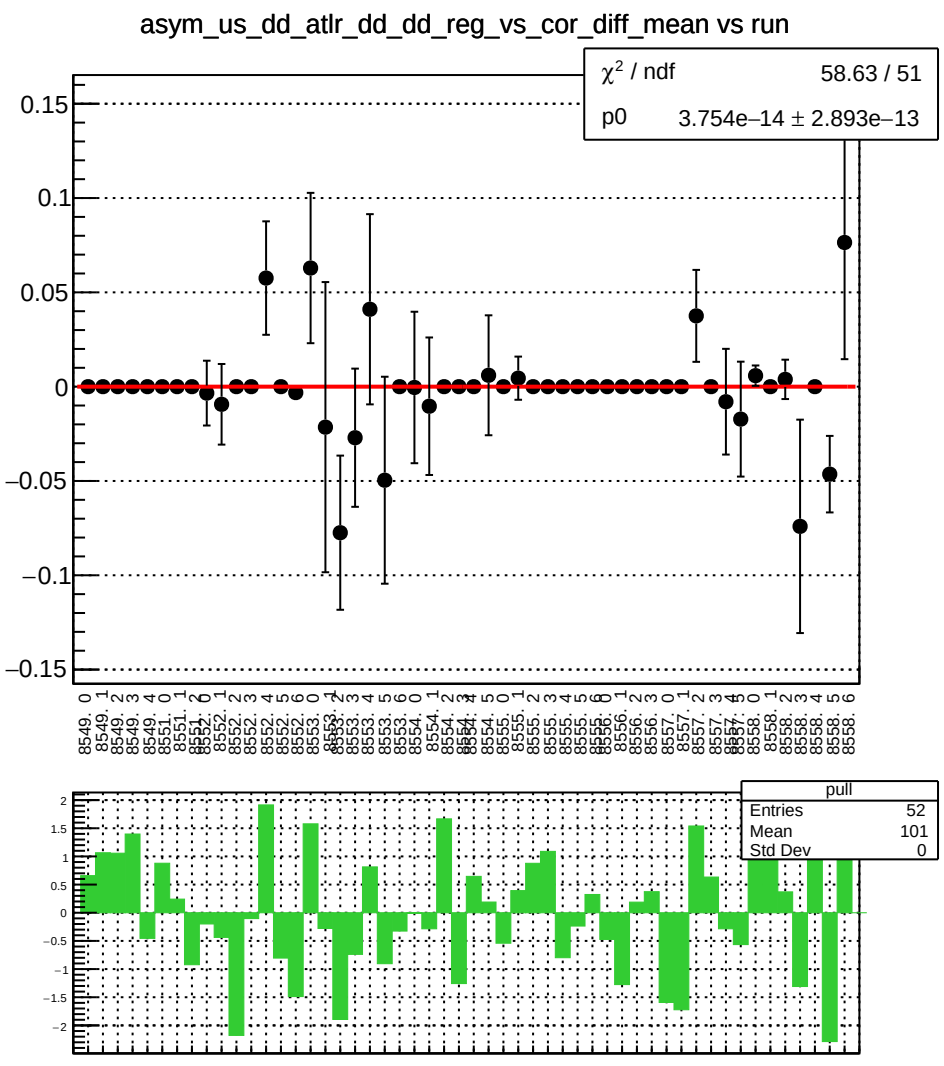

pull1D
Entries 52
Mean −0.03874
Std Dev 1.204

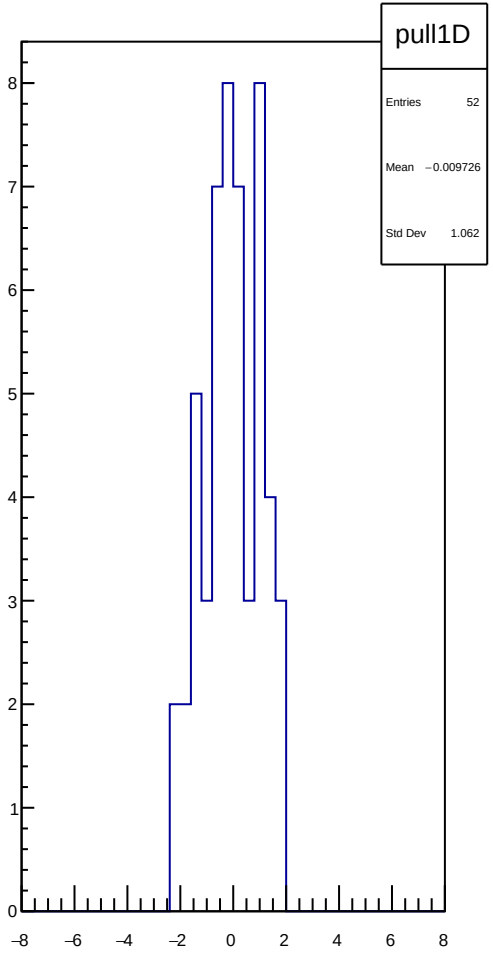

asym_us_dd_atlr_dd_dd_eigen_dit_correction_rms vs run
χ² / ndf 2914 / 51
p0 885.8 ± 0.8755
950
900
850
800
750
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

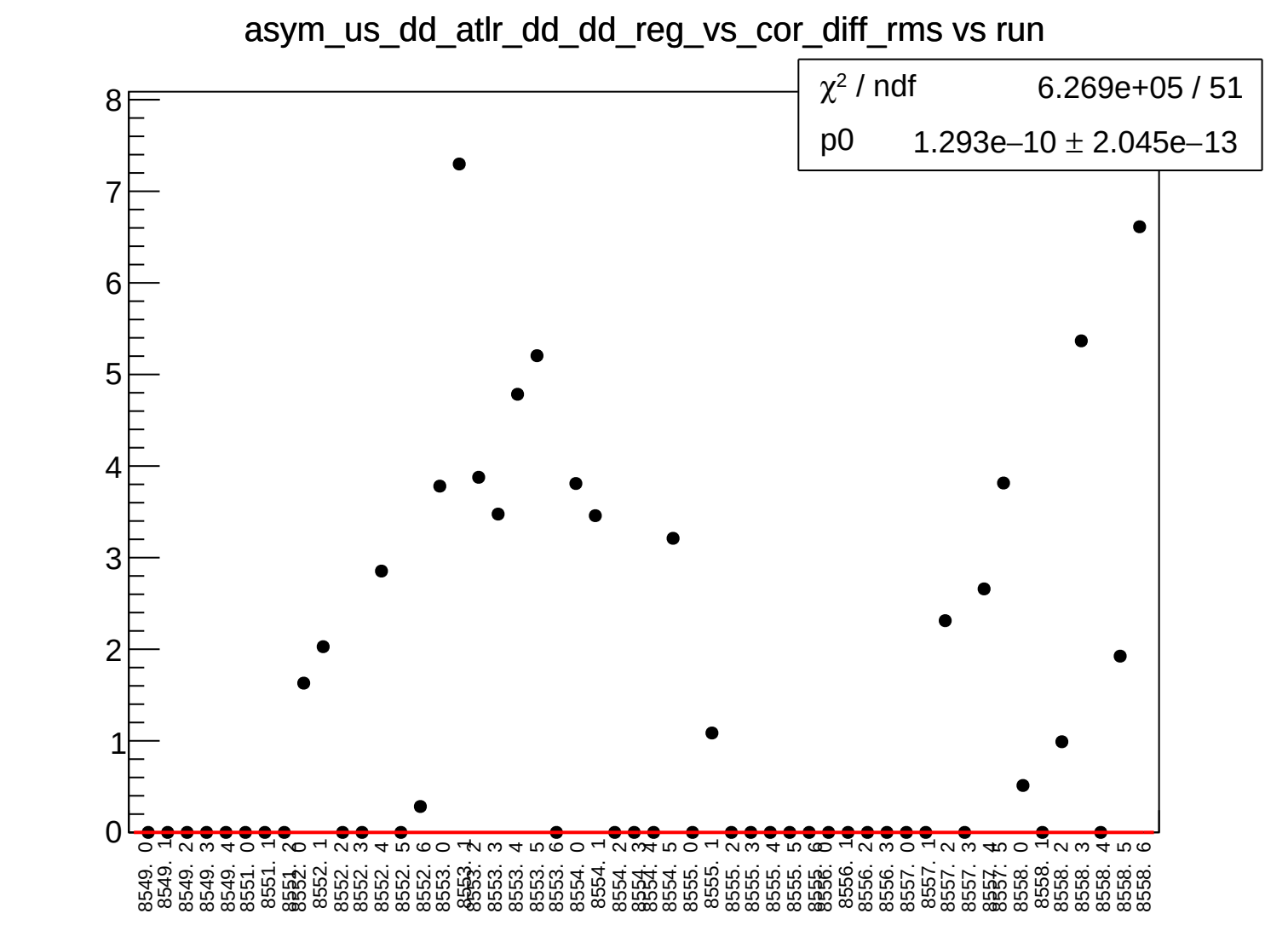

asym_us_dd_atlr_dd_dd_mean vs run
×10^3
χ² / ndf 46.83 / 50
p0 −3778 ± 2.228e+04
600
400
200
0
−200
−400
pull
Entries 51
Mean 201.5
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5


pull1D
Entries 51
Mean 0.01979
Std Dev 0.9581
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
×10^3
χ² / ndf 2.976e+04 / 51
p0 1.573e+04 ± 15.76
400
350
300
250
200
150
100
50
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 5
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6


asym_us_dd_atlr_dd_dd_reg_vs_cor_diff_mean vs run
χ² / ndf 58.63 / 51
p0 3.754e−14 ± 2.893e−13
pull
Entries 52
Mean 101
Std Dev 0


pull1D
Entries 52
Mean −0.009726
Std Dev 1.062


asym_us_dd_atlr_dd_dd_reg_vs_cor_diff_rms vs run
χ² / ndf 6.269e+05 / 51
p0 1.293e−10 ± 2.045e−13
0
1
2
3
4
5
6
7
8
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 0
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 1
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8553. 6
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8554. 5
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8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 0
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
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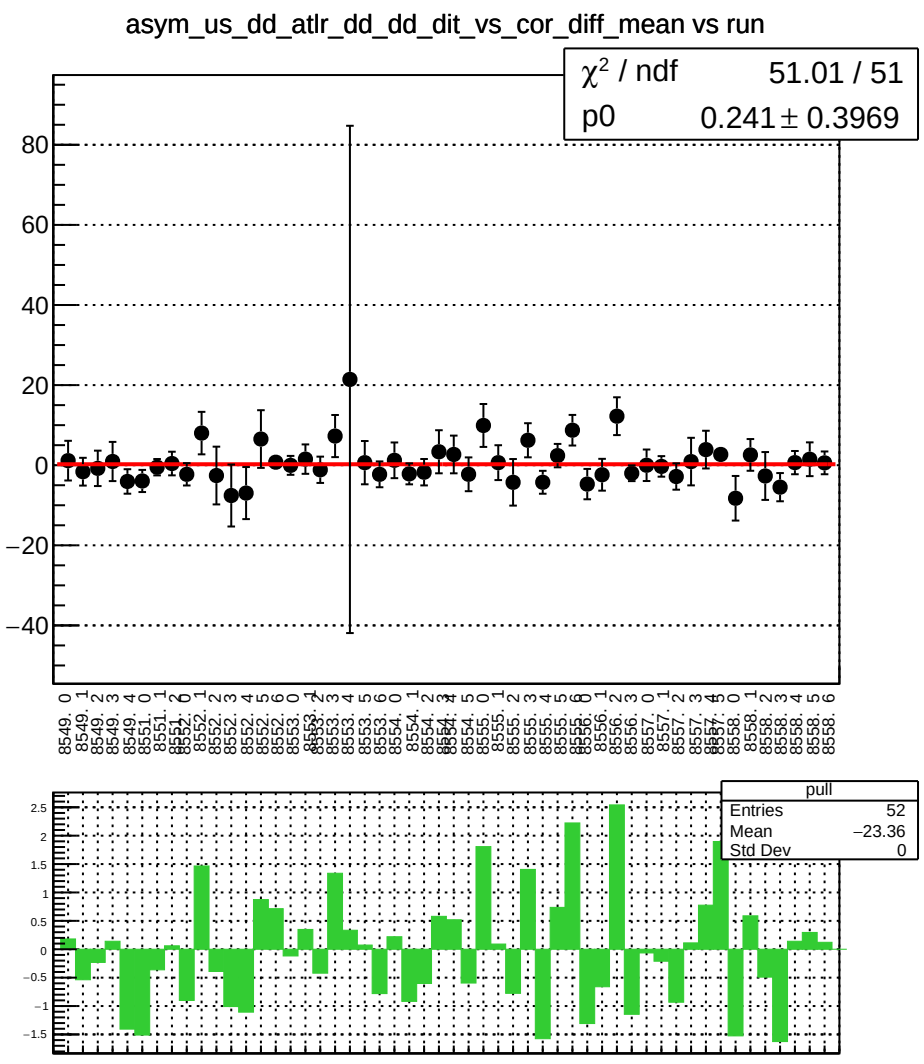
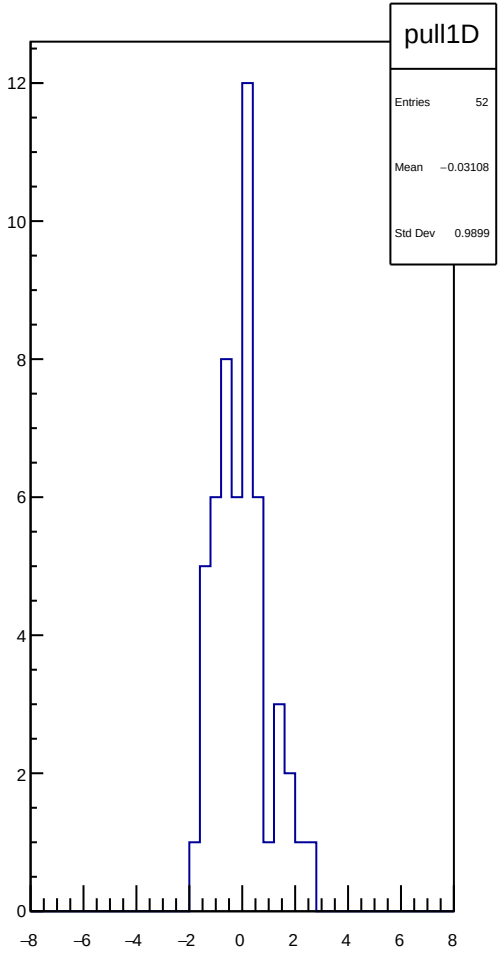
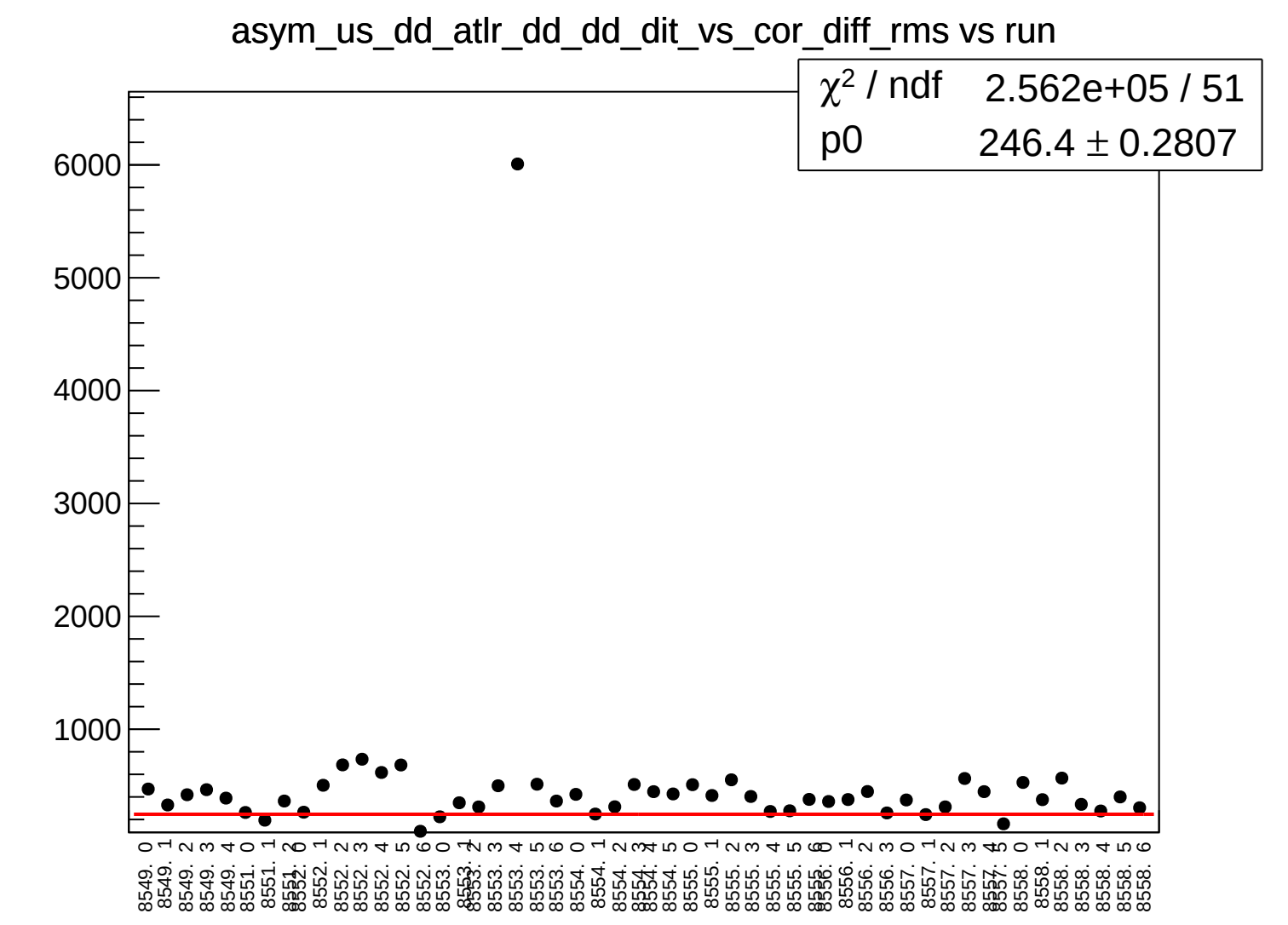
8558. 5
8558. 6


asym_us_dd_atlr_dd_dd_dit_vs_cor_diff_mean vs run
χ² / ndf 51.01 / 51
p0 0.241 ± 0.3969
pull
Entries 52
Mean −23.36
Std Dev 0


pull1D
Entries 52
Mean −0.03108
Std Dev 0.9899


asym_us_dd_atlr_dd_dd_dit_vs_cor_diff_rms vs run
χ² / ndf 2.562e+05 / 51
p0 246.4 ± 0.2807
6000
5000
4000
3000
2000
1000
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
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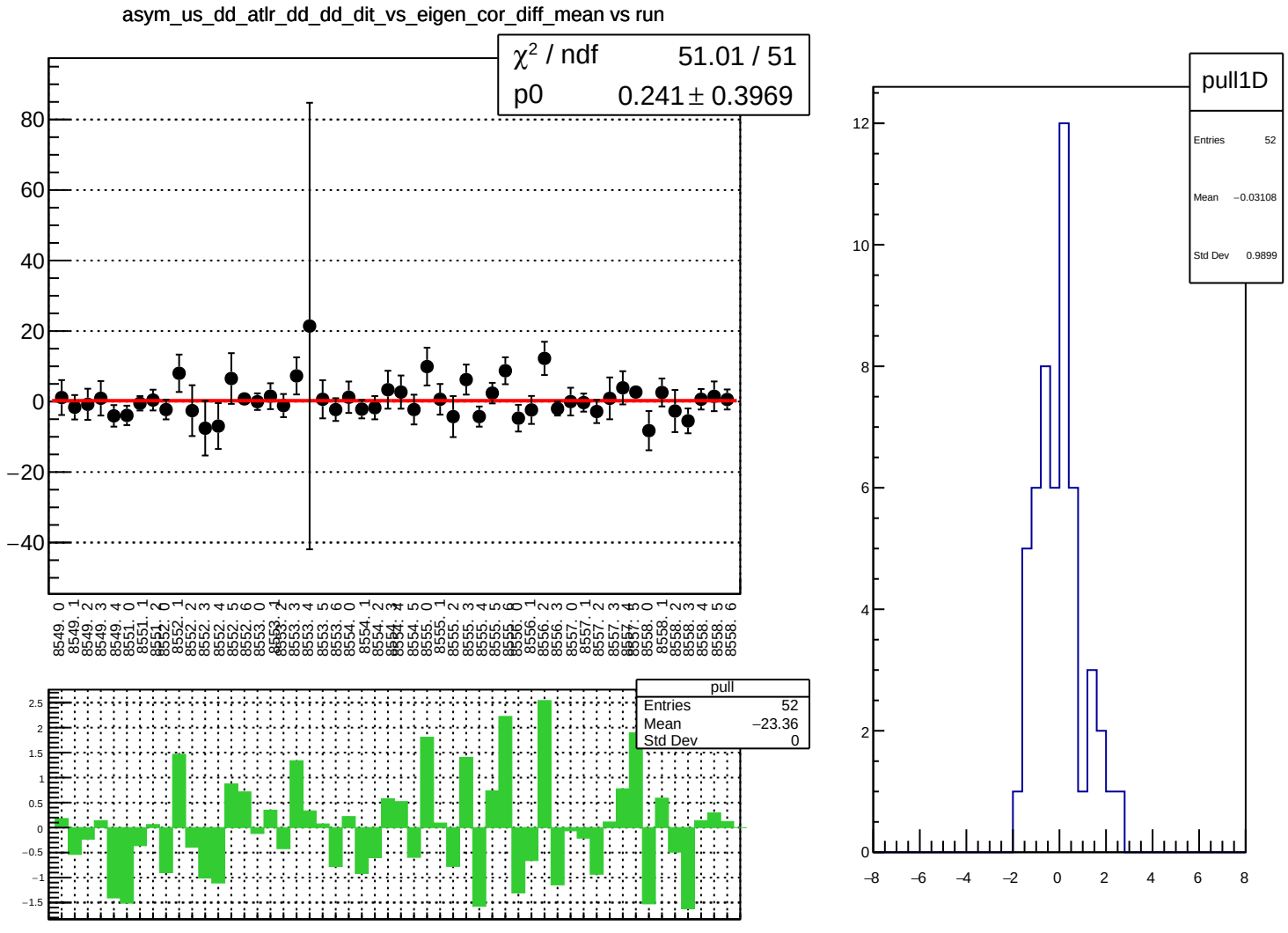
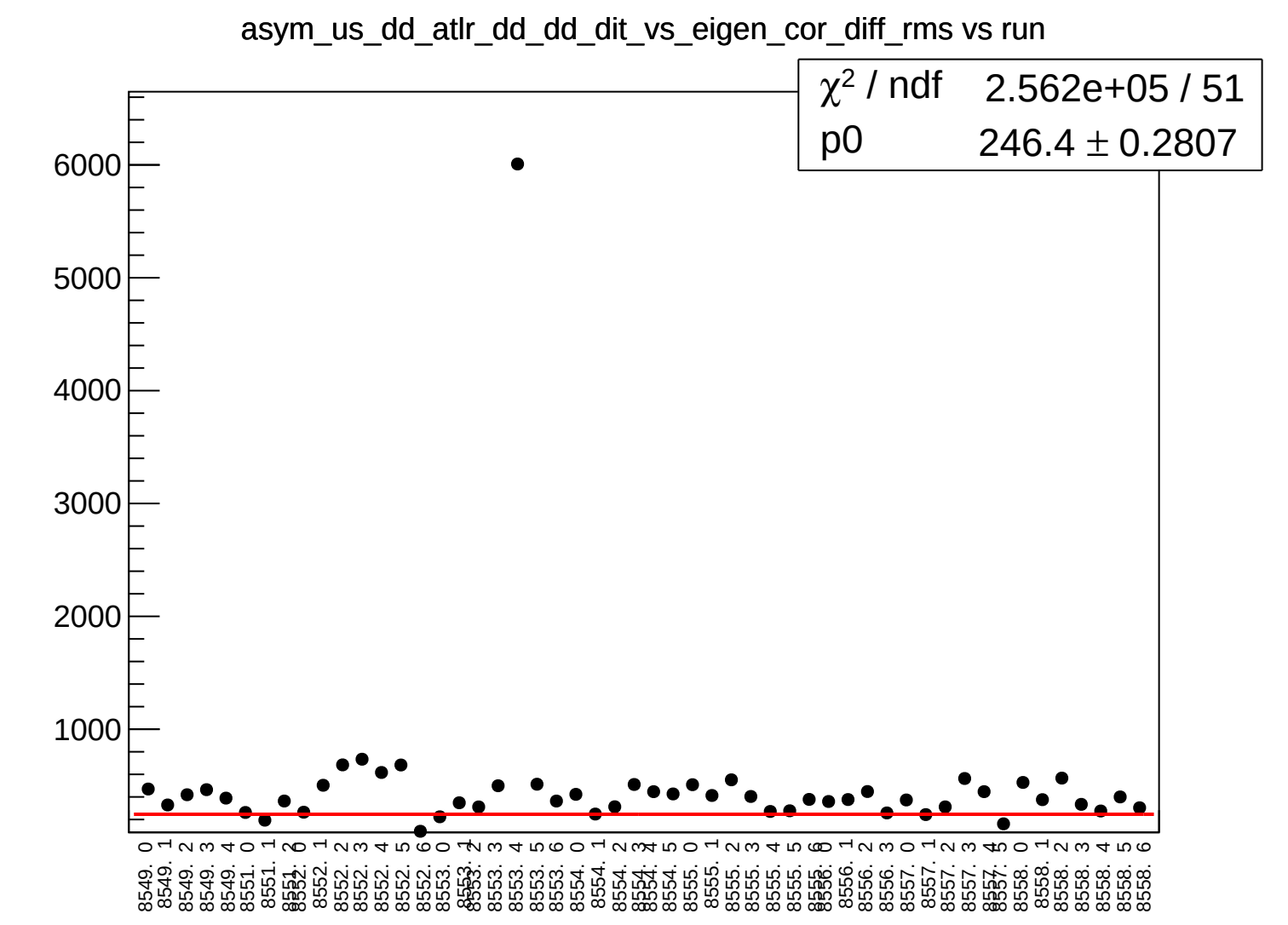
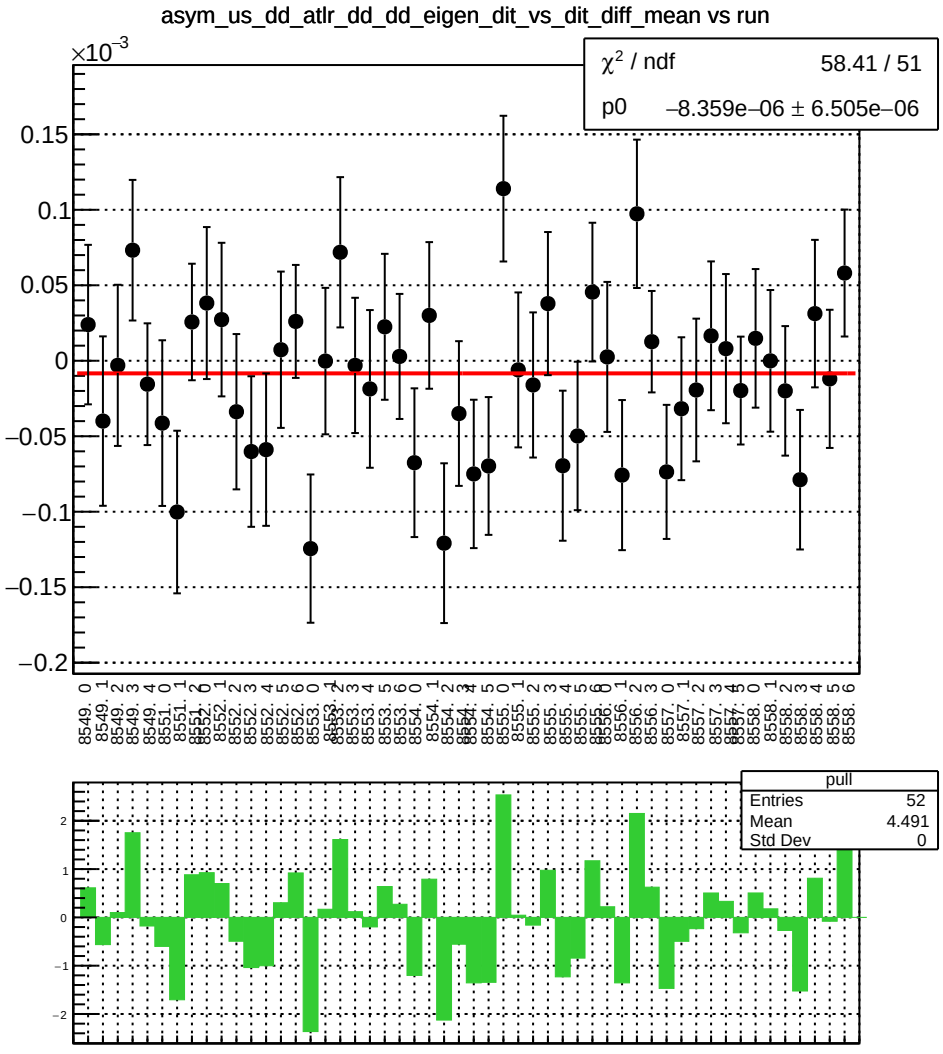
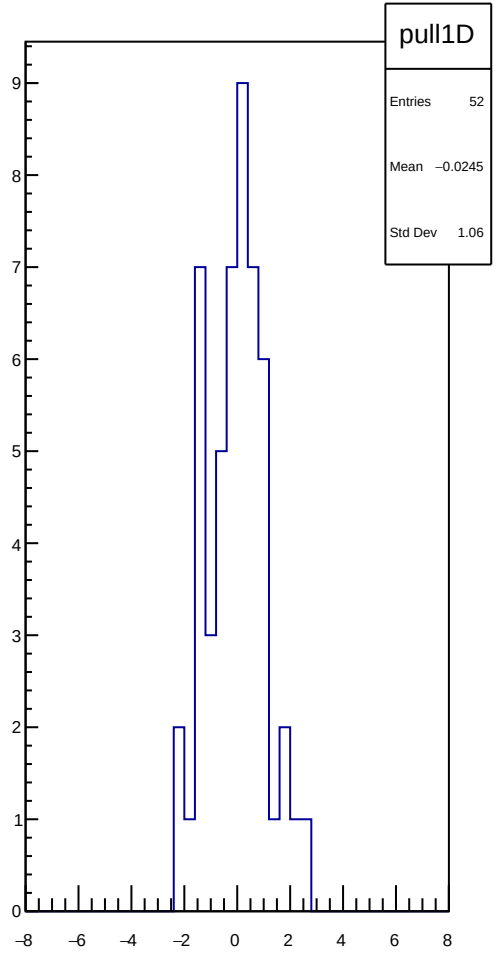
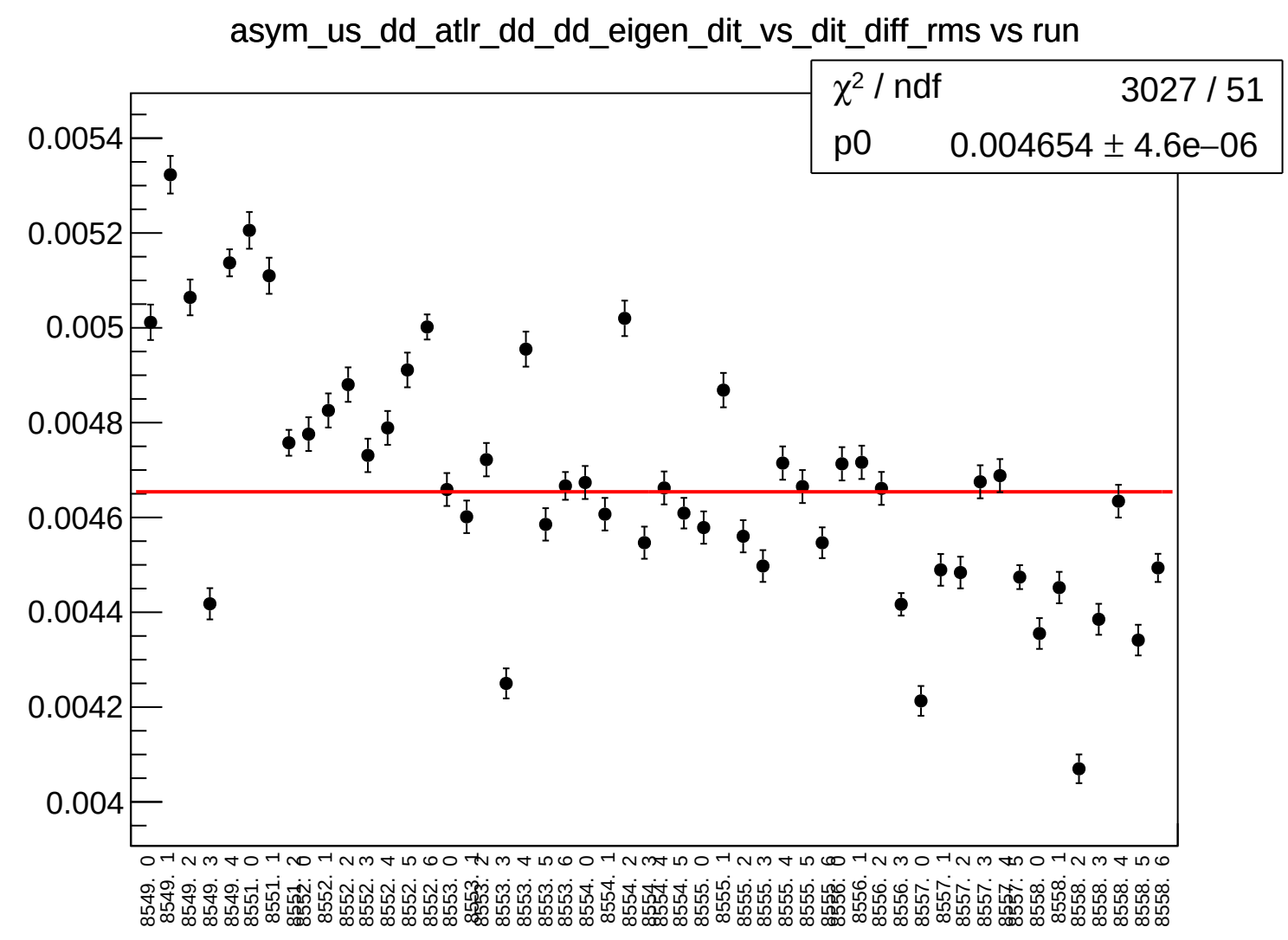
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

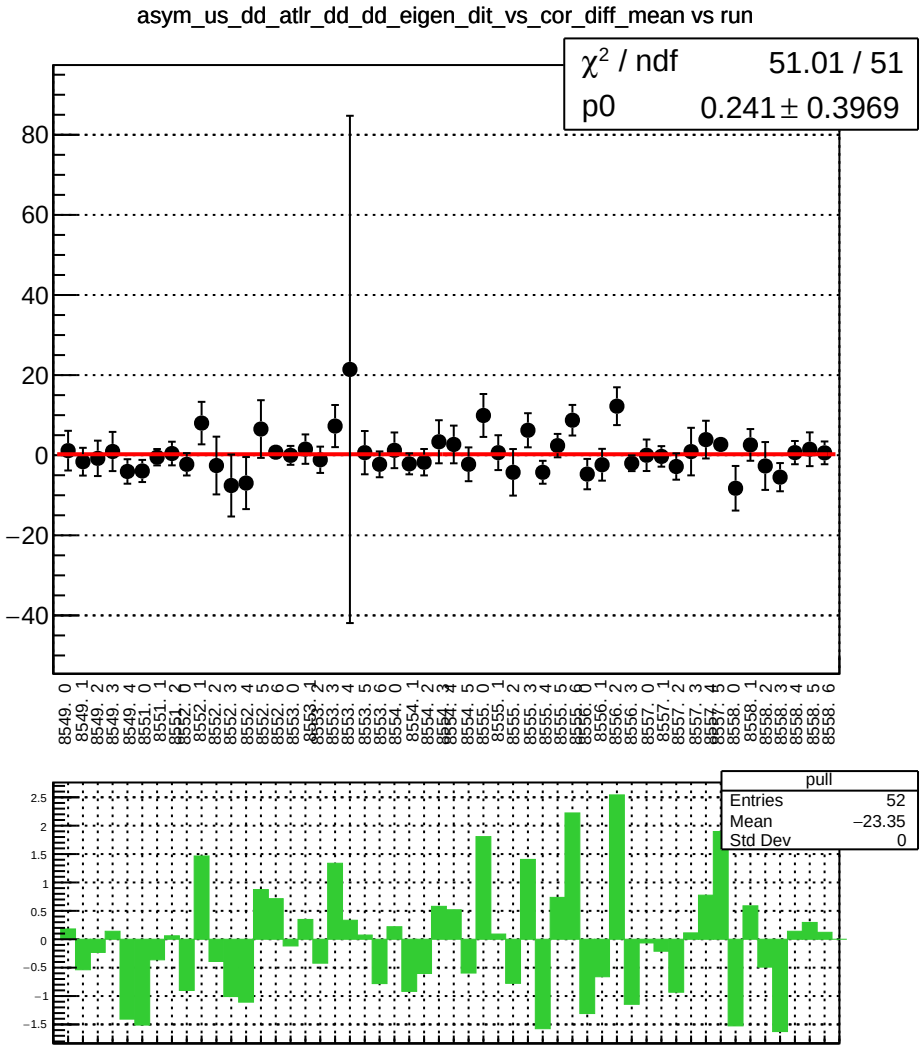

asym_us_dd_atlr_dd_dd_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 51.01 / 51
p0 0.241 ± 0.3969
pull
Entries 52
Mean −23.36
Std Dev 0
pull1D
Entries 52
Mean −0.03108
Std Dev 0.9899

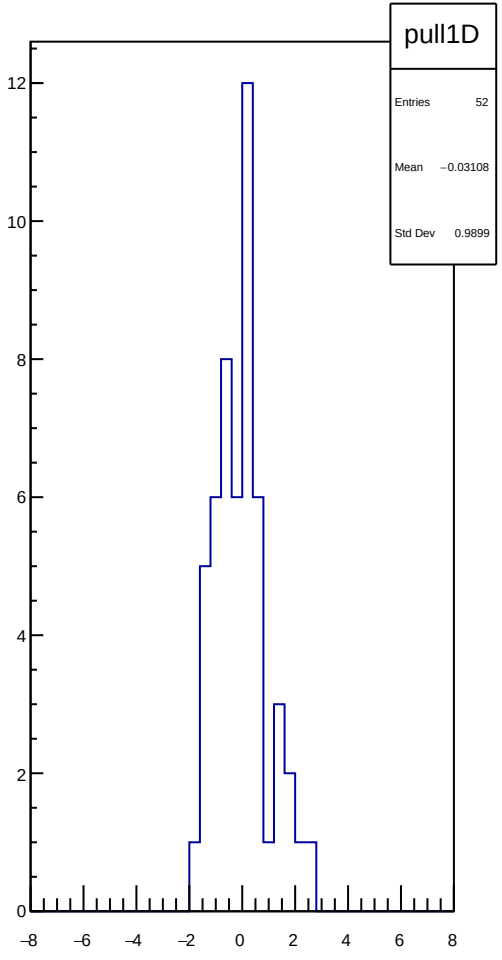

asym_us_dd_atlr_dd_dd_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 2.562e+05 / 51
p0 246.4 ± 0.2807
6000
5000
4000
3000
2000
1000
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 0
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 1
8553. 2
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 5
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

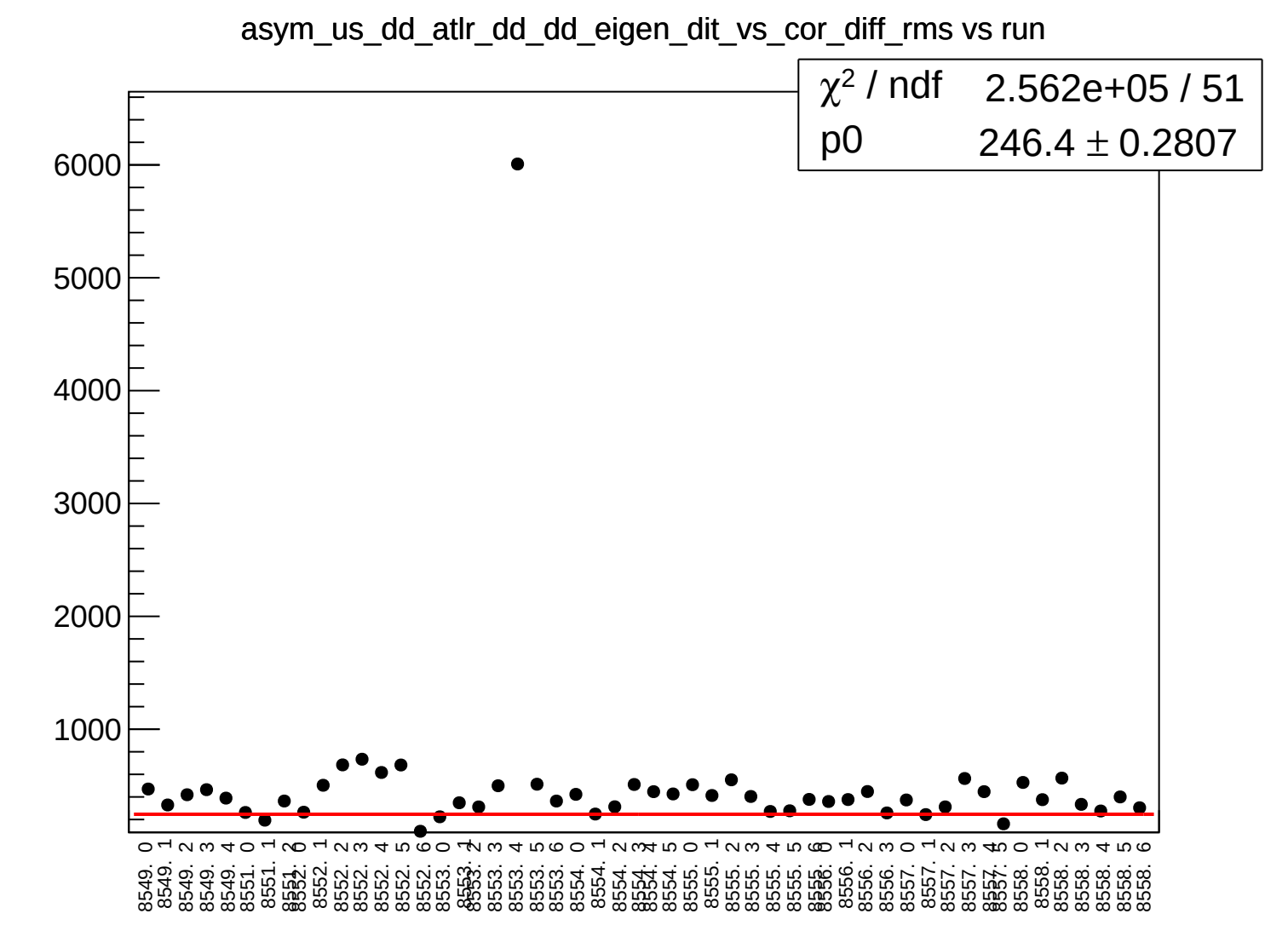

asym_us_dd_atlr_dd_dd_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 58.41 / 51
p0 −8.359e−06 ± 6.505e−06
pull
Entries 52
Mean 4.491
Std Dev 0


pull1D
Entries 52
Mean −0.0245
Std Dev 1.06


asym_us_dd_atlr_dd_dd_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 3027 / 51
p0 0.004654 ± 4.6e−06
0.0054
0.0052
0.005
0.0048
0.0046
0.0044
0.0042
0.004
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6


asym_us_dd_atlr_dd_dd_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 51.01 / 51
p0 0.241 ± 0.3969
pull
Entries 52
Mean −23.35
Std Dev 0


pull1D
Entries 52
Mean −0.03108
Std Dev 0.9899


asym_us_dd_atlr_dd_dd_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 2.562e+05 / 51
p0 246.4 ± 0.2807
6000
5000
4000
3000
2000
1000
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 5
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
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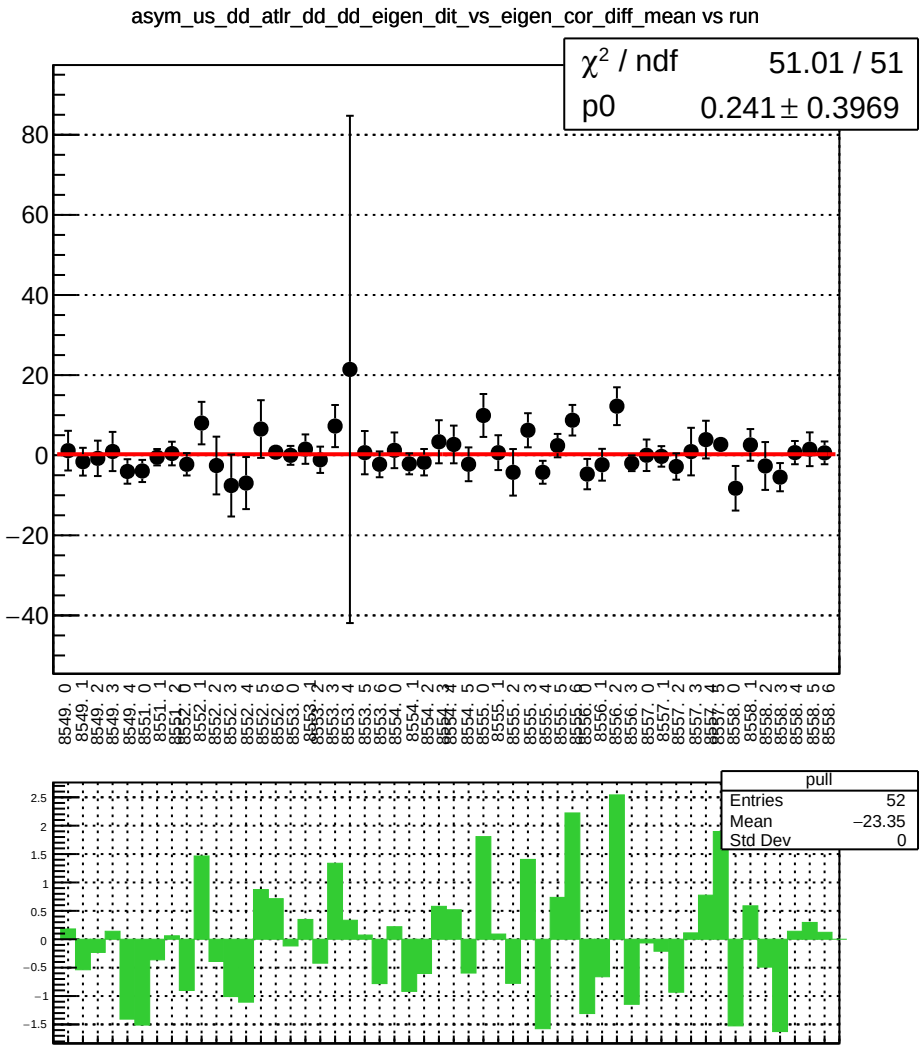
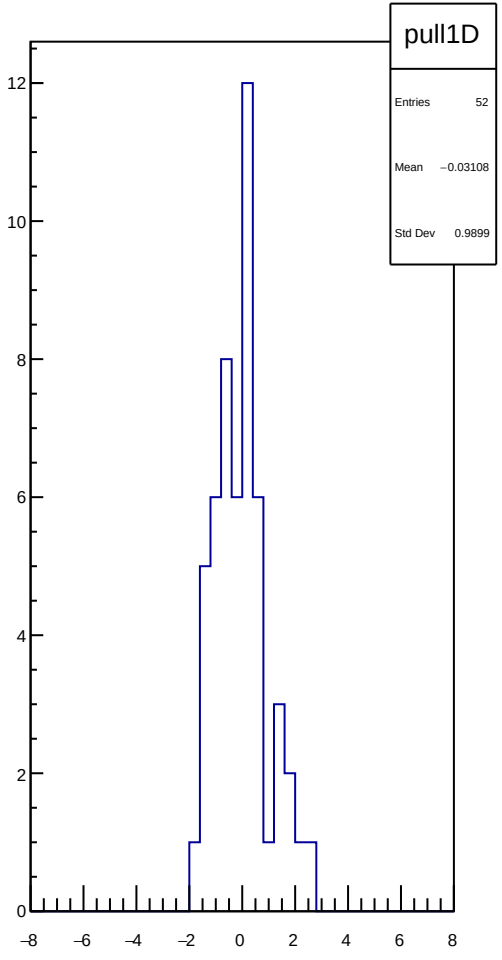
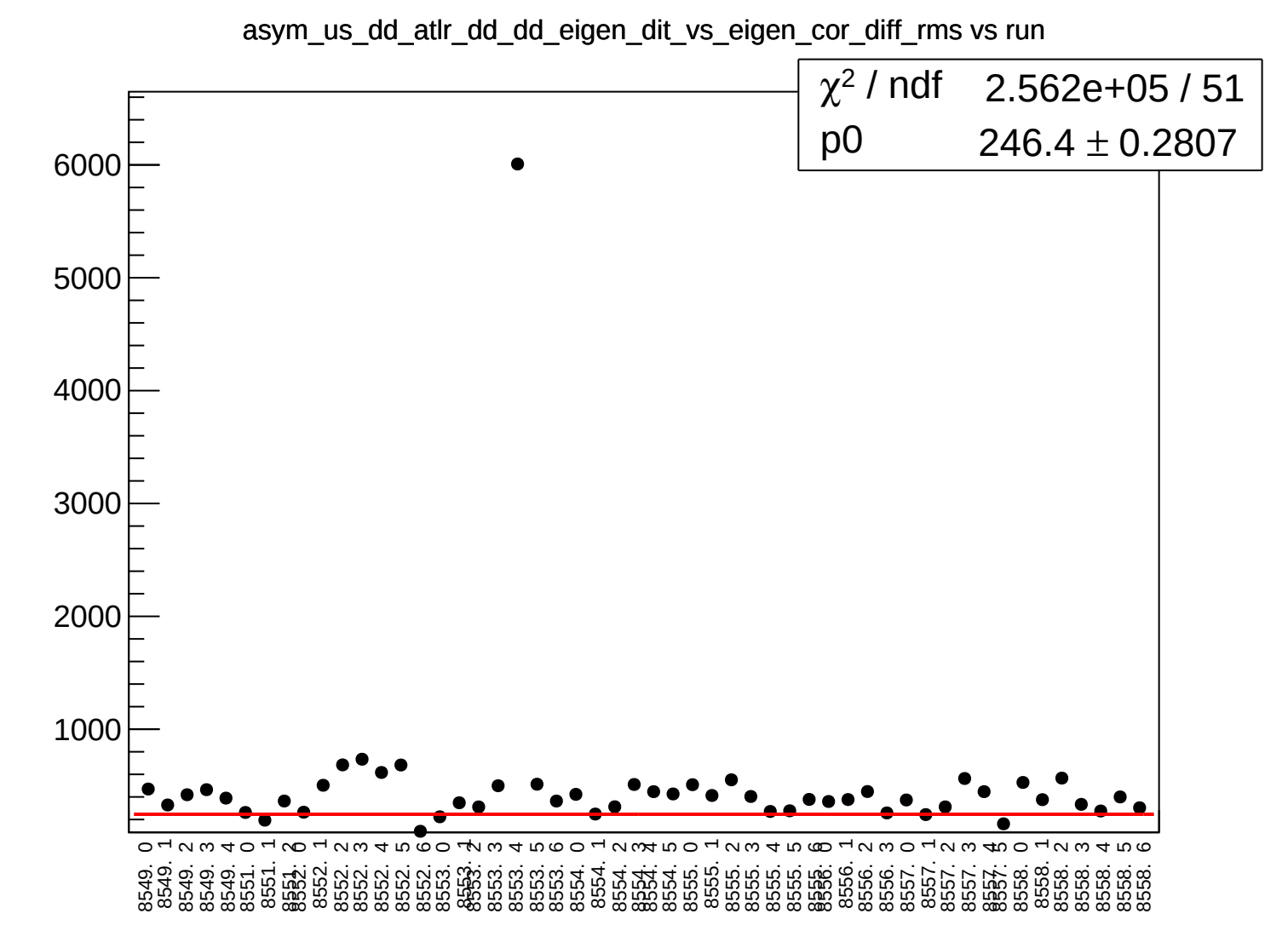
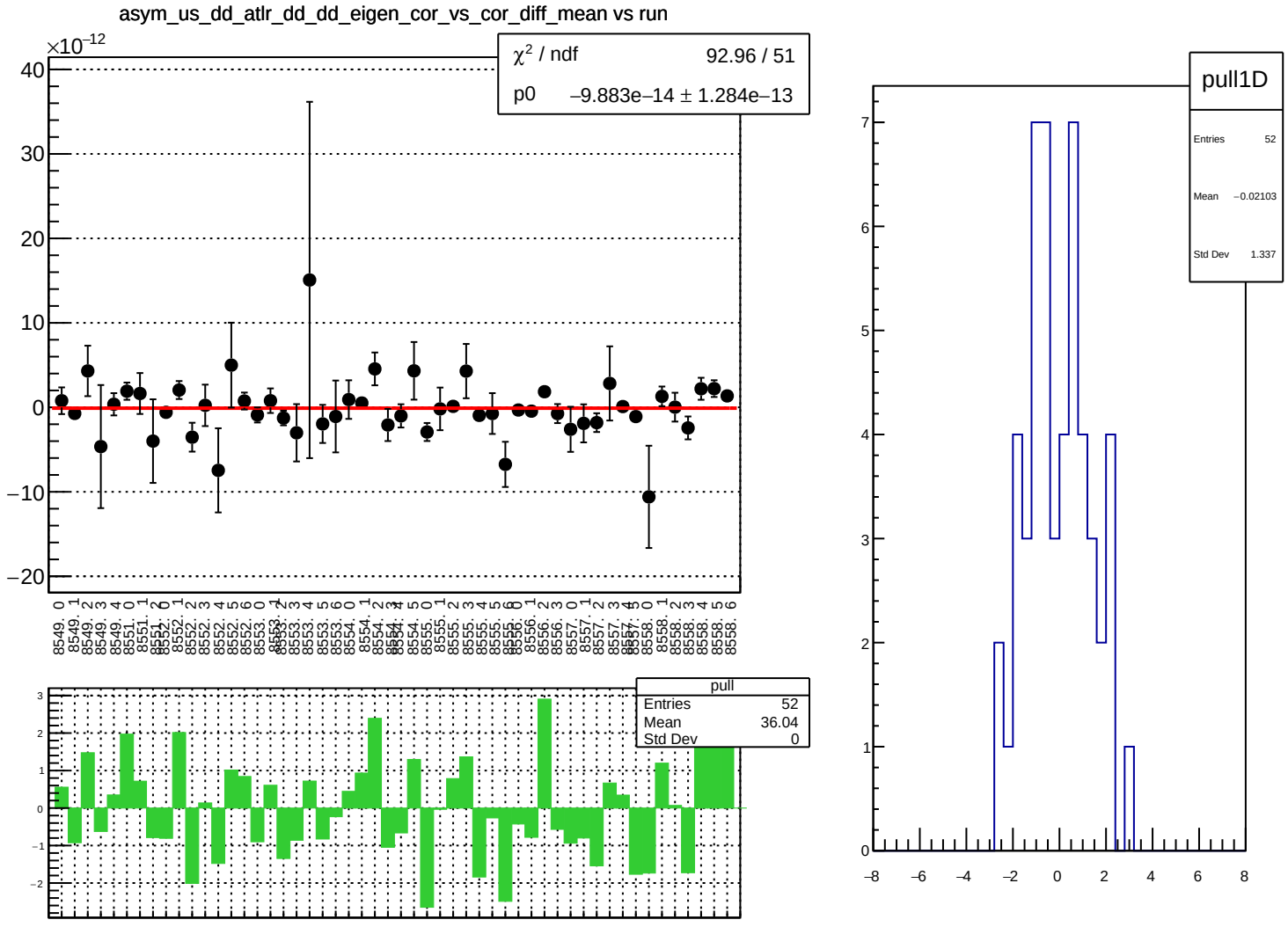
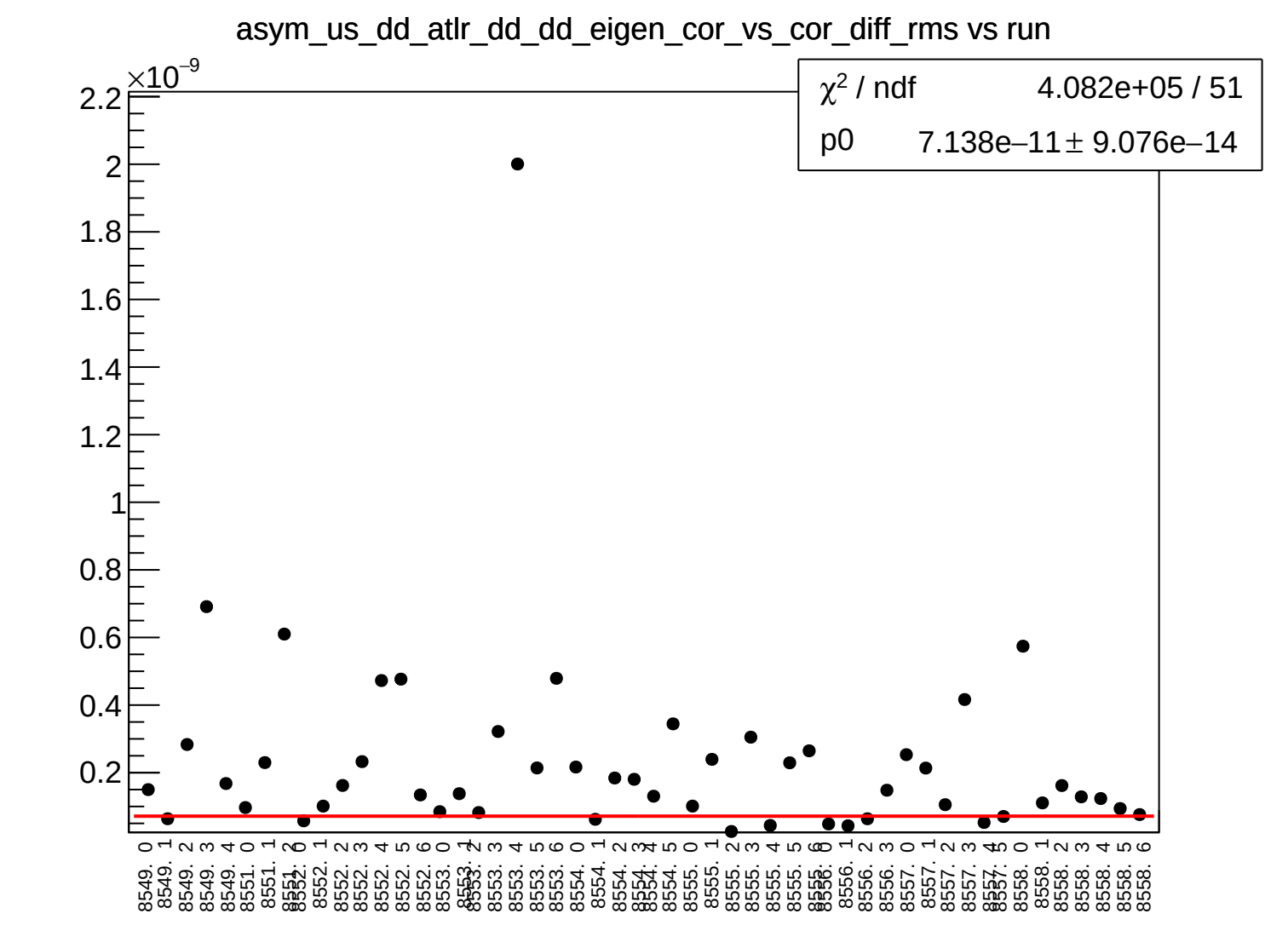
8558. 5
8558. 6

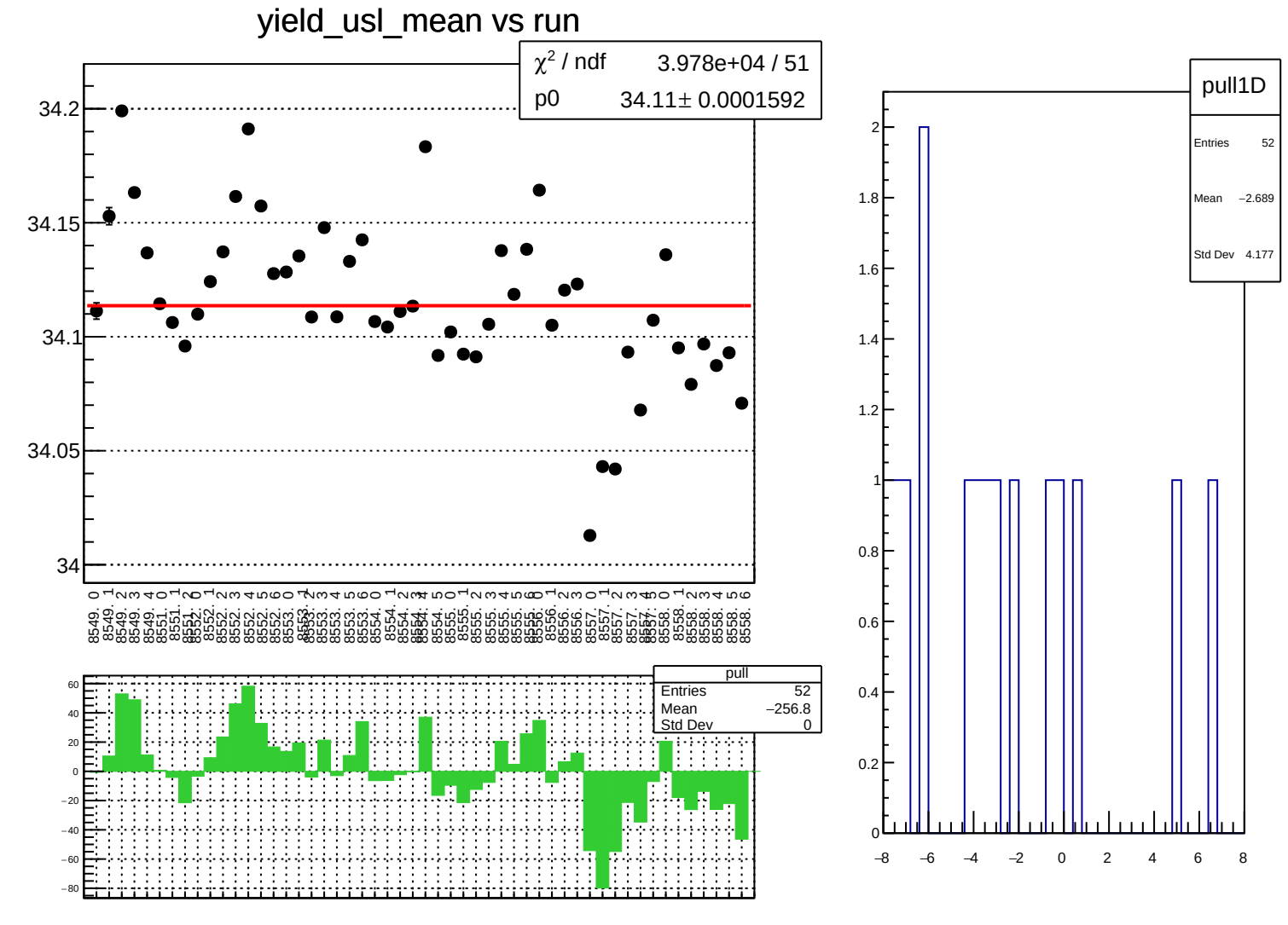

asym_us_dd_atlr_dd_dd_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 51.01 / 51
p0 0.241 ± 0.3969
pull
Entries 52
Mean −23.35
Std Dev 0

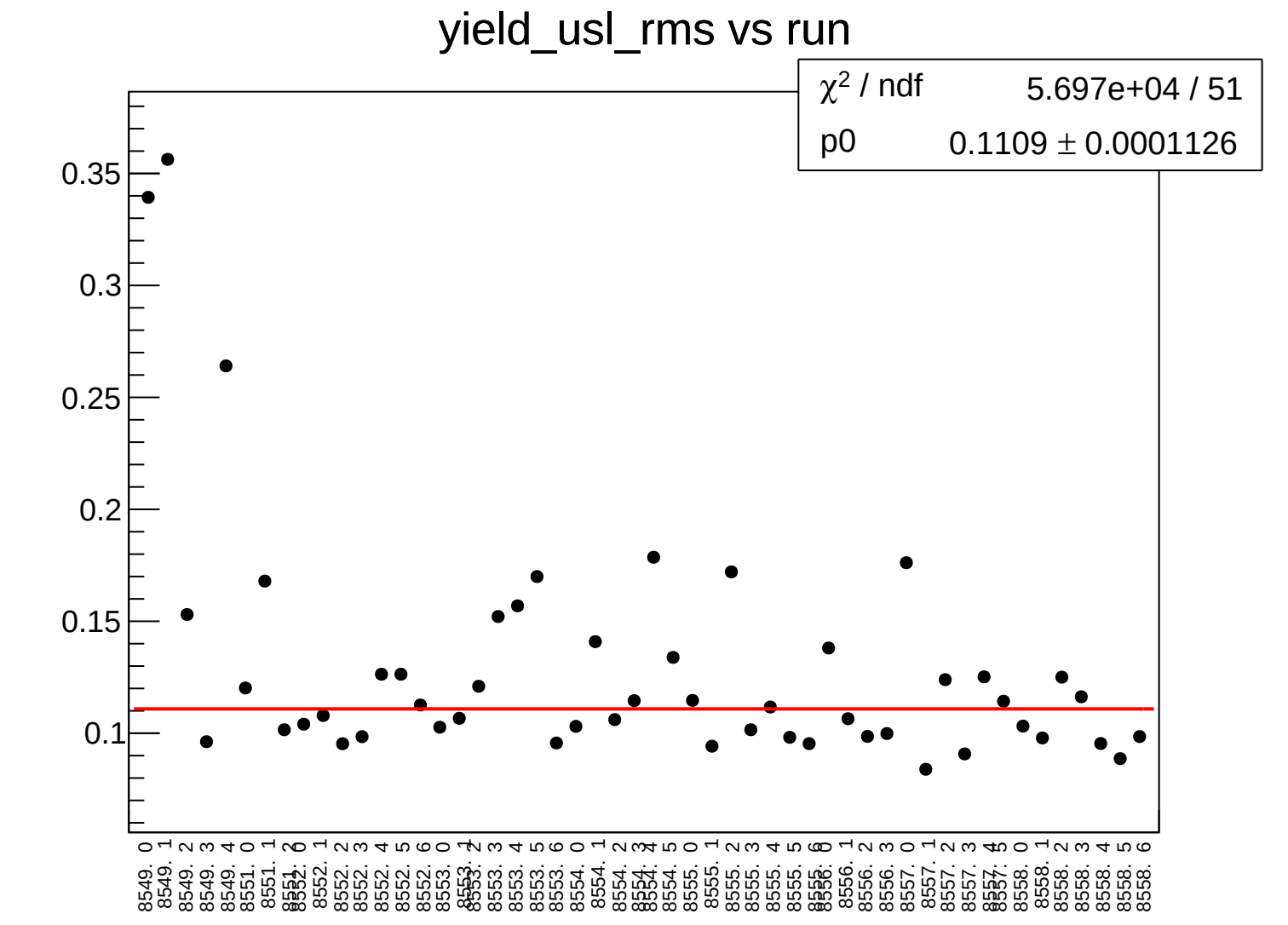

pull1D
Entries 52
Mean −0.03108
Std Dev 0.9899

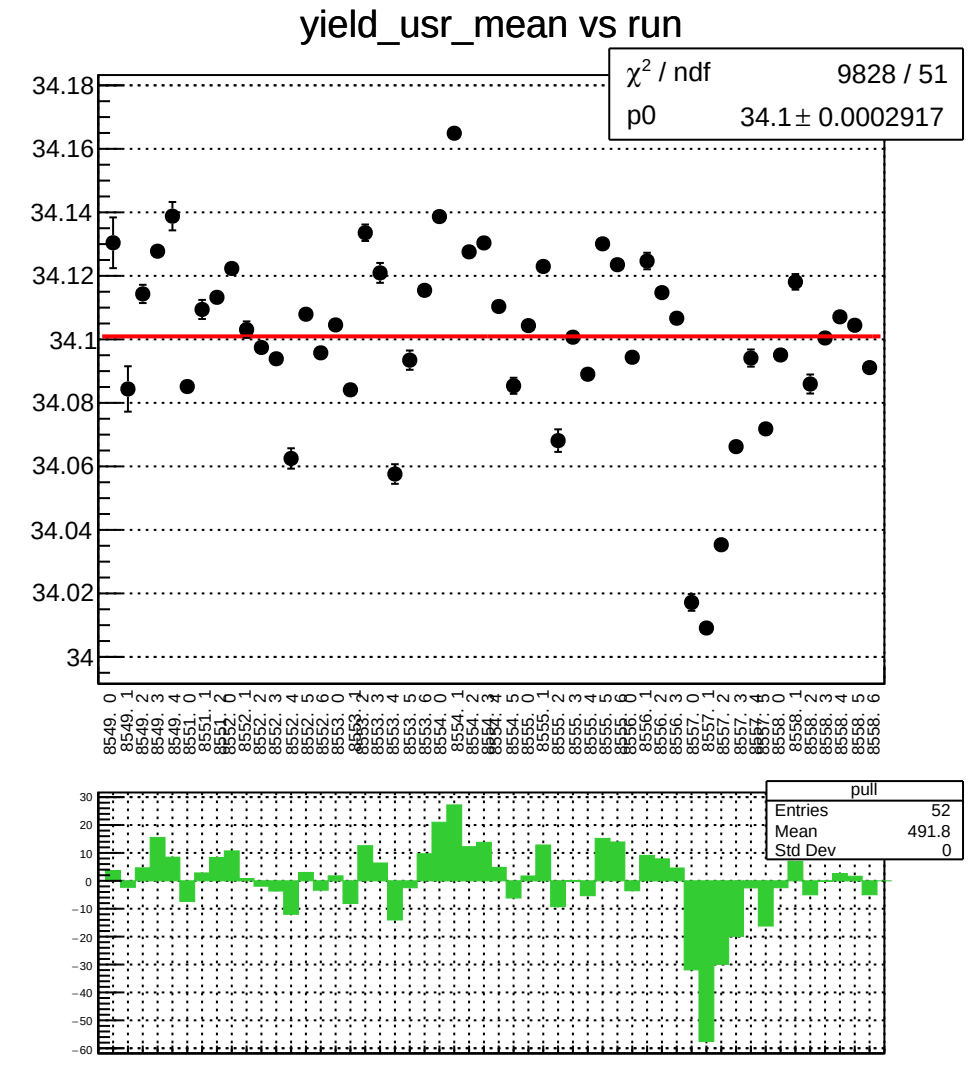

asym_us_dd_atlr_dd_dd_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 2.562e+05 / 51
p0 246.4 ± 0.2807
6000
5000
4000
3000
2000
1000
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

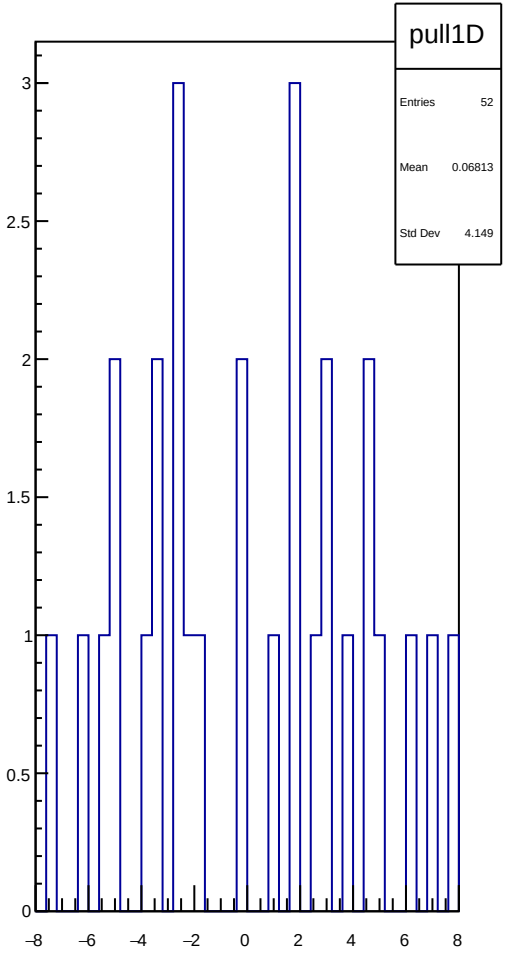

asym_us_dd_atlr_dd_dd_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 92.96 / 51
p0 −9.883e−14 ± 1.284e−13
pull
Entries 52
Mean 36.04
Std Dev 0
pull1D
Entries 52
Mean −0.02103
Std Dev 1.337

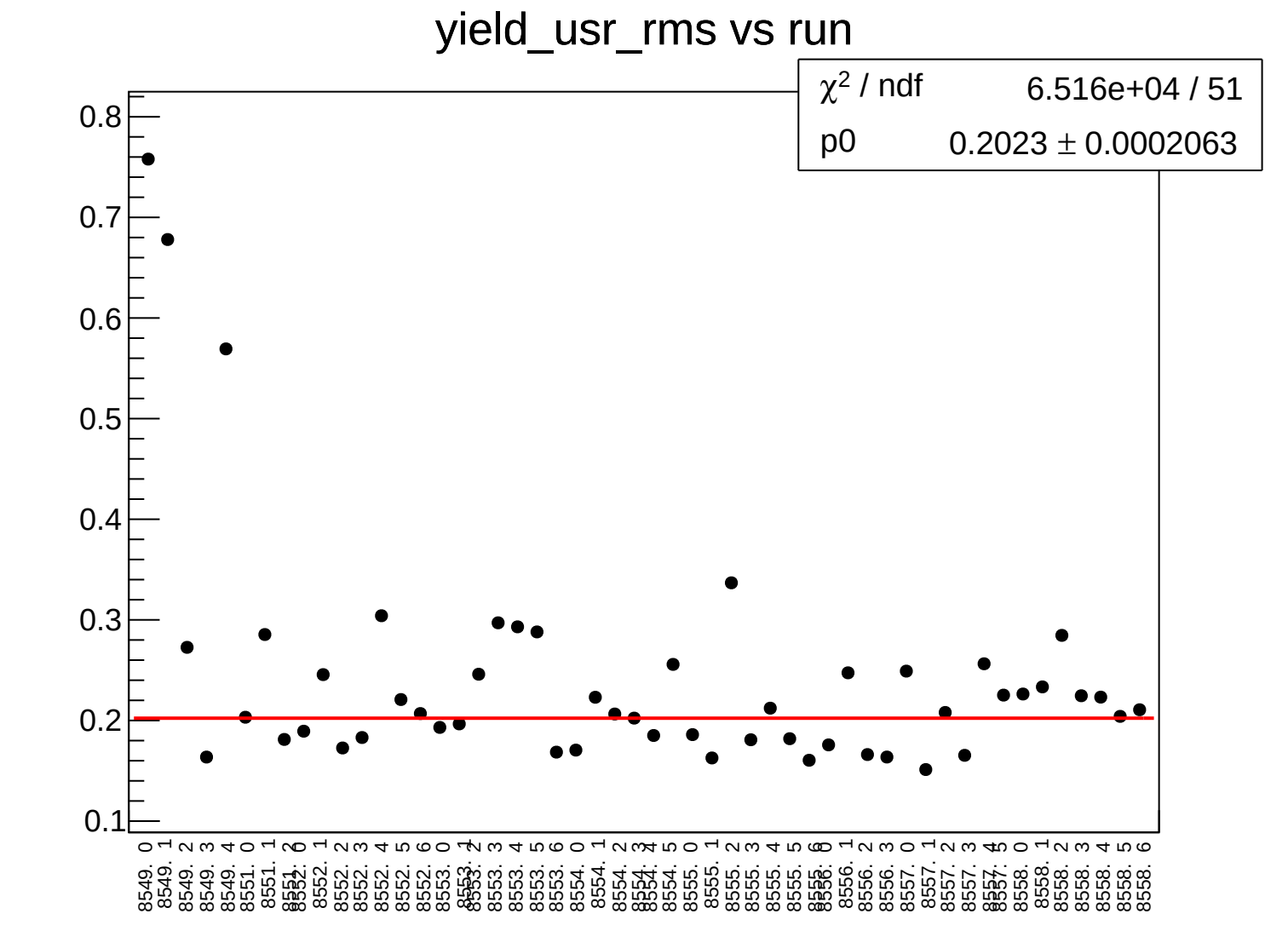

asym_us_dd_atlr_dd_dd_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 4.082e+05 / 51
p0 7.138e−11 ± 9.076e−14
2.2
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8555. 0
8555. 1
8555. 3
8555. 4
8555. 5
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

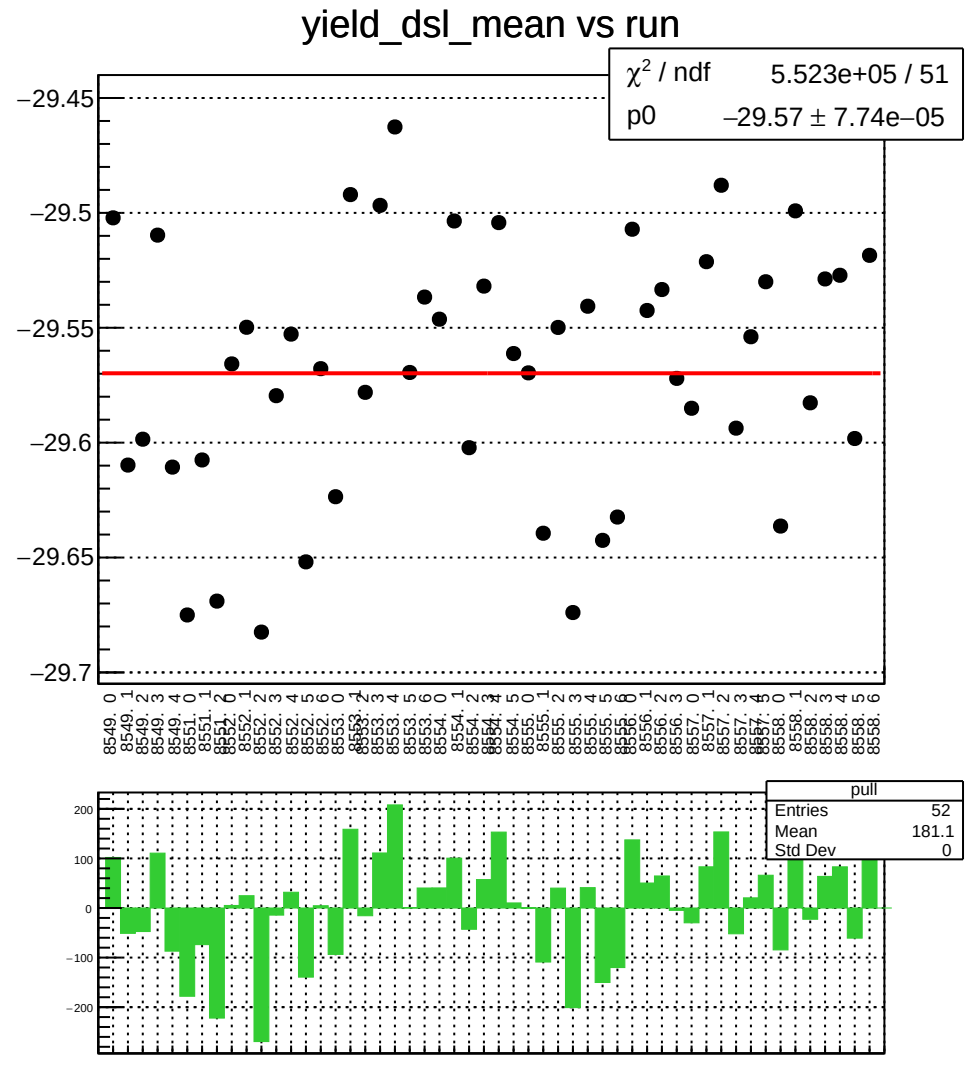

yield_usl_mean vs run
χ² / ndf 3.978e+04 / 51
p0 34.11± 0.0001592
34.2
34.15
34.1
34.05
34
pull
Entries 52
Mean −256.8
Std Dev 0
60
40
20
0
−20
−40
−60
−80
pull1D
Entries 52
Mean −2.689
Std Dev 4.177
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

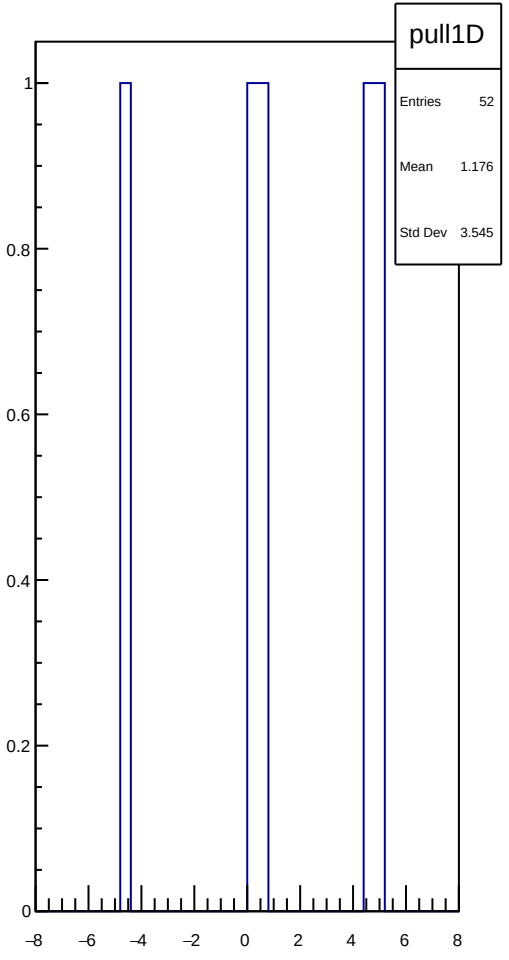

yield_usl_rms vs run
χ² / ndf 5.697e+04 / 51
p0 0.1109 ± 0.0001126
0.35
0.3
0.25
0.2
0.15
0.1
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 5
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

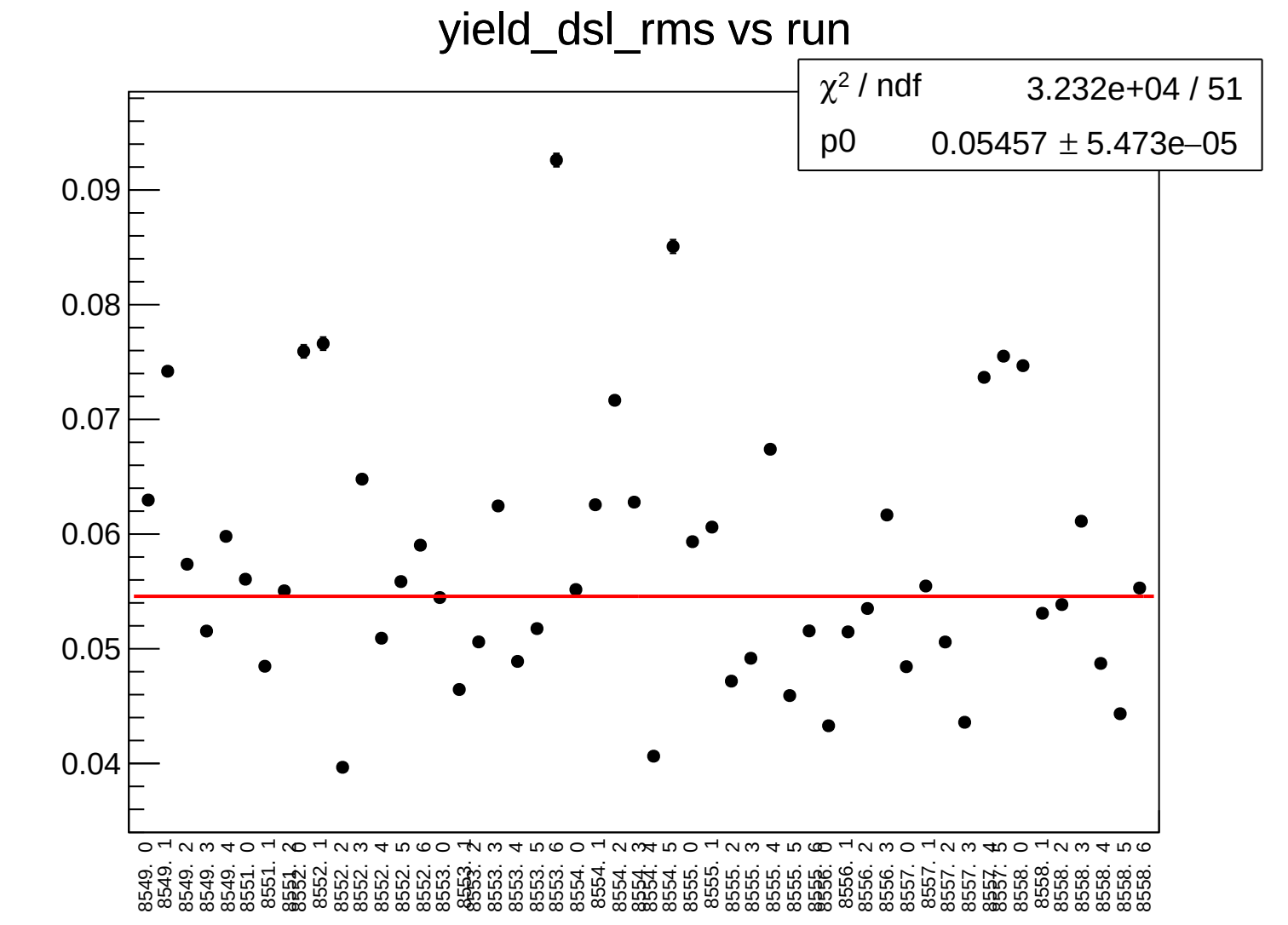

yield_usr_mean vs run
χ² / ndf 9828 / 51
p0 34.1 ± 0.0002917
34.18
34.16
34.14
34.12
34.1
34.08
34.06
34.04
34.02
34
pull
Entries 52
Mean 491.8
Std Dev 0
30
20
10
0
−10
−20
−30
−40
−50
−60

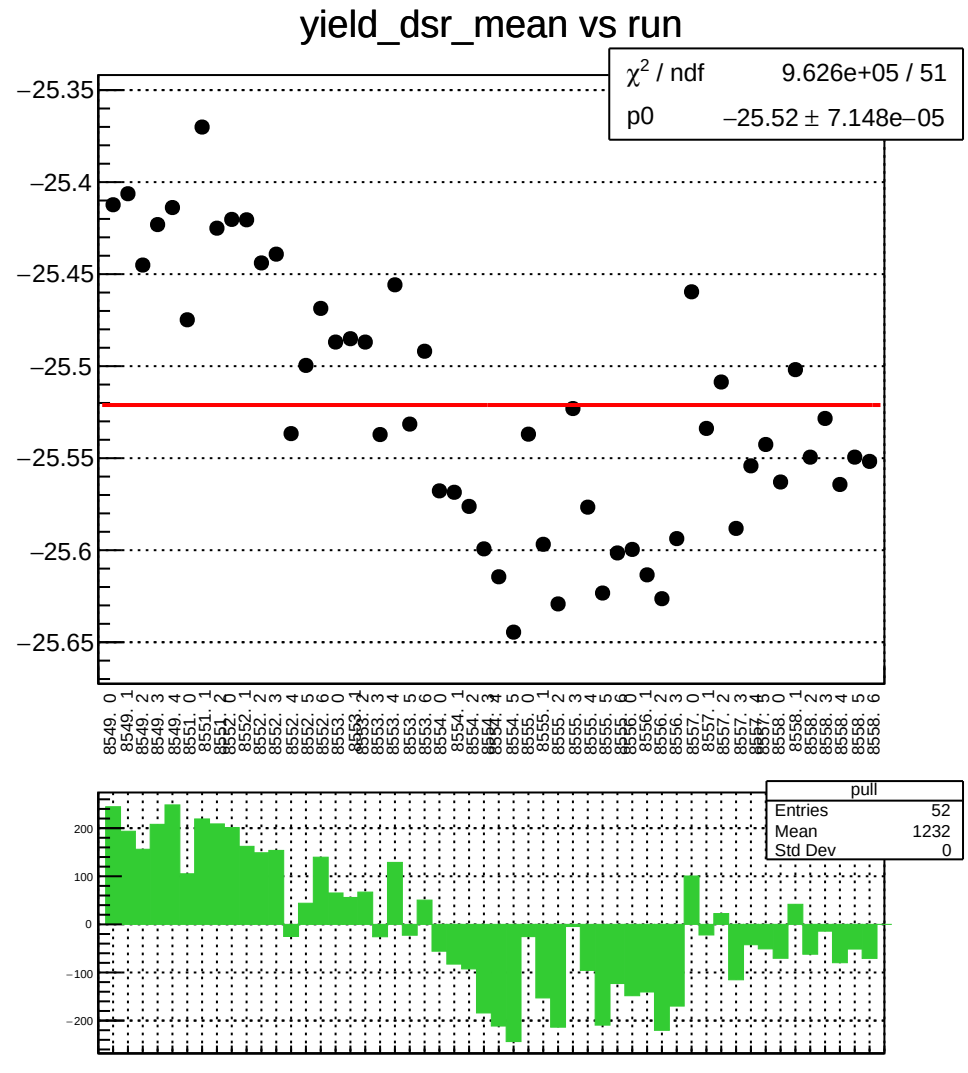

pull1D
Entries 52
Mean 0.06813
Std Dev 4.149
3
2.5
2
1.5
1
0.5
0
−8
−6
−4
−2
0
2
4
6
8

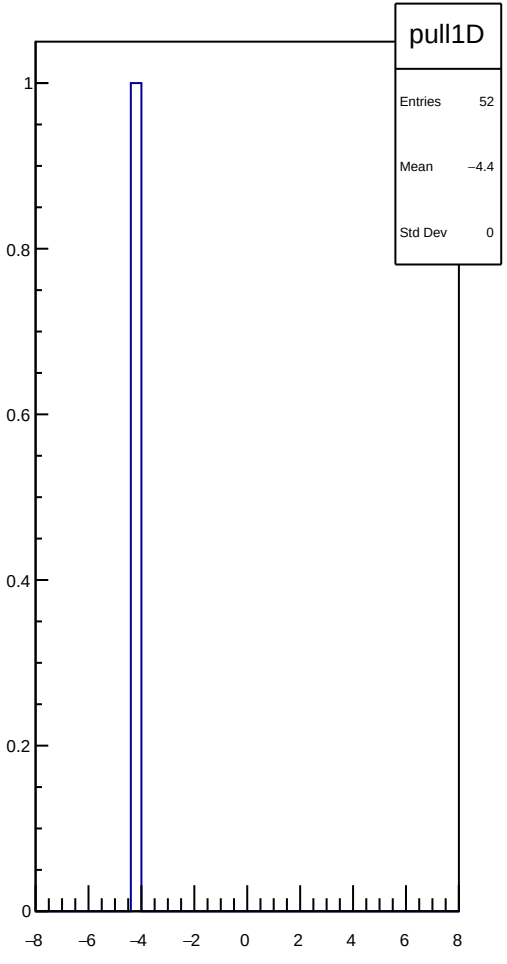

yield_usr_rms vs run
χ² / ndf 6.516e+04 / 51
p0 0.2023 ± 0.0002063
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 5
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

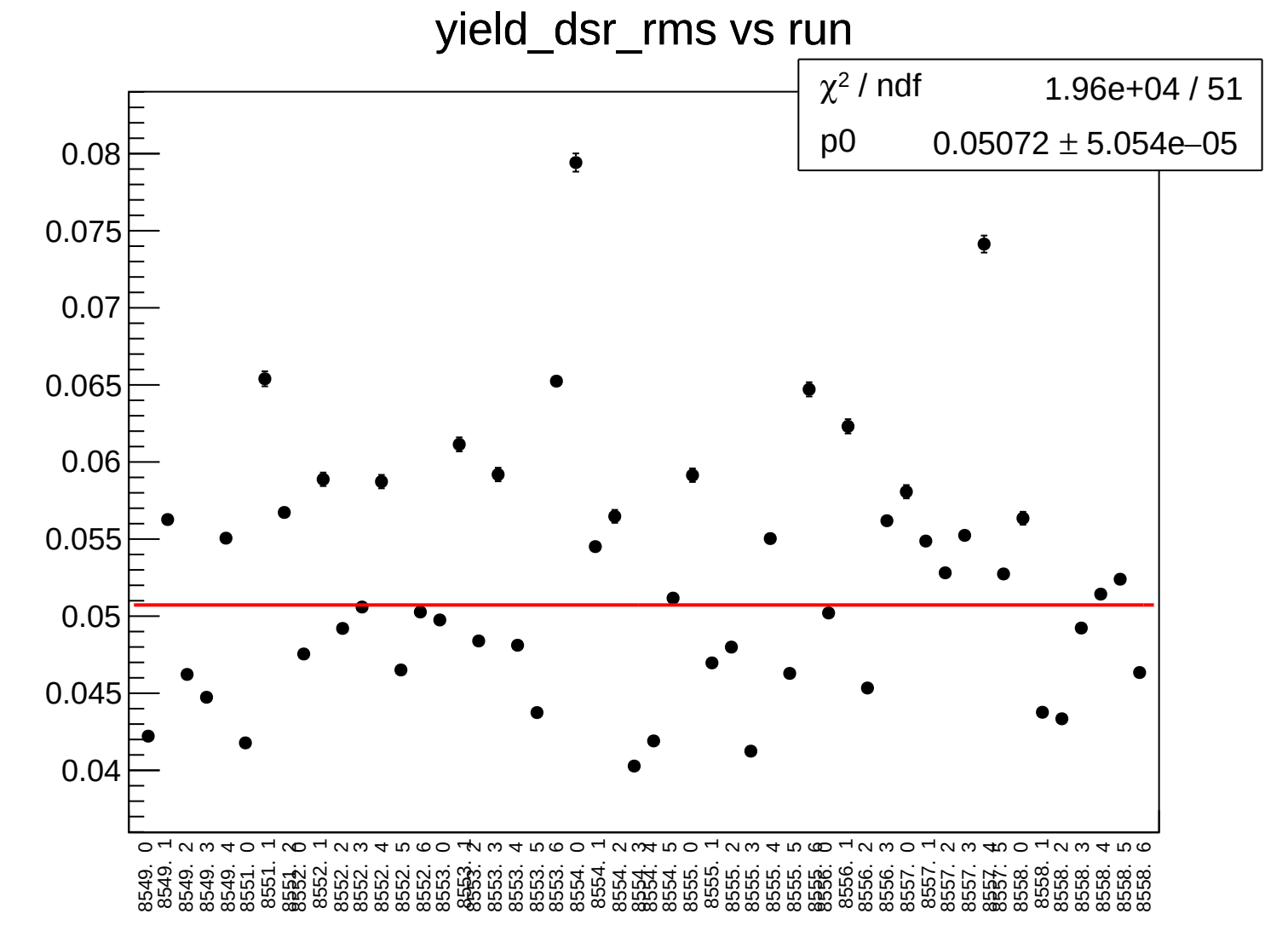

yield_dsl_mean vs run
χ² / ndf 5.523e+05 / 51
p0 −29.57 ± 7.74e−05
−29.45
−29.5
−29.55
−29.6
−29.65
−29.7
pull
Entries 52
Mean 181.1
Std Dev 0
200
100
0
−100
−200

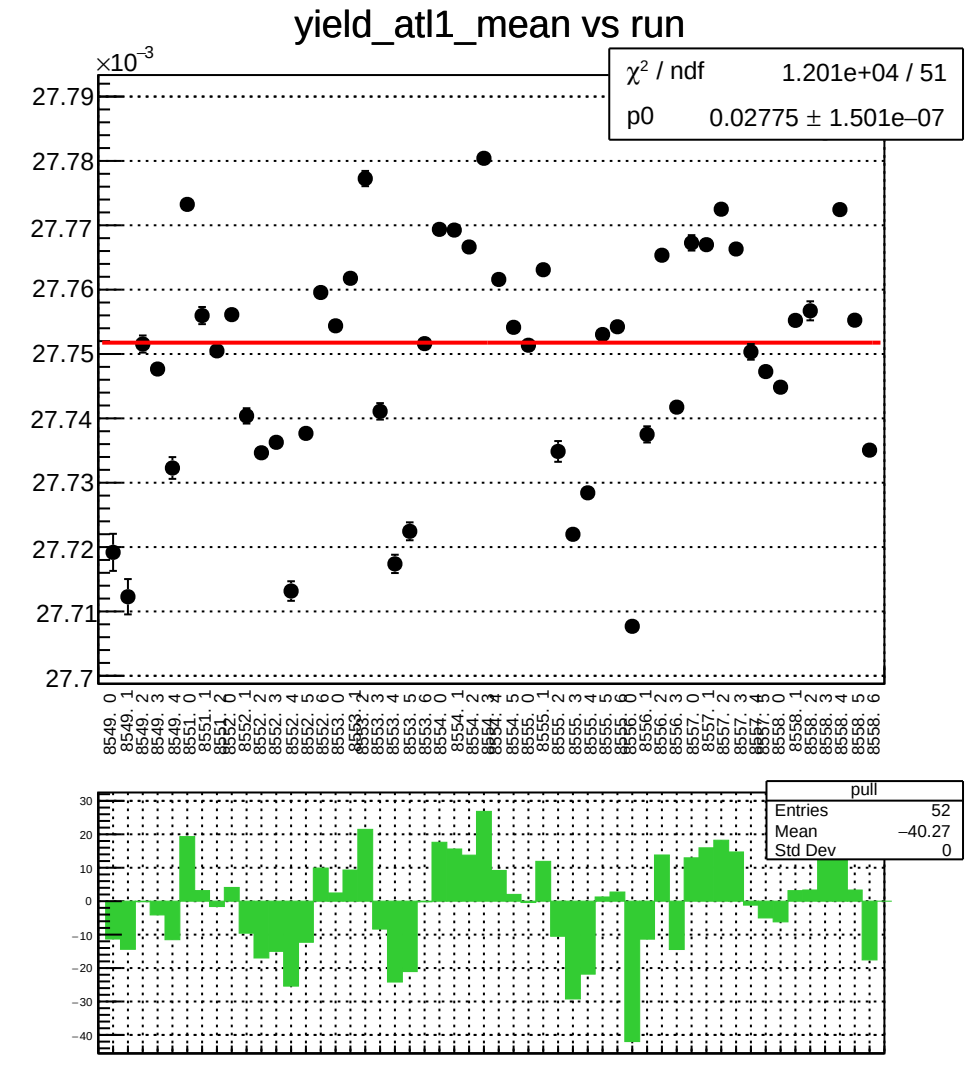

pull1D
Entries 52
Mean 1.176
Std Dev 3.545
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

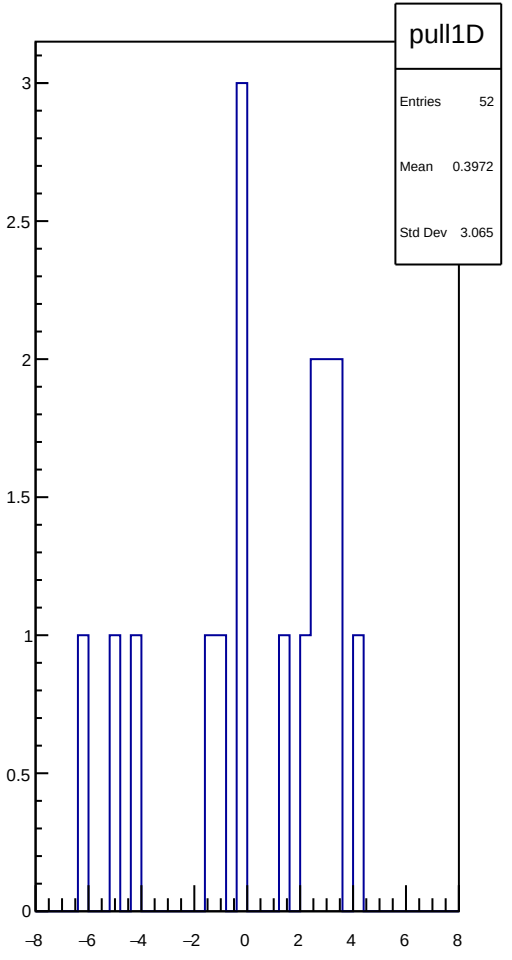

yield_dsl_rms vs run
χ² / ndf 3.232e+04 / 51
p0 0.05457 ± 5.473e–05
0.09
0.08
0.07
0.06
0.05
0.04
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 5
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

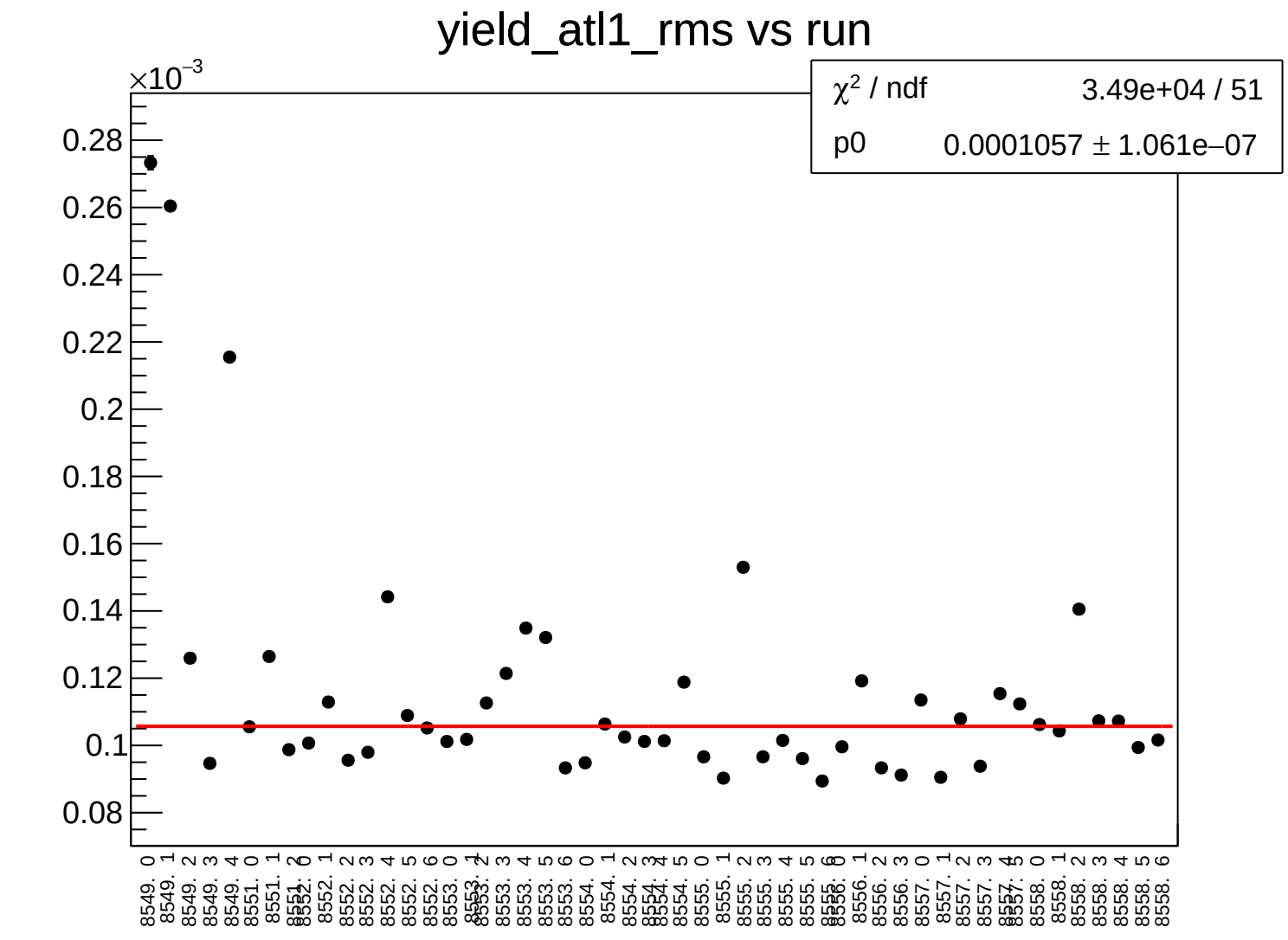

yield_dsr_mean vs run
χ² / ndf 9.626e+05 / 51
p0 −25.52 ± 7.148e−05
−25.35
−25.4
−25.45
−25.5
−25.55
−25.6
−25.65
pull
Entries 52
Mean 1232
Std Dev 0
200
100
0
−100
−200

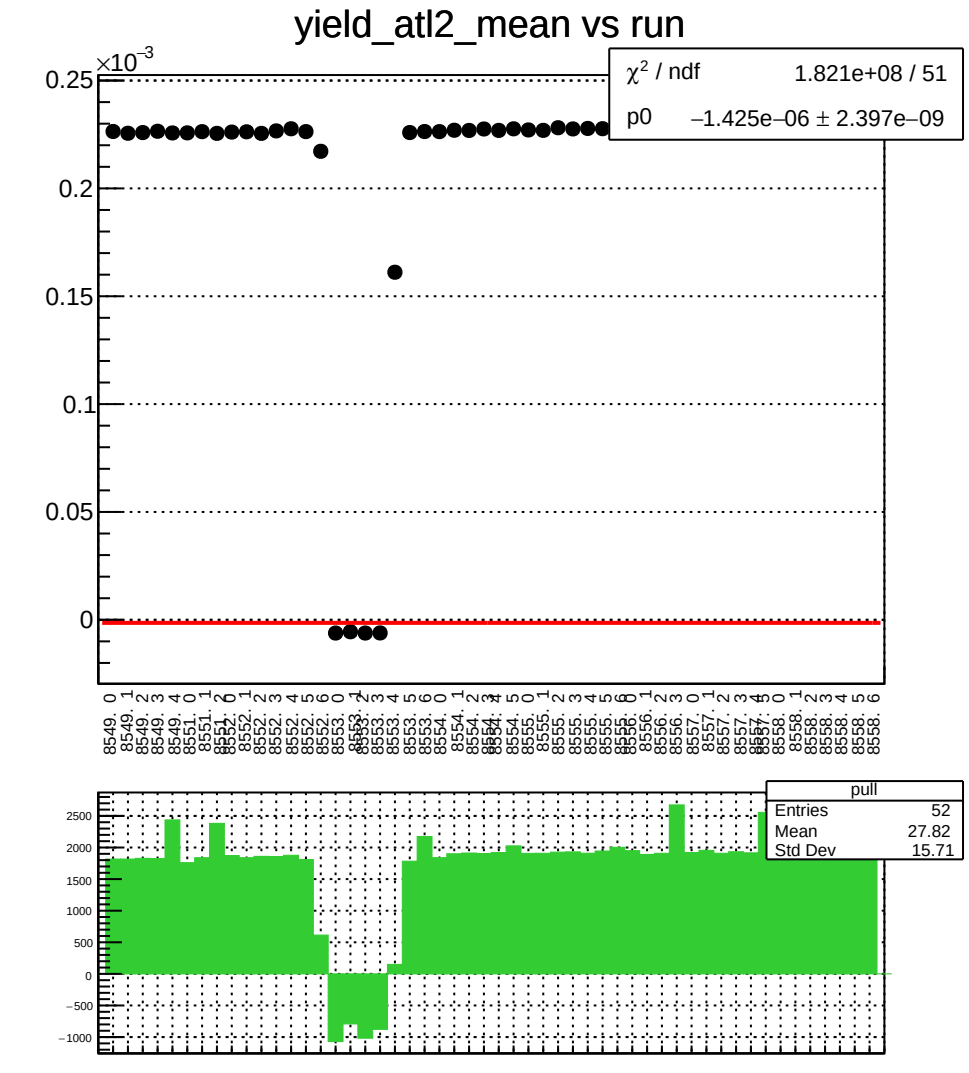

pull1D
Entries 52
Mean −4.4
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

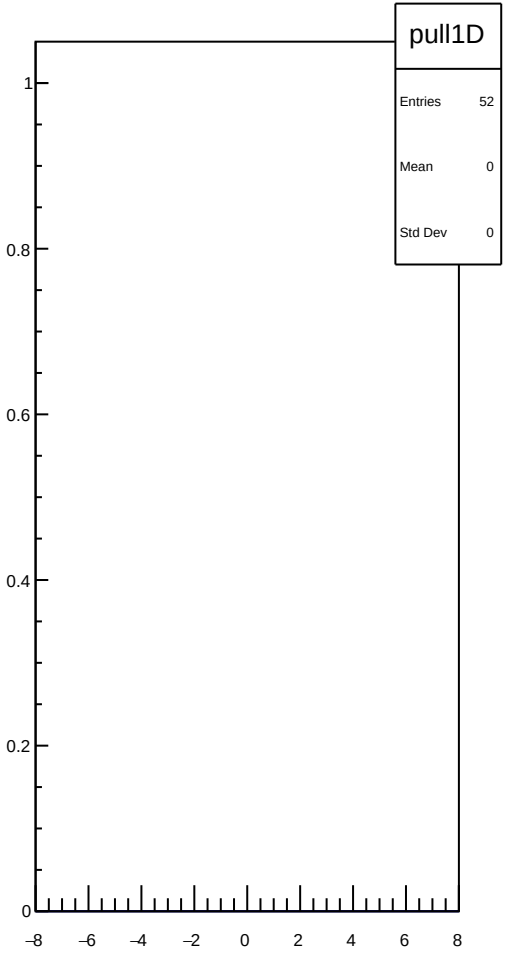

yield_dsr_rms vs run
χ² / ndf 1.96e+04 / 51
p0 0.05072 ± 5.054e–05
0.08
0.075
0.07
0.065
0.06
0.055
0.05
0.045
0.04
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

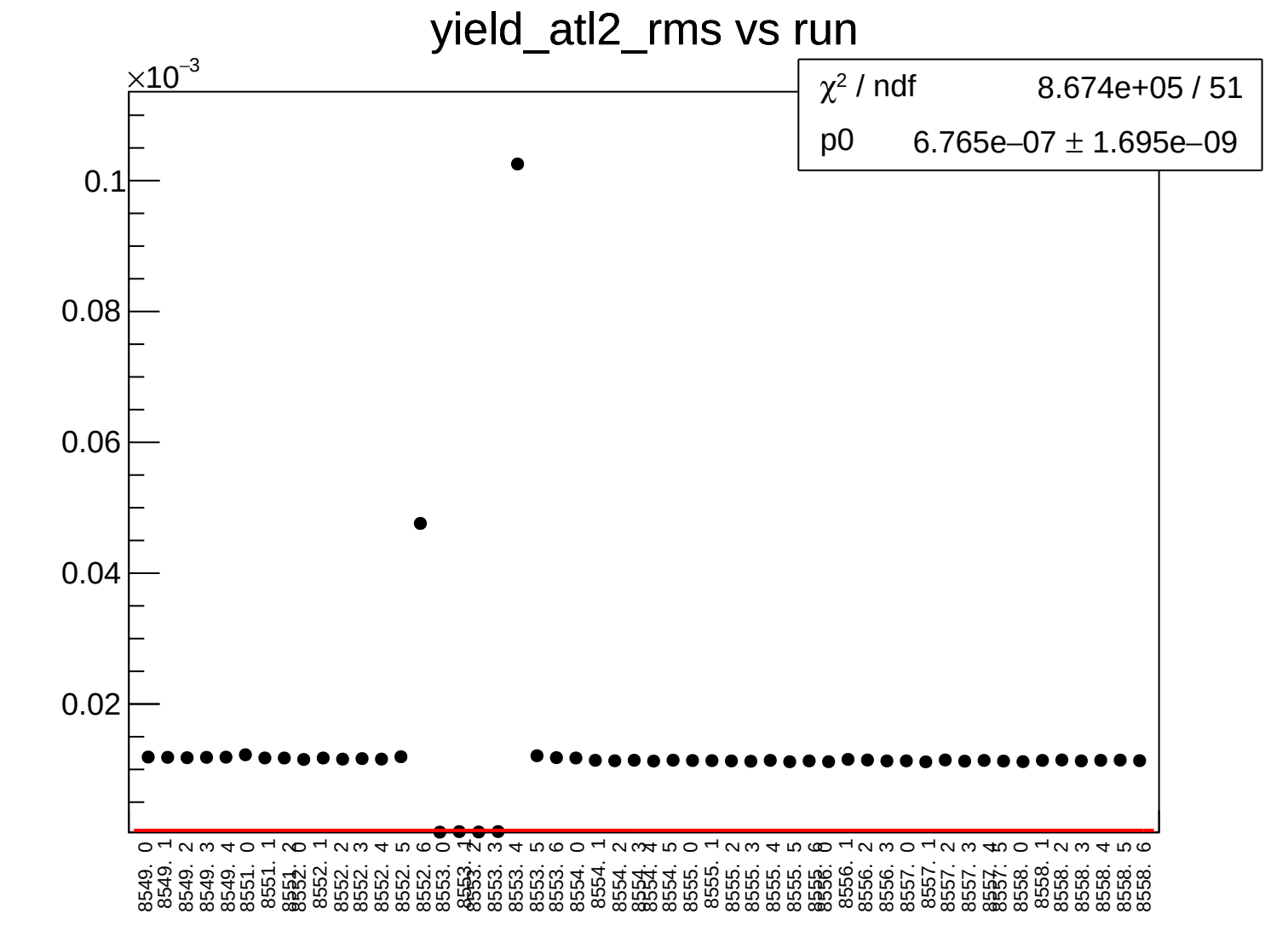

yield_atl1_mean vs run
×10⁻³
χ² / ndf 1.201e+04 / 51
p0 0.02775 ± 1.501e−07
27.79
27.78
27.77
27.76
27.75
27.74
27.73
27.72
27.71
27.7
pull
Entries 52
Mean −40.27
Std Dev 0
30
20
10
0
−10
−20
−30
−40

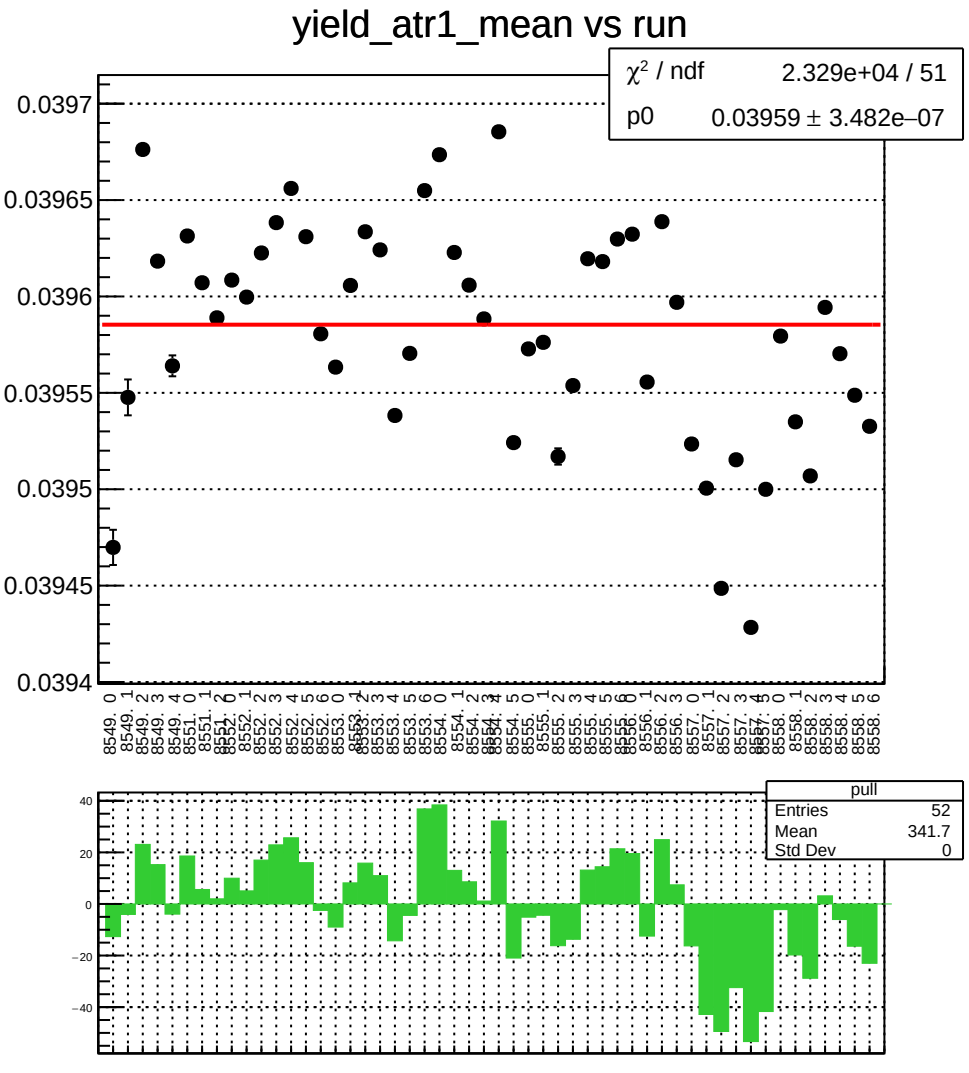

pull1D
Entries 52
Mean 0.3972
Std Dev 3.065
3
2.5
2
1.5
1
0.5
0
−8
−6
−4
−2
0
2
4
6
8

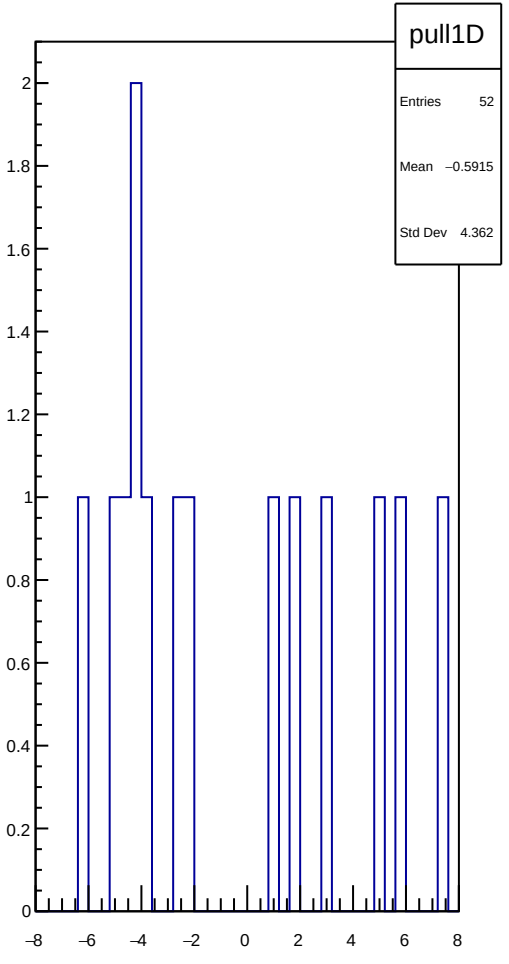

yield_atl1_rms vs run
×10⁻³
χ² / ndf 3.49e+04 / 51
p0 0.0001057 ± 1.061e−07
0.28
0.26
0.24
0.22
0.2
0.18
0.16
0.14
0.12
0.1
0.08

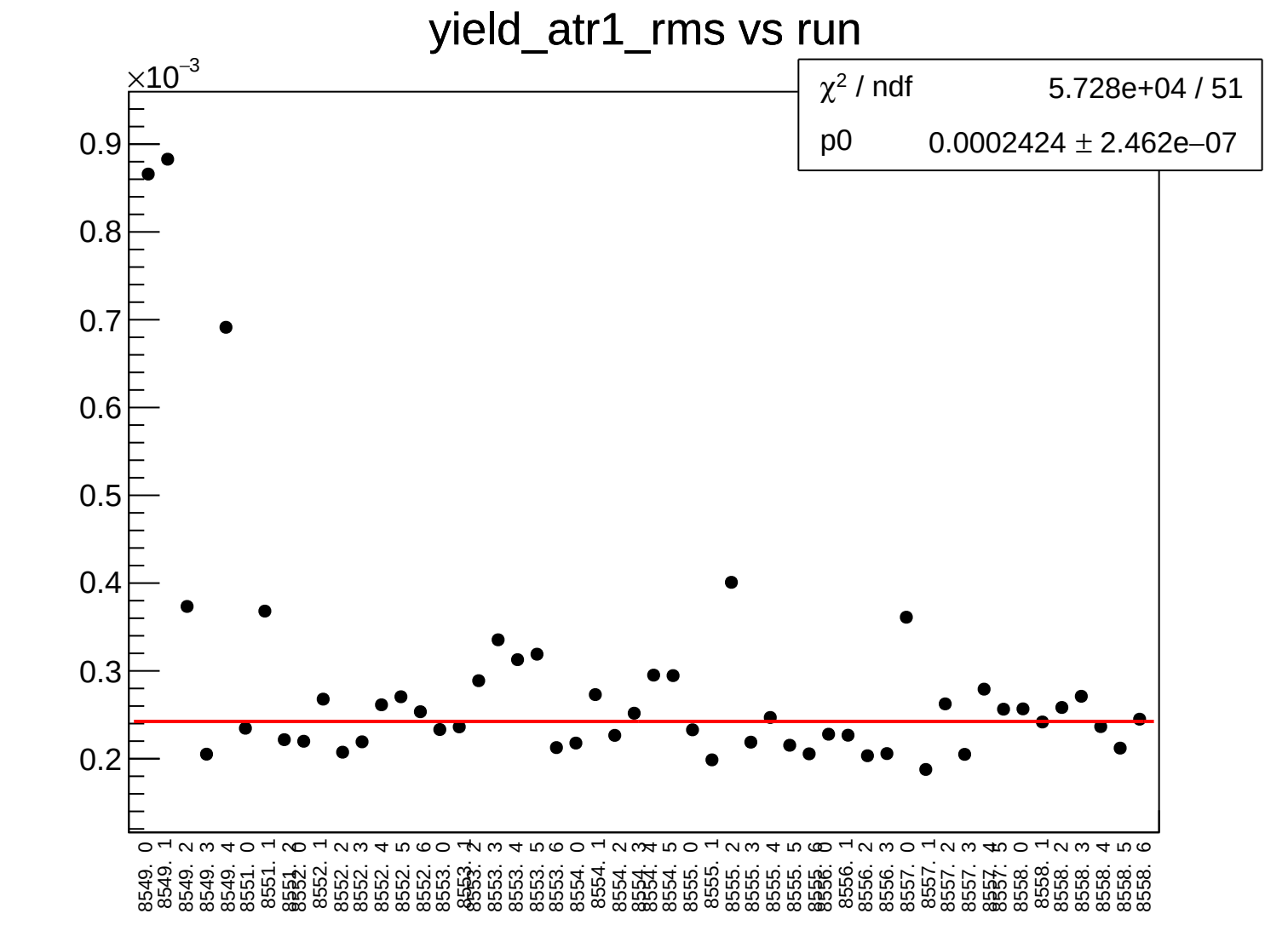

yield_atl2_mean vs run
×10⁻³
χ² / ndf 1.821e+08 / 51
p0 −1.425e−06 ± 2.397e−09
0.25
0.2
0.15
0.1
0.05
0
pull
Entries 52
Mean 27.82
Std Dev 15.71
2500
2000
1500
1000
500
0
−500
−1000

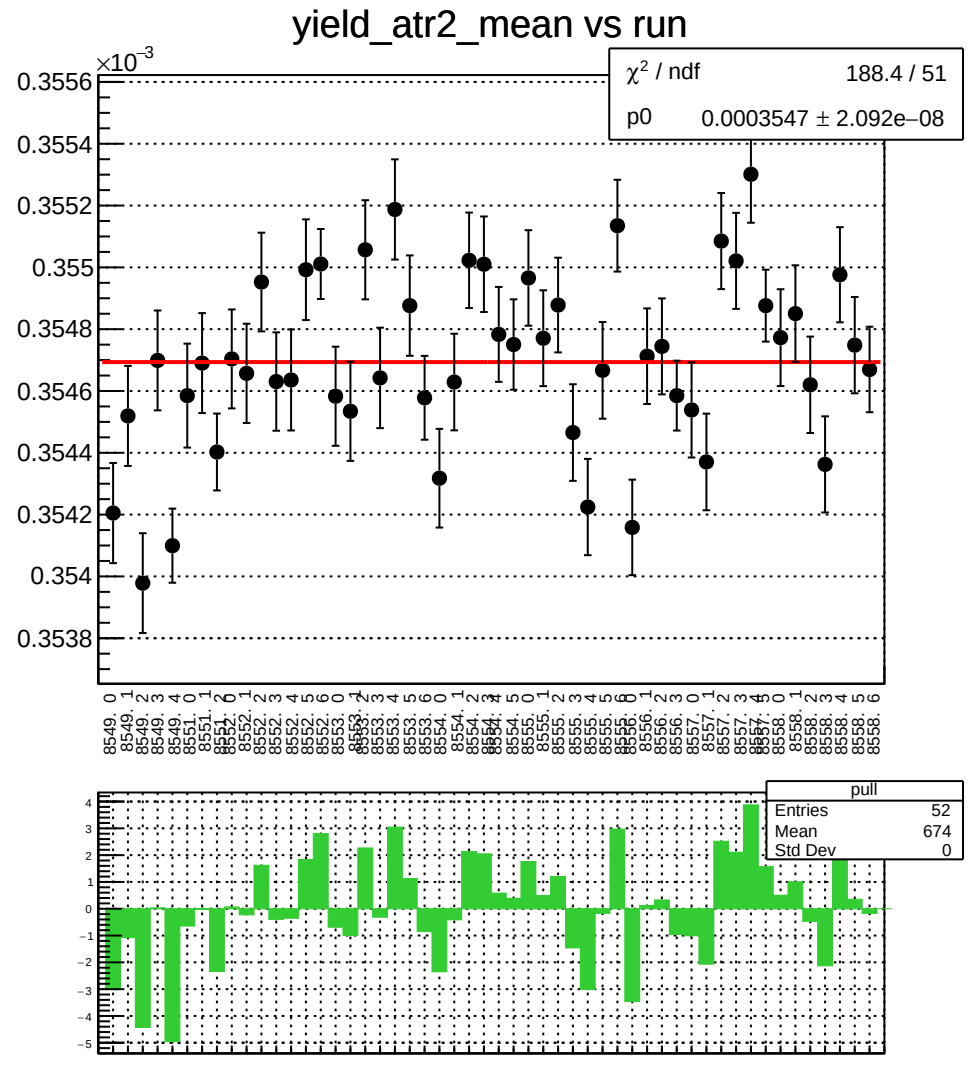

pull1D
Entries 52
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

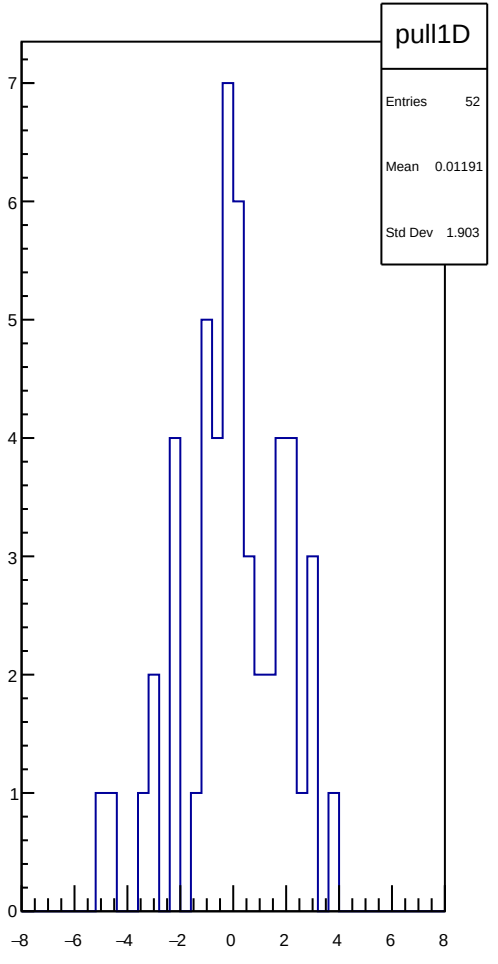

yield_atl2_rms vs run
×10⁻³
χ² / ndf 8.674e+05 / 51
p0 6.765e−07 ± 1.695e−09
0.1
0.08
0.06
0.04
0.02
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 5
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

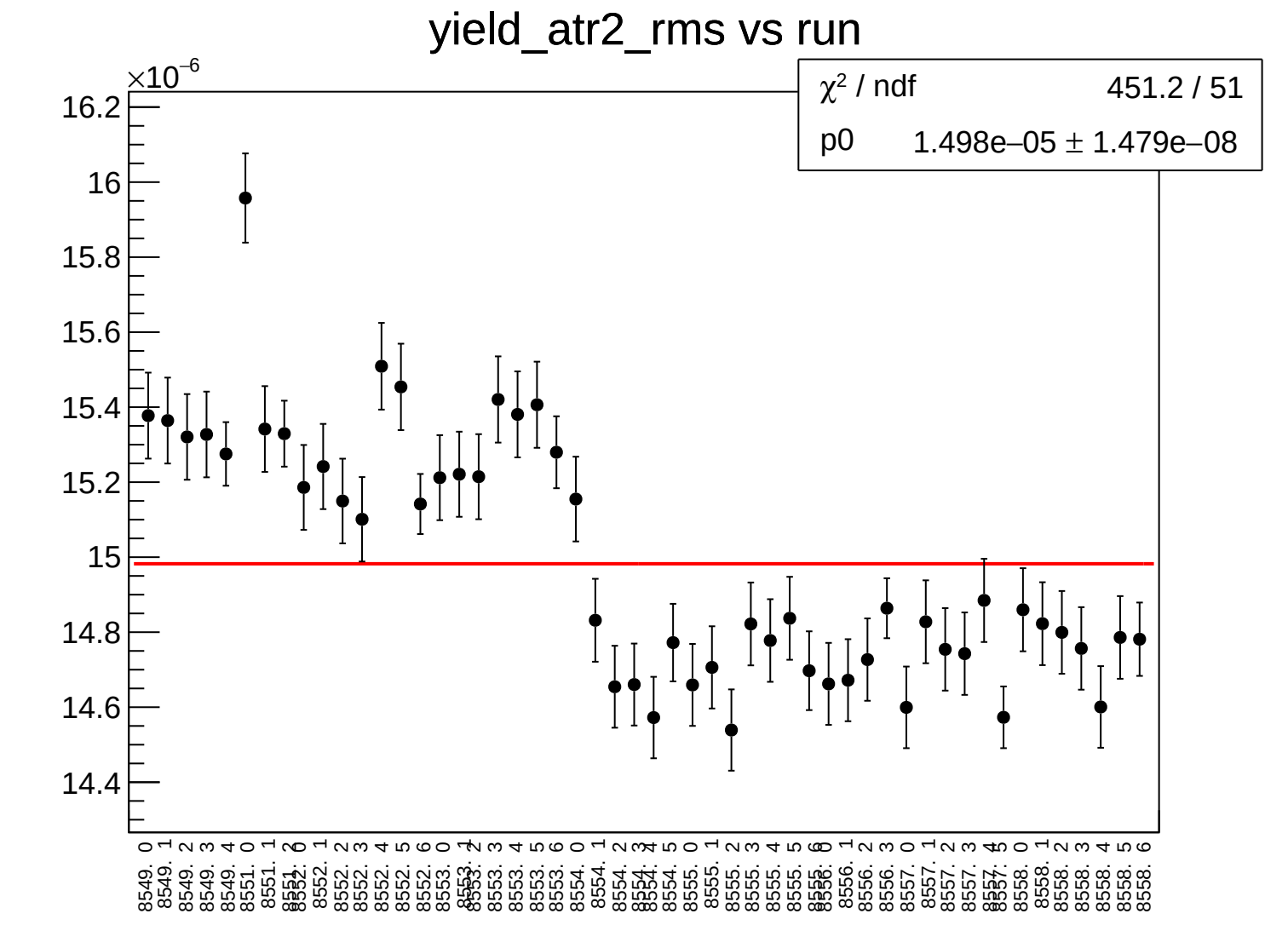

yield_atr1_mean vs run
χ² / ndf 2.329e+04 / 51
p0 0.03959 ± 3.482e−07
0.0397
0.03965
0.0396
0.03955
0.0395
0.03945
0.0394
pull
Entries 52
Mean 341.7
Std Dev 0
40
20
0
−20
−40

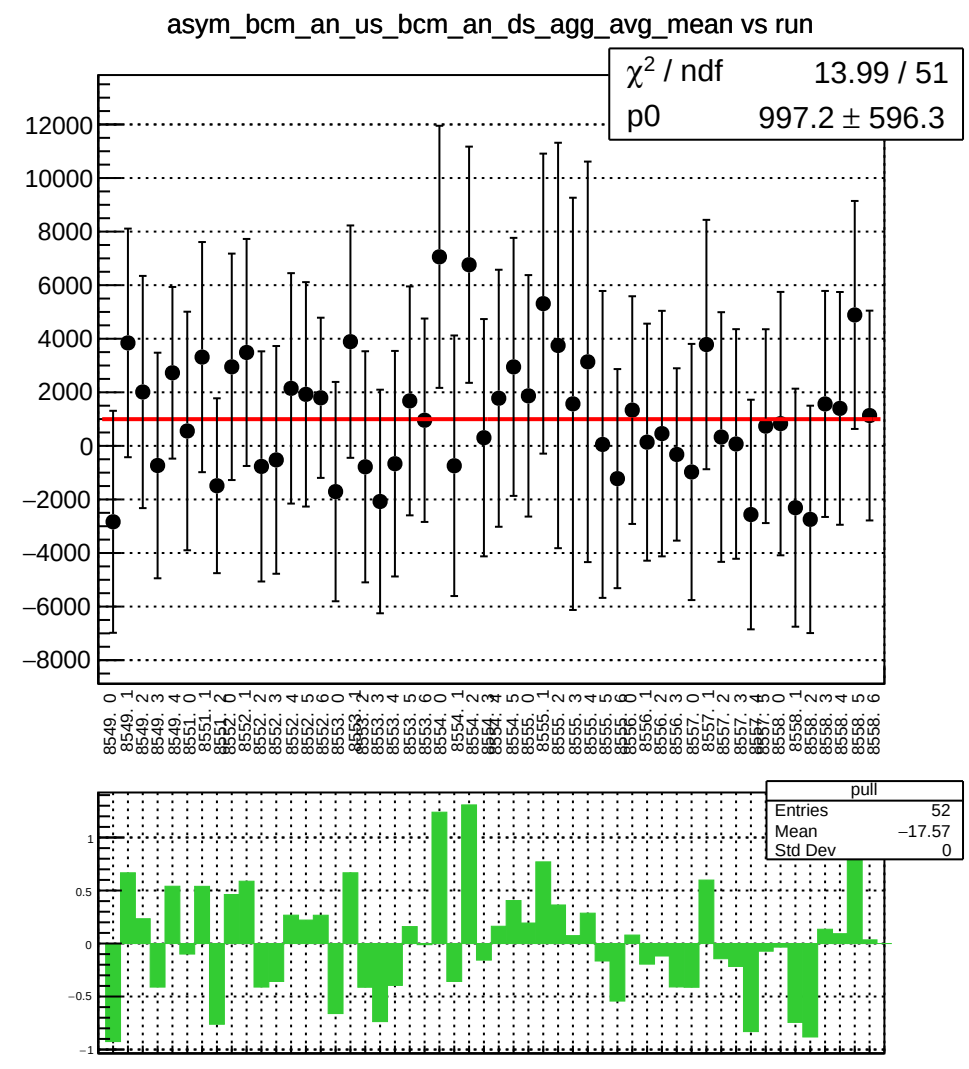

pull1D
Entries 52
Mean −0.5915
Std Dev 4.362
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

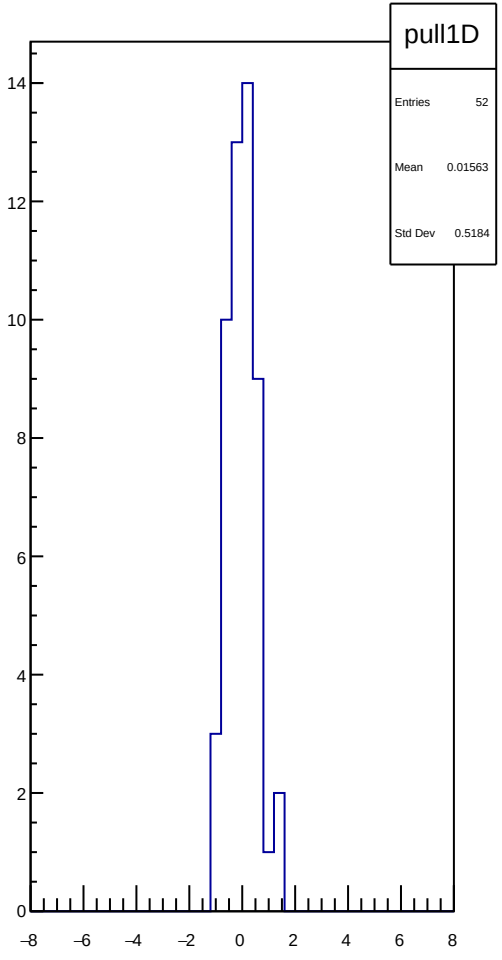

yield_atr1_rms vs run
×10⁻³
χ² / ndf 5.728e+04 / 51
p0 0.0002424 ± 2.462e−07
0.9
0.8
0.7
0.6
0.5
0.4
0.3
0.2
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

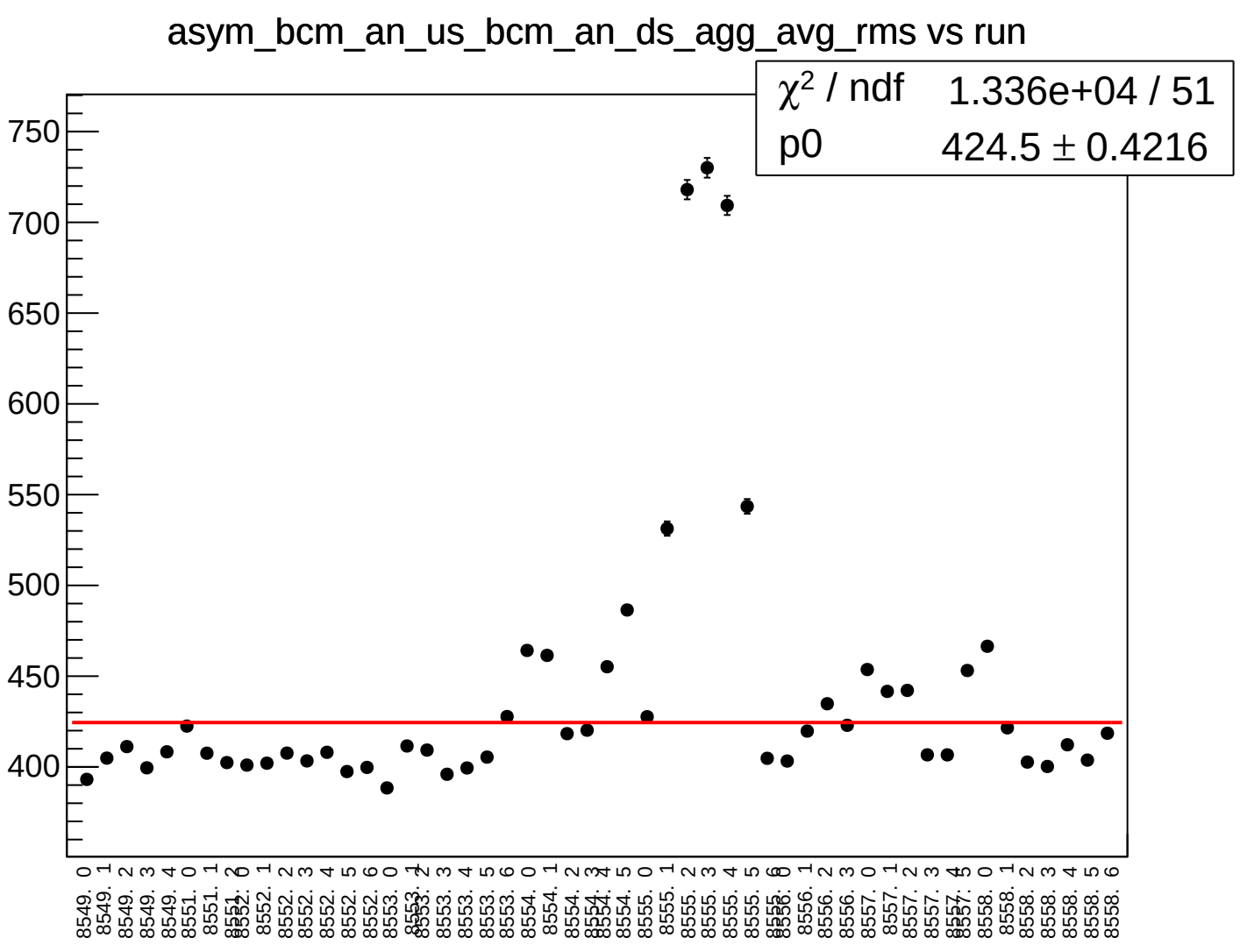

yield_atr2_mean vs run
χ² / ndf 188.4 / 51
p0 0.0003547 ± 2.092e−08
×10⁻³
0.3556
0.3554
0.3552
0.355
0.3548
0.3546
0.3544
0.3542
0.354
0.3538
pull
Entries 52
Mean 674
Std Dev 0

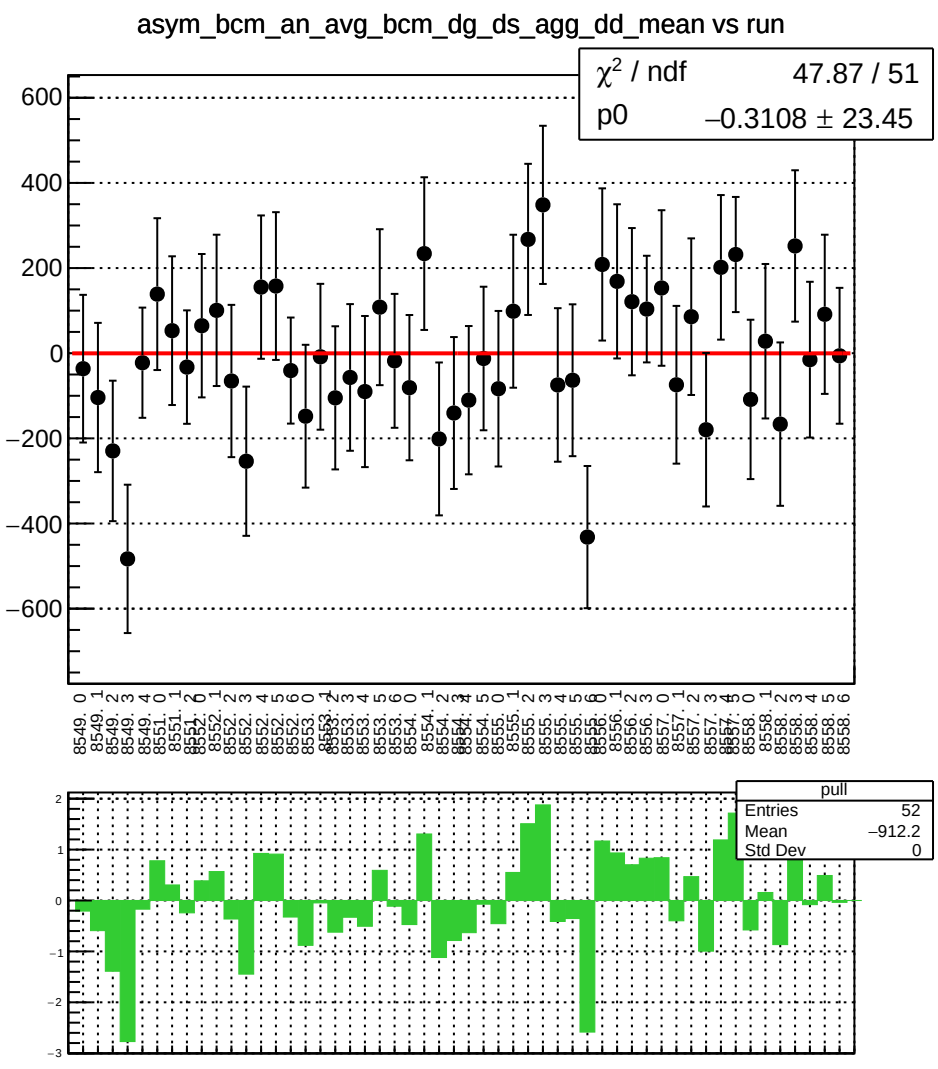

pull1D
Entries 52
Mean 0.01191
Std Dev 1.903

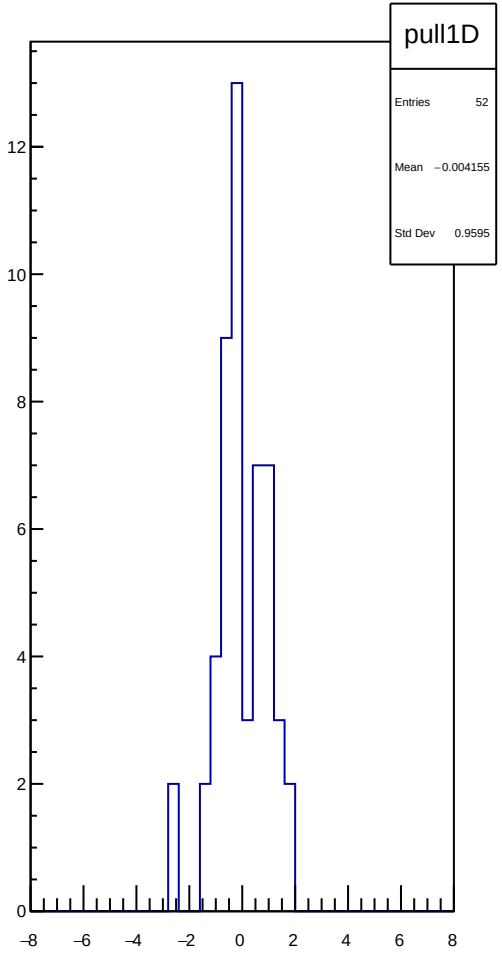

yield_atr2_rms vs run
×10⁻⁶
χ² / ndf 451.2 / 51
p0 1.498e−05 ± 1.479e−08
16.2
16
15.8
15.6
15.4
15.2
15
14.8
14.6
14.4
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

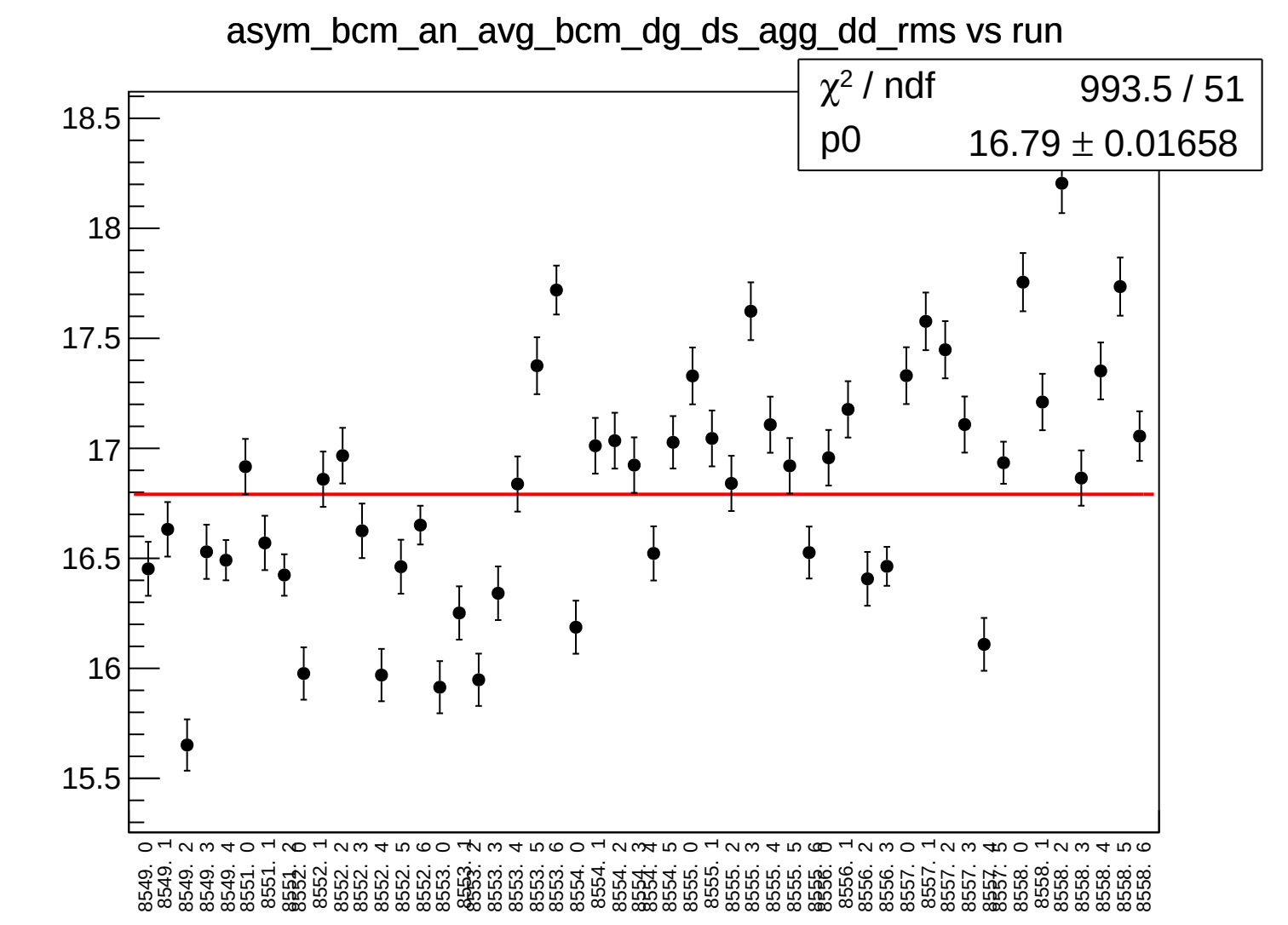

asym_bcm_an_us_bcm_an_ds_agg_avg_mean vs run
χ² / ndf 13.99 / 51
p0 997.2 ± 596.3
pull
Entries 52
Mean −17.57
Std Dev 0

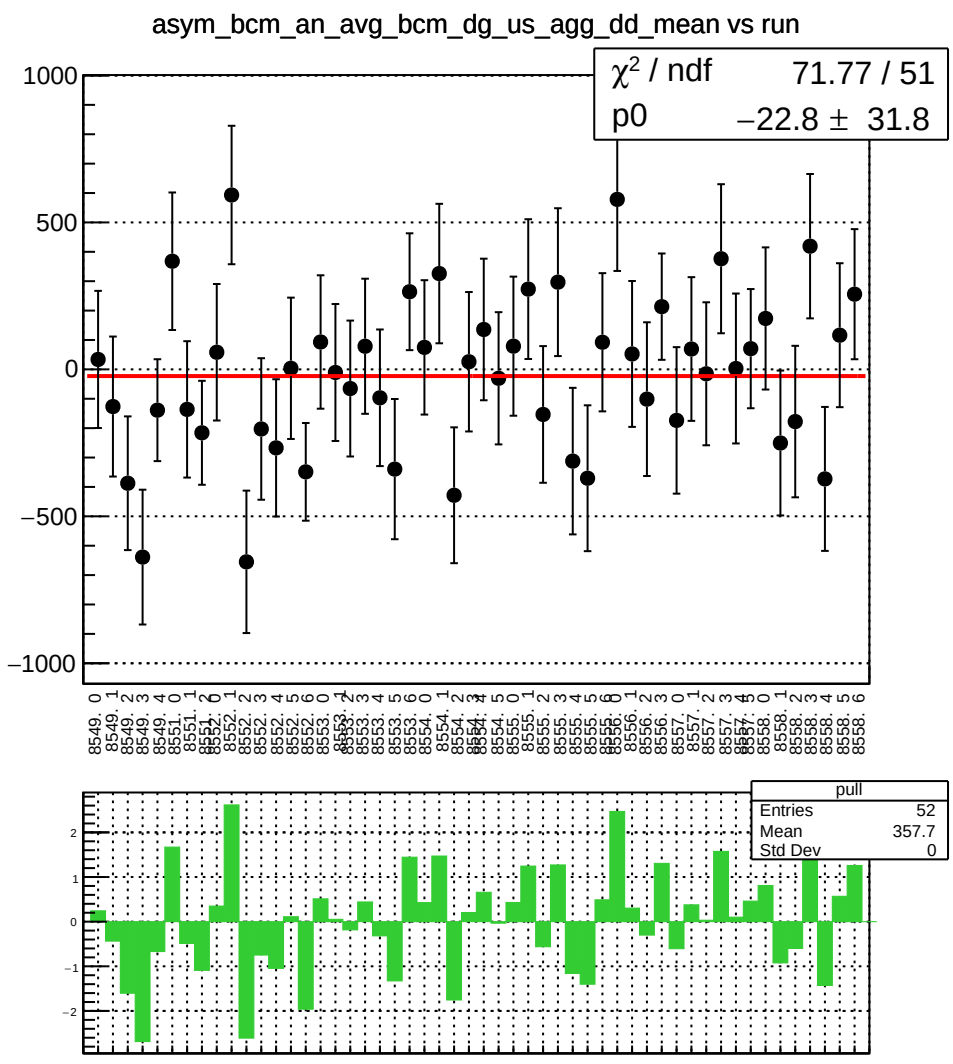

pull1D
Entries 52
Mean 0.01563
Std Dev 0.5184

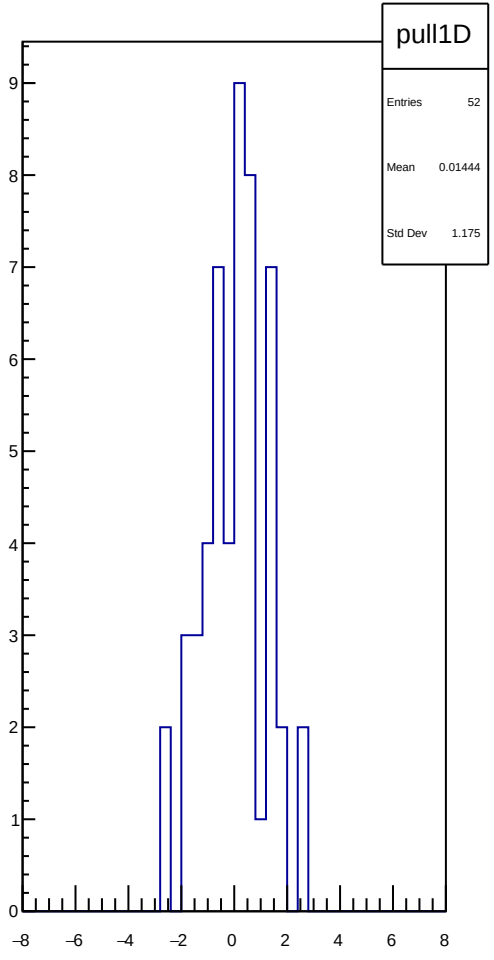

asym_bcm_an_us_bcm_an_ds_agg_avg_rms vs run
χ² / ndf 1.336e+04 / 51
p0 424.5 ± 0.4216
750
700
650
600
550
500
450
400
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 5
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

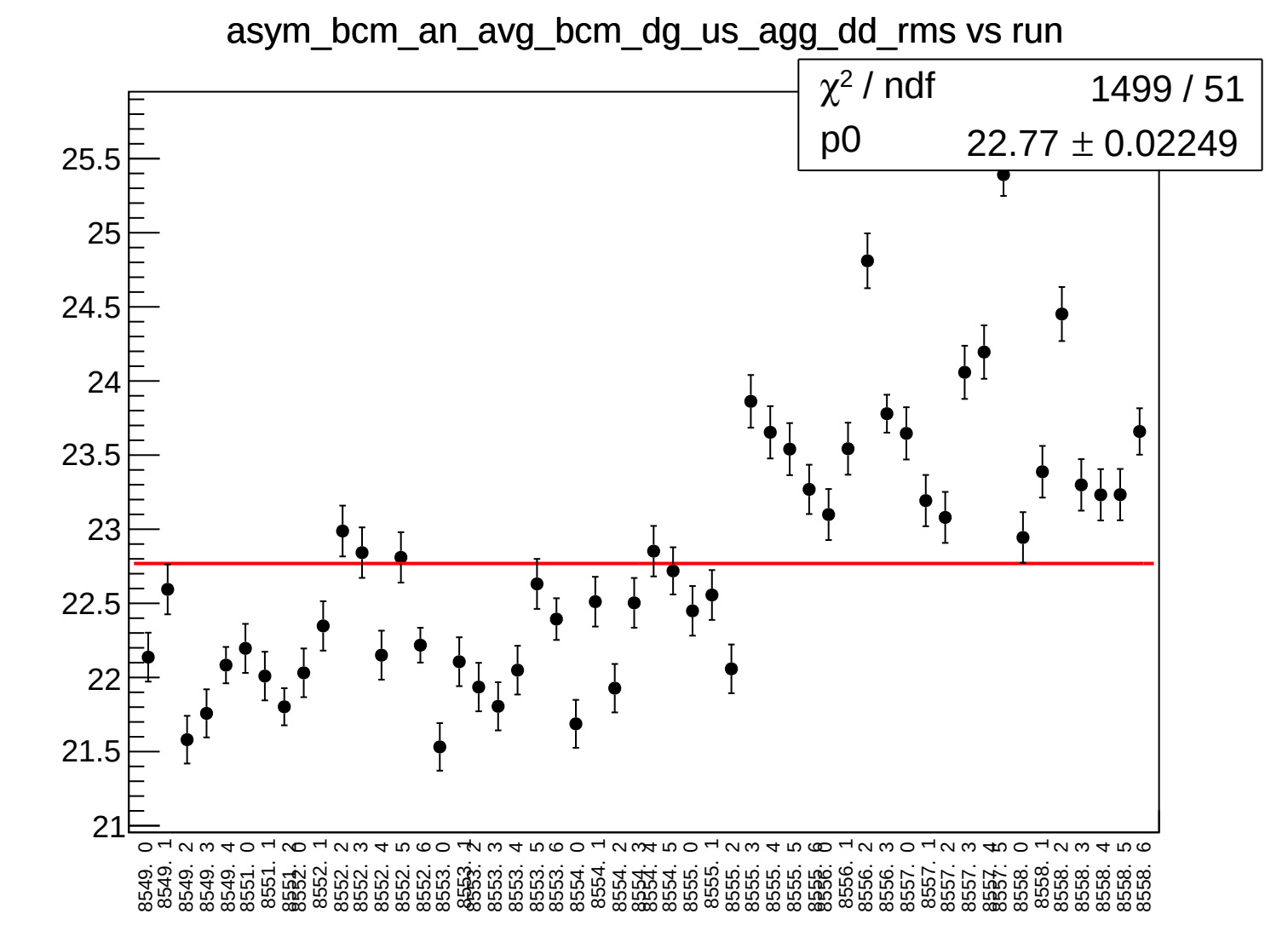

asym_bcm_an_avg_bcm_dg_ds_agg_dd_mean vs run
χ² / ndf 47.87 / 51
p0 −0.3108 ± 23.45
pull
Entries 52
Mean −912.2
Std Dev 0

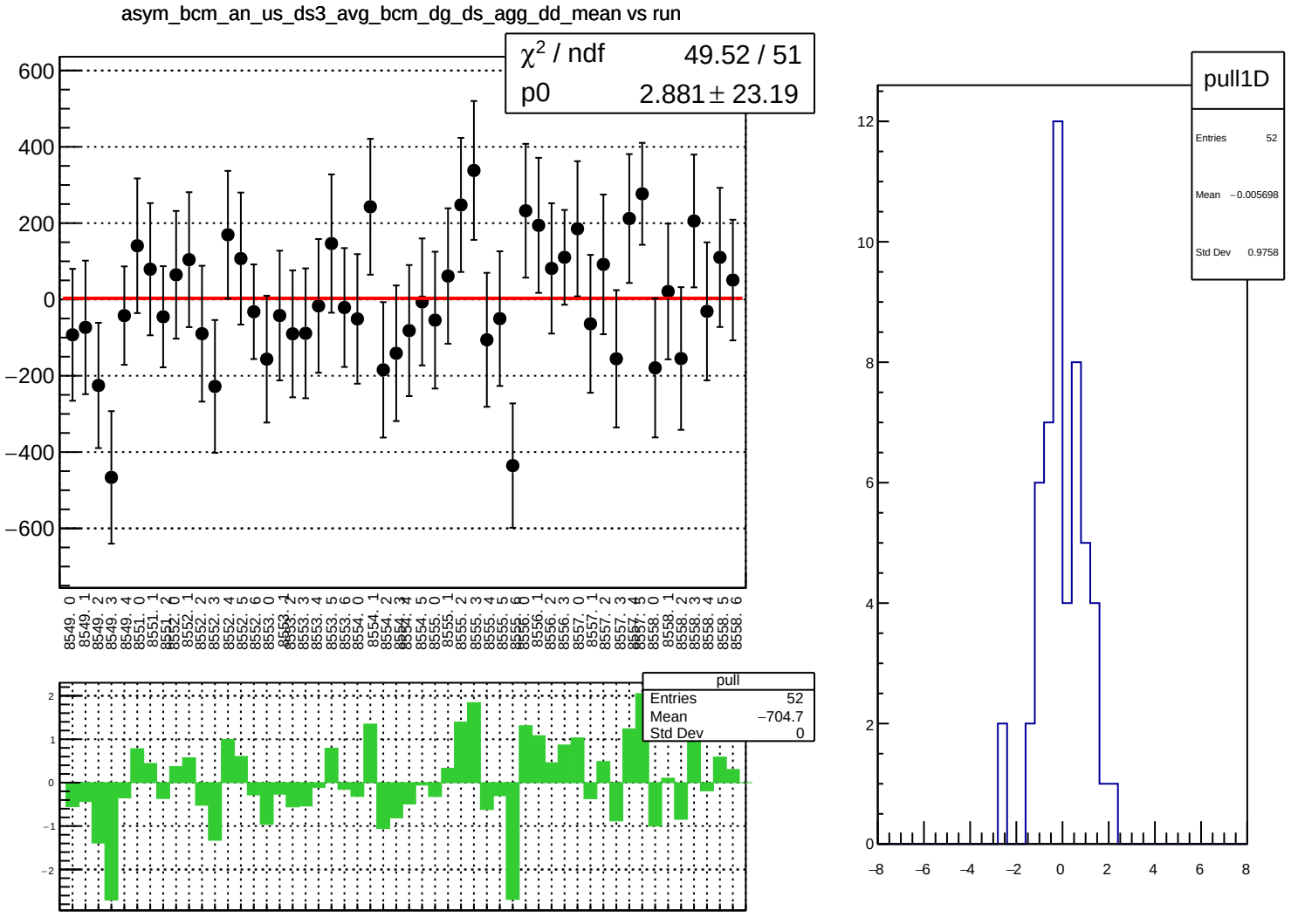

pull1D
Entries 52
Mean −0.004155
Std Dev 0.9595

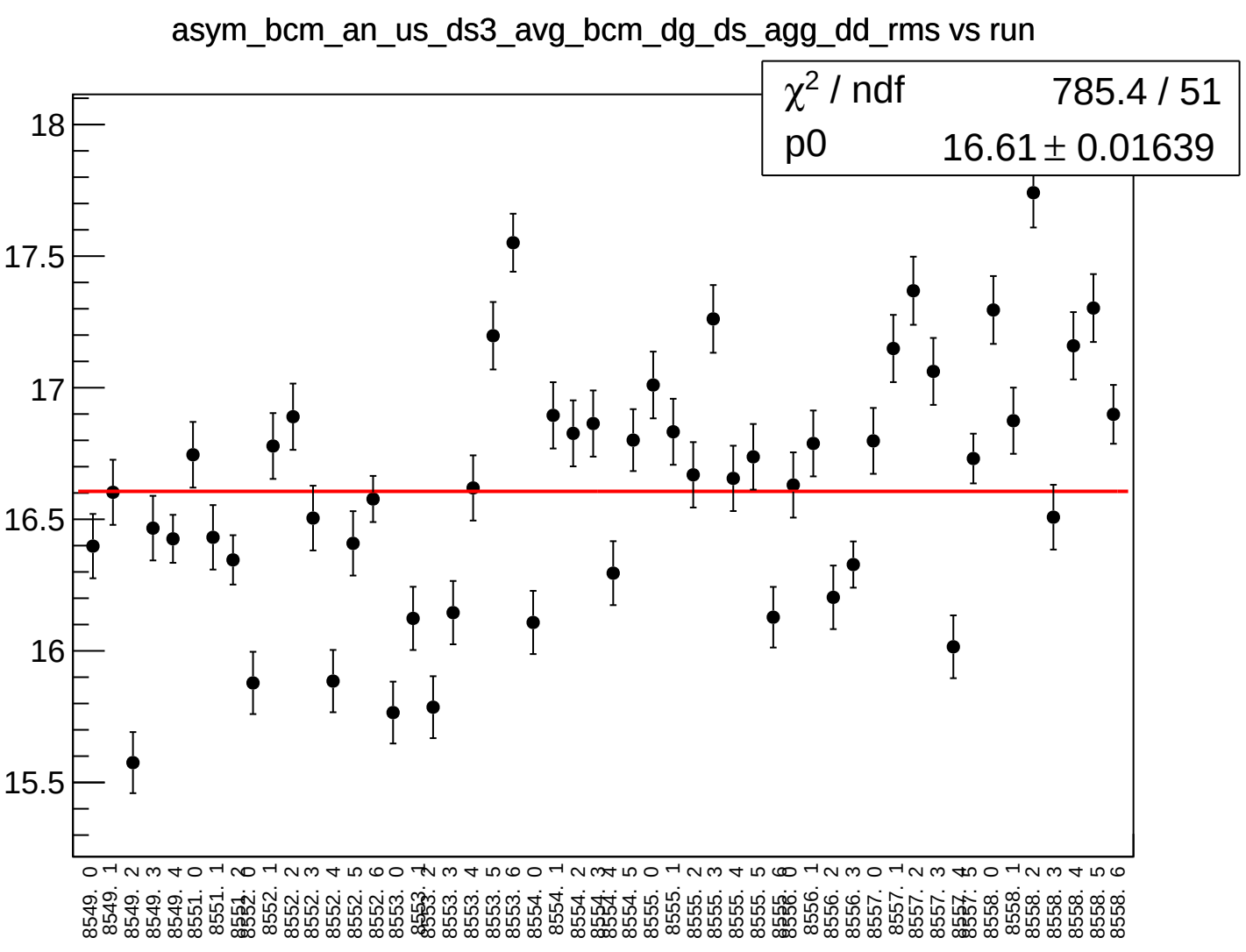

asym_bcm_an_avg_bcm_dg_ds_agg_dd_rms vs run
χ² / ndf 993.5 / 51
p0 16.79 ± 0.01658
18.5
18
17.5
17
16.5
16
15.5
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 5
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

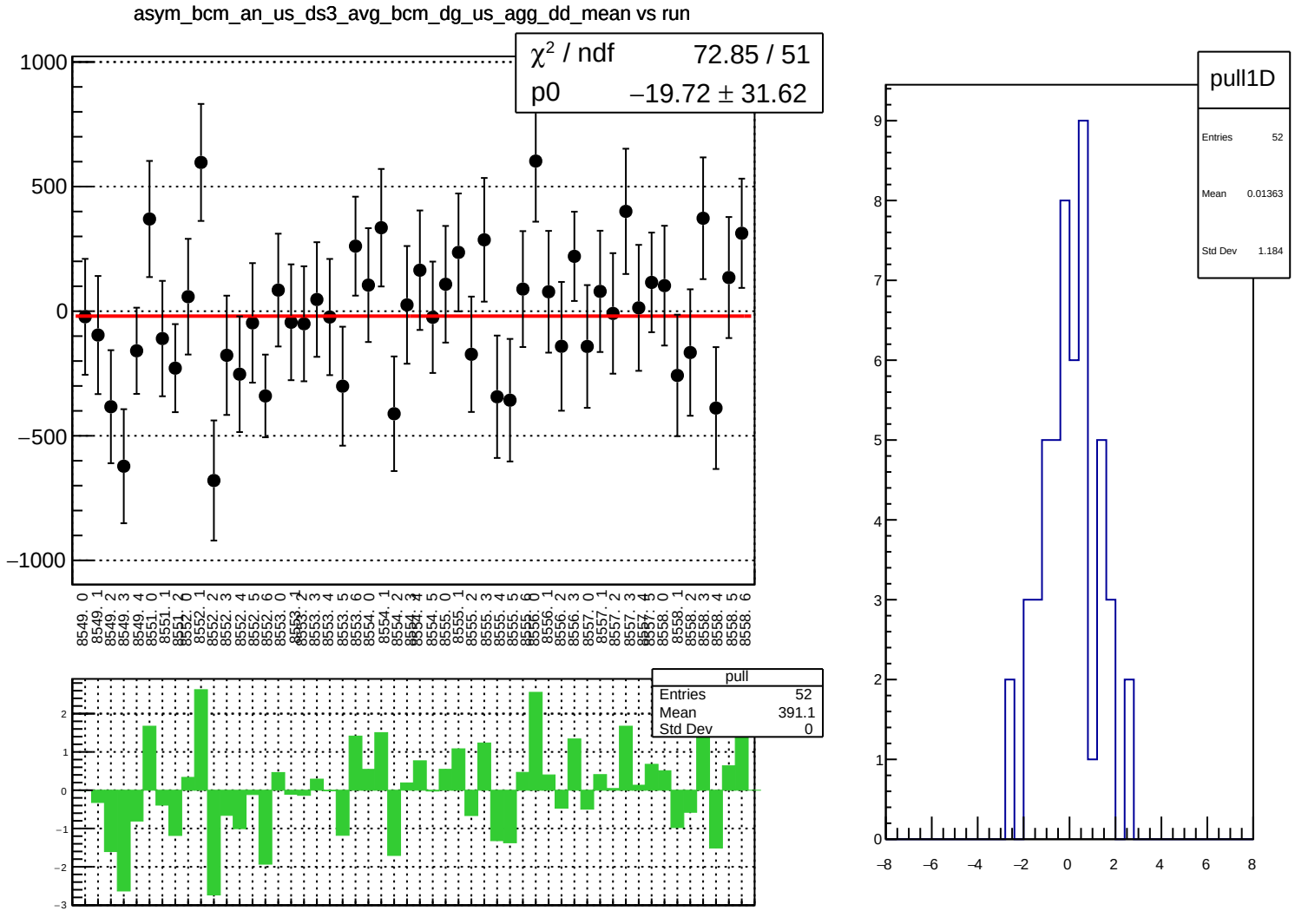

asym_bcm_an_avg_bcm_dg_us_agg_dd_mean vs run
χ² / ndf 71.77 / 51
p0 −22.8 ± 31.8
1000
500
0
−500
−1000
pull
Entries 52
Mean 357.7
Std Dev 0
2
1
0
−1
−2

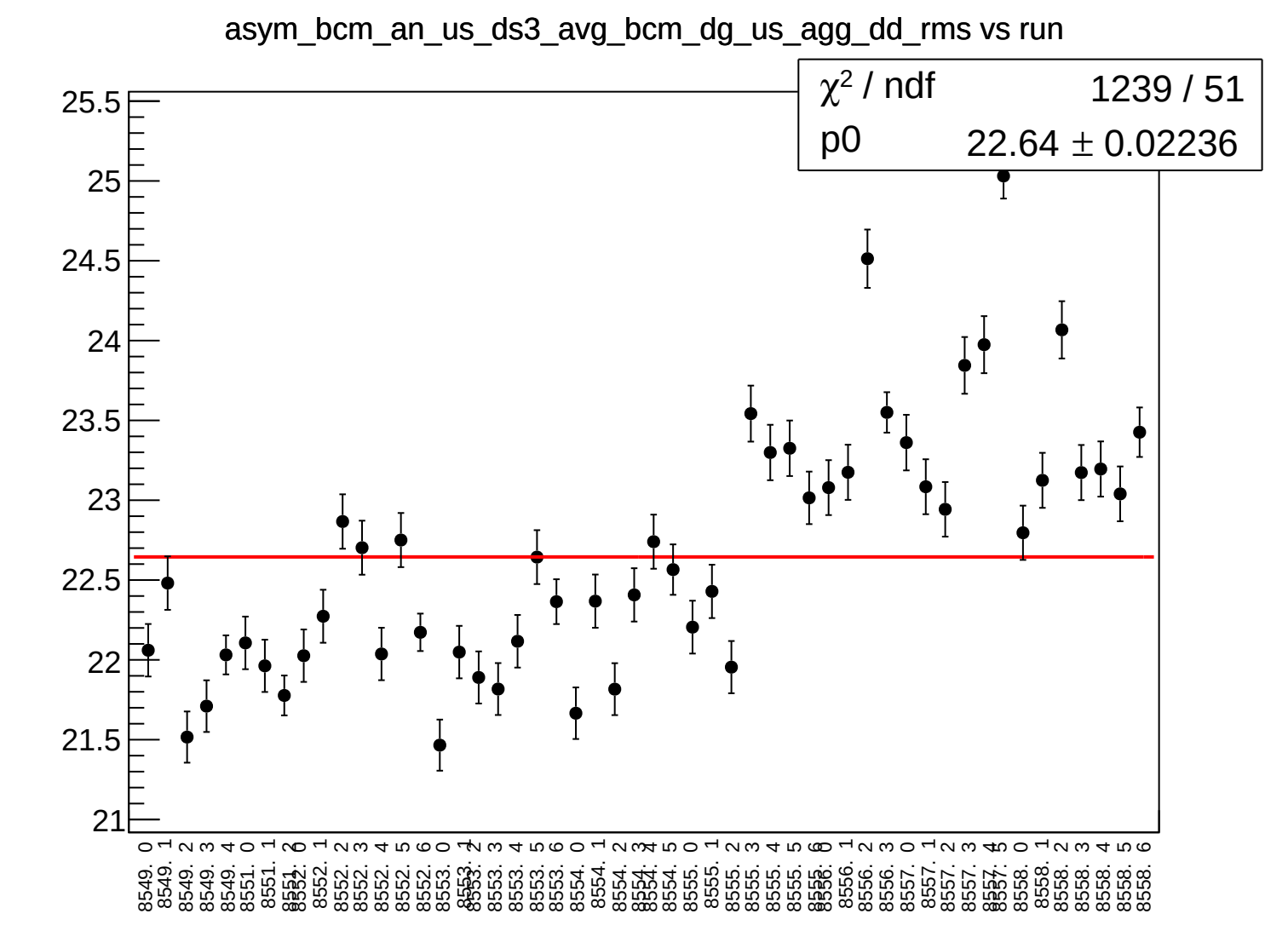

pull1D
Entries 52
Mean 0.01444
Std Dev 1.175
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

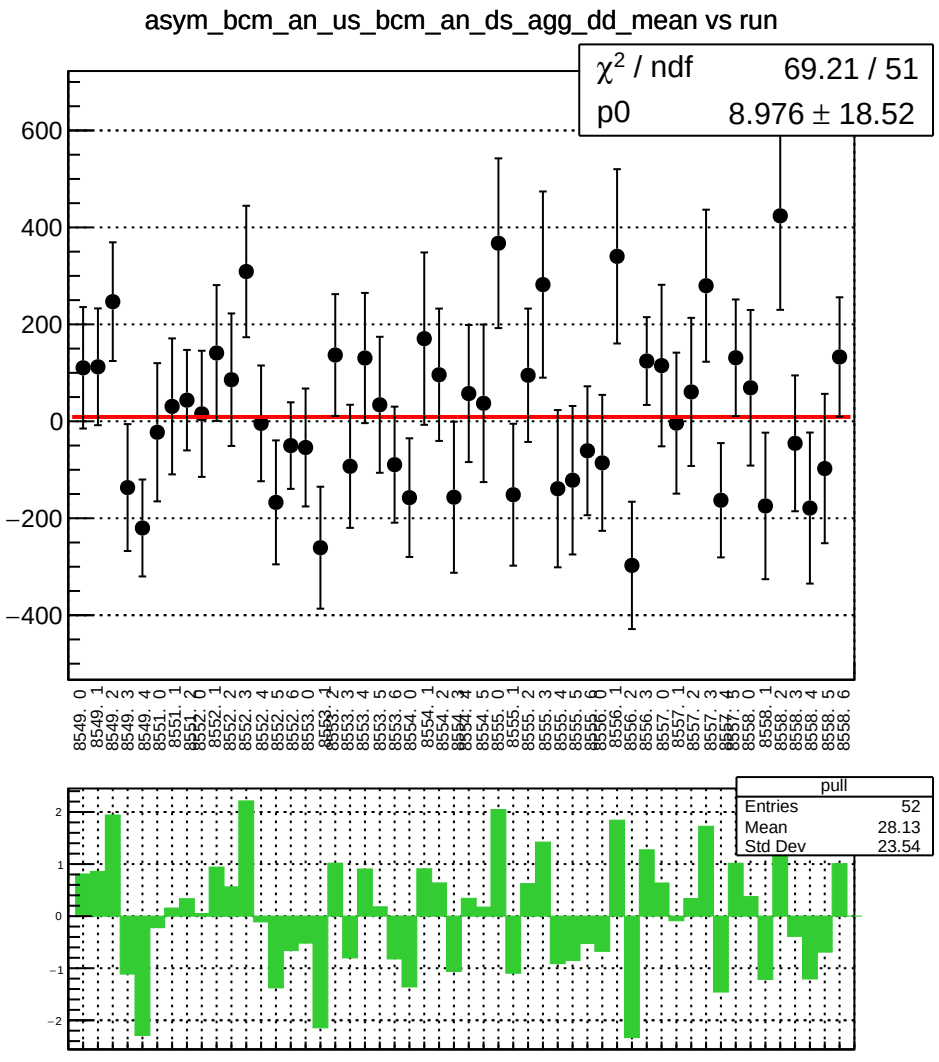

asym_bcm_an_avg_bcm_dg_us_agg_dd_rms vs run
χ² / ndf 1499 / 51
p0 22.77 ± 0.02249
25.5
25
24.5
24
23.5
23
22.5
22
21.5
21
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

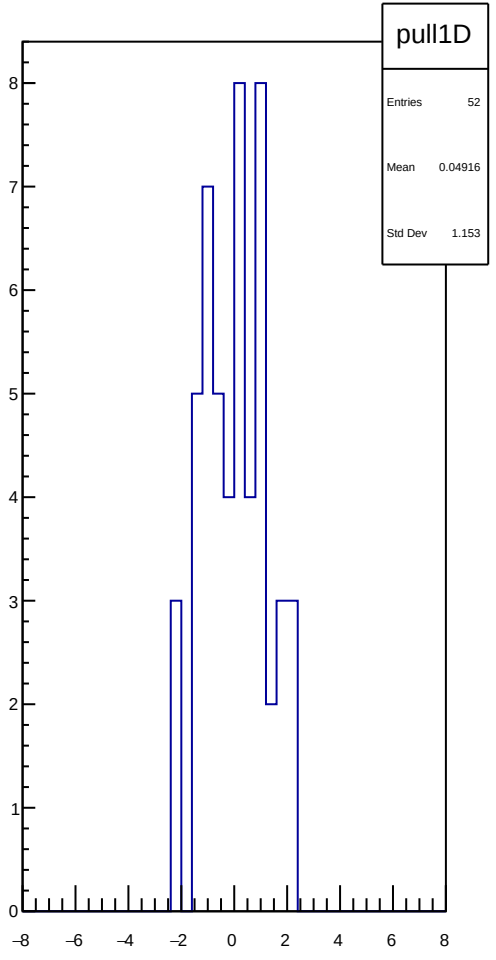

asym_bcm_an_us_ds3_avg_bcm_dg_ds_agg_dd_mean vs run
χ² / ndf 49.52 / 51
p0 2.881 ± 23.19
600
400
200
0
−200
−400
−600
pull
Entries 52
Mean −704.7
Std Dev 0
2
1
0
−1
−2
pull1D
Entries 52
Mean −0.005698
Std Dev 0.9758
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

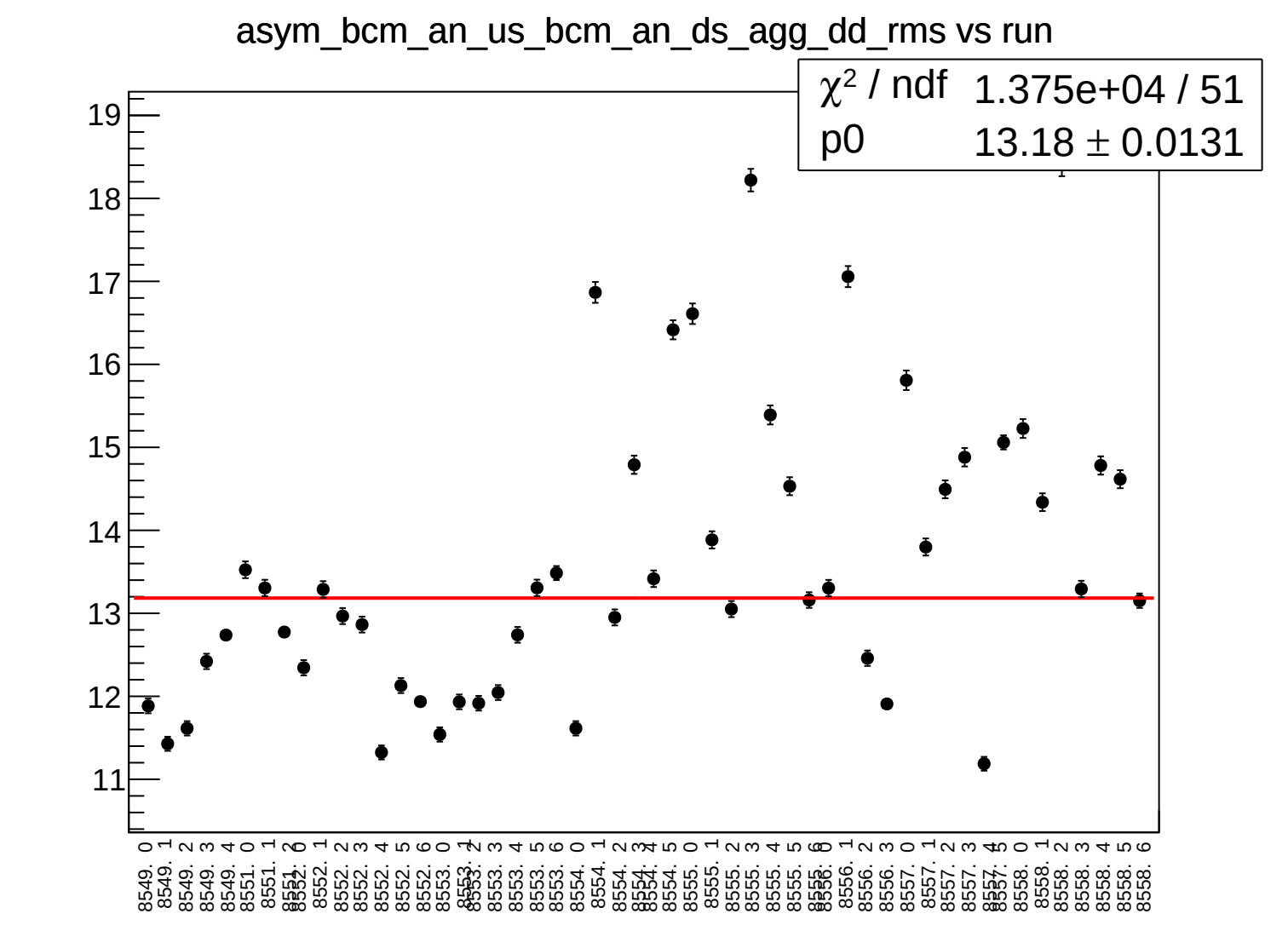

asym_bcm_an_us_ds3_avg_bcm_dg_ds_agg_dd_rms vs run
χ² / ndf 785.4 / 51
p0 16.61 ± 0.01639
18
17.5
17
16.5
16
15.5
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 5
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

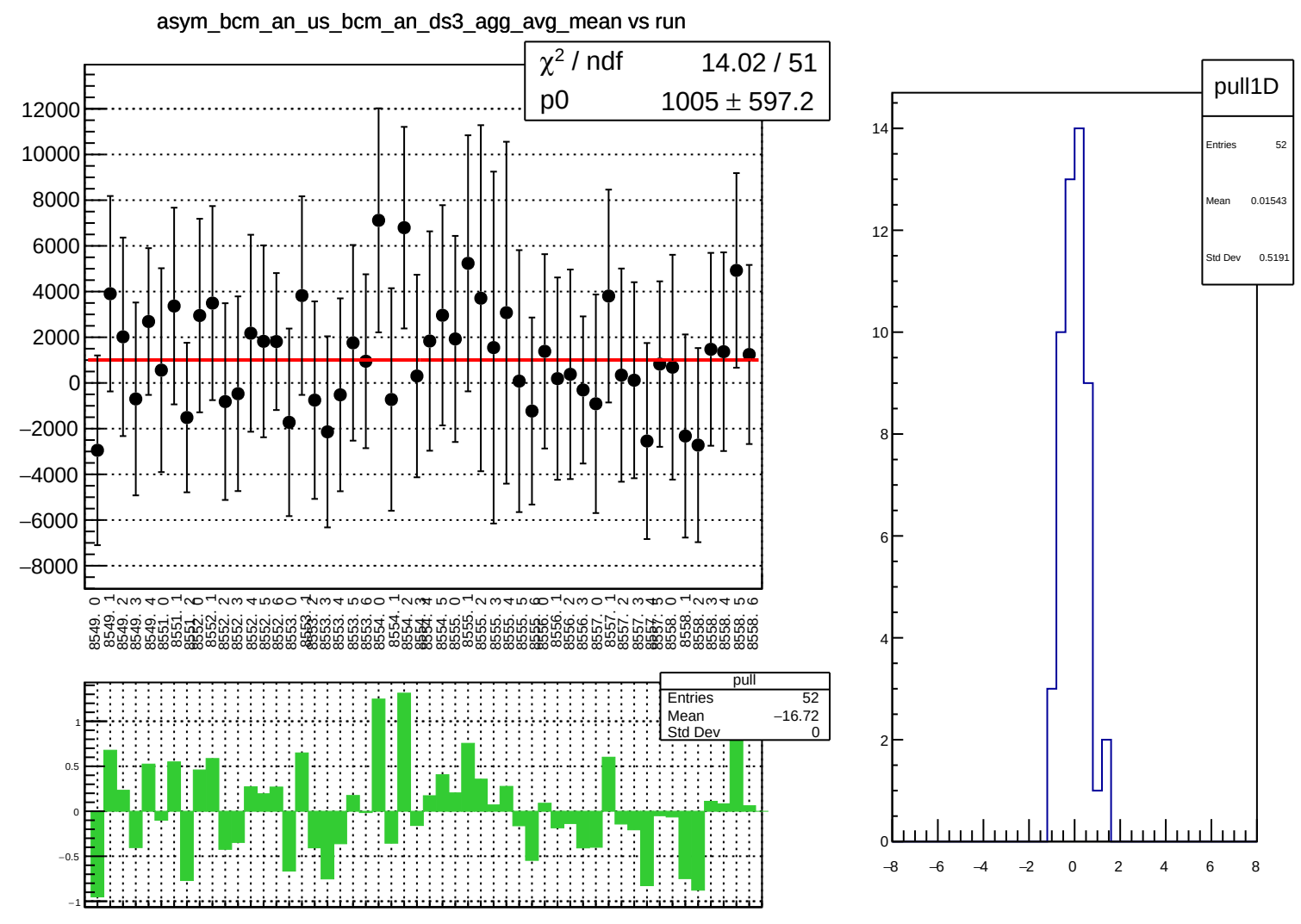

asym_bcm_an_us_ds3_avg_bcm_dg_us_agg_dd_mean vs run
χ² / ndf 72.85 / 51
p0 −19.72 ± 31.62
1000
500
0
−500
−1000
pull
Entries 52
Mean 391.1
Std Dev 0
pull1D
Entries 52
Mean 0.01363
Std Dev 1.184

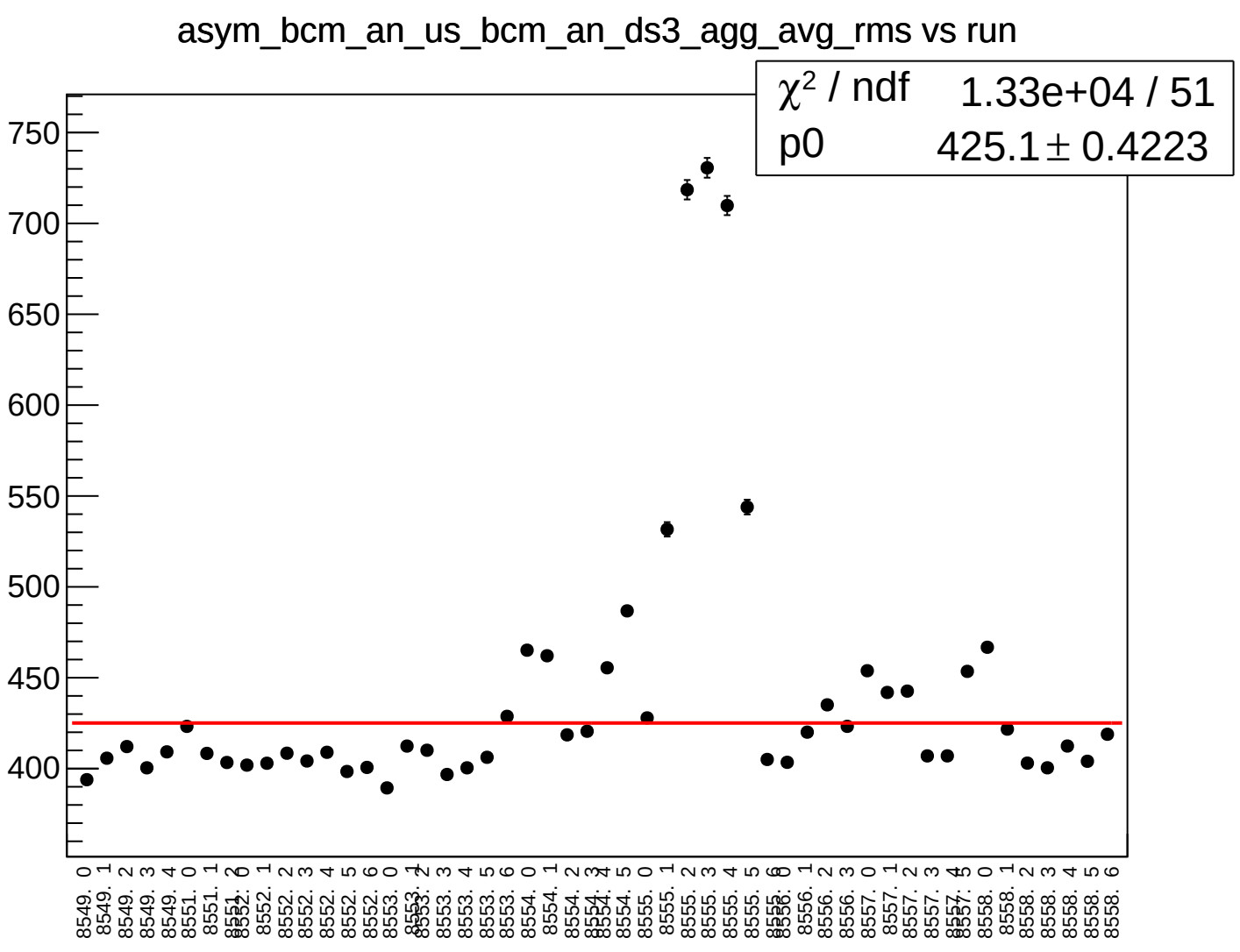

asym_bcm_an_us_ds3_avg_bcm_dg_us_agg_dd_rms vs run
χ² / ndf 1239 / 51
p0 22.64 ± 0.02236
25.5
25
24.5
24
23.5
23
22.5
22
21.5
21

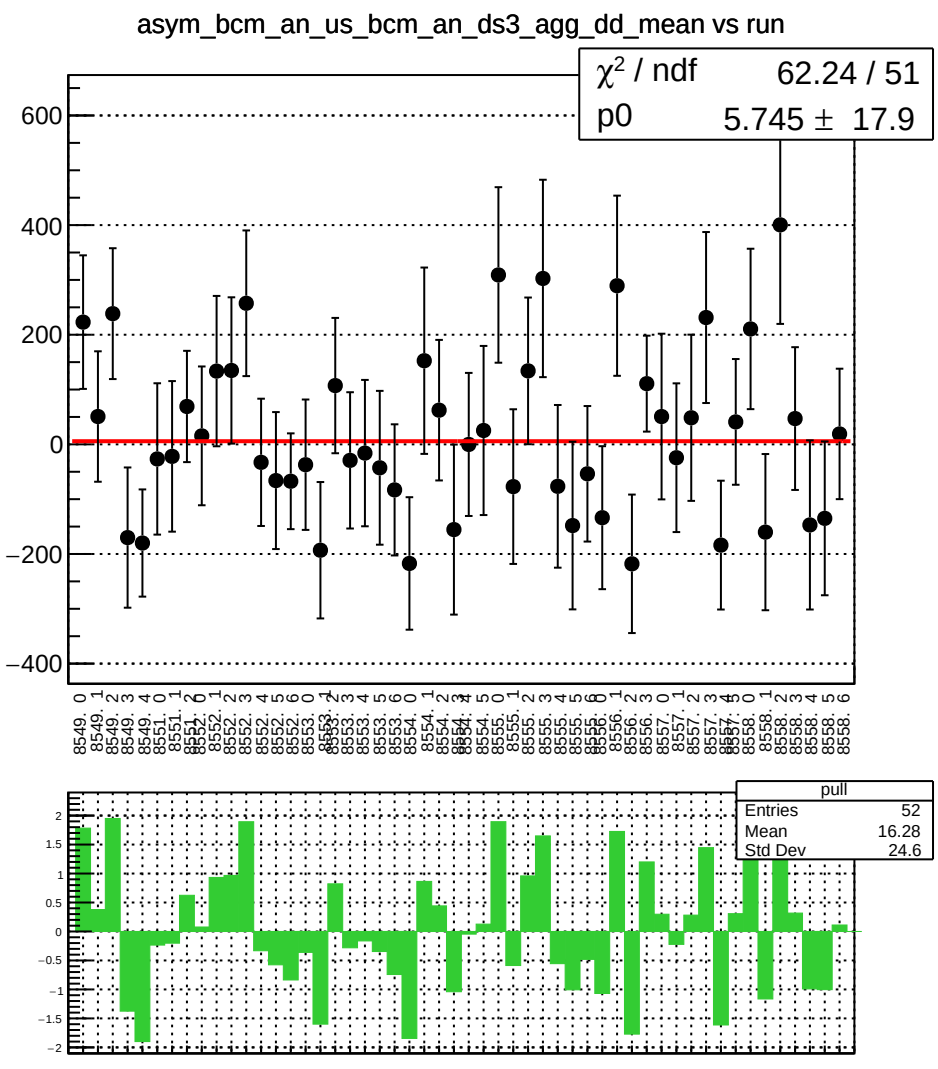

asym_bcm_an_us_bcm_an_ds_agg_dd_mean vs run
χ² / ndf 69.21 / 51
p0 8.976 ± 18.52
pull
Entries 52
Mean 28.13
Std Dev 23.54

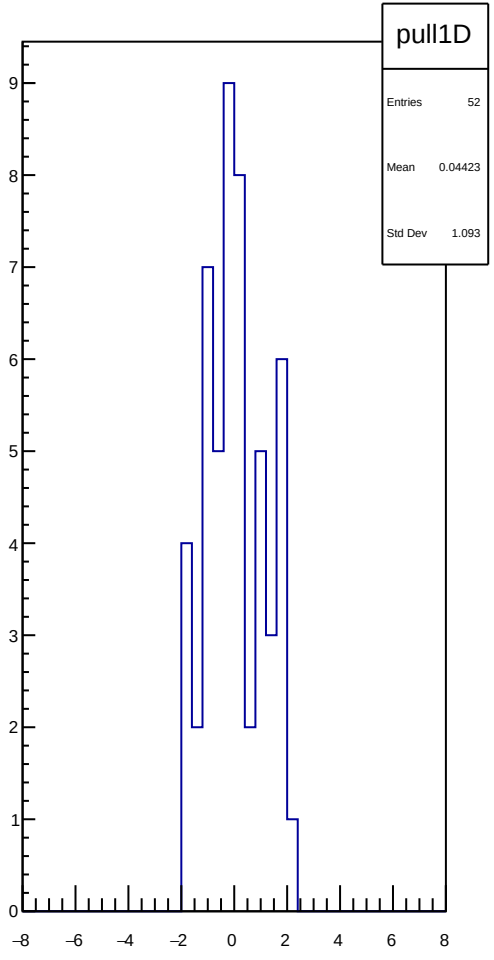

pull1D
Entries 52
Mean 0.04916
Std Dev 1.153

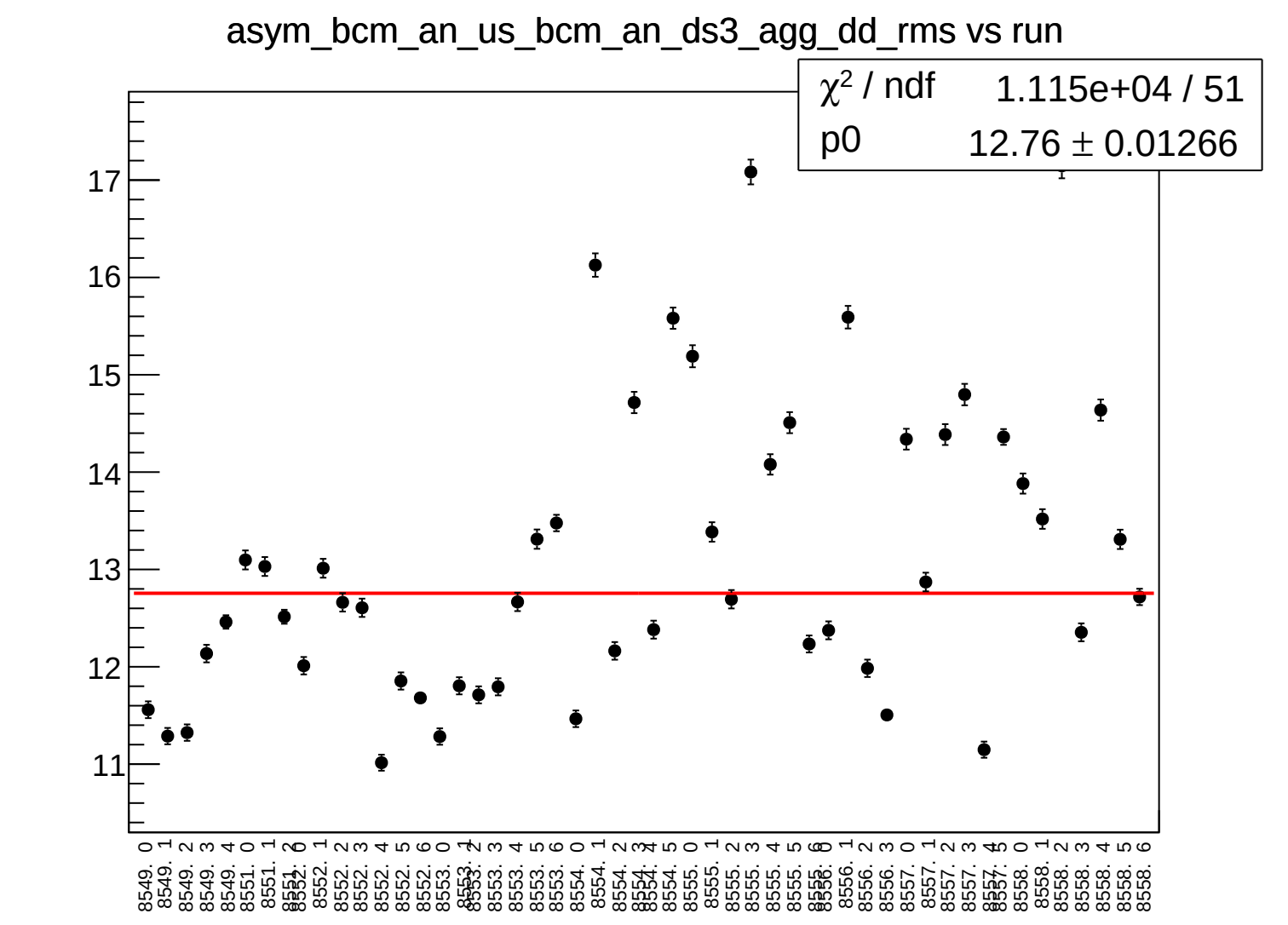

asym_bcm_an_us_bcm_an_ds_agg_dd_rms vs run
χ² / ndf 1.375e+04 / 51
p0 13.18 ± 0.0131
19
18
17
16
15
14
13
12
11
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 5
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

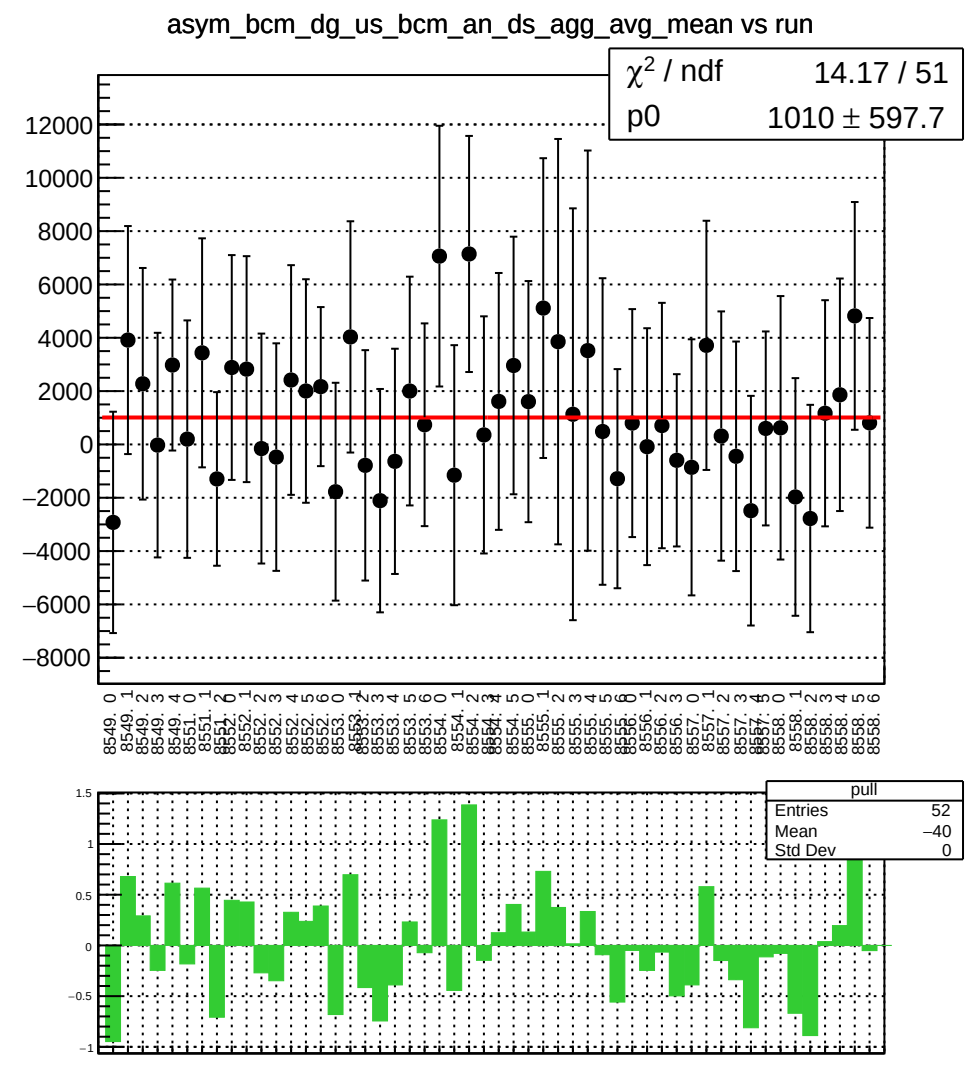

asym_bcm_an_us_bcm_an_ds3_agg_avg_mean vs run
χ² / ndf 14.02 / 51
p0 1005 ± 597.2
pull
Entries 52
Mean −16.72
Std Dev 0
pull1D
Entries 52
Mean 0.01543
Std Dev 0.5191

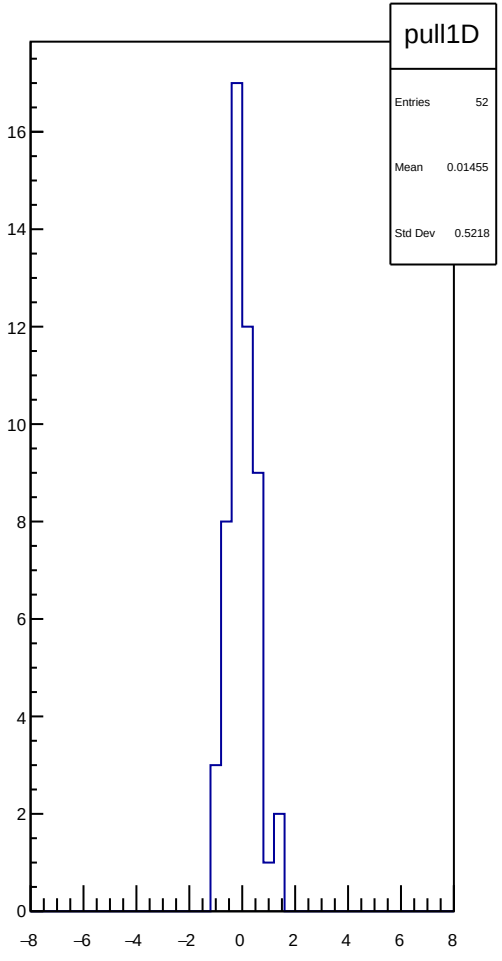

asym_bcm_an_us_bcm_an_ds3_agg_avg_rms vs run
χ² / ndf 1.33e+04 / 51
p0 425.1 ± 0.4223
750
700
650
600
550
500
450
400
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

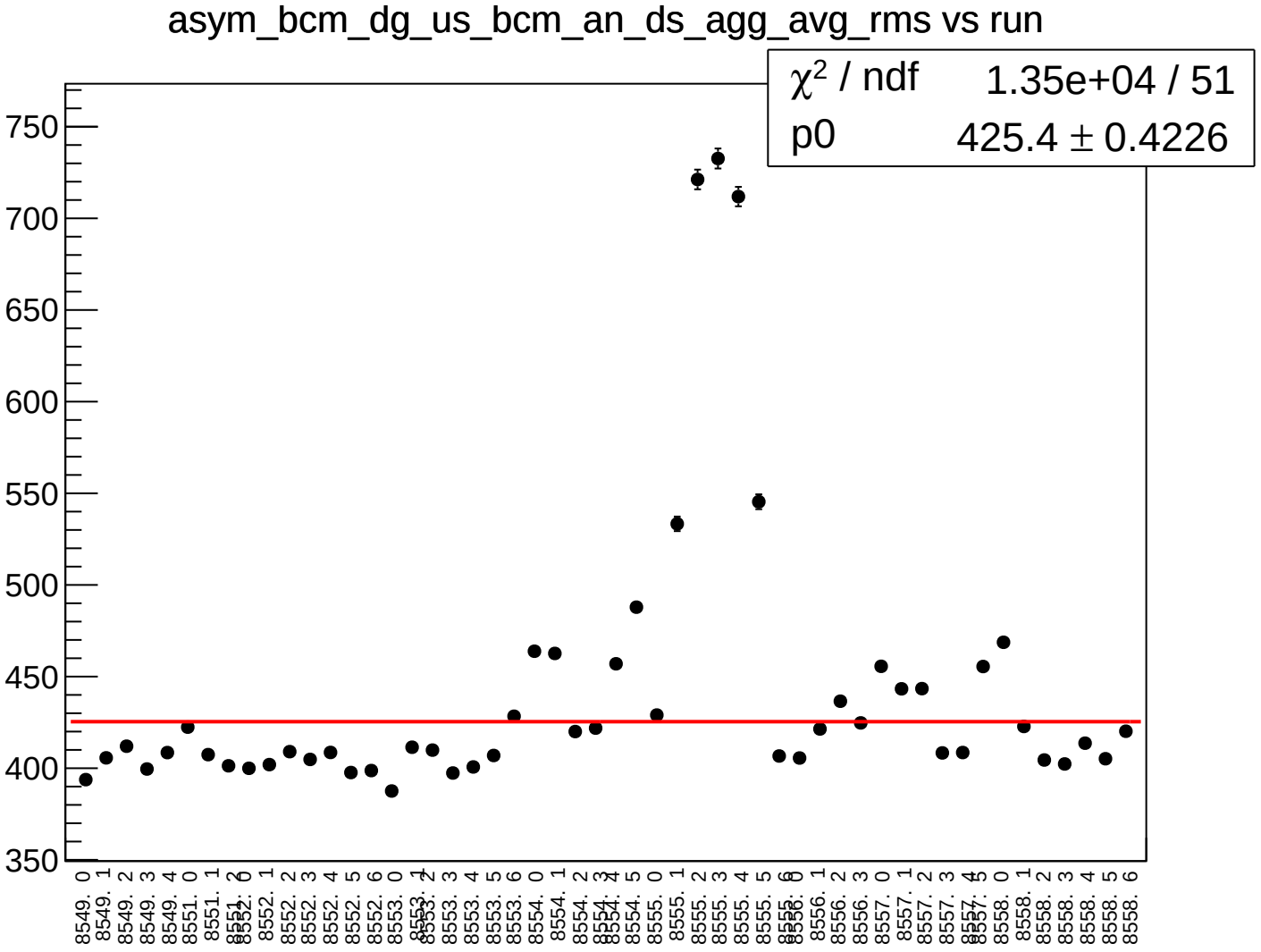

asym_bcm_an_us_bcm_an_ds3_agg_dd_mean vs run
χ² / ndf 62.24 / 51
p0 5.745 ± 17.9
pull
Entries 52
Mean 16.28
Std Dev 24.6

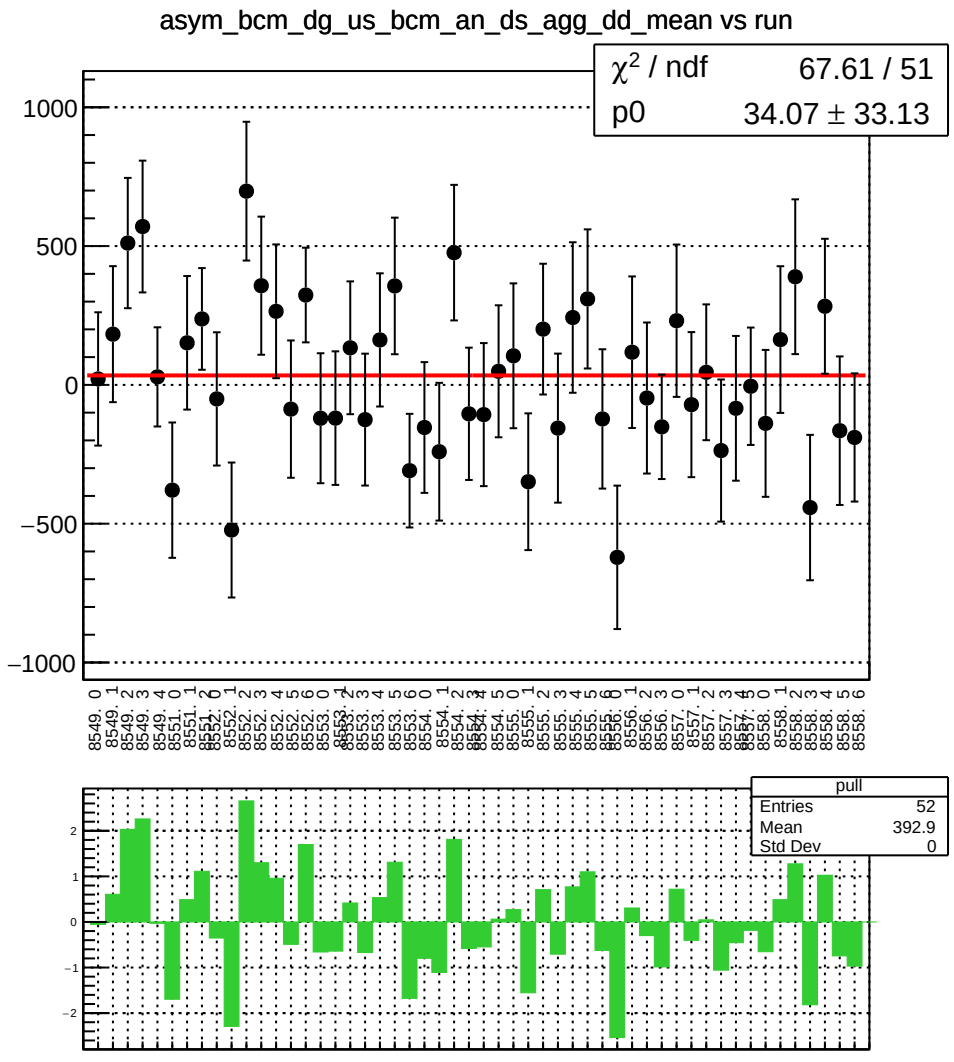

pull1D
Entries 52
Mean 0.04423
Std Dev 1.093

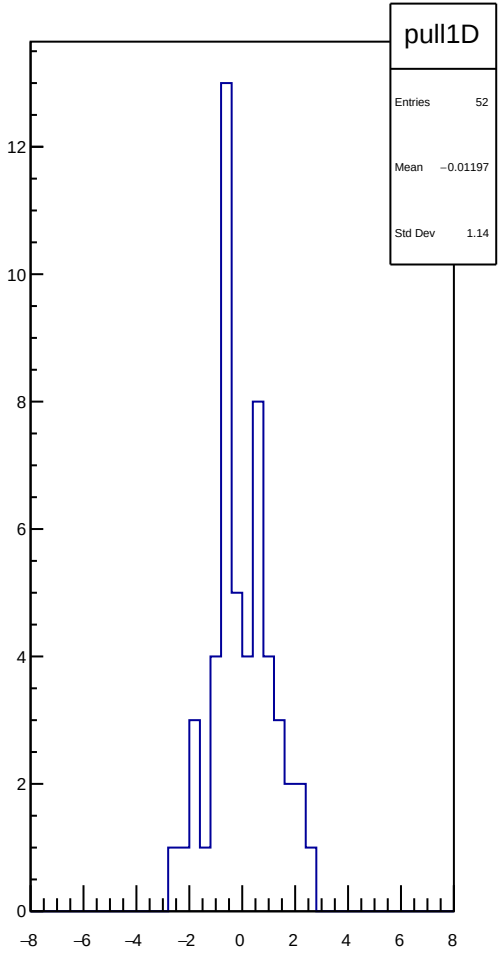

asym_bcm_an_us_bcm_an_ds3_agg_dd_rms vs run
χ² / ndf 1.115e+04 / 51
p0 12.76 ± 0.01266
17
16
15
14
13
12
11
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 5
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

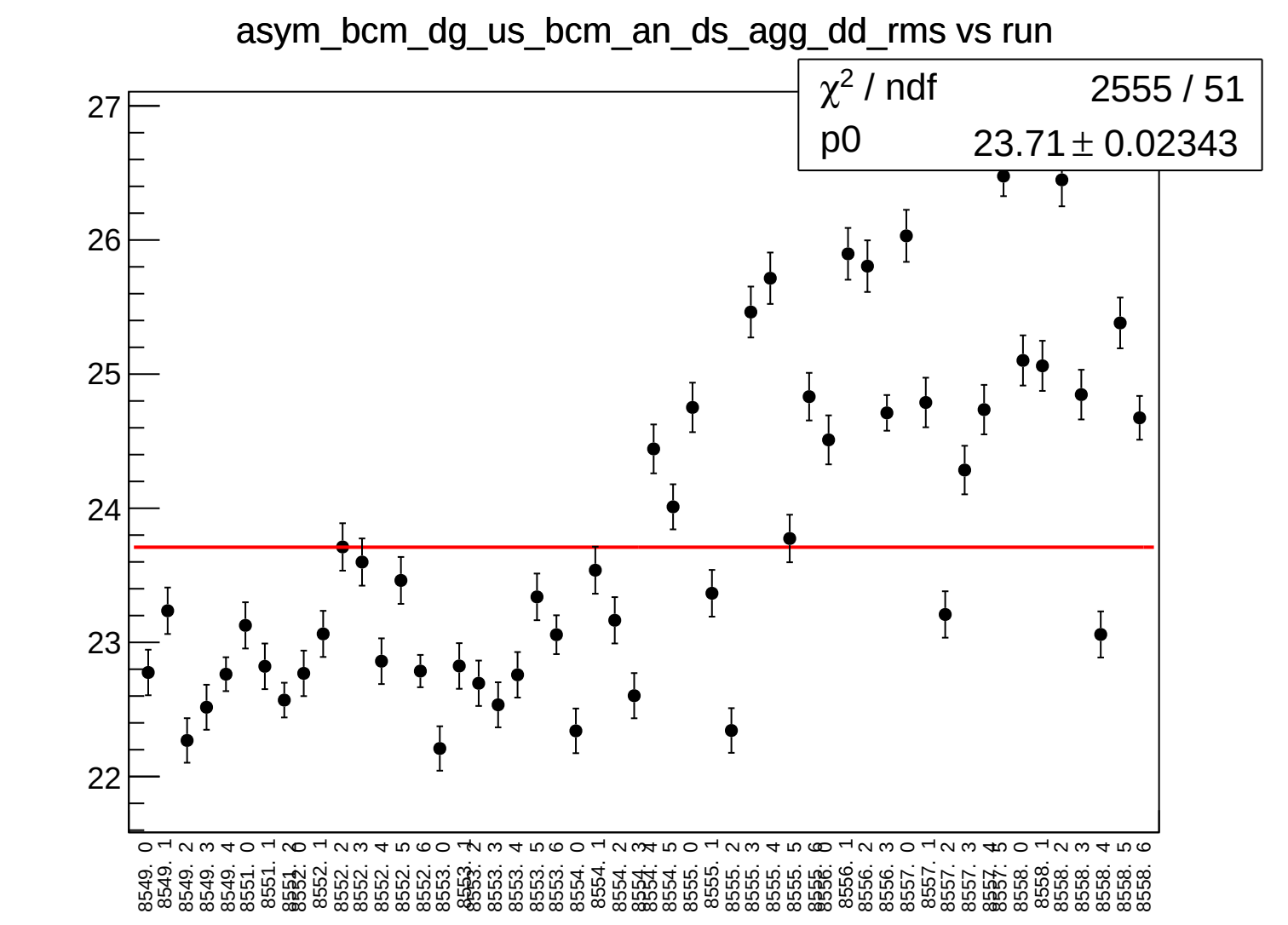

asym_bcm_dg_us_bcm_an_ds_agg_avg_mean vs run
χ² / ndf 14.17 / 51
p0 1010 ± 597.7
pull
Entries 52
Mean −40
Std Dev 0


pull1D
Entries 52
Mean 0.01455
Std Dev 0.5218


asym_bcm_dg_us_bcm_an_ds_agg_avg_rms vs run
χ² / ndf 1.35e+04 / 51
p0 425.4 ± 0.4226
750
700
650
600
550
500
450
400
350
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 5
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6


asym_bcm_dg_us_bcm_an_ds_agg_dd_mean vs run
χ² / ndf 67.61 / 51
p0 34.07 ± 33.13
1000
500
0
−500
−1000
pull
Entries 52
Mean 392.9
Std Dev 0
2
1
0
−1
−2


pull1D
Entries 52
Mean −0.01197
Std Dev 1.14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


asym_bcm_dg_us_bcm_an_ds_agg_dd_rms vs run
χ² / ndf 2555 / 51
p0 23.71 ± 0.02343
27
26
25
24
23
22
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 5
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
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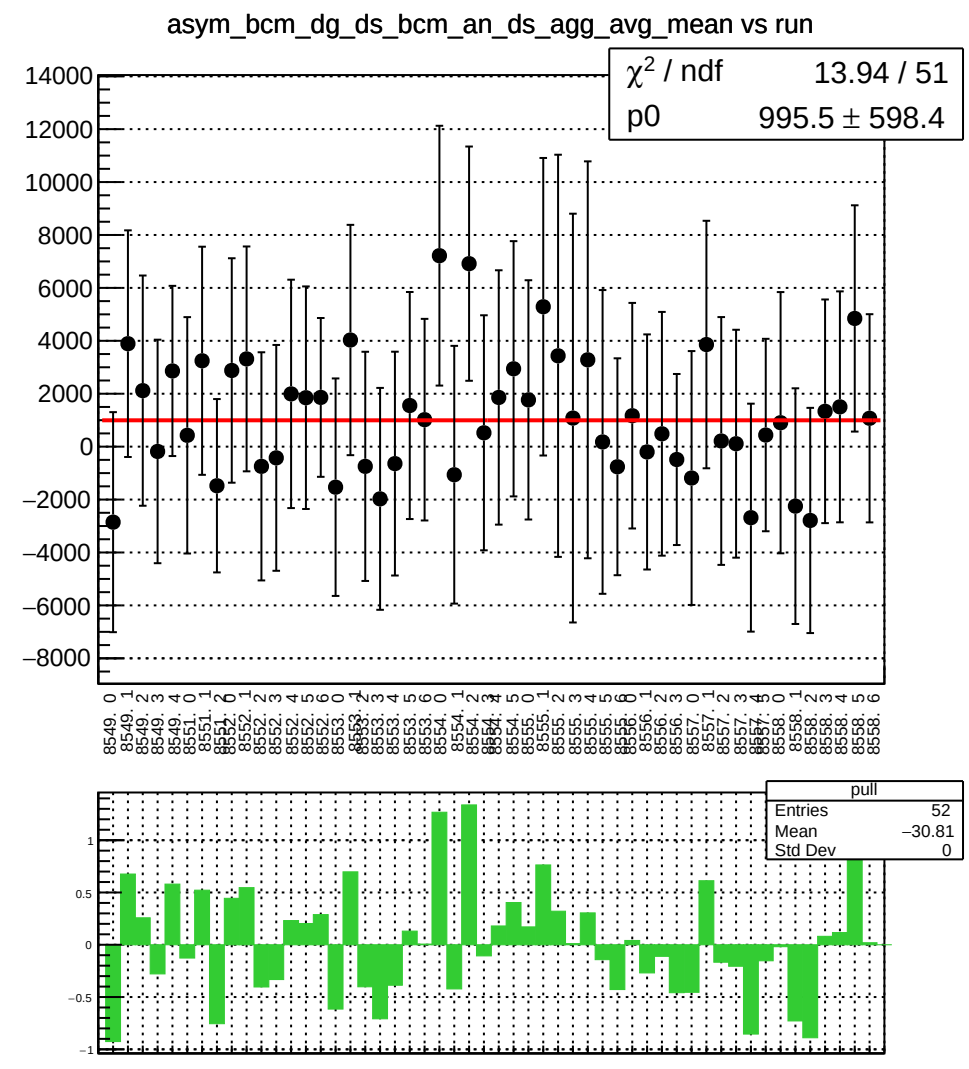
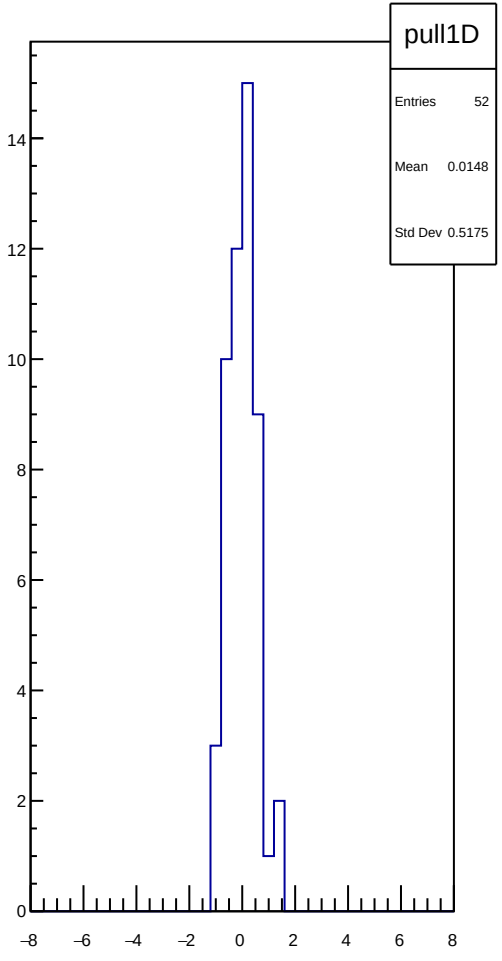
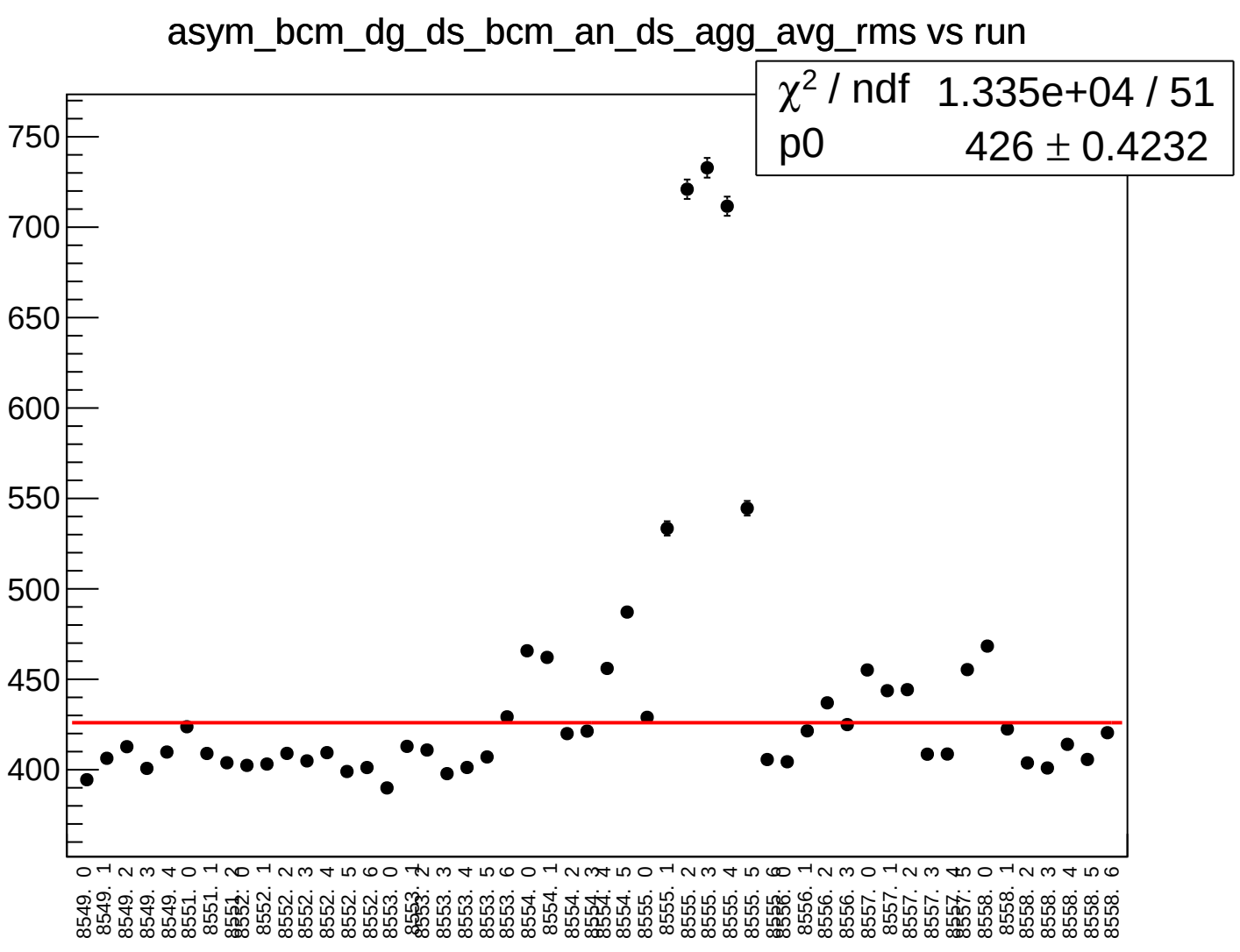
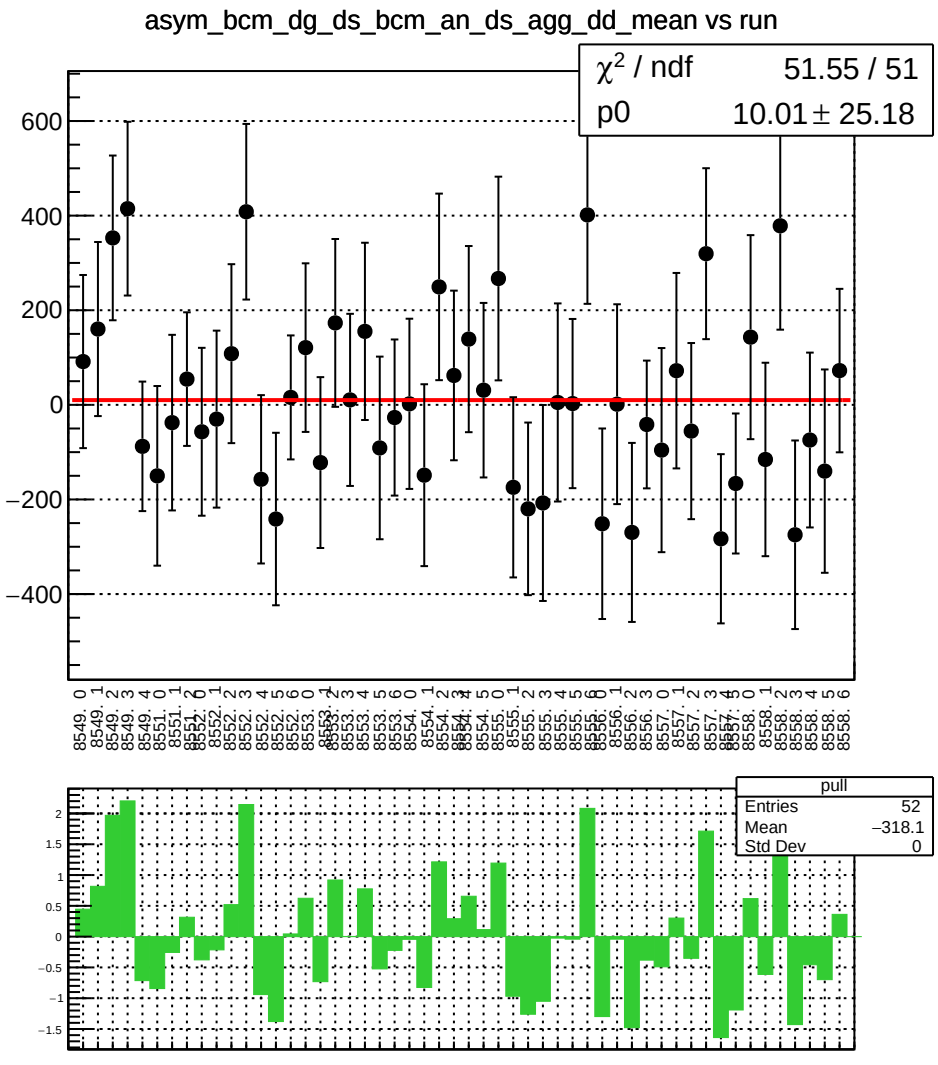
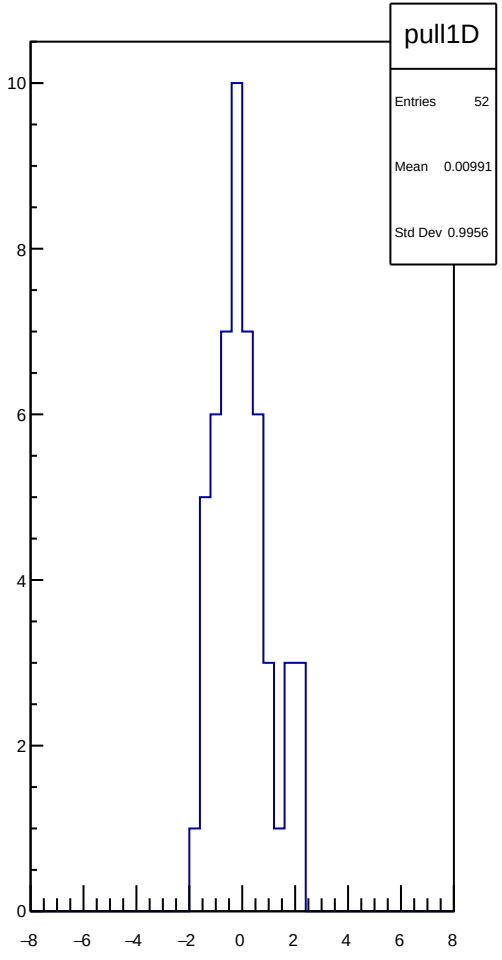
8558. 5
8558. 6

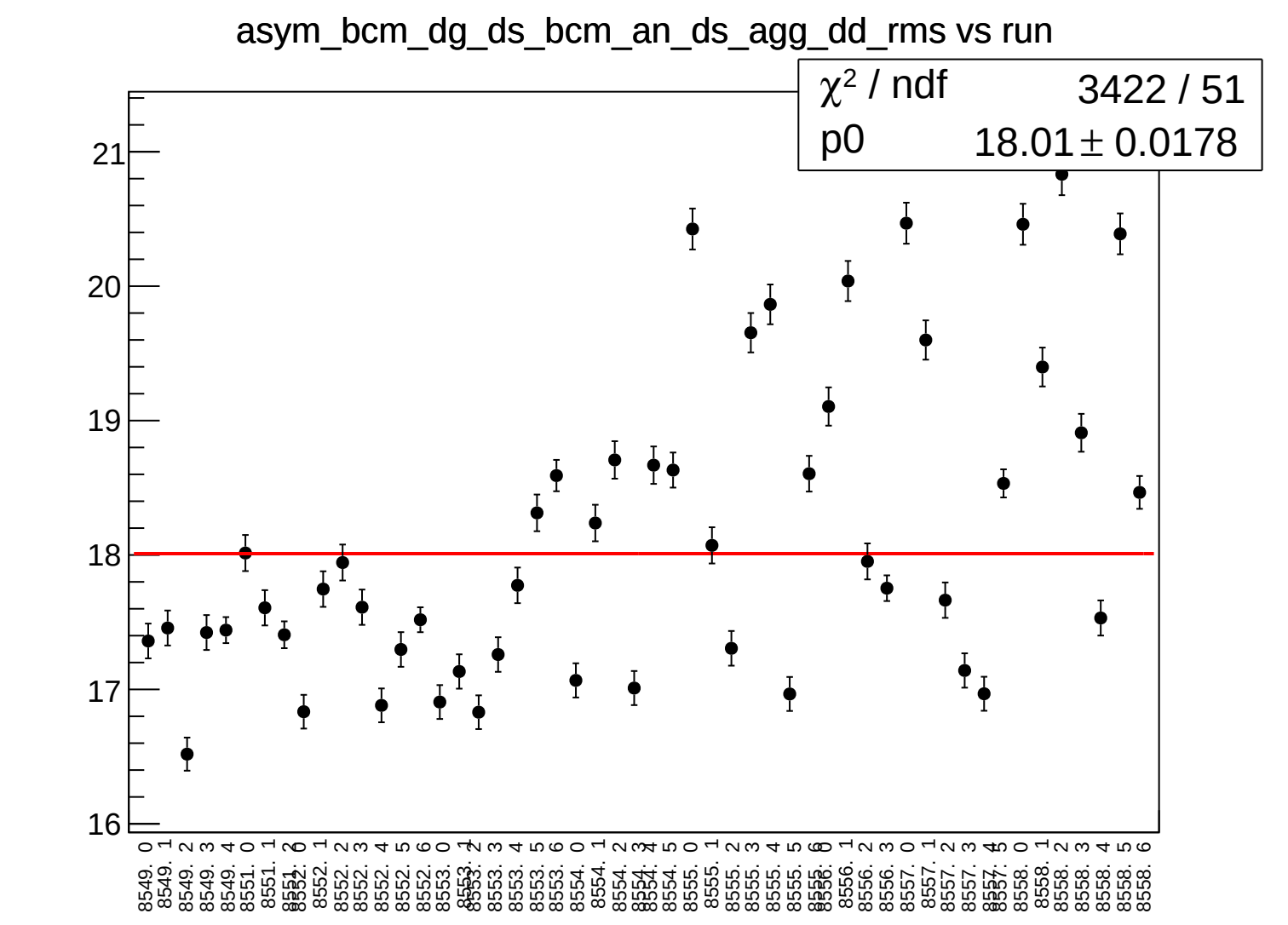

asym_bcm_dg_ds_bcm_an_ds_agg_avg_mean vs run
χ² / ndf 13.94 / 51
p0 995.5 ± 598.4
pull
Entries 52
Mean −30.81
Std Dev 0

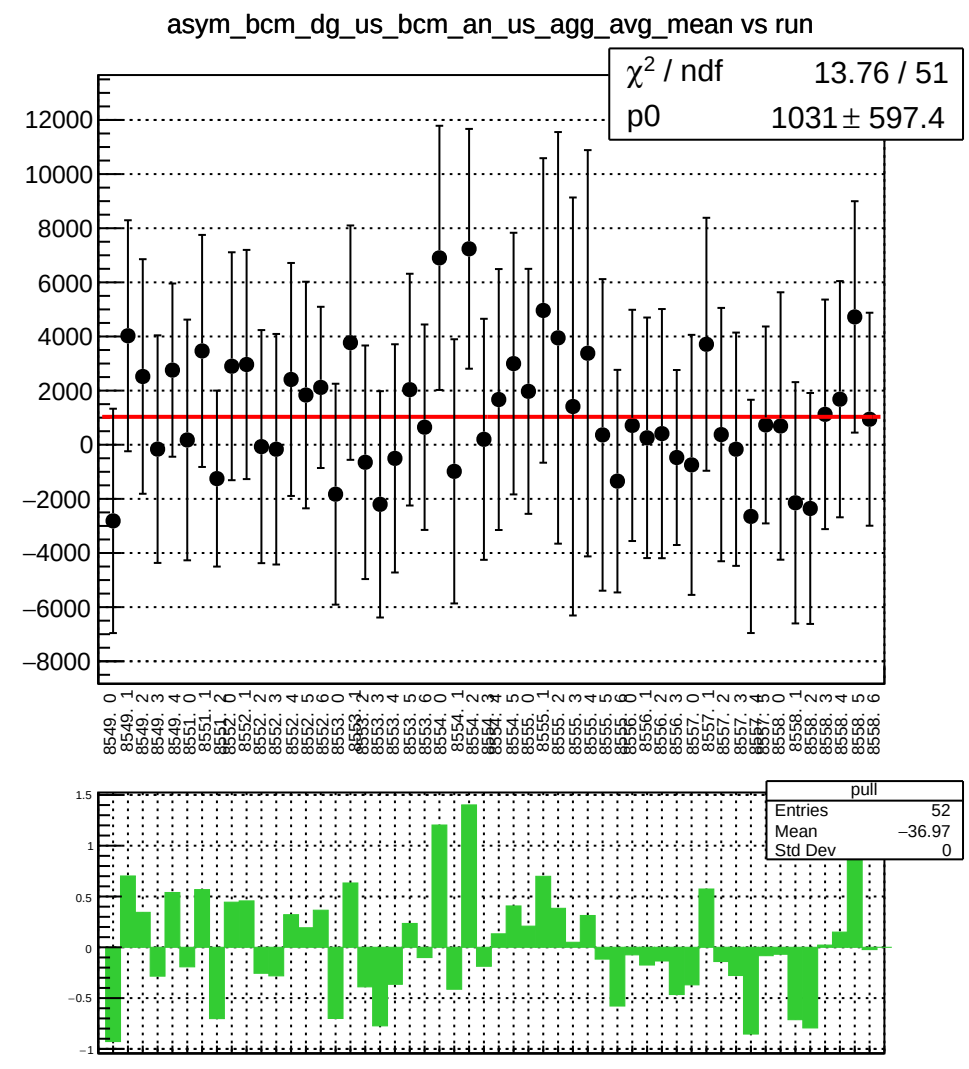

pull1D
Entries 52
Mean 0.0148
Std Dev 0.5175

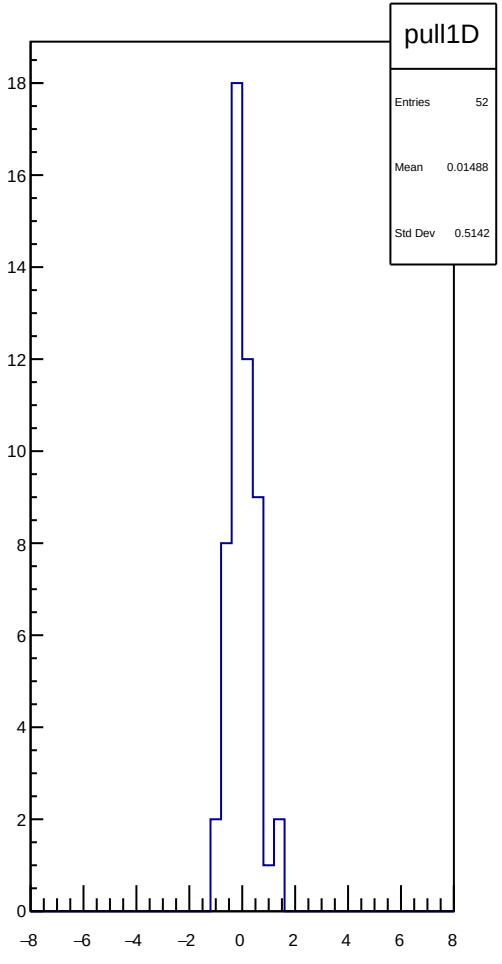

asym_bcm_dg_ds_bcm_an_ds_agg_avg_rms vs run
χ² / ndf 1.335e+04 / 51
p0 426 ± 0.4232
750
700
650
600
550
500
450
400
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 5
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

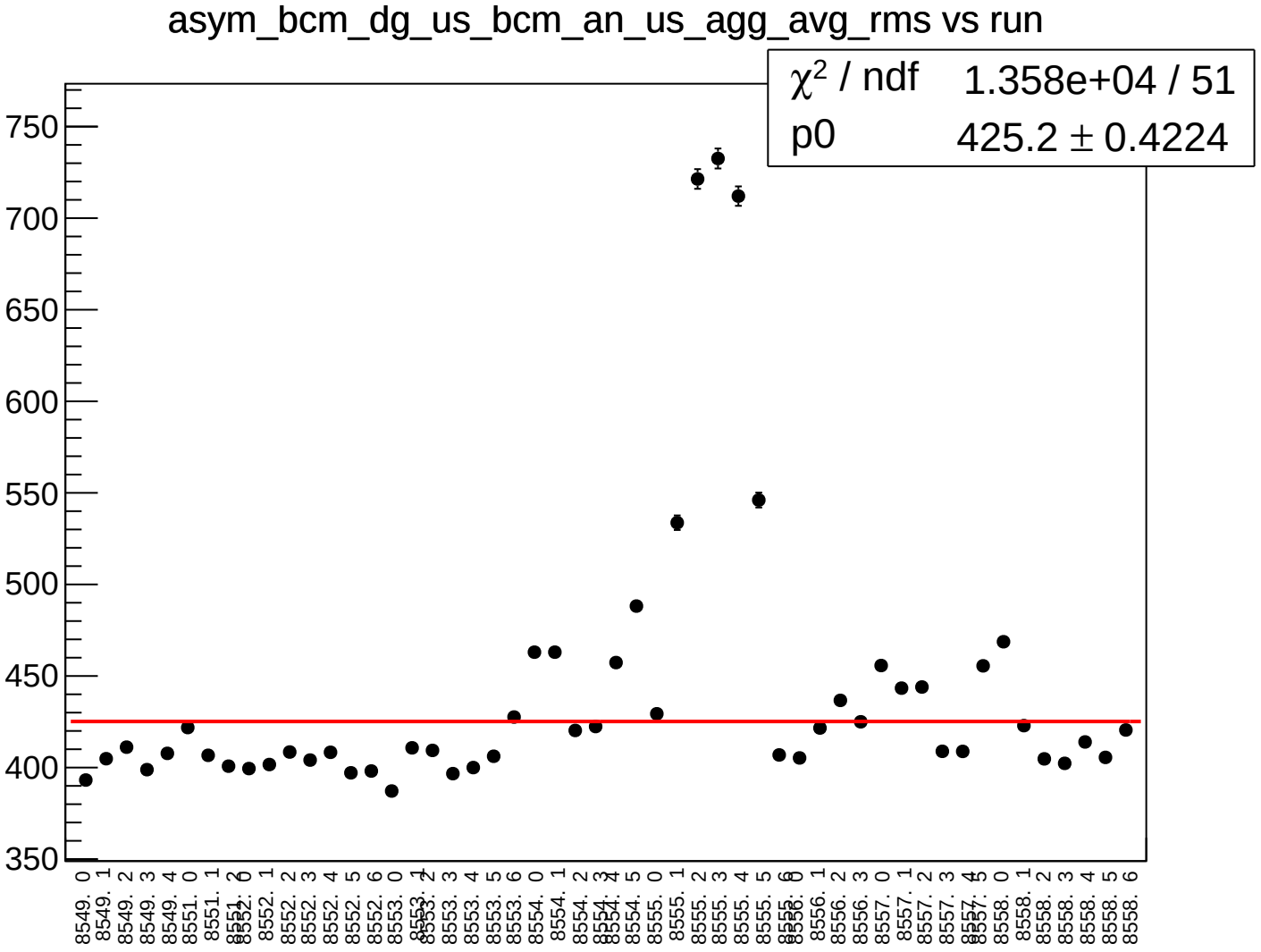

asym_bcm_dg_ds_bcm_an_ds_agg_dd_mean vs run
χ² / ndf 51.55 / 51
p0 10.01 ± 25.18
pull
Entries 52
Mean −318.1
Std Dev 0

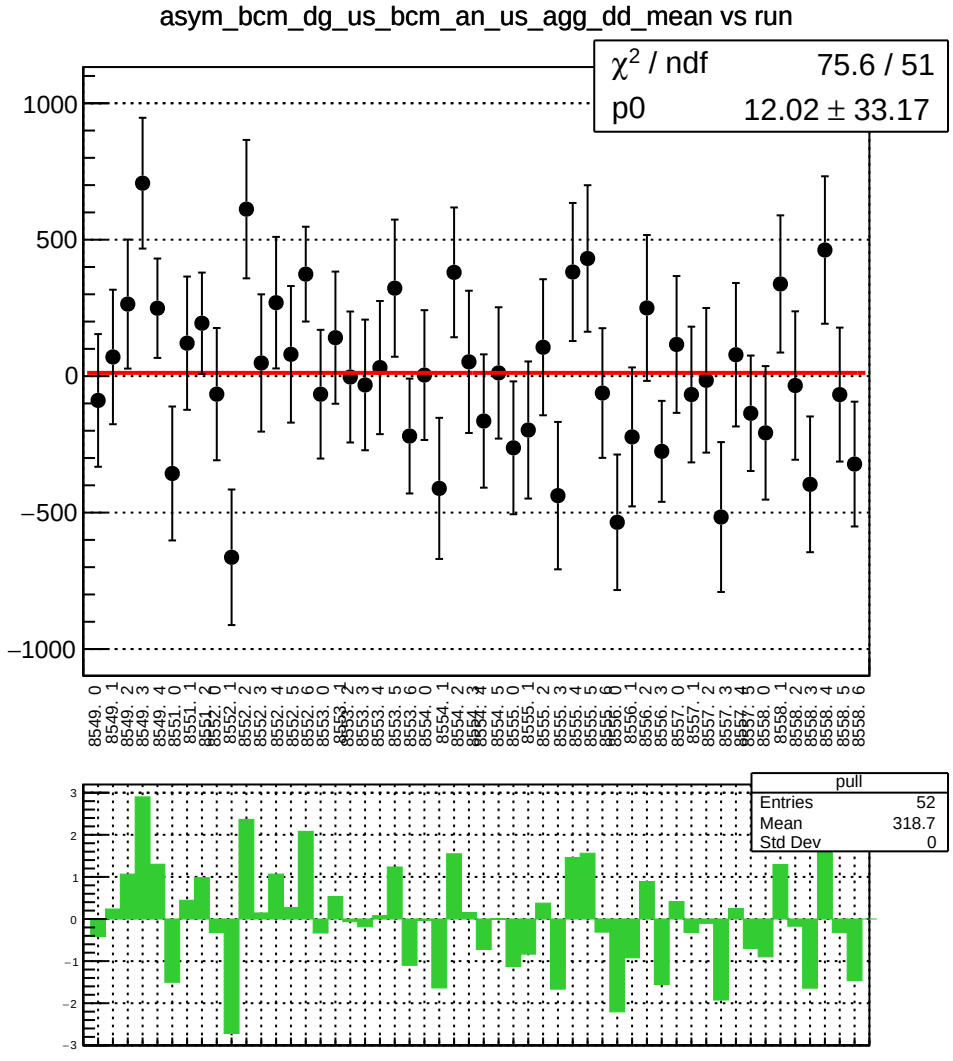

pull1D
Entries 52
Mean 0.00991
Std Dev 0.9956

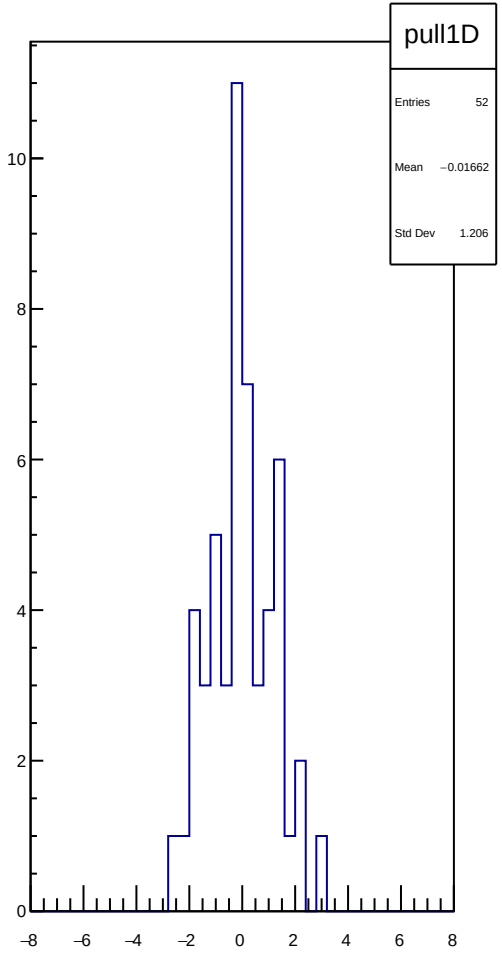

asym_bcm_dg_ds_bcm_an_ds_agg_dd_rms vs run
χ² / ndf 3422 / 51
p0 18.01 ± 0.0178
21
20
19
18
17
16
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

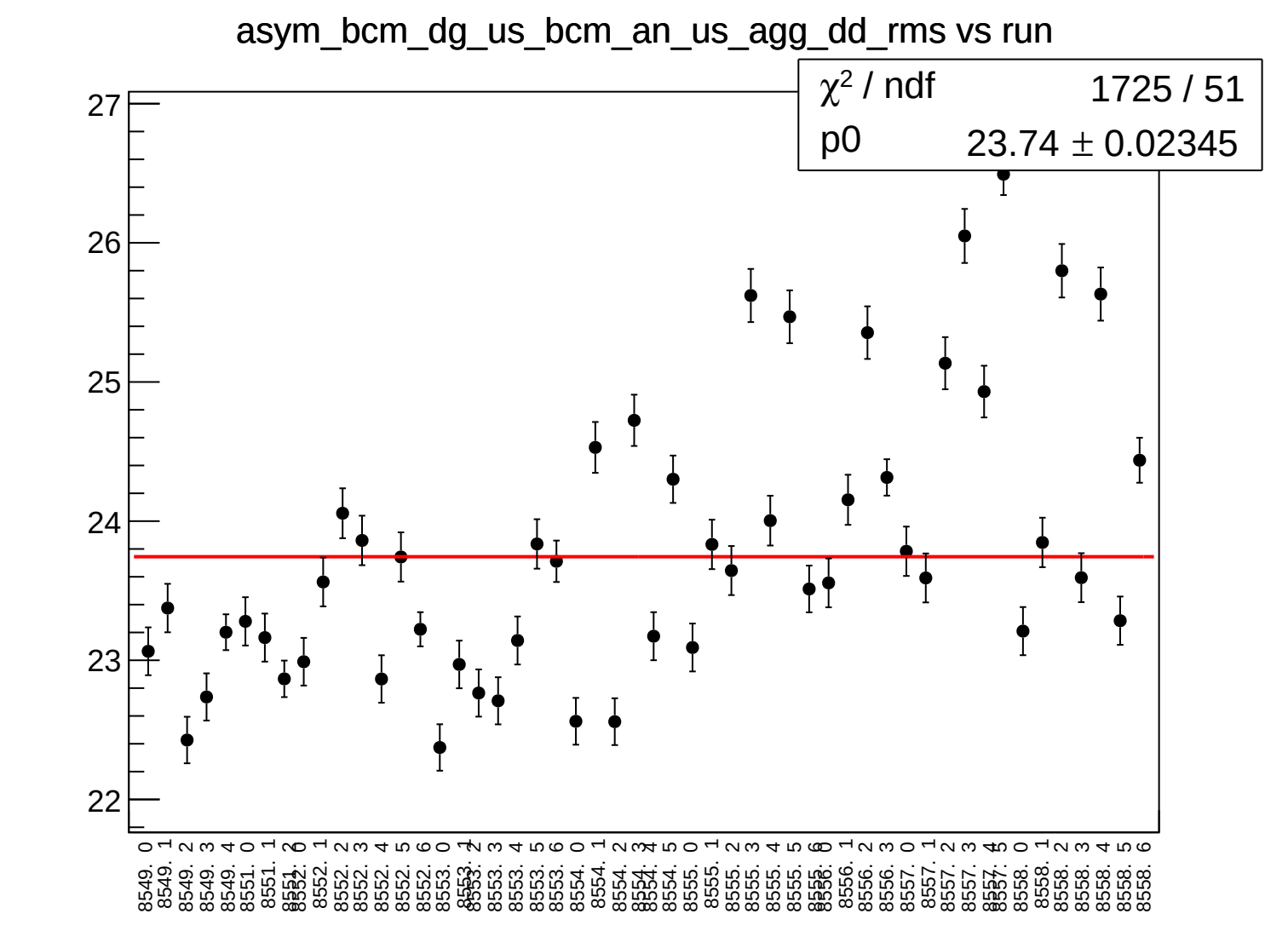

asym_bcm_dg_us_bcm_an_us_agg_avg_mean vs run
χ² / ndf 13.76 / 51
p0 1031 ± 597.4
pull
Entries 52
Mean −36.97
Std Dev 0


pull1D
Entries 52
Mean 0.01488
Std Dev 0.5142


asym_bcm_dg_us_bcm_an_us_agg_avg_rms vs run
χ² / ndf 1.358e+04 / 51
p0 425.2 ± 0.4224
750
700
650
600
550
500
450
400
350
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6


asym_bcm_dg_us_bcm_an_us_agg_dd_mean vs run
χ² / ndf 75.6 / 51
p0 12.02 ± 33.17
1000
500
0
−500
−1000
pull
Entries 52
Mean 318.7
Std Dev 0
3
2
1
0
−1
−2
−3


pull1D
Entries 52
Mean −0.01662
Std Dev 1.206
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


asym_bcm_dg_us_bcm_an_us_agg_dd_rms vs run
χ² / ndf 1725 / 51
p0 23.74 ± 0.02345
27
26
25
24
23
22
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
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8556. 2
8556. 3
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8557. 3
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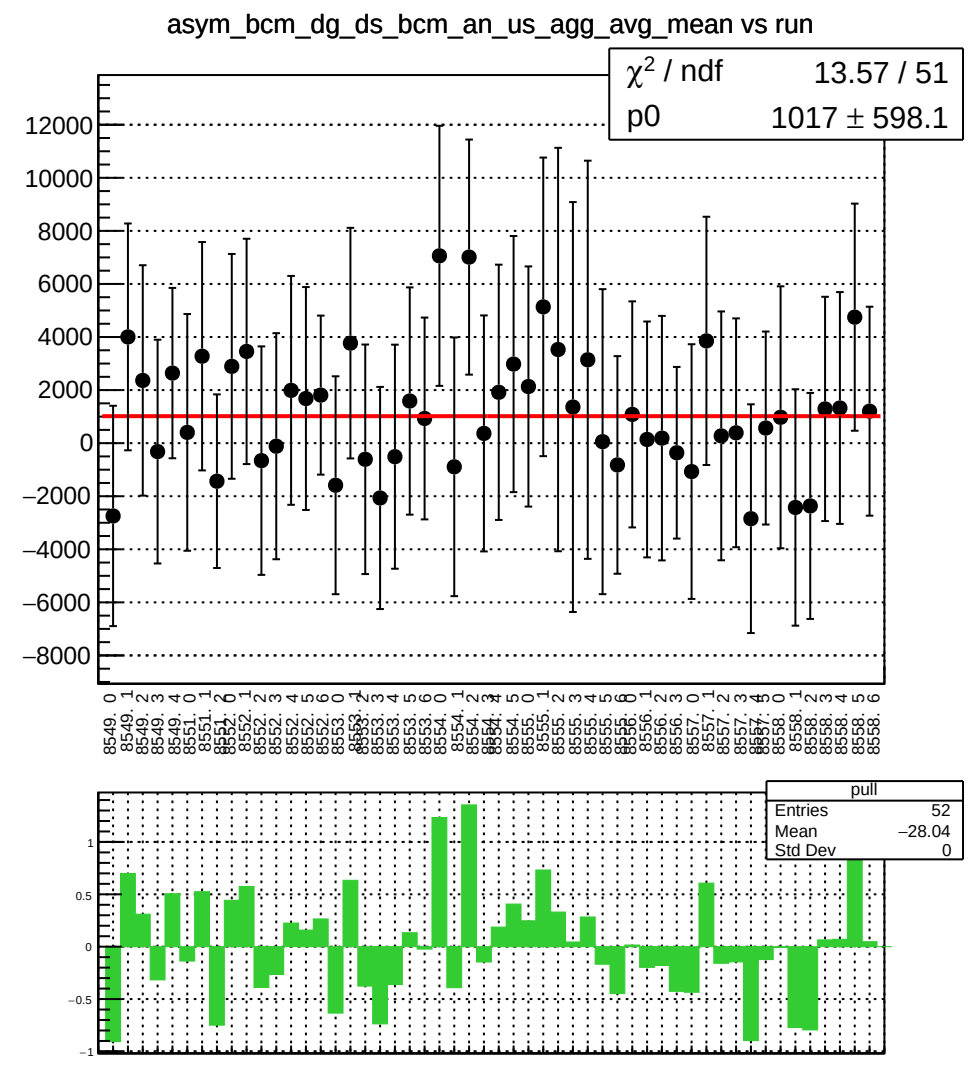
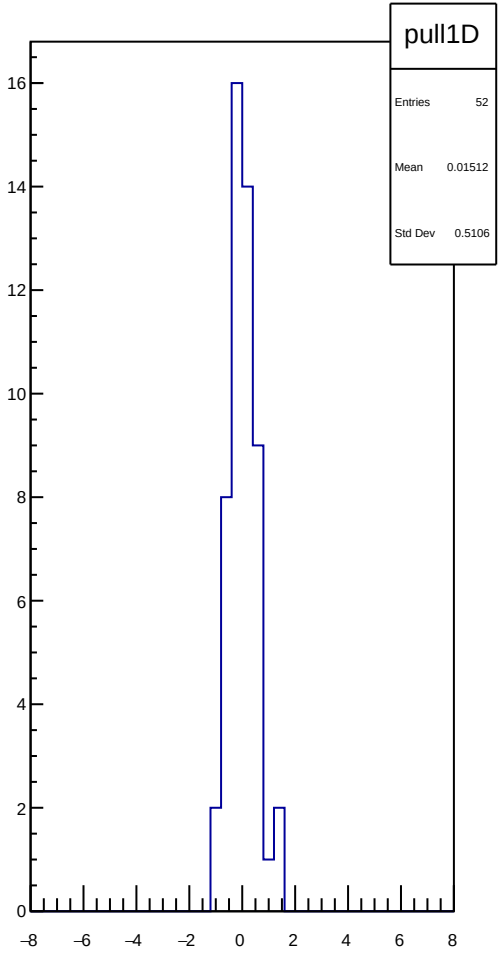
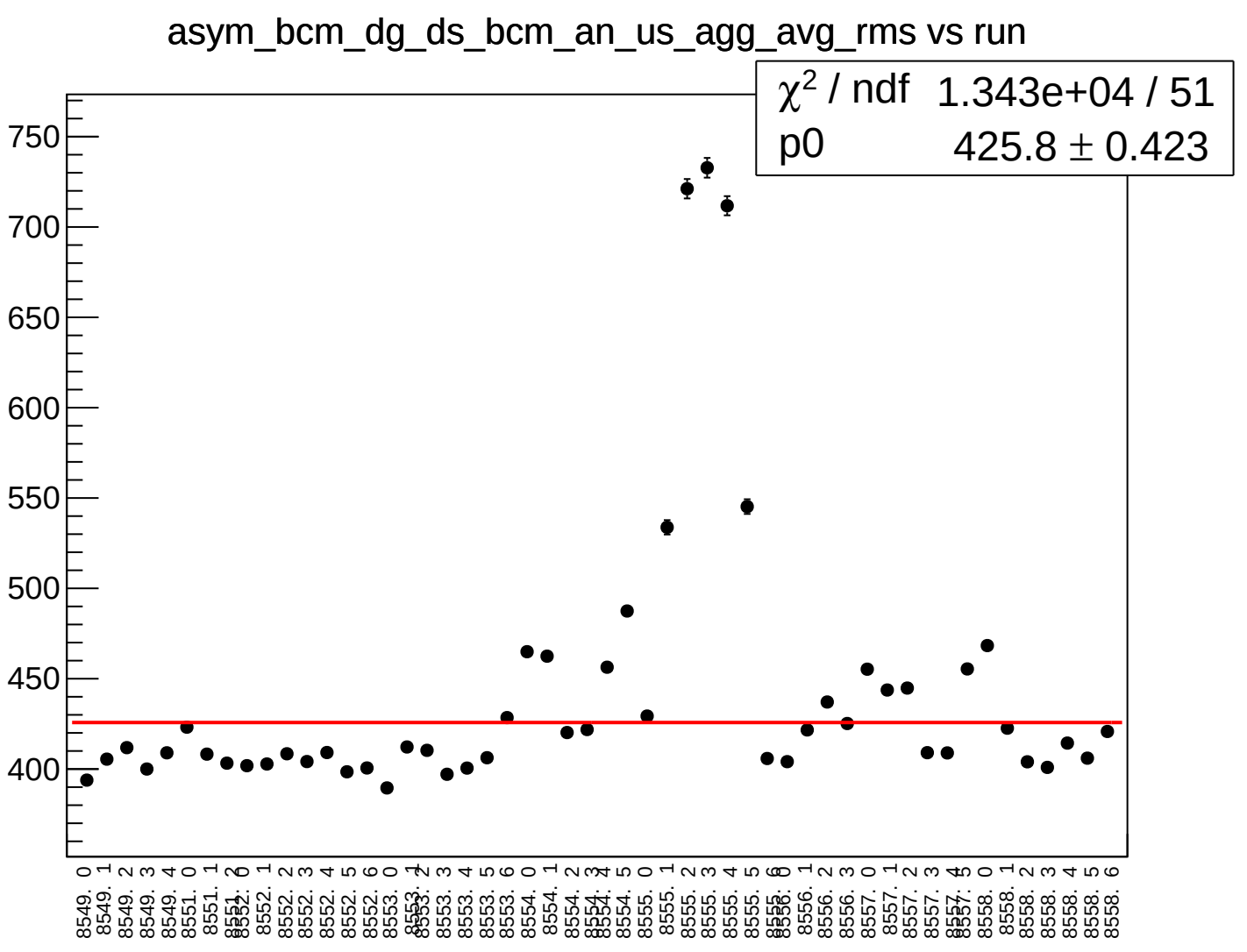
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6


asym_bcm_dg_ds_bcm_an_us_agg_avg_mean vs run
χ² / ndf 13.57 / 51
p0 1017 ± 598.1
pull
Entries 52
Mean −28.04
Std Dev 0


pull1D
Entries 52
Mean 0.01512
Std Dev 0.5106


asym_bcm_dg_ds_bcm_an_us_agg_avg_rms vs run
χ² / ndf 1.343e+04 / 51
p0 425.8 ± 0.423
750
700
650
600
550
500
450
400
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 5
8555. 0
8555. 1
8555. 2
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8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
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8557. 3
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8558. 1
8558. 2
8558. 3
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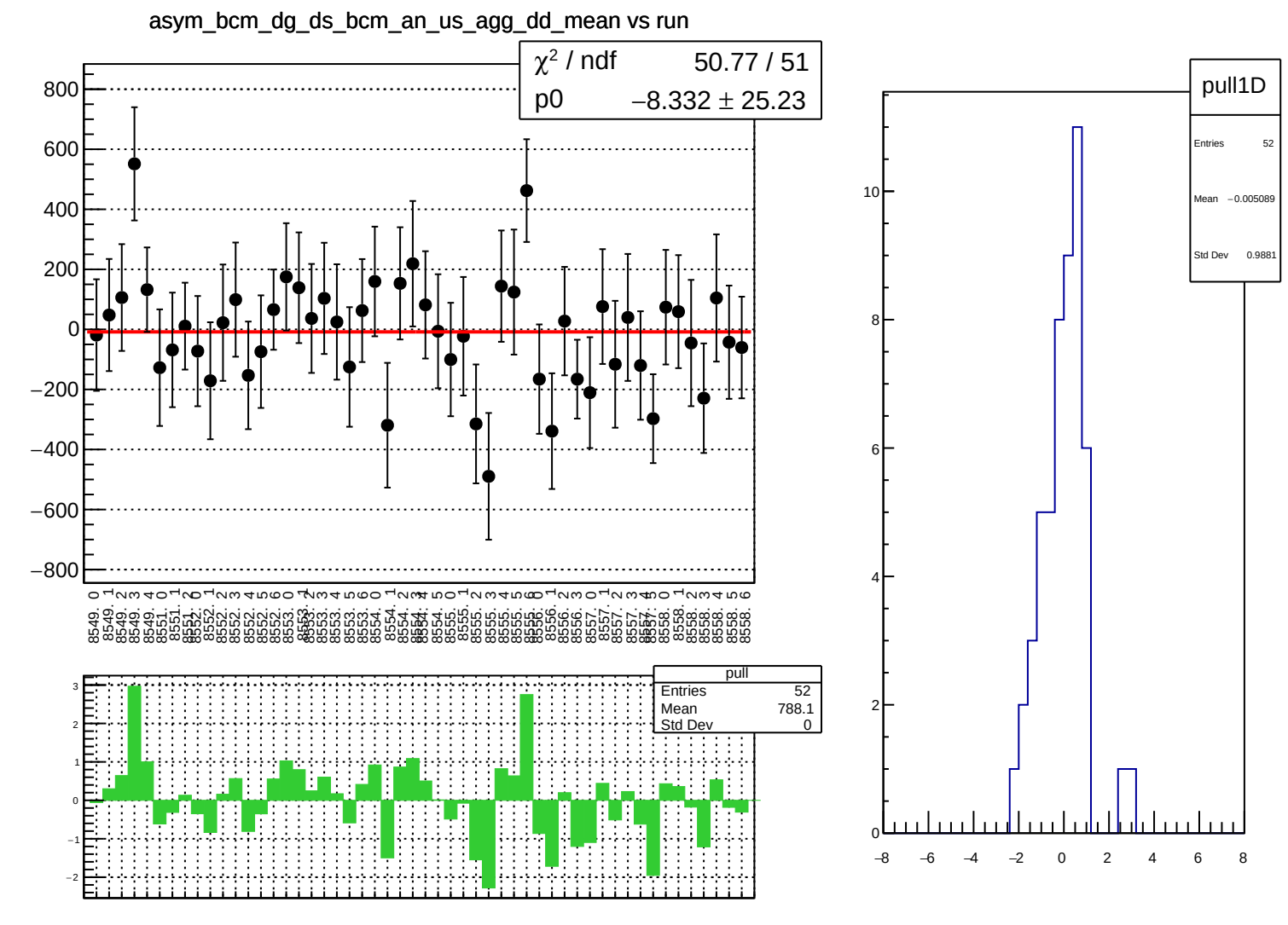
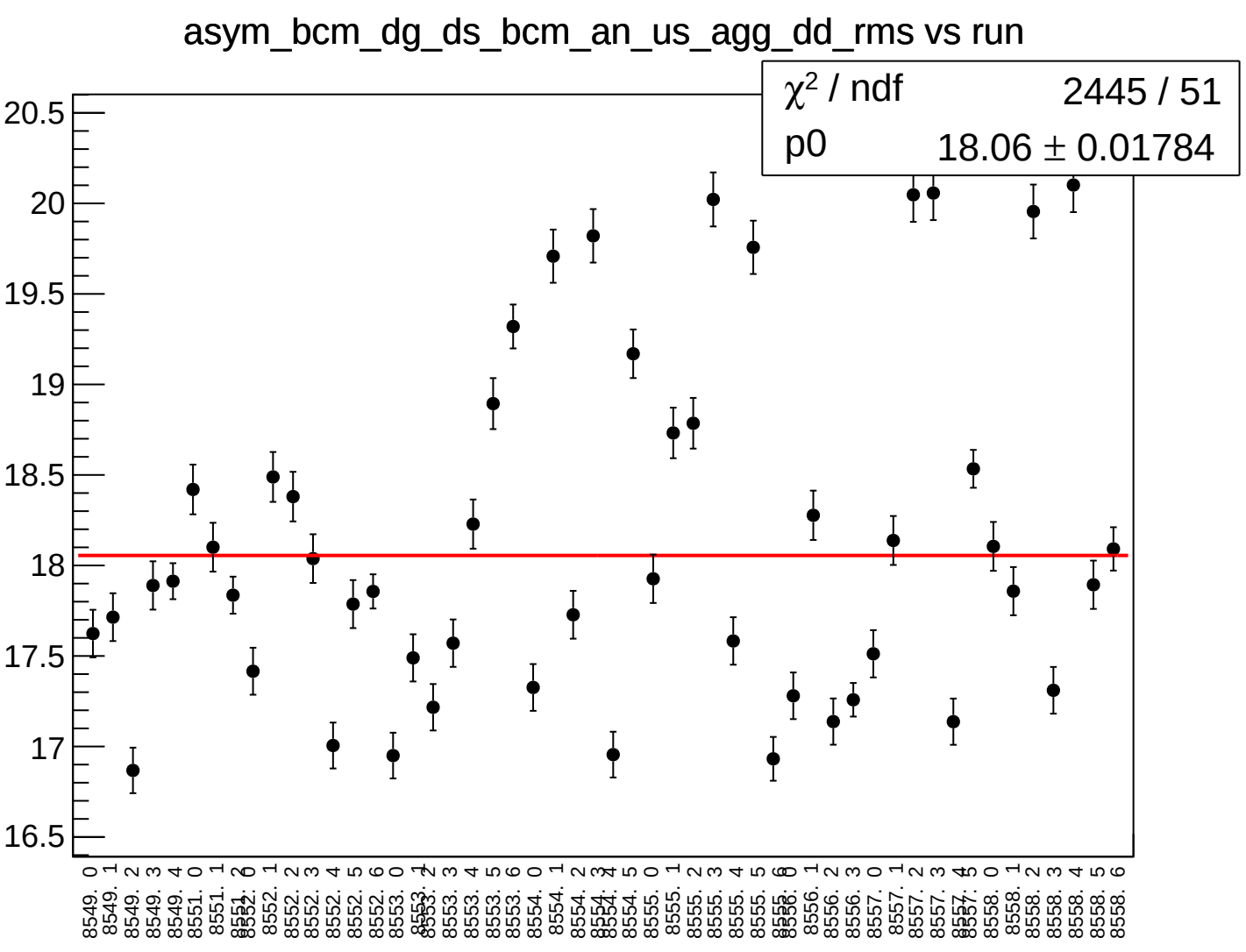
8558. 5
8558. 6


asym_bcm_dg_ds_bcm_an_us_agg_dd_mean vs run
χ² / ndf 50.77 / 51
p0 −8.332 ± 25.23
pull
Entries 52
Mean 788.1
Std Dev 0
pull1D
Entries 52
Mean −0.005089
Std Dev 0.9881


asym_bcm_dg_ds_bcm_an_us_agg_dd_rms vs run
χ² / ndf 2445 / 51
p0 18.06 ± 0.01784
20.5
20
19.5
19
18.5
18
17.5
17
16.5
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
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8554. 2
8554. 5
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8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
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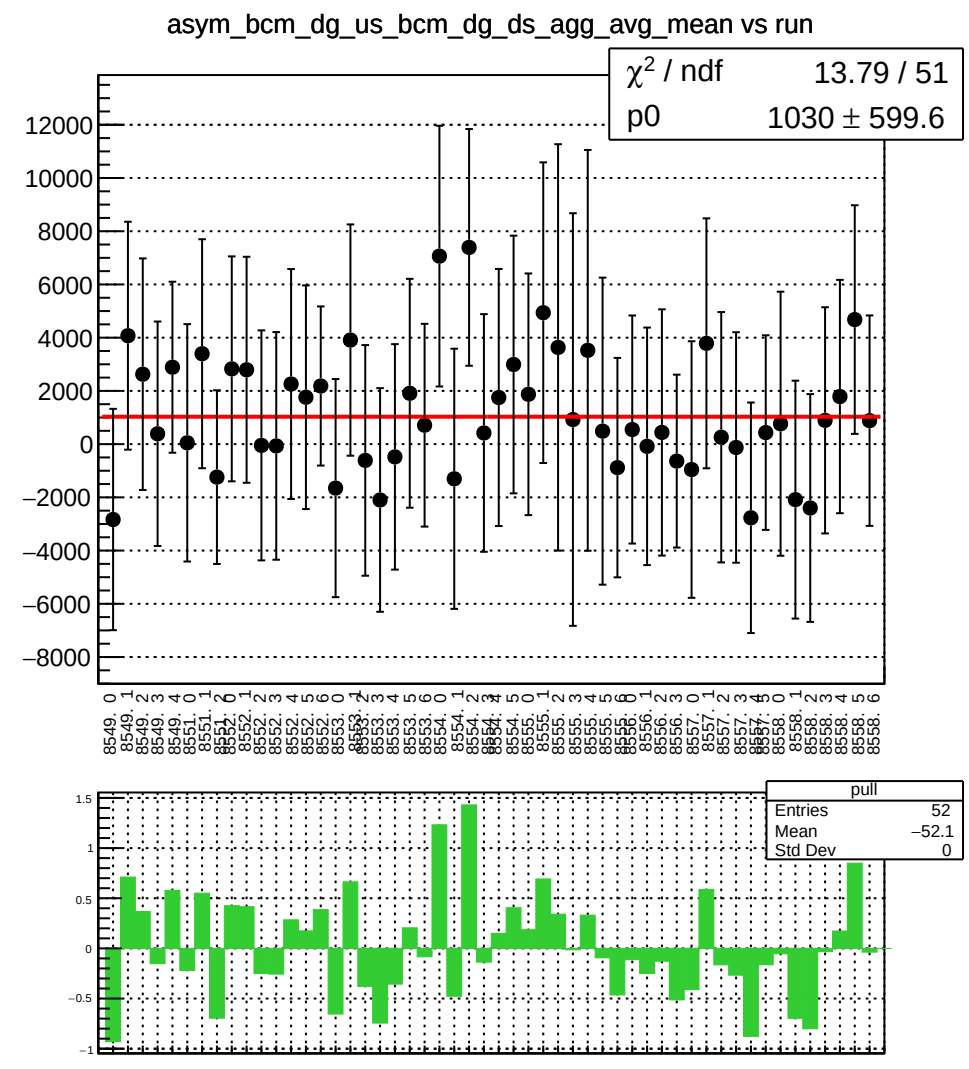
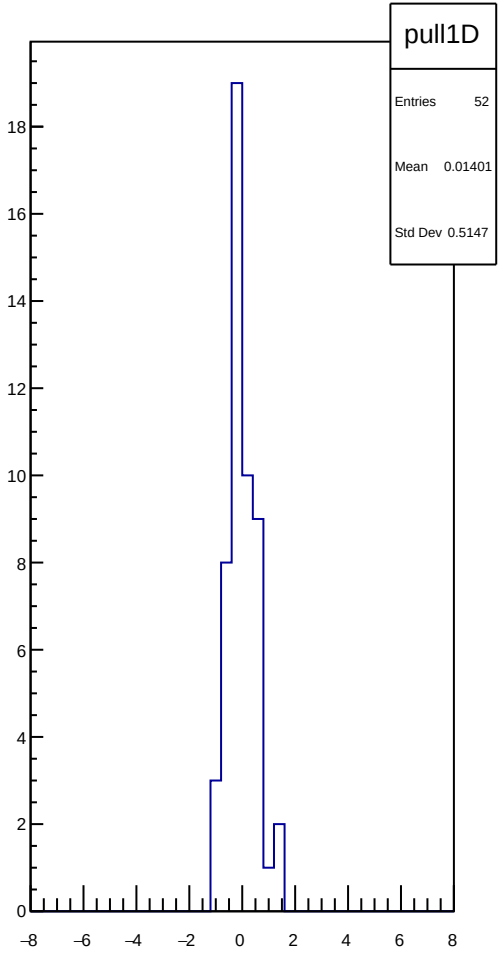
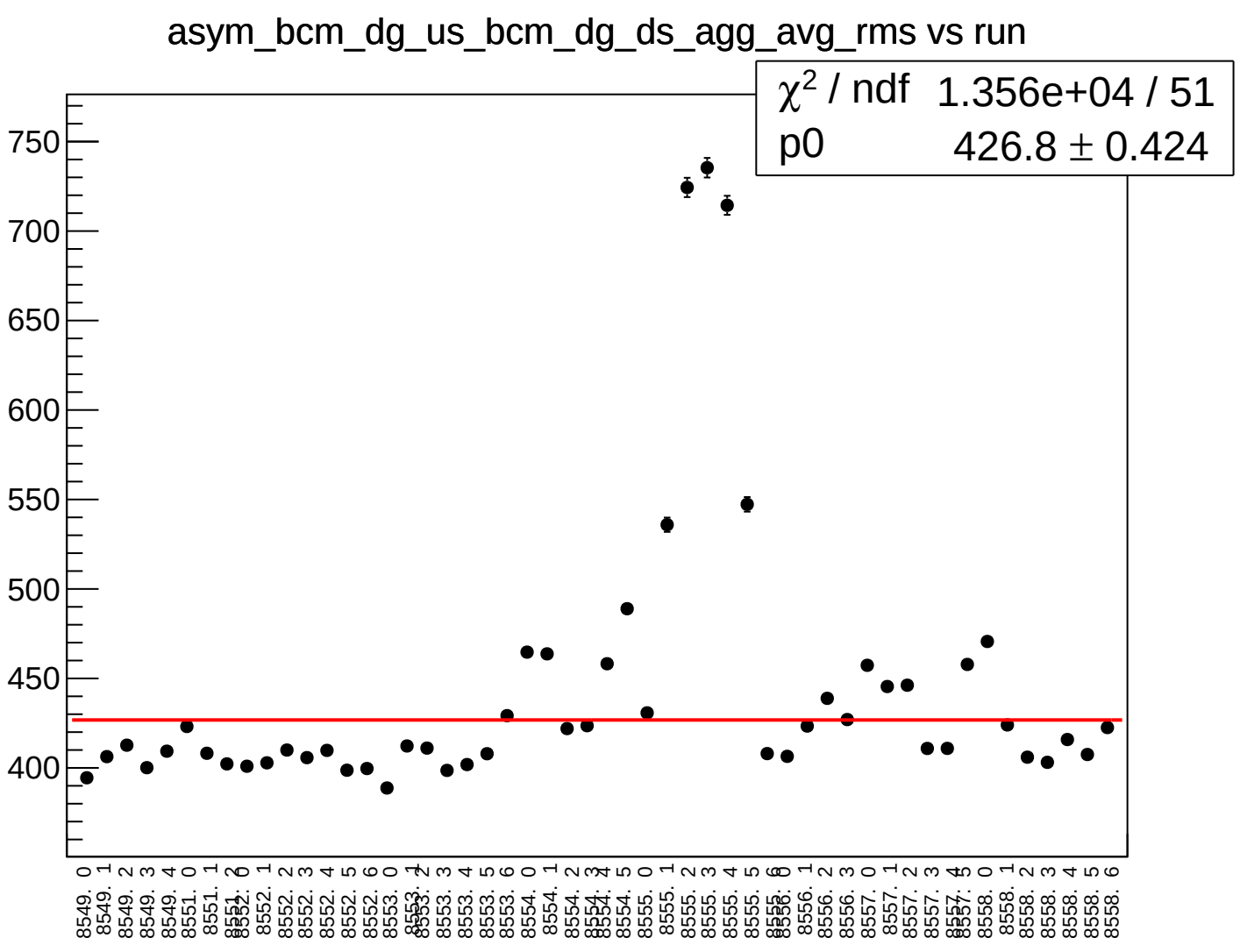
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6


asym_bcm_dg_us_bcm_dg_ds_agg_avg_mean vs run
χ² / ndf 13.79 / 51
p0 1030 ± 599.6
pull
Entries 52
Mean −52.1
Std Dev 0


pull1D
Entries 52
Mean 0.01401
Std Dev 0.5147


asym_bcm_dg_us_bcm_dg_ds_agg_avg_rms vs run
χ² / ndf 1.356e+04 / 51
p0 426.8 ± 0.424
750
700
650
600
550
500
450
400
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
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8554. 2
8554. 5
8555. 0
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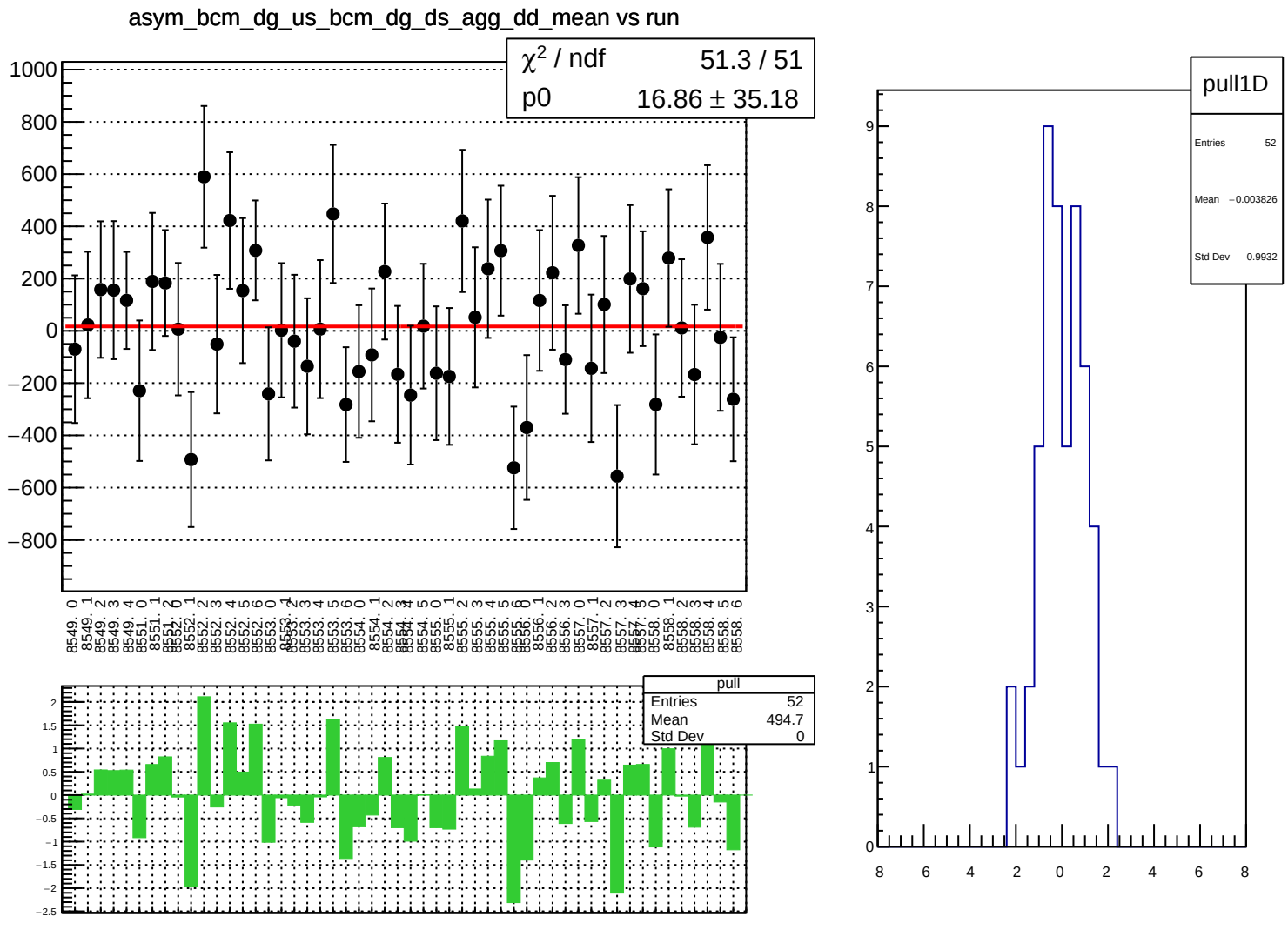
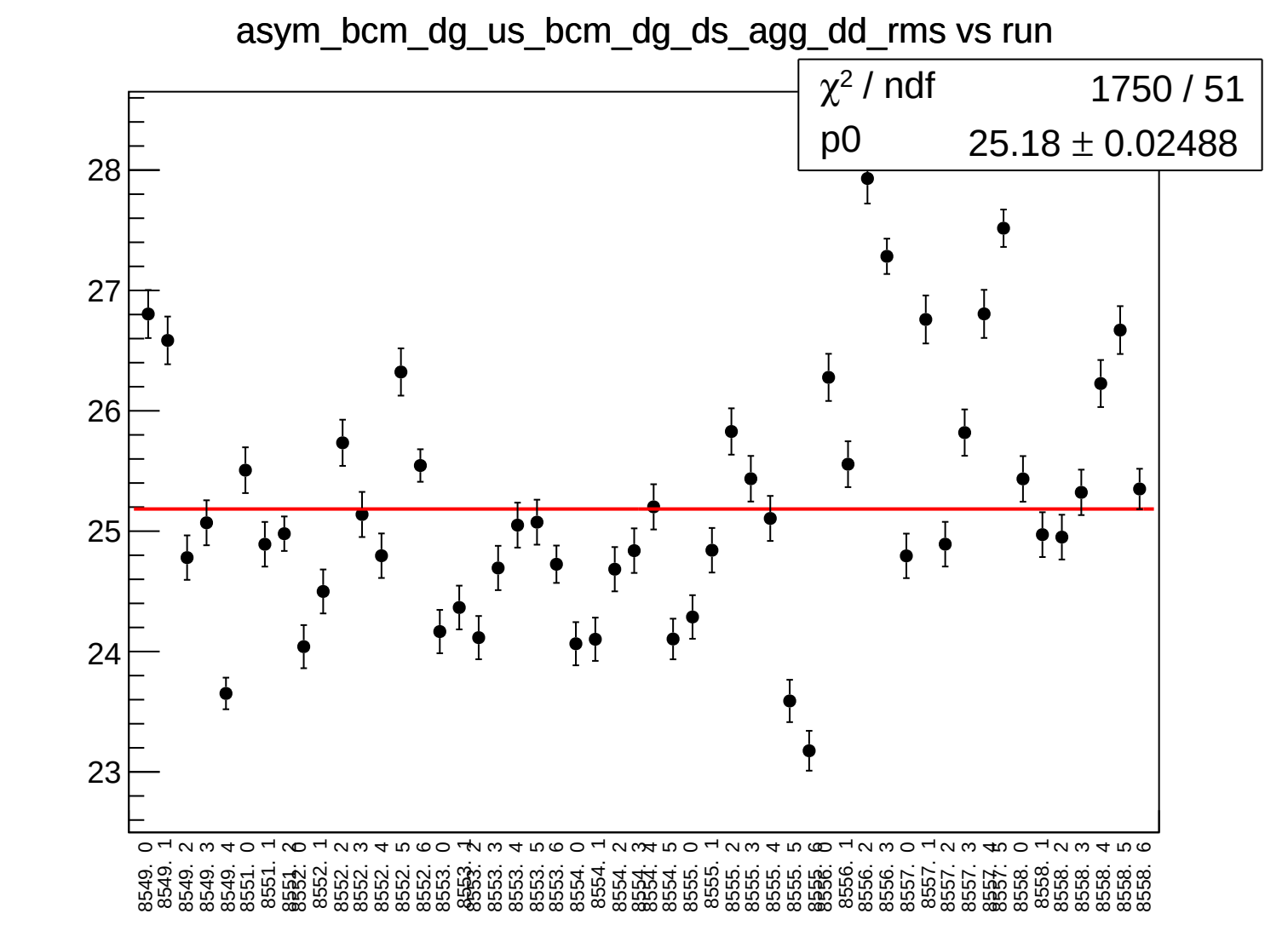
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6


asym_bcm_dg_us_bcm_dg_ds_agg_dd_mean vs run
χ² / ndf 51.3 / 51
p0 16.86 ± 35.18
pull
Entries 52
Mean 494.7
Std Dev 0
pull1D
Entries 52
Mean −0.003826
Std Dev 0.9932


asym_bcm_dg_us_bcm_dg_ds_agg_dd_rms vs run
χ² / ndf 1750 / 51
p0 25.18 ± 0.02488
28
27
26
25
24
23
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
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8553. 4
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8555. 1
8555. 2
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8556. 1
8556. 2
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8557. 0
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8557. 3
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8558. 3
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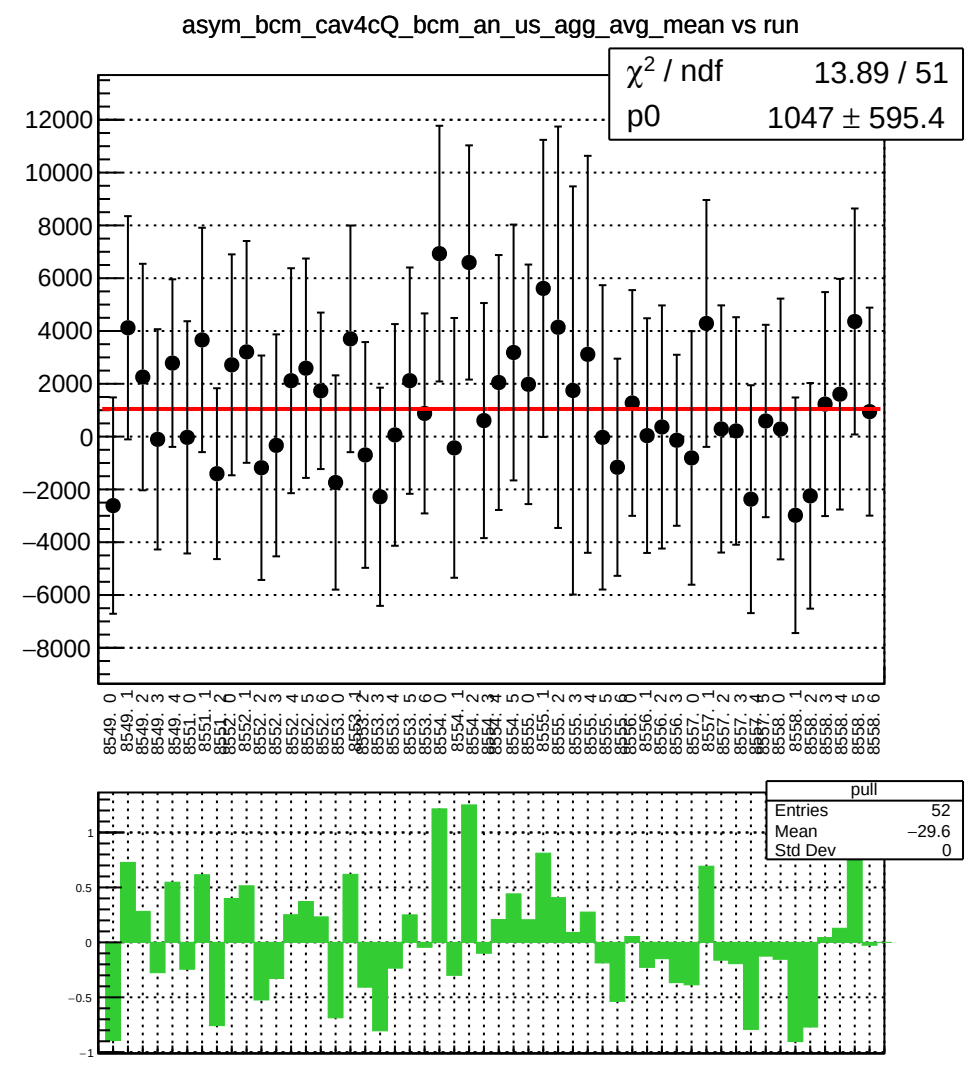
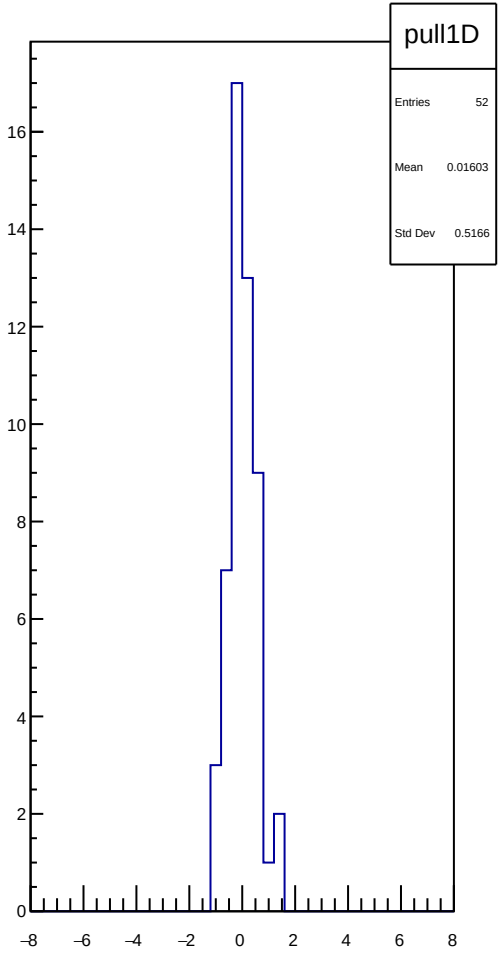
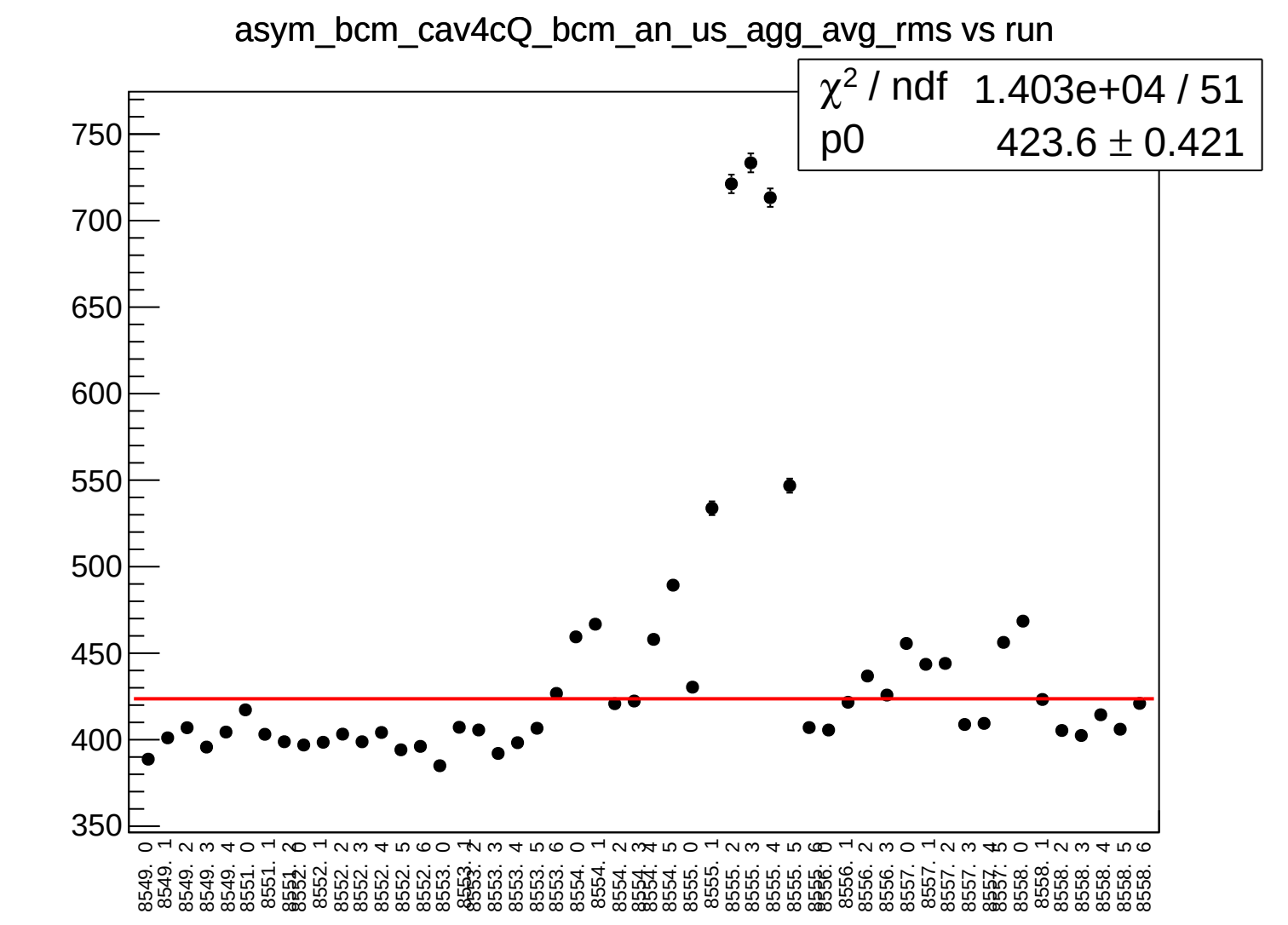
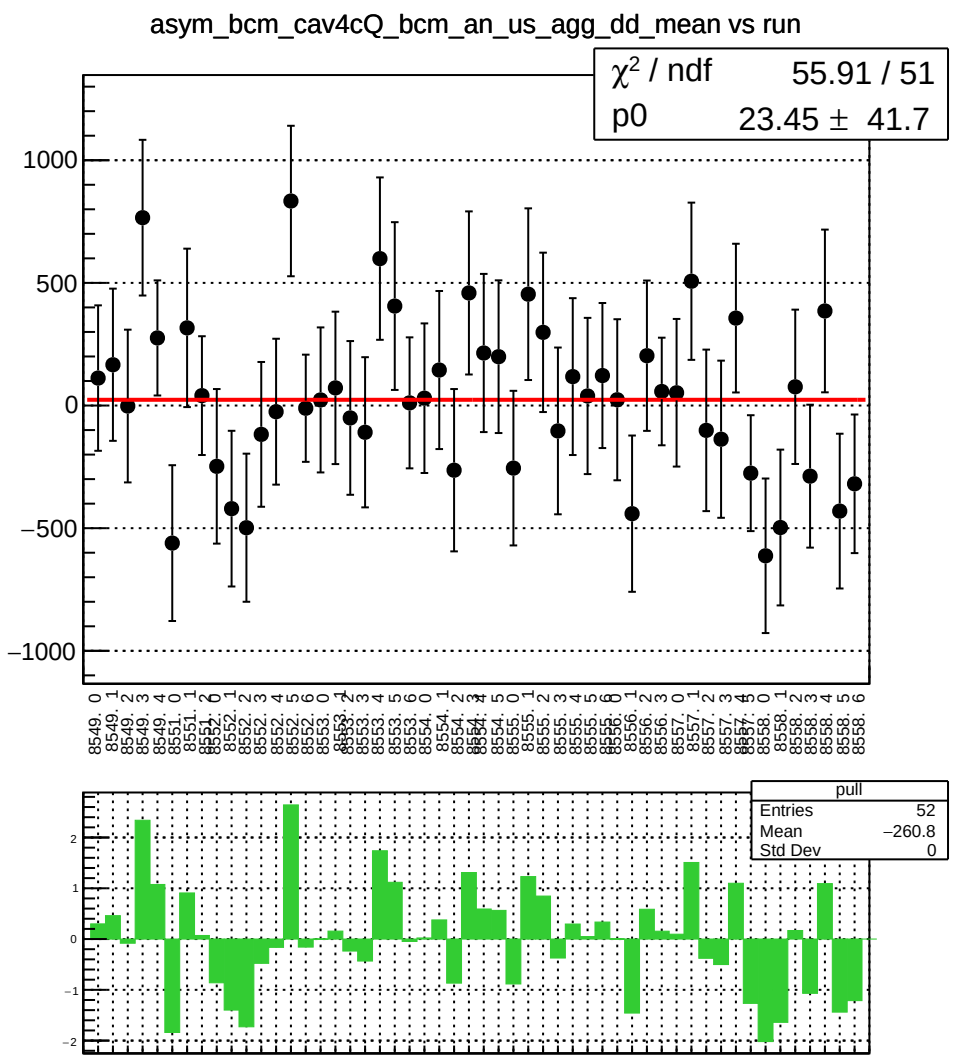
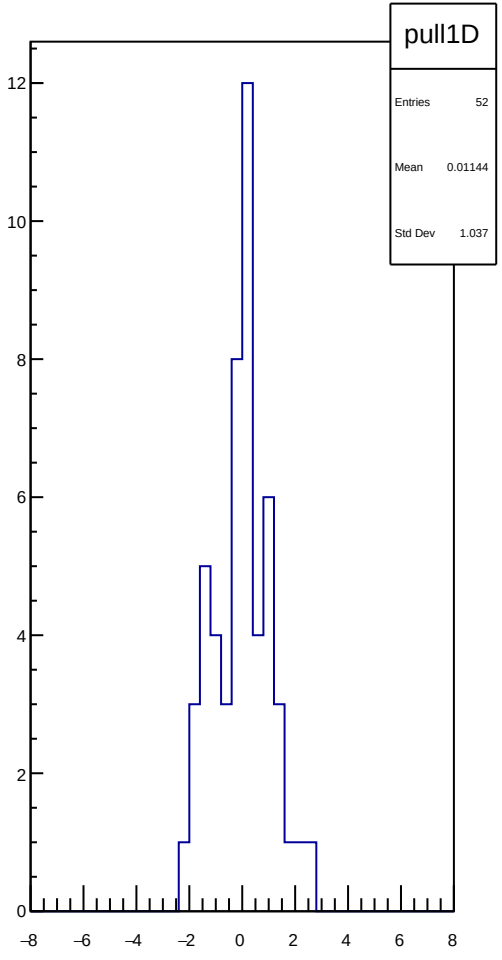
8558. 6

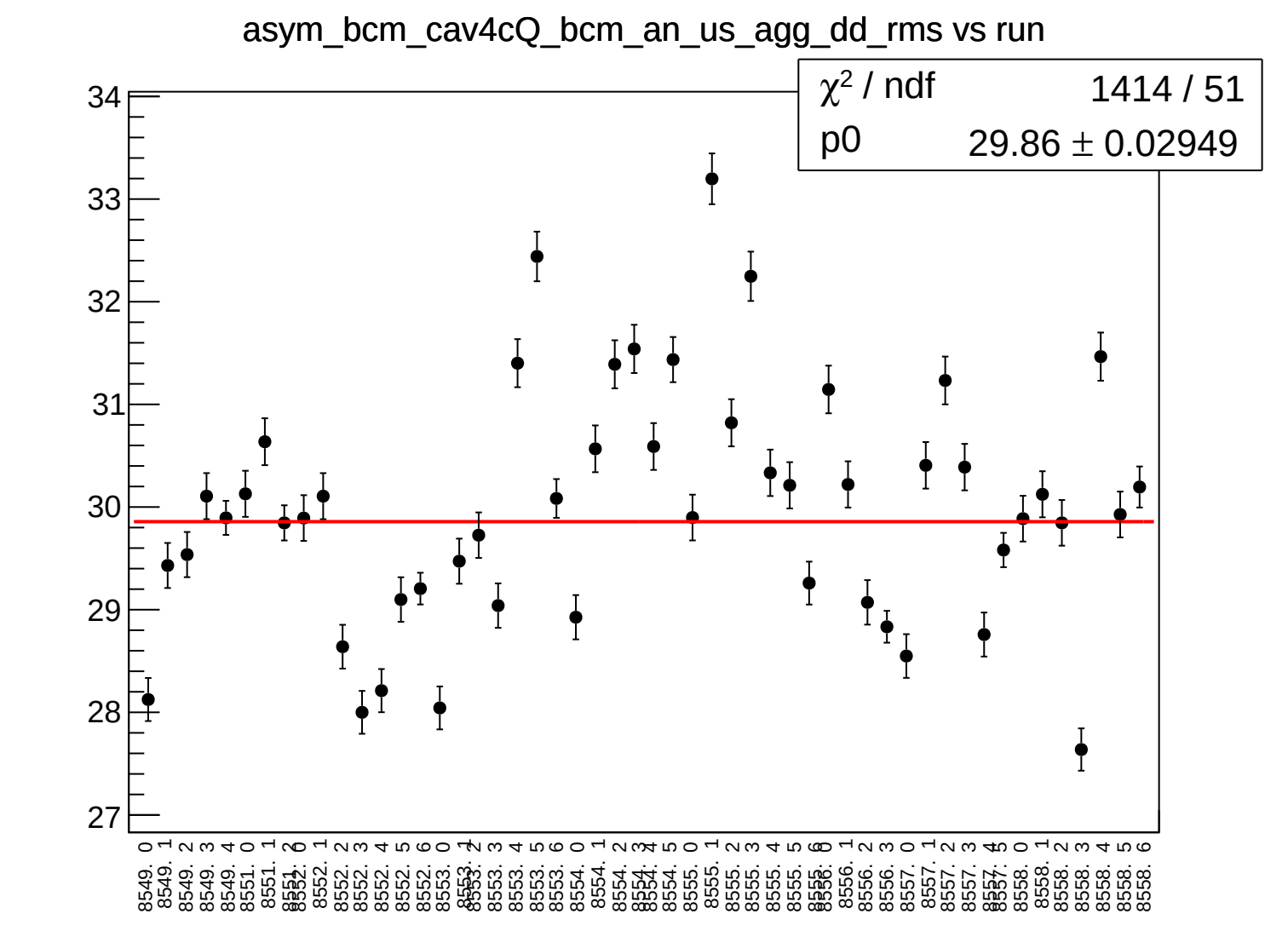

asym_bcm_cav4cQ_bcm_an_us_agg_avg_mean vs run
χ² / ndf 13.89 / 51
p0 1047 ± 595.4
pull
Entries 52
Mean −29.6
Std Dev 0

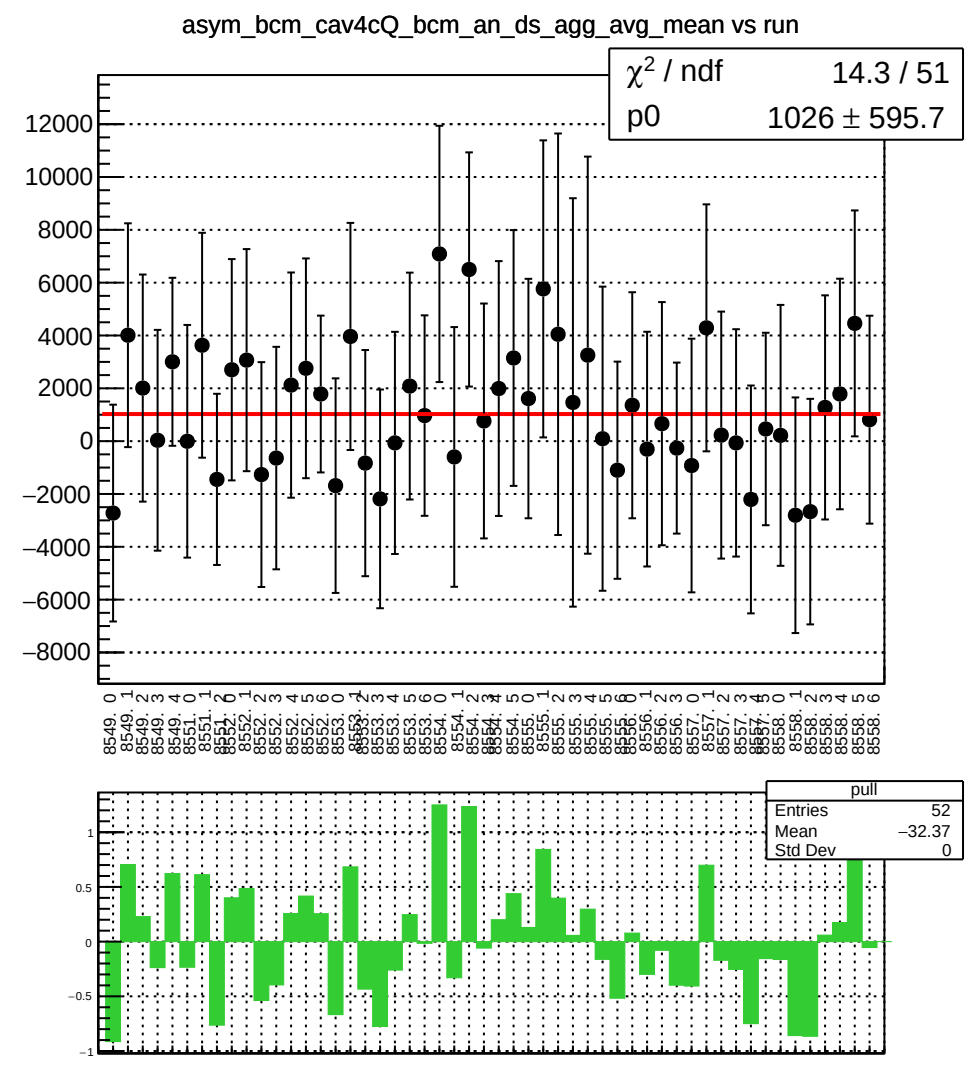

pull1D
Entries 52
Mean 0.01603
Std Dev 0.5166

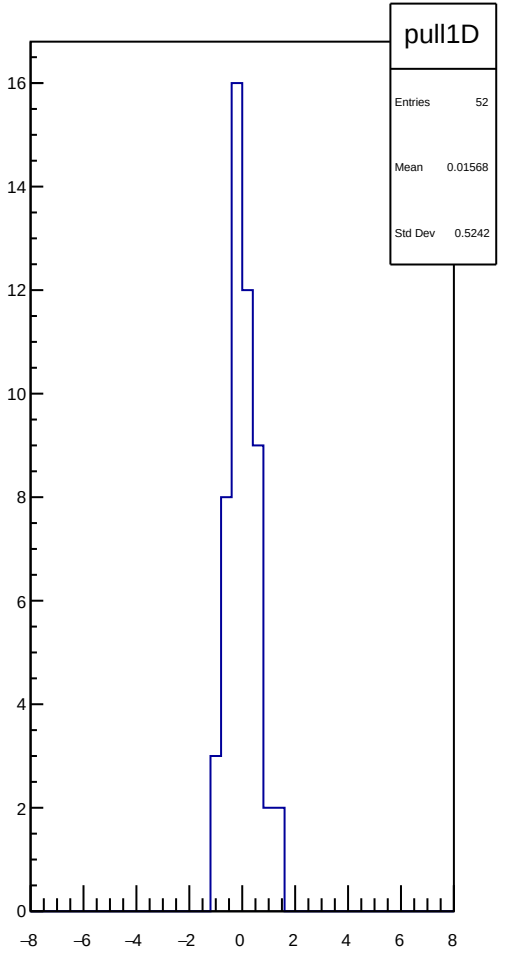

asym_bcm_cav4cQ_bcm_an_us_agg_avg_rms vs run
χ² / ndf 1.403e+04 / 51
p0 423.6 ± 0.421
750
700
650
600
550
500
450
400
350
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 5
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

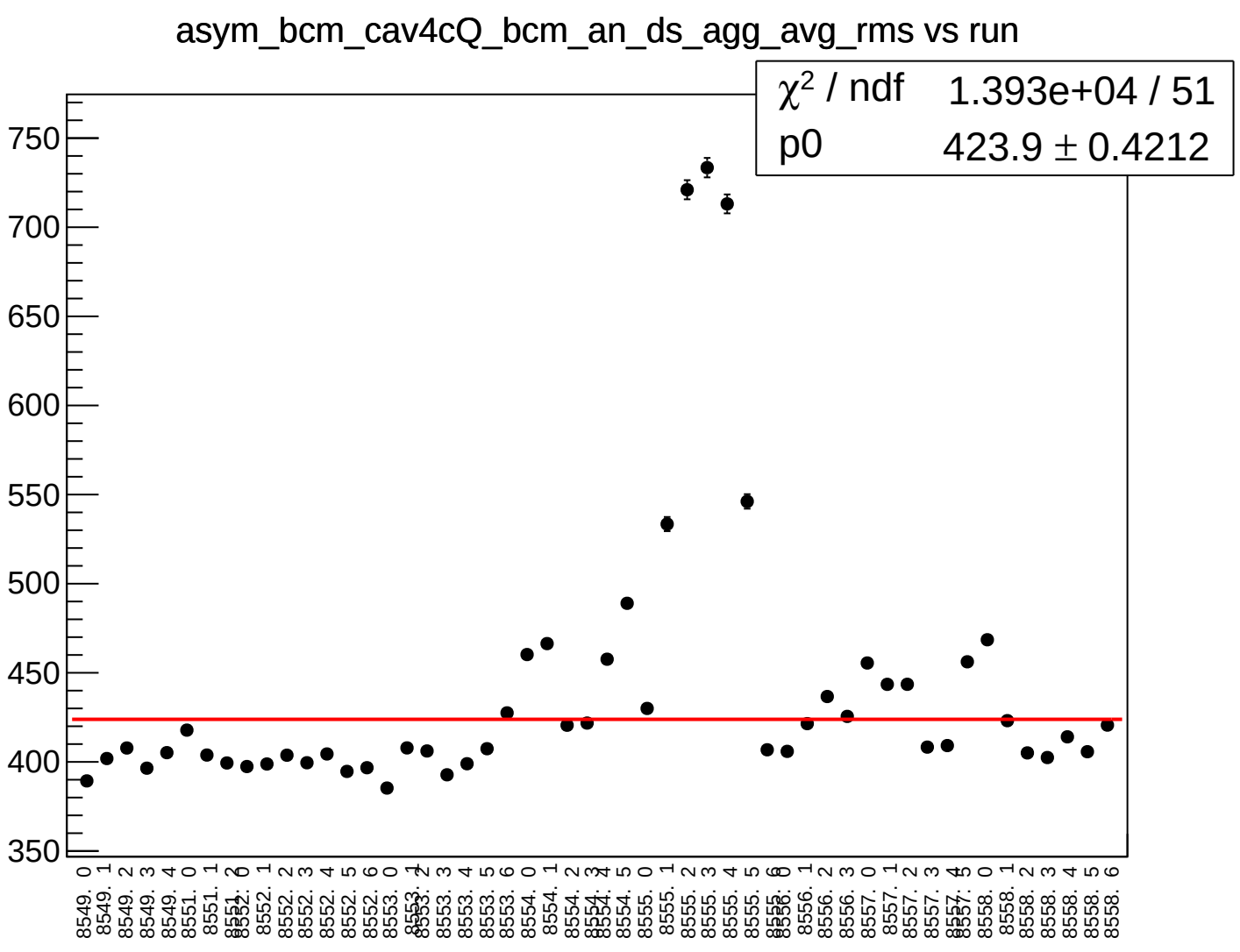

asym_bcm_cav4cQ_bcm_an_us_agg_dd_mean vs run
χ² / ndf 55.91 / 51
p0 23.45 ± 41.7
1000
500
0
−500
−1000
pull
Entries 52
Mean −260.8
Std Dev 0
2
1
0
−1
−2


pull1D
Entries 52
Mean 0.01144
Std Dev 1.037
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


asym_bcm_cav4cQ_bcm_an_us_agg_dd_rms vs run
χ² / ndf 1414 / 51
p0 29.86 ± 0.02949
34
33
32
31
30
29
28
27
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6


asym_bcm_cav4cQ_bcm_an_ds_agg_avg_mean vs run
χ² / ndf 14.3 / 51
p0 1026 ± 595.7
pull
Entries 52
Mean −32.37
Std Dev 0


pull1D
Entries 52
Mean 0.01568
Std Dev 0.5242


asym_bcm_cav4cQ_bcm_an_ds_agg_avg_rms vs run
χ² / ndf 1.393e+04 / 51
p0 423.9 ± 0.4212
750
700
650
600
550
500
450
400
350
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 5
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
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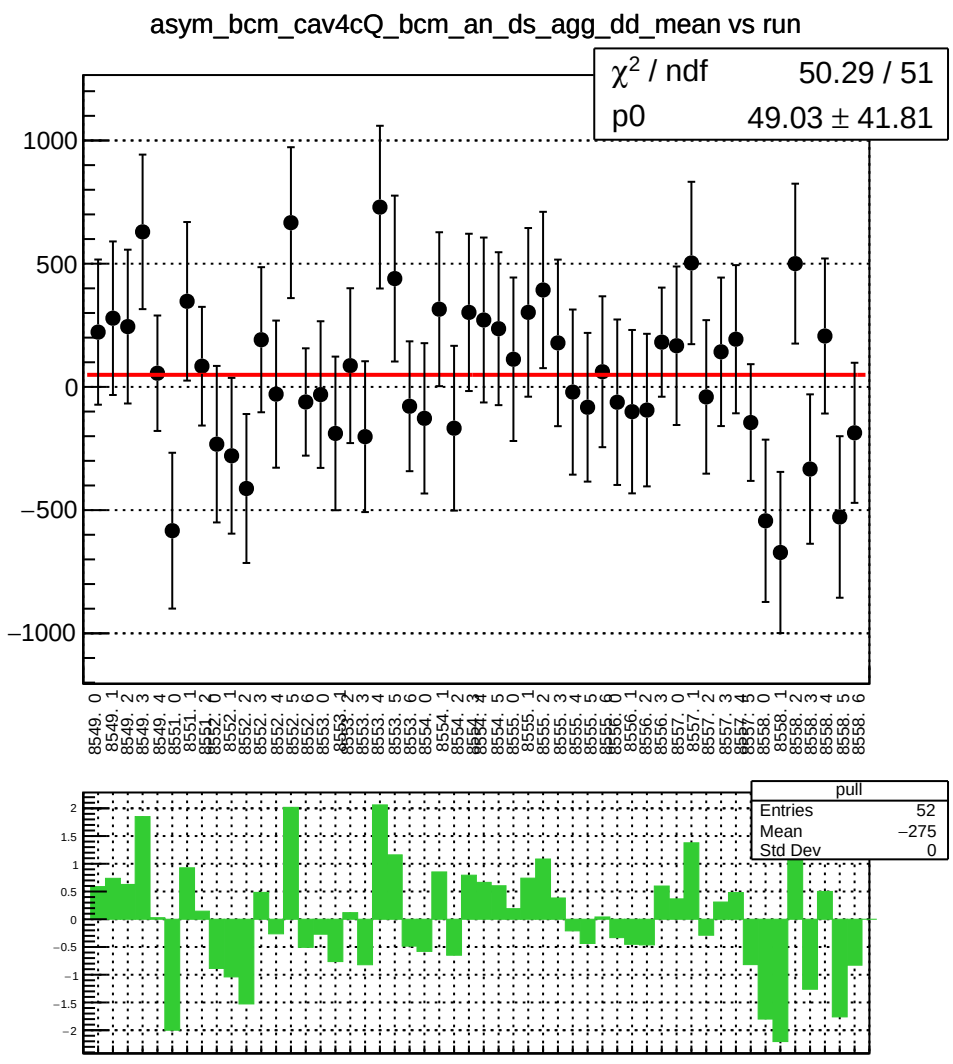
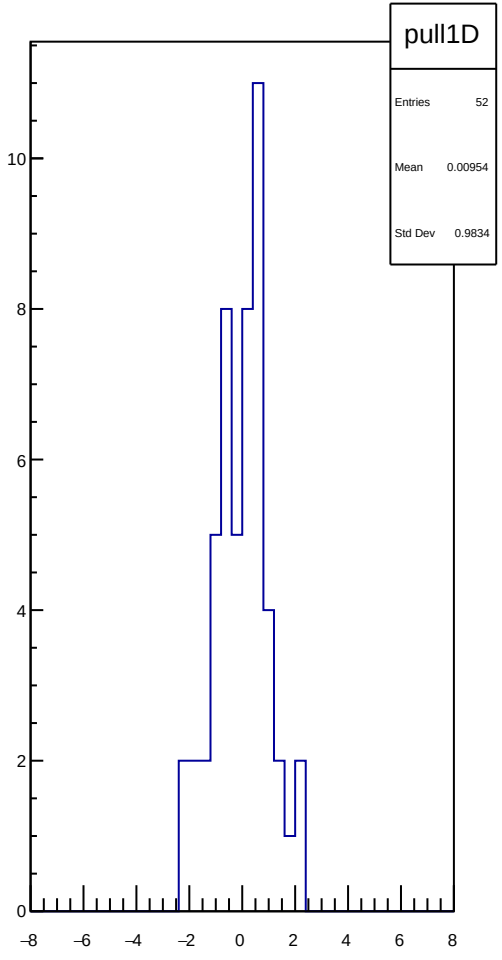
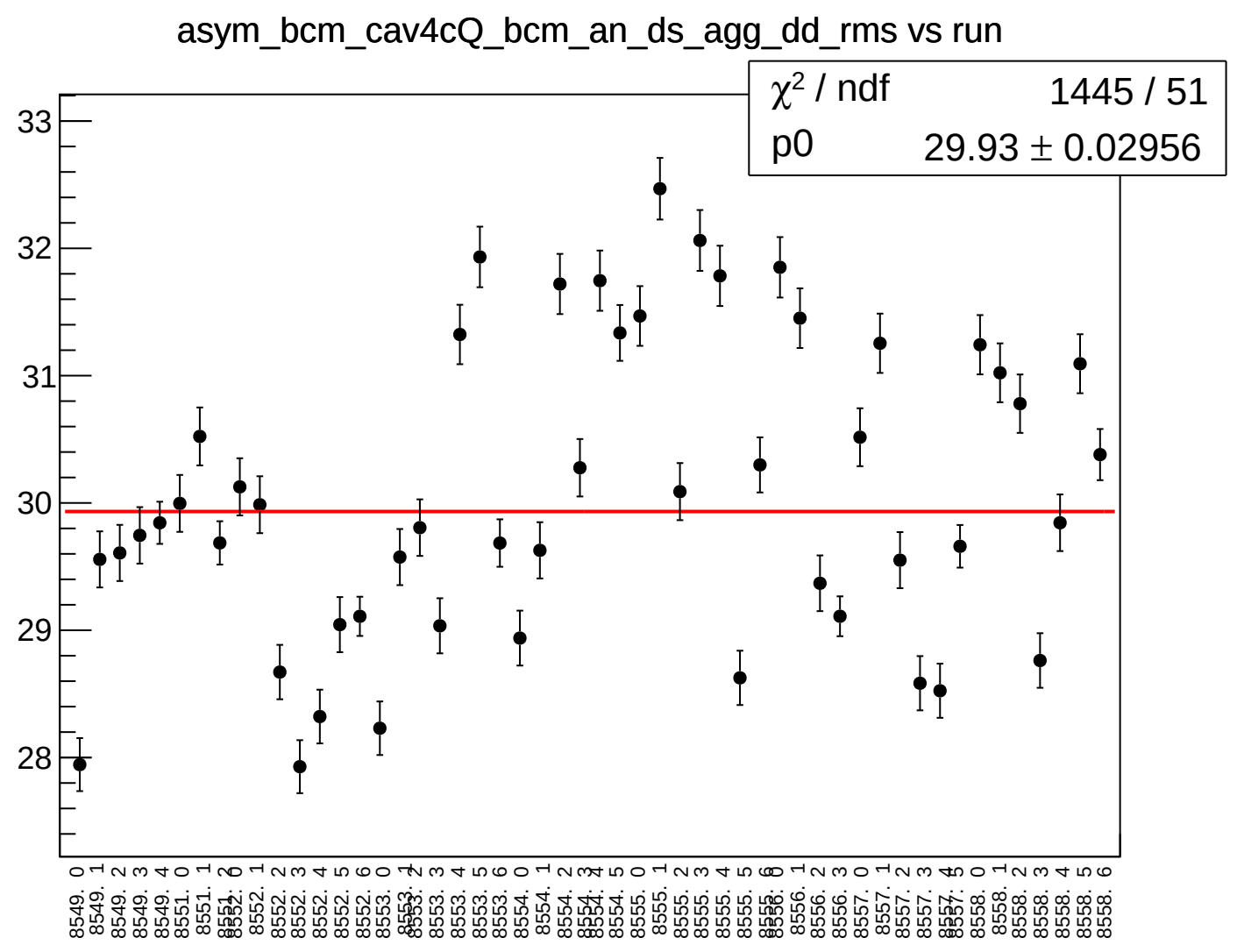
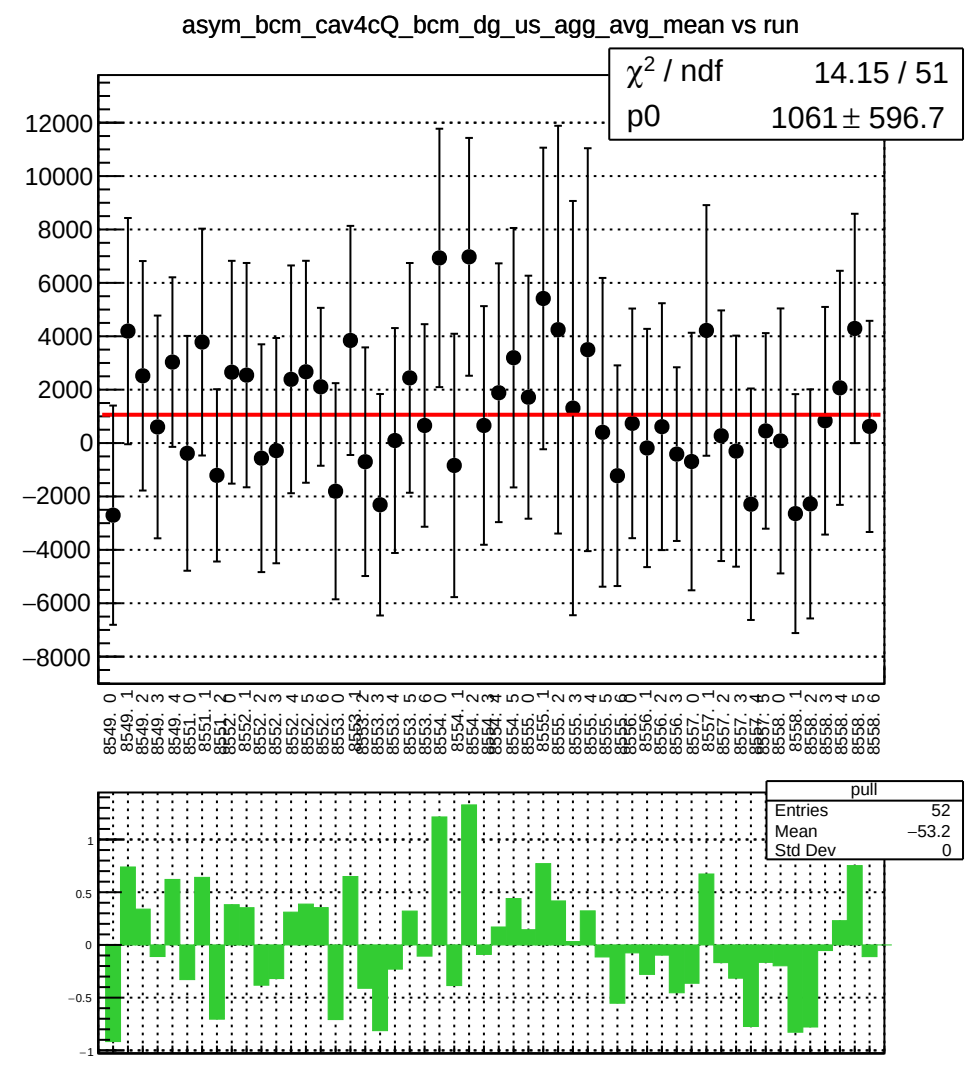
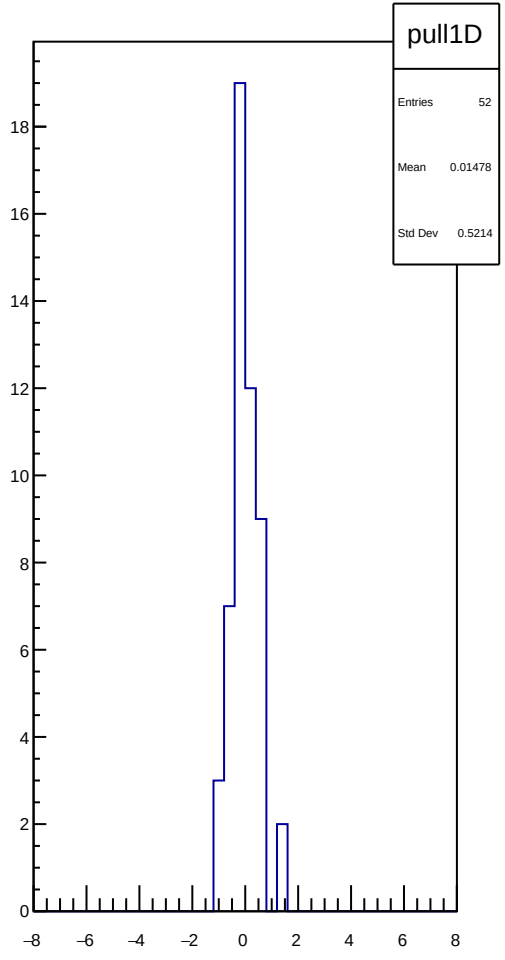
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

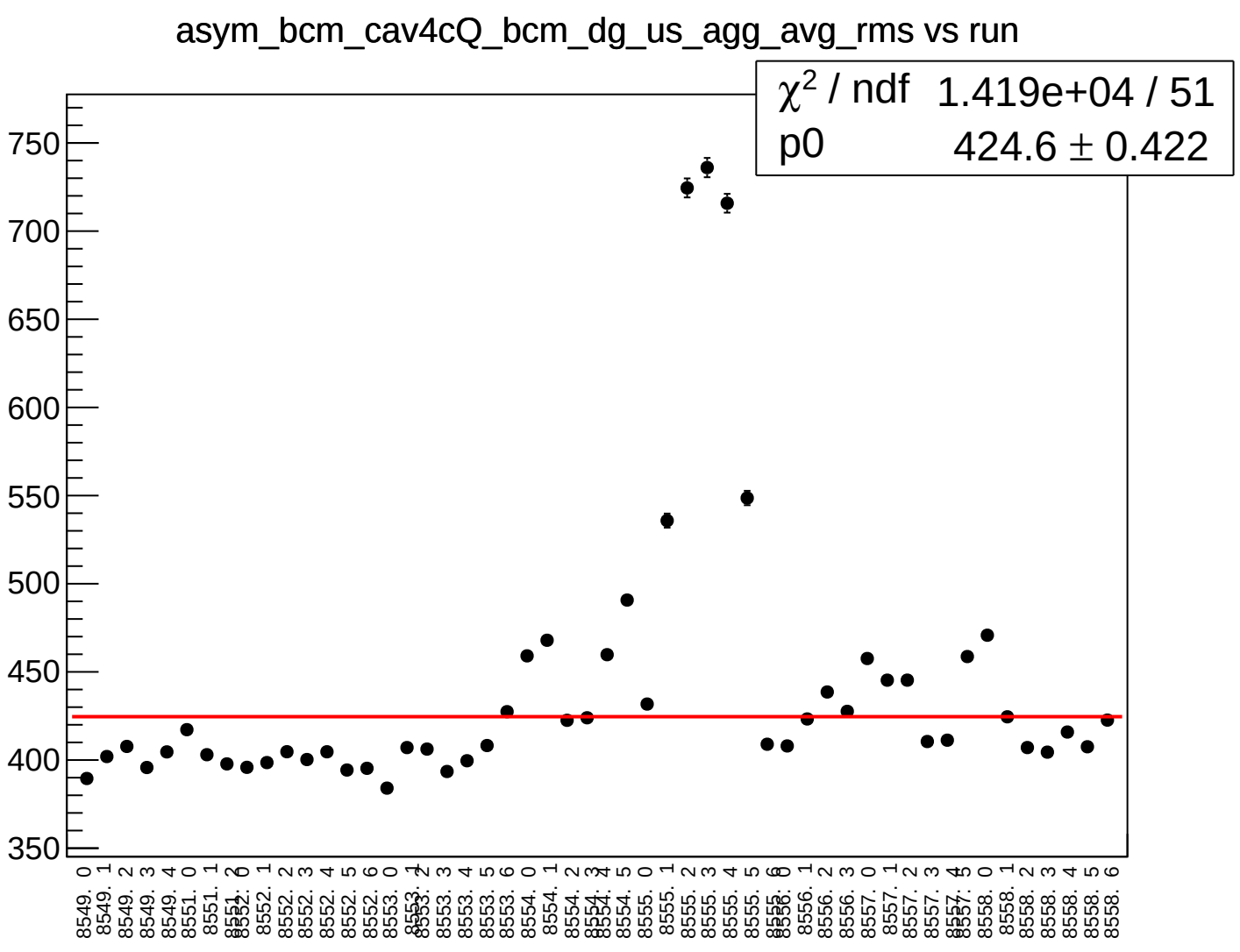

asym_bcm_cav4cQ_bcm_an_ds_agg_dd_mean vs run
χ² / ndf 50.29 / 51
p0 49.03 ± 41.81
1000
500
0
−500
−1000
pull
Entries 52
Mean −275
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

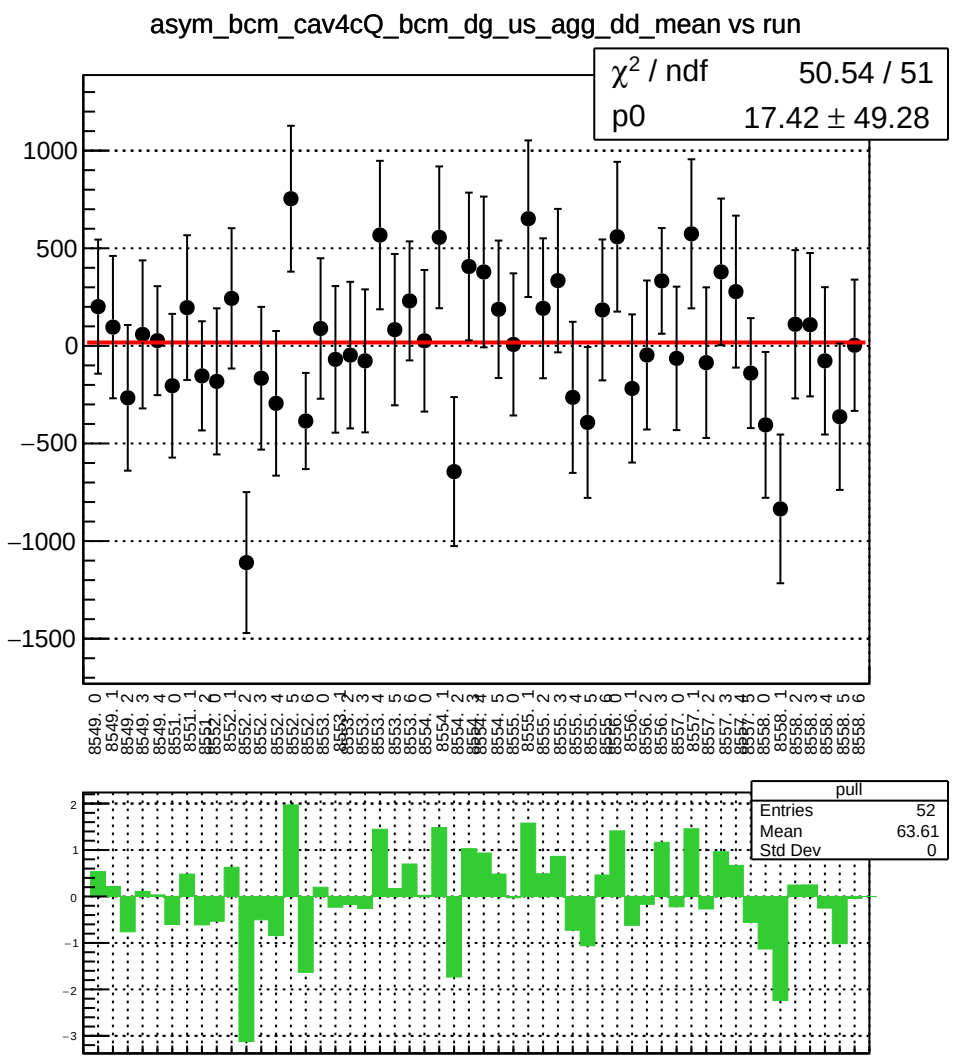

pull1D
Entries 52
Mean 0.00954
Std Dev 0.9834
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

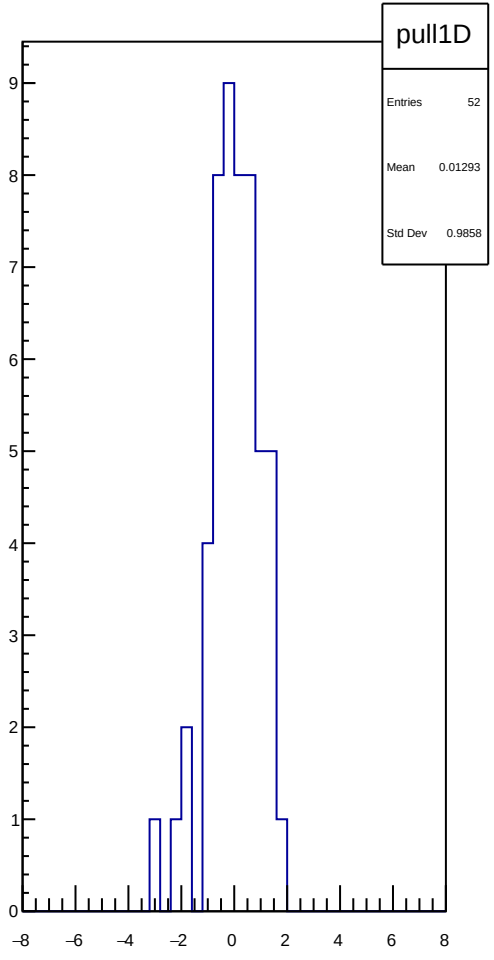

asym_bcm_cav4cQ_bcm_an_ds_agg_dd_rms vs run
χ² / ndf 1445 / 51
p0 29.93 ± 0.02956
33
32
31
30
29
28
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

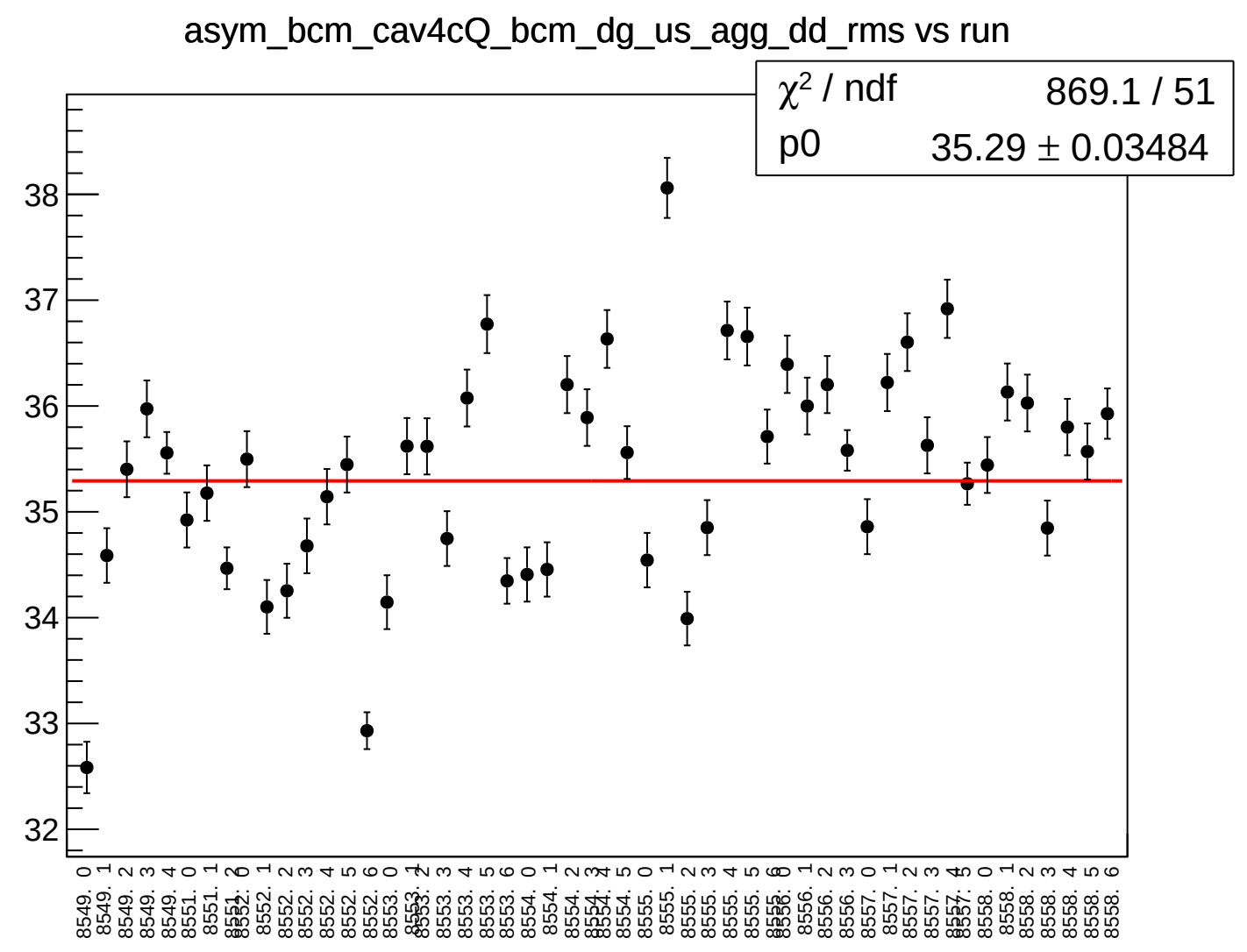

asym_bcm_cav4cQ_bcm_dg_us_agg_avg_mean vs run
χ² / ndf 14.15 / 51
p0 1061 ± 596.7
pull
Entries 52
Mean −53.2
Std Dev 0

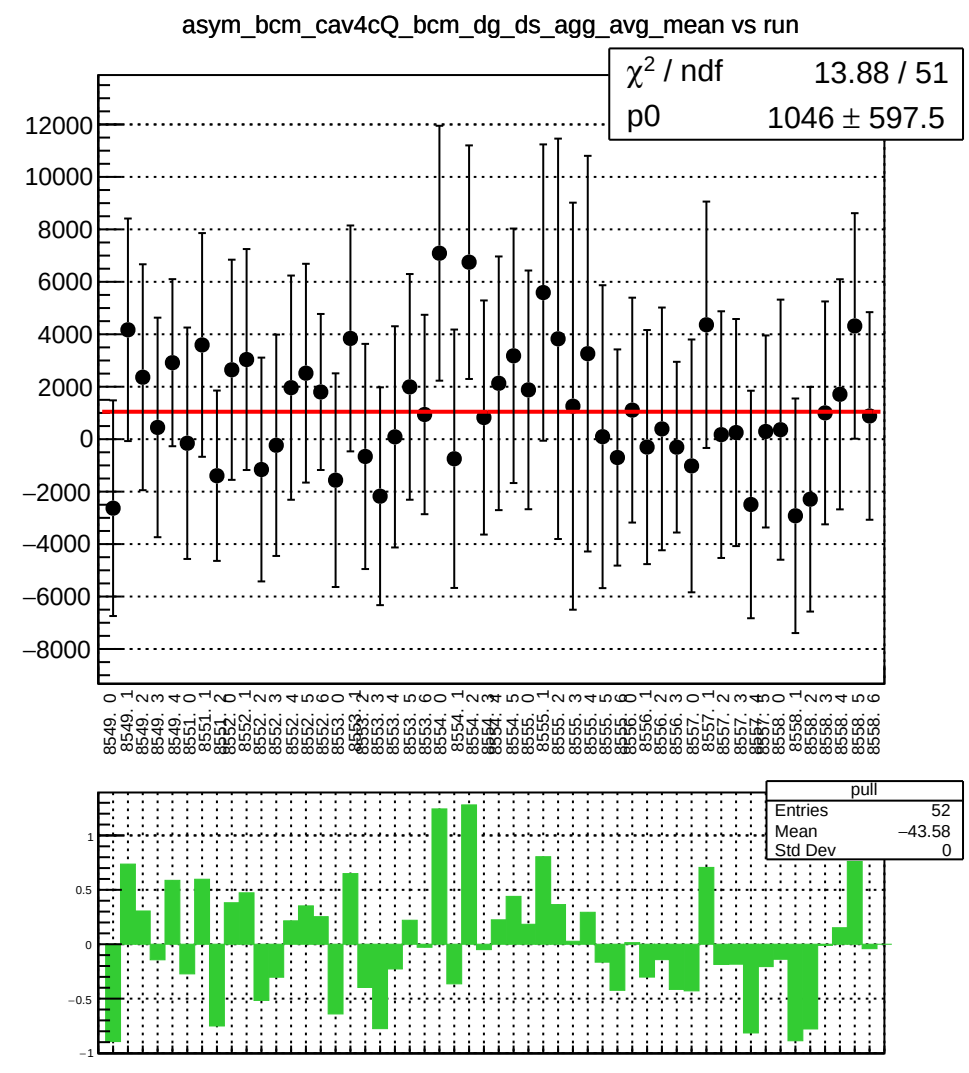

pull1D
Entries 52
Mean 0.01478
Std Dev 0.5214

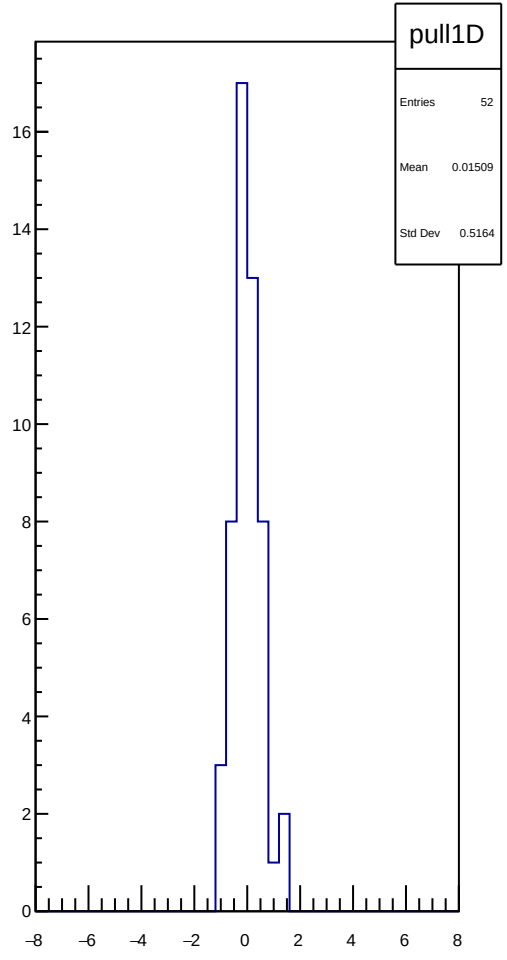

asym_bcm_cav4cQ_bcm_dg_us_agg_avg_rms vs run
χ² / ndf 1.419e+04 / 51
p0 424.6 ± 0.422
750
700
650
600
550
500
450
400
350
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

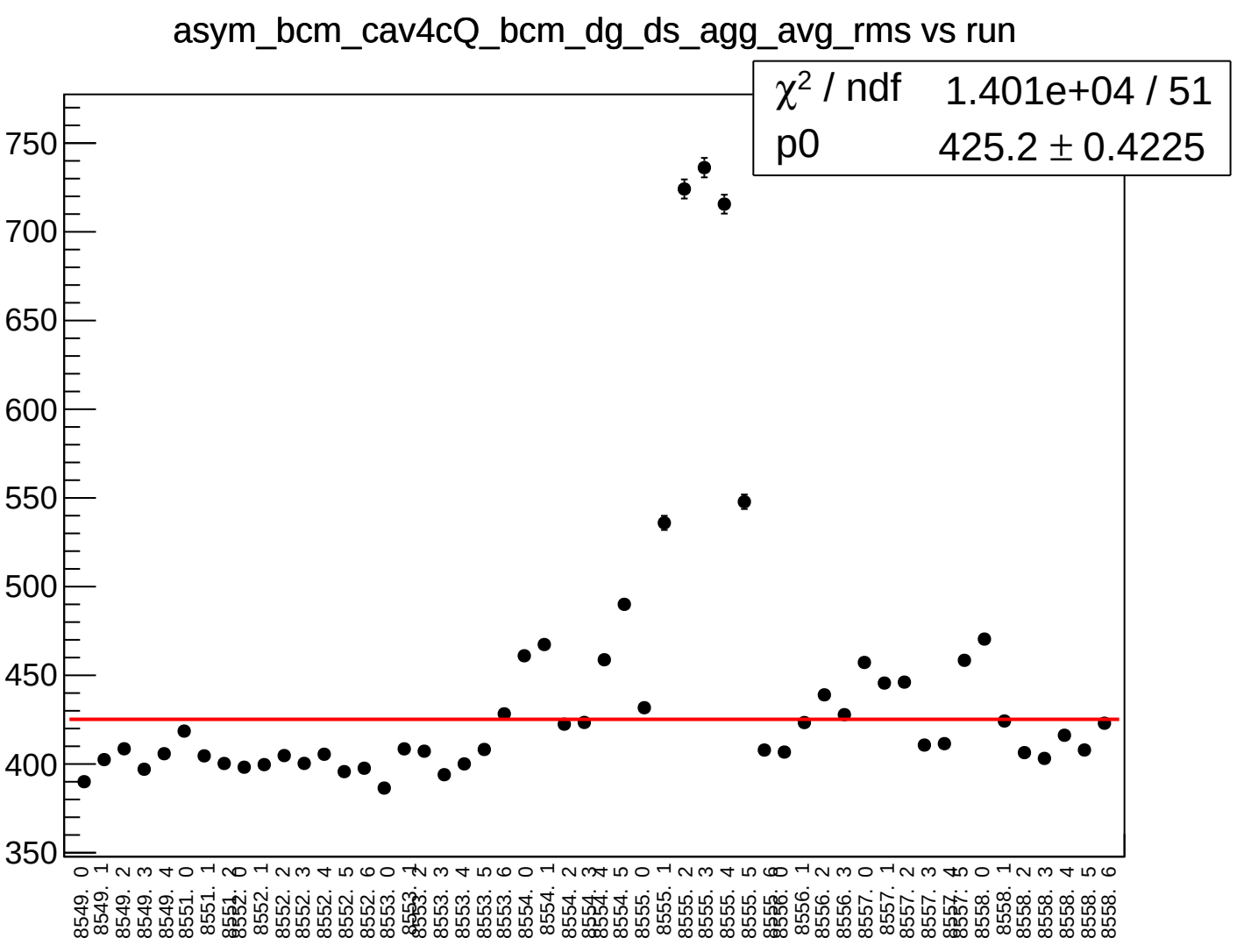

asym_bcm_cav4cQ_bcm_dg_us_agg_dd_mean vs run
χ² / ndf 50.54 / 51
p0 17.42 ± 49.28
1000
500
0
−500
−1000
−1500
pull
Entries 52
Mean 63.61
Std Dev 0
2
1
0
−1
−2
−3

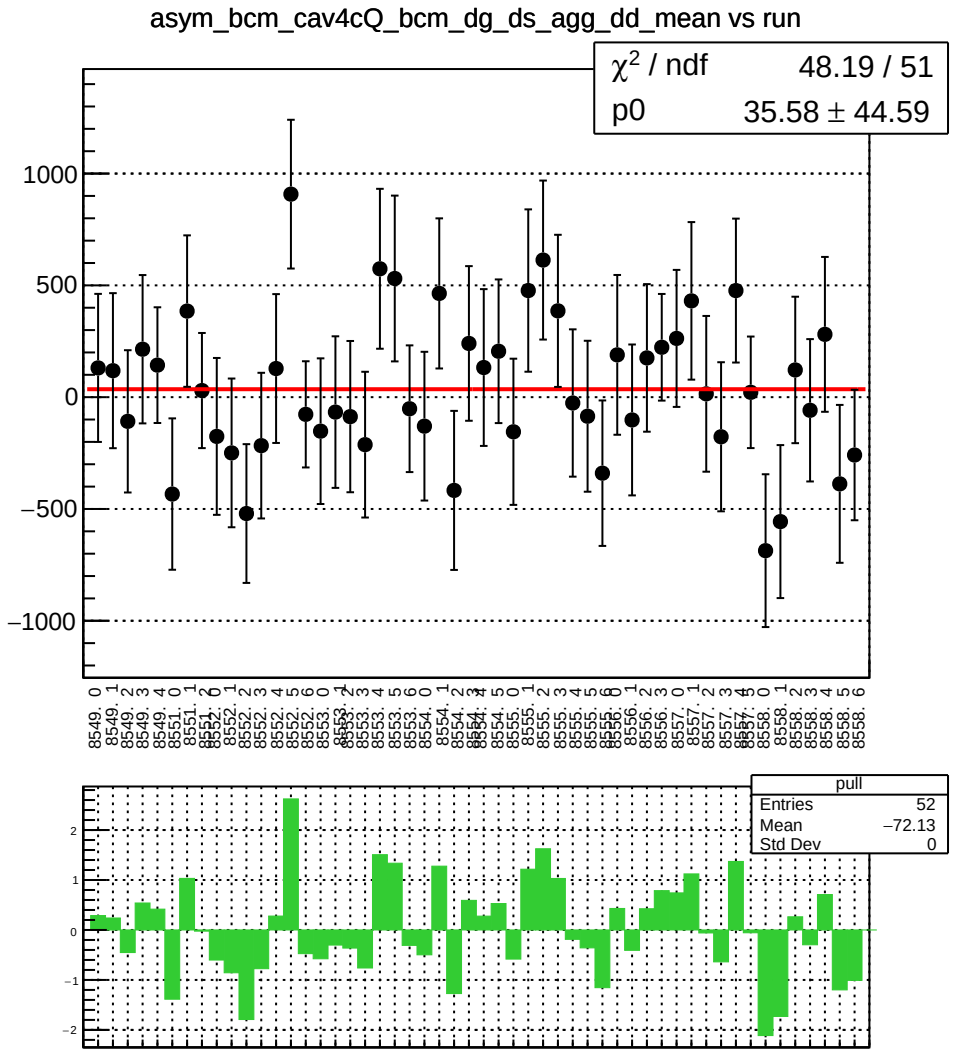

pull1D
Entries 52
Mean 0.01293
Std Dev 0.9858
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

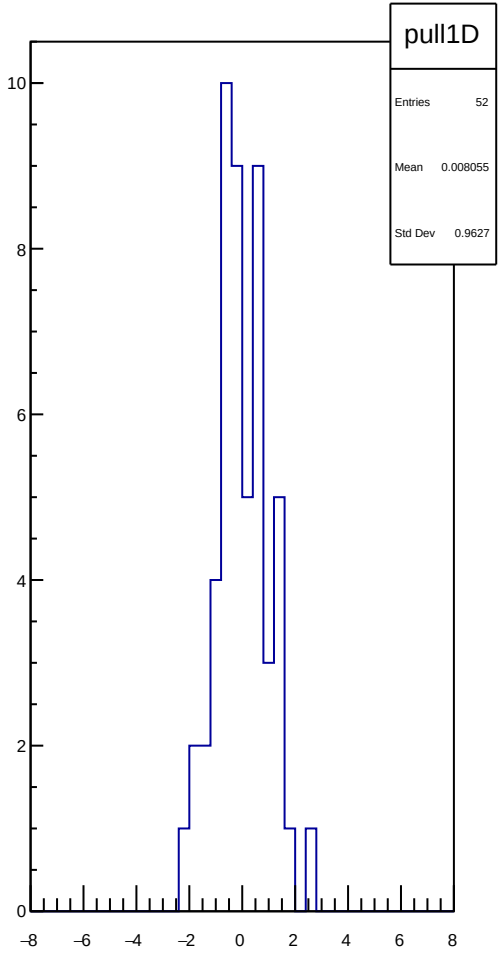

asym_bcm_cav4cQ_bcm_dg_us_agg_dd_rms vs run
χ² / ndf 869.1 / 51
p0 35.29 ± 0.03484
38
37
36
35
34
33
32
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

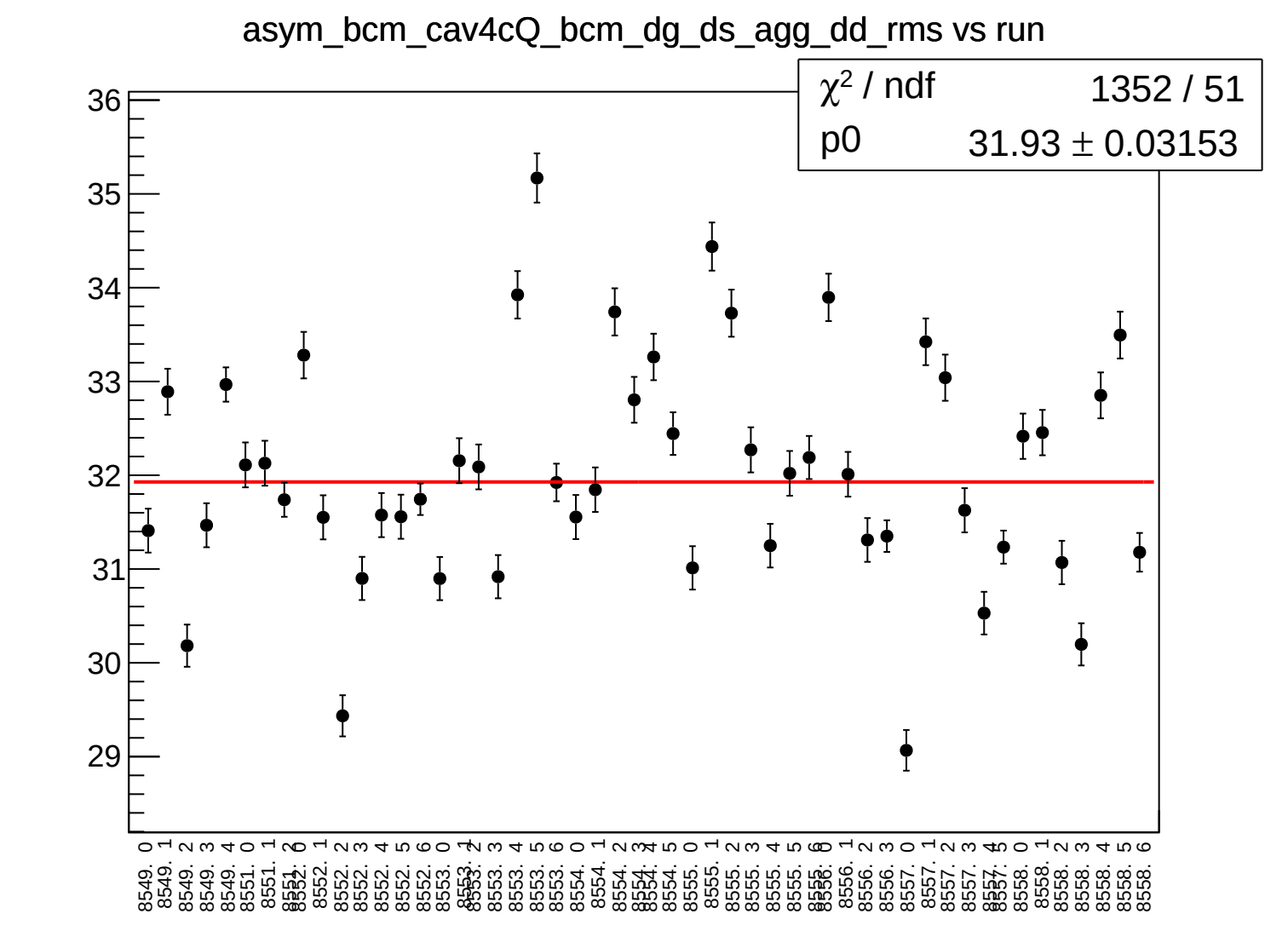

asym_bcm_cav4cQ_bcm_dg_ds_agg_avg_mean vs run
χ² / ndf 13.88 / 51
p0 1046 ± 597.5
pull
Entries 52
Mean −43.58
Std Dev 0

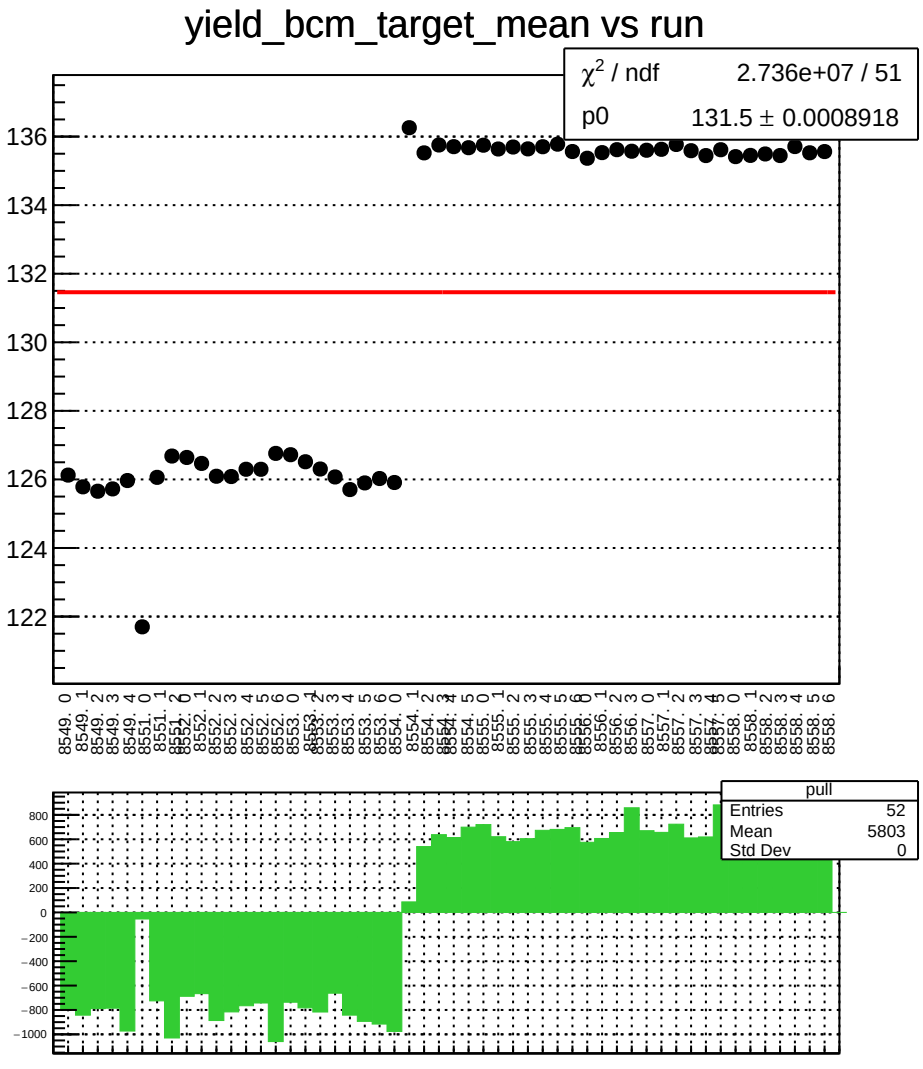

pull1D
Entries 52
Mean 0.01509
Std Dev 0.5164

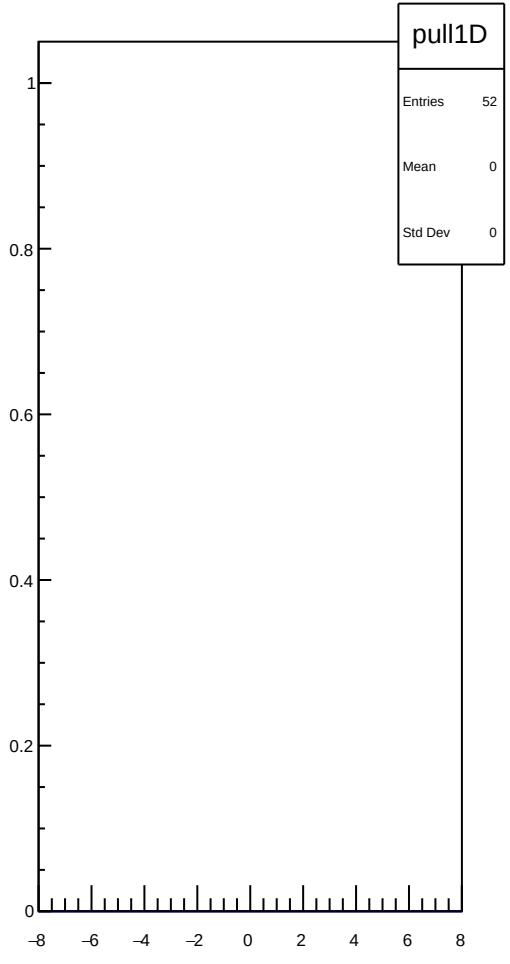

asym_bcm_cav4cQ_bcm_dg_ds_agg_avg_rms vs run
χ² / ndf 1.401e+04 / 51
p0 425.2 ± 0.4225
750
700
650
600
550
500
450
400
350
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 5
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

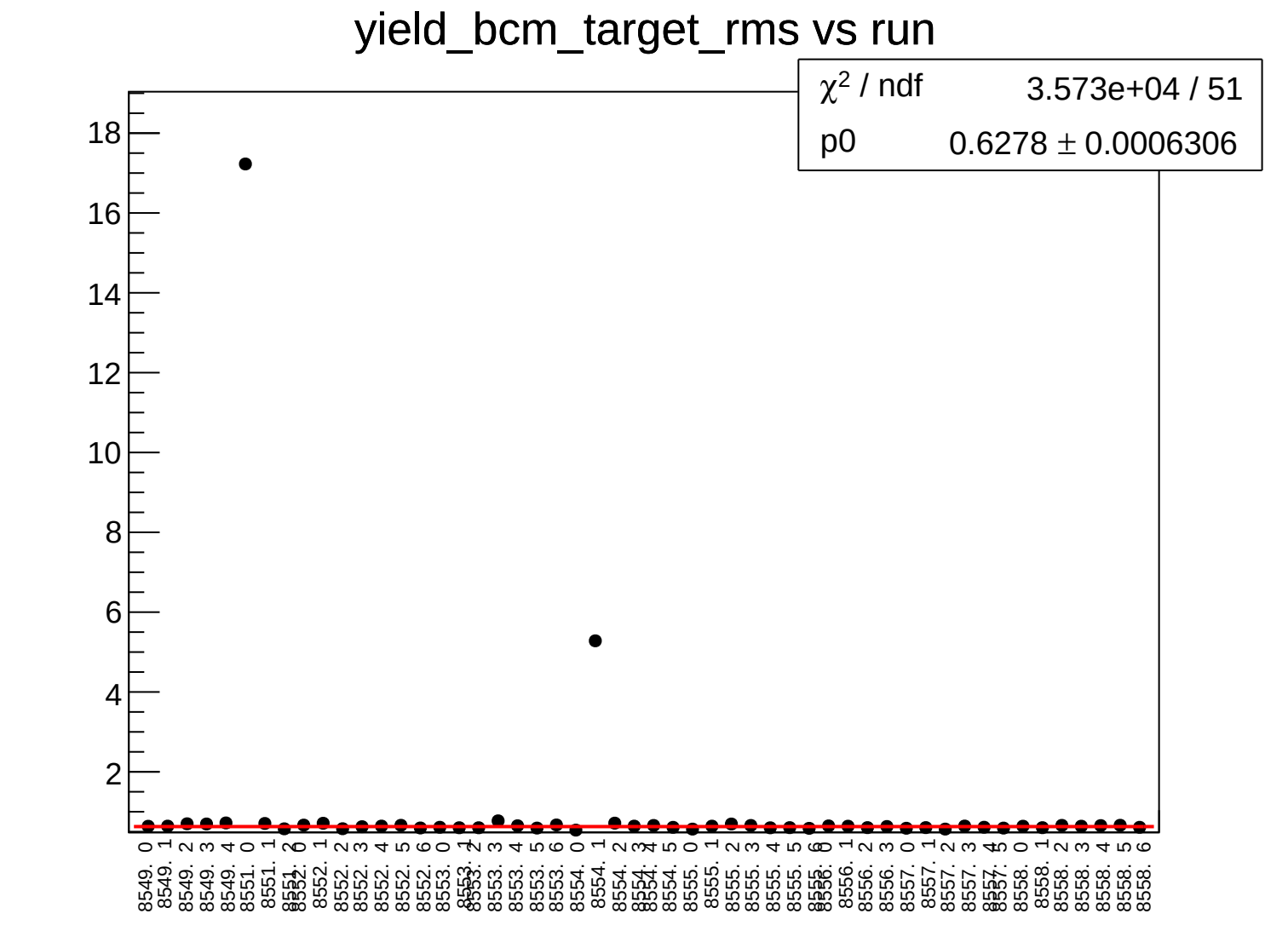

asym_bcm_cav4cQ_bcm_dg_ds_agg_dd_mean vs run
χ² / ndf 48.19 / 51
p0 35.58 ± 44.59
1000
500
0
−500
−1000
pull
Entries 52
Mean −72.13
Std Dev 0
2
1
0
−1
−2


pull1D
Entries 52
Mean 0.008055
Std Dev 0.9627
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


asym_bcm_cav4cQ_bcm_dg_ds_agg_dd_rms vs run
χ² / ndf 1352 / 51
p0 31.93 ± 0.03153
36
35
34
33
32
31
30
29
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 5
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6


yield_bcm_target_mean vs run
χ² / ndf 2.736e+07 / 51
p0 131.5 ± 0.0008918
136
134
132
130
128
126
124
122
pull
Entries 52
Mean 5803
Std Dev 0
800
600
400
200
0
−200
−400
−600
−800
−1000


pull1D
Entries 52
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 3.573e+04 / 51
p0 0.6278 ± 0.0006306
18
16
14
12
10
8
6
4
2
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
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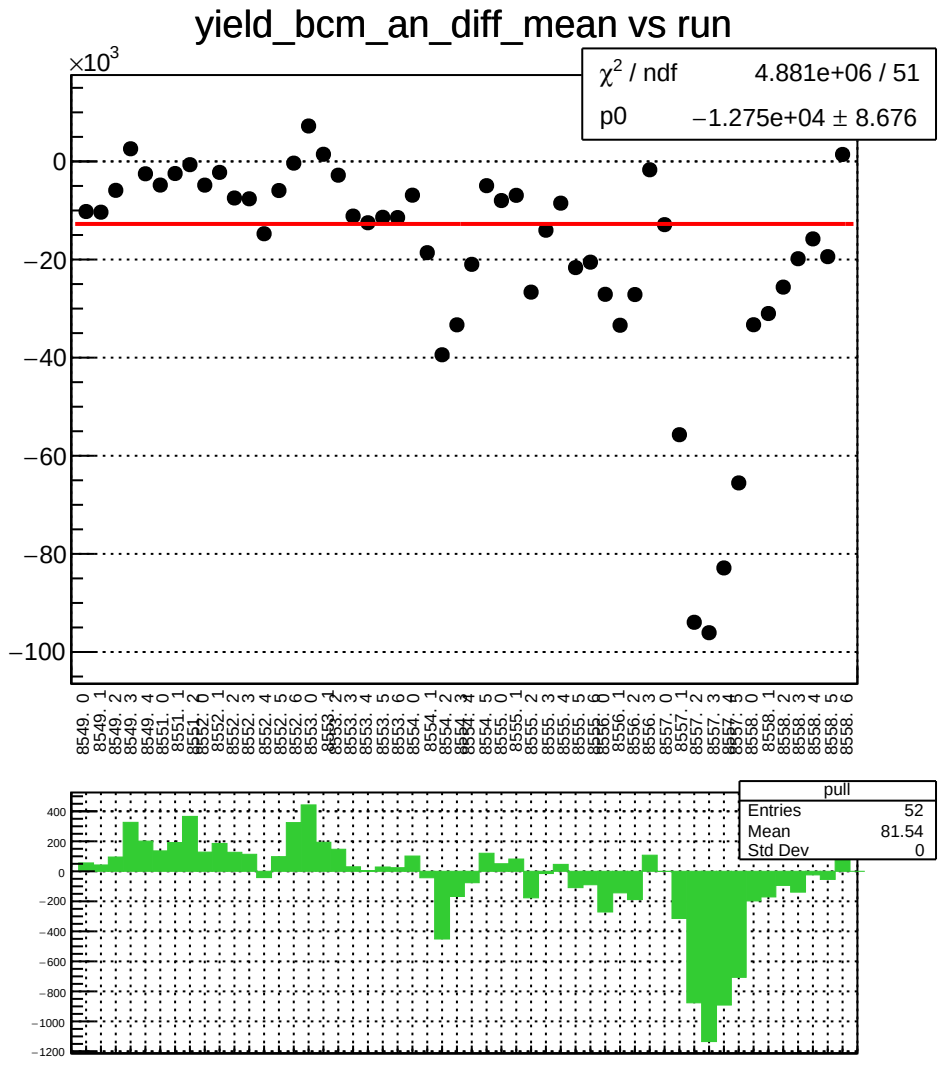
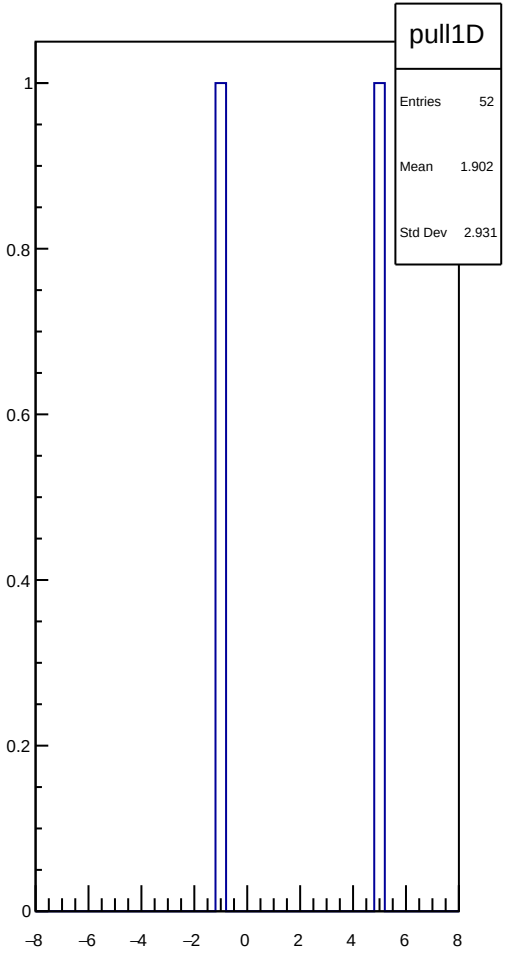
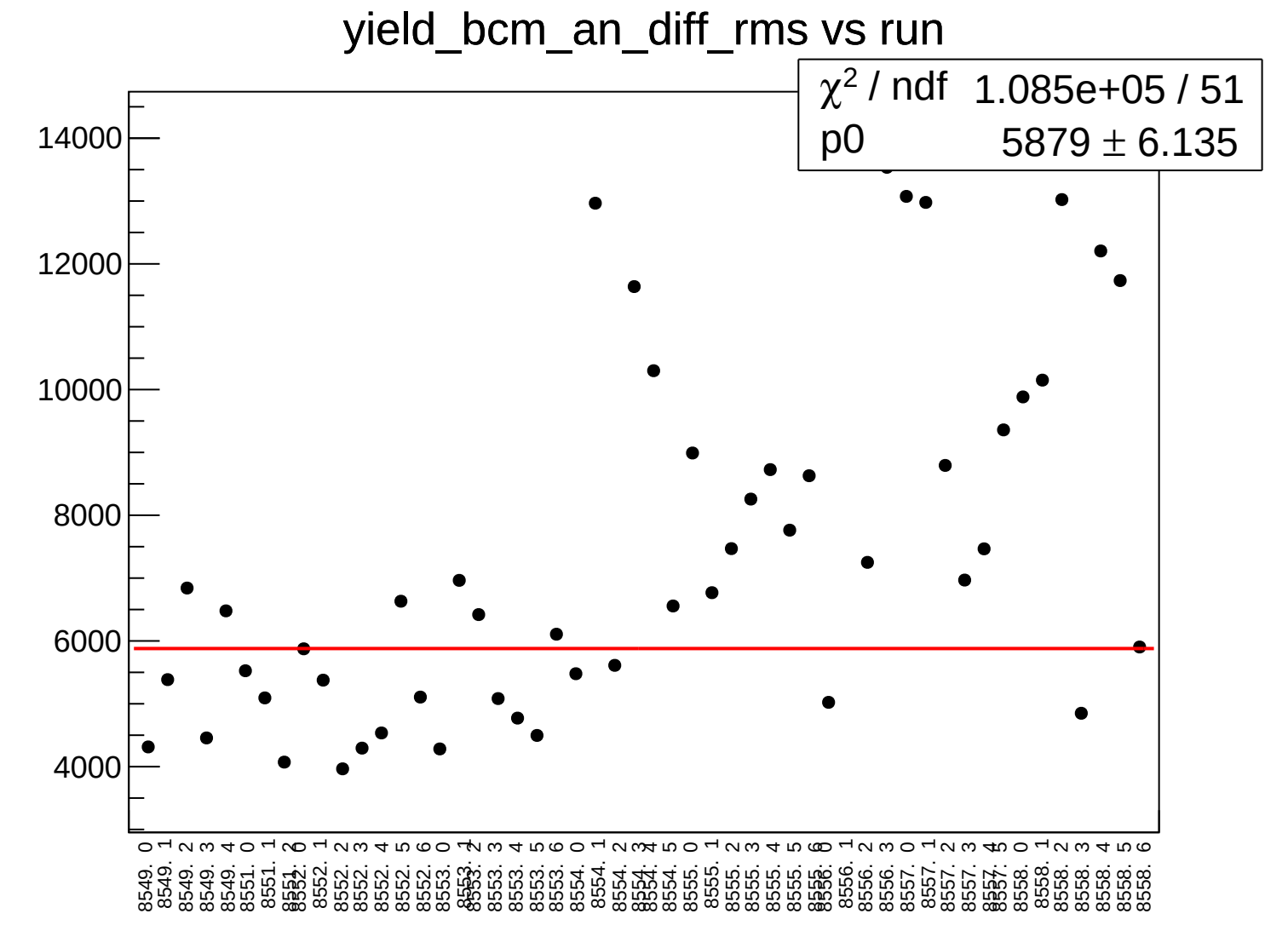
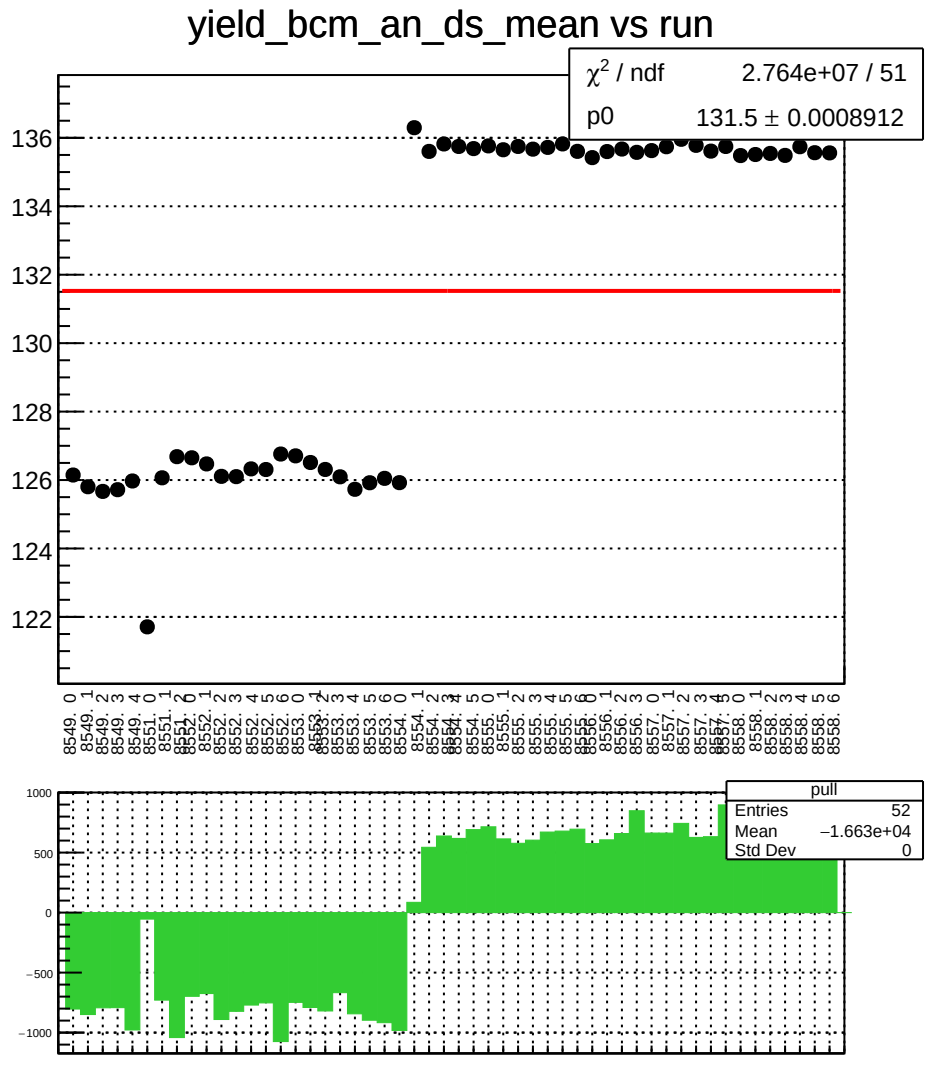
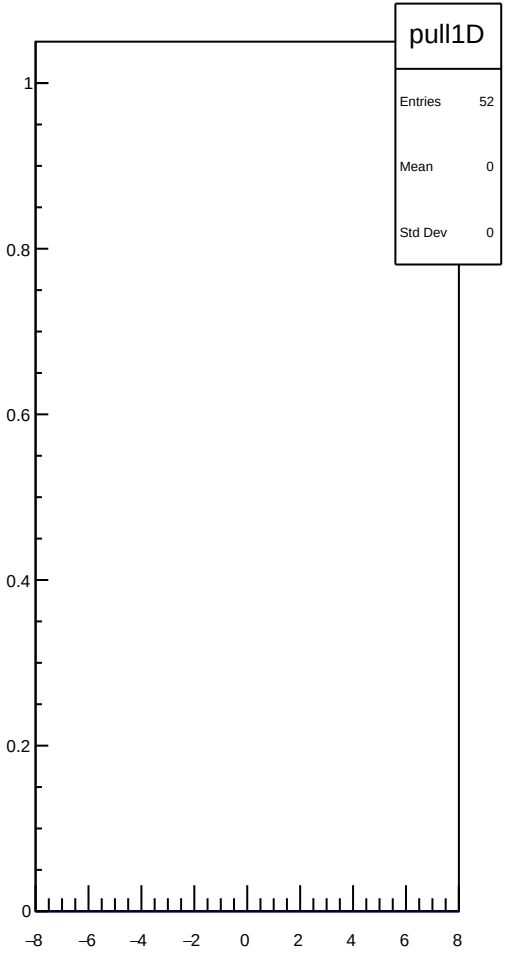
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

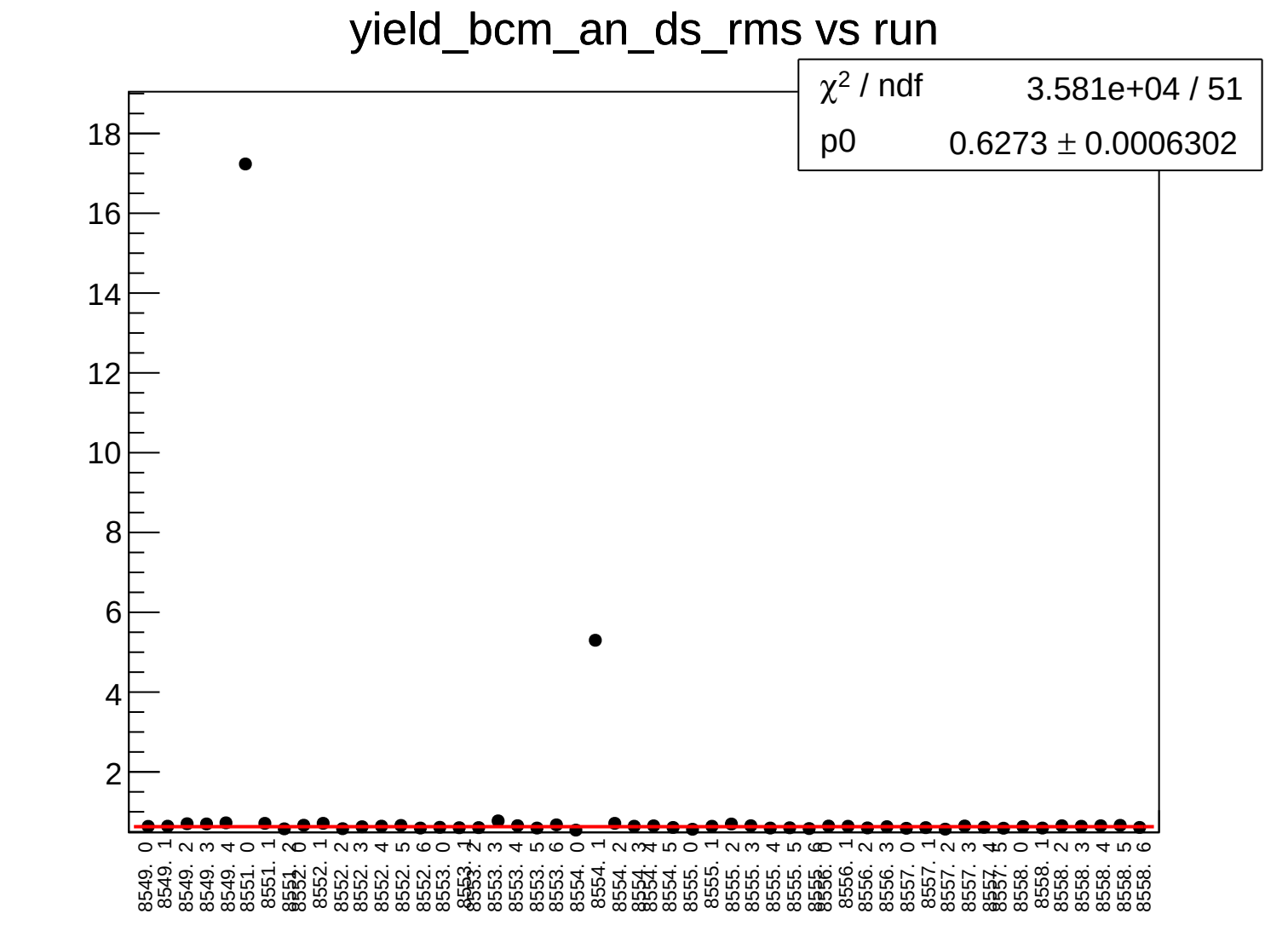

yield_bcm_an_diff_mean vs run
×10^3
χ² / ndf 4.881e+06 / 51
p0 −1.275e+04 ± 8.676
pull
Entries 52
Mean 81.54
Std Dev 0

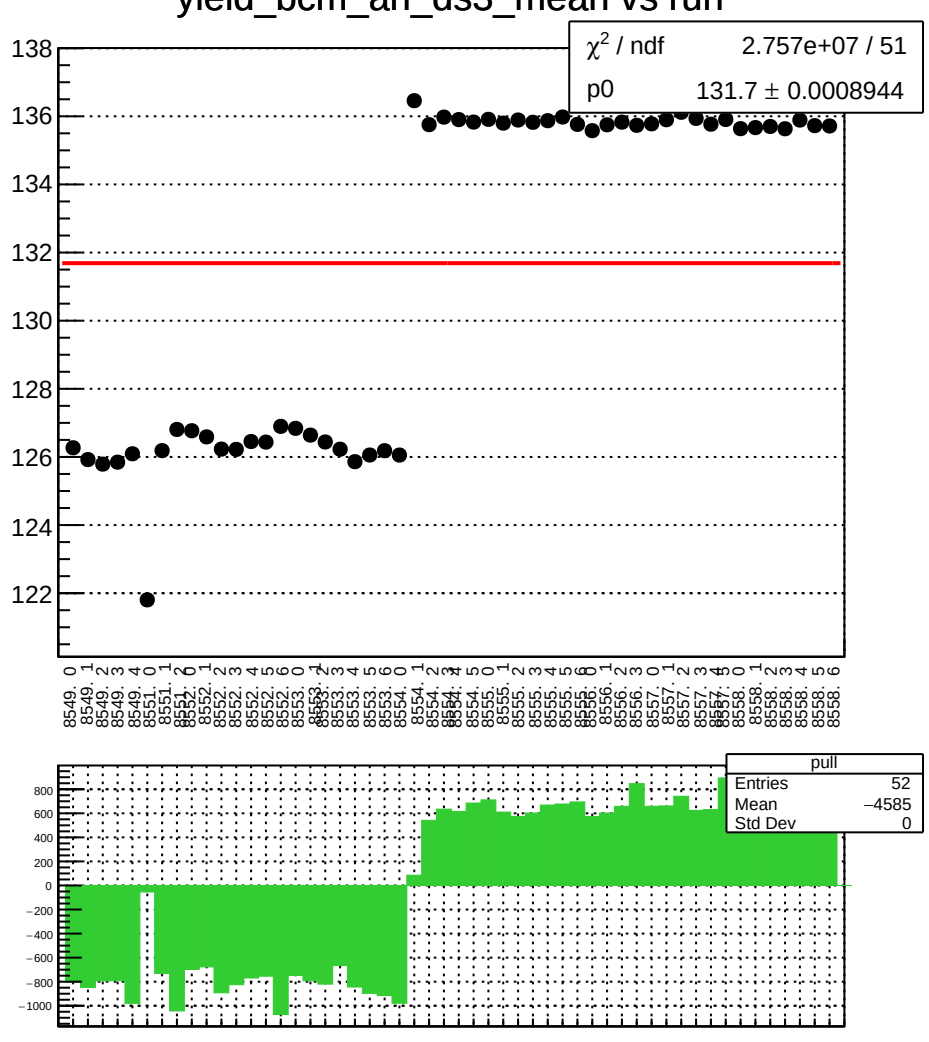

pull1D
Entries 52
Mean 1.902
Std Dev 2.931

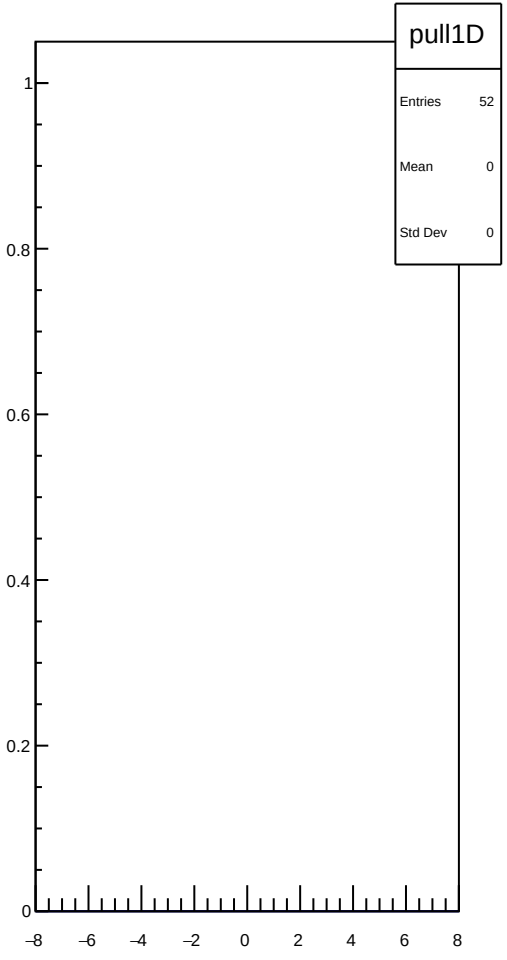

yield_bcm_an_diff_rms vs run
χ² / ndf 1.085e+05 / 51
p0 5879 ± 6.135
14000
12000
10000
8000
6000
4000
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 5
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

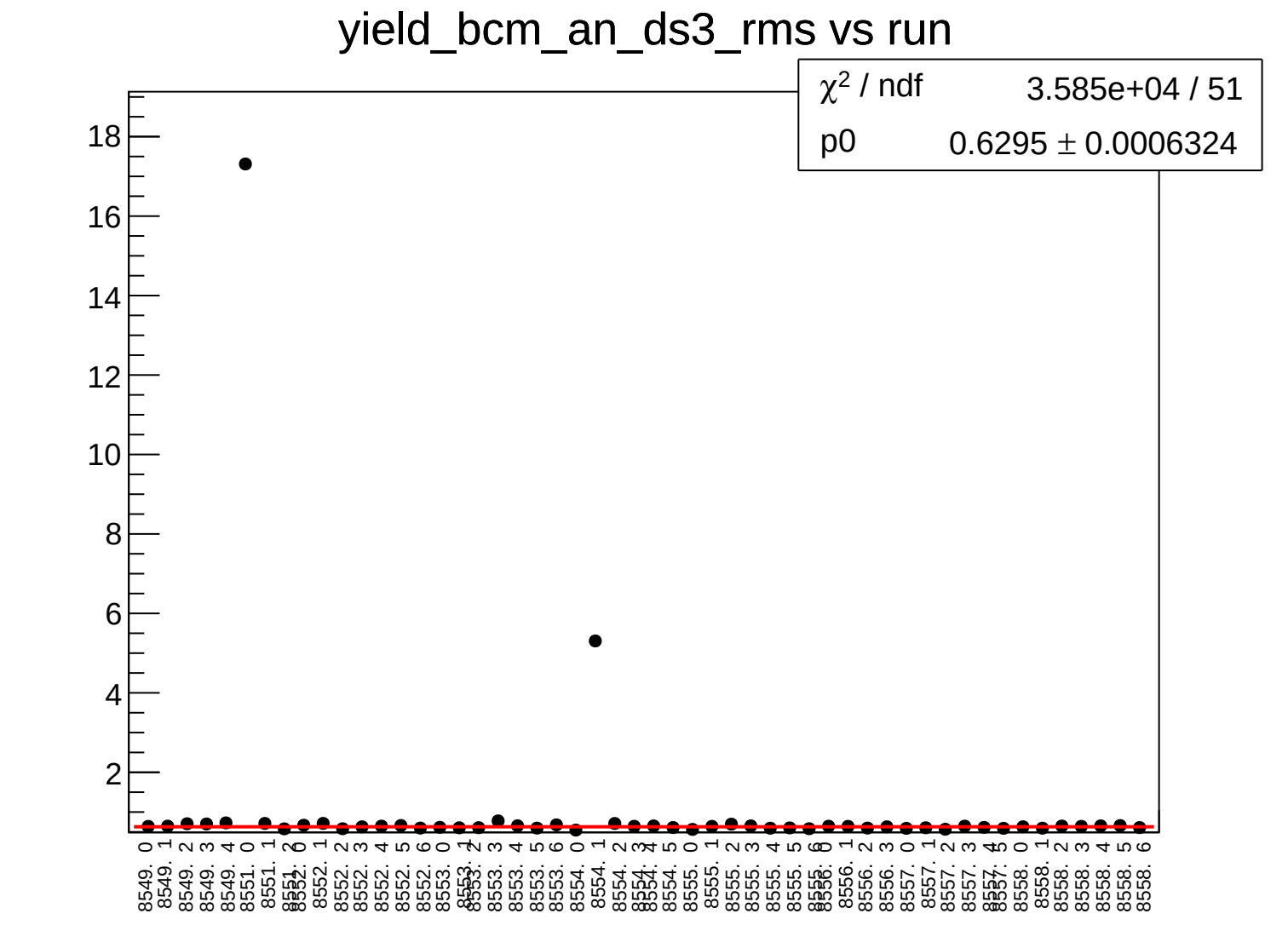

yield_bcm_an_ds_mean vs run
χ² / ndf 2.764e+07 / 51
p0 131.5 ± 0.0008912
136
134
132
130
128
126
124
122
pull
Entries 52
Mean −1.663e+04
Std Dev 0
1000
500
0
−500
−1000

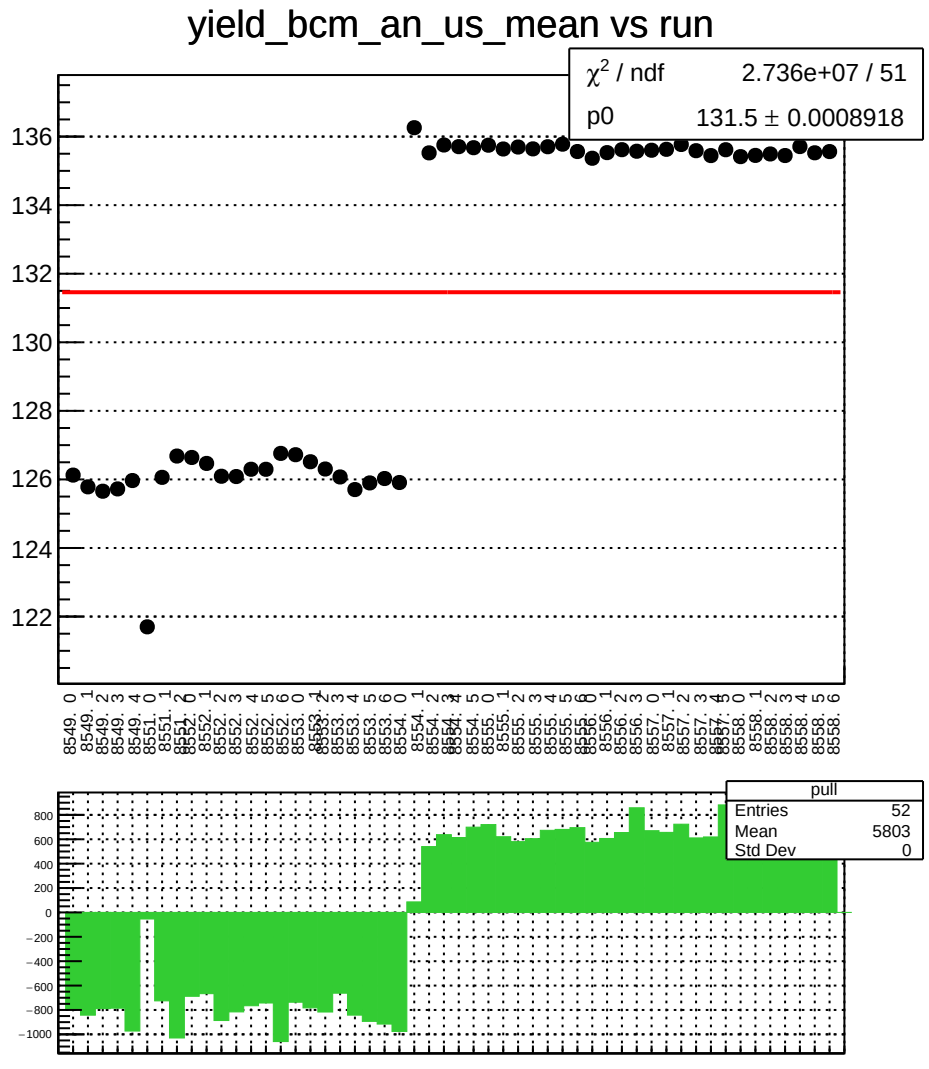

pull1D
Entries 52
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

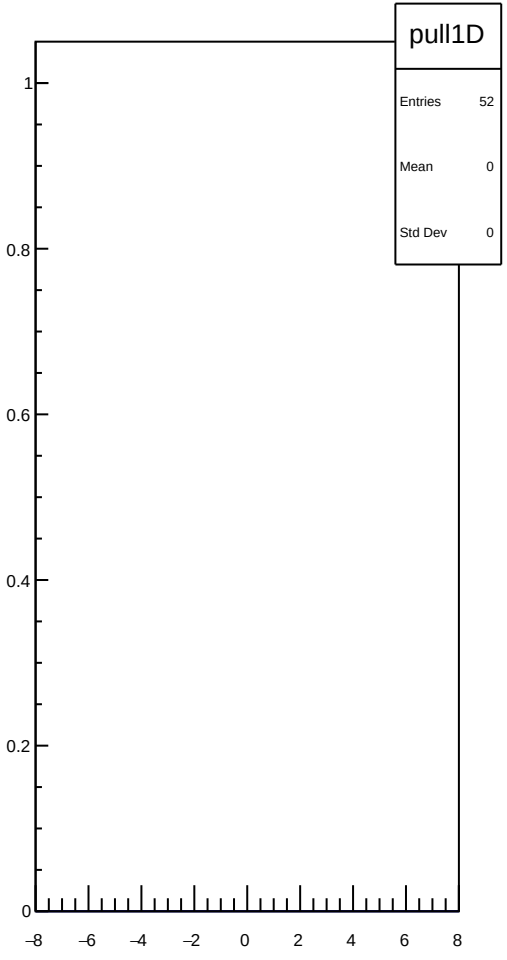

yield_bcm_an_ds_rms vs run
χ² / ndf 3.581e+04 / 51
p0 0.6273 ± 0.0006302
18
16
14
12
10
8
6
4
2
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

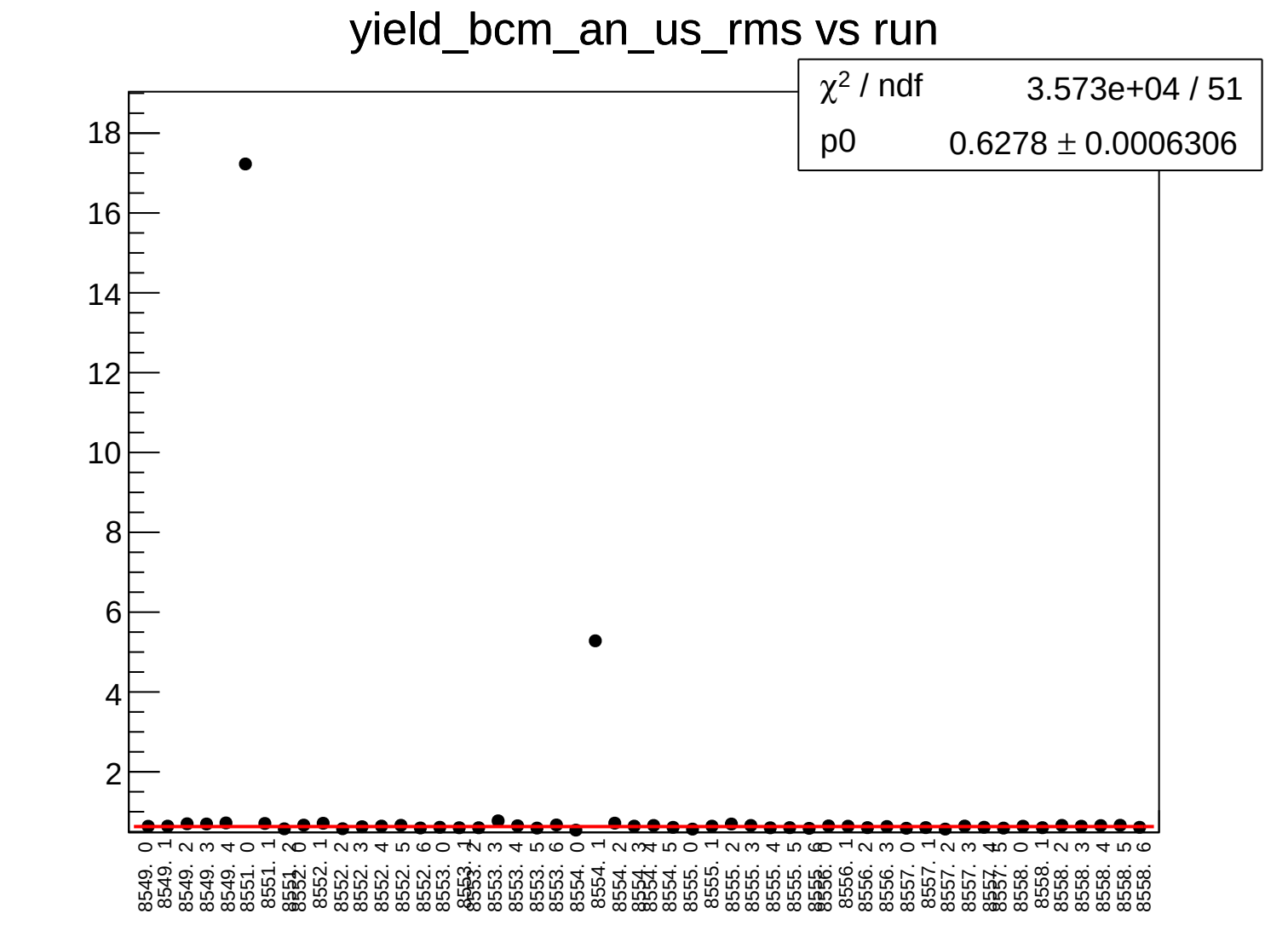

yield_bcm_an_ds3_mean vs run
χ² / ndf 2.757e+07 / 51
p0 131.7 ± 0.0008944
pull
Entries 52
Mean −4585
Std Dev 0

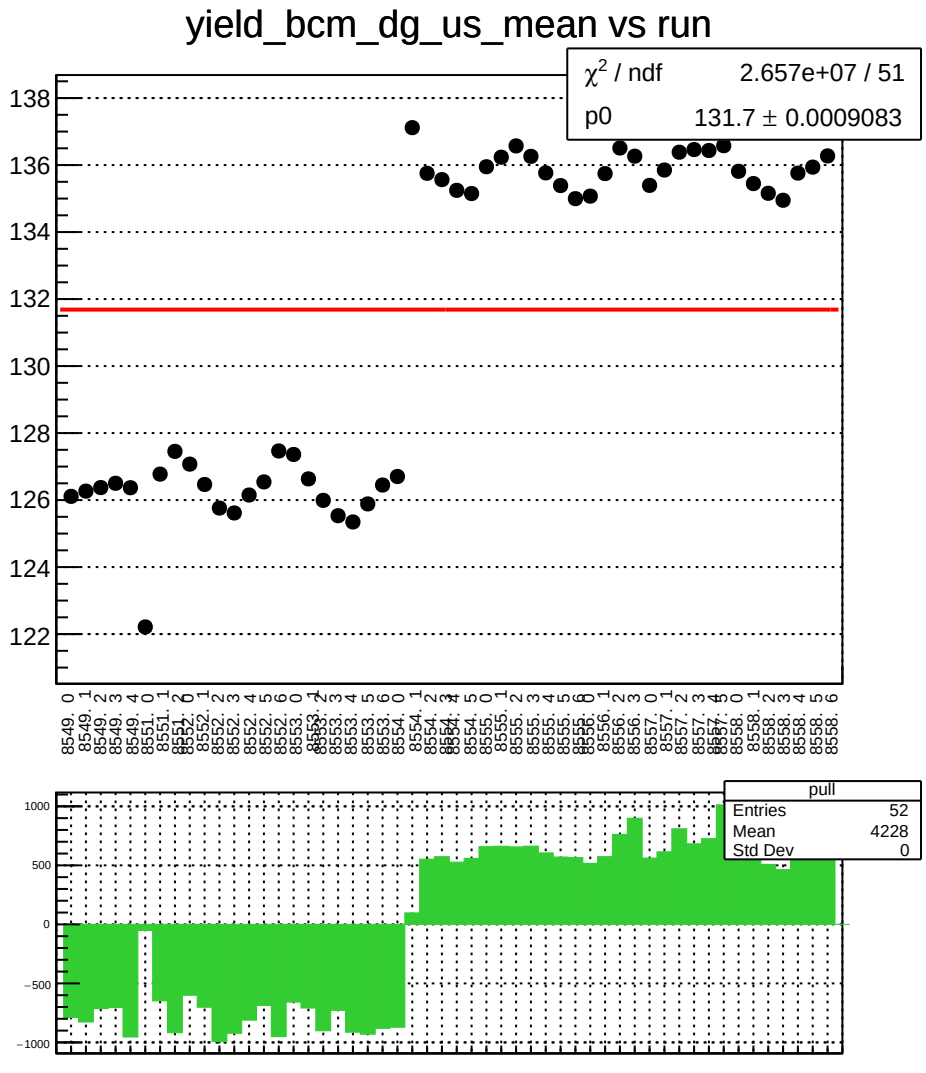

pull1D
Entries 52
Mean 0
Std Dev 0

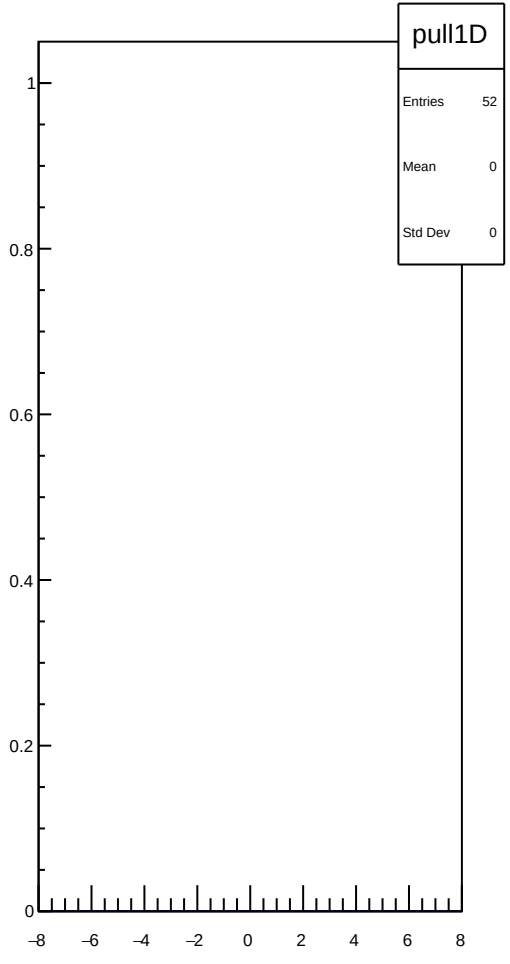

yield_bcm_an_ds3_rms vs run
χ² / ndf 3.585e+04 / 51
p0 0.6295 ± 0.0006324
18
16
14
12
10
8
6
4
2
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

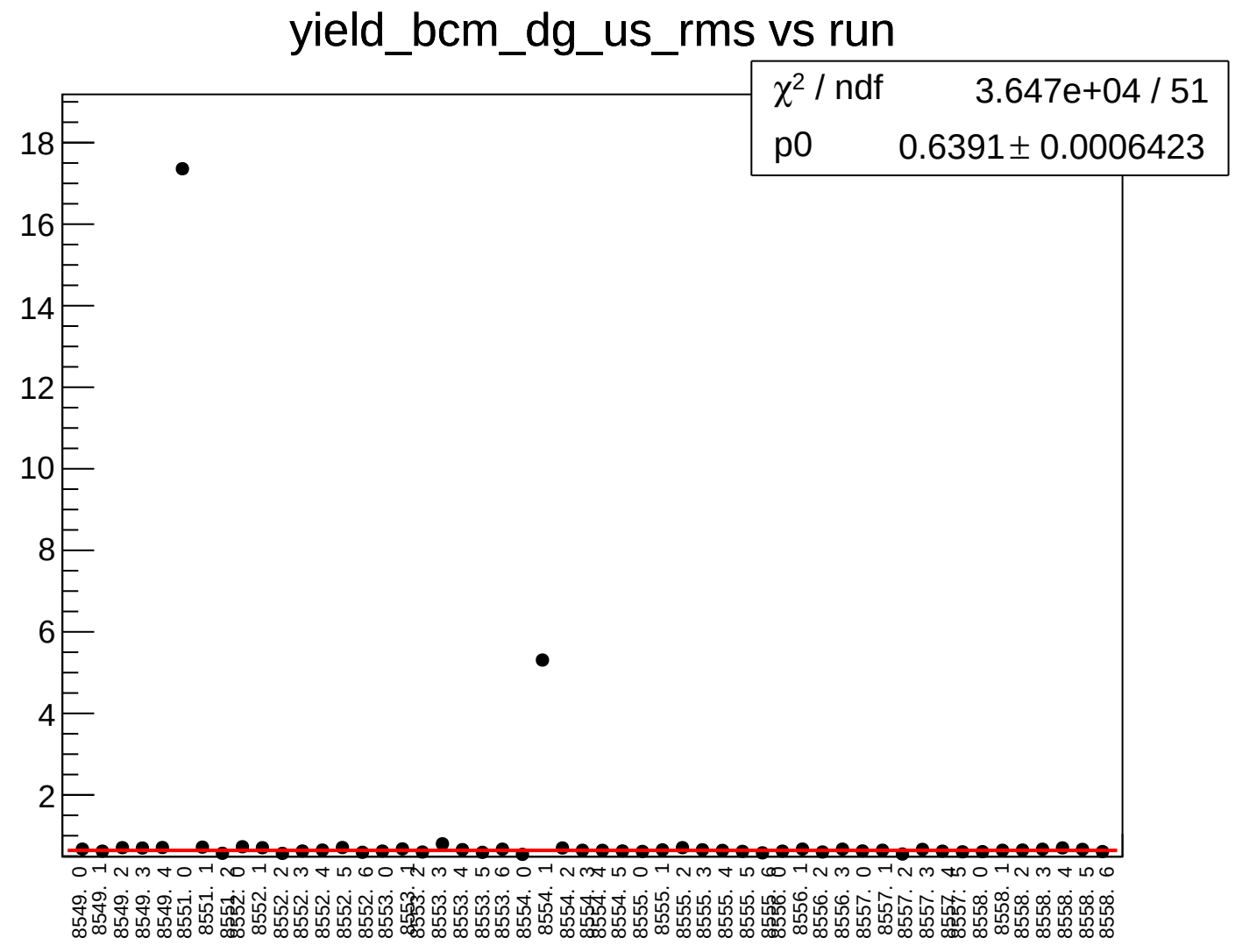

yield_bcm_an_us_mean vs run
χ² / ndf 2.736e+07 / 51
p0 131.5 ± 0.0008918
136
134
132
130
128
126
124
122
pull
Entries 52
Mean 5803
Std Dev 0
800
600
400
200
0
−200
−400
−600
−800
−1000

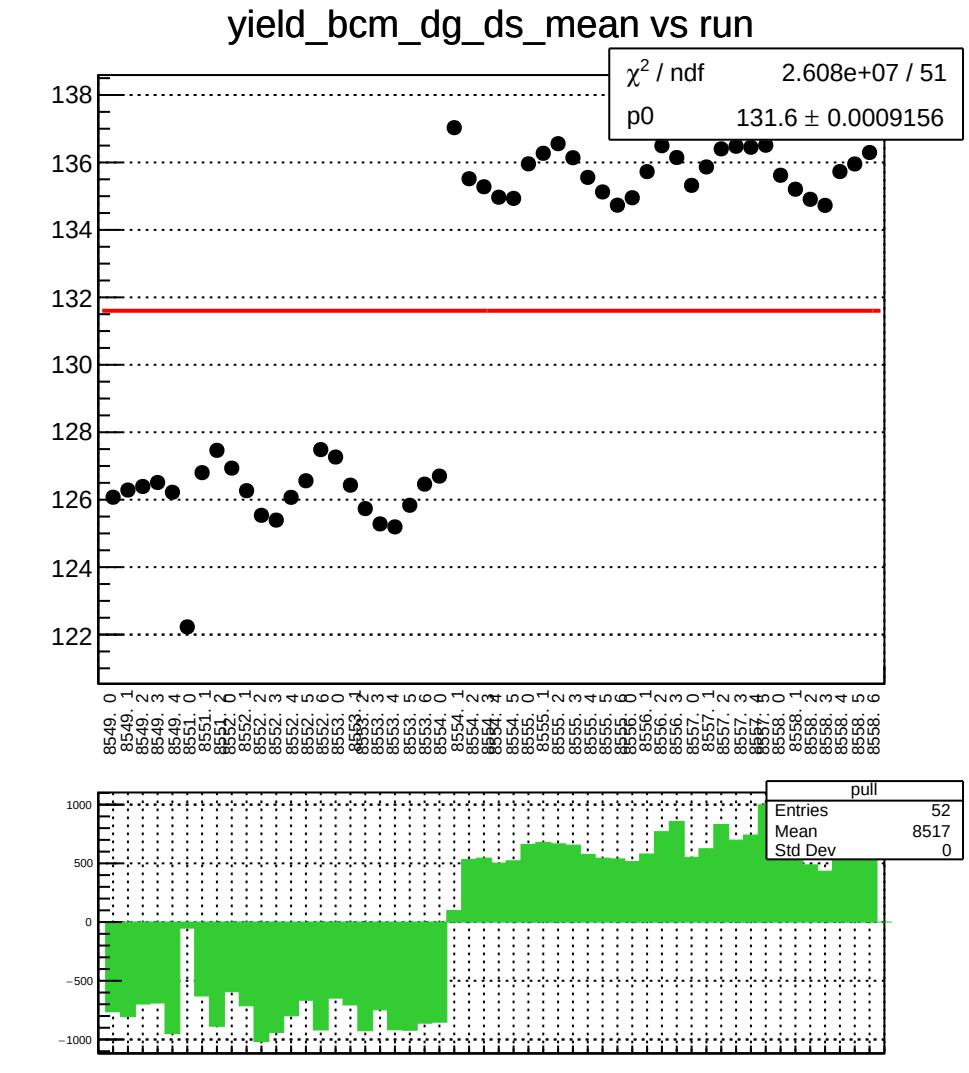

pull1D
Entries 52
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

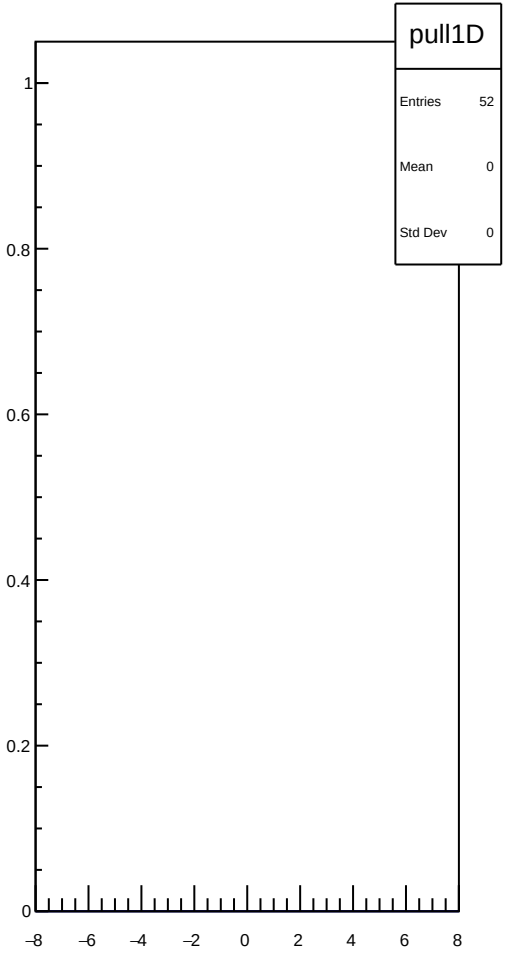

yield_bcm_an_us_rms vs run
χ² / ndf 3.573e+04 / 51
p0 0.6278 ± 0.0006306
18
16
14
12
10
8
6
4
2
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

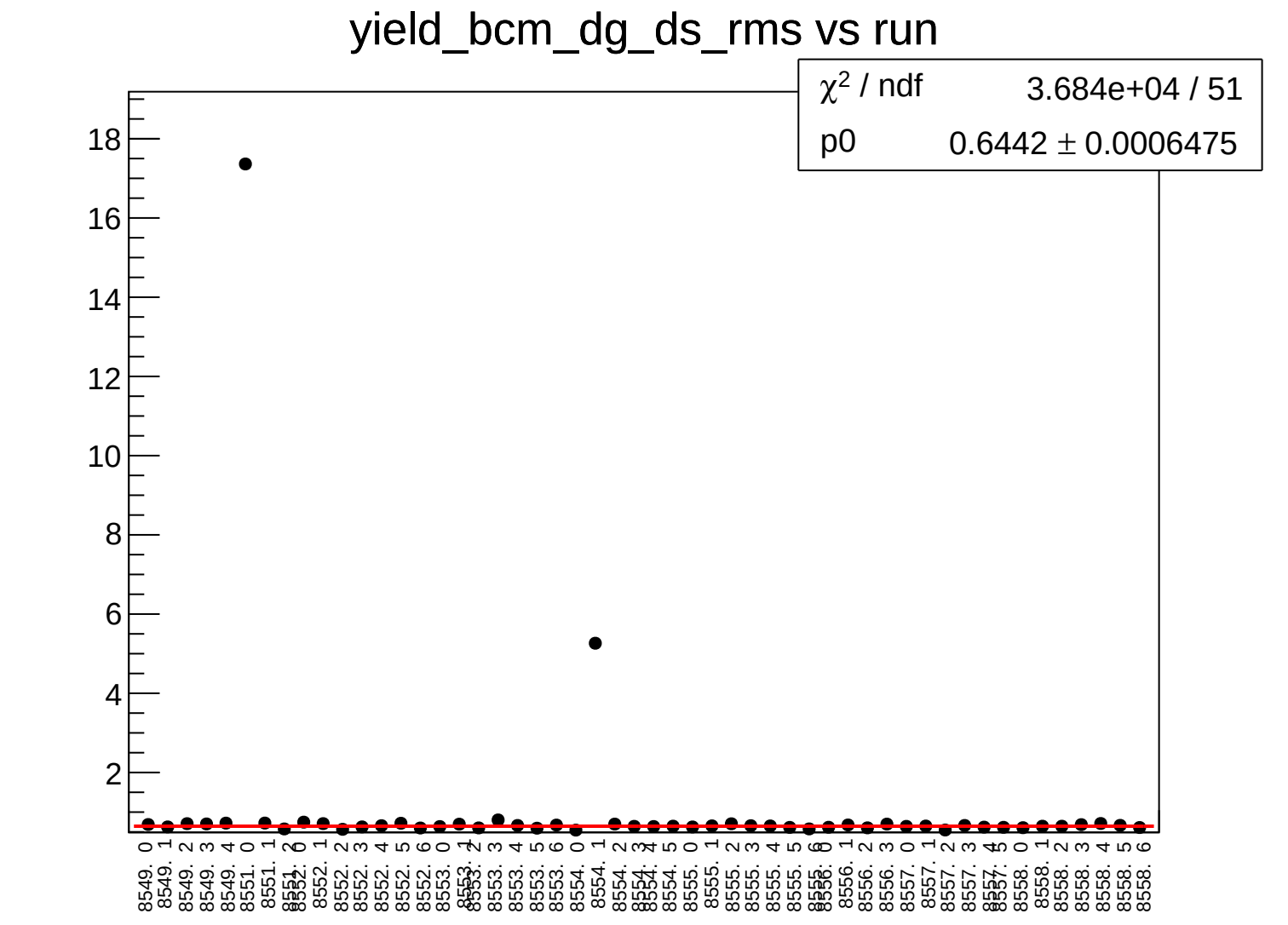

yield_bcm_dg_us_mean vs run
χ² / ndf 2.657e+07 / 51
p0 131.7 ± 0.0009083
pull
Entries 52
Mean 4228
Std Dev 0


pull1D
Entries 52
Mean 0
Std Dev 0


yield_bcm_dg_us_rms vs run
χ² / ndf 3.647e+04 / 51
p0 0.6391 ± 0.0006423
18
16
14
12
10
8
6
4
2
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6


yield_bcm_dg_ds_mean vs run
χ² / ndf 2.608e+07 / 51
p0 131.6 ± 0.0009156
pull
Entries 52
Mean 8517
Std Dev 0


pull1D
Entries 52
Mean 0
Std Dev 0


yield_bcm_dg_ds_rms vs run
χ² / ndf 3.684e+04 / 51
p0 0.6442 ± 0.0006475
18
16
14
12
10
8
6
4
2
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
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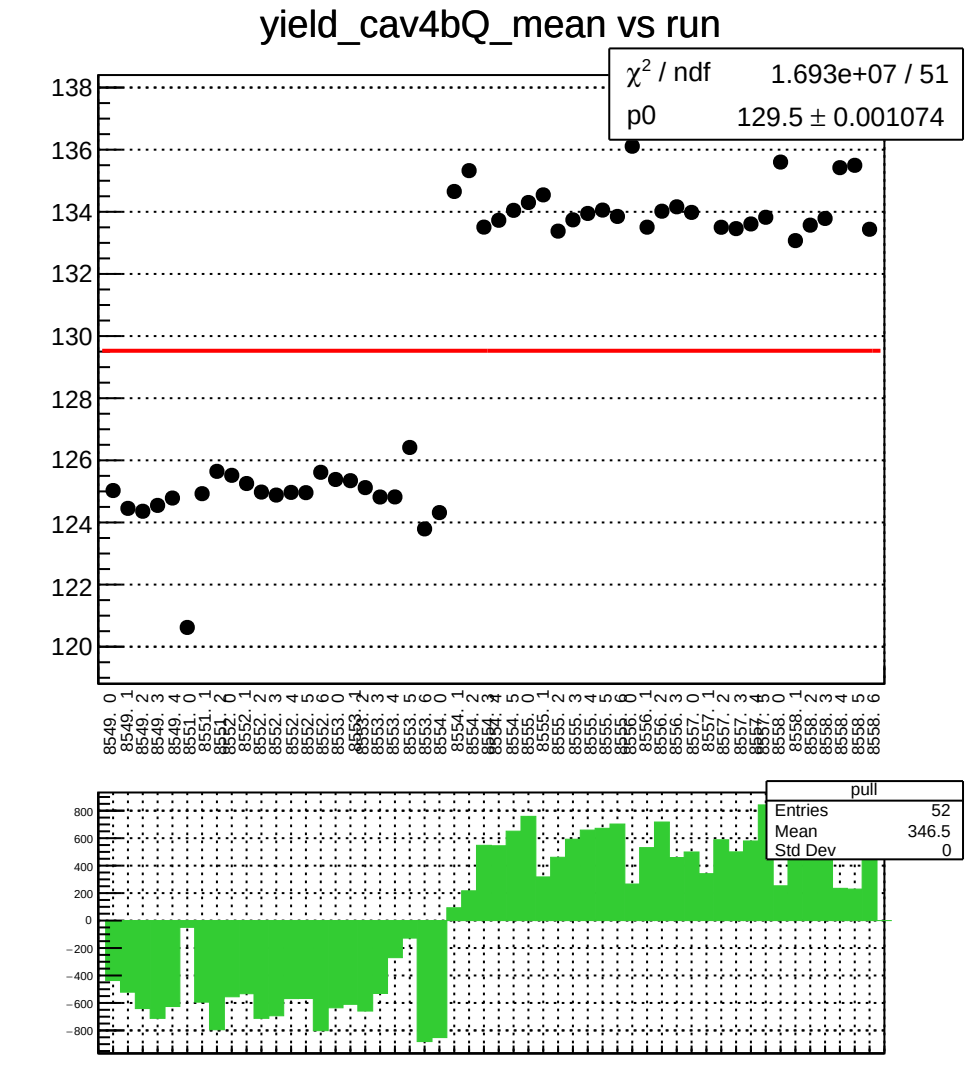
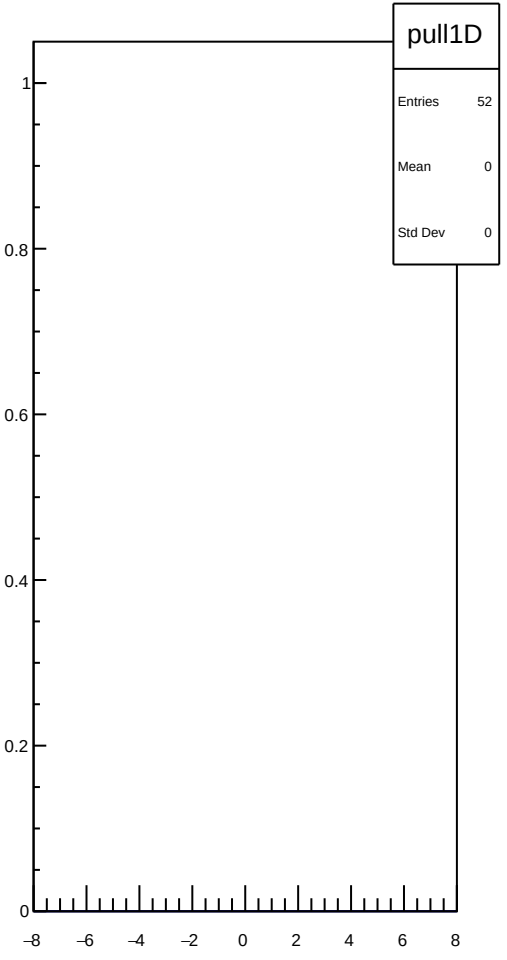
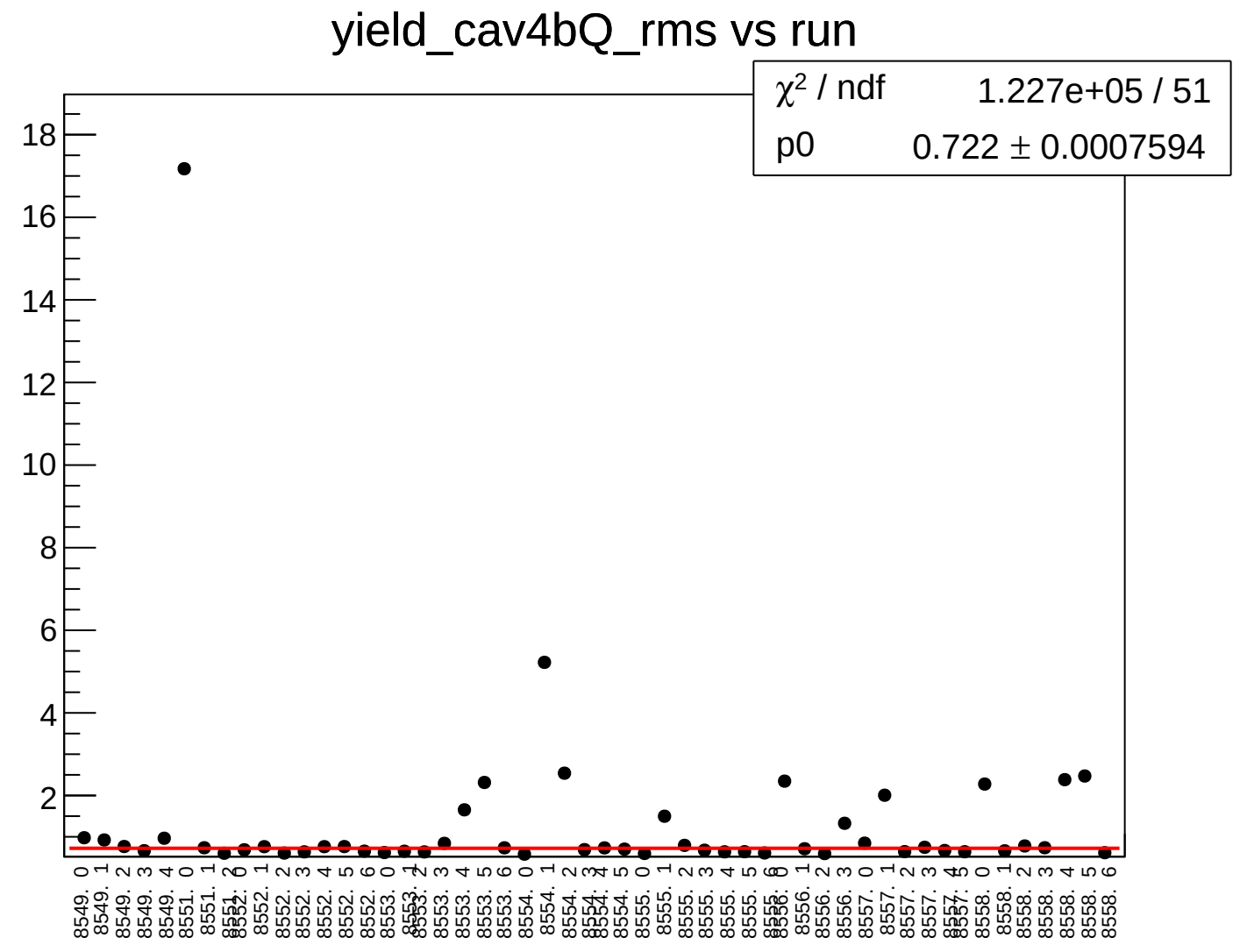
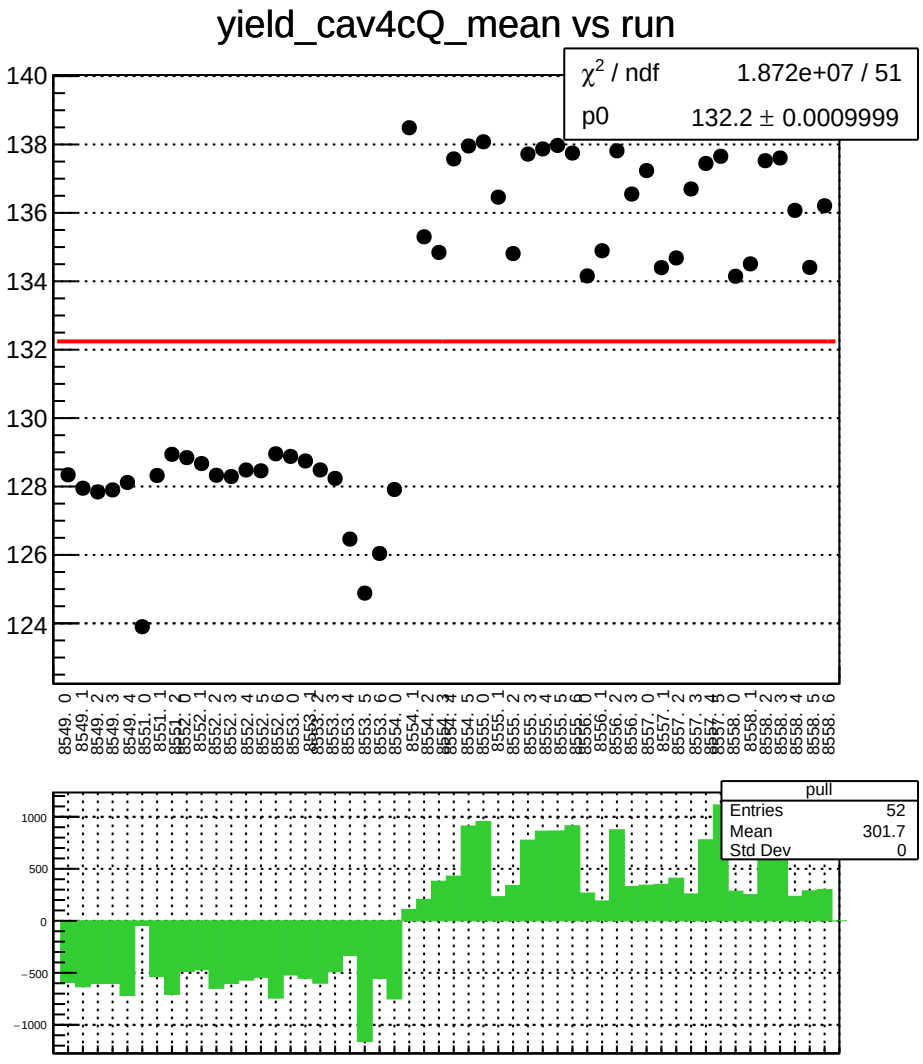
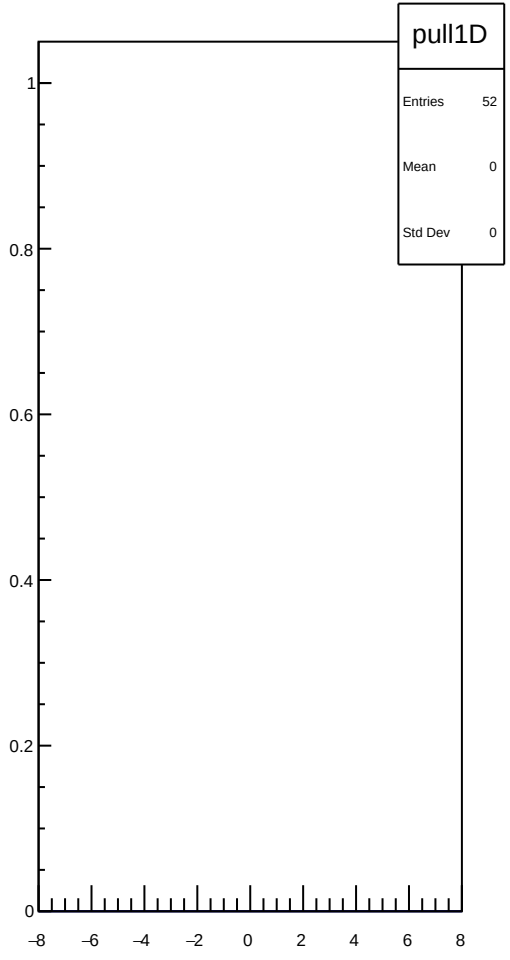
8558. 5
8558. 6

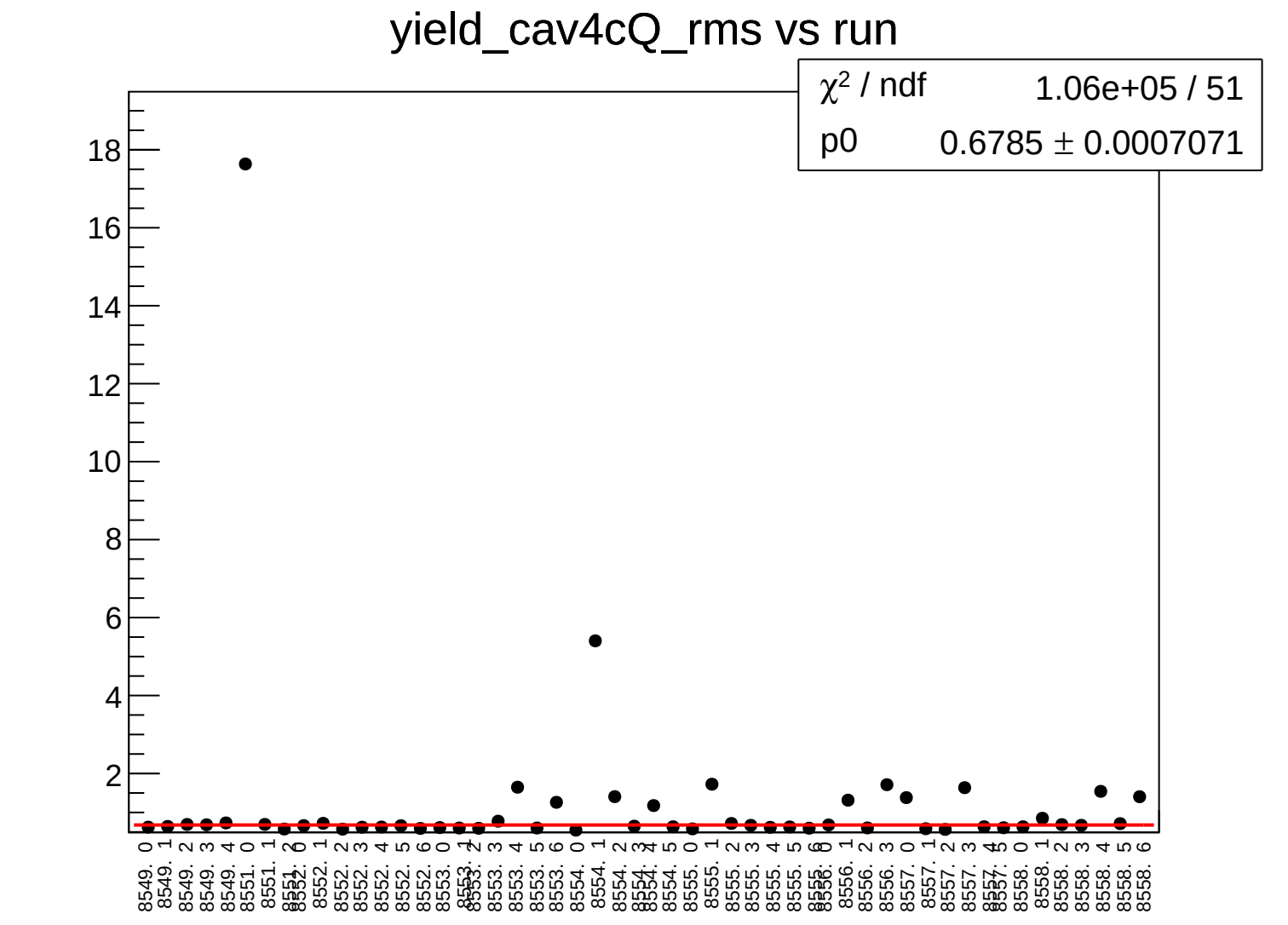

yield_cav4bQ_mean vs run
χ² / ndf 1.693e+07 / 51
p0 129.5 ± 0.001074
pull
Entries 52
Mean 346.5
Std Dev 0


pull1D
Entries 52
Mean 0
Std Dev 0


yield_cav4bQ_rms vs run
χ² / ndf 1.227e+05 / 51
p0 0.722 ± 0.0007594
18
16
14
12
10
8
6
4
2
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6


yield_cav4cQ_mean vs run
χ² / ndf 1.872e+07 / 51
p0 132.2 ± 0.0009999
pull
Entries 52
Mean 301.7
Std Dev 0


pull1D
Entries 52
Mean 0
Std Dev 0


yield_cav4cQ_rms vs run
χ² / ndf 1.06e+05 / 51
p0 0.6785 ± 0.0007071
18
16
14
12
10
8
6
4
2
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
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8553. 0
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8553. 6
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8554. 2
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8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
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8557. 2
8557. 3
8558. 0
8558. 1
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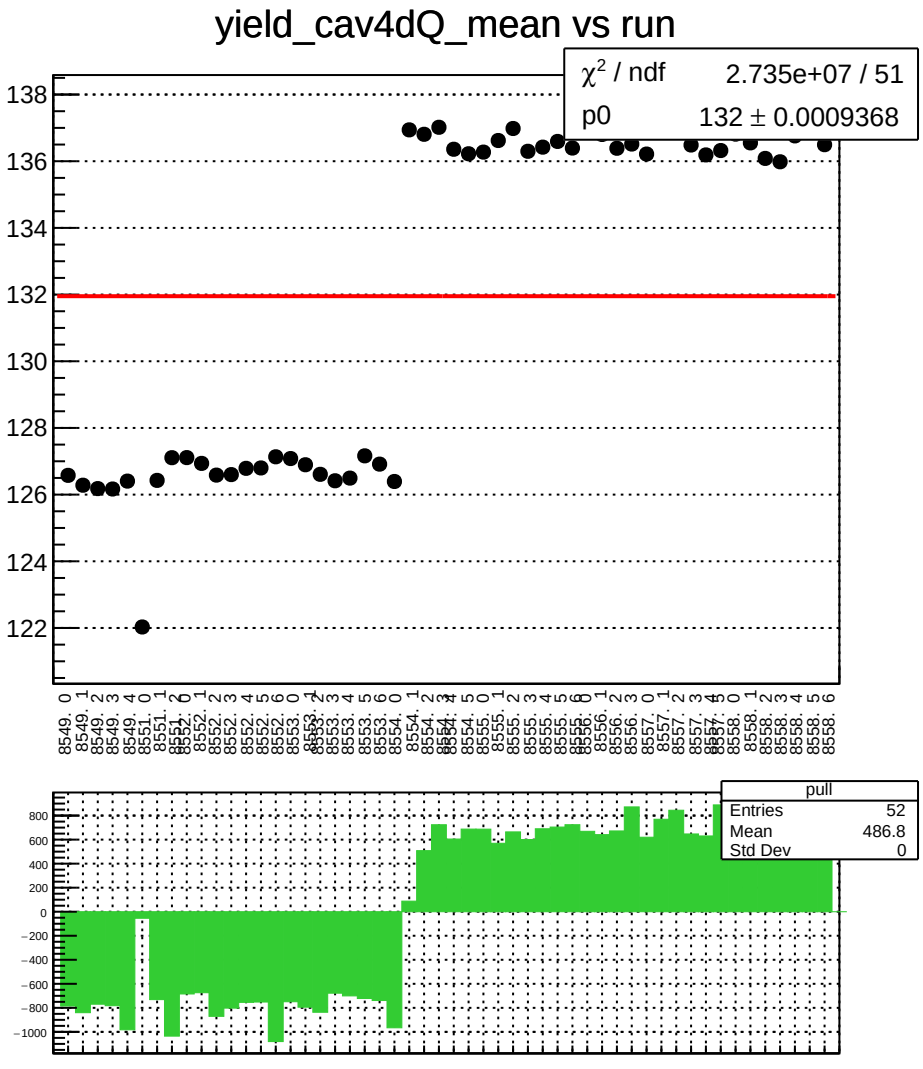
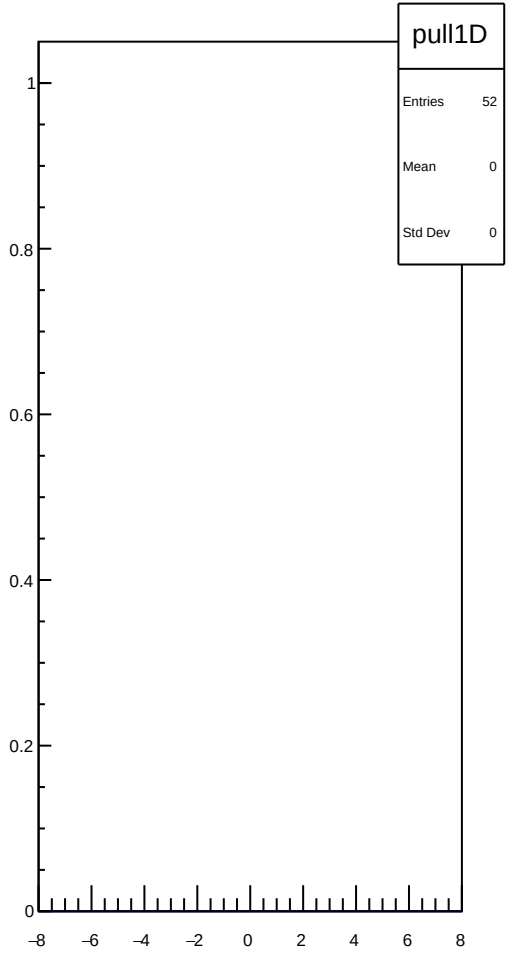
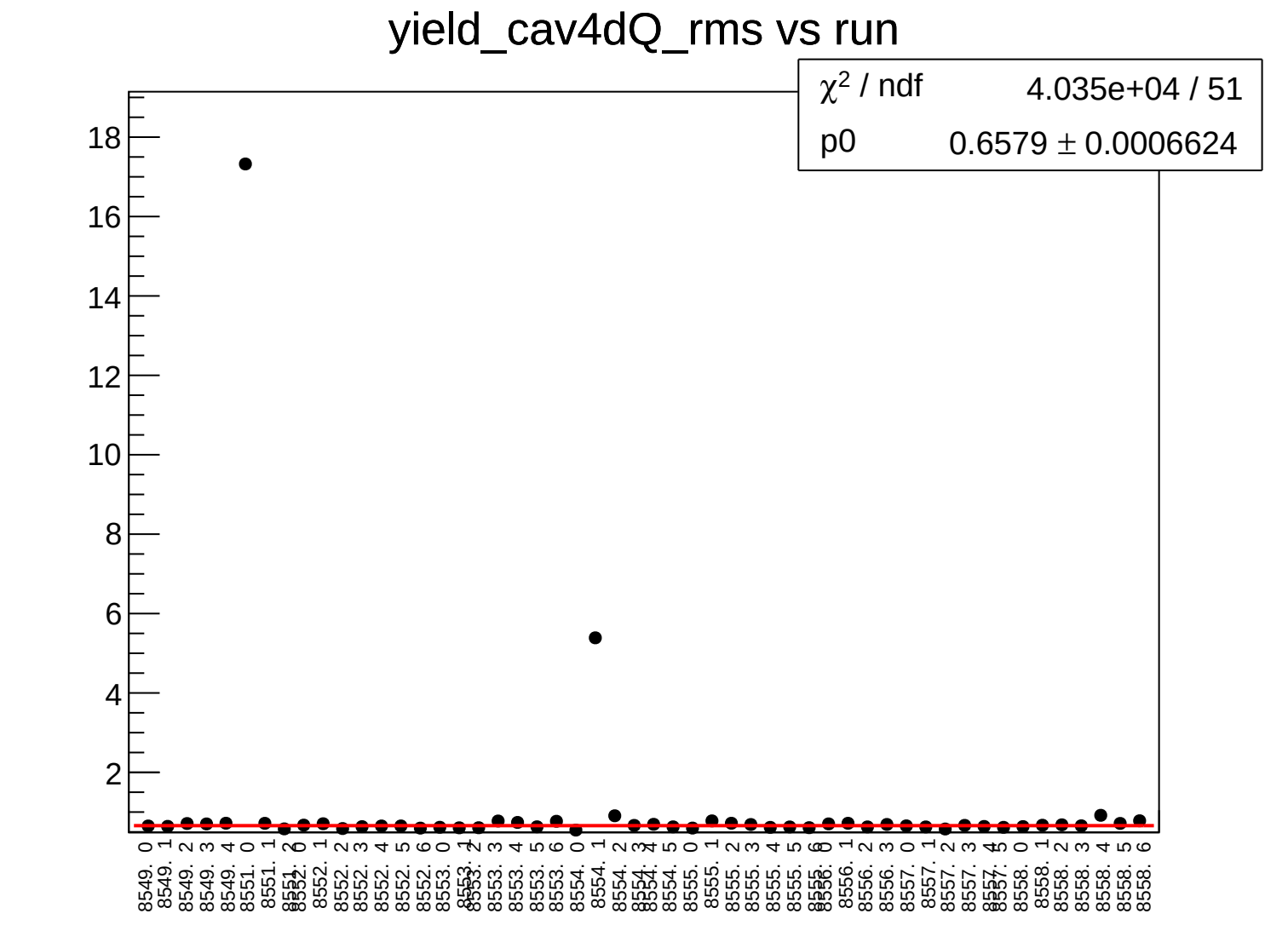
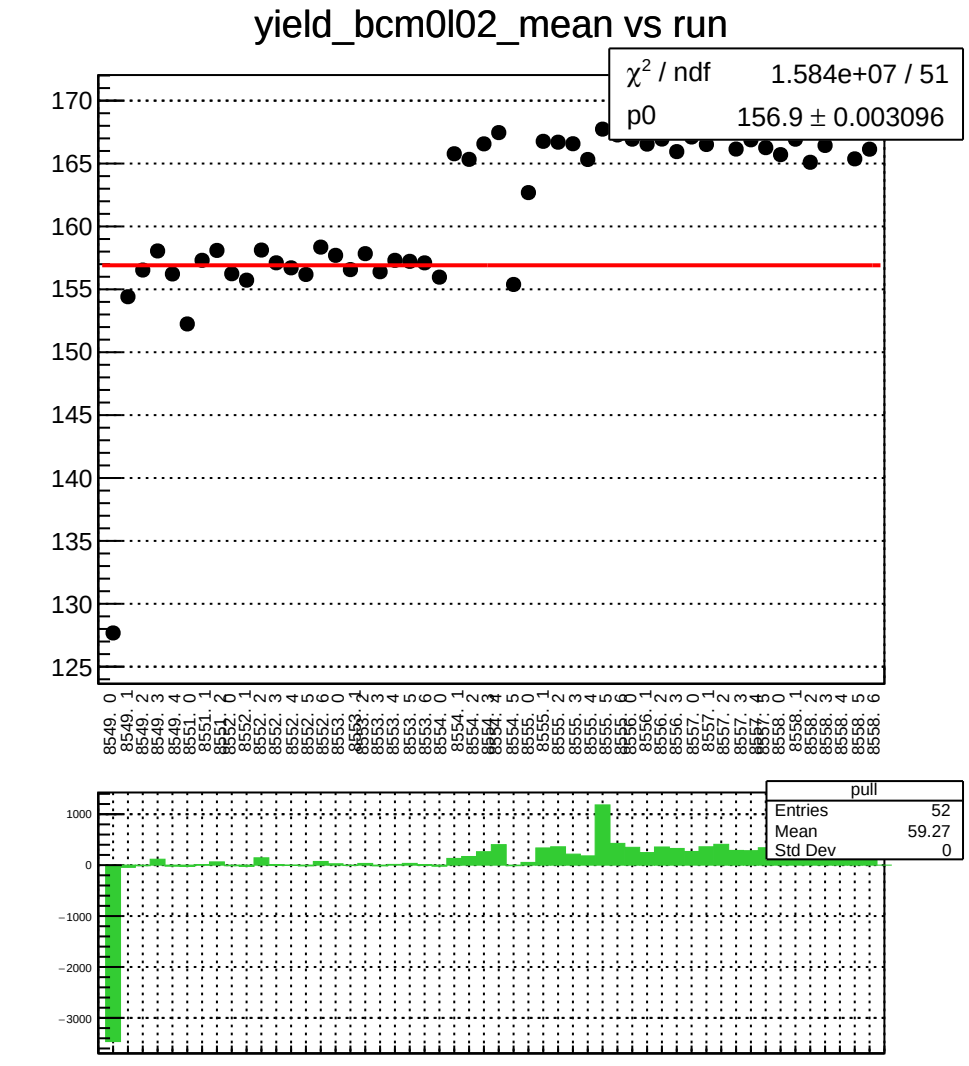
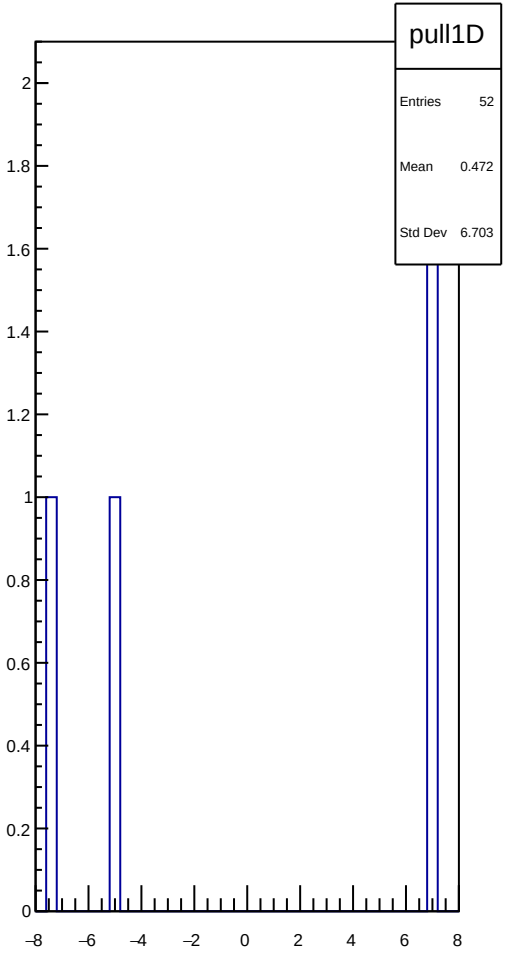
8558. 5
8558. 6

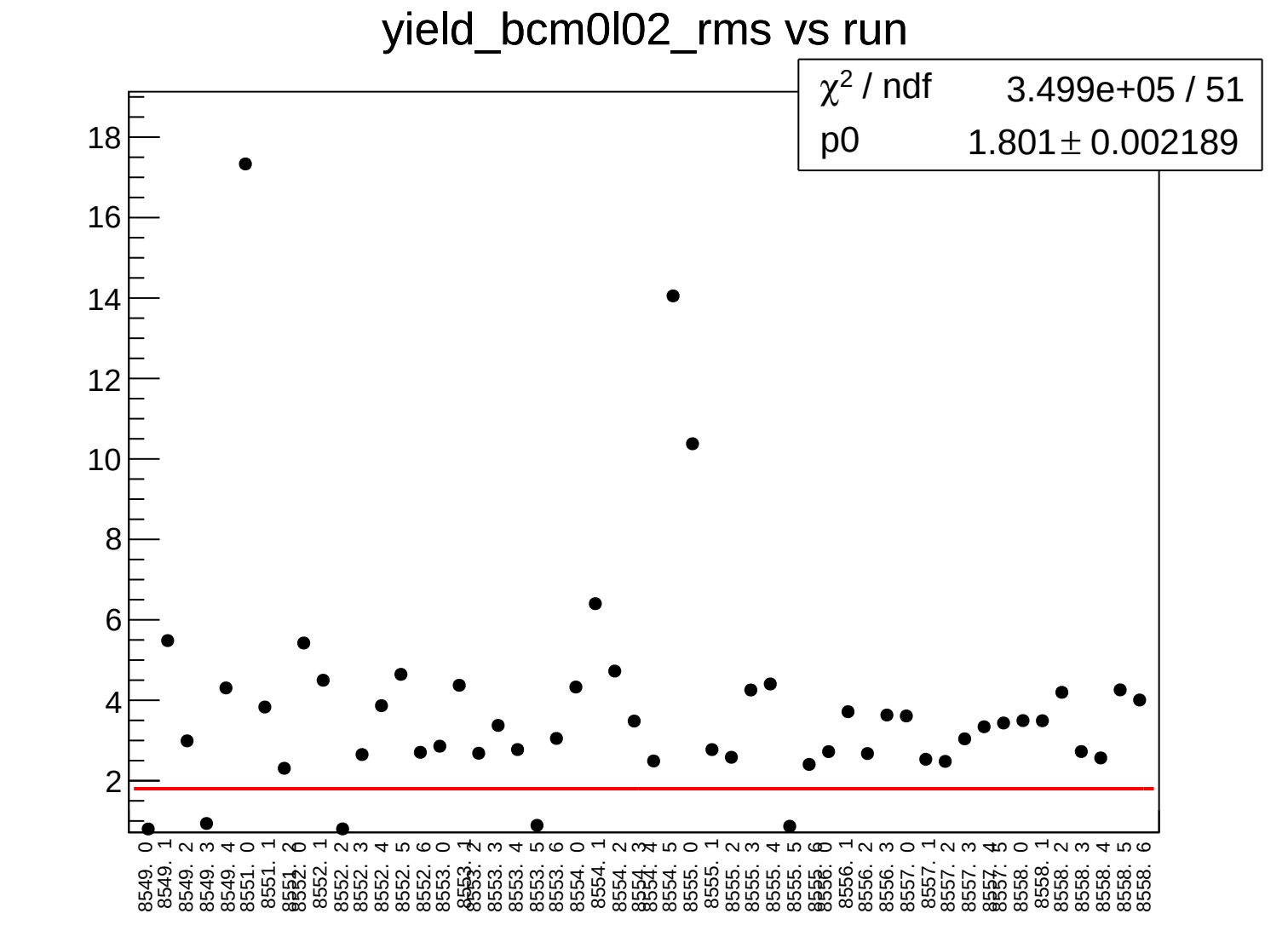

yield_cav4dQ_mean vs run
χ² / ndf 2.735e+07 / 51
p0 132 ± 0.0009368
pull
Entries 52
Mean 486.8
Std Dev 0


pull1D
Entries 52
Mean 0
Std Dev 0


yield_cav4dQ_rms vs run
χ² / ndf 4.035e+04 / 51
p0 0.6579 ± 0.0006624
18
16
14
12
10
8
6
4
2
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6


yield_bcm0l02_mean vs run
χ² / ndf 1.584e+07 / 51
p0 156.9 ± 0.003096
pull
Entries 52
Mean 59.27
Std Dev 0


pull1D
Entries 52
Mean 0.472
Std Dev 6.703


yield_bcm0l02_rms vs run
χ^2 / ndf 3.499e+05 / 51
p0 1.801 ± 0.002189
18
16
14
12
10
8
6
4
2
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
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8553. 3
8553. 4
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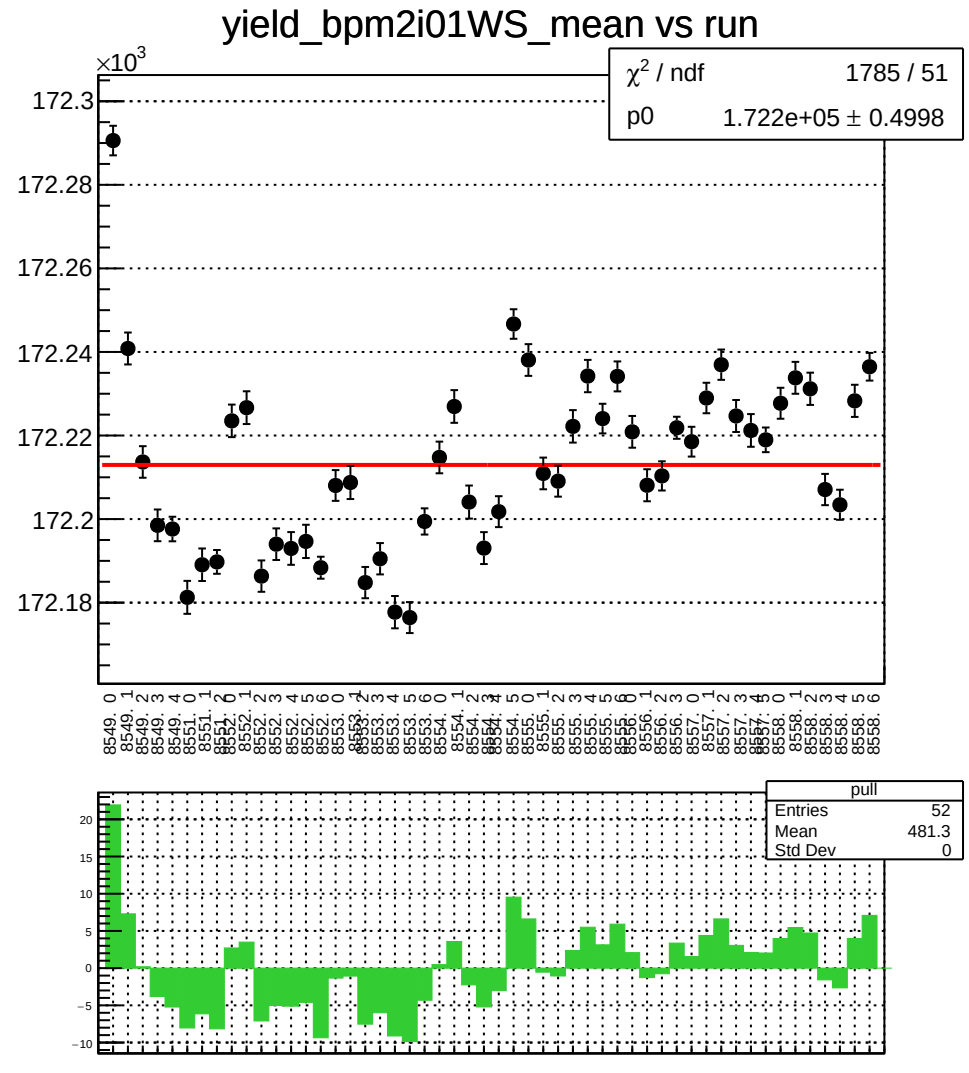
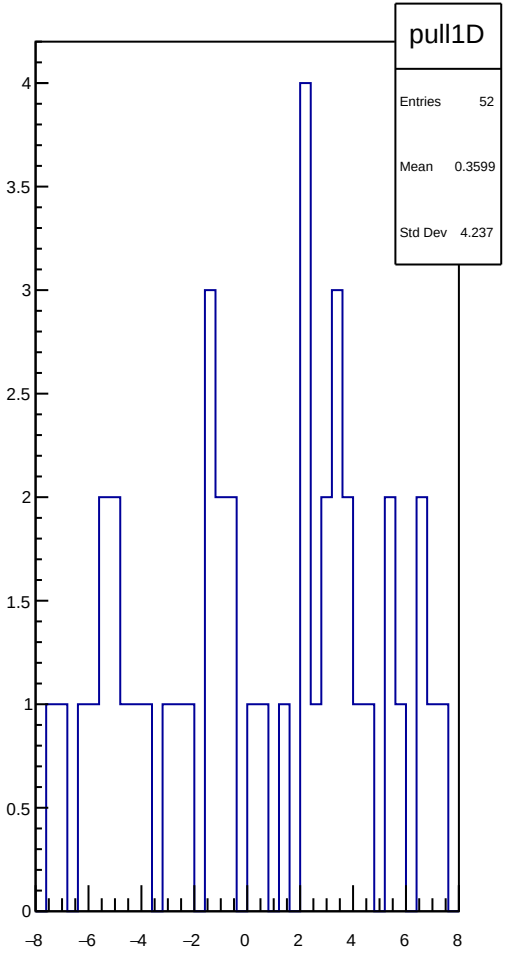
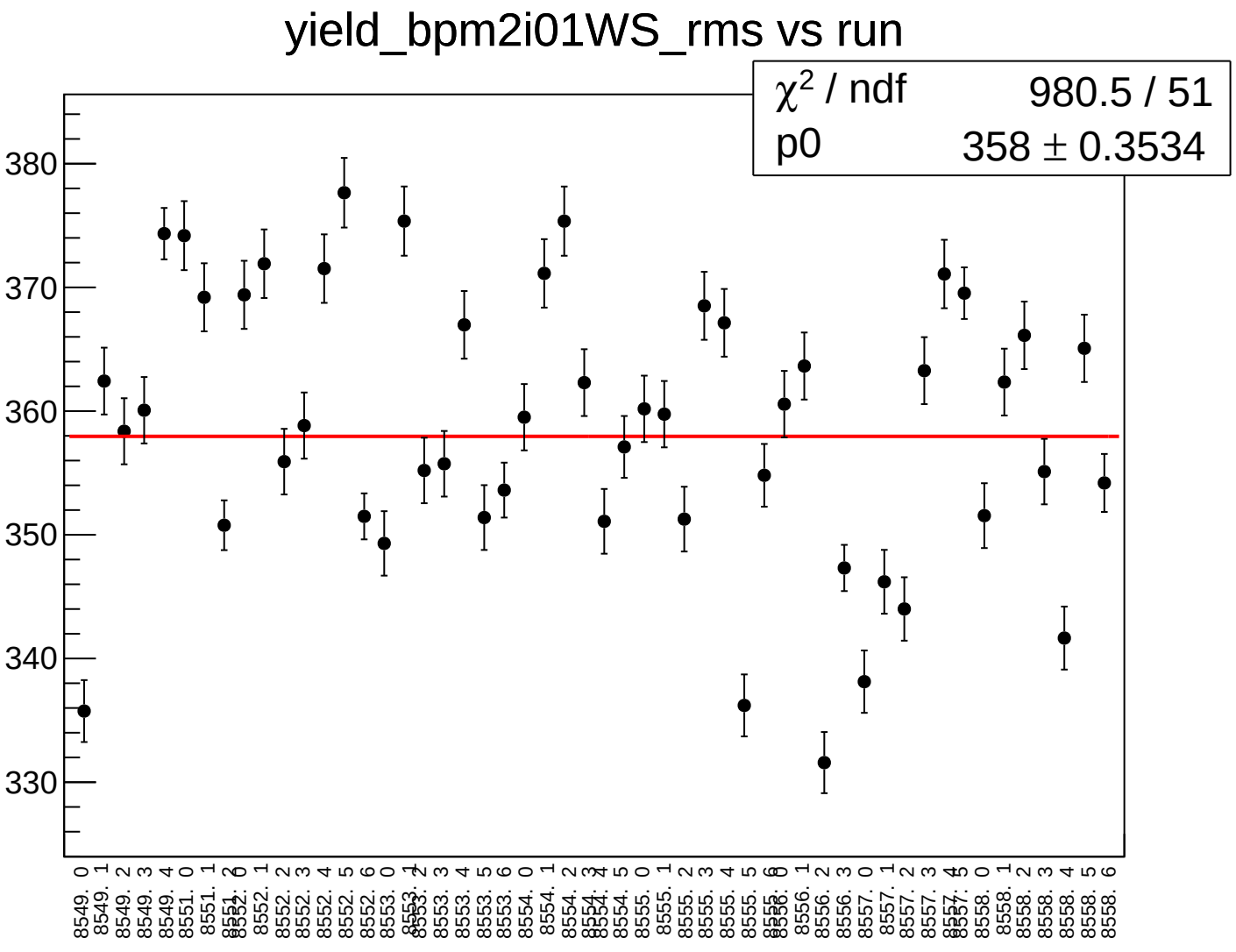
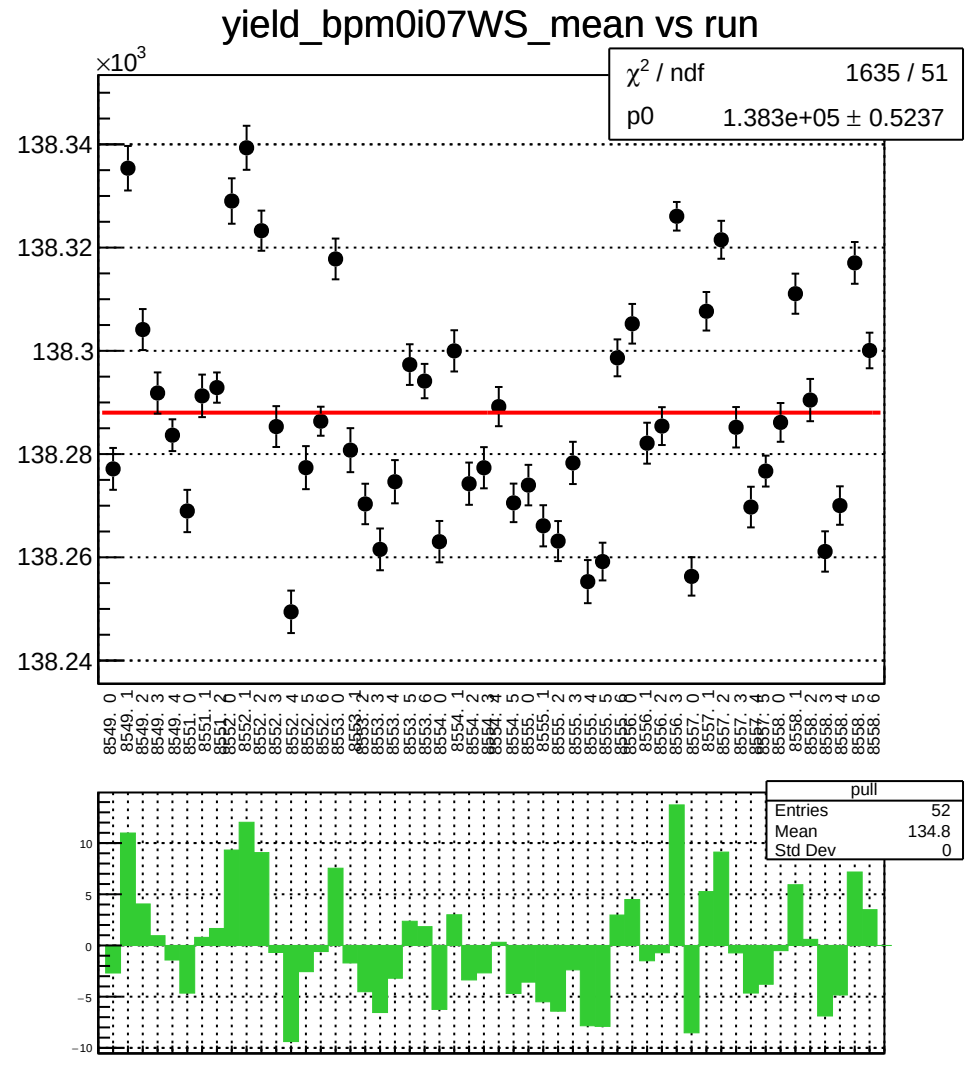
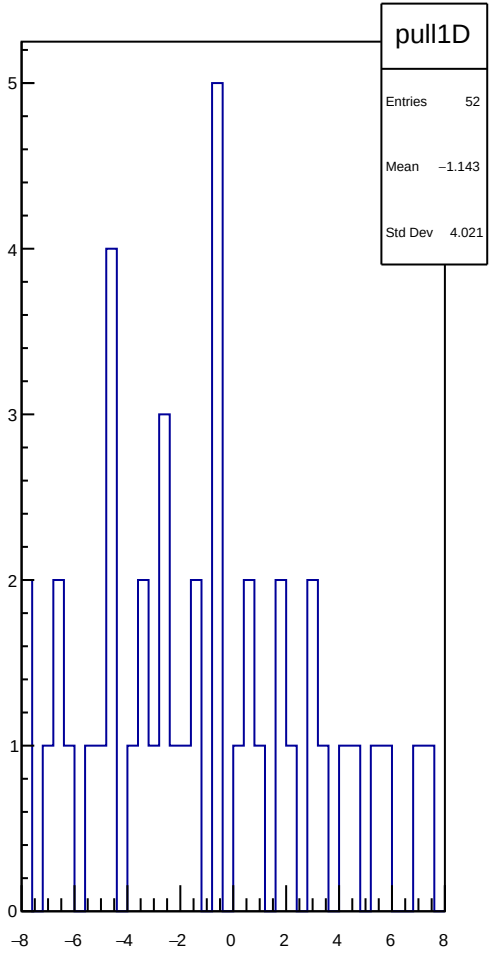
8553. 6
8554. 0
8554. 1
8554. 2
8554. 5
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

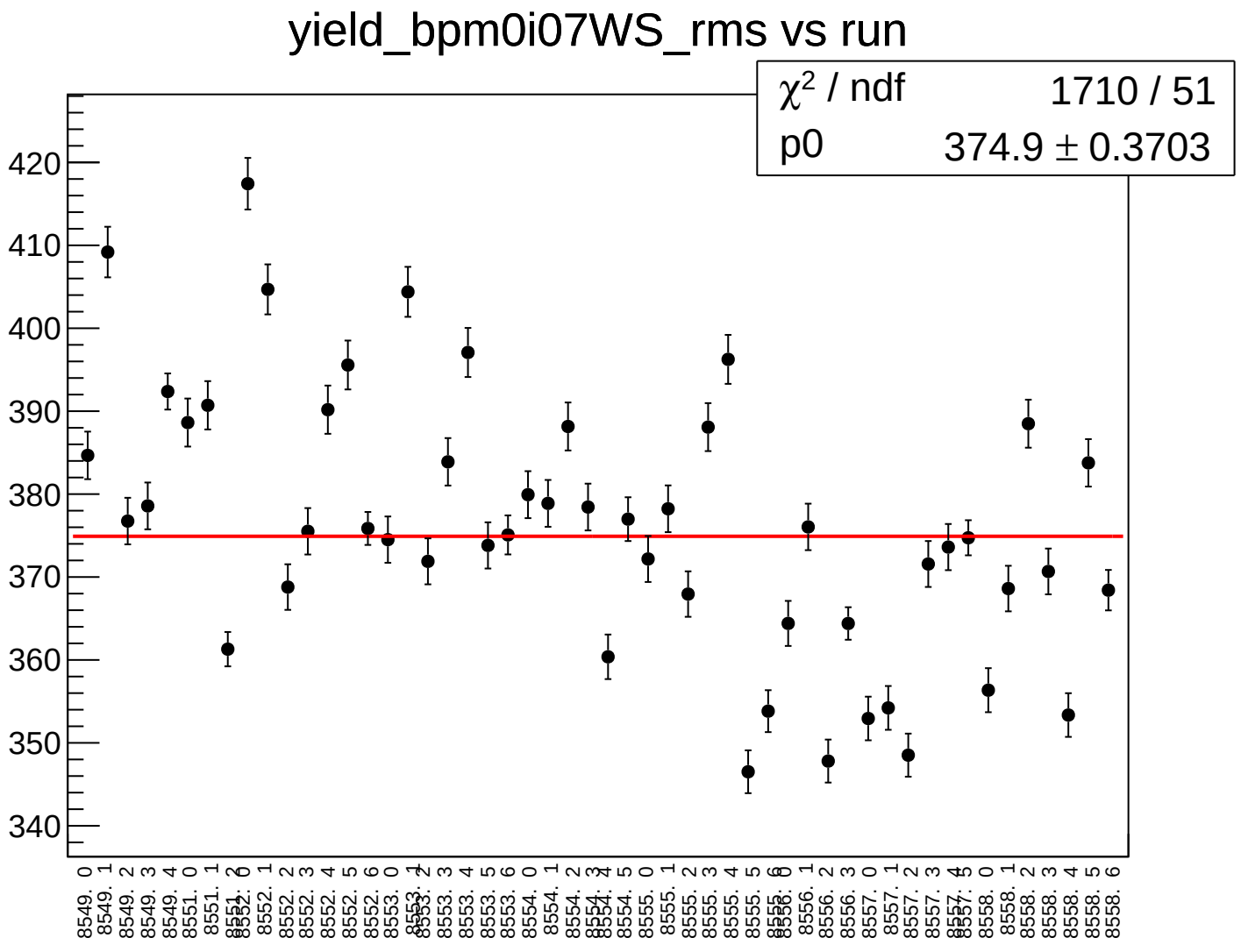

yield_bpm2i01WS_mean vs run
×10^3
χ² / ndf 1785 / 51
p0 1.722e+05 ± 0.4998
172.3
172.28
172.26
172.24
172.22
172.2
172.18
pull
Entries 52
Mean 481.3
Std Dev 0

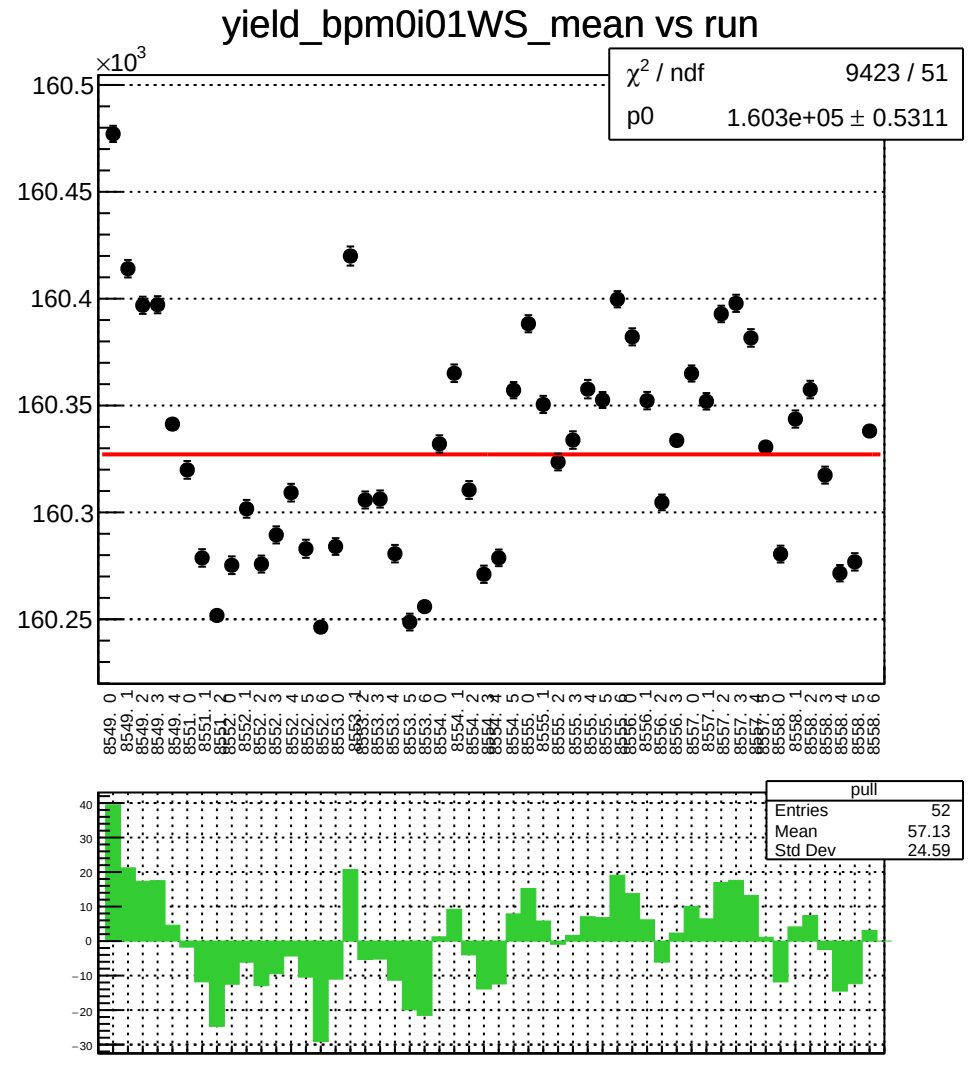

pull1D
Entries 52
Mean 0.3599
Std Dev 4.237

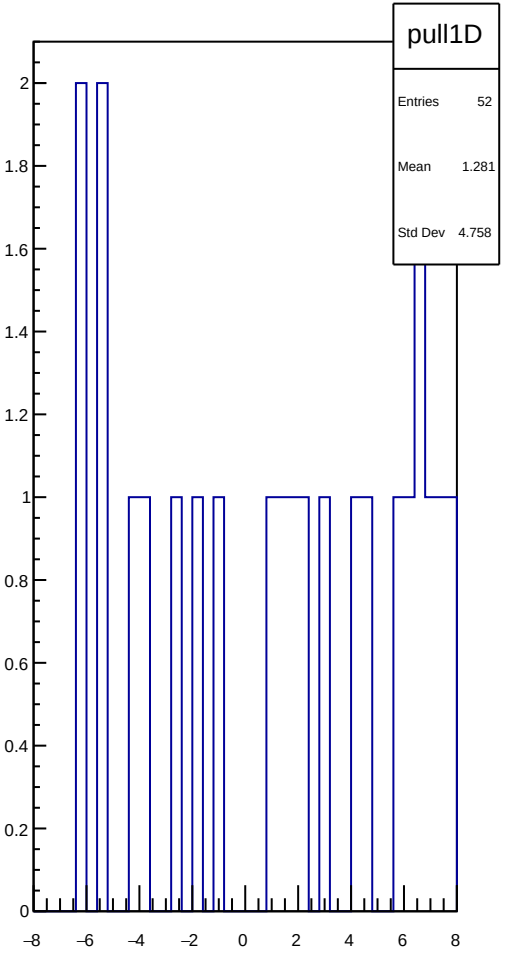

yield_bpm2i01WS_rms vs run
χ² / ndf 980.5 / 51
p0 358 ± 0.3534
380
370
360
350
340
330
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 5
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

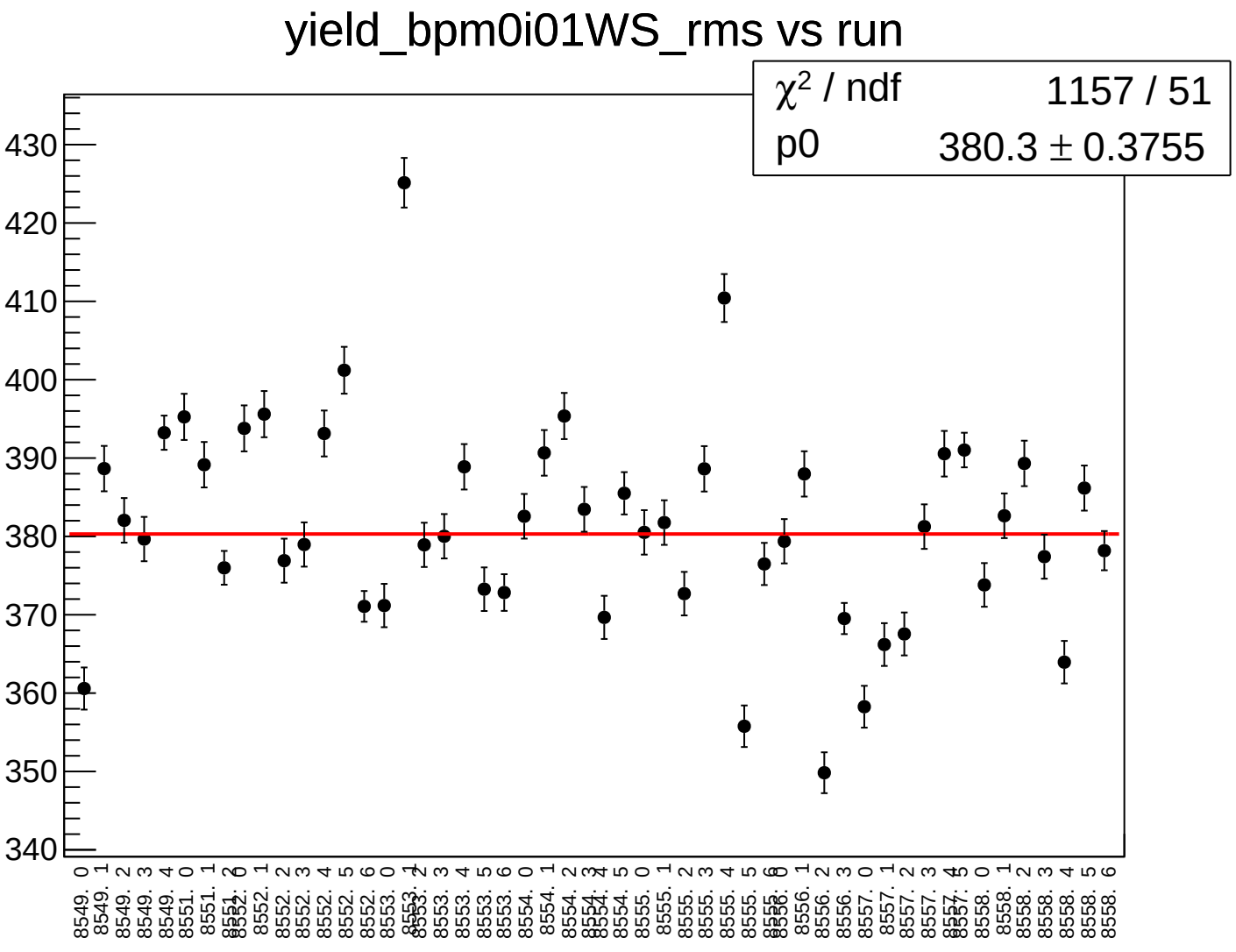

yield_bpm0i07WS_mean vs run
×10^3
χ² / ndf 1635 / 51
p0 1.383e+05 ± 0.5237
138.34
138.32
138.3
138.28
138.26
138.24
pull
Entries 52
Mean 134.8
Std Dev 0
10
5
0
−5
−10

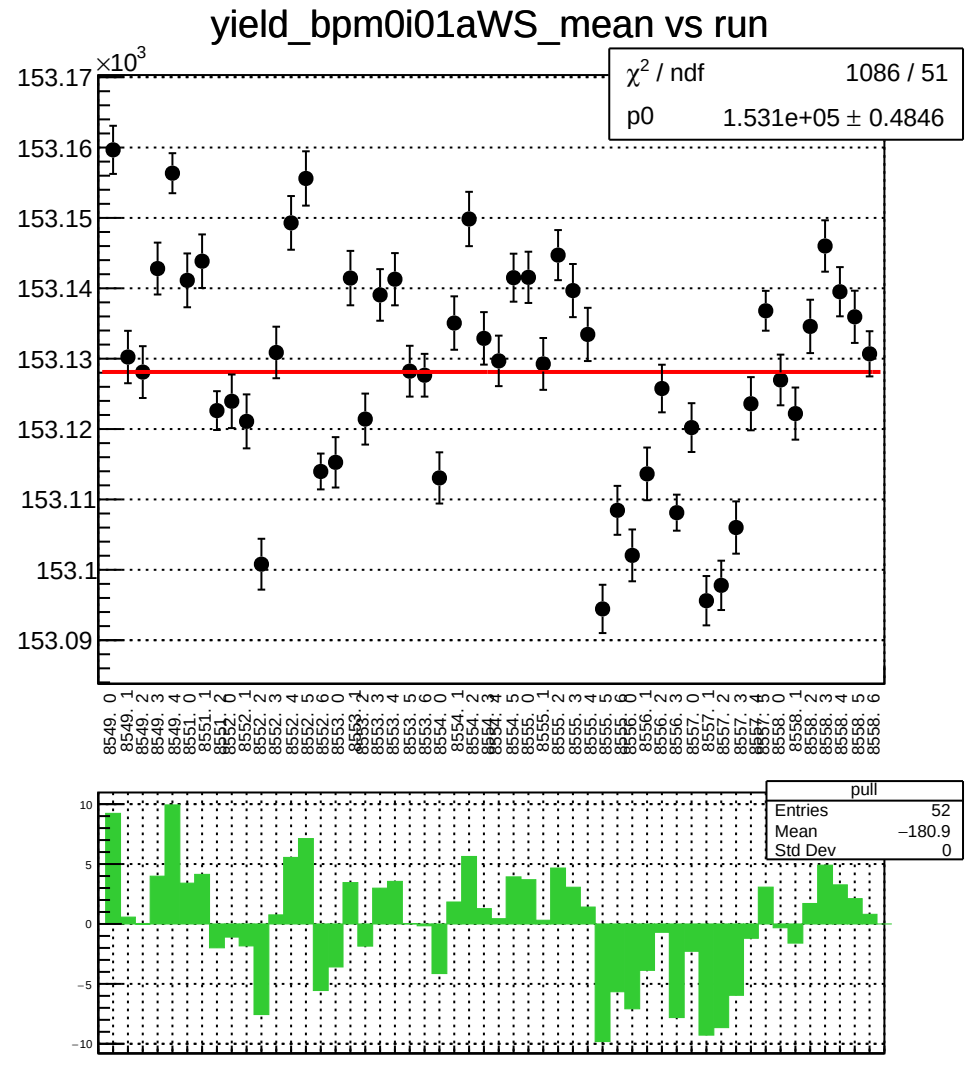

pull1D
Entries 52
Mean −1.143
Std Dev 4.021
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

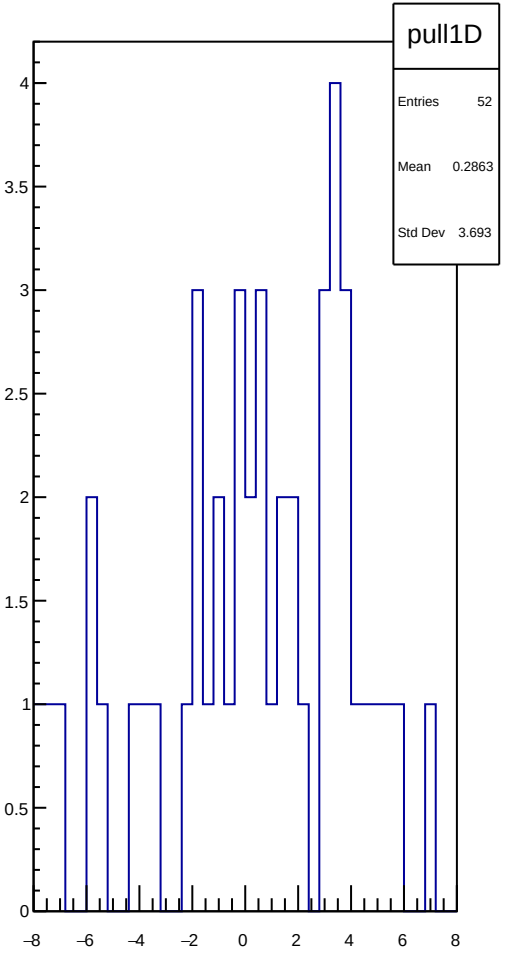

yield_bpm0i07WS_rms vs run
χ² / ndf 1710 / 51
p0 374.9 ± 0.3703
420
410
400
390
380
370
360
350
340
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 5
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

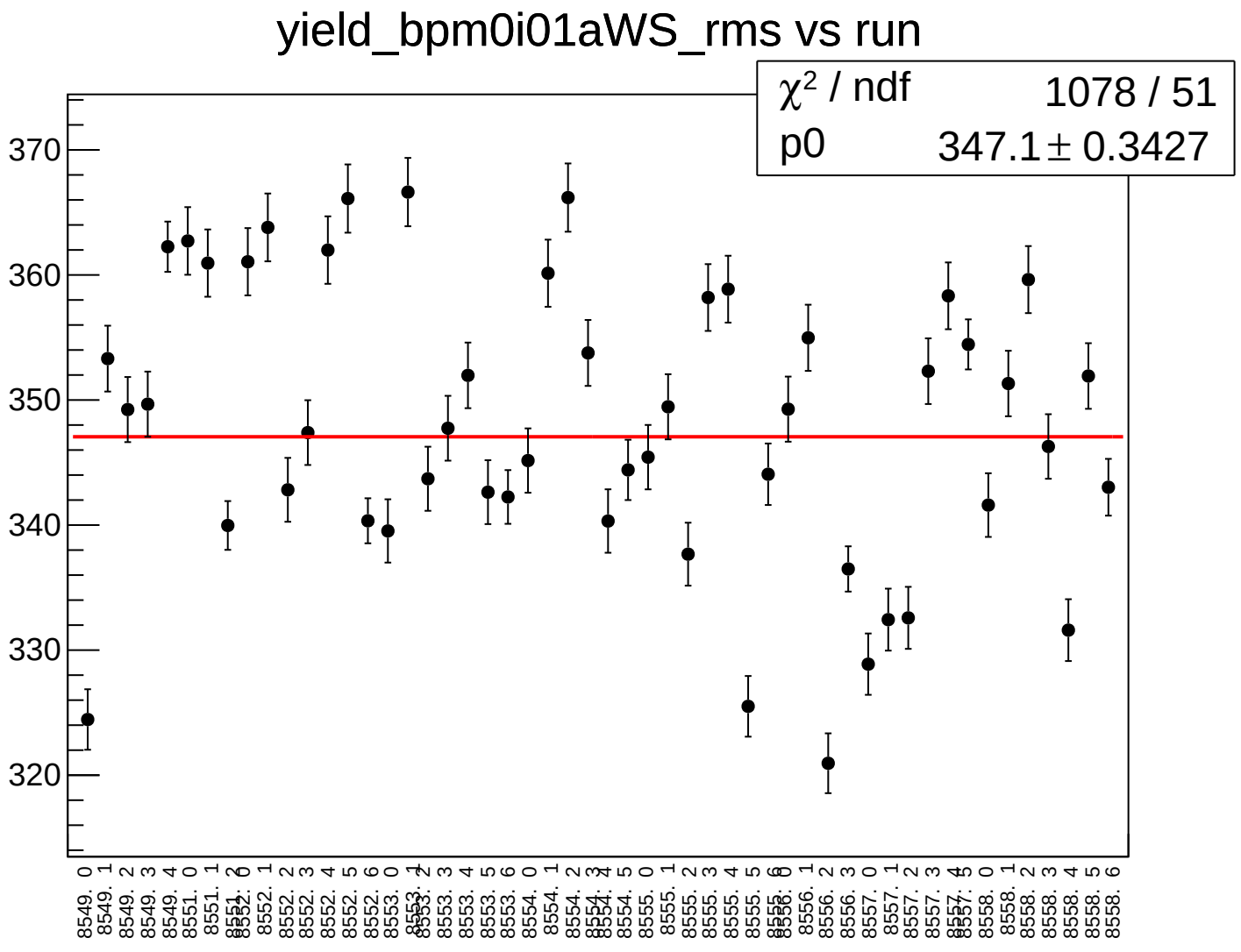

yield_bpm0i01WS_mean vs run
×10^3
χ² / ndf 9423 / 51
p0 1.603e+05 ± 0.5311
160.5
160.45
160.4
160.35
160.3
160.25
pull
Entries 52
Mean 57.13
Std Dev 24.59
40
30
20
10
0
−10
−20
−30

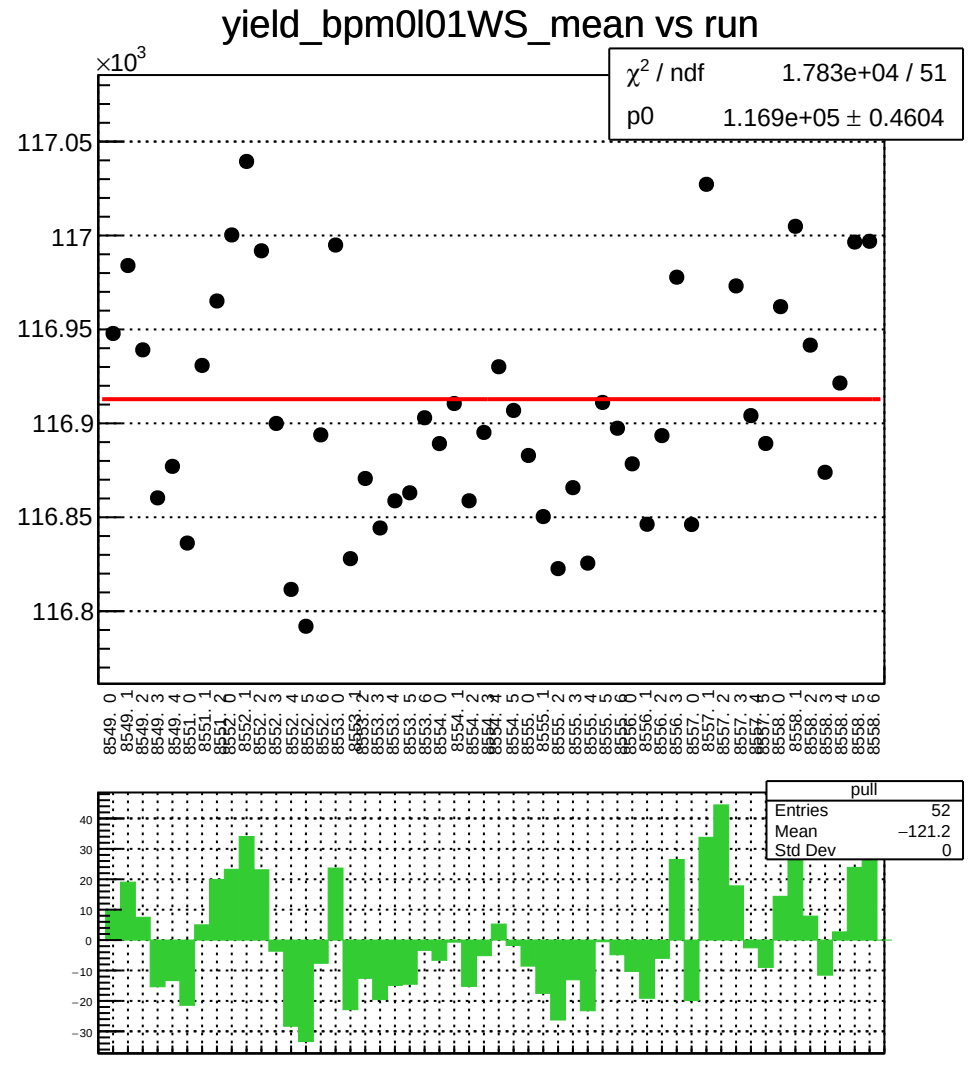

pull1D
Entries 52
Mean 1.281
Std Dev 4.758
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

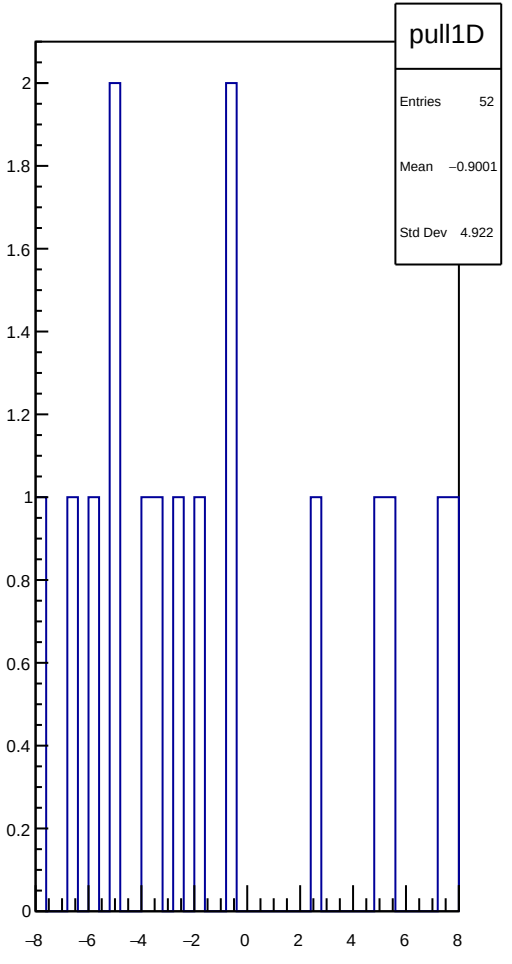

yield_bpm0i01WS_rms vs run
χ² / ndf 1157 / 51
p0 380.3 ± 0.3755
430
420
410
400
390
380
370
360
350
340
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 2
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 5
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

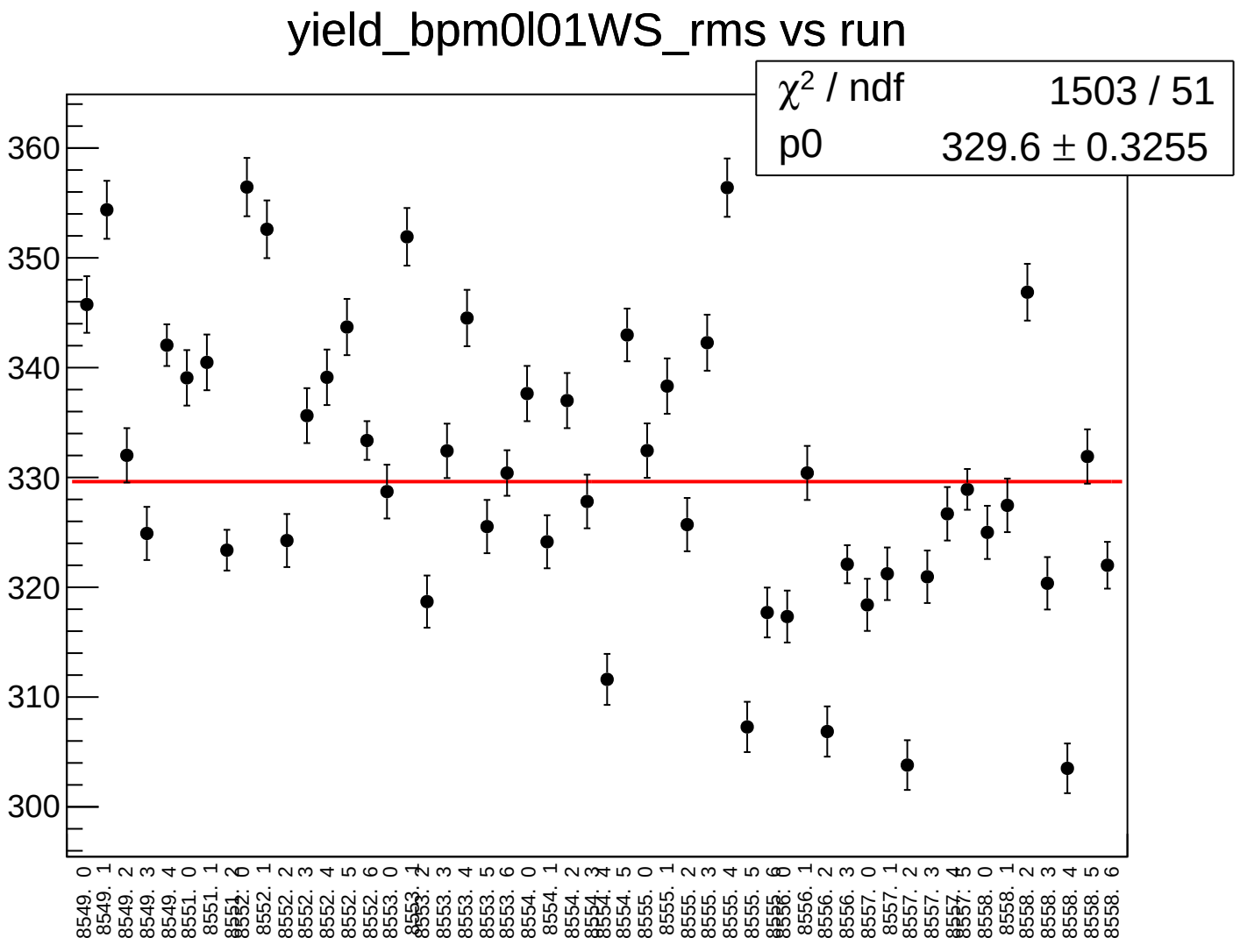

yield_bpm0i01aWS_mean vs run
χ² / ndf 1086 / 51
p0 1.531e+05 ± 0.4846
×10³
153.17
153.16
153.15
153.14
153.13
153.12
153.11
153.1
153.09
pull
Entries 52
Mean −180.9
Std Dev 0
10
5
0
−5
−10

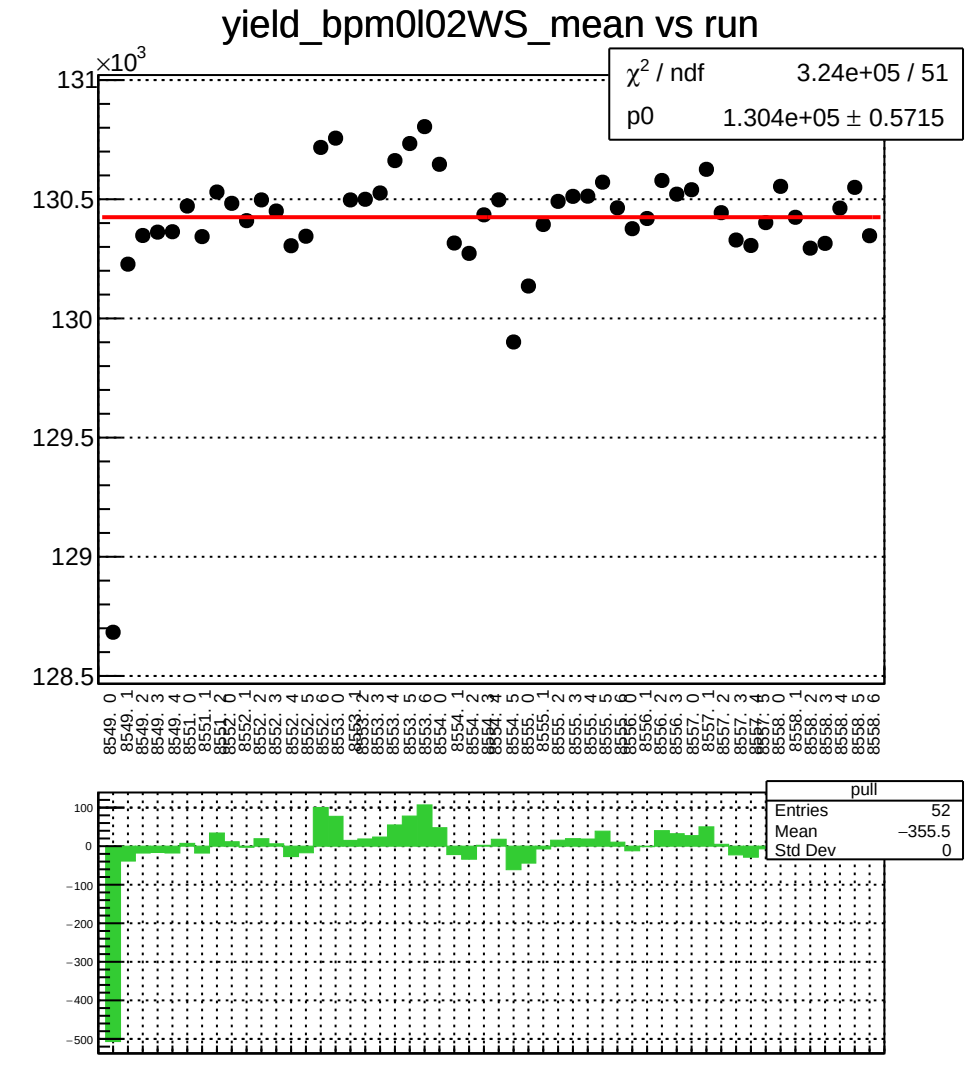

pull1D
Entries 52
Mean 0.2863
Std Dev 3.693
4
3.5
3
2.5
2
1.5
1
0.5
0
−8
−6
−4
−2
0
2
4
6
8

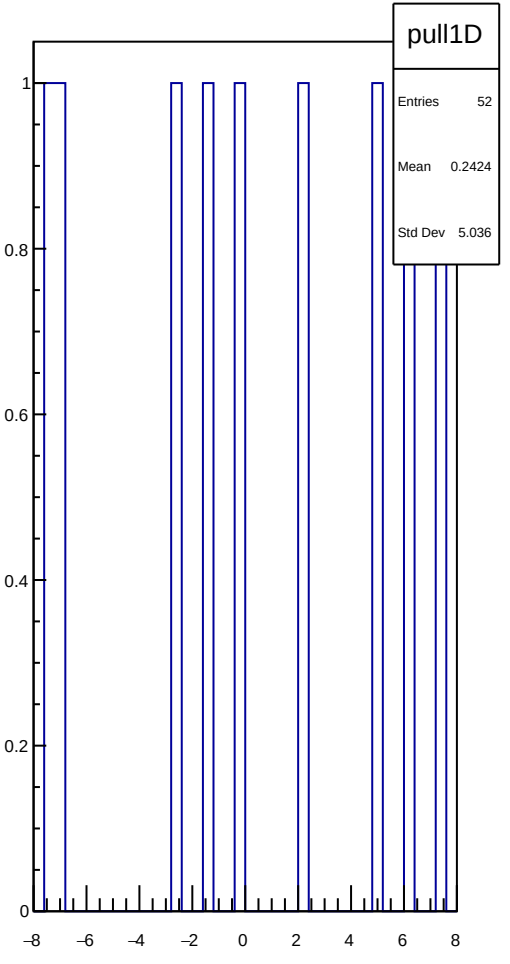

yield_bpm0i01aWS_rms vs run
χ² / ndf 1078 / 51
p0 347.1 ± 0.3427
370
360
350
340
330
320
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 5
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

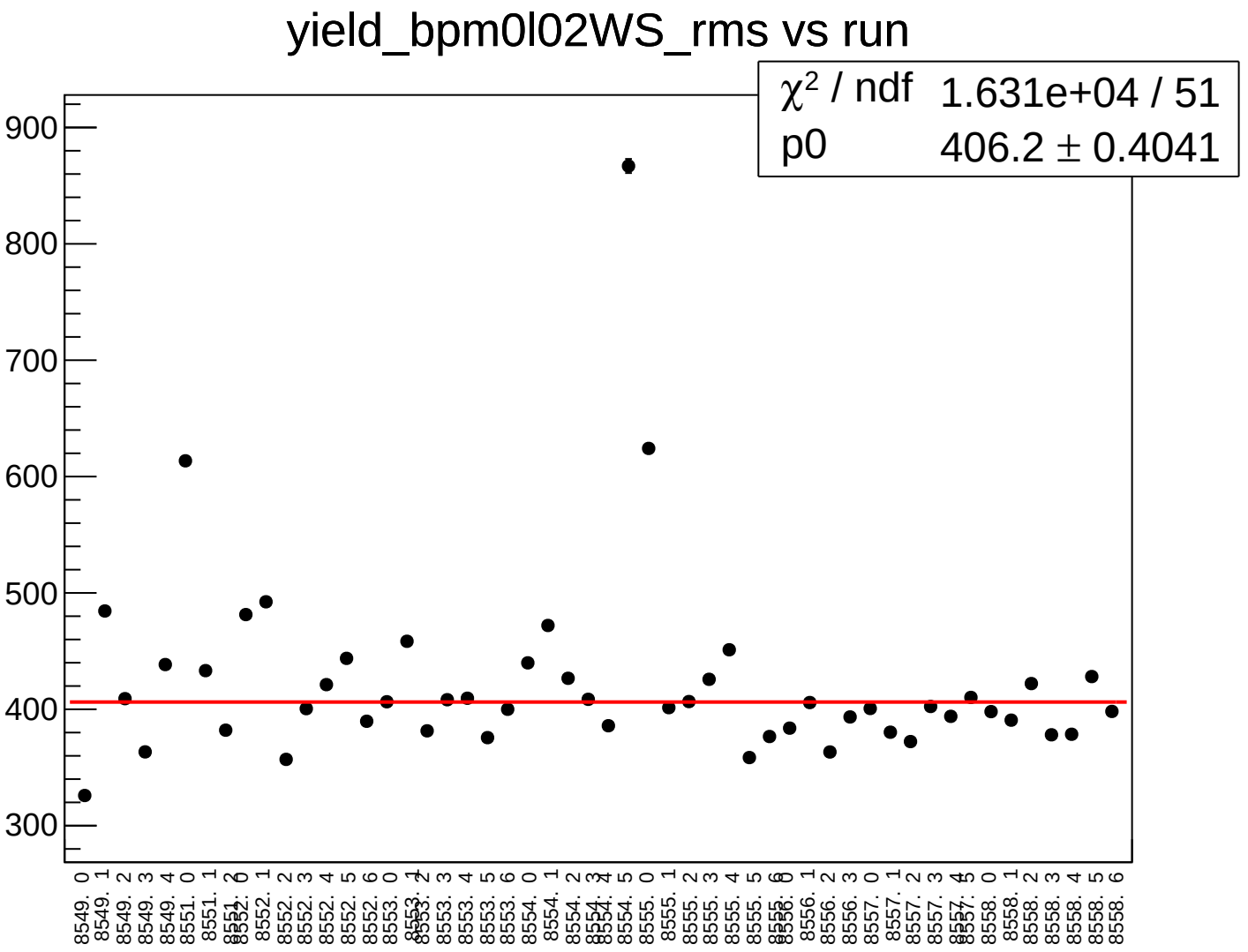

yield_bpm0l01WS_mean vs run
×10^3
χ² / ndf 1.783e+04 / 51
p0 1.169e+05 ± 0.4604
117.05
117
116.95
116.9
116.85
116.8
pull
Entries 52
Mean −121.2
Std Dev 0
40
30
20
10
0
−10
−20
−30

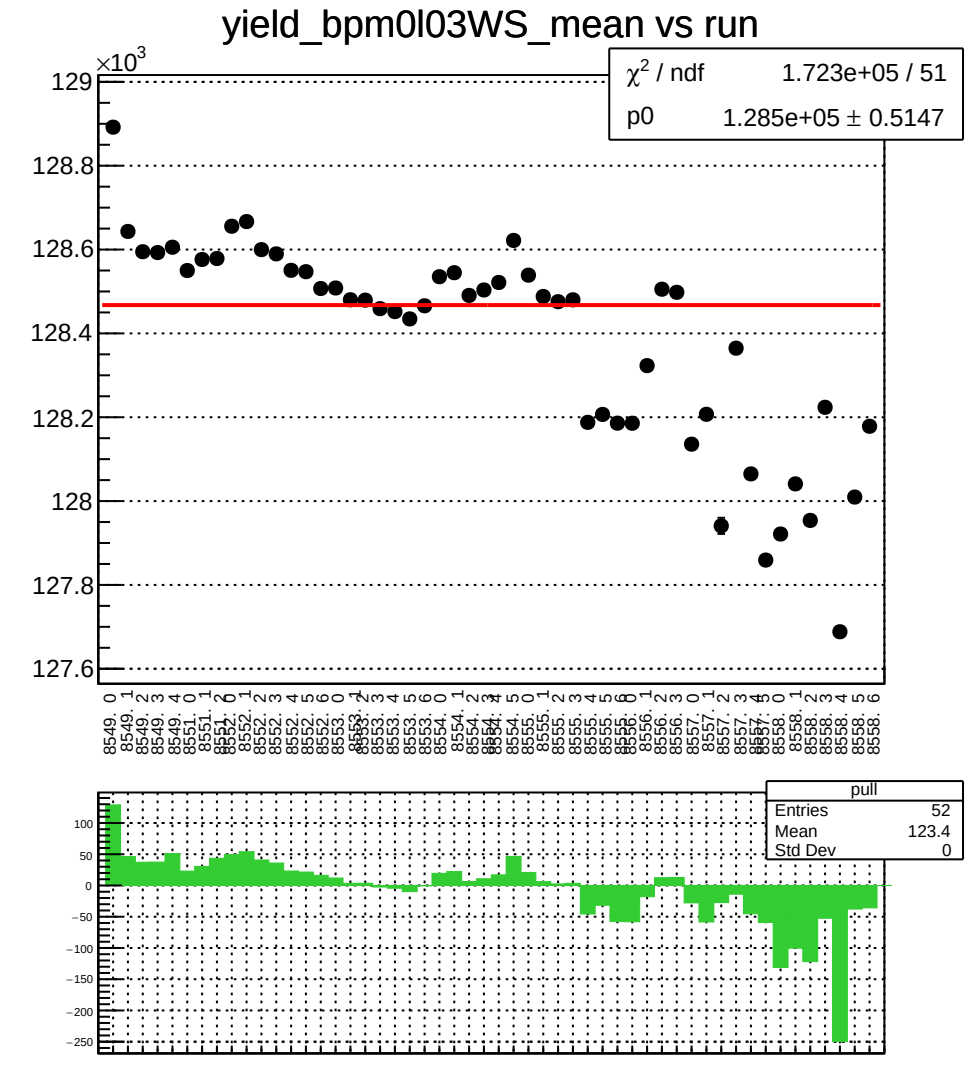

pull1D
Entries 52
Mean −0.9001
Std Dev 4.922
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

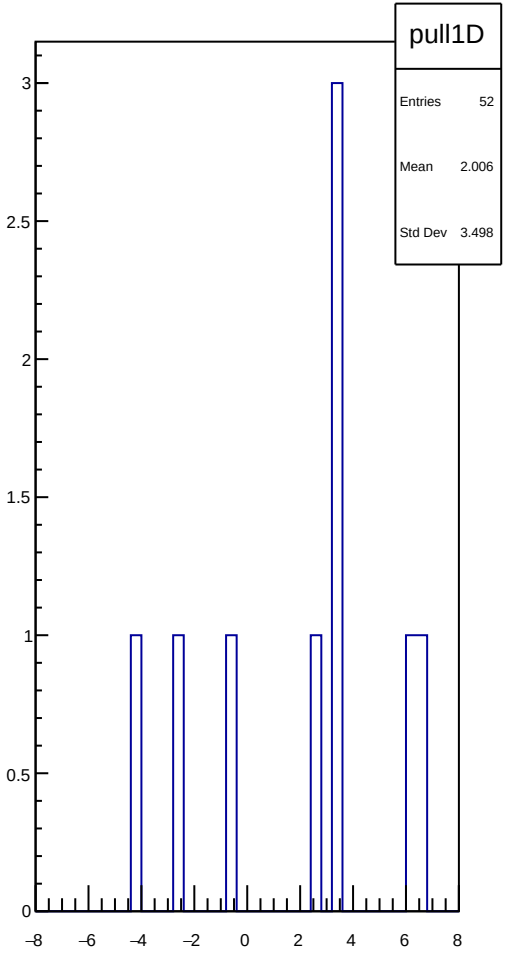

yield_bpm0l01WS_rms vs run
χ² / ndf 1503 / 51
p0 329.6 ± 0.3255
360
350
340
330
320
310
300
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

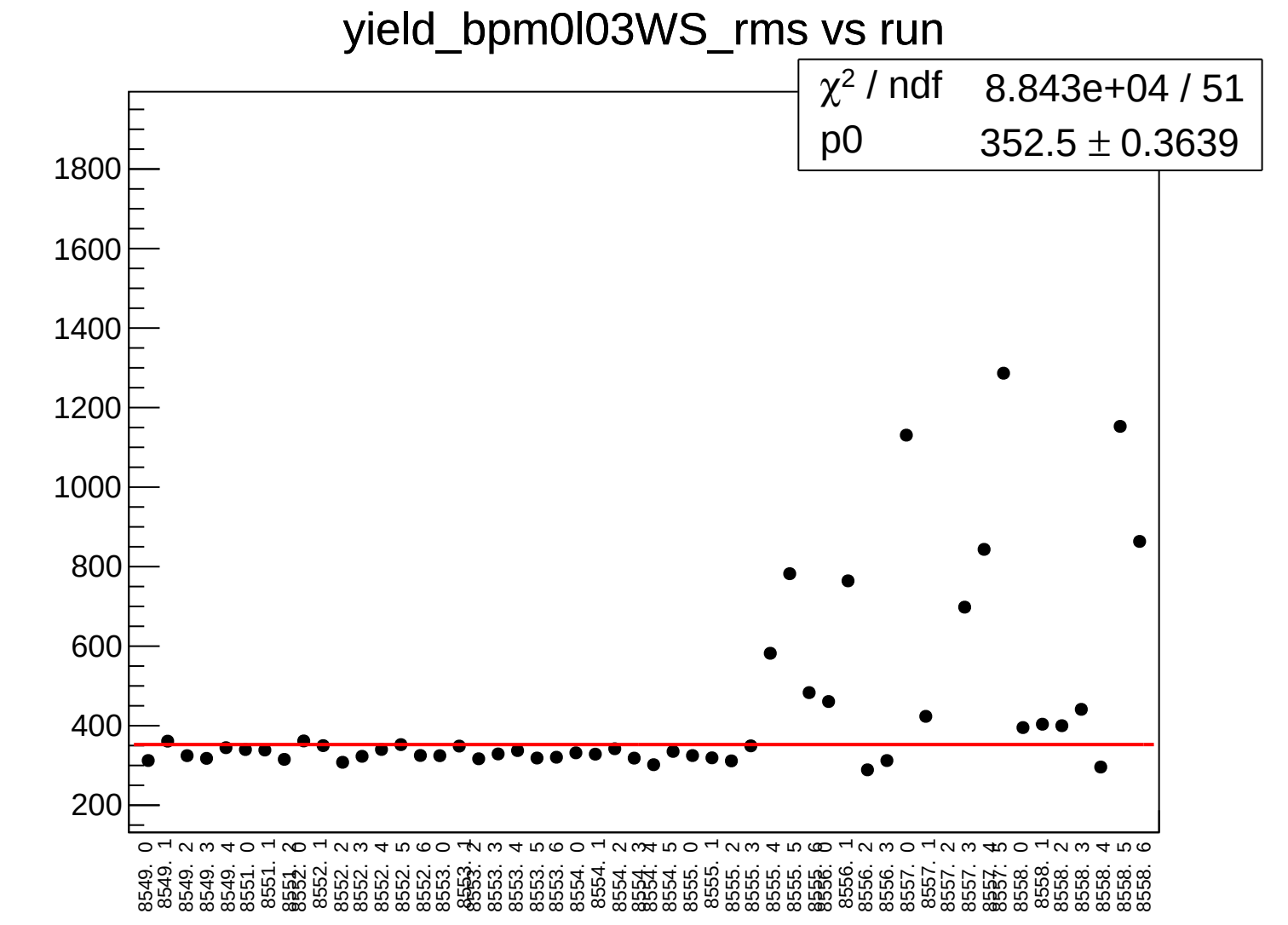

yield_bpm0l02WS_mean vs run
×10^3
χ² / ndf 3.24e+05 / 51
p0 1.304e+05 ± 0.5715
131
130.5
130
129.5
129
128.5
pull
Entries 52
Mean −355.5
Std Dev 0
100
0
−100
−200
−300
−400
−500

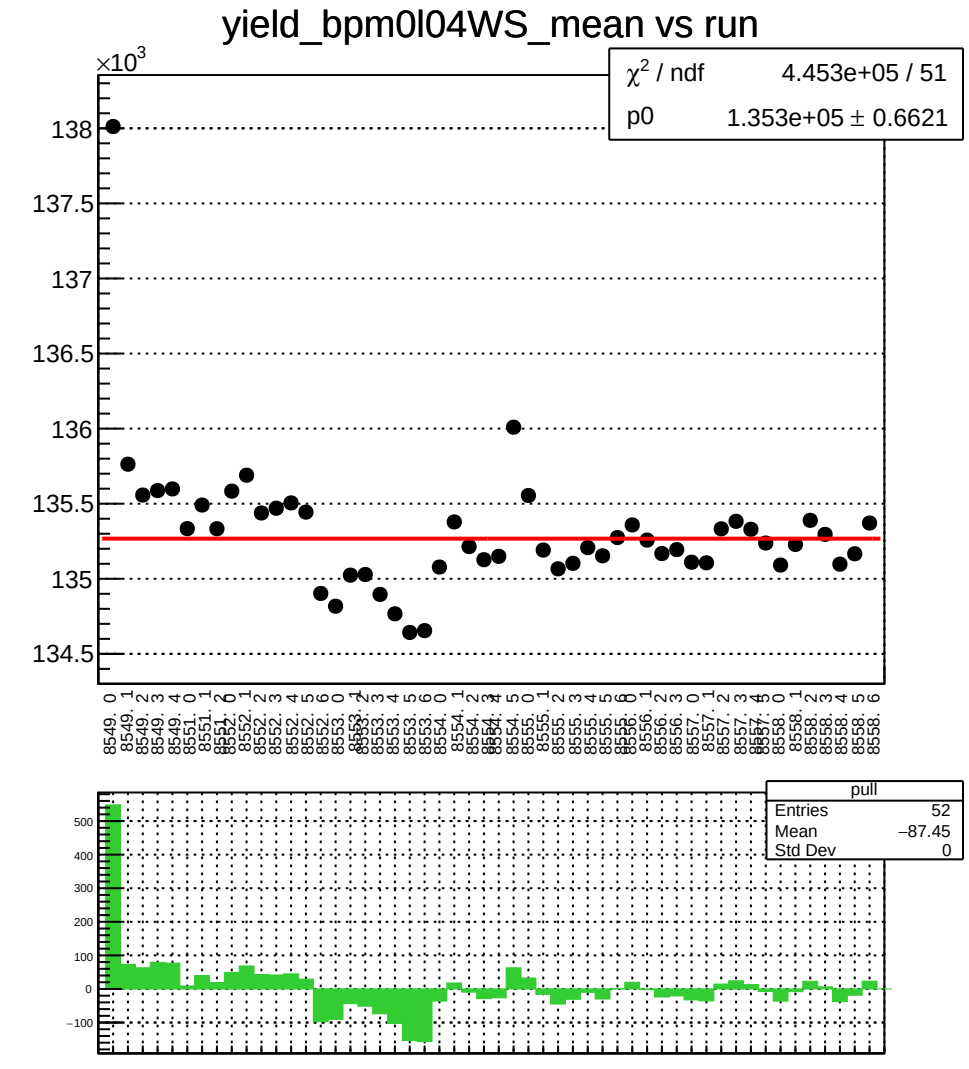

pull1D
Entries 52
Mean 0.2424
Std Dev 5.036
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

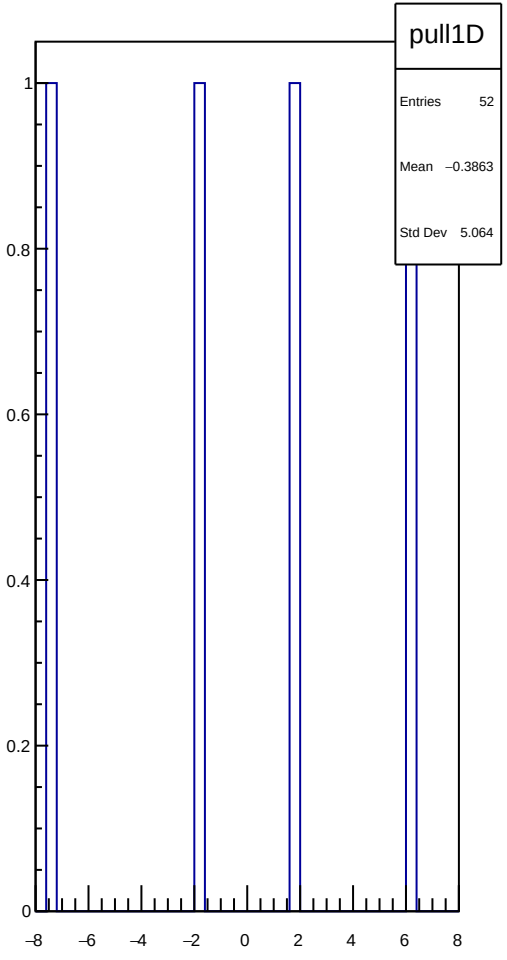

yield_bpm0l02WS_rms vs run
χ² / ndf 1.631e+04 / 51
p0 406.2 ± 0.4041
900
800
700
600
500
400
300
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 5
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

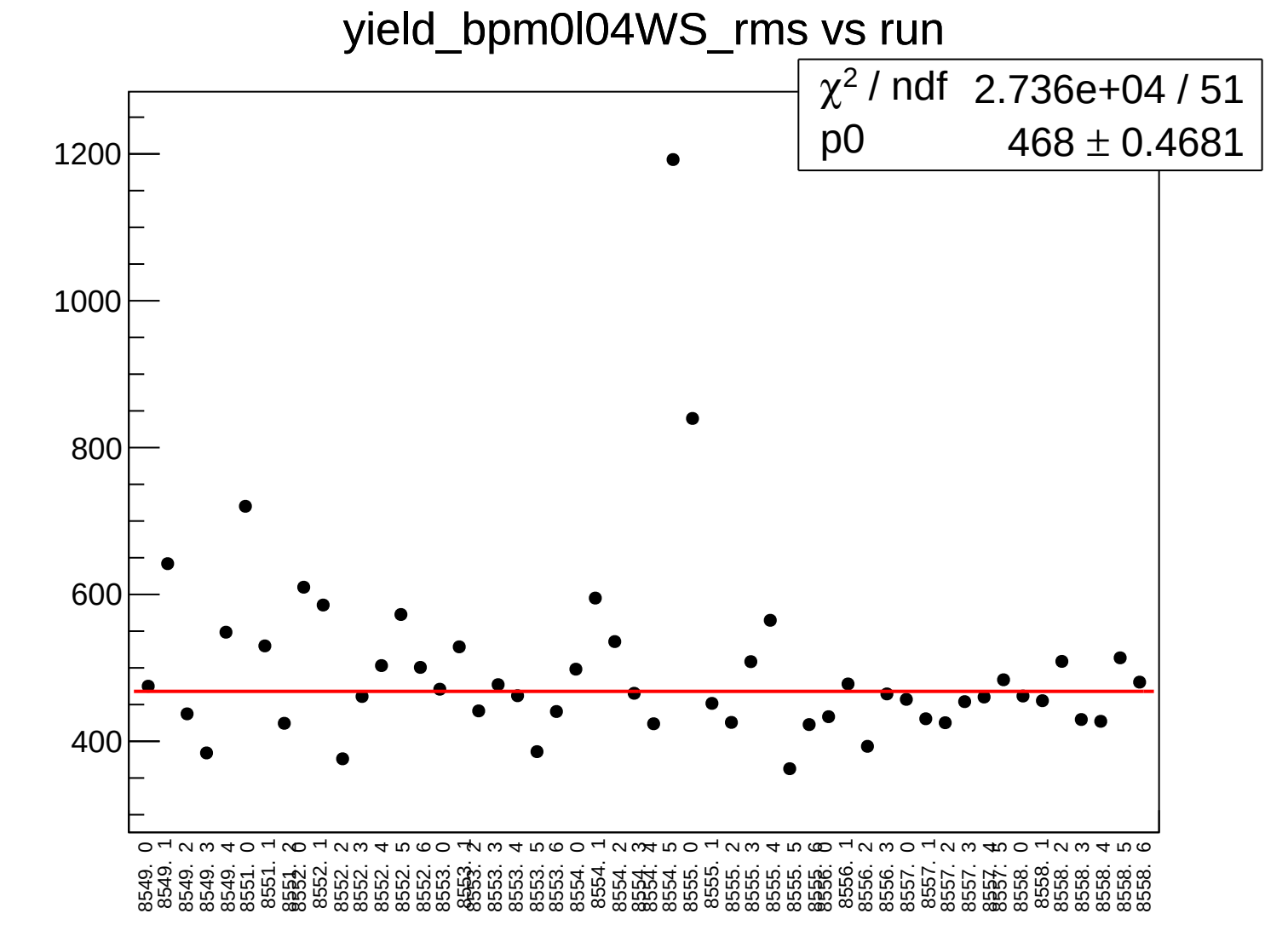

yield_bpm0l03WS_mean vs run
×10^3
χ² / ndf 1.723e+05 / 51
p0 1.285e+05 ± 0.5147
129
128.8
128.6
128.4
128.2
128
127.8
127.6
pull
Entries 52
Mean 123.4
Std Dev 0
100
50
0
−50
−100
−150
−200
−250

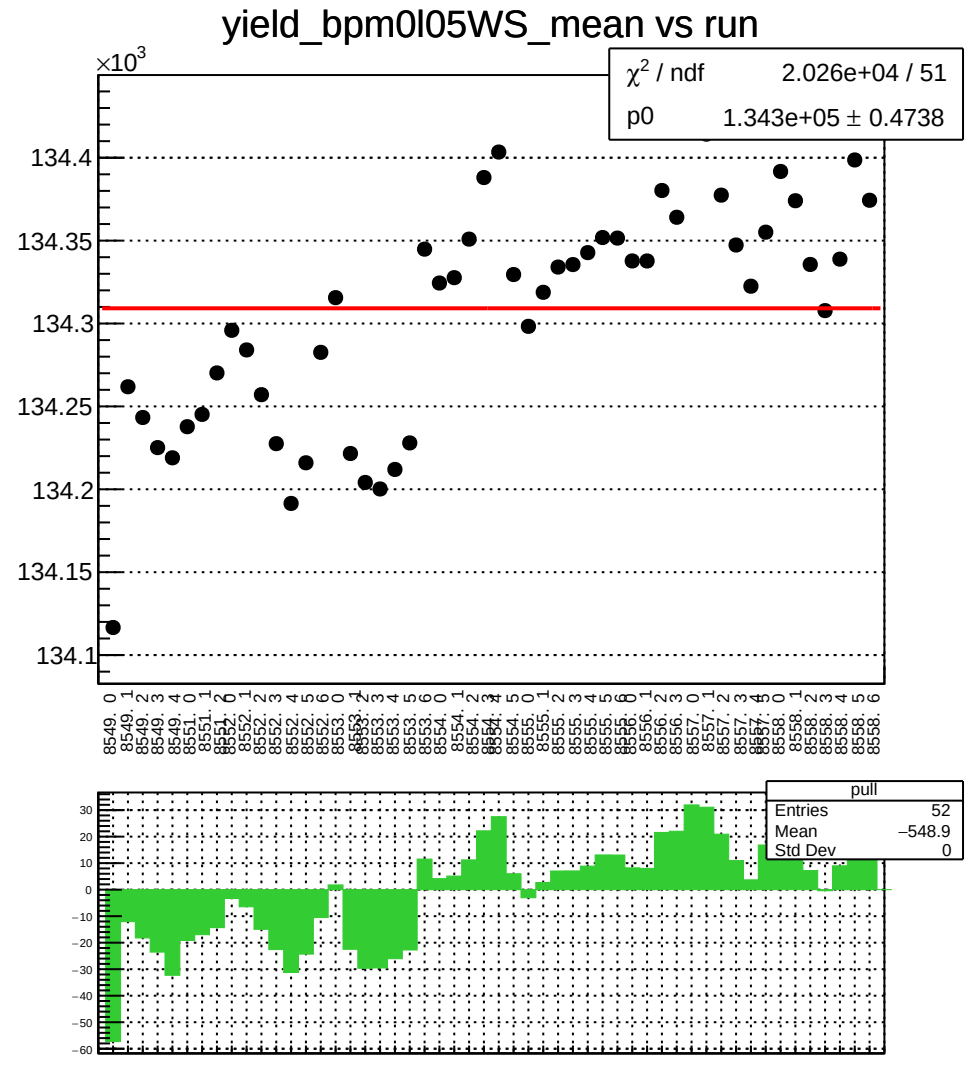

pull1D
Entries 52
Mean 2.006
Std Dev 3.498
3
2.5
2
1.5
1
0.5
0
−8
−6
−4
−2
0
2
4
6
8

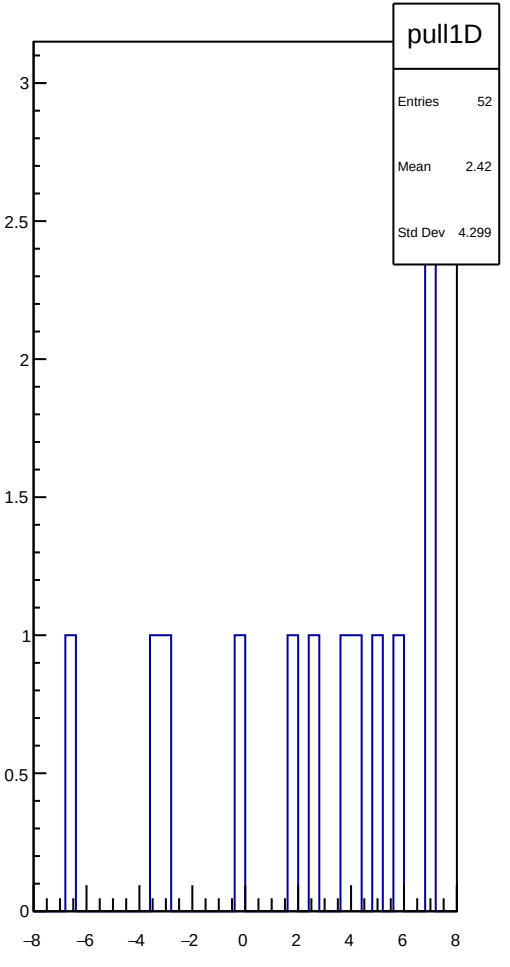

yield_bpm0l03WS_rms vs run
χ² / ndf 8.843e+04 / 51
p0 352.5 ± 0.3639
1800
1600
1400
1200
1000
800
600
400
200
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

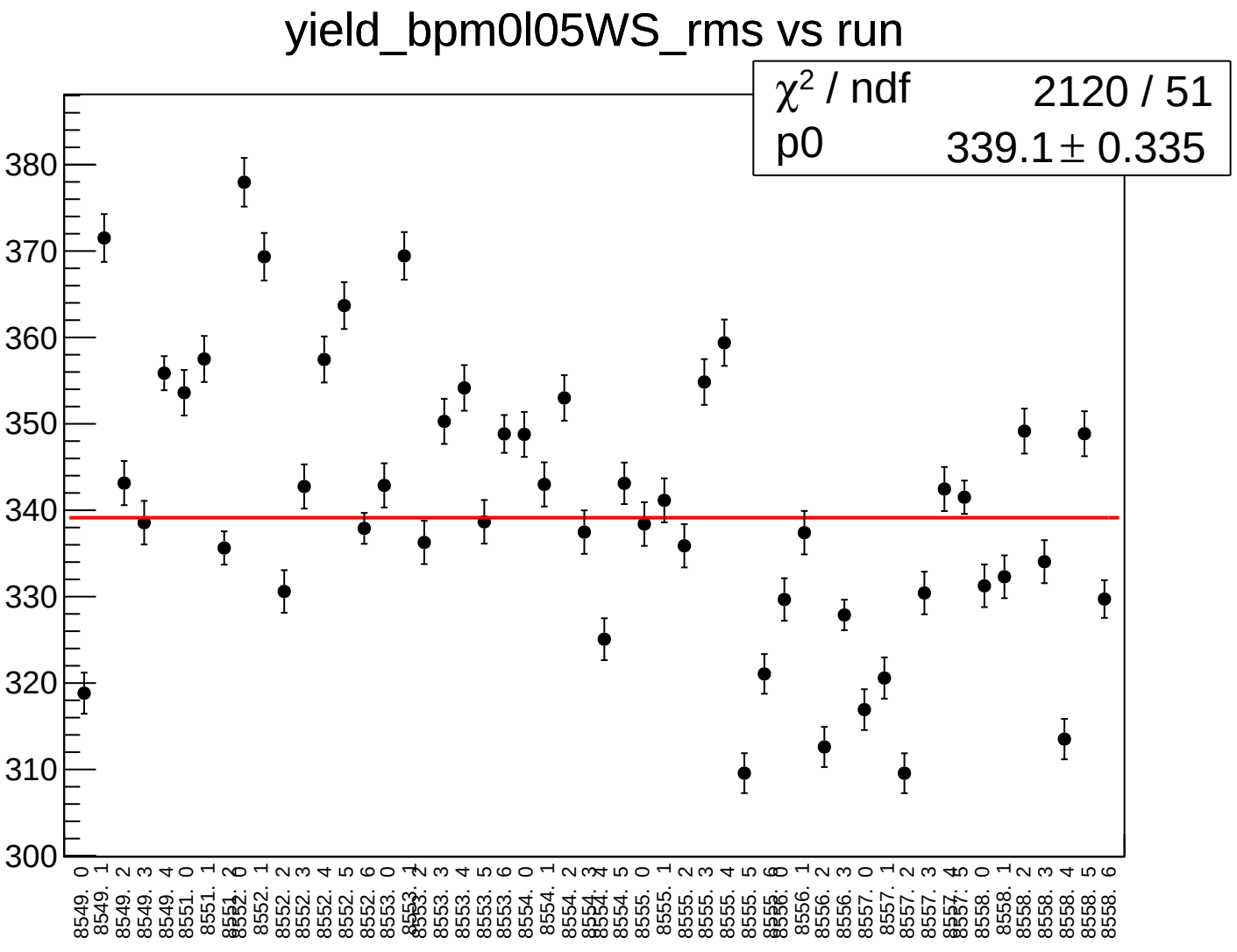

yield_bpm0l04WS_mean vs run
×10^3
χ² / ndf 4.453e+05 / 51
p0 1.353e+05 ± 0.6621
138
137.5
137
136.5
136
135.5
135
134.5
pull
Entries 52
Mean −87.45
Std Dev 0
500
400
300
200
100
0
−100

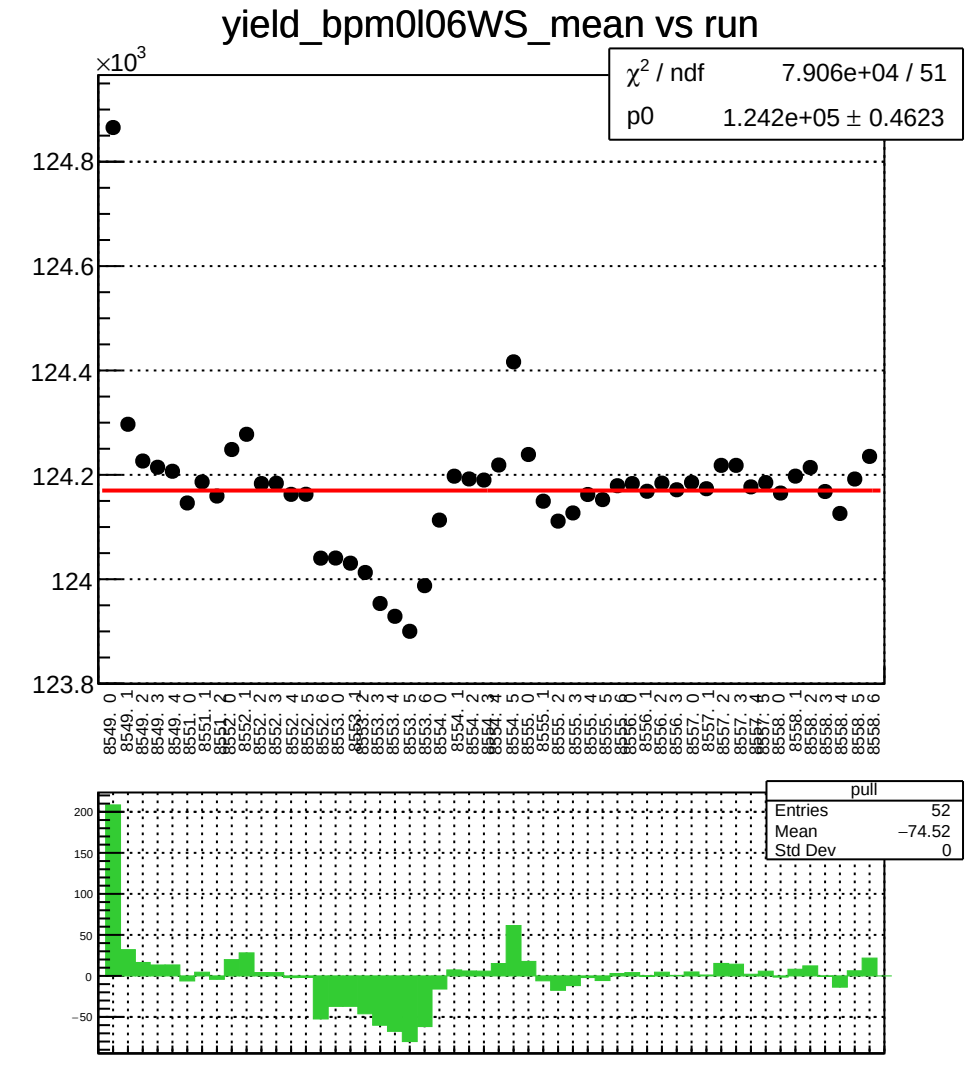

pull1D
Entries 52
Mean −0.3863
Std Dev 5.064
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

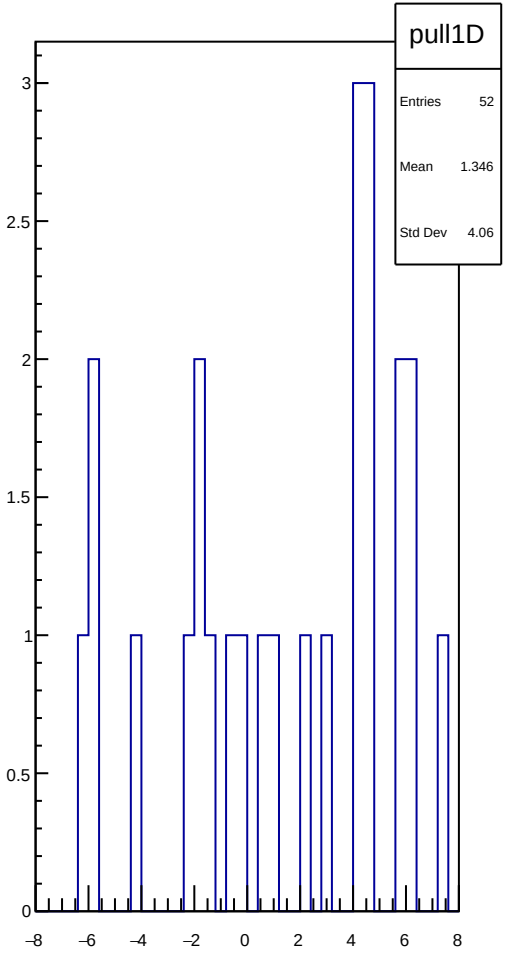

yield_bpm0l04WS_rms vs run
χ² / ndf 2.736e+04 / 51
p0 468 ± 0.4681
1200
1000
800
600
400
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 5
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

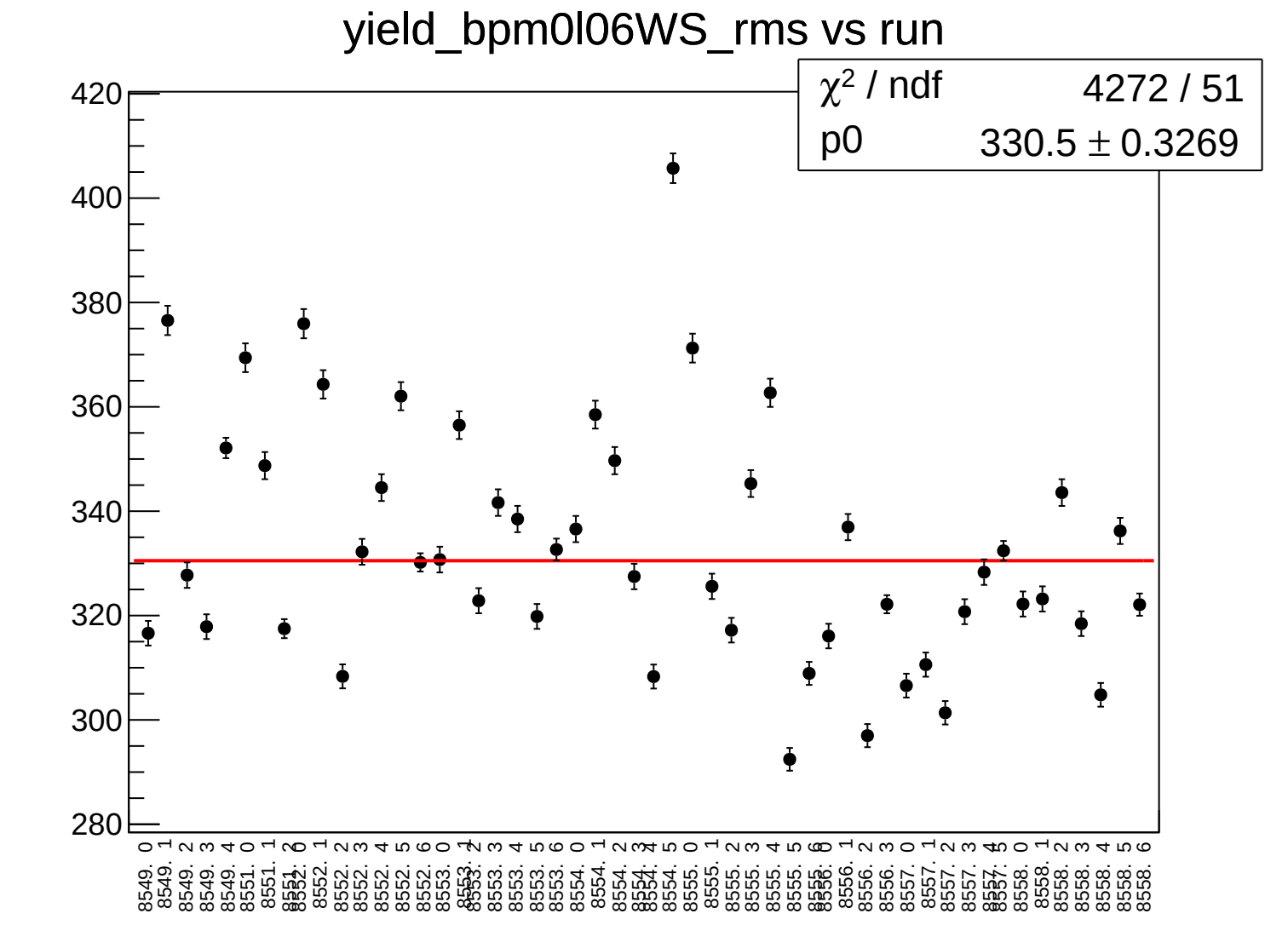

yield_bpm0l05WS_mean vs run
×10^3
χ^2 / ndf 2.026e+04 / 51
p0 1.343e+05 ± 0.4738
134.4
134.35
134.3
134.25
134.2
134.15
134.1
pull
Entries 52
Mean −548.9
Std Dev 0
30
20
10
0
−10
−20
−30
−40
−50
−60

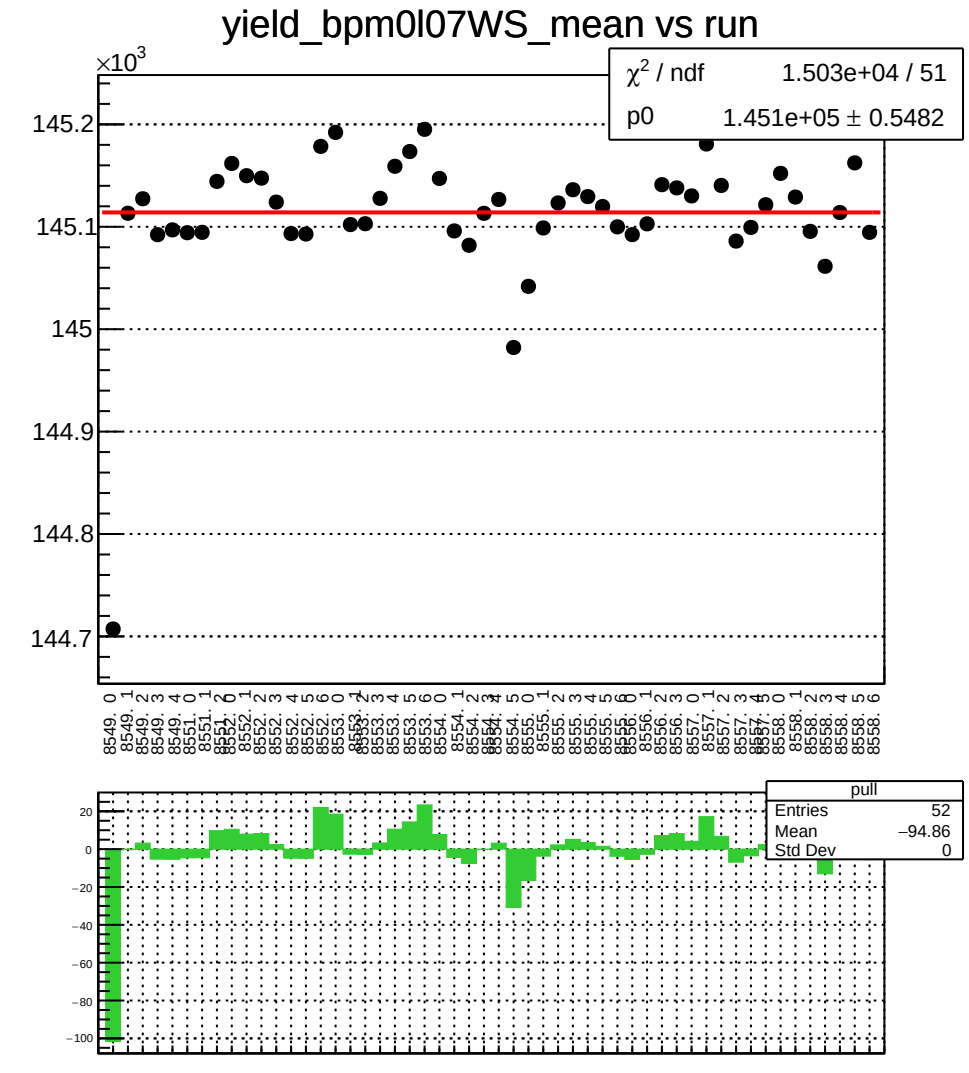

pull1D
Entries 52
Mean 2.42
Std Dev 4.299
3
2.5
2
1.5
1
0.5
0
−8
−6
−4
−2
0
2
4
6
8

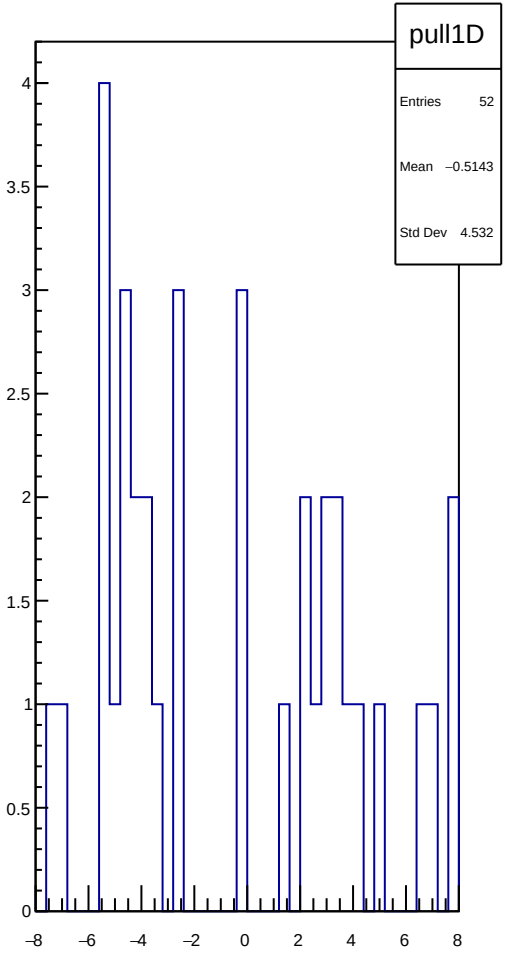

yield_bpm0l05WS_rms vs run
χ² / ndf 2120 / 51
p0 339.1 ± 0.335
380
370
360
350
340
330
320
310
300
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 5
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

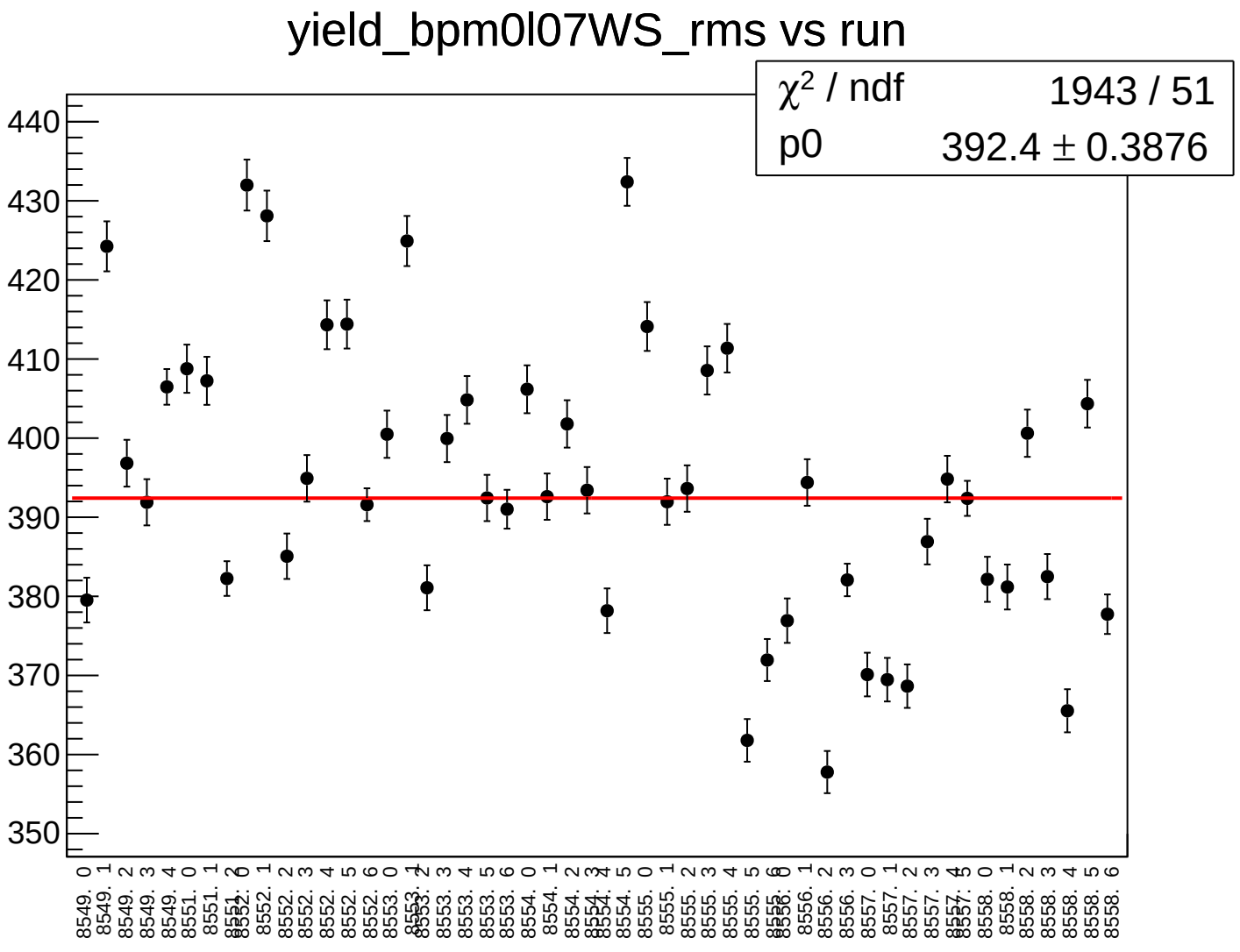

yield_bpm0l06WS_mean vs run
×10^3
χ² / ndf 7.906e+04 / 51
p0 1.242e+05 ± 0.4623
124.8
124.6
124.4
124.2
124
123.8
pull
Entries 52
Mean −74.52
Std Dev 0
200
150
100
50
0
−50

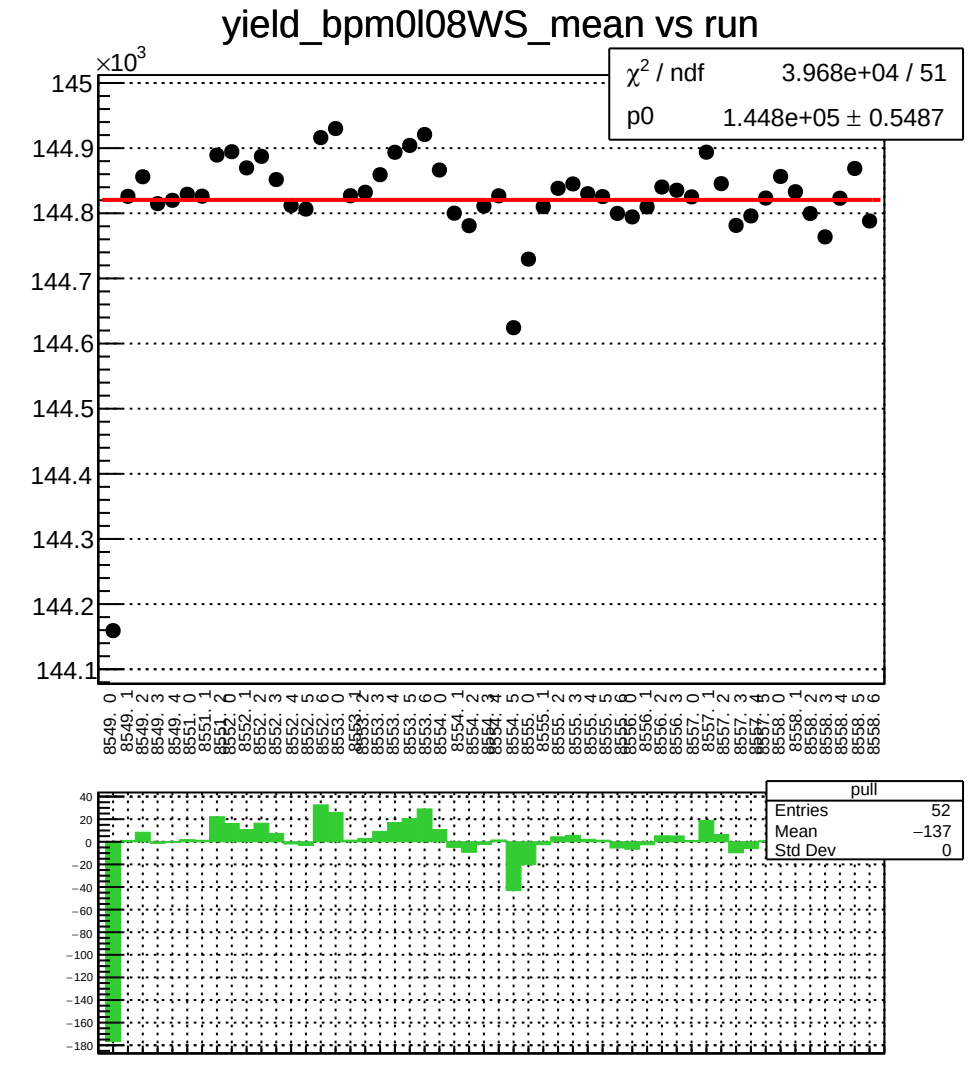

pull1D
Entries 52
Mean 1.346
Std Dev 4.06
3
2.5
2
1.5
1
0.5
0
−8
−6
−4
−2
0
2
4
6
8

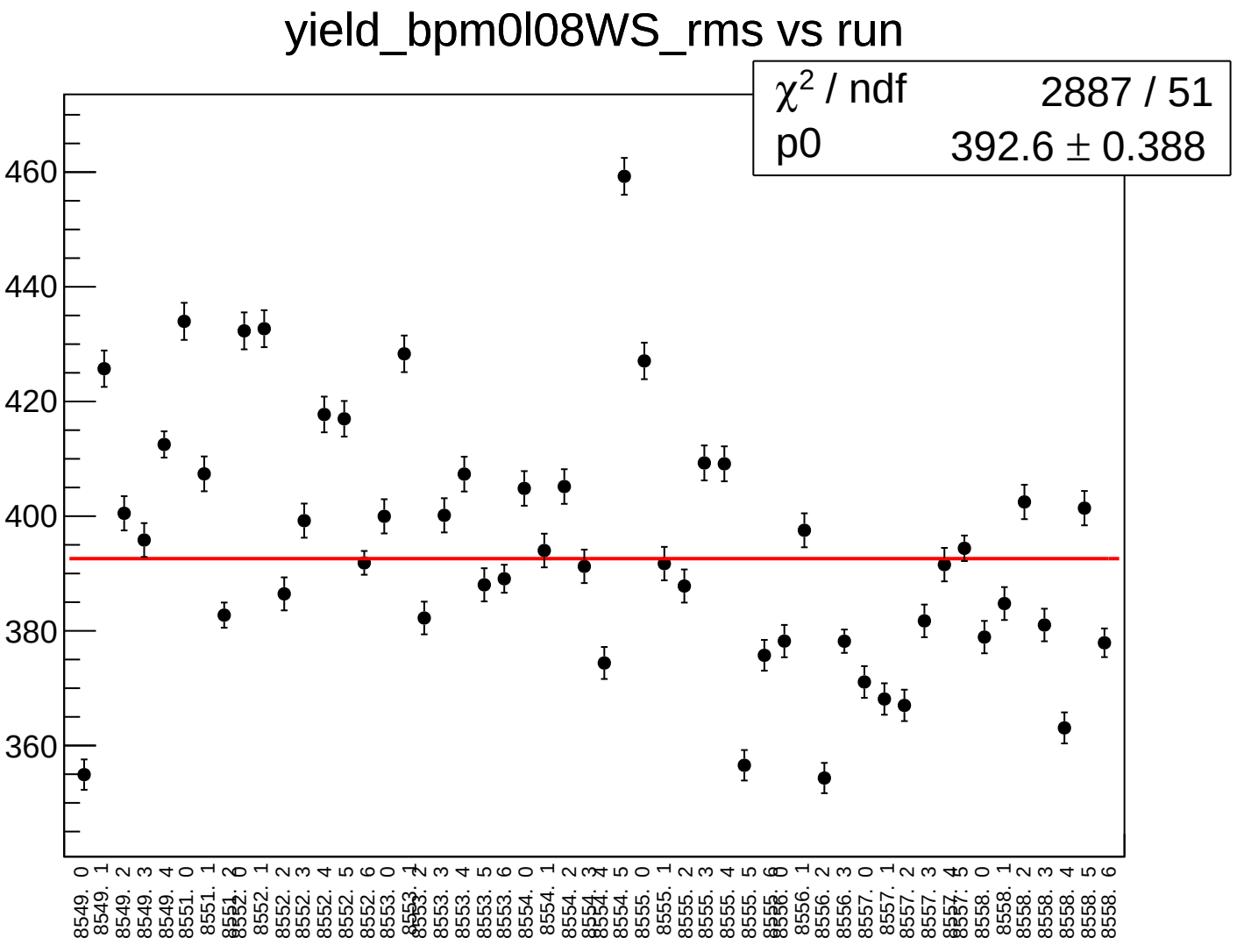

yield_bpm0l06WS_rms vs run
χ² / ndf 4272 / 51
p0 330.5 ± 0.3269
420
400
380
360
340
320
300
280
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 5
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

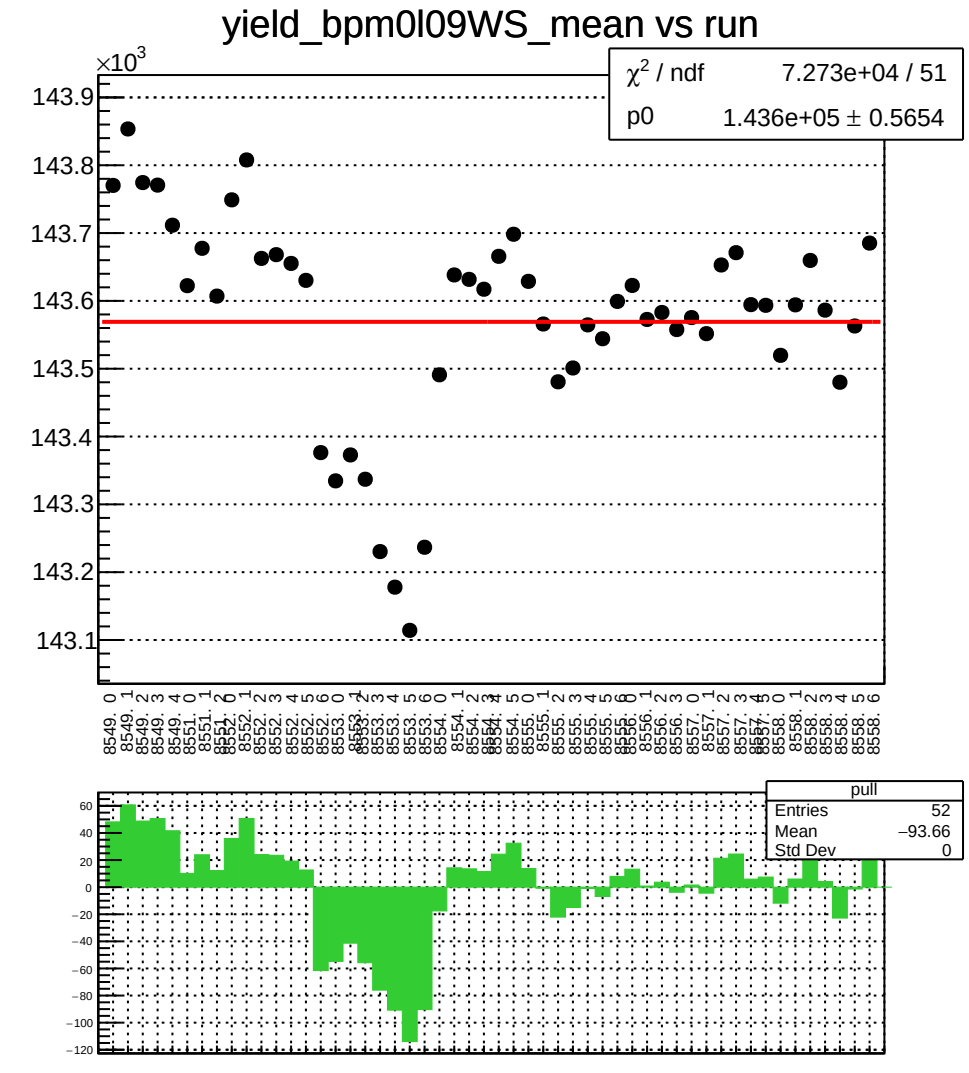

yield_bpm0l07WS_mean vs run
×10^3
χ² / ndf 1.503e+04 / 51
p0 1.451e+05 ± 0.5482
145.2
145.1
145
144.9
144.8
144.7
pull
Entries 52
Mean −94.86
Std Dev 0
20
0
−20
−40
−60
−80
−100

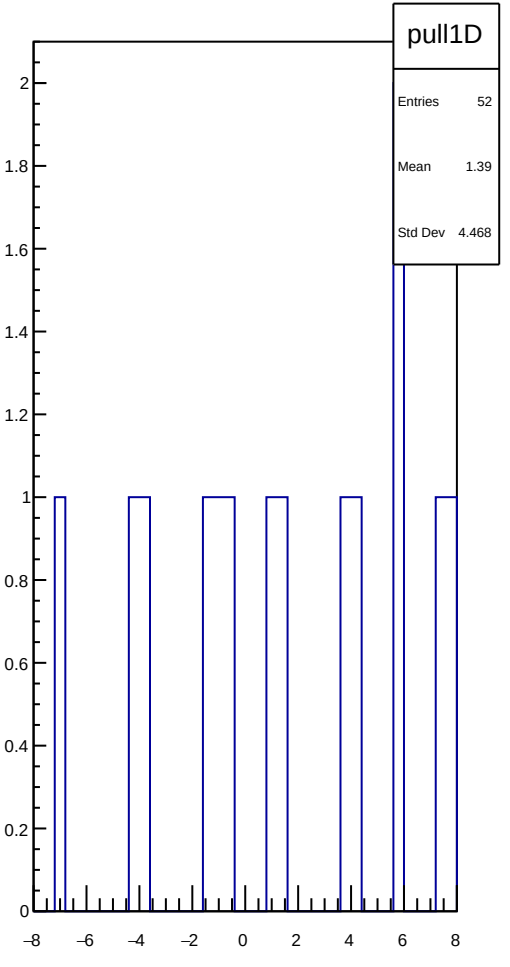

pull1D
Entries 52
Mean −0.5143
Std Dev 4.532
4
3.5
3
2.5
2
1.5
1
0.5
0
−8
−6
−4
−2
0
2
4
6
8

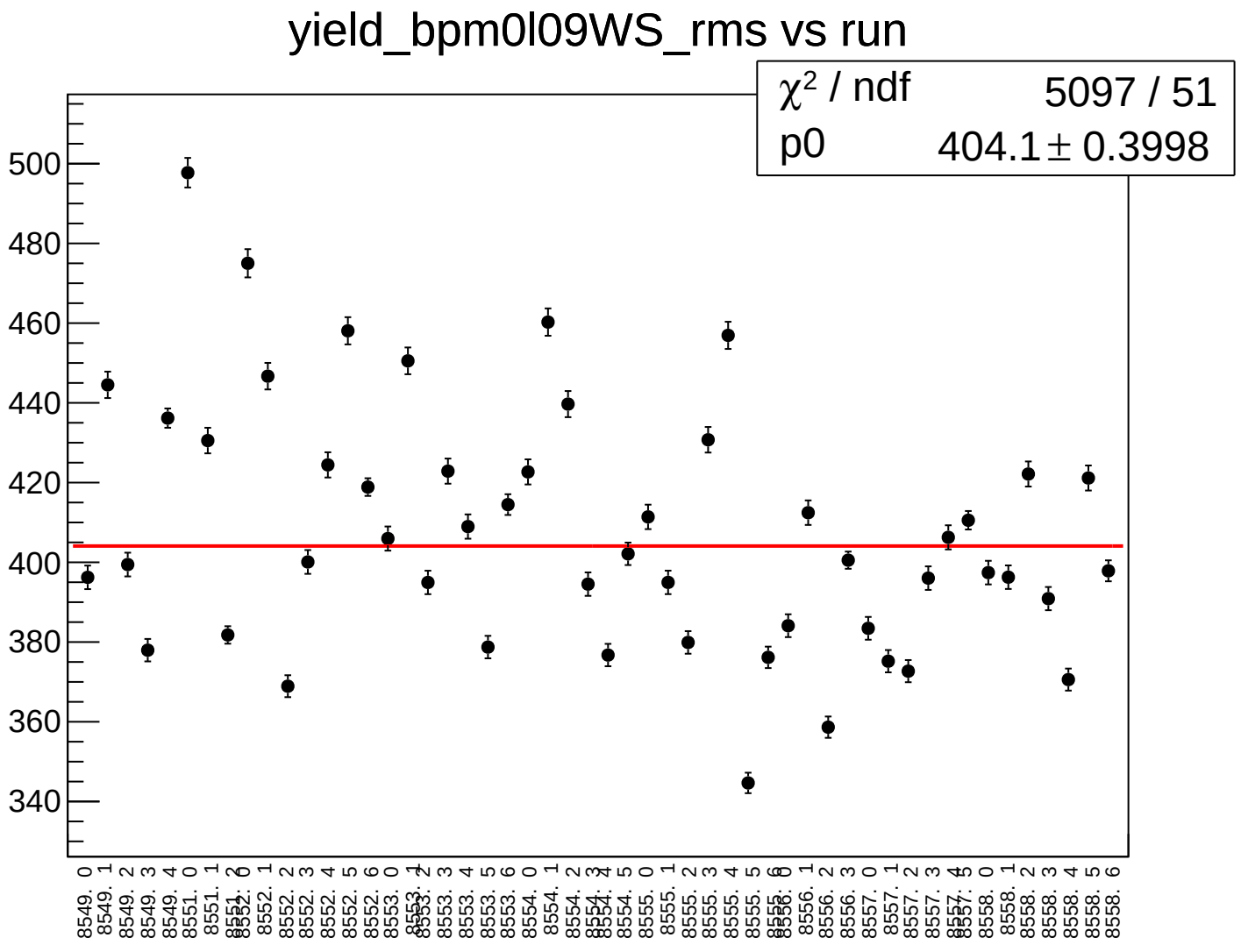

yield_bpm0l07WS_rms vs run
χ² / ndf 1943 / 51
p0 392.4 ± 0.3876
440
430
420
410
400
390
380
370
360
350
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 5
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

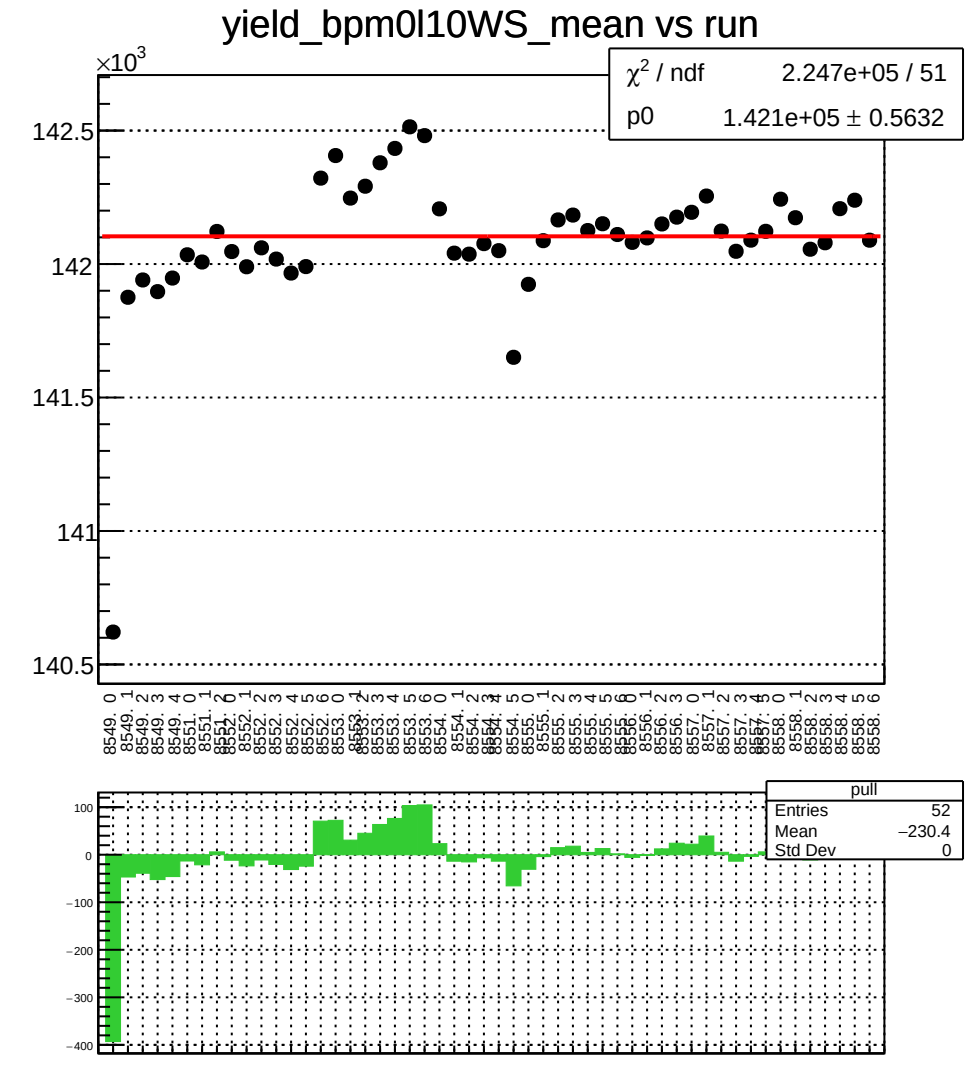

yield_bpm0l08WS_mean vs run
×10^3
145
144.9
144.8
144.7
144.6
144.5
144.4
144.3
144.2
144.1
χ² / ndf 3.968e+04 / 51
p0 1.448e+05 ± 0.5487
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8551. 2
8552. 0
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 1
8553. 2
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 3
8554. 4
8554. 5
8554. 6
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8555. 6
8556. 0
8556. 1
8556. 2
8556. 3
8556. 4
8557. 0
8557. 1
8557. 2
8557. 3
8557. 4
8557. 5
8557. 6
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6
40
20
0
−20
−40
−60
−80
−100
−120
−140
−160
−180
pull
Entries 52
Mean −137
Std Dev 0
pull1D
Entries 52
Mean 0.4076
Std Dev 3.774
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

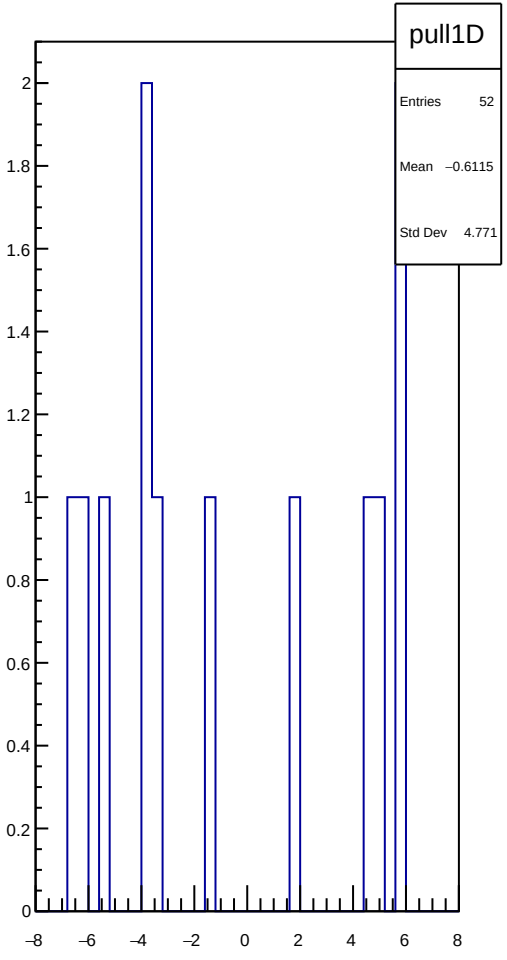

yield_bpm0l08WS_rms vs run
χ² / ndf 2887 / 51
p0 392.6 ± 0.388
460
440
420
400
380
360
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 5
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

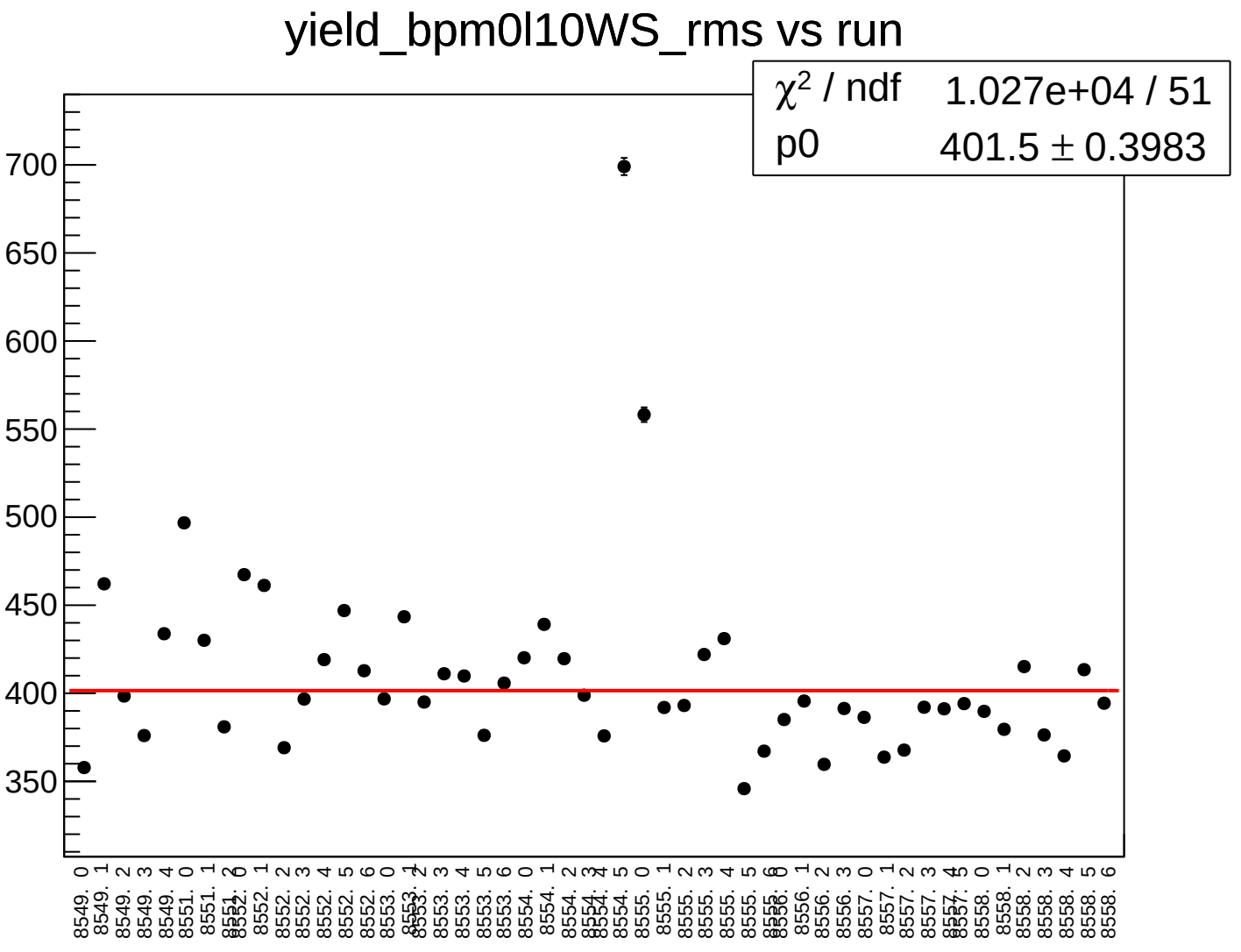

yield_bpm0l09WS_mean vs run
×10^3
χ^2 / ndf 7.273e+04 / 51
p0 1.436e+05 ± 0.5654
143.9
143.8
143.7
143.6
143.5
143.4
143.3
143.2
143.1
pull
Entries 52
Mean −93.66
Std Dev 0
60
40
20
0
−20
−40
−60
−80
−100
−120

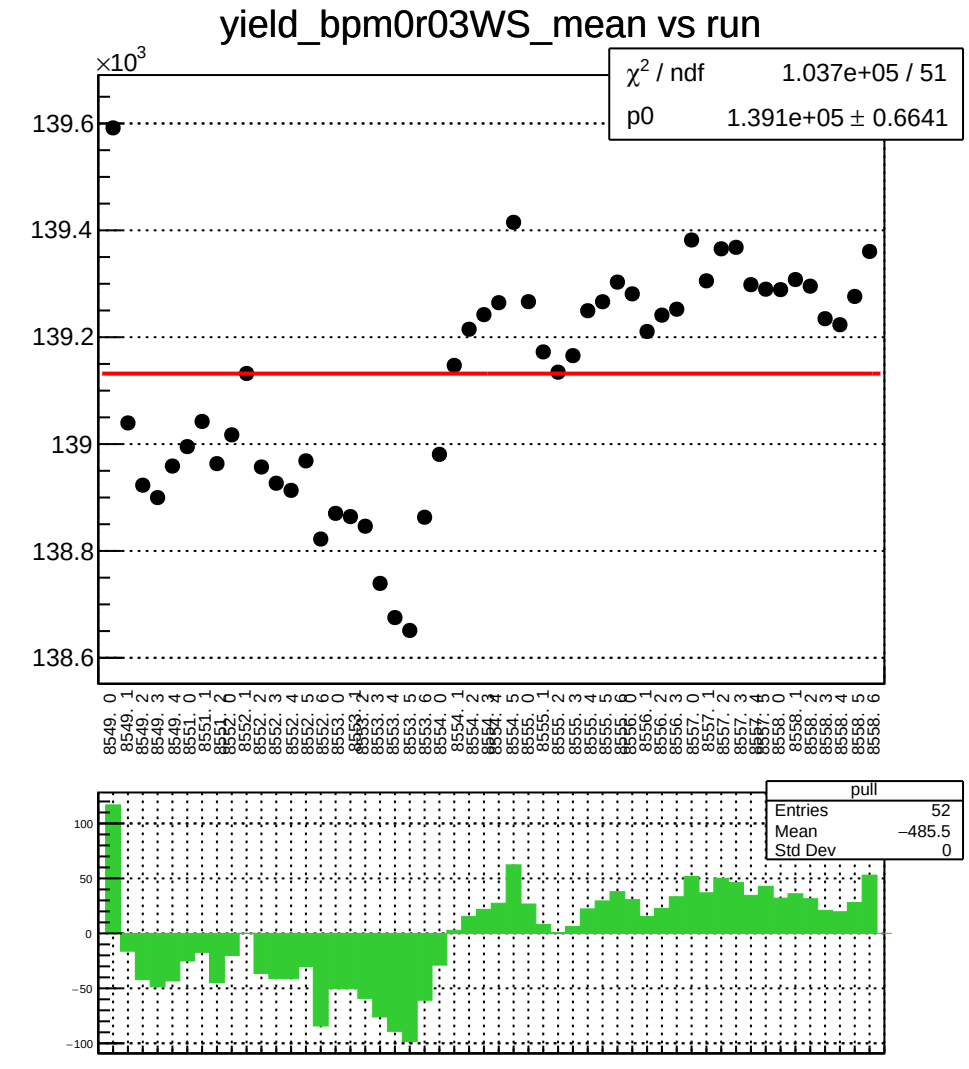

pull1D
Entries 52
Mean 1.39
Std Dev 4.468
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

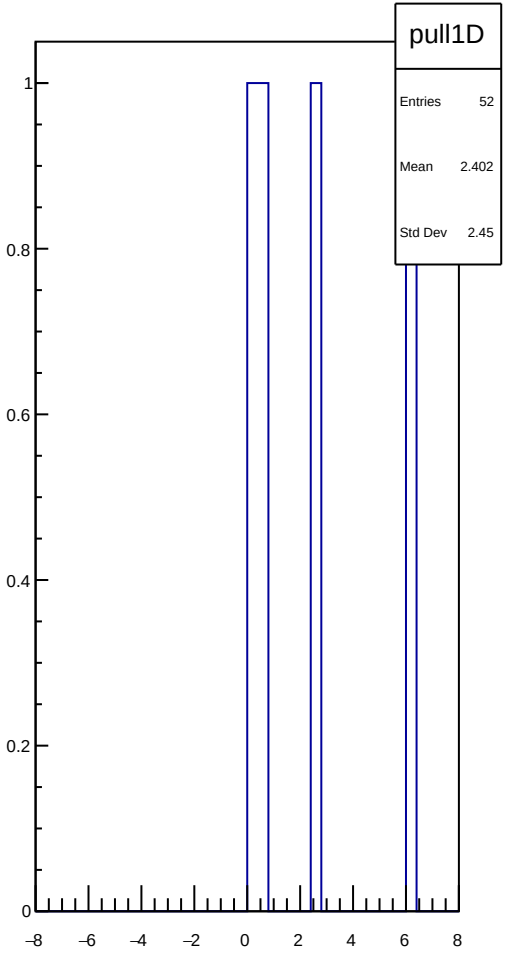

yield_bpm0l09WS_rms vs run
χ² / ndf 5097 / 51
p0 404.1 ± 0.3998
500
480
460
440
420
400
380
360
340
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 5
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

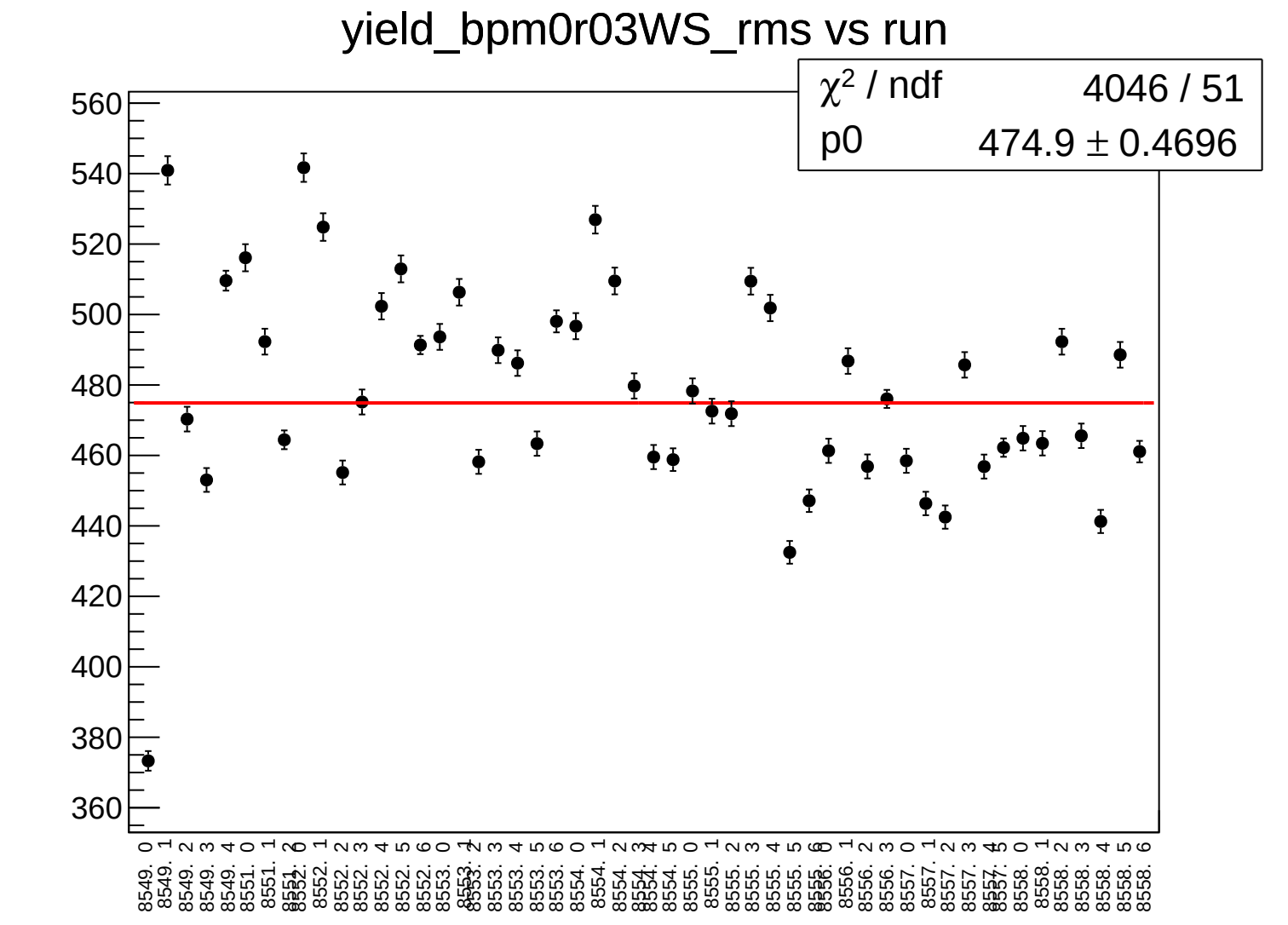

yield_bpm0l10WS_mean vs run
×10^3
χ² / ndf 2.247e+05 / 51
p0 1.421e+05 ± 0.5632
142.5
142
141.5
141
140.5
pull
Entries 52
Mean −230.4
Std Dev 0
100
0
−100
−200
−300
−400

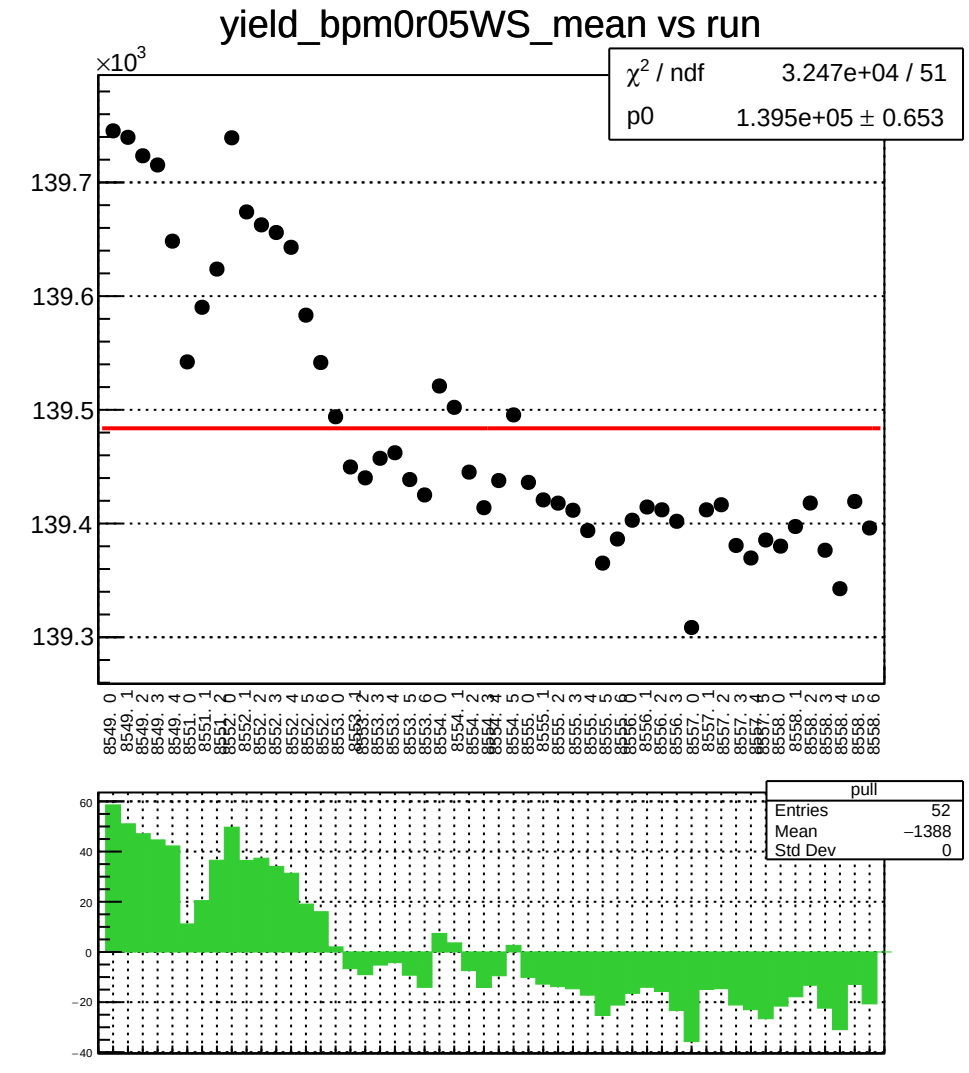

pull1D
Entries 52
Mean −0.6115
Std Dev 4.771
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

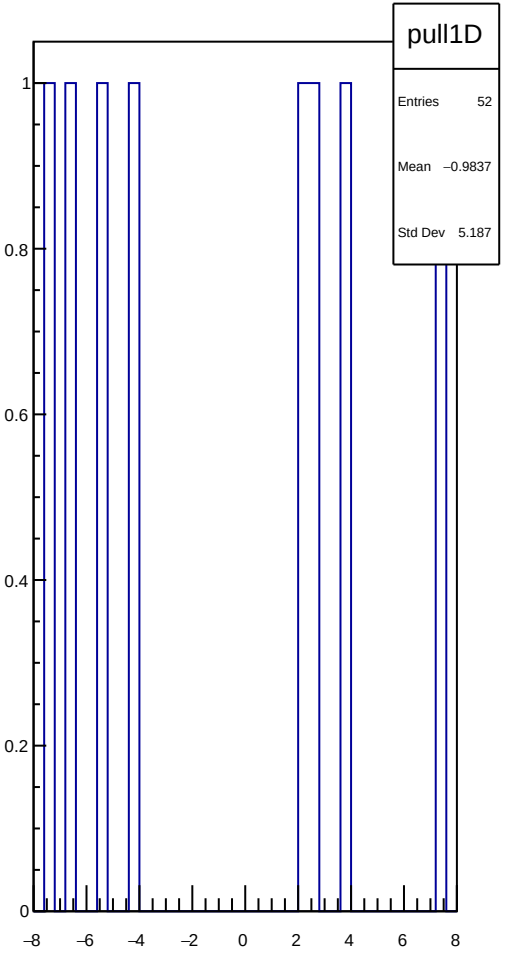

yield_bpm0l10WS_rms vs run
χ² / ndf 1.027e+04 / 51
p0 401.5 ± 0.3983
700
650
600
550
500
450
400
350
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 5
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

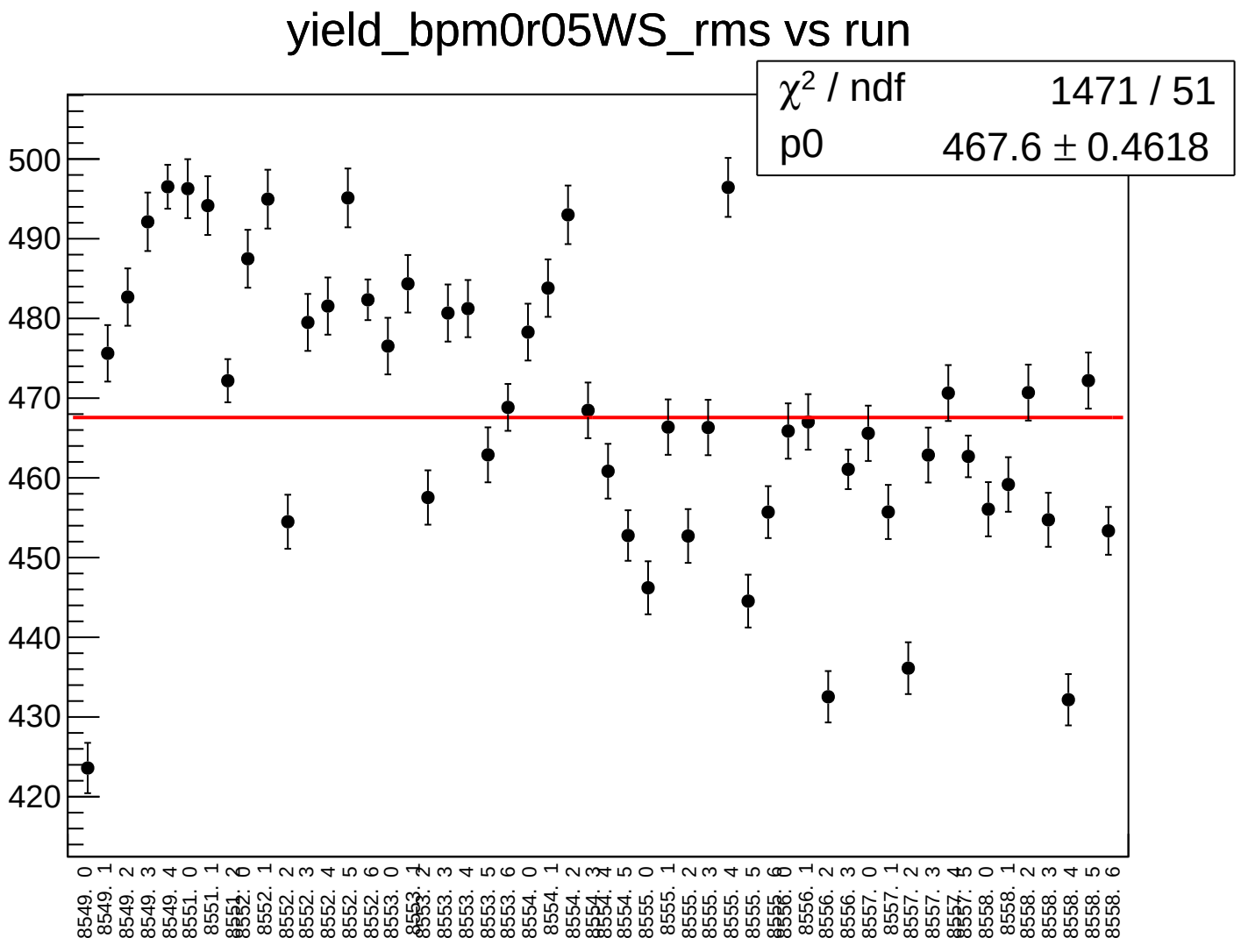

yield_bpm0r03WS_mean vs run
×10^3
χ² / ndf 1.037e+05 / 51
p0 1.391e+05 ± 0.6641
139.6
139.4
139.2
139
138.8
138.6
pull
Entries 52
Mean −485.5
Std Dev 0
100
50
0
−50
−100

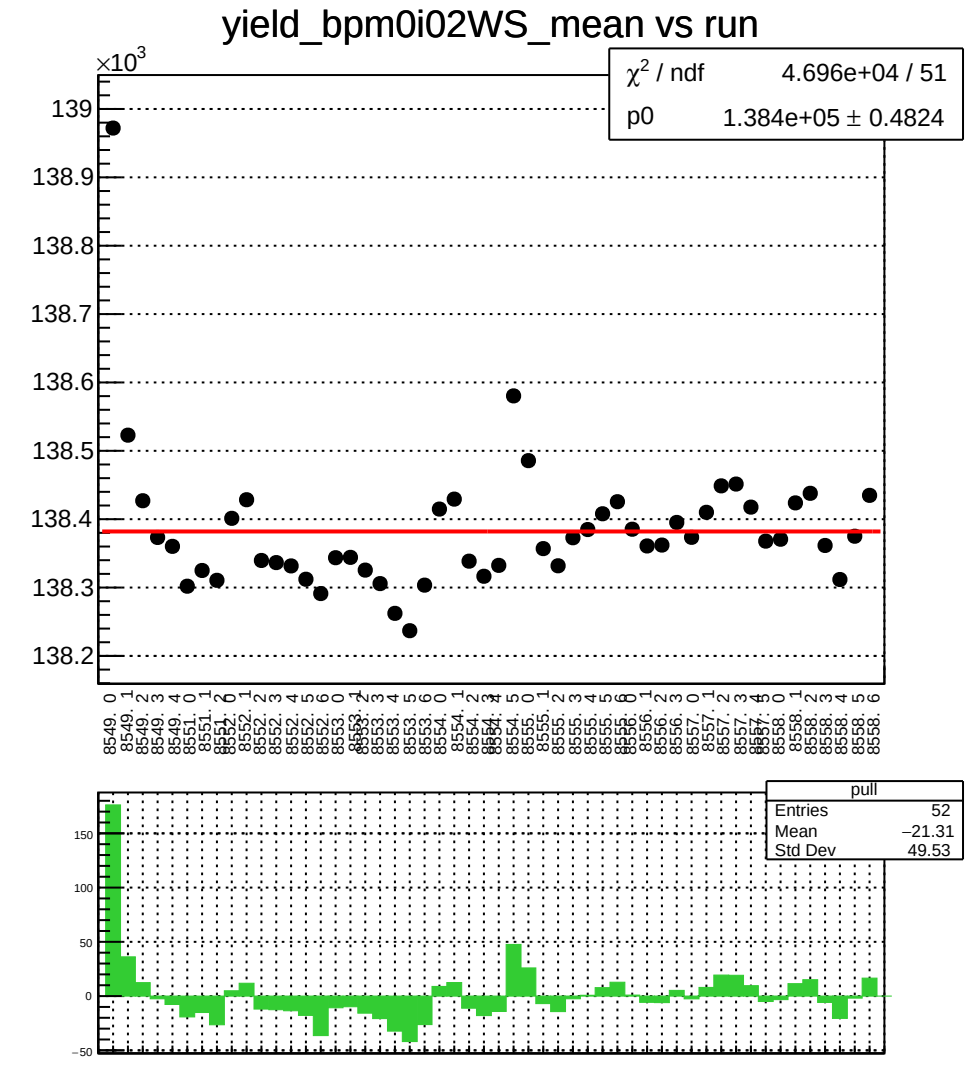

pull1D
Entries 52
Mean 2.402
Std Dev 2.45
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

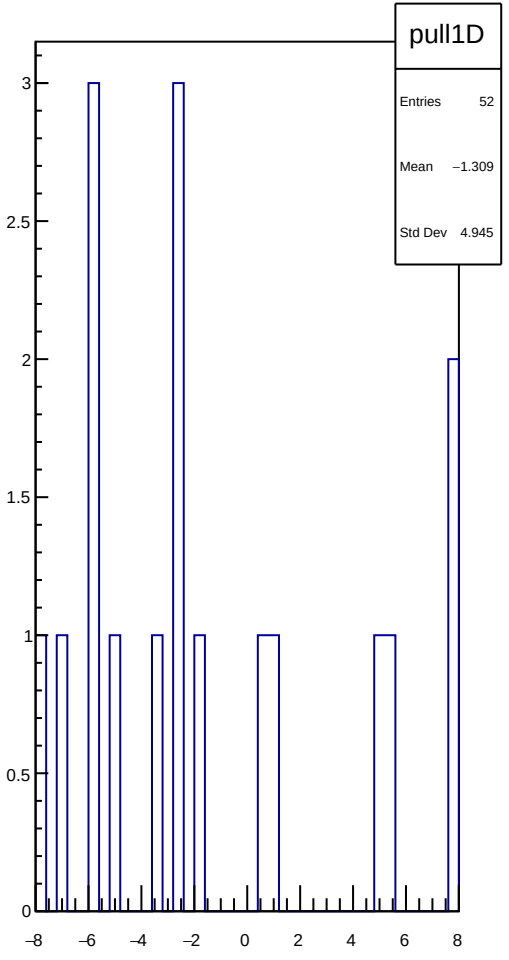

yield_bpm0r03WS_rms vs run
χ² / ndf 4046 / 51
p0 474.9 ± 0.4696
560
540
520
500
480
460
440
420
400
380
360
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

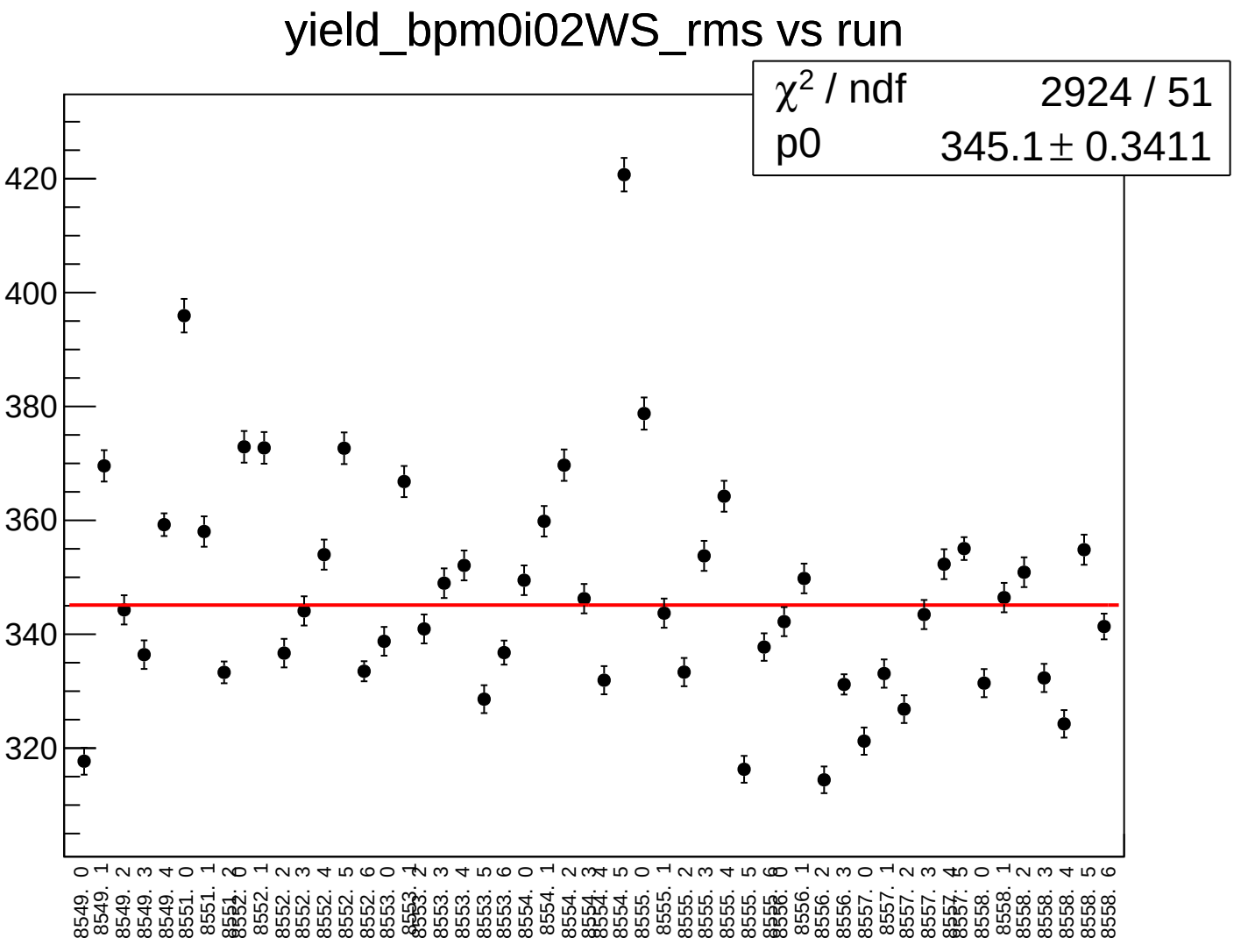

yield_bpm0r05WS_mean vs run
χ² / ndf 3.247e+04 / 51
p0 1.395e+05 ± 0.653
×10³
139.7
139.6
139.5
139.4
139.3
pull
Entries 52
Mean −1388
Std Dev 0
60
40
20
0
−20
−40

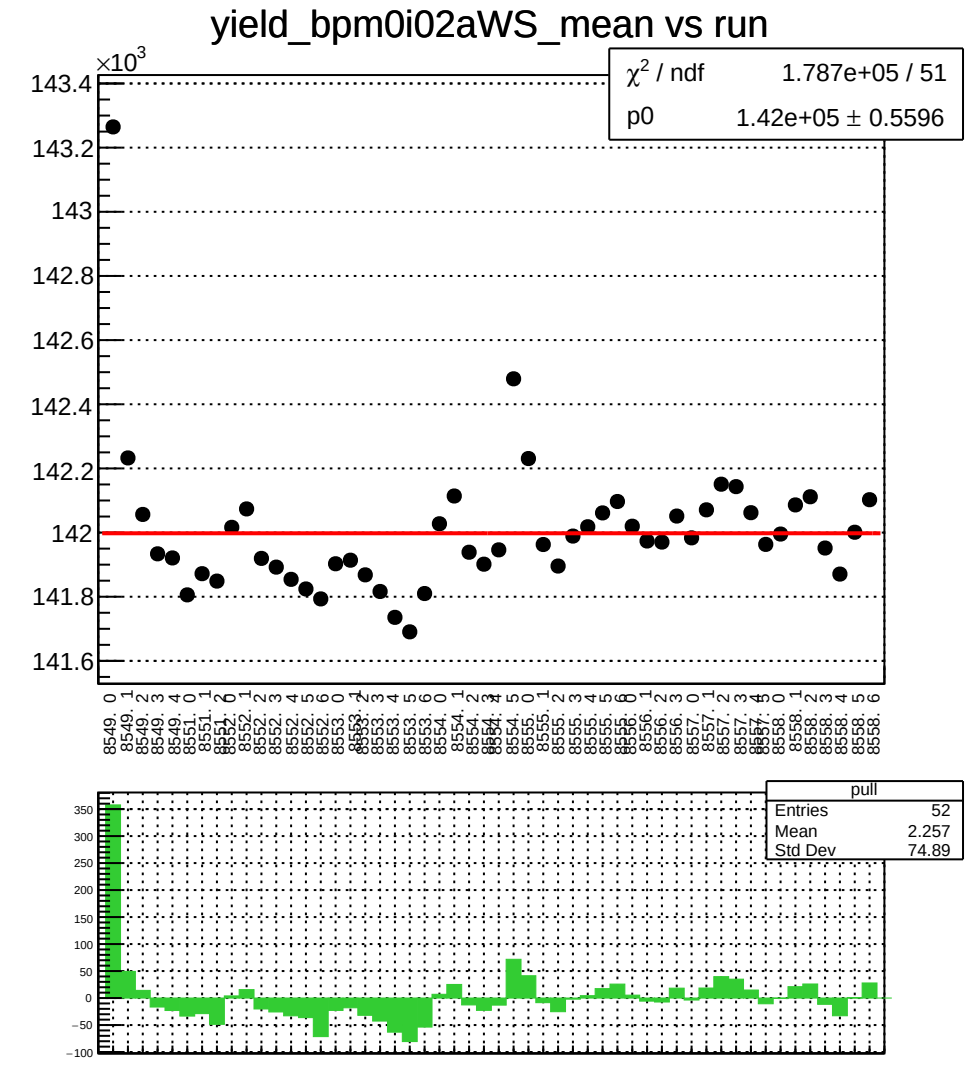

pull1D
Entries 52
Mean −0.9837
Std Dev 5.187
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

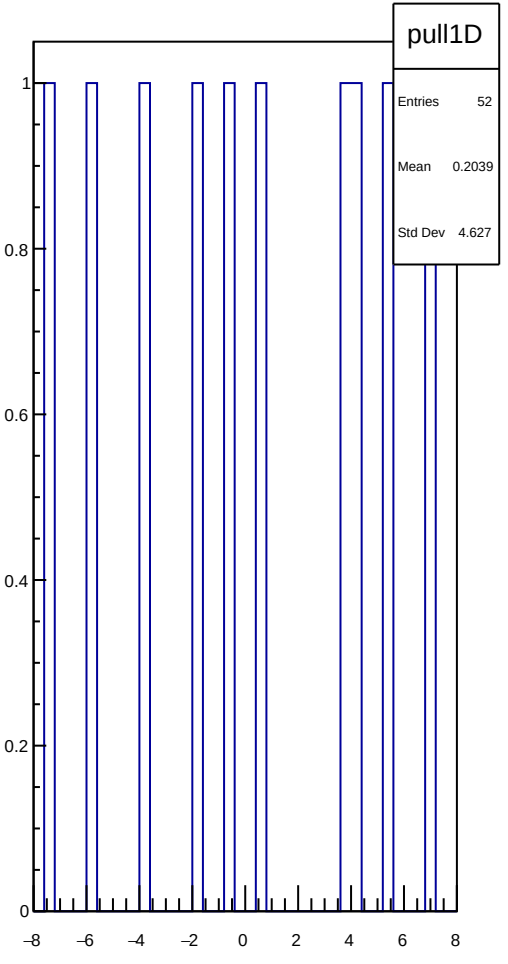

yield_bpm0r05WS_rms vs run
χ² / ndf 1471 / 51
p0 467.6 ± 0.4618
500
490
480
470
460
450
440
430
420
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

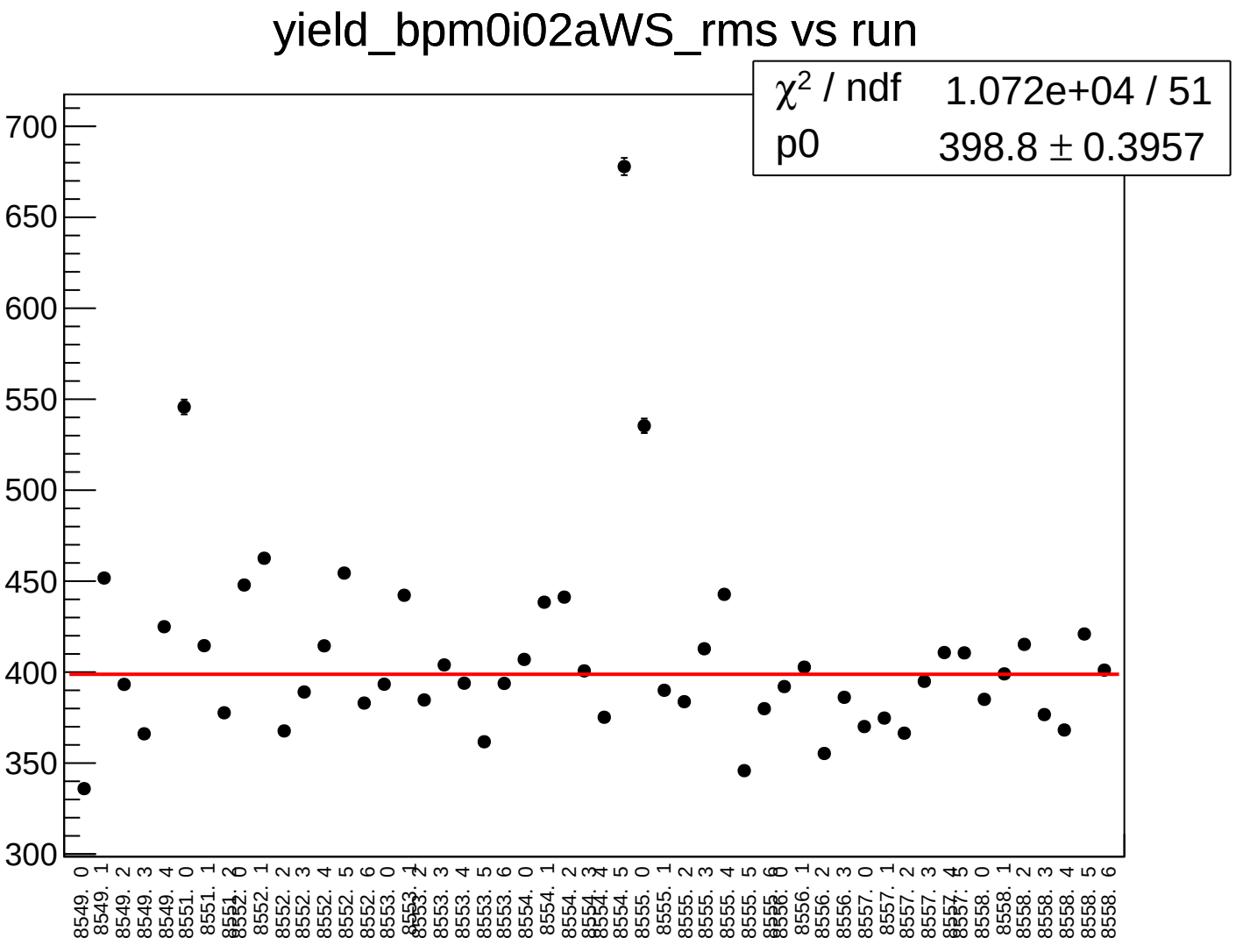

yield_bpm0i02WS_mean vs run
×10^3
χ² / ndf 4.696e+04 / 51
p0 1.384e+05 ± 0.4824
pull
Entries 52
Mean −21.31
Std Dev 49.53

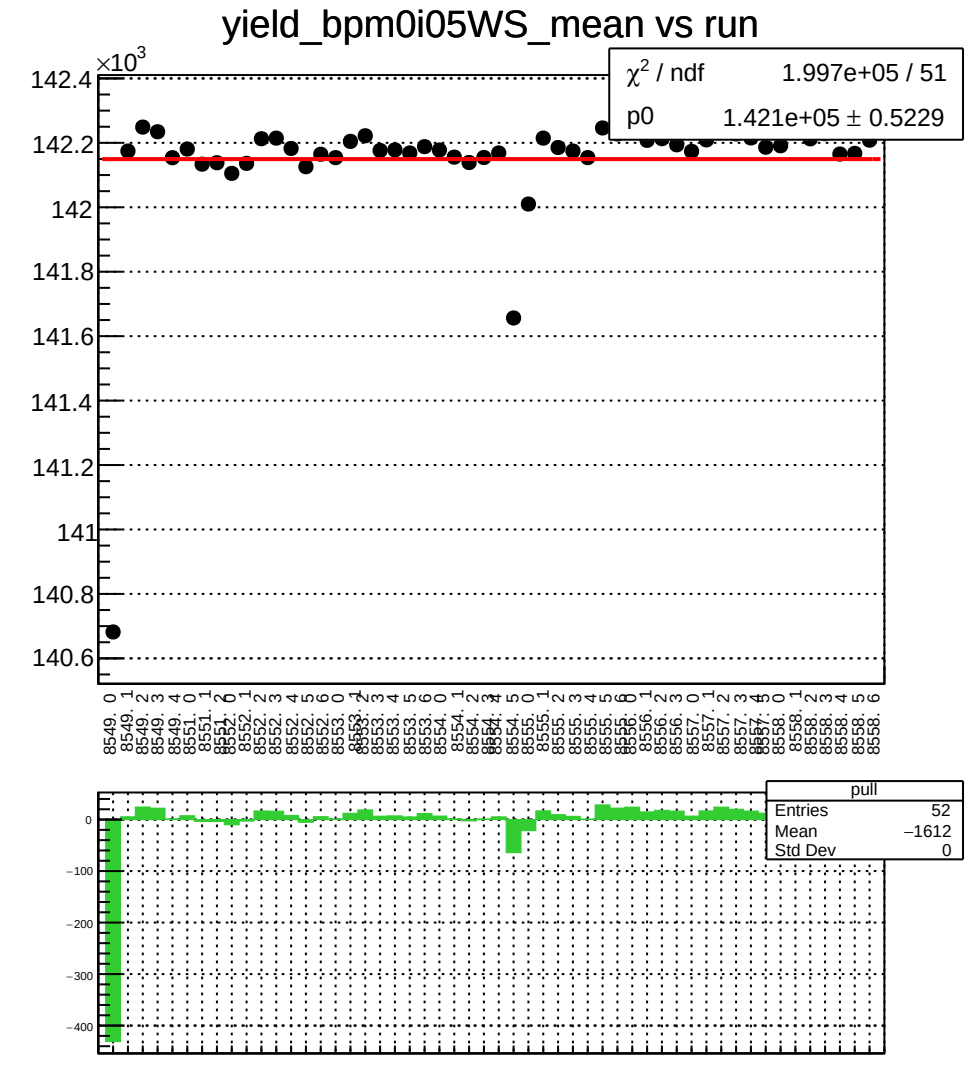

pull1D
Entries 52
Mean −1.309
Std Dev 4.945

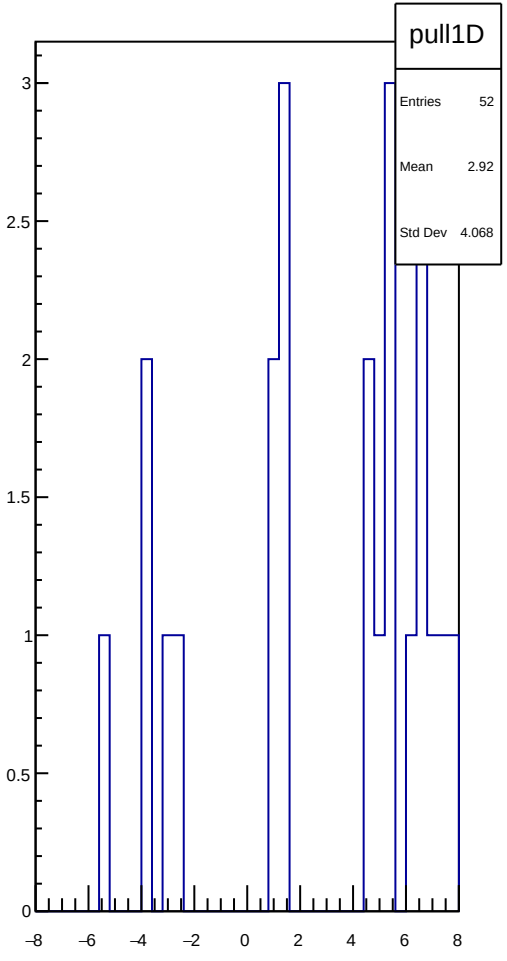

yield_bpm0i02WS_rms vs run
χ² / ndf 2924 / 51
p0 345.1 ± 0.3411
420
400
380
360
340
320
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 5
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

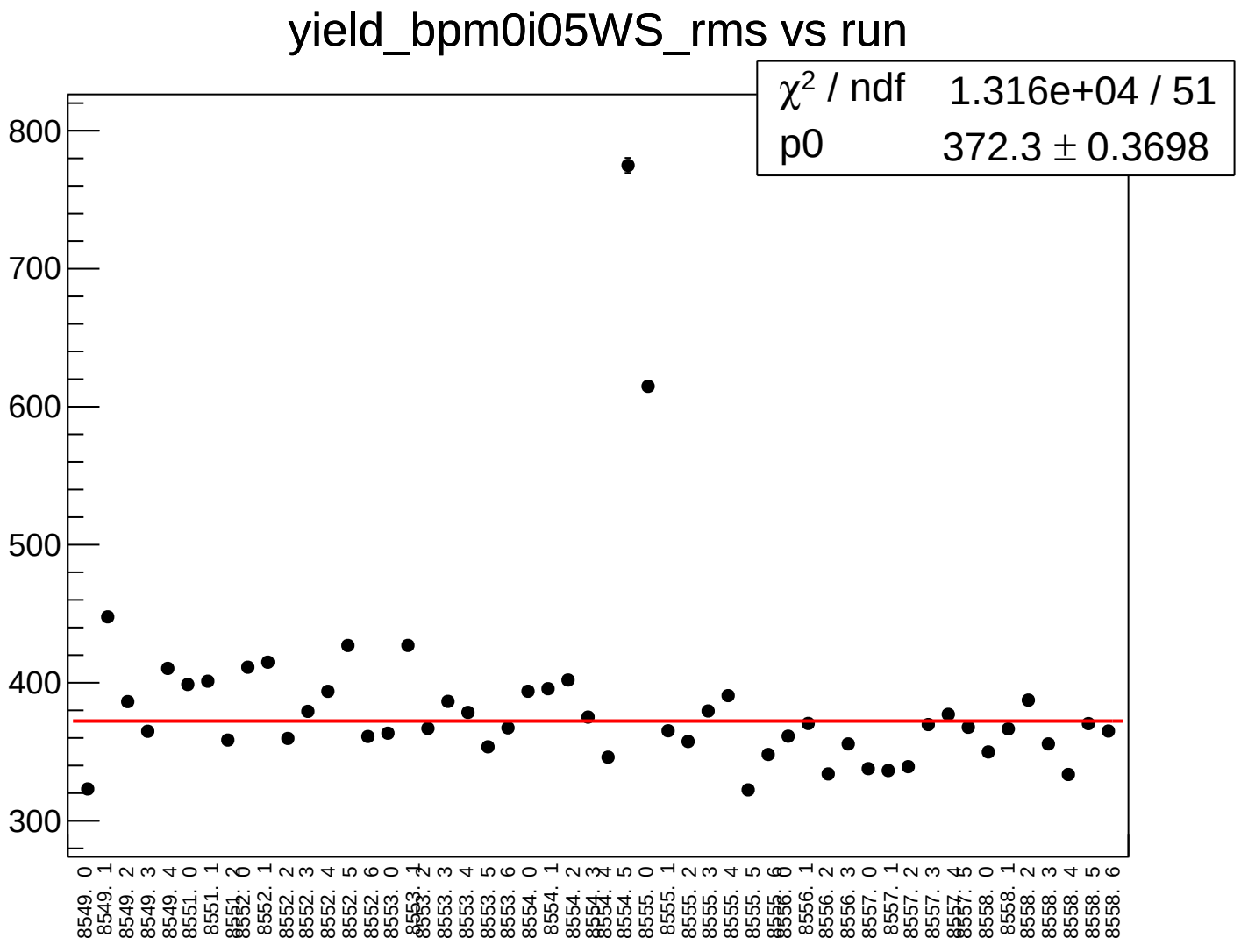

yield_bpm0i02aWS_mean vs run
×10^3
χ² / ndf 1.787e+05 / 51
p0 1.42e+05 ± 0.5596
143.4
143.2
143
142.8
142.6
142.4
142.2
142
141.8
141.6
pull
Entries 52
Mean 2.257
Std Dev 74.89
350
300
250
200
150
100
50
0
−50
−100

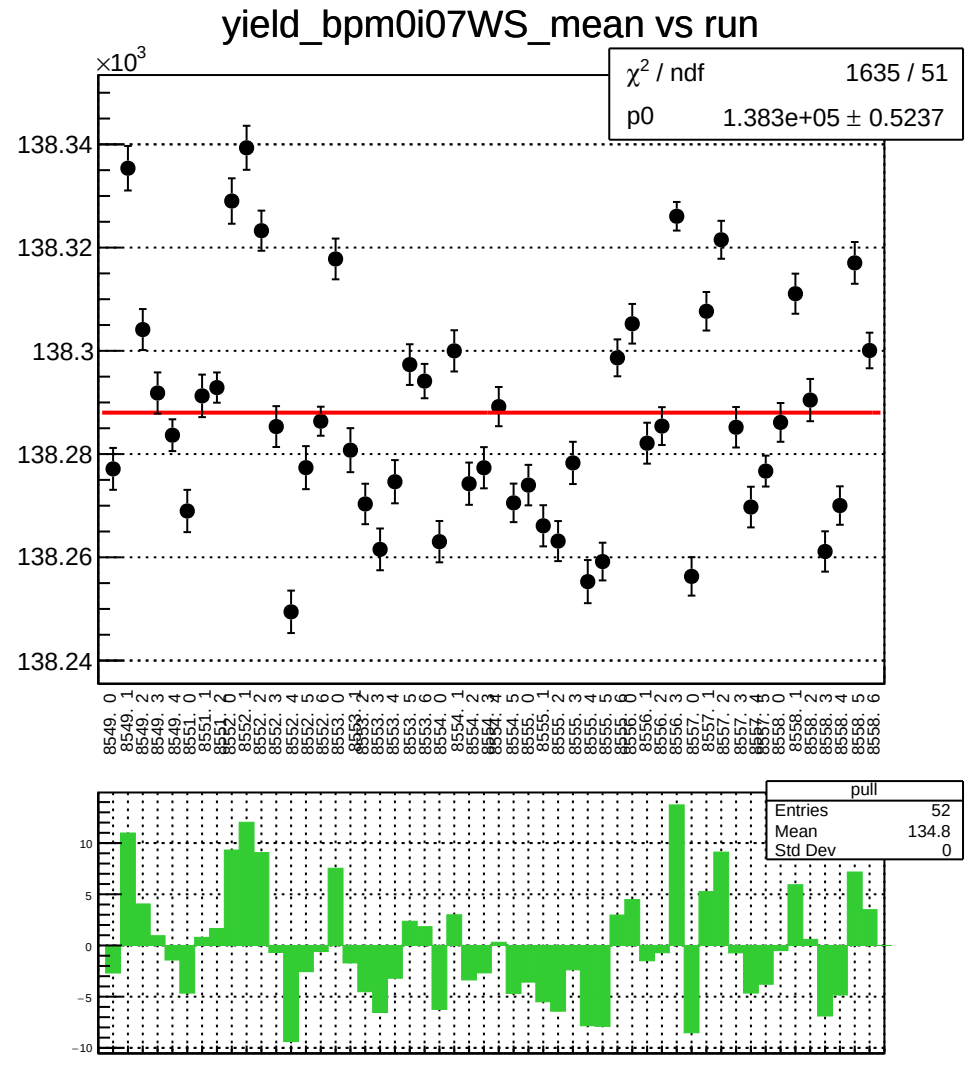

pull1D
Entries 52
Mean 0.2039
Std Dev 4.627
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

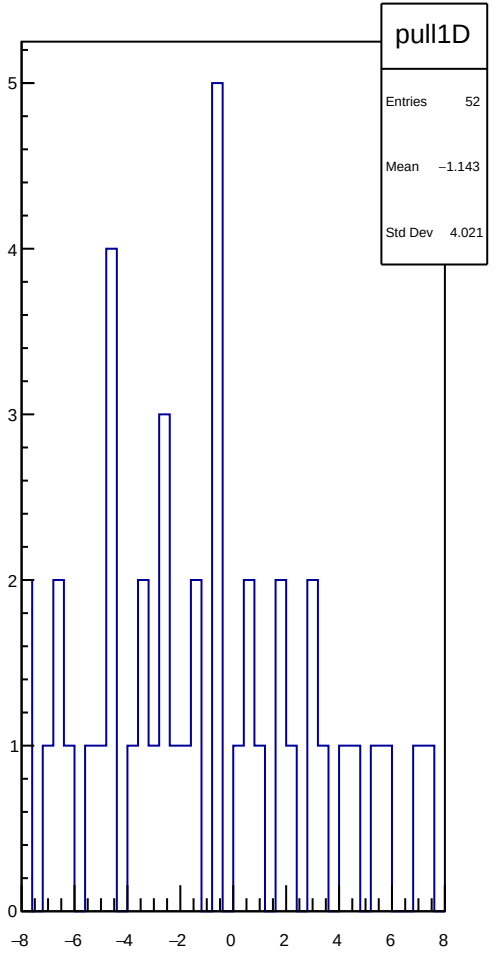

yield_bpm0i02aWS_rms vs run
χ² / ndf 1.072e+04 / 51
p0 398.8 ± 0.3957
700
650
600
550
500
450
400
350
300
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 5
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

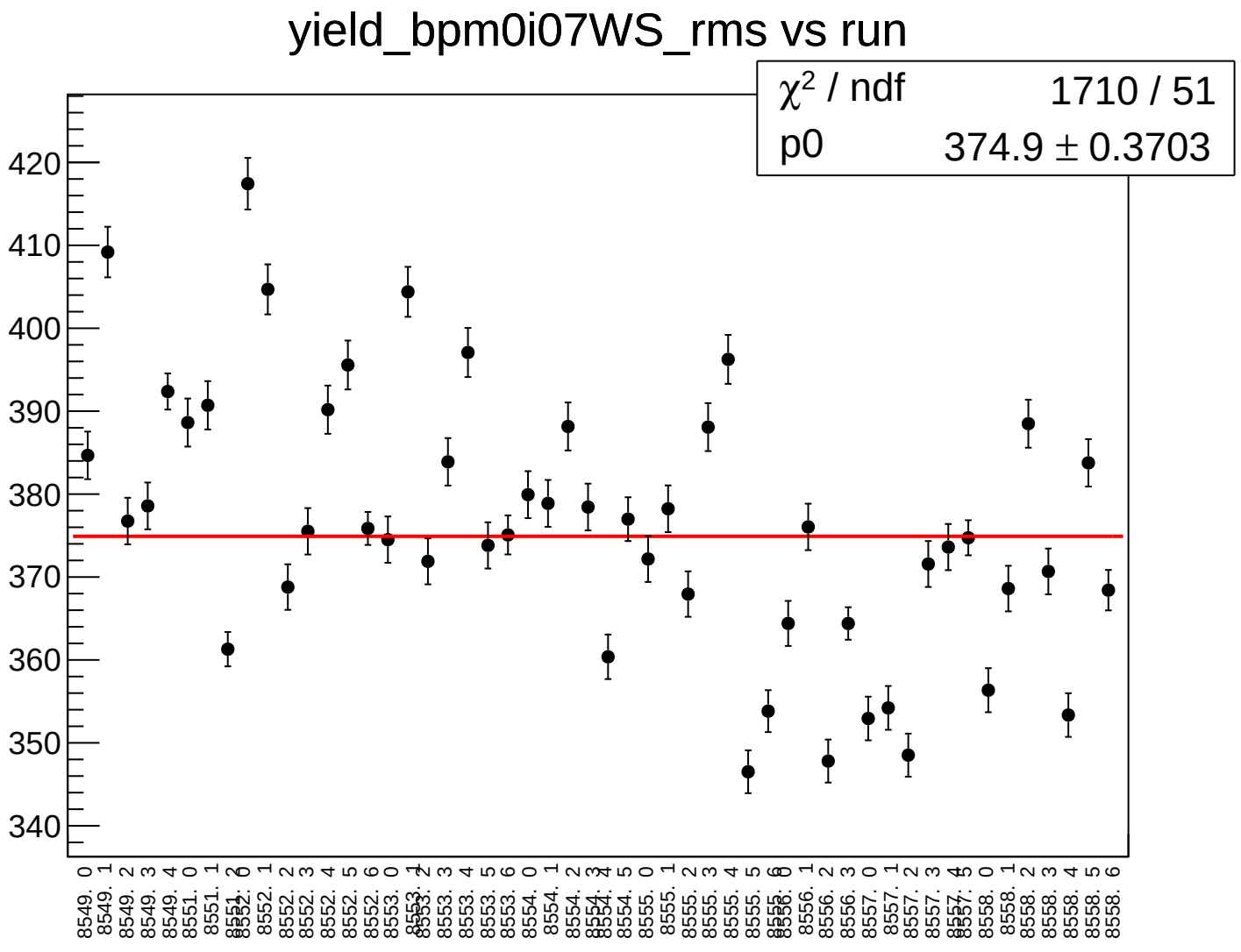

yield_bpm0i05WS_mean vs run
×10^3
142.4
142.2
142
141.8
141.6
141.4
141.2
141
140.8
140.6
χ² / ndf 1.997e+05 / 51
p0 1.421e+05 ± 0.5229
pull
Entries 52
Mean −1612
Std Dev 0
0
−100
−200
−300
−400

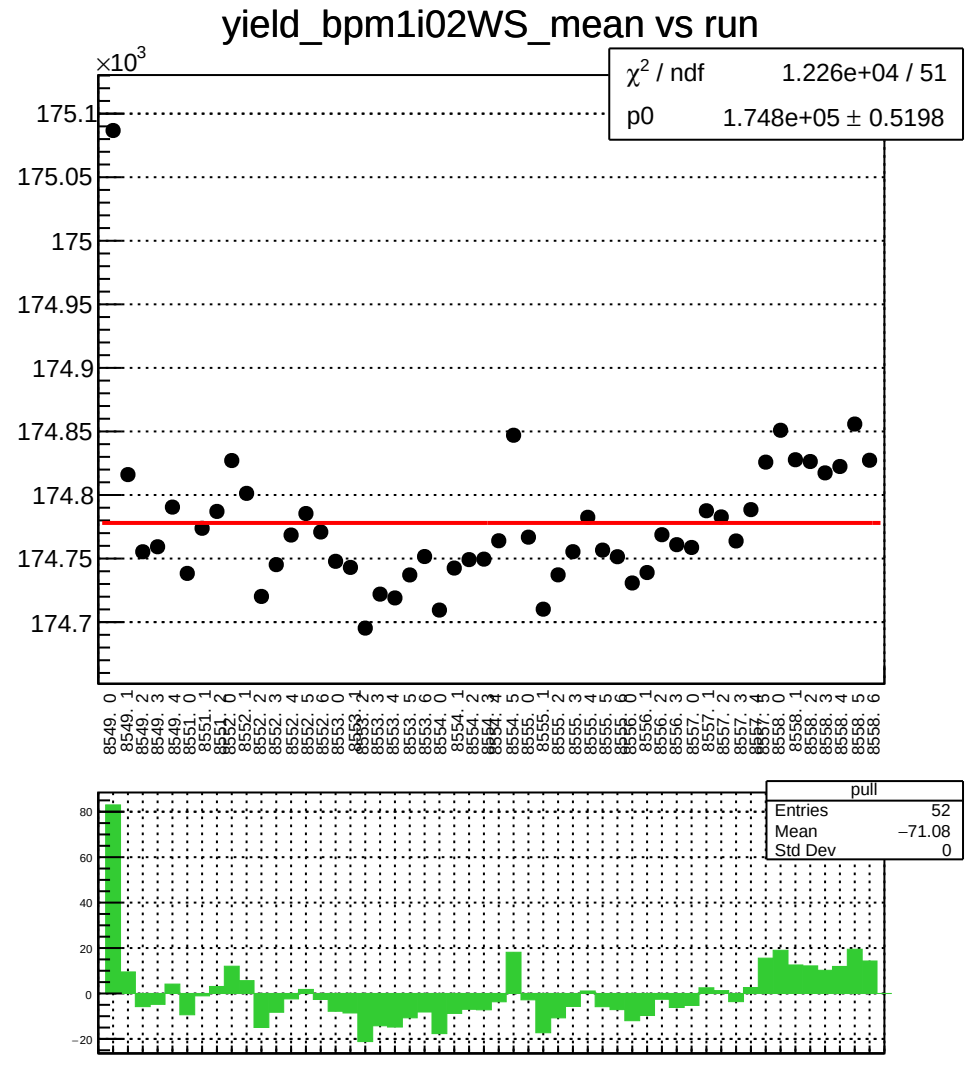

pull1D
Entries 52
Mean 2.92
Std Dev 4.068
3
2.5
2
1.5
1
0.5
0
−8
−6
−4
−2
0
2
4
6
8

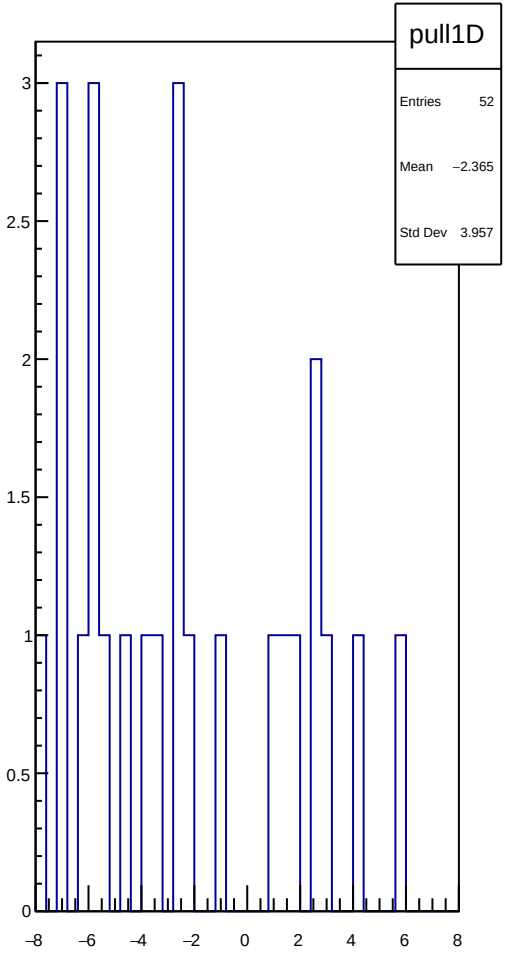

yield_bpm0i05WS_rms vs run
χ² / ndf 1.316e+04 / 51
p0 372.3 ± 0.3698
800
700
600
500
400
300
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 5
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

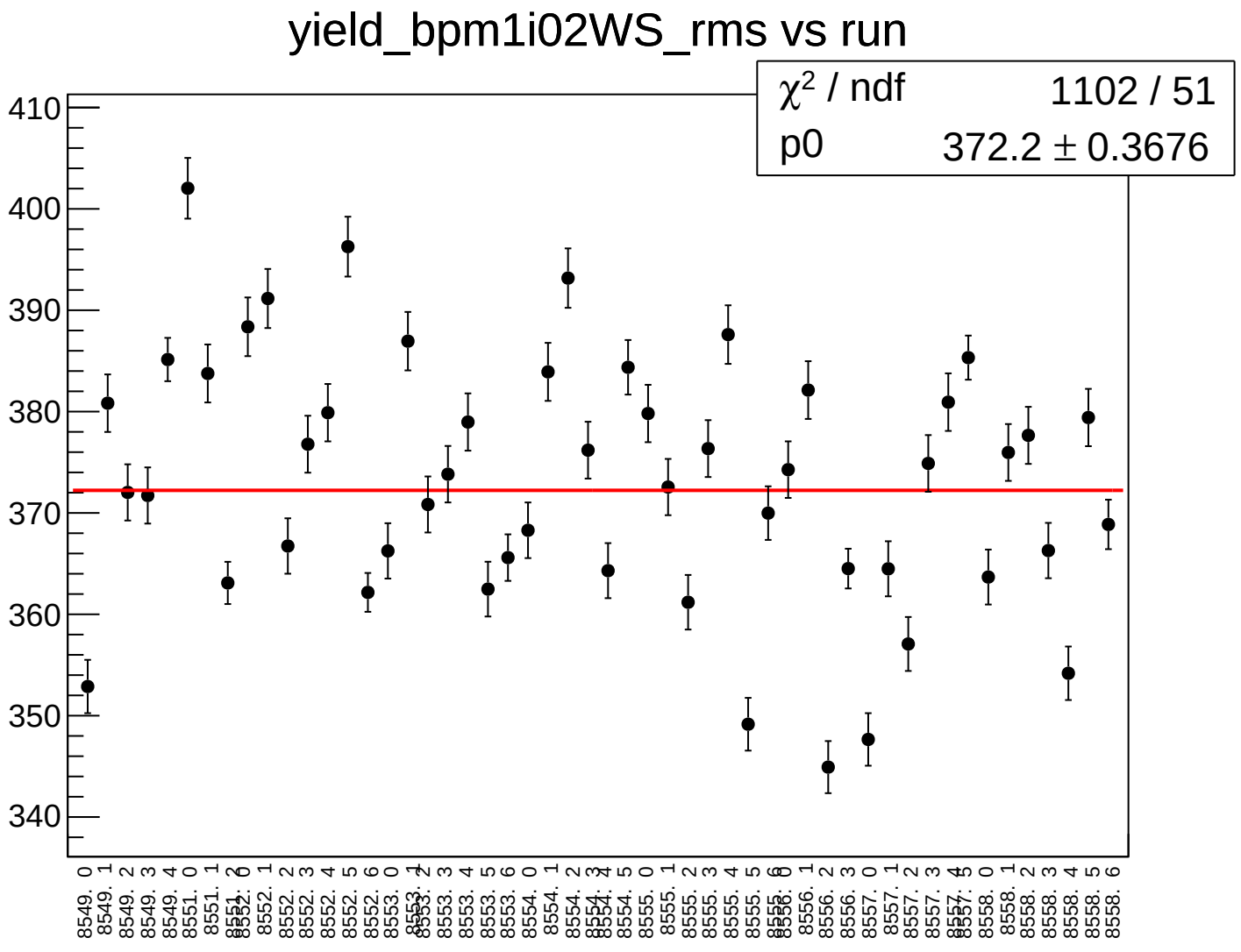

yield_bpm0i07WS_mean vs run
×10^3
χ² / ndf 1635 / 51
p0 1.383e+05 ± 0.5237
138.34
138.32
138.3
138.28
138.26
138.24
pull
Entries 52
Mean 134.8
Std Dev 0
10
5
0
−5
−10

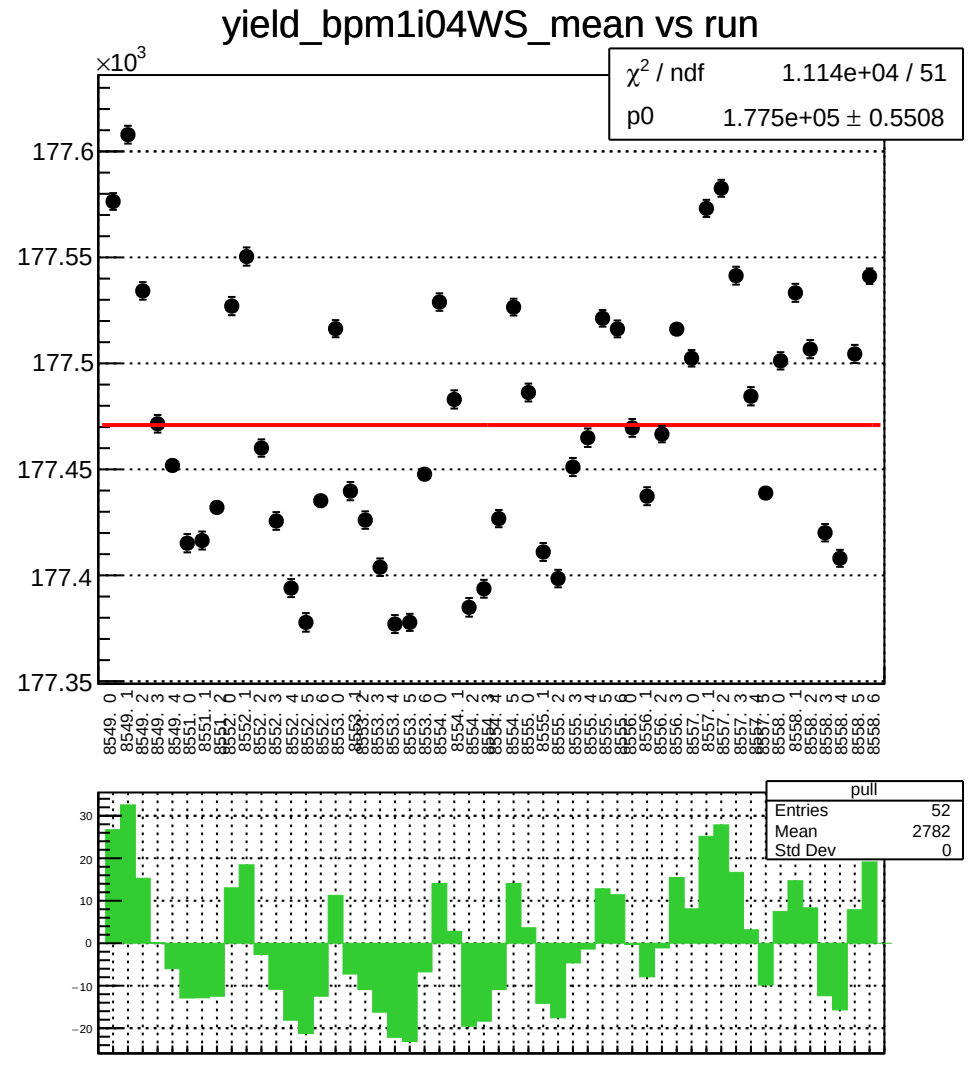

pull1D
Entries 52
Mean −1.143
Std Dev 4.021
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

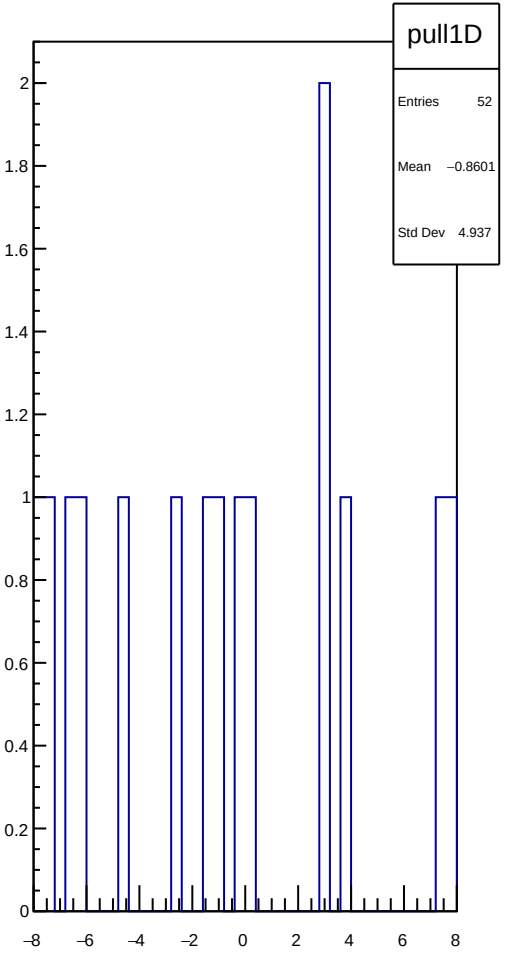

yield_bpm0i07WS_rms vs run
χ² / ndf 1710 / 51
p0 374.9 ± 0.3703
420
410
400
390
380
370
360
350
340
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 5
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

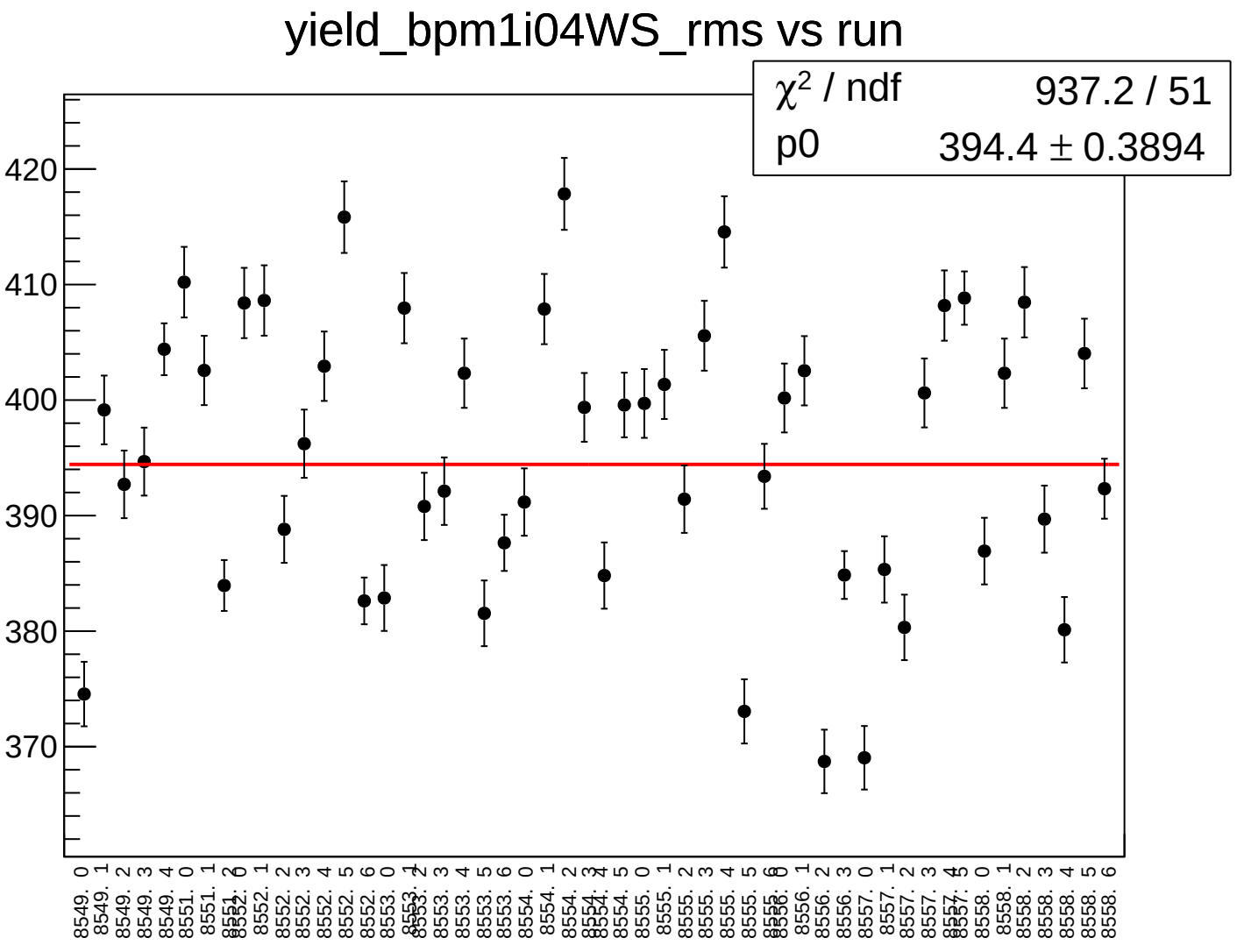

yield_bpm1i02WS_mean vs run
×10^3
χ² / ndf 1.226e+04 / 51
p0 1.748e+05 ± 0.5198
175.1
175.05
175
174.95
174.9
174.85
174.8
174.75
174.7
pull
Entries 52
Mean −71.08
Std Dev 0
80
60
40
20
0
−20

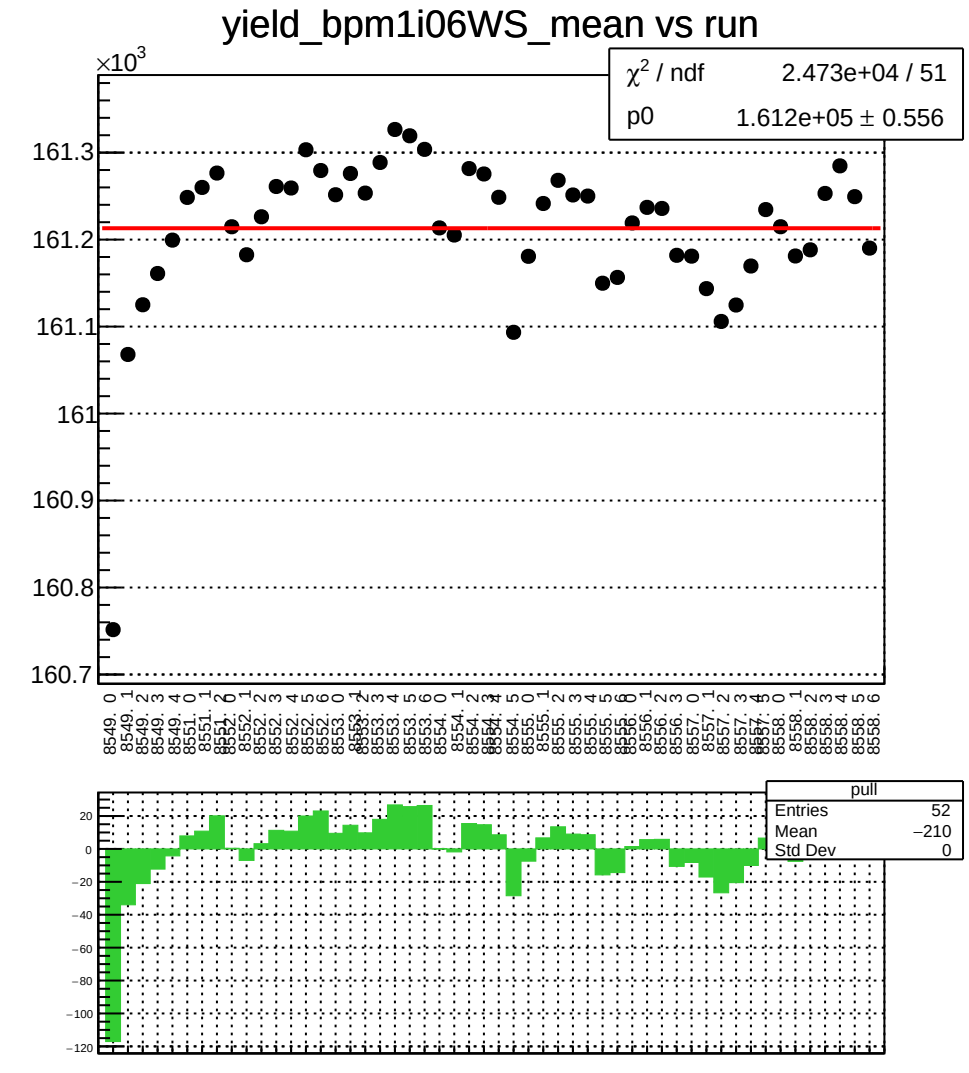

pull1D
Entries 52
Mean −2.365
Std Dev 3.957
3
2.5
2
1.5
1
0.5
0
−8
−6
−4
−2
0
2
4
6
8

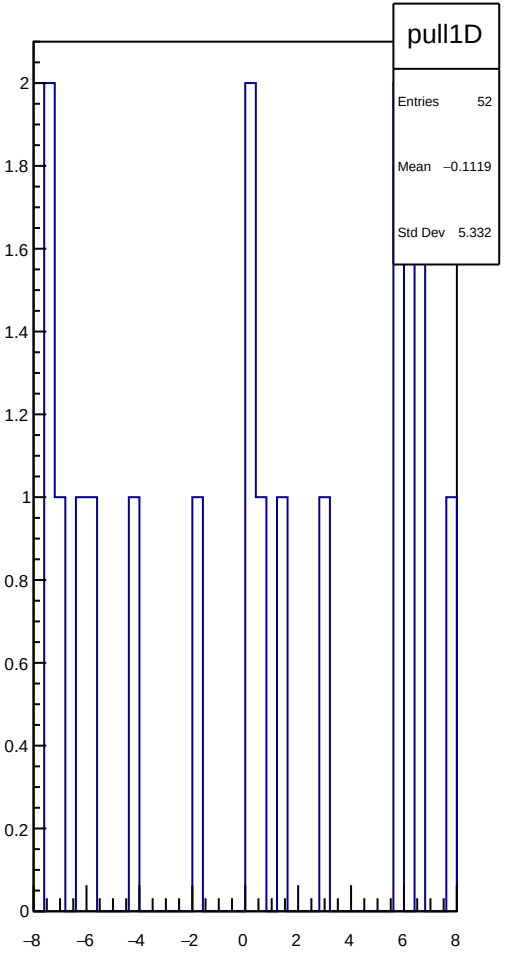

yield_bpm1i02WS_rms vs run
χ² / ndf 1102 / 51
p0 372.2 ± 0.3676
410
400
390
380
370
360
350
340
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 5
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

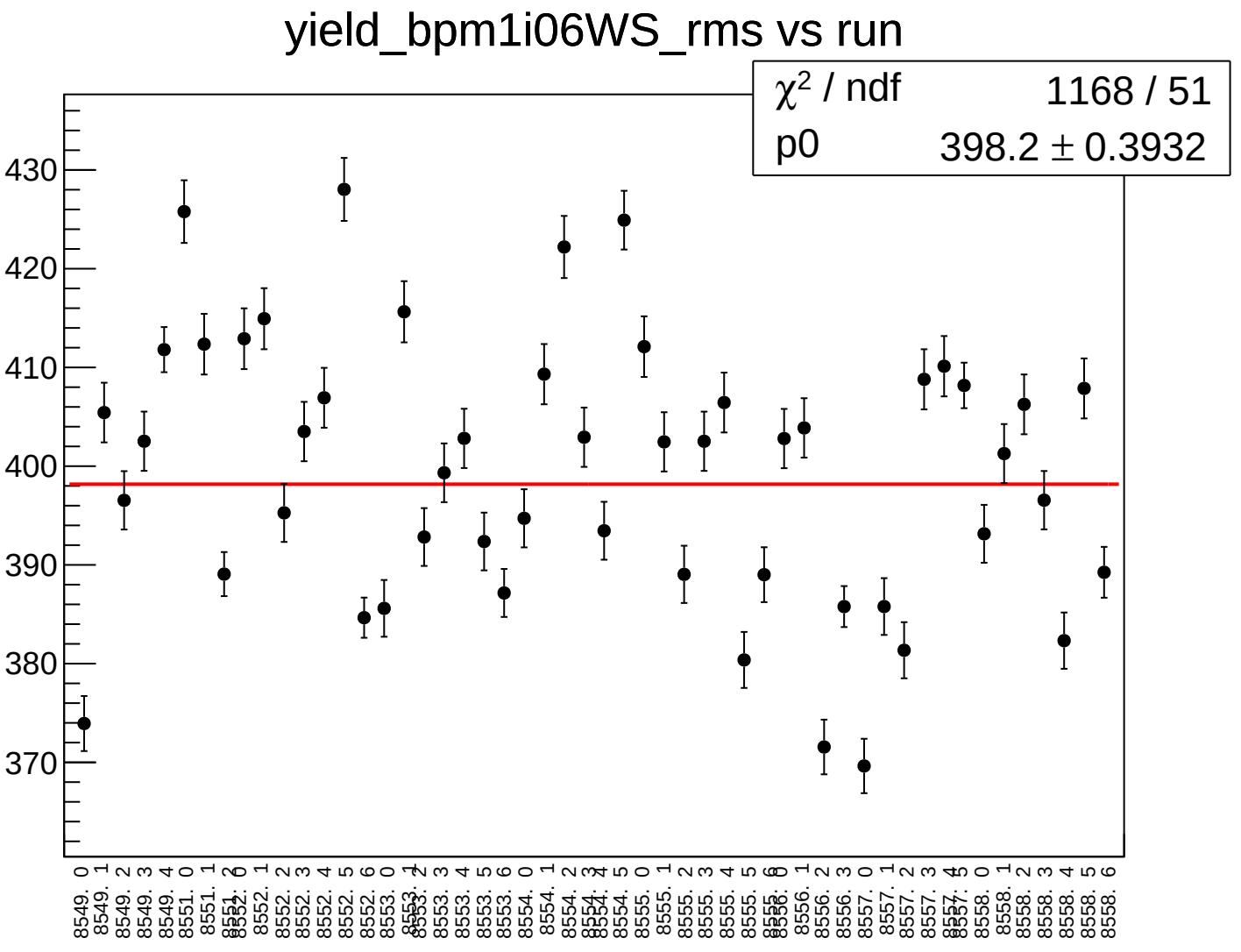

yield_bpm1i04WS_mean vs run
×10^3
χ² / ndf 1.114e+04 / 51
p0 1.775e+05 ± 0.5508
177.6
177.55
177.5
177.45
177.4
177.35
pull
Entries 52
Mean 2782
Std Dev 0
30
20
10
0
−10
−20

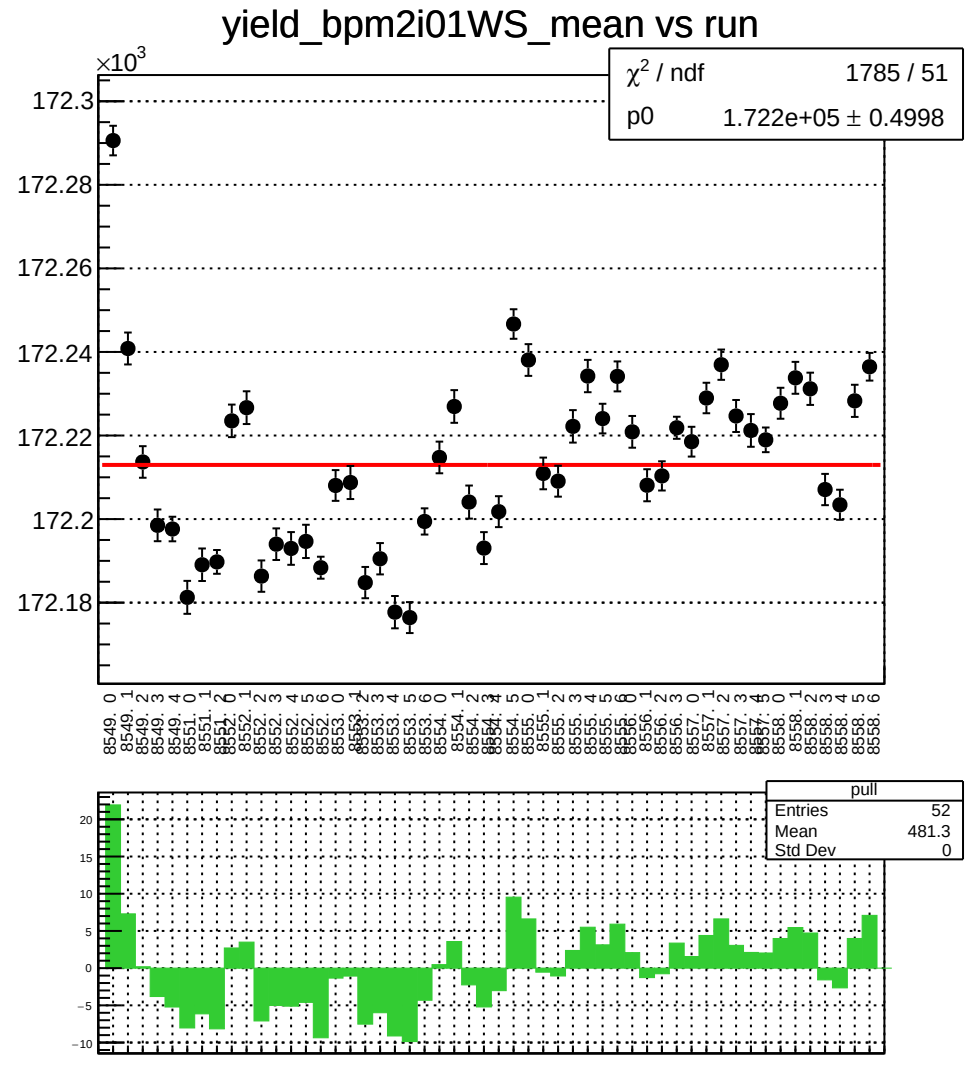

pull1D
Entries 52
Mean −0.8601
Std Dev 4.937
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

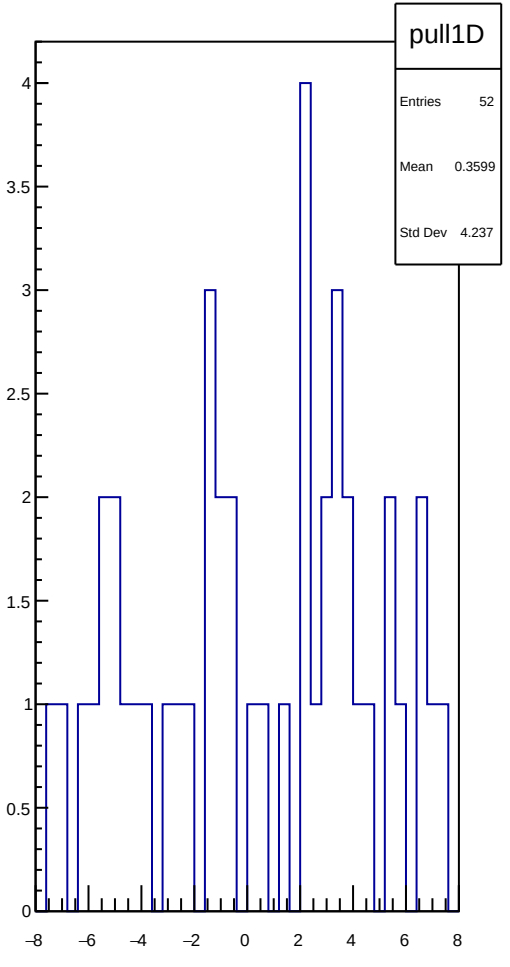

yield_bpm1i04WS_rms vs run
χ² / ndf 937.2 / 51
p0 394.4 ± 0.3894
420
410
400
390
380
370
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 5
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

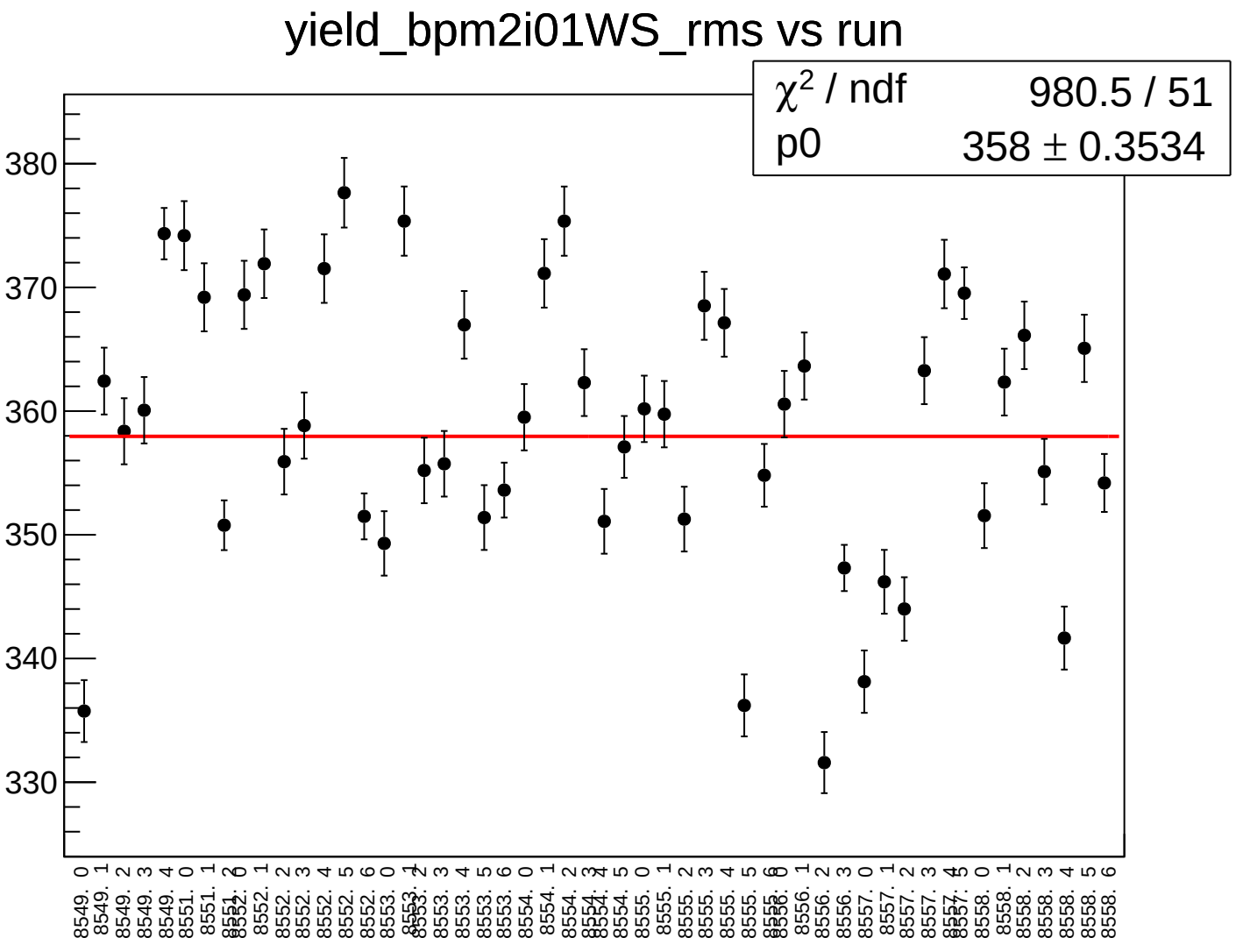

yield_bpm1i06WS_mean vs run
×10^3
χ² / ndf 2.473e+04 / 51
p0 1.612e+05 ± 0.556
161.3
161.2
161.1
161
160.9
160.8
160.7
pull
Entries 52
Mean −210
Std Dev 0
20
0
−20
−40
−60
−80
−100
−120

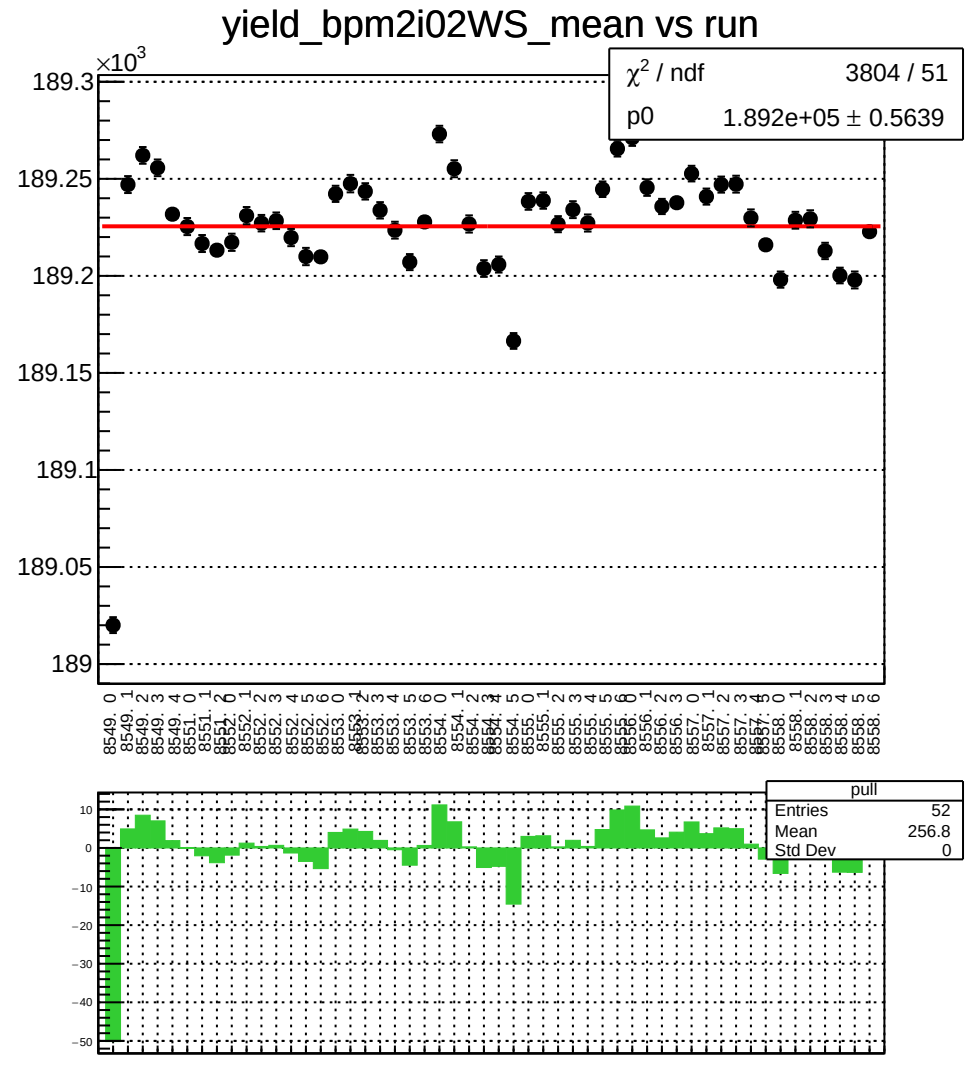

pull1D
Entries 52
Mean −0.1119
Std Dev 5.332
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

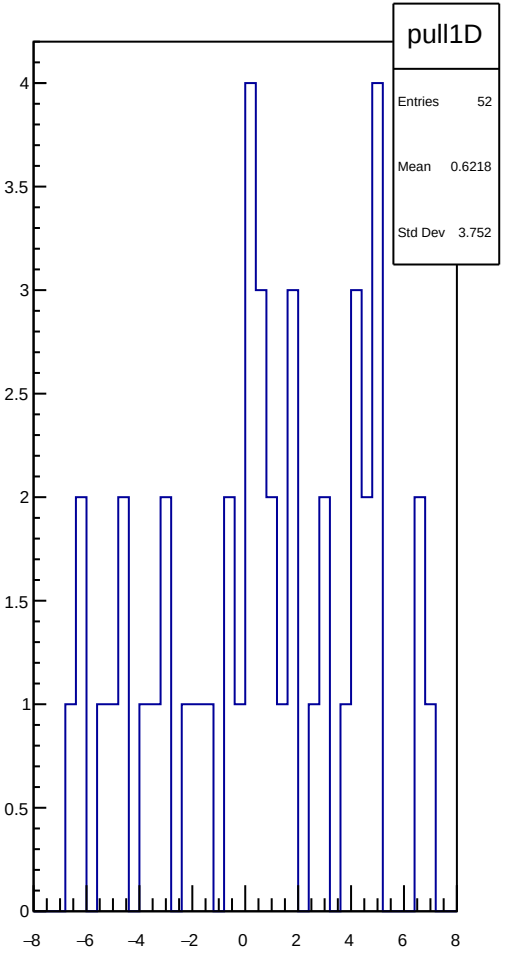

yield_bpm1i06WS_rms vs run
χ² / ndf 1168 / 51
p0 398.2 ± 0.3932
430
420
410
400
390
380
370
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 5
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

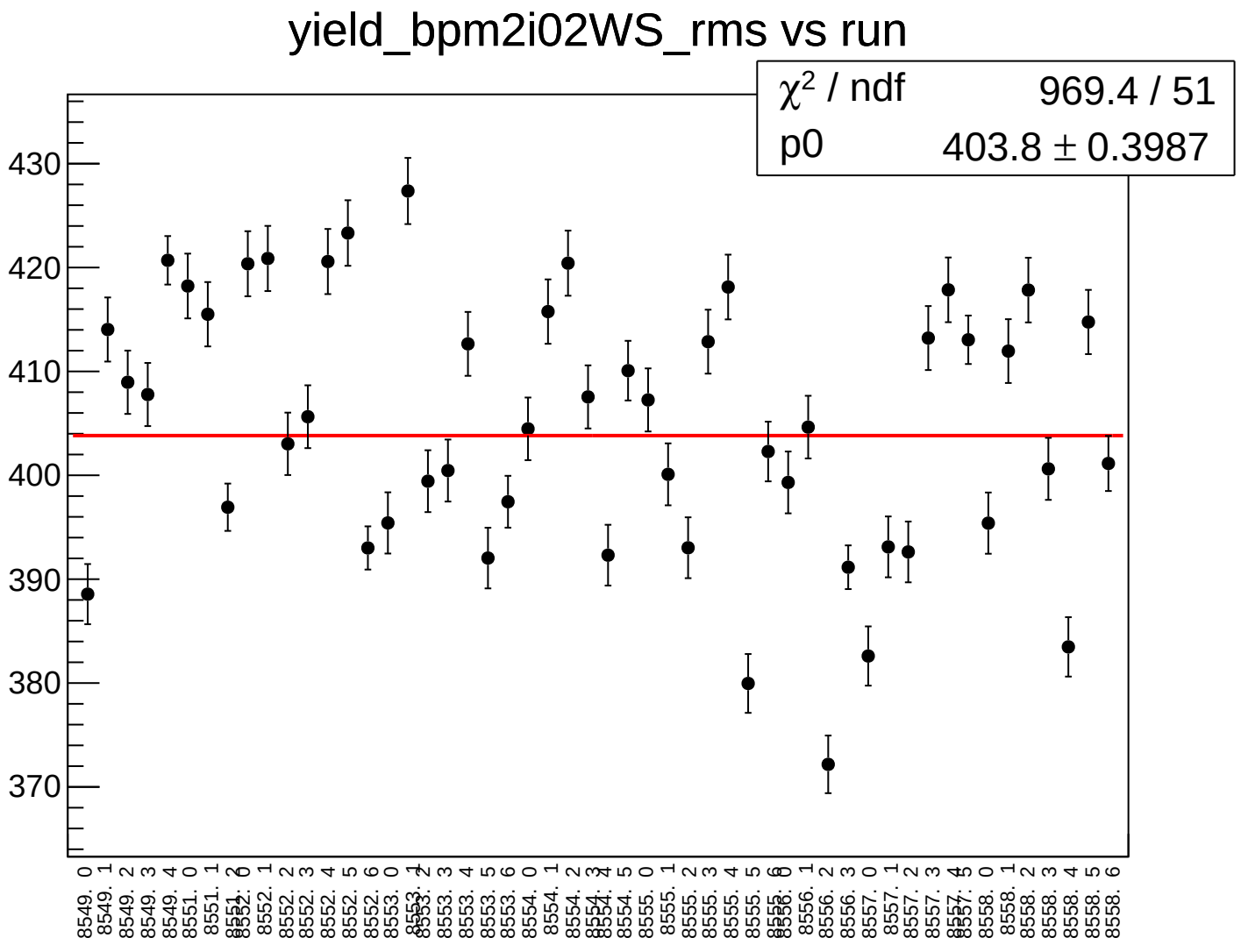

yield_bpm2i01WS_mean vs run
×10^3
χ² / ndf 1785 / 51
p0 1.722e+05 ± 0.4998
172.3
172.28
172.26
172.24
172.22
172.2
172.18
pull
Entries 52
Mean 481.3
Std Dev 0

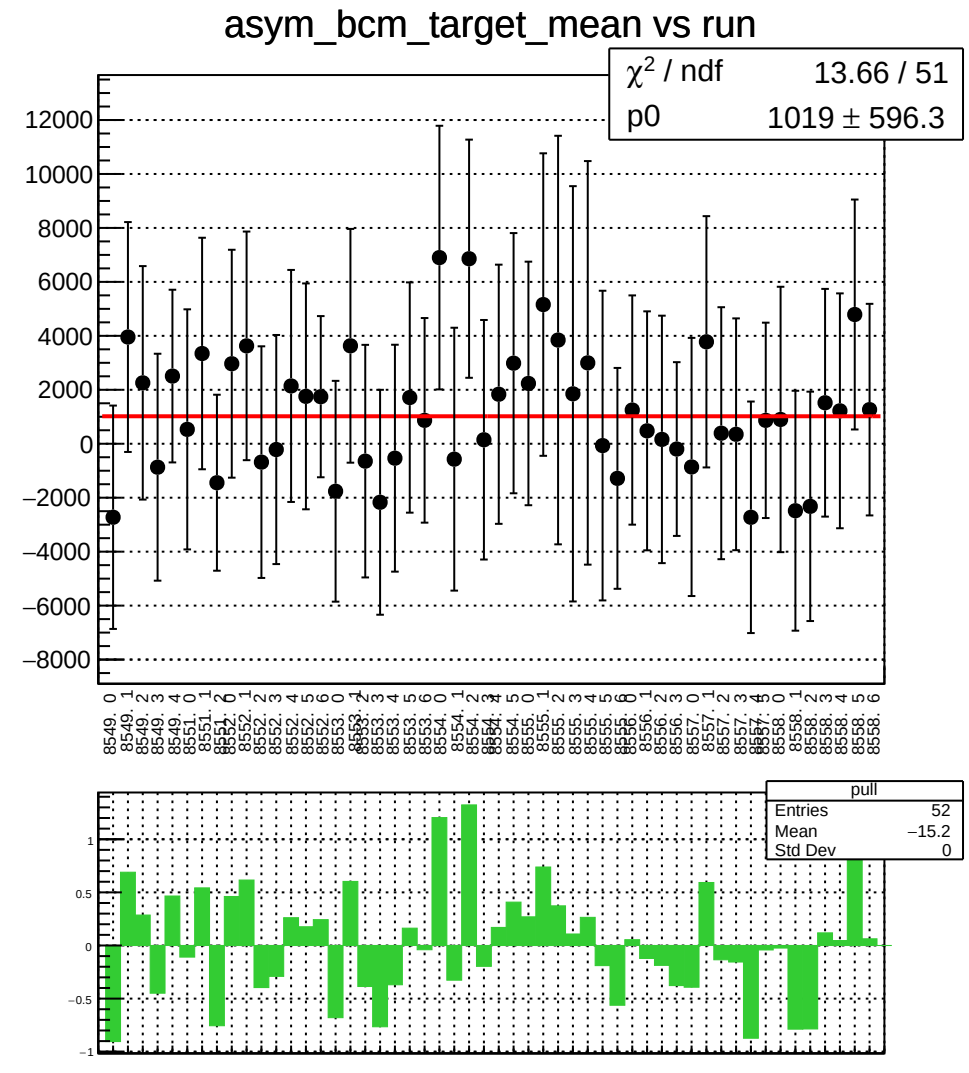

pull1D
Entries 52
Mean 0.3599
Std Dev 4.237

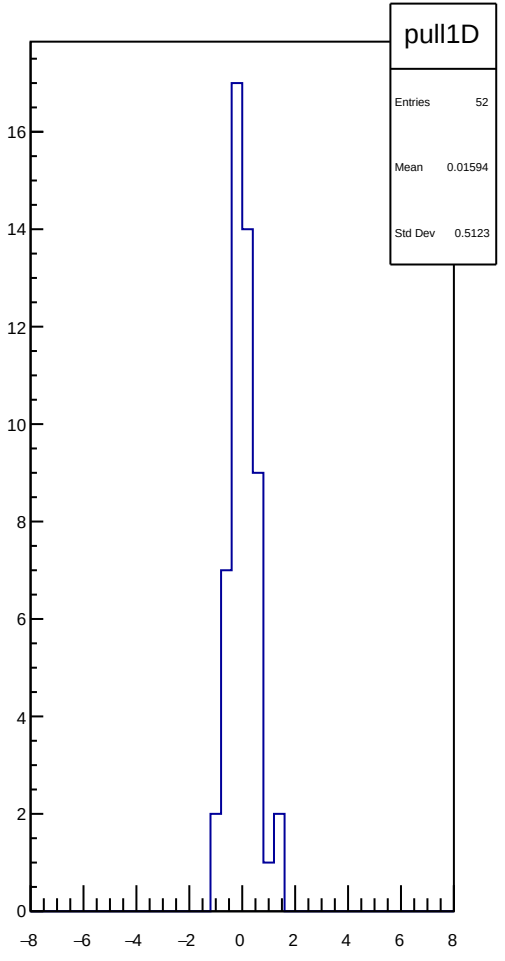

yield_bpm2i01WS_rms vs run
χ² / ndf 980.5 / 51
p0 358 ± 0.3534
380
370
360
350
340
330
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 5
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

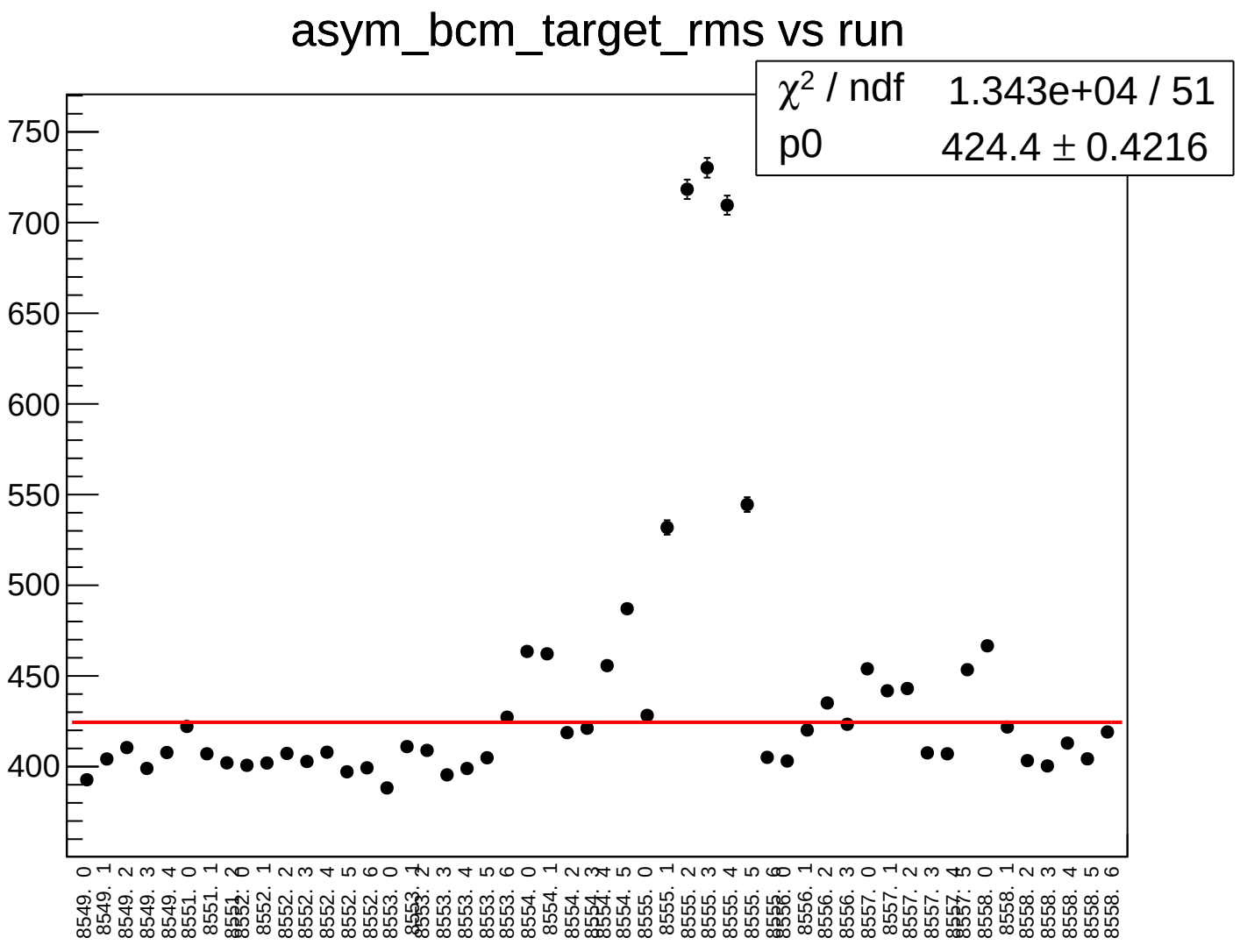

yield_bpm2i02WS_mean vs run
×10^3
189.3
189.25
189.2
189.15
189.1
189.05
189
χ² / ndf 3804 / 51
p0 1.892e+05 ± 0.5639
pull
Entries 52
Mean 256.8
Std Dev 0
10
0
−10
−20
−30
−40
−50

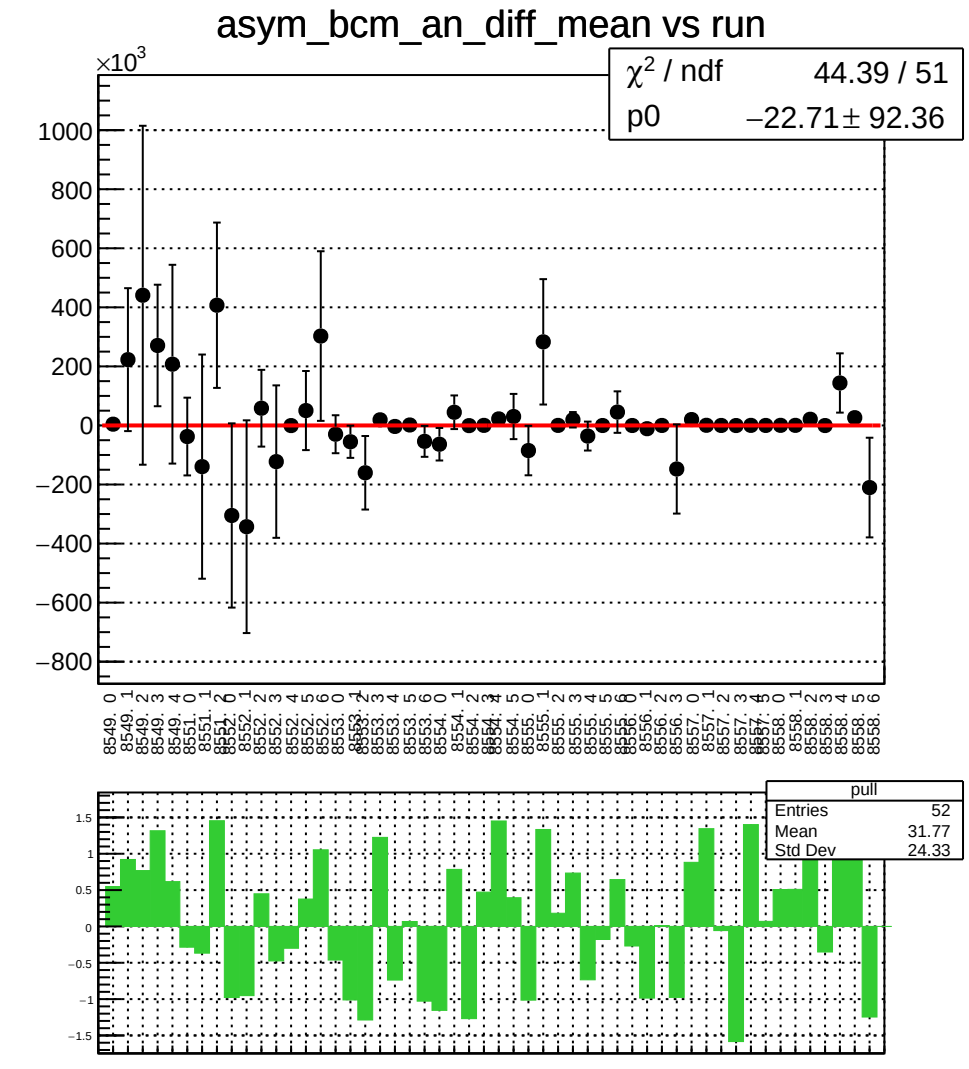

pull1D
Entries 52
Mean 0.6218
Std Dev 3.752
4
3.5
3
2.5
2
1.5
1
0.5
0
−8
−6
−4
−2
0
2
4
6
8

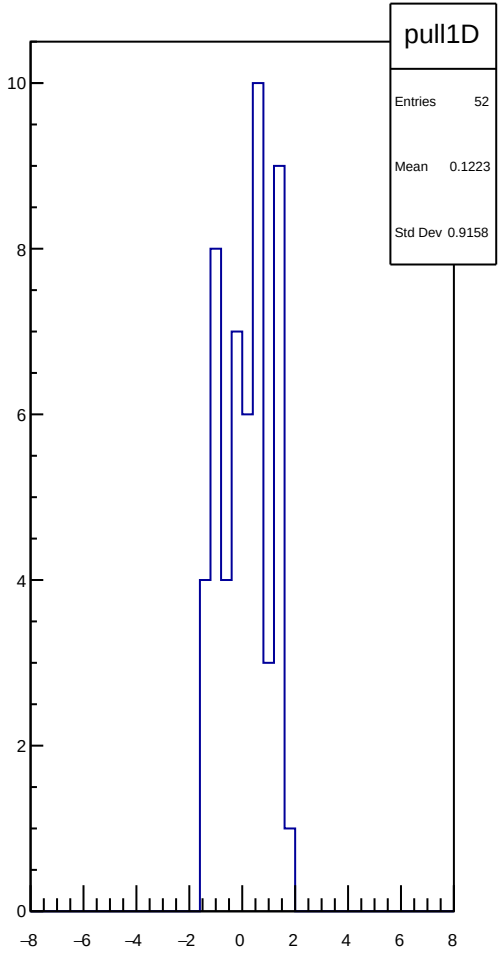

yield_bpm2i02WS_rms vs run
χ^2 / ndf 969.4 / 51
p0 403.8 ± 0.3987
430
420
410
400
390
380
370
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 5
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

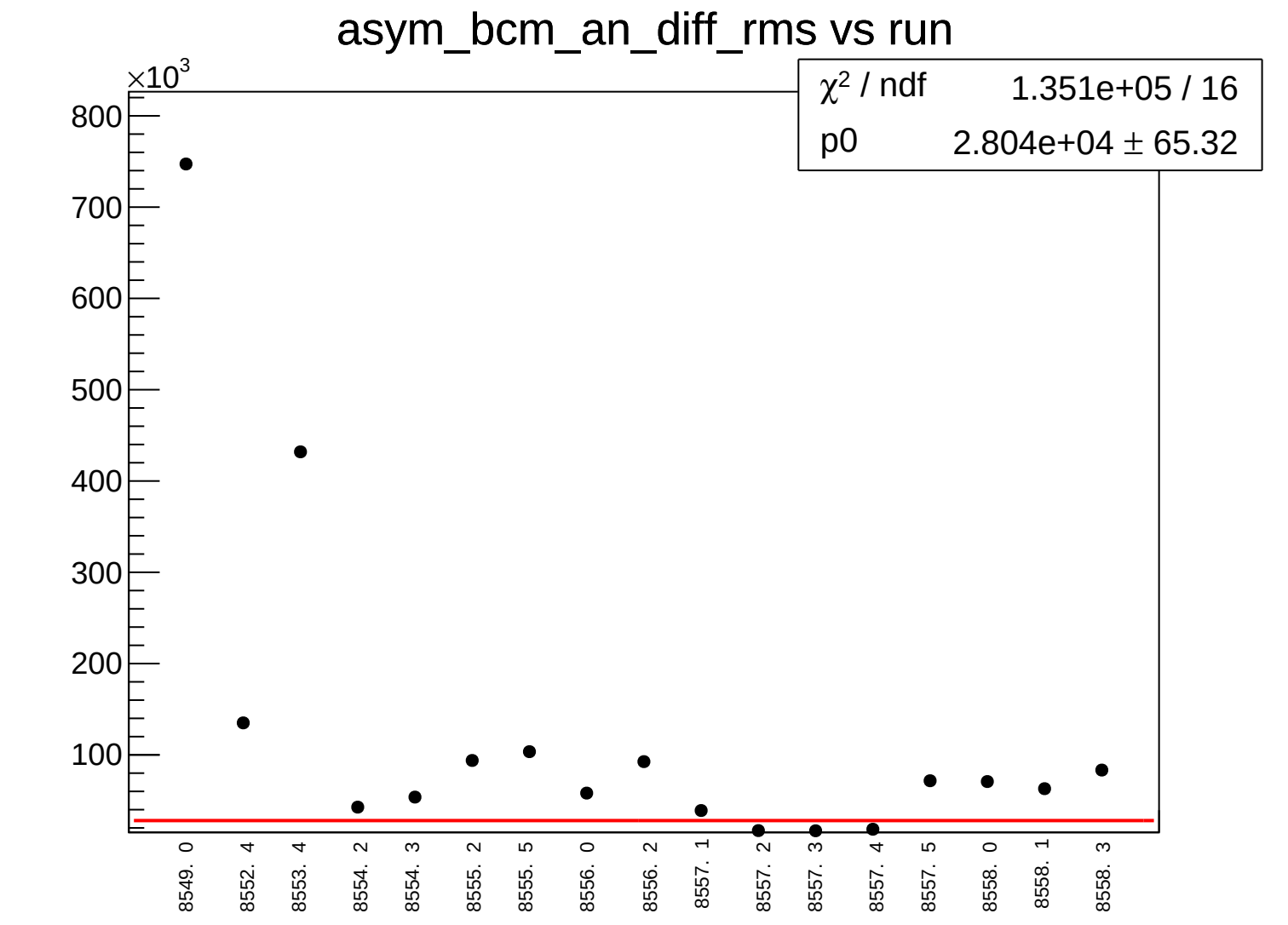

asym_bcm_target_mean vs run
χ² / ndf 13.66 / 51
p0 1019 ± 596.3
pull
Entries 52
Mean −15.2
Std Dev 0

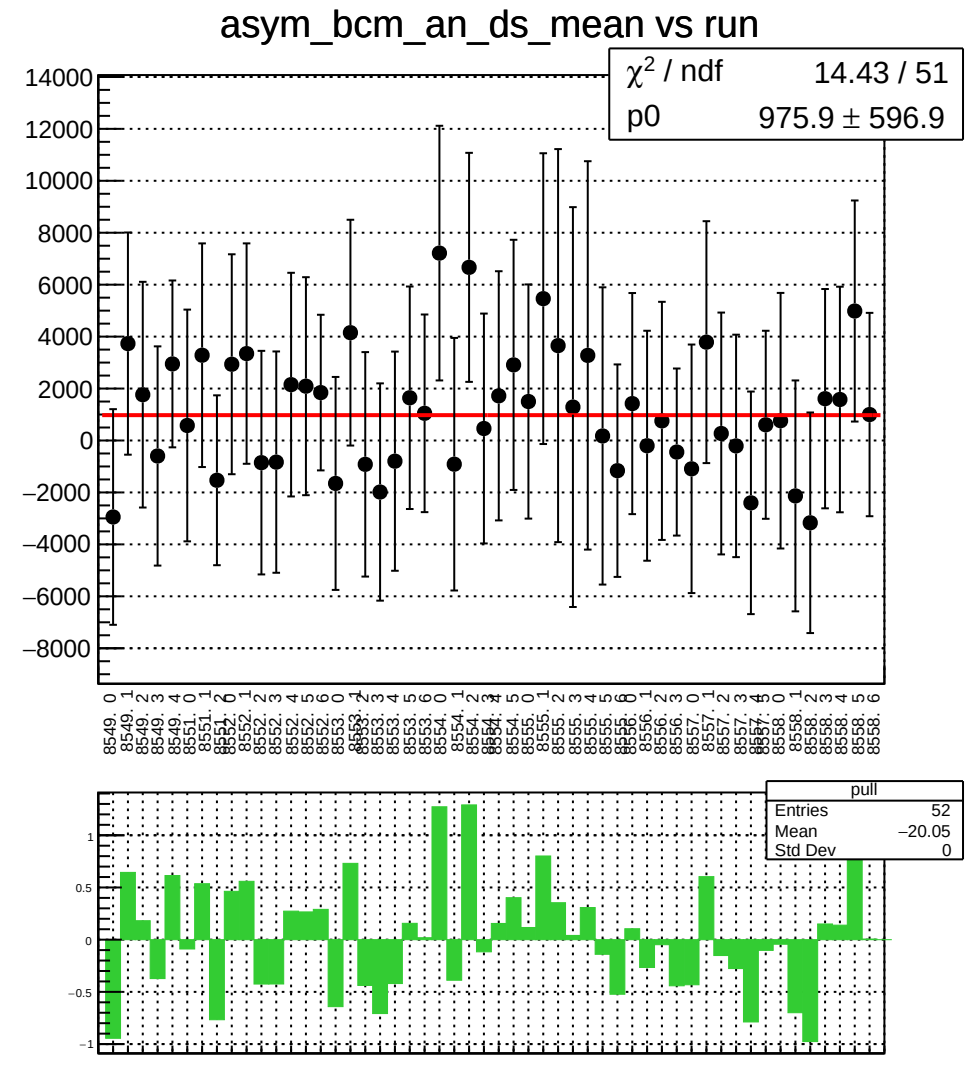

pull1D
Entries 52
Mean 0.01594
Std Dev 0.5123

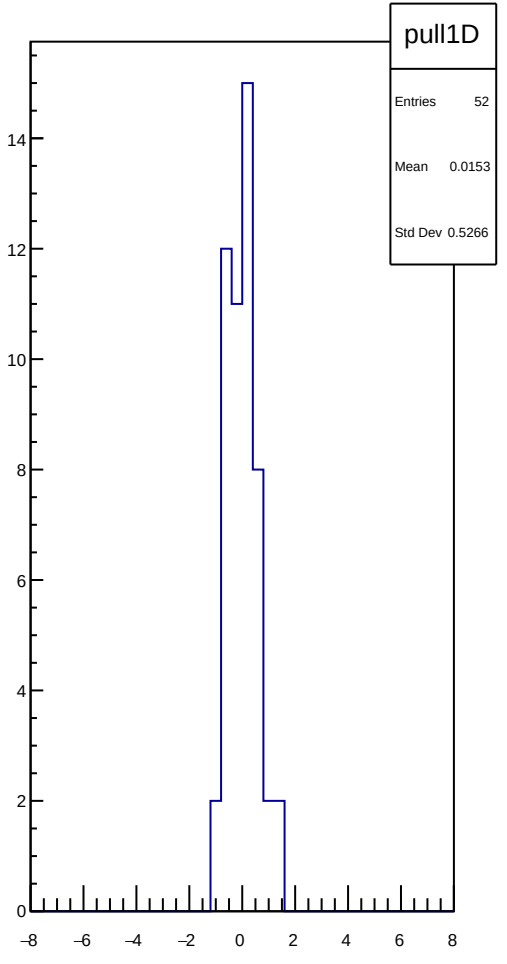

asym_bcm_target_rms vs run
χ² / ndf 1.343e+04 / 51
p0 424.4 ± 0.4216
750
700
650
600
550
500
450
400
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 5
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

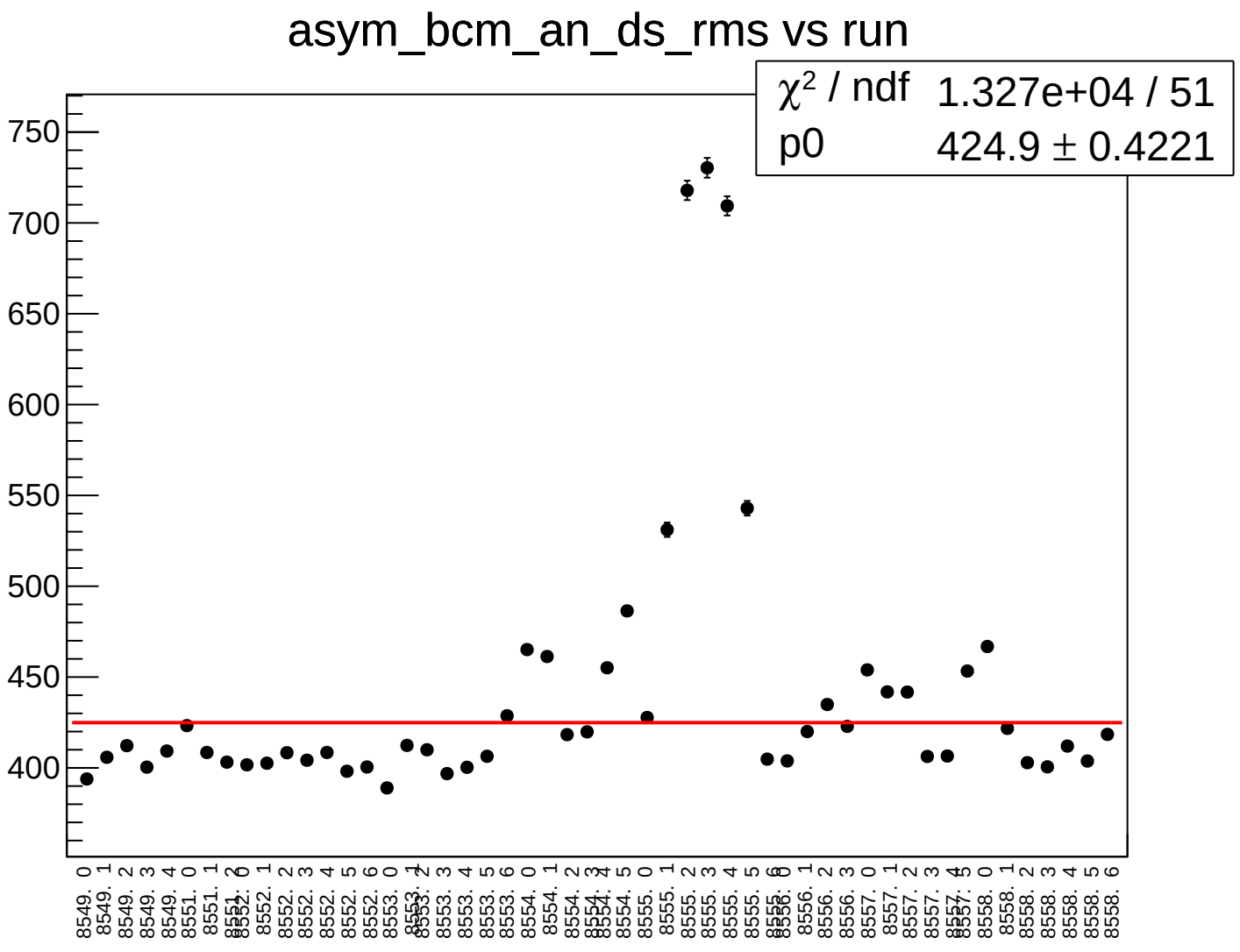

asym_bcm_an_diff_mean vs run
×10^3
χ² / ndf 44.39 / 51
p0 −22.71 ± 92.36
1000
800
600
400
200
0
−200
−400
−600
−800
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8551. 2
8551. 6
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 1
8553. 2
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 3
8554. 4
8554. 5
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8555. 6
8556. 0
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8557. 4
8557. 5
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6
pull
Entries 52
Mean 31.77
Std Dev 24.33
1.5
1
0.5
0
−0.5
−1
−1.5

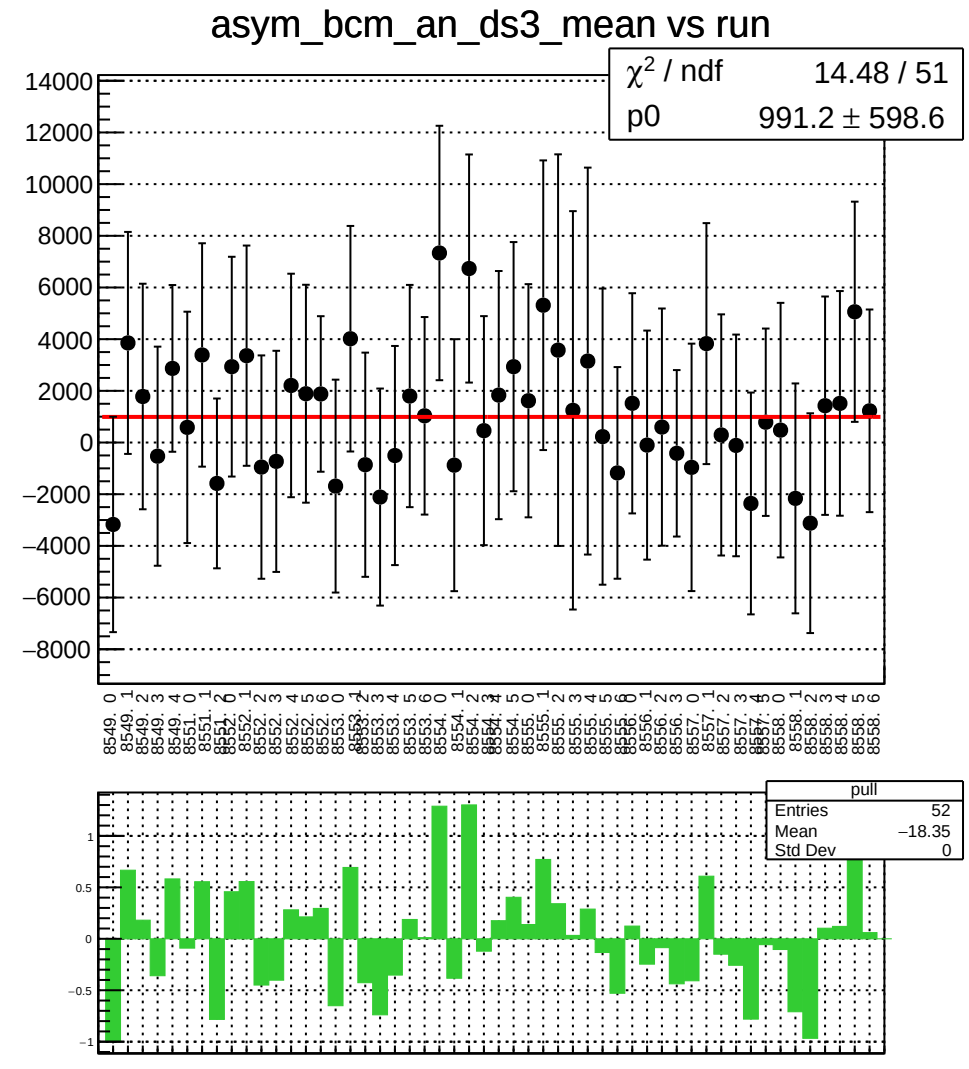

pull1D
Entries 52
Mean 0.1223
Std Dev 0.9158
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

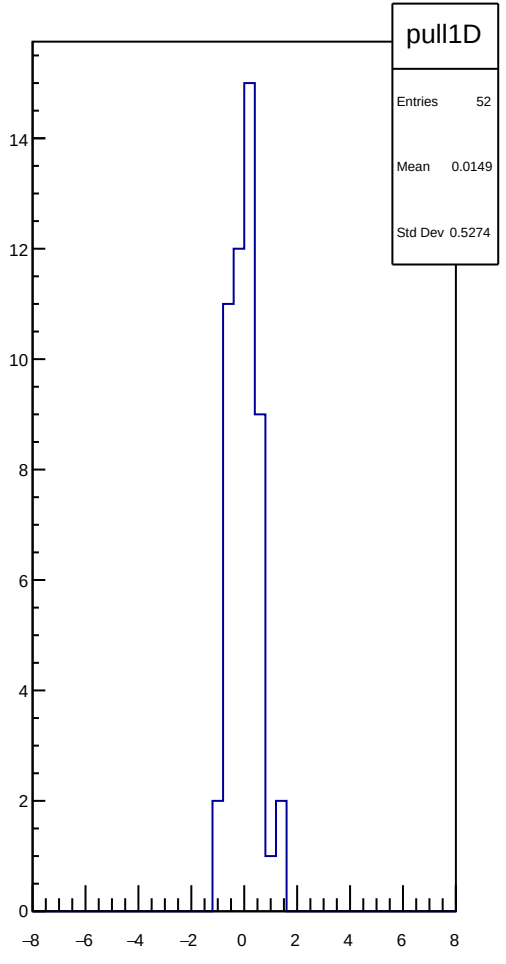

asym_bcm_an_diff_rms vs run
×10^3
800
700
600
500
400
300
200
100
χ² / ndf 1.351e+05 / 16
p0 2.804e+04 ± 65.32
8549. 0
8552. 4
8553. 4
8554. 2
8554. 3
8555. 2
8555. 5
8556. 0
8556. 2
8557. 1
8557. 2
8557. 3
8557. 4
8557. 5
8558. 0
8558. 1
8558. 3

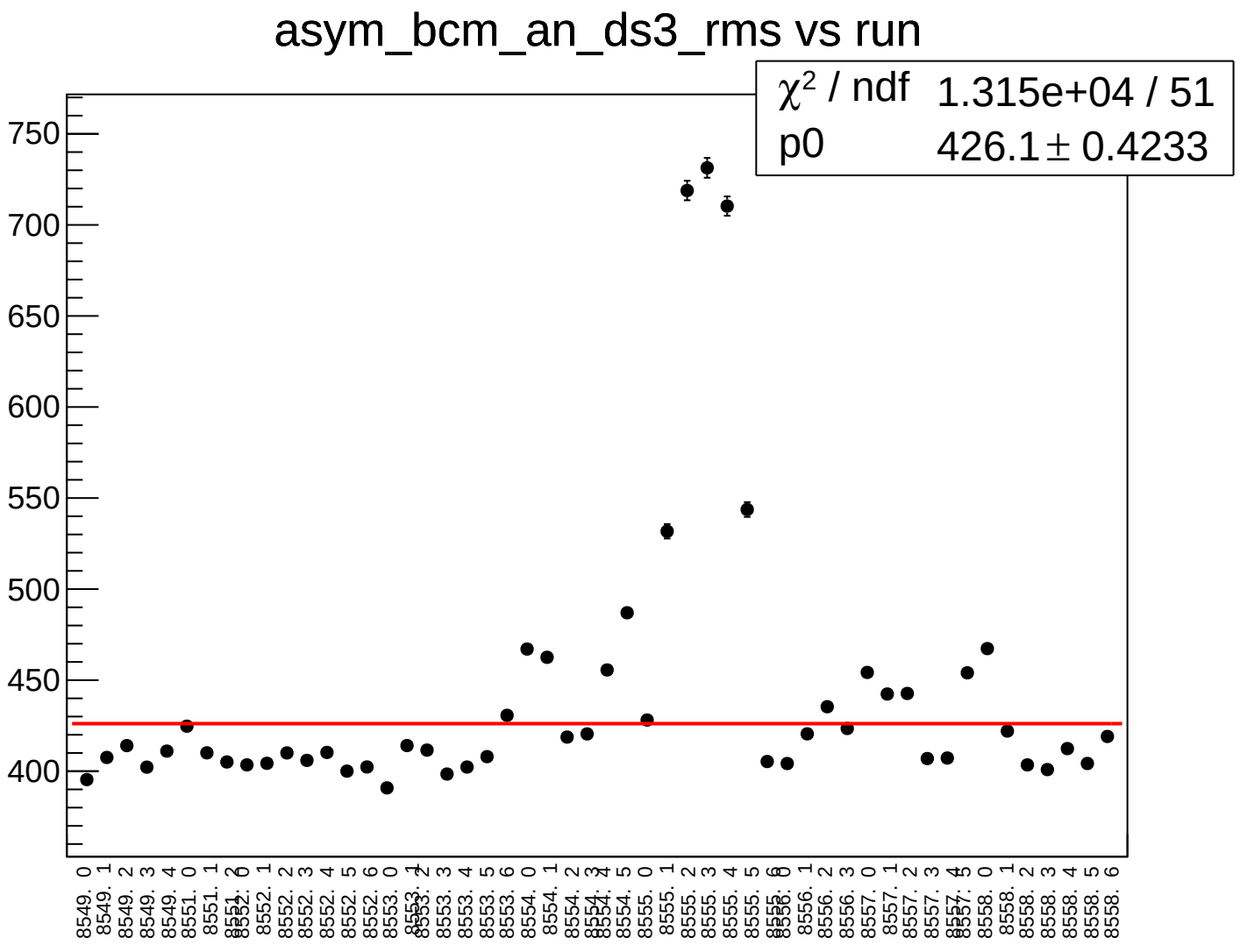

asym_bcm_an_ds_mean vs run
χ² / ndf 14.43 / 51
p0 975.9 ± 596.9
pull
Entries 52
Mean −20.05
Std Dev 0

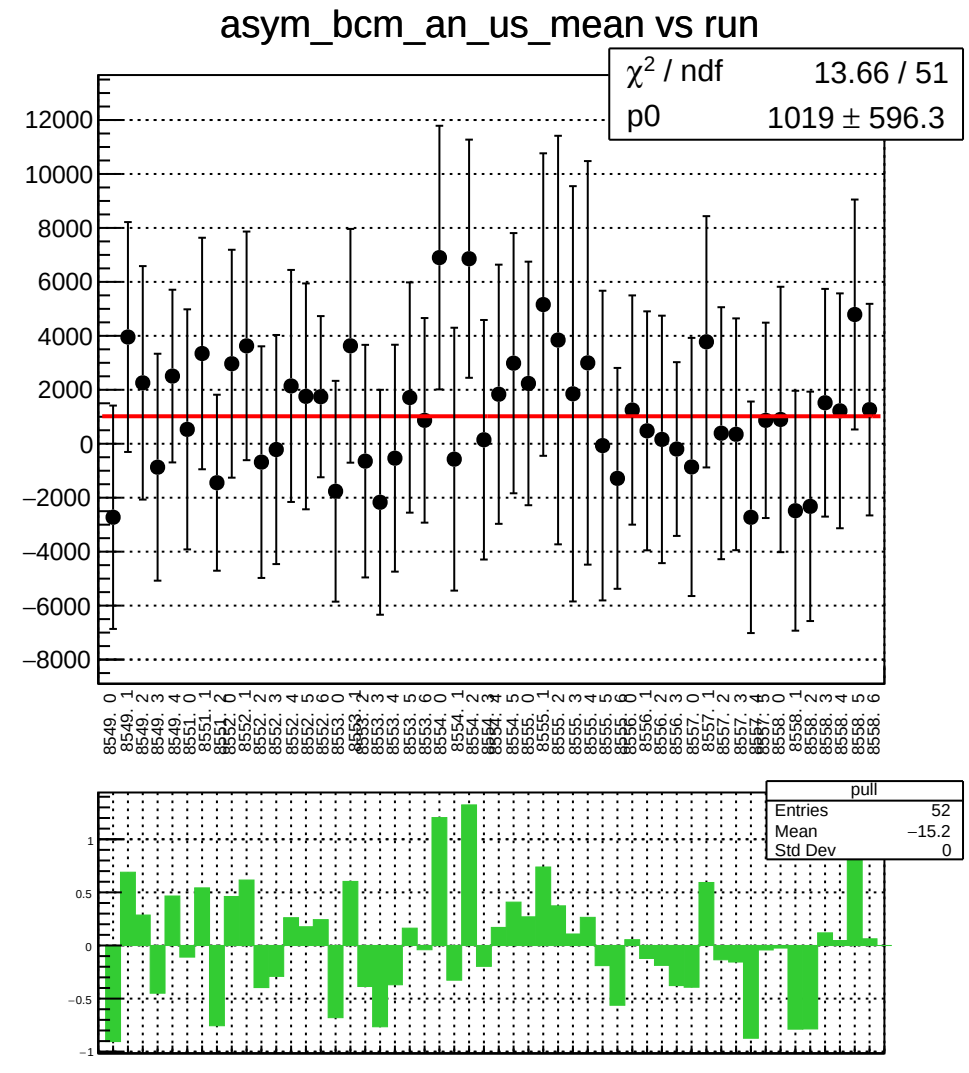

pull1D
Entries 52
Mean 0.0153
Std Dev 0.5266

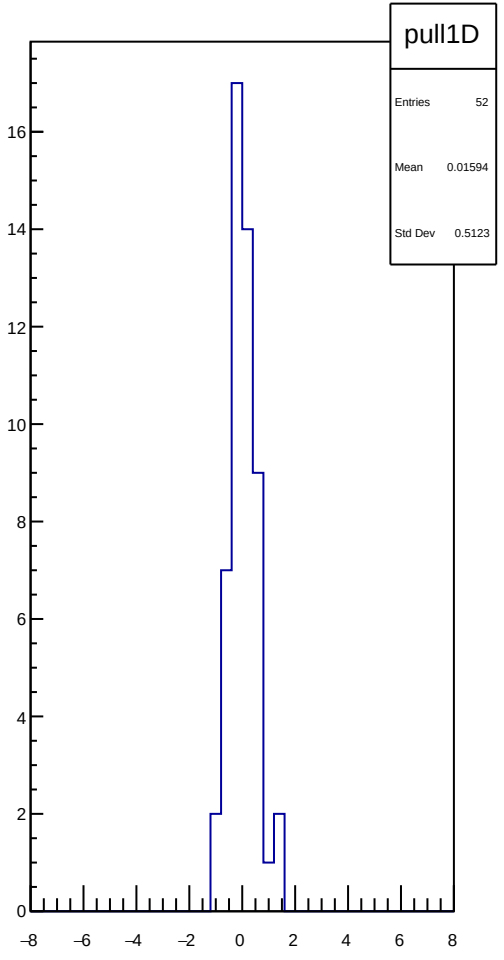

asym_bcm_an_ds_rms vs run
χ² / ndf 1.327e+04 / 51
p0 424.9 ± 0.4221
750
700
650
600
550
500
450
400
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 5
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

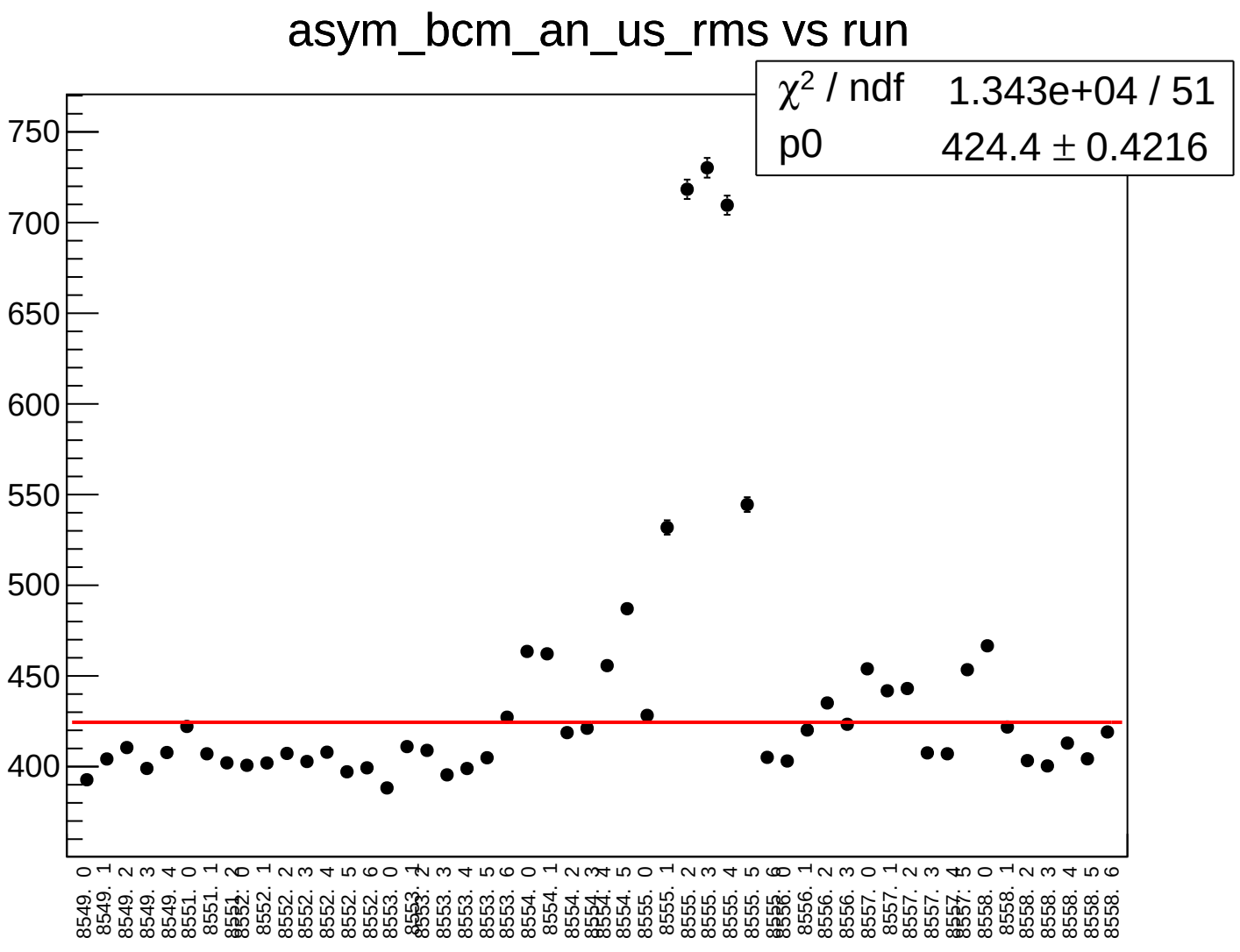

asym_bcm_an_ds3_mean vs run
χ² / ndf 14.48 / 51
p0 991.2 ± 598.6
pull
Entries 52
Mean −18.35
Std Dev 0

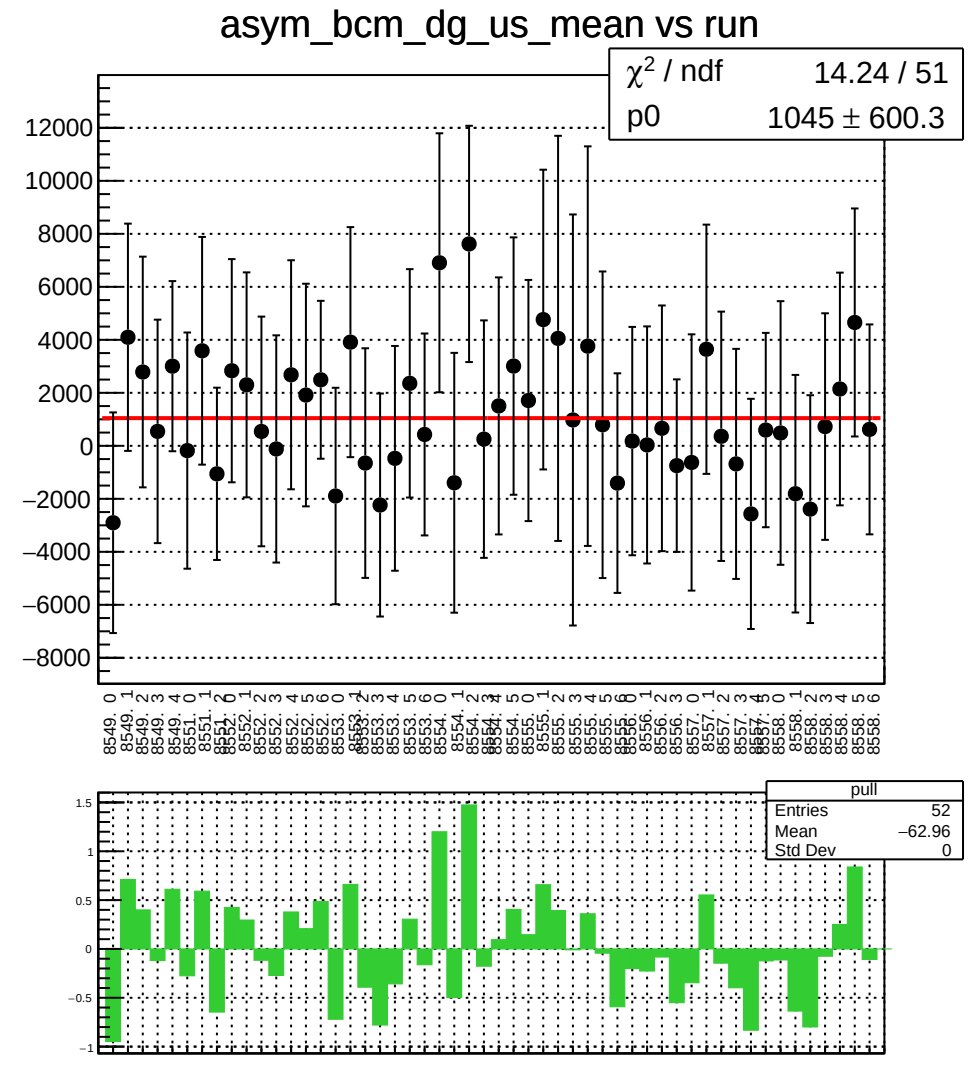

pull1D
Entries 52
Mean 0.0149
Std Dev 0.5274

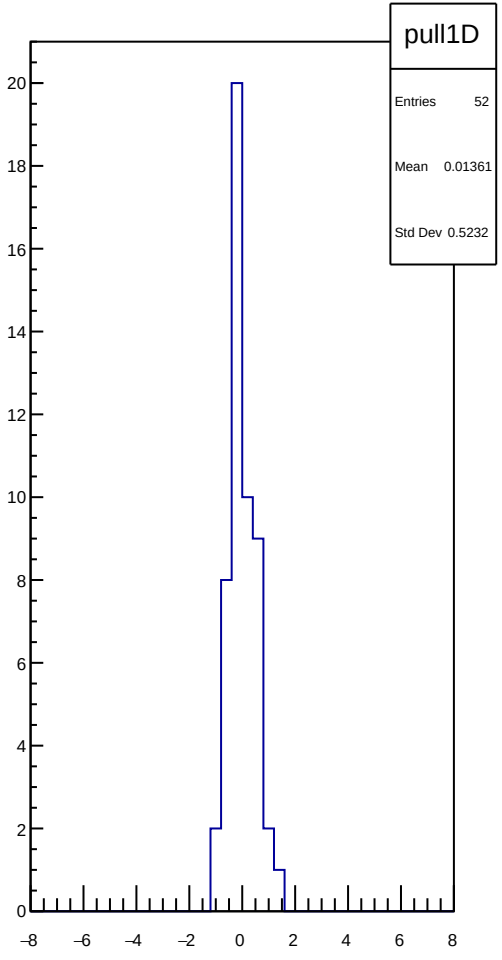

asym_bcm_an_ds3_rms vs run
χ² / ndf 1.315e+04 / 51
p0 426.1 ± 0.4233
750
700
650
600
550
500
450
400
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 5
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

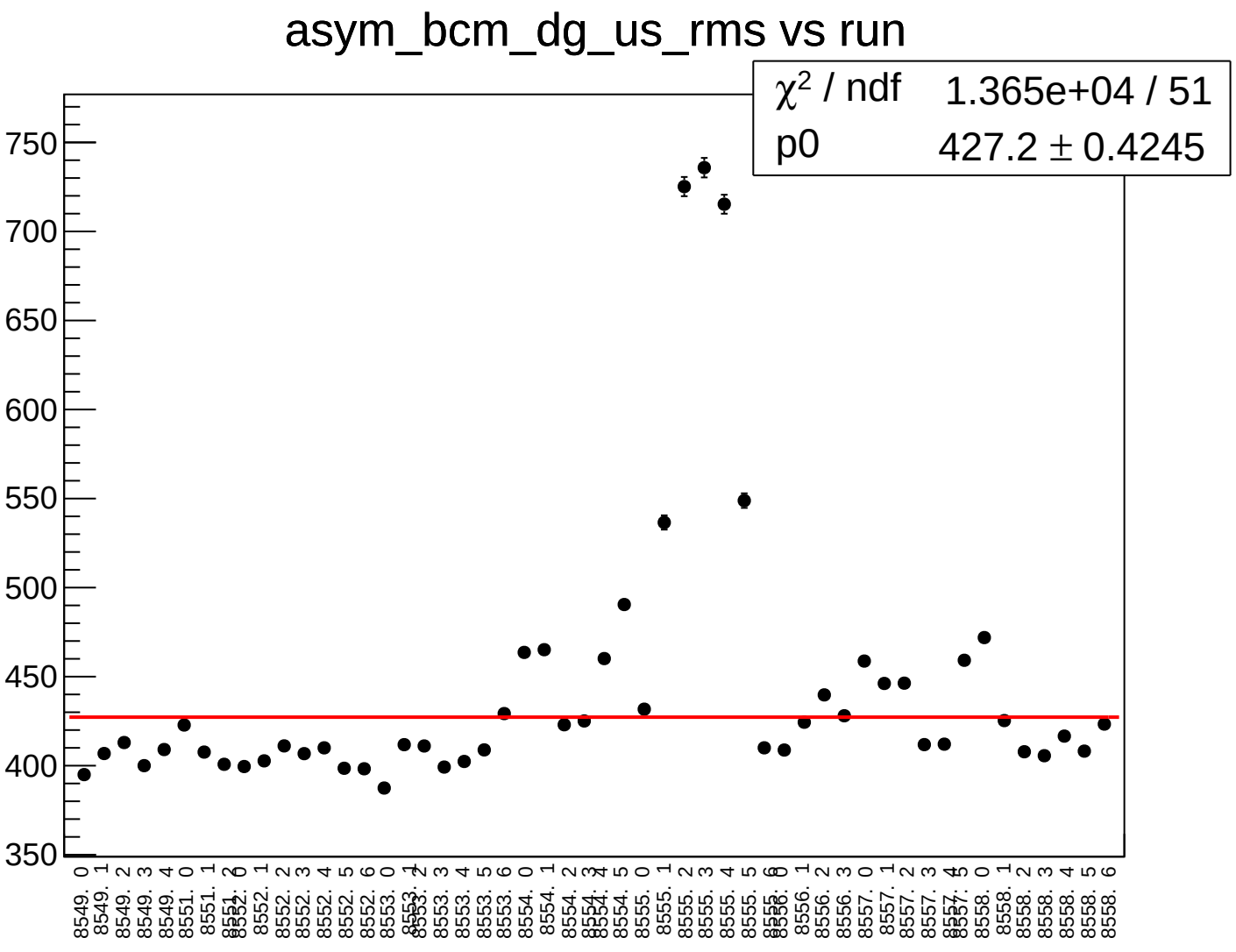

asym_bcm_an_us_mean vs run
χ² / ndf 13.66 / 51
p0 1019 ± 596.3
pull
Entries 52
Mean −15.2
Std Dev 0

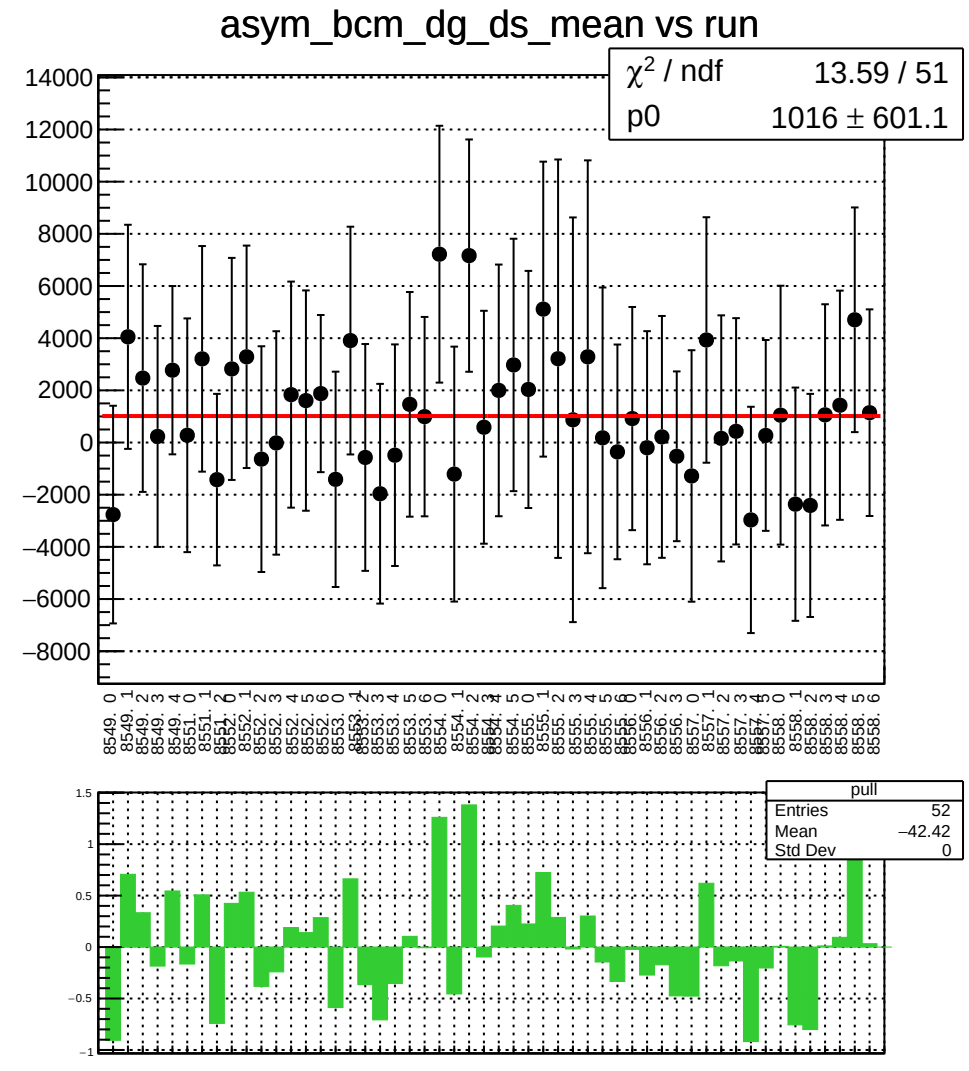

pull1D
Entries 52
Mean 0.01594
Std Dev 0.5123

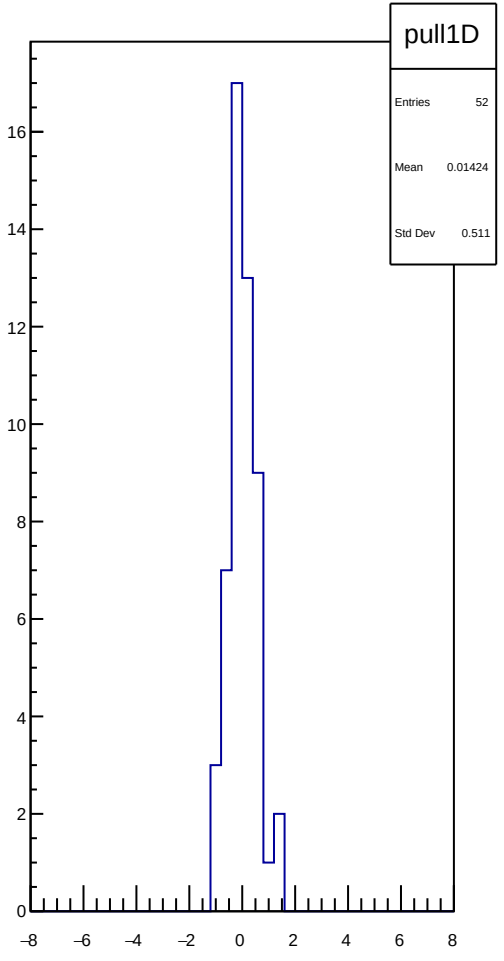

asym_bcm_an_us_rms vs run
χ² / ndf 1.343e+04 / 51
p0 424.4 ± 0.4216
750
700
650
600
550
500
450
400
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 5
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

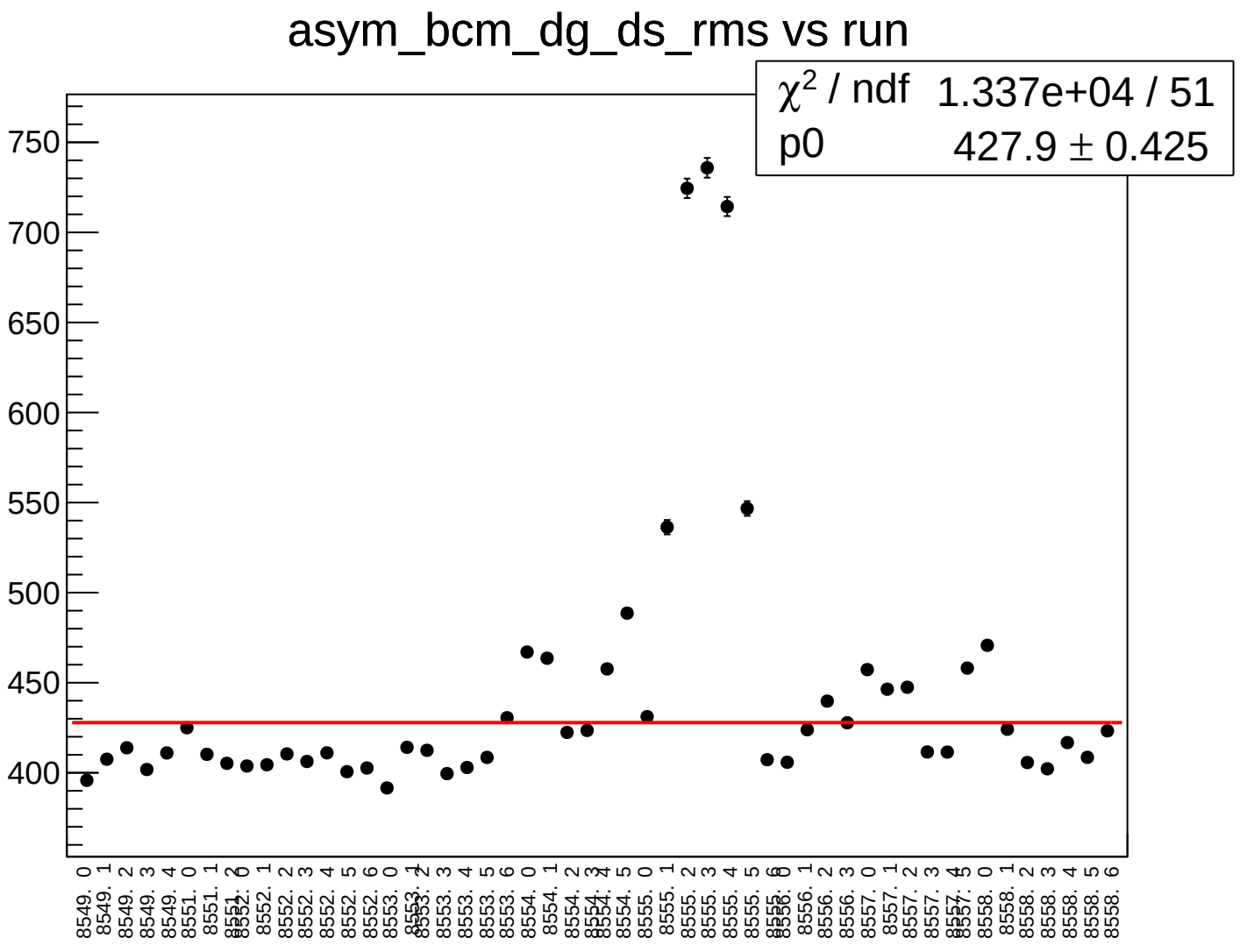

asym_bcm_dg_us_mean vs run
χ² / ndf 14.24 / 51
p0 1045 ± 600.3
pull
Entries 52
Mean −62.96
Std Dev 0

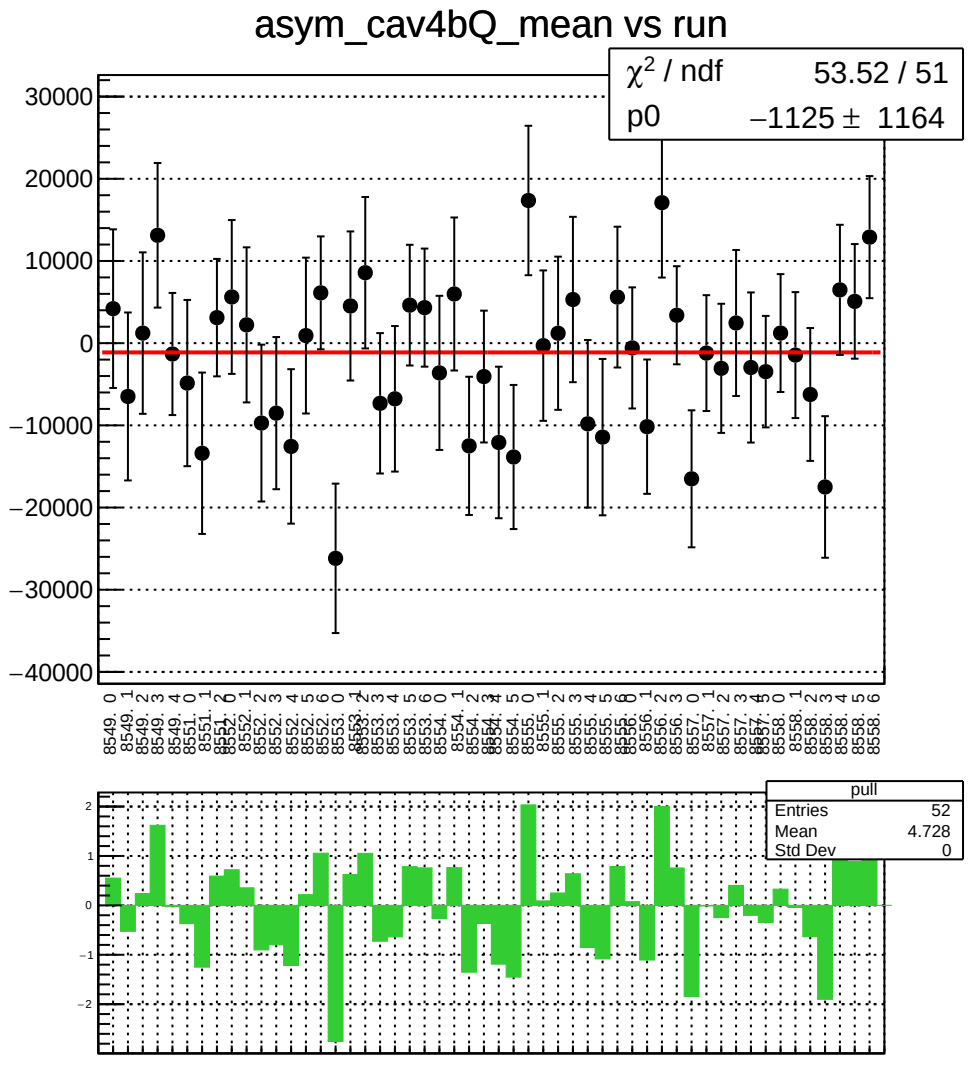

pull1D
Entries 52
Mean 0.01361
Std Dev 0.5232

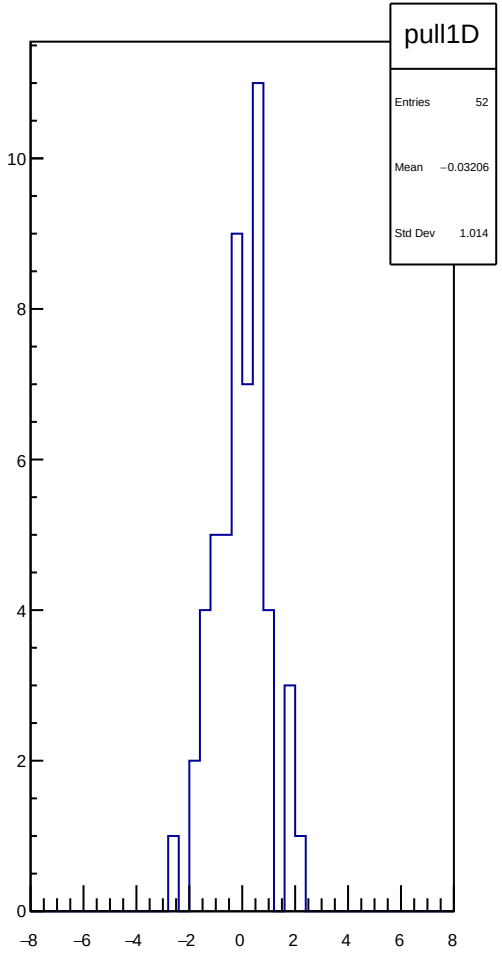

asym_bcm_dg_us_rms vs run
χ² / ndf 1.365e+04 / 51
p0 427.2 ± 0.4245
750
700
650
600
550
500
450
400
350
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

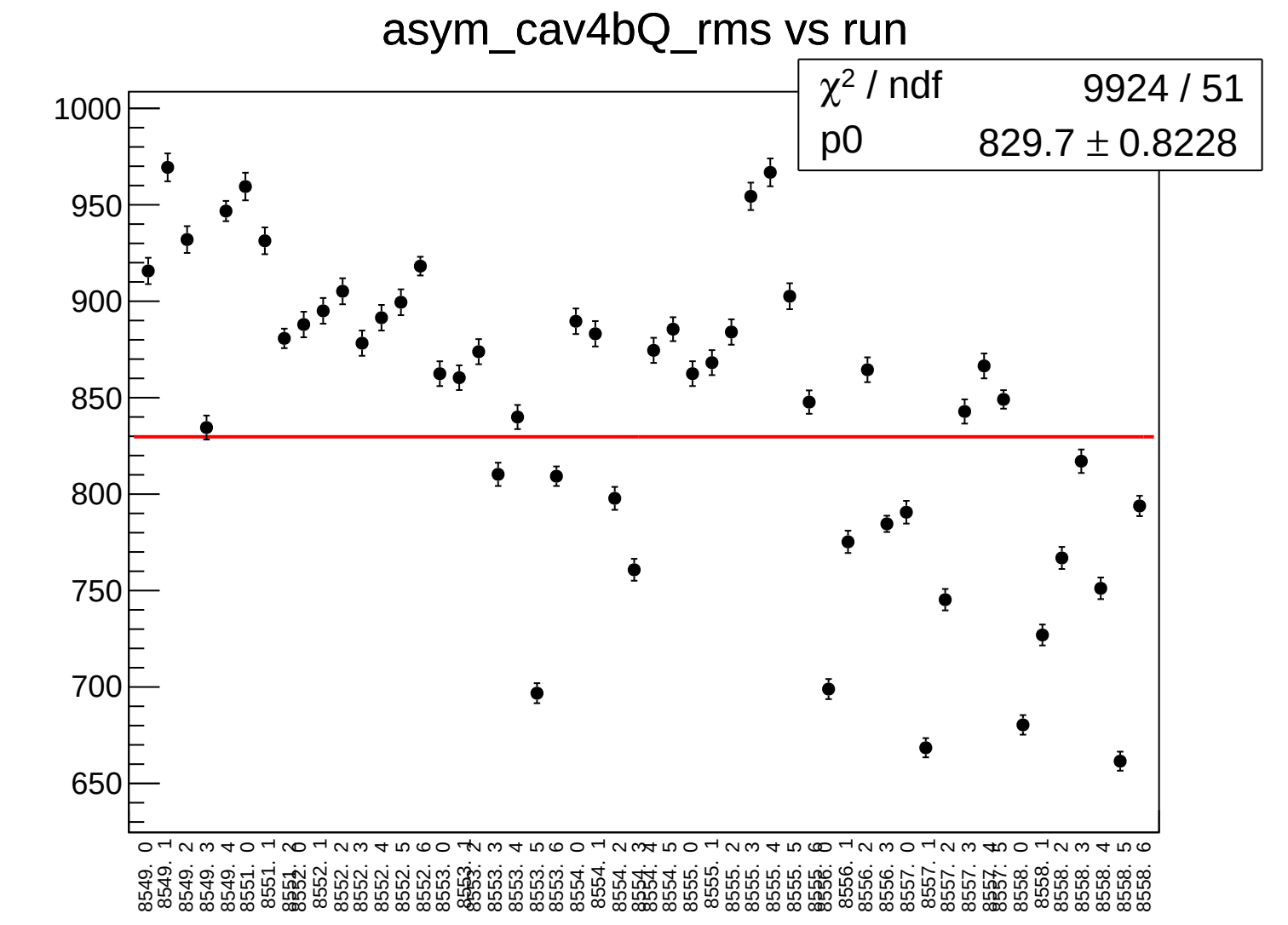

asym_bcm_dg_ds_mean vs run
χ² / ndf 13.59 / 51
p0 1016 ± 601.1
pull
Entries 52
Mean −42.42
Std Dev 0

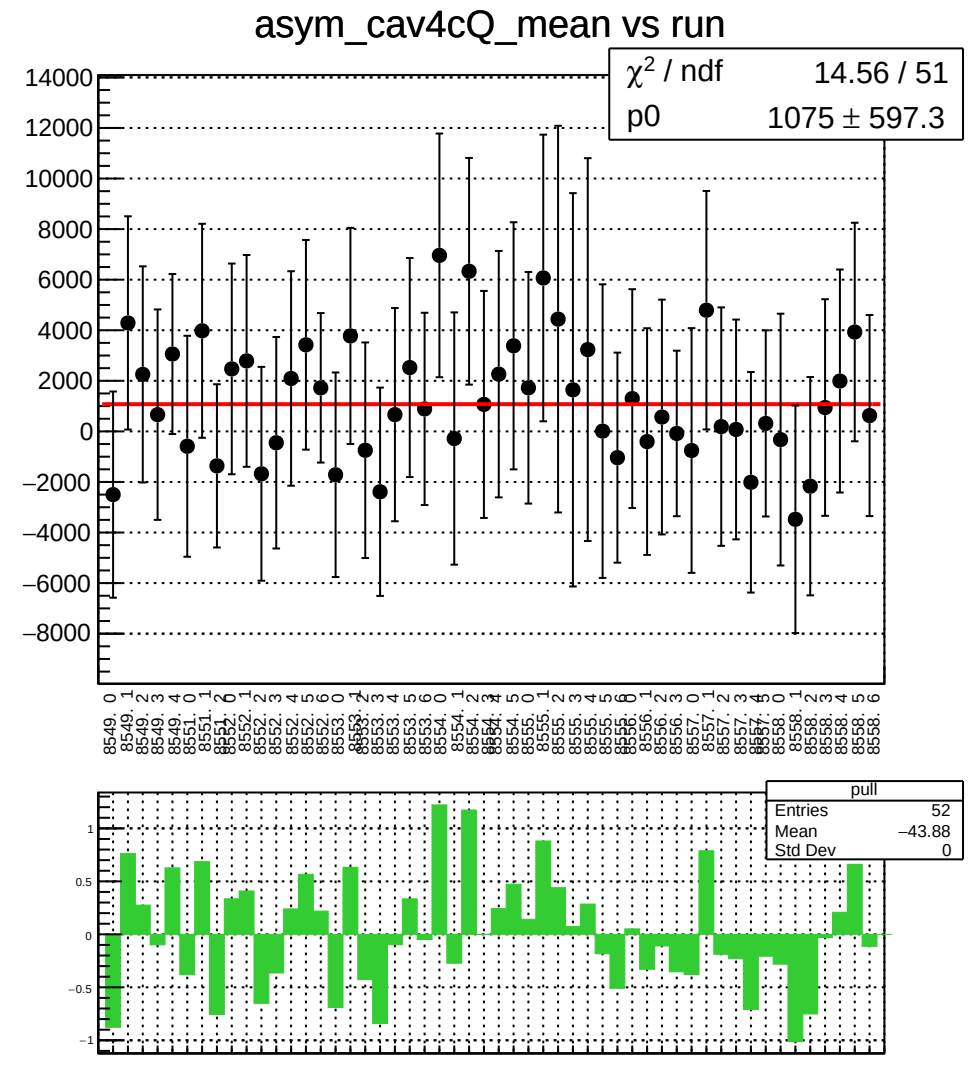

pull1D
Entries 52
Mean 0.01424
Std Dev 0.511

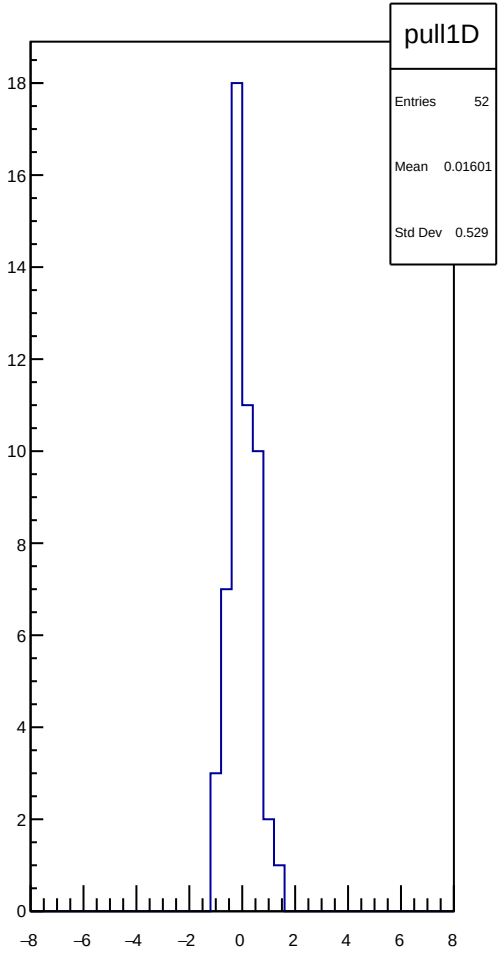

asym_bcm_dg_ds_rms vs run
χ² / ndf 1.337e+04 / 51
p0 427.9 ± 0.425
750
700
650
600
550
500
450
400
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 5
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

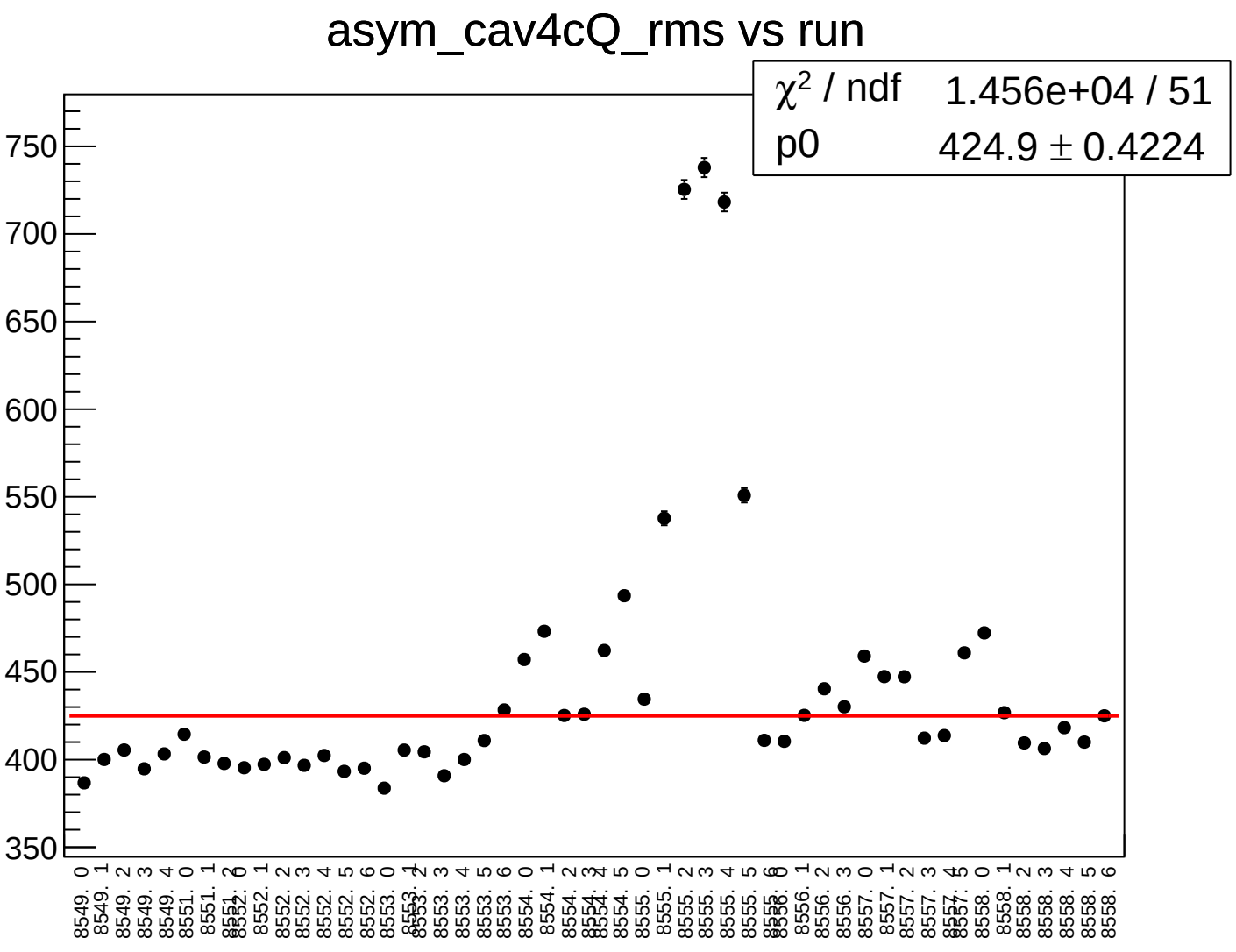

asym_cav4bQ_mean vs run
χ² / ndf 53.52 / 51
p0 −1125 ± 1164
pull
Entries 52
Mean 4.728
Std Dev 0

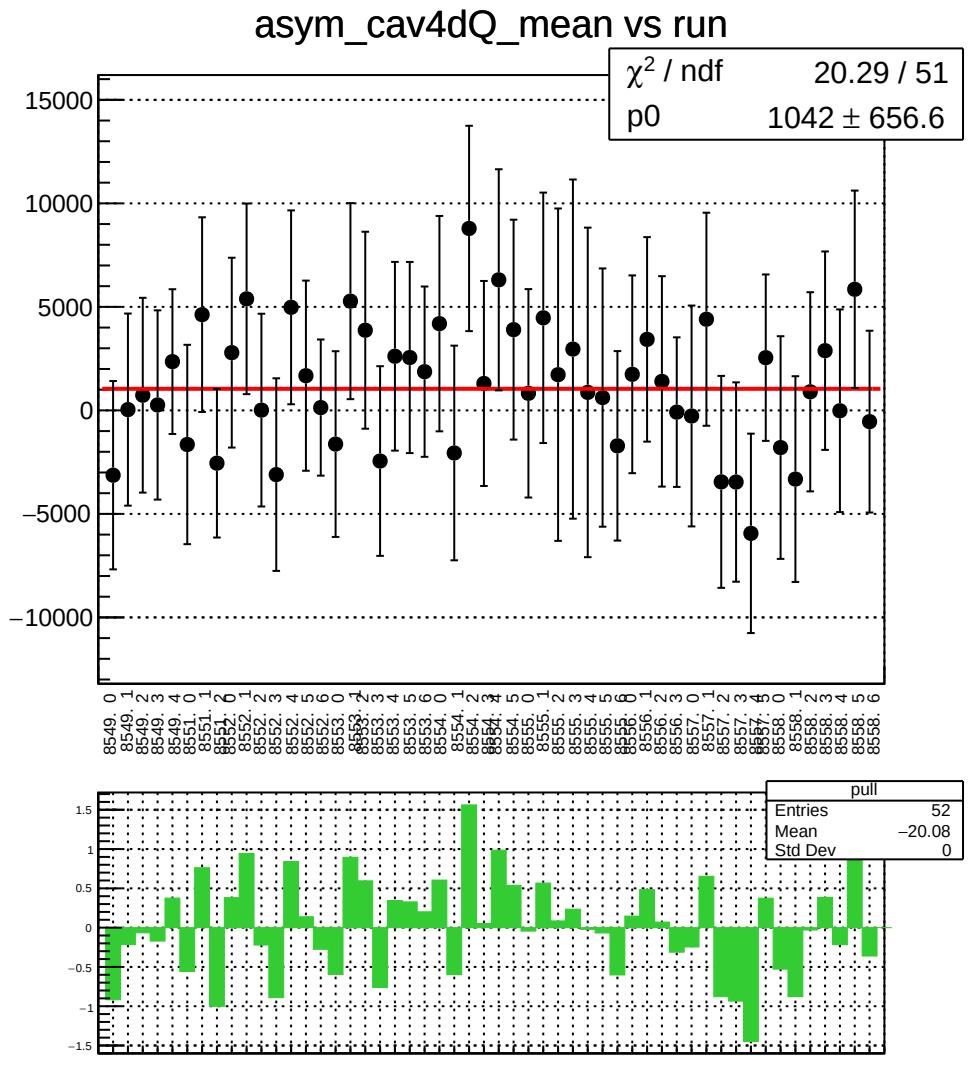

pull1D
Entries 52
Mean −0.03206
Std Dev 1.014

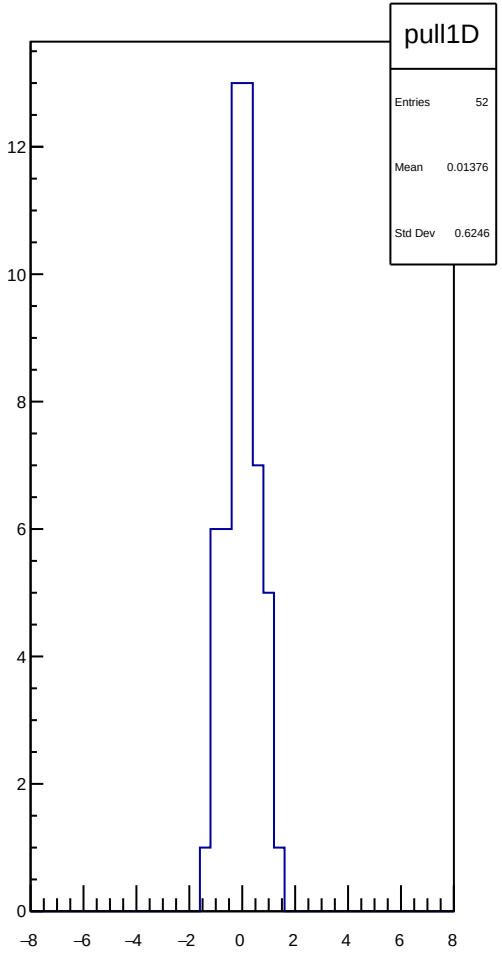

asym_cav4bQ_rms vs run
χ² / ndf 9924 / 51
p0 829.7 ± 0.8228
1000
950
900
850
800
750
700
650
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

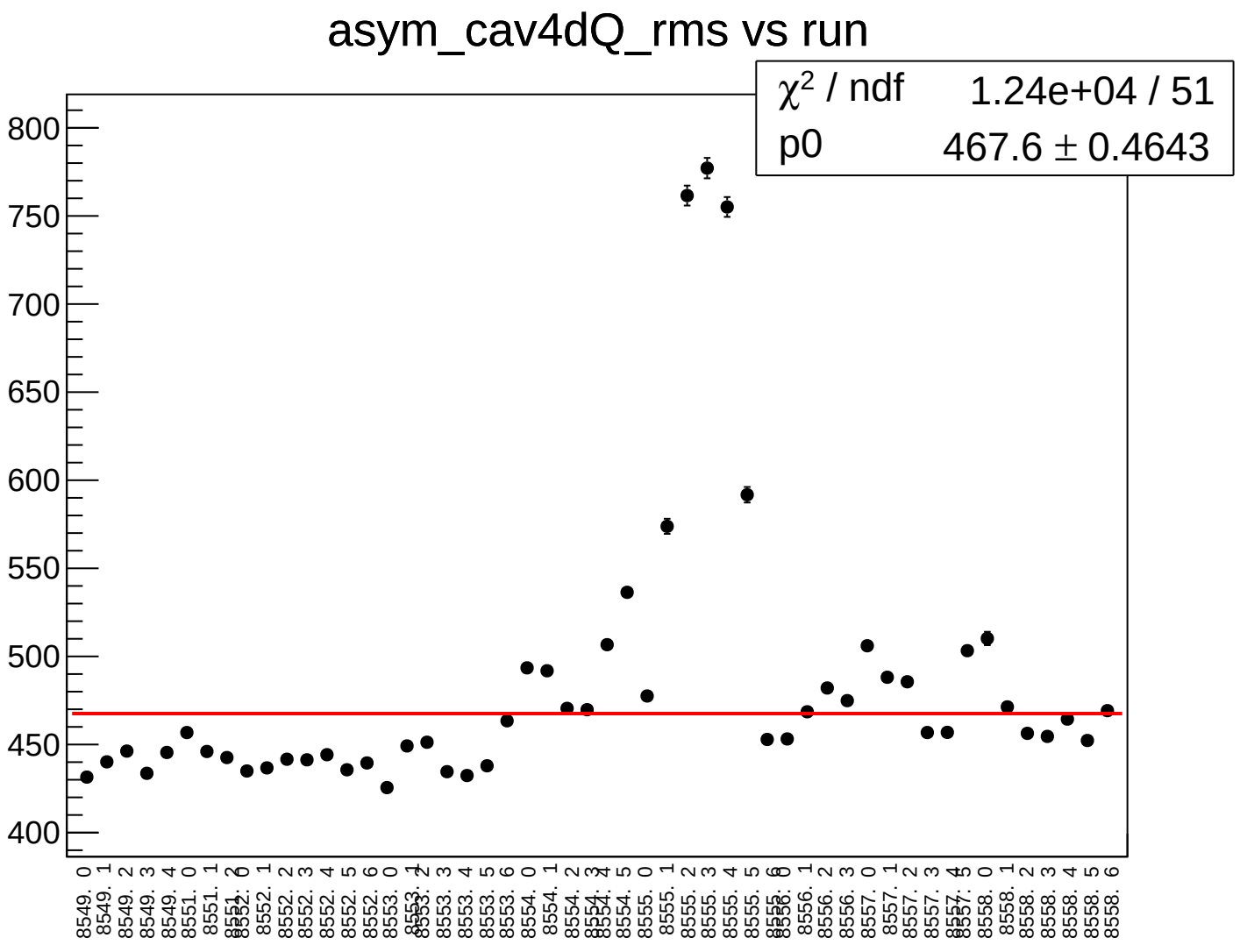

asym_cav4cQ_mean vs run
χ² / ndf 14.56 / 51
p0 1075 ± 597.3
pull
Entries 52
Mean −43.88
Std Dev 0

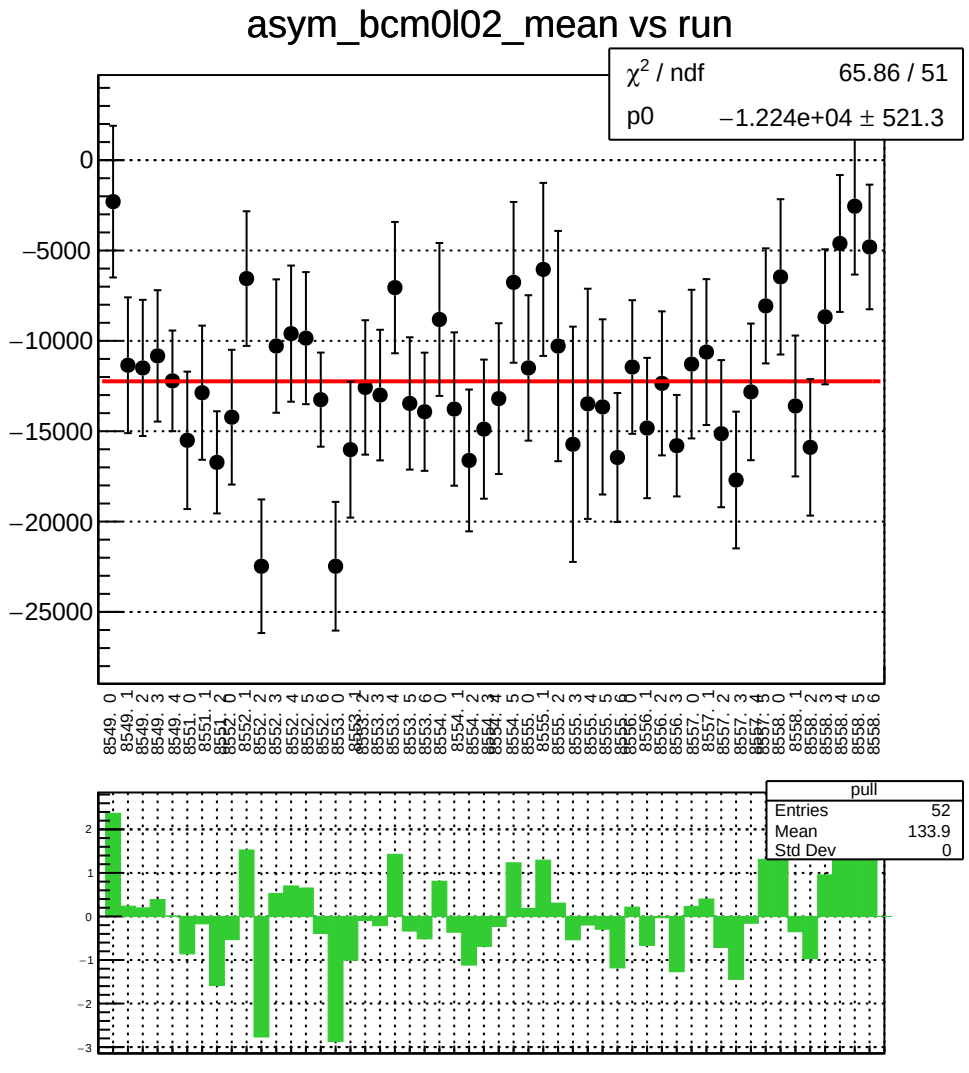

pull1D
Entries 52
Mean 0.01601
Std Dev 0.529

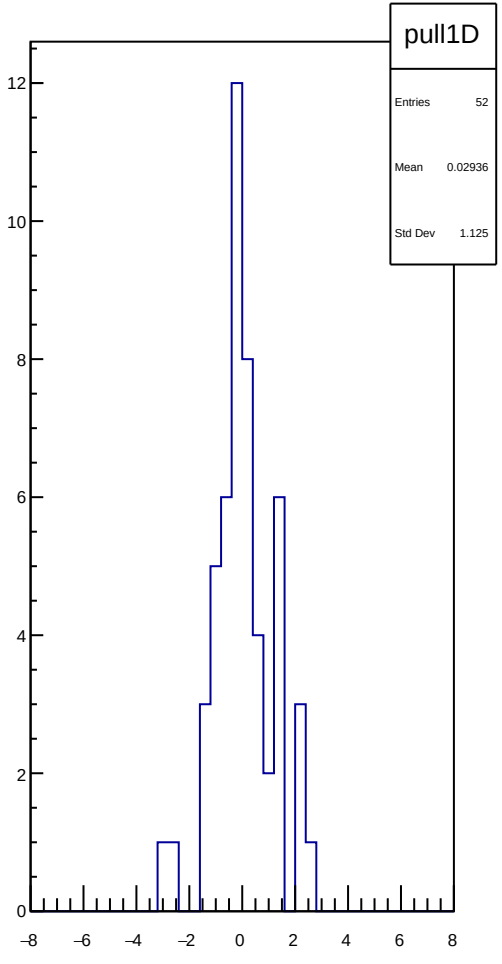

asym_cav4cQ_rms vs run
χ² / ndf 1.456e+04 / 51
p0 424.9 ± 0.4224
750
700
650
600
550
500
450
400
350
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 5
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

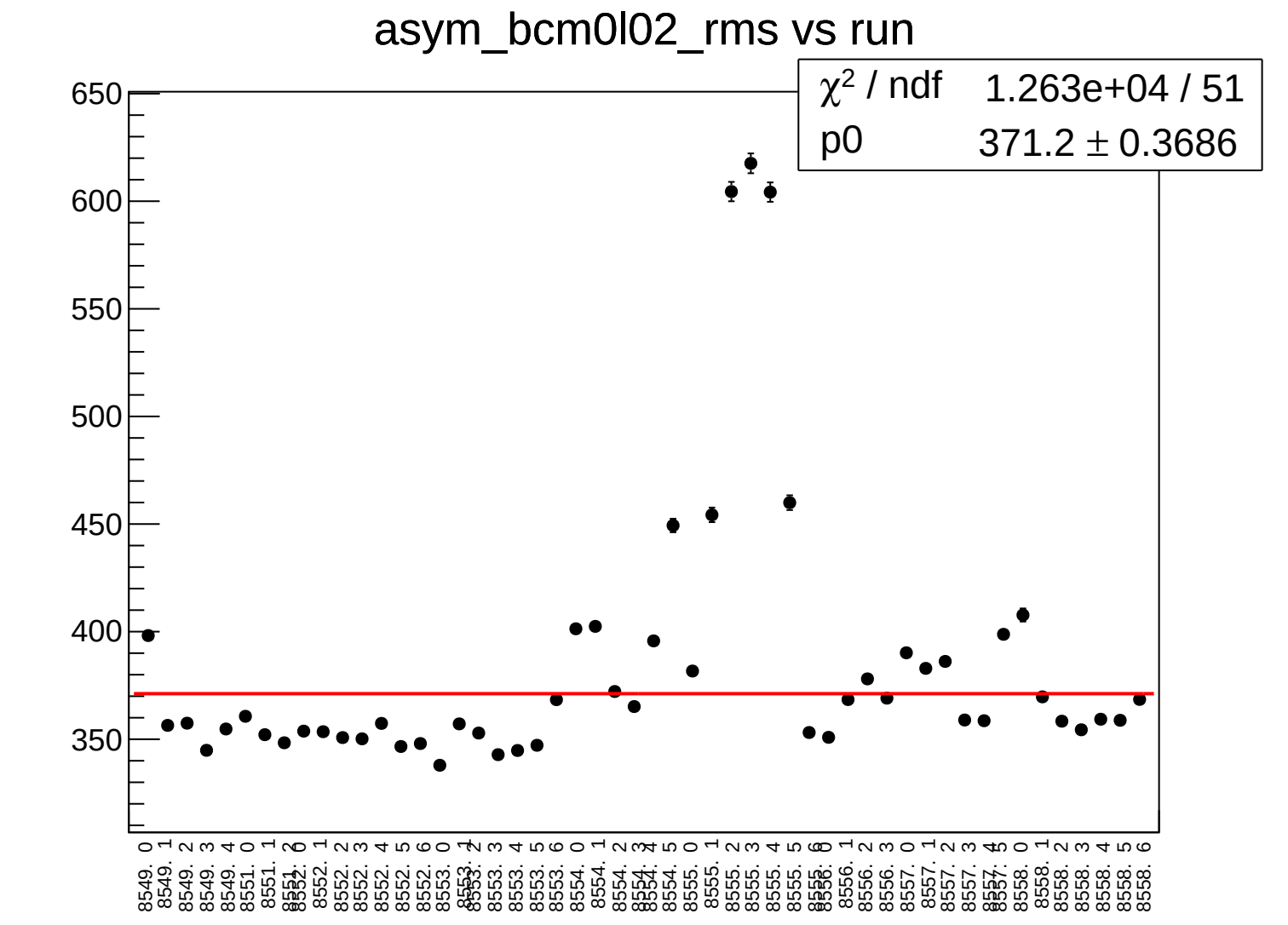

asym_cav4dQ_mean vs run
χ² / ndf 20.29 / 51
p0 1042 ± 656.6
15000
10000
5000
0
−5000
−10000
pull
Entries 52
Mean −20.08
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5

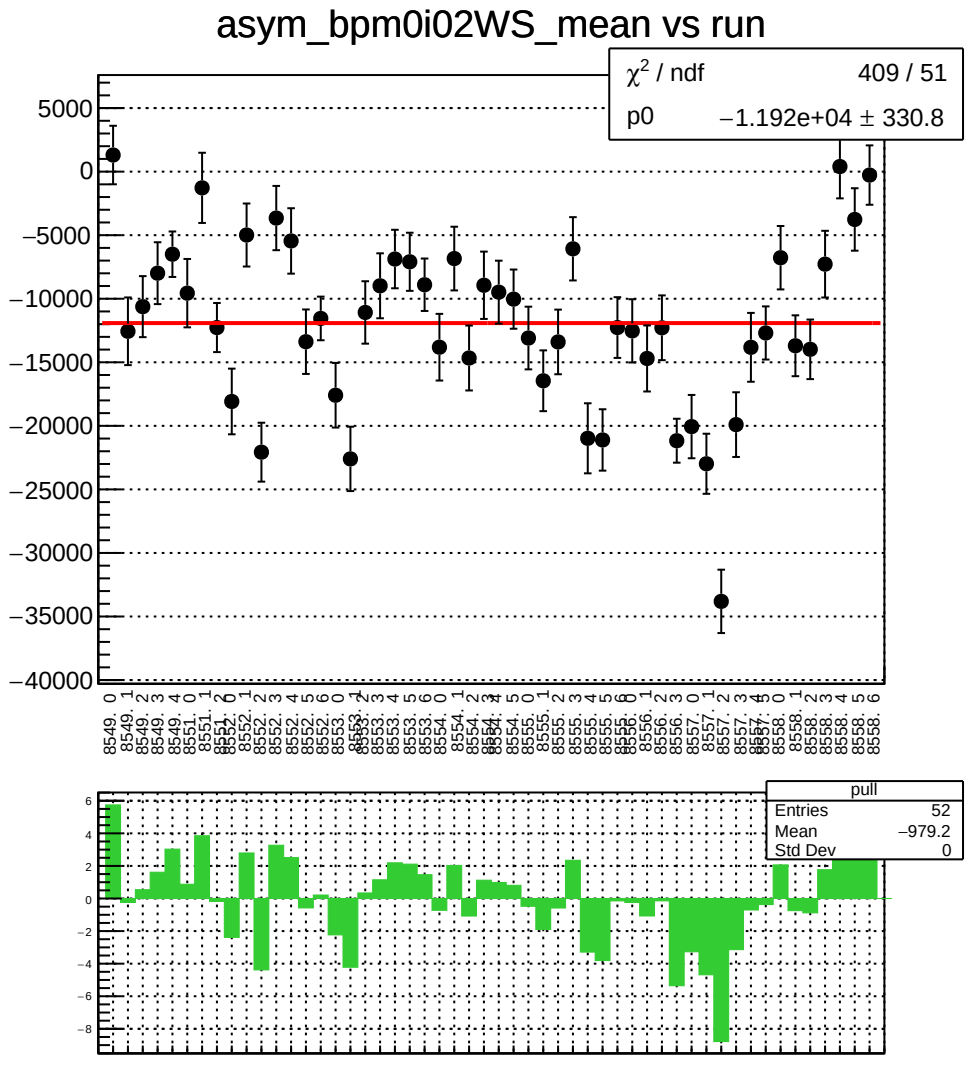

pull1D
Entries 52
Mean 0.01376
Std Dev 0.6246
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

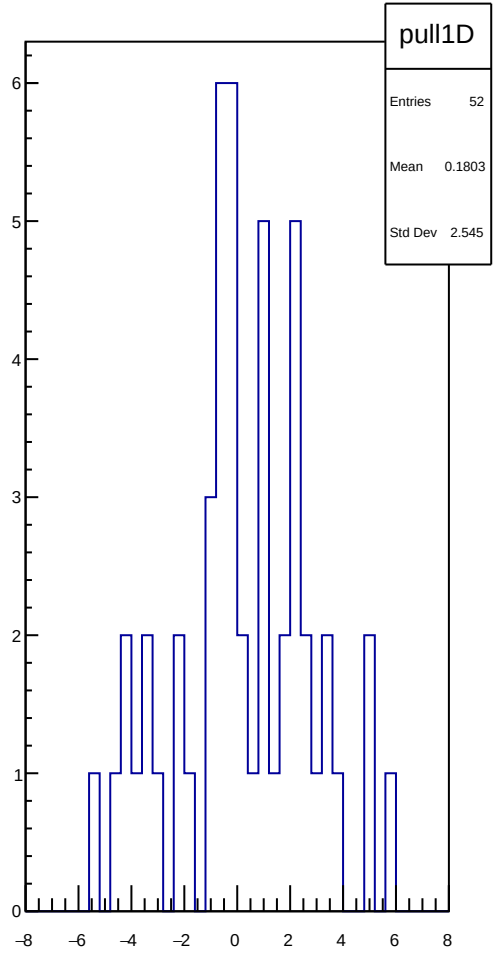

asym_cav4dQ_rms vs run
χ² / ndf 1.24e+04 / 51
p0 467.6 ± 0.4643
800
750
700
650
600
550
500
450
400
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 0
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 2
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 5
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

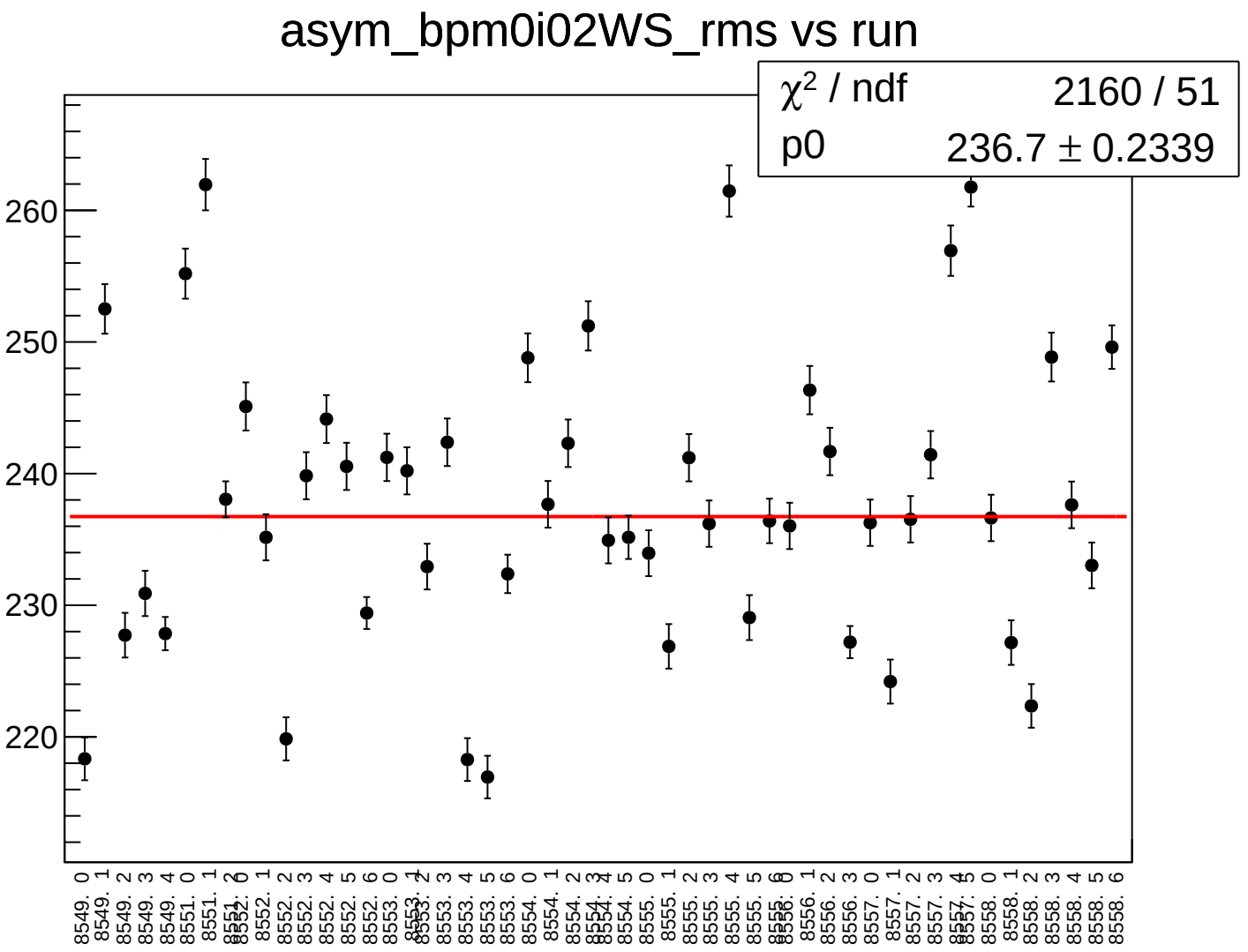

asym_bcm0l02_mean vs run
χ² / ndf 65.86 / 51
p0 −1.224e+04 ± 521.3
0
−5000
−10000
−15000
−20000
−25000
pull
Entries 52
Mean 133.9
Std Dev 0
2
1
0
−1
−2
−3

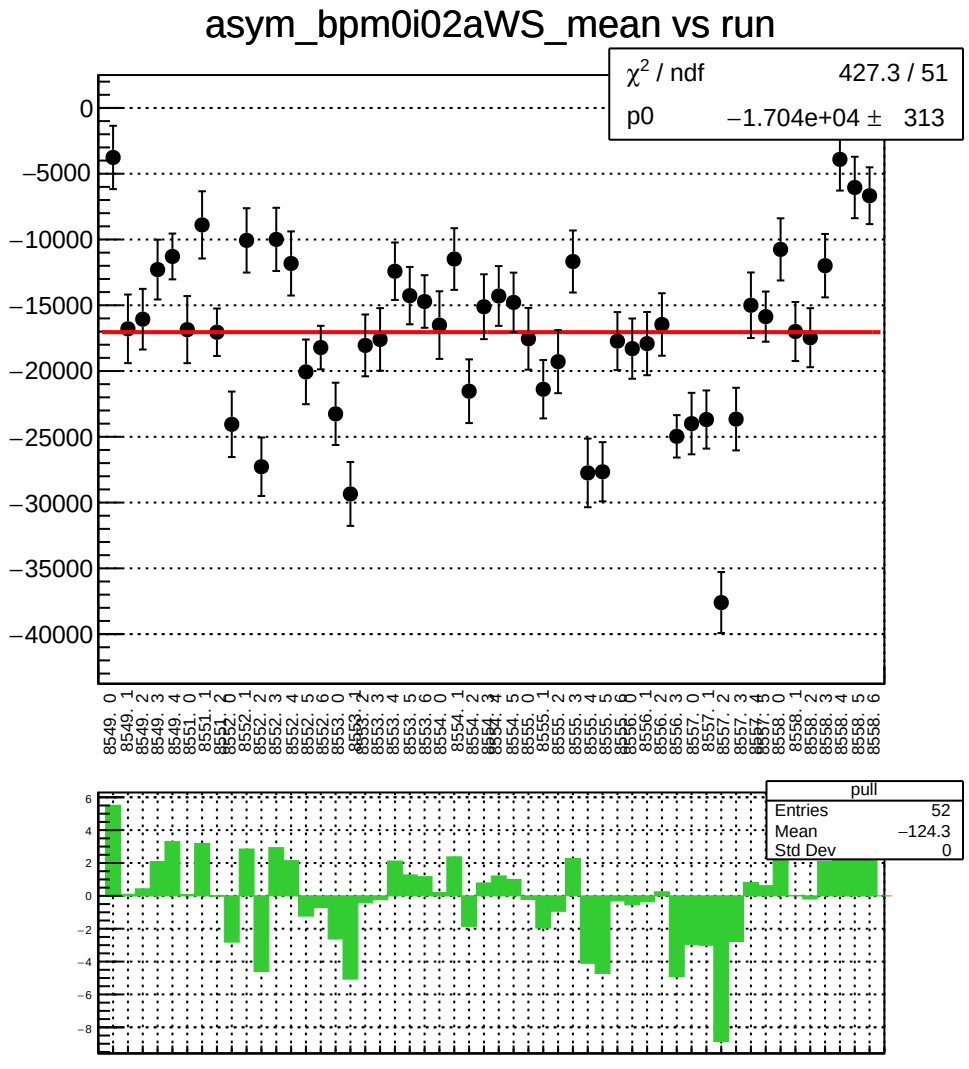

pull1D
Entries 52
Mean 0.02936
Std Dev 1.125
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

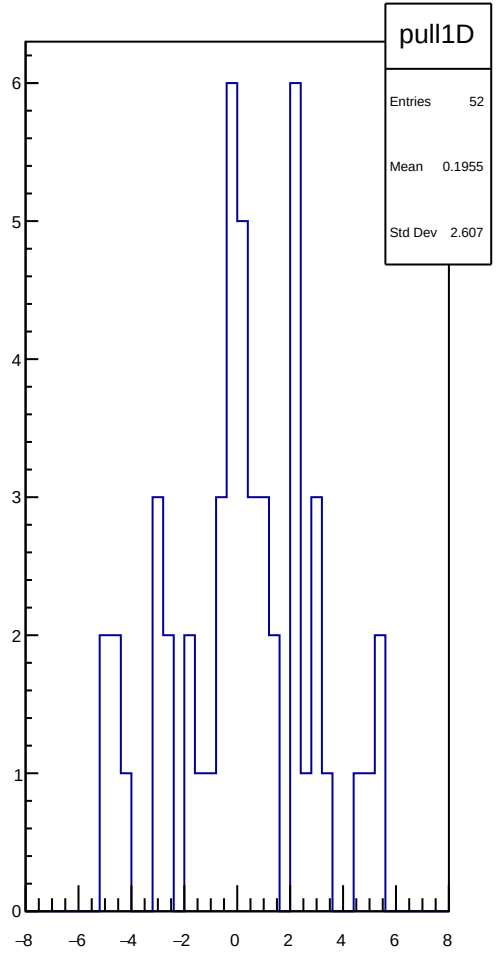

asym_bcm0l02_rms vs run
χ² / ndf 1.263e+04 / 51
p0 371.2 ± 0.3686
650
600
550
500
450
400
350
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 5
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

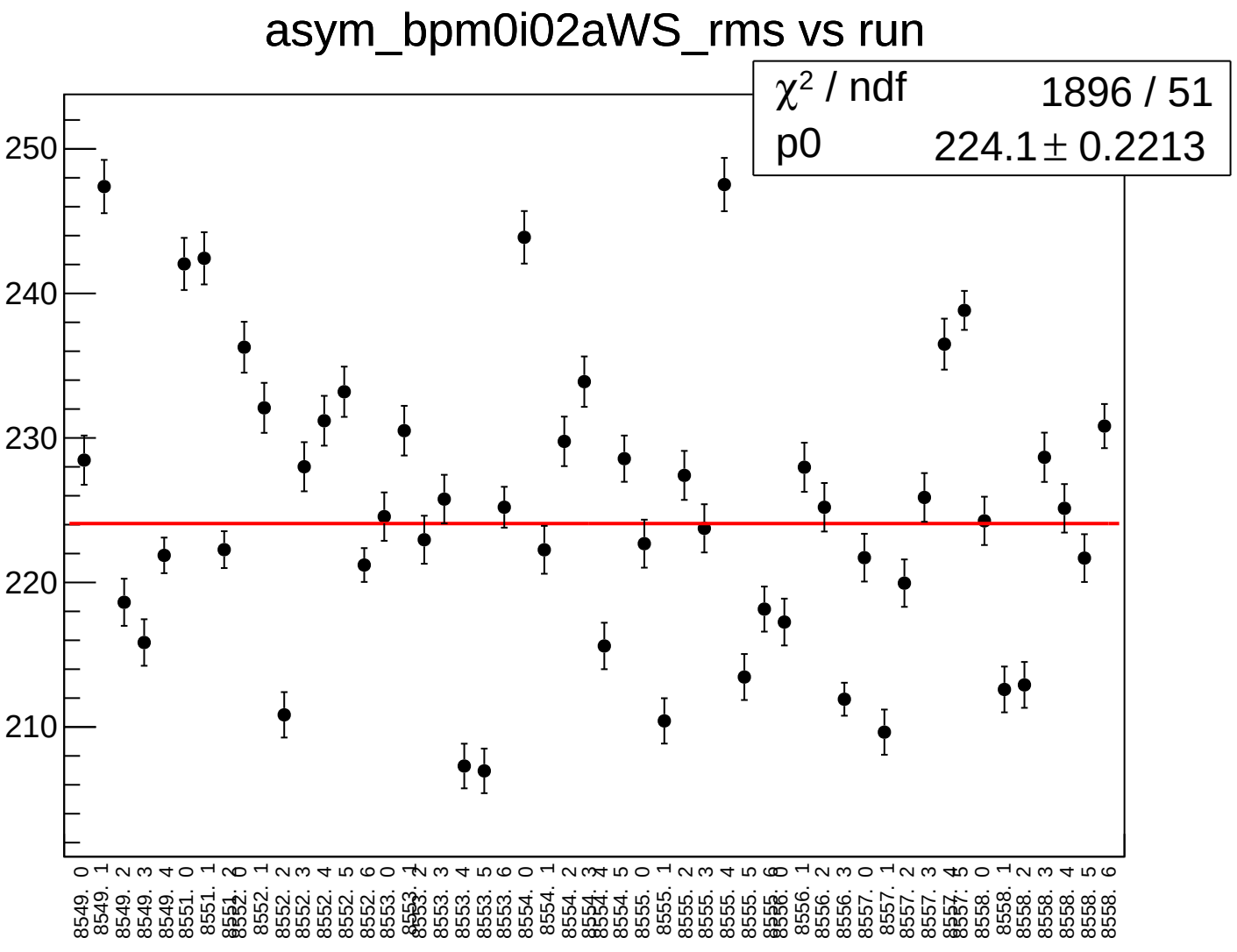

asym_bpm0i02WS_mean vs run
χ² / ndf 409 / 51
p0 −1.192e+04 ± 330.8
pull
Entries 52
Mean −979.2
Std Dev 0

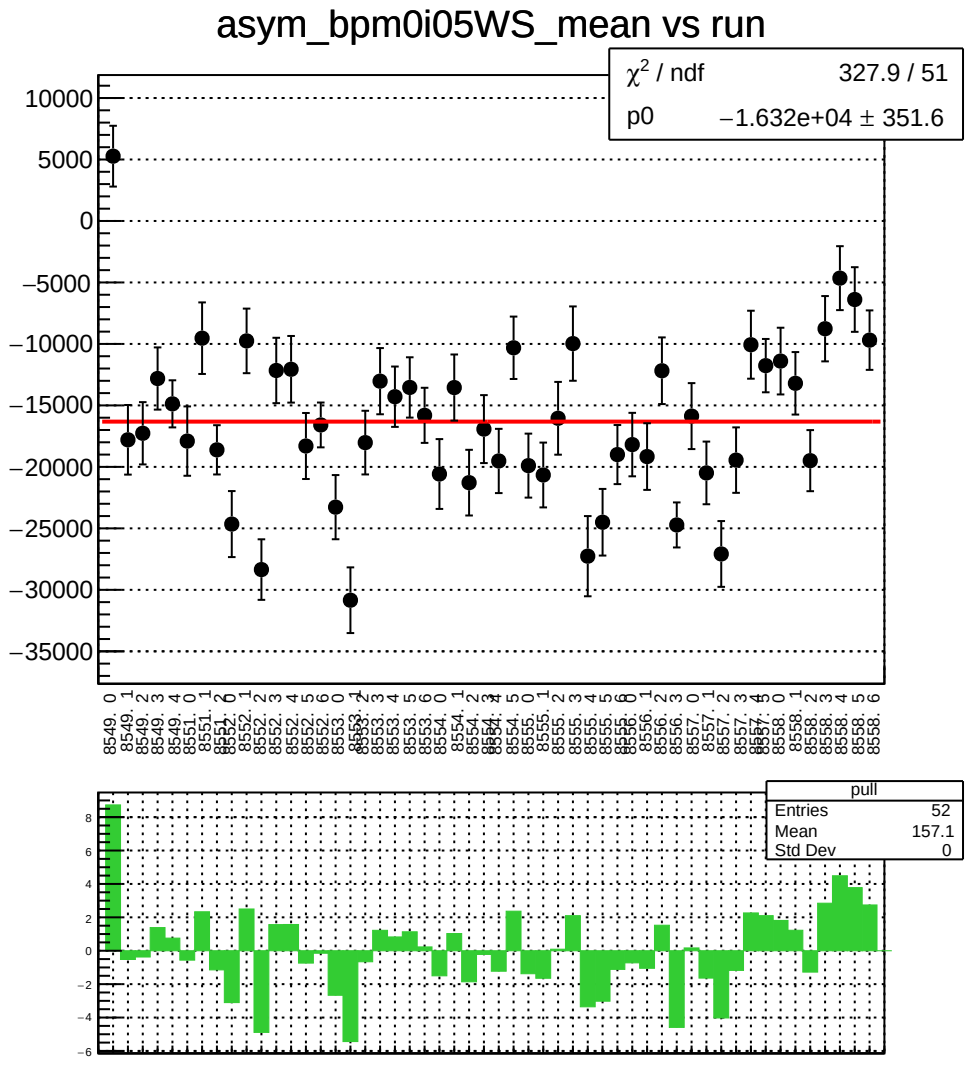

pull1D
Entries 52
Mean 0.1803
Std Dev 2.545

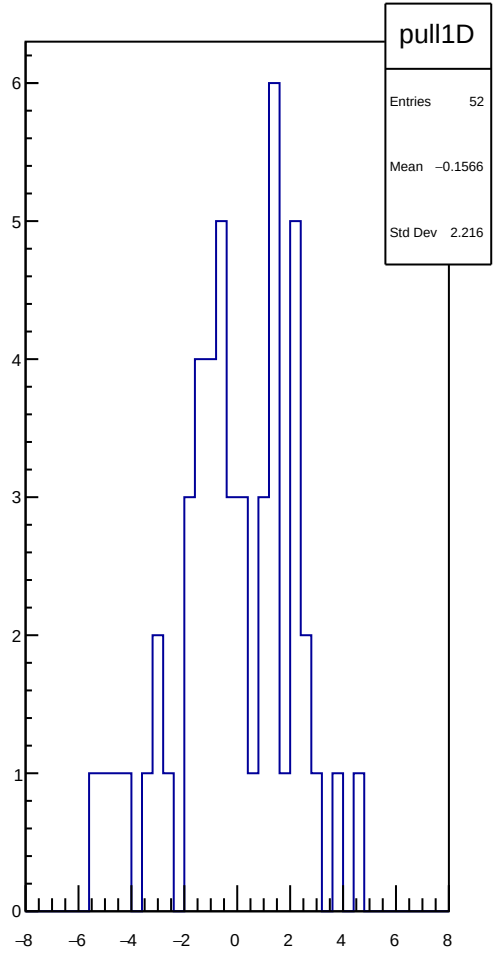

asym_bpm0i02WS_rms vs run
χ² / ndf 2160 / 51
p0 236.7 ± 0.2339
260
250
240
230
220
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

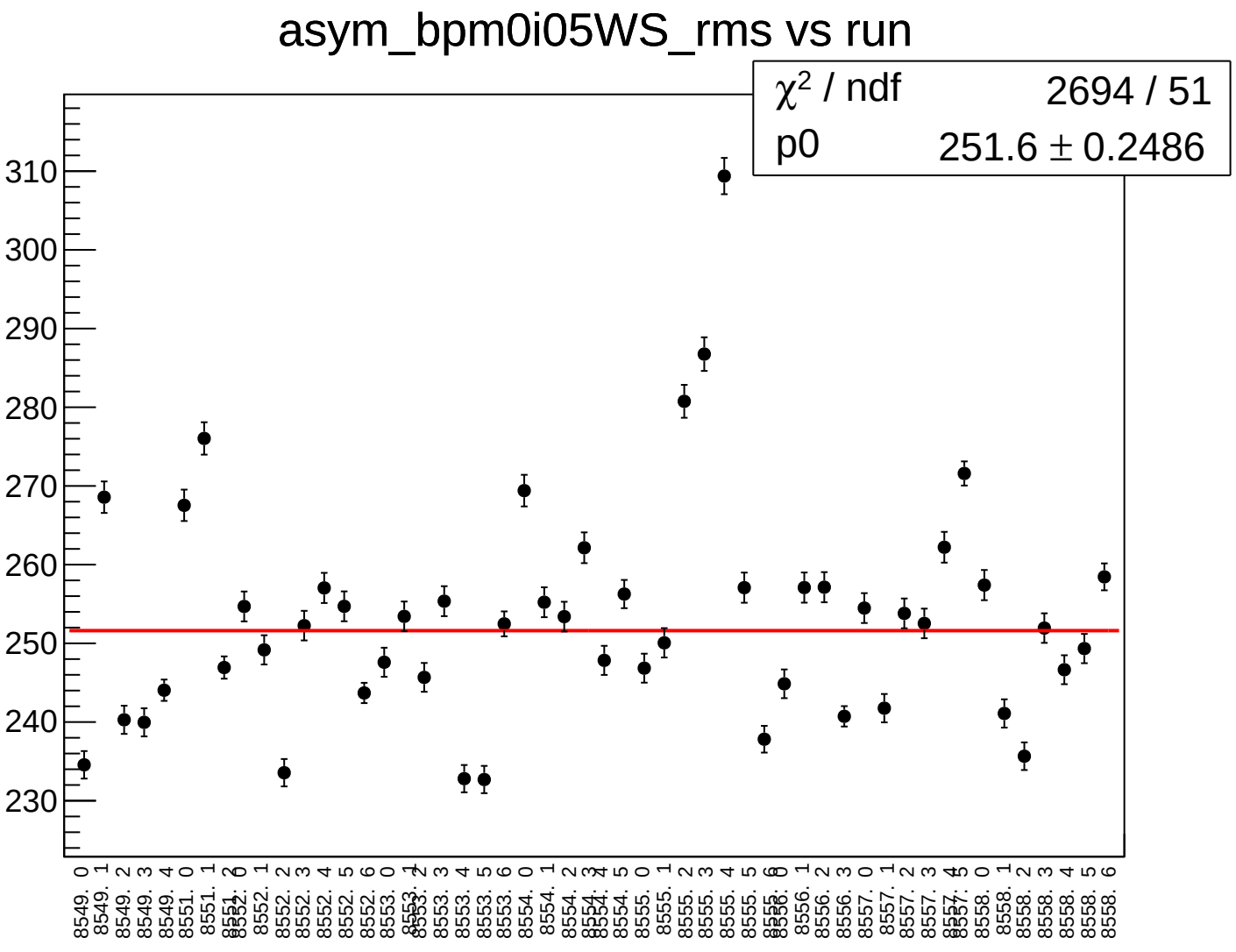

asym_bpm0i02aWS_mean vs run
χ² / ndf 427.3 / 51
p0 −1.704e+04 ± 313
pull
Entries 52
Mean −124.3
Std Dev 0


pull1D
Entries 52
Mean 0.1955
Std Dev 2.607


asym_bpm0i02aWS_rms vs run
χ² / ndf 1896 / 51
p0 224.1 ± 0.2213
250
240
230
220
210
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 5
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6


asym_bpm0i05WS_mean vs run
χ² / ndf 327.9 / 51
p0 −1.632e+04 ± 351.6
pull
Entries 52
Mean 157.1
Std Dev 0


pull1D
Entries 52
Mean −0.1566
Std Dev 2.216


asym_bpm0i05WS_rms vs run
χ² / ndf 2694 / 51
p0 251.6 ± 0.2486
310
300
290
280
270
260
250
240
230
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
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8556. 1
8556. 2
8556. 3
8557. 0
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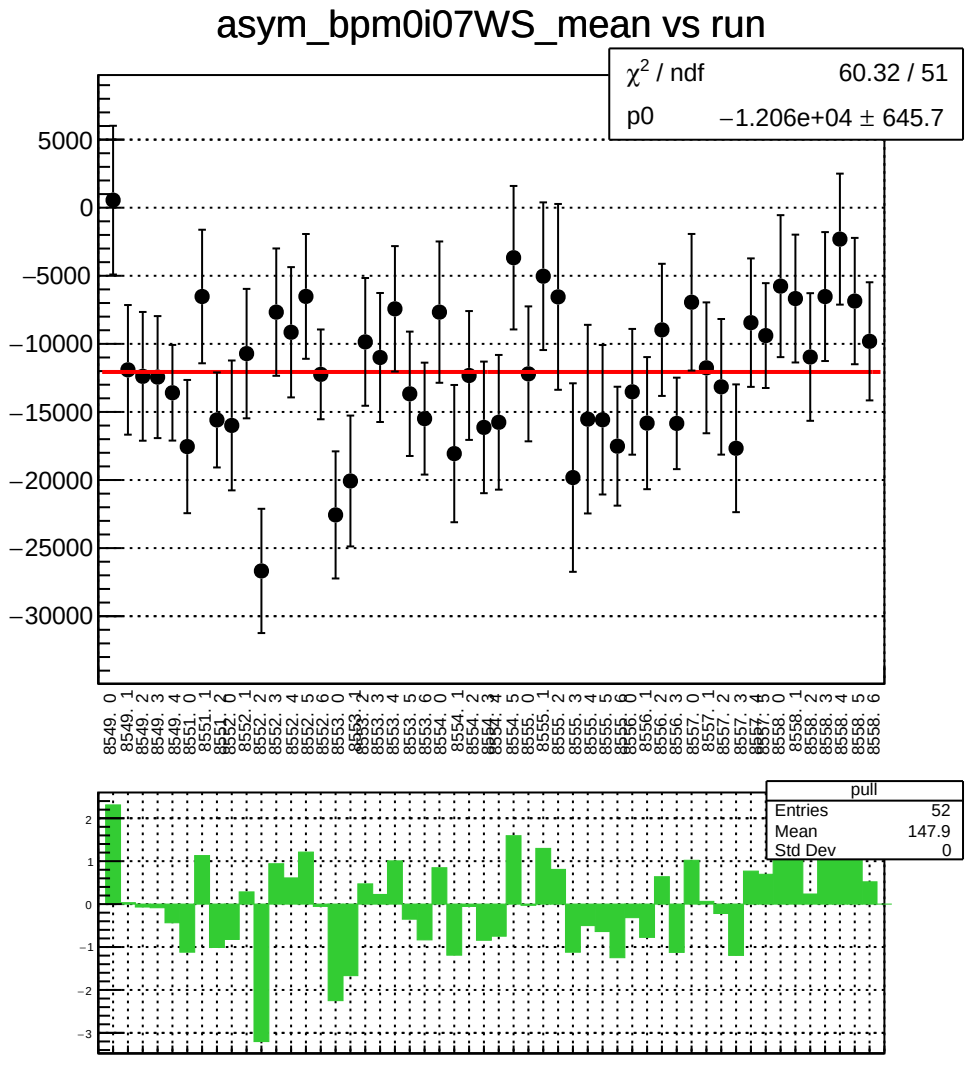
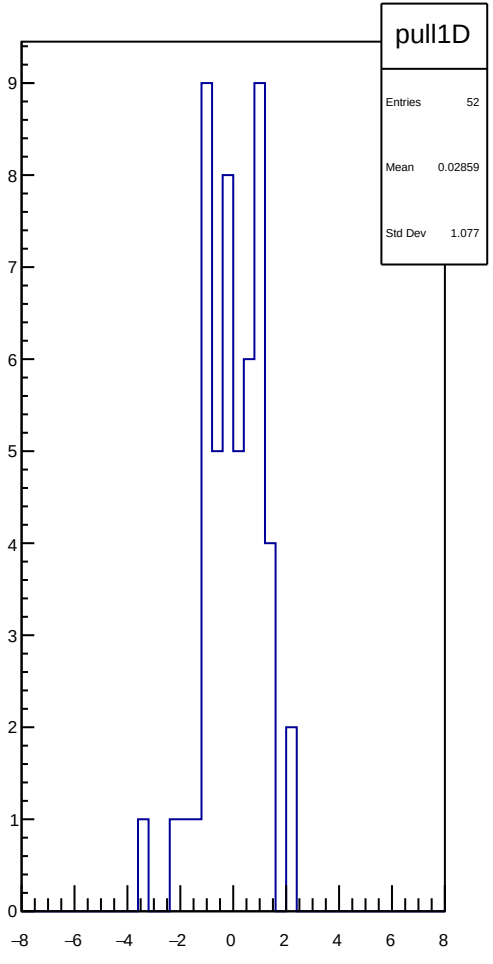
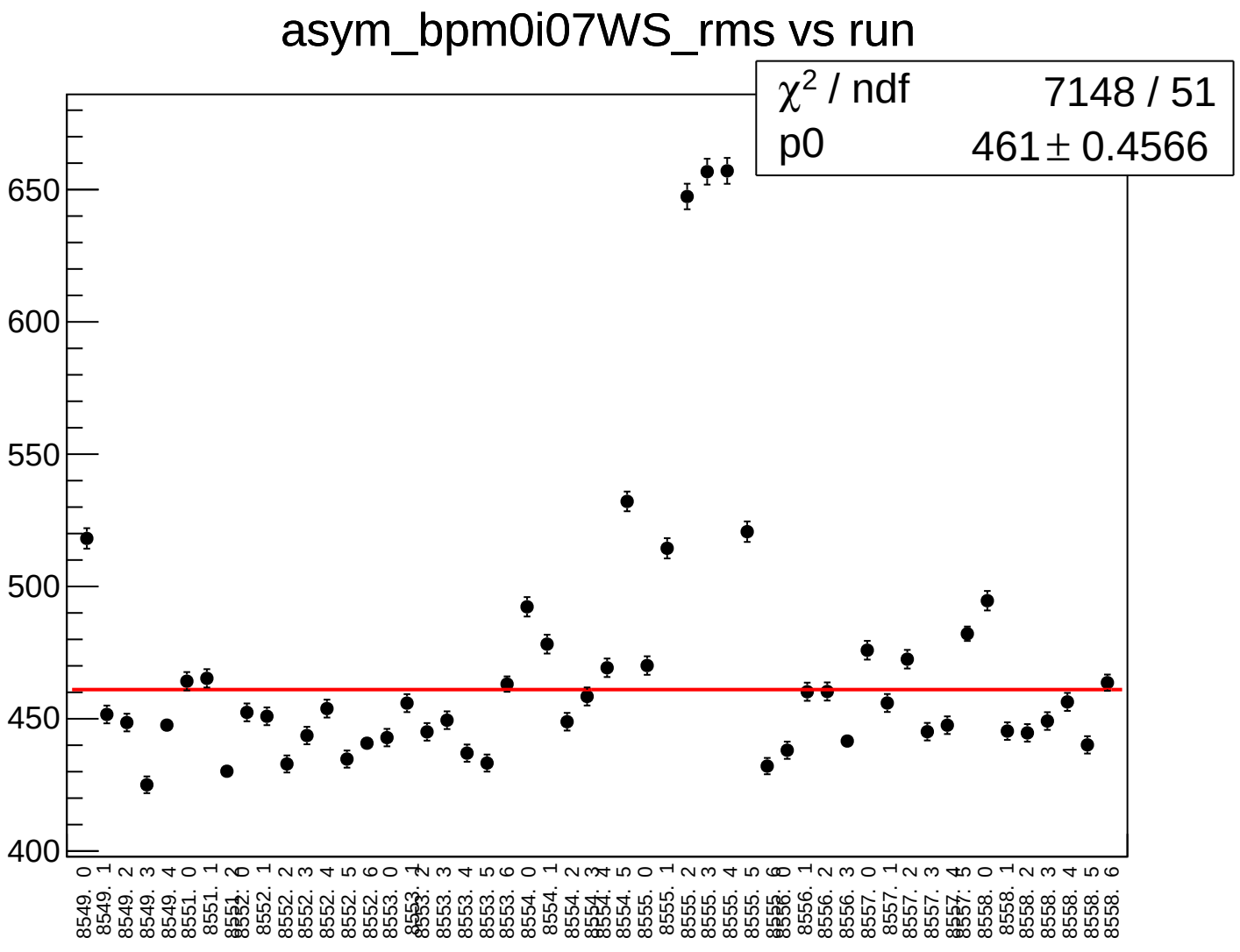
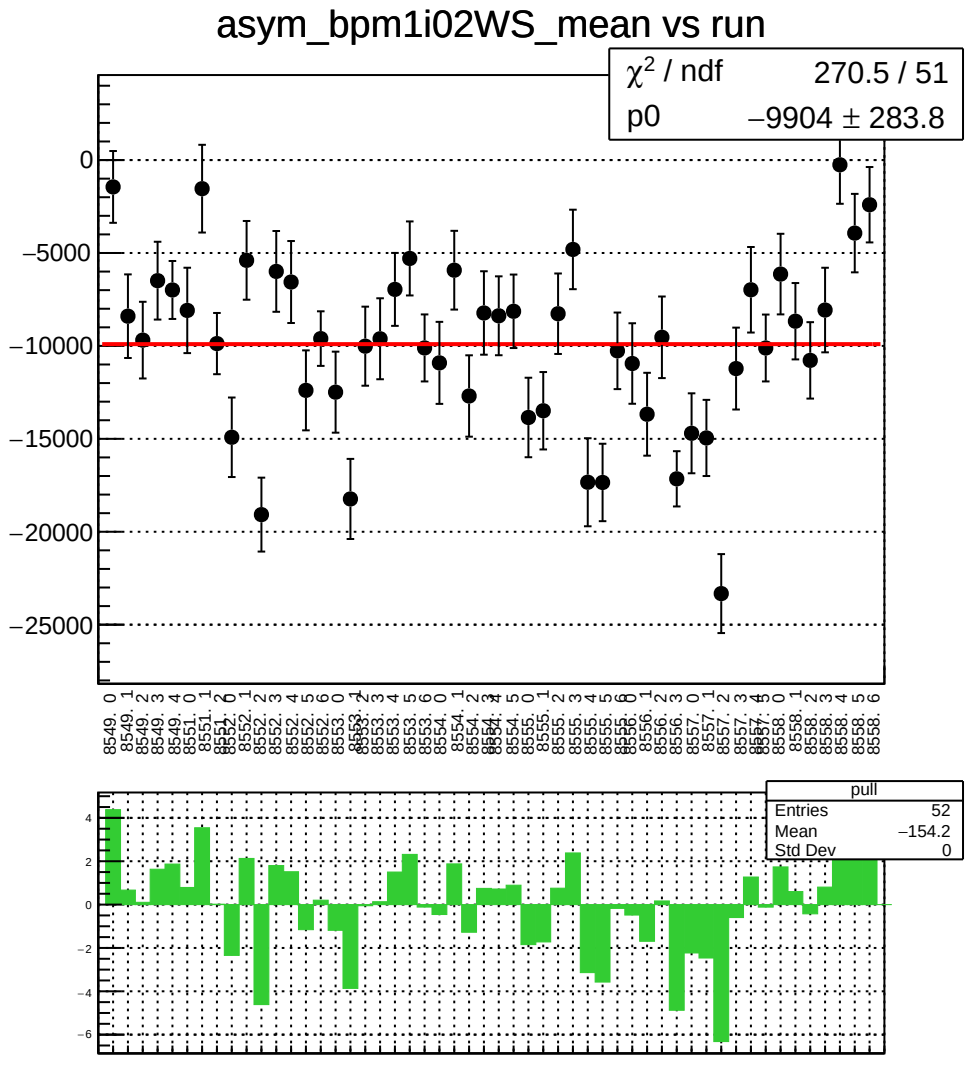
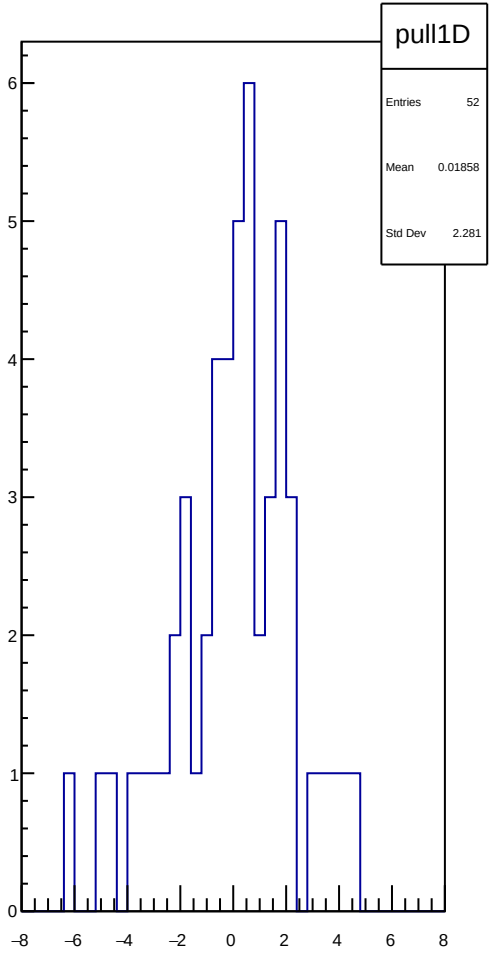
8558. 5
8558. 6

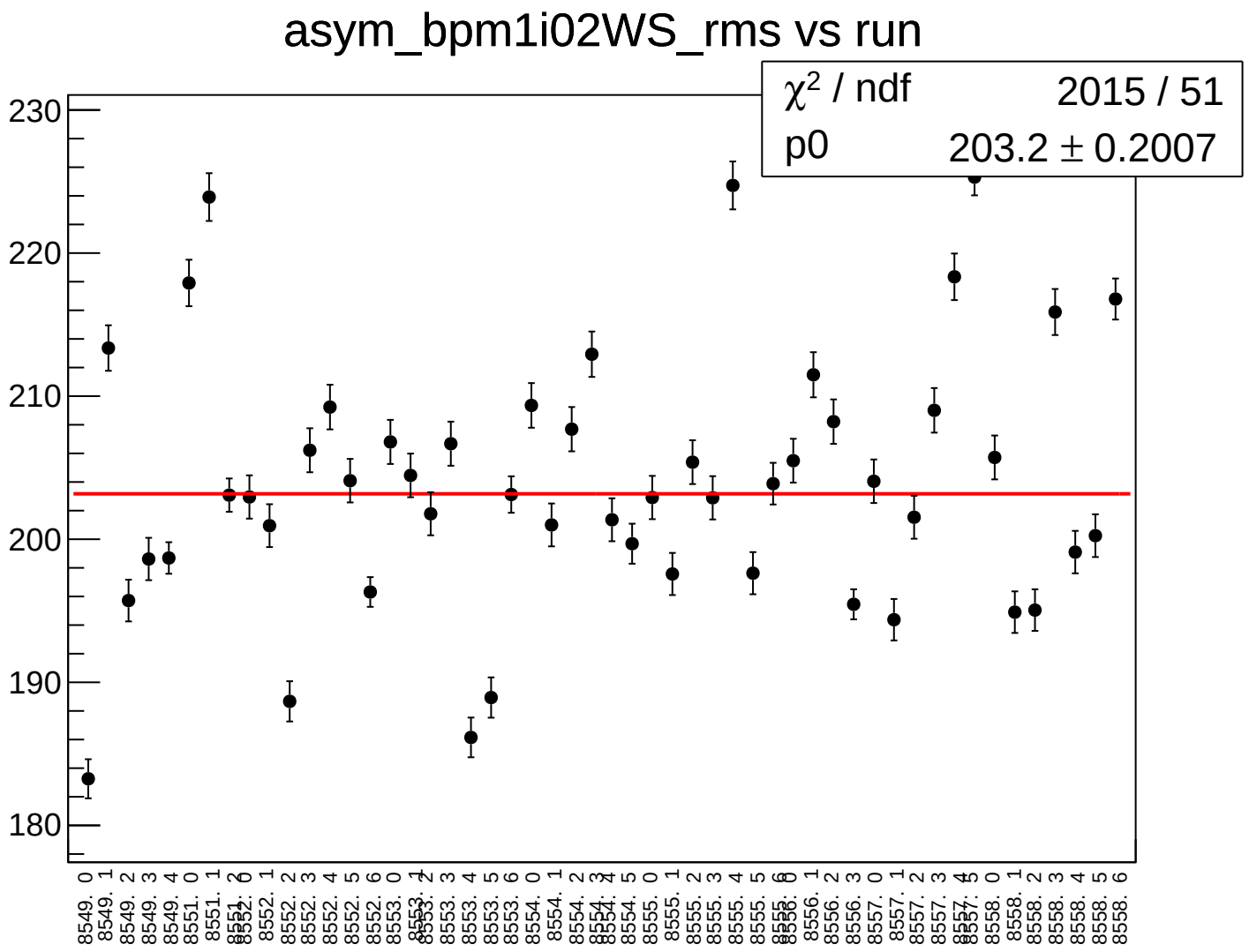

asym_bpm0i07WS_mean vs run
χ² / ndf 60.32 / 51
p0 −1.206e+04 ± 645.7
pull
Entries 52
Mean 147.9
Std Dev 0

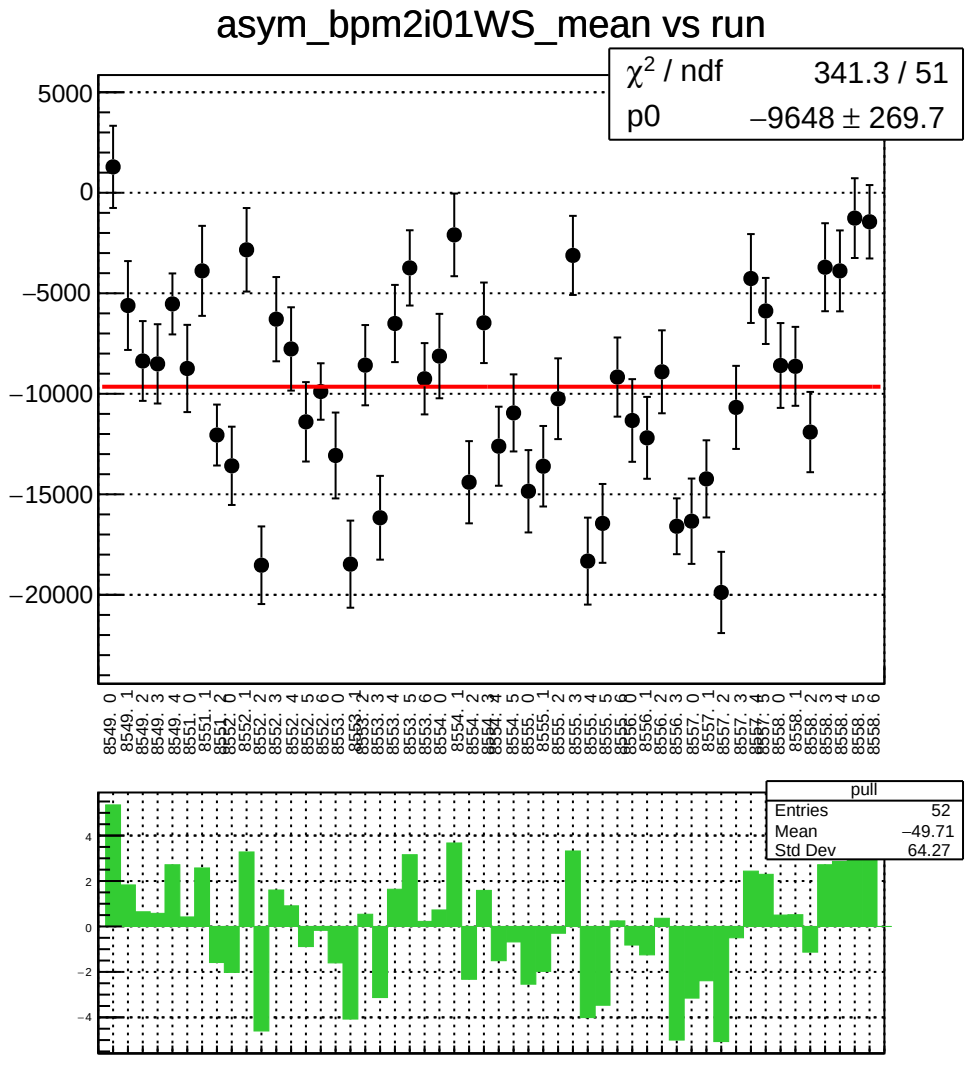

pull1D
Entries 52
Mean 0.02859
Std Dev 1.077

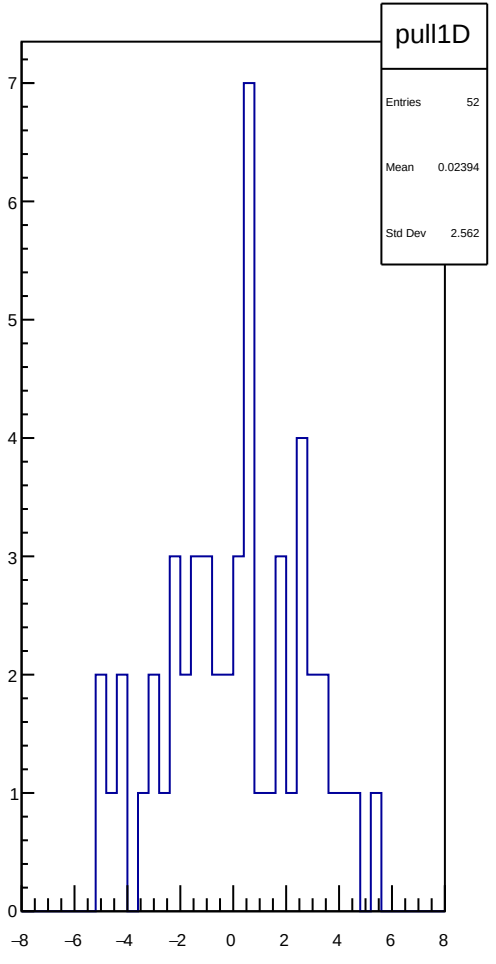

asym_bpm0i07WS_rms vs run
χ² / ndf 7148 / 51
p0 461 ± 0.4566
650
600
550
500
450
400
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 5
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

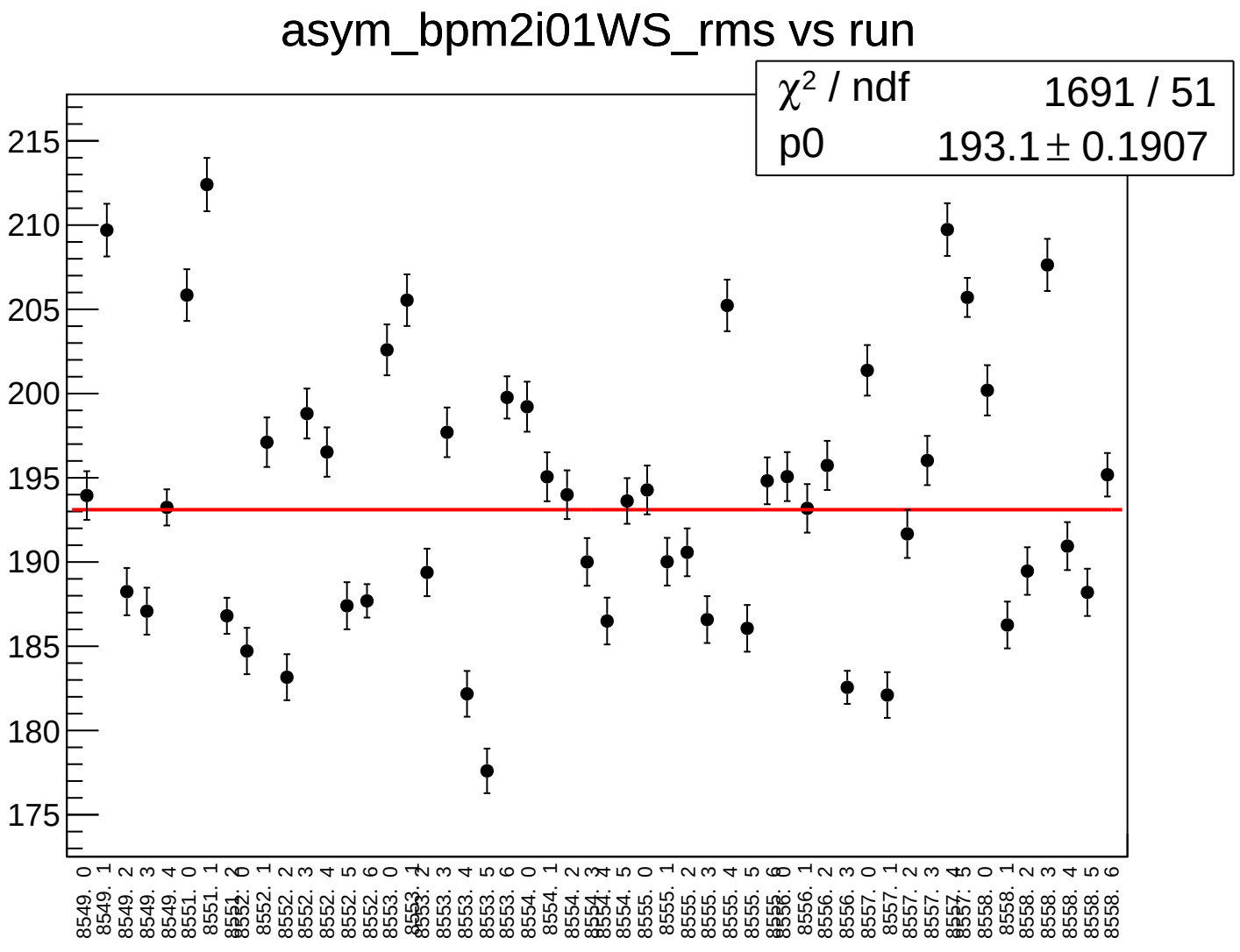

asym_bpm1i02WS_mean vs run
χ² / ndf 270.5 / 51
p0 −9904 ± 283.8
0
−5000
−10000
−15000
−20000
−25000
pull
Entries 52
Mean −154.2
Std Dev 0
4
2
0
−2
−4
−6


pull1D
Entries 52
Mean 0.01858
Std Dev 2.281
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


asym_bpm1i02WS_rms vs run
χ² / ndf 2015 / 51
p0 203.2 ± 0.2007
230
220
210
200
190
180
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6


asym_bpm2i01WS_mean vs run
χ² / ndf 341.3 / 51
p0 −9648 ± 269.7
5000
0
−5000
−10000
−15000
−20000
pull
Entries 52
Mean −49.71
Std Dev 64.27
4
2
0
−2
−4


pull1D
Entries 52
Mean 0.02394
Std Dev 2.562
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


asym_bpm2i01WS_rms vs run
χ² / ndf 1691 / 51
p0 193.1 ± 0.1907
215
210
205
200
195
190
185
180
175
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 2
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 5
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
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8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
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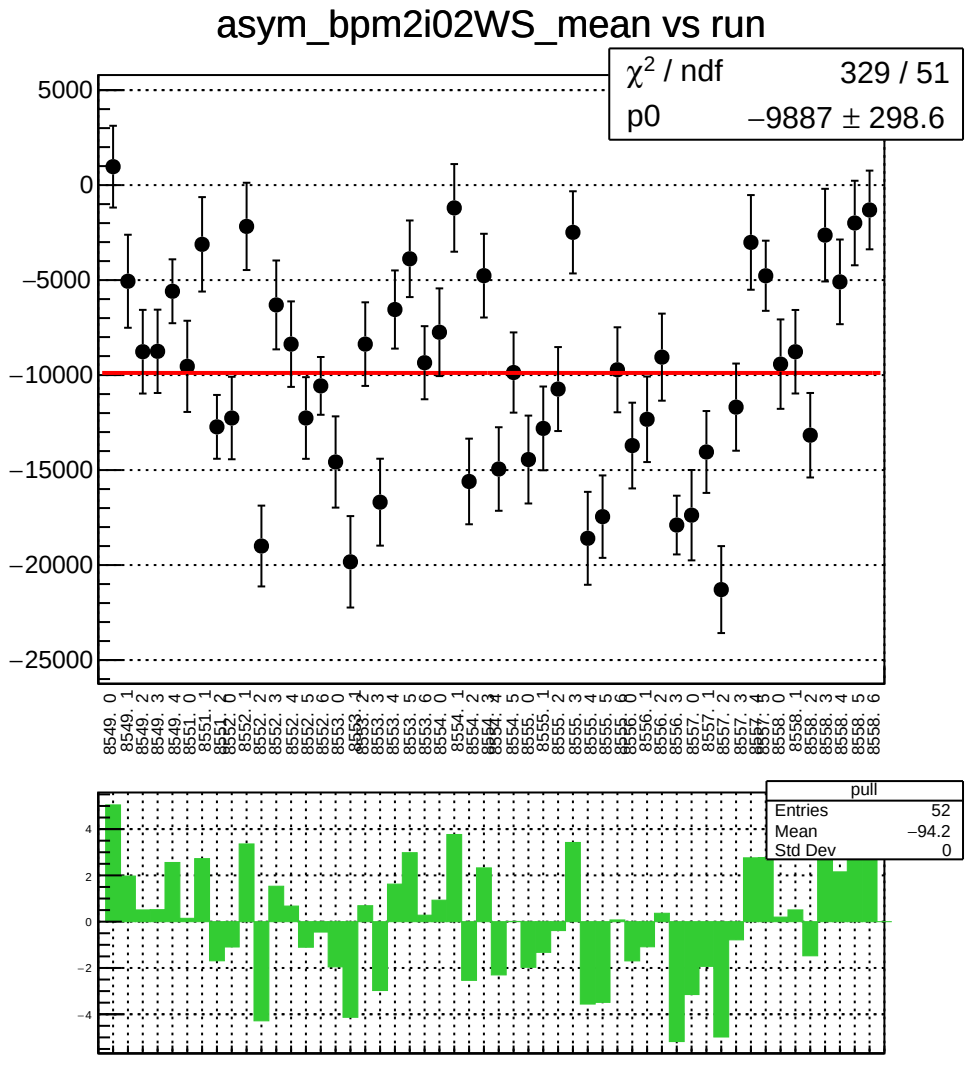
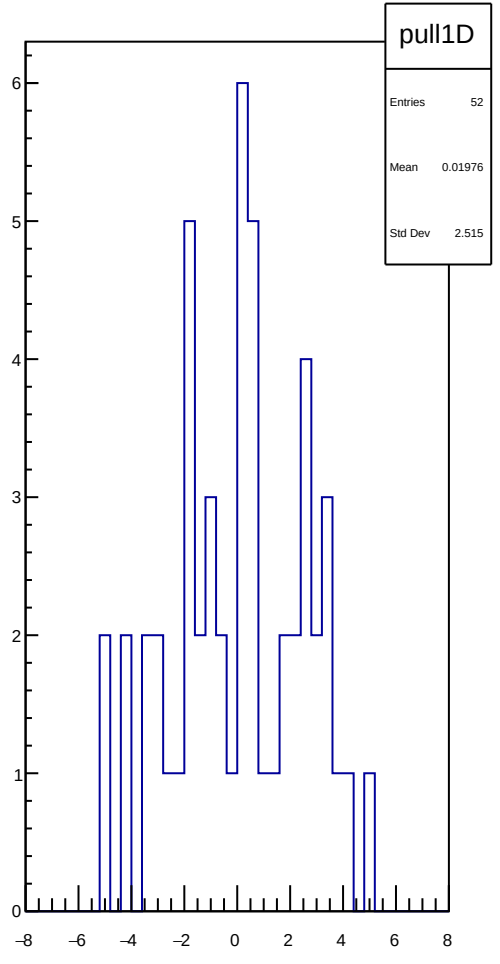
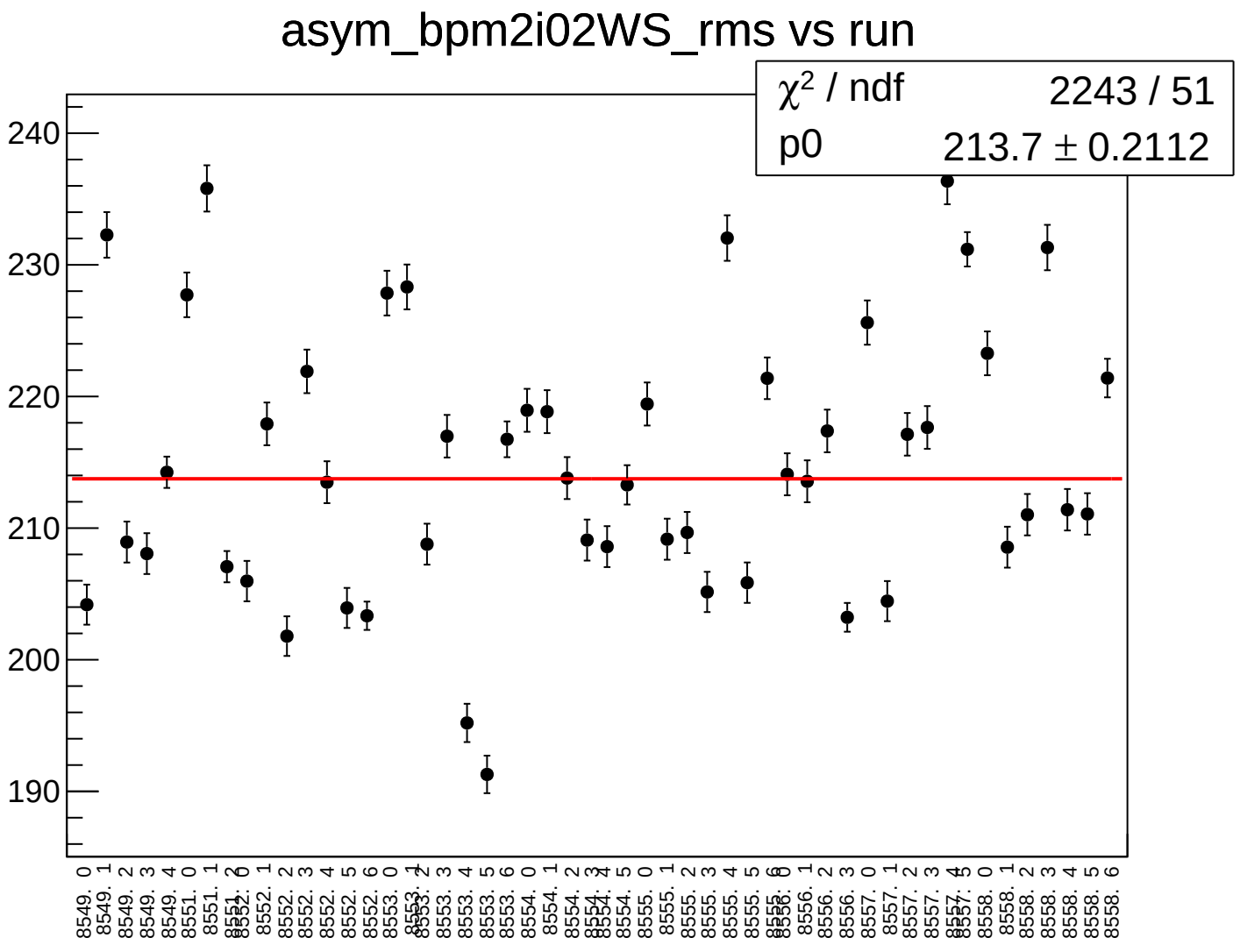
8558. 5
8558. 6


asym_bpm2i02WS_mean vs run
χ^2 / ndf 329 / 51
p0 −9887 ± 298.6
pull
Entries 52
Mean −94.2
Std Dev 0


pull1D
Entries 52
Mean 0.01976
Std Dev 2.515


asym_bpm2i02WS_rms vs run
χ² / ndf 2243 / 51
p0 213.7 ± 0.2112
240
230
220
210
200
190
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
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8556. 2
8556. 3
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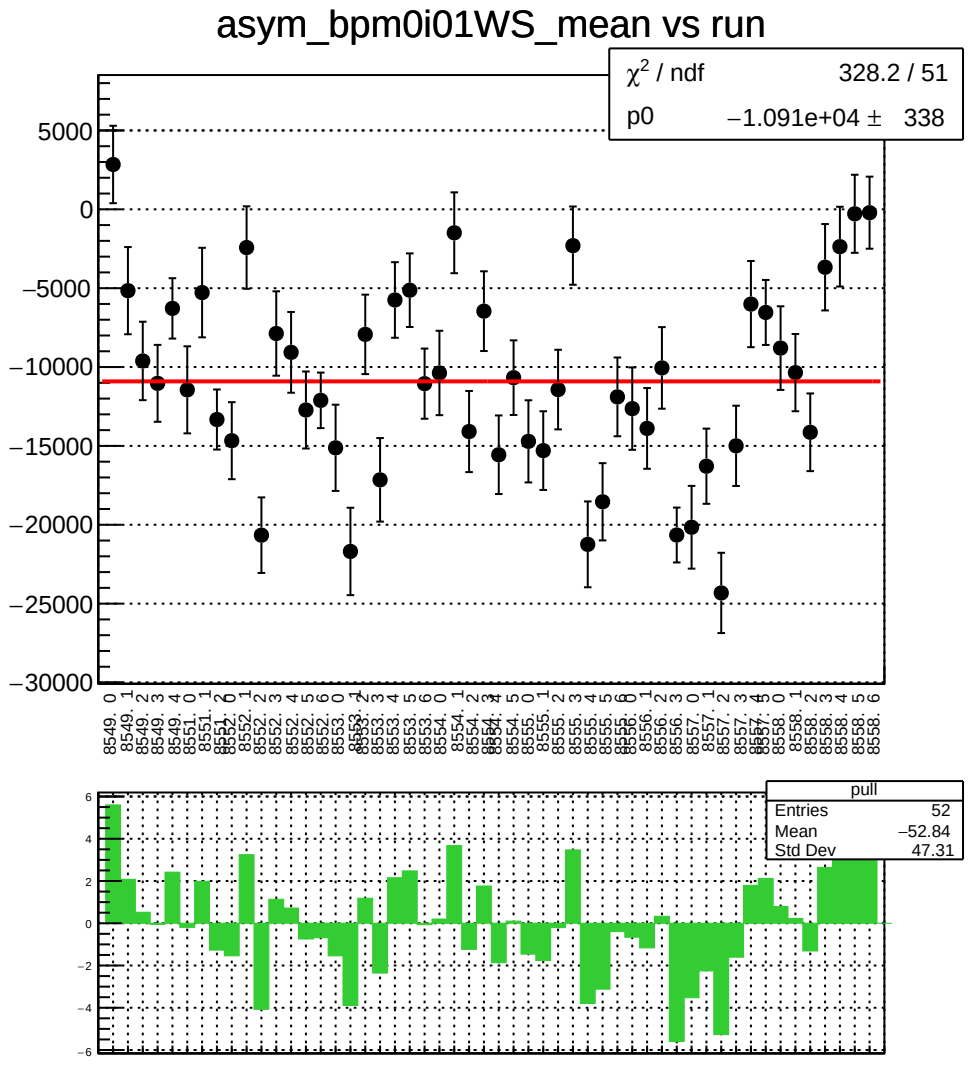
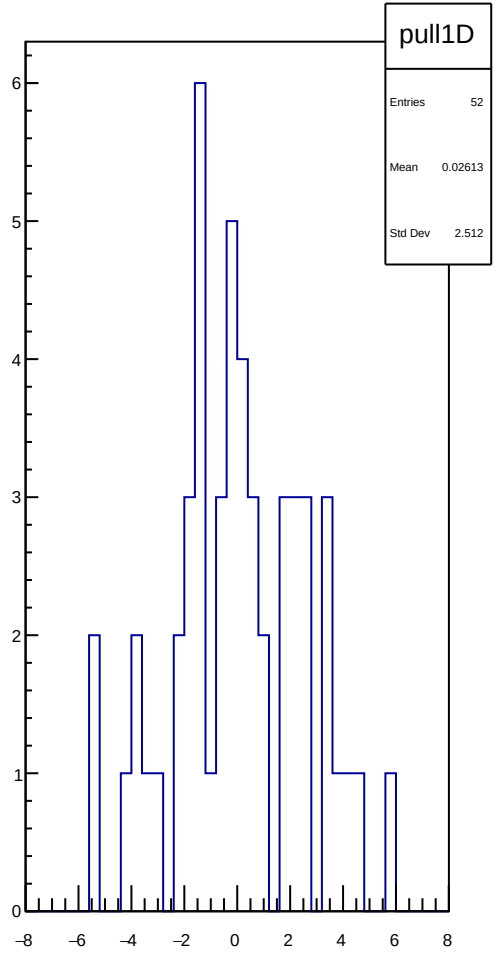
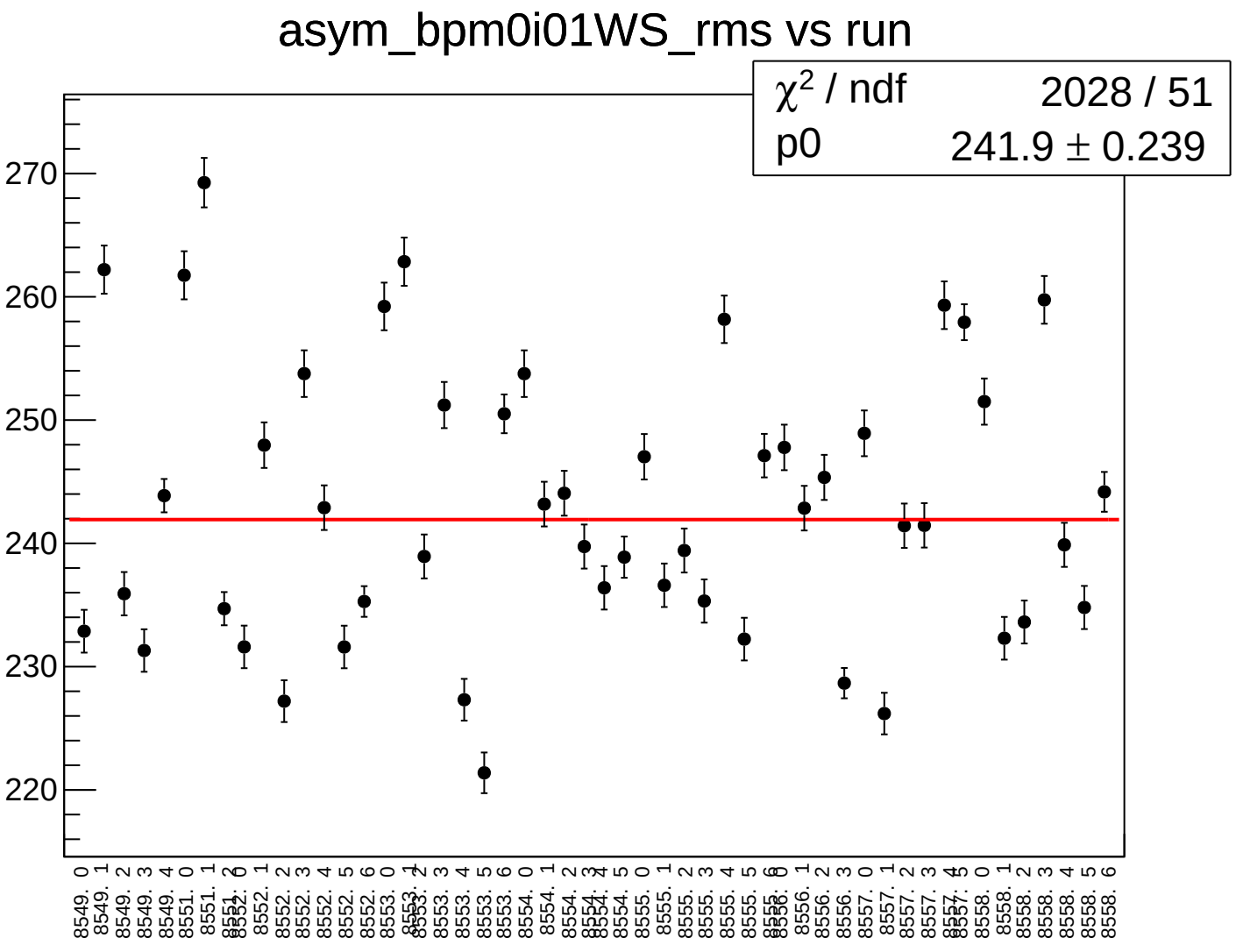
8558. 6


asym_bpm0i01WS_mean vs run
χ² / ndf 328.2 / 51
p0 −1.091e+04 ± 338
pull
Entries 52
Mean −52.84
Std Dev 47.31


pull1D
Entries 52
Mean 0.02613
Std Dev 2.512


asym_bpm0i01WS_rms vs run
χ² / ndf 2028 / 51
p0 241.9 ± 0.239
270
260
250
240
230
220
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
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8554. 2
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
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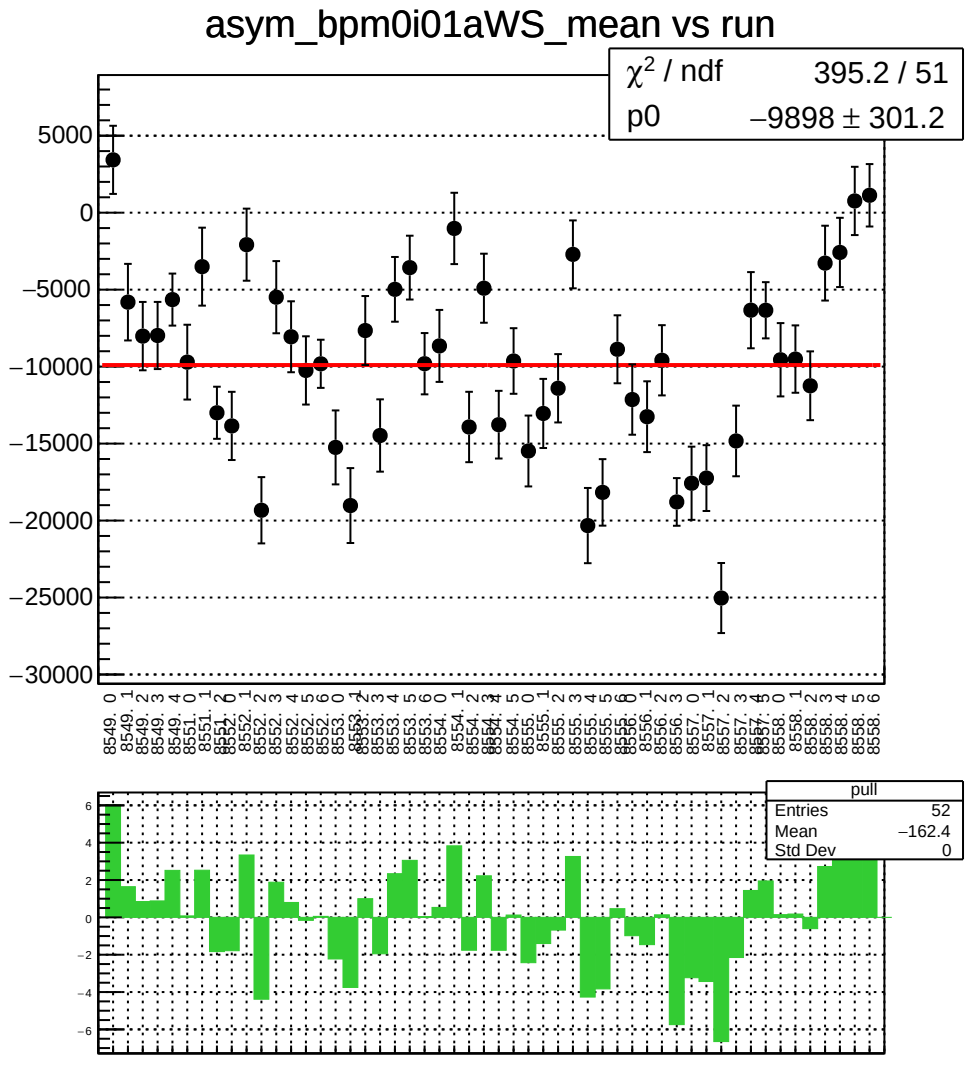
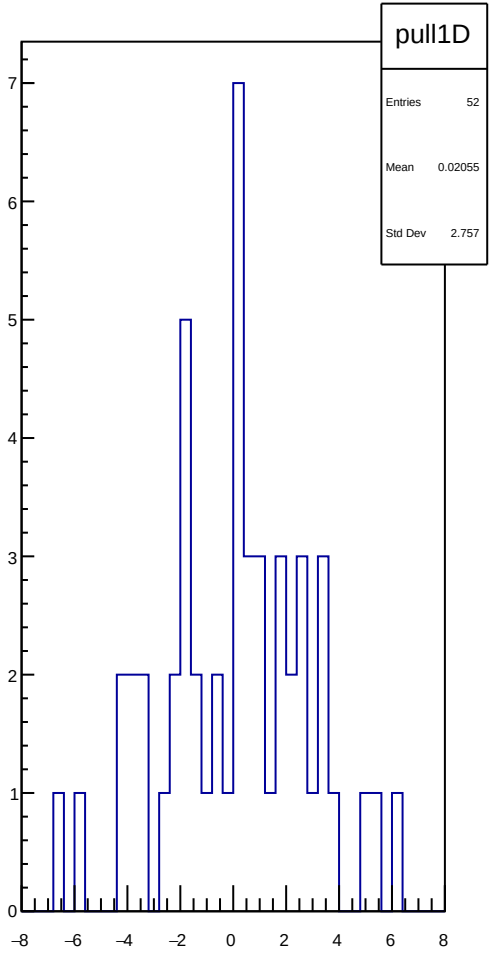
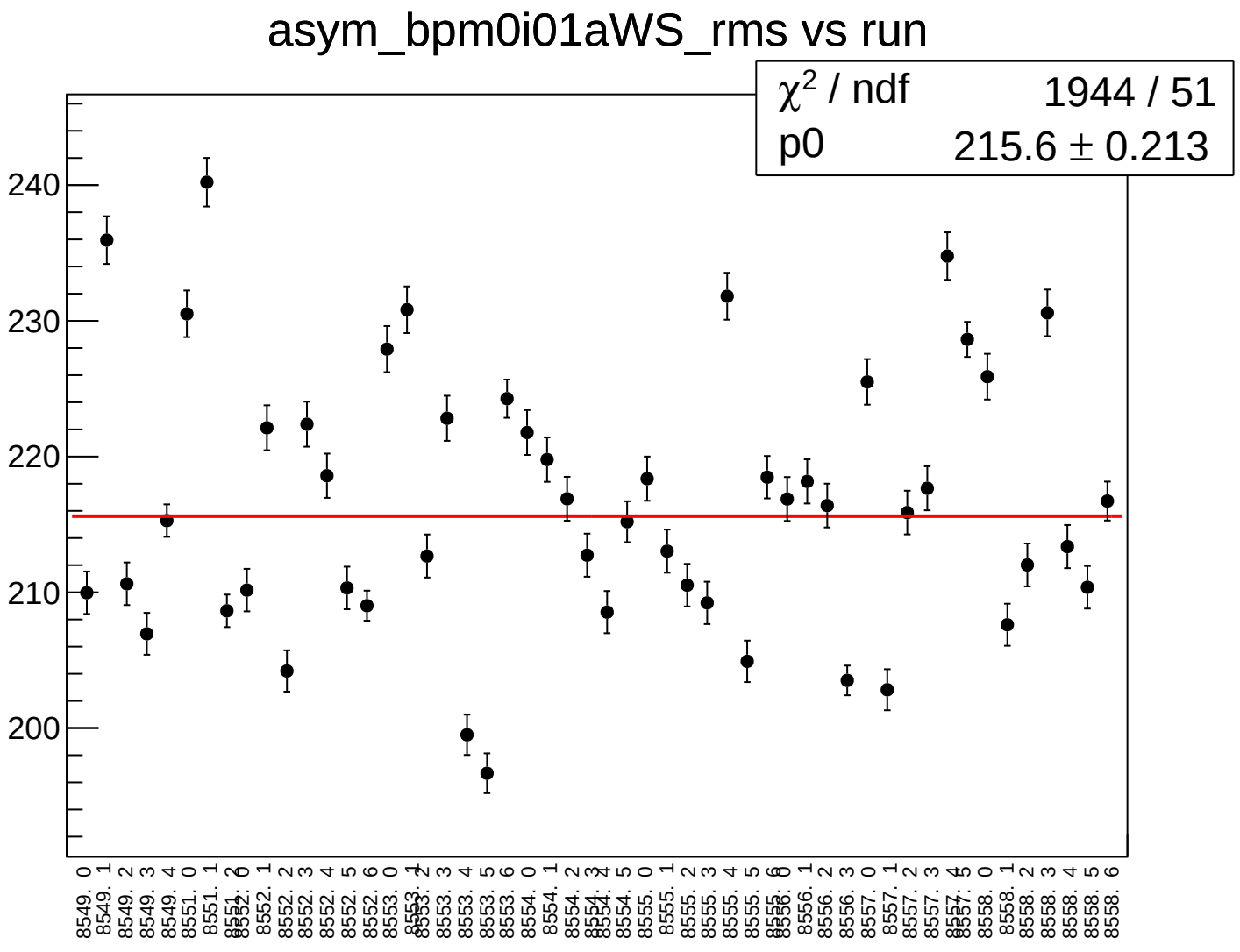
8558. 5
8558. 6


asym_bpm0i01aWS_mean vs run
χ² / ndf 395.2 / 51
p0 −9898 ± 301.2
pull
Entries 52
Mean −162.4
Std Dev 0


pull1D
Entries 52
Mean 0.02055
Std Dev 2.757


asym_bpm0i01aWS_rms vs run
χ² / ndf 1944 / 51
p0 215.6 ± 0.213
240
230
220
210
200
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
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8553. 6
8554. 0
8554. 1
8554. 2
8554. 5
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8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
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8557. 3
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8558. 1
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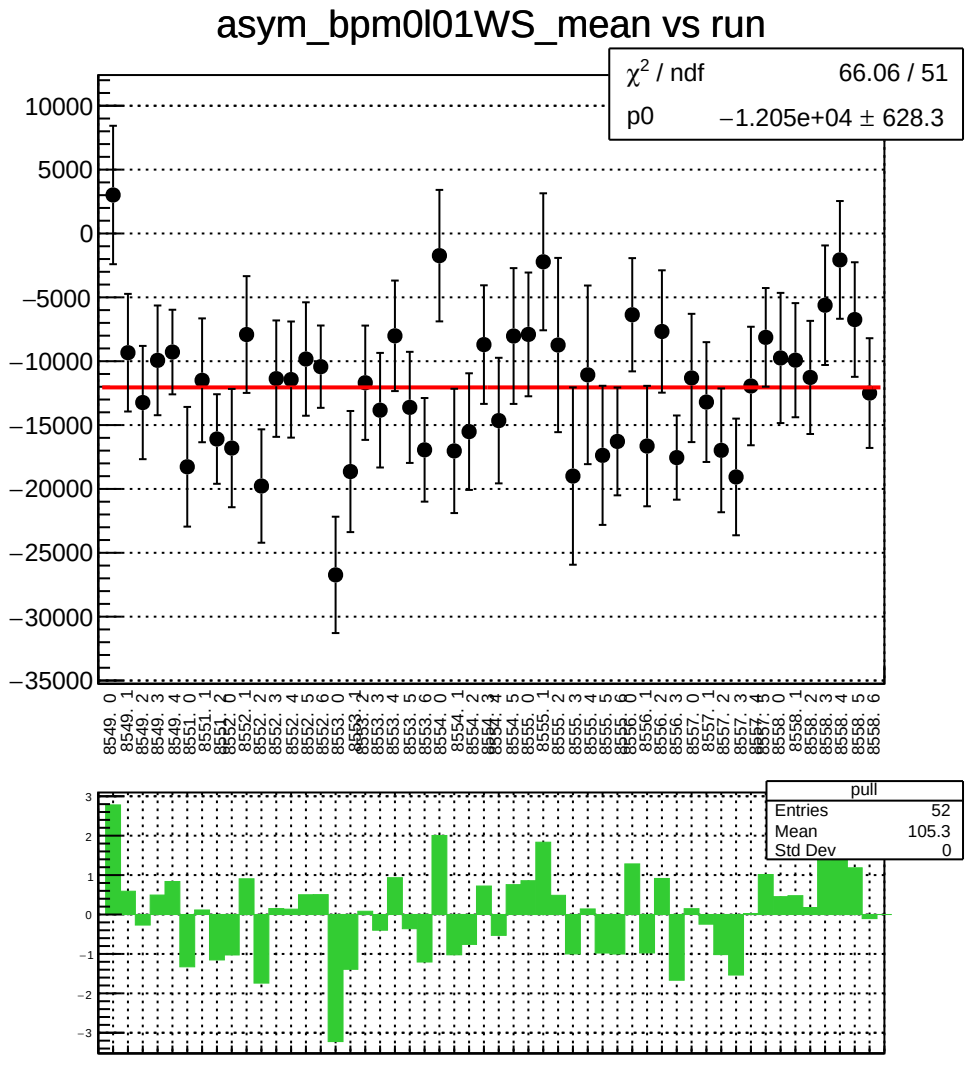
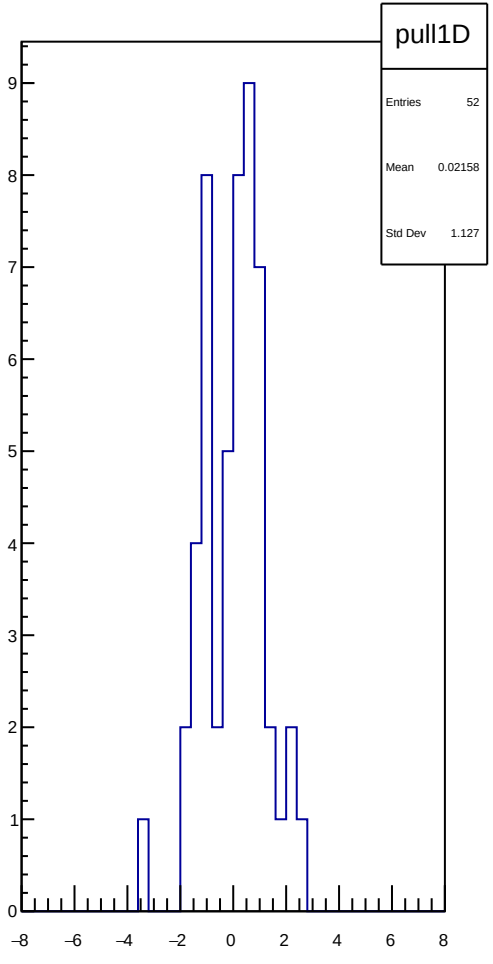
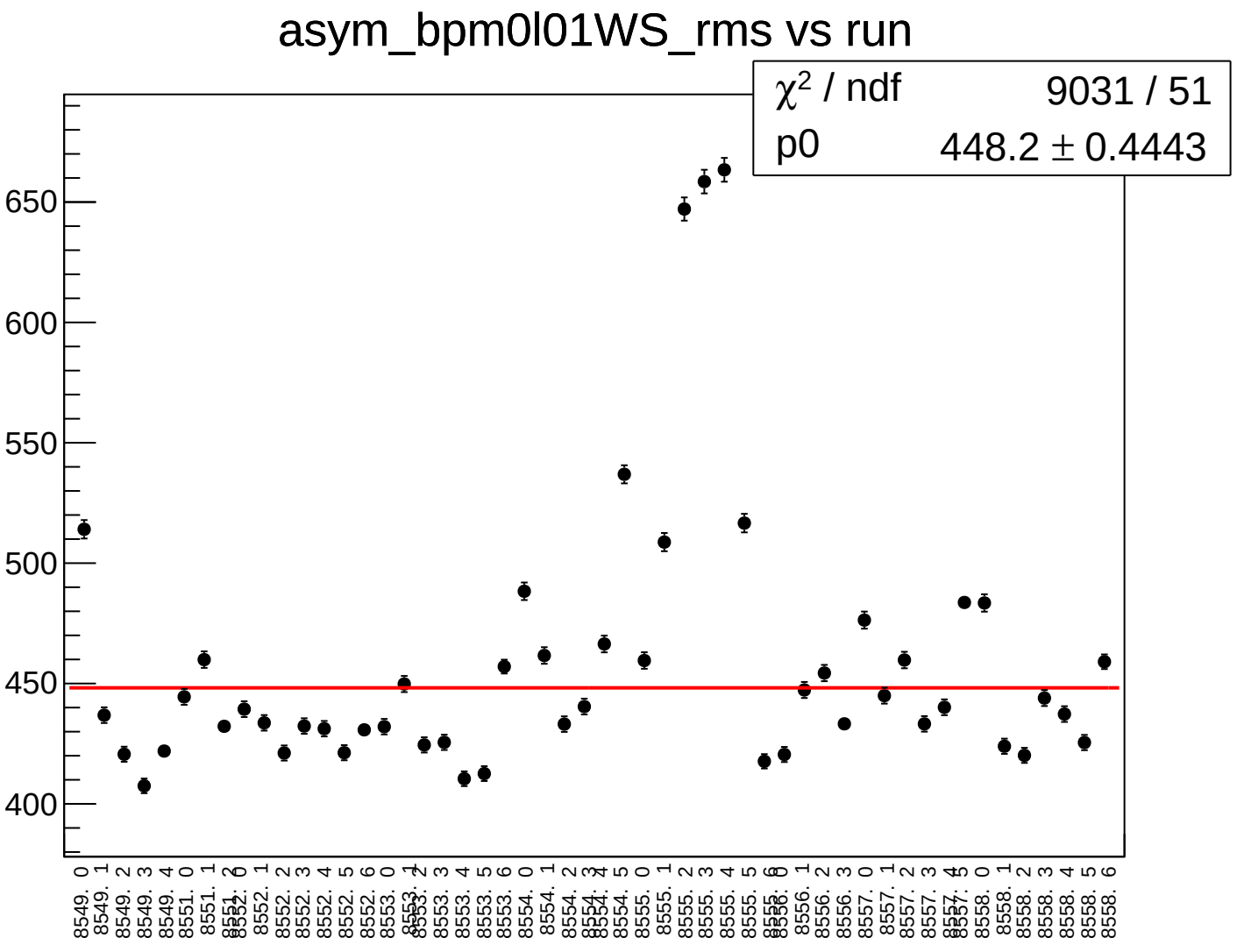
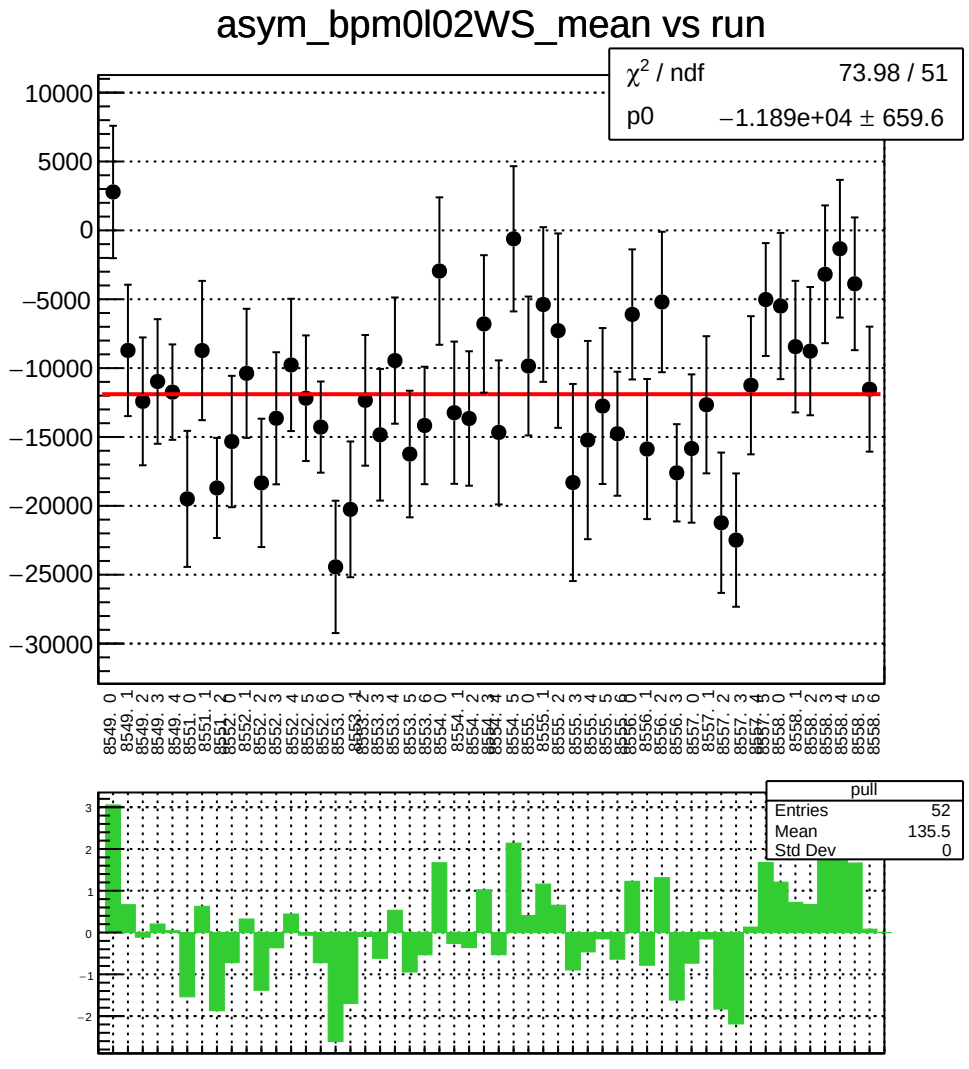
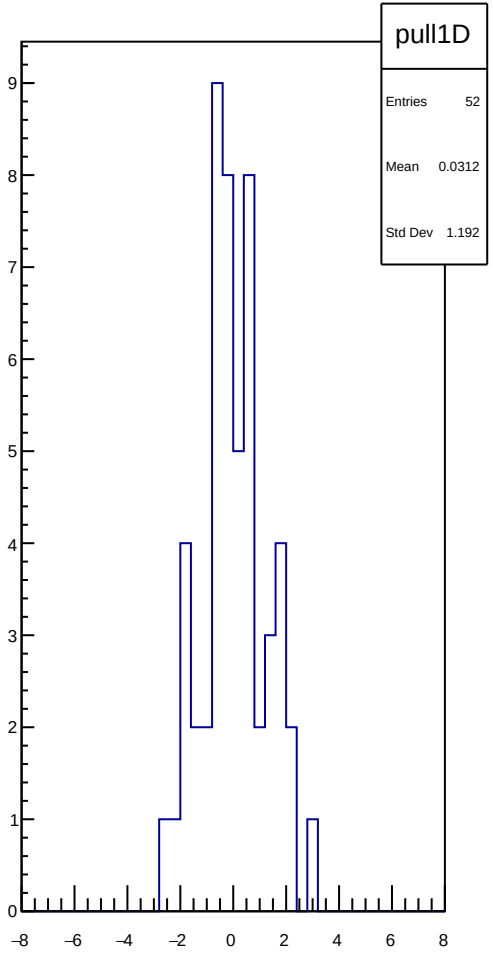
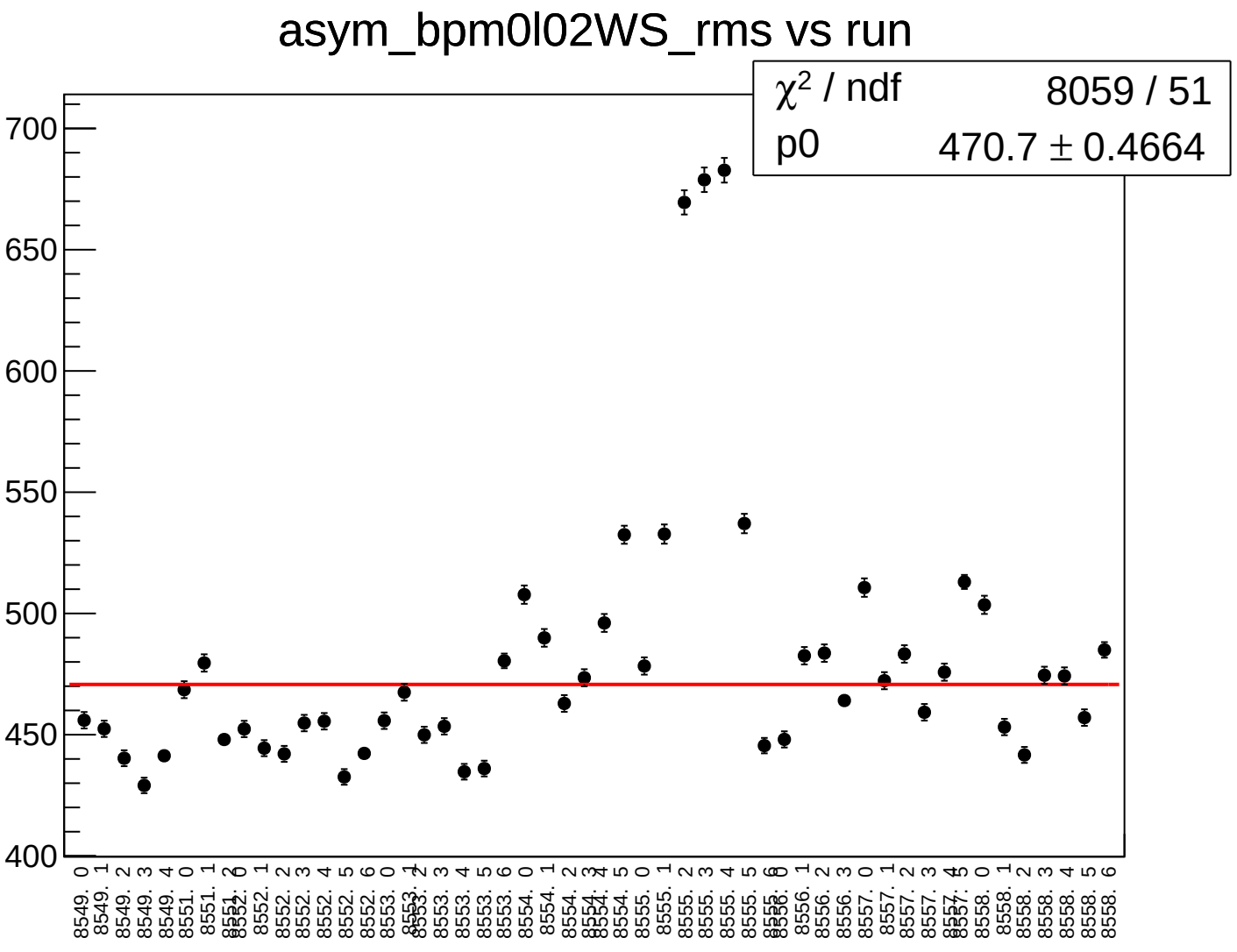

asym_bpm0l01WS_mean vs run
χ² / ndf 66.06 / 51
p0 −1.205e+04 ± 628.3
pull
Entries 52
Mean 105.3
Std Dev 0


pull1D
Entries 52
Mean 0.02158
Std Dev 1.127


asym_bpm0l01WS_rms vs run
χ² / ndf 9031 / 51
p0 448.2 ± 0.4443
650
600
550
500
450
400
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 5
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6


asym_bpm0l02WS_mean vs run
χ² / ndf 73.98 / 51
p0 −1.189e+04 ± 659.6
pull
Entries 52
Mean 135.5
Std Dev 0


pull1D
Entries 52
Mean 0.0312
Std Dev 1.192


asym_bpm0l02WS_rms vs run
χ² / ndf 8059 / 51
p0 470.7 ± 0.4664
700
650
600
550
500
450
400
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 5
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
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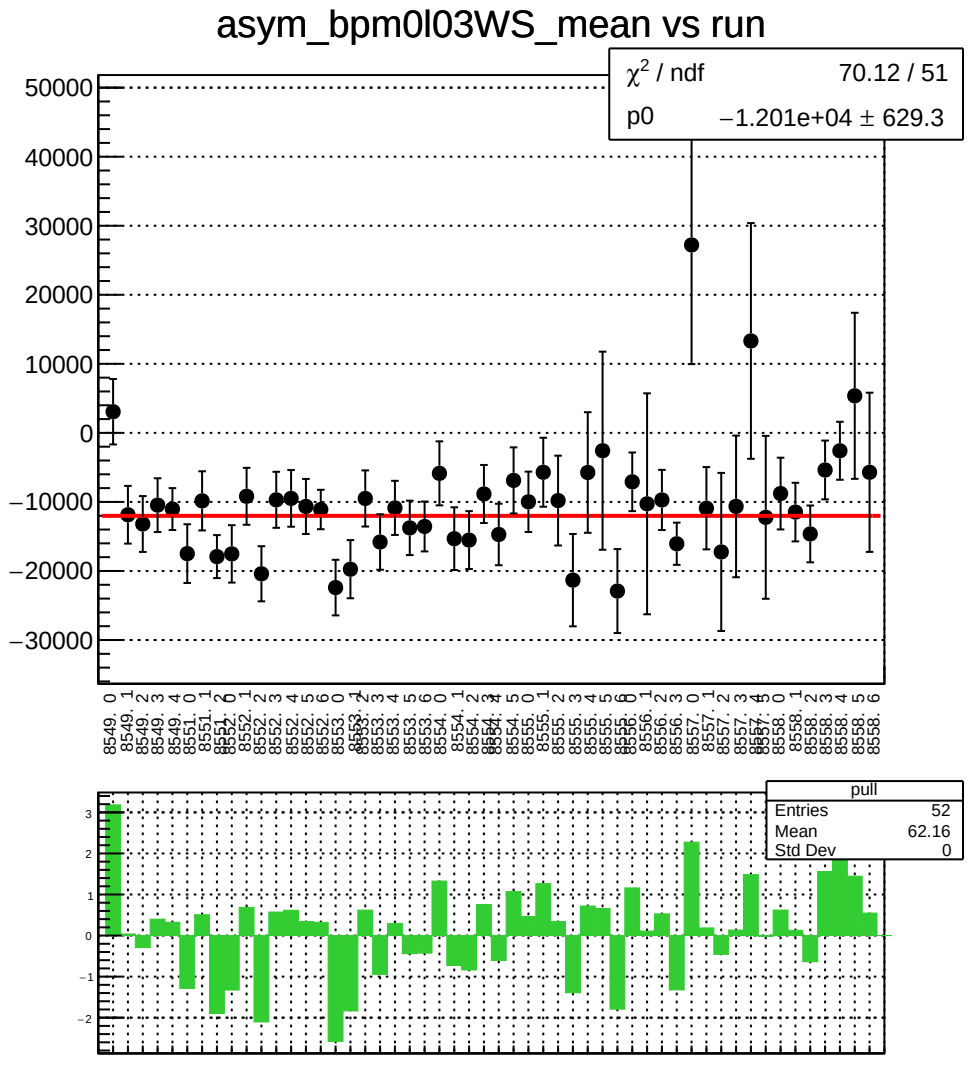
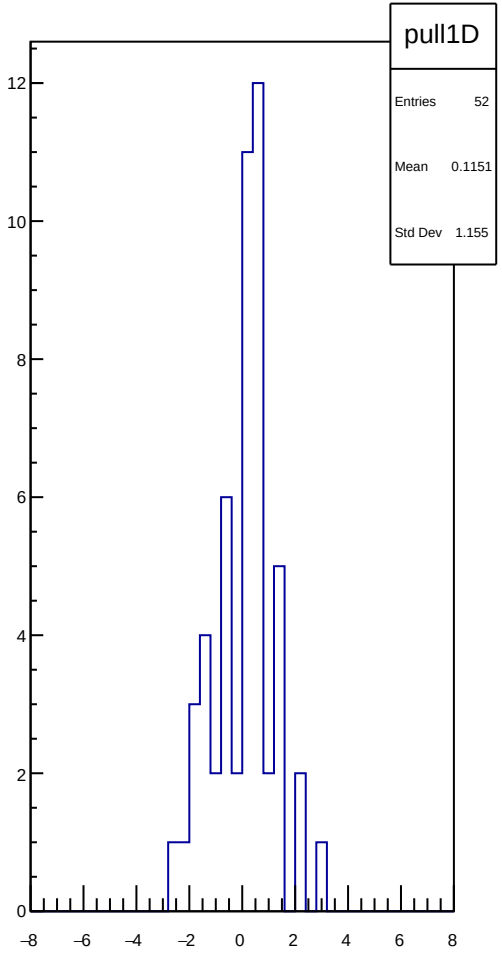
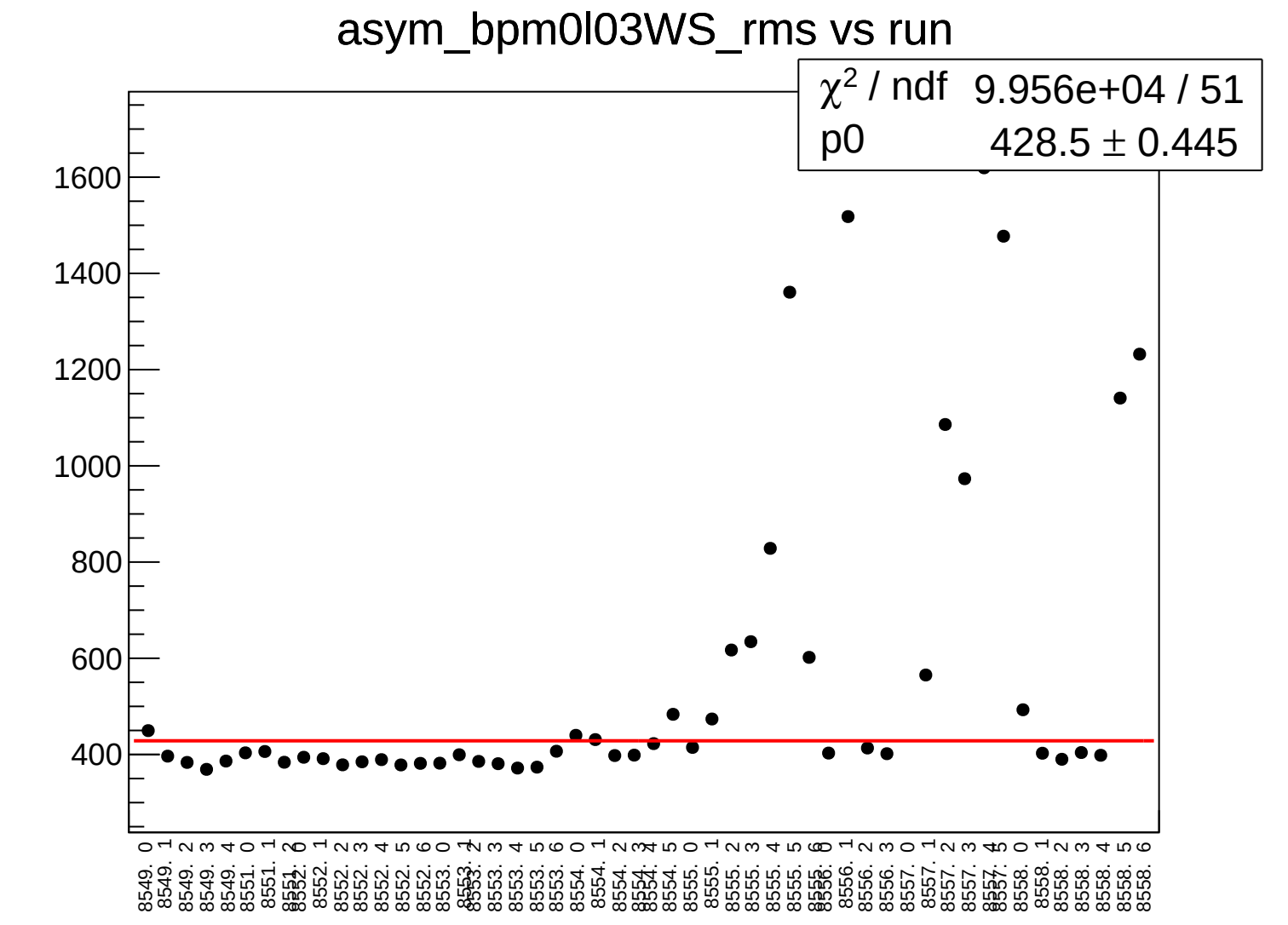
8558. 5
8558. 6


asym_bpm0l03WS_mean vs run
χ² / ndf 70.12 / 51
p0 −1.201e+04 ± 629.3
pull
Entries 52
Mean 62.16
Std Dev 0


pull1D
Entries 52
Mean 0.1151
Std Dev 1.155


asym_bpm0l03WS_rms vs run
χ² / ndf 9.956e+04 / 51
p0 428.5 ± 0.445
1600
1400
1200
1000
800
600
400
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
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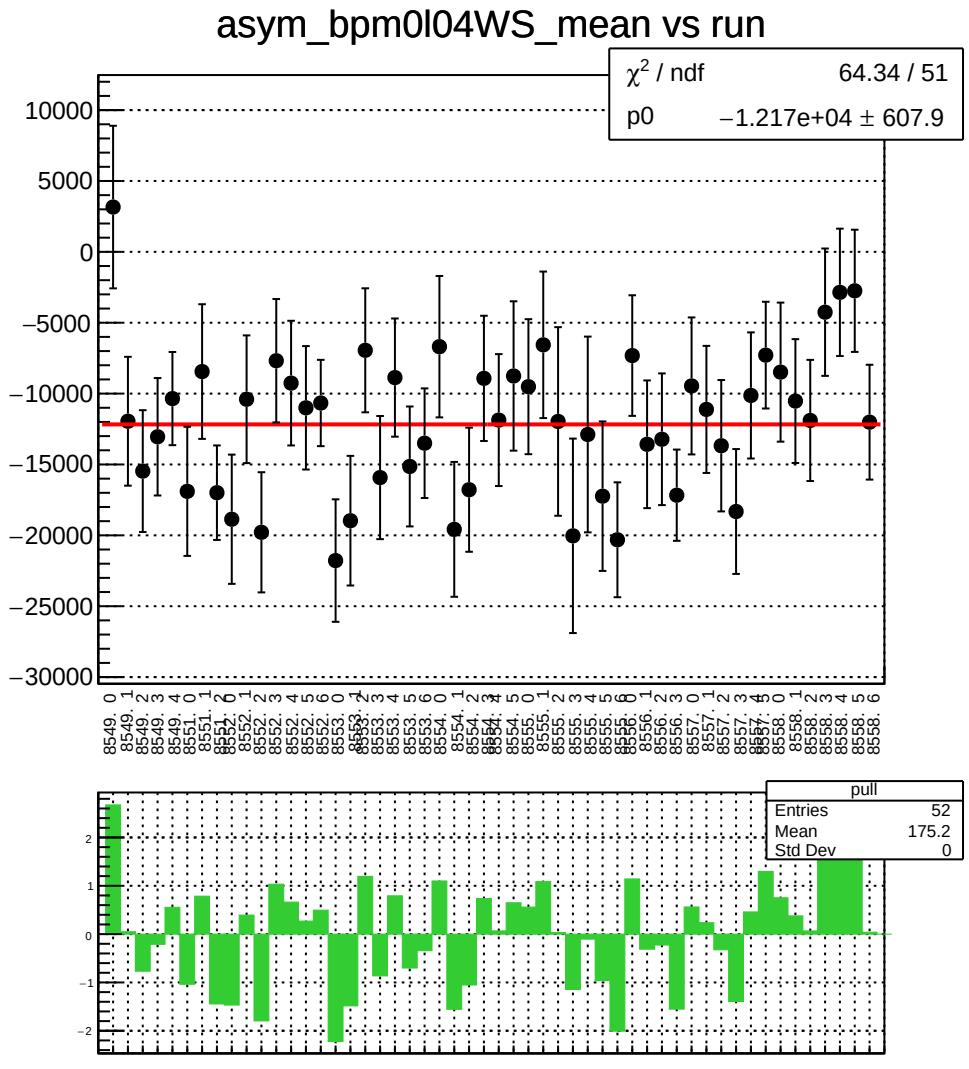
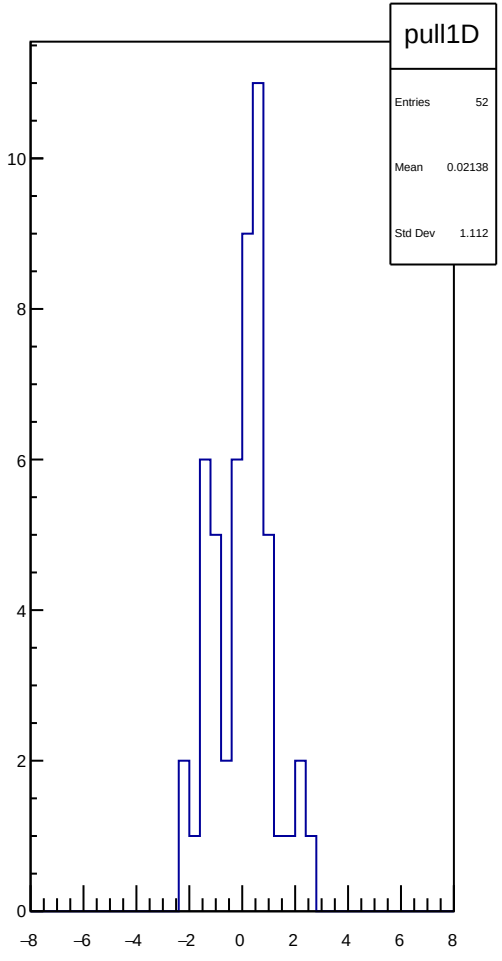
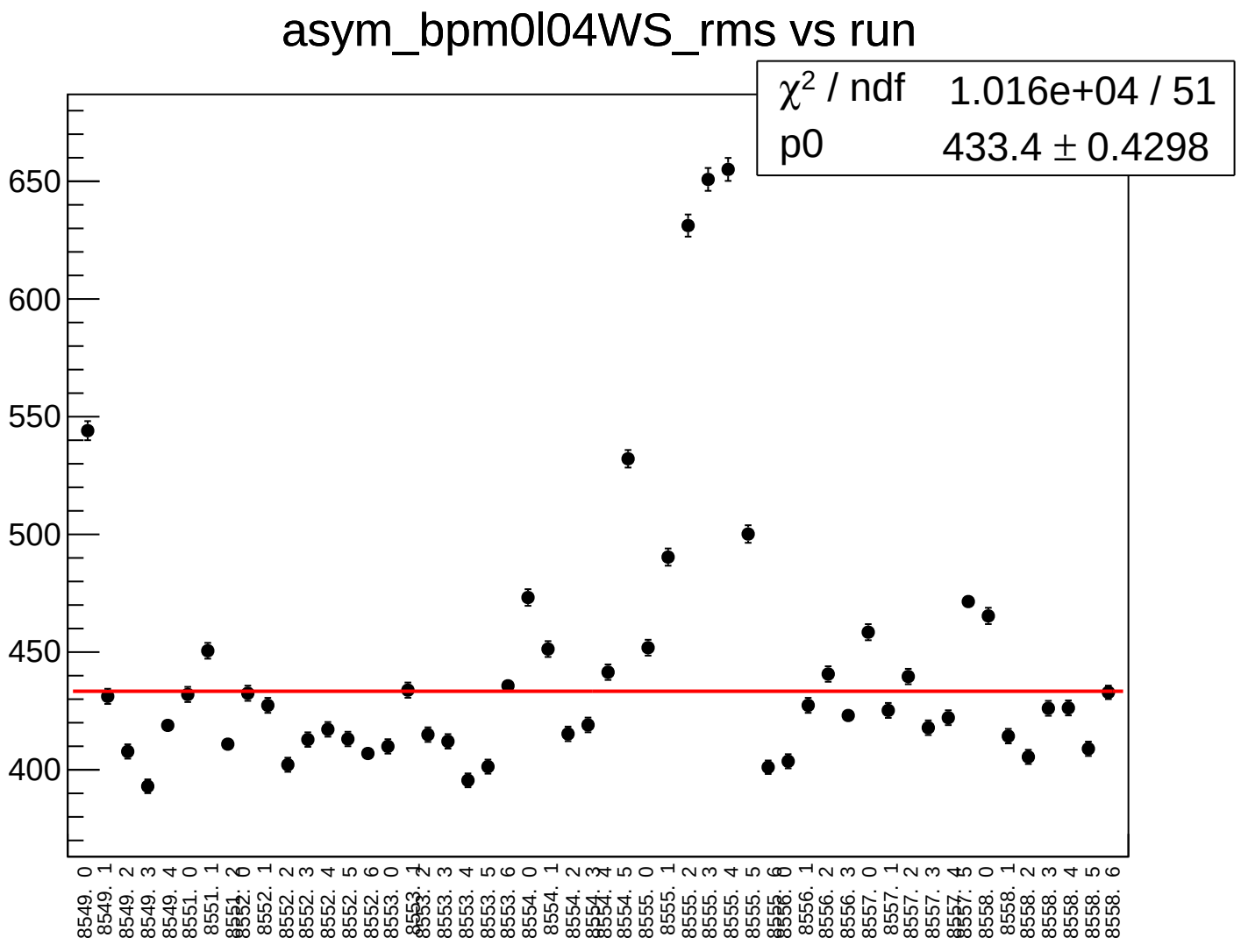
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6


asym_bpm0l04WS_mean vs run
χ² / ndf 64.34 / 51
p0 −1.217e+04 ± 607.9
pull
Entries 52
Mean 175.2
Std Dev 0


pull1D
Entries 52
Mean 0.02138
Std Dev 1.112


asym_bpm0l04WS_rms vs run
χ² / ndf 1.016e+04 / 51
p0 433.4 ± 0.4298
650
600
550
500
450
400
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
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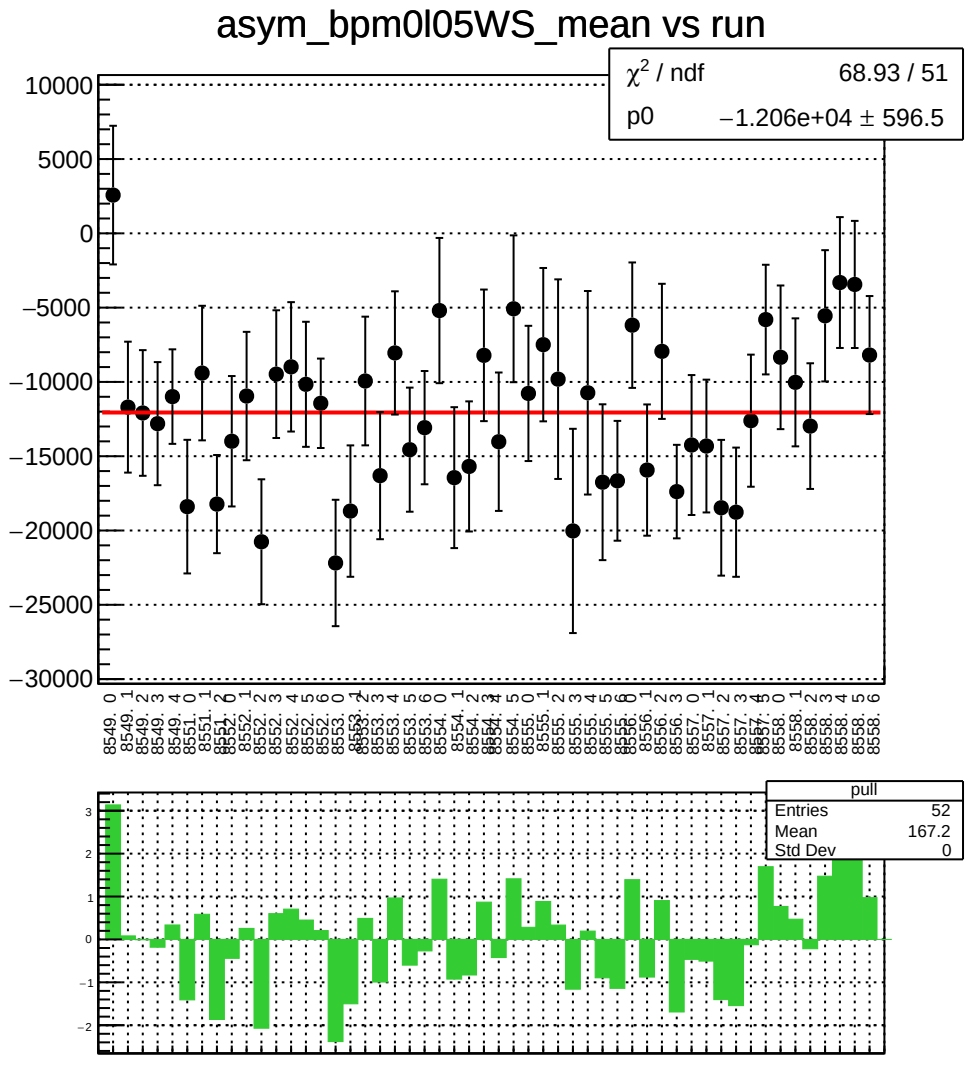
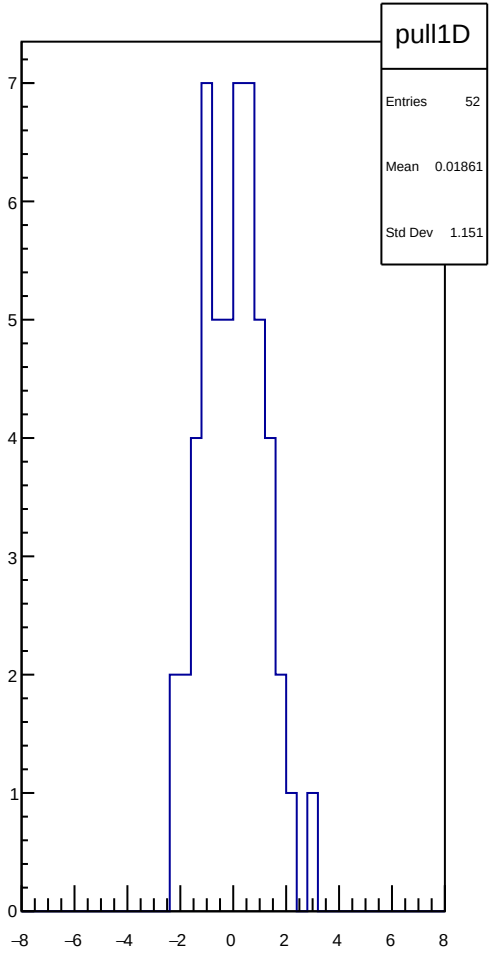
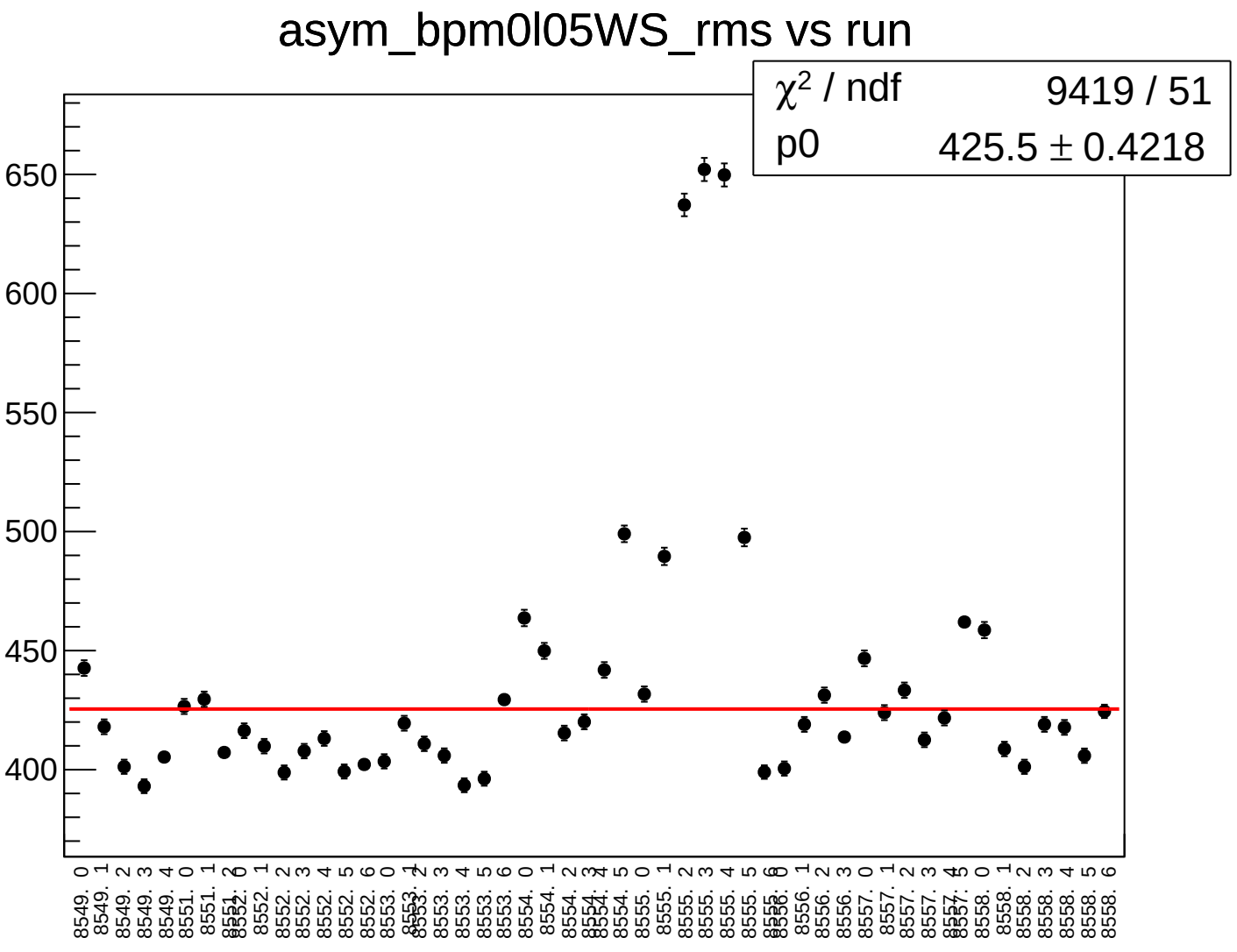
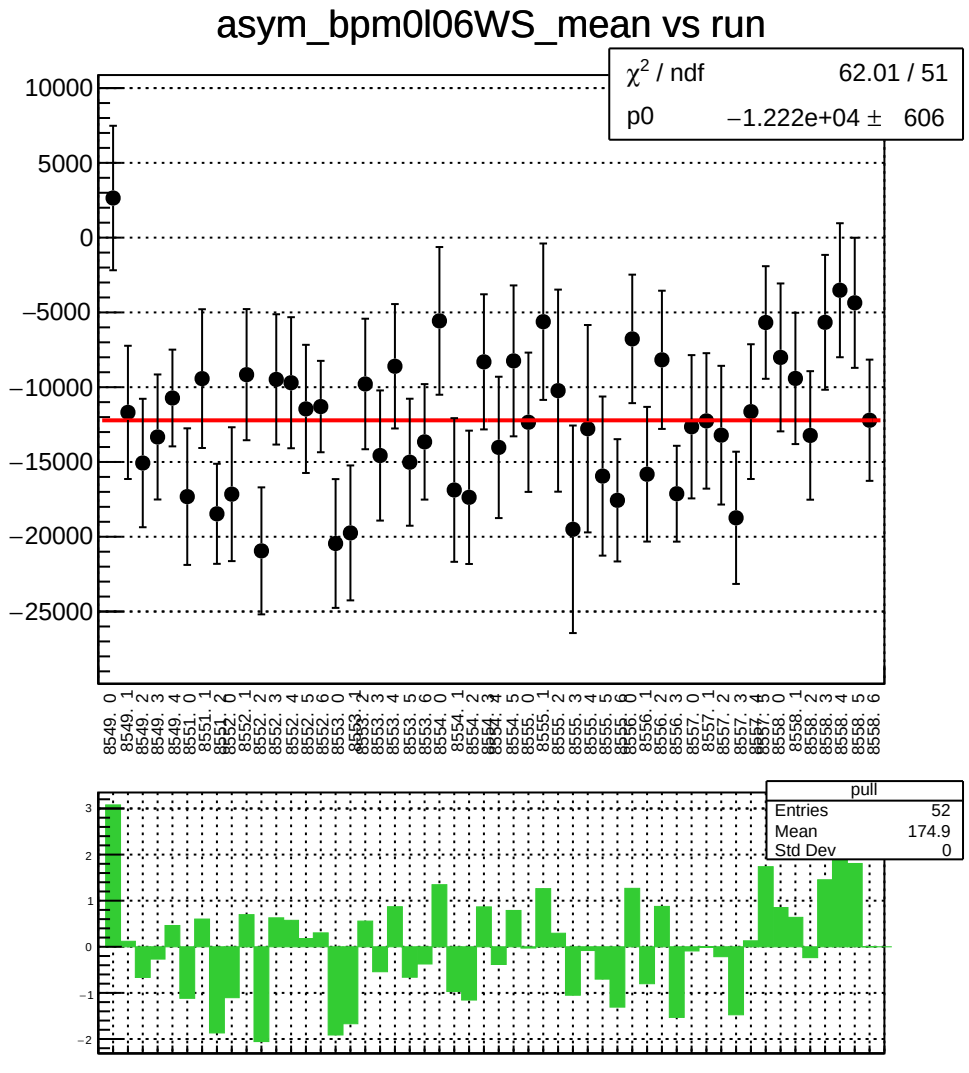
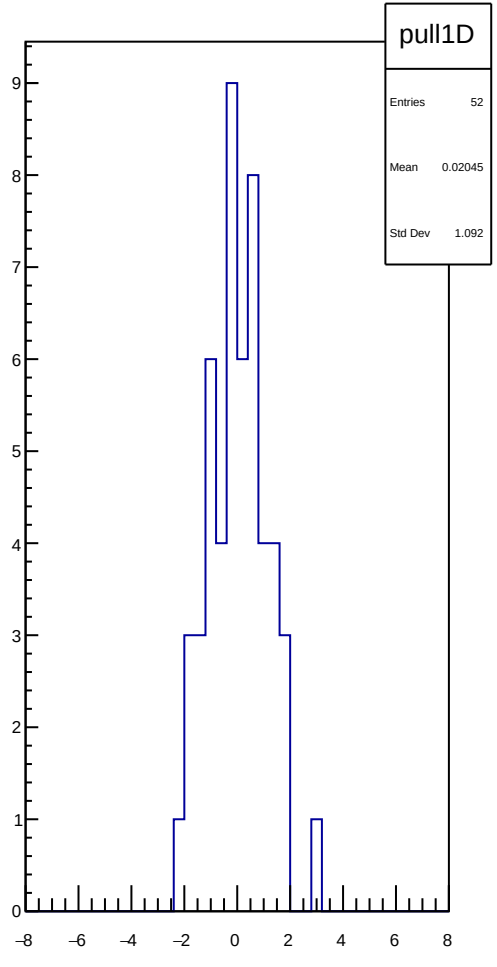
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

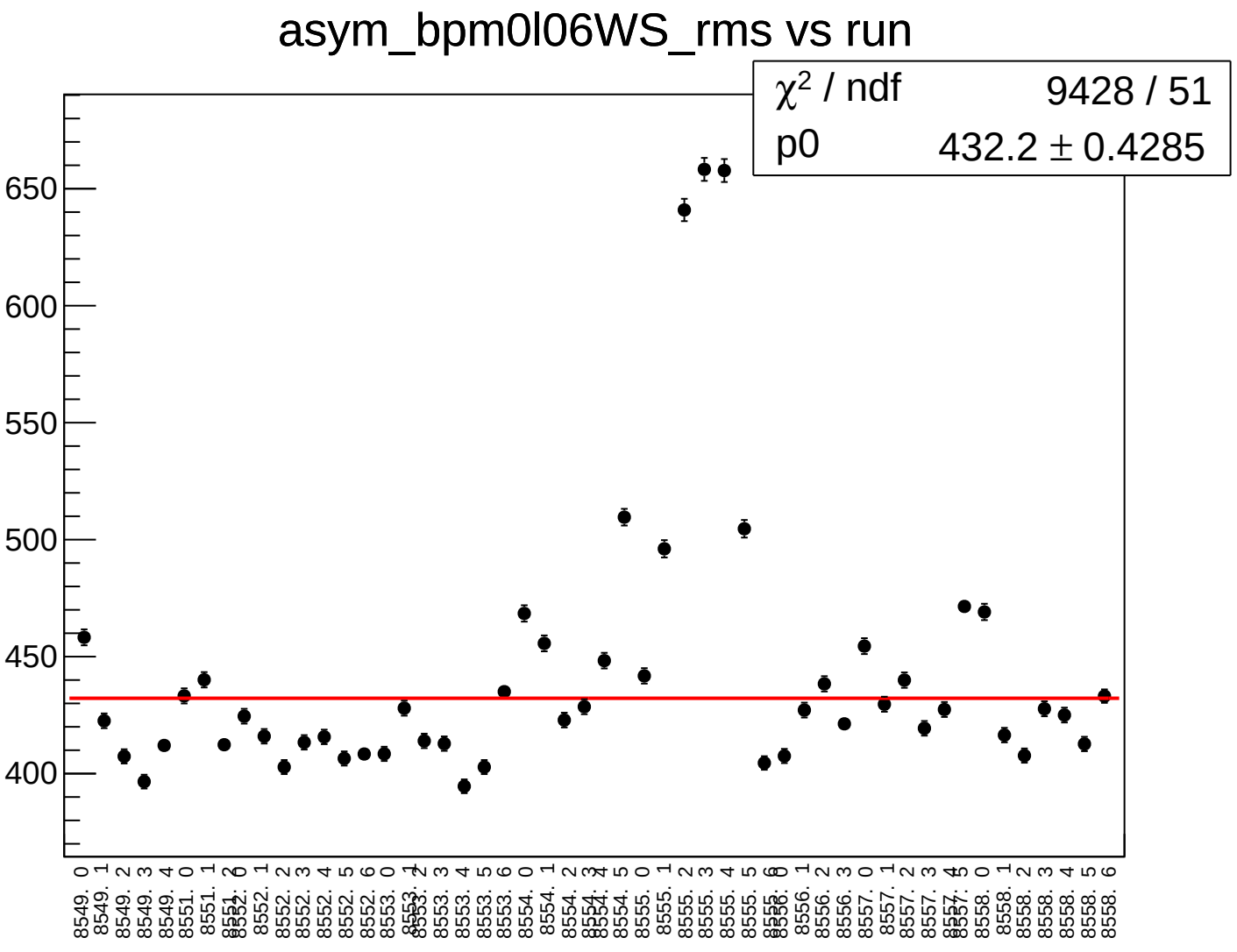

asym_bpm0l05WS_mean vs run
χ² / ndf 68.93 / 51
p0 −1.206e+04 ± 596.5
pull
Entries 52
Mean 167.2
Std Dev 0


pull1D
Entries 52
Mean 0.01861
Std Dev 1.151


asym_bpm0l05WS_rms vs run
χ² / ndf 9419 / 51
p0 425.5 ± 0.4218
650
600
550
500
450
400
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 5
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6


asym_bpm0l06WS_mean vs run
χ² / ndf 62.01 / 51
p0 −1.222e+04 ± 606
pull
Entries 52
Mean 174.9
Std Dev 0


pull1D
Entries 52
Mean 0.02045
Std Dev 1.092


asym_bpm0l06WS_rms vs run
χ² / ndf 9428 / 51
p0 432.2 ± 0.4285
650
600
550
500
450
400
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8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 5
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
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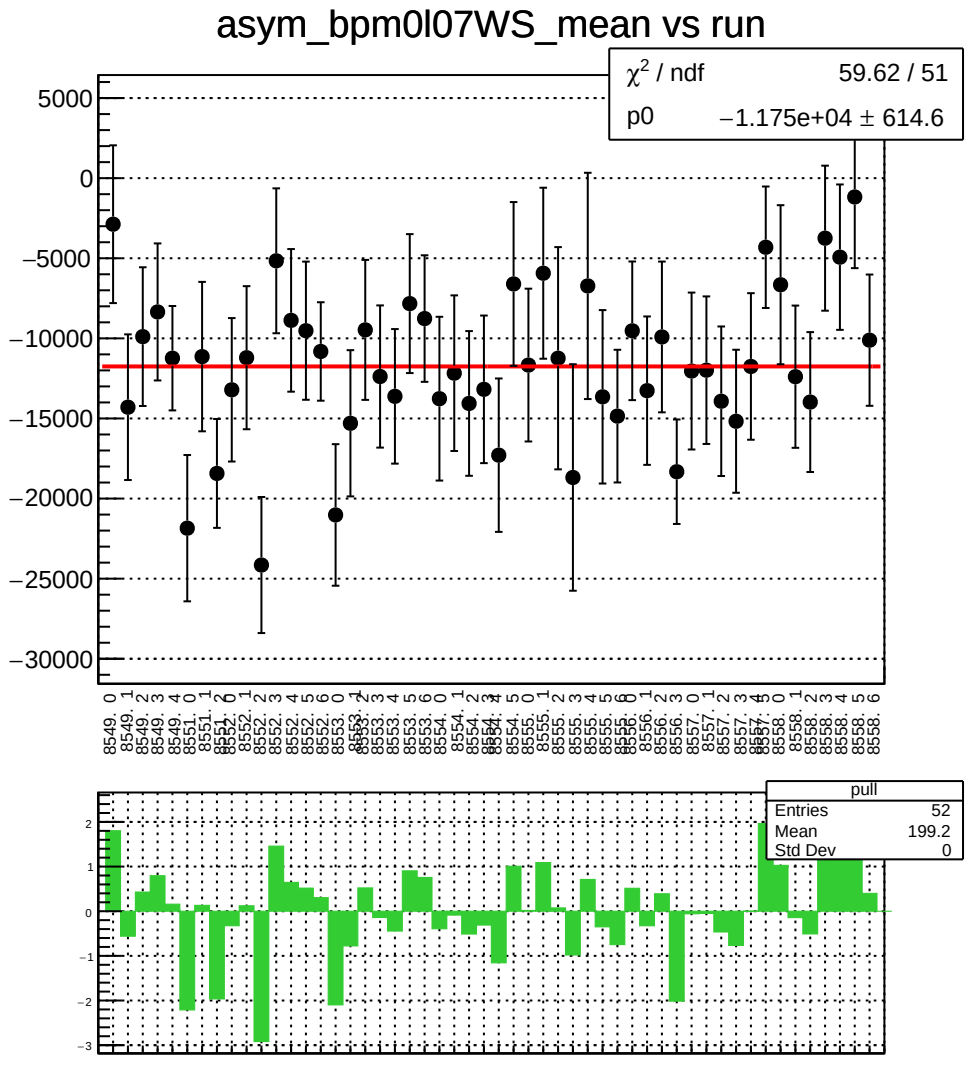
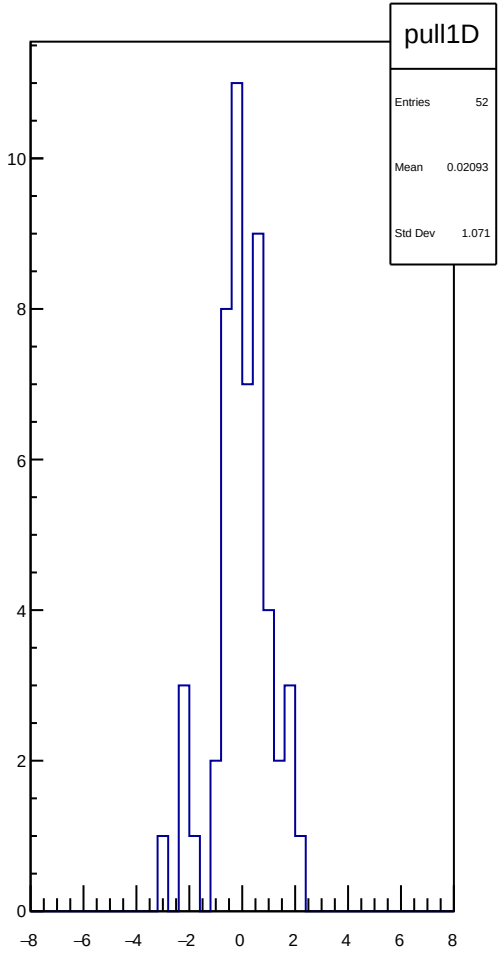
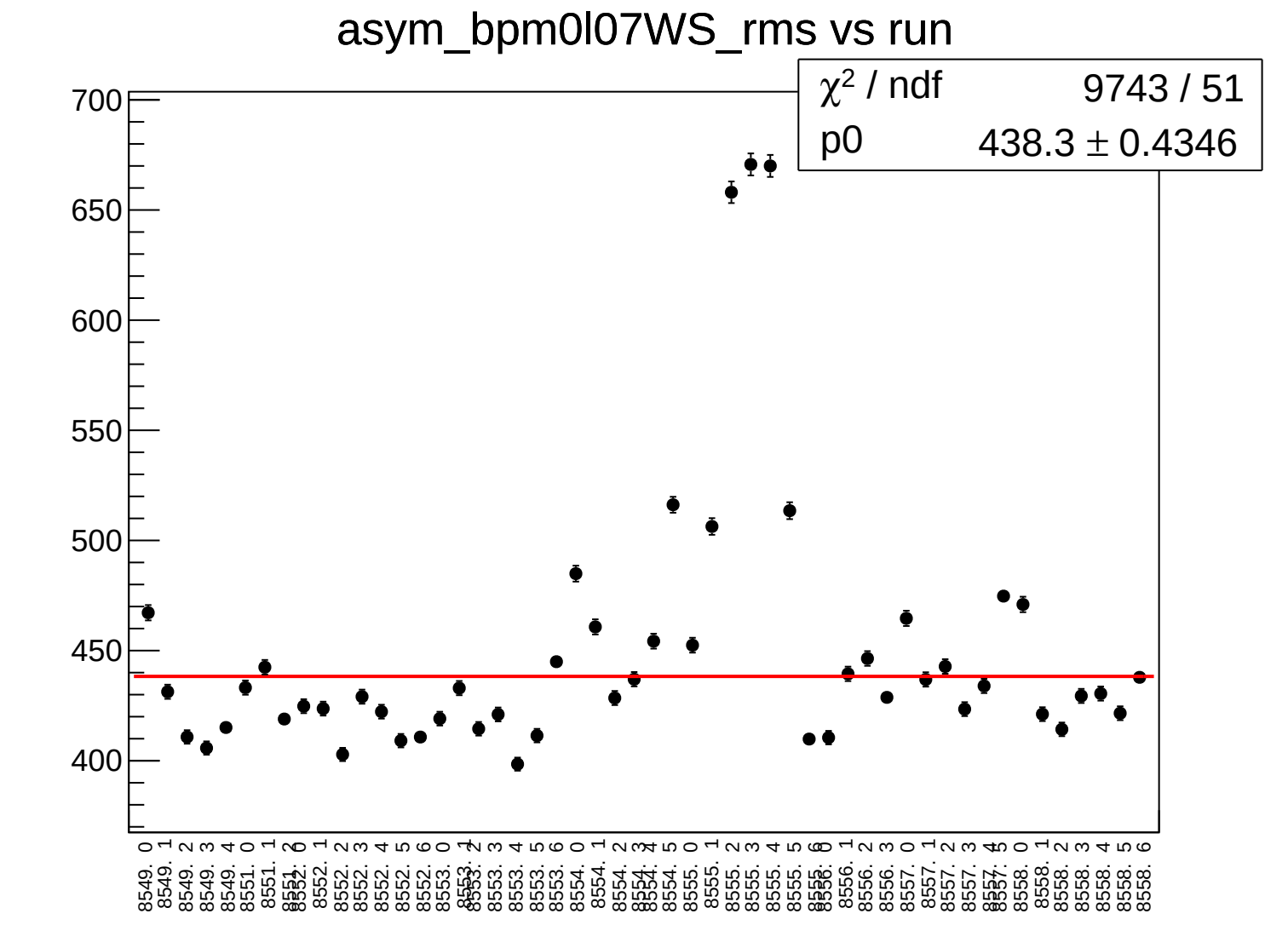
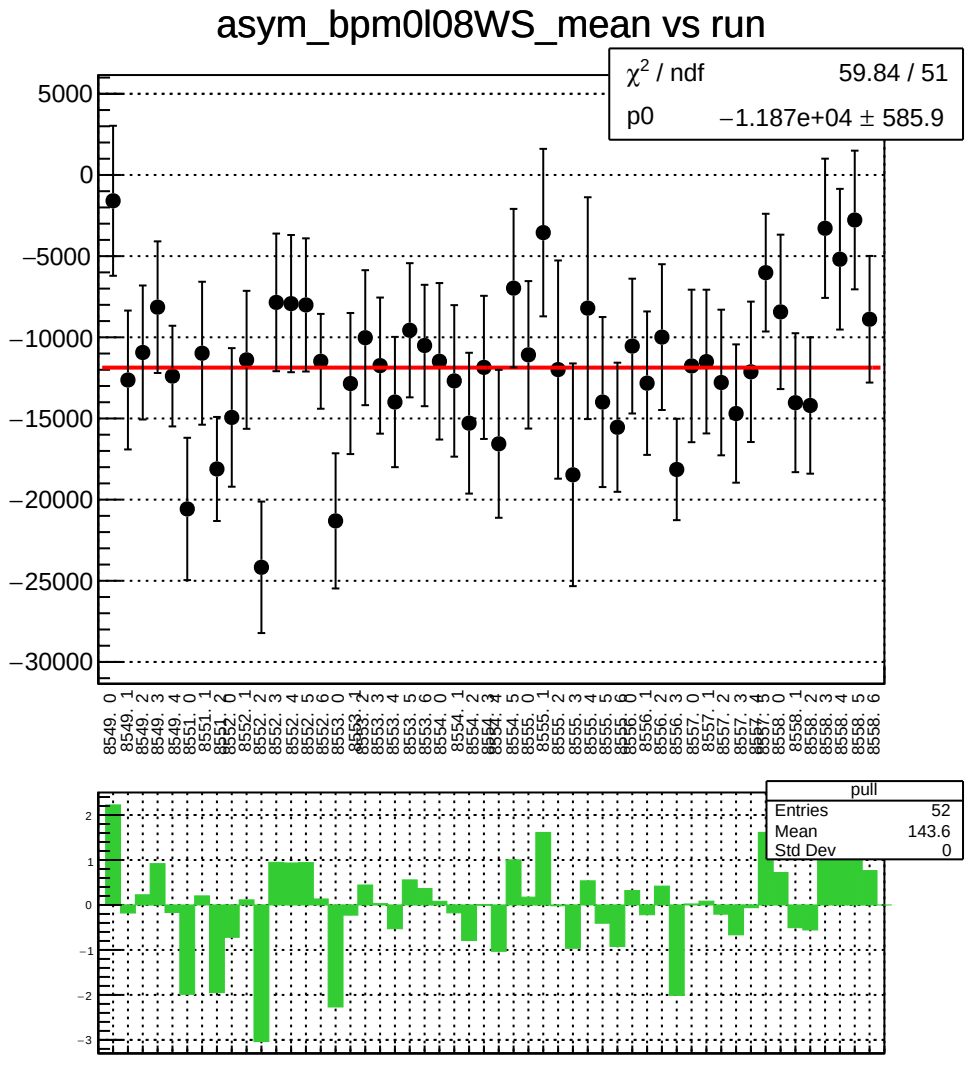
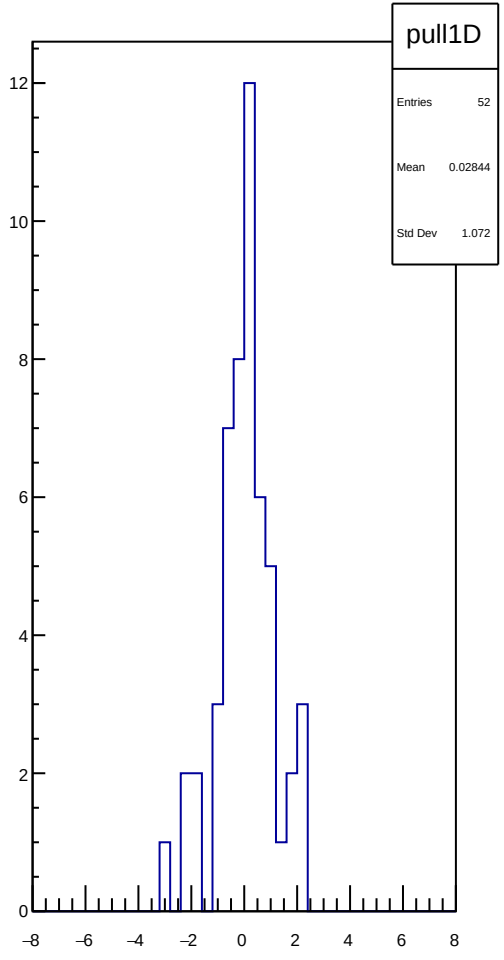
8558. 5
8558. 6

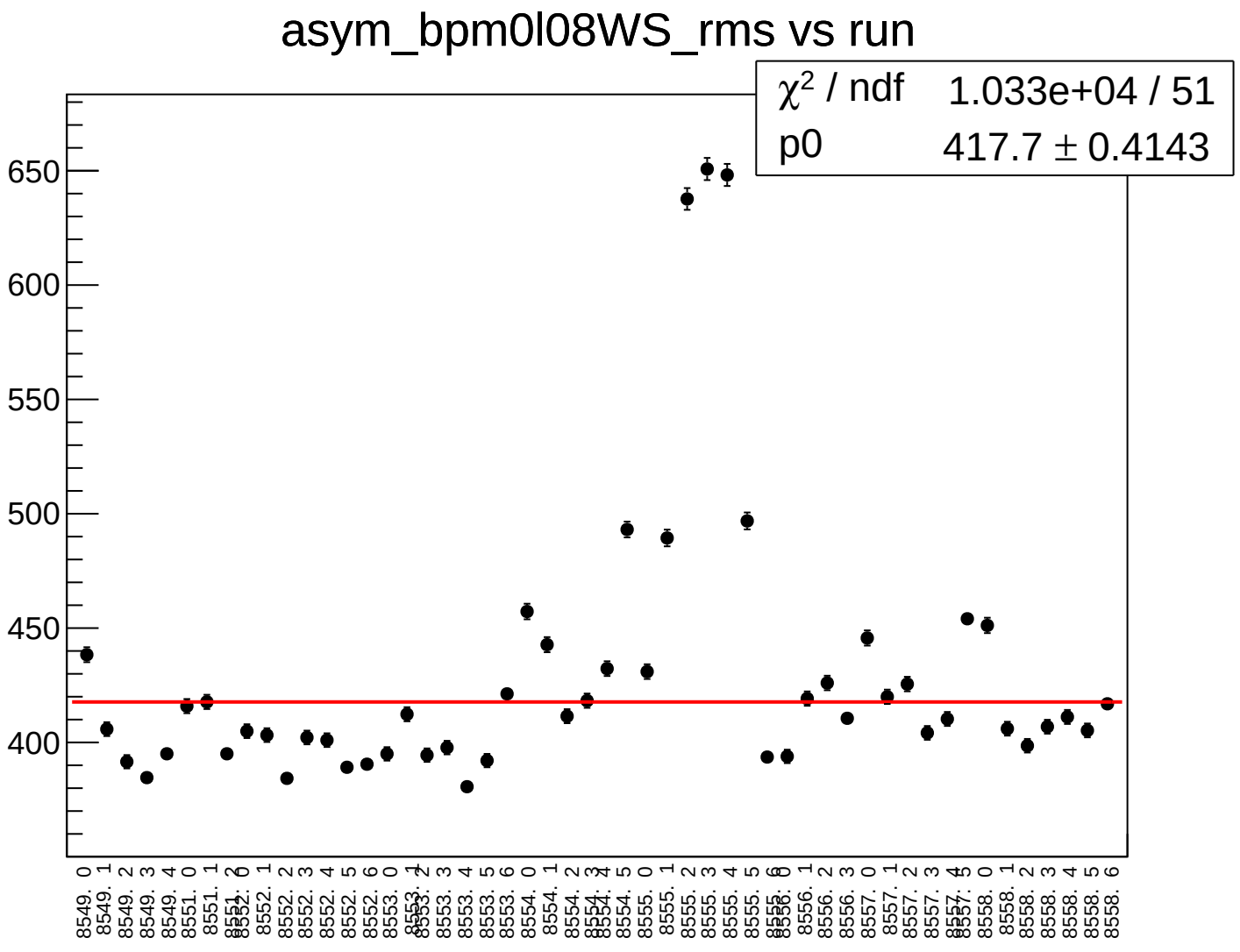

asym_bpm0l07WS_mean vs run
χ² / ndf 59.62 / 51
p0 −1.175e+04 ± 614.6
pull
Entries 52
Mean 199.2
Std Dev 0


pull1D
Entries 52
Mean 0.02093
Std Dev 1.071


asym_bpm0l07WS_rms vs run
χ² / ndf 9743 / 51
p0 438.3 ± 0.4346
700
650
600
550
500
450
400
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6


asym_bpm0l08WS_mean vs run
χ² / ndf 59.84 / 51
p0 −1.187e+04 ± 585.9
pull
Entries 52
Mean 143.6
Std Dev 0


pull1D
Entries 52
Mean 0.02844
Std Dev 1.072


asym_bpm0l08WS_rms vs run
χ² / ndf 1.033e+04 / 51
p0 417.7 ± 0.4143
650
600
550
500
450
400
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
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8557. 3
8558. 0
8558. 1
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8558. 3
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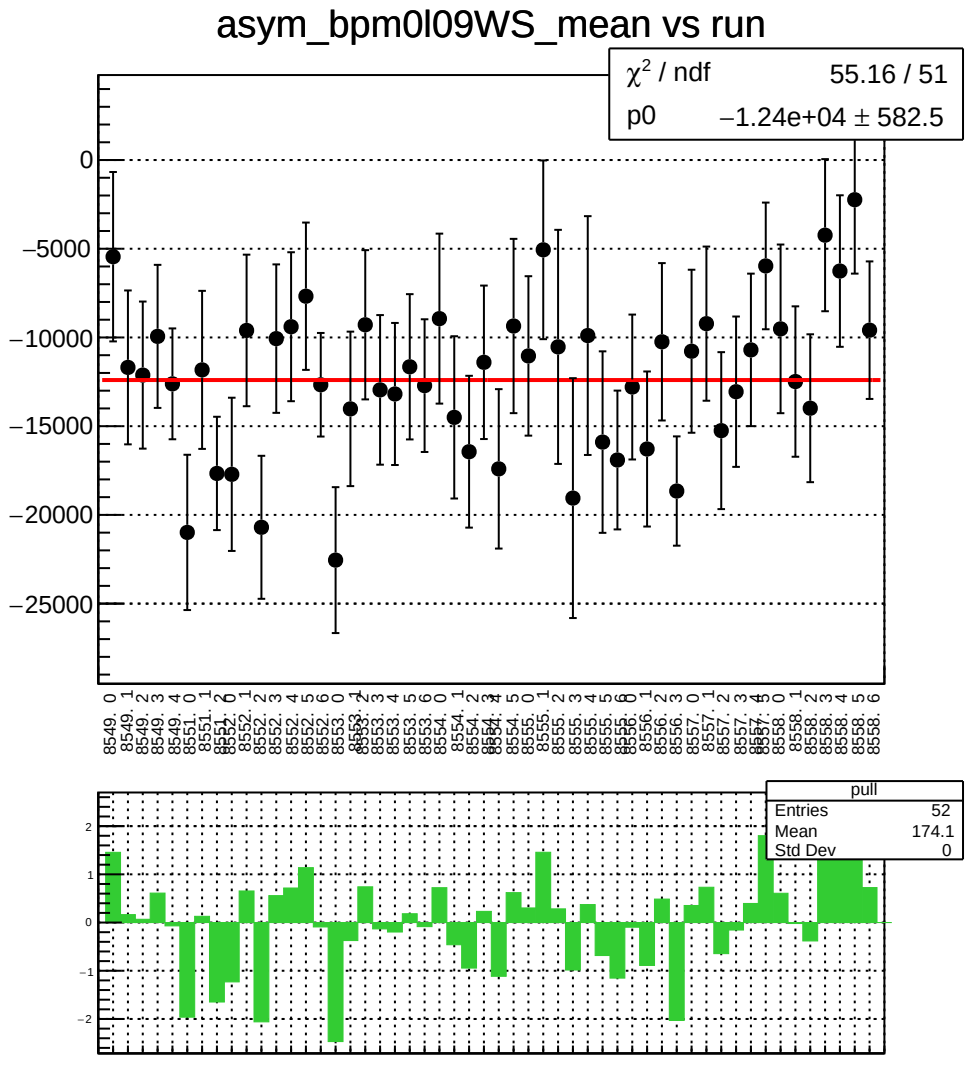
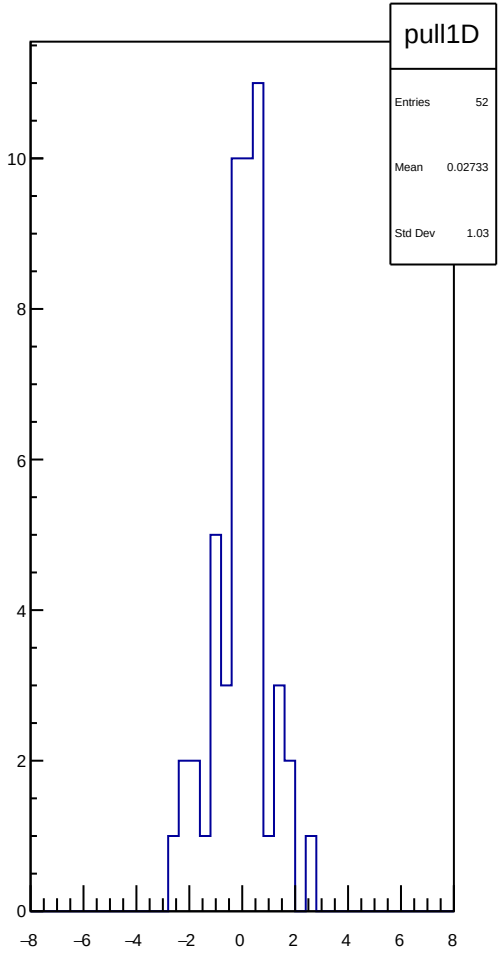
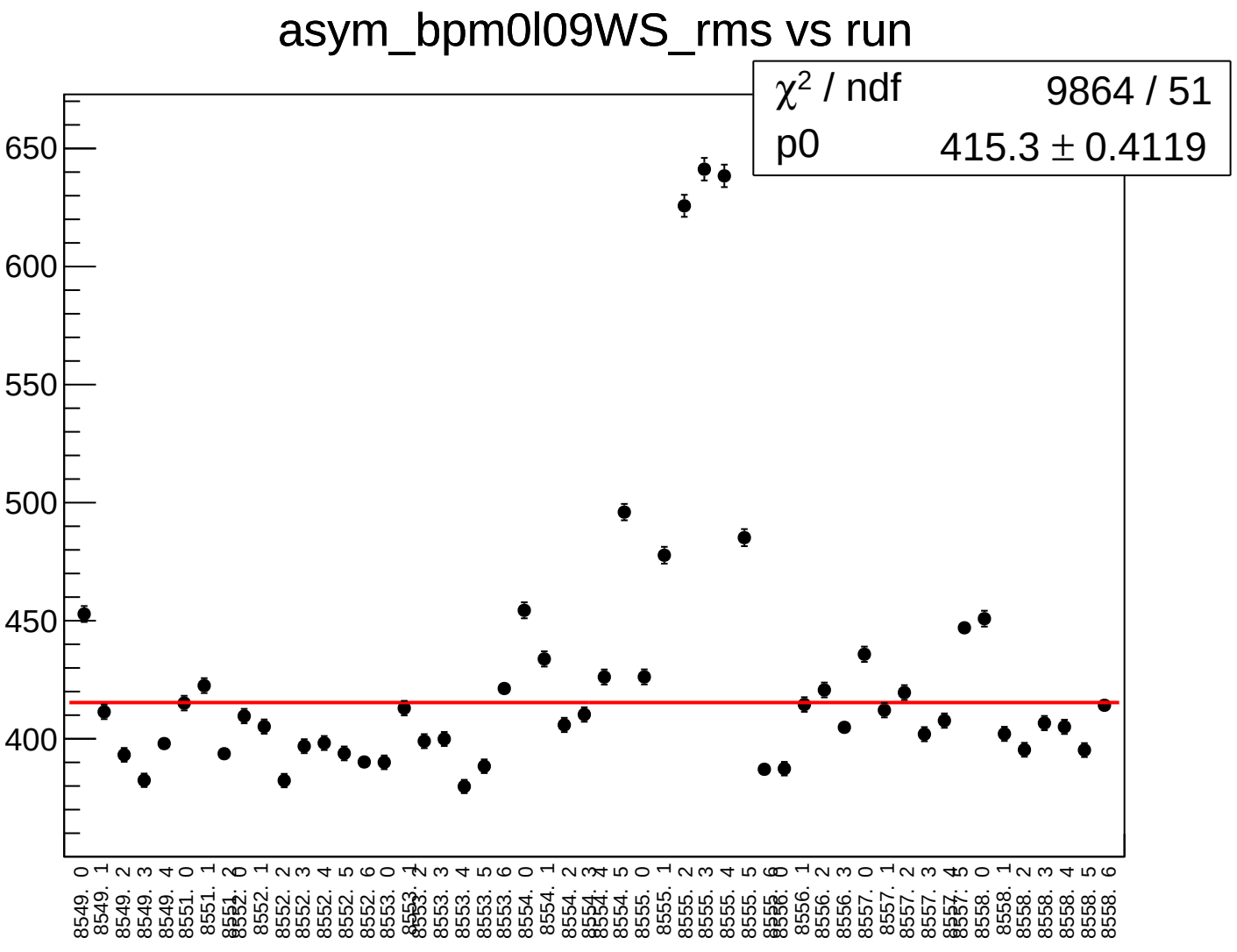
8558. 5
8558. 6


asym_bpm0l09WS_mean vs run
χ² / ndf 55.16 / 51
p0 −1.24e+04 ± 582.5
0
−5000
−10000
−15000
−20000
−25000
pull
Entries 52
Mean 174.1
Std Dev 0
2
1
0
−1
−2


pull1D
Entries 52
Mean 0.02733
Std Dev 1.03
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


asym_bpm0l09WS_rms vs run
χ² / ndf 9864 / 51
p0 415.3 ± 0.4119
650
600
550
500
450
400
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
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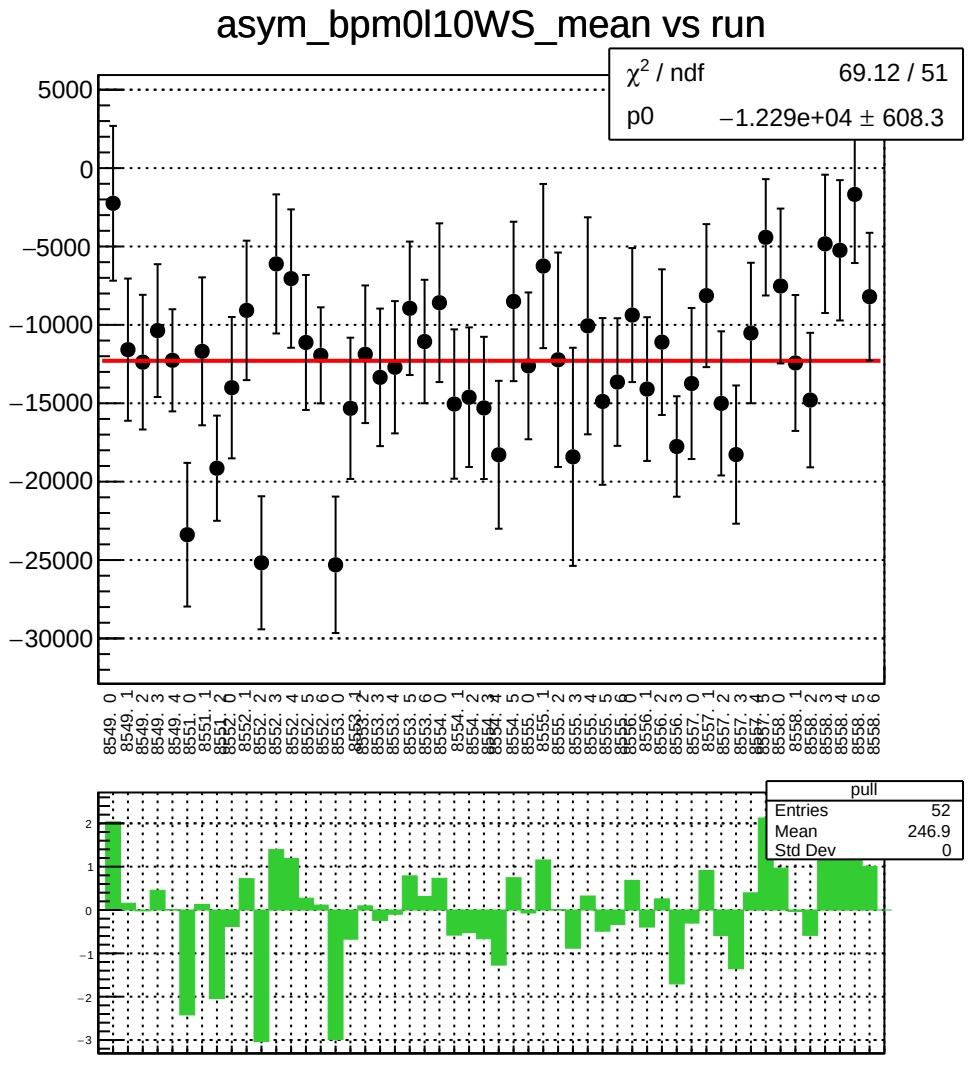
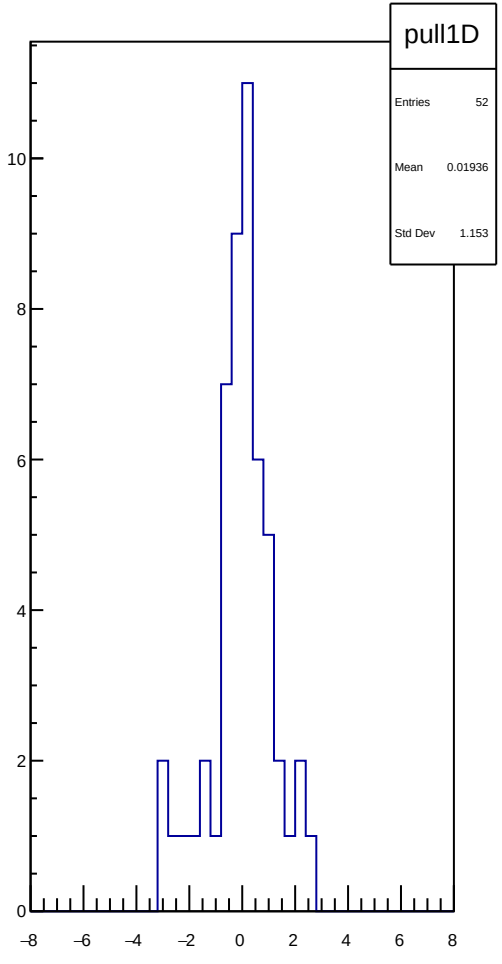
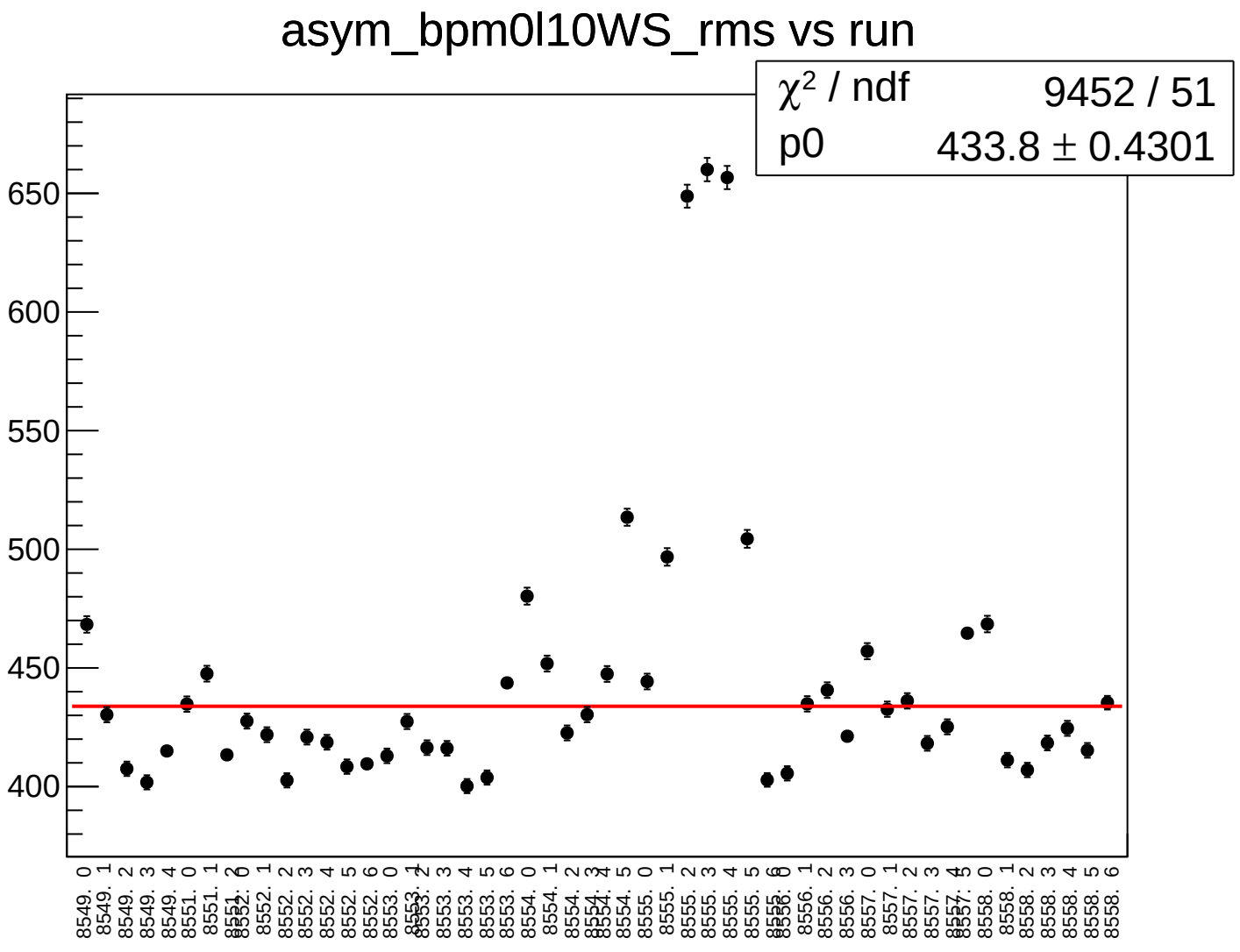
8558. 5
8558. 6


asym_bpm0l10WS_mean vs run
χ² / ndf 69.12 / 51
p0 −1.229e+04 ± 608.3
pull
Entries 52
Mean 246.9
Std Dev 0


pull1D
Entries 52
Mean 0.01936
Std Dev 1.153


asym_bpm0l10WS_rms vs run
χ² / ndf 9452 / 51
p0 433.8 ± 0.4301
650
600
550
500
450
400
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
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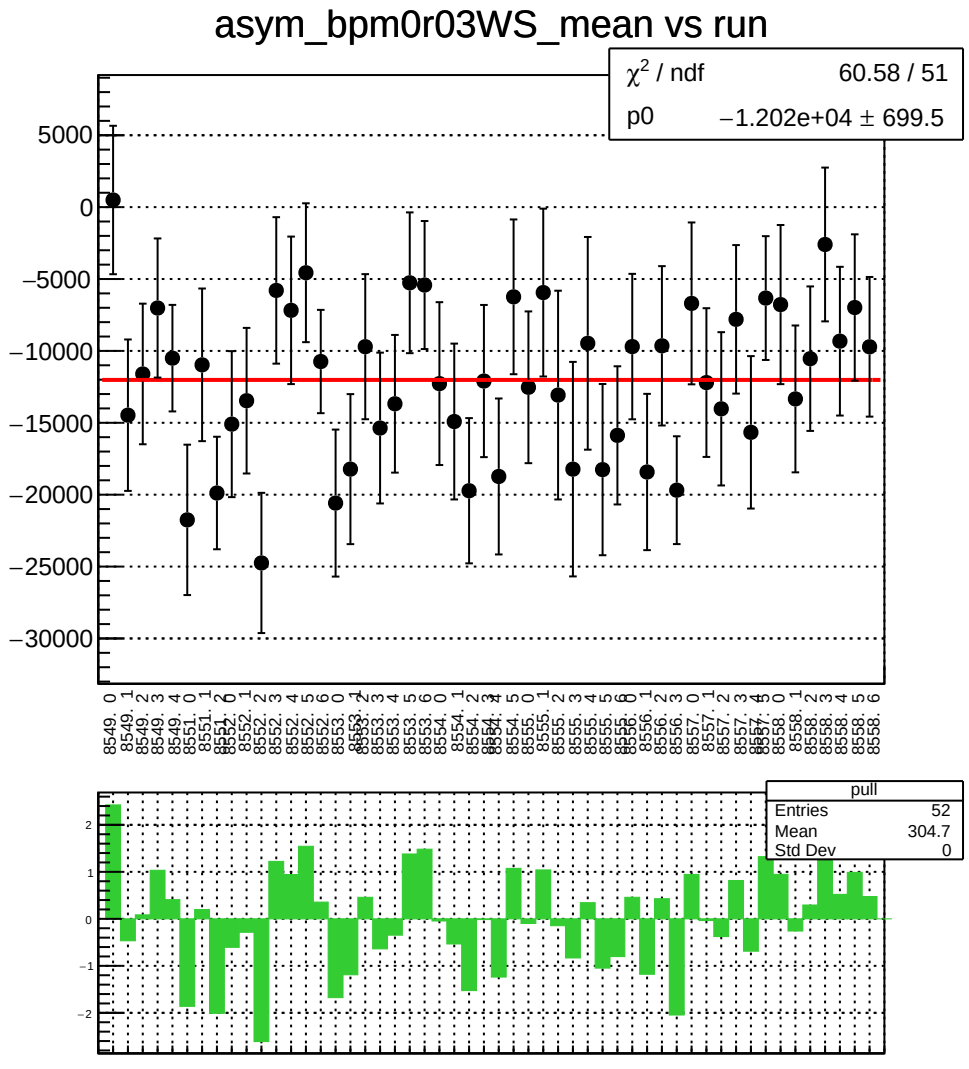
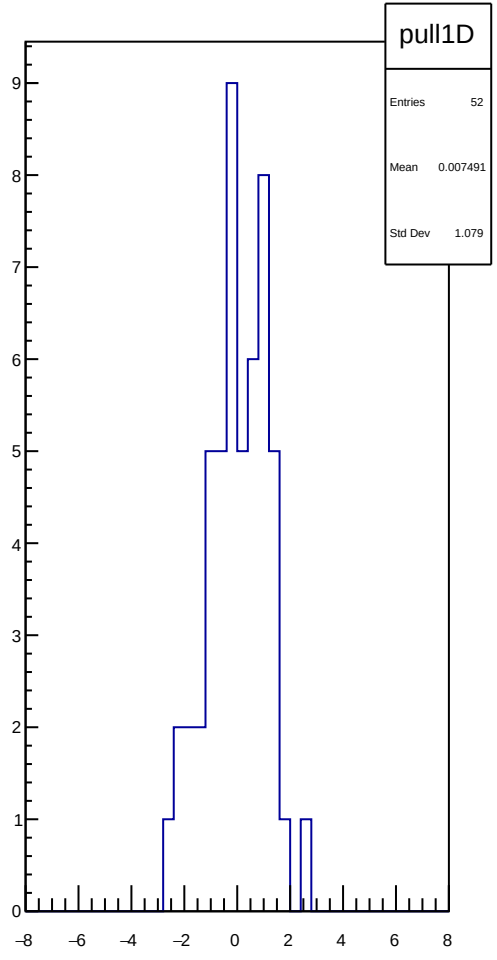
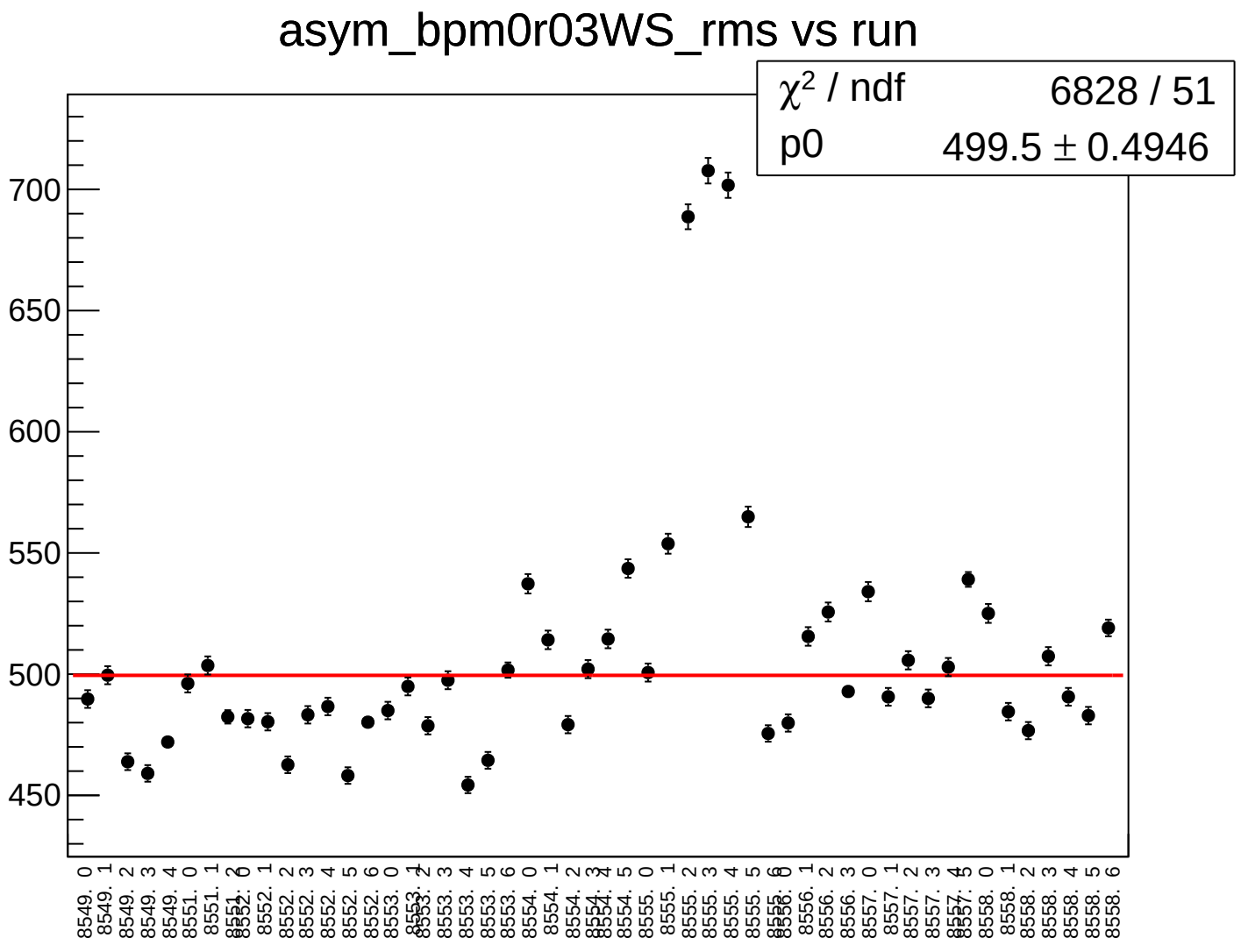
8558. 5
8558. 6


asym_bpm0r03WS_mean vs run
χ² / ndf 60.58 / 51
p0 −1.202e+04 ± 699.5
pull
Entries 52
Mean 304.7
Std Dev 0


pull1D
Entries 52
Mean 0.007491
Std Dev 1.079


asym_bpm0r03WS_rms vs run
χ² / ndf 6828 / 51
p0 499.5 ± 0.4946
700
650
600
550
500
450
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 5
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
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8558. 3
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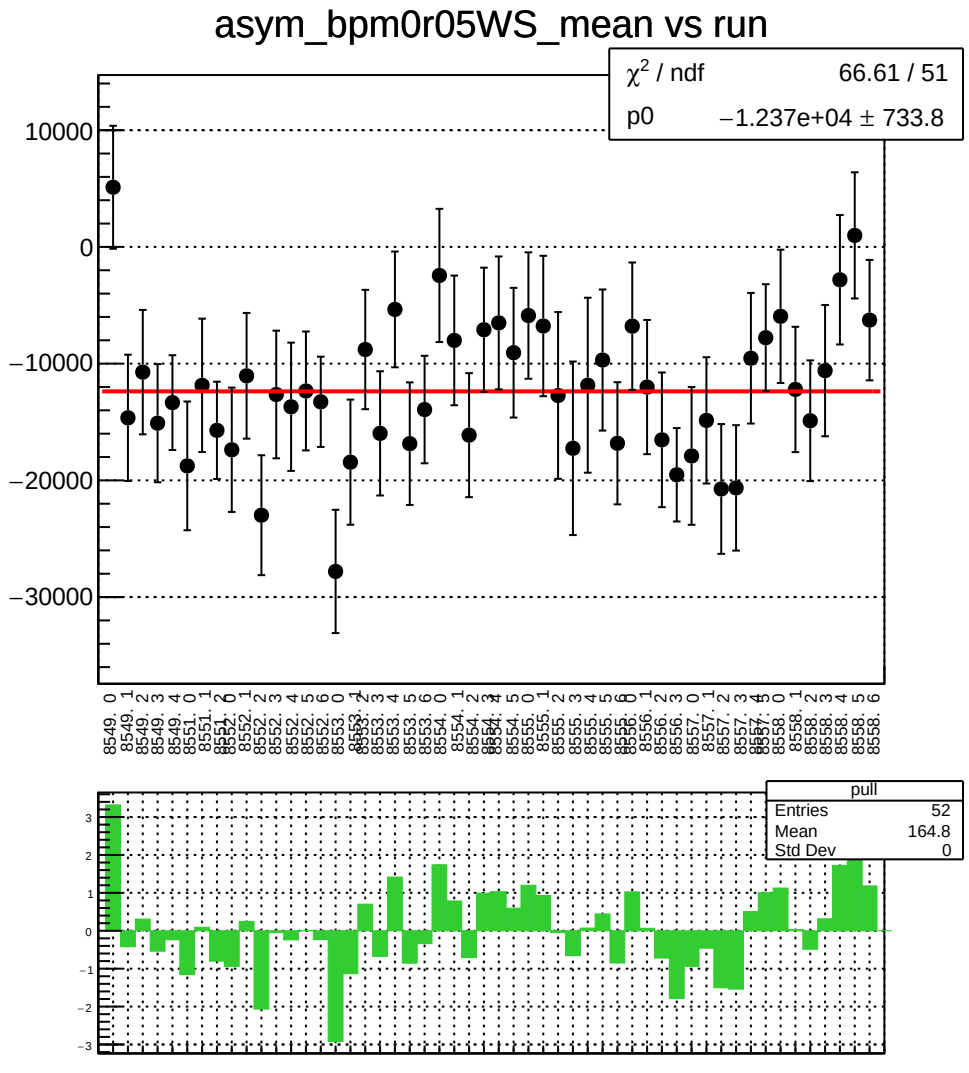
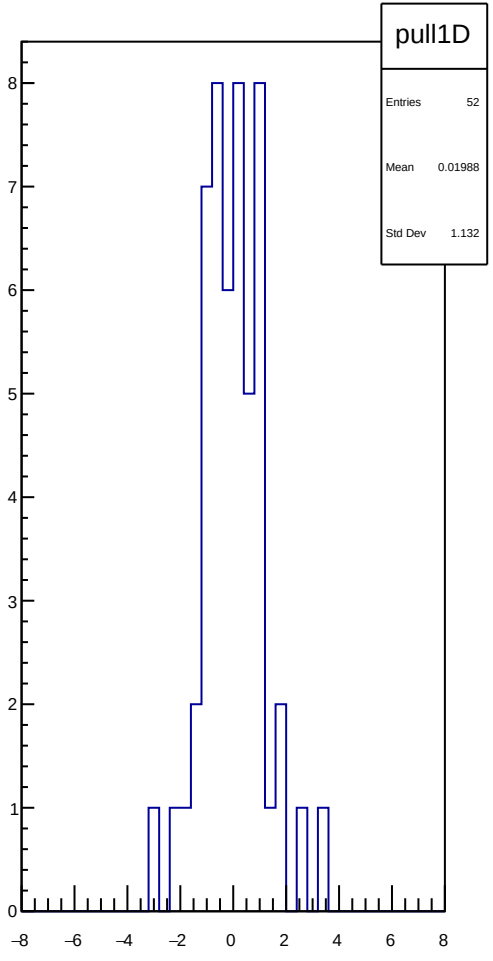
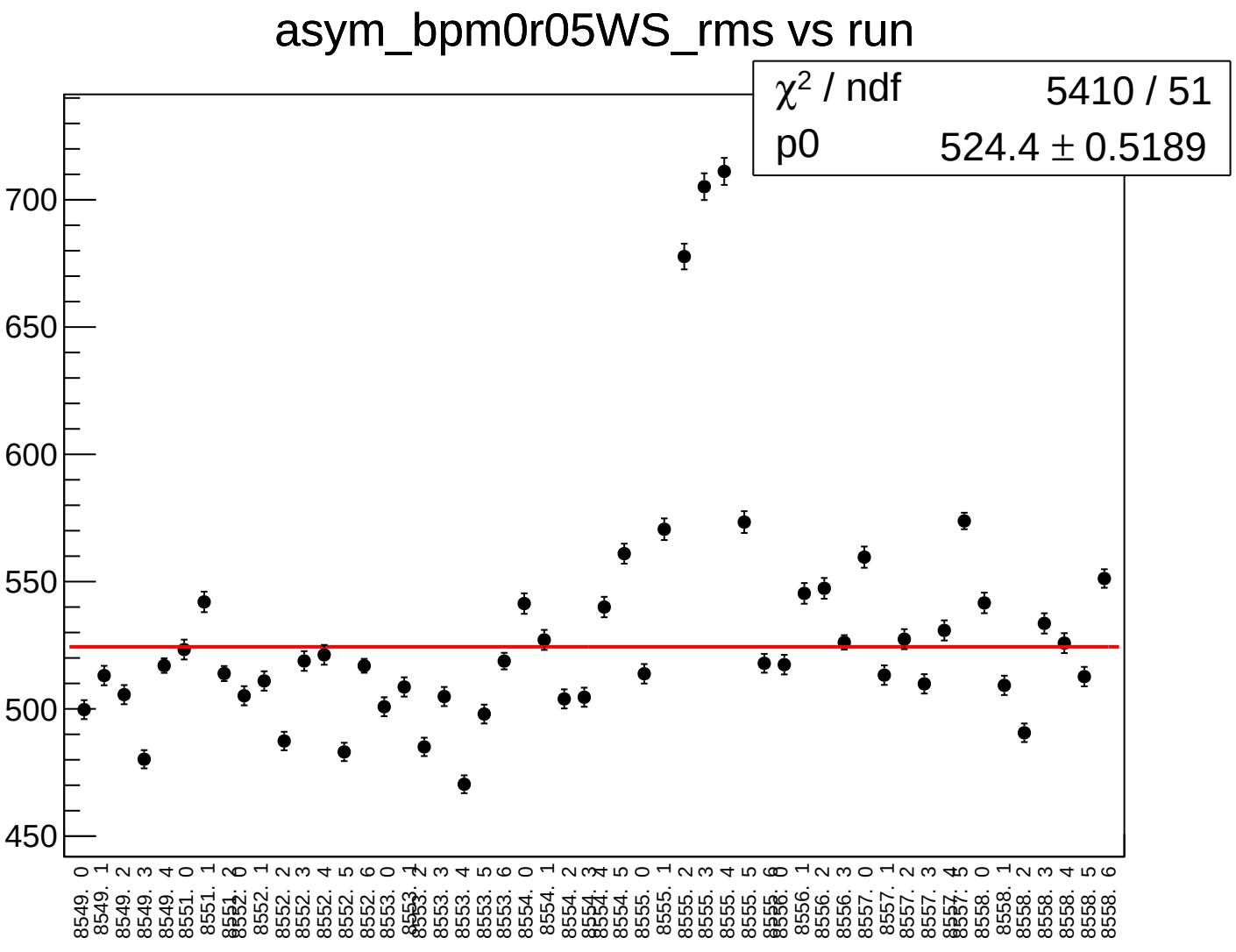
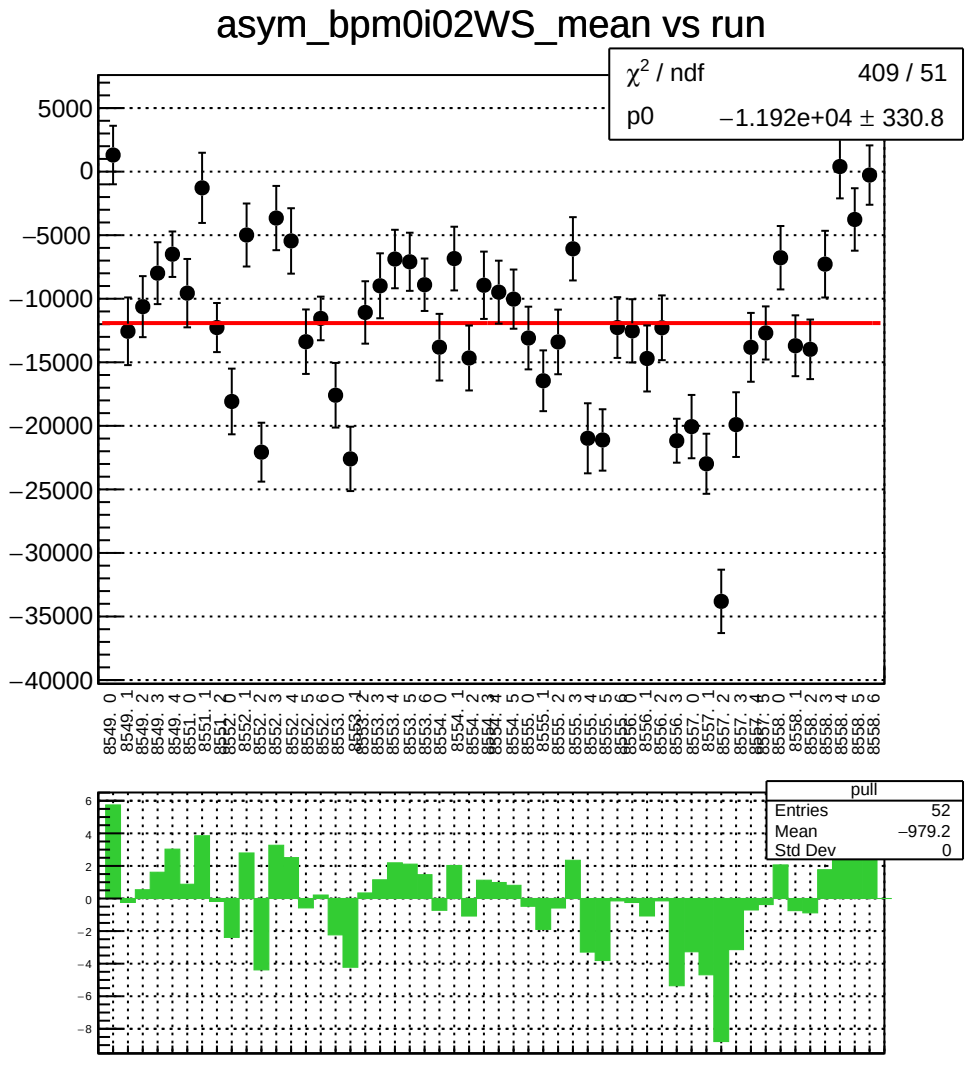
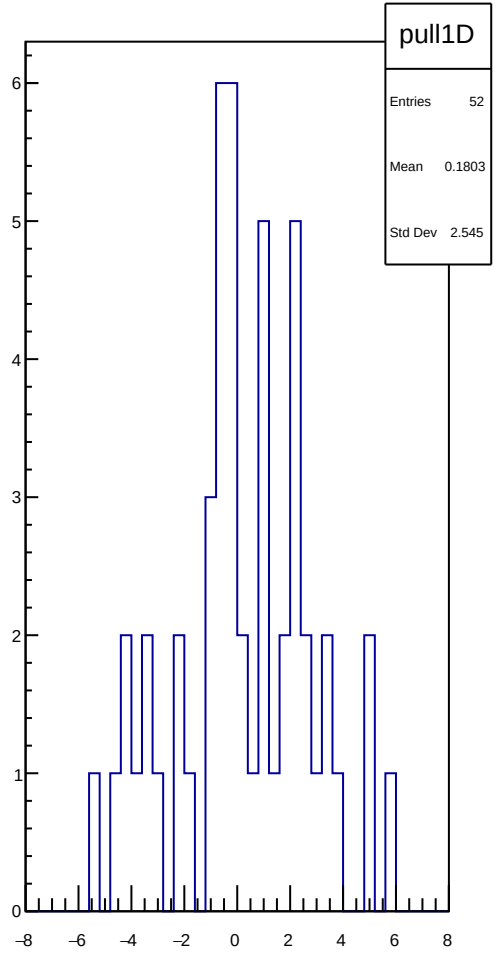
8558. 5
8558. 6

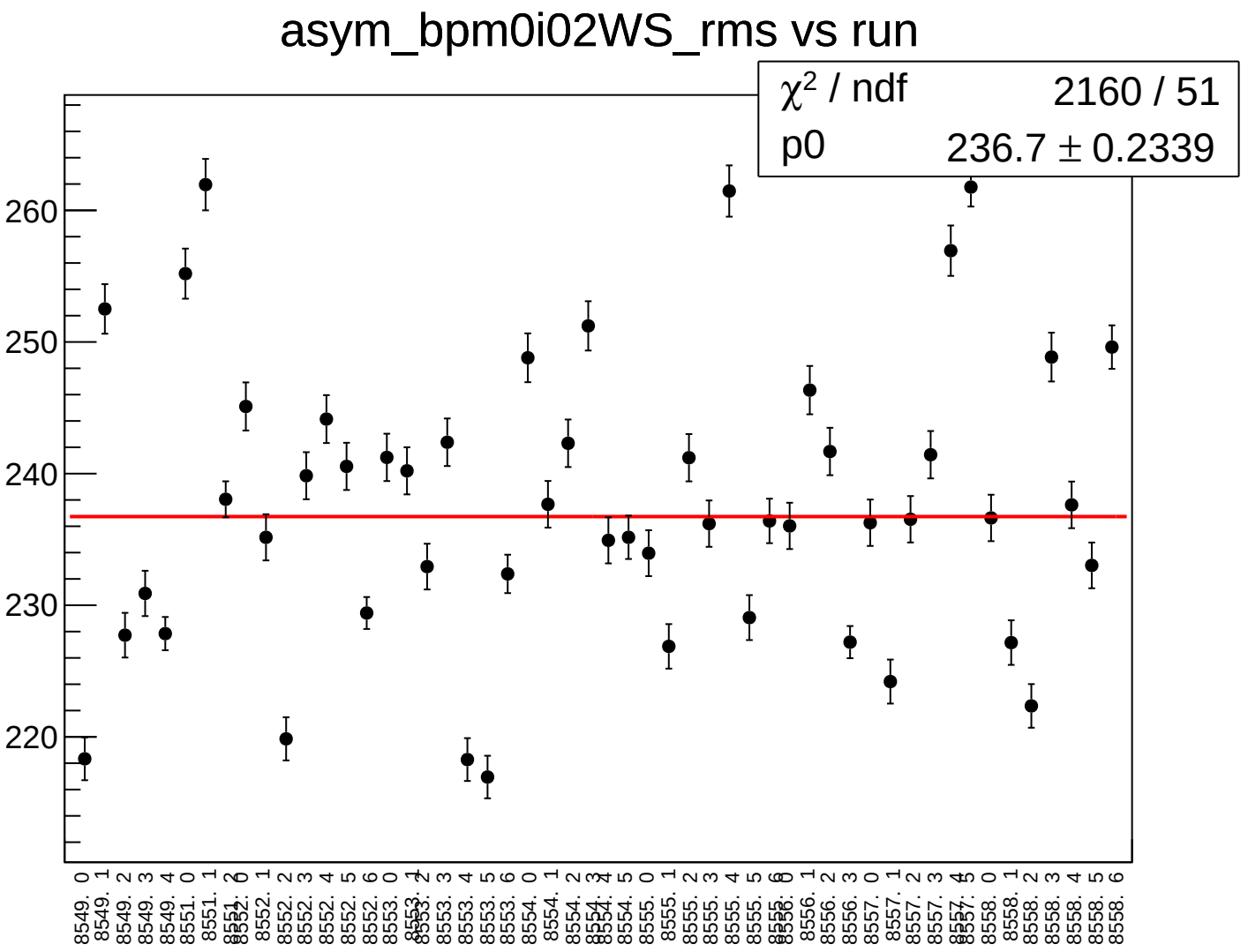

asym_bpm0r05WS_mean vs run
χ² / ndf 66.61 / 51
p0 −1.237e+04 ± 733.8
10000
0
−10000
−20000
−30000
pull
Entries 52
Mean 164.8
Std Dev 0
3
2
1
0
−1
−2
−3

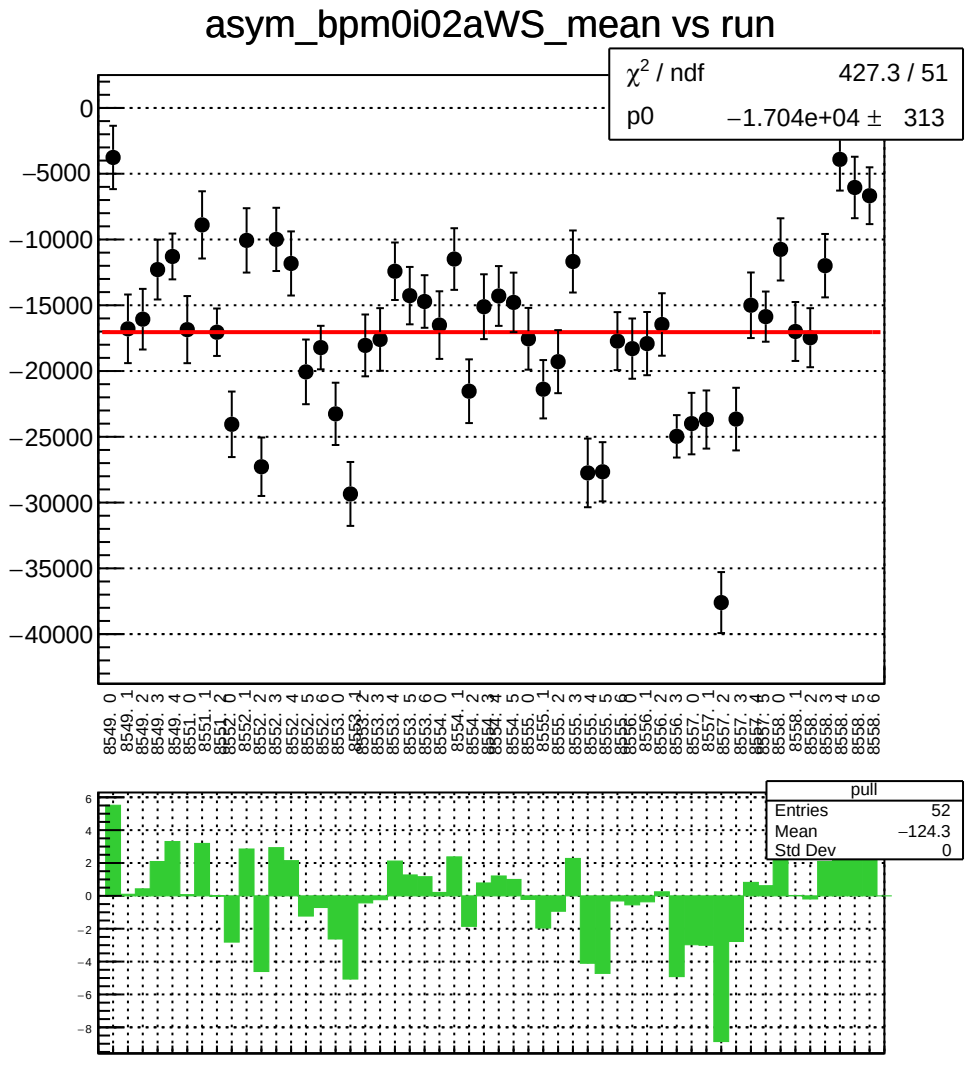

pull1D
Entries 52
Mean 0.01988
Std Dev 1.132
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

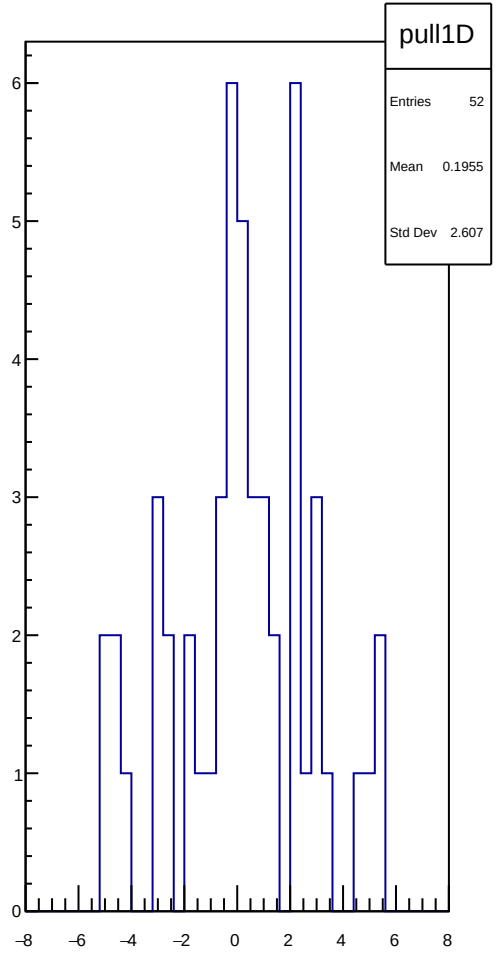

asym_bpm0r05WS_rms vs run
χ² / ndf 5410 / 51
p0 524.4 ± 0.5189
700
650
600
550
500
450
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8551. 2
8551. 6
8552. 0
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 1
8553. 2
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 3
8554. 4
8554. 5
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8555. 6
8556. 0
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8557. 4
8557. 5
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

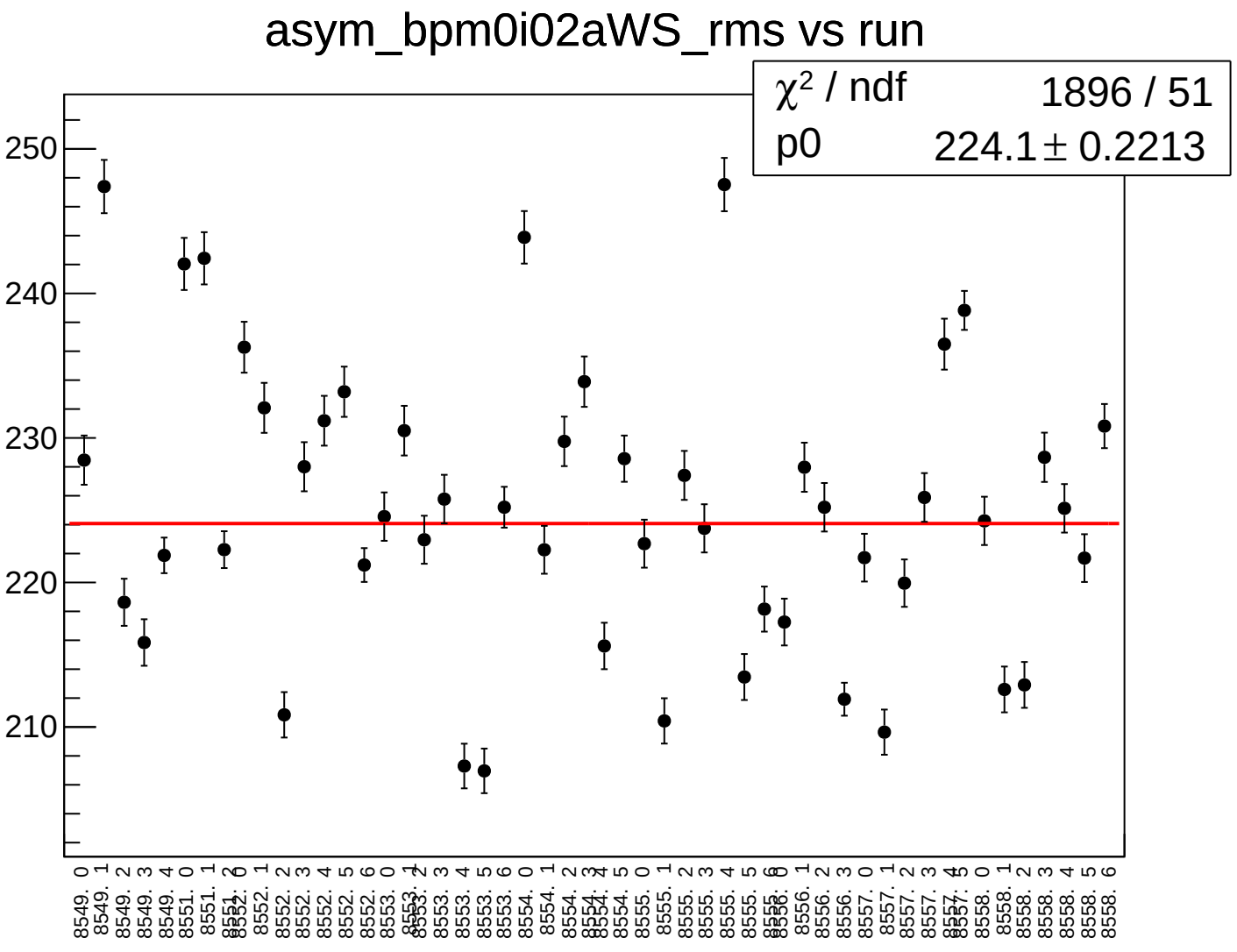

asym_bpm0i02WS_mean vs run
χ² / ndf 409 / 51
p0 −1.192e+04 ± 330.8
pull
Entries 52
Mean −979.2
Std Dev 0


pull1D
Entries 52
Mean 0.1803
Std Dev 2.545


asym_bpm0i02WS_rms vs run
χ² / ndf 2160 / 51
p0 236.7 ± 0.2339
260
250
240
230
220
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6


asym_bpm0i02aWS_mean vs run
χ² / ndf 427.3 / 51
p0 −1.704e+04 ± 313
pull
Entries 52
Mean −124.3
Std Dev 0


pull1D
Entries 52
Mean 0.1955
Std Dev 2.607


asym_bpm0i02aWS_rms vs run
χ² / ndf 1896 / 51
p0 224.1 ± 0.2213
250
240
230
220
210
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 5
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
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8557. 3
8558. 0
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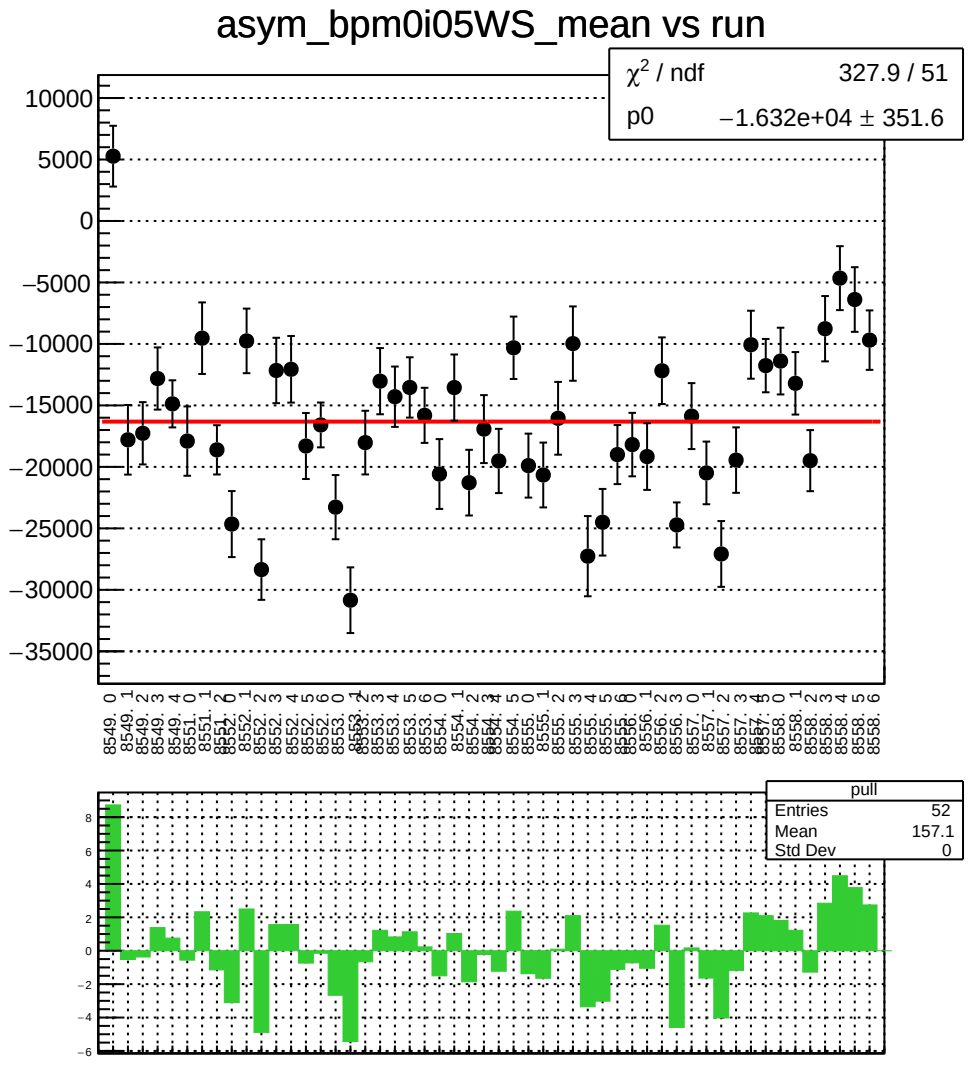
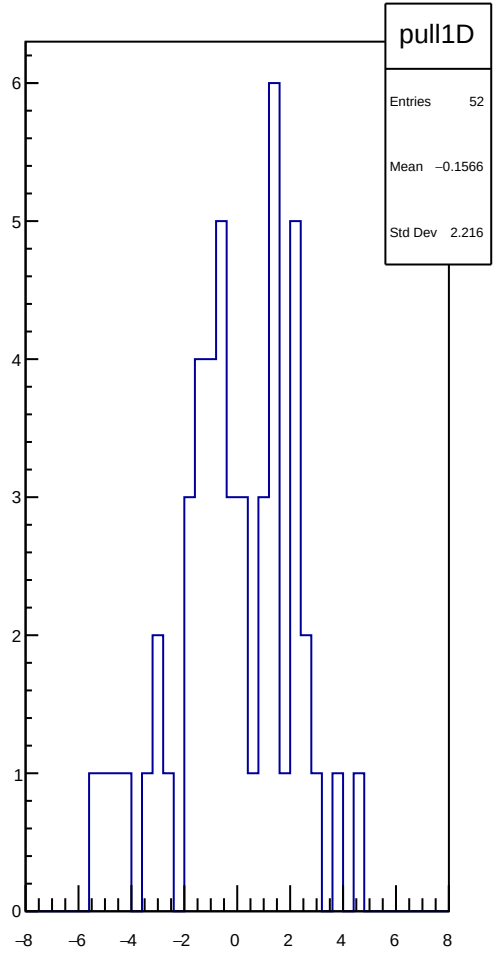
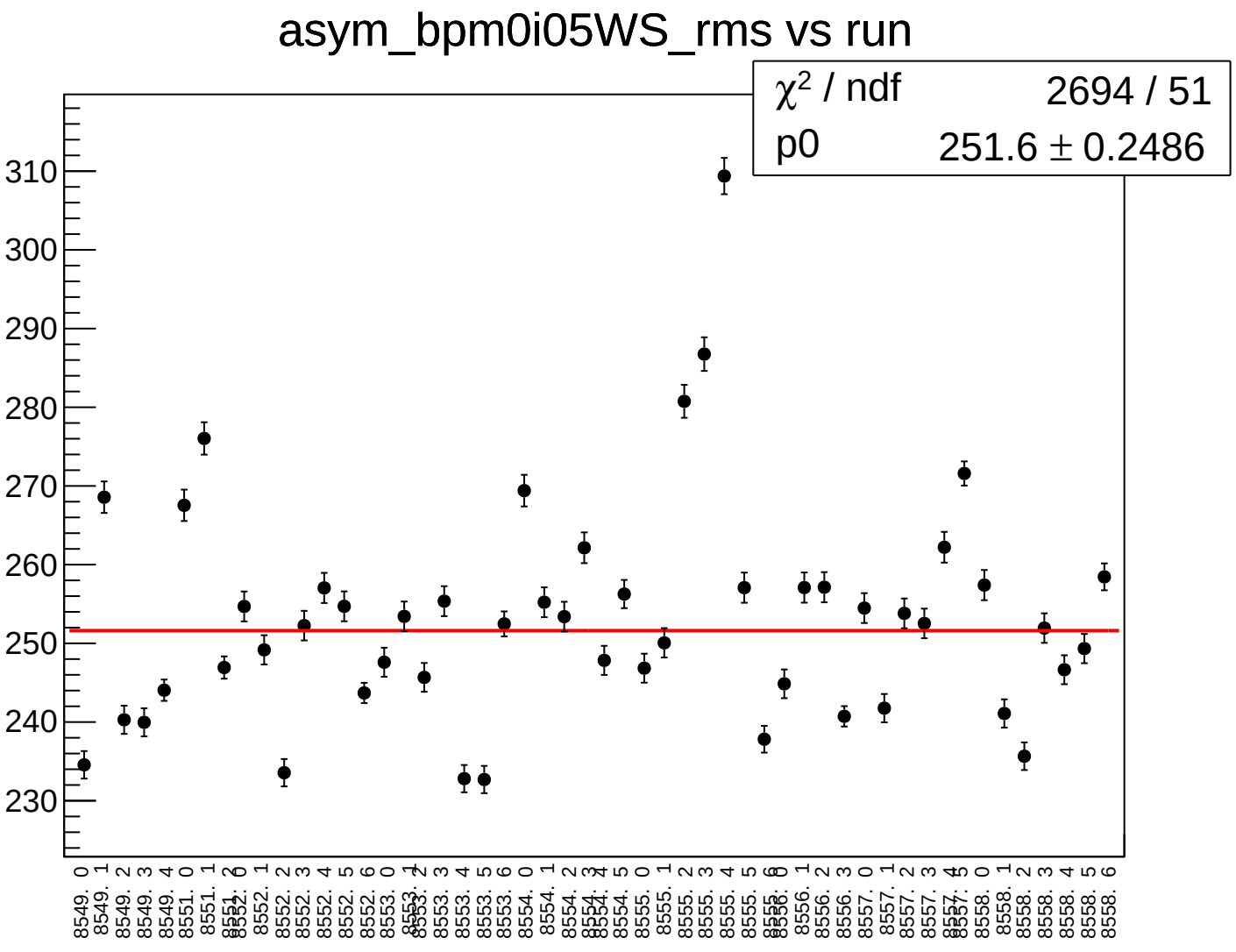
8558. 5
8558. 6


asym_bpm0i05WS_mean vs run
χ² / ndf 327.9 / 51
p0 −1.632e+04 ± 351.6
pull
Entries 52
Mean 157.1
Std Dev 0


pull1D
Entries 52
Mean −0.1566
Std Dev 2.216


asym_bpm0i05WS_rms vs run
χ² / ndf 2694 / 51
p0 251.6 ± 0.2486
310
300
290
280
270
260
250
240
230
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
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8557. 3
8558. 0
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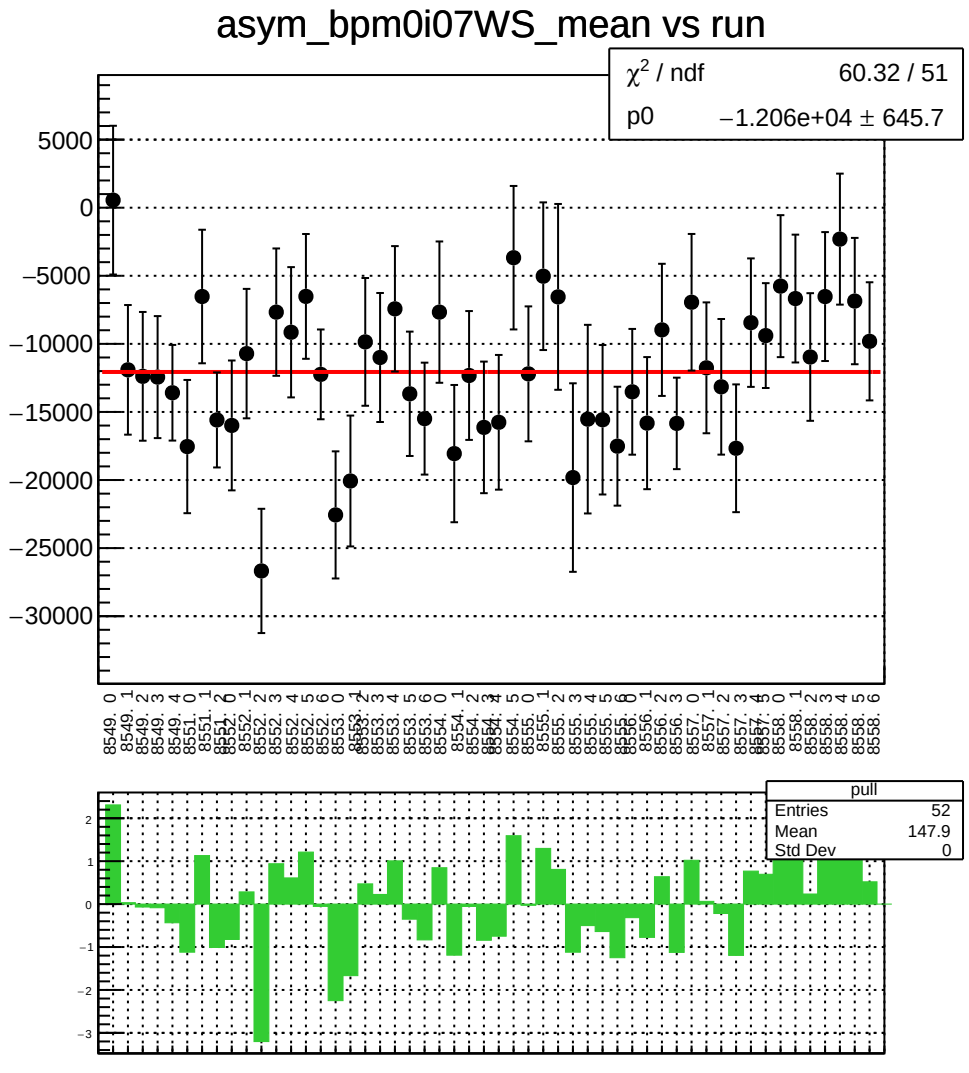
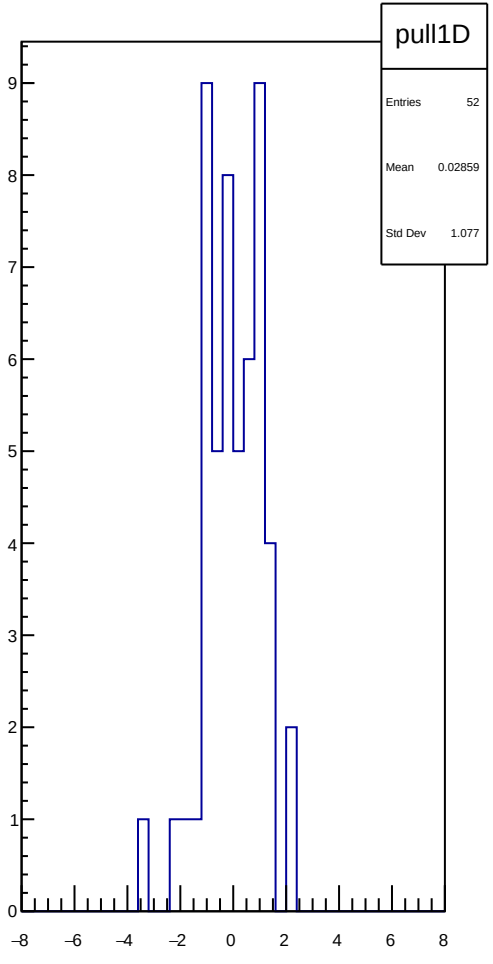
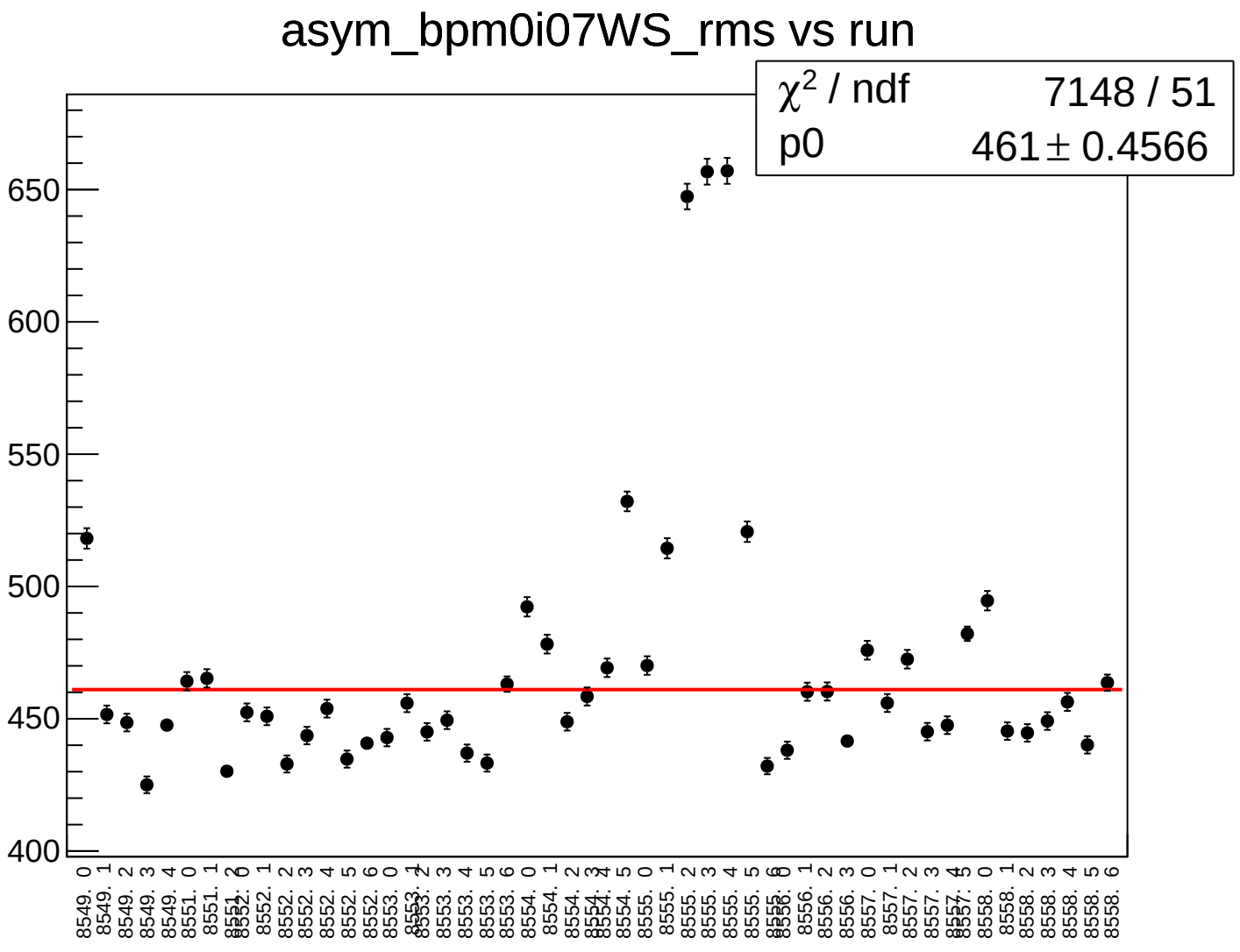
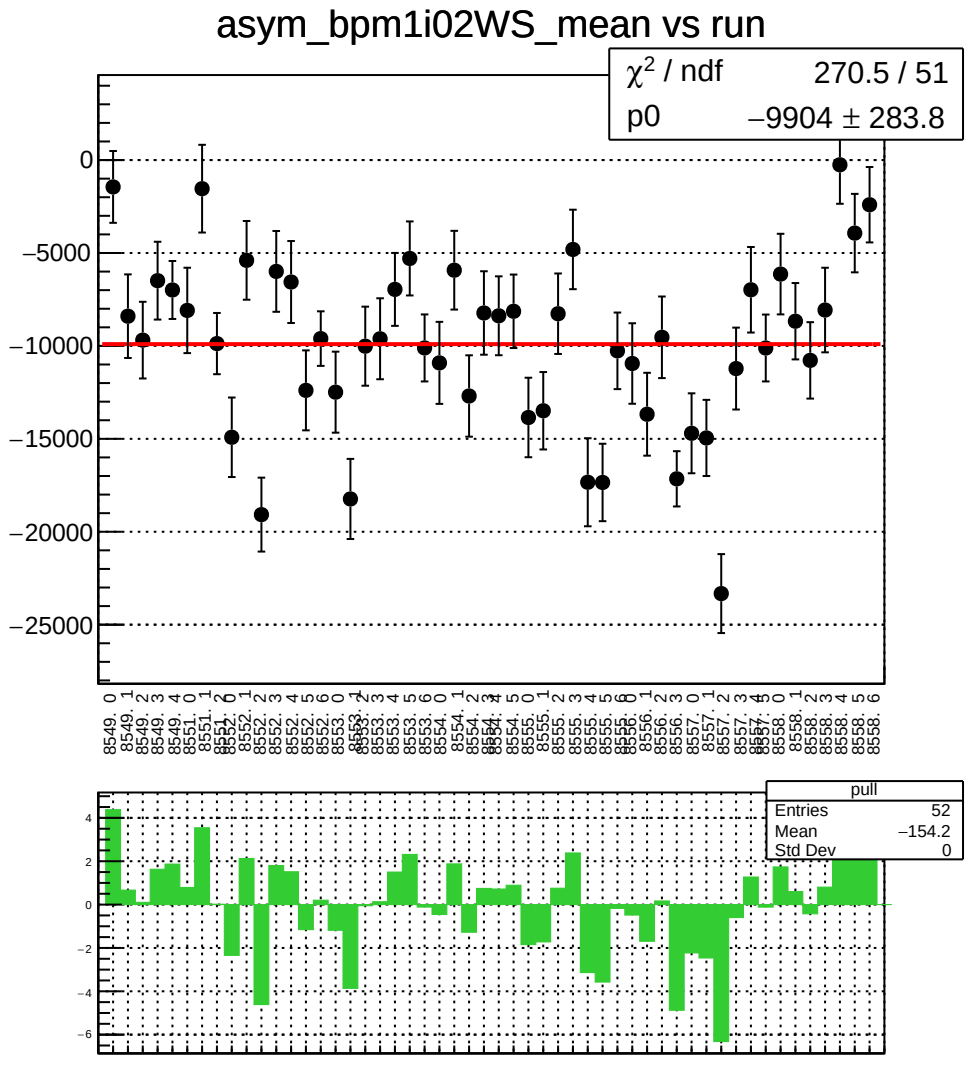
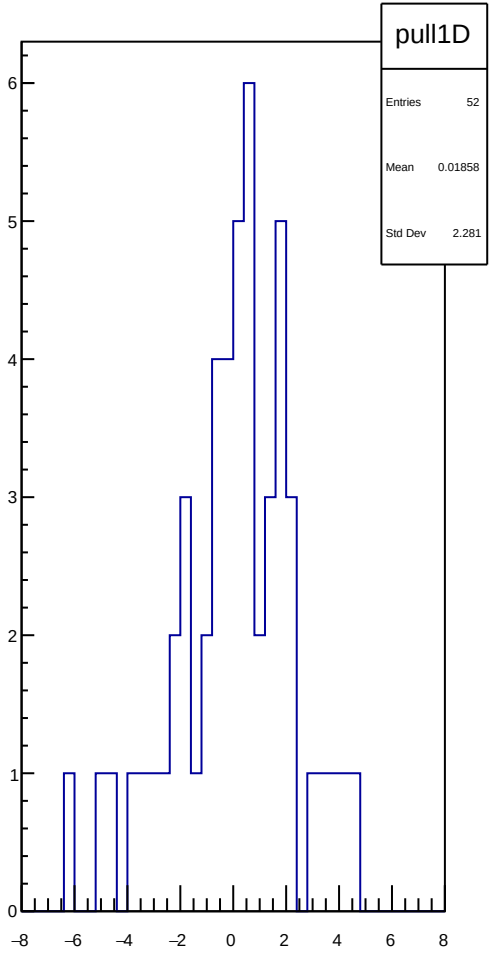
8558. 5
8558. 6

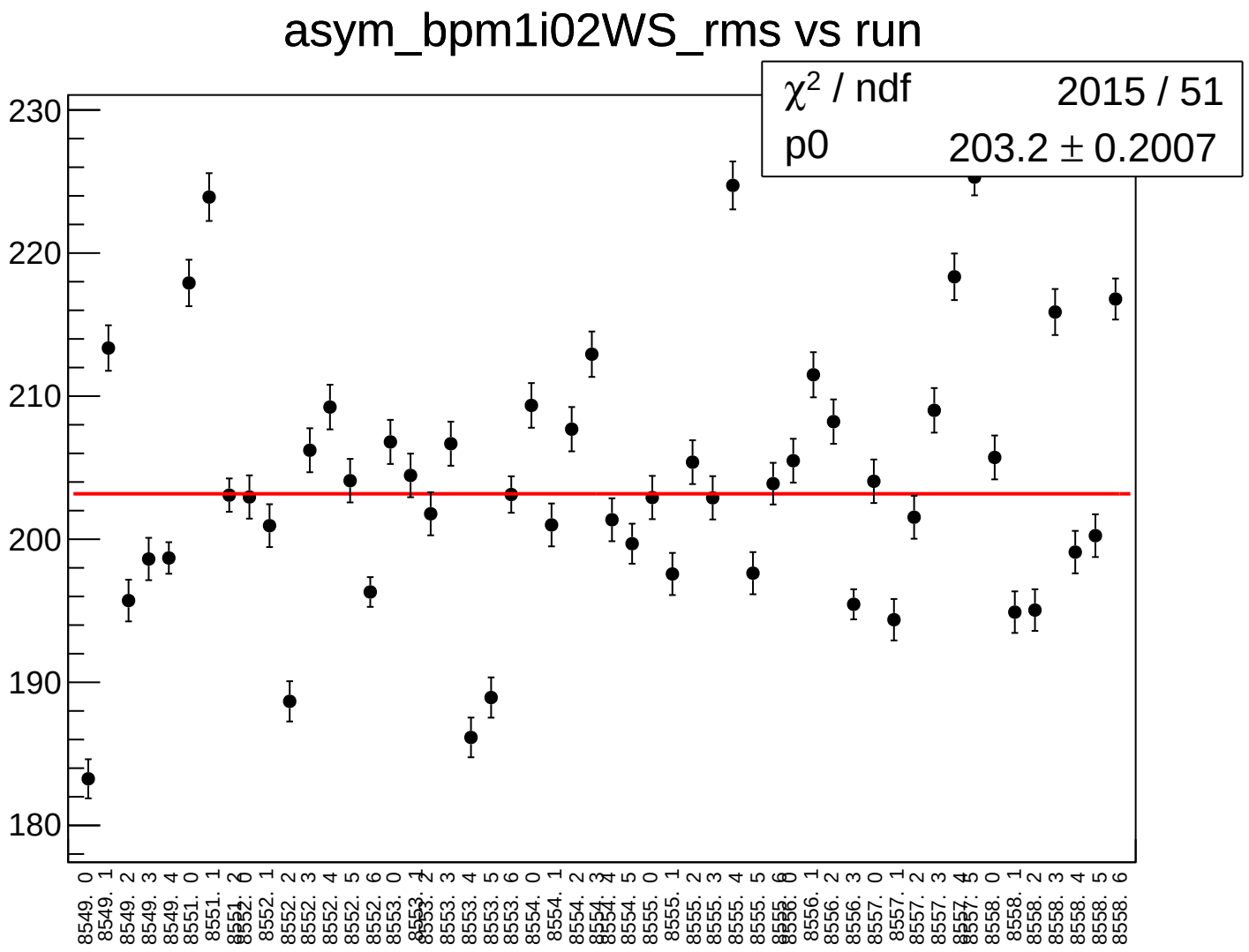

asym_bpm0i07WS_mean vs run
χ² / ndf 60.32 / 51
p0 −1.206e+04 ± 645.7
pull
Entries 52
Mean 147.9
Std Dev 0

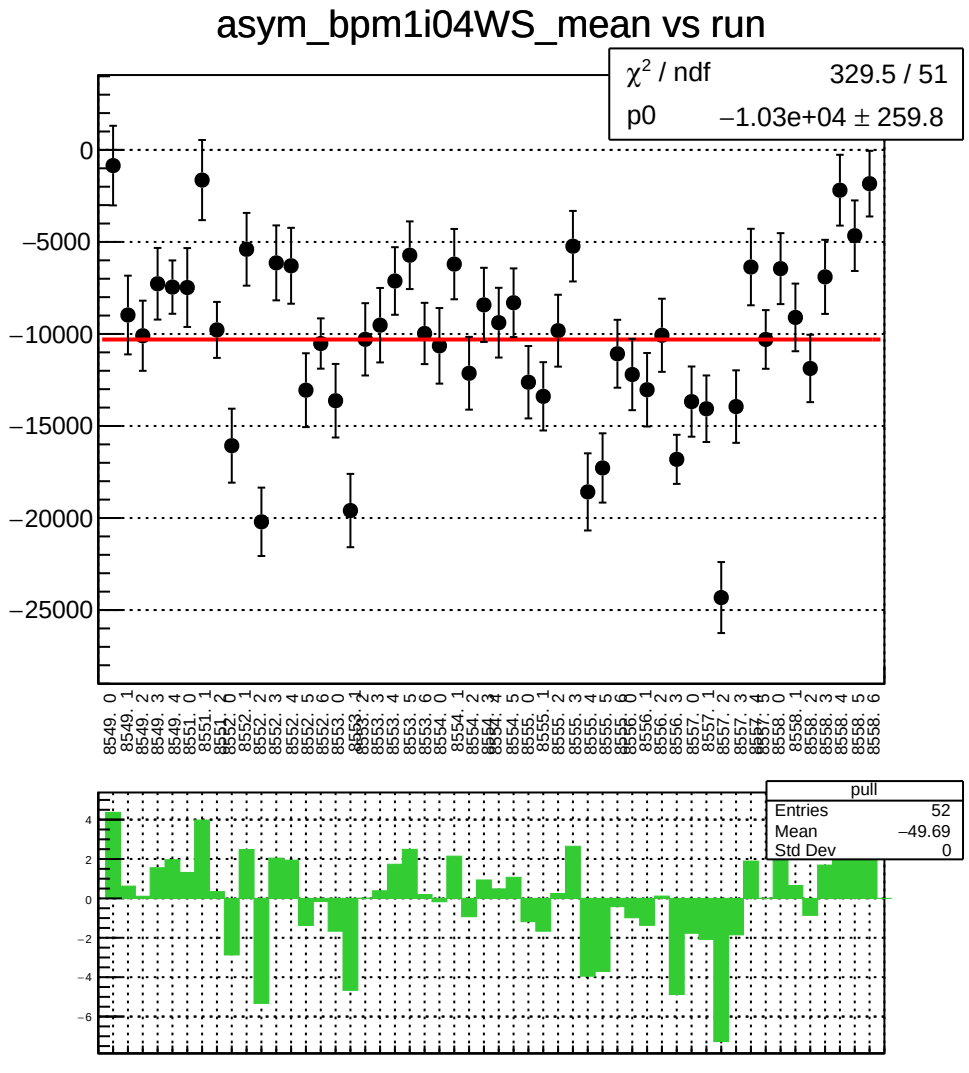

pull1D
Entries 52
Mean 0.02859
Std Dev 1.077

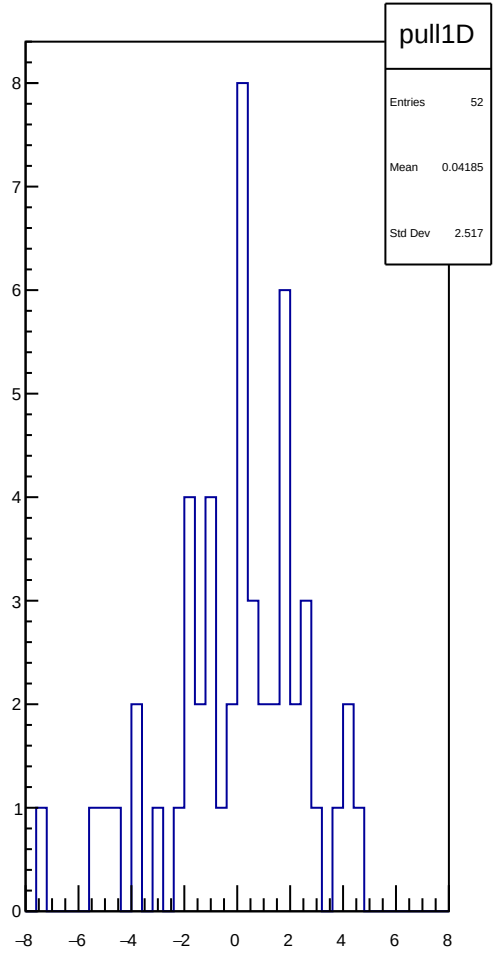

asym_bpm0i07WS_rms vs run
χ² / ndf 7148 / 51
p0 461 ± 0.4566
650
600
550
500
450
400
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 5
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

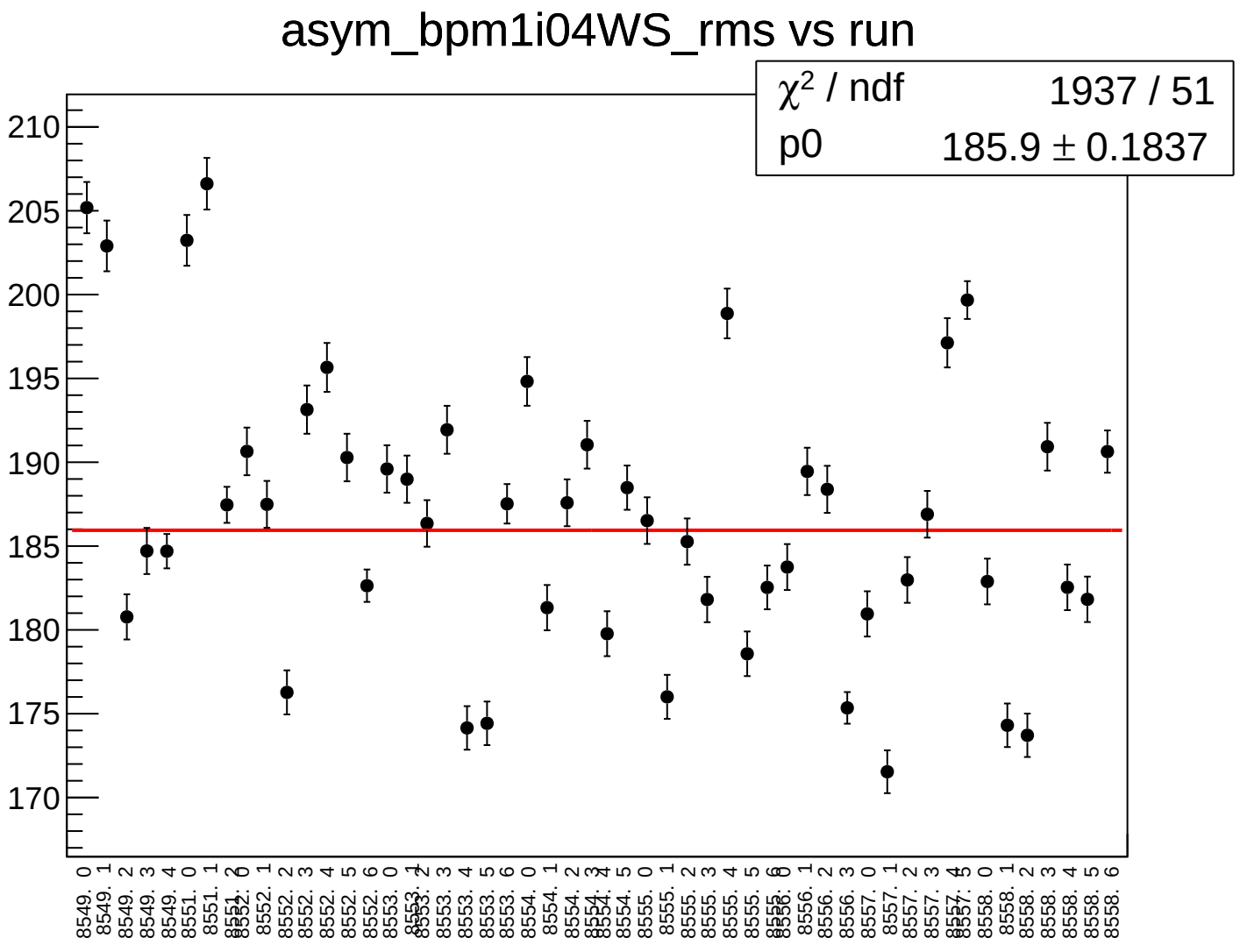

asym_bpm1i02WS_mean vs run
χ² / ndf 270.5 / 51
p0 −9904 ± 283.8
0
−5000
−10000
−15000
−20000
−25000
pull
Entries 52
Mean −154.2
Std Dev 0
4
2
0
−2
−4
−6


pull1D
Entries 52
Mean 0.01858
Std Dev 2.281
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


asym_bpm1i02WS_rms vs run
χ² / ndf 2015 / 51
p0 203.2 ± 0.2007
230
220
210
200
190
180
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6


asym_bpm1i04WS_mean vs run
χ² / ndf 329.5 / 51
p0 −1.03e+04 ± 259.8
0
−5000
−10000
−15000
−20000
−25000
pull
Entries 52
Mean −49.69
Std Dev 0
4
2
0
−2
−4
−6


pull1D
Entries 52
Mean 0.04185
Std Dev 2.517
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


asym_bpm1i04WS_rms vs run
χ² / ndf 1937 / 51
p0 185.9 ± 0.1837
210
205
200
195
190
185
180
175
170
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
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8553. 5
8553. 6
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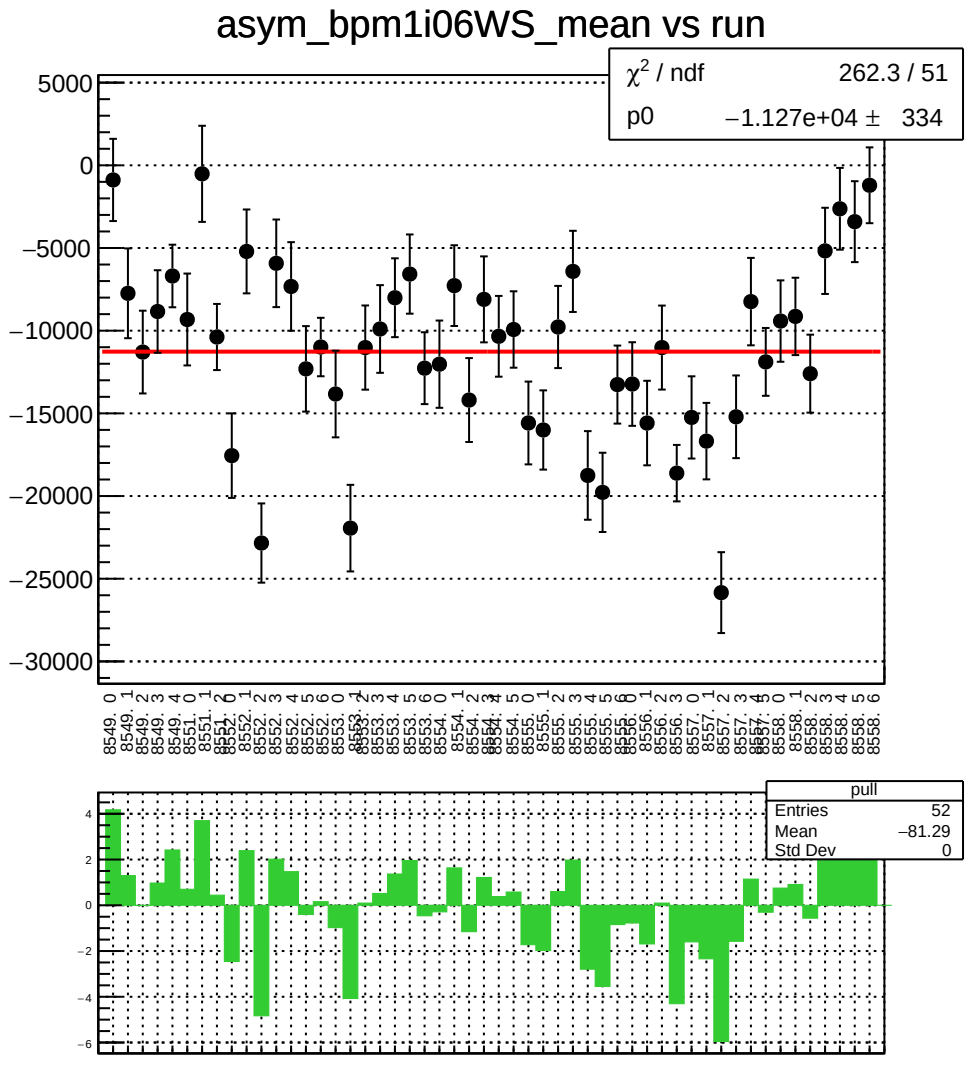
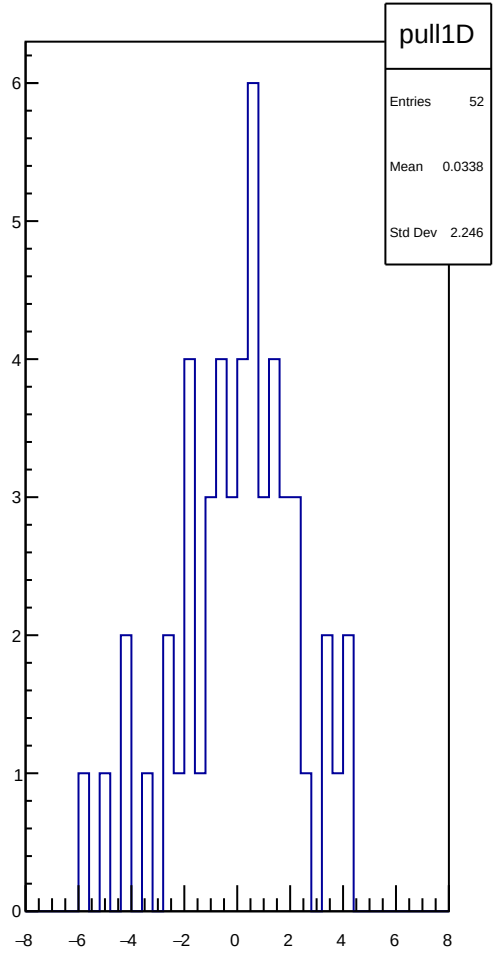
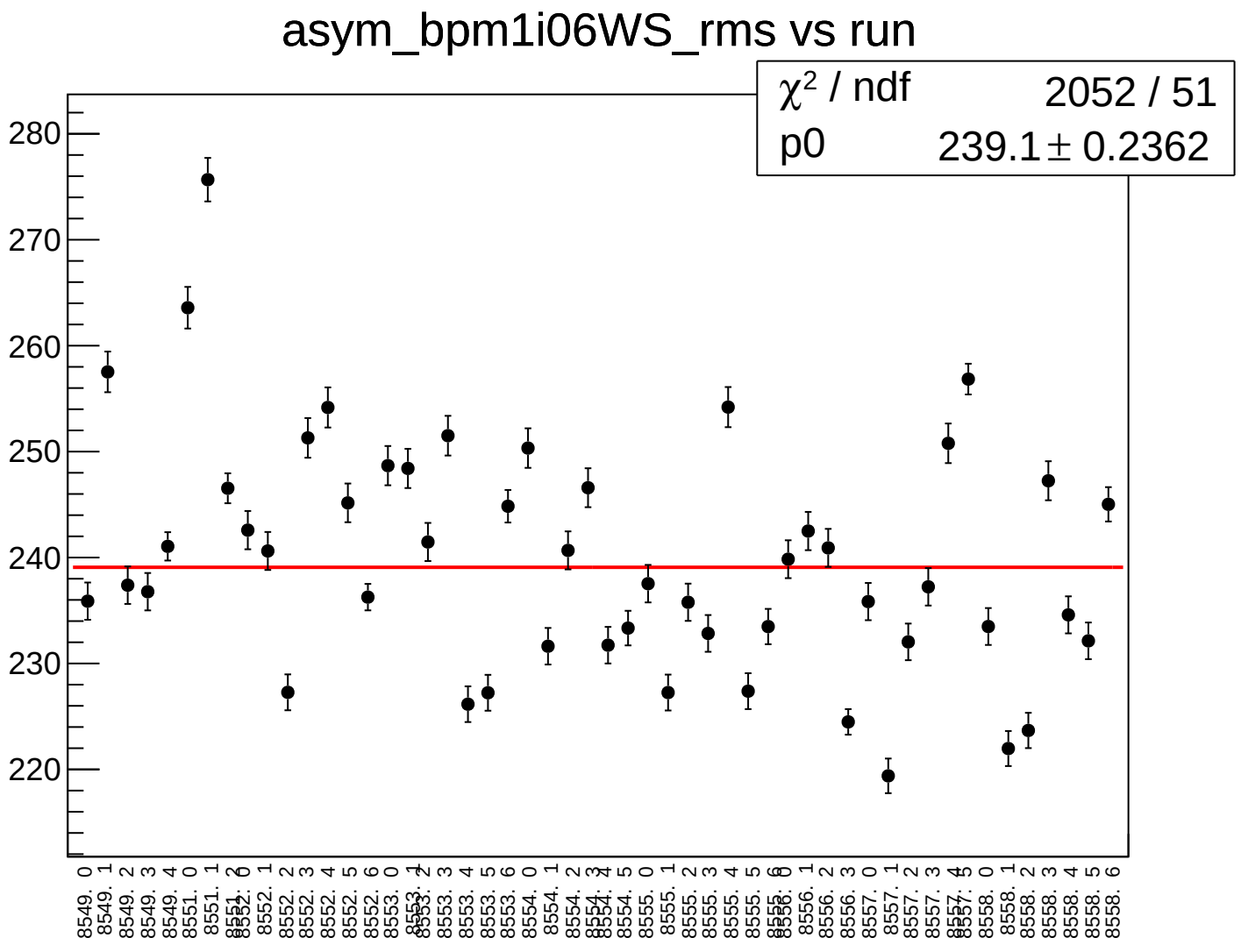
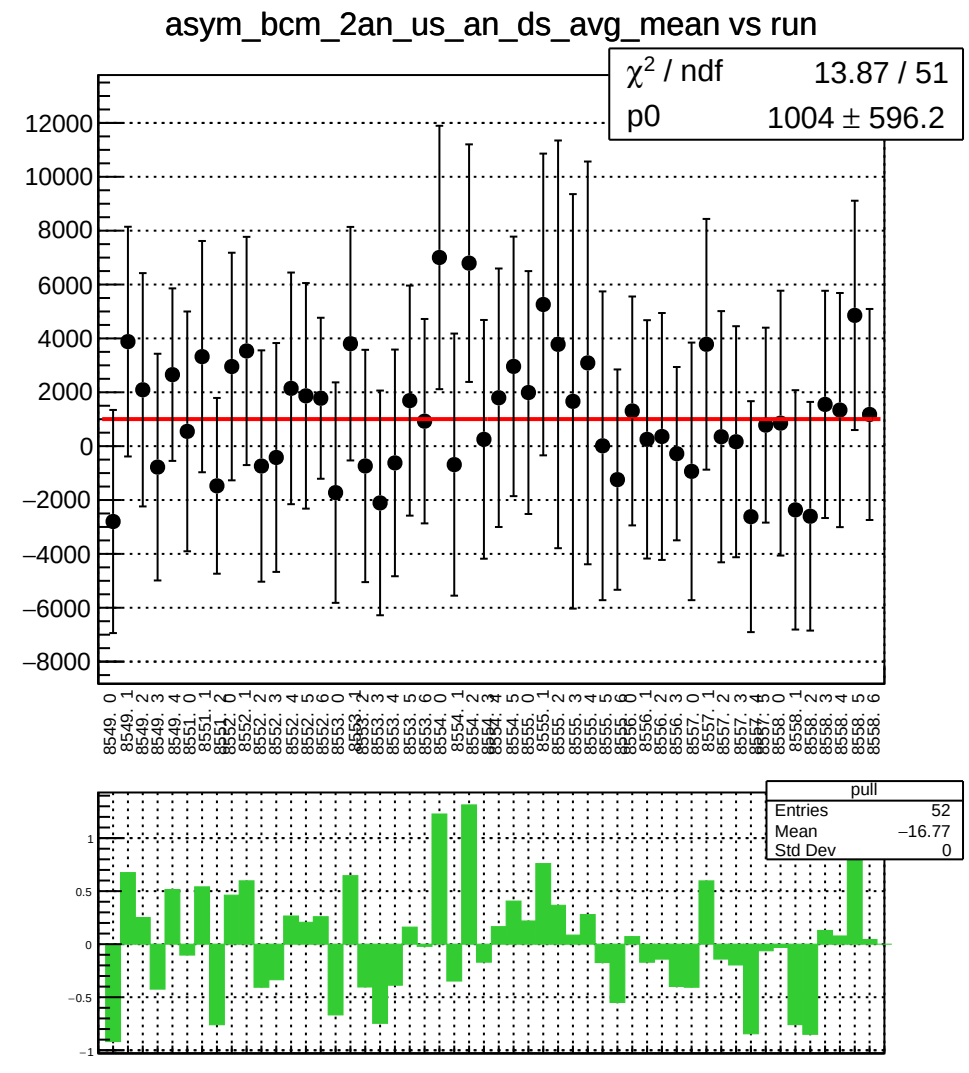
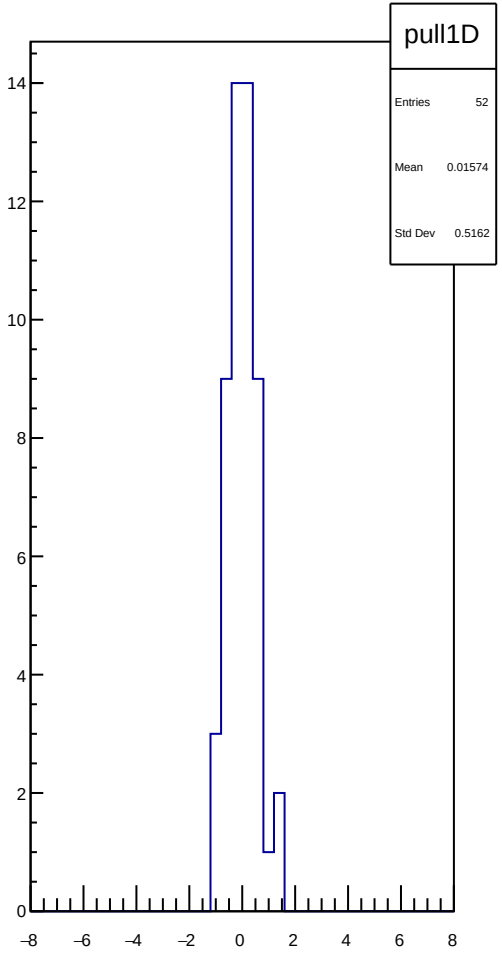
8554. 1
8554. 2
8554. 5
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

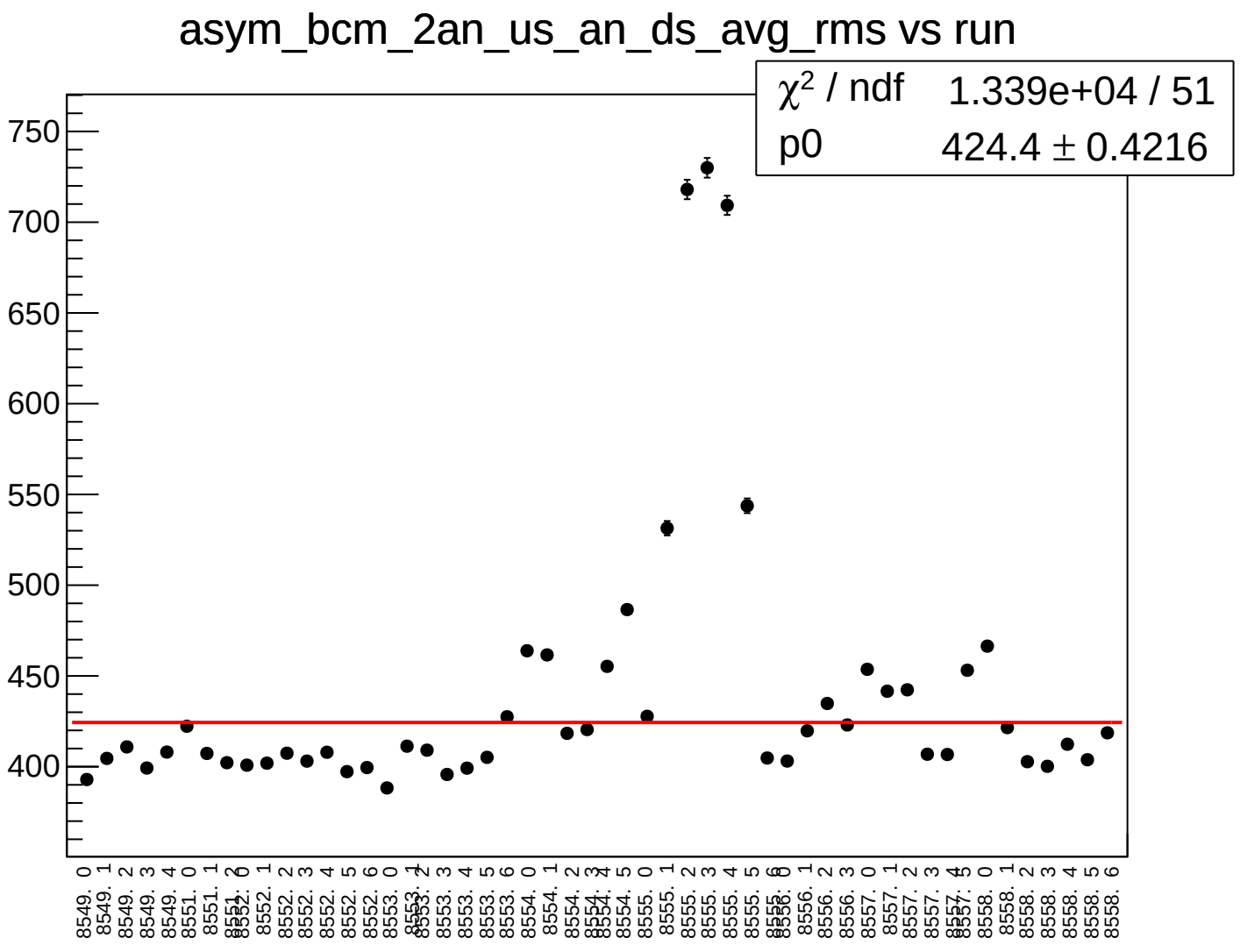

asym_bpm1i06WS_mean vs run
χ² / ndf 262.3 / 51
p0 −1.127e+04 ± 334
pull
Entries 52
Mean −81.29
Std Dev 0


pull1D
Entries 52
Mean 0.0338
Std Dev 2.246


asym_bpm1i06WS_rms vs run
χ² / ndf 2052 / 51
p0 239.1 ± 0.2362
280
270
260
250
240
230
220
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 5
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6


asym_bcm_2an_us_an_ds_avg_mean vs run
χ² / ndf 13.87 / 51
p0 1004 ± 596.2
pull
Entries 52
Mean −16.77
Std Dev 0


pull1D
Entries 52
Mean 0.01574
Std Dev 0.5162


asym_bcm_2an_us_an_ds_avg_rms vs run
χ² / ndf 1.339e+04 / 51
p0 424.4 ± 0.4216
750
700
650
600
550
500
450
400
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 5
8555. 0
8555. 1
8555. 2
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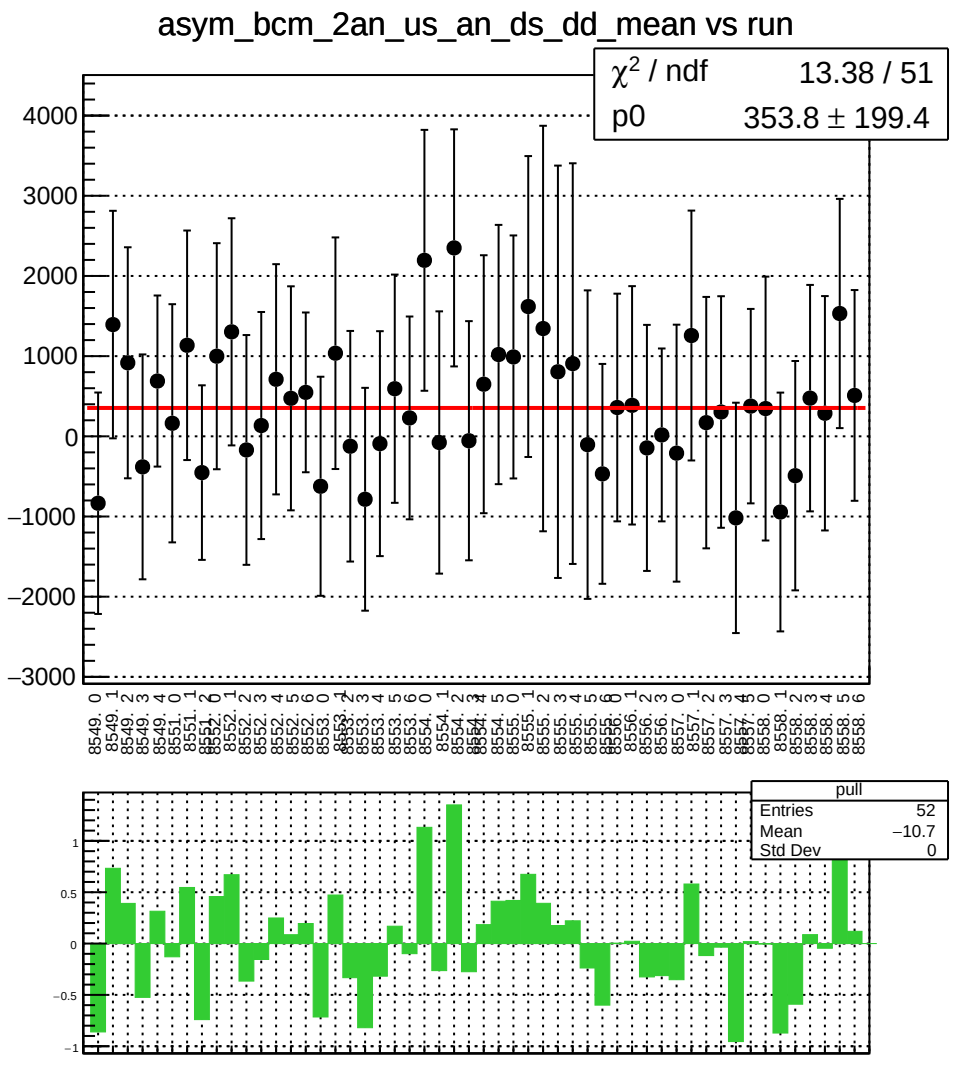
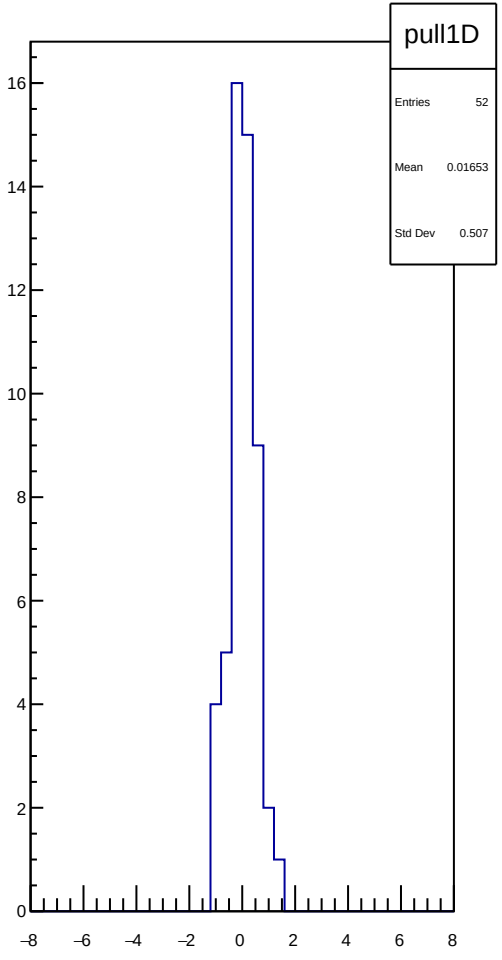
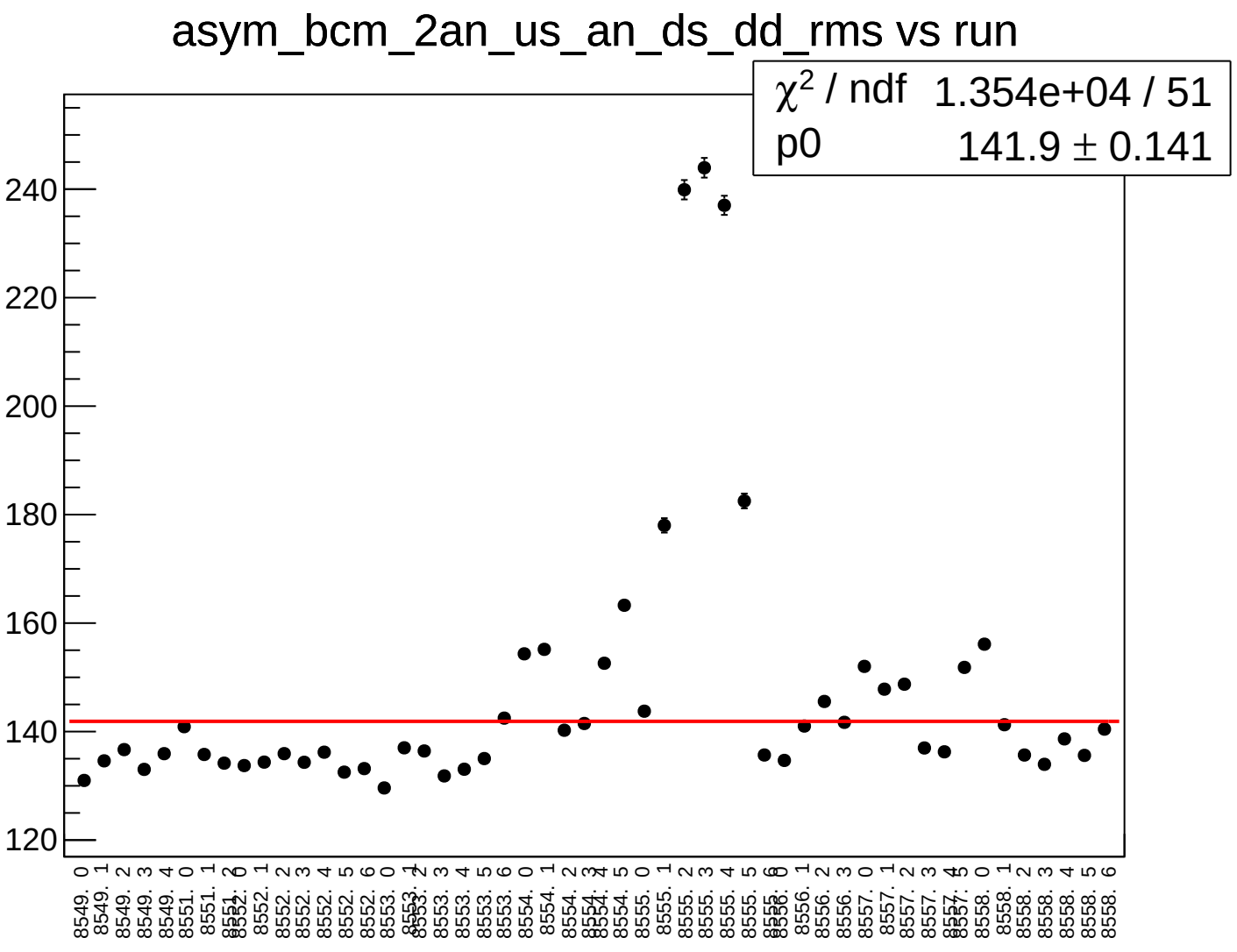
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6


asym_bcm_2an_us_an_ds_dd_mean vs run
χ² / ndf 13.38 / 51
p0 353.8 ± 199.4
pull
Entries 52
Mean −10.7
Std Dev 0


pull1D
Entries 52
Mean 0.01653
Std Dev 0.507


asym_bcm_2an_us_an_ds_dd_rms vs run
χ² / ndf 1.354e+04 / 51
p0 141.9 ± 0.141
240
220
200
180
160
140
120
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 5
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
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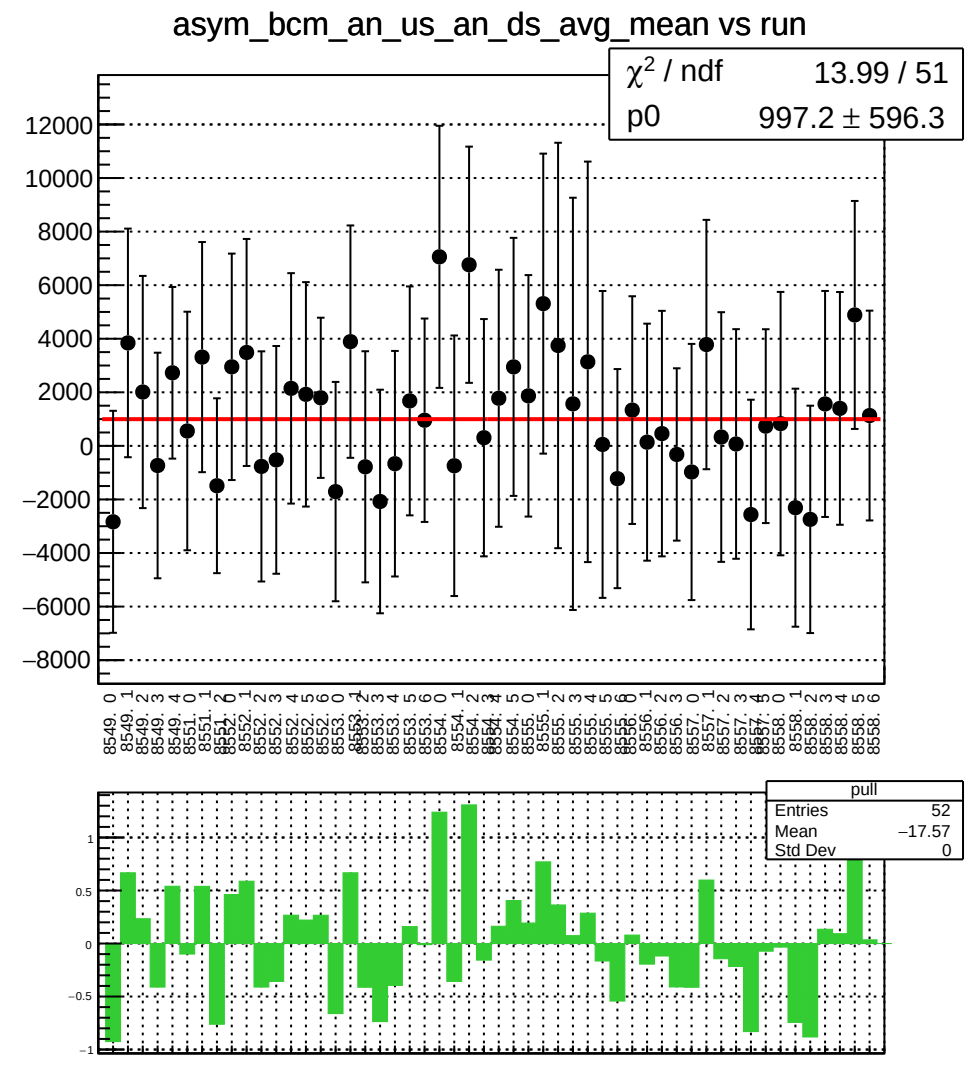
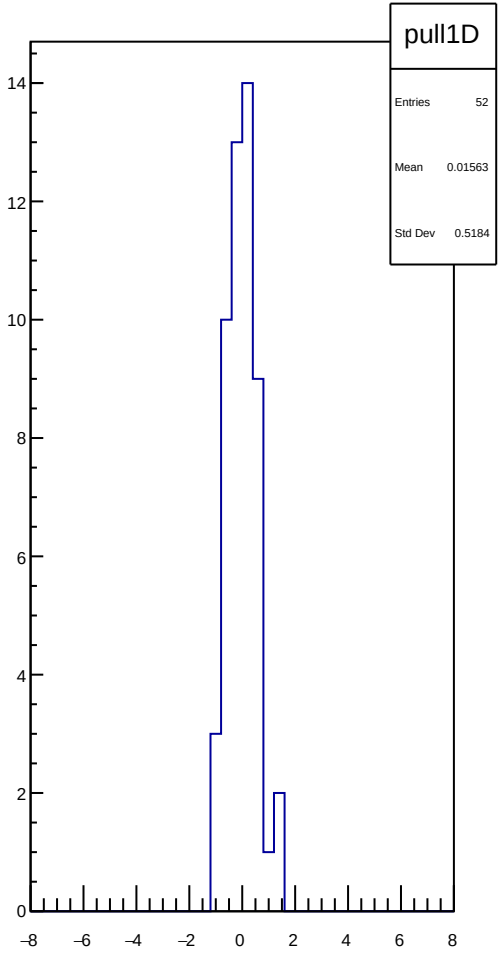
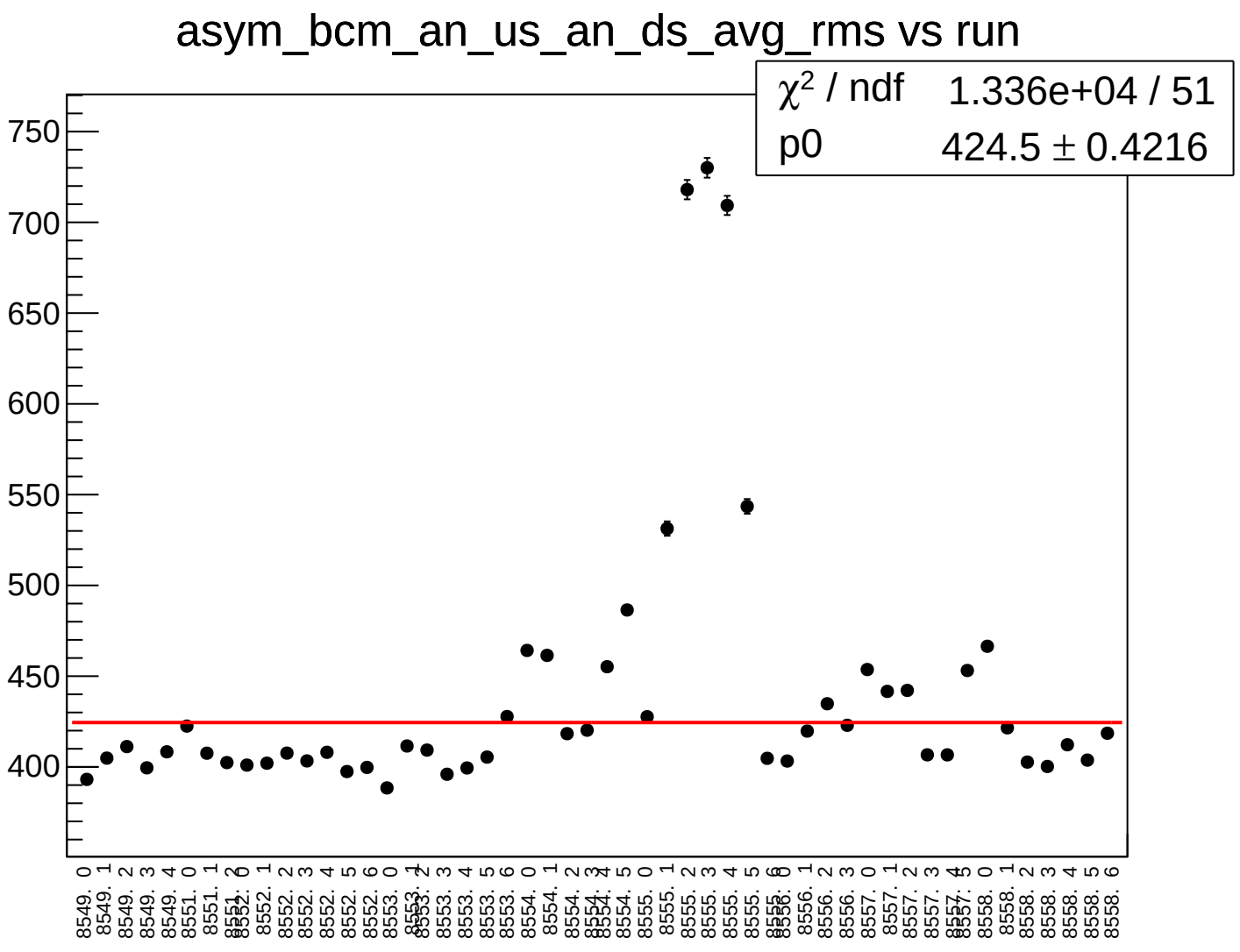
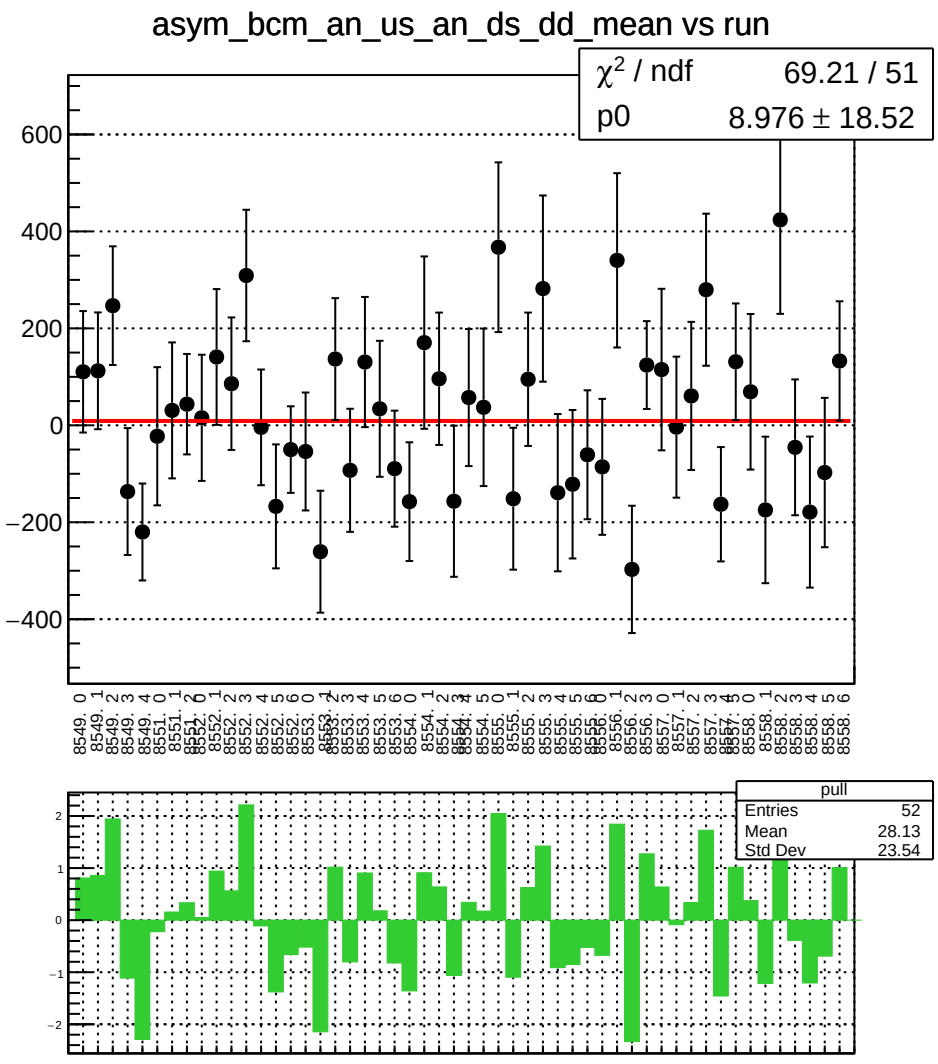
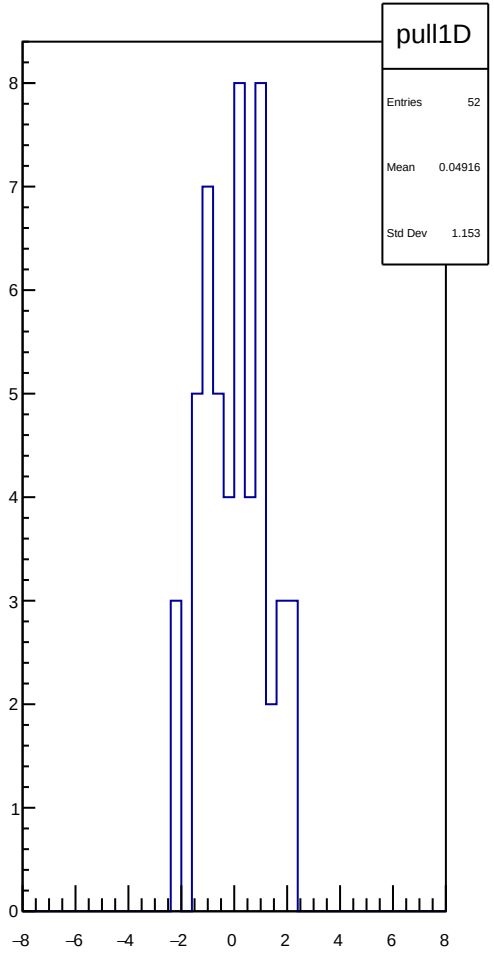
8558. 5
8558. 6

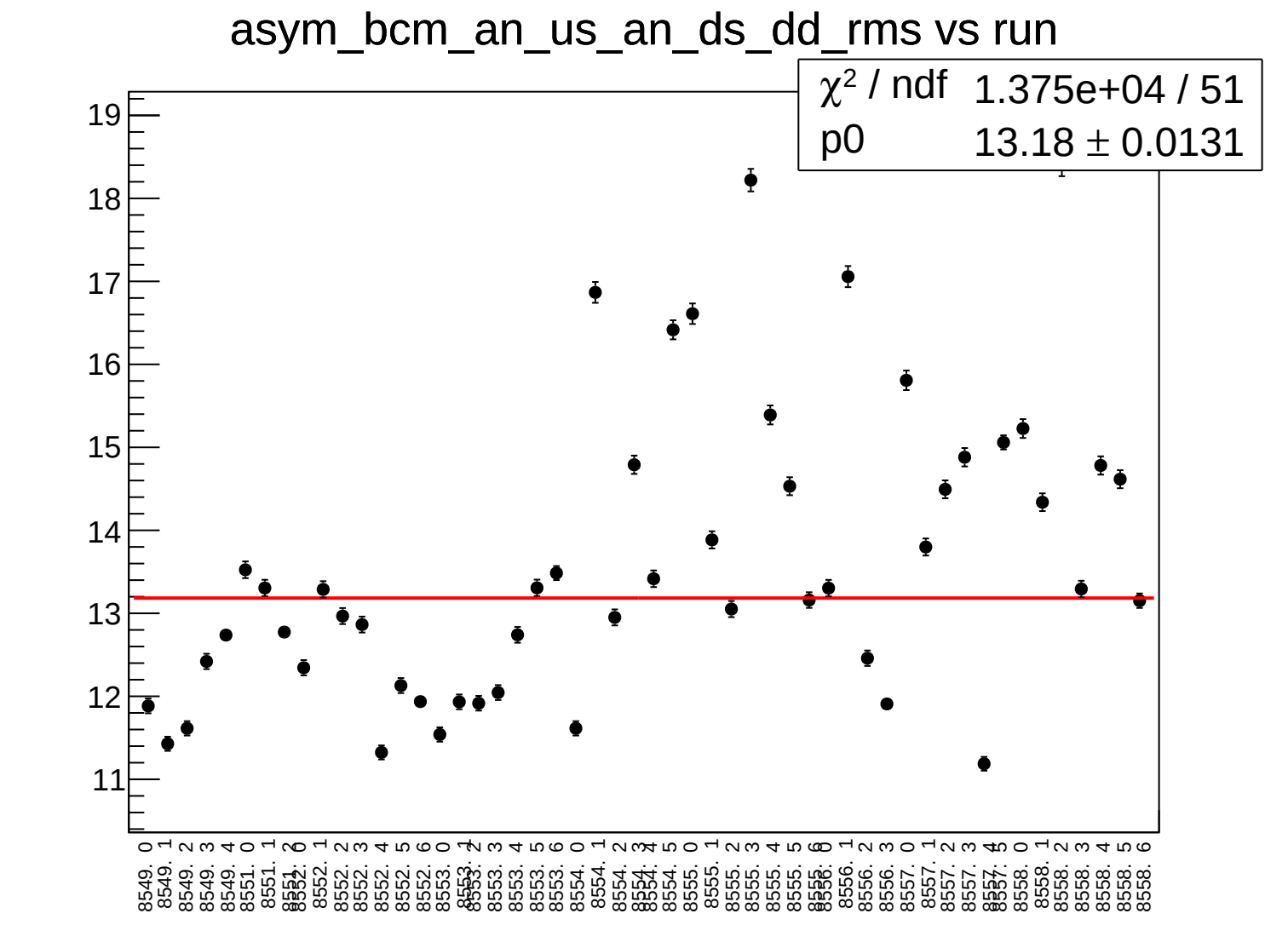

asym_bcm_an_us_an_ds_avg_mean vs run
χ² / ndf 13.99 / 51
p0 997.2 ± 596.3
pull
Entries 52
Mean −17.57
Std Dev 0

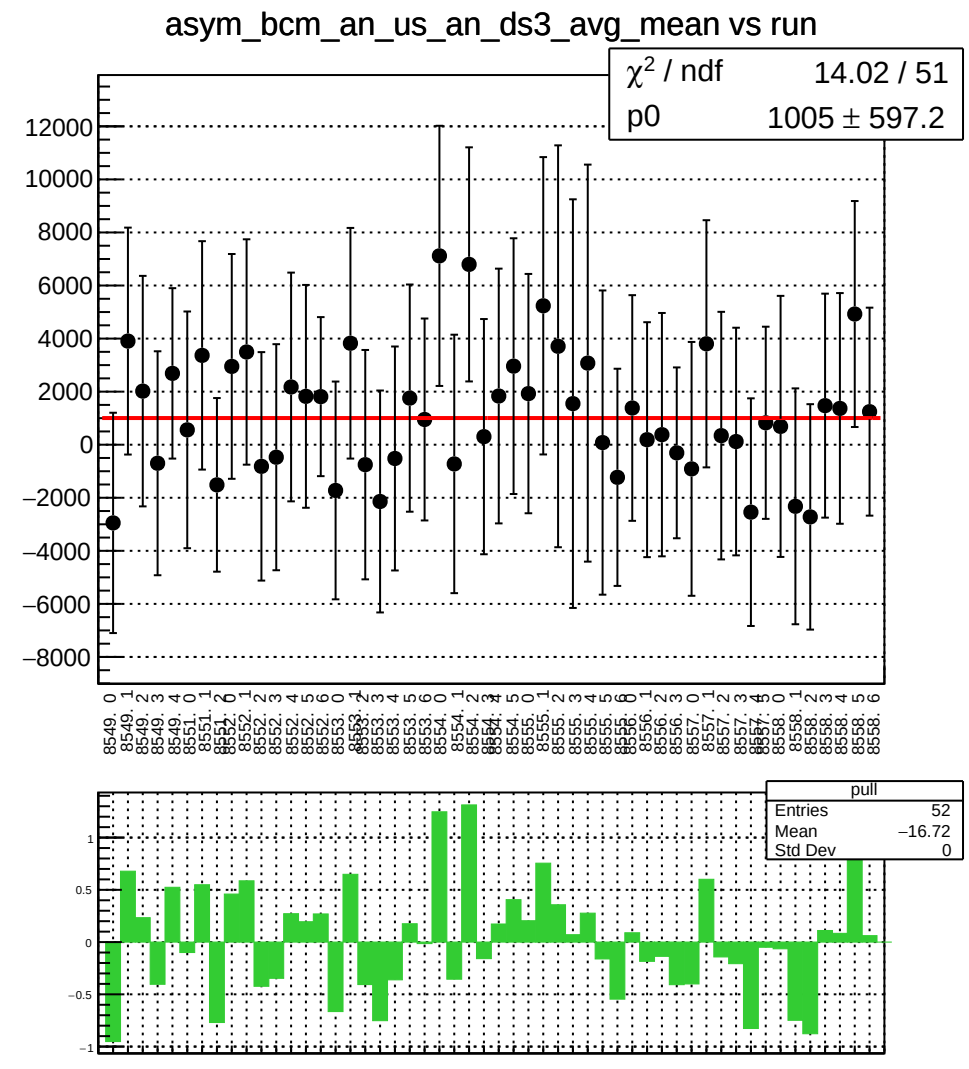

pull1D
Entries 52
Mean 0.01563
Std Dev 0.5184

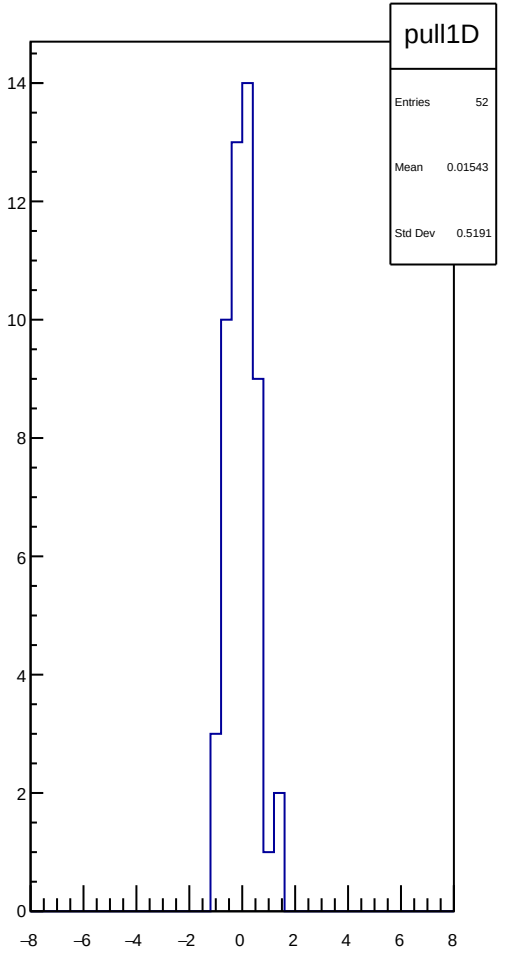

asym_bcm_an_us_an_ds_avg_rms vs run
χ² / ndf 1.336e+04 / 51
p0 424.5 ± 0.4216
750
700
650
600
550
500
450
400
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 5
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

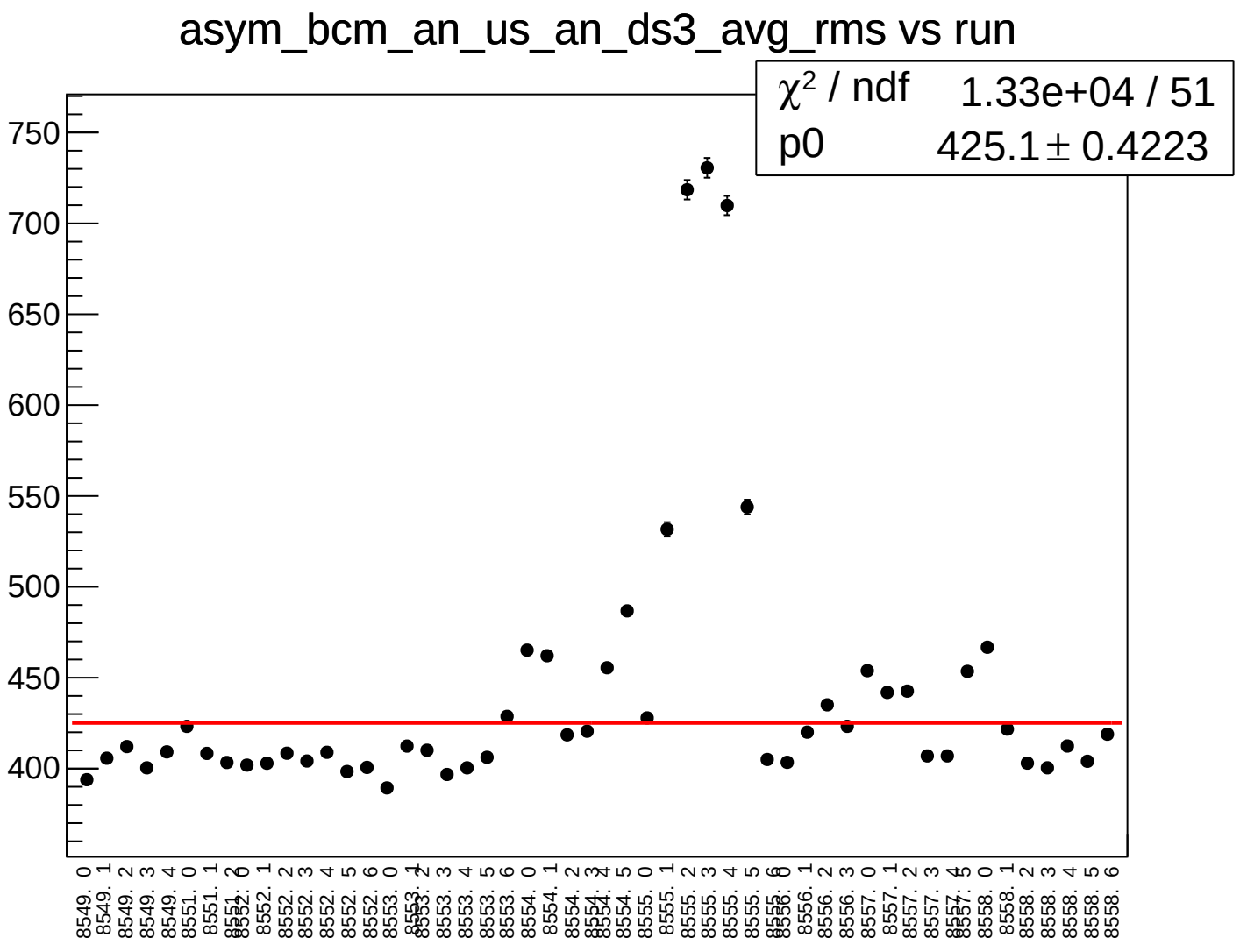

asym_bcm_an_us_an_ds_dd_mean vs run
χ² / ndf 69.21 / 51
p0 8.976 ± 18.52
pull
Entries 52
Mean 28.13
Std Dev 23.54

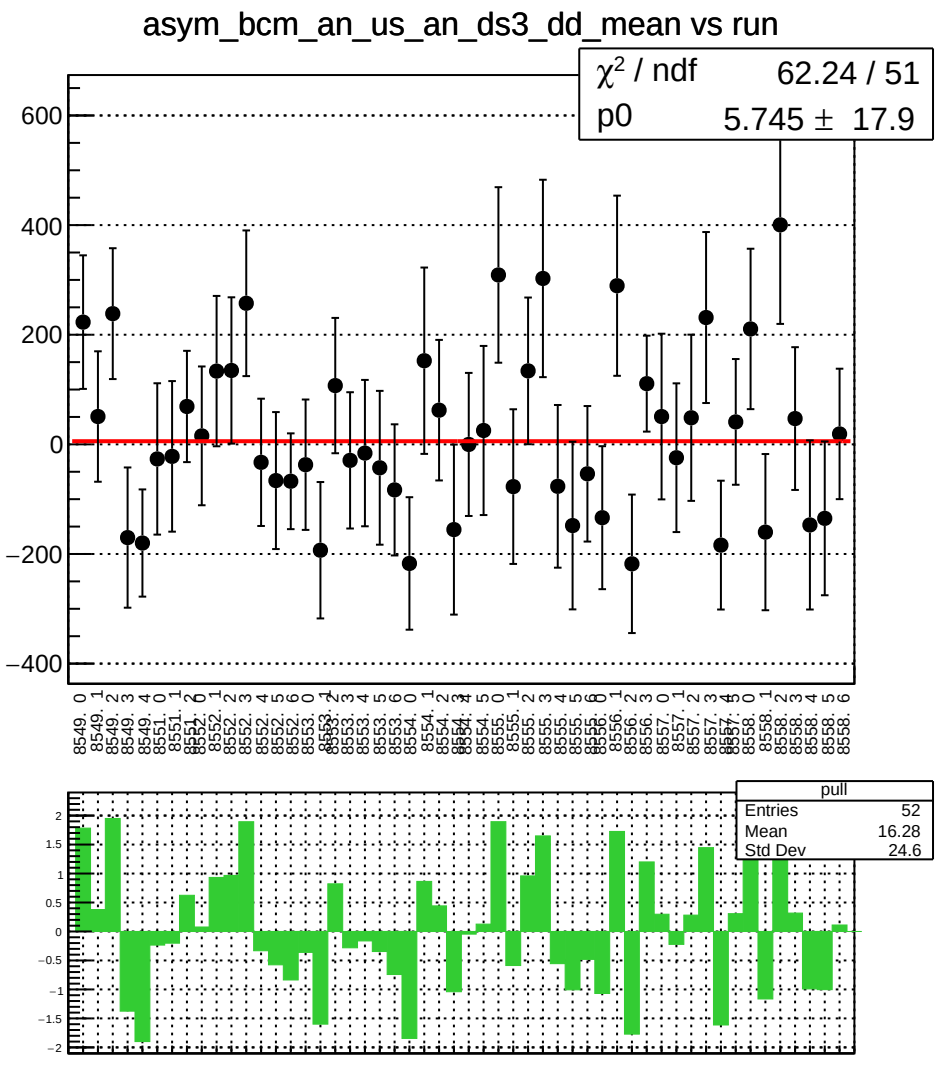

pull1D
Entries 52
Mean 0.04916
Std Dev 1.153

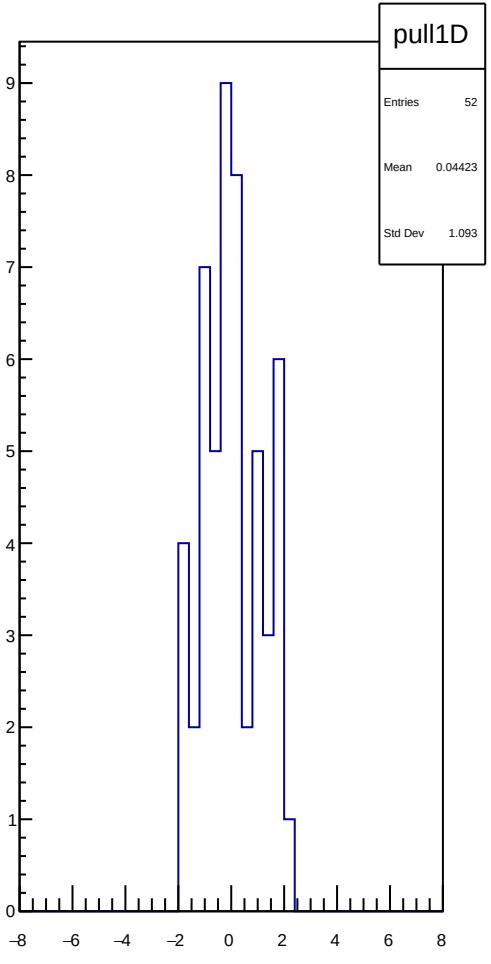

asym_bcm_an_us_an_ds_dd_rms vs run
χ² / ndf 1.375e+04 / 51
p0 13.18 ± 0.0131
19
18
17
16
15
14
13
12
11
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 5
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

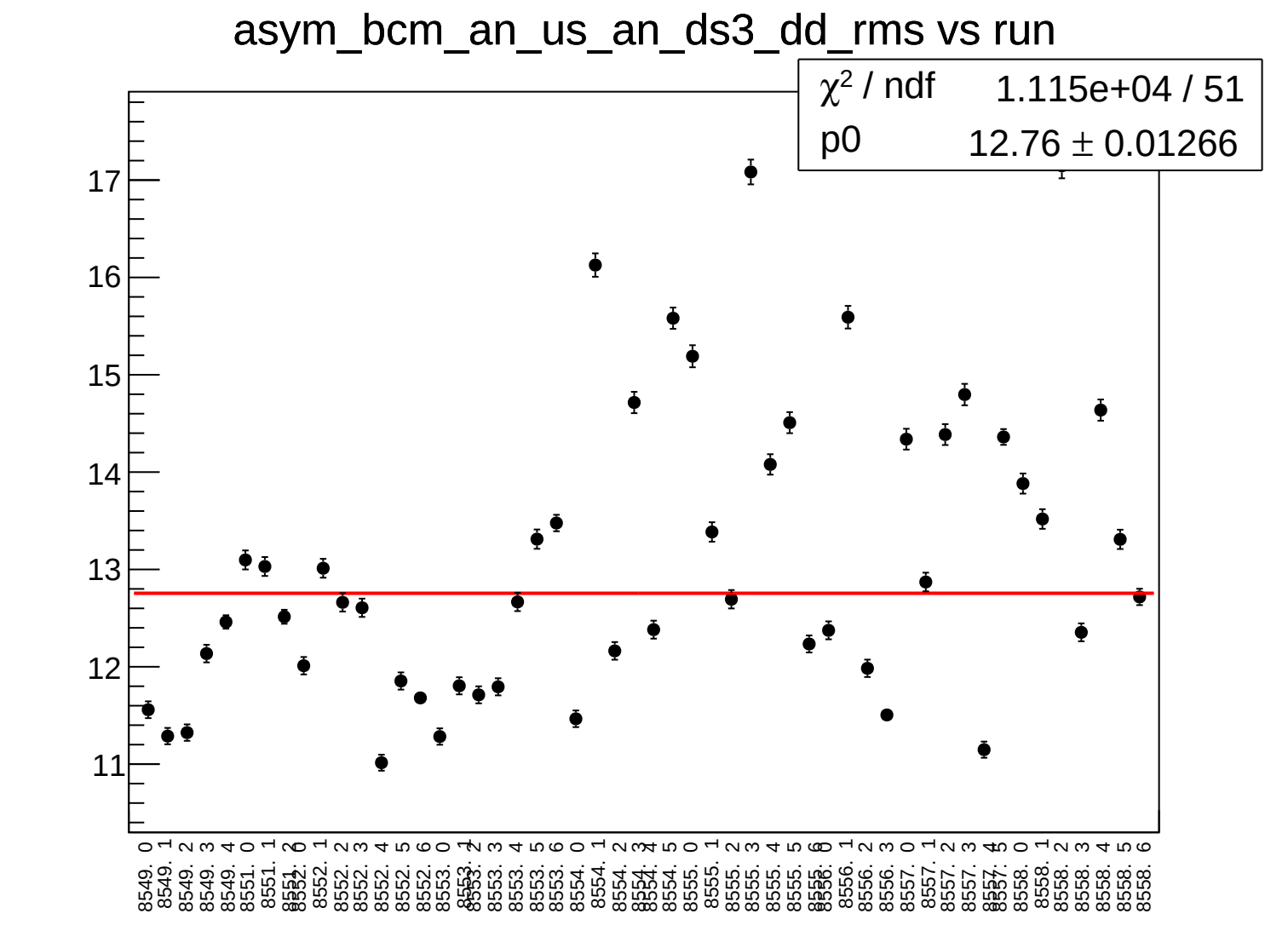

asym_bcm_an_us_an_ds3_avg_mean vs run
χ² / ndf 14.02 / 51
p0 1005 ± 597.2
pull
Entries 52
Mean −16.72
Std Dev 0

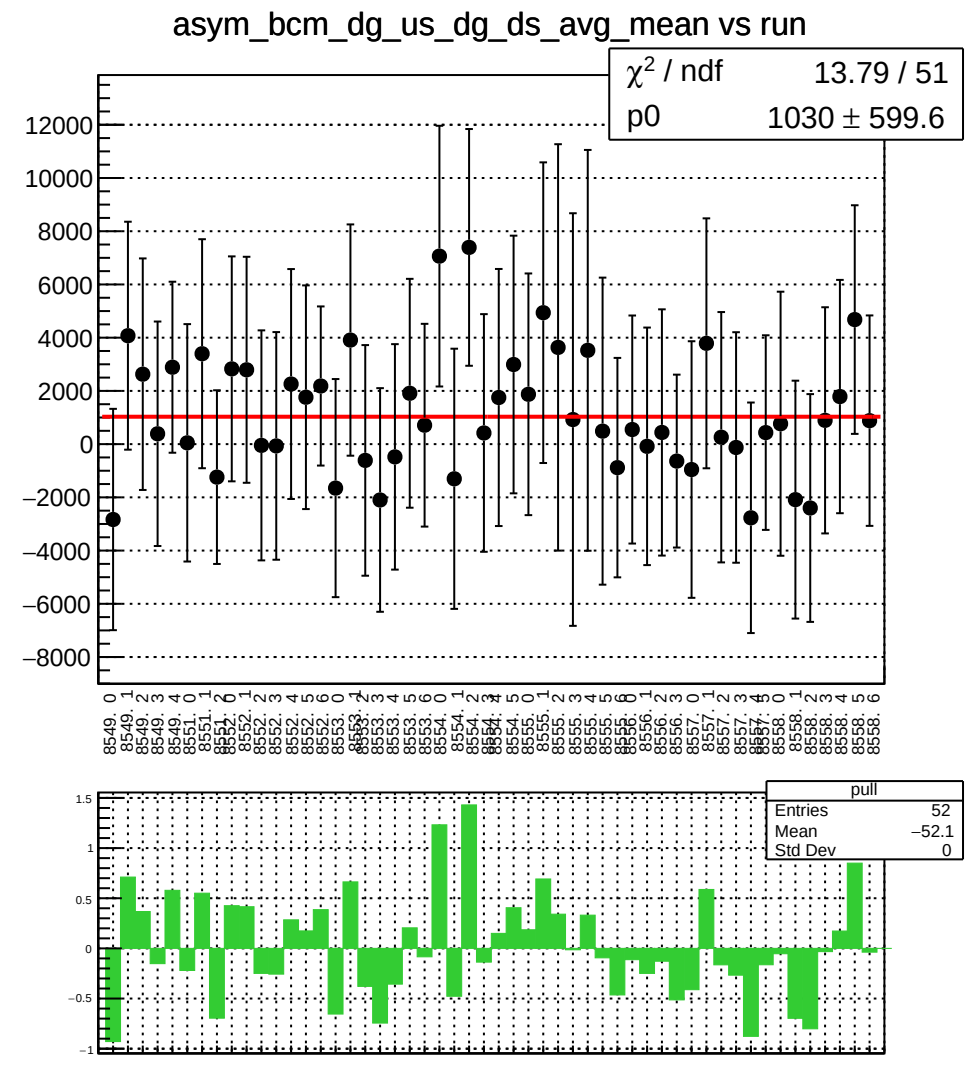

pull1D
Entries 52
Mean 0.01543
Std Dev 0.5191

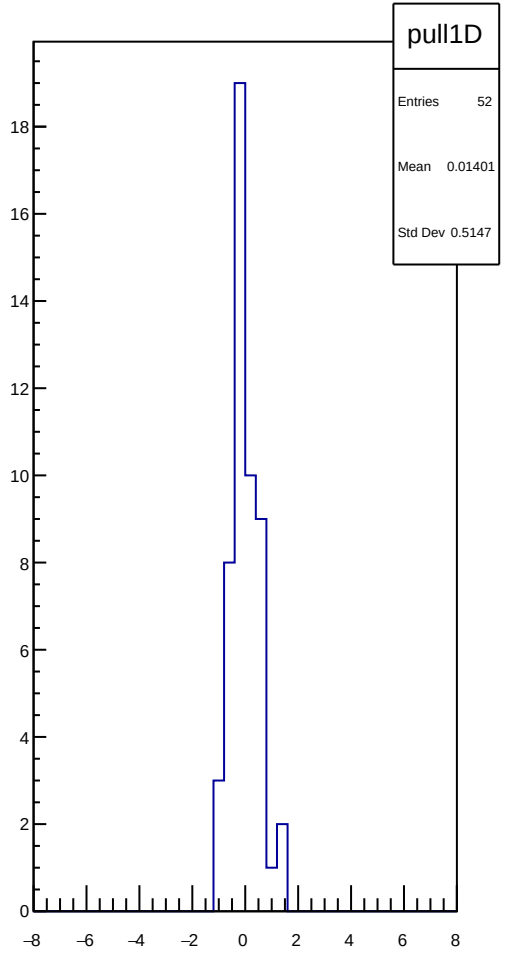

asym_bcm_an_us_an_ds3_avg_rms vs run
χ² / ndf 1.33e+04 / 51
p0 425.1 ± 0.4223
750
700
650
600
550
500
450
400
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 2
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 5
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

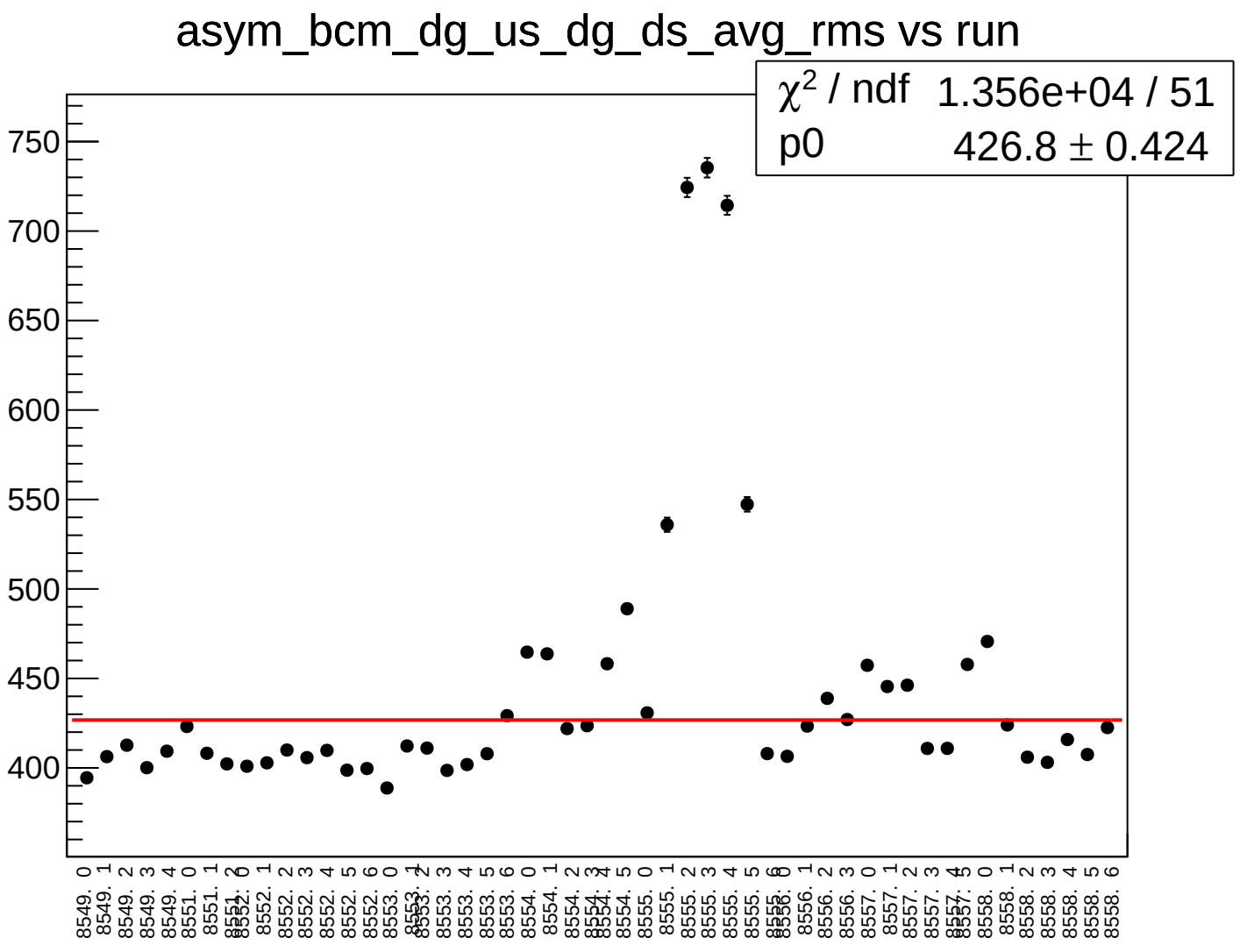

asym_bcm_an_us_an_ds3_dd_mean vs run
χ² / ndf 62.24 / 51
p0 5.745 ± 17.9
pull
Entries 52
Mean 16.28
Std Dev 24.6

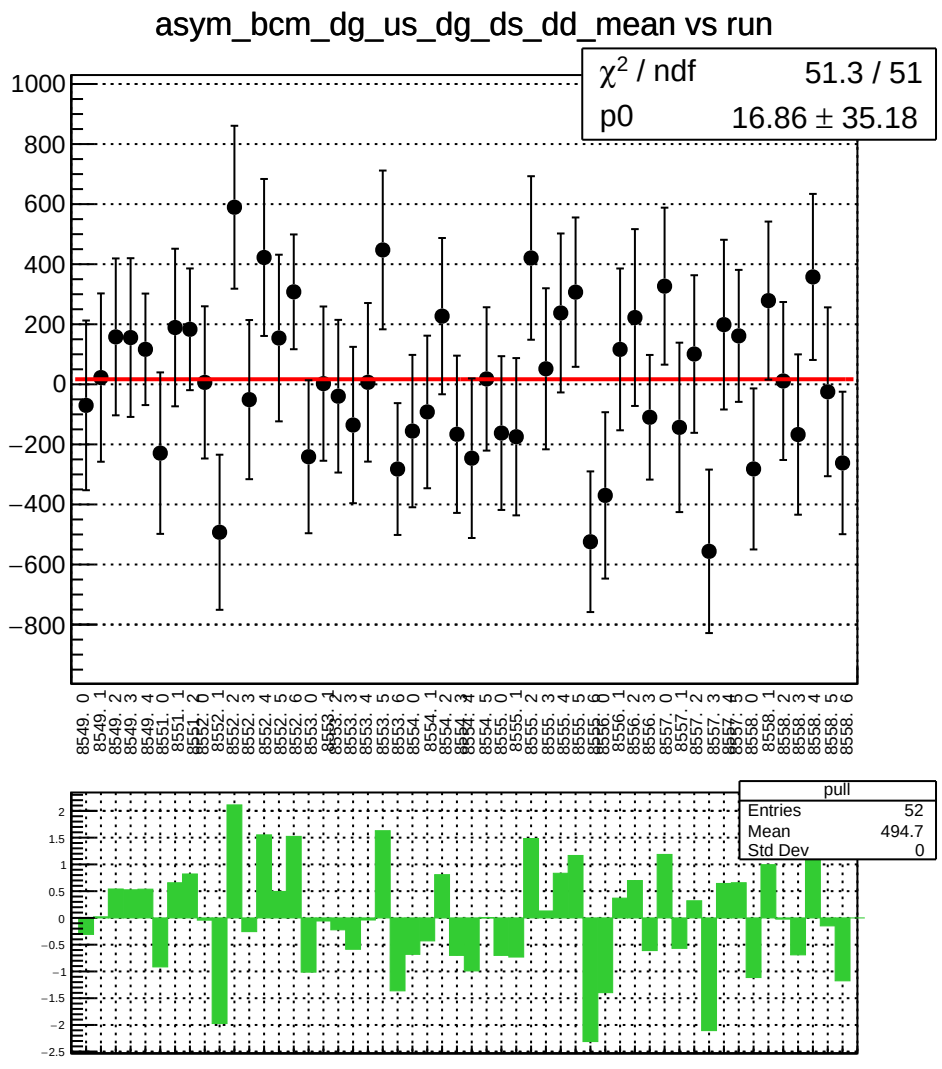

pull1D
Entries 52
Mean 0.04423
Std Dev 1.093

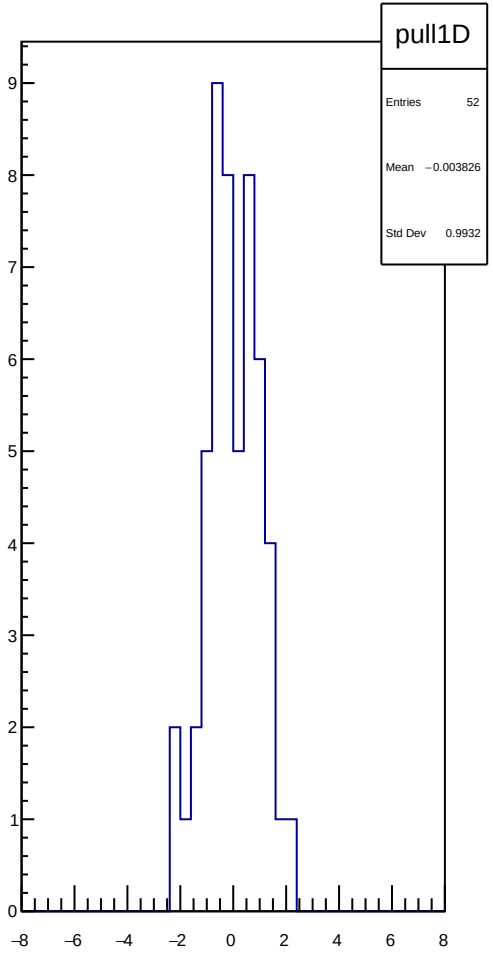

asym_bcm_an_us_an_ds3_dd_rms vs run
χ² / ndf 1.115e+04 / 51
p0 12.76 ± 0.01266
17
16
15
14
13
12
11
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 5
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

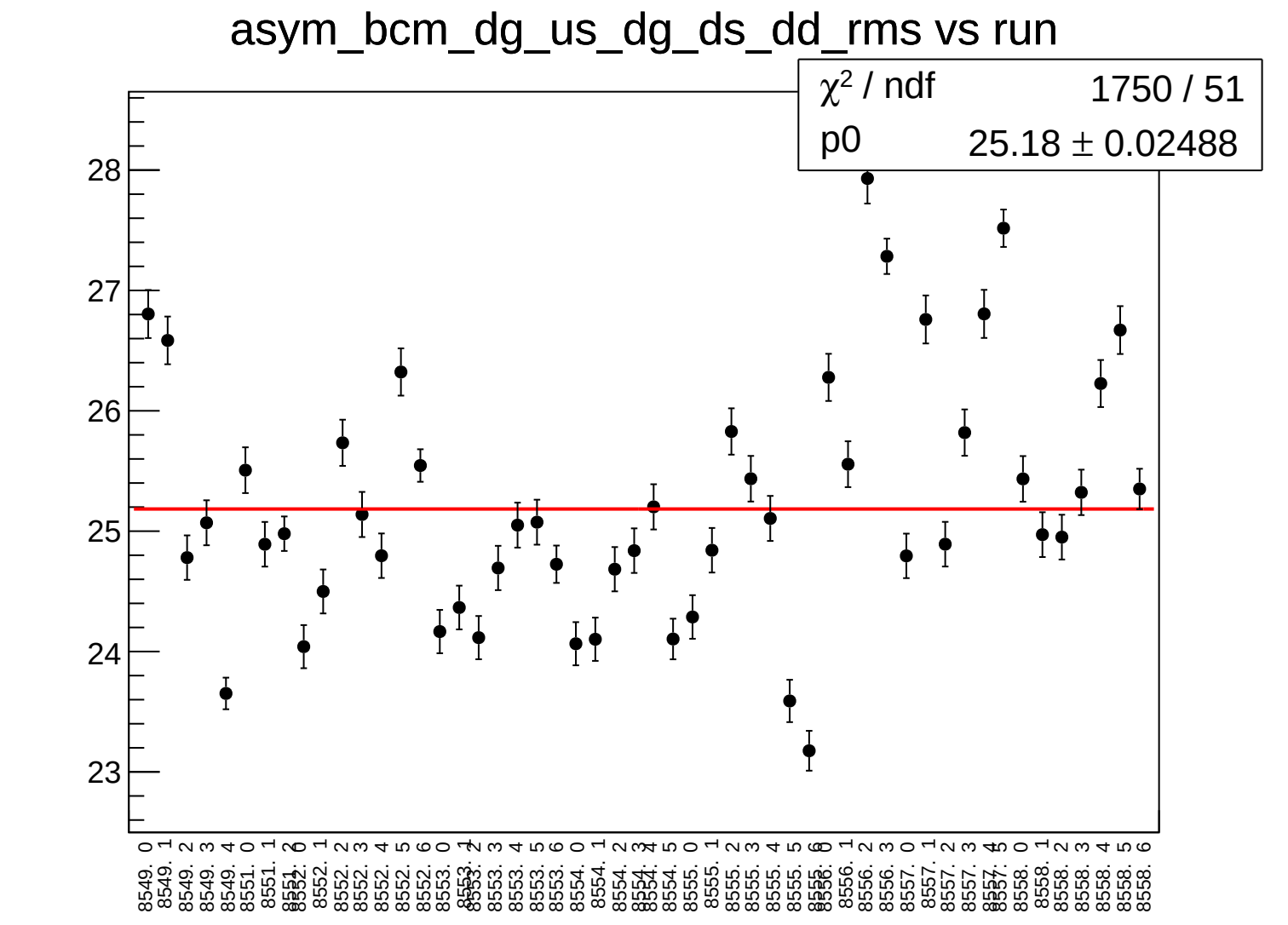

asym_bcm_dg_us_dg_ds_avg_mean vs run
χ² / ndf 13.79 / 51
p0 1030 ± 599.6
pull
Entries 52
Mean −52.1
Std Dev 0


pull1D
Entries 52
Mean 0.01401
Std Dev 0.5147


asym_bcm_dg_us_dg_ds_avg_rms vs run
χ² / ndf 1.356e+04 / 51
p0 426.8 ± 0.424
750
700
650
600
550
500
450
400
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 5
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6


asym_bcm_dg_us_dg_ds_dd_mean vs run
χ² / ndf 51.3 / 51
p0 16.86 ± 35.18
pull
Entries 52
Mean 494.7
Std Dev 0


pull1D
Entries 52
Mean −0.003826
Std Dev 0.9932


asym_bcm_dg_us_dg_ds_dd_rms vs run
χ² / ndf 1750 / 51
p0 25.18 ± 0.02488
28
27
26
25
24
23
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
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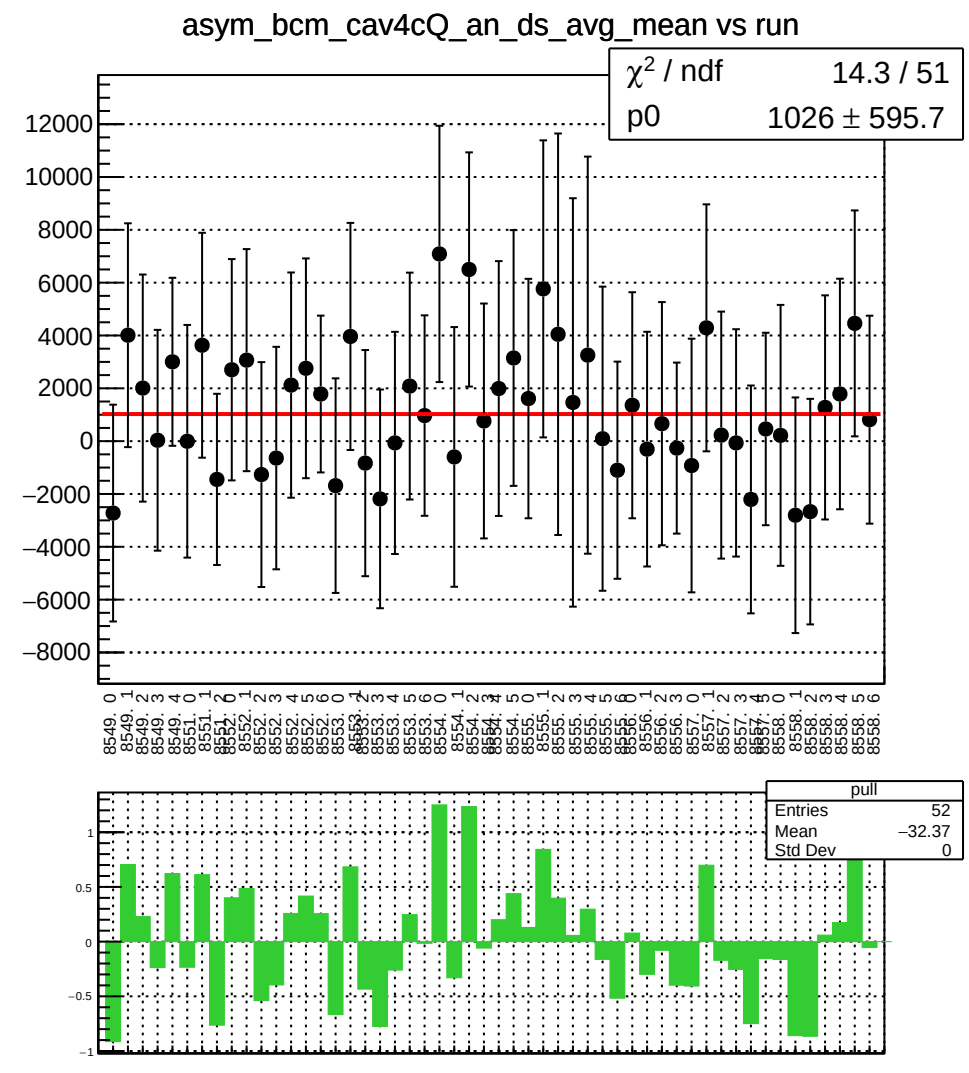
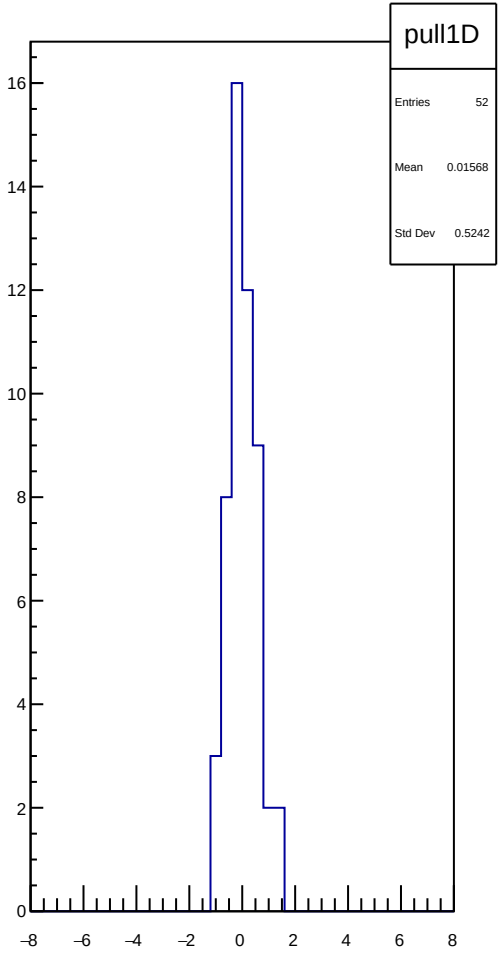
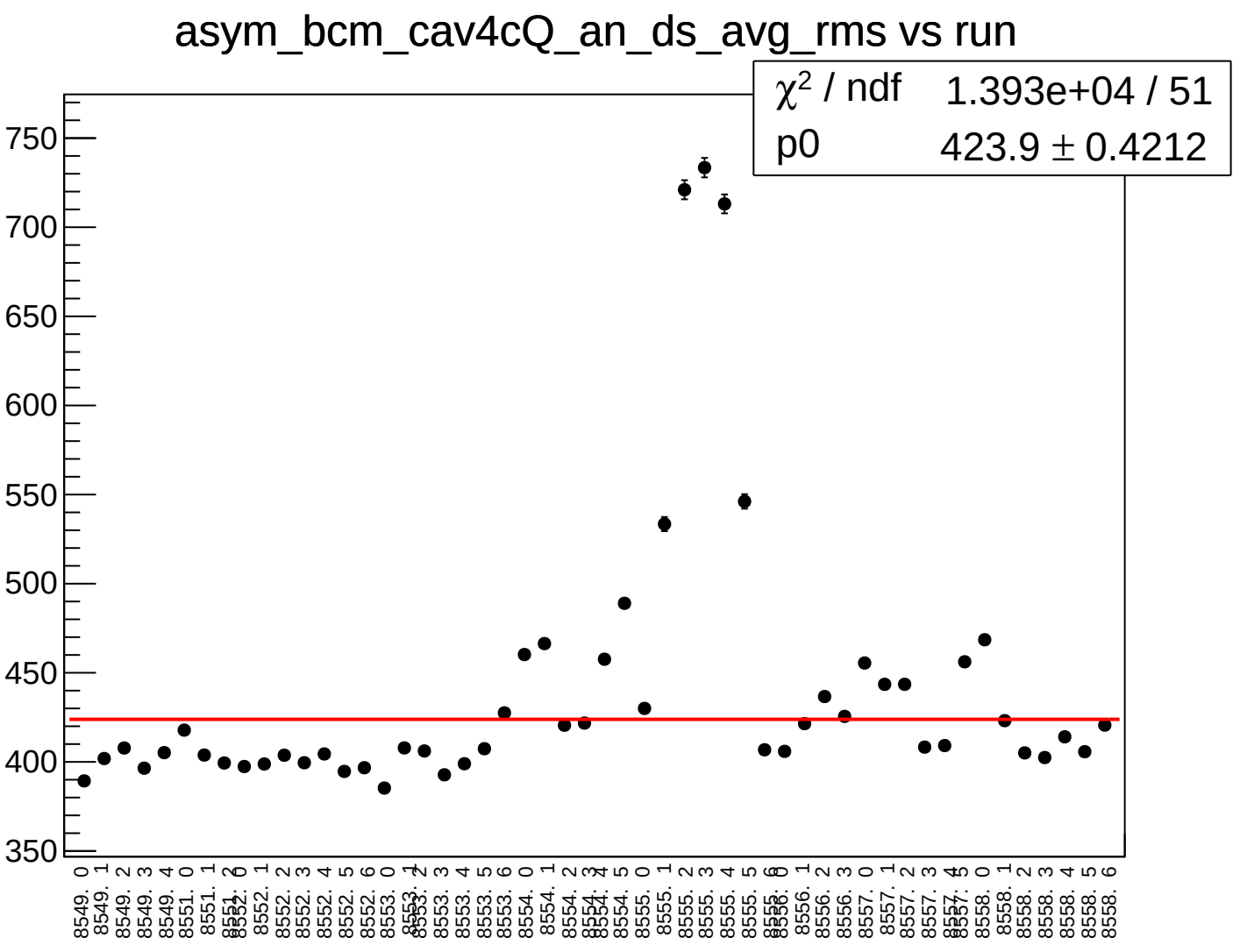
8558. 5
8558. 6


asym_bcm_cav4cQ_an_ds_avg_mean vs run
χ² / ndf 14.3 / 51
p0 1026 ± 595.7
pull
Entries 52
Mean −32.37
Std Dev 0


pull1D
Entries 52
Mean 0.01568
Std Dev 0.5242


asym_bcm_cav4cQ_an_ds_avg_rms vs run
χ² / ndf 1.393e+04 / 51
p0 423.9 ± 0.4212
750
700
650
600
550
500
450
400
350
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
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8554. 2
8554. 5
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8555. 1
8555. 2
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8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
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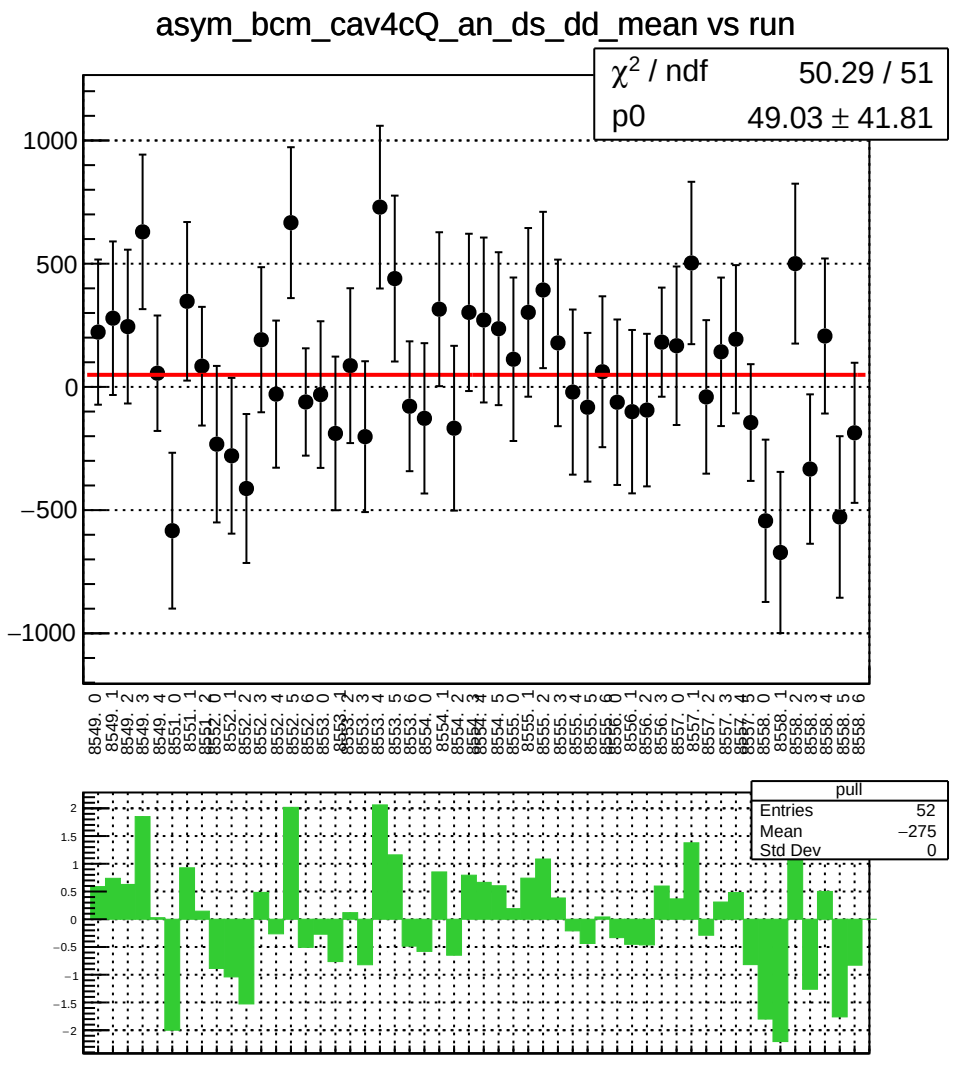
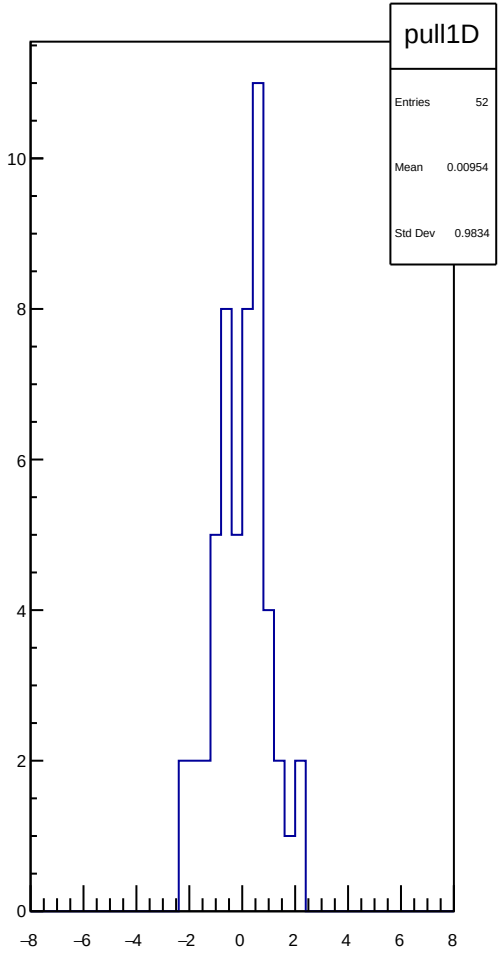
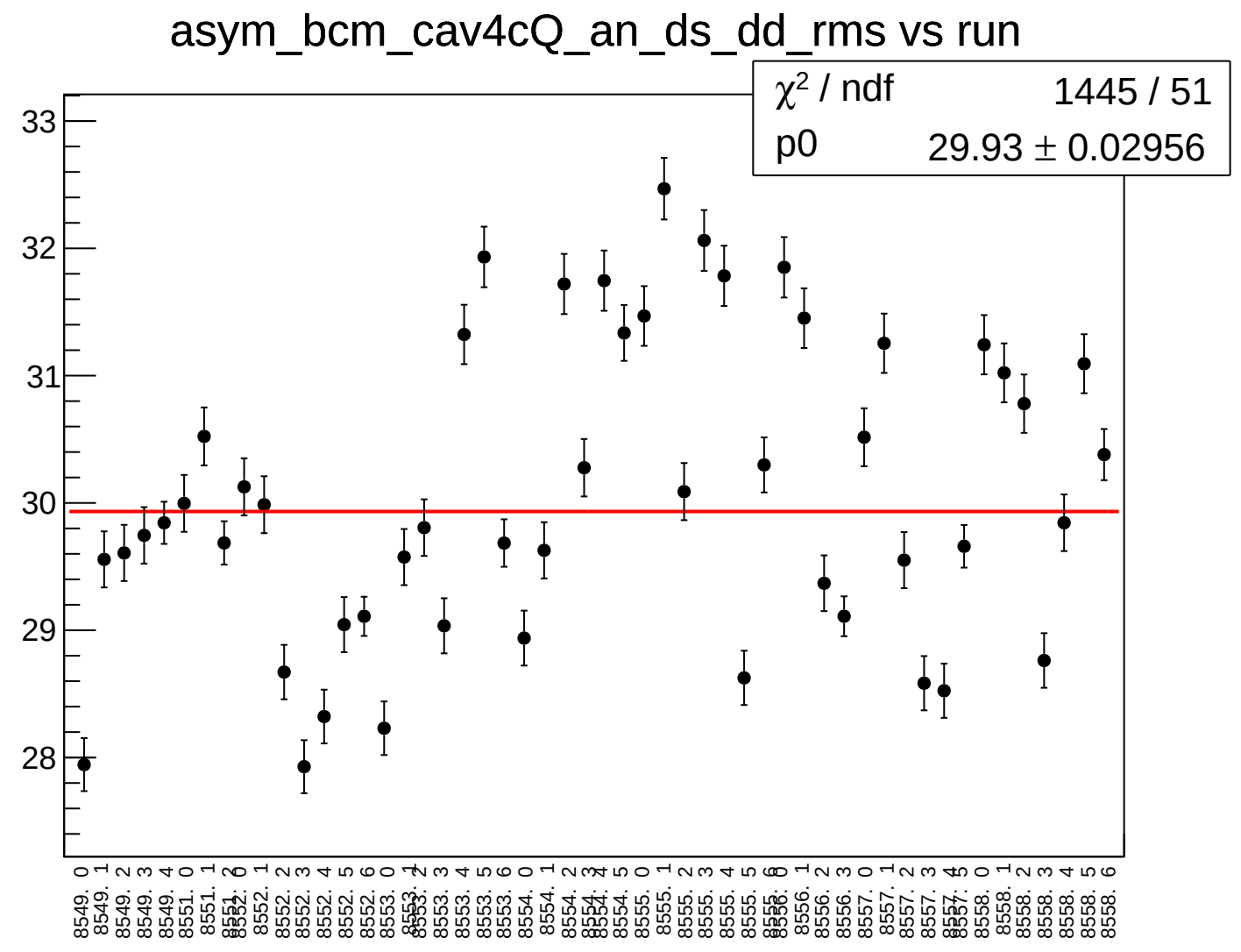
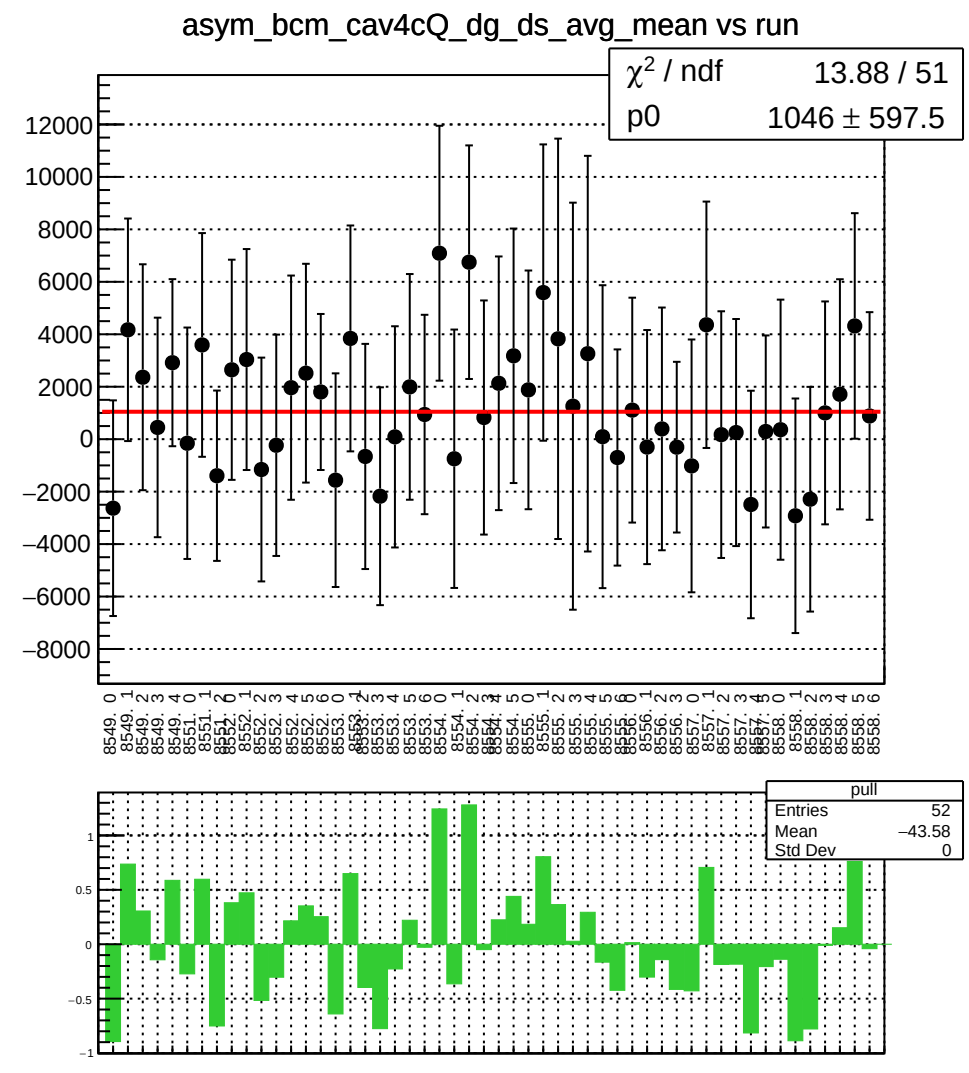
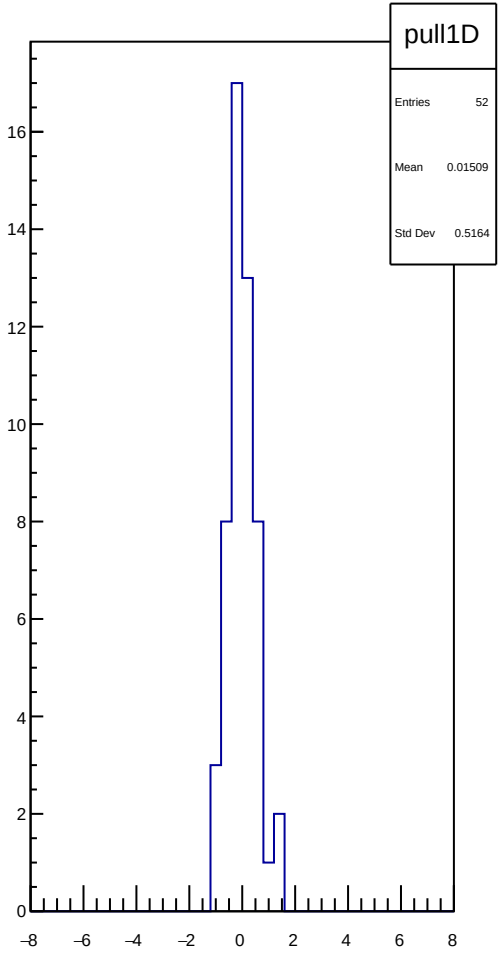
8558. 5
8558. 6

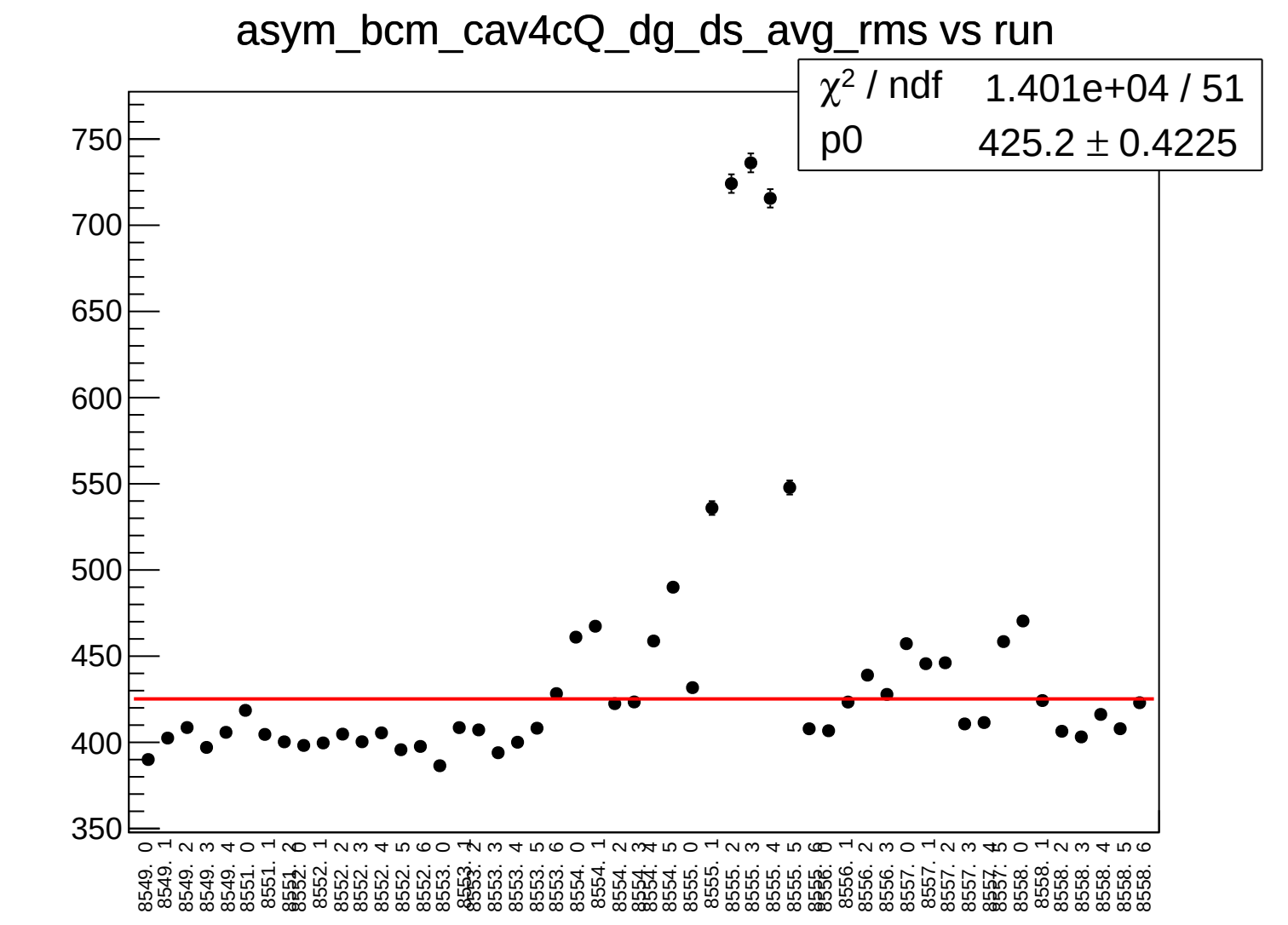

asym_bcm_cav4cQ_an_ds_dd_mean vs run
χ² / ndf 50.29 / 51
p0 49.03 ± 41.81
1000
500
0
−500
−1000
pull
Entries 52
Mean −275
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

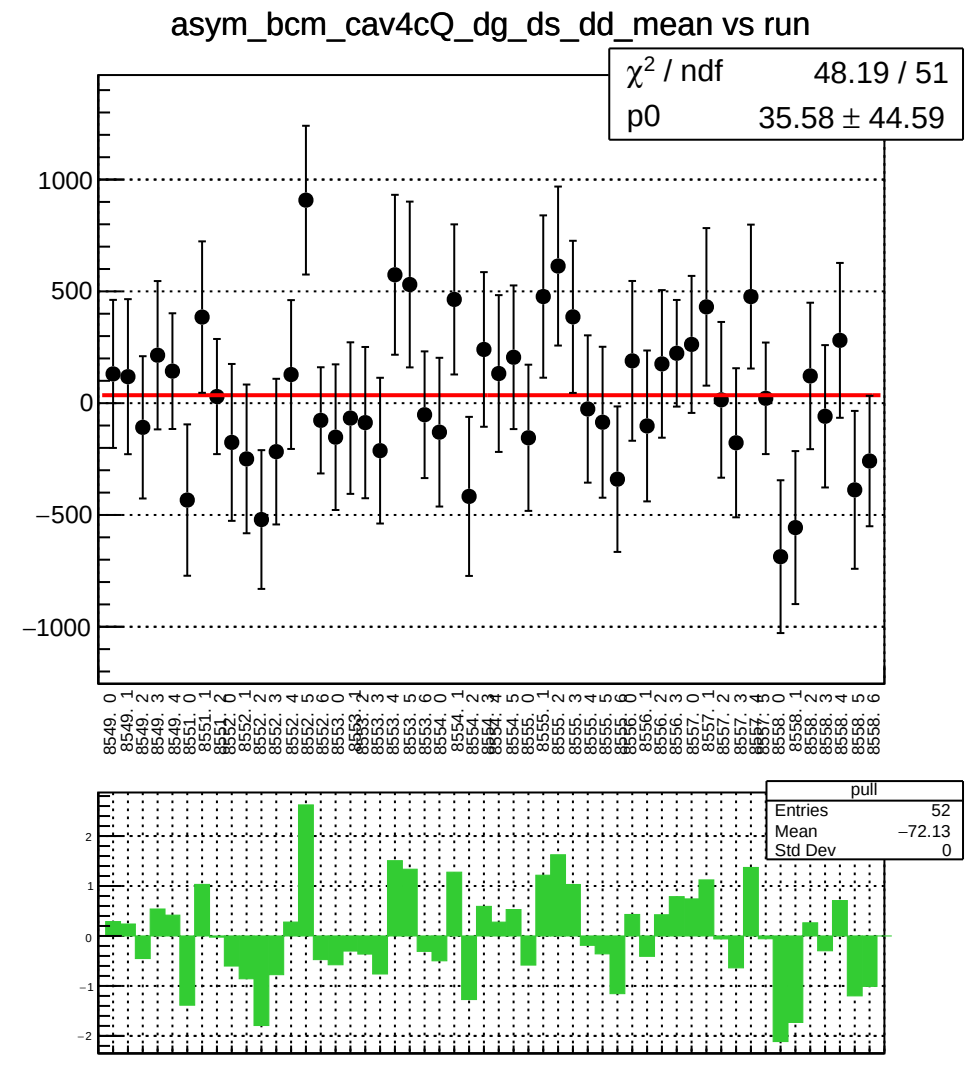

pull1D
Entries 52
Mean 0.00954
Std Dev 0.9834
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

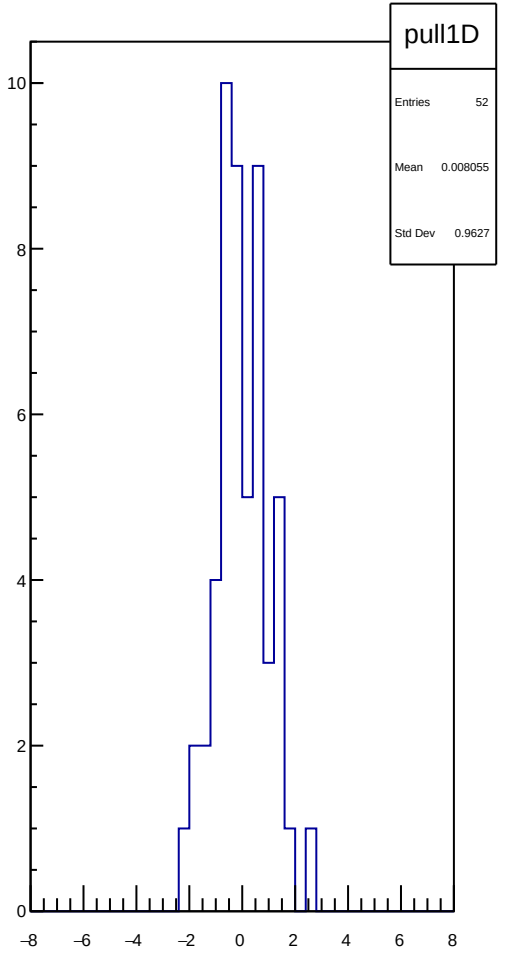

asym_bcm_cav4cQ_an_ds_dd_rms vs run
χ² / ndf 1445 / 51
p0 29.93 ± 0.02956
33
32
31
30
29
28
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

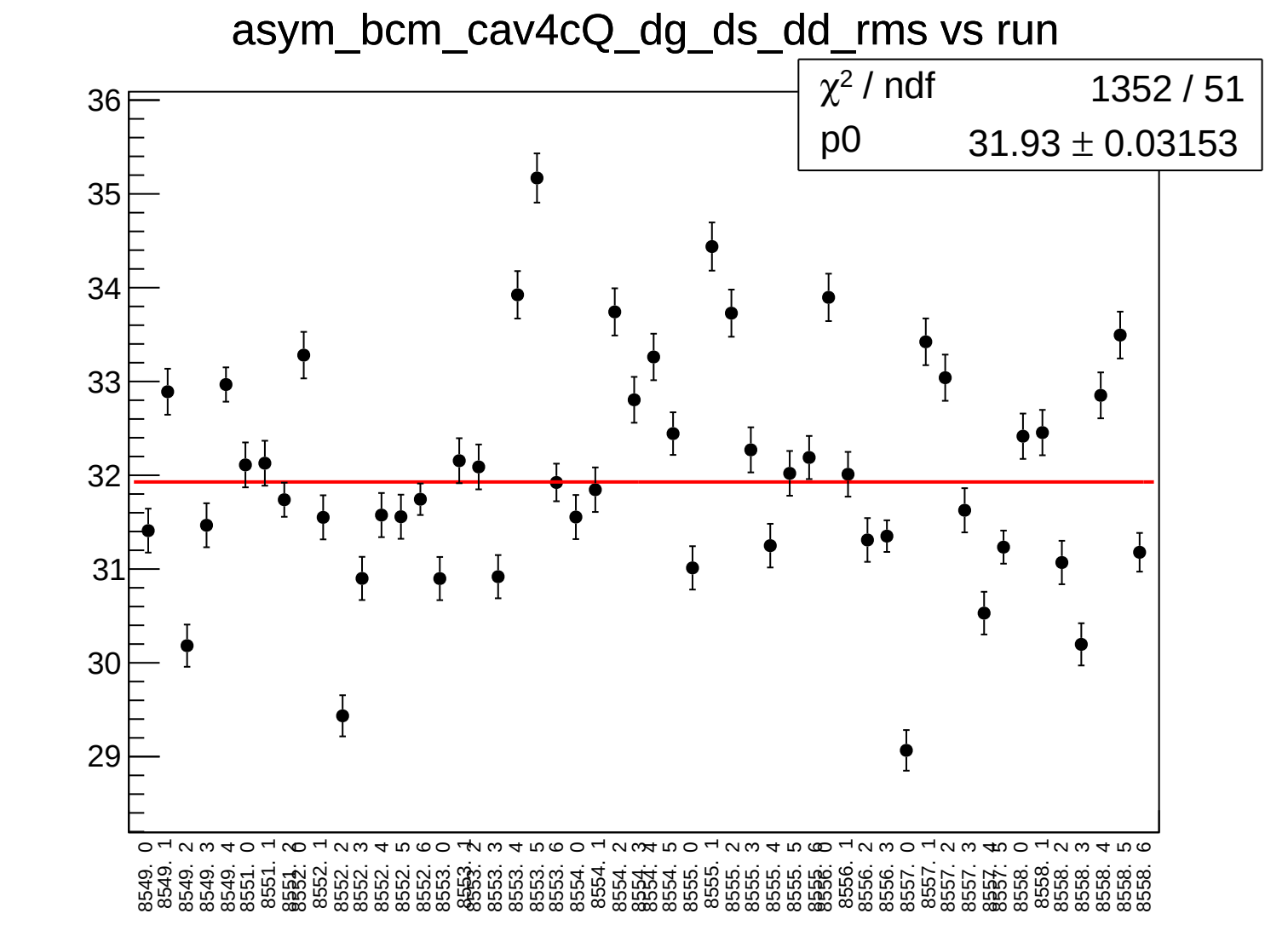

asym_bcm_cav4cQ_dg_ds_avg_mean vs run
χ² / ndf 13.88 / 51
p0 1046 ± 597.5
pull
Entries 52
Mean −43.58
Std Dev 0

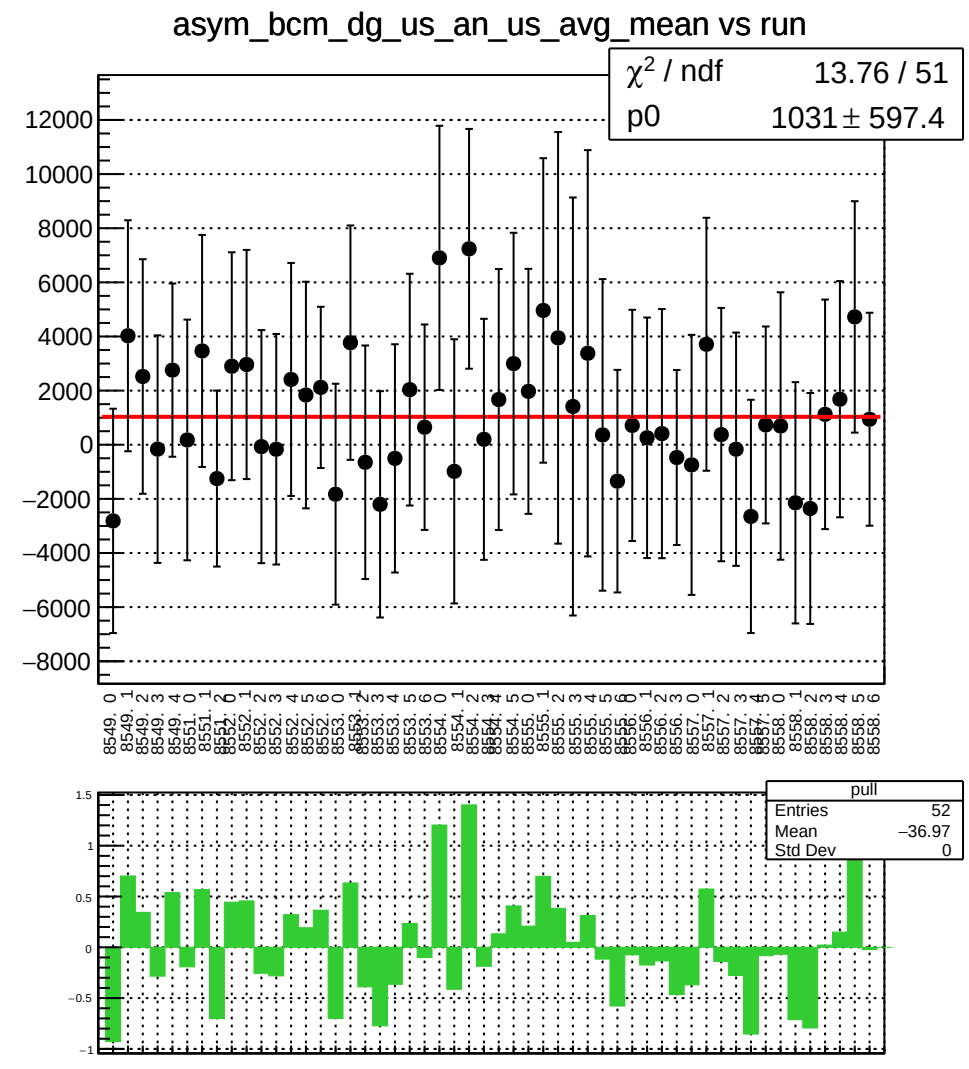

pull1D
Entries 52
Mean 0.01509
Std Dev 0.5164

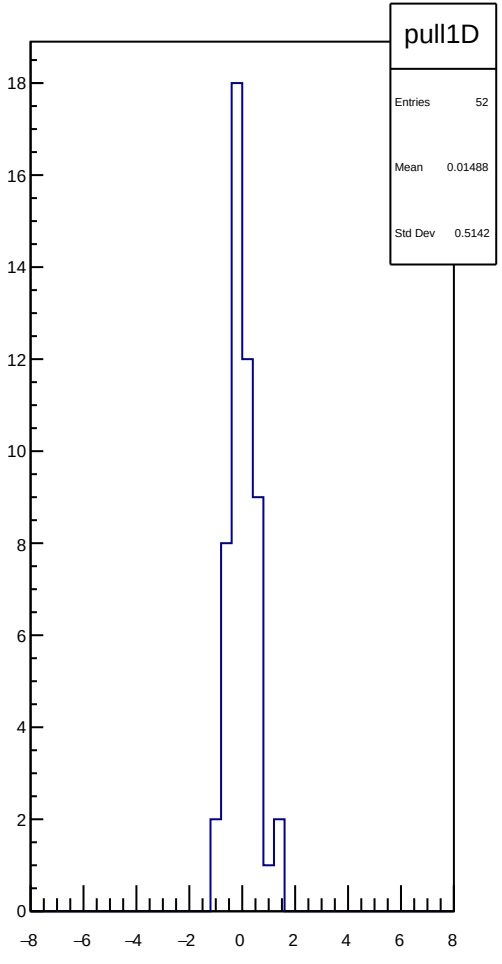

asym_bcm_cav4cQ_dg_ds_avg_rms vs run
χ² / ndf 1.401e+04 / 51
p0 425.2 ± 0.4225
750
700
650
600
550
500
450
400
350
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 5
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

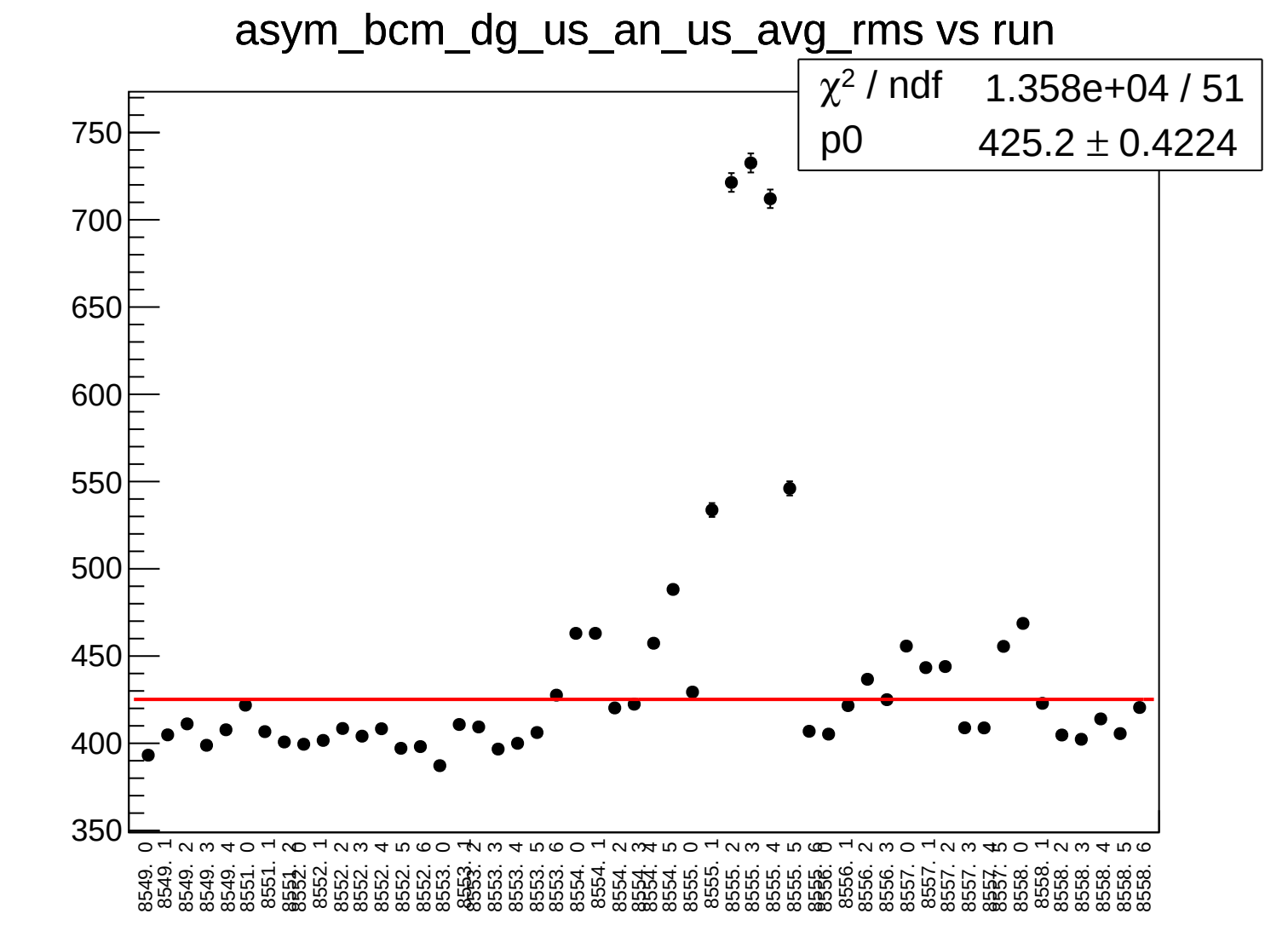

asym_bcm_cav4cQ_dg_ds_dd_mean vs run
χ² / ndf 48.19 / 51
p0 35.58 ± 44.59
1000
500
0
−500
−1000
pull
Entries 52
Mean −72.13
Std Dev 0
2
1
0
−1
−2

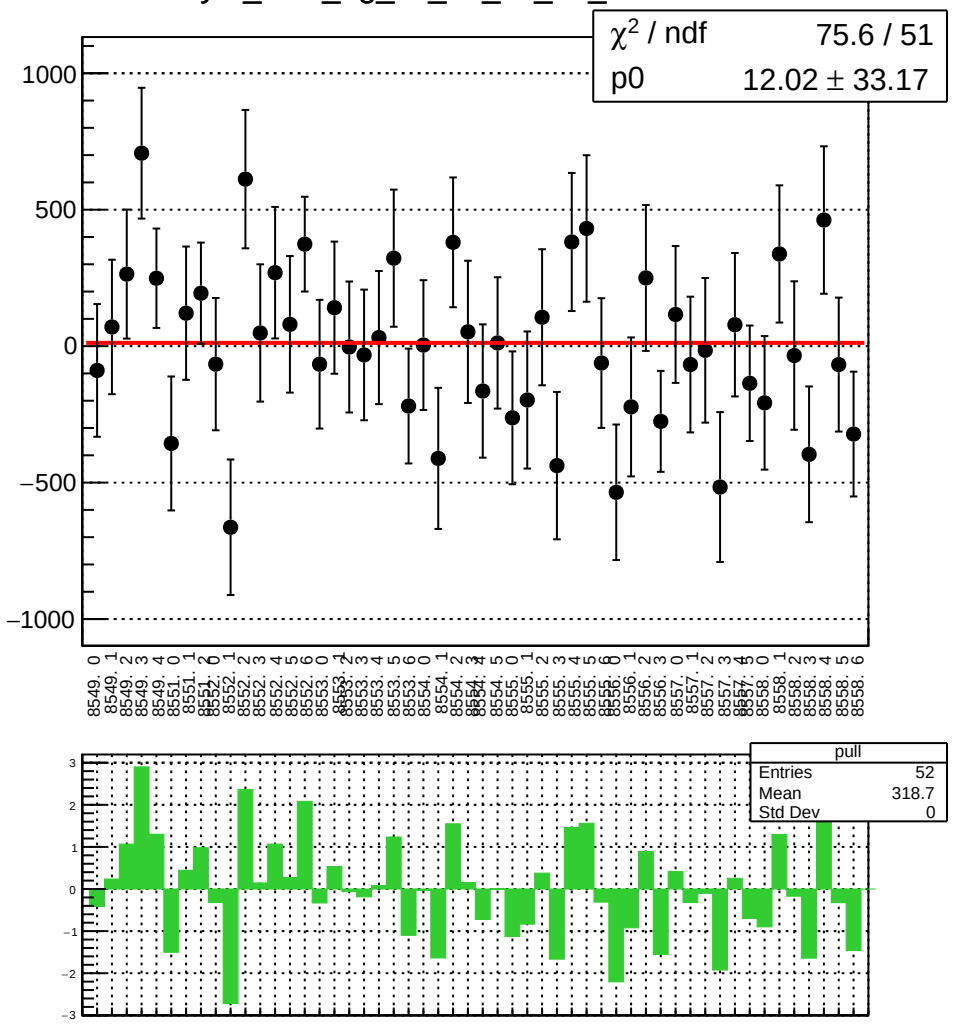

pull1D
Entries 52
Mean 0.008055
Std Dev 0.9627
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

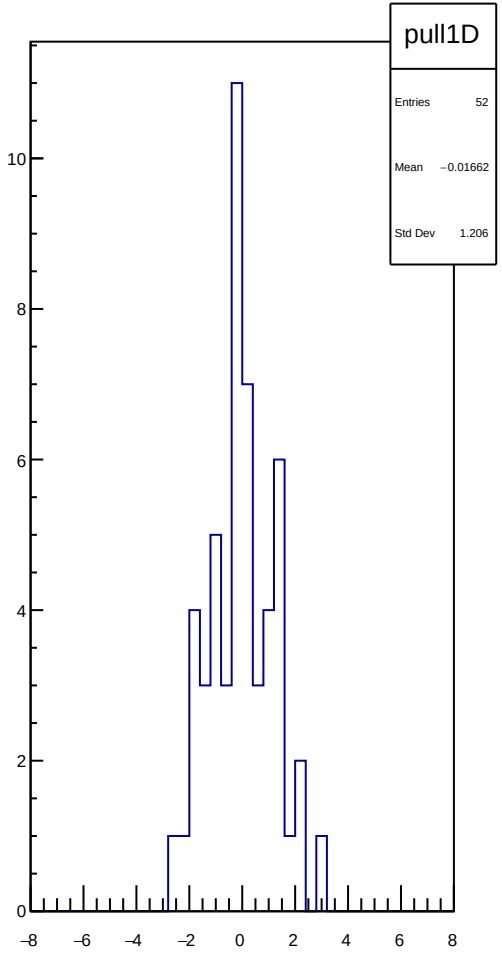

asym_bcm_cav4cQ_dg_ds_dd_rms vs run
χ² / ndf 1352 / 51
p0 31.93 ± 0.03153
36
35
34
33
32
31
30
29
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

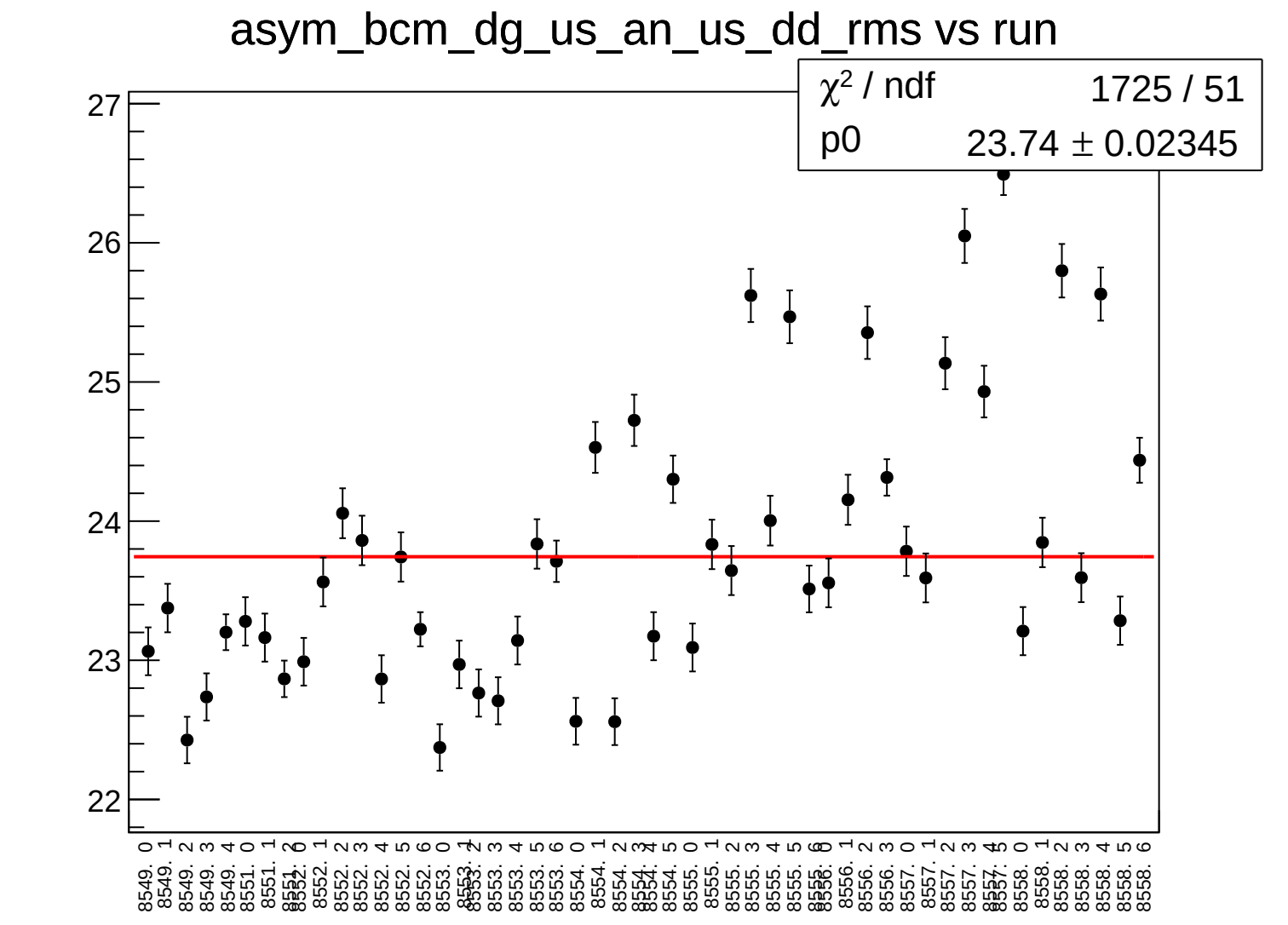

asym_bcm_dg_us_an_us_avg_mean vs run
χ² / ndf 13.76 / 51
p0 1031 ± 597.4
pull
Entries 52
Mean −36.97
Std Dev 0

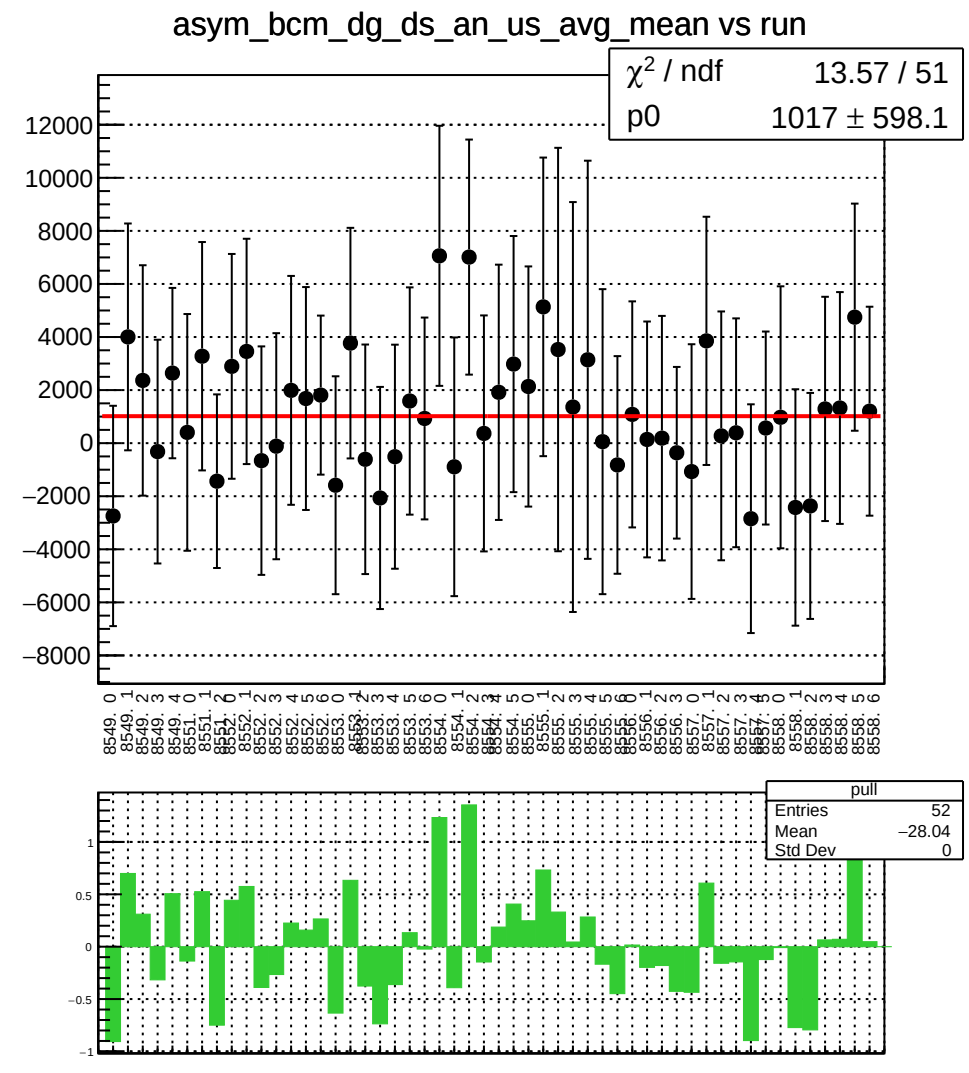

pull1D
Entries 52
Mean 0.01488
Std Dev 0.5142

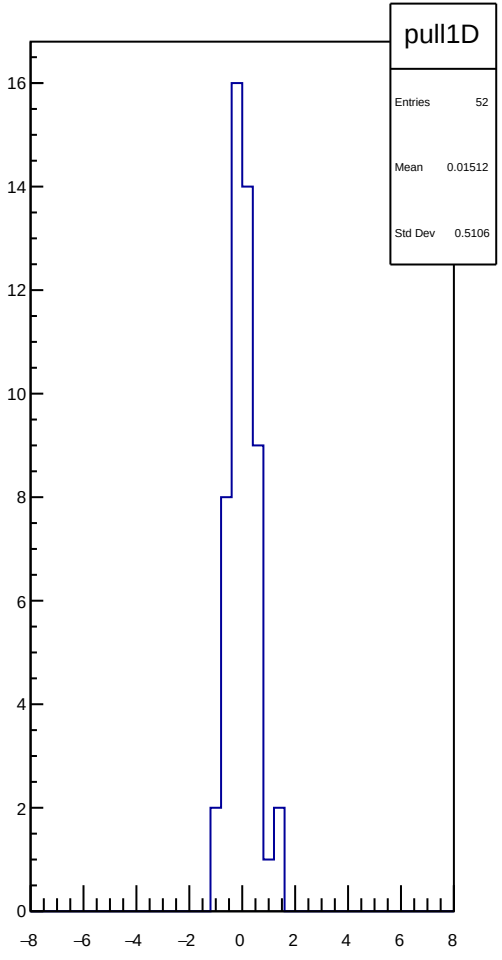

asym_bcm_dg_us_an_us_avg_rms vs run
χ² / ndf 1.358e+04 / 51
p0 425.2 ± 0.4224
750
700
650
600
550
500
450
400
350
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 5
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

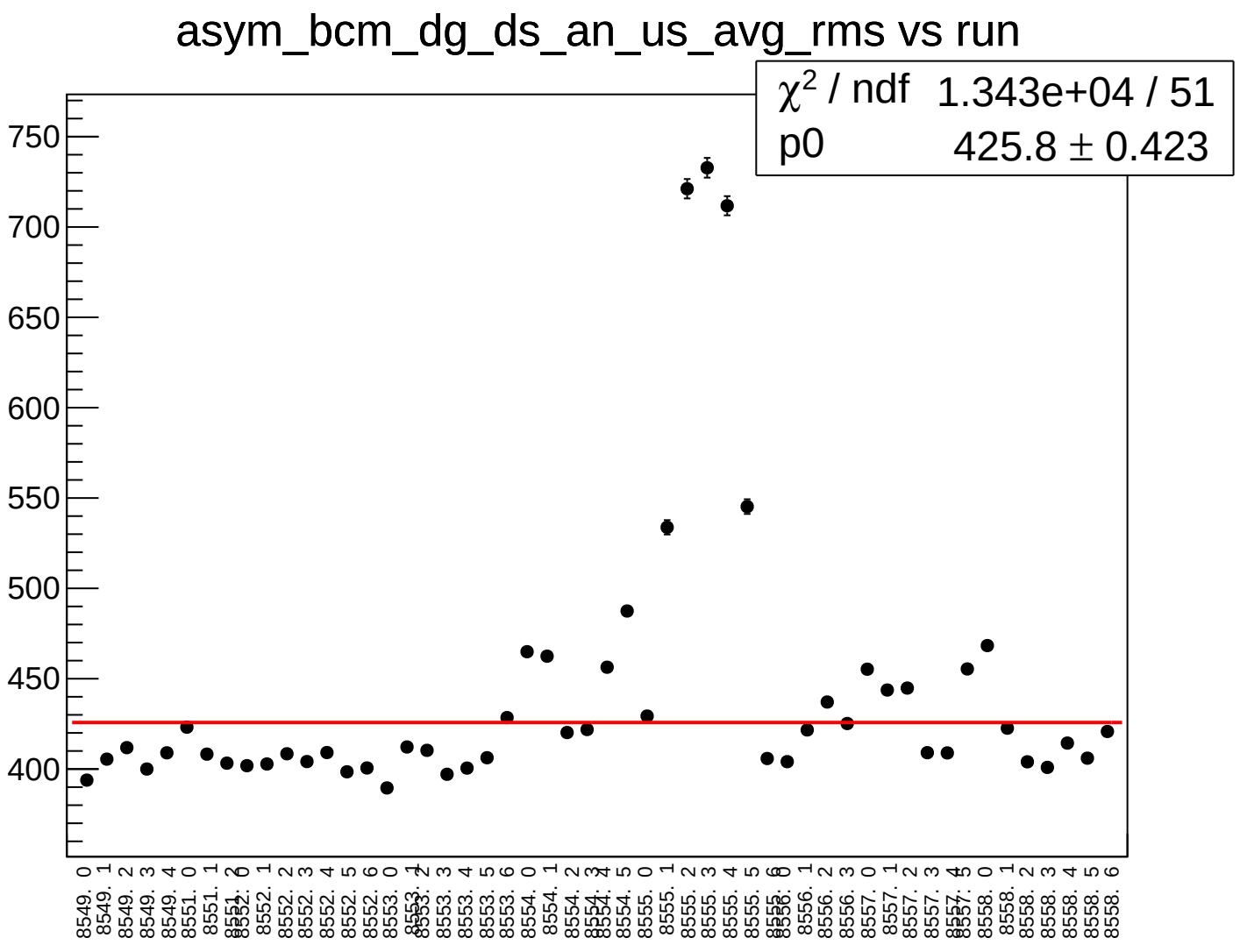

asym_bcm_dg_us_an_us_dd_mean vs run
χ² / ndf 75.6 / 51
p0 12.02 ± 33.17
1000
500
0
−500
−1000
pull
Entries 52
Mean 318.7
Std Dev 0
3
2
1
0
−1
−2
−3


pull1D
Entries 52
Mean −0.01662
Std Dev 1.206
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


asym_bcm_dg_us_an_us_dd_rms vs run
χ² / ndf 1725 / 51
p0 23.74 ± 0.02345
27
26
25
24
23
22
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6


asym_bcm_dg_ds_an_us_avg_mean vs run
χ² / ndf 13.57 / 51
p0 1017 ± 598.1
pull
Entries 52
Mean −28.04
Std Dev 0


pull1D
Entries 52
Mean 0.01512
Std Dev 0.5106


asym_bcm_dg_ds_an_us_avg_rms vs run
χ² / ndf 1.343e+04 / 51
p0 425.8 ± 0.423
750
700
650
600
550
500
450
400
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 5
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
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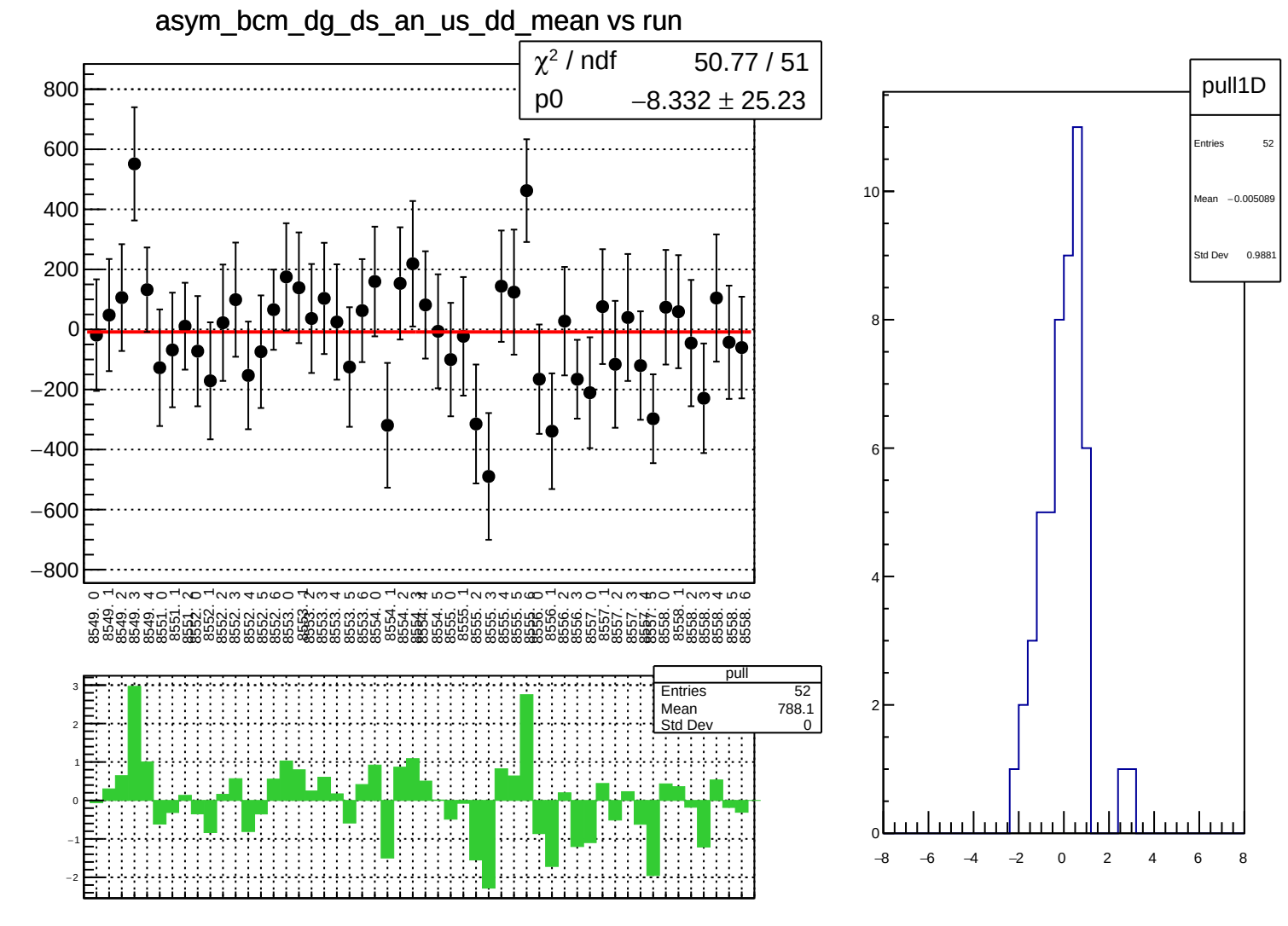
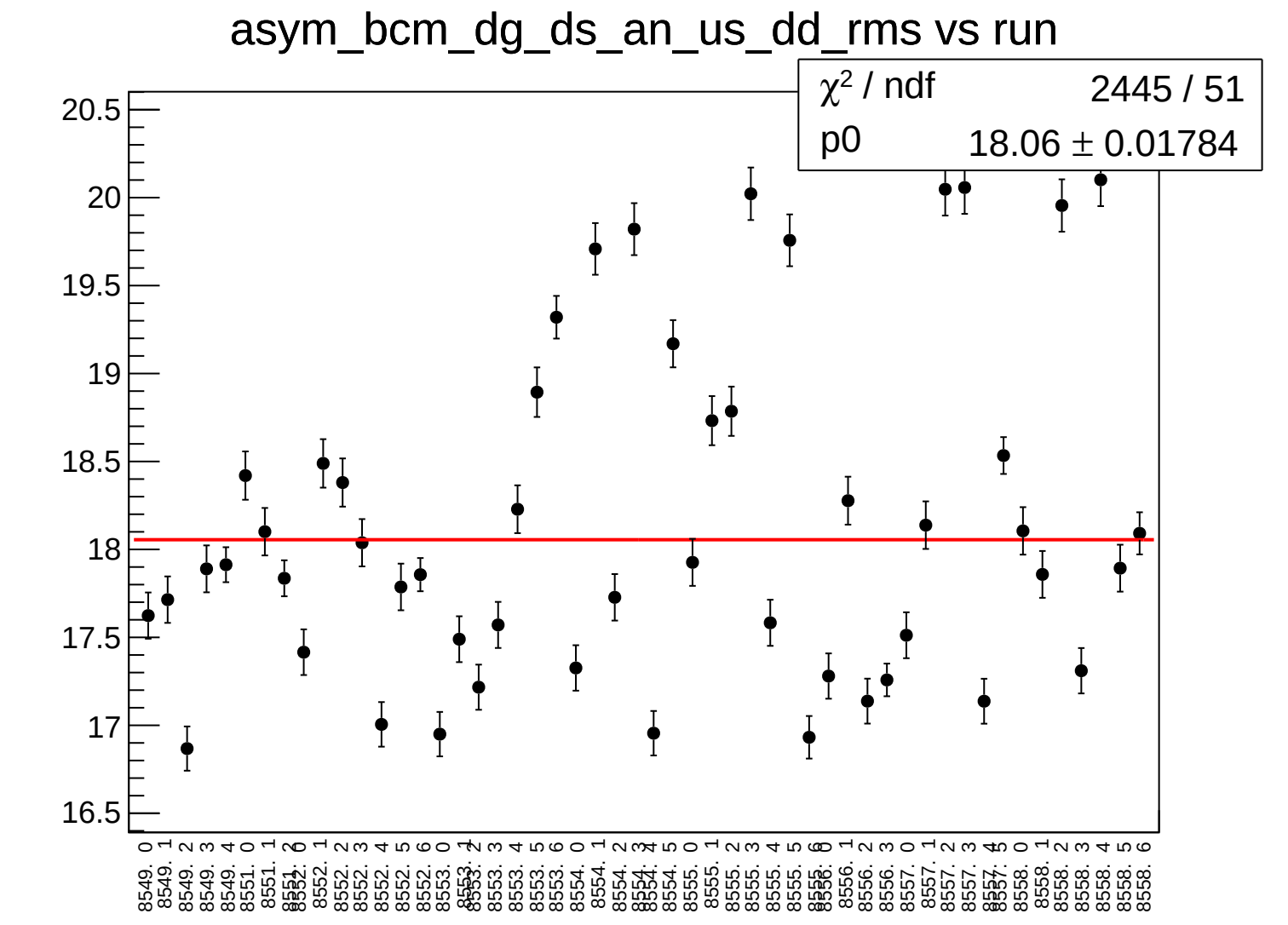
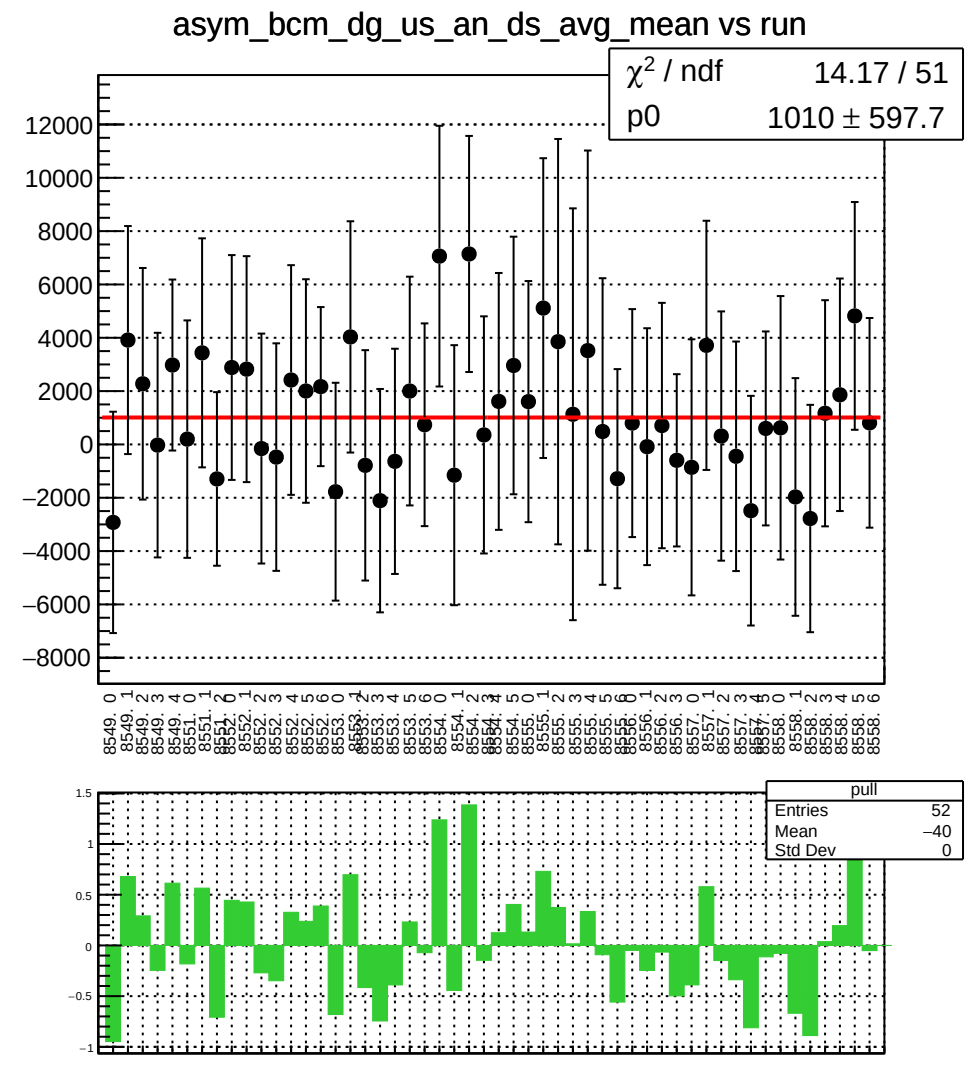
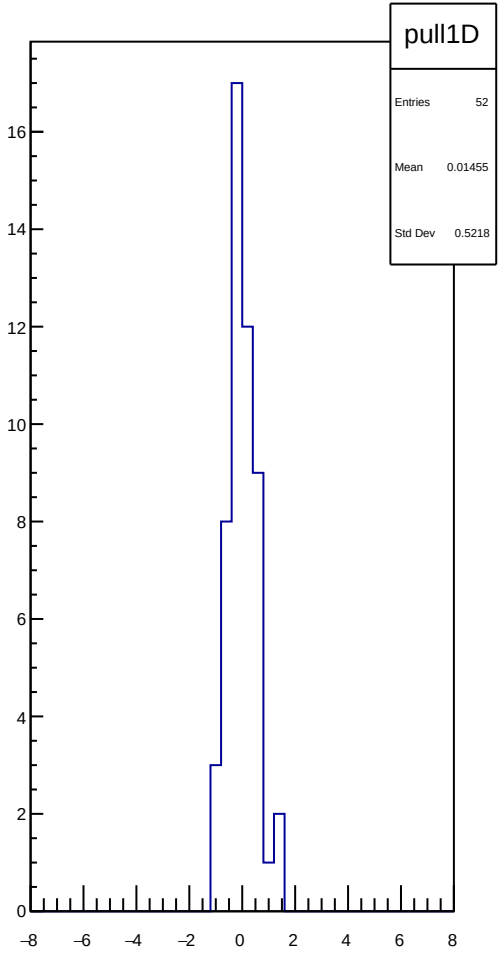
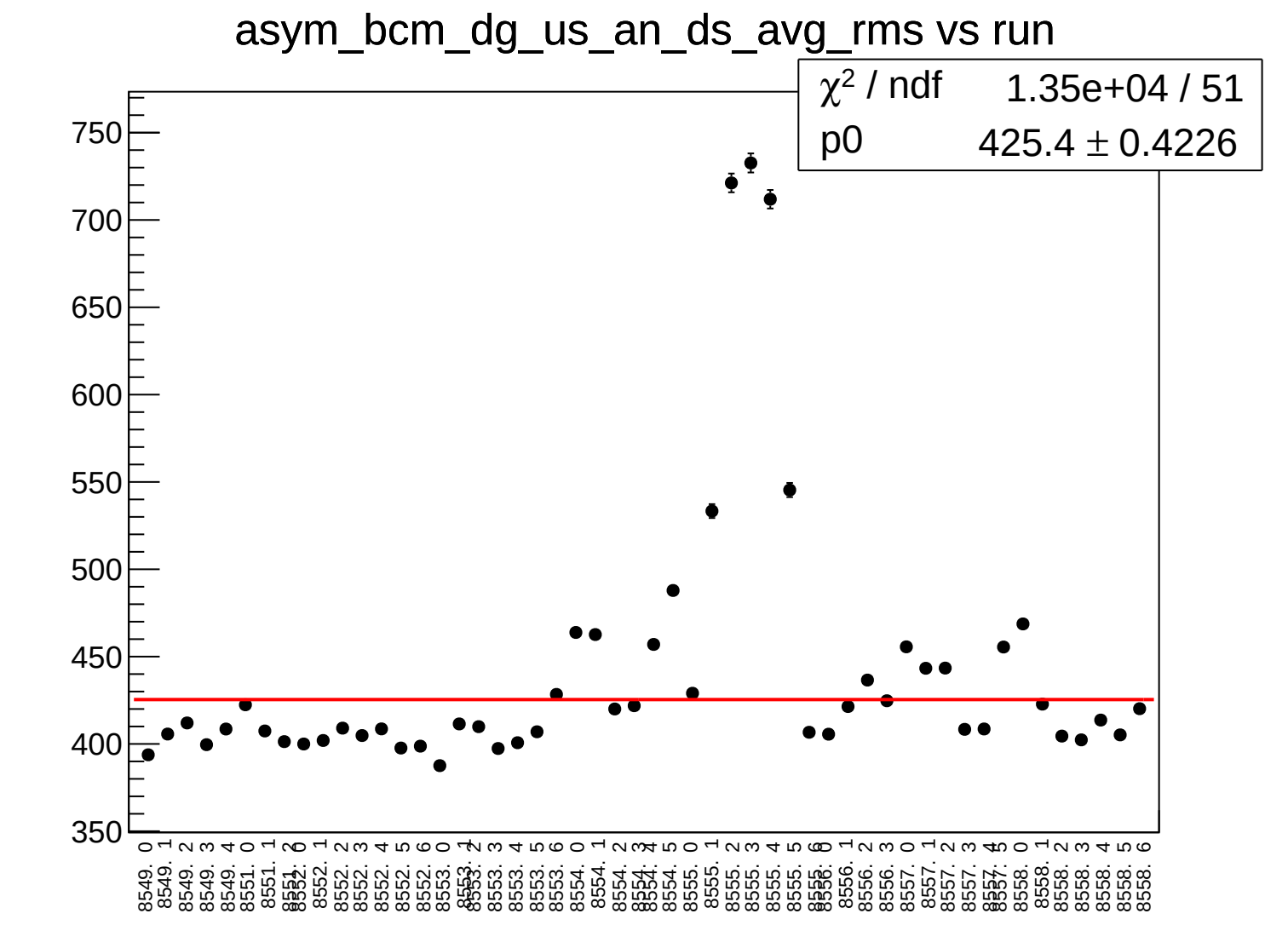
8558. 5
8558. 6

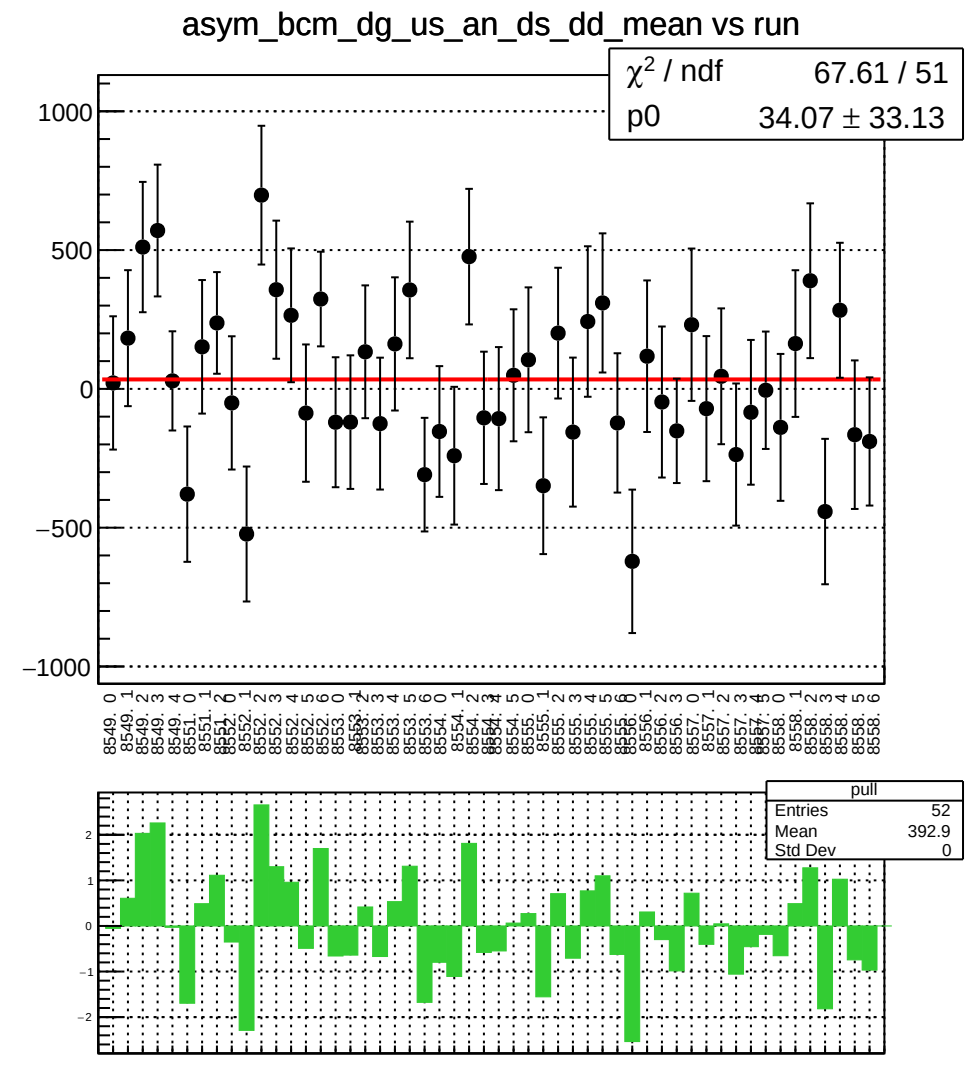

asym_bcm_dg_ds_an_us_dd_mean vs run
χ² / ndf 50.77 / 51
p0 −8.332 ± 25.23
pull
Entries 52
Mean 788.1
Std Dev 0
pull1D
Entries 52
Mean −0.005089
Std Dev 0.9881

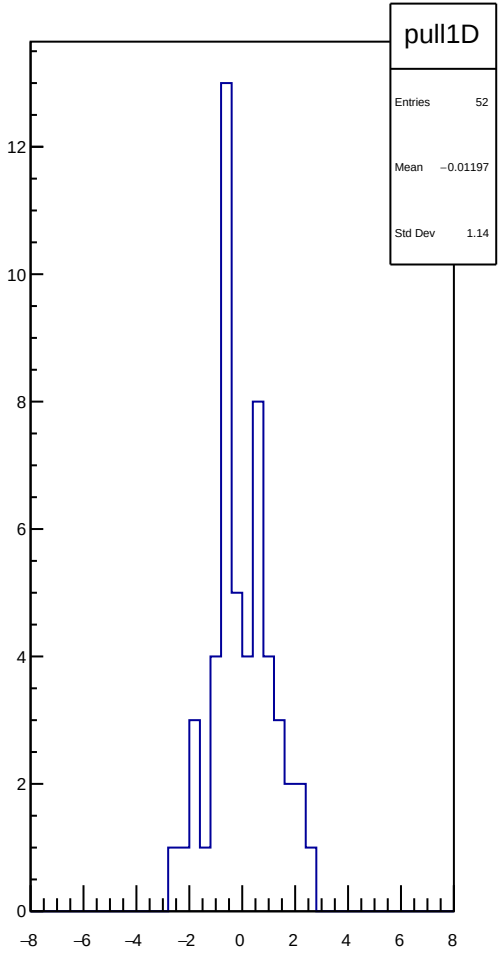

asym_bcm_dg_ds_an_us_dd_rms vs run
χ² / ndf 2445 / 51
p0 18.06 ± 0.01784
20.5
20
19.5
19
18.5
18
17.5
17
16.5
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 5
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

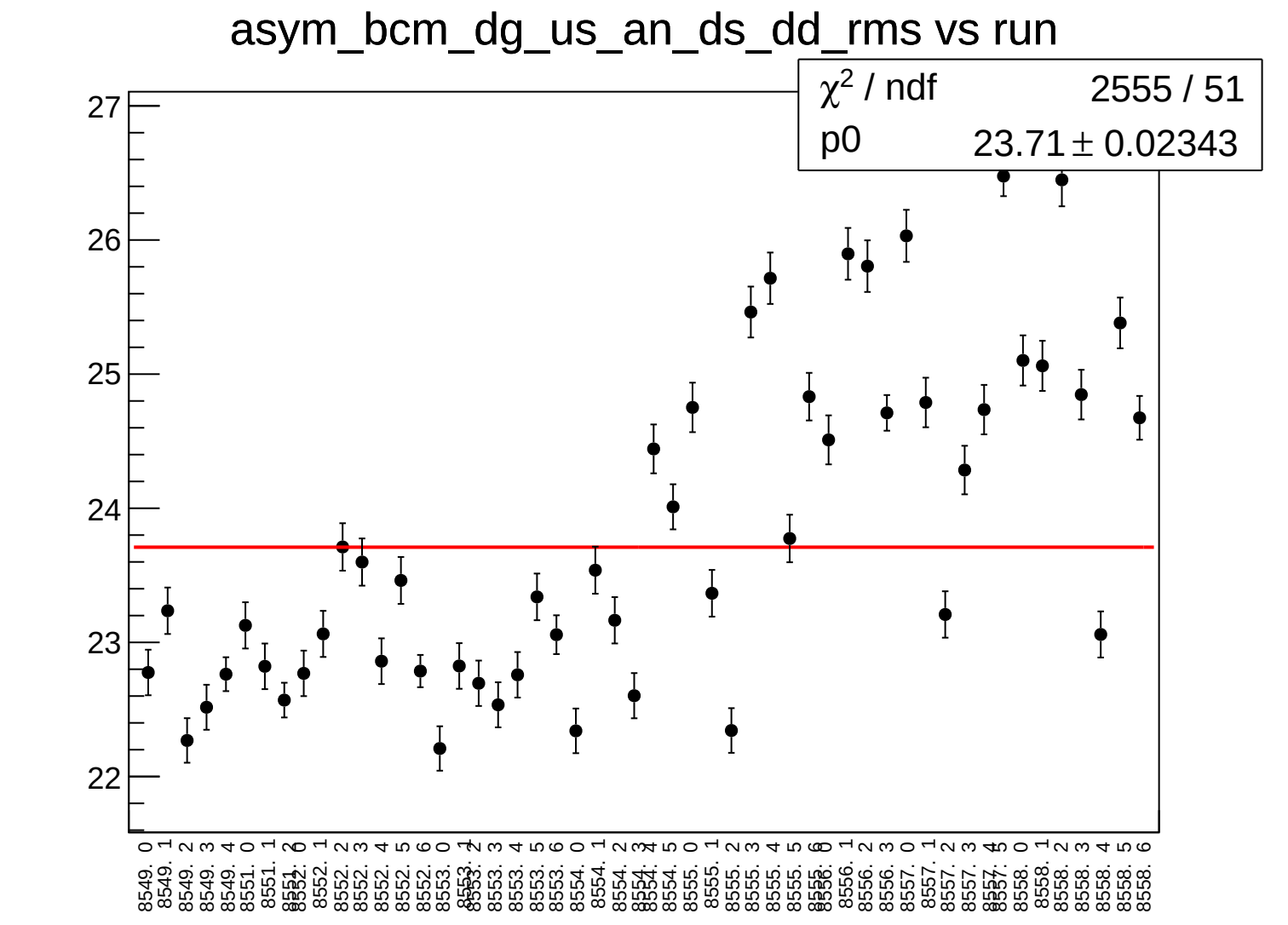

asym_bcm_dg_us_an_ds_avg_mean vs run
χ² / ndf 14.17 / 51
p0 1010 ± 597.7
12000
10000
8000
6000
4000
2000
0
−2000
−4000
−6000
−8000
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8551. 2
8551. 6
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 1
8553. 2
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 3
8554. 4
8554. 5
8554. 6
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8555. 6
8556. 0
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8557. 4
8557. 5
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6
pull
Entries 52
Mean −40
Std Dev 0
1.5
1
0.5
0
−0.5
−1

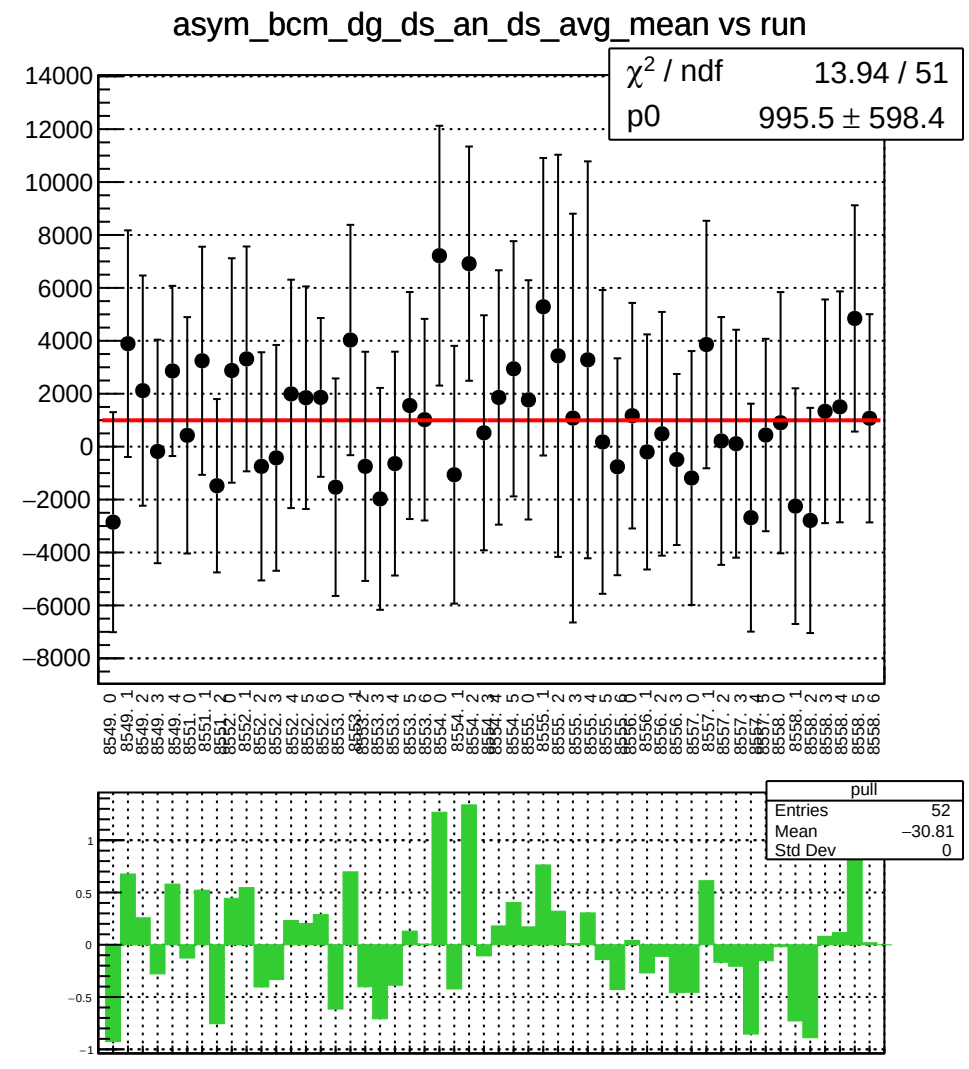

pull1D
Entries 52
Mean 0.01455
Std Dev 0.5218
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

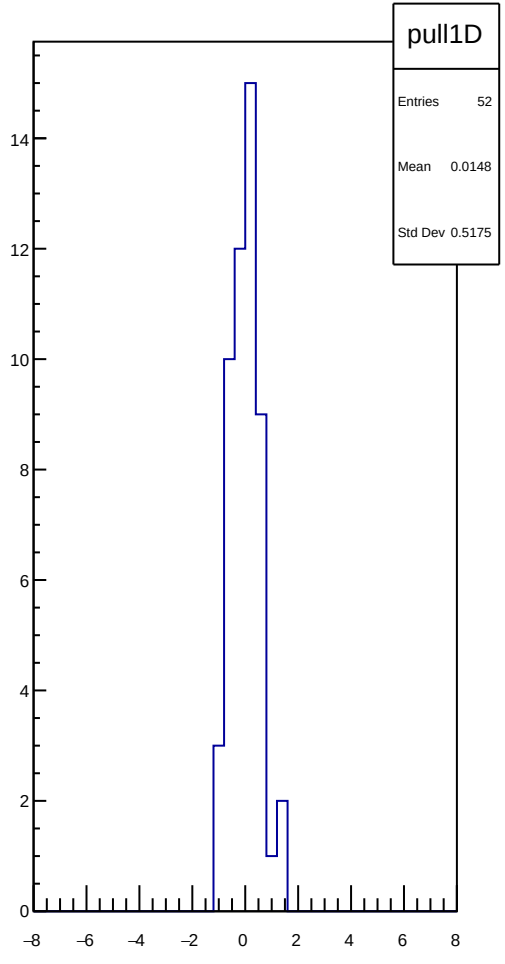

asym_bcm_dg_us_an_ds_avg_rms vs run
χ² / ndf 1.35e+04 / 51
p0 425.4 ± 0.4226
750
700
650
600
550
500
450
400
350
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 5
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

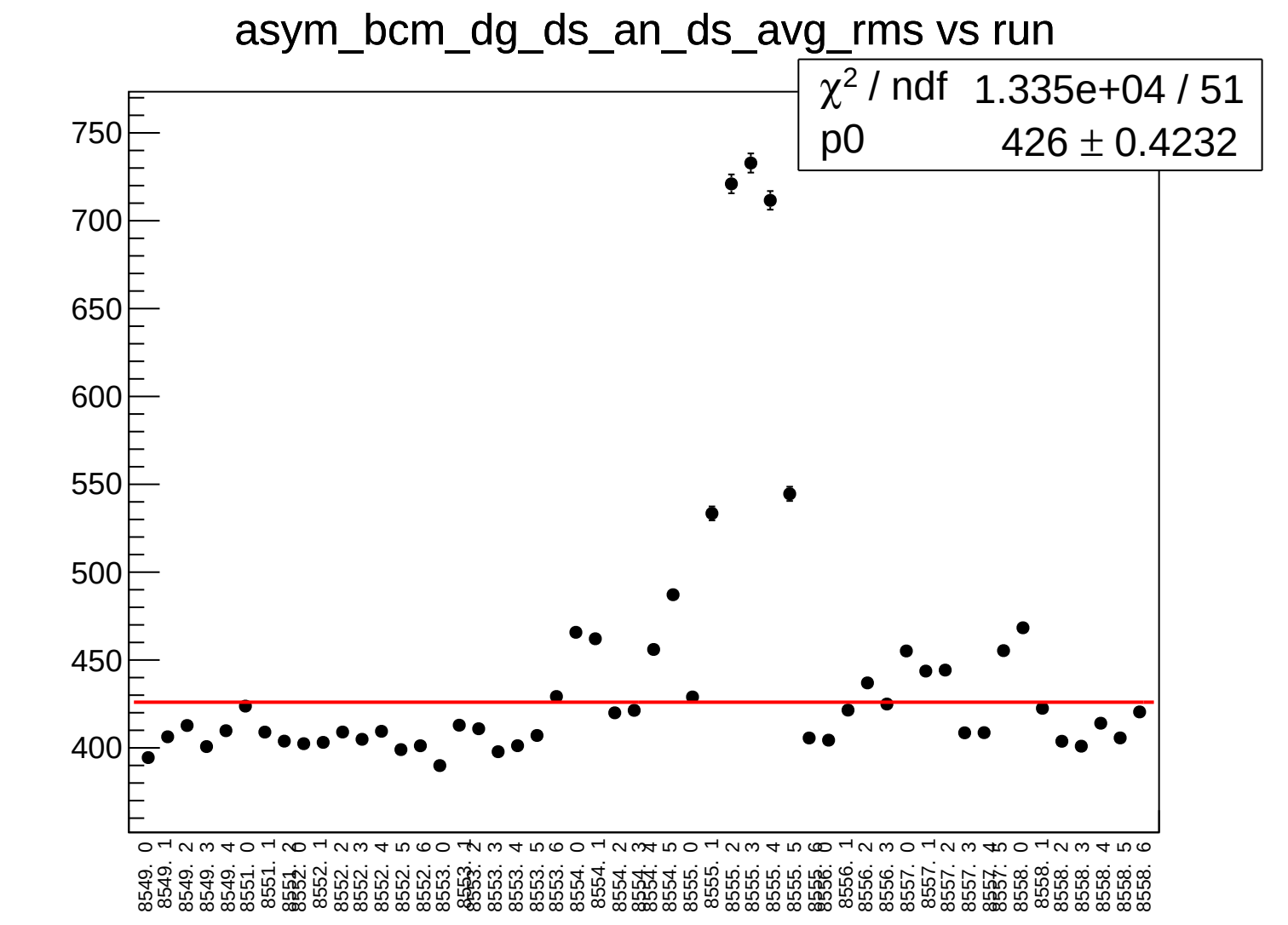

asym_bcm_dg_us_an_ds_dd_mean vs run
χ² / ndf 67.61 / 51
p0 34.07 ± 33.13
1000
500
0
−500
−1000
pull
Entries 52
Mean 392.9
Std Dev 0
2
1
0
−1
−2

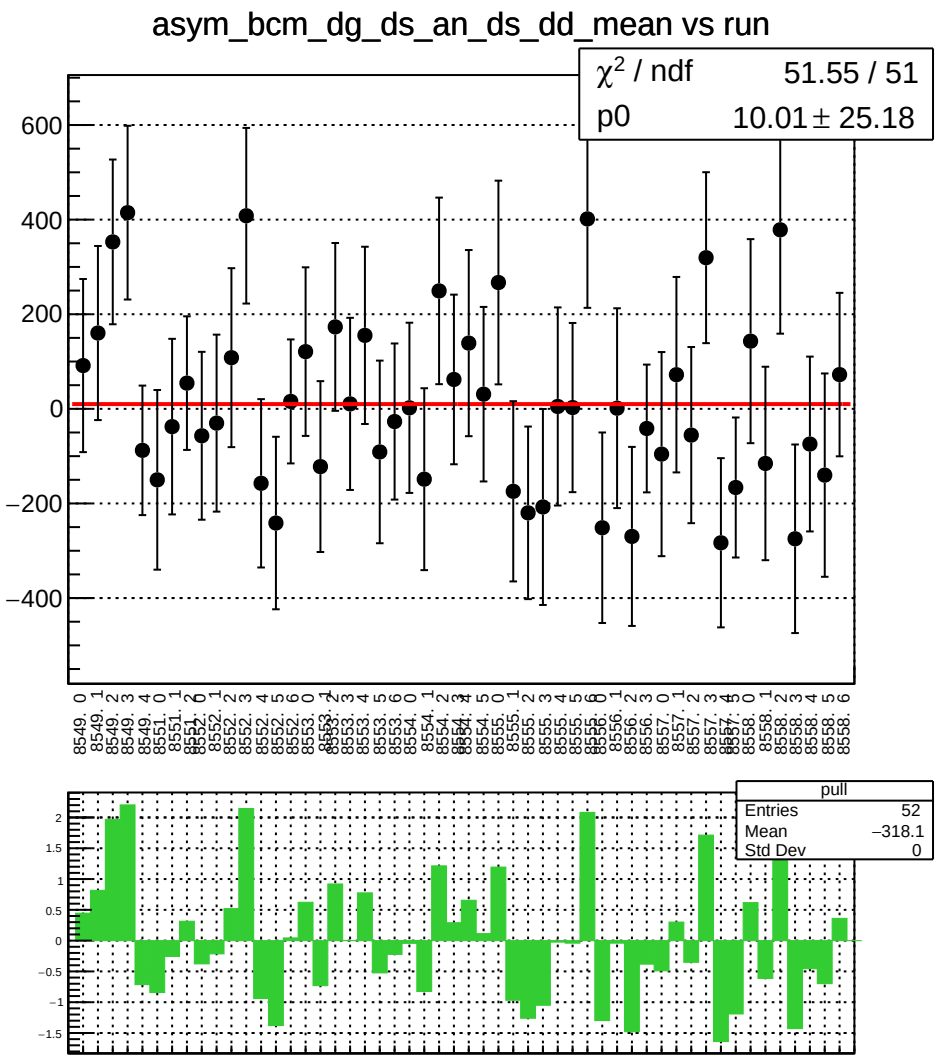

pull1D
Entries 52
Mean −0.01197
Std Dev 1.14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

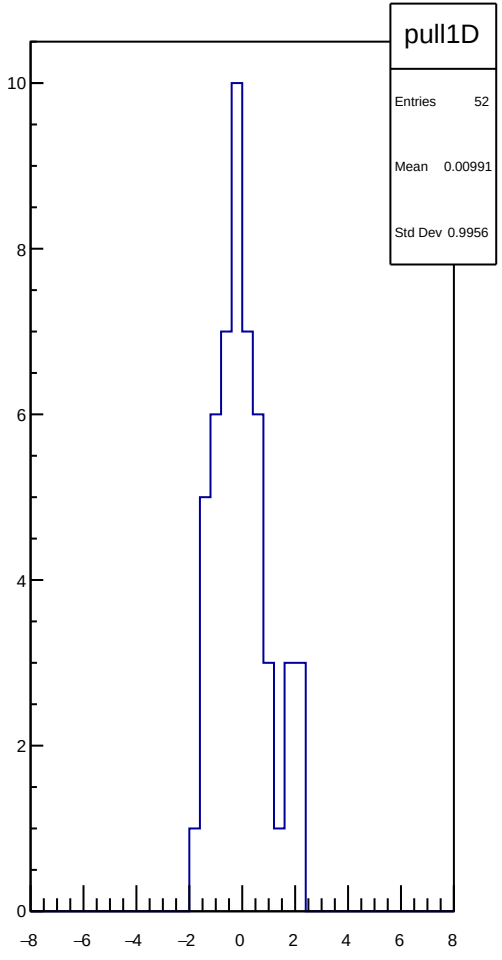

asym_bcm_dg_us_an_ds_dd_rms vs run
χ² / ndf 2555 / 51
p0 23.71 ± 0.02343
27
26
25
24
23
22
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 5
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

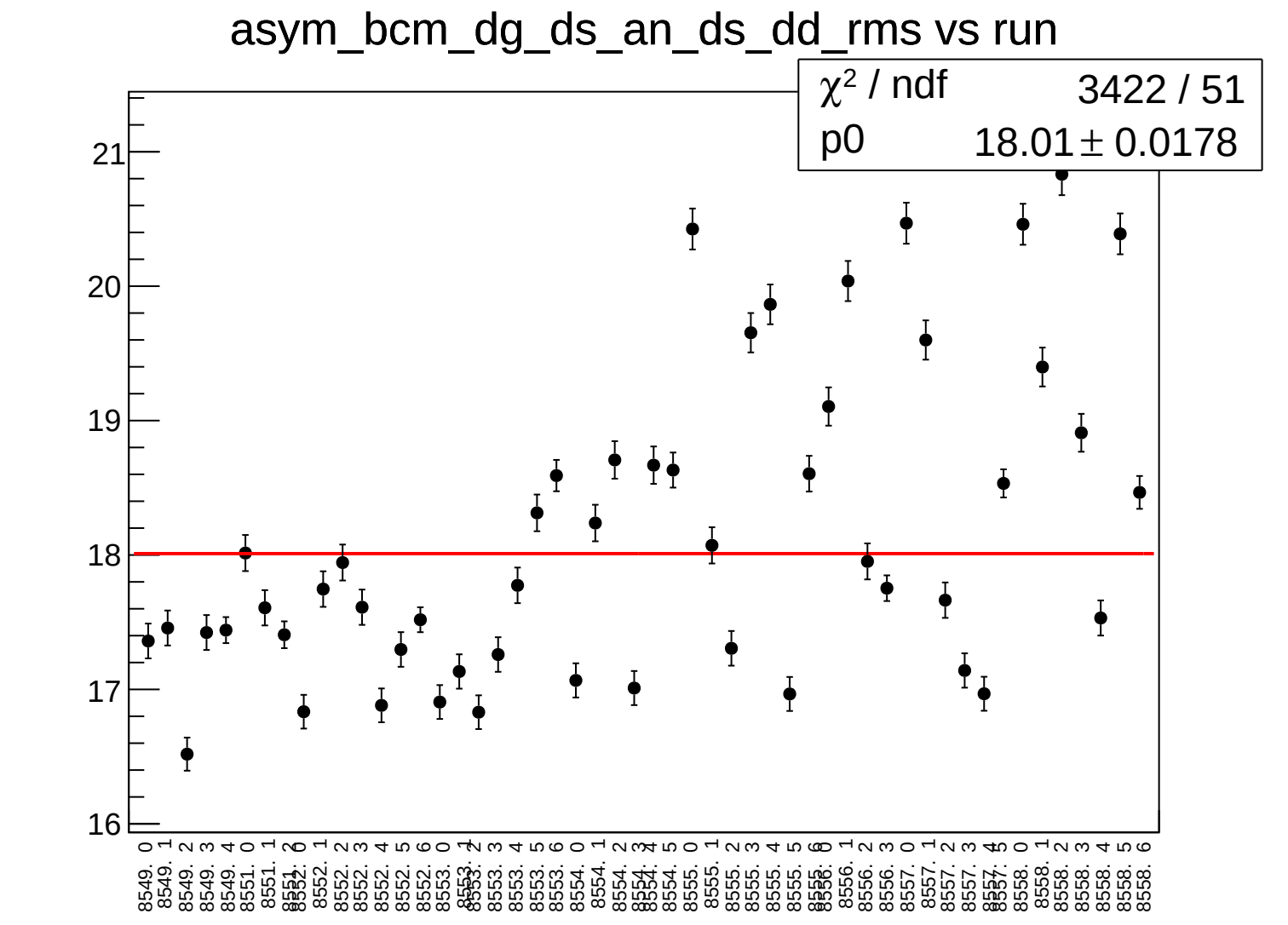

asym_bcm_dg_ds_an_ds_avg_mean vs run
χ² / ndf 13.94 / 51
p0 995.5 ± 598.4
pull
Entries 52
Mean −30.81
Std Dev 0

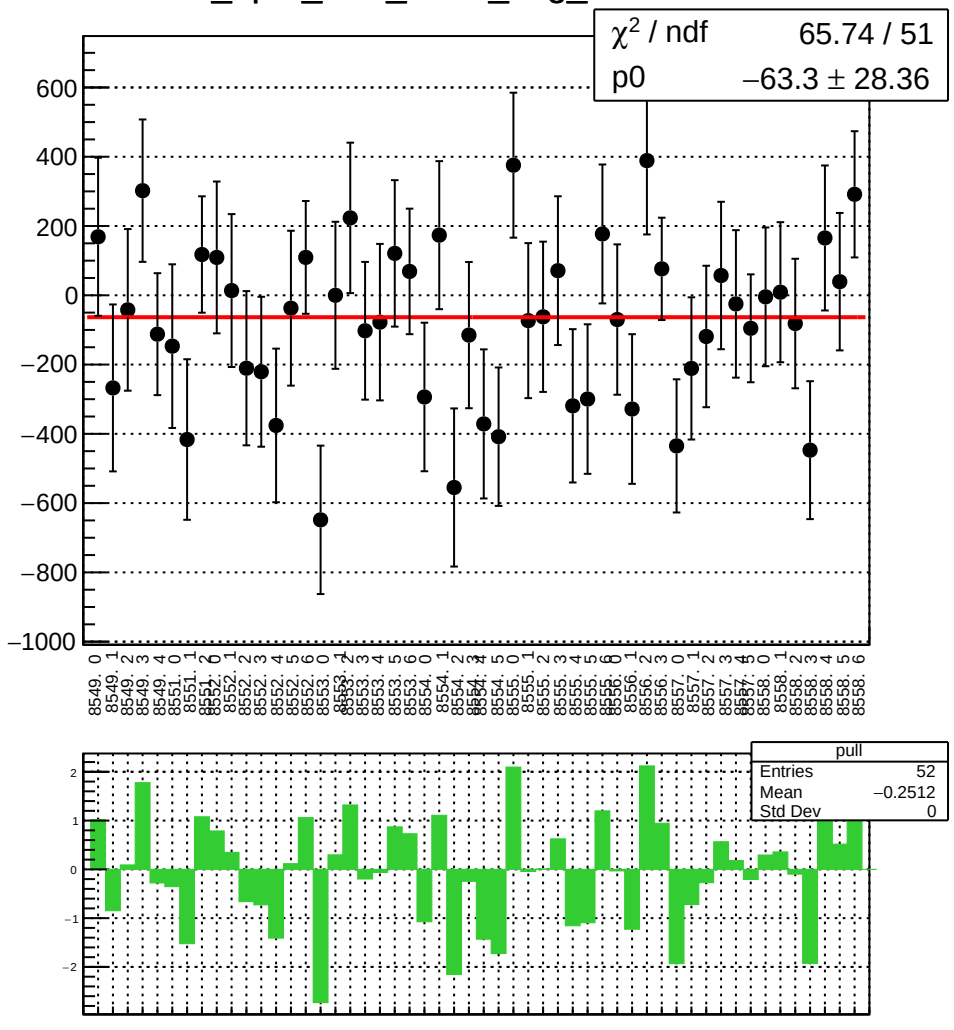

pull1D
Entries 52
Mean 0.0148
Std Dev 0.5175

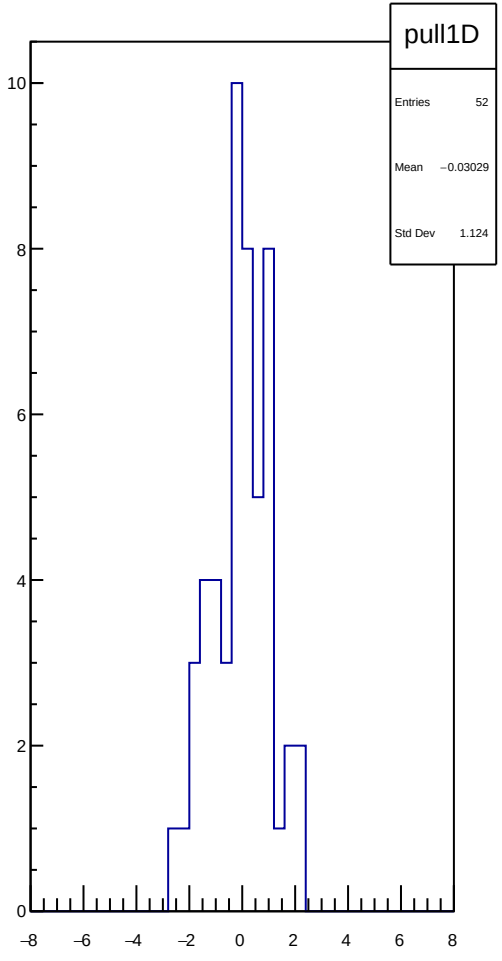

asym_bcm_dg_ds_an_ds_avg_rms vs run
χ² / ndf 1.335e+04 / 51
p0 426 ± 0.4232
750
700
650
600
550
500
450
400
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 5
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

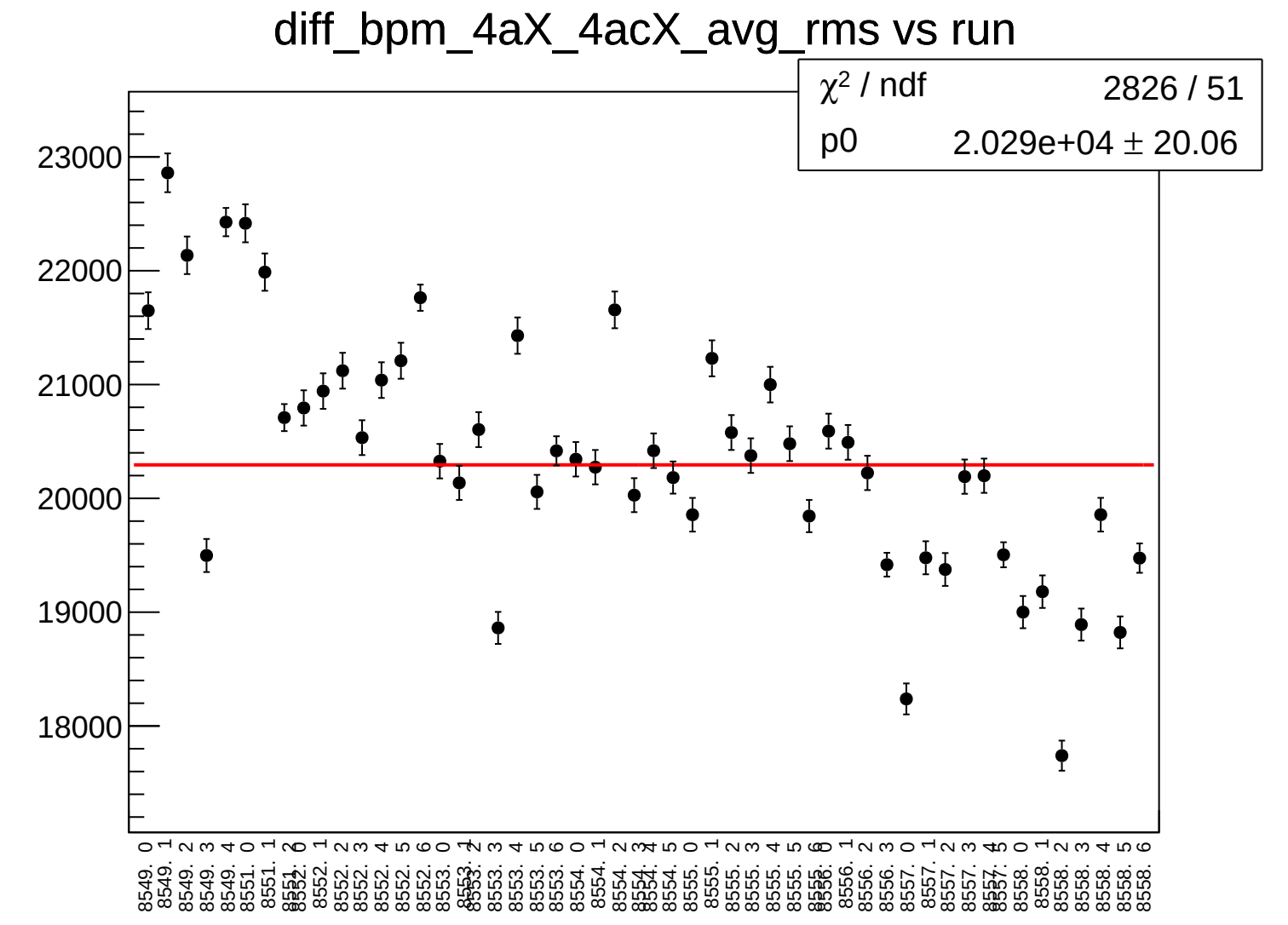

asym_bcm_dg_ds_an_ds_dd_mean vs run
χ² / ndf 51.55 / 51
p0 10.01 ± 25.18
pull
Entries 52
Mean −318.1
Std Dev 0

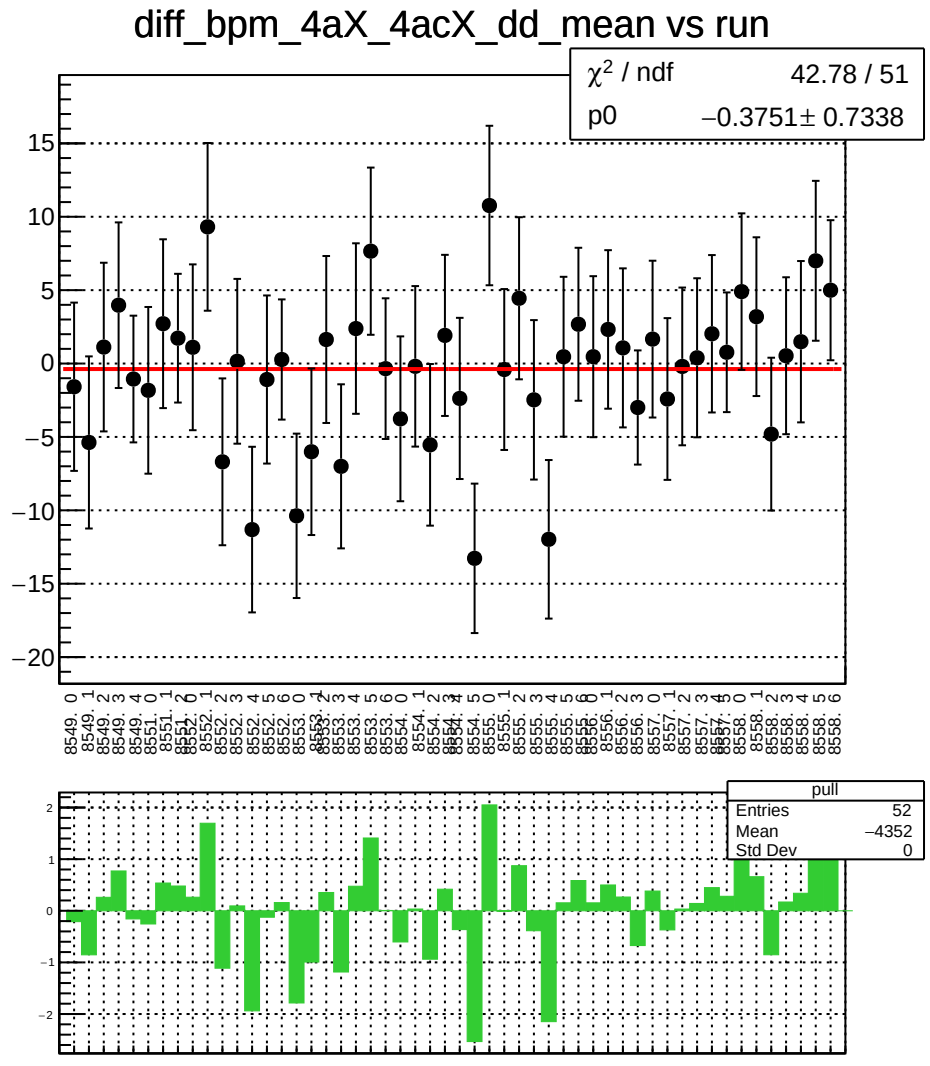

pull1D
Entries 52
Mean 0.00991
Std Dev 0.9956

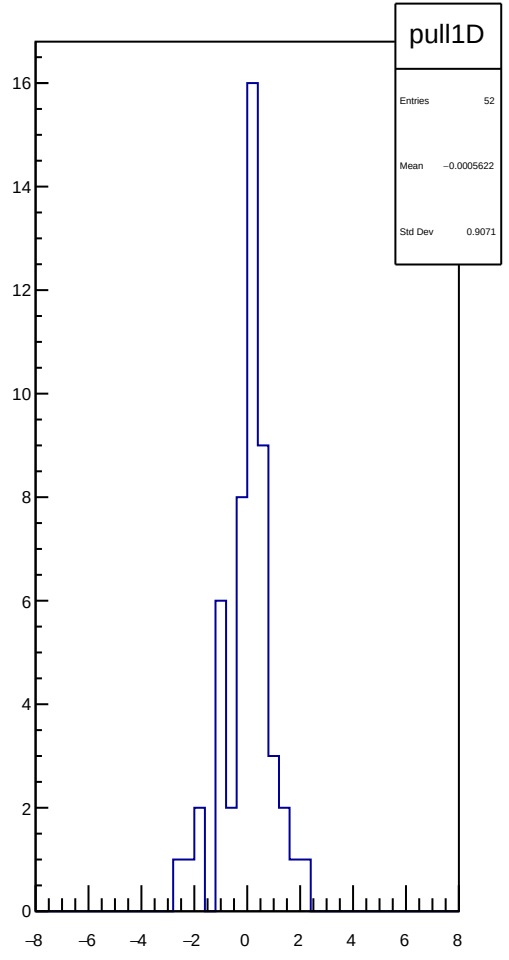

asym_bcm_dg_ds_an_ds_dd_rms vs run
χ² / ndf 3422 / 51
p0 18.01 ± 0.0178
21
20
19
18
17
16
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

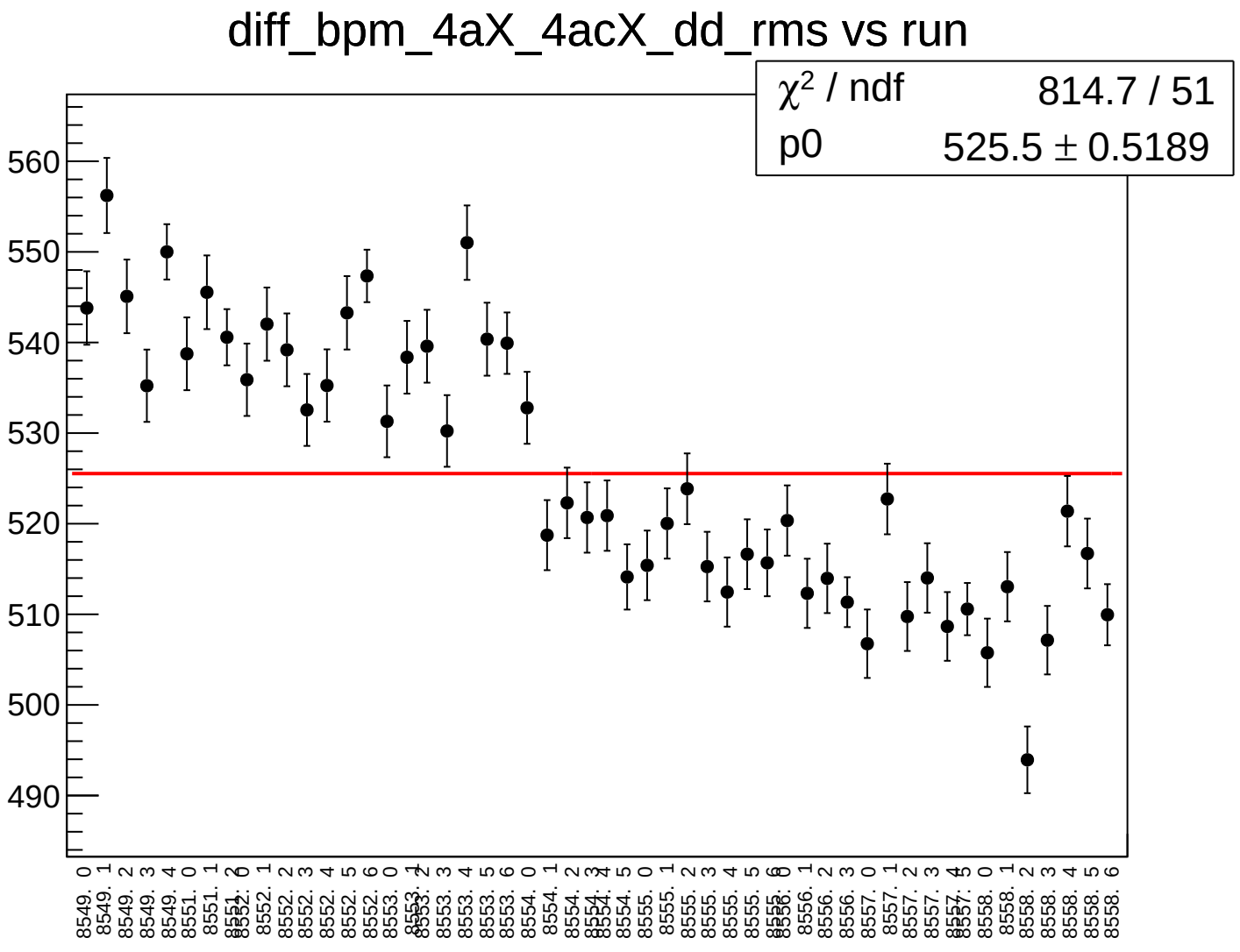

diff_bpm_4aX_4acX_avg_mean vs run
χ² / ndf 65.74 / 51
p0 −63.3 ± 28.36
pull
Entries 52
Mean −0.2512
Std Dev 0

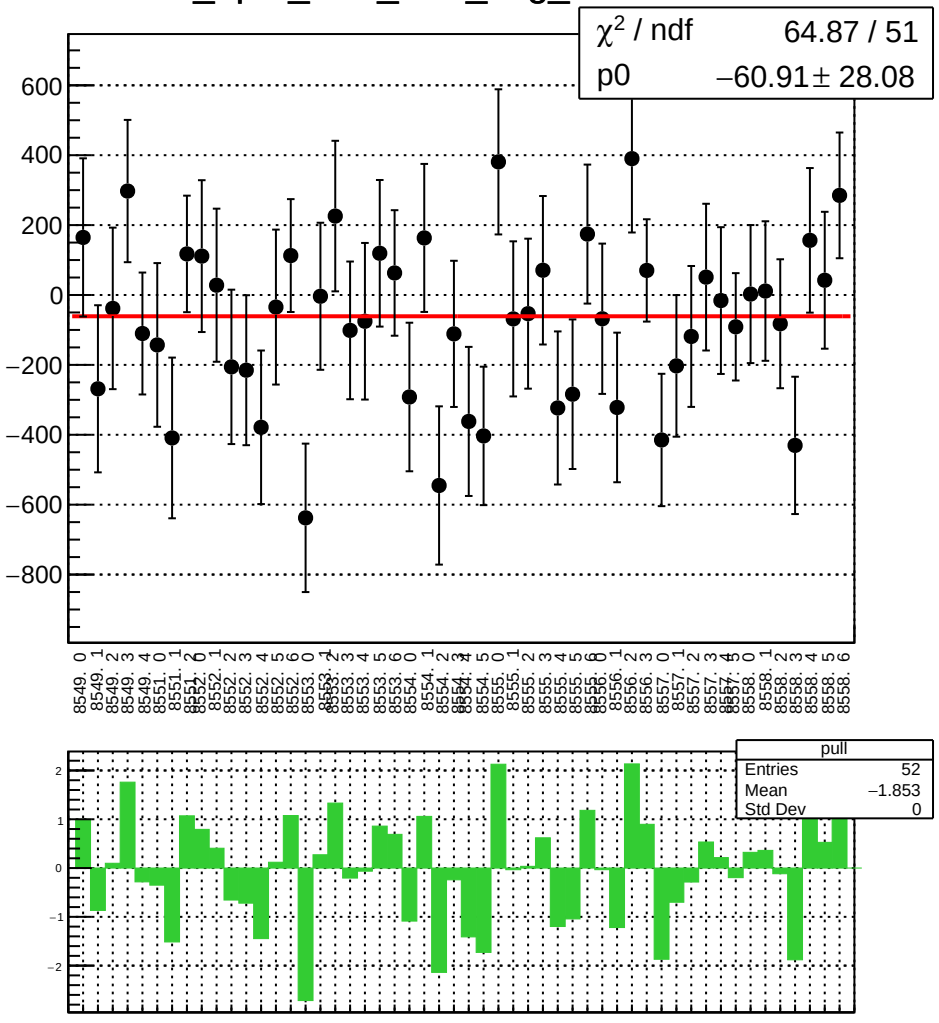

pull1D
Entries 52
Mean −0.03029
Std Dev 1.124

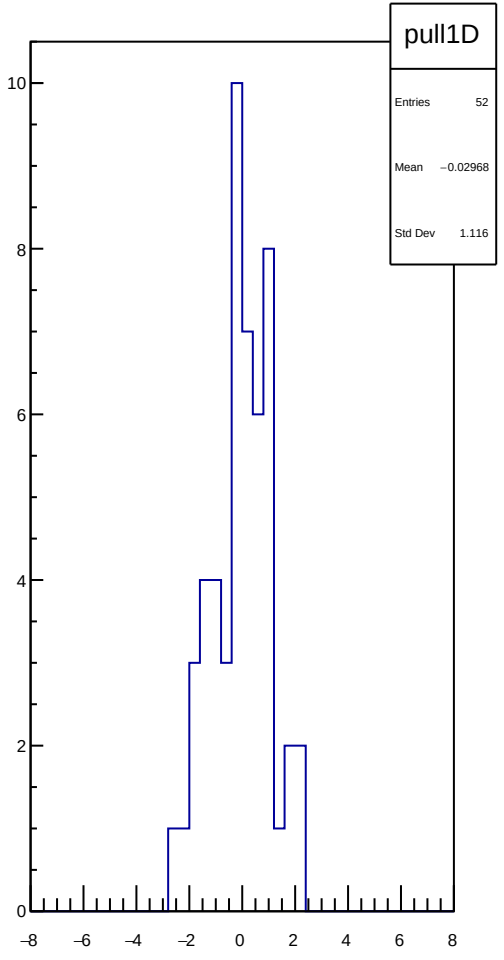

diff_bpm_4aX_4acX_avg_rms vs run
χ² / ndf 2826 / 51
p0 2.029e+04 ± 20.06
23000
22000
21000
20000
19000
18000
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

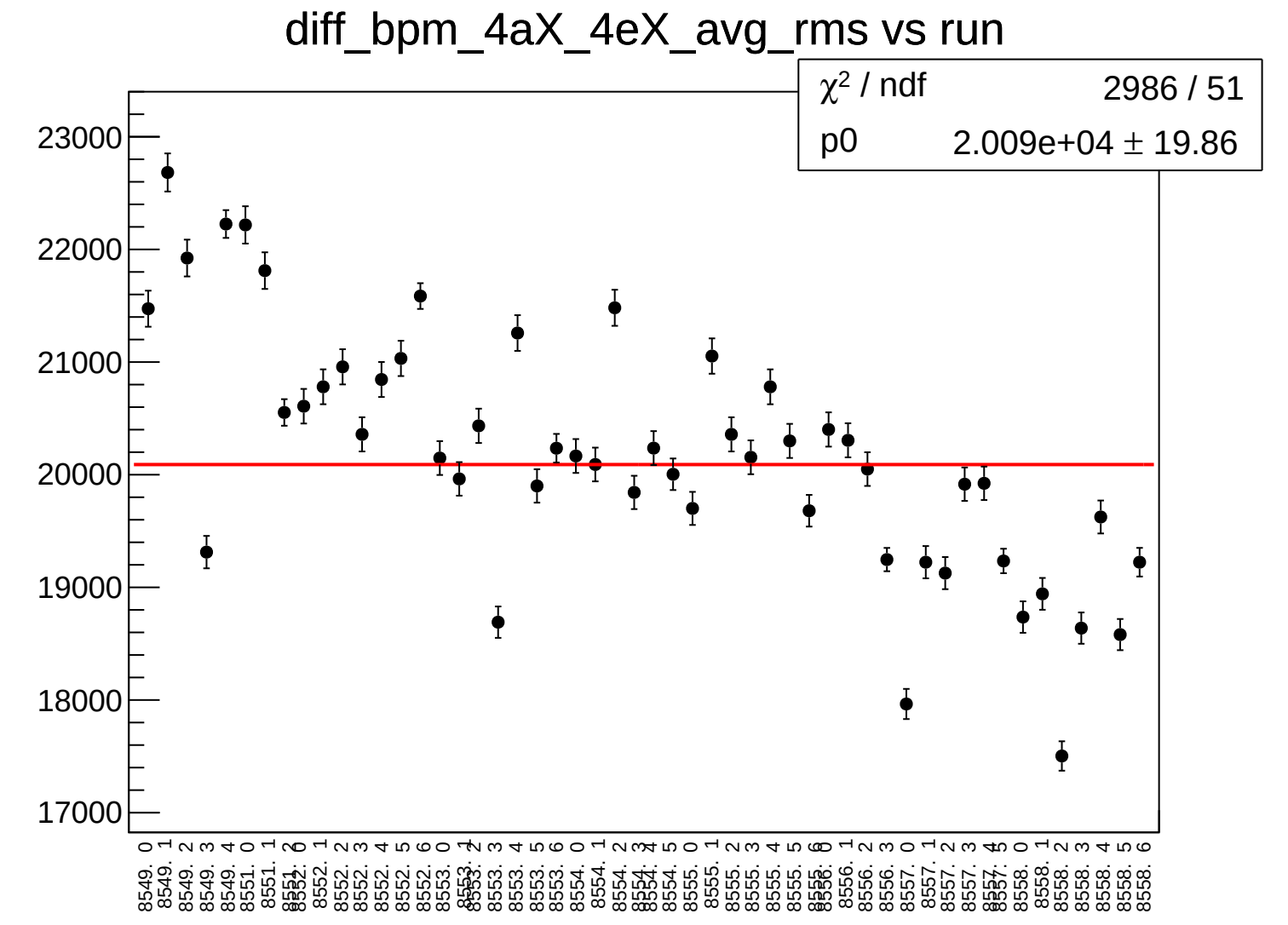

diff_bpm_4aX_4acX_dd_mean vs run
χ² / ndf 42.78 / 51
p0 −0.3751± 0.7338
pull
Entries 52
Mean −4352
Std Dev 0


pull1D
Entries 52
Mean −0.0005622
Std Dev 0.9071


diff_bpm_4aX_4acX_dd_rms vs run
χ² / ndf 814.7 / 51
p0 525.5 ± 0.5189
560
550
540
530
520
510
500
490
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6


diff_bpm_4aX_4eX_avg_mean vs run
χ² / ndf 64.87 / 51
p0 −60.91± 28.08
pull
Entries 52
Mean −1.853
Std Dev 0


pull1D
Entries 52
Mean −0.02968
Std Dev 1.116


diff_bpm_4aX_4eX_avg_rms vs run
χ² / ndf 2986 / 51
p0 2.009e+04 ± 19.86
23000
22000
21000
20000
19000
18000
17000
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
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8557. 3
8558. 0
8558. 1
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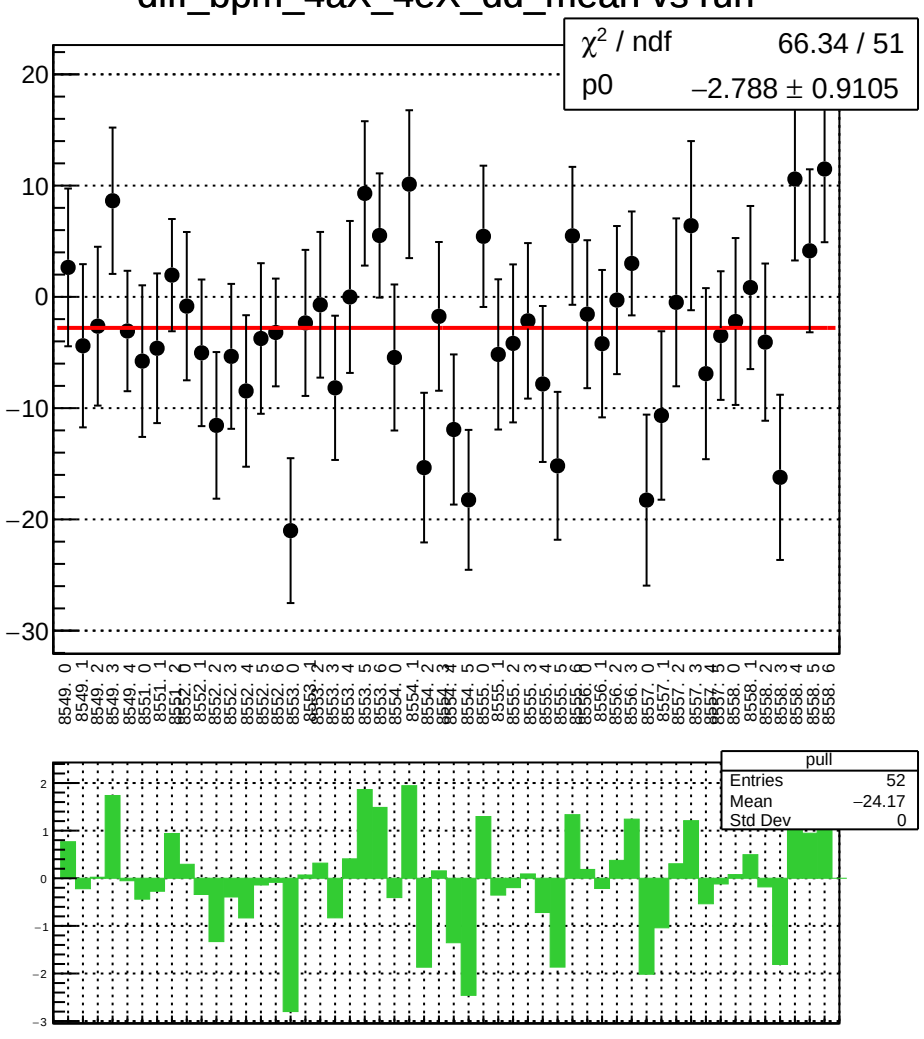
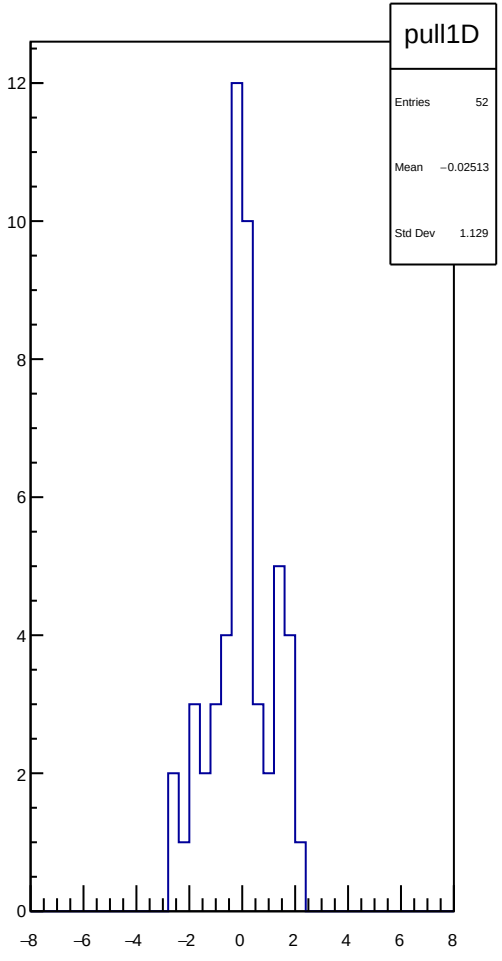
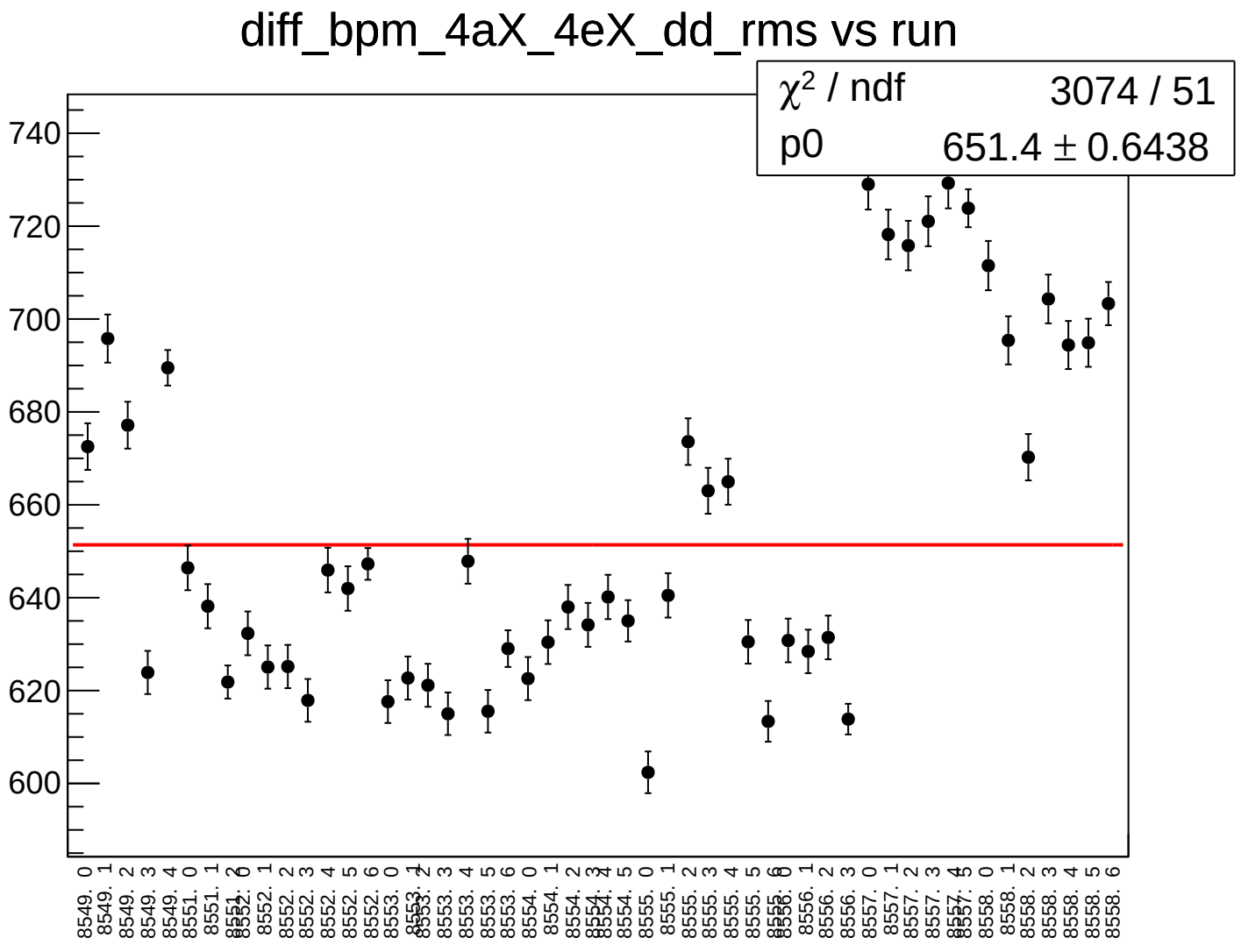
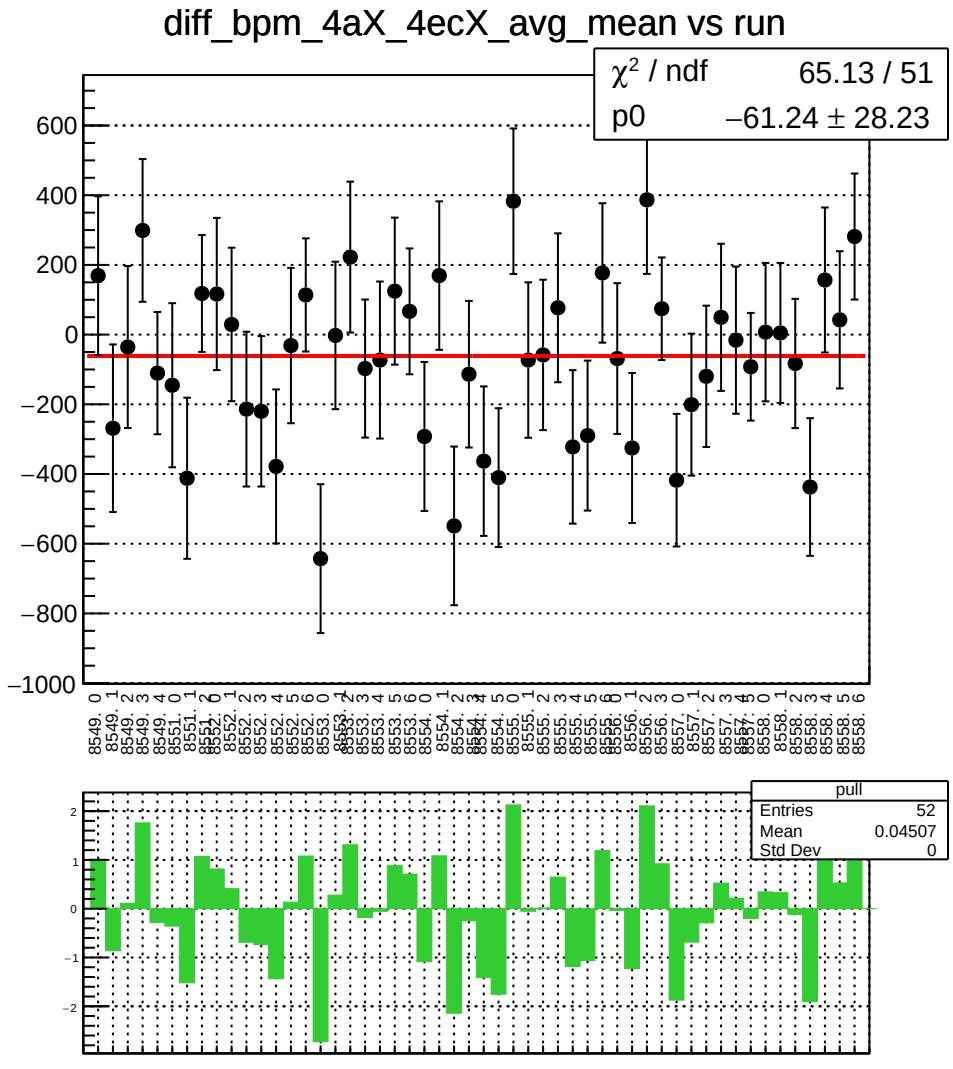
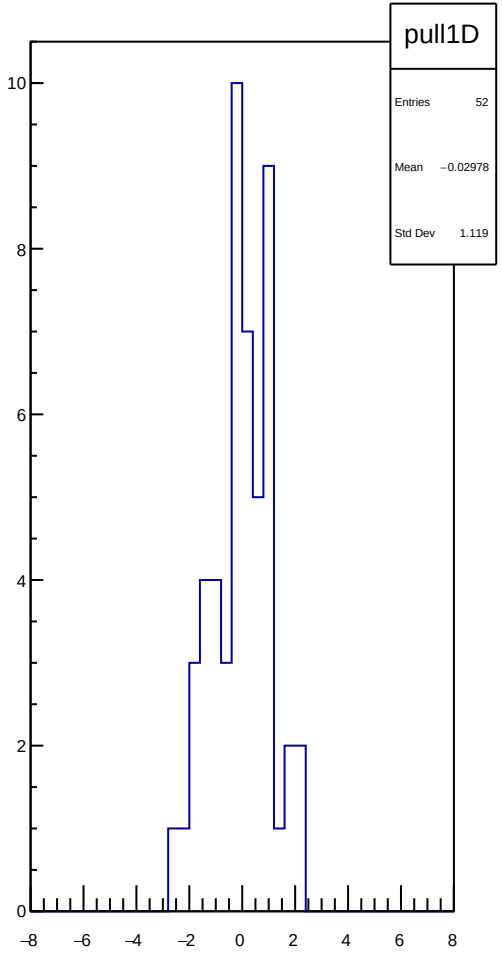
8558. 5
8558. 6

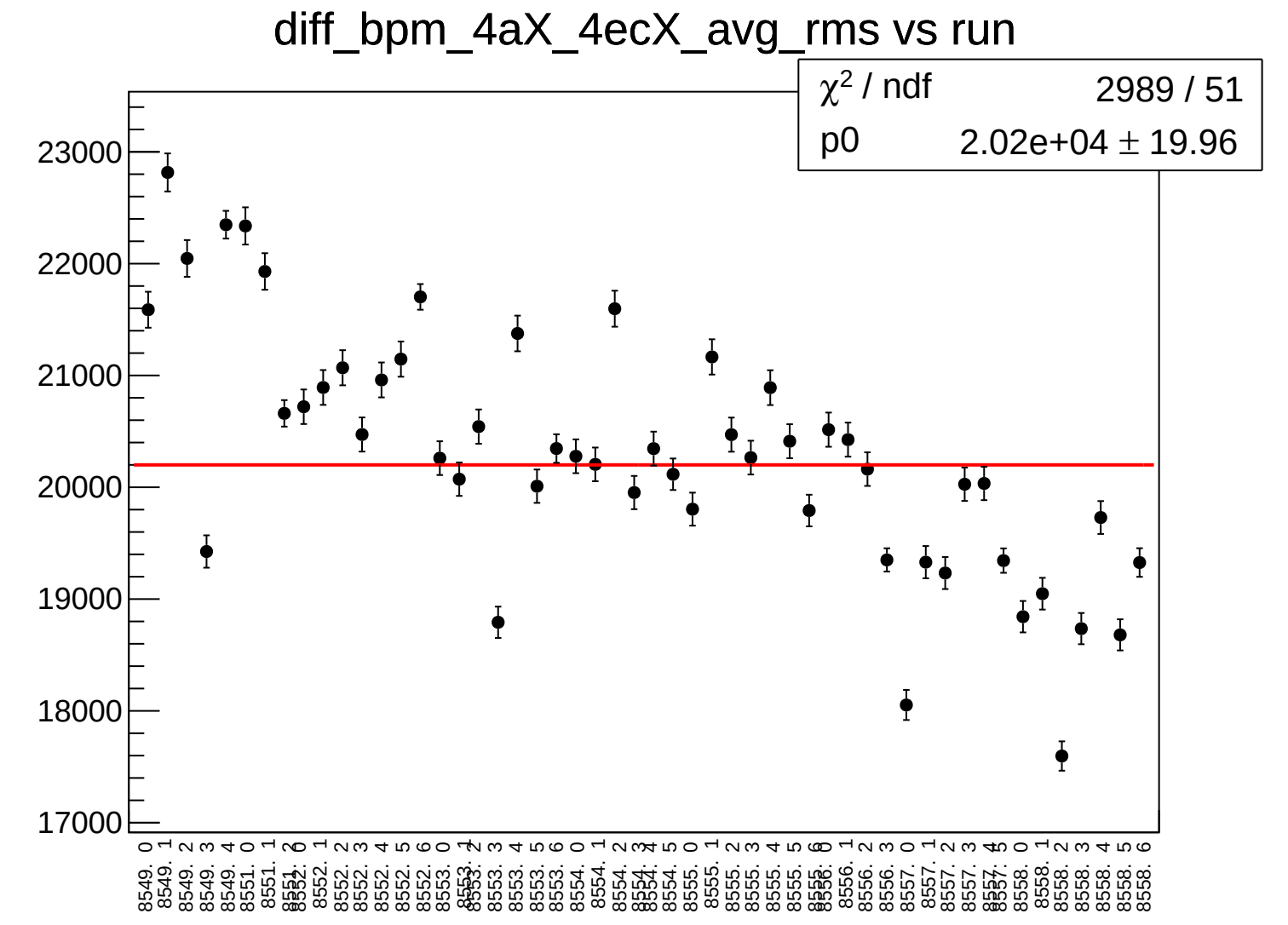

diff_bpm_4aX_4eX_dd_mean vs run
χ² / ndf 66.34 / 51
p0 −2.788 ± 0.9105
pull
Entries 52
Mean −24.17
Std Dev 0


pull1D
Entries 52
Mean −0.02513
Std Dev 1.129


diff_bpm_4aX_4eX_dd_rms vs run
χ² / ndf 3074 / 51
p0 651.4 ± 0.6438
740
720
700
680
660
640
620
600
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 5
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6


diff_bpm_4aX_4ecX_avg_mean vs run
χ² / ndf 65.13 / 51
p0 −61.24 ± 28.23
pull
Entries 52
Mean 0.04507
Std Dev 0


pull1D
Entries 52
Mean −0.02978
Std Dev 1.119


diff_bpm_4aX_4ecX_avg_rms vs run
χ² / ndf 2989 / 51
p0 2.02e+04 ± 19.96
23000
22000
21000
20000
19000
18000
17000
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
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8557. 3
8558. 0
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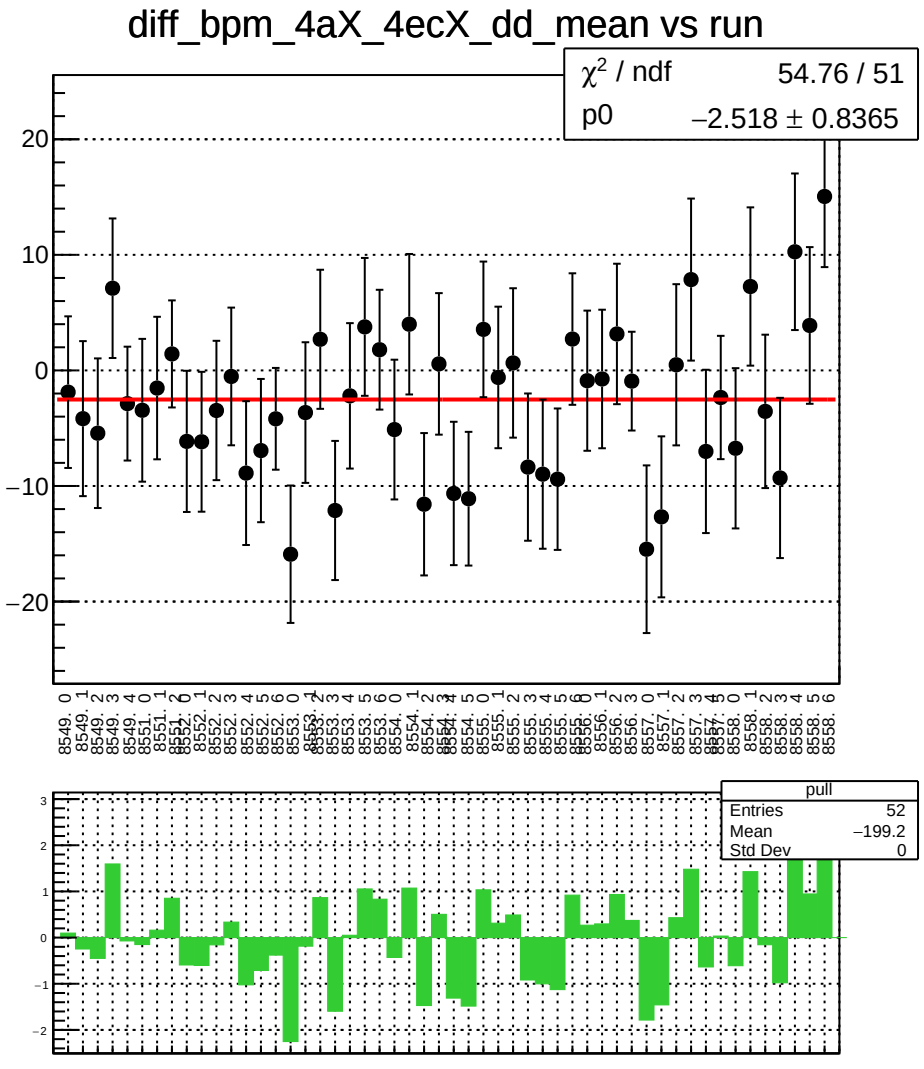
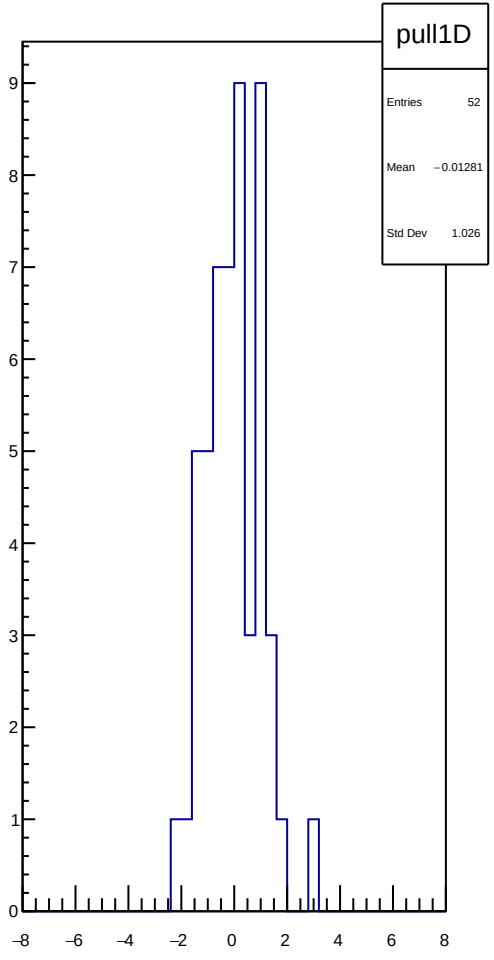
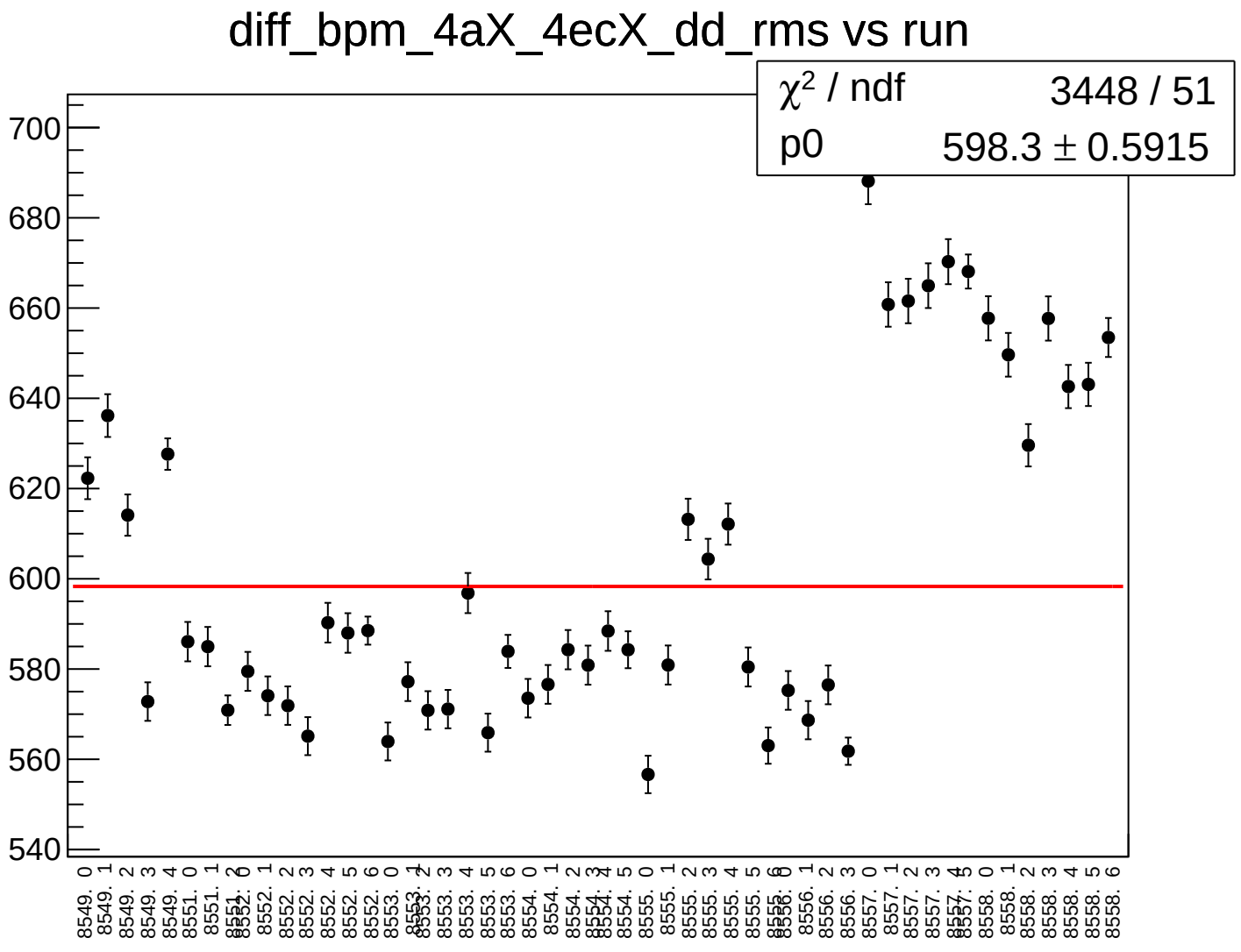
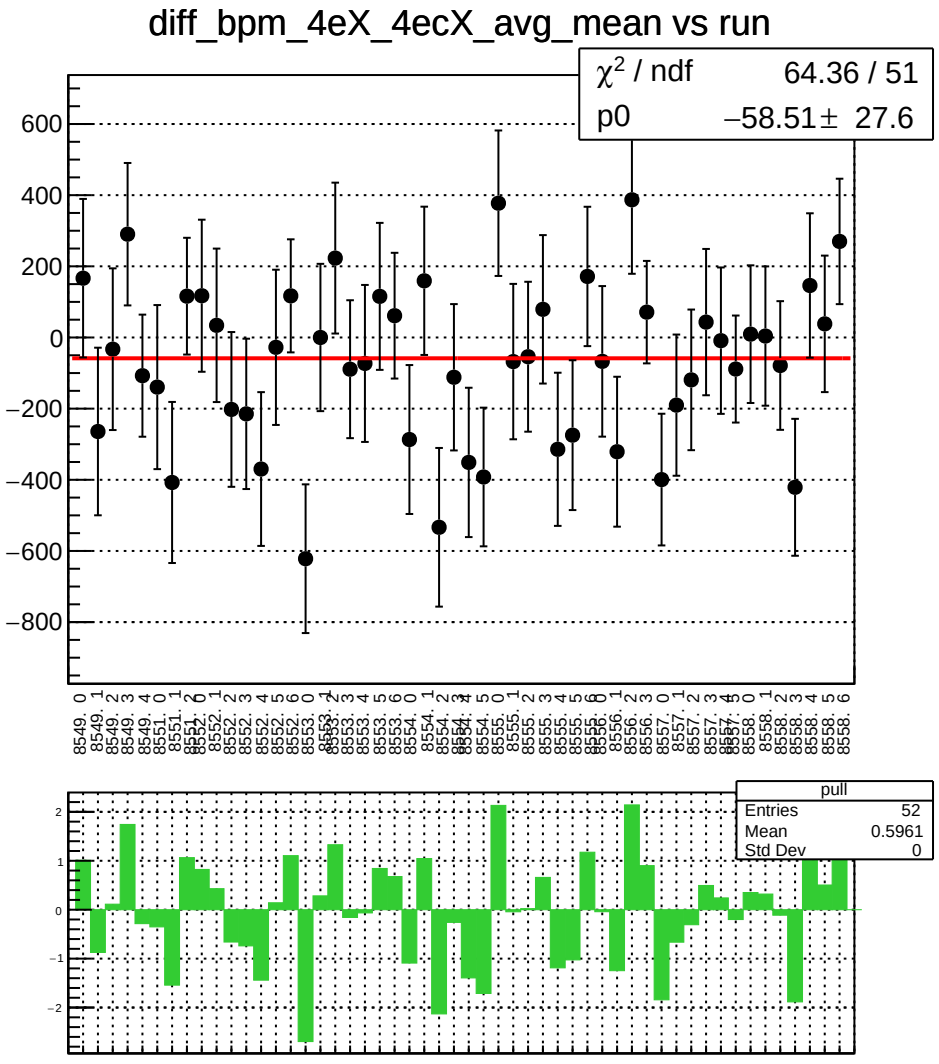
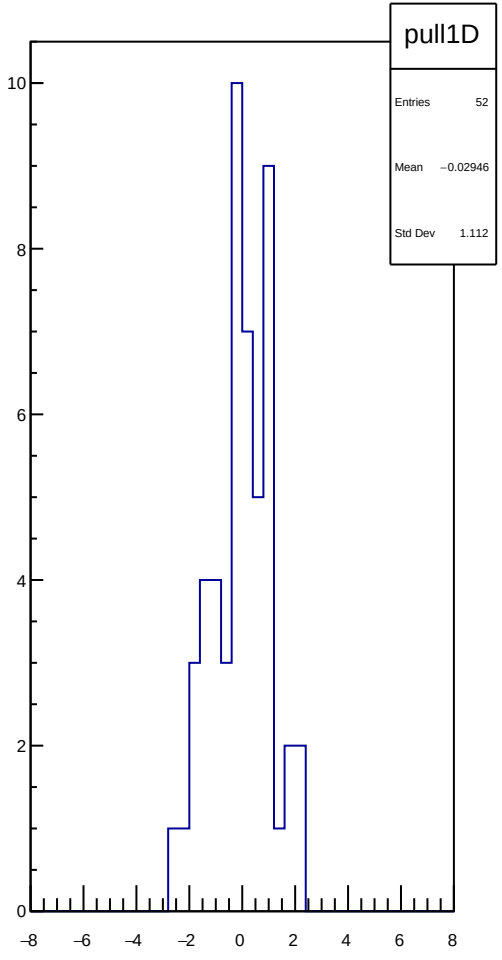
8558. 5
8558. 6

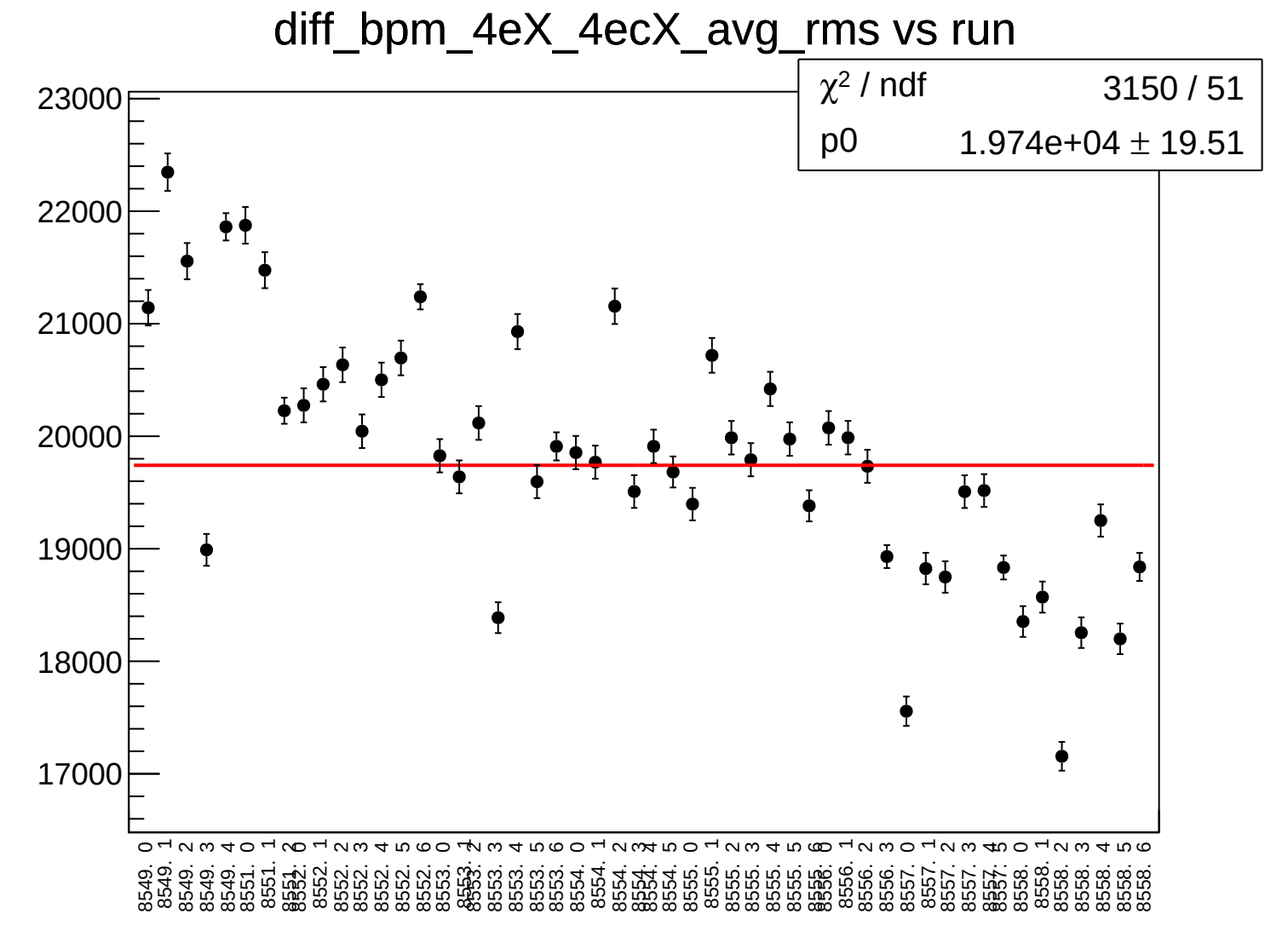

diff_bpm_4aX_4ecX_dd_mean vs run
χ² / ndf 54.76 / 51
p0 −2.518 ± 0.8365
pull
Entries 52
Mean −199.2
Std Dev 0


pull1D
Entries 52
Mean −0.01281
Std Dev 1.026


diff_bpm_4aX_4ecX_dd_rms vs run
χ² / ndf 3448 / 51
p0 598.3 ± 0.5915
700
680
660
640
620
600
580
560
540
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 5
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6


diff_bpm_4eX_4ecX_avg_mean vs run
χ² / ndf 64.36 / 51
p0 −58.51± 27.6
pull
Entries 52
Mean 0.5961
Std Dev 0


pull1D
Entries 52
Mean −0.02946
Std Dev 1.112


diff_bpm_4eX_4ecX_avg_rms vs run
χ² / ndf 3150 / 51
p0 1.974e+04 ± 19.51
23000
22000
21000
20000
19000
18000
17000
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
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8557. 3
8558. 0
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8558. 2
8558. 3
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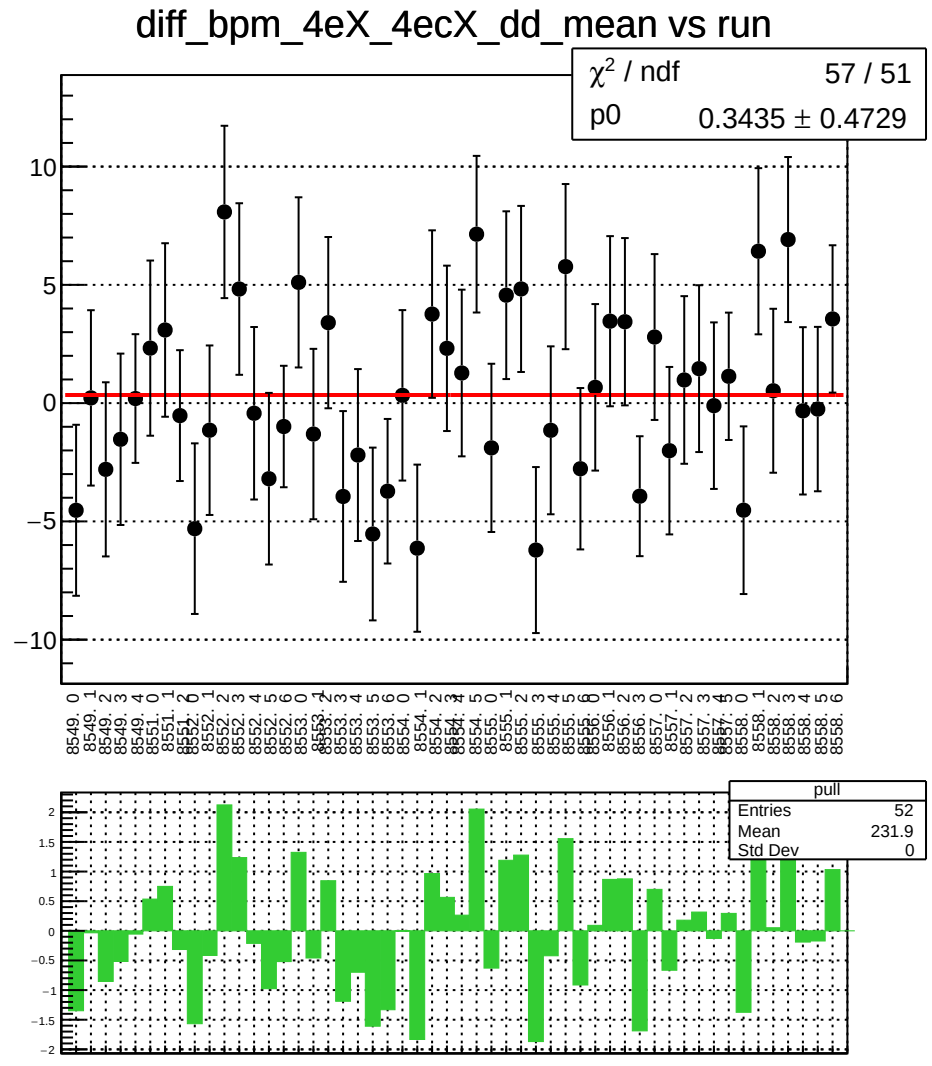
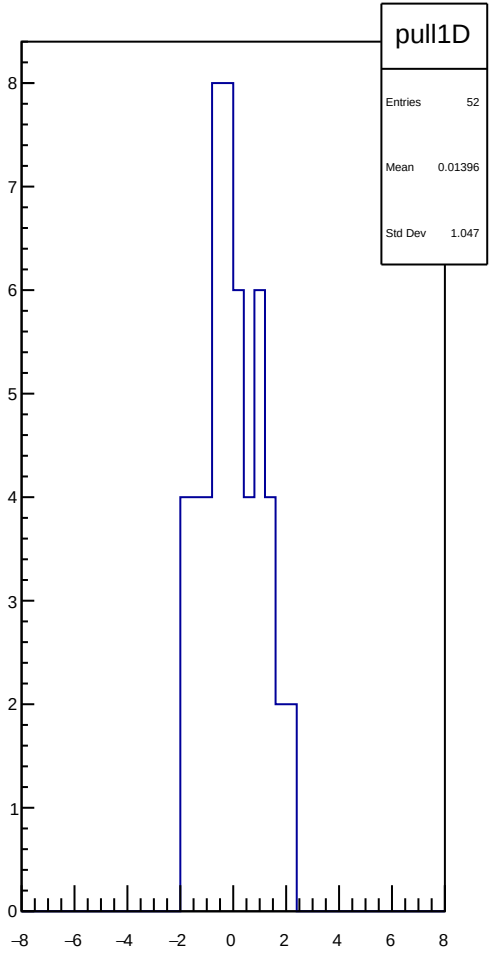
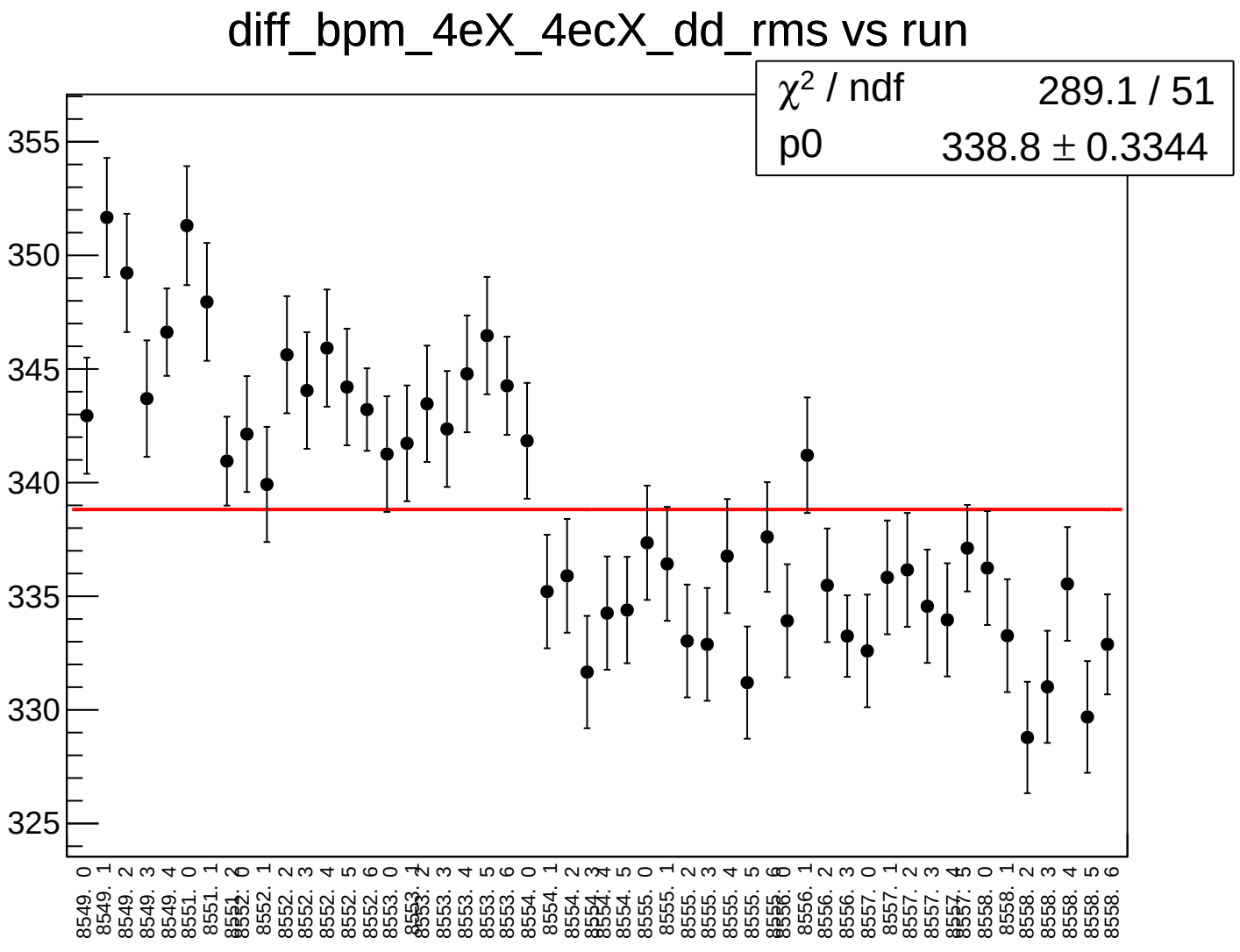
8558. 5
8558. 6


diff_bpm_4eX_4ecX_dd_mean vs run
χ² / ndf 57 / 51
p0 0.3435 ± 0.4729
pull
Entries 52
Mean 231.9
Std Dev 0


pull1D
Entries 52
Mean 0.01396
Std Dev 1.047


diff_bpm_4eX_4ecX_dd_rms vs run
χ² / ndf 289.1 / 51
p0 338.8 ± 0.3344
355
350
345
340
335
330
325
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
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8554. 2
8555. 0
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8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
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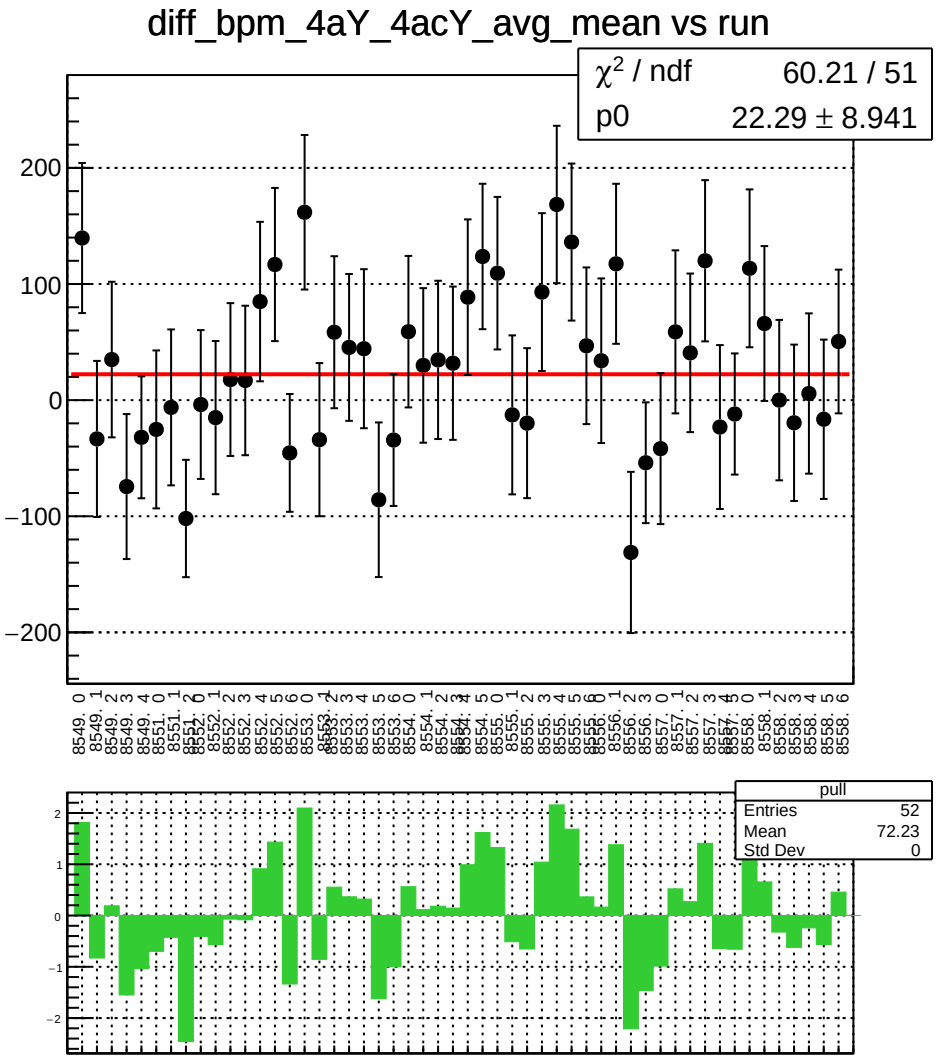
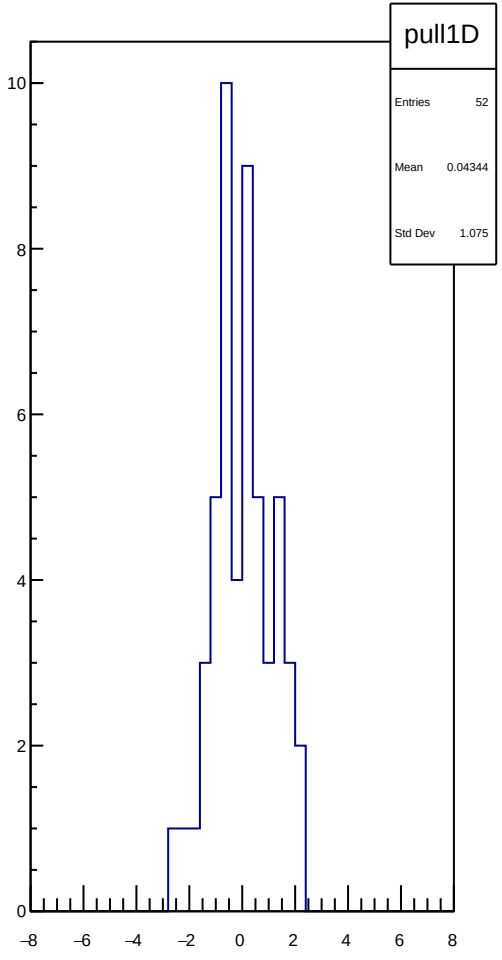
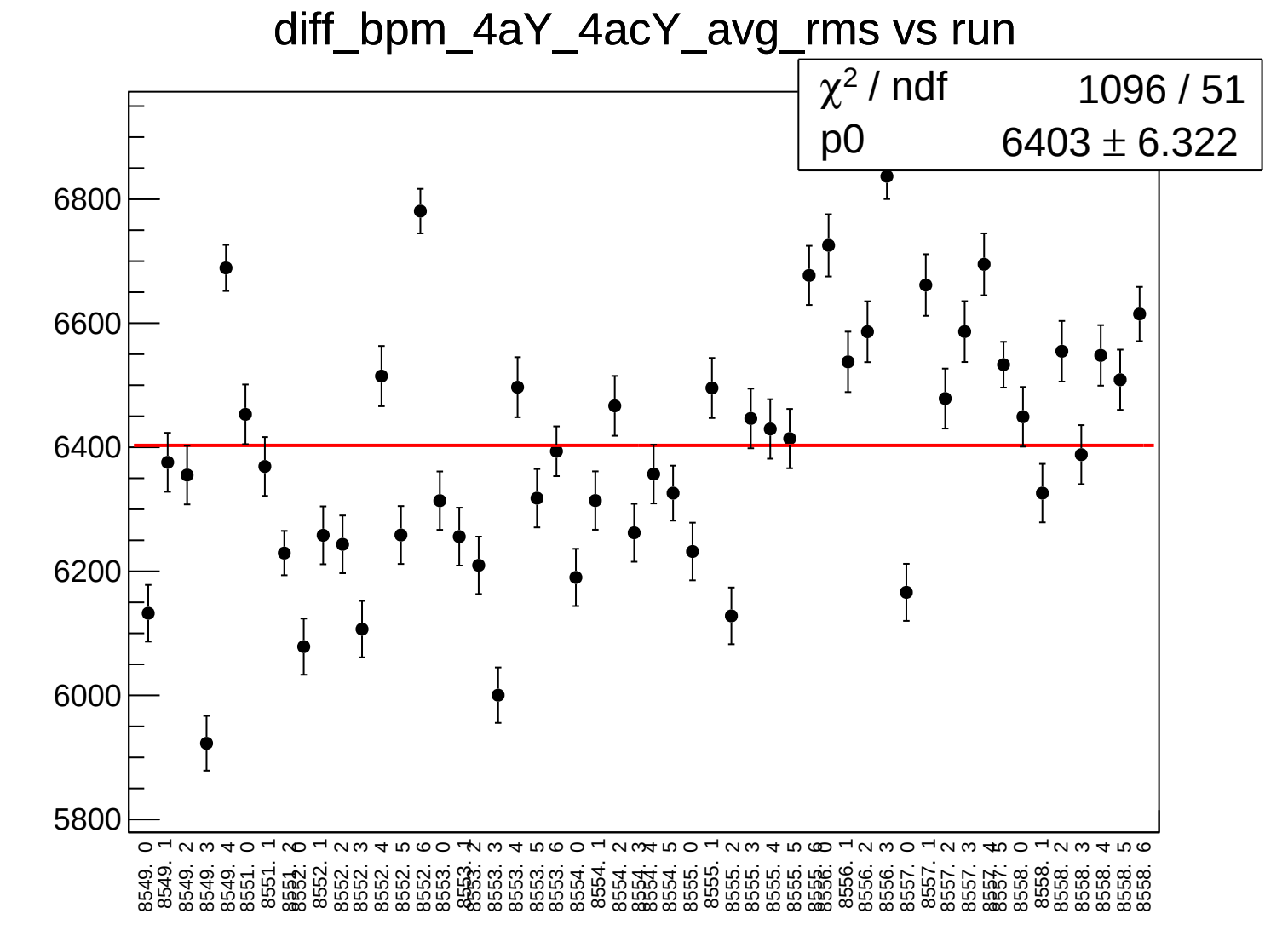
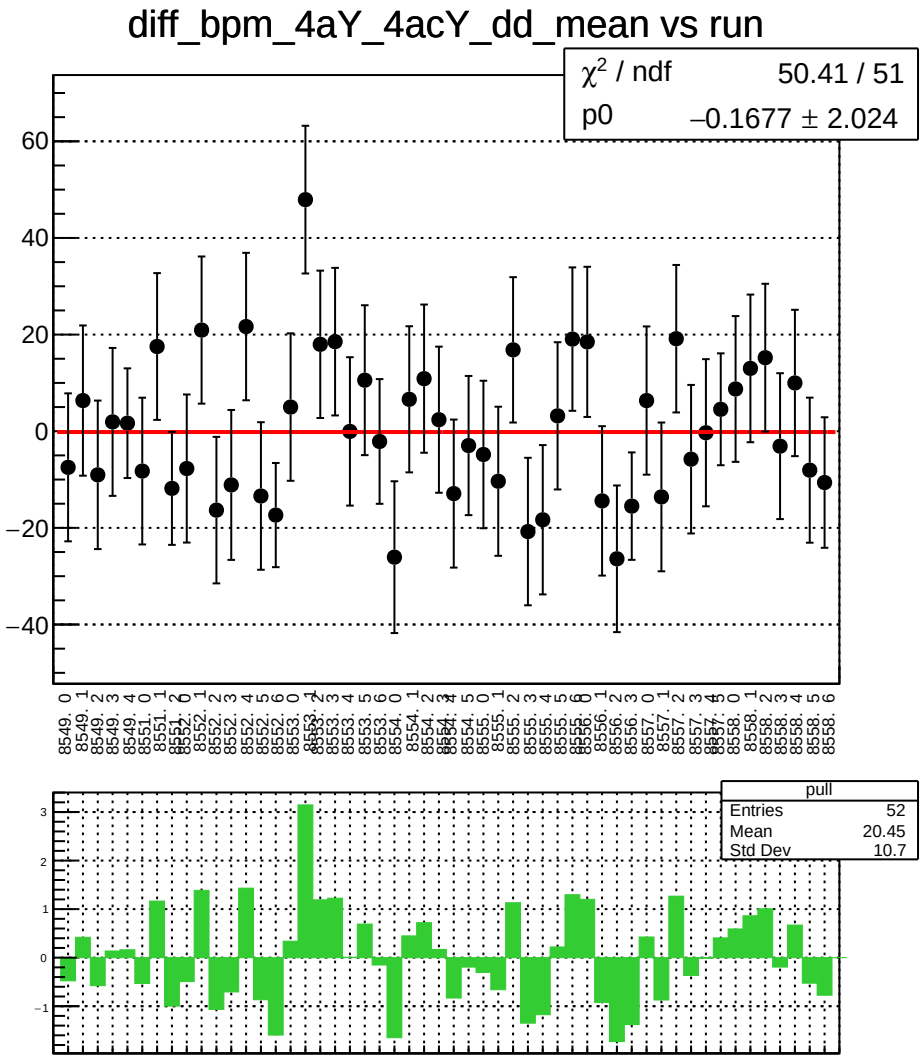
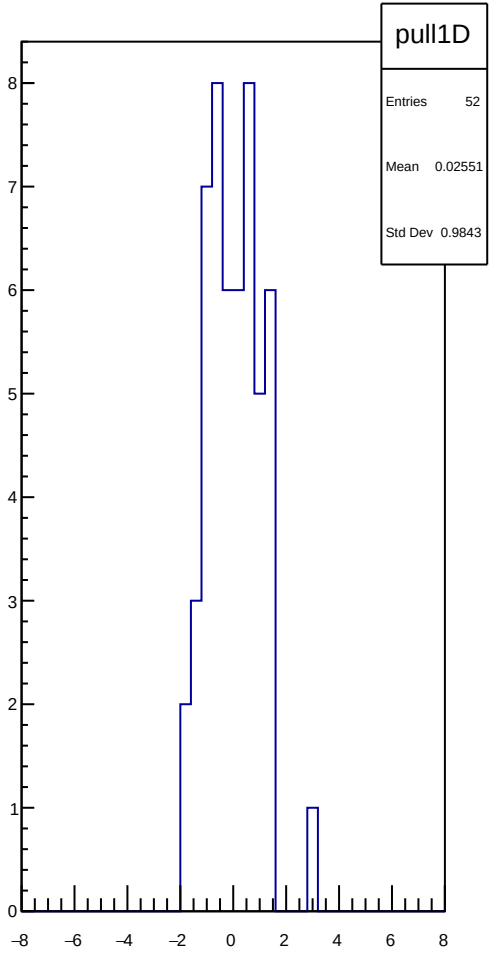
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

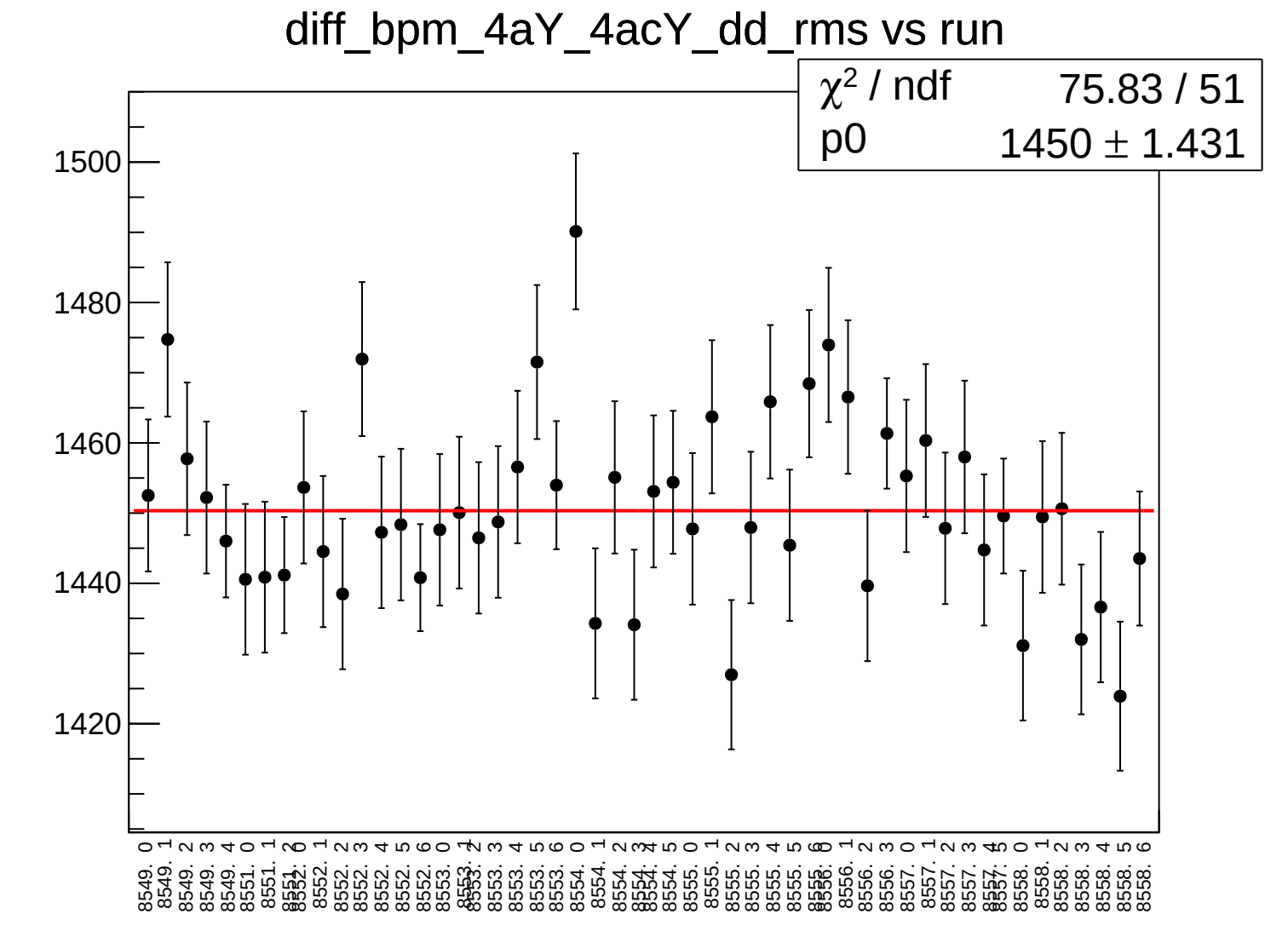

diff_bpm_4aY_4acY_avg_mean vs run
χ^2 / ndf 60.21 / 51
p0 22.29 ± 8.941
200
100
0
−100
−200
pull
Entries 52
Mean 72.23
Std Dev 0
2
1
0
−1
−2

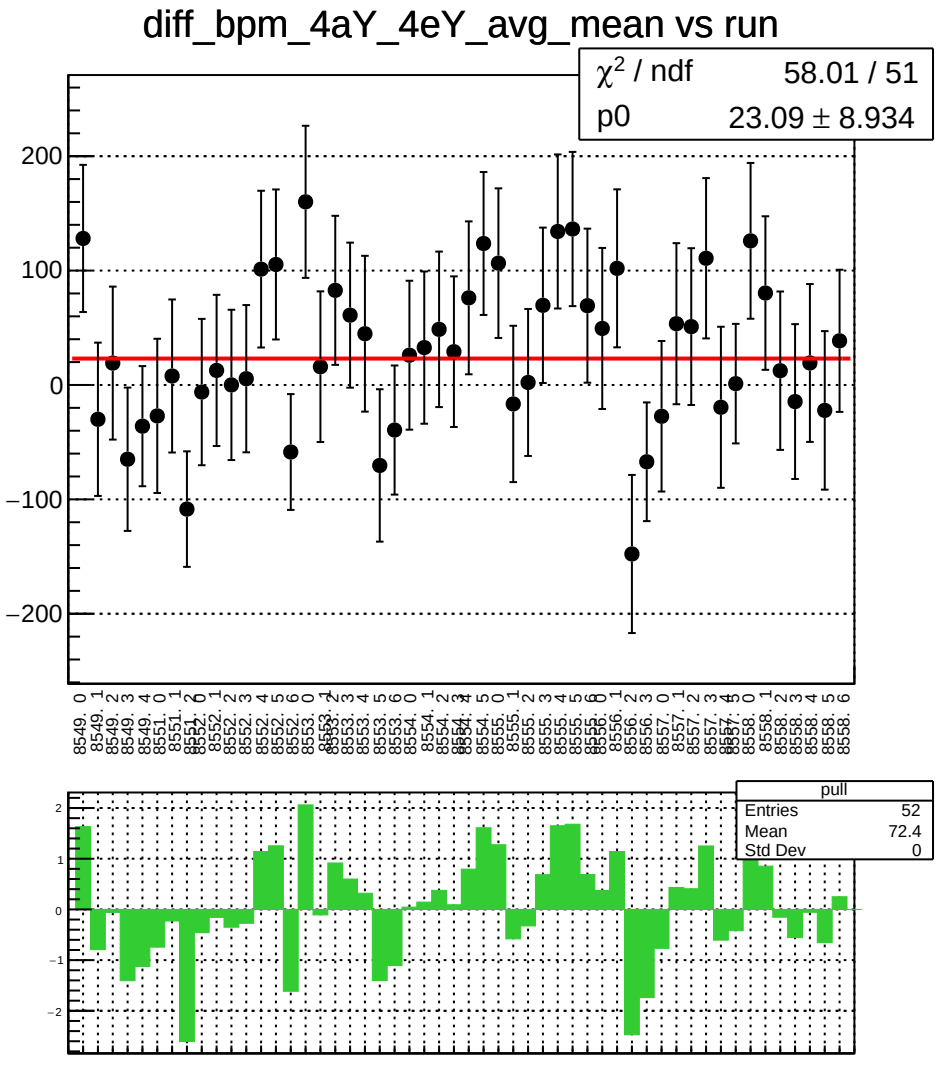

pull1D
Entries 52
Mean 0.04344
Std Dev 1.075
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

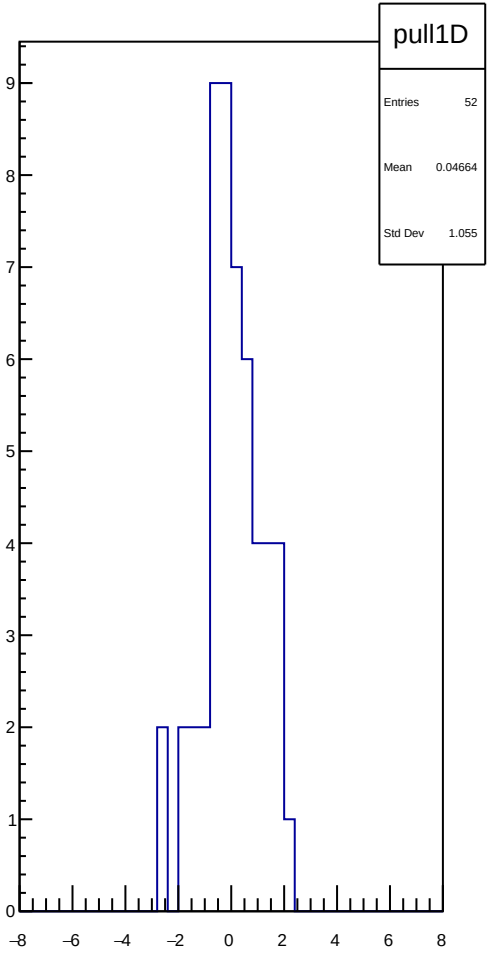

diff_bpm_4aY_4acY_avg_rms vs run
χ² / ndf 1096 / 51
p0 6403 ± 6.322
6800
6600
6400
6200
6000
5800
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 5
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

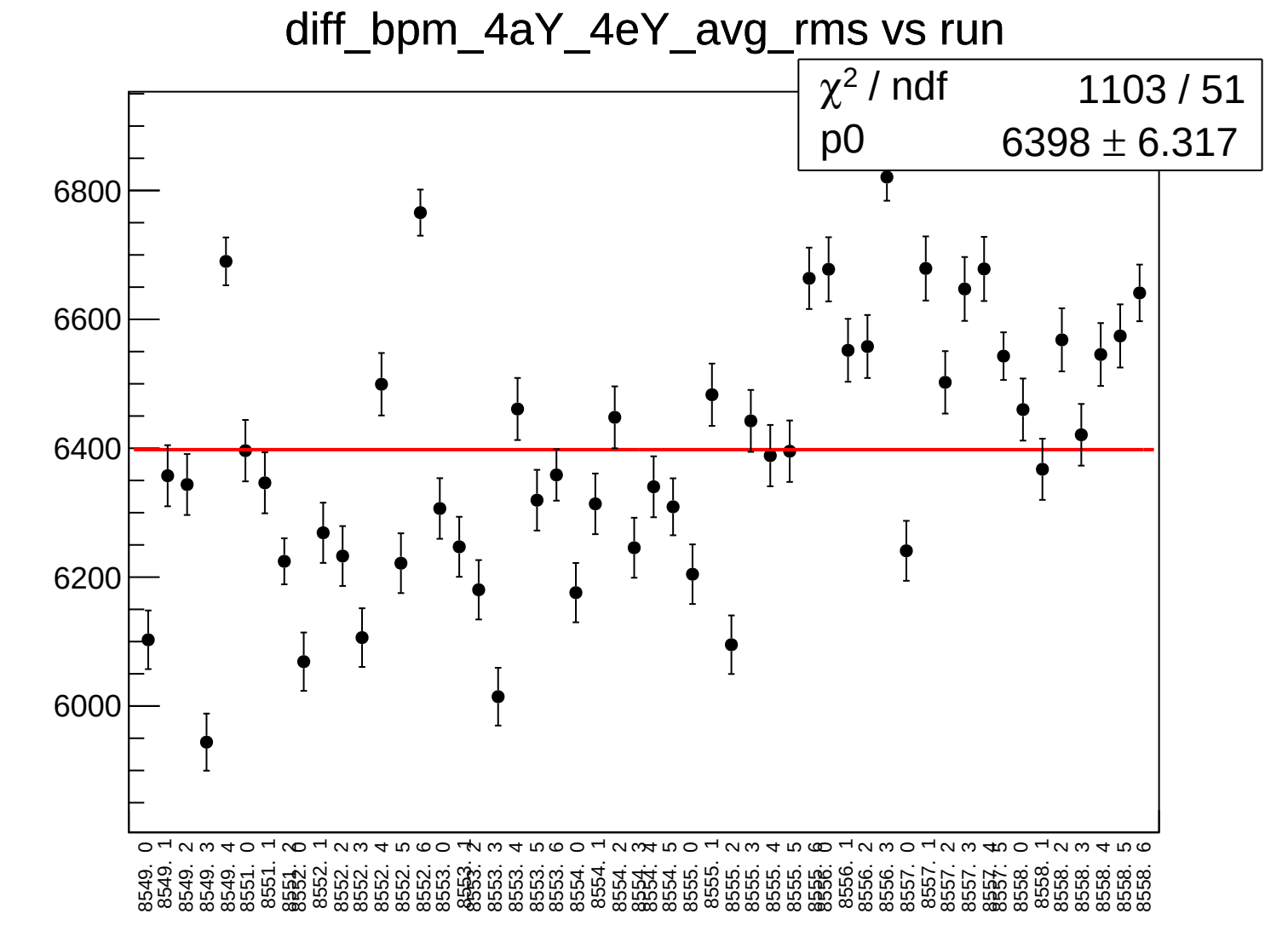

diff_bpm_4aY_4acY_dd_mean vs run
χ² / ndf 50.41 / 51
p0 −0.1677 ± 2.024
pull
Entries 52
Mean 20.45
Std Dev 10.7

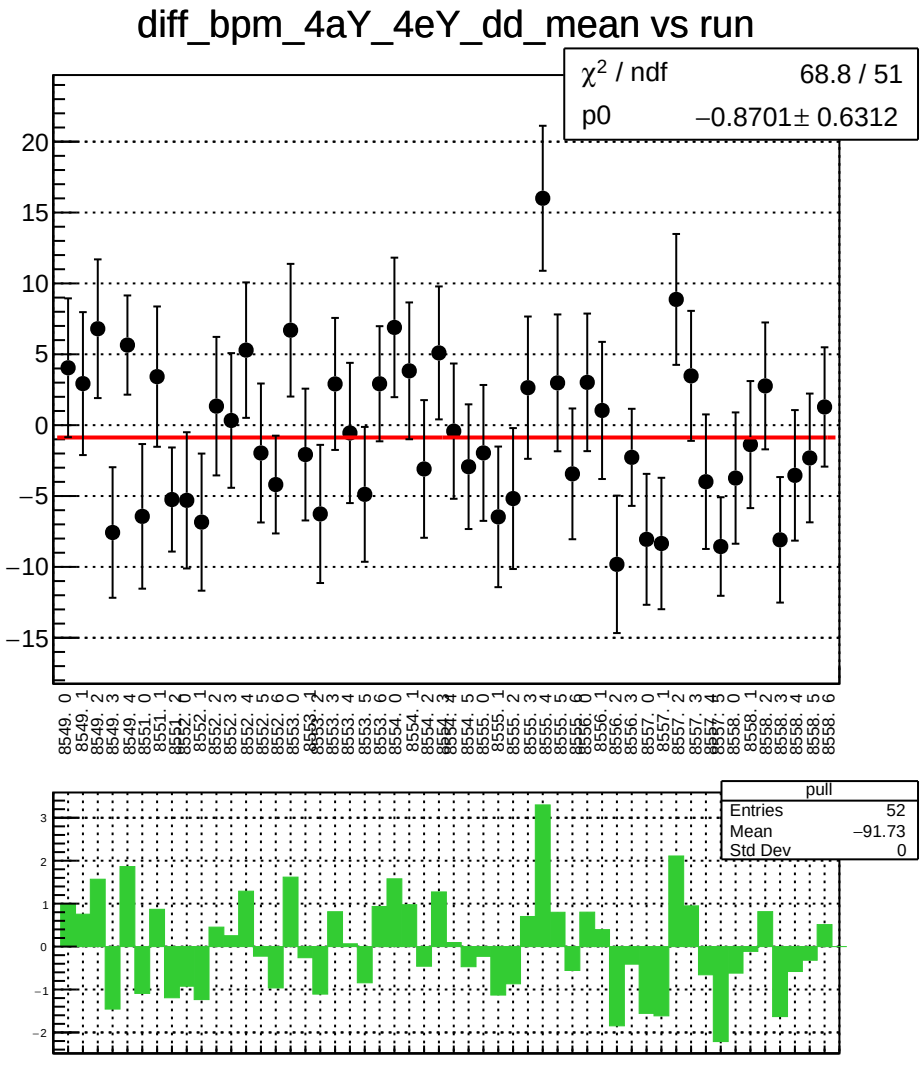

pull1D
Entries 52
Mean 0.02551
Std Dev 0.9843

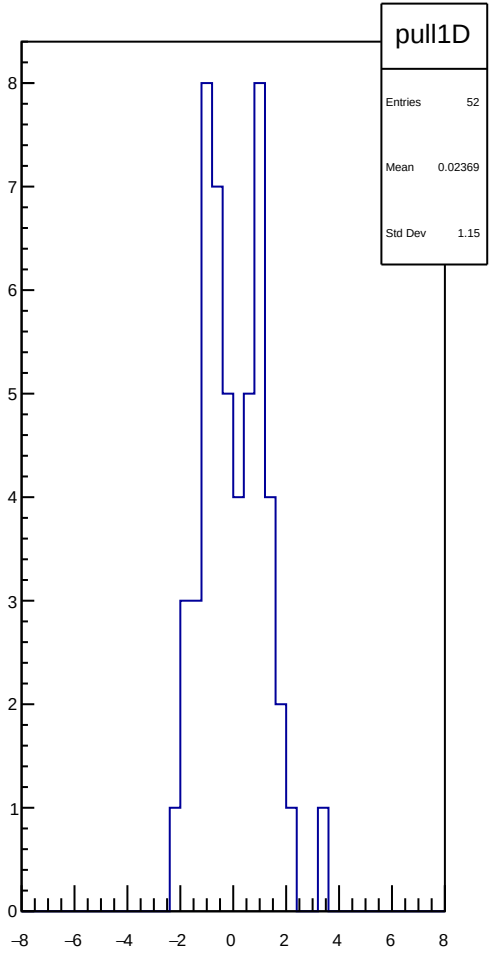

diff_bpm_4aY_4acY_dd_rms vs run
χ² / ndf 75.83 / 51
p0 1450 ± 1.431
1500
1480
1460
1440
1420
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8551. 2
8552. 0
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 1
8553. 2
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 3
8554. 4
8554. 5
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8555. 6
8556. 0
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8557. 4
8557. 5
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

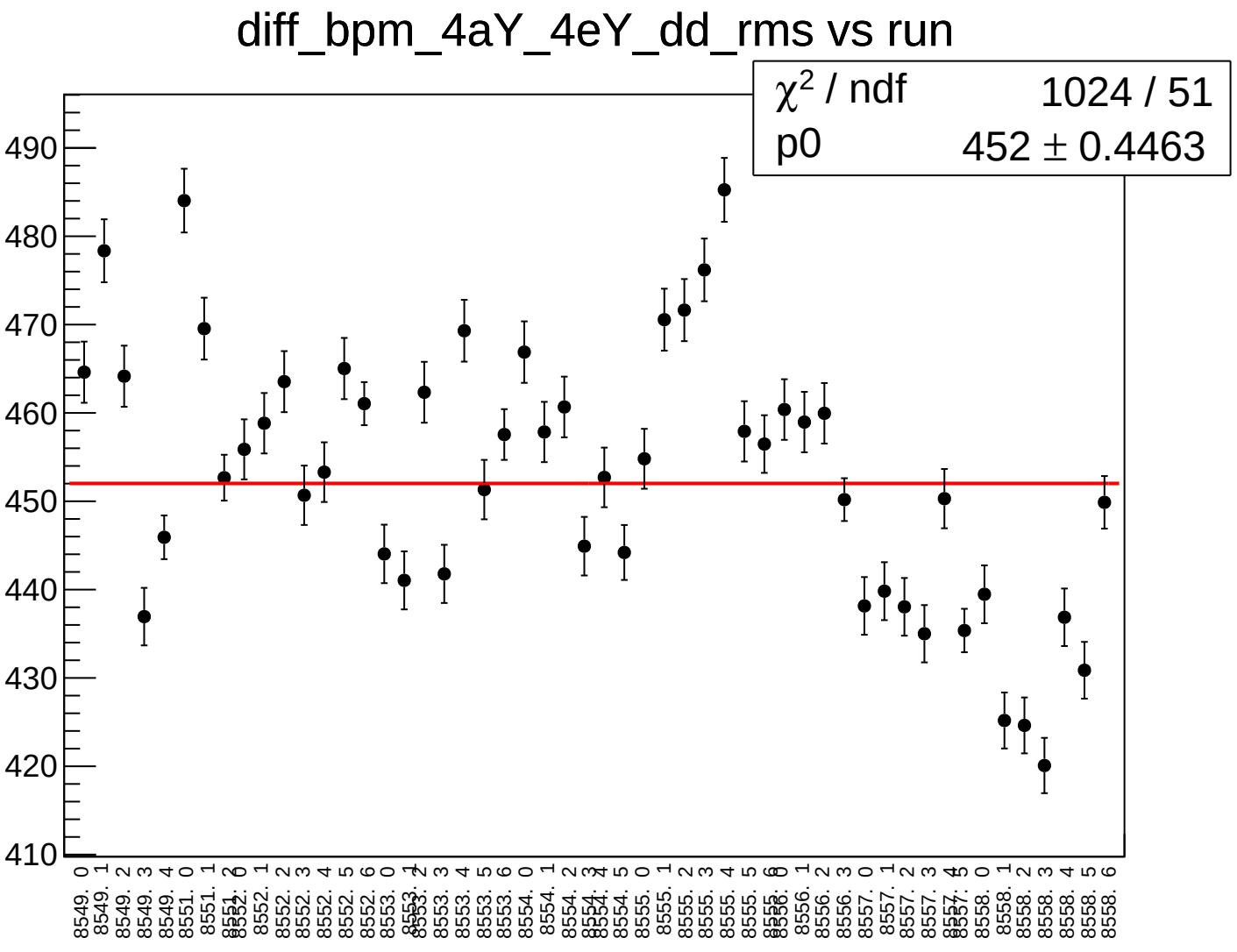

diff_bpm_4aY_4eY_avg_mean vs run
χ² / ndf 58.01 / 51
p0 23.09 ± 8.934
200
100
0
−100
−200
pull
Entries 52
Mean 72.4
Std Dev 0
2
1
0
−1
−2


pull1D
Entries 52
Mean 0.04664
Std Dev 1.055
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


diff_bpm_4aY_4eY_avg_rms vs run
χ² / ndf 1103 / 51
p0 6398 ± 6.317
6800
6600
6400
6200
6000
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 5
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6


diff_bpm_4aY_4eY_dd_mean vs run
χ² / ndf 68.8 / 51
p0 −0.8701± 0.6312
pull
Entries 52
Mean −91.73
Std Dev 0


pull1D
Entries 52
Mean 0.02369
Std Dev 1.15


diff_bpm_4aY_4eY_dd_rms vs run
χ² / ndf 1024 / 51
p0 452 ± 0.4463
490
480
470
460
450
440
430
420
410
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
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8557. 3
8558. 0
8558. 1
8558. 2
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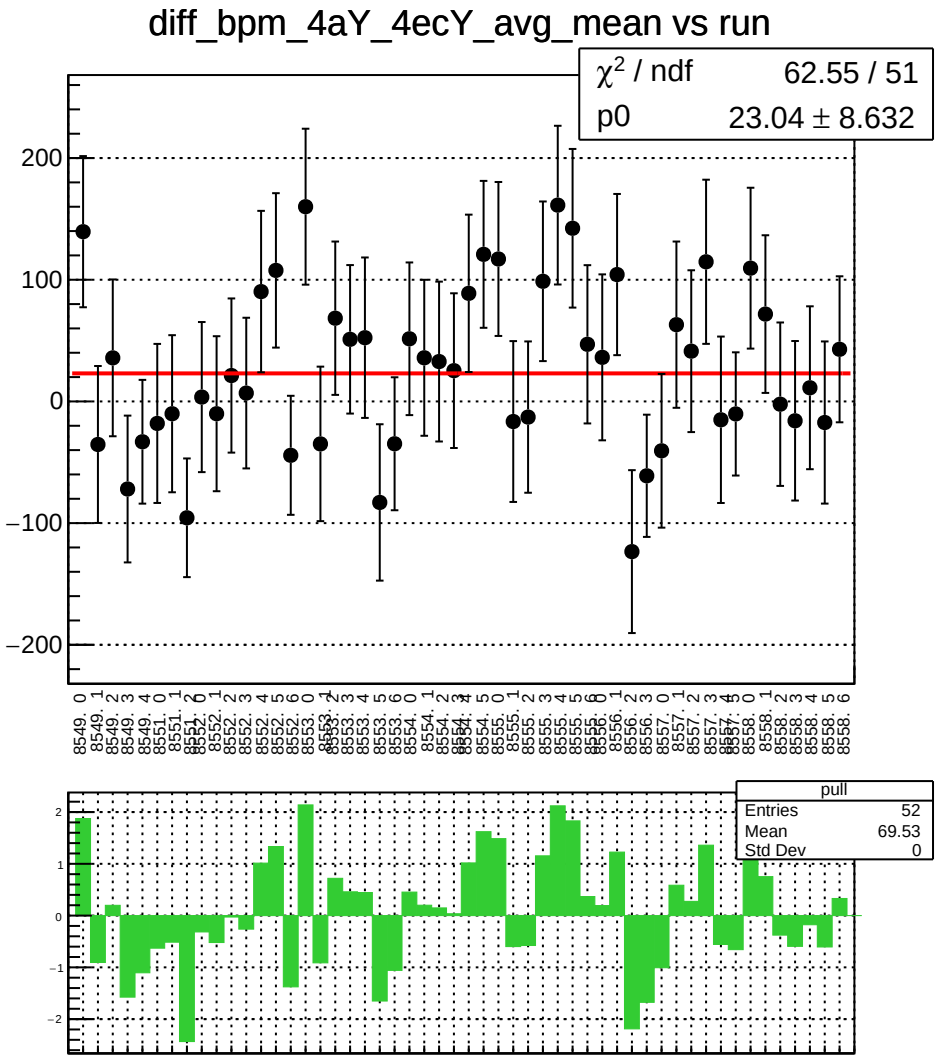
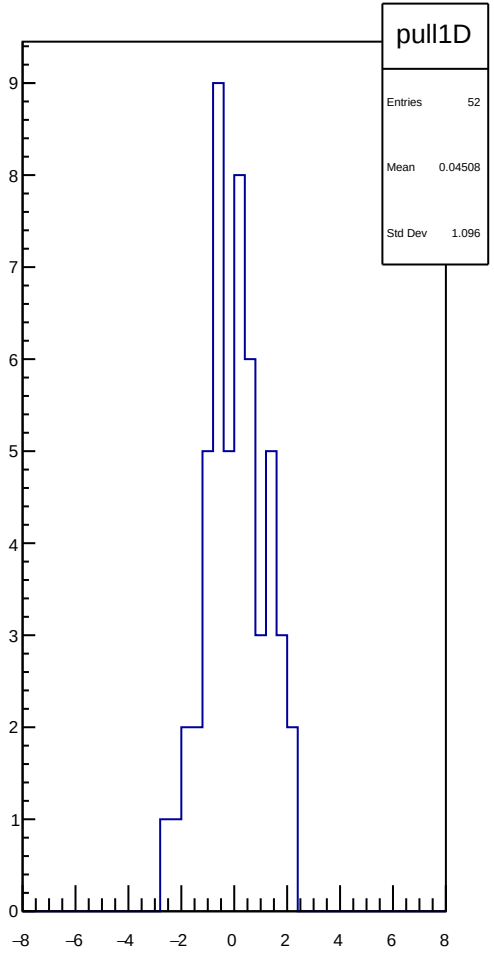
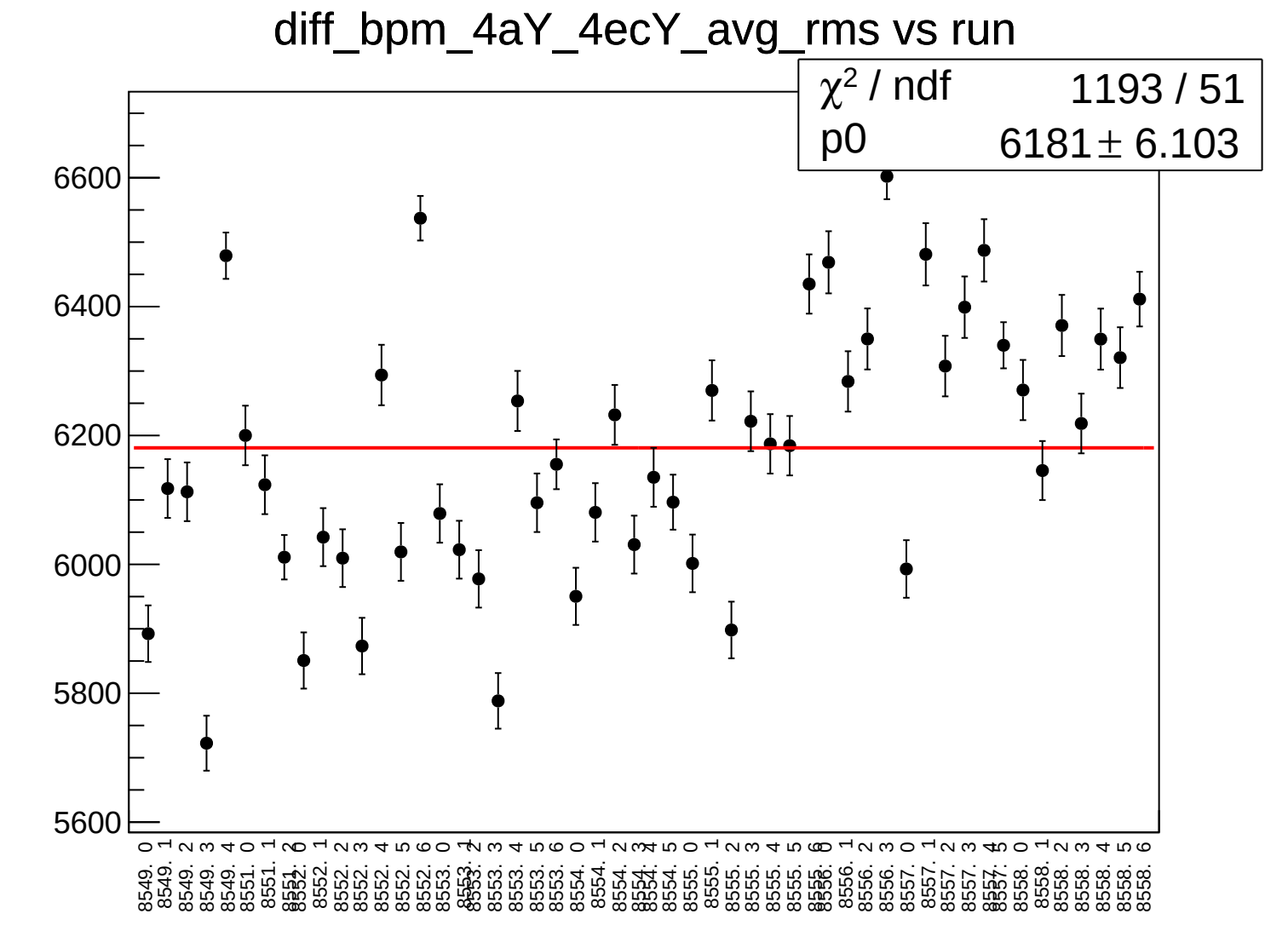
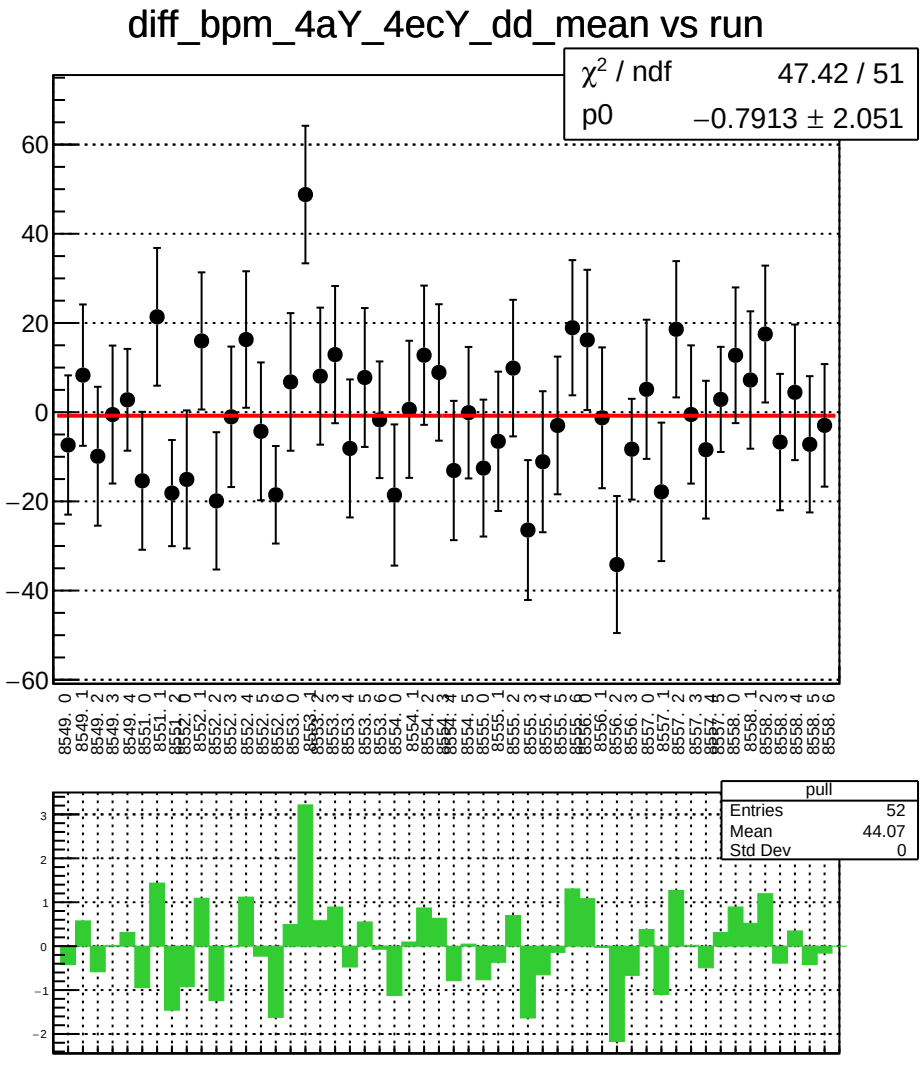
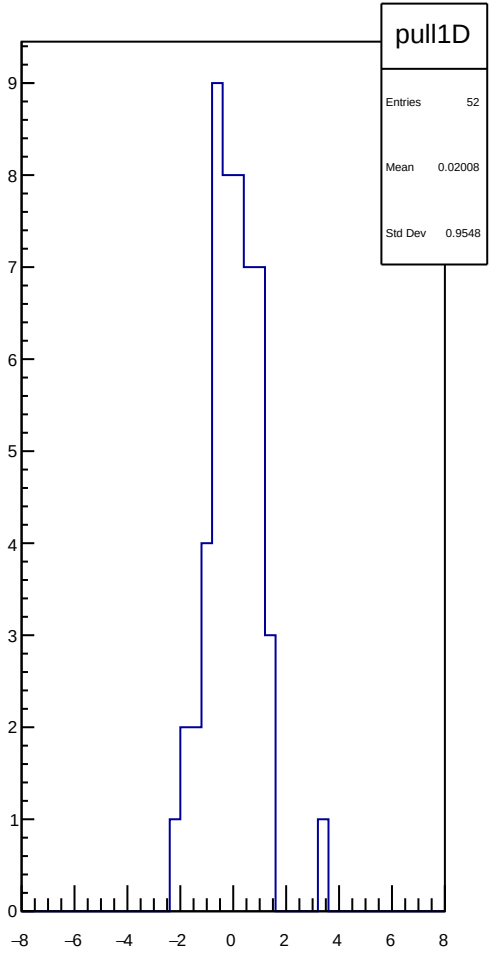
8558. 5
8558. 6

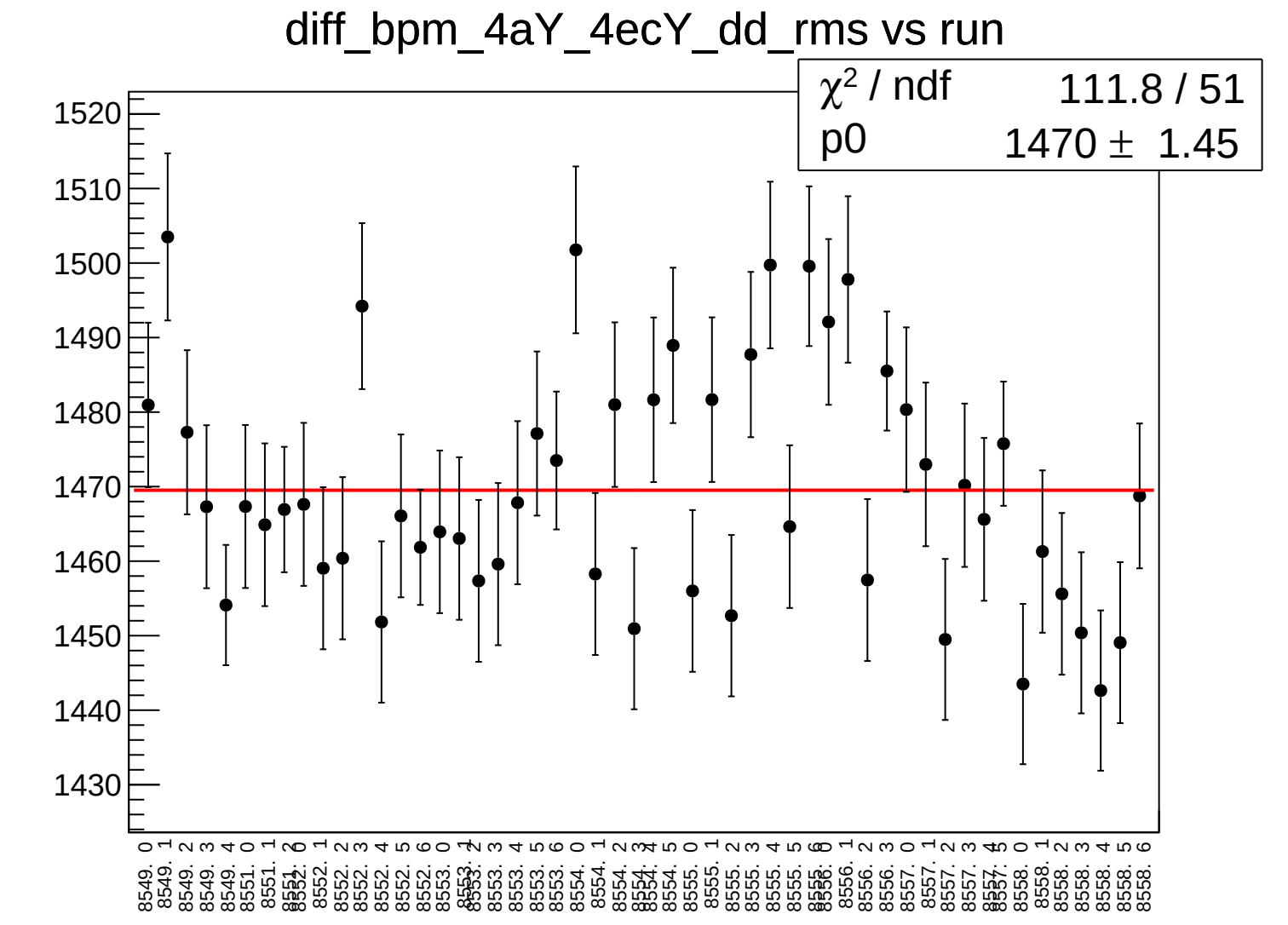

diff_bpm_4aY_4ecY_avg_mean vs run
χ² / ndf 62.55 / 51
p0 23.04 ± 8.632
200
100
0
−100
−200
pull
Entries 52
Mean 69.53
Std Dev 0
2
1
0
−1
−2

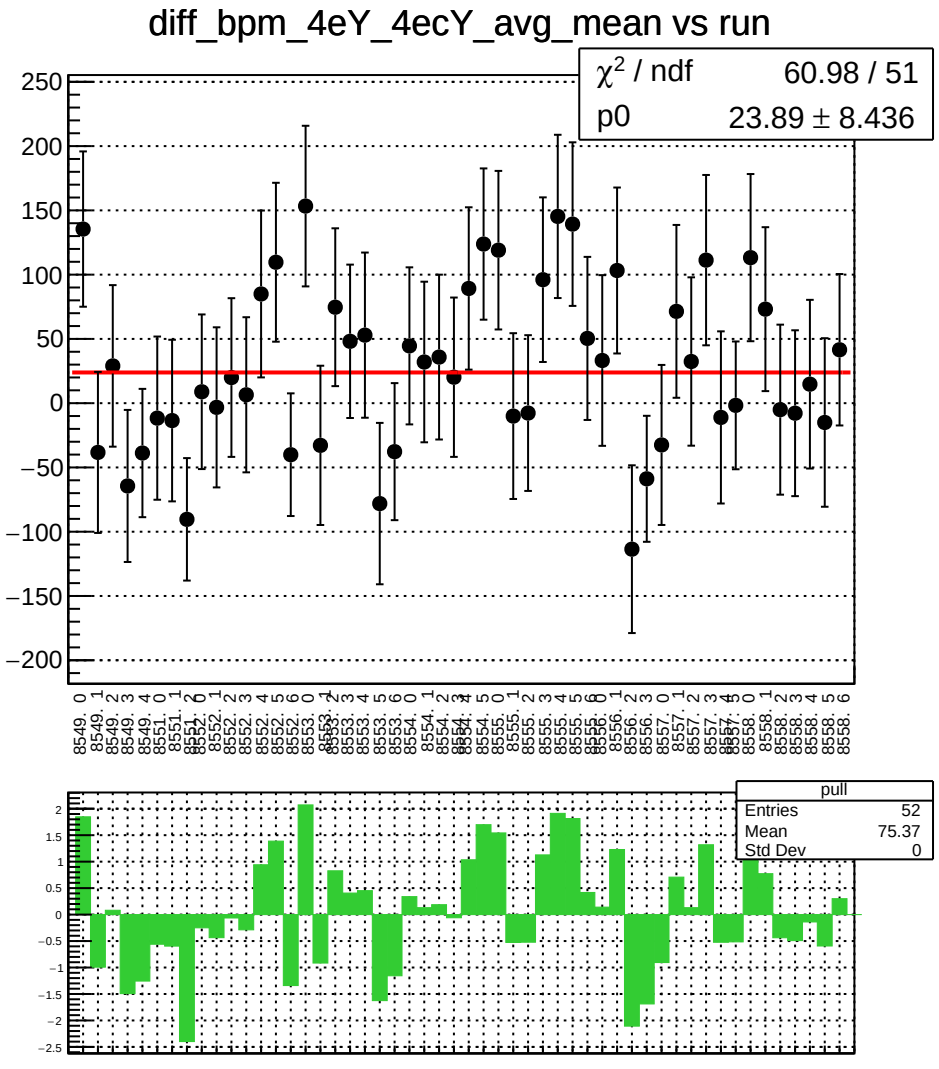

pull1D
Entries 52
Mean 0.04508
Std Dev 1.096
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

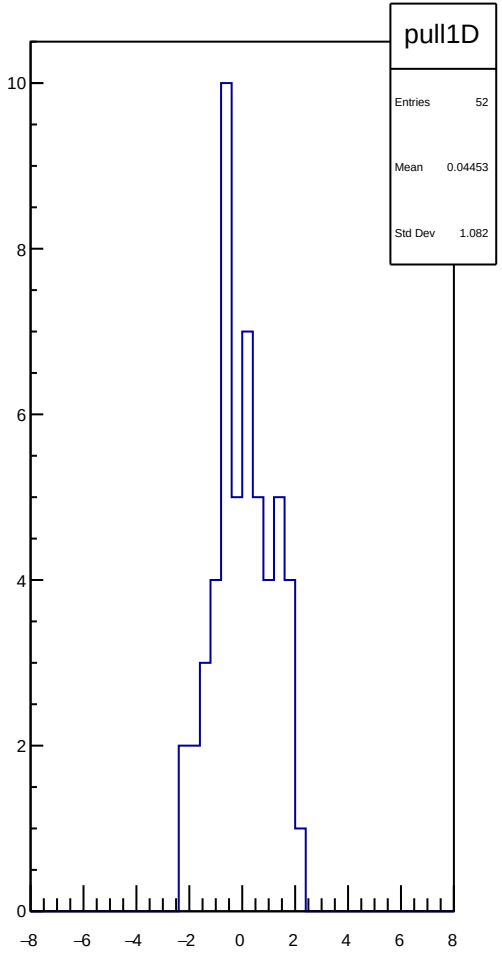

diff_bpm_4aY_4ecY_avg_rms vs run
χ² / ndf 1193 / 51
p0 6181 ± 6.103
6600
6400
6200
6000
5800
5600
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 5
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

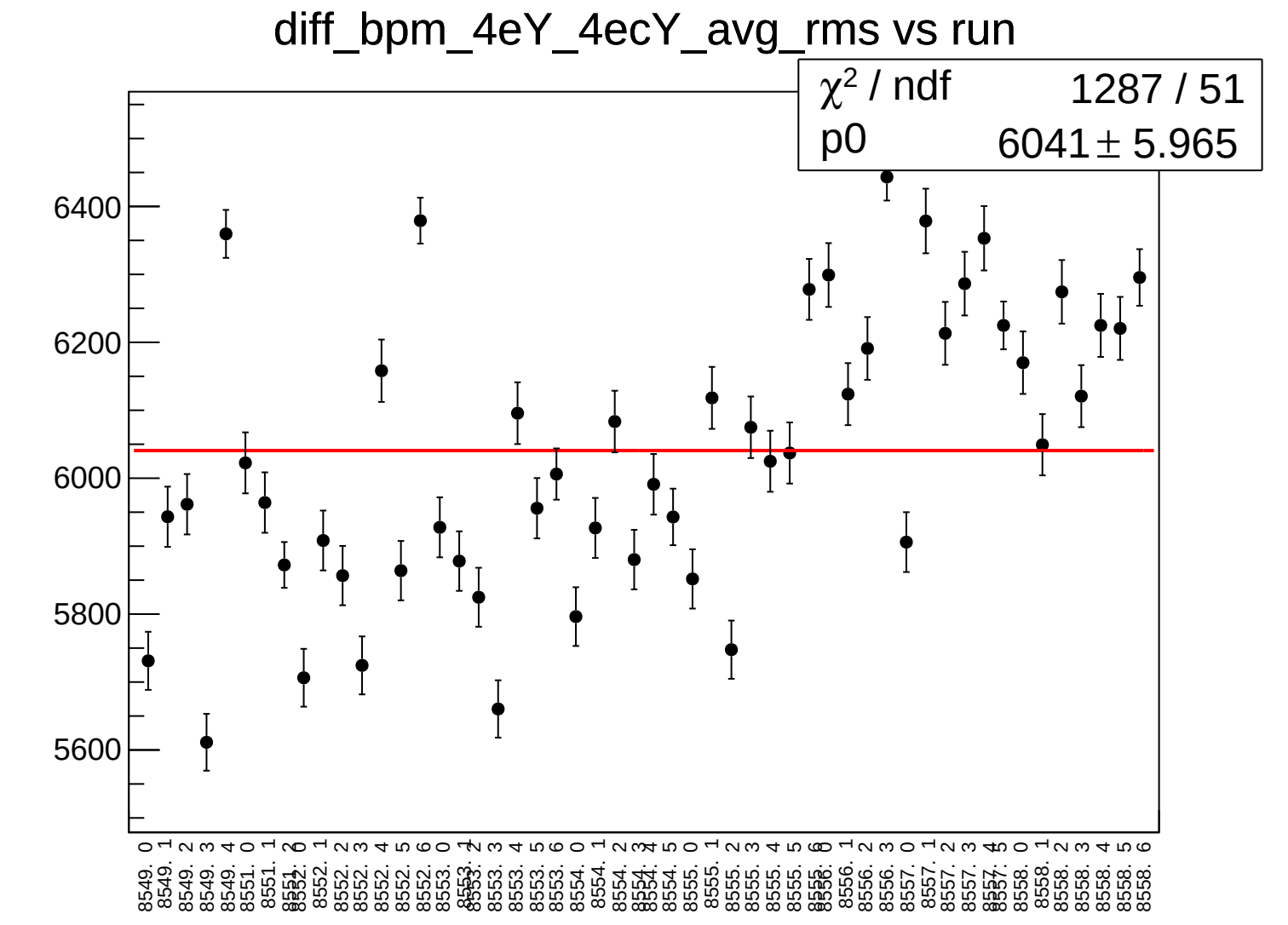

diff_bpm_4aY_4ecY_dd_mean vs run
χ² / ndf 47.42 / 51
p0 −0.7913 ± 2.051
pull
Entries 52
Mean 44.07
Std Dev 0

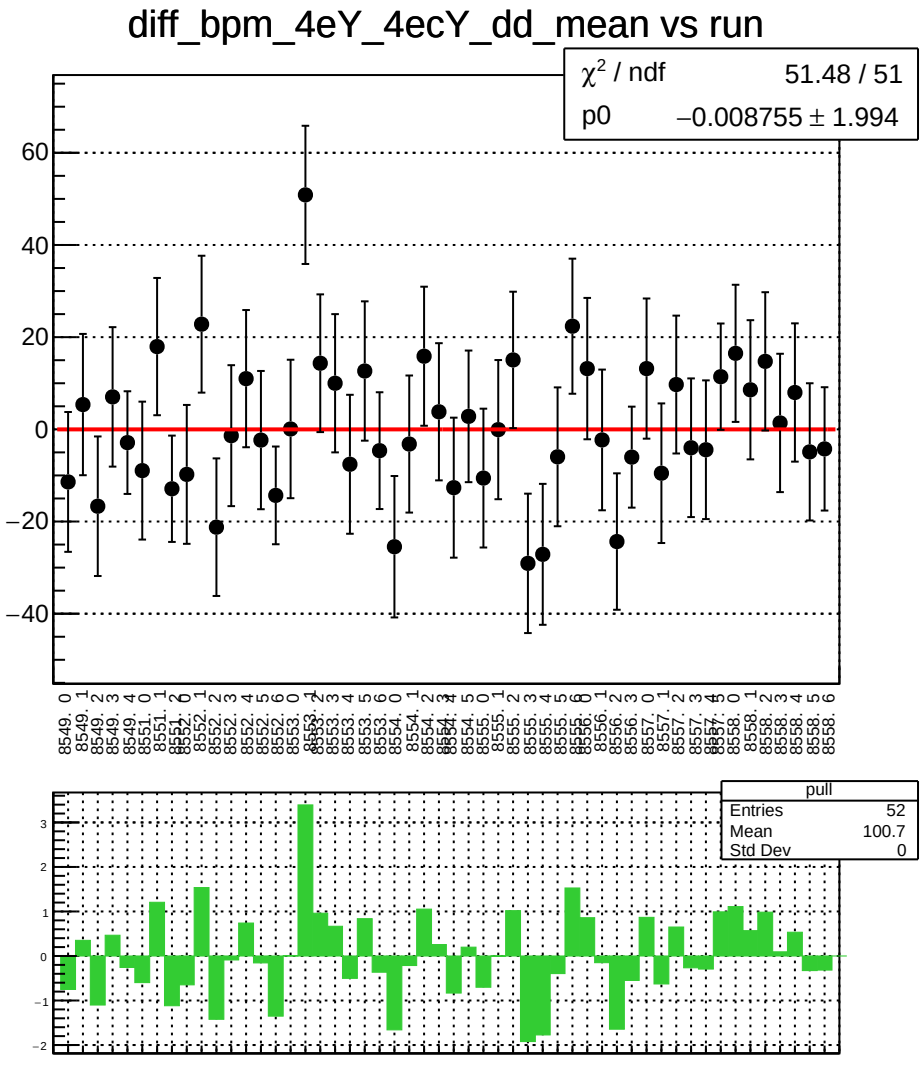

pull1D
Entries 52
Mean 0.02008
Std Dev 0.9548

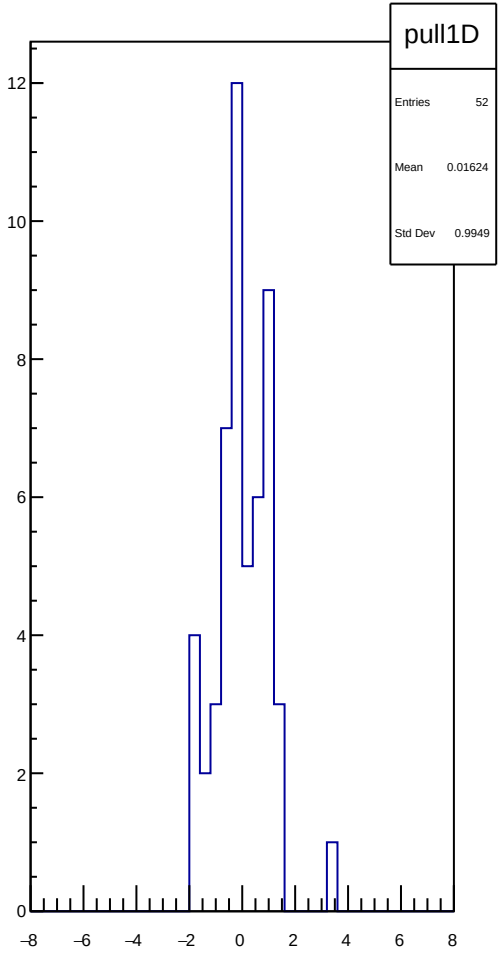

diff_bpm_4aY_4ecY_dd_rms vs run
χ² / ndf 111.8 / 51
p0 1470 ± 1.45
1520
1510
1500
1490
1480
1470
1460
1450
1440
1430
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 5
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

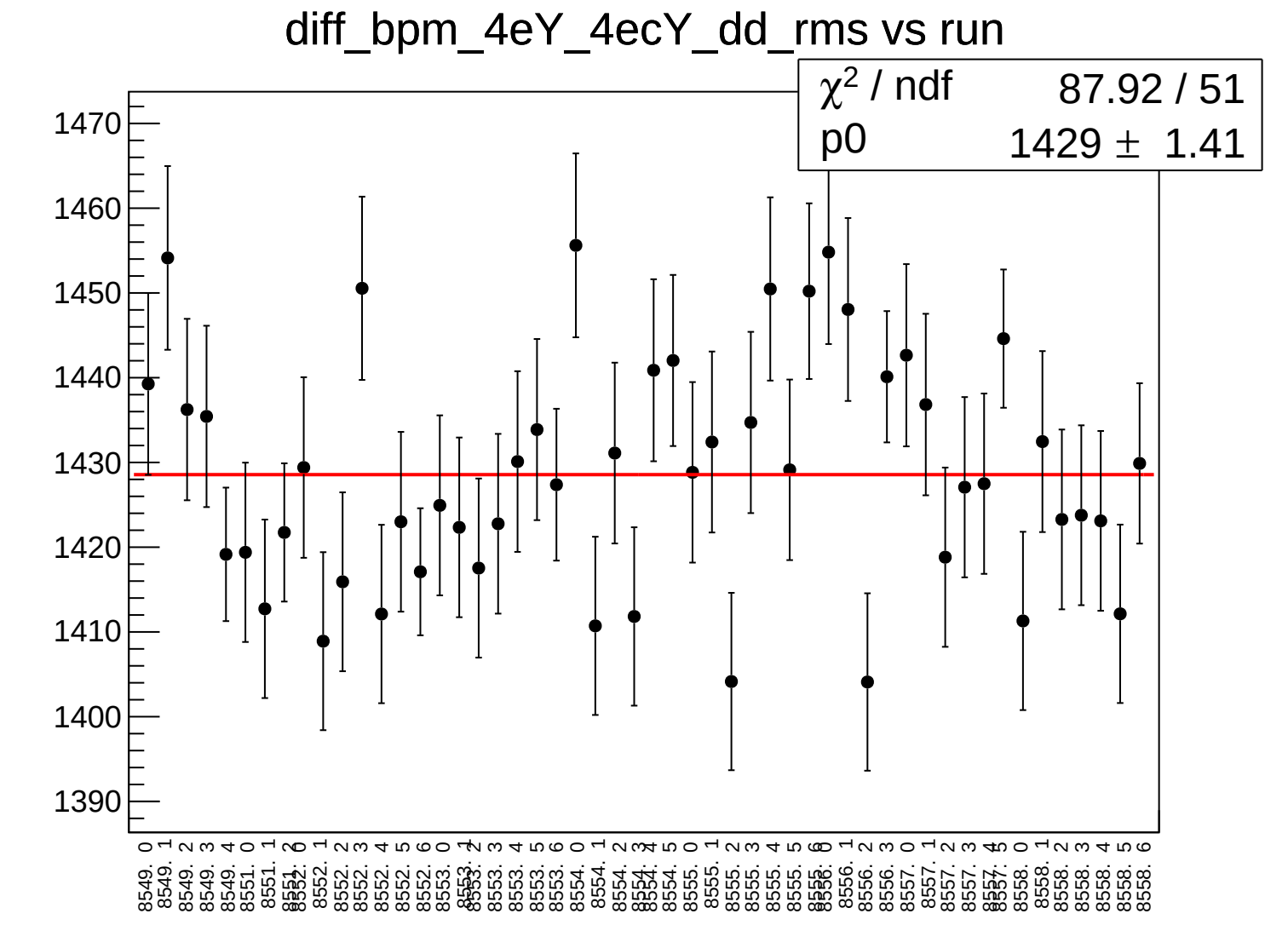

diff_bpm_4eY_4ecY_avg_mean vs run
χ^2 / ndf 60.98 / 51
p0 23.89 ± 8.436
pull
Entries 52
Mean 75.37
Std Dev 0

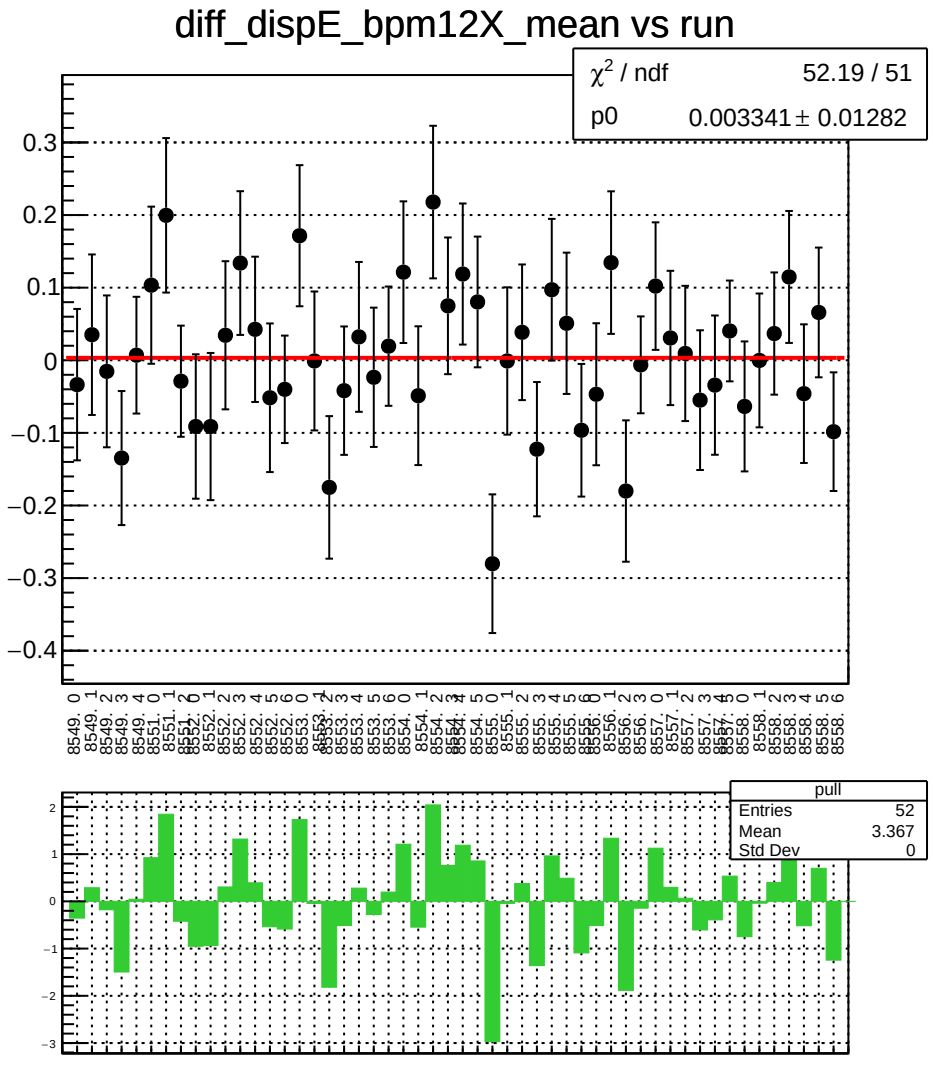

pull1D
Entries 52
Mean 0.04453
Std Dev 1.082

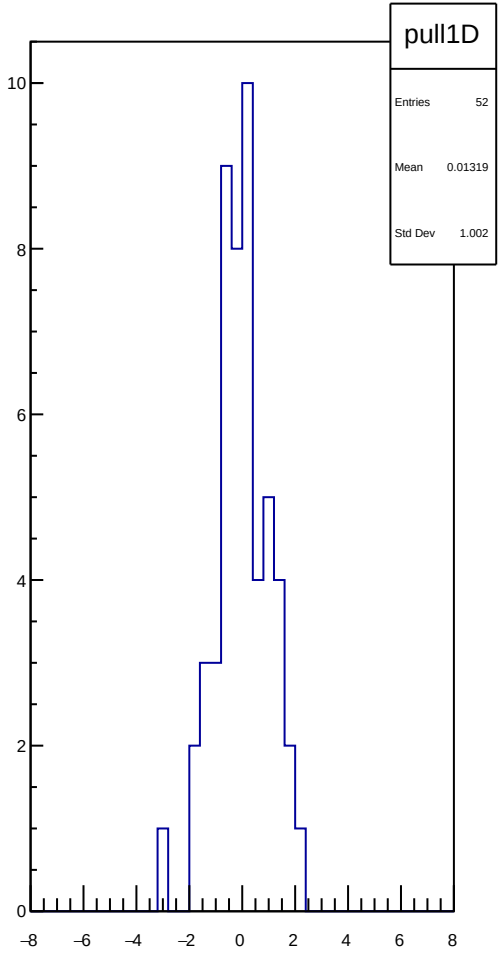

diff_bpm_4eY_4ecY_avg_rms vs run
χ² / ndf 1287 / 51
p0 6041 ± 5.965
6400
6200
6000
5800
5600
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 5
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

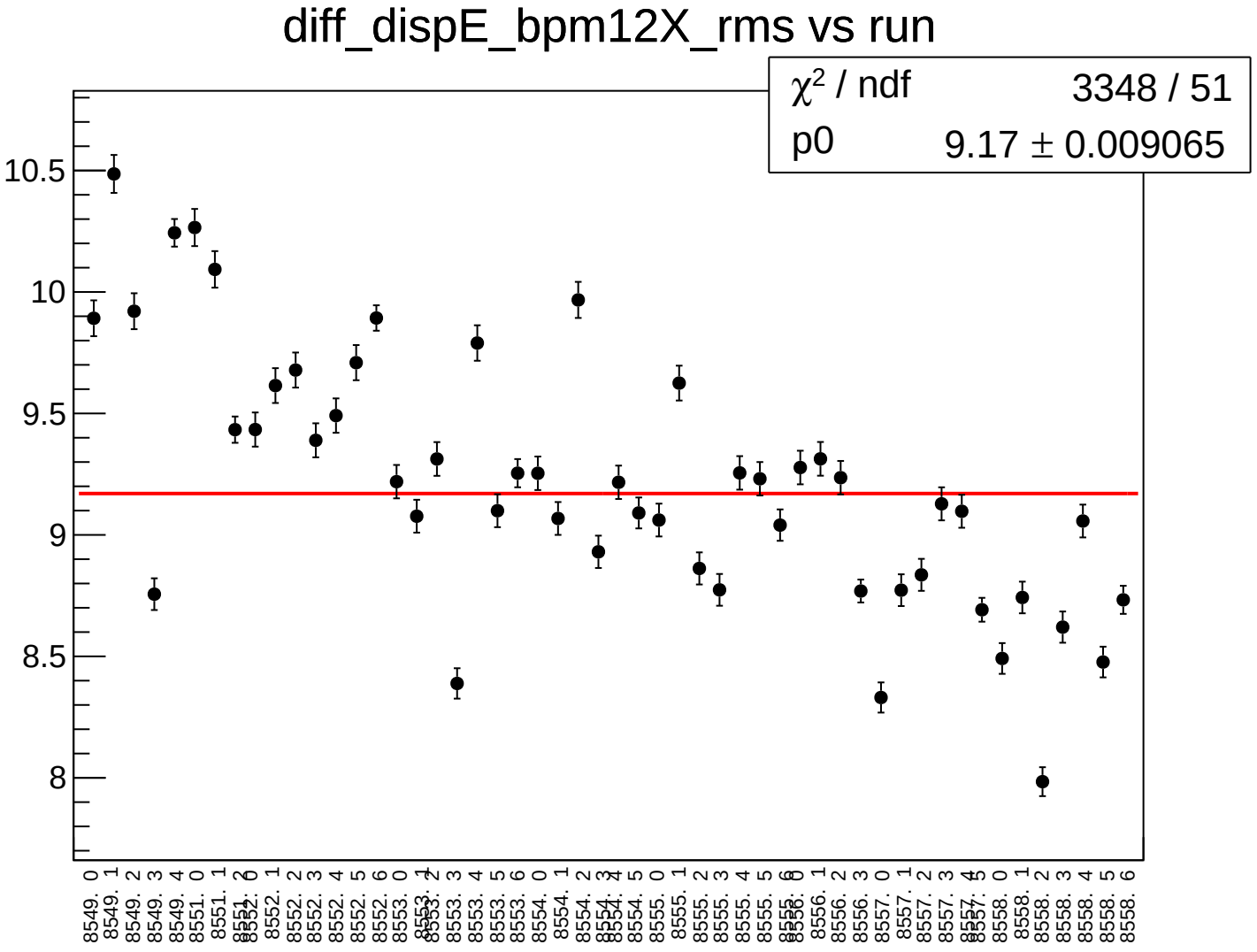

diff_bpm_4eY_4ecY_dd_mean vs run
χ² / ndf 51.48 / 51
p0 −0.008755 ± 1.994
pull
Entries 52
Mean 100.7
Std Dev 0

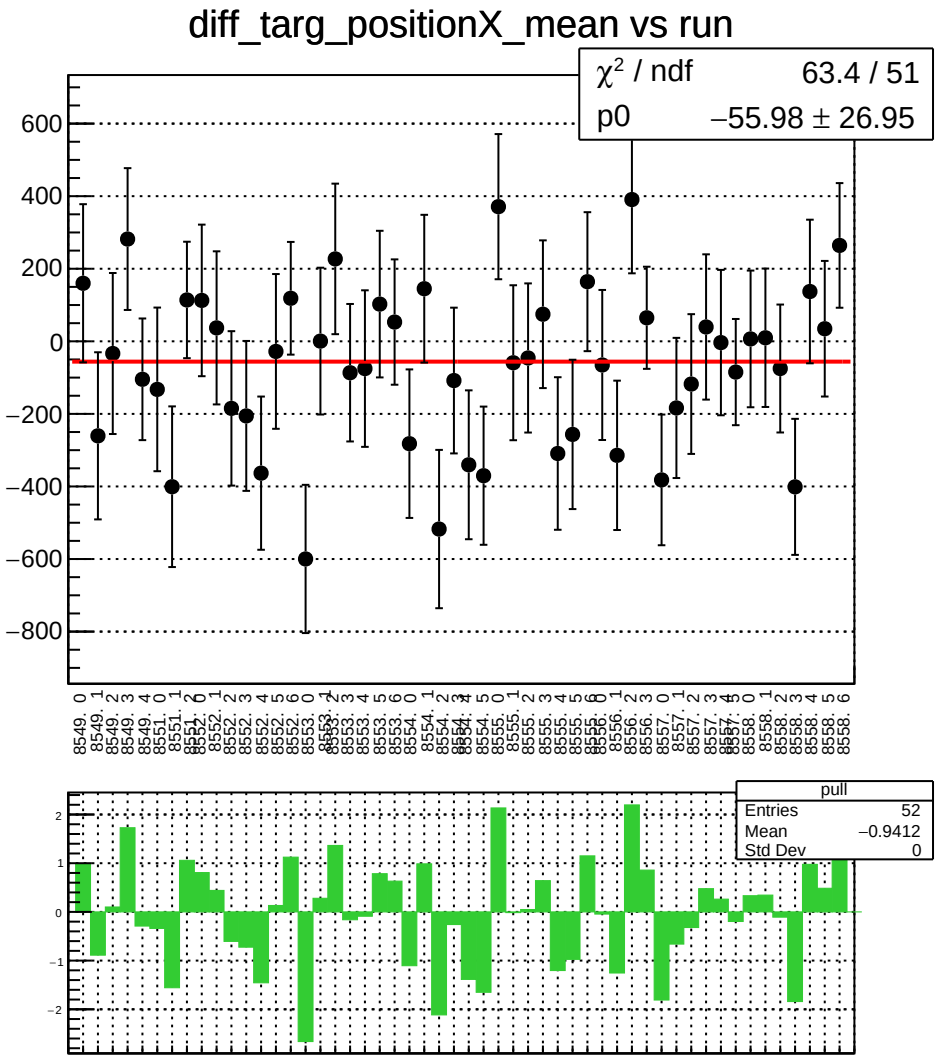

pull1D
Entries 52
Mean 0.01624
Std Dev 0.9949

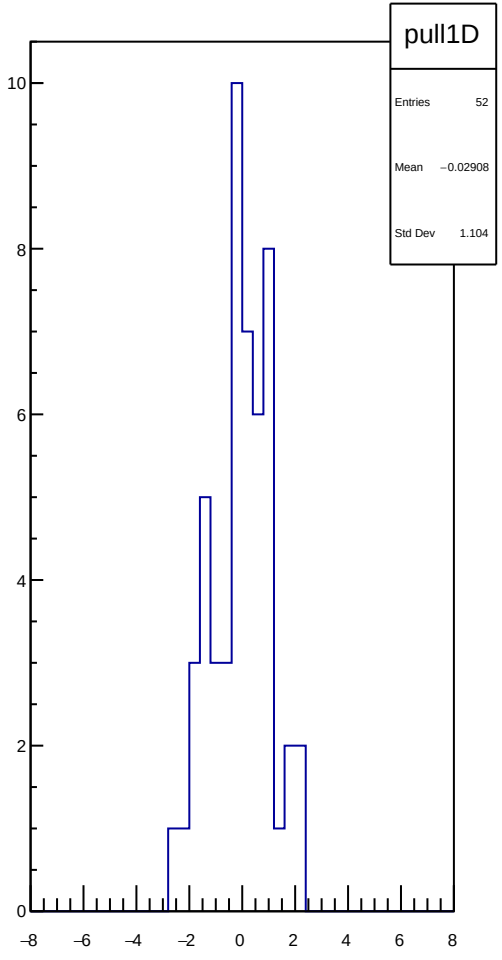

diff_bpm_4eY_4ecY_dd_rms vs run
χ² / ndf 87.92 / 51
p0 1429 ± 1.41
1470
1460
1450
1440
1430
1420
1410
1400
1390
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 5
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

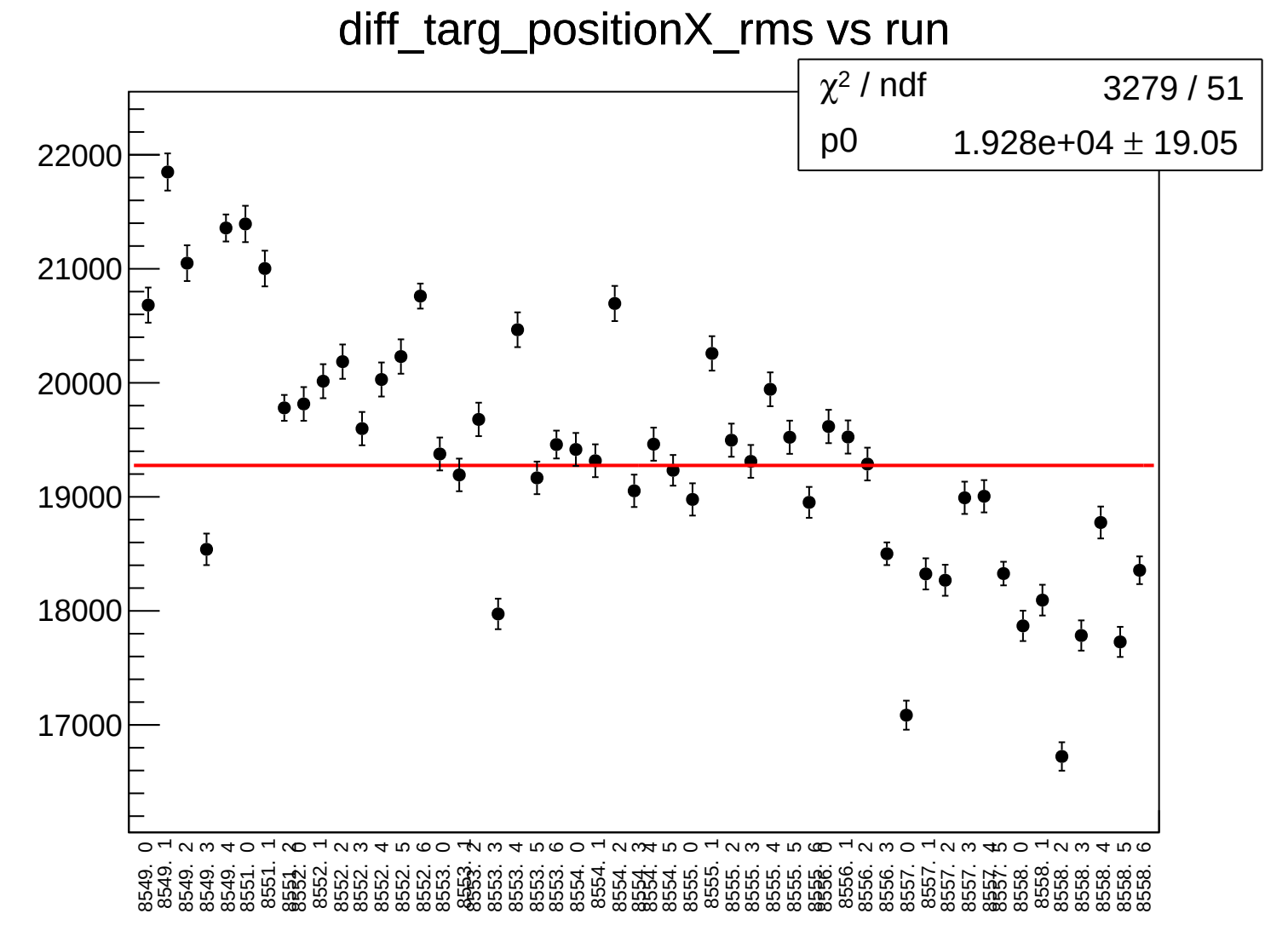

diff_dispE_bpm12X_mean vs run
χ² / ndf 52.19 / 51
p0 0.003341 ± 0.01282
pull
Entries 52
Mean 3.367
Std Dev 0

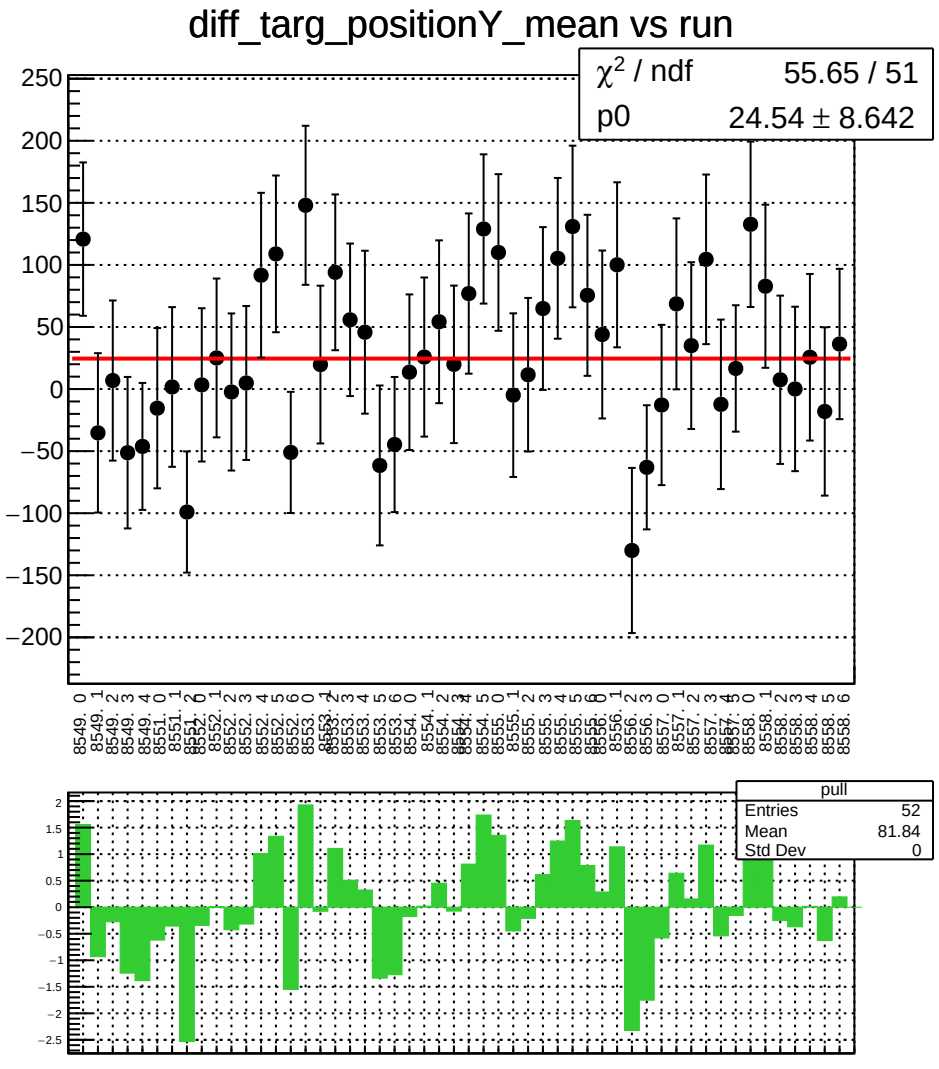

pull1D
Entries 52
Mean 0.01319
Std Dev 1.002

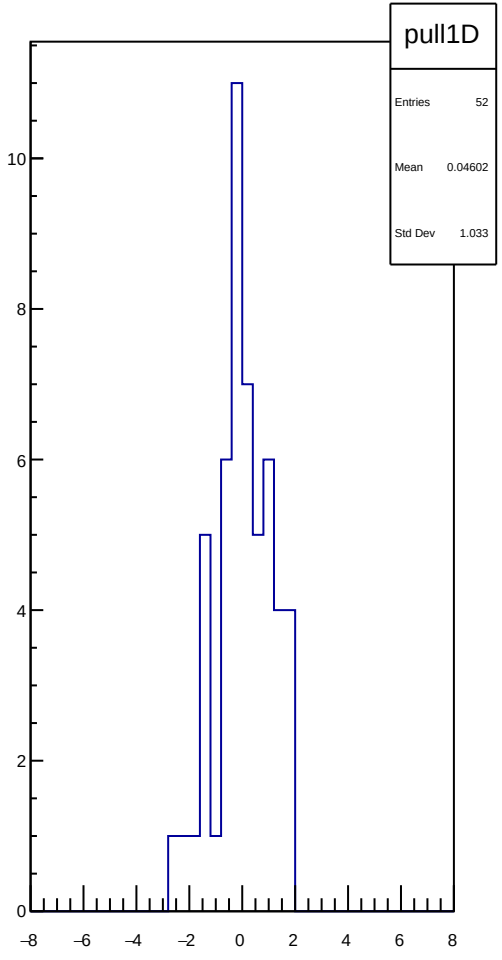

diff_dispE_bpm12X_rms vs run
χ² / ndf 3348 / 51
p0 9.17 ± 0.009065
10.5
10
9.5
9
8.5
8

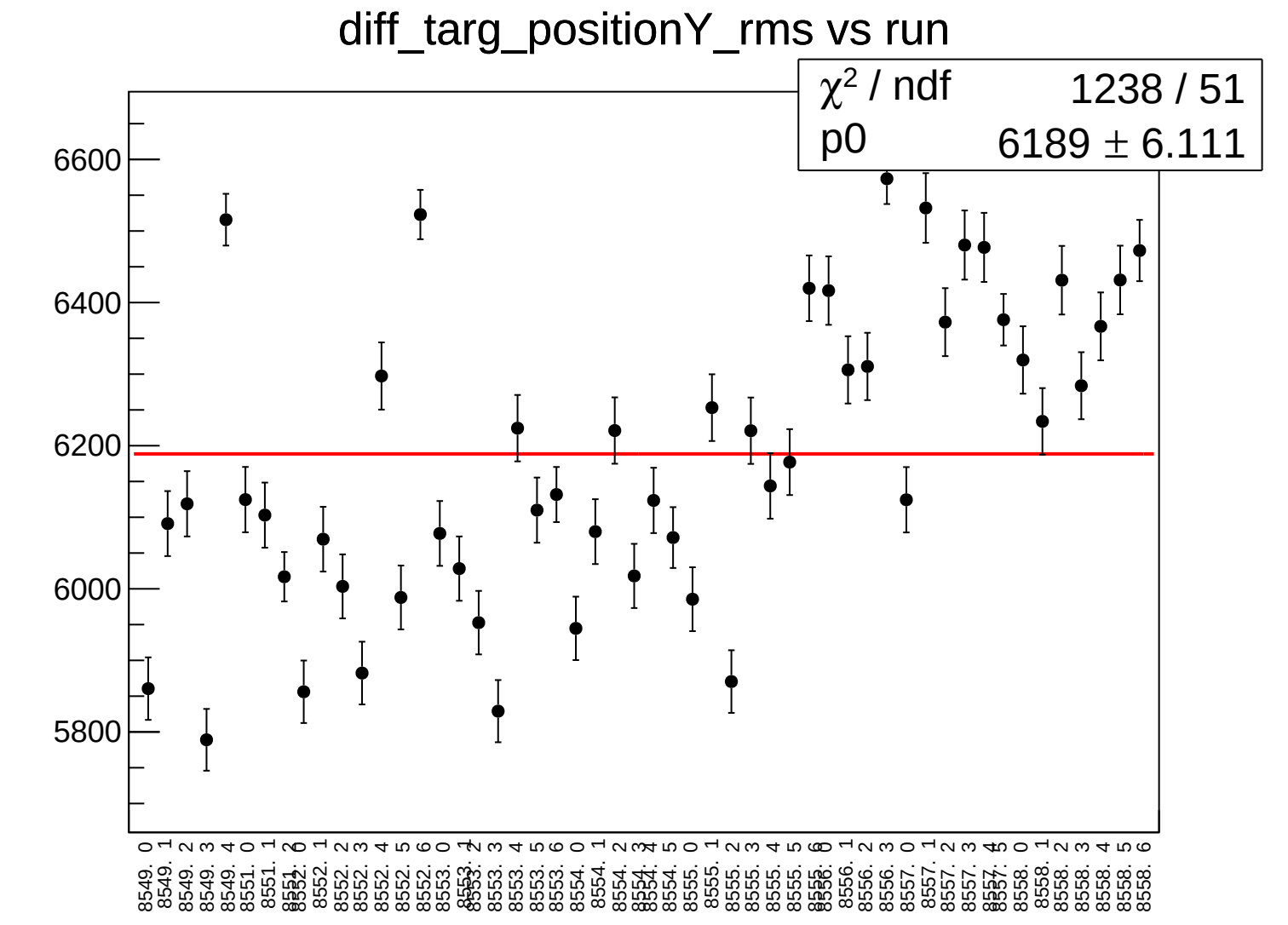

diff_targ_positionX_mean vs run
χ² / ndf 63.4 / 51
p0 −55.98 ± 26.95
pull
Entries 52
Mean −0.9412
Std Dev 0


pull1D
Entries 52
Mean −0.02908
Std Dev 1.104


diff_targ_positionX_rms vs run
χ² / ndf 3279 / 51
p0 1.928e+04 ± 19.05
22000
21000
20000
19000
18000
17000
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6


diff_targ_positionY_mean vs run
χ^2 / ndf 55.65 / 51
p0 24.54 ± 8.642
pull
Entries 52
Mean 81.84
Std Dev 0


pull1D
Entries 52
Mean 0.04602
Std Dev 1.033


diff_targ_positionY_rms vs run
χ² / ndf 1238 / 51
p0 6189 ± 6.111
6600
6400
6200
6000
5800
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 5
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
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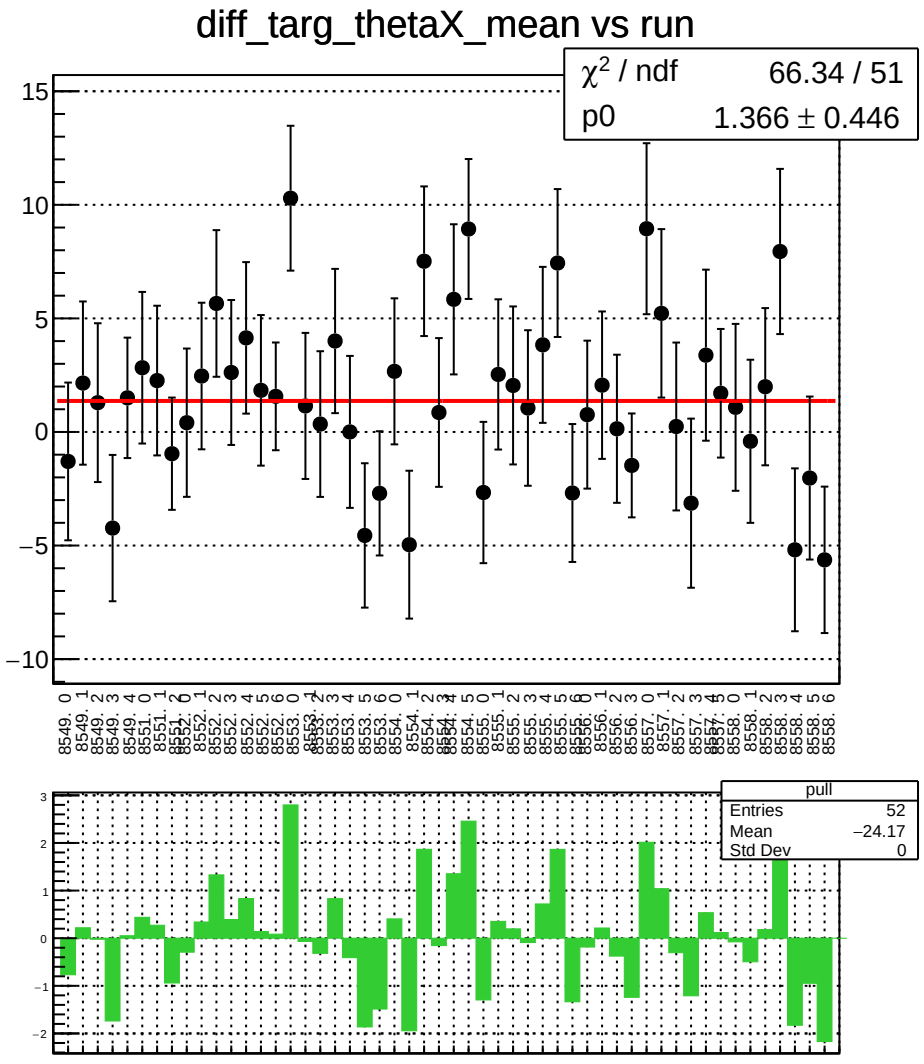
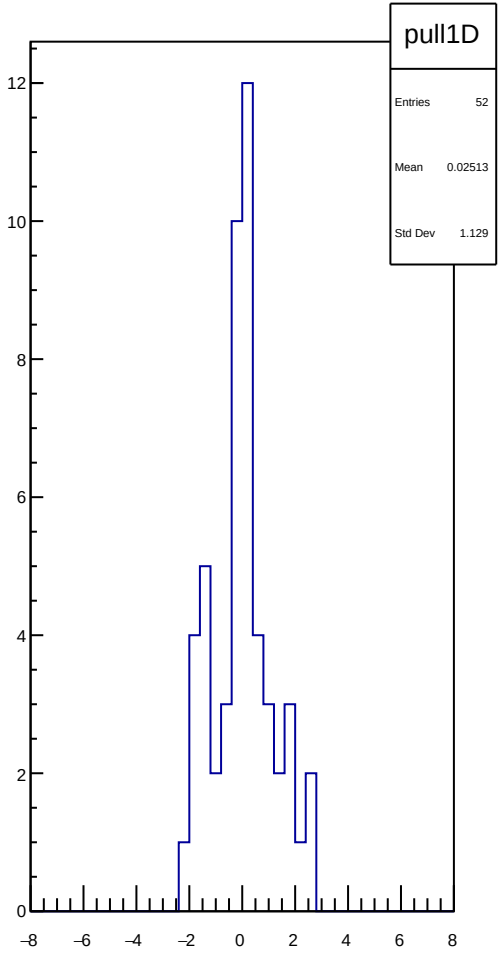
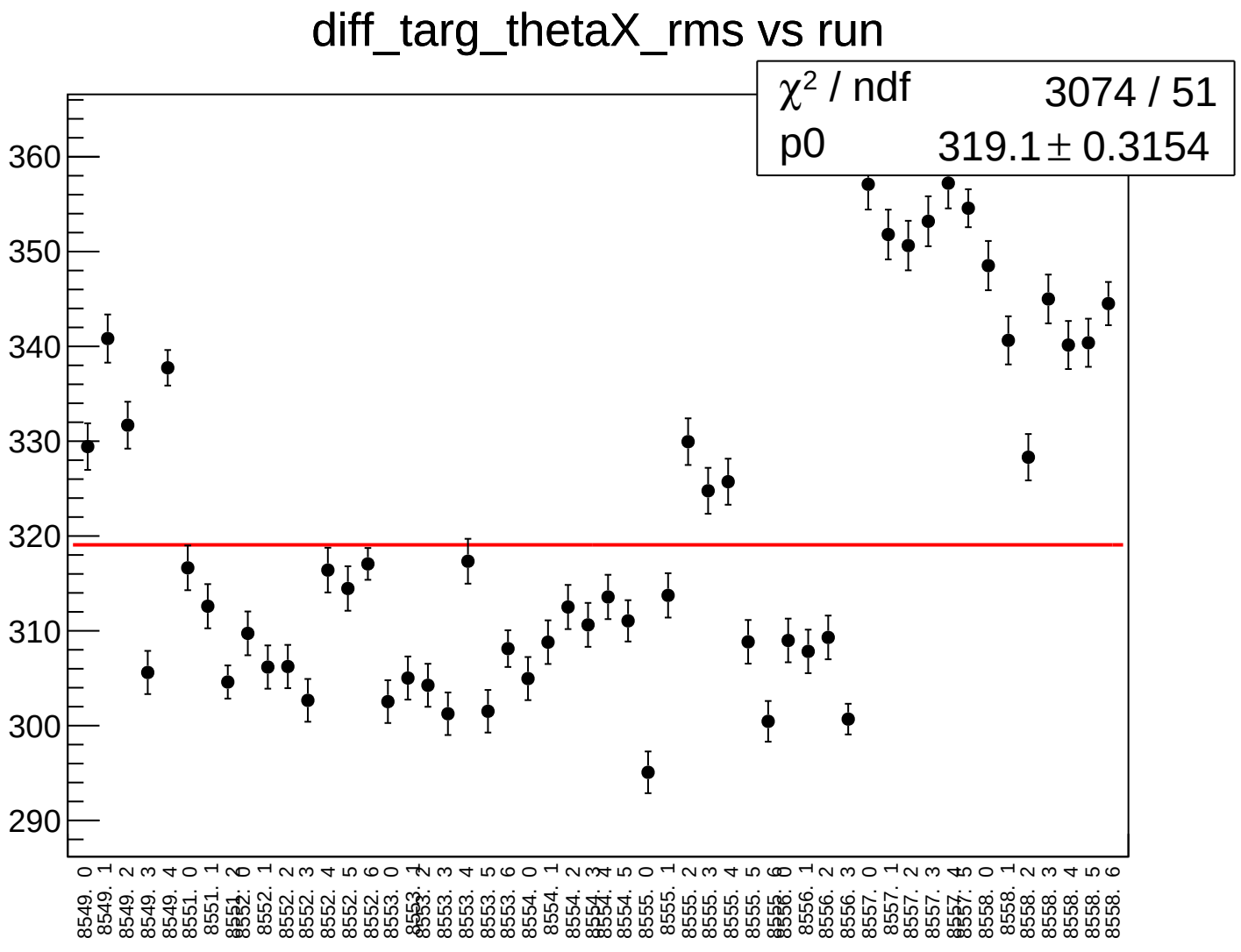
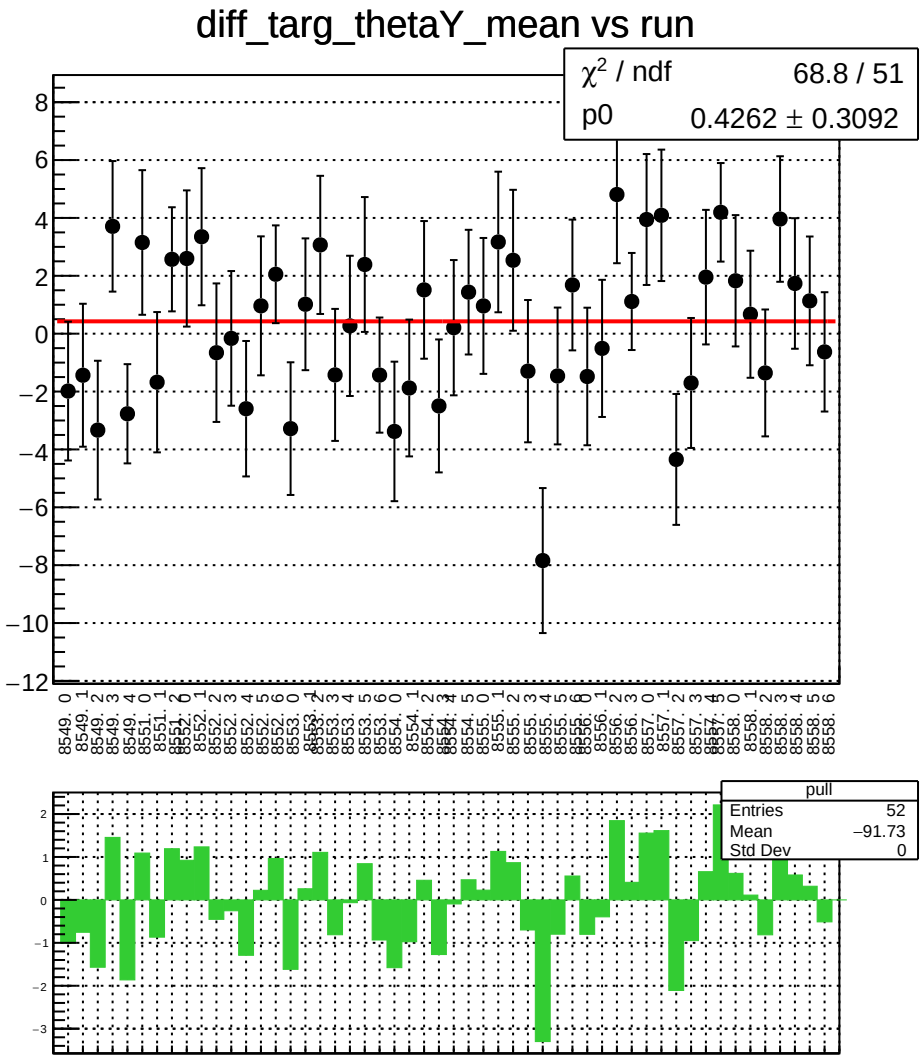
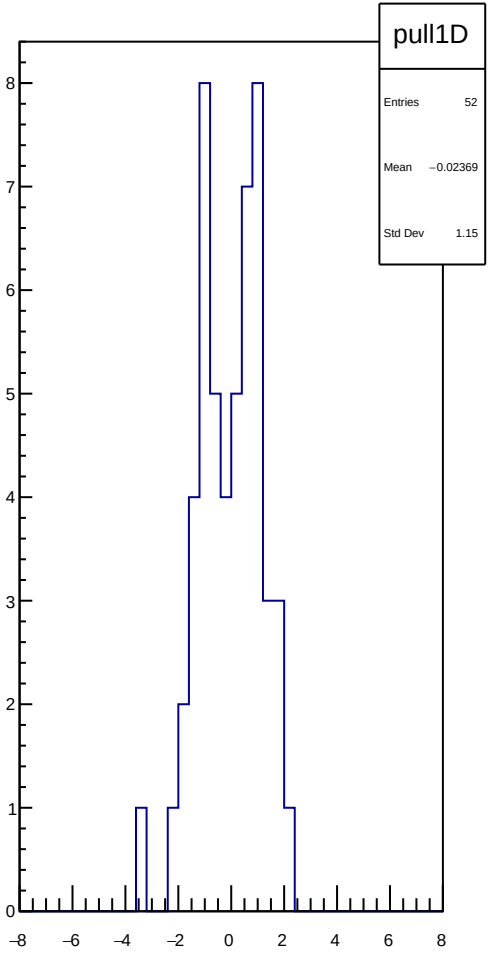
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

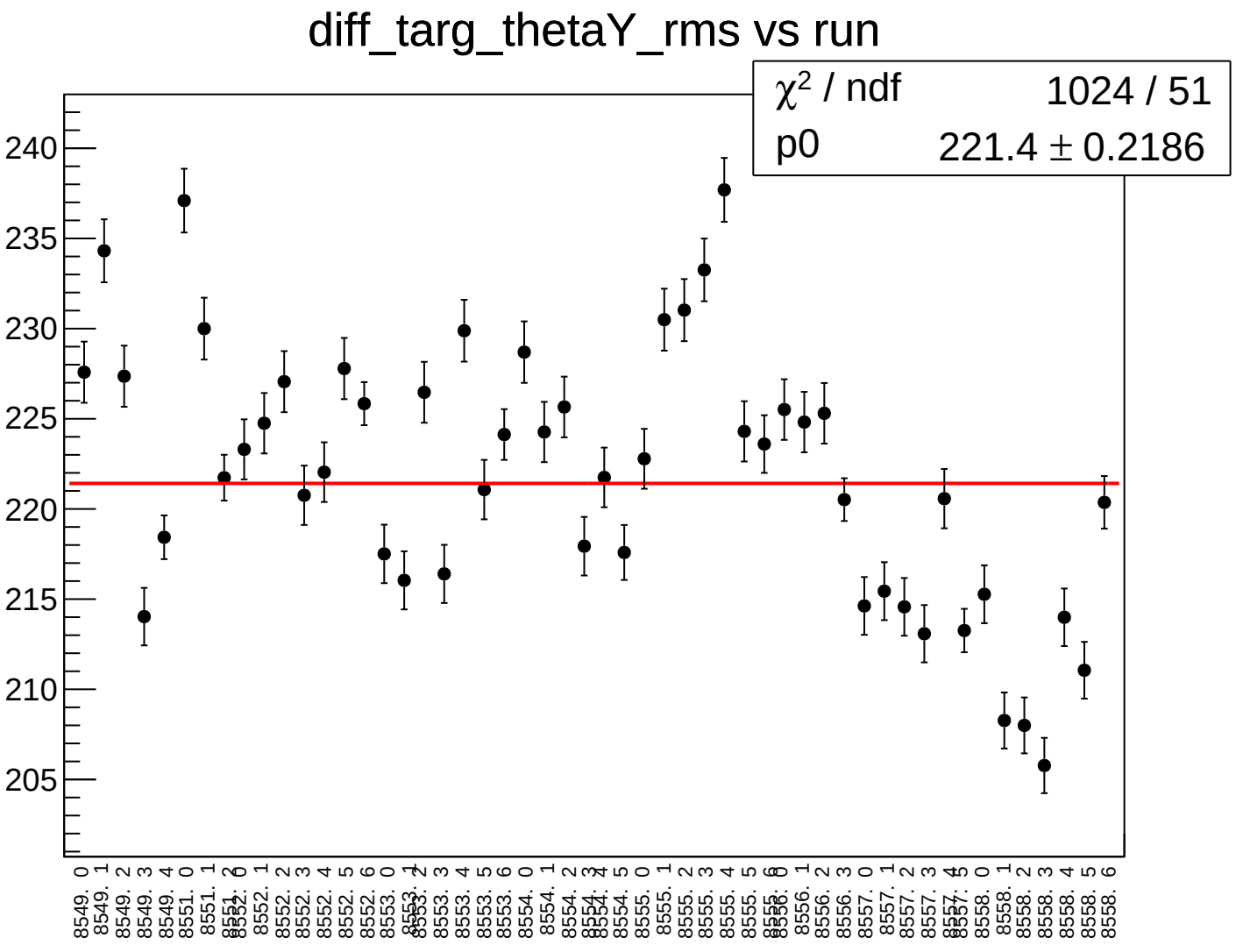

diff_targ_thetaX_mean vs run
χ² / ndf 66.34 / 51
p0 1.366 ± 0.446
pull
Entries 52
Mean −24.17
Std Dev 0

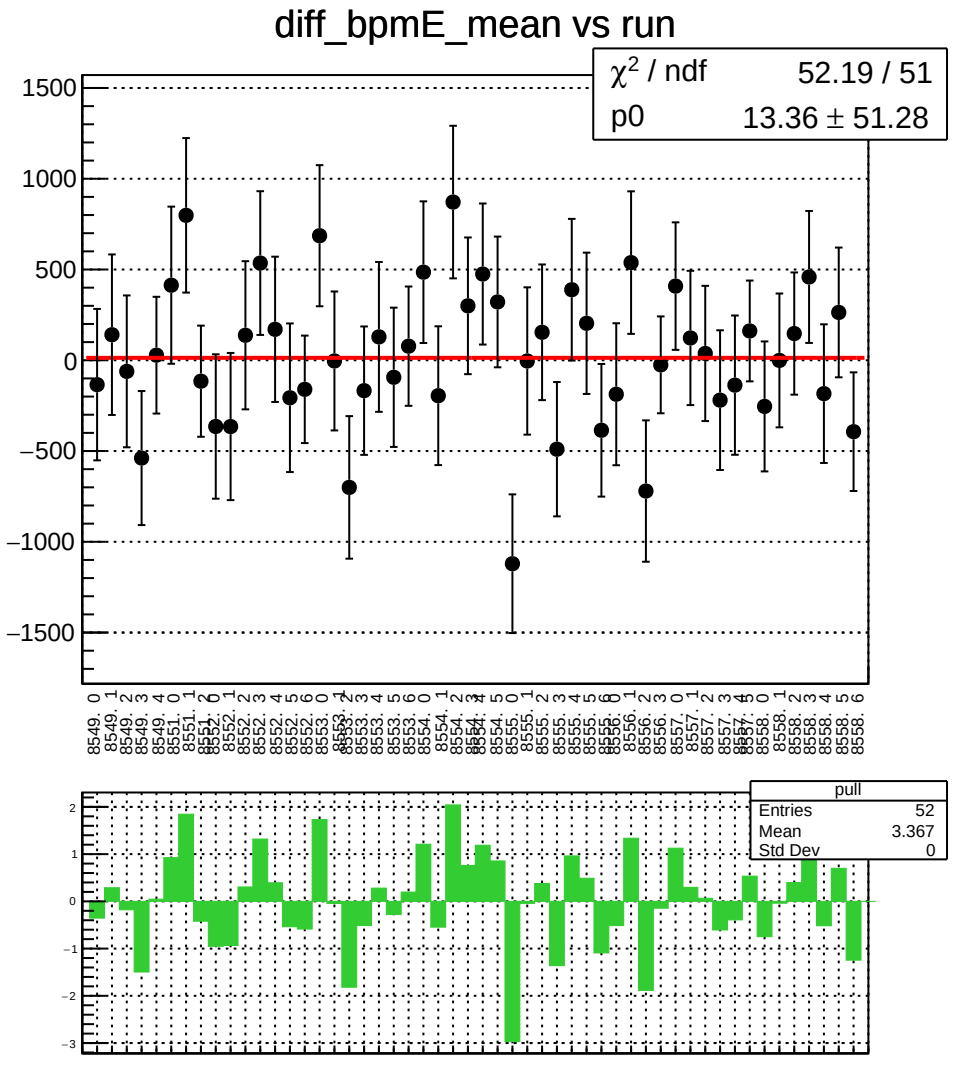

pull1D
Entries 52
Mean 0.02513
Std Dev 1.129

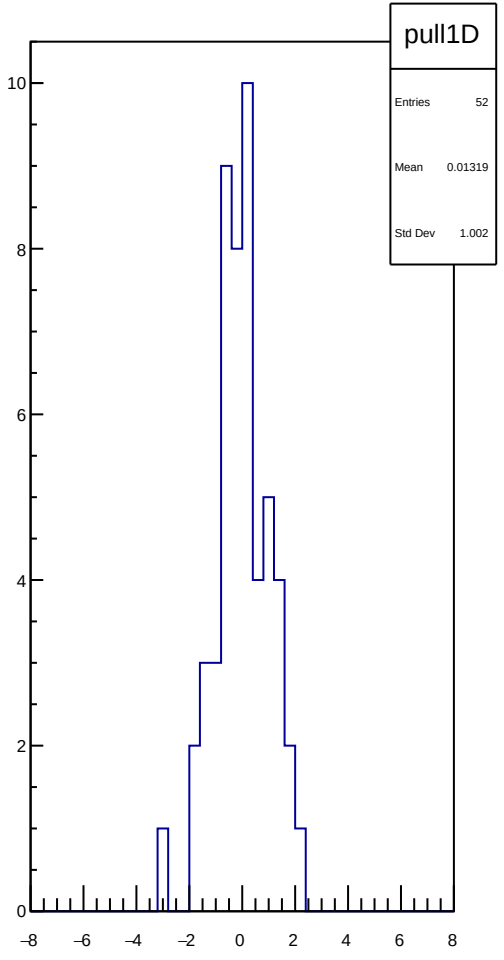

diff_targ_thetaX_rms vs run
χ² / ndf 3074 / 51
p0 319.1 ± 0.3154
360
350
340
330
320
310
300
290
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 5
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

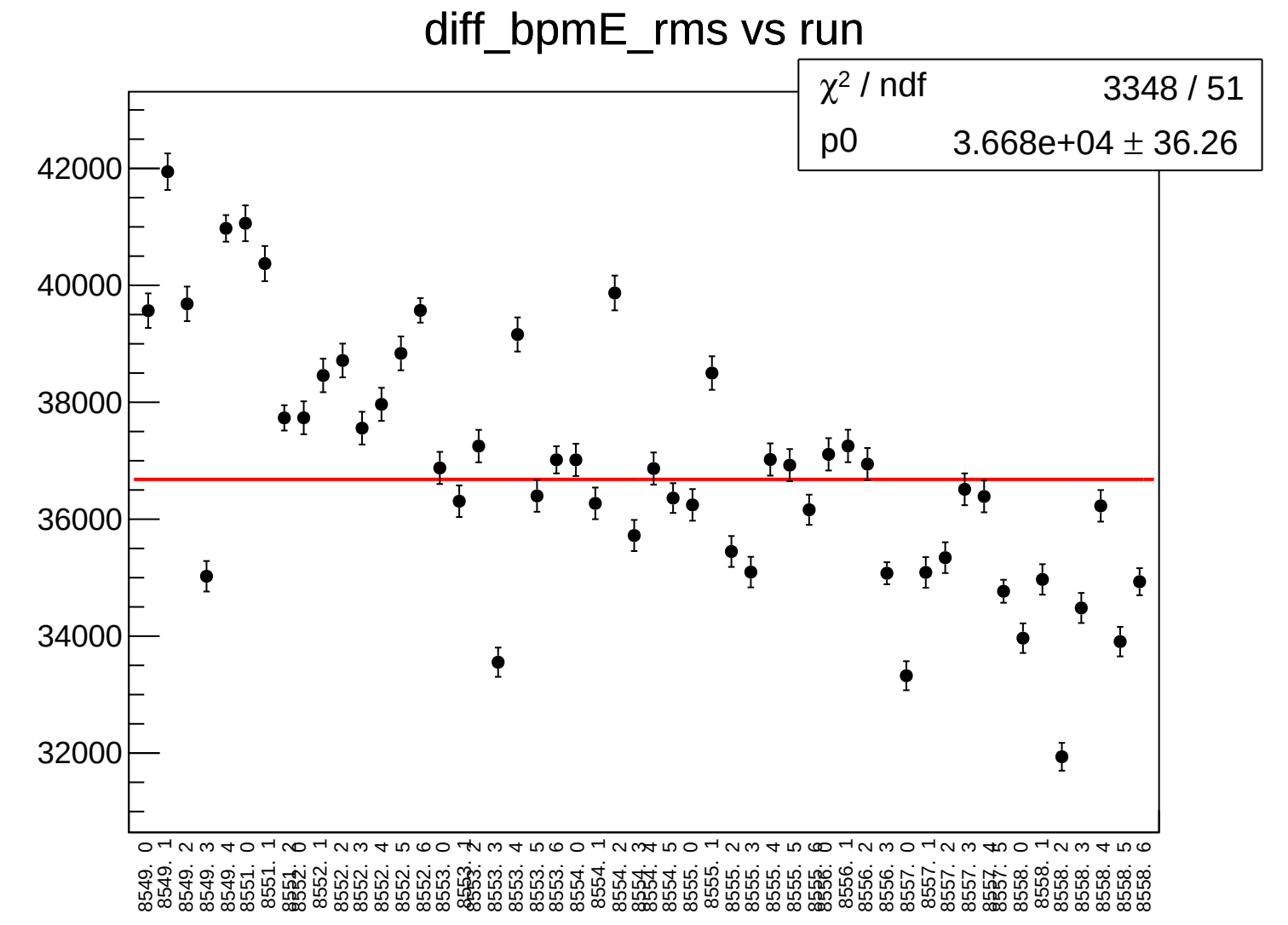

diff_targ_thetaY_mean vs run
χ² / ndf 68.8 / 51
p0 0.4262 ± 0.3092
pull
Entries 52
Mean −91.73
Std Dev 0

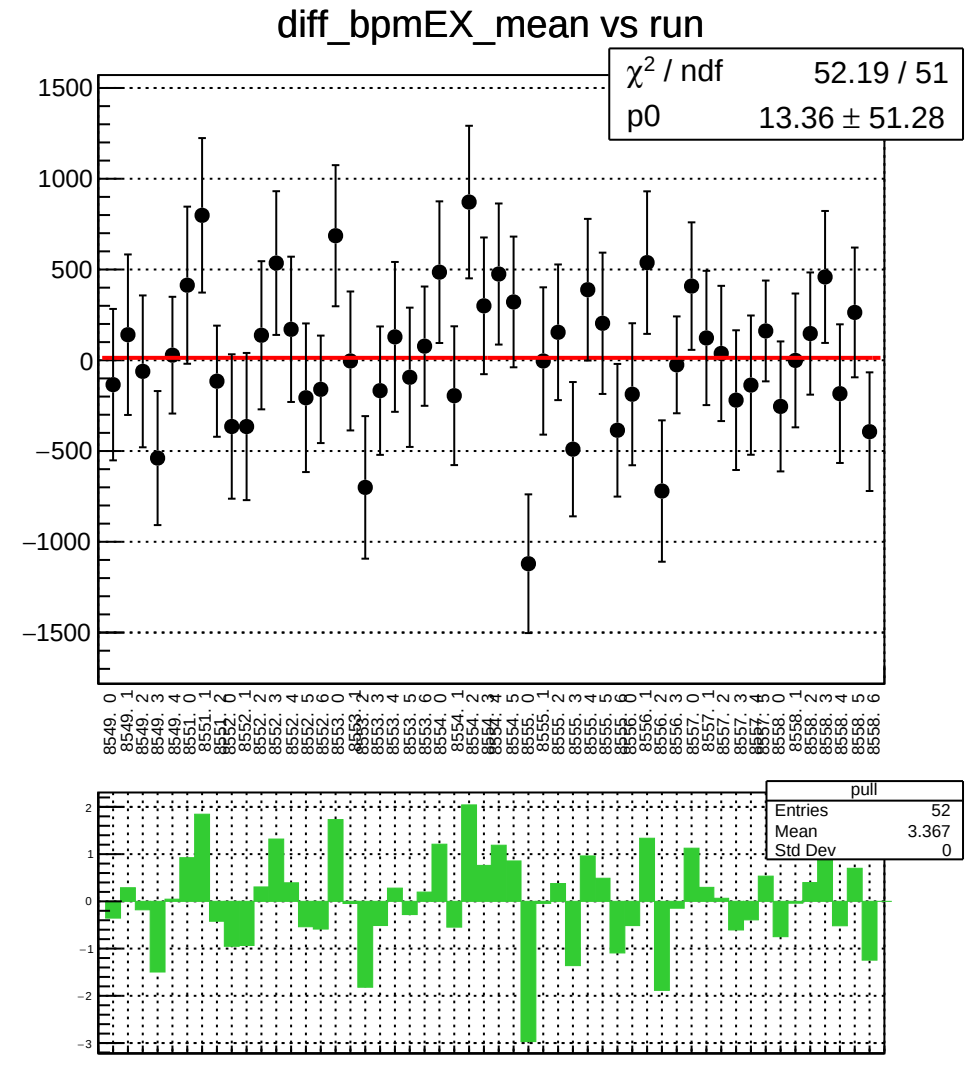

pull1D
Entries 52
Mean −0.02369
Std Dev 1.15

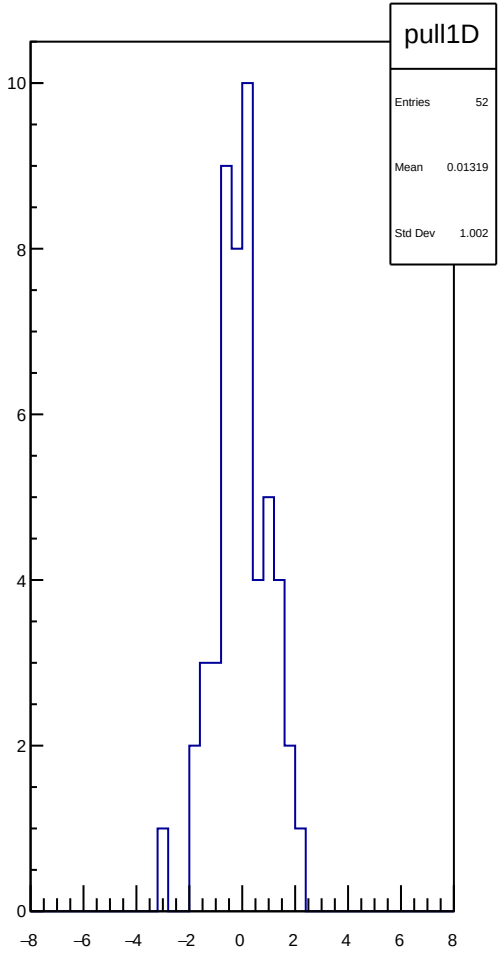

diff_targ_thetaY_rms vs run
χ² / ndf 1024 / 51
p0 221.4 ± 0.2186
240
235
230
225
220
215
210
205
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

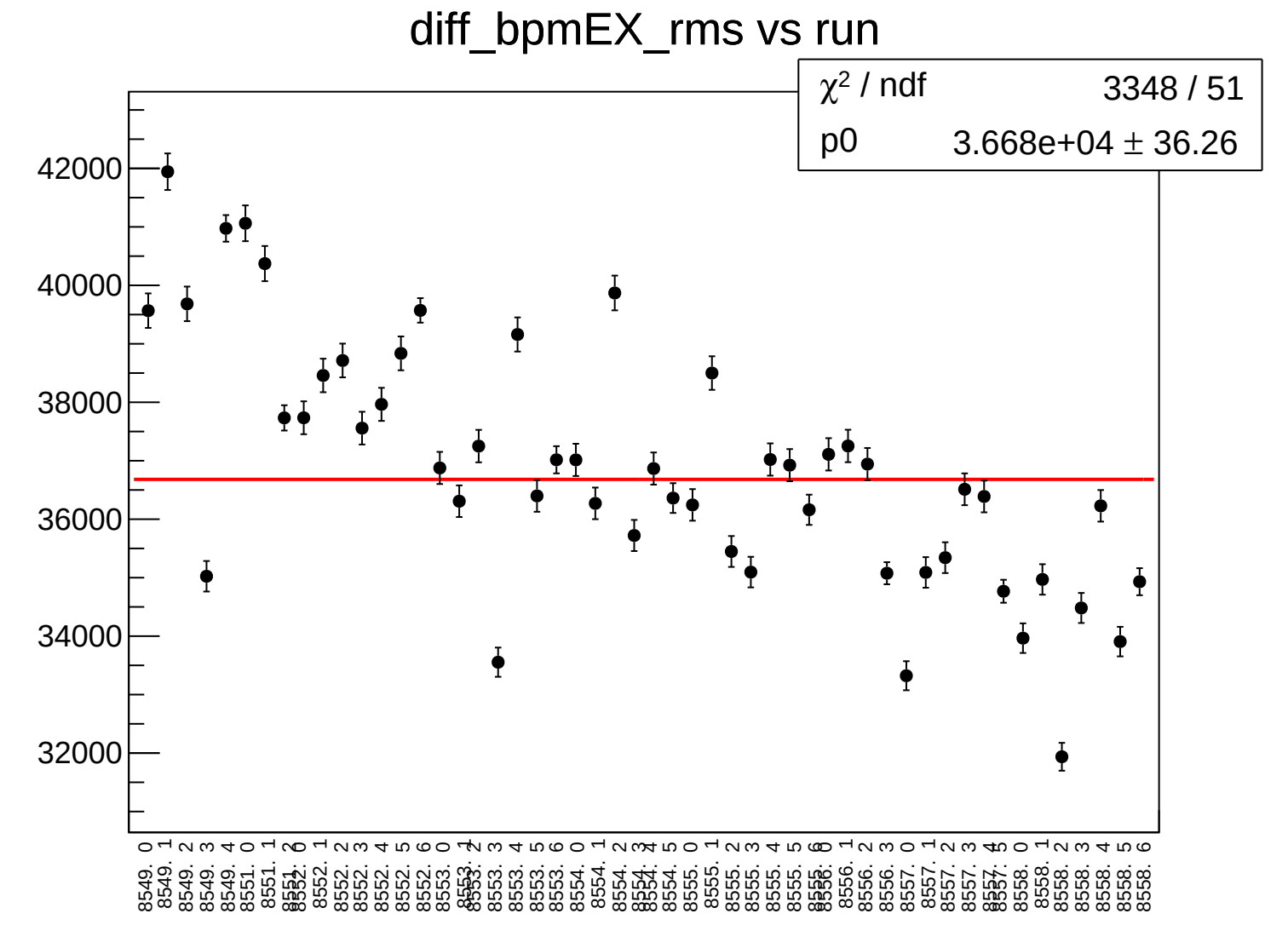

diff_bpmE_mean vs run
χ^2 / ndf 52.19 / 51
p0 13.36 ± 51.28
pull
Entries 52
Mean 3.367
Std Dev 0

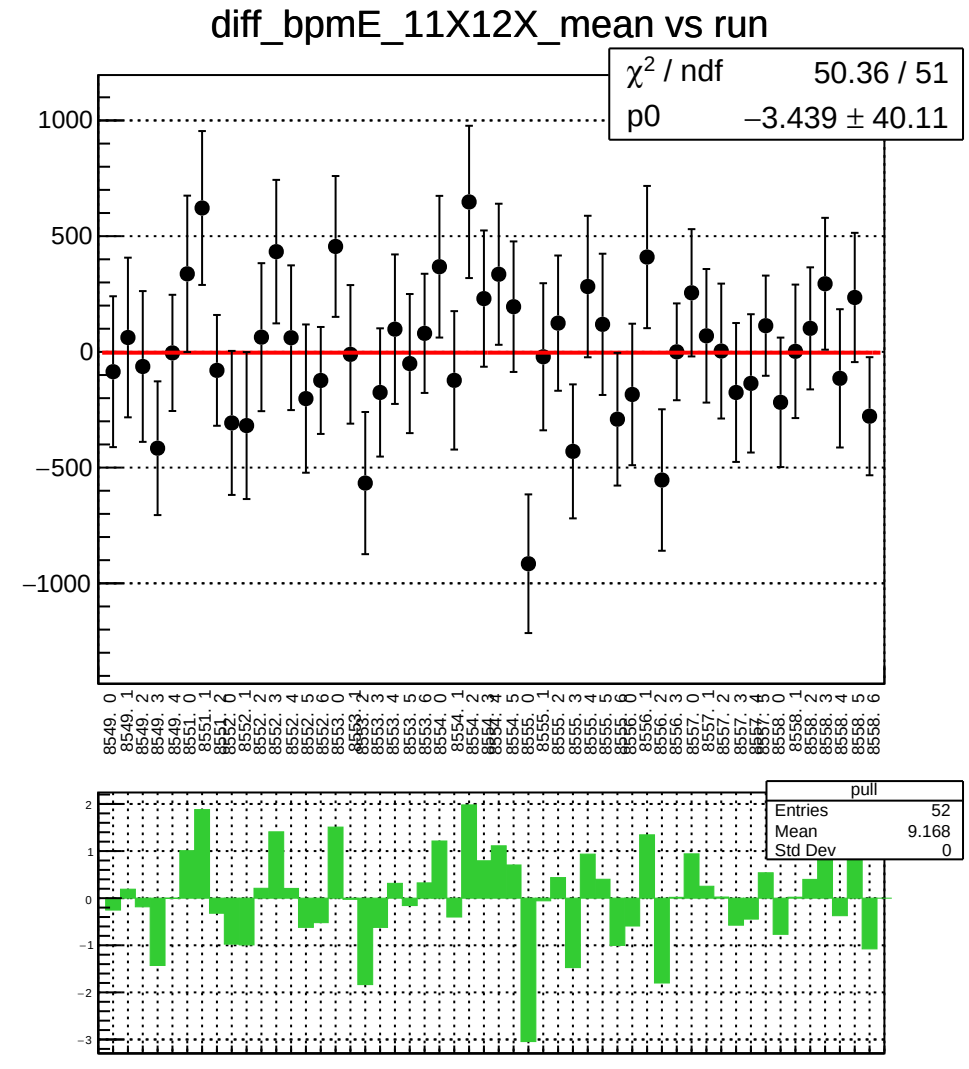

pull1D
Entries 52
Mean 0.01319
Std Dev 1.002

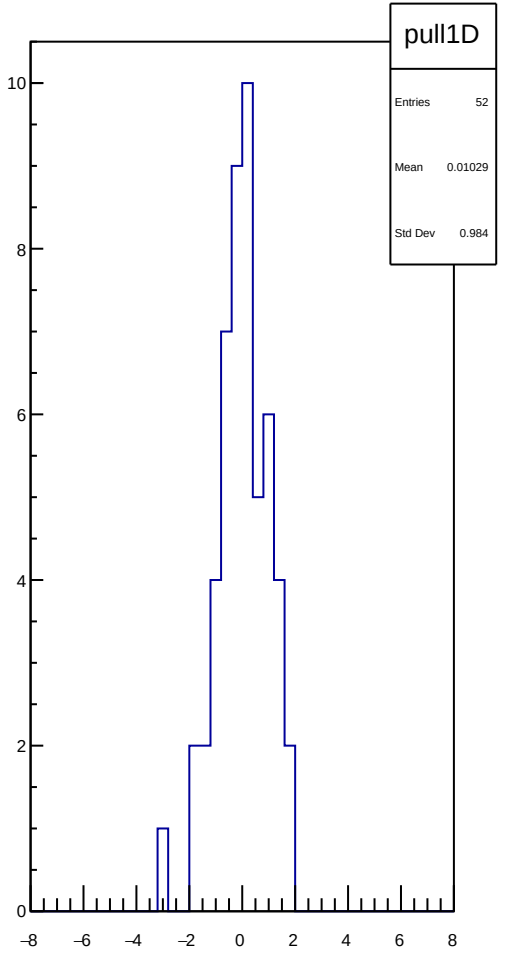

diff_bpmE_rms vs run
χ² / ndf 3348 / 51
p0 3.668e+04 ± 36.26
42000
40000
38000
36000
34000
32000
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

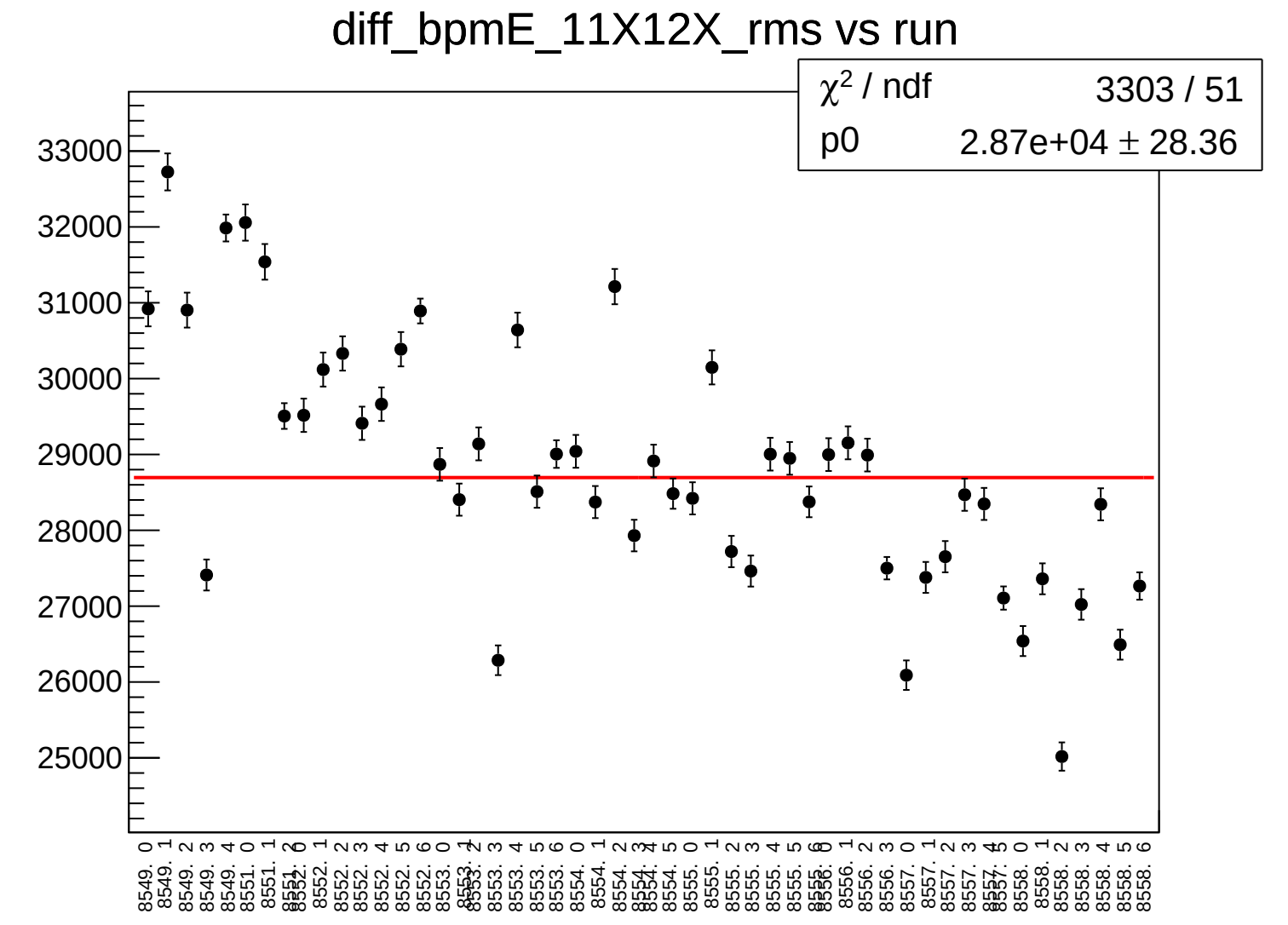

diff_bpmEX_mean vs run
χ^2 / ndf 52.19 / 51
p0 13.36 ± 51.28
pull
Entries 52
Mean 3.367
Std Dev 0


pull1D
Entries 52
Mean 0.01319
Std Dev 1.002


diff_bpmEX_rms vs run
χ² / ndf 3348 / 51
p0 3.668e+04 ± 36.26
42000
40000
38000
36000
34000
32000
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 5
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6


diff_bpmE_11X12X_mean vs run
χ² / ndf 50.36 / 51
p0 −3.439 ± 40.11
1000
500
0
−500
−1000
pull
Entries 52
Mean 9.168
Std Dev 0
2
1
0
−1
−2
−3


pull1D
Entries 52
Mean 0.01029
Std Dev 0.984
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


diff_bpmE_11X12X_rms vs run
χ² / ndf 3303 / 51
p0 2.87e+04 ± 28.36
33000
32000
31000
30000
29000
28000
27000
26000
25000
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
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8557. 3
8558. 0
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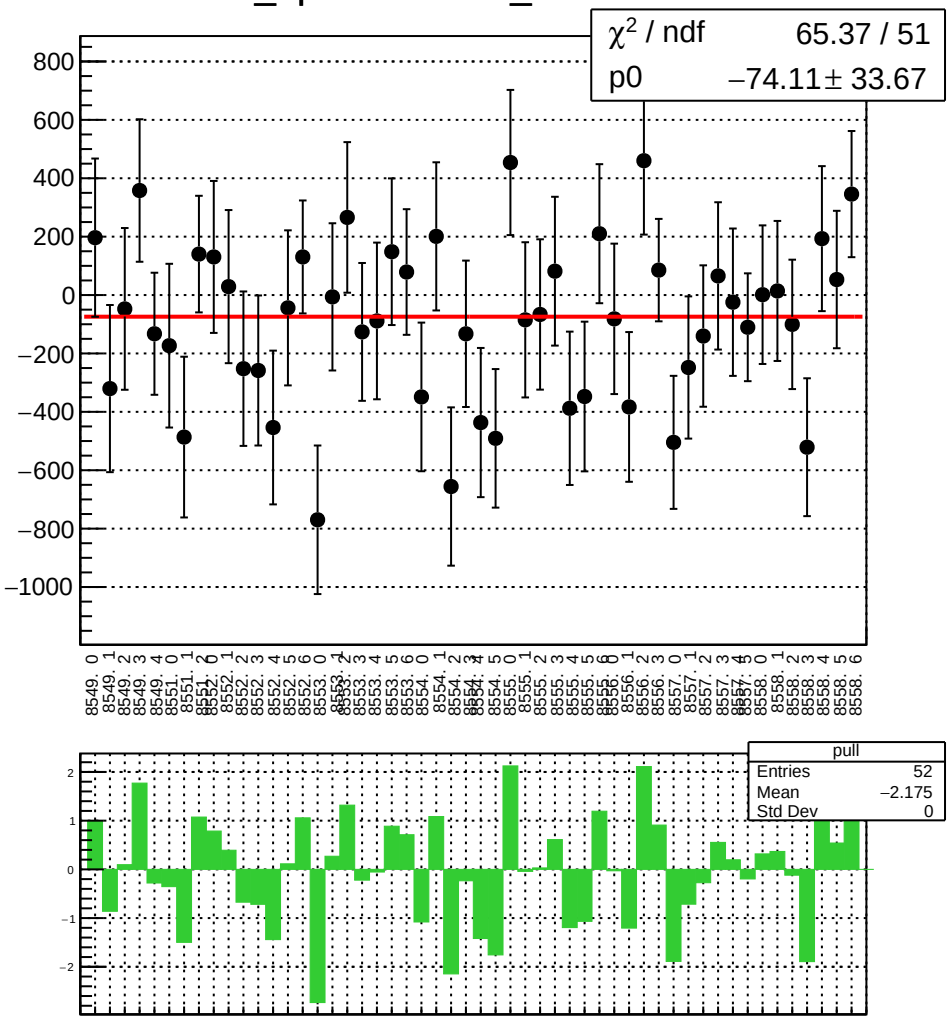
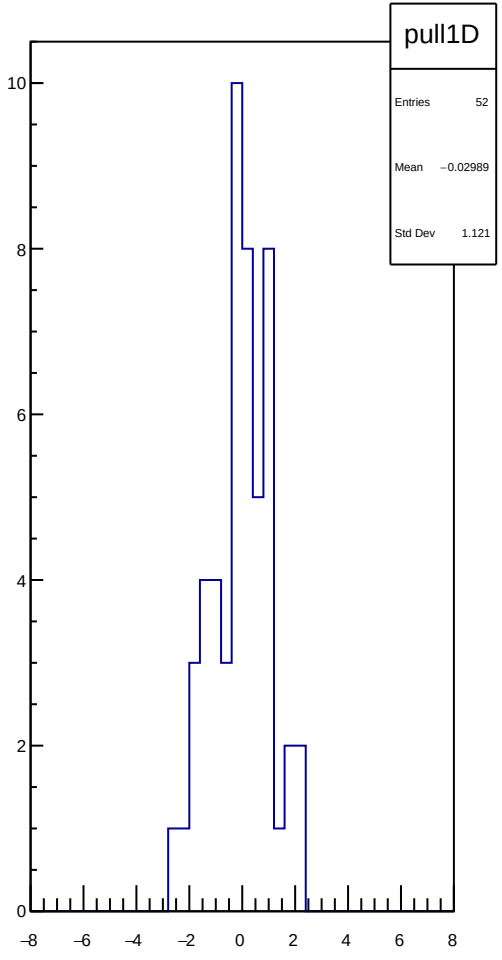
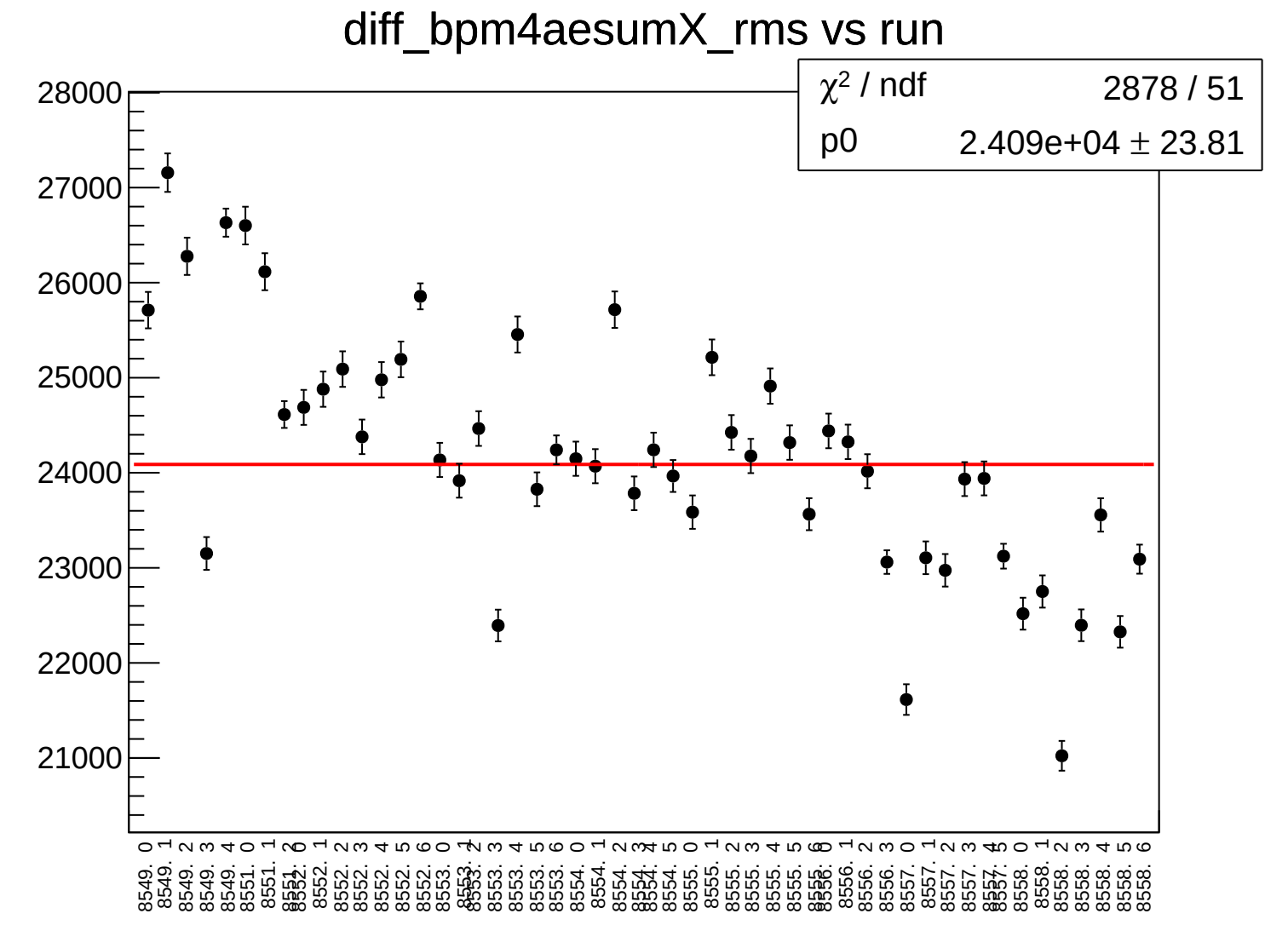
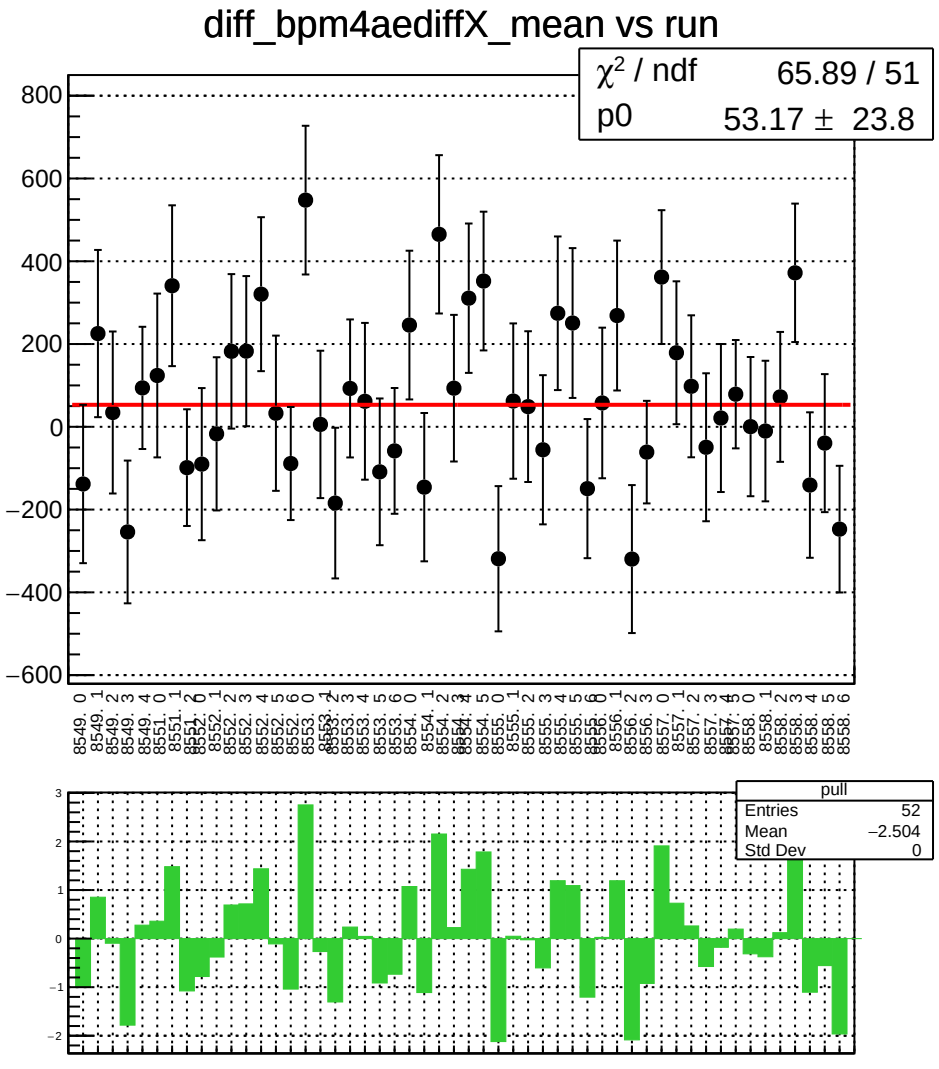
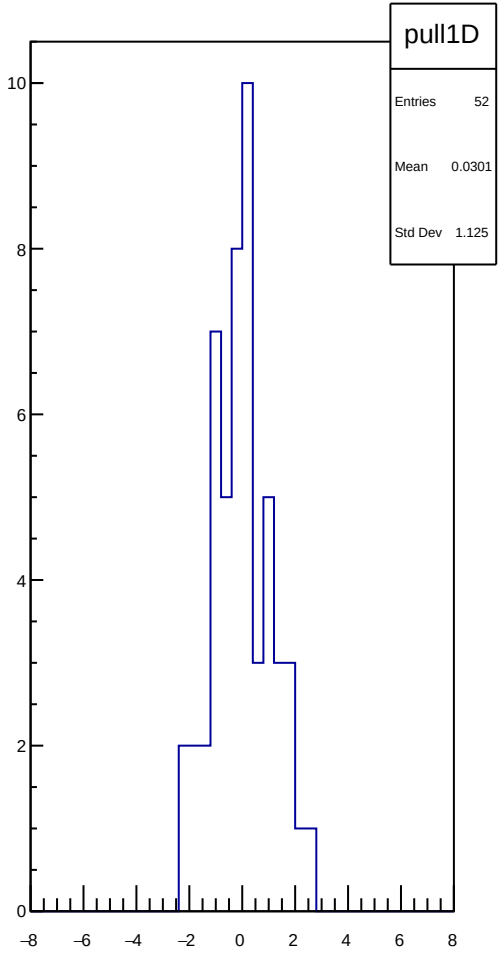
8558. 5
8558. 6

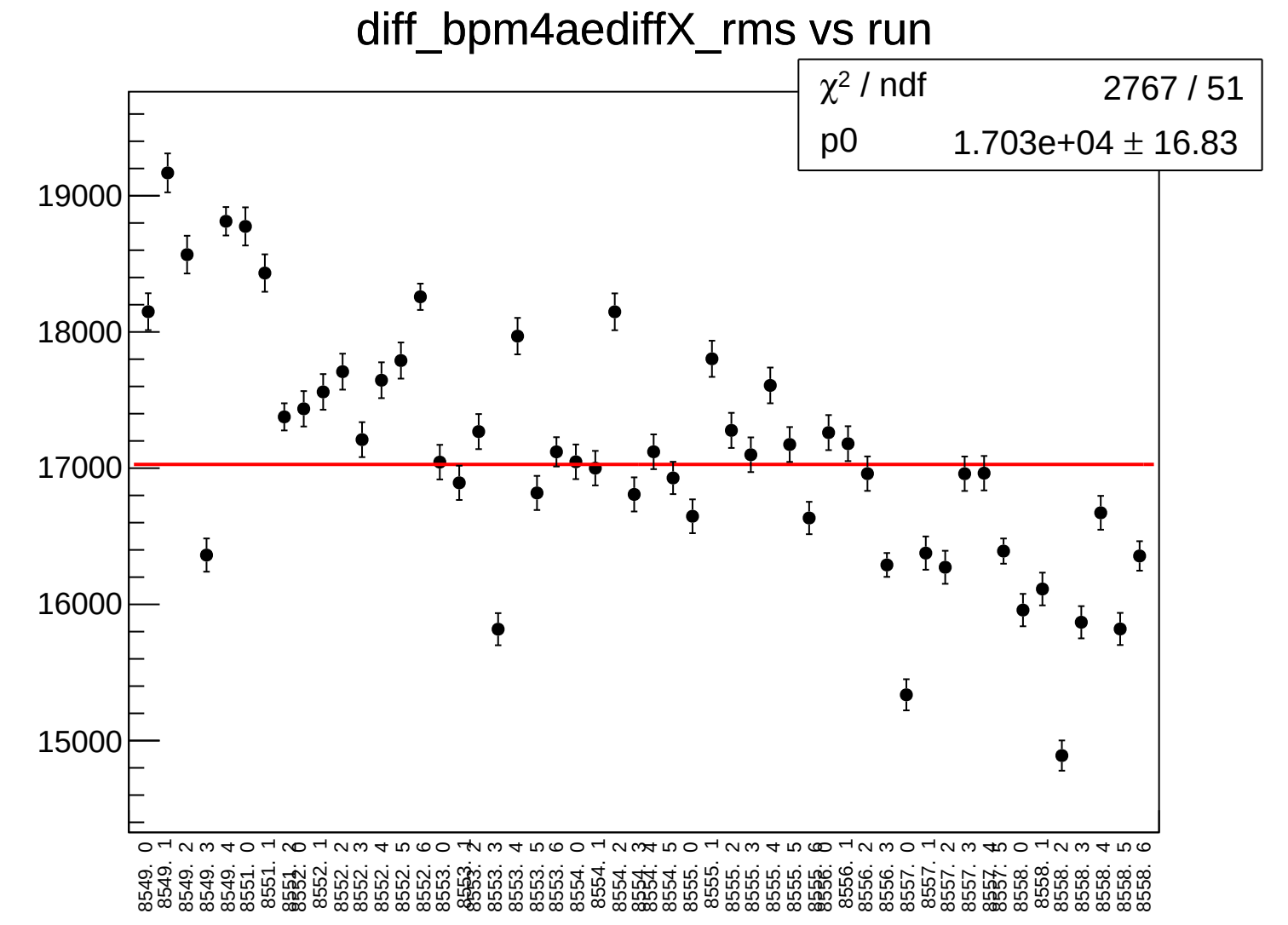

diff_bpm4aesumX_mean vs run
χ² / ndf 65.37 / 51
p0 −74.11 ± 33.67
pull
Entries 52
Mean −2.175
Std Dev 0

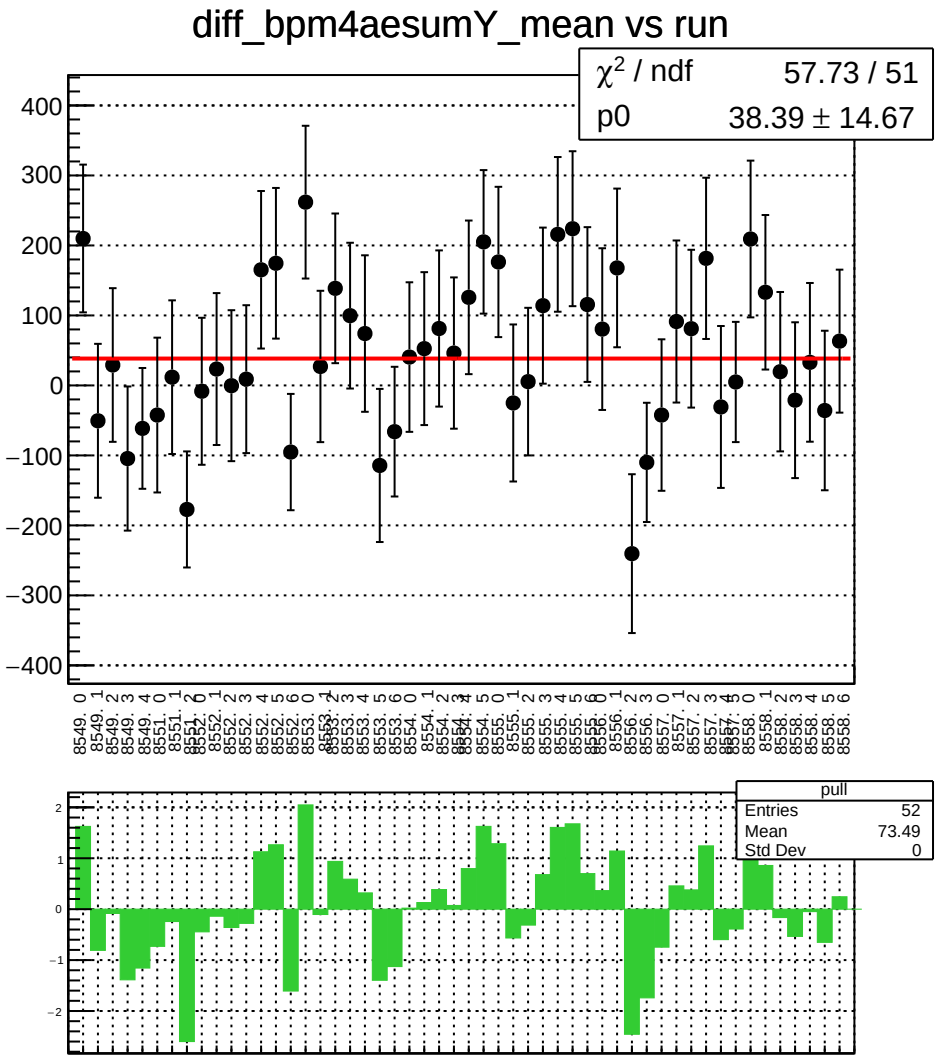

pull1D
Entries 52
Mean −0.02989
Std Dev 1.121

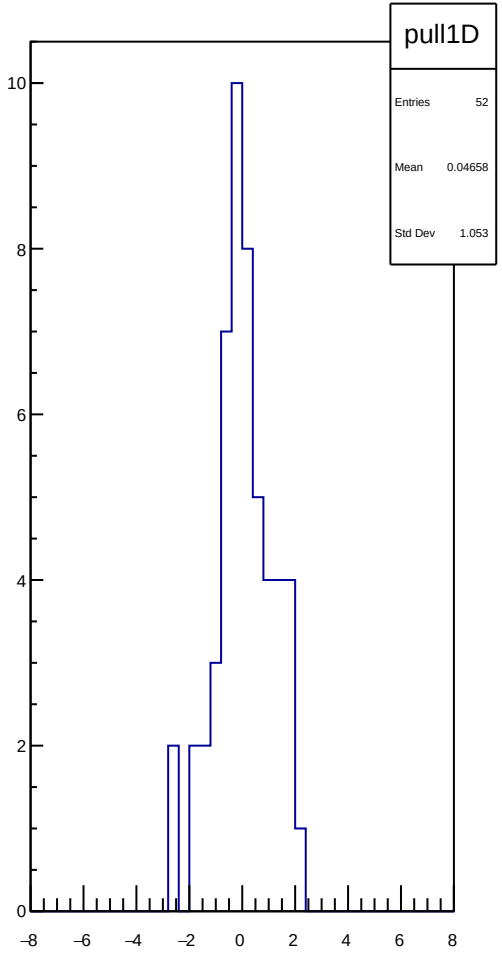

diff_bpm4aesumX_rms vs run
χ² / ndf 2878 / 51
p0 2.409e+04 ± 23.81
28000
27000
26000
25000
24000
23000
22000
21000
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

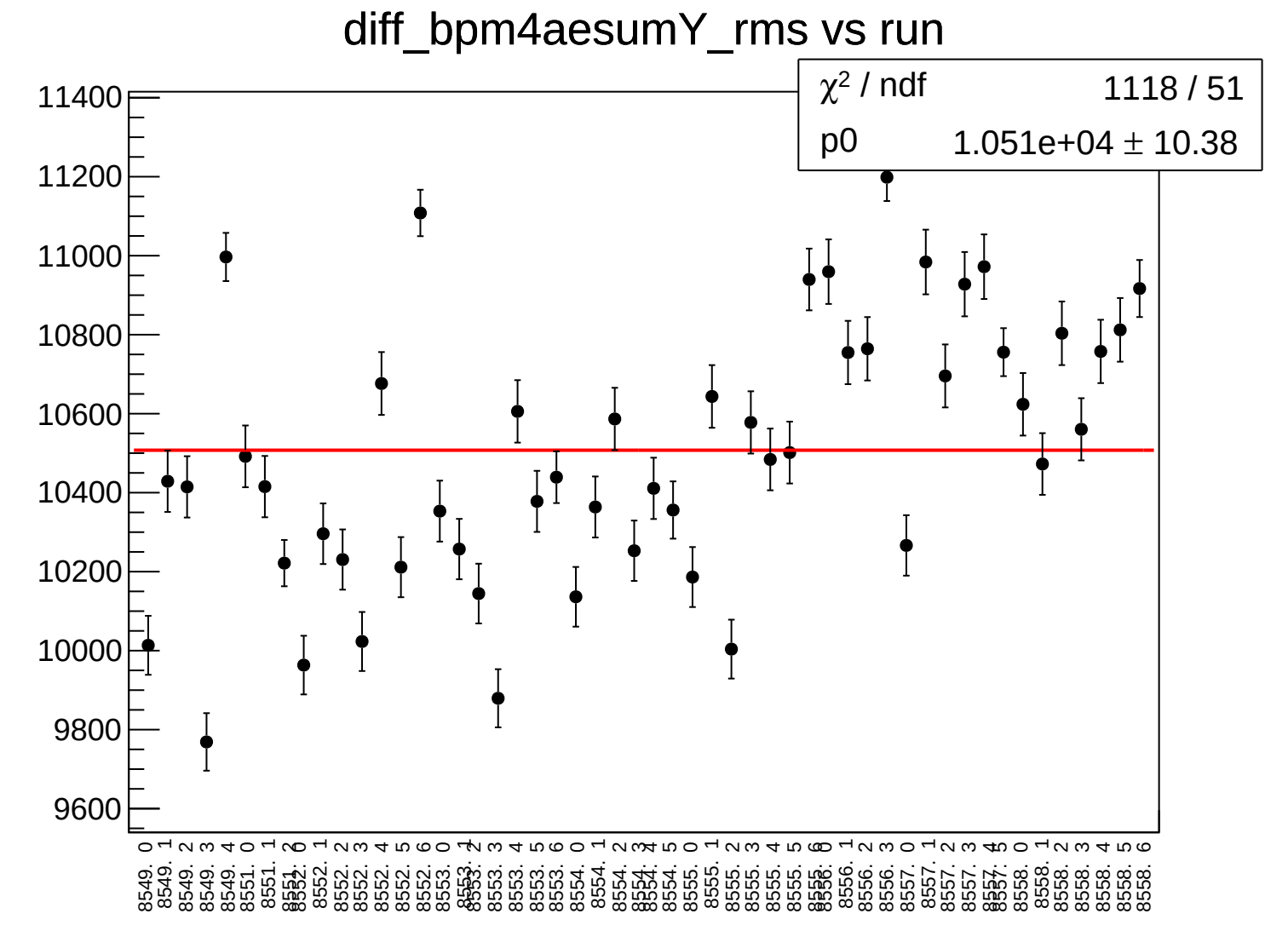

diff_bpm4aediffX_mean vs run
χ² / ndf 65.89 / 51
p0 53.17 ± 23.8
pull
Entries 52
Mean −2.504
Std Dev 0

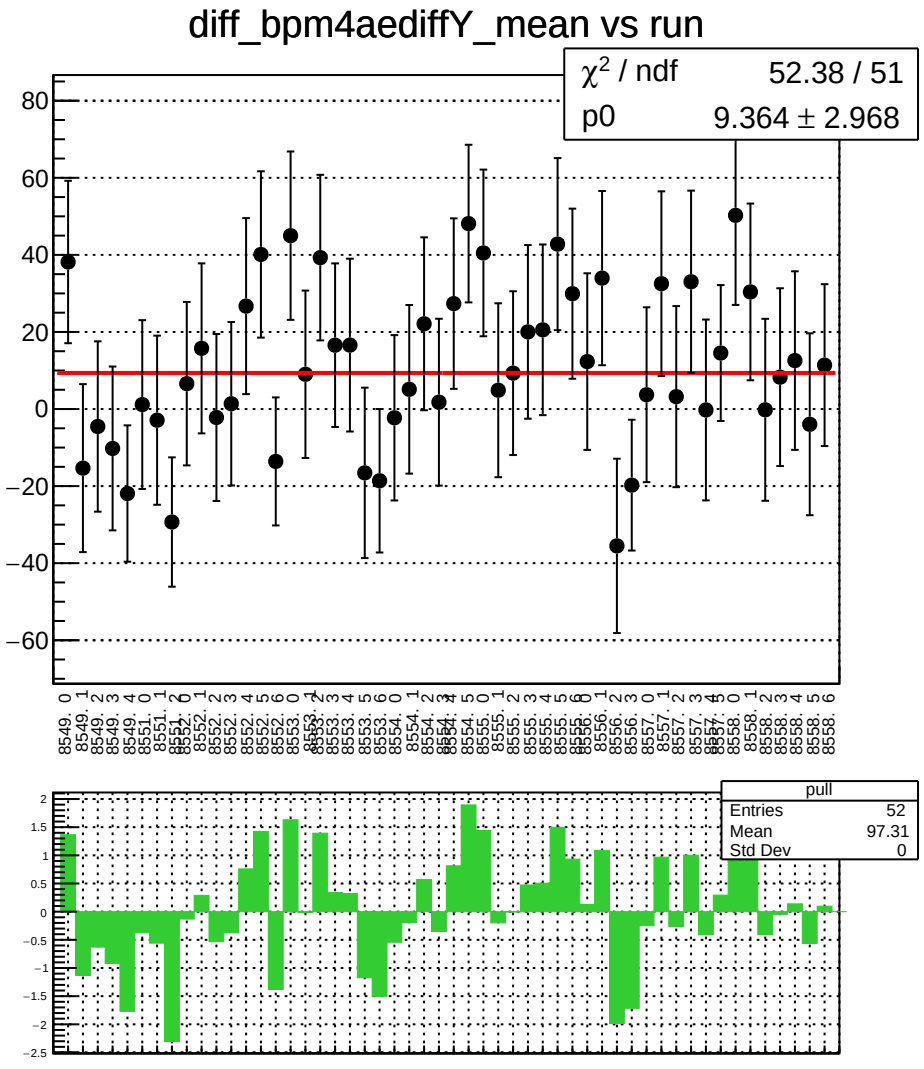

pull1D
Entries 52
Mean 0.0301
Std Dev 1.125

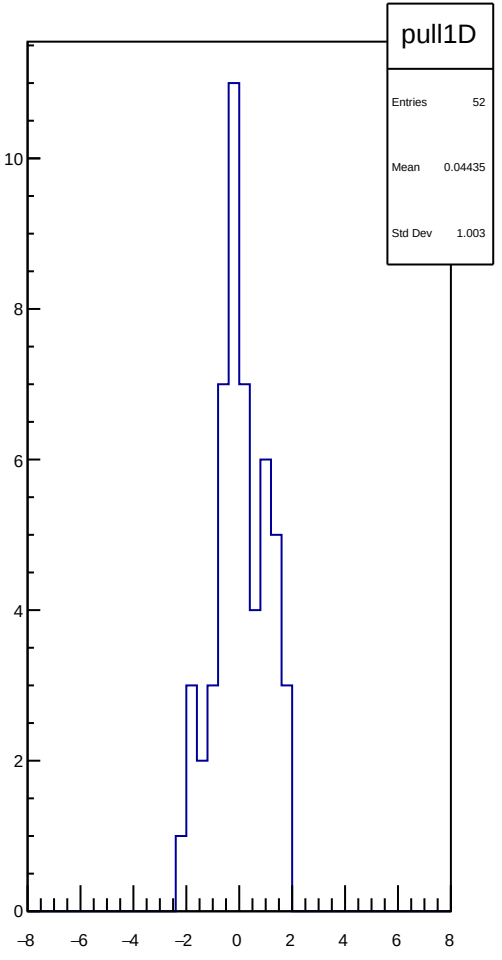

diff_bpm4aediffX_rms vs run
χ² / ndf 2767 / 51
p0 1.703e+04 ± 16.83
19000
18000
17000
16000
15000
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 5
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

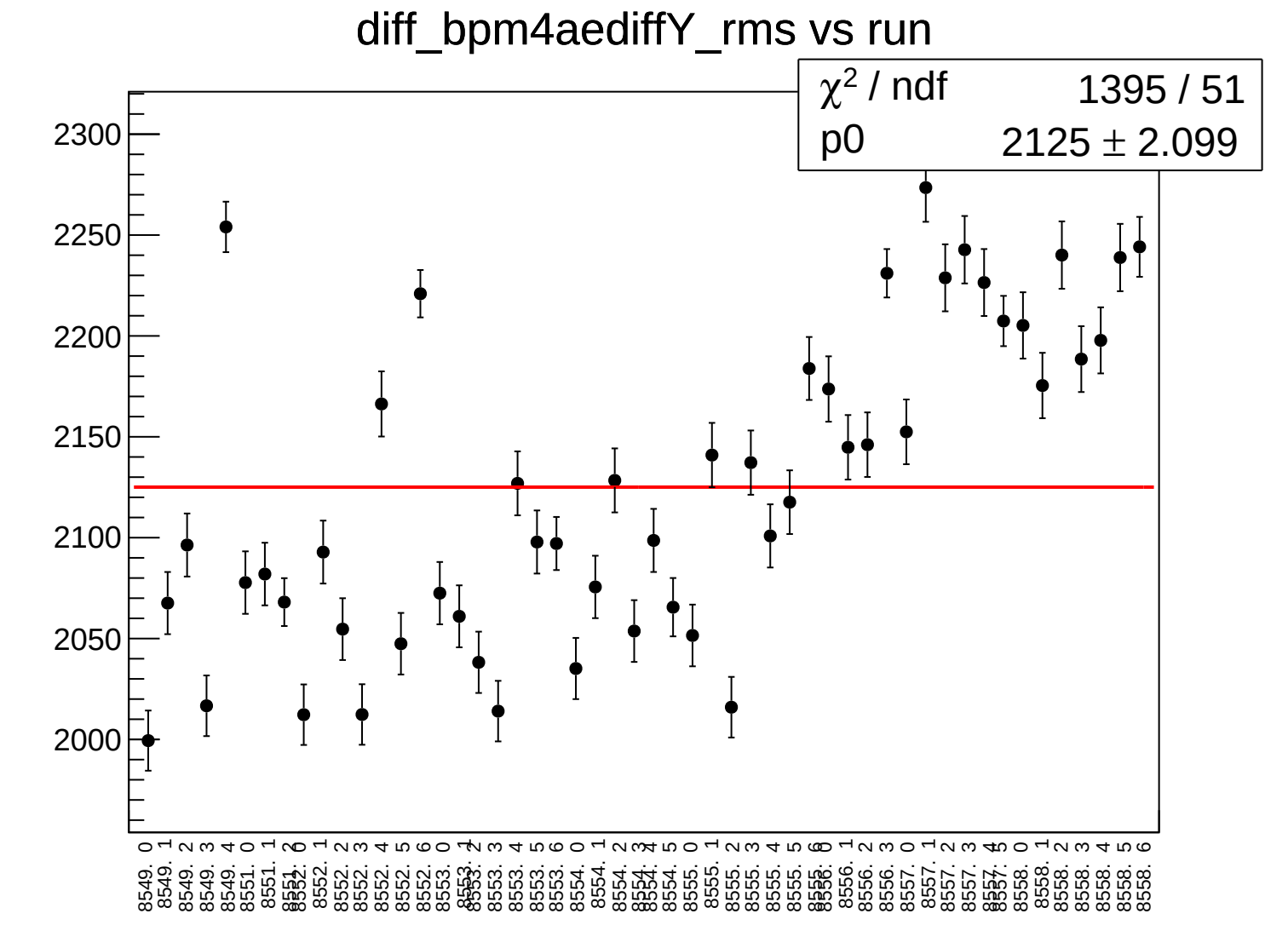

diff_bpm4aesumY_mean vs run
χ² / ndf 57.73 / 51
p0 38.39 ± 14.67
pull
Entries 52
Mean 73.49
Std Dev 0


pull1D
Entries 52
Mean 0.04658
Std Dev 1.053


diff_bpm4aesumY_rms vs run
χ² / ndf 1118 / 51
p0 1.051e+04 ± 10.38
11400
11200
11000
10800
10600
10400
10200
10000
9800
9600
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 5
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6


diff_bpm4aediffY_mean vs run
χ² / ndf 52.38 / 51
p0 9.364 ± 2.968
pull
Entries 52
Mean 97.31
Std Dev 0


pull1D
Entries 52
Mean 0.04435
Std Dev 1.003


diff_bpm4aediffY_rms vs run
χ² / ndf 1395 / 51
p0 2125 ± 2.099
2300
2250
2200
2150
2100
2050
2000
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
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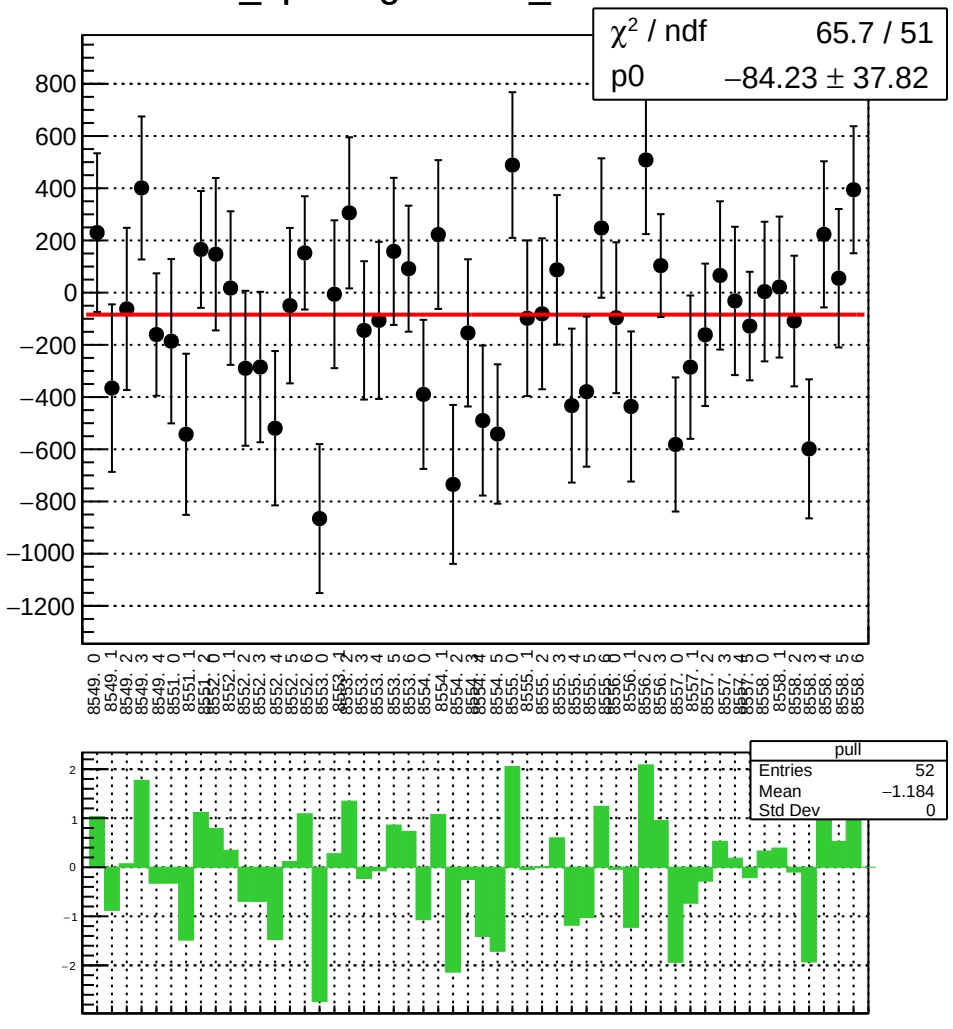
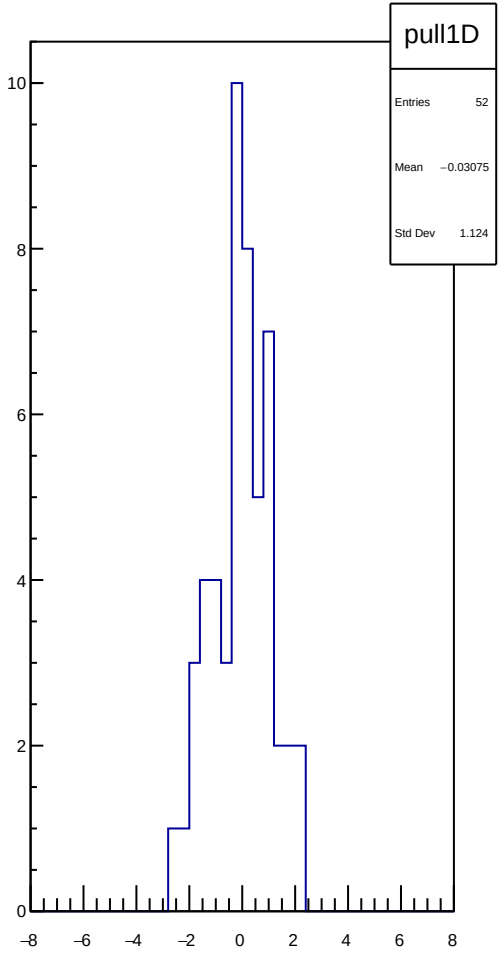
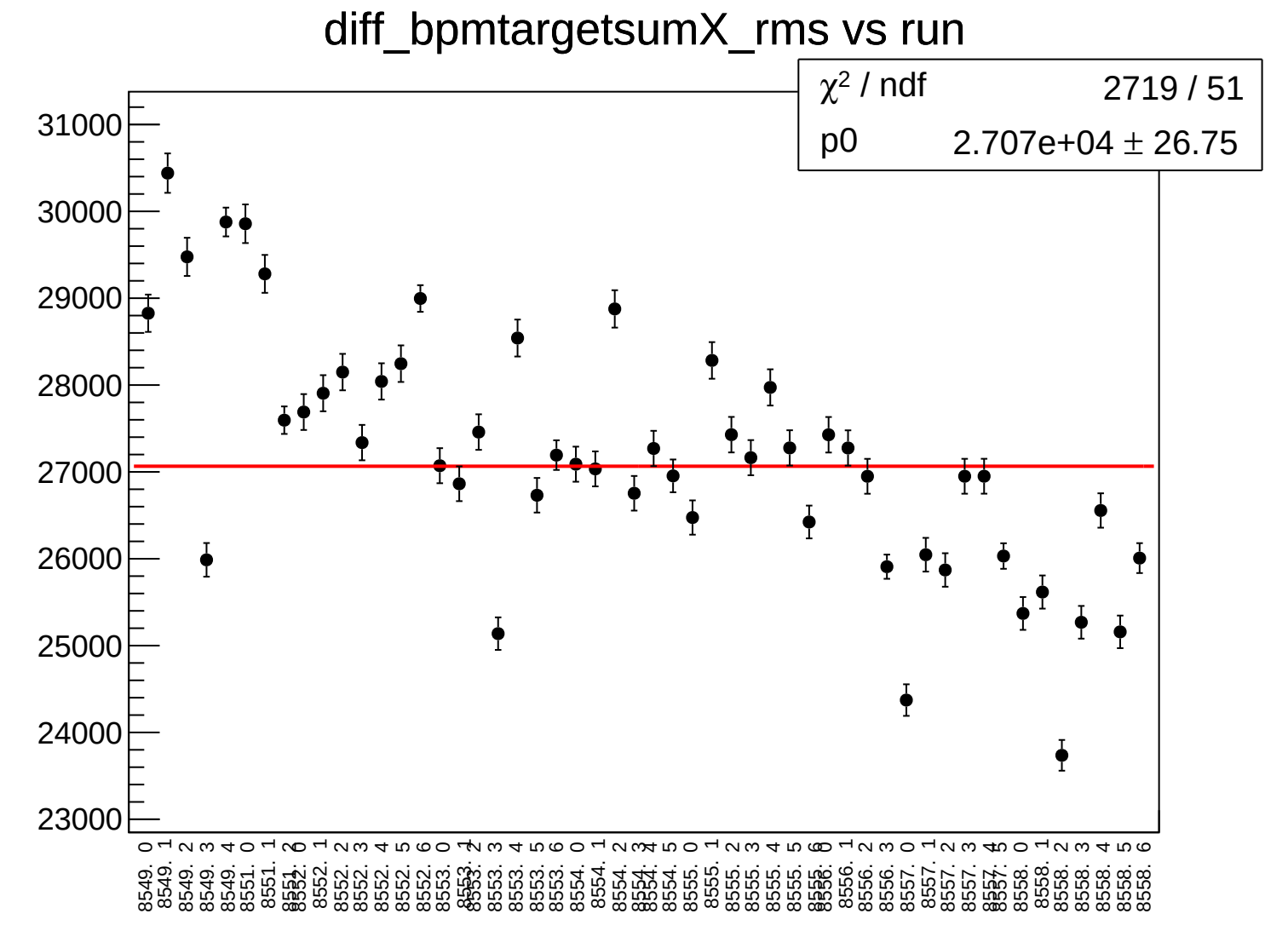
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6


diff_bpmtargetsumX_mean vs run
χ² / ndf 65.7 / 51
p0 −84.23 ± 37.82
pull
Entries 52
Mean −1.184
Std Dev 0


pull1D
Entries 52
Mean −0.03075
Std Dev 1.124


diff_bpmtargetsumX_rms vs run
χ² / ndf 2719 / 51
p0 2.707e+04 ± 26.75
31000
30000
29000
28000
27000
26000
25000
24000
23000
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
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8554. 2
8555. 0
8555. 1
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8556. 1
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8556. 3
8557. 0
8557. 1
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8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
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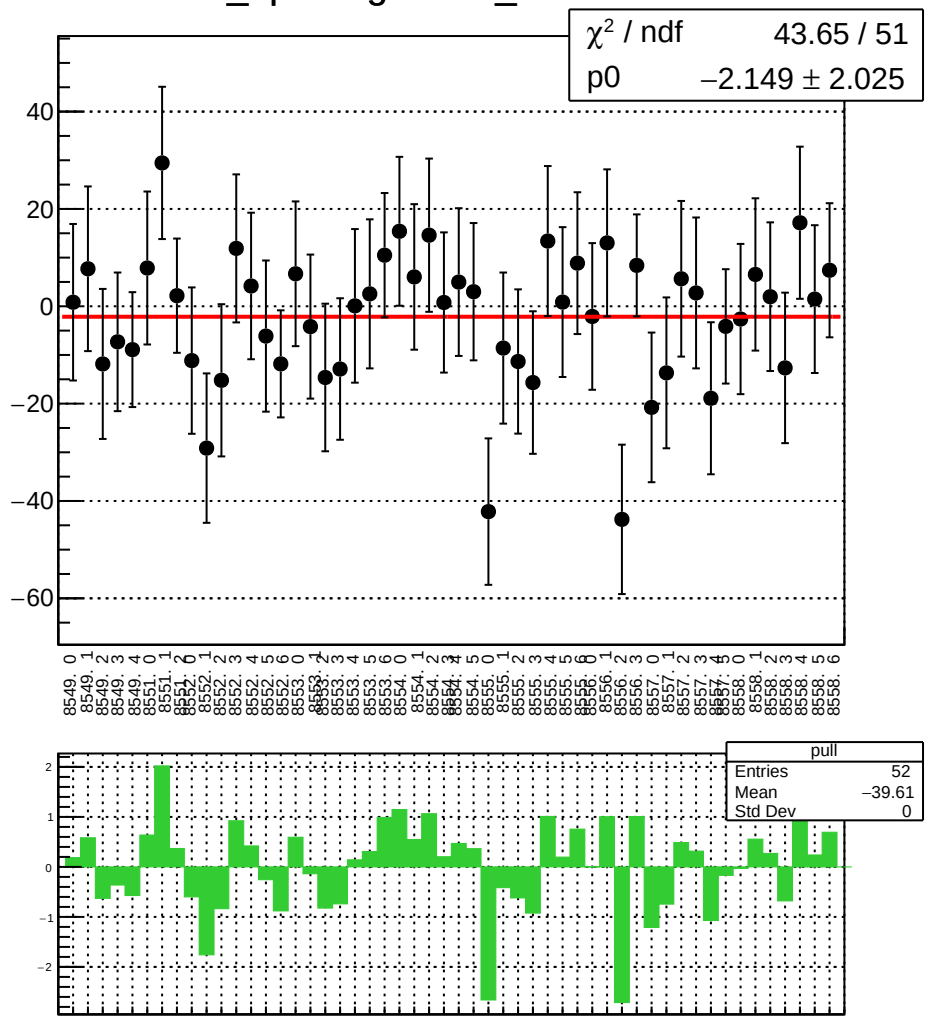
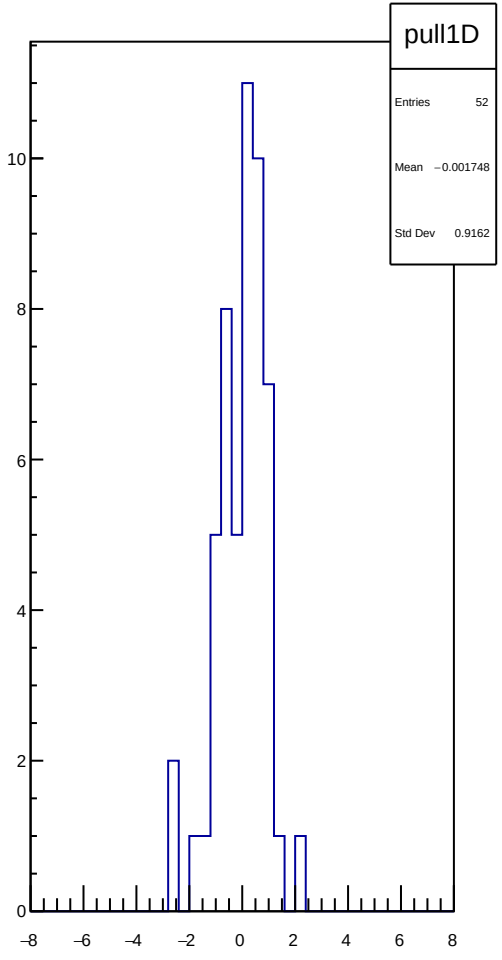
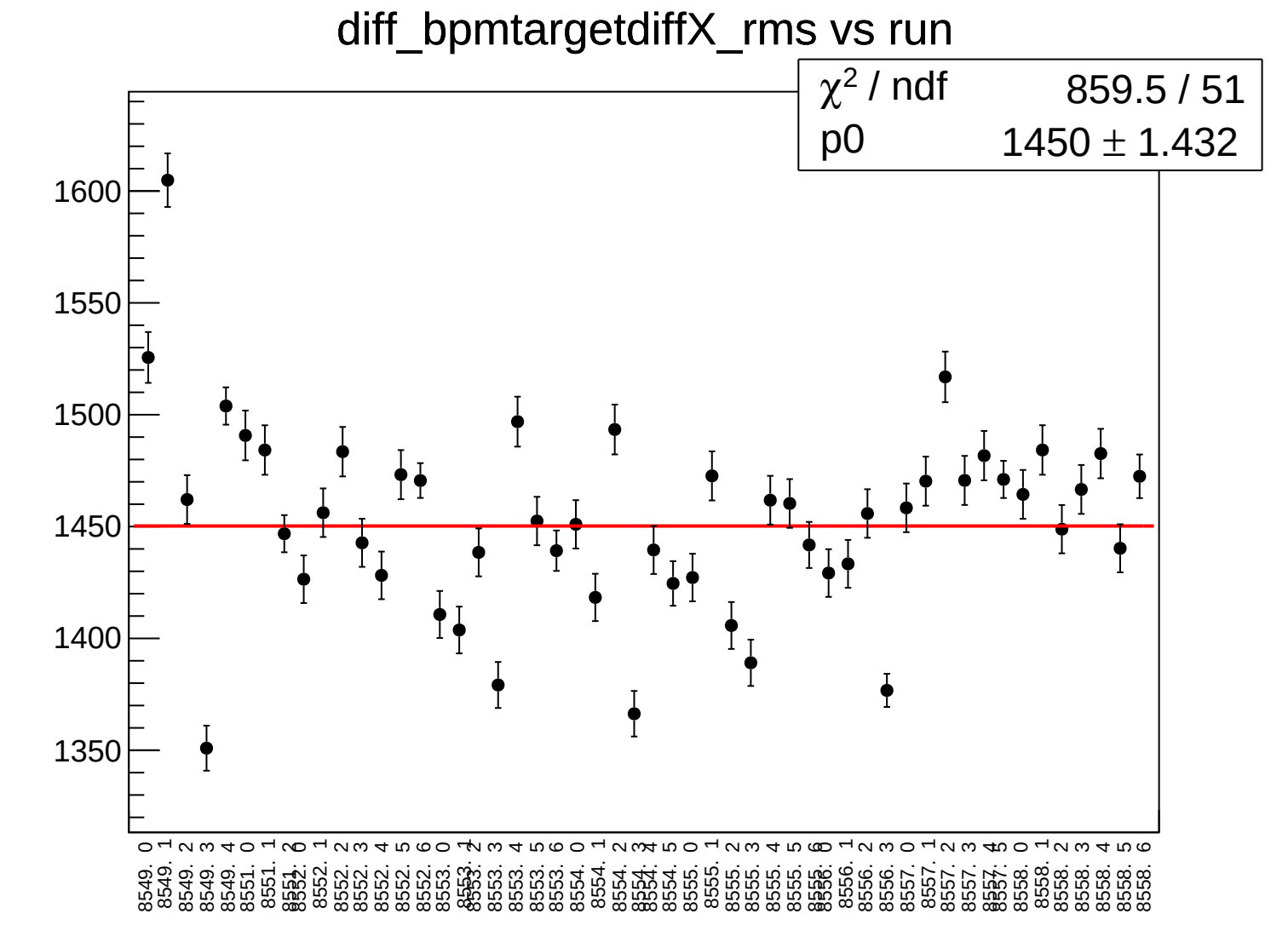
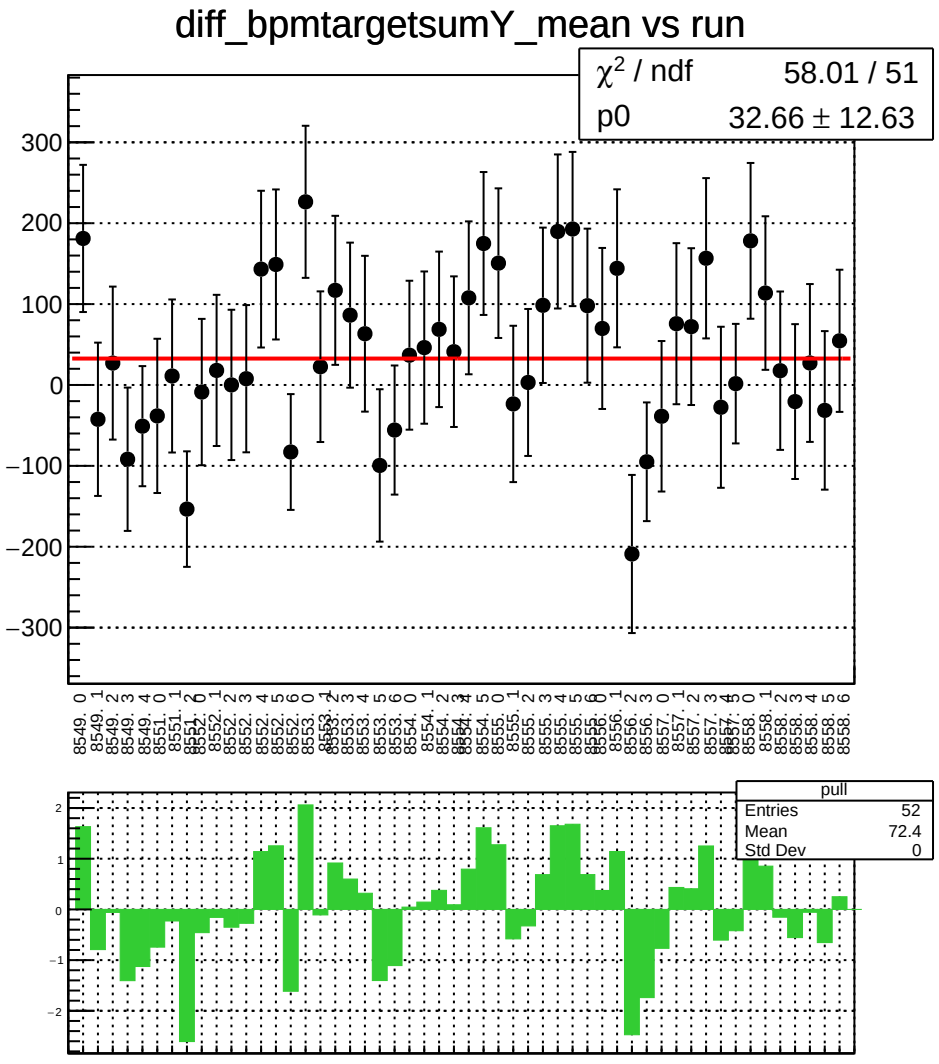
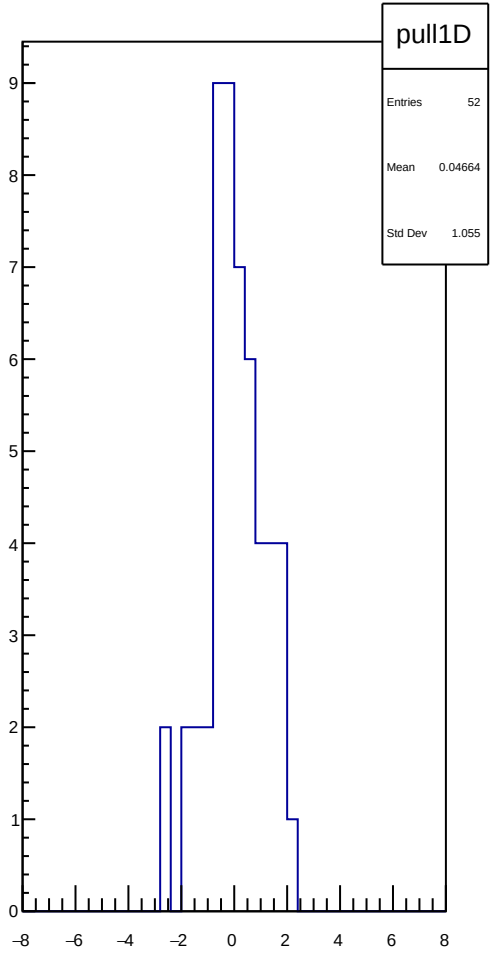
8558. 6

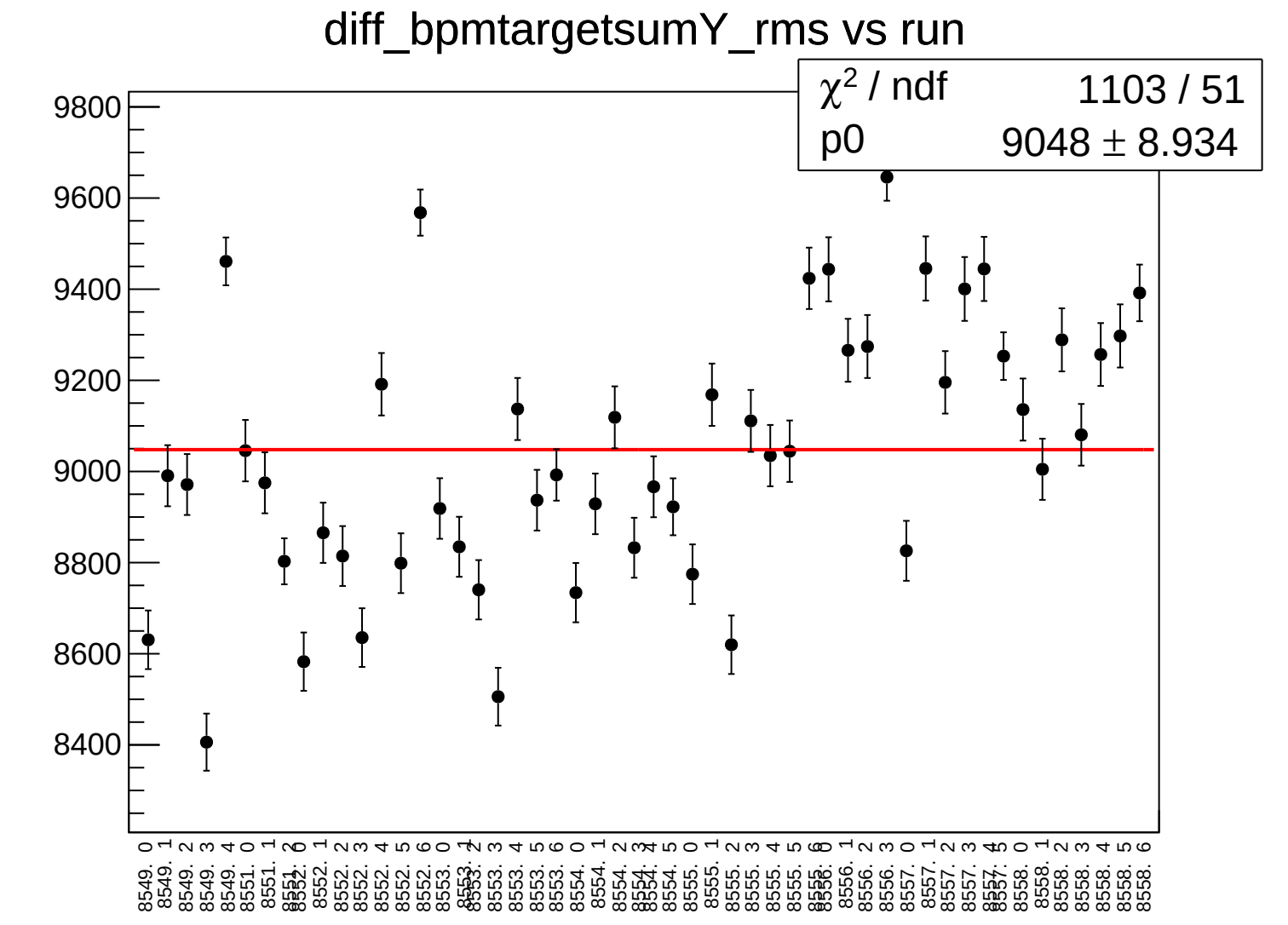

diff_bpmtargetdiffX_mean vs run
χ² / ndf 43.65 / 51
p0 −2.149 ± 2.025
pull
Entries 52
Mean −39.61
Std Dev 0

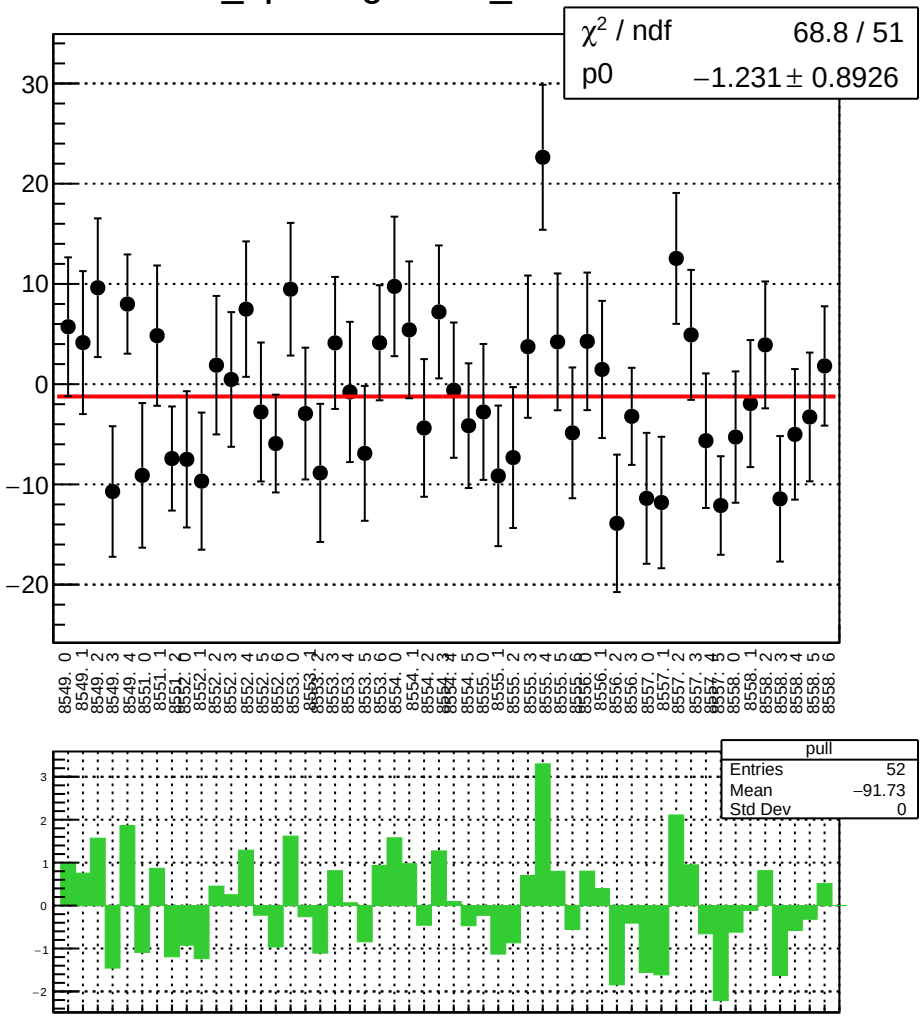

pull1D
Entries 52
Mean −0.001748
Std Dev 0.9162

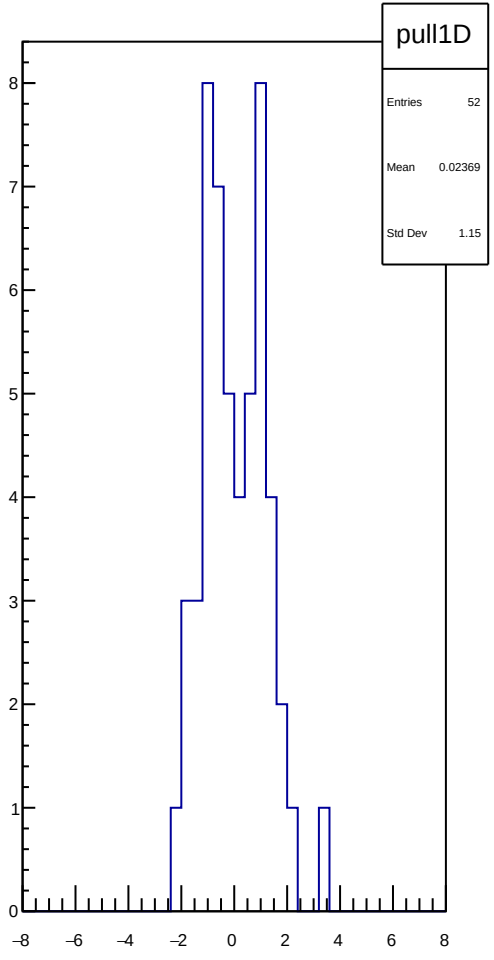

diff_bpmtargetdiffX_rms vs run
χ² / ndf 859.5 / 51
p0 1450 ± 1.432
1600
1550
1500
1450
1400
1350
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 5
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

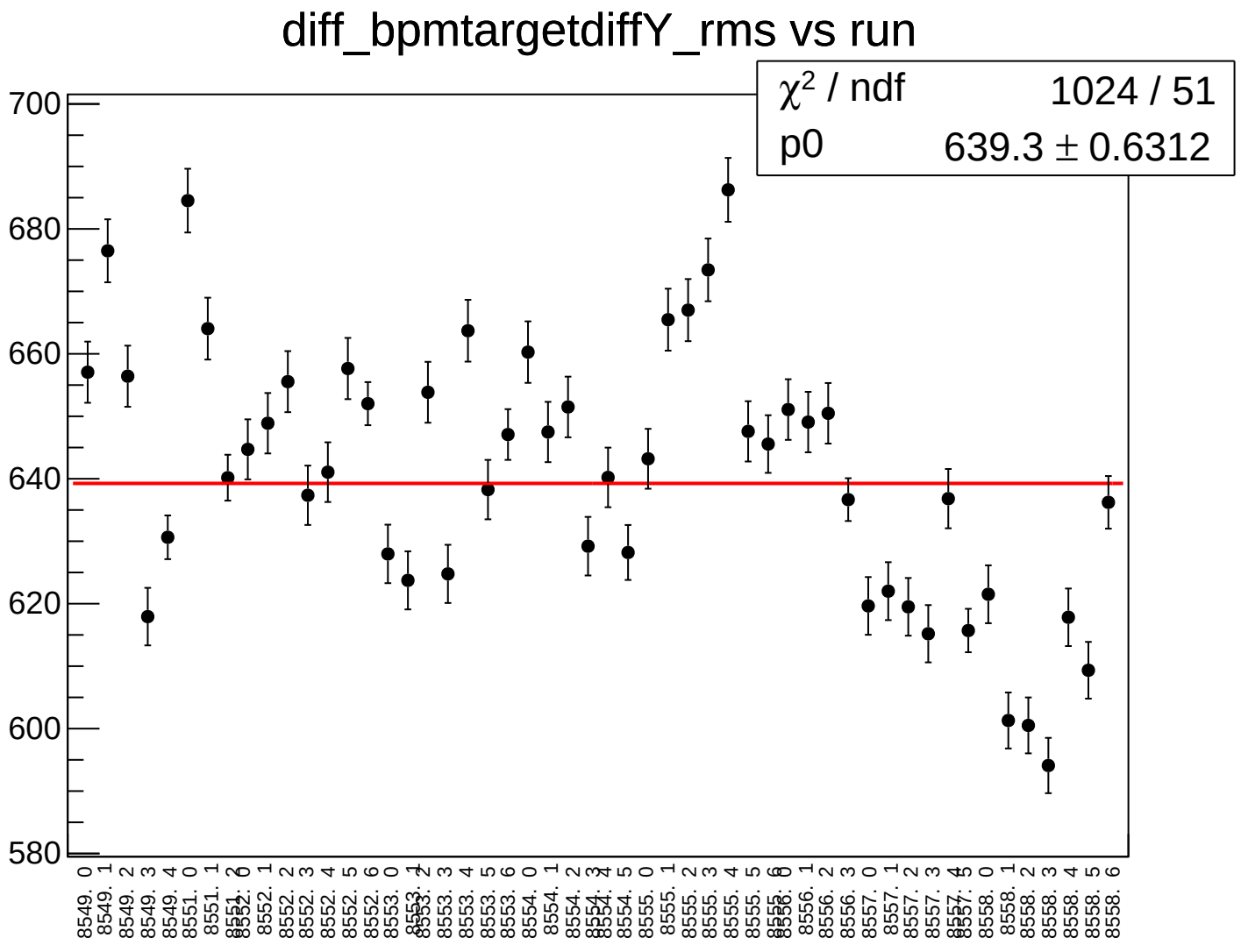

diff_bpmtargetsumY_mean vs run
χ² / ndf 58.01 / 51
p0 32.66 ± 12.63
pull
Entries 52
Mean 72.4
Std Dev 0

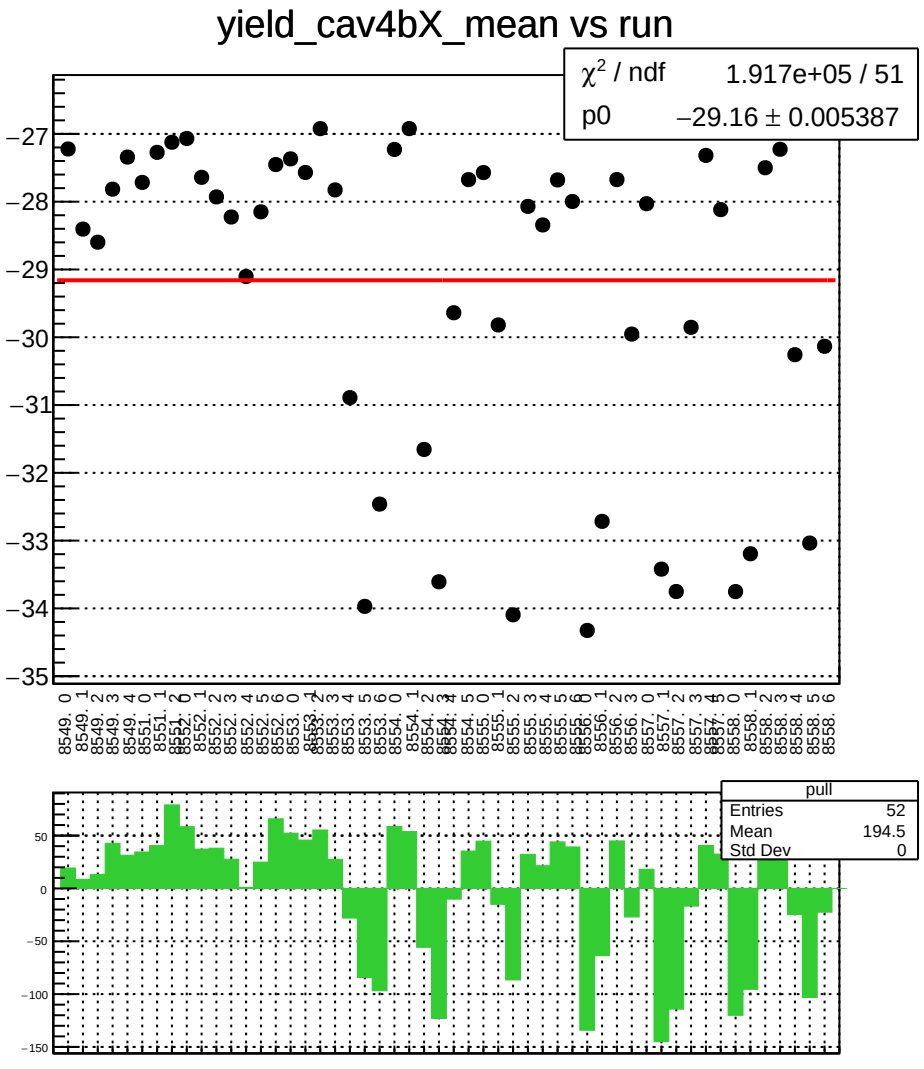

pull1D
Entries 52
Mean 0.04664
Std Dev 1.055

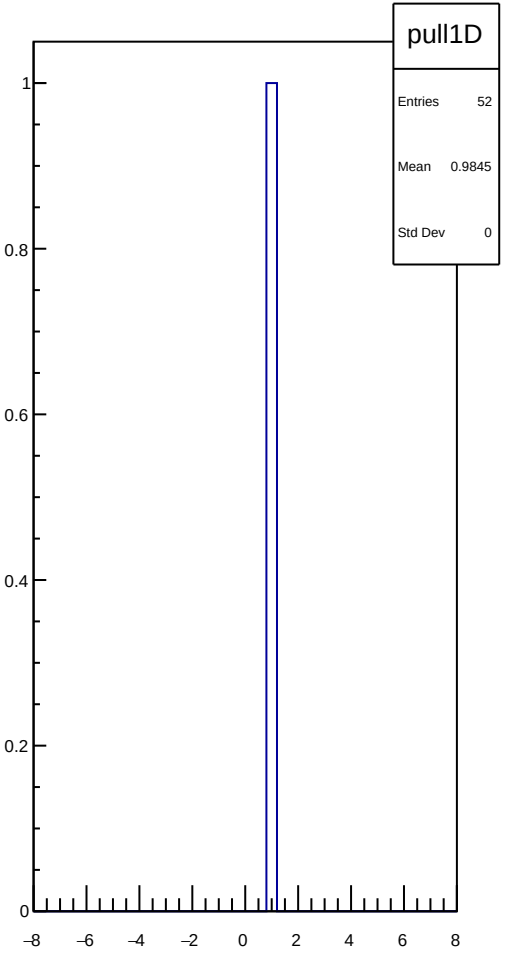

diff_bpmtargetsumY_rms vs run
χ² / ndf 1103 / 51
p0 9048 ± 8.934
9800
9600
9400
9200
9000
8800
8600
8400
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 5
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

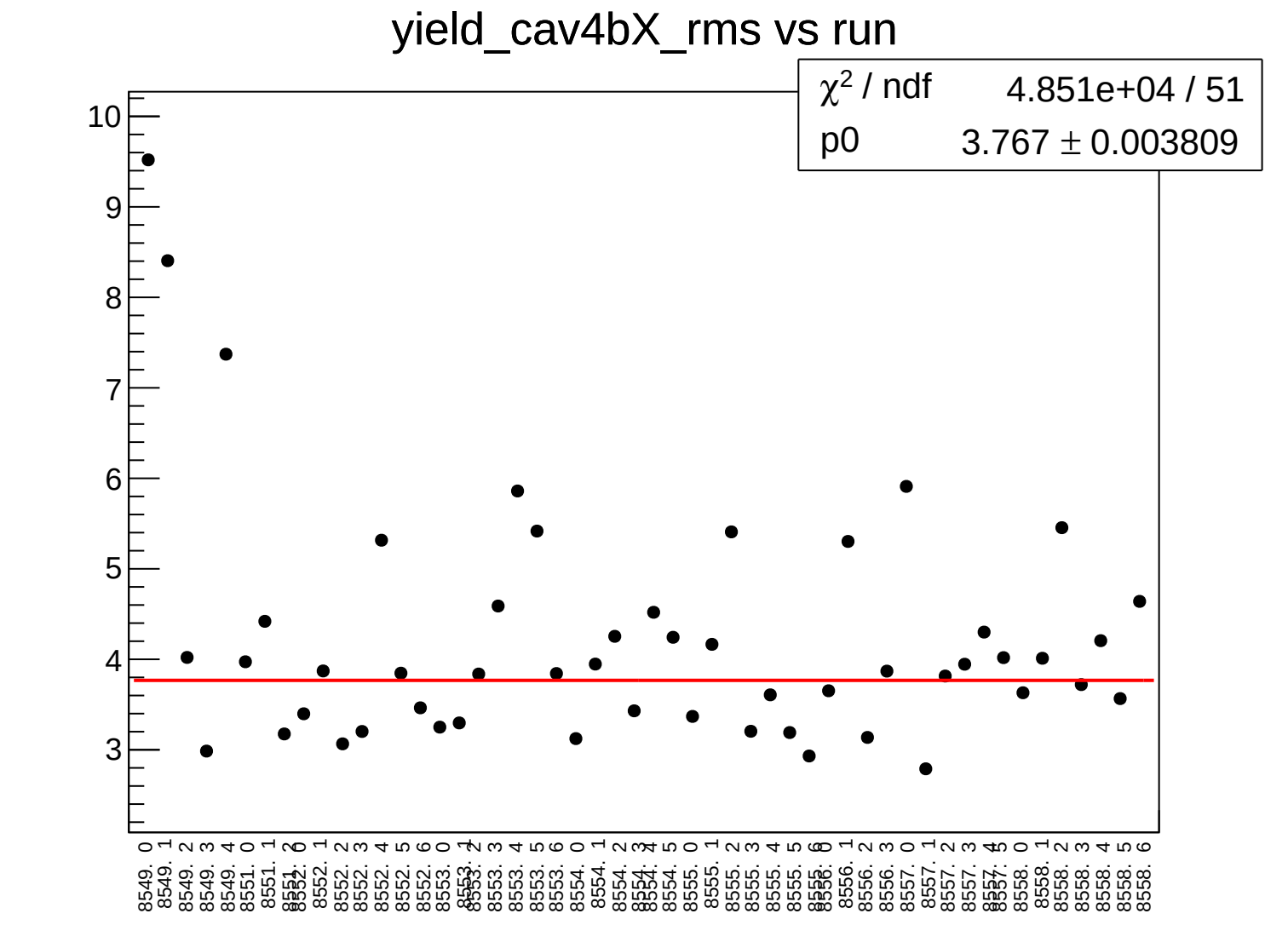

diff_bpmtargetdiffY_mean vs run
χ² / ndf 68.8 / 51
p0 −1.231 ± 0.8926
pull
Entries 52
Mean −91.73
Std Dev 0

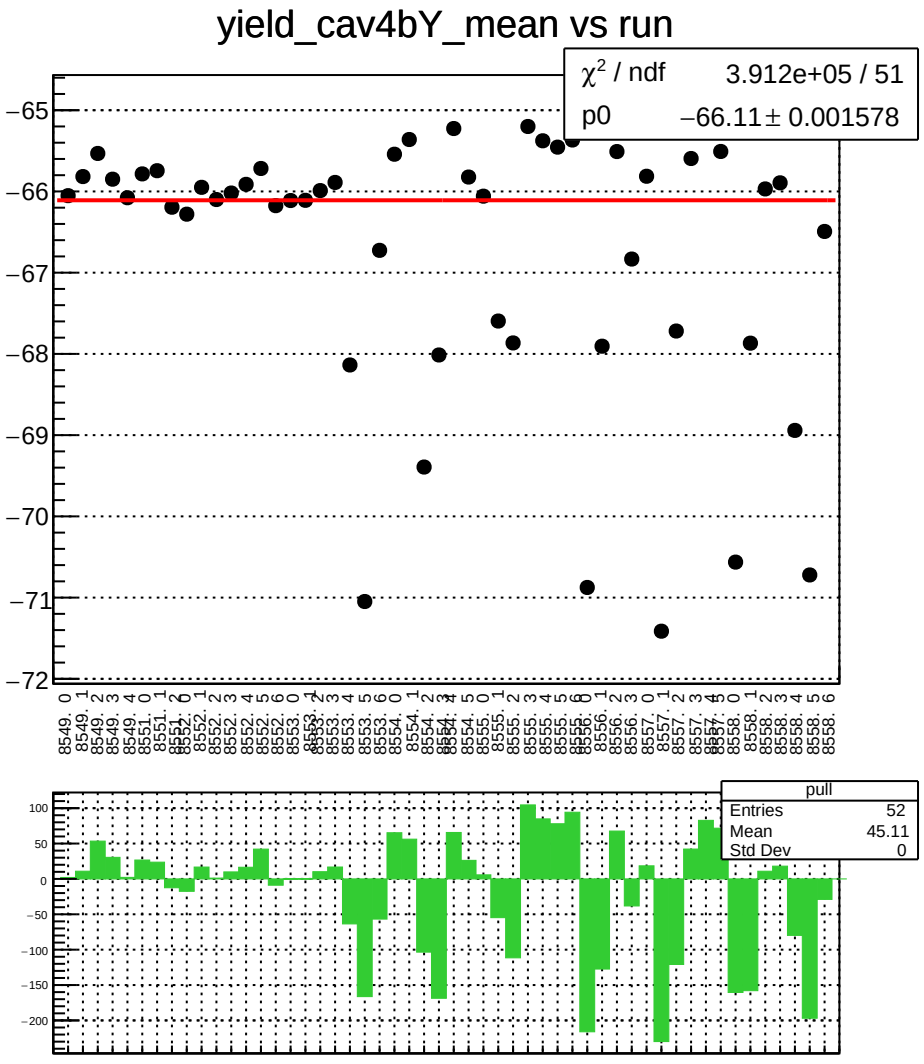

pull1D
Entries 52
Mean 0.02369
Std Dev 1.15

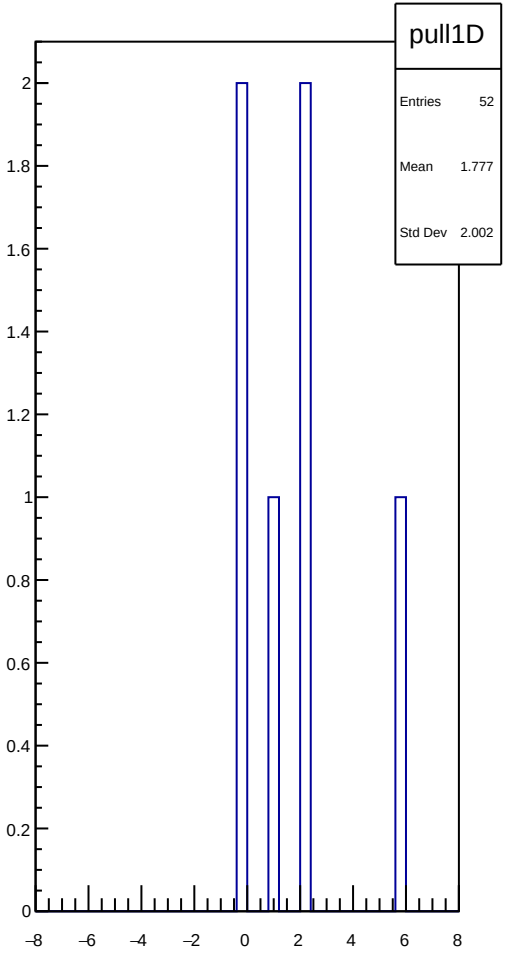

diff_bpmtargetdiffY_rms vs run
χ² / ndf 1024 / 51
p0 639.3 ± 0.6312
700
680
660
640
620
600
580
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

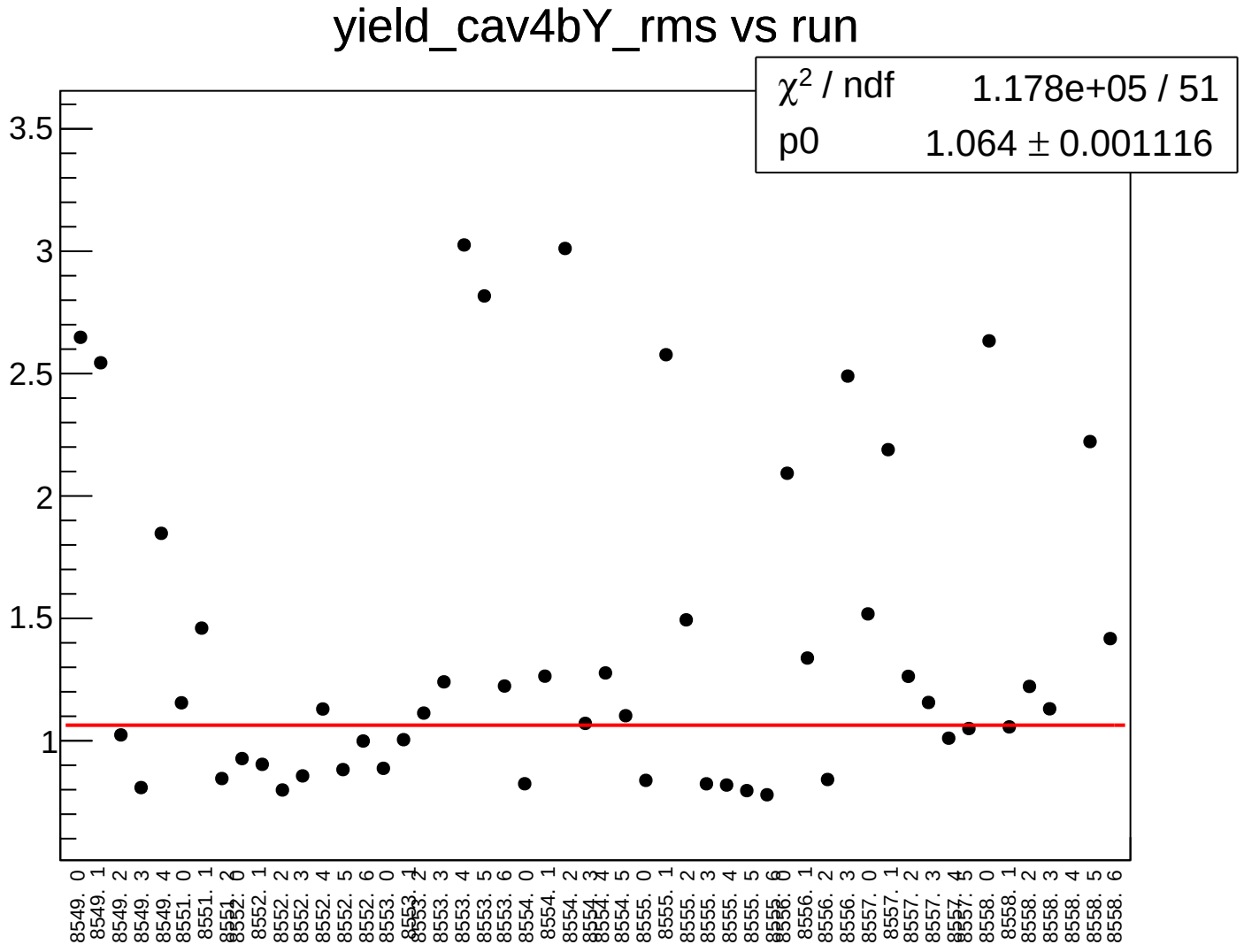

yield_cav4bX_mean vs run
χ² / ndf 1.917e+05 / 51
p0 −29.16 ± 0.005387
pull
Entries 52
Mean 194.5
Std Dev 0

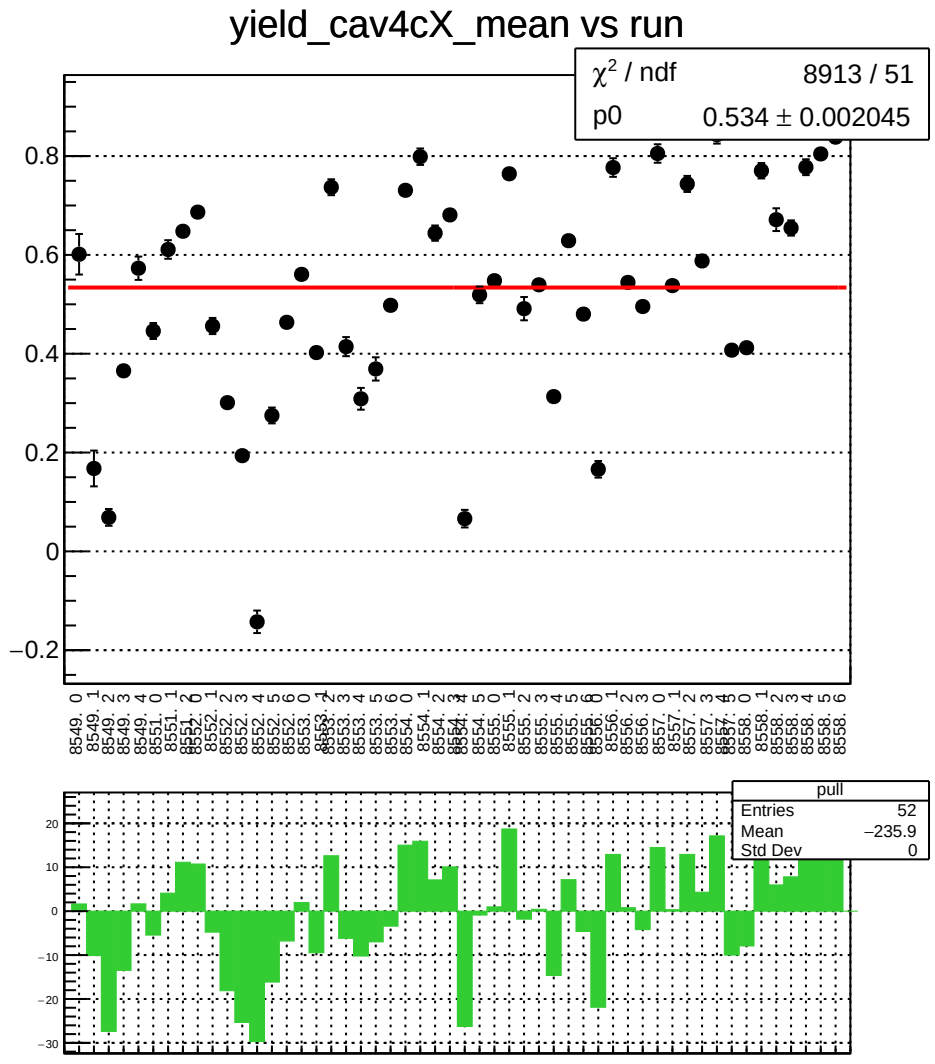

pull1D
Entries 52
Mean 0.9845
Std Dev 0

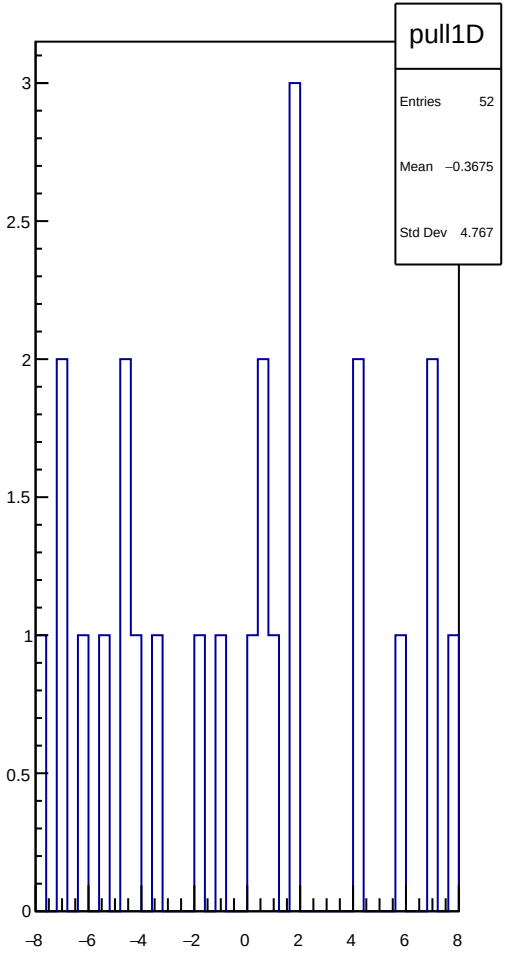

yield_cav4bX_rms vs run
χ^2 / ndf 4.851e+04 / 51
p0 3.767 ± 0.003809
10
9
8
7
6
5
4
3
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

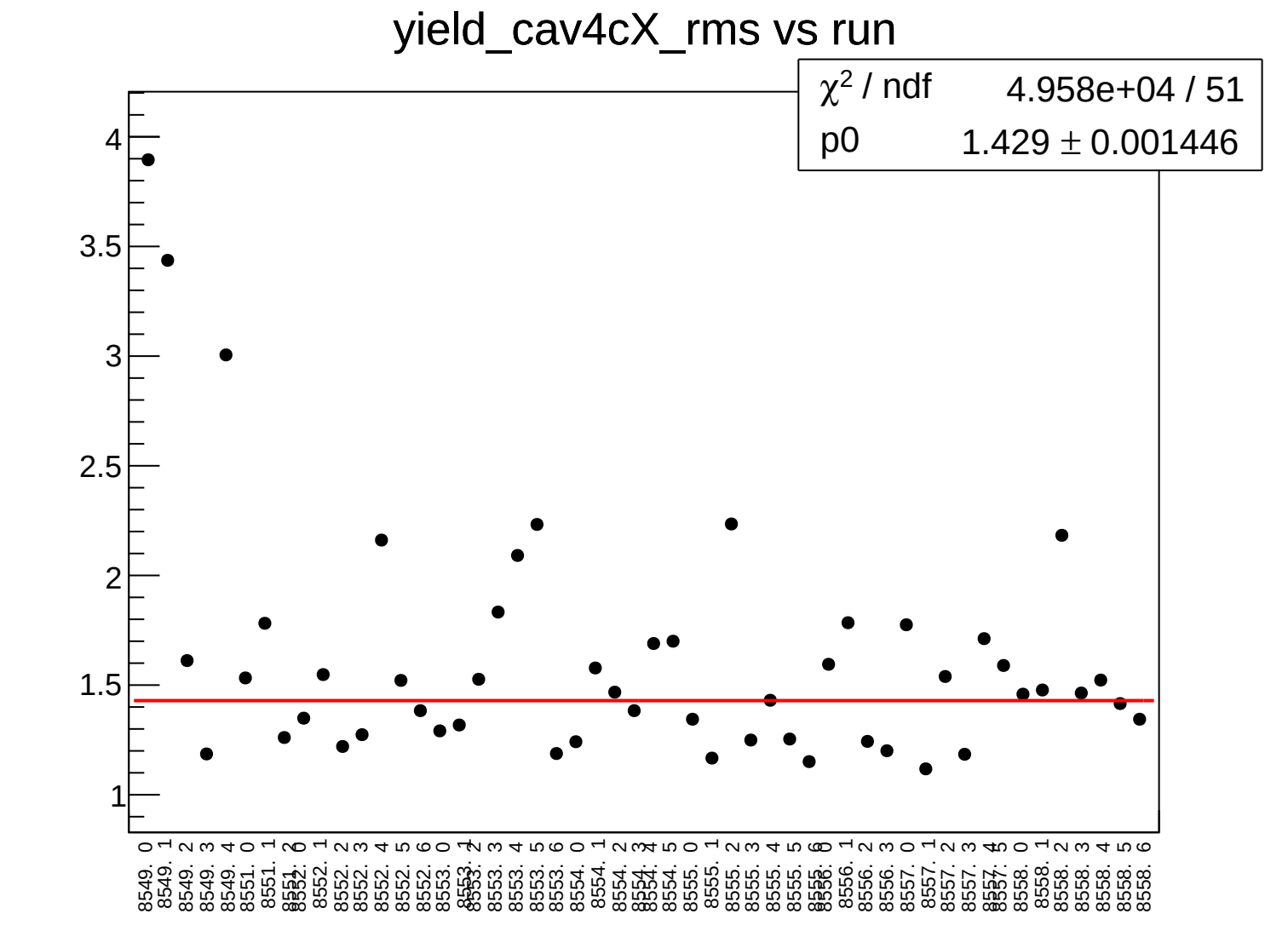

yield_cav4bY_mean vs run
χ² / ndf 3.912e+05 / 51
p0 −66.11 ± 0.001578
pull
Entries 52
Mean 45.11
Std Dev 0

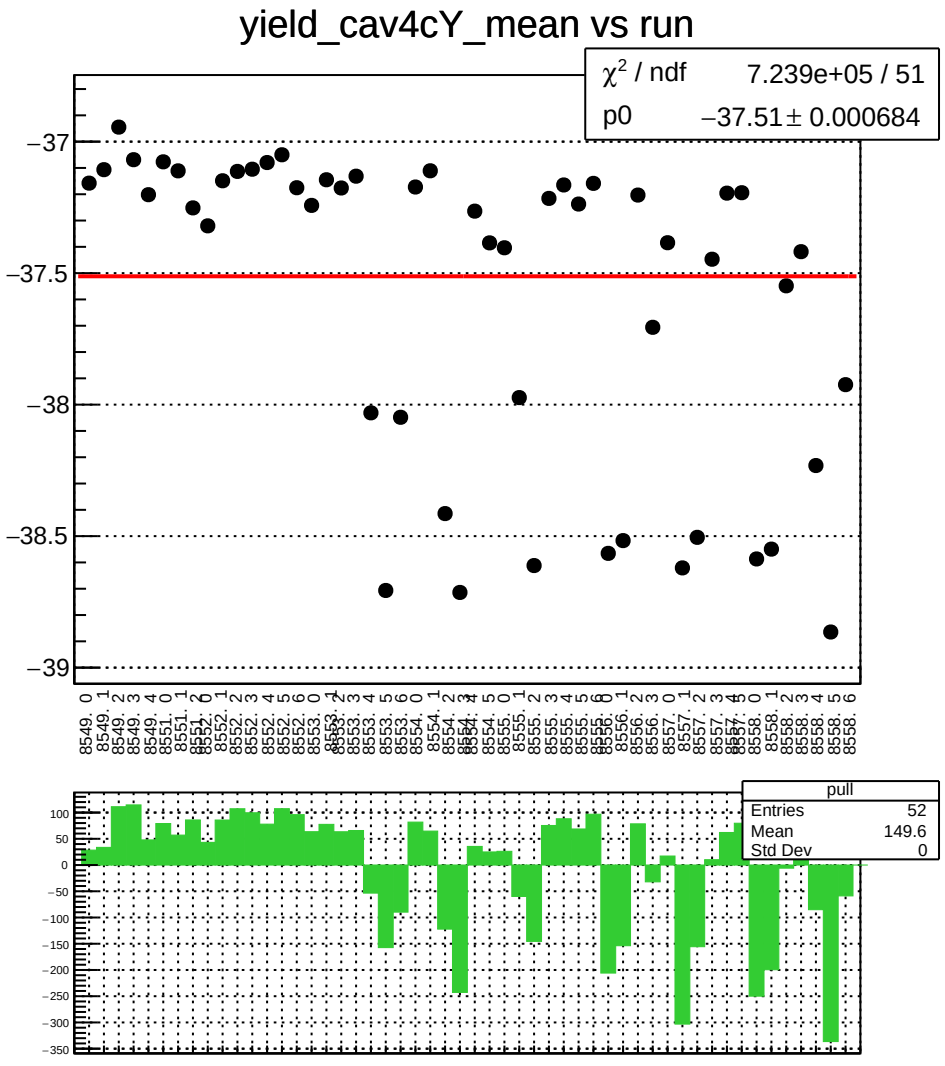

pull1D
Entries 52
Mean 1.777
Std Dev 2.002

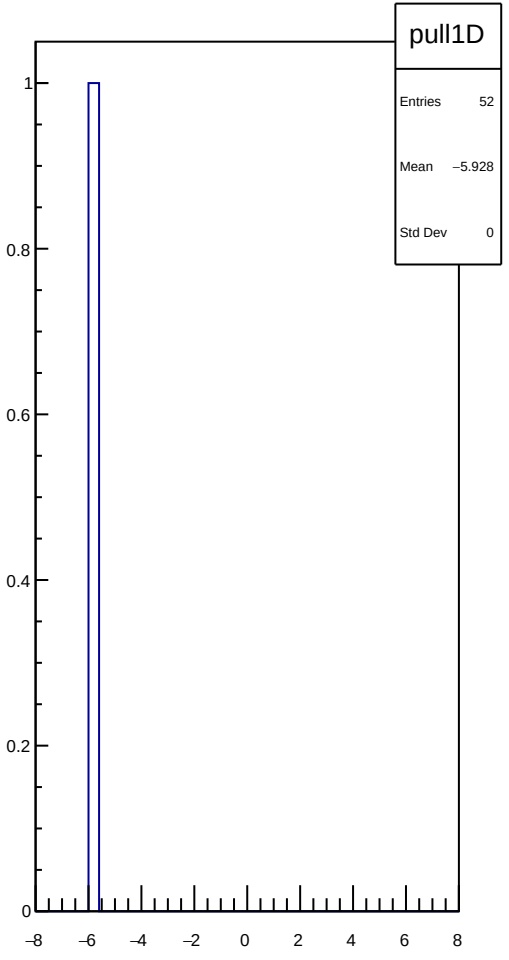

yield_cav4bY_rms vs run
χ² / ndf 1.178e+05 / 51
p0 1.064 ± 0.001116
3.5
3
2.5
2
1.5
1
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 5
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

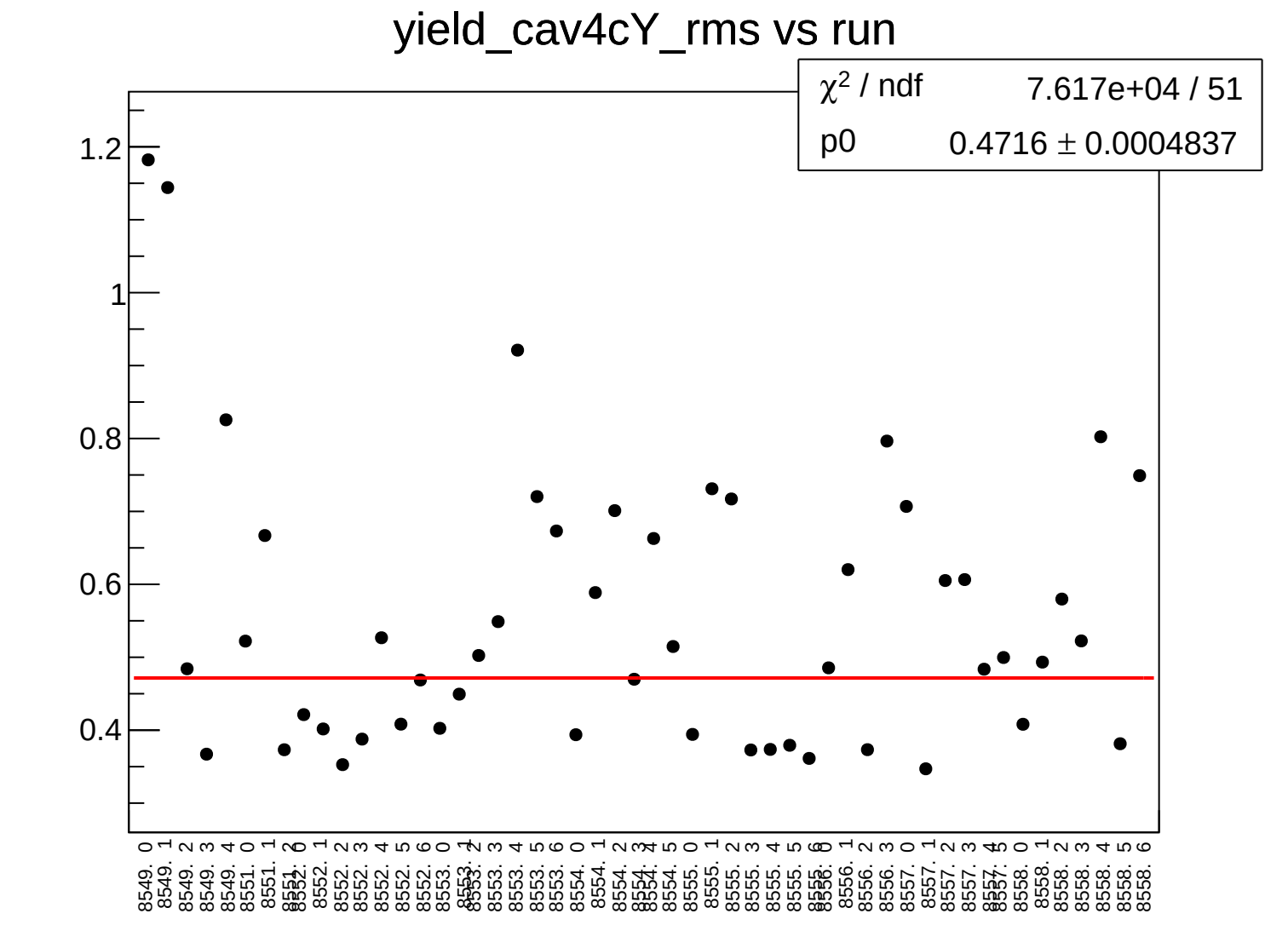

yield_cav4cX_mean vs run
χ² / ndf 8913 / 51
p0 0.534 ± 0.002045
pull
Entries 52
Mean −235.9
Std Dev 0

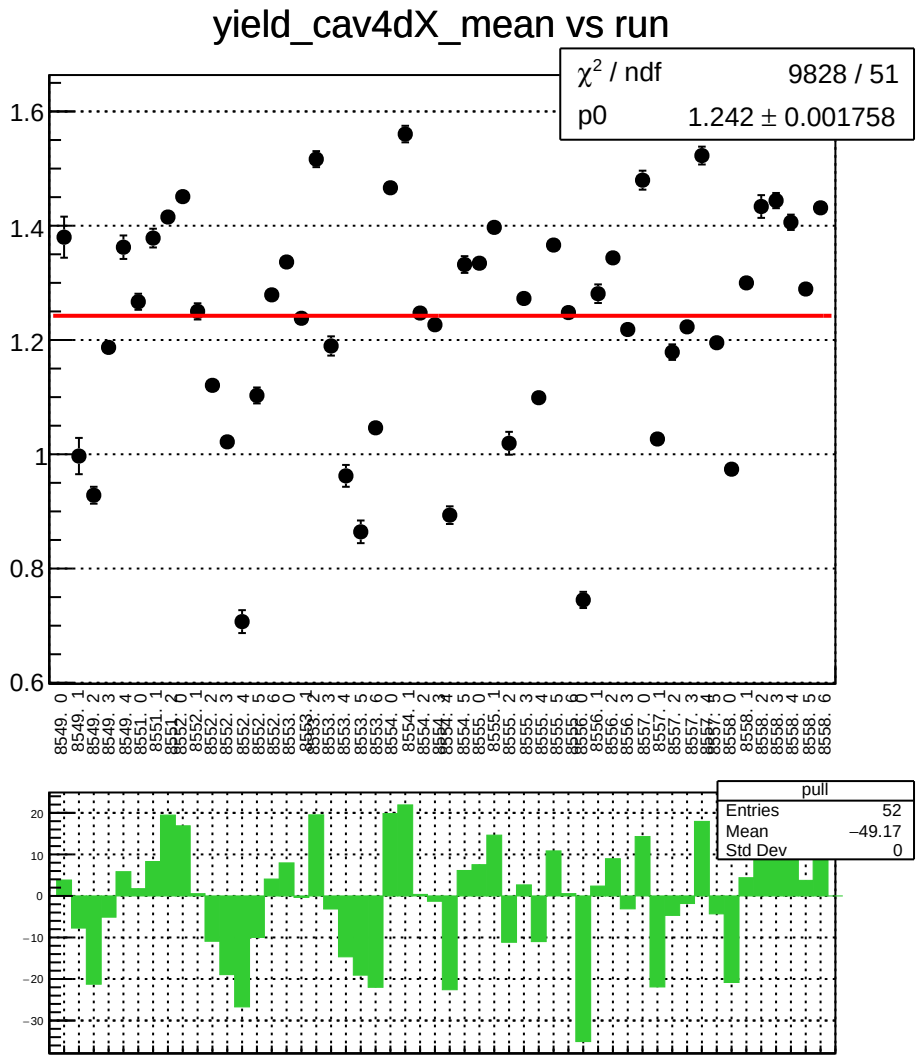

pull1D
Entries 52
Mean −0.3675
Std Dev 4.767

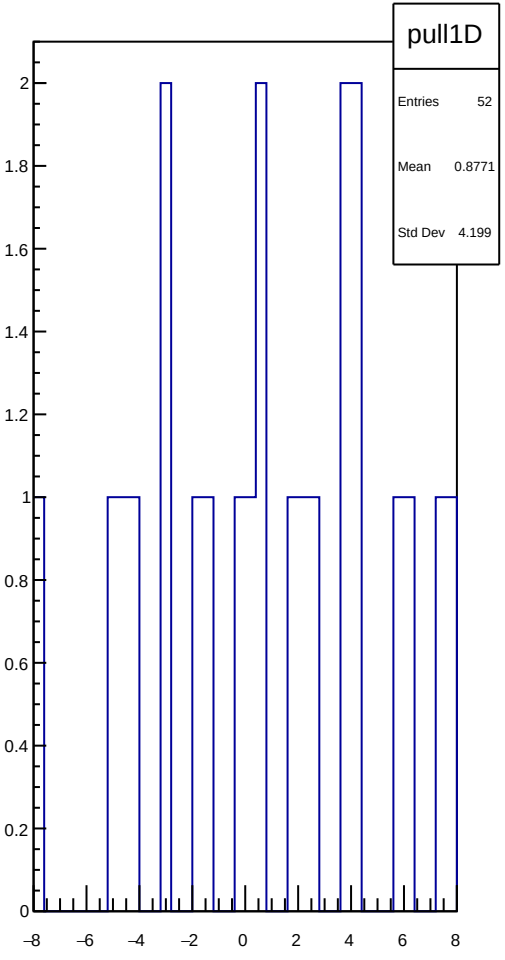

yield_cav4cX_rms vs run
χ^2 / ndf 4.958e+04 / 51
p0 1.429 ± 0.001446
4
3.5
3
2.5
2
1.5
1
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 5
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

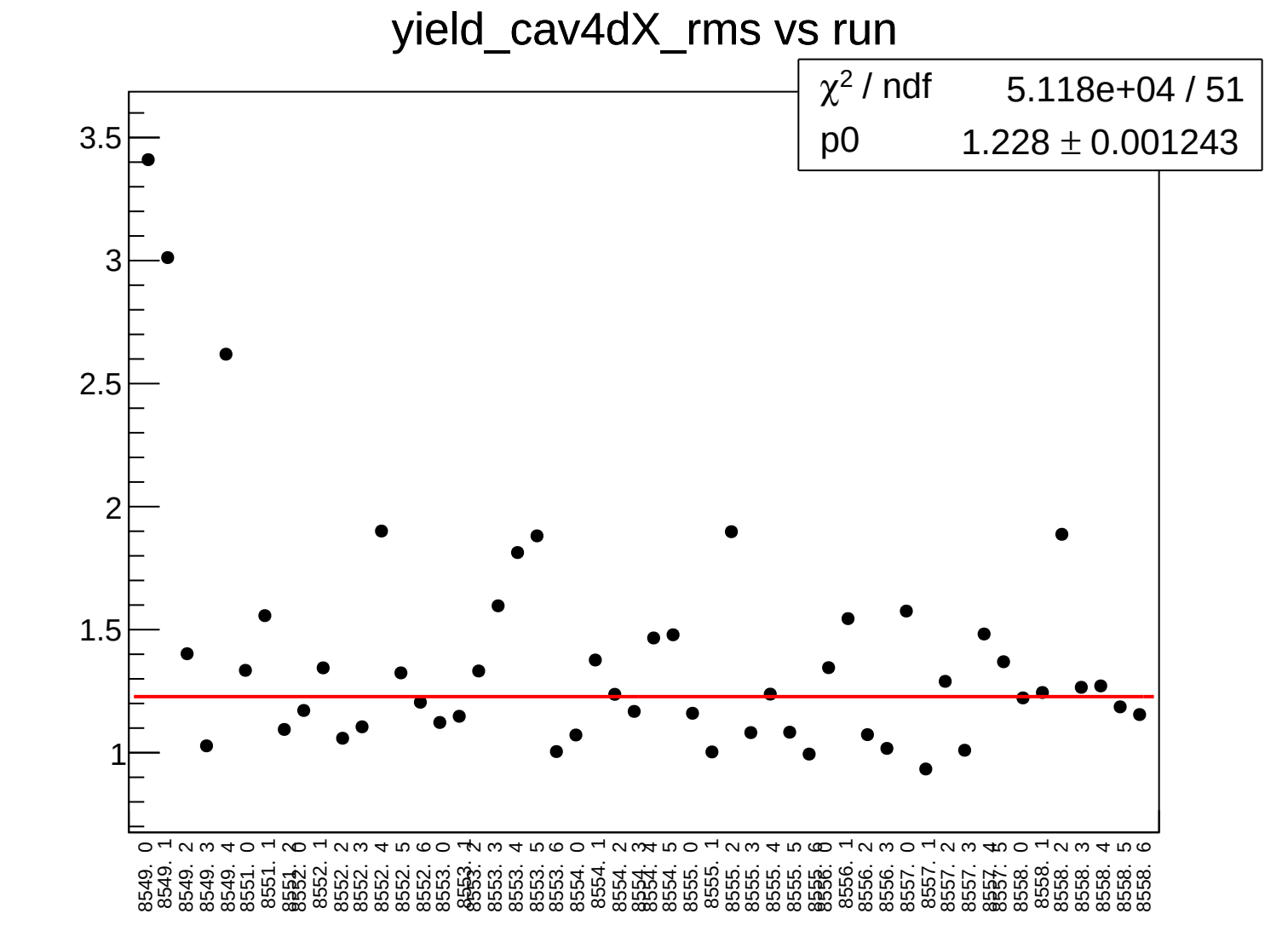

yield_cav4cY_mean vs run
χ² / ndf 7.239e+05 / 51
p0 −37.51 ± 0.000684
−37
−37.5
−38
−38.5
−39
pull
Entries 52
Mean 149.6
Std Dev 0
100
50
0
−50
−100
−150
−200
−250
−300
−350

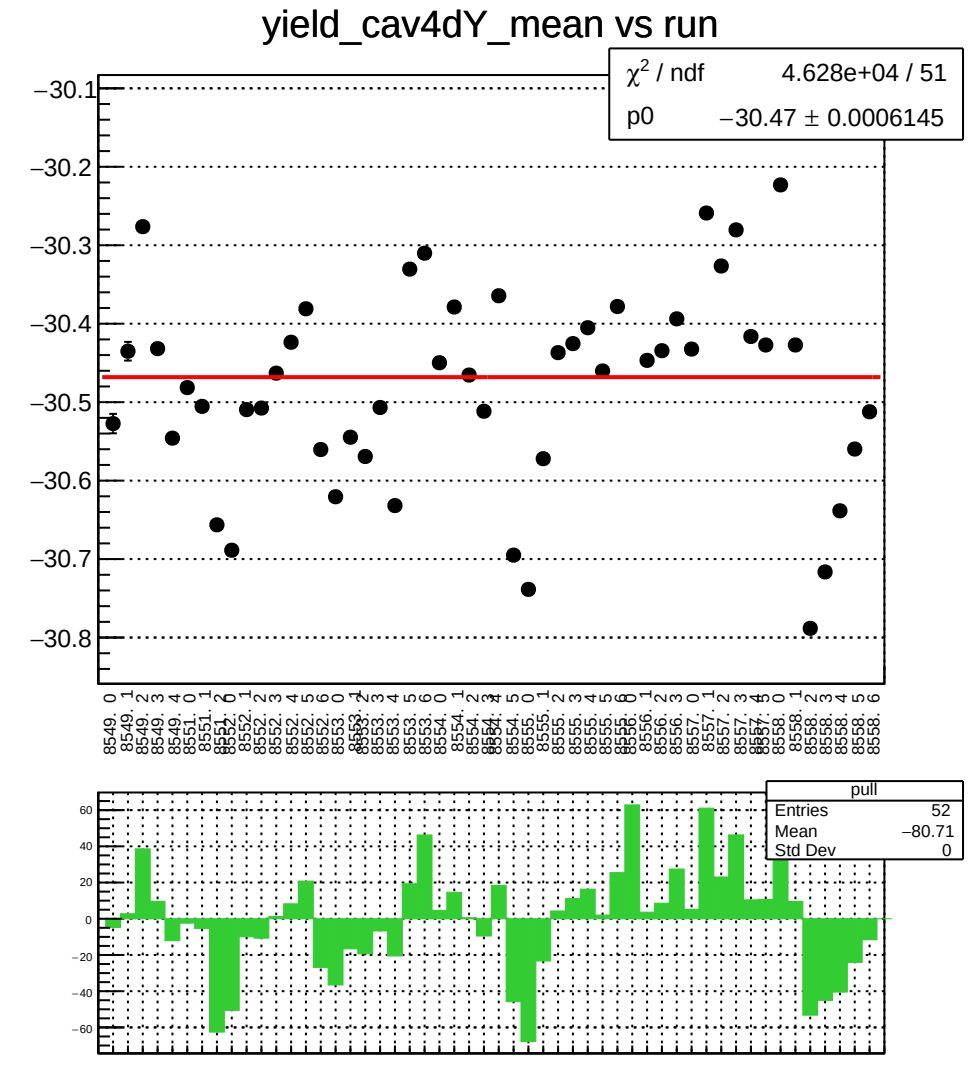

pull1D
Entries 52
Mean −5.928
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

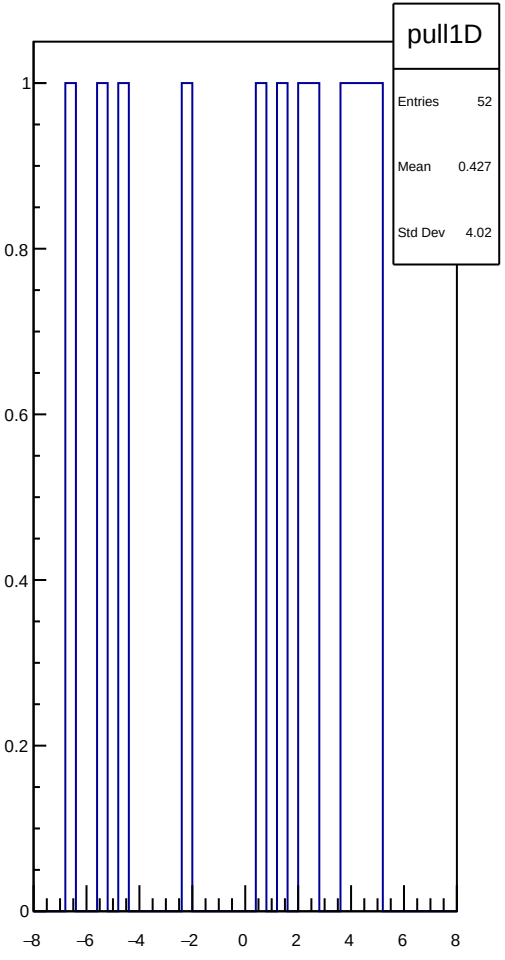

yield_cav4cY_rms vs run
χ² / ndf 7.617e+04 / 51
p0 0.4716 ± 0.0004837
1.2
1
0.8
0.6
0.4
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 5
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

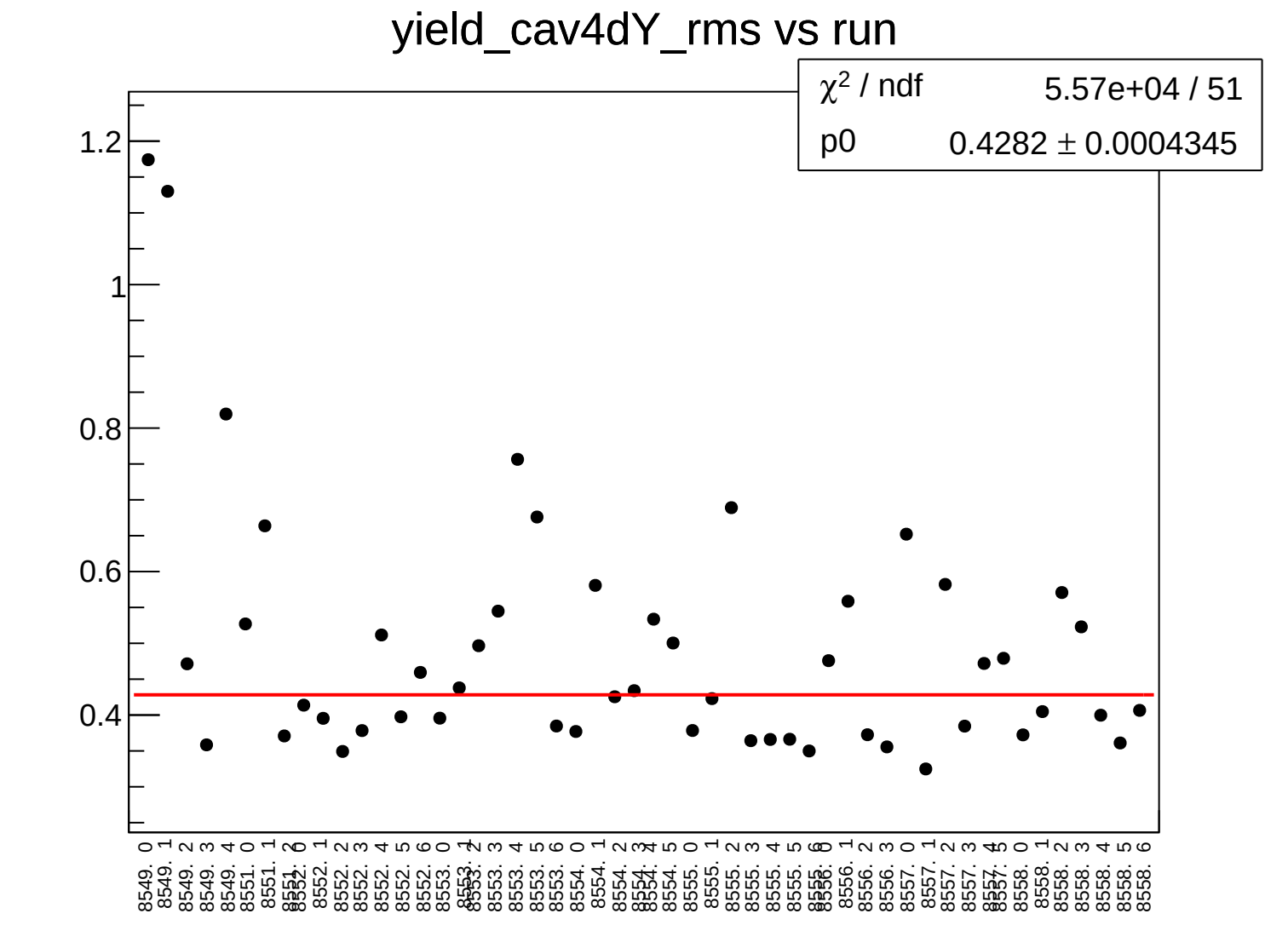

yield_cav4dX_mean vs run
χ² / ndf 9828 / 51
p0 1.242 ± 0.001758
pull
Entries 52
Mean −49.17
Std Dev 0

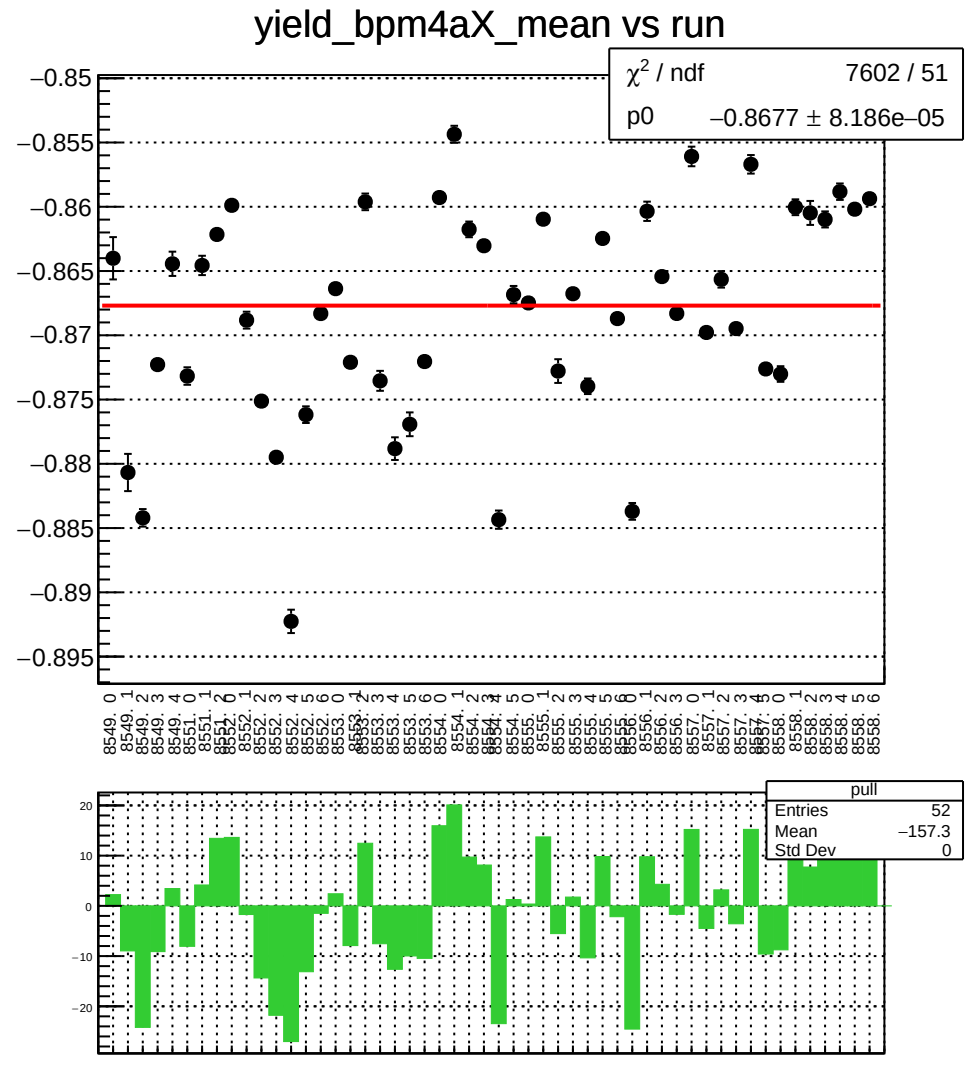

pull1D
Entries 52
Mean 0.8771
Std Dev 4.199

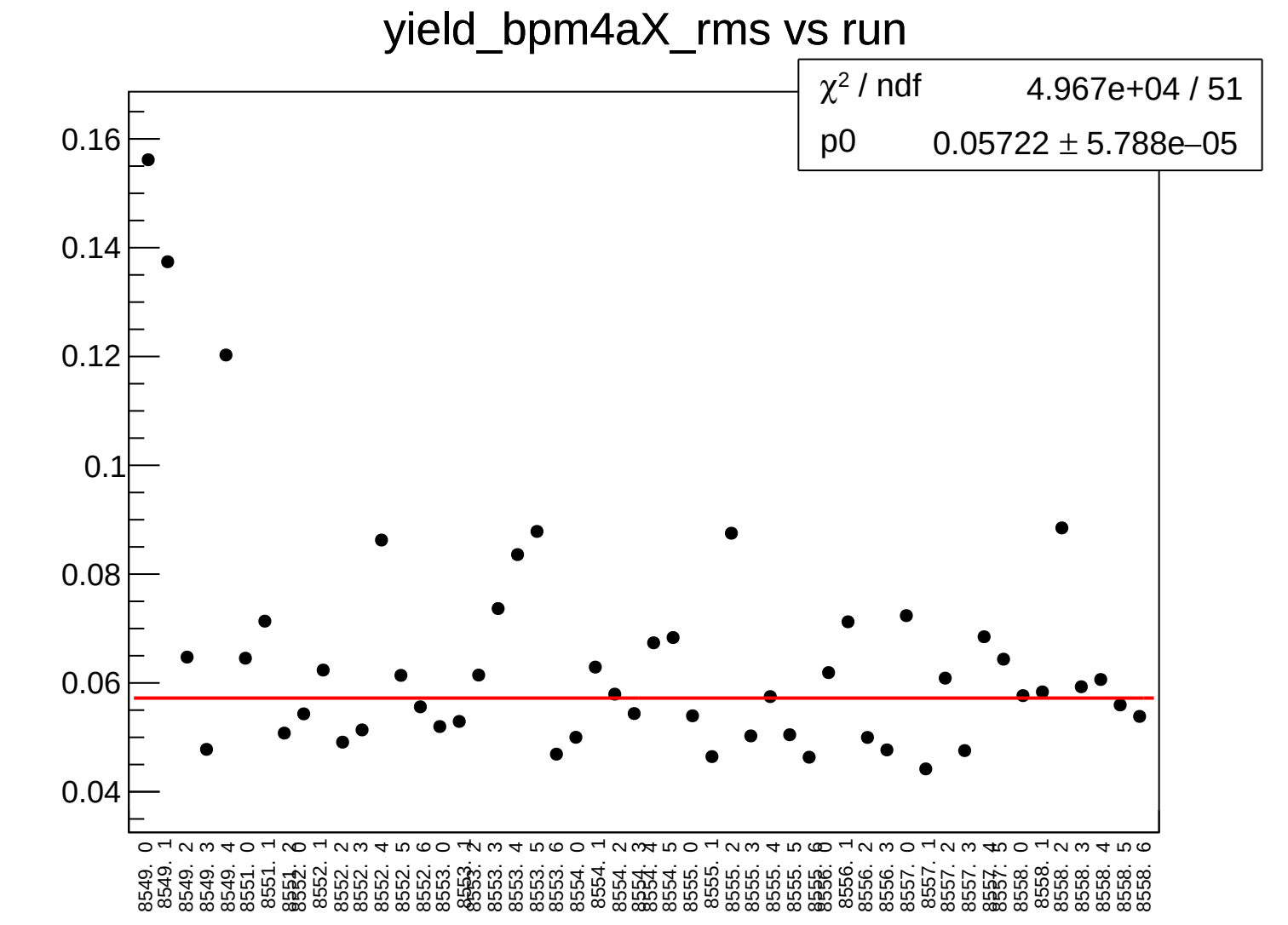

yield_cav4dX_rms vs run
χ^2 / ndf 5.118e+04 / 51
p0 1.228 ± 0.001243
3.5
3
2.5
2
1.5
1
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 5
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

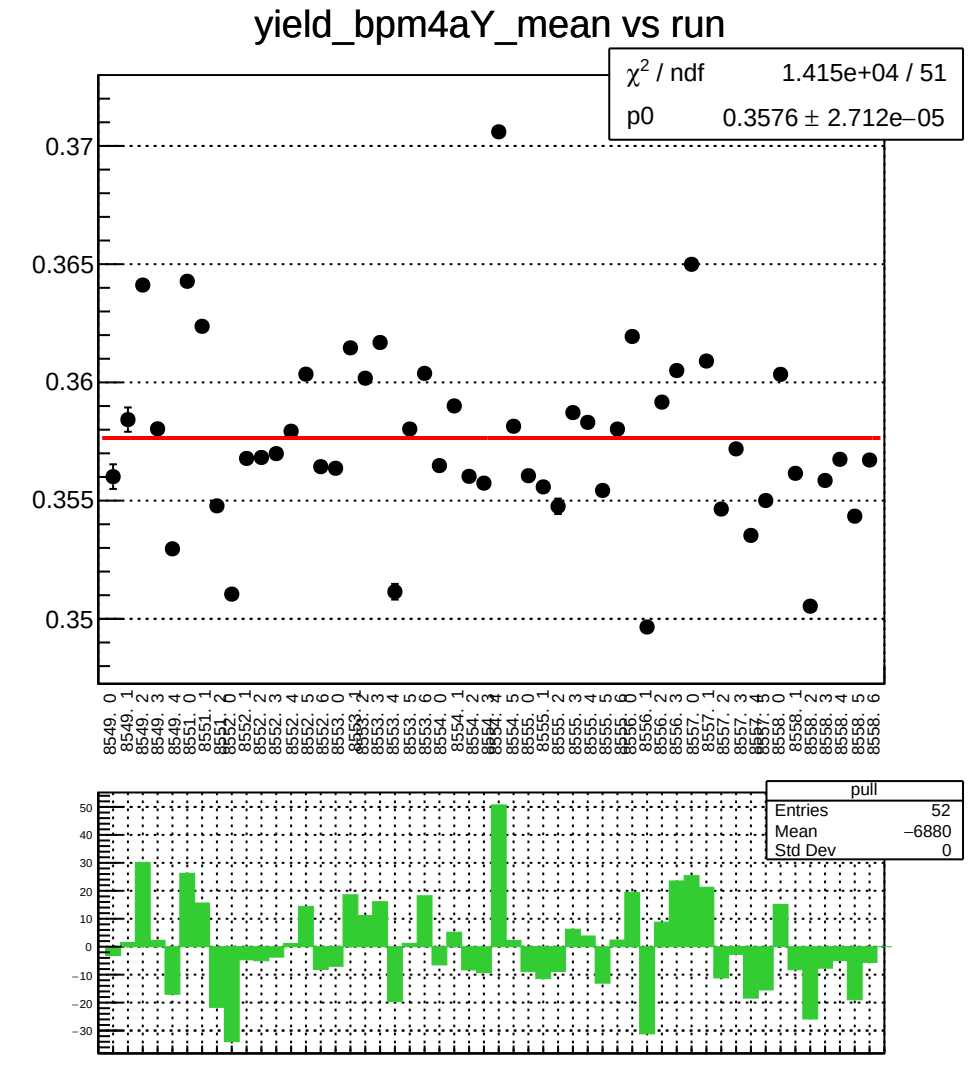

yield_cav4dY_mean vs run
χ² / ndf 4.628e+04 / 51
p0 −30.47 ± 0.0006145
pull
Entries 52
Mean −80.71
Std Dev 0

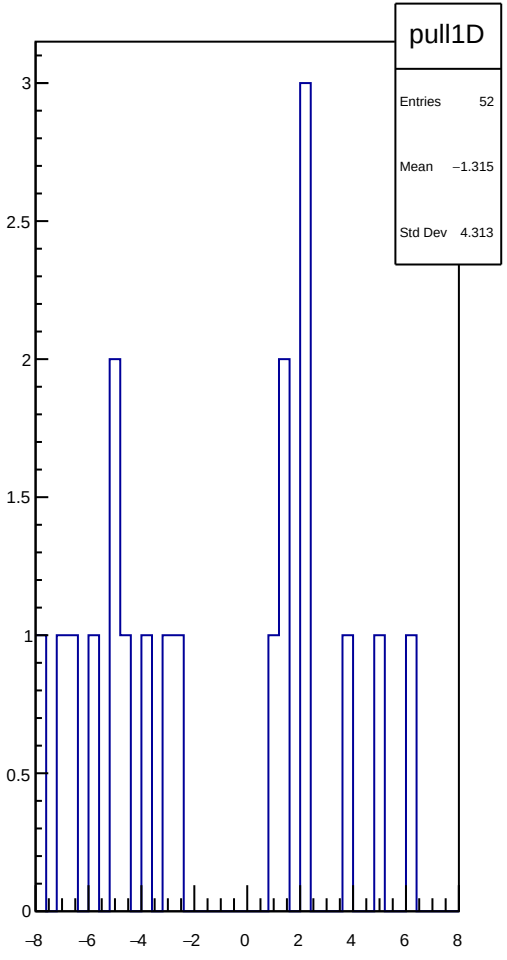

pull1D
Entries 52
Mean 0.427
Std Dev 4.02

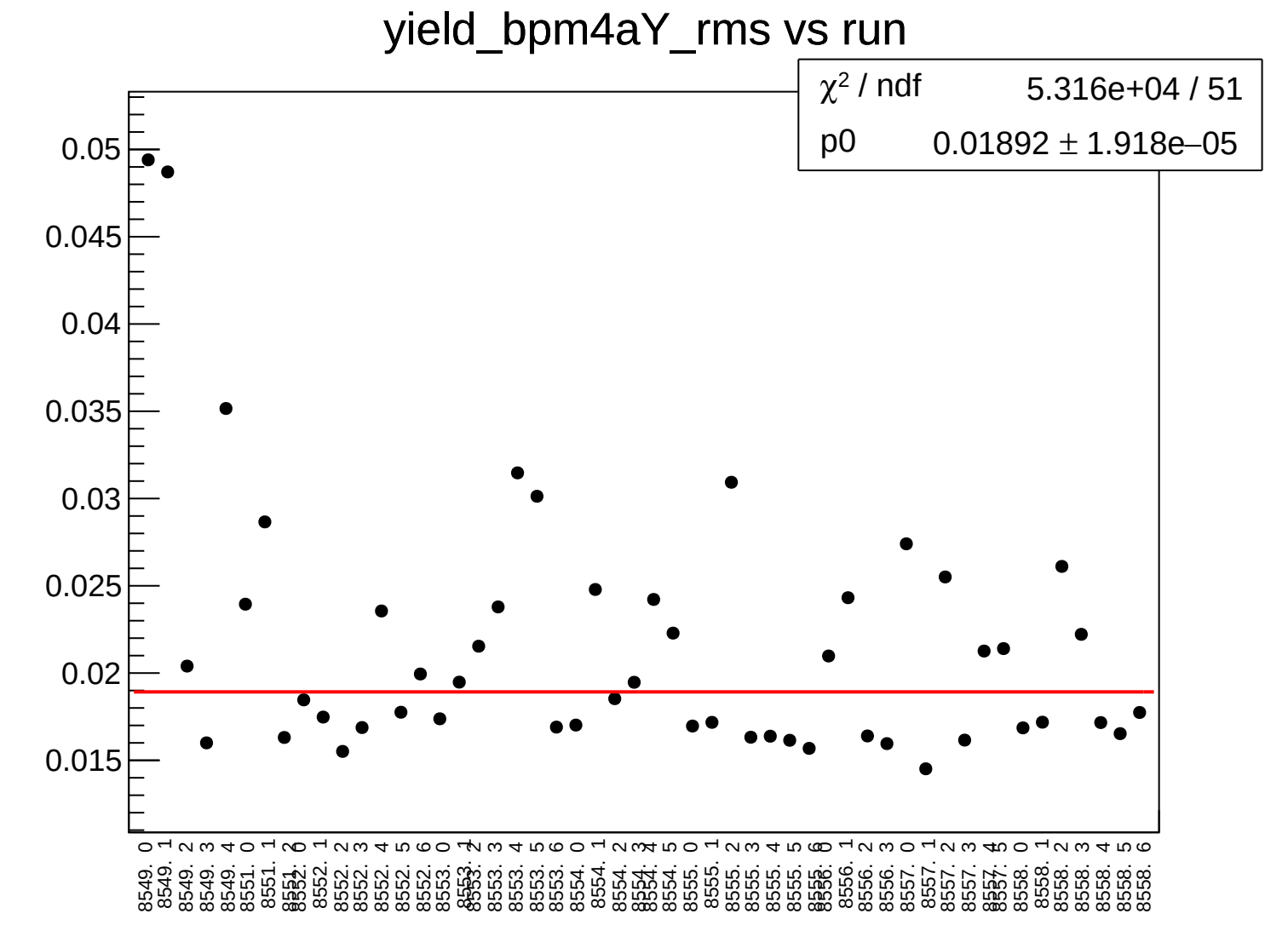

yield_cav4dY_rms vs run
χ² / ndf 5.57e+04 / 51
p0 0.4282 ± 0.0004345
1.2
1
0.8
0.6
0.4
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 5
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

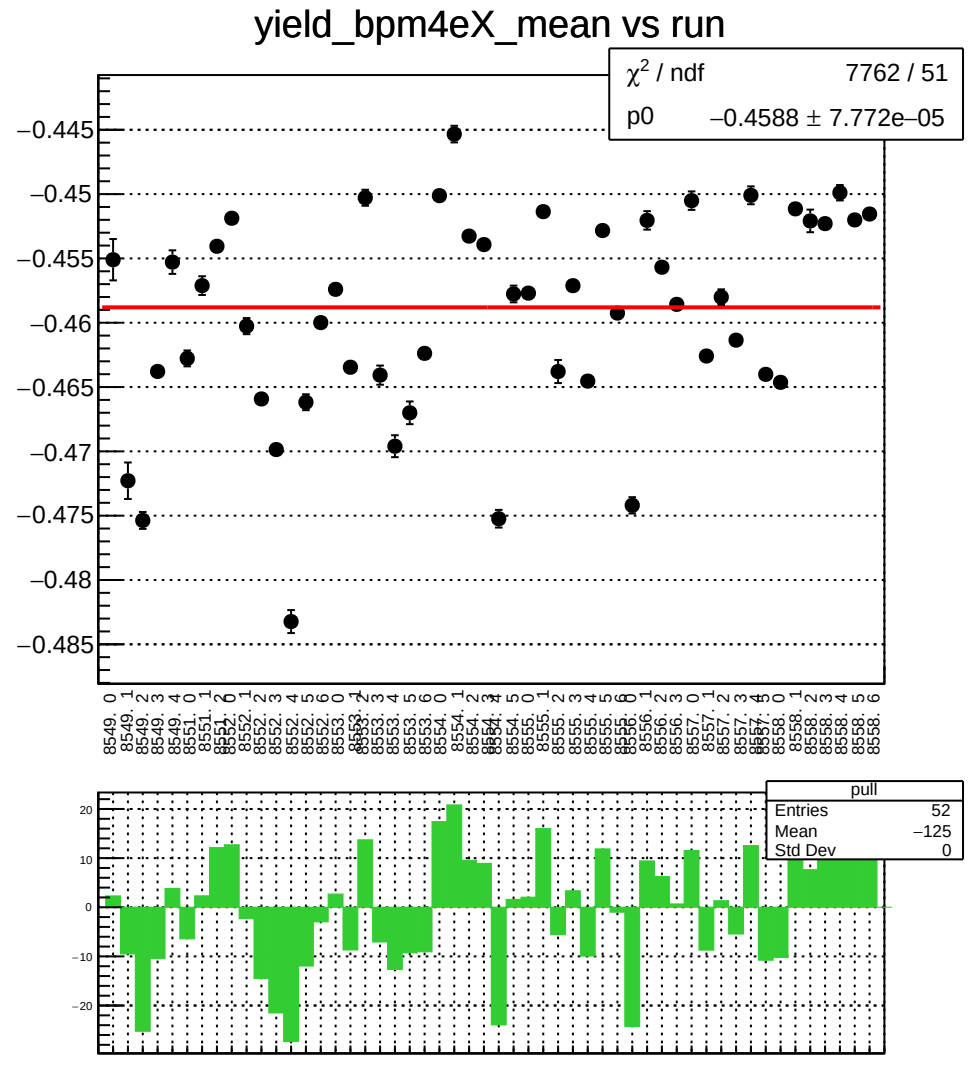

yield_bpm4aX_mean vs run
χ² / ndf 7602 / 51
p0 −0.8677 ± 8.186e−05
pull
Entries 52
Mean −157.3
Std Dev 0
pull1D
Entries 52
Mean −0.2747
Std Dev 4.147

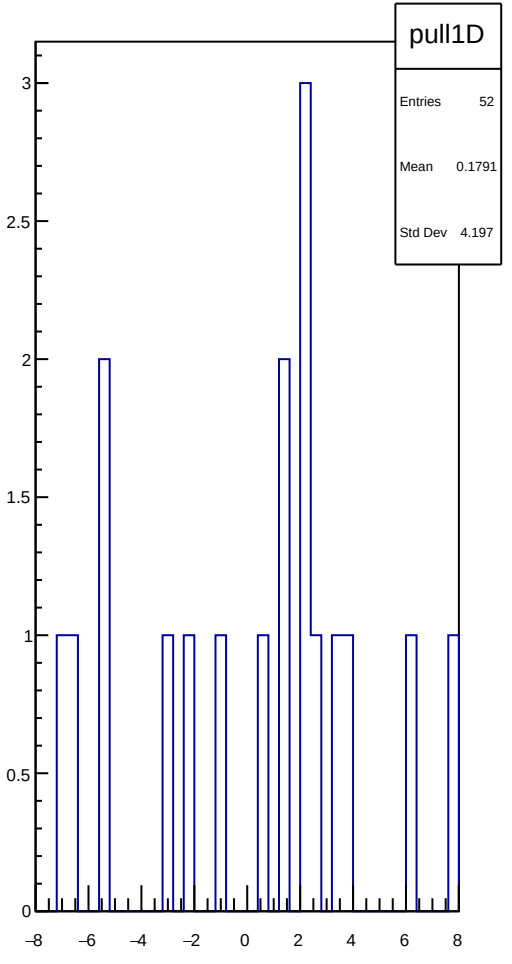

yield_bpm4aX_rms vs run
χ² / ndf 4.967e+04 / 51
p0 0.05722 ± 5.788e–05
0.16
0.14
0.12
0.1
0.08
0.06
0.04
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 5
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

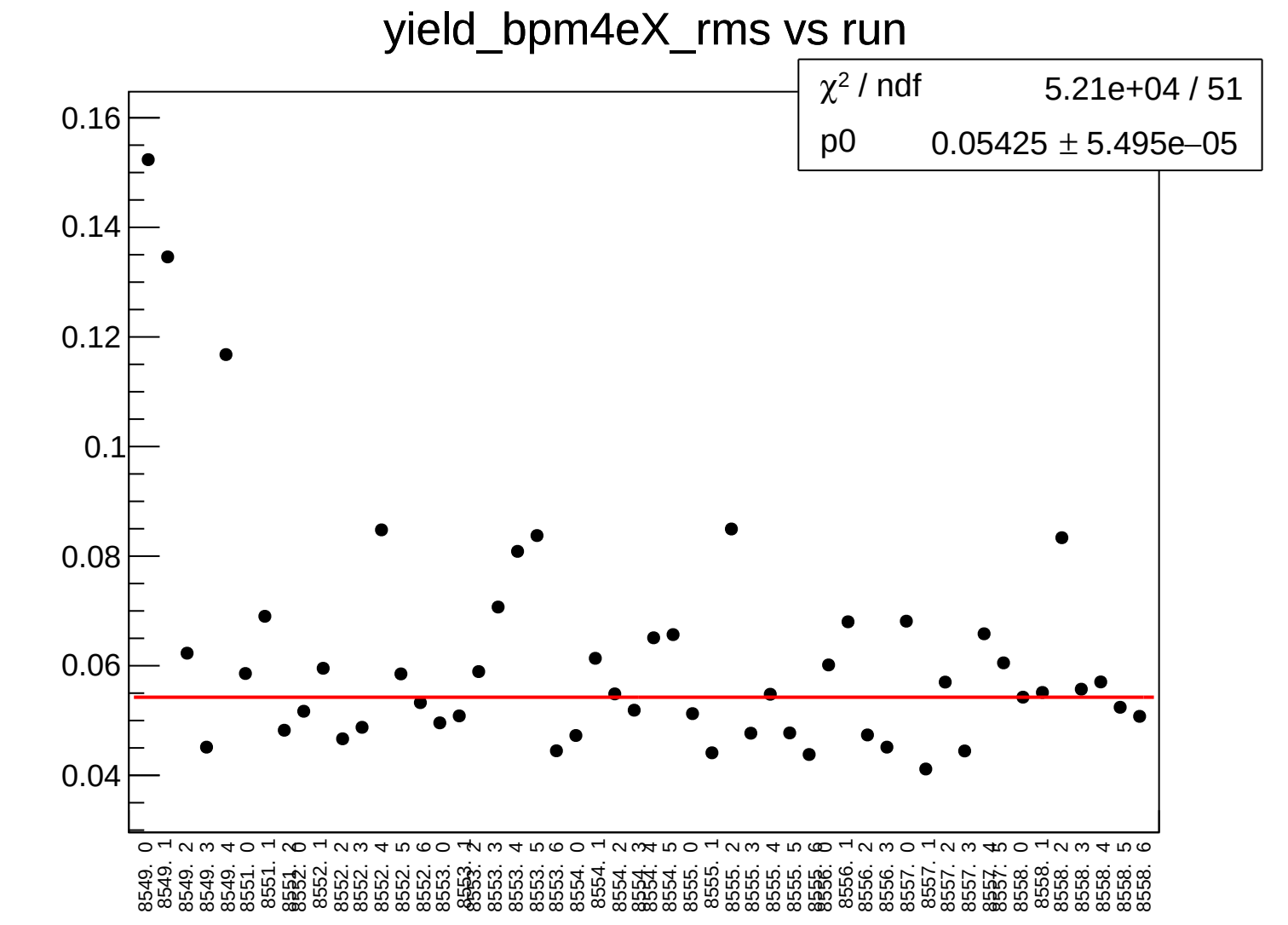

yield_bpm4aY_mean vs run
χ² / ndf 1.415e+04 / 51
p0 0.3576 ± 2.712e−05
0.37
0.365
0.36
0.355
0.35
pull
Entries 52
Mean −6880
Std Dev 0
50
40
30
20
10
0
−10
−20
−30

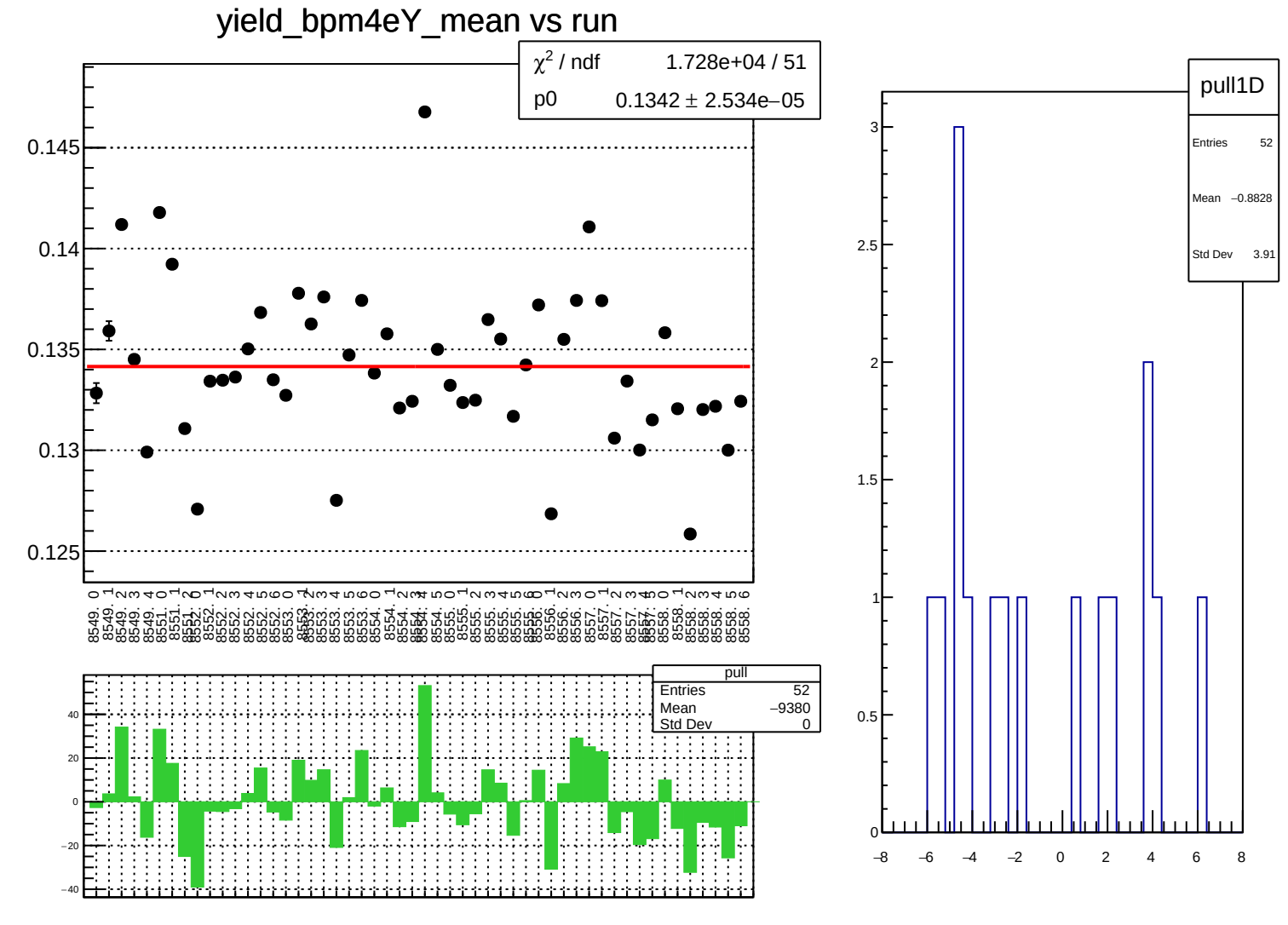

pull1D
Entries 52
Mean −1.315
Std Dev 4.313
3
2.5
2
1.5
1
0.5
0
−8
−6
−4
−2
0
2
4
6
8

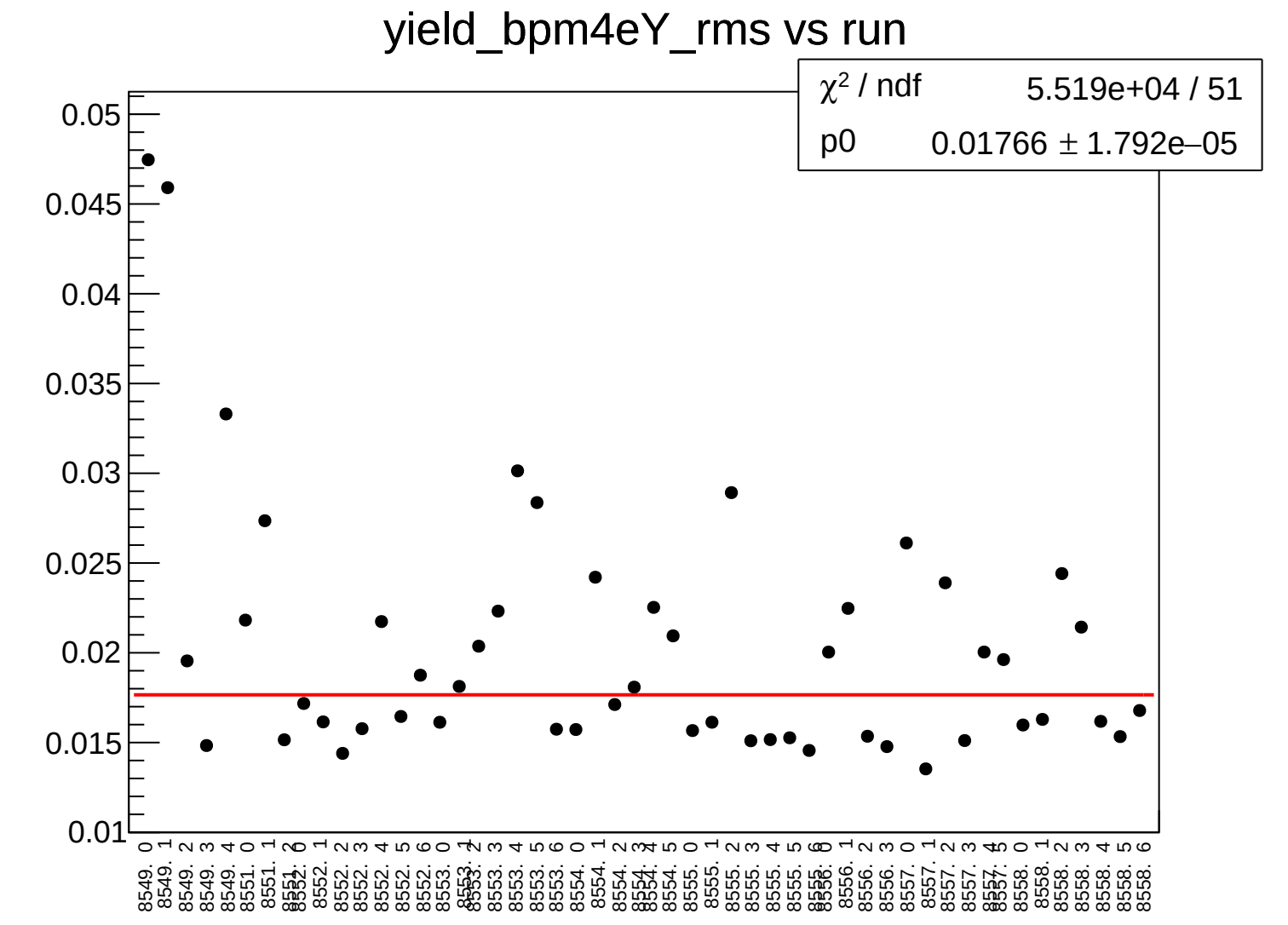

yield_bpm4aY_rms vs run
χ² / ndf 5.316e+04 / 51
p0 0.01892 ± 1.918e−05
0.05
0.045
0.04
0.035
0.03
0.025
0.02
0.015
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 5
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6


yield_bpm4eX_mean vs run
χ² / ndf 7762 / 51
p0 −0.4588 ± 7.772e−05
−0.445
−0.45
−0.455
−0.46
−0.465
−0.47
−0.475
−0.48
−0.485
pull
Entries 52
Mean −125
Std Dev 0
20
10
0
−10
−20


pull1D
Entries 52
Mean 0.1791
Std Dev 4.197
3
2.5
2
1.5
1
0.5
0
−8
−6
−4
−2
0
2
4
6
8


yield_bpm4eX_rms vs run
χ² / ndf 5.21e+04 / 51
p0 0.05425 ± 5.495e−05
0.16
0.14
0.12
0.1
0.08
0.06
0.04
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 5
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6


yield_bpm4eY_mean vs run
χ² / ndf 1.728e+04 / 51
p0 0.1342 ± 2.534e−05
0.145
0.14
0.135
0.13
0.125
pull
Entries 52
Mean −9380
Std Dev 0
40
20
0
−20
−40
pull1D
Entries 52
Mean −0.8828
Std Dev 3.91
3
2.5
2
1.5
1
0.5
0
−8
−6
−4
−2
0
2
4
6
8


yield_bpm4eY_rms vs run
χ² / ndf 5.519e+04 / 51
p0 0.01766 ± 1.792e–05
0.05
0.045
0.04
0.035
0.03
0.025
0.02
0.015
0.01
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 5
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
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8556. 2
8556. 3
8557. 0
8557. 1
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8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
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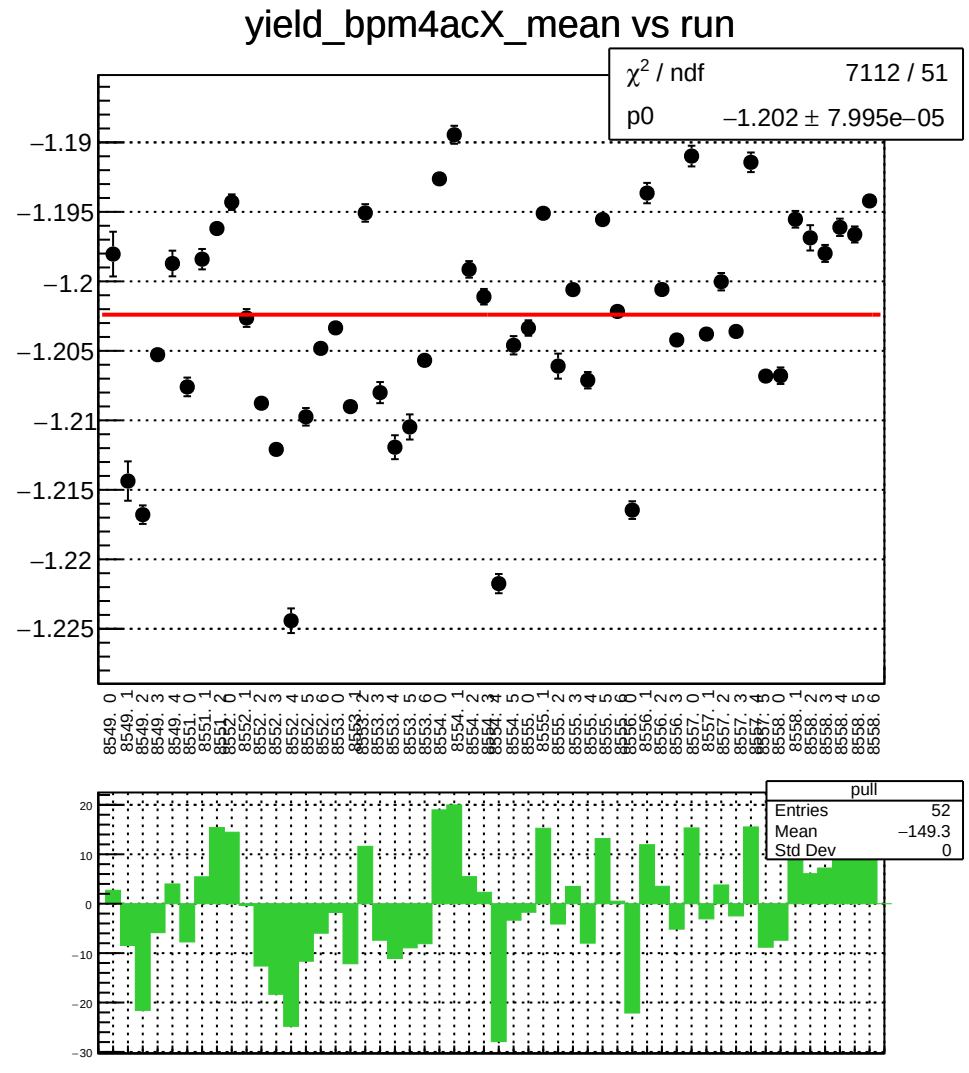
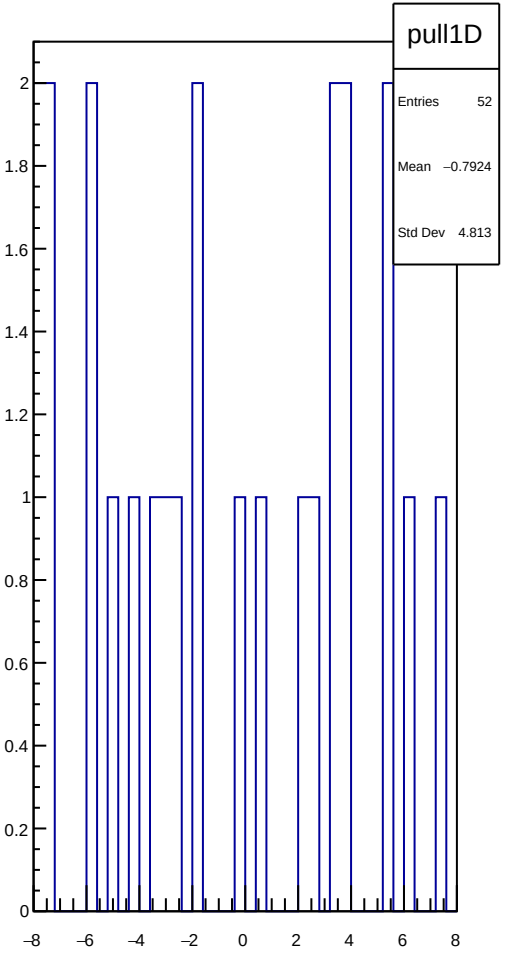
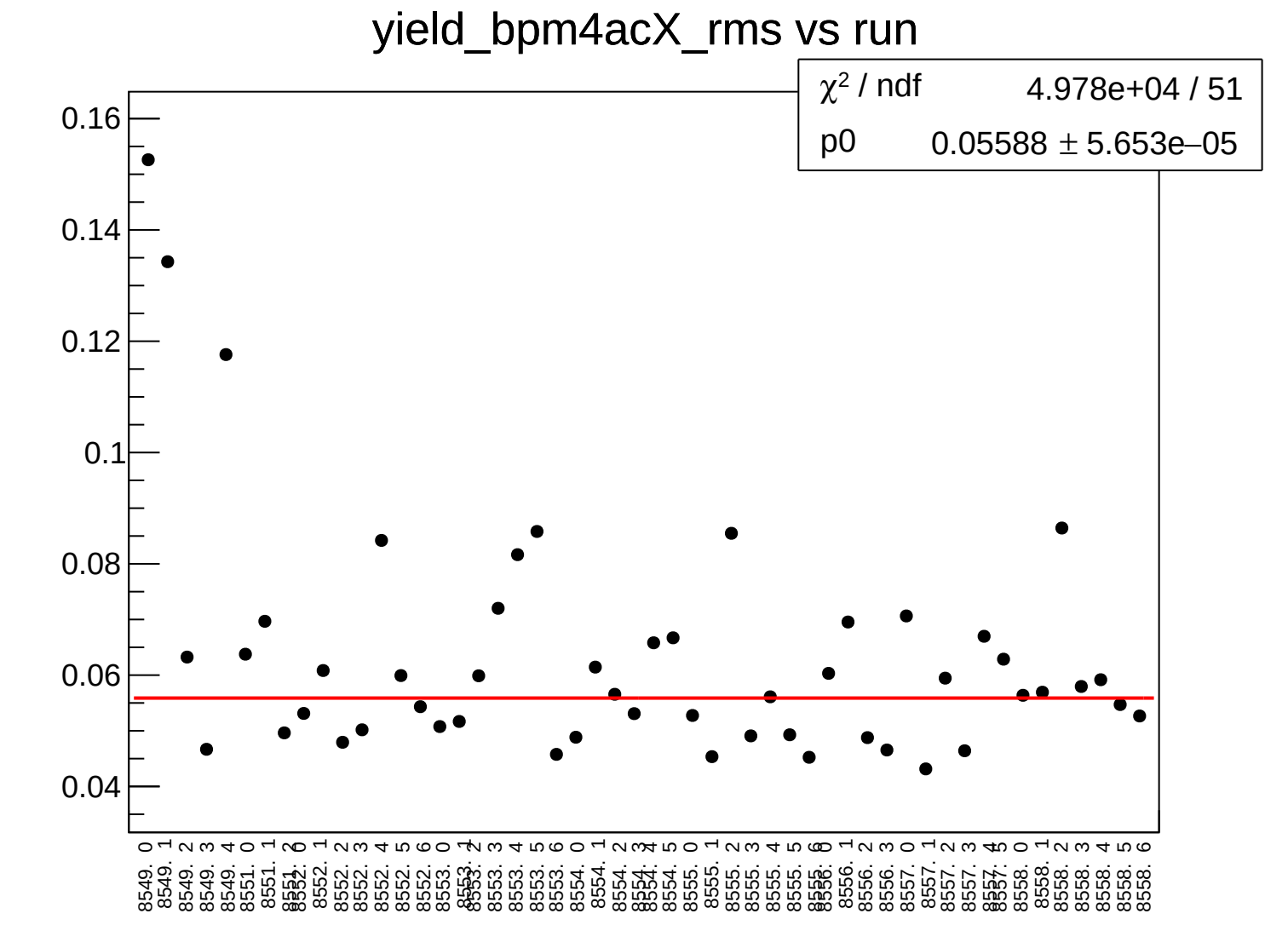
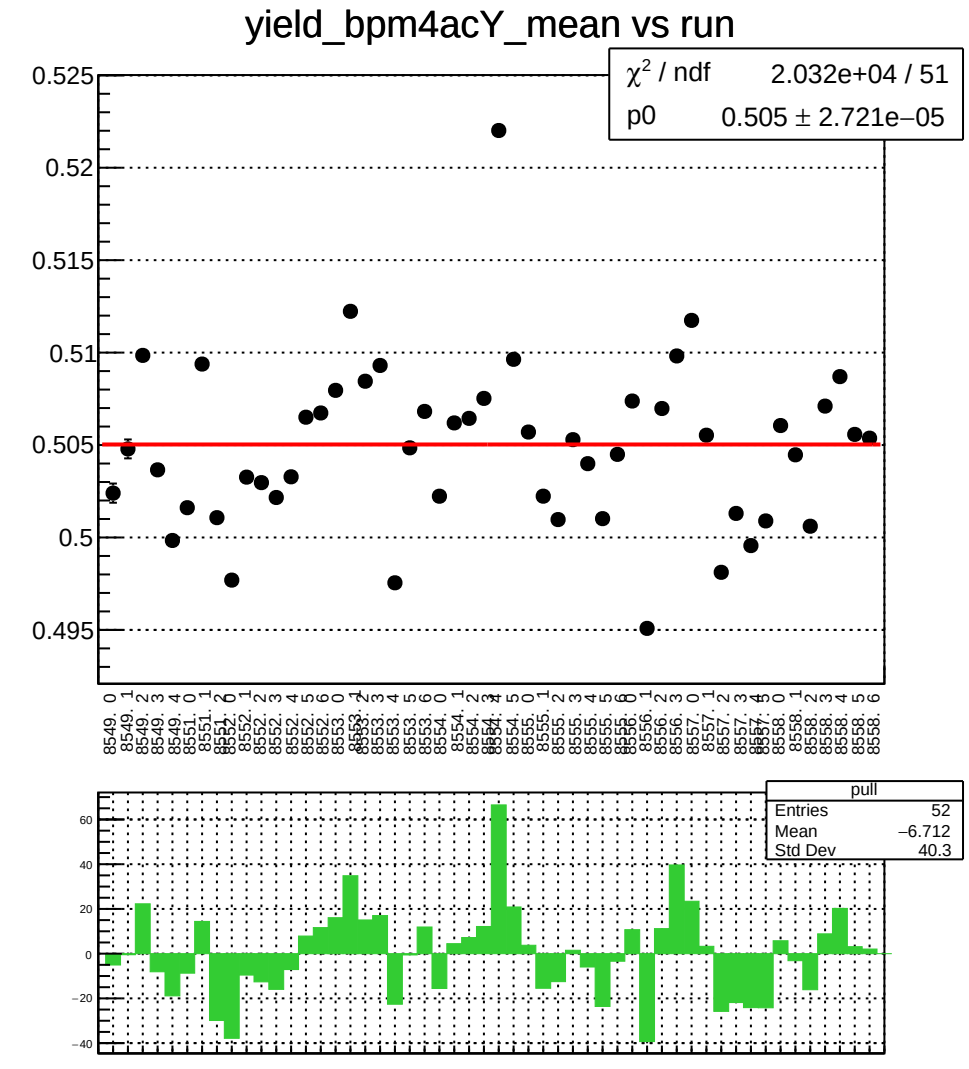
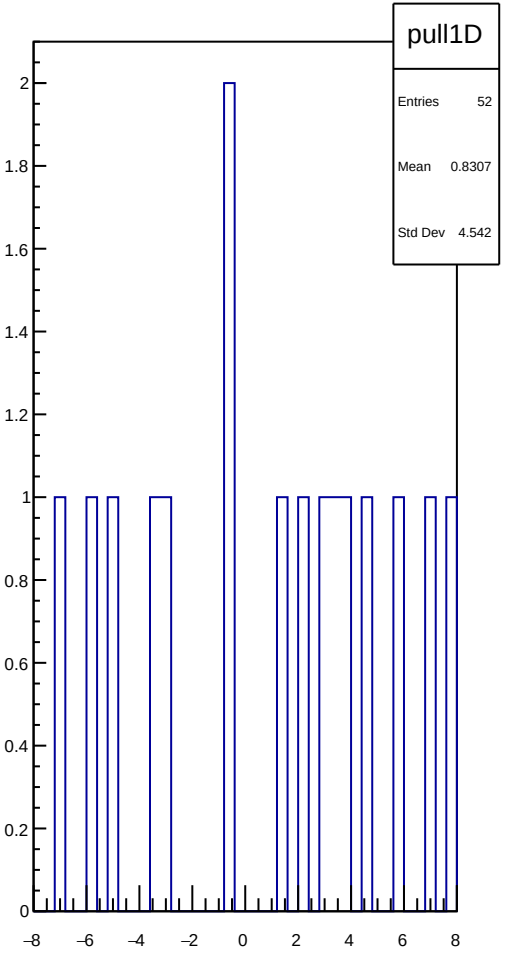
8558. 5
8558. 6

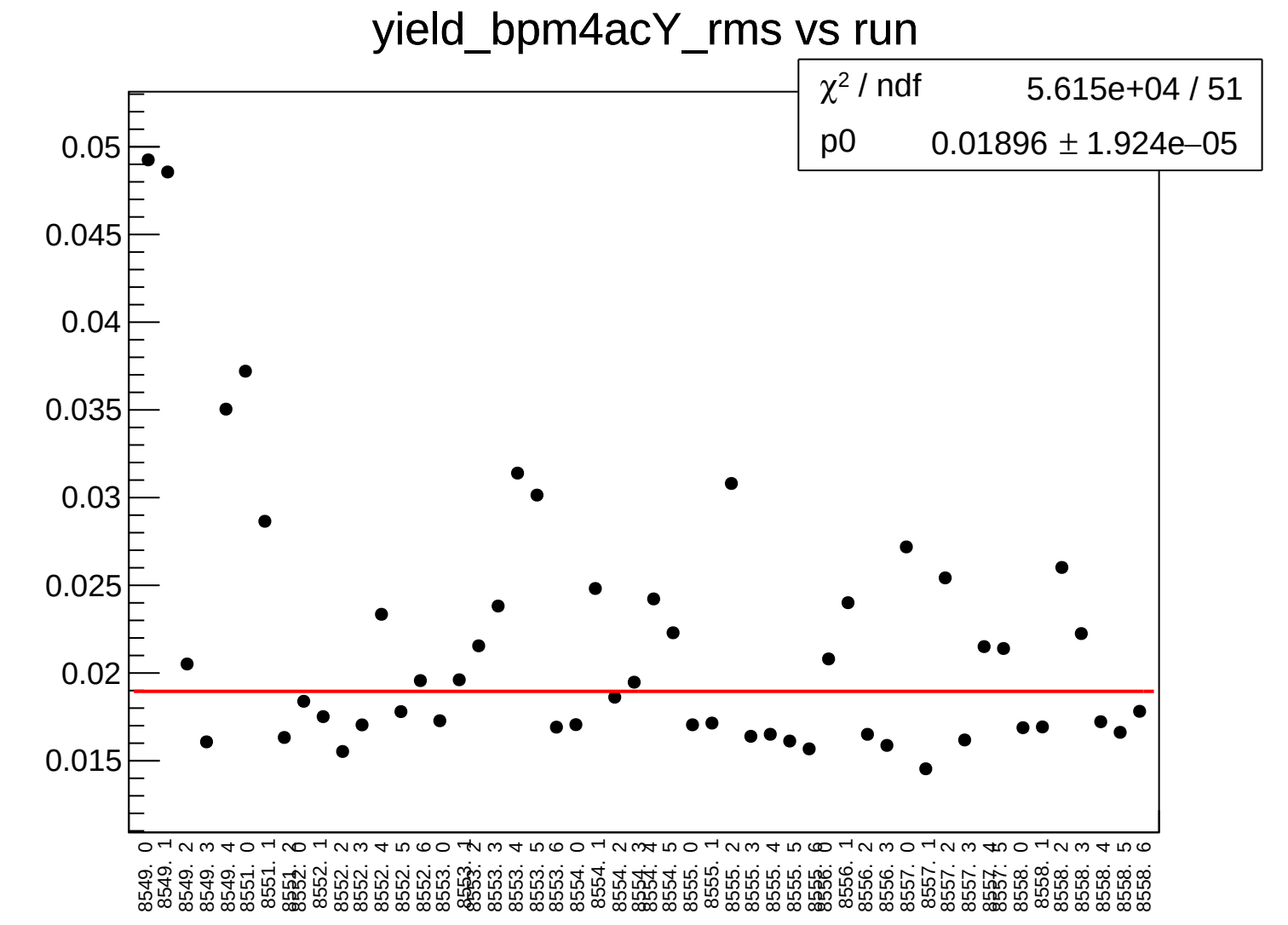

yield_bpm4acX_mean vs run
χ² / ndf 7112 / 51
p0 −1.202 ± 7.995e−05
−1.19
−1.195
−1.2
−1.205
−1.21
−1.215
−1.22
−1.225
pull
Entries 52
Mean −149.3
Std Dev 0
20
10
0
−10
−20
−30

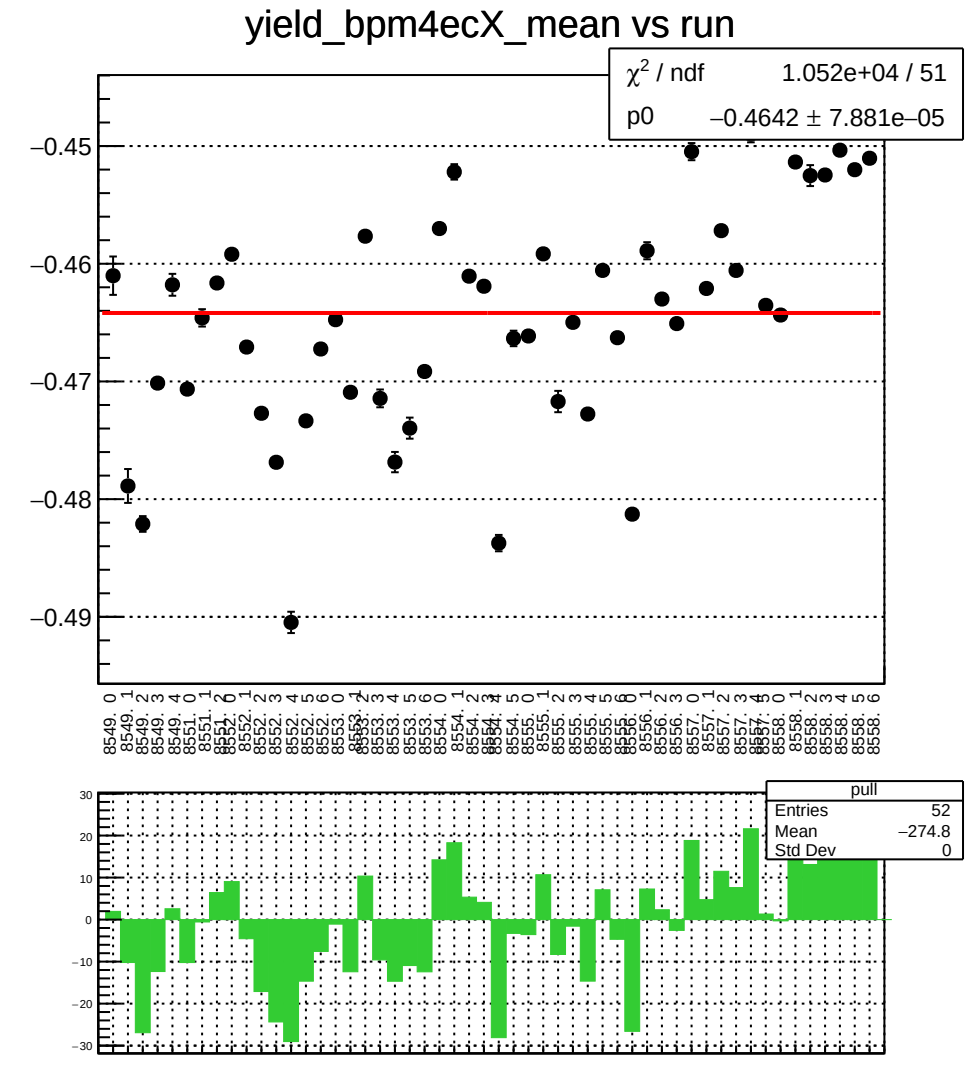

pull1D
Entries 52
Mean −0.7924
Std Dev 4.813
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

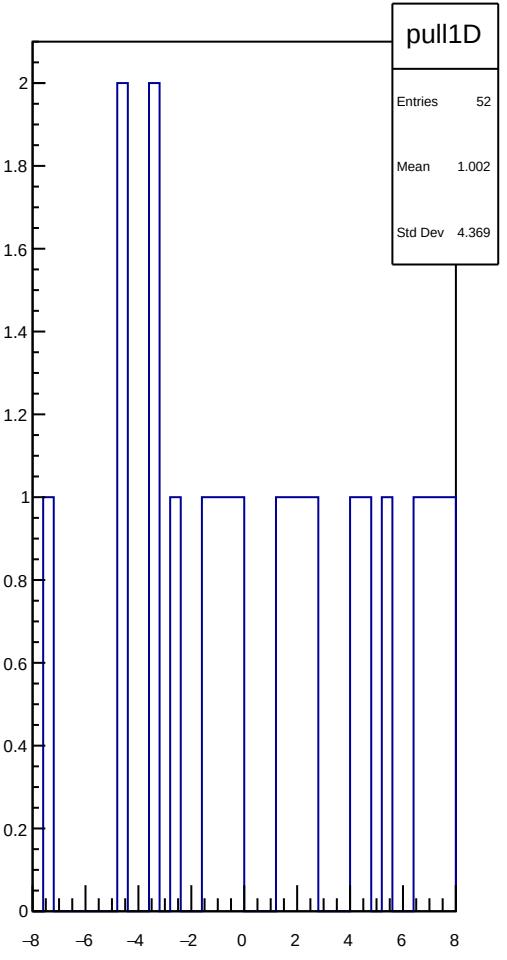

yield_bpm4acX_rms vs run
χ² / ndf 4.978e+04 / 51
p0 0.05588 ± 5.653e–05
0.16
0.14
0.12
0.1
0.08
0.06
0.04
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 5
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

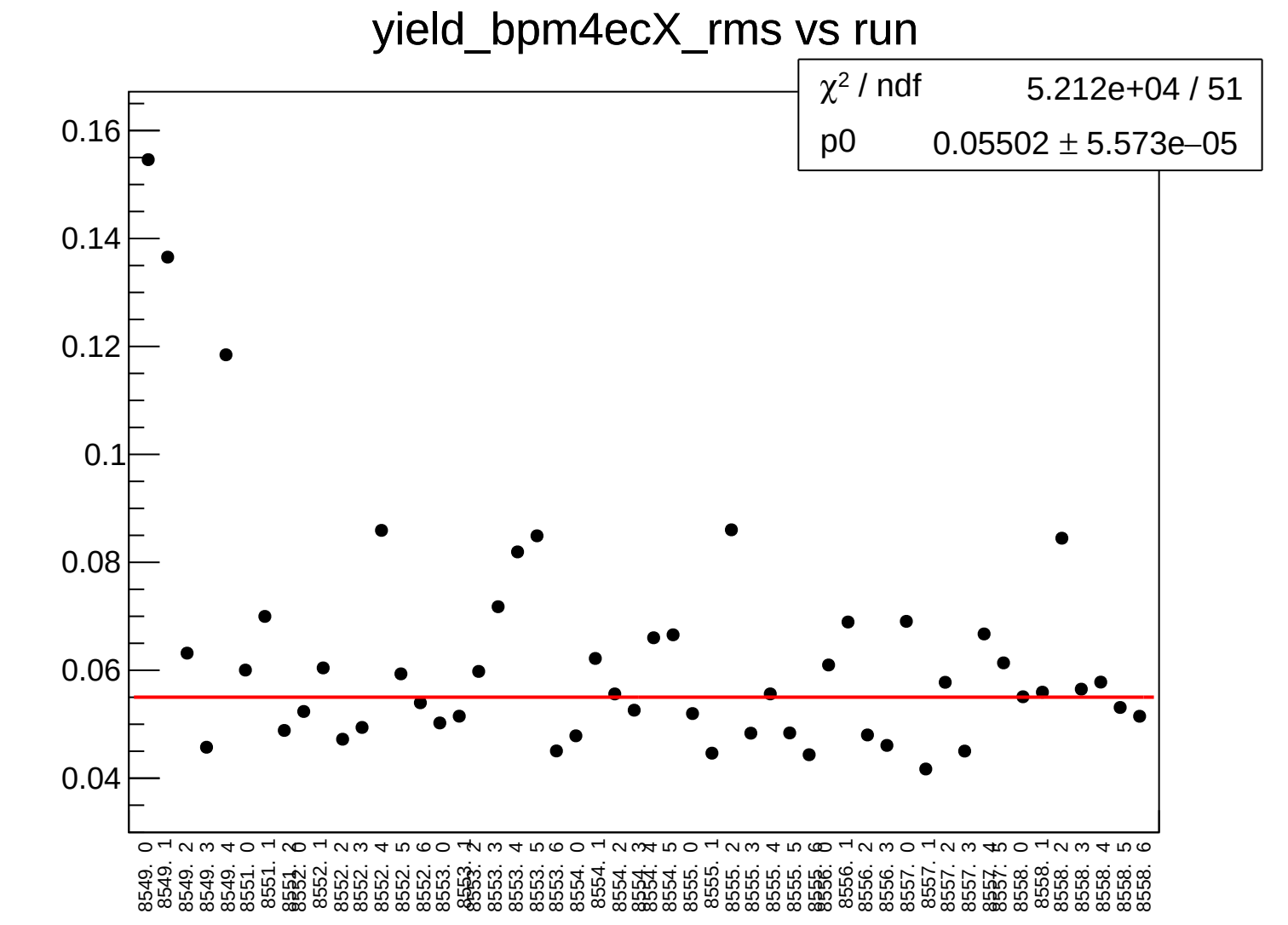

yield_bpm4acY_mean vs run
χ² / ndf 2.032e+04 / 51
p0 0.505 ± 2.721e−05
pull
Entries 52
Mean −6.712
Std Dev 40.3

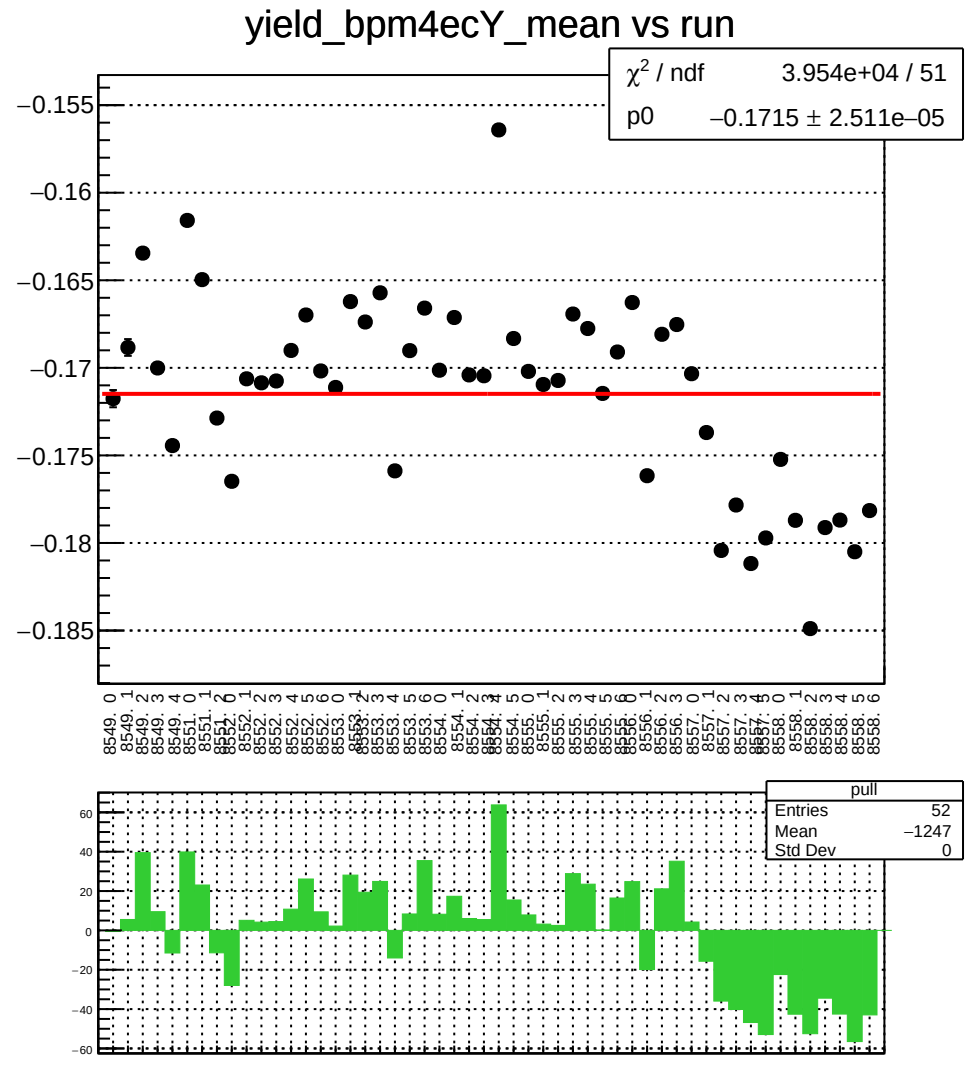

pull1D
Entries 52
Mean 0.8307
Std Dev 4.542

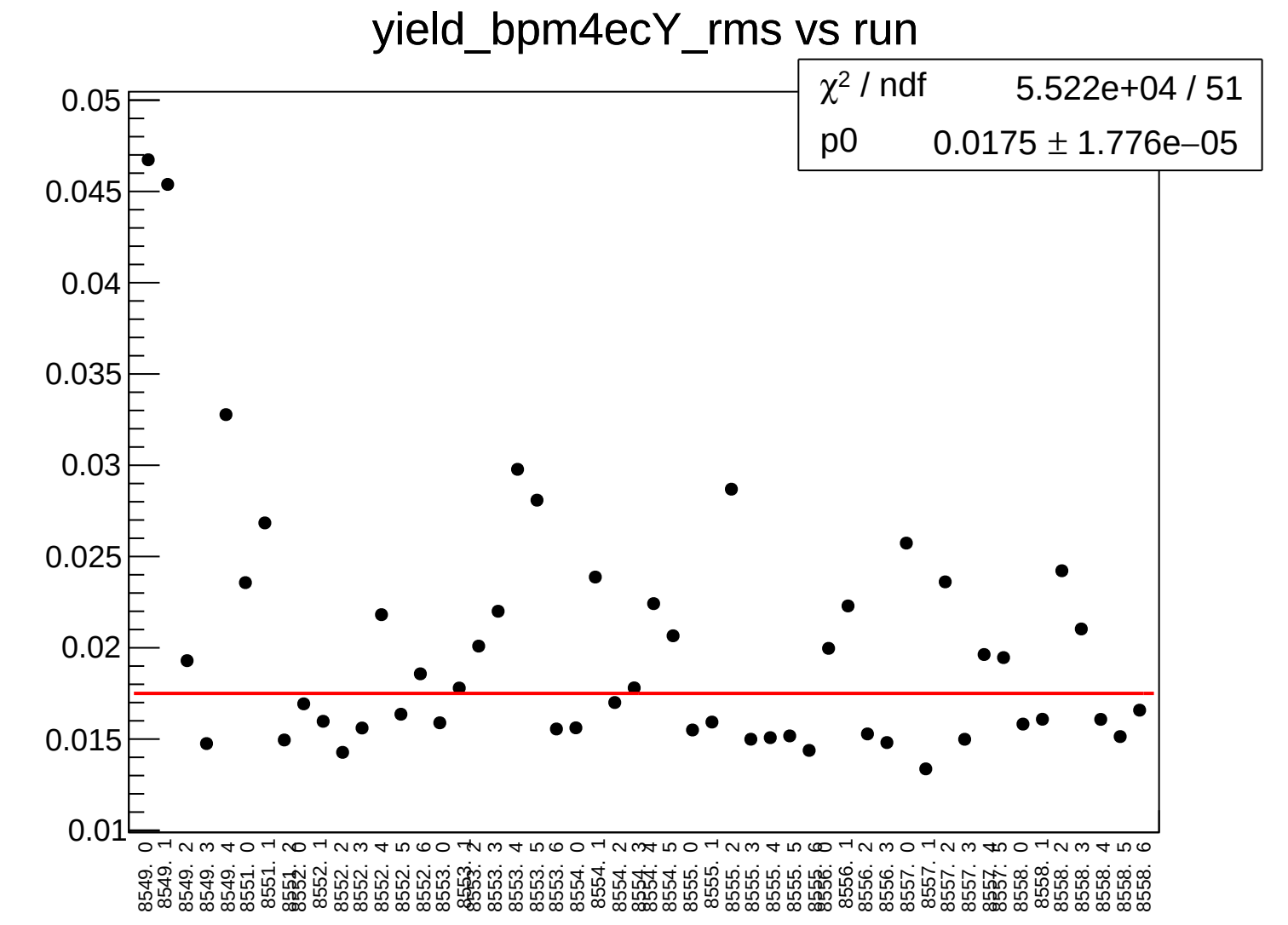

yield_bpm4acY_rms vs run
χ² / ndf 5.615e+04 / 51
p0 0.01896 ± 1.924e−05
0.05
0.045
0.04
0.035
0.03
0.025
0.02
0.015
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 5
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

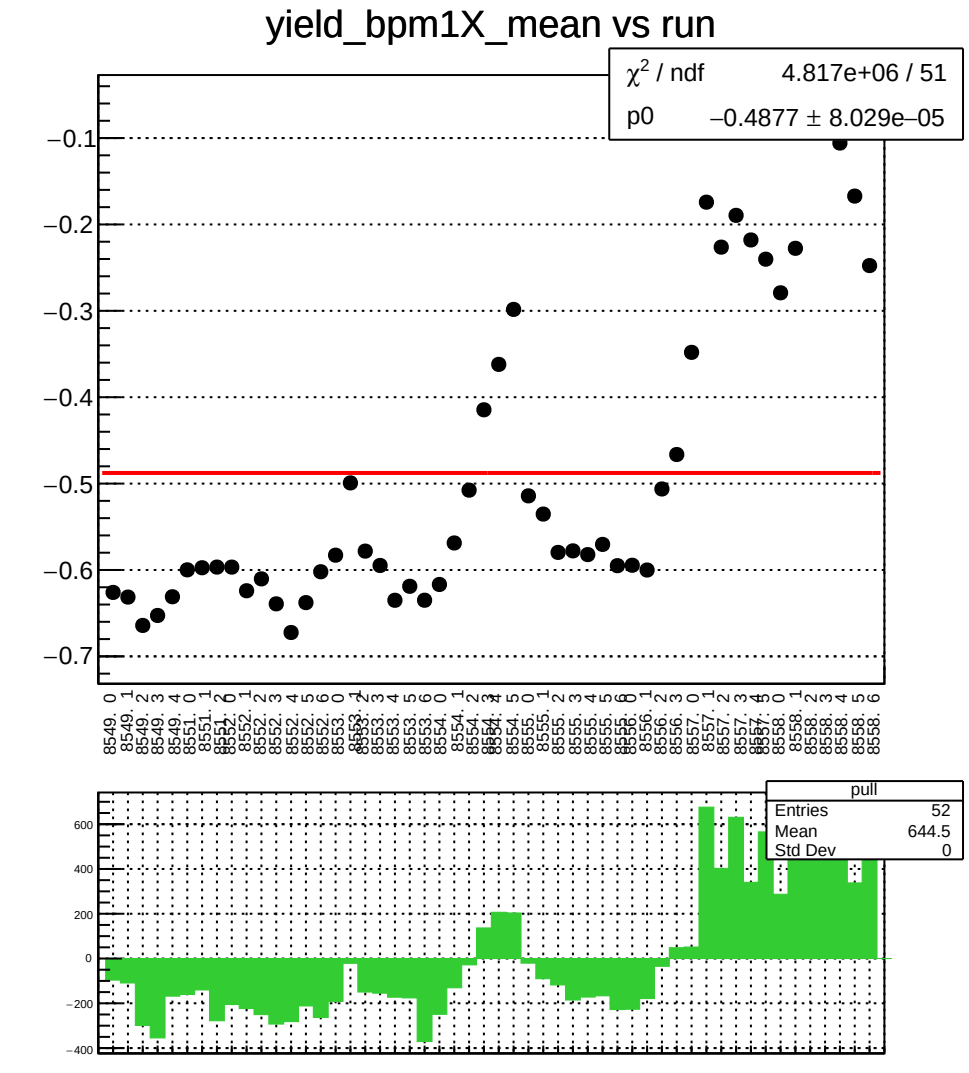

yield_bpm4ecX_mean vs run
χ² / ndf 1.052e+04 / 51
p0 −0.4642 ± 7.881e−05
−0.45
−0.46
−0.47
−0.48
−0.49
pull
Entries 52
Mean −274.8
Std Dev 0
30
20
10
0
−10
−20
−30

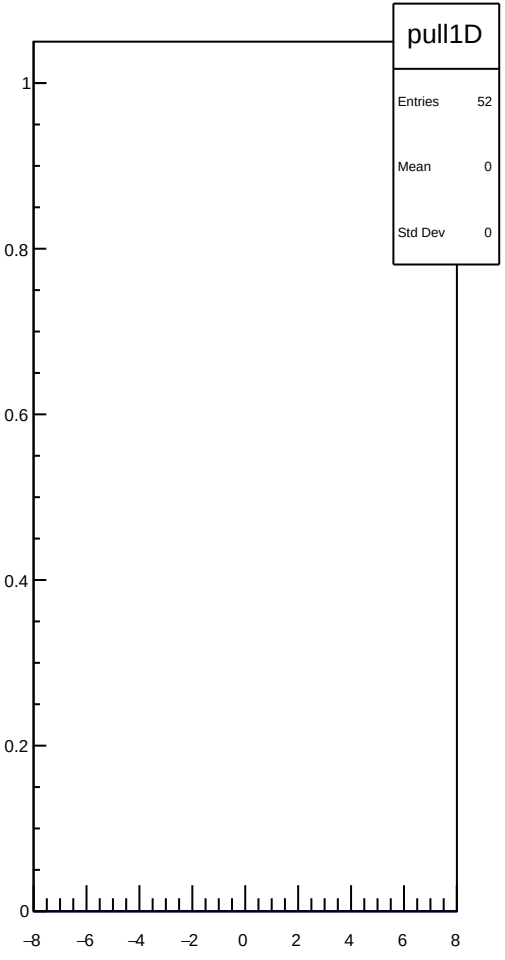

pull1D
Entries 52
Mean 1.002
Std Dev 4.369
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

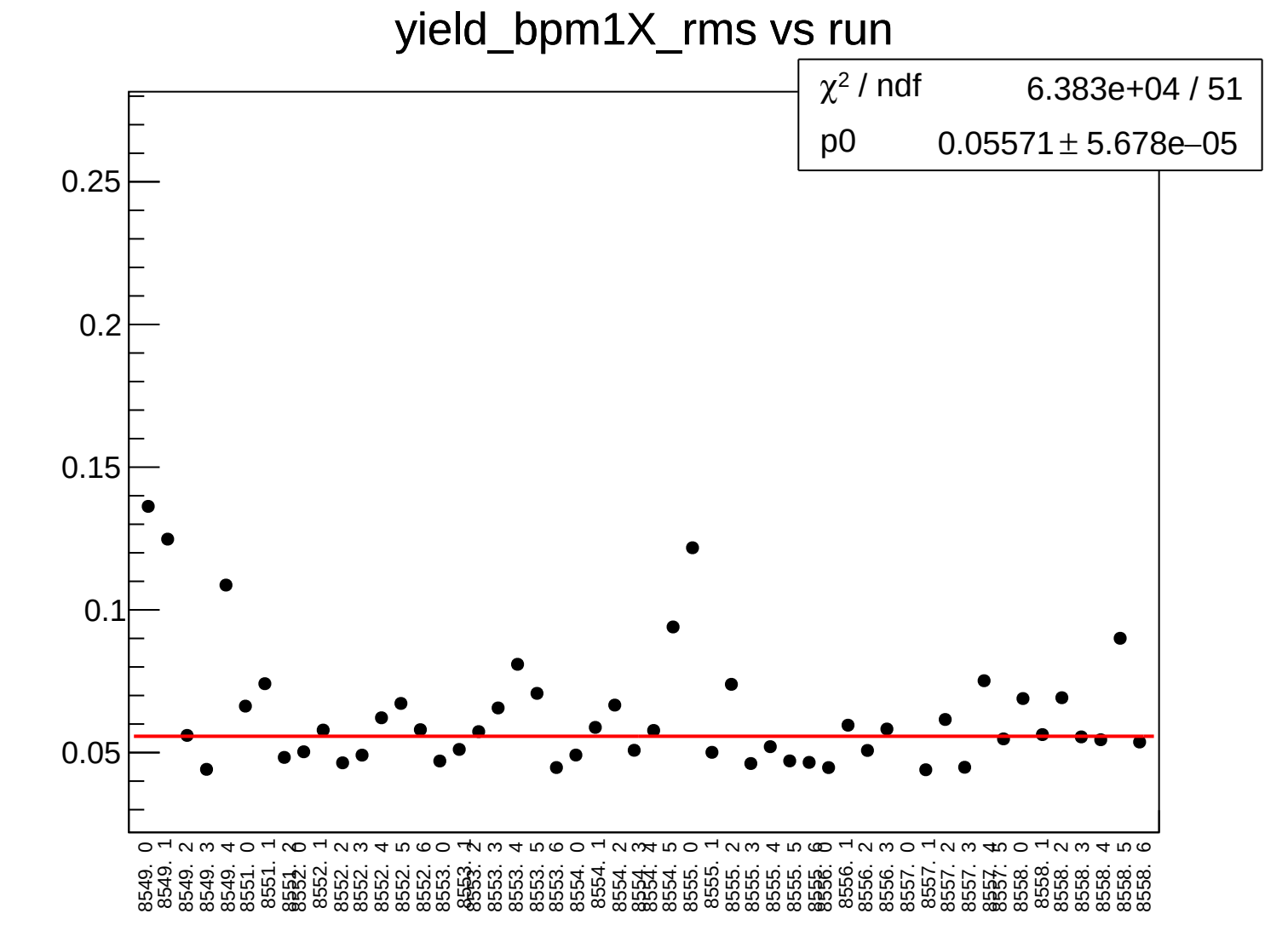

yield_bpm4ecX_rms vs run
χ² / ndf 5.212e+04 / 51
p0 0.05502 ± 5.573e–05
0.16
0.14
0.12
0.1
0.08
0.06
0.04
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 5
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6


yield_bpm4ecY_mean vs run
χ² / ndf 3.954e+04 / 51
p0 −0.1715 ± 2.511e−05
pull
Entries 52
Mean −1247
Std Dev 0
pull1D
Entries 52
Mean 3.881
Std Dev 2.264


yield_bpm4ecY_rms vs run
χ² / ndf 5.522e+04 / 51
p0 0.0175 ± 1.776e−05
0.05
0.045
0.04
0.035
0.03
0.025
0.02
0.015
0.01
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 5
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6


yield_bpm1X_mean vs run
χ² / ndf 4.817e+06 / 51
p0 −0.4877 ± 8.029e−05
pull
Entries 52
Mean 644.5
Std Dev 0


pull1D
Entries 52
Mean 0
Std Dev 0


yield_bpm1X_rms vs run
χ² / ndf 6.383e+04 / 51
p0 0.05571 ± 5.678e–05
0.25
0.2
0.15
0.1
0.05
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 5
8555. 0
8555. 1
8555. 2
8555. 3
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8556. 2
8556. 3
8557. 0
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8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
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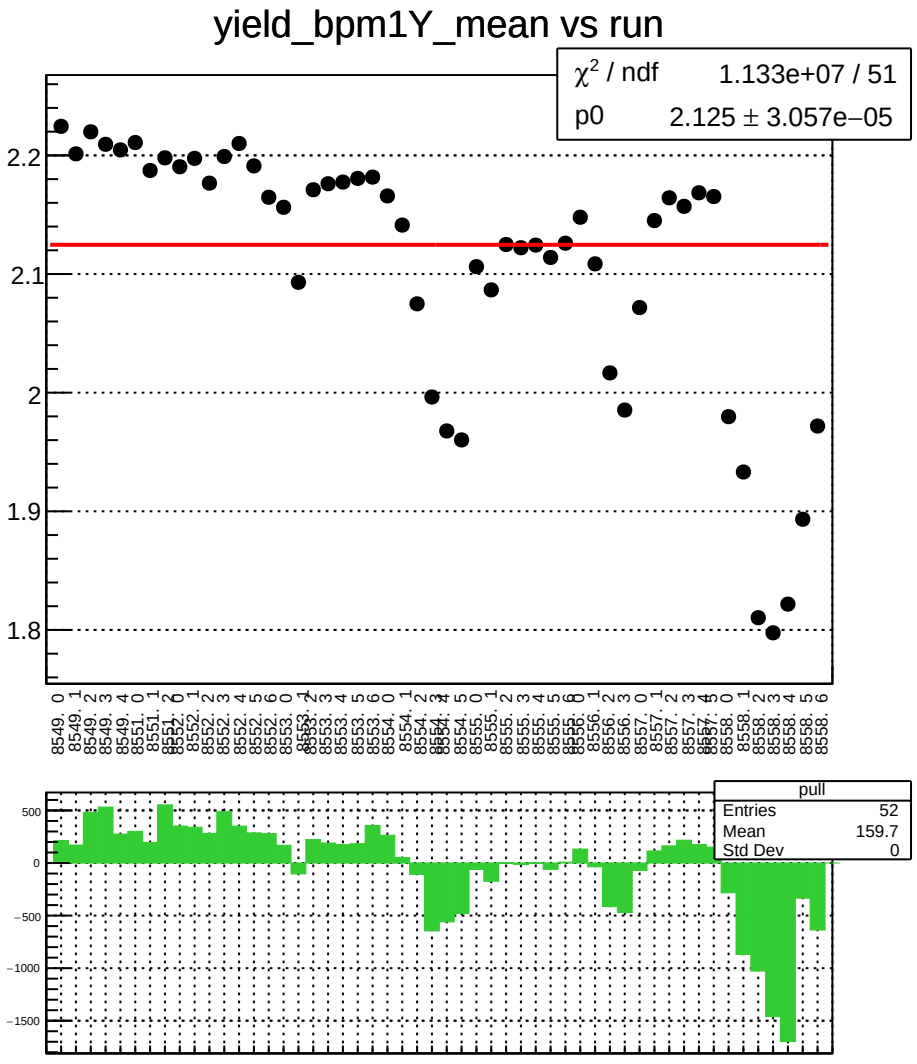
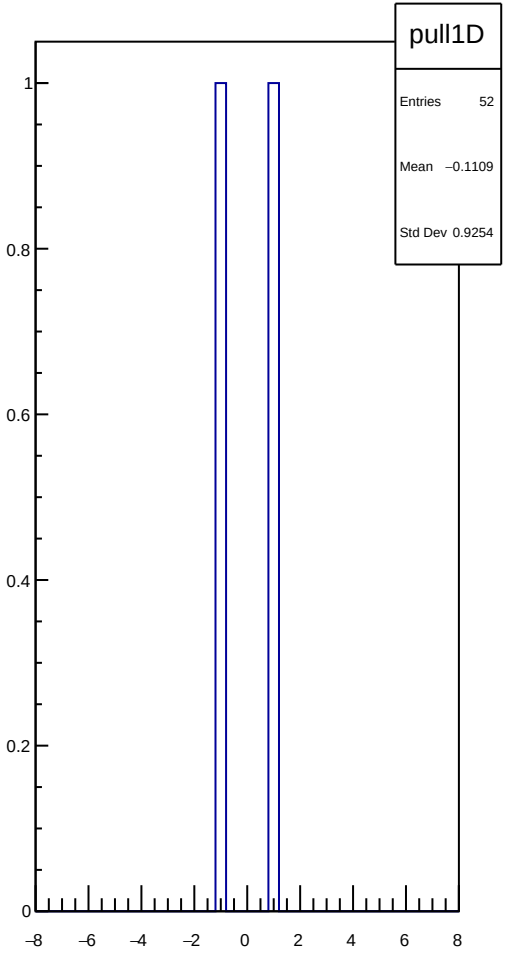
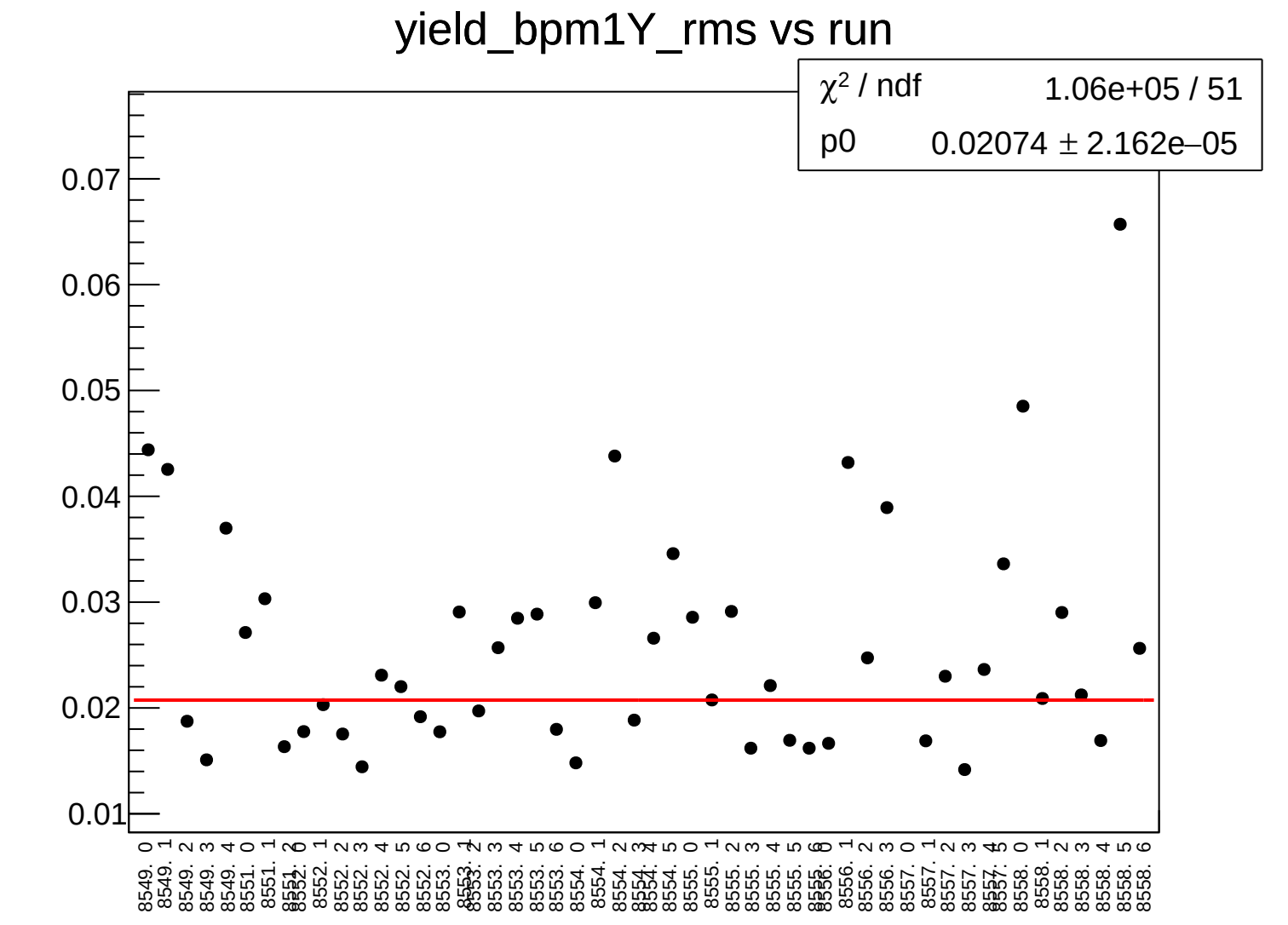
8558. 5
8558. 6


yield_bpm1Y_mean vs run
χ² / ndf 1.133e+07 / 51
p0 2.125 ± 3.057e−05
2.2
2.1
2
1.9
1.8
pull
Entries 52
Mean 159.7
Std Dev 0
500
0
−500
−1000
−1500


pull1D
Entries 52
Mean −0.1109
Std Dev 0.9254
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8


yield_bpm1Y_rms vs run
χ² / ndf 1.06e+05 / 51
p0 0.02074 ± 2.162e−05
0.07
0.06
0.05
0.04
0.03
0.02
0.01
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
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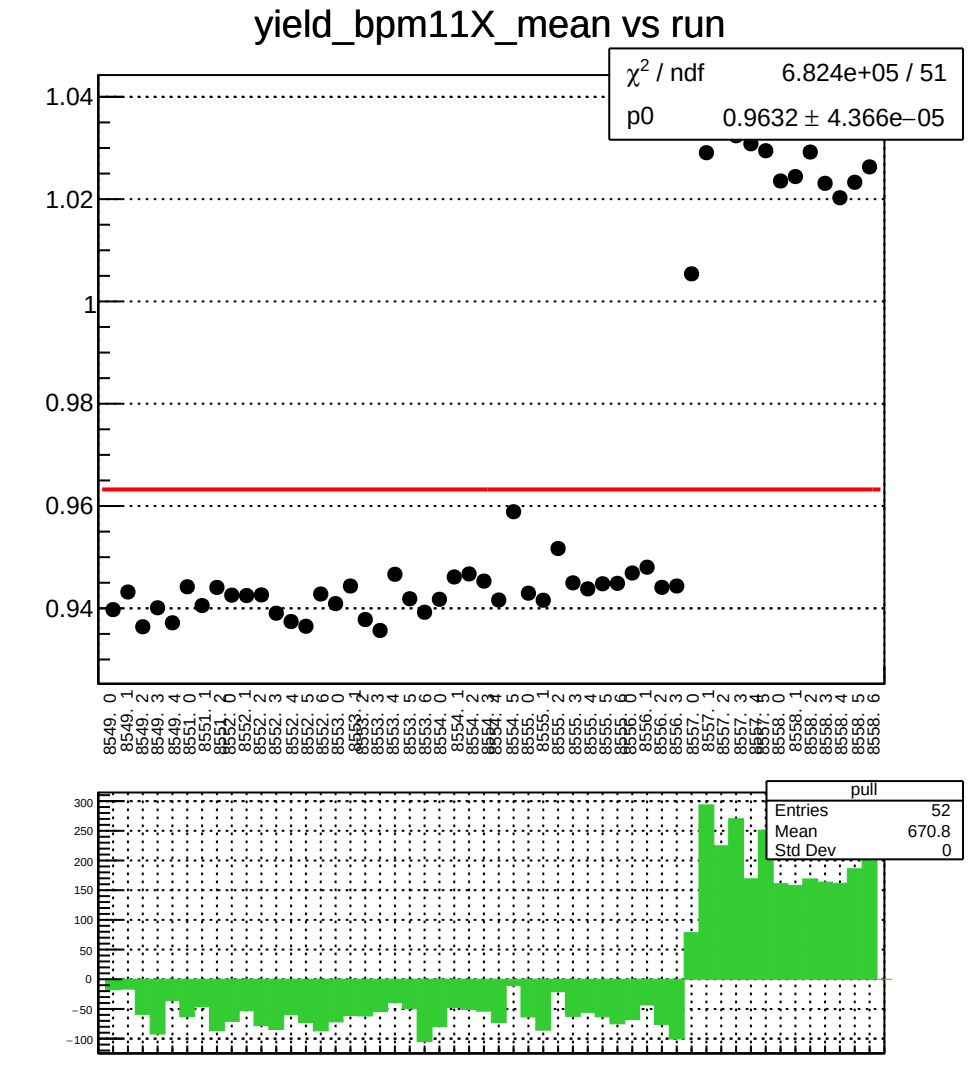
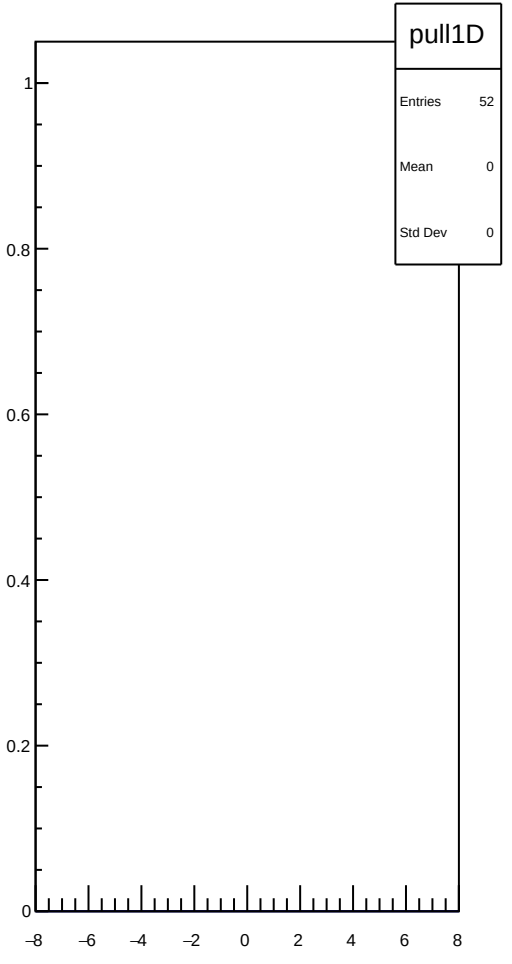
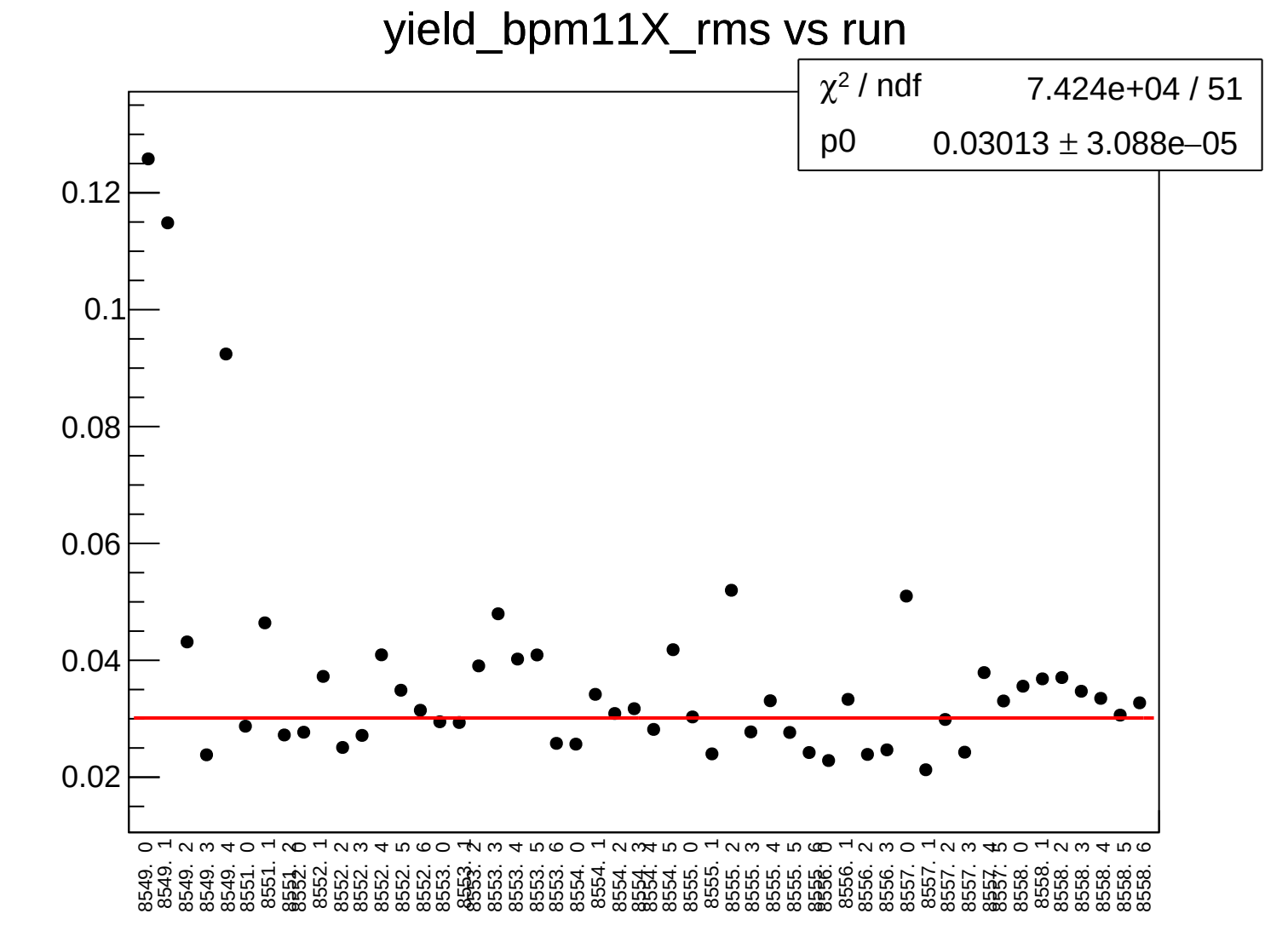
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 5
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6


yield_bpm11X_mean vs run
χ² / ndf 6.824e+05 / 51
p0 0.9632 ± 4.366e−05
1.04
1.02
1
0.98
0.96
0.94
pull
Entries 52
Mean 670.8
Std Dev 0
300
250
200
150
100
50
0
−50
−100


pull1D
Entries 52
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_bpm11X_rms vs run
χ² / ndf 7.424e+04 / 51
p0 0.03013 ± 3.088e–05
0.12
0.1
0.08
0.06
0.04
0.02
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
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8554. 2
8555. 0
8555. 1
8555. 2
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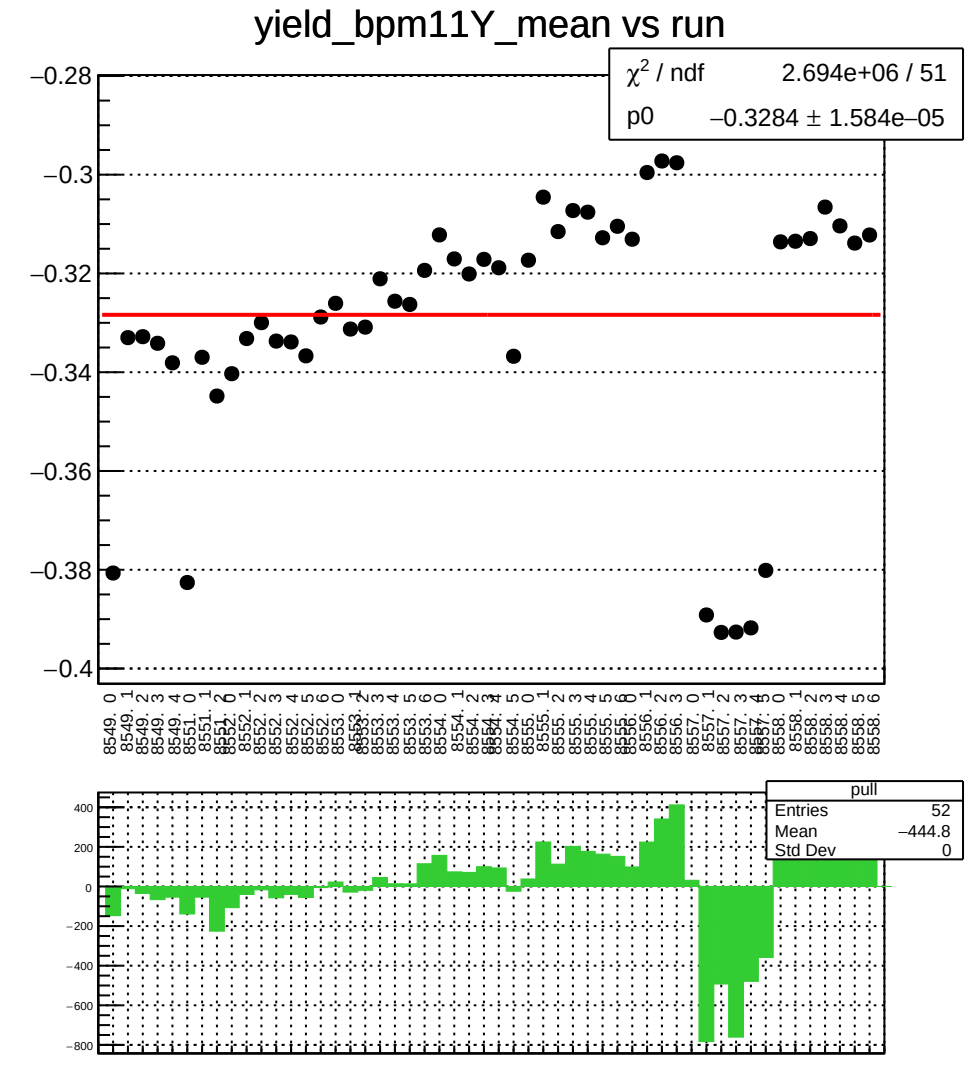
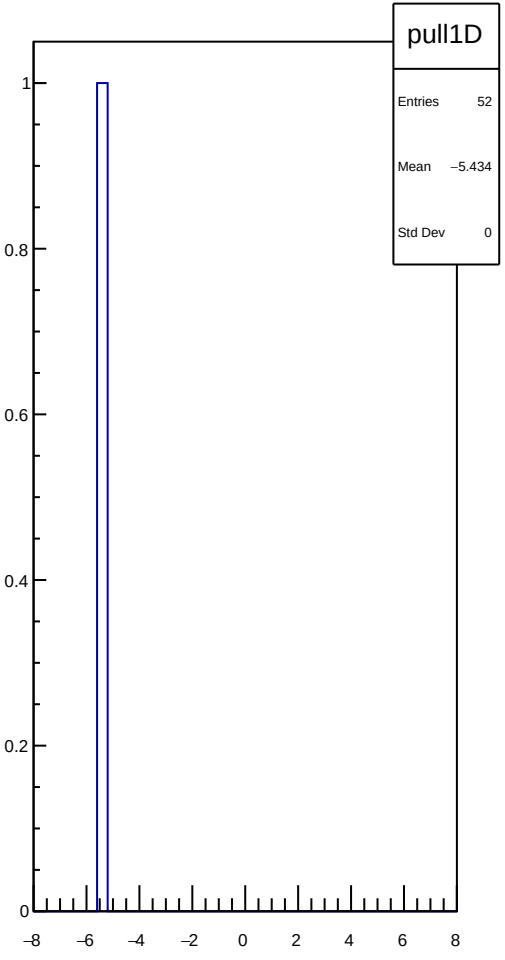
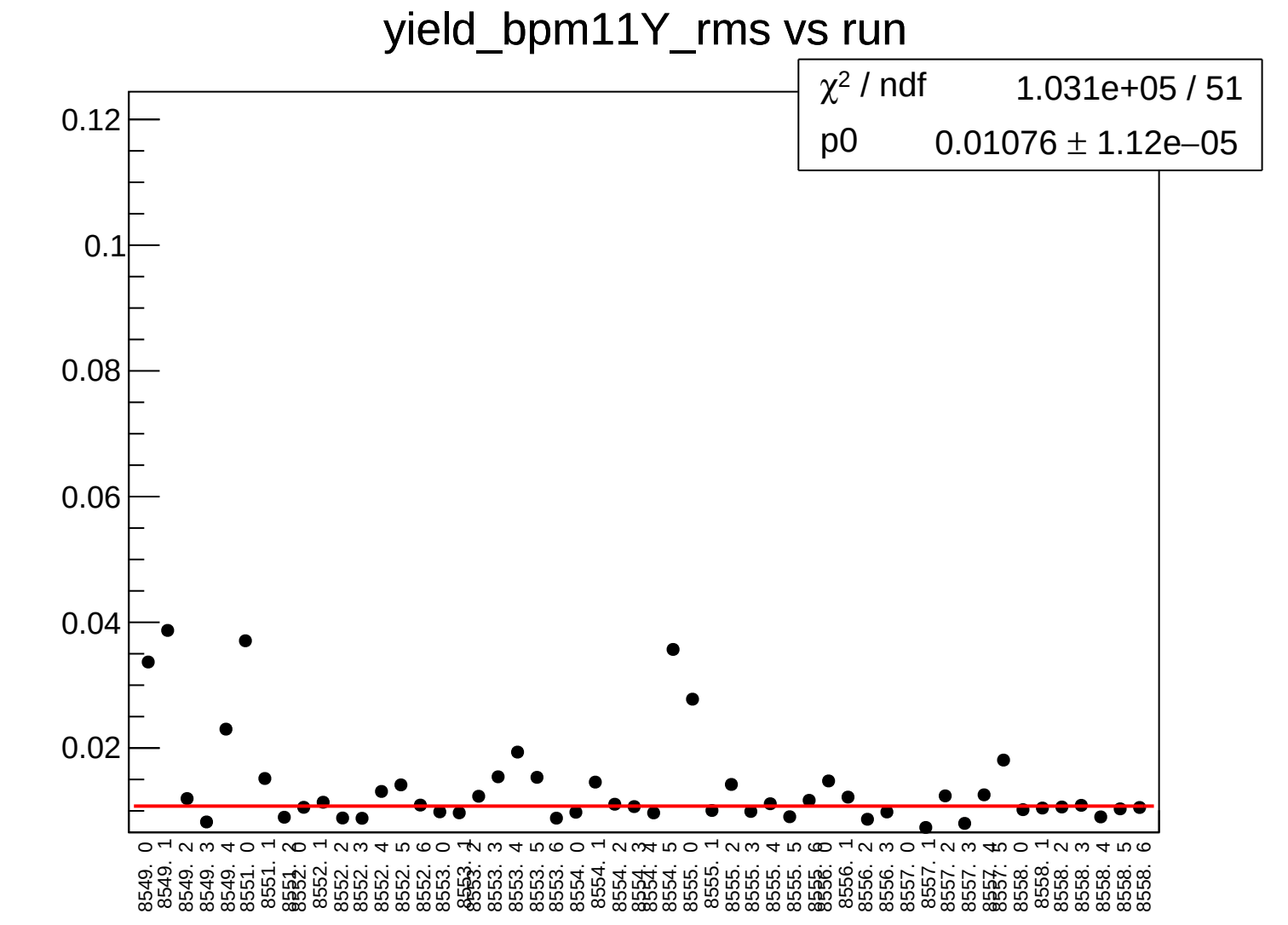
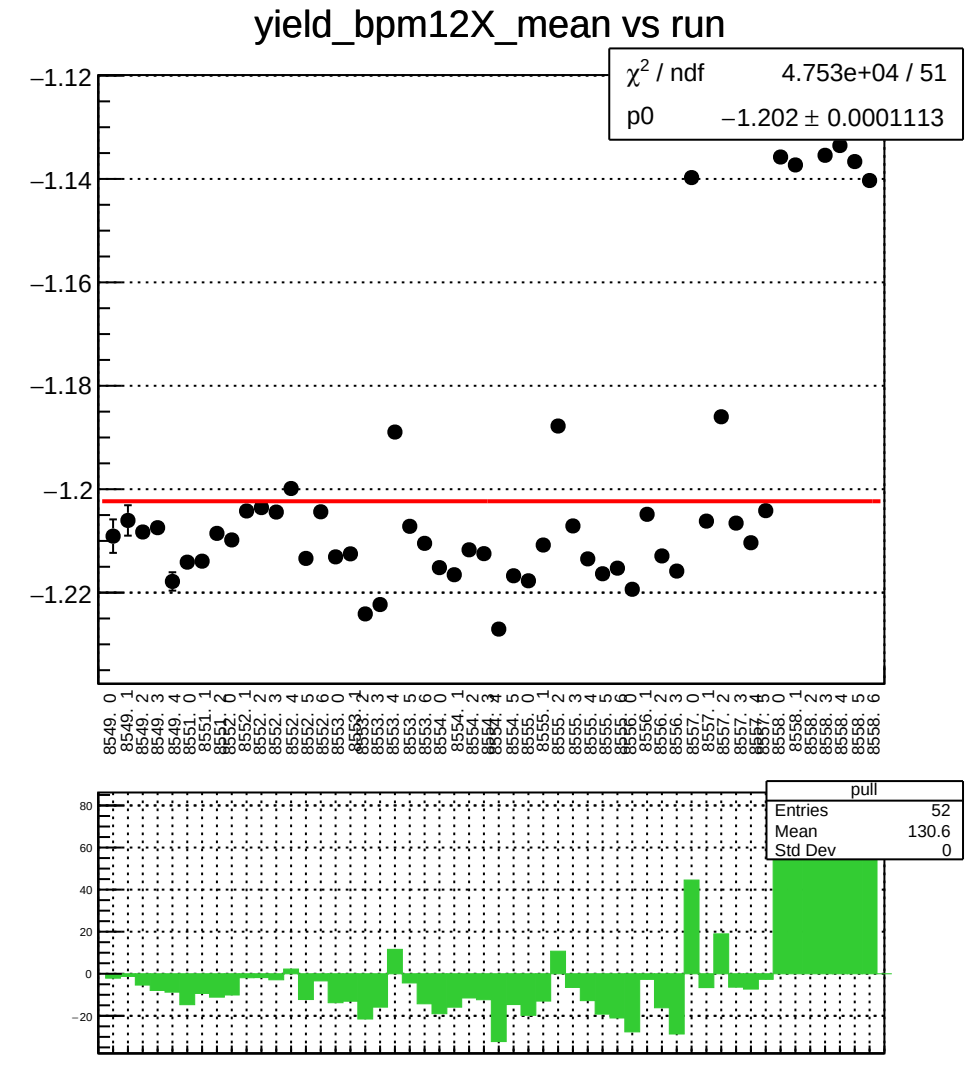
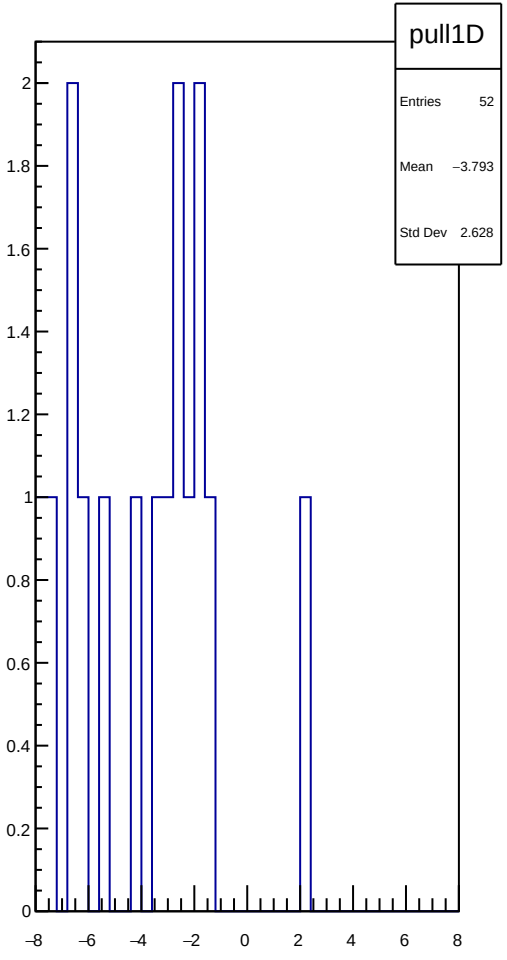
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

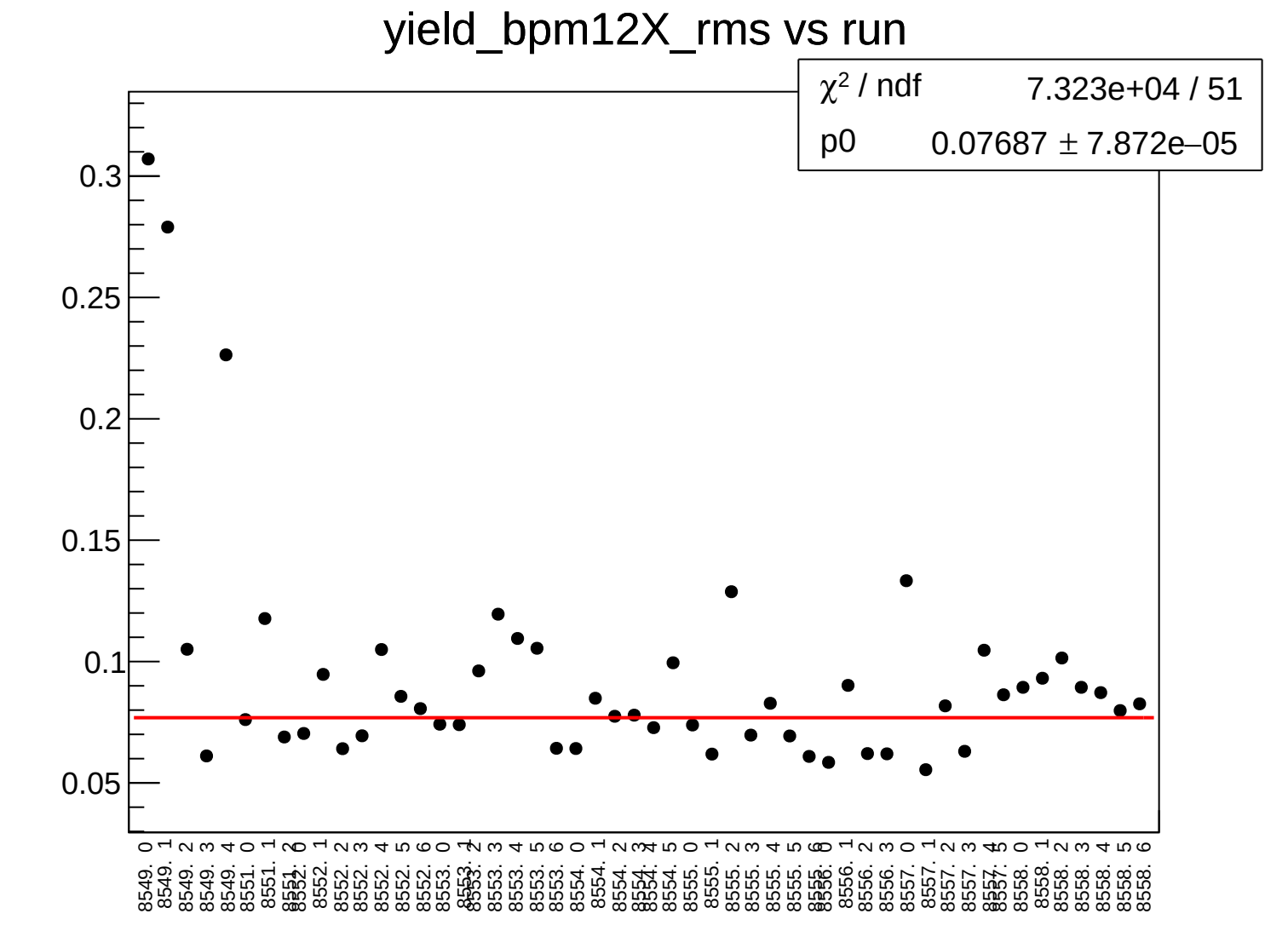

yield_bpm11Y_mean vs run
χ² / ndf 2.694e+06 / 51
p0 −0.3284 ± 1.584e−05
−0.28
−0.3
−0.32
−0.34
−0.36
−0.38
−0.4
pull
Entries 52
Mean −444.8
Std Dev 0
400
200
0
−200
−400
−600
−800

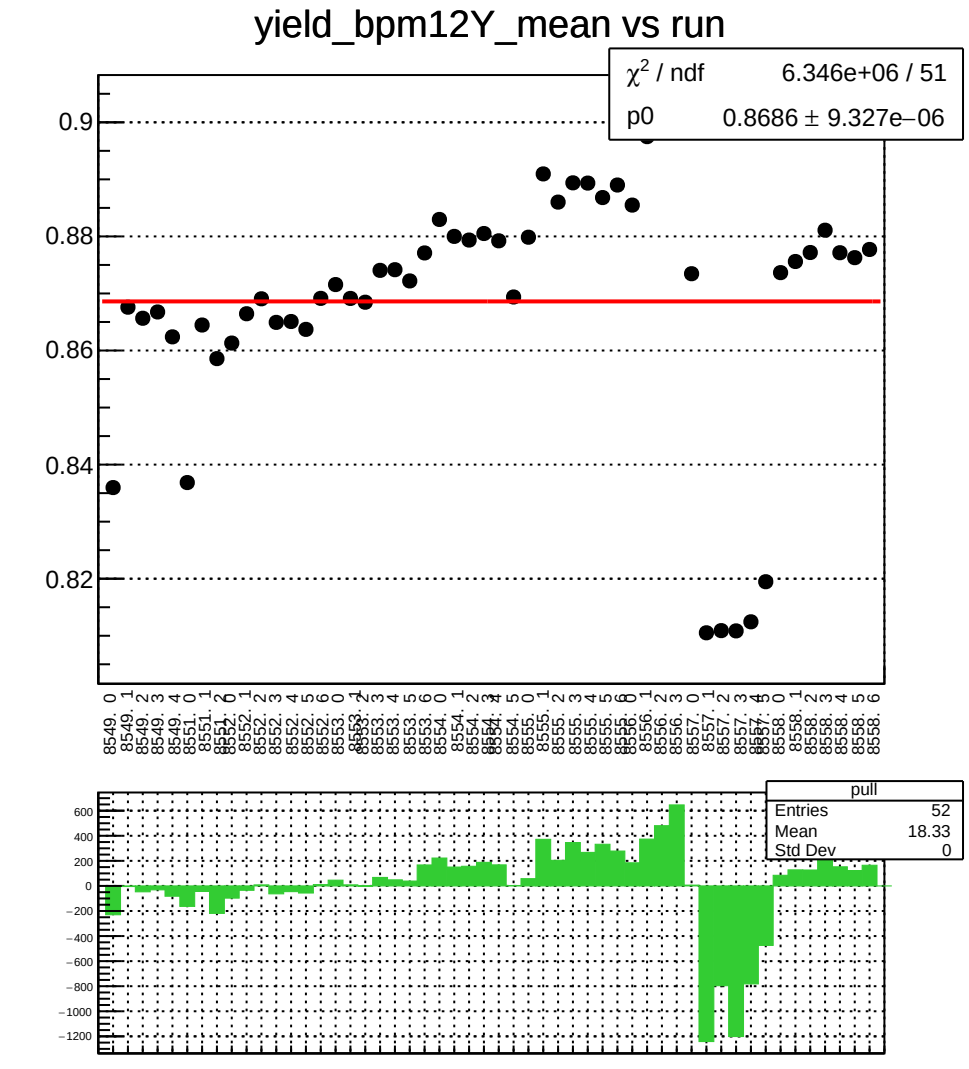

pull1D
Entries 52
Mean −5.434
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

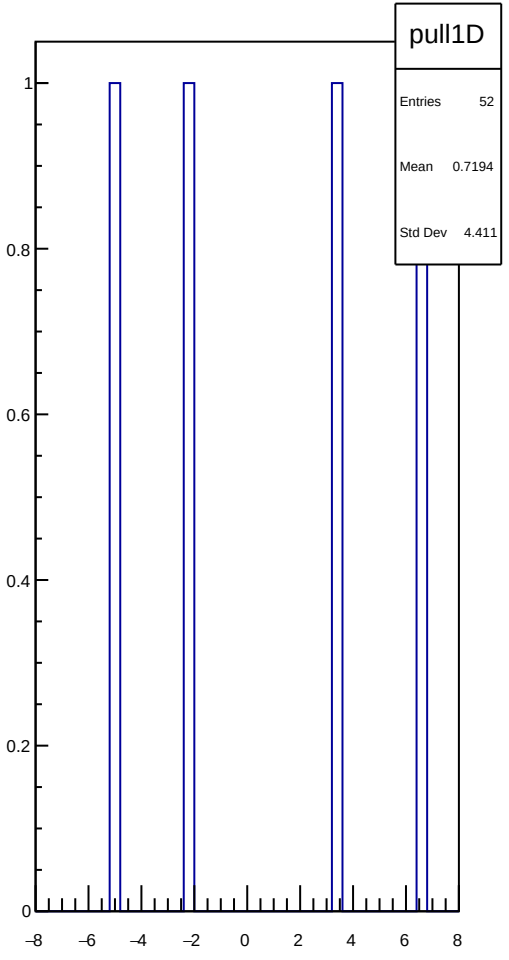

yield_bpm11Y_rms vs run
χ² / ndf 1.031e+05 / 51
p0 0.01076 ± 1.12e−05
0.12
0.1
0.08
0.06
0.04
0.02
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 5
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

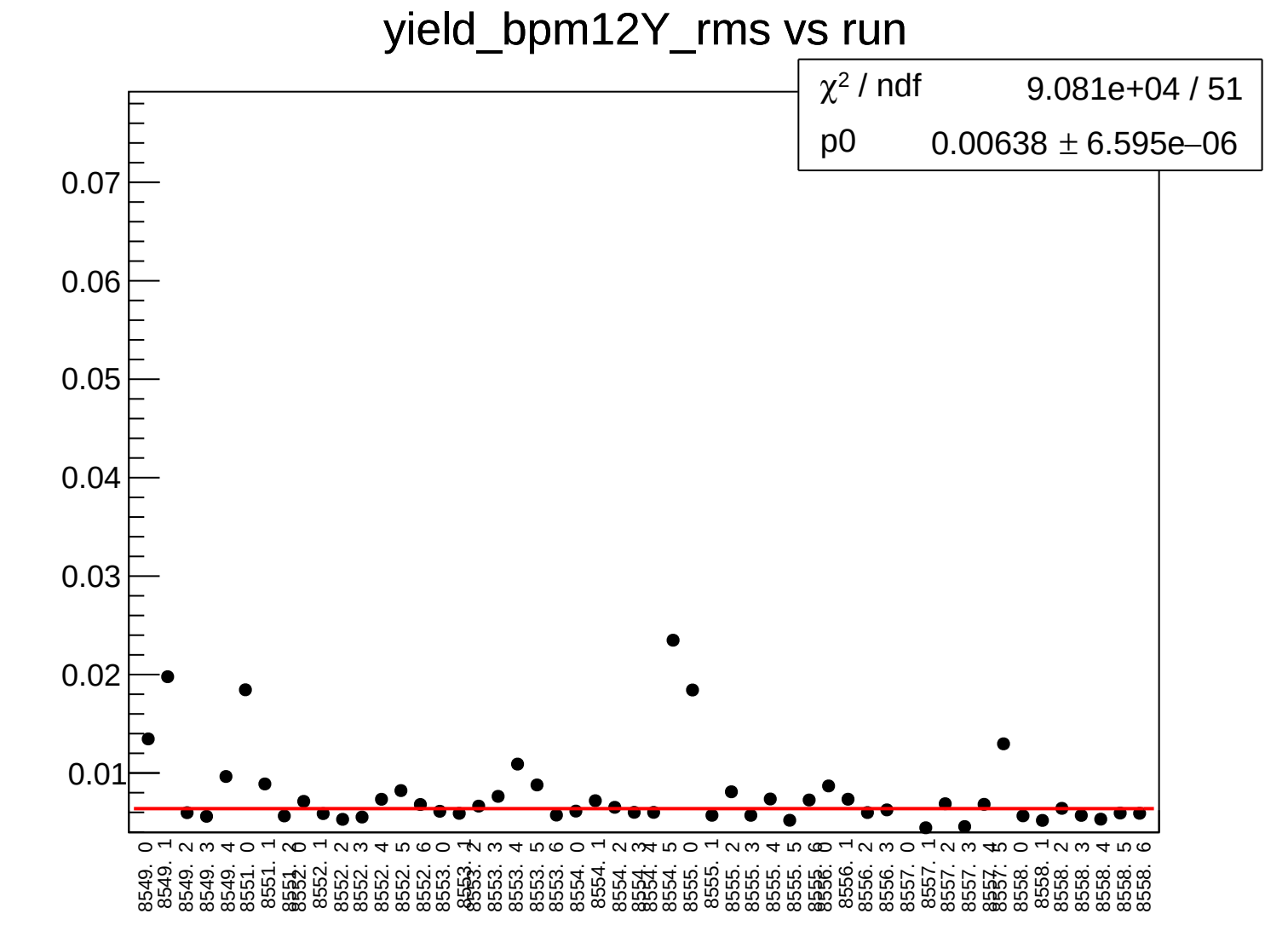

yield_bpm12X_mean vs run
χ² / ndf 4.753e+04 / 51
p0 −1.202 ± 0.0001113
−1.12
−1.14
−1.16
−1.18
−1.2
−1.22
pull
Entries 52
Mean 130.6
Std Dev 0
80
60
40
20
0
−20

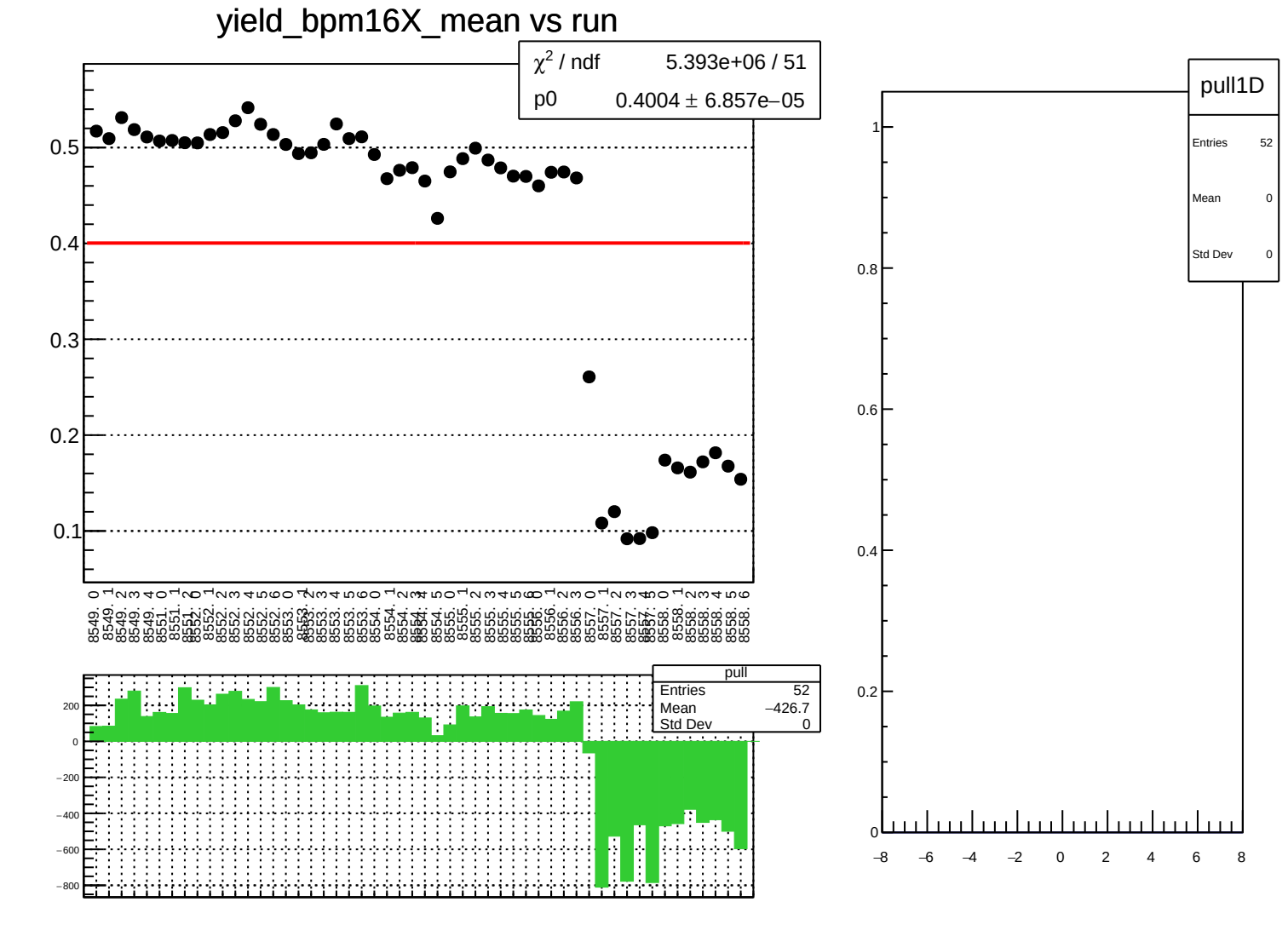

pull1D
Entries 52
Mean −3.793
Std Dev 2.628
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

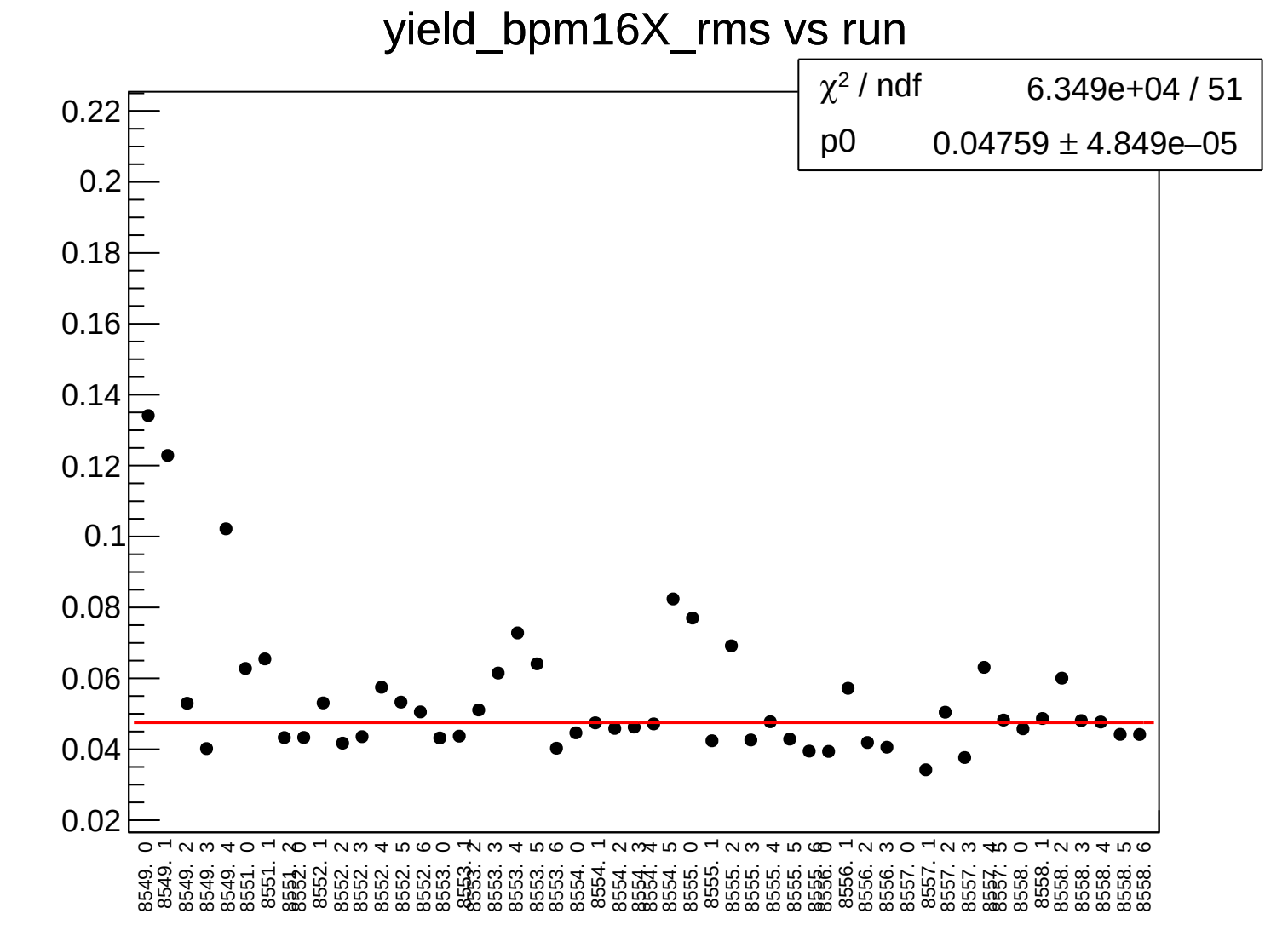

yield_bpm12X_rms vs run
χ² / ndf 7.323e+04 / 51
p0 0.07687 ± 7.872e–05
0.3
0.25
0.2
0.15
0.1
0.05

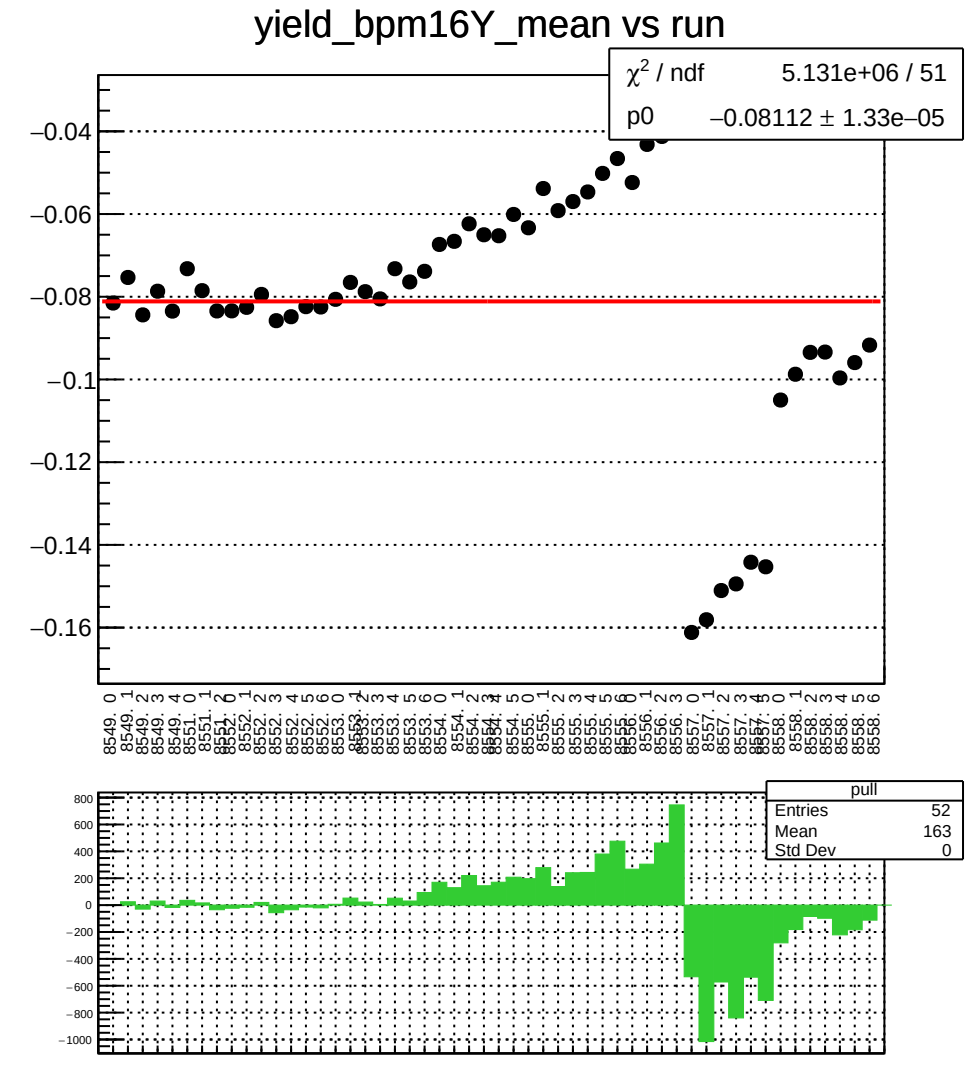

yield_bpm12Y_mean vs run
χ² / ndf 6.346e+06 / 51
p0 0.8686 ± 9.327e−06
0.9
0.88
0.86
0.84
0.82
pull
Entries 52
Mean 18.33
Std Dev 0
600
400
200
0
−200
−400
−600
−800
−1000
−1200

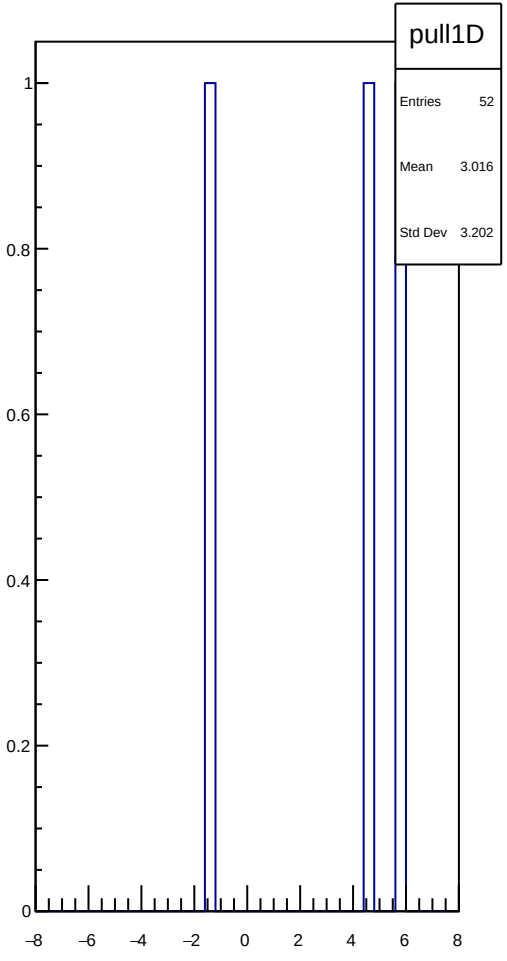

pull1D
Entries 52
Mean 0.7194
Std Dev 4.411
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

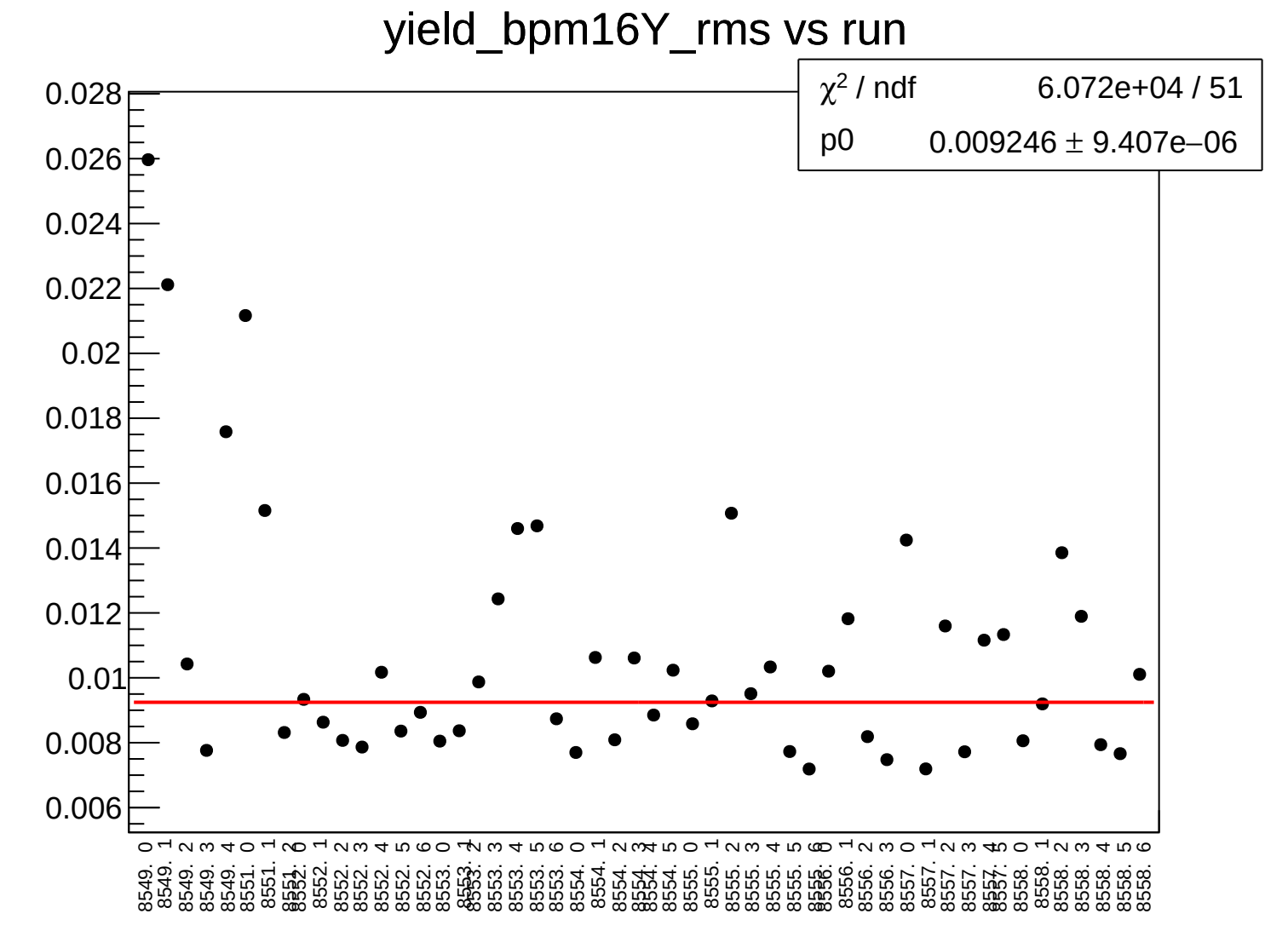

yield_bpm12Y_rms vs run
χ² / ndf 9.081e+04 / 51
p0 0.00638 ± 6.595e–06
0.07
0.06
0.05
0.04
0.03
0.02
0.01
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 5
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

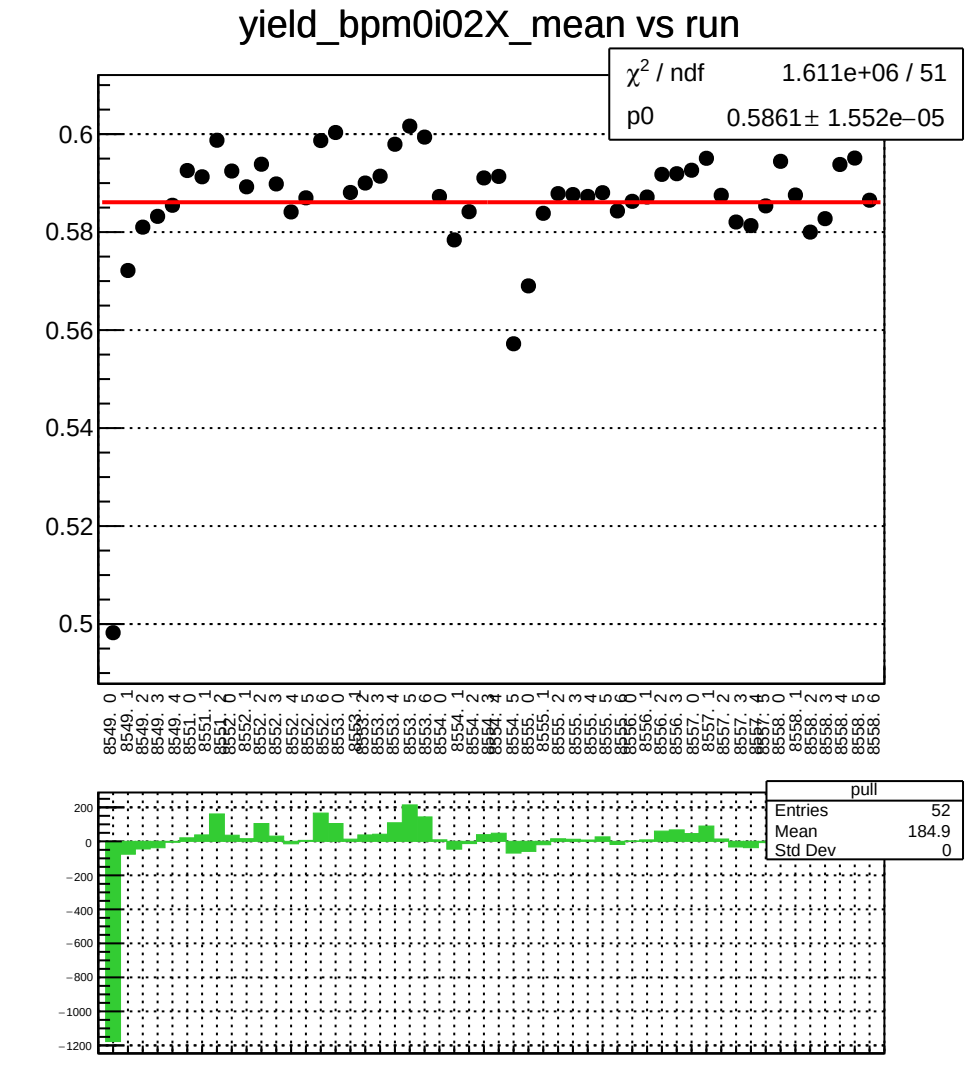

yield_bpm16X_mean vs run
χ² / ndf 5.393e+06 / 51
p0 0.4004 ± 6.857e−05
pull
Entries 52
Mean −426.7
Std Dev 0
pull1D
Entries 52
Mean 0
Std Dev 0

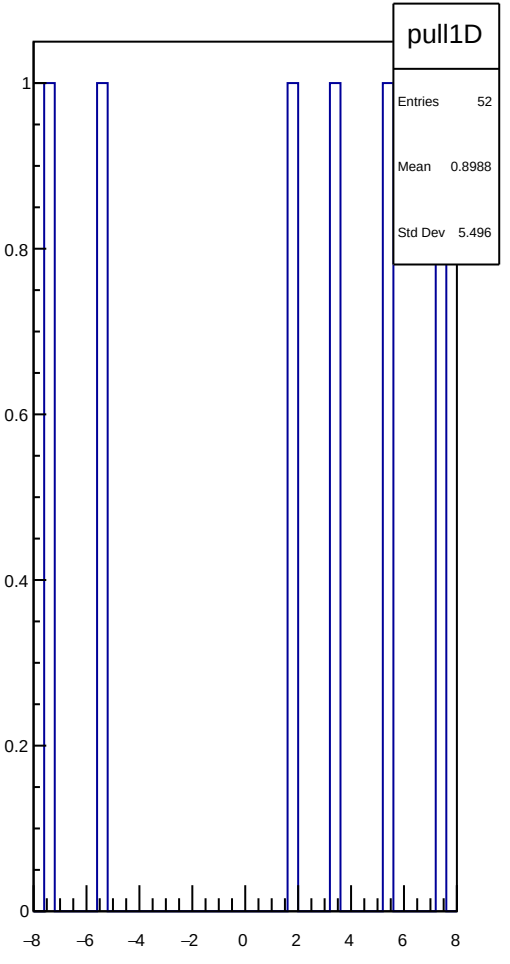

yield_bpm16X_rms vs run
χ² / ndf 6.349e+04 / 51
p0 0.04759 ± 4.849e−05
0.22
0.2
0.18
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

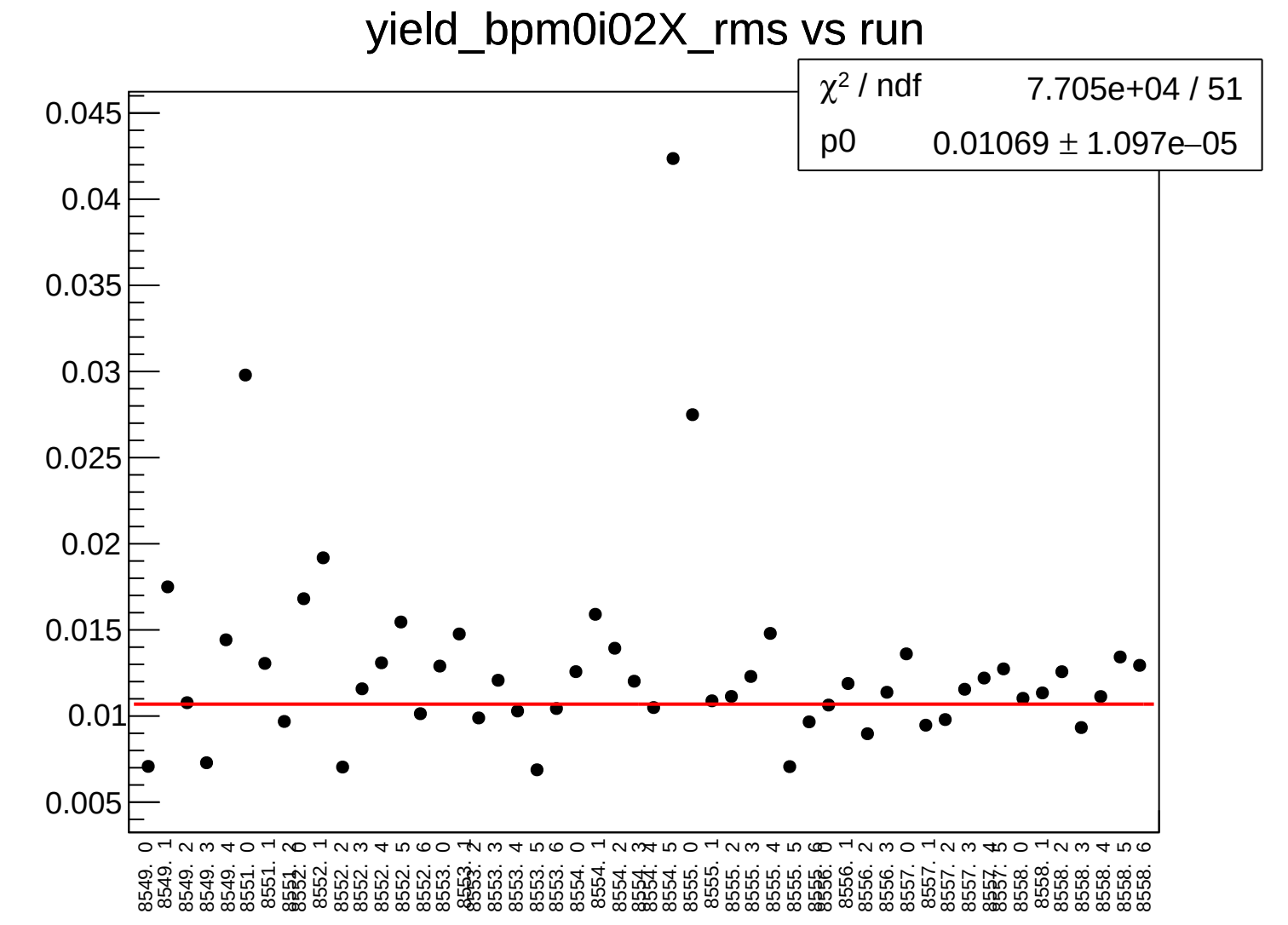

yield_bpm16Y_mean vs run
χ² / ndf 5.131e+06 / 51
p0 −0.08112 ± 1.33e−05
pull
Entries 52
Mean 163
Std Dev 0

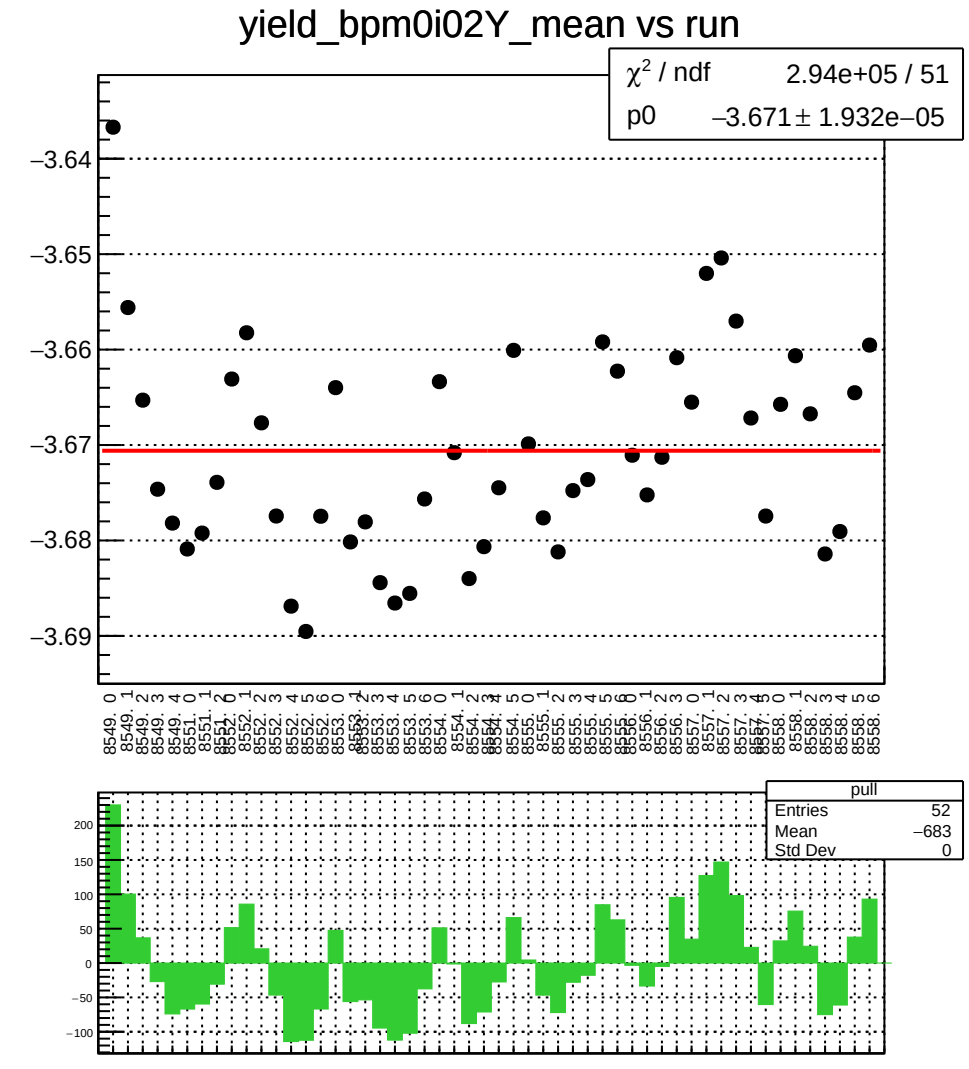

pull1D
Entries 52
Mean 3.016
Std Dev 3.202

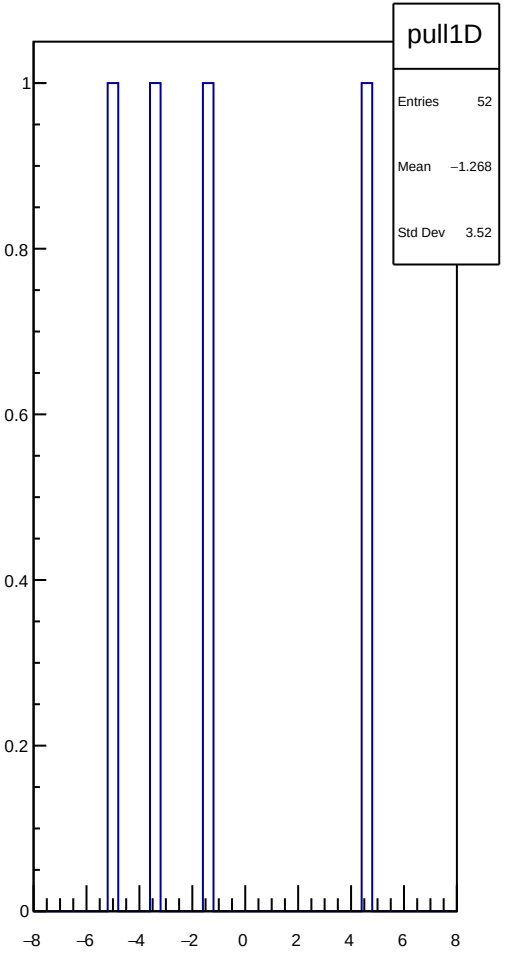

yield_bpm16Y_rms vs run
χ² / ndf 6.072e+04 / 51
p0 0.009246 ± 9.407e−06
0.028
0.026
0.024
0.022
0.02
0.018
0.016
0.014
0.012
0.01
0.008
0.006
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 0
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 5
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

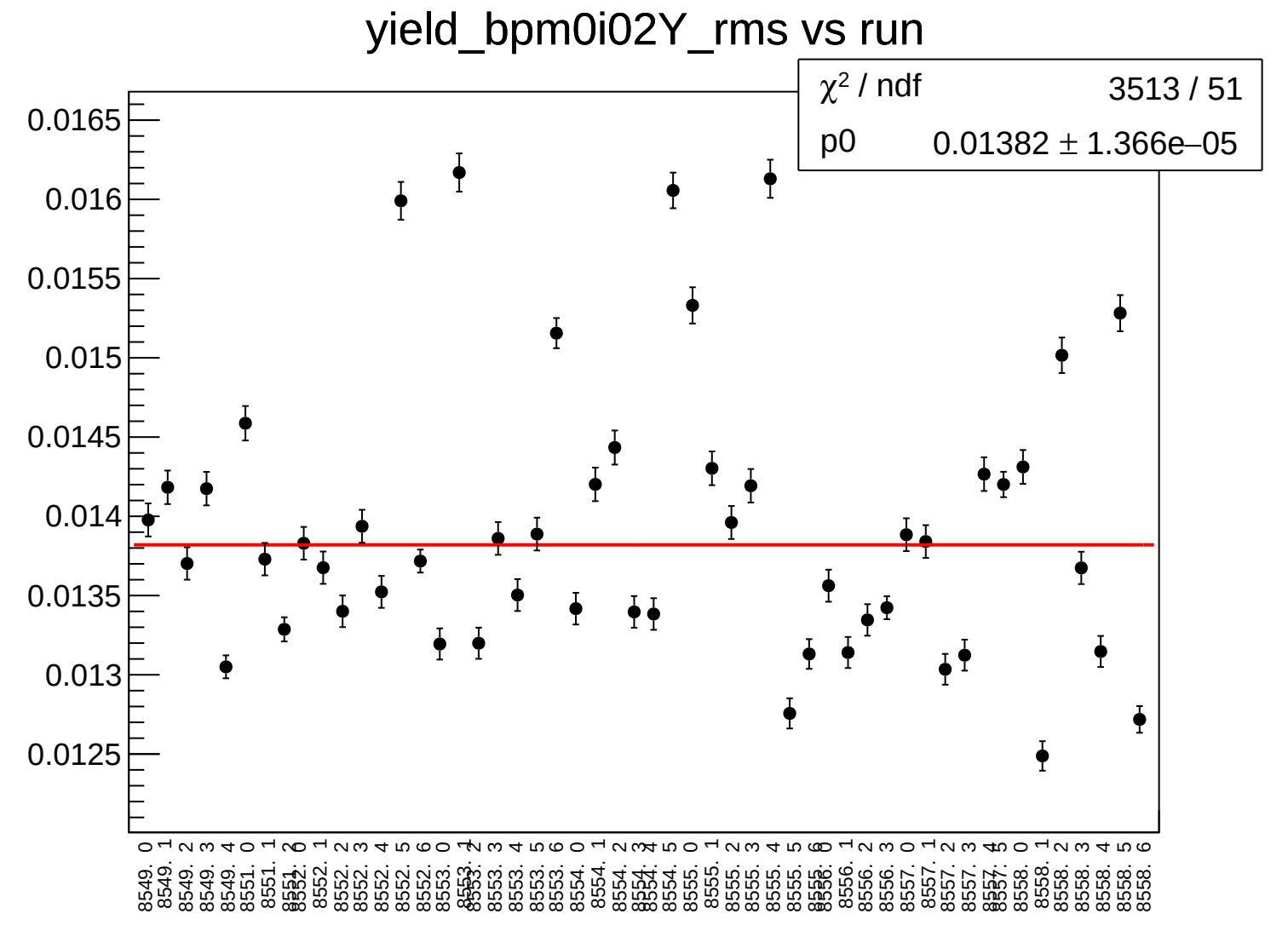

yield_bpm0i02X_mean vs run
χ² / ndf 1.611e+06 / 51
p0 0.5861 ± 1.552e−05
0.6
0.58
0.56
0.54
0.52
0.5
pull
Entries 52
Mean 184.9
Std Dev 0
200
0
−200
−400
−600
−800
−1000
−1200

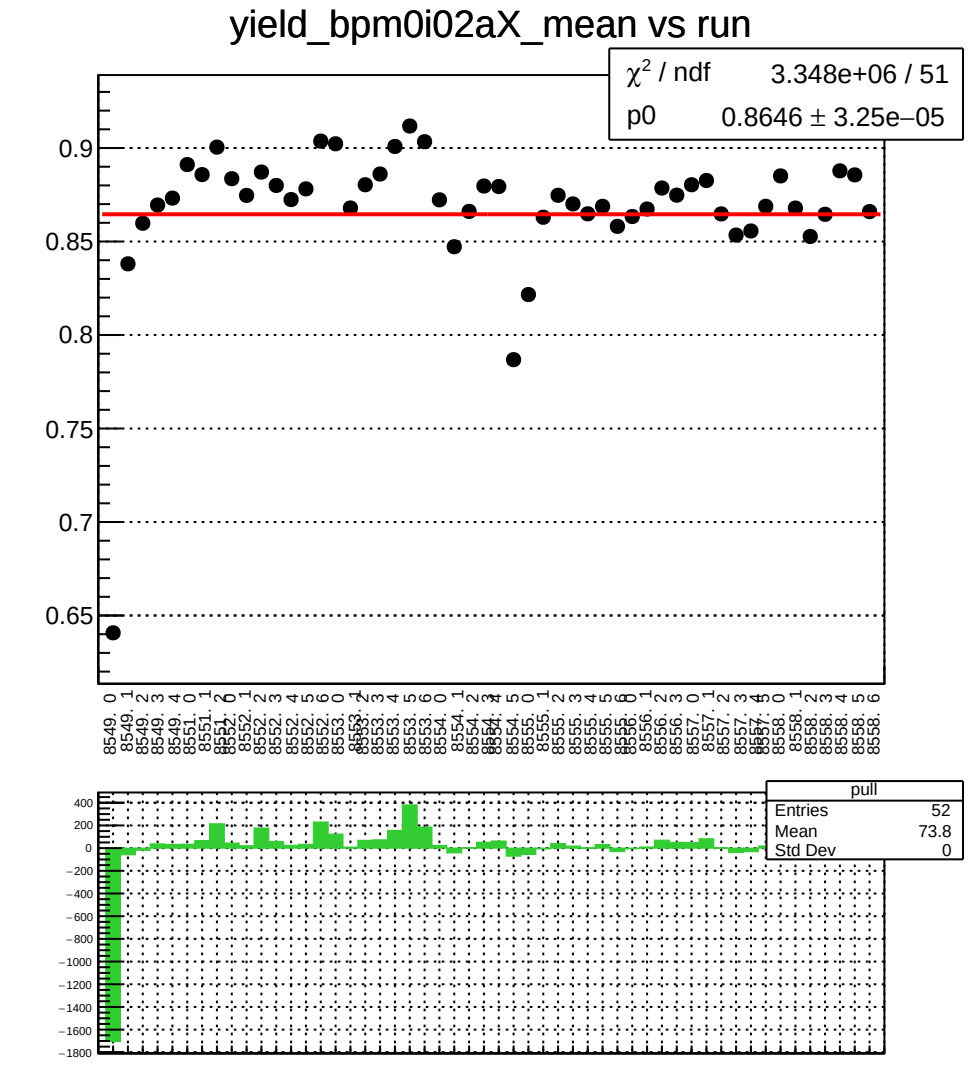

pull1D
Entries 52
Mean 0.8988
Std Dev 5.496
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

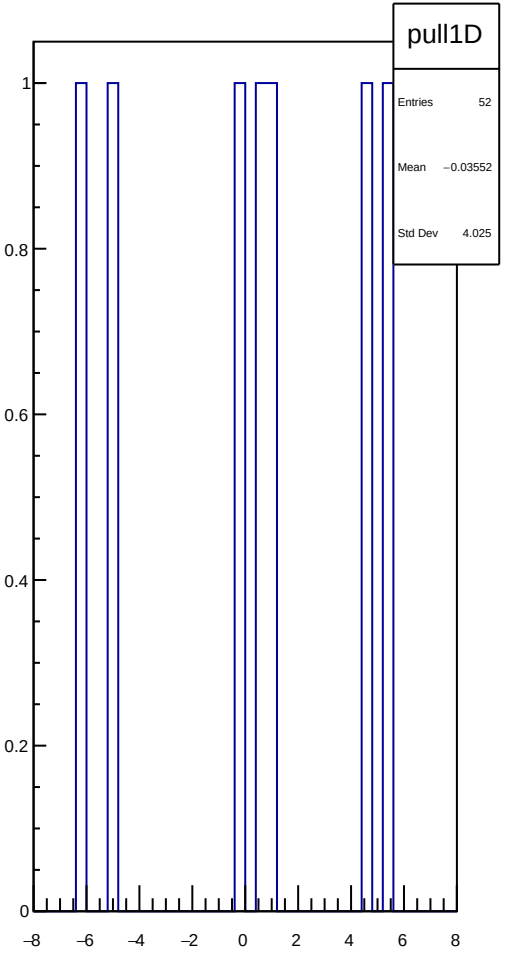

yield_bpm0i02X_rms vs run
χ² / ndf 7.705e+04 / 51
p0 0.01069 ± 1.097e–05
0.045
0.04
0.035
0.03
0.025
0.02
0.015
0.01
0.005
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 5
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

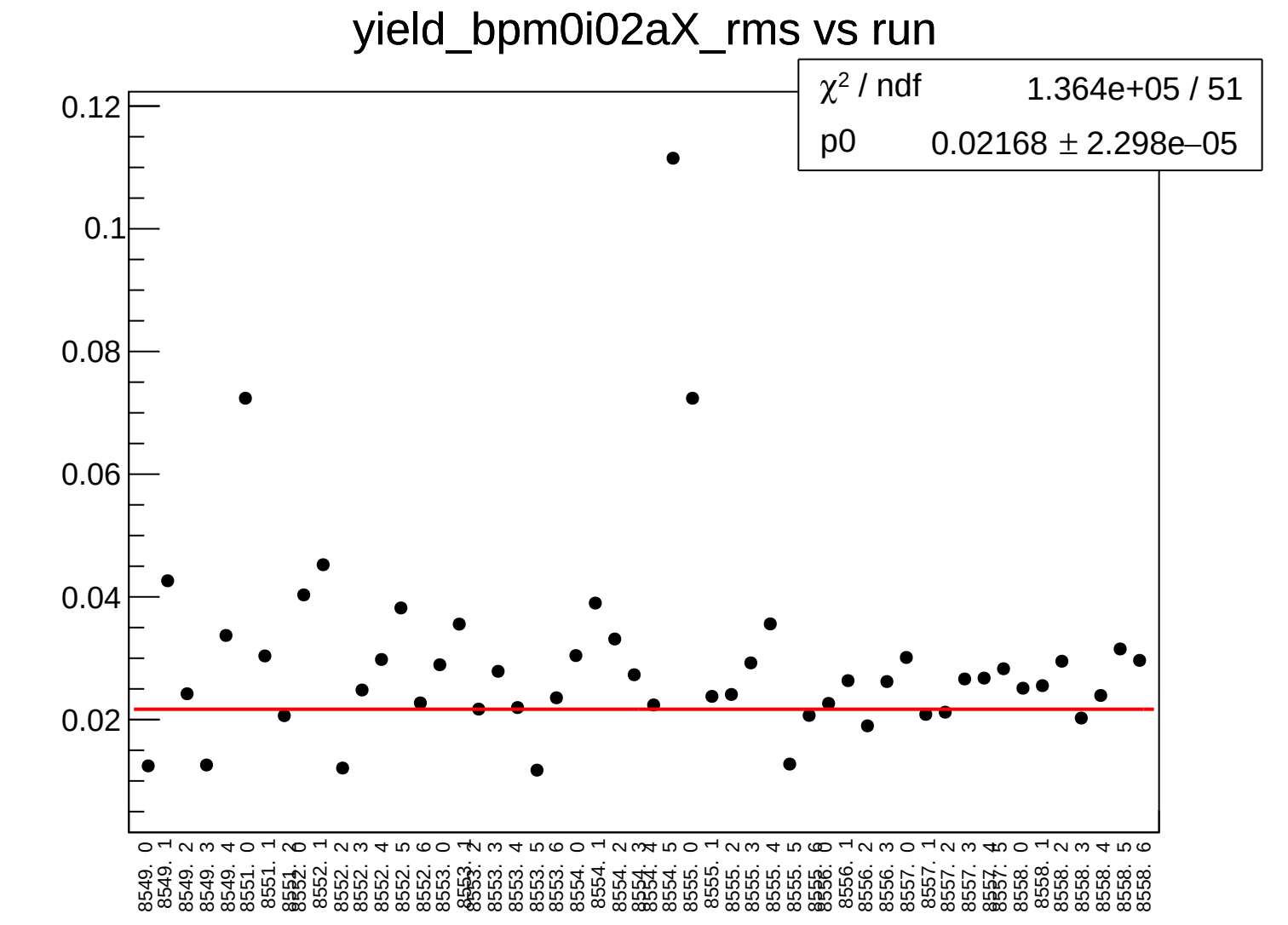

yield_bpm0i02Y_mean vs run
χ² / ndf 2.94e+05 / 51
p0 −3.671 ± 1.932e−05
−3.64
−3.65
−3.66
−3.67
−3.68
−3.69
pull
Entries 52
Mean −683
Std Dev 0
200
150
100
50
0
−50
−100

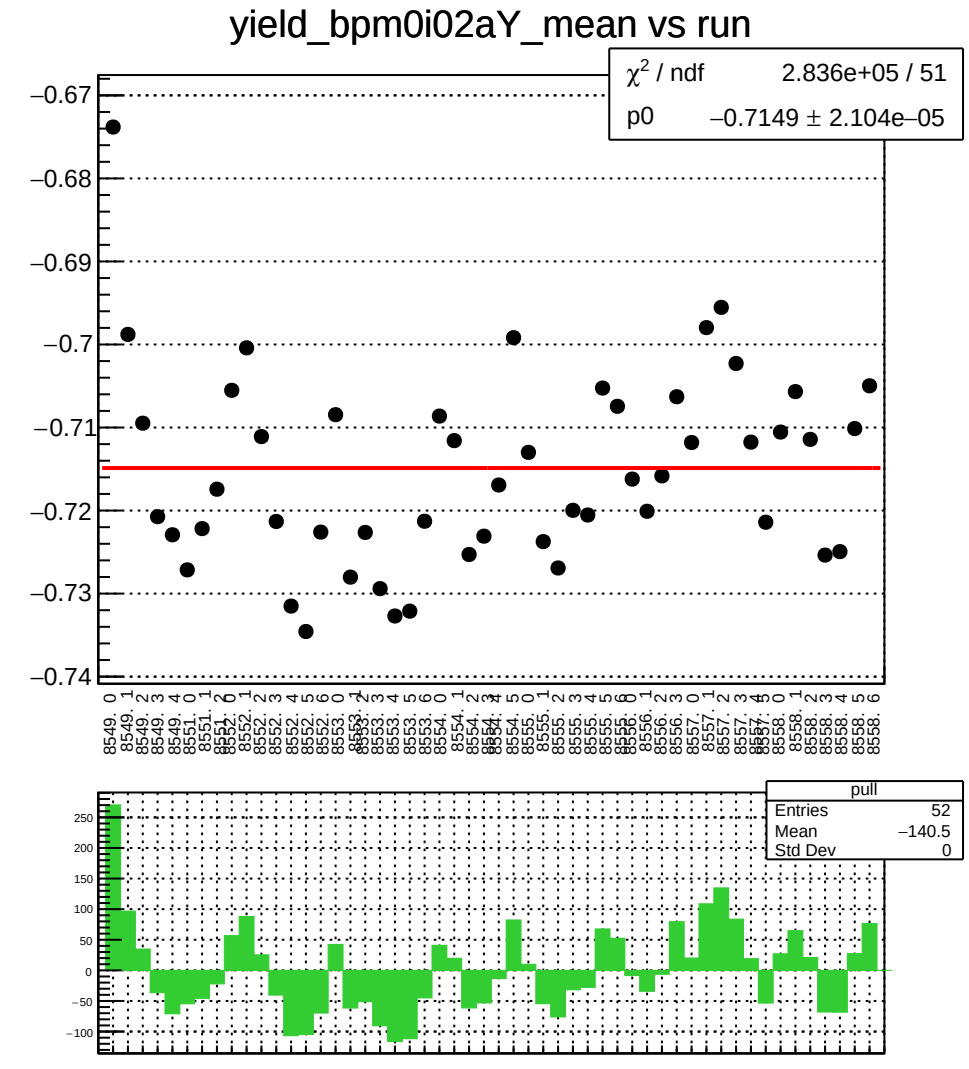

pull1D
Entries 52
Mean −1.268
Std Dev 3.52
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

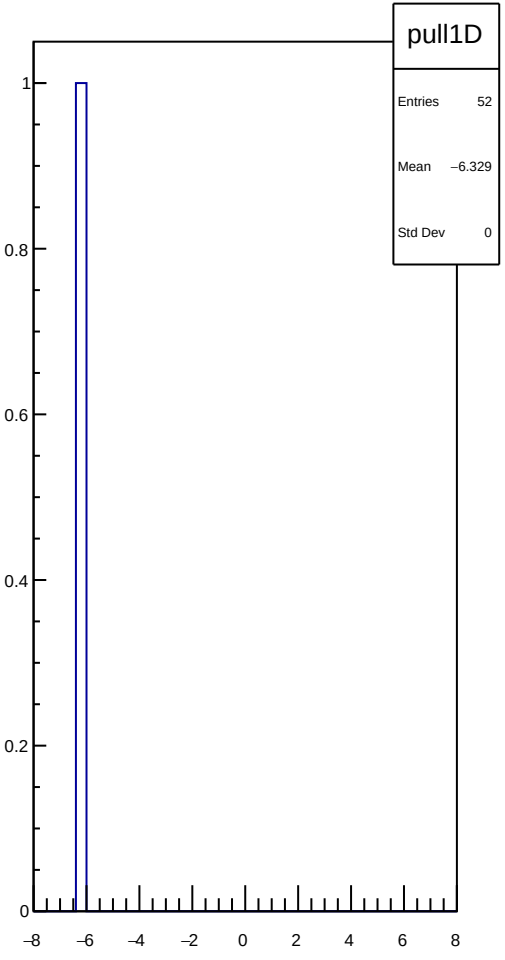

yield_bpm0i02Y_rms vs run
χ² / ndf 3513 / 51
p0 0.01382 ± 1.366e–05
0.0165
0.016
0.0155
0.015
0.0145
0.014
0.0135
0.013
0.0125
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 5
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

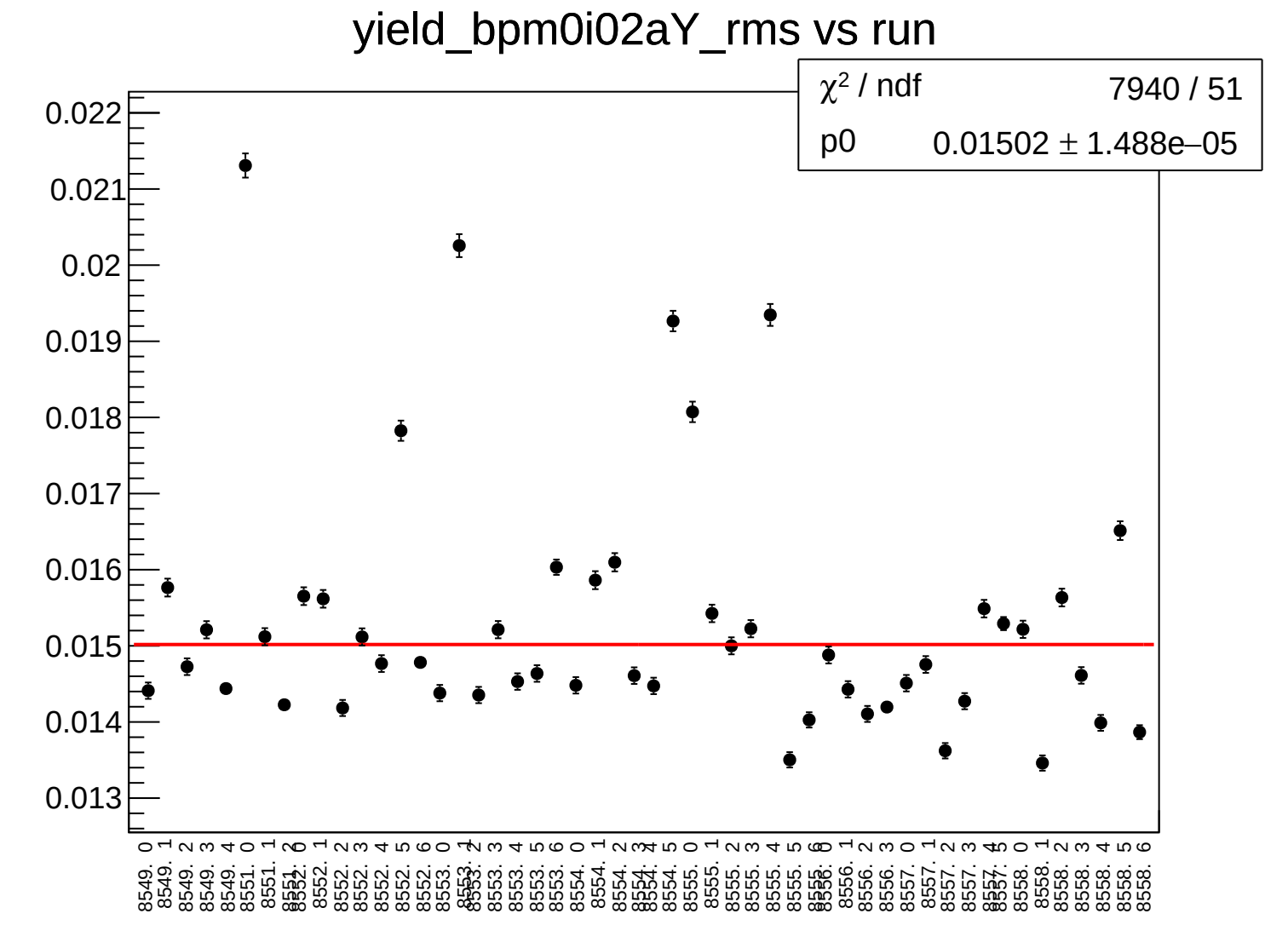

yield_bpm0i02aX_mean vs run
χ² / ndf 3.348e+06 / 51
p0 0.8646 ± 3.25e−05
0.9
0.85
0.8
0.75
0.7
0.65
pull
Entries 52
Mean 73.8
Std Dev 0
400
200
0
−200
−400
−600
−800
−1000
−1200
−1400
−1600
−1800

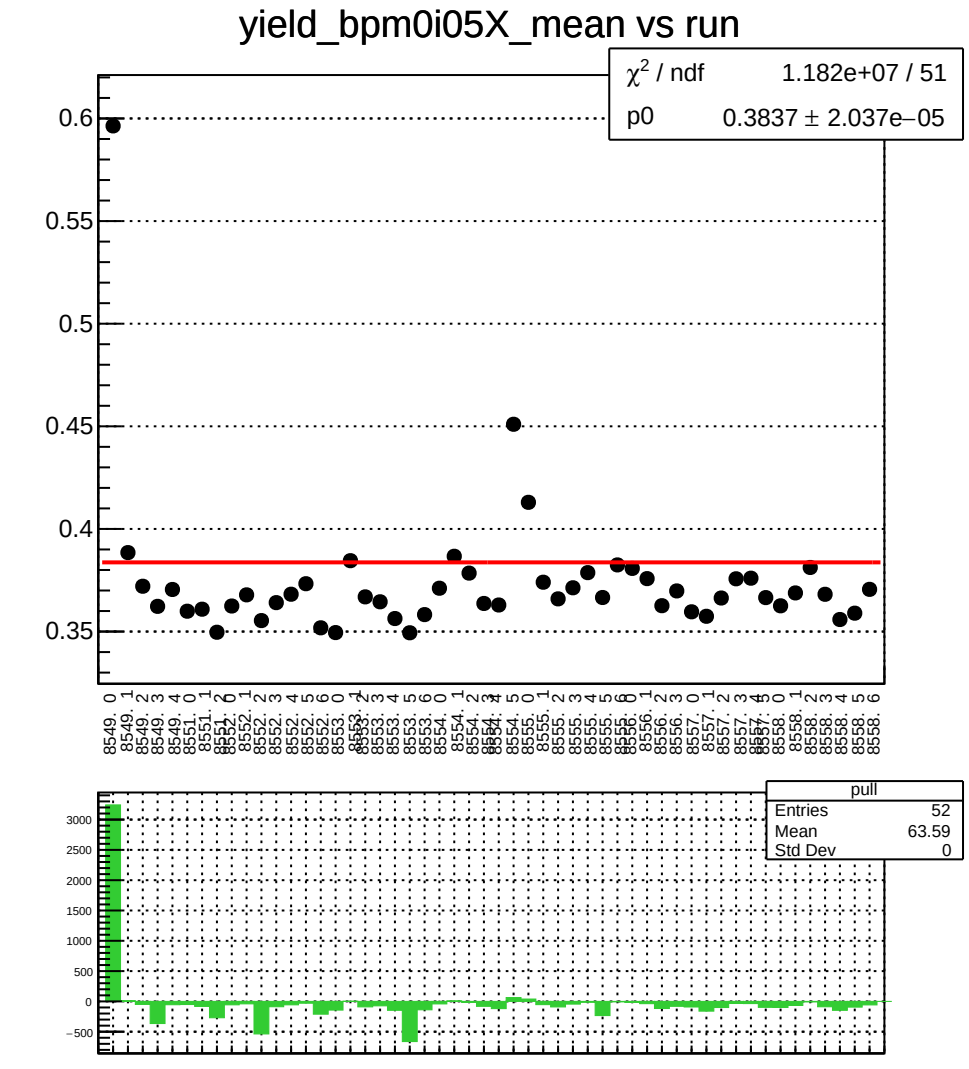

pull1D
Entries 52
Mean −0.03552
Std Dev 4.025
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

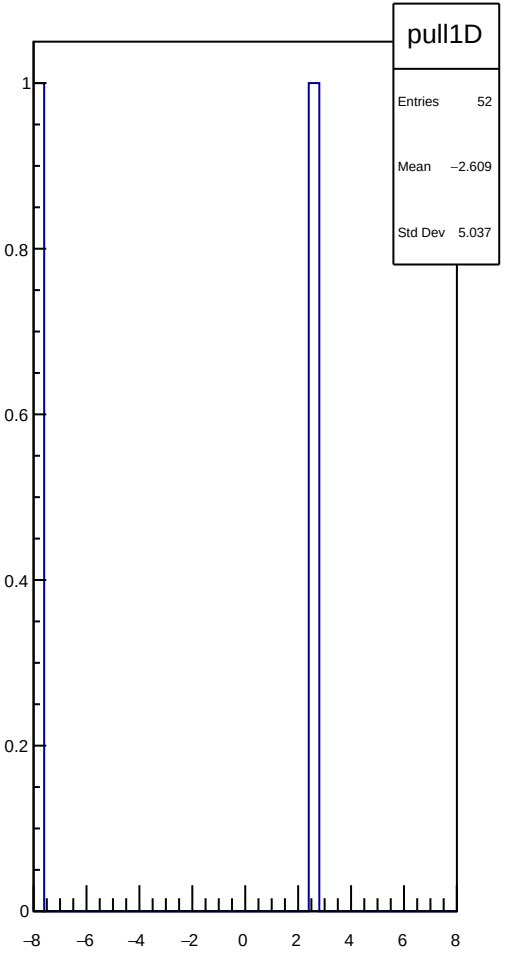

yield_bpm0i02aX_rms vs run
χ² / ndf 1.364e+05 / 51
p0 0.02168 ± 2.298e–05
0.12
0.1
0.08
0.06
0.04
0.02
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 5
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

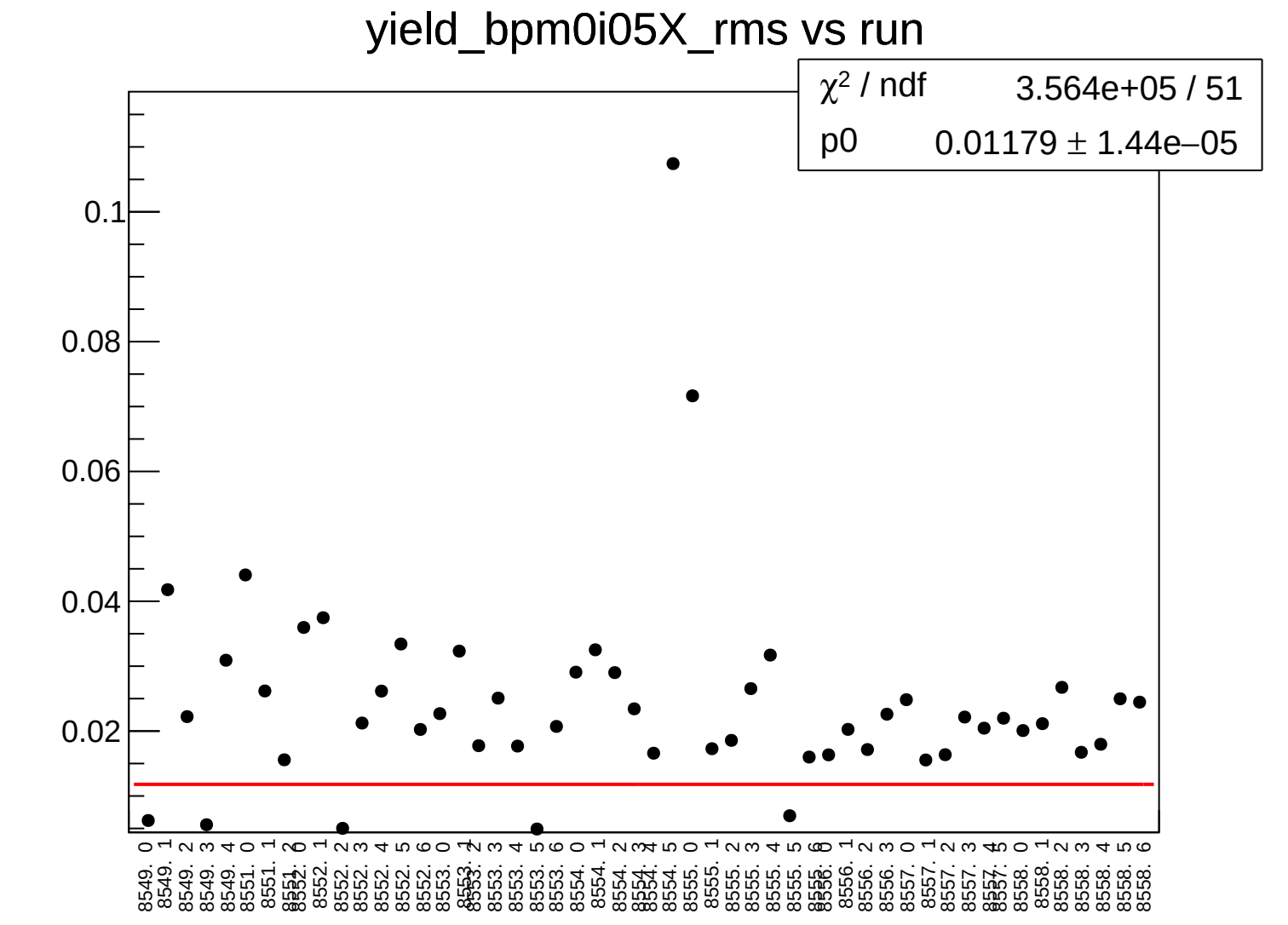

yield_bpm0i02aY_mean vs run
χ² / ndf 2.836e+05 / 51
p0 −0.7149 ± 2.104e−05
pull
Entries 52
Mean −140.5
Std Dev 0

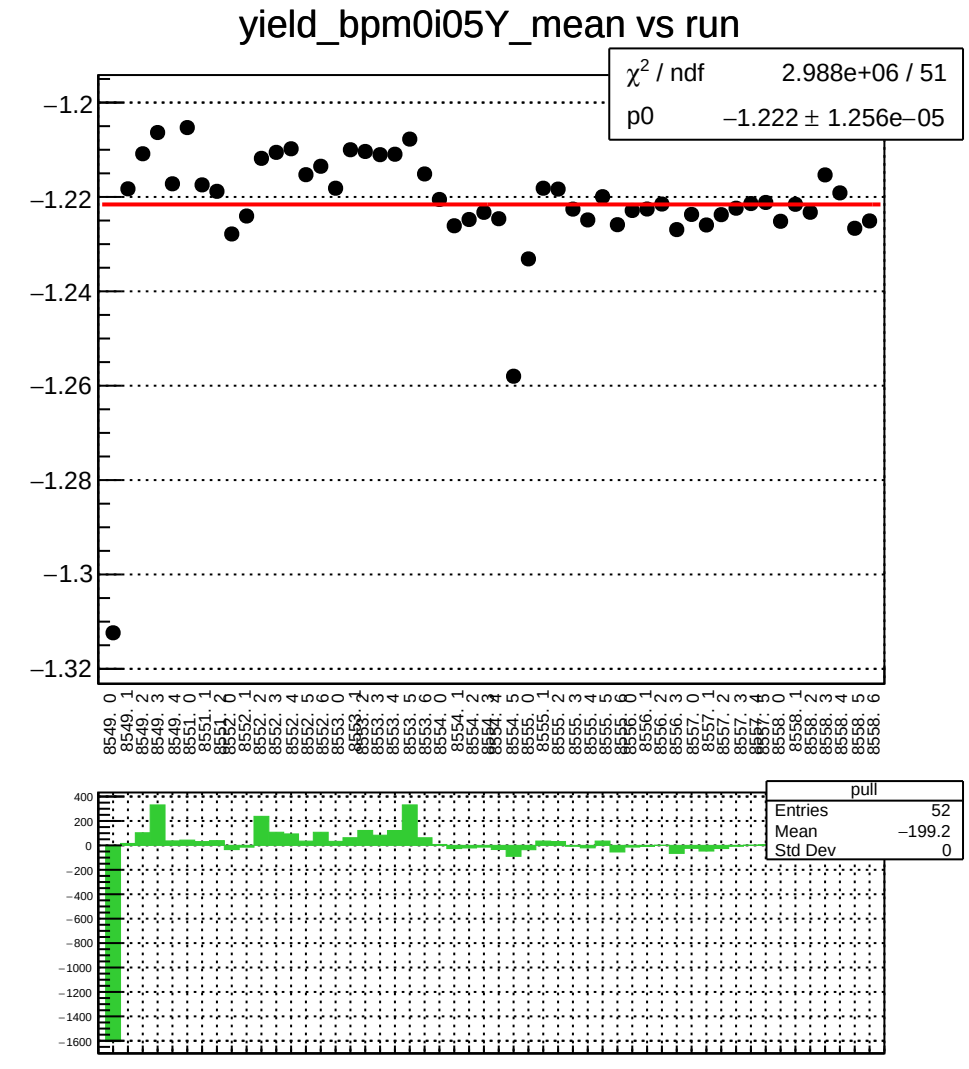

pull1D
Entries 52
Mean −6.329
Std Dev 0

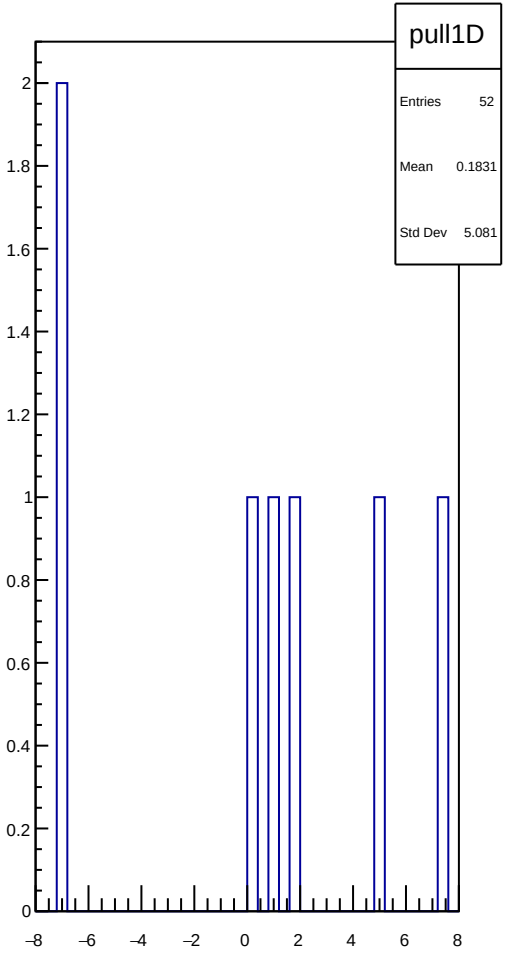

yield_bpm0i02aY_rms vs run
χ² / ndf 7940 / 51
p0 0.01502 ± 1.488e−05
0.022
0.021
0.02
0.019
0.018
0.017
0.016
0.015
0.014
0.013
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 5
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

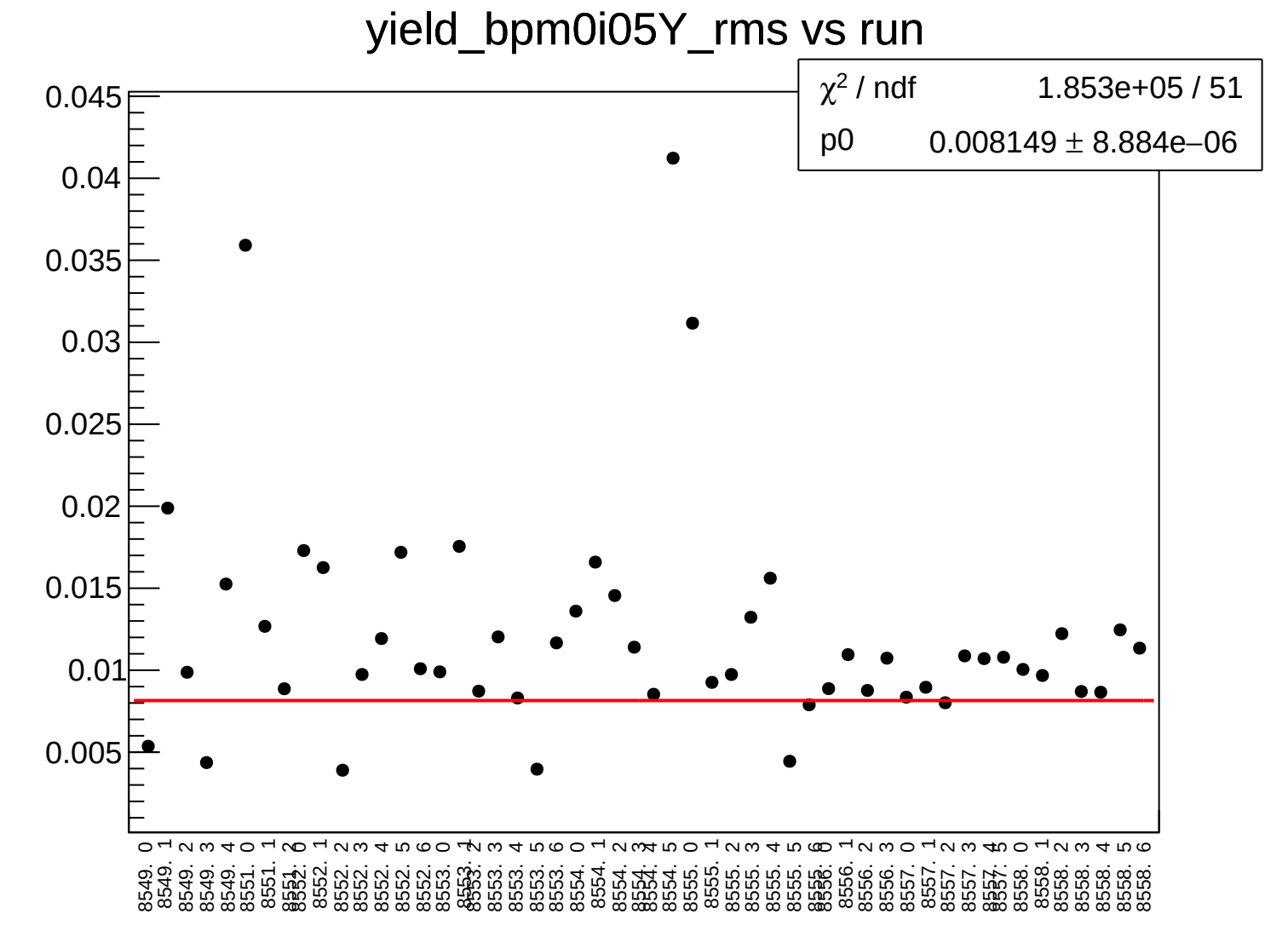

yield_bpm0i05X_mean vs run
χ² / ndf 1.182e+07 / 51
p0 0.3837 ± 2.037e−05
pull
Entries 52
Mean 63.59
Std Dev 0

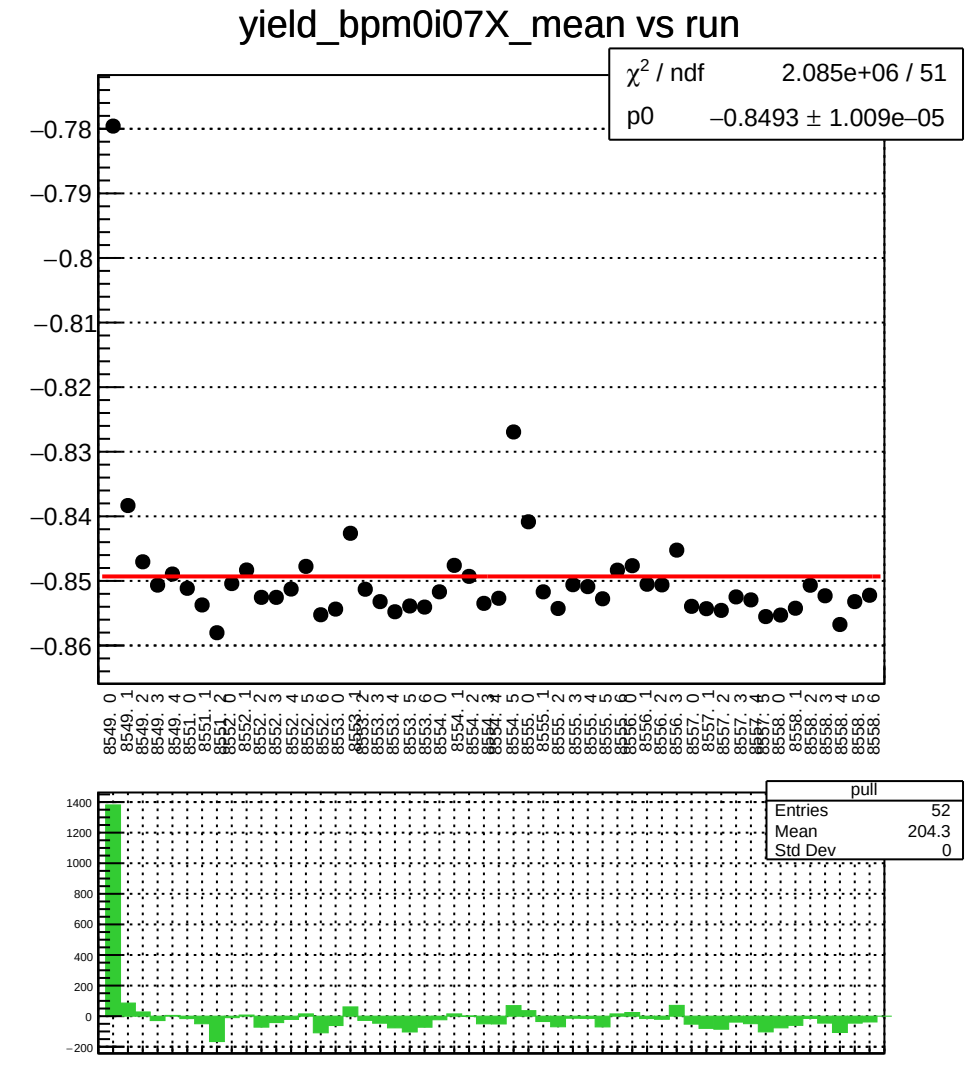

pull1D
Entries 52
Mean −2.609
Std Dev 5.037

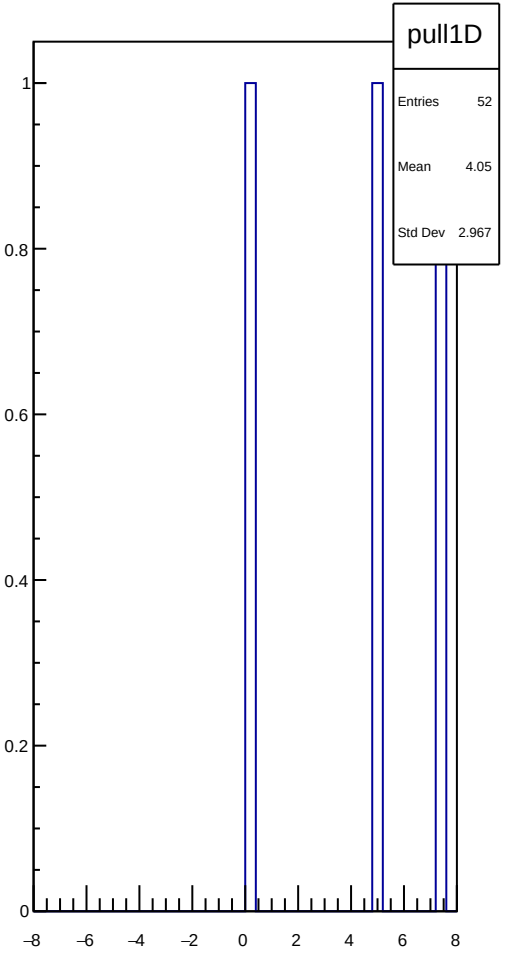

yield_bpm0i05X_rms vs run
χ² / ndf 3.564e+05 / 51
p0 0.01179 ± 1.44e−05
0.1
0.08
0.06
0.04
0.02
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

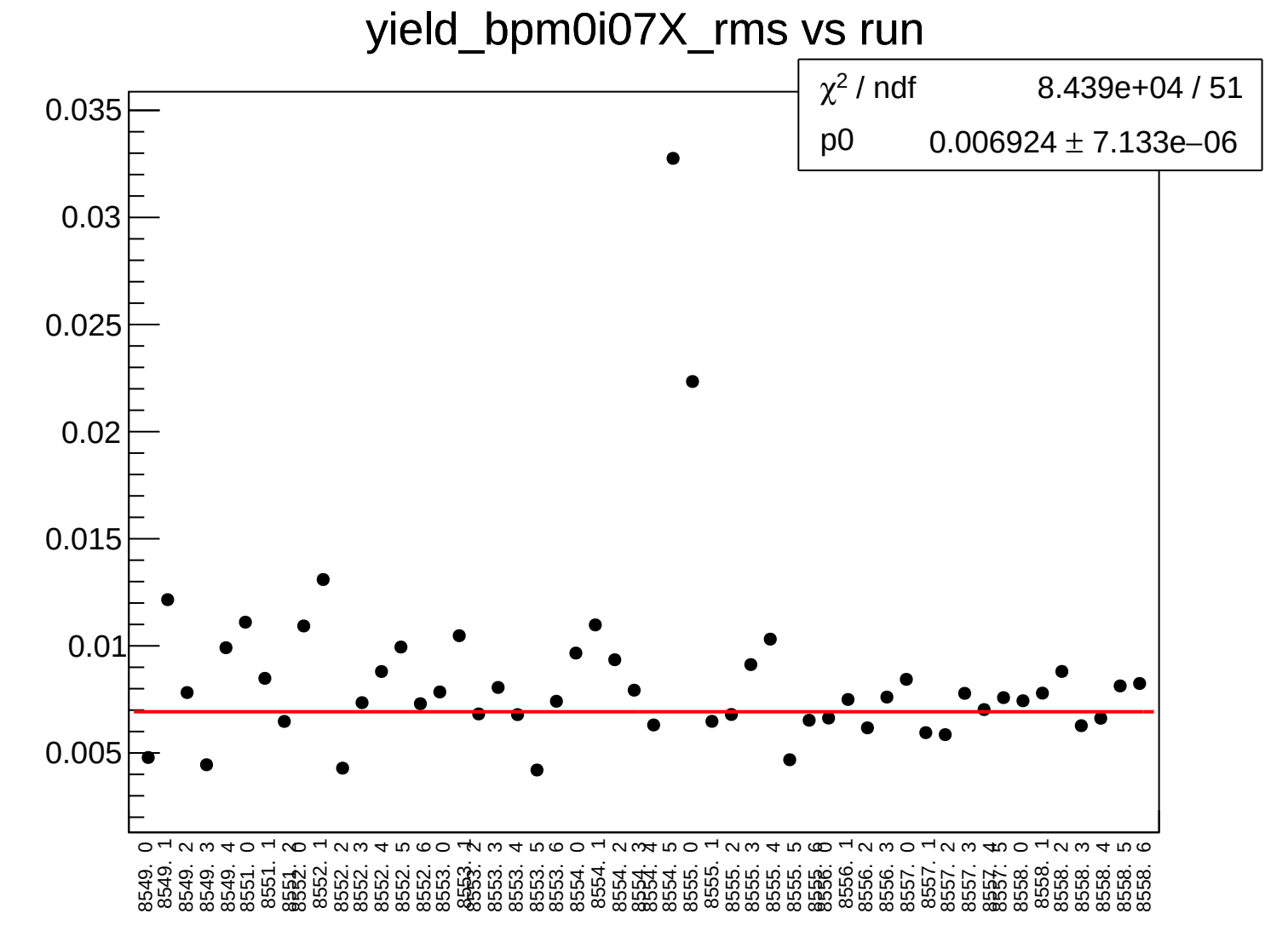

yield_bpm0i05Y_mean vs run
χ² / ndf 2.988e+06 / 51
p0 −1.222 ± 1.256e−05
−1.2
−1.22
−1.24
−1.26
−1.28
−1.3
−1.32
pull
Entries 52
Mean −199.2
Std Dev 0
400
200
0
−200
−400
−600
−800
−1000
−1200
−1400
−1600

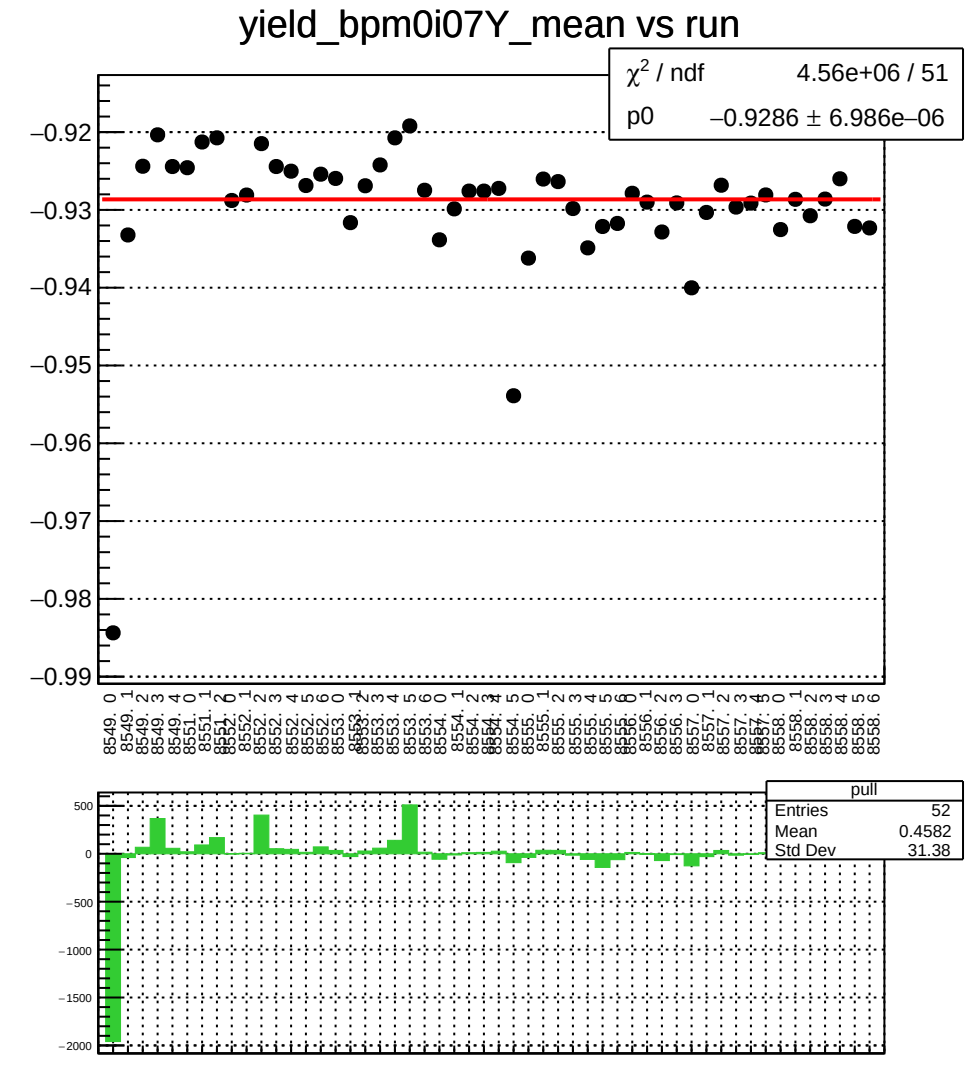

pull1D
Entries 52
Mean 0.1831
Std Dev 5.081
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

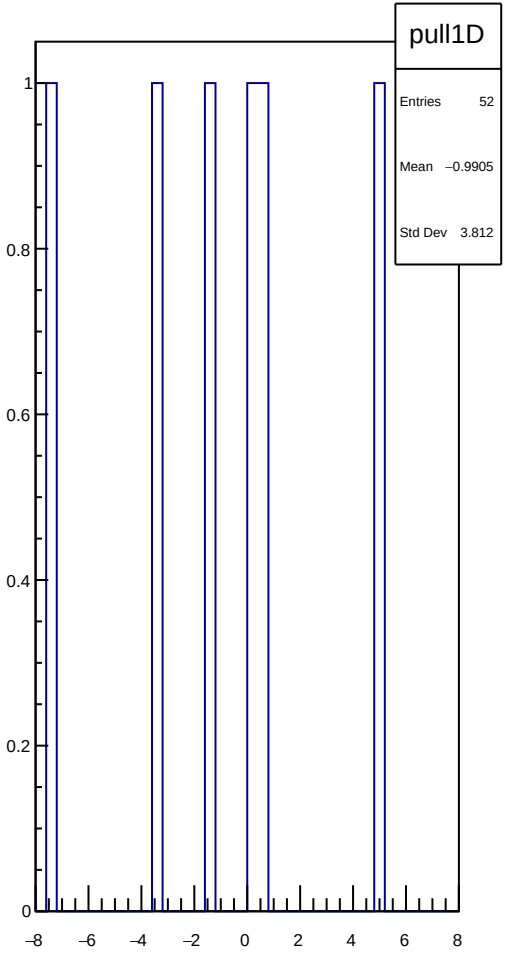

yield_bpm0i05Y_rms vs run
χ² / ndf 1.853e+05 / 51
p0 0.008149 ± 8.884e−06
0.045
0.04
0.035
0.03
0.025
0.02
0.015
0.01
0.005
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 5
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

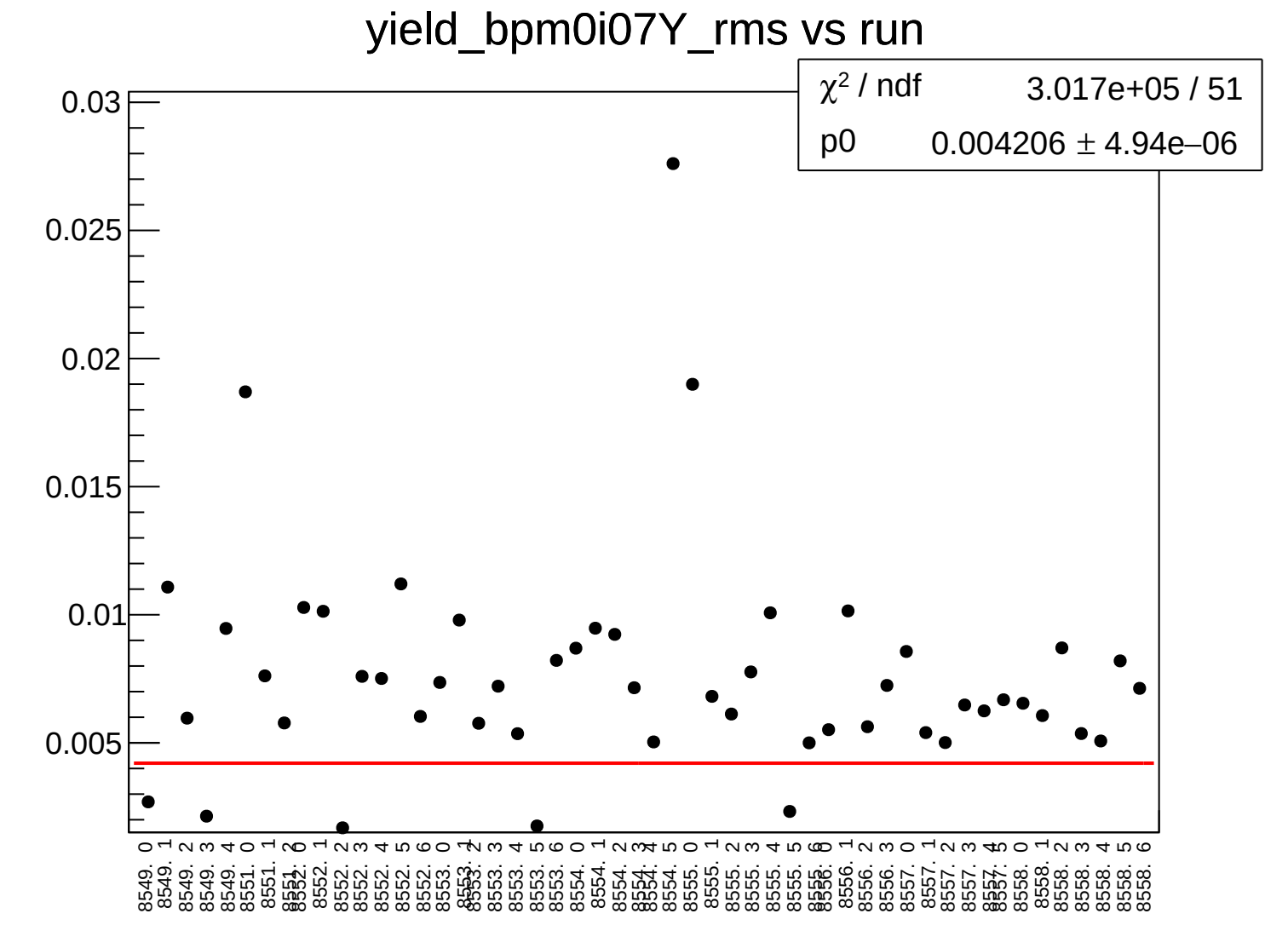

yield_bpm0i07X_mean vs run
χ² / ndf 2.085e+06 / 51
p0 −0.8493 ± 1.009e−05
pull
Entries 52
Mean 204.3
Std Dev 0

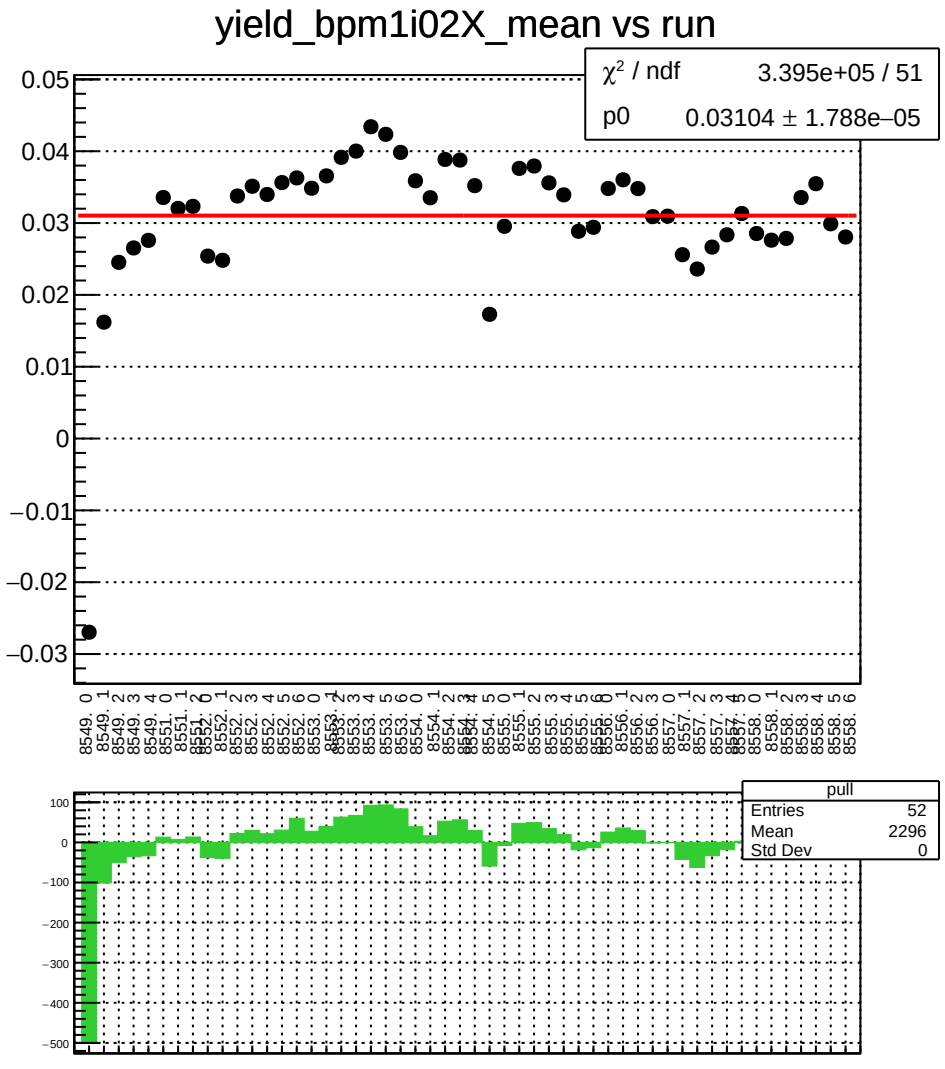

pull1D
Entries 52
Mean 4.05
Std Dev 2.967

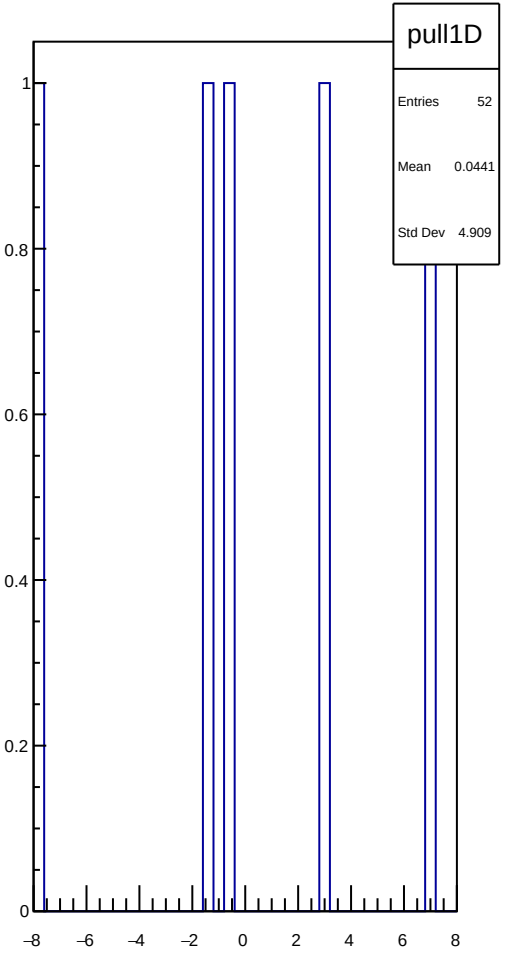

yield_bpm0i07X_rms vs run
χ² / ndf 8.439e+04 / 51
p0 0.006924 ± 7.133e−06
0.035
0.03
0.025
0.02
0.015
0.01
0.005
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 5
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

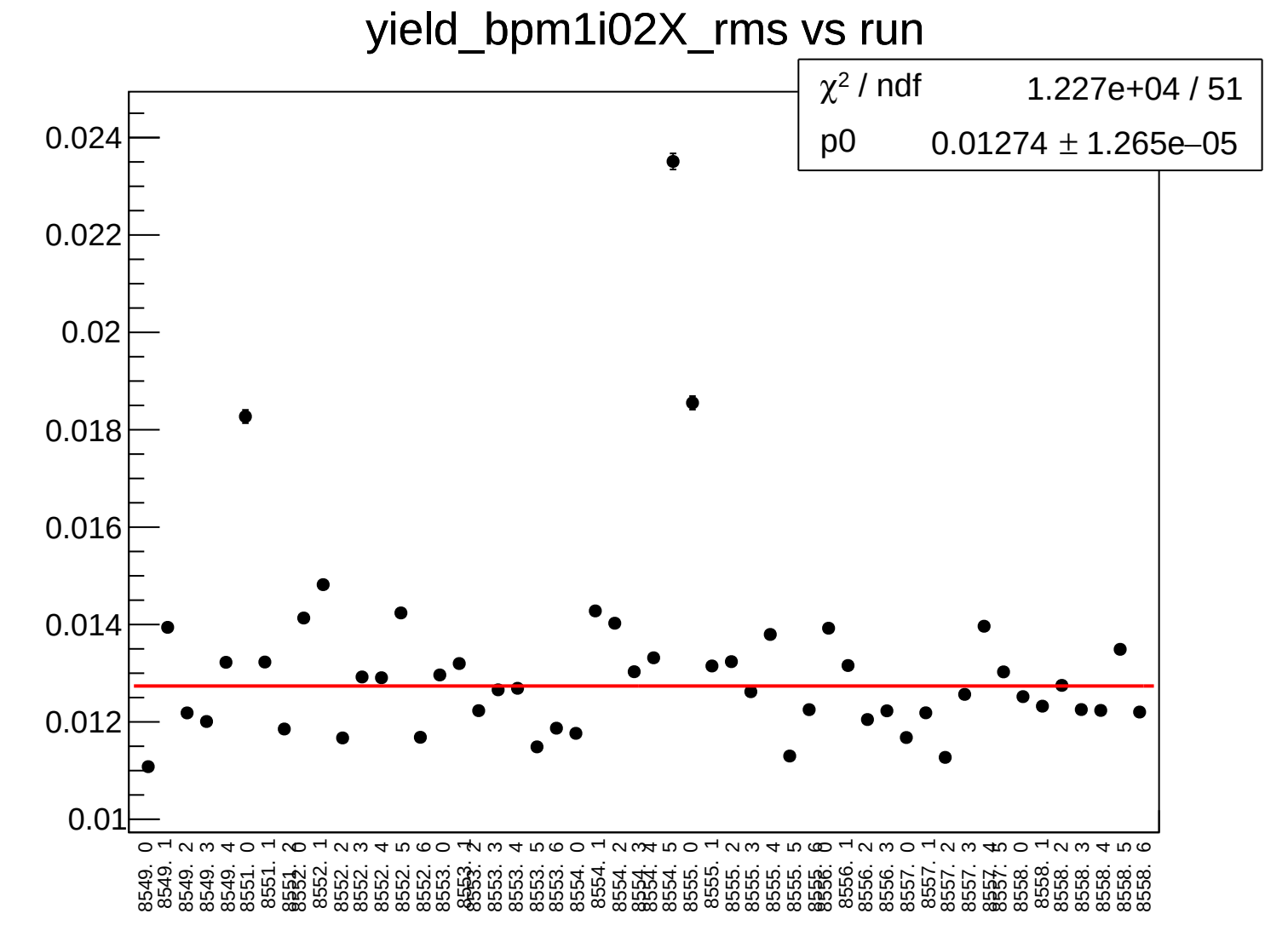

yield_bpm0i07Y_mean vs run
χ² / ndf 4.56e+06 / 51
p0 −0.9286 ± 6.986e−06
−0.92
−0.93
−0.94
−0.95
−0.96
−0.97
−0.98
−0.99
pull
Entries 52
Mean 0.4582
Std Dev 31.38
500
0
−500
−1000
−1500
−2000

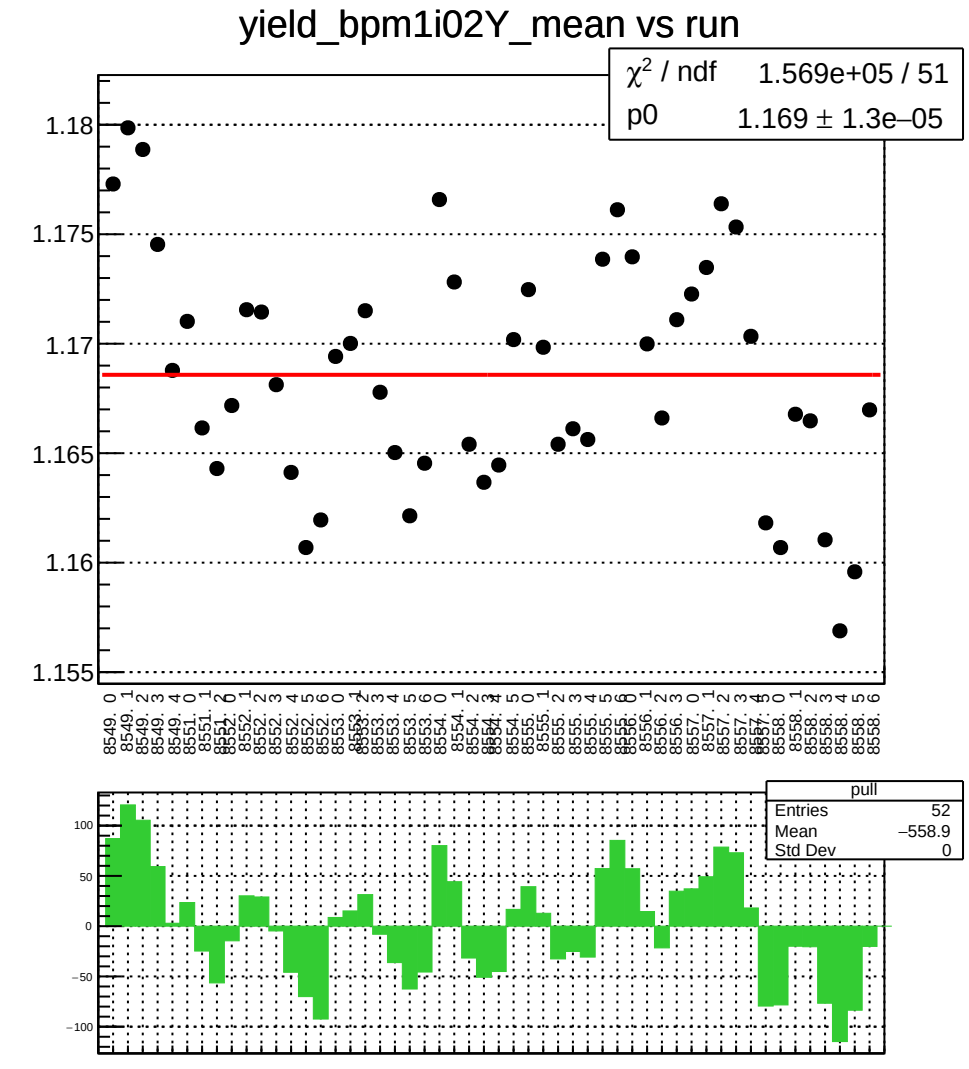

pull1D
Entries 52
Mean −0.9905
Std Dev 3.812
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

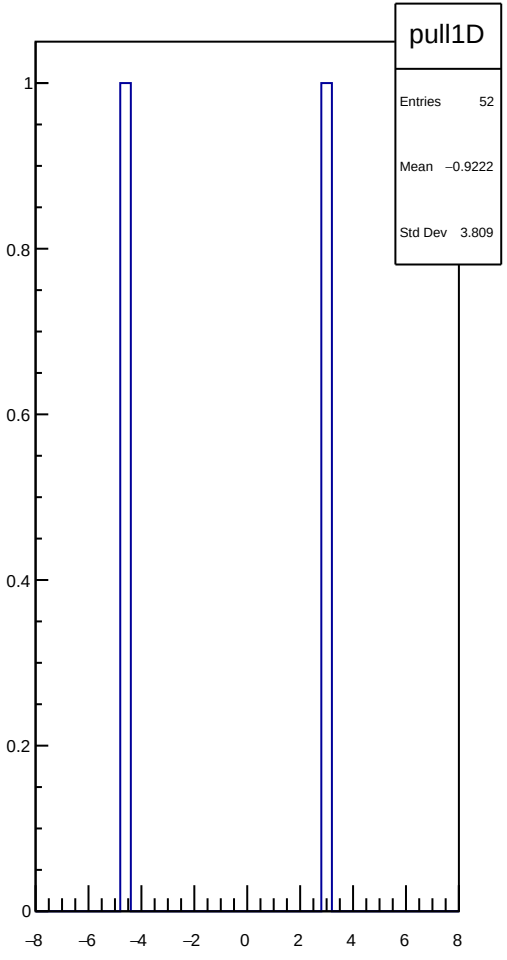

yield_bpm0i07Y_rms vs run
χ² / ndf 3.017e+05 / 51
p0 0.004206 ± 4.94e–06
0.03
0.025
0.02
0.015
0.01
0.005
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 5
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

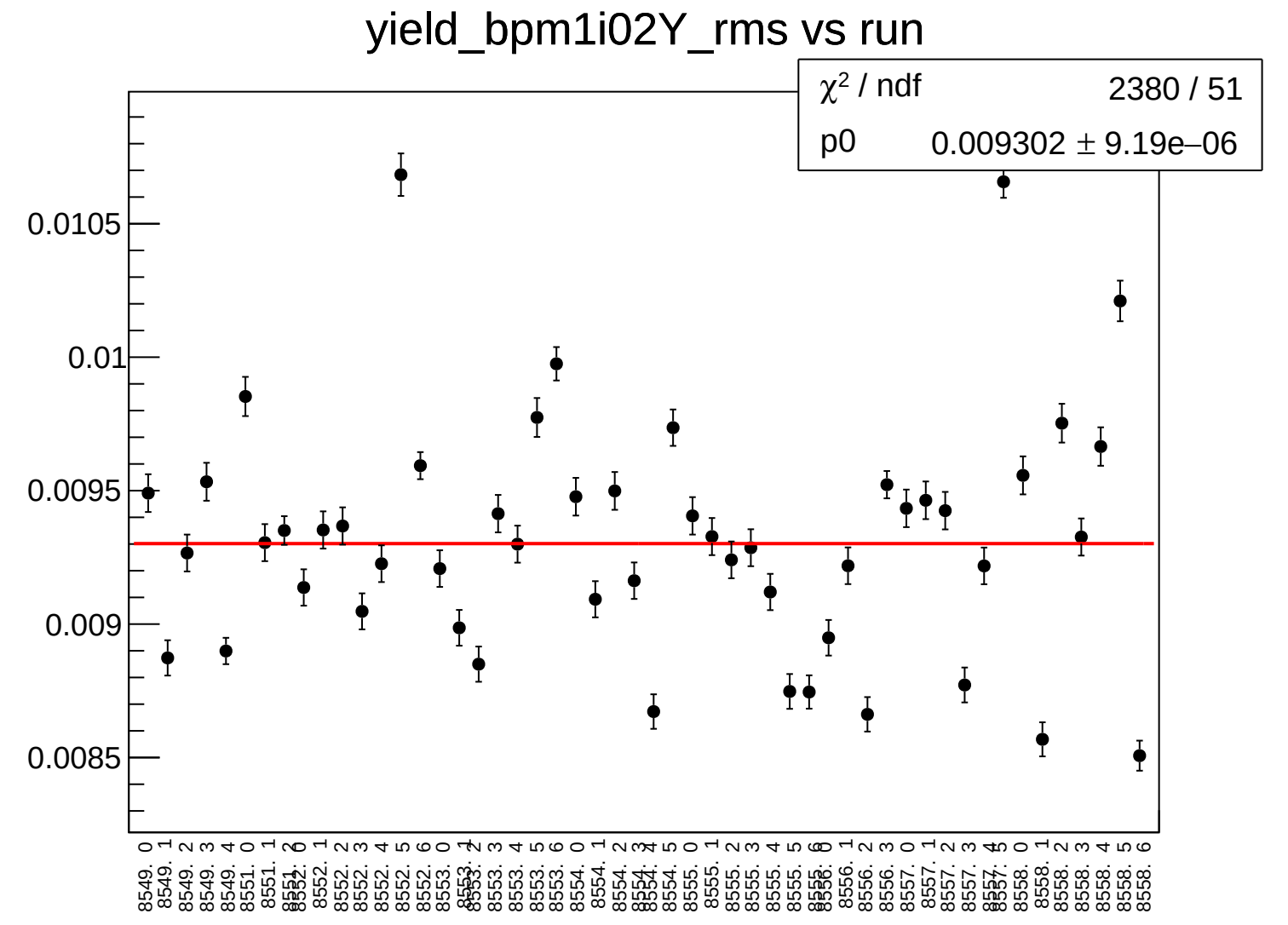

yield_bpm1i02X_mean vs run
χ² / ndf 3.395e+05 / 51
p0 0.03104 ± 1.788e−05
pull
Entries 52
Mean 2296
Std Dev 0

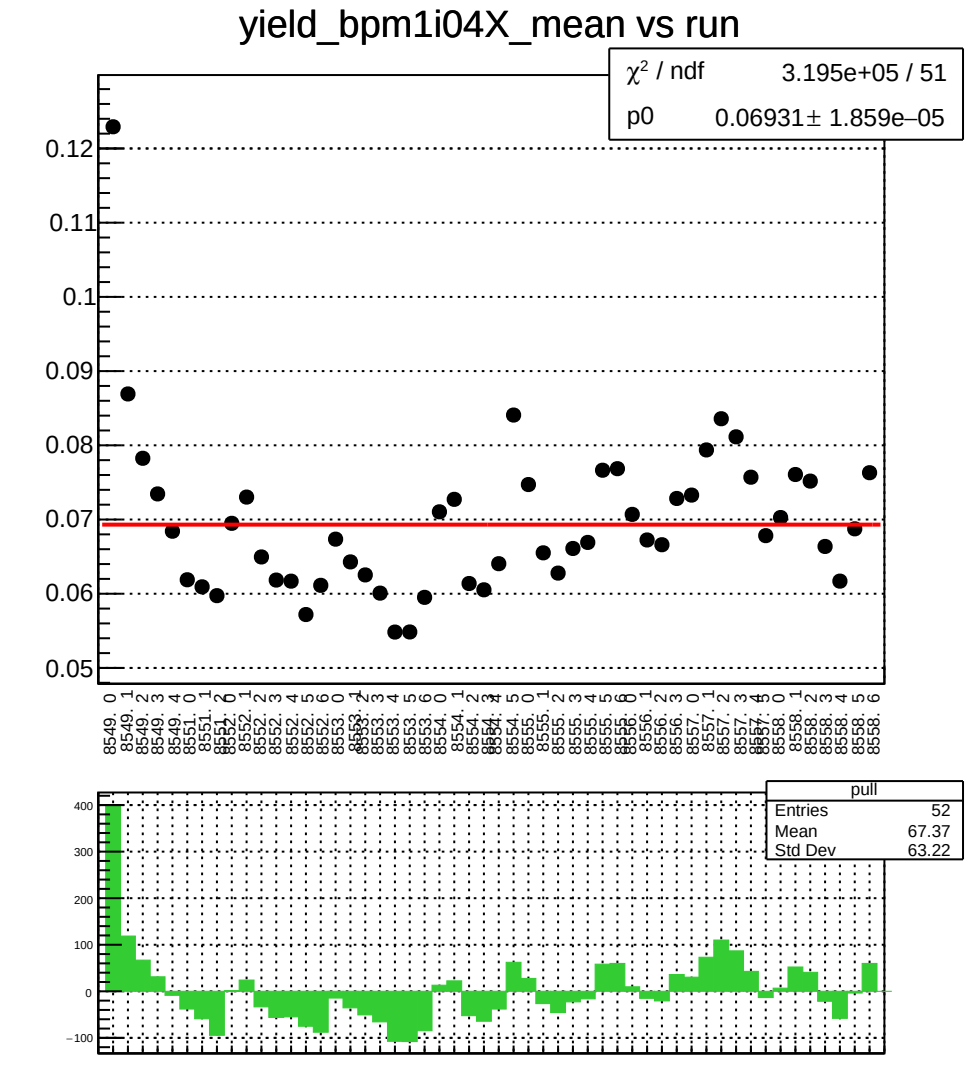

pull1D
Entries 52
Mean 0.0441
Std Dev 4.909

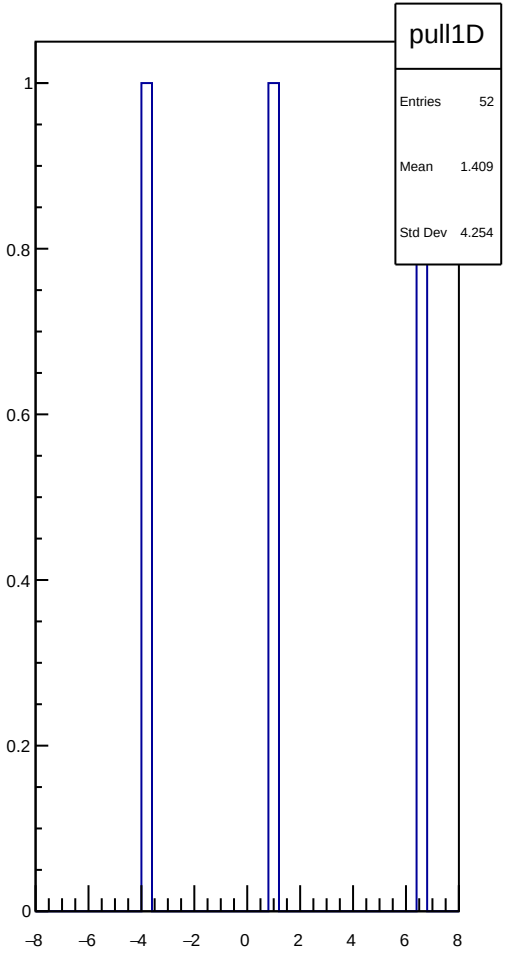

yield_bpm1i02X_rms vs run
χ² / ndf 1.227e+04 / 51
p0 0.01274 ± 1.265e–05
0.024
0.022
0.02
0.018
0.016
0.014
0.012
0.01
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 5
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

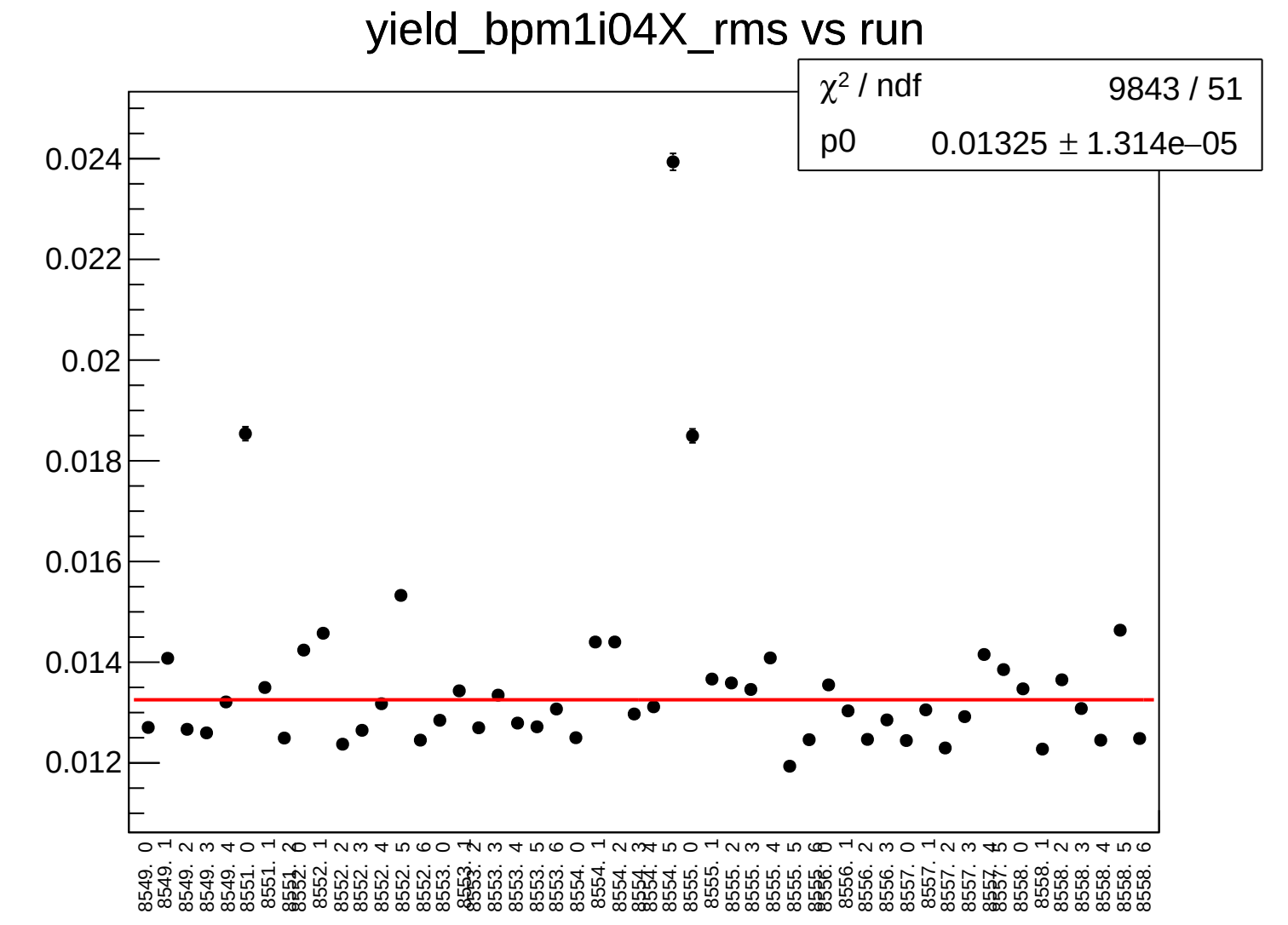

yield_bpm1i02Y_mean vs run
χ² / ndf 1.569e+05 / 51
p0 1.169 ± 1.3e–05
1.18
1.175
1.17
1.165
1.16
1.155
pull
Entries 52
Mean –558.9
Std Dev 0
100
50
0
–50
–100

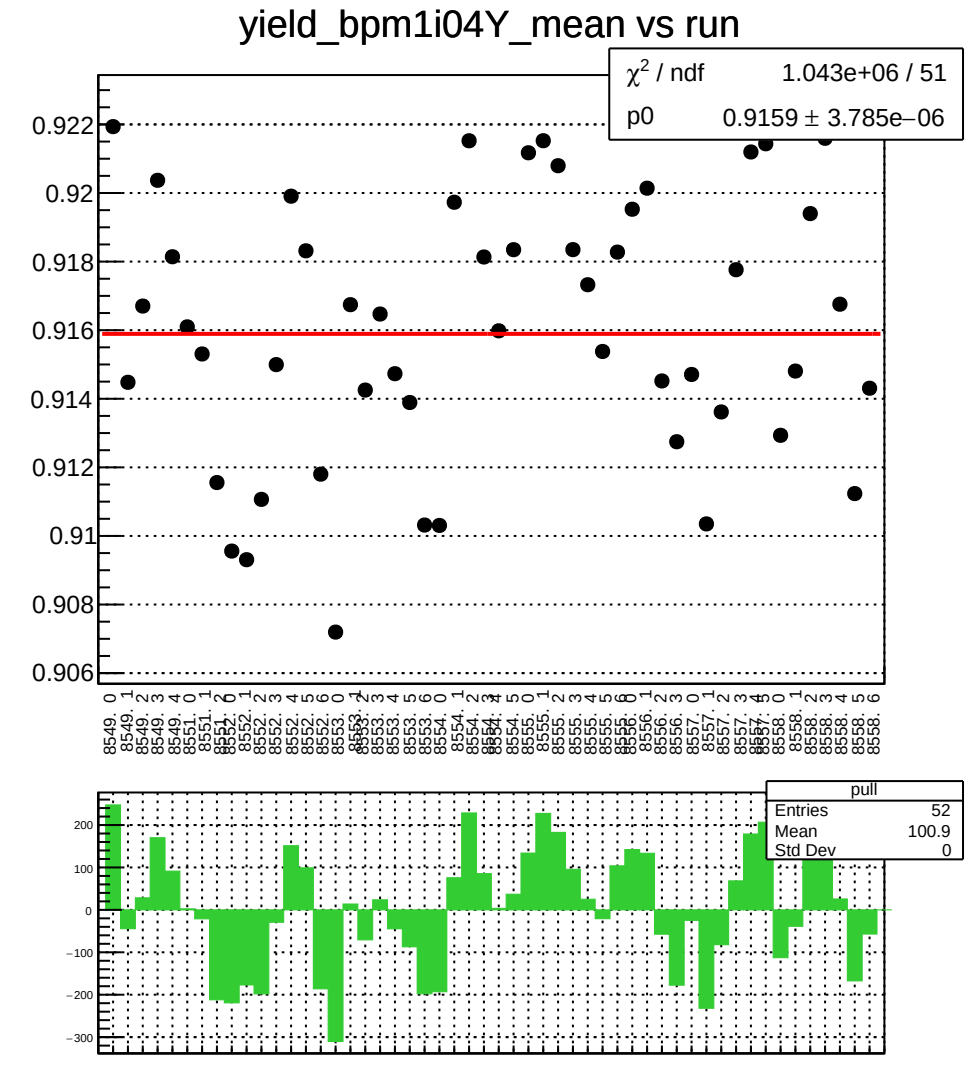

pull1D
Entries 52
Mean –0.9222
Std Dev 3.809
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

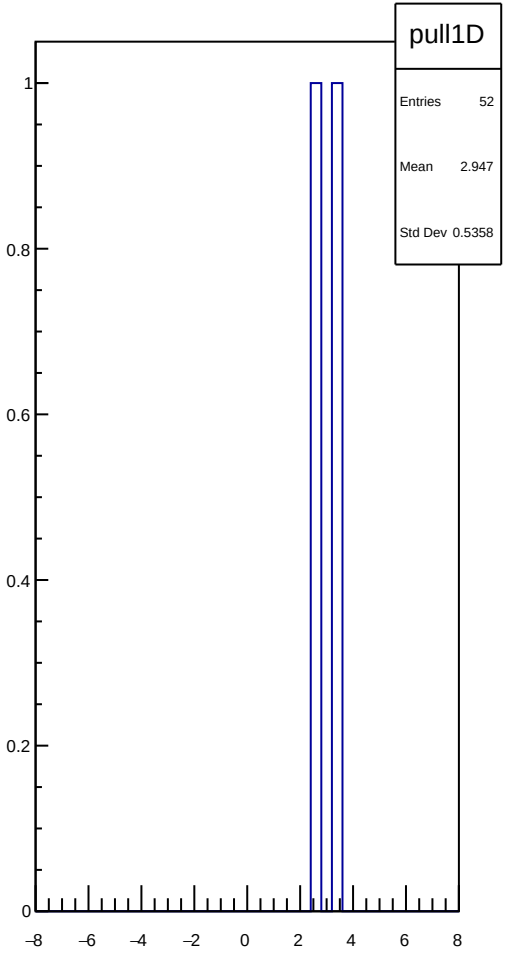

yield_bpm1i02Y_rms vs run
χ² / ndf 2380 / 51
p0 0.009302 ± 9.19e–06
0.0105
0.01
0.0095
0.009
0.0085
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 5
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

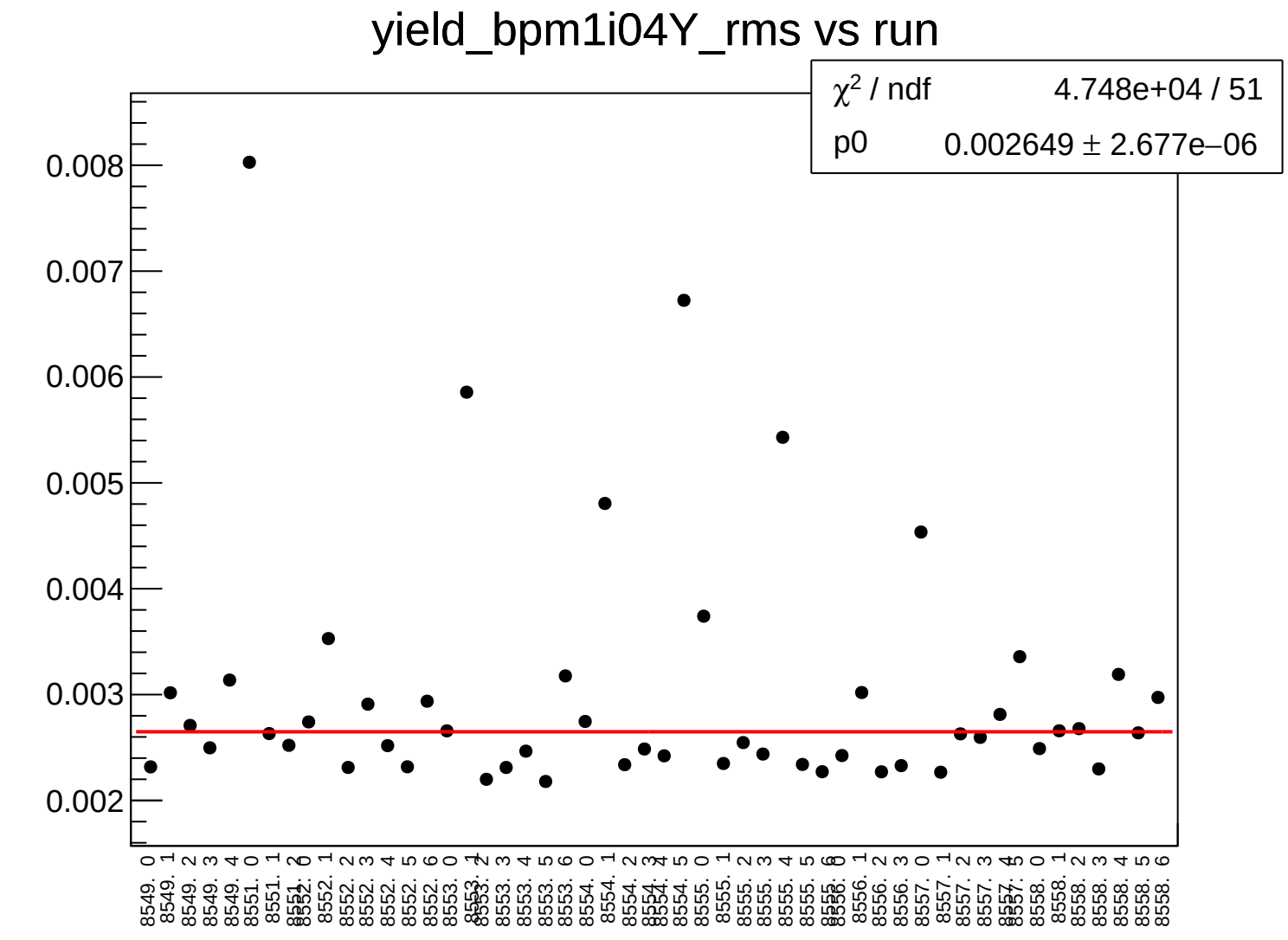

yield_bpm1i04X_mean vs run
χ² / ndf 3.195e+05 / 51
p0 0.06931± 1.859e−05
pull
Entries 52
Mean 67.37
Std Dev 63.22

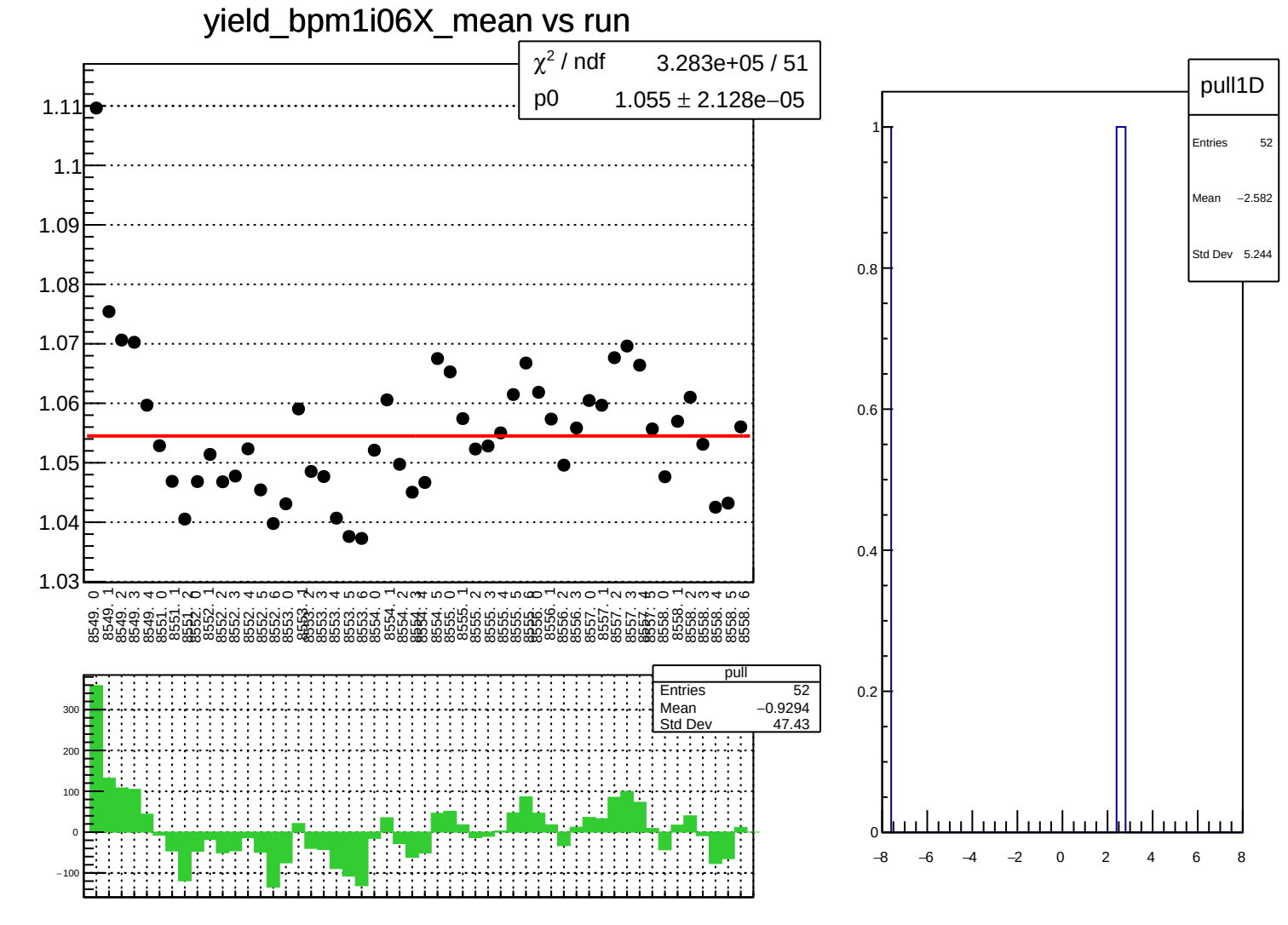

pull1D
Entries 52
Mean 1.409
Std Dev 4.254

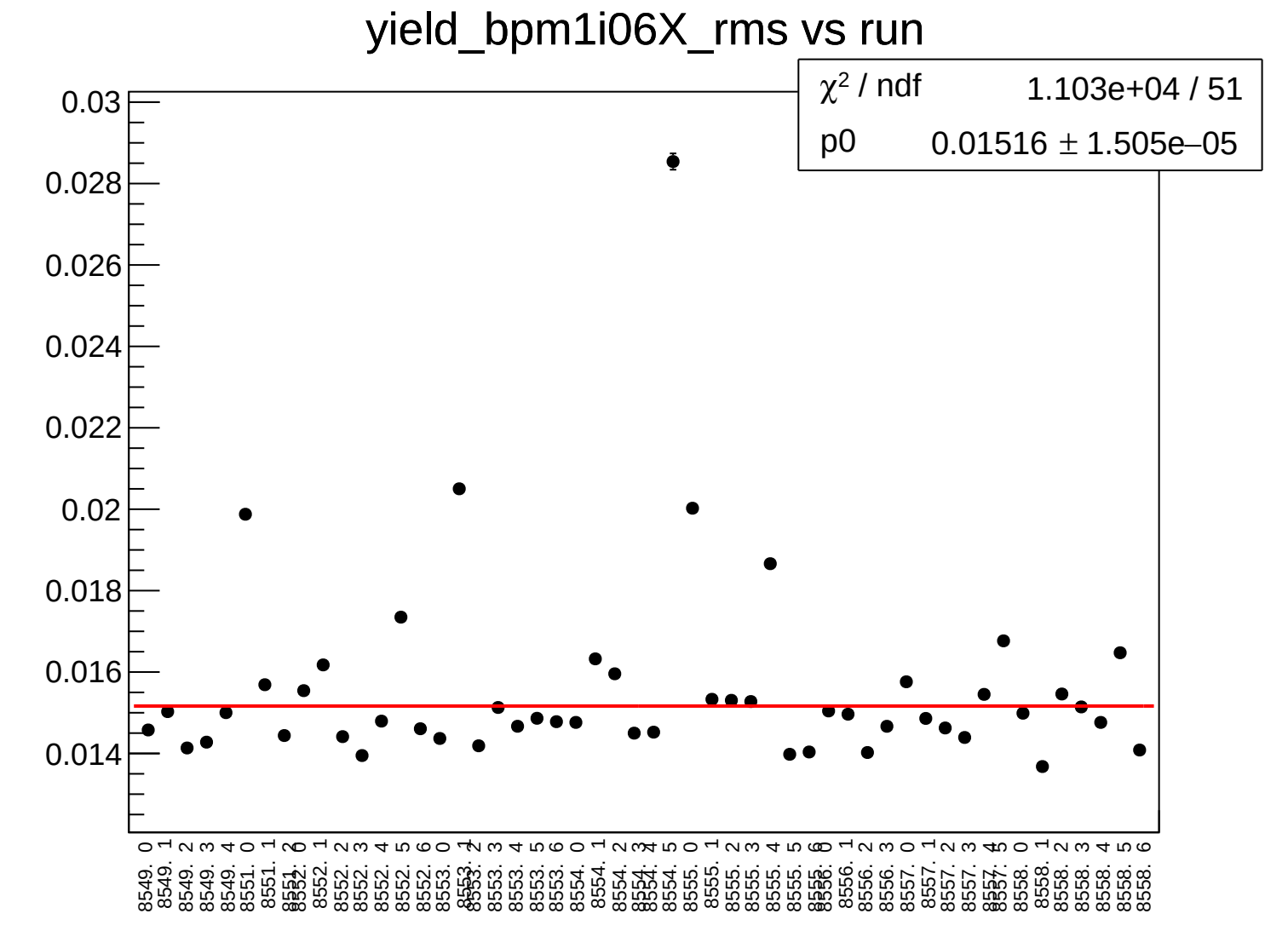

yield_bpm1i04X_rms vs run
χ² / ndf 9843 / 51
p0 0.01325 ± 1.314e−05
0.024
0.022
0.02
0.018
0.016
0.014
0.012
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 5
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

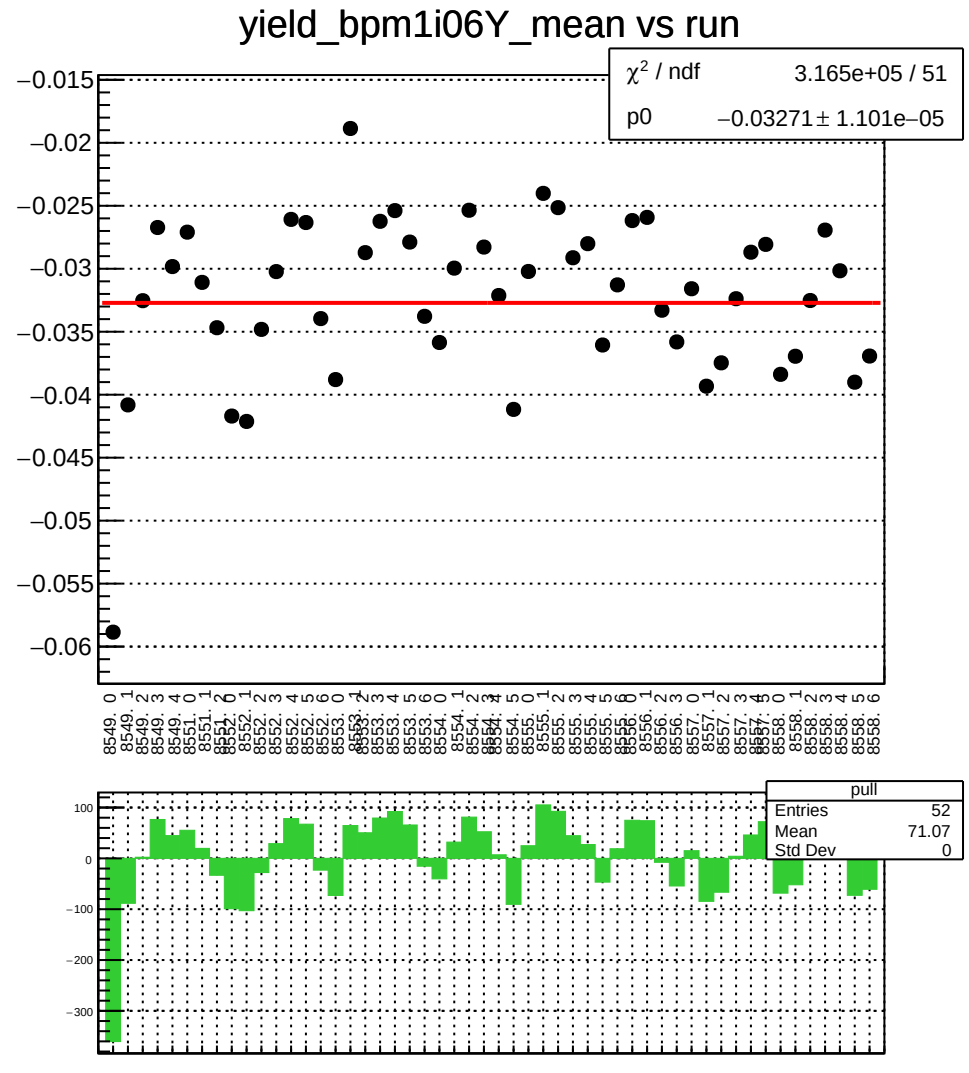

yield_bpm1i04Y_mean vs run
χ² / ndf 1.043e+06 / 51
p0 0.9159 ± 3.785e−06
0.922
0.92
0.918
0.916
0.914
0.912
0.91
0.908
0.906
pull
Entries 52
Mean 100.9
Std Dev 0
200
100
0
−100
−200
−300

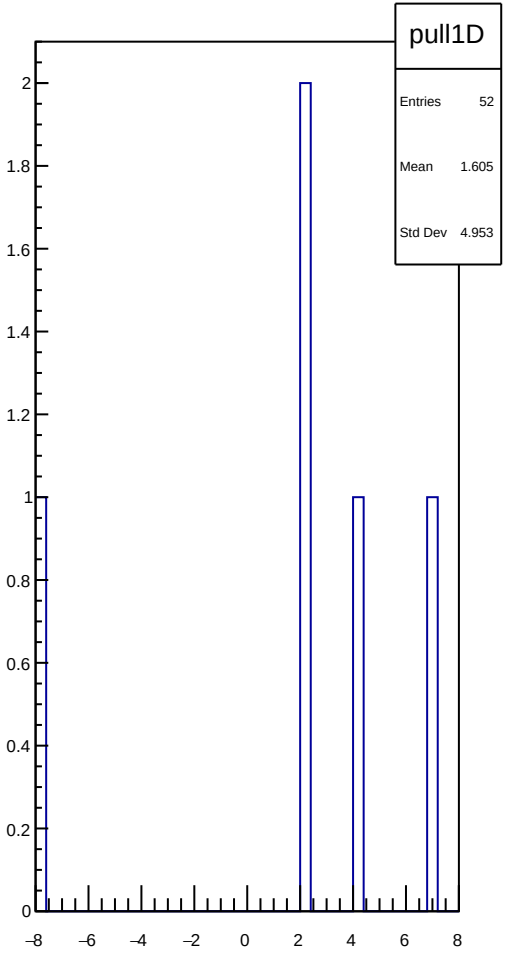

pull1D
Entries 52
Mean 2.947
Std Dev 0.5358
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

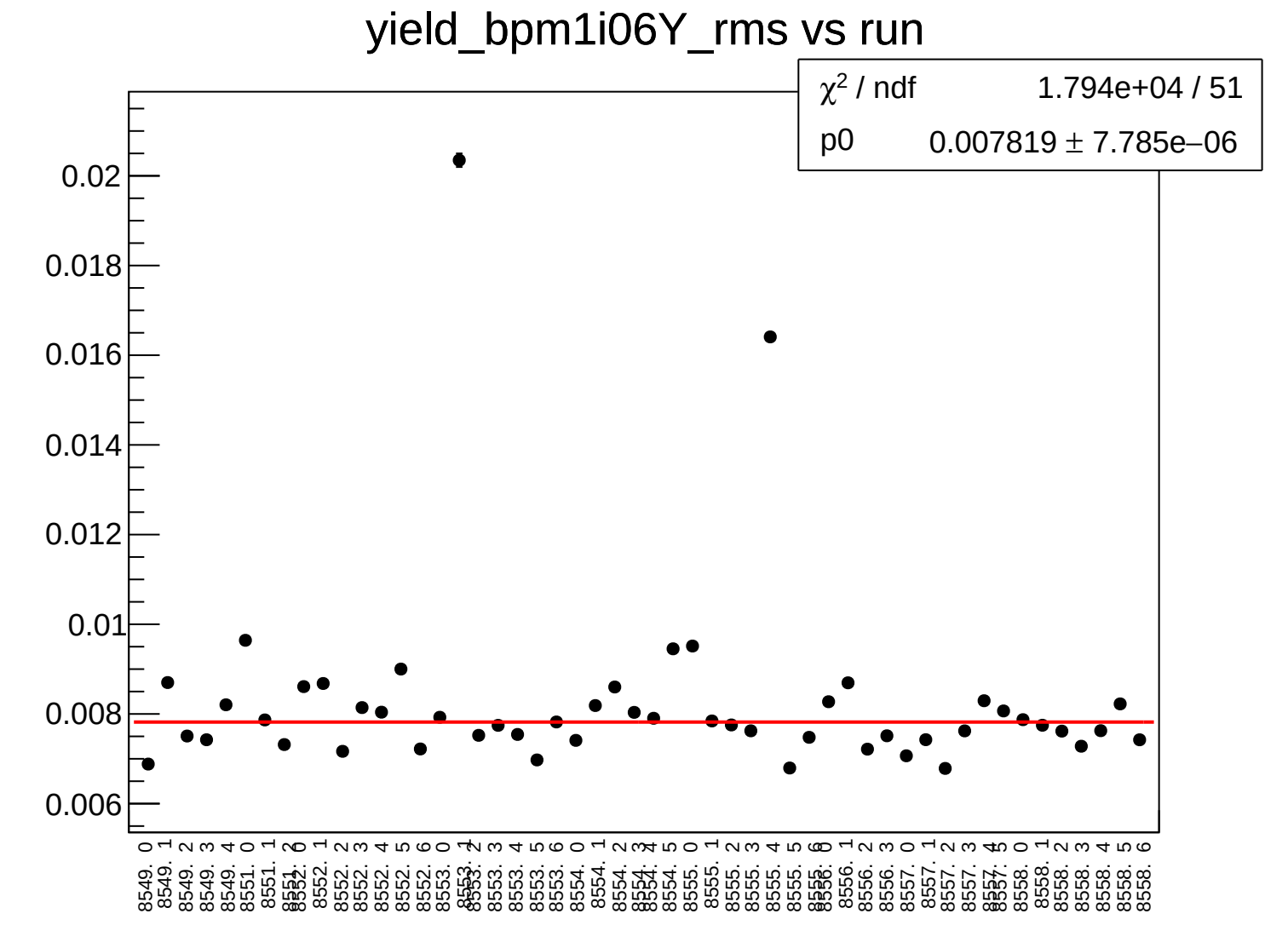

yield_bpm1i04Y_rms vs run
χ² / ndf 4.748e+04 / 51
p0 0.002649 ± 2.677e−06
0.008
0.007
0.006
0.005
0.004
0.003
0.002
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 5
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

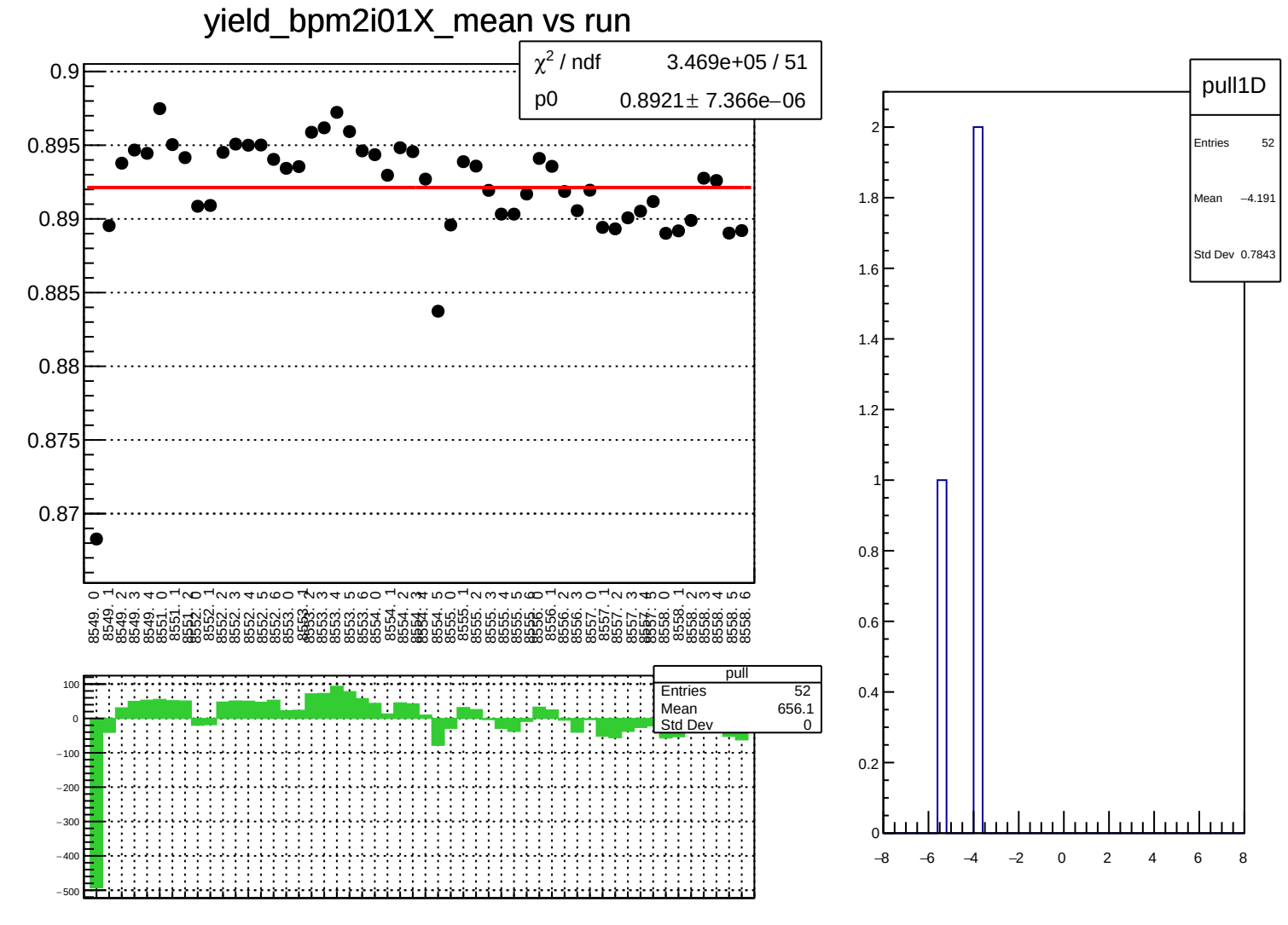

yield_bpm1i06X_mean vs run
χ² / ndf 3.283e+05 / 51
p0 1.055 ± 2.128e−05
pull
Entries 52
Mean −0.9294
Std Dev 47.43
pull1D
Entries 52
Mean −2.582
Std Dev 5.244

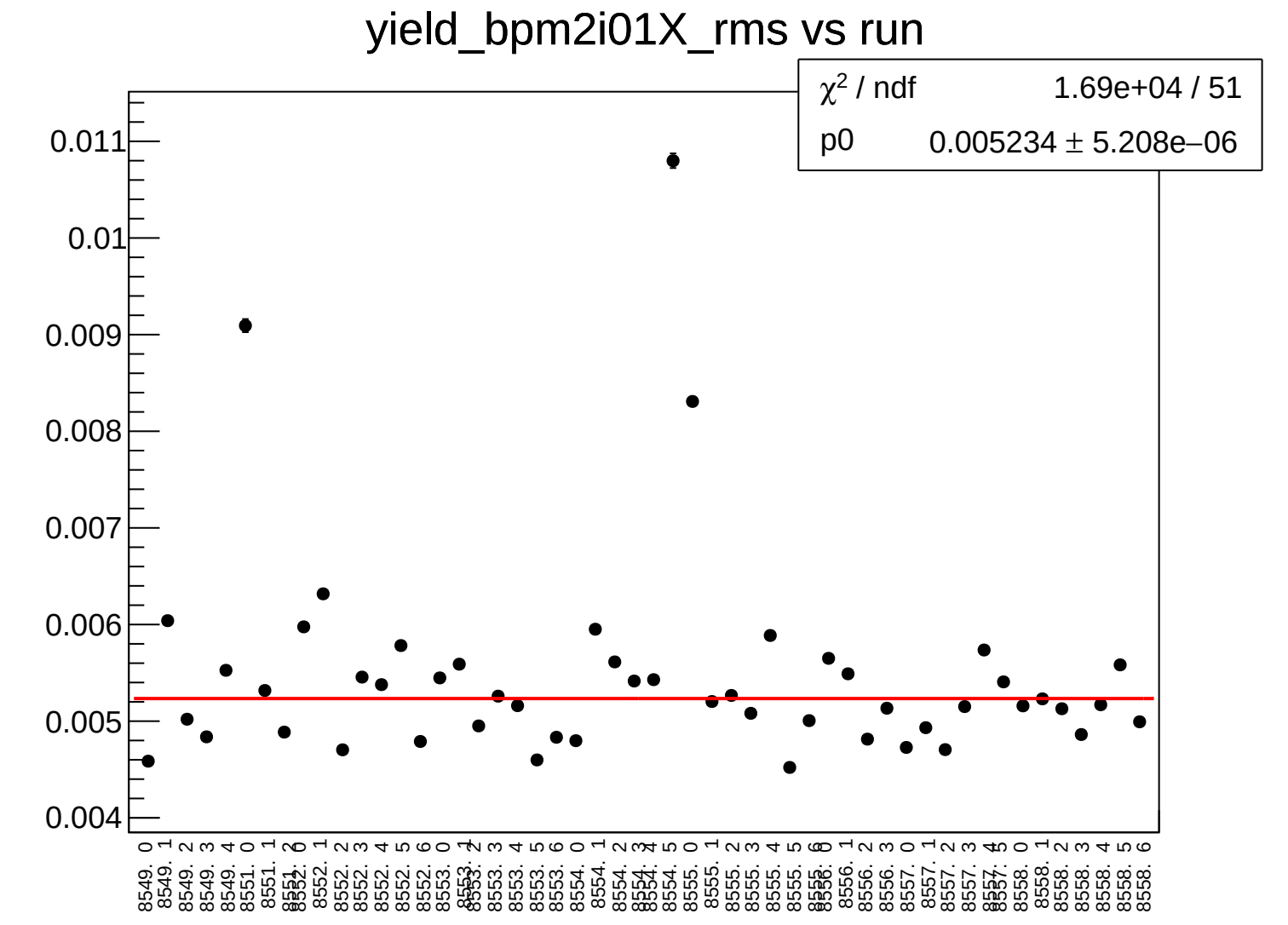

yield_bpm1i06X_rms vs run
χ² / ndf 1.103e+04 / 51
p0 0.01516 ± 1.505e–05
0.03
0.028
0.026
0.024
0.022
0.02
0.018
0.016
0.014
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 5
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

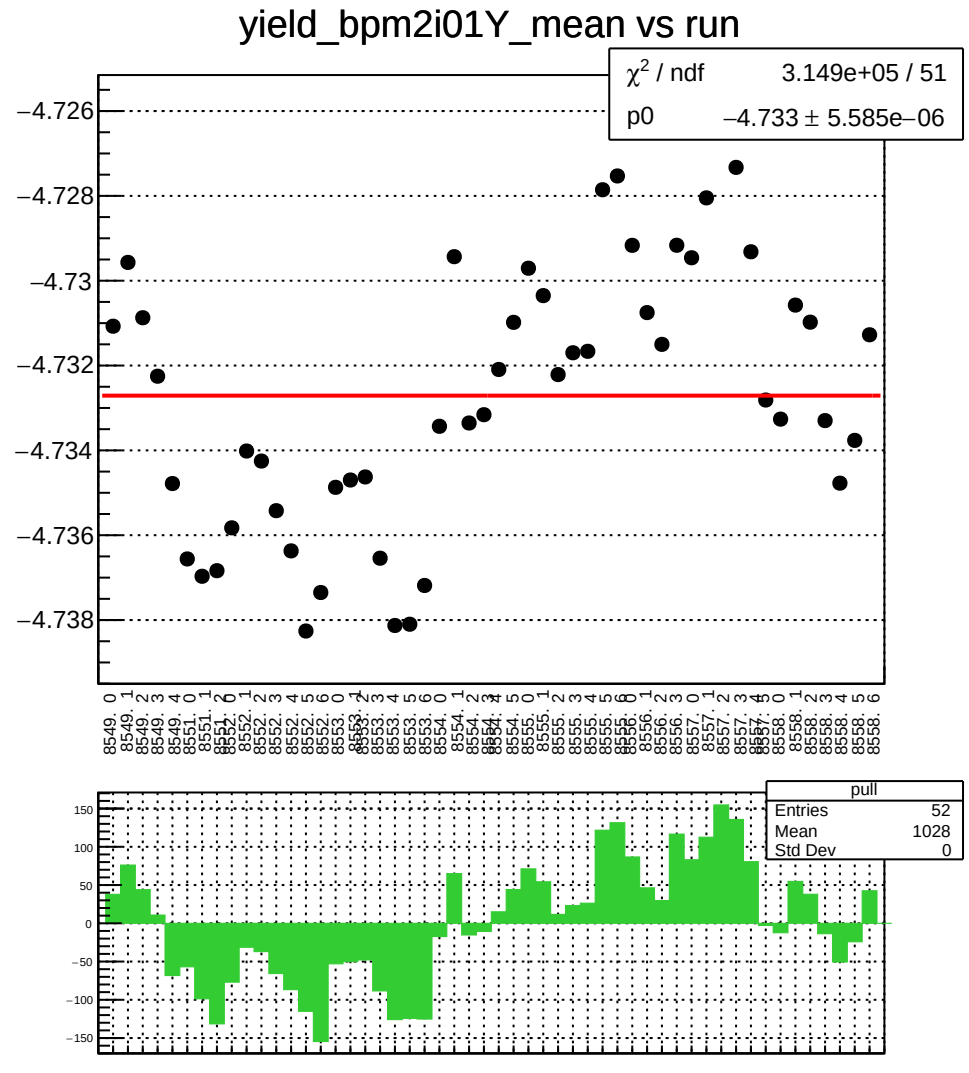

yield_bpm1i06Y_mean vs run
χ² / ndf 3.165e+05 / 51
p0 −0.03271 ± 1.101e−05
pull
Entries 52
Mean 71.07
Std Dev 0

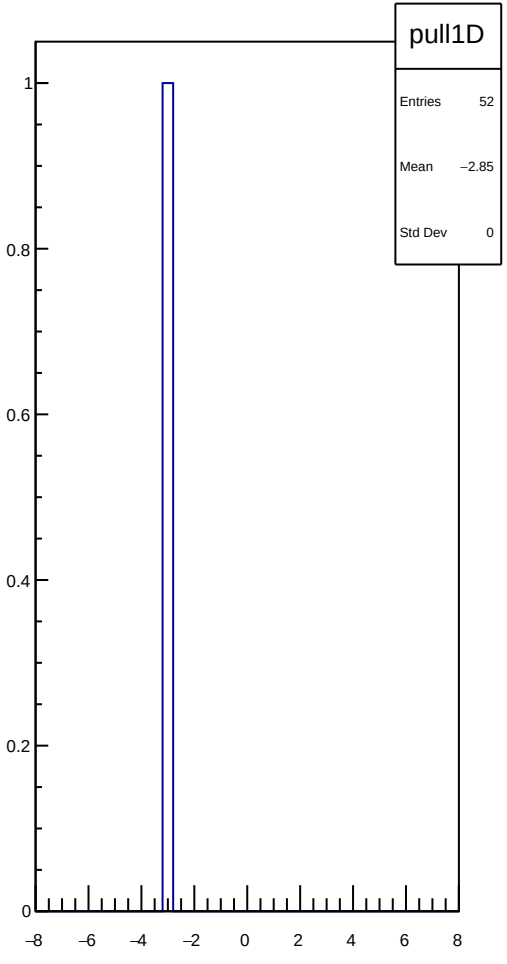

pull1D
Entries 52
Mean 1.605
Std Dev 4.953

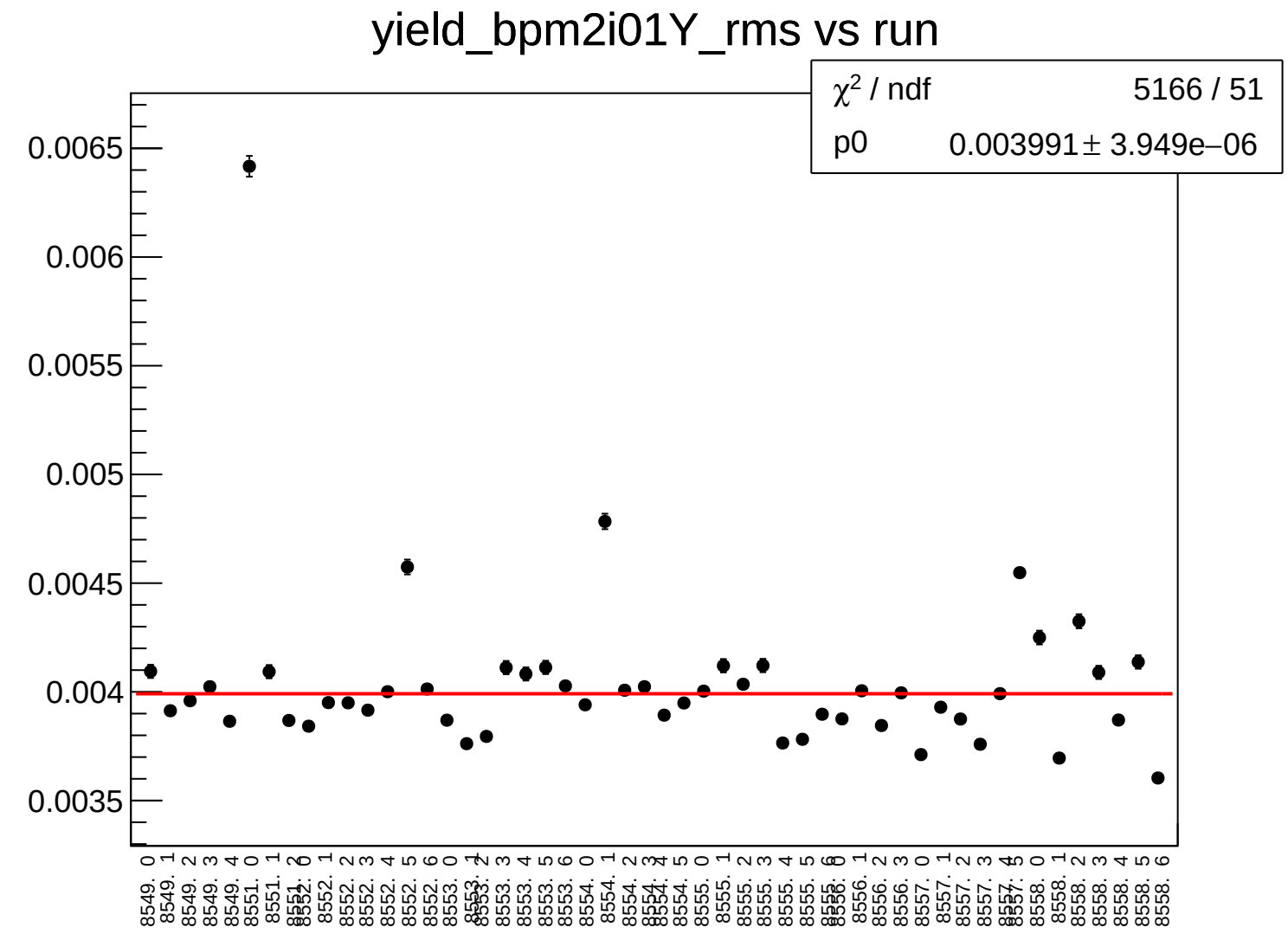

yield_bpm1i06Y_rms vs run
χ² / ndf 1.794e+04 / 51
p0 0.007819 ± 7.785e−06
0.02
0.018
0.016
0.014
0.012
0.01
0.008
0.006
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 5
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

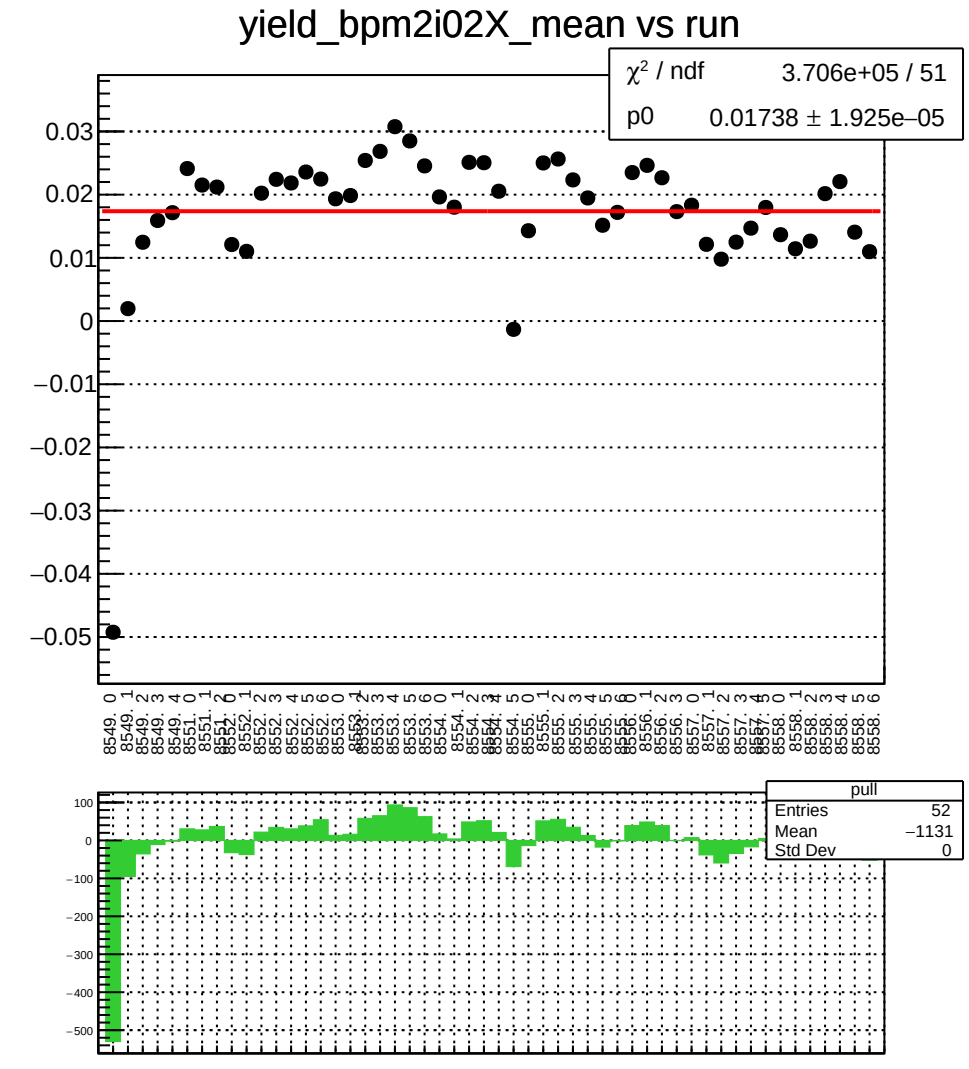

yield_bpm2i01X_mean vs run
χ² / ndf 3.469e+05 / 51
p0 0.8921 ± 7.366e−06
pull
Entries 52
Mean 656.1
Std Dev 0
pull1D
Entries 52
Mean −4.191
Std Dev 0.7843

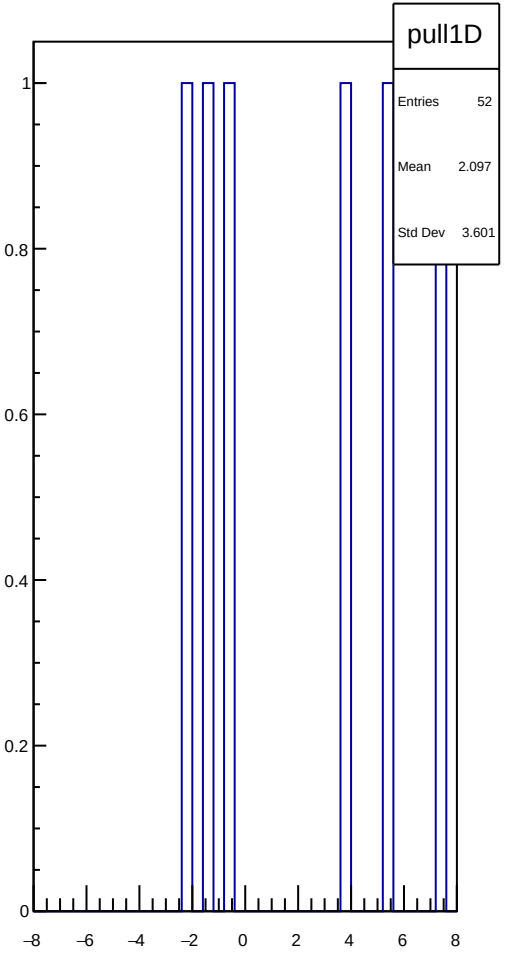

yield_bpm2i01X_rms vs run
χ² / ndf 1.69e+04 / 51
p0 0.005234 ± 5.208e−06
0.011
0.01
0.009
0.008
0.007
0.006
0.005
0.004
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 5
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

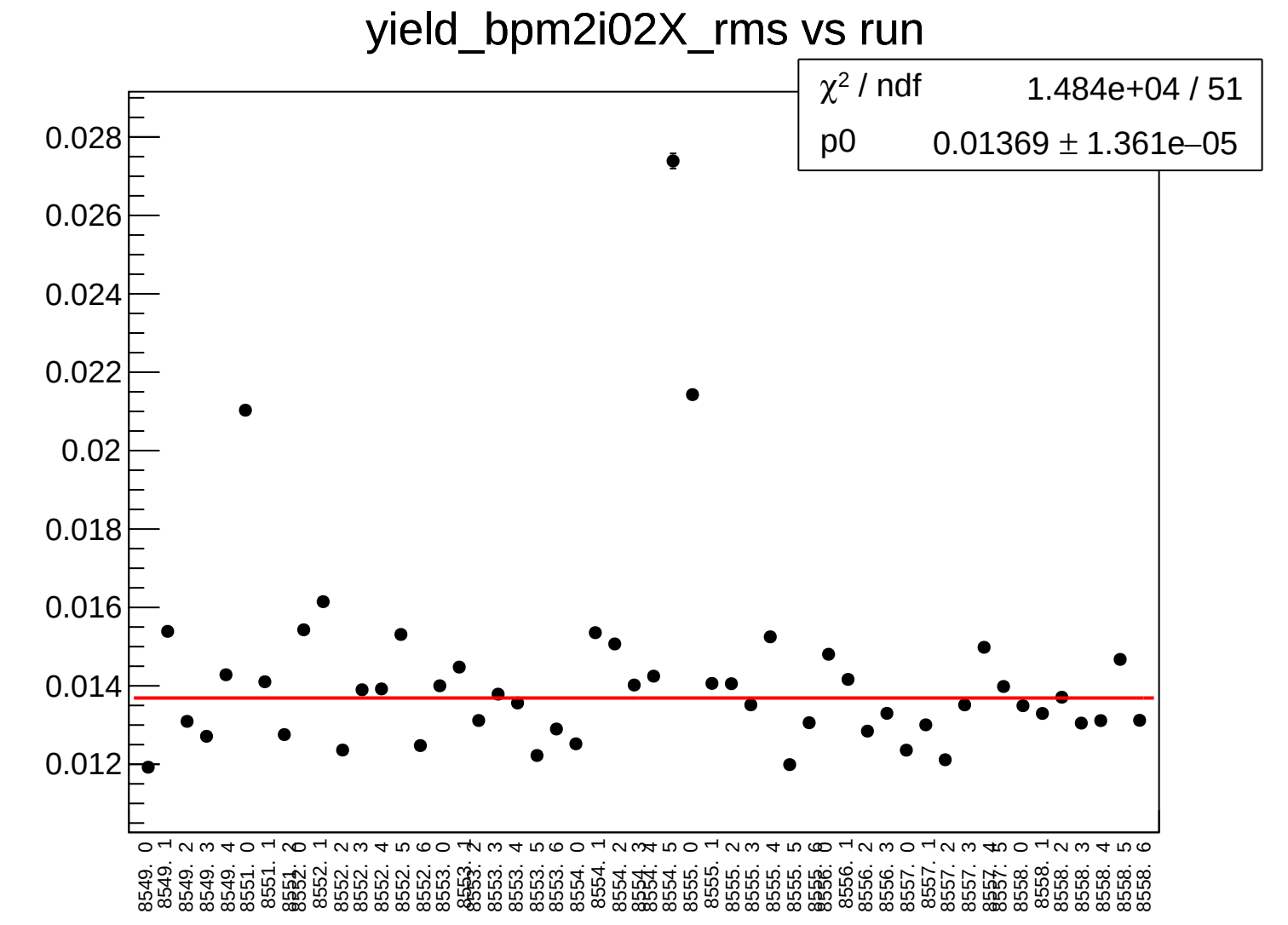

yield_bpm2i01Y_mean vs run
χ² / ndf 3.149e+05 / 51
p0 −4.733 ± 5.585e−06
−4.726
−4.728
−4.73
−4.732
−4.734
−4.736
−4.738
pull
Entries 52
Mean 1028
Std Dev 0
150
100
50
0
−50
−100
−150

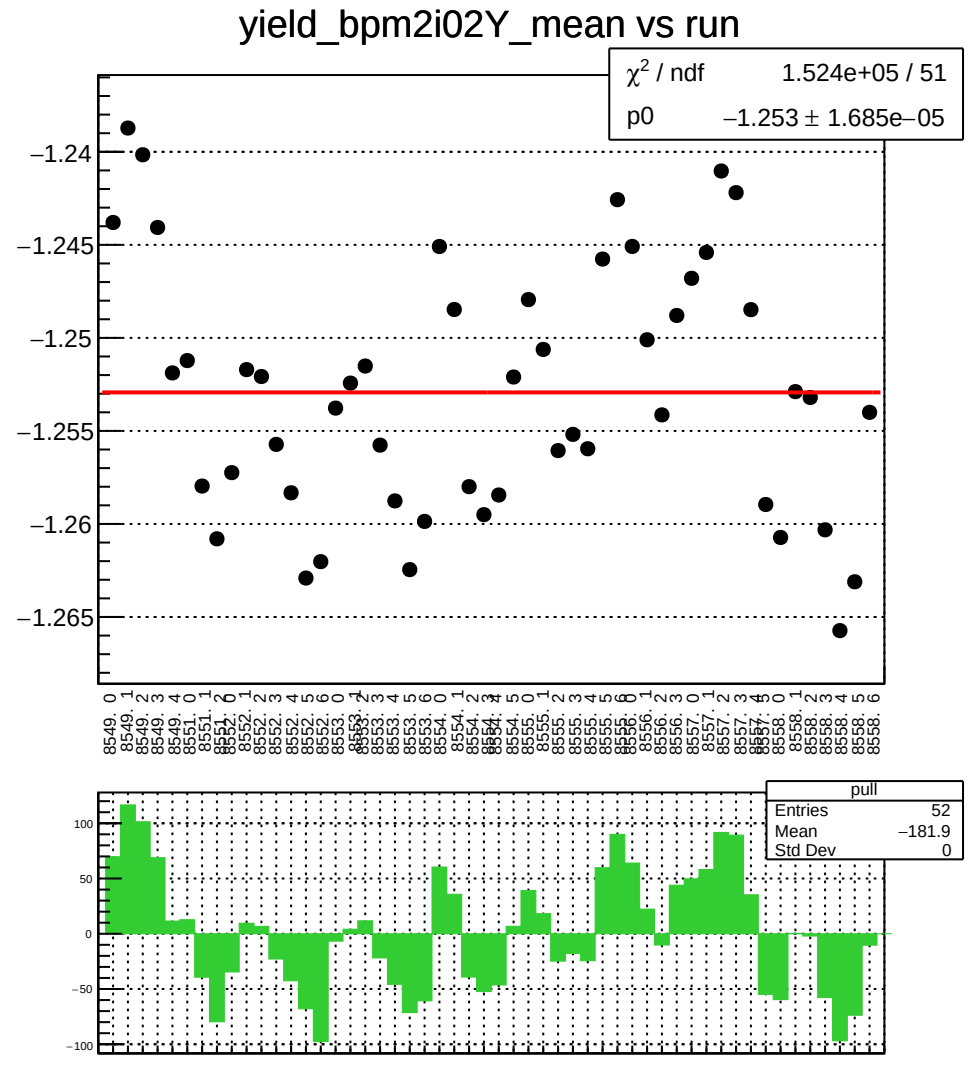

pull1D
Entries 52
Mean −2.85
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

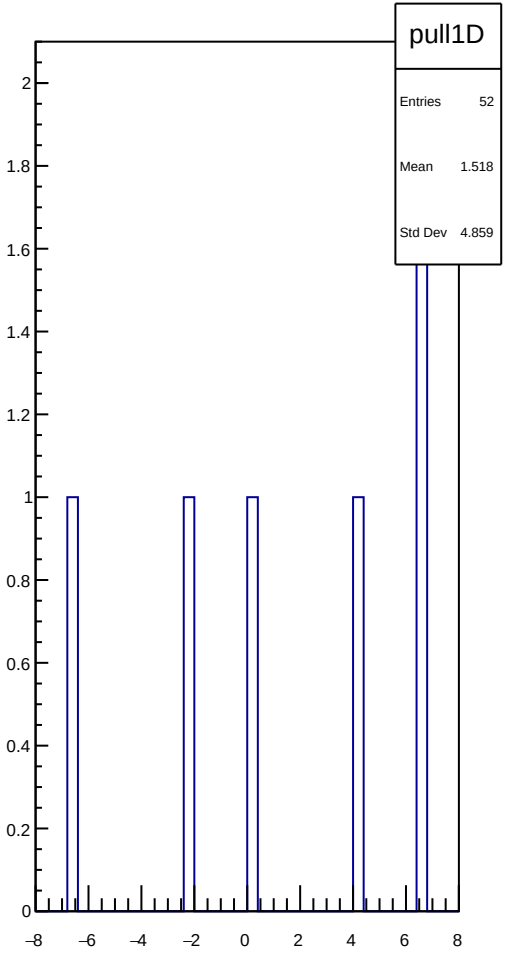

yield_bpm2i01Y_rms vs run
χ² / ndf 5166 / 51
p0 0.003991 ± 3.949e−06
0.0065
0.006
0.0055
0.005
0.0045
0.004
0.0035
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

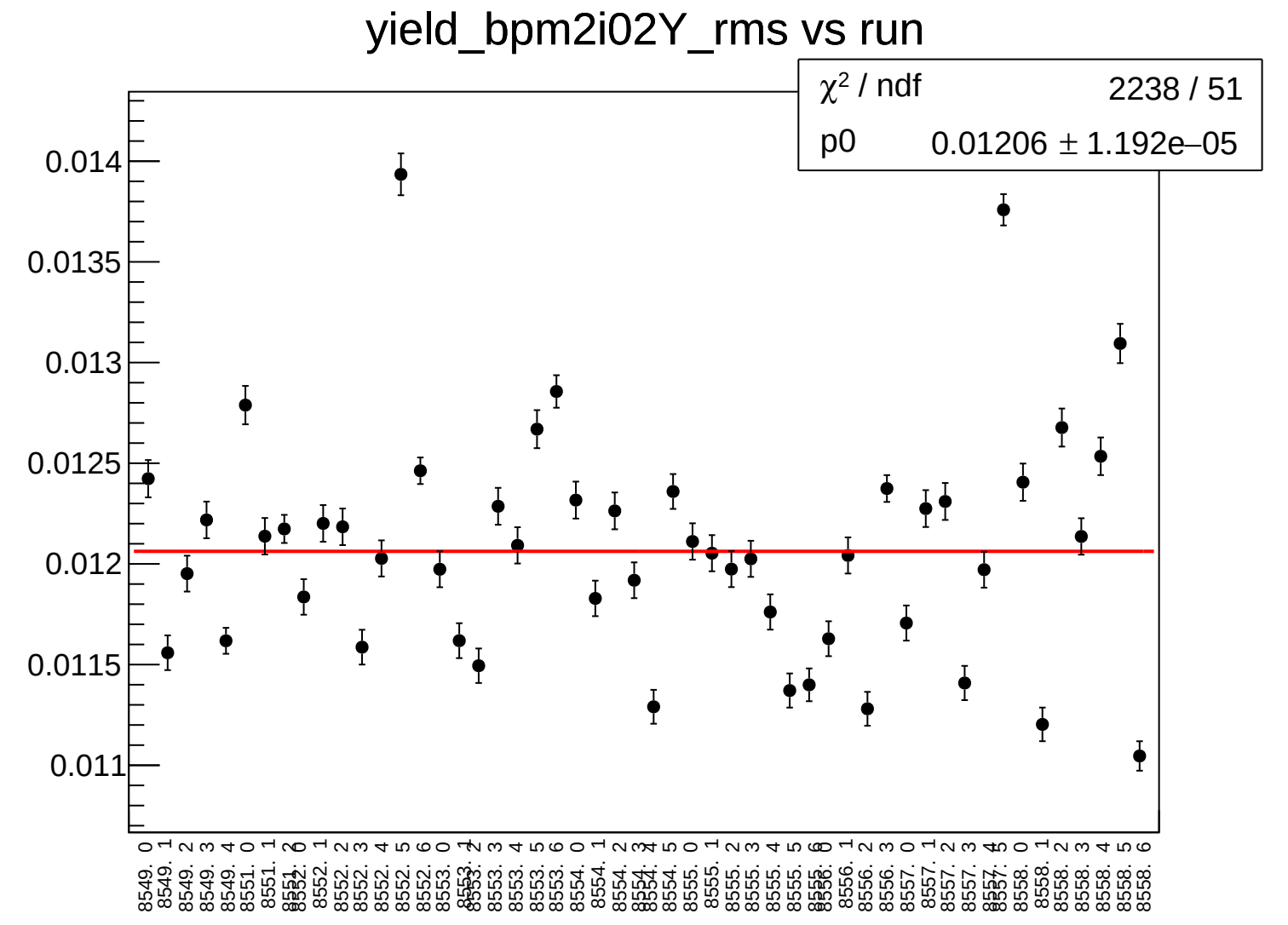

yield_bpm2i02X_mean vs run
χ² / ndf 3.706e+05 / 51
p0 0.01738 ± 1.925e−05
pull
Entries 52
Mean −1131
Std Dev 0

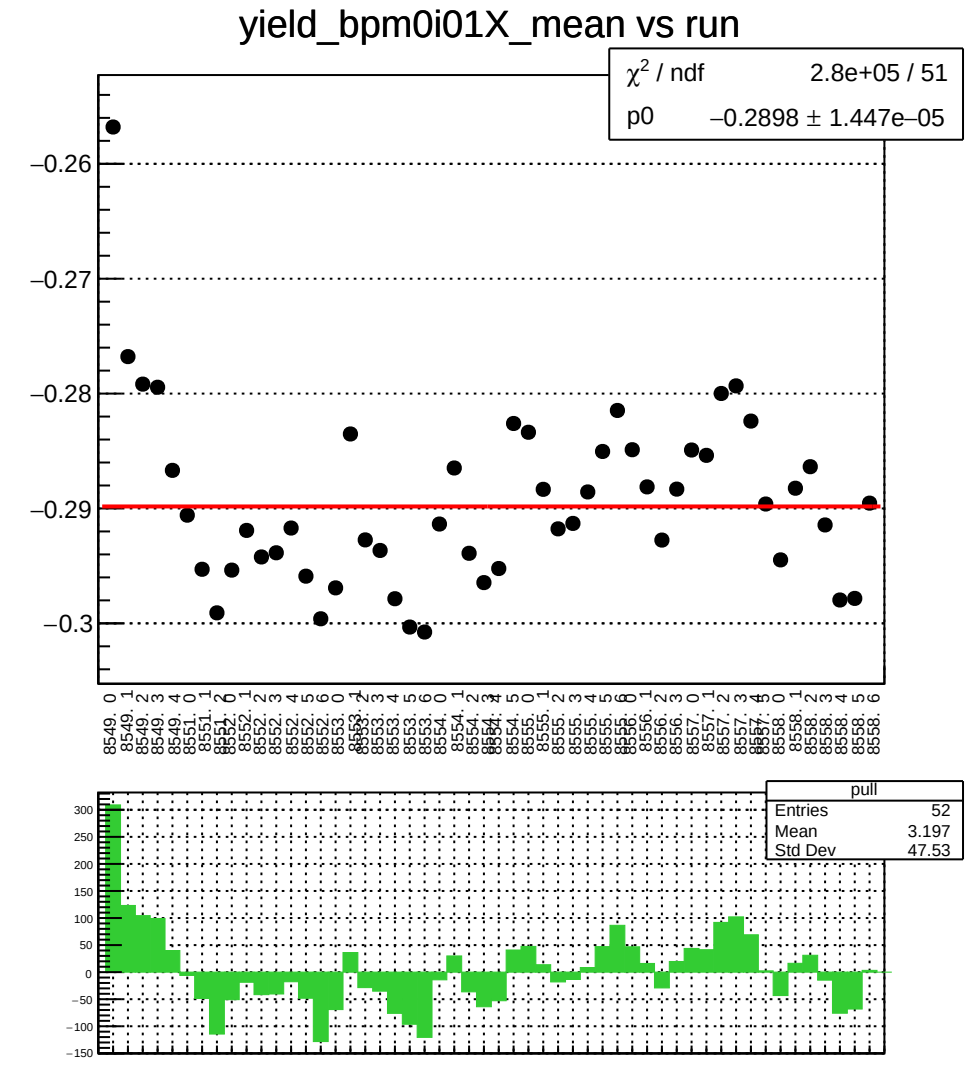

pull1D
Entries 52
Mean 2.097
Std Dev 3.601

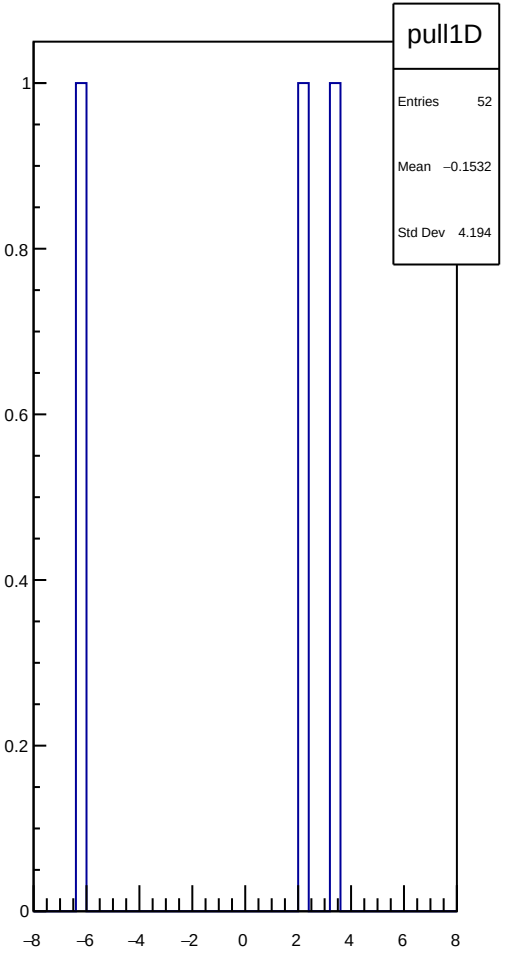

yield_bpm2i02X_rms vs run
χ² / ndf 1.484e+04 / 51
p0 0.01369 ± 1.361e–05
0.028
0.026
0.024
0.022
0.02
0.018
0.016
0.014
0.012
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 5
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

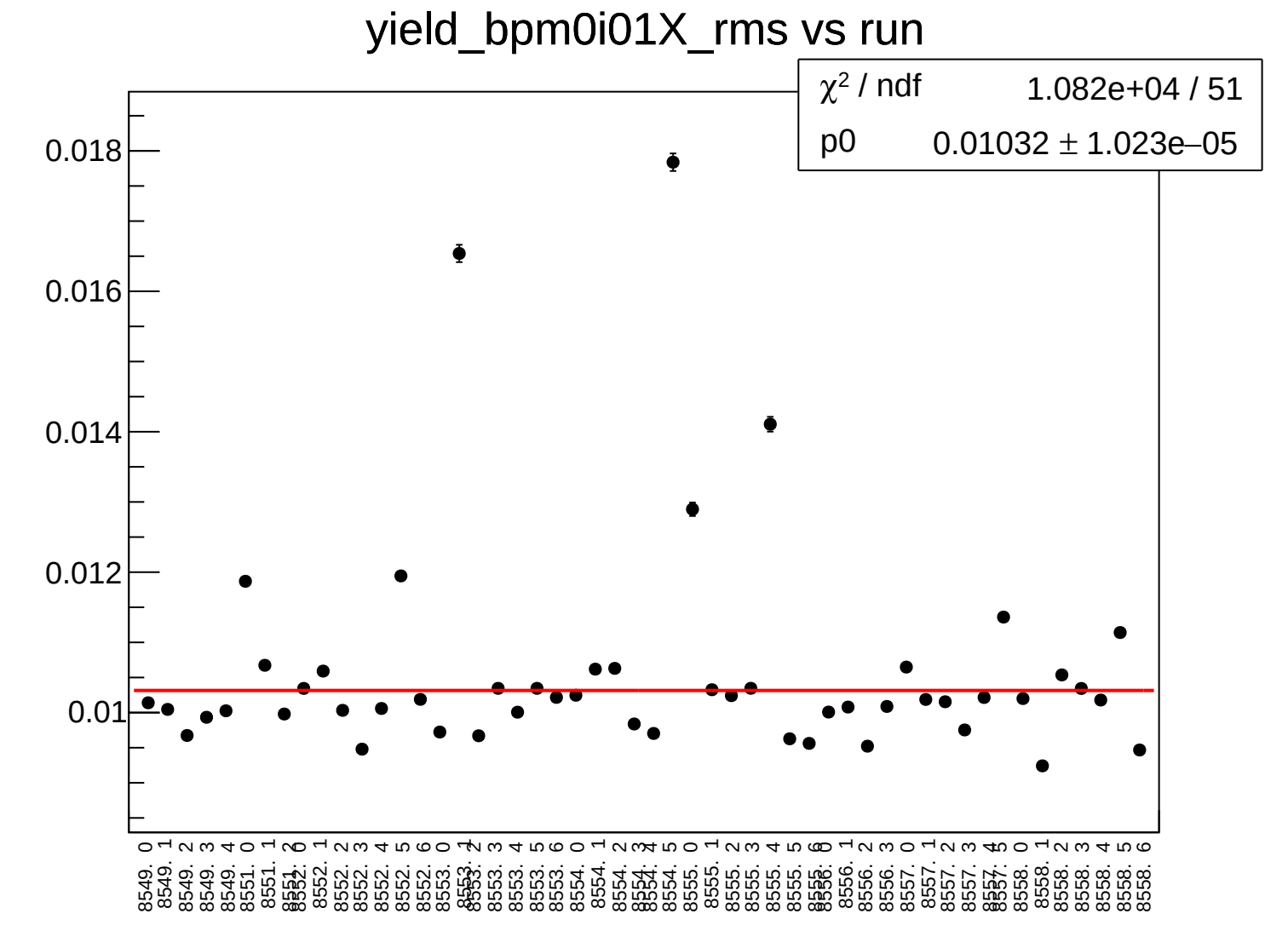

yield_bpm2i02Y_mean vs run
χ² / ndf 1.524e+05 / 51
p0 −1.253 ± 1.685e−05
−1.24
−1.245
−1.25
−1.255
−1.26
−1.265
pull
Entries 52
Mean −181.9
Std Dev 0
100
50
0
−50
−100

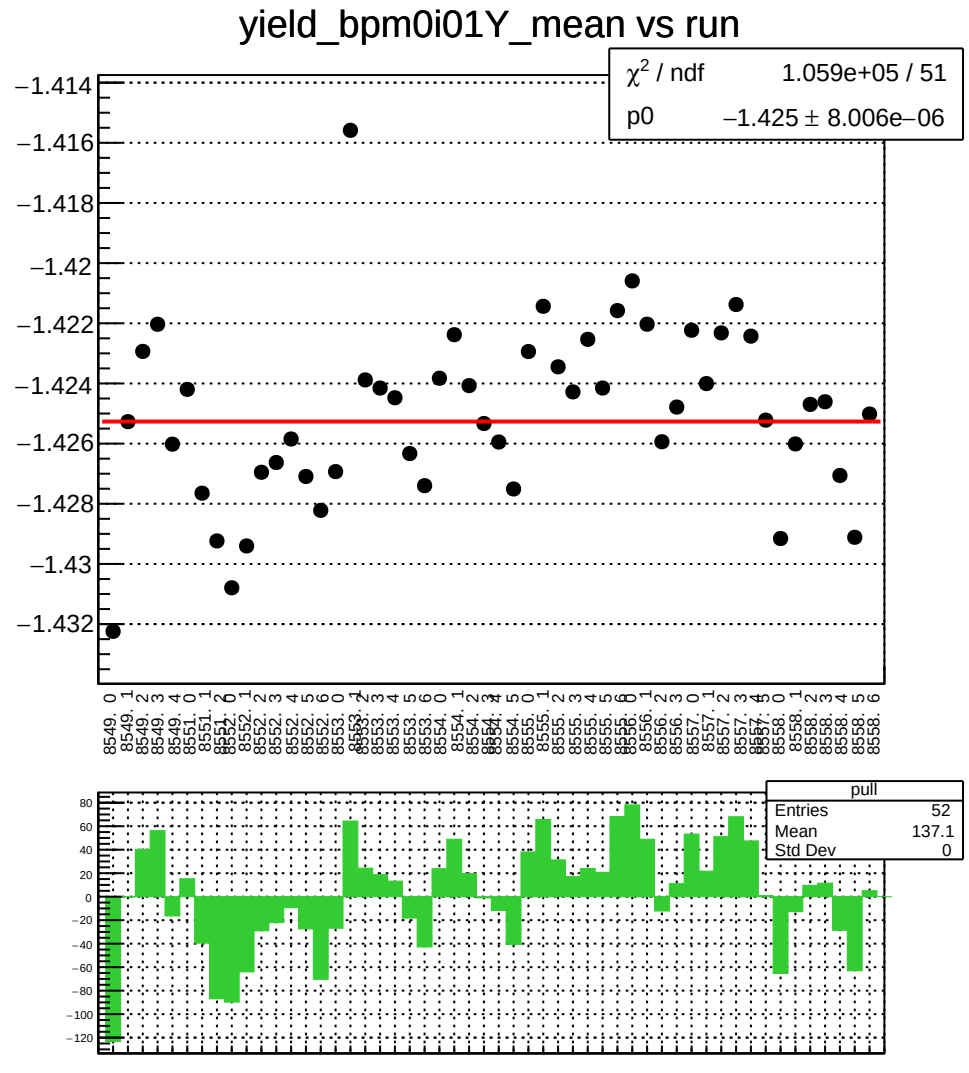

pull1D
Entries 52
Mean 1.518
Std Dev 4.859
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

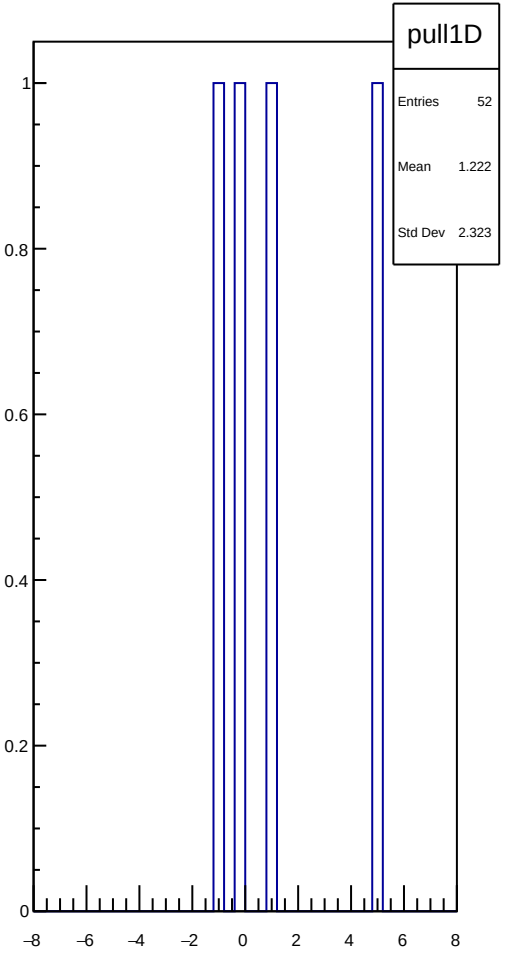

yield_bpm2i02Y_rms vs run
χ² / ndf 2238 / 51
p0 0.01206 ± 1.192e–05
0.014
0.0135
0.013
0.0125
0.012
0.0115
0.011
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 5
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

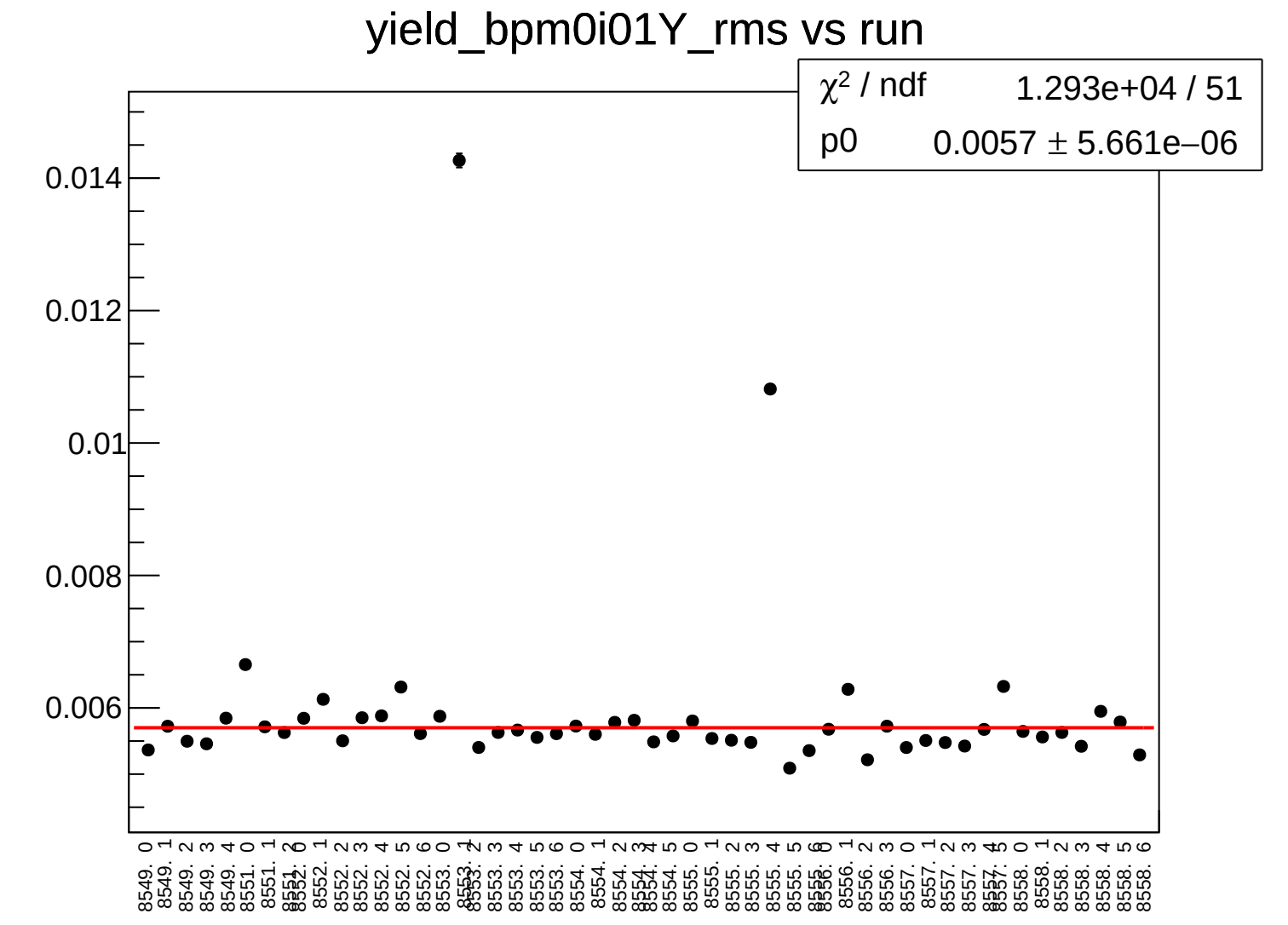

yield_bpm0i01X_mean vs run
χ² / ndf 2.8e+05 / 51
p0 −0.2898 ± 1.447e−05
−0.26
−0.27
−0.28
−0.29
−0.3
pull
Entries 52
Mean 3.197
Std Dev 47.53
300
250
200
150
100
50
0
−50
−100
−150

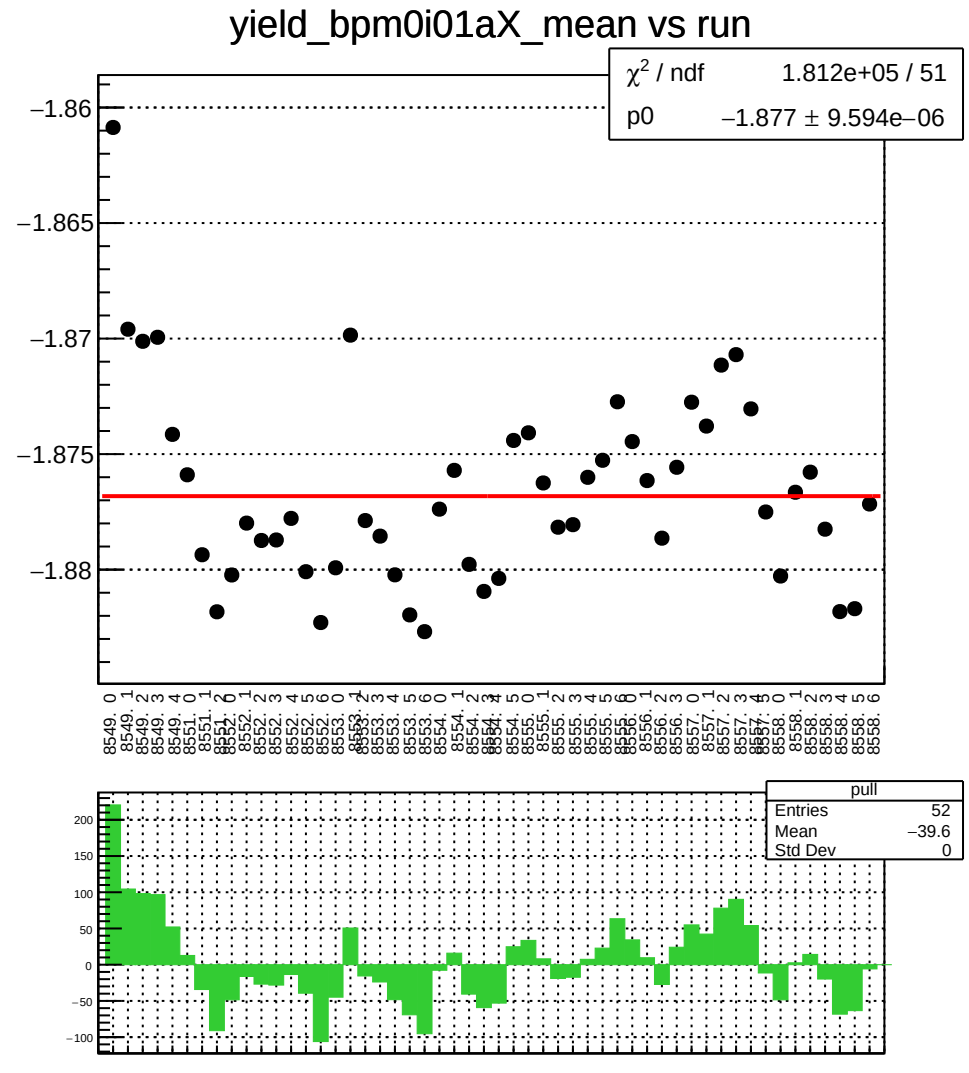

pull1D
Entries 52
Mean −0.1532
Std Dev 4.194
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

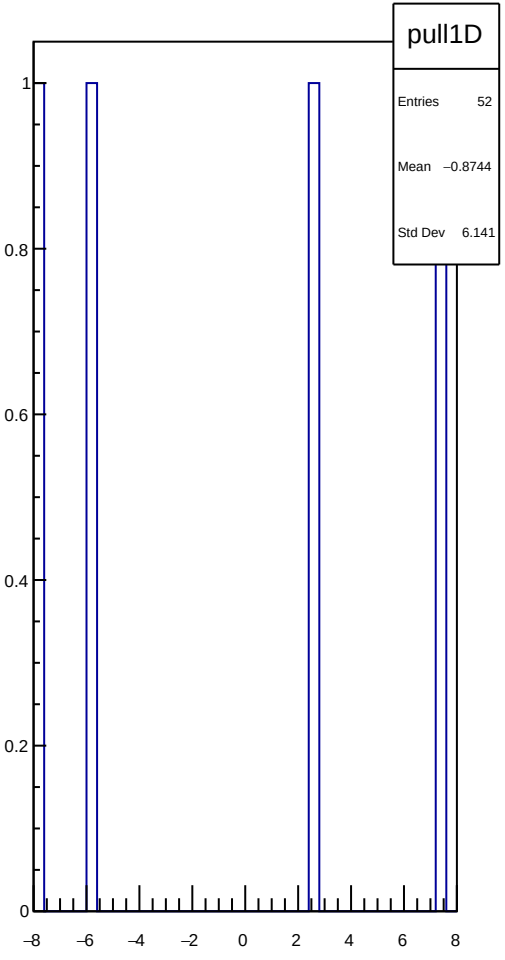

yield_bpm0i01X_rms vs run
χ² / ndf 1.082e+04 / 51
p0 0.01032 ± 1.023e–05
0.018
0.016
0.014
0.012
0.01
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 2
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 5
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

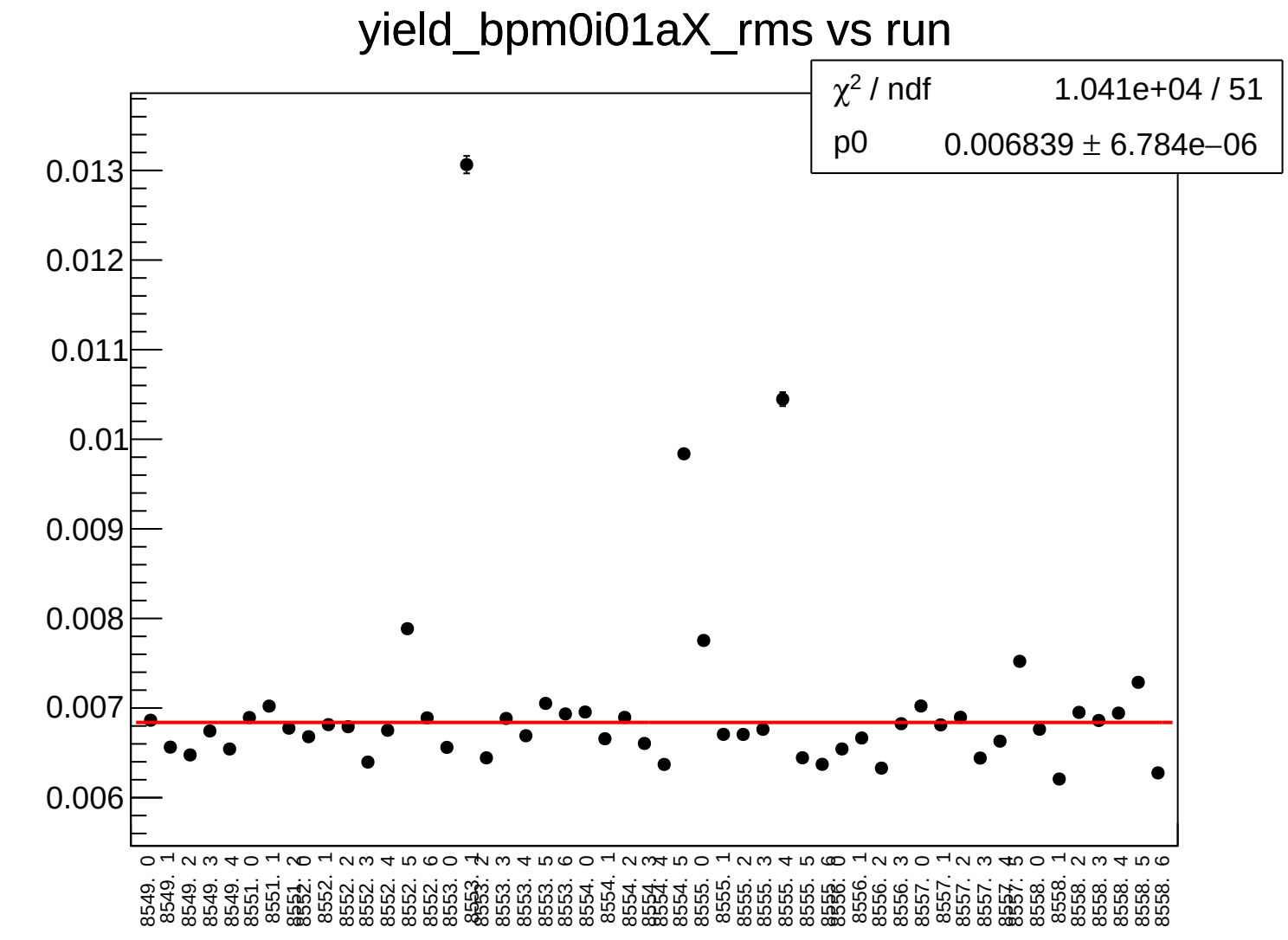

yield_bpm0i01Y_mean vs run
χ² / ndf 1.059e+05 / 51
p0 −1.425 ± 8.006e−06
pull
Entries 52
Mean 137.1
Std Dev 0

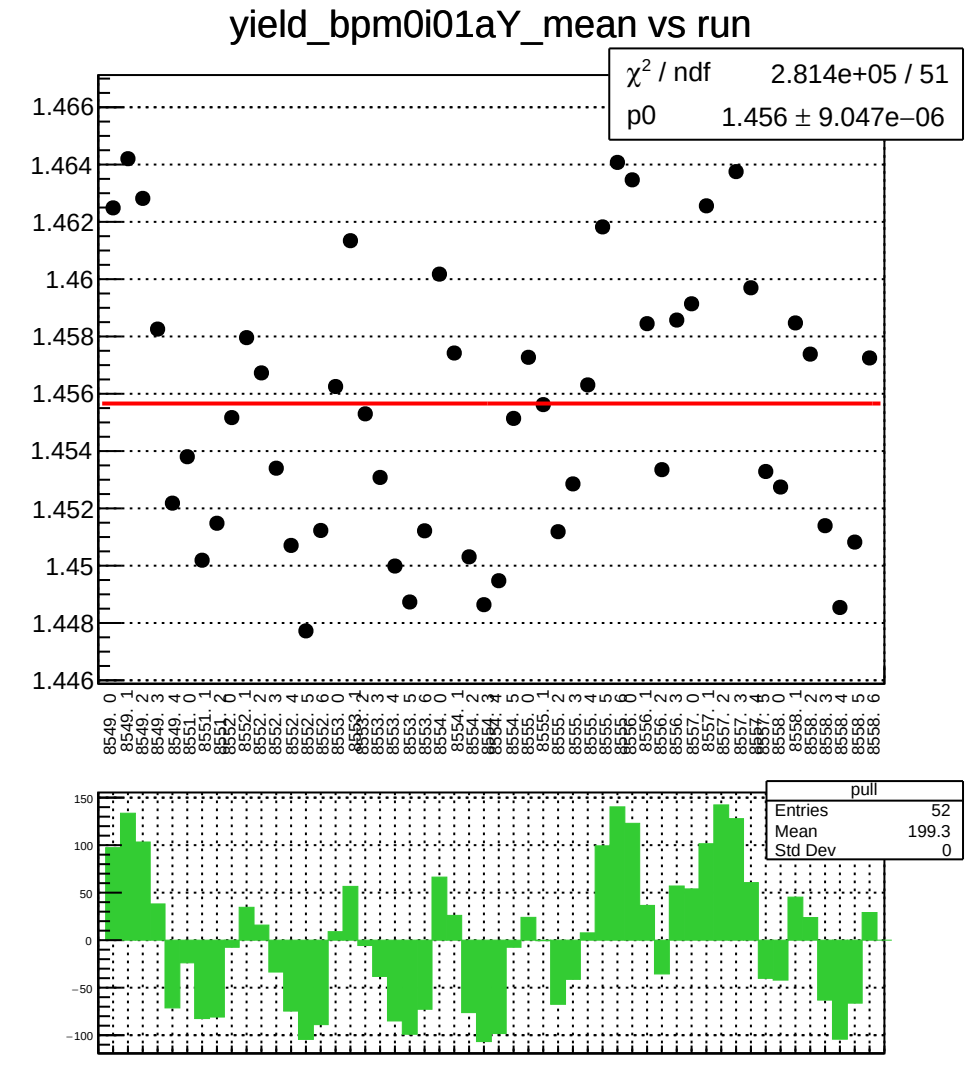

pull1D
Entries 52
Mean 1.222
Std Dev 2.323

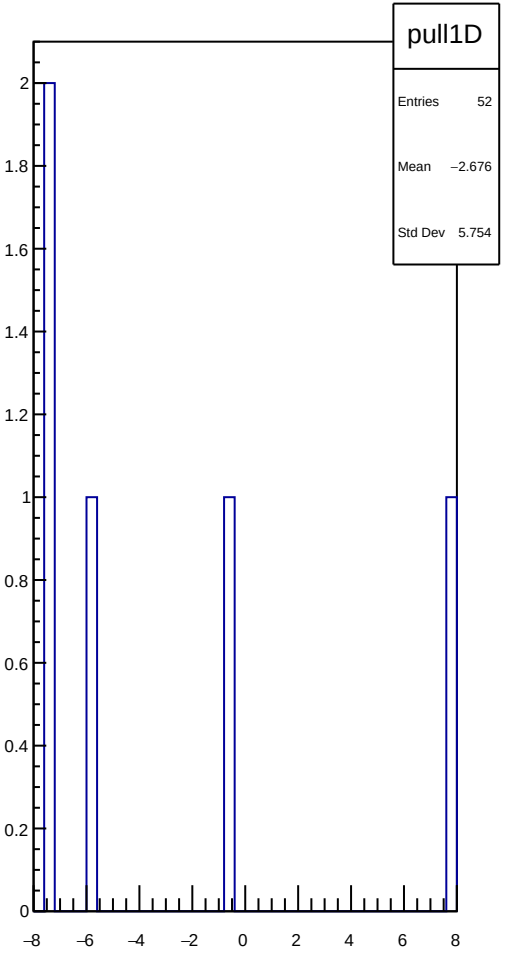

yield_bpm0i01Y_rms vs run
χ² / ndf 1.293e+04 / 51
p0 0.0057 ± 5.661e−06
0.014
0.012
0.01
0.008
0.006
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 2
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 5
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

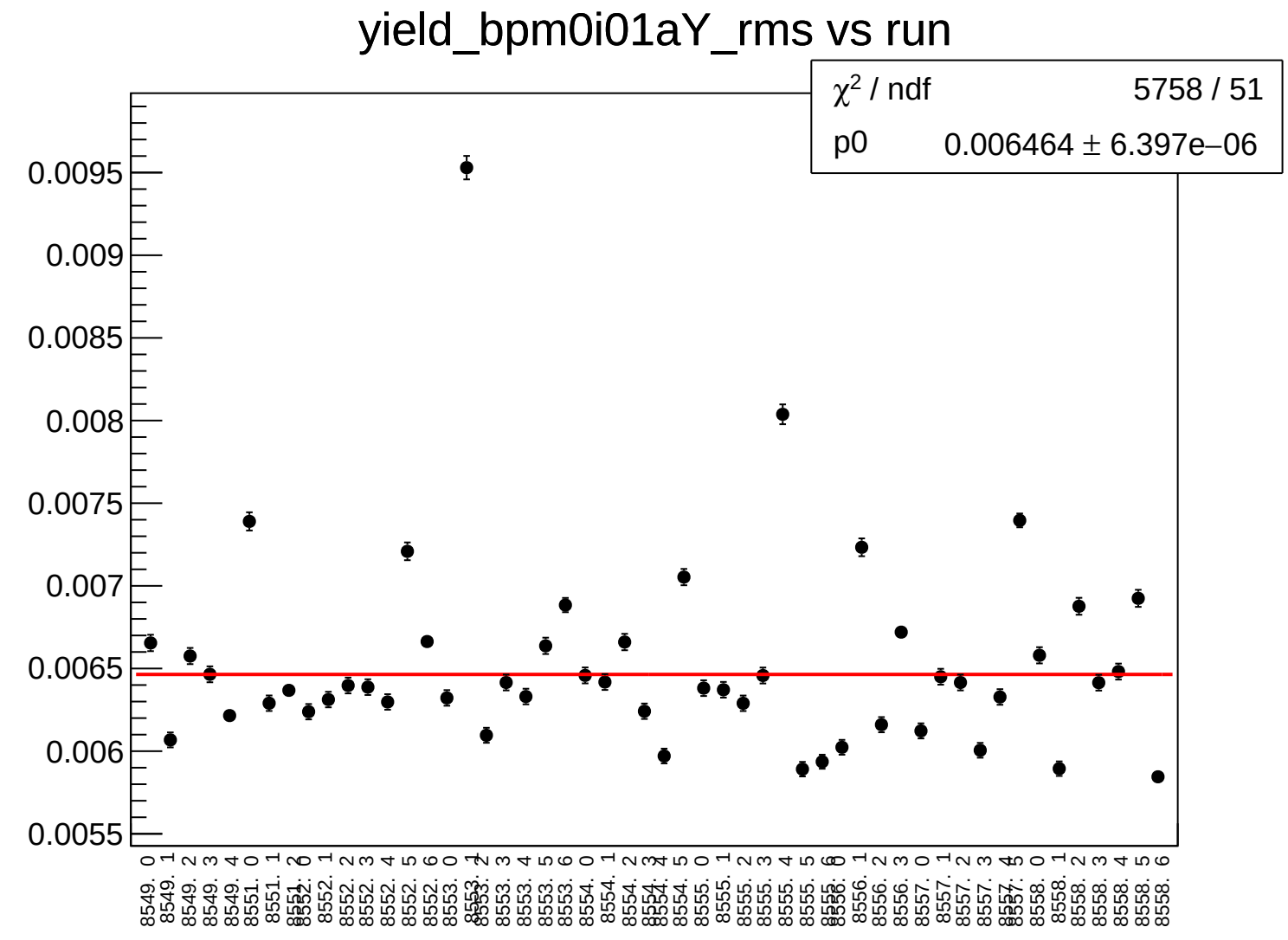

yield_bpm0i01aX_mean vs run
χ² / ndf 1.812e+05 / 51
p0 −1.877 ± 9.594e−06
−1.86
−1.865
−1.87
−1.875
−1.88
pull
Entries 52
Mean −39.6
Std Dev 0
200
150
100
50
0
−50
−100

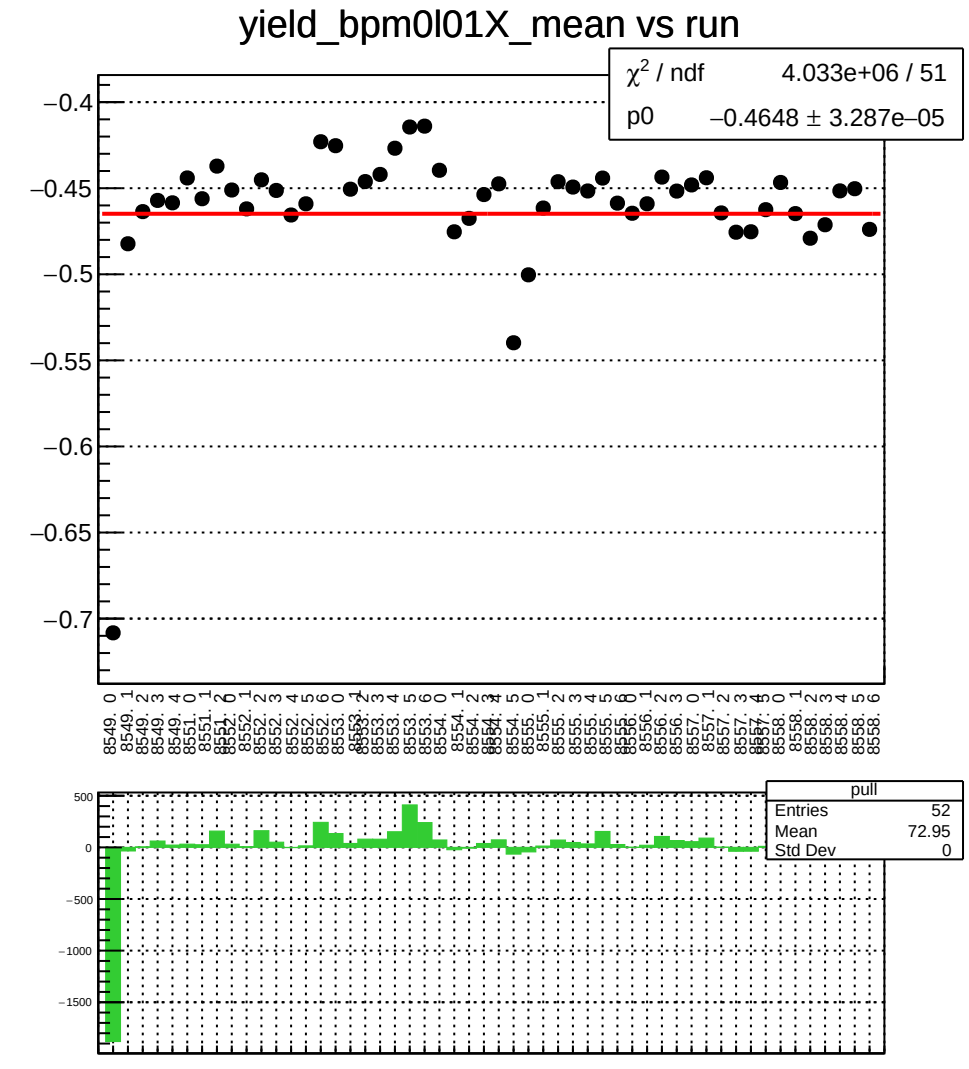

pull1D
Entries 52
Mean −0.8744
Std Dev 6.141
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

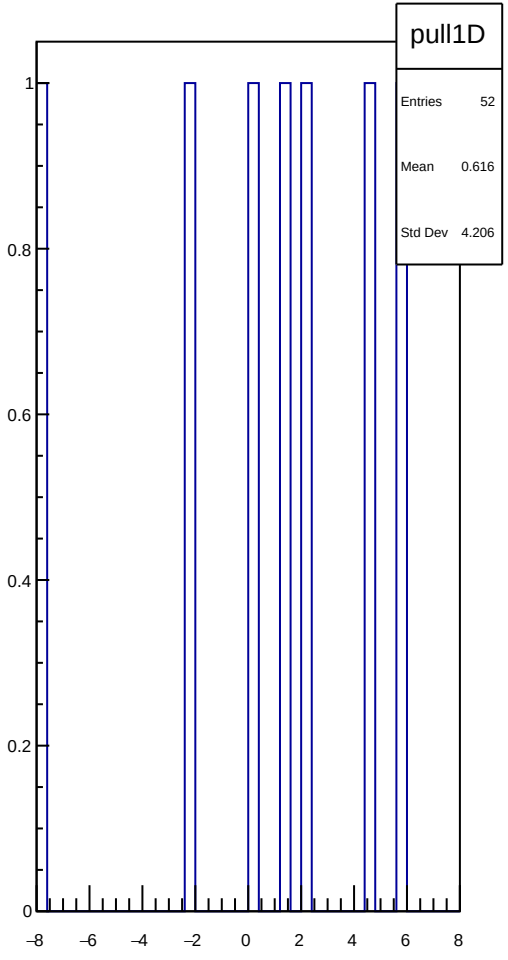

yield_bpm0i01aX_rms vs run
χ² / ndf 1.041e+04 / 51
p0 0.006839 ± 6.784e−06
0.013
0.012
0.011
0.01
0.009
0.008
0.007
0.006
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 2
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 5
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

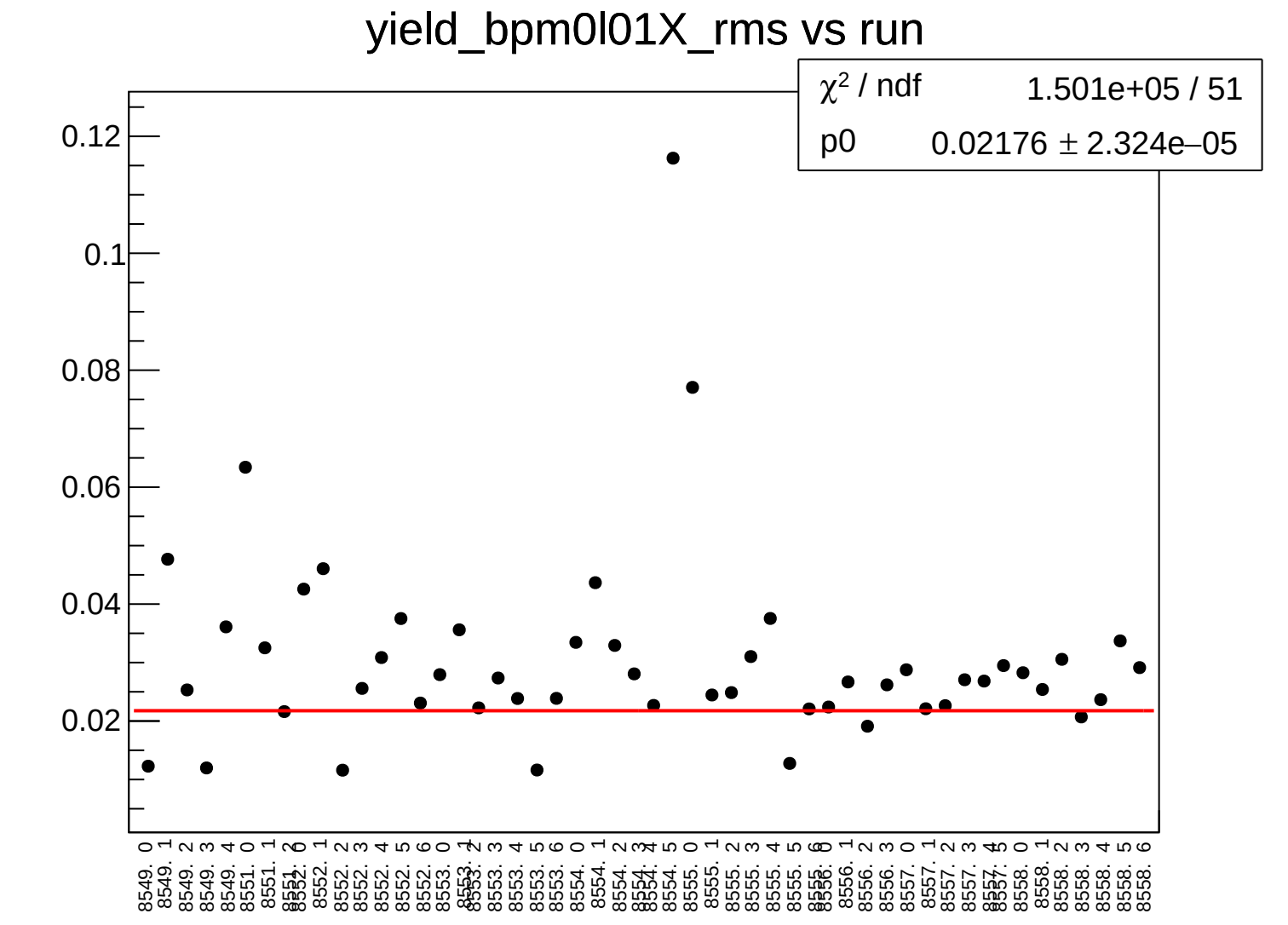

yield_bpm0i01aY_mean vs run
χ² / ndf 2.814e+05 / 51
p0 1.456 ± 9.047e−06
pull
Entries 52
Mean 199.3
Std Dev 0

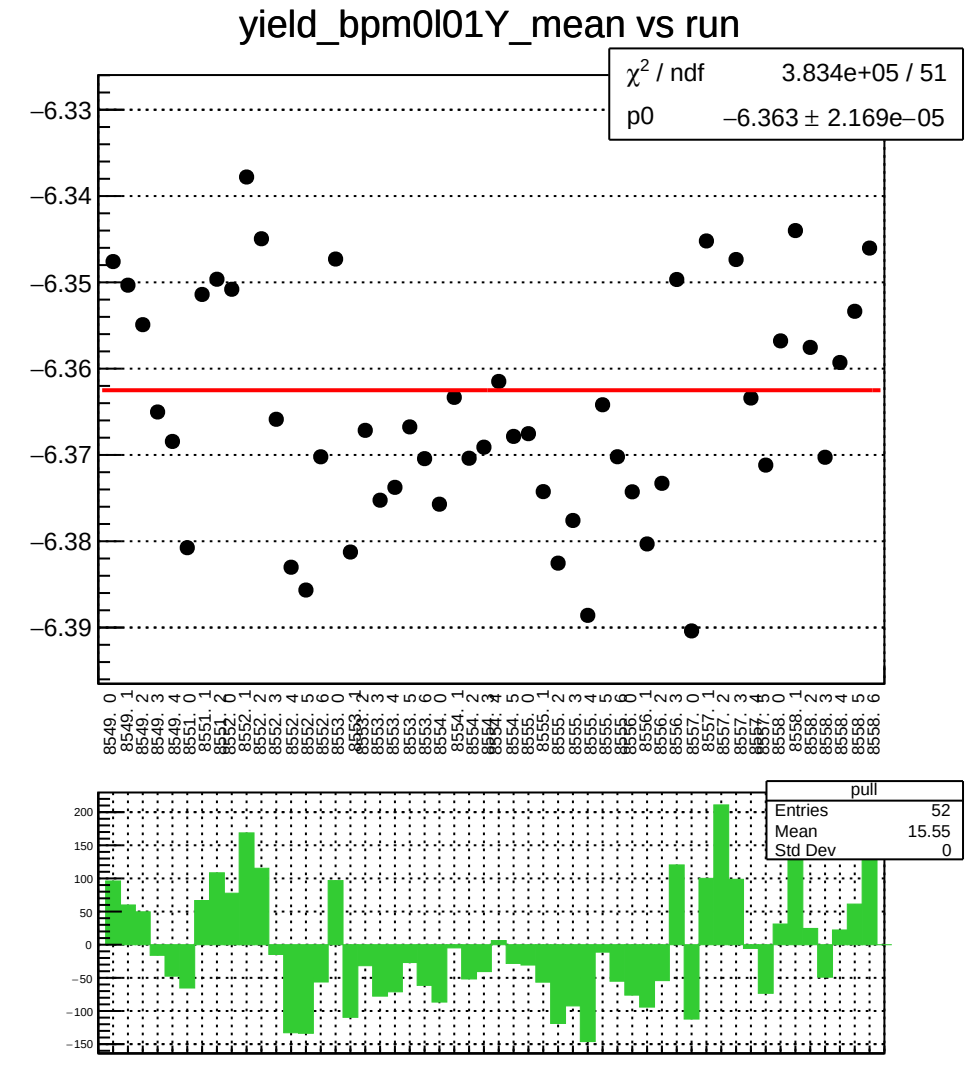

pull1D
Entries 52
Mean −2.676
Std Dev 5.754

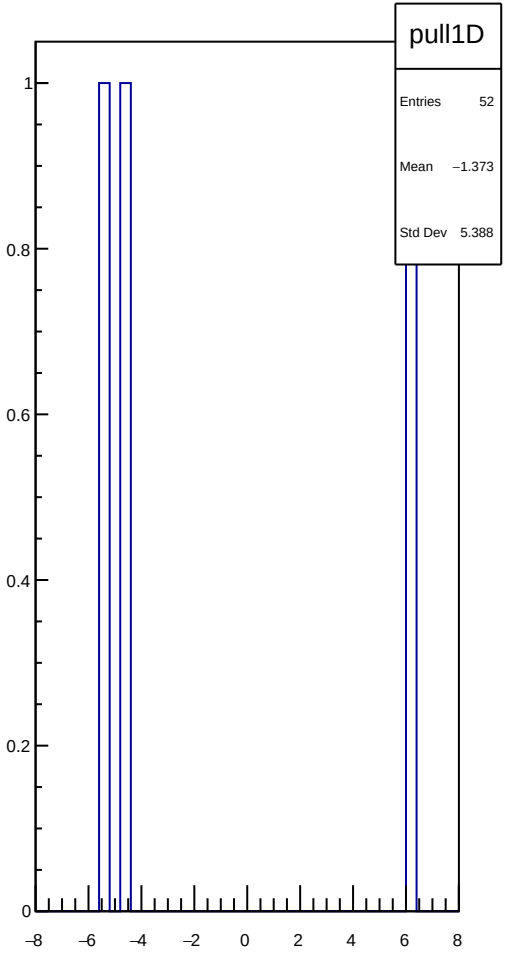

yield_bpm0i01aY_rms vs run
χ² / ndf 5758 / 51
p0 0.006464 ± 6.397e−06
0.0095
0.009
0.0085
0.008
0.0075
0.007
0.0065
0.006
0.0055
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 5
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

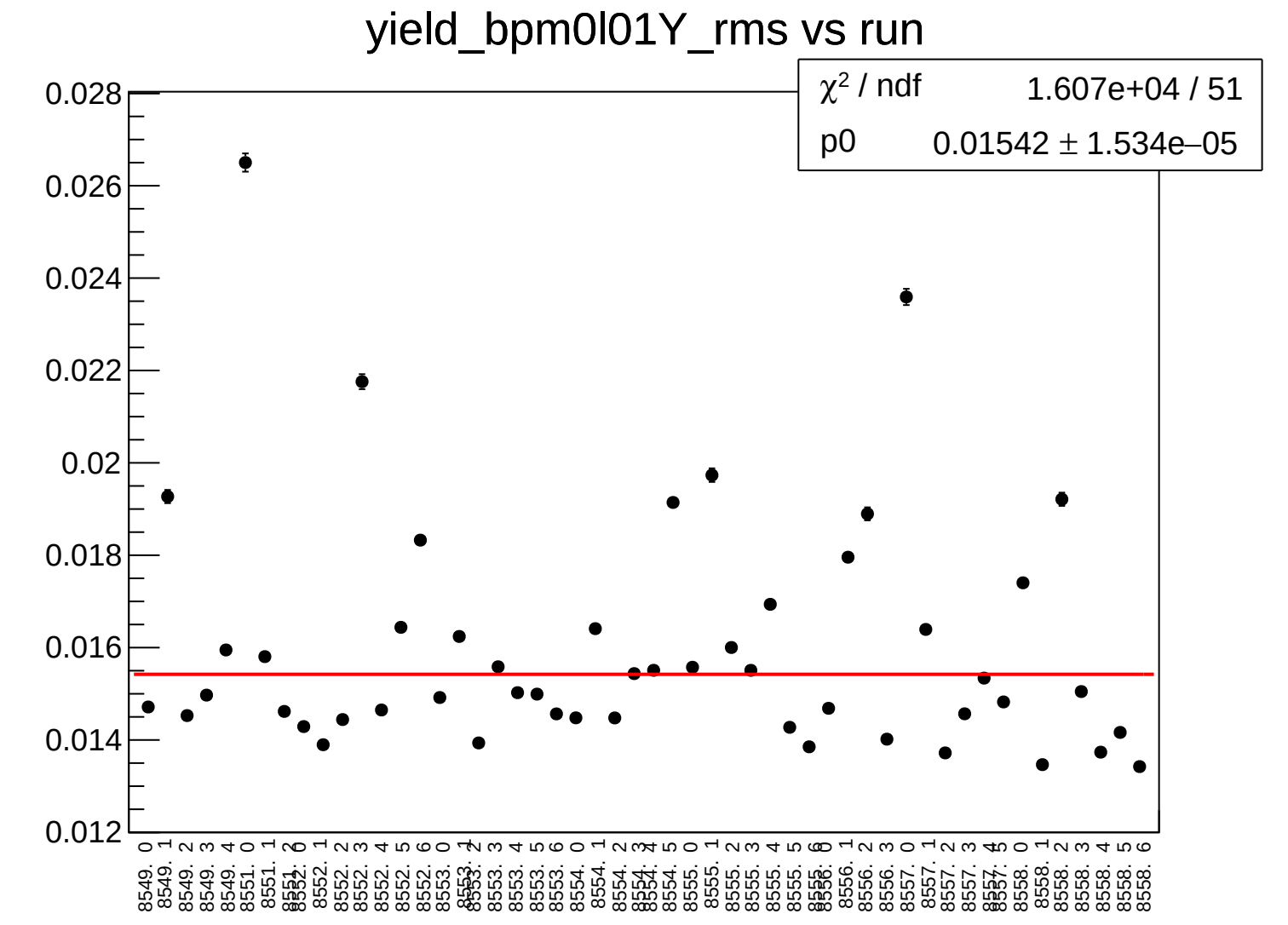

yield_bpm0l01X_mean vs run
χ² / ndf 4.033e+06 / 51
p0 −0.4648 ± 3.287e−05
pull
Entries 52
Mean 72.95
Std Dev 0

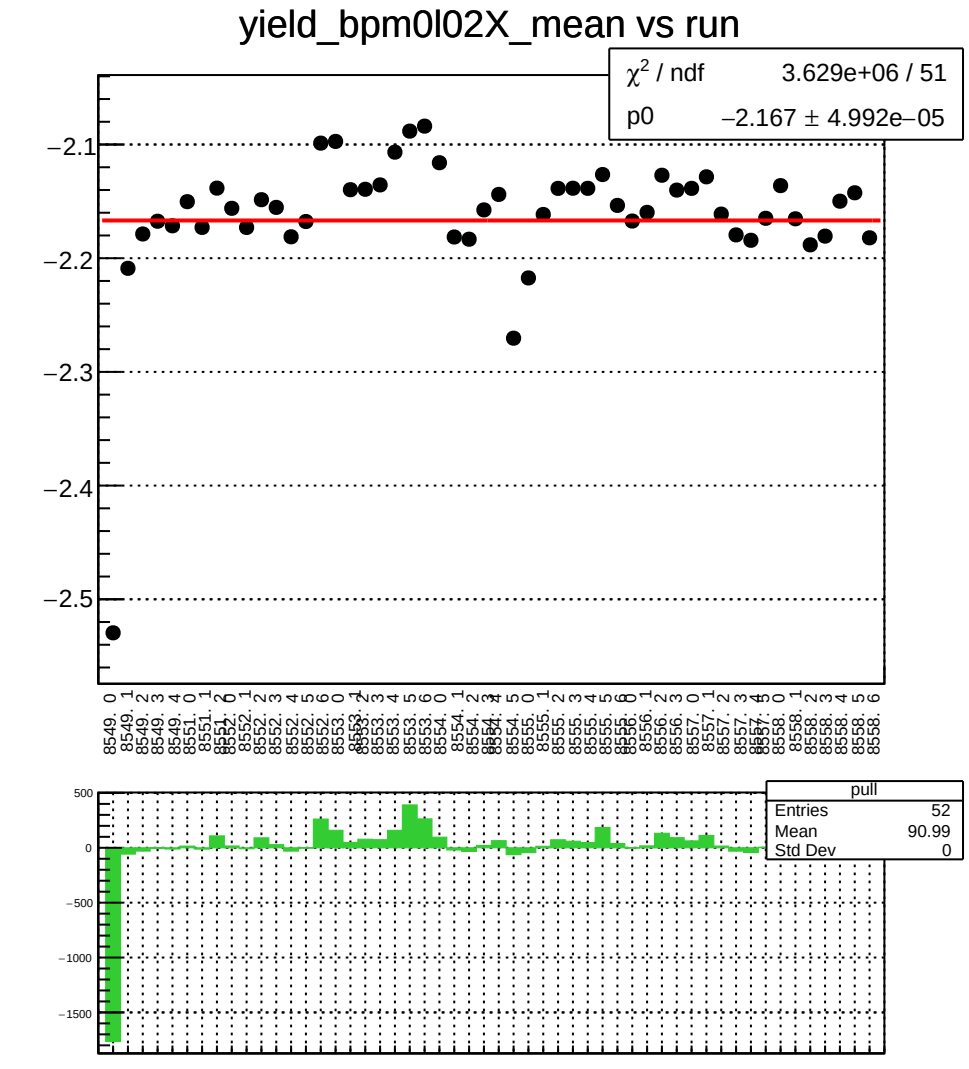

pull1D
Entries 52
Mean 0.616
Std Dev 4.206

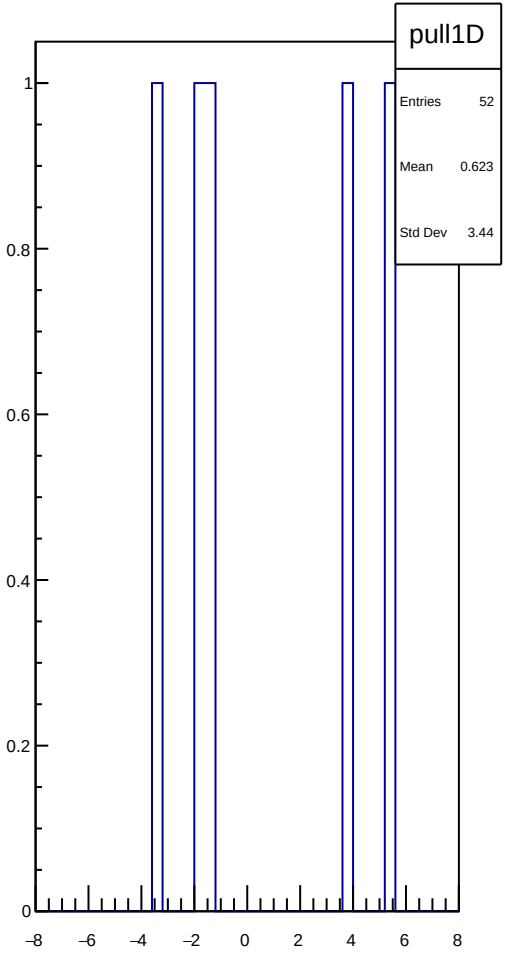

yield_bpm0l01X_rms vs run
χ² / ndf 1.501e+05 / 51
p0 0.02176 ± 2.324e–05
0.12
0.1
0.08
0.06
0.04
0.02
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 5
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

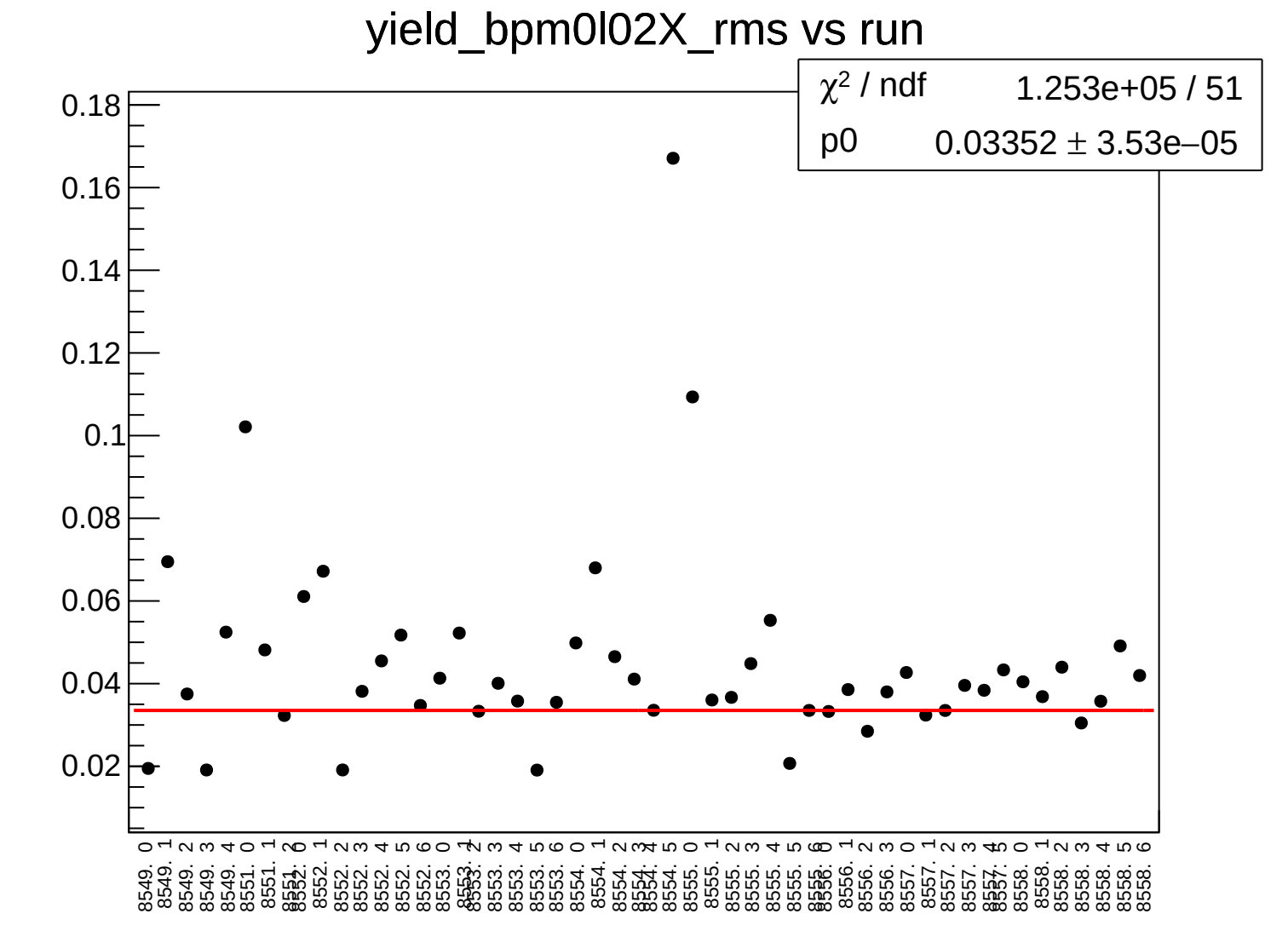

yield_bpm0l01Y_mean vs run
χ² / ndf 3.834e+05 / 51
p0 −6.363 ± 2.169e−05
−6.33
−6.34
−6.35
−6.36
−6.37
−6.38
−6.39
pull
Entries 52
Mean 15.55
Std Dev 0
200
150
100
50
0
−50
−100
−150

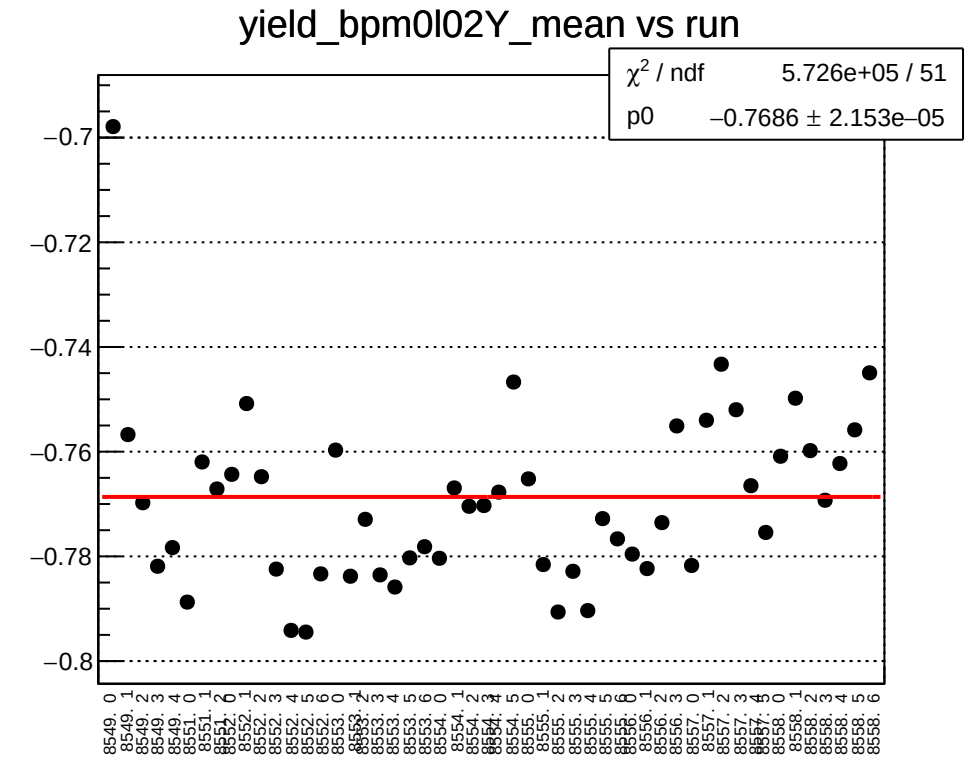

pull1D
Entries 52
Mean −1.373
Std Dev 5.388
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

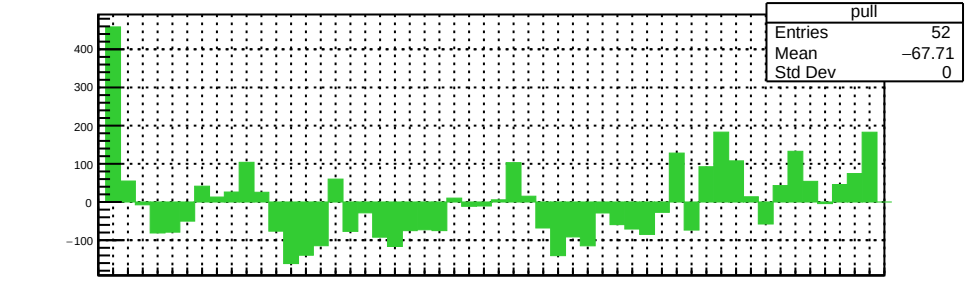

yield_bpm0l01Y_rms vs run
χ² / ndf 1.607e+04 / 51
p0 0.01542 ± 1.534e–05
0.028
0.026
0.024
0.022
0.02
0.018
0.016
0.014
0.012
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 5
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

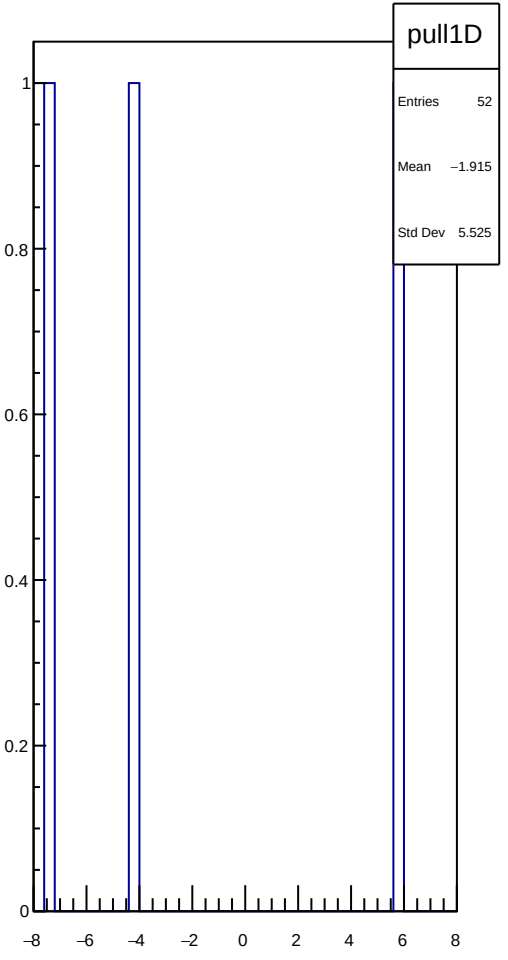

yield_bpm0l02X_mean vs run
χ² / ndf 3.629e+06 / 51
p0 −2.167 ± 4.992e−05
−2.1
−2.2
−2.3
−2.4
−2.5
pull
Entries 52
Mean 90.99
Std Dev 0
500
0
−500
−1000
−1500

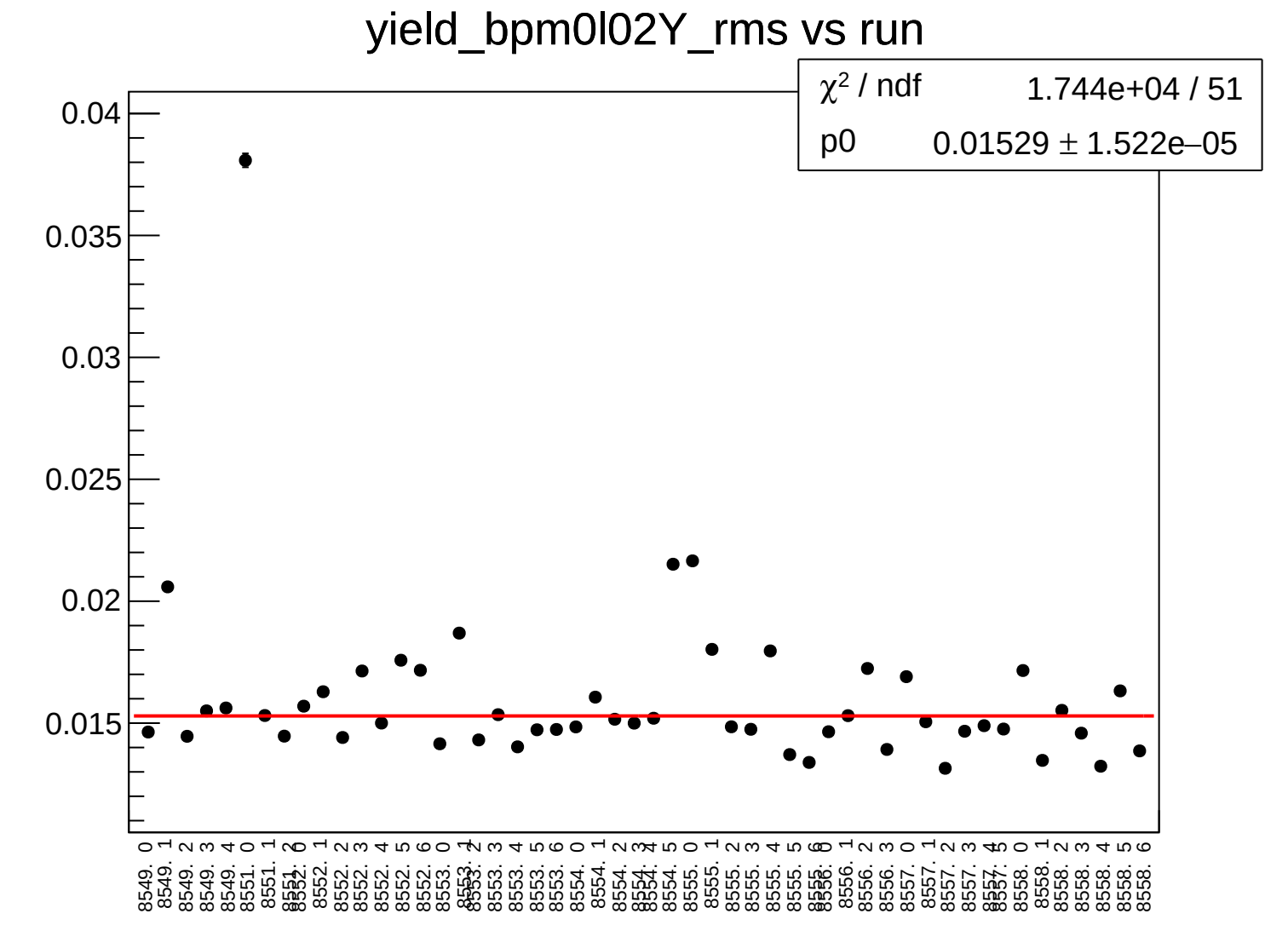

pull1D
Entries 52
Mean 0.623
Std Dev 3.44
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

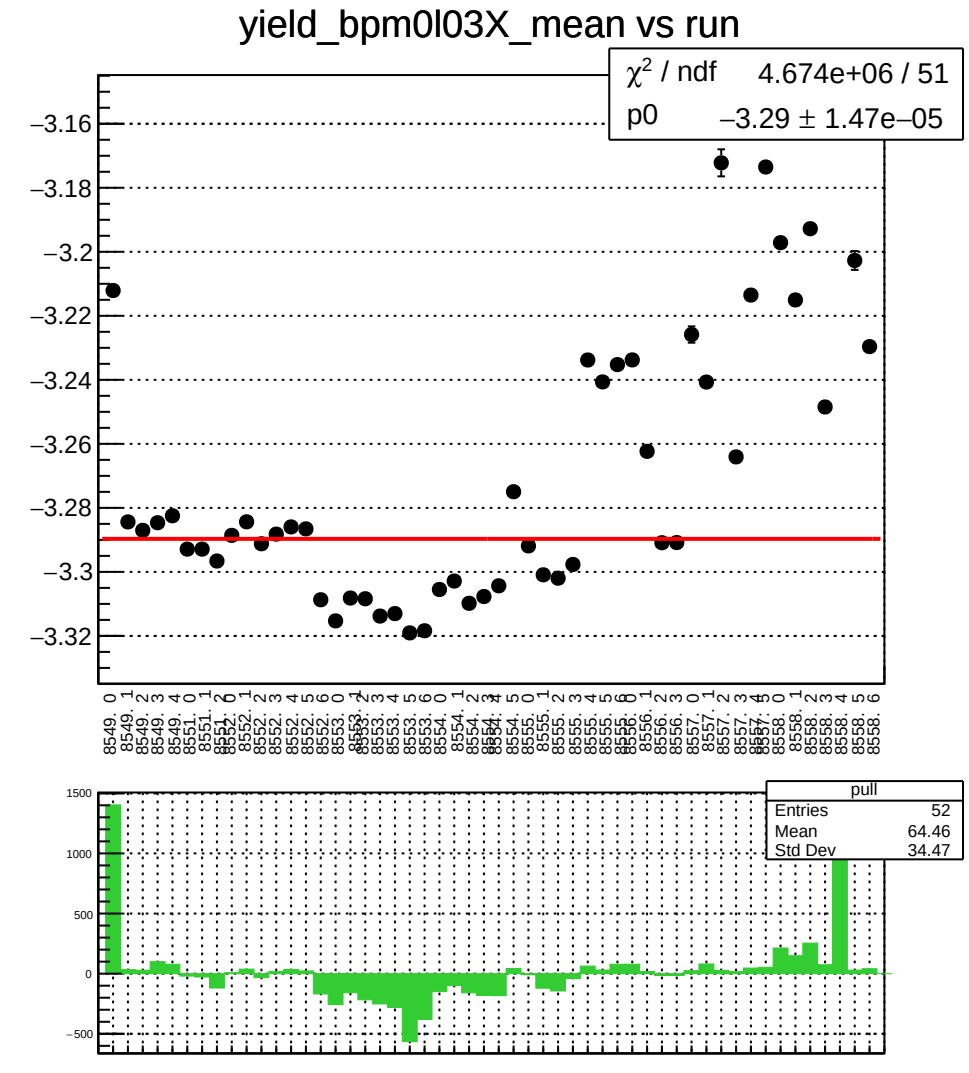

yield_bpm0l02X_rms vs run
χ² / ndf 1.253e+05 / 51
p0 0.03352 ± 3.53e−05
0.18
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 5
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

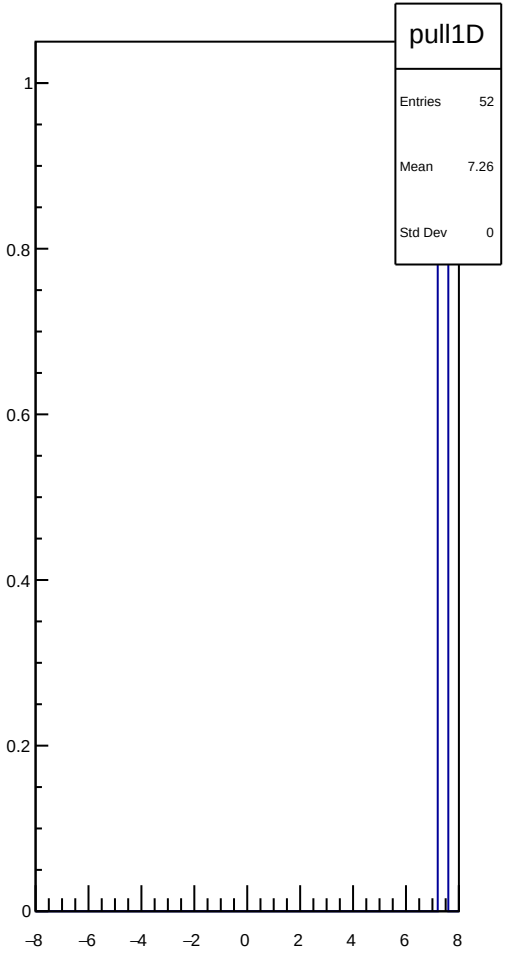

yield_bpm0l02Y_mean vs run
χ² / ndf 5.726e+05 / 51
p0 −0.7686 ± 2.153e−05
−0.7
−0.72
−0.74
−0.76
−0.78
−0.8
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8551. 2
8552. 0
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 1
8553. 2
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 3
8554. 4
8554. 5
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8555. 6
8556. 0
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8557. 4
8557. 5
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

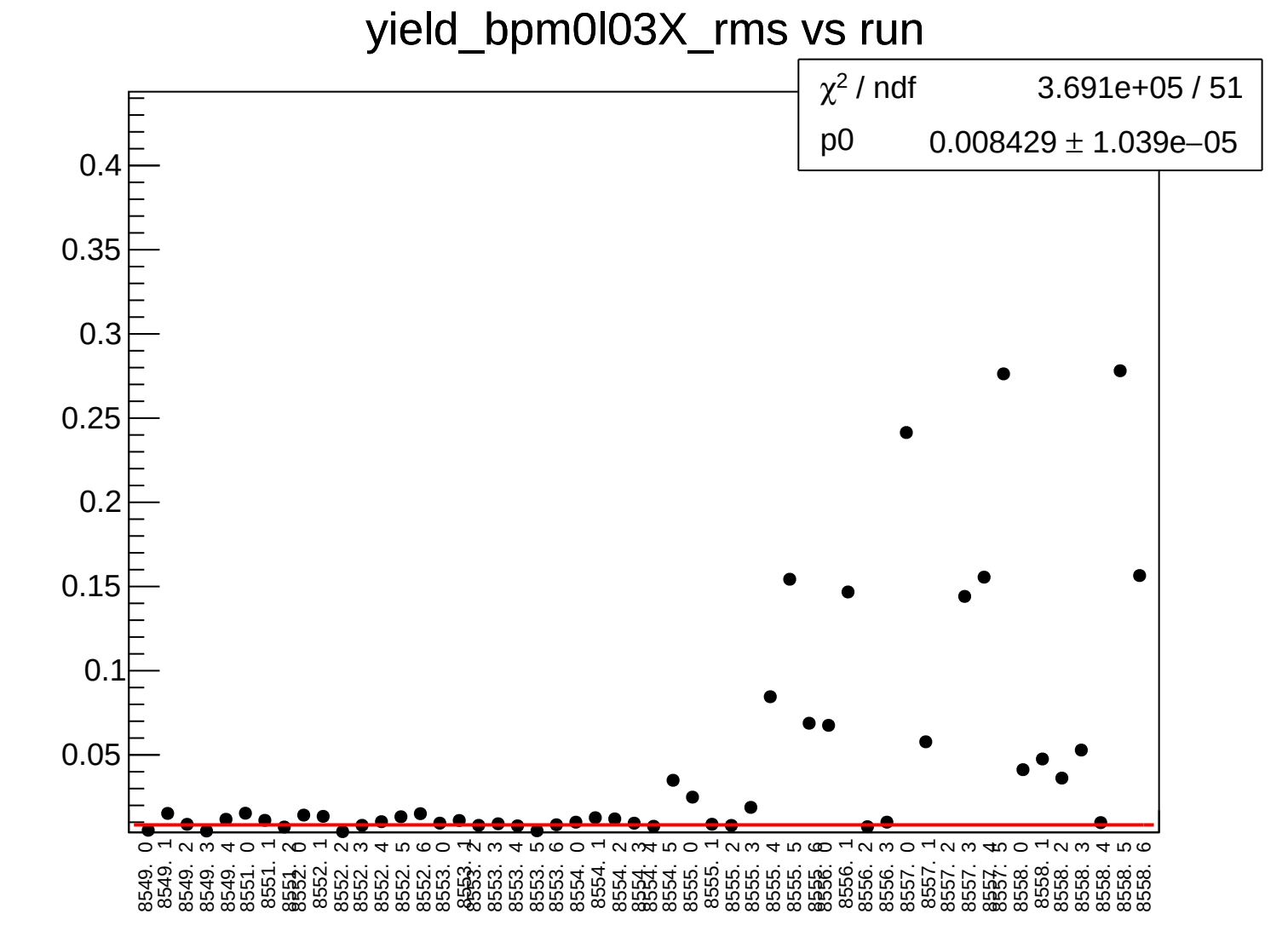

pull
Entries 52
Mean −67.71
Std Dev 0
400
300
200
100
0
−100

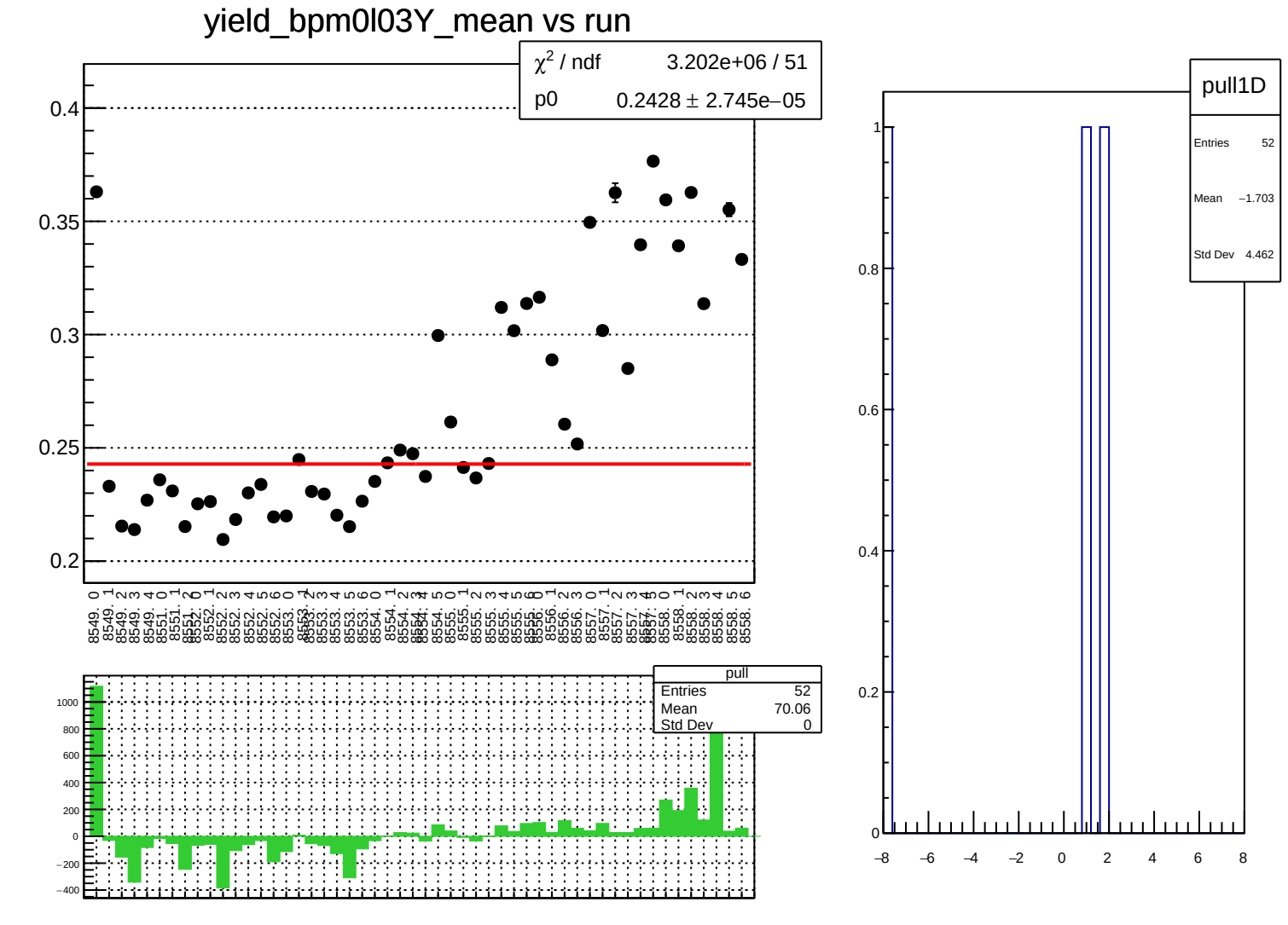

pull1D
Entries 52
Mean −1.915
Std Dev 5.525
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

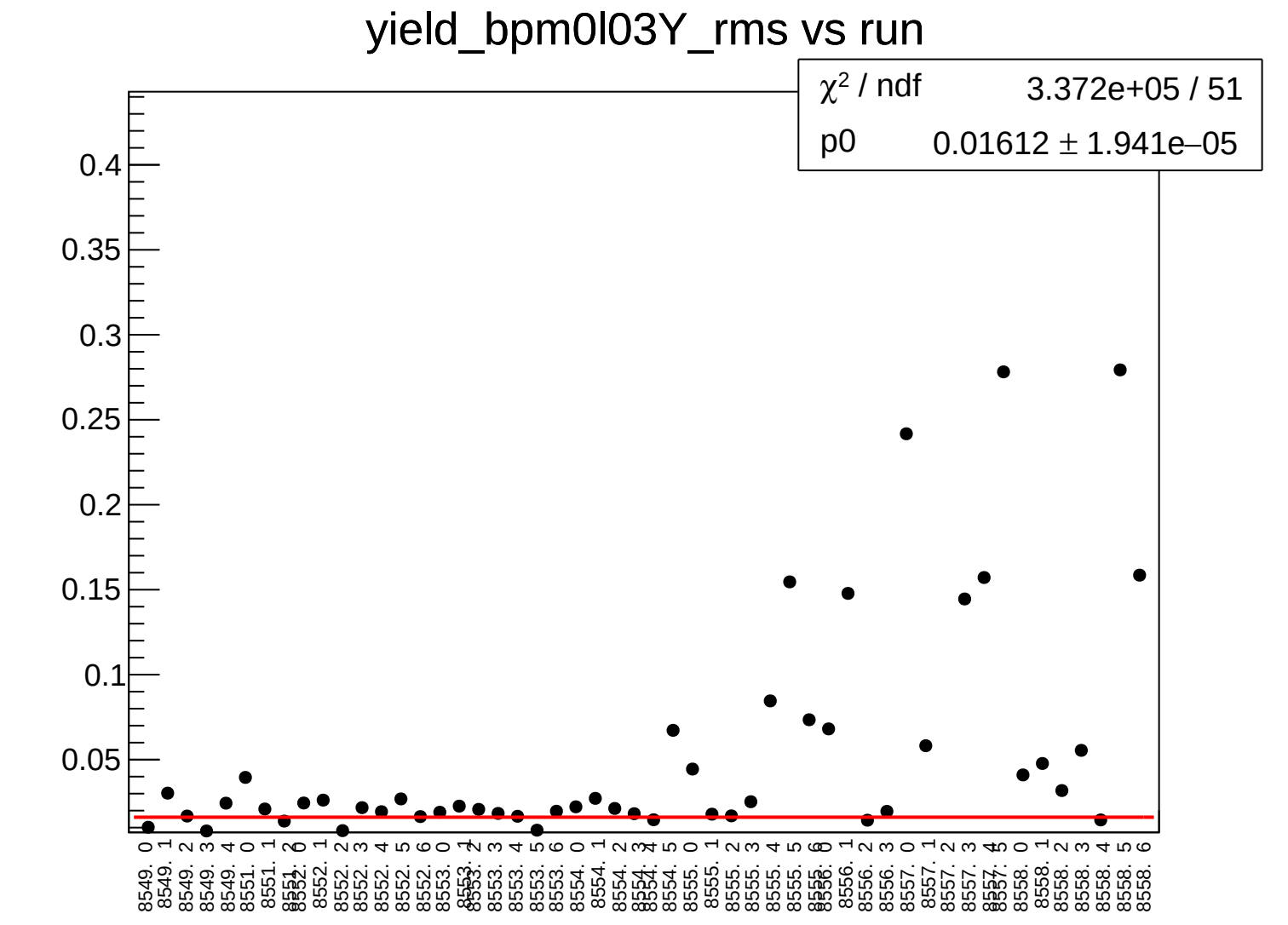

yield_bpm0l02Y_rms vs run
χ² / ndf 1.744e+04 / 51
p0 0.01529 ± 1.522e−05
0.04
0.035
0.03
0.025
0.02
0.015
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 5
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

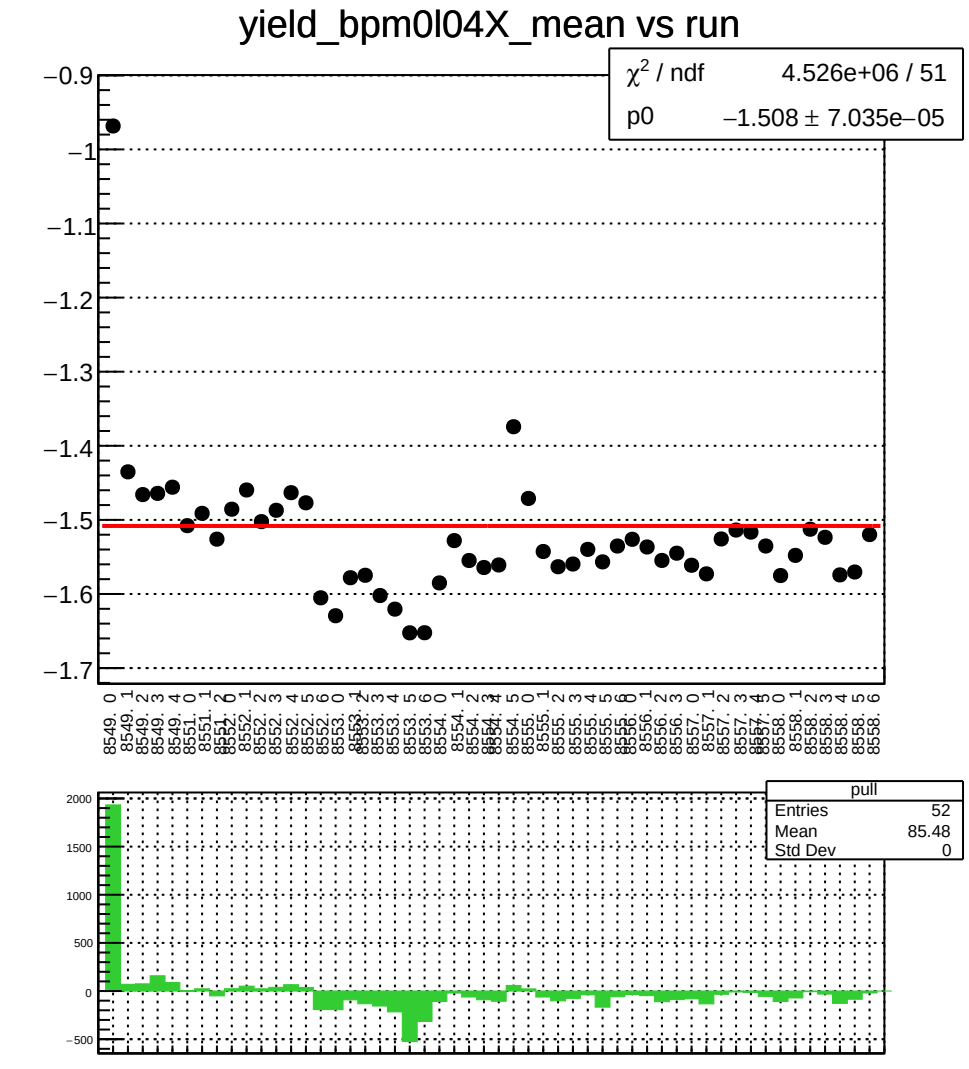

yield_bpm0l03X_mean vs run
χ² / ndf 4.674e+06 / 51
p0 −3.29 ± 1.47e−05
−3.16
−3.18
−3.2
−3.22
−3.24
−3.26
−3.28
−3.3
−3.32
pull
Entries 52
Mean 64.46
Std Dev 34.47
1500
1000
500
0
−500

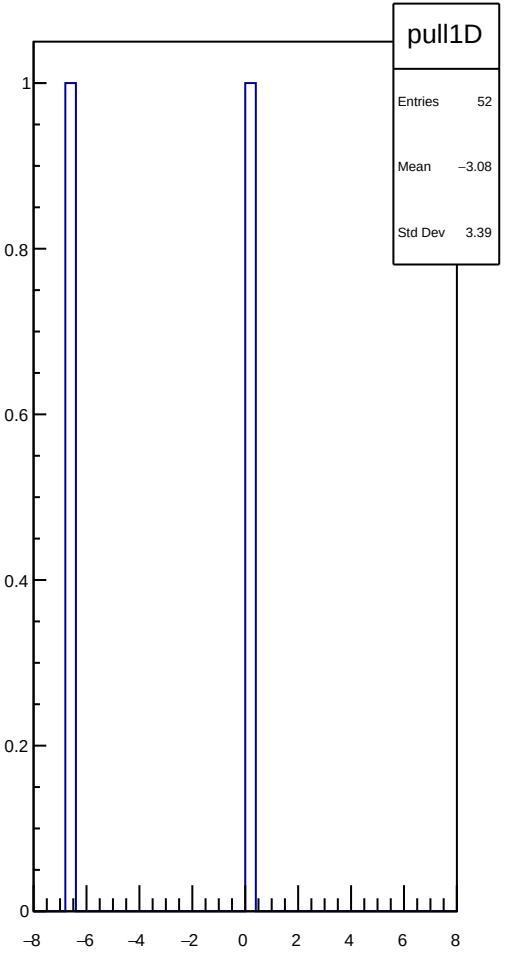

pull1D
Entries 52
Mean 7.26
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

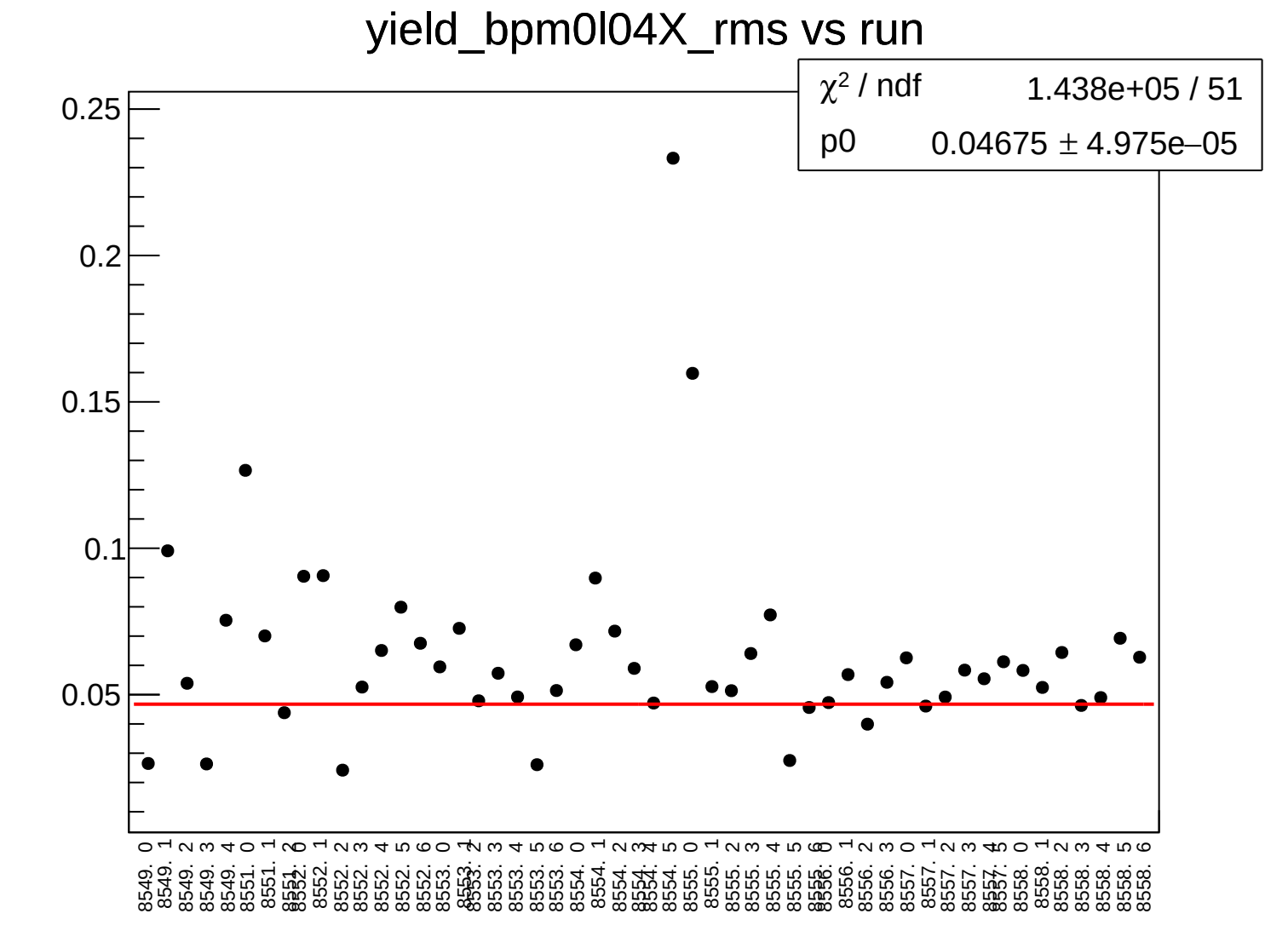

yield_bpm0l03X_rms vs run
χ² / ndf 3.691e+05 / 51
p0 0.008429 ± 1.039e−05
0.4
0.35
0.3
0.25
0.2
0.15
0.1
0.05
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 0
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 2
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 5
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

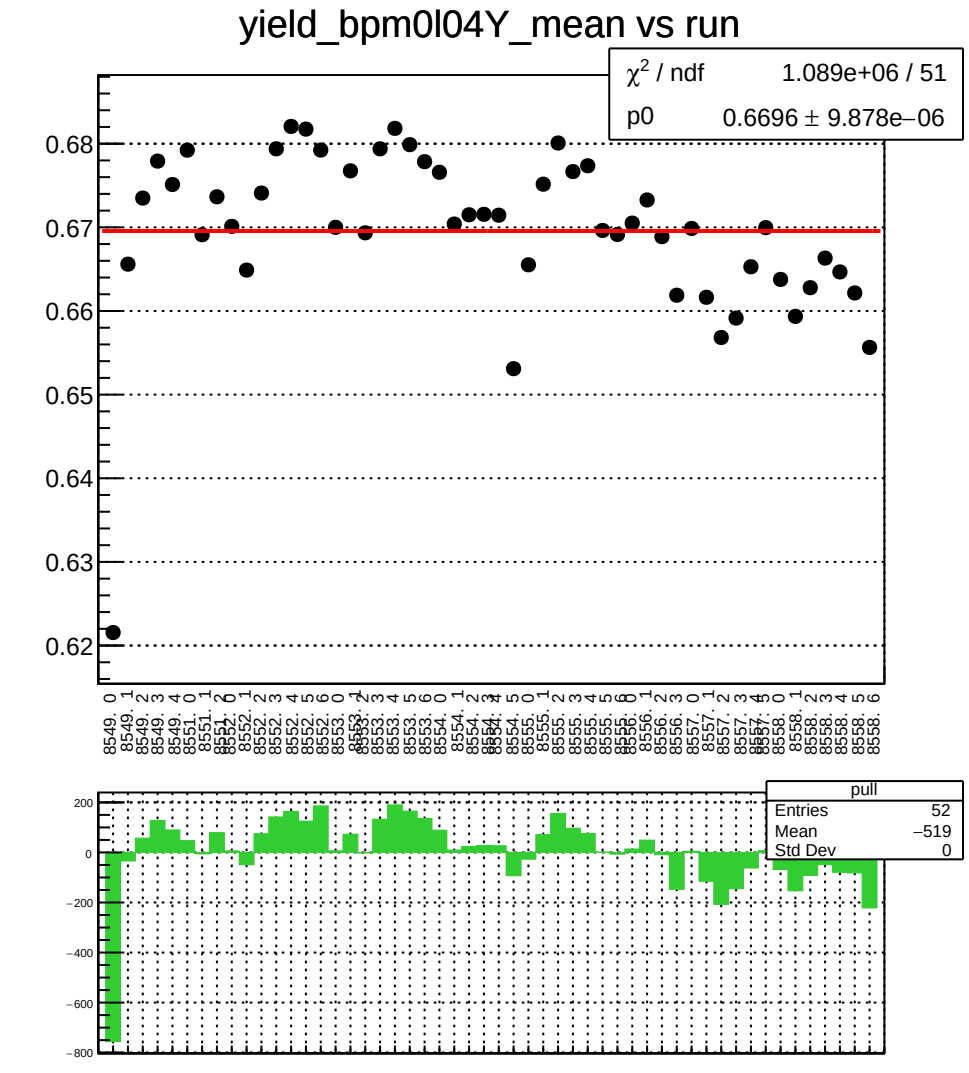

yield_bpm0l03Y_mean vs run
χ² / ndf 3.202e+06 / 51
p0 0.2428 ± 2.745e−05
0.4
0.35
0.3
0.25
0.2
pull
Entries 52
Mean 70.06
Std Dev 0
1000
800
600
400
200
0
−200
−400
pull1D
Entries 52
Mean −1.703
Std Dev 4.462
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

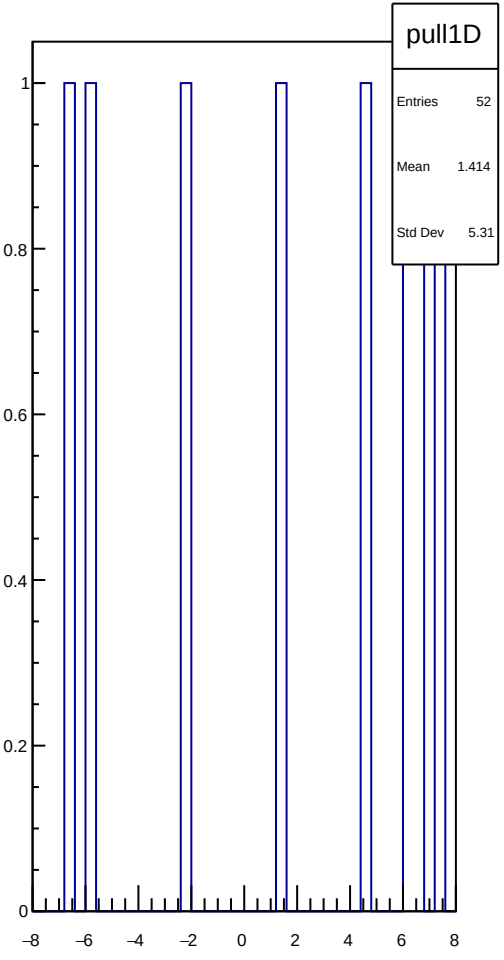

yield_bpm0l03Y_rms vs run
χ² / ndf 3.372e+05 / 51
p0 0.01612 ± 1.941e−05
0.4
0.35
0.3
0.25
0.2
0.15
0.1
0.05
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8551. 2
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 5
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

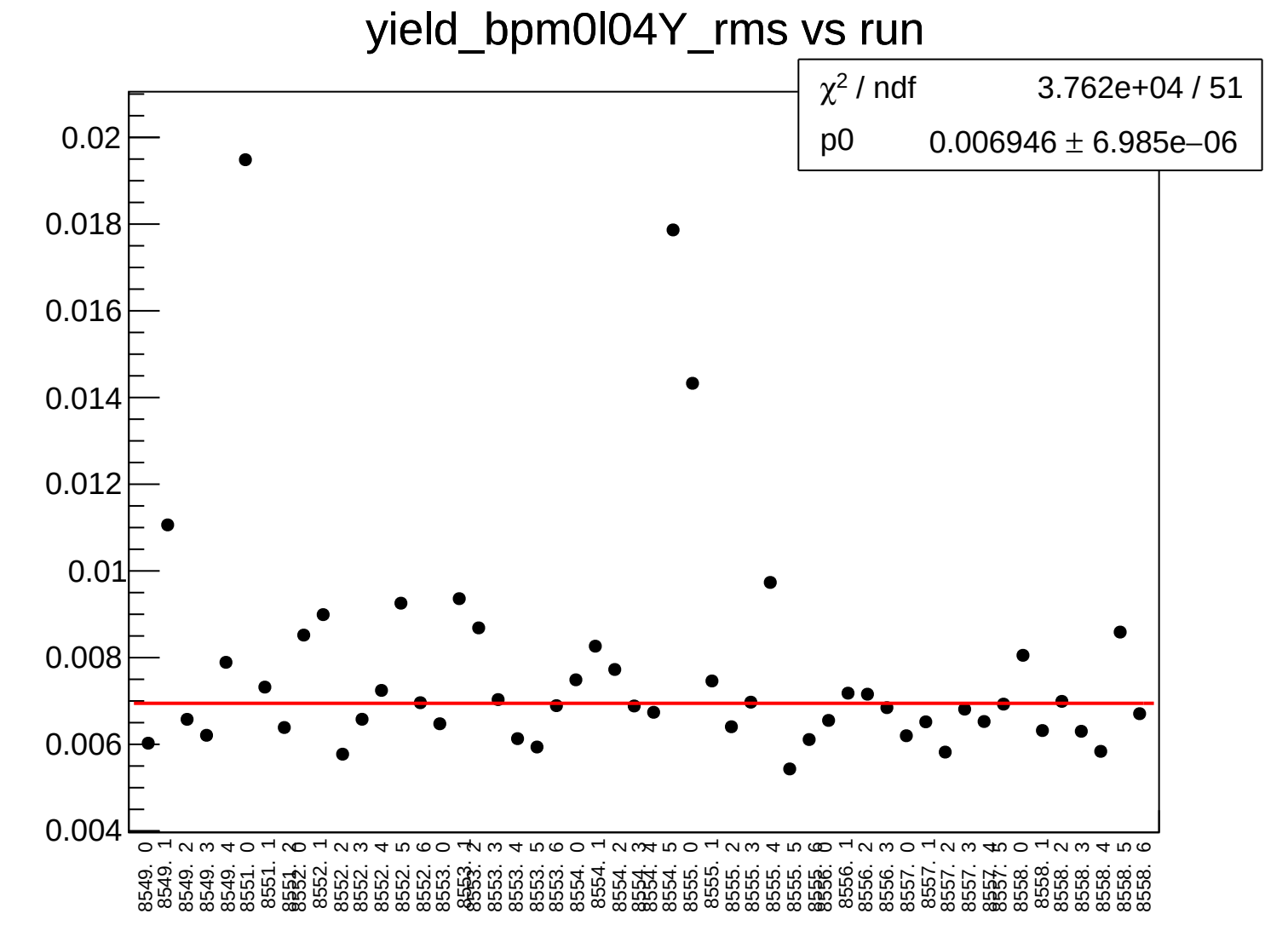

yield_bpm0l04X_mean vs run
χ² / ndf 4.526e+06 / 51
p0 −1.508 ± 7.035e−05
pull
Entries 52
Mean 85.48
Std Dev 0

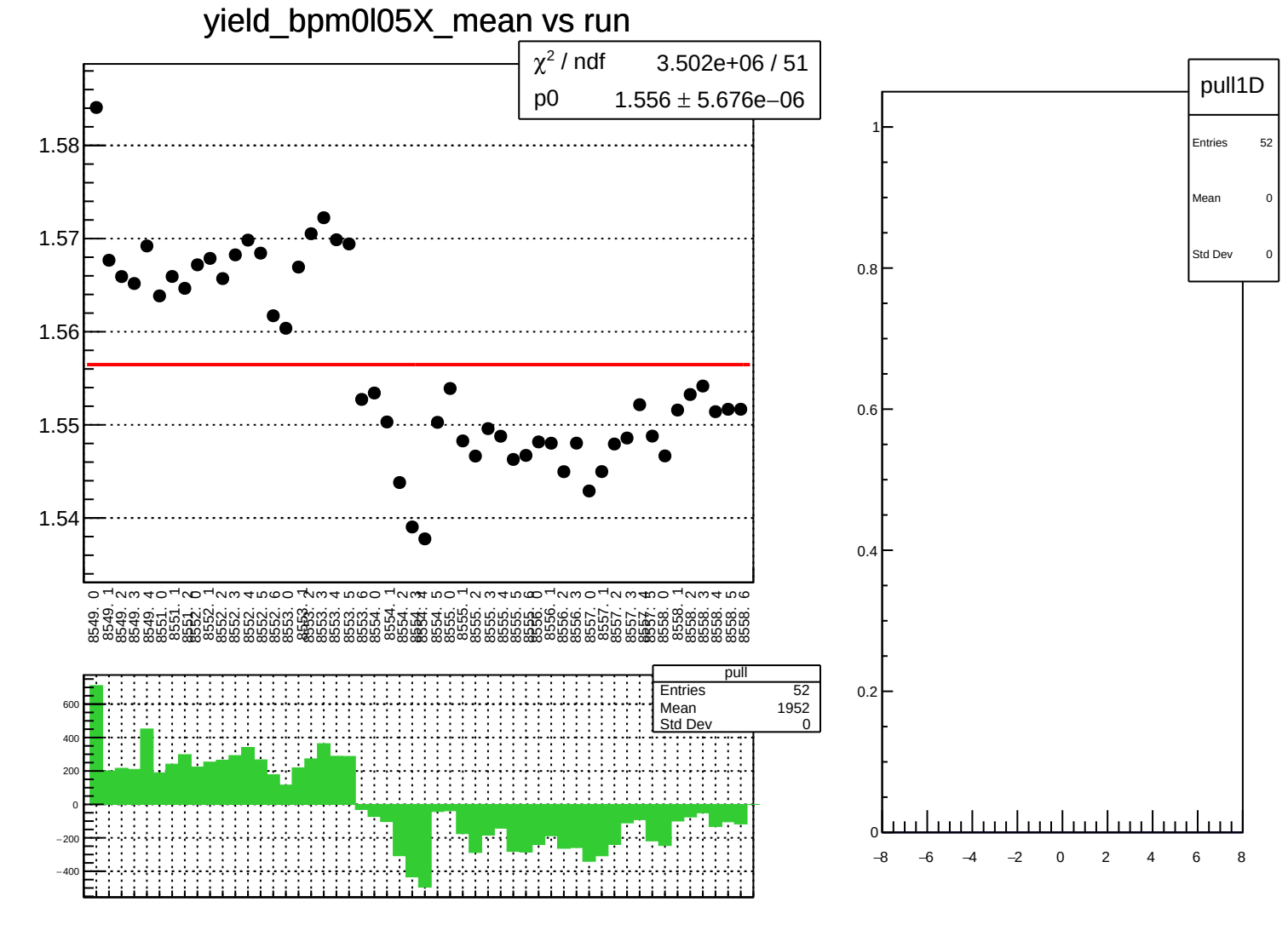

pull1D
Entries 52
Mean −3.08
Std Dev 3.39

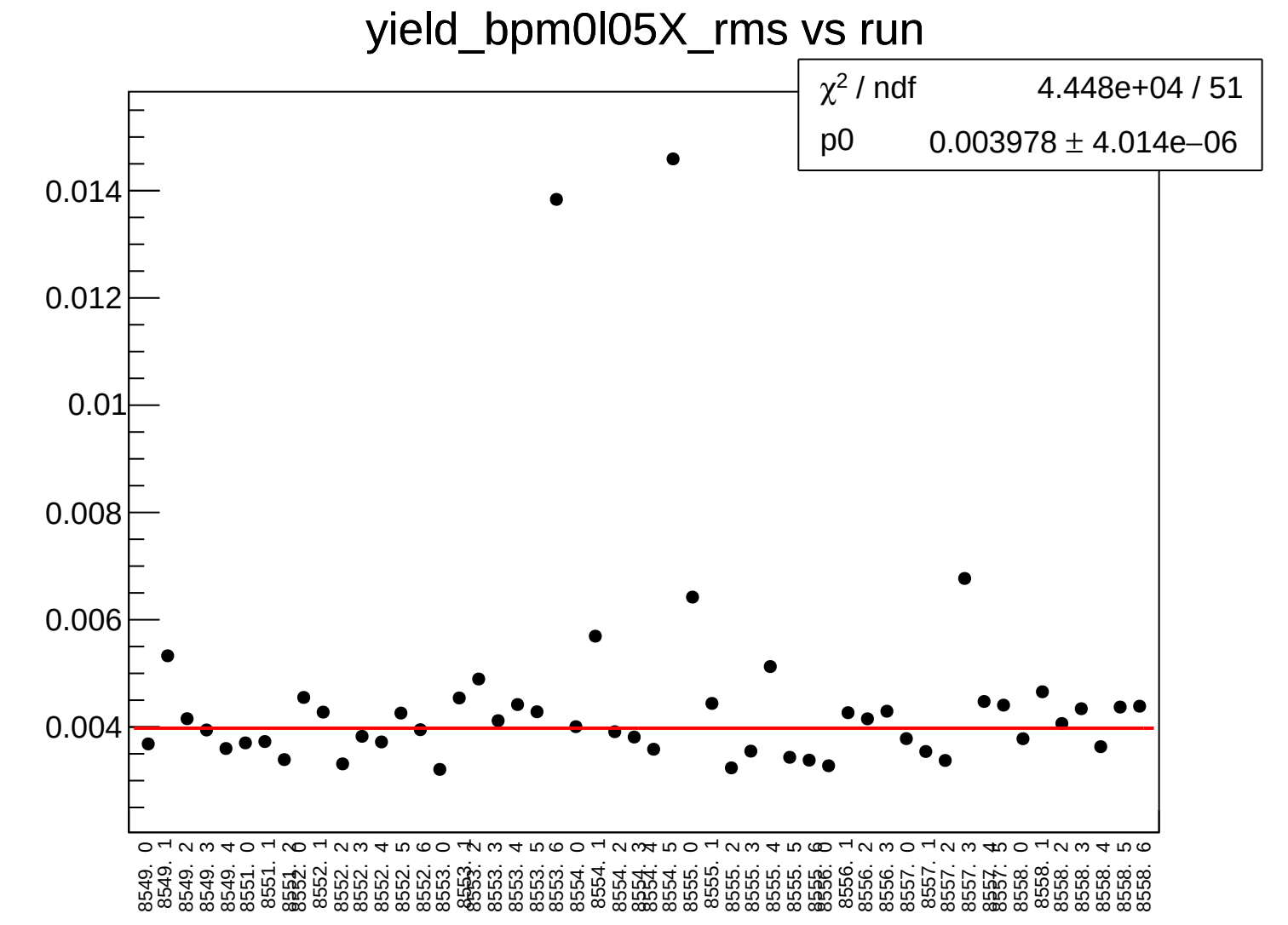

yield_bpm0l04X_rms vs run
χ² / ndf 1.438e+05 / 51
p0 0.04675 ± 4.975e−05
0.25
0.2
0.15
0.1
0.05
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 5
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6


yield_bpm0l04Y_mean vs run
χ² / ndf 1.089e+06 / 51
p0 0.6696 ± 9.878e−06
0.68
0.67
0.66
0.65
0.64
0.63
0.62
pull
Entries 52
Mean −519
Std Dev 0
200
0
−200
−400
−600
−800


pull1D
Entries 52
Mean 1.414
Std Dev 5.31
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 3.762e+04 / 51
p0 0.006946 ± 6.985e−06
0.02
0.018
0.016
0.014
0.012
0.01
0.008
0.006
0.004
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 5
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6


yield_bpm0l05X_mean vs run
χ² / ndf 3.502e+06 / 51
p0 1.556 ± 5.676e−06
1.58
1.57
1.56
1.55
1.54
pull
Entries 52
Mean 1952
Std Dev 0
600
400
200
0
−200
−400
pull1D
Entries 52
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 4.448e+04 / 51
p0 0.003978 ± 4.014e−06
0.014
0.012
0.01
0.008
0.006
0.004
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
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8558. 0
8558. 1
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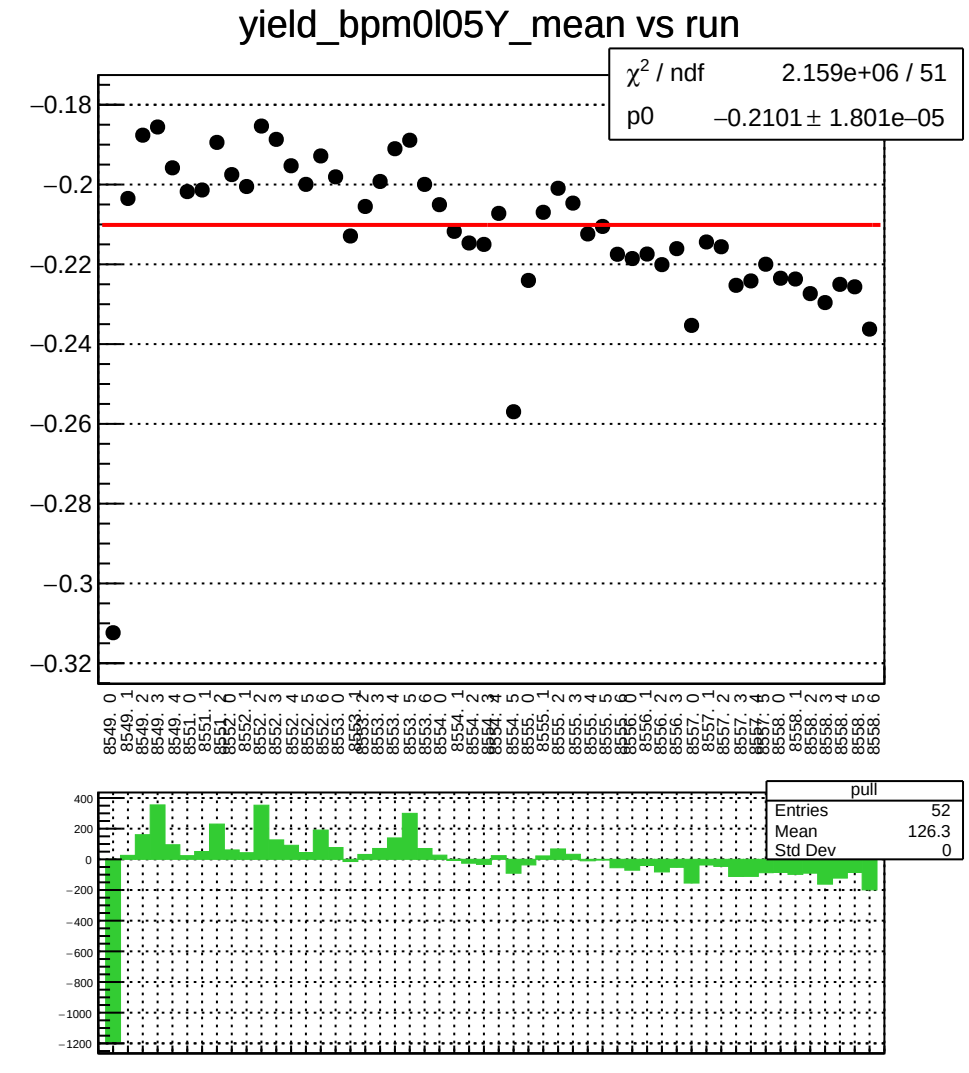
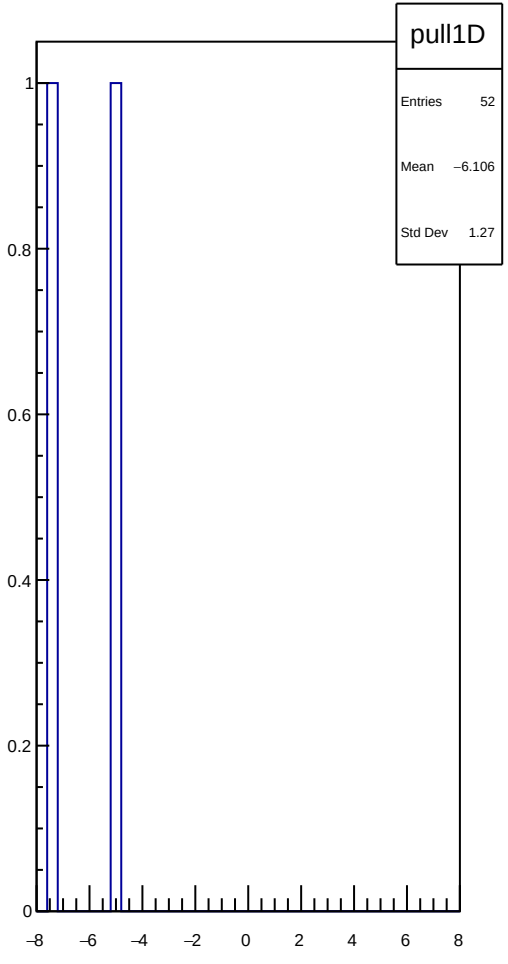
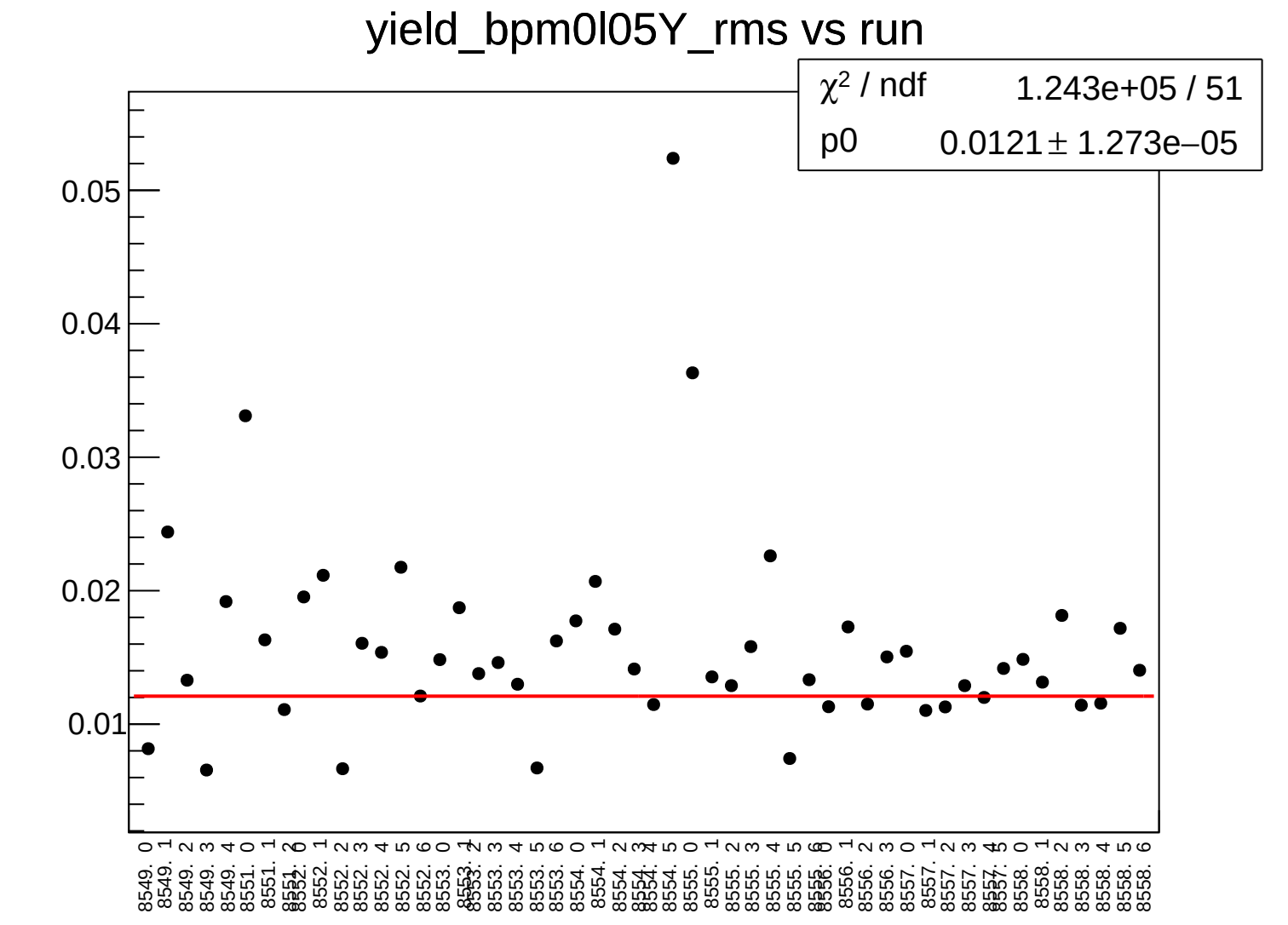
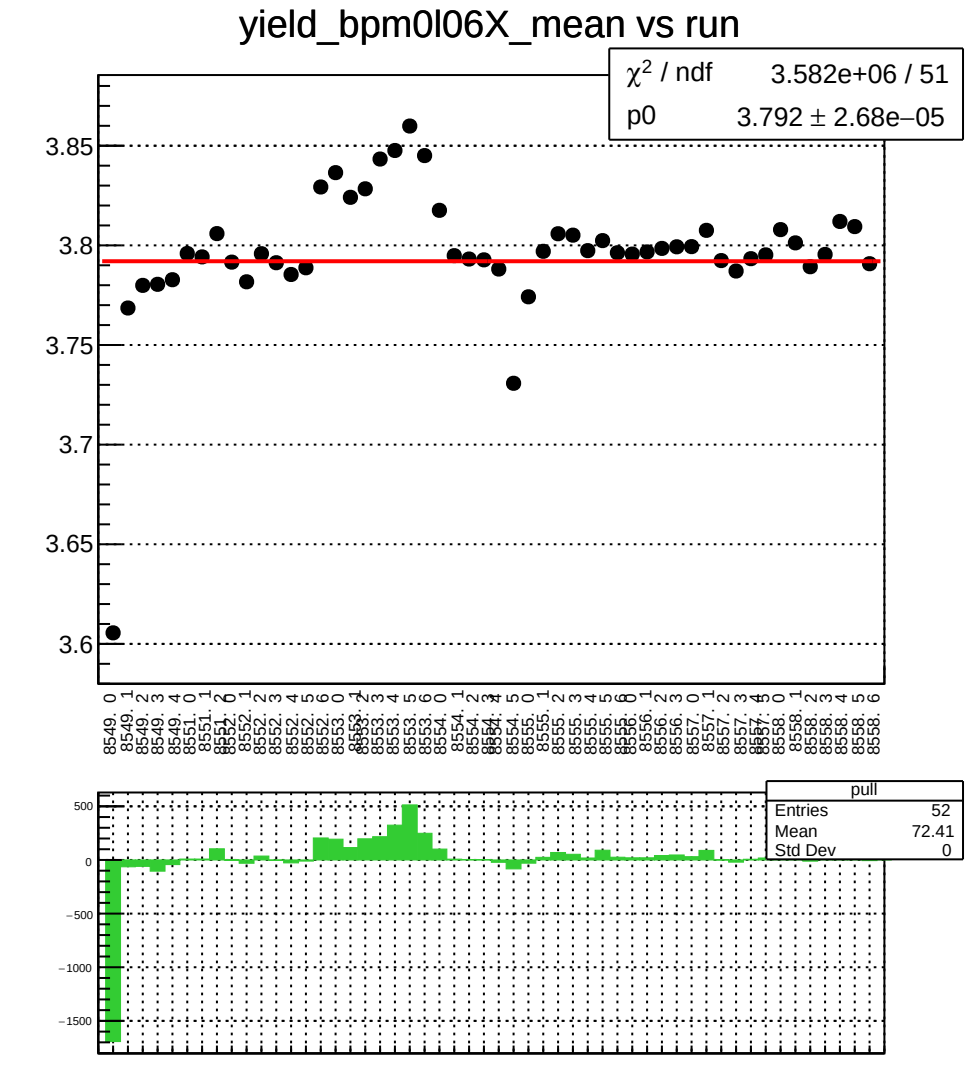
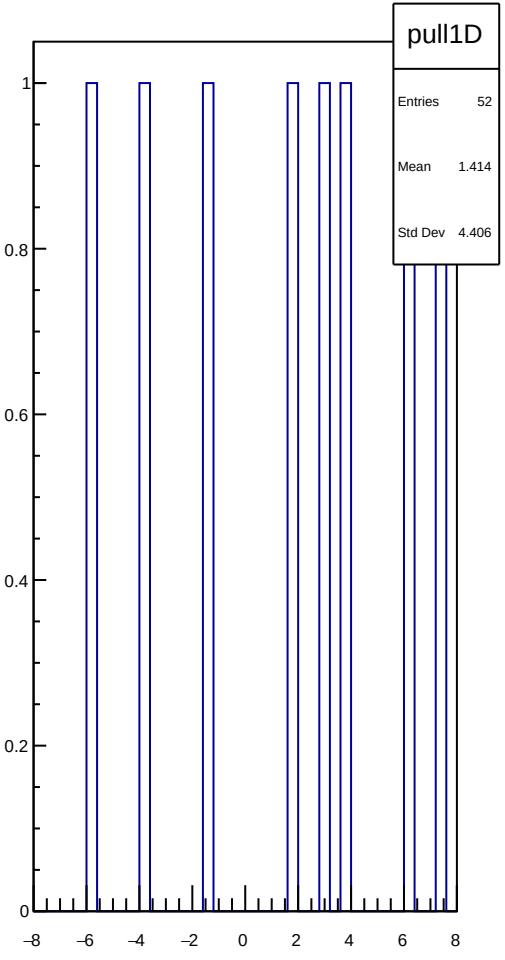
8558. 5
8558. 6

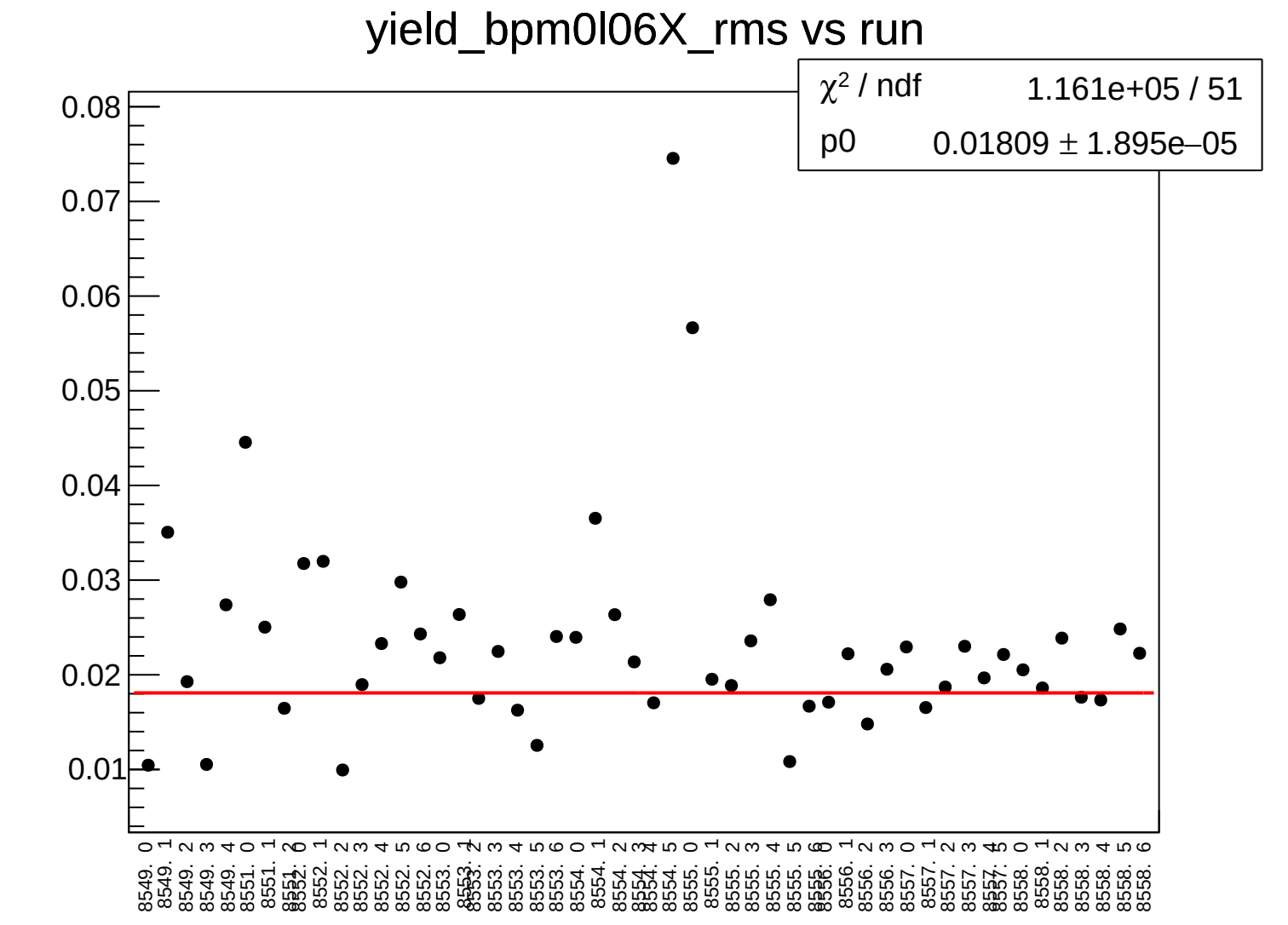

yield_bpm0l05Y_mean vs run
χ² / ndf 2.159e+06 / 51
p0 −0.2101 ± 1.801e−05
pull
Entries 52
Mean 126.3
Std Dev 0

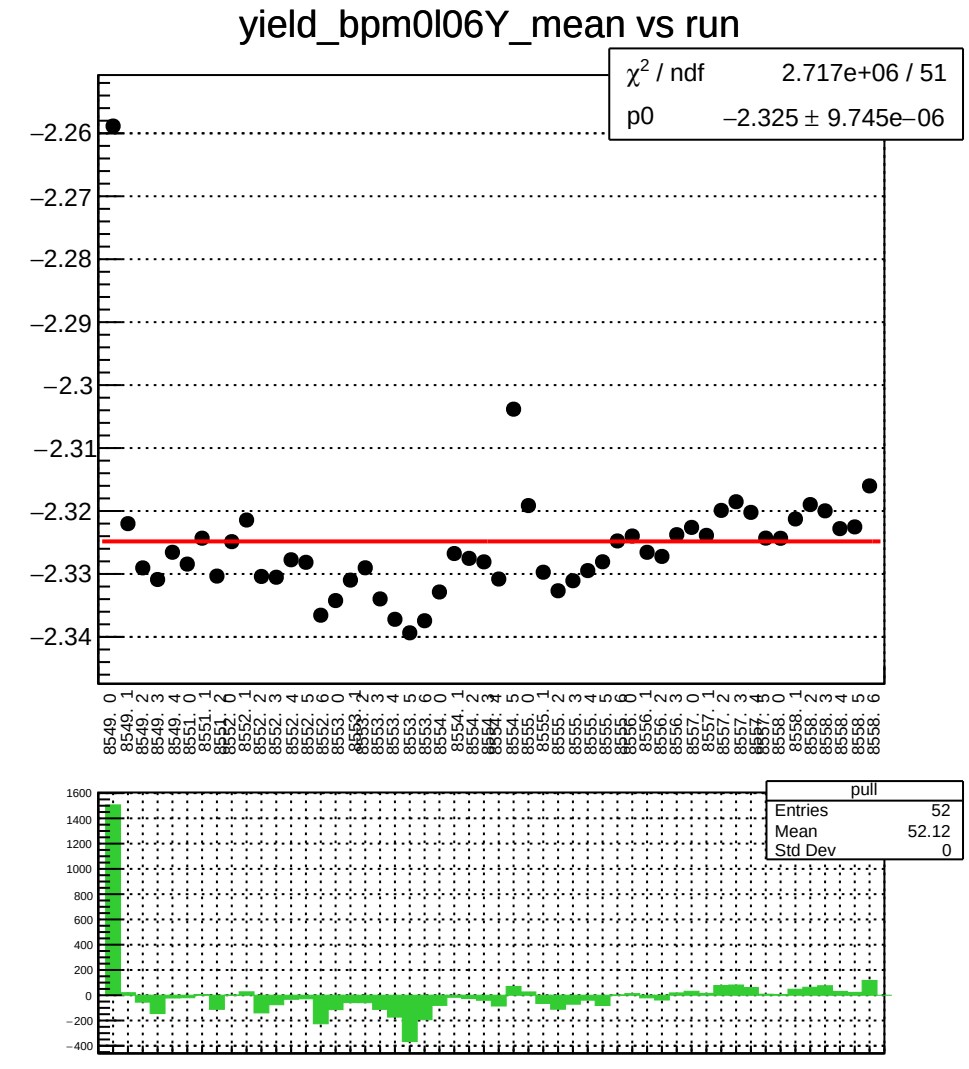

pull1D
Entries 52
Mean −6.106
Std Dev 1.27

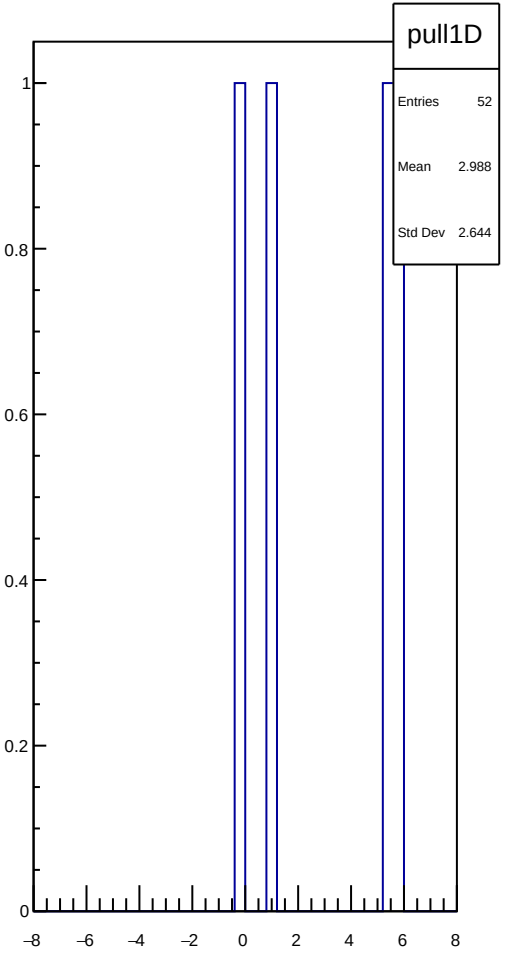

yield_bpm0l05Y_rms vs run
χ² / ndf 1.243e+05 / 51
p0 0.0121 ± 1.273e−05
0.05
0.04
0.03
0.02
0.01
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 5
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

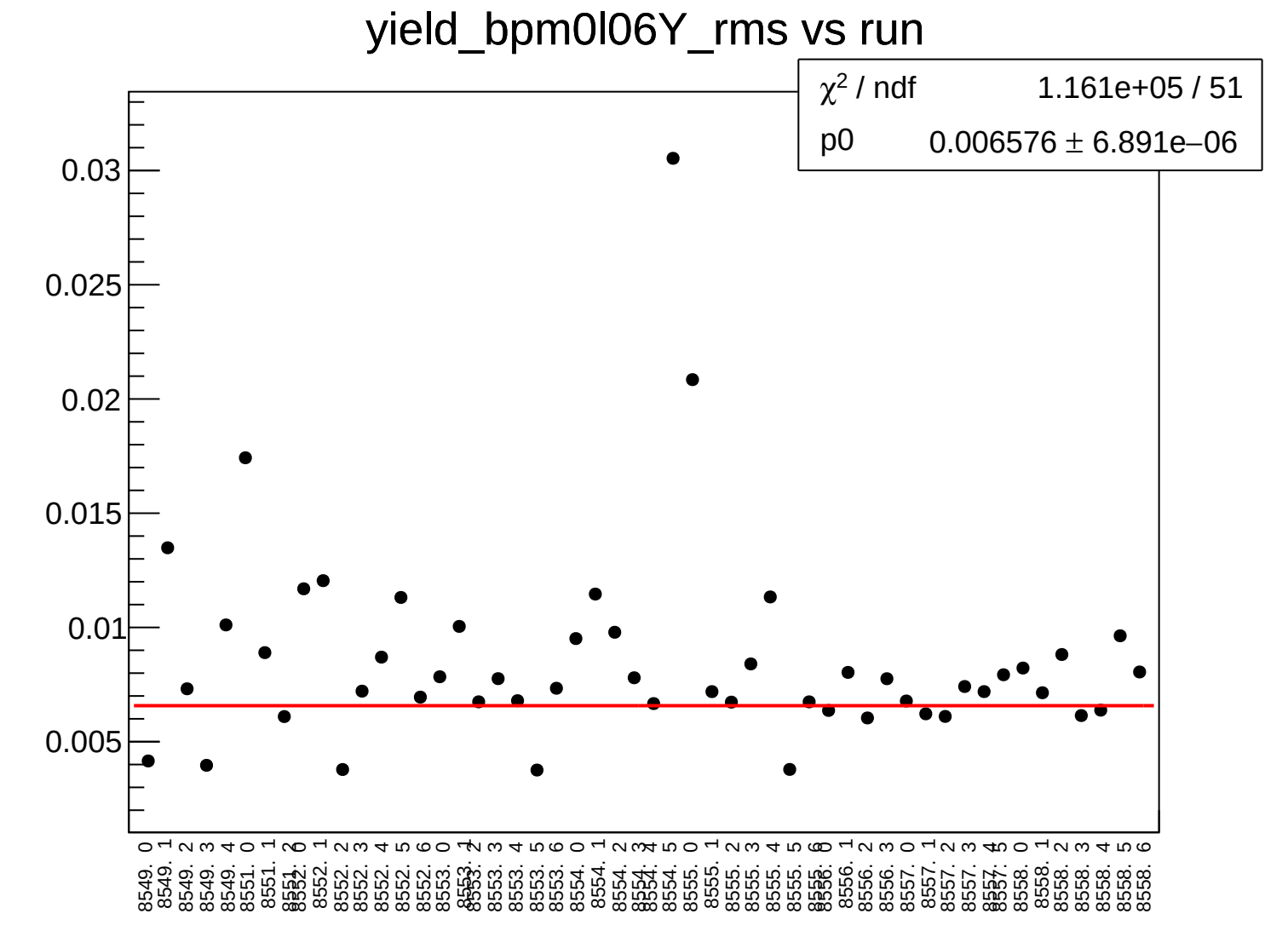

yield_bpm0l06X_mean vs run
χ² / ndf 3.582e+06 / 51
p0 3.792 ± 2.68e−05
3.85
3.8
3.75
3.7
3.65
3.6
pull
Entries 52
Mean 72.41
Std Dev 0
500
0
−500
−1000
−1500

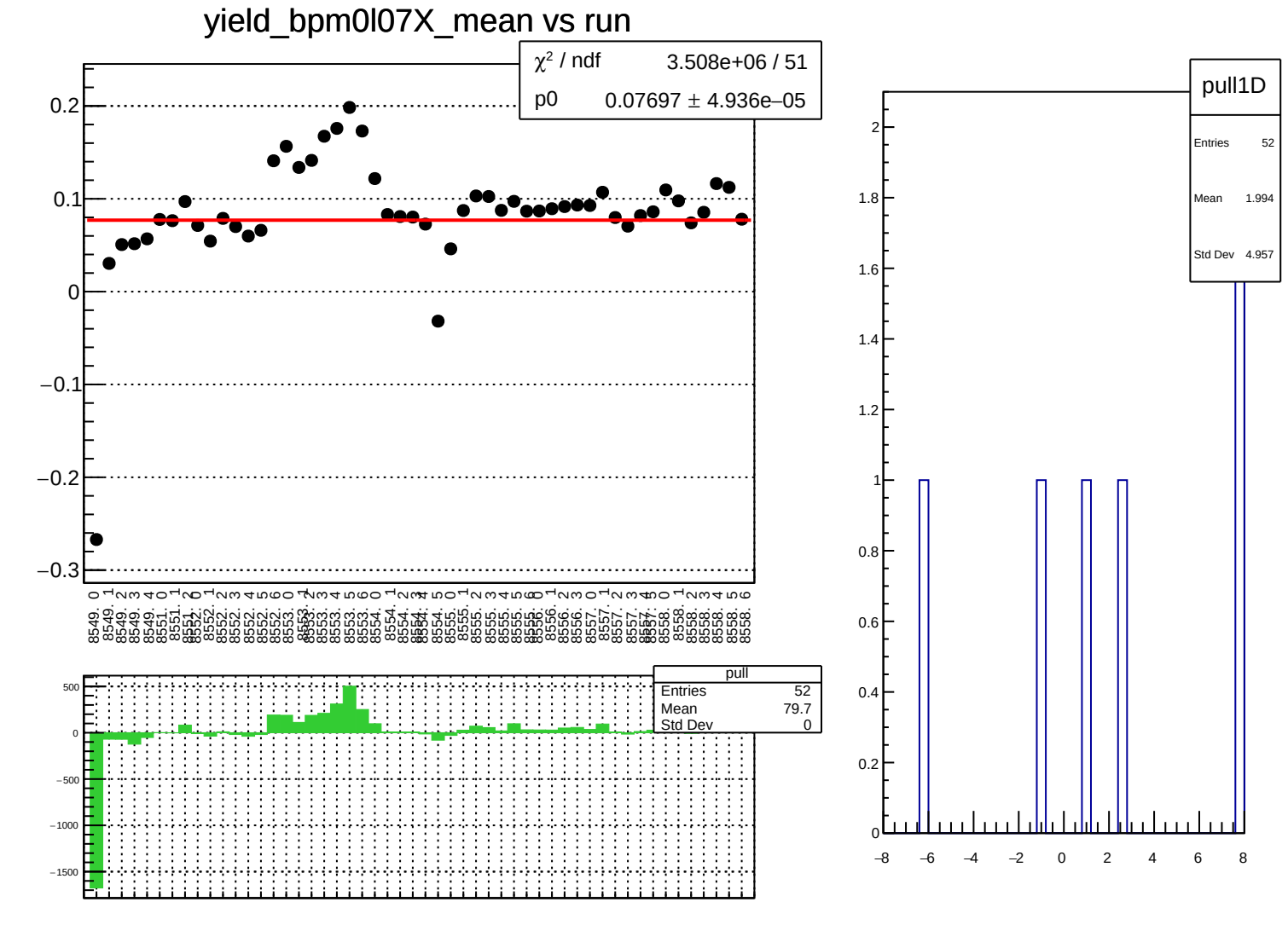

pull1D
Entries 52
Mean 1.414
Std Dev 4.406
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

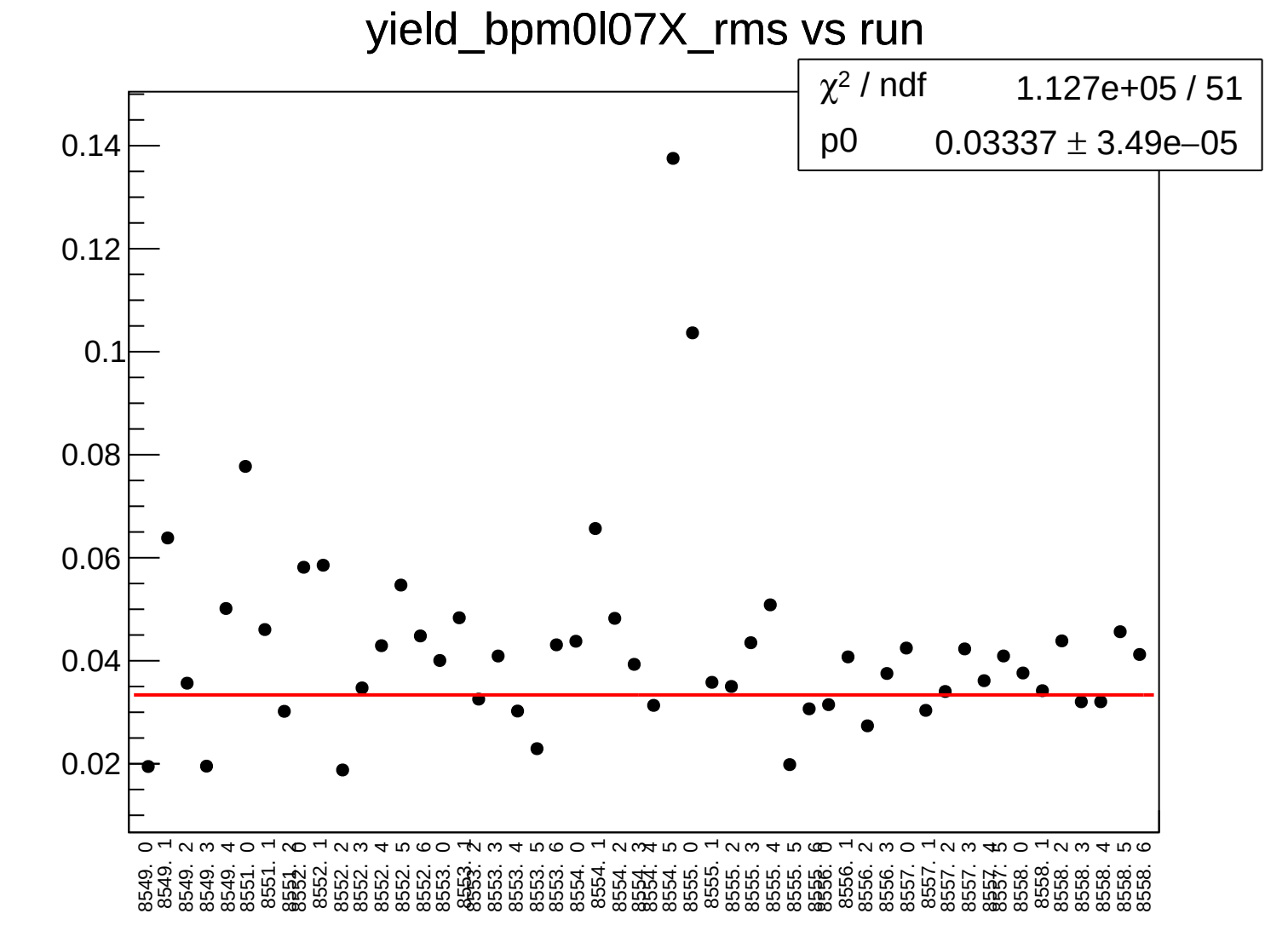

yield_bpm0l06X_rms vs run
χ² / ndf 1.161e+05 / 51
p0 0.01809 ± 1.895e−05
0.08
0.07
0.06
0.05
0.04
0.03
0.02
0.01
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 5
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

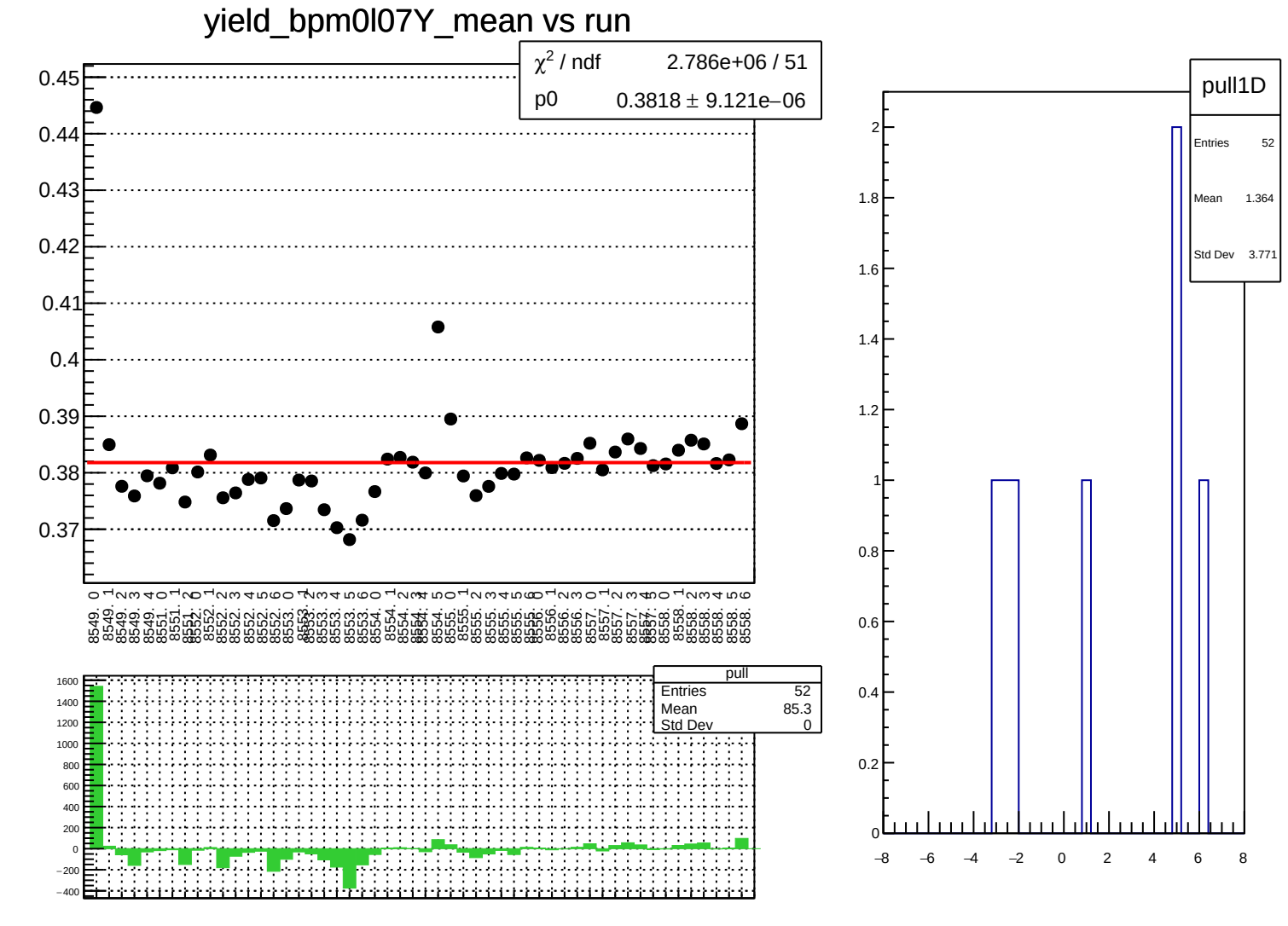

yield_bpm0l06Y_mean vs run
χ² / ndf 2.717e+06 / 51
p0 −2.325 ± 9.745e−06
−2.26
−2.27
−2.28
−2.29
−2.3
−2.31
−2.32
−2.33
−2.34
pull
Entries 52
Mean 52.12
Std Dev 0
1600
1400
1200
1000
800
600
400
200
0
−200
−400

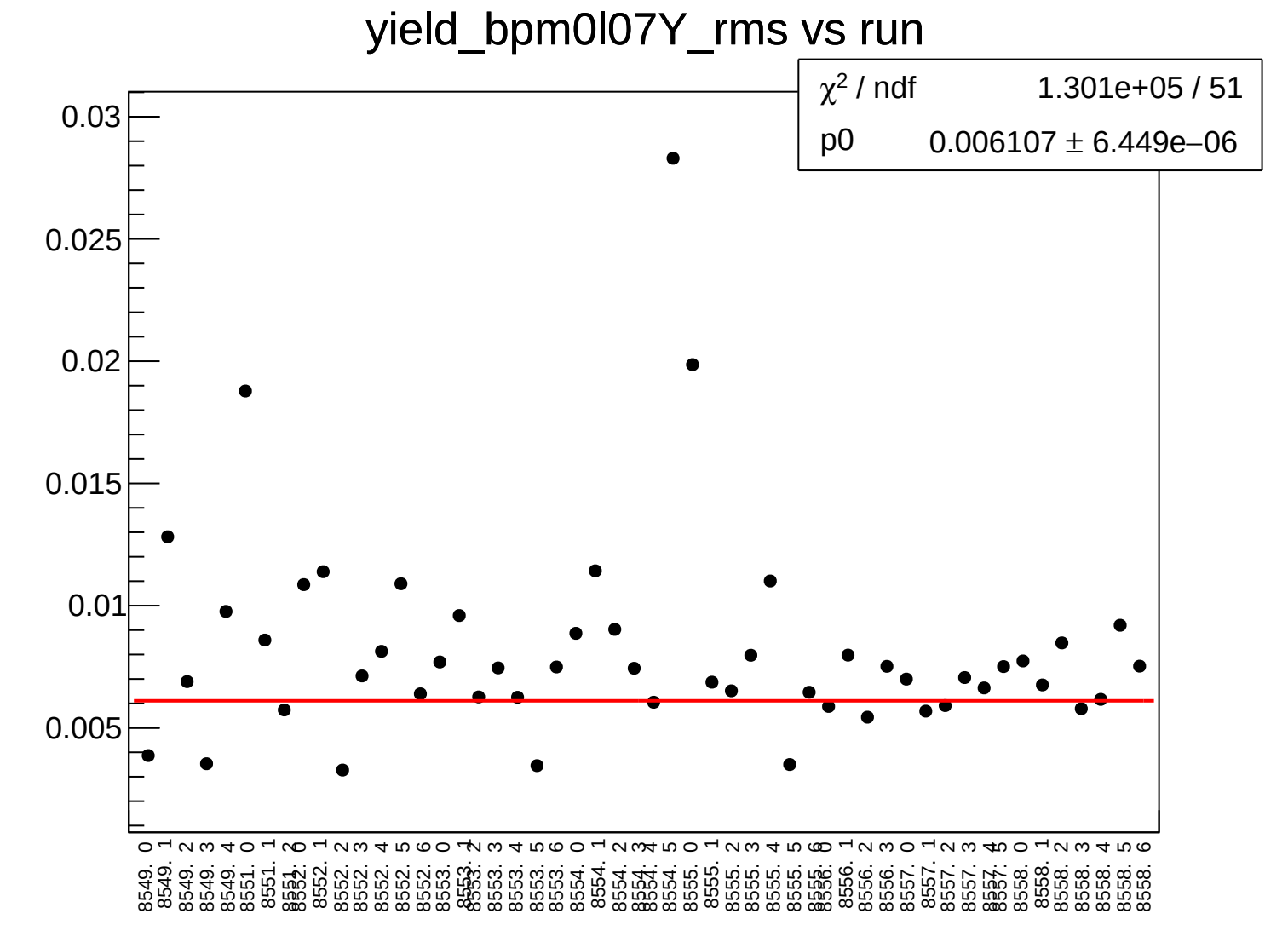

pull1D
Entries 52
Mean 2.988
Std Dev 2.644
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

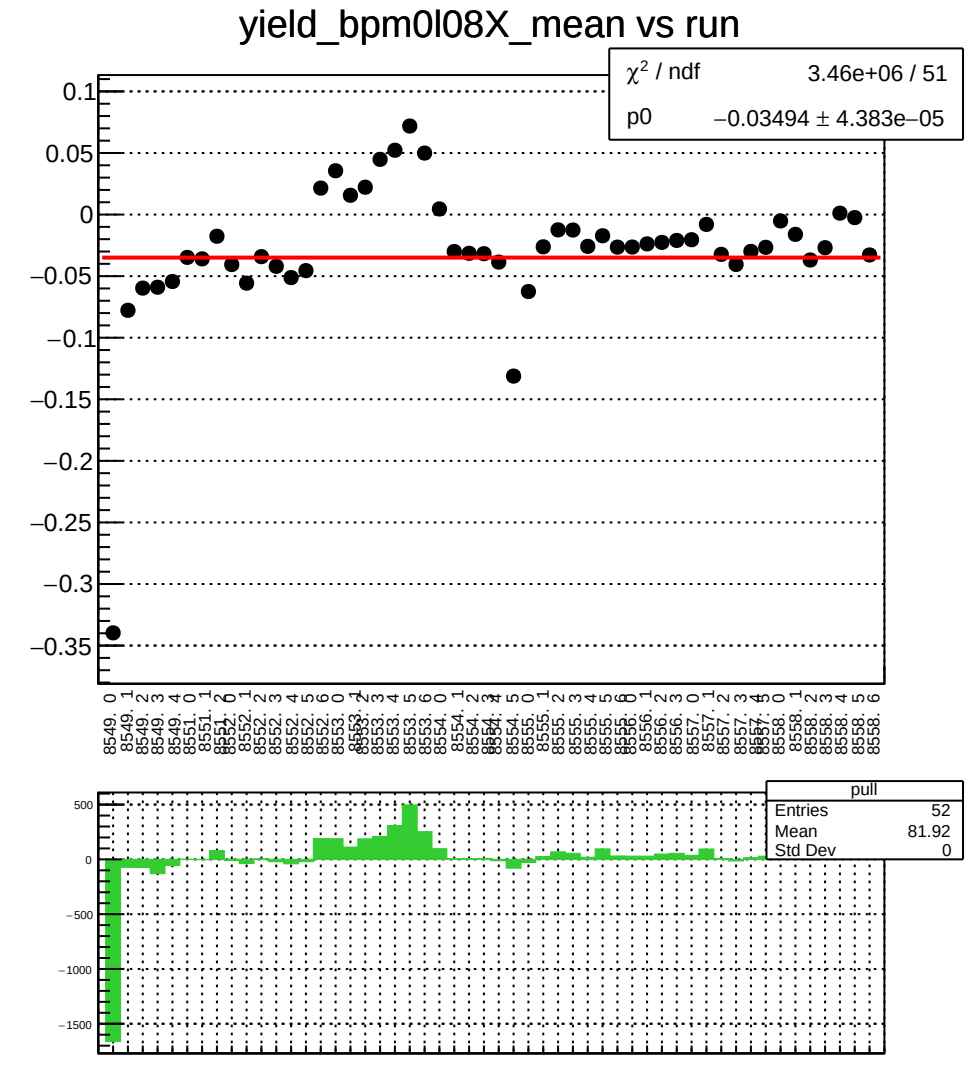

yield_bpm0l06Y_rms vs run
χ² / ndf 1.161e+05 / 51
p0 0.006576 ± 6.891e−06
0.03
0.025
0.02
0.015
0.01
0.005
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

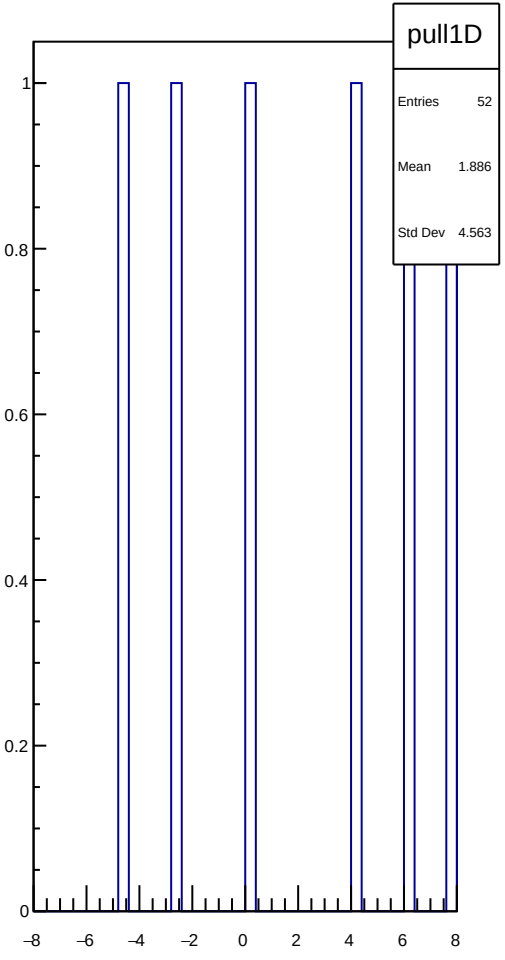

yield_bpm0l07X_mean vs run
χ² / ndf 3.508e+06 / 51
p0 0.07697 ± 4.936e−05
pull
Entries 52
Mean 79.7
Std Dev 0
pull1D
Entries 52
Mean 1.994
Std Dev 4.957

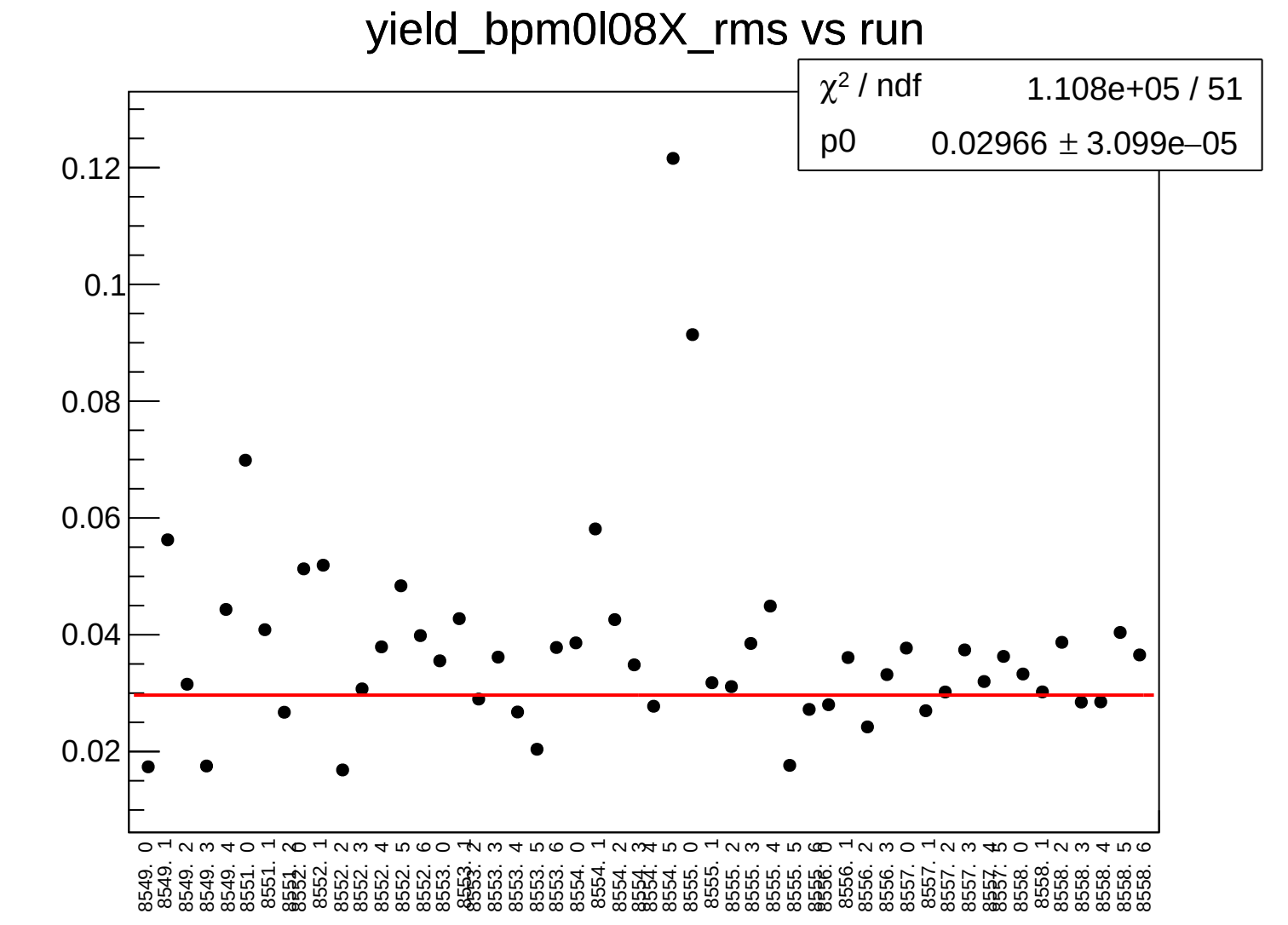

yield_bpm0l07X_rms vs run
χ² / ndf 1.127e+05 / 51
p0 0.03337 ± 3.49e−05
0.14
0.12
0.1
0.08
0.06
0.04
0.02
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 5
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

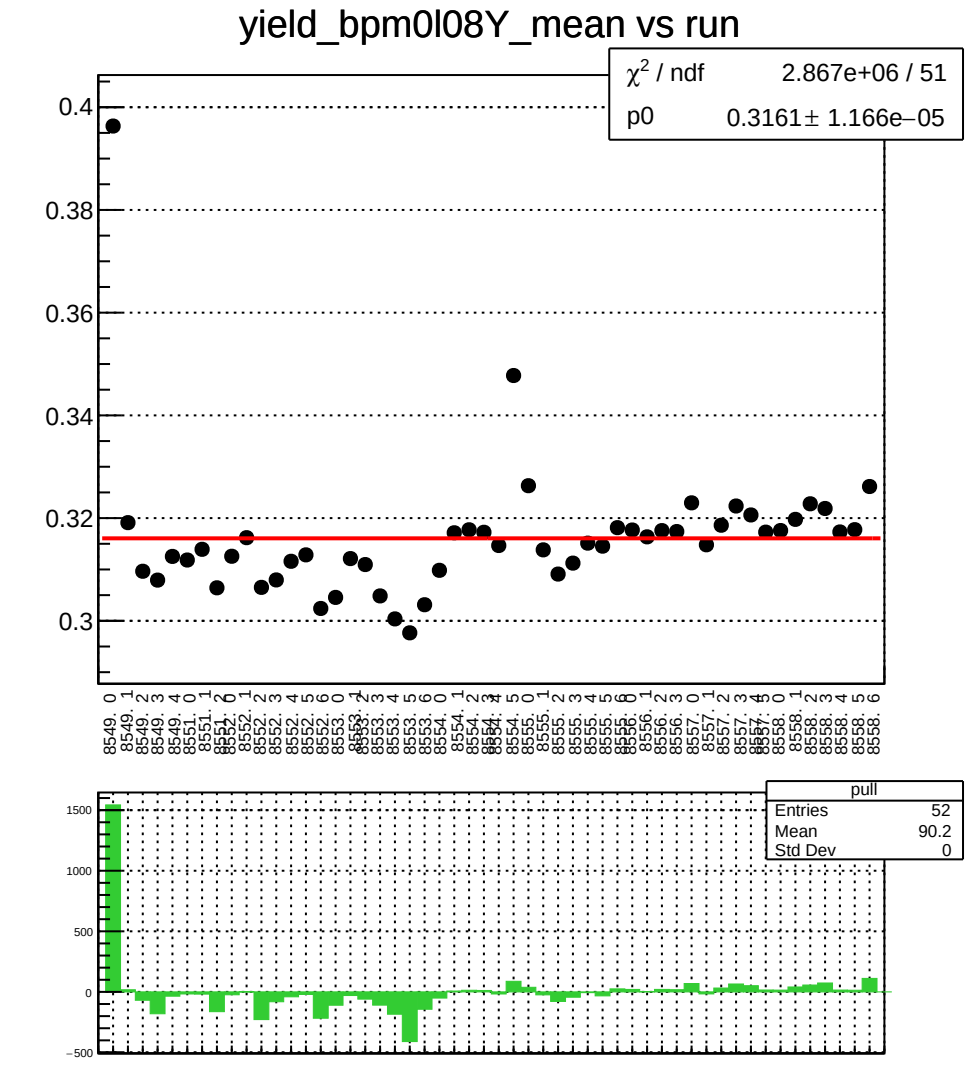

yield_bpm0l07Y_mean vs run
χ² / ndf 2.786e+06 / 51
p0 0.3818 ± 9.121e−06
pull
Entries 52
Mean 85.3
Std Dev 0
pull1D
Entries 52
Mean 1.364
Std Dev 3.771

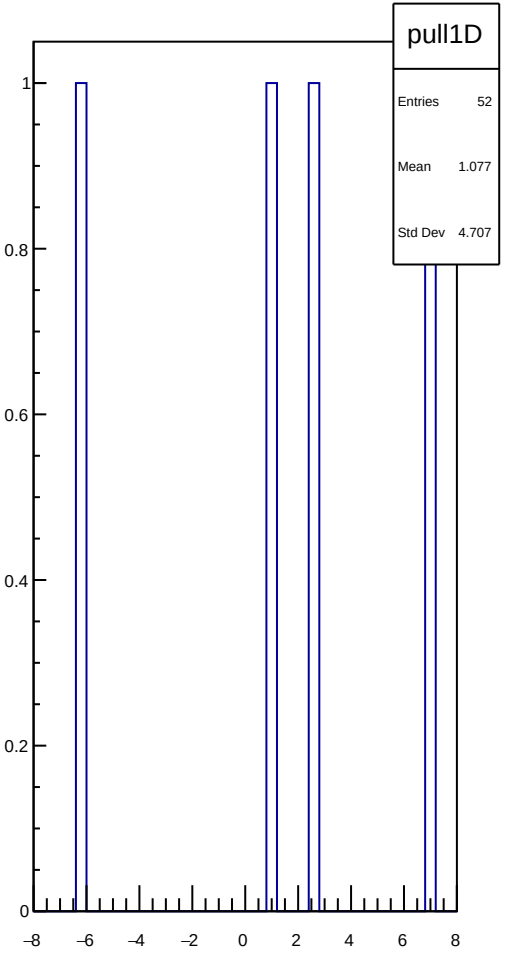

yield_bpm0l07Y_rms vs run
χ² / ndf 1.301e+05 / 51
p0 0.006107 ± 6.449e−06
0.03
0.025
0.02
0.015
0.01
0.005
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 2
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 5
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

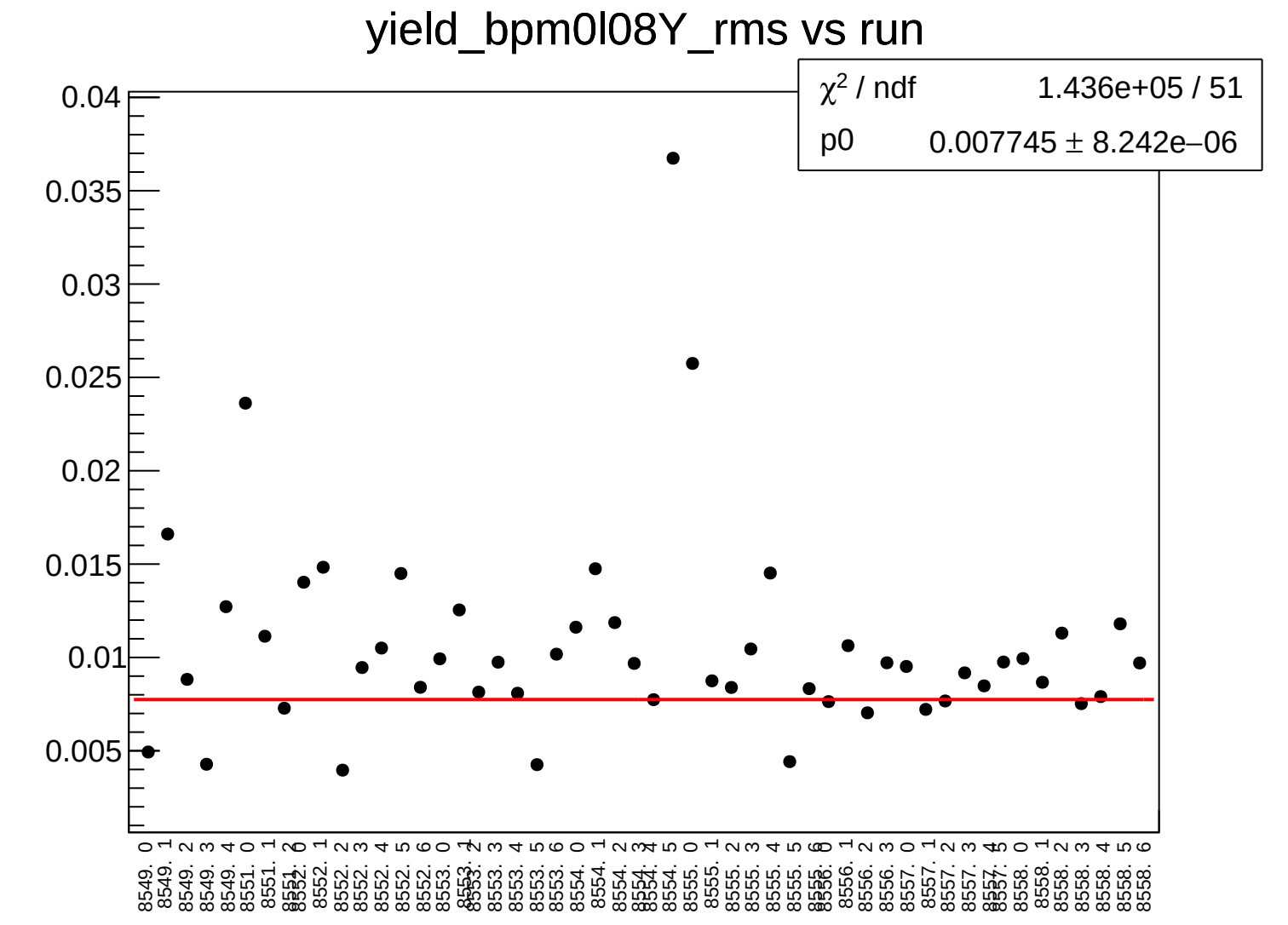

yield_bpm0l08X_mean vs run
χ² / ndf 3.46e+06 / 51
p0 −0.03494 ± 4.383e−05
pull
Entries 52
Mean 81.92
Std Dev 0

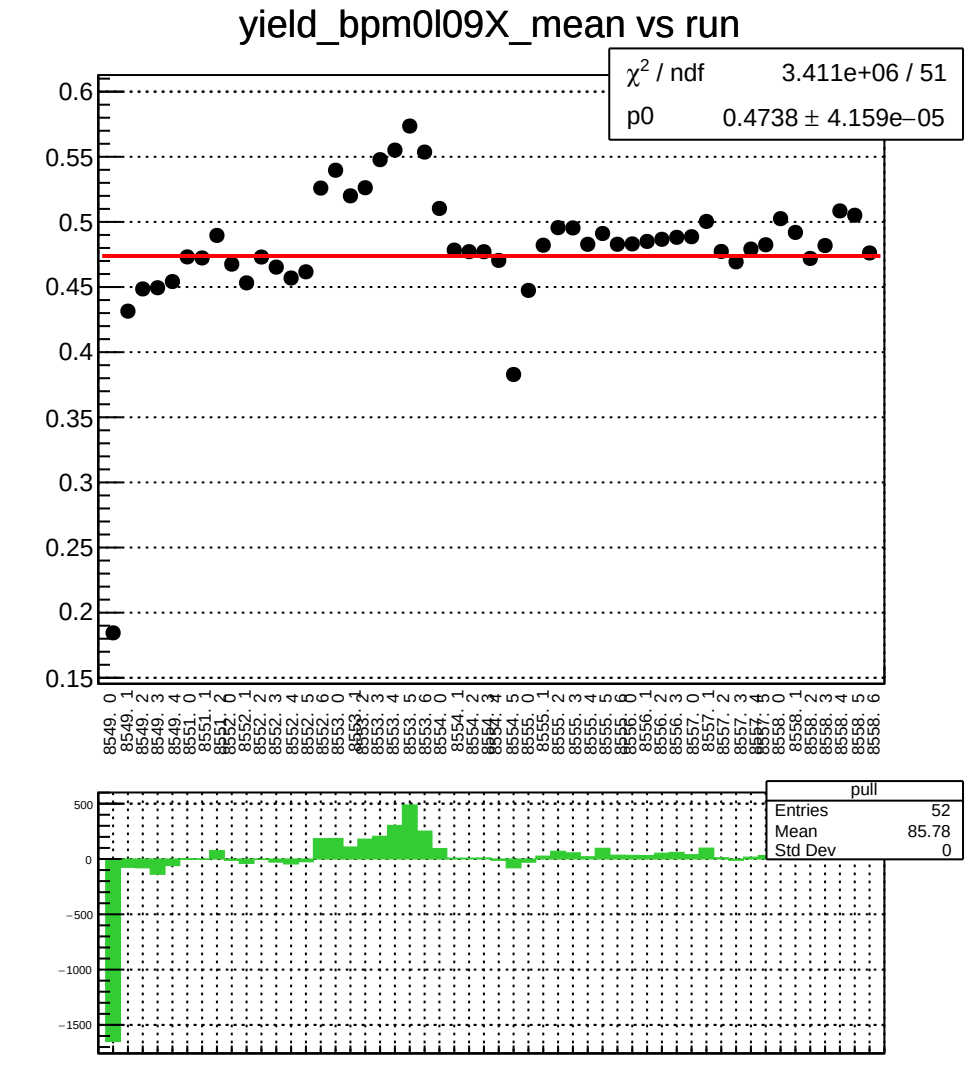

pull1D
Entries 52
Mean 1.886
Std Dev 4.563

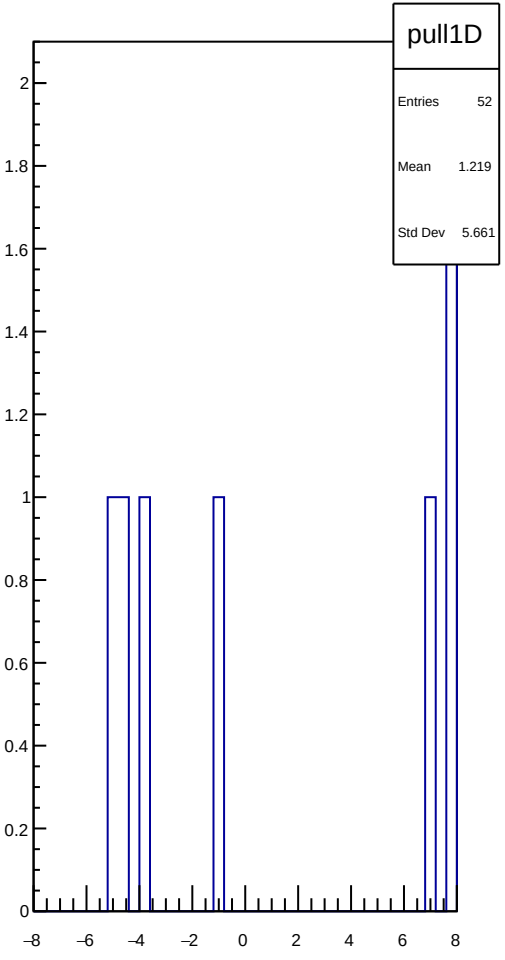

yield_bpm0l08X_rms vs run
χ² / ndf 1.108e+05 / 51
p0 0.02966 ± 3.099e–05
0.12
0.1
0.08
0.06
0.04
0.02
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 5
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

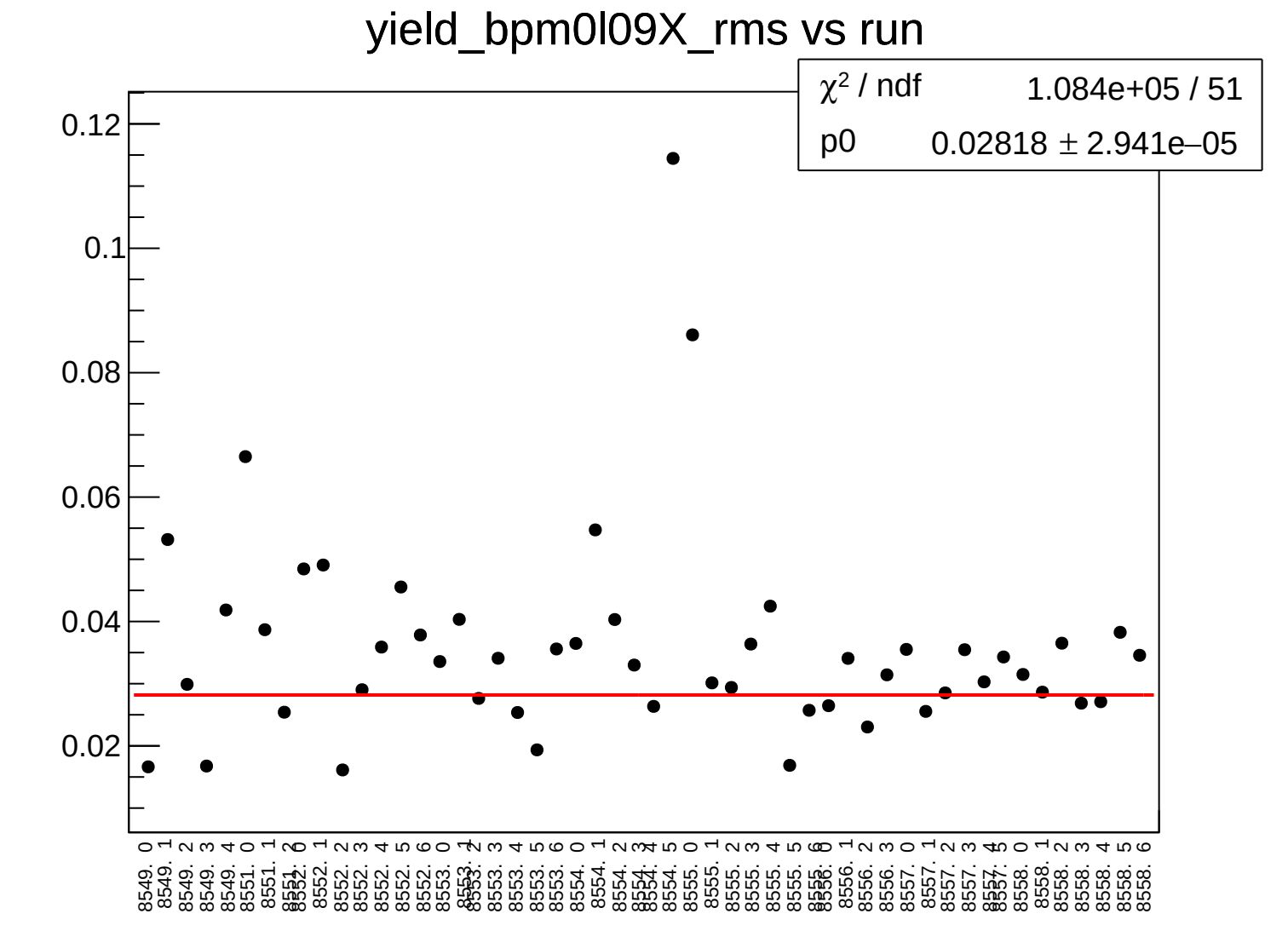

yield_bpm0l08Y_mean vs run
χ² / ndf 2.867e+06 / 51
p0 0.3161 ± 1.166e−05
pull
Entries 52
Mean 90.2
Std Dev 0

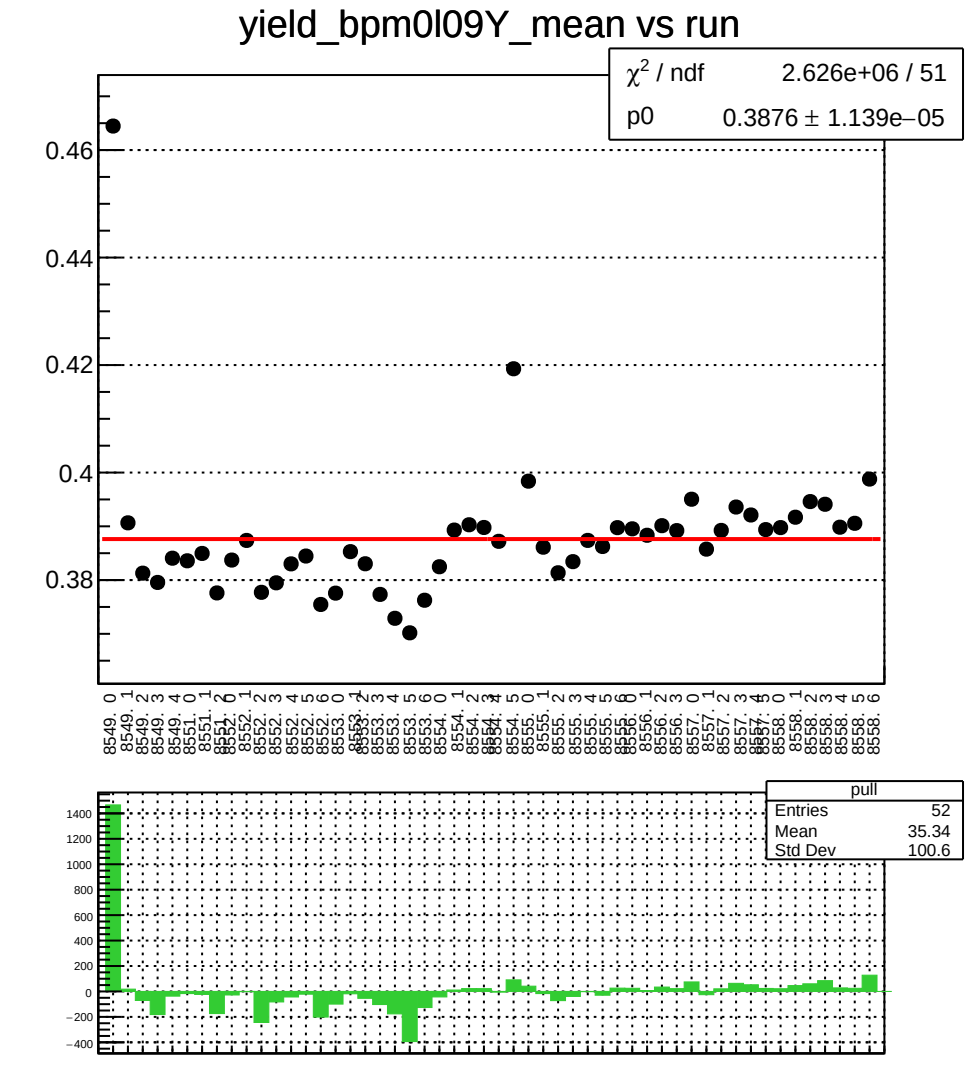

pull1D
Entries 52
Mean 1.077
Std Dev 4.707

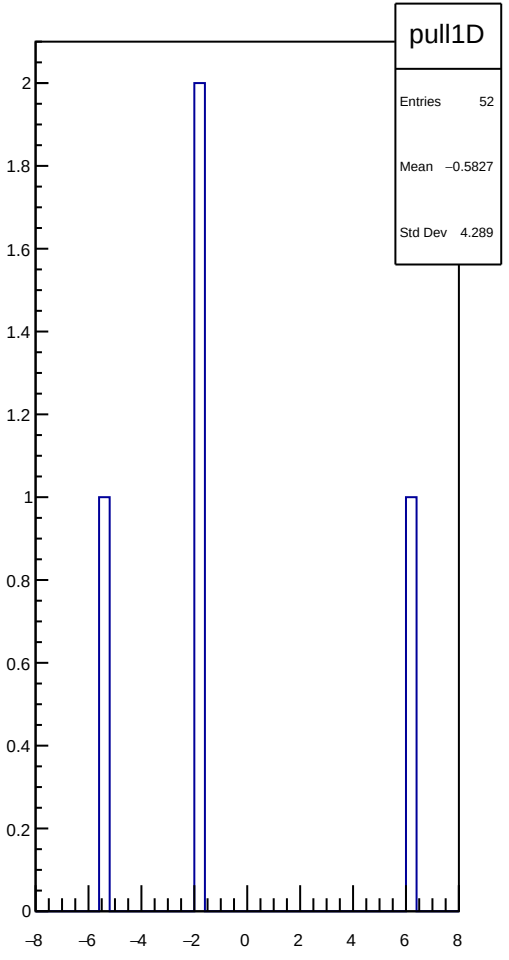

yield_bpm0l08Y_rms vs run
χ² / ndf 1.436e+05 / 51
p0 0.007745 ± 8.242e−06
0.04
0.035
0.03
0.025
0.02
0.015
0.01
0.005
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 5
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

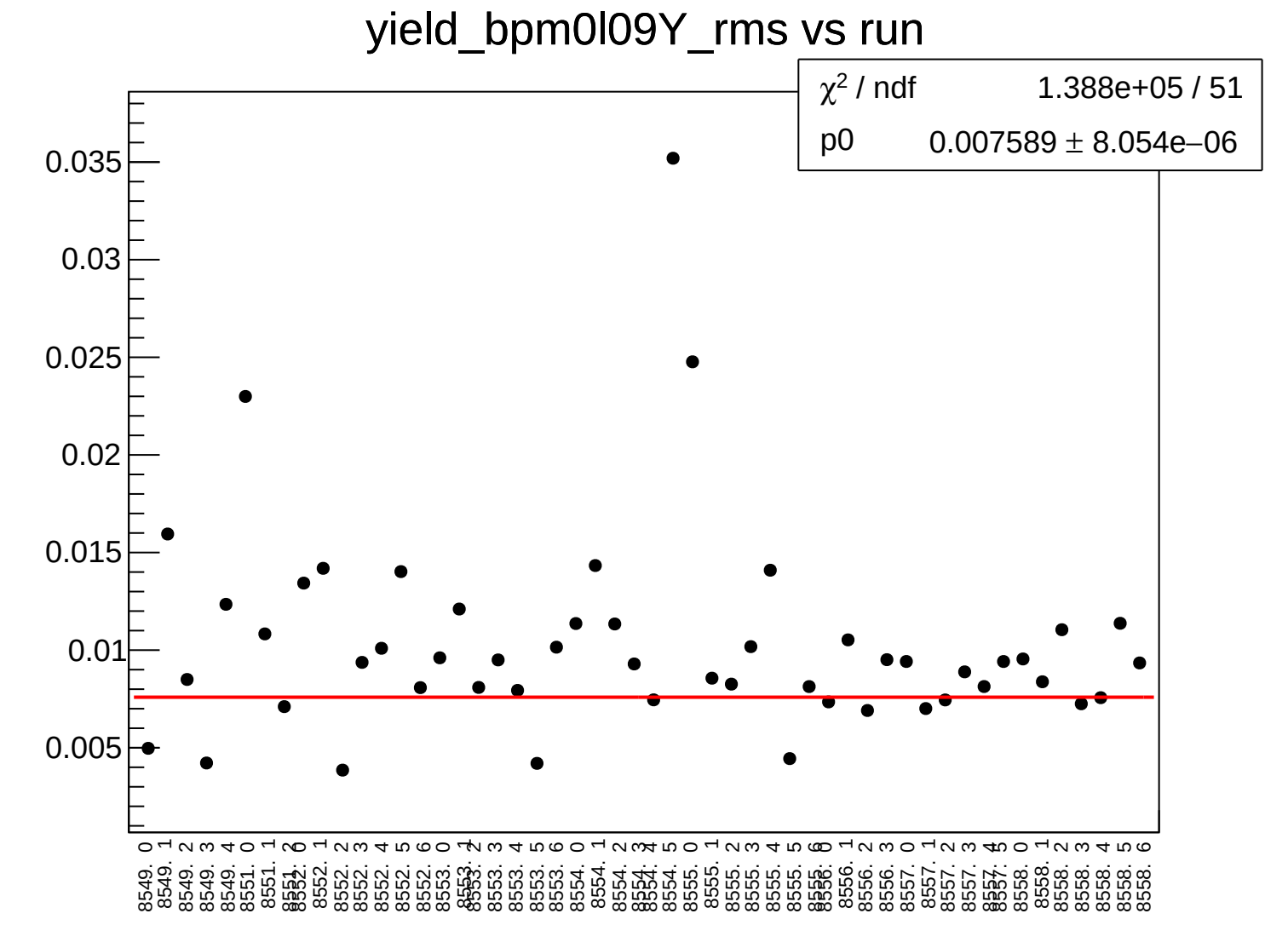

yield_bpm0l09X_mean vs run
χ² / ndf 3.411e+06 / 51
p0 0.4738 ± 4.159e−05
pull
Entries 52
Mean 85.78
Std Dev 0

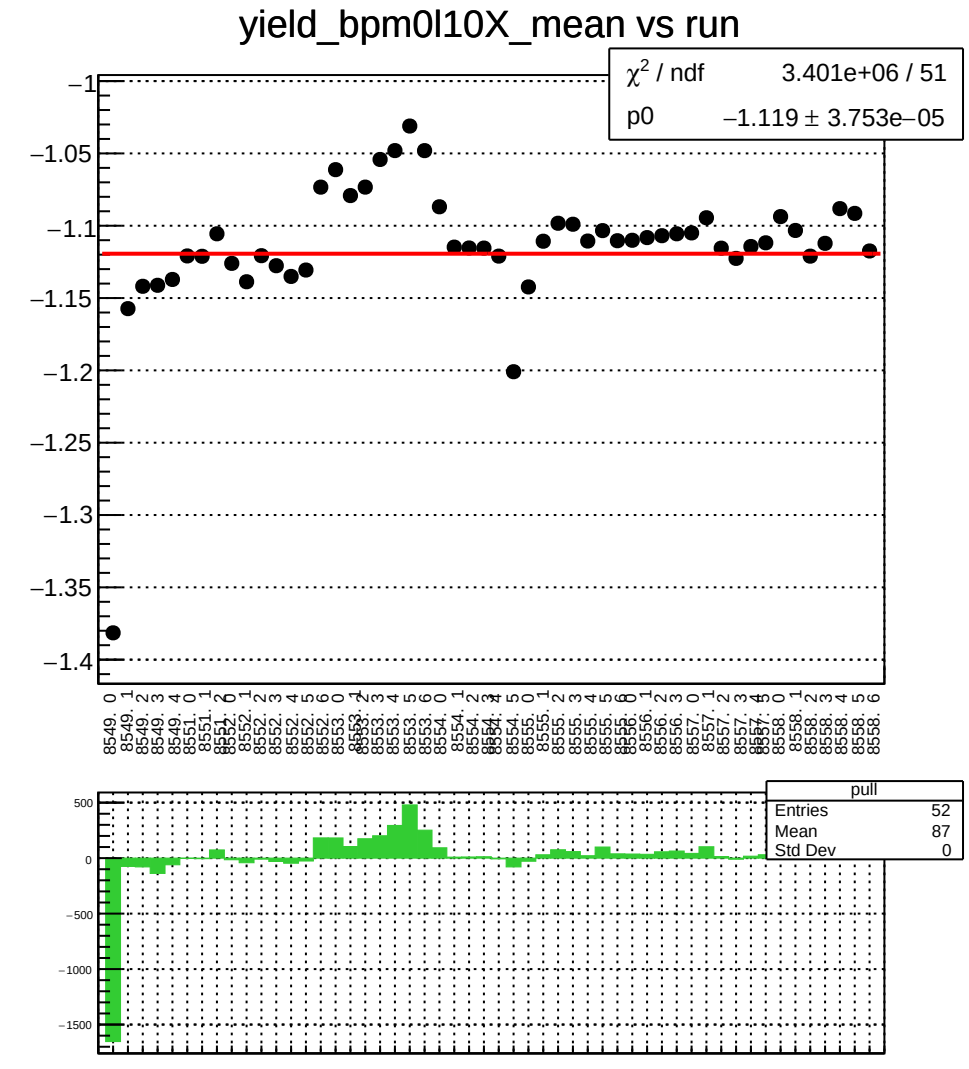

pull1D
Entries 52
Mean 1.219
Std Dev 5.661

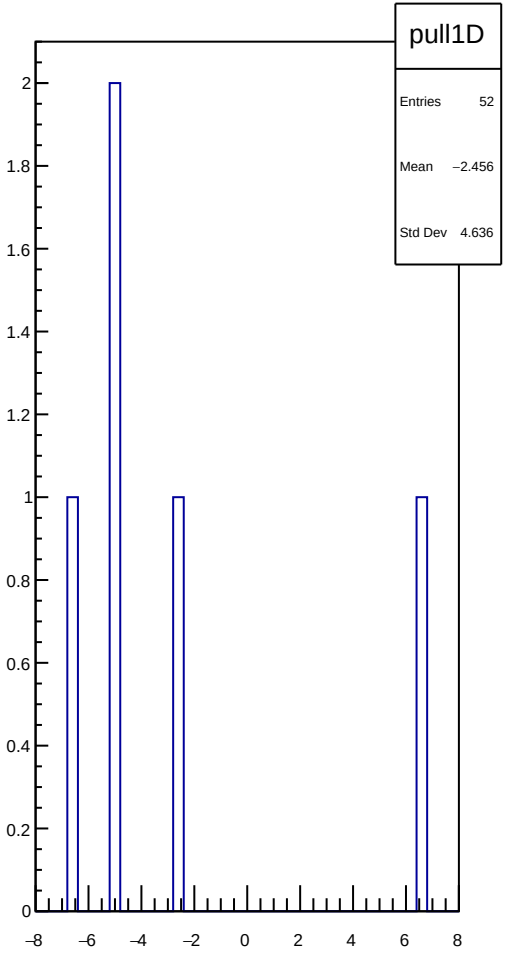

yield_bpm0l09X_rms vs run
χ² / ndf 1.084e+05 / 51
p0 0.02818 ± 2.941e–05
0.12
0.1
0.08
0.06
0.04
0.02
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 5
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

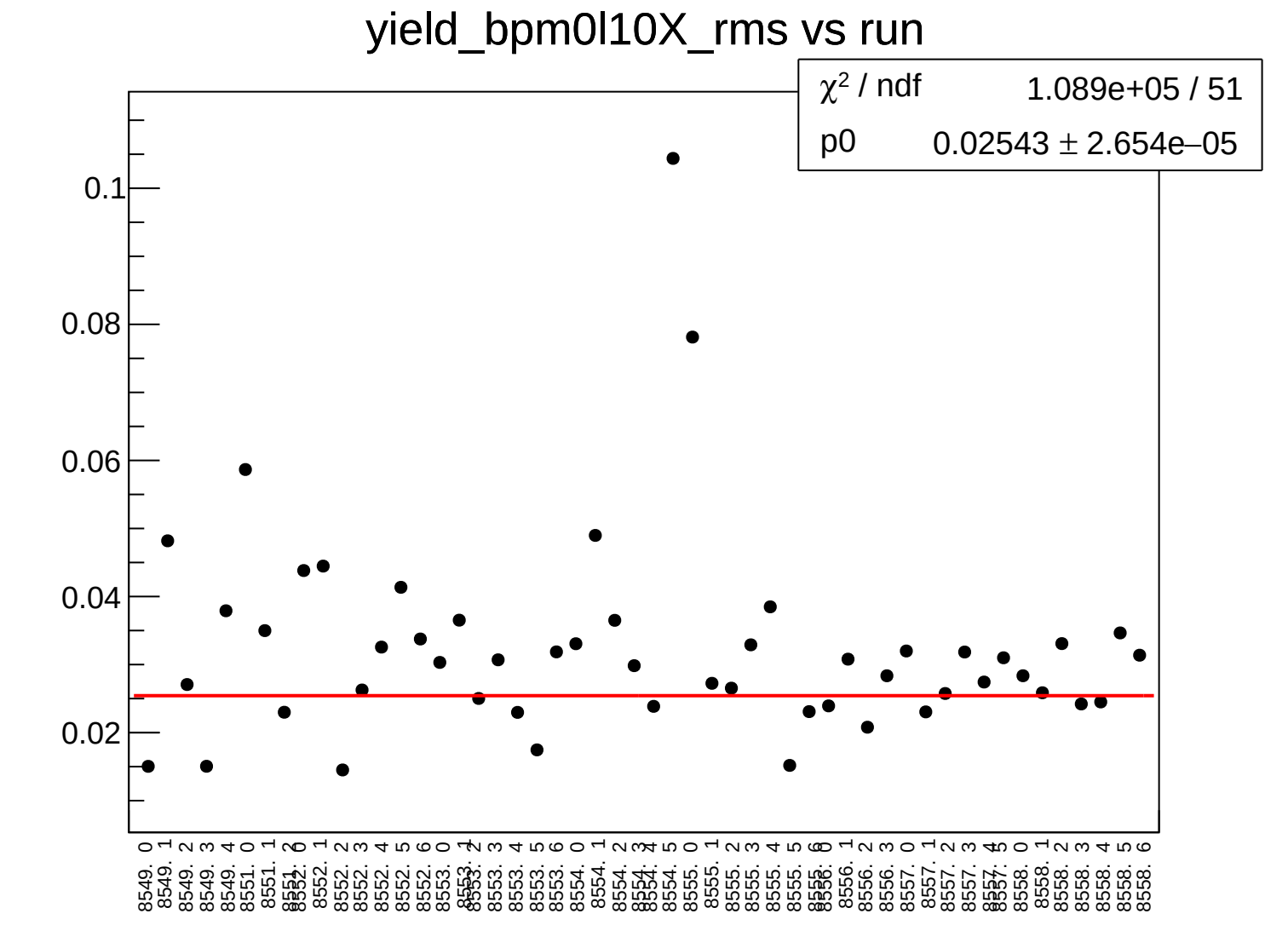

yield_bpm0l09Y_mean vs run
χ² / ndf 2.626e+06 / 51
p0 0.3876 ± 1.139e−05
0.46
0.44
0.42
0.4
0.38
pull
Entries 52
Mean 35.34
Std Dev 100.6
1400
1200
1000
800
600
400
200
0
−200
−400

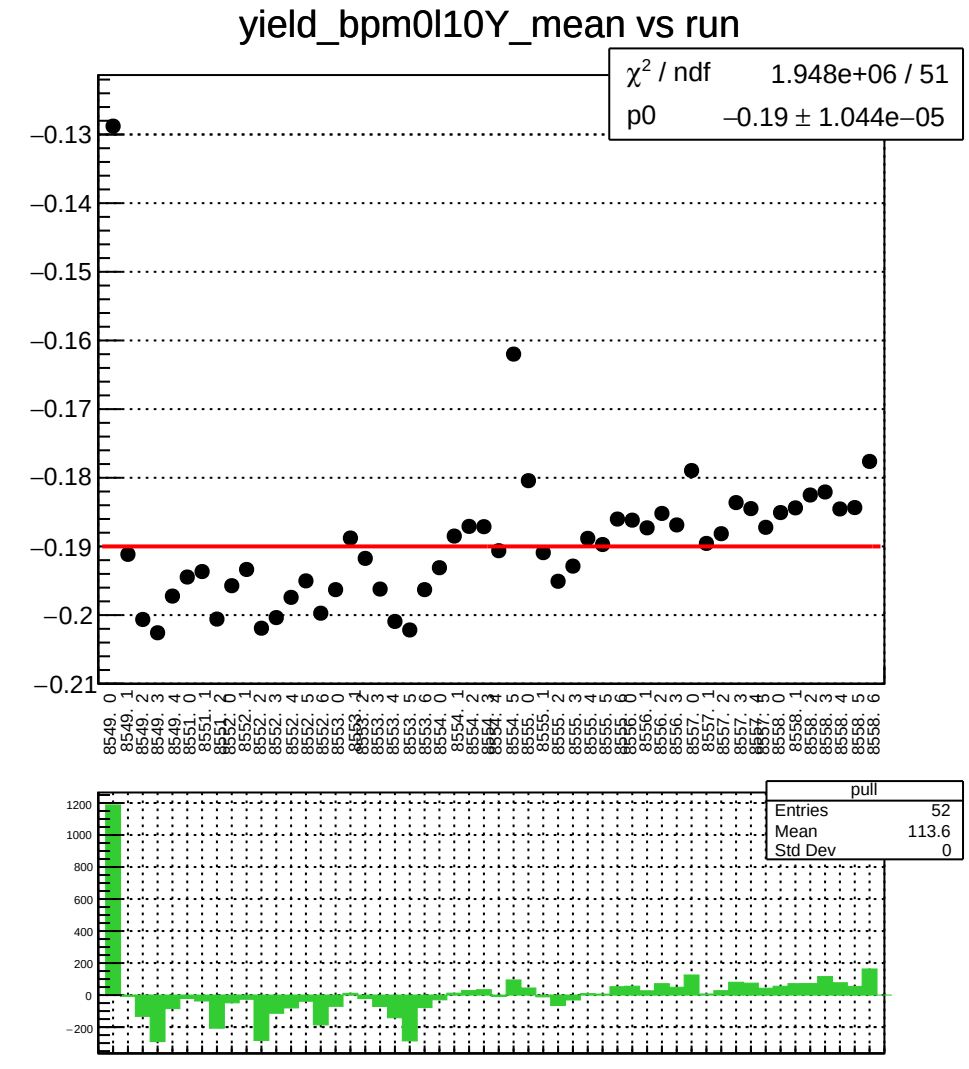

pull1D
Entries 52
Mean −0.5827
Std Dev 4.289
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

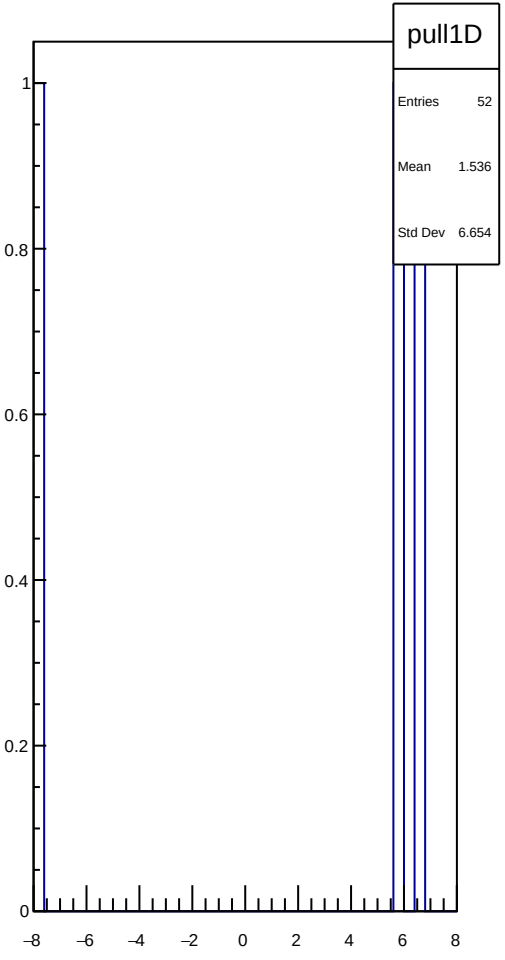

yield_bpm0l09Y_rms vs run
χ² / ndf 1.388e+05 / 51
p0 0.007589 ± 8.054e−06
0.035
0.03
0.025
0.02
0.015
0.01
0.005
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 5
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

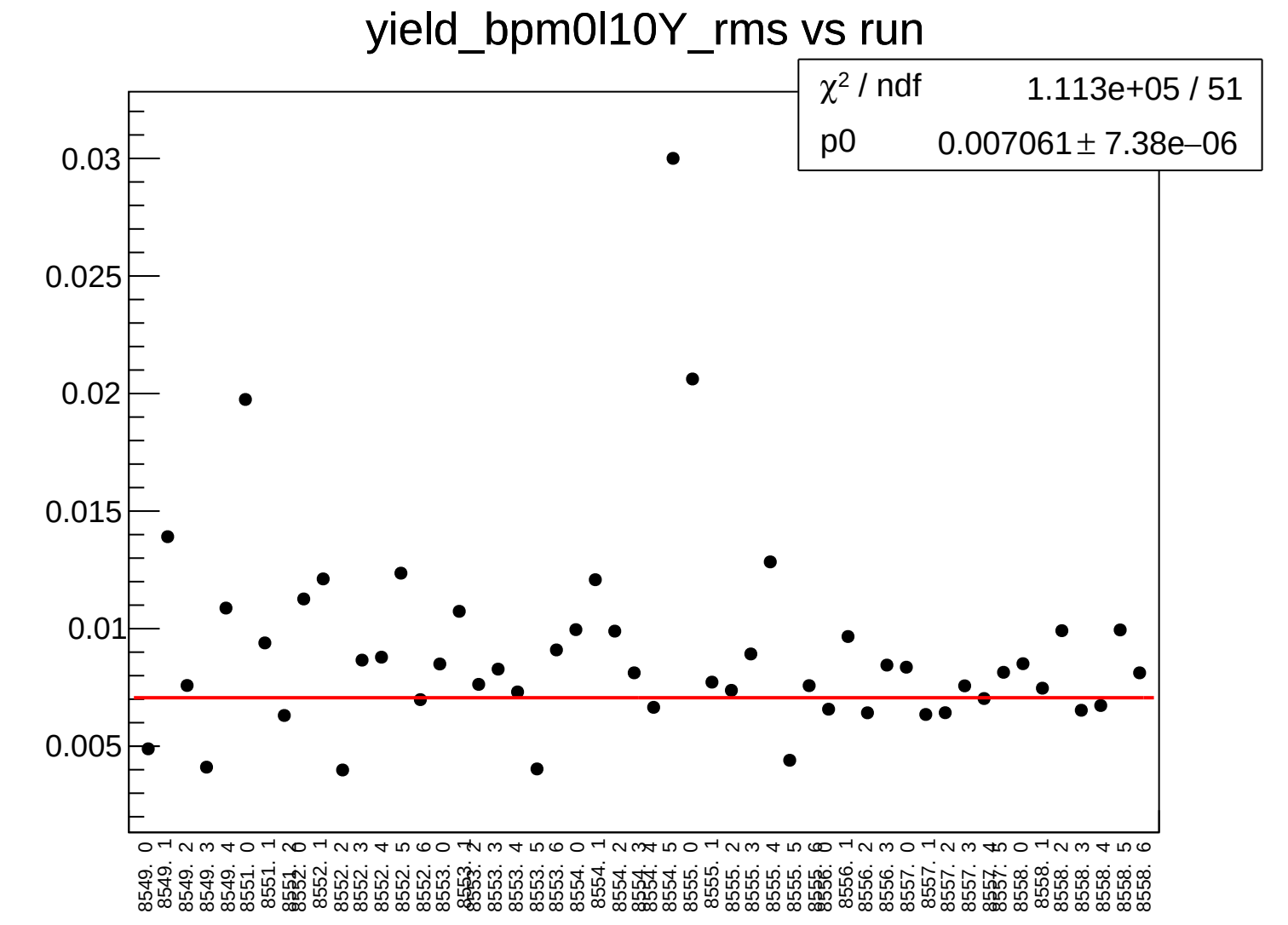

yield_bpm0l10X_mean vs run
χ² / ndf 3.401e+06 / 51
p0 −1.119 ± 3.753e−05
pull
Entries 52
Mean 87
Std Dev 0

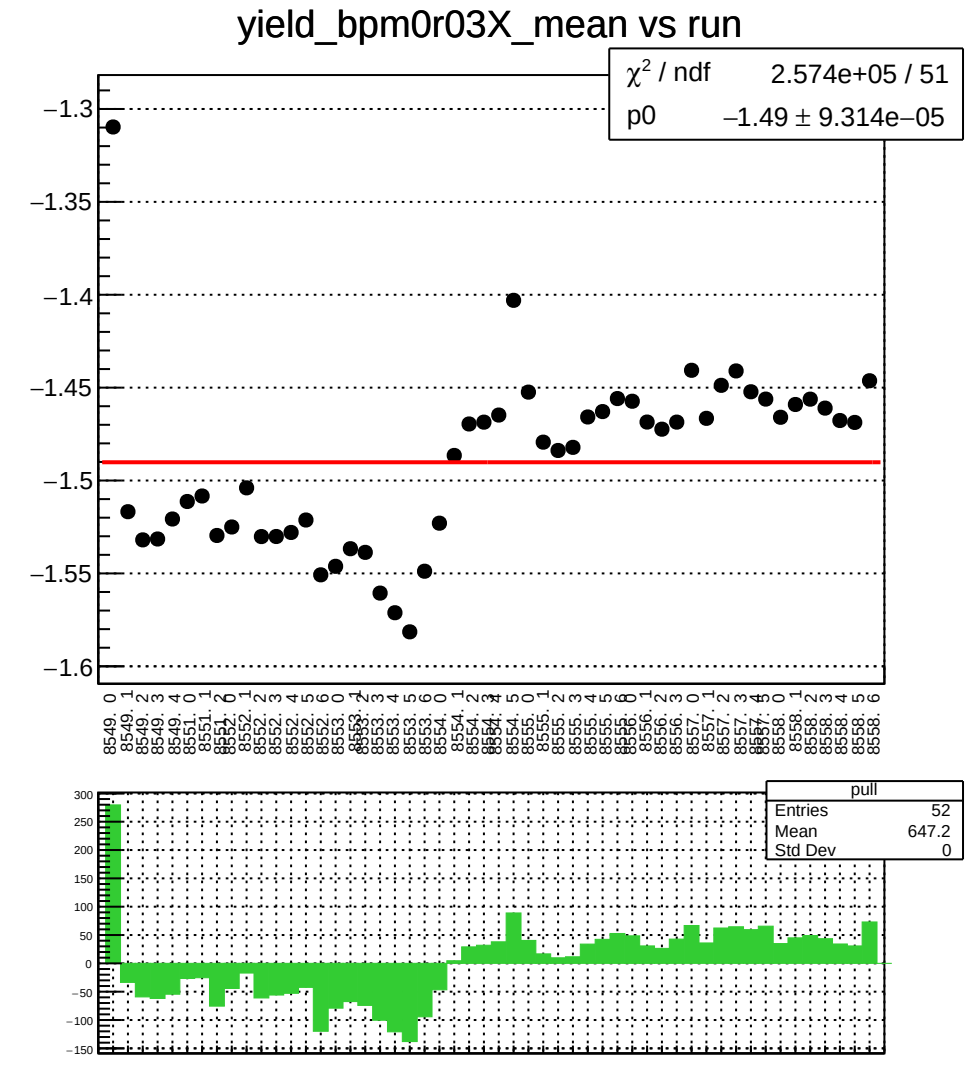

pull1D
Entries 52
Mean −2.456
Std Dev 4.636

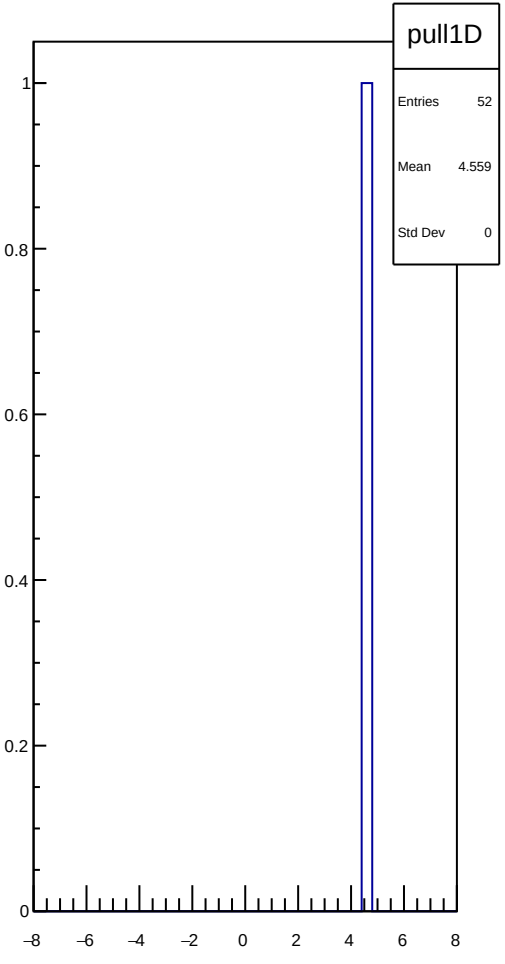

yield_bpm0l10X_rms vs run
χ² / ndf 1.089e+05 / 51
p0 0.02543 ± 2.654e−05
0.1
0.08
0.06
0.04
0.02
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 5
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

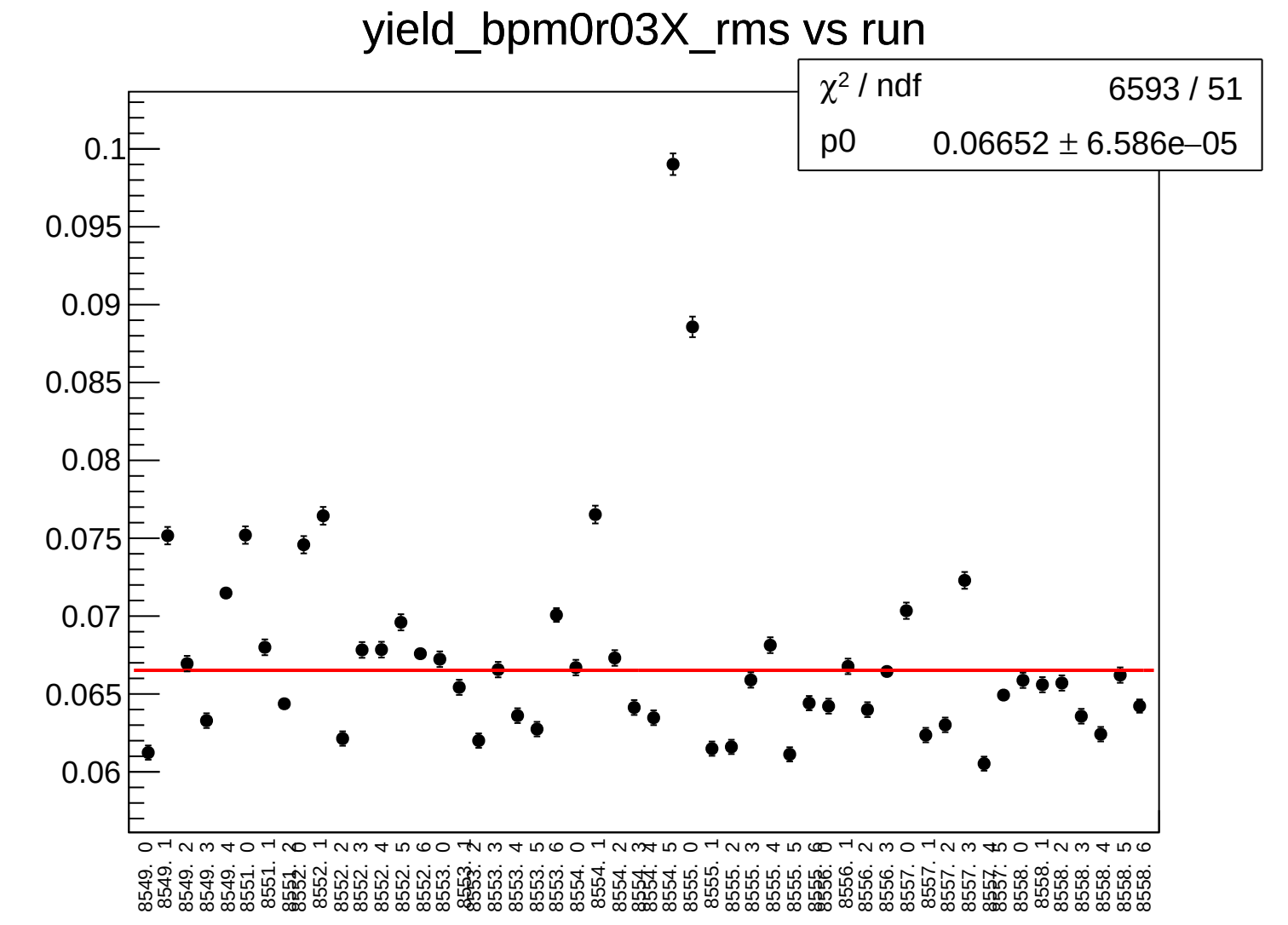

yield_bpm0l10Y_mean vs run
χ² / ndf 1.948e+06 / 51
p0 −0.19 ± 1.044e−05
pull
Entries 52
Mean 113.6
Std Dev 0

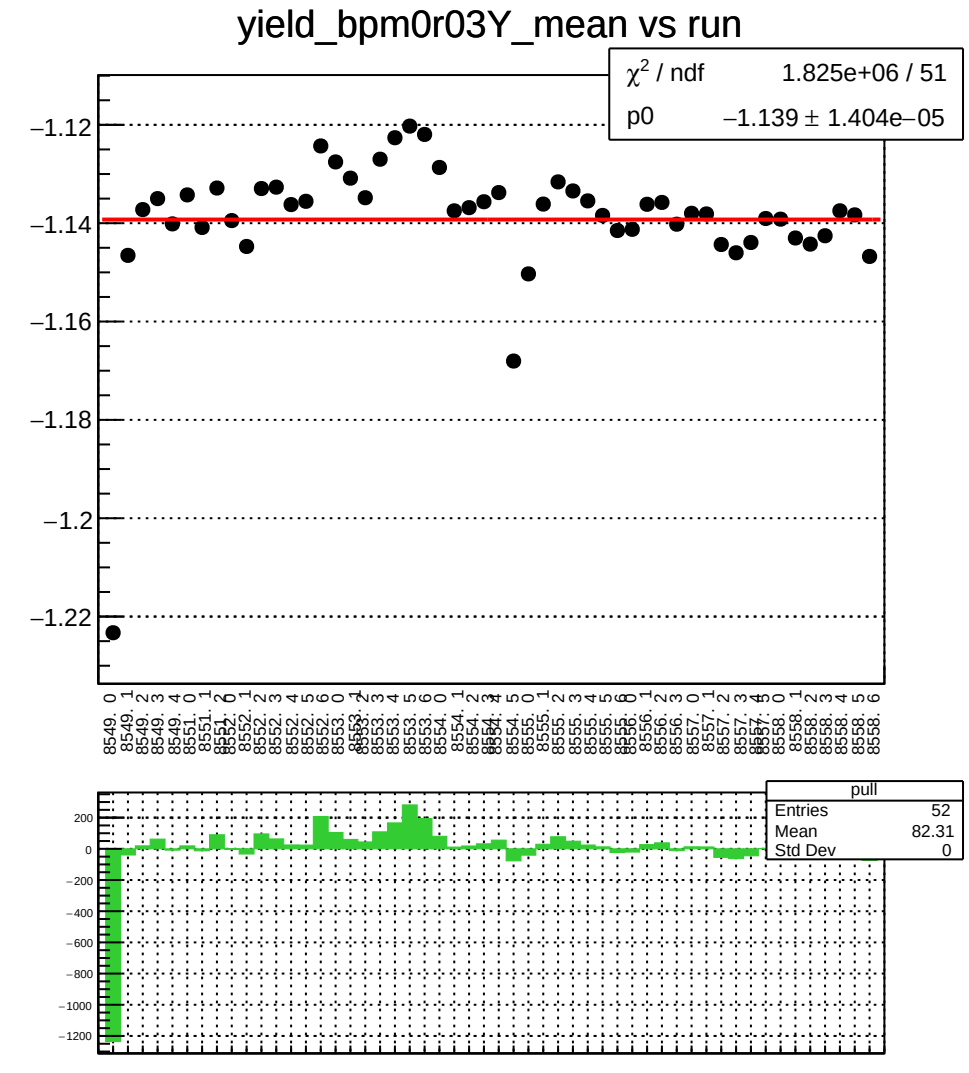

pull1D
Entries 52
Mean 1.536
Std Dev 6.654

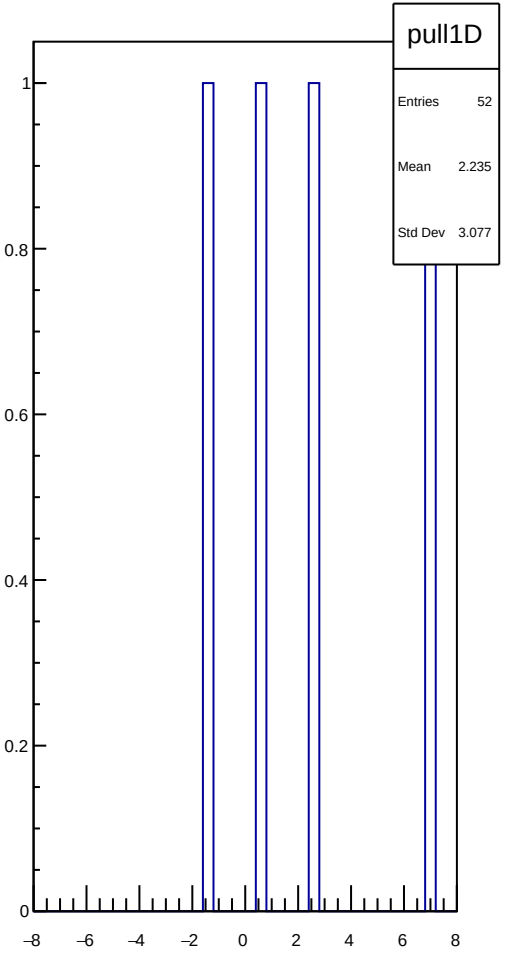

yield_bpm0l10Y_rms vs run
χ² / ndf 1.113e+05 / 51
p0 0.007061 ± 7.38e–06
0.03
0.025
0.02
0.015
0.01
0.005
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 2
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 5
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

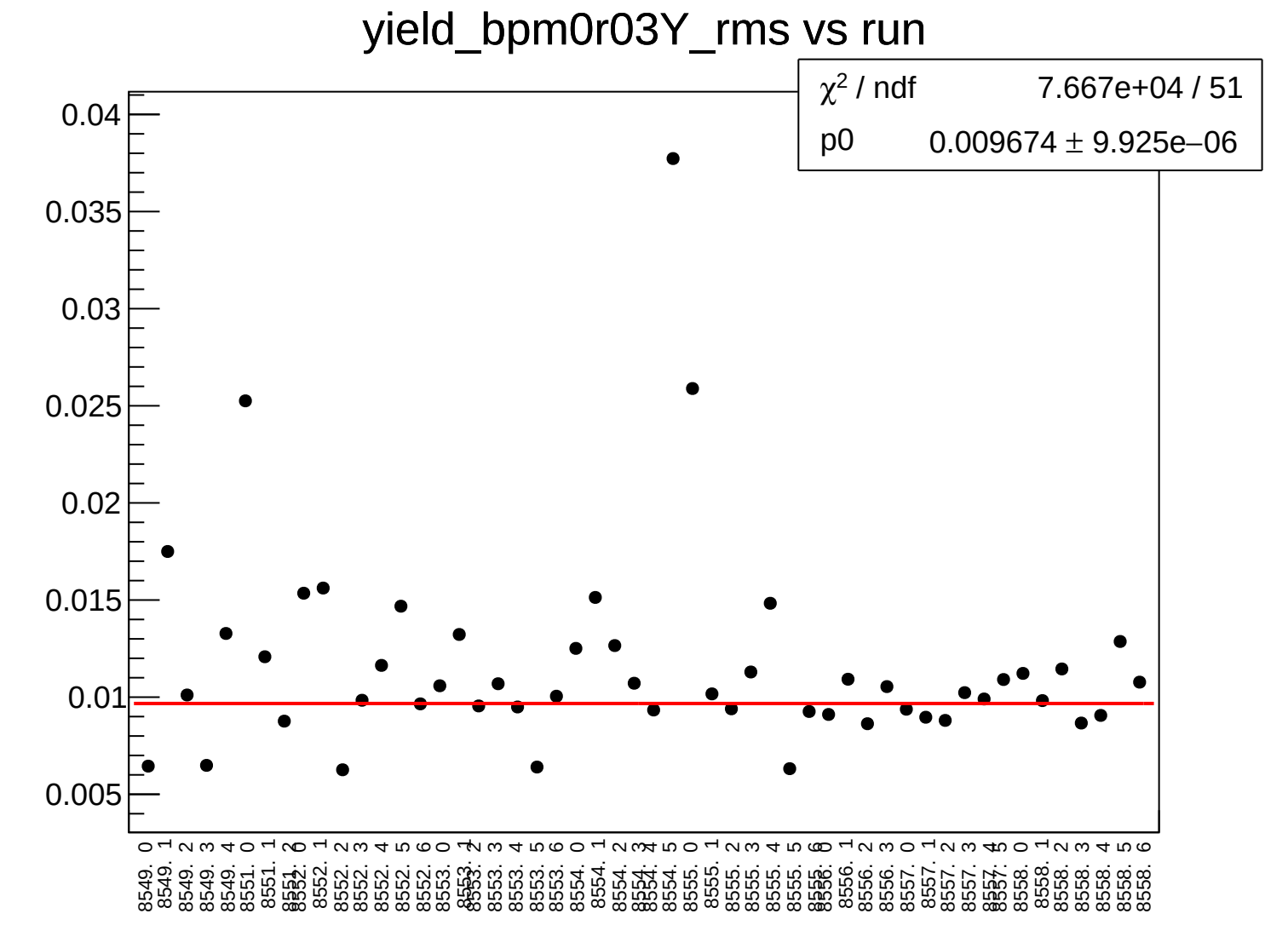

yield_bpm0r03X_mean vs run
χ² / ndf 2.574e+05 / 51
p0 −1.49 ± 9.314e−05
pull
Entries 52
Mean 647.2
Std Dev 0

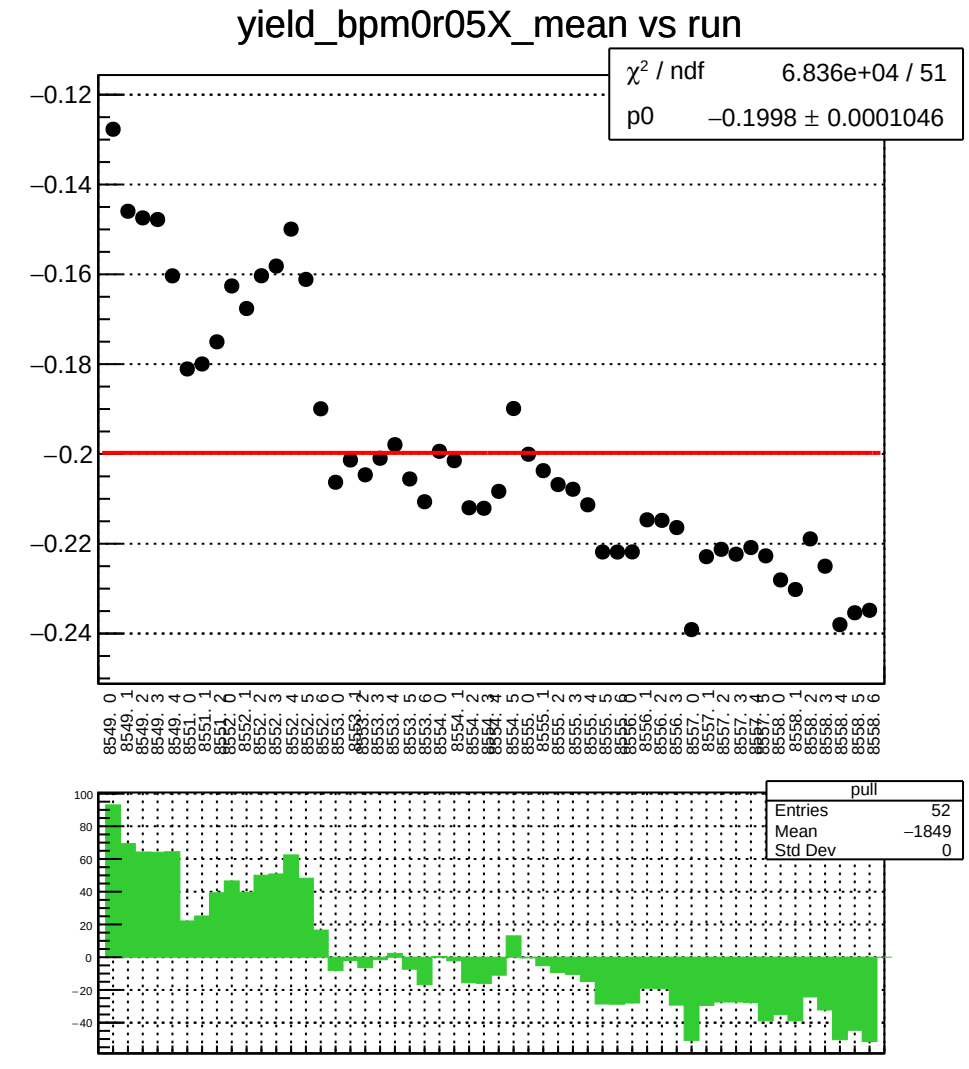

pull1D
Entries 52
Mean 4.559
Std Dev 0

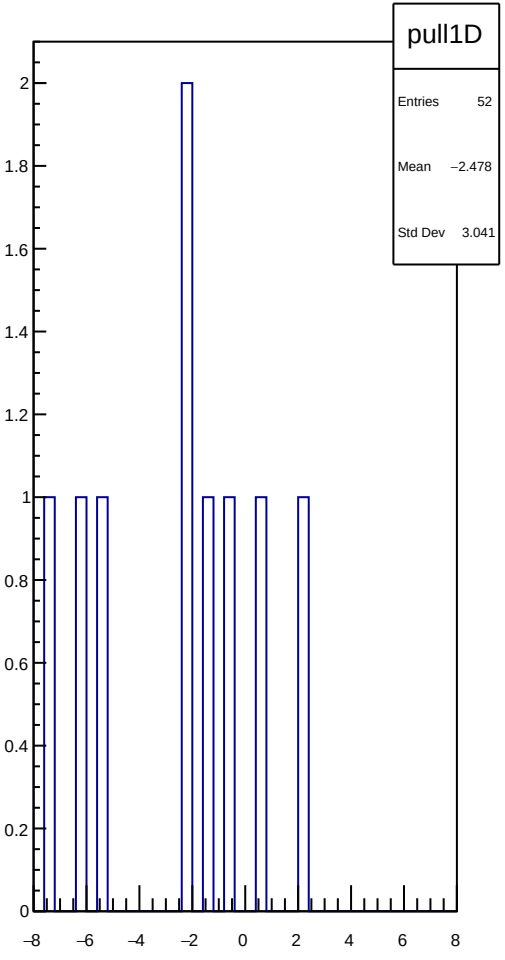

yield_bpm0r03X_rms vs run
χ² / ndf 6593 / 51
p0 0.06652 ± 6.586e–05
0.1
0.095
0.09
0.085
0.08
0.075
0.07
0.065
0.06
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

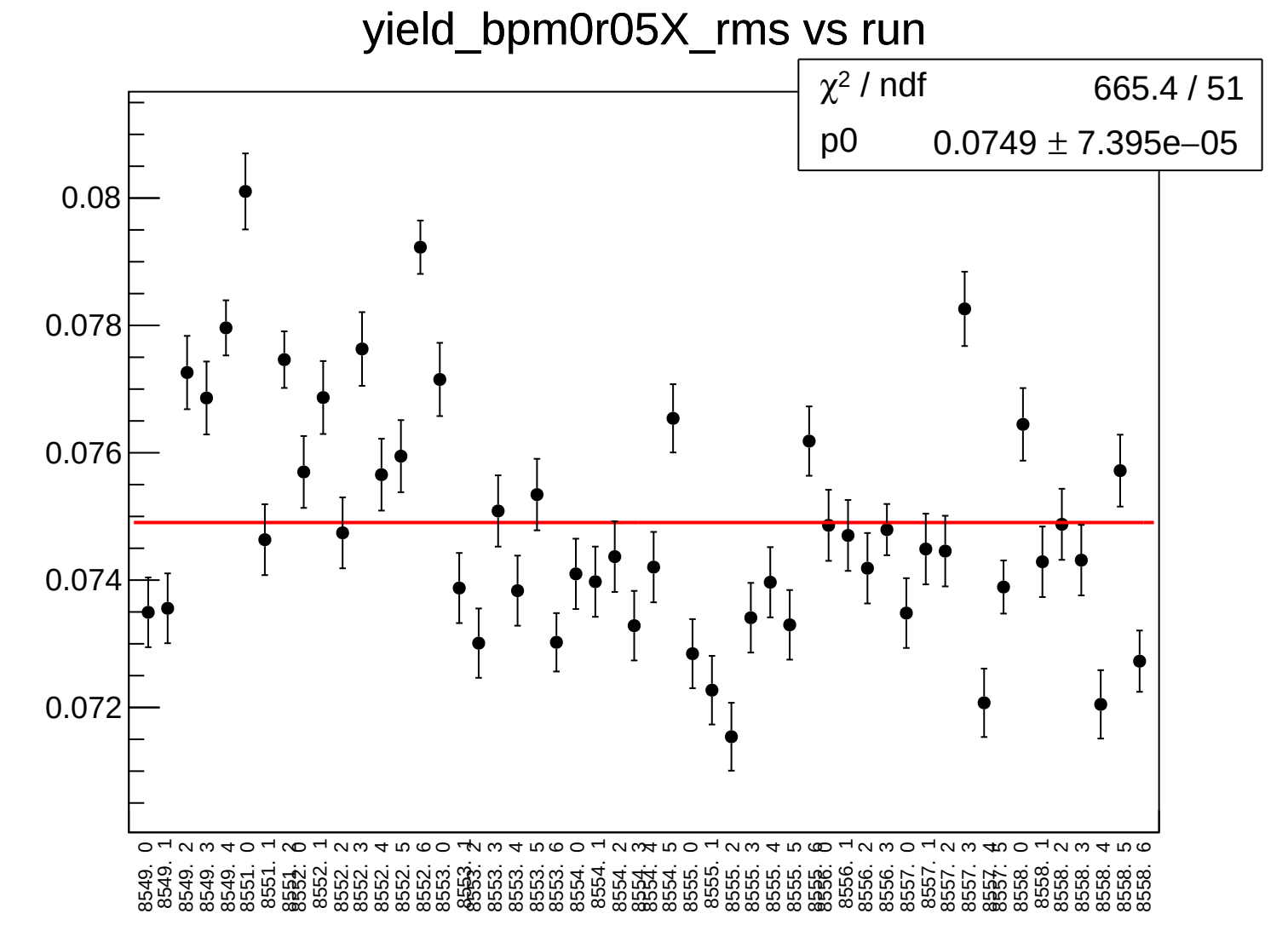

yield_bpm0r03Y_mean vs run
χ² / ndf 1.825e+06 / 51
p0 −1.139 ± 1.404e−05
−1.12
−1.14
−1.16
−1.18
−1.2
−1.22
pull
Entries 52
Mean 82.31
Std Dev 0
200
0
−200
−400
−600
−800
−1000
−1200

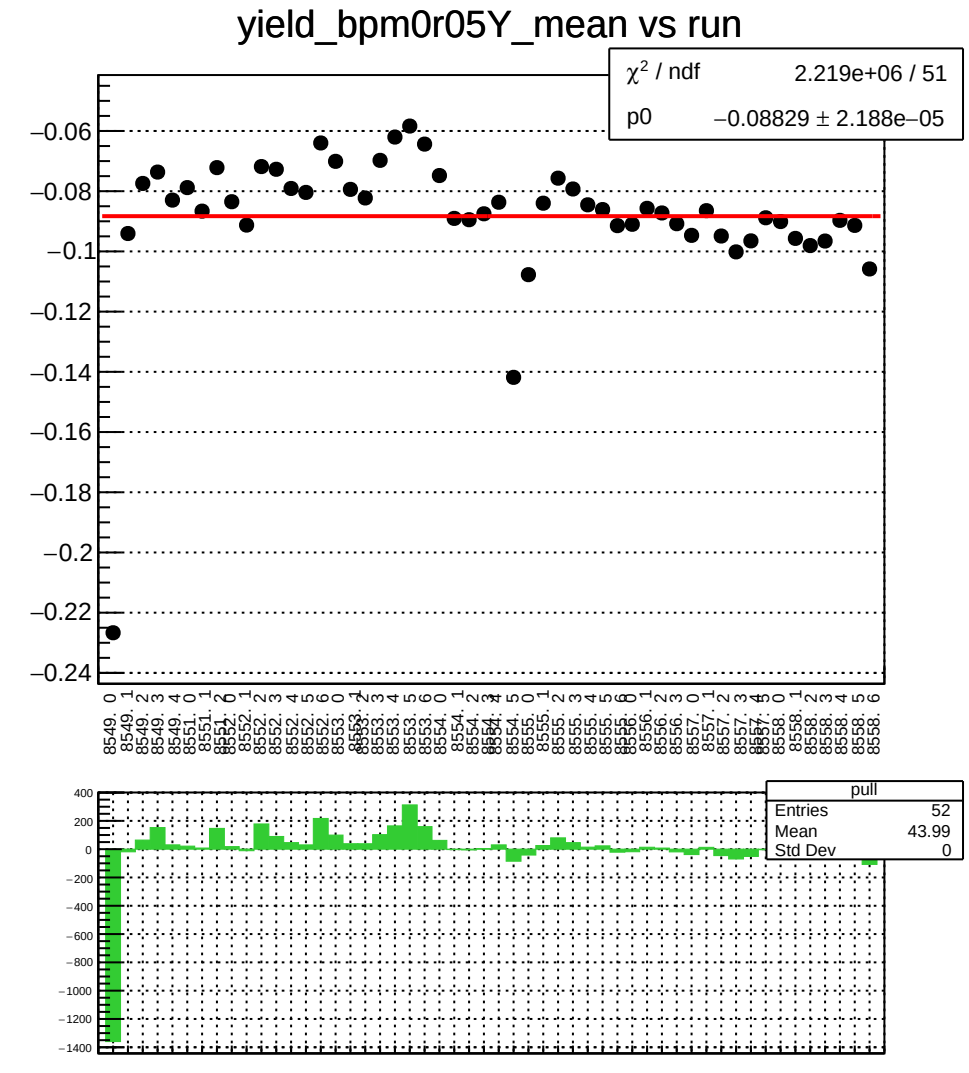

pull1D
Entries 52
Mean 2.235
Std Dev 3.077
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

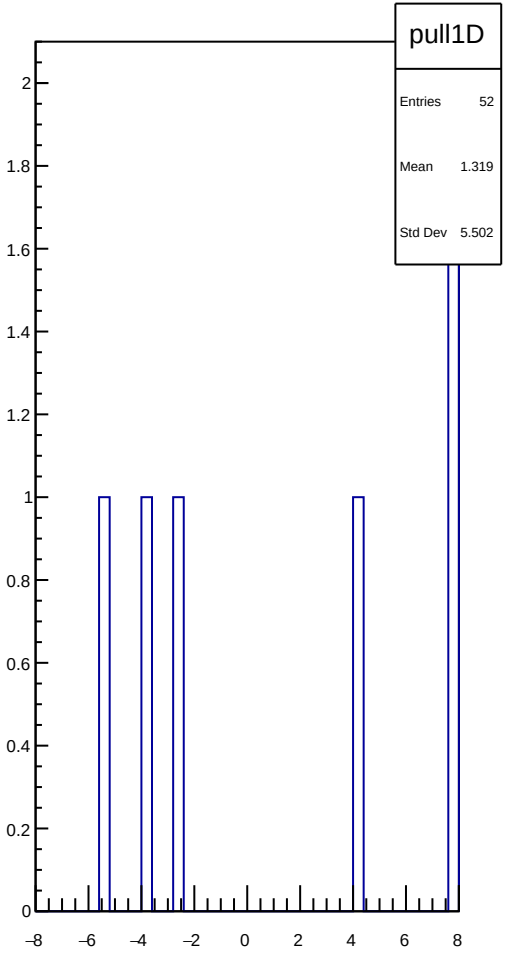

yield_bpm0r03Y_rms vs run
χ² / ndf 7.667e+04 / 51
p0 0.009674 ± 9.925e−06
0.04
0.035
0.03
0.025
0.02
0.015
0.01
0.005
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 5
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

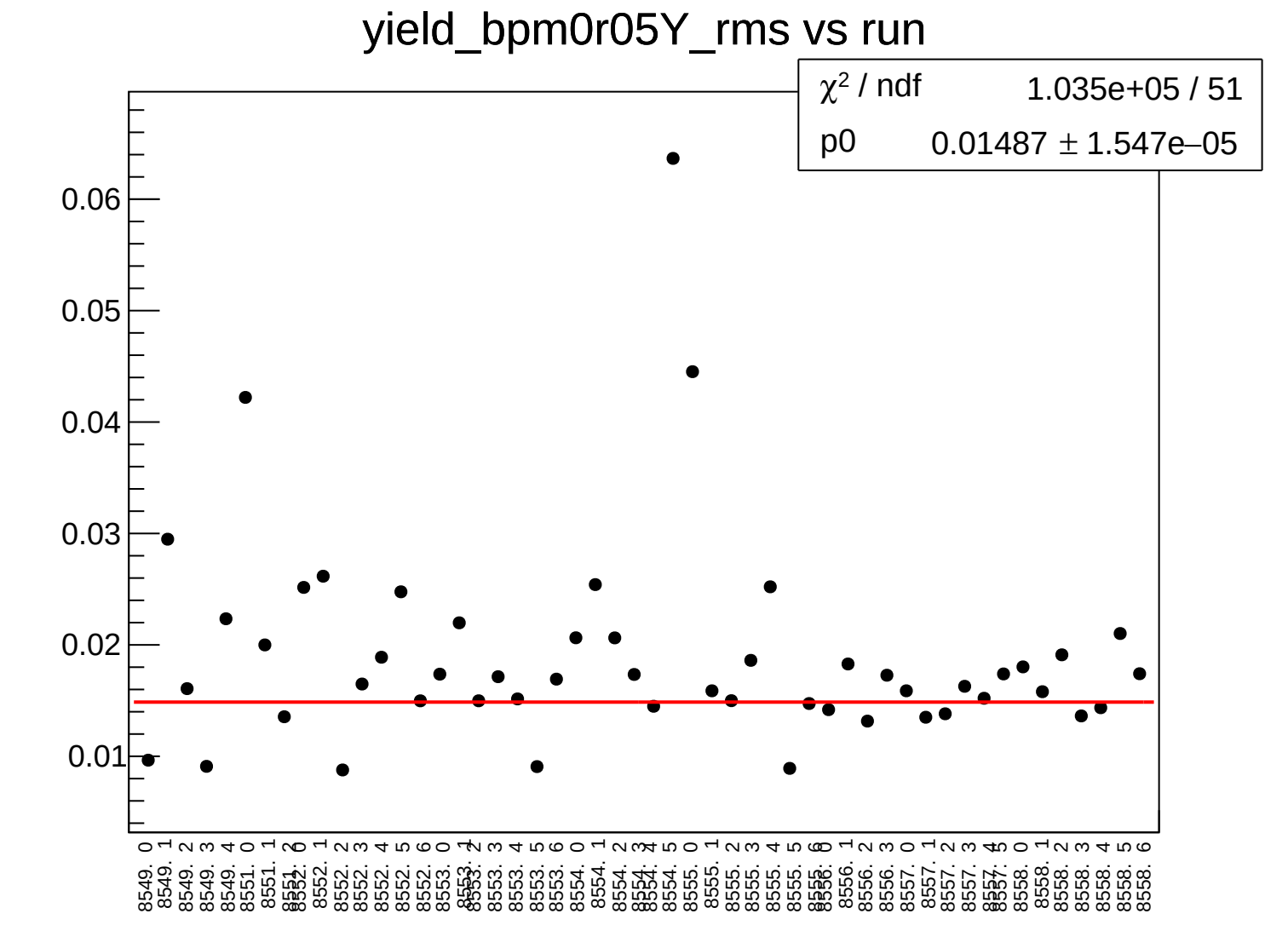

yield_bpm0r05X_mean vs run
χ² / ndf 6.836e+04 / 51
p0 −0.1998 ± 0.0001046
−0.12
−0.14
−0.16
−0.18
−0.2
−0.22
−0.24
pull
Entries 52
Mean −1849
Std Dev 0
100
80
60
40
20
0
−20
−40

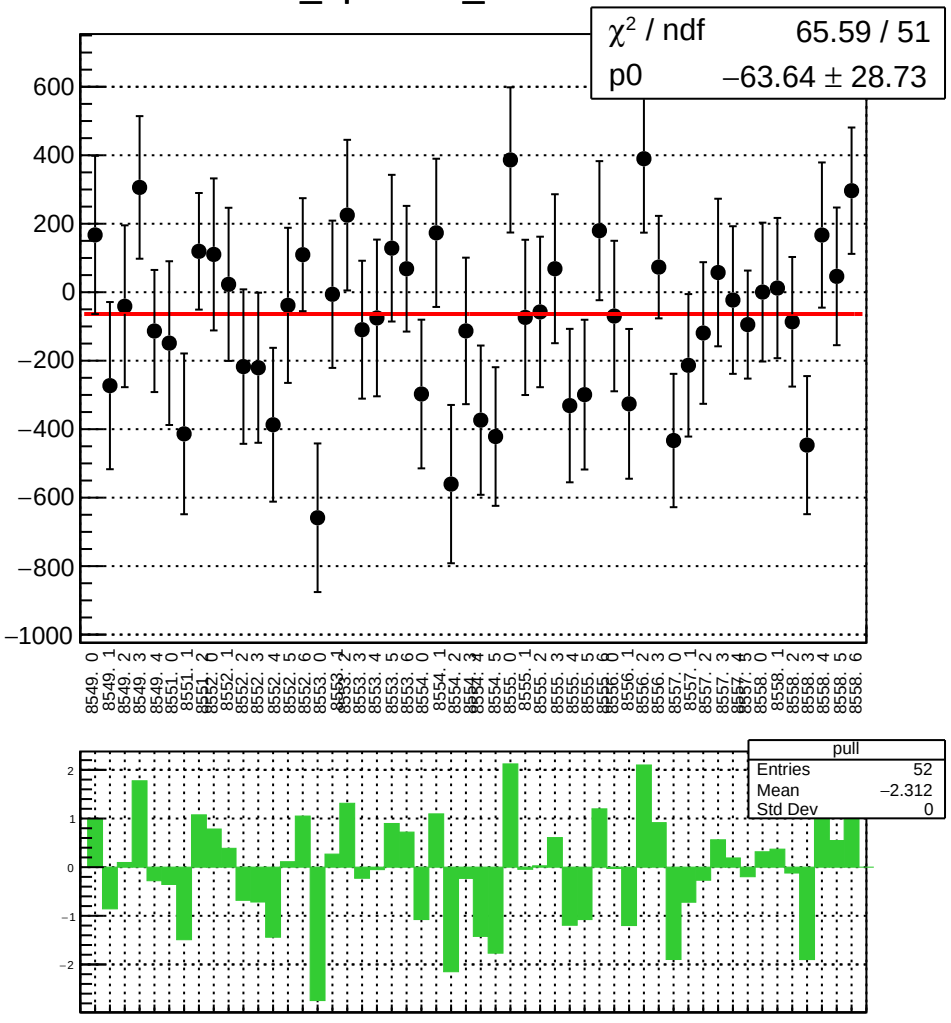

pull1D
Entries 52
Mean −2.478
Std Dev 3.041
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

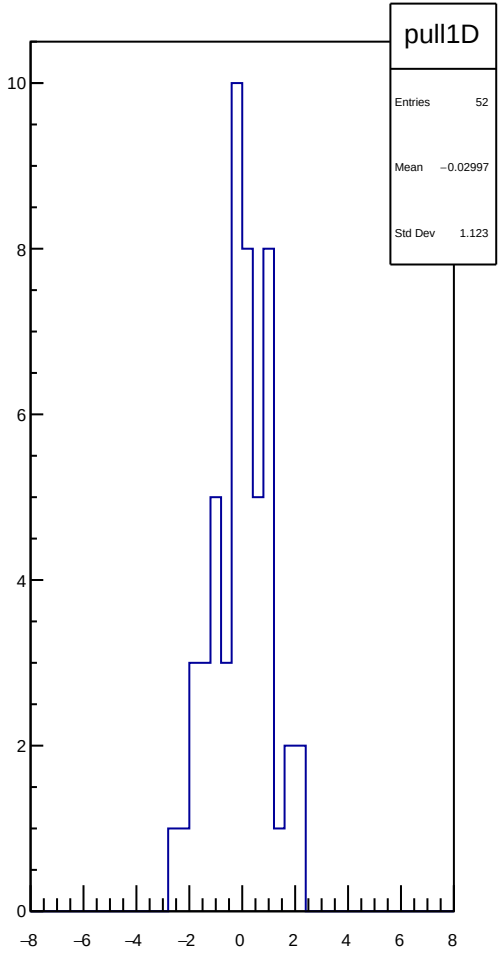

yield_bpm0r05X_rms vs run
χ² / ndf 665.4 / 51
p0 0.0749 ± 7.395e−05
0.08
0.078
0.076
0.074
0.072
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 5
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

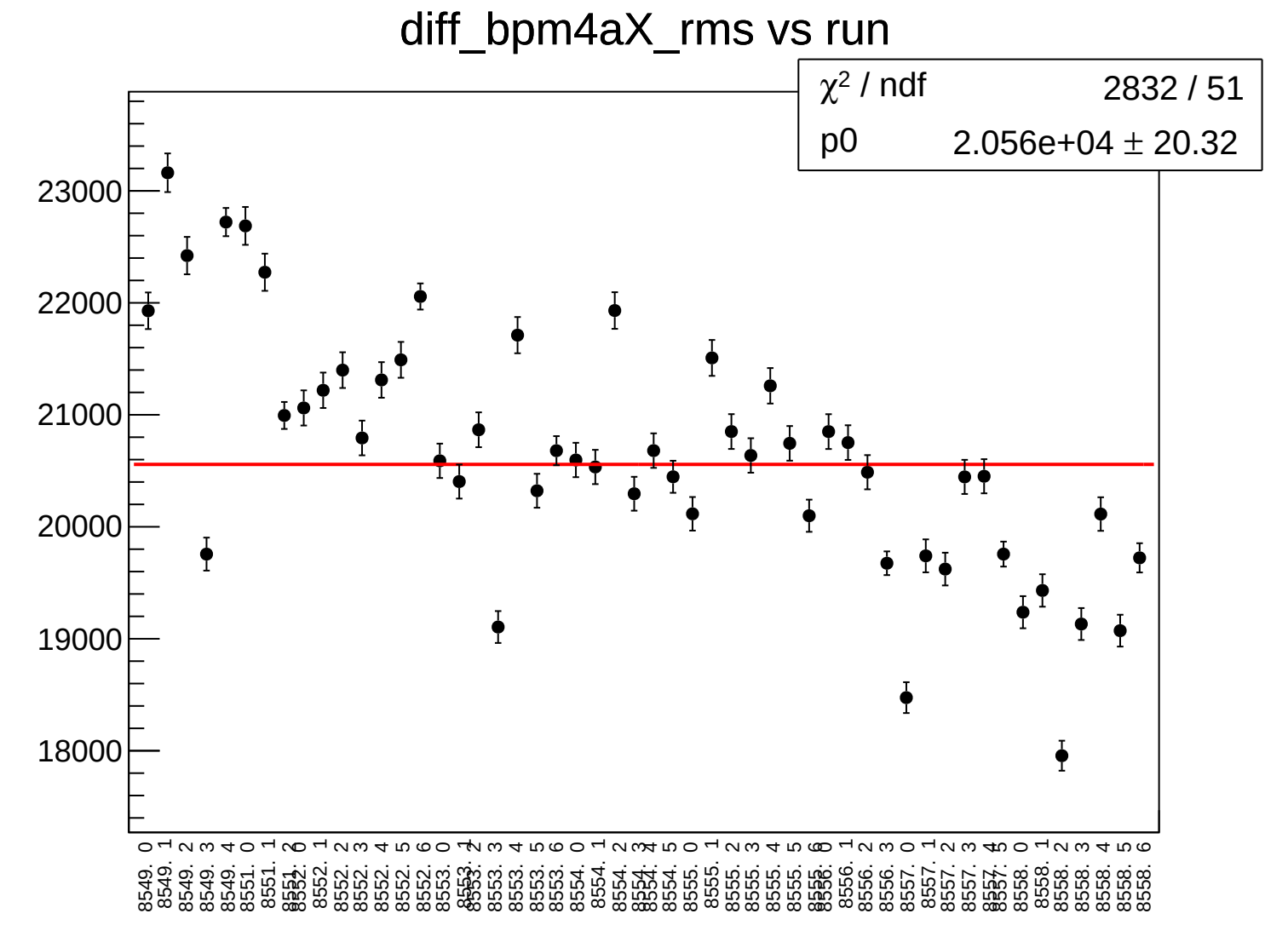

yield_bpm0r05Y_mean vs run
χ² / ndf 2.219e+06 / 51
p0 −0.08829 ± 2.188e−05
pull
Entries 52
Mean 43.99
Std Dev 0

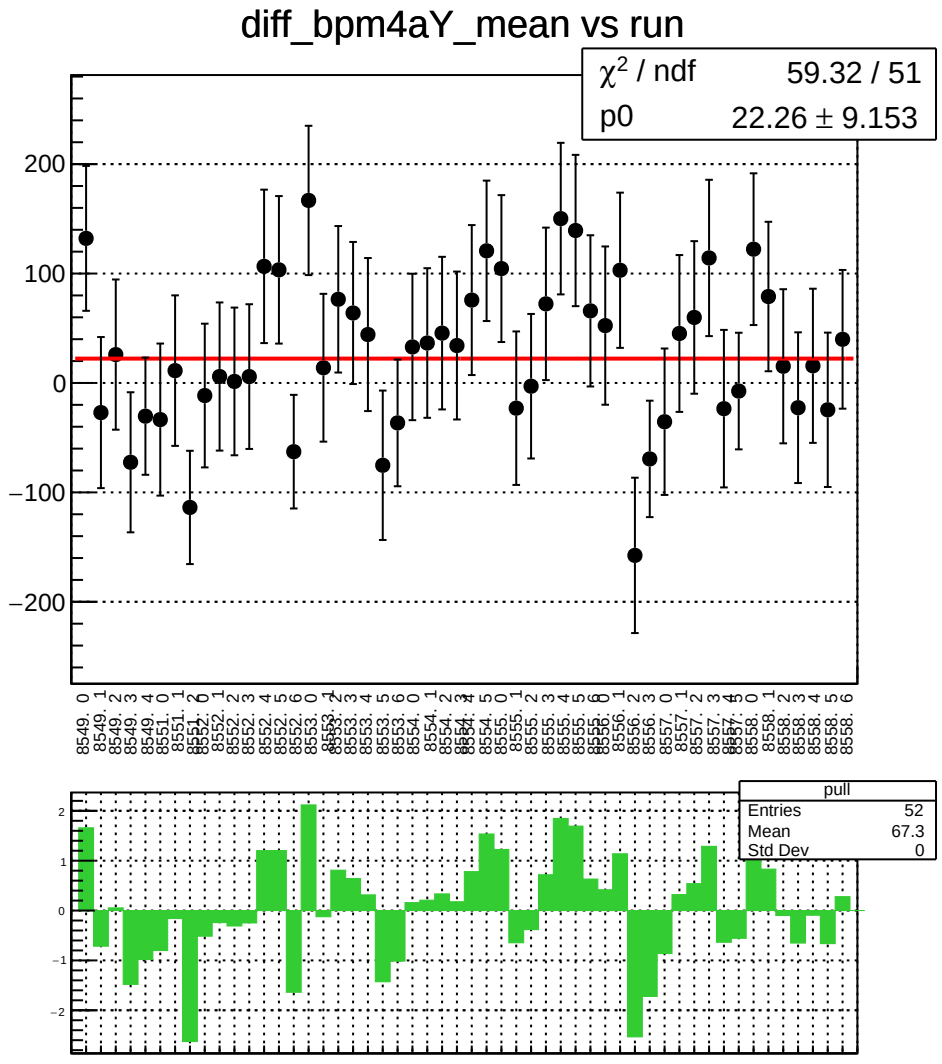

pull1D
Entries 52
Mean 1.319
Std Dev 5.502

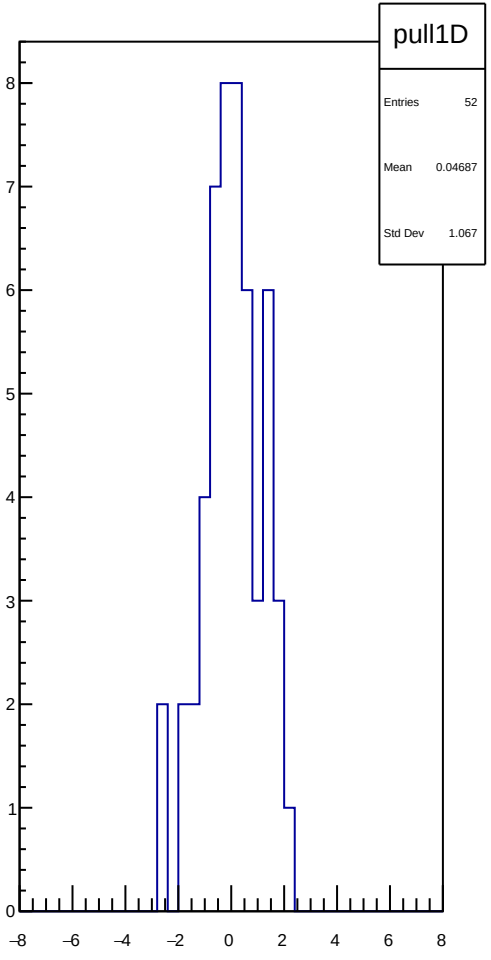

yield_bpm0r05Y_rms vs run
χ² / ndf 1.035e+05 / 51
p0 0.01487 ± 1.547e–05
0.06
0.05
0.04
0.03
0.02
0.01
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 5
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

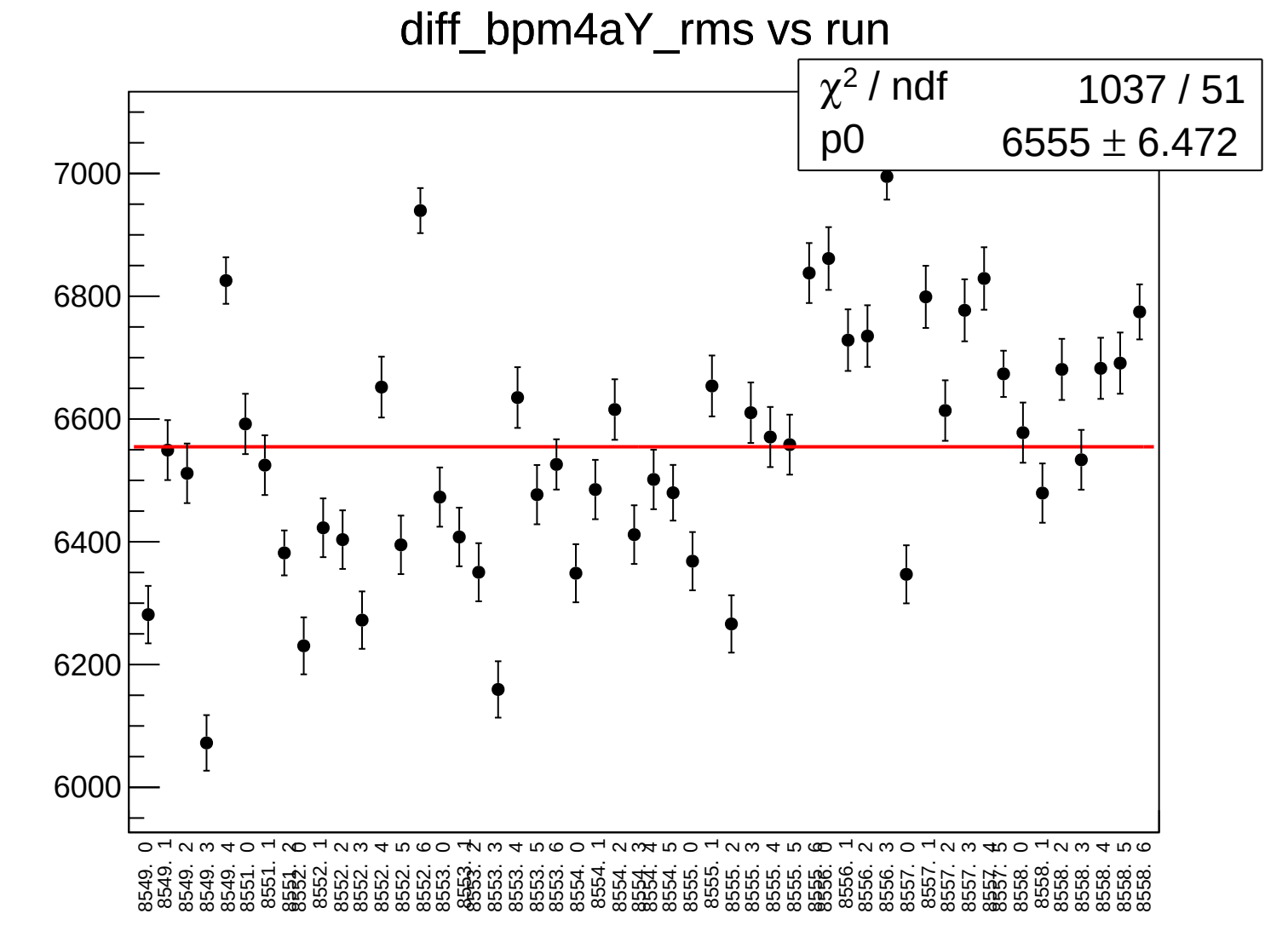

diff_bpm4aX_mean vs run
χ² / ndf 65.59 / 51
p0 −63.64 ± 28.73
pull
Entries 52
Mean −2.312
Std Dev 0

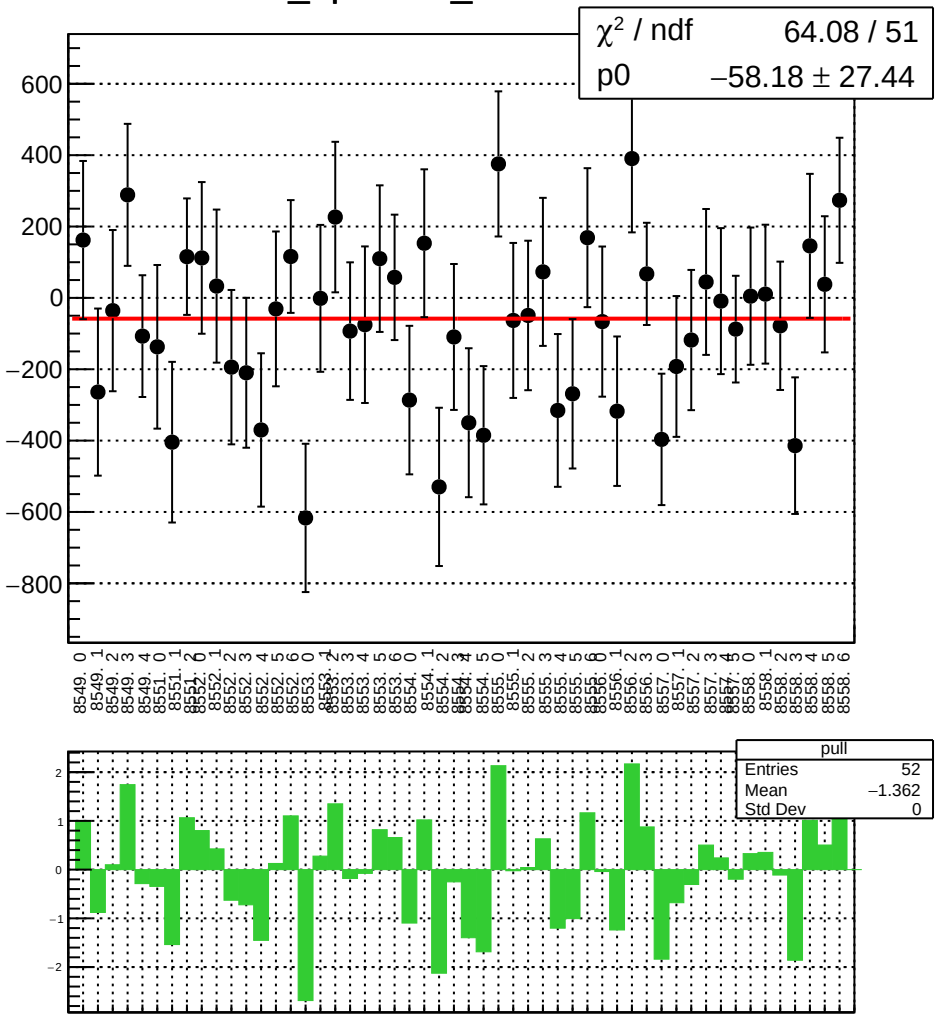

pull1D
Entries 52
Mean −0.02997
Std Dev 1.123

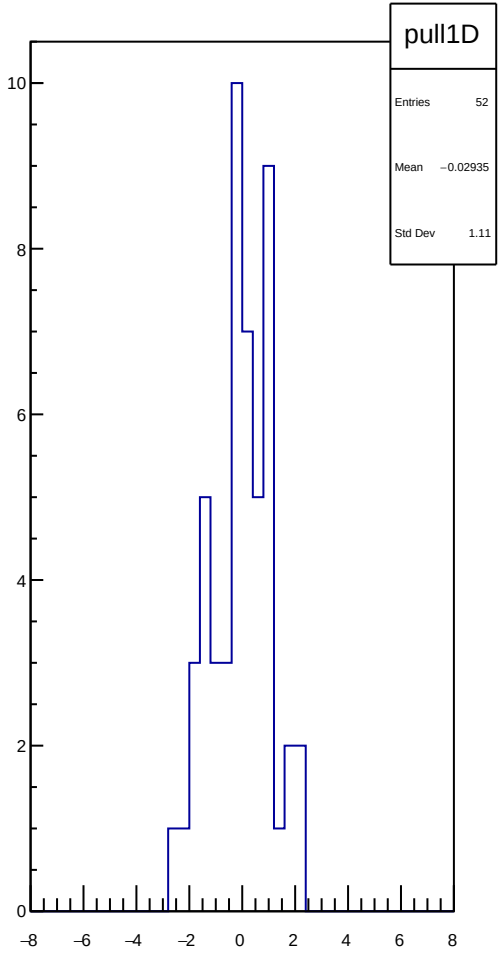

diff_bpm4aX_rms vs run
χ² / ndf 2832 / 51
p0 2.056e+04 ± 20.32
23000
22000
21000
20000
19000
18000
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

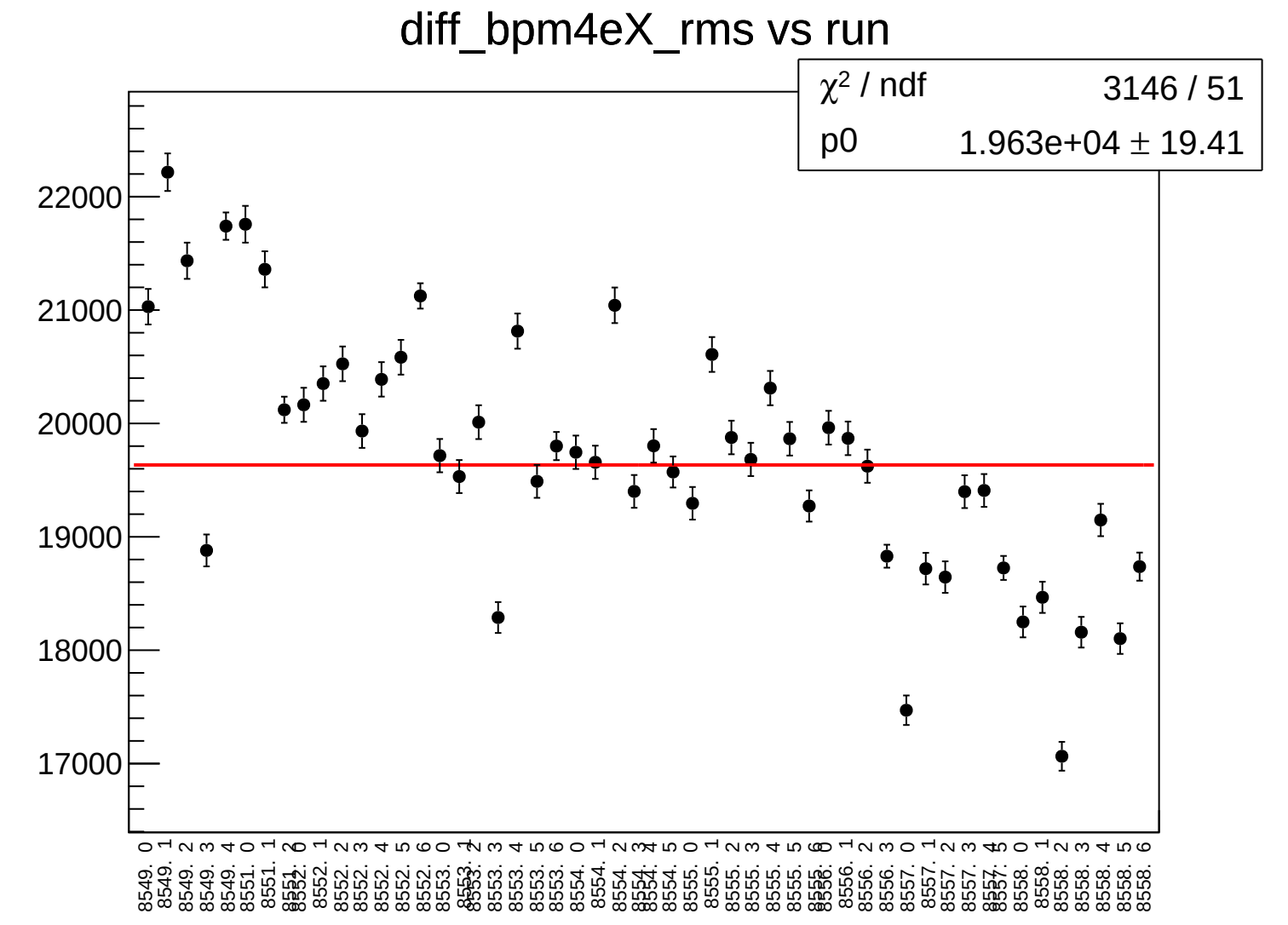

diff_bpm4aY_mean vs run
χ² / ndf 59.32 / 51
p0 22.26 ± 9.153
200
100
0
−100
−200
pull
Entries 52
Mean 67.3
Std Dev 0
2
1
0
−1
−2

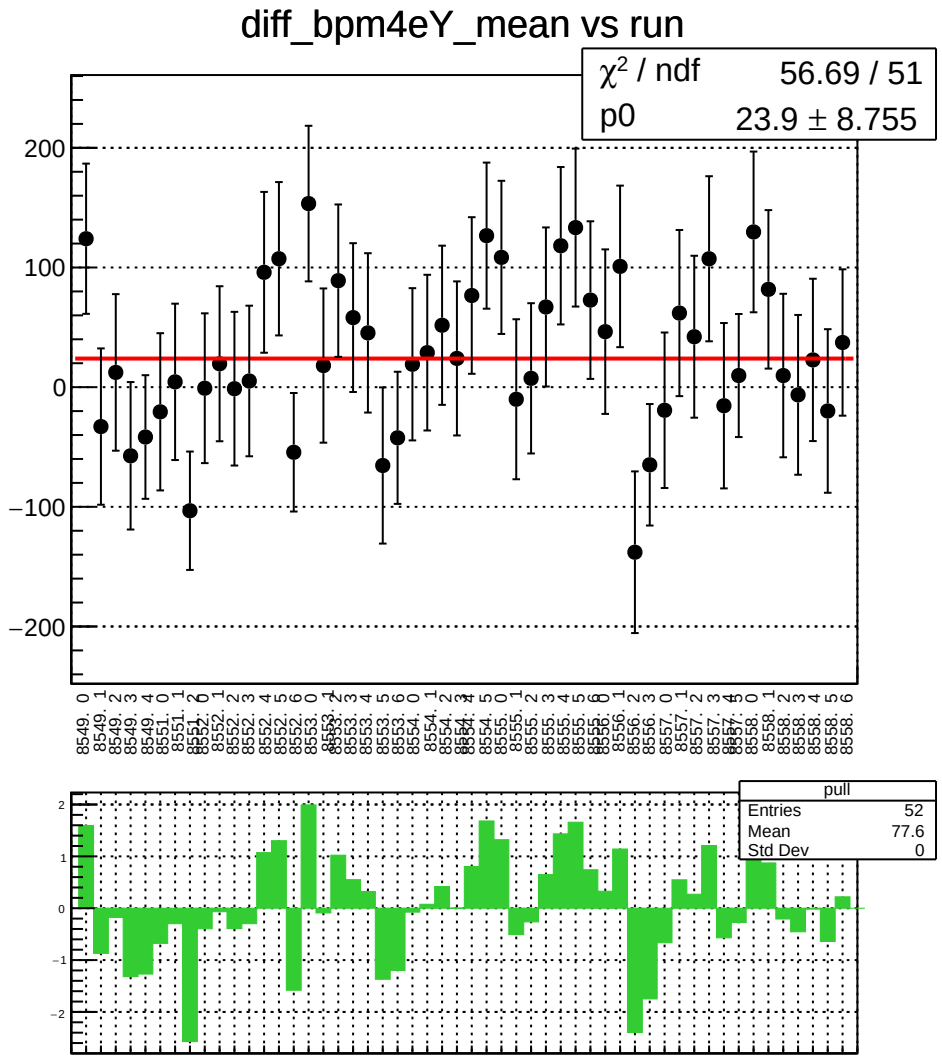

pull1D
Entries 52
Mean 0.04687
Std Dev 1.067
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

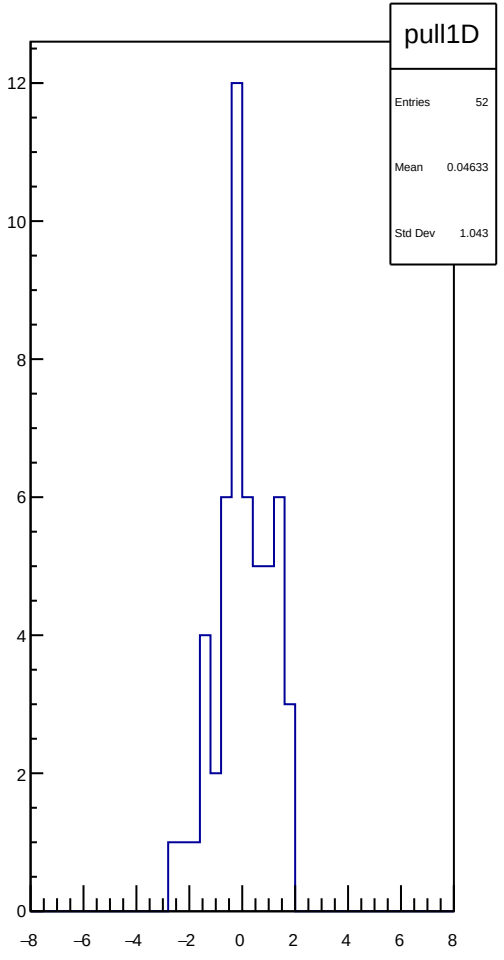

diff_bpm4aY_rms vs run
χ² / ndf 1037 / 51
p0 6555 ± 6.472
7000
6800
6600
6400
6200
6000
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

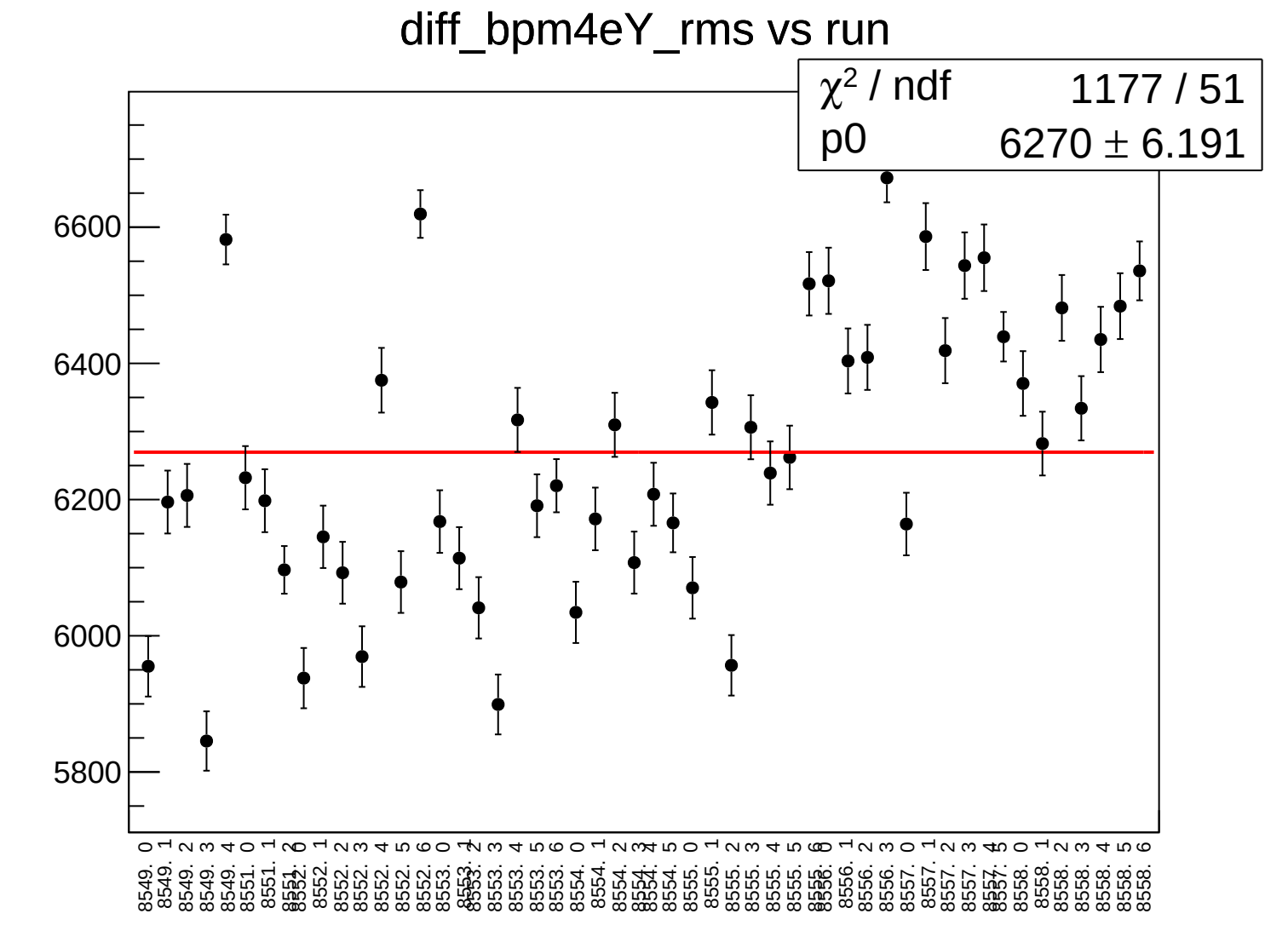

diff_bpm4eX_mean vs run
χ² / ndf 64.08 / 51
p0 −58.18 ± 27.44
pull
Entries 52
Mean −1.362
Std Dev 0

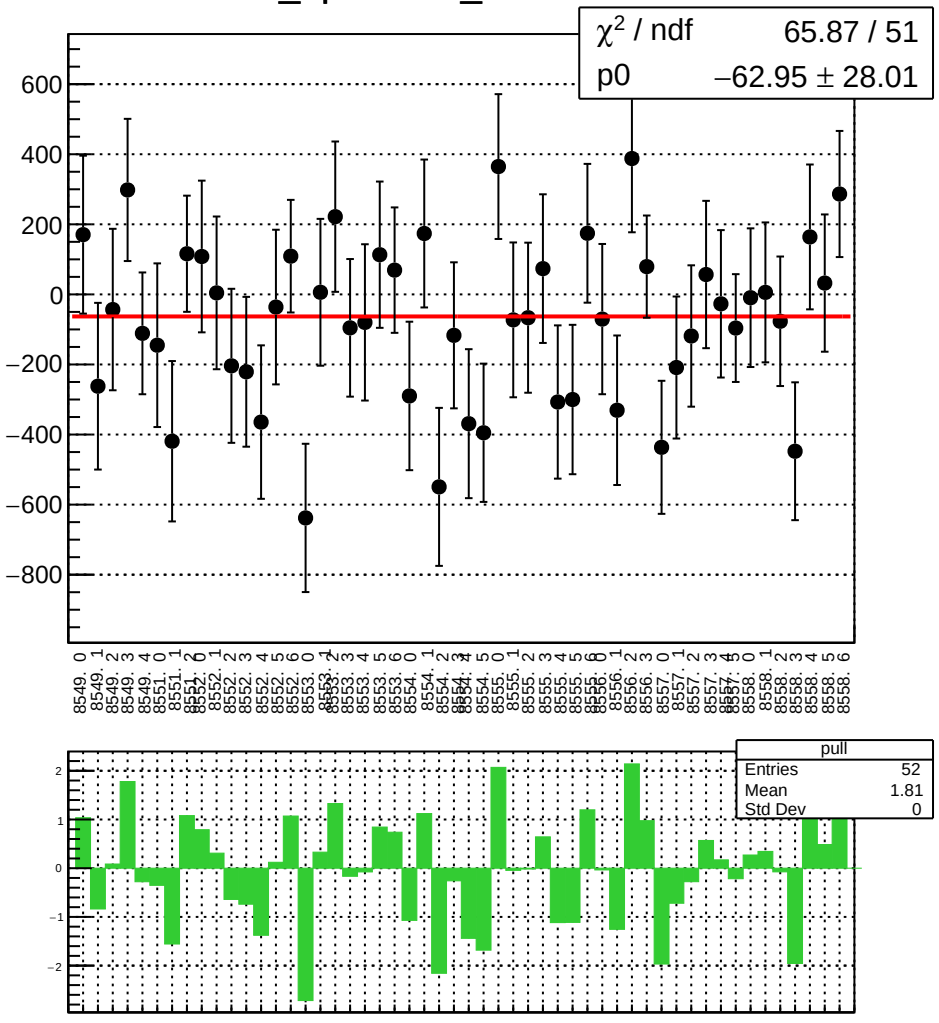

pull1D
Entries 52
Mean −0.02935
Std Dev 1.11

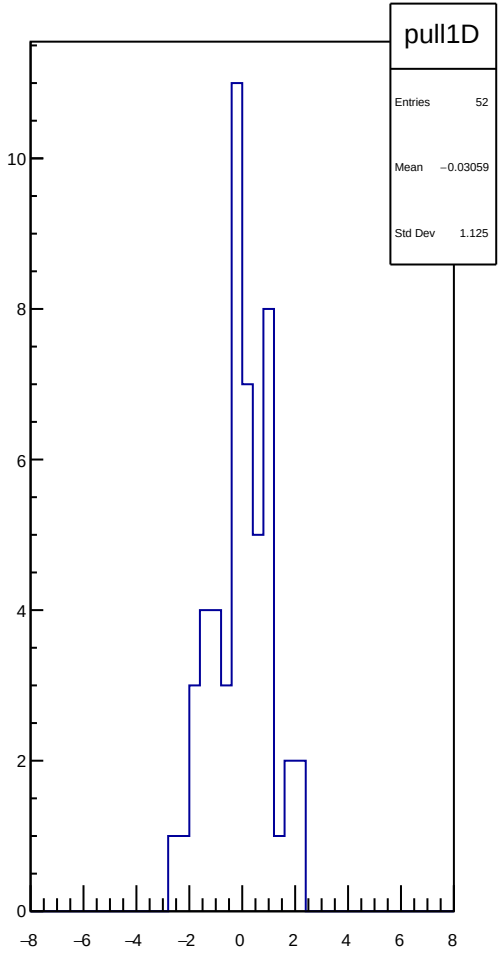

diff_bpm4eX_rms vs run
χ² / ndf 3146 / 51
p0 1.963e+04 ± 19.41
22000
21000
20000
19000
18000
17000
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 5
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

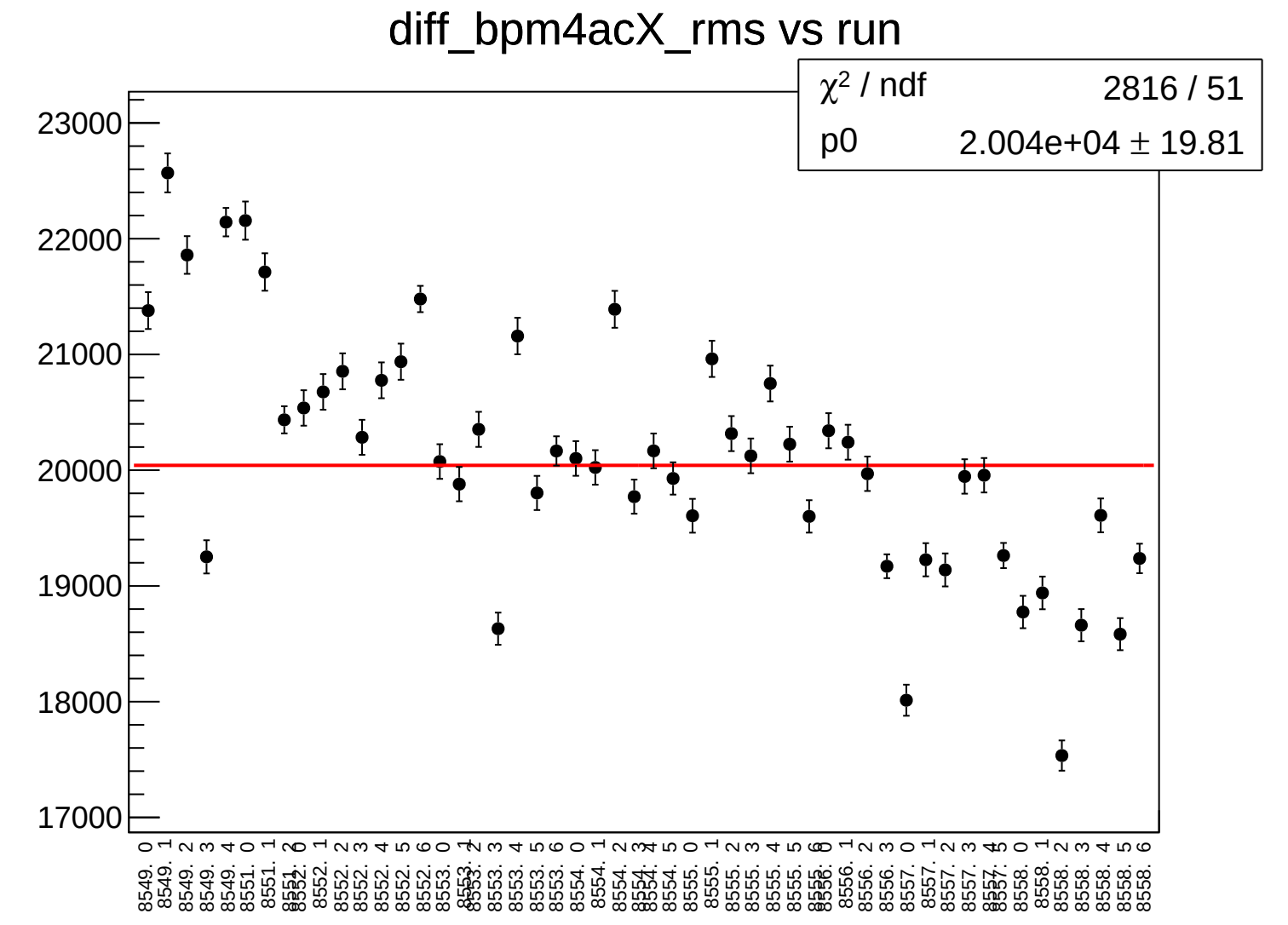

diff_bpm4eY_mean vs run
χ² / ndf 56.69 / 51
p0 23.9 ± 8.755
200
100
0
−100
−200
pull
Entries 52
Mean 77.6
Std Dev 0
2
1
0
−1
−2

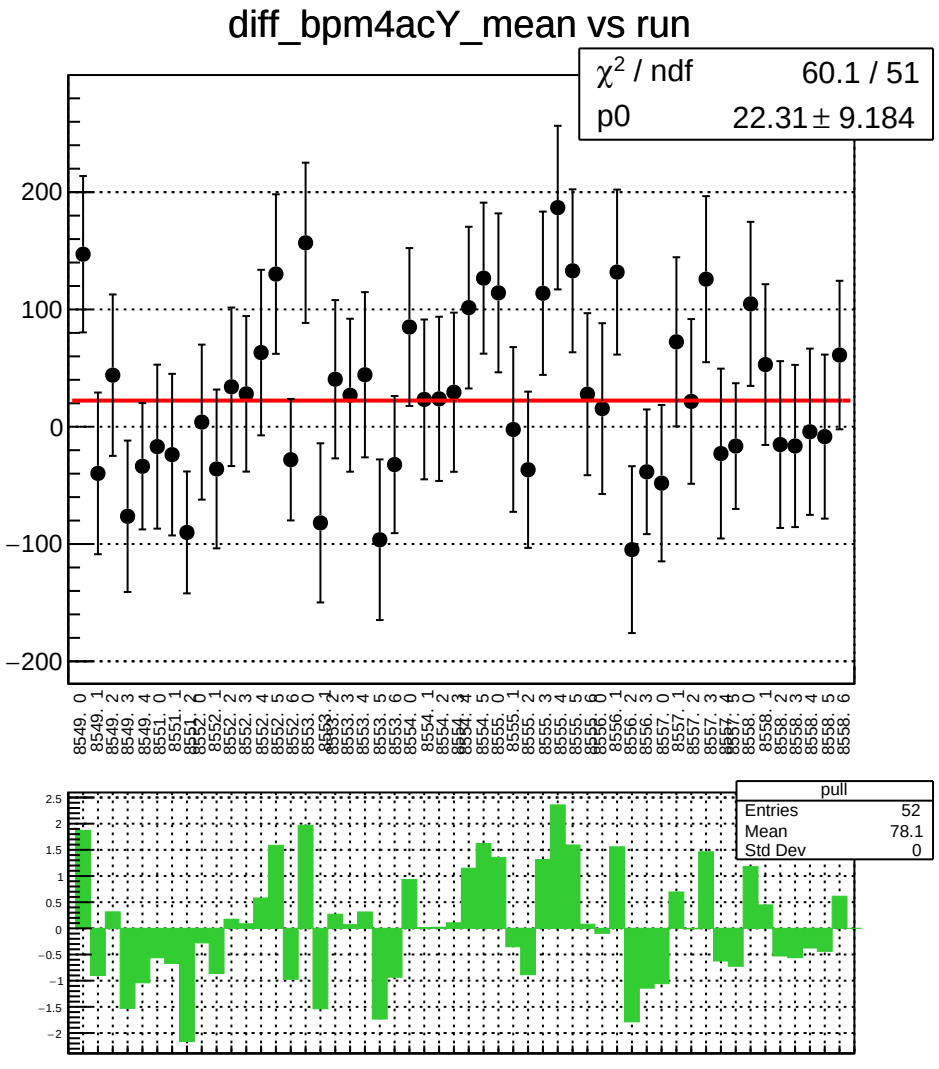

pull1D
Entries 52
Mean 0.04633
Std Dev 1.043
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

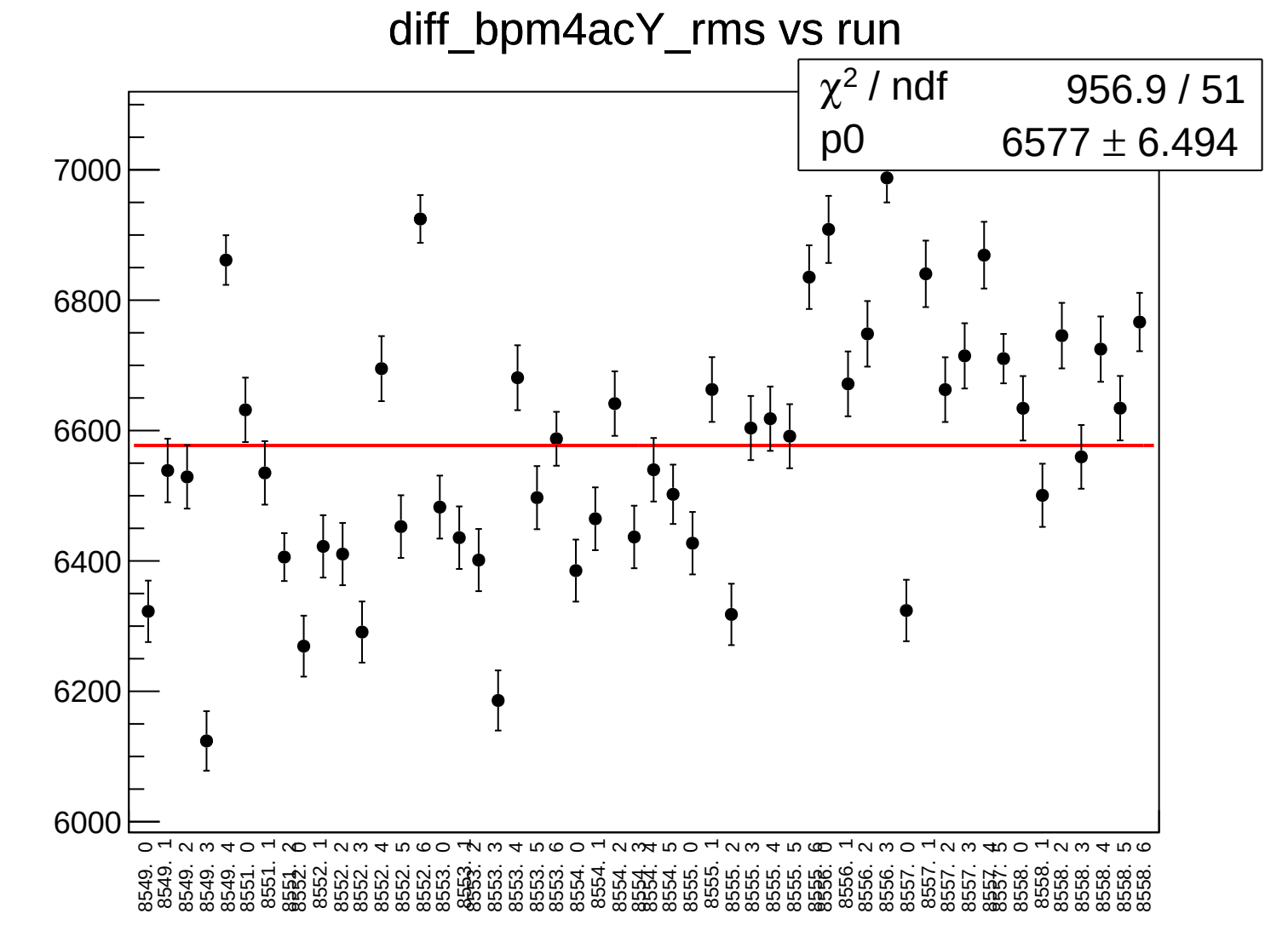

diff_bpm4eY_rms vs run
χ² / ndf 1177 / 51
p0 6270 ± 6.191
6600
6400
6200
6000
5800
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 5
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6


diff_bpm4acX_mean vs run
χ² / ndf 65.87 / 51
p0 −62.95 ± 28.01
pull
Entries 52
Mean 1.81
Std Dev 0


pull1D
Entries 52
Mean −0.03059
Std Dev 1.125


diff_bpm4acX_rms vs run
χ² / ndf 2816 / 51
p0 2.004e+04 ± 19.81
23000
22000
21000
20000
19000
18000
17000
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 5
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6


diff_bpm4acY_mean vs run
χ^2 / ndf 60.1 / 51
p0 22.31 ± 9.184
200
100
0
−100
−200
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8551. 2
8551. 6
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 1
8553. 2
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 3
8554. 4
8554. 5
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8555. 6
8556. 0
8556. 1
8556. 2
8556. 3
8556. 4
8557. 0
8557. 1
8557. 2
8557. 3
8557. 4
8557. 5
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6
pull
Entries 52
Mean 78.1
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 52
Mean 0.03805
Std Dev 1.074
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


diff_bpm4acY_rms vs run
χ² / ndf 956.9 / 51
p0 6577 ± 6.494
7000
6800
6600
6400
6200
6000
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
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8558. 2
8558. 3
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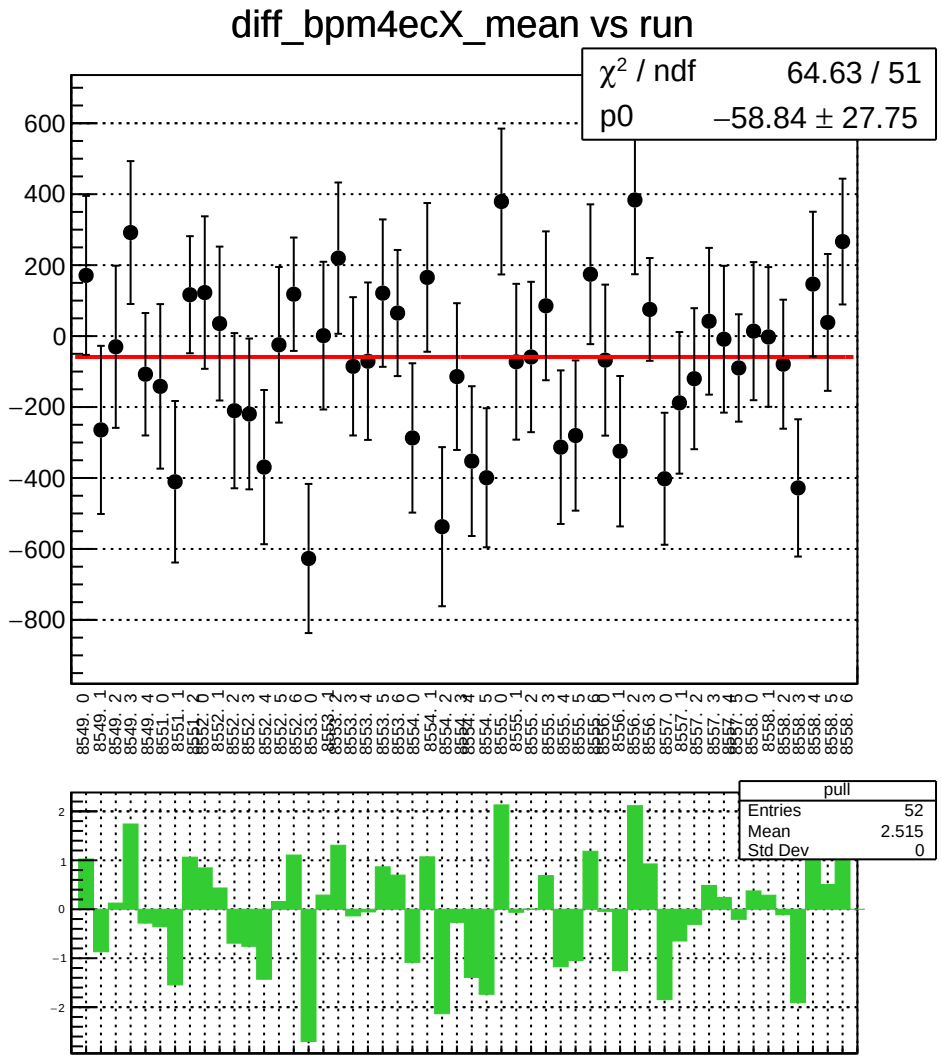
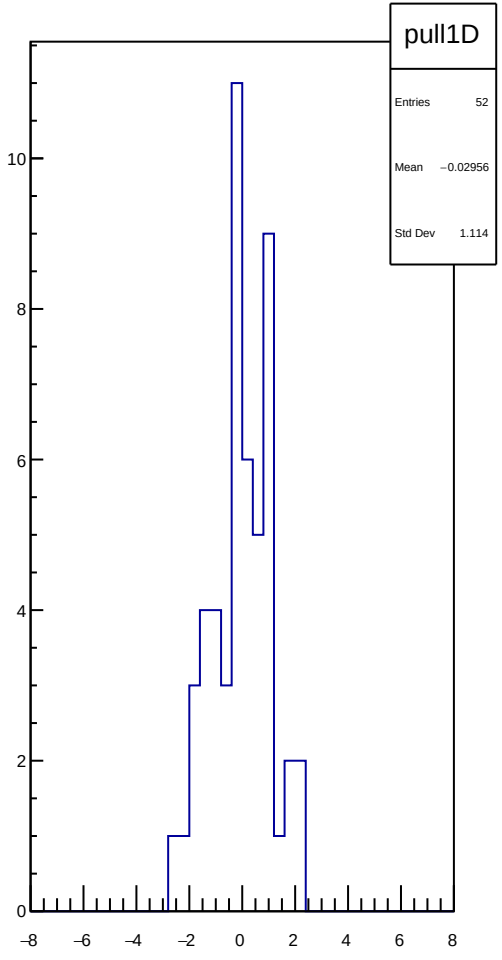
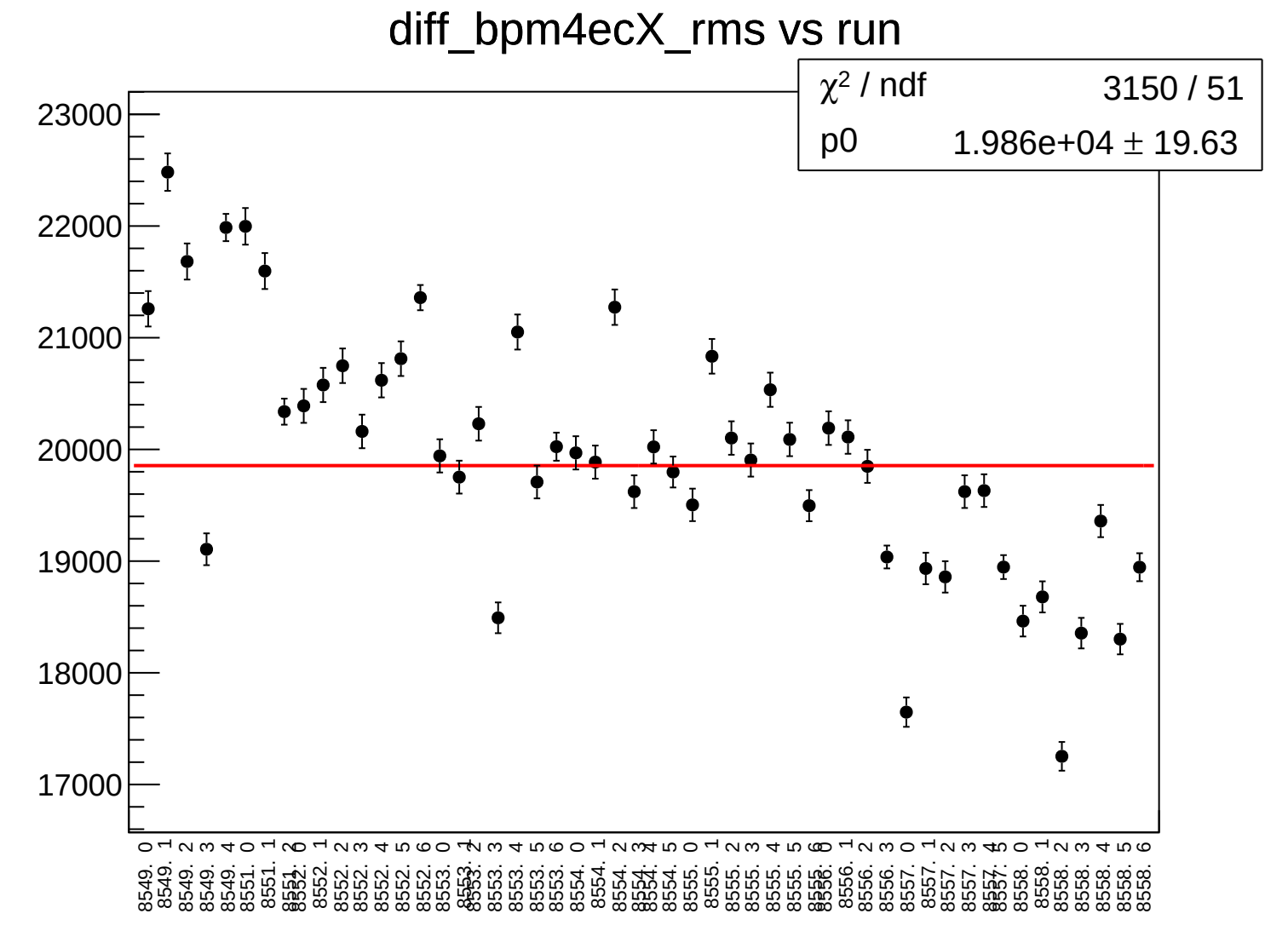
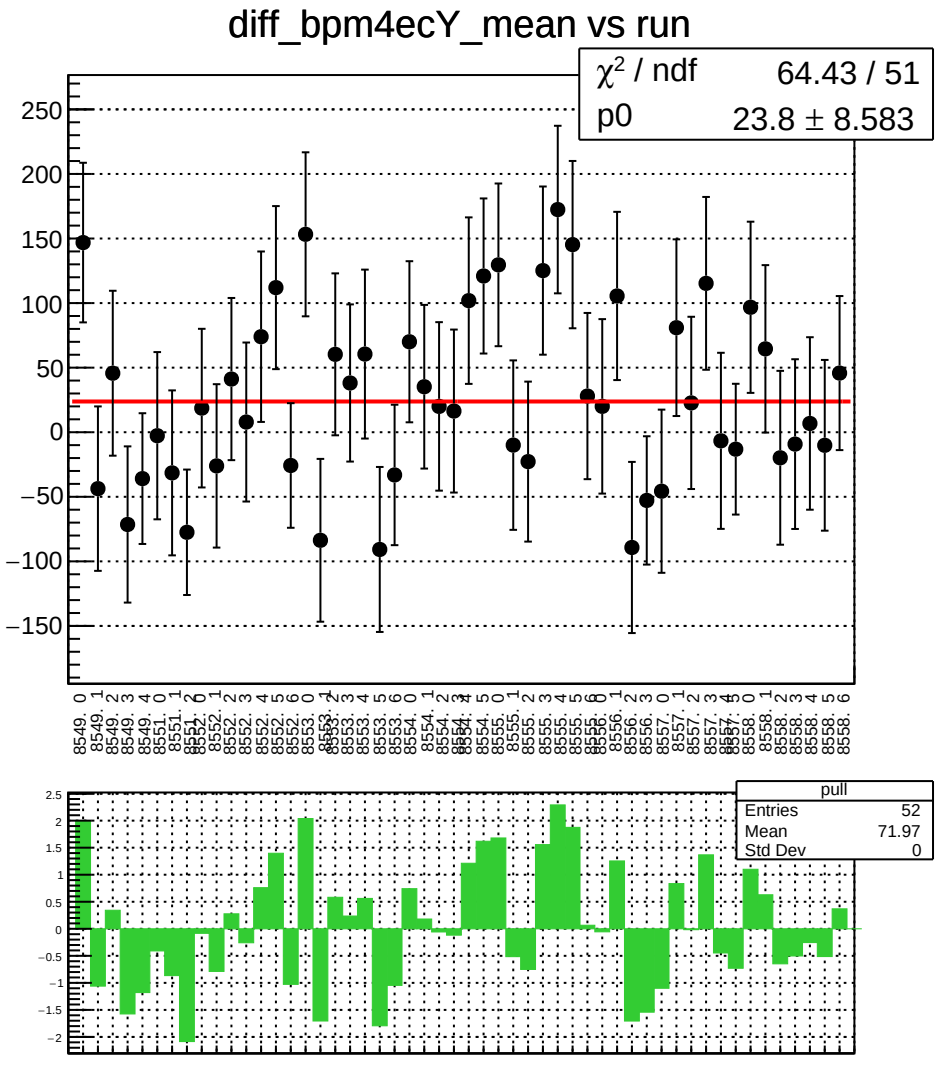
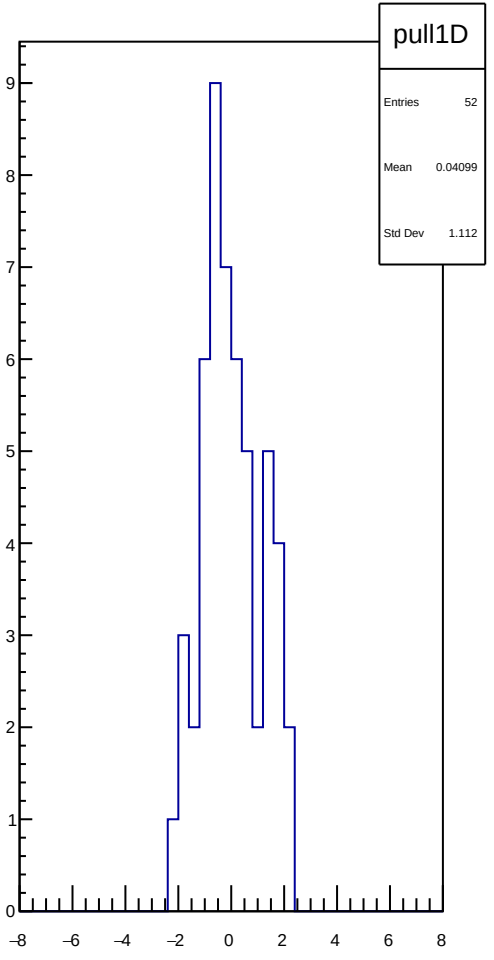
8558. 5
8558. 6

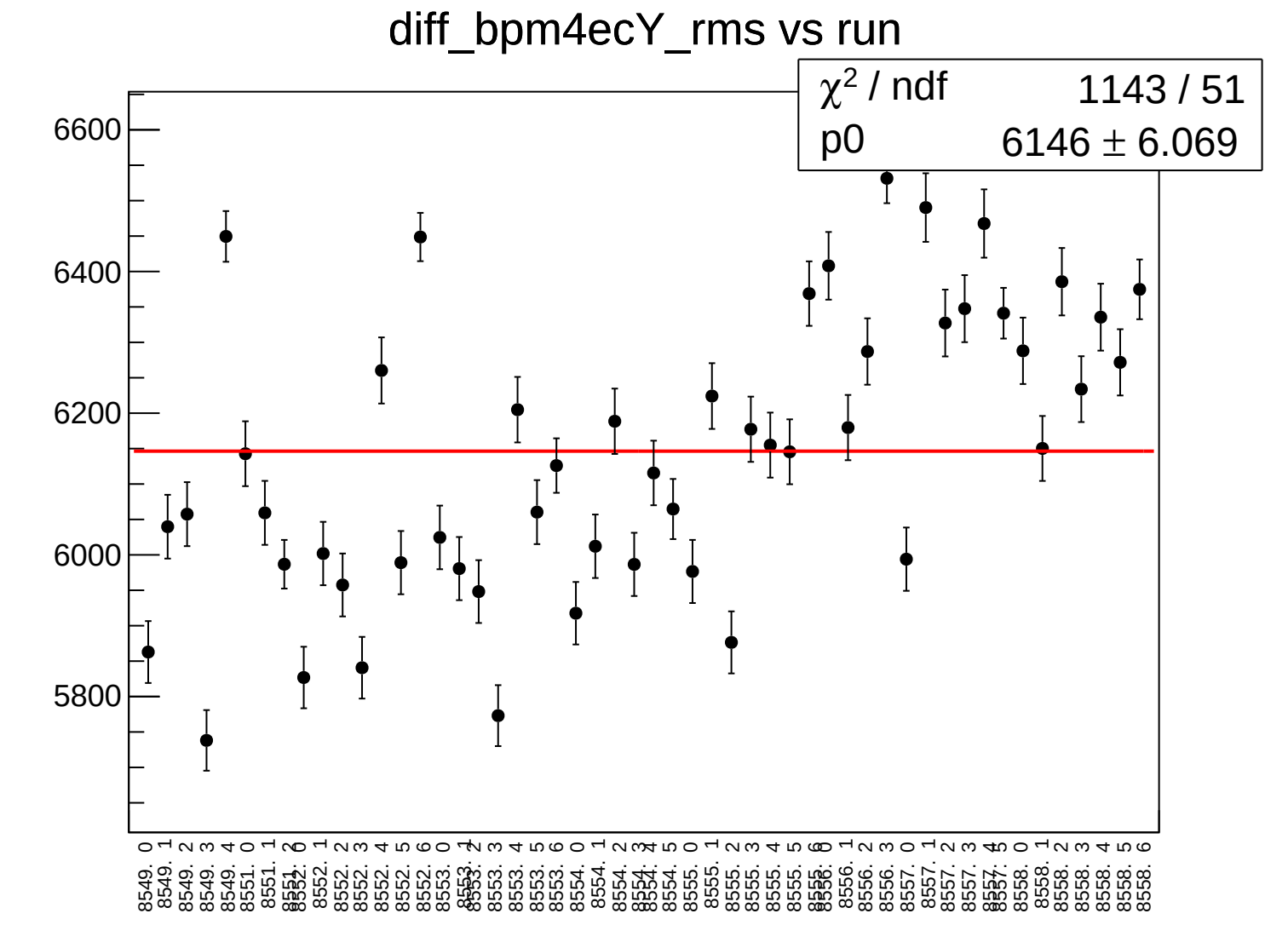

diff_bpm4ecX_mean vs run
χ² / ndf 64.63 / 51
p0 −58.84 ± 27.75
pull
Entries 52
Mean 2.515
Std Dev 0

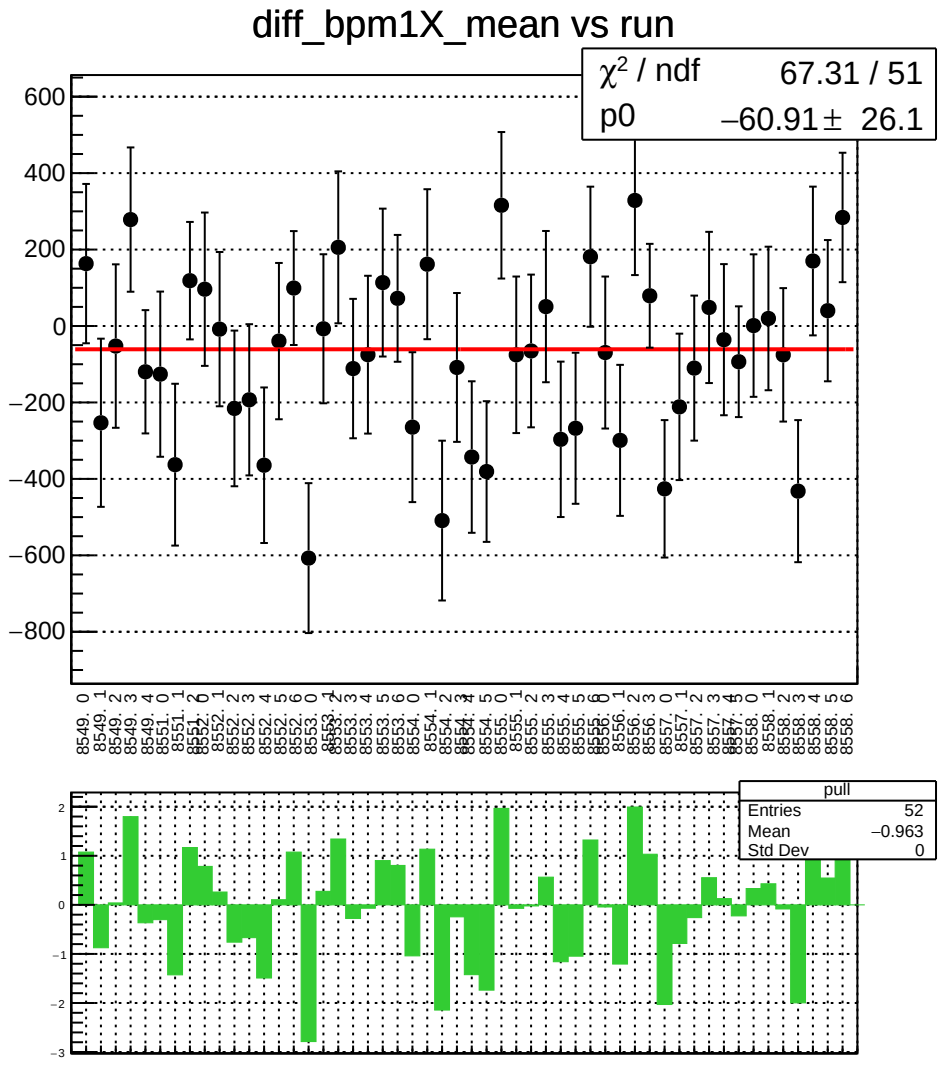

pull1D
Entries 52
Mean −0.02956
Std Dev 1.114

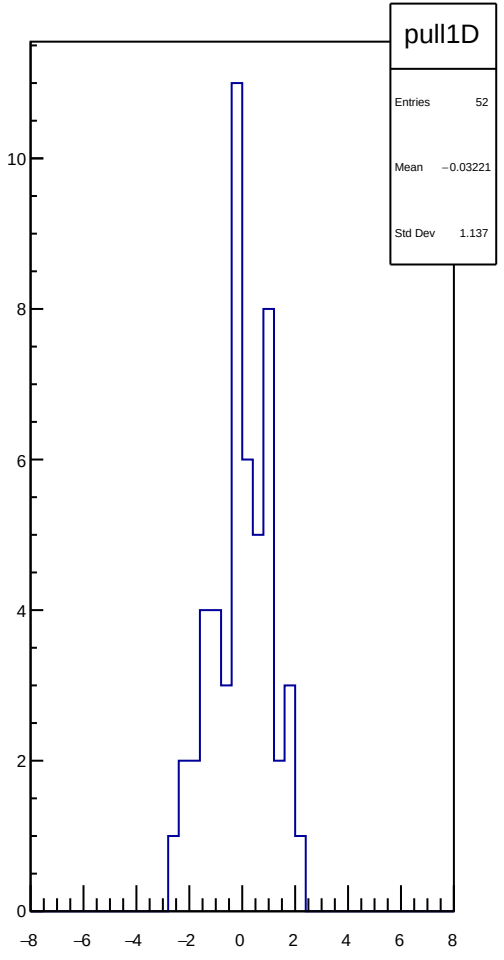

diff_bpm4ecX_rms vs run
χ² / ndf 3150 / 51
p0 1.986e+04 ± 19.63
23000
22000
21000
20000
19000
18000
17000
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

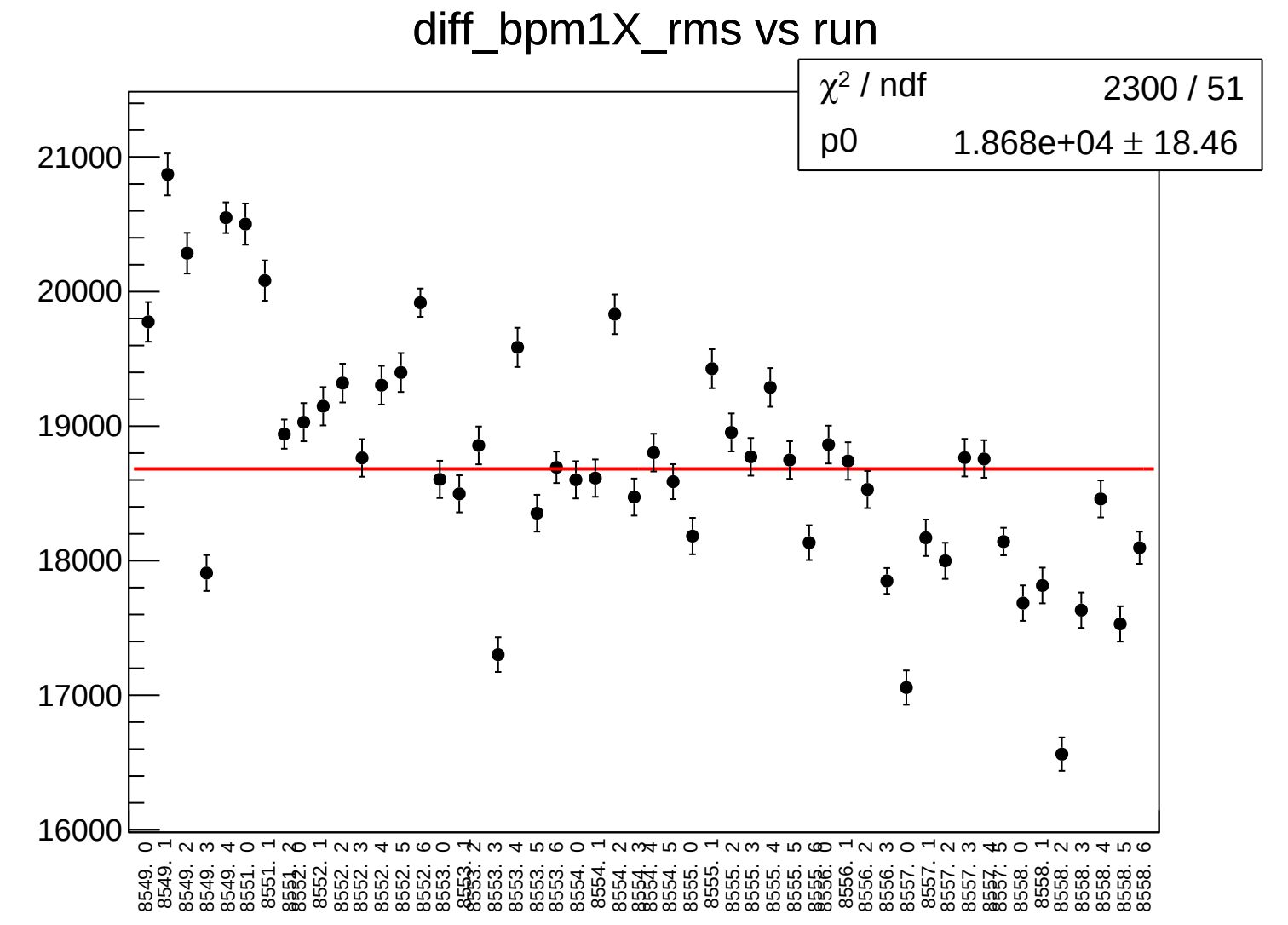

diff_bpm4ecY_mean vs run
χ² / ndf 64.43 / 51
p0 23.8 ± 8.583
pull
Entries 52
Mean 71.97
Std Dev 0

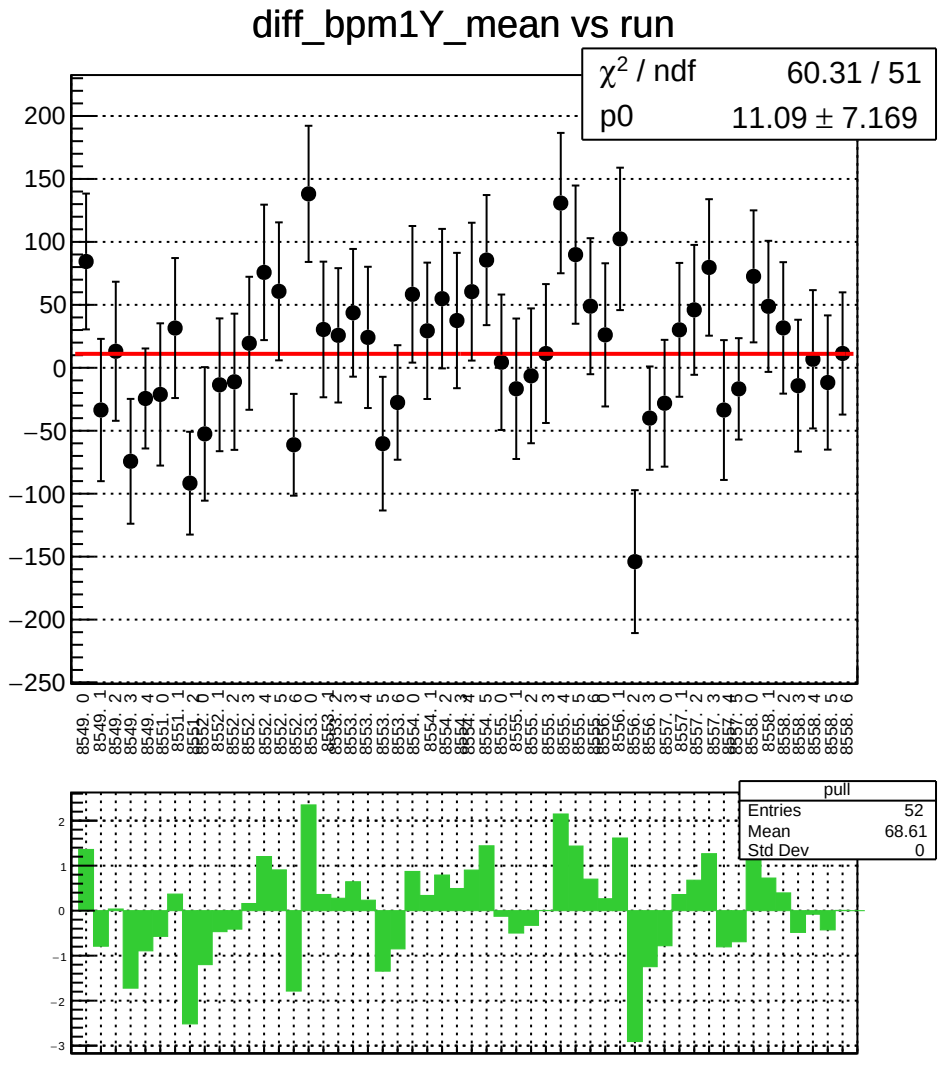

pull1D
Entries 52
Mean 0.04099
Std Dev 1.112

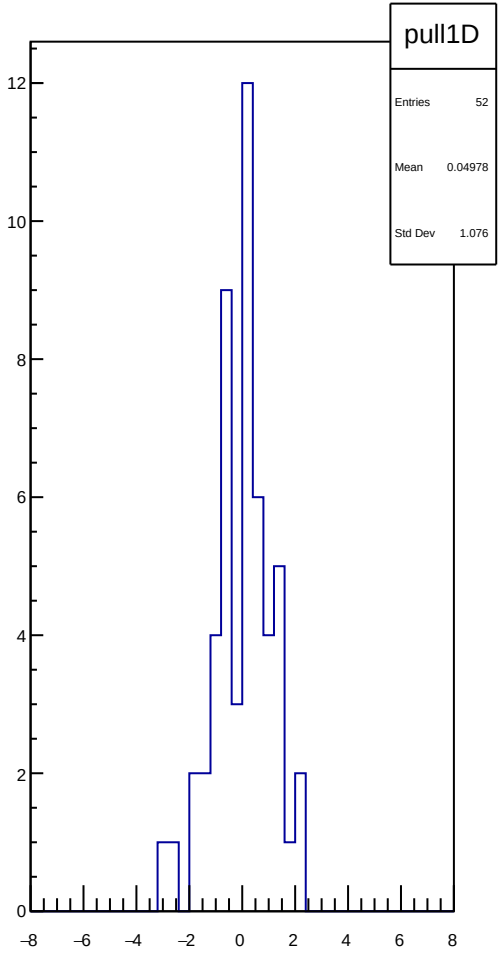

diff_bpm4ecY_rms vs run
χ² / ndf 1143 / 51
p0 6146 ± 6.069
6600
6400
6200
6000
5800
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

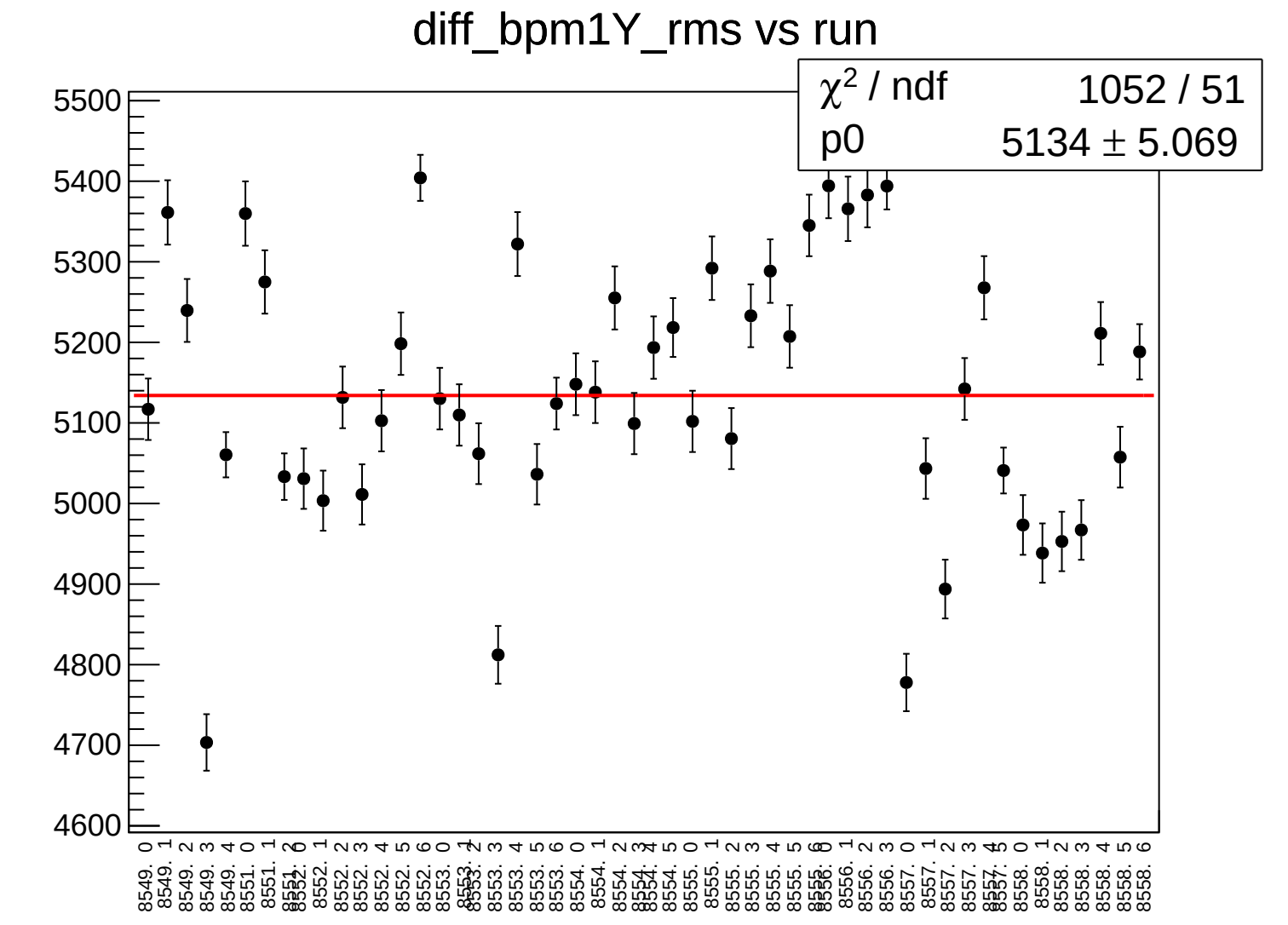

diff_bpm1X_mean vs run
χ² / ndf 67.31 / 51
p0 −60.91 ± 26.1
pull
Entries 52
Mean −0.963
Std Dev 0

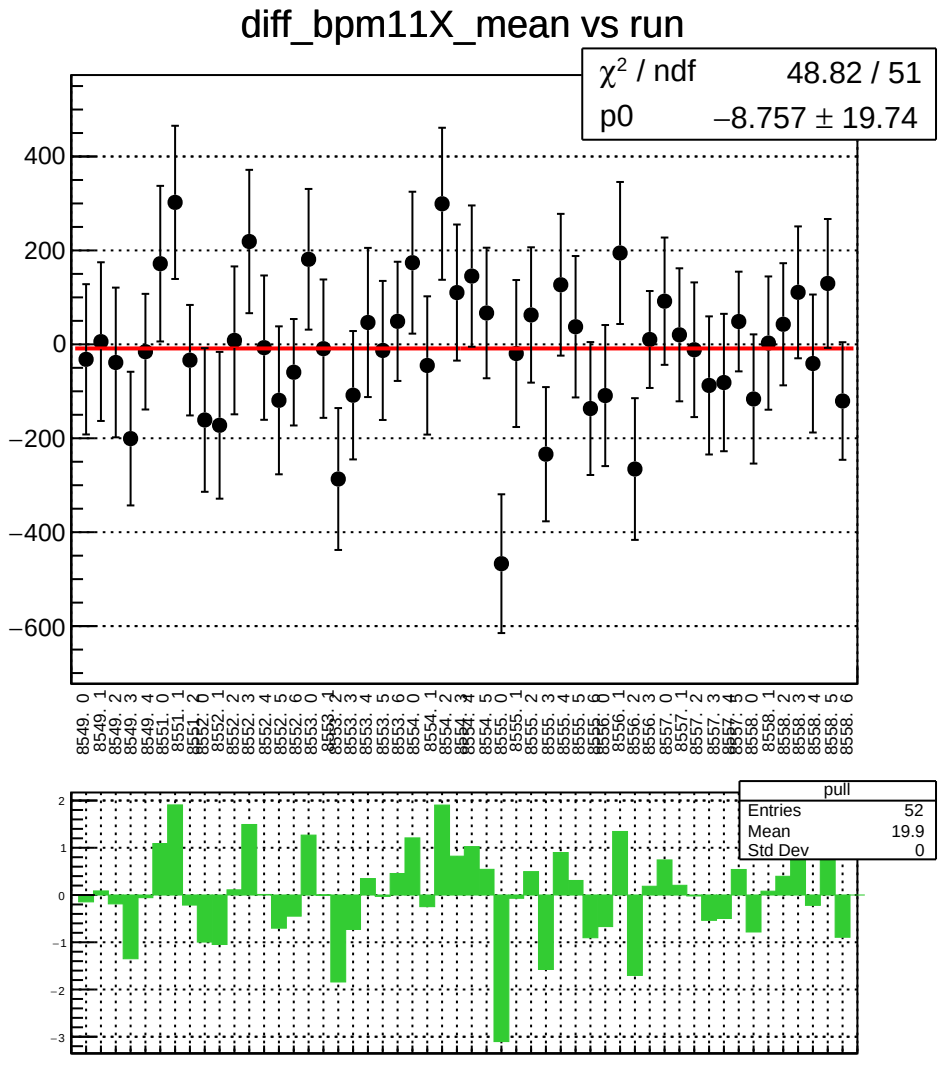

pull1D
Entries 52
Mean −0.03221
Std Dev 1.137

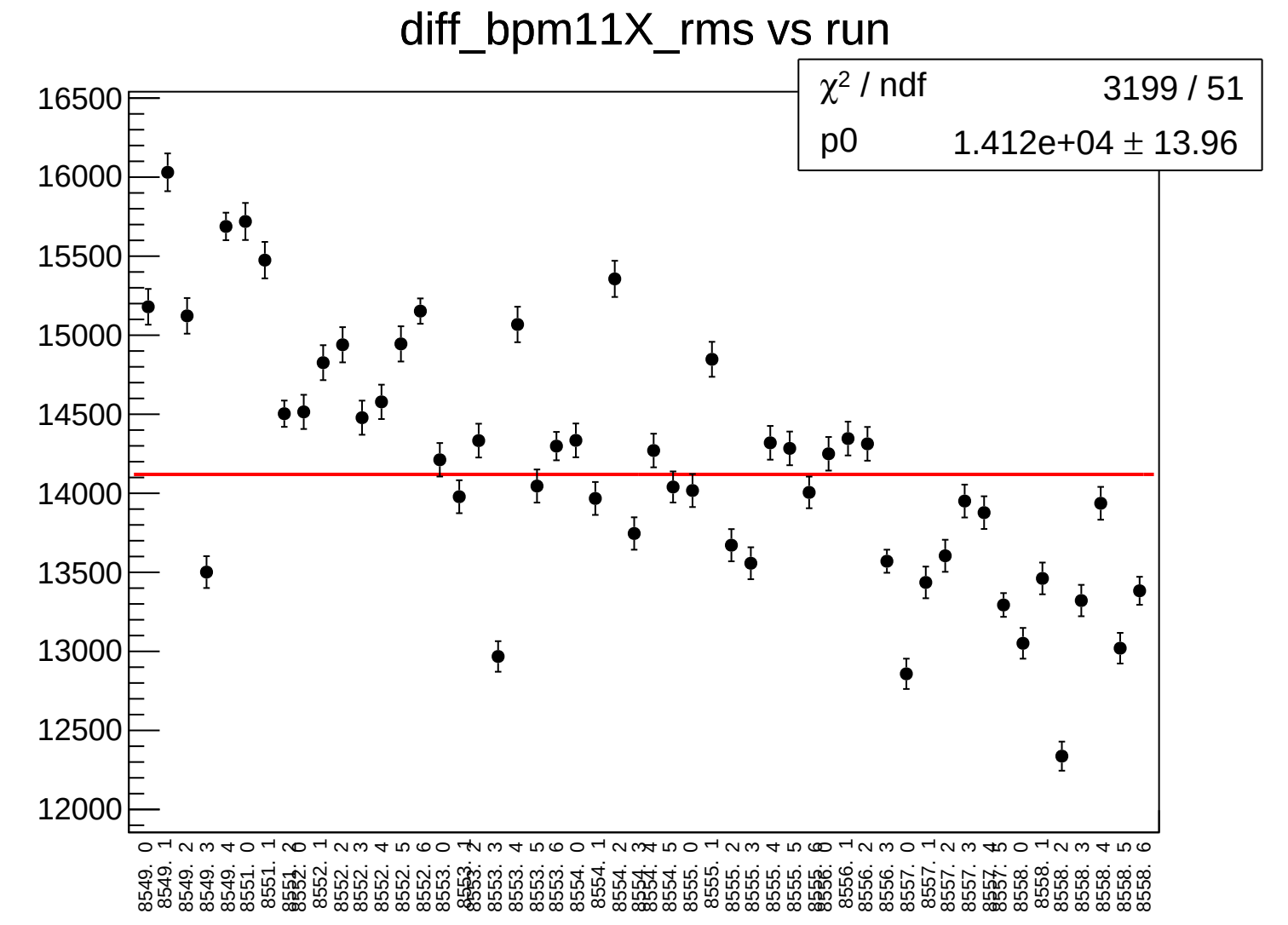

diff_bpm1X_rms vs run
χ² / ndf 2300 / 51
p0 1.868e+04 ± 18.46
21000
20000
19000
18000
17000
16000
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

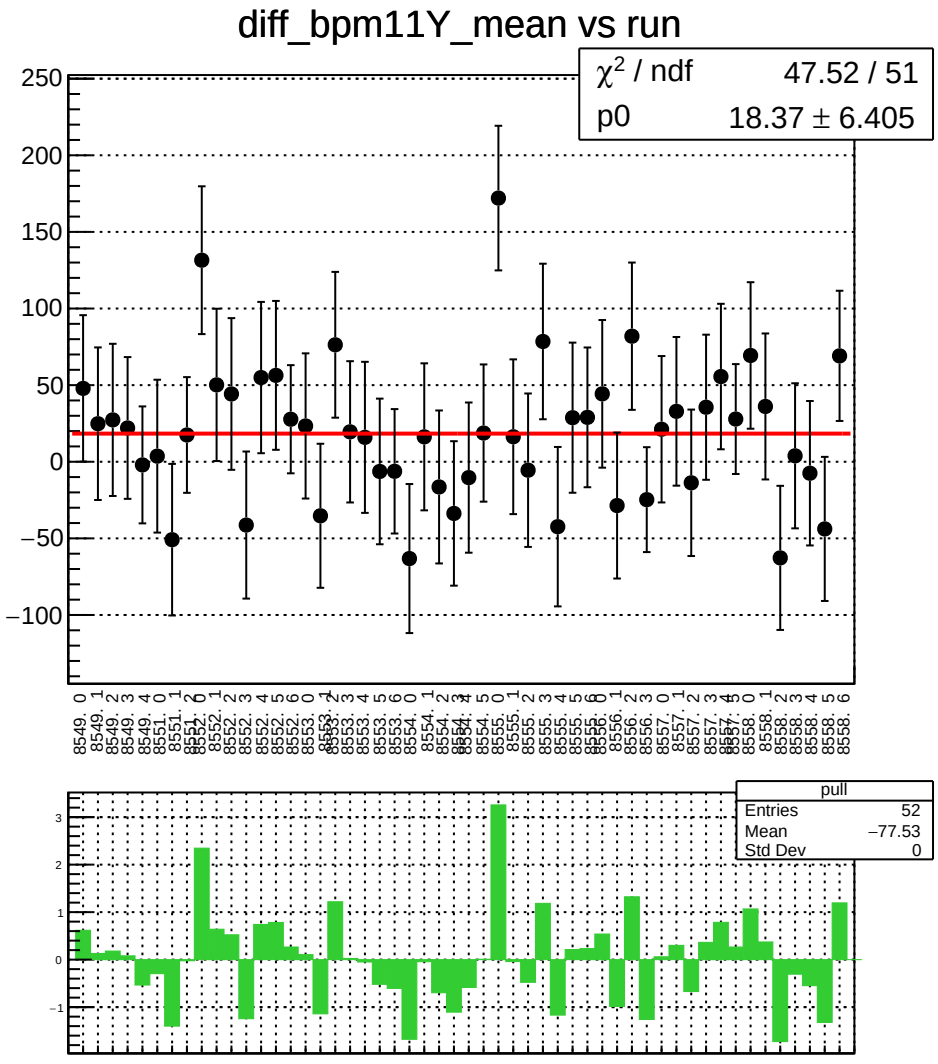

diff_bpm1Y_mean vs run
χ² / ndf 60.31 / 51
p0 11.09 ± 7.169
pull
Entries 52
Mean 68.61
Std Dev 0

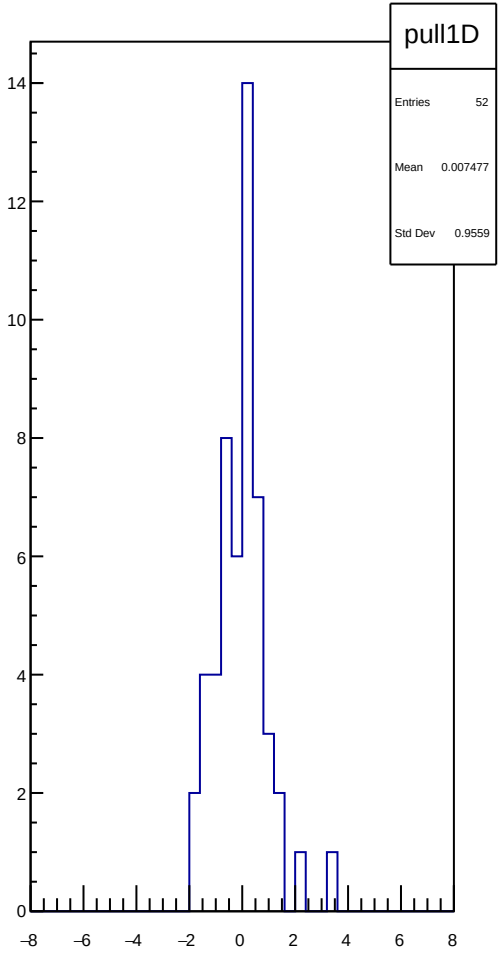

pull1D
Entries 52
Mean 0.04978
Std Dev 1.076

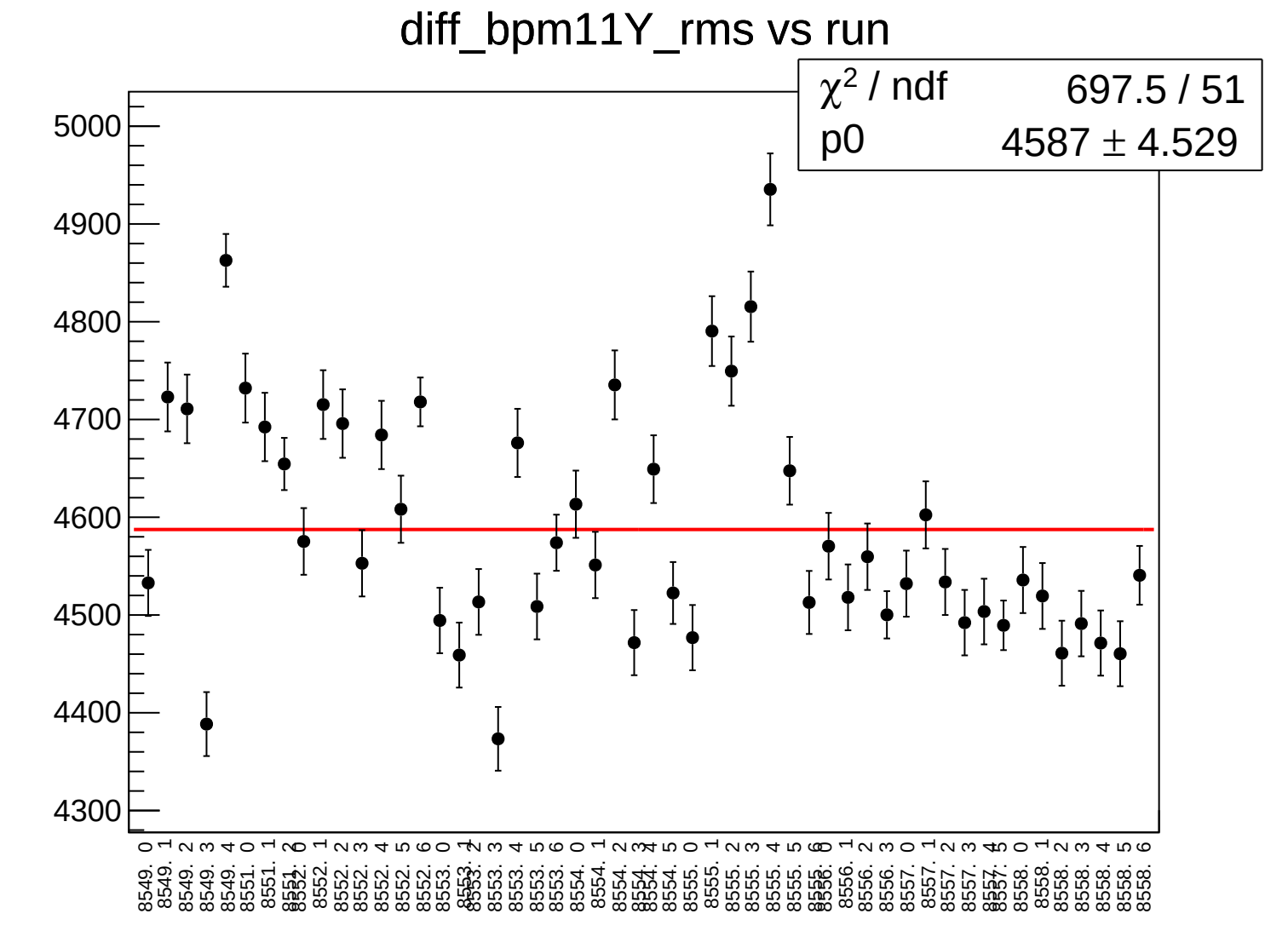

diff_bpm1Y_rms vs run
χ² / ndf 1052 / 51
p0 5134 ± 5.069
5500
5400
5300
5200
5100
5000
4900
4800
4700
4600
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 5
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6


diff_bpm11X_mean vs run
χ² / ndf 48.82 / 51
p0 −8.757 ± 19.74
400
200
0
−200
−400
−600
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8551. 2
8551. 6
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 1
8553. 2
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 3
8554. 4
8554. 5
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8555. 6
8556. 0
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8557. 4
8557. 5
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6
pull
Entries 52
Mean 19.9
Std Dev 0
2
1
0
−1
−2
−3
pull1D
Entries 52
Mean 0.007136
Std Dev 0.969
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


diff_bpm11X_rms vs run
χ² / ndf 3199 / 51
p0 1.412e+04 ± 13.96
16500
16000
15500
15000
14500
14000
13500
13000
12500
12000
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6


diff_bpm11Y_mean vs run
χ^2 / ndf 47.52 / 51
p0 18.37 ± 6.405
pull
Entries 52
Mean −77.53
Std Dev 0


pull1D
Entries 52
Mean 0.007477
Std Dev 0.9559


diff_bpm11Y_rms vs run
χ² / ndf 697.5 / 51
p0 4587 ± 4.529
5000
4900
4800
4700
4600
4500
4400
4300
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 5
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8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
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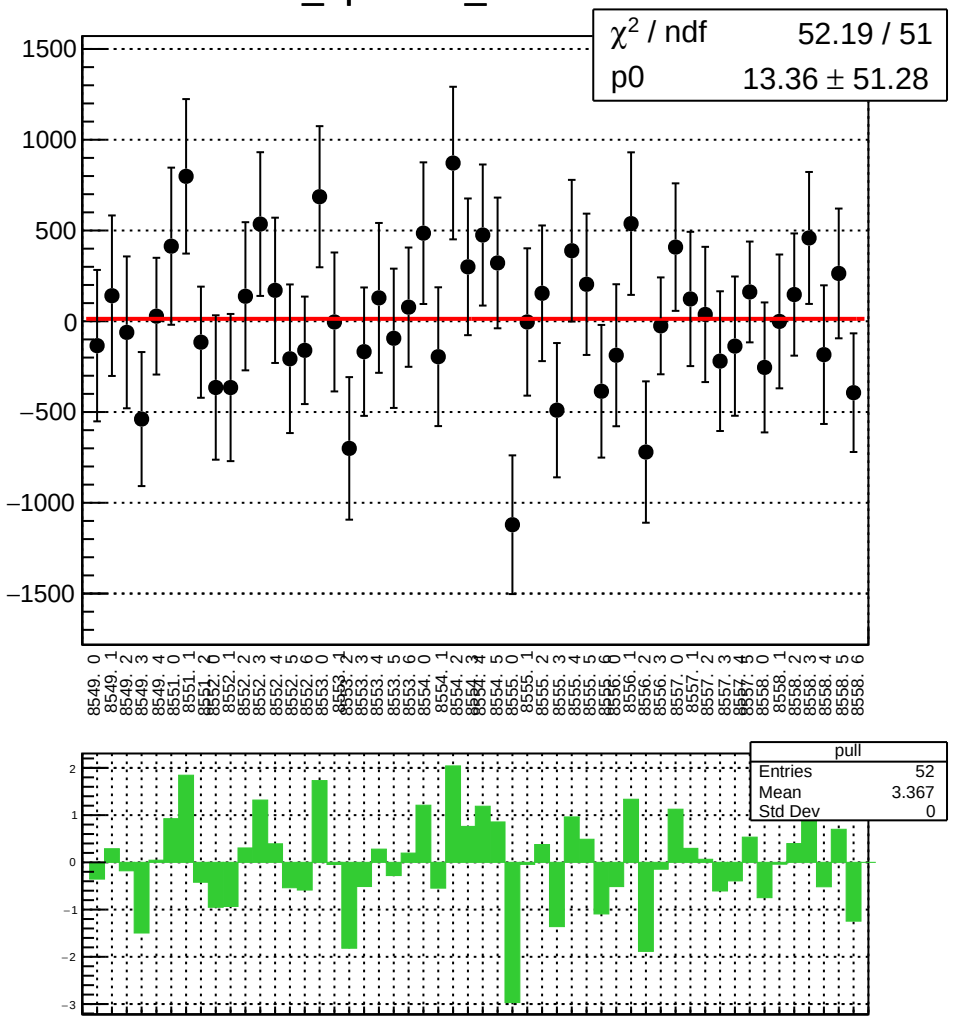
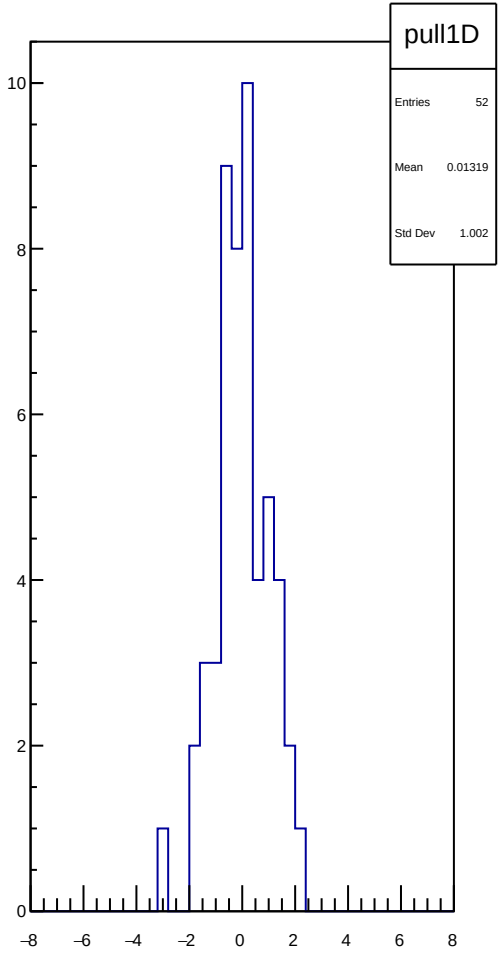
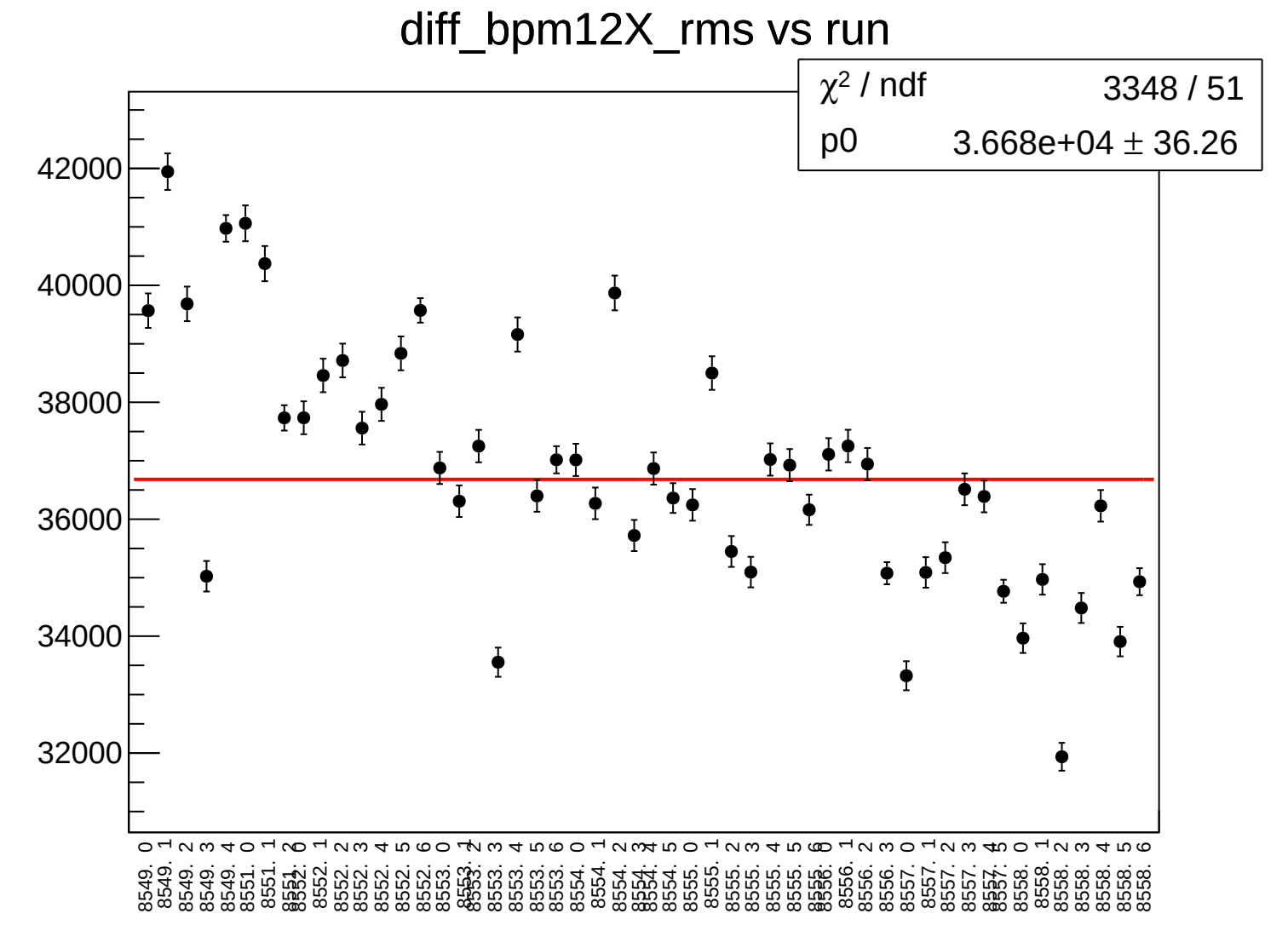
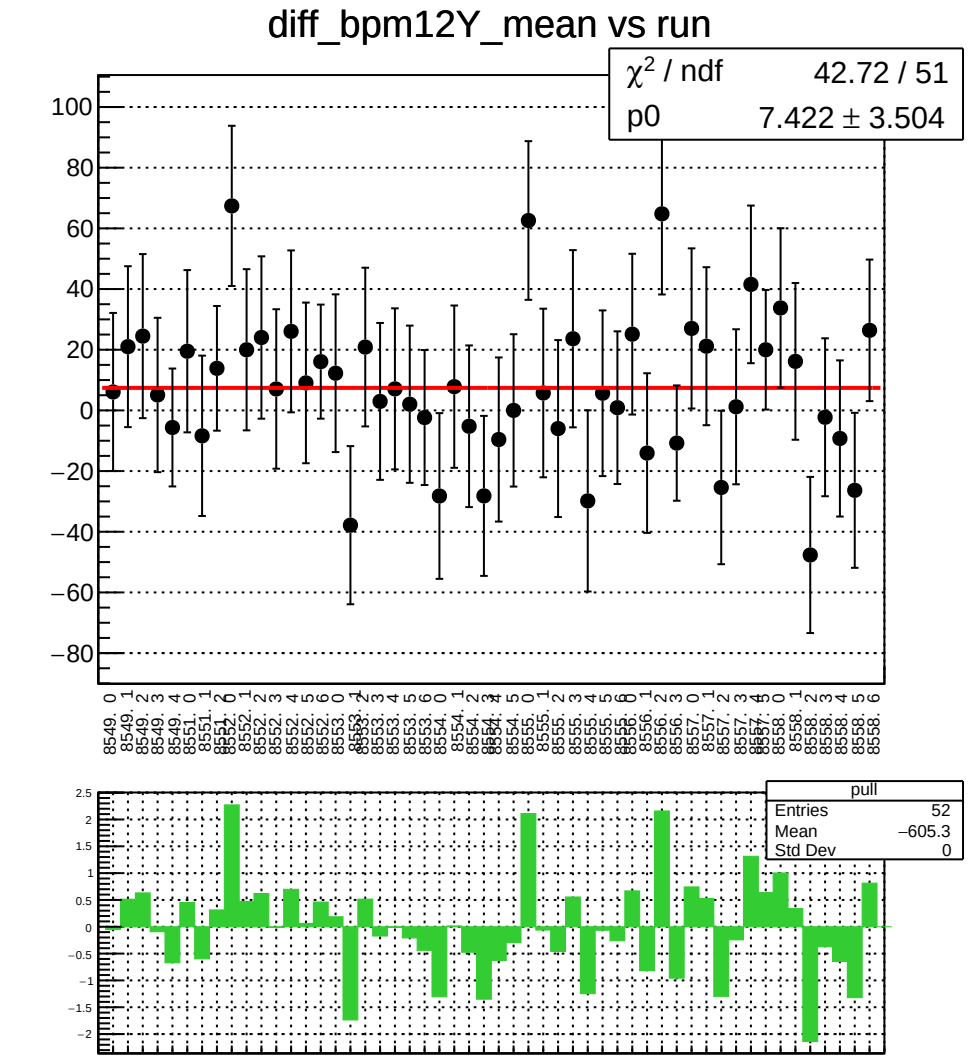
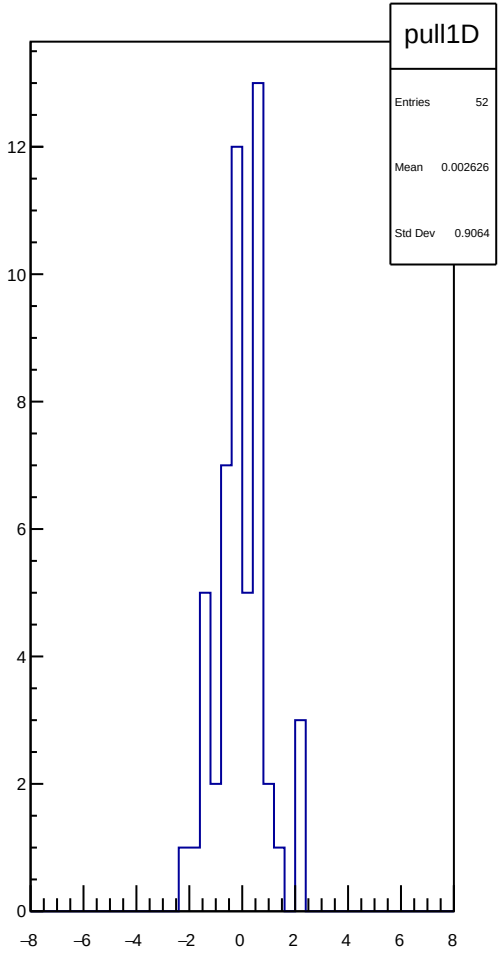
8558. 5
8558. 6

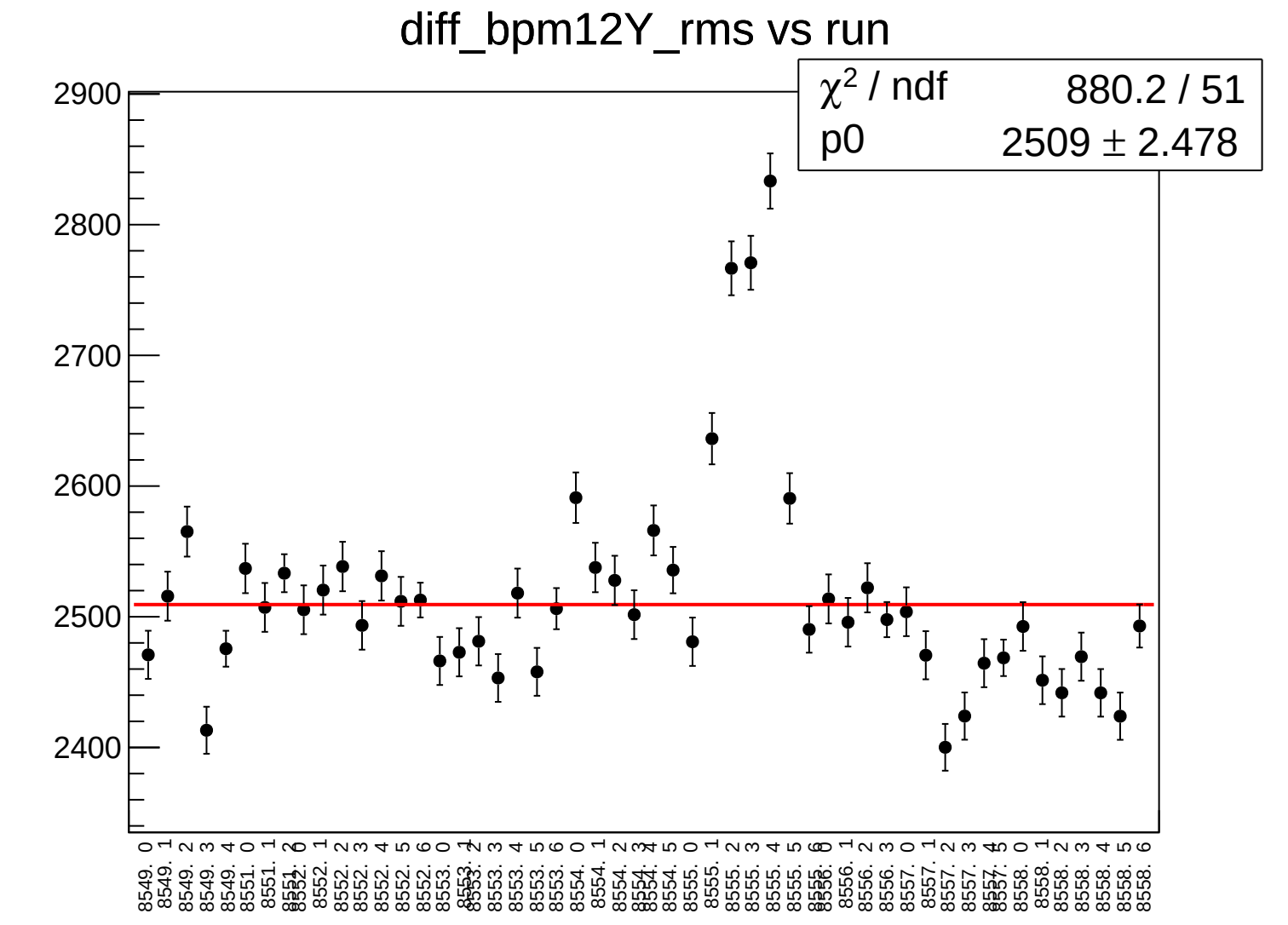

diff_bpm12X_mean vs run
χ^2 / ndf 52.19 / 51
p0 13.36 ± 51.28
1500
1000
500
0
−500
−1000
−1500
pull
Entries 52
Mean 3.367
Std Dev 0
2
1
0
−1
−2
−3

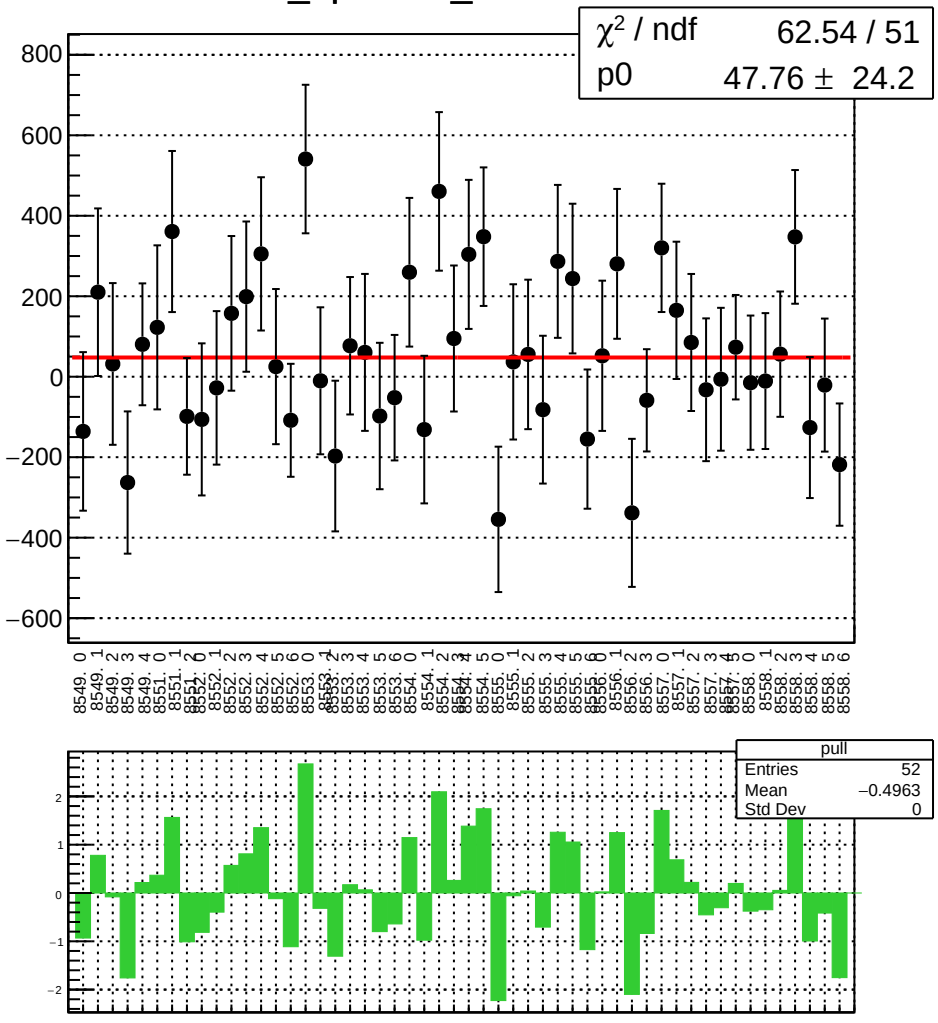

pull1D
Entries 52
Mean 0.01319
Std Dev 1.002
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

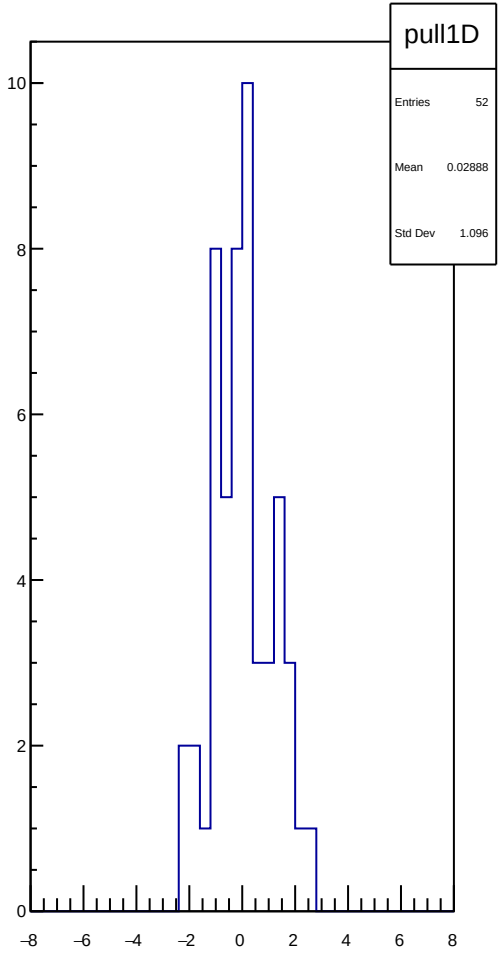

diff_bpm12X_rms vs run
χ² / ndf 3348 / 51
p0 3.668e+04 ± 36.26
42000
40000
38000
36000
34000
32000
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 5
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

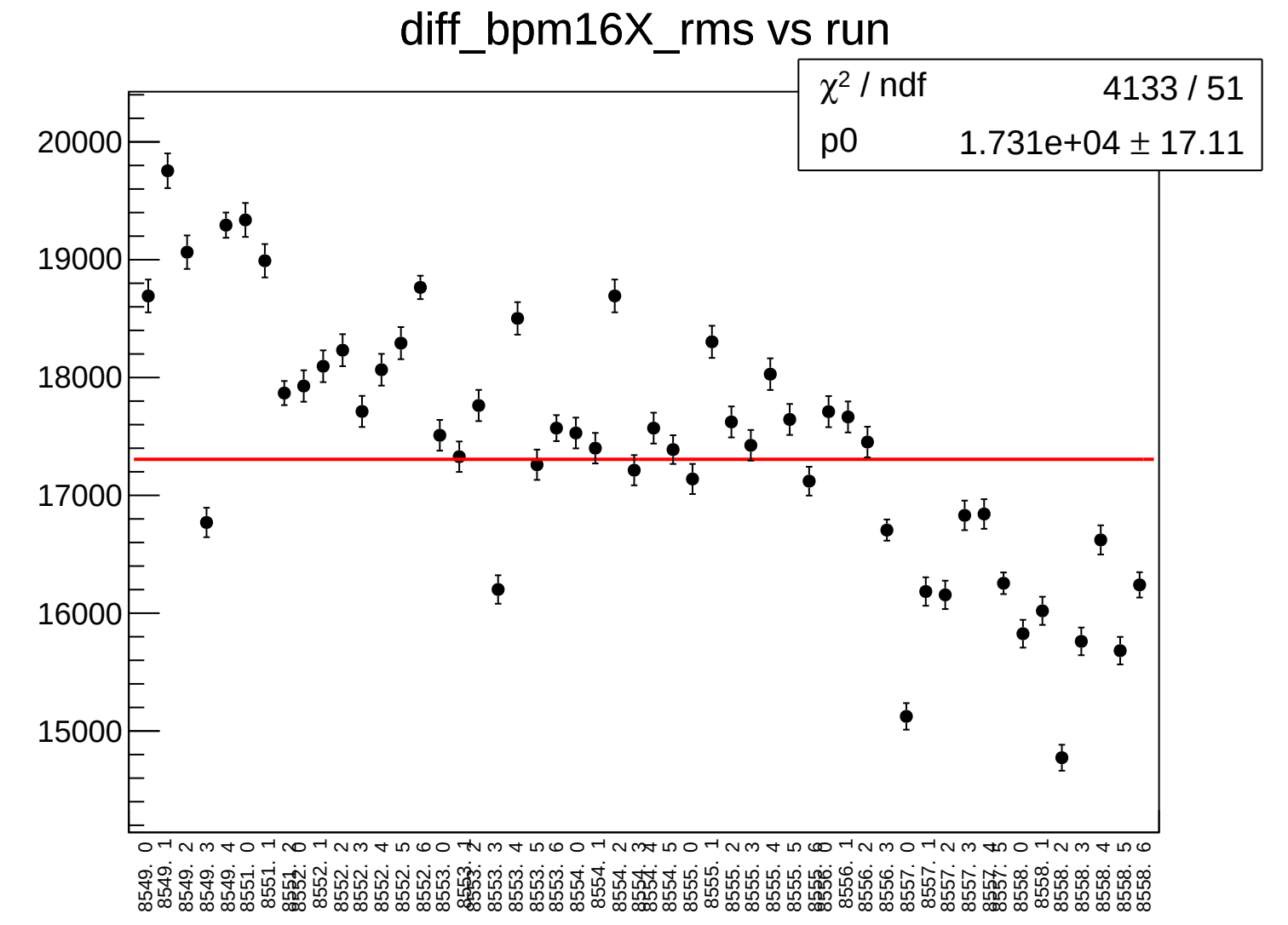

diff_bpm12Y_mean vs run
χ^2 / ndf 42.72 / 51
p0 7.422 ± 3.504
pull
Entries 52
Mean −605.3
Std Dev 0

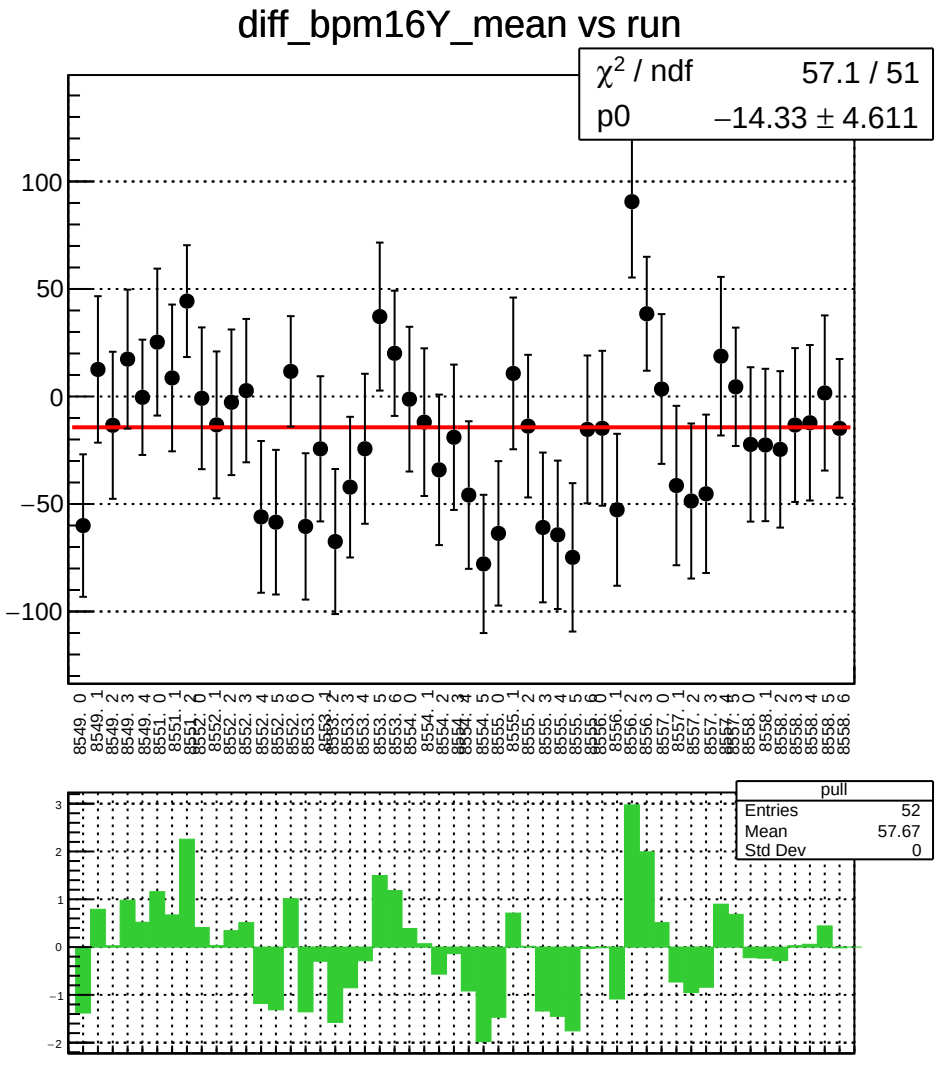

pull1D
Entries 52
Mean 0.002626
Std Dev 0.9064

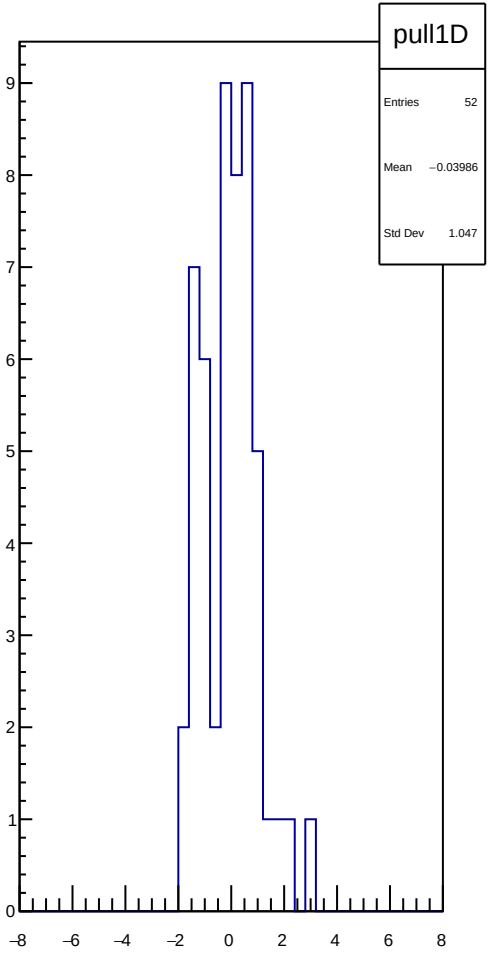

diff_bpm12Y_rms vs run
χ^2 / ndf 880.2 / 51
p0 2509 ± 2.478
2900
2800
2700
2600
2500
2400
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 5
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

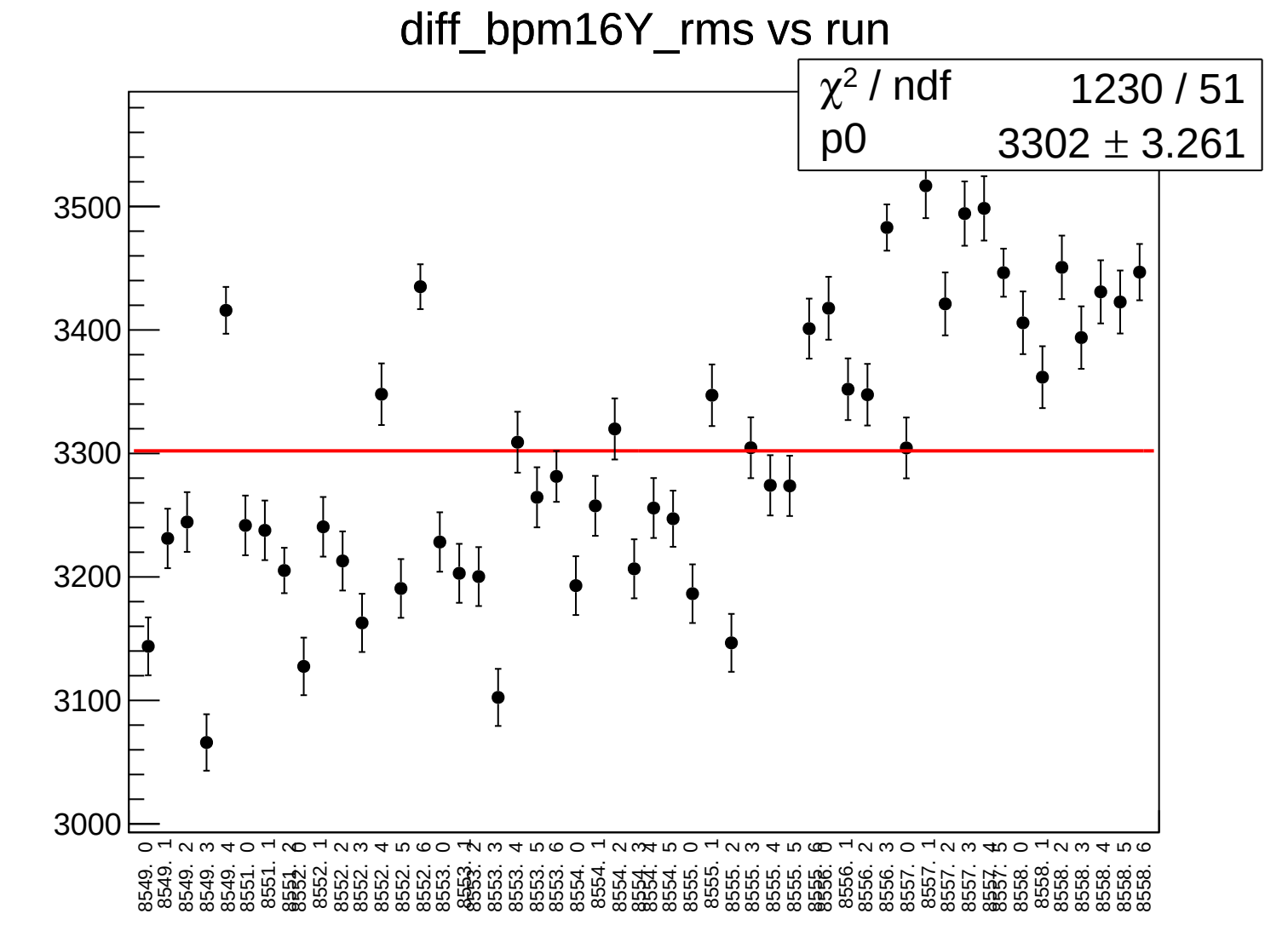

diff_bpm16X_mean vs run
χ² / ndf 62.54 / 51
p0 47.76 ± 24.2
pull
Entries 52
Mean −0.4963
Std Dev 0

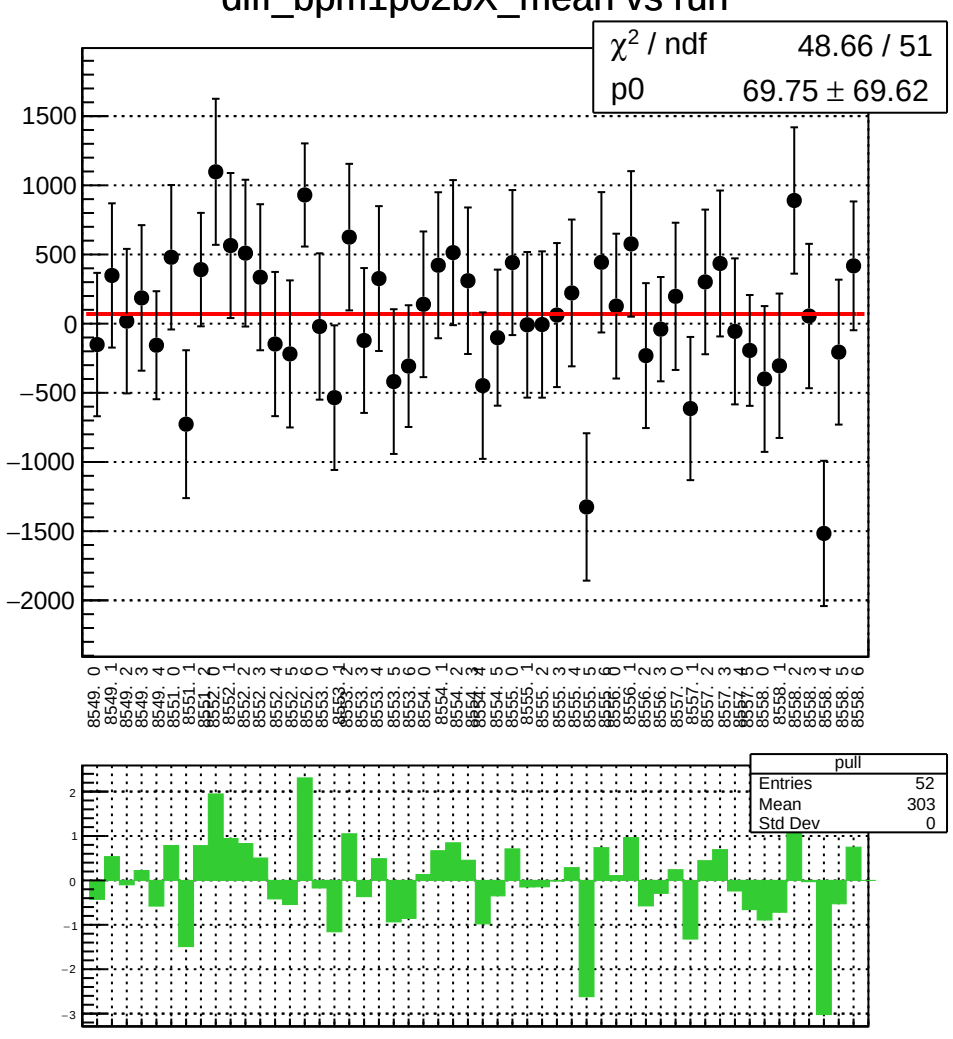

pull1D
Entries 52
Mean 0.02888
Std Dev 1.096

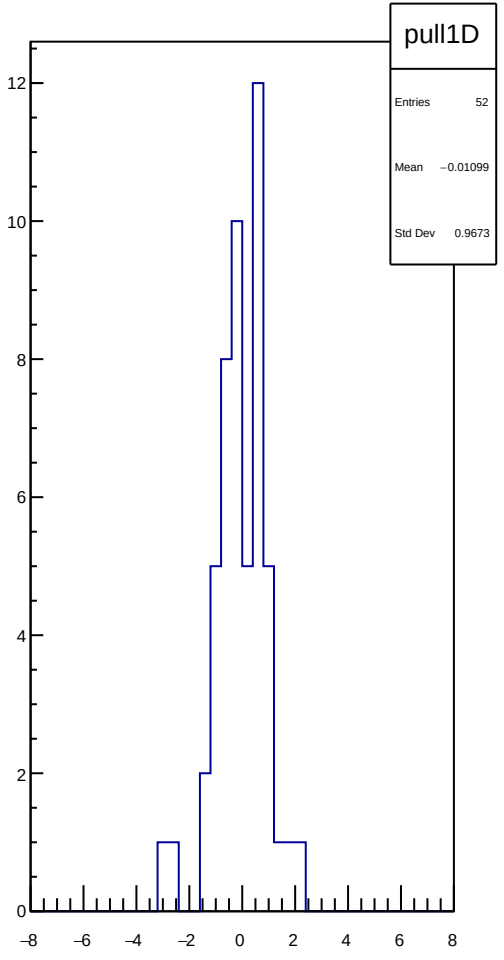

diff_bpm16X_rms vs run
χ² / ndf 4133 / 51
p0 1.731e+04 ± 17.11
20000
19000
18000
17000
16000
15000
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

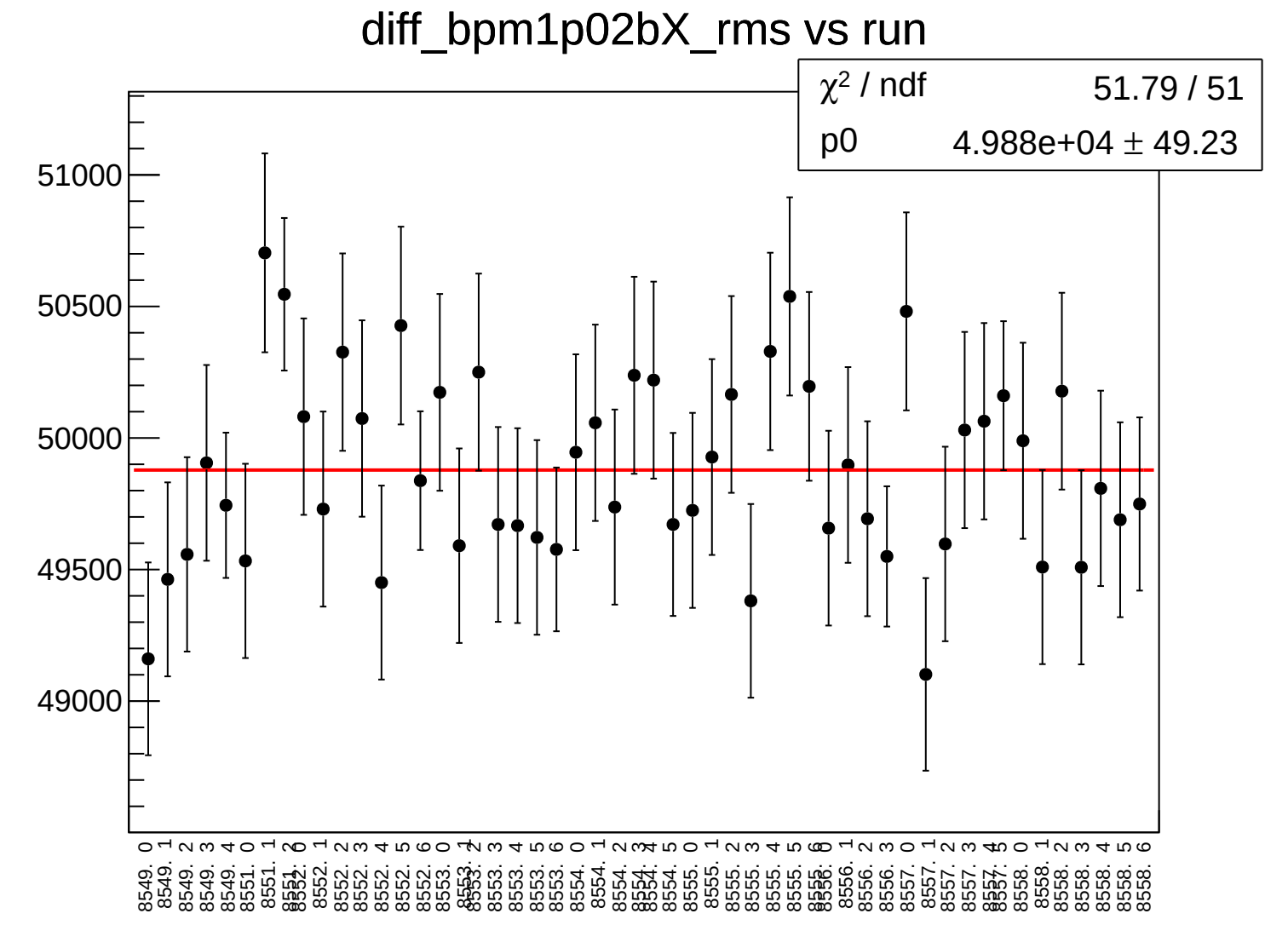

diff_bpm16Y_mean vs run
χ² / ndf 57.1 / 51
p0 −14.33 ± 4.611
100
50
0
−50
−100
pull
Entries 52
Mean 57.67
Std Dev 0
3
2
1
0
−1
−2

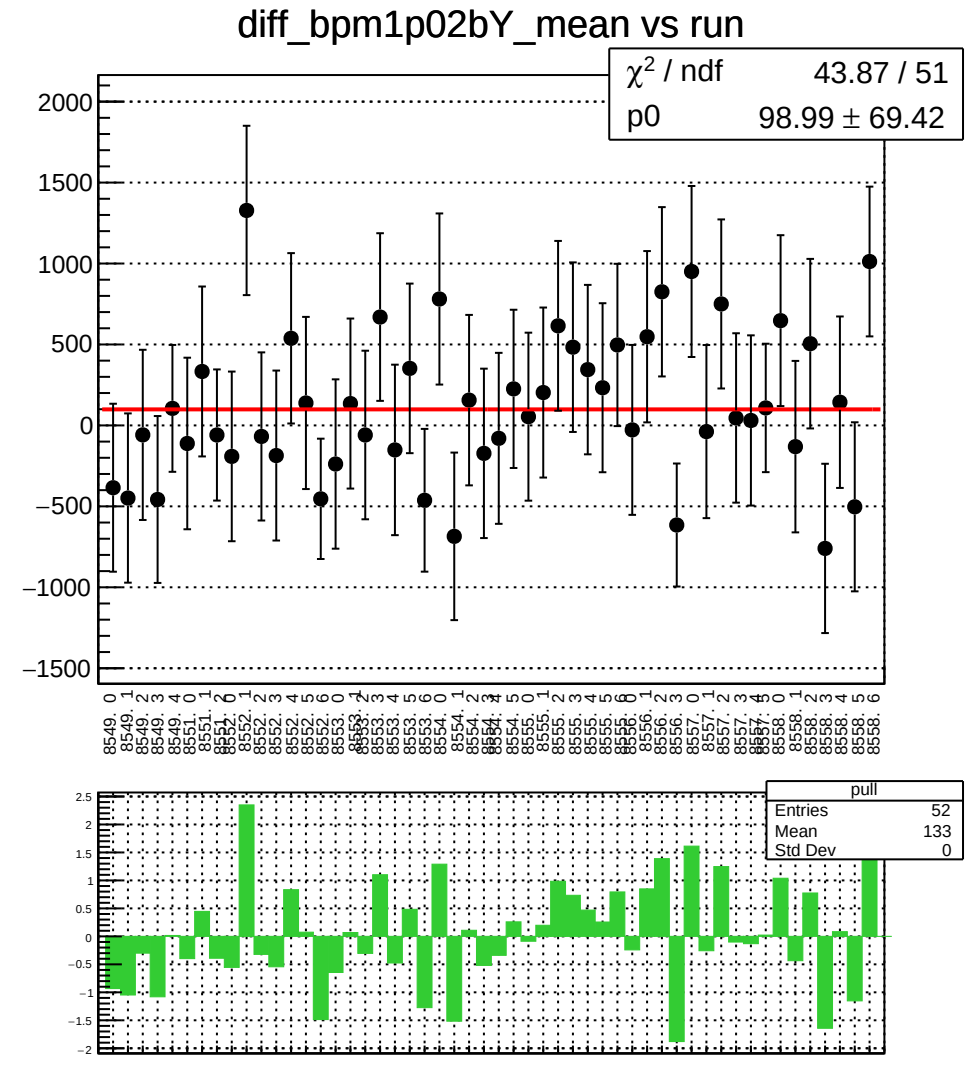

pull1D
Entries 52
Mean −0.03986
Std Dev 1.047
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

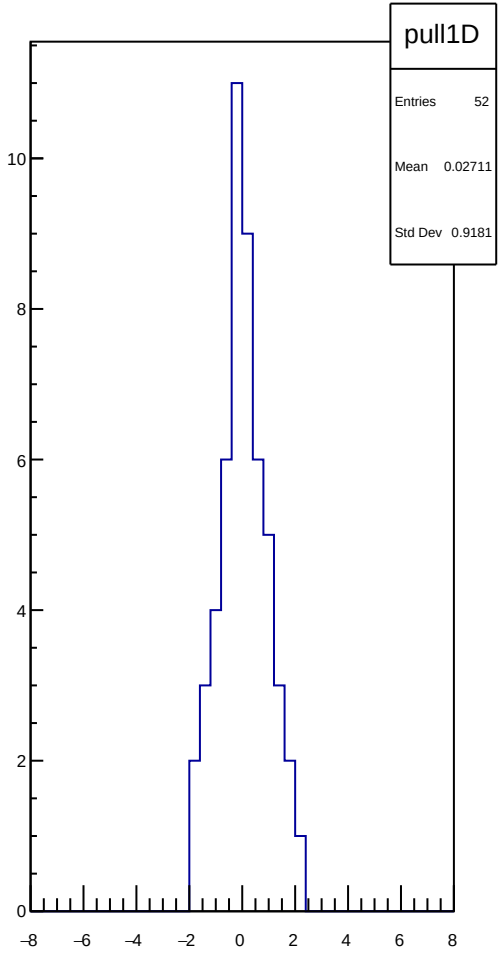

diff_bpm16Y_rms vs run
χ² / ndf 1230 / 51
p0 3302 ± 3.261
3500
3400
3300
3200
3100
3000
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

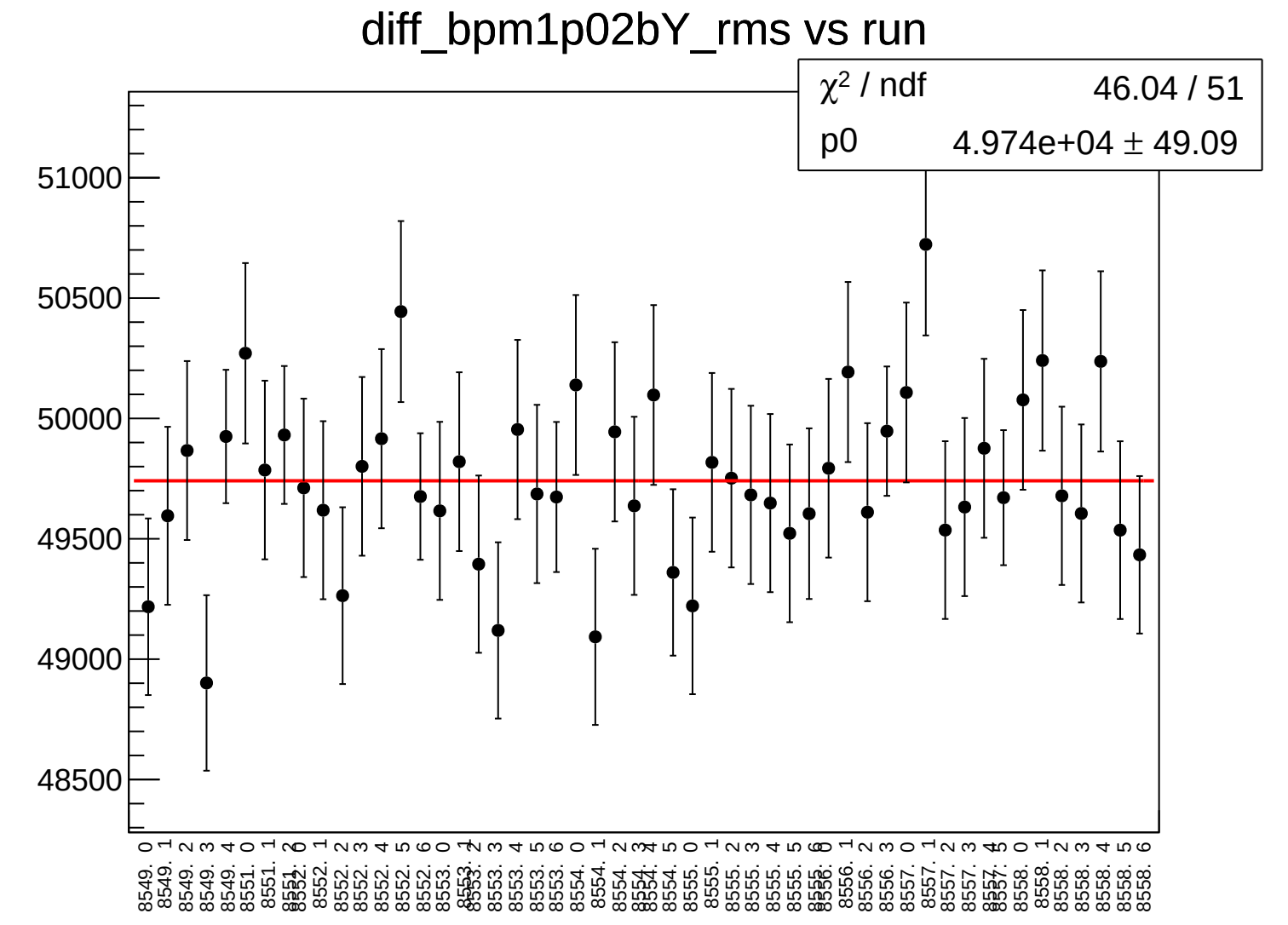

diff_bpm1p02bX_mean vs run
χ² / ndf 48.66 / 51
p0 69.75 ± 69.62
pull
Entries 52
Mean 303
Std Dev 0

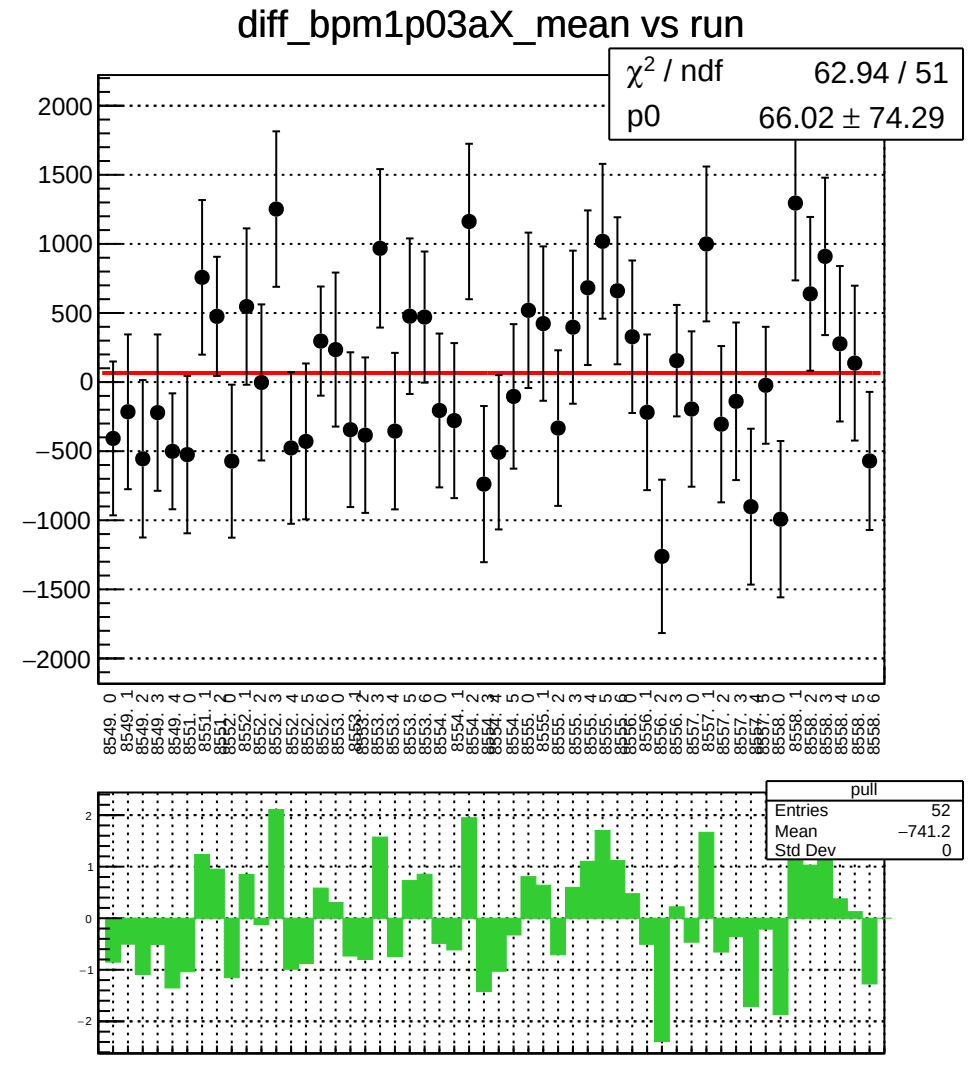

pull1D
Entries 52
Mean −0.01099
Std Dev 0.9673

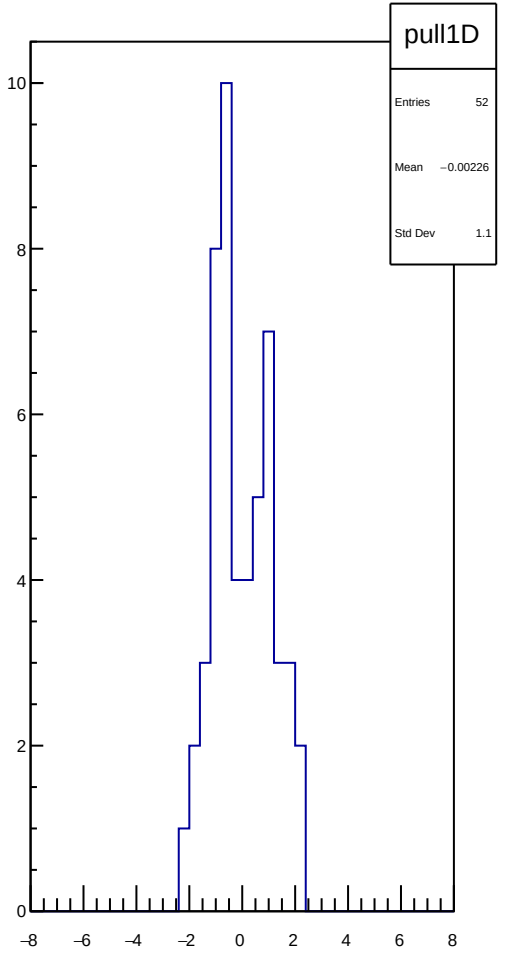

diff_bpm1p02bX_rms vs run
χ² / ndf 51.79 / 51
p0 4.988e+04 ± 49.23
51000
50500
50000
49500
49000
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

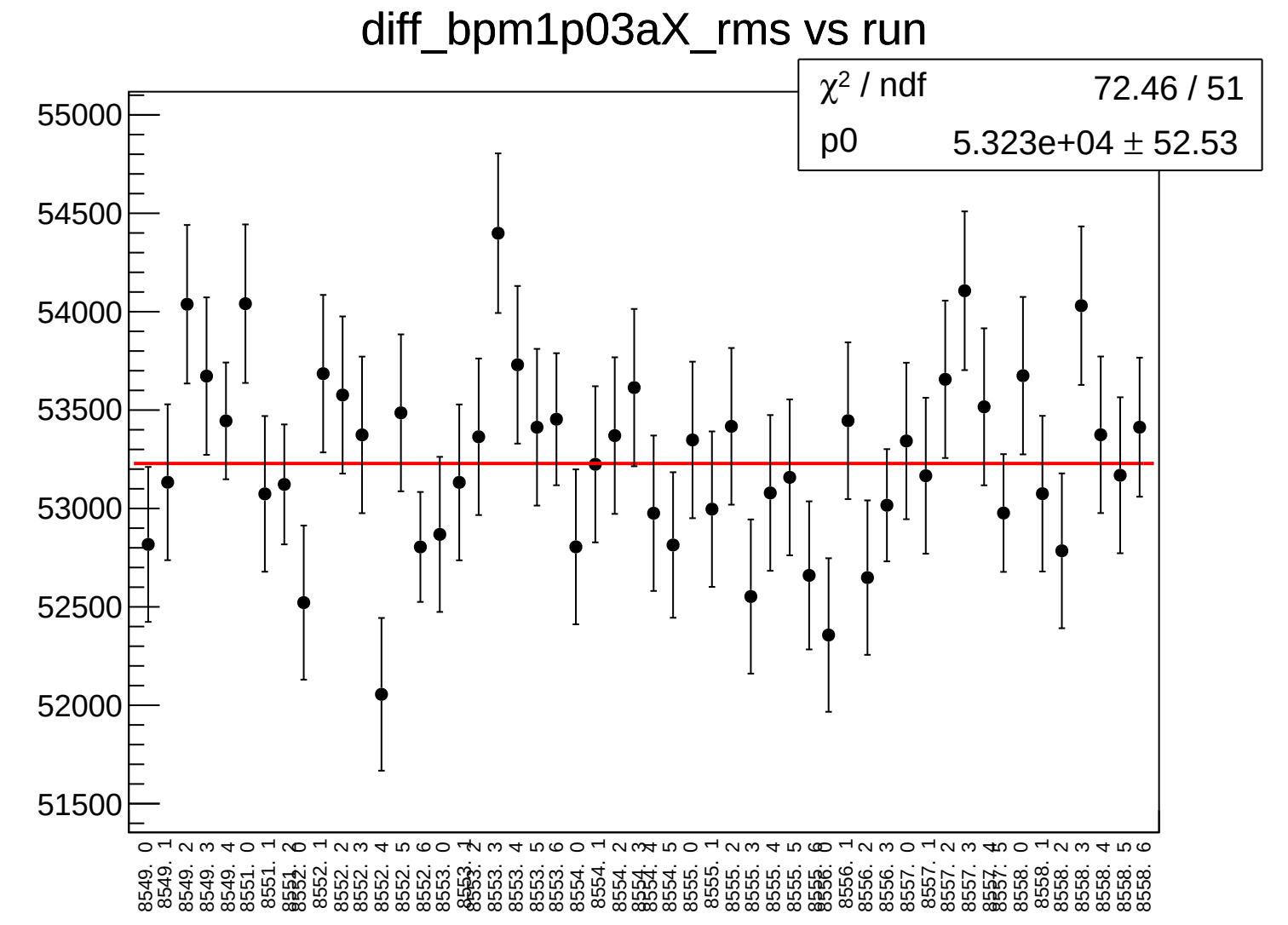

diff_bpm1p02bY_mean vs run
χ^2 / ndf 43.87 / 51
p0 98.99 ± 69.42
pull
Entries 52
Mean 133
Std Dev 0

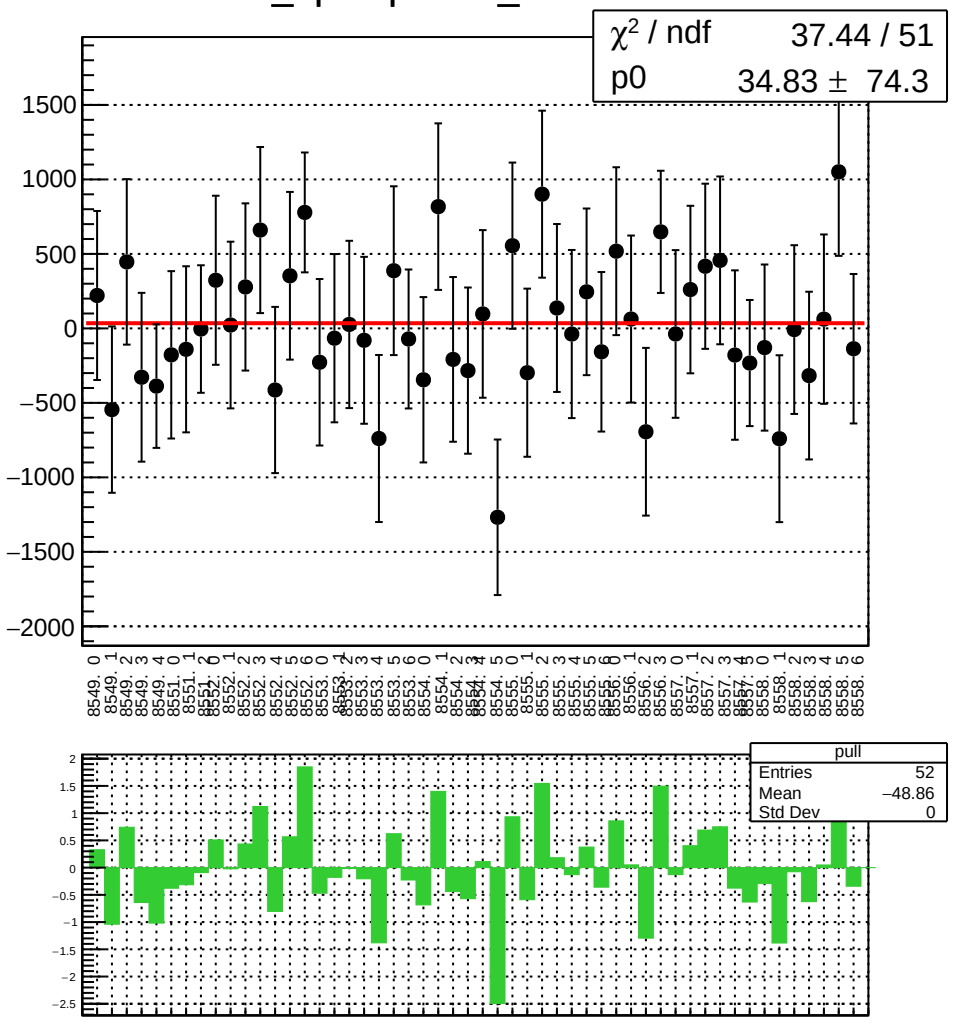

pull1D
Entries 52
Mean 0.02711
Std Dev 0.9181

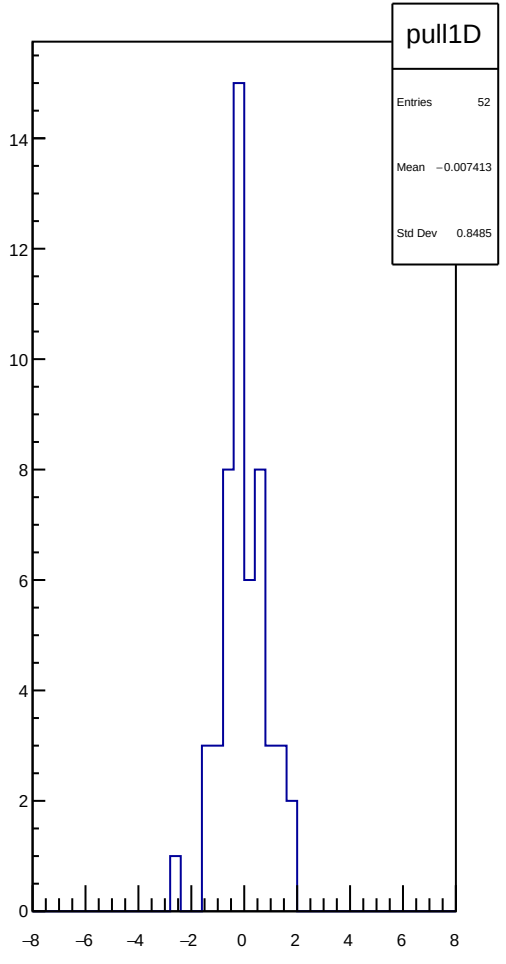

diff_bpm1p02bY_rms vs run
χ² / ndf 46.04 / 51
p0 4.974e+04 ± 49.09
51000
50500
50000
49500
49000
48500
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 5
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

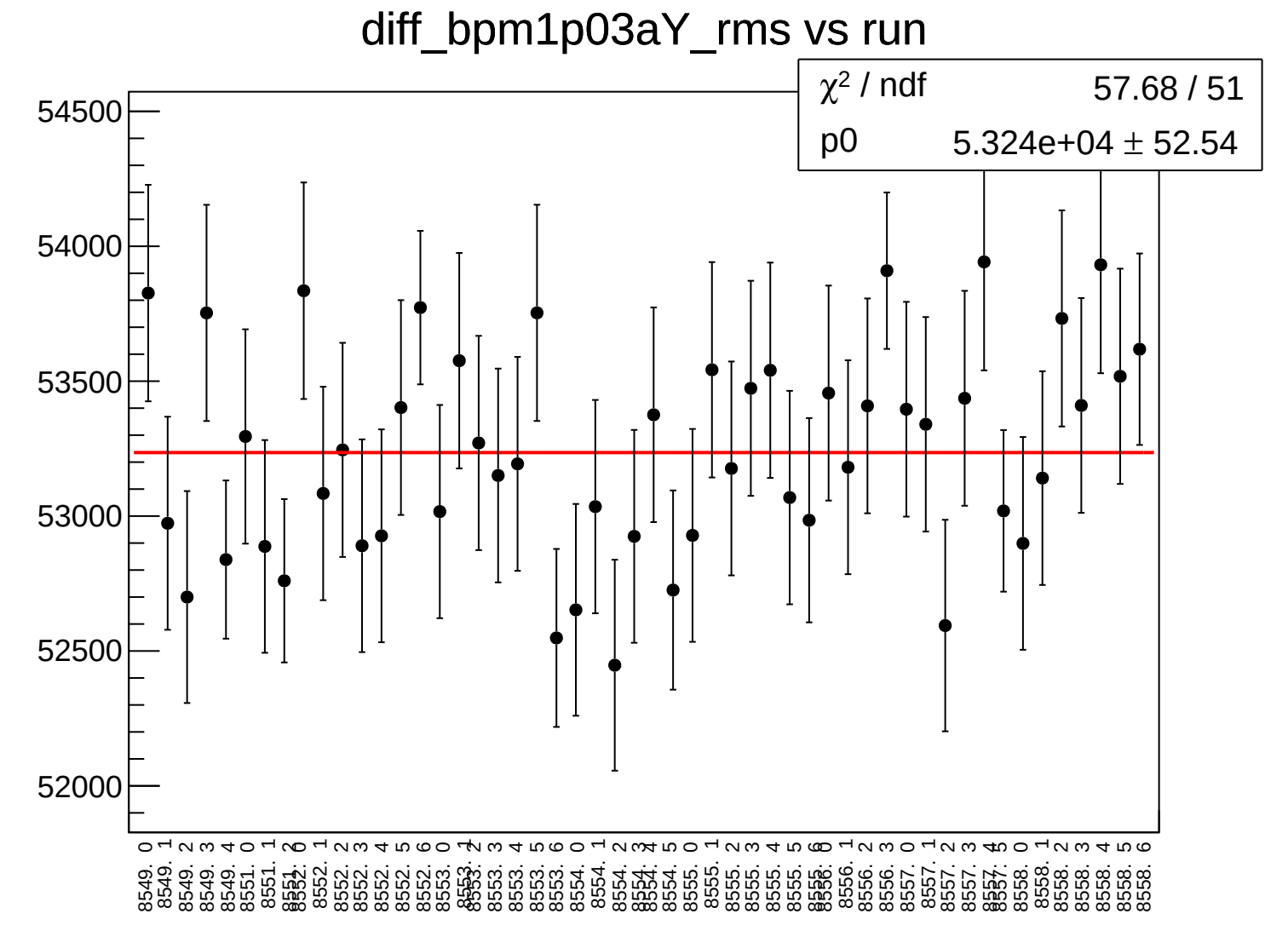

diff_bpm1p03aX_mean vs run
χ² / ndf 62.94 / 51
p0 66.02 ± 74.29
pull
Entries 52
Mean −741.2
Std Dev 0

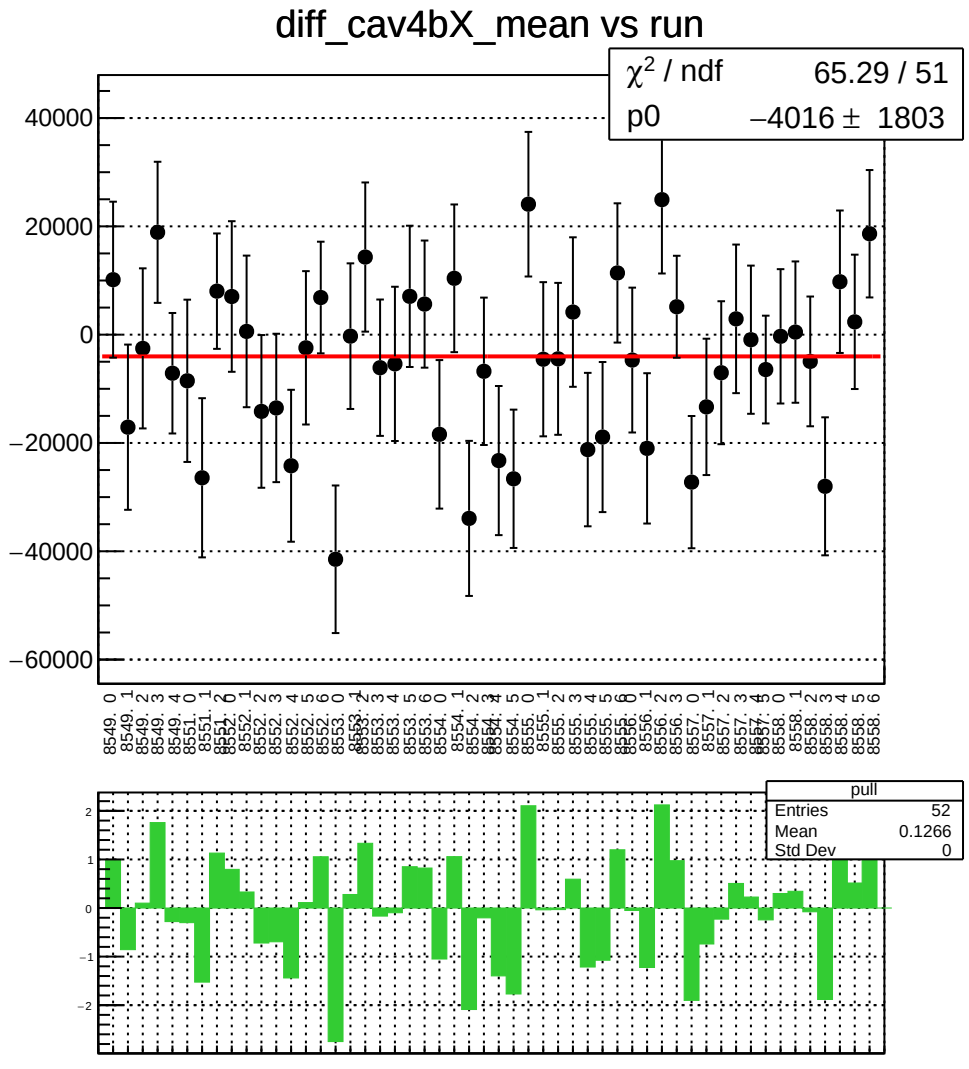

pull1D
Entries 52
Mean −0.00226
Std Dev 1.1

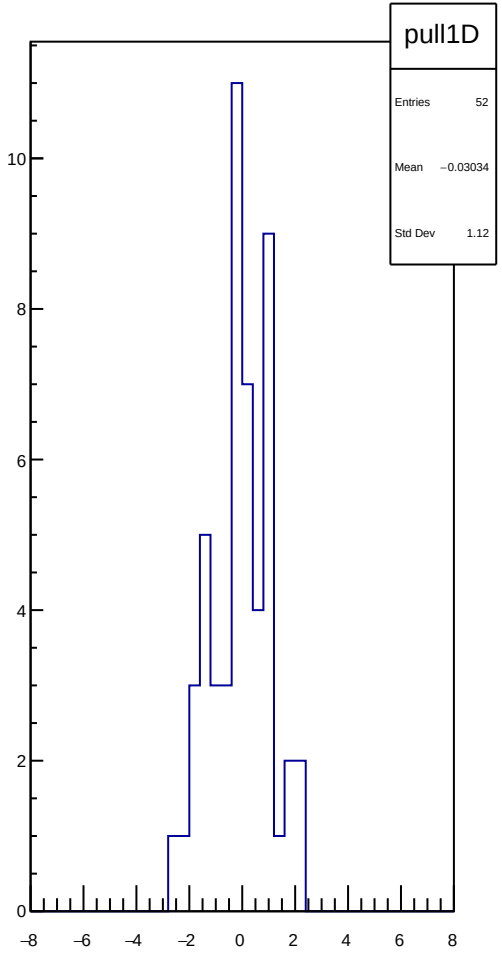

diff_bpm1p03aX_rms vs run
χ² / ndf 72.46 / 51
p0 5.323e+04 ± 52.53
55000
54500
54000
53500
53000
52500
52000
51500
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 5
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

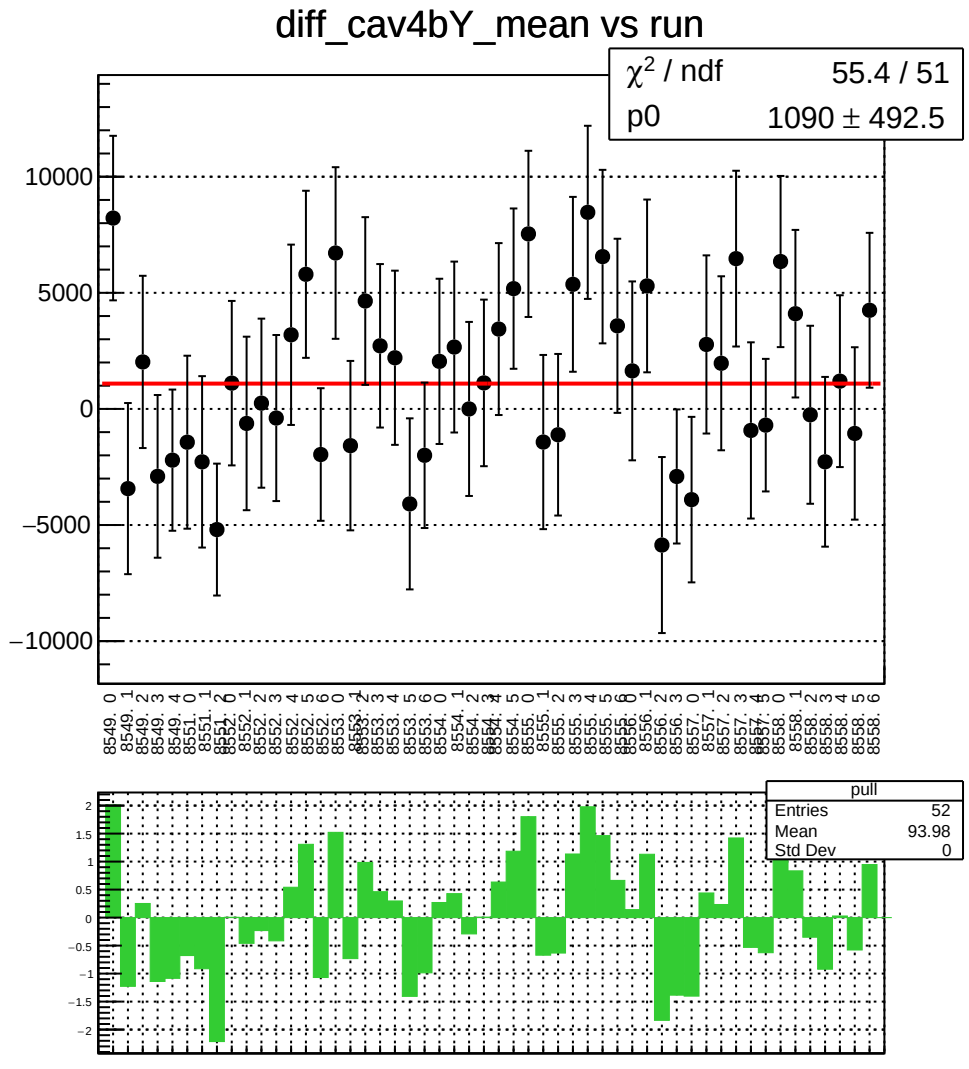

diff_bpm1p03aY_mean vs run
χ² / ndf 37.44 / 51
p0 34.83 ± 74.3
pull
Entries 52
Mean −48.86
Std Dev 0

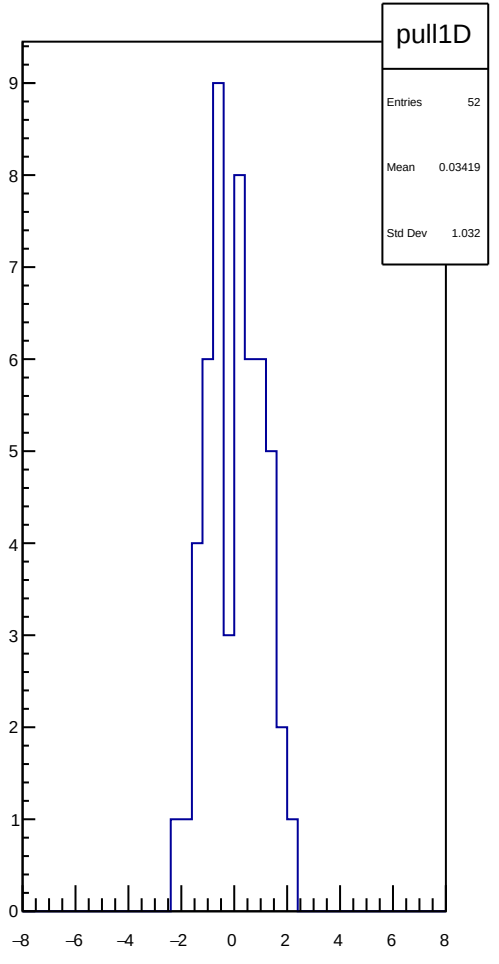

pull1D
Entries 52
Mean −0.007413
Std Dev 0.8485

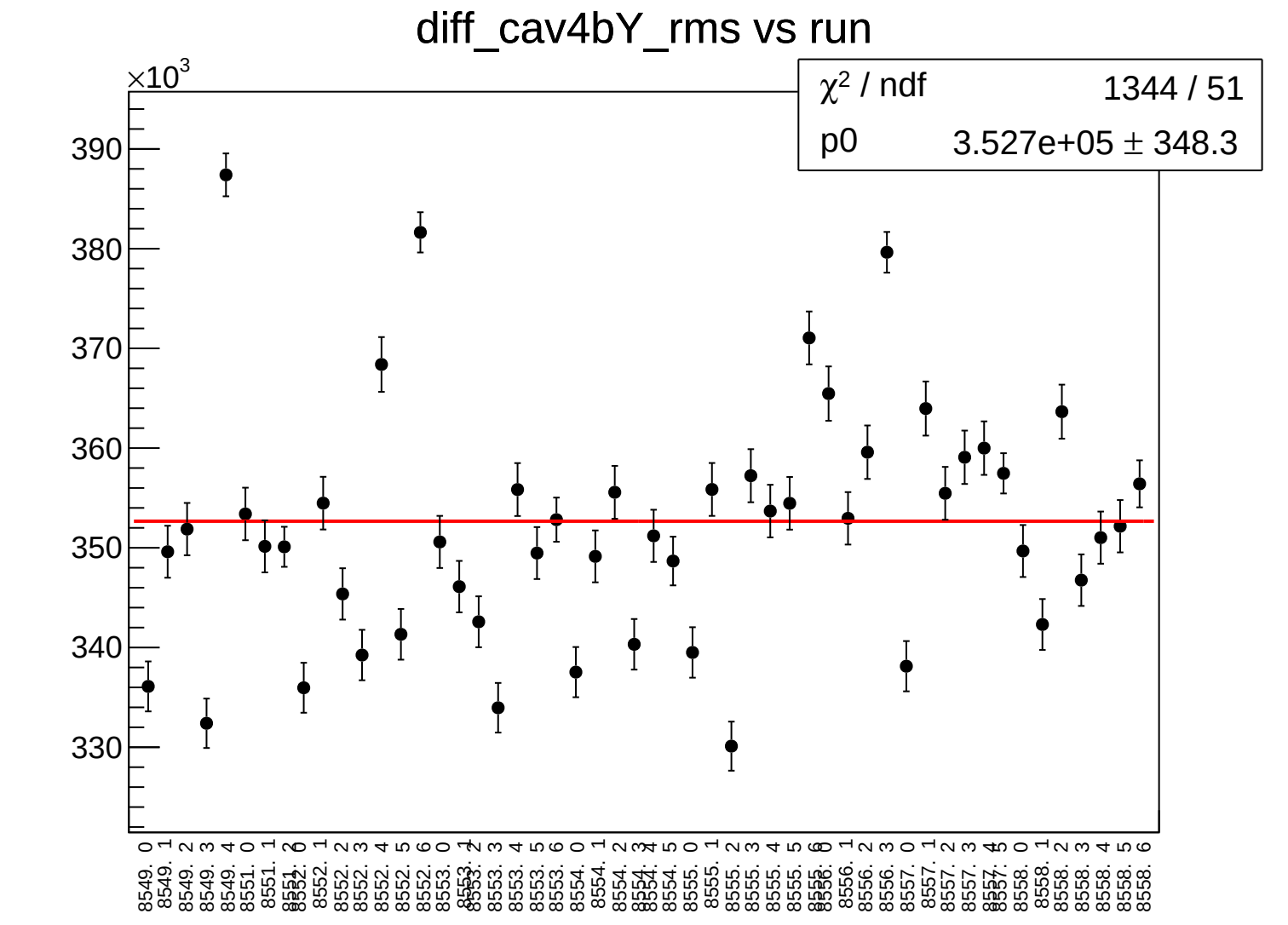

diff_bpm1p03aY_rms vs run
χ² / ndf 57.68 / 51
p0 5.324e+04 ± 52.54
54500
54000
53500
53000
52500
52000
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

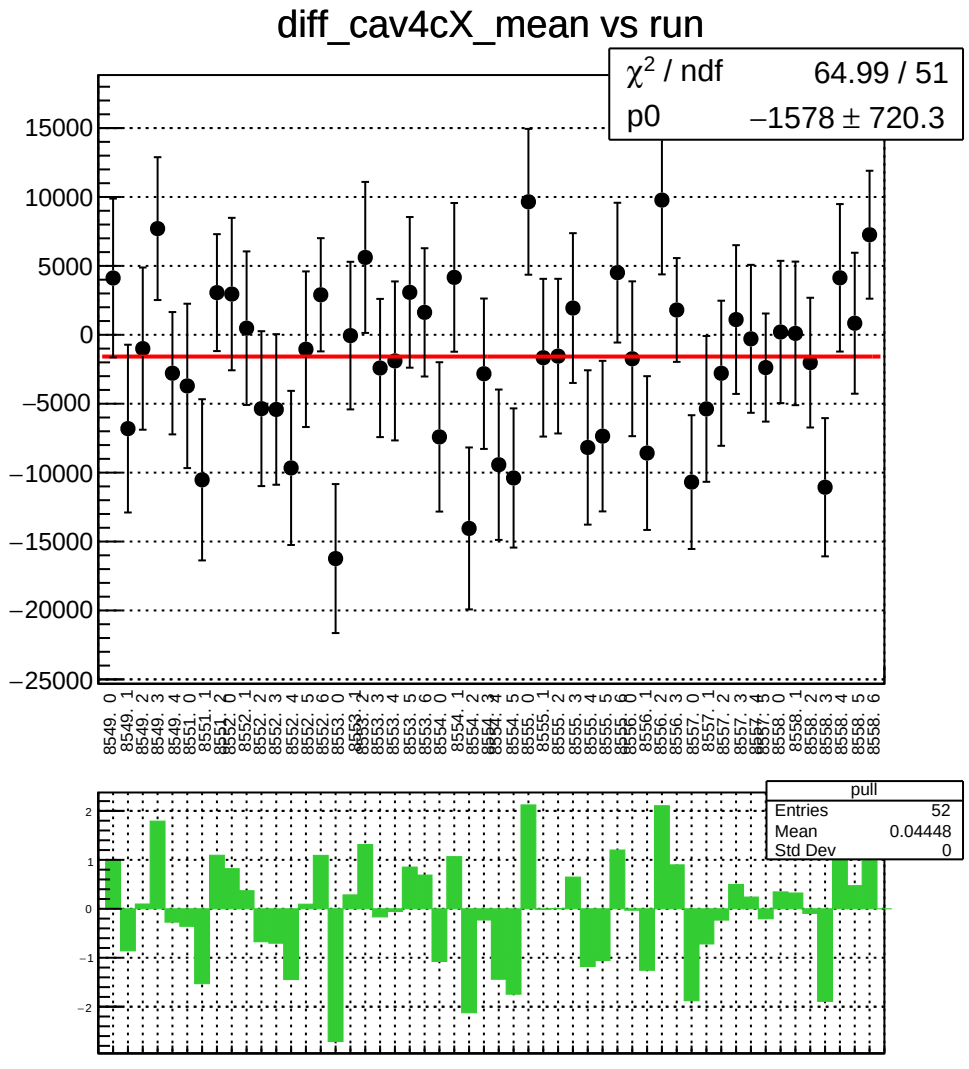

diff_cav4bX_mean vs run
χ² / ndf 65.29 / 51
p0 −4016 ± 1803
40000
20000
0
−20000
−40000
−60000
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8551. 2
8551. 6
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 1
8553. 2
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 3
8554. 4
8554. 5
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8555. 6
8556. 0
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8557. 4
8557. 5
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6
pull
Entries 52
Mean 0.1266
Std Dev 0
2
1
0
−1
−2

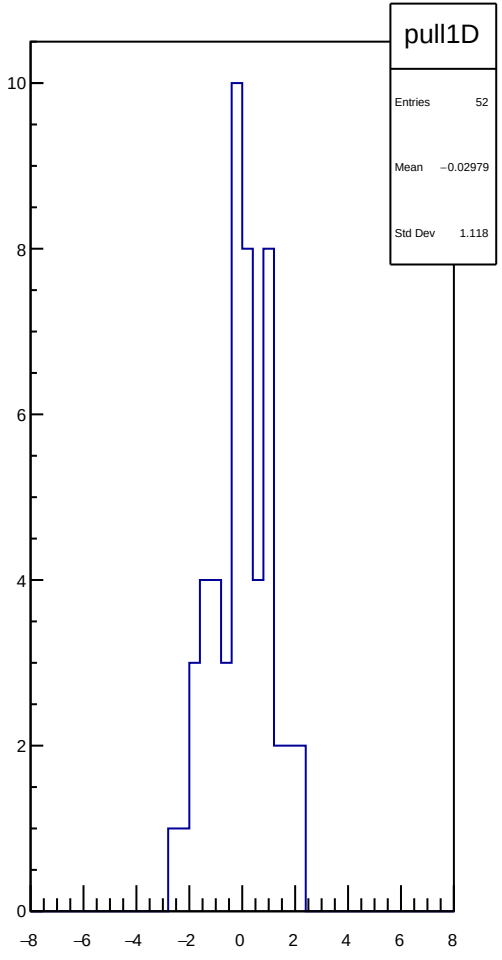

pull1D
Entries 52
Mean −0.03034
Std Dev 1.12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

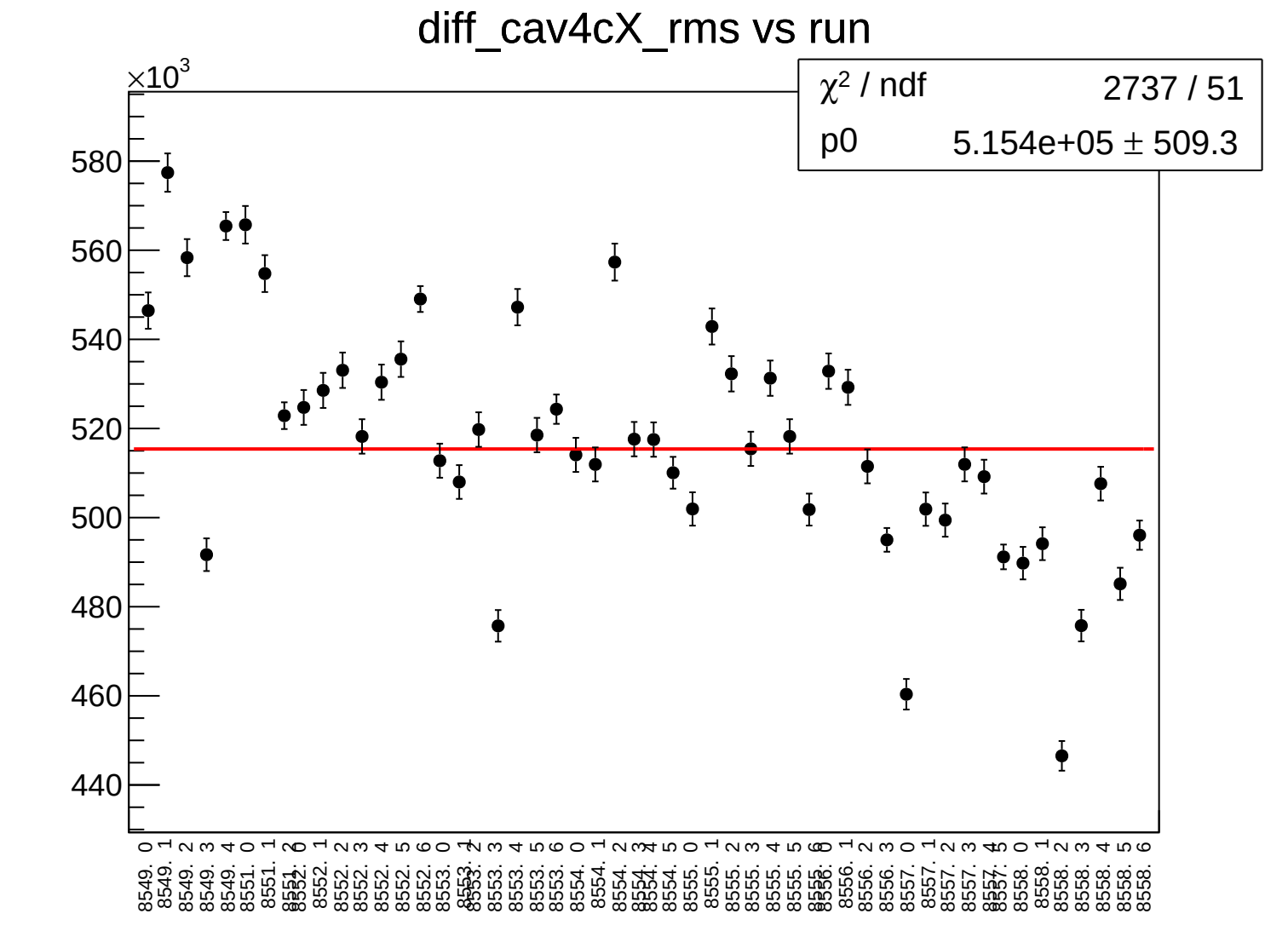

diff_cav4bY_mean vs run
χ² / ndf 55.4 / 51
p0 1090 ± 492.5
10000
5000
0
−5000
−10000
pull
Entries 52
Mean 93.98
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

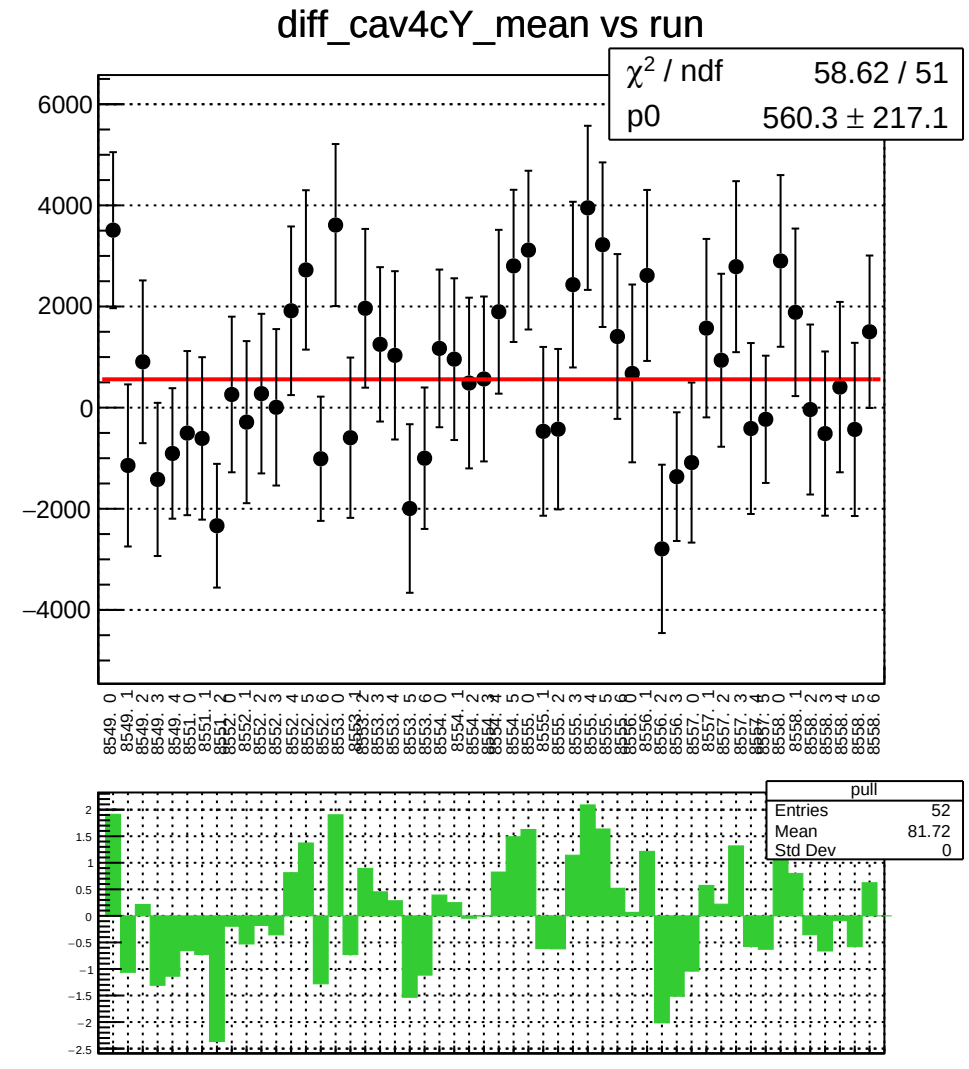

pull1D
Entries 52
Mean 0.03419
Std Dev 1.032
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

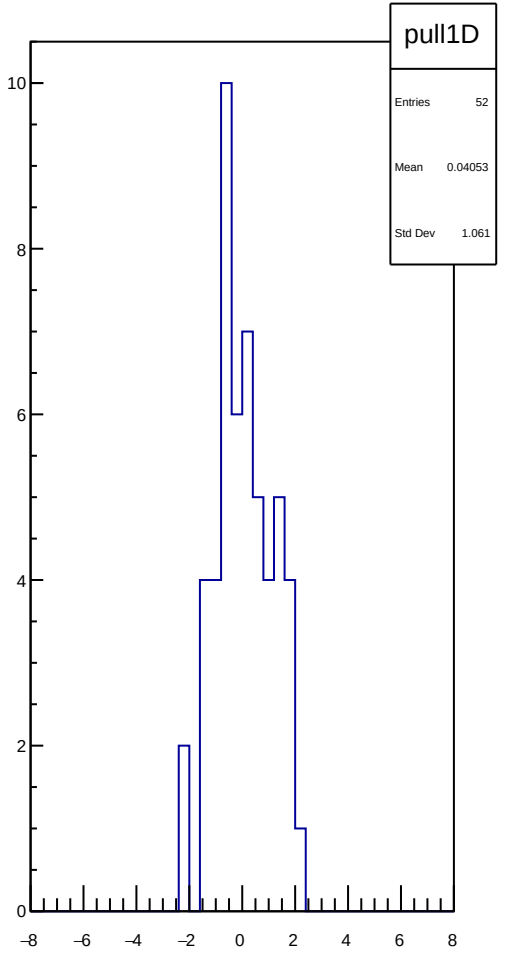

diff_cav4bY_rms vs run
×10^3
390
380
370
360
350
340
330
χ² / ndf 1344 / 51
p0 3.527e+05 ± 348.3
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 5
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

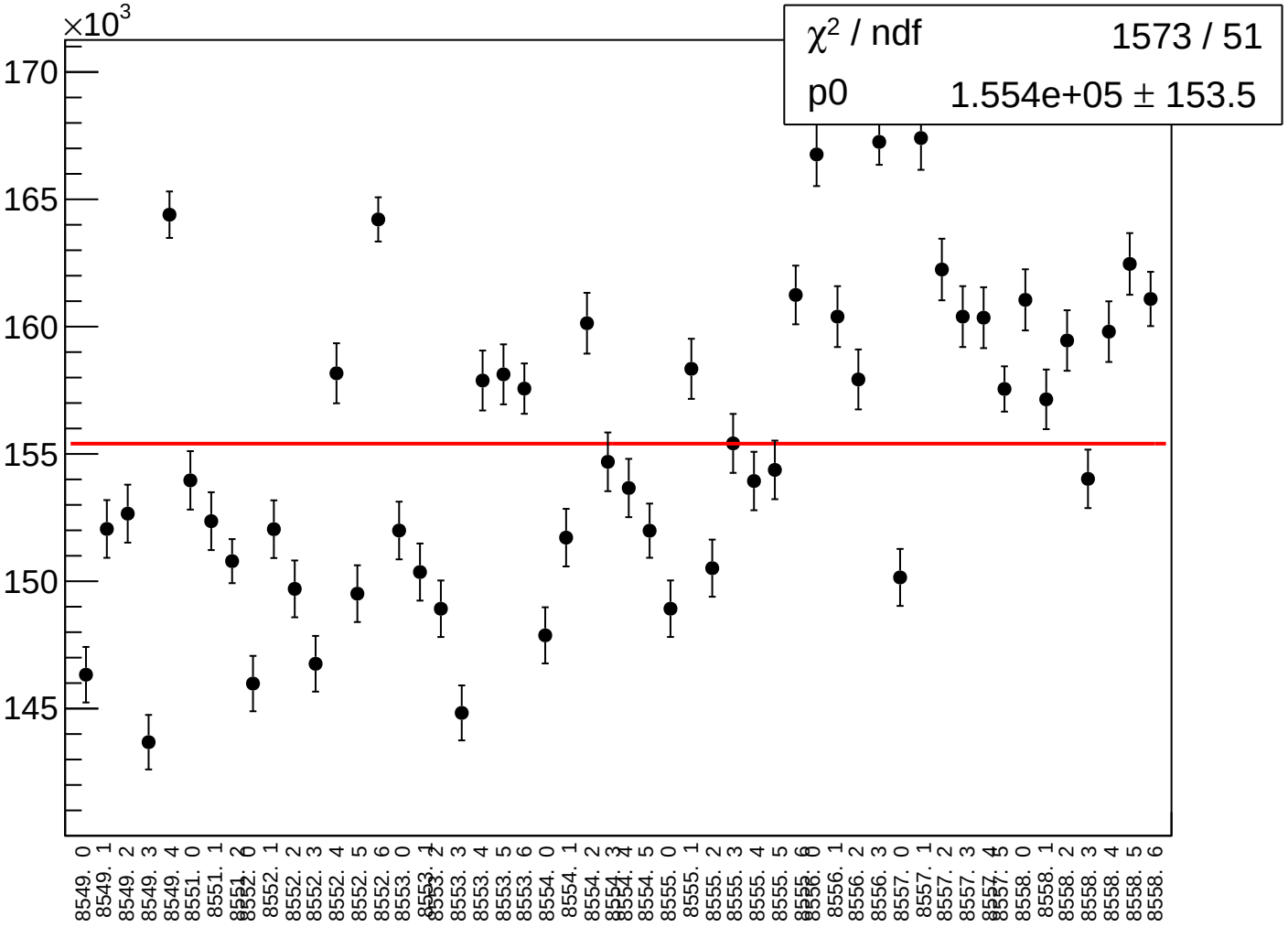

diff_cav4cX_mean vs run
χ² / ndf 64.99 / 51
p0 −1578 ± 720.3
pull
Entries 52
Mean 0.04448
Std Dev 0

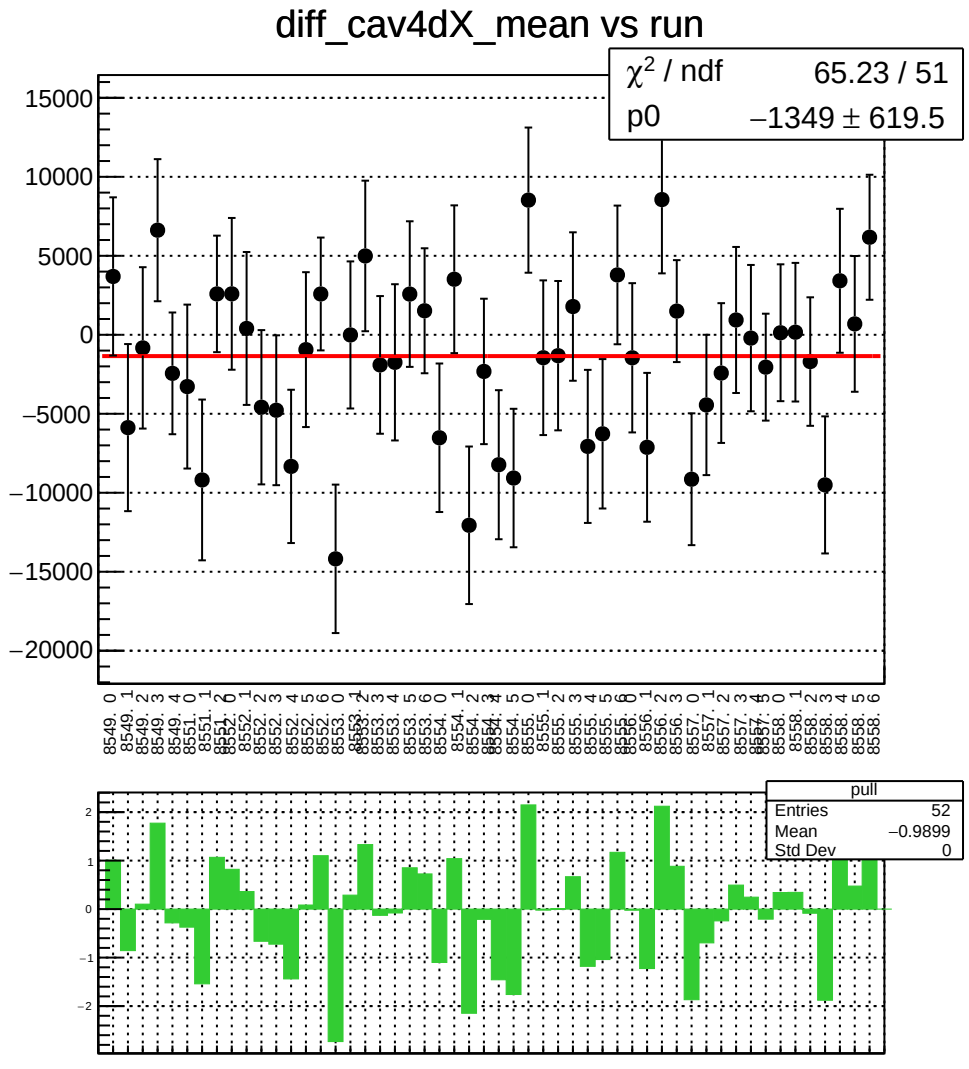

pull1D
Entries 52
Mean −0.02979
Std Dev 1.118

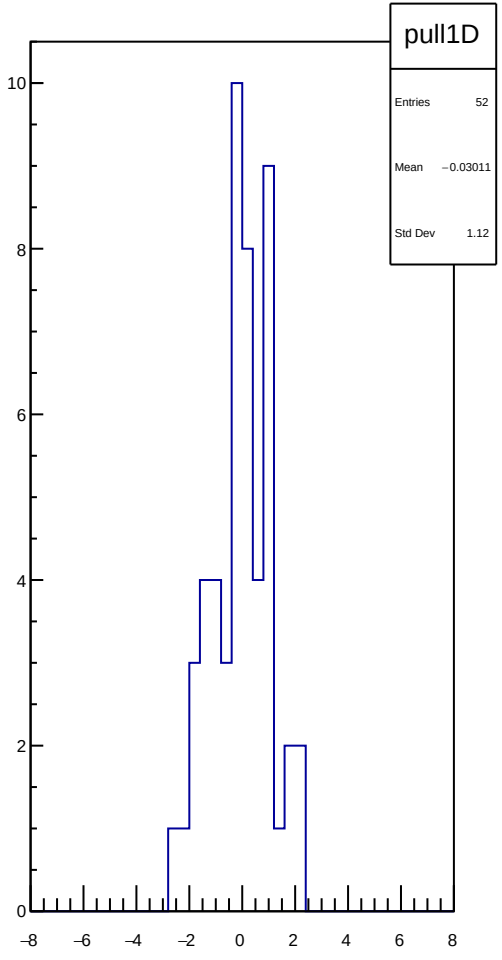

diff_cav4cX_rms vs run
×10^3
χ² / ndf 2737 / 51
p0 5.154e+05 ± 509.3
580
560
540
520
500
480
460
440
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

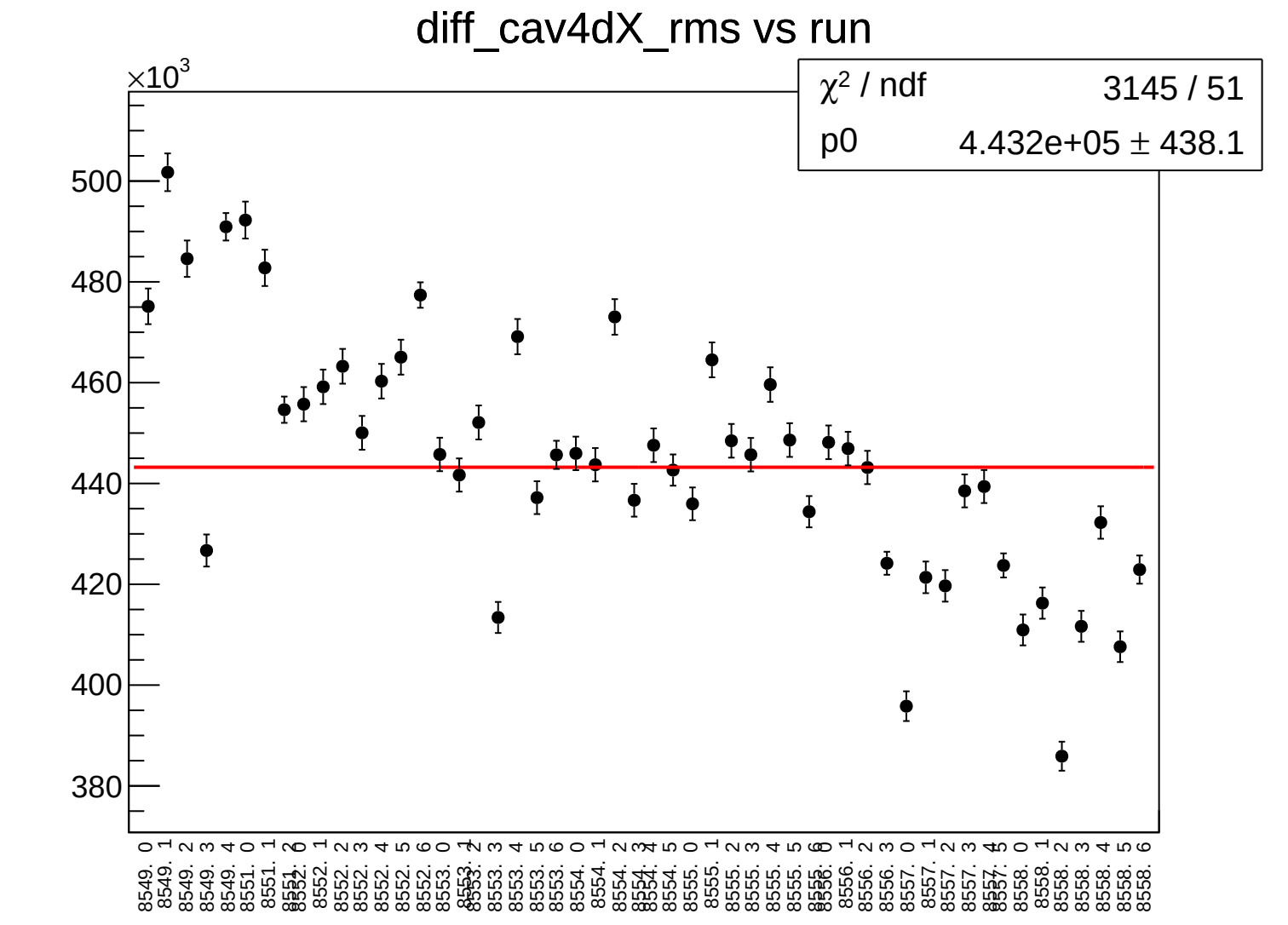

diff_cav4cY_mean vs run
χ² / ndf 58.62 / 51
p0 560.3 ± 217.1
6000
4000
2000
0
−2000
−4000
pull
Entries 52
Mean 81.72
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

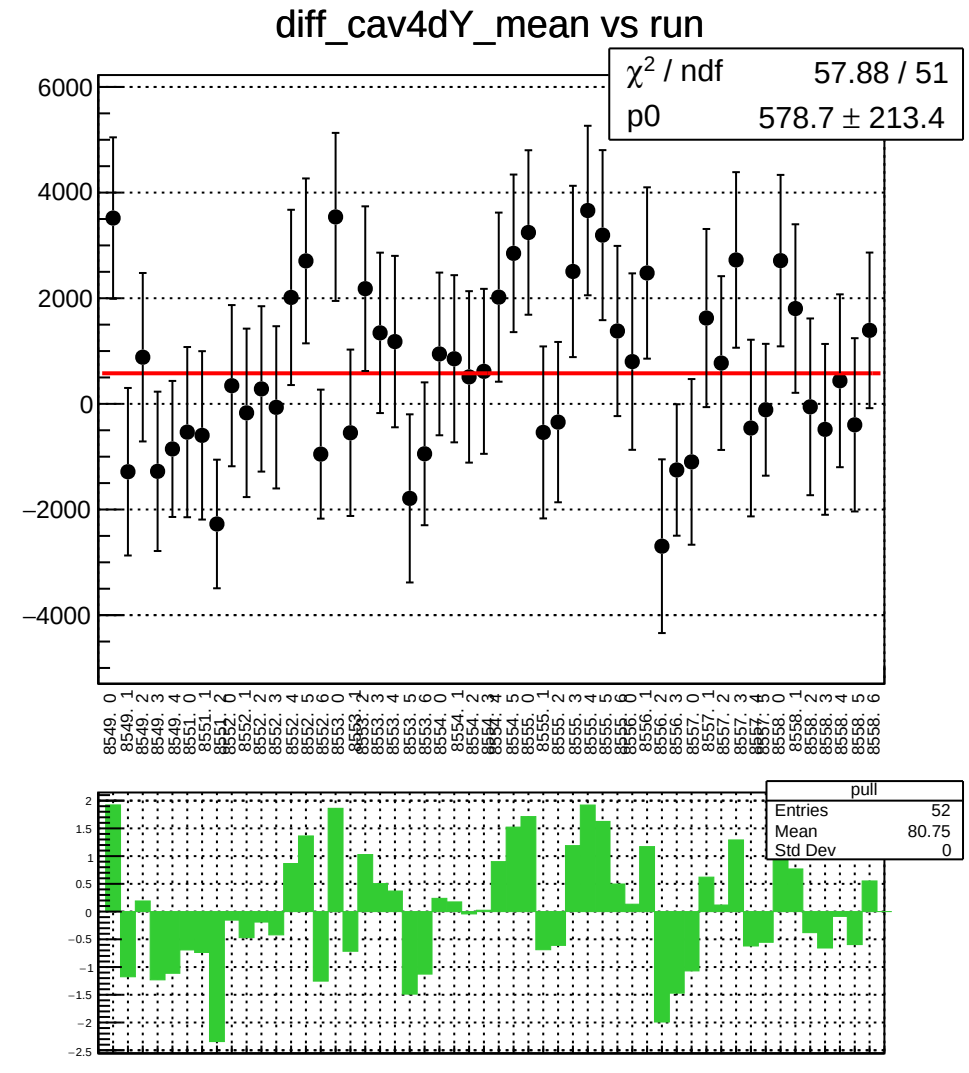

pull1D
Entries 52
Mean 0.04053
Std Dev 1.061
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

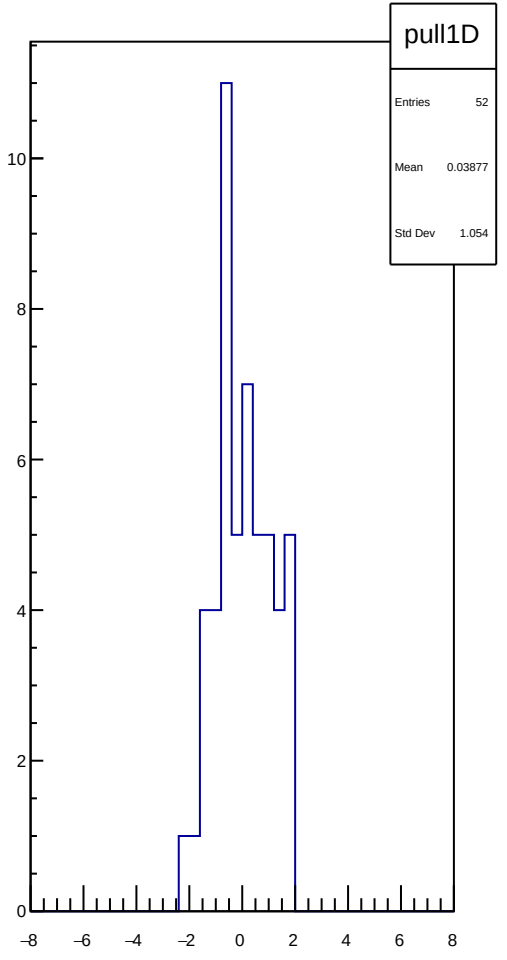

diff_cav4cY_rms vs run
×10^3
χ² / ndf 1573 / 51
p0 1.554e+05 ± 153.5
170
165
160
155
150
145
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

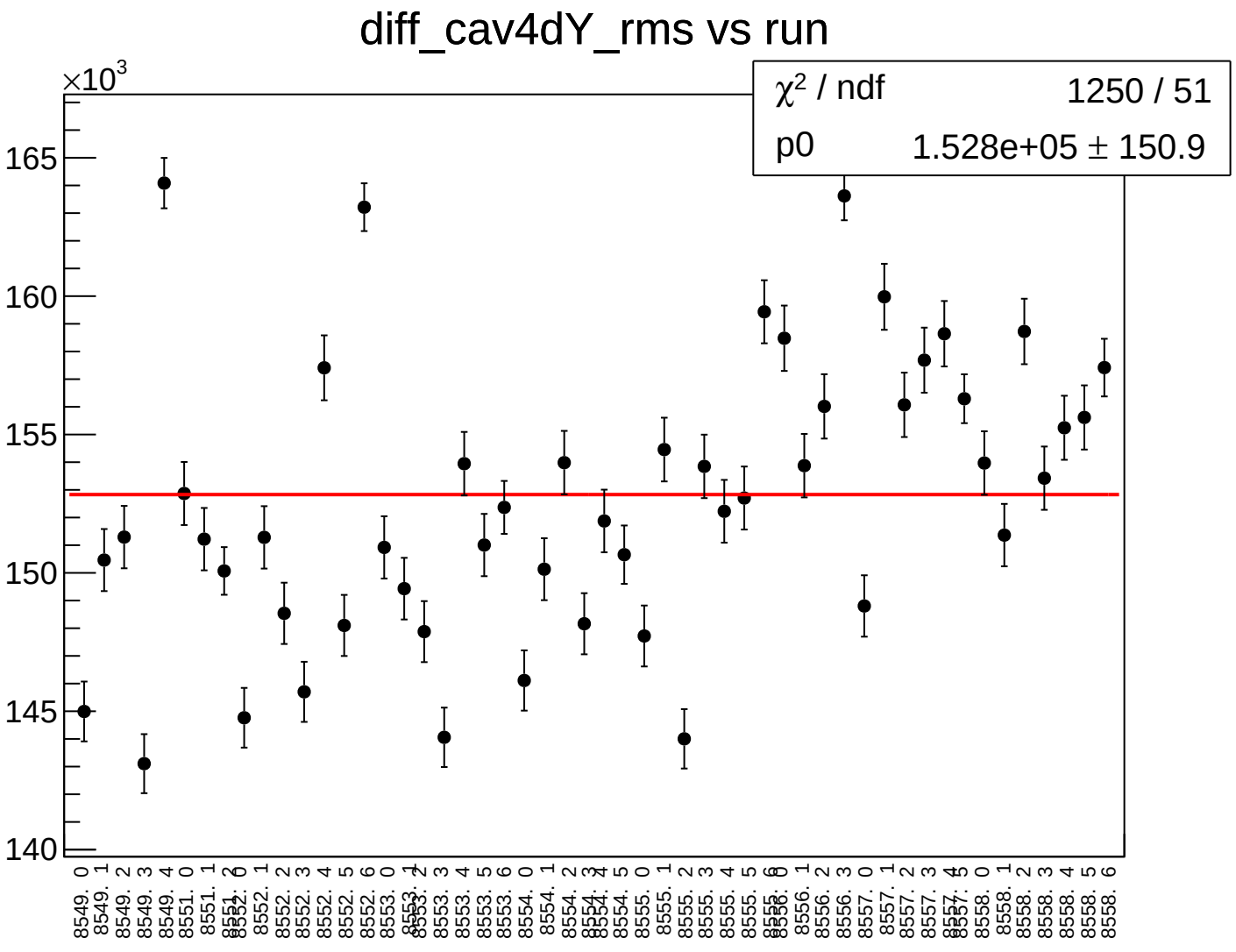

diff_cav4dX_mean vs run
χ² / ndf 65.23 / 51
p0 −1349 ± 619.5
15000
10000
5000
0
−5000
−10000
−15000
−20000
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8551. 2
8551. 6
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 1
8553. 2
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 3
8554. 4
8554. 5
8554. 6
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8555. 6
8556. 0
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8557. 4
8557. 5
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6
pull
Entries 52
Mean −0.9899
Std Dev 0
2
1
0
−1
−2

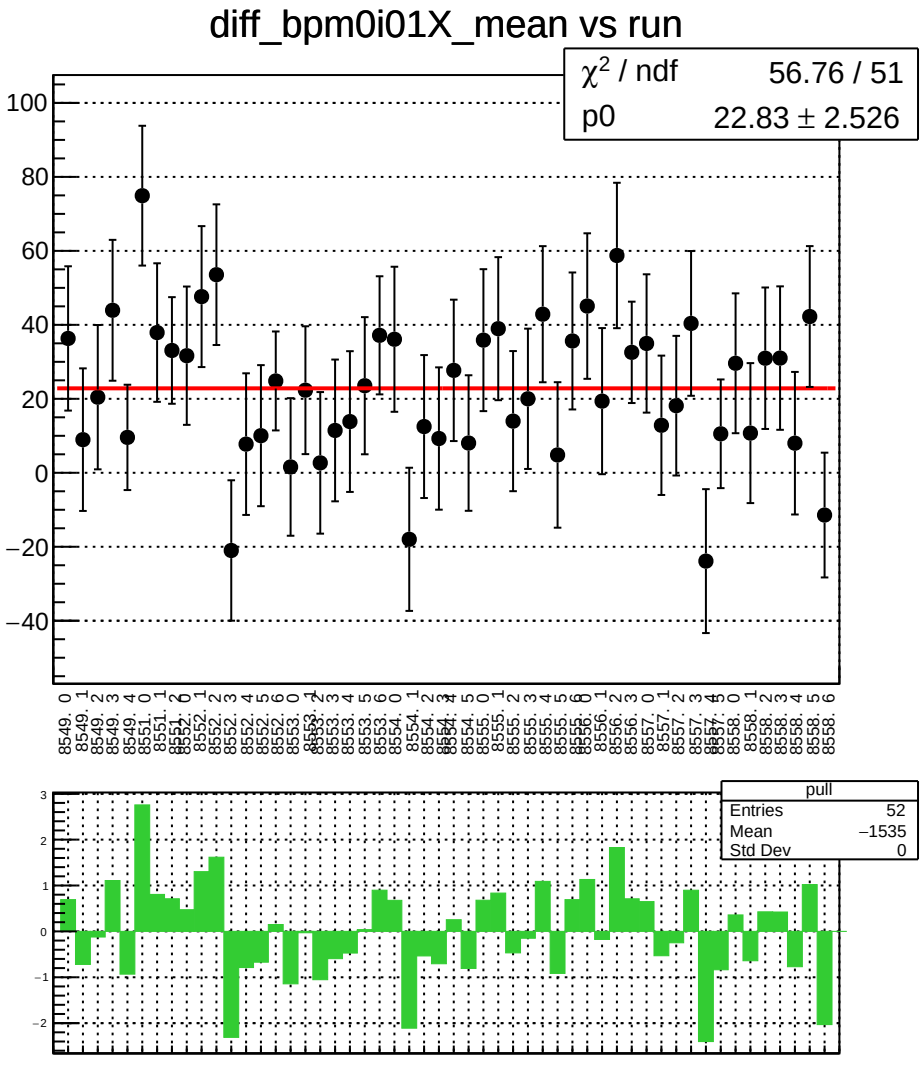

pull1D
Entries 52
Mean −0.03011
Std Dev 1.12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

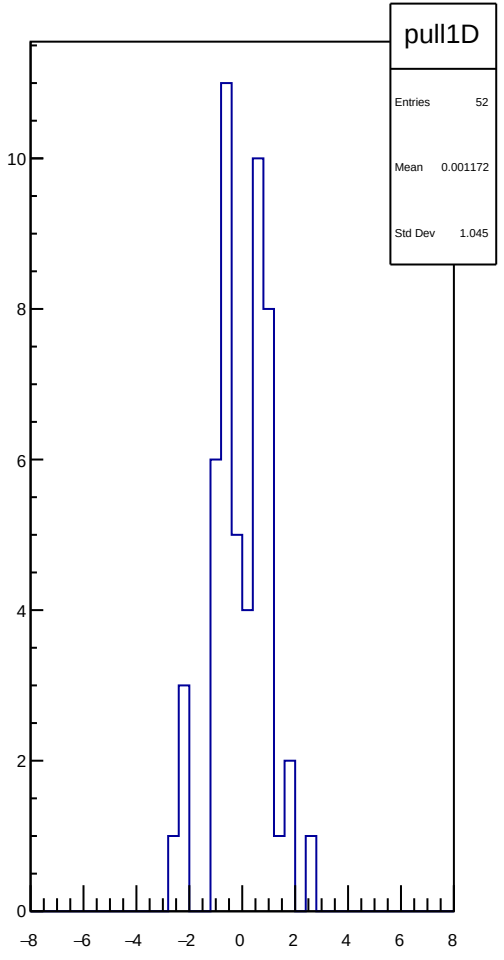

diff_cav4dX_rms vs run
×10^3
χ² / ndf 3145 / 51
p0 4.432e+05 ± 438.1
500
480
460
440
420
400
380
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 5
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

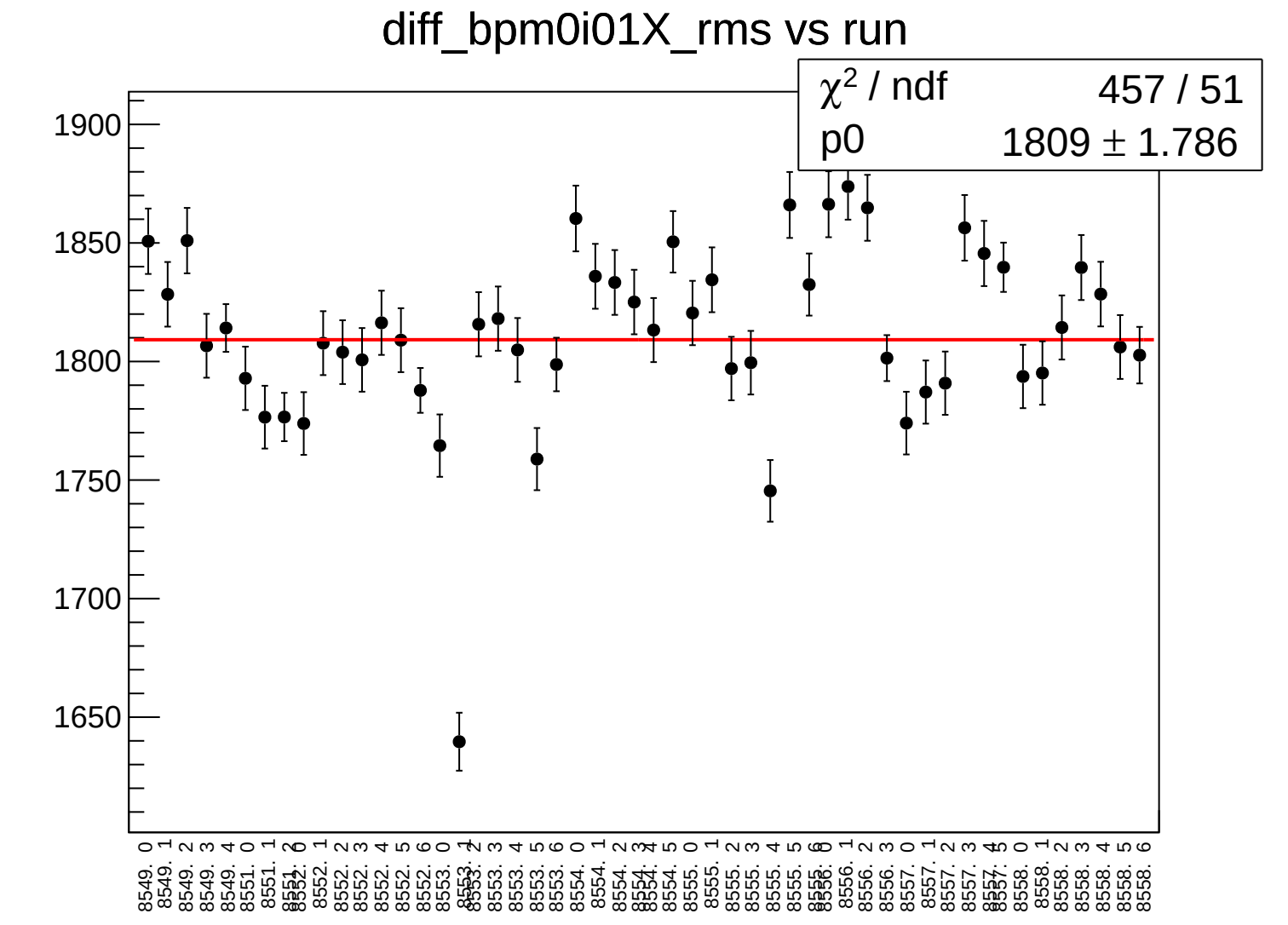

diff_cav4dY_mean vs run
χ² / ndf 57.88 / 51
p0 578.7 ± 213.4
pull
Entries 52
Mean 80.75
Std Dev 0

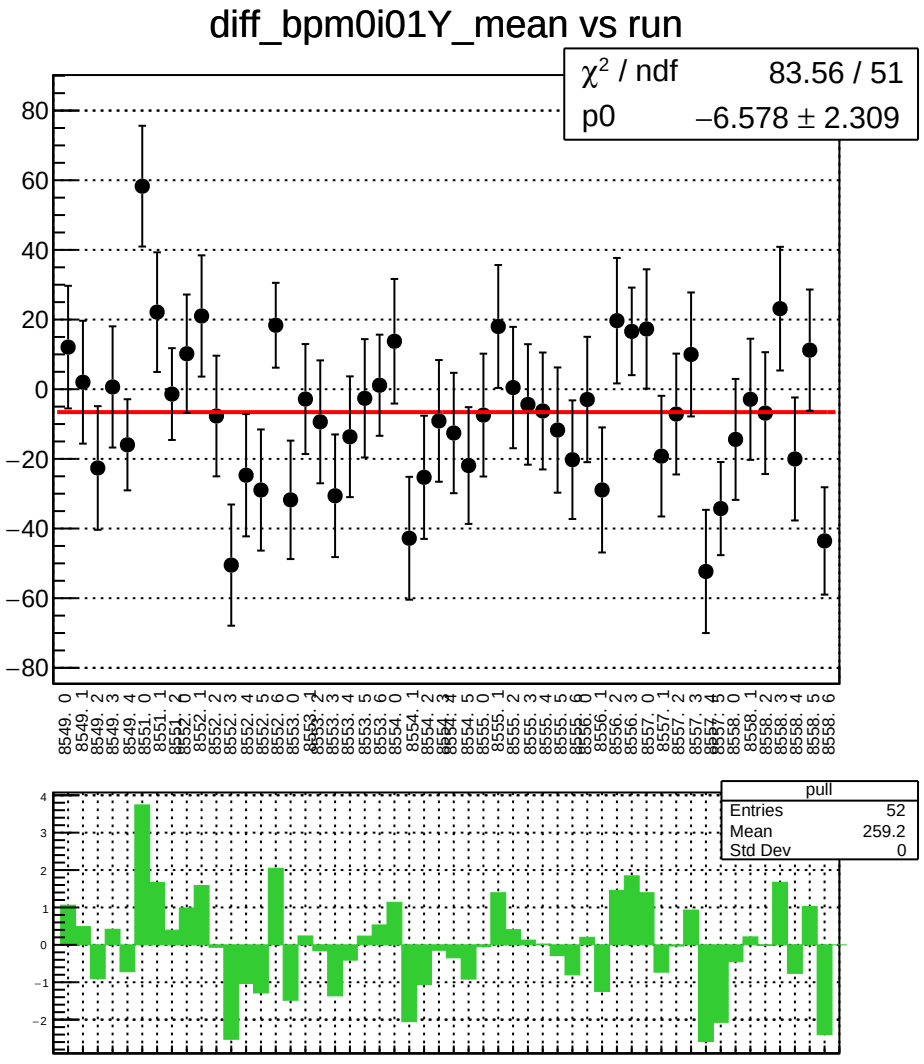

pull1D
Entries 52
Mean 0.03877
Std Dev 1.054

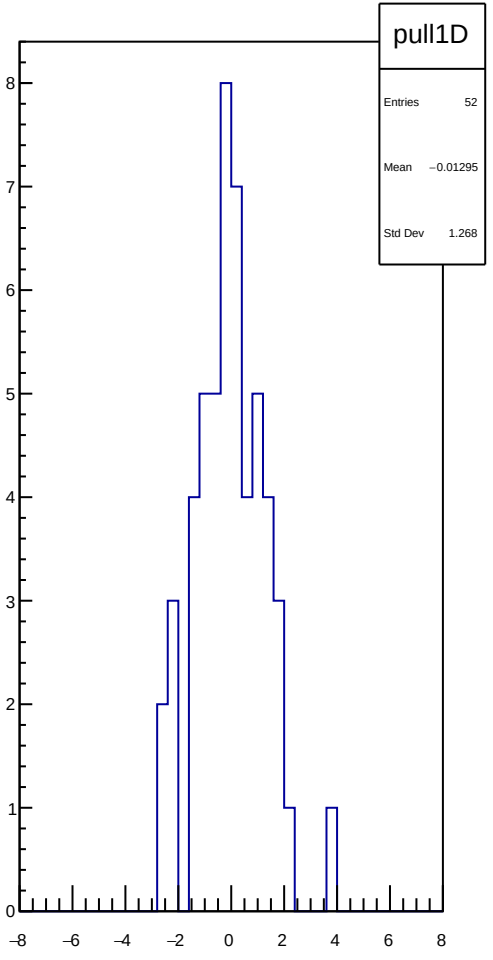

diff_cav4dY_rms vs run
×10^3
χ² / ndf 1250 / 51
p0 1.528e+05 ± 150.9
165
160
155
150
145
140
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

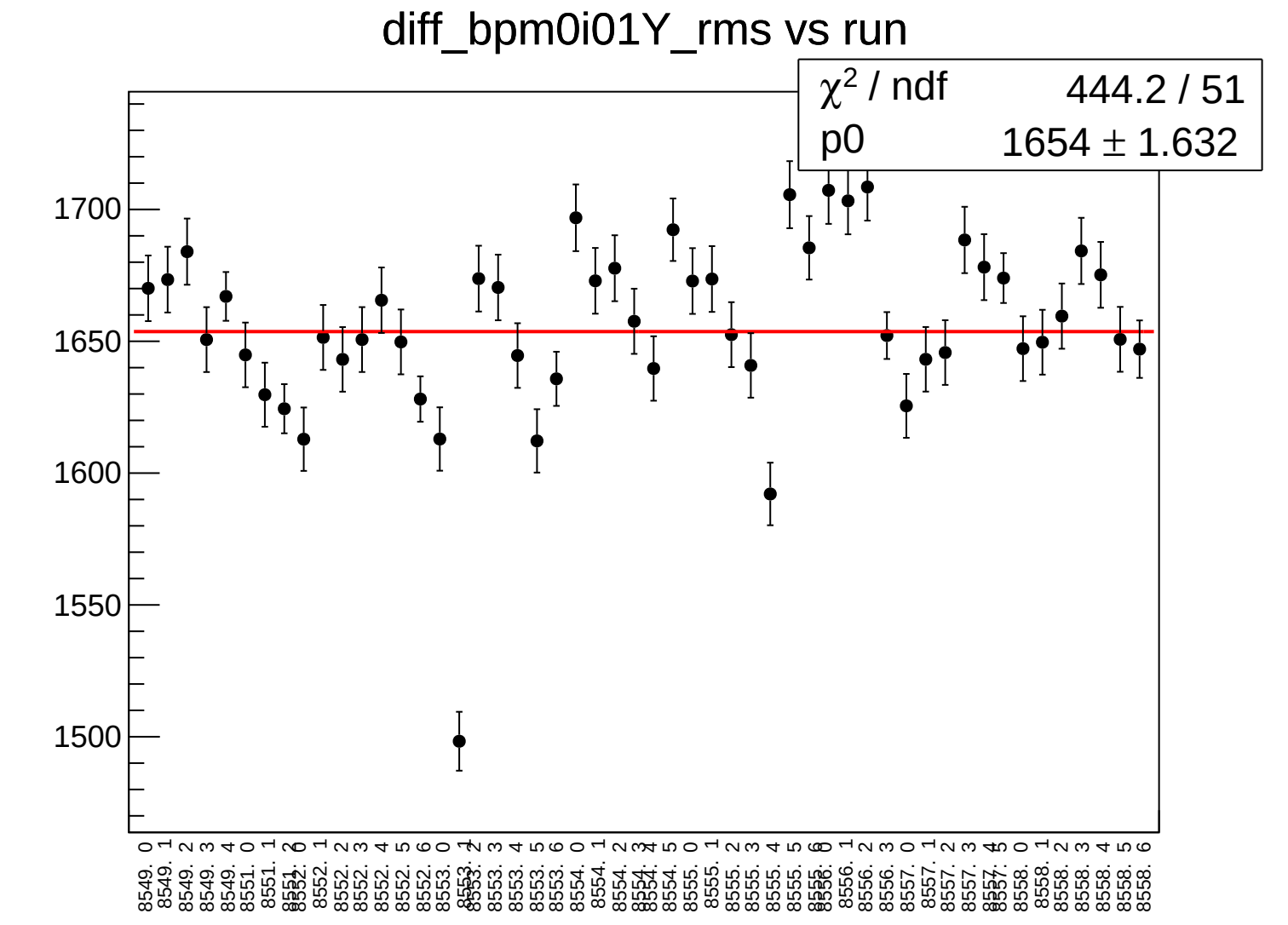

diff_bpm0i01X_mean vs run
χ² / ndf 56.76 / 51
p0 22.83 ± 2.526
pull
Entries 52
Mean −1535
Std Dev 0

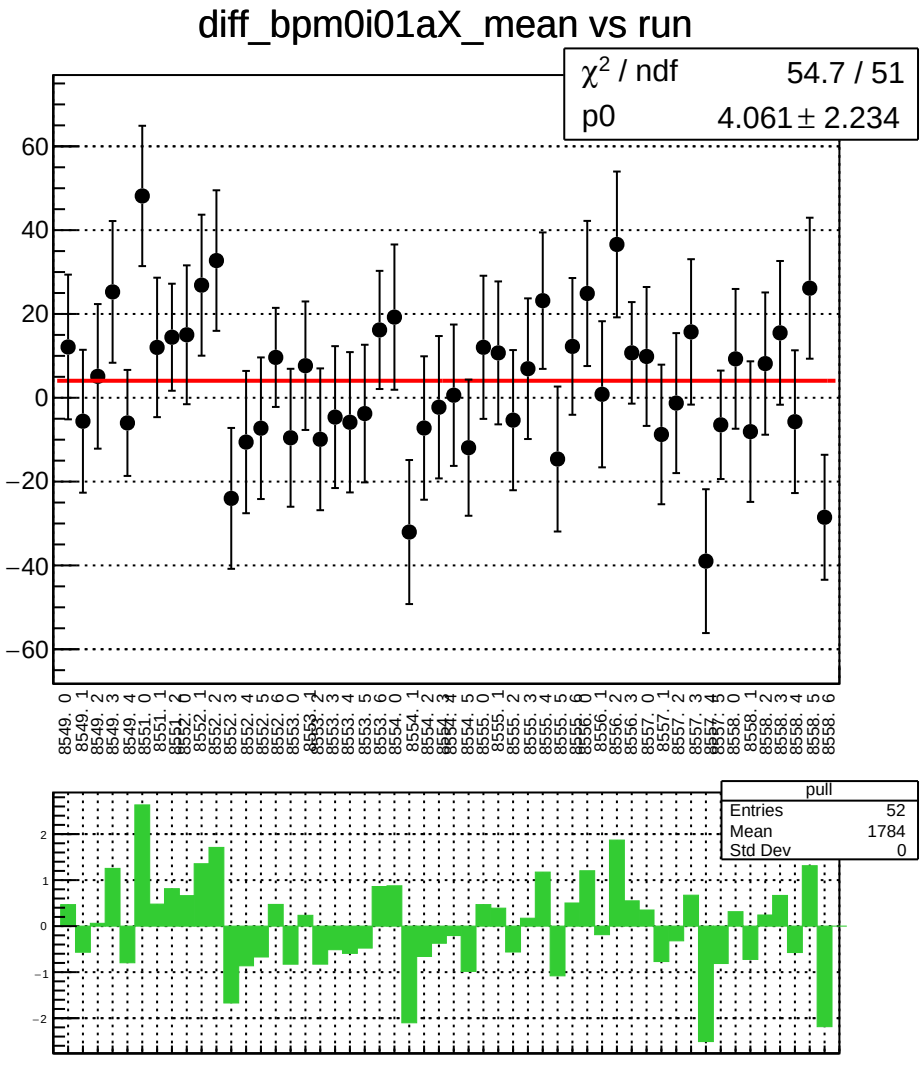

pull1D
Entries 52
Mean 0.001172
Std Dev 1.045

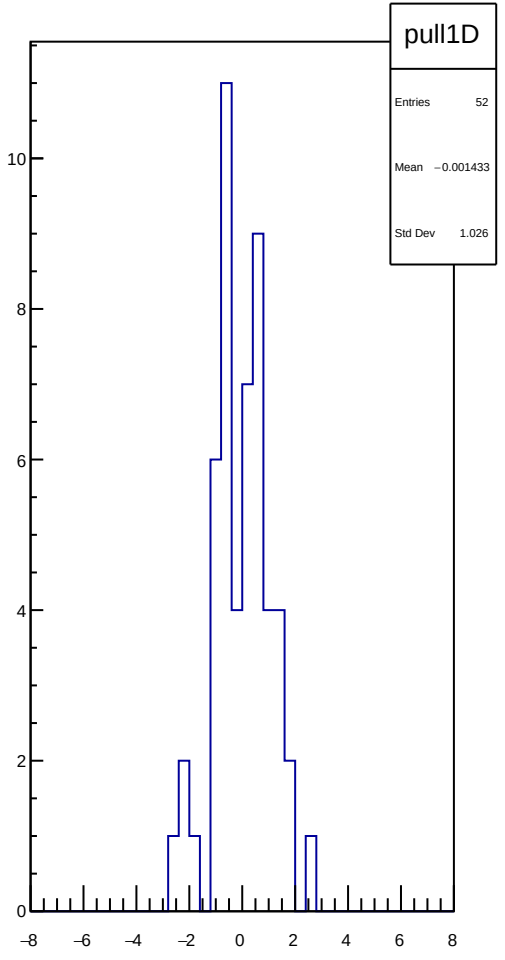

diff_bpm0i01X_rms vs run
χ² / ndf 457 / 51
p0 1809 ± 1.786
1900
1850
1800
1750
1700
1650
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 2
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 5
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

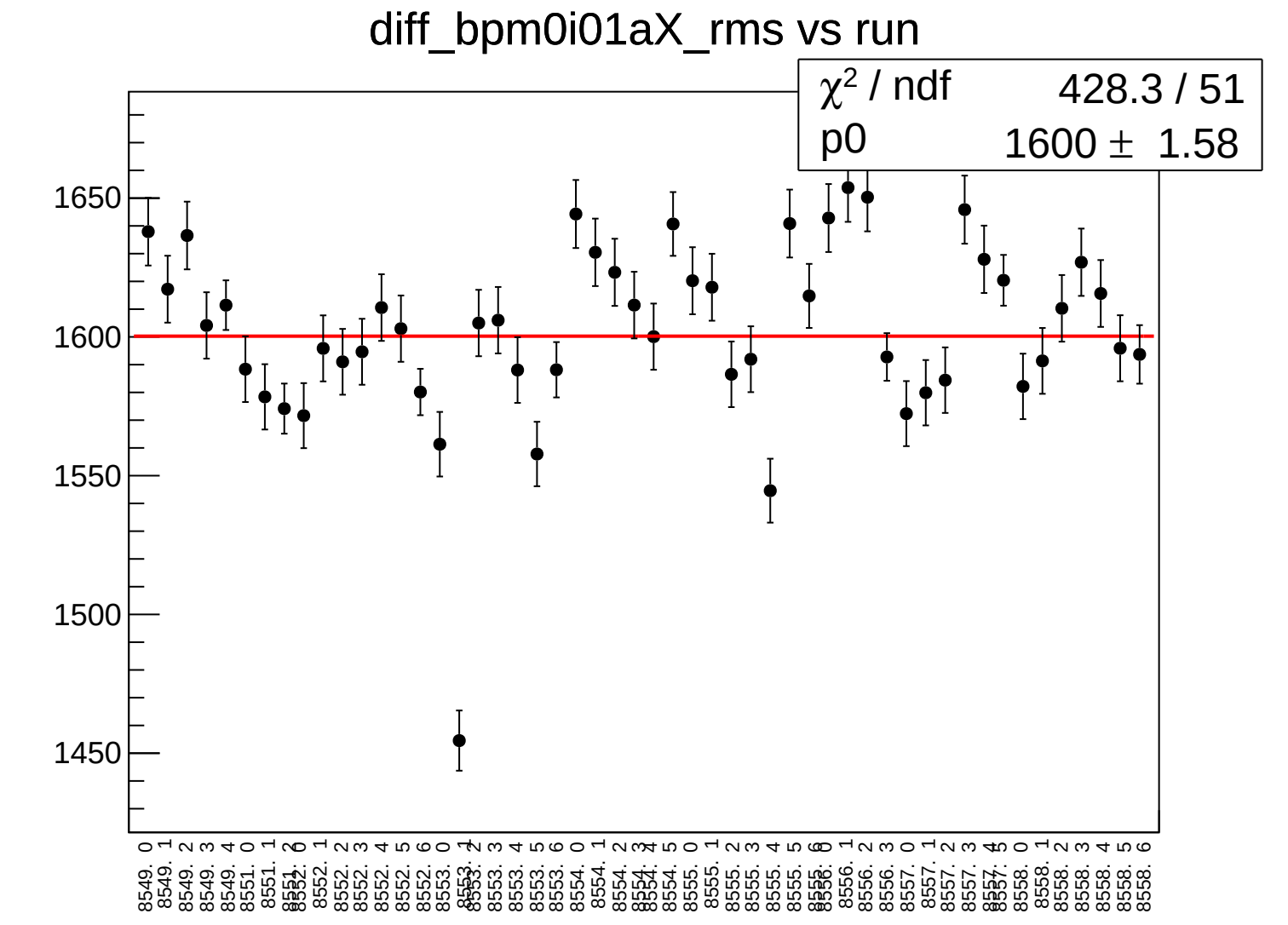

diff_bpm0i01Y_mean vs run
χ² / ndf 83.56 / 51
p0 −6.578 ± 2.309
pull
Entries 52
Mean 259.2
Std Dev 0

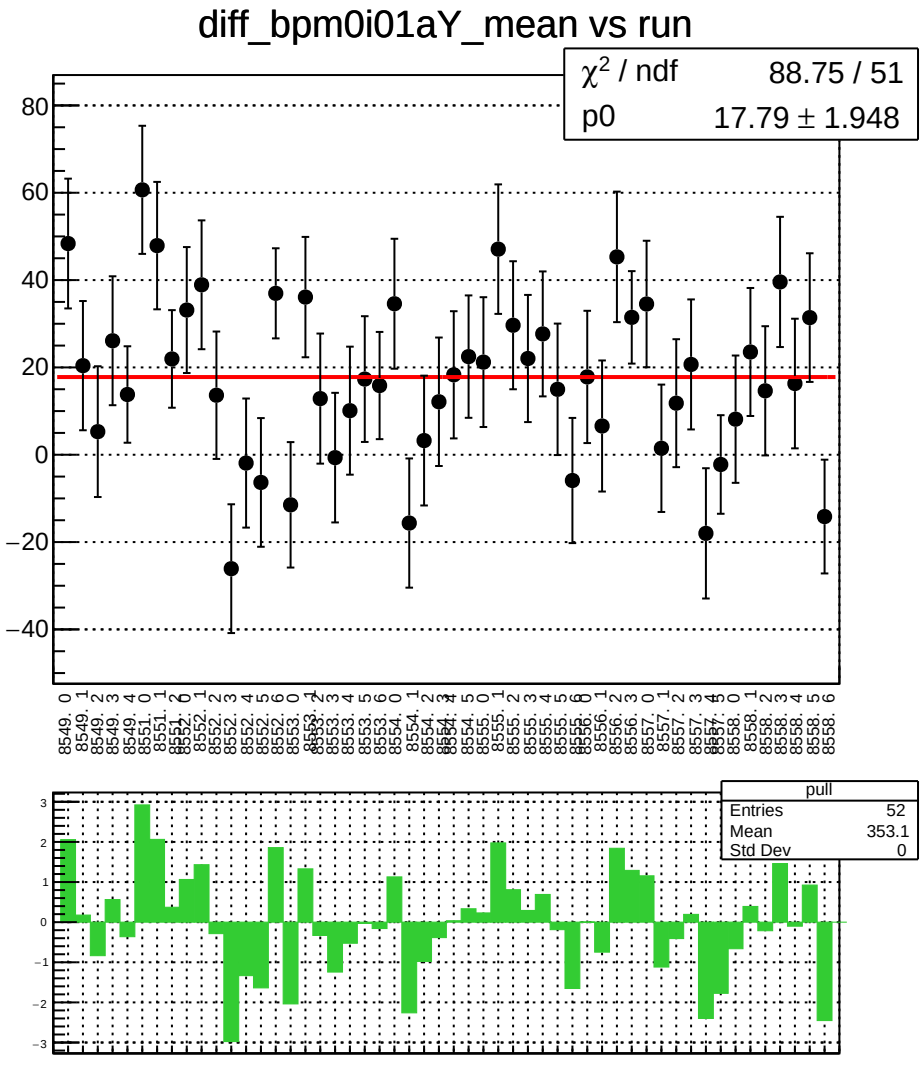

pull1D
Entries 52
Mean −0.01295
Std Dev 1.268

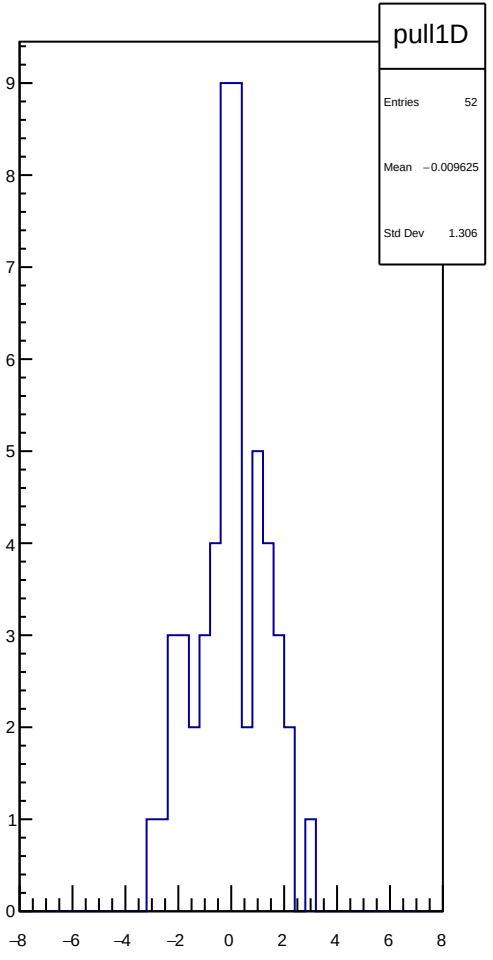

diff_bpm0i01Y_rms vs run
χ² / ndf 444.2 / 51
p0 1654 ± 1.632
1700
1650
1600
1550
1500
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 5
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

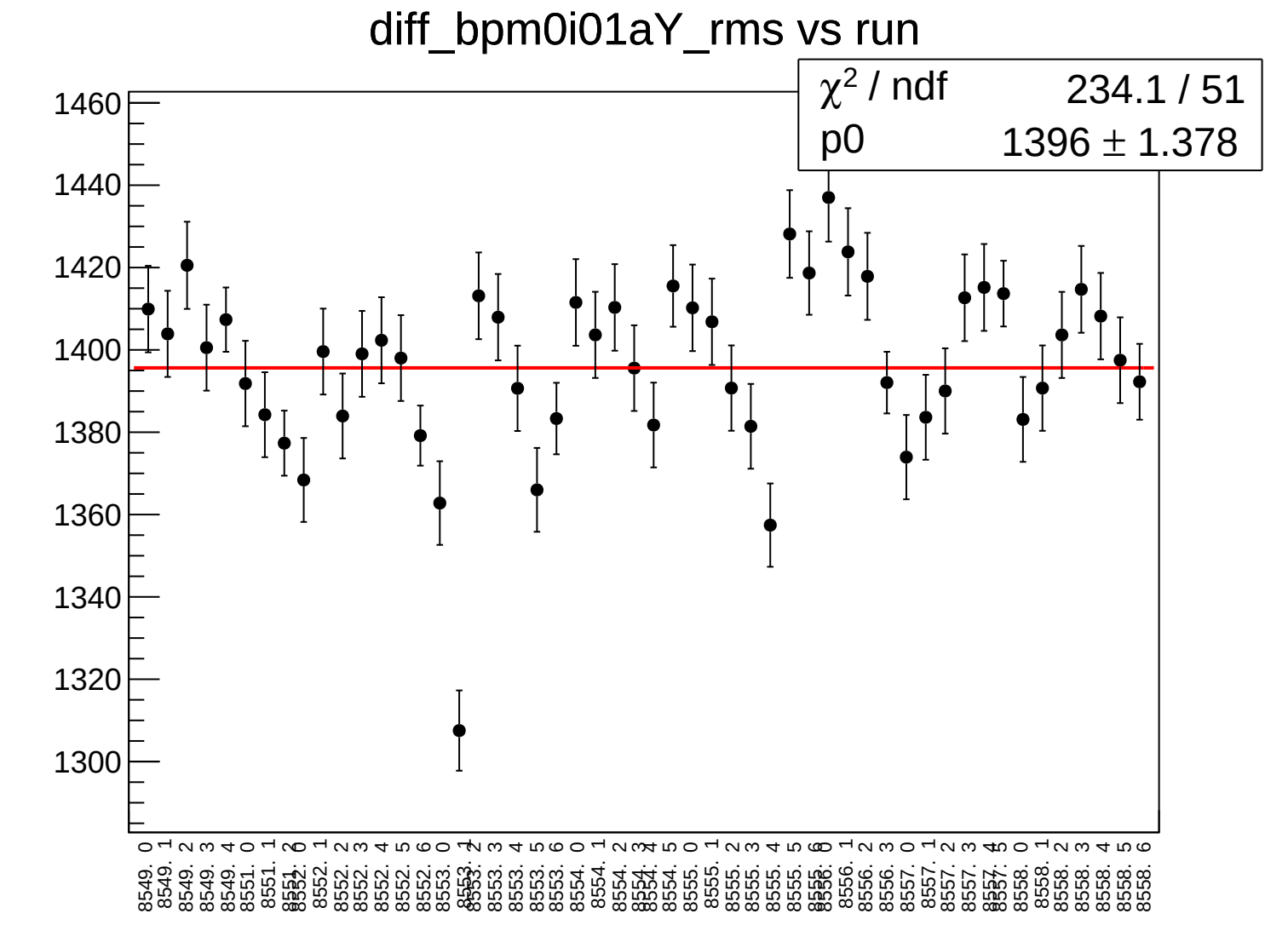

diff_bpm0i01aX_mean vs run
χ² / ndf 54.7 / 51
p0 4.061 ± 2.234
pull
Entries 52
Mean 1784
Std Dev 0

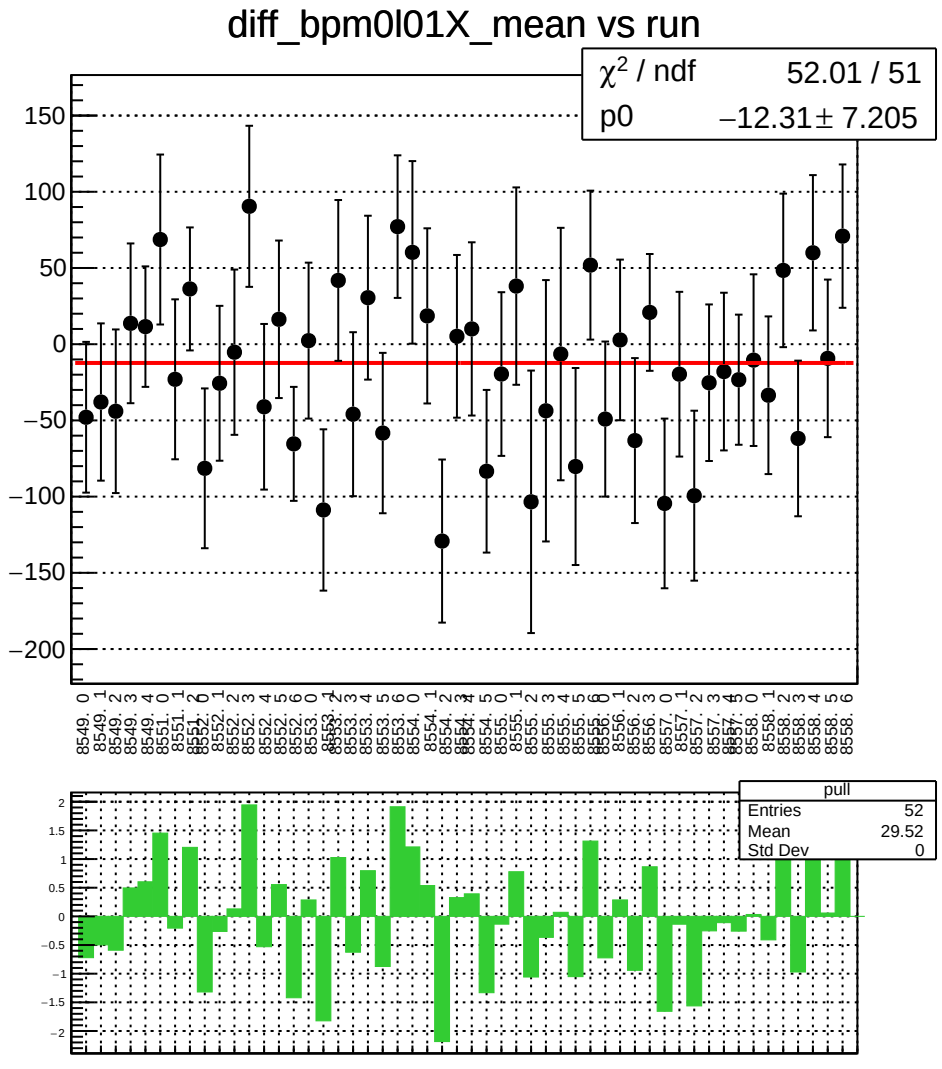

pull1D
Entries 52
Mean −0.001433
Std Dev 1.026

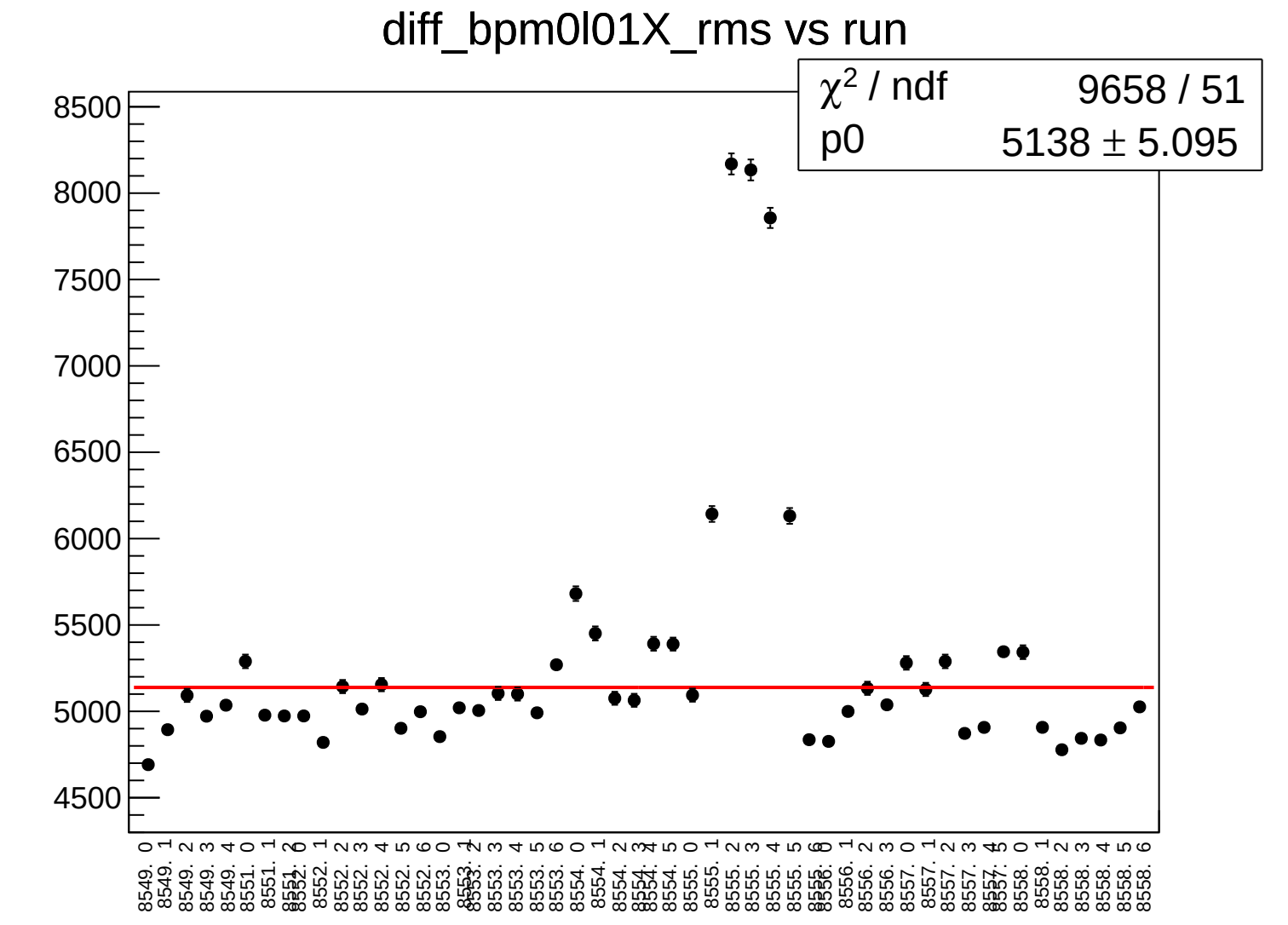

diff_bpm0i01aX_rms vs run
χ² / ndf 428.3 / 51
p0 1600 ± 1.58
1650
1600
1550
1500
1450
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 5
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6


diff_bpm0i01aY_mean vs run
χ² / ndf 88.75 / 51
p0 17.79 ± 1.948
pull
Entries 52
Mean 353.1
Std Dev 0


pull1D
Entries 52
Mean −0.009625
Std Dev 1.306


diff_bpm0i01aY_rms vs run
χ² / ndf 234.1 / 51
p0 1396 ± 1.378
1460
1440
1420
1400
1380
1360
1340
1320
1300
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 5
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6


diff_bpm0l01X_mean vs run
χ² / ndf 52.01 / 51
p0 −12.31± 7.205
pull
Entries 52
Mean 29.52
Std Dev 0
pull1D
Entries 52
Mean −0.02565
Std Dev 0.9998


diff_bpm0l01X_rms vs run
χ² / ndf 9658 / 51
p0 5138 ± 5.095
8500
8000
7500
7000
6500
6000
5500
5000
4500
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
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8553. 6
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8554. 1
8554. 2
8554. 5
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
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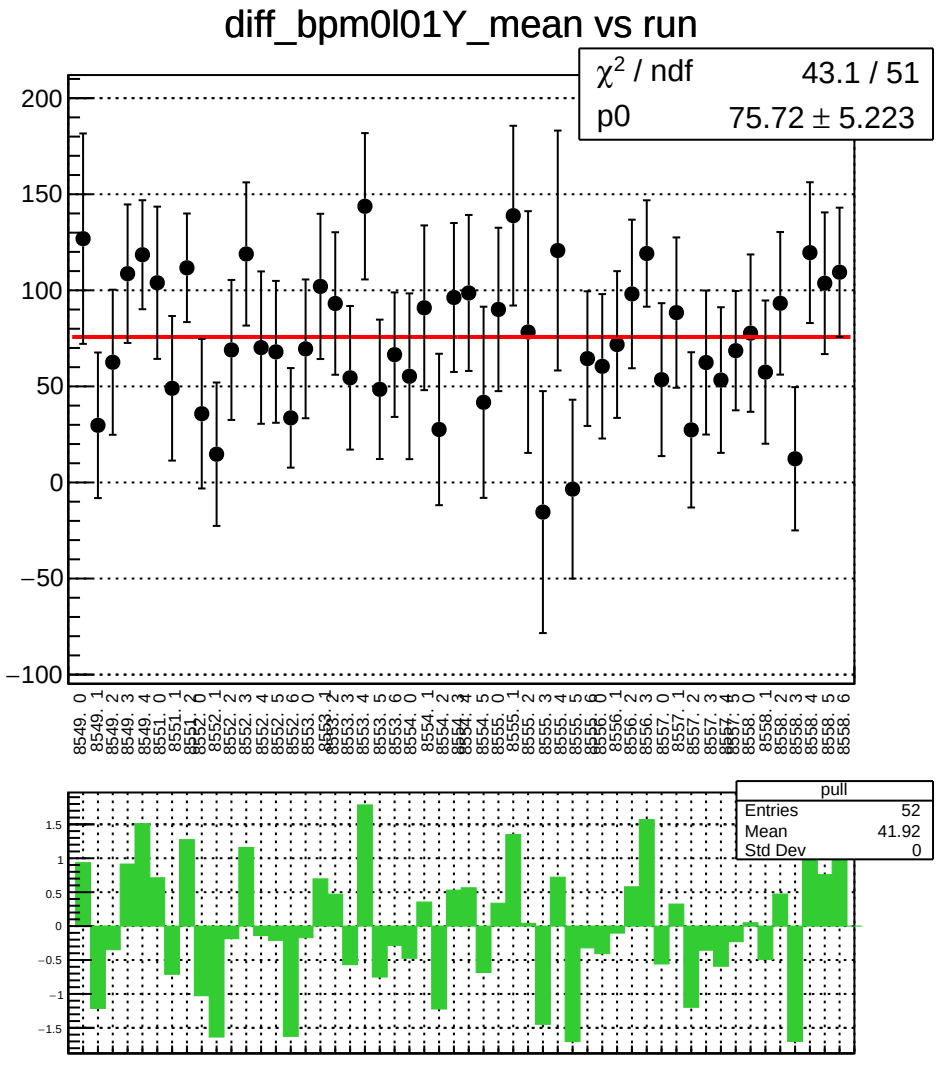
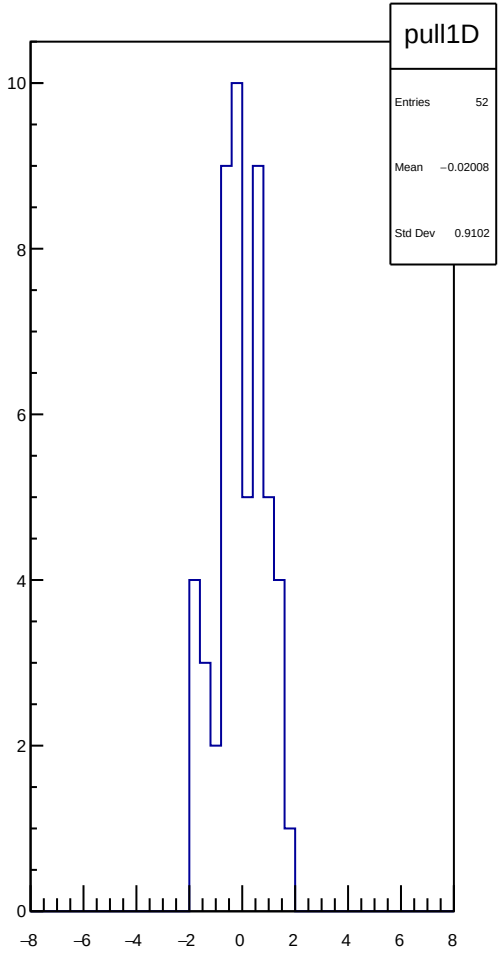
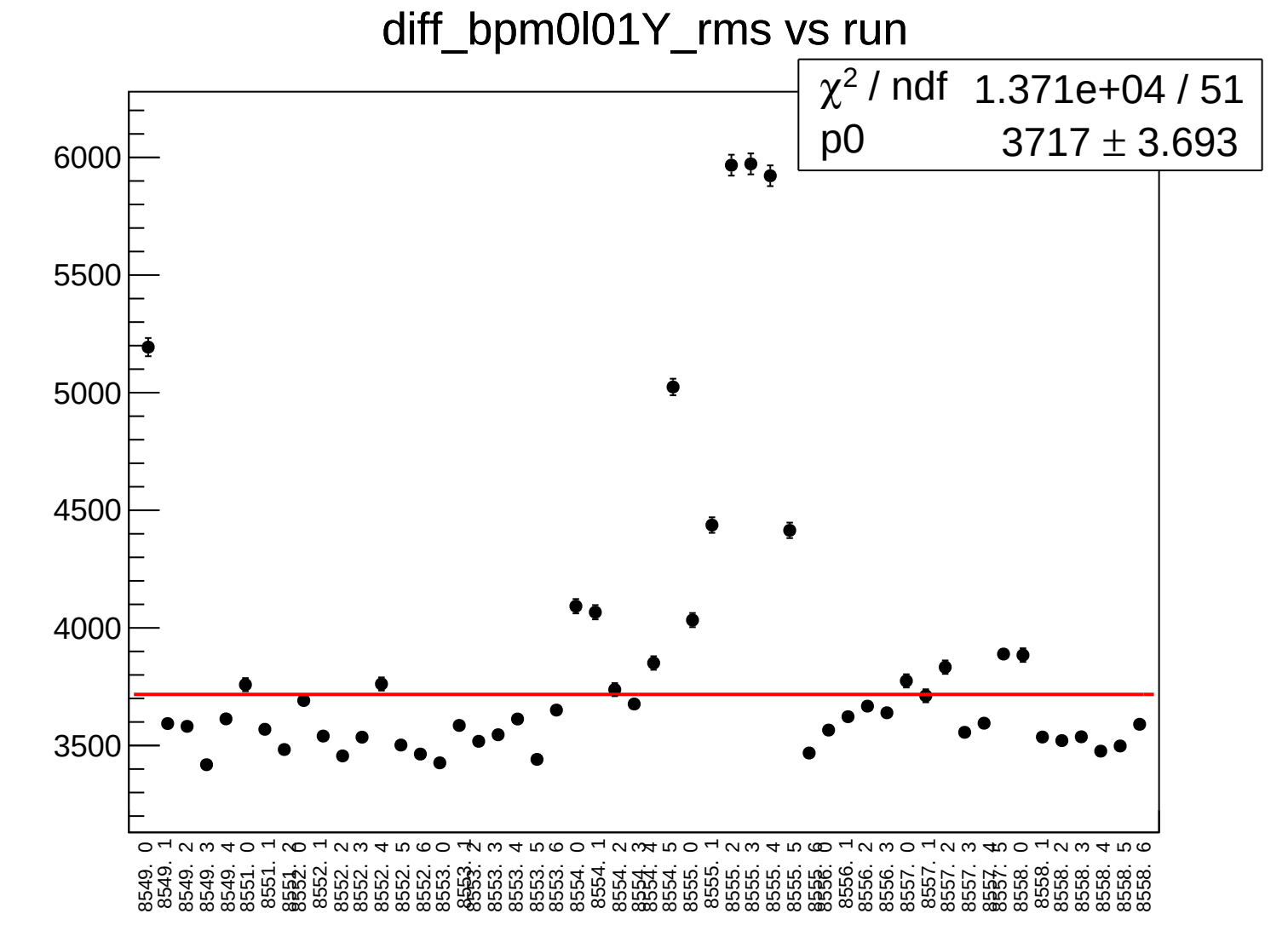
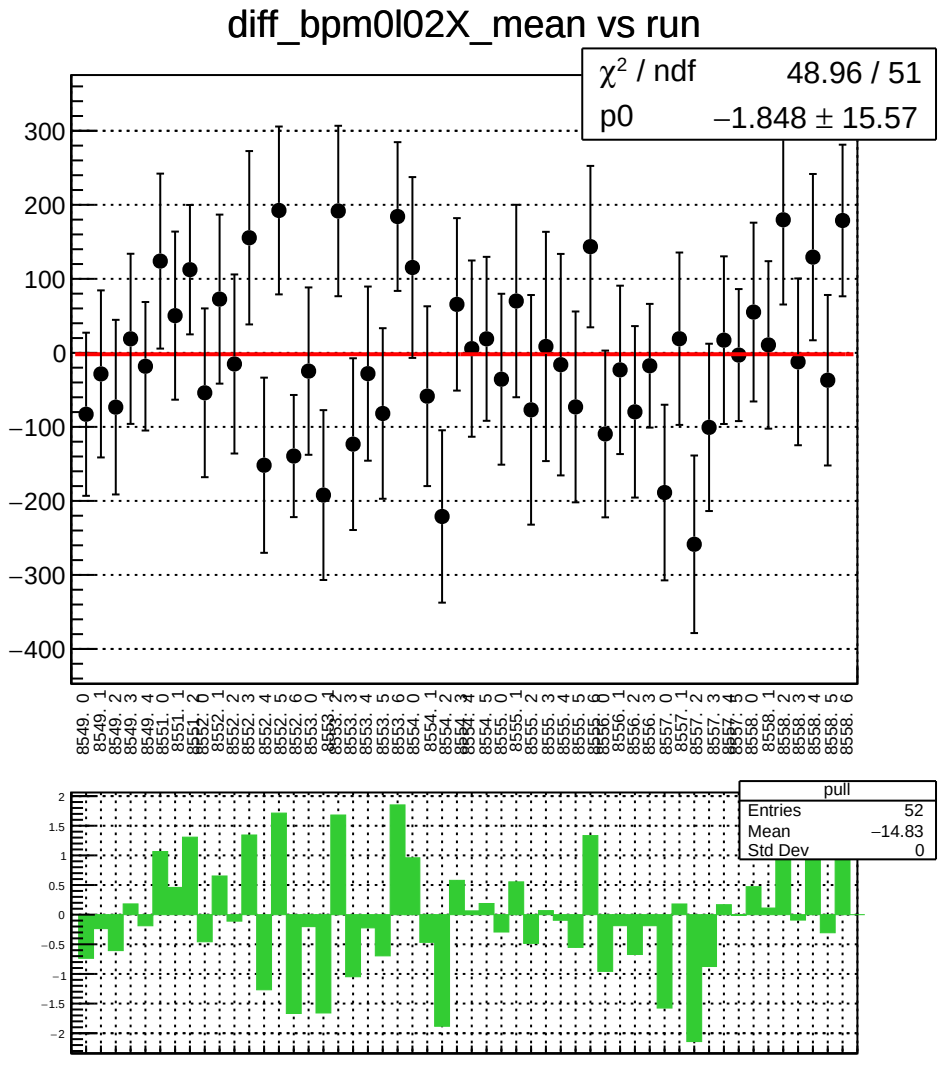
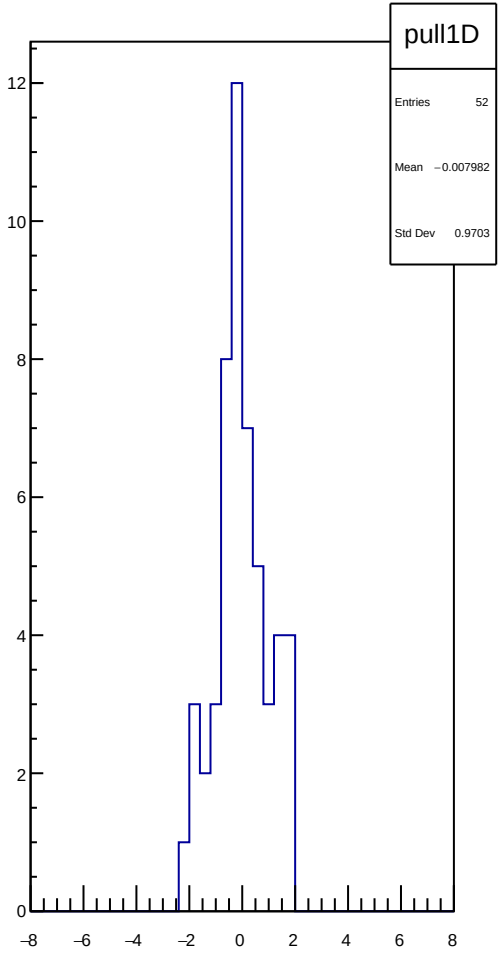
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

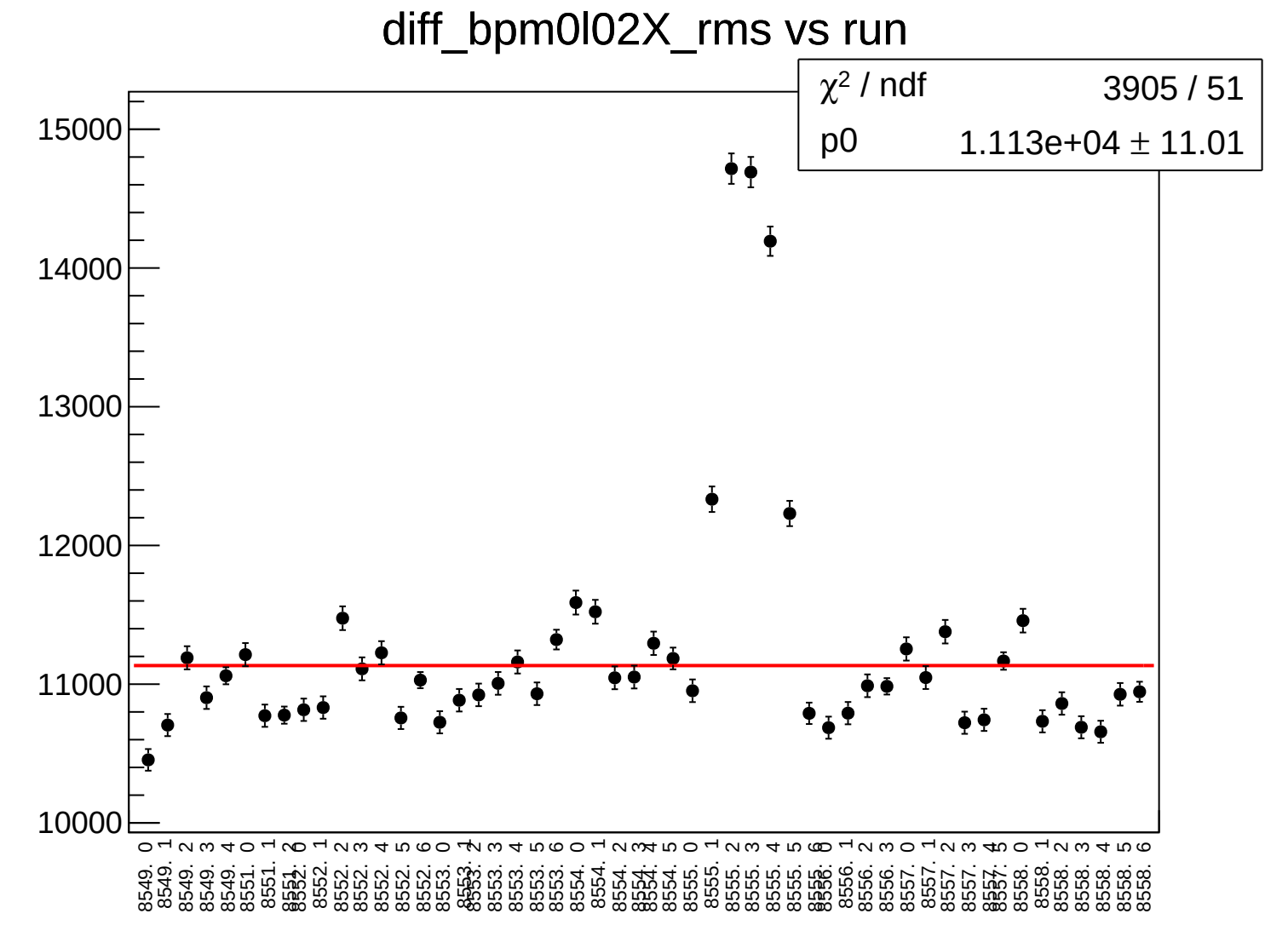

diff_bpm0l01Y_mean vs run
χ² / ndf 43.1 / 51
p0 75.72 ± 5.223
pull
Entries 52
Mean 41.92
Std Dev 0


pull1D
Entries 52
Mean −0.02008
Std Dev 0.9102


diff_bpm0l01Y_rms vs run
χ² / ndf 1.371e+04 / 51
p0 3717 ± 3.693
6000
5500
5000
4500
4000
3500
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 5
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6


diff_bpm0l02X_mean vs run
χ² / ndf 48.96 / 51
p0 −1.848 ± 15.57
pull
Entries 52
Mean −14.83
Std Dev 0


pull1D
Entries 52
Mean −0.007982
Std Dev 0.9703


diff_bpm0l02X_rms vs run
χ² / ndf 3905 / 51
p0 1.113e+04 ± 11.01
15000
14000
13000
12000
11000
10000
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8551. 2
8551. 6
8552. 0
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 1
8553. 2
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 3
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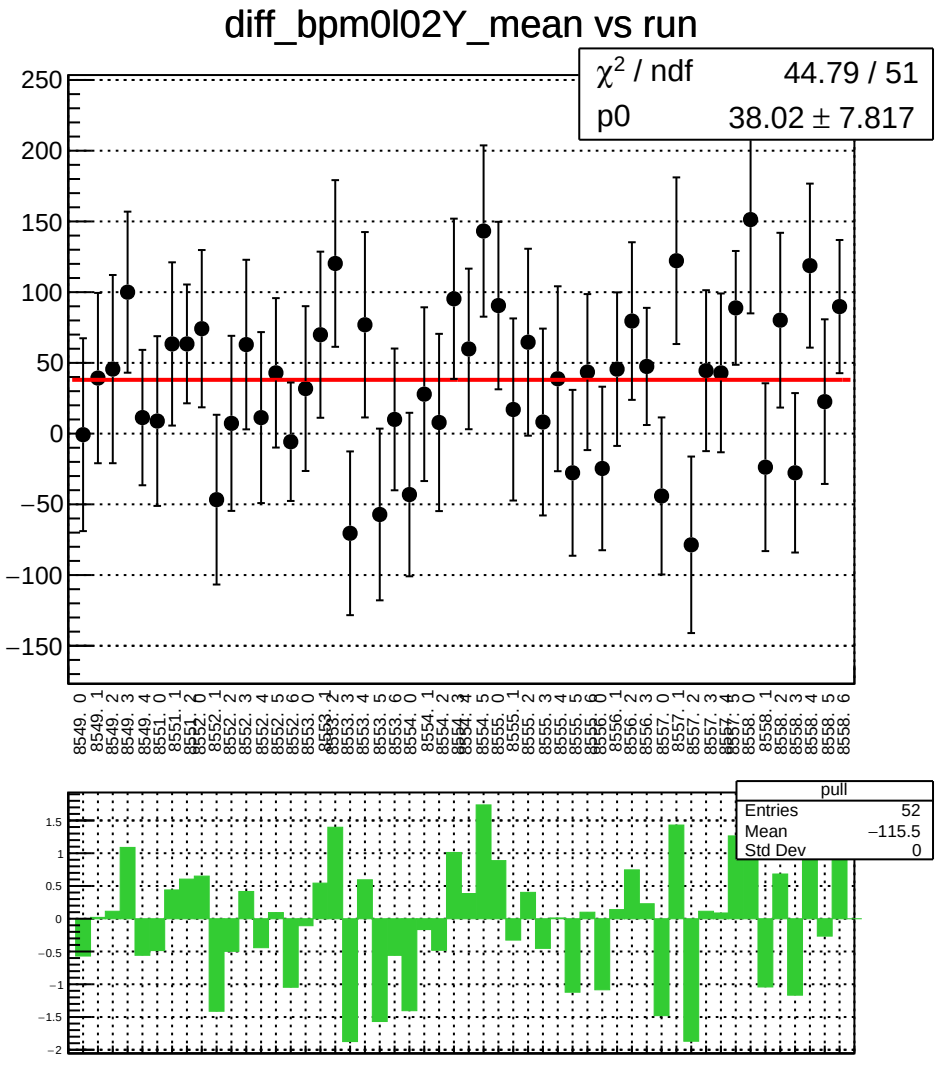
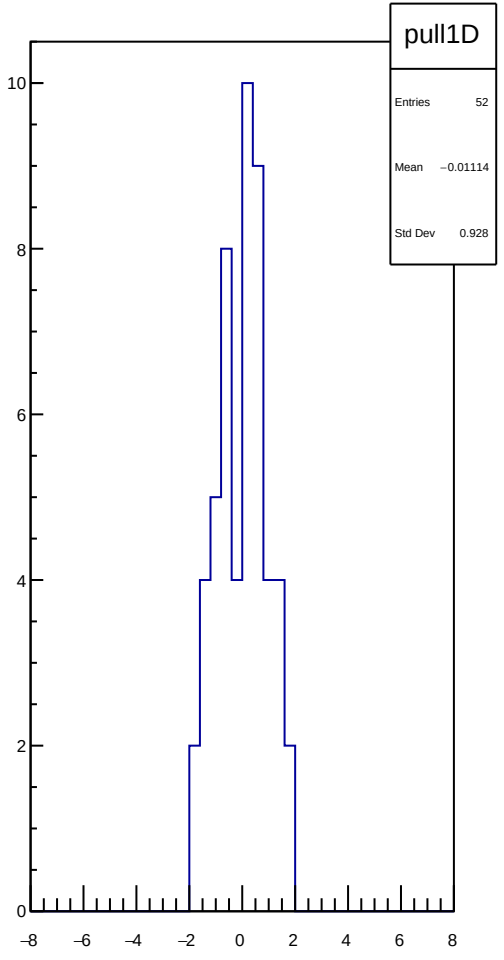
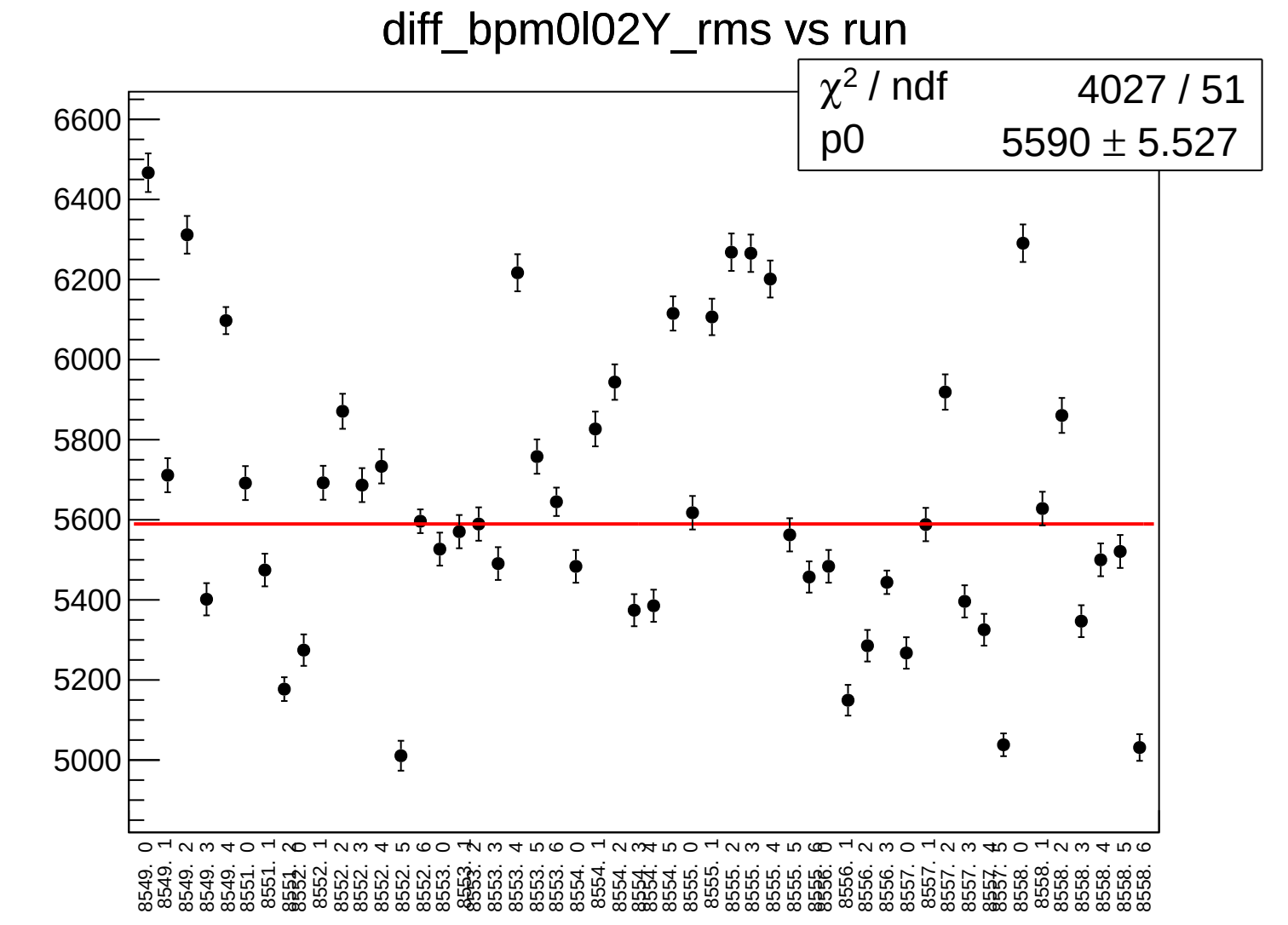
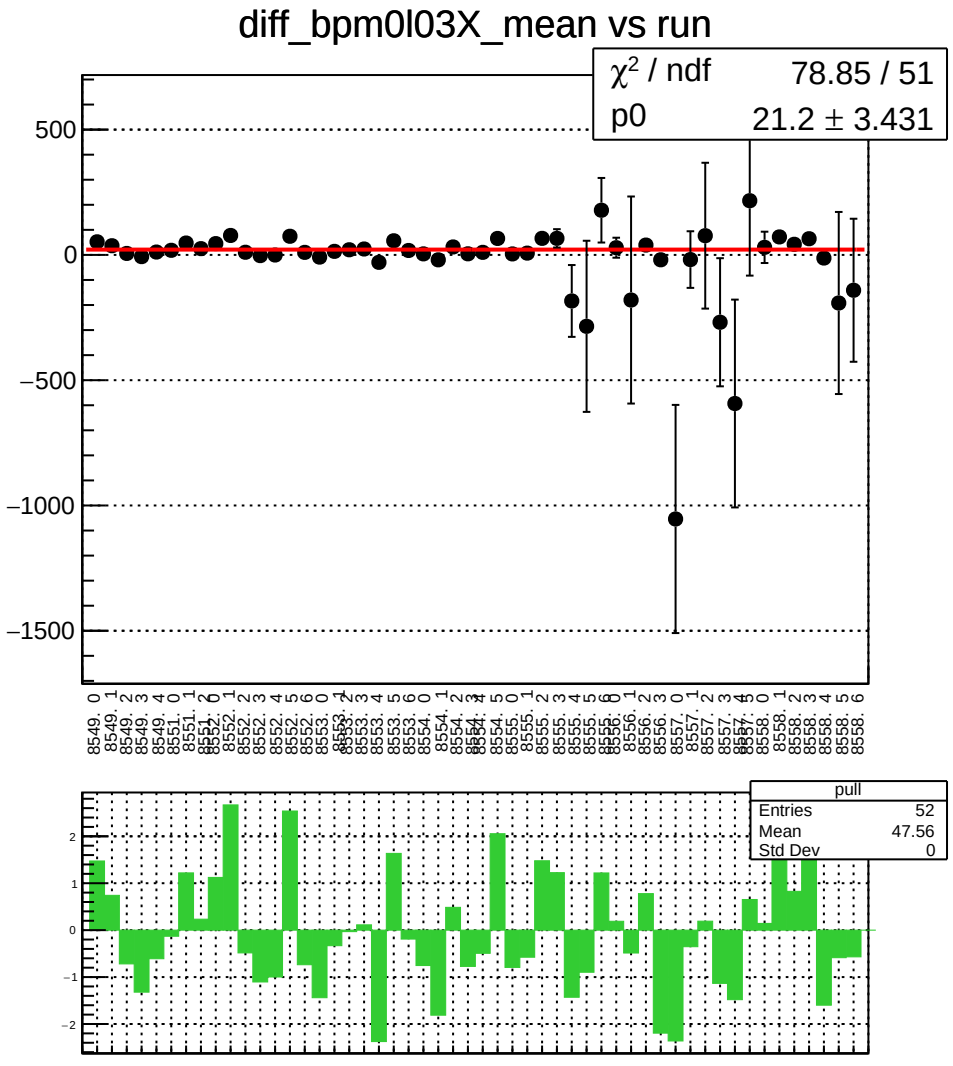
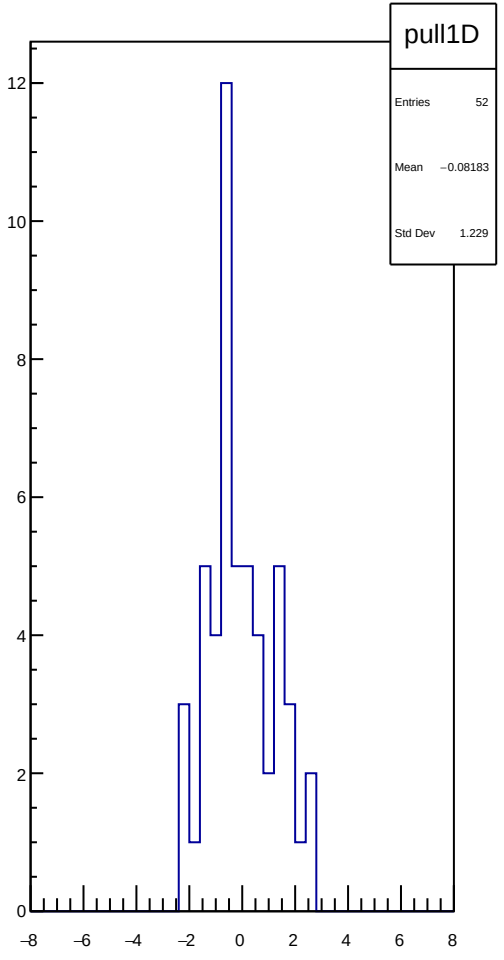
8554. 5
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8555. 6
8556. 0
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8557. 4
8557. 5
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

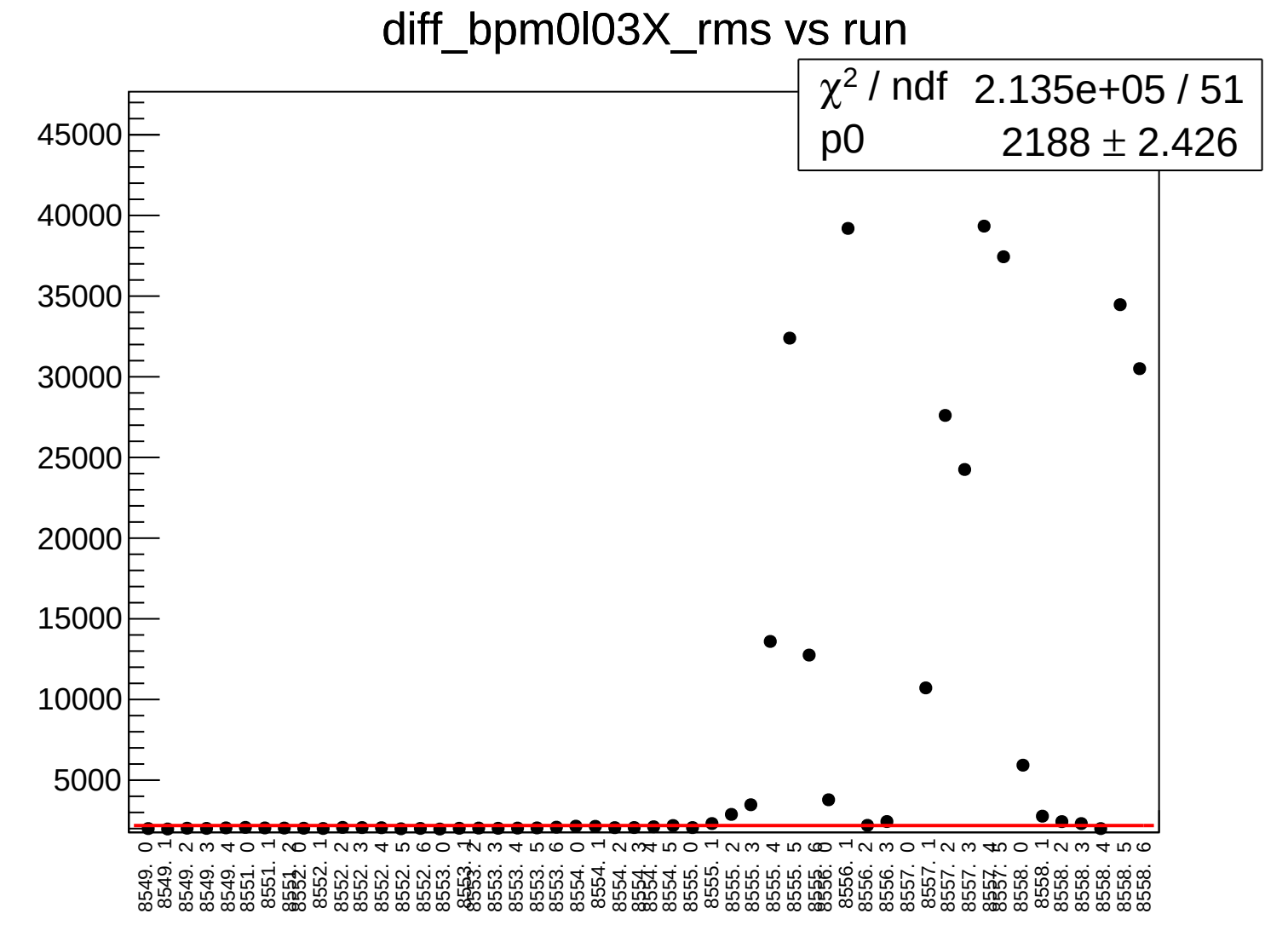

diff_bpm0l02Y_mean vs run
χ^2 / ndf 44.79 / 51
p0 38.02 ± 7.817
pull
Entries 52
Mean −115.5
Std Dev 0

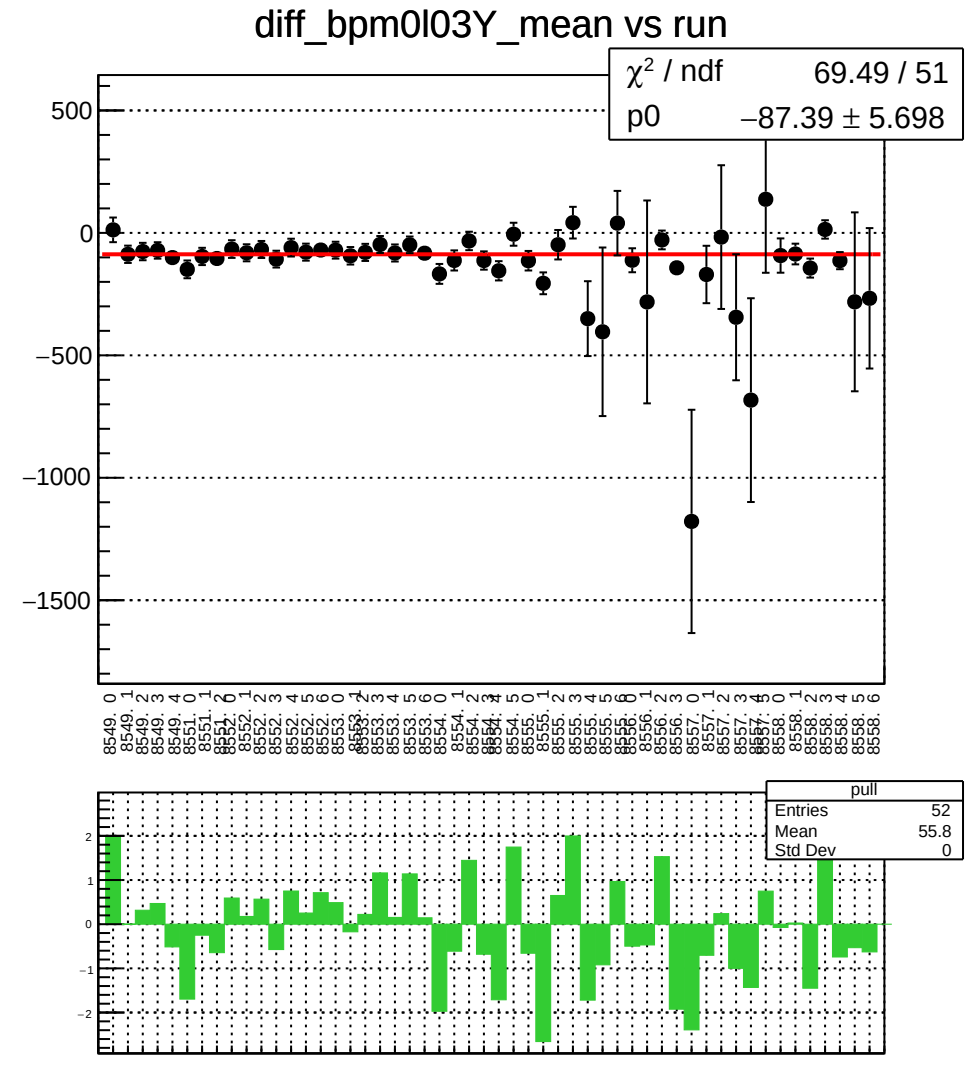

pull1D
Entries 52
Mean −0.01114
Std Dev 0.928

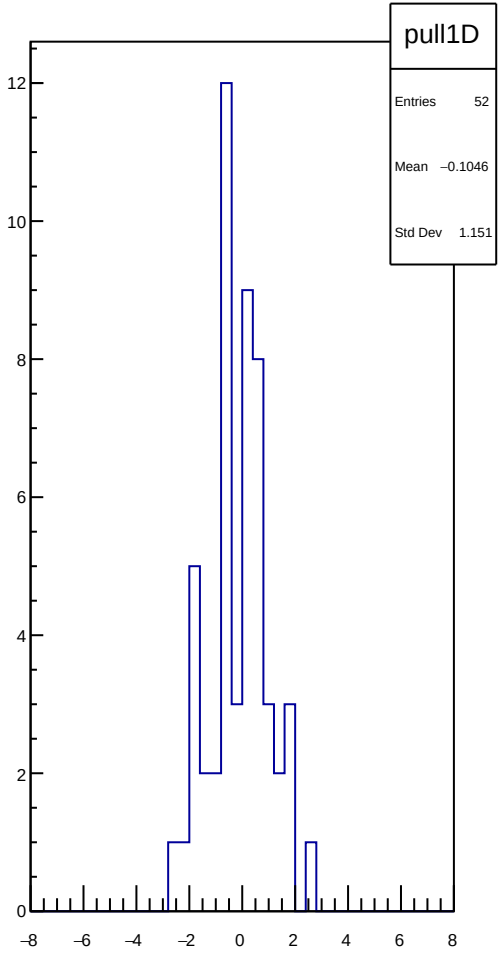

diff_bpm0l02Y_rms vs run
χ² / ndf 4027 / 51
p0 5590 ± 5.527
6600
6400
6200
6000
5800
5600
5400
5200
5000
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

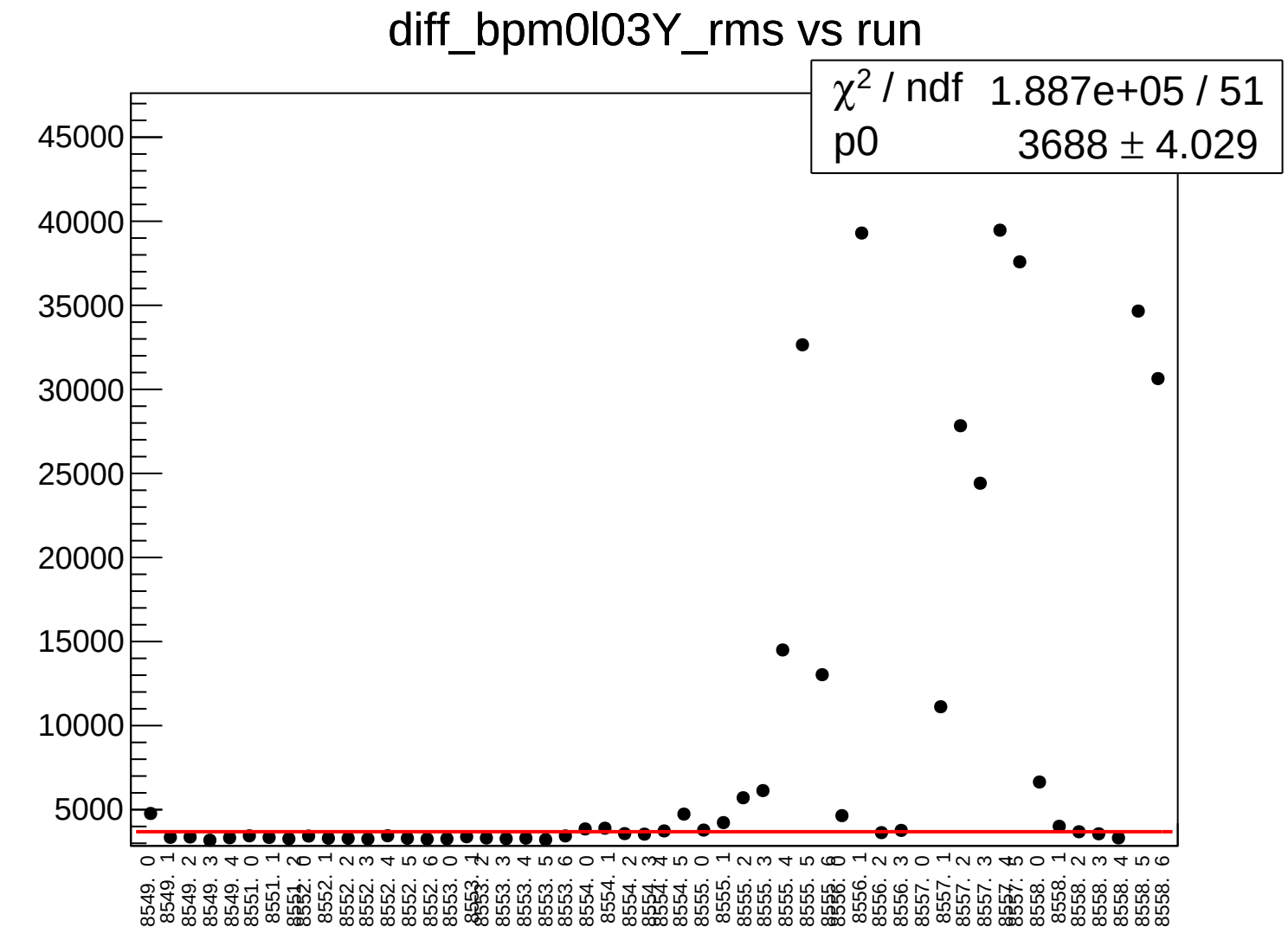

diff_bpm0l03X_mean vs run
χ² / ndf 78.85 / 51
p0 21.2 ± 3.431
500
0
−500
−1000
−1500
pull
Entries 52
Mean 47.56
Std Dev 0
2
1
0
−1
−2

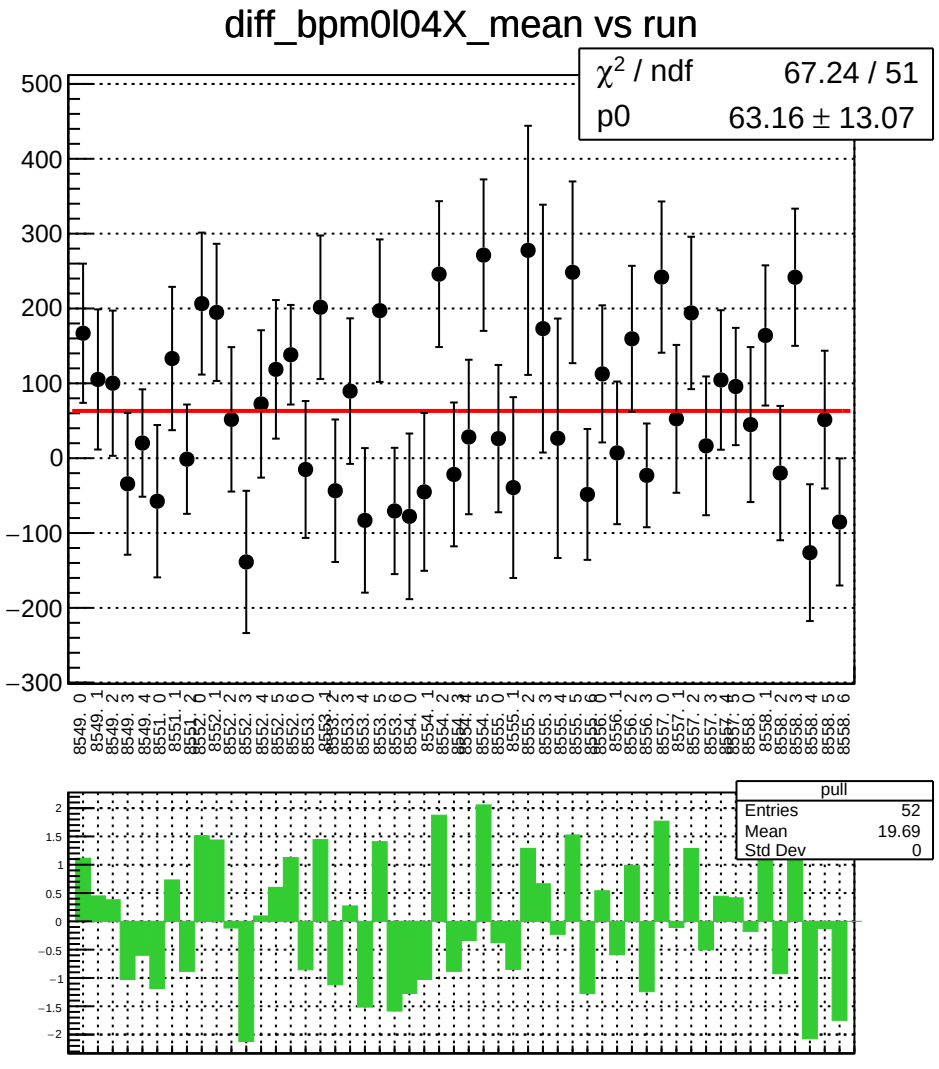

pull1D
Entries 52
Mean −0.08183
Std Dev 1.229
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

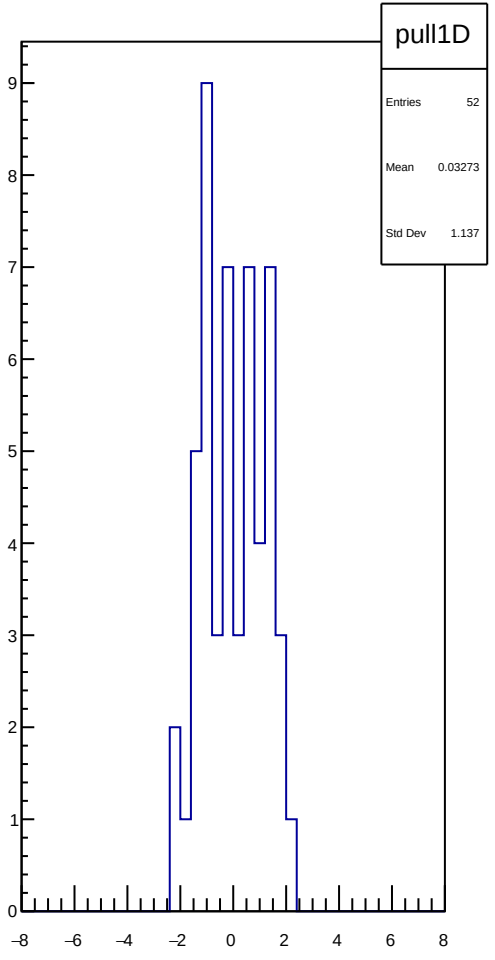

diff_bpm0l03X_rms vs run
χ² / ndf 2.135e+05 / 51
p0 2188 ± 2.426
45000
40000
35000
30000
25000
20000
15000
10000
5000
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 0
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

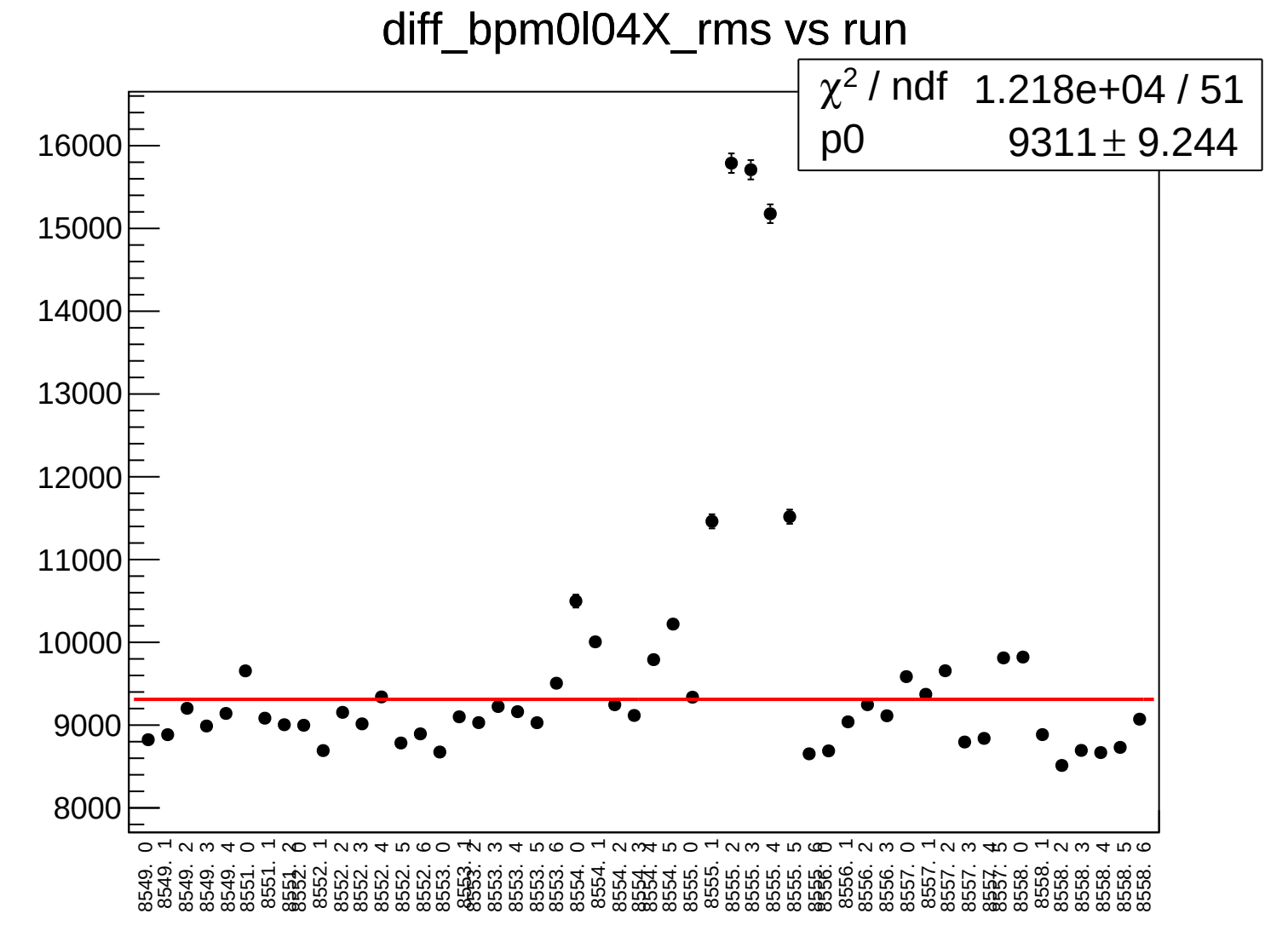

diff_bpm0l03Y_mean vs run
χ² / ndf 69.49 / 51
p0 −87.39 ± 5.698
500
0
−500
−1000
−1500
pull
Entries 52
Mean 55.8
Std Dev 0
2
1
0
−1
−2

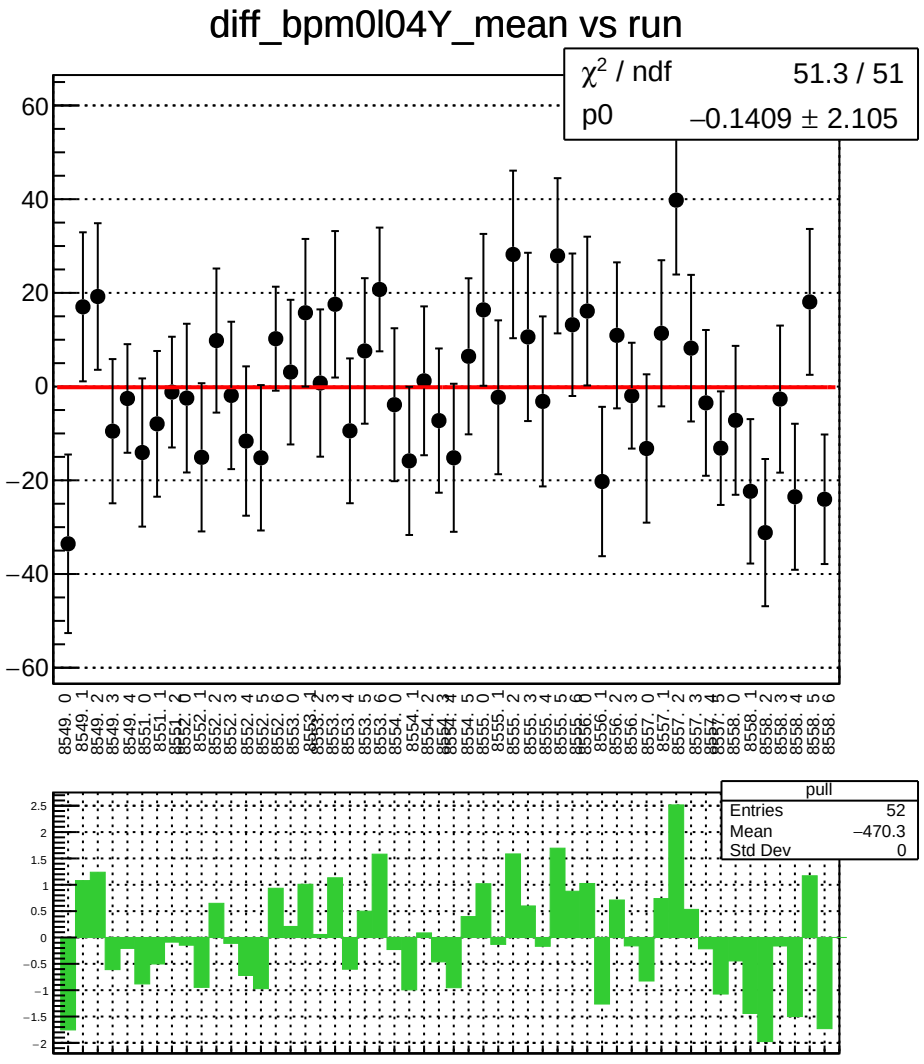

pull1D
Entries 52
Mean −0.1046
Std Dev 1.151
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

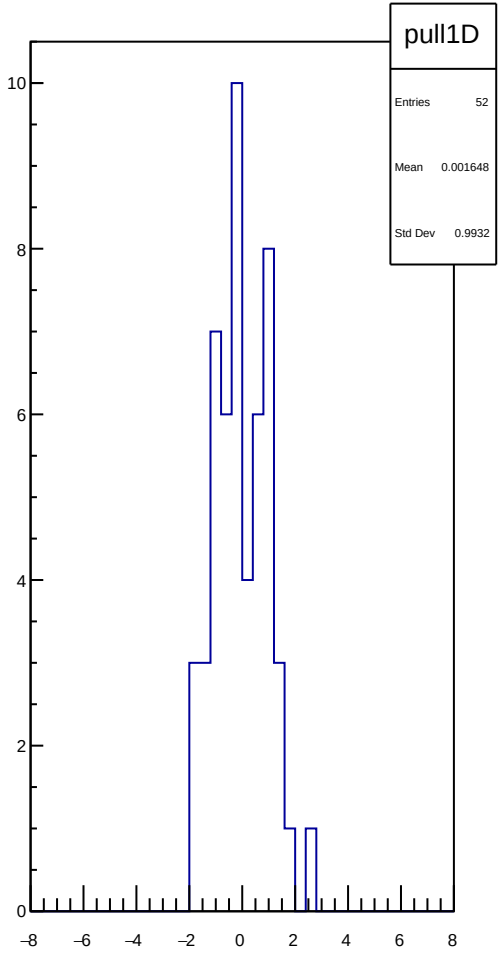

diff_bpm0l03Y_rms vs run
χ² / ndf 1.887e+05 / 51
p0 3688 ± 4.029
45000
40000
35000
30000
25000
20000
15000
10000
5000
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 0
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 1
8553. 2
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 3
8554. 4
8554. 5
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8557. 4
8557. 5
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

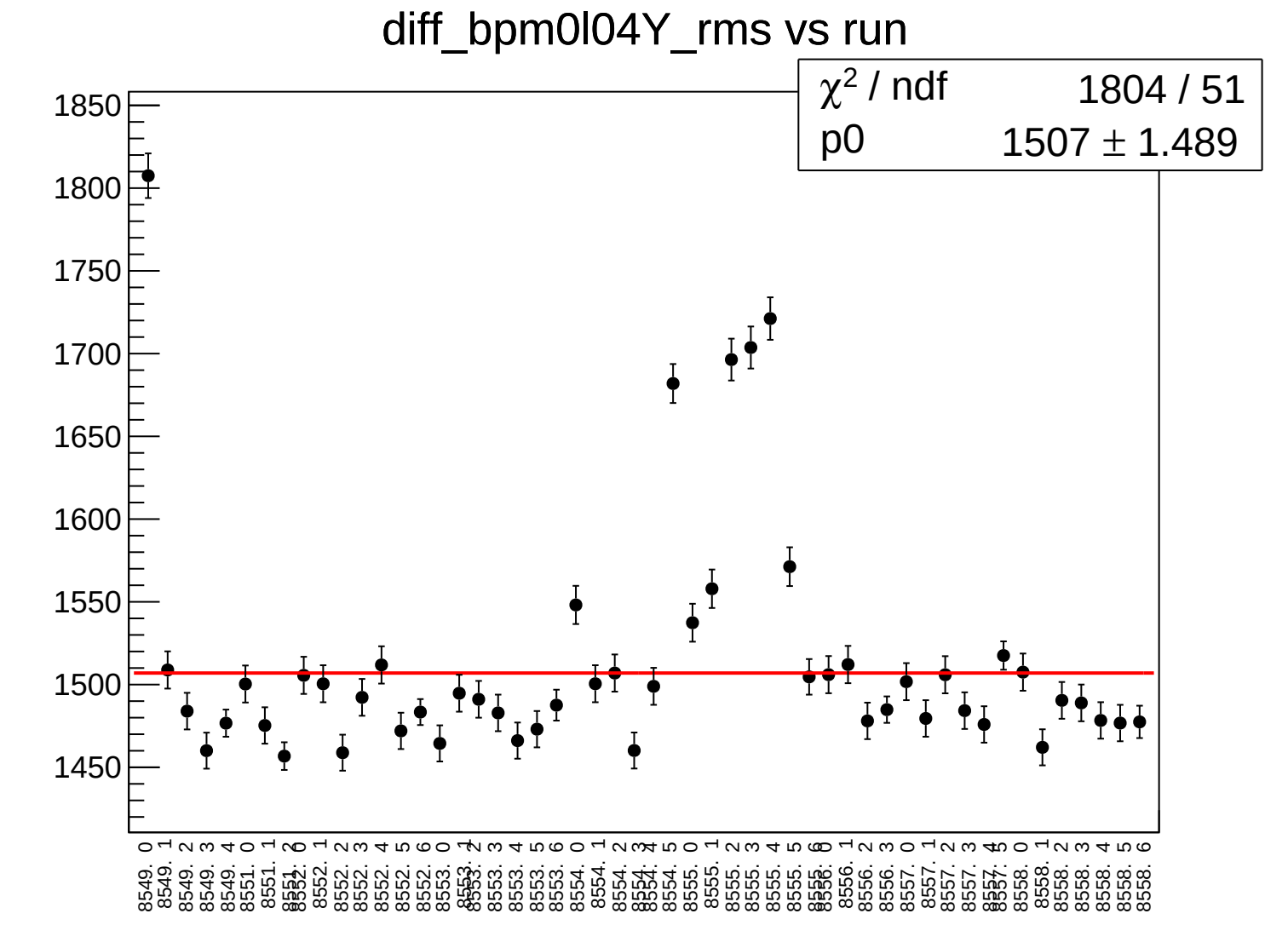

diff_bpm0l04X_mean vs run
χ² / ndf 67.24 / 51
p0 63.16 ± 13.07
pull
Entries 52
Mean 19.69
Std Dev 0

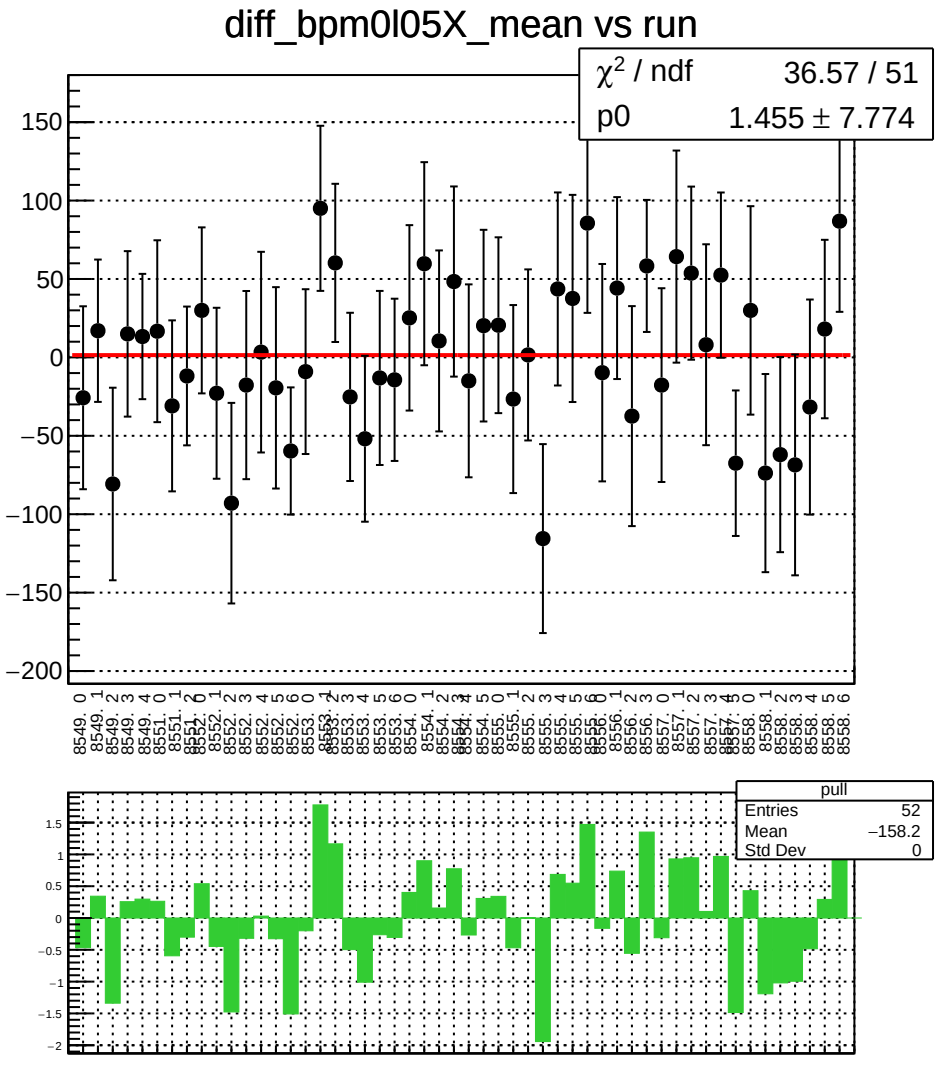

pull1D
Entries 52
Mean 0.03273
Std Dev 1.137

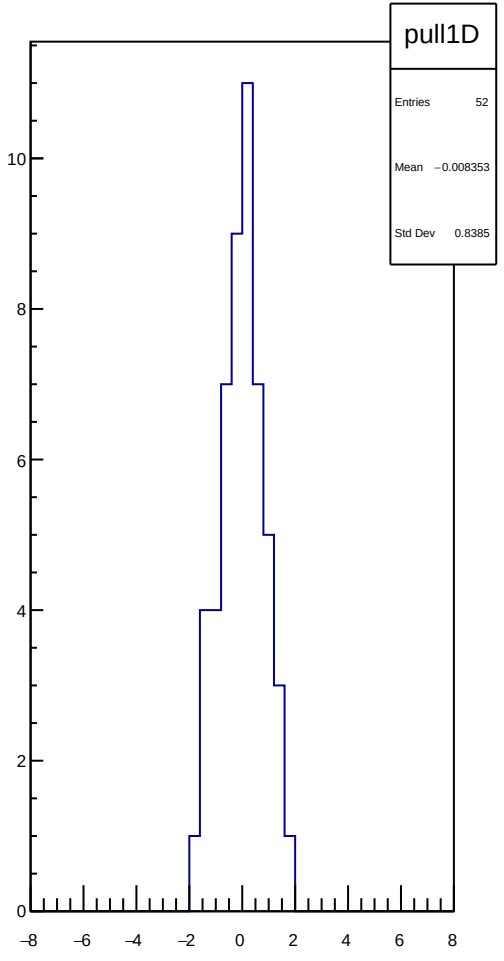

diff_bpm0l04X_rms vs run
χ² / ndf 1.218e+04 / 51
p0 9311 ± 9.244
16000
15000
14000
13000
12000
11000
10000
9000
8000
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 5
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

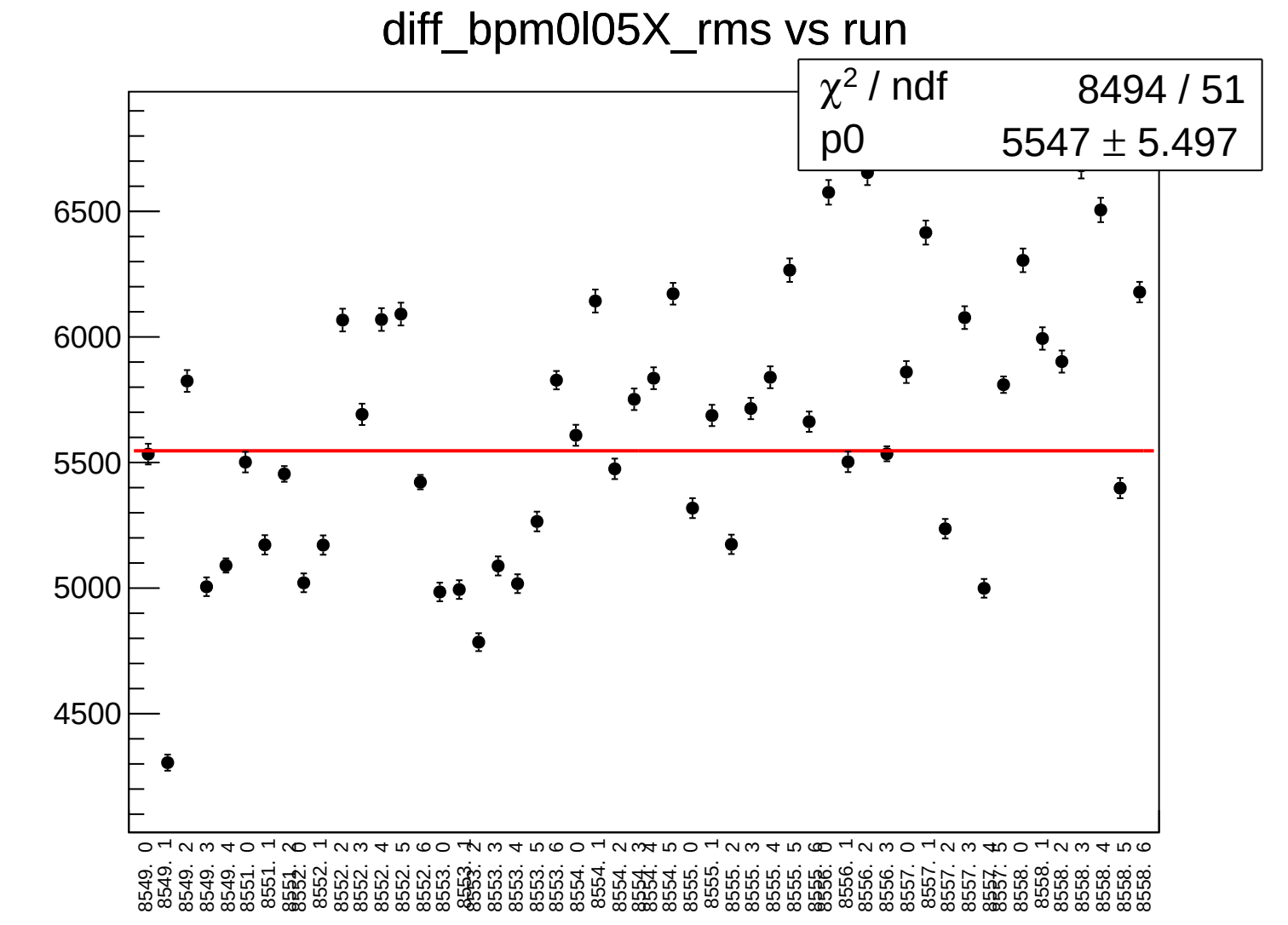

diff_bpm0l04Y_mean vs run
χ² / ndf 51.3 / 51
p0 −0.1409 ± 2.105
pull
Entries 52
Mean −470.3
Std Dev 0

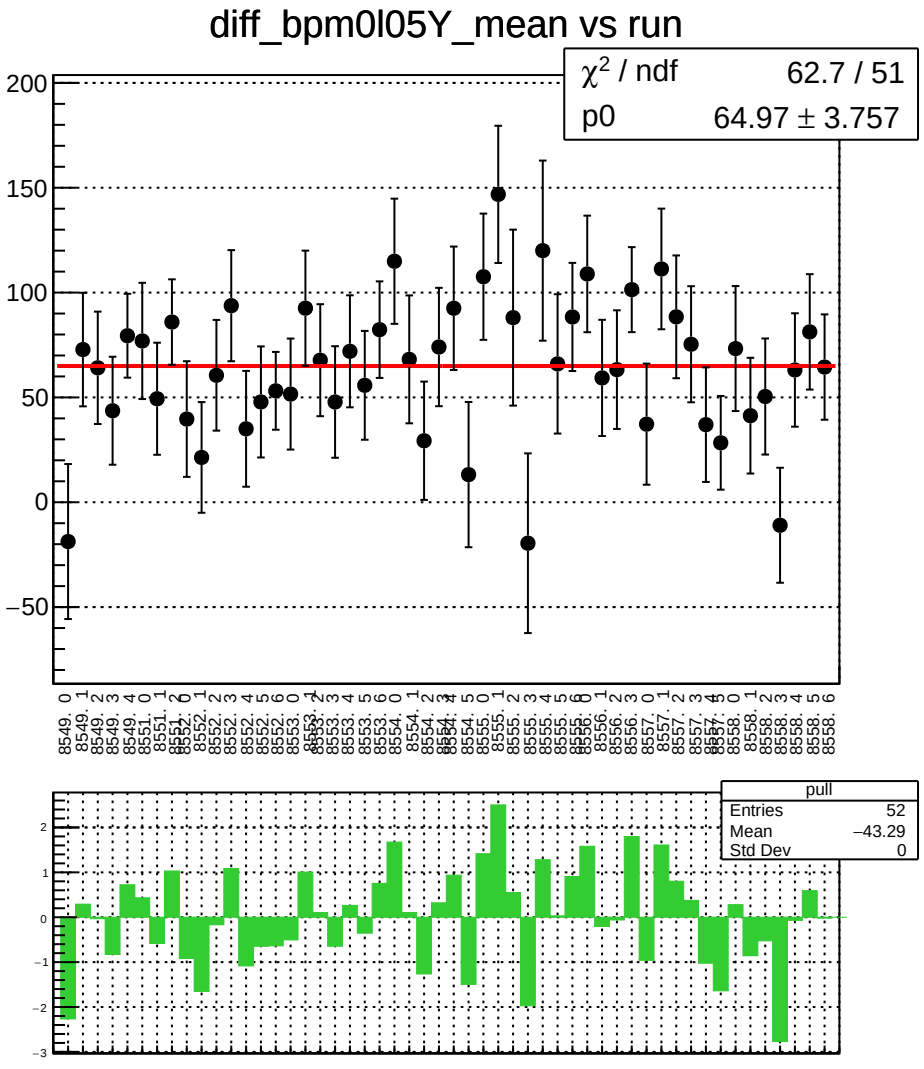

pull1D
Entries 52
Mean 0.001648
Std Dev 0.9932

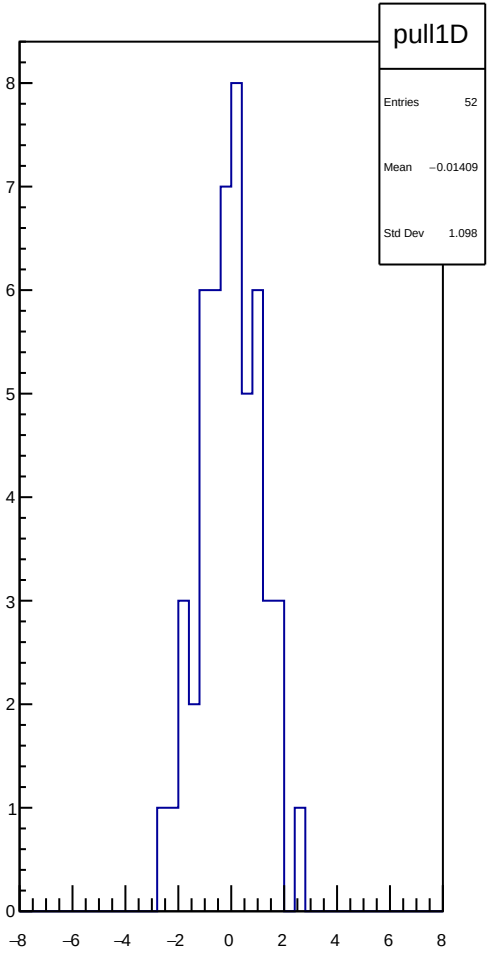

diff_bpm0l04Y_rms vs run
χ² / ndf 1804 / 51
p0 1507 ± 1.489
1850
1800
1750
1700
1650
1600
1550
1500
1450
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

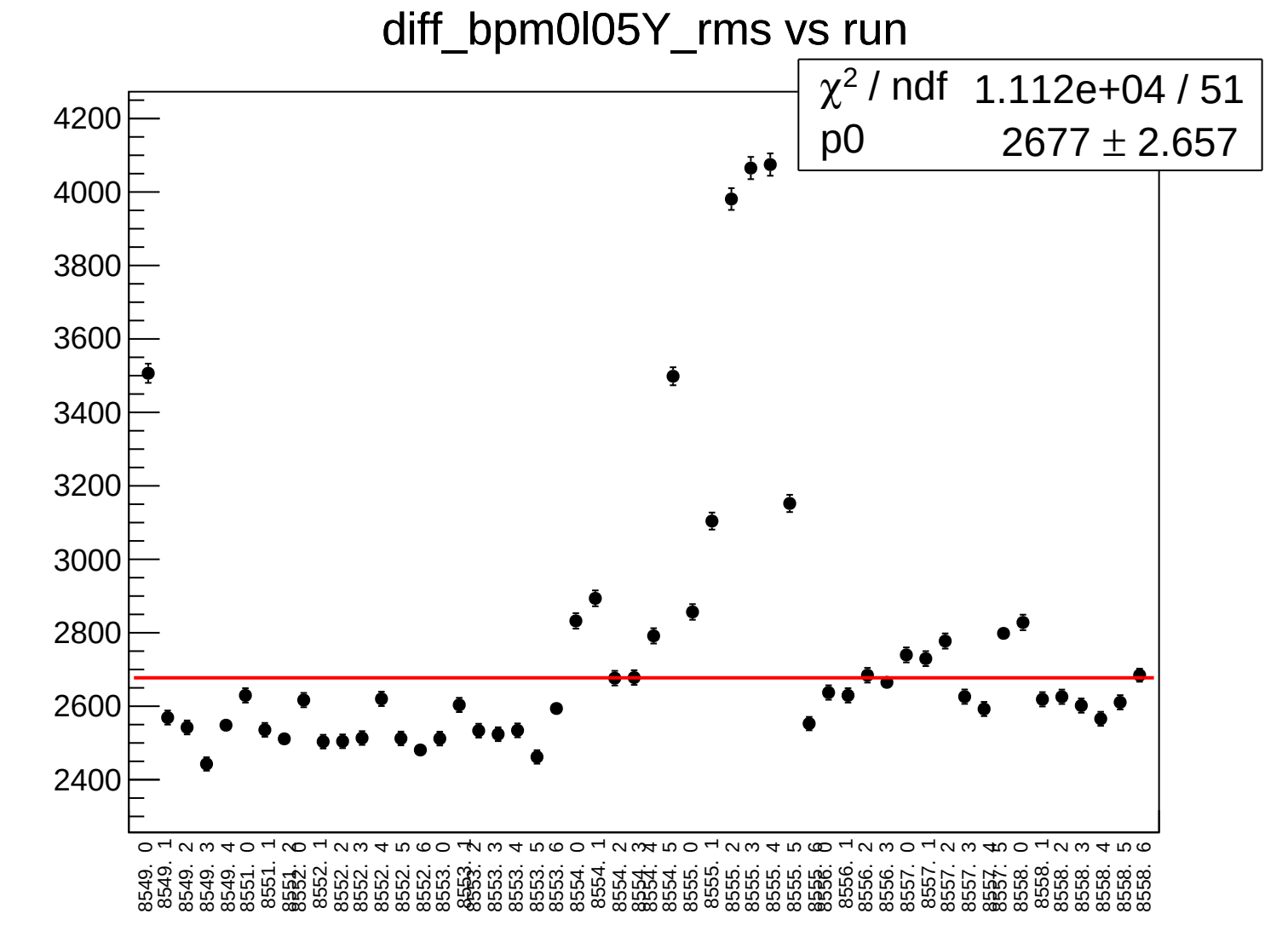

diff_bpm0l05X_mean vs run
χ^2 / ndf 36.57 / 51
p0 1.455 ± 7.774
pull
Entries 52
Mean −158.2
Std Dev 0

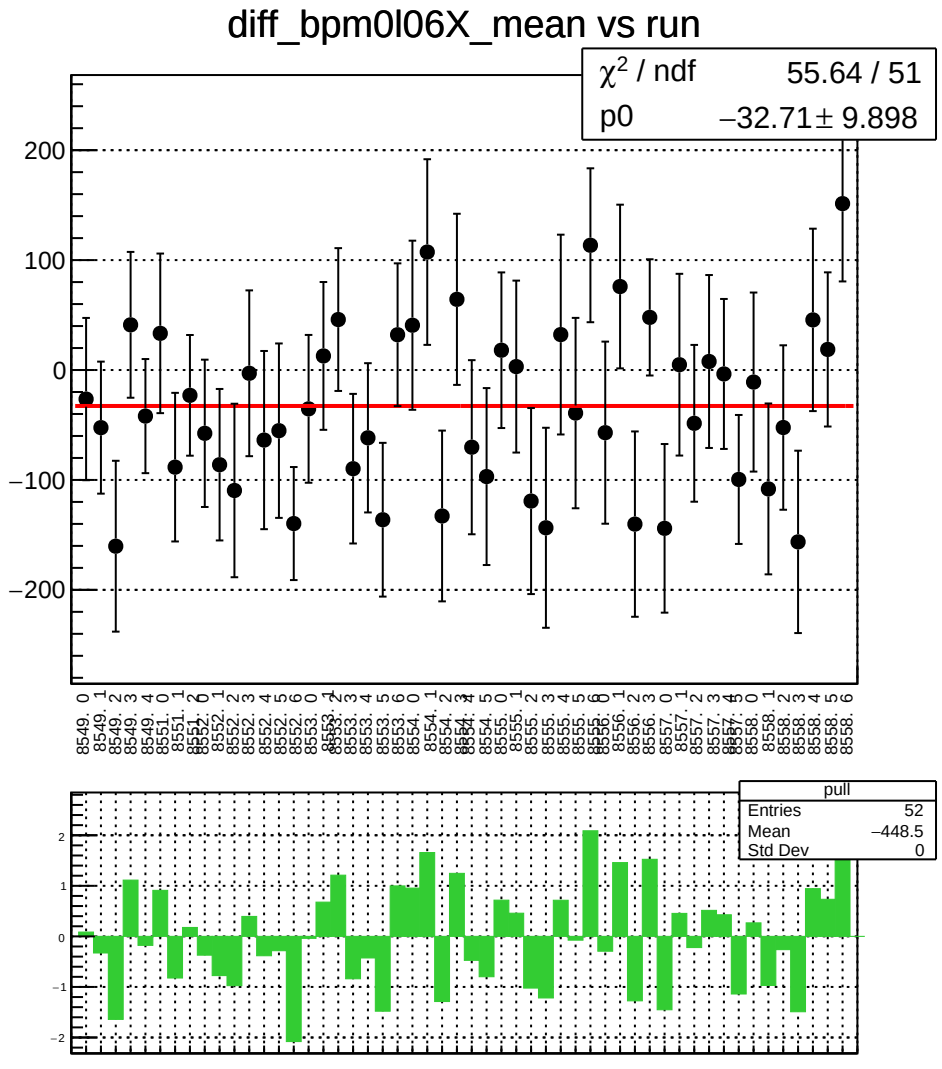

pull1D
Entries 52
Mean −0.008353
Std Dev 0.8385

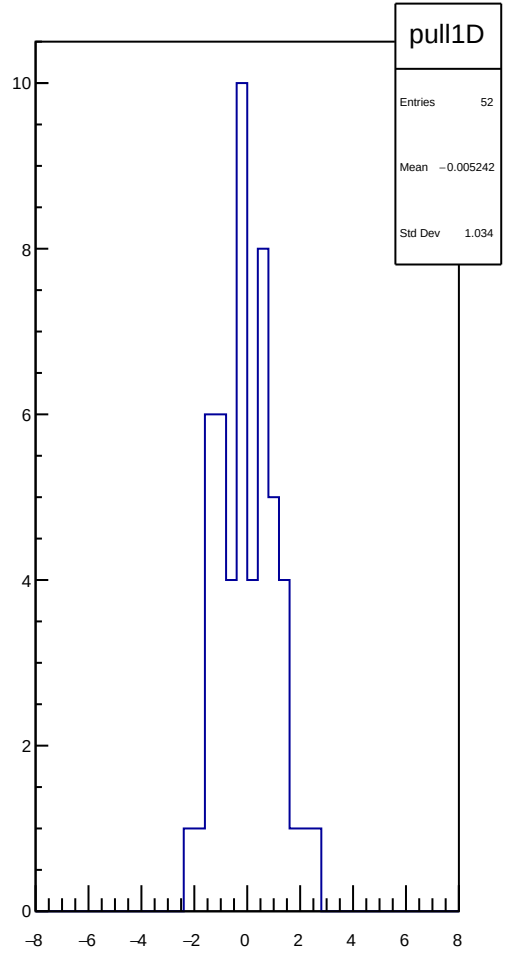

diff_bpm0l05X_rms vs run
χ² / ndf 8494 / 51
p0 5547 ± 5.497
6500
6000
5500
5000
4500
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 5
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

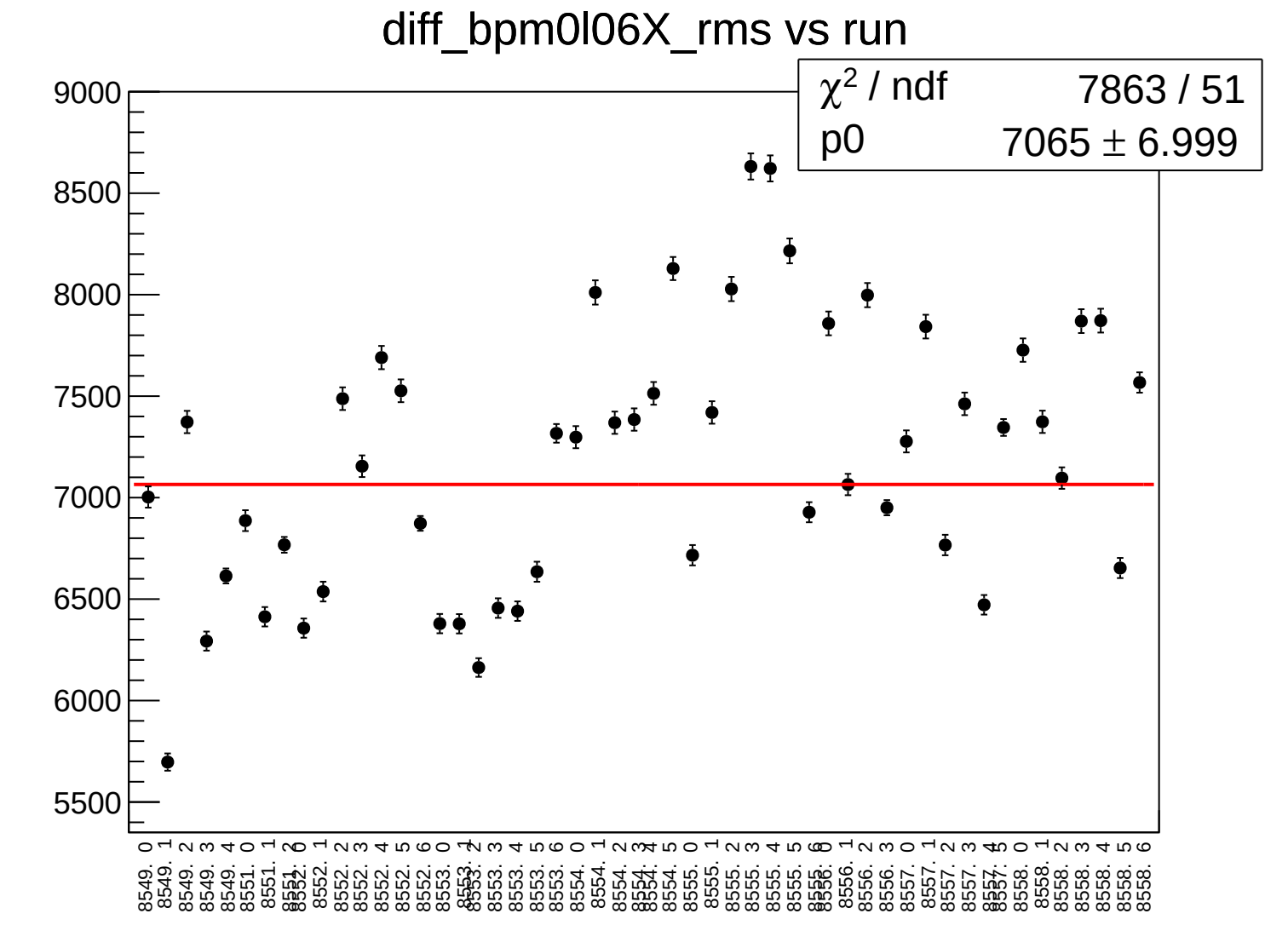

diff_bpm0l05Y_mean vs run
χ² / ndf 62.7 / 51
p0 64.97 ± 3.757
pull
Entries 52
Mean −43.29
Std Dev 0

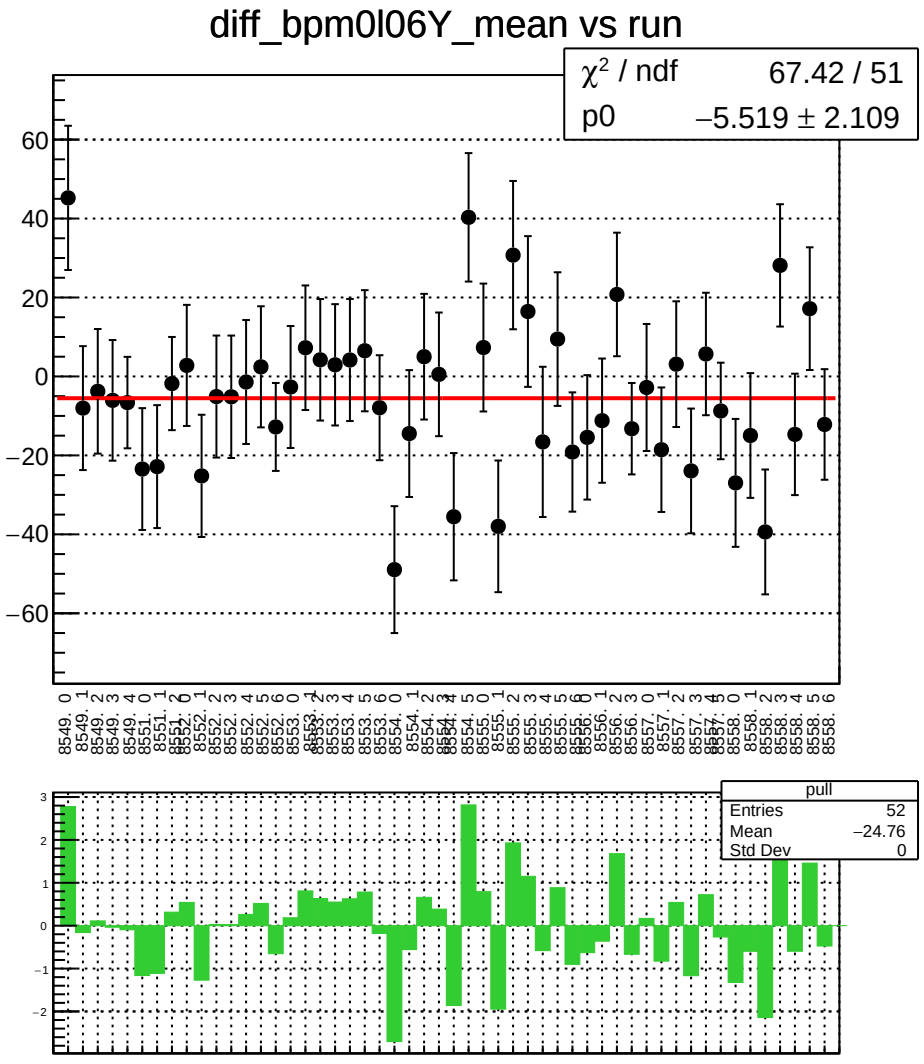

pull1D
Entries 52
Mean −0.01409
Std Dev 1.098

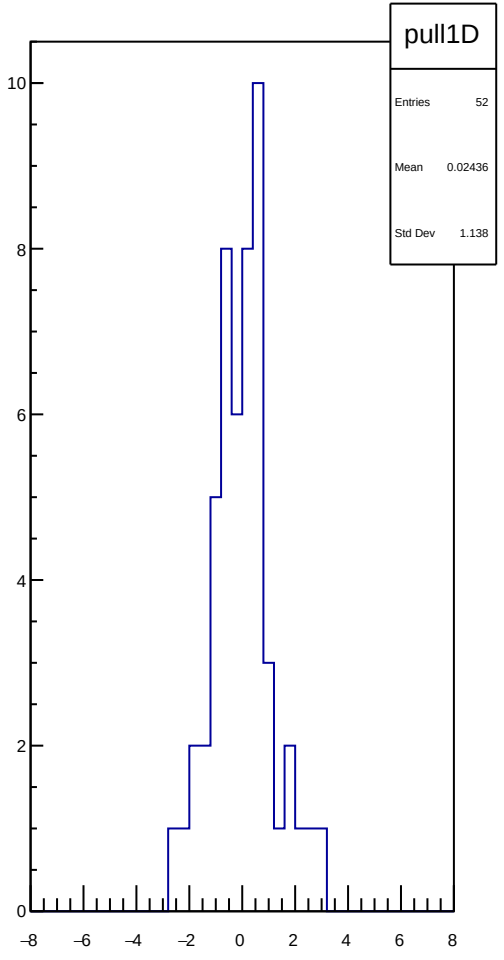

diff_bpm0l05Y_rms vs run
χ² / ndf 1.112e+04 / 51
p0 2677 ± 2.657
4200
4000
3800
3600
3400
3200
3000
2800
2600
2400
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 5
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

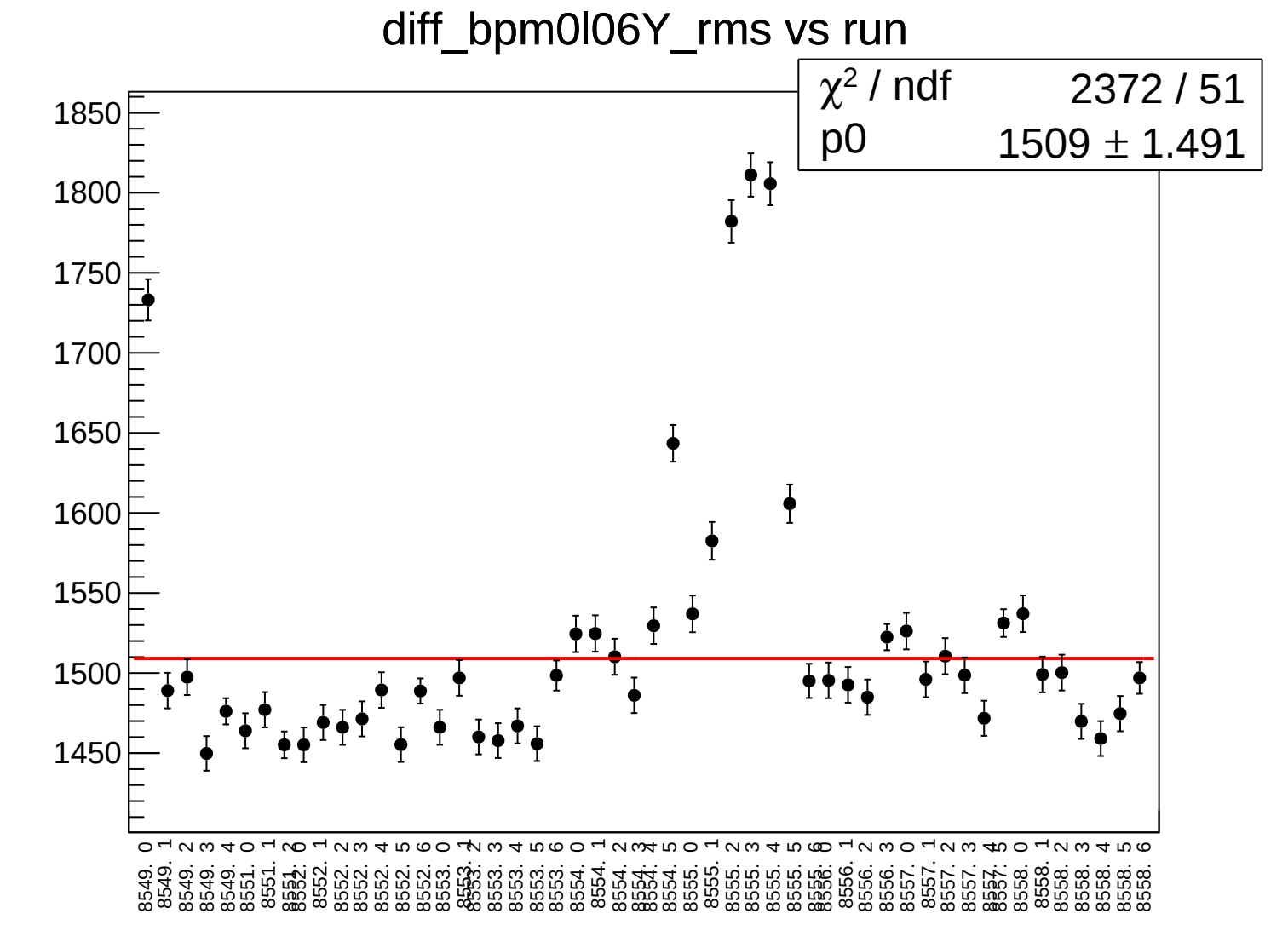

diff_bpm0l06X_mean vs run
χ² / ndf 55.64 / 51
p0 −32.71± 9.898
200
100
0
−100
−200
pull
Entries 52
Mean −448.5
Std Dev 0
2
1
0
−1
−2

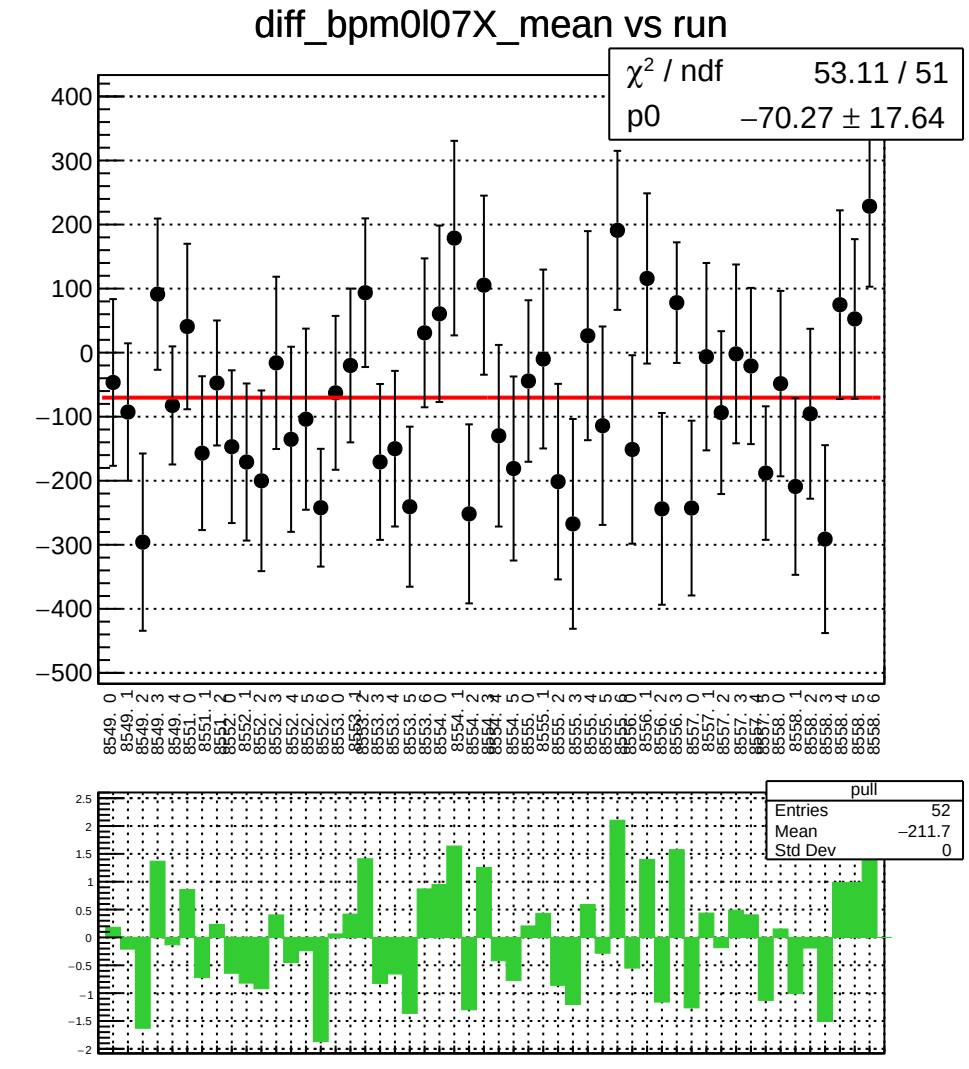

pull1D
Entries 52
Mean −0.005242
Std Dev 1.034
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

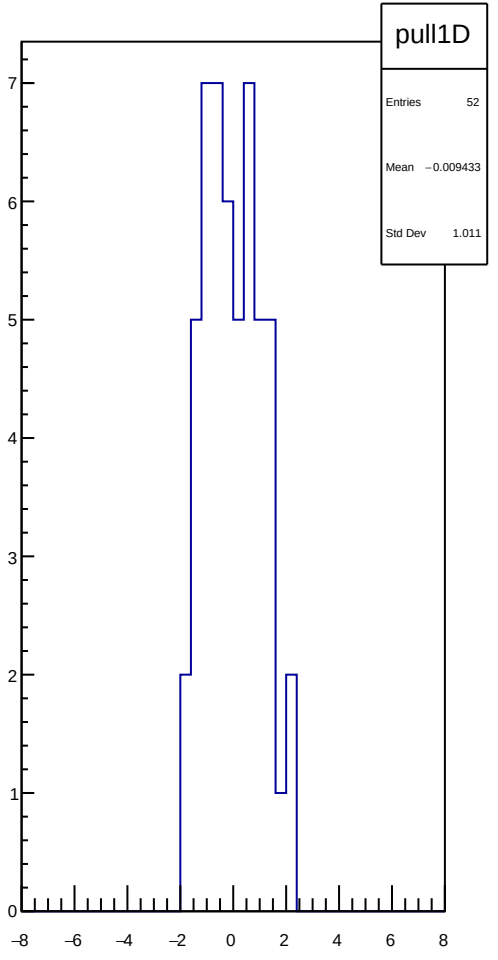

diff_bpm0l06X_rms vs run
χ² / ndf 7863 / 51
p0 7065 ± 6.999
9000
8500
8000
7500
7000
6500
6000
5500
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 5
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

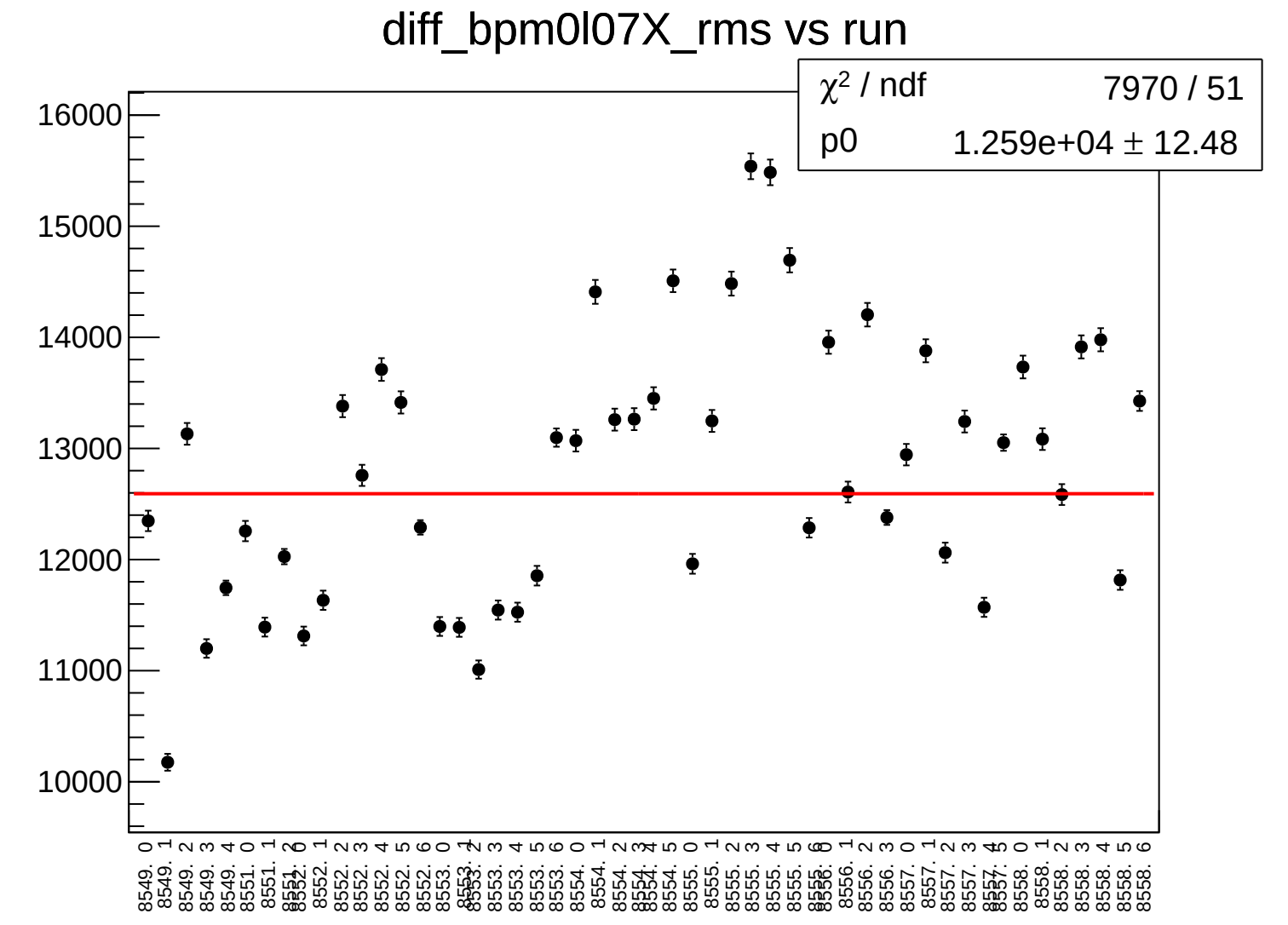

diff_bpm0l06Y_mean vs run
χ² / ndf 67.42 / 51
p0 −5.519 ± 2.109
pull
Entries 52
Mean −24.76
Std Dev 0

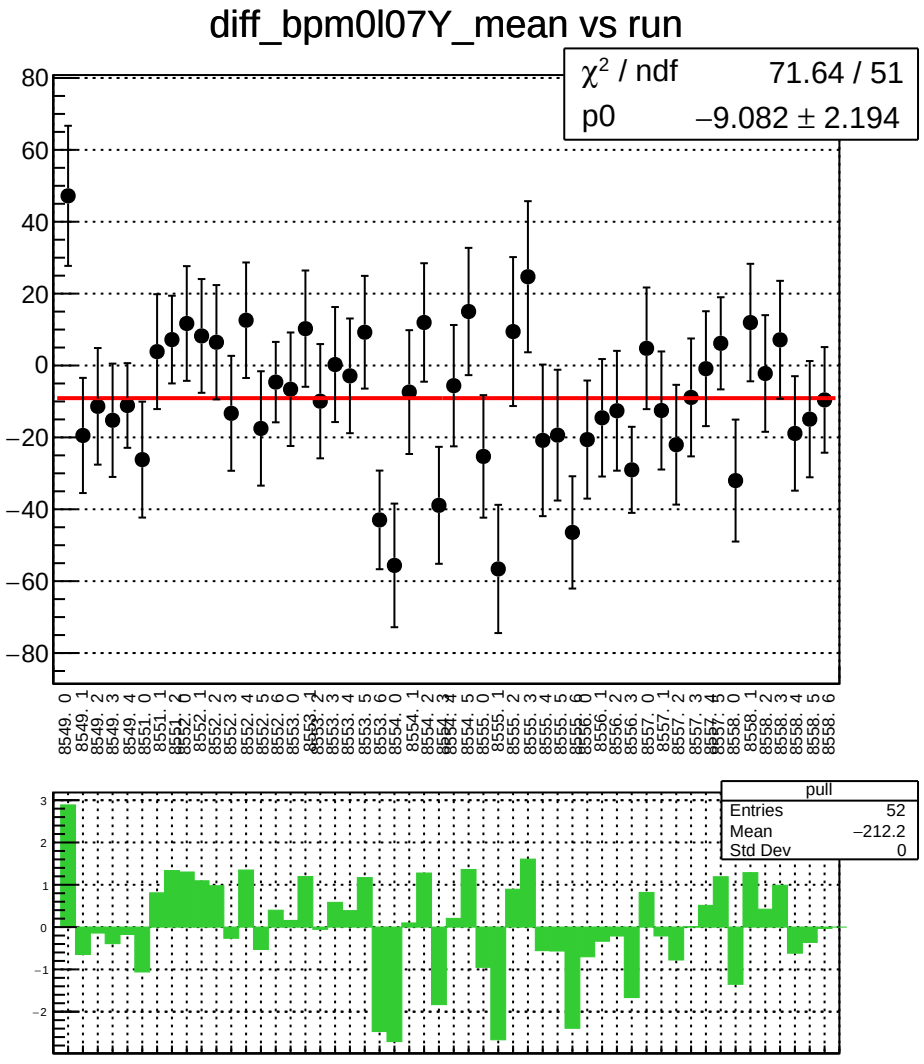

pull1D
Entries 52
Mean 0.02436
Std Dev 1.138

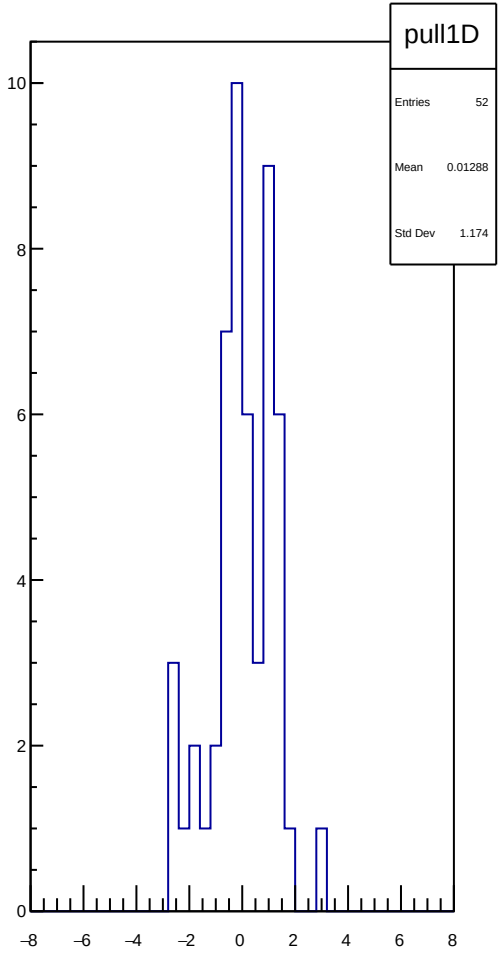

diff_bpm0l06Y_rms vs run
χ² / ndf 2372 / 51
p0 1509 ± 1.491
1850
1800
1750
1700
1650
1600
1550
1500
1450
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

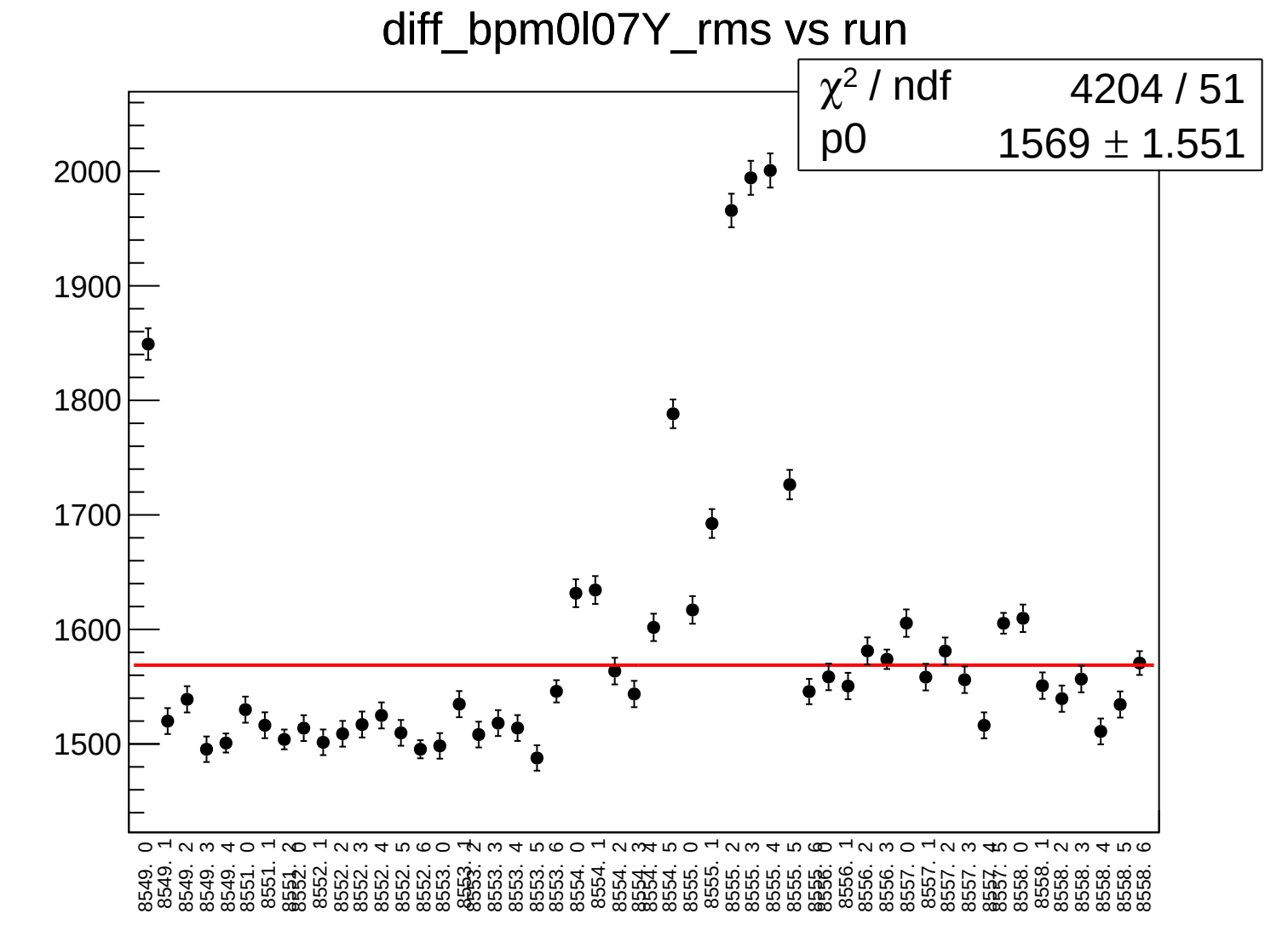

diff_bpm0l07X_mean vs run
χ² / ndf 53.11 / 51
p0 −70.27 ± 17.64
pull
Entries 52
Mean −211.7
Std Dev 0

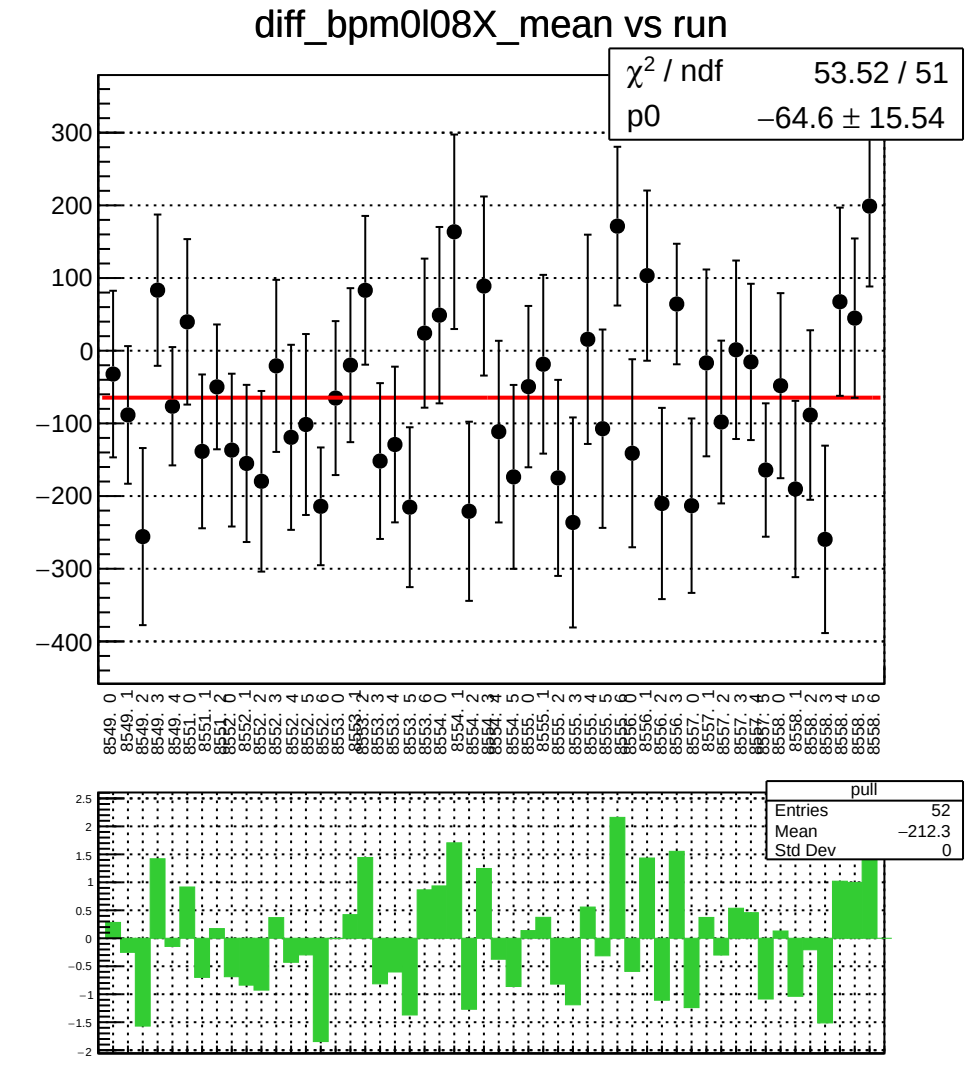

pull1D
Entries 52
Mean −0.009433
Std Dev 1.011

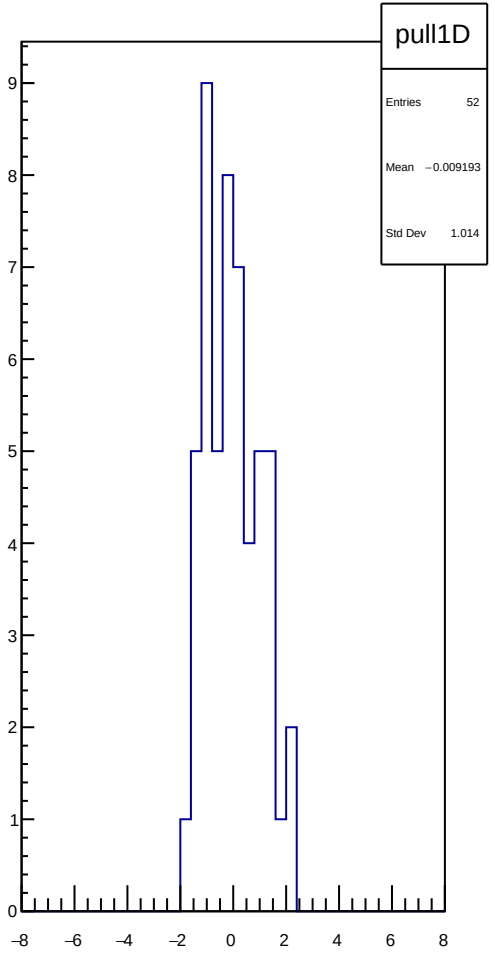

diff_bpm0l07X_rms vs run
χ² / ndf 7970 / 51
p0 1.259e+04 ± 12.48
16000
15000
14000
13000
12000
11000
10000
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 5
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

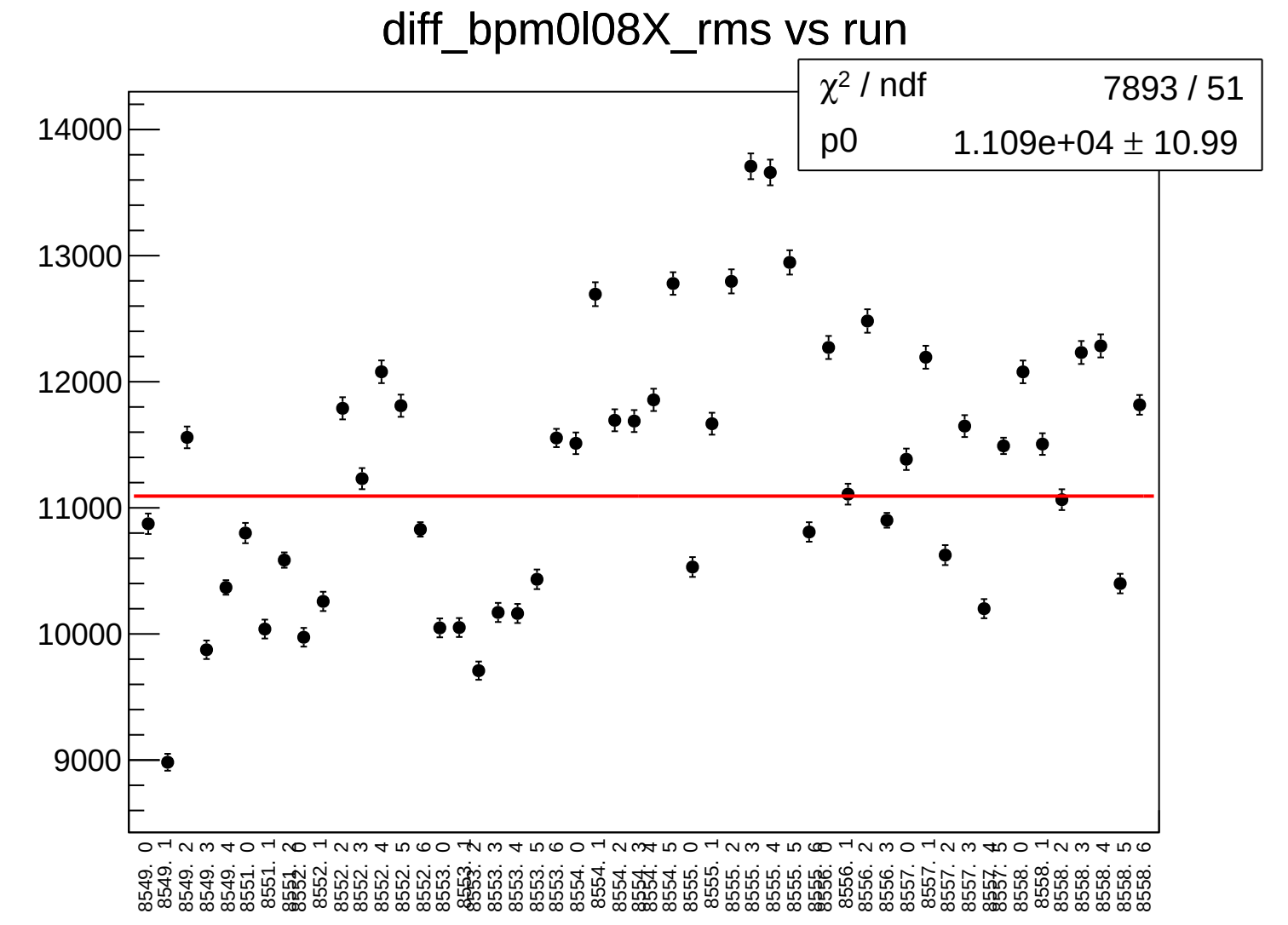

diff_bpm0l07Y_mean vs run
χ² / ndf 71.64 / 51
p0 −9.082 ± 2.194
pull
Entries 52
Mean −212.2
Std Dev 0

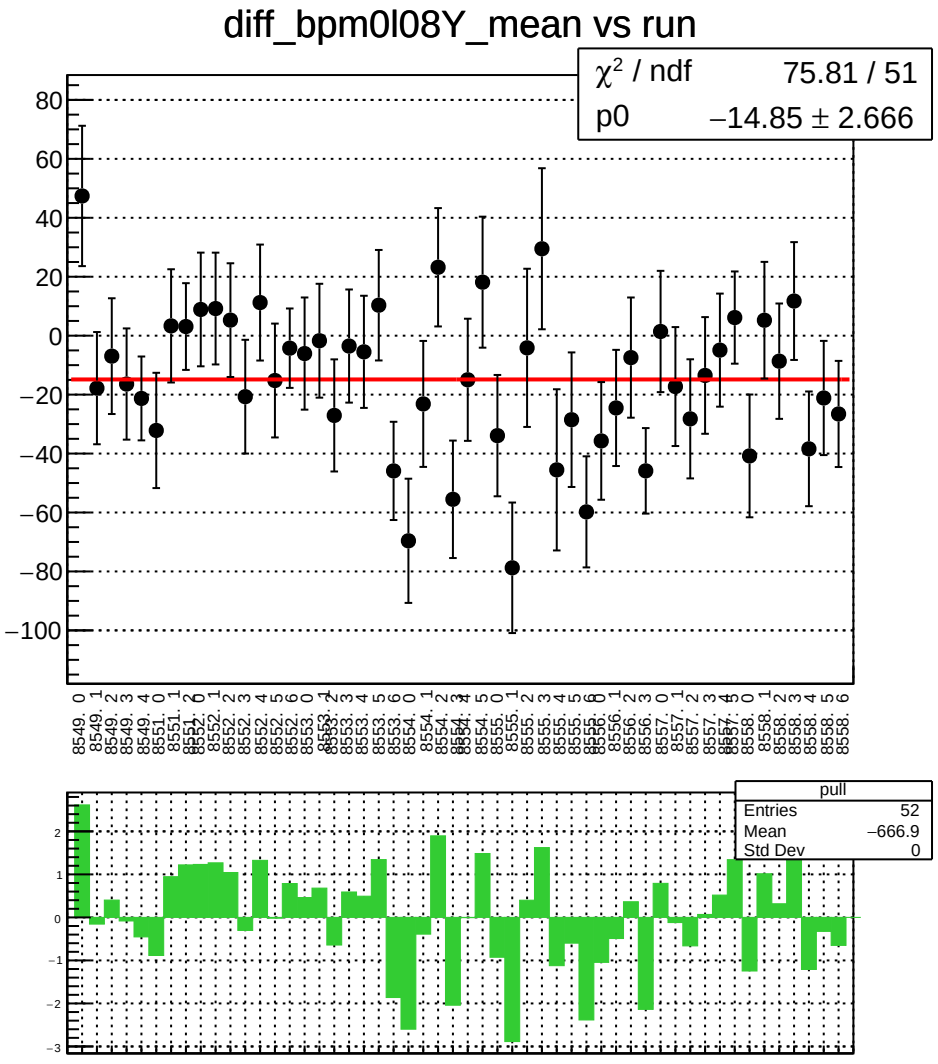

pull1D
Entries 52
Mean 0.01288
Std Dev 1.174

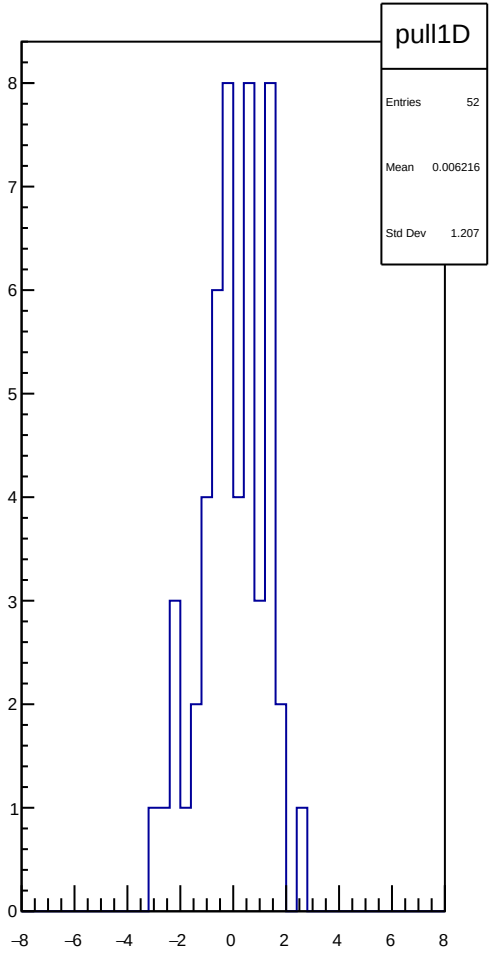

diff_bpm0l07Y_rms vs run
χ² / ndf 4204 / 51
p0 1569 ± 1.551
2000
1900
1800
1700
1600
1500
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 5
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

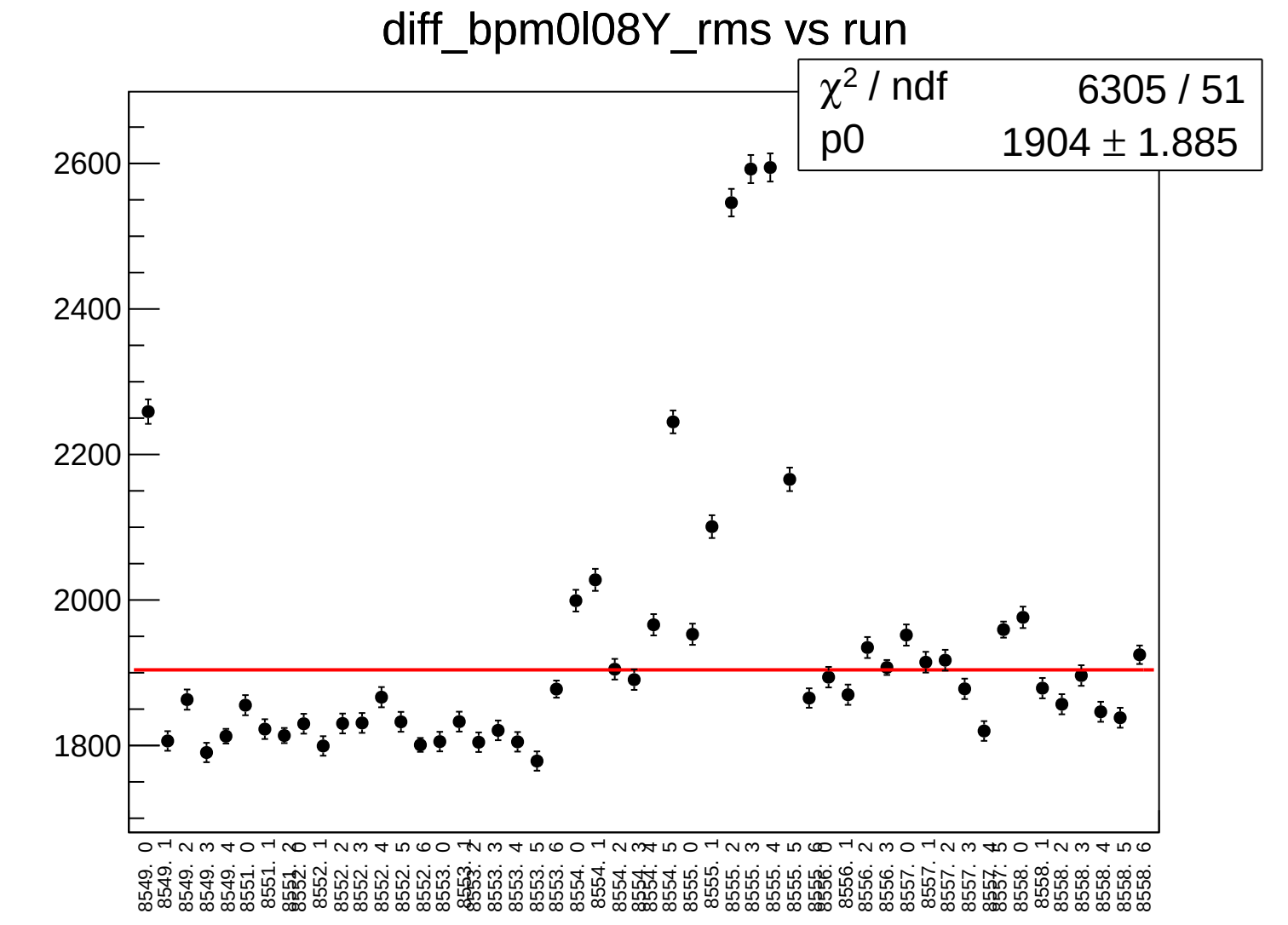

diff_bpm0l08X_mean vs run
χ² / ndf 53.52 / 51
p0 −64.6 ± 15.54
pull
Entries 52
Mean −212.3
Std Dev 0


pull1D
Entries 52
Mean −0.009193
Std Dev 1.014


diff_bpm0l08X_rms vs run
χ² / ndf 7893 / 51
p0 1.109e+04 ± 10.99
14000
13000
12000
11000
10000
9000
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 5
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6


diff_bpm0l08Y_mean vs run
χ² / ndf 75.81 / 51
p0 −14.85 ± 2.666
pull
Entries 52
Mean −666.9
Std Dev 0


pull1D
Entries 52
Mean 0.006216
Std Dev 1.207


diff_bpm0l08Y_rms vs run
χ² / ndf 6305 / 51
p0 1904 ± 1.885
2600
2400
2200
2000
1800
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8551. 2
8551. 6
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 1
8553. 2
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 3
8554. 4
8554. 5
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8555. 6
8556. 0
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
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8558. 0
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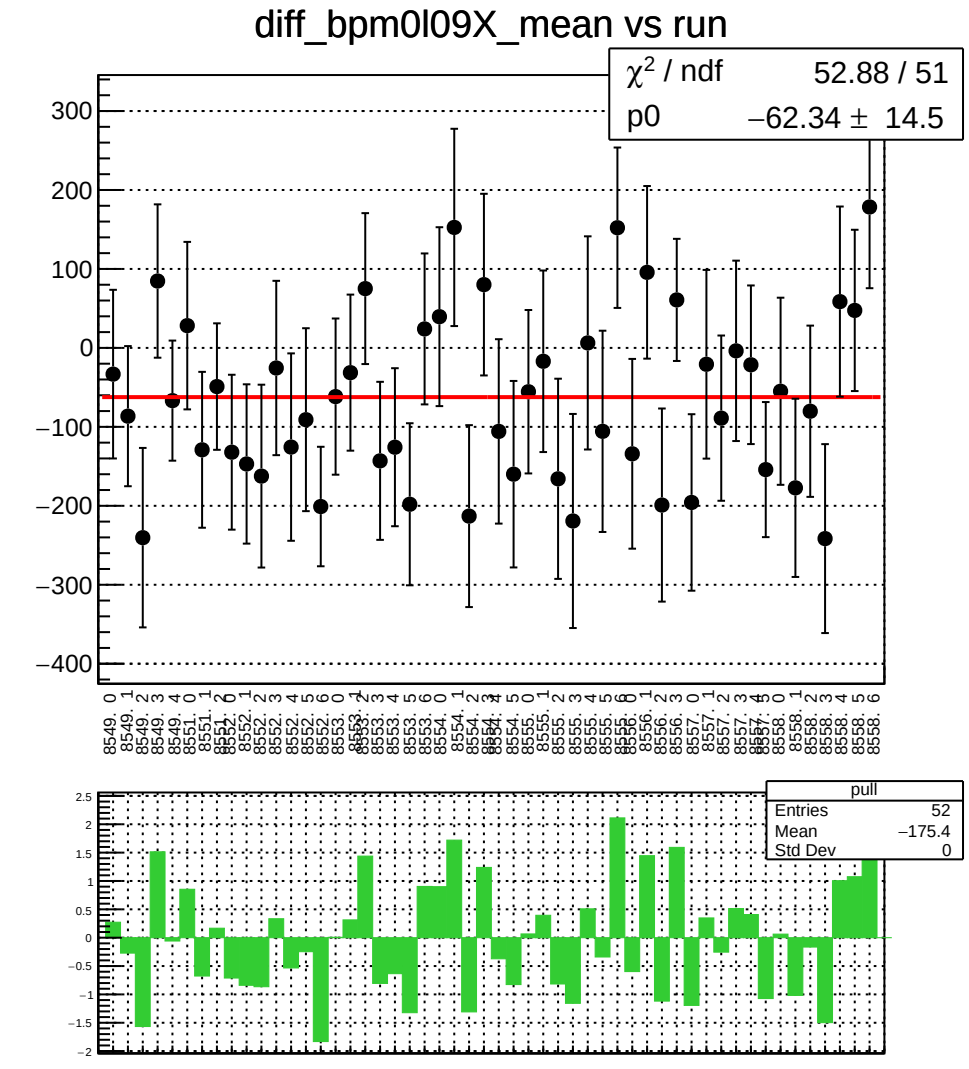
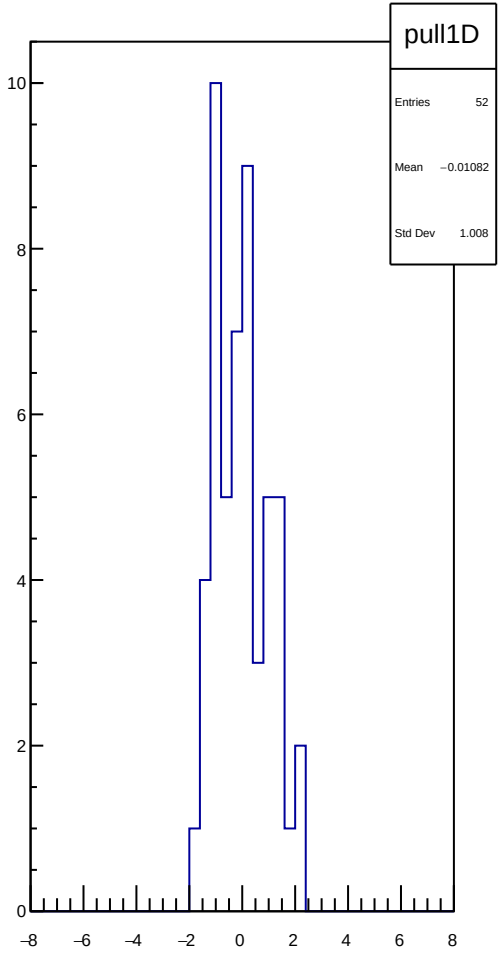
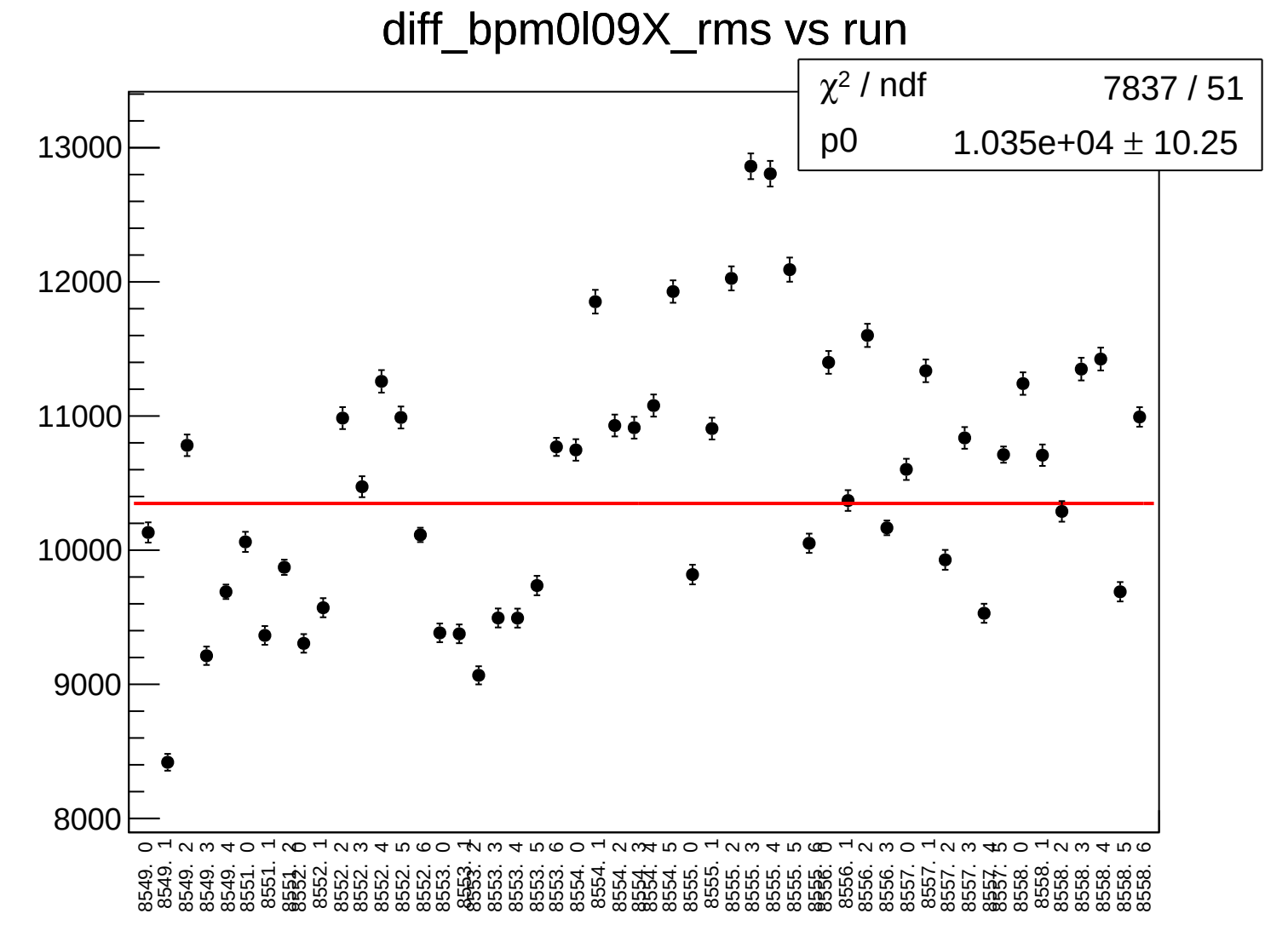
8558. 5
8558. 6


diff_bpm0l09X_mean vs run
χ² / ndf 52.88 / 51
p0 −62.34 ± 14.5
pull
Entries 52
Mean −175.4
Std Dev 0


pull1D
Entries 52
Mean −0.01082
Std Dev 1.008


diff_bpm0l09X_rms vs run
χ² / ndf 7837 / 51
p0 1.035e+04 ± 10.25
13000
12000
11000
10000
9000
8000
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 5
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8555. 2
8555. 3
8555. 4
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8556. 1
8556. 2
8556. 3
8557. 0
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8558. 0
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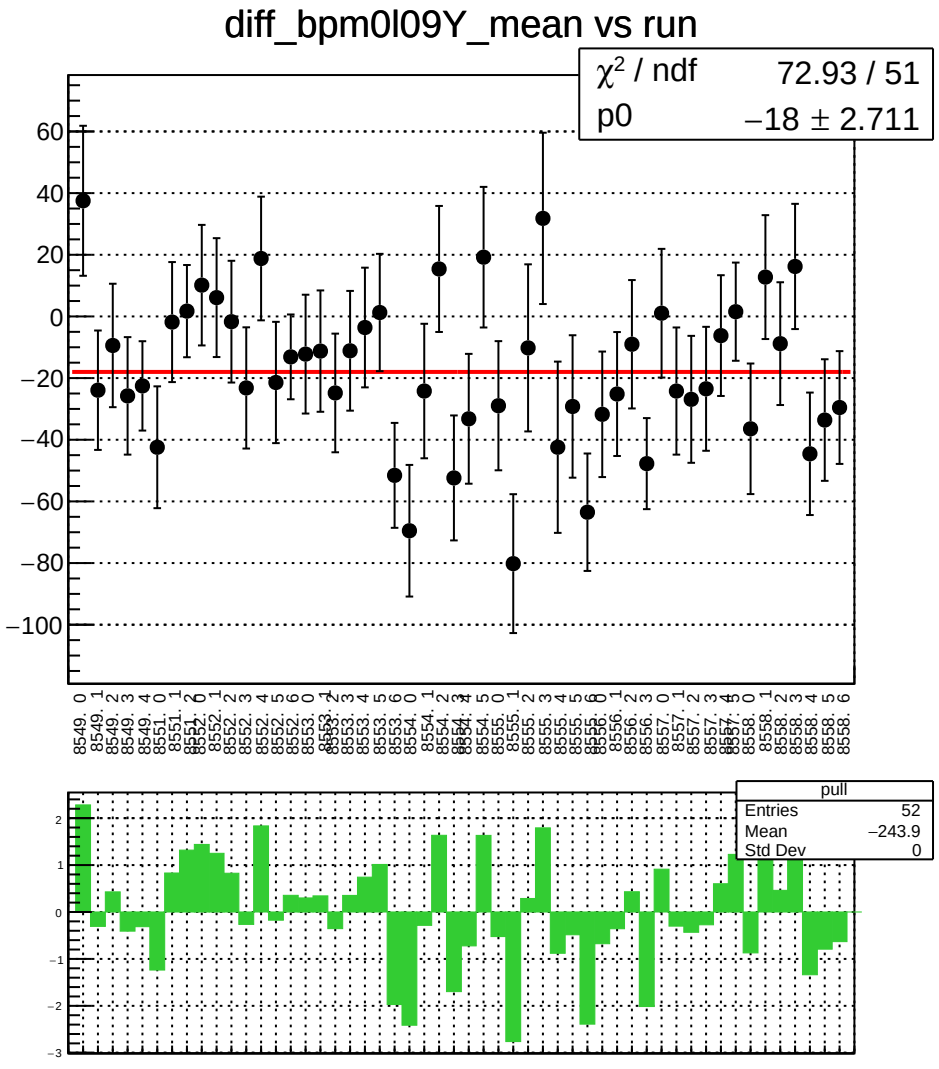
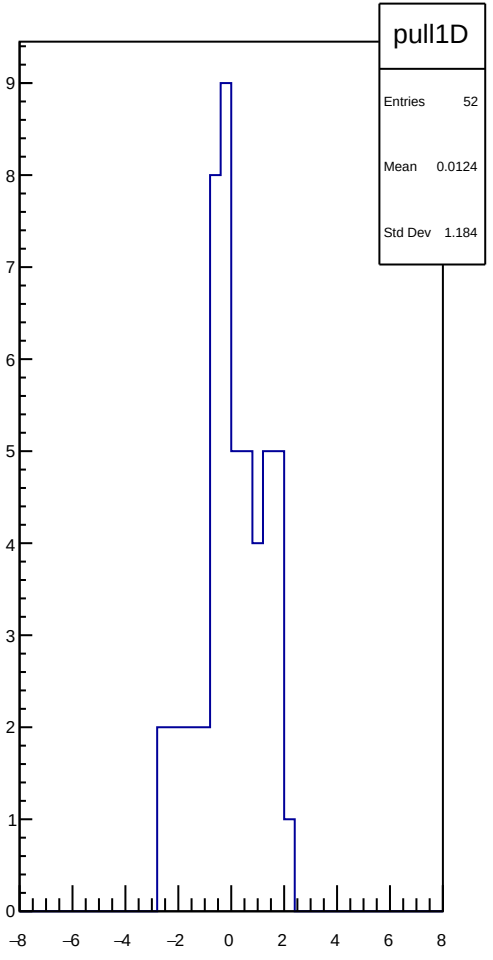
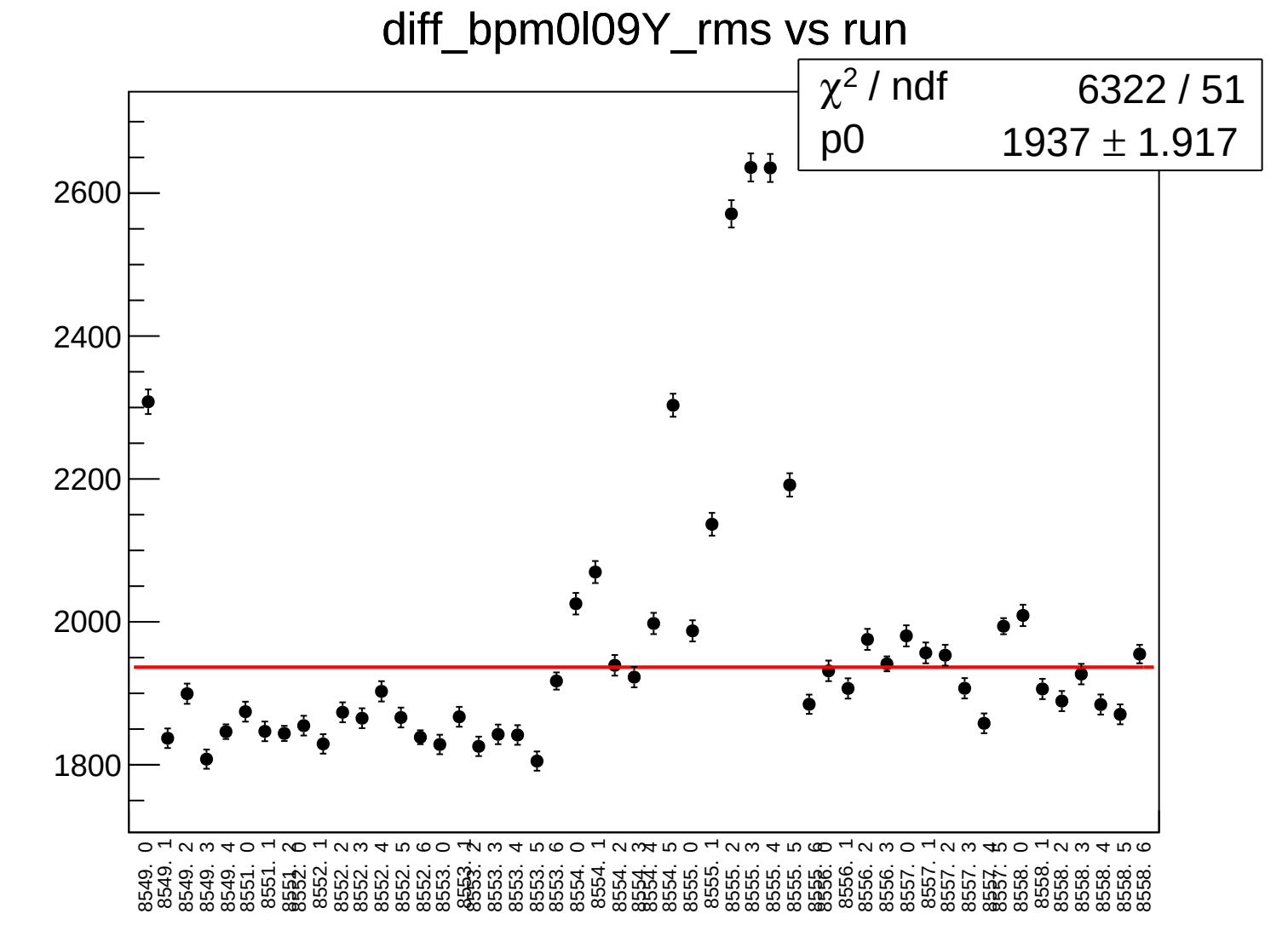
8558. 5
8558. 6


diff_bpm0l09Y_mean vs run
χ² / ndf 72.93 / 51
p0 −18 ± 2.711
pull
Entries 52
Mean −243.9
Std Dev 0


pull1D
Entries 52
Mean 0.0124
Std Dev 1.184


diff_bpm0l09Y_rms vs run
χ² / ndf 6322 / 51
p0 1937 ± 1.917
2600
2400
2200
2000
1800
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
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8557. 2
8557. 3
8558. 0
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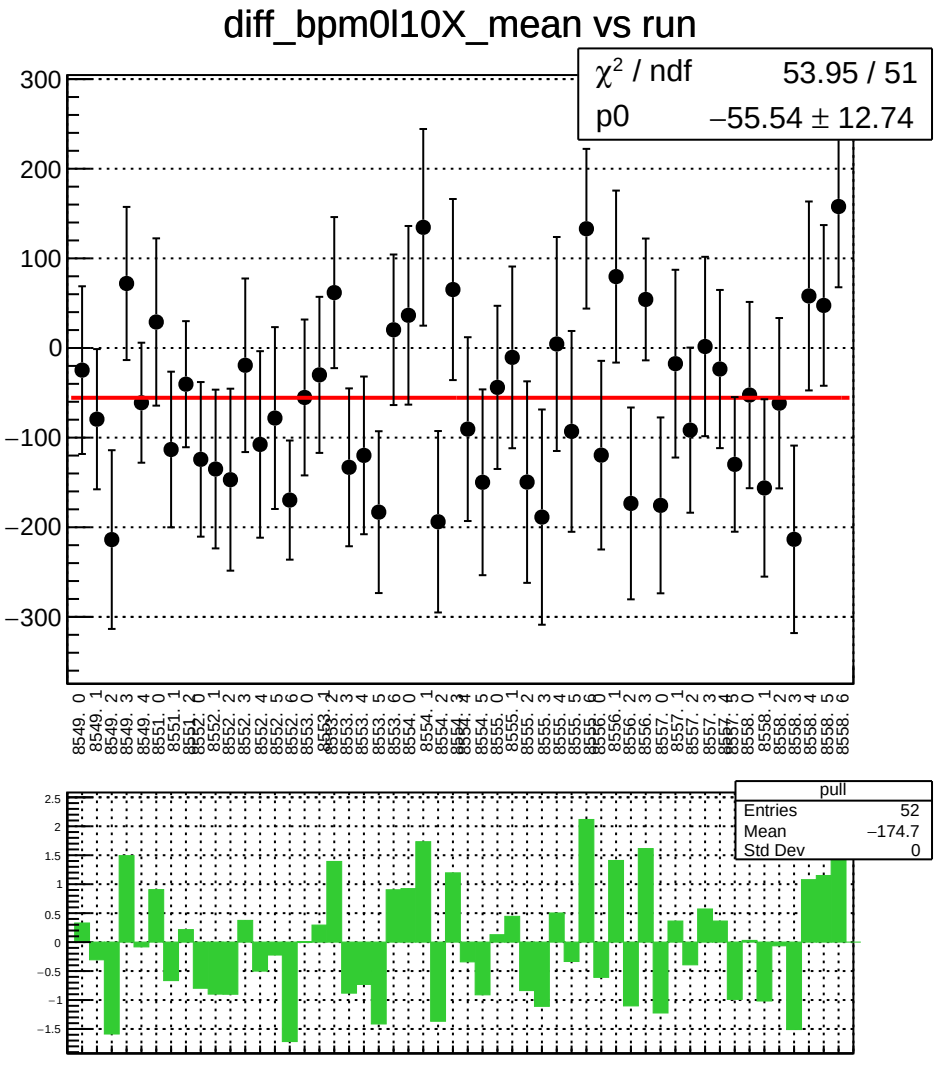
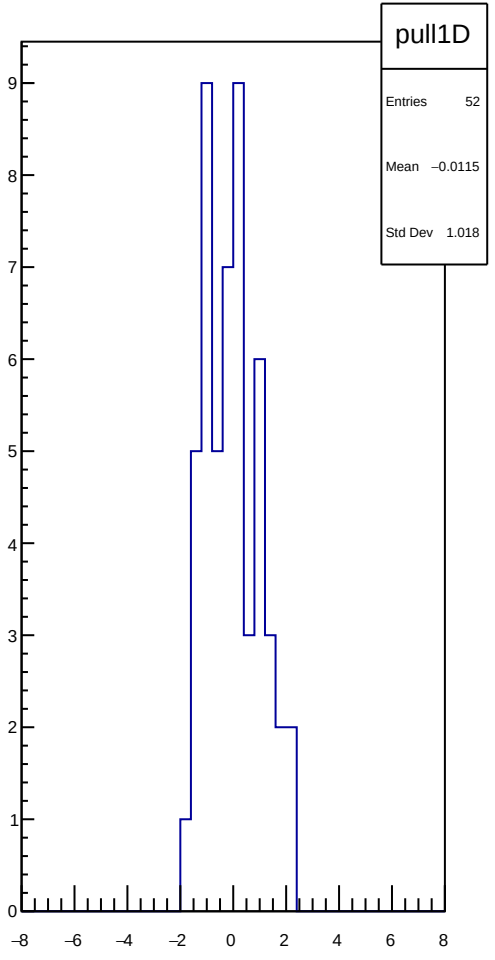
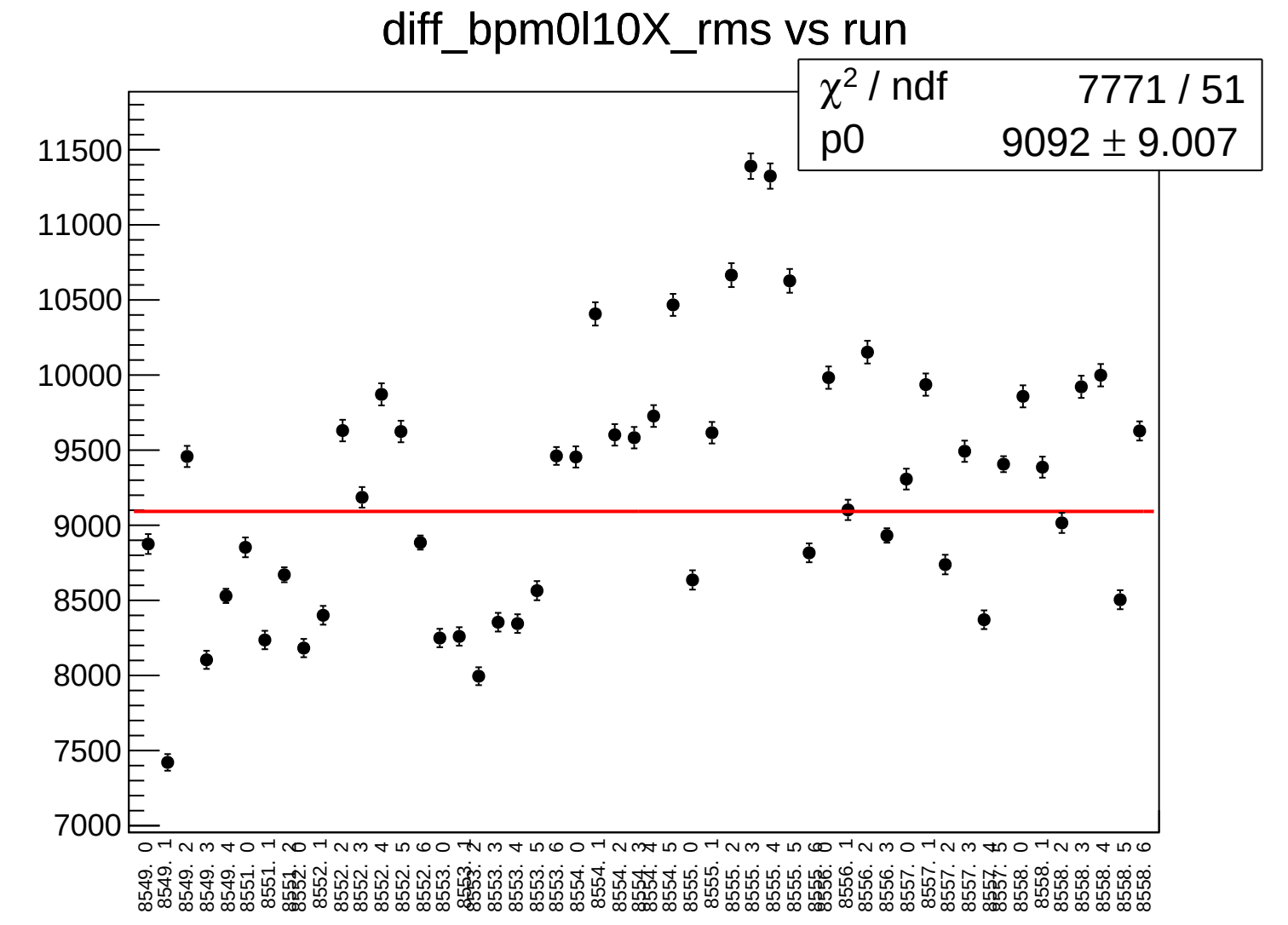
8558. 5
8558. 6


diff_bpm0l10X_mean vs run
χ² / ndf 53.95 / 51
p0 −55.54 ± 12.74
pull
Entries 52
Mean −174.7
Std Dev 0


pull1D
Entries 52
Mean −0.0115
Std Dev 1.018


diff_bpm0l10X_rms vs run
χ² / ndf 7771 / 51
p0 9092 ± 9.007
11500
11000
10500
10000
9500
9000
8500
8000
7500
7000
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
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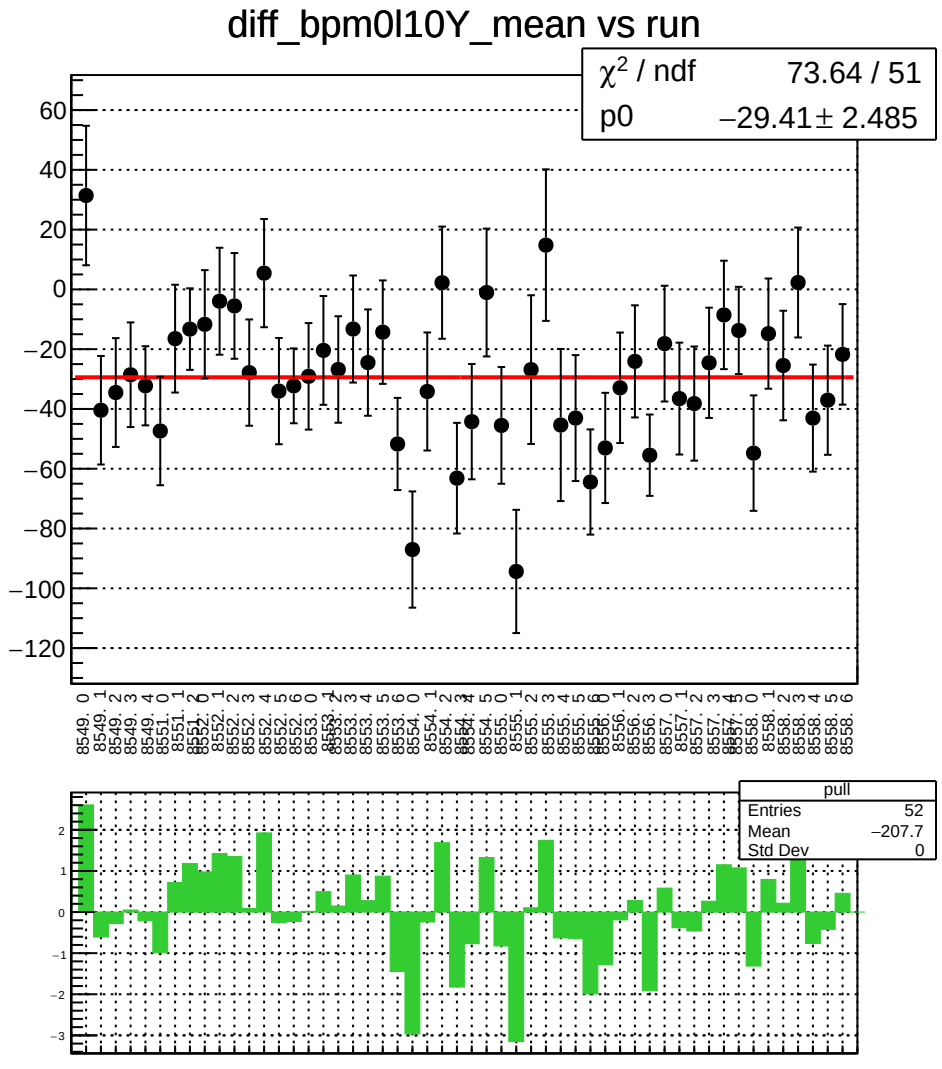
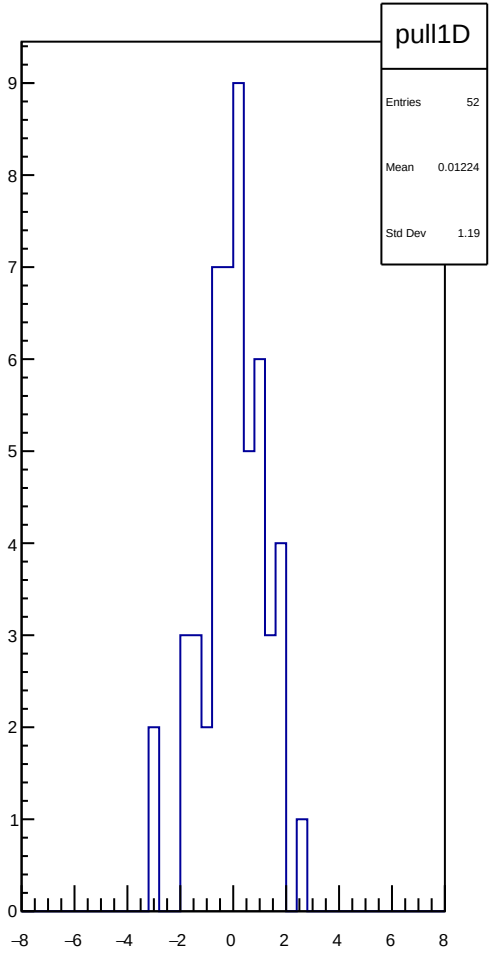
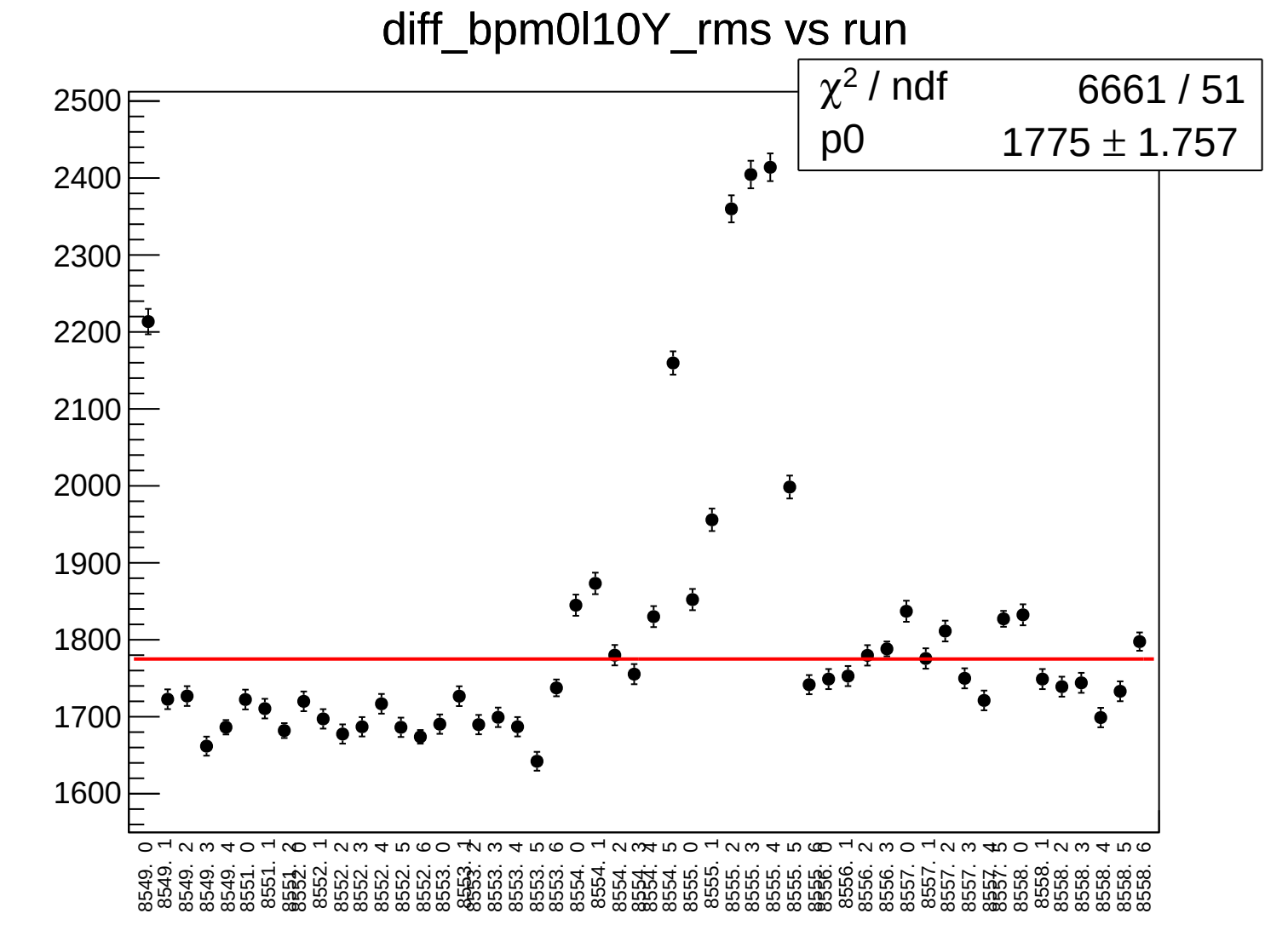
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6


diff_bpm0l10Y_mean vs run
χ² / ndf 73.64 / 51
p0 −29.41 ± 2.485
pull
Entries 52
Mean −207.7
Std Dev 0


pull1D
Entries 52
Mean 0.01224
Std Dev 1.19


diff_bpm0l10Y_rms vs run
χ² / ndf 6661 / 51
p0 1775 ± 1.757
2500
2400
2300
2200
2100
2000
1900
1800
1700
1600
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8555. 0
8555. 1
8555. 2
8555. 3
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8555. 5
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8556. 2
8556. 3
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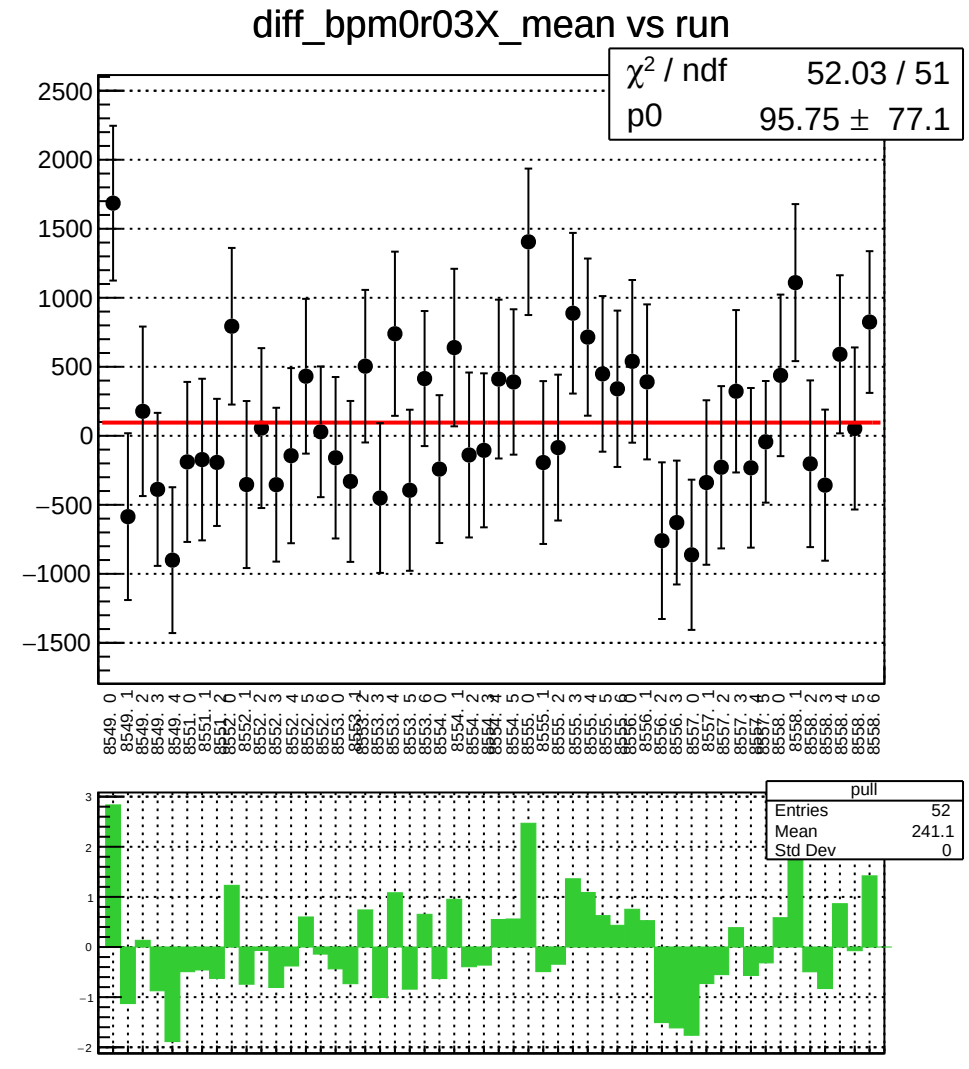
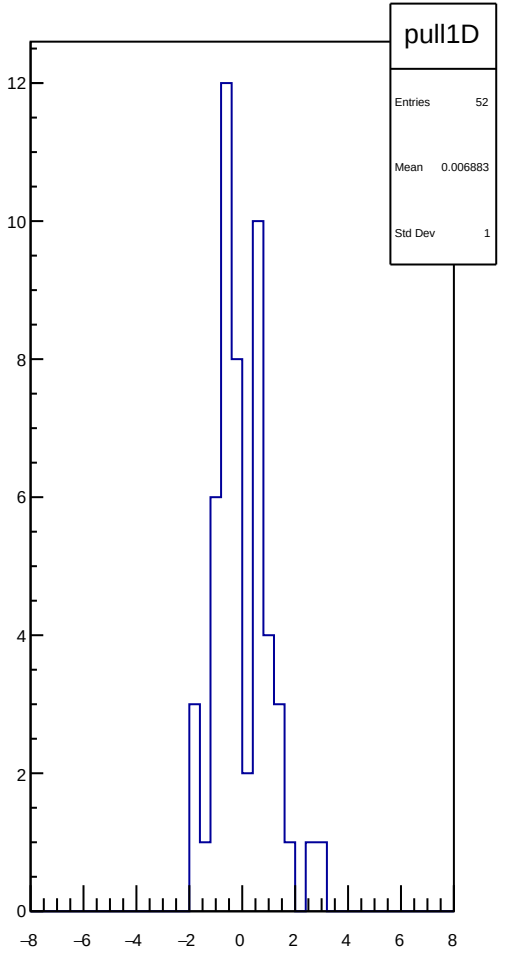
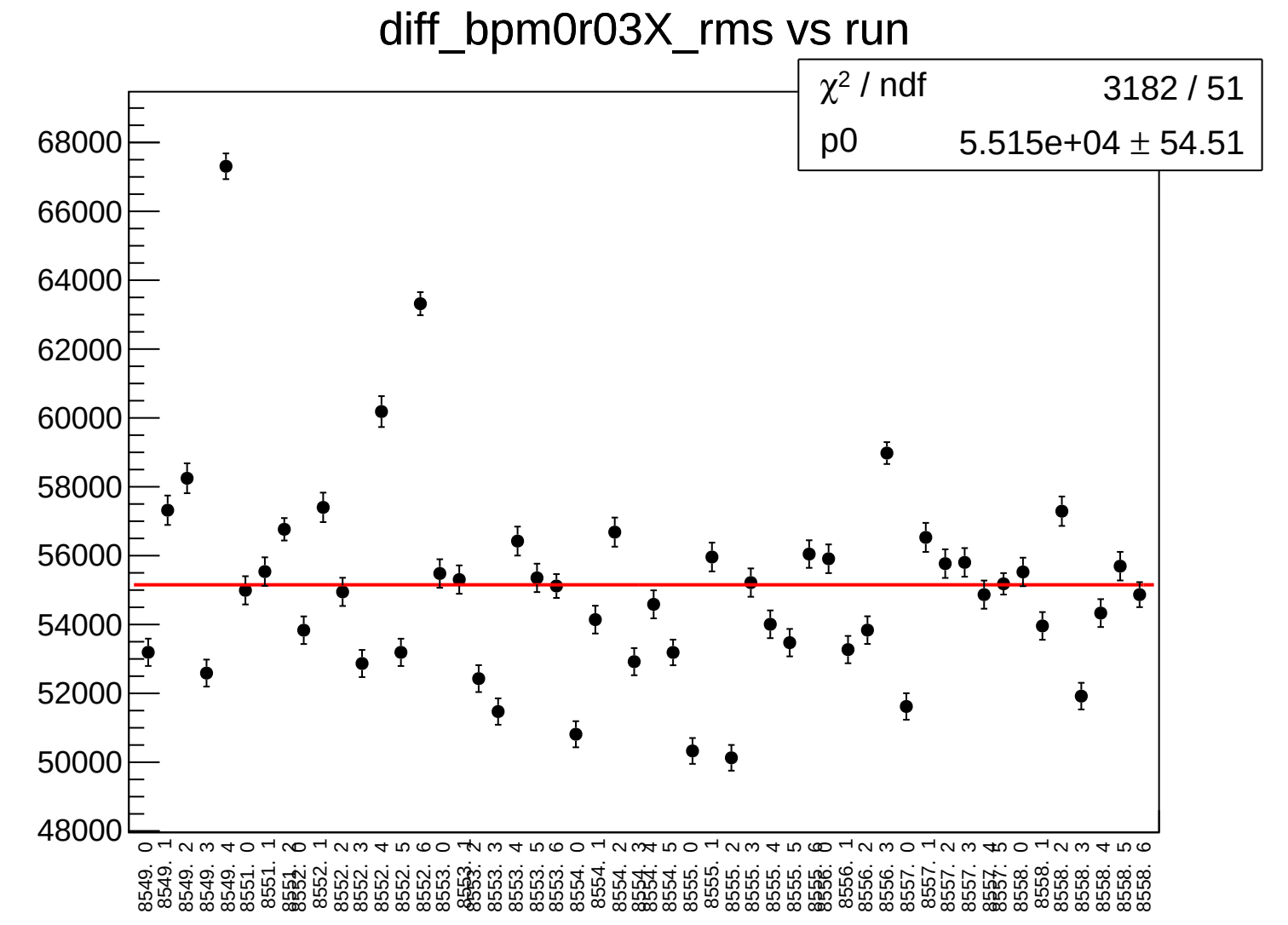
8558. 5
8558. 6


diff_bpm0r03X_mean vs run
χ² / ndf 52.03 / 51
p0 95.75 ± 77.1
pull
Entries 52
Mean 241.1
Std Dev 0


pull1D
Entries 52
Mean 0.006883
Std Dev 1


diff_bpm0r03X_rms vs run
χ² / ndf 3182 / 51
p0 5.515e+04 ± 54.51
68000
66000
64000
62000
60000
58000
56000
54000
52000
50000
48000
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
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8553. 5
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8554. 2
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8555. 1
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8555. 4
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8556. 1
8556. 2
8556. 3
8557. 0
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8557. 3
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8558. 3
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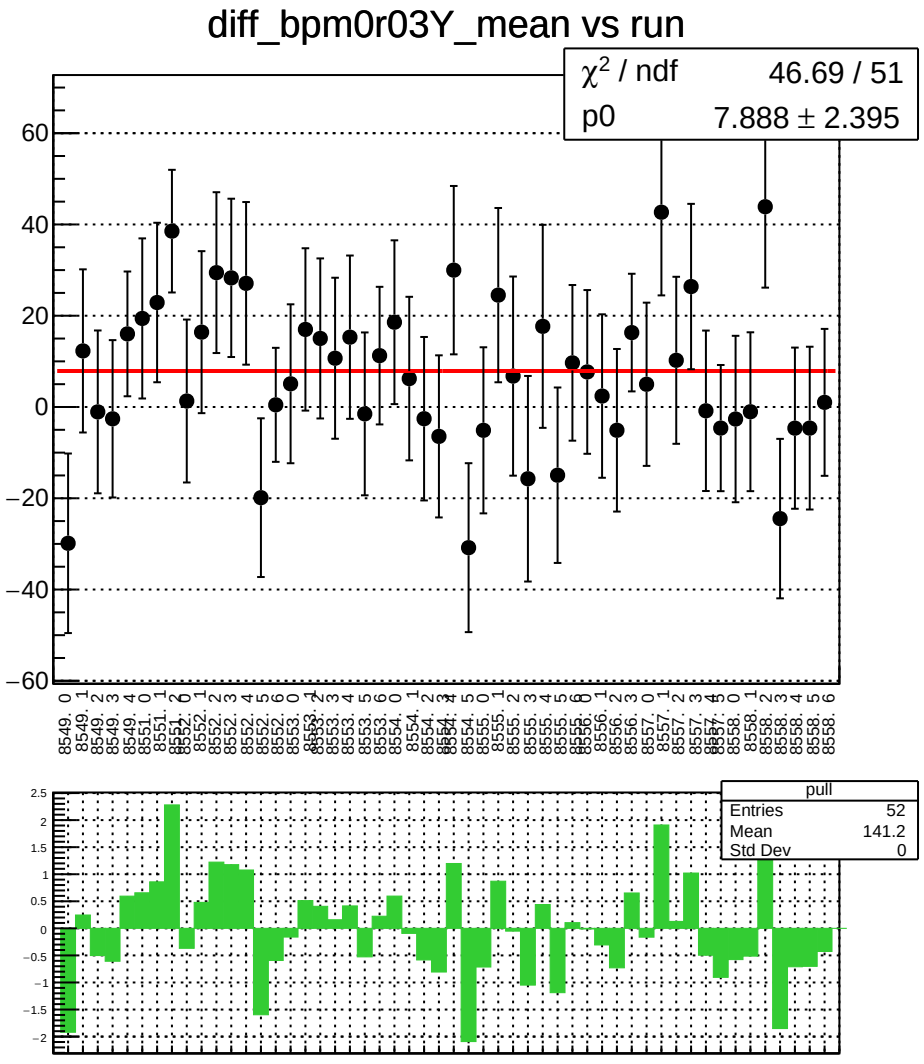
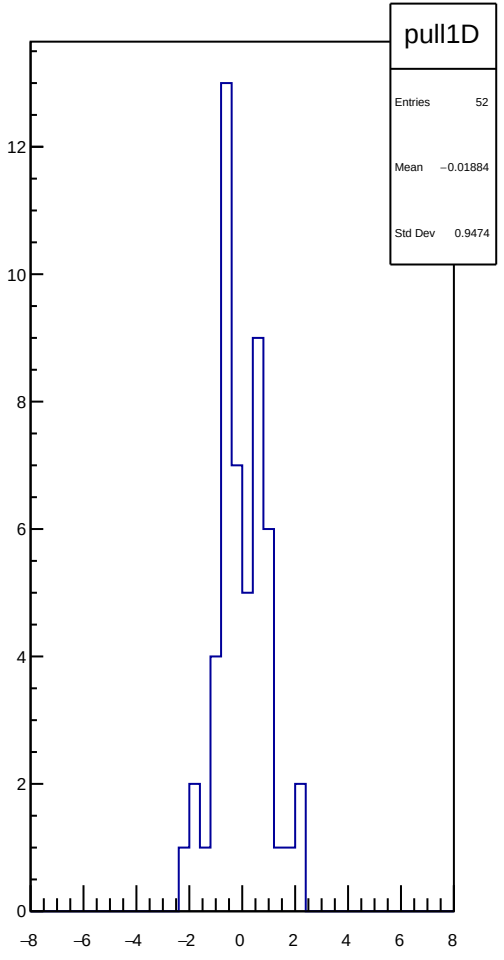
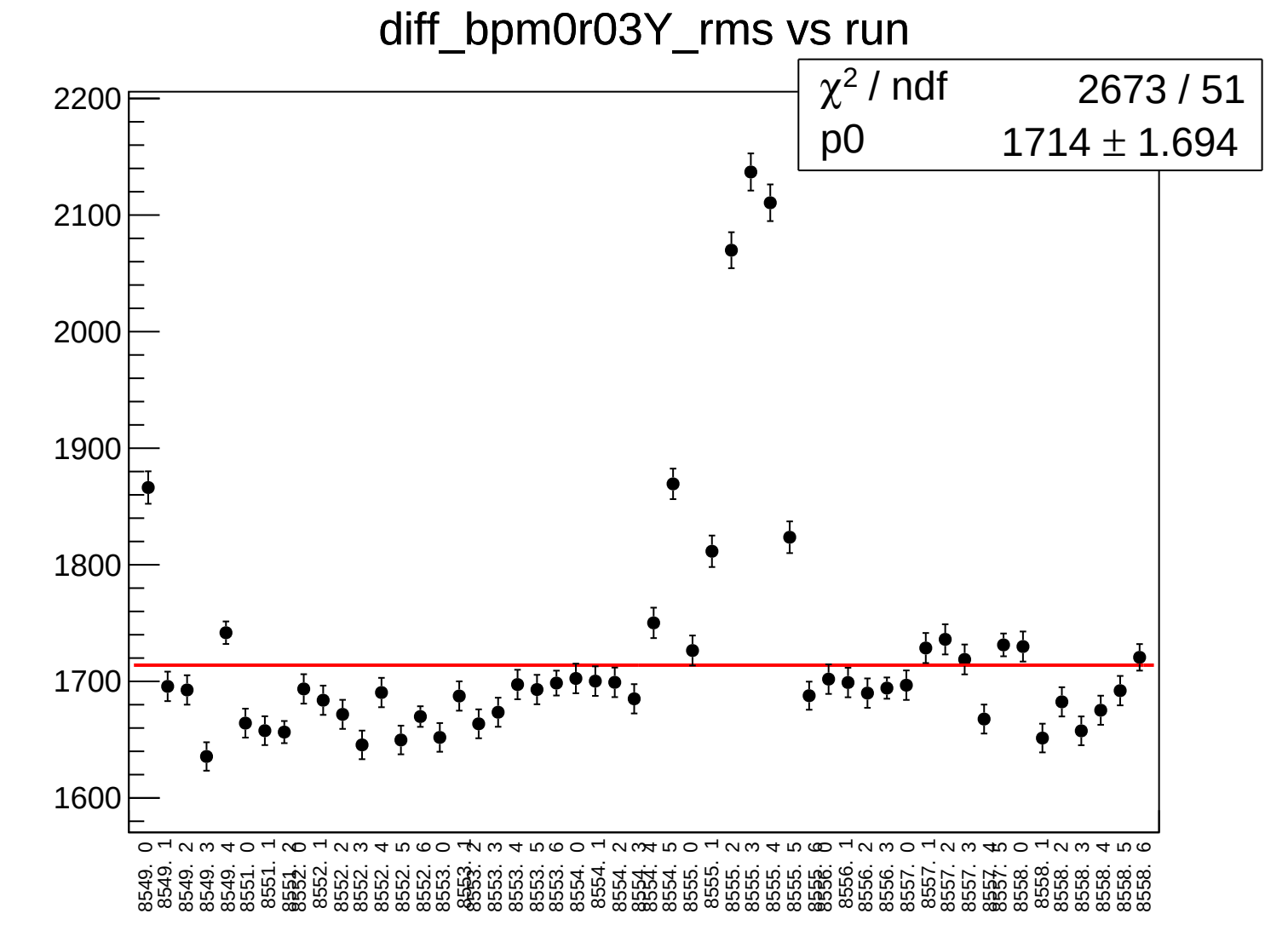
8558. 5
8558. 6


diff_bpm0r03Y_mean vs run
χ² / ndf 46.69 / 51
p0 7.888 ± 2.395
pull
Entries 52
Mean 141.2
Std Dev 0


pull1D
Entries 52
Mean −0.01884
Std Dev 0.9474


diff_bpm0r03Y_rms vs run
χ² / ndf 2673 / 51
p0 1714 ± 1.694
2200
2100
2000
1900
1800
1700
1600
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 5
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8555. 4
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8556. 1
8556. 2
8556. 3
8557. 0
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8557. 3
8558. 0
8558. 1
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8558. 3
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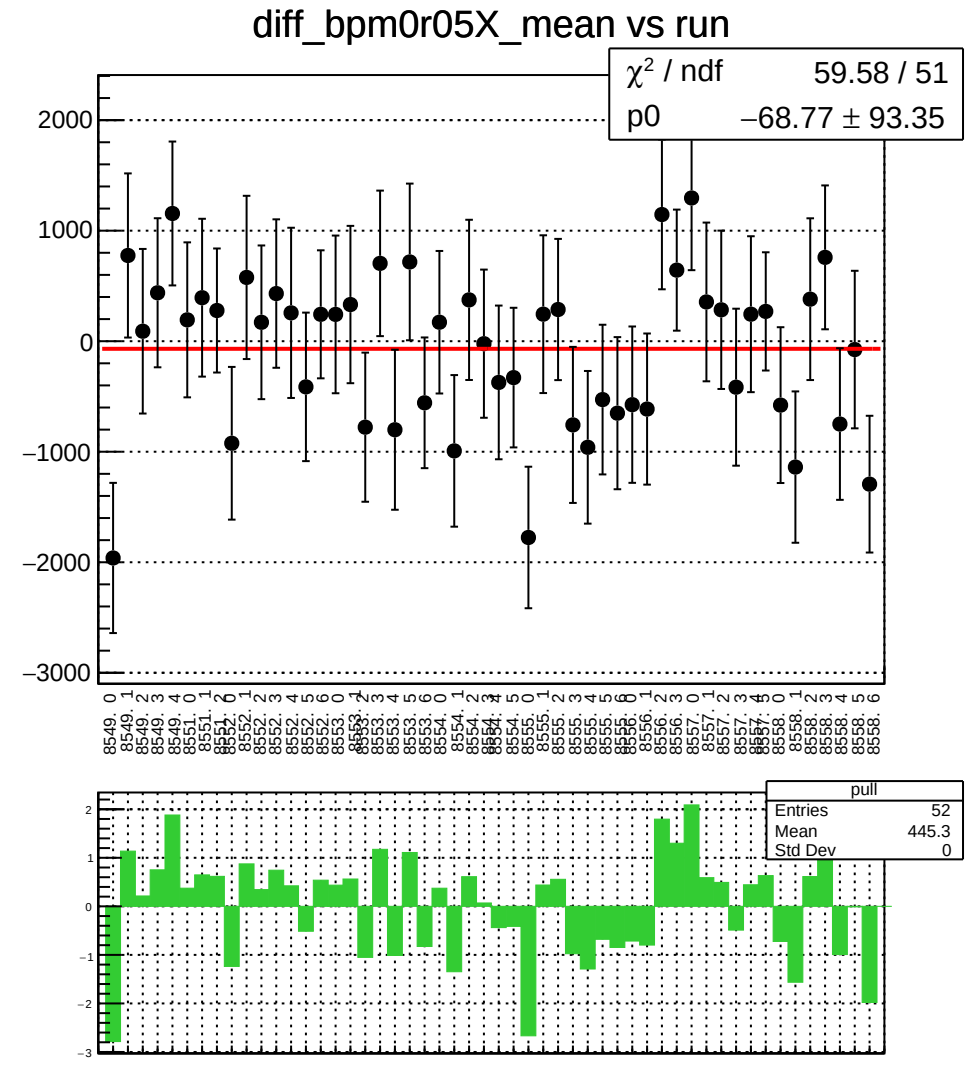
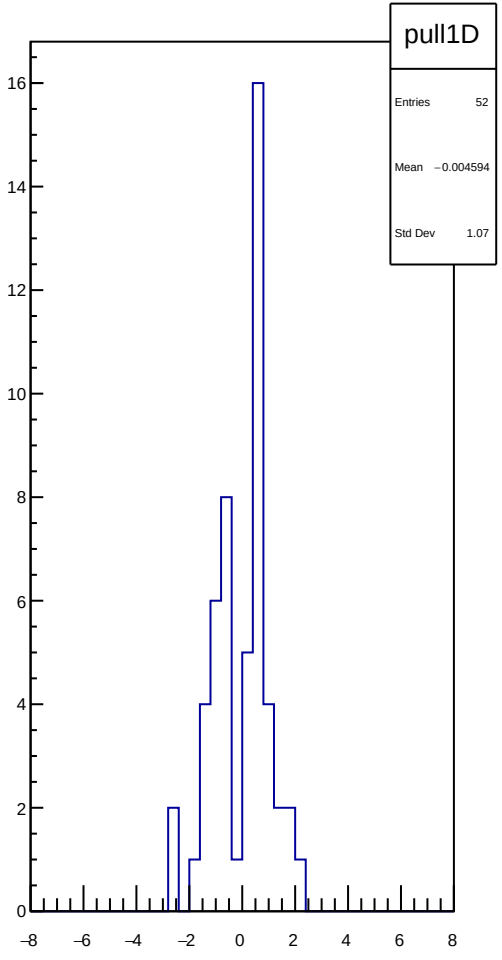
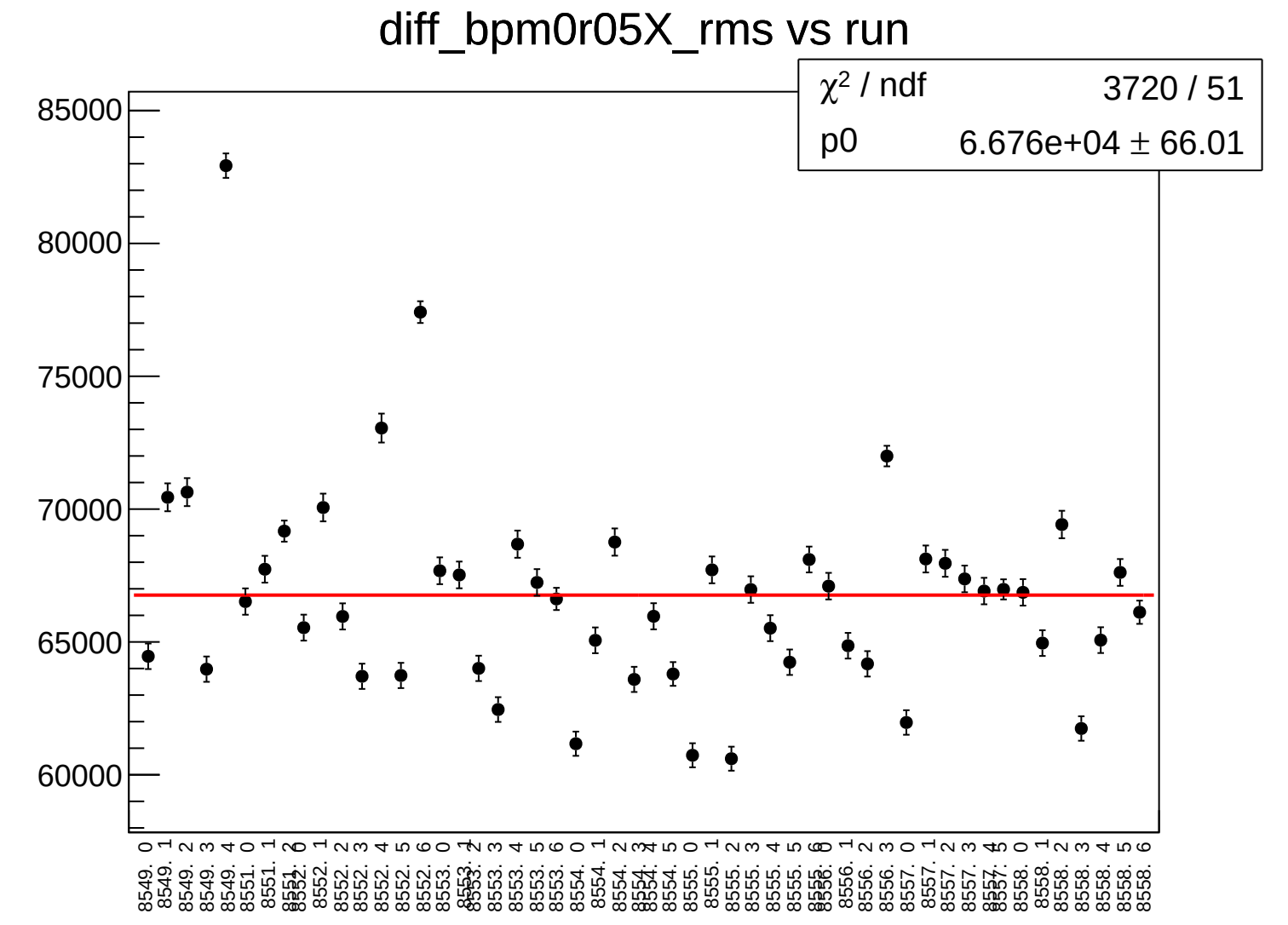
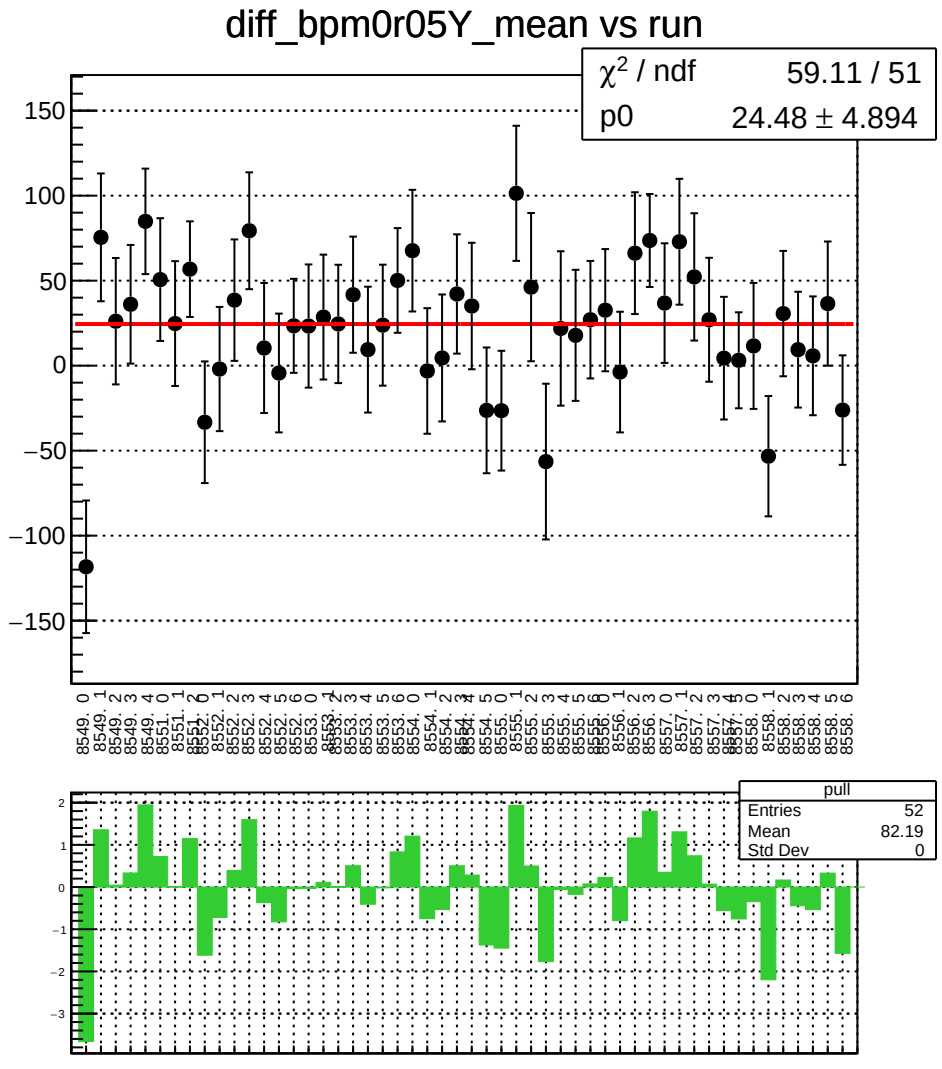
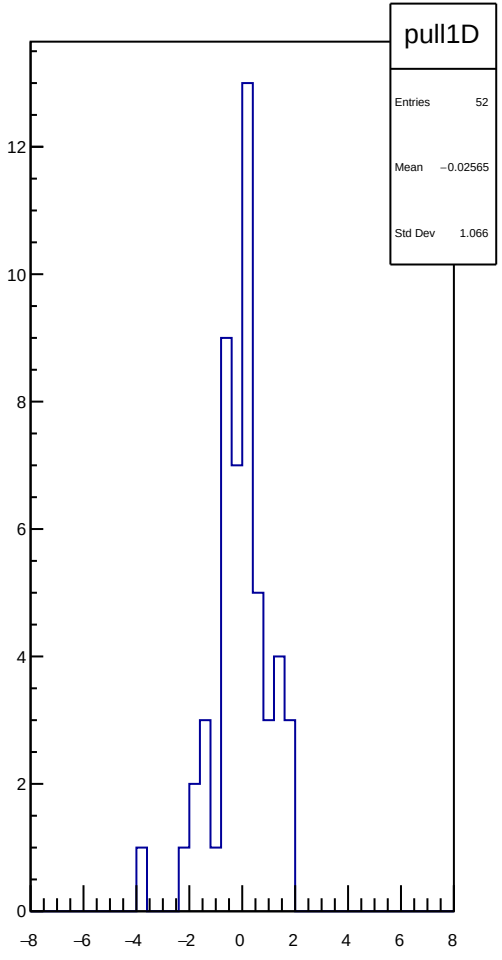
8558. 5
8558. 6

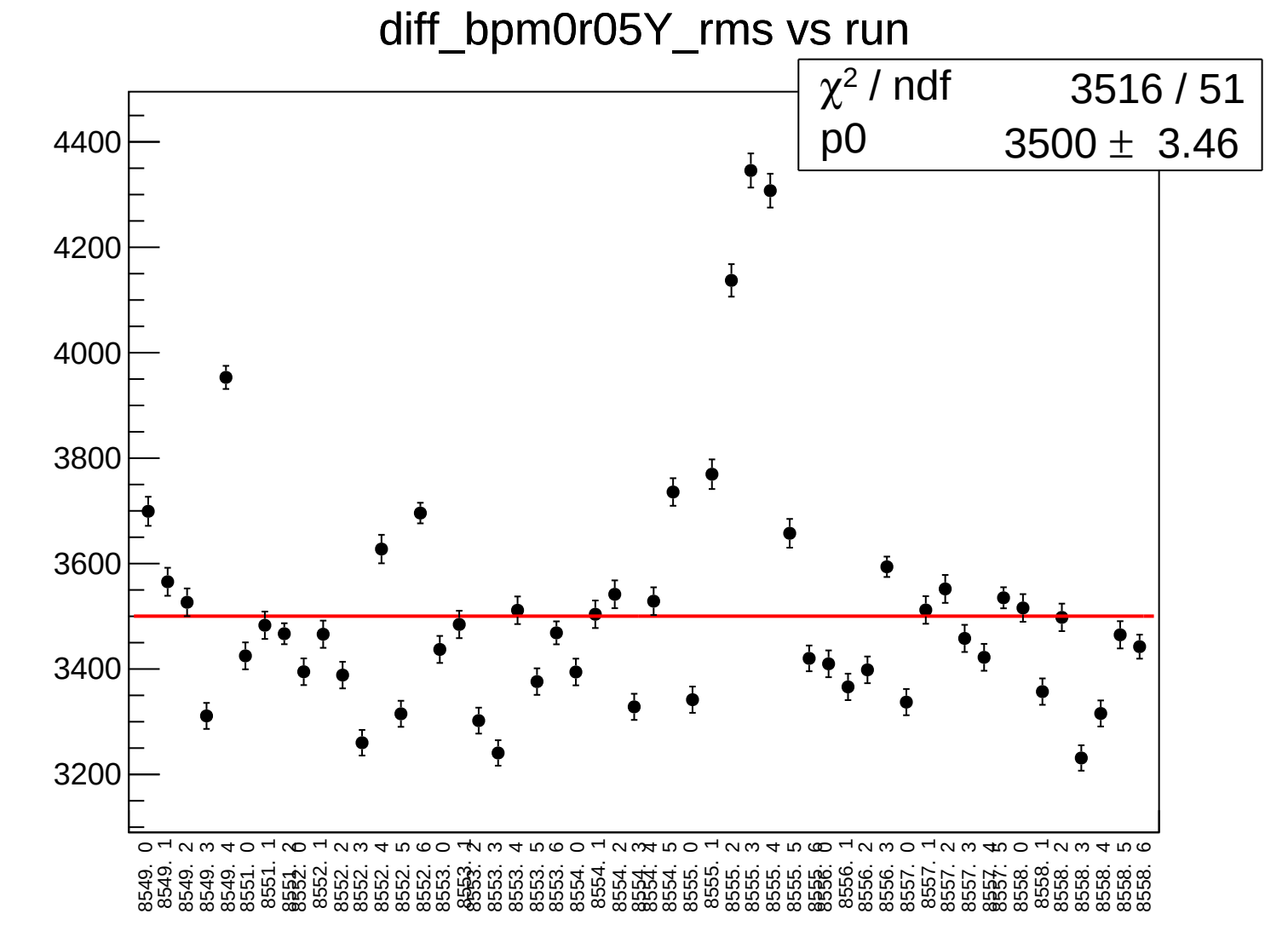

diff_bpm0r05X_mean vs run
χ² / ndf 59.58 / 51
p0 −68.77 ± 93.35
pull
Entries 52
Mean 445.3
Std Dev 0

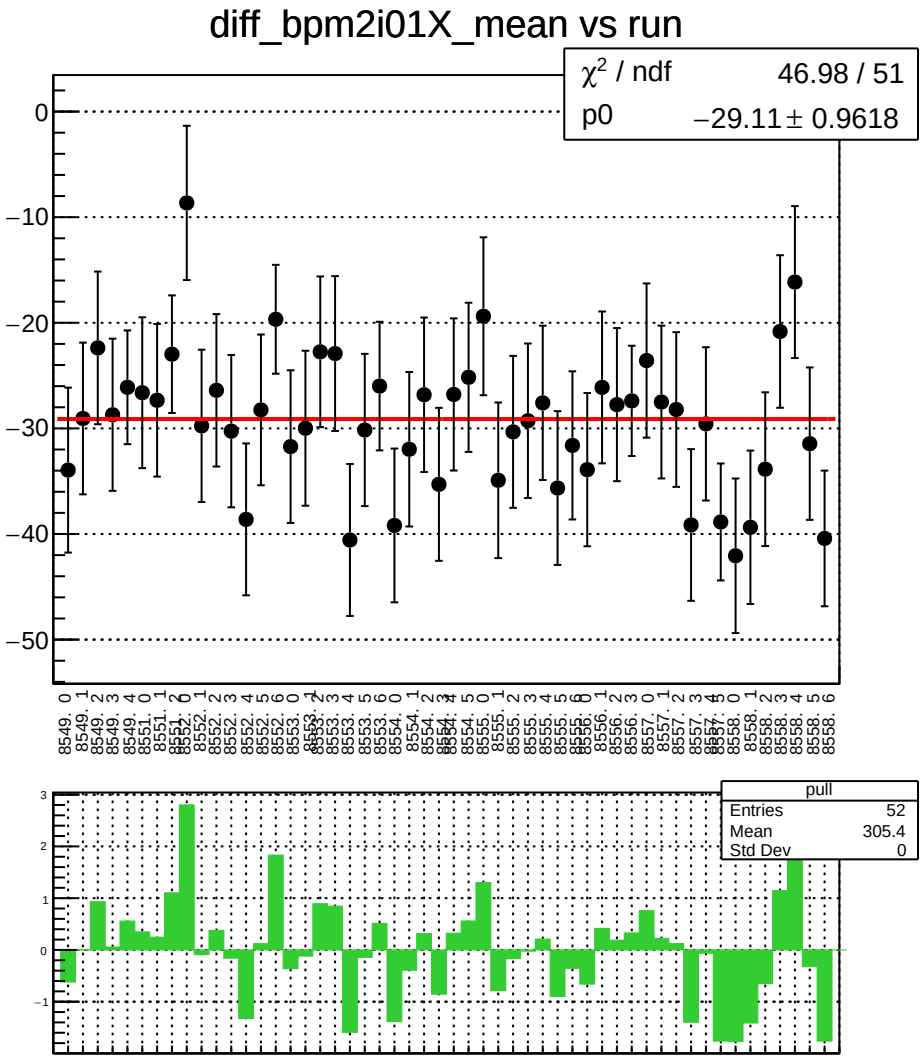

pull1D
Entries 52
Mean −0.004594
Std Dev 1.07

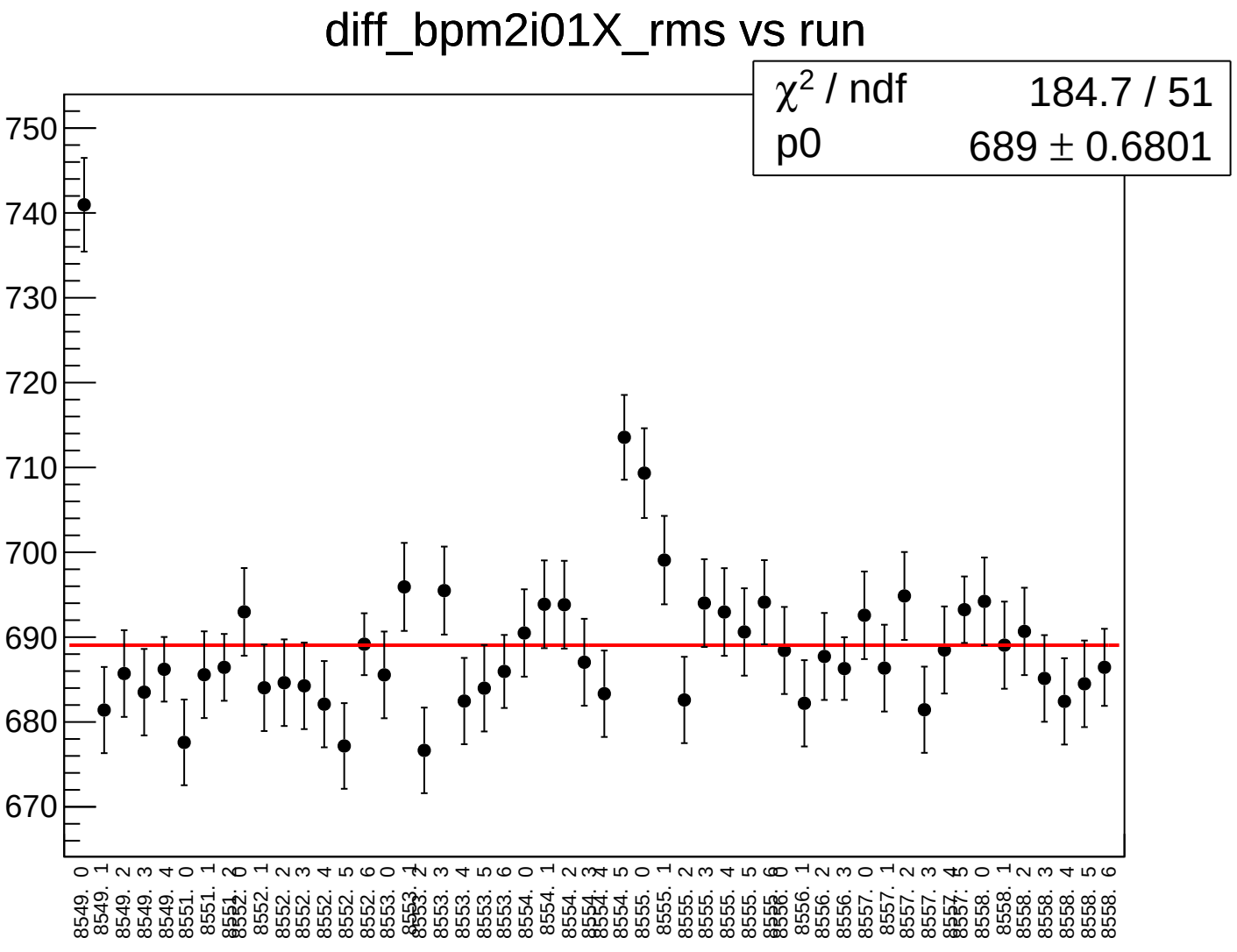

diff_bpm0r05X_rms vs run
χ² / ndf 3720 / 51
p0 6.676e+04 ± 66.01
85000
80000
75000
70000
65000
60000
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6


diff_bpm0r05Y_mean vs run
χ² / ndf 59.11 / 51
p0 24.48 ± 4.894
pull
Entries 52
Mean 82.19
Std Dev 0


pull1D
Entries 52
Mean −0.02565
Std Dev 1.066


diff_bpm0r05Y_rms vs run
χ² / ndf 3516 / 51
p0 3500 ± 3.46
4400
4200
4000
3800
3600
3400
3200
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6


diff_bpm2i01X_mean vs run
χ² / ndf 46.98 / 51
p0 −29.11 ± 0.9618
pull
Entries 52
Mean 305.4
Std Dev 0
pull1D
Entries 52
Mean −0.01438
Std Dev 0.9504


diff_bpm2i01X_rms vs run
χ² / ndf 184.7 / 51
p0 689 ± 0.6801
750
740
730
720
710
700
690
680
670
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 5
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
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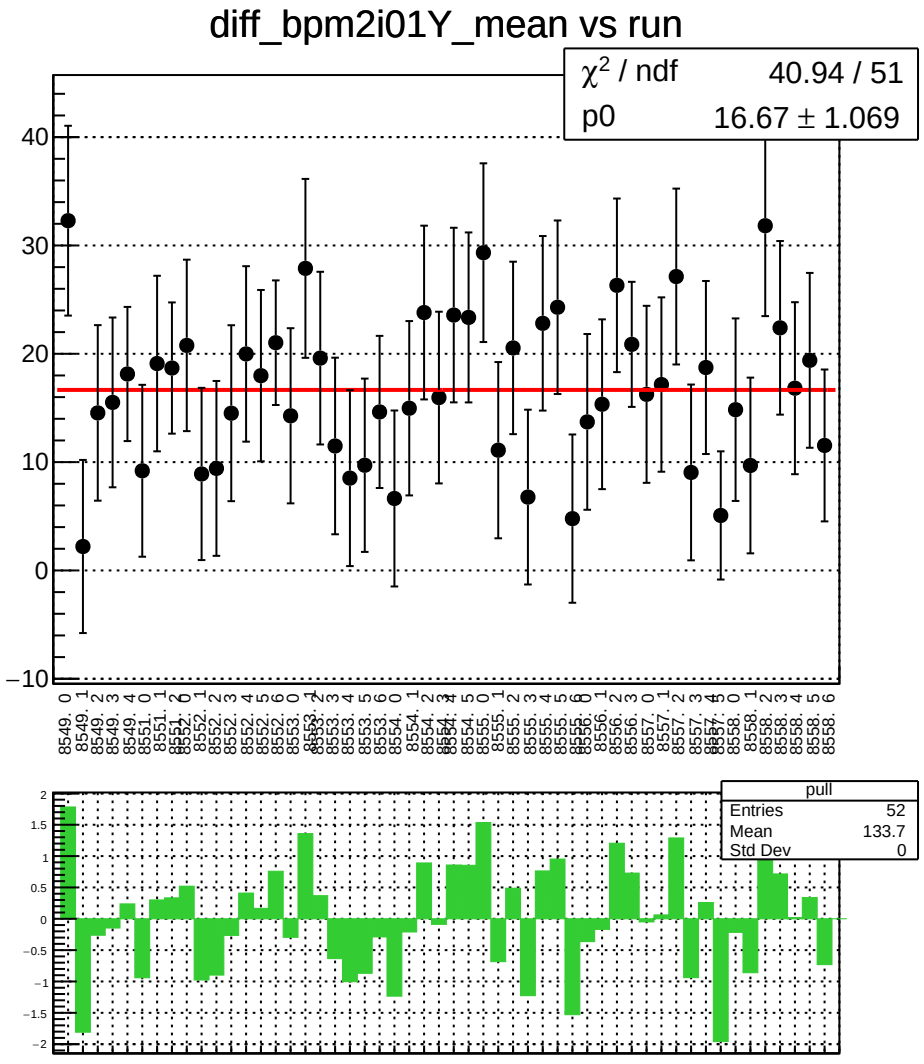
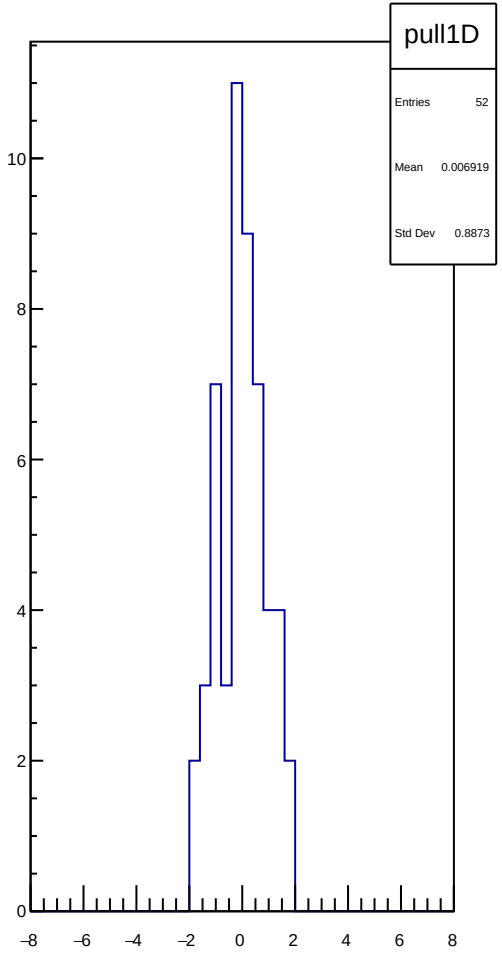
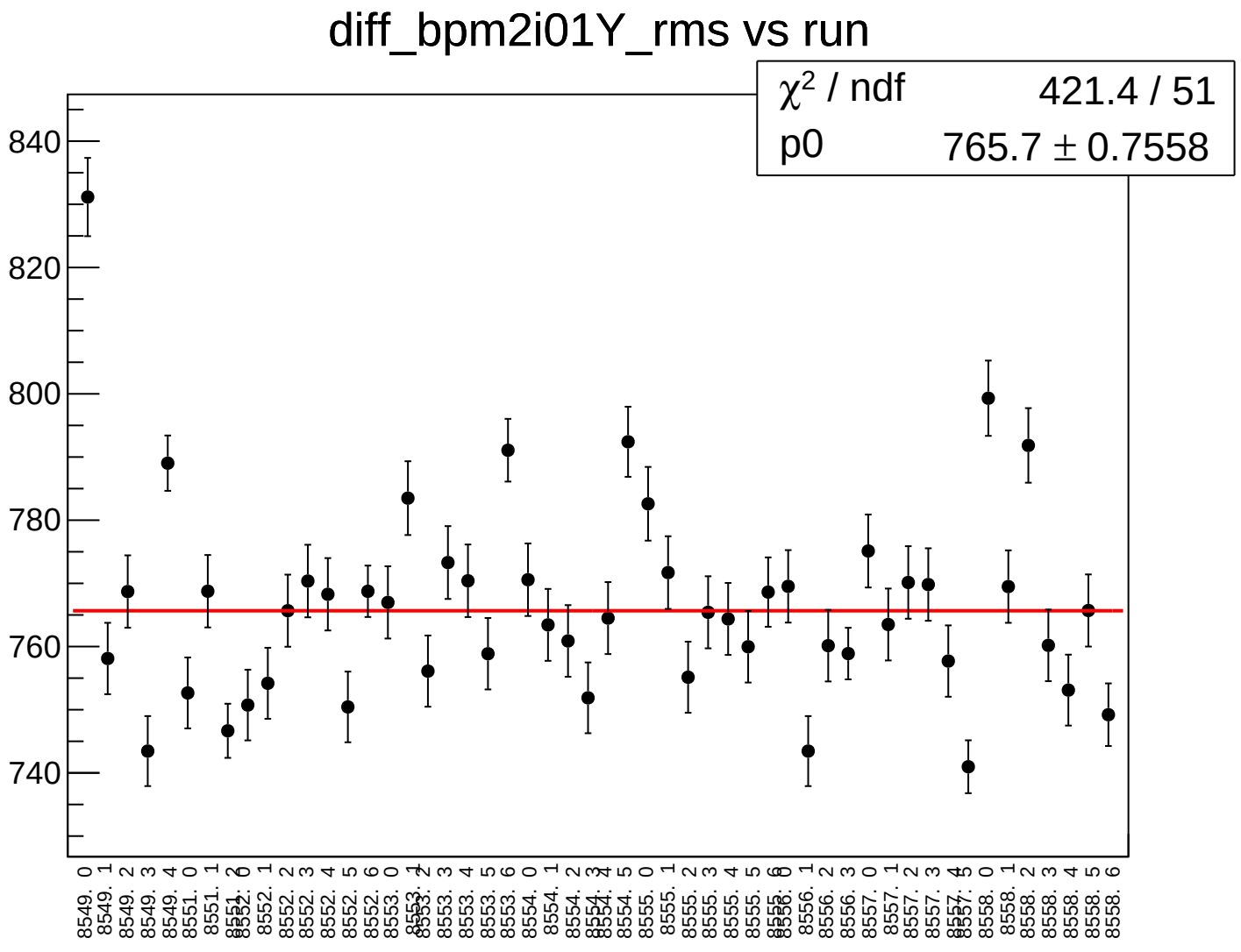
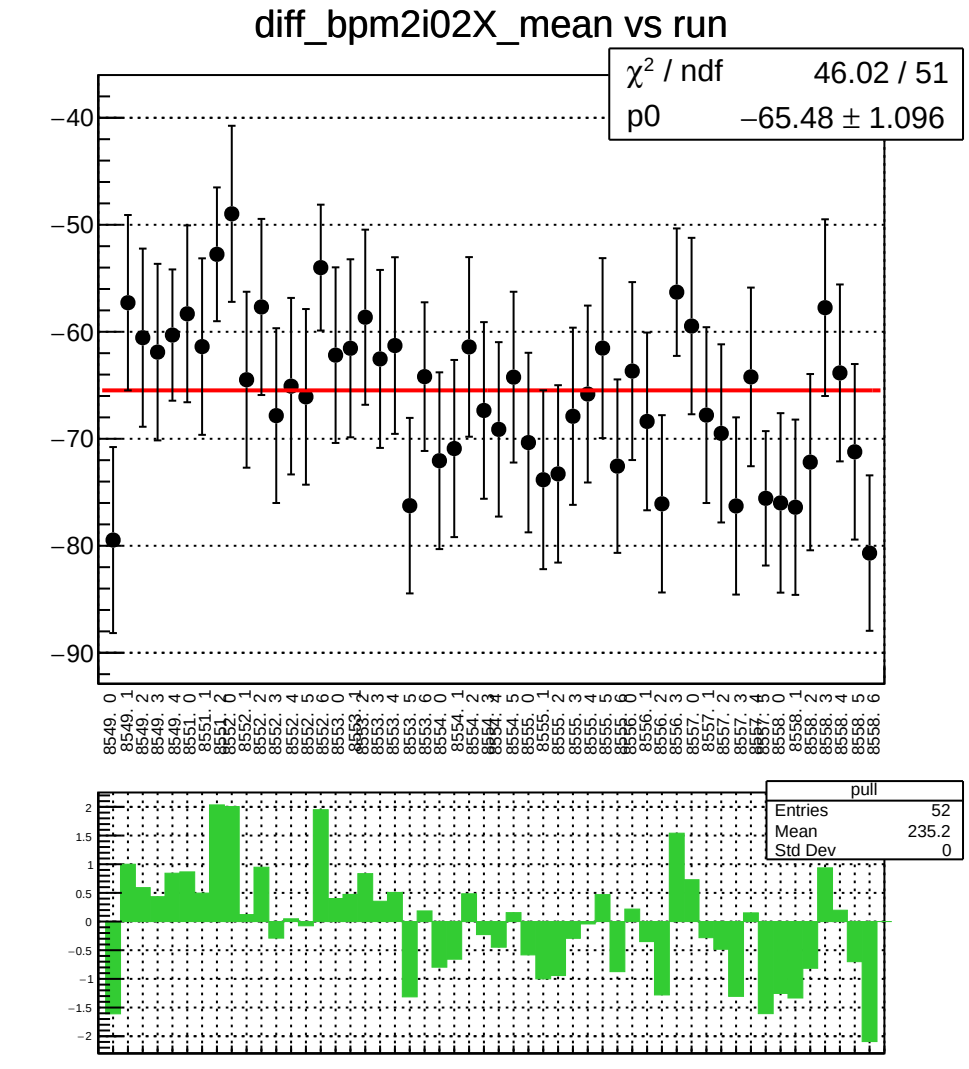
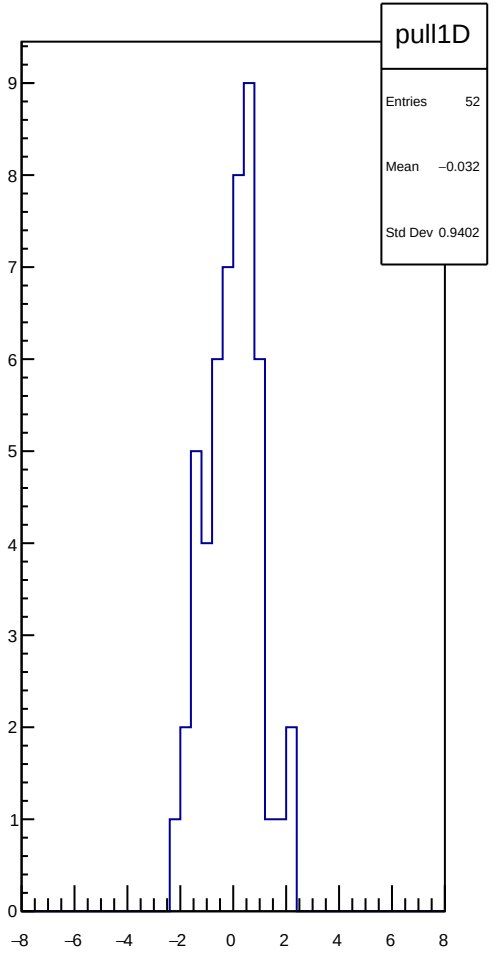
8558. 5
8558. 6

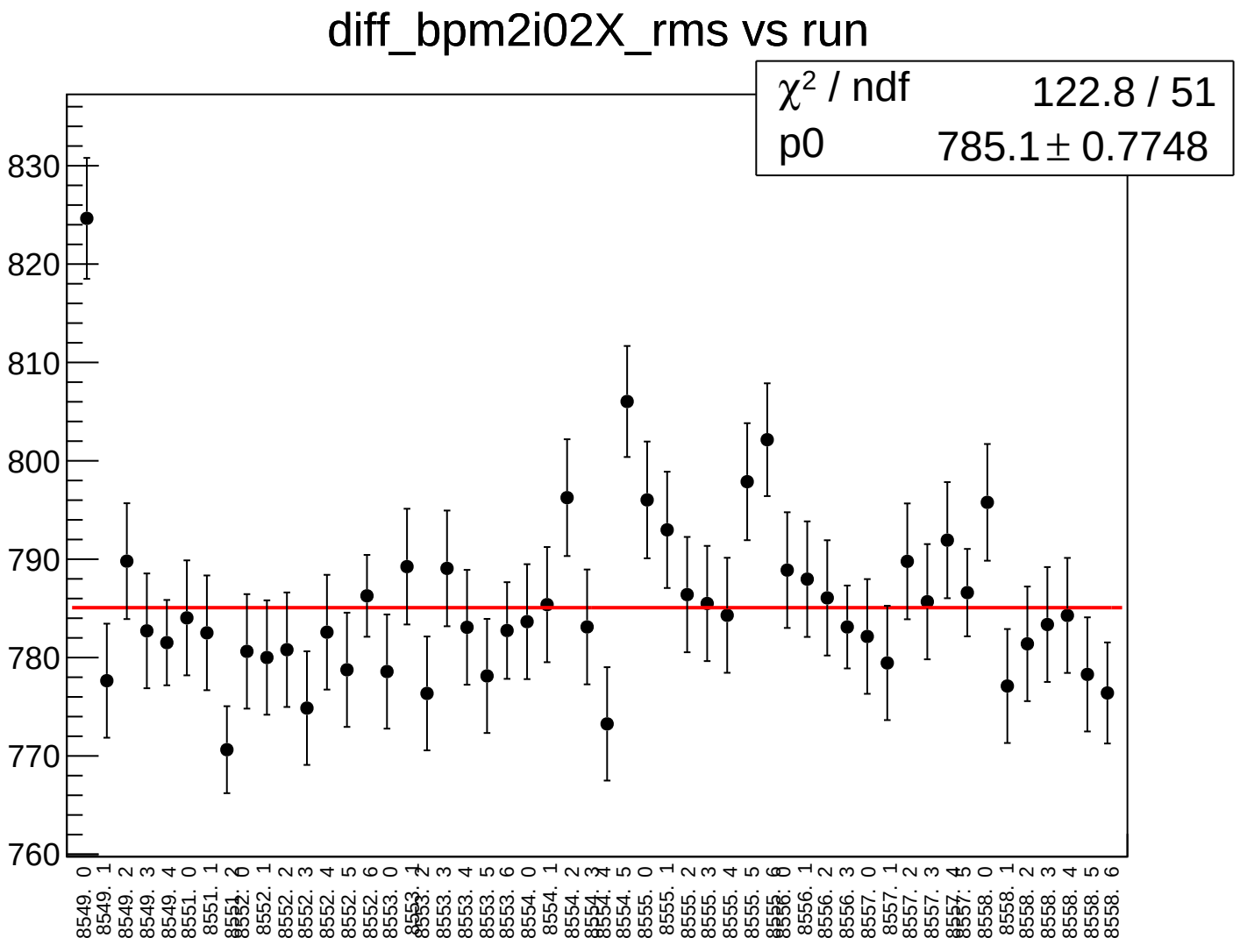

diff_bpm2i01Y_mean vs run
χ^2 / ndf 40.94 / 51
p0 16.67 ± 1.069
pull
Entries 52
Mean 133.7
Std Dev 0


pull1D
Entries 52
Mean 0.006919
Std Dev 0.8873


diff_bpm2i01Y_rms vs run
χ² / ndf 421.4 / 51
p0 765.7 ± 0.7558
840
820
800
780
760
740
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6


diff_bpm2i02X_mean vs run
χ² / ndf 46.02 / 51
p0 −65.48 ± 1.096
pull
Entries 52
Mean 235.2
Std Dev 0


pull1D
Entries 52
Mean −0.032
Std Dev 0.9402


diff_bpm2i02X_rms vs run
χ² / ndf 122.8 / 51
p0 785.1 ± 0.7748
830
820
810
800
790
780
770
760
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 2
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 5
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
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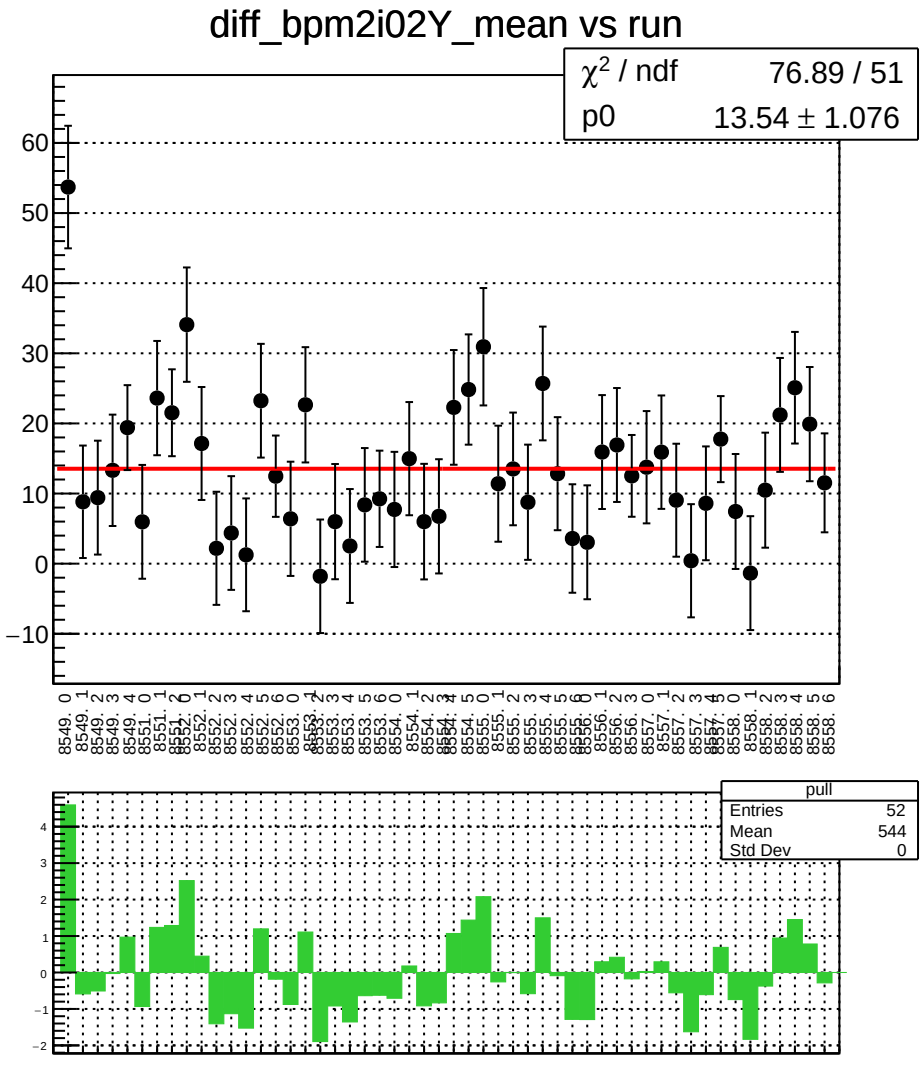
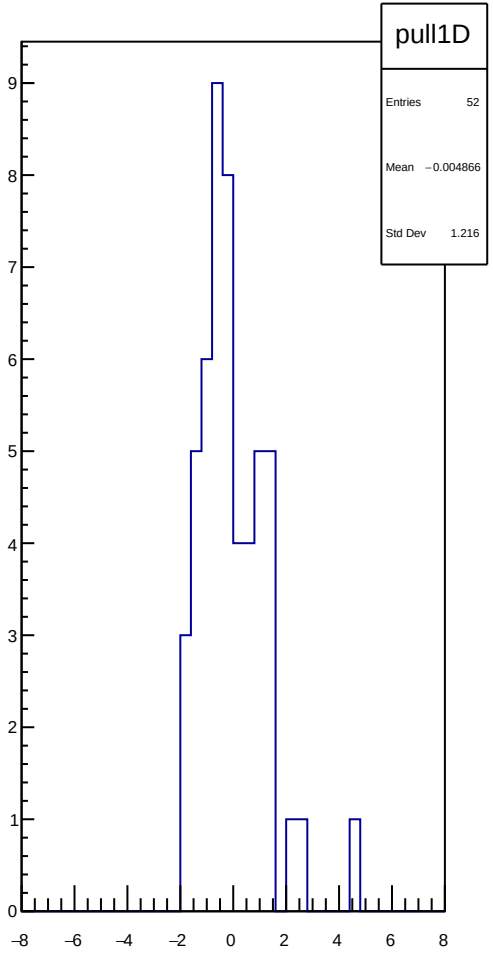
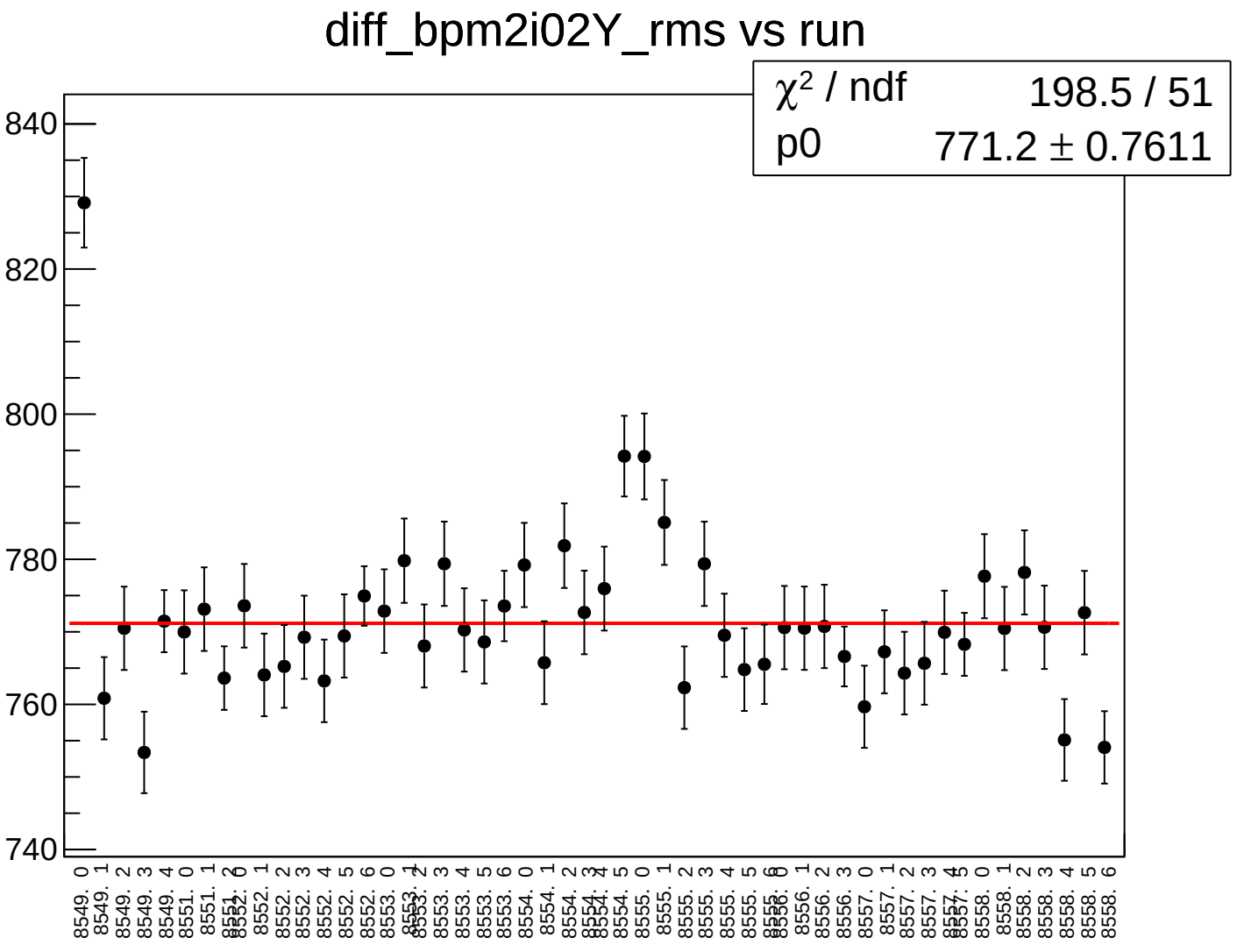
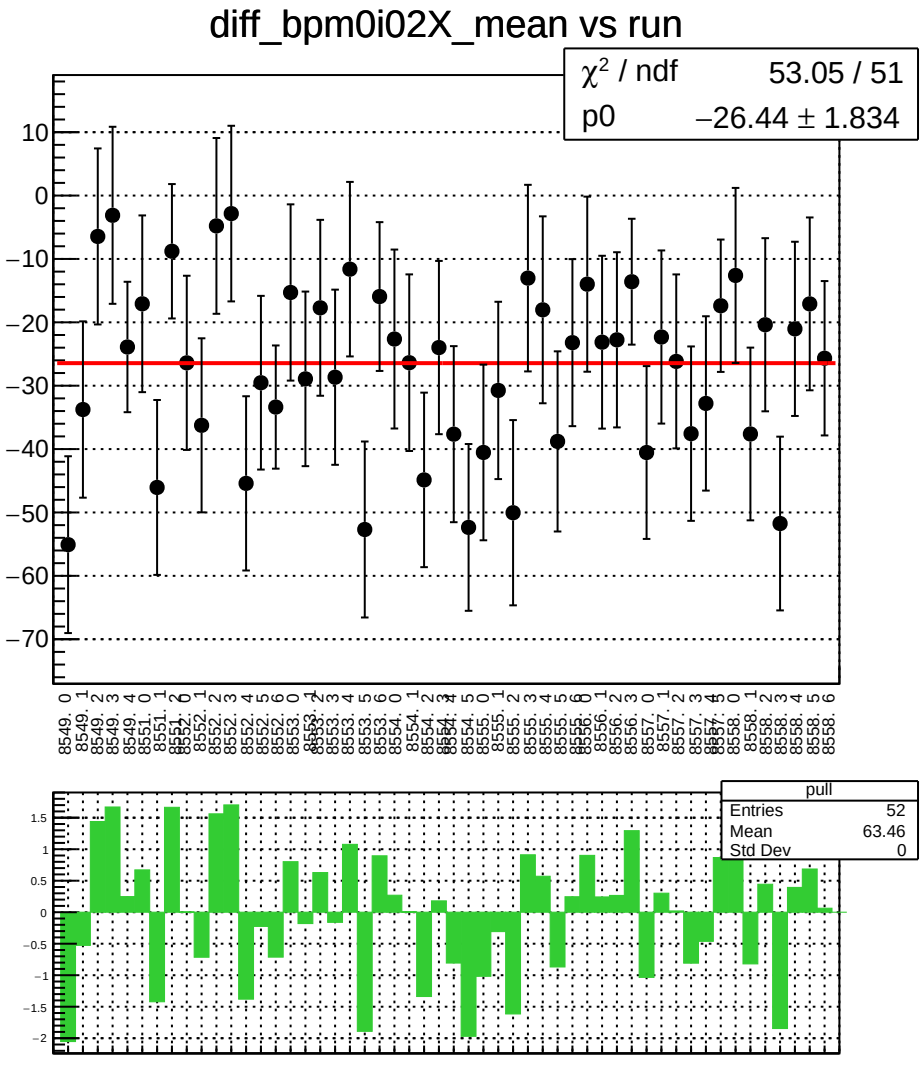
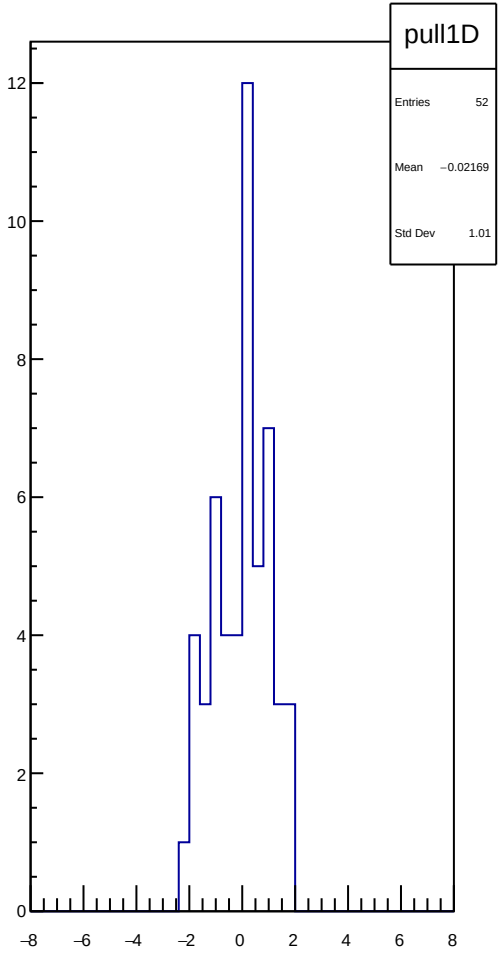
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

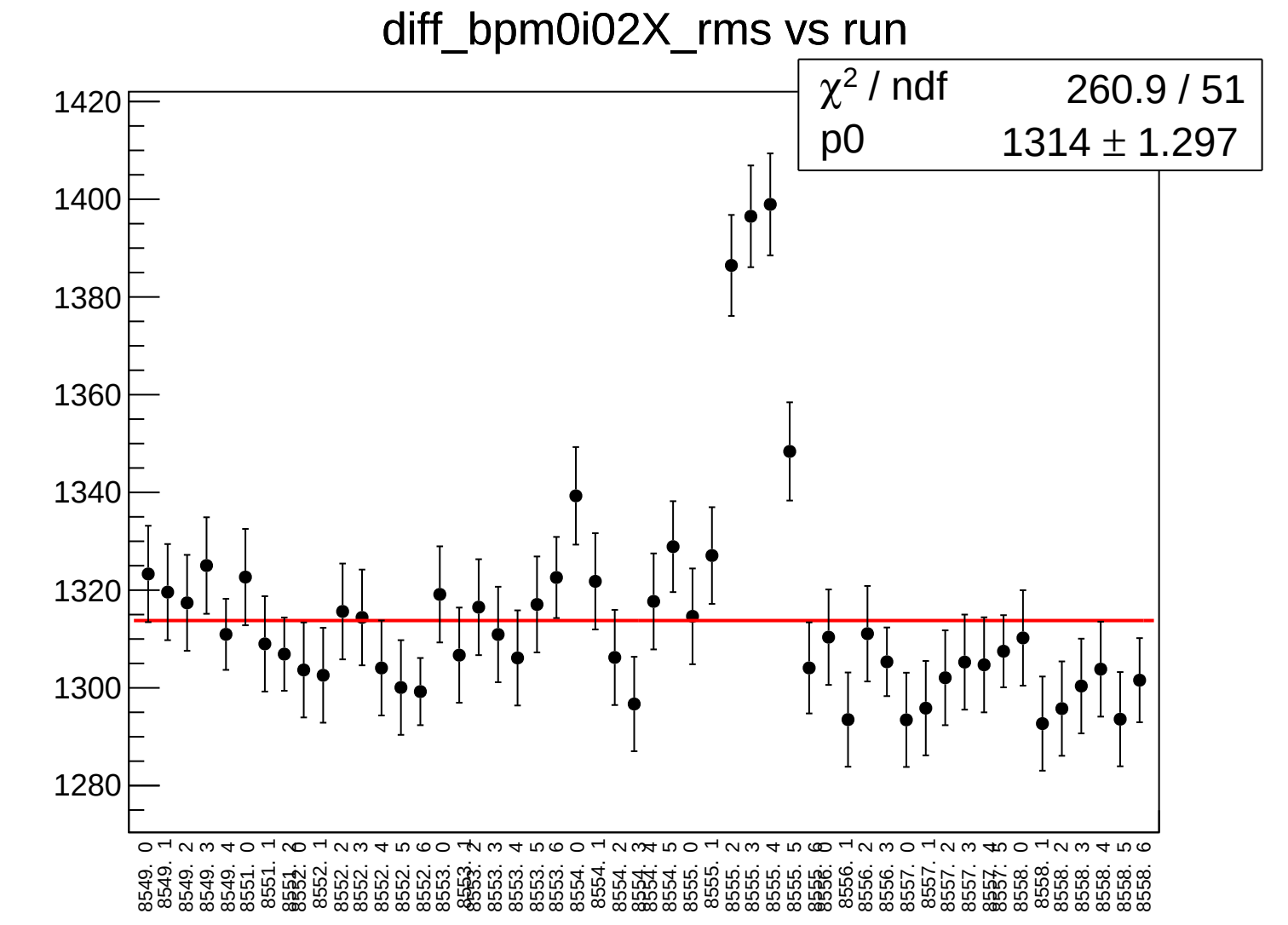

diff_bpm2i02Y_mean vs run
χ^2 / ndf 76.89 / 51
p0 13.54 ± 1.076
pull
Entries 52
Mean 544
Std Dev 0

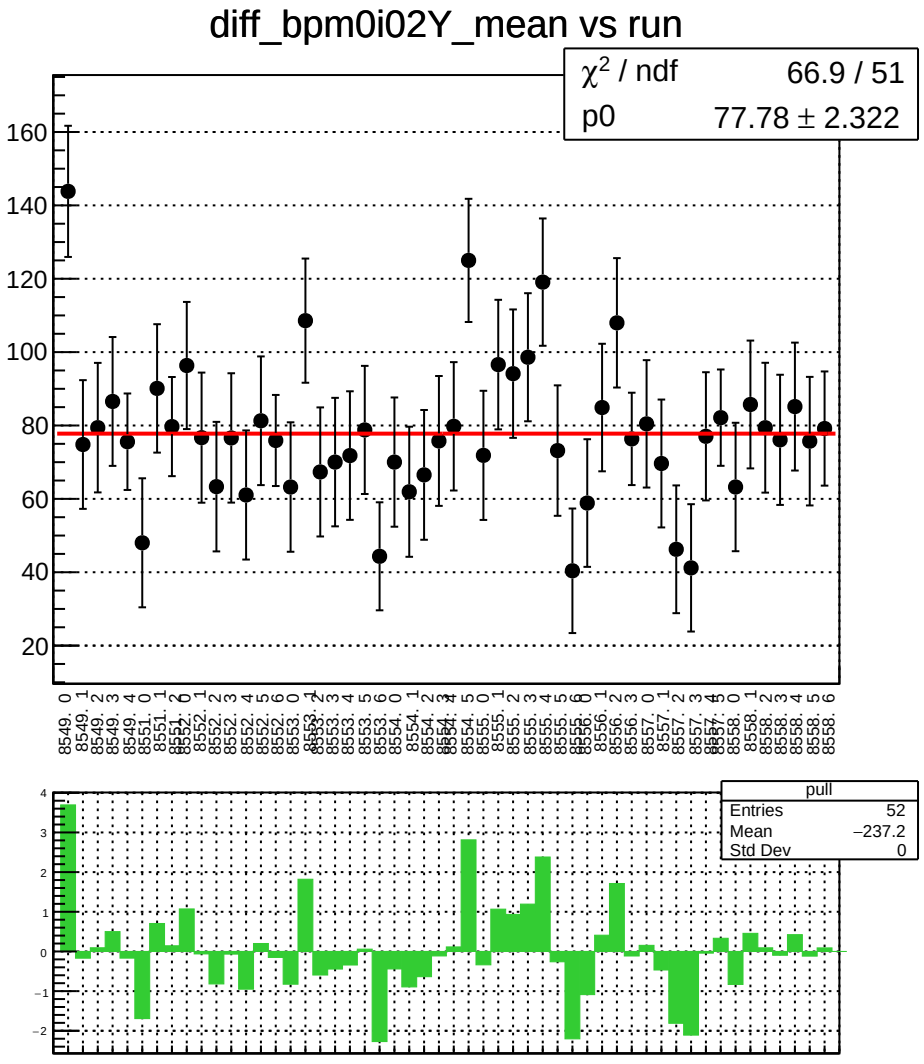

pull1D
Entries 52
Mean −0.004866
Std Dev 1.216

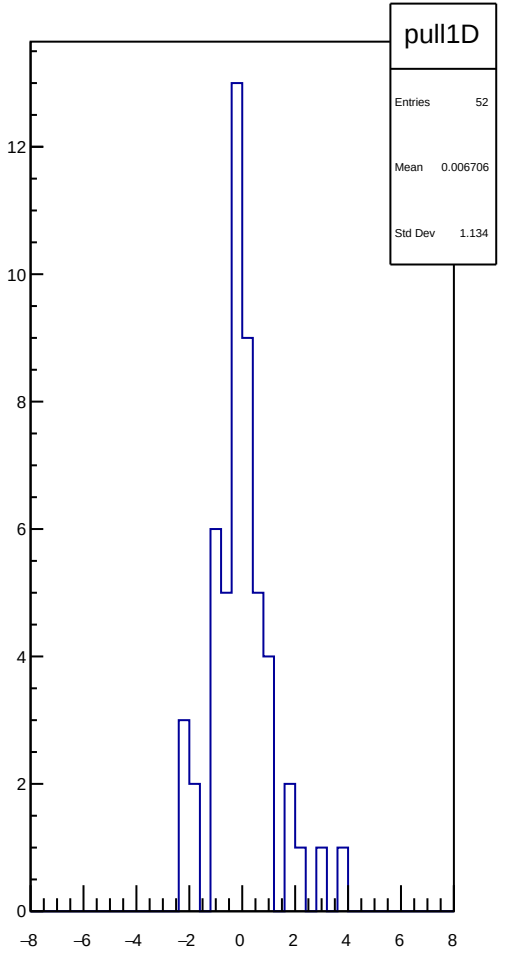

diff_bpm2i02Y_rms vs run
χ² / ndf 198.5 / 51
p0 771.2 ± 0.7611
840
820
800
780
760
740
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 5
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

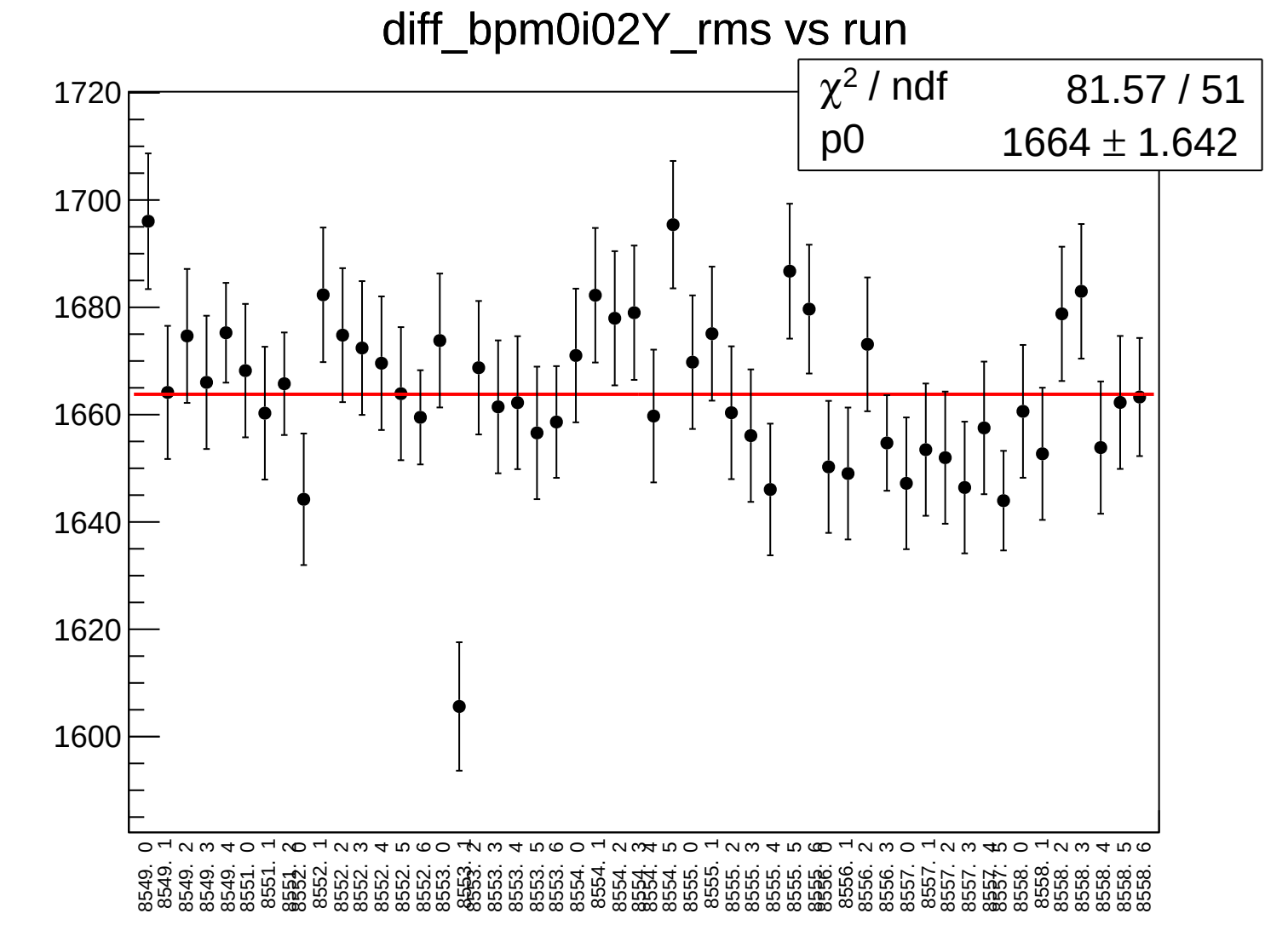

diff_bpm0i02X_mean vs run
χ² / ndf 53.05 / 51
p0 −26.44 ± 1.834
pull
Entries 52
Mean 63.46
Std Dev 0


pull1D
Entries 52
Mean −0.02169
Std Dev 1.01


diff_bpm0i02X_rms vs run
χ² / ndf 260.9 / 51
p0 1314 ± 1.297
1420
1400
1380
1360
1340
1320
1300
1280
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 5
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6


diff_bpm0i02Y_mean vs run
χ² / ndf 66.9 / 51
p0 77.78 ± 2.322
pull
Entries 52
Mean −237.2
Std Dev 0


pull1D
Entries 52
Mean 0.006706
Std Dev 1.134


diff_bpm0i02Y_rms vs run
χ² / ndf 81.57 / 51
p0 1664 ± 1.642
1720
1700
1680
1660
1640
1620
1600
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 2
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 5
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
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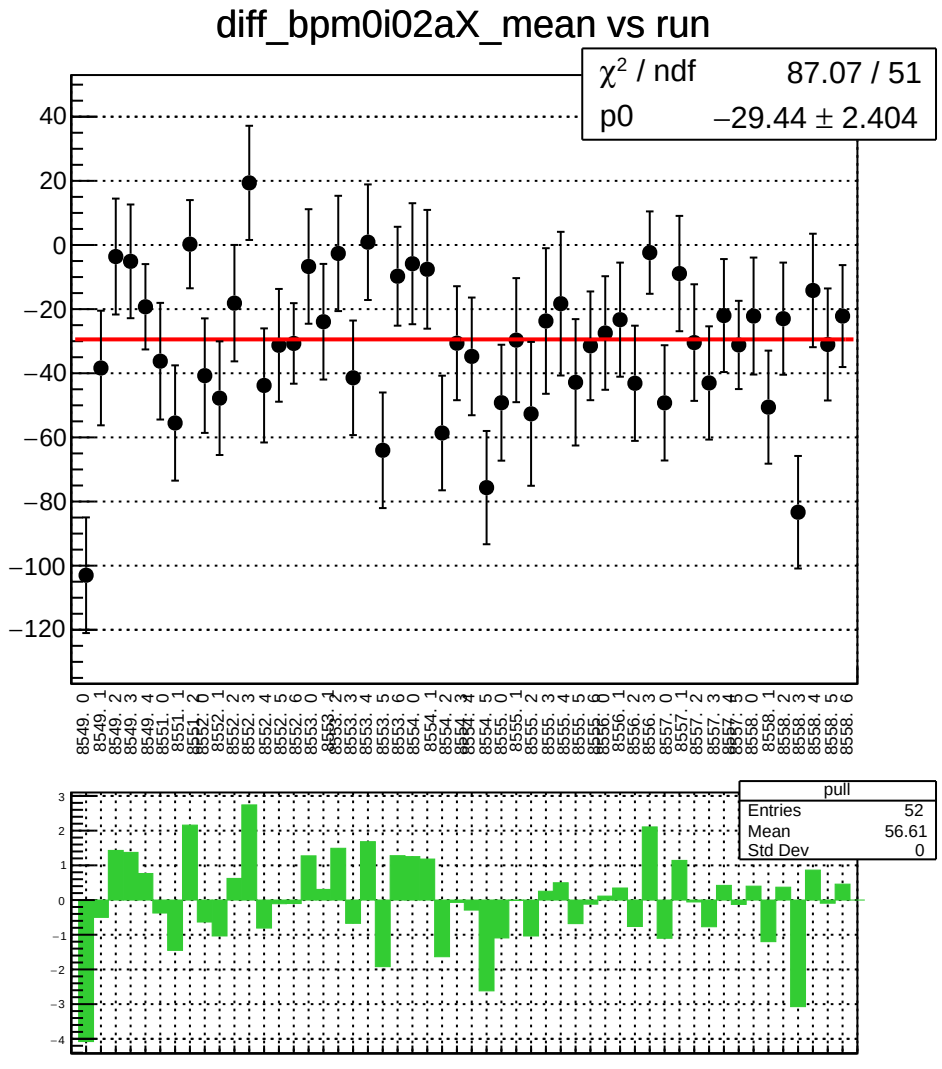
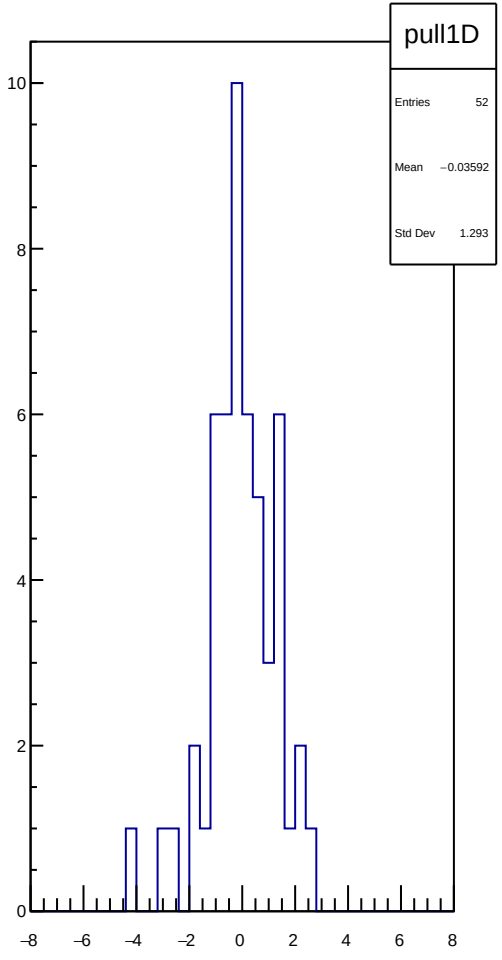
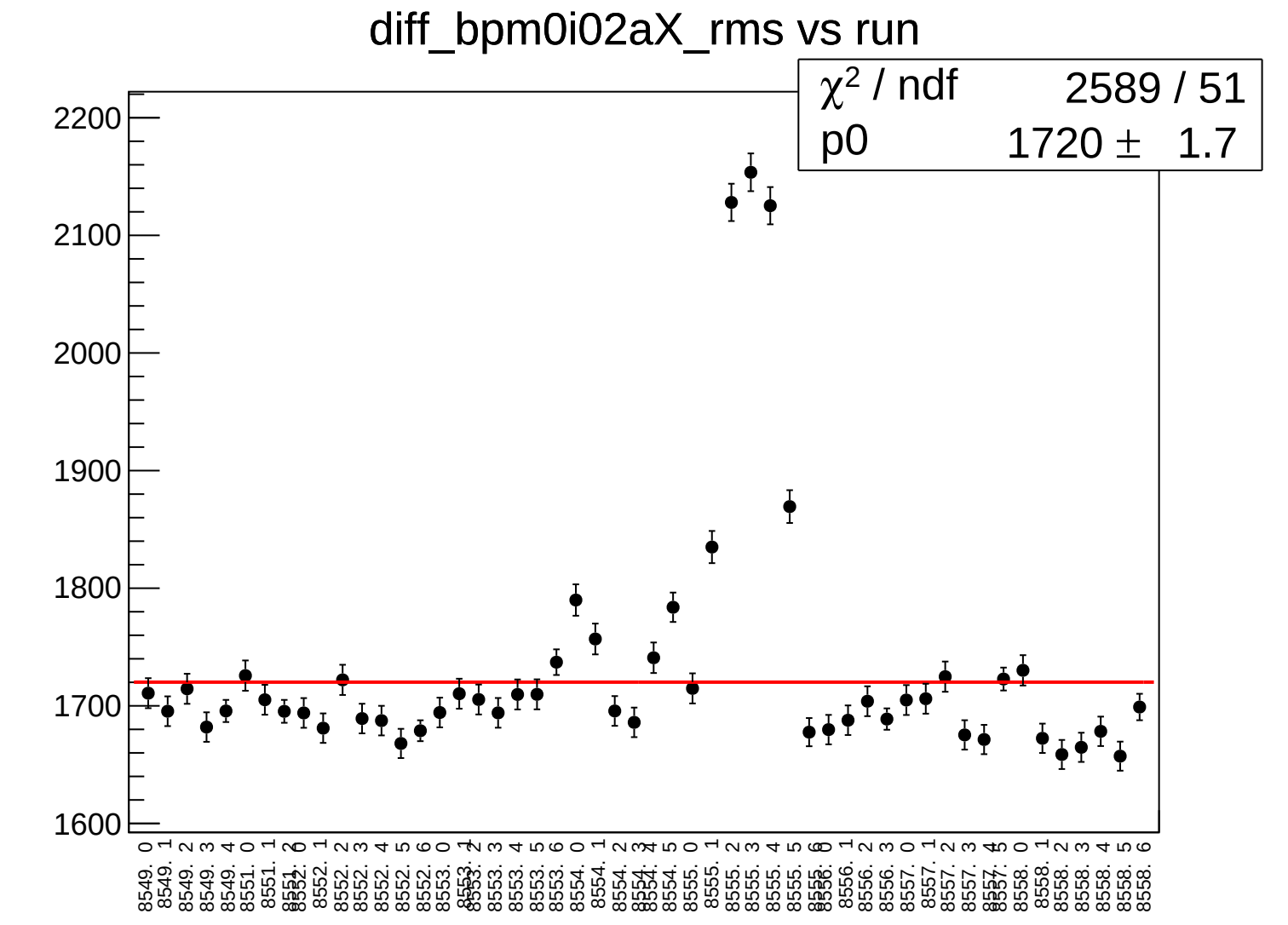
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6


diff_bpm0i02aX_mean vs run
χ² / ndf 87.07 / 51
p0 −29.44 ± 2.404
pull
Entries 52
Mean 56.61
Std Dev 0


pull1D
Entries 52
Mean −0.03592
Std Dev 1.293


diff_bpm0i02aX_rms vs run
χ² / ndf 2589 / 51
p0 1720 ± 1.7
2200
2100
2000
1900
1800
1700
1600
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
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8554. 2
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8556. 2
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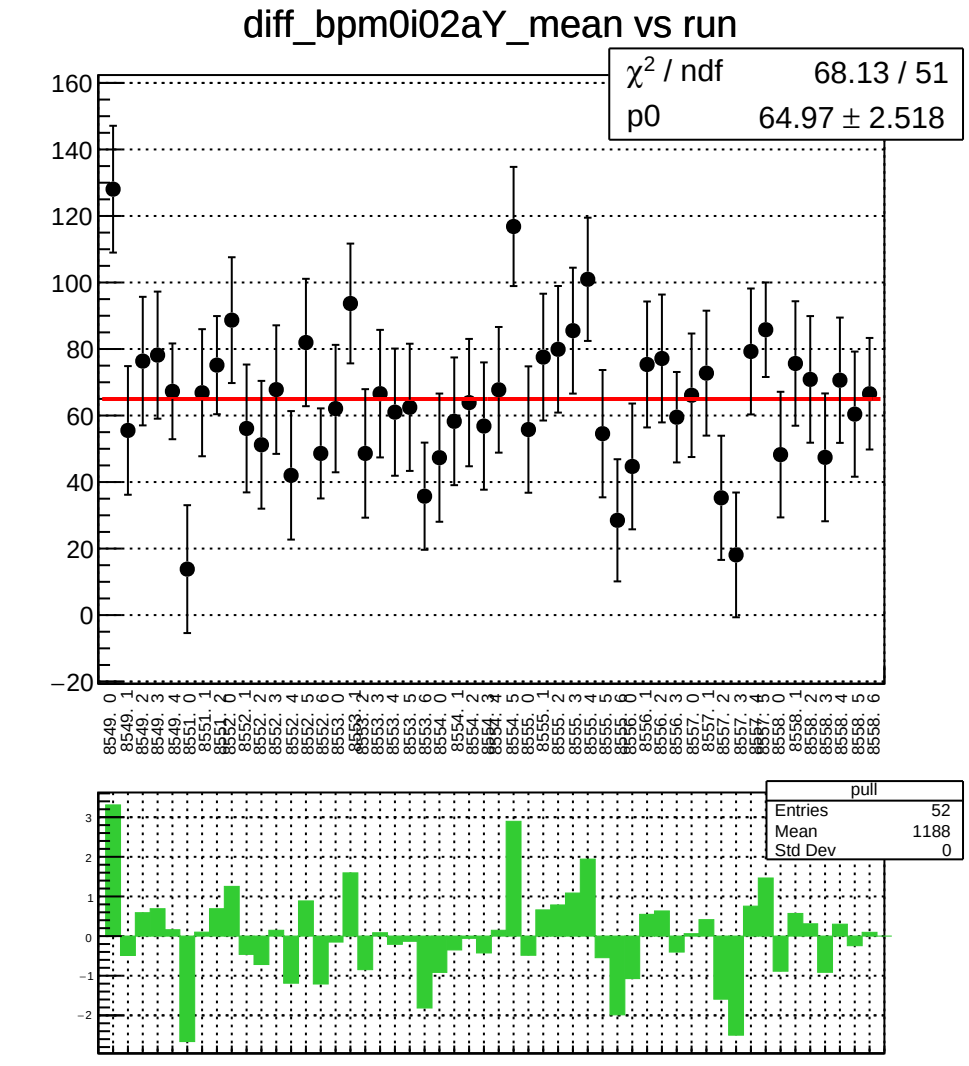
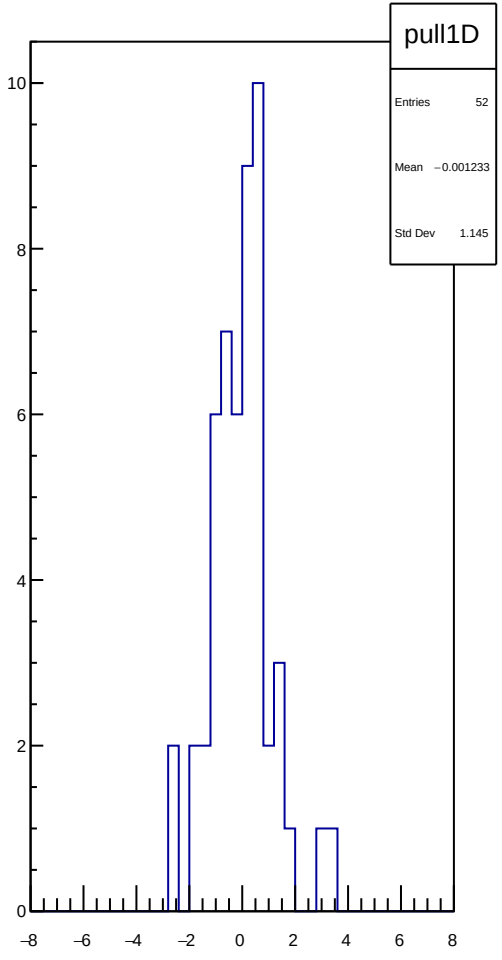
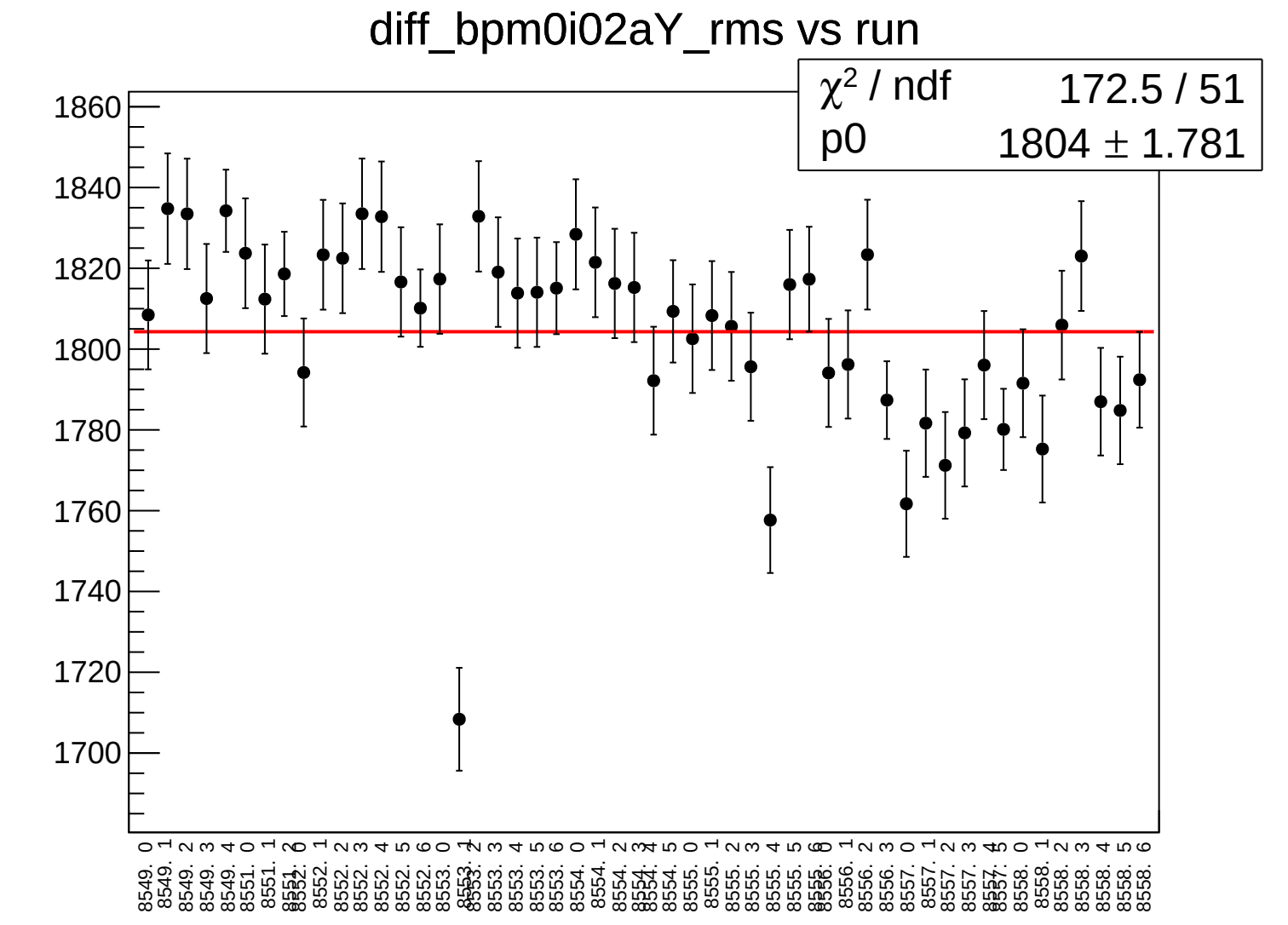
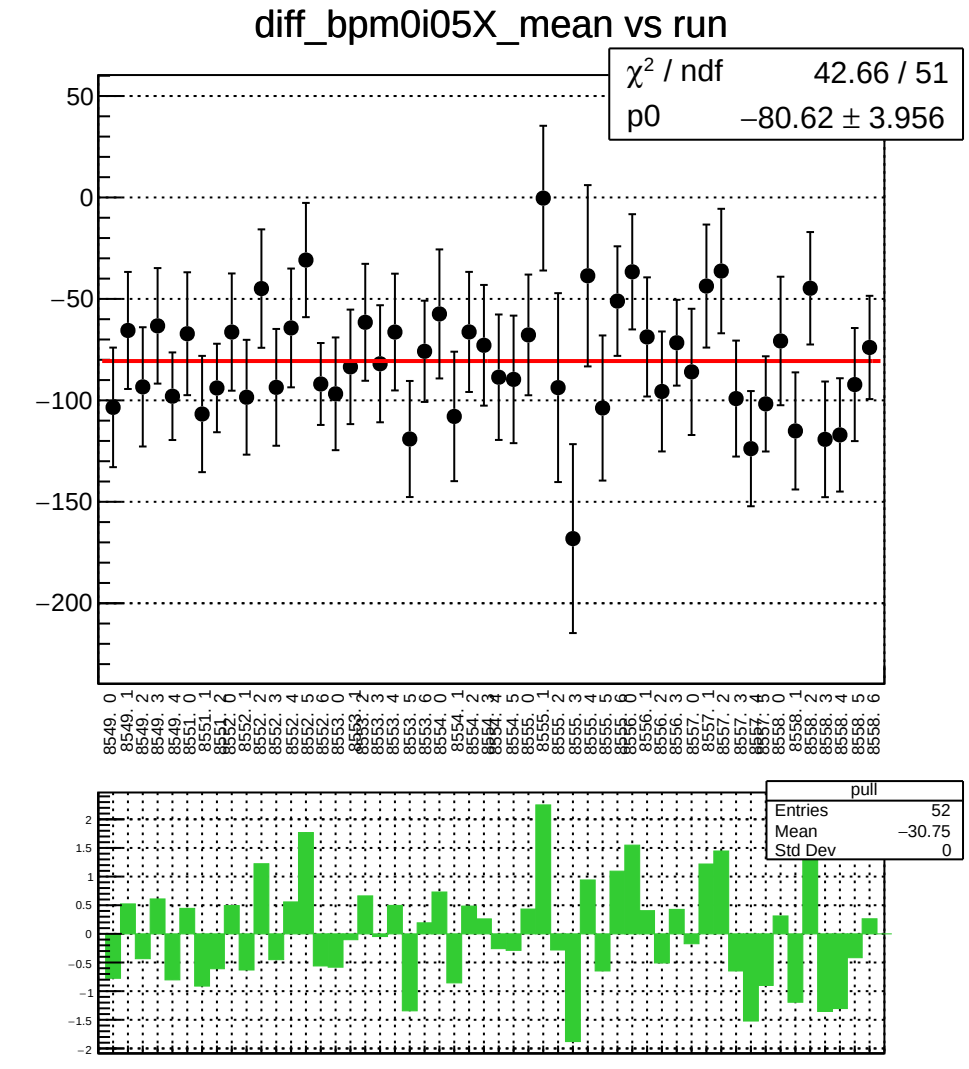
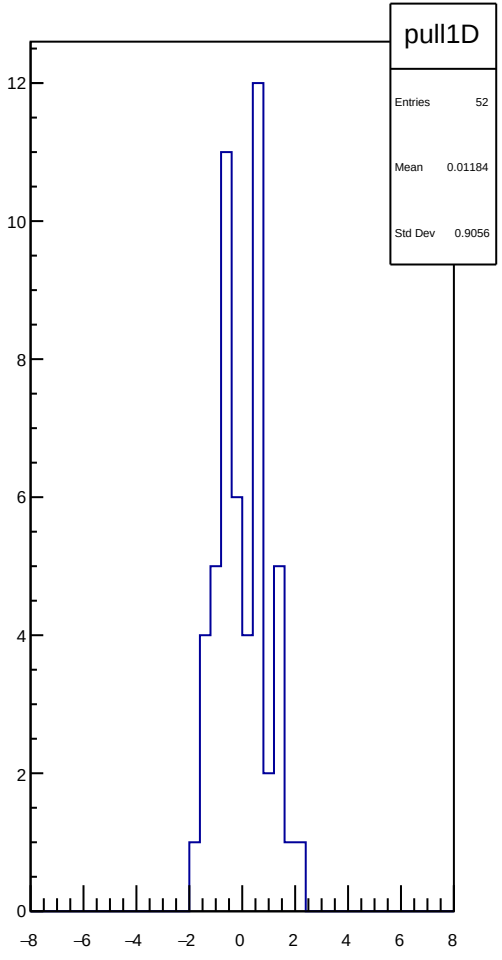
8558. 6

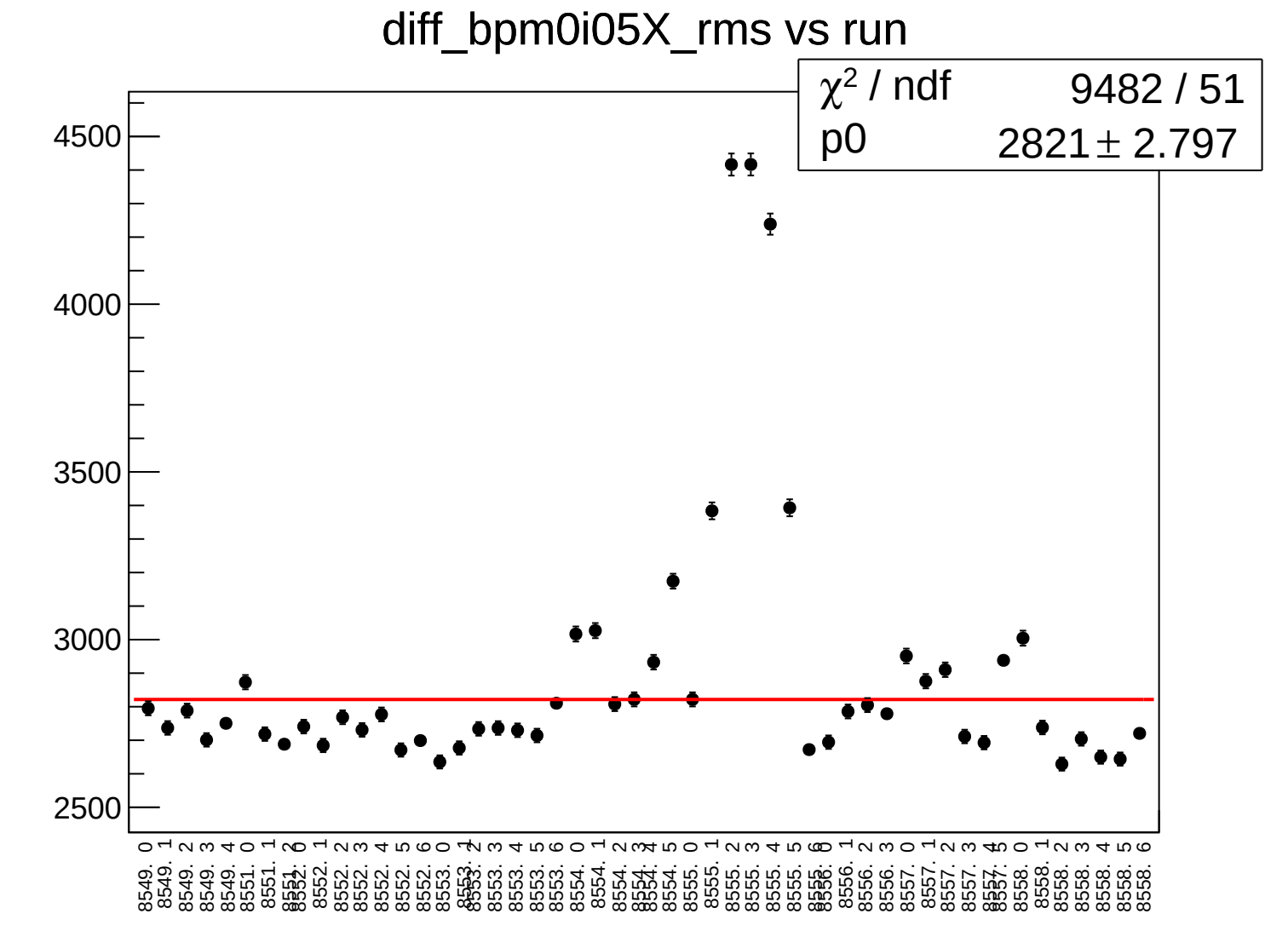

diff_bpm0i02aY_mean vs run
χ² / ndf 68.13 / 51
p0 64.97 ± 2.518
pull
Entries 52
Mean 1188
Std Dev 0

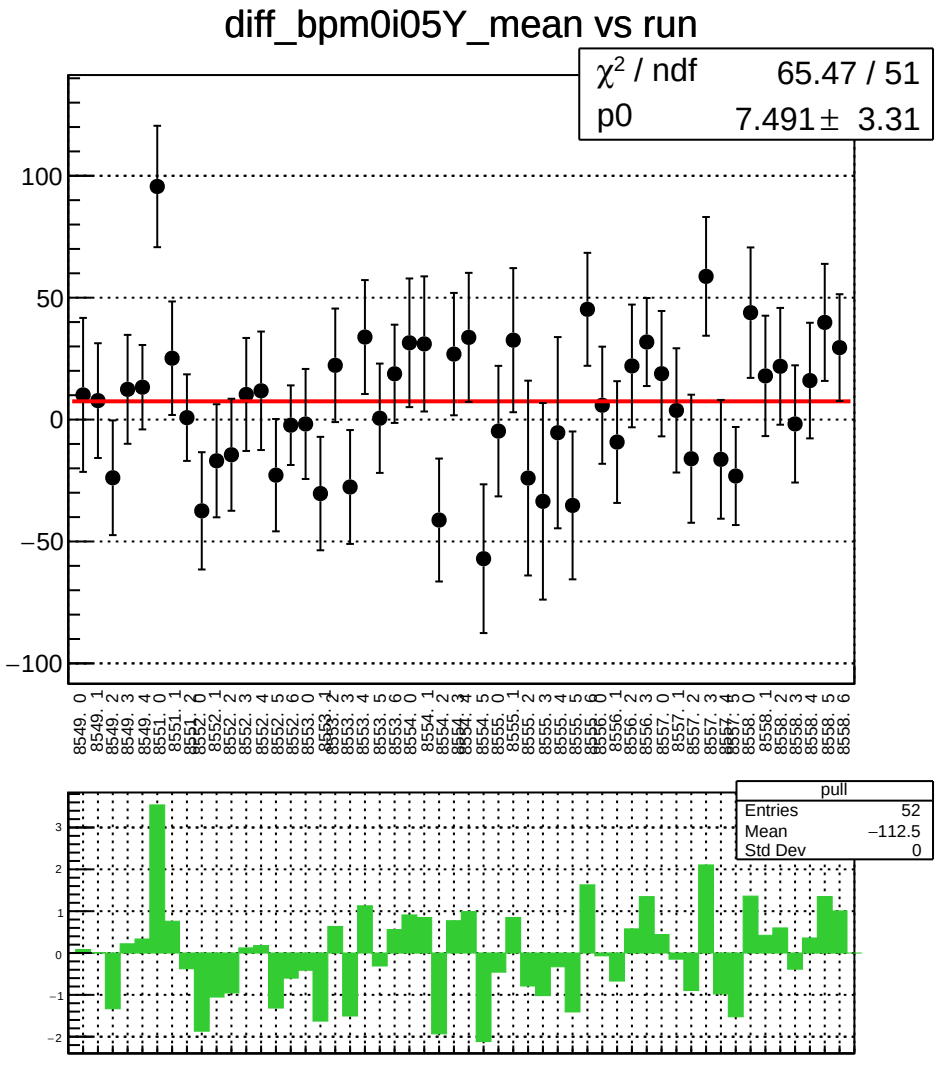

pull1D
Entries 52
Mean −0.001233
Std Dev 1.145

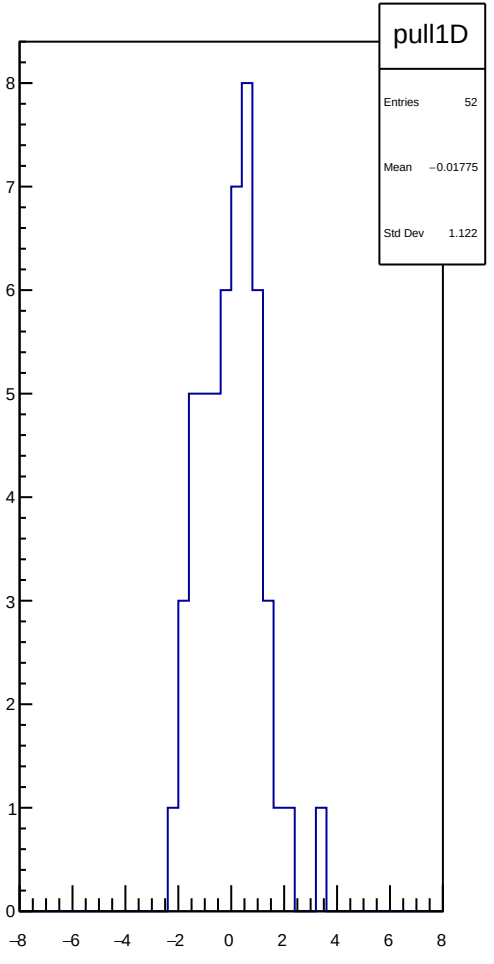

diff_bpm0i02aY_rms vs run
χ² / ndf 172.5 / 51
p0 1804 ± 1.781
1860
1840
1820
1800
1780
1760
1740
1720
1700
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 2
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 5
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

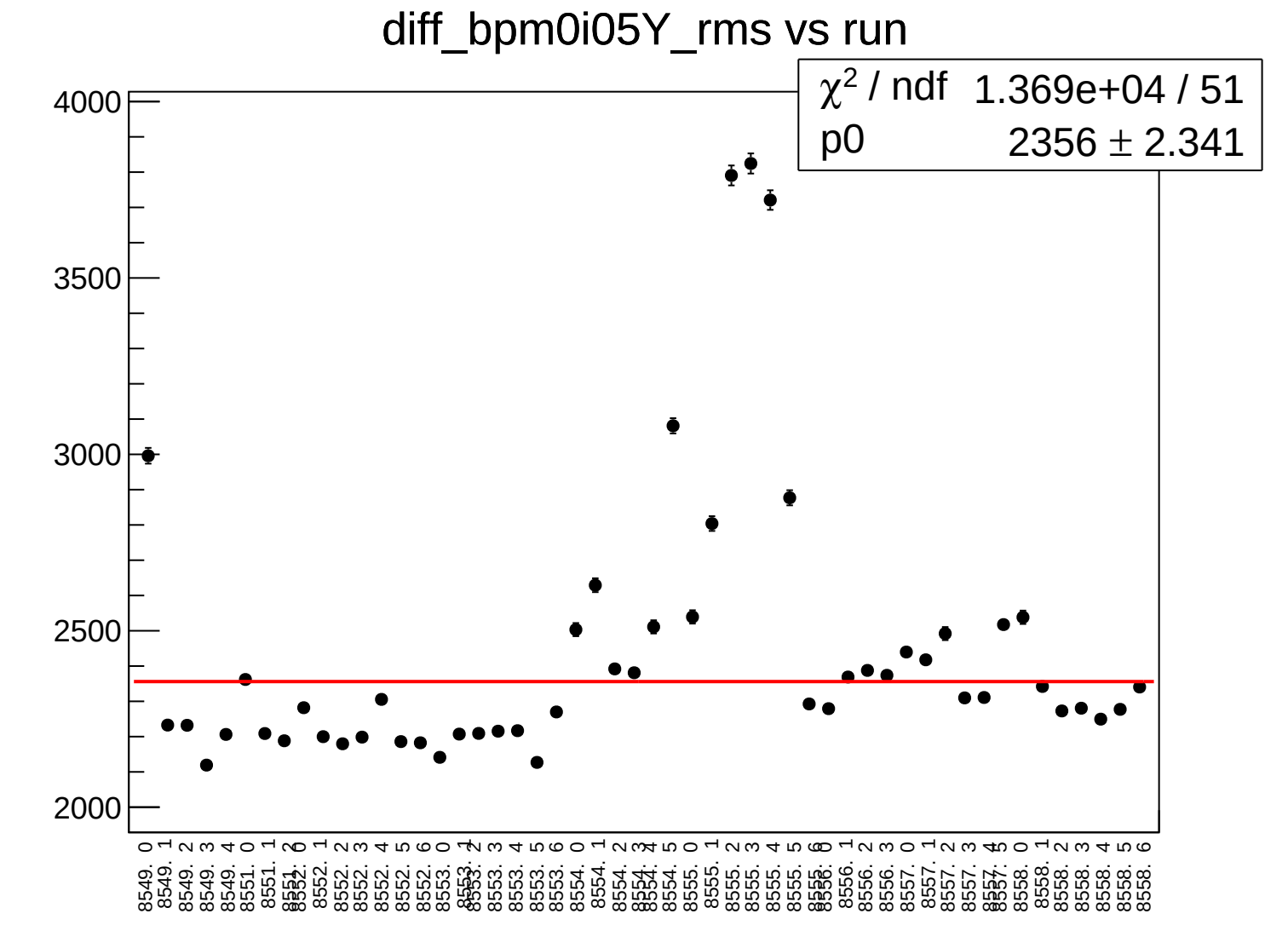

diff_bpm0i05X_mean vs run
χ² / ndf 42.66 / 51
p0 −80.62 ± 3.956
pull
Entries 52
Mean −30.75
Std Dev 0

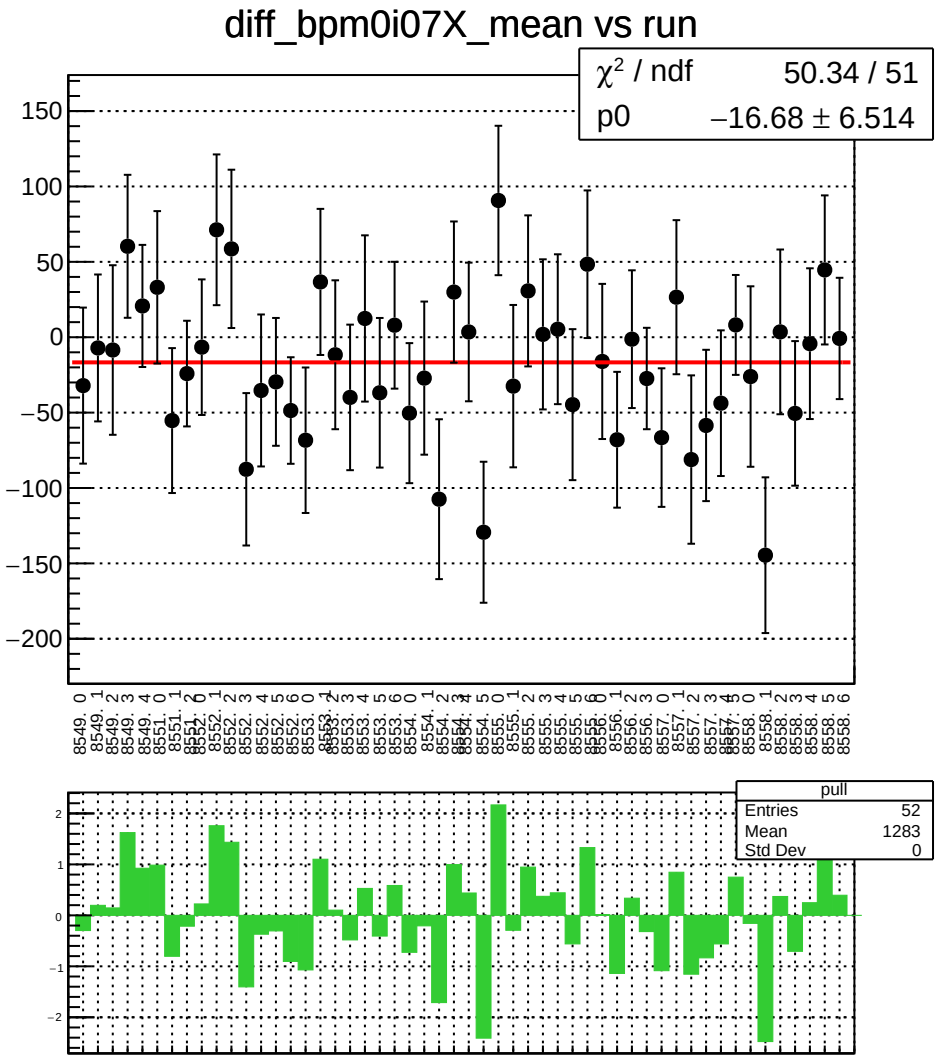

pull1D
Entries 52
Mean 0.01184
Std Dev 0.9056

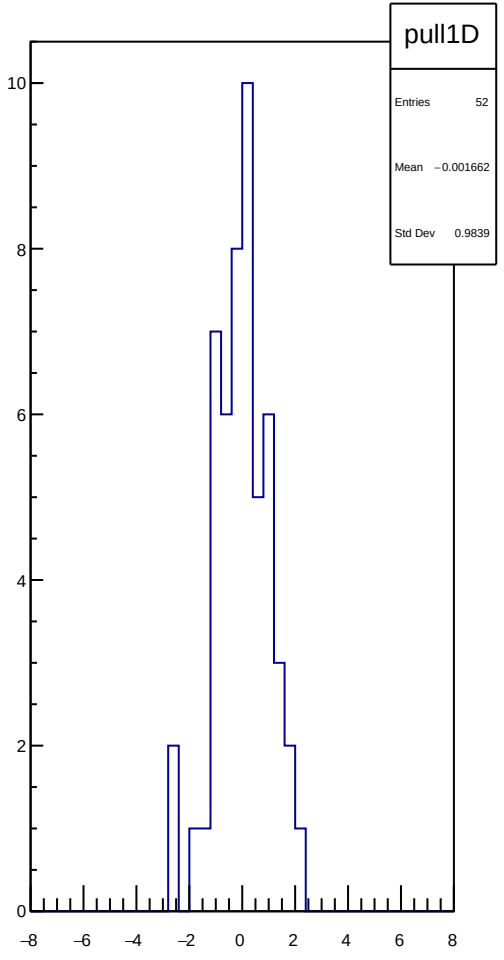

diff_bpm0i05X_rms vs run
χ² / ndf 9482 / 51
p0 2821 ± 2.797
4500
4000
3500
3000
2500
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 5
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

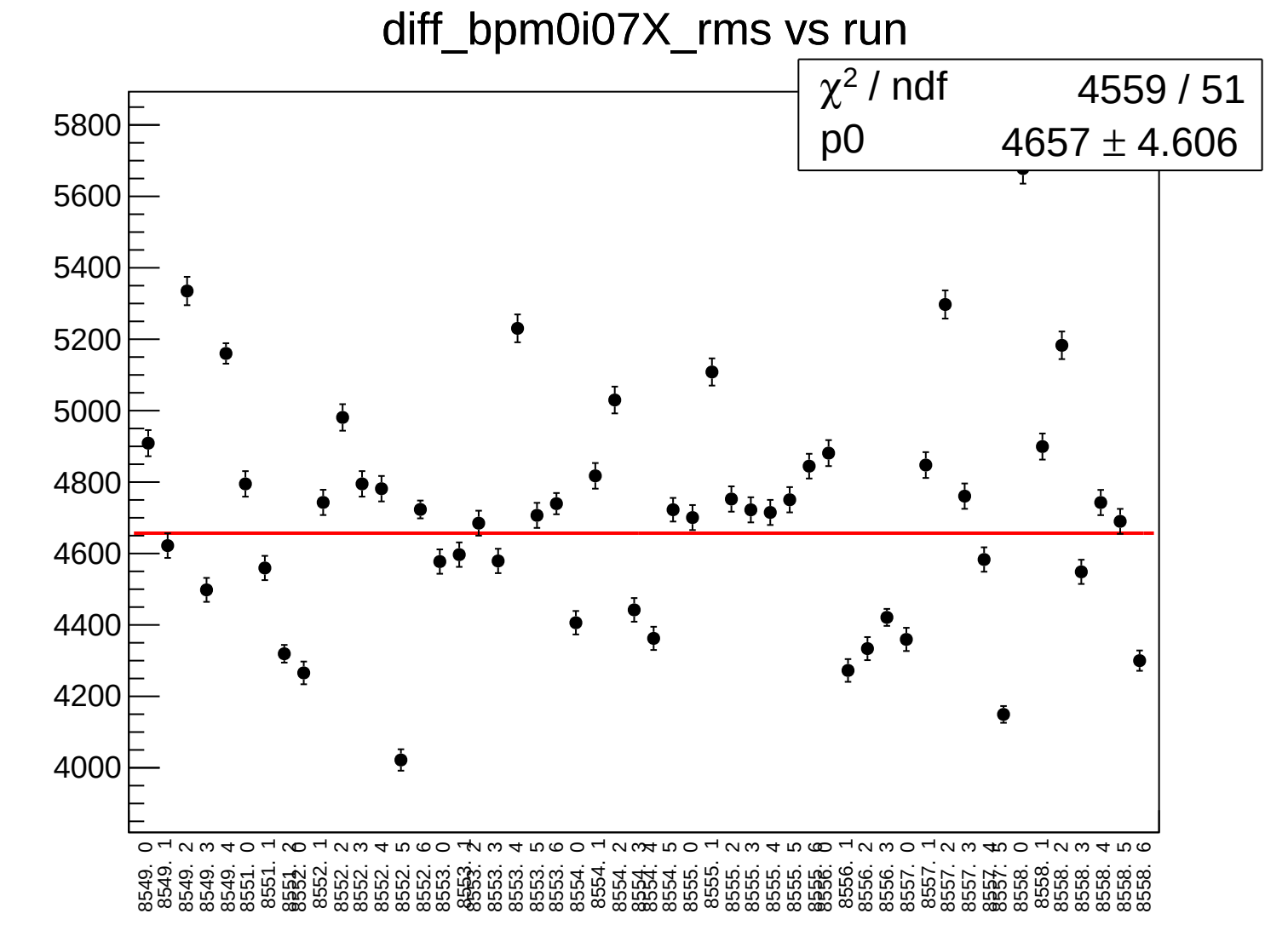

diff_bpm0i05Y_mean vs run
χ² / ndf 65.47 / 51
p0 7.491 ± 3.31
100
50
0
−50
−100
pull
Entries 52
Mean −112.5
Std Dev 0
3
2
1
0
−1
−2

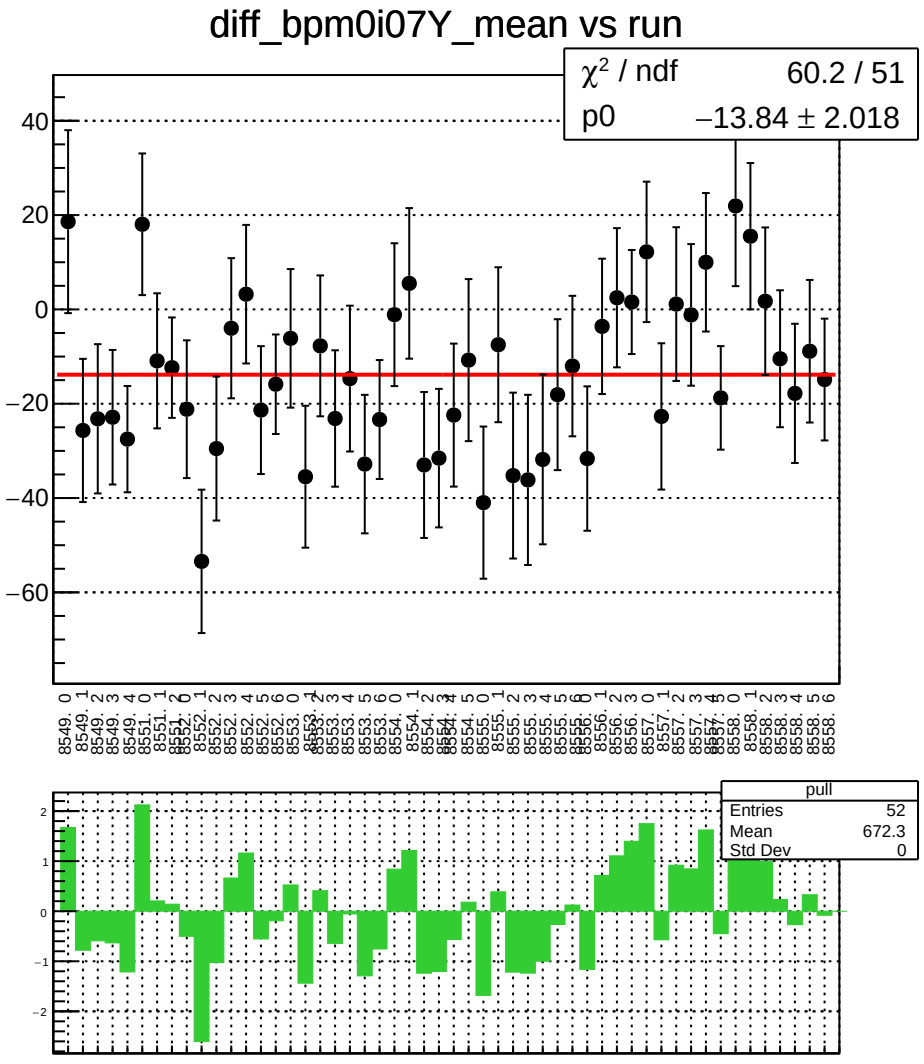

pull1D
Entries 52
Mean −0.01775
Std Dev 1.122
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

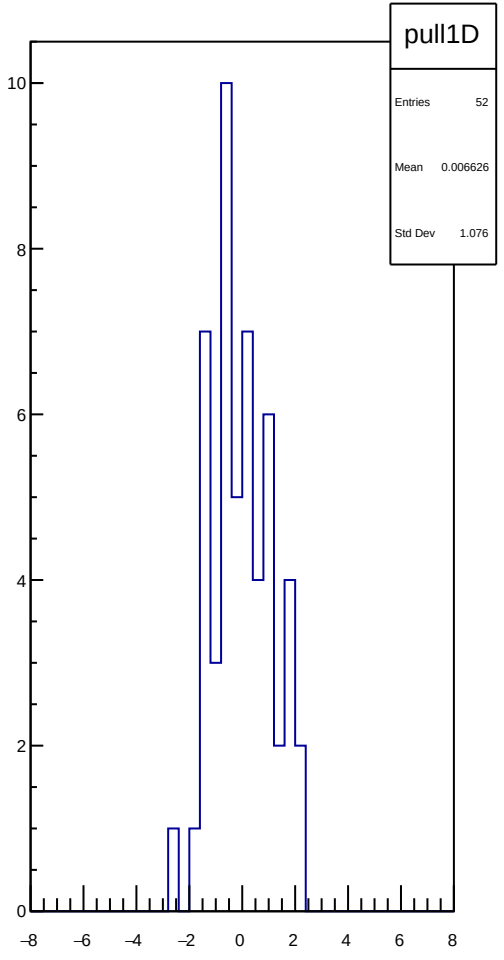

diff_bpm0i05Y_rms vs run
χ² / ndf 1.369e+04 / 51
p0 2356 ± 2.341
4000
3500
3000
2500
2000
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

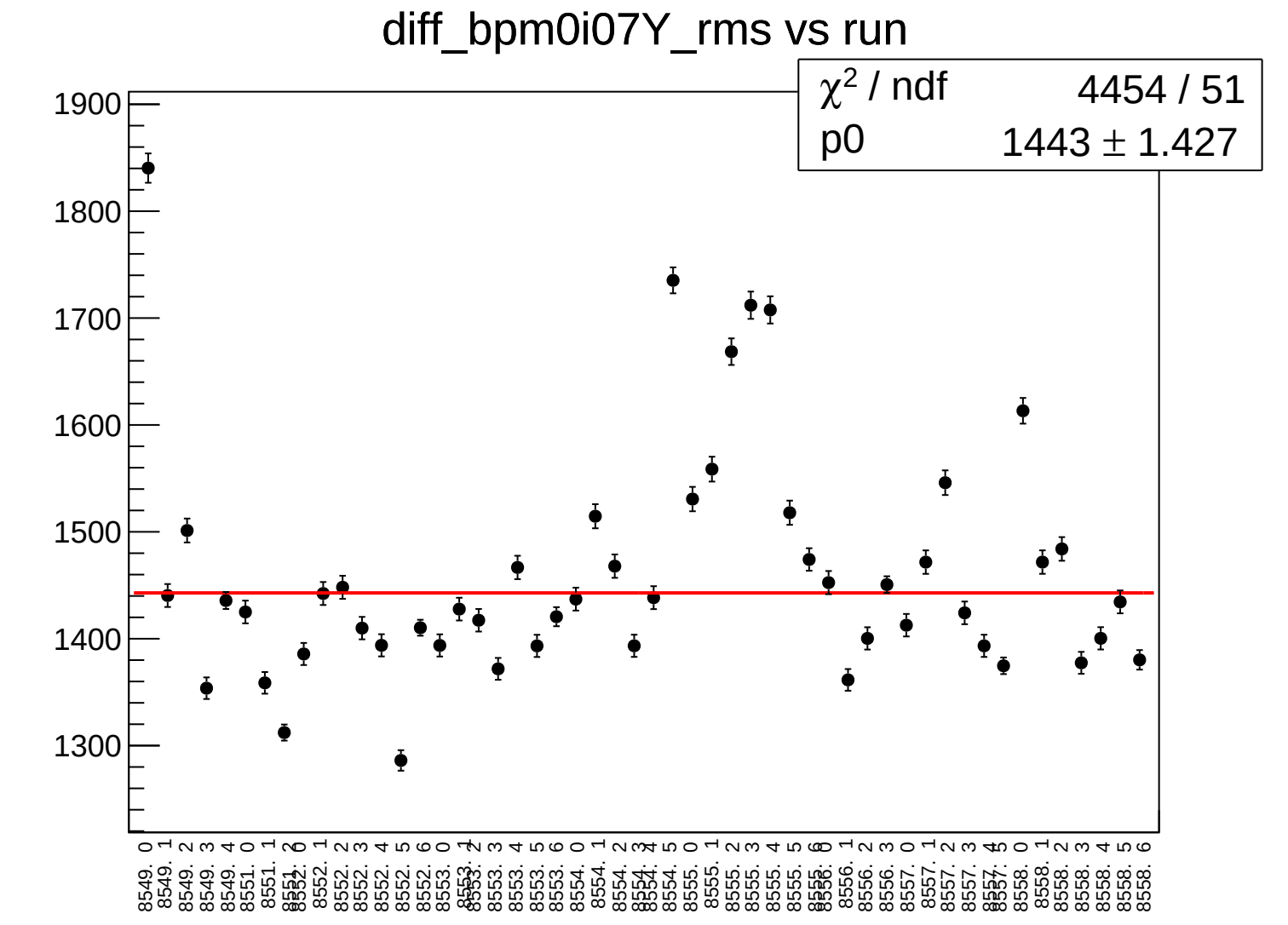

diff_bpm0i07X_mean vs run
χ² / ndf 50.34 / 51
p0 −16.68 ± 6.514
150
100
50
0
−50
−100
−150
−200
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8551. 2
8551. 6
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 1
8553. 2
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 3
8554. 4
8554. 5
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8555. 6
8556. 0
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8557. 4
8557. 5
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6
pull
Entries 52
Mean 1283
Std Dev 0
2
1
0
−1
−2

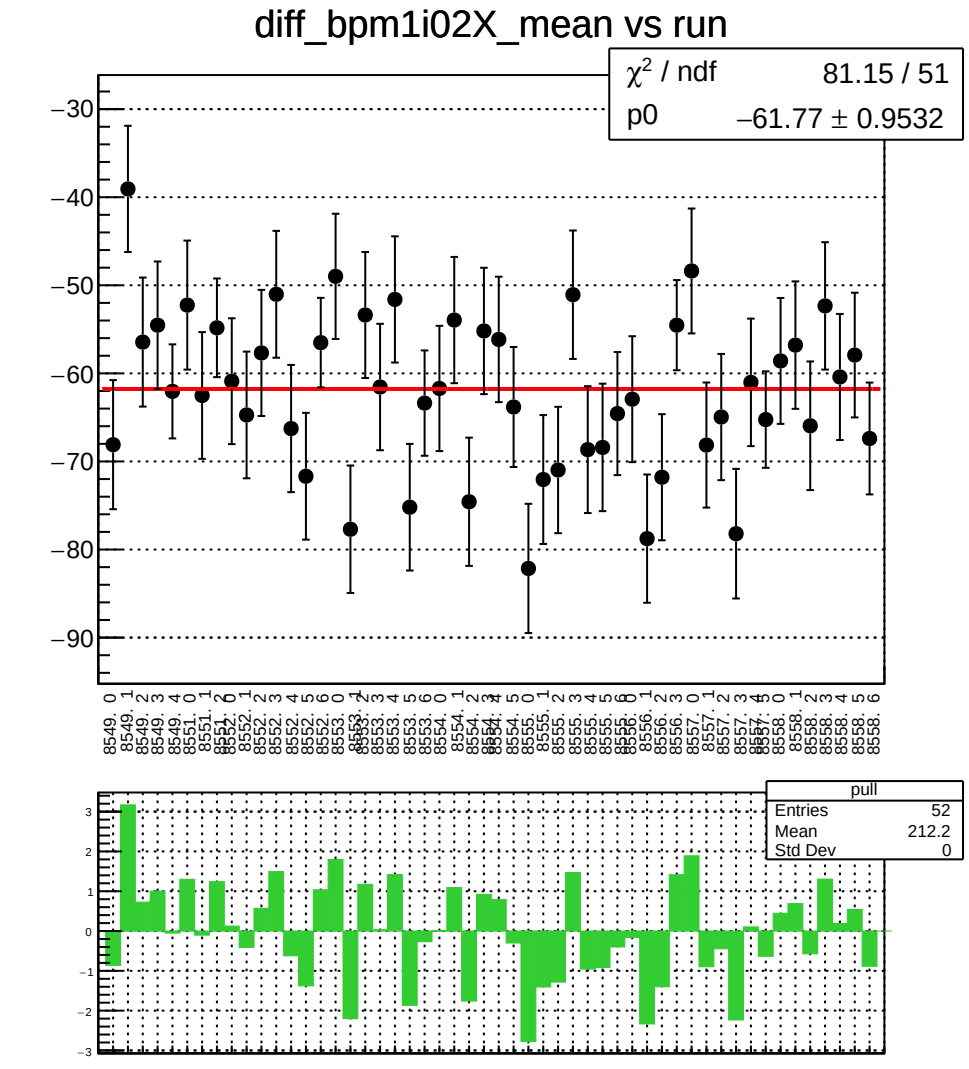

pull1D
Entries 52
Mean −0.001662
Std Dev 0.9839
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

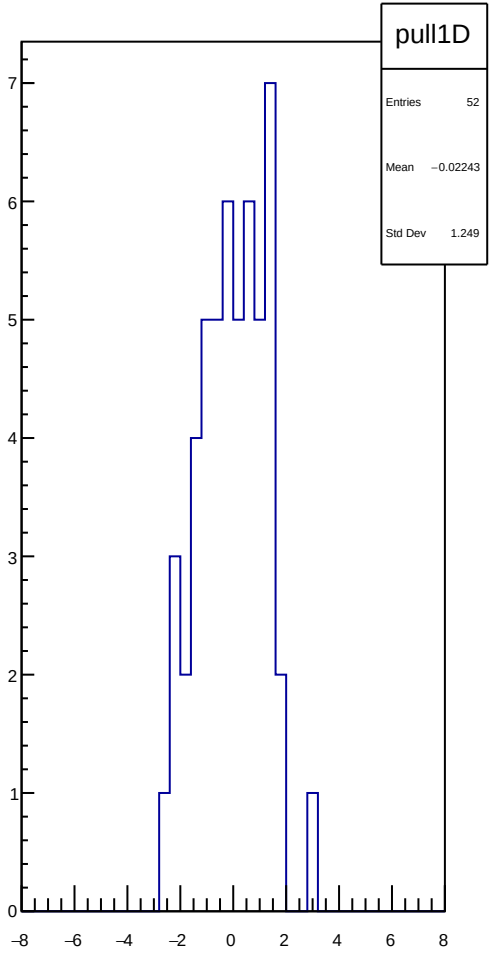

diff_bpm0i07X_rms vs run
χ² / ndf 4559 / 51
p0 4657 ± 4.606
5800
5600
5400
5200
5000
4800
4600
4400
4200
4000
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 5
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

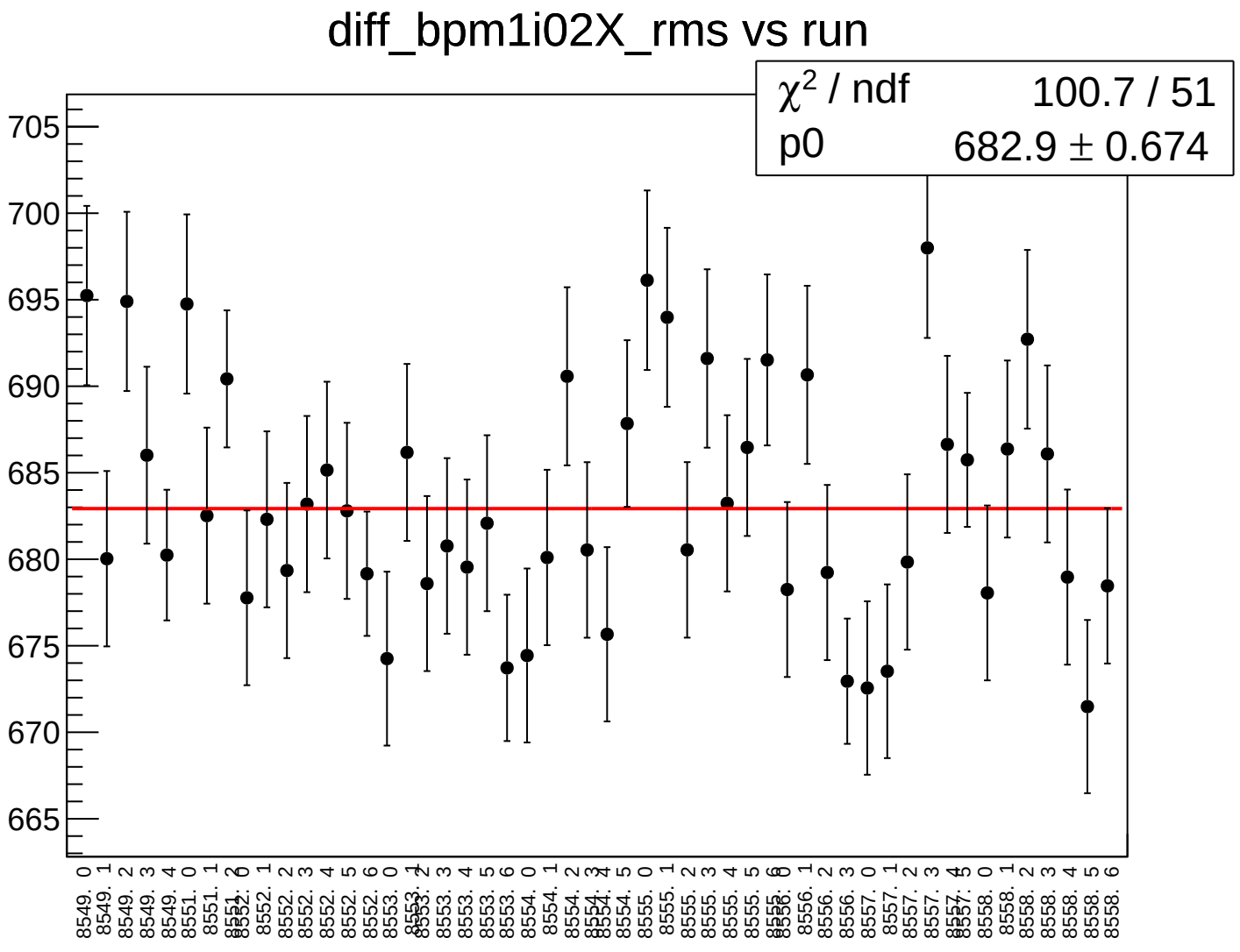

diff_bpm0i07Y_mean vs run
χ² / ndf 60.2 / 51
p0 −13.84 ± 2.018
pull
Entries 52
Mean 672.3
Std Dev 0

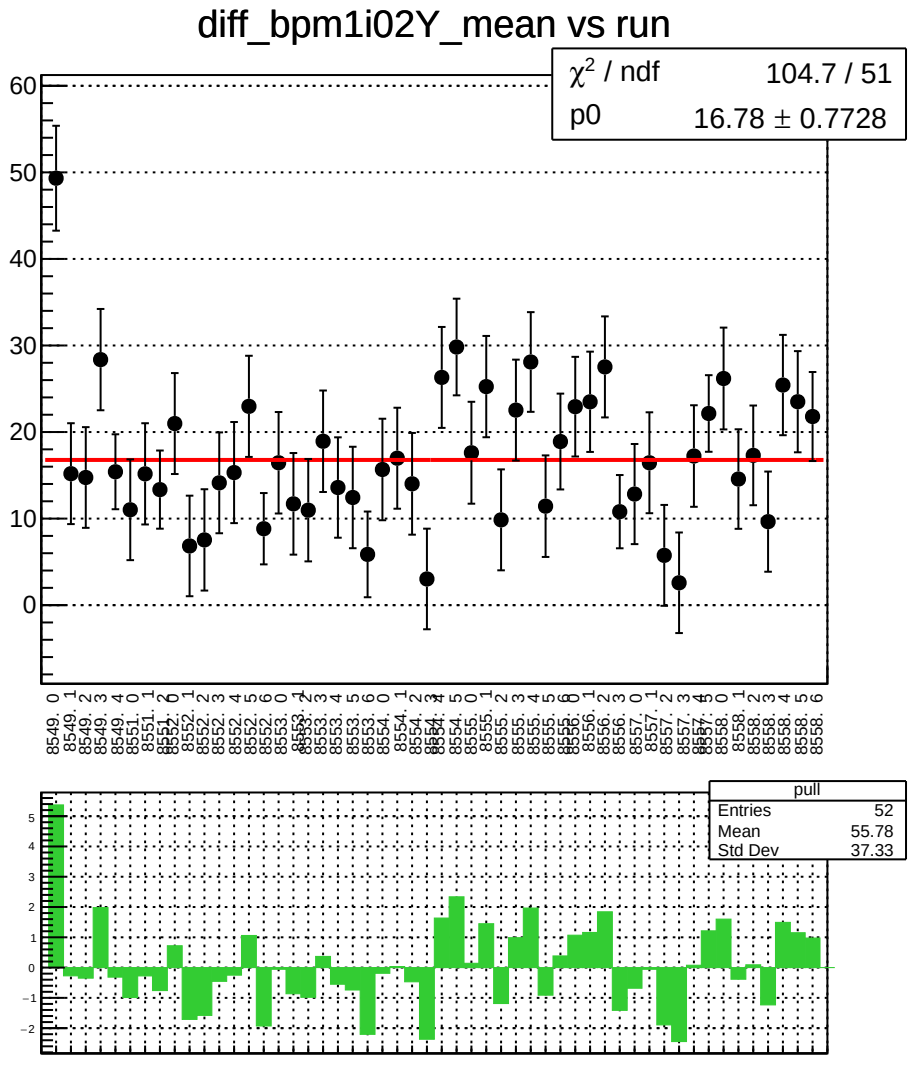

pull1D
Entries 52
Mean 0.006626
Std Dev 1.076

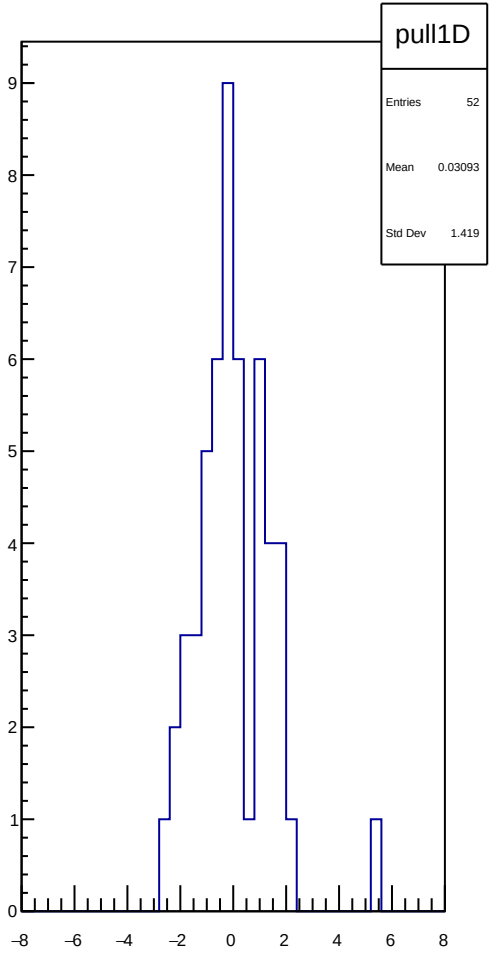

diff_bpm0i07Y_rms vs run
χ² / ndf 4454 / 51
p0 1443 ± 1.427
1900
1800
1700
1600
1500
1400
1300
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 5
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

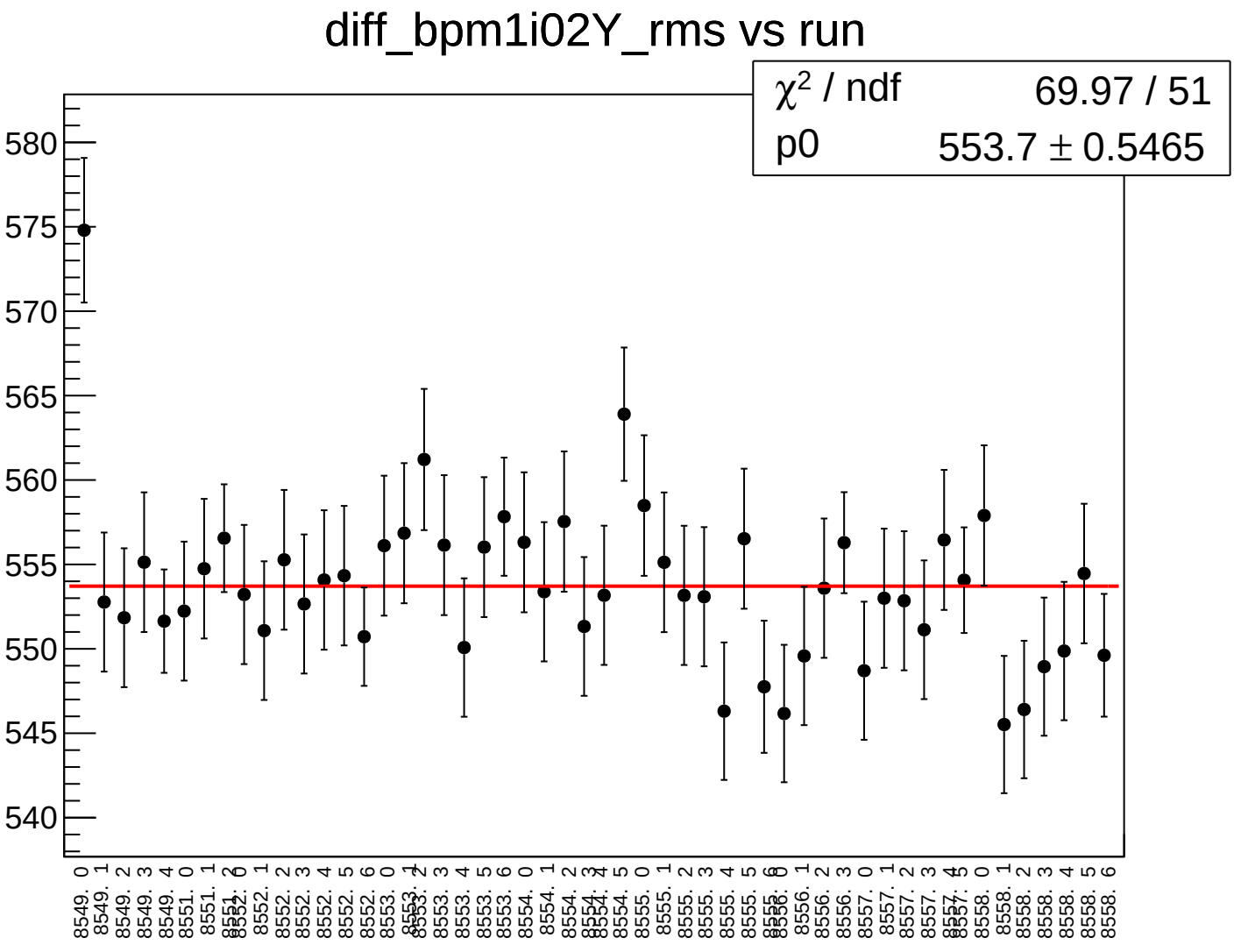

diff_bpm1i02X_mean vs run
χ² / ndf 81.15 / 51
p0 −61.77 ± 0.9532
pull
Entries 52
Mean 212.2
Std Dev 0


pull1D
Entries 52
Mean −0.02243
Std Dev 1.249


diff_bpm1i02X_rms vs run
χ^2 / ndf 100.7 / 51
p0 682.9 ± 0.674
705
700
695
690
685
680
675
670
665
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 5
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6


diff_bpm1i02Y_mean vs run
χ² / ndf 104.7 / 51
p0 16.78 ± 0.7728
pull
Entries 52
Mean 55.78
Std Dev 37.33


pull1D
Entries 52
Mean 0.03093
Std Dev 1.419


diff_bpm1i02Y_rms vs run
χ² / ndf 69.97 / 51
p0 553.7 ± 0.5465
580
575
570
565
560
555
550
545
540
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
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8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
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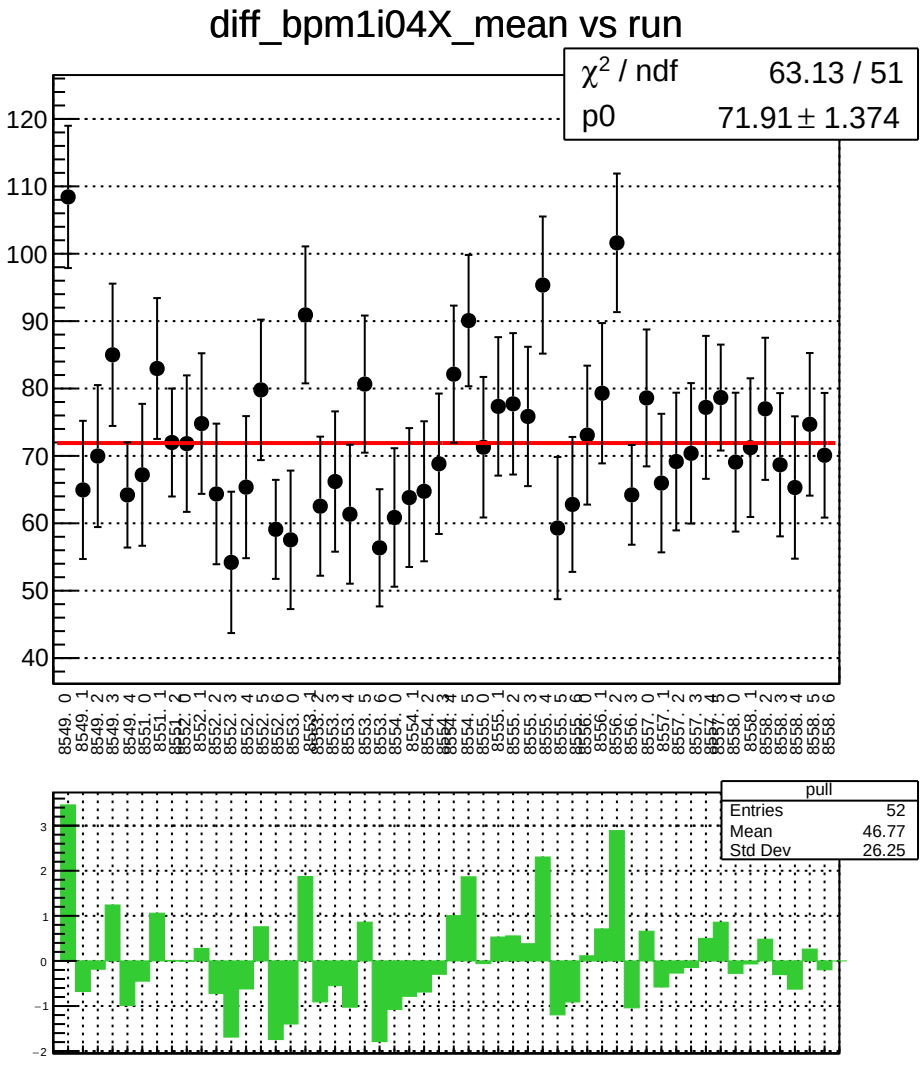
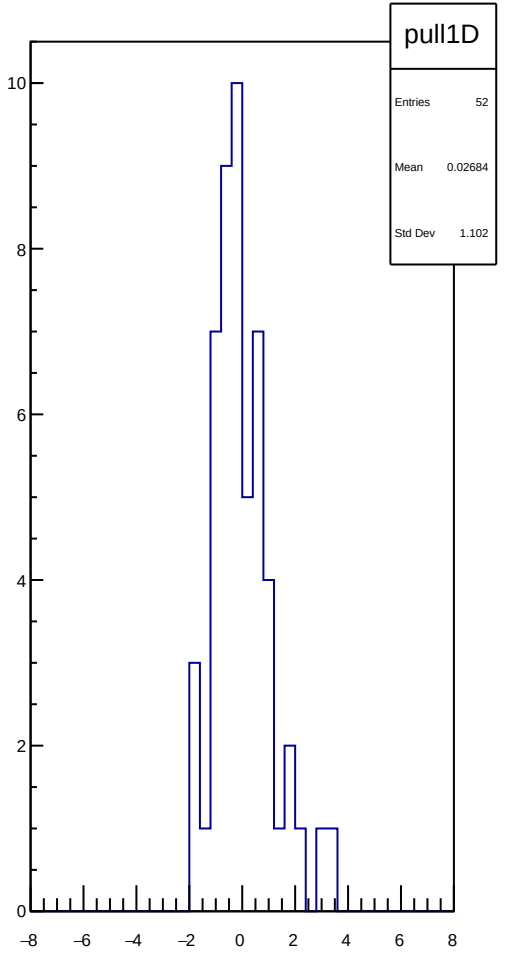
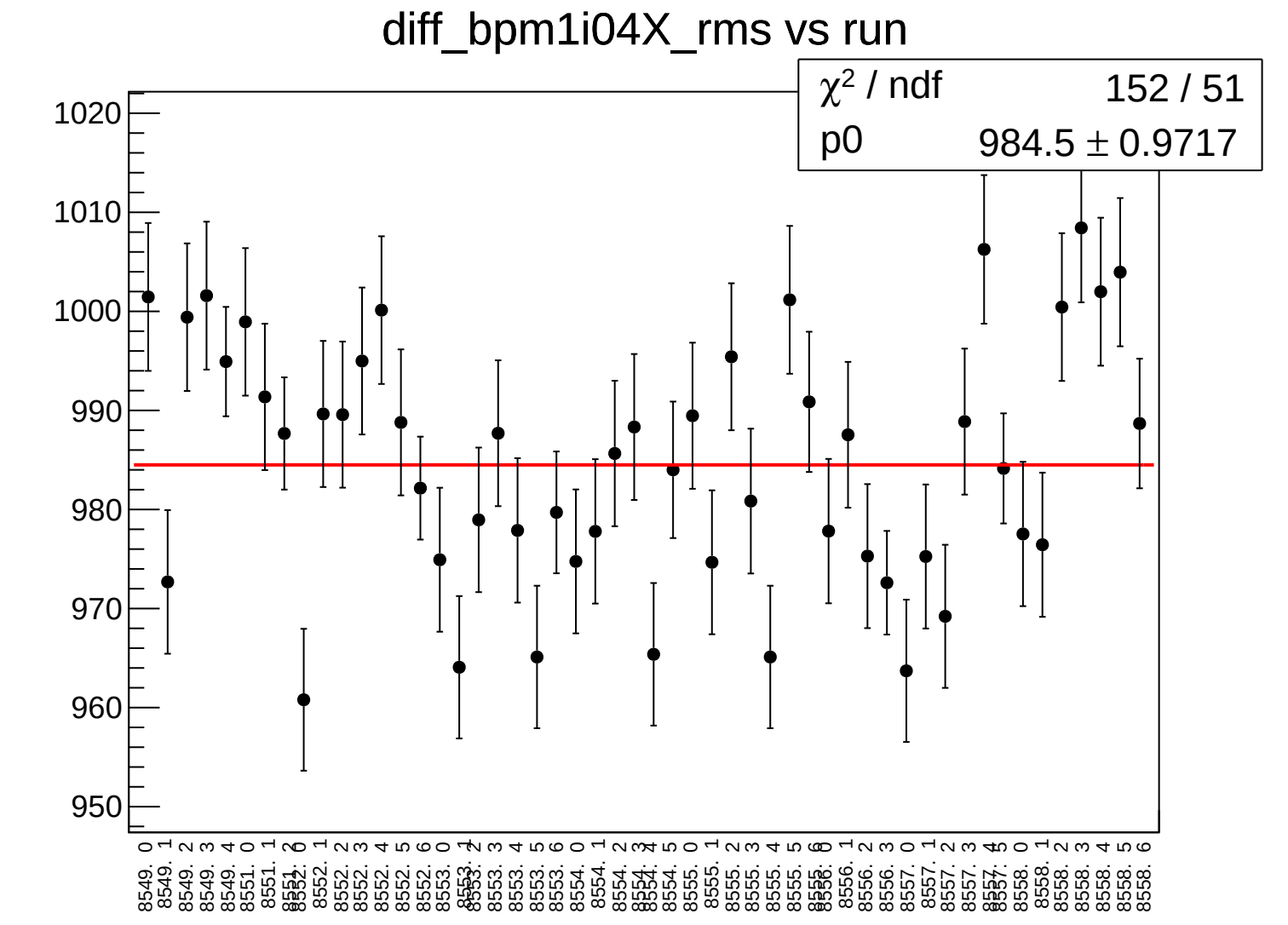
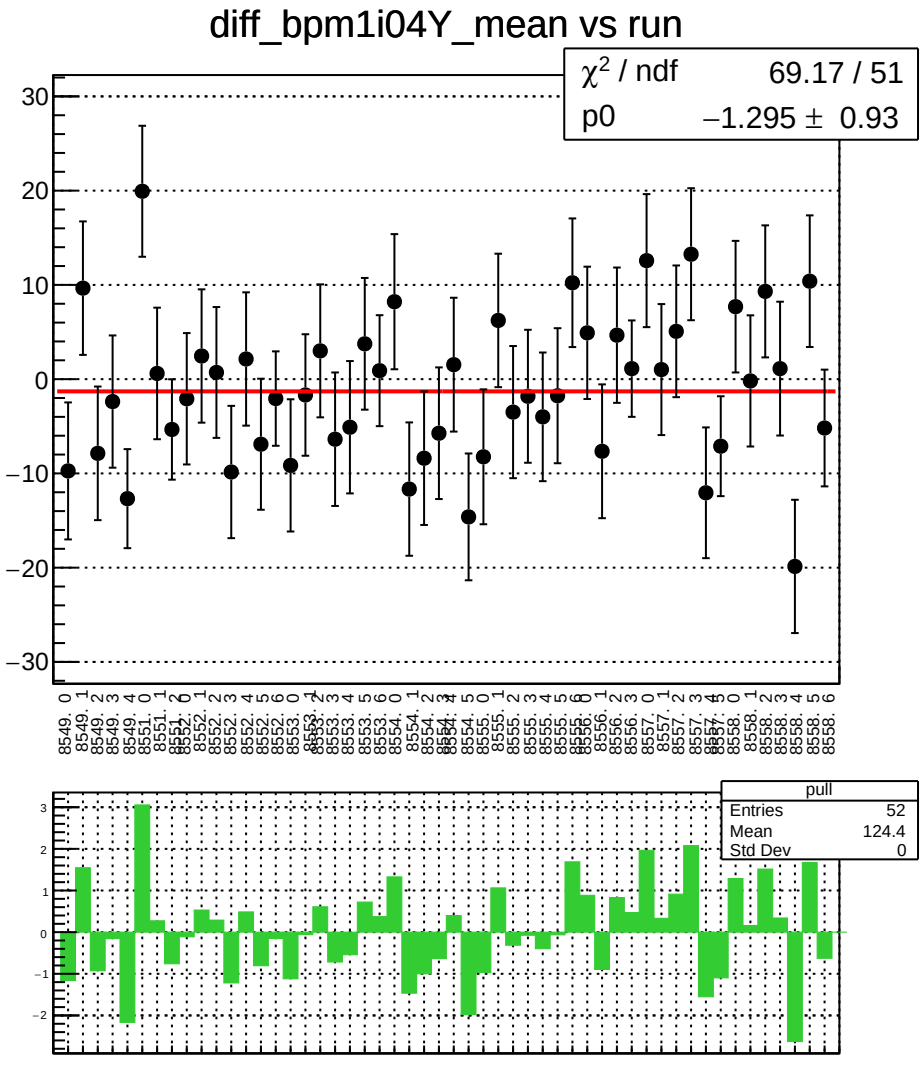
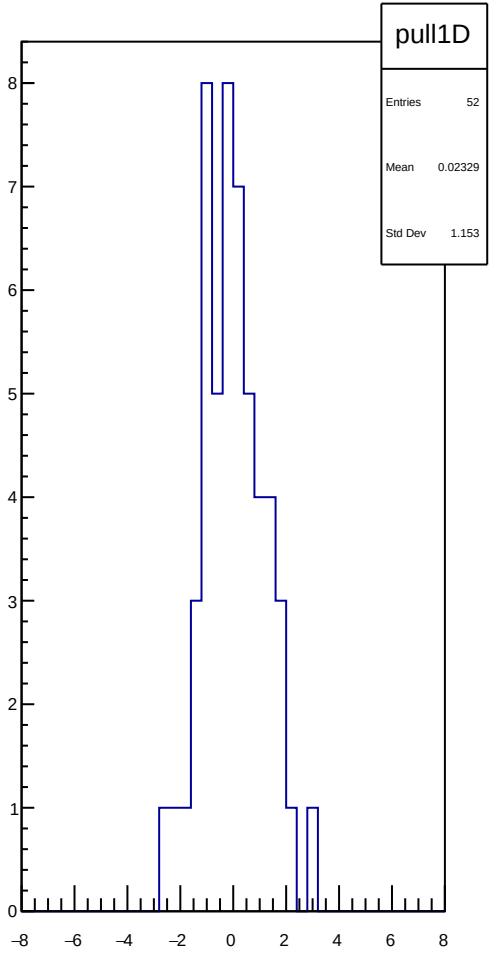
8558. 5
8558. 6

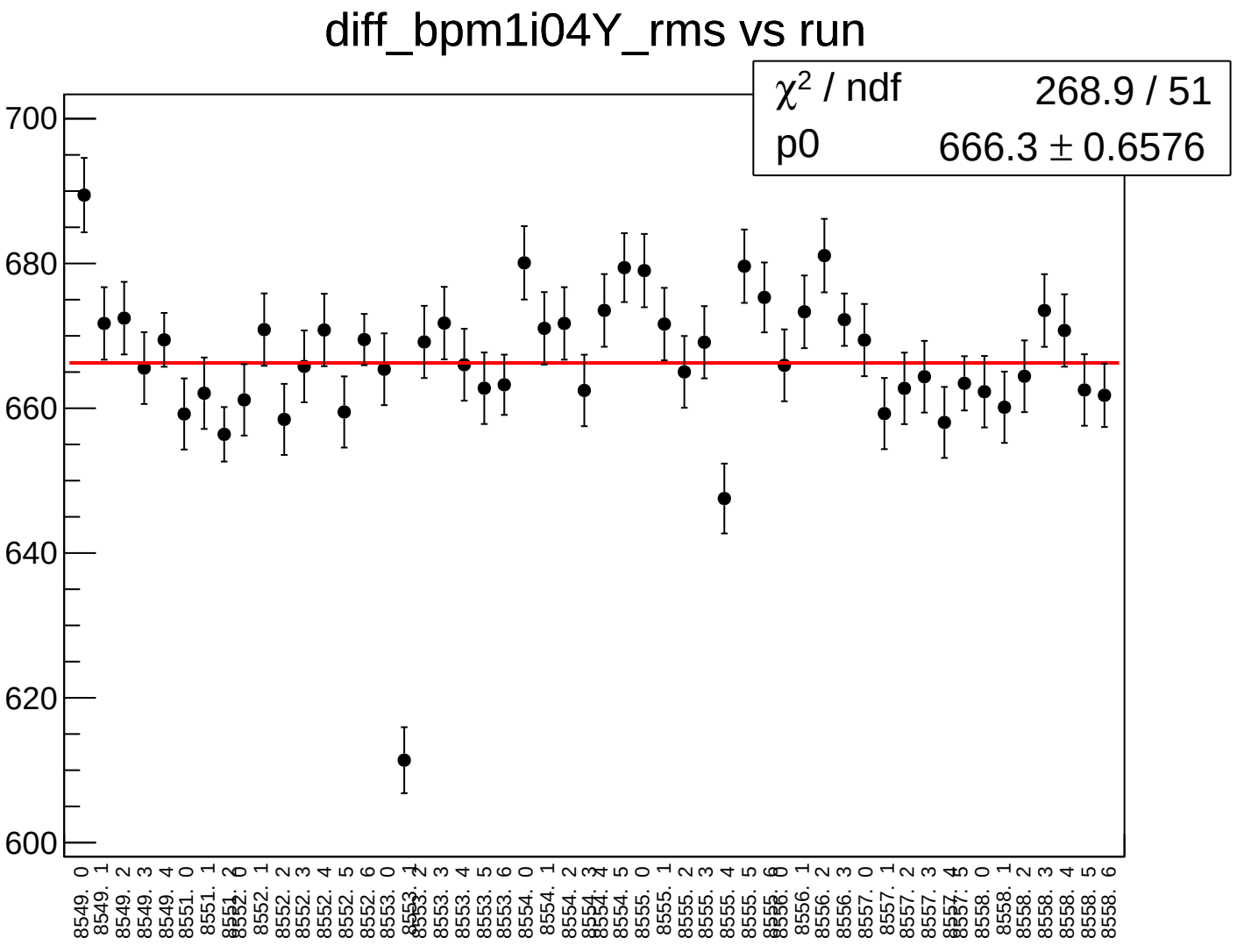

diff_bpm1i04X_mean vs run
χ^2 / ndf 63.13 / 51
p0 71.91 ± 1.374
pull
Entries 52
Mean 46.77
Std Dev 26.25

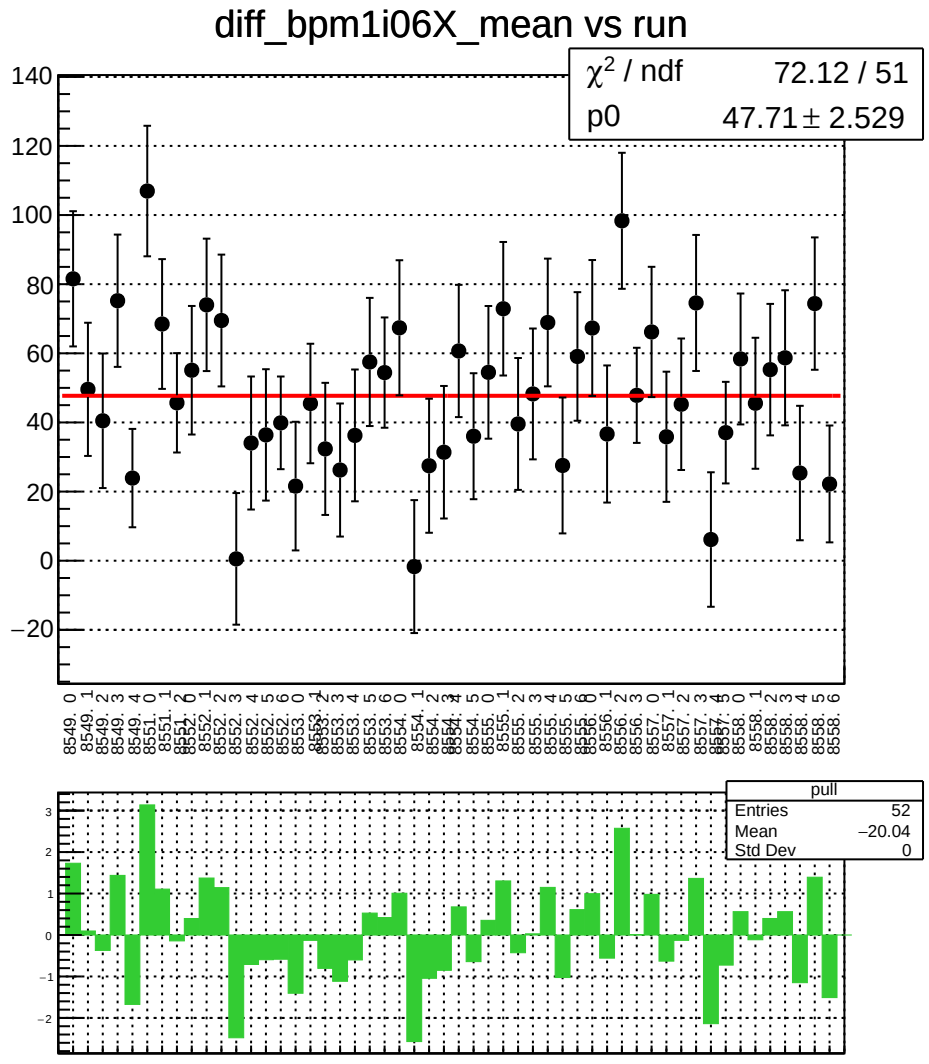

pull1D
Entries 52
Mean 0.02684
Std Dev 1.102

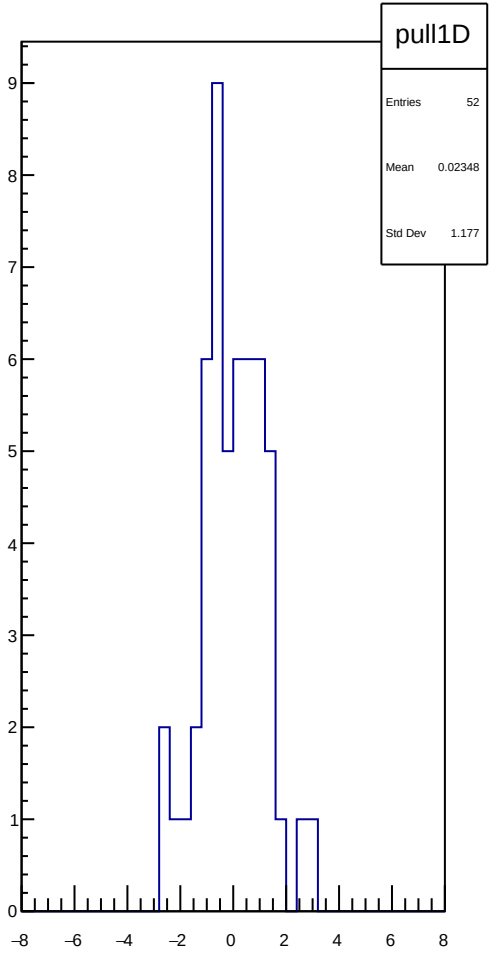

diff_bpm1i04X_rms vs run
χ² / ndf 152 / 51
p0 984.5 ± 0.9717
1020
1010
1000
990
980
970
960
950
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 5
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

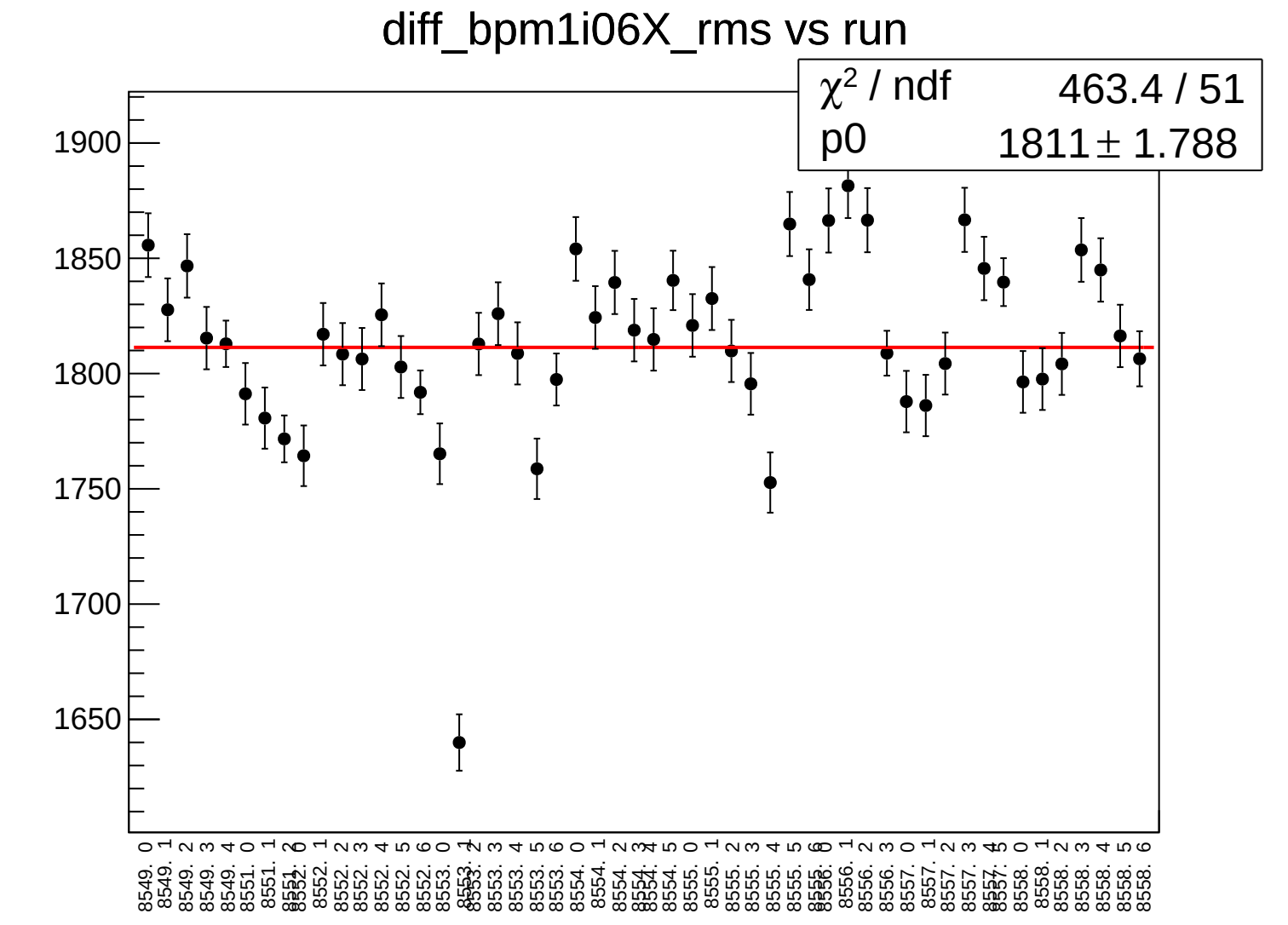

diff_bpm1i04Y_mean vs run
χ^2 / ndf 69.17 / 51
p0 −1.295 ± 0.93
pull
Entries 52
Mean 124.4
Std Dev 0


pull1D
Entries 52
Mean 0.02329
Std Dev 1.153


diff_bpm1i04Y_rms vs run
χ² / ndf 268.9 / 51
p0 666.3 ± 0.6576
700
680
660
640
620
600
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 5
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6


diff_bpm1i06X_mean vs run
χ² / ndf 72.12 / 51
p0 47.71 ± 2.529
pull
Entries 52
Mean −20.04
Std Dev 0


pull1D
Entries 52
Mean 0.02348
Std Dev 1.177


diff_bpm1i06X_rms vs run
χ² / ndf 463.4 / 51
p0 1811 ± 1.788
1900
1850
1800
1750
1700
1650
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 5
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
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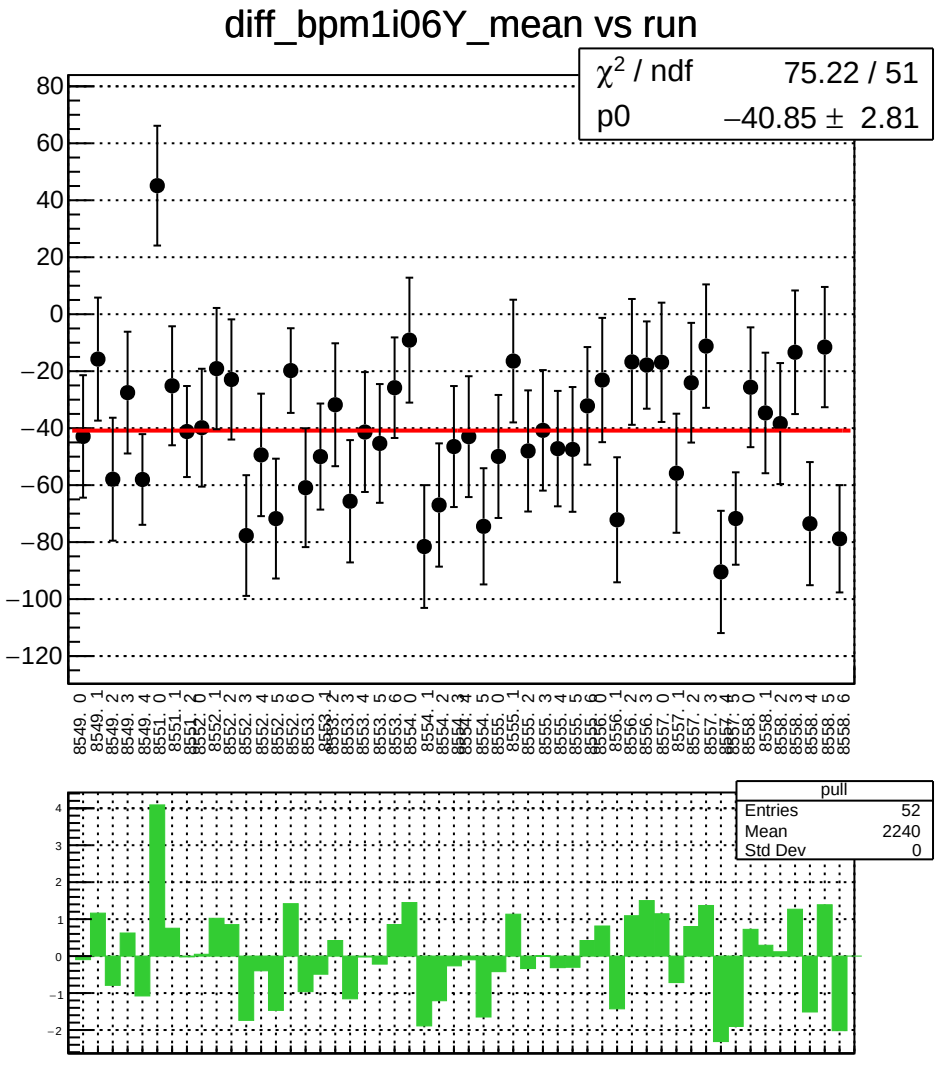
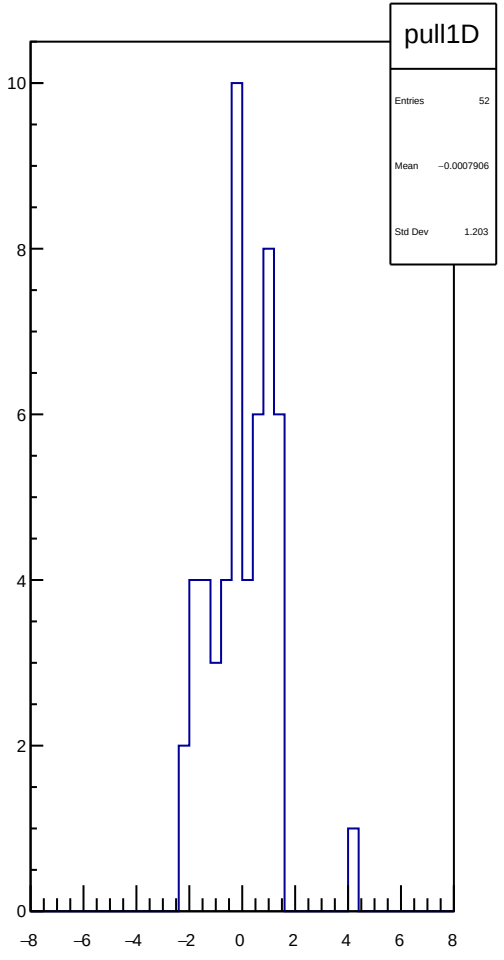
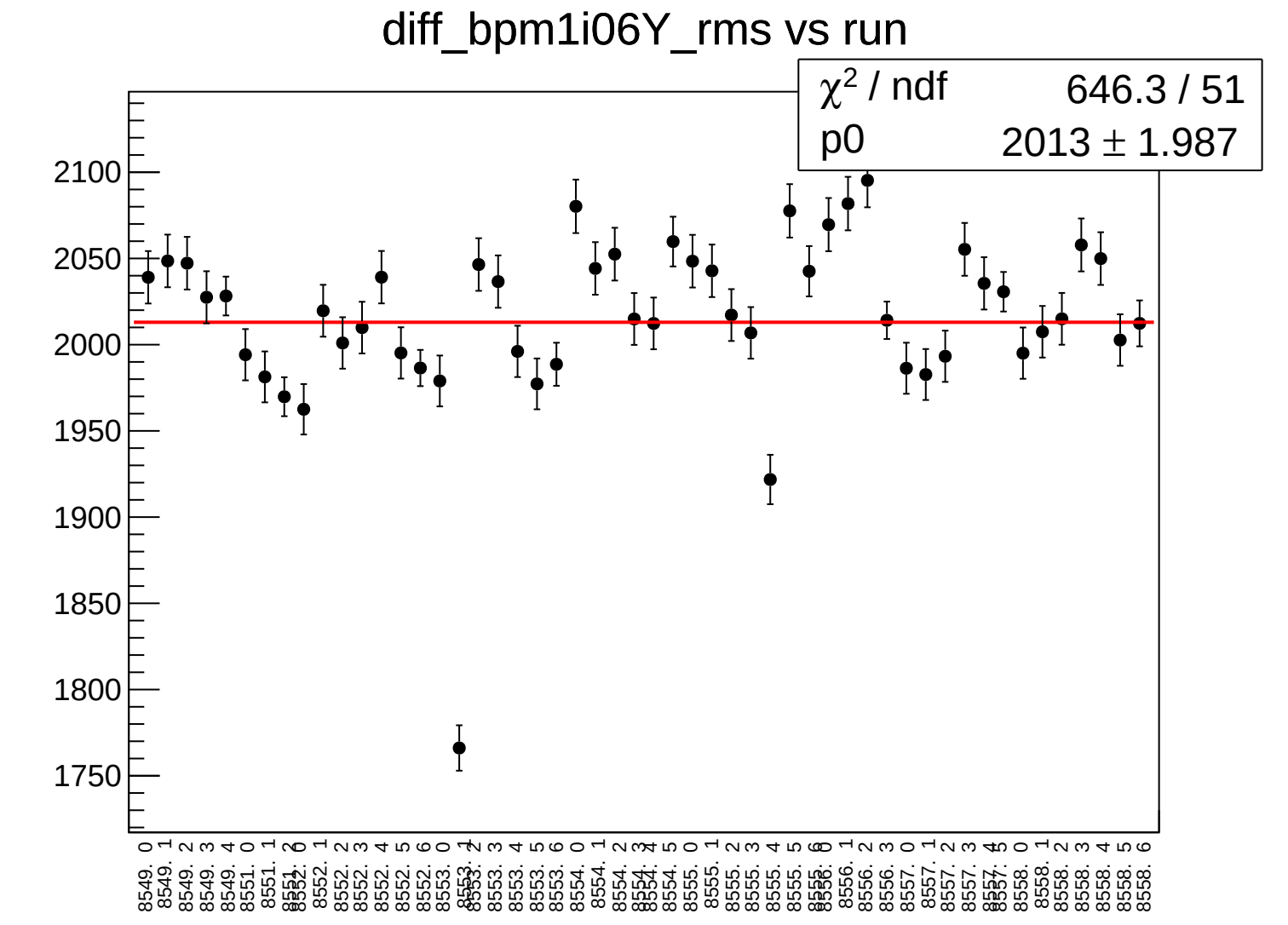
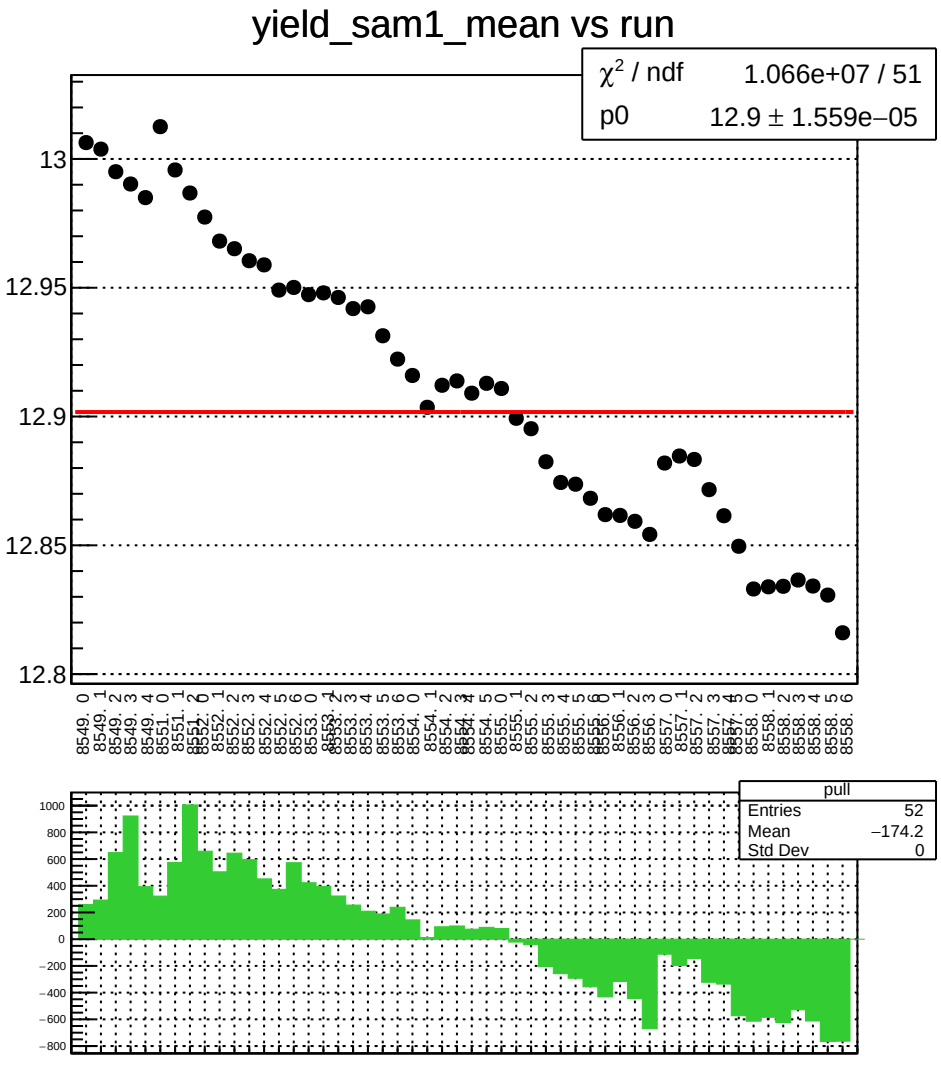
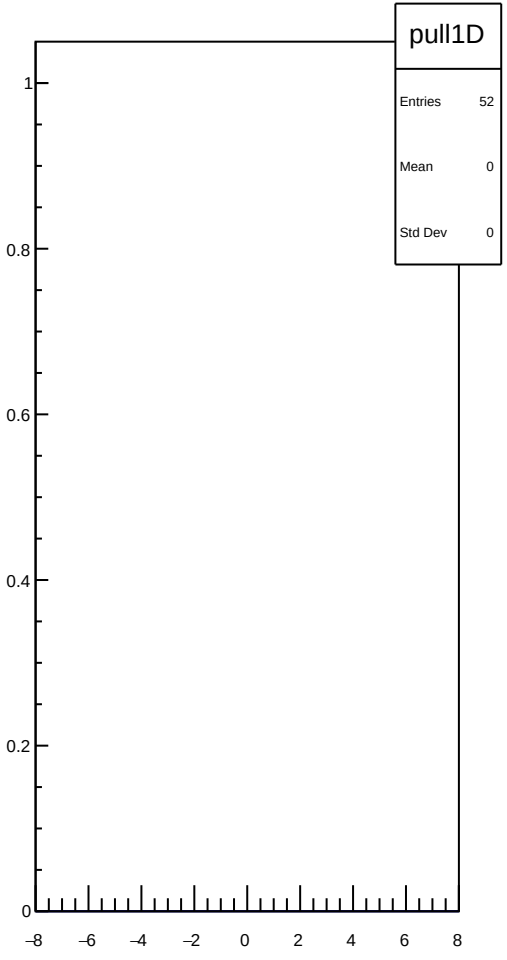
8558. 5
8558. 6

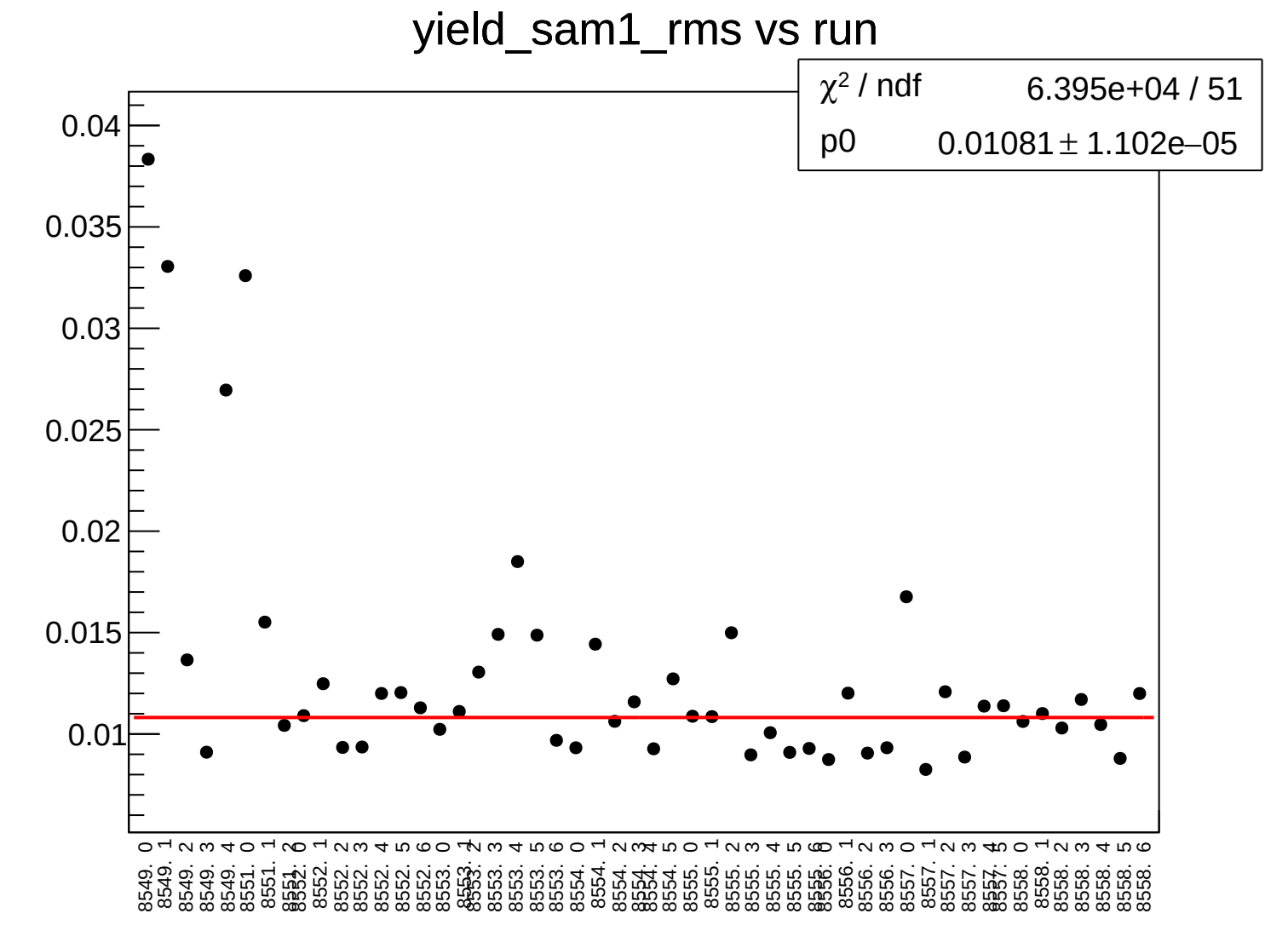

diff_bpm1i06Y_mean vs run
χ² / ndf 75.22 / 51
p0 −40.85 ± 2.81
pull
Entries 52
Mean 2240
Std Dev 0

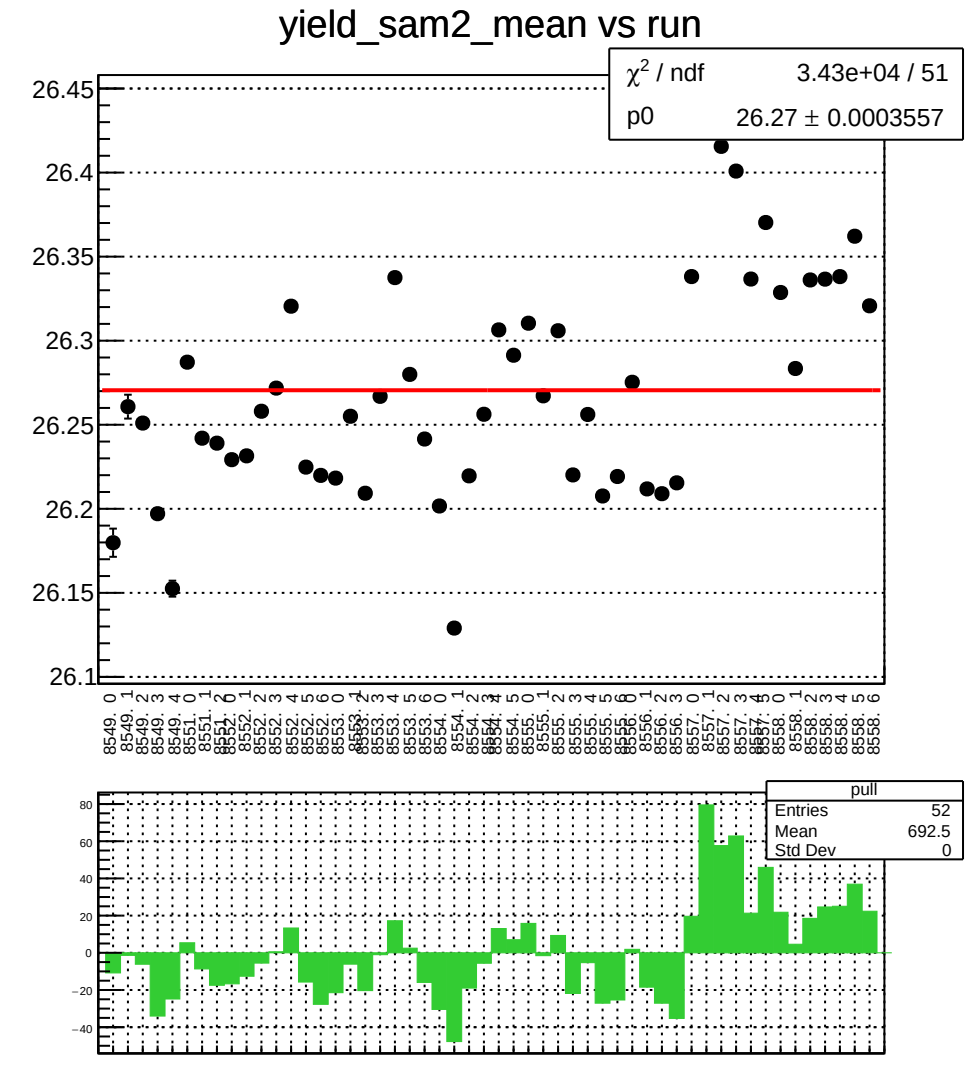

pull1D
Entries 52
Mean −0.0007906
Std Dev 1.203

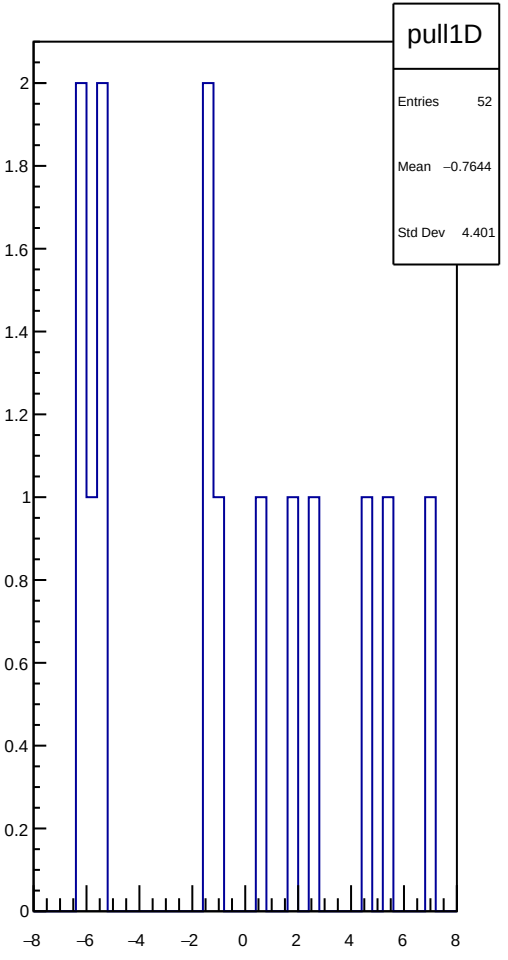

diff_bpm1i06Y_rms vs run
χ² / ndf 646.3 / 51
p0 2013 ± 1.987
2100
2050
2000
1950
1900
1850
1800
1750
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 2
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

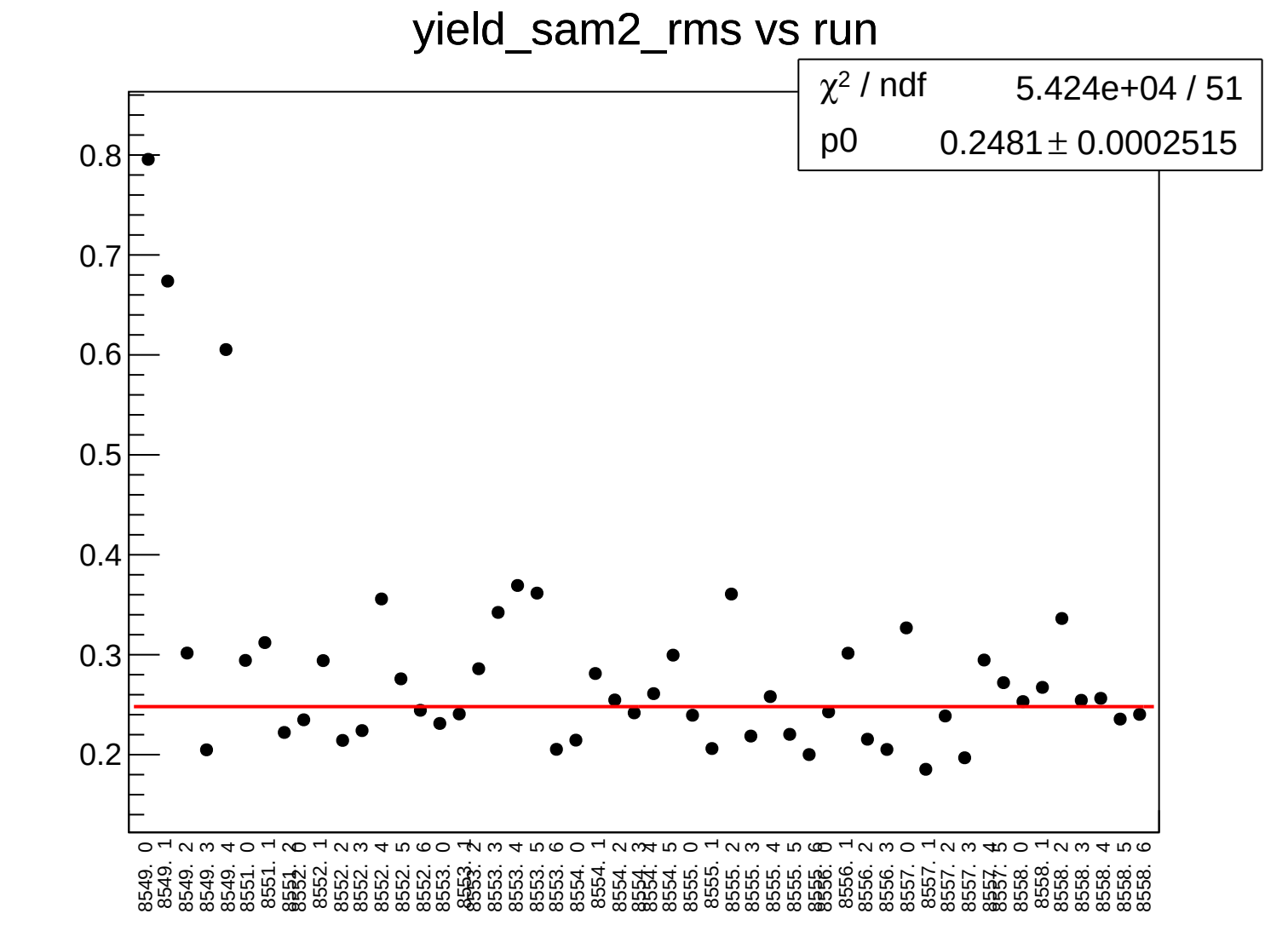

yield_sam1_mean vs run
χ² / ndf 1.066e+07 / 51
p0 12.9 ± 1.559e−05
13
12.95
12.9
12.85
12.8
pull
Entries 52
Mean −174.2
Std Dev 0
1000
800
600
400
200
0
−200
−400
−600
−800

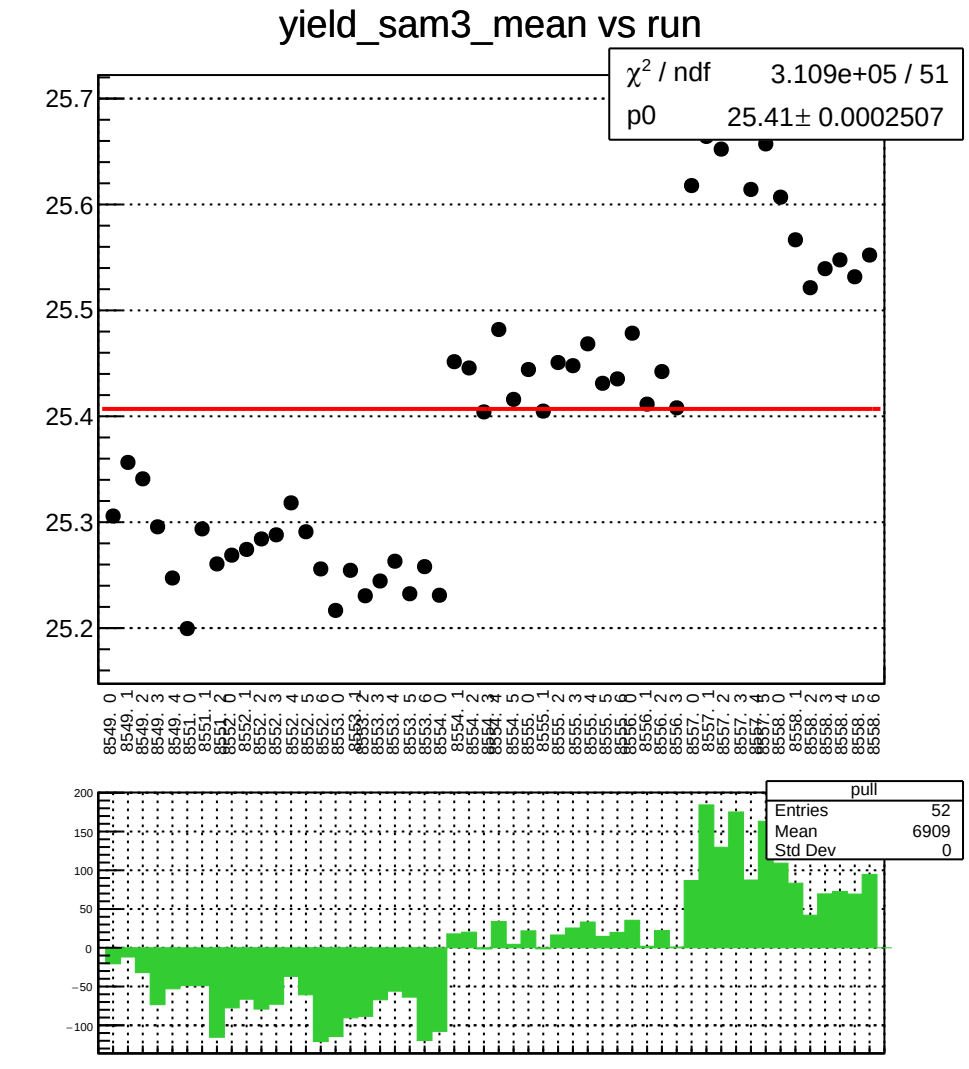

pull1D
Entries 52
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

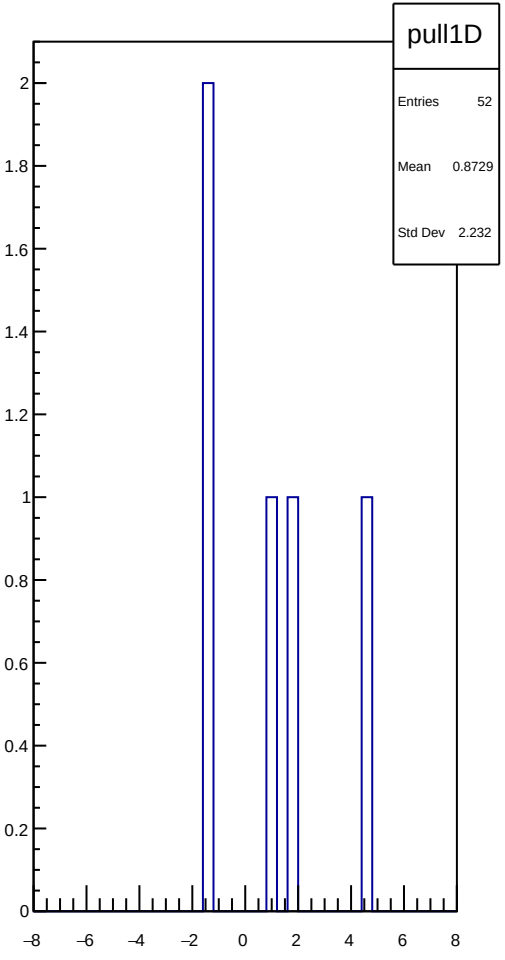

yield_sam1_rms vs run
χ² / ndf 6.395e+04 / 51
p0 0.01081 ± 1.102e−05
0.04
0.035
0.03
0.025
0.02
0.015
0.01
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 5
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

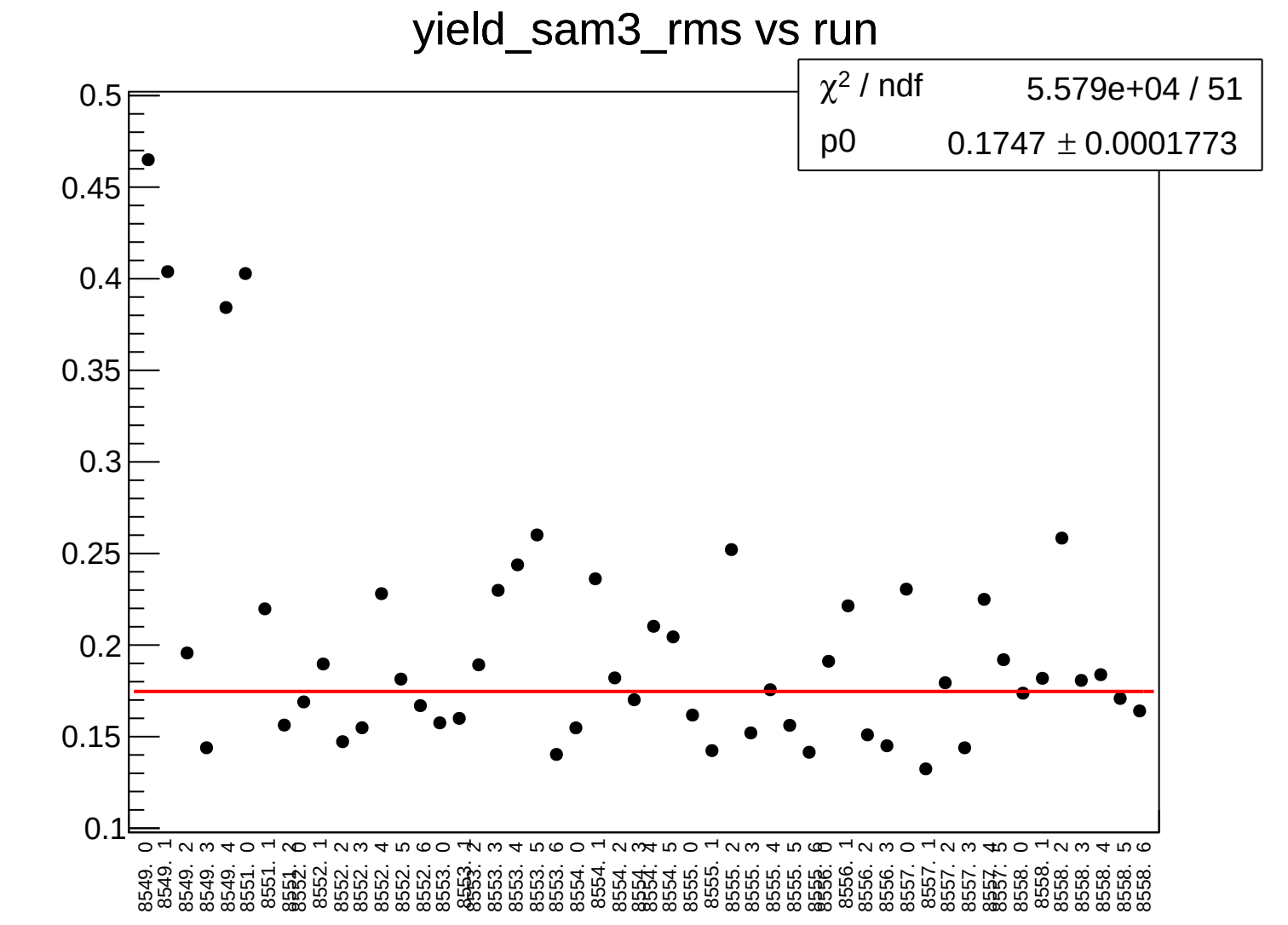

yield_sam2_mean vs run
χ² / ndf 3.43e+04 / 51
p0 26.27 ± 0.0003557
pull
Entries 52
Mean 692.5
Std Dev 0

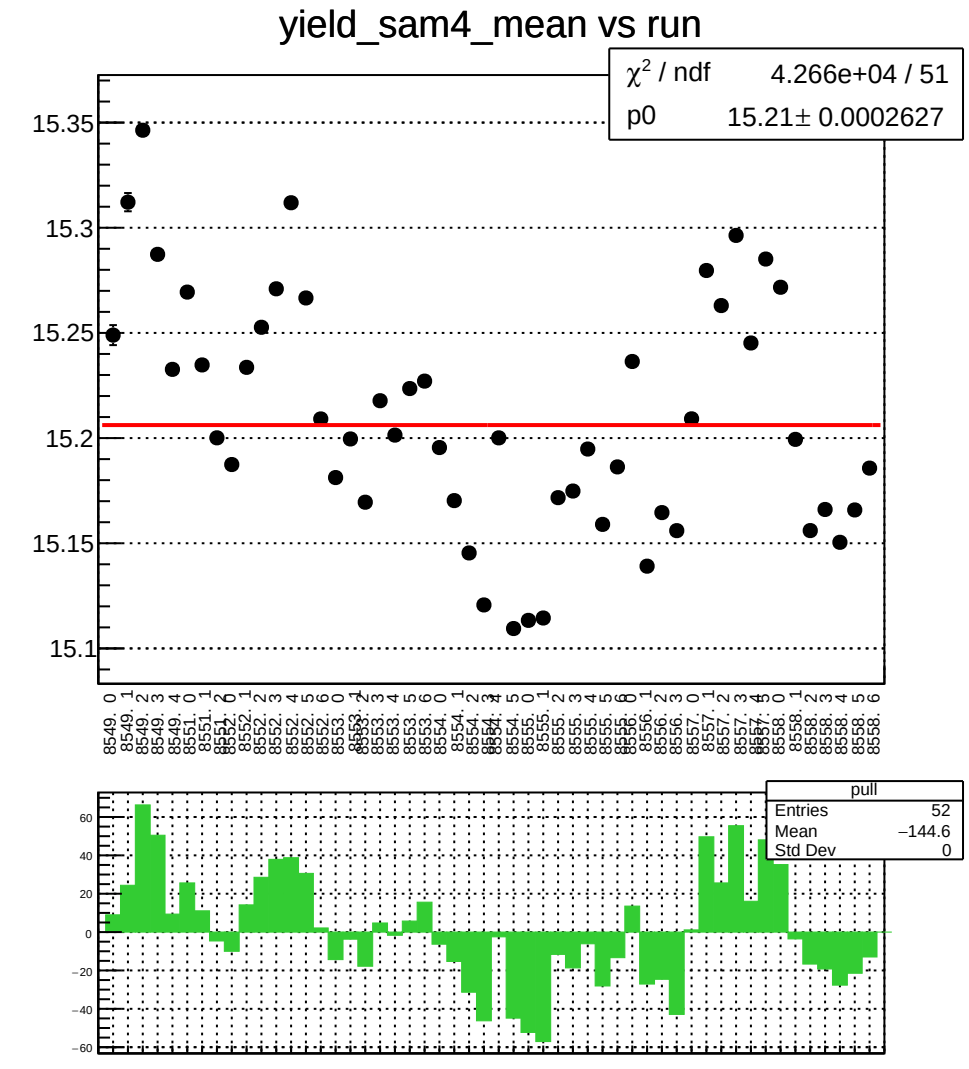

pull1D
Entries 52
Mean −0.7644
Std Dev 4.401

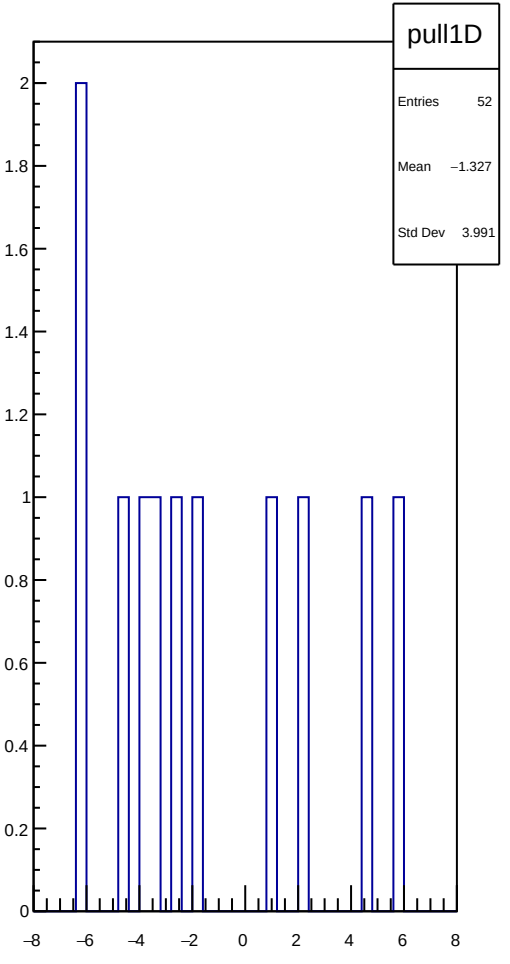

yield_sam2_rms vs run
χ² / ndf 5.424e+04 / 51
p0 0.2481 ± 0.0002515
0.8
0.7
0.6
0.5
0.4
0.3
0.2
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 5
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

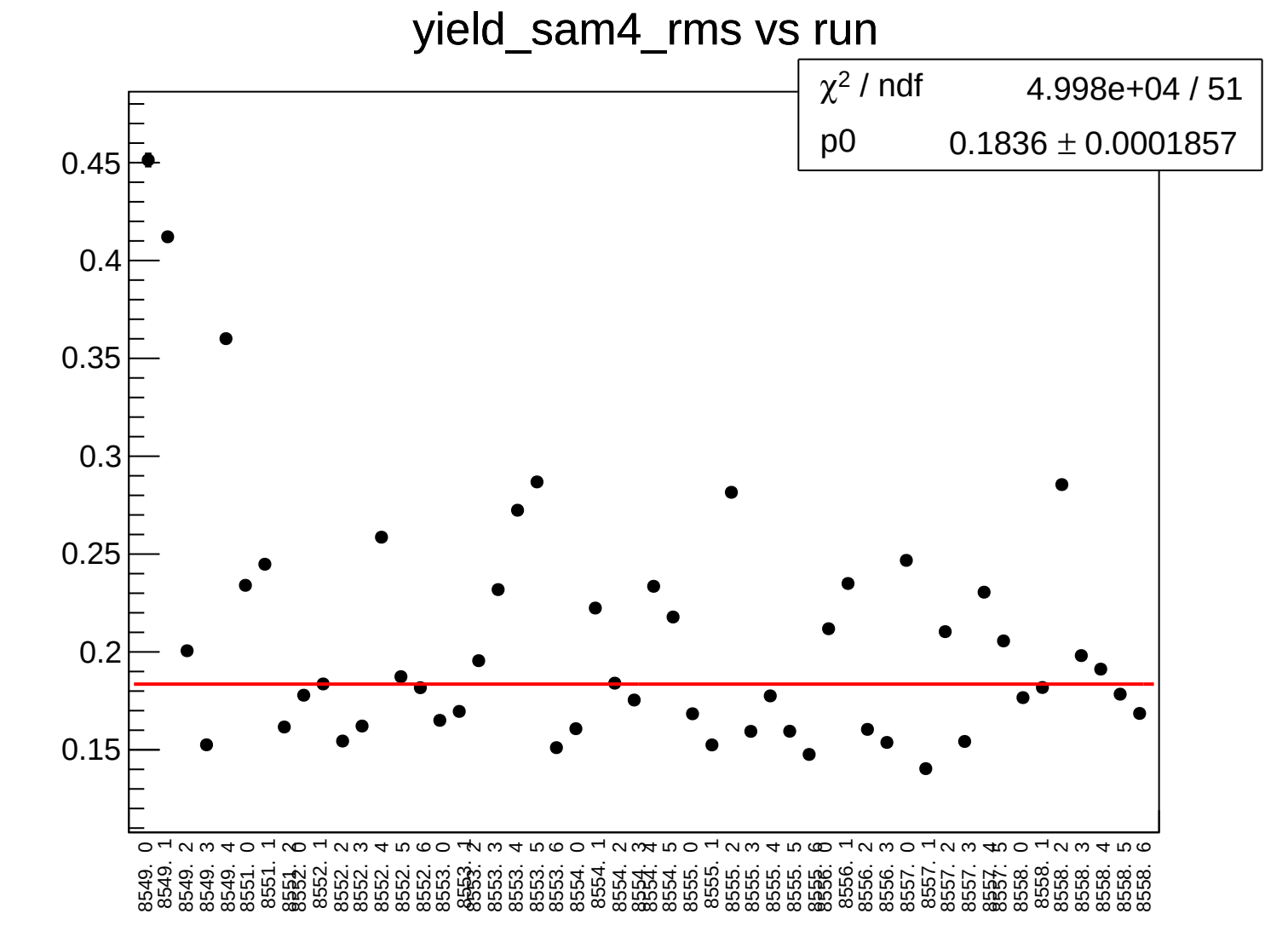

yield_sam3_mean vs run
χ² / ndf 3.109e+05 / 51
p0 25.41± 0.0002507
25.7
25.6
25.5
25.4
25.3
25.2
pull
Entries 52
Mean 6909
Std Dev 0
200
150
100
50
0
−50
−100

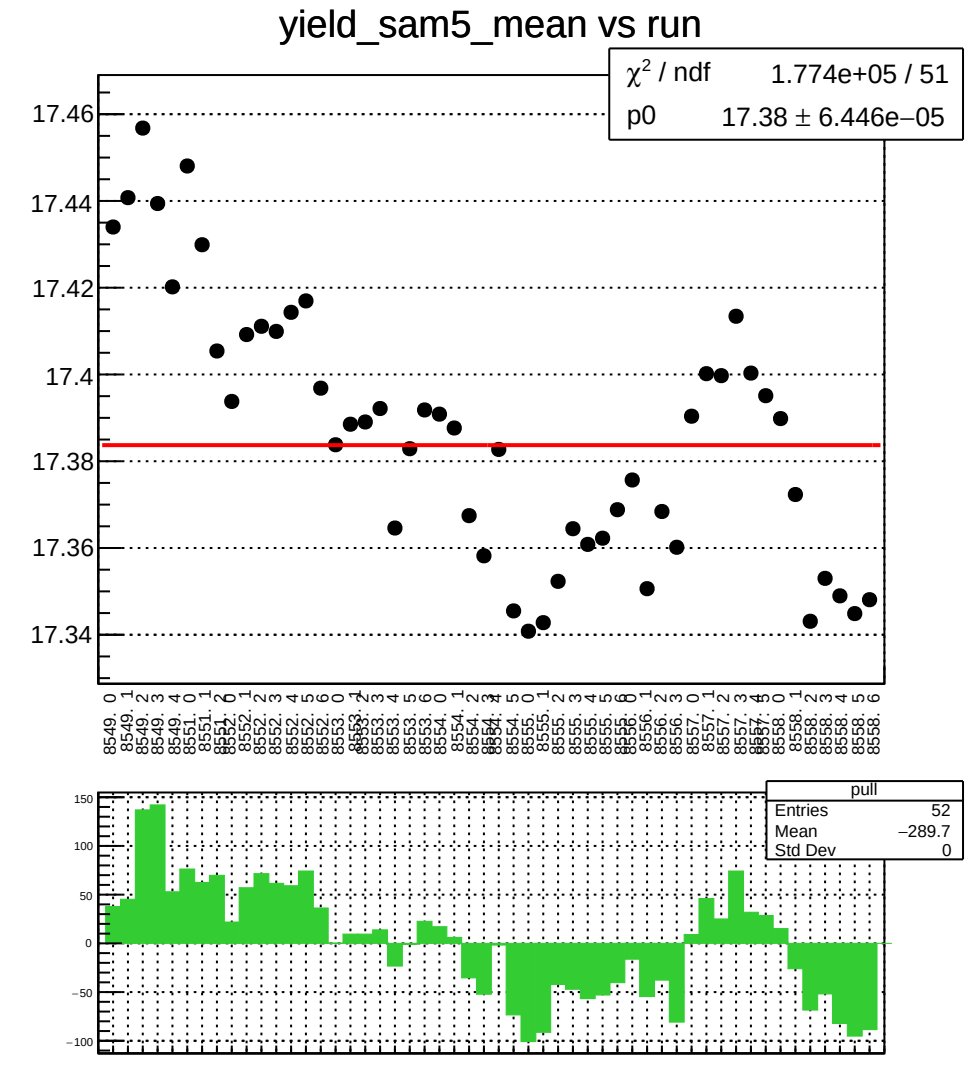

pull1D
Entries 52
Mean 0.8729
Std Dev 2.232
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

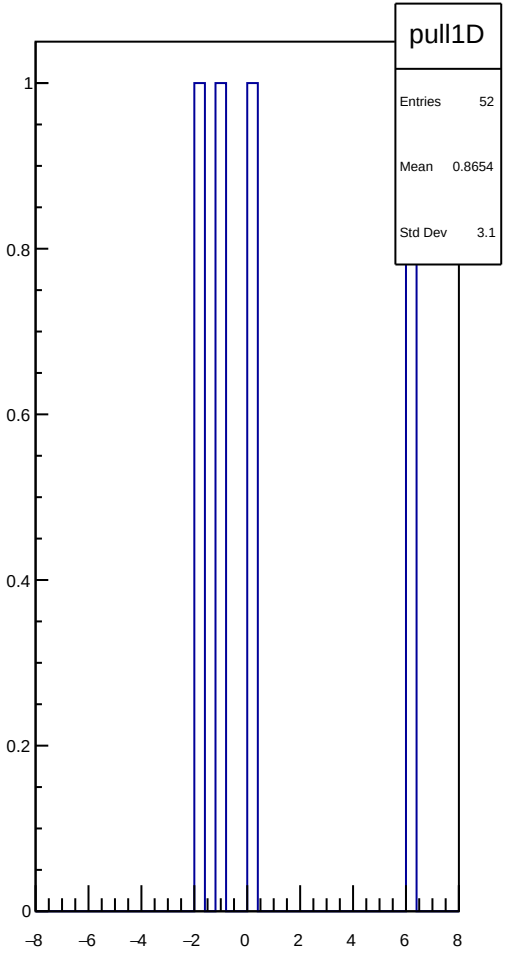

yield_sam3_rms vs run
χ² / ndf 5.579e+04 / 51
p0 0.1747 ± 0.0001773
0.5
0.45
0.4
0.35
0.3
0.25
0.2
0.15
0.1
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 5
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

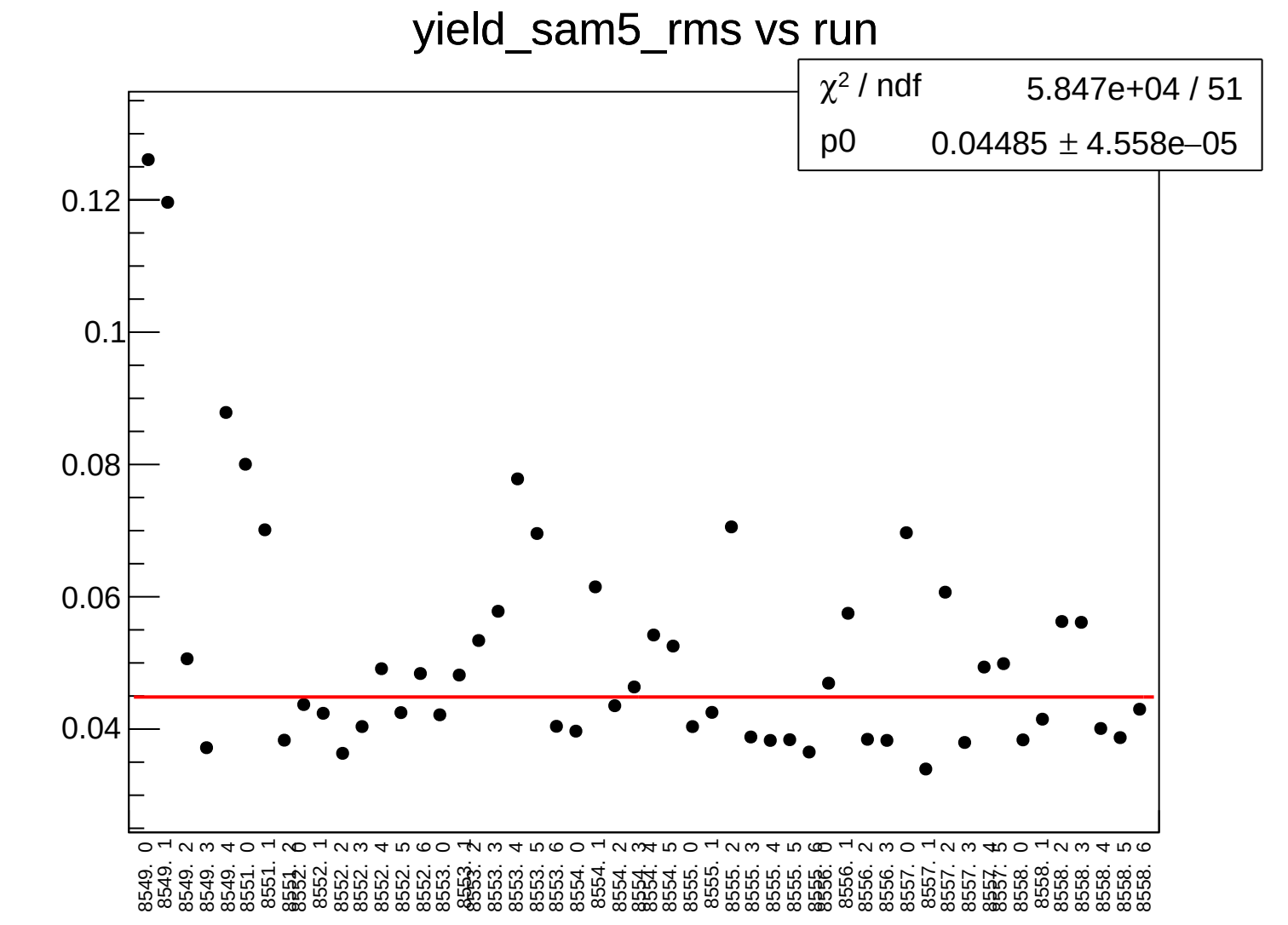

yield_sam4_mean vs run
χ² / ndf 4.266e+04 / 51
p0 15.21± 0.0002627
15.35
15.3
15.25
15.2
15.15
15.1
pull
Entries 52
Mean −144.6
Std Dev 0
60
40
20
0
−20
−40
−60

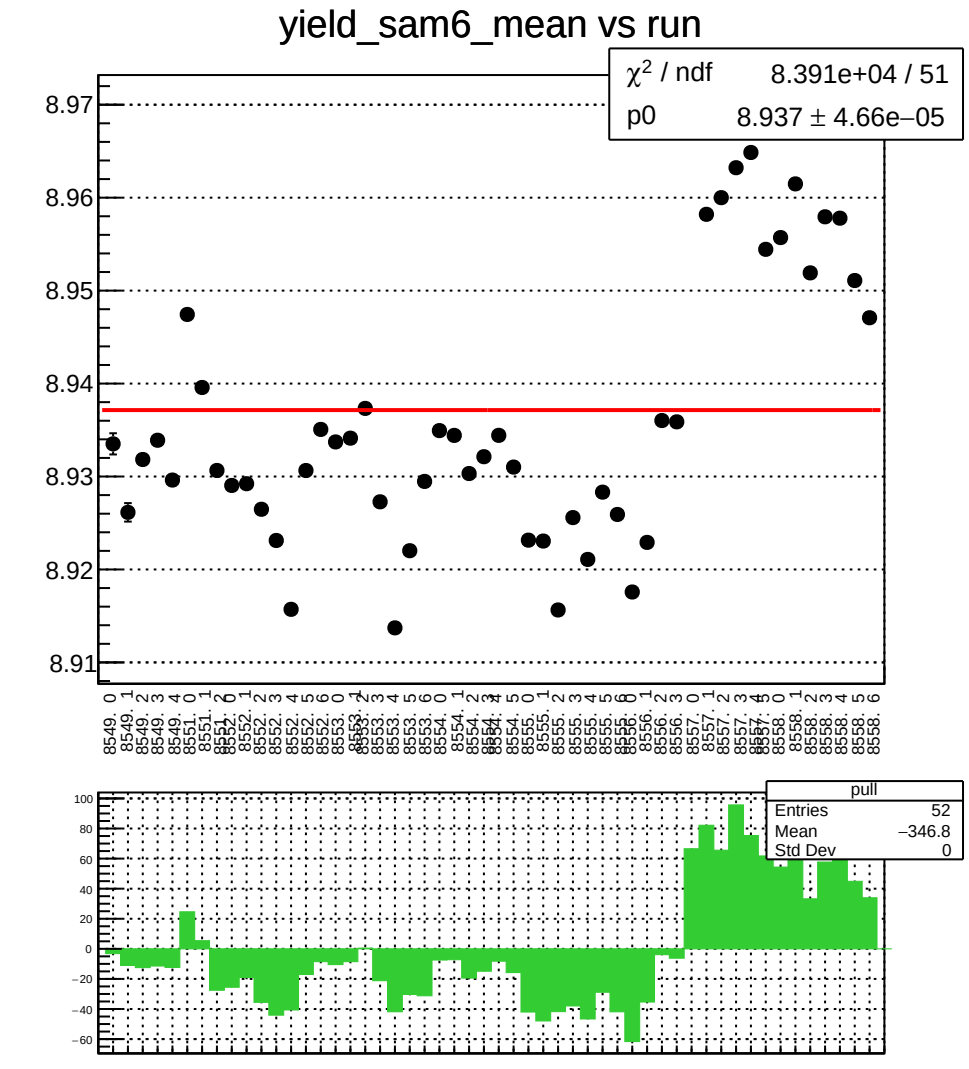

pull1D
Entries 52
Mean −1.327
Std Dev 3.991
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

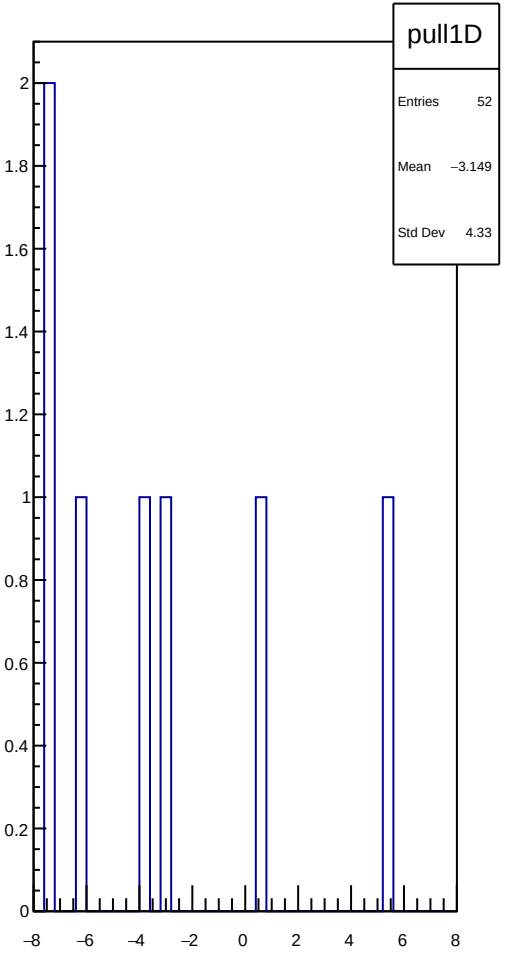

yield_sam4_rms vs run
χ² / ndf 4.998e+04 / 51
p0 0.1836 ± 0.0001857
0.45
0.4
0.35
0.3
0.25
0.2
0.15
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 5
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

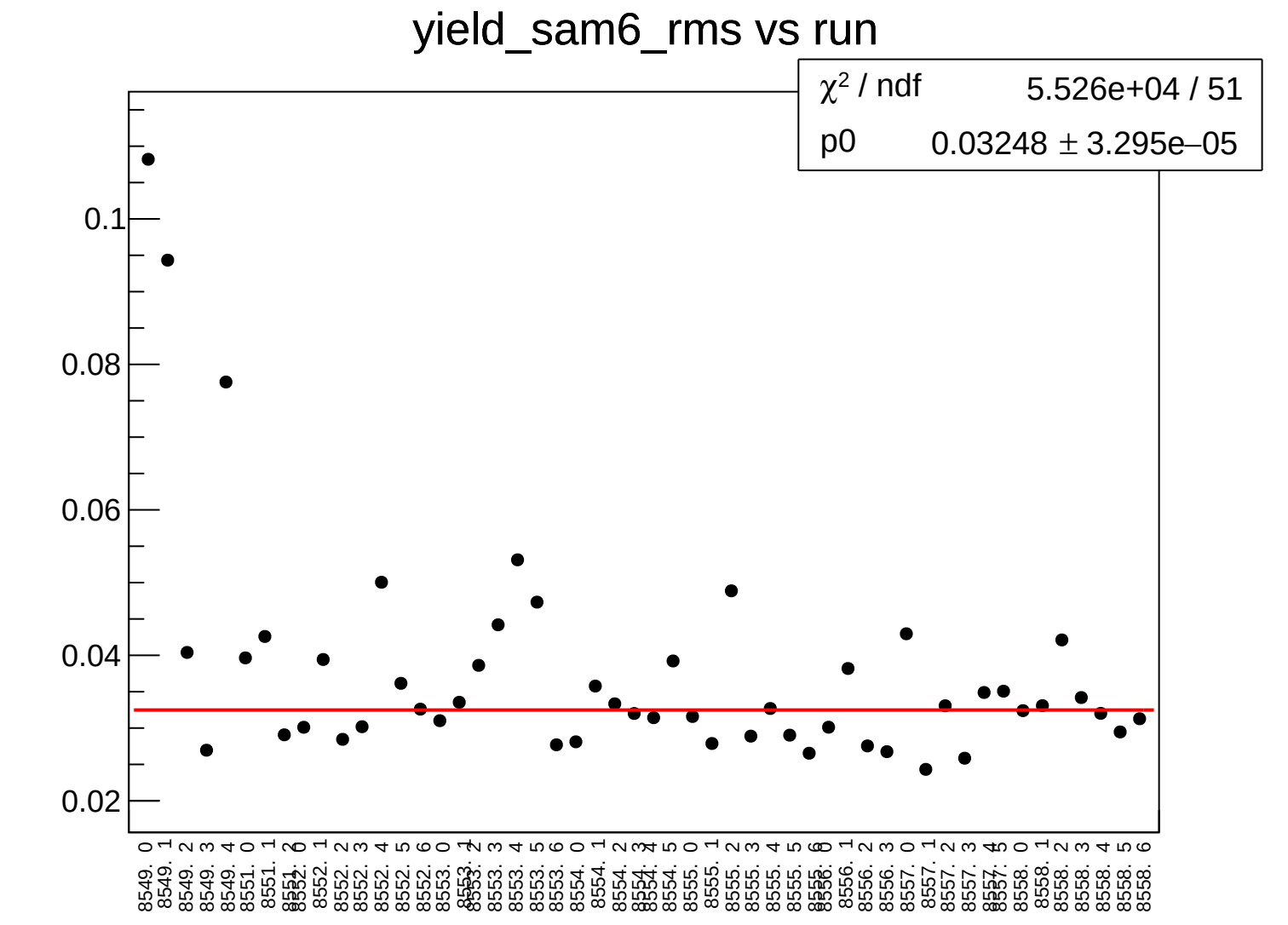

yield_sam5_mean vs run
χ² / ndf 1.774e+05 / 51
p0 17.38 ± 6.446e−05
17.46
17.44
17.42
17.4
17.38
17.36
17.34
pull
Entries 52
Mean −289.7
Std Dev 0
150
100
50
0
−50
−100

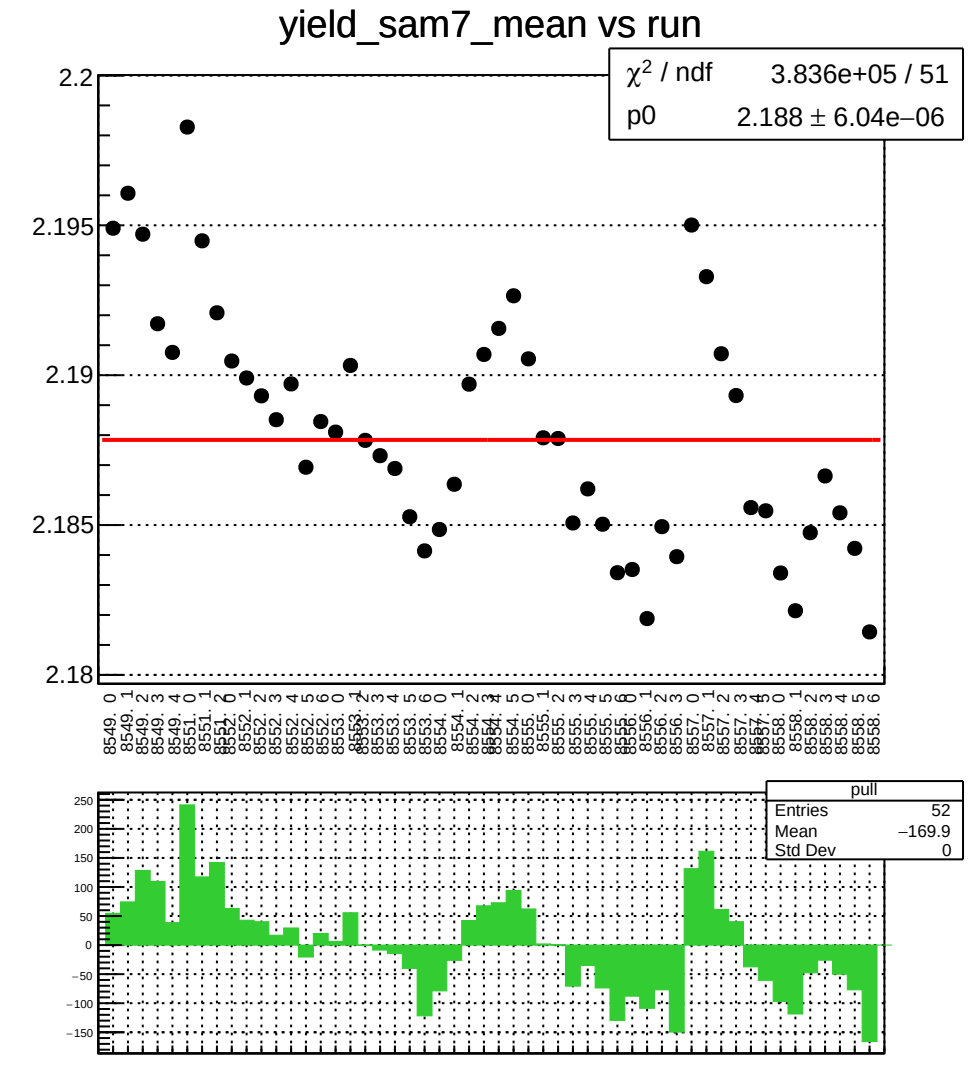

pull1D
Entries 52
Mean 0.8654
Std Dev 3.1
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

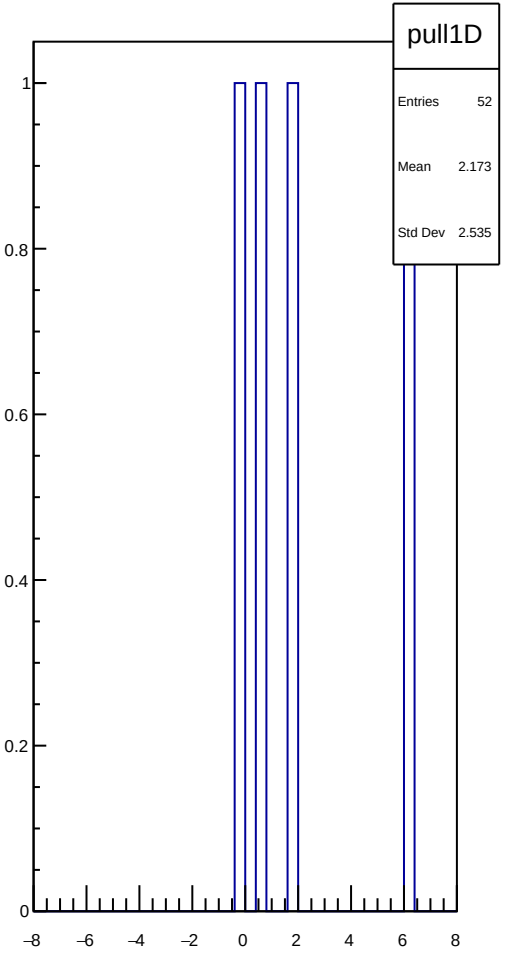

yield_sam5_rms vs run
χ² / ndf 5.847e+04 / 51
p0 0.04485 ± 4.558e–05
0.12
0.1
0.08
0.06
0.04
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 5
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

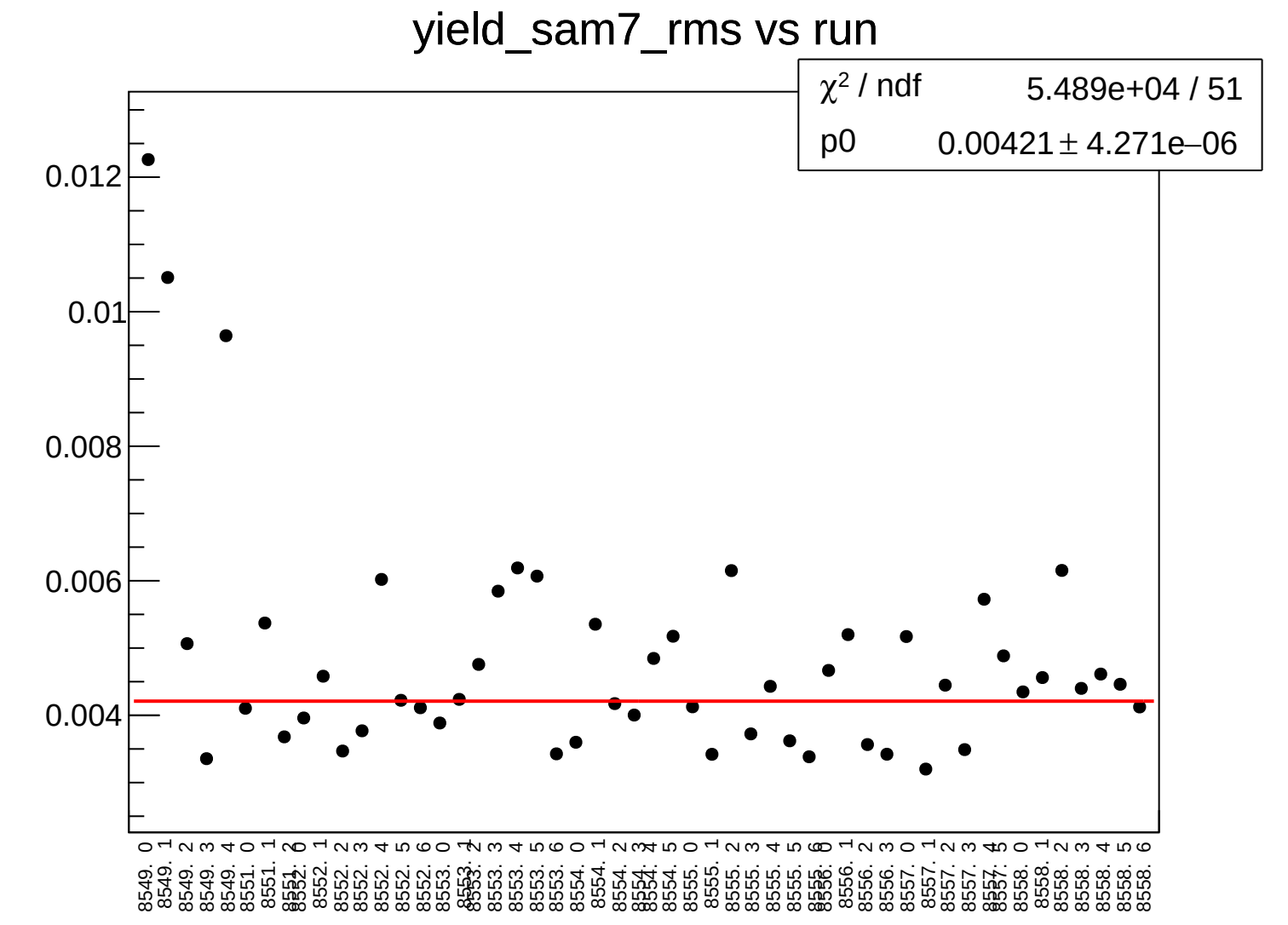

yield_sam6_mean vs run
χ² / ndf 8.391e+04 / 51
p0 8.937 ± 4.66e−05
8.97
8.96
8.95
8.94
8.93
8.92
8.91
pull
Entries 52
Mean −346.8
Std Dev 0
100
80
60
40
20
0
−20
−40
−60

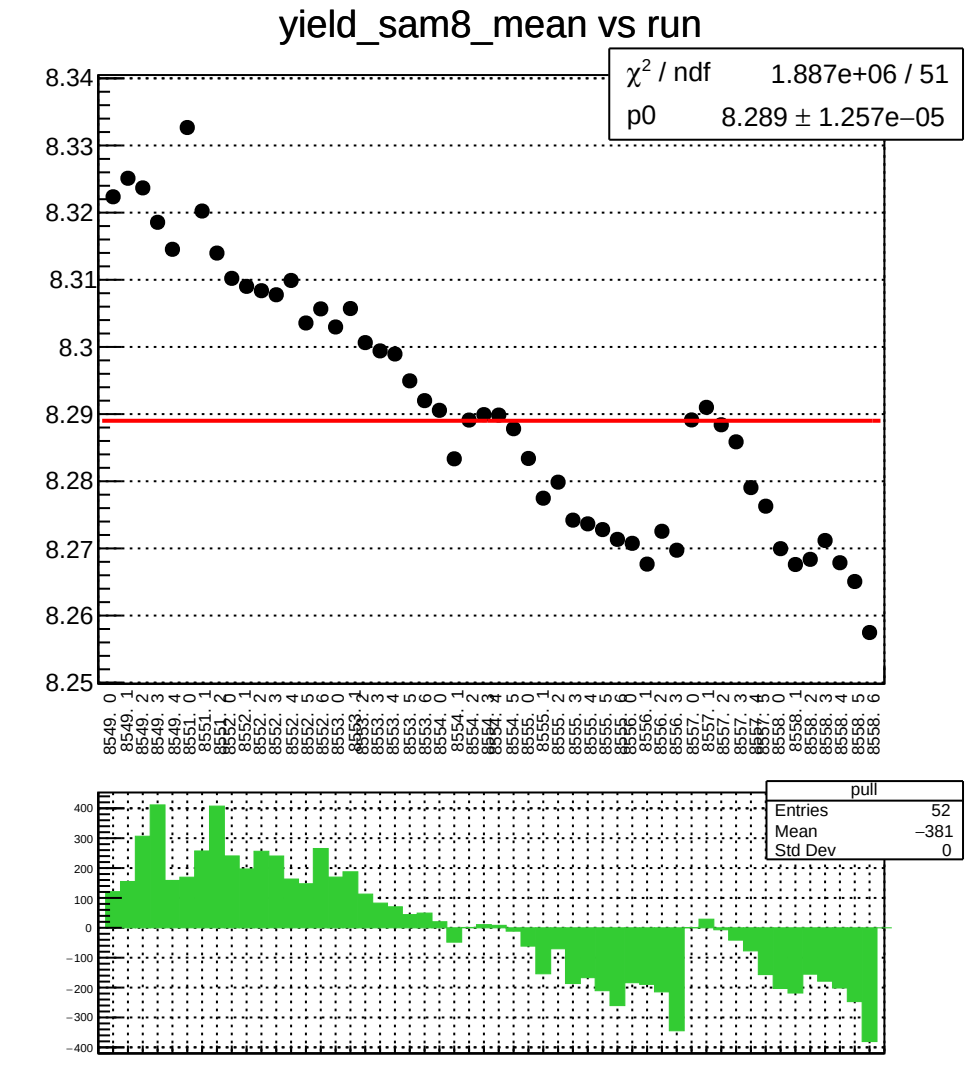

pull1D
Entries 52
Mean −3.149
Std Dev 4.33
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

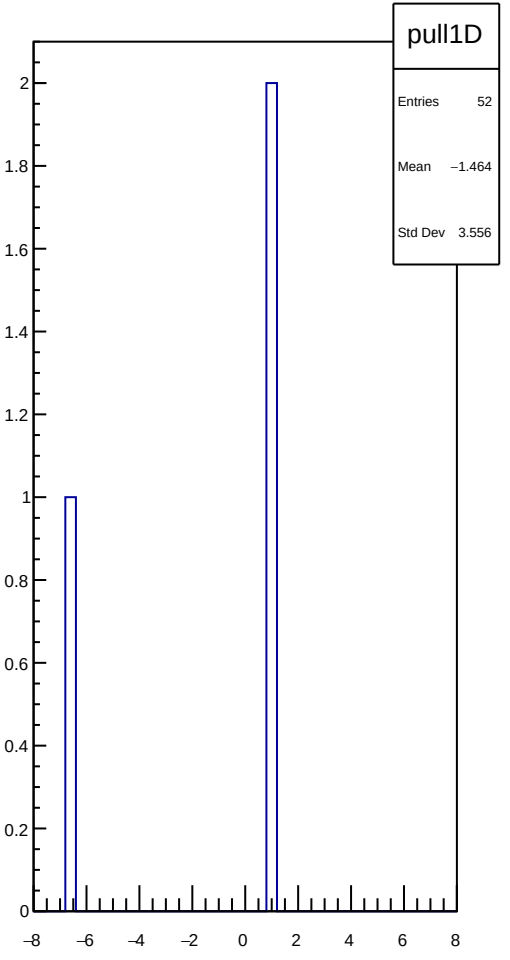

yield_sam6_rms vs run
χ² / ndf 5.526e+04 / 51
p0 0.03248 ± 3.295e−05
0.1
0.08
0.06
0.04
0.02
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 5
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

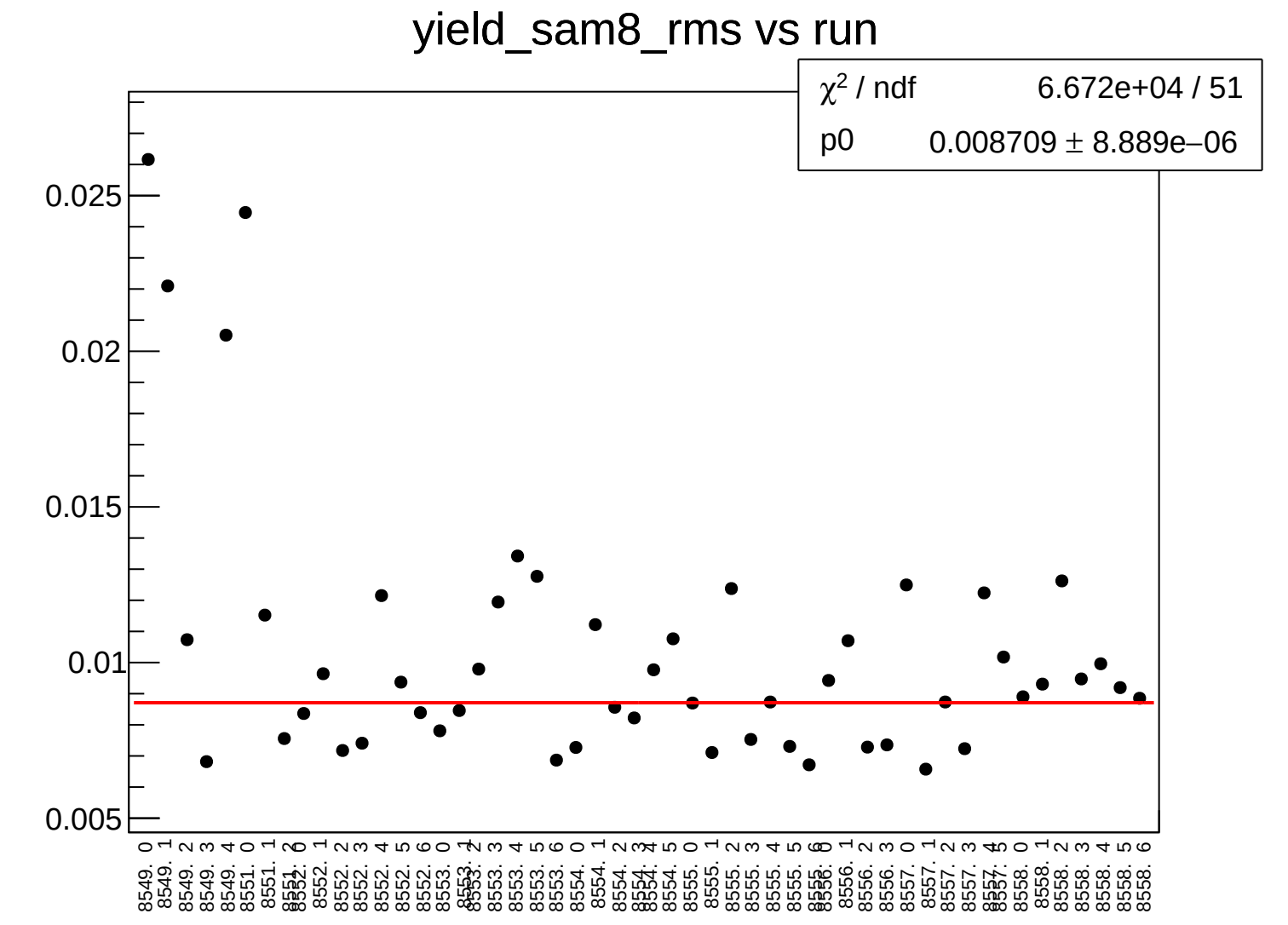

yield_sam7_mean vs run
χ² / ndf 3.836e+05 / 51
p0 2.188 ± 6.04e−06
2.2
2.195
2.19
2.185
2.18
pull
Entries 52
Mean −169.9
Std Dev 0
250
200
150
100
50
0
−50
−100
−150

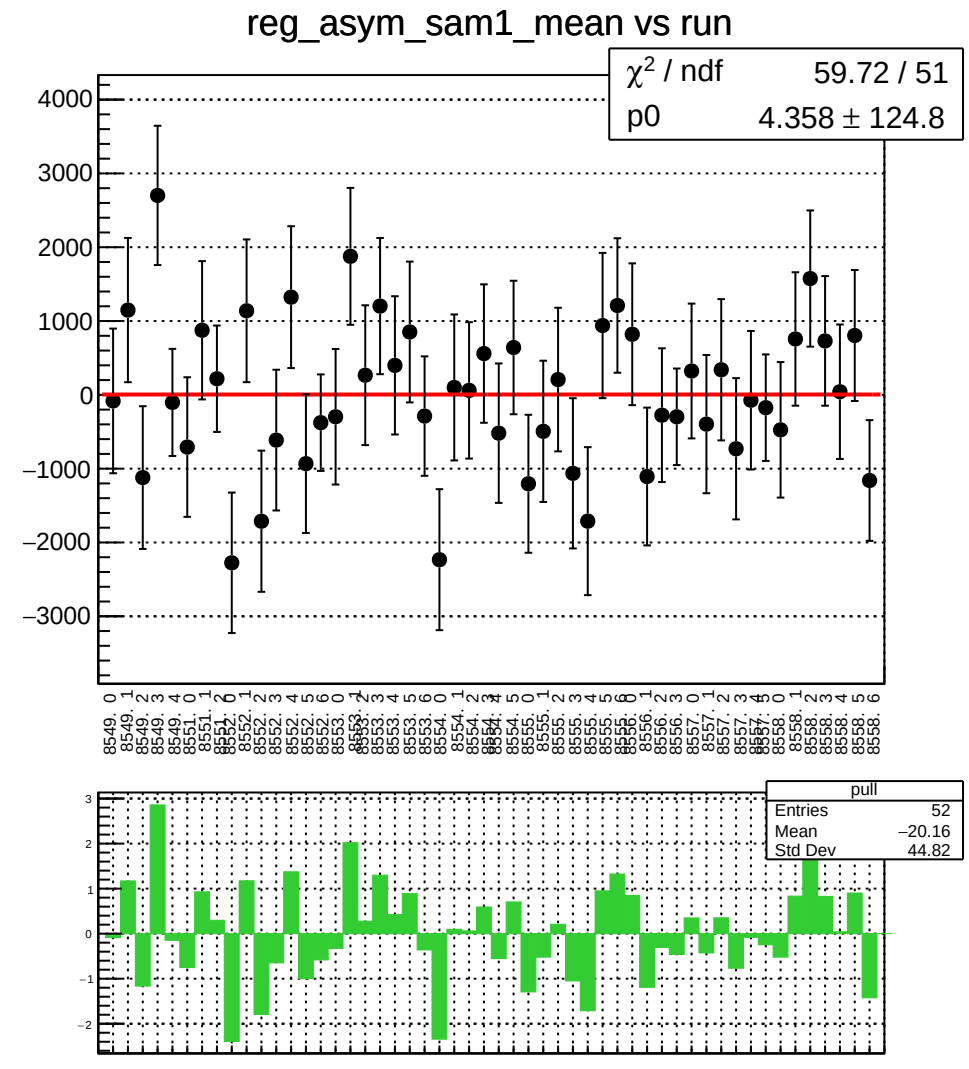

pull1D
Entries 52
Mean 2.173
Std Dev 2.535
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

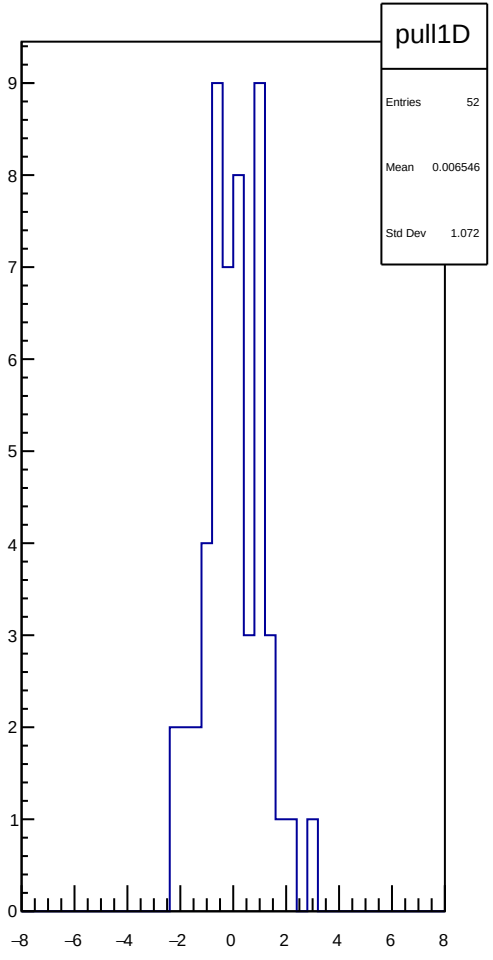

yield_sam7_rms vs run
χ² / ndf 5.489e+04 / 51
p0 0.00421 ± 4.271e–06
0.012
0.01
0.008
0.006
0.004
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 5
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

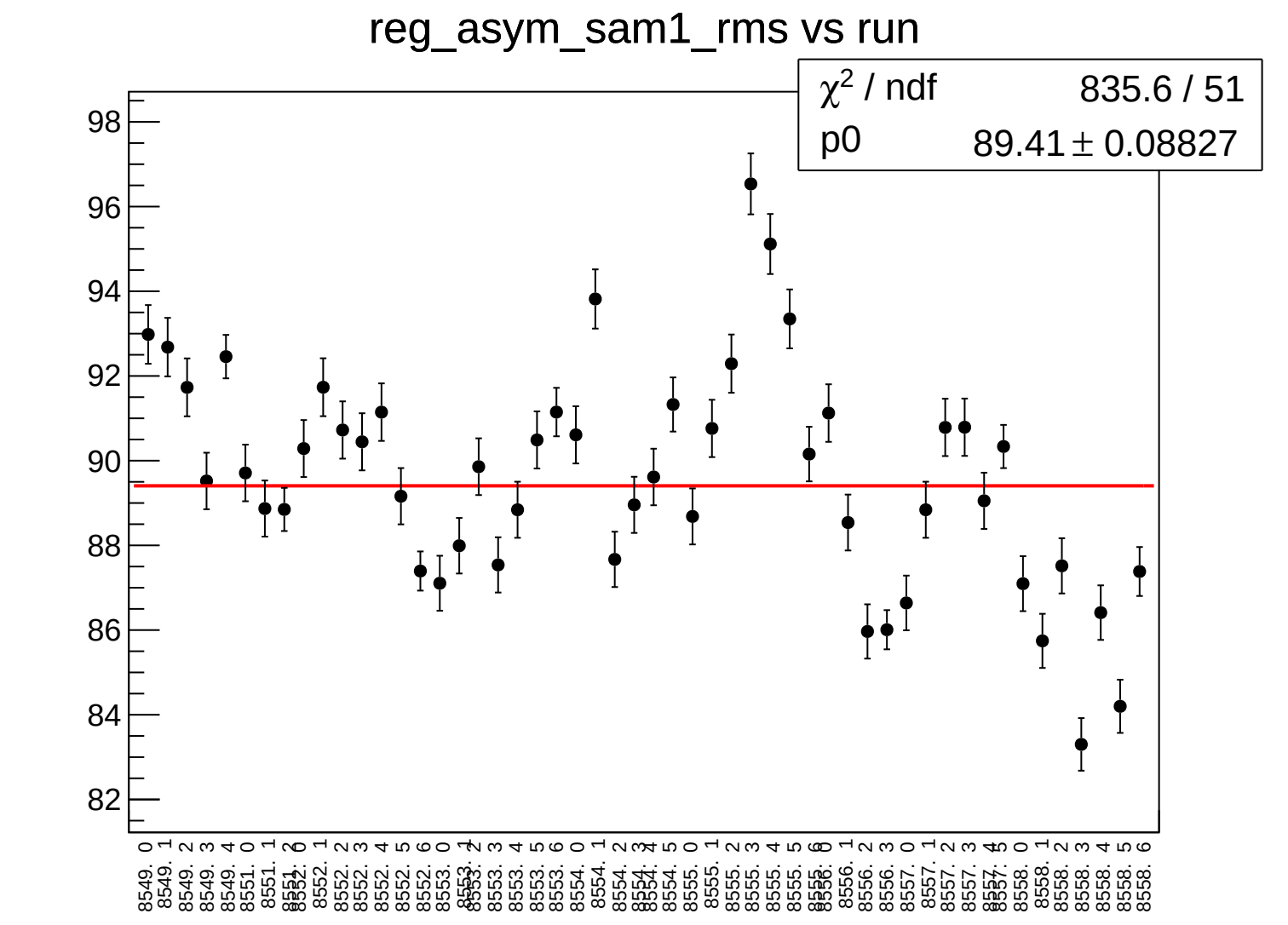

yield_sam8_mean vs run
χ² / ndf 1.887e+06 / 51
p0 8.289 ± 1.257e−05
pull
Entries 52
Mean −381
Std Dev 0

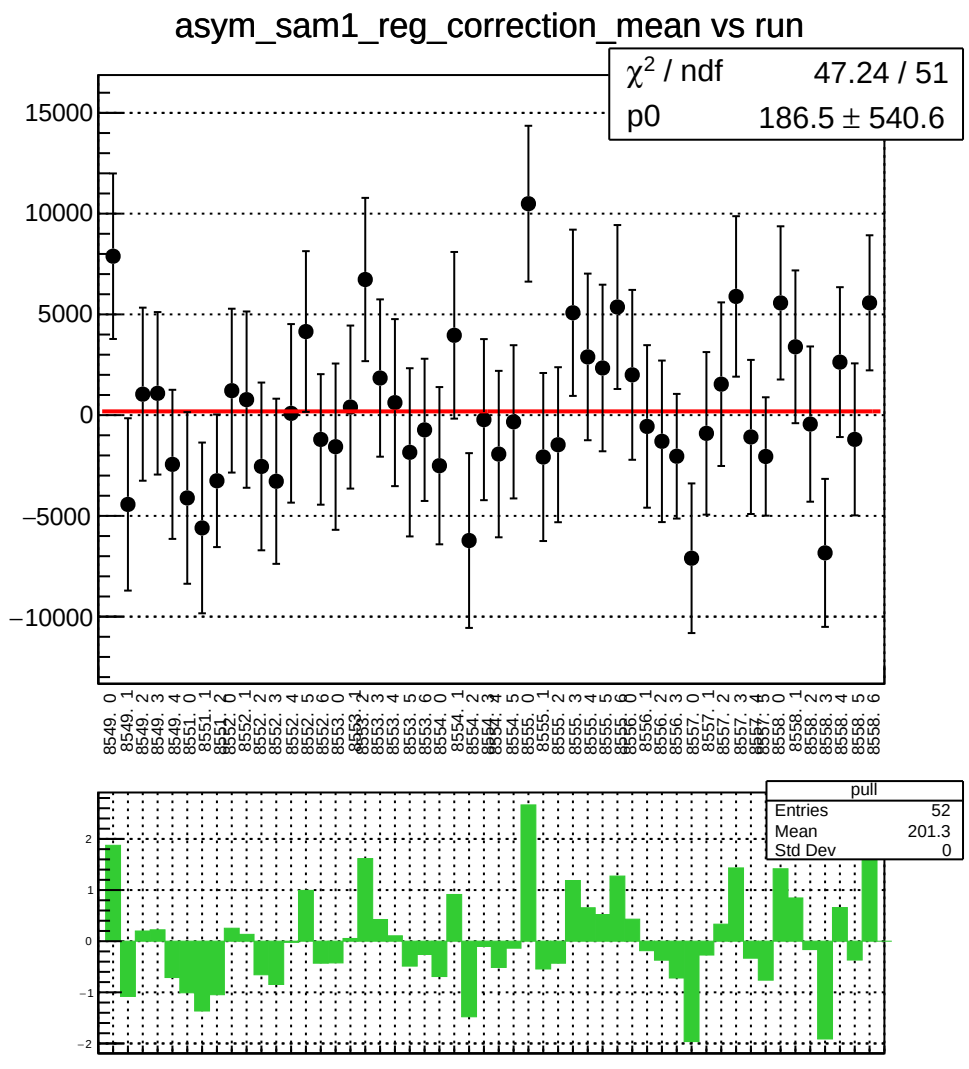

pull1D
Entries 52
Mean −1.464
Std Dev 3.556

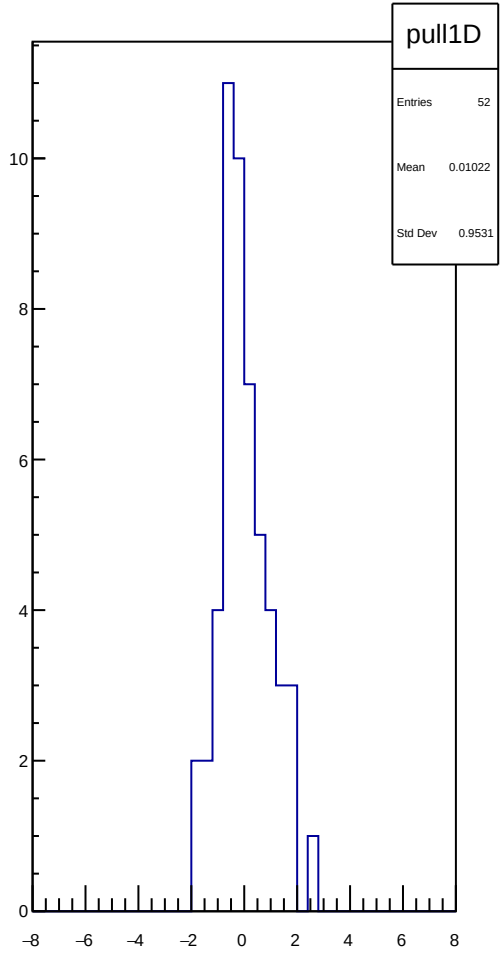

yield_sam8_rms vs run
χ² / ndf 6.672e+04 / 51
p0 0.008709 ± 8.889e−06
0.025
0.02
0.015
0.01
0.005
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 5
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

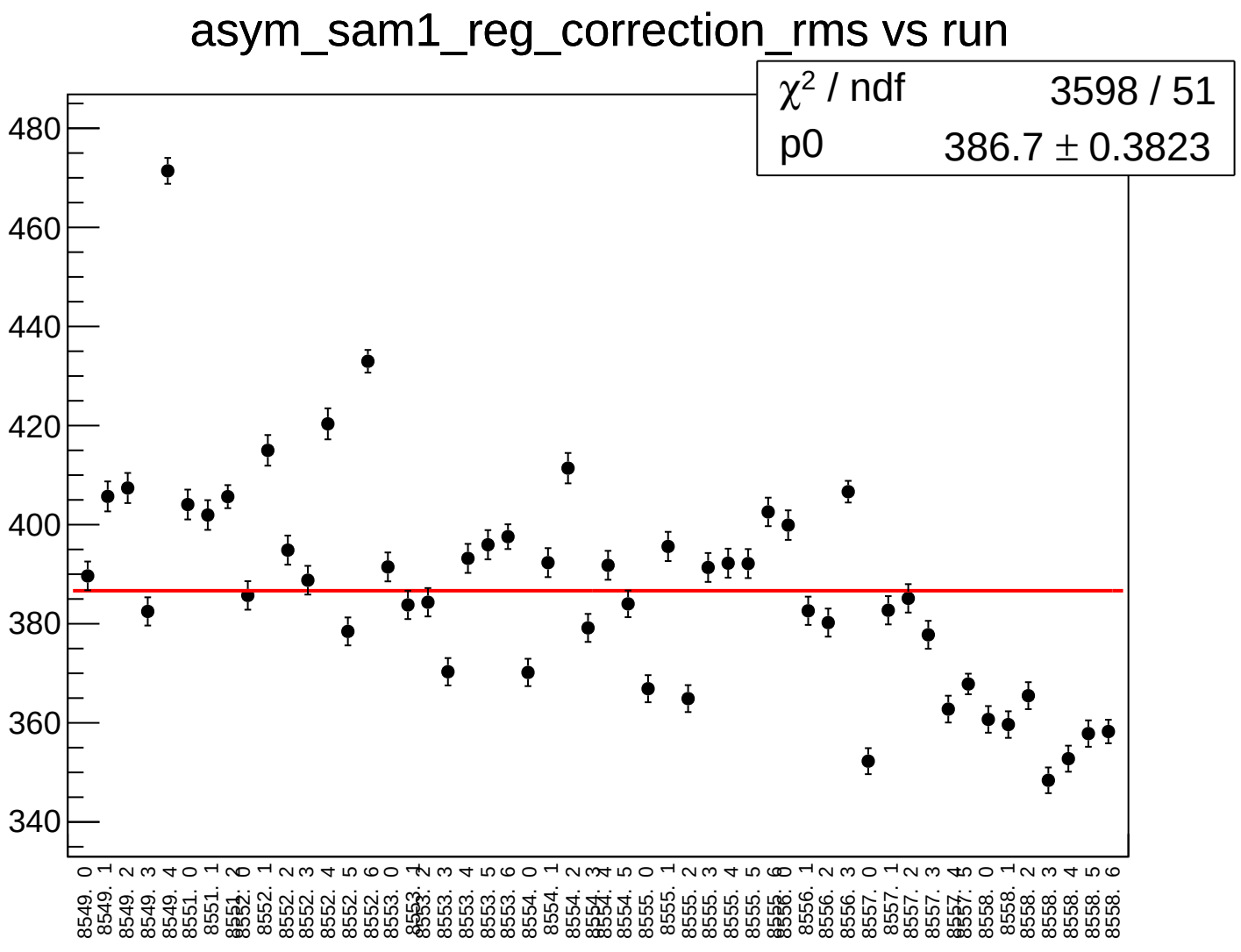

reg_asym_sam1_mean vs run
χ² / ndf 59.72 / 51
p0 4.358 ± 124.8
pull
Entries 52
Mean −20.16
Std Dev 44.82


pull1D
Entries 52
Mean 0.006546
Std Dev 1.072


reg_asym_sam1_rms vs run
χ² / ndf 835.6 / 51
p0 89.41 ± 0.08827
98
96
94
92
90
88
86
84
82
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6


asym_sam1_reg_correction_mean vs run
χ² / ndf 47.24 / 51
p0 186.5 ± 540.6
15000
10000
5000
0
−5000
−10000
pull
Entries 52
Mean 201.3
Std Dev 0
2
1
0
−1
−2


pull1D
Entries 52
Mean 0.01022
Std Dev 0.9531
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


asym_sam1_reg_correction_rms vs run
χ² / ndf 3598 / 51
p0 386.7 ± 0.3823
480
460
440
420
400
380
360
340
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
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8554. 1
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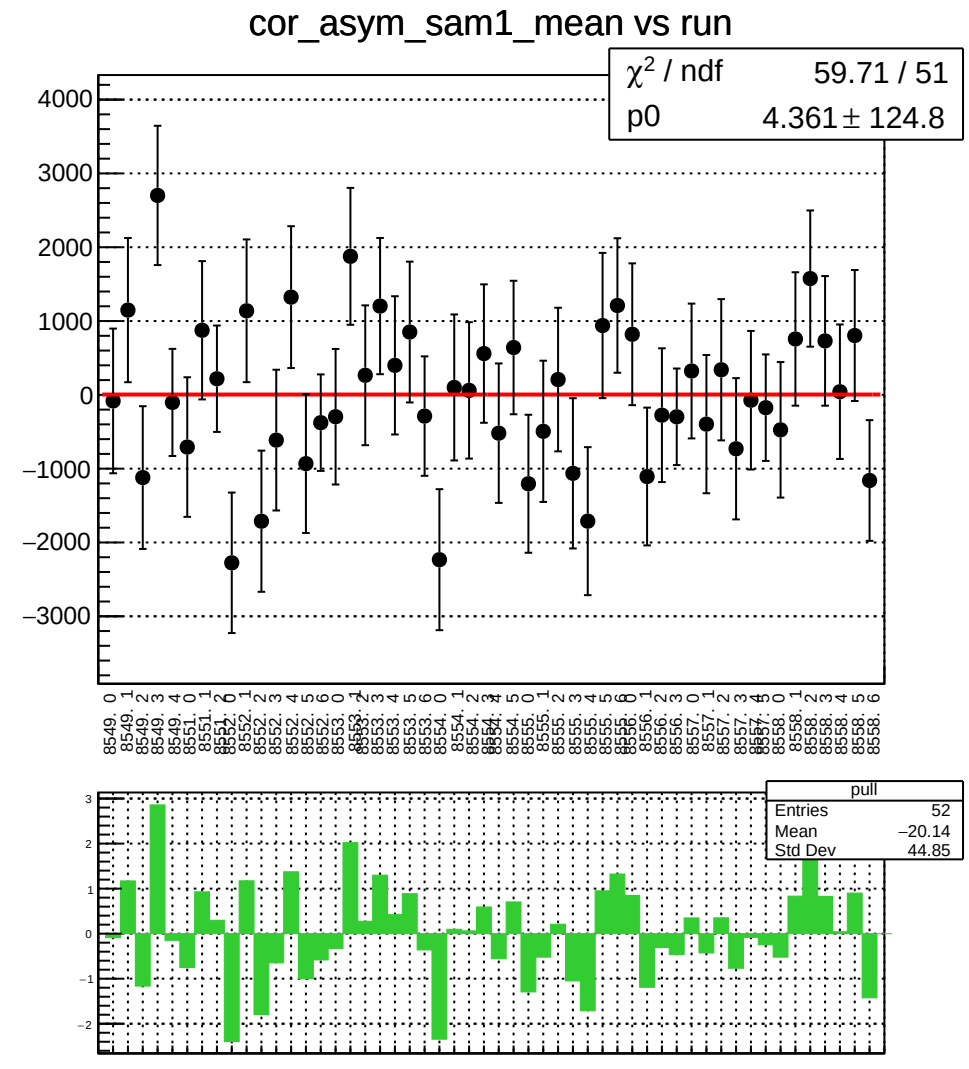
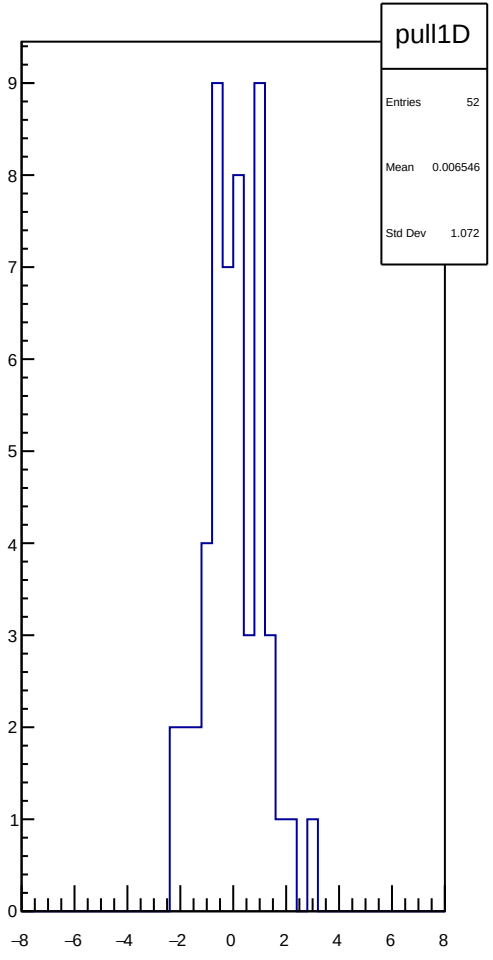
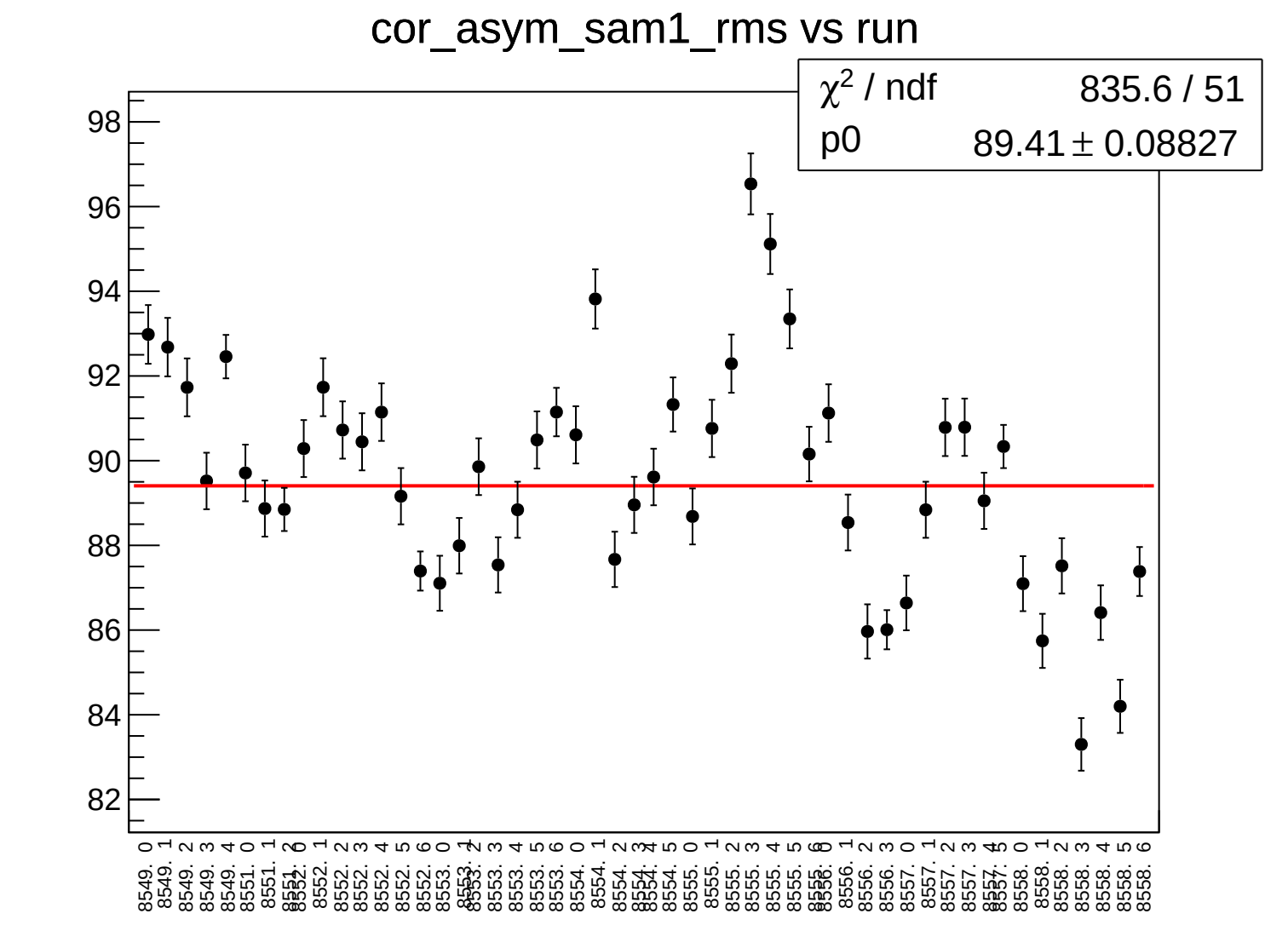

cor_asym_sam1_mean vs run
χ² / ndf 59.71 / 51
p0 4.361 ± 124.8
pull
Entries 52
Mean −20.14
Std Dev 44.85


pull1D
Entries 52
Mean 0.006546
Std Dev 1.072


cor_asym_sam1_rms vs run
χ² / ndf 835.6 / 51
p0 89.41 ± 0.08827
98
96
94
92
90
88
86
84
82
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
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8554. 1
8554. 2
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8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
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8557. 3
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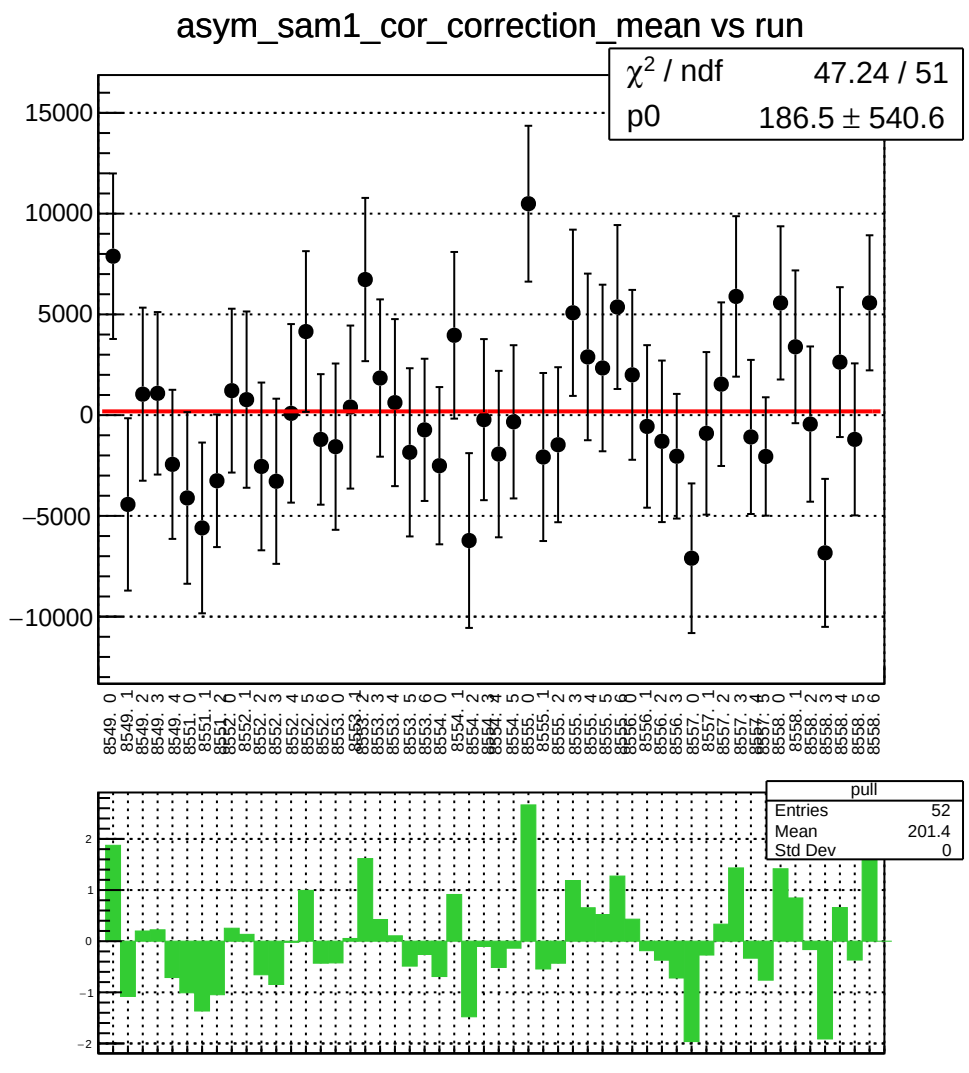
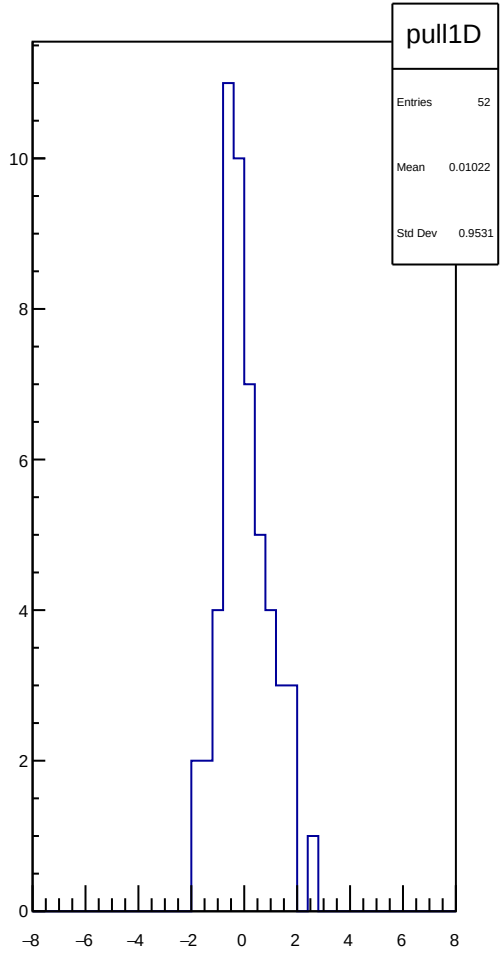
8558. 6


asym_sam1_cor_correction_mean vs run
χ² / ndf 47.24 / 51
p0 186.5 ± 540.6
15000
10000
5000
0
−5000
−10000
pull
Entries 52
Mean 201.4
Std Dev 0
2
1
0
−1
−2


pull1D
Entries 52
Mean 0.01022
Std Dev 0.9531
10
8
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−4
−2
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2
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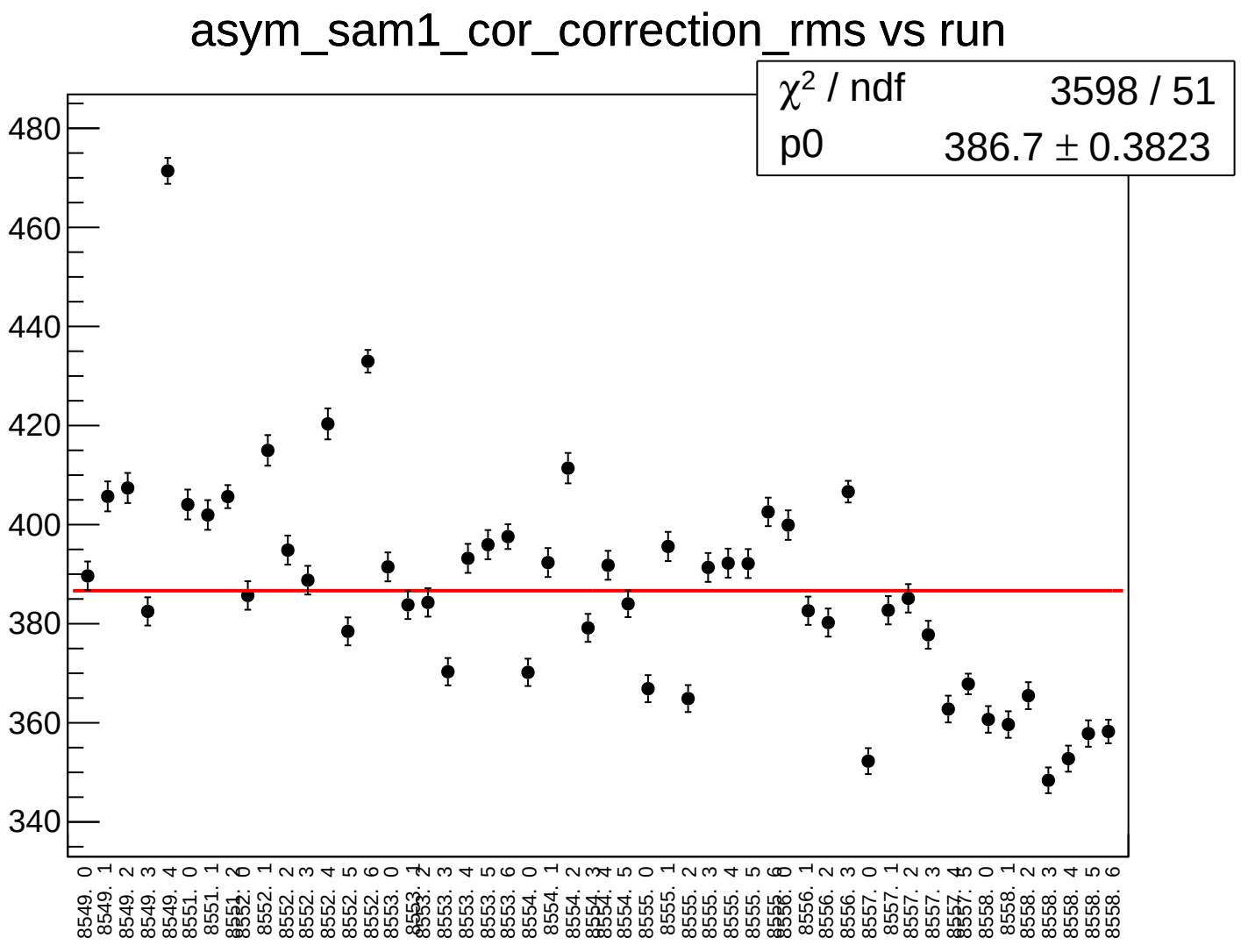
asym_sam1_cor_correction_rms vs run
χ² / ndf 3598 / 51
p0 386.7 ± 0.3823
480
460
440
420
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340
8549. 0
8549. 1
8549. 2
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8549. 4
8551. 0
8551. 1
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8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
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8555. 0
8555. 1
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8555. 5
8556. 1
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8557. 0
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8558. 0
8558. 1
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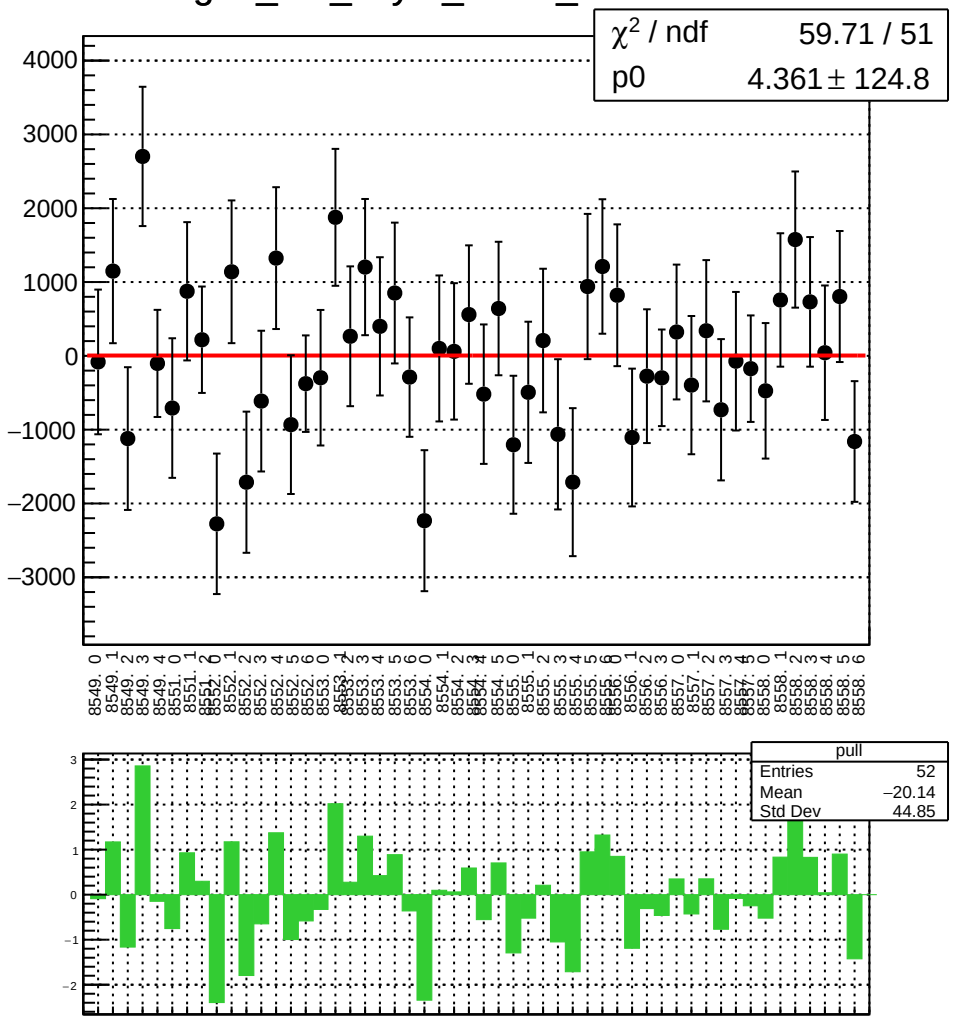
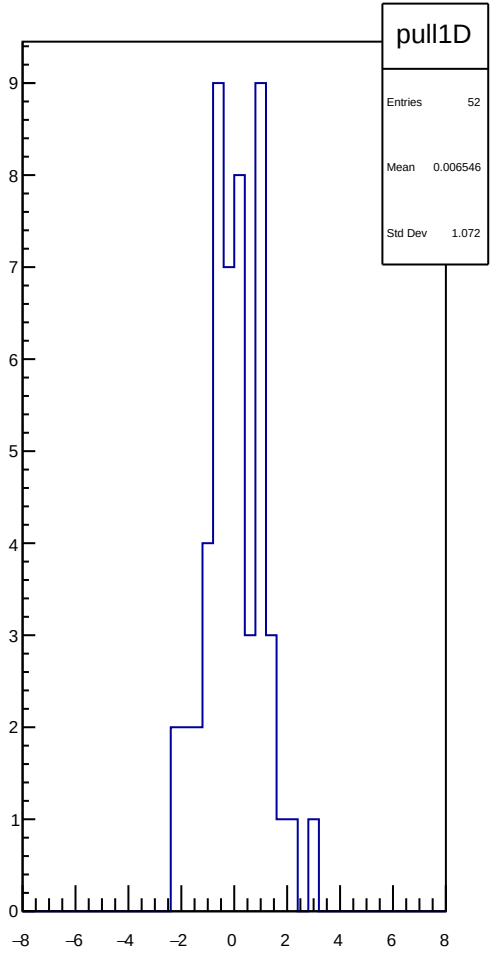
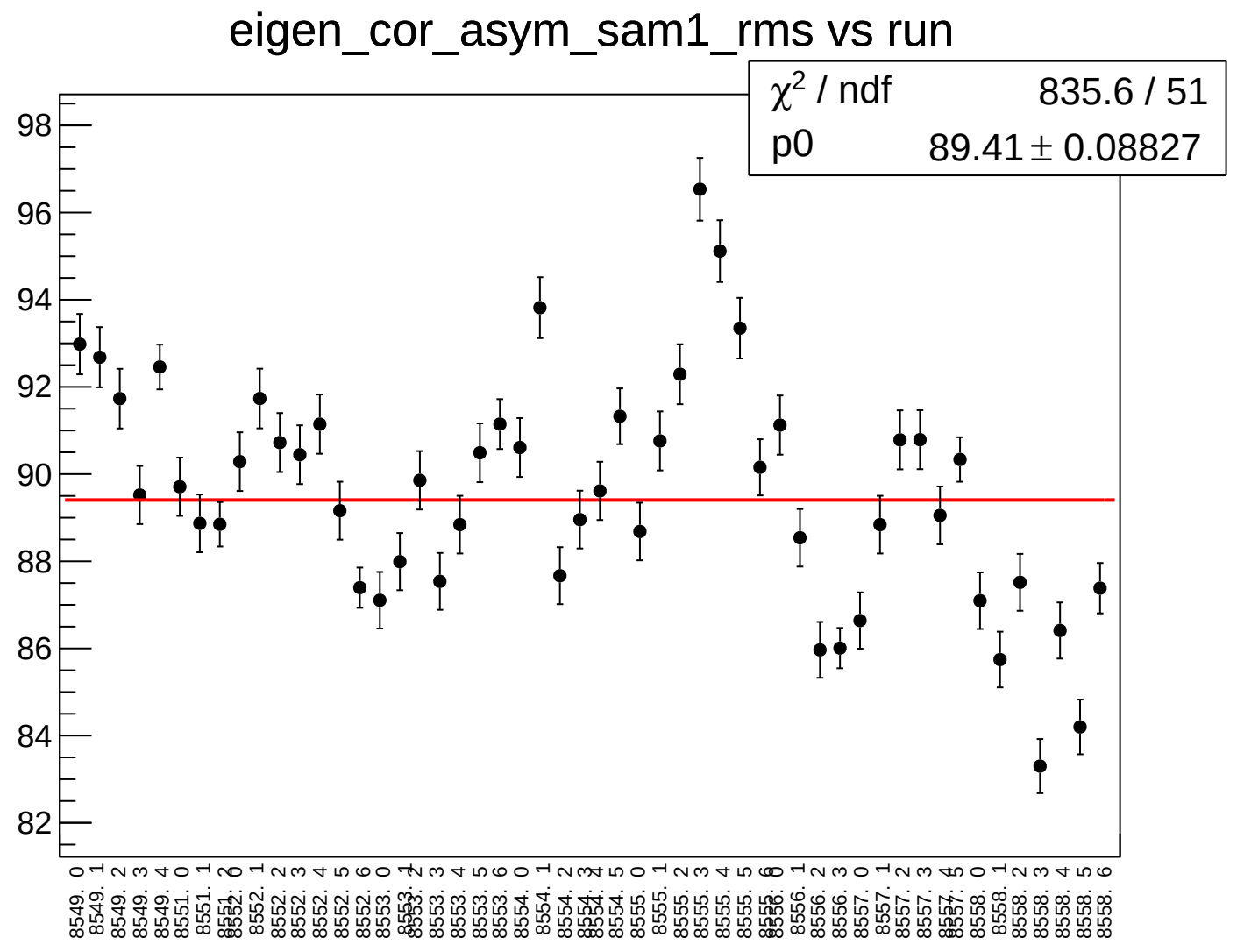
8558. 5
8558. 6


eigen_cor_asym_sam1_mean vs run
χ² / ndf 59.71 / 51
p0 4.361 ± 124.8
pull
Entries 52
Mean −20.14
Std Dev 44.85


pull1D
Entries 52
Mean 0.006546
Std Dev 1.072


eigen_cor_asym_sam1_rms vs run
χ^2 / ndf 835.6 / 51
p0 89.41 ± 0.08827
98
96
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92
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8549. 0
8549. 1
8549. 2
8549. 3
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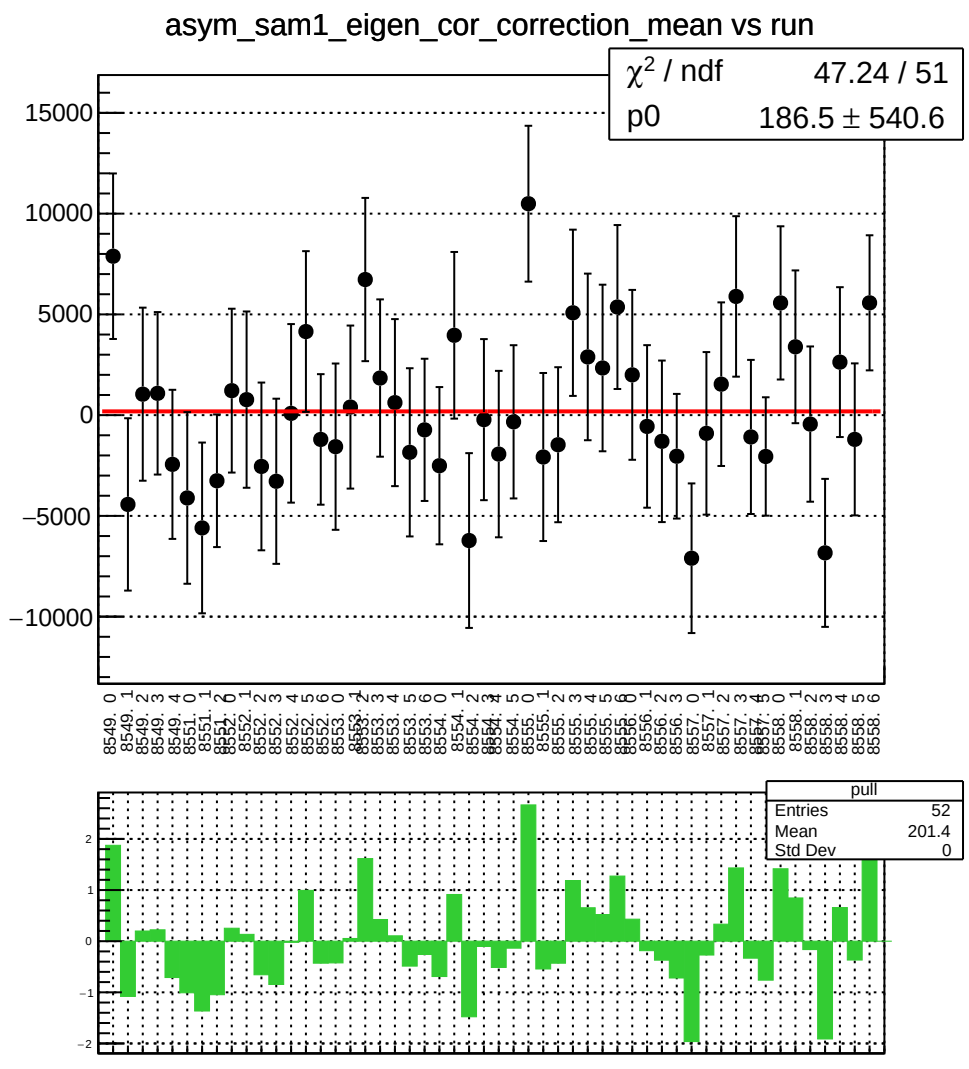
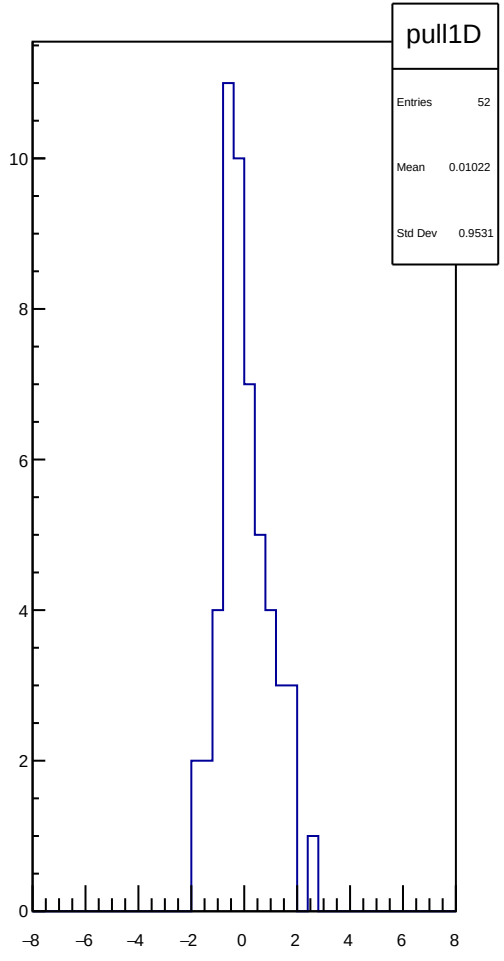
8558. 6


asym_sam1_eigen_cor_correction_mean vs run
χ² / ndf 47.24 / 51
p0 186.5 ± 540.6
15000
10000
5000
0
−5000
−10000
pull
Entries 52
Mean 201.4
Std Dev 0
2
1
0
−1
−2


pull1D
Entries 52
Mean 0.01022
Std Dev 0.9531
10
8
6
4
2
0
−8
−6
−4
−2
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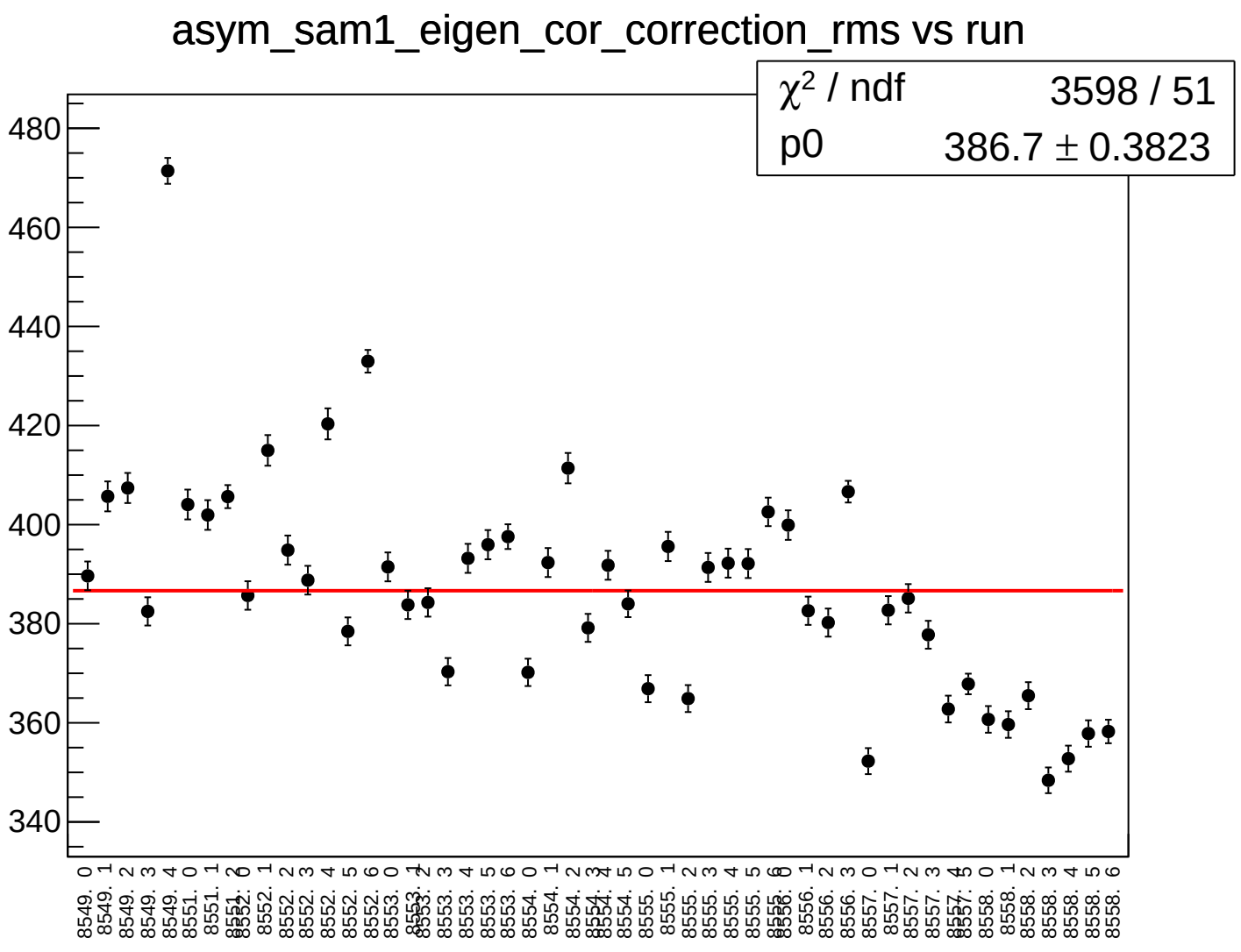
2
4
6
8


asym_sam1_eigen_cor_correction_rms vs run
χ² / ndf 3598 / 51
p0 386.7 ± 0.3823
480
460
440
420
400
380
360
340
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
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8553. 0
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8553. 5
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8554. 2
8555. 0
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8555. 2
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8556. 1
8556. 2
8556. 3
8557. 0
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8558. 2
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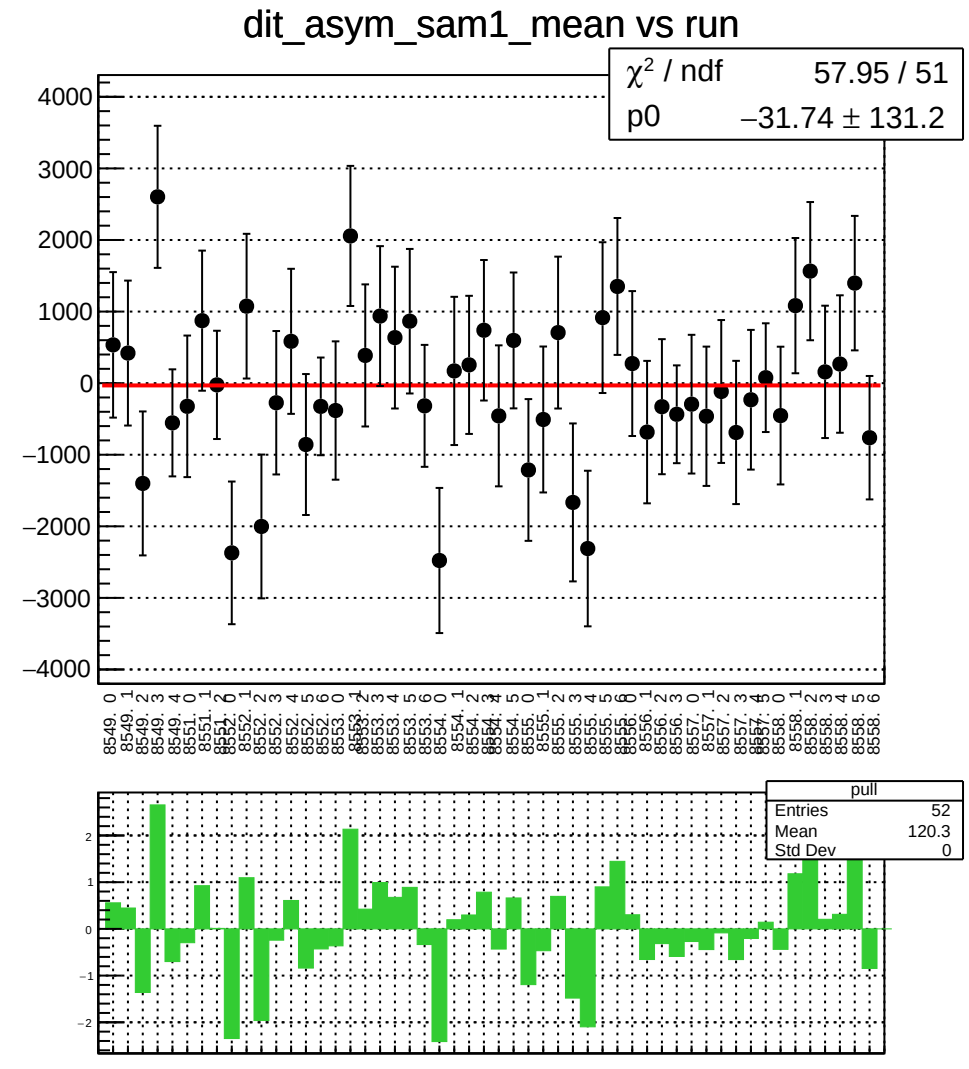
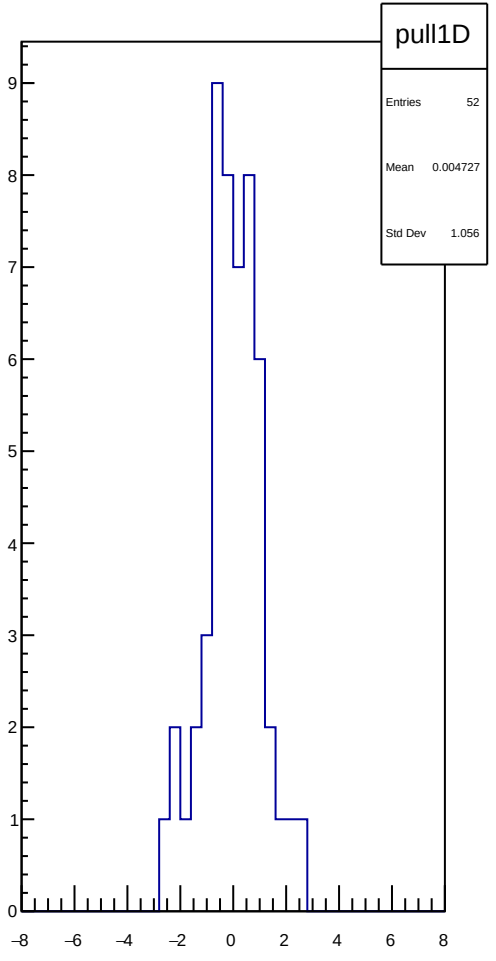
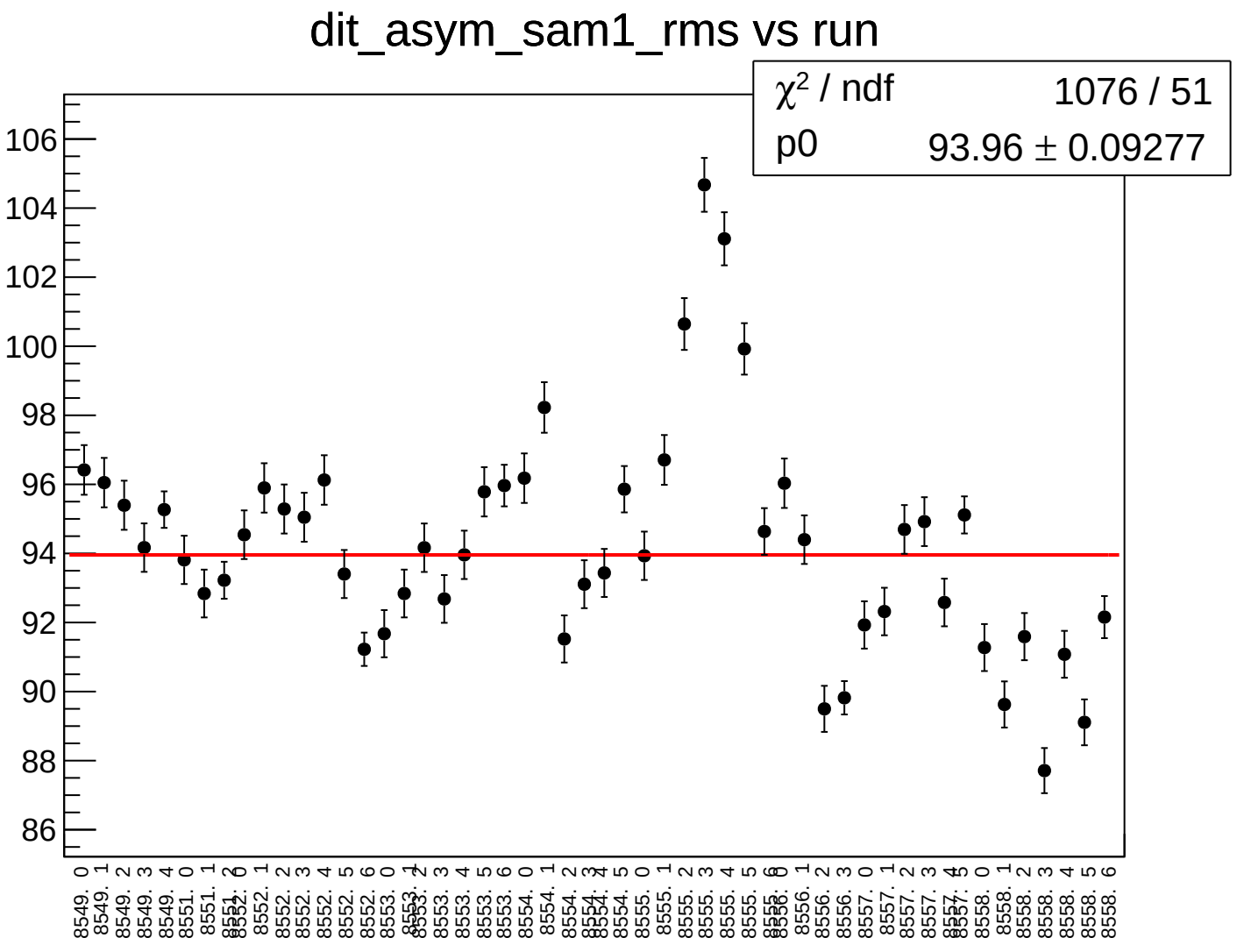
8558. 5
8558. 6


dit_asym_sam1_mean vs run
χ² / ndf 57.95 / 51
p0 −31.74 ± 131.2
pull
Entries 52
Mean 120.3
Std Dev 0


pull1D
Entries 52
Mean 0.004727
Std Dev 1.056


dit_asym_sam1_rms vs run
χ² / ndf 1076 / 51
p0 93.96 ± 0.09277
106
104
102
100
98
96
94
92
90
88
86
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
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8553. 5
8553. 6
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8554. 1
8554. 2
8555. 0
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8555. 2
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8557. 0
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8558. 3
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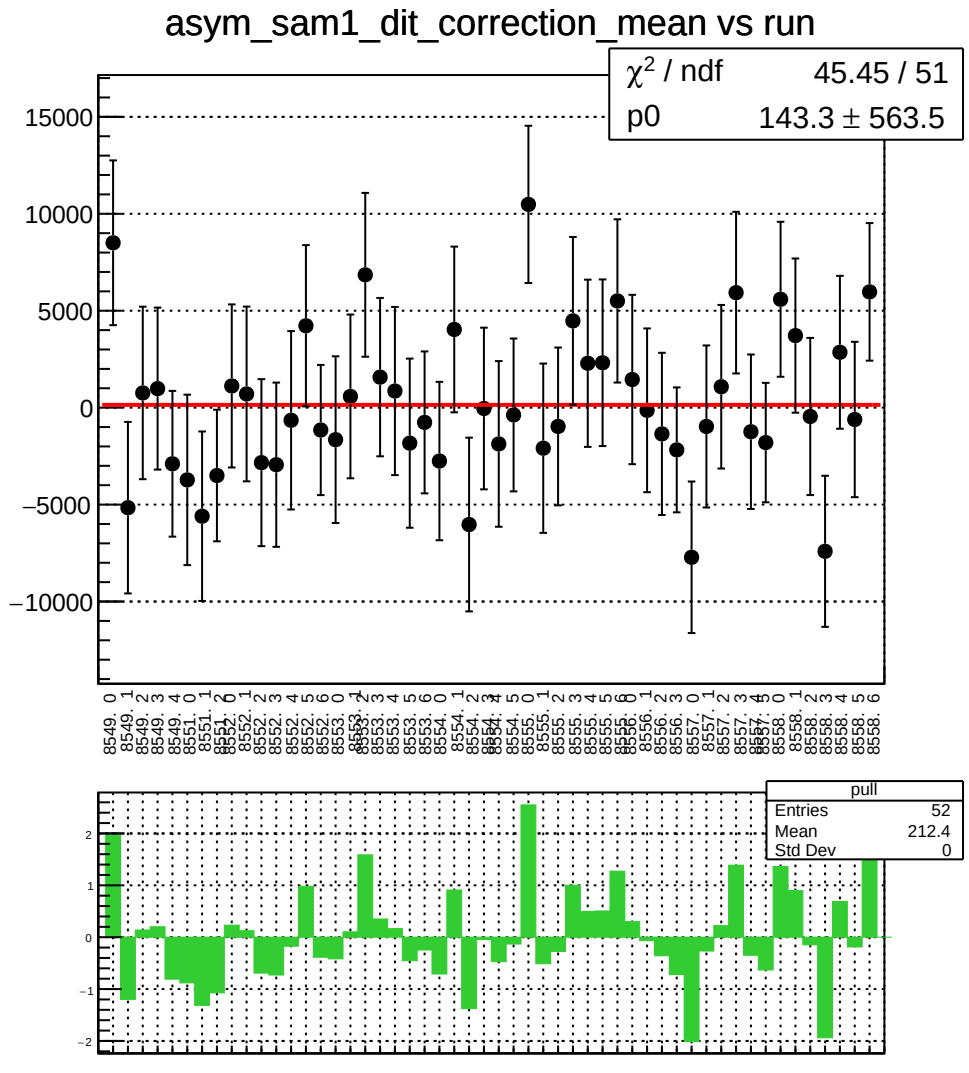
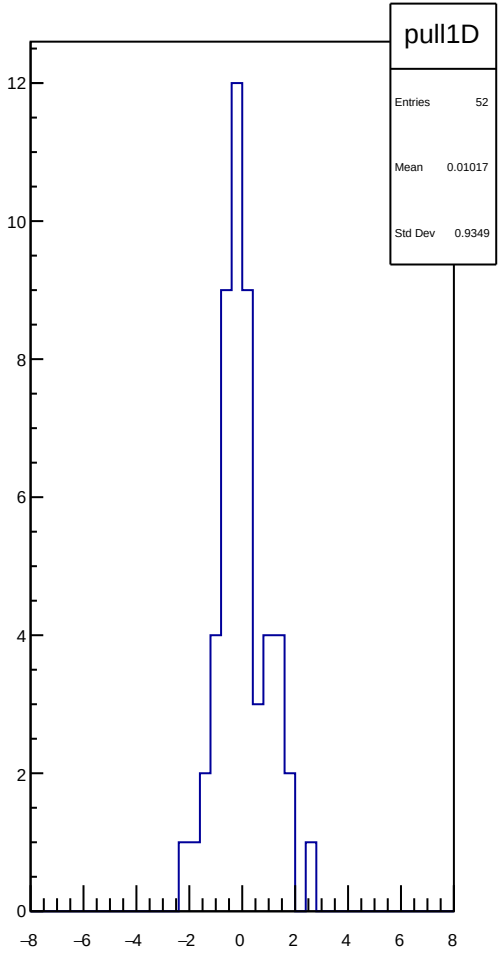

asym_sam1_dit_correction_mean vs run
χ² / ndf 45.45 / 51
p0 143.3 ± 563.5
15000
10000
5000
0
−5000
−10000
pull
Entries 52
Mean 212.4
Std Dev 0
2
1
0
−1
−2


pull1D
Entries 52
Mean 0.01017
Std Dev 0.9349
12
10
8
6
4
2
0
−8
−6
−4
−2
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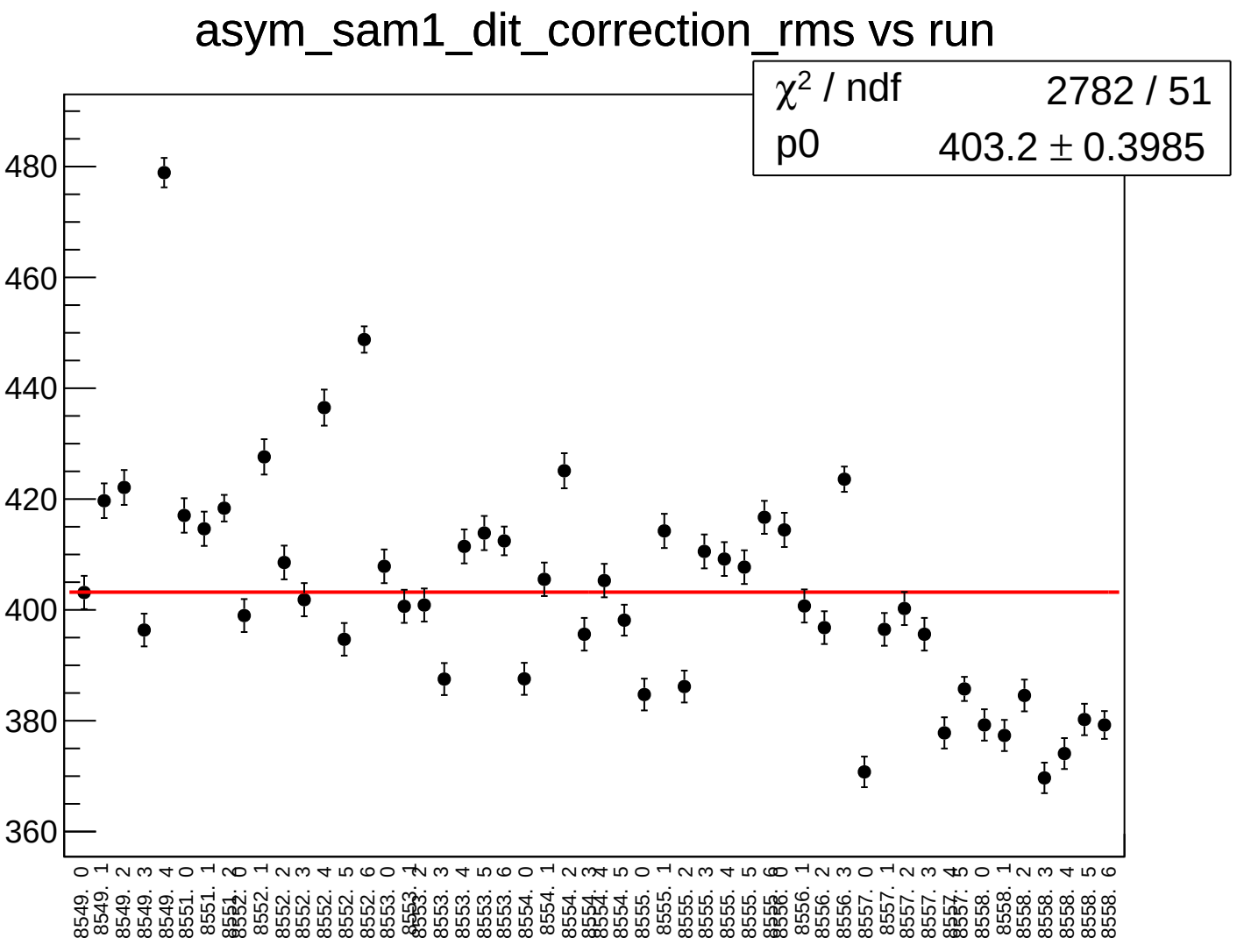
2
4
6
8


asym_sam1_dit_correction_rms vs run
χ² / ndf 2782 / 51
p0 403.2 ± 0.3985
480
460
440
420
400
380
360
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
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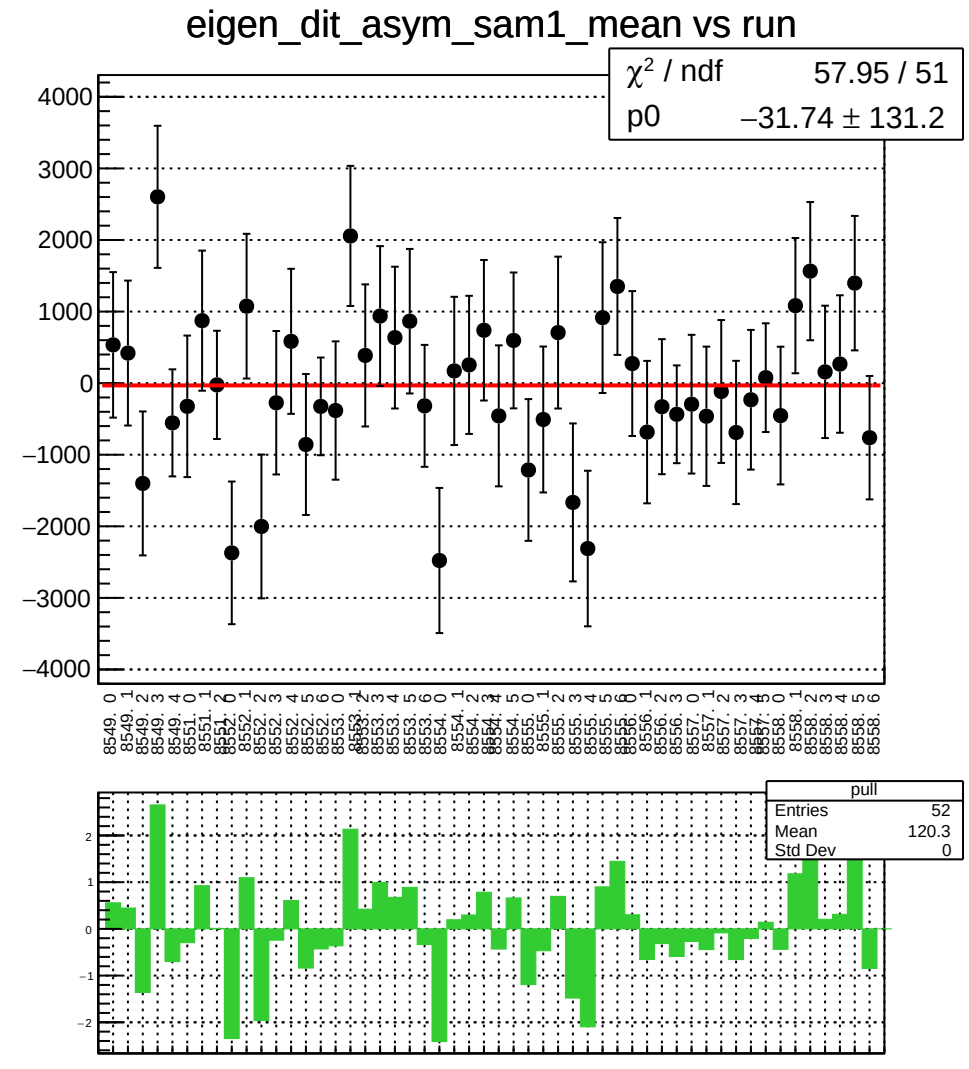
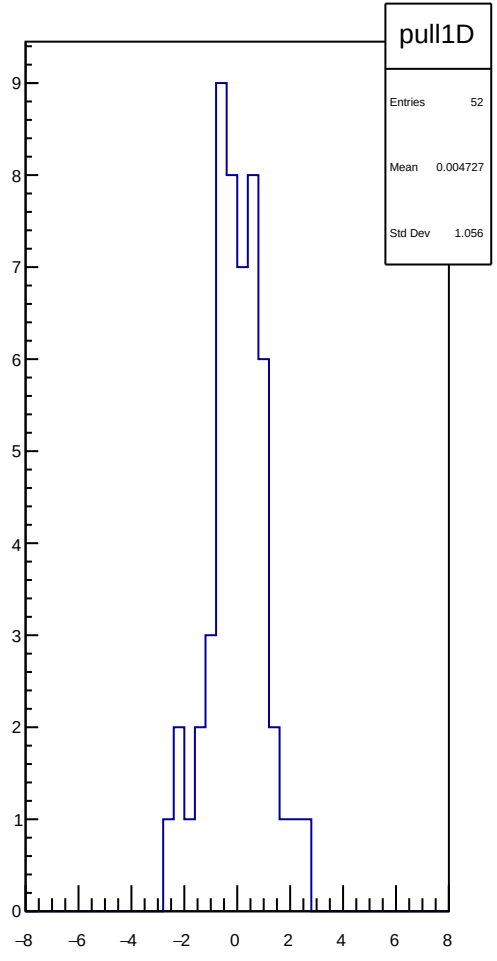
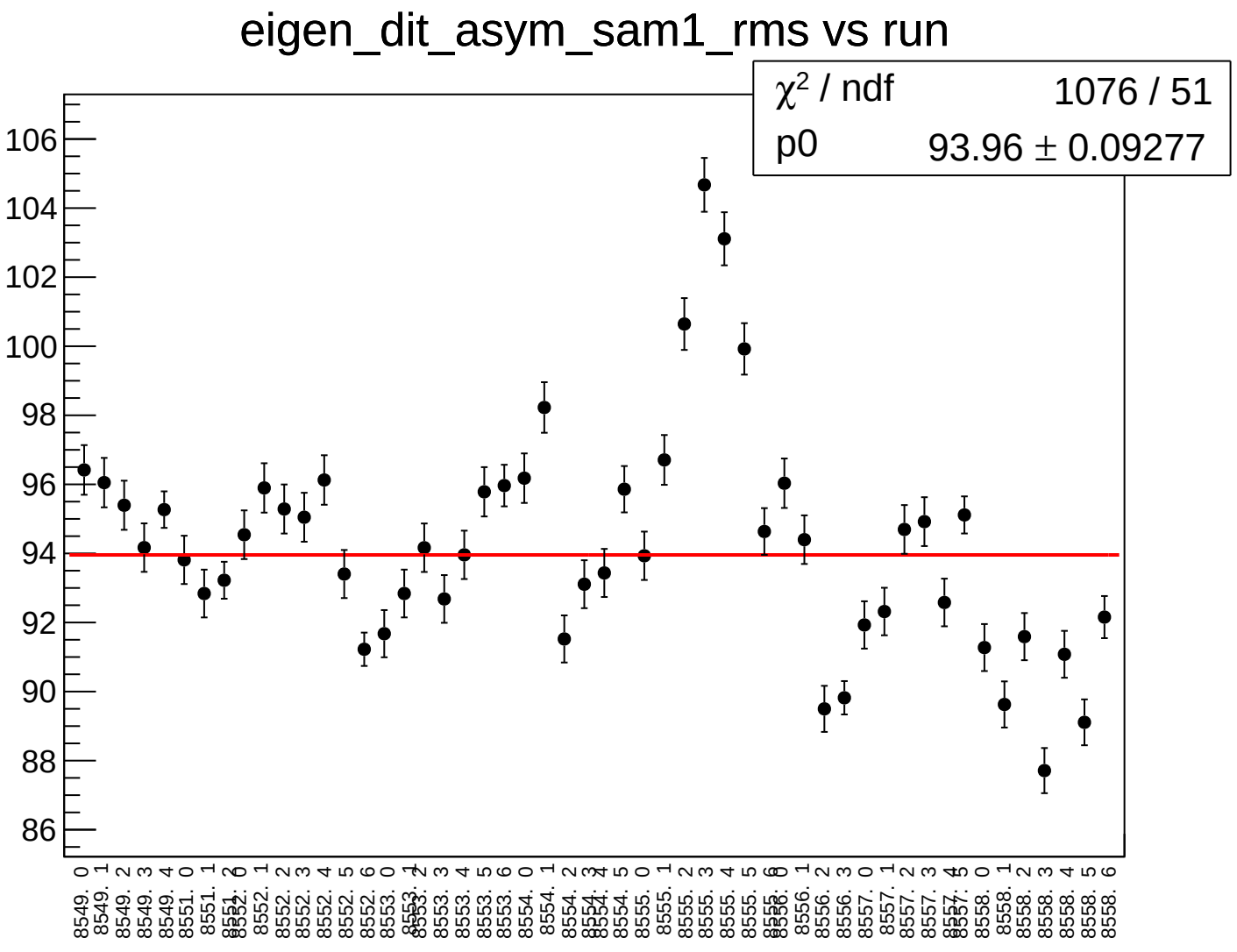
8558. 6


eigen_dit_asym_sam1_mean vs run
χ² / ndf 57.95 / 51
p0 −31.74 ± 131.2
pull
Entries 52
Mean 120.3
Std Dev 0


pull1D
Entries 52
Mean 0.004727
Std Dev 1.056


eigen_dit_asym_sam1_rms vs run
χ^2 / ndf 1076 / 51
p0 93.96 ± 0.09277
106
104
102
100
98
96
94
92
90
88
86
8549. 0
8549. 1
8549. 2
8549. 3
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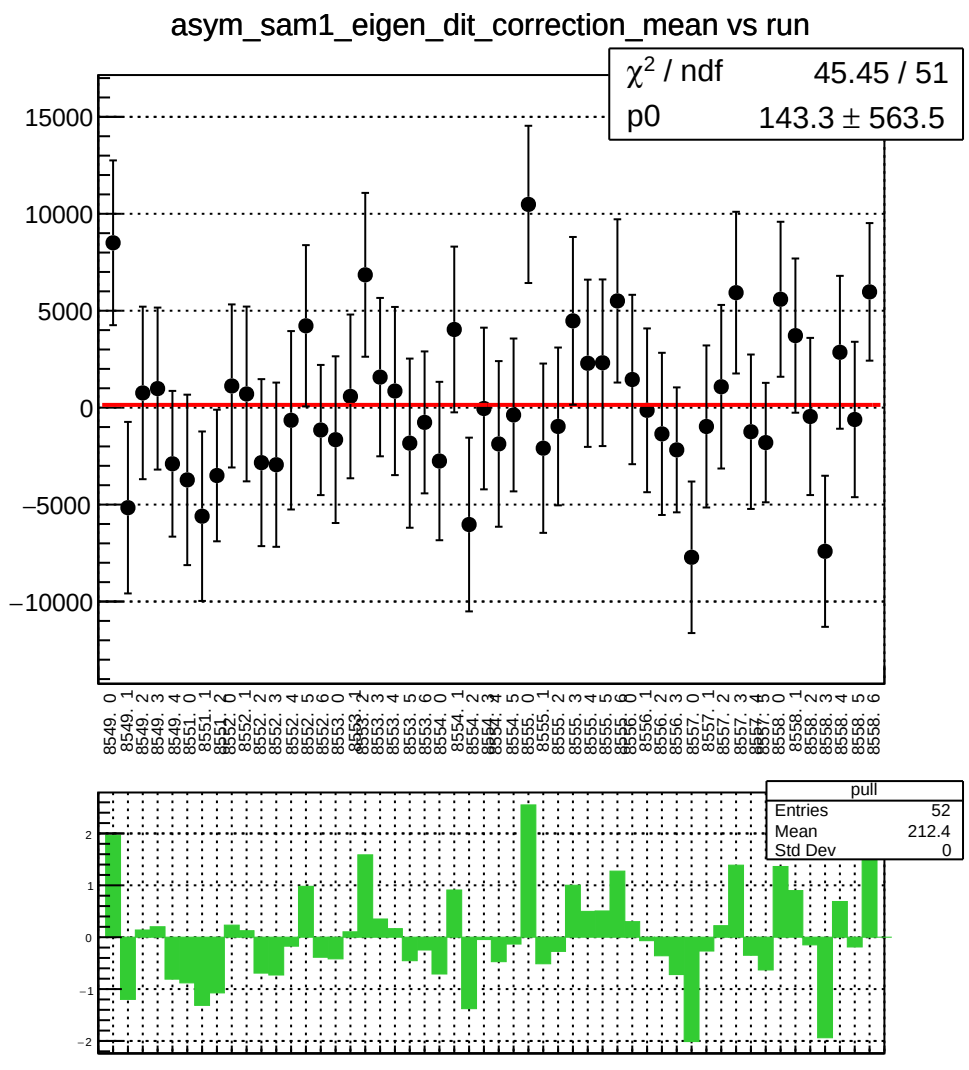
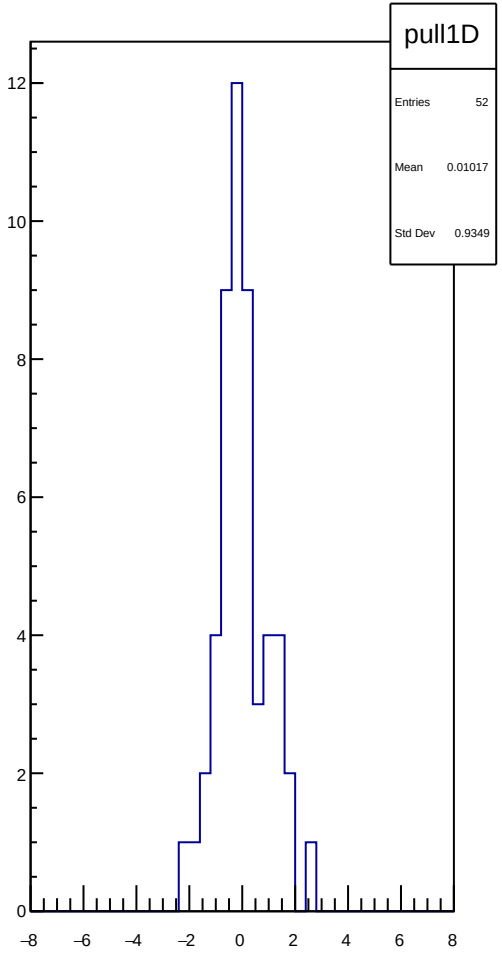

asym_sam1_eigen_dit_correction_mean vs run
χ² / ndf 45.45 / 51
p0 143.3 ± 563.5
15000
10000
5000
0
−5000
−10000
pull
Entries 52
Mean 212.4
Std Dev 0
2
1
0
−1
−2


pull1D
Entries 52
Mean 0.01017
Std Dev 0.9349
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
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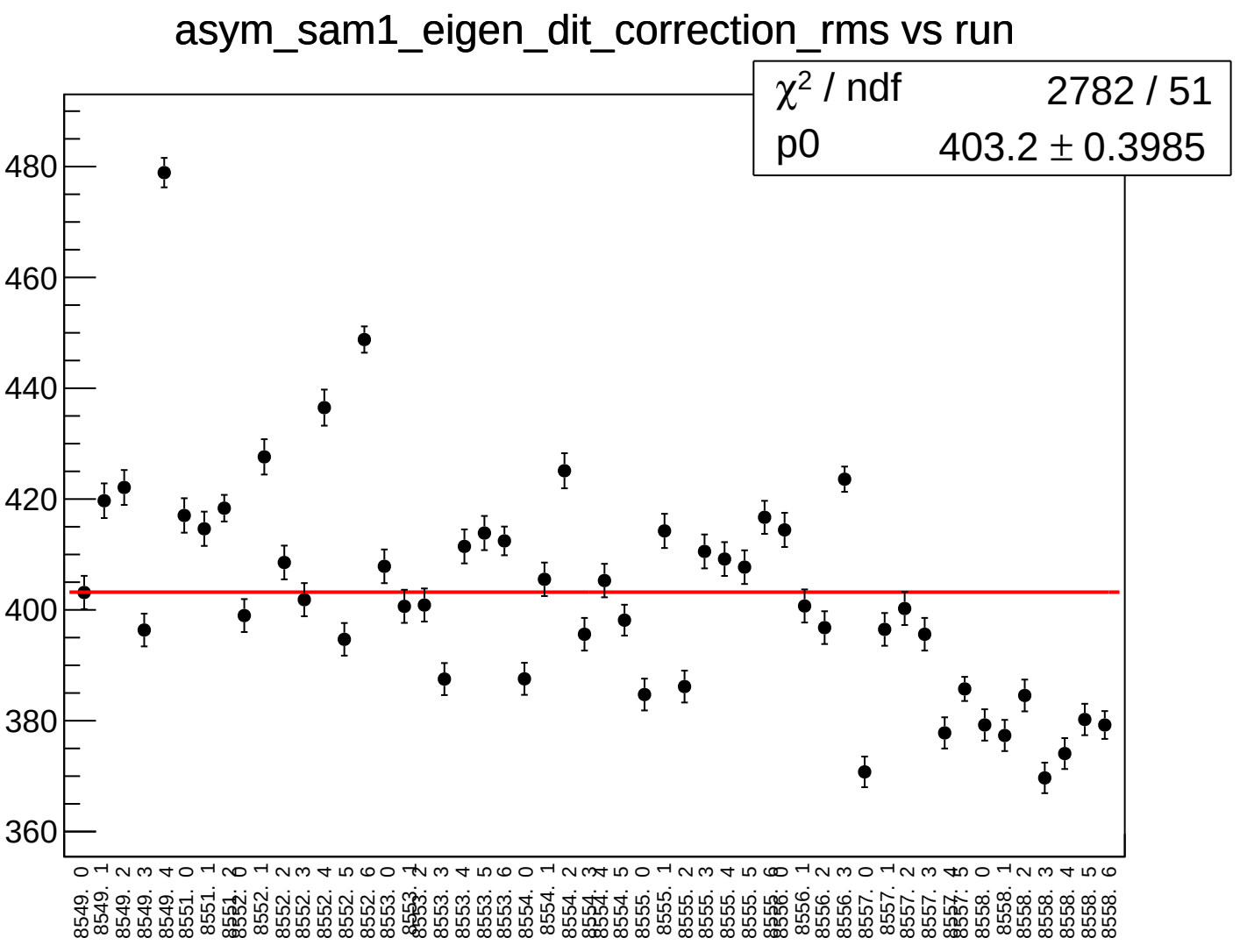
6
8


asym_sam1_eigen_dit_correction_rms vs run
χ² / ndf 2782 / 51
p0 403.2 ± 0.3985
480
460
440
420
400
380
360
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
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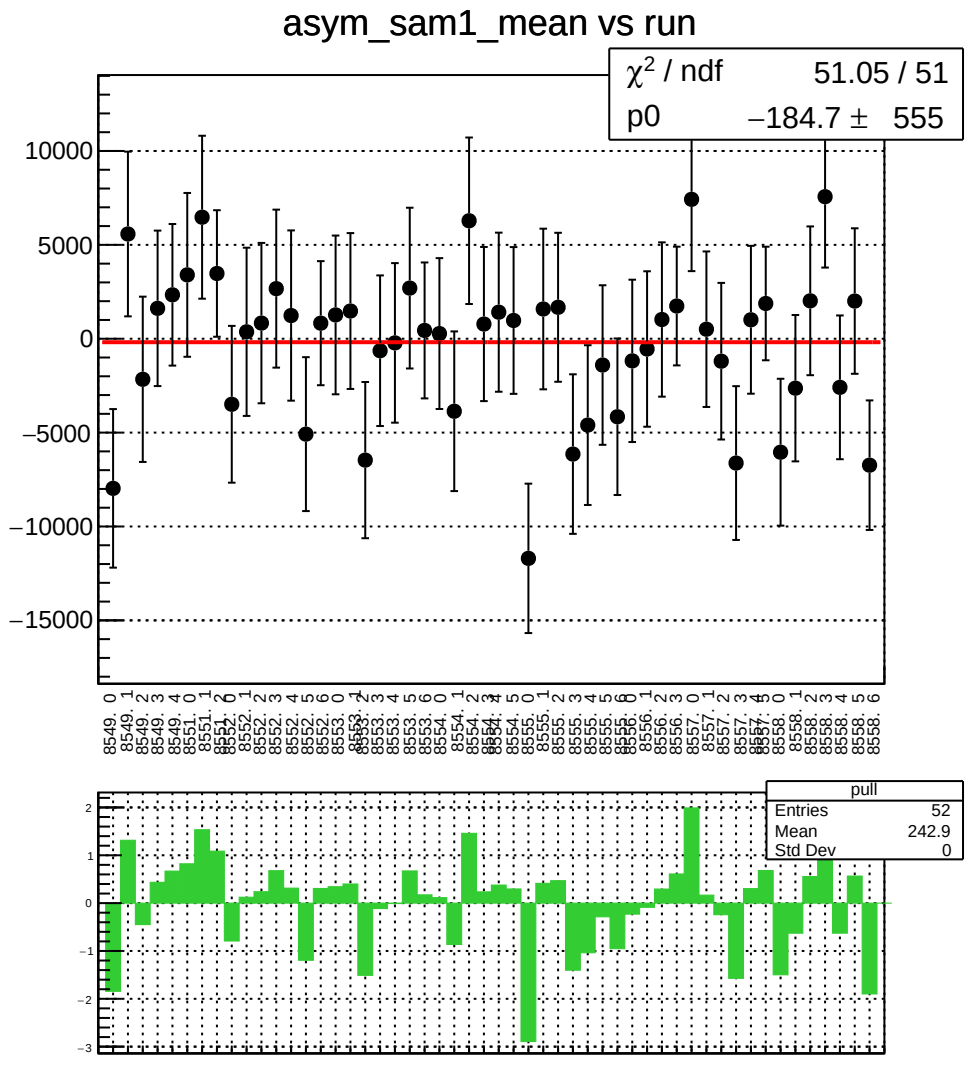
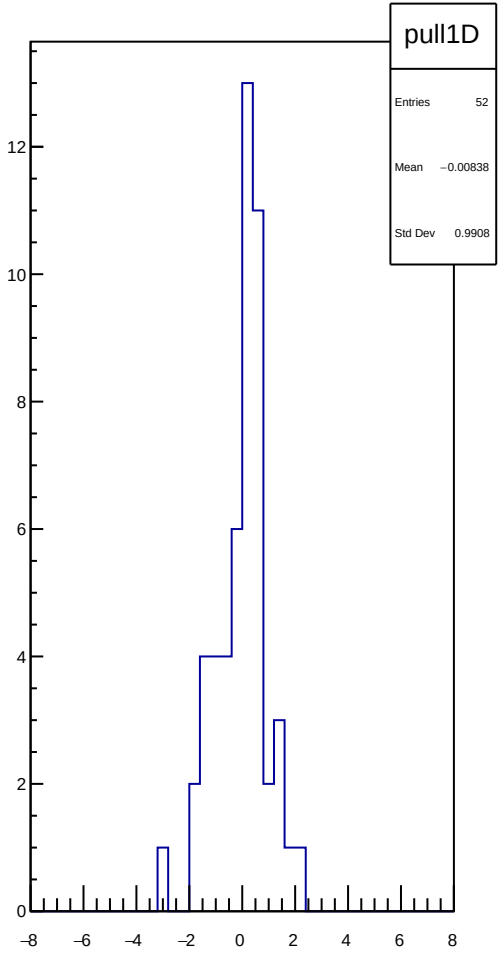
8558. 6


asym_sam1_mean vs run
χ² / ndf 51.05 / 51
p0 −184.7 ± 555
10000
5000
0
−5000
−10000
−15000
pull
Entries 52
Mean 242.9
Std Dev 0
2
1
0
−1
−2
−3


pull1D
Entries 52
Mean −0.00838
Std Dev 0.9908
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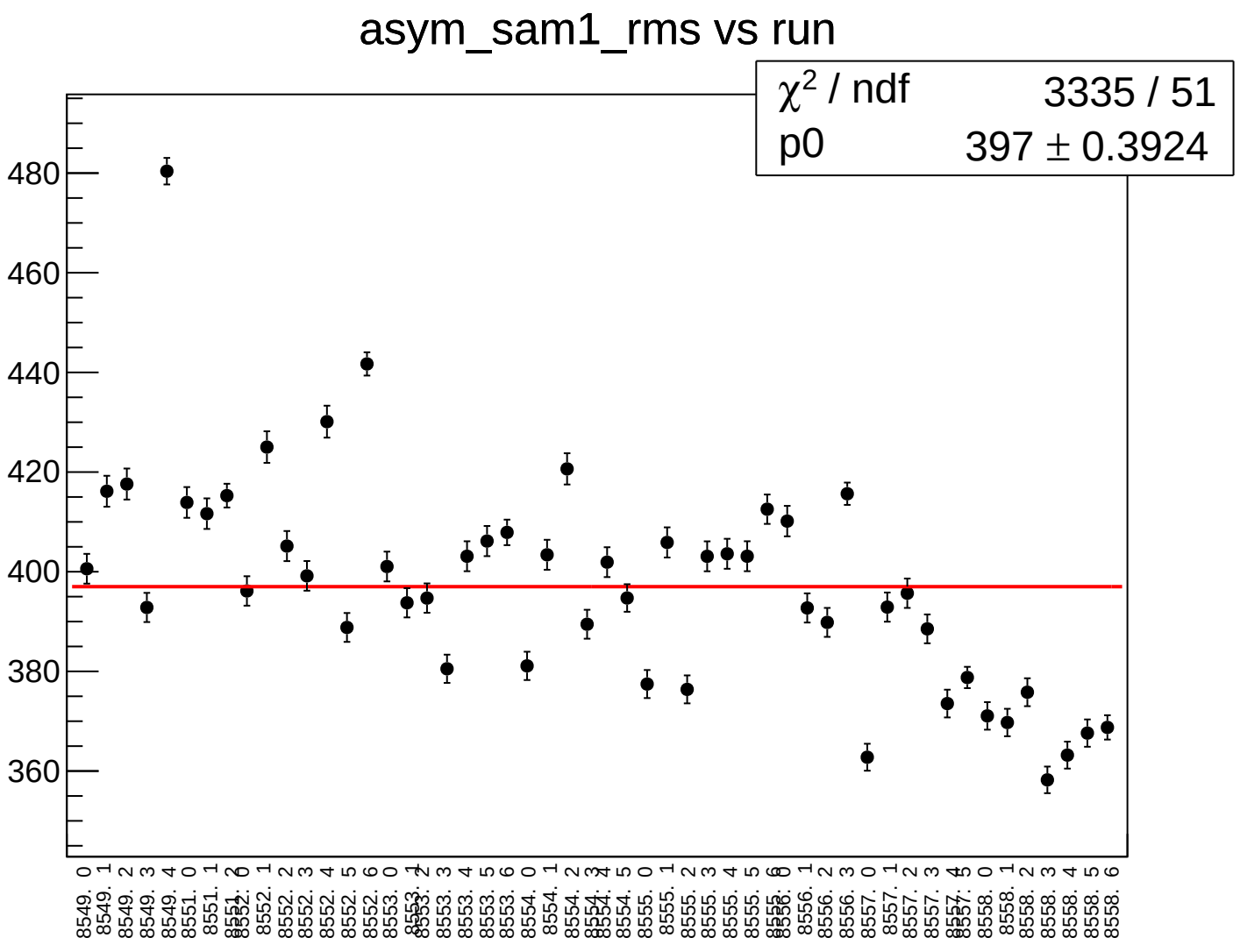
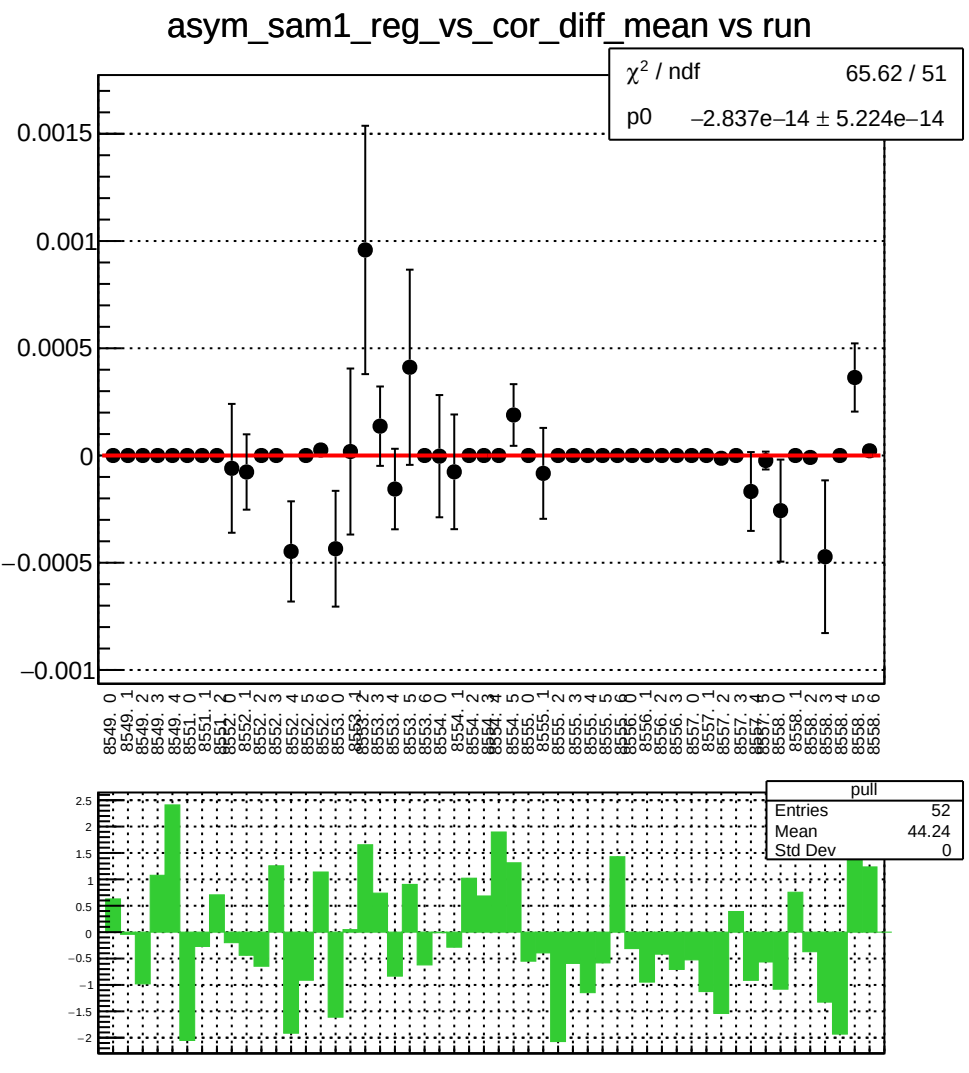
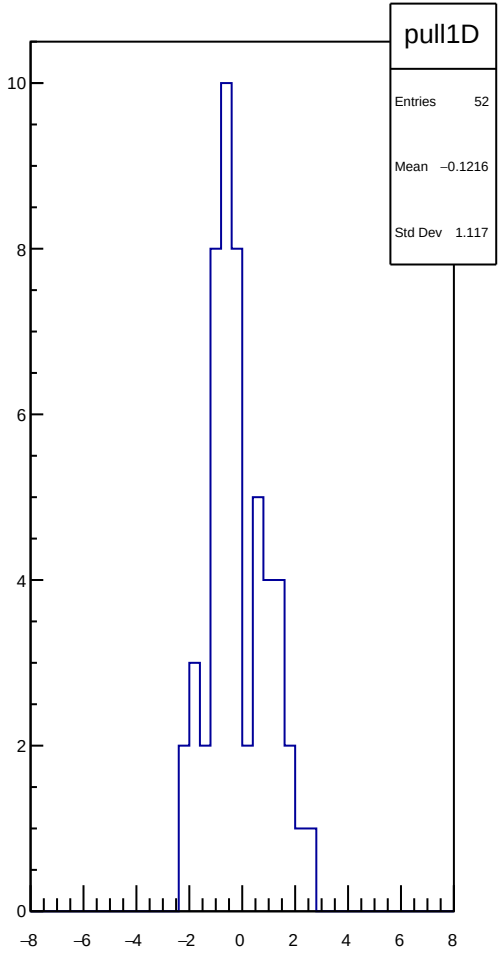
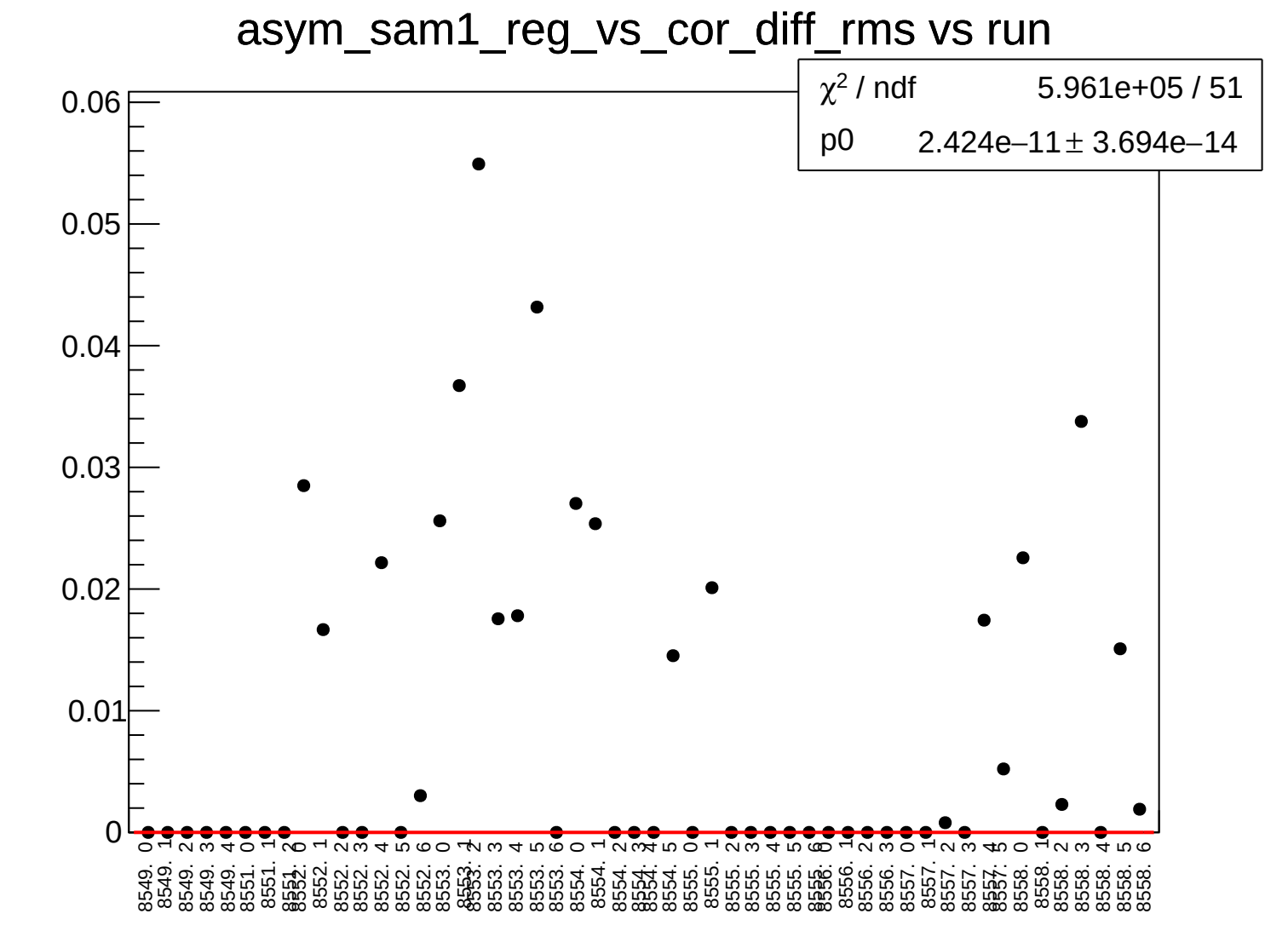
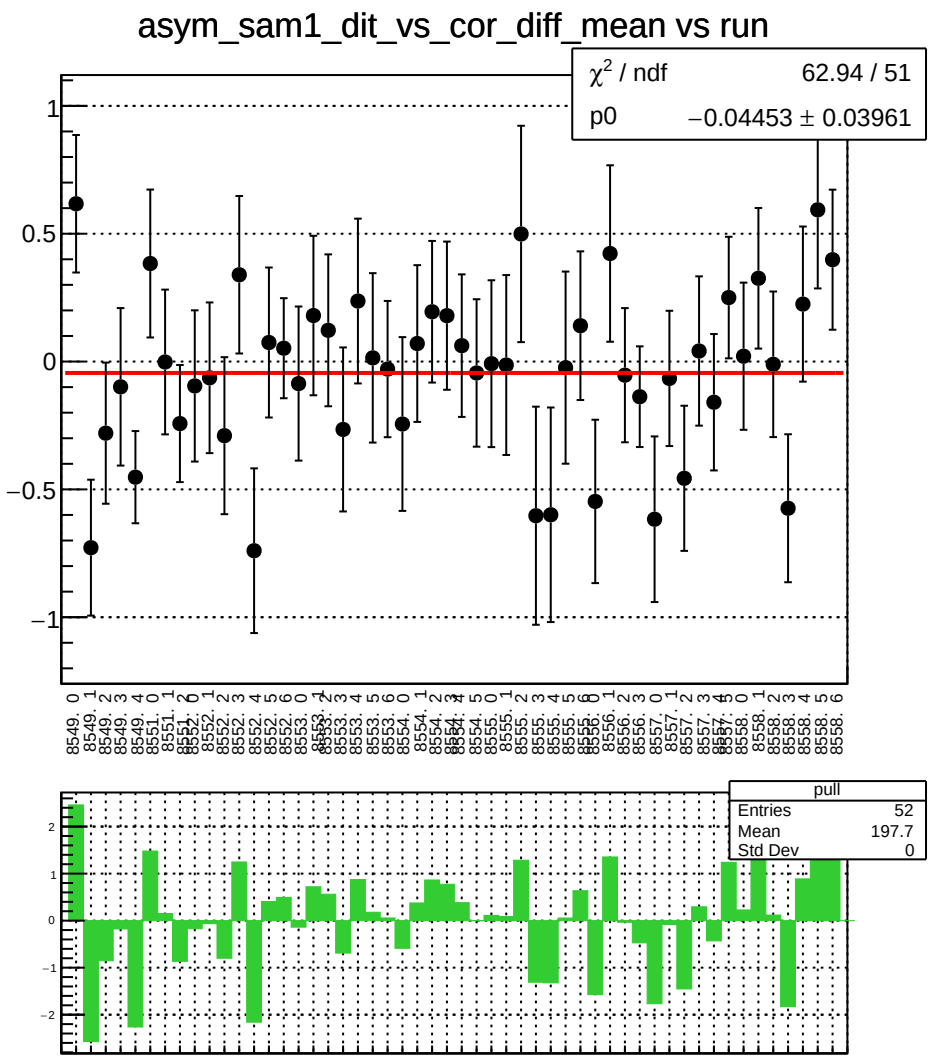
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

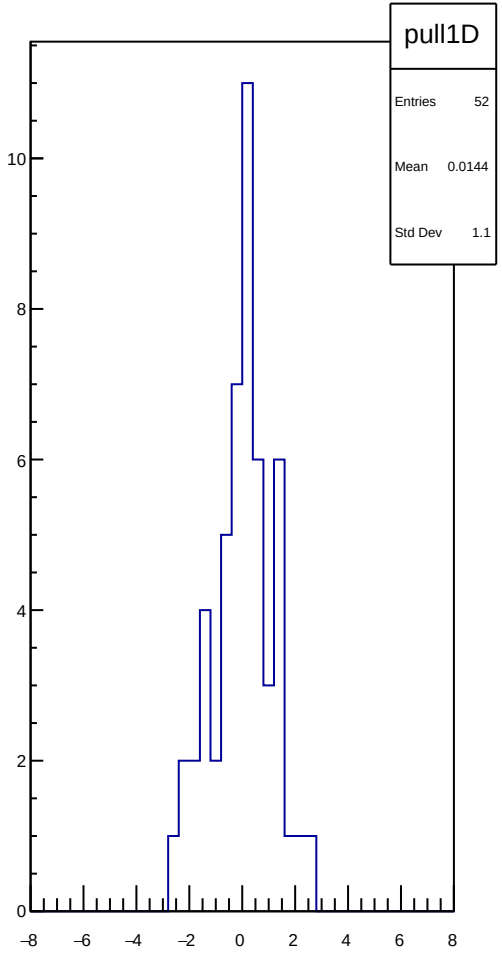

asym_sam1_rms vs run
χ² / ndf 3335 / 51
p0 397 ± 0.3924
480
460
440
420
400
380
360
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 5
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

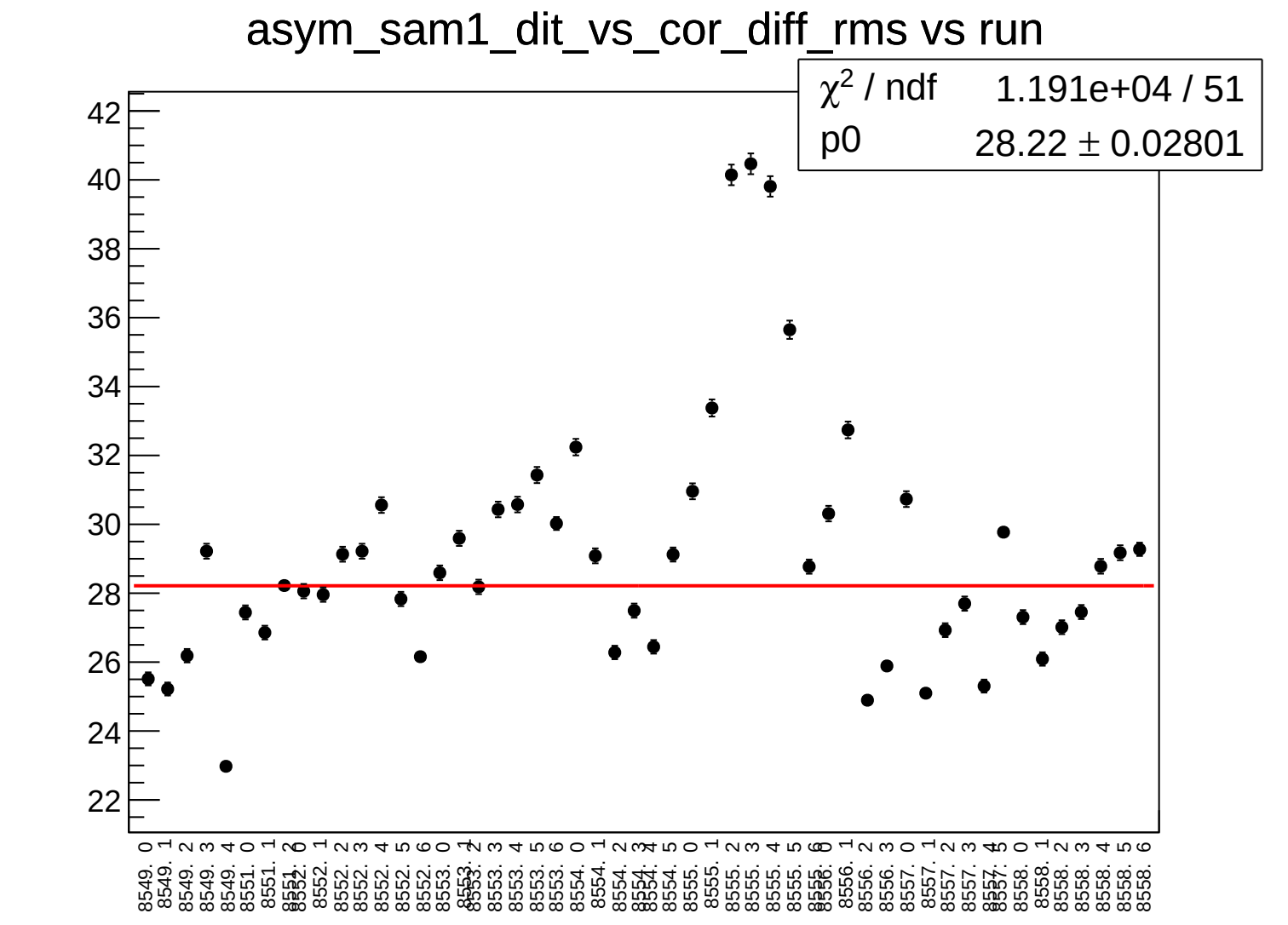

asym_sam1_reg_vs_cor_diff_mean vs run
χ² / ndf 65.62 / 51
p0 −2.837e−14 ± 5.224e−14
0.0015
0.001
0.0005
0
−0.0005
−0.001
pull
Entries 52
Mean 44.24
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

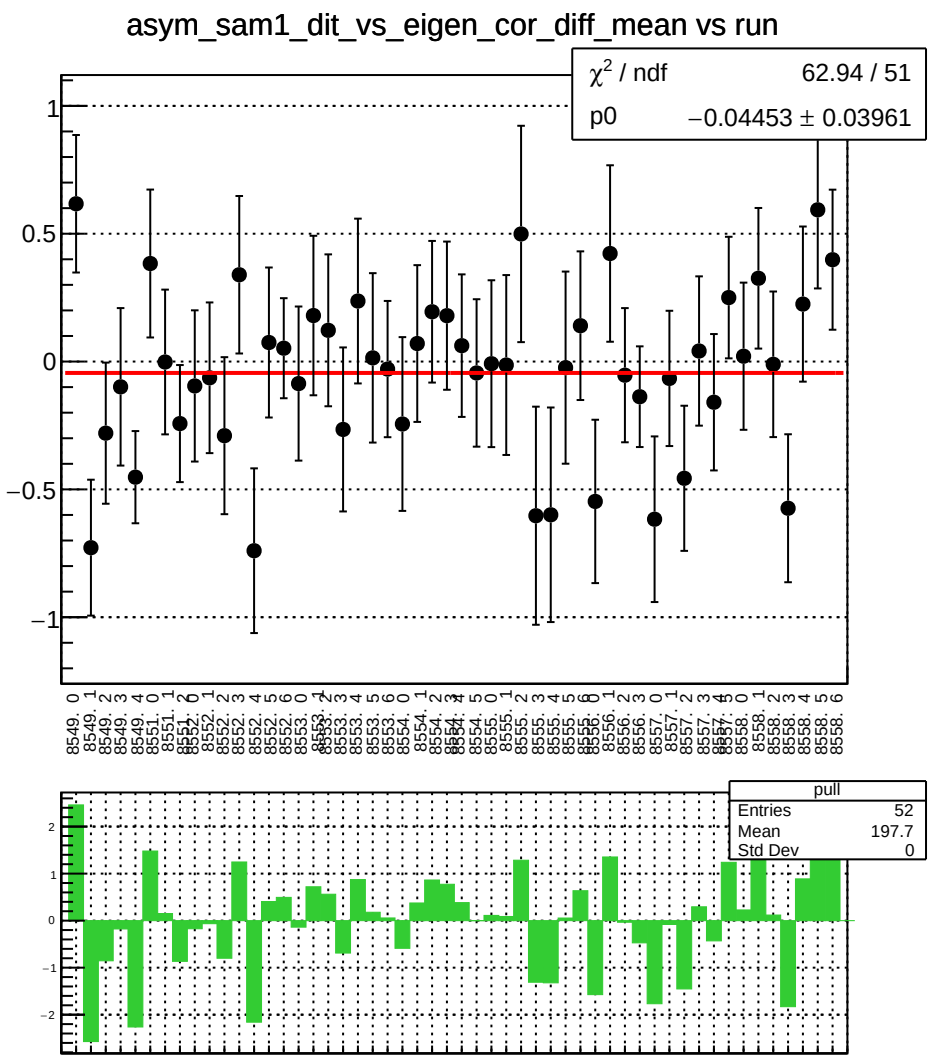

pull1D
Entries 52
Mean −0.1216
Std Dev 1.117
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

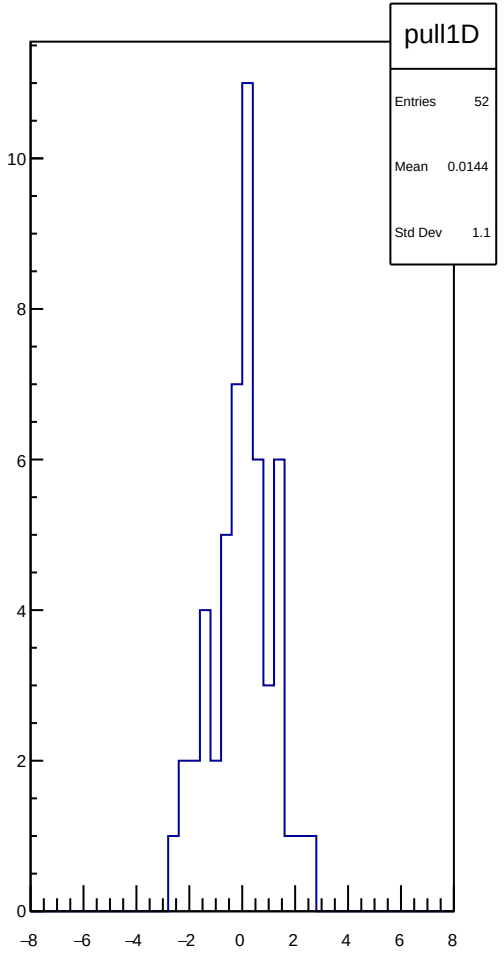

asym_sam1_reg_vs_cor_diff_rms vs run
χ² / ndf 5.961e+05 / 51
p0 2.424e−11 ± 3.694e−14
0.06
0.05
0.04
0.03
0.02
0.01
0
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8549. 5
8551. 0
8551. 1
8551. 2
8552. 0
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 1
8553. 2
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 3
8554. 4
8554. 5
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8555. 6
8556. 0
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8557. 4
8557. 5
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

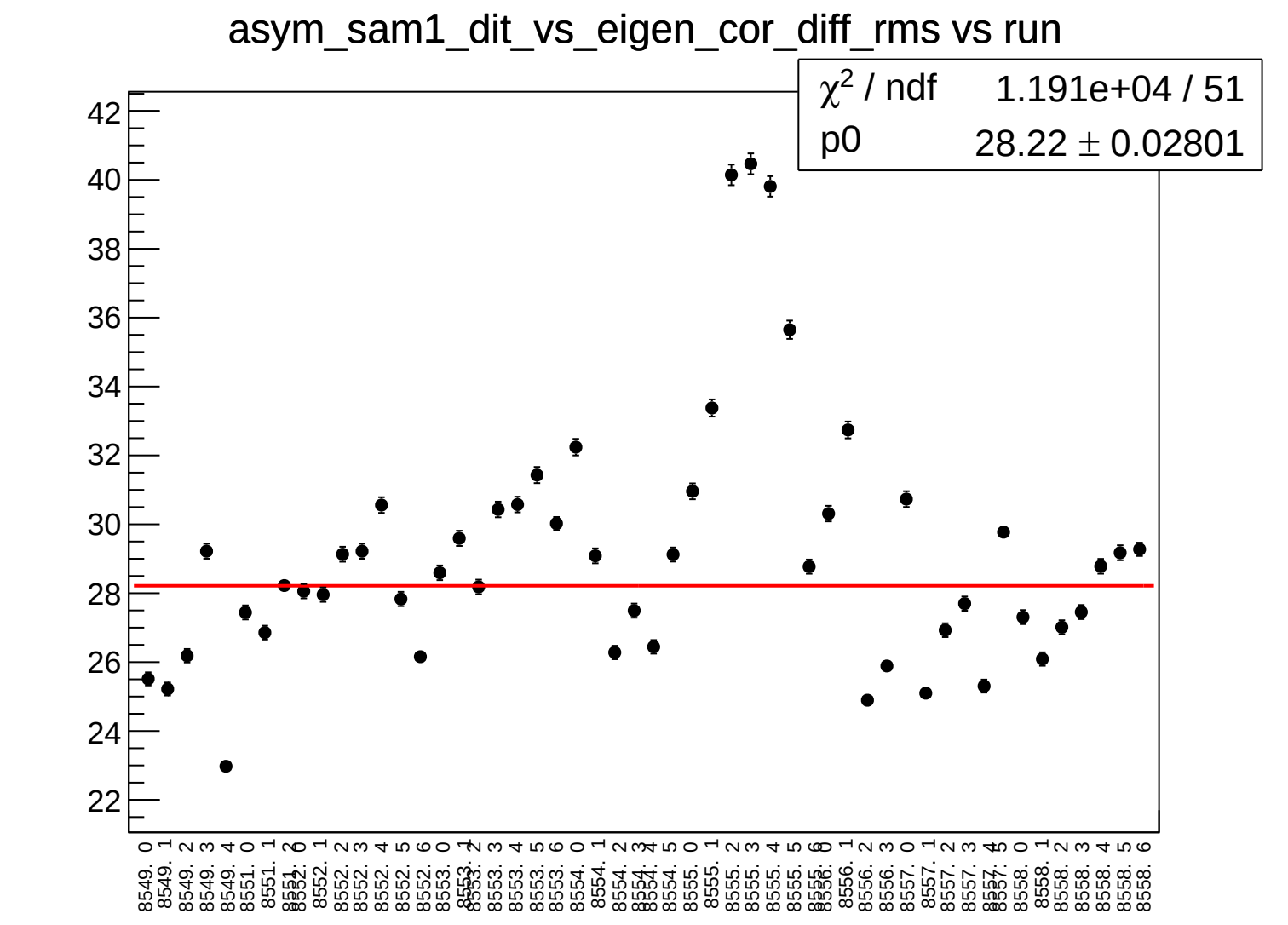

asym_sam1_dit_vs_cor_diff_mean vs run
χ² / ndf 62.94 / 51
p0 −0.04453 ± 0.03961
pull
Entries 52
Mean 197.7
Std Dev 0

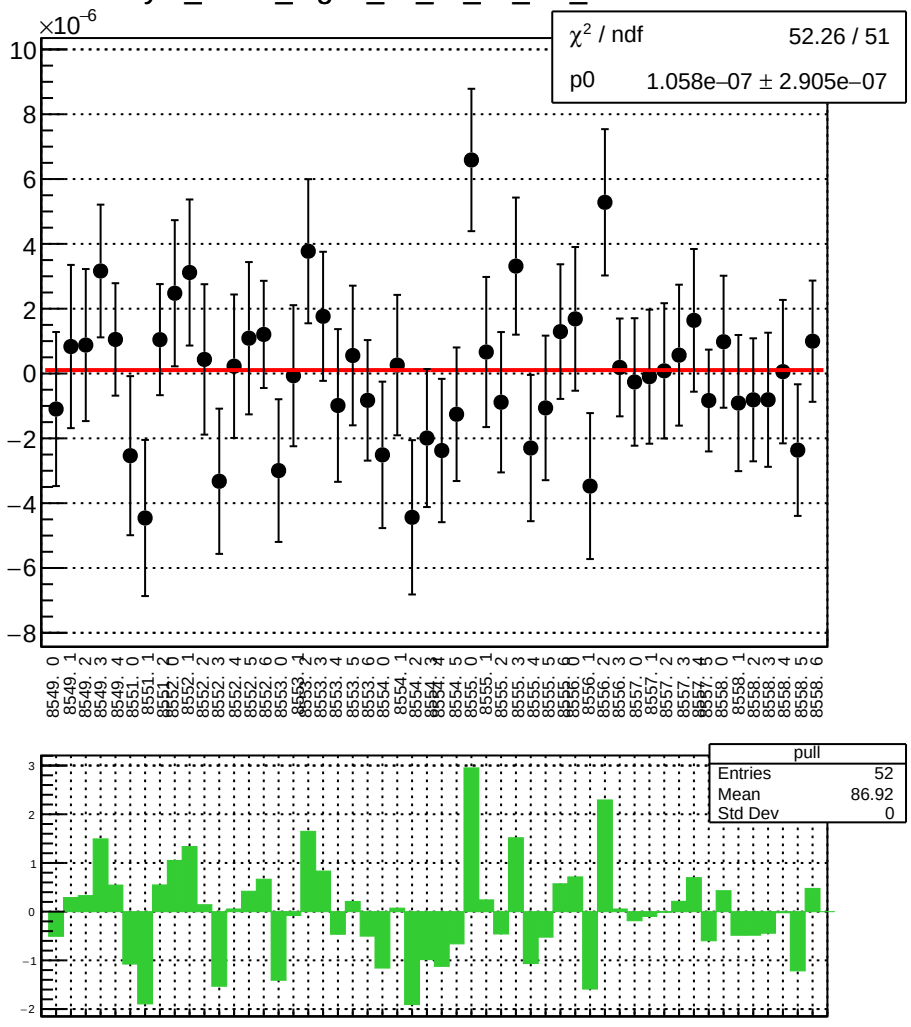

pull1D
Entries 52
Mean 0.0144
Std Dev 1.1

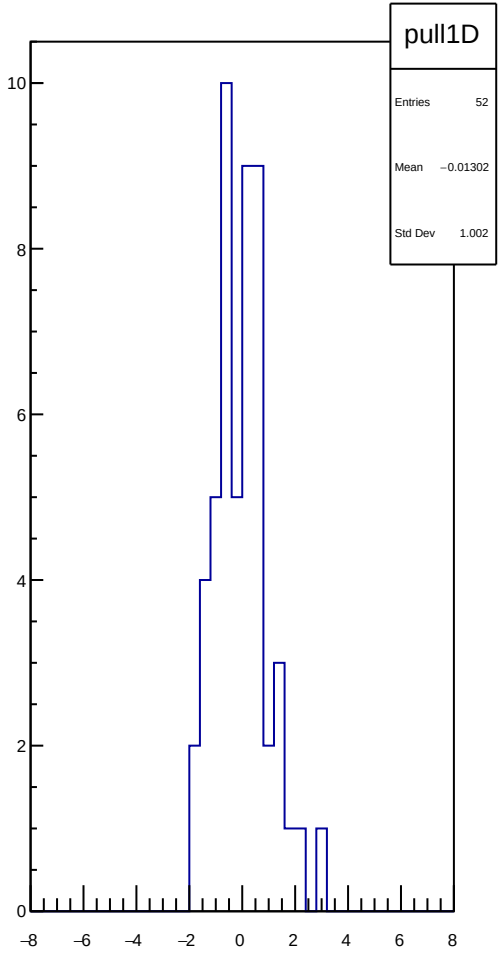

asym_sam1_dit_vs_cor_diff_rms vs run
χ² / ndf 1.191e+04 / 51
p0 28.22 ± 0.02801
42
40
38
36
34
32
30
28
26
24
22
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

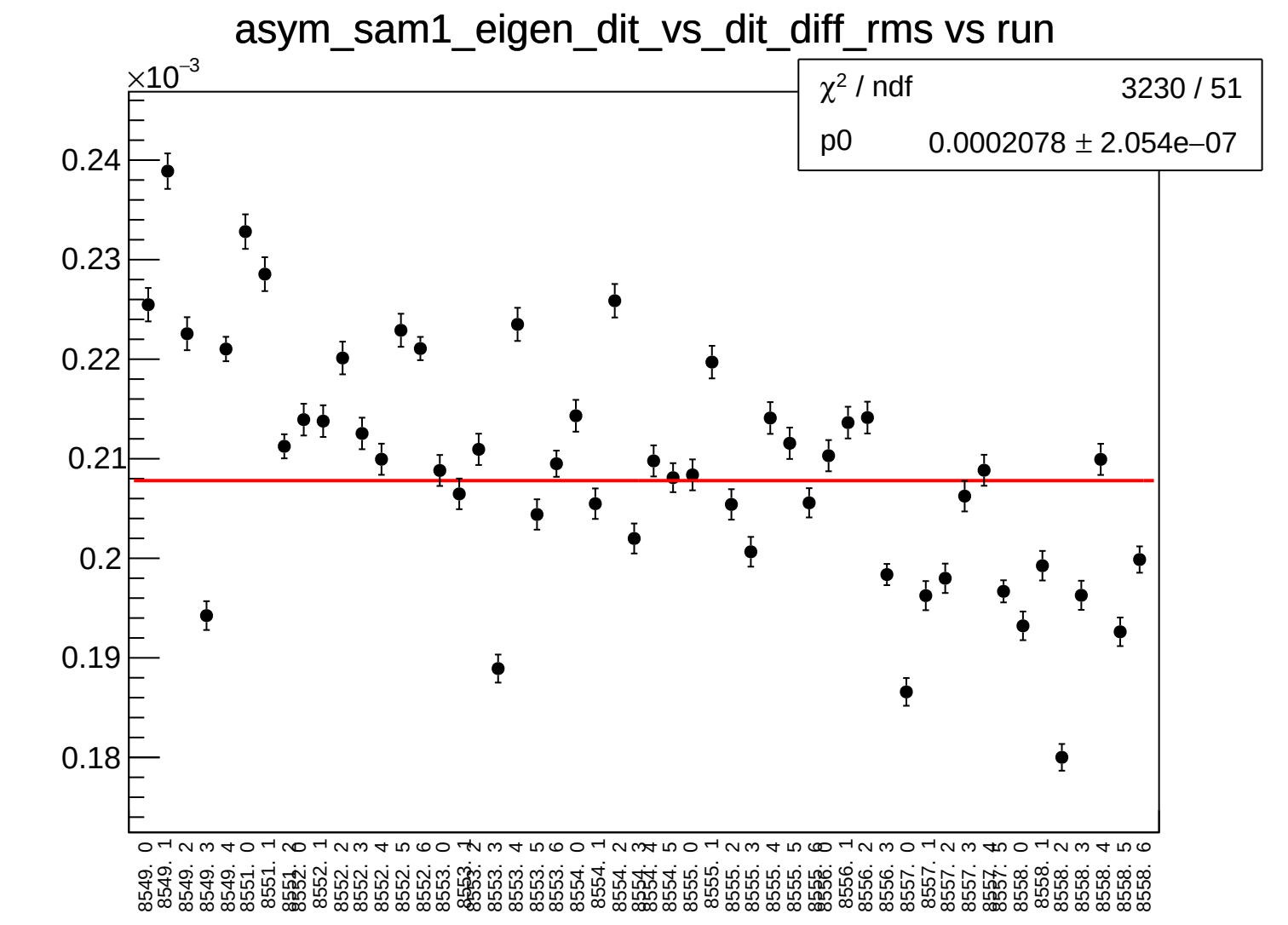

asym_sam1_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 62.94 / 51
p0 −0.04453 ± 0.03961
pull
Entries 52
Mean 197.7
Std Dev 0

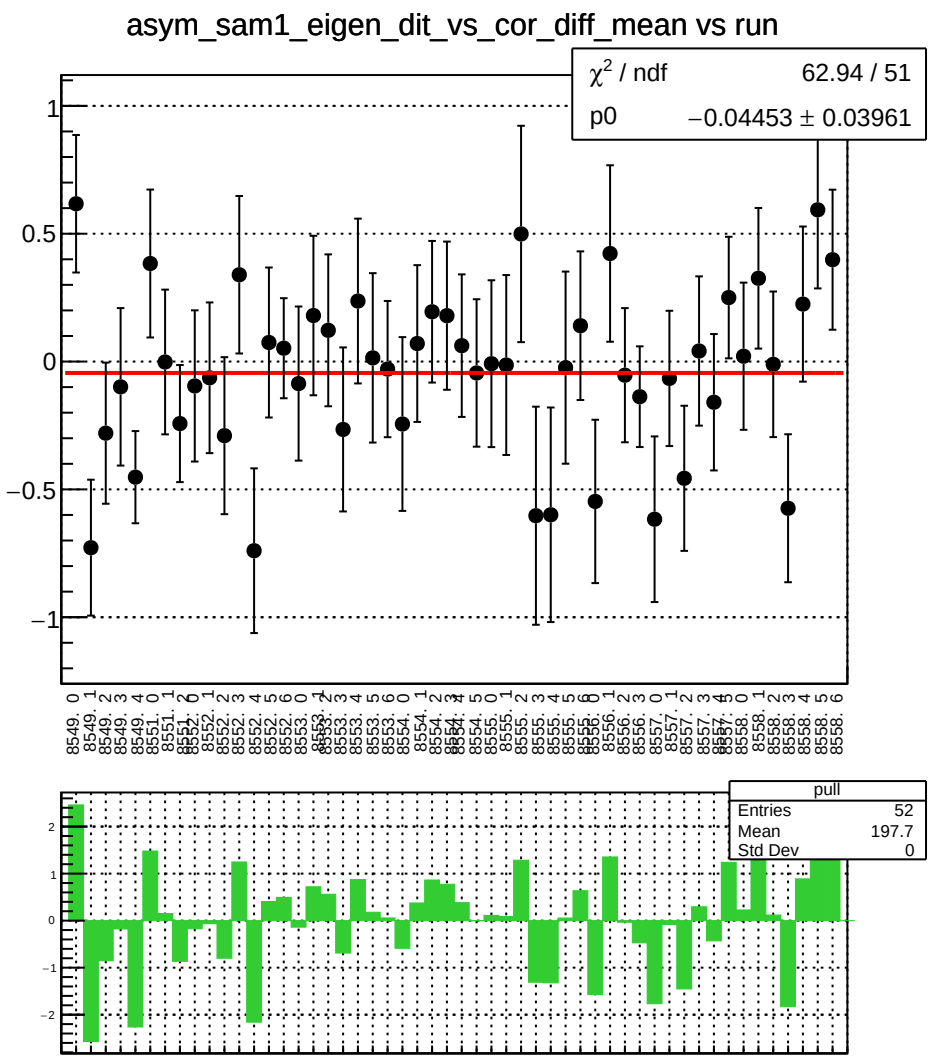

pull1D
Entries 52
Mean 0.0144
Std Dev 1.1

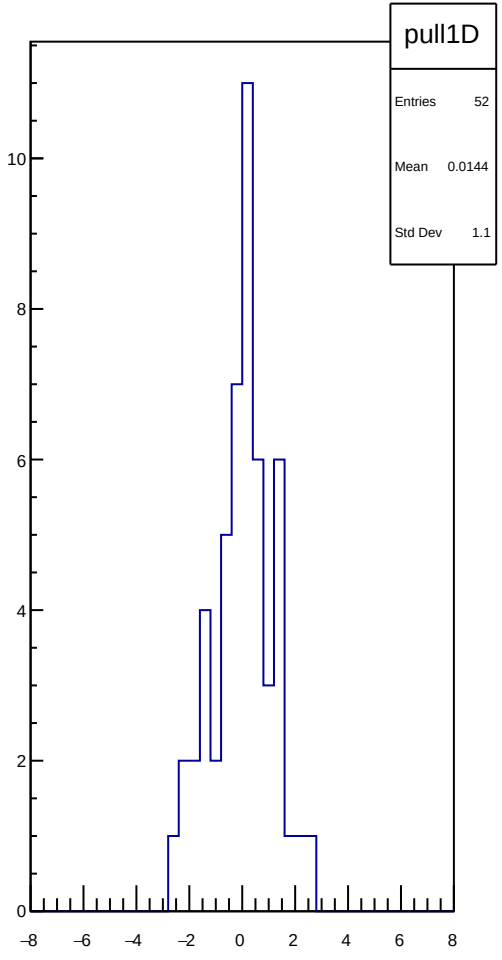

asym_sam1_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.191e+04 / 51
p0 28.22 ± 0.02801
42
40
38
36
34
32
30
28
26
24
22
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

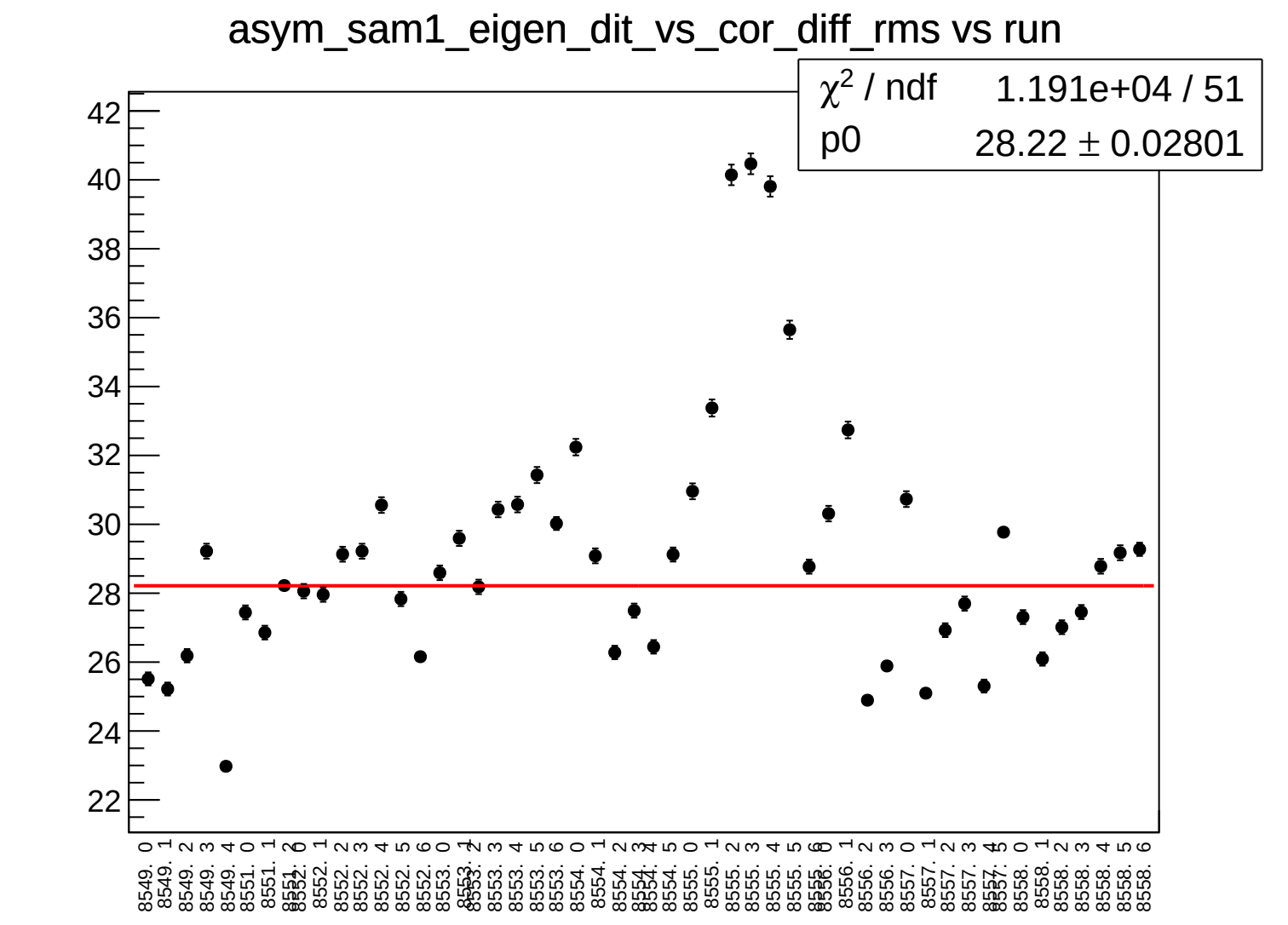

asym_sam1_eigen_dit_vs_dit_diff_mean vs run
×10⁻⁶
χ² / ndf 52.26 / 51
p0 1.058e−07 ± 2.905e−07
pull
Entries 52
Mean 86.92
Std Dev 0

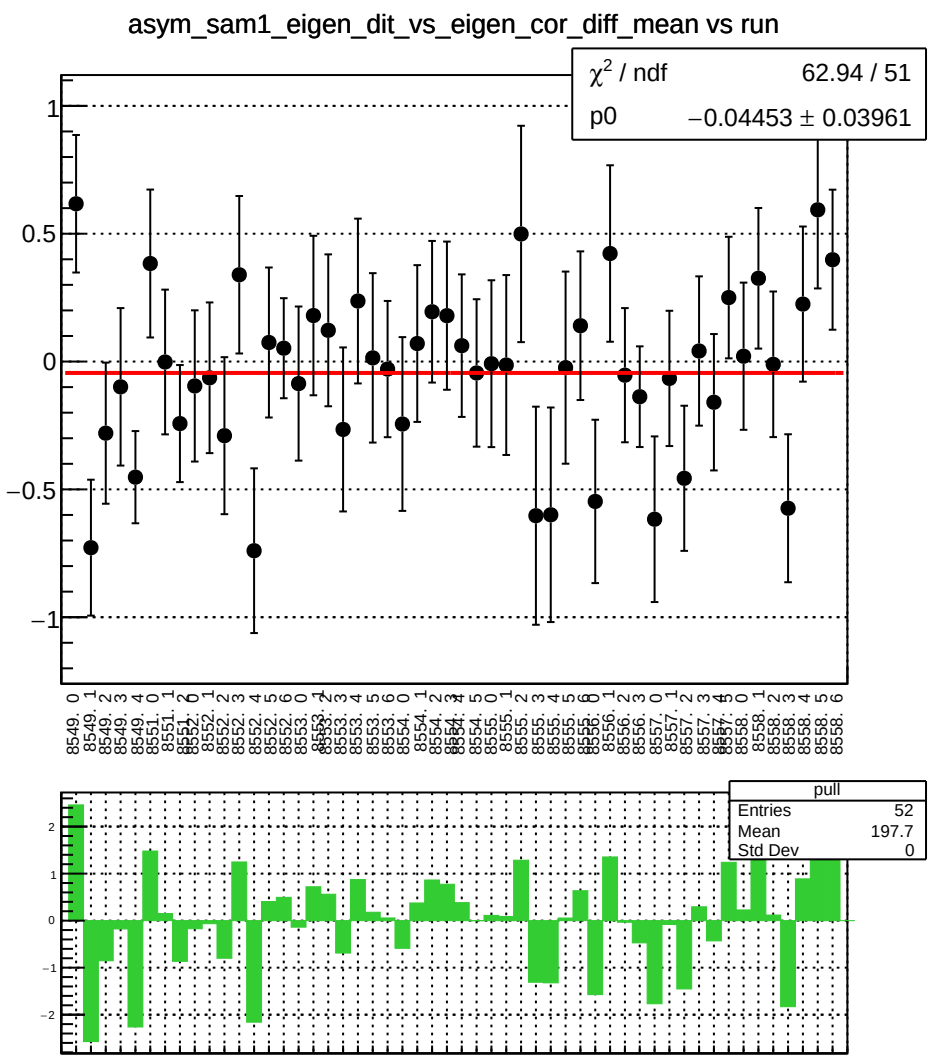

pull1D
Entries 52
Mean −0.01302
Std Dev 1.002

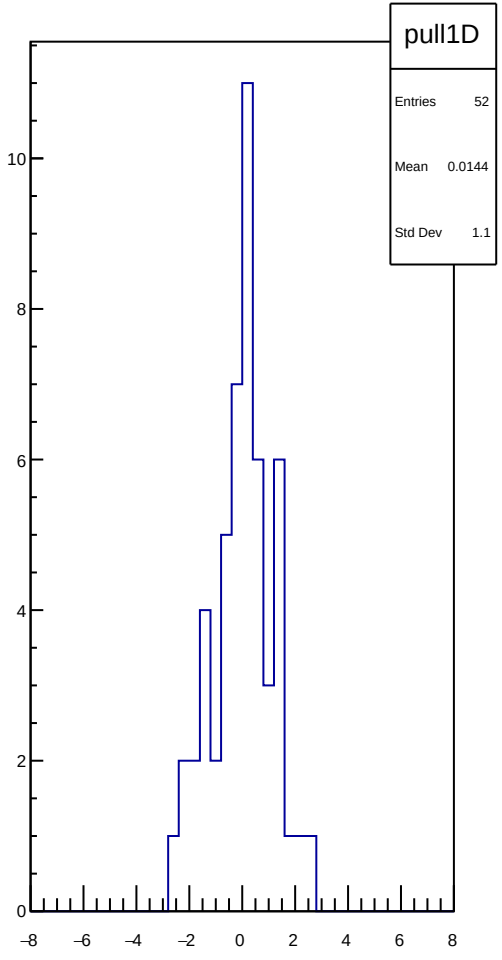

asym_sam1_eigen_dit_vs_dit_diff_rms vs run
×10⁻³
χ² / ndf 3230 / 51
p0 0.0002078 ± 2.054e−07
0.24
0.23
0.22
0.21
0.2
0.19
0.18
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

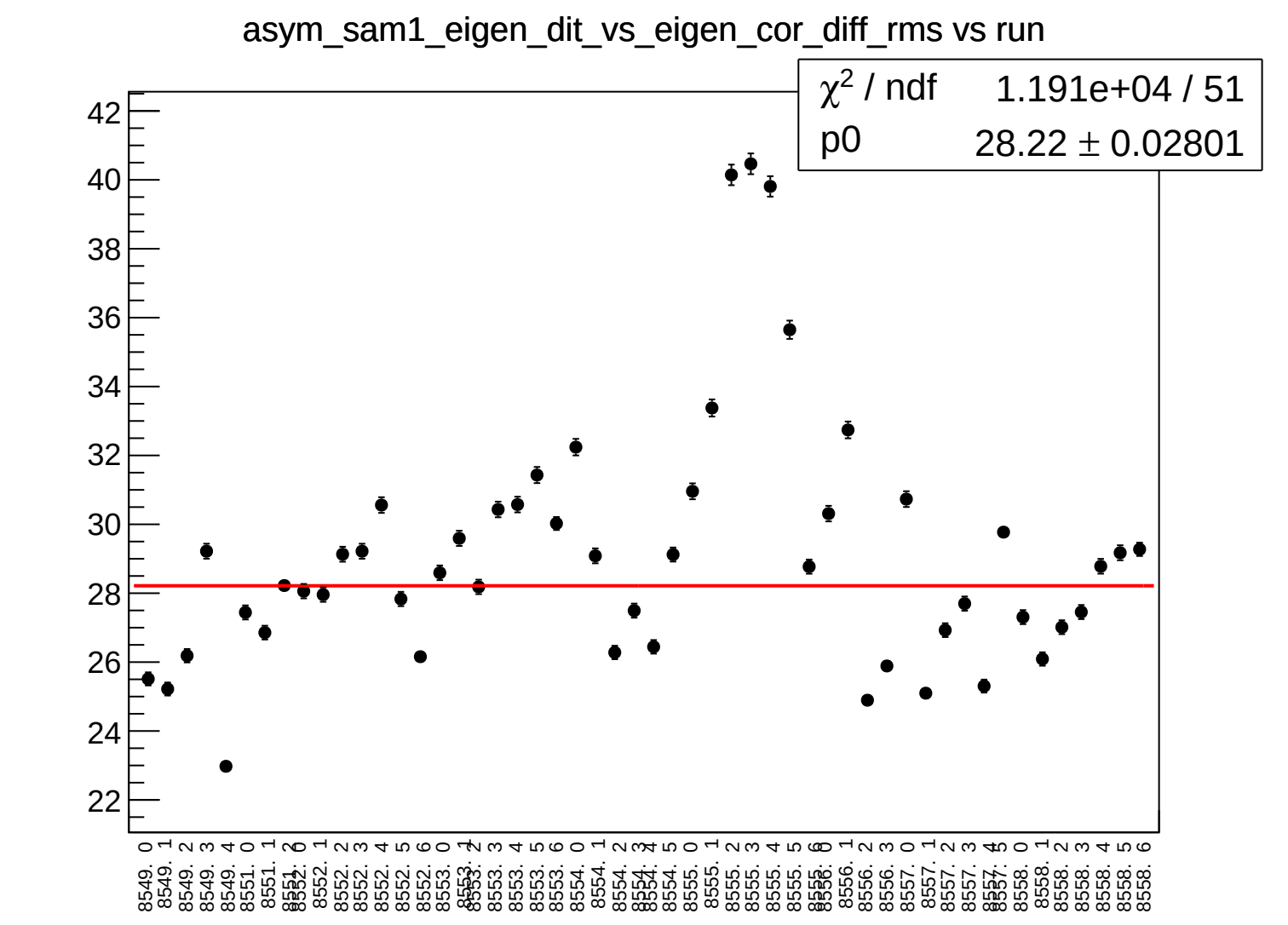

asym_sam1_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 62.94 / 51
p0 −0.04453 ± 0.03961
pull
Entries 52
Mean 197.7
Std Dev 0

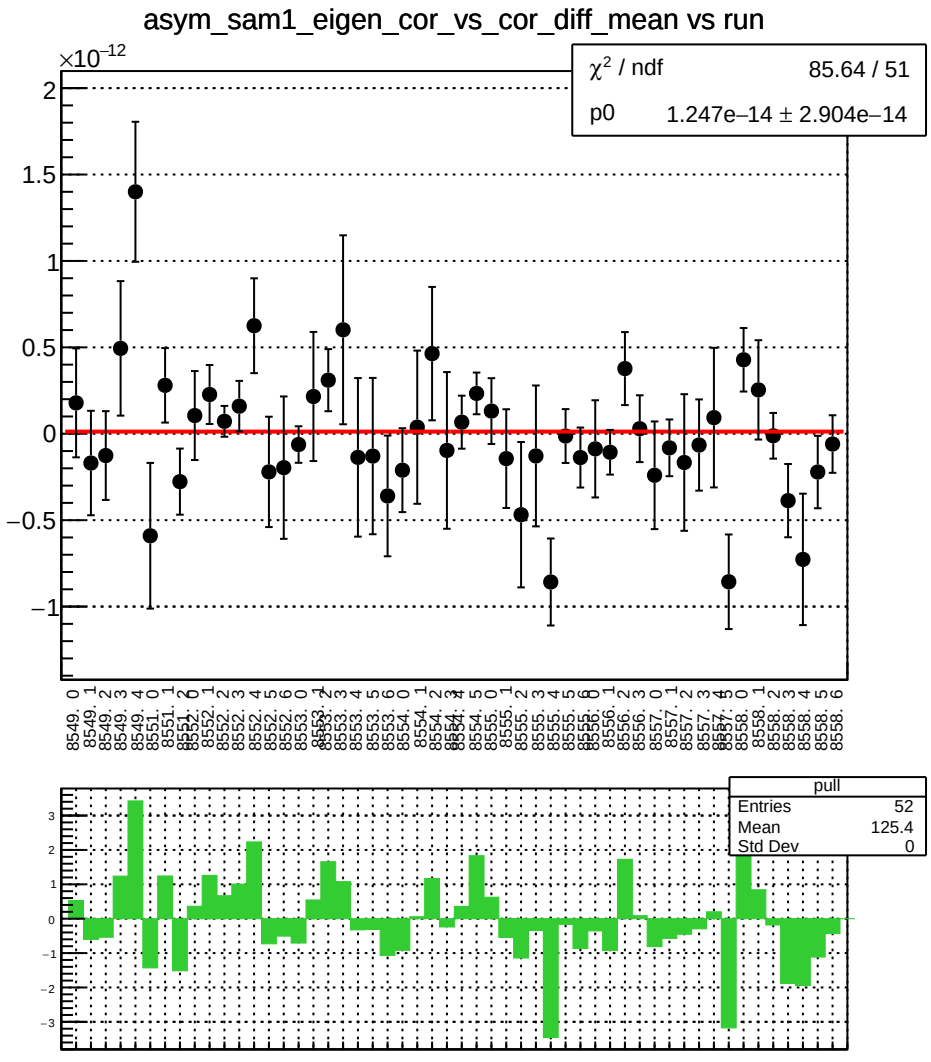

pull1D
Entries 52
Mean 0.0144
Std Dev 1.1

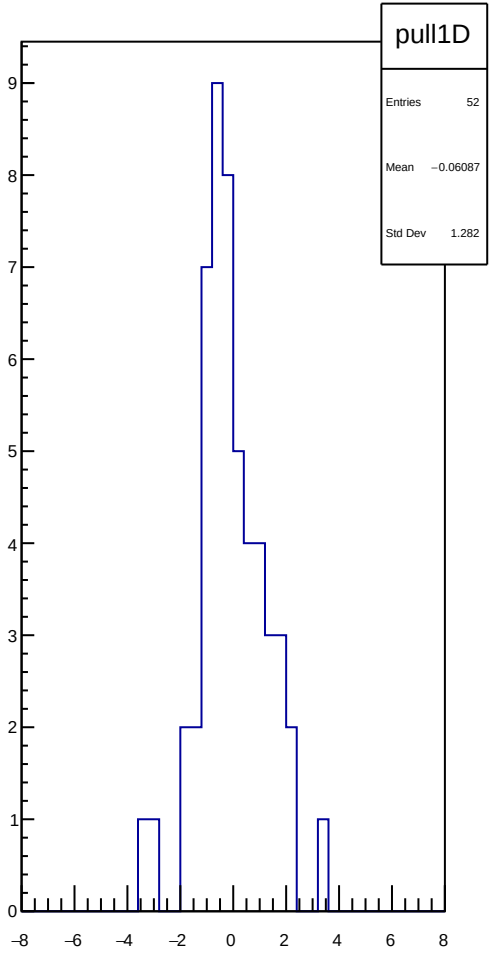

asym_sam1_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 1.191e+04 / 51
p0 28.22 ± 0.02801
42
40
38
36
34
32
30
28
26
24
22
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

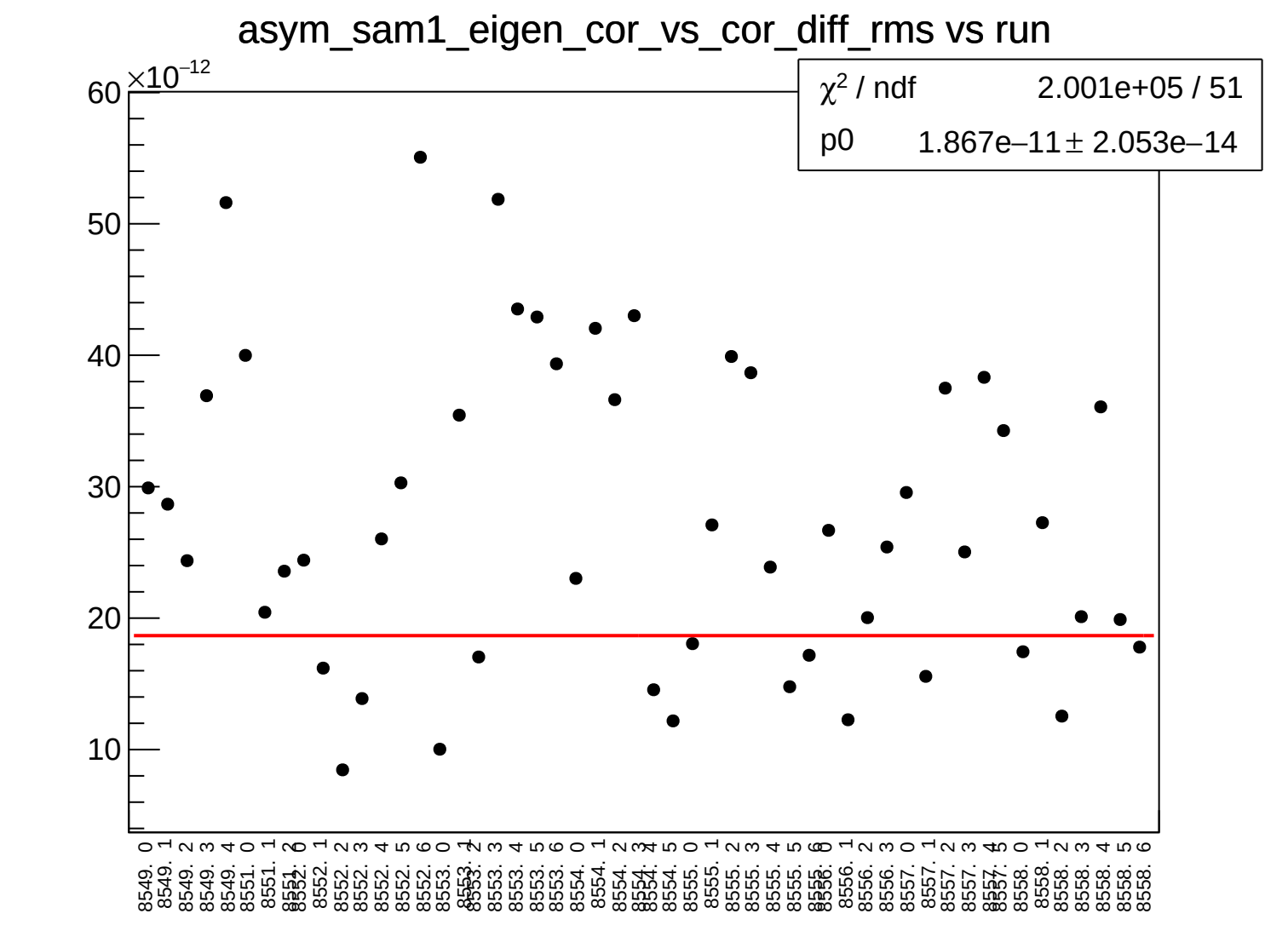

asym_sam1_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 62.94 / 51
p0 −0.04453 ± 0.03961
pull
Entries 52
Mean 197.7
Std Dev 0

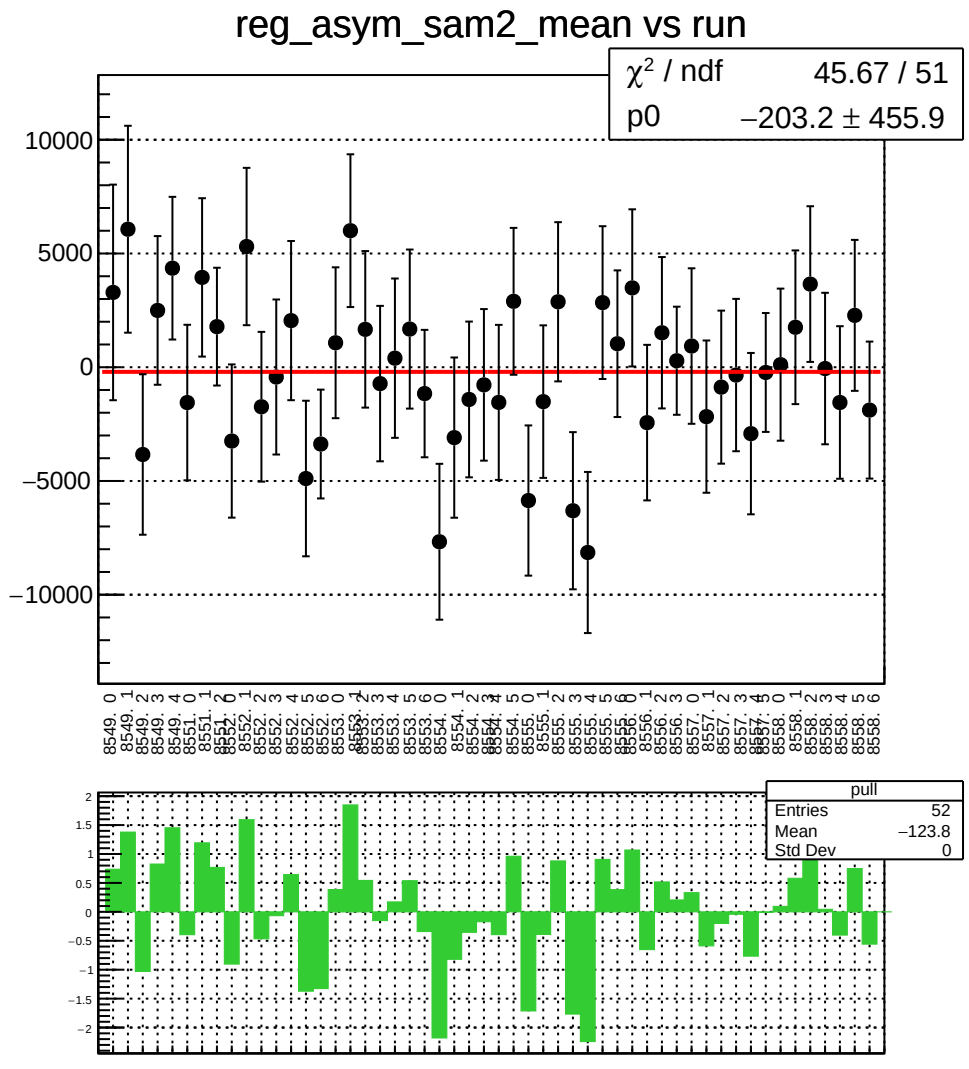

pull1D
Entries 52
Mean 0.0144
Std Dev 1.1

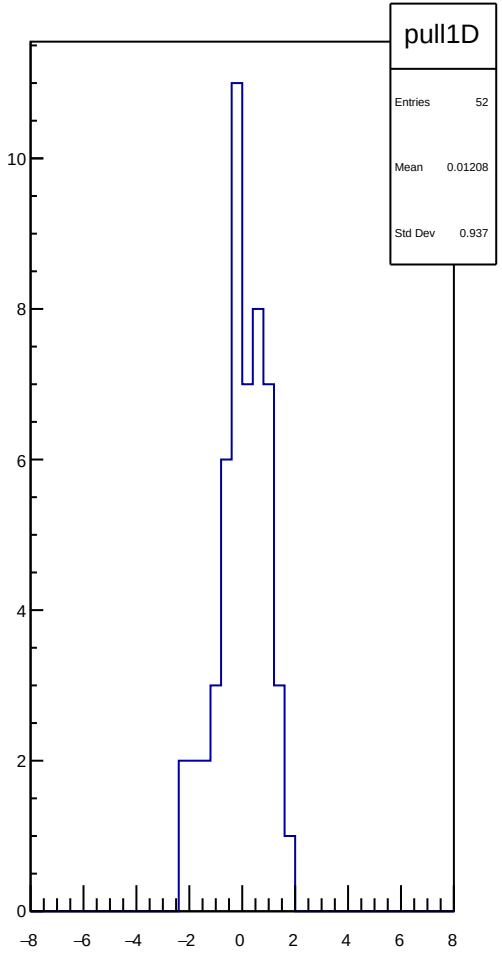

asym_sam1_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.191e+04 / 51
p0 28.22 ± 0.02801
42
40
38
36
34
32
30
28
26
24
22
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

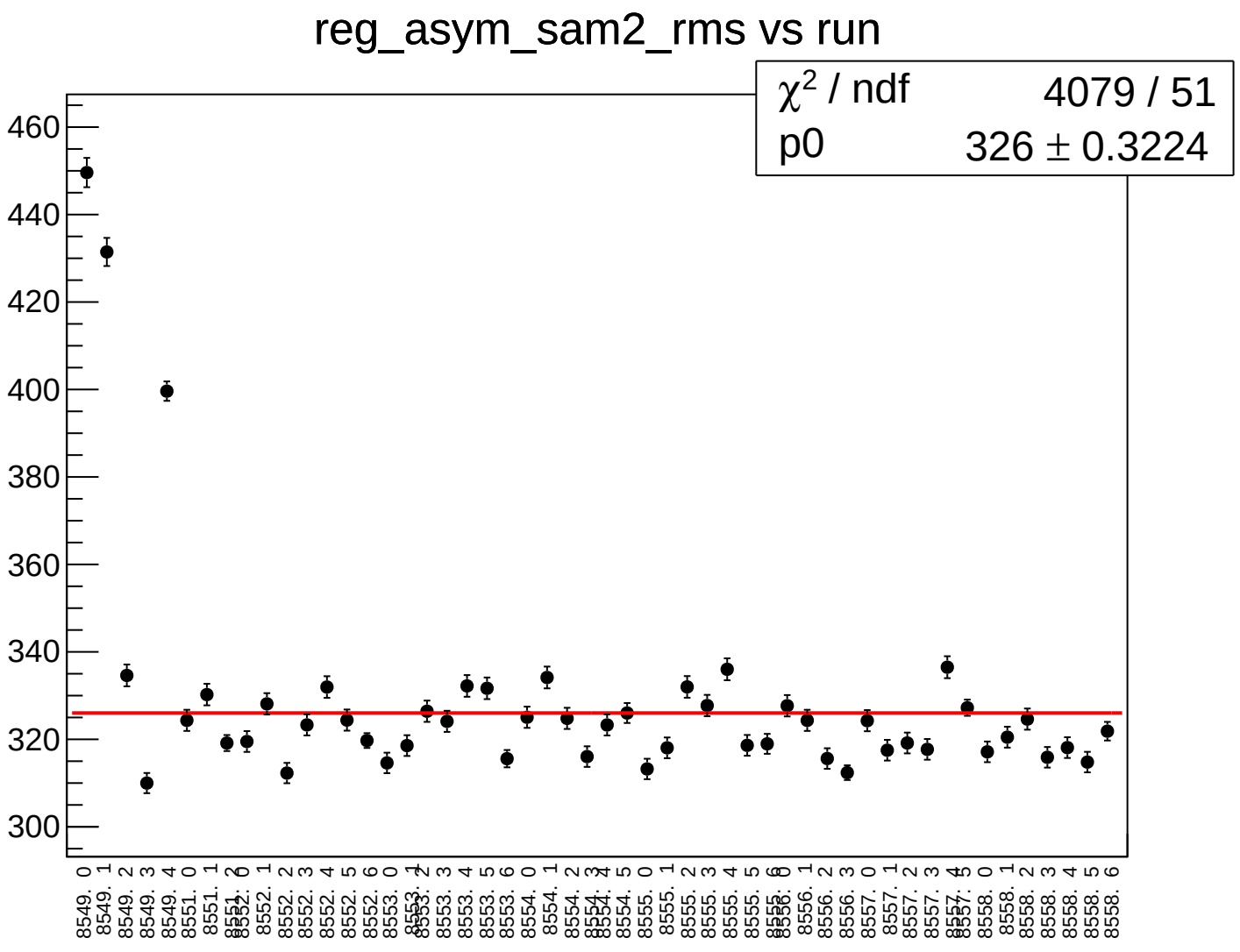

asym_sam1_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 85.64 / 51
p0 1.247e−14 ± 2.904e−14
pull
Entries 52
Mean 125.4
Std Dev 0

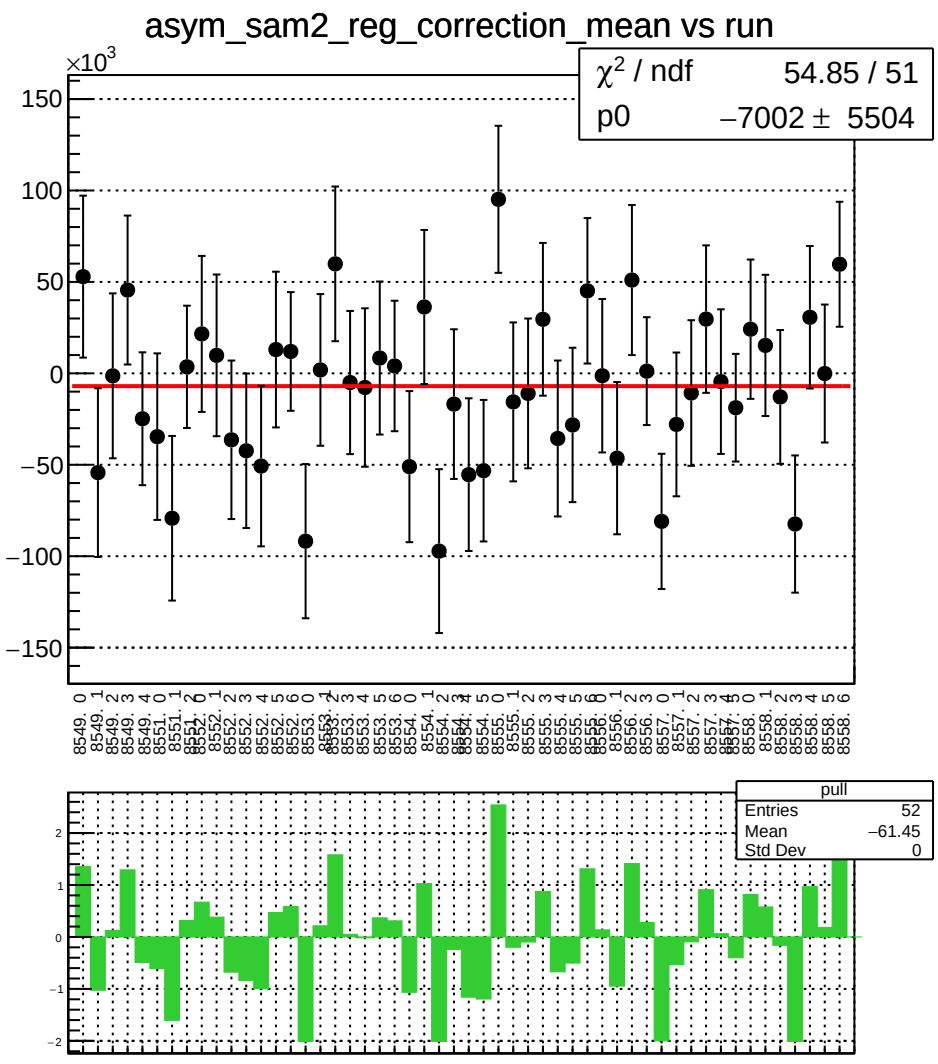

pull1D
Entries 52
Mean −0.06087
Std Dev 1.282

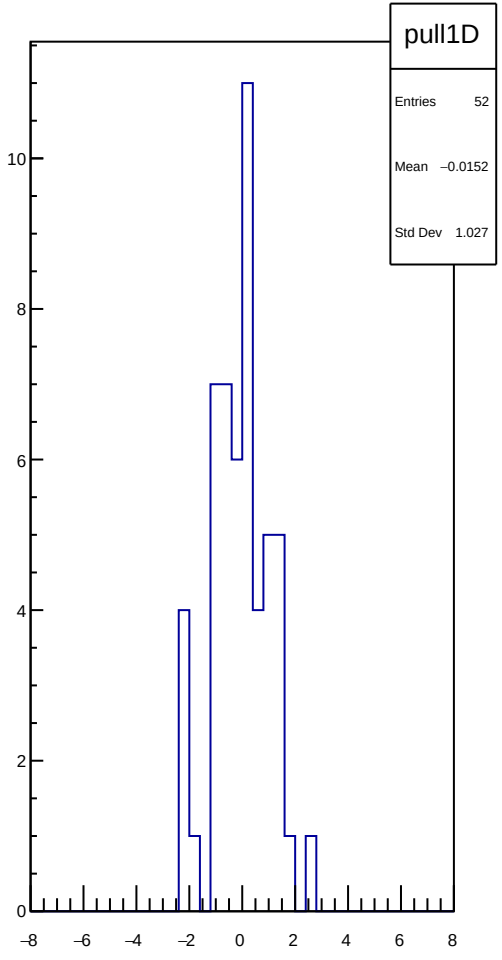

asym_sam1_eigen_cor_vs_cor_diff_rms vs run
×10⁻¹²
60
50
40
30
20
10
χ² / ndf 2.001e+05 / 51
p0 1.867e−11 ± 2.053e−14
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

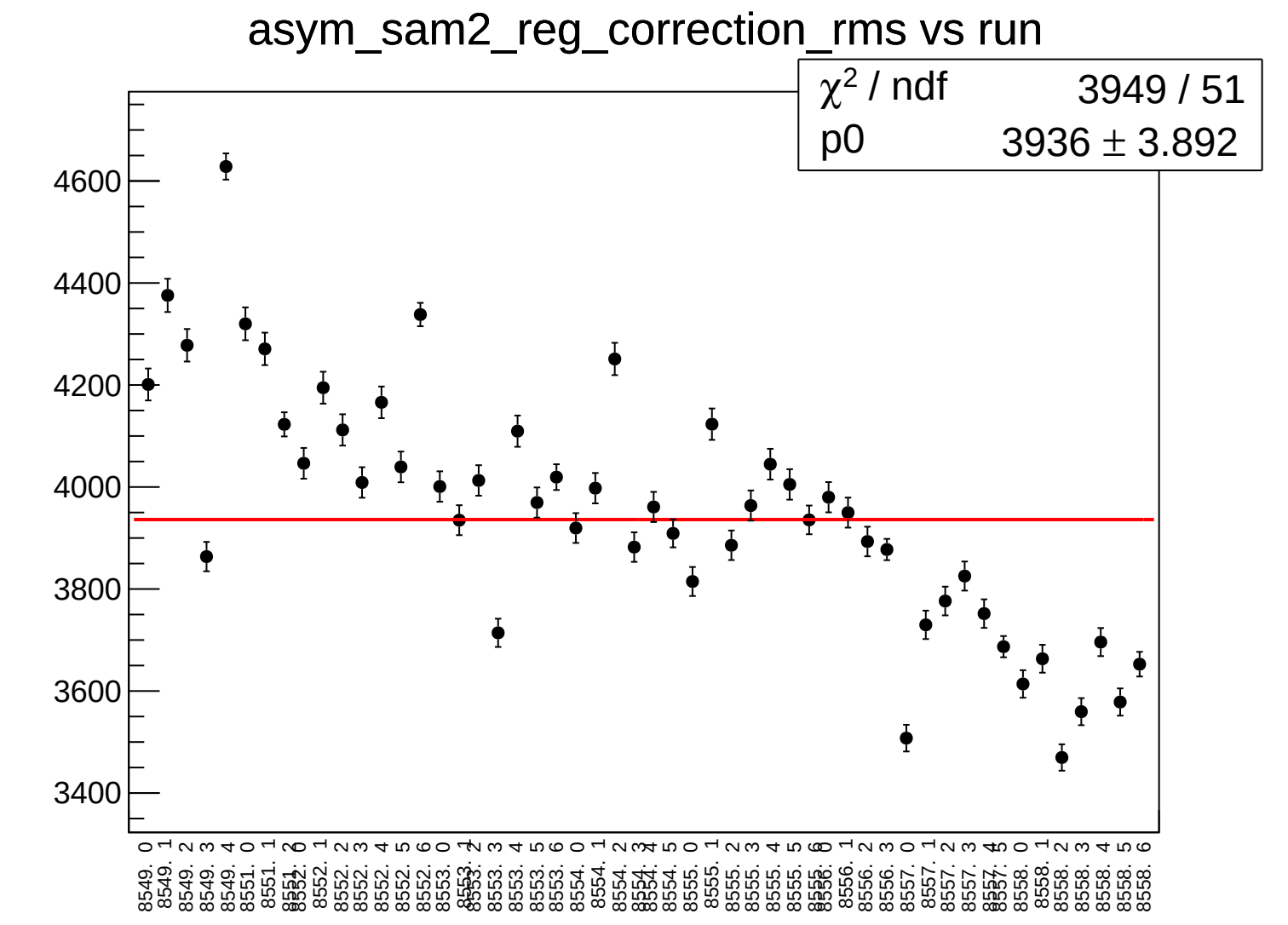

reg_asym_sam2_mean vs run
χ² / ndf 45.67 / 51
p0 −203.2 ± 455.9
10000
5000
0
−5000
−10000
pull
Entries 52
Mean −123.8
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2


pull1D
Entries 52
Mean 0.01208
Std Dev 0.937
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


reg_asym_sam2_rms vs run
χ² / ndf 4079 / 51
p0 326 ± 0.3224
460
440
420
400
380
360
340
320
300
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 5
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6


asym_sam2_reg_correction_mean vs run
×10^3
χ² / ndf 54.85 / 51
p0 −7002 ± 5504
150
100
50
0
−50
−100
−150
pull
Entries 52
Mean −61.45
Std Dev 0
2
1
0
−1
−2


pull1D
Entries 52
Mean −0.0152
Std Dev 1.027
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


asym_sam2_reg_correction_rms vs run
χ² / ndf 3949 / 51
p0 3936 ± 3.892
4600
4400
4200
4000
3800
3600
3400
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
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8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
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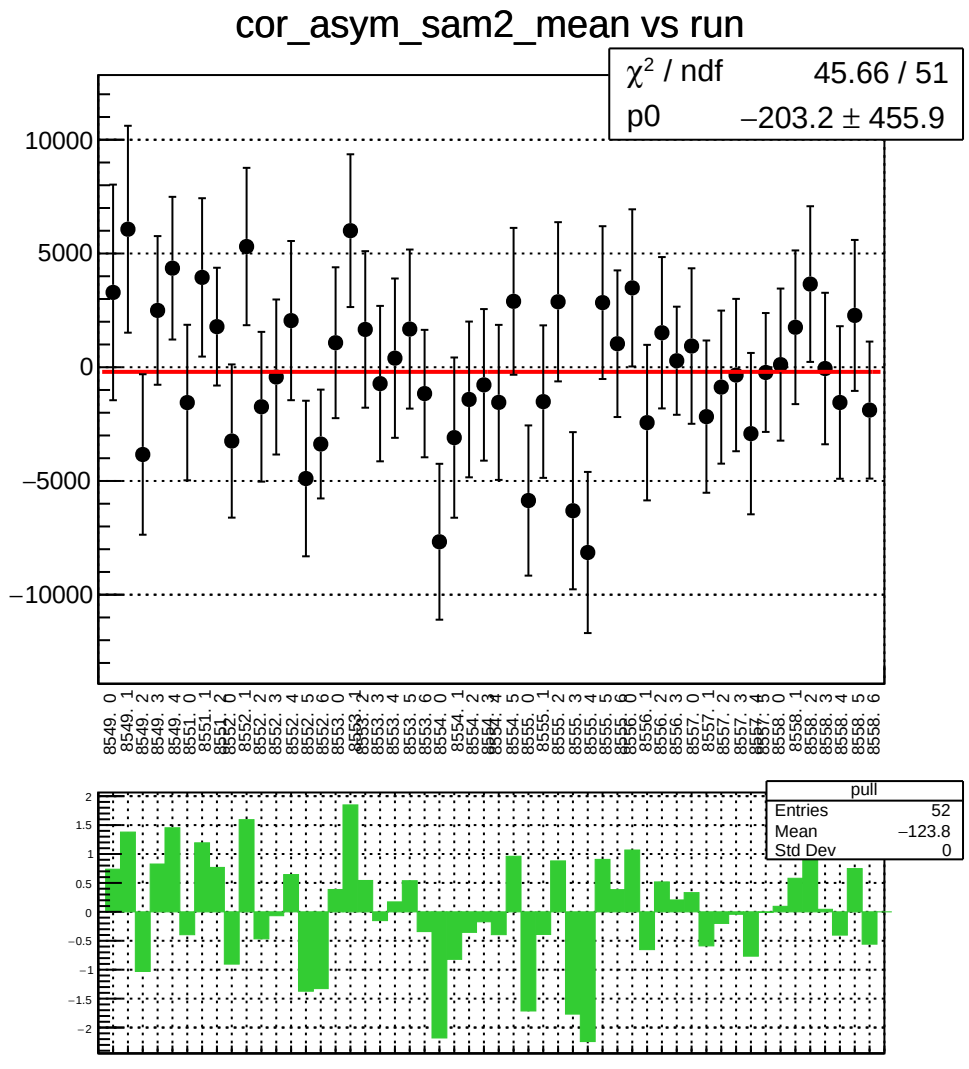
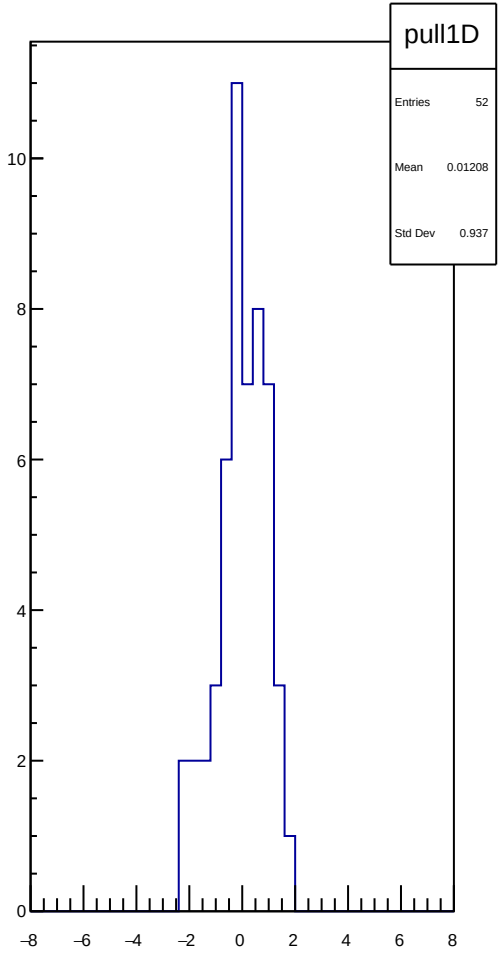
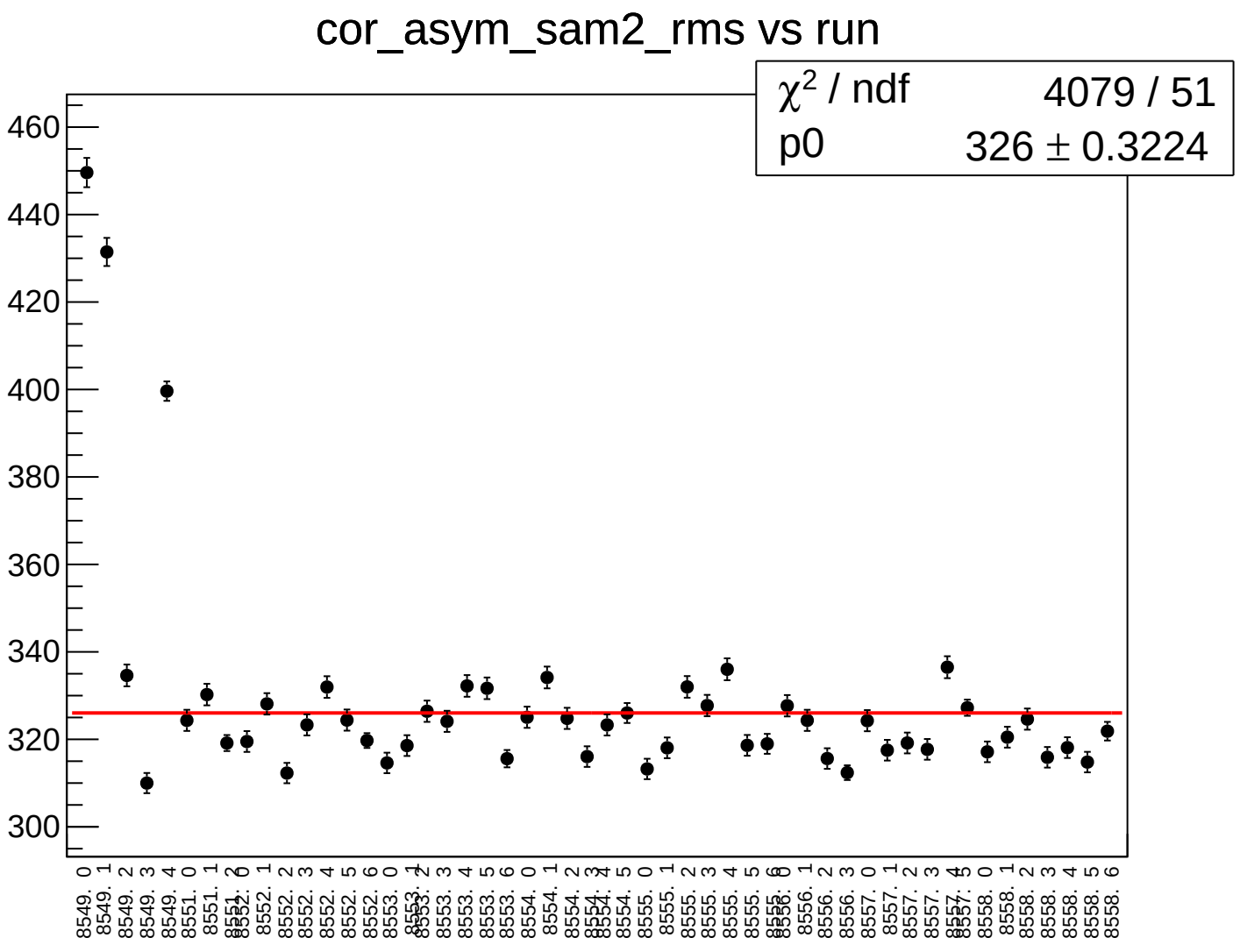
8558. 5
8558. 6


cor_asym_sam2_mean vs run
χ² / ndf 45.66 / 51
p0 −203.2 ± 455.9
10000
5000
0
−5000
−10000
pull
Entries 52
Mean −123.8
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2


pull1D
Entries 52
Mean 0.01208
Std Dev 0.937
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


cor_asym_sam2_rms vs run
χ² / ndf 4079 / 51
p0 326 ± 0.3224
460
440
420
400
380
360
340
320
300
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 5
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
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8557. 3
8558. 0
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8558. 2
8558. 3
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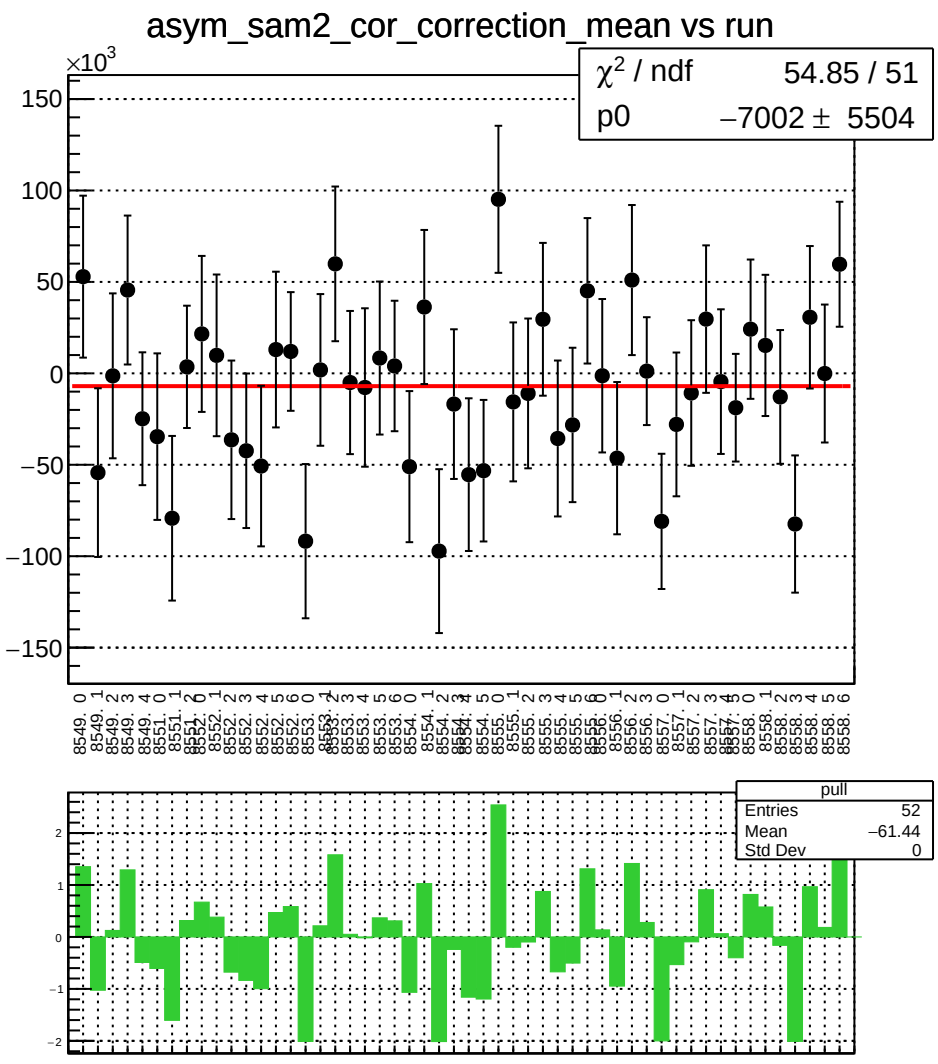
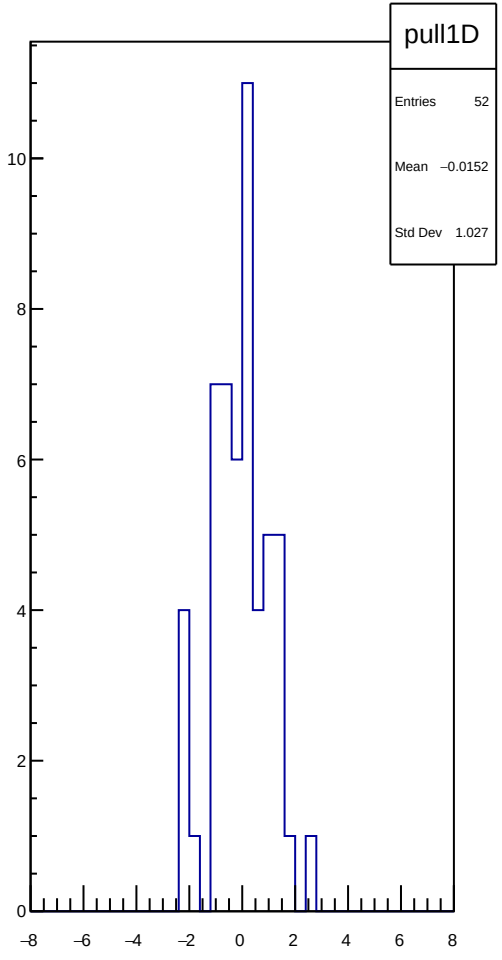
8558. 6


asym_sam2_cor_correction_mean vs run
×10^3
χ² / ndf 54.85 / 51
p0 −7002 ± 5504
150
100
50
0
−50
−100
−150
pull
Entries 52
Mean −61.44
Std Dev 0
2
1
0
−1
−2


pull1D
Entries 52
Mean −0.0152
Std Dev 1.027
10
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4
2
0
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−6
−4
−2
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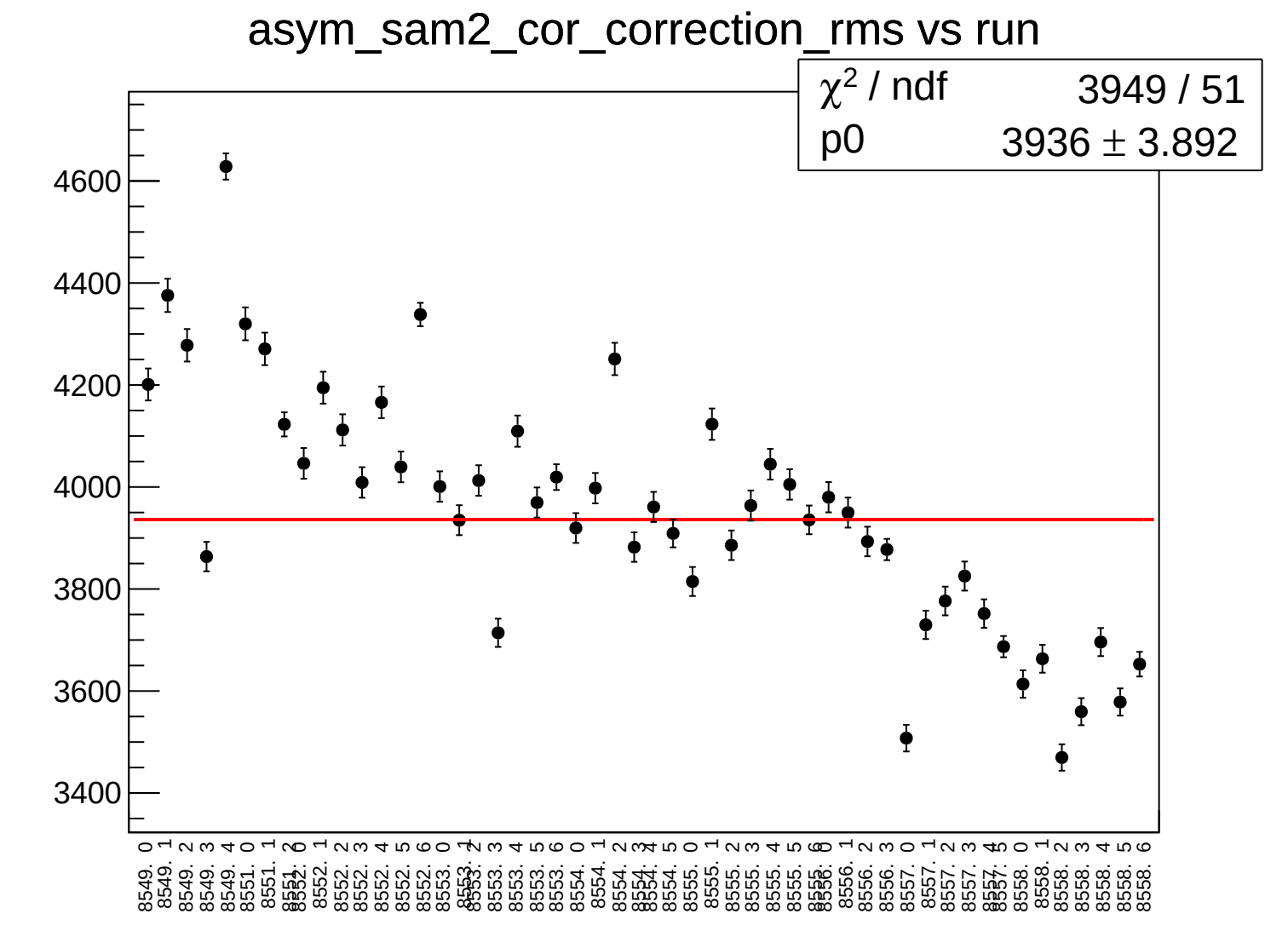
2
4
6
8


asym_sam2_cor_correction_rms vs run
χ² / ndf 3949 / 51
p0 3936 ± 3.892
4600
4400
4200
4000
3800
3600
3400
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
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8554. 2
8554. 5
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
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8556. 1
8556. 2
8556. 3
8557. 0
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8557. 3
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8558. 2
8558. 3
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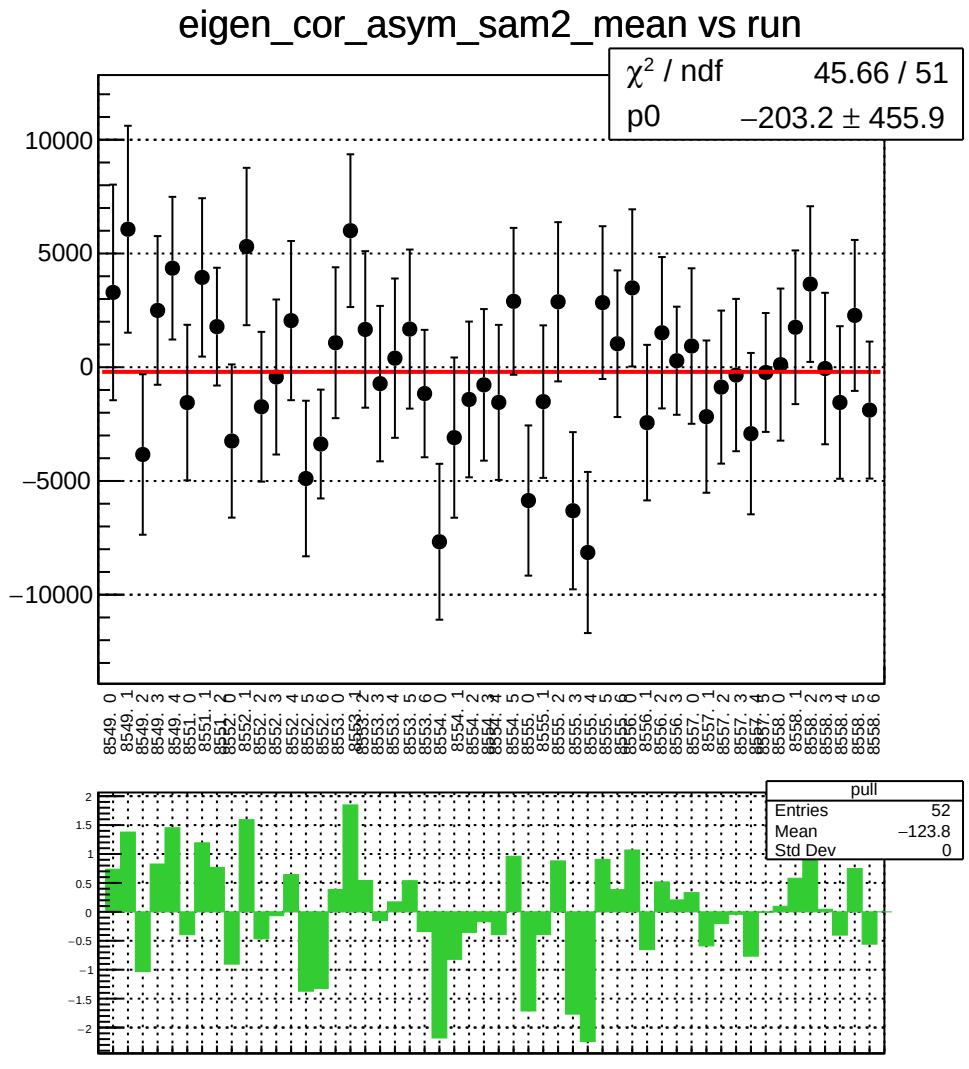
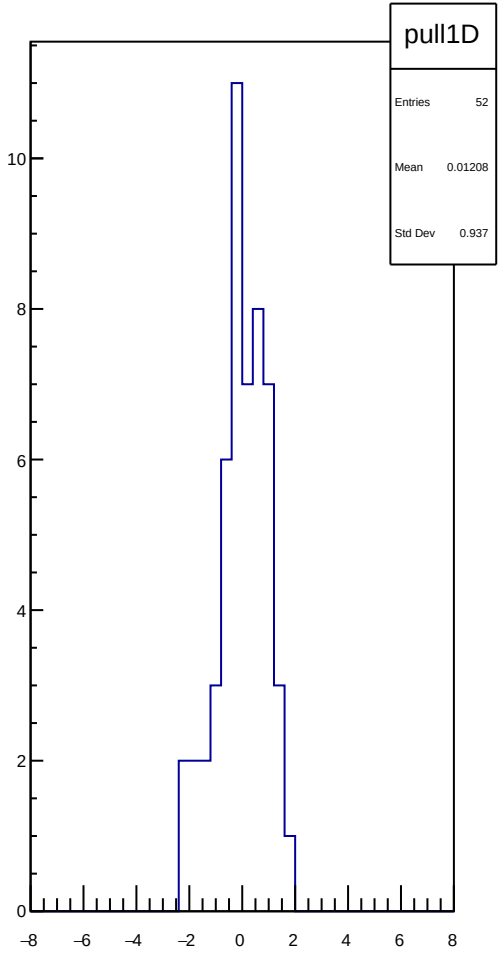
8558. 5
8558. 6


eigen_cor_asym_sam2_mean vs run
χ² / ndf 45.66 / 51
p0 −203.2 ± 455.9
10000
5000
0
−5000
−10000
pull
Entries 52
Mean −123.8
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2


pull1D
Entries 52
Mean 0.01208
Std Dev 0.937
10
8
6
4
2
0
−8
−6
−4
−2
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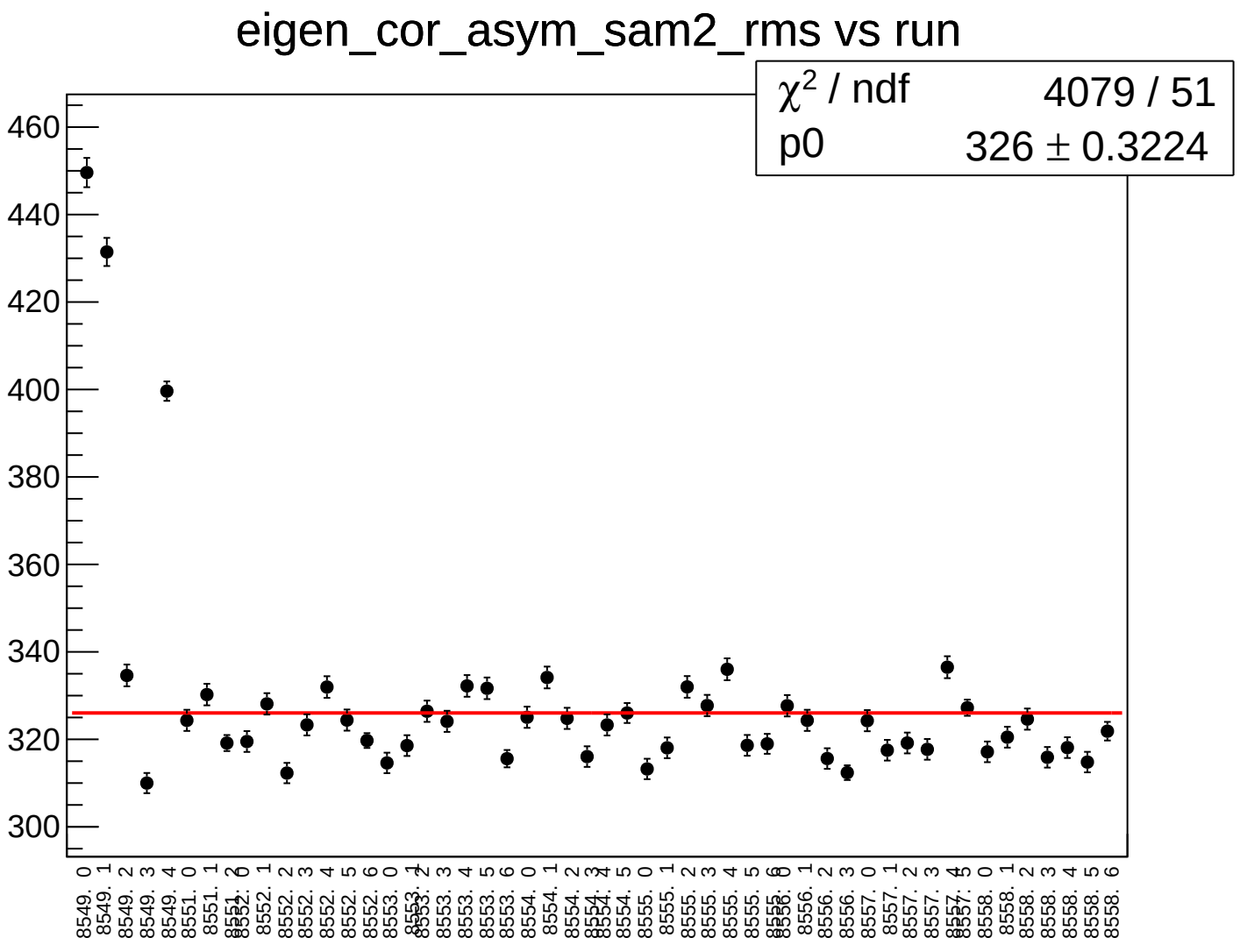
2
4
6
8


eigen_cor_asym_sam2_rms vs run
χ² / ndf 4079 / 51
p0 326 ± 0.3224
460
440
420
400
380
360
340
320
300
8549. 0
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8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
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8552. 6
8553. 0
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8553. 4
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8554. 0
8554. 1
8554. 2
8554. 5
8555. 0
8555. 1
8555. 2
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8555. 4
8555. 5
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8556. 3
8557. 0
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8557. 3
8558. 0
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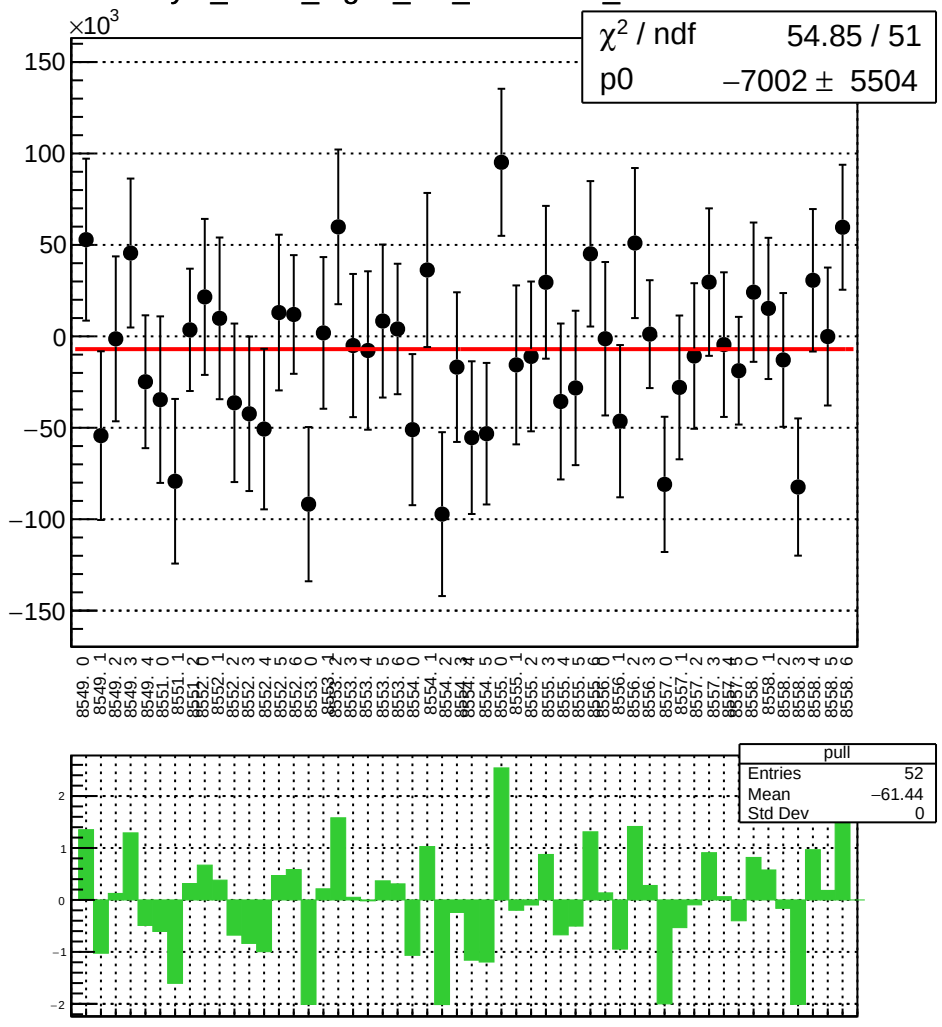
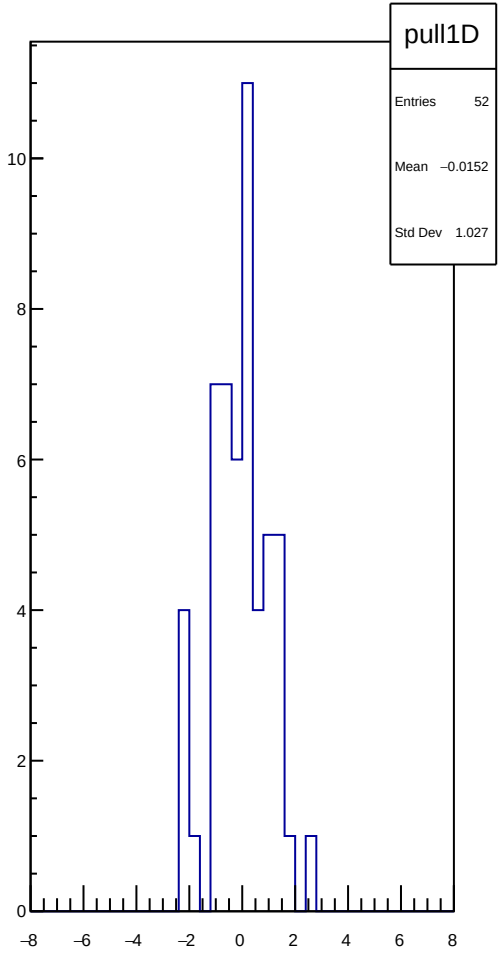
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6


asym_sam2_eigen_cor_correction_mean vs run
×10^3
χ² / ndf 54.85 / 51
p0 −7002 ± 5504
150
100
50
0
−50
−100
−150
pull
Entries 52
Mean −61.44
Std Dev 0
2
1
0
−1
−2


pull1D
Entries 52
Mean −0.0152
Std Dev 1.027
10
8
6
4
2
0
−8
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−4
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2
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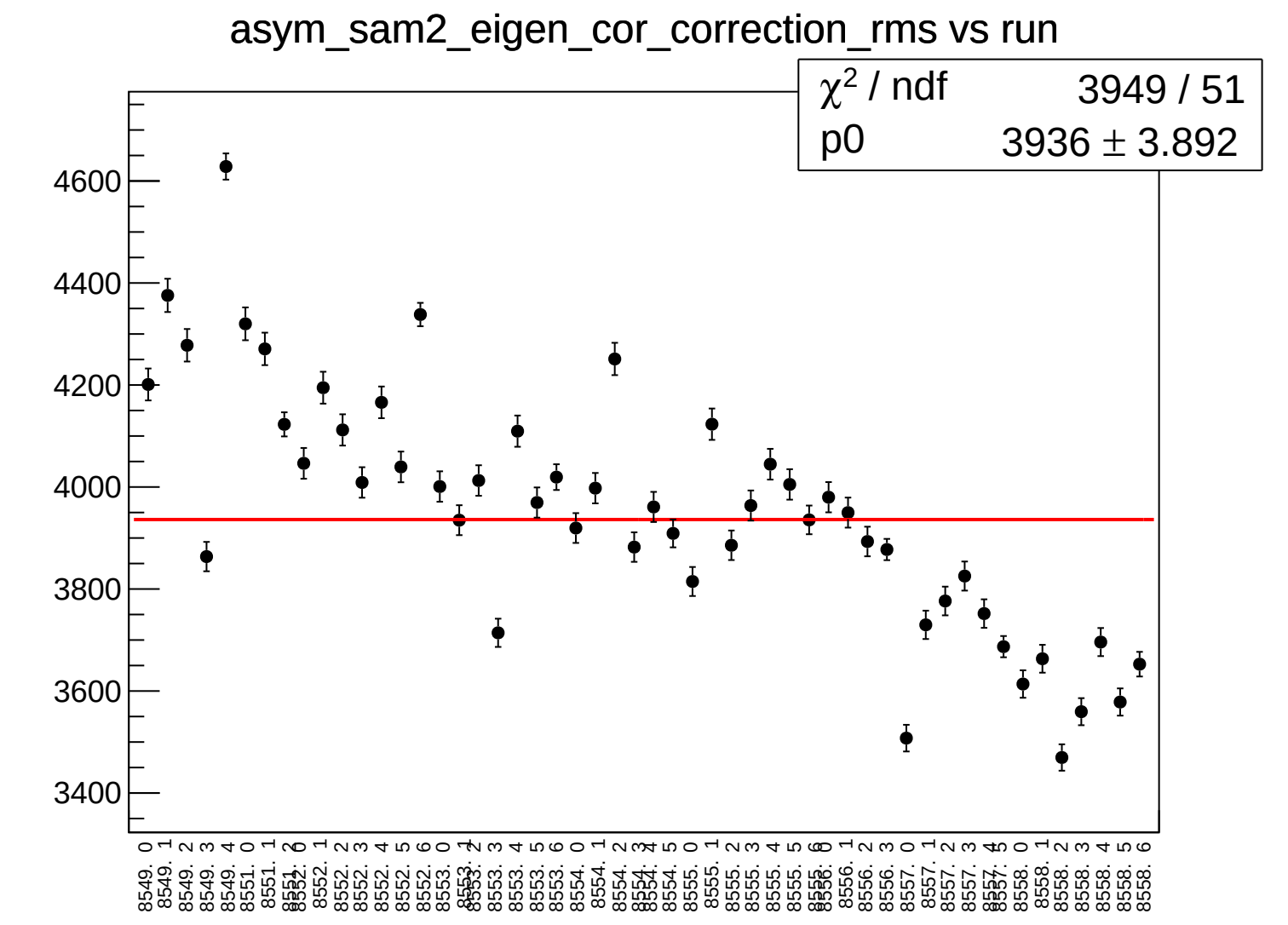
6
8


asym_sam2_eigen_cor_correction_rms vs run
χ² / ndf 3949 / 51
p0 3936 ± 3.892
4600
4400
4200
4000
3800
3600
3400
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
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8553. 6
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8554. 2
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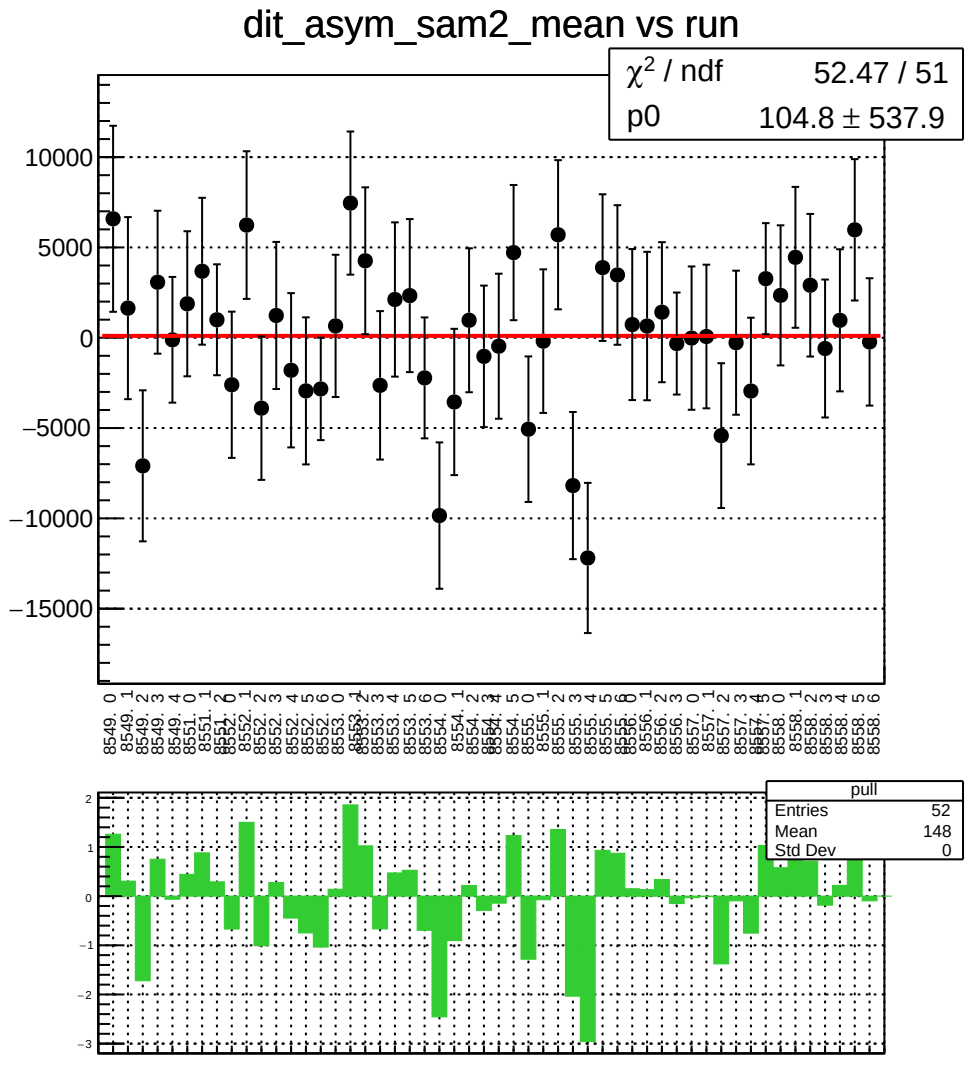
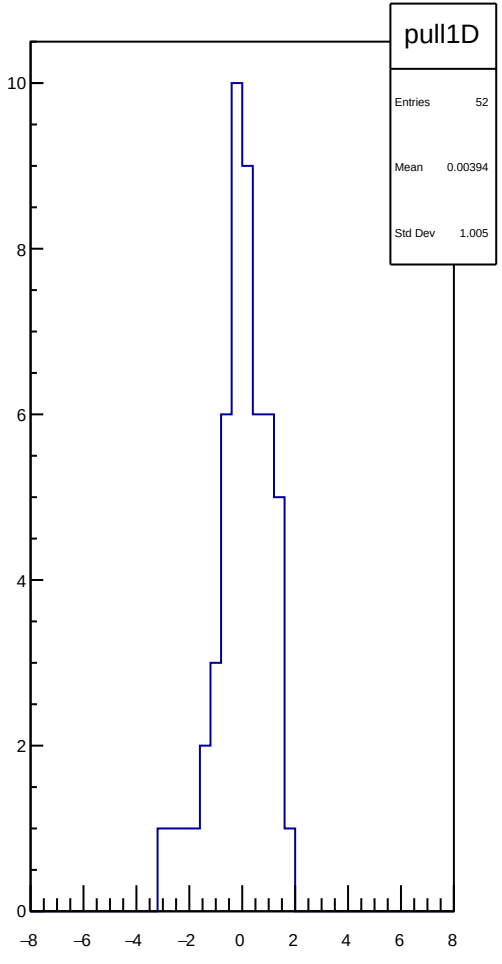
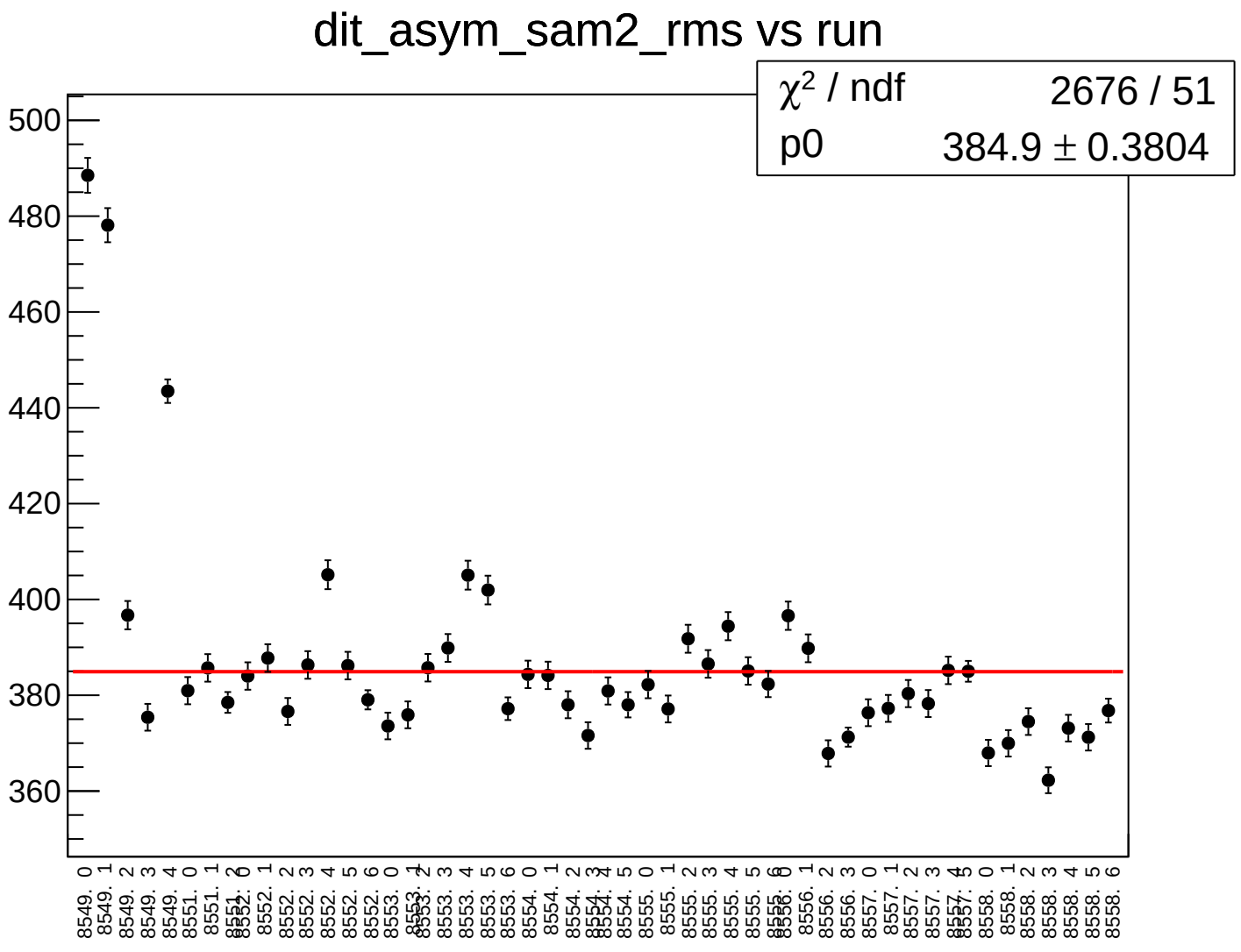
8558. 5
8558. 6


dit_asym_sam2_mean vs run
χ² / ndf 52.47 / 51
p0 104.8 ± 537.9
10000
5000
0
−5000
−10000
−15000
pull
Entries 52
Mean 148
Std Dev 0
2
1
0
−1
−2
−3


pull1D
Entries 52
Mean 0.00394
Std Dev 1.005
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


dit_asym_sam2_rms vs run
χ² / ndf 2676 / 51
p0 384.9 ± 0.3804
500
480
460
440
420
400
380
360
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
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8552. 4
8552. 5
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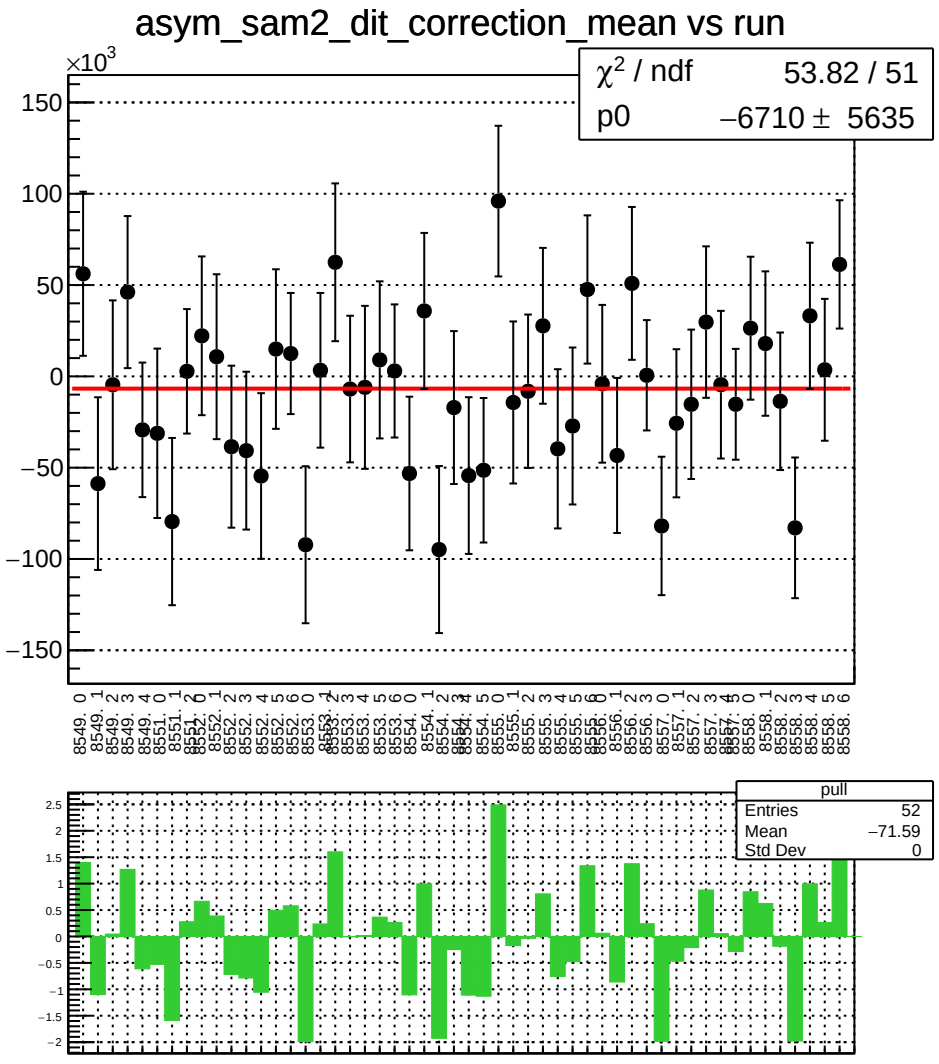
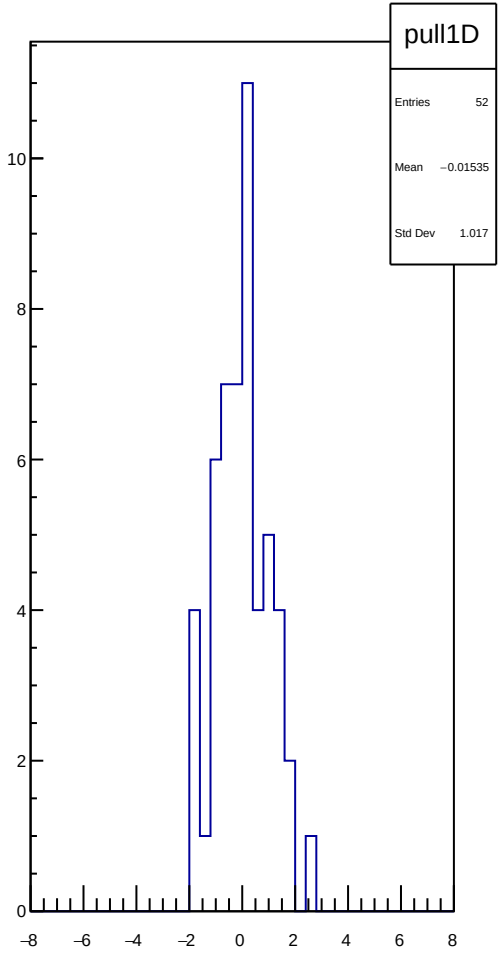
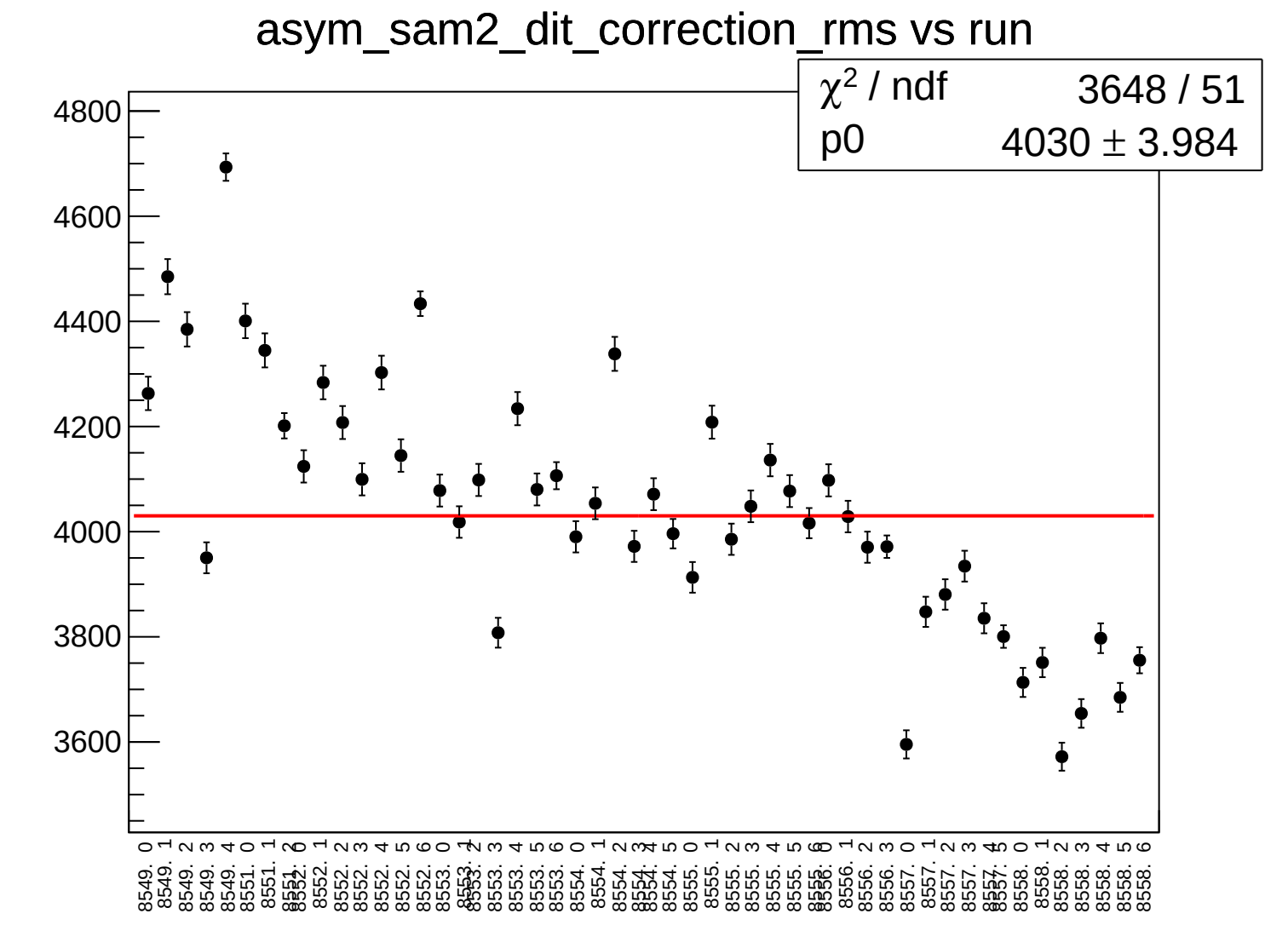
8558. 5
8558. 6


asym_sam2_dit_correction_mean vs run
×10^3
χ² / ndf 53.82 / 51
p0 −6710 ± 5635
150
100
50
0
−50
−100
−150
pull
Entries 52
Mean −71.59
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2


pull1D
Entries 52
Mean −0.01535
Std Dev 1.017
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


asym_sam2_dit_correction_rms vs run
χ² / ndf 3648 / 51
p0 4030 ± 3.984
4800
4600
4400
4200
4000
3800
3600
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
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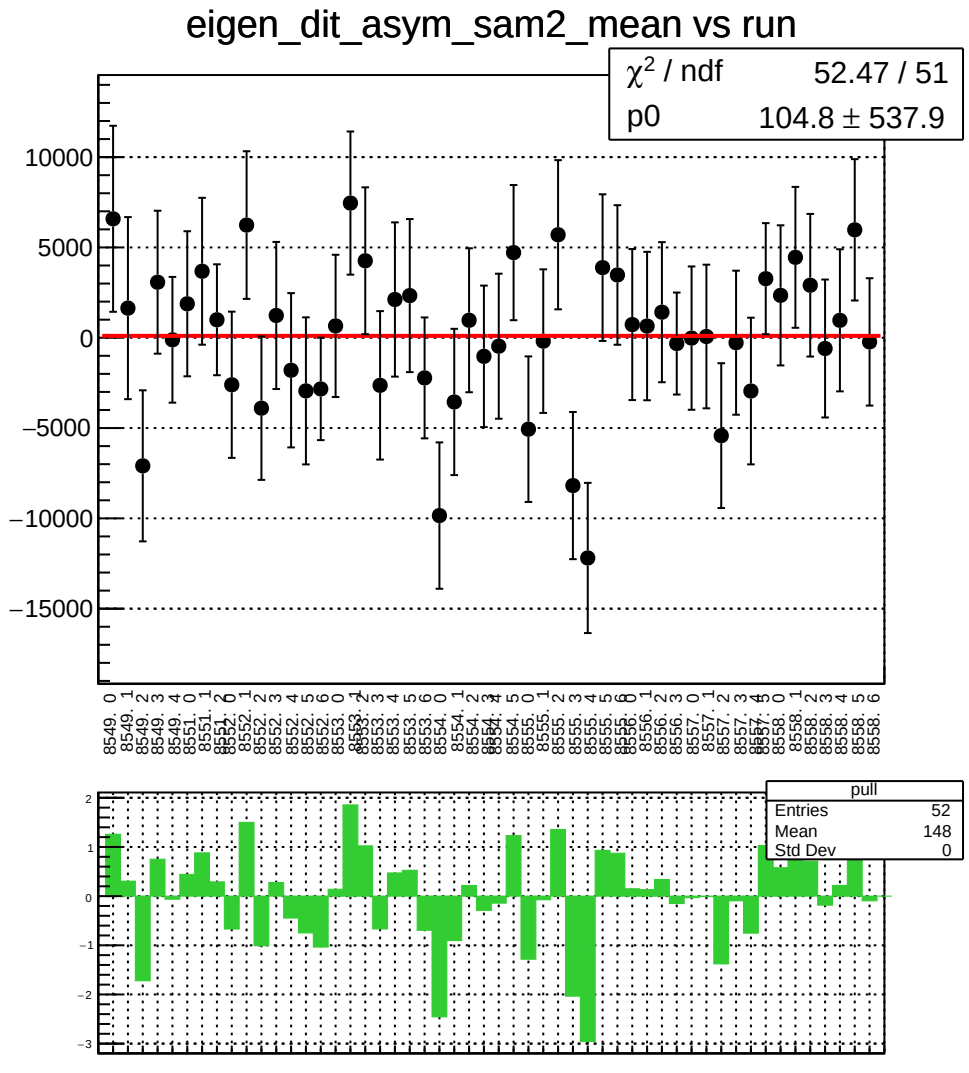
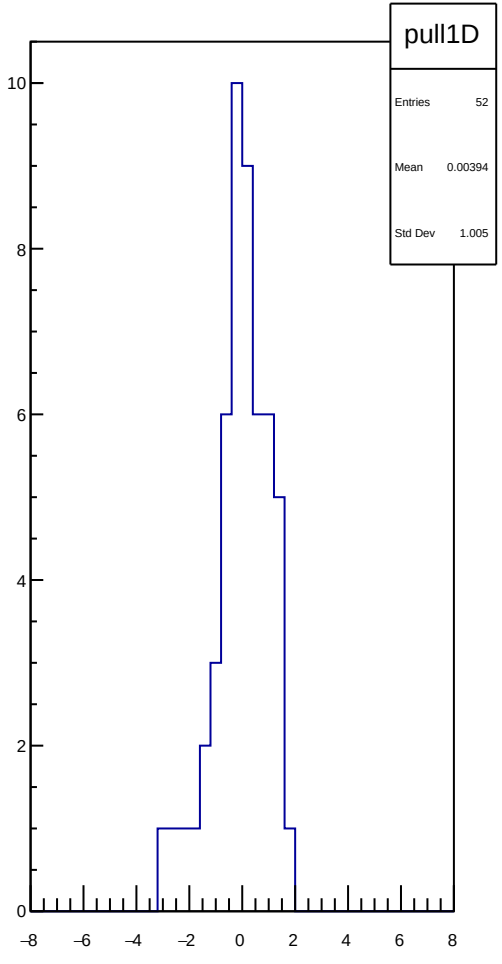
8558. 6


eigen_dit_asym_sam2_mean vs run
χ² / ndf 52.47 / 51
p0 104.8 ± 537.9
10000
5000
0
−5000
−10000
−15000
pull
Entries 52
Mean 148
Std Dev 0
2
1
0
−1
−2
−3


pull1D
Entries 52
Mean 0.00394
Std Dev 1.005
10
8
6
4
2
0
−8
−6
−4
−2
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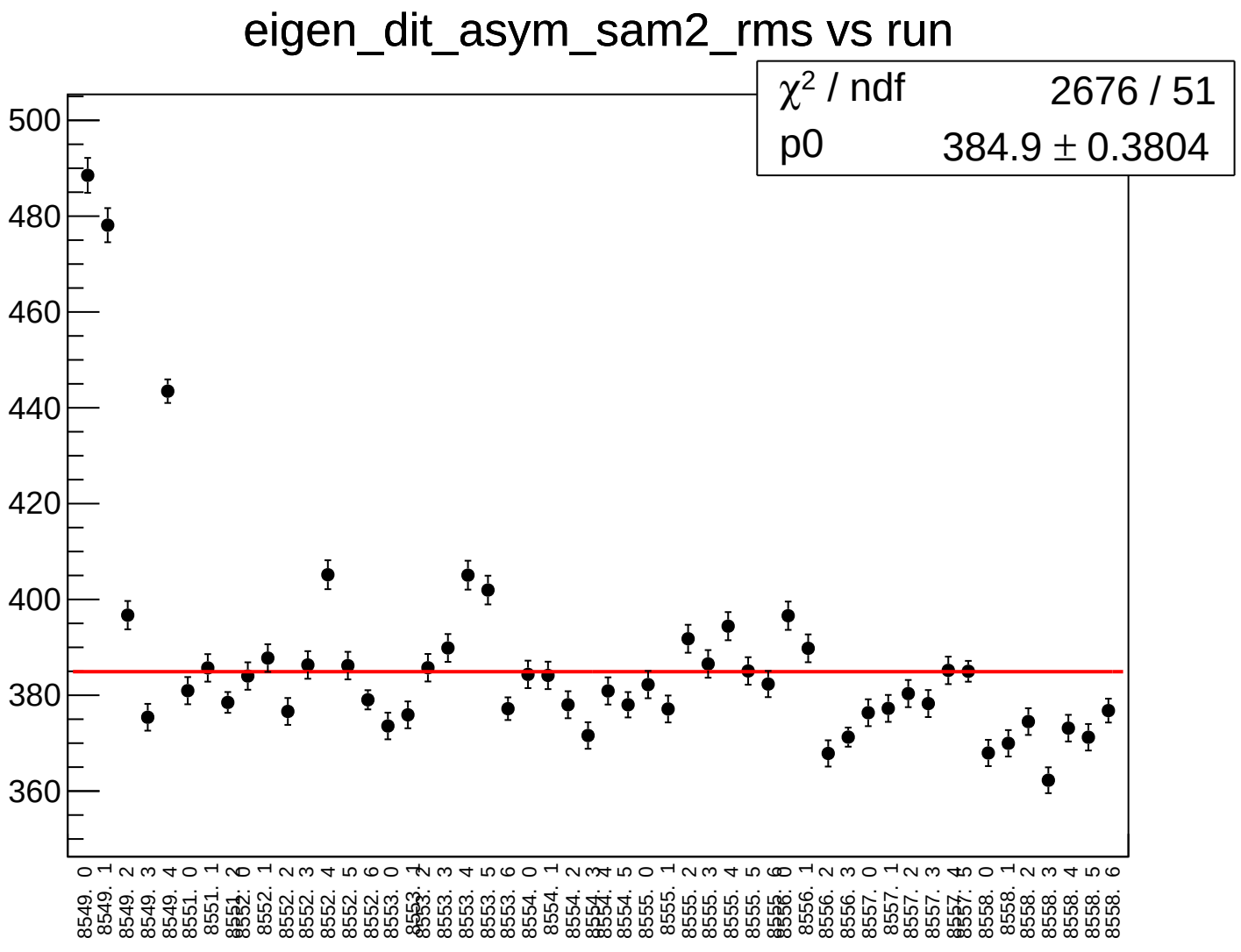
2
4
6
8


eigen_dit_asym_sam2_rms vs run
χ² / ndf 2676 / 51
p0 384.9 ± 0.3804
500
480
460
440
420
400
380
360
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
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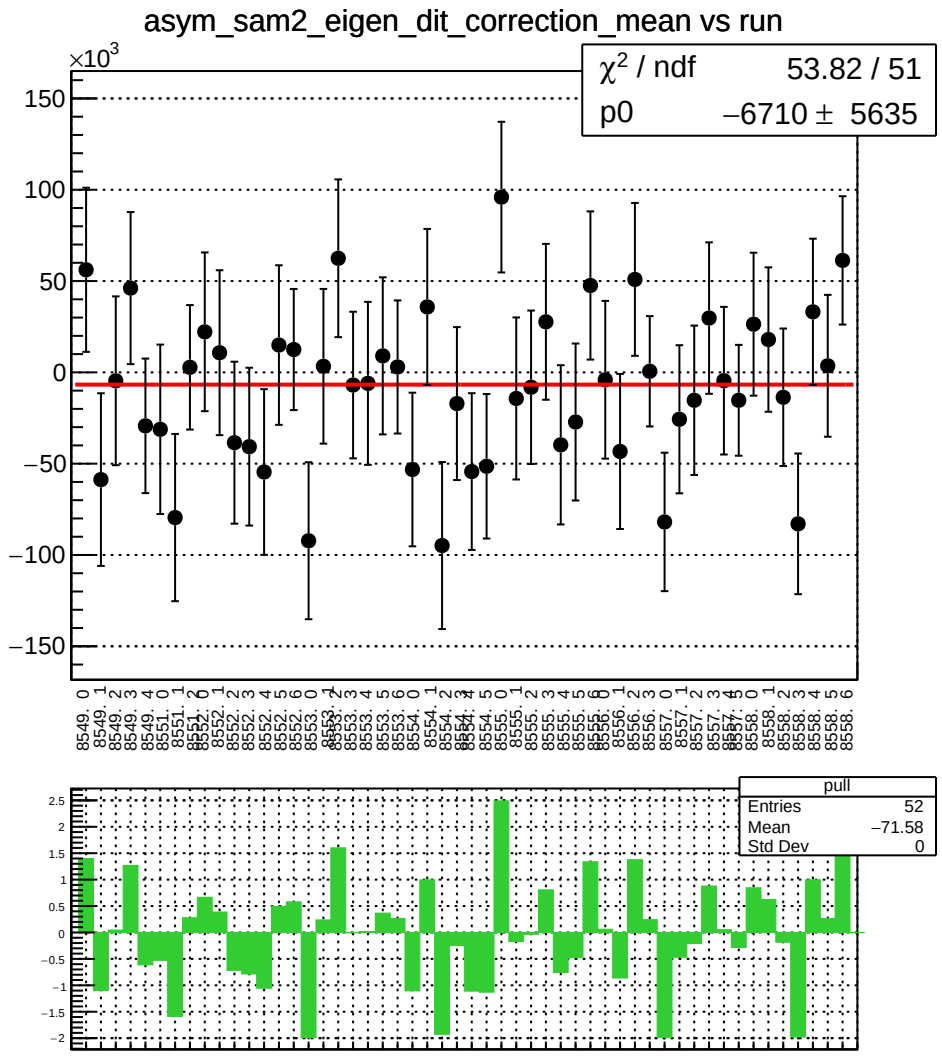
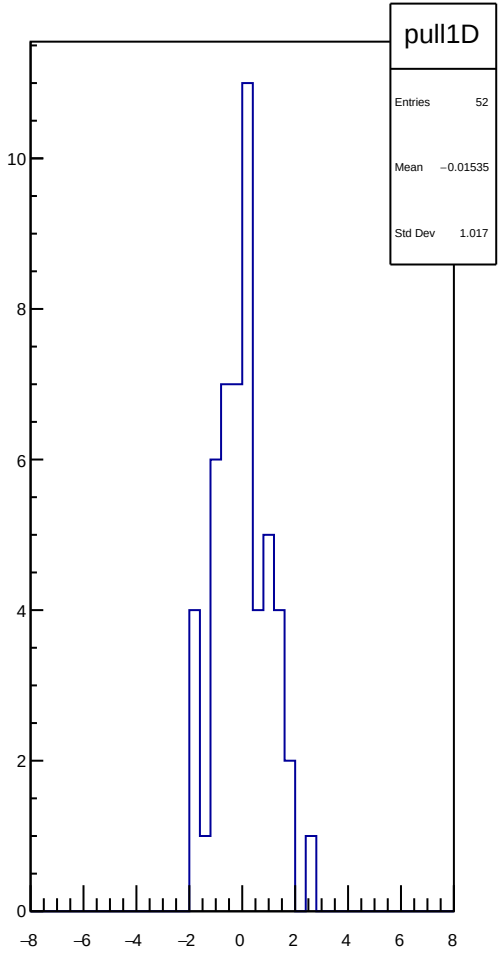
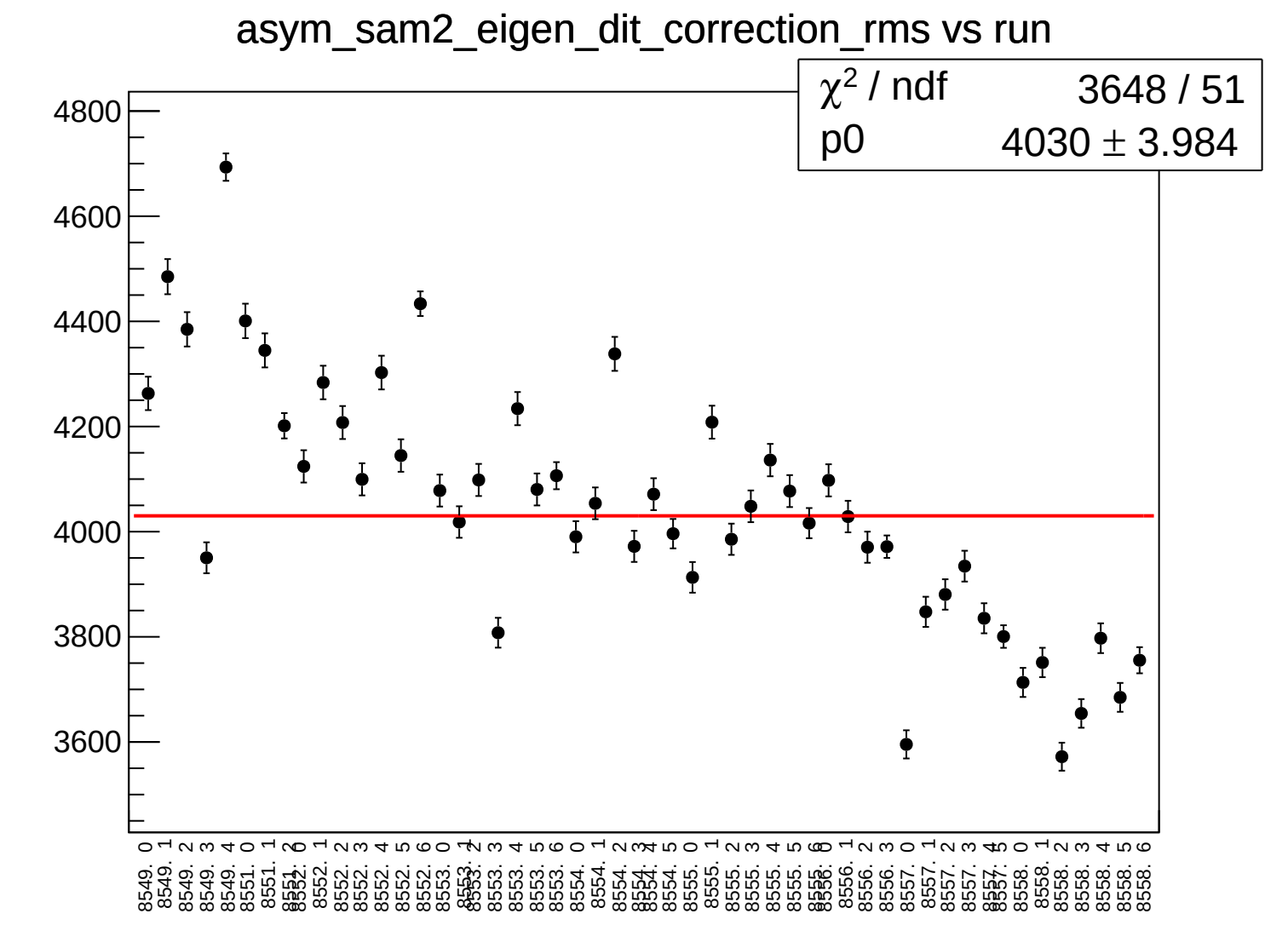
8558. 4
8558. 5
8558. 6


asym_sam2_eigen_dit_correction_mean vs run
×10^3
χ² / ndf 53.82 / 51
p0 −6710 ± 5635
150
100
50
0
−50
−100
−150
pull
Entries 52
Mean −71.58
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2


pull1D
Entries 52
Mean −0.01535
Std Dev 1.017
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 3648 / 51
p0 4030 ± 3.984
4800
4600
4400
4200
4000
3800
3600
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
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8558. 1
8558. 2
8558. 3
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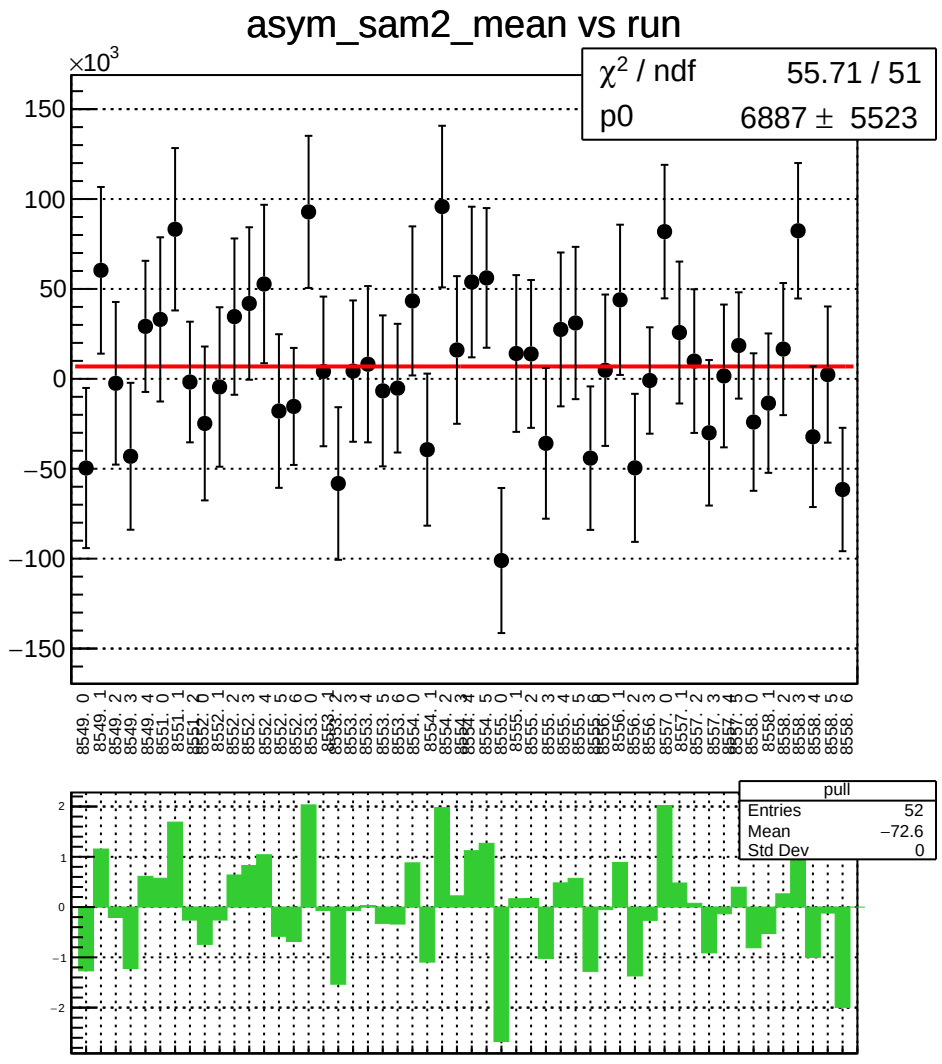
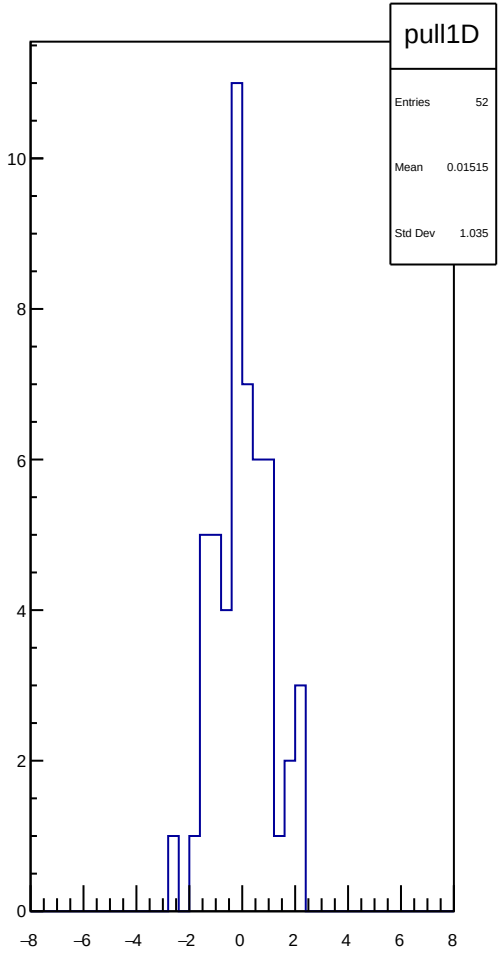
8558. 5
8558. 6


asym_sam2_mean vs run
×10^3
χ² / ndf 55.71 / 51
p0 6887 ± 5523
150
100
50
0
−50
−100
−150
pull
Entries 52
Mean −72.6
Std Dev 0
2
1
0
−1
−2


pull1D
Entries 52
Mean 0.01515
Std Dev 1.035
10
8
6
4
2
0
−8
−6
−4
−2
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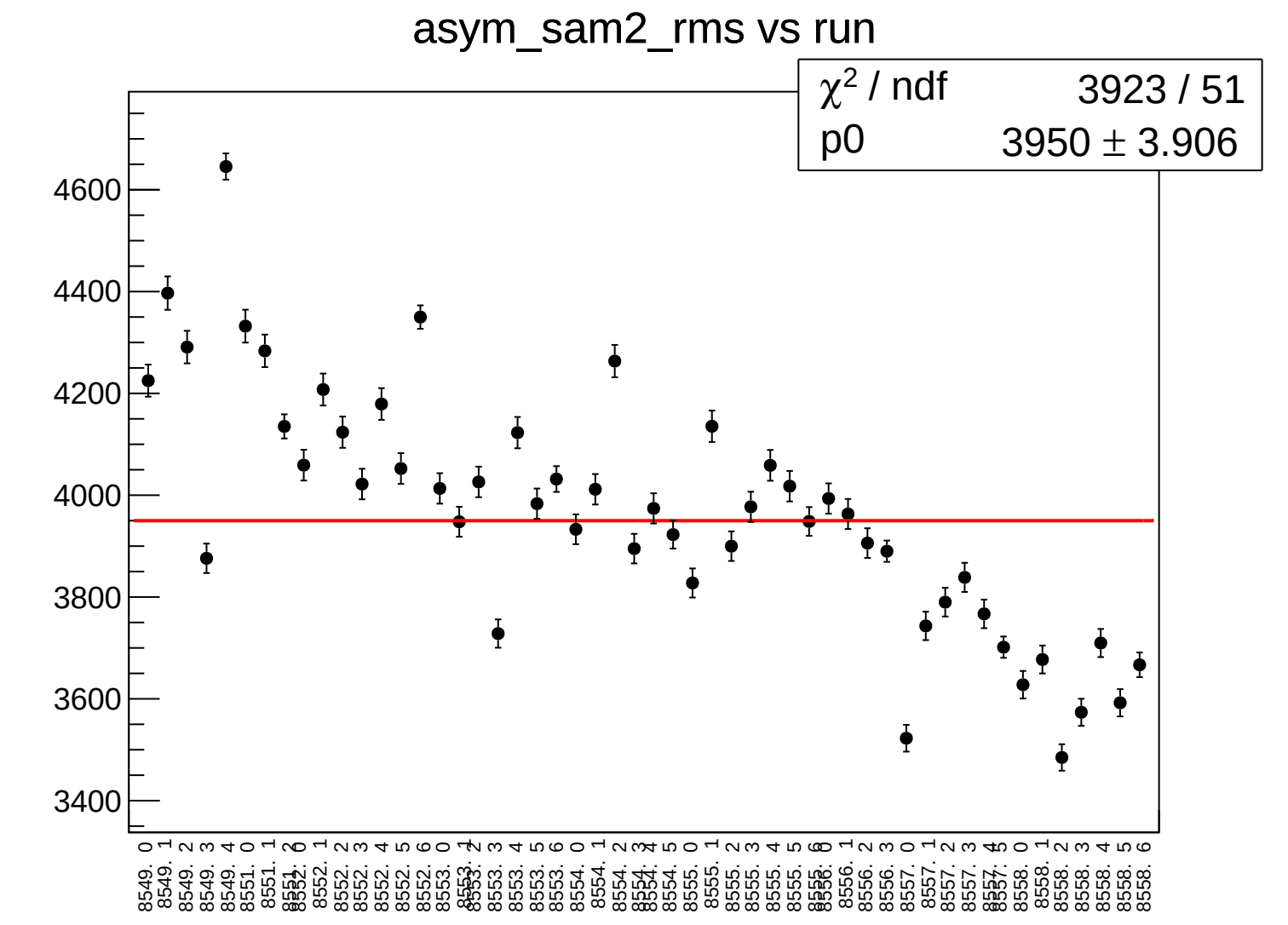
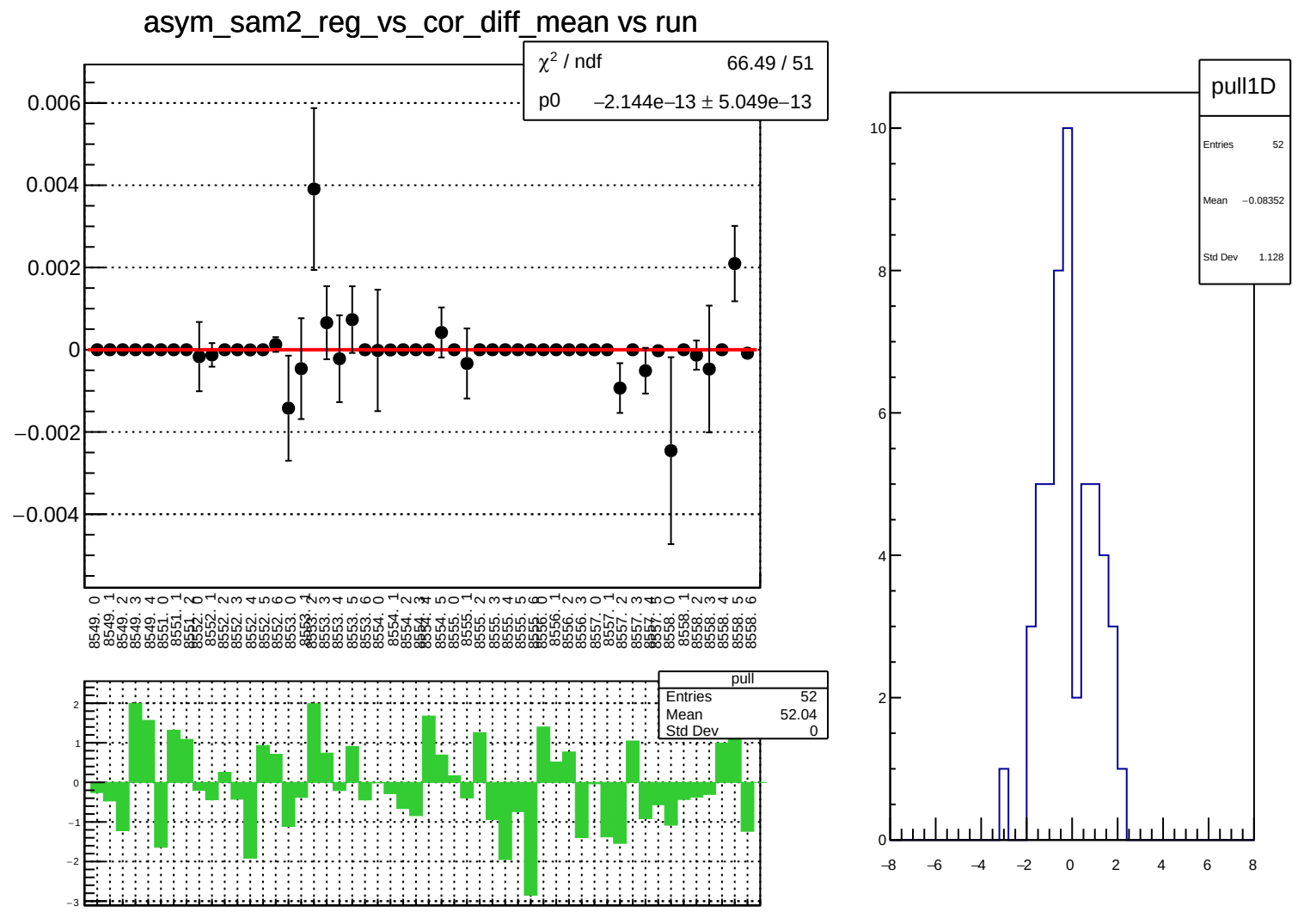
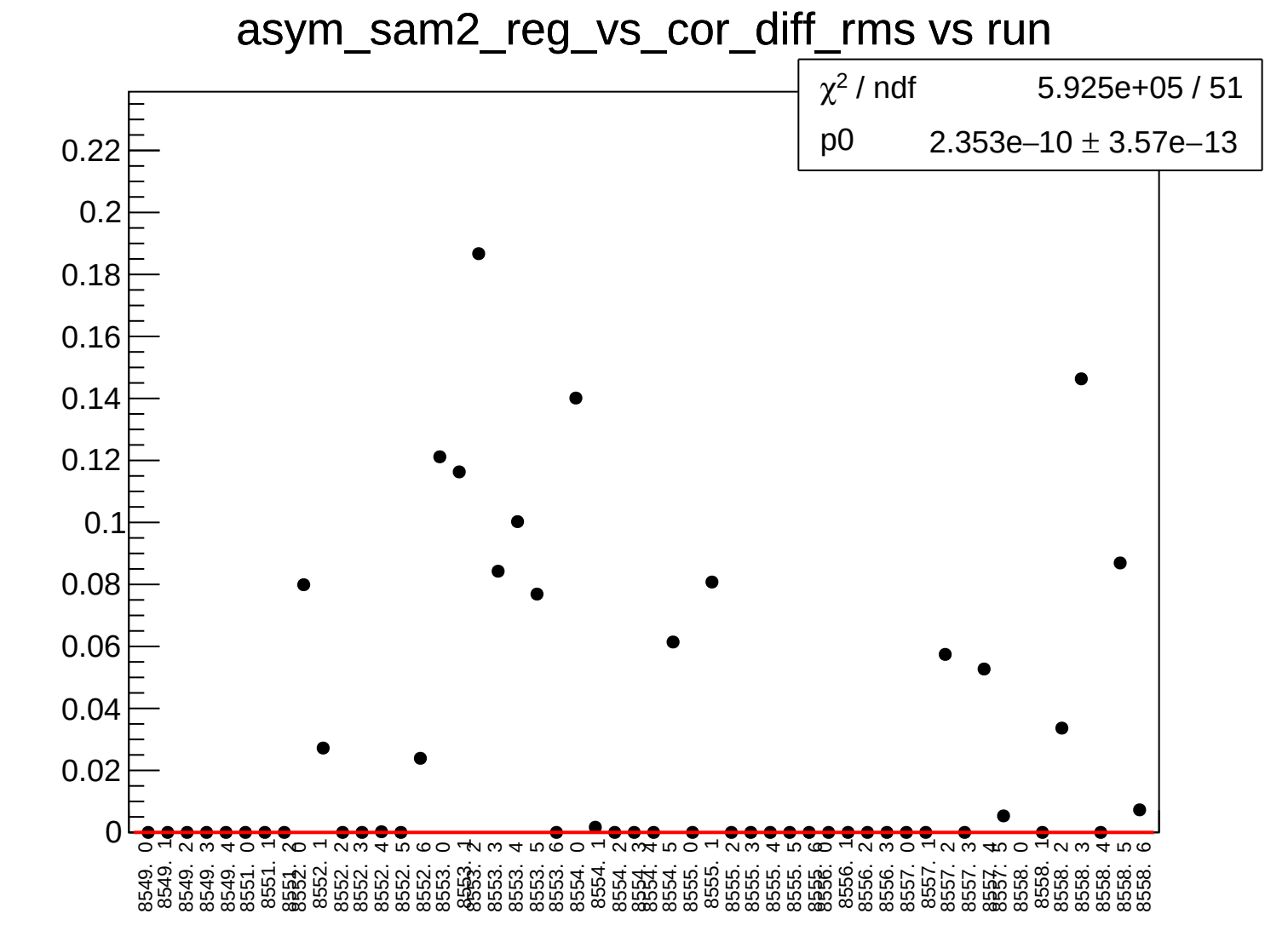
2
4
6
8


asym_sam2_rms vs run
χ^2 / ndf 3923 / 51
p0 3950 ± 3.906
4600
4400
4200
4000
3800
3600
3400
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6


asym_sam2_reg_vs_cor_diff_mean vs run
χ² / ndf 66.49 / 51
p0 −2.144e−13 ± 5.049e−13
0.006
0.004
0.002
0
−0.002
−0.004
pull
Entries 52
Mean 52.04
Std Dev 0
pull1D
Entries 52
Mean −0.08352
Std Dev 1.128


asym_sam2_reg_vs_cor_diff_rms vs run
χ² / ndf 5.925e+05 / 51
p0 2.353e−10 ± 3.57e−13
0.22
0.2
0.18
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02
0
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 0
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 1
8553. 2
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 3
8554. 4
8554. 5
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8555. 6
8556. 0
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8557. 4
8557. 5
8558. 0
8558. 1
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8558. 3
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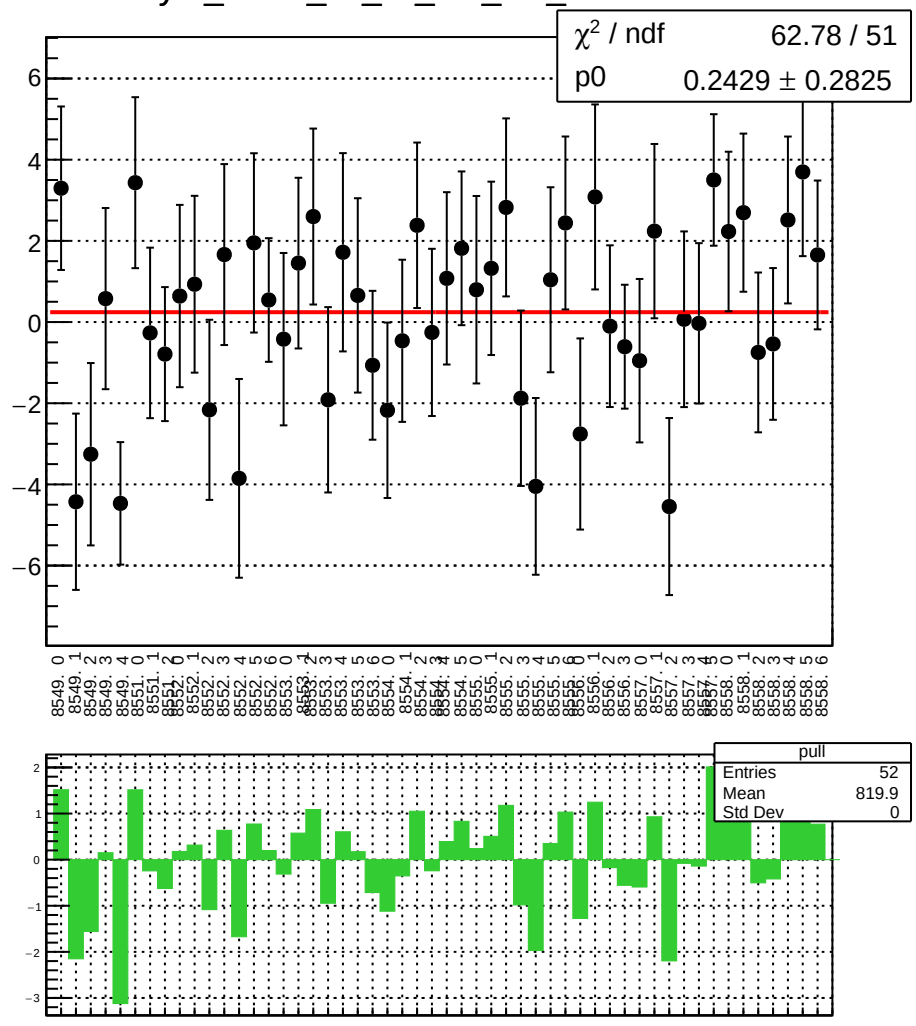
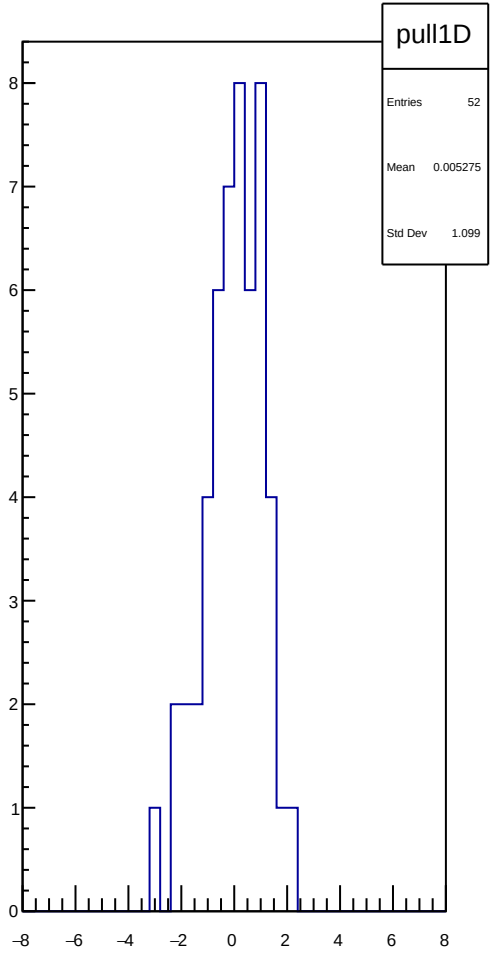
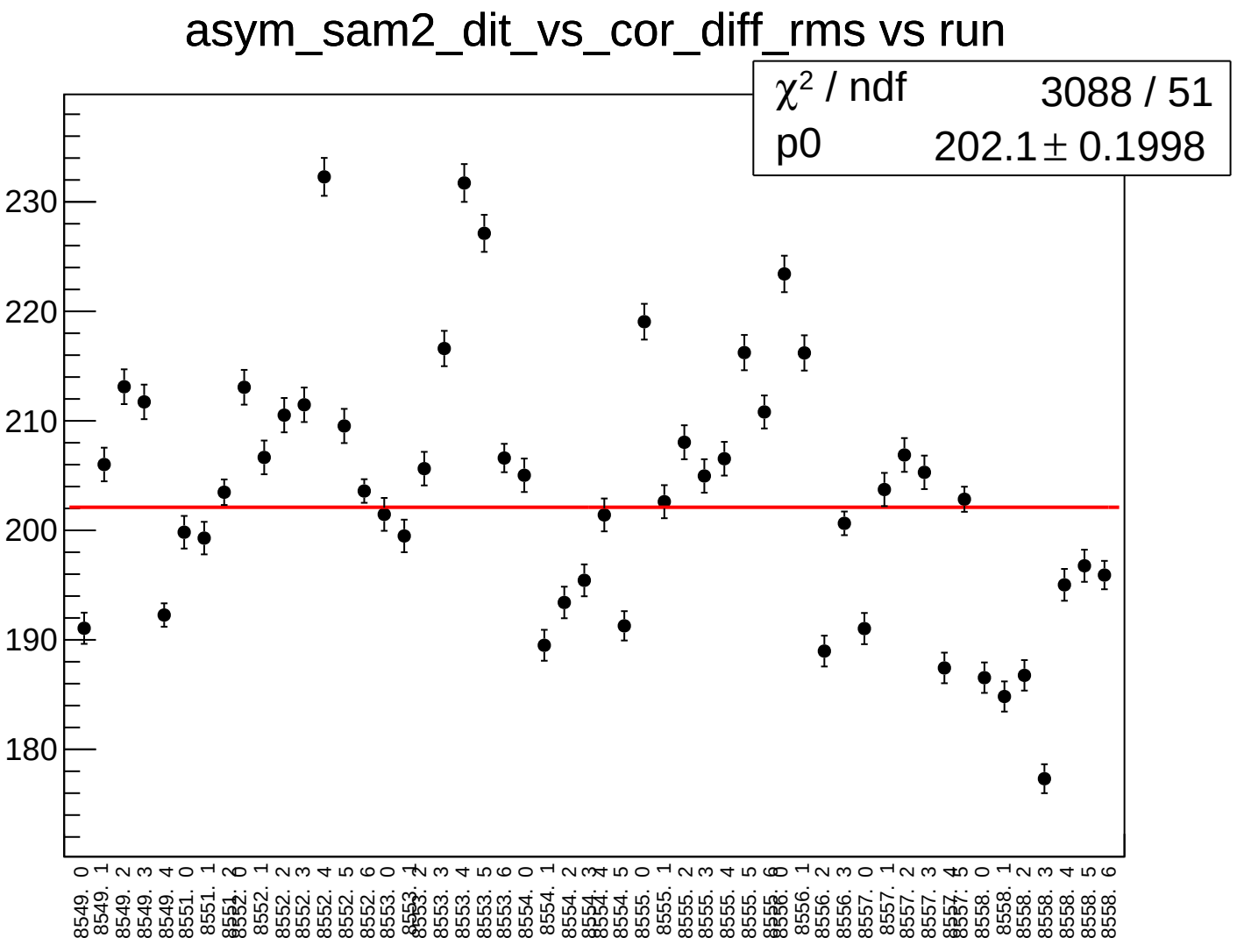
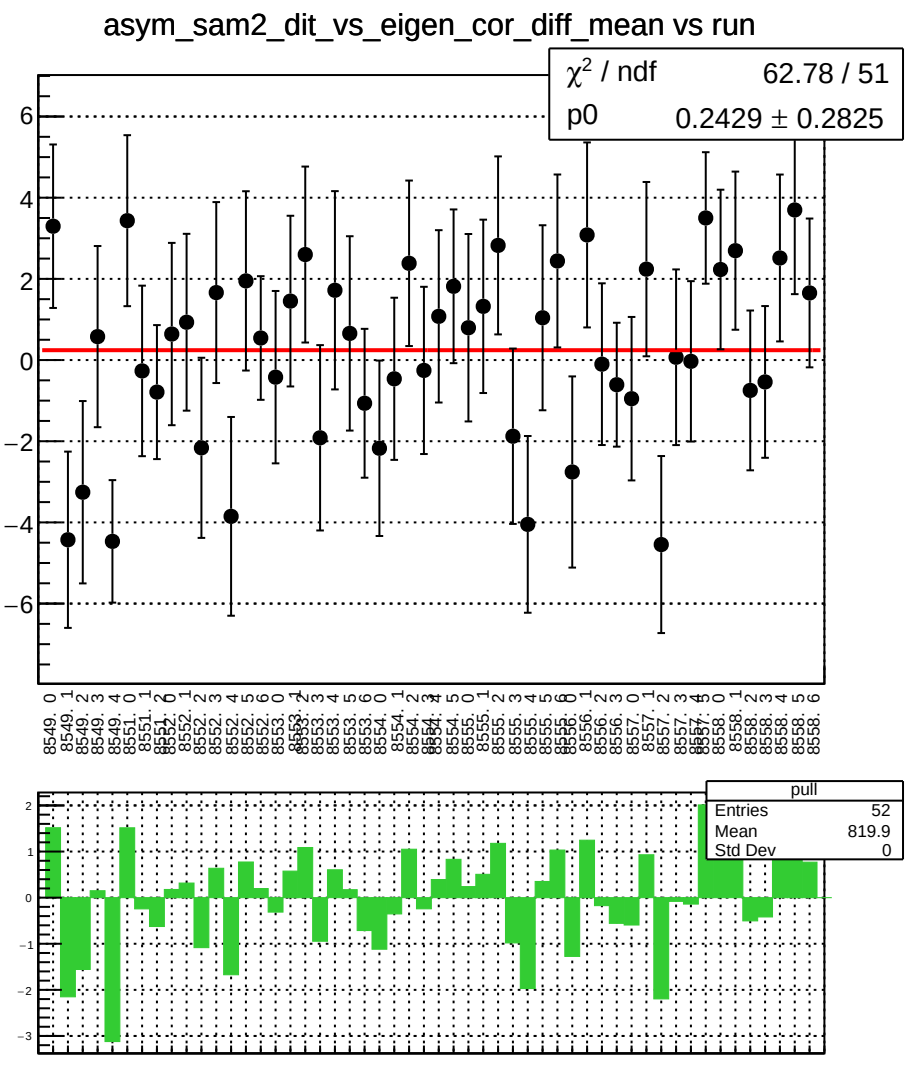
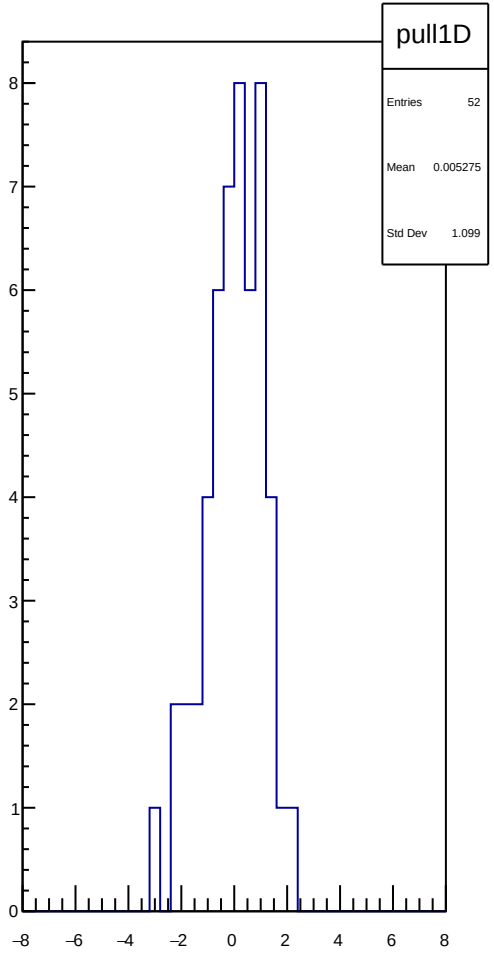
8558. 5
8558. 6

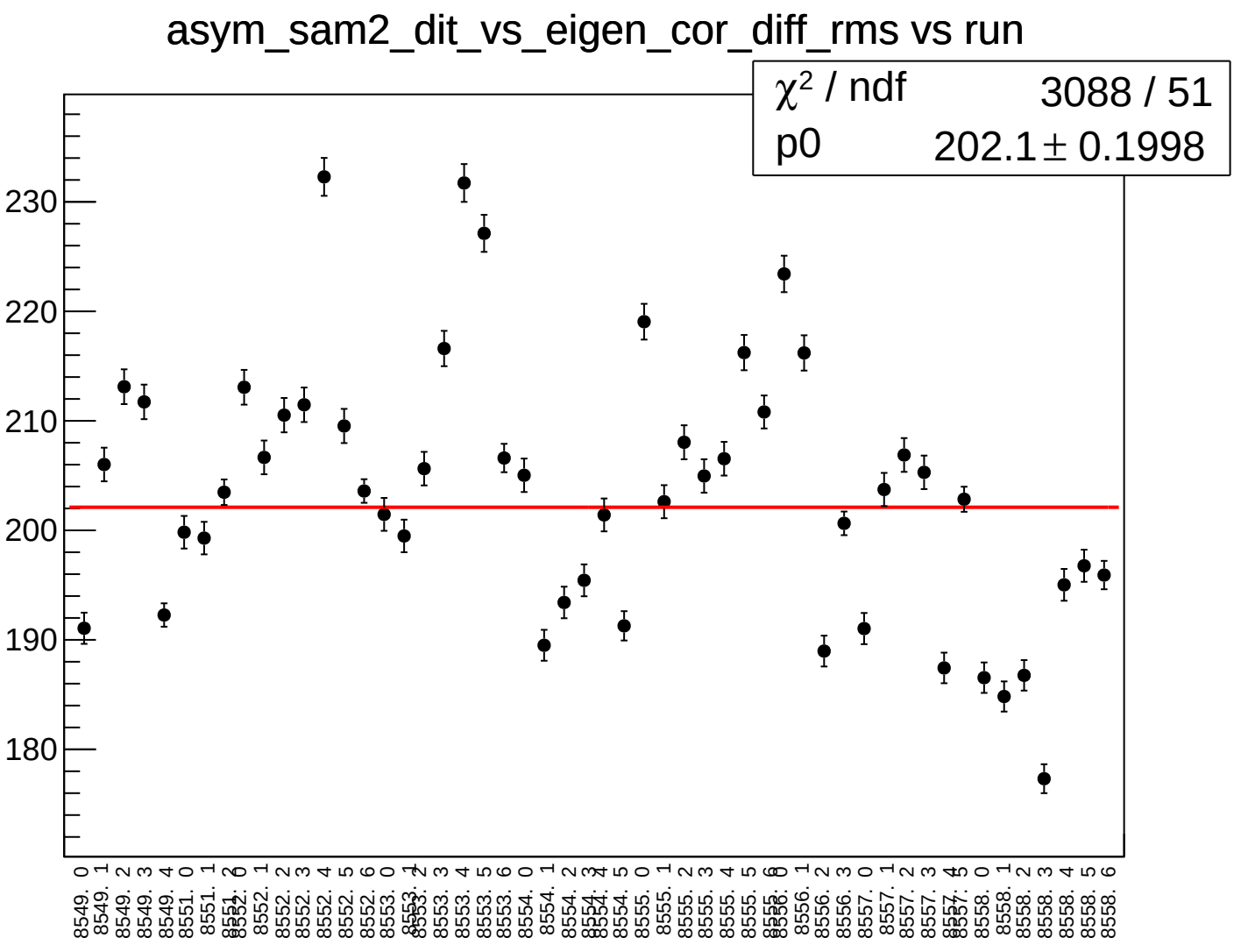

asym_sam2_dit_vs_cor_diff_mean vs run
χ² / ndf 62.78 / 51
p0 0.2429 ± 0.2825
pull
Entries 52
Mean 819.9
Std Dev 0

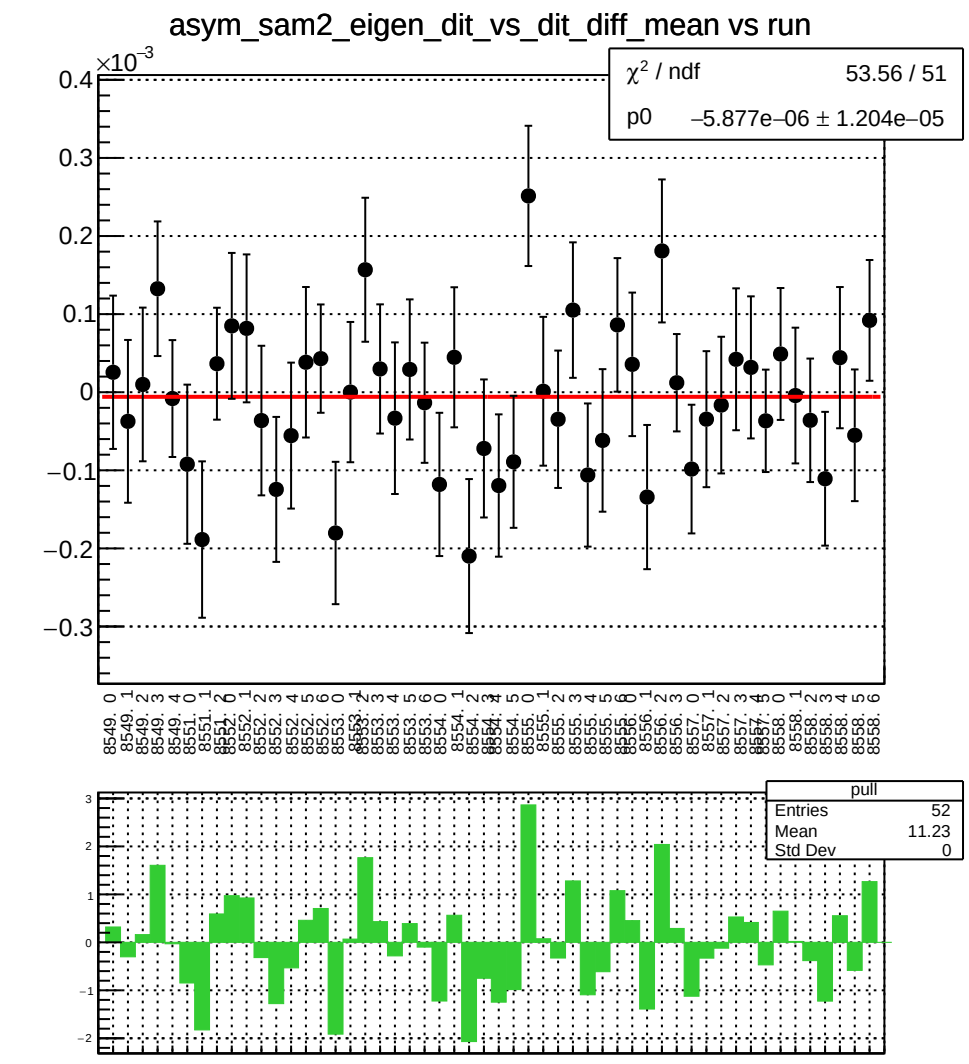

pull1D
Entries 52
Mean 0.005275
Std Dev 1.099

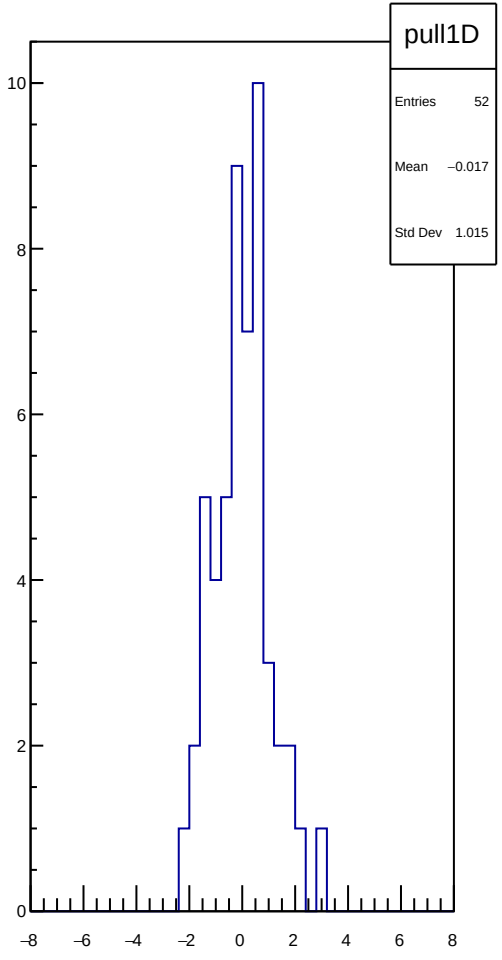

asym_sam2_dit_vs_cor_diff_rms vs run
χ² / ndf 3088 / 51
p0 202.1 ± 0.1998
230
220
210
200
190
180
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 5
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

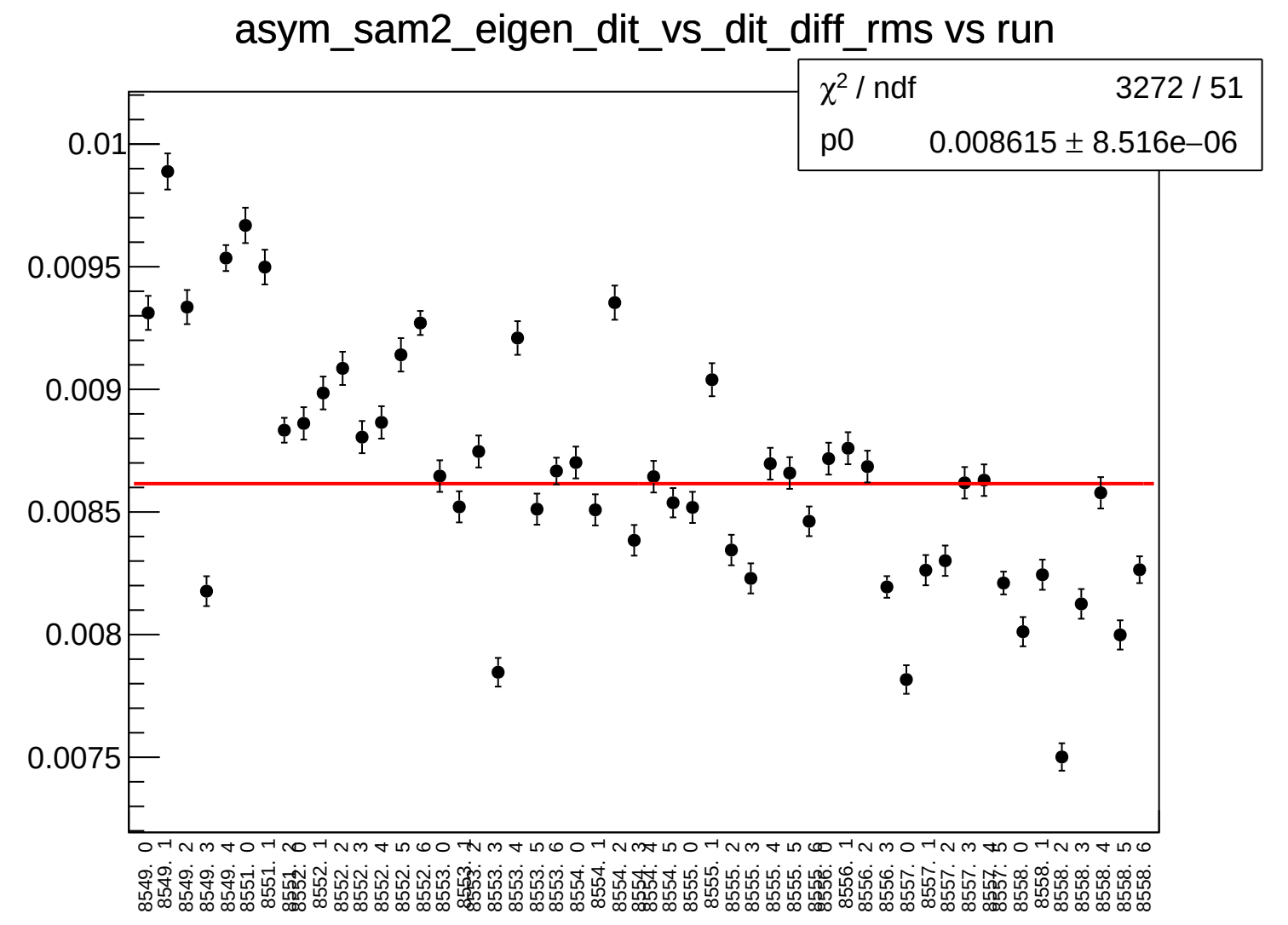

asym_sam2_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 62.78 / 51
p0 0.2429 ± 0.2825
pull
Entries 52
Mean 819.9
Std Dev 0

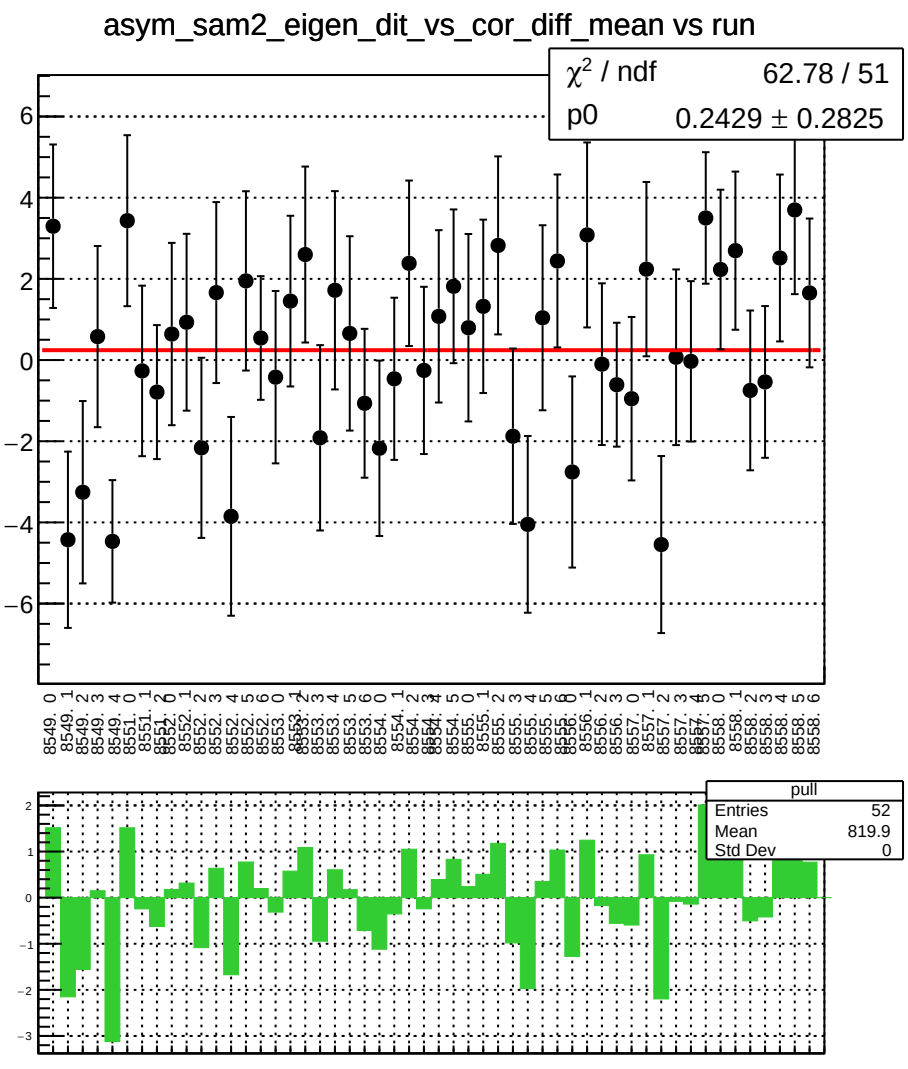

pull1D
Entries 52
Mean 0.005275
Std Dev 1.099

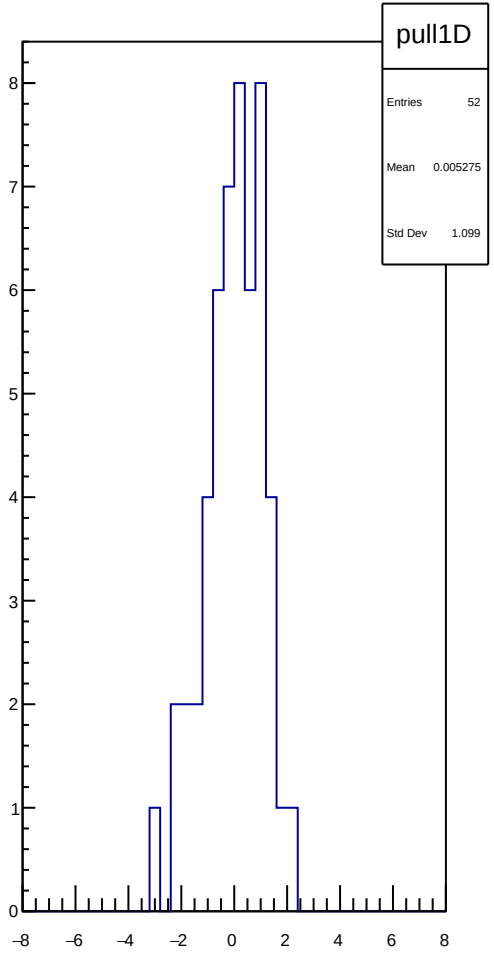

asym_sam2_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 3088 / 51
p0 202.1 ± 0.1998
230
220
210
200
190
180
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

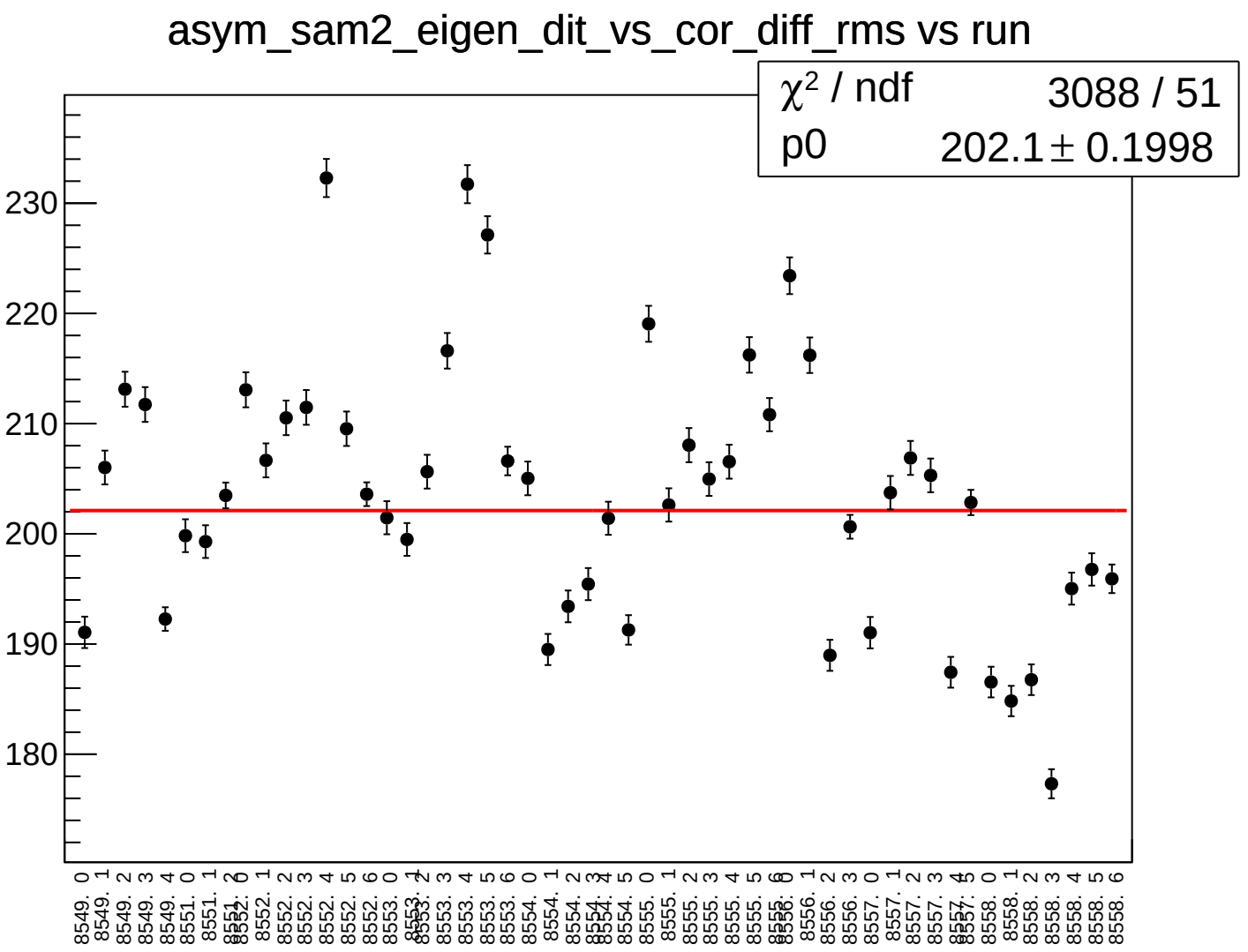

asym_sam2_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 53.56 / 51
p0 −5.877e−06 ± 1.204e−05
pull
Entries 52
Mean 11.23
Std Dev 0


pull1D
Entries 52
Mean −0.017
Std Dev 1.015


asym_sam2_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 3272 / 51
p0 0.008615 ± 8.516e−06
0.01
0.0095
0.009
0.0085
0.008
0.0075
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6


asym_sam2_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 62.78 / 51
p0 0.2429 ± 0.2825
pull
Entries 52
Mean 819.9
Std Dev 0


pull1D
Entries 52
Mean 0.005275
Std Dev 1.099


asym_sam2_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 3088 / 51
p0 202.1 ± 0.1998
230
220
210
200
190
180
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
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8557. 3
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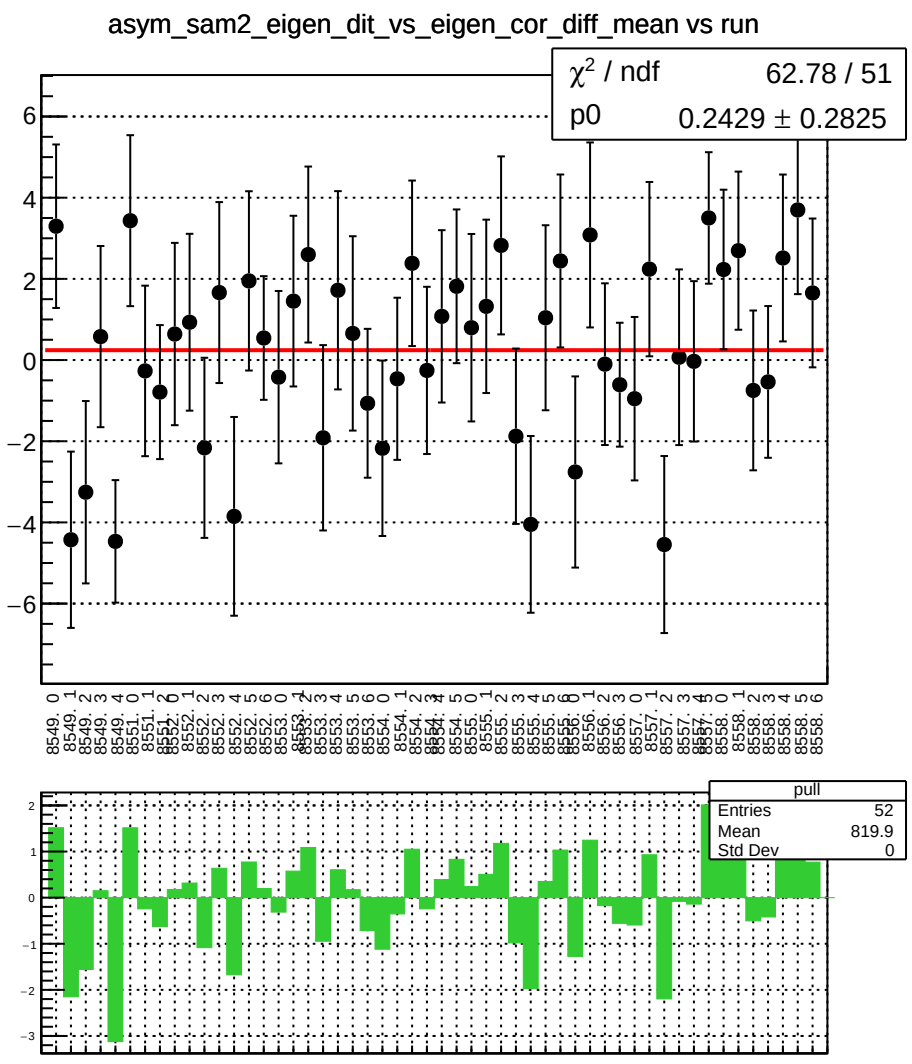
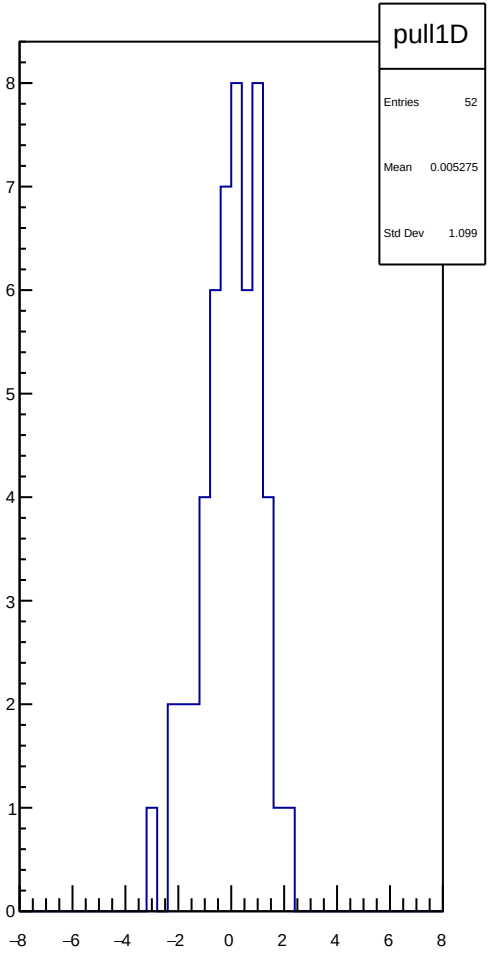
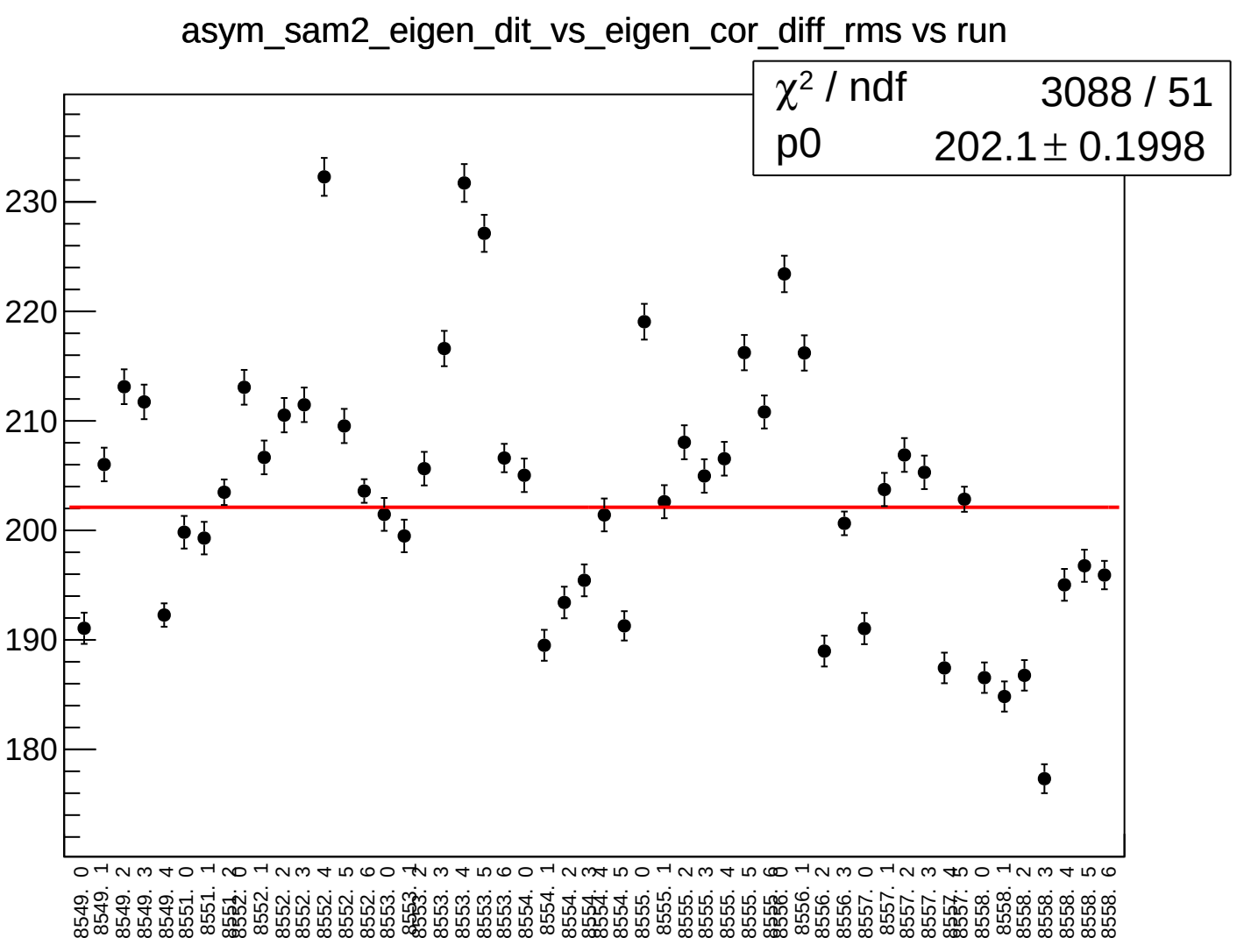
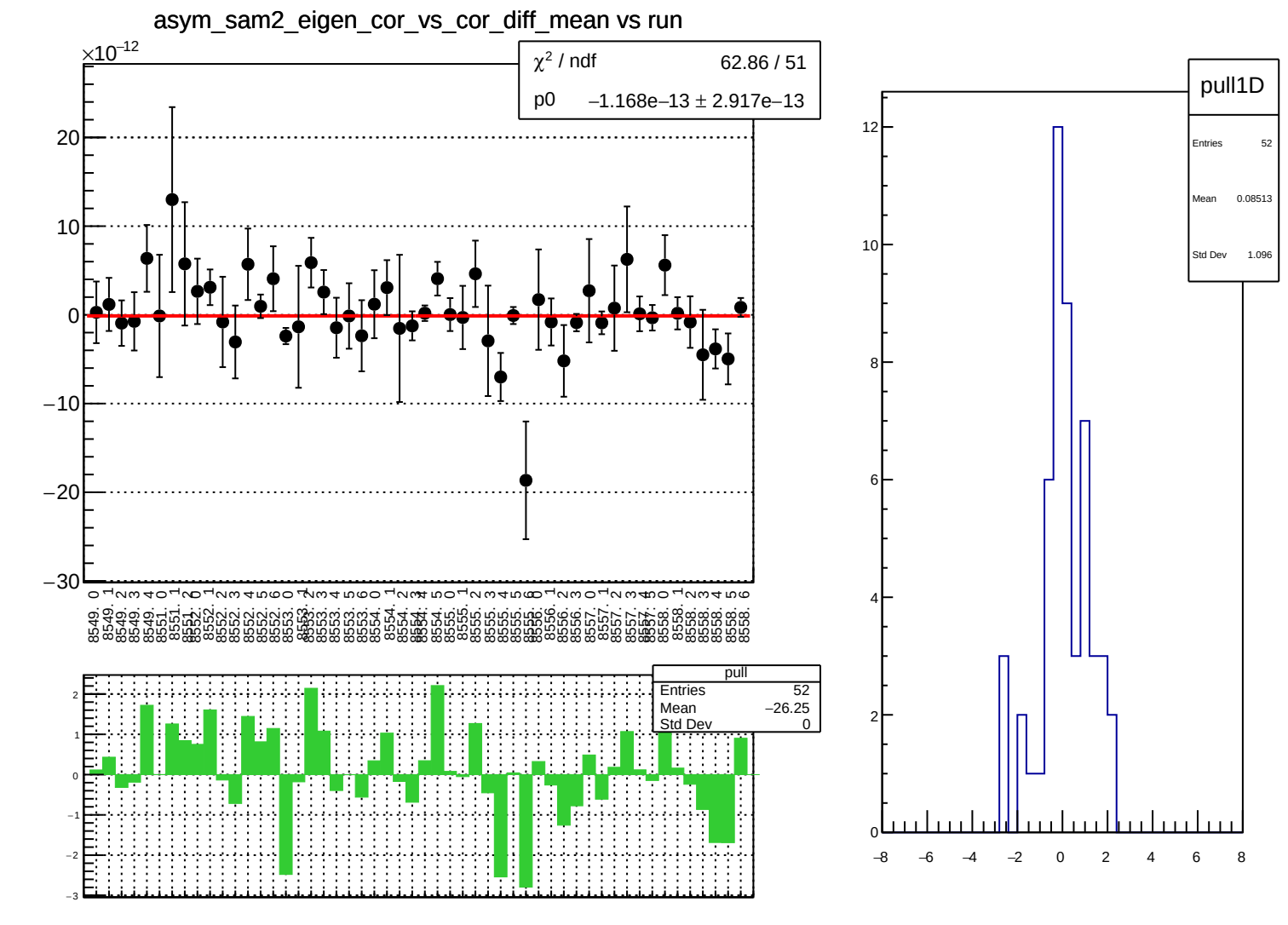
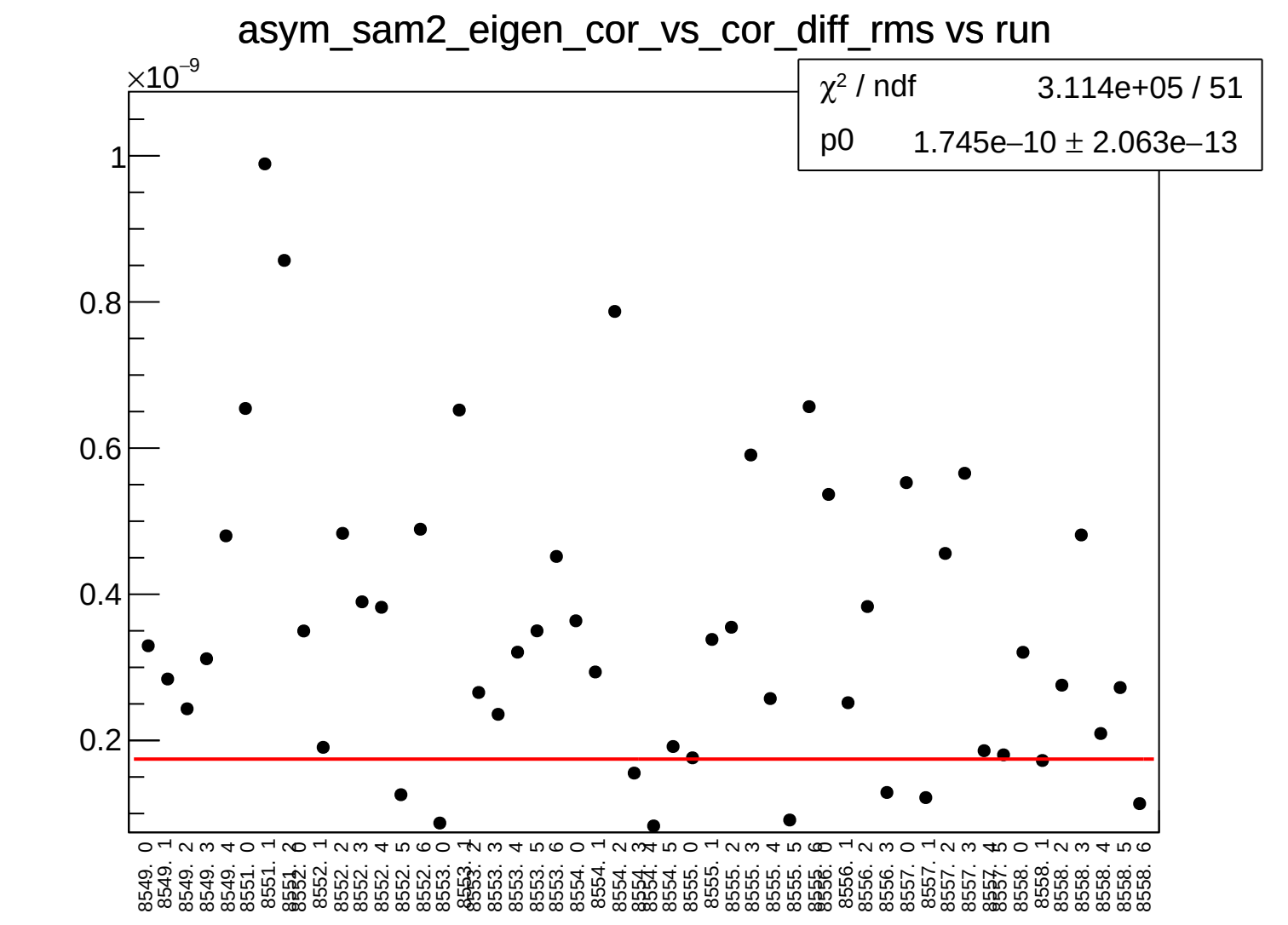
8558. 5
8558. 6


asym_sam2_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 62.78 / 51
p0 0.2429 ± 0.2825
pull
Entries 52
Mean 819.9
Std Dev 0


pull1D
Entries 52
Mean 0.005275
Std Dev 1.099


asym_sam2_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 3088 / 51
p0 202.1 ± 0.1998
230
220
210
200
190
180
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6


asym_sam2_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 62.86 / 51
p0 −1.168e−13 ± 2.917e−13
pull
Entries 52
Mean −26.25
Std Dev 0
pull1D
Entries 52
Mean 0.08513
Std Dev 1.096


asym_sam2_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 3.114e+05 / 51
p0 1.745e−10 ± 2.063e−13
1
0.8
0.6
0.4
0.2
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 2
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 5
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
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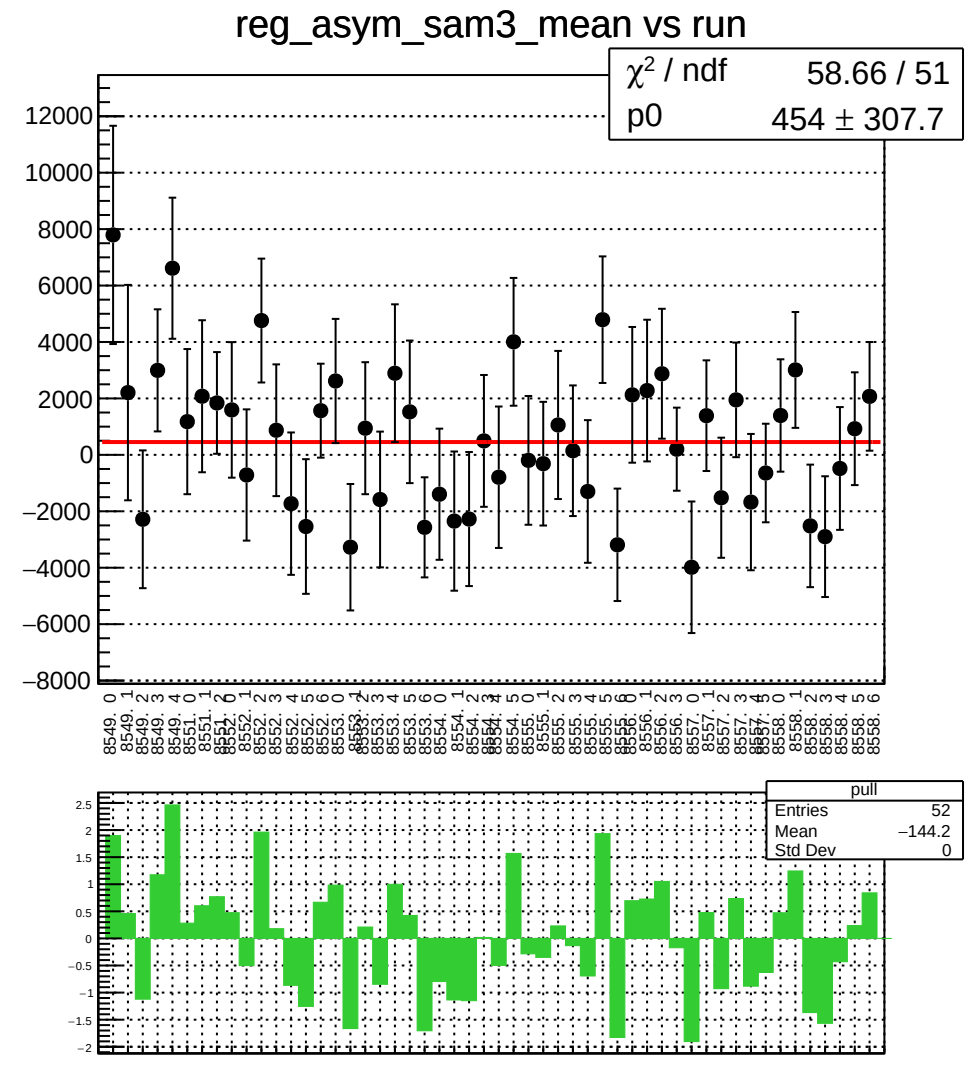
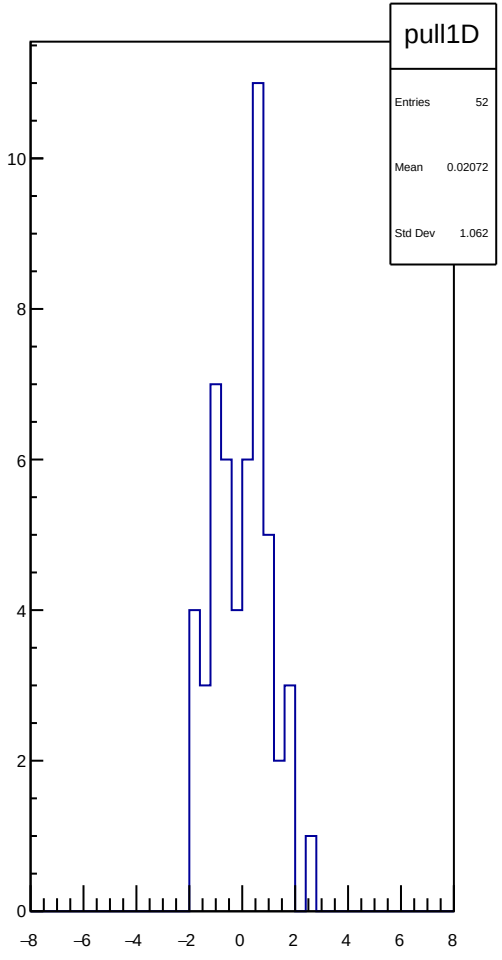
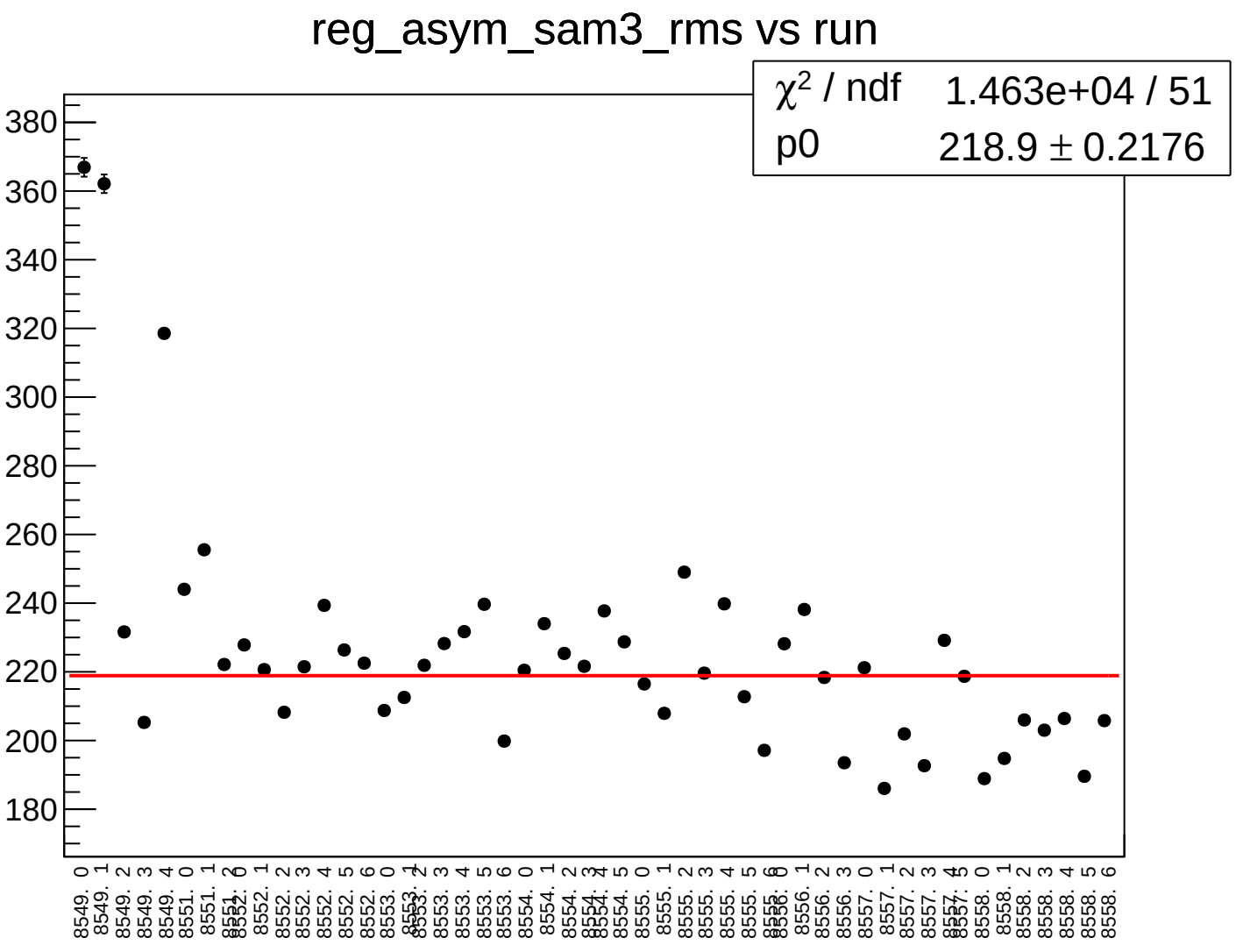
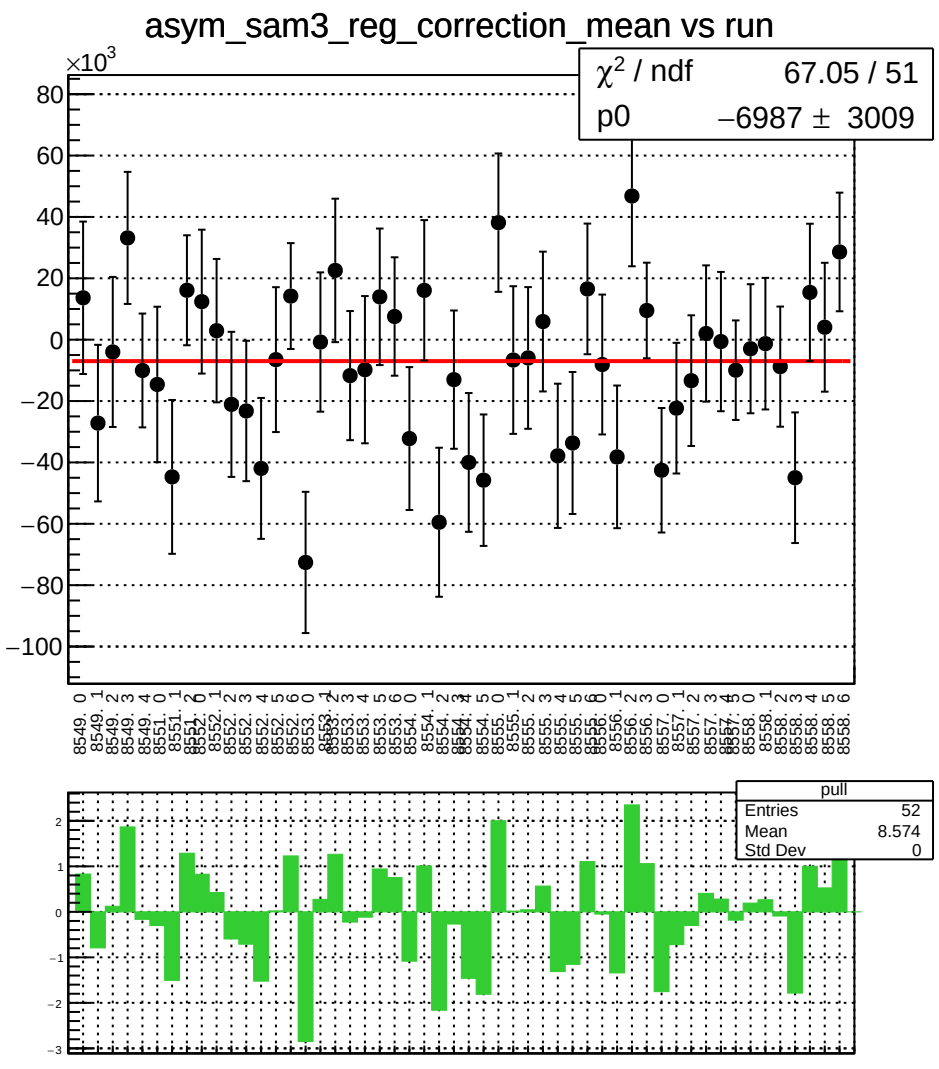
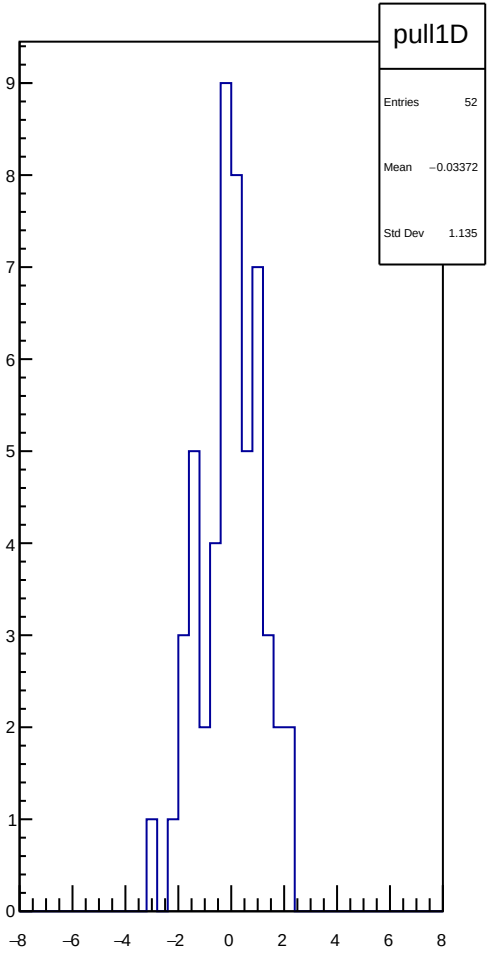
8558. 5
8558. 6

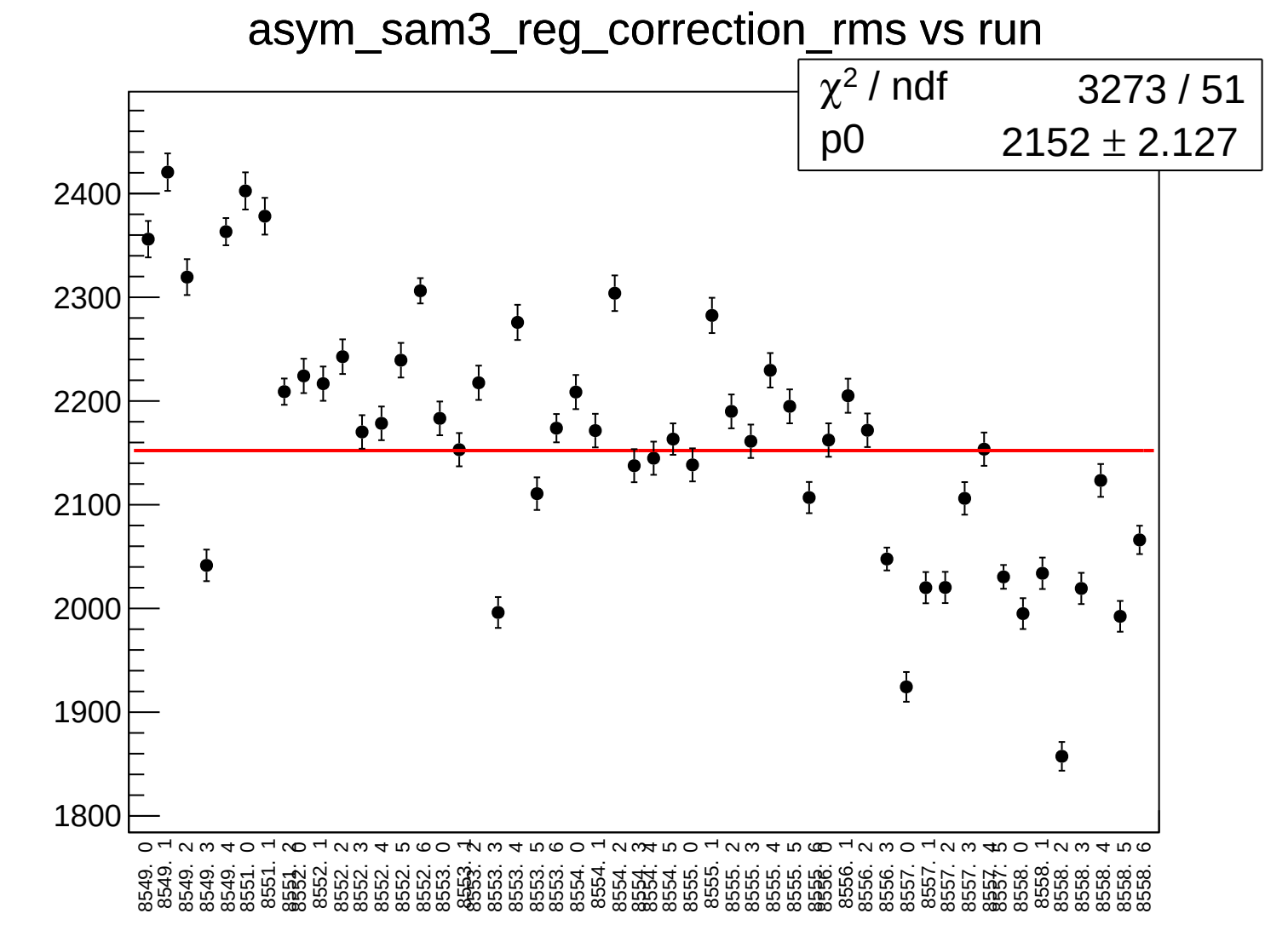

reg_asym_sam3_mean vs run
χ² / ndf 58.66 / 51
p0 454 ± 307.7
pull
Entries 52
Mean −144.2
Std Dev 0


pull1D
Entries 52
Mean 0.02072
Std Dev 1.062


reg_asym_sam3_rms vs run
χ² / ndf 1.463e+04 / 51
p0 218.9 ± 0.2176
380
360
340
320
300
280
260
240
220
200
180
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 5
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6


asym_sam3_reg_correction_mean vs run
×10^3
χ² / ndf 67.05 / 51
p0 −6987 ± 3009
pull
Entries 52
Mean 8.574
Std Dev 0


pull1D
Entries 52
Mean −0.03372
Std Dev 1.135


asym_sam3_reg_correction_rms vs run
χ² / ndf 3273 / 51
p0 2152 ± 2.127
2400
2300
2200
2100
2000
1900
1800
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
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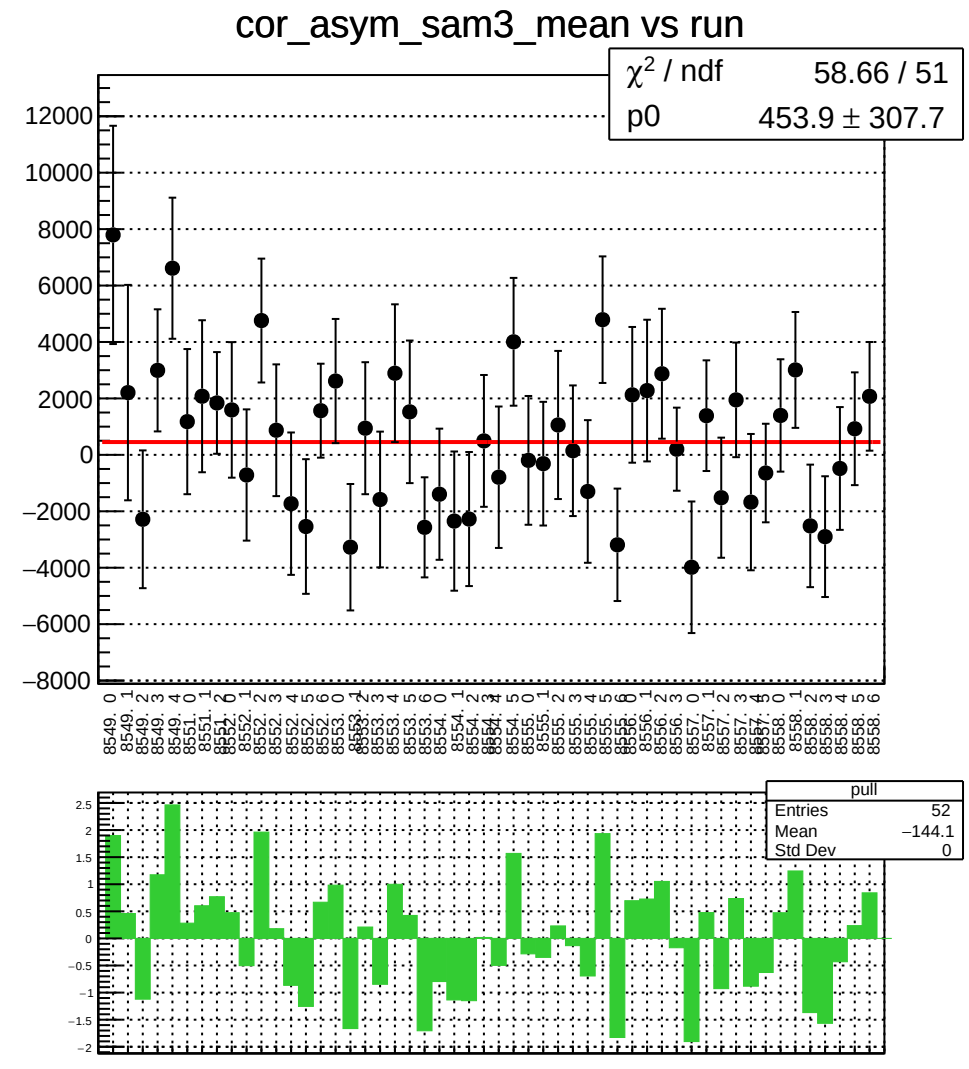
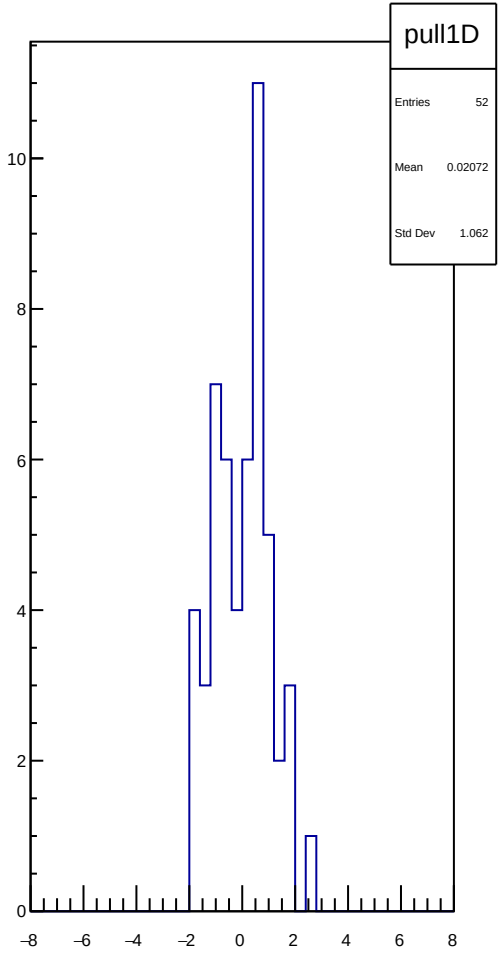
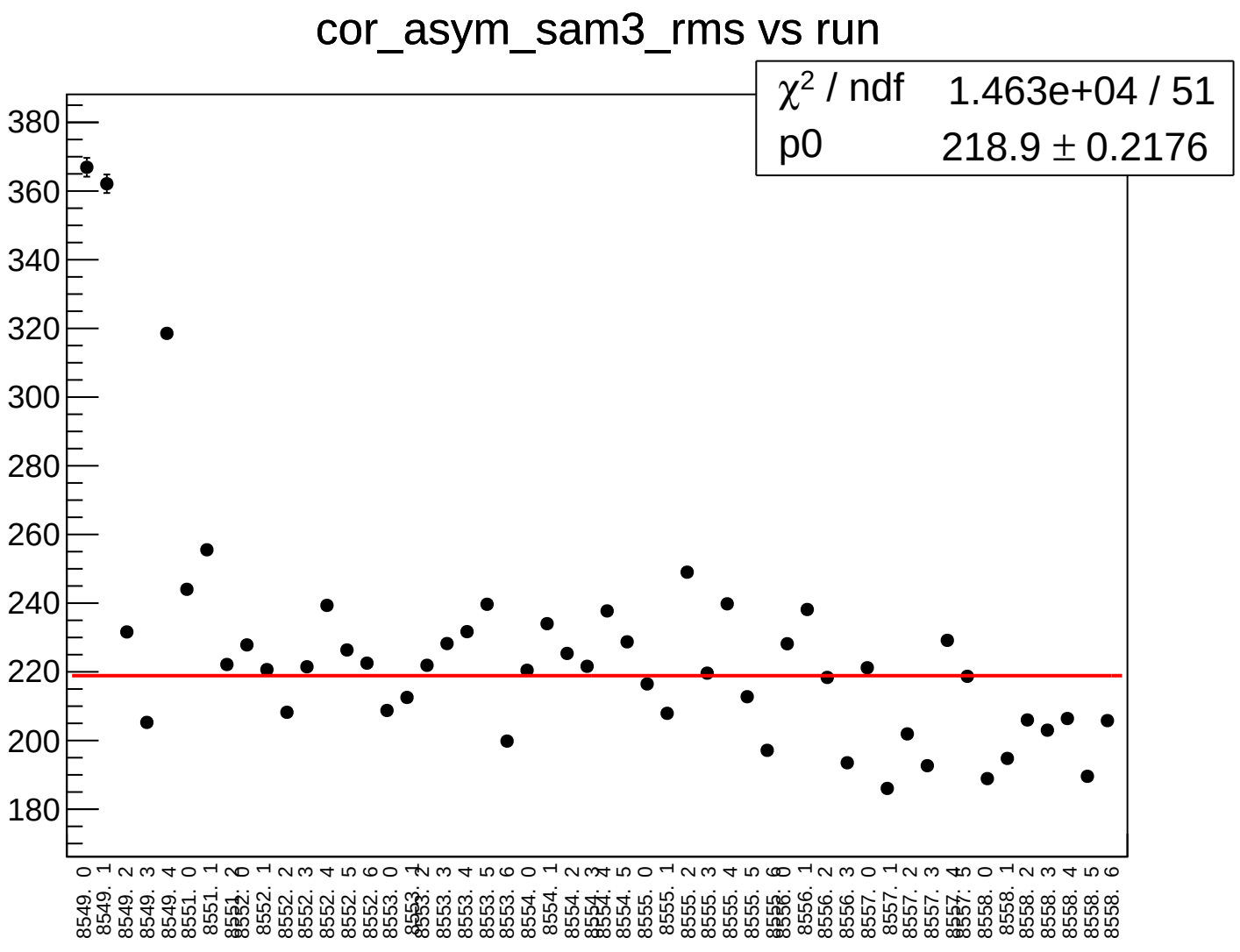
8558. 5
8558. 6


cor_asym_sam3_mean vs run
χ² / ndf 58.66 / 51
p0 453.9 ± 307.7
pull
Entries 52
Mean −144.1
Std Dev 0


pull1D
Entries 52
Mean 0.02072
Std Dev 1.062


cor_asym_sam3_rms vs run
χ² / ndf 1.463e+04 / 51
p0 218.9 ± 0.2176
380
360
340
320
300
280
260
240
220
200
180
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 5
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
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8558. 0
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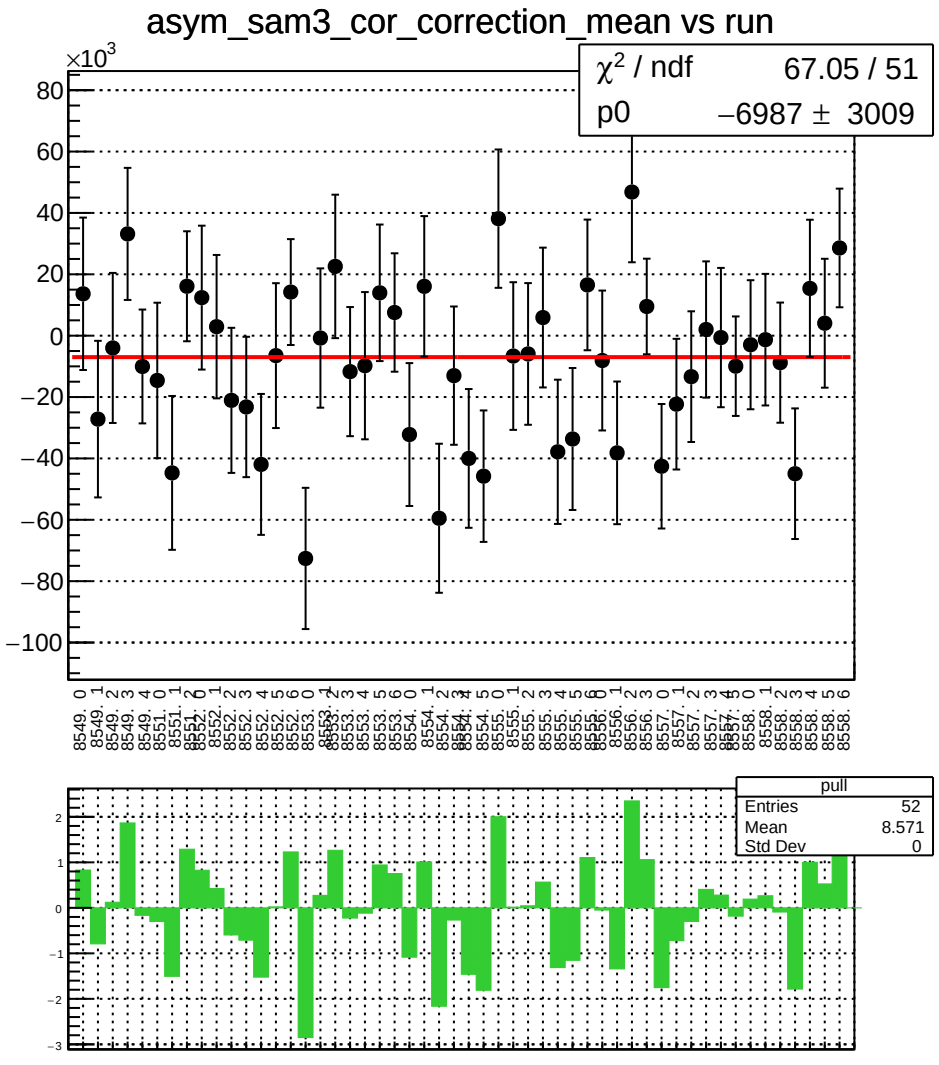
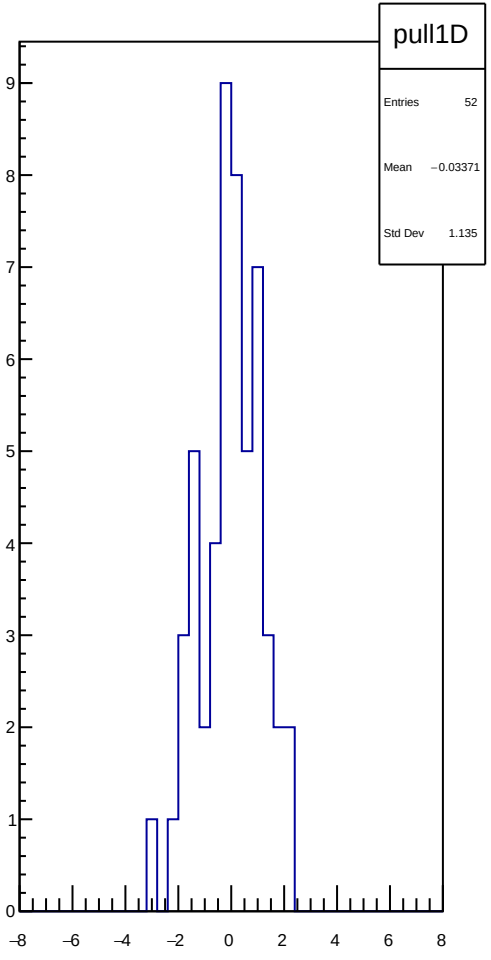
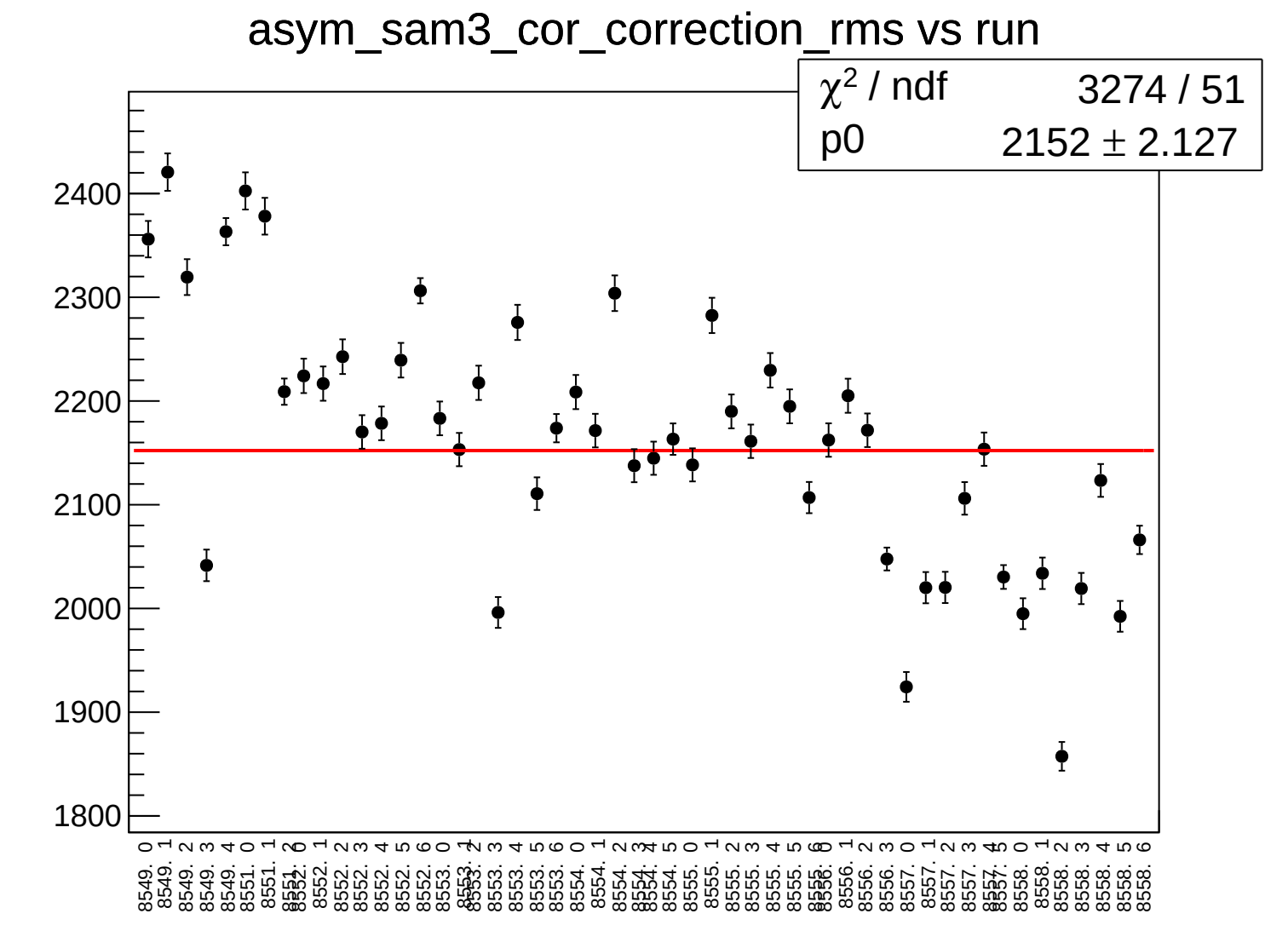
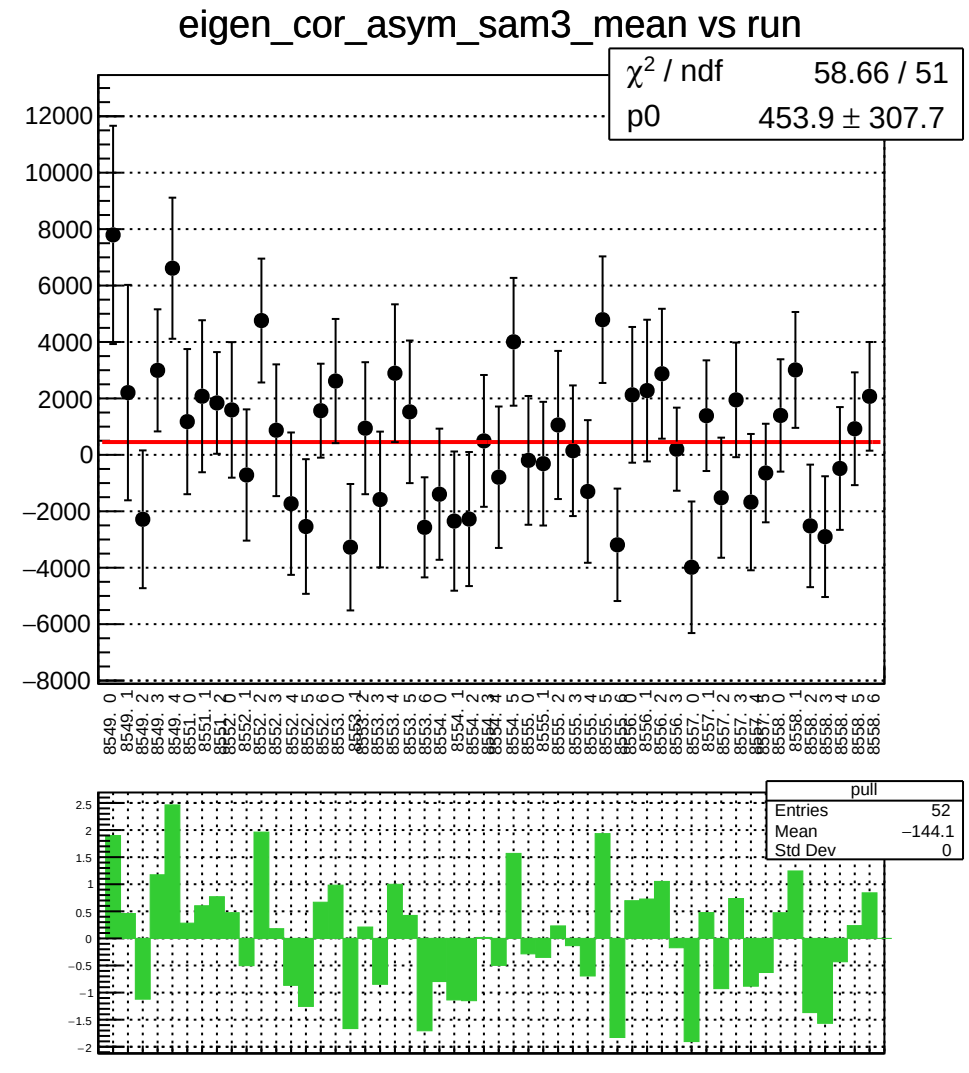
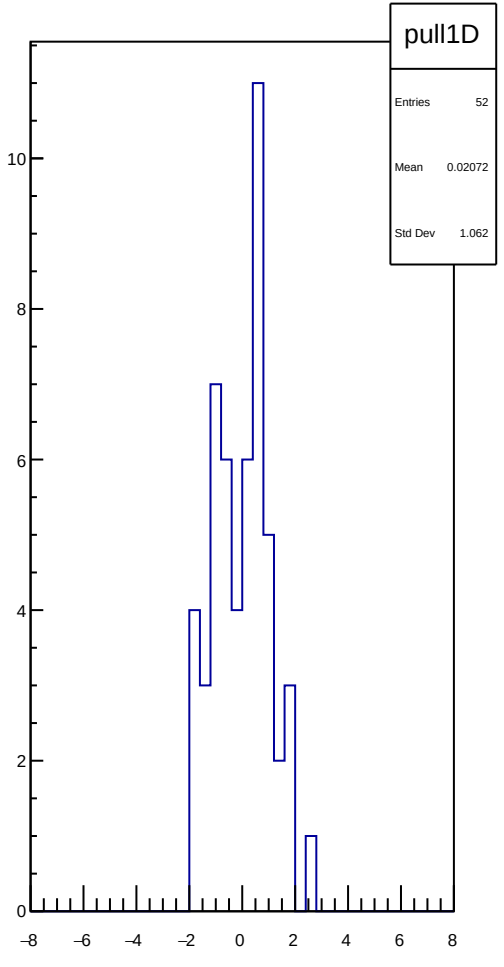
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

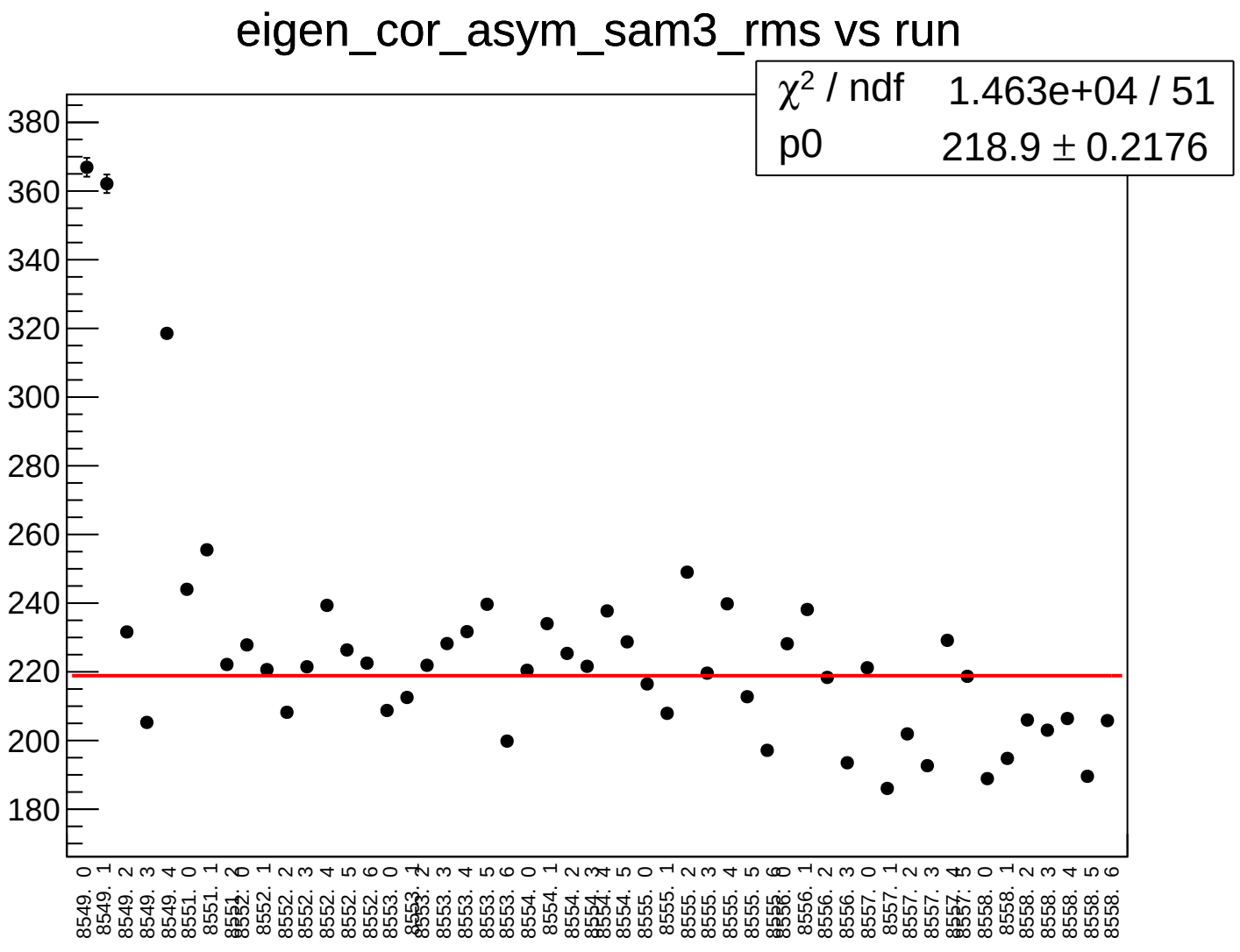

asym_sam3_cor_correction_mean vs run
χ² / ndf 67.05 / 51
p0 −6987 ± 3009
pull
Entries 52
Mean 8.571
Std Dev 0

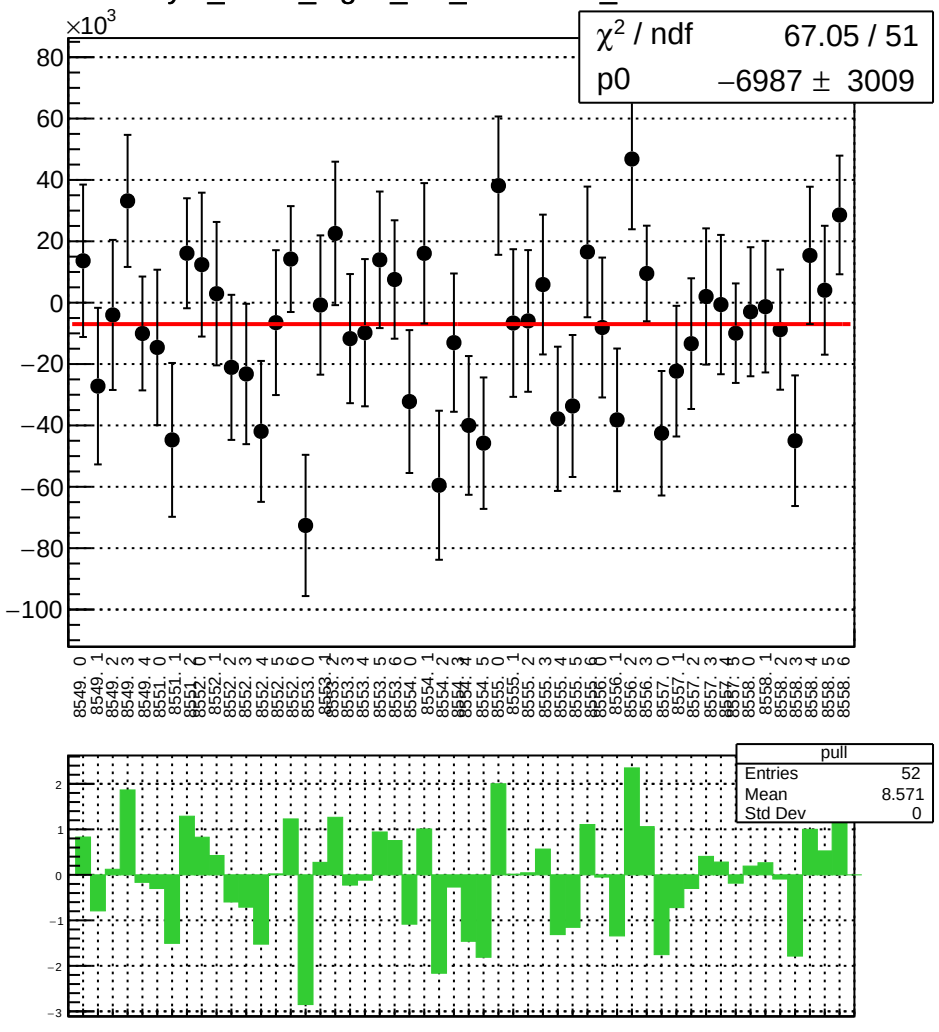

pull1D
Entries 52
Mean −0.03371
Std Dev 1.135

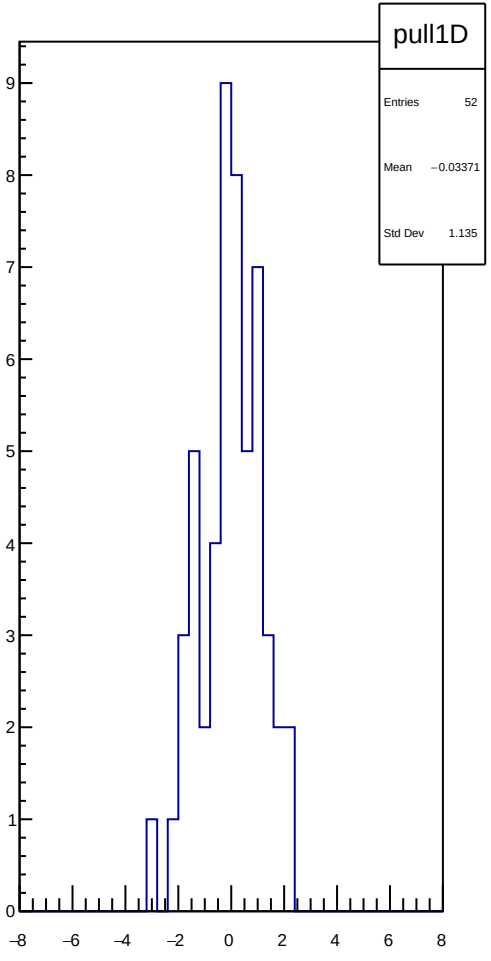

asym_sam3_cor_correction_rms vs run
χ² / ndf 3274 / 51
p0 2152 ± 2.127
2400
2300
2200
2100
2000
1900
1800
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

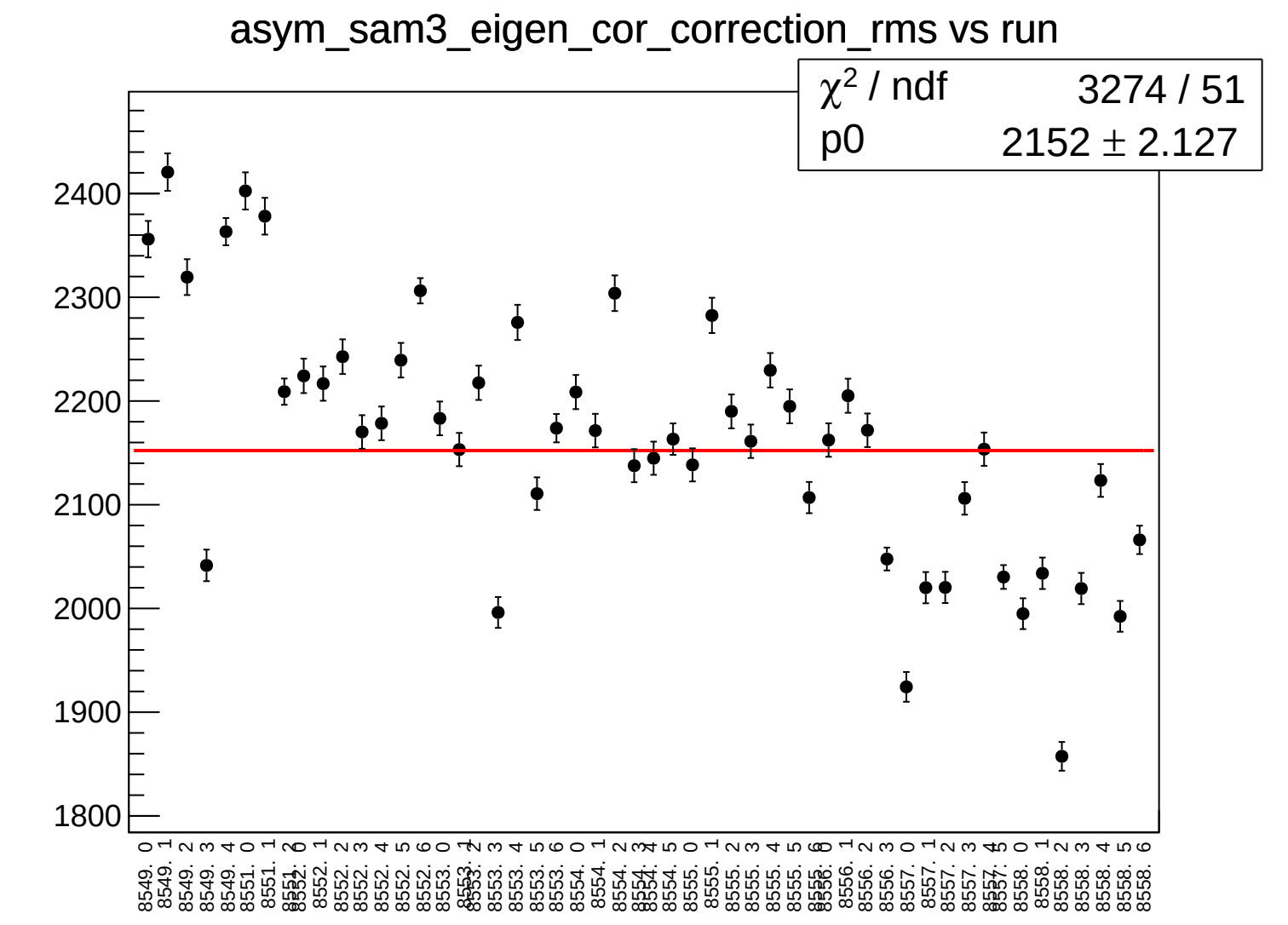

eigen_cor_asym_sam3_mean vs run
χ² / ndf 58.66 / 51
p0 453.9 ± 307.7
pull
Entries 52
Mean −144.1
Std Dev 0


pull1D
Entries 52
Mean 0.02072
Std Dev 1.062


eigen_cor_asym_sam3_rms vs run
χ² / ndf 1.463e+04 / 51
p0 218.9 ± 0.2176
380
360
340
320
300
280
260
240
220
200
180
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 5
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6


asym_sam3_eigen_cor_correction_mean vs run
×10^3
χ² / ndf 67.05 / 51
p0 −6987 ± 3009
pull
Entries 52
Mean 8.571
Std Dev 0


pull1D
Entries 52
Mean −0.03371
Std Dev 1.135


asym_sam3_eigen_cor_correction_rms vs run
χ² / ndf 3274 / 51
p0 2152 ± 2.127
2400
2300
2200
2100
2000
1900
1800
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
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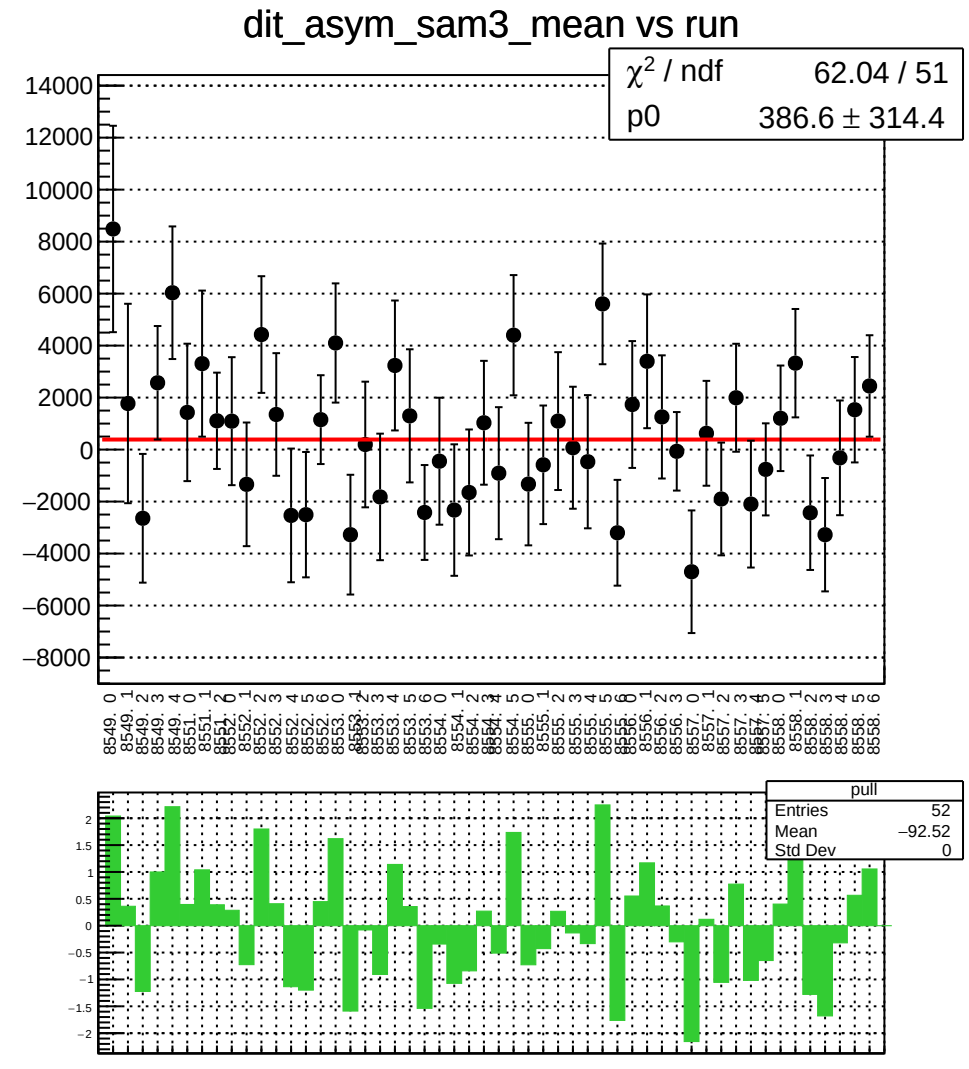
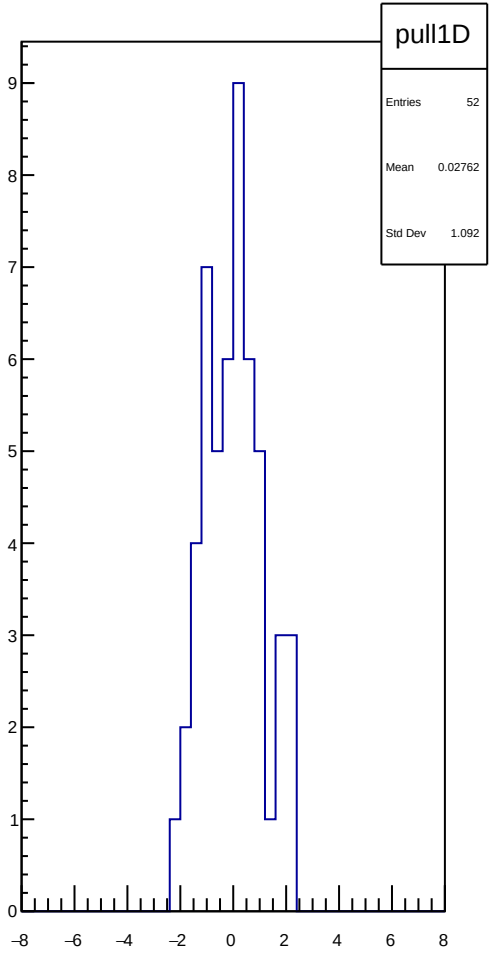
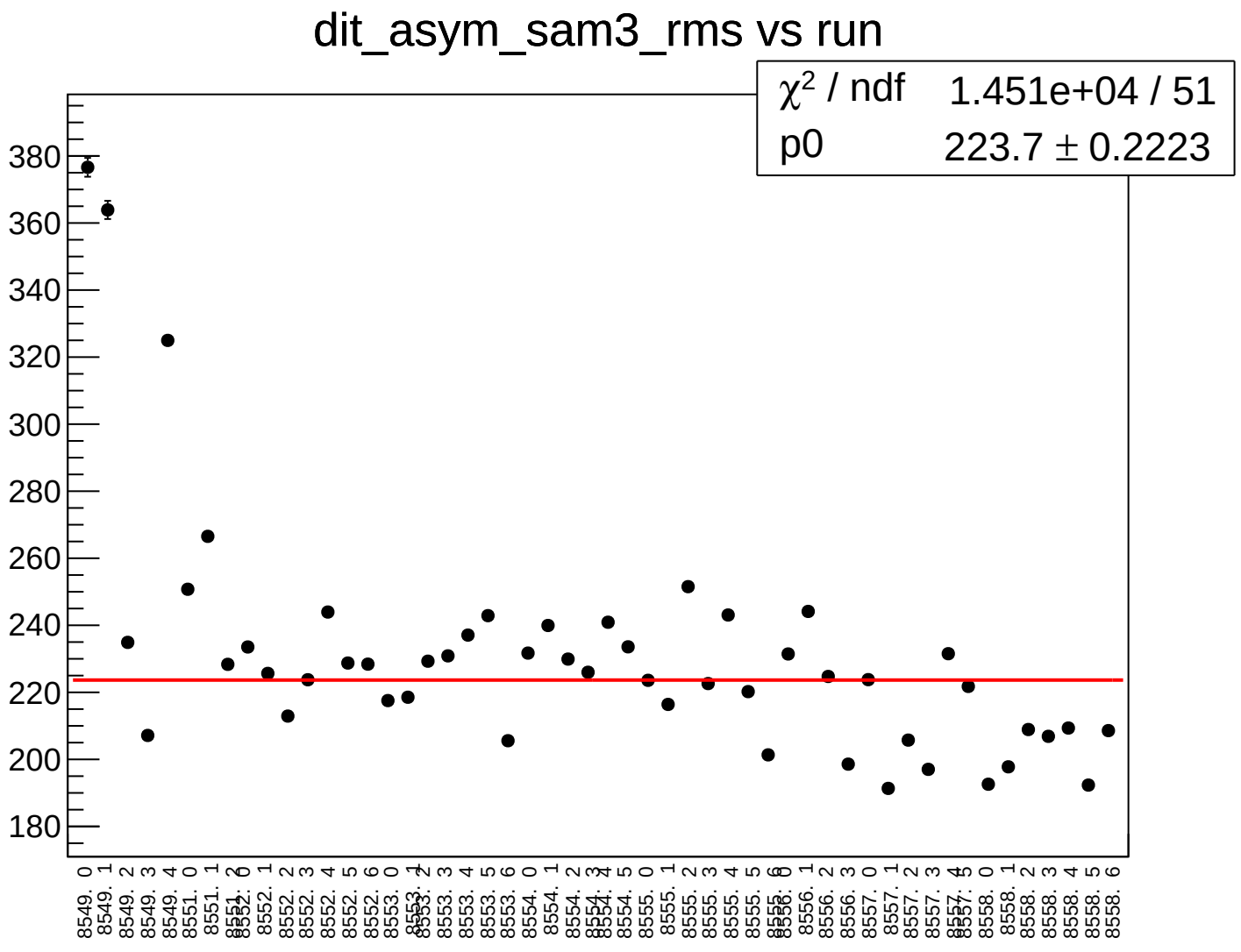
8558. 5
8558. 6


dit_asym_sam3_mean vs run
χ² / ndf 62.04 / 51
p0 386.6 ± 314.4
pull
Entries 52
Mean −92.52
Std Dev 0


pull1D
Entries 52
Mean 0.02762
Std Dev 1.092


dit_asym_sam3_rms vs run
χ² / ndf 1.451e+04 / 51
p0 223.7 ± 0.2223
380
360
340
320
300
280
260
240
220
200
180
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 5
8555. 0
8555. 1
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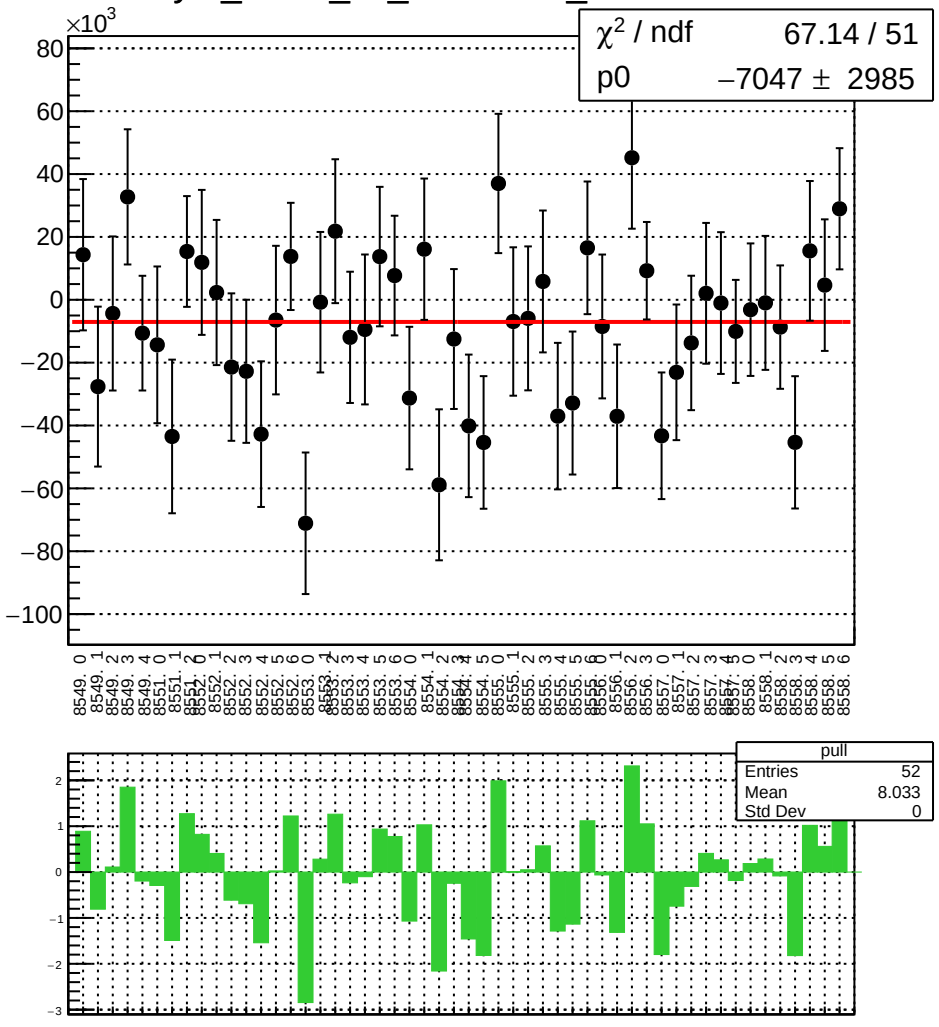
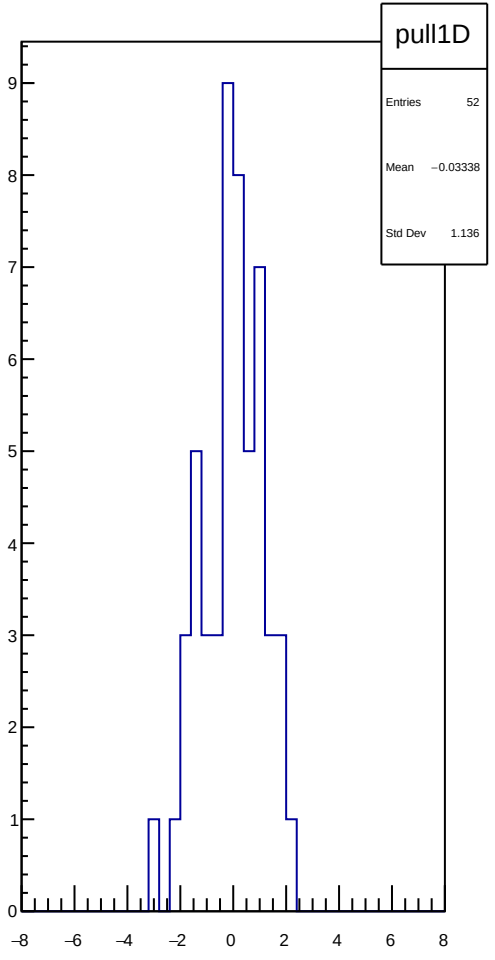
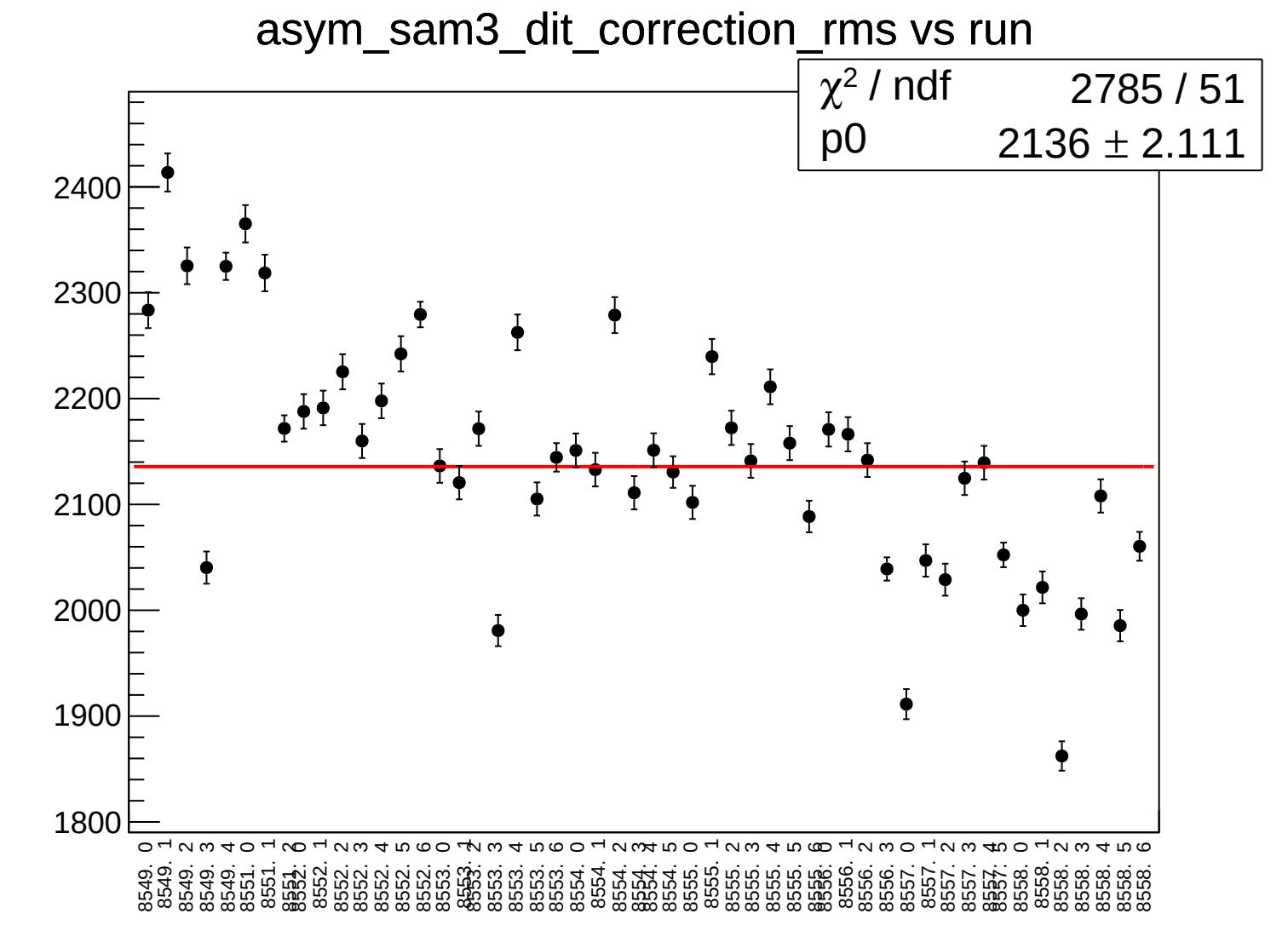
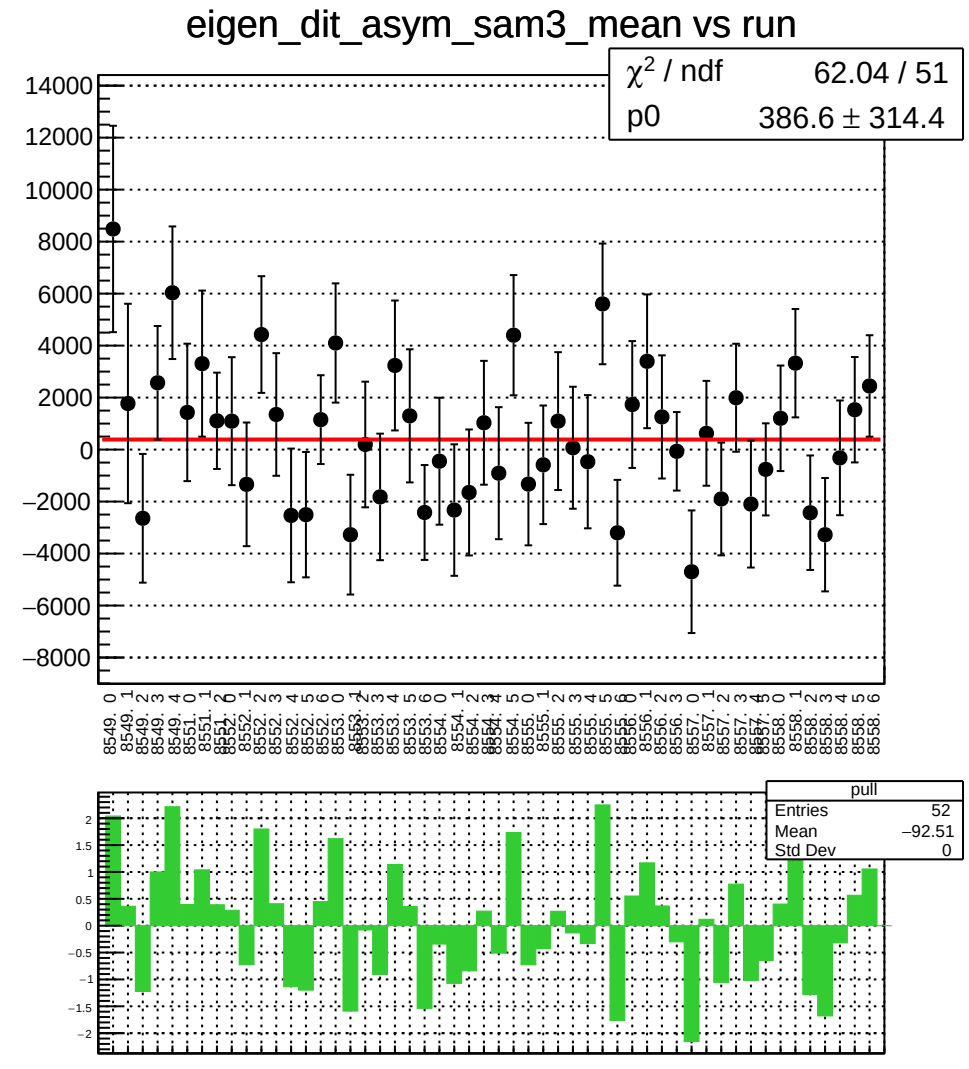
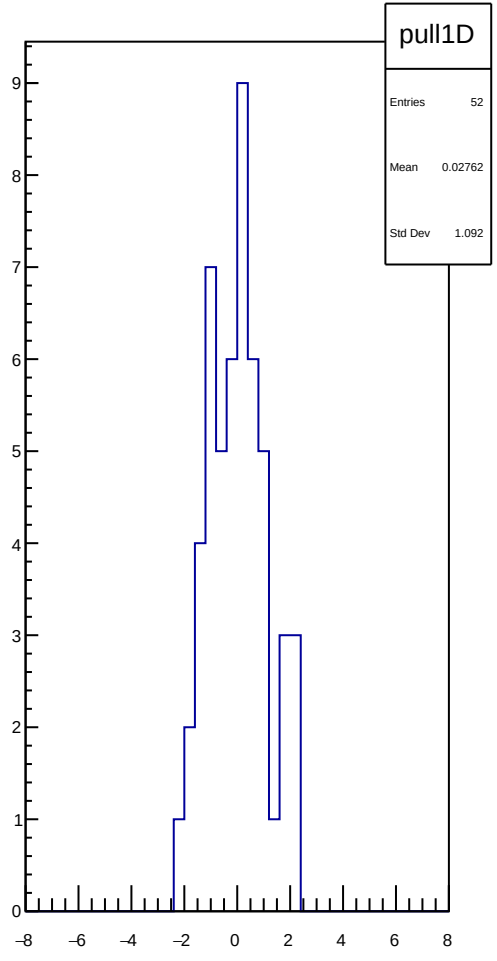
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

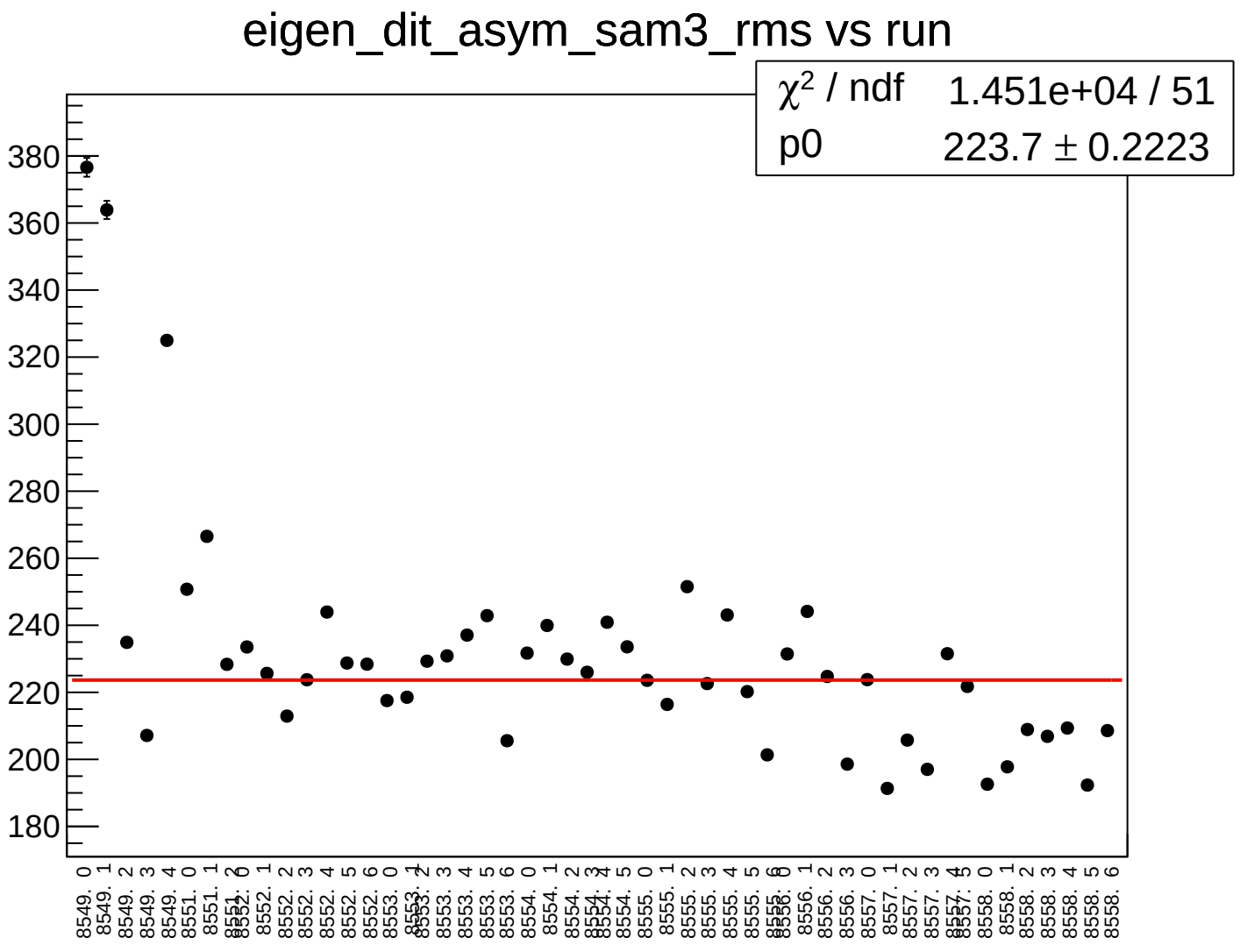

asym_sam3_dit_correction_mean vs run
×10^3
χ² / ndf 67.14 / 51
p0 −7047 ± 2985
pull
Entries 52
Mean 8.033
Std Dev 0


pull1D
Entries 52
Mean −0.03338
Std Dev 1.136


asym_sam3_dit_correction_rms vs run
χ² / ndf 2785 / 51
p0 2136 ± 2.111
2400
2300
2200
2100
2000
1900
1800
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6


eigen_dit_asym_sam3_mean vs run
χ² / ndf 62.04 / 51
p0 386.6 ± 314.4
pull
Entries 52
Mean −92.51
Std Dev 0


pull1D
Entries 52
Mean 0.02762
Std Dev 1.092


eigen_dit_asym_sam3_rms vs run
χ² / ndf 1.451e+04 / 51
p0 223.7 ± 0.2223
380
360
340
320
300
280
260
240
220
200
180
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8555. 0
8555. 1
8555. 2
8555. 3
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8556. 2
8556. 3
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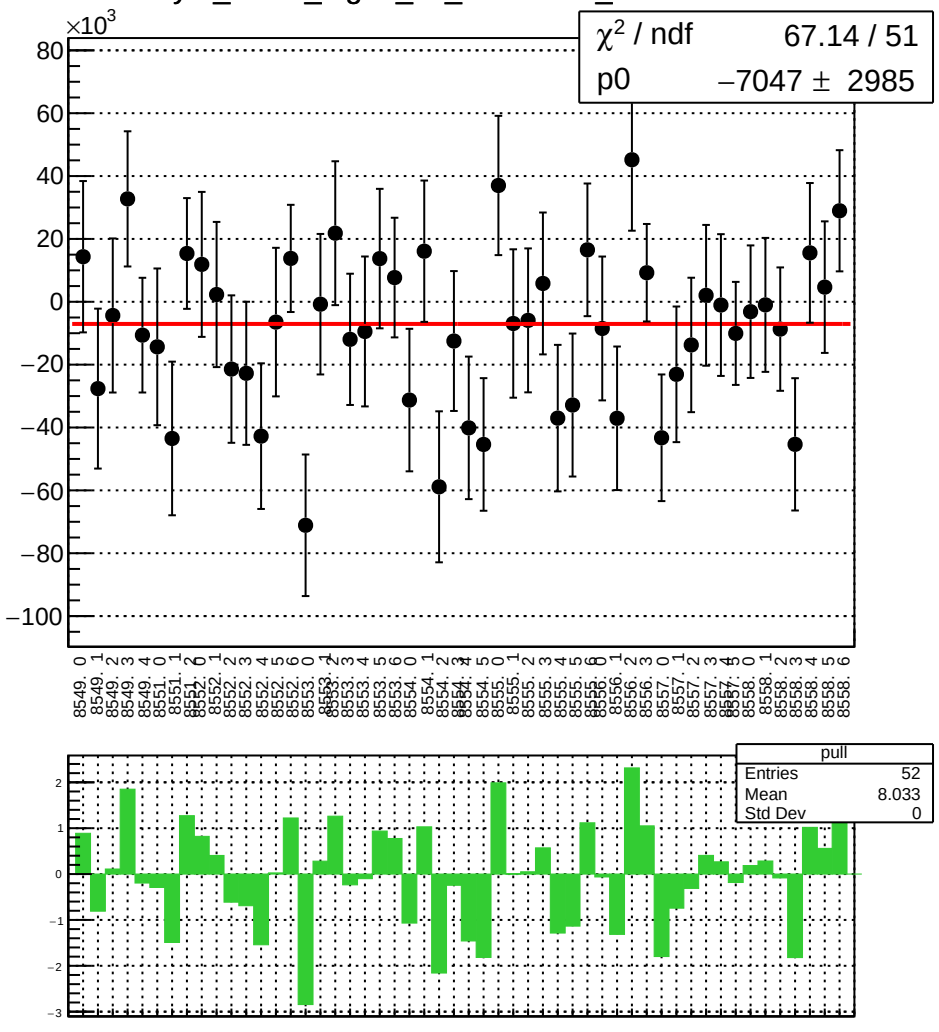
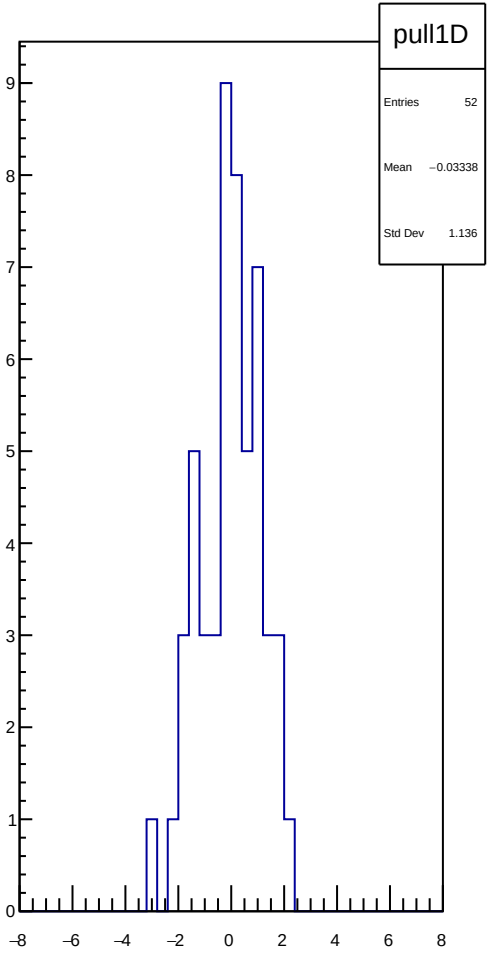
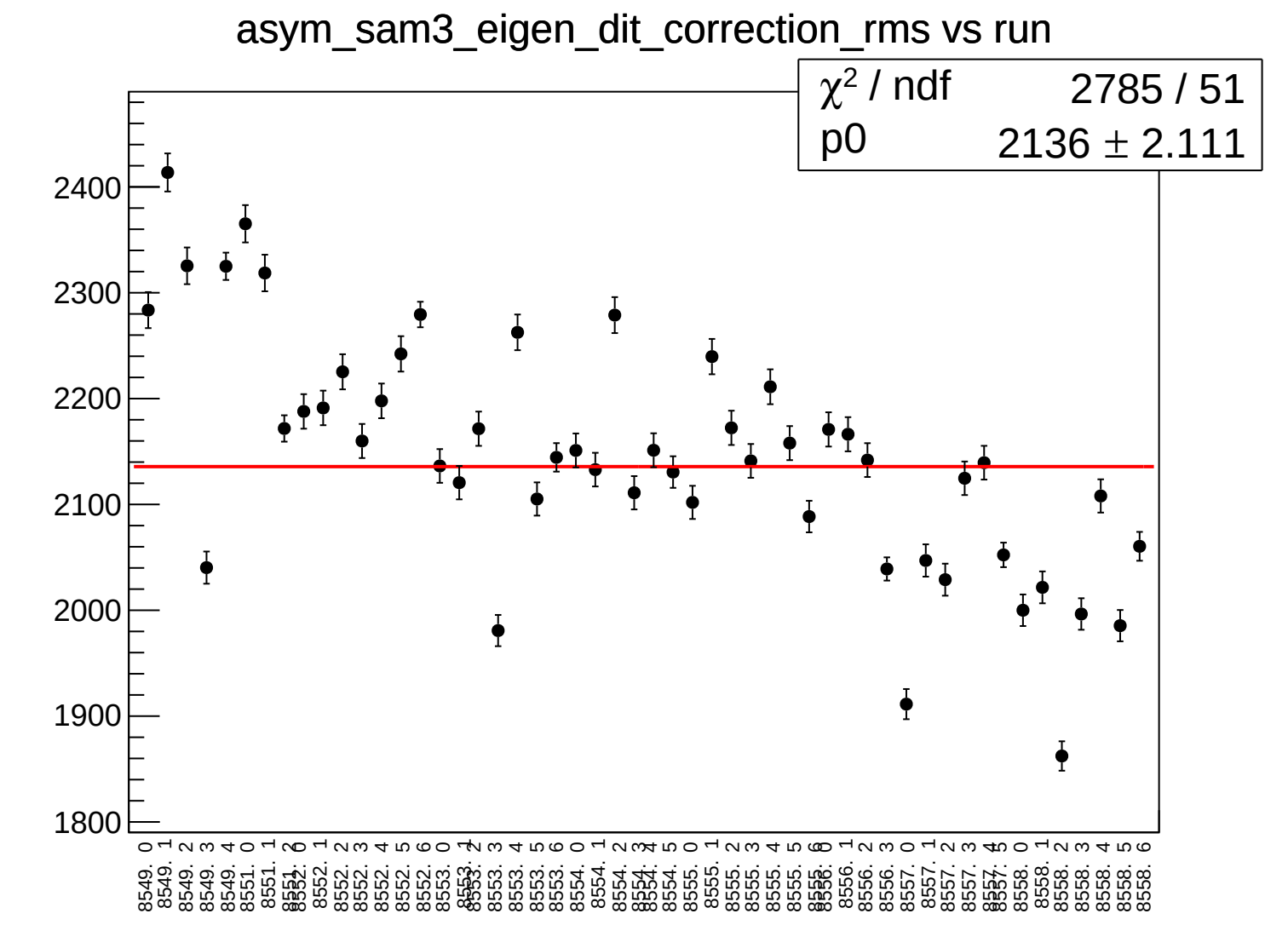
8558. 5
8558. 6


asym_sam3_eigen_dit_correction_mean vs run
×10^3
χ² / ndf 67.14 / 51
p0 −7047 ± 2985
pull
Entries 52
Mean 8.033
Std Dev 0


pull1D
Entries 52
Mean −0.03338
Std Dev 1.136


asym_sam3_eigen_dit_correction_rms vs run
χ² / ndf 2785 / 51
p0 2136 ± 2.111
2400
2300
2200
2100
2000
1900
1800
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
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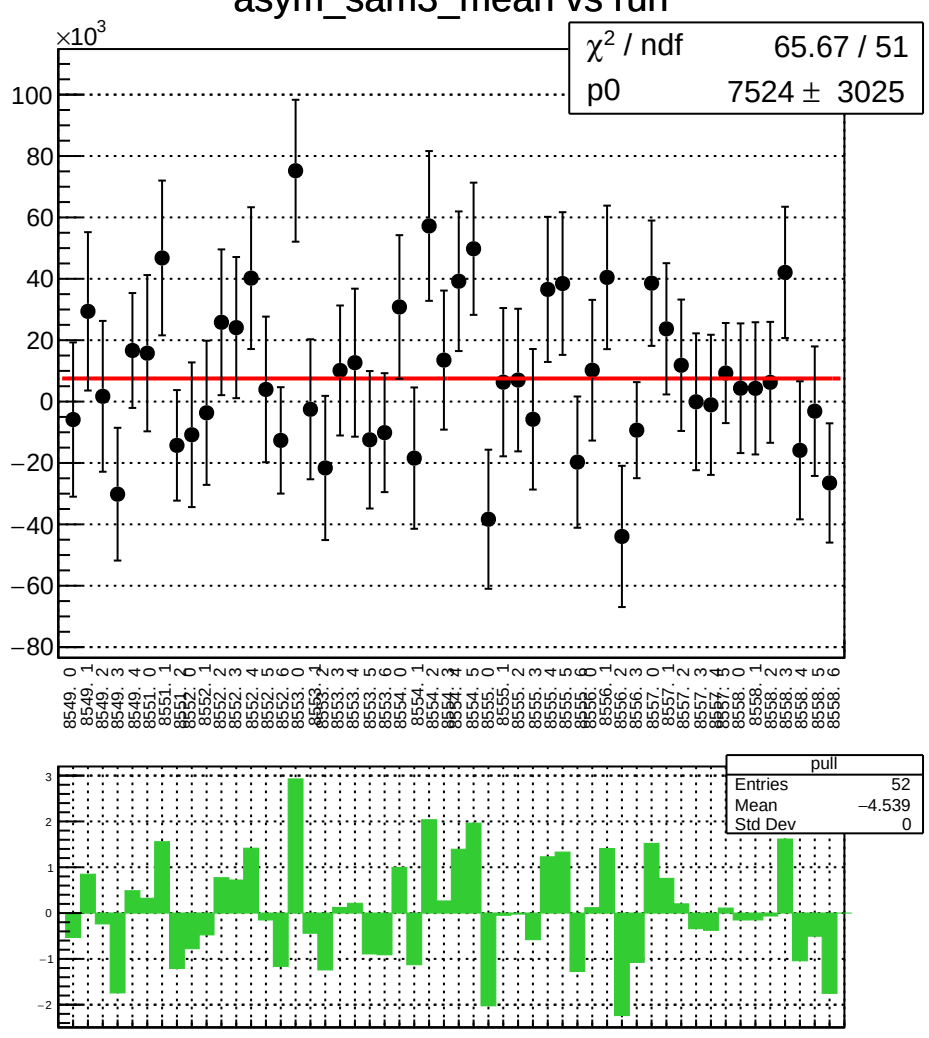
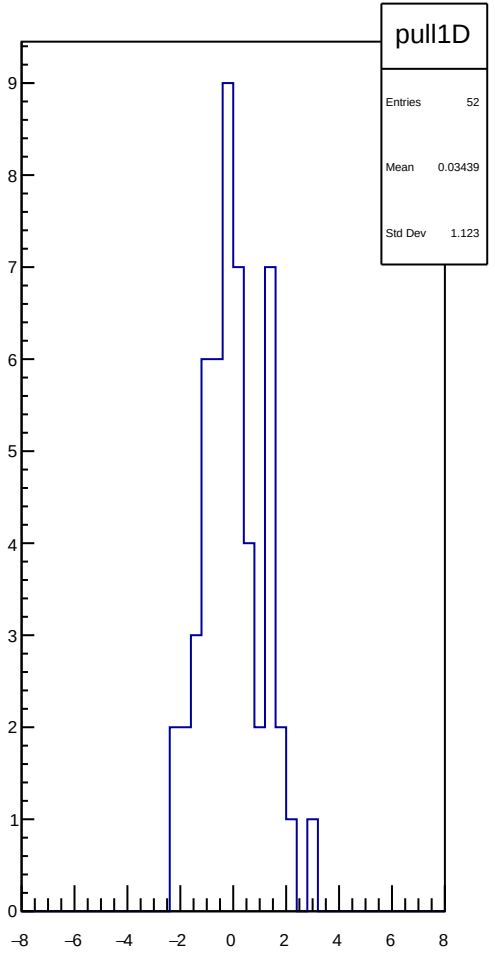
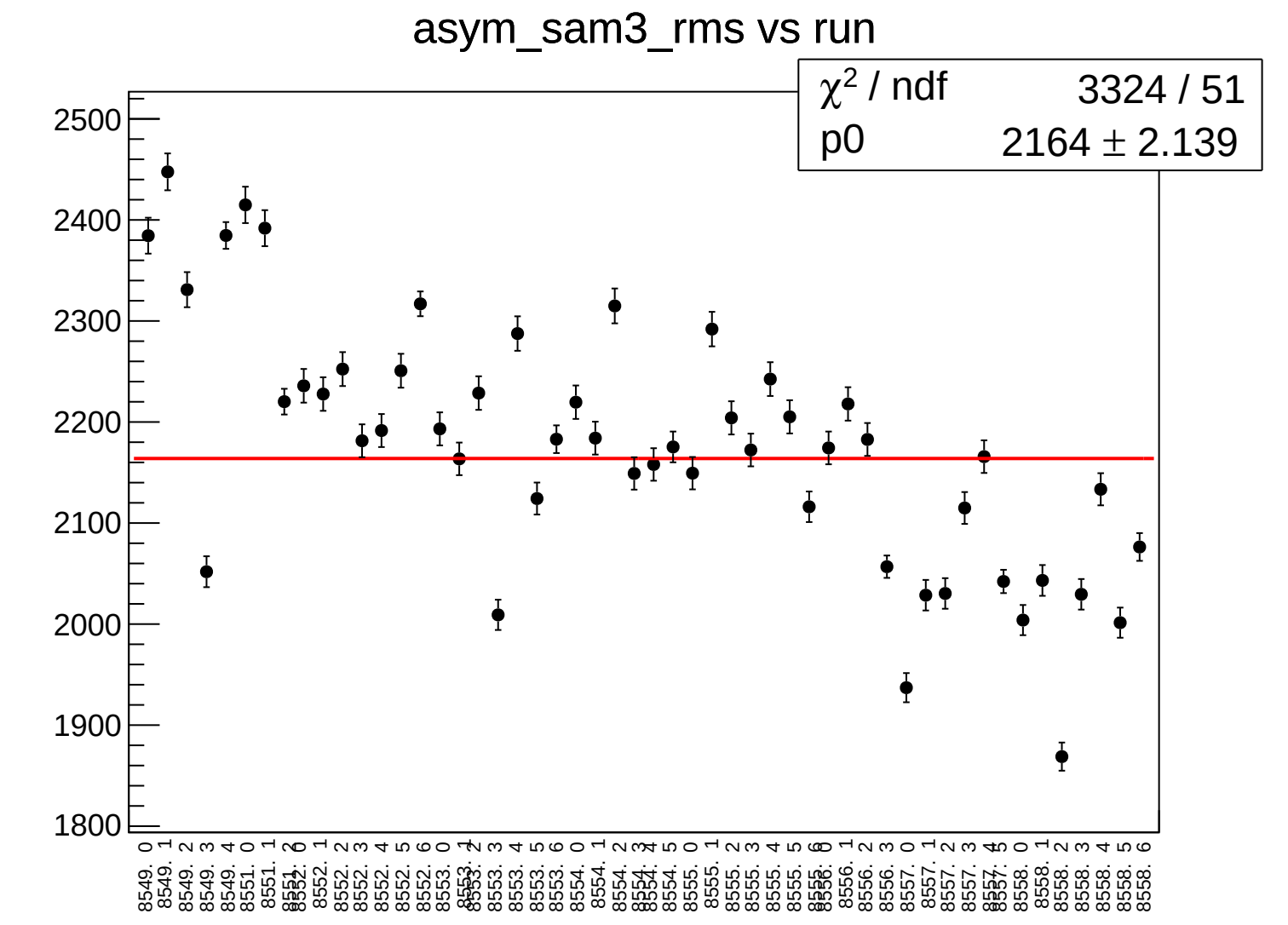
8558. 5
8558. 6


asym_sam3_mean vs run
×10^3
χ² / ndf 65.67 / 51
p0 7524 ± 3025
pull
Entries 52
Mean −4.539
Std Dev 0


pull1D
Entries 52
Mean 0.03439
Std Dev 1.123


asym_sam3_rms vs run
χ² / ndf 3324 / 51
p0 2164 ± 2.139
2500
2400
2300
2200
2100
2000
1900
1800
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
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8554. 2
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8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
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8557. 3
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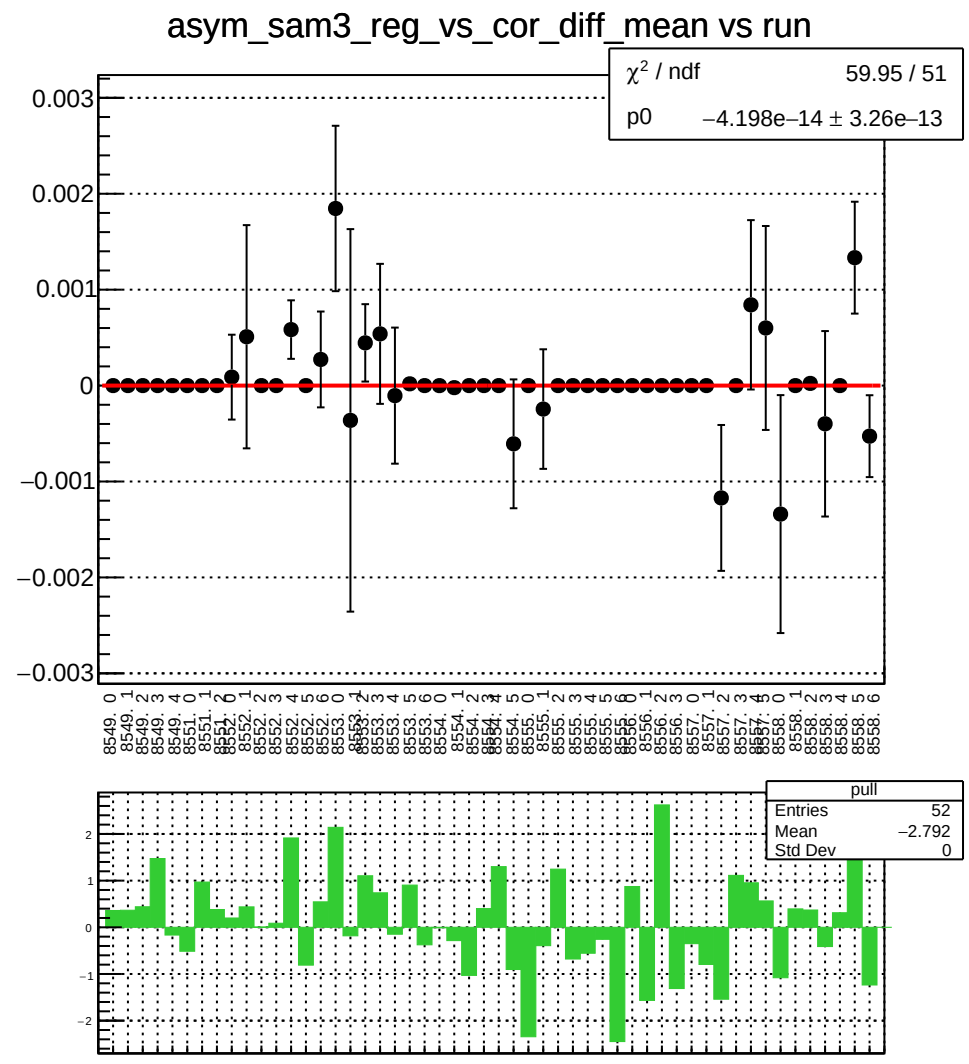
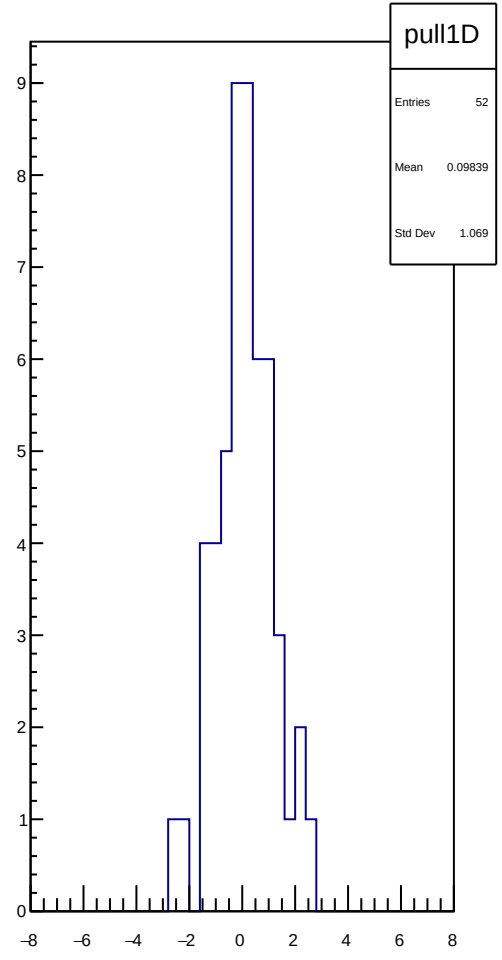
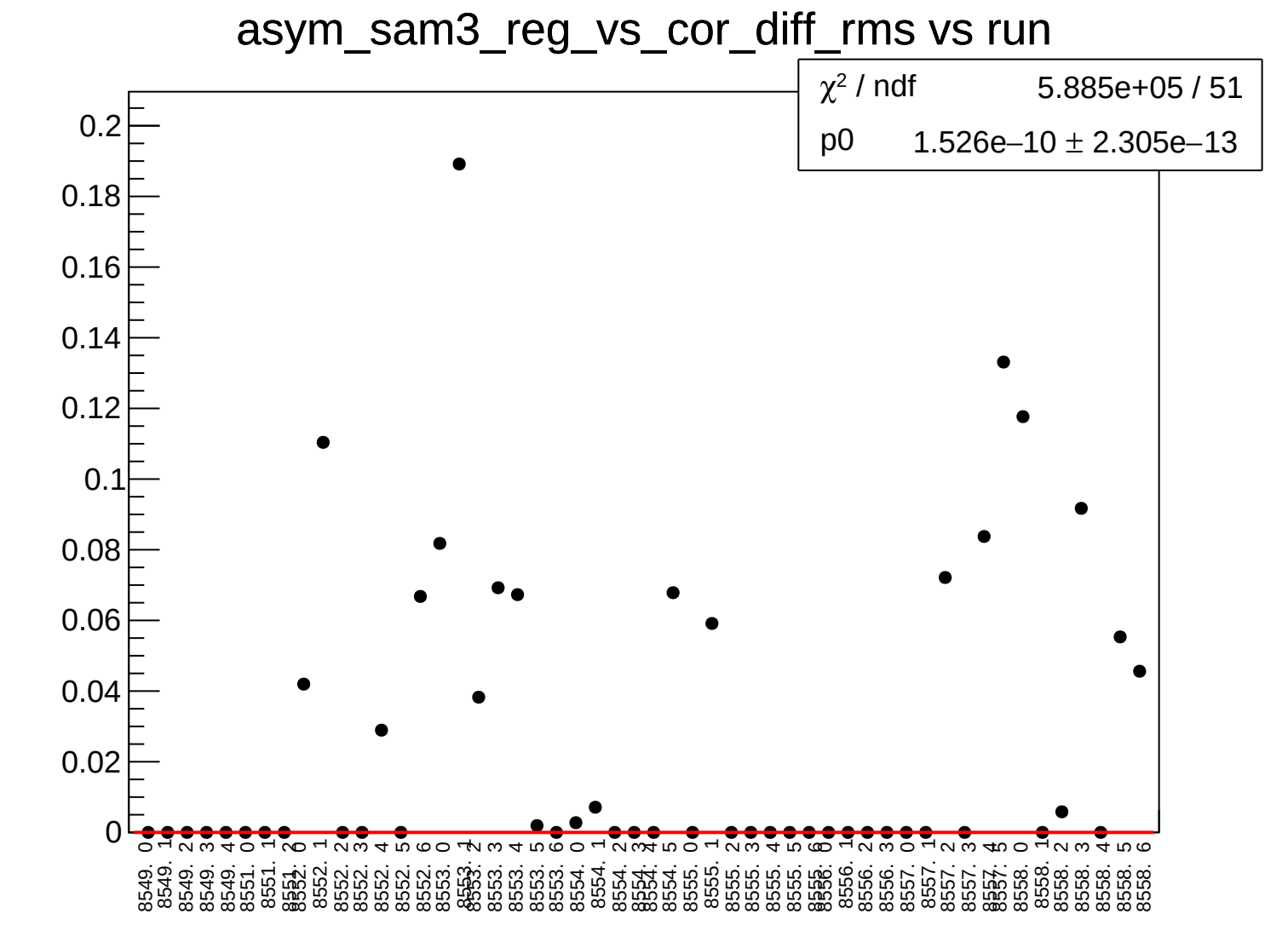
8558. 6


asym_sam3_reg_vs_cor_diff_mean vs run
χ² / ndf 59.95 / 51
p0 −4.198e−14 ± 3.26e−13
0.003
0.002
0.001
0
−0.001
−0.002
−0.003
pull
Entries 52
Mean −2.792
Std Dev 0
2
1
0
−1
−2


pull1D
Entries 52
Mean 0.09839
Std Dev 1.069
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


asym_sam3_reg_vs_cor_diff_rms vs run
χ² / ndf 5.885e+05 / 51
p0 1.526e−10 ± 2.305e−13
0.2
0.18
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02
0
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 2
8553. 3
8553. 4
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8553. 6
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8554. 1
8554. 2
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8555. 0
8555. 1
8555. 2
8555. 3
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8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
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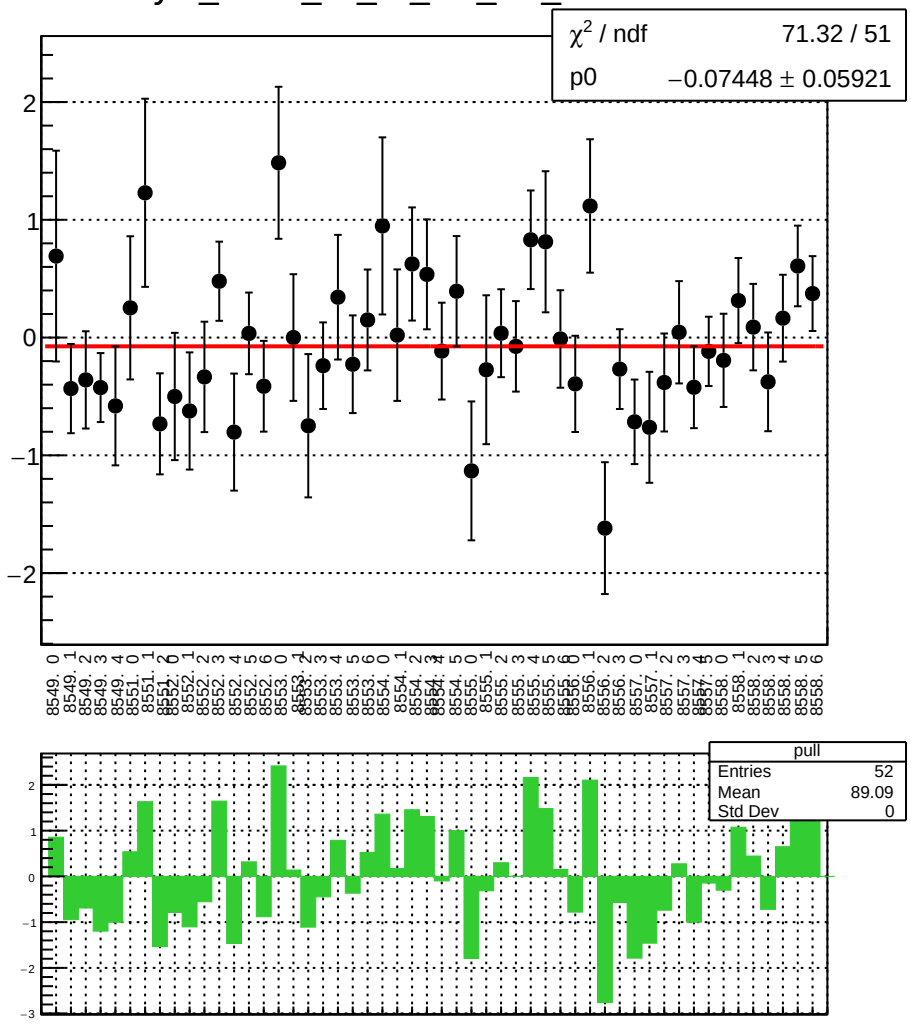
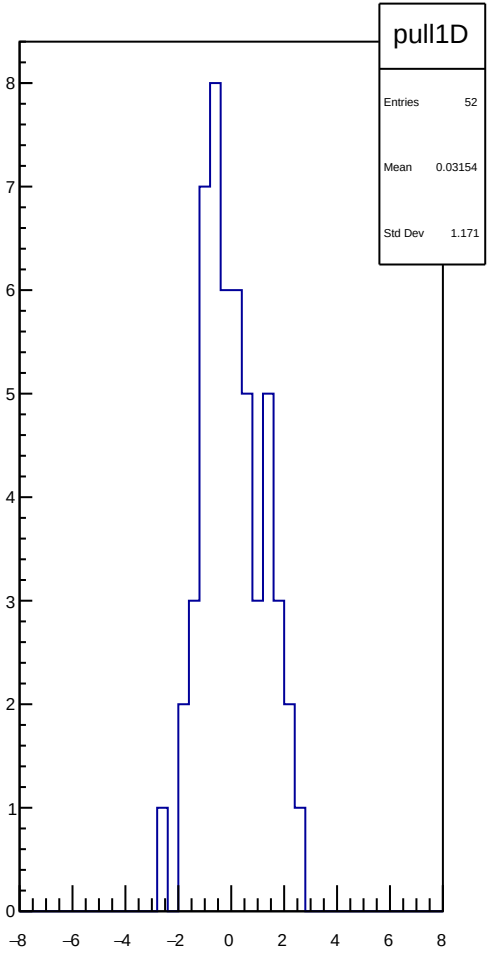
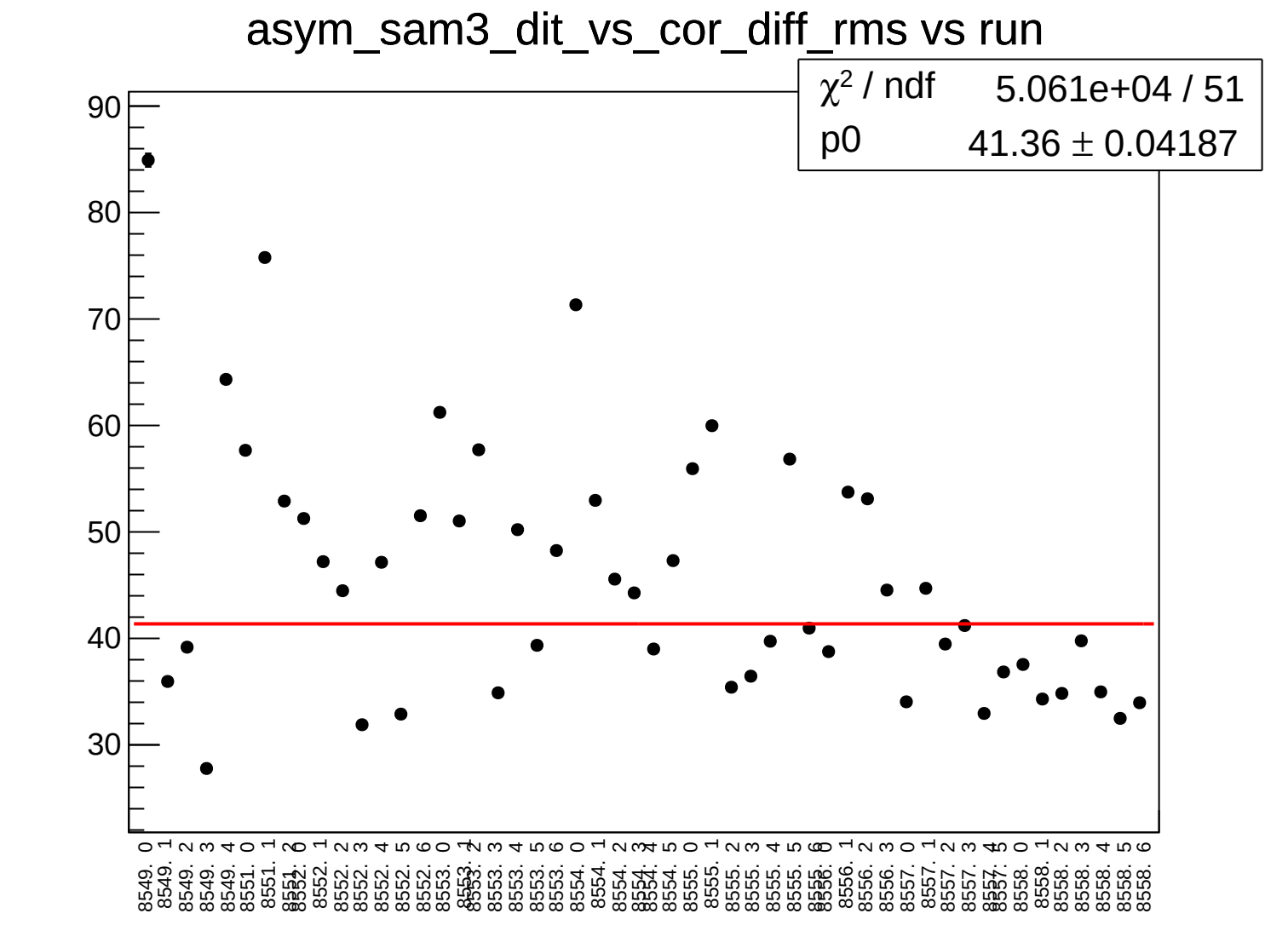
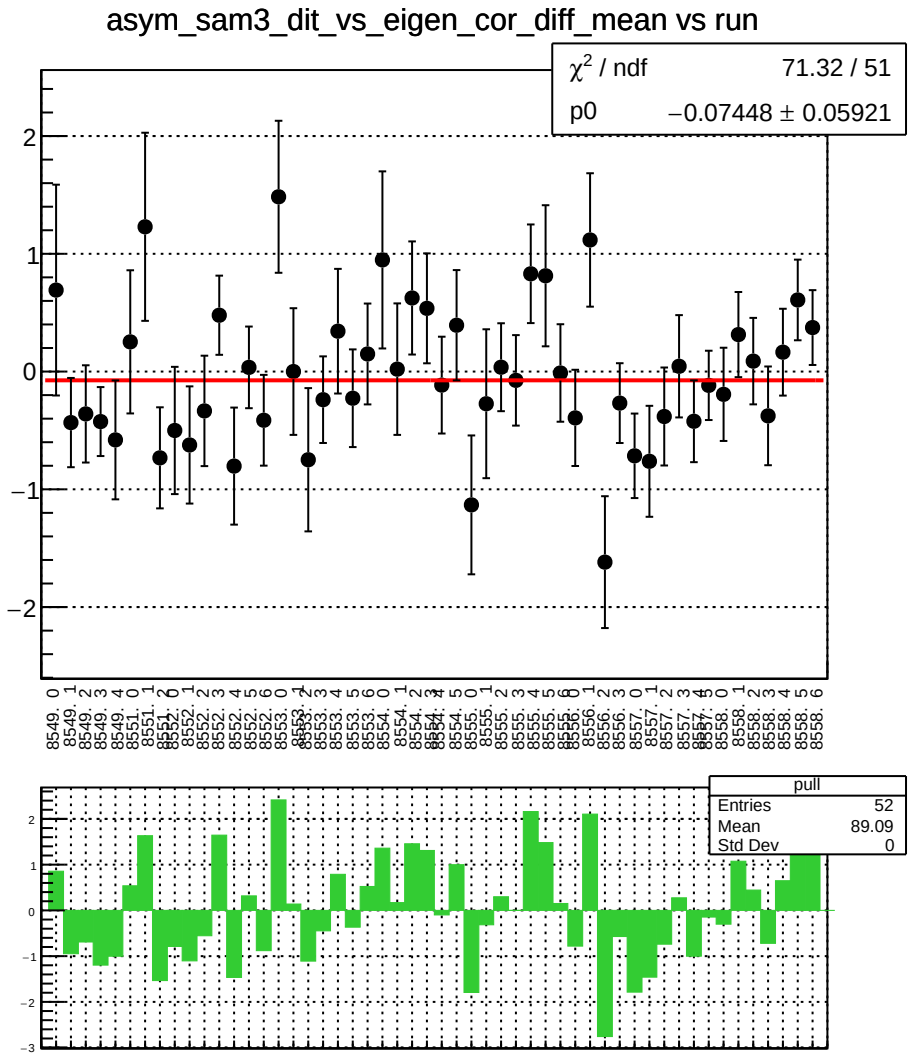
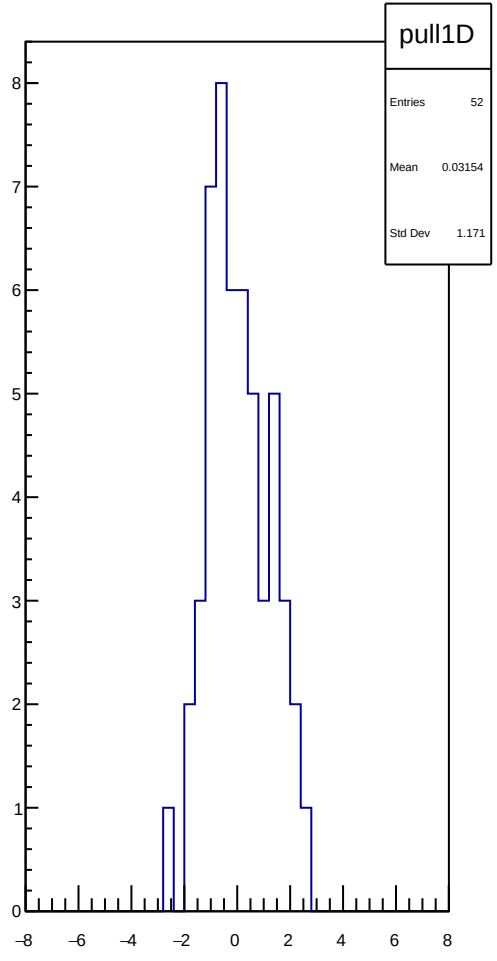
8558. 5
8558. 6

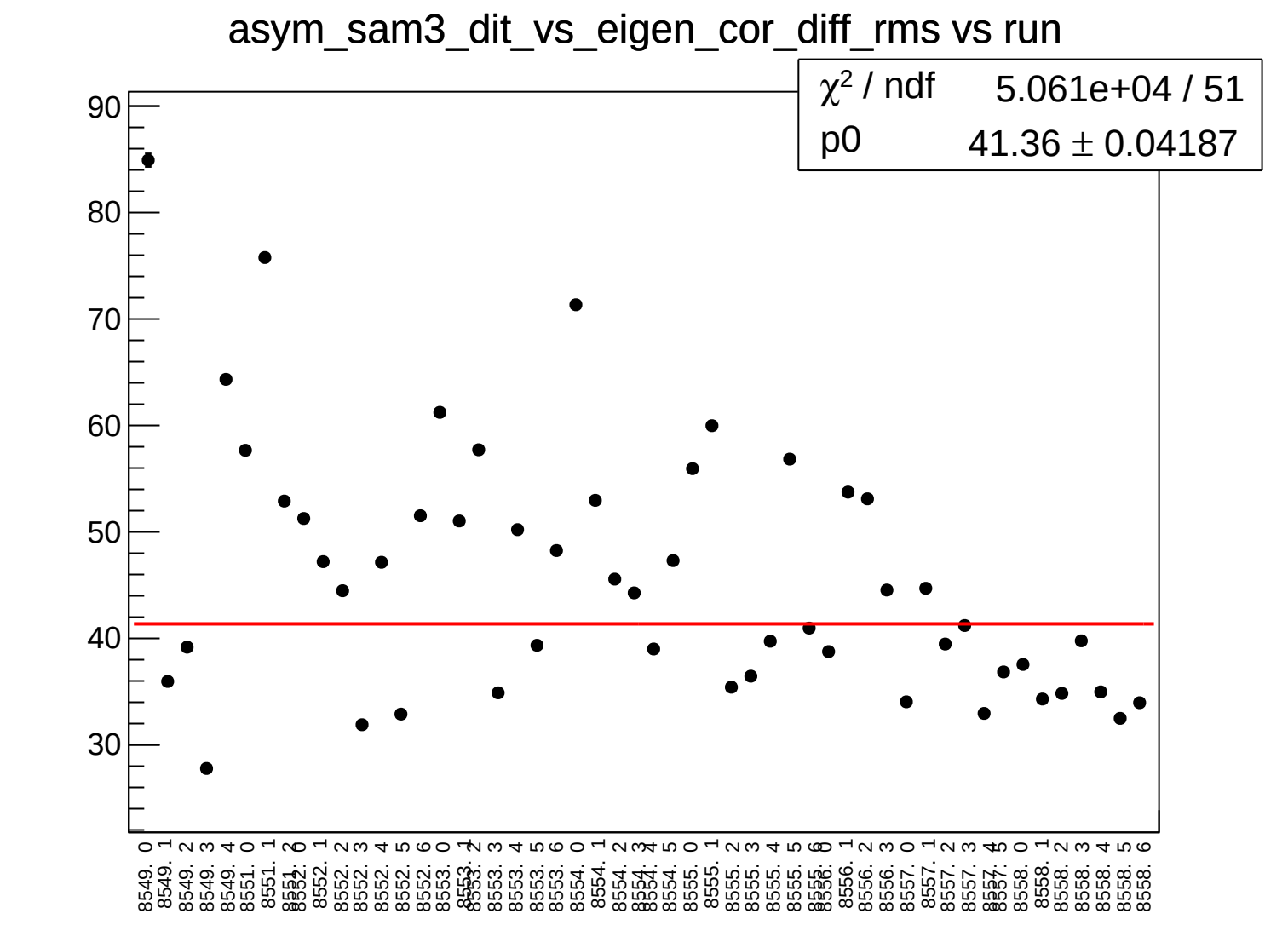

asym_sam3_dit_vs_cor_diff_mean vs run
χ² / ndf 71.32 / 51
p0 −0.07448 ± 0.05921
pull
Entries 52
Mean 89.09
Std Dev 0

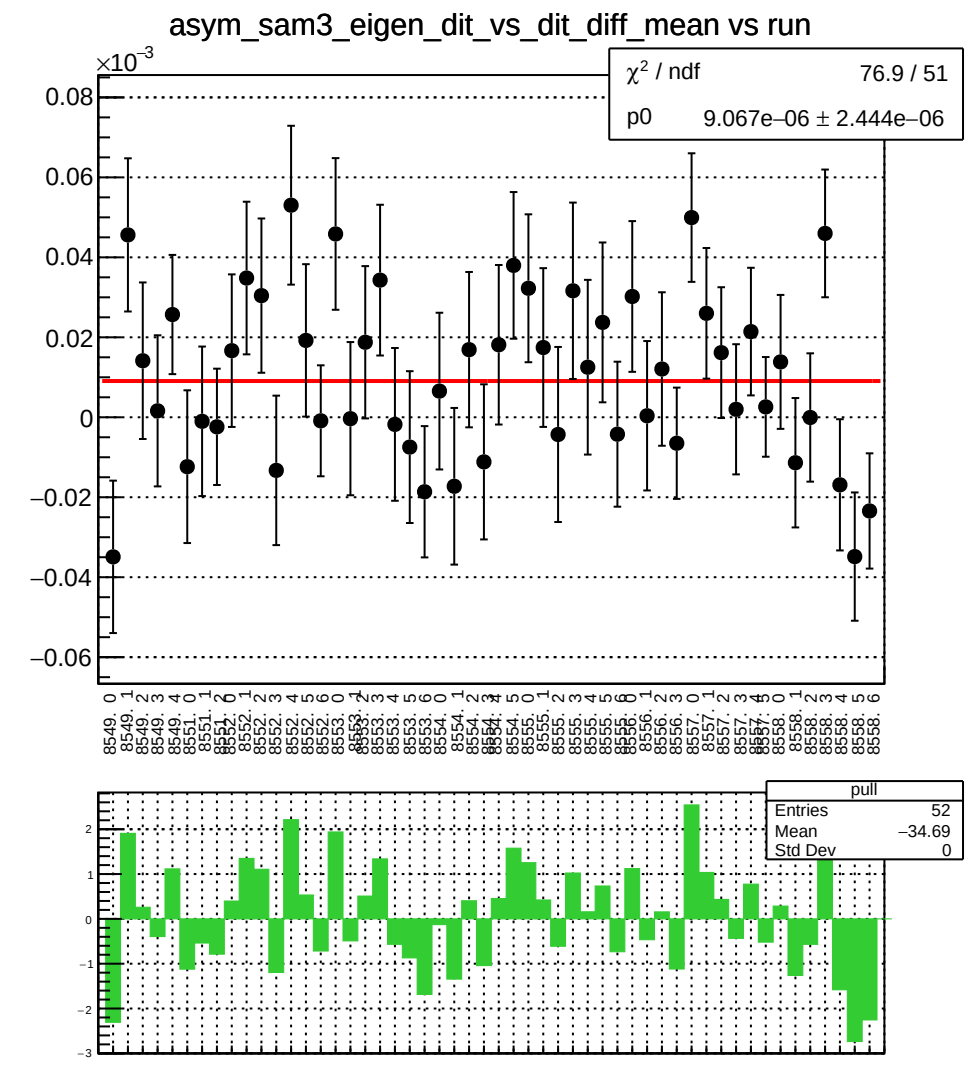

pull1D
Entries 52
Mean 0.03154
Std Dev 1.171

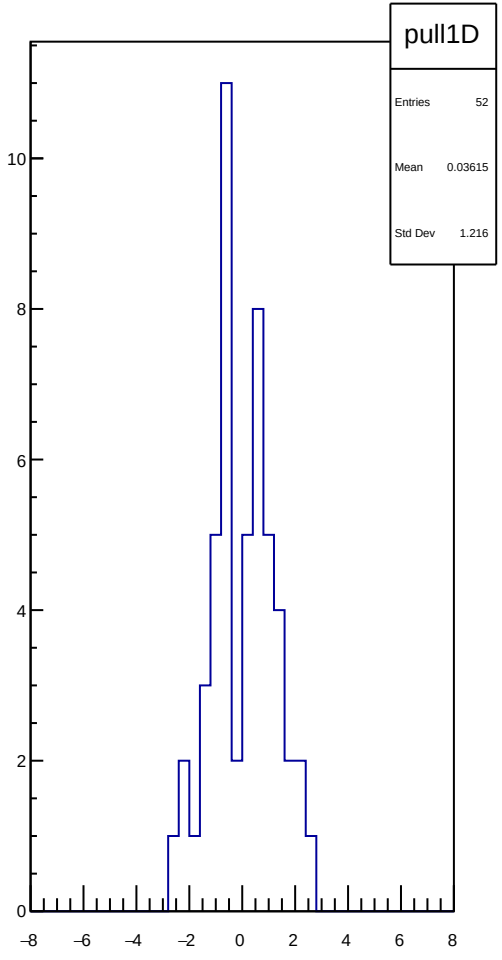

asym_sam3_dit_vs_cor_diff_rms vs run
χ² / ndf 5.061e+04 / 51
p0 41.36 ± 0.04187
90
80
70
60
50
40
30
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 5
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

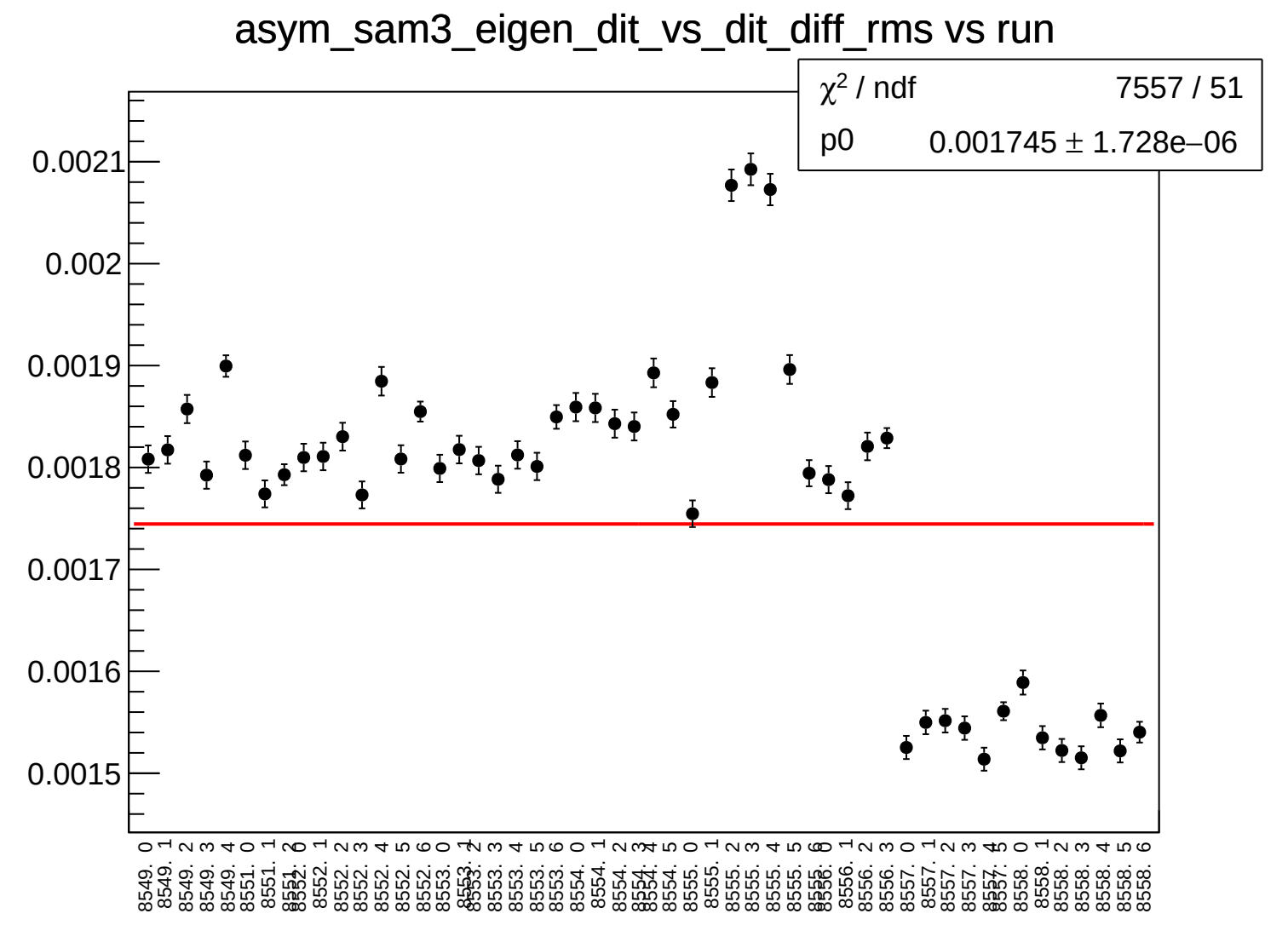

asym_sam3_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 71.32 / 51
p0 −0.07448 ± 0.05921
pull
Entries 52
Mean 89.09
Std Dev 0

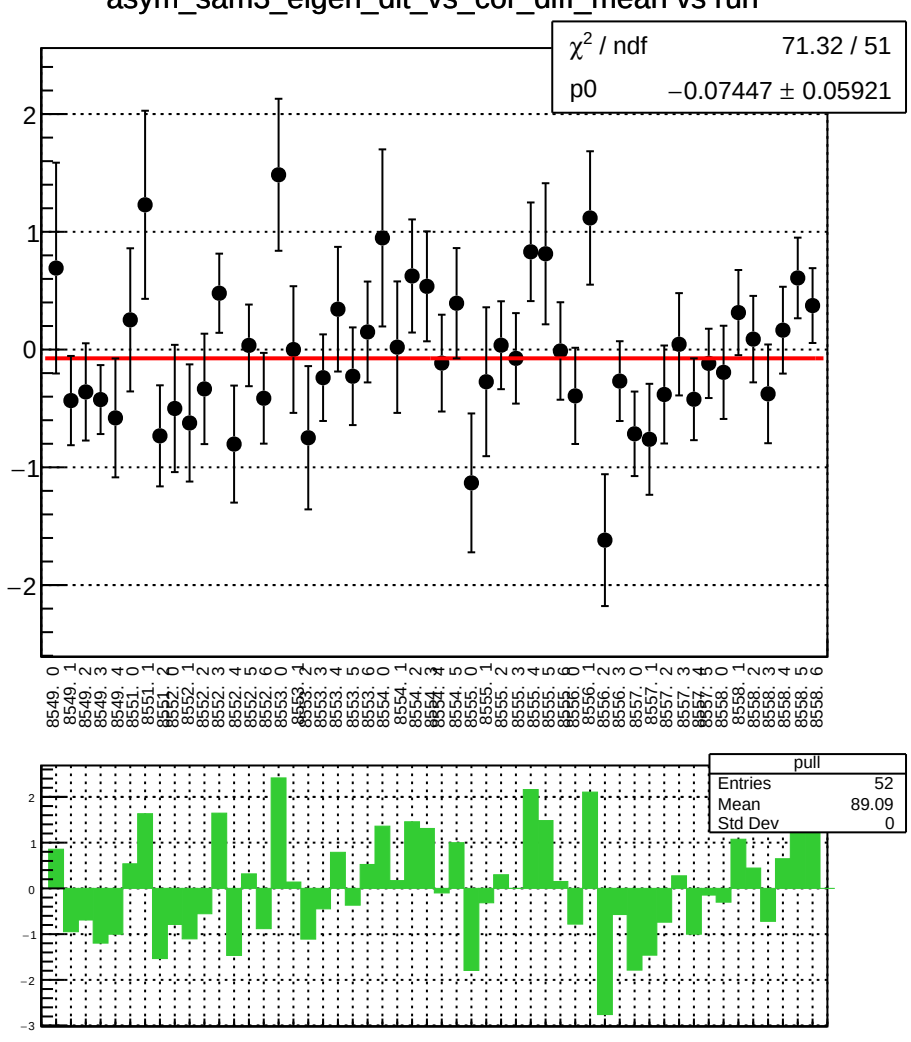

pull1D
Entries 52
Mean 0.03154
Std Dev 1.171

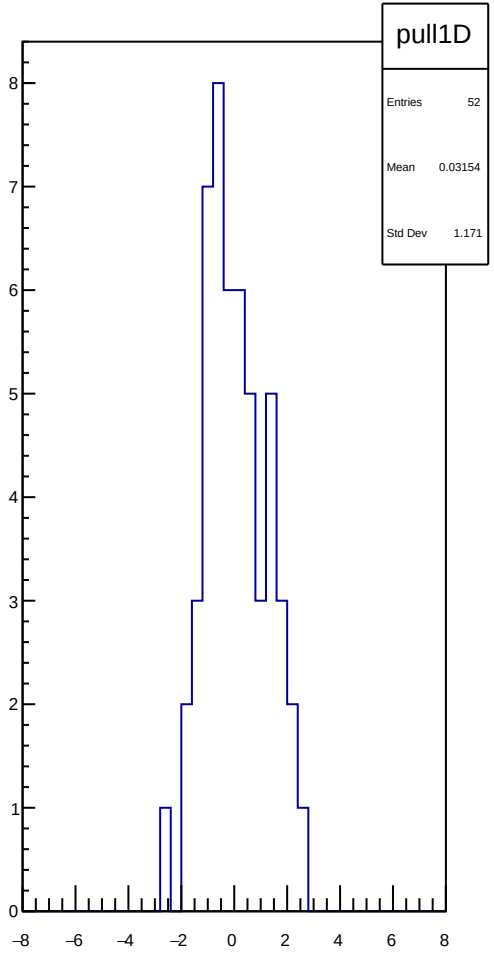

asym_sam3_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 5.061e+04 / 51
p0 41.36 ± 0.04187
90
80
70
60
50
40
30
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

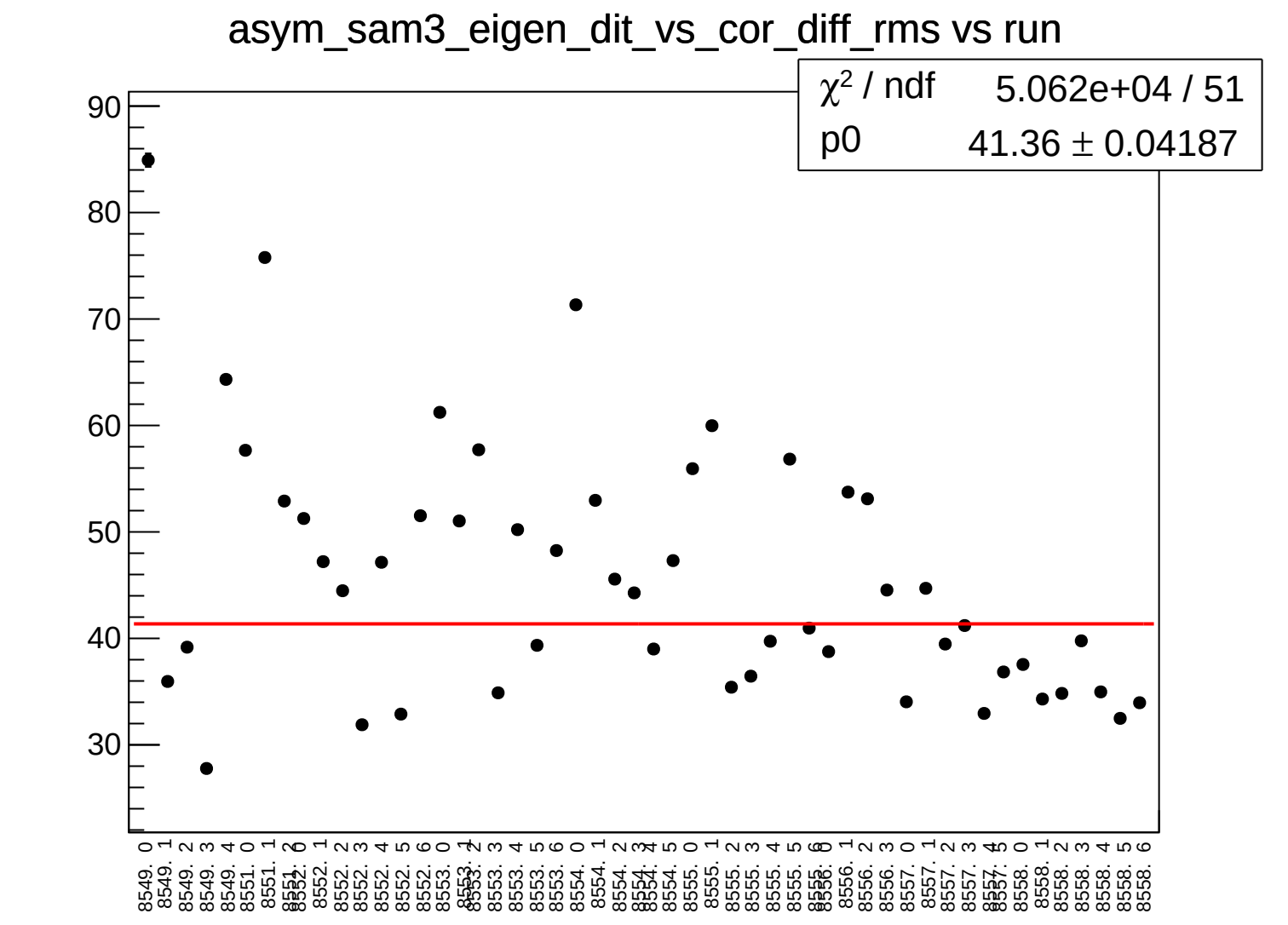

asym_sam3_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 76.9 / 51
p0 9.067e−06 ± 2.444e−06
pull
Entries 52
Mean −34.69
Std Dev 0

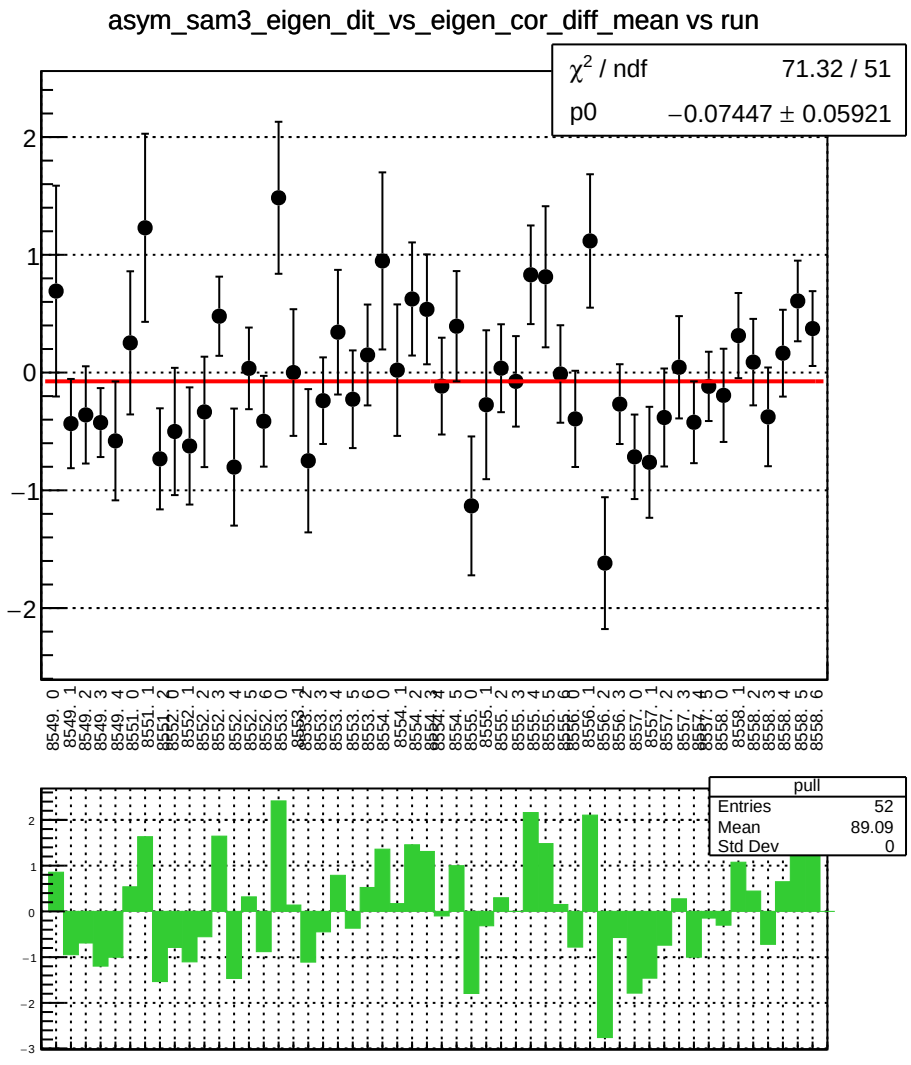

pull1D
Entries 52
Mean 0.03615
Std Dev 1.216

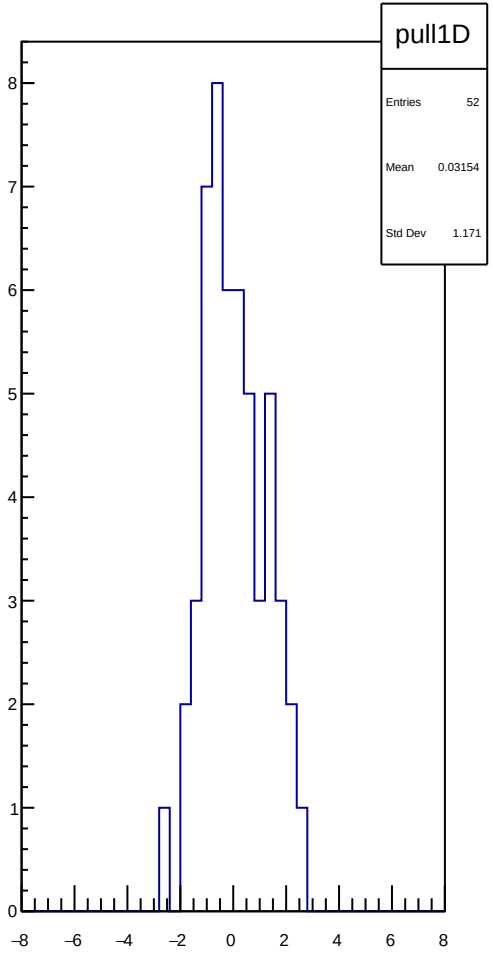

asym_sam3_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 7557 / 51
p0 0.001745 ± 1.728e−06
0.0021
0.002
0.0019
0.0018
0.0017
0.0016
0.0015
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

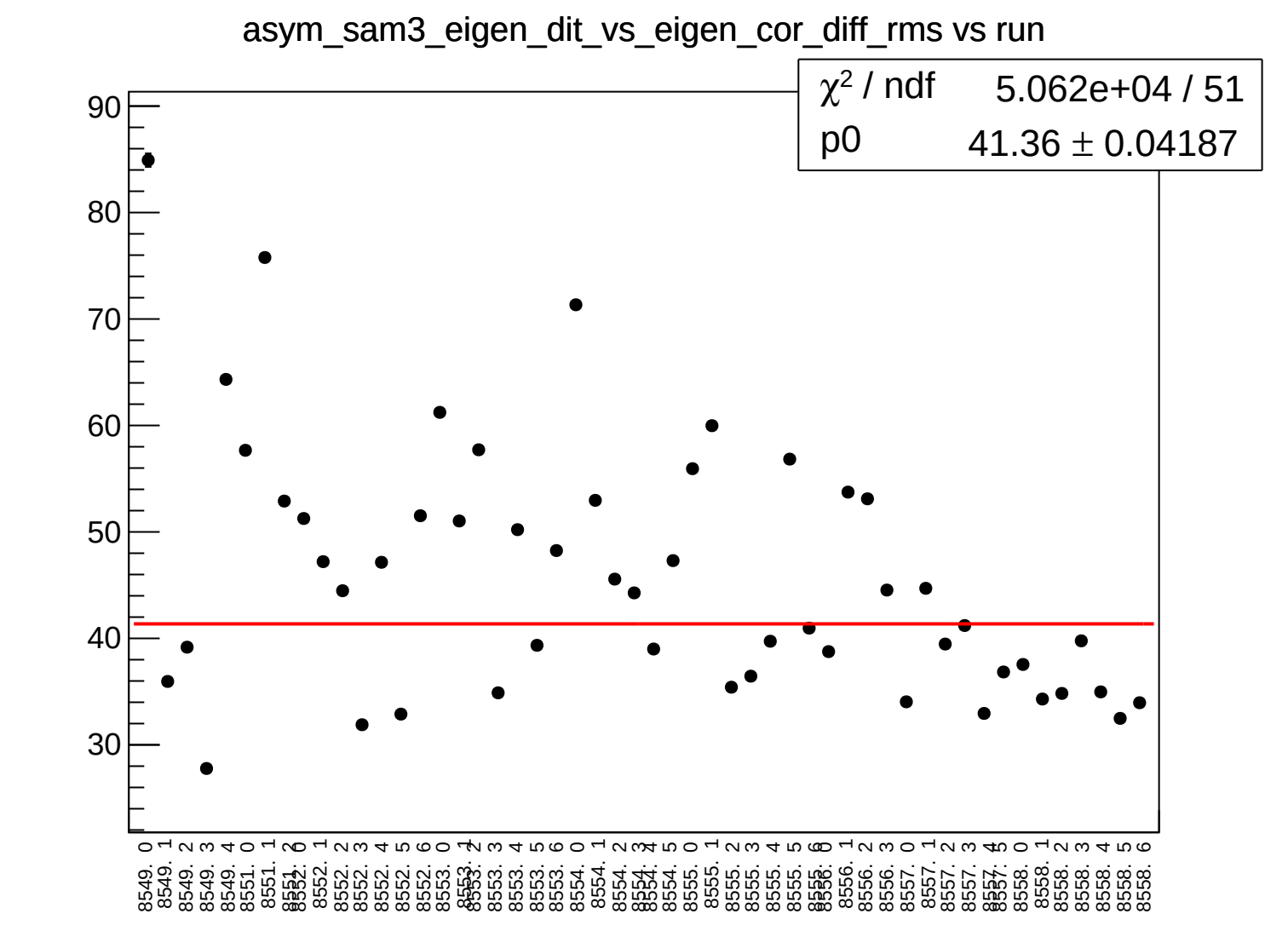

asym_sam3_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 71.32 / 51
p0 −0.07447 ± 0.05921
pull
Entries 52
Mean 89.09
Std Dev 0

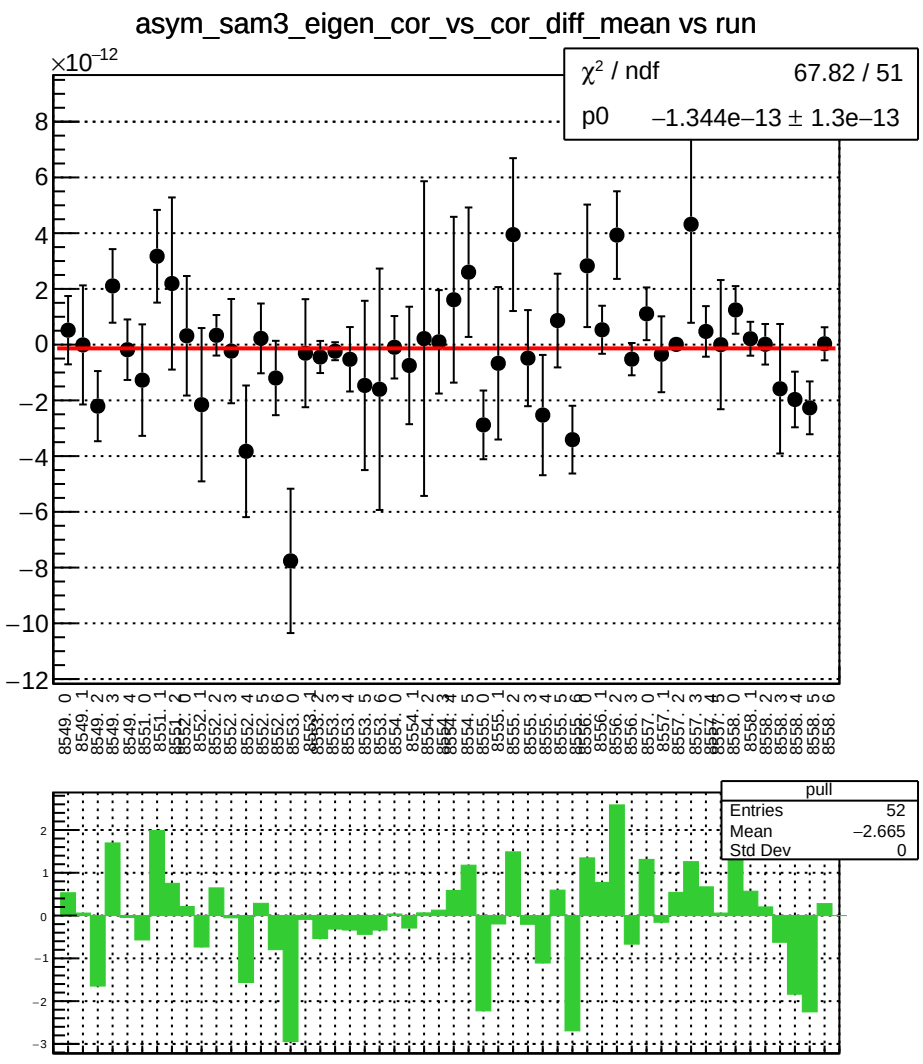

pull1D
Entries 52
Mean 0.03154
Std Dev 1.171

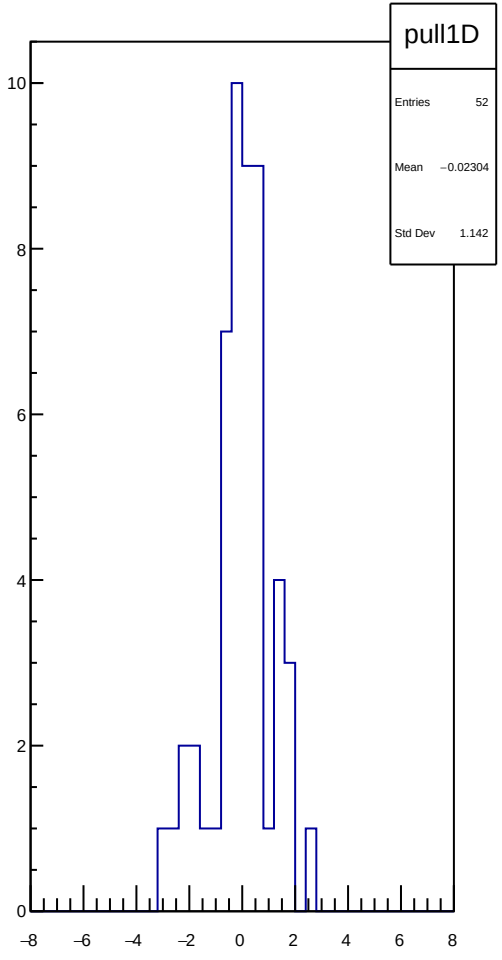

asym_sam3_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 5.062e+04 / 51
p0 41.36 ± 0.04187
90
80
70
60
50
40
30
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

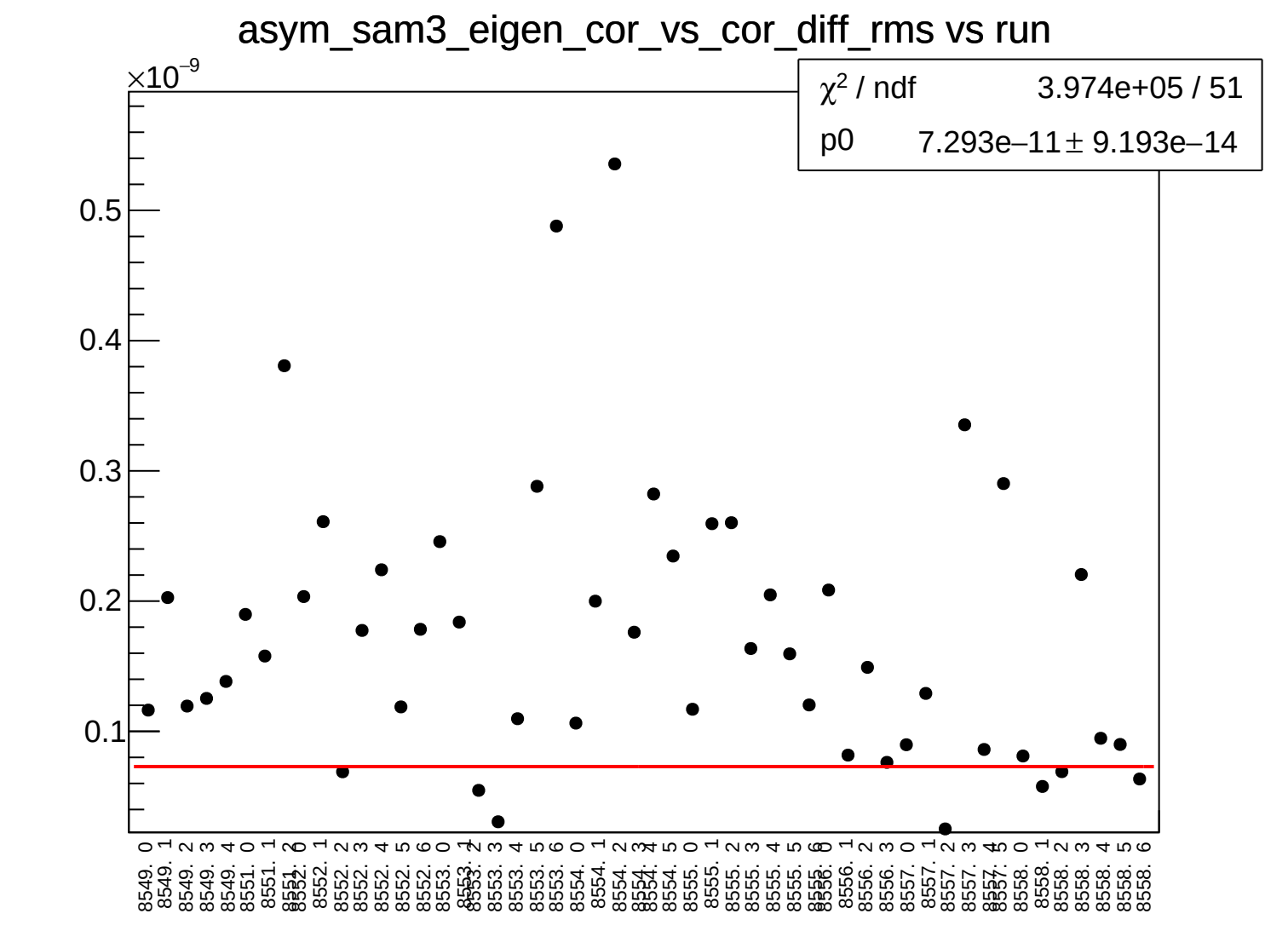

asym_sam3_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 71.32 / 51
p0 −0.07447 ± 0.05921
pull
Entries 52
Mean 89.09
Std Dev 0

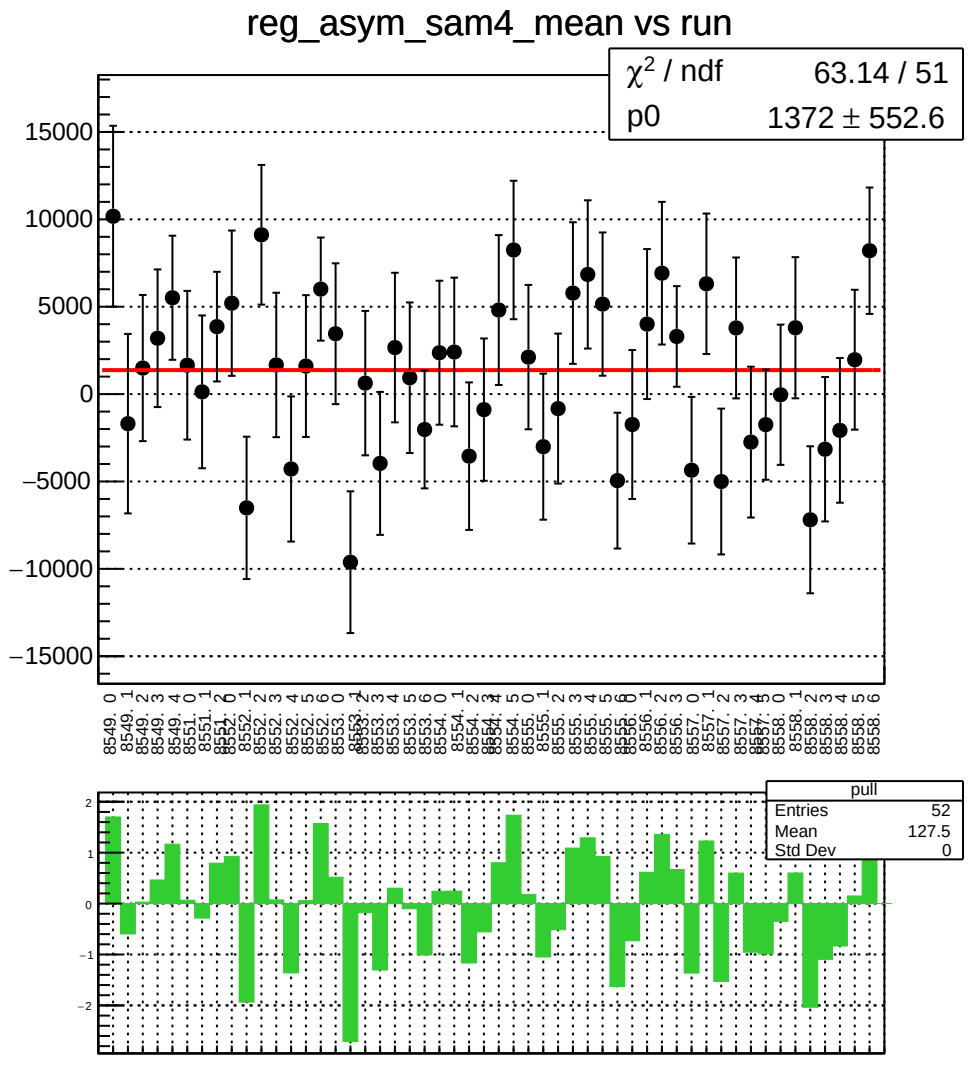

pull1D
Entries 52
Mean 0.03154
Std Dev 1.171

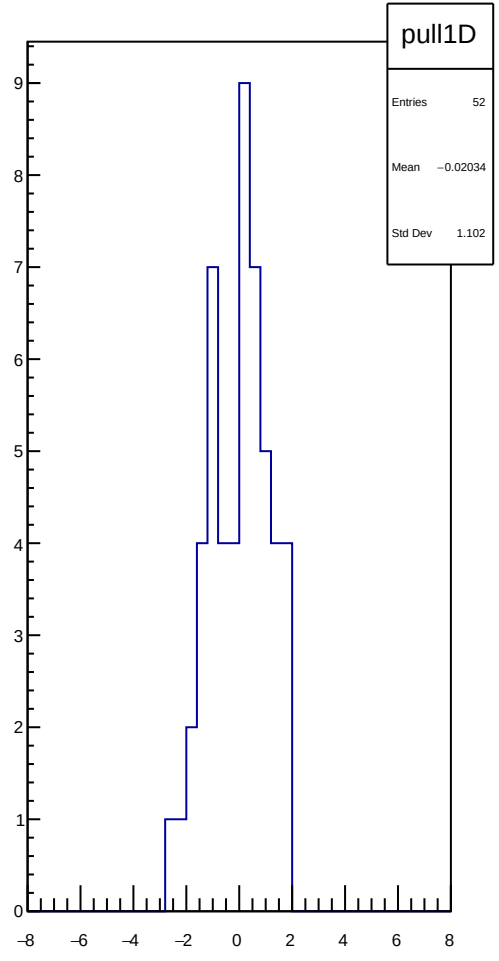

asym_sam3_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 5.062e+04 / 51
p0 41.36 ± 0.04187
90
80
70
60
50
40
30
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

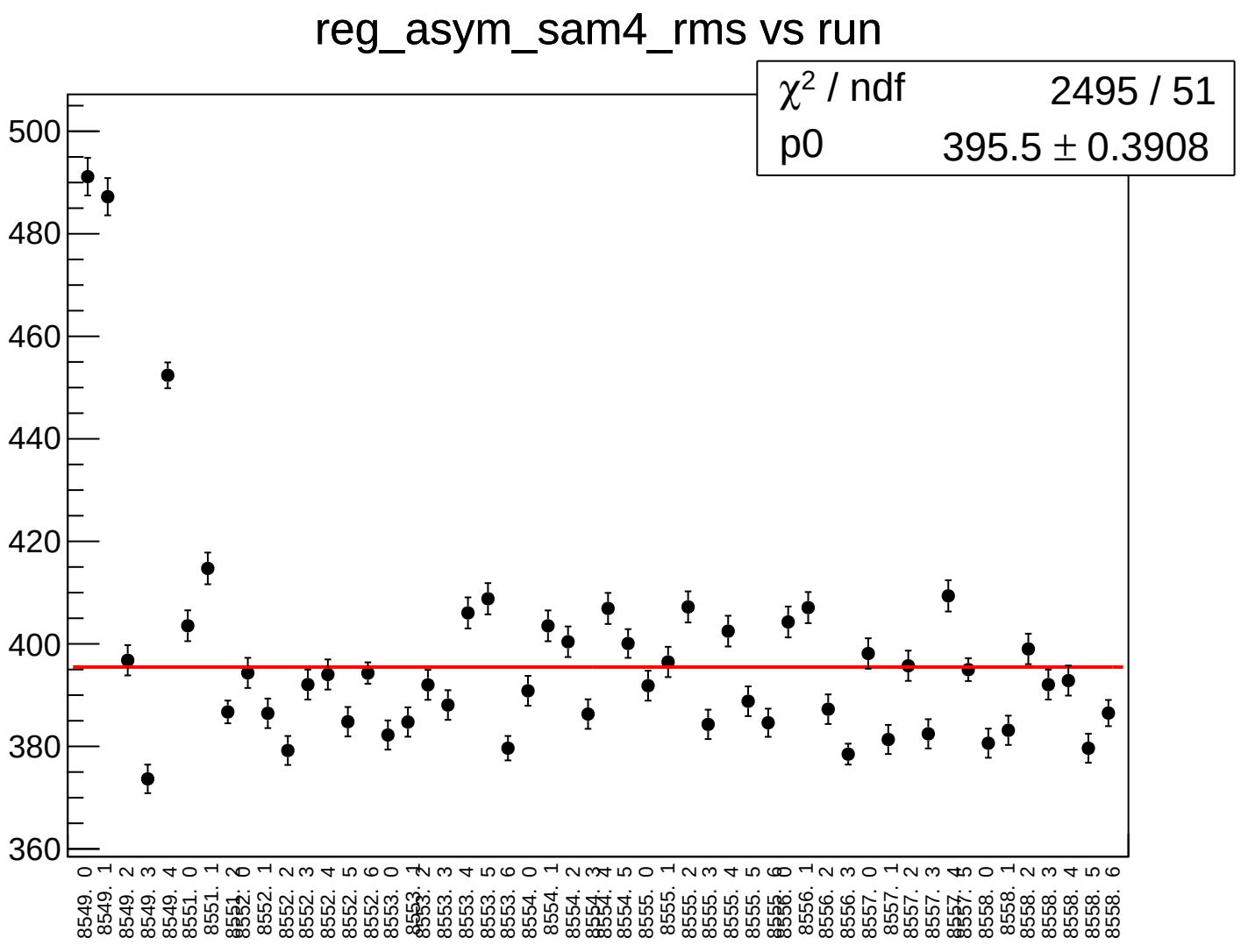

asym_sam3_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 67.82 / 51
p0 −1.344e−13 ± 1.3e−13
pull
Entries 52
Mean −2.665
Std Dev 0

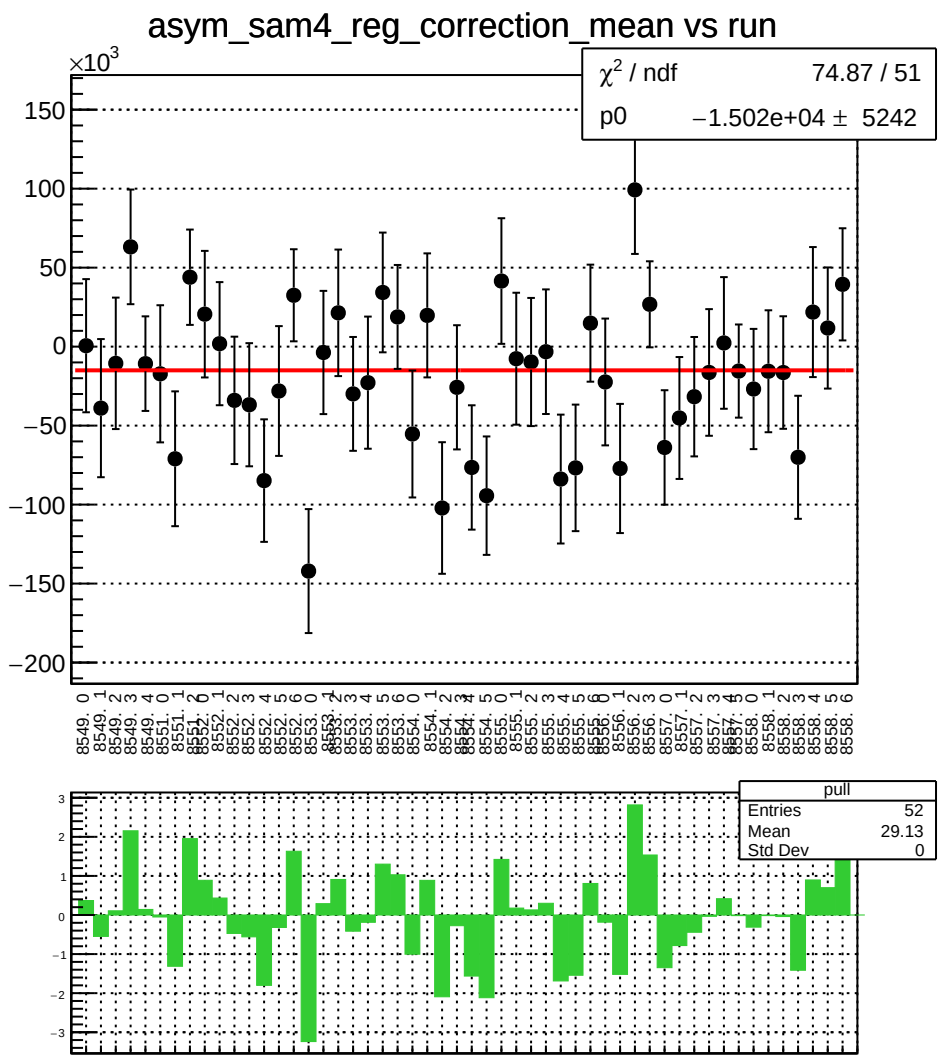

pull1D
Entries 52
Mean −0.02304
Std Dev 1.142

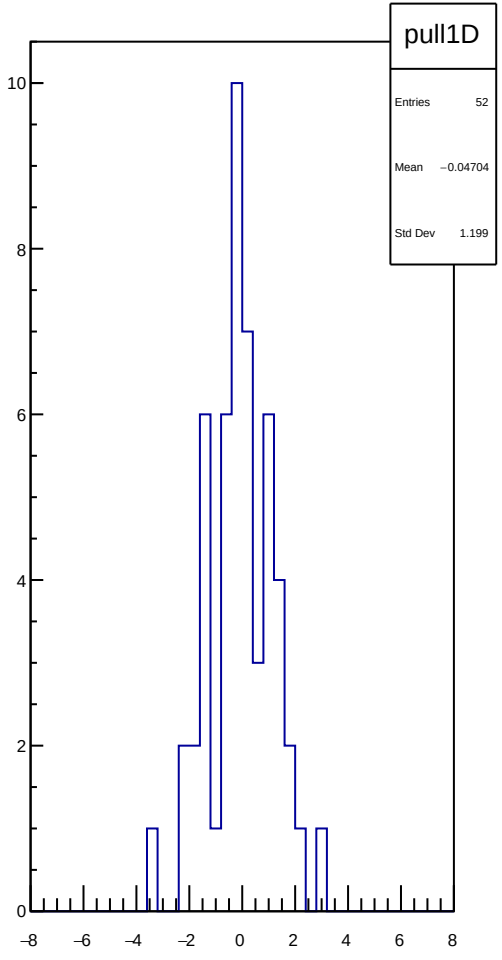

asym_sam3_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 3.974e+05 / 51
p0 7.293e−11 ± 9.193e−14
0.5
0.4
0.3
0.2
0.1
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 5
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8557. 5
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

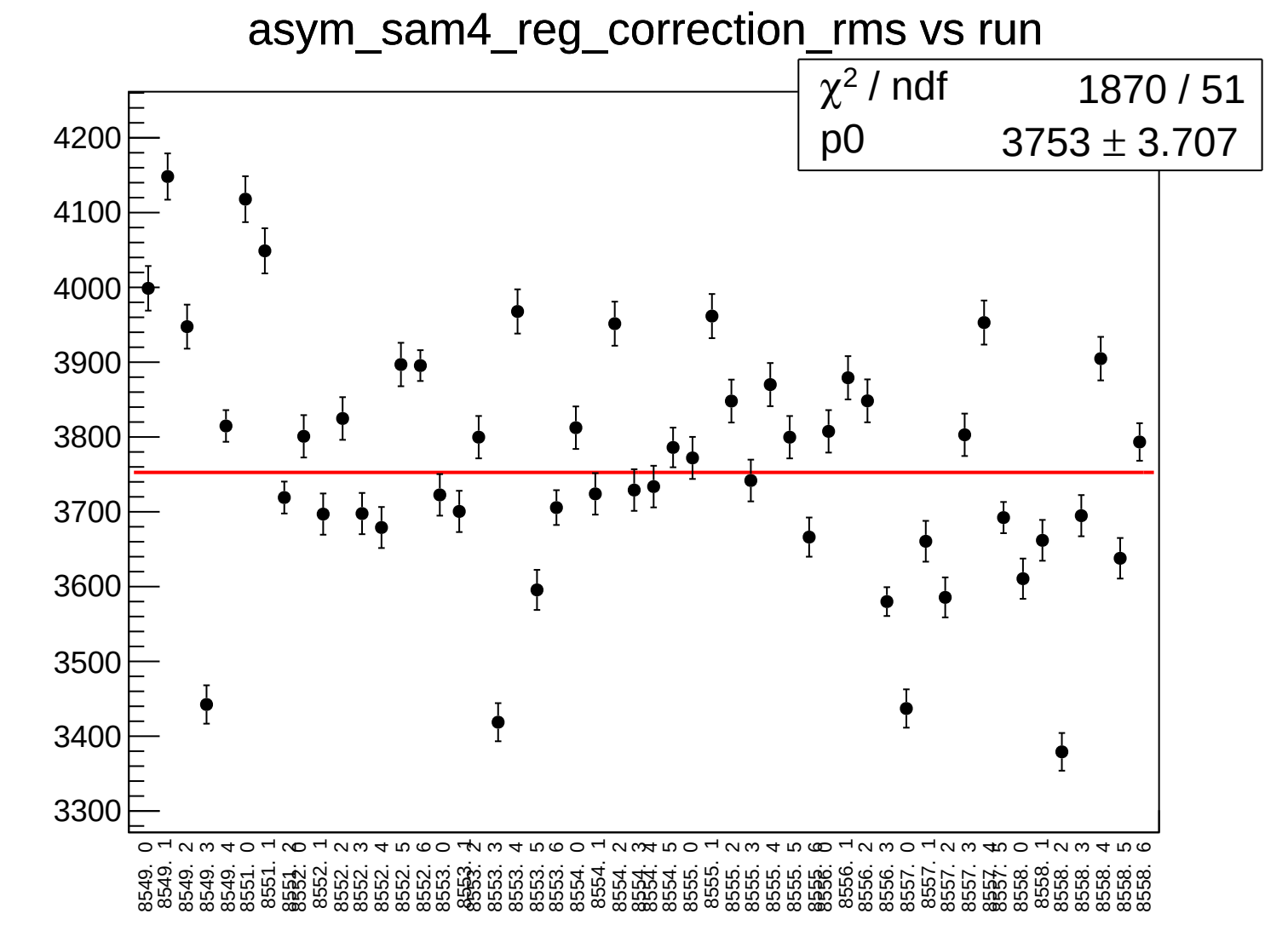

reg_asym_sam4_mean vs run
χ² / ndf 63.14 / 51
p0 1372 ± 552.6
15000
10000
5000
0
−5000
−10000
−15000
pull
Entries 52
Mean 127.5
Std Dev 0
2
1
0
−1
−2


pull1D
Entries 52
Mean −0.02034
Std Dev 1.102
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


reg_asym_sam4_rms vs run
χ² / ndf 2495 / 51
p0 395.5 ± 0.3908
500
480
460
440
420
400
380
360
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 5
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6


asym_sam4_reg_correction_mean vs run
×10^3
χ² / ndf 74.87 / 51
p0 −1.502e+04 ± 5242
150
100
50
0
−50
−100
−150
−200
pull
Entries 52
Mean 29.13
Std Dev 0
3
2
1
0
−1
−2
−3


pull1D
Entries 52
Mean −0.04704
Std Dev 1.199
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


asym_sam4_reg_correction_rms vs run
χ² / ndf 1870 / 51
p0 3753 ± 3.707
4200
4100
4000
3900
3800
3700
3600
3500
3400
3300
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
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8554. 2
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
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8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
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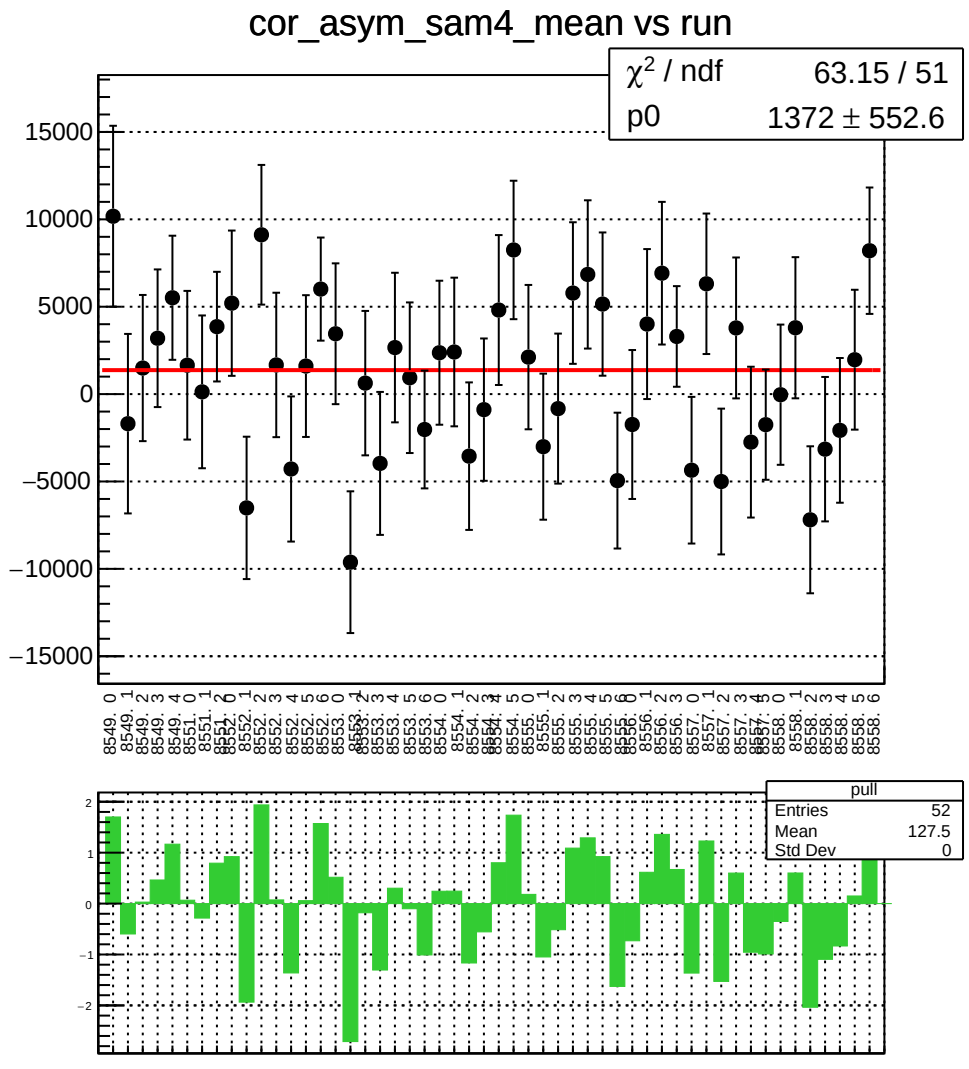
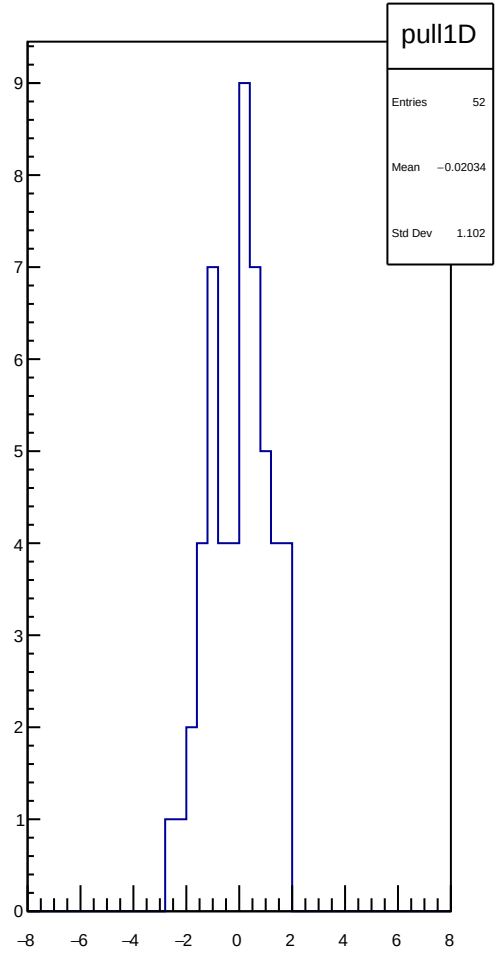
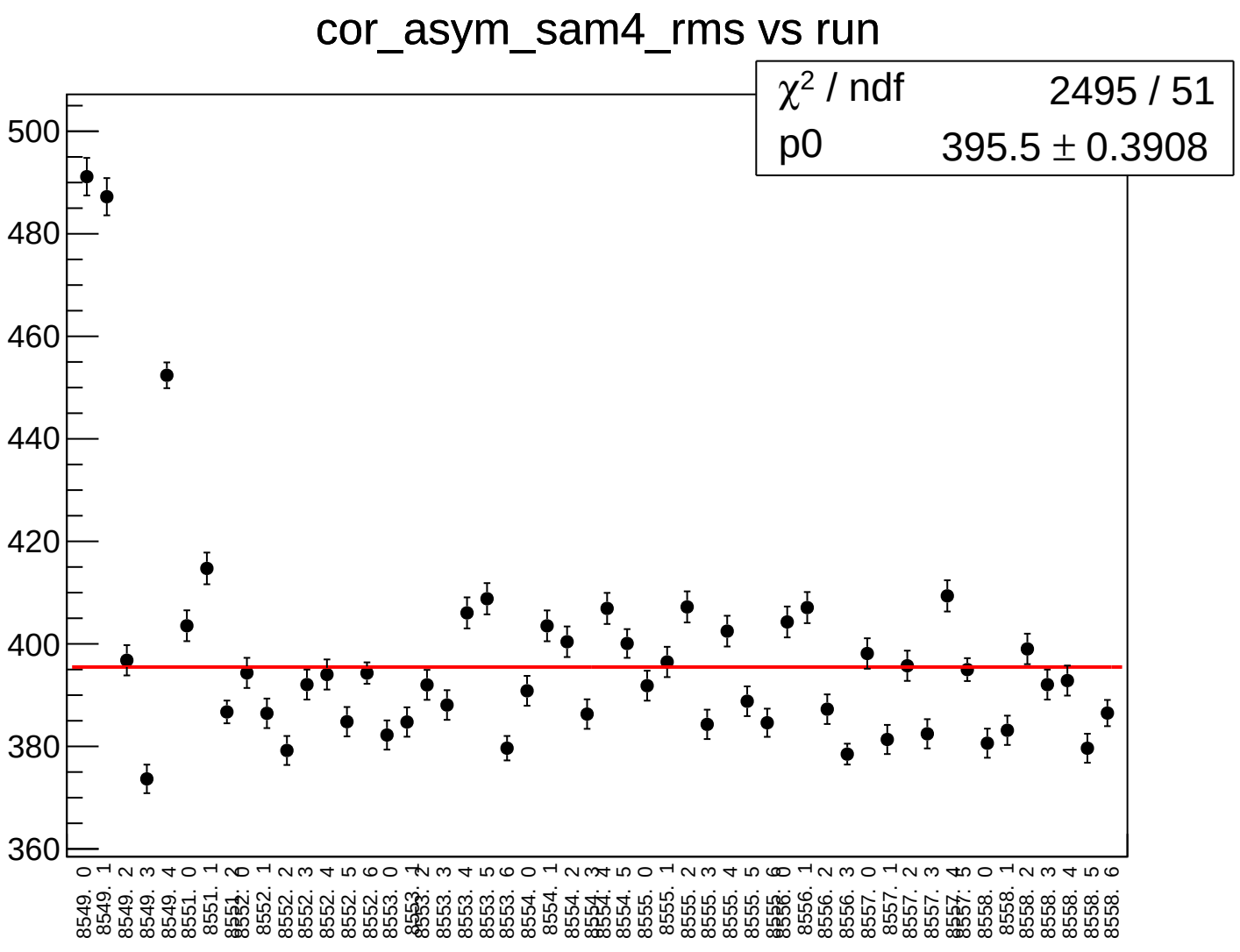
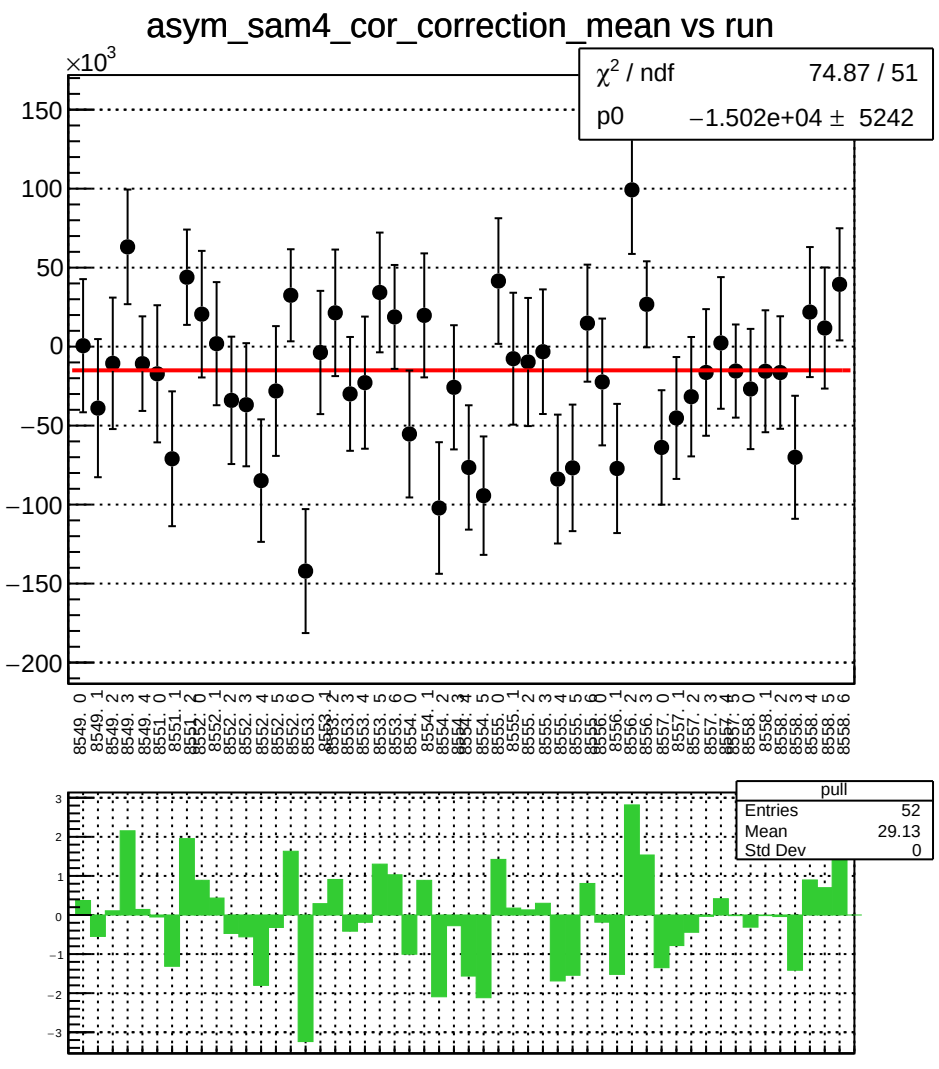
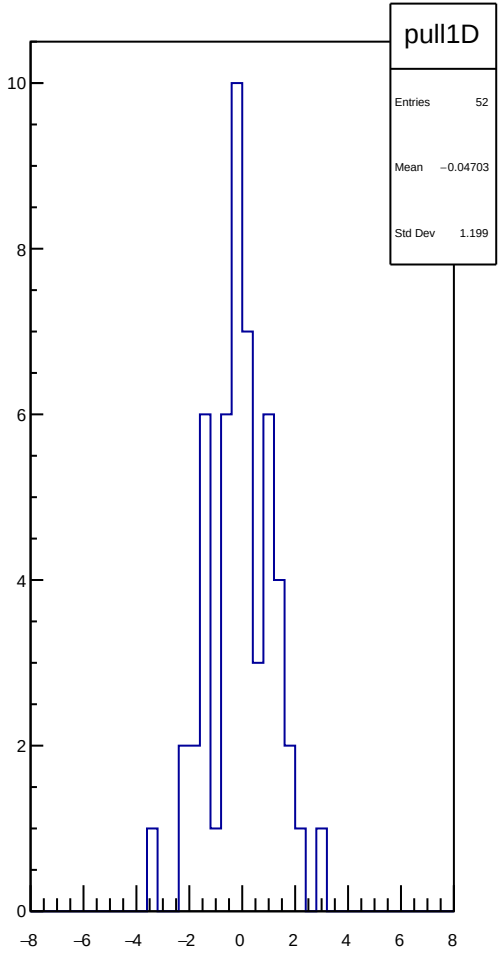
8558. 5
8558. 6

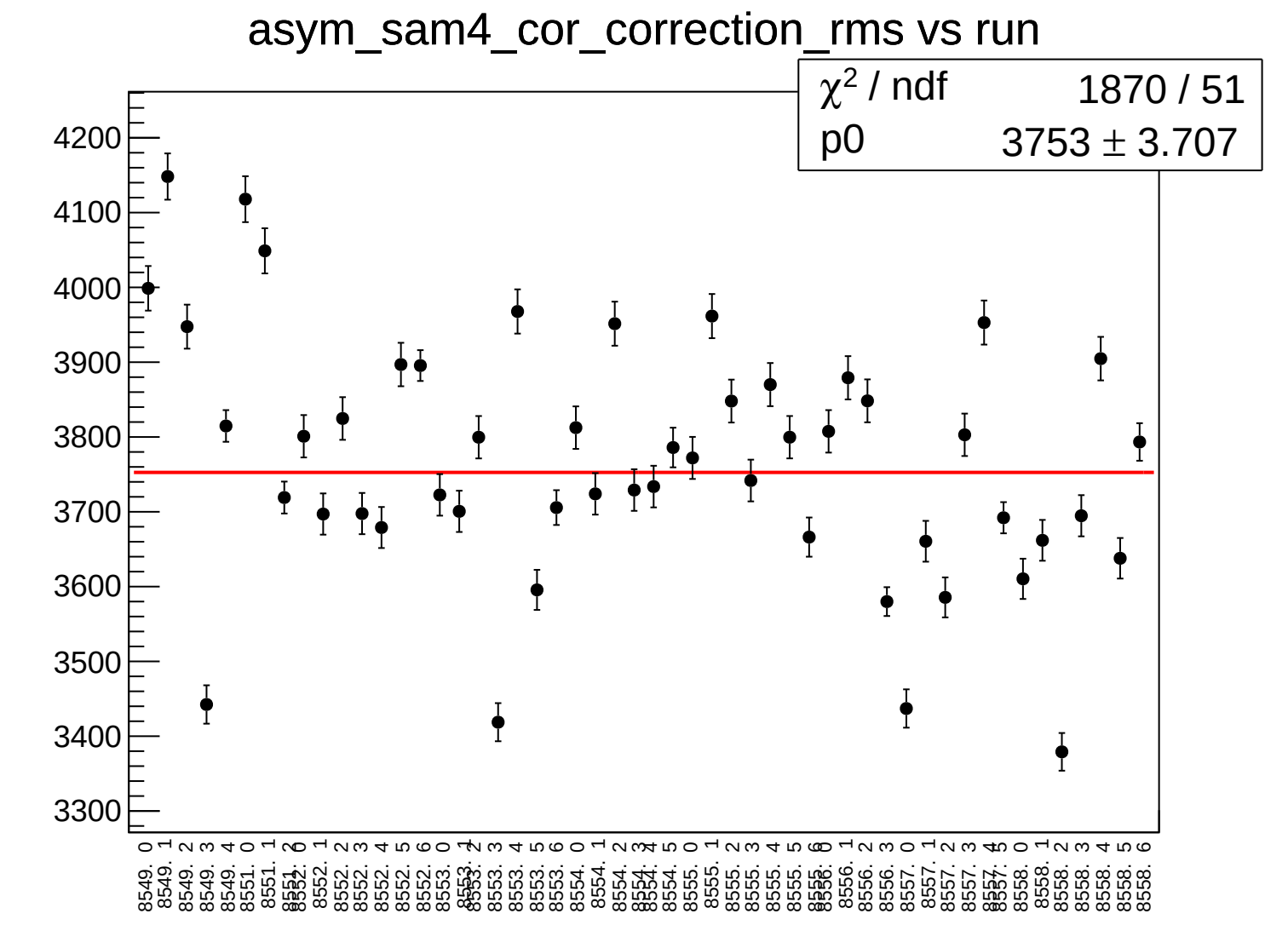

cor_asym_sam4_mean vs run
χ² / ndf 63.15 / 51
p0 1372 ± 552.6
15000
10000
5000
0
−5000
−10000
−15000
pull
Entries 52
Mean 127.5
Std Dev 0
2
1
0
−1
−2

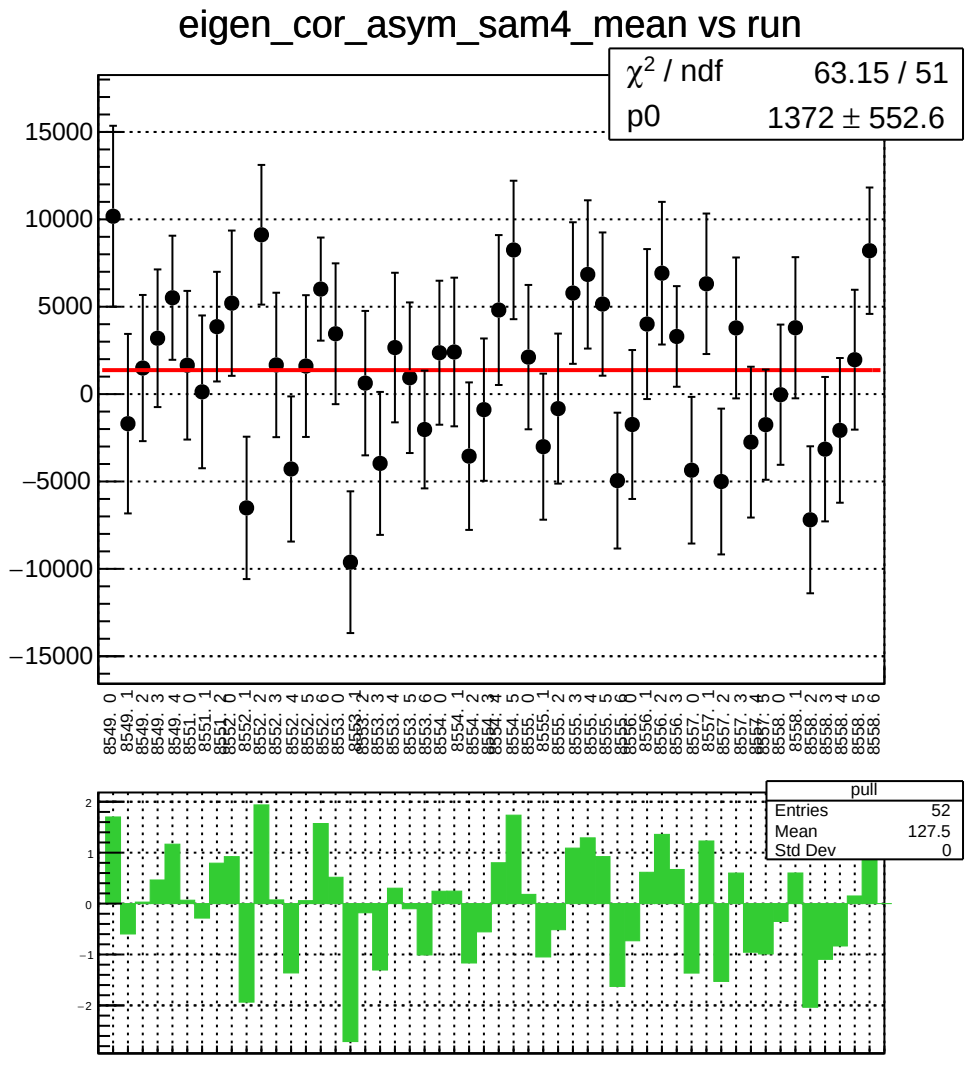

pull1D
Entries 52
Mean −0.02034
Std Dev 1.102
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

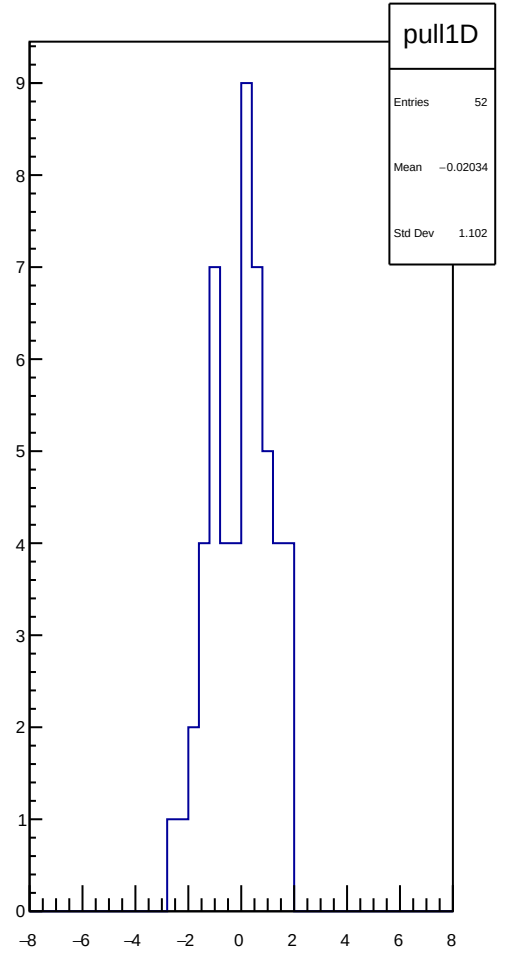

cor_asym_sam4_rms vs run
χ² / ndf 2495 / 51
p0 395.5 ± 0.3908
500
480
460
440
420
400
380
360
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 5
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

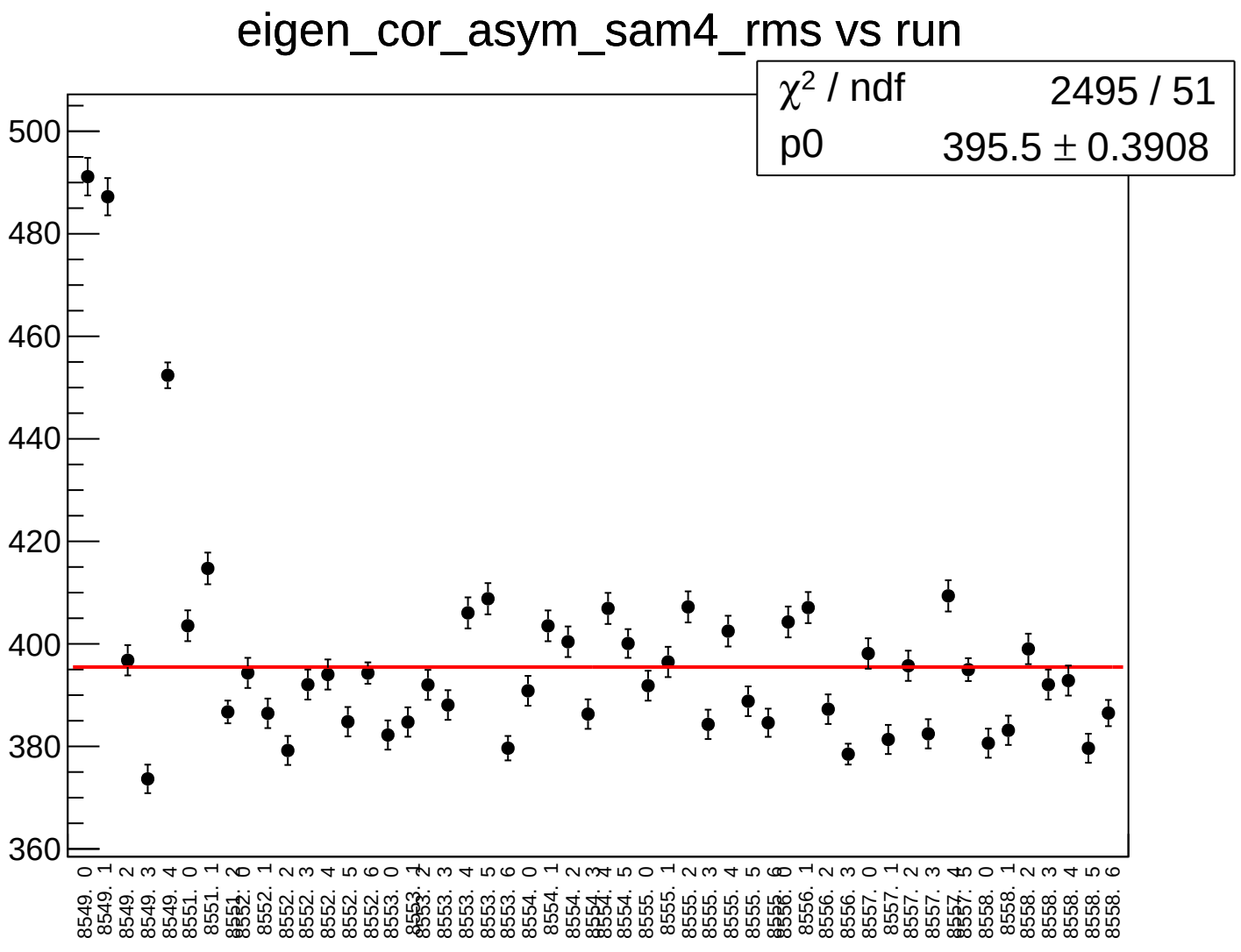

asym_sam4_cor_correction_mean vs run
×10^3
χ² / ndf 74.87 / 51
p0 −1.502e+04 ± 5242
150
100
50
0
−50
−100
−150
−200
pull
Entries 52
Mean 29.13
Std Dev 0
3
2
1
0
−1
−2
−3

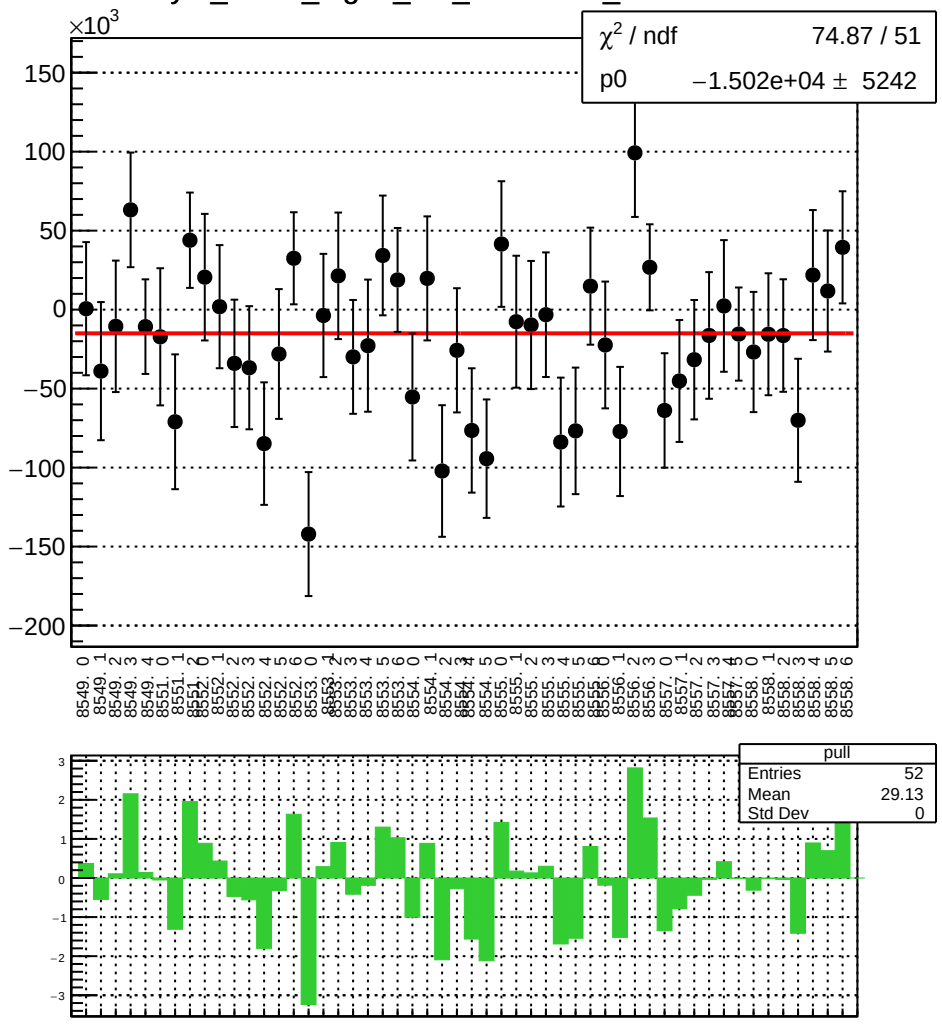

pull1D
Entries 52
Mean −0.04703
Std Dev 1.199
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

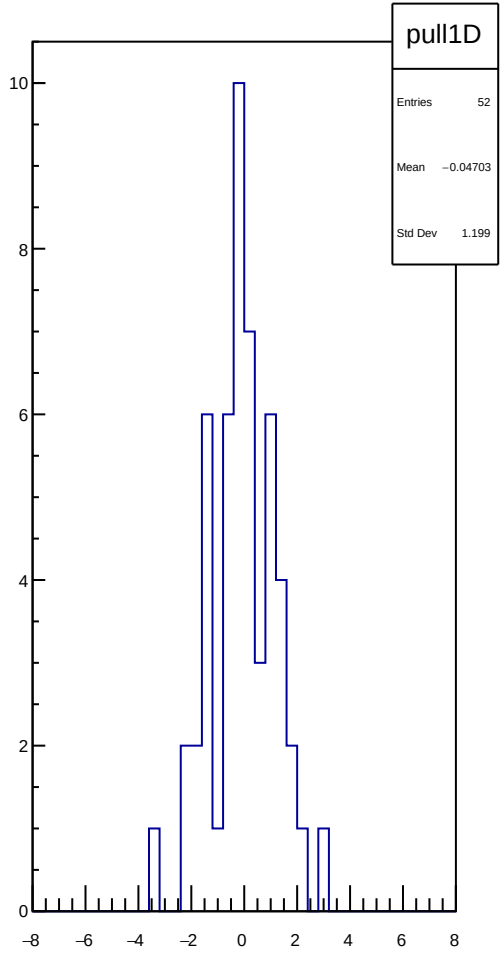

asym_sam4_cor_correction_rms vs run
χ² / ndf 1870 / 51
p0 3753 ± 3.707
4200
4100
4000
3900
3800
3700
3600
3500
3400
3300
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

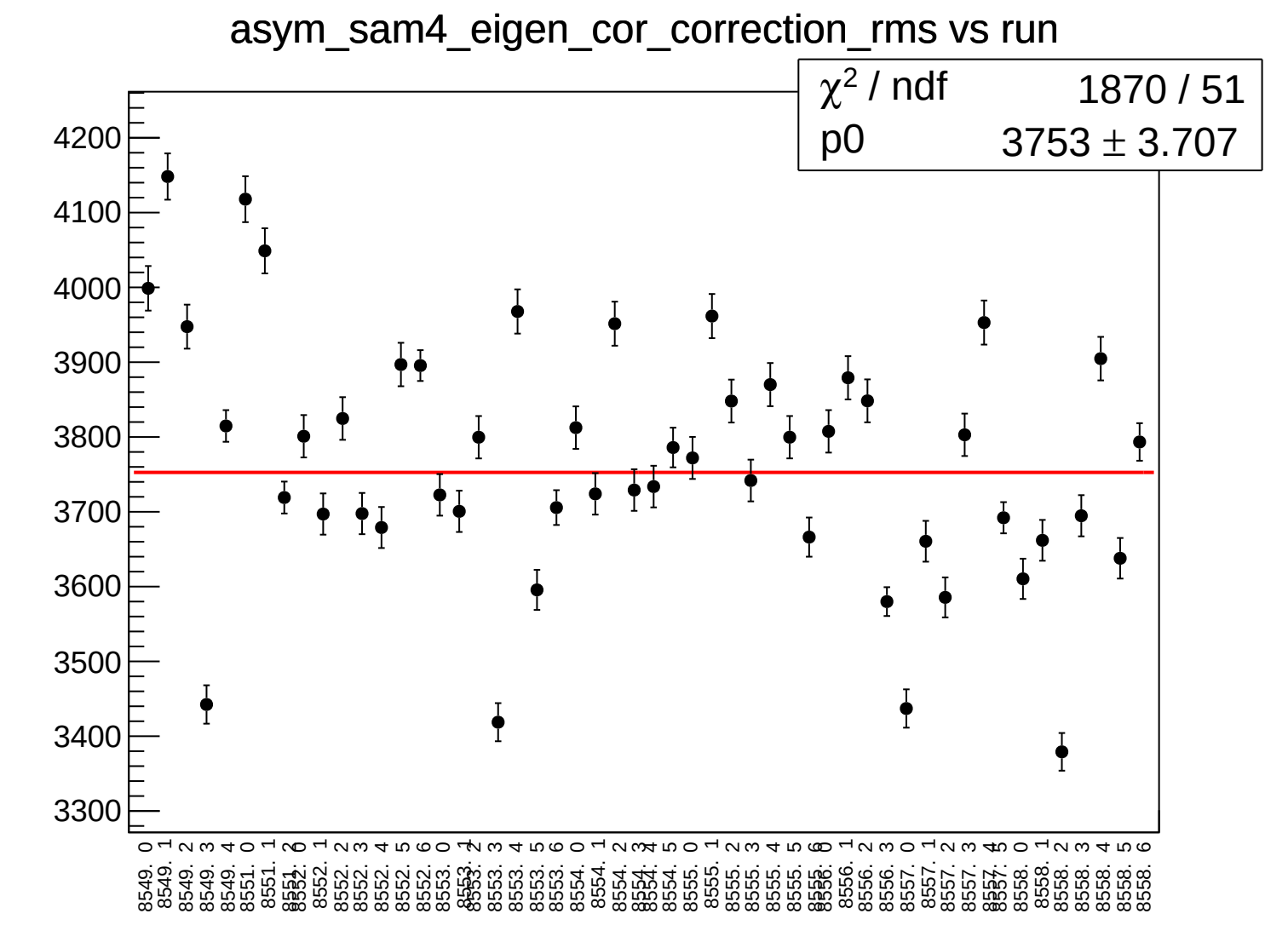

eigen_cor_asym_sam4_mean vs run
χ² / ndf 63.15 / 51
p0 1372 ± 552.6
pull
Entries 52
Mean 127.5
Std Dev 0


pull1D
Entries 52
Mean −0.02034
Std Dev 1.102


eigen_cor_asym_sam4_rms vs run
χ² / ndf 2495 / 51
p0 395.5 ± 0.3908
500
480
460
440
420
400
380
360
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6


asym_sam4_eigen_cor_correction_mean vs run
×10^3
χ² / ndf 74.87 / 51
p0 −1.502e+04 ± 5242
150
100
50
0
−50
−100
−150
−200
pull
Entries 52
Mean 29.13
Std Dev 0
3
2
1
0
−1
−2
−3


pull1D
Entries 52
Mean −0.04703
Std Dev 1.199
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


asym_sam4_eigen_cor_correction_rms vs run
χ² / ndf 1870 / 51
p0 3753 ± 3.707
4200
4100
4000
3900
3800
3700
3600
3500
3400
3300
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
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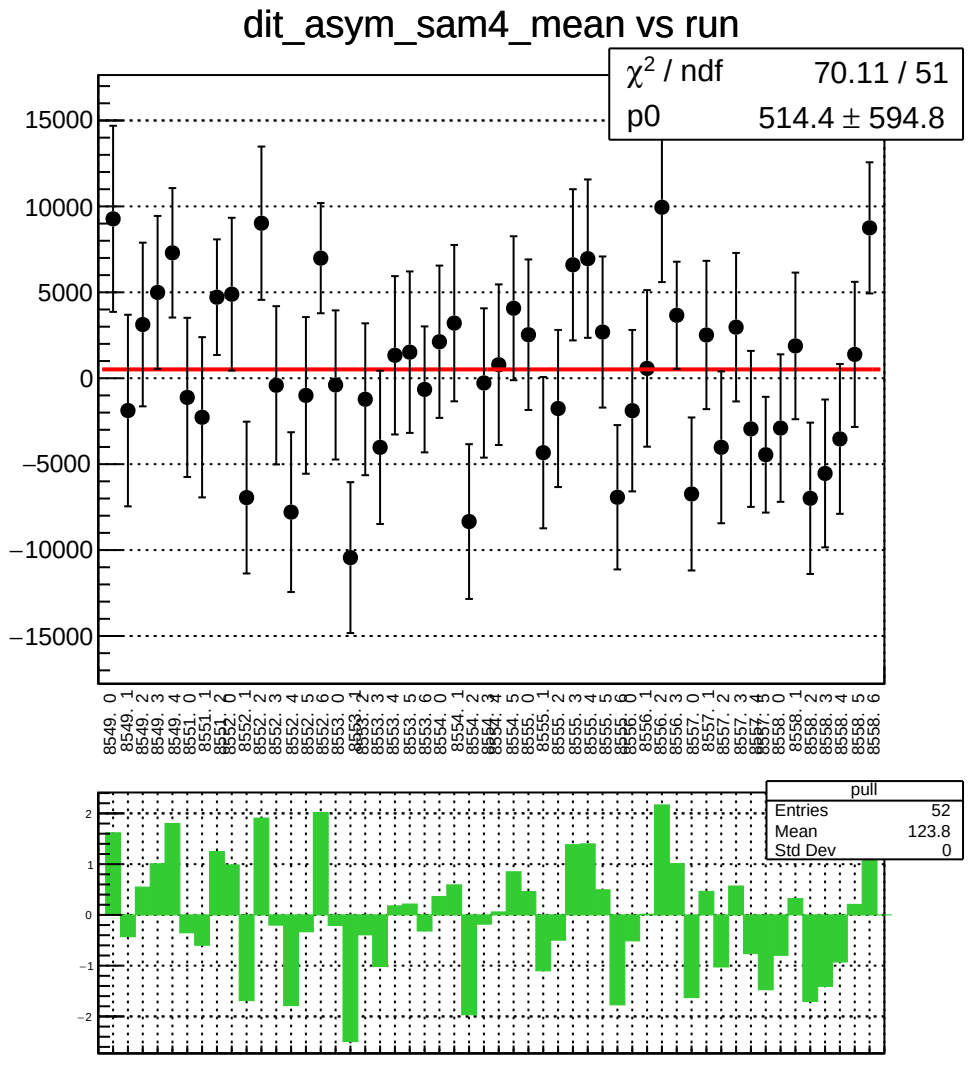
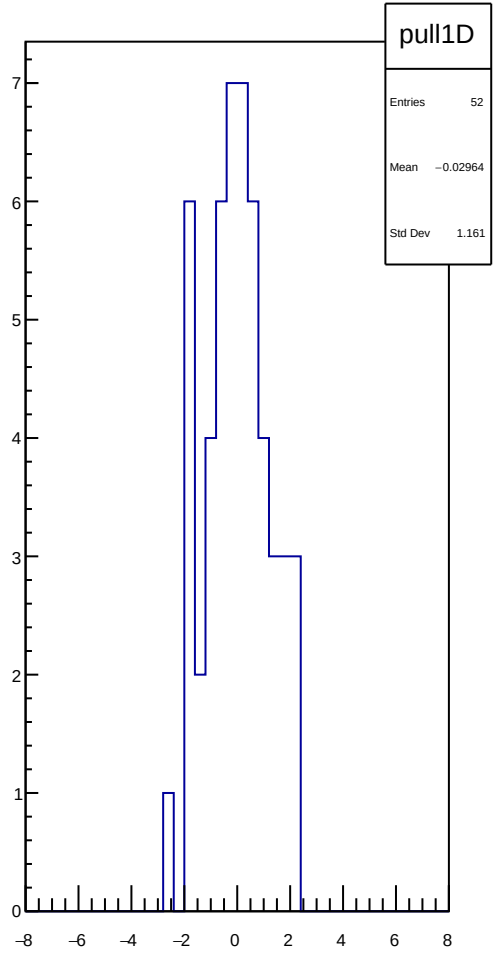
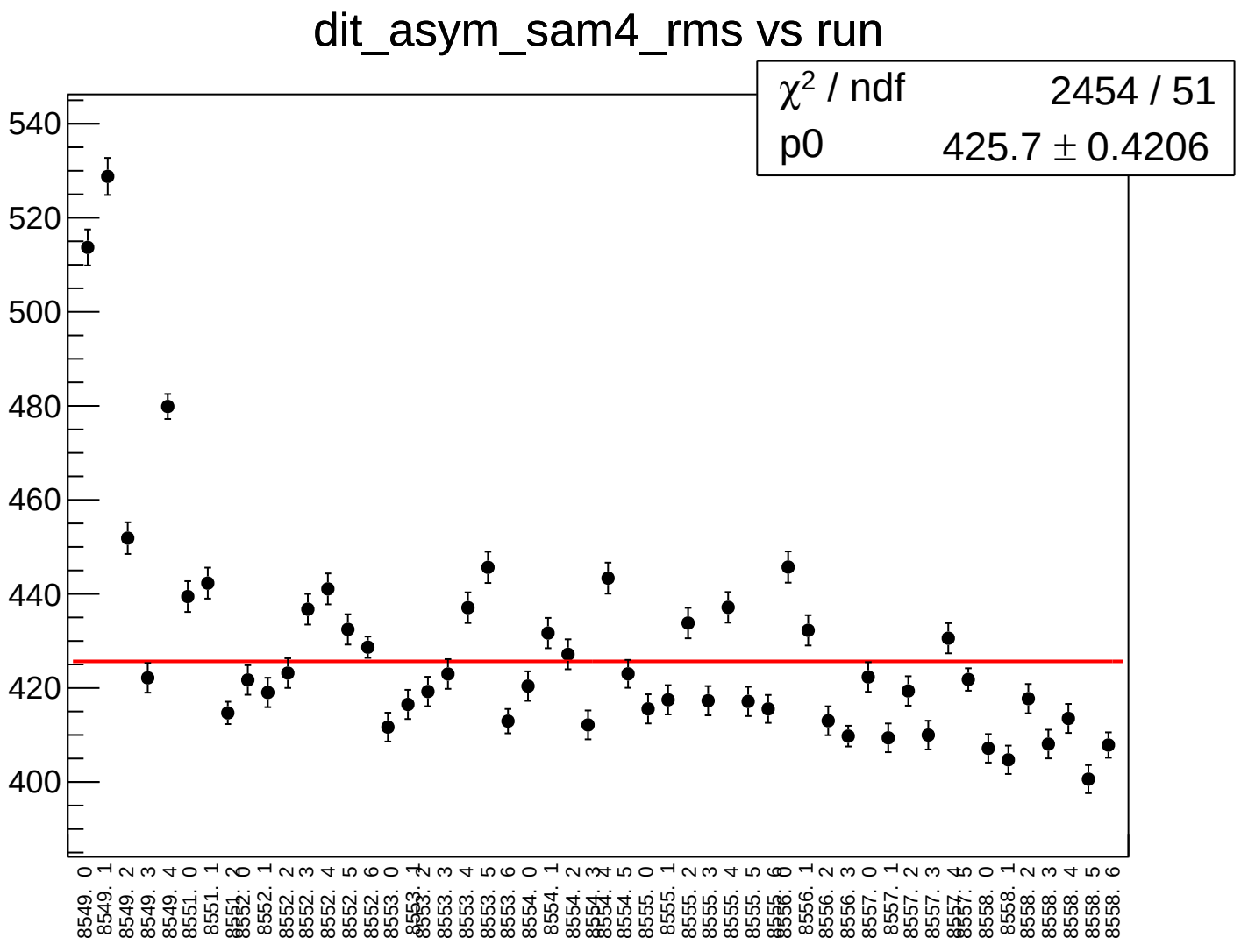
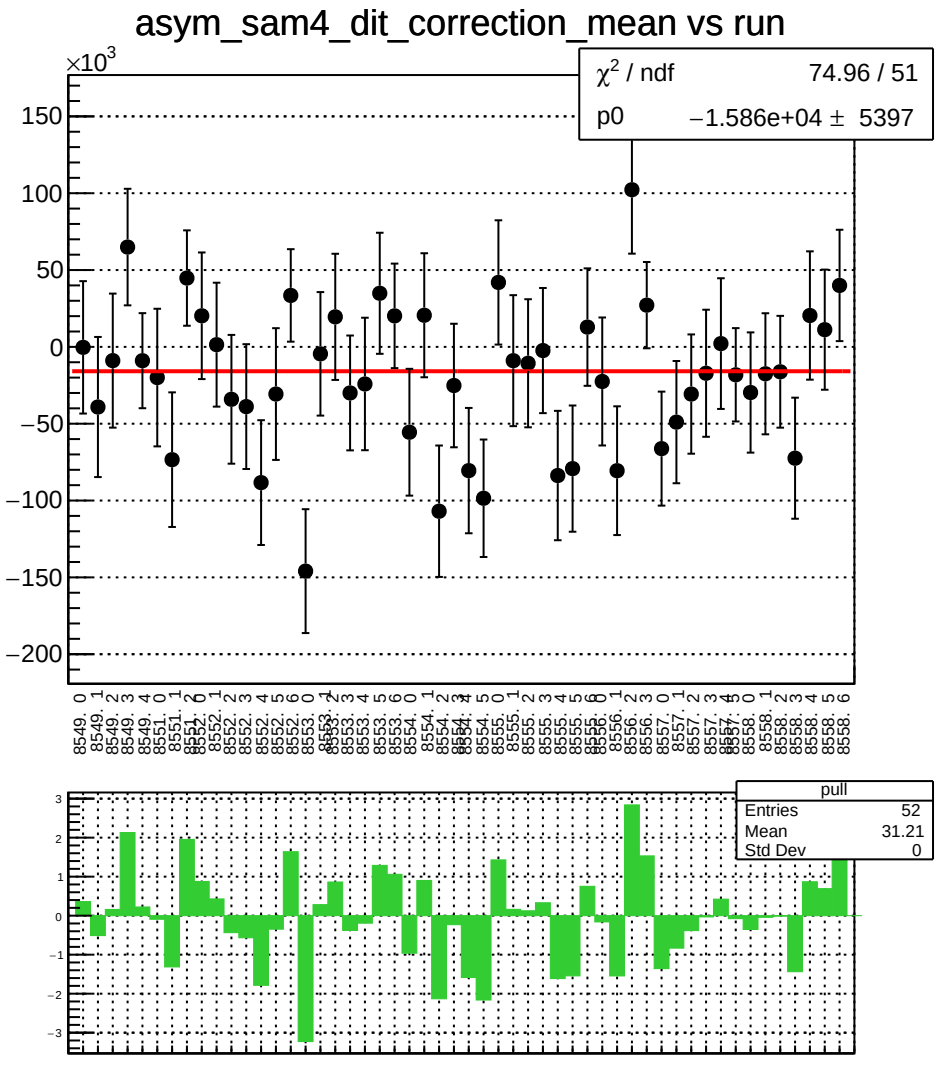
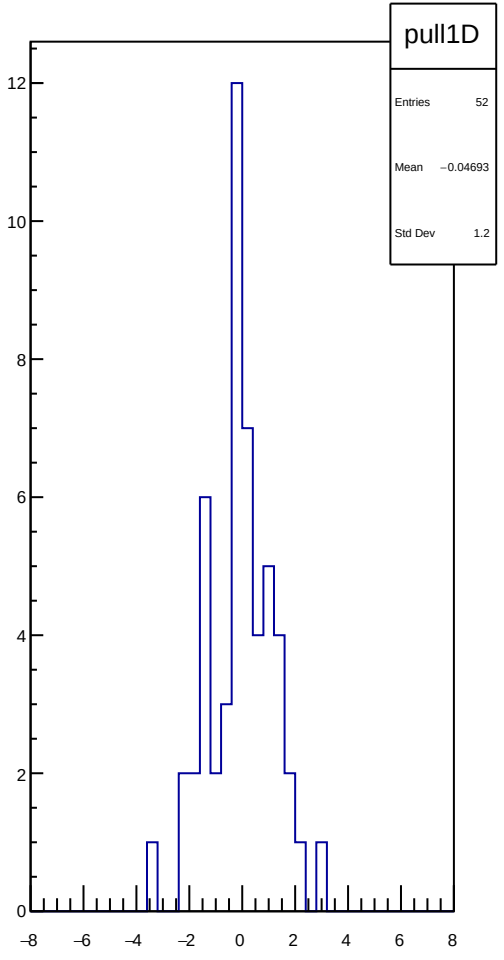
8558. 5
8558. 6

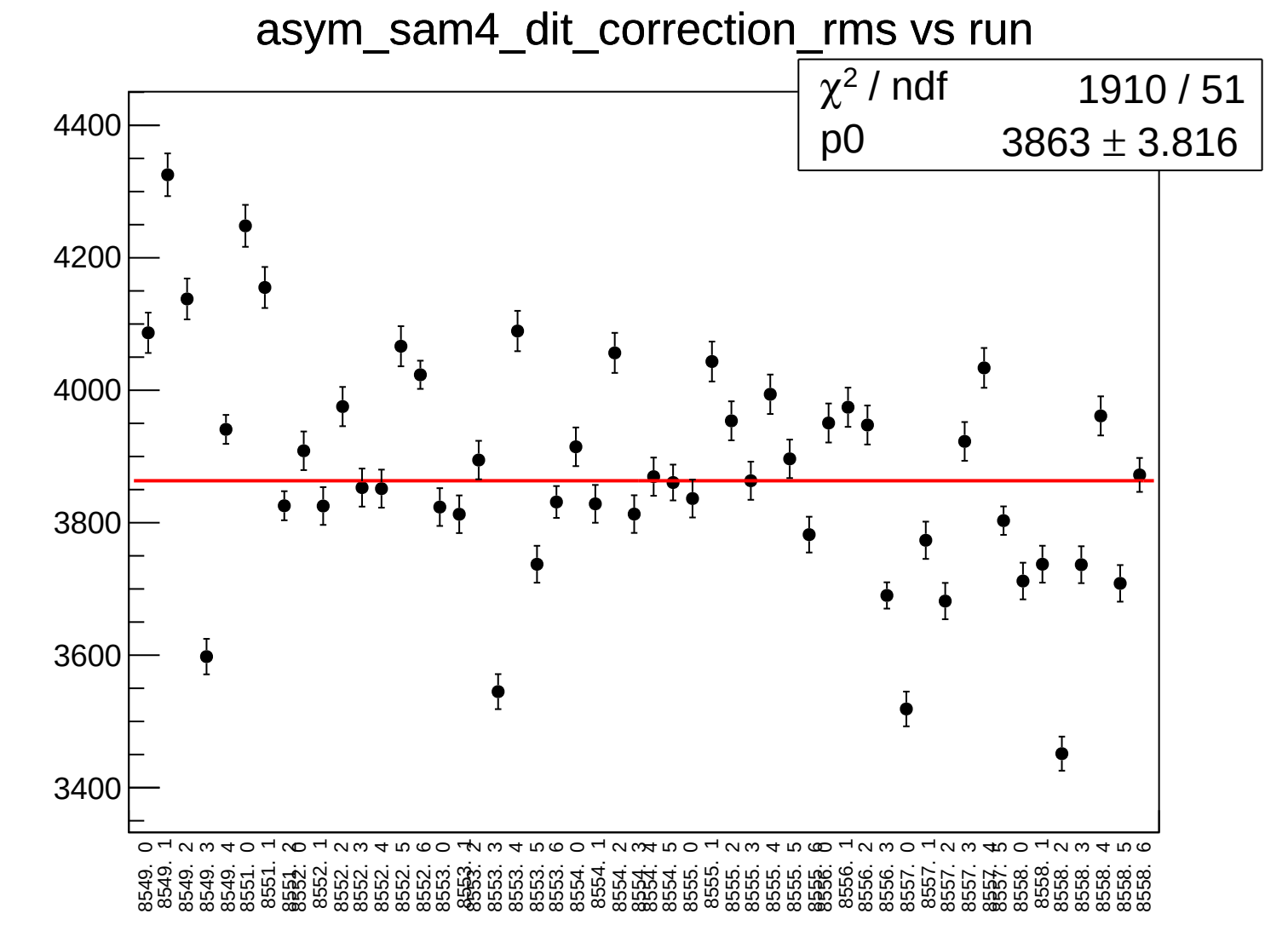

dit_asym_sam4_mean vs run
χ² / ndf 70.11 / 51
p0 514.4 ± 594.8
15000
10000
5000
0
−5000
−10000
−15000
pull
Entries 52
Mean 123.8
Std Dev 0
2
1
0
−1
−2

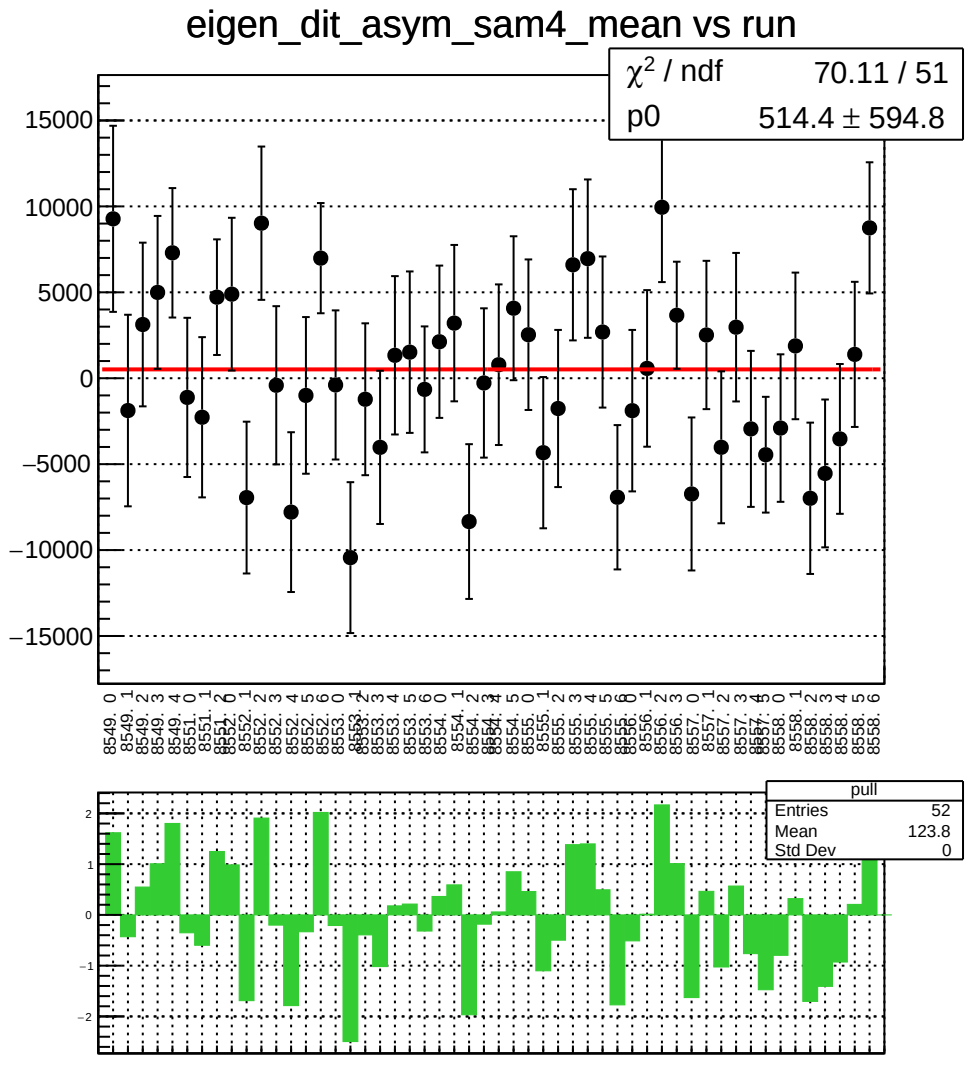

pull1D
Entries 52
Mean −0.02964
Std Dev 1.161
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

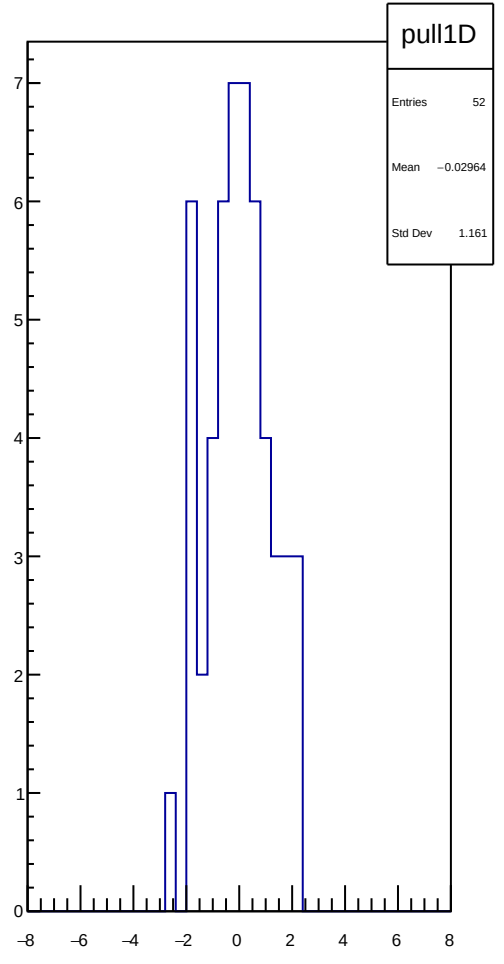

dit_asym_sam4_rms vs run
χ² / ndf 2454 / 51
p0 425.7 ± 0.4206
540
520
500
480
460
440
420
400
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 5
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

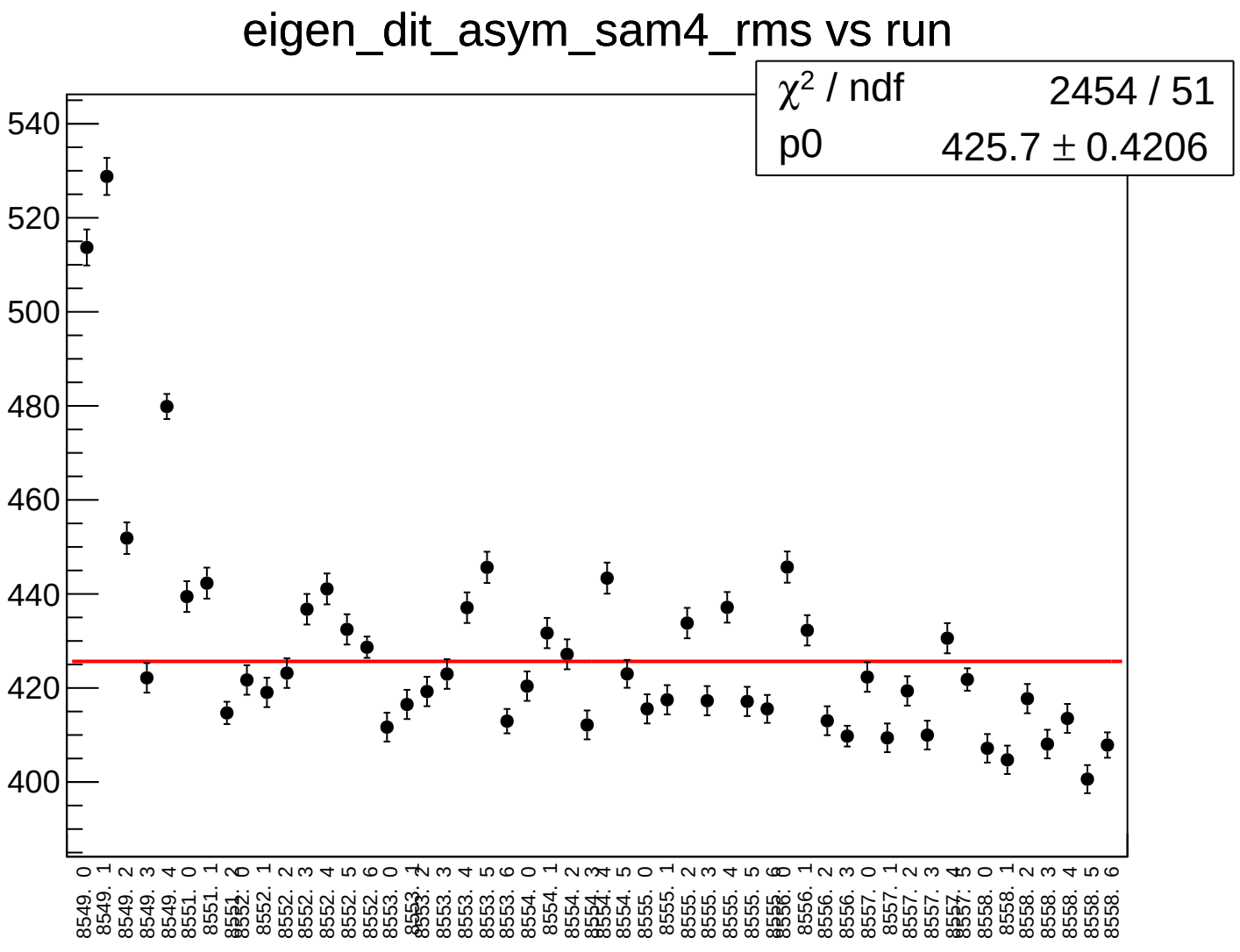

asym_sam4_dit_correction_mean vs run
×10^3
χ² / ndf 74.96 / 51
p0 −1.586e+04 ± 5397
150
100
50
0
−50
−100
−150
−200
pull
Entries 52
Mean 31.21
Std Dev 0
3
2
1
0
−1
−2
−3


pull1D
Entries 52
Mean −0.04693
Std Dev 1.2
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


asym_sam4_dit_correction_rms vs run
χ² / ndf 1910 / 51
p0 3863 ± 3.816
4400
4200
4000
3800
3600
3400
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 5
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6


eigen_dit_asym_sam4_mean vs run
χ² / ndf 70.11 / 51
p0 514.4 ± 594.8
15000
10000
5000
0
−5000
−10000
−15000
pull
Entries 52
Mean 123.8
Std Dev 0
2
1
0
−1
−2


pull1D
Entries 52
Mean −0.02964
Std Dev 1.161
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


eigen_dit_asym_sam4_rms vs run
χ² / ndf 2454 / 51
p0 425.7 ± 0.4206
540
520
500
480
460
440
420
400
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 5
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
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8557. 3
8558. 0
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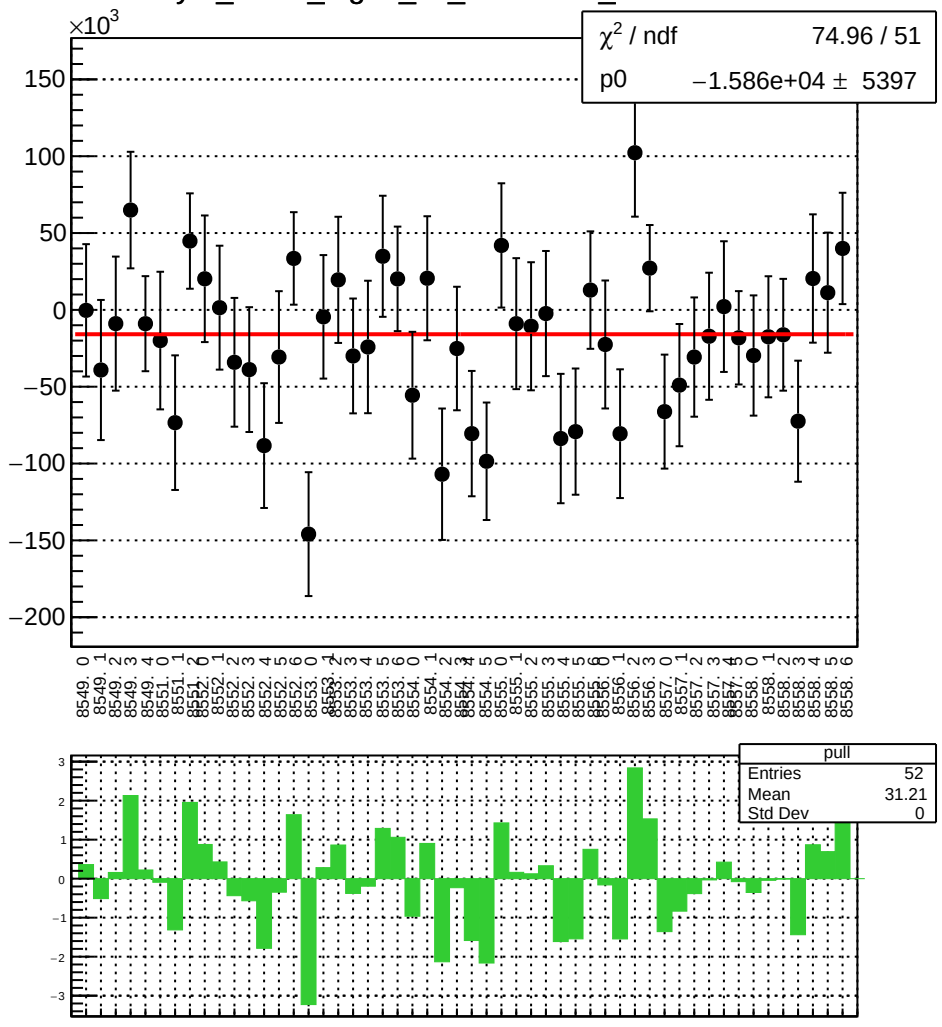
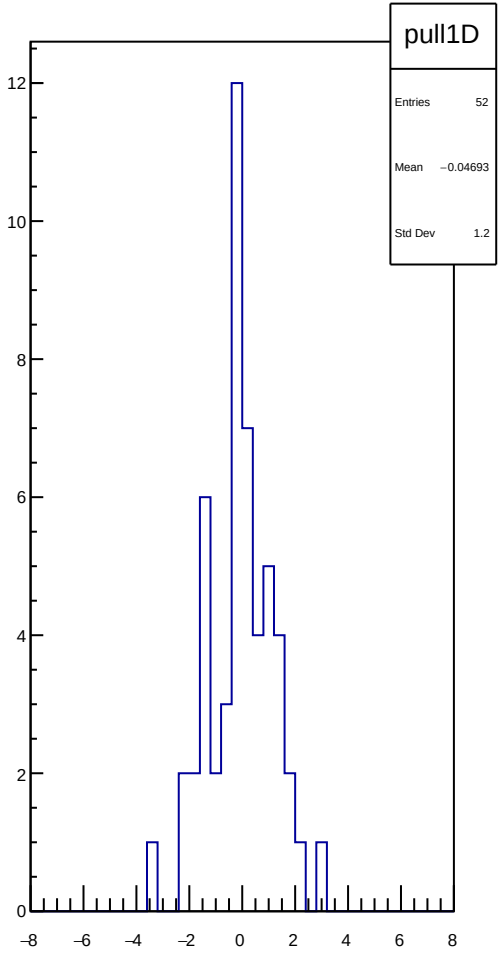
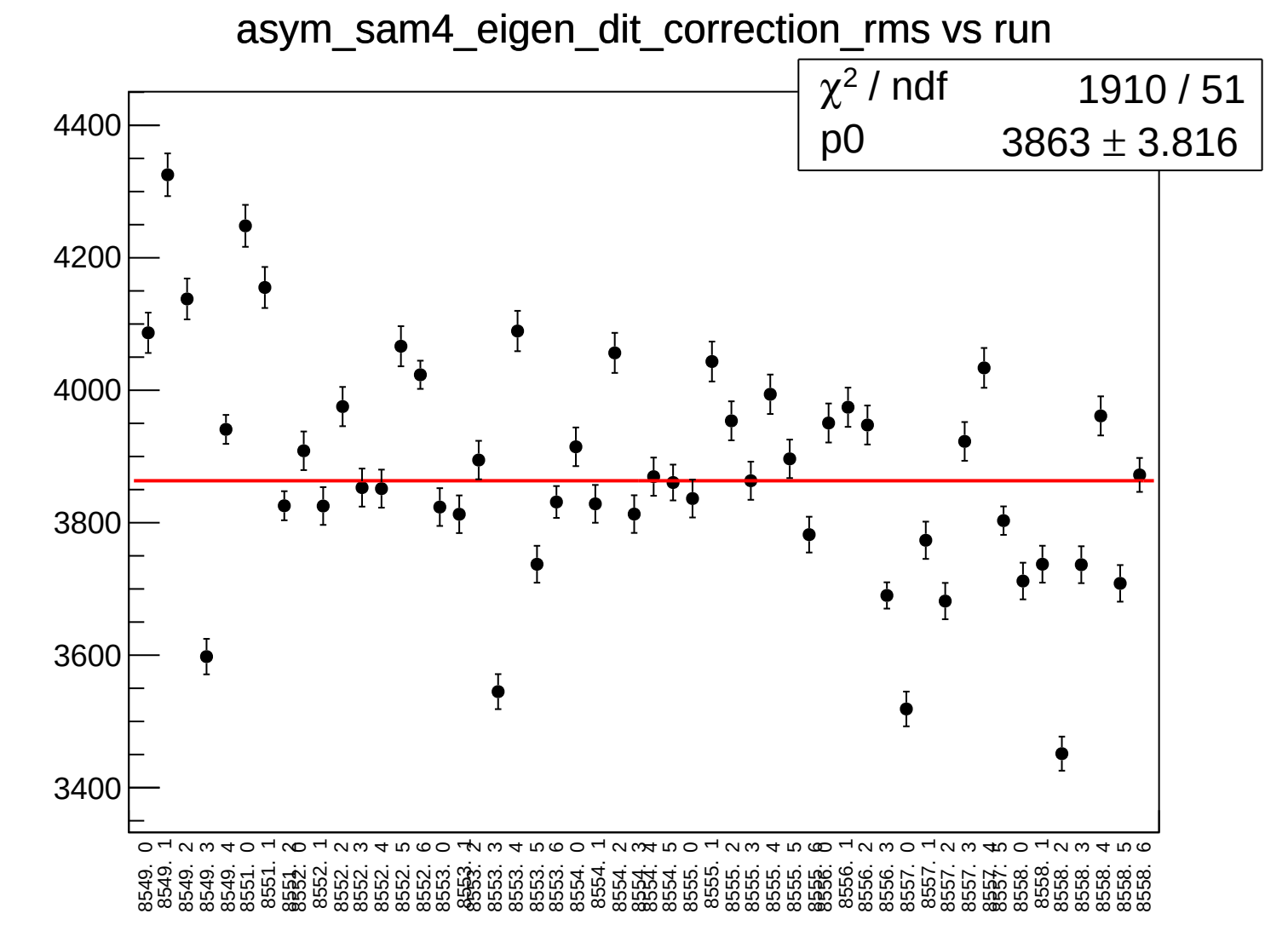
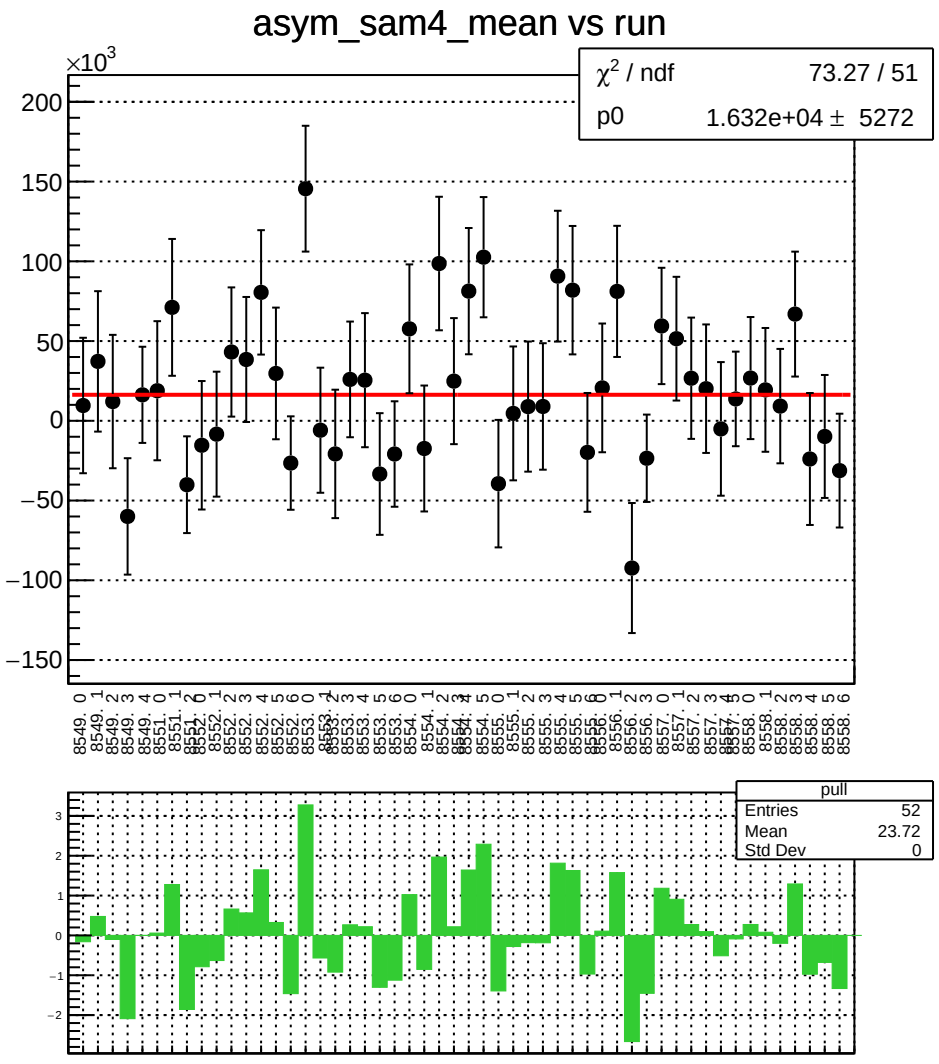
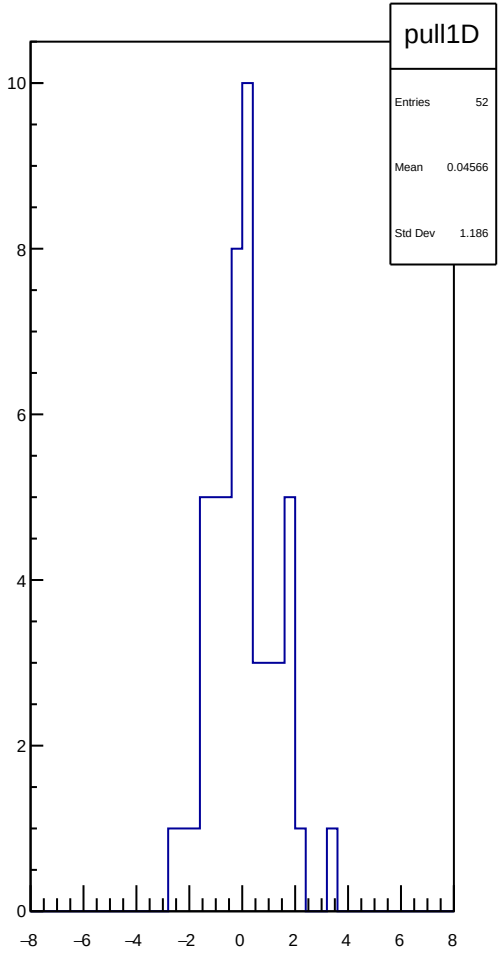
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

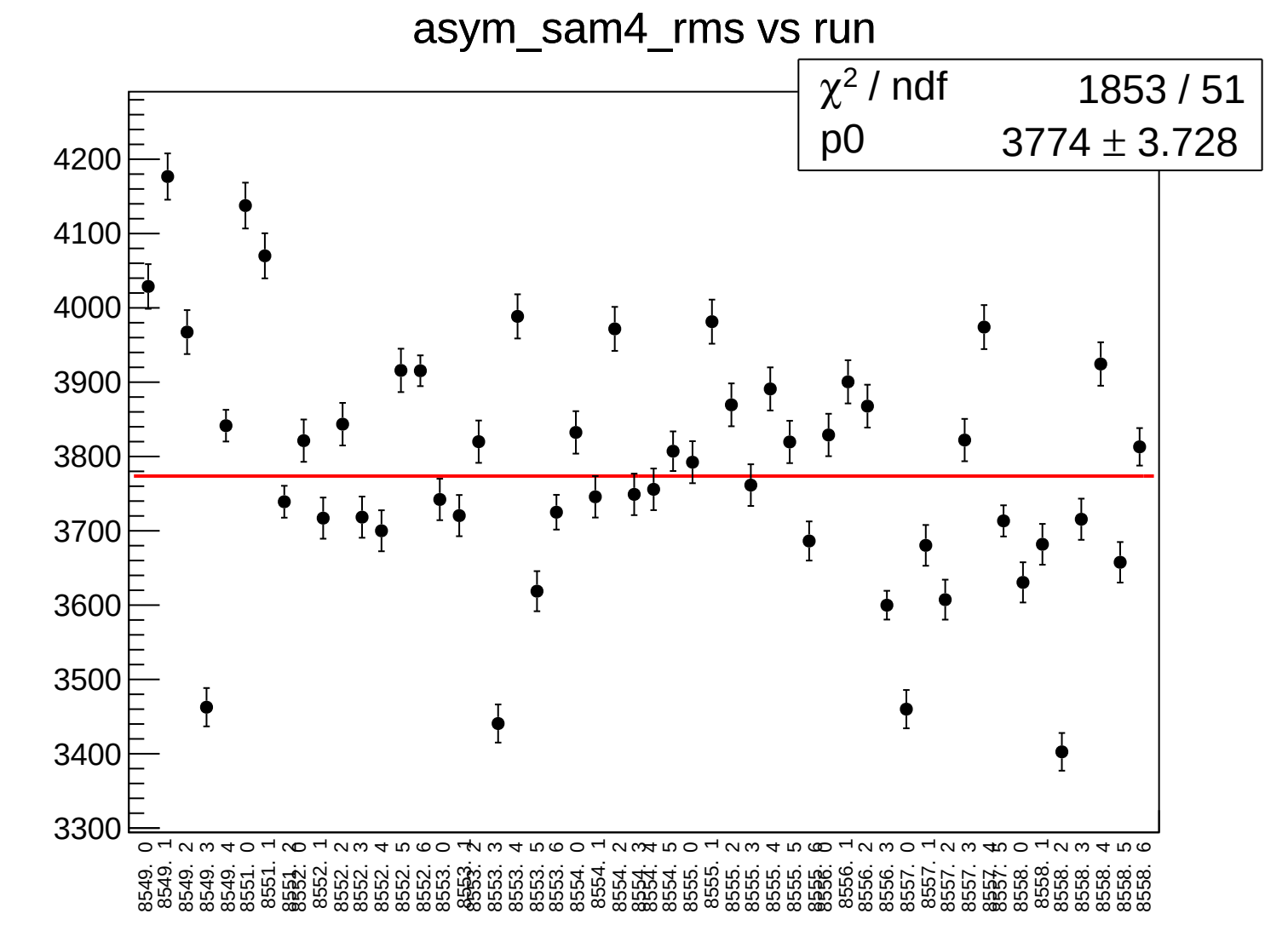

asym_sam4_eigen_dit_correction_mean vs run
×10^3
χ² / ndf 74.96 / 51
p0 −1.586e+04 ± 5397
150
100
50
0
−50
−100
−150
−200
pull
Entries 52
Mean 31.21
Std Dev 0
3
2
1
0
−1
−2
−3

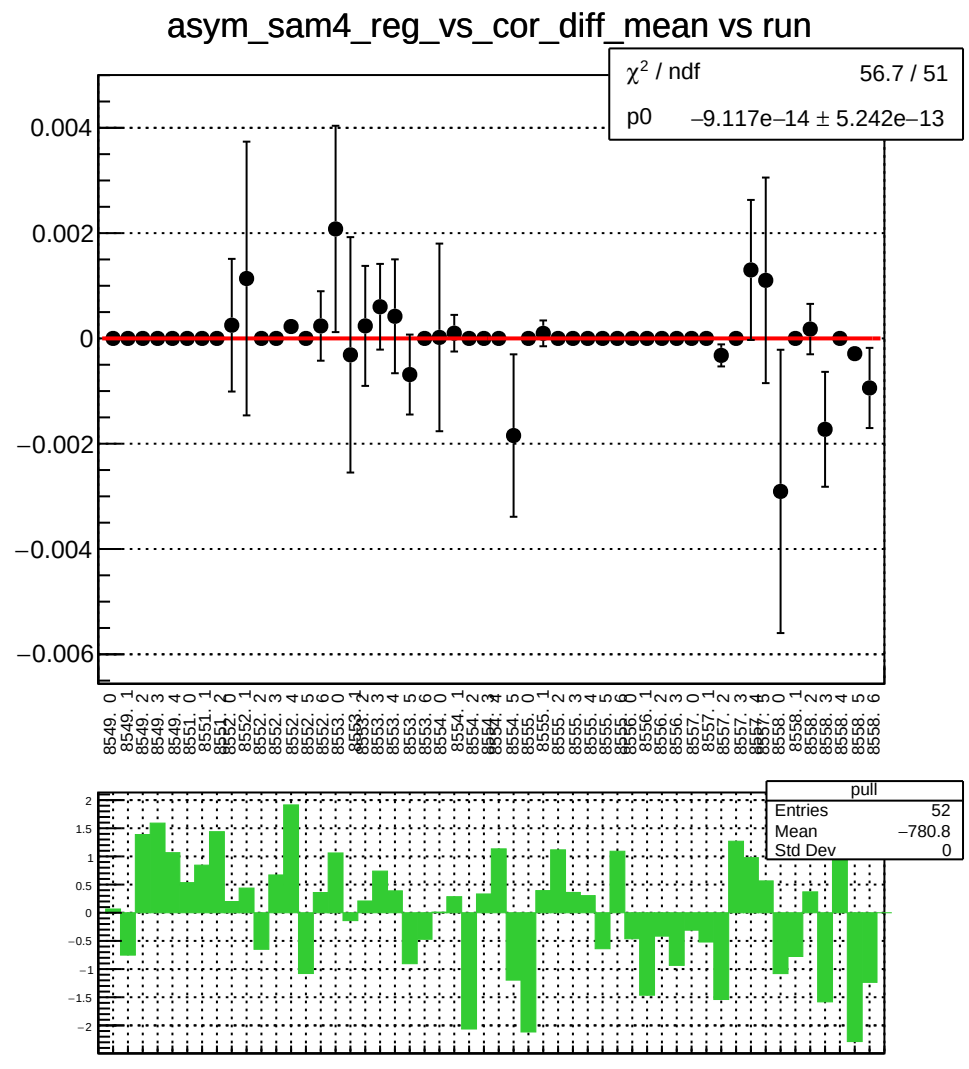

pull1D
Entries 52
Mean −0.04693
Std Dev 1.2
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

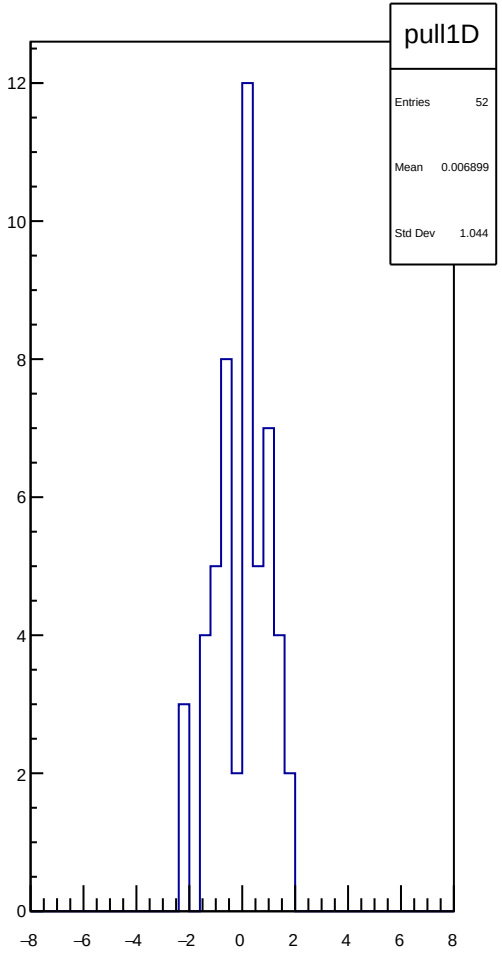

asym_sam4_eigen_dit_correction_rms vs run
χ² / ndf 1910 / 51
p0 3863 ± 3.816
4400
4200
4000
3800
3600
3400
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 5
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

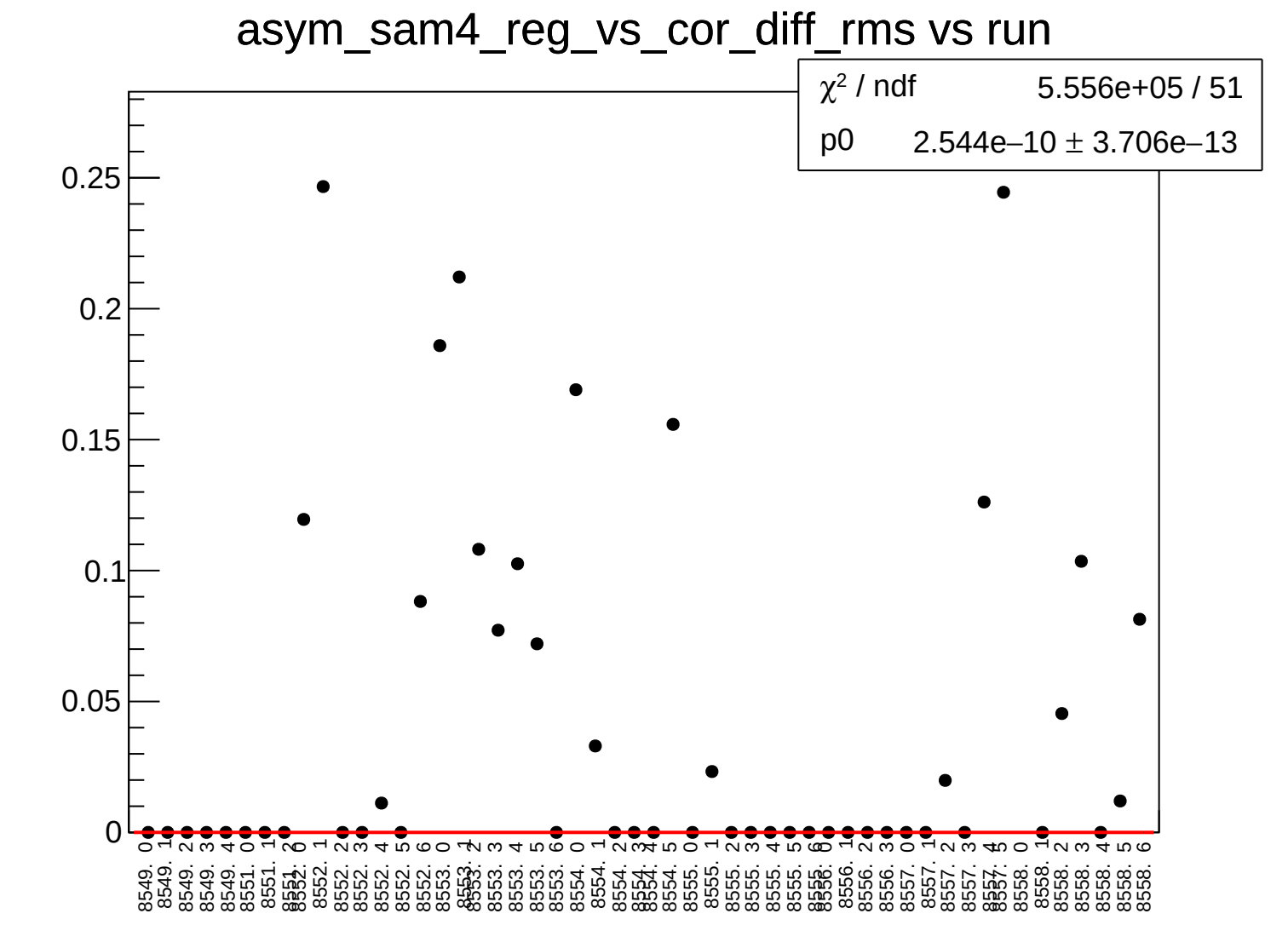

asym_sam4_mean vs run
×10^3
χ² / ndf 73.27 / 51
p0 1.632e+04 ± 5272
pull
Entries 52
Mean 23.72
Std Dev 0

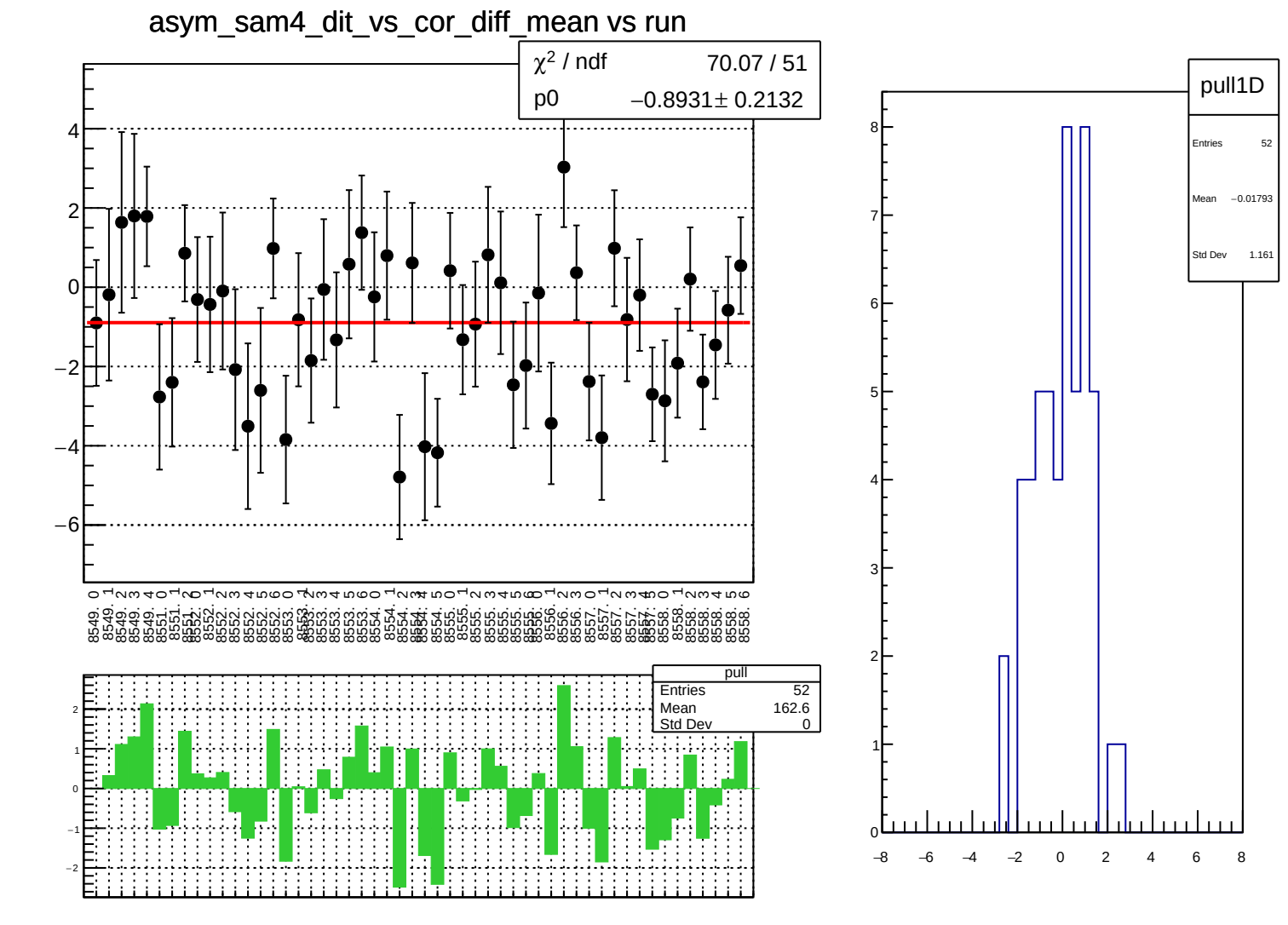

pull1D
Entries 52
Mean 0.04566
Std Dev 1.186

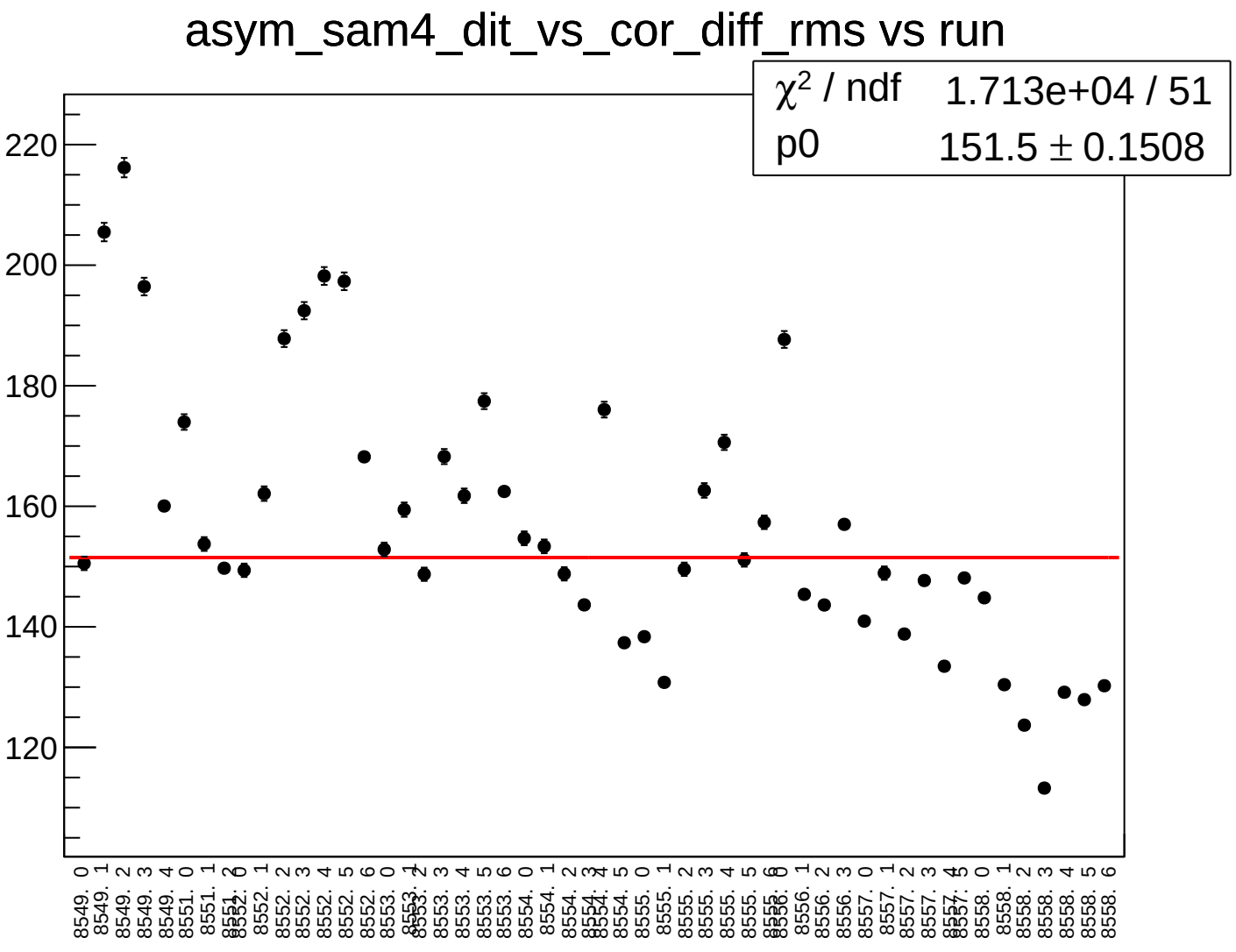

asym_sam4_rms vs run
χ² / ndf 1853 / 51
p0 3774 ± 3.728
4200
4100
4000
3900
3800
3700
3600
3500
3400
3300
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

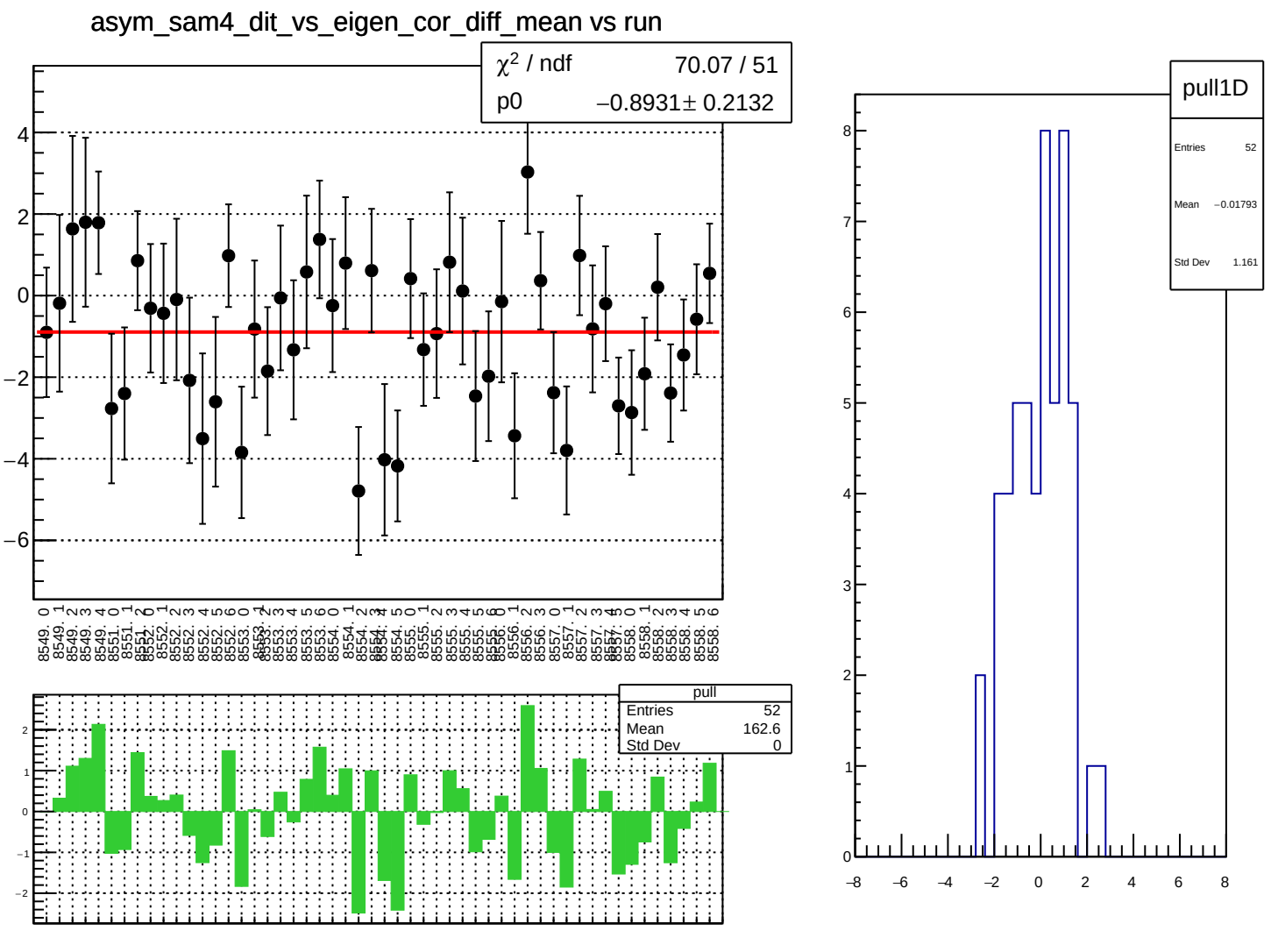

asym_sam4_reg_vs_cor_diff_mean vs run
χ² / ndf 56.7 / 51
p0 −9.117e−14 ± 5.242e−13
pull
Entries 52
Mean −780.8
Std Dev 0

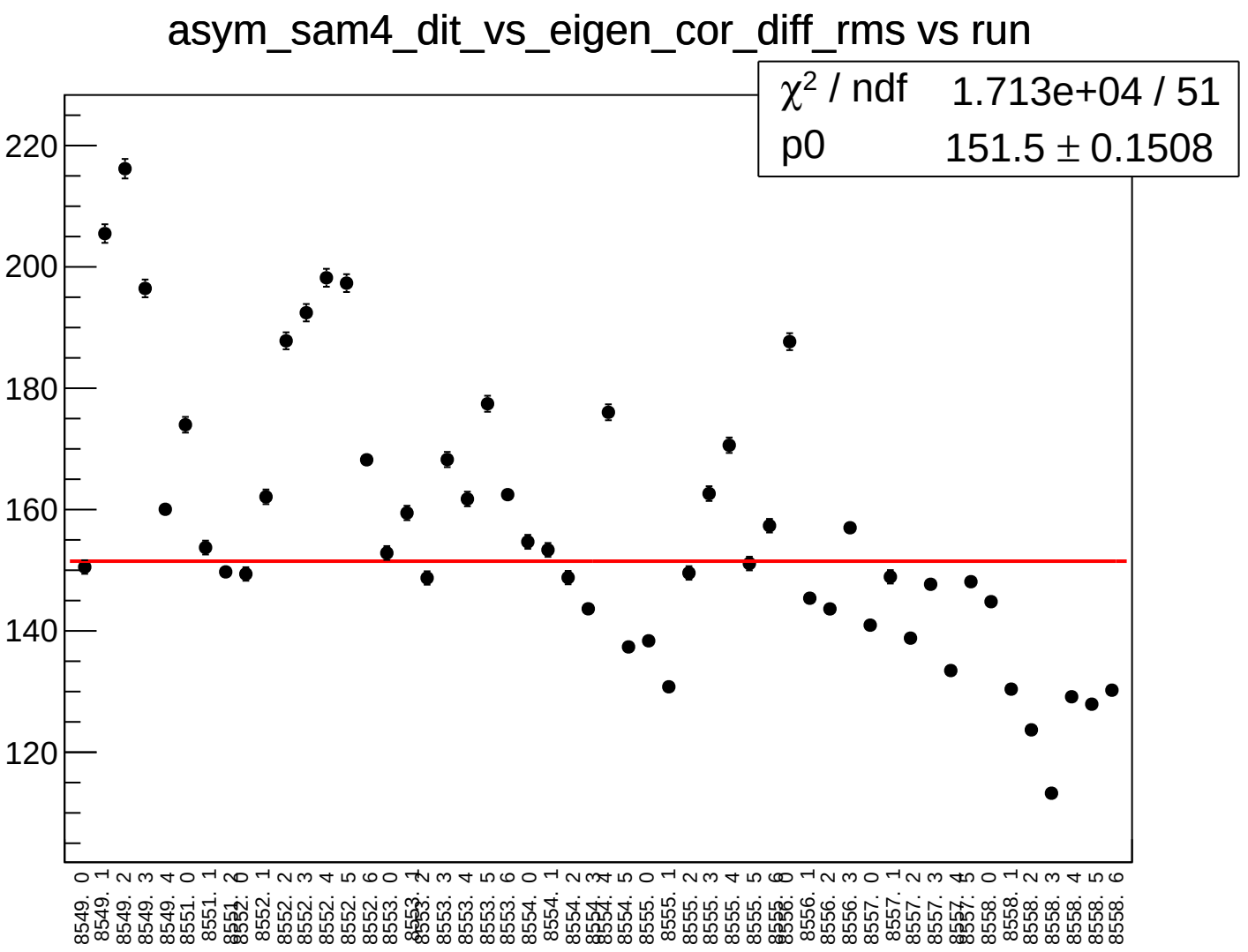

pull1D
Entries 52
Mean 0.006899
Std Dev 1.044

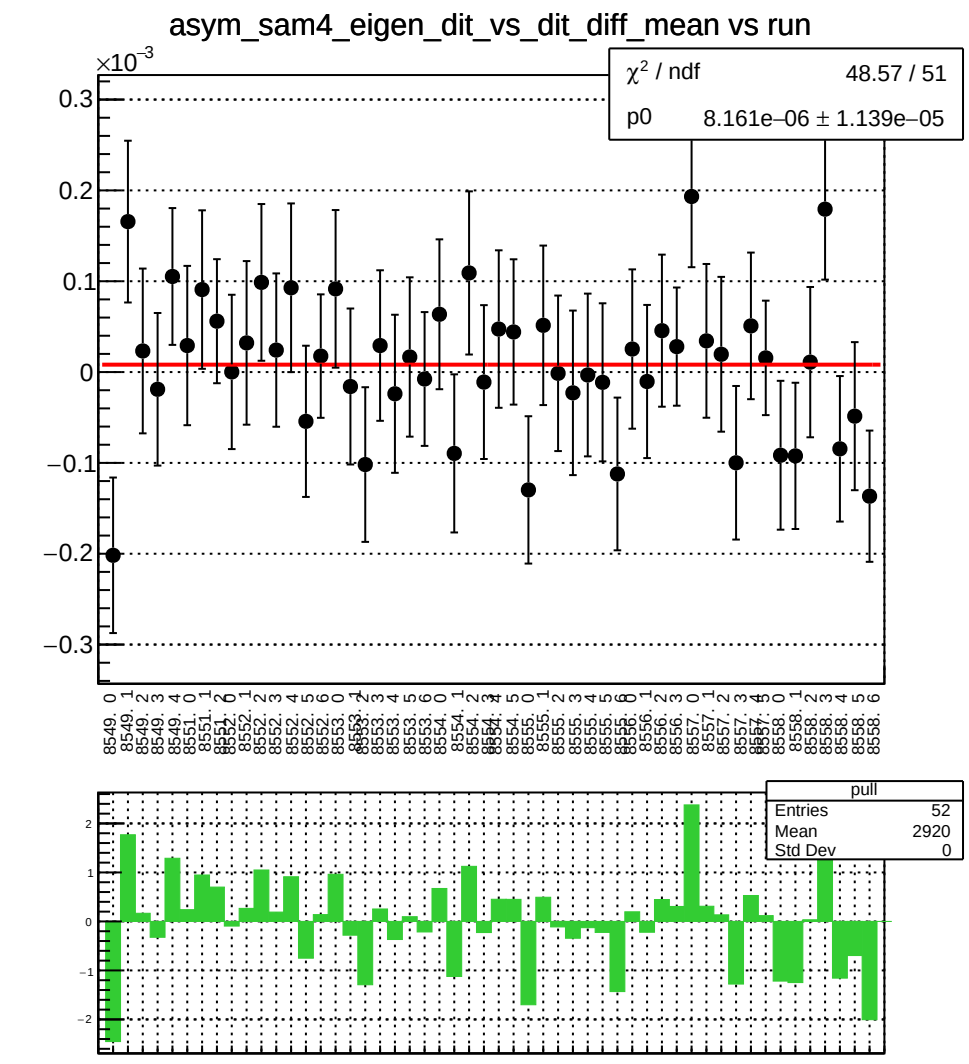

asym_sam4_reg_vs_cor_diff_rms vs run
χ² / ndf 5.556e+05 / 51
p0 2.544e−10 ± 3.706e−13
0.25
0.2
0.15
0.1
0.05
0
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8549. 5
8551. 0
8551. 1
8551. 2
8552. 0
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 1
8553. 2
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 3
8554. 4
8554. 5
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8555. 6
8556. 0
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8557. 4
8557. 5
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

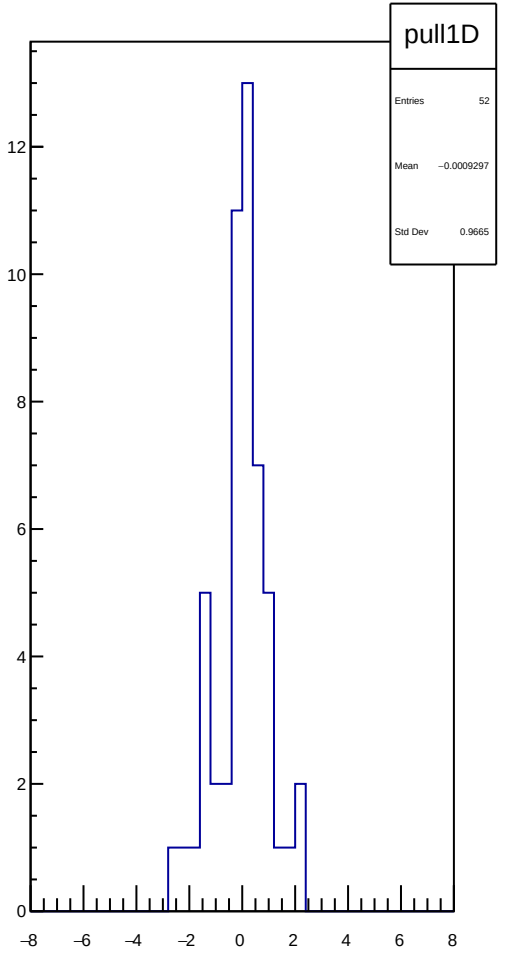

asym_sam4_dit_vs_cor_diff_mean vs run
χ² / ndf 70.07 / 51
p0 −0.8931± 0.2132
pull
Entries 52
Mean 162.6
Std Dev 0
pull1D
Entries 52
Mean −0.01793
Std Dev 1.161

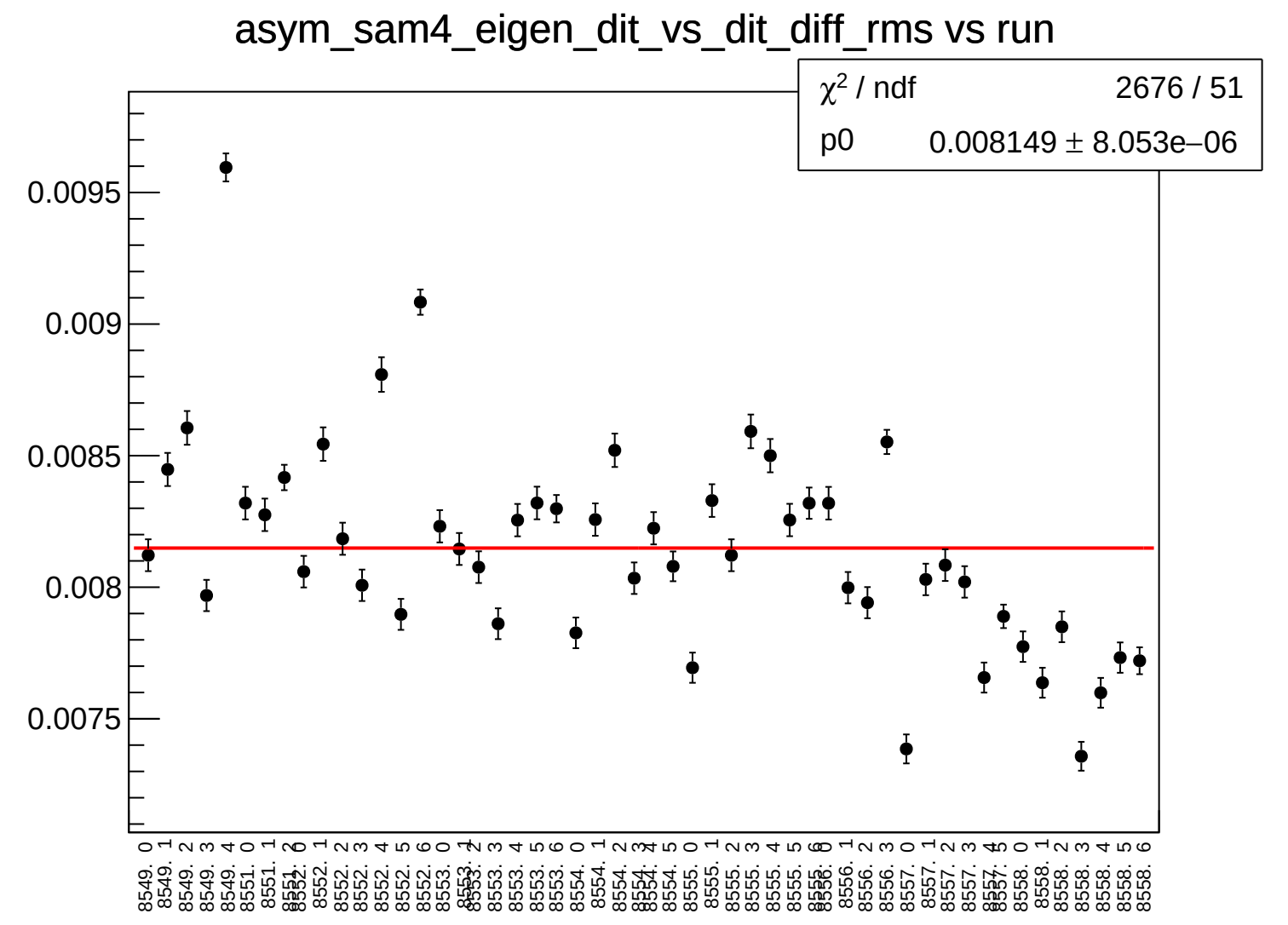

asym_sam4_dit_vs_cor_diff_rms vs run
χ² / ndf 1.713e+04 / 51
p0 151.5 ± 0.1508
220
200
180
160
140
120
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 5
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

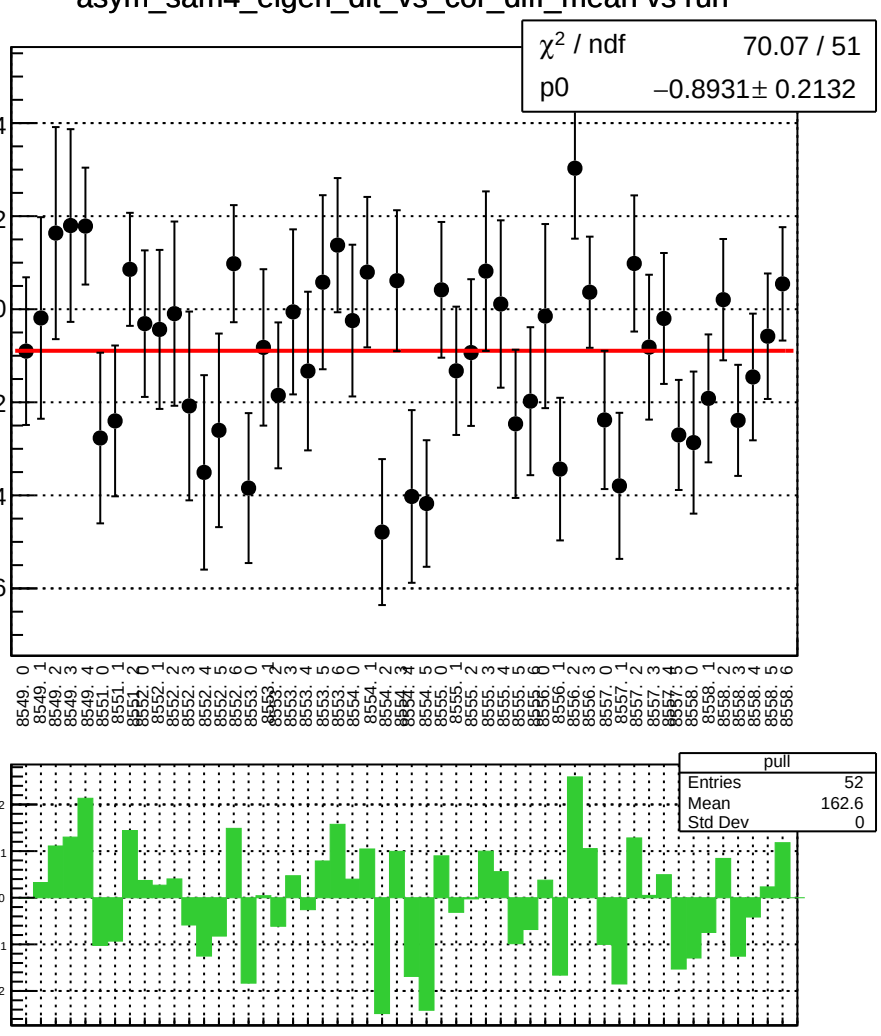

asym_sam4_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 70.07 / 51
p0 −0.8931± 0.2132
pull
Entries 52
Mean 162.6
Std Dev 0
pull1D
Entries 52
Mean −0.01793
Std Dev 1.161

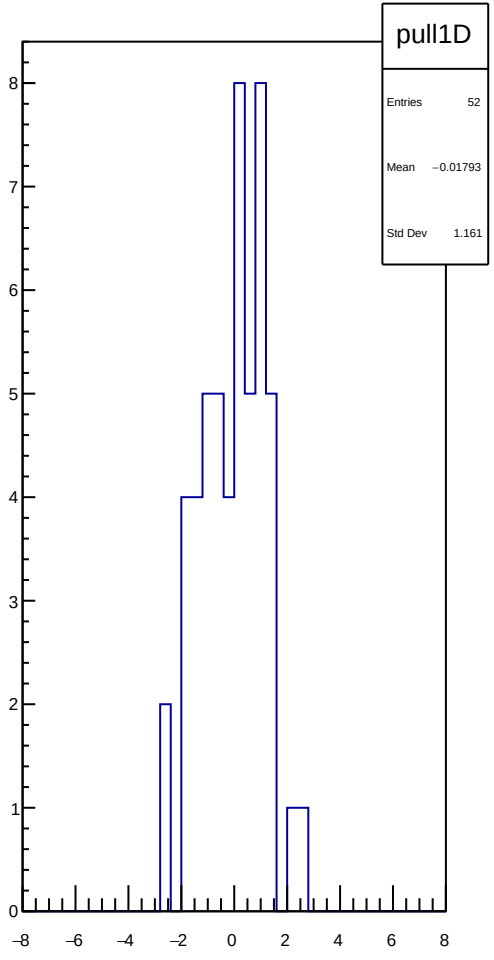

asym_sam4_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.713e+04 / 51
p0 151.5 ± 0.1508
220
200
180
160
140
120
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 5
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

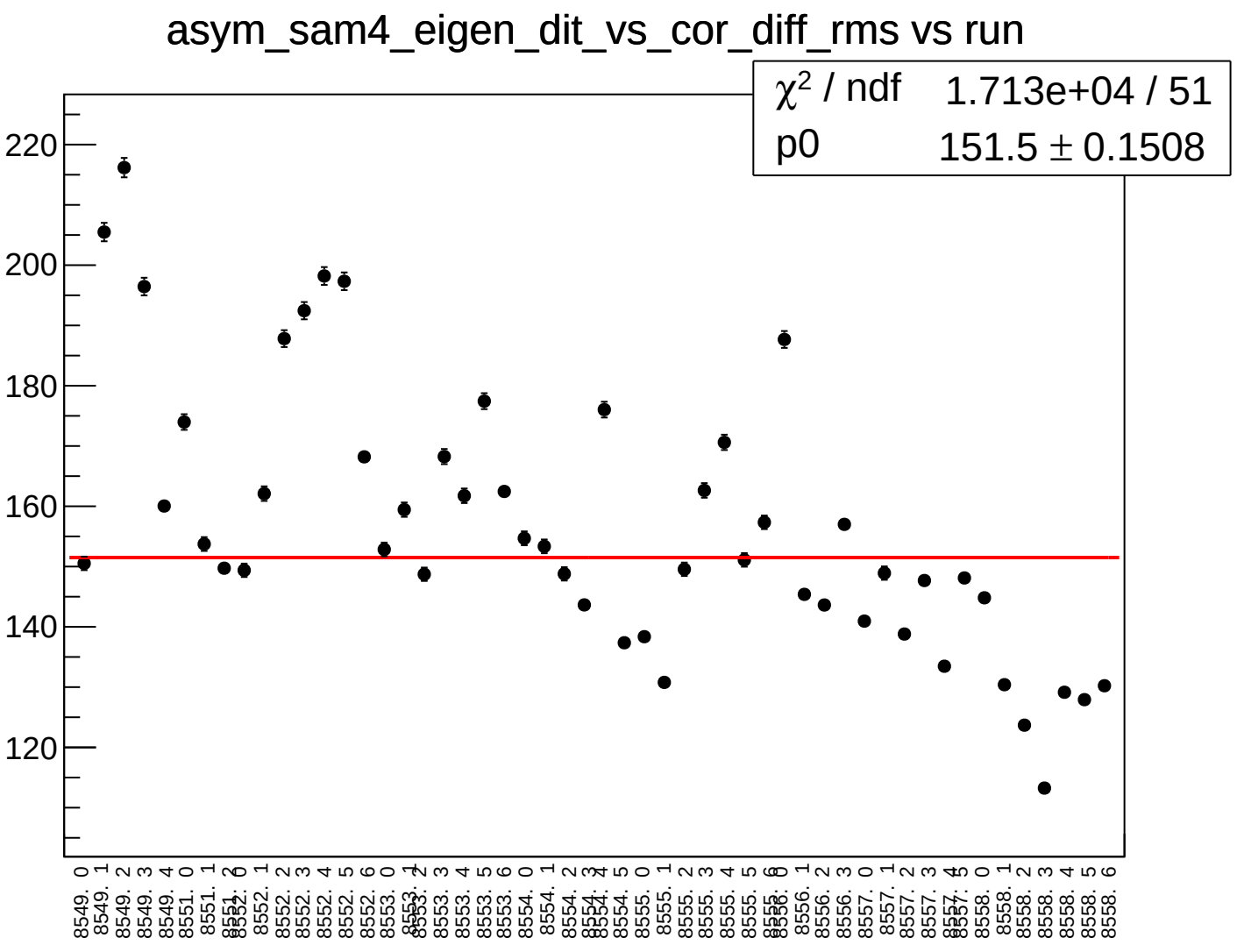

asym_sam4_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 48.57 / 51
p0 8.161e−06 ± 1.139e−05
0.3
0.2
0.1
0
−0.1
−0.2
−0.3
pull
Entries 52
Mean 2920
Std Dev 0
2
1
0
−1
−2

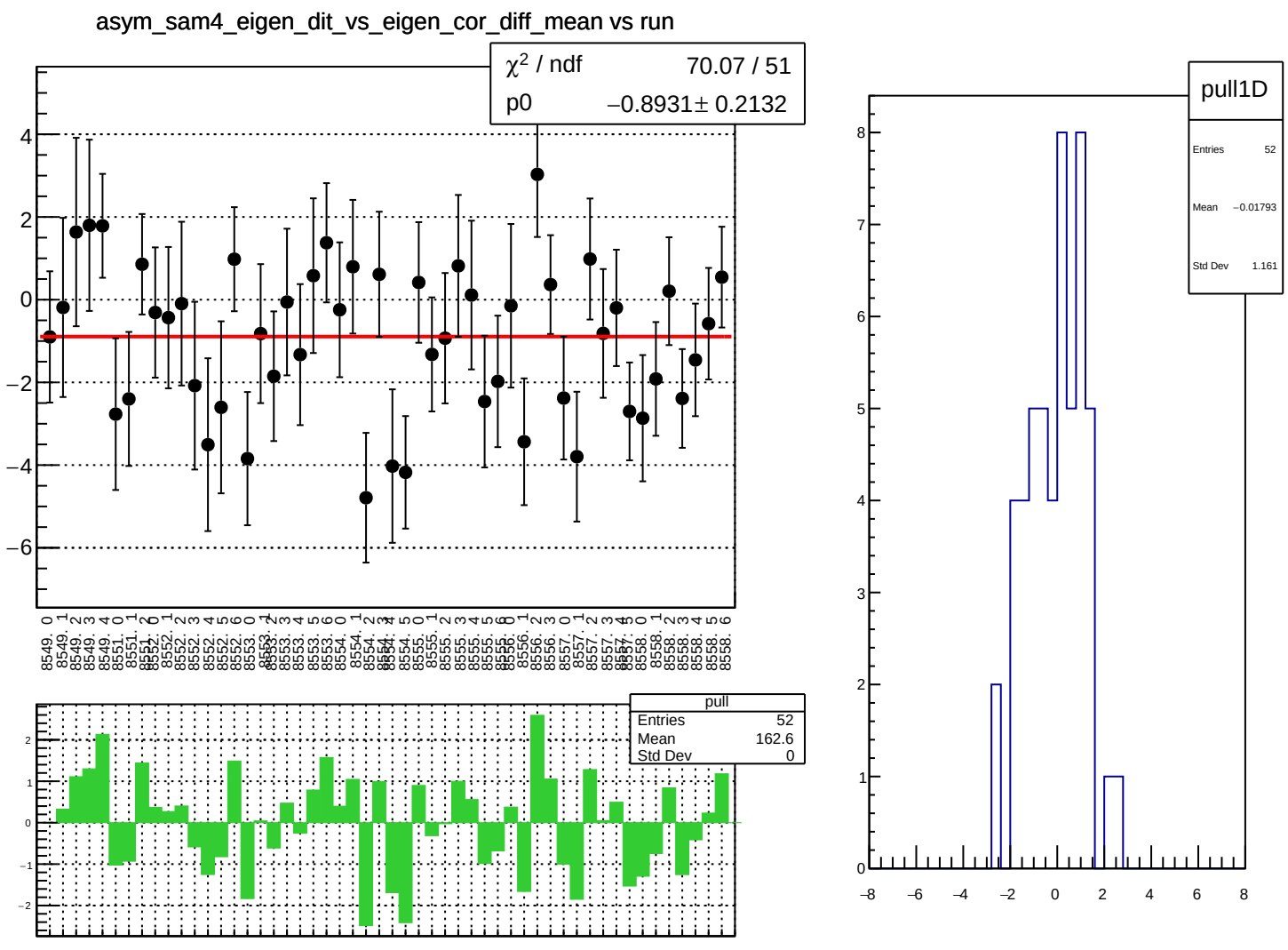

pull1D
Entries 52
Mean −0.0009297
Std Dev 0.9665
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

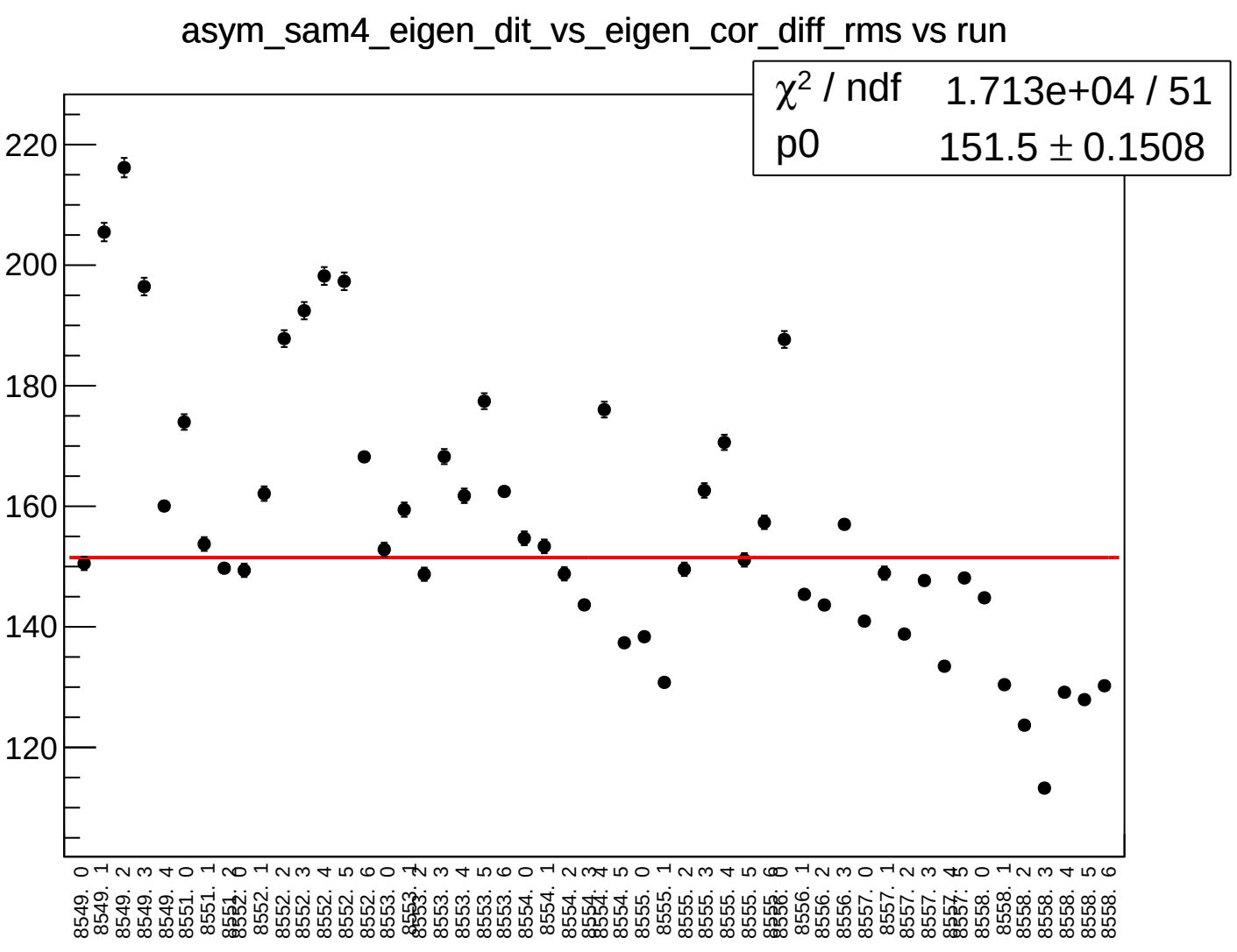

asym_sam4_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 2676 / 51
p0 0.008149 ± 8.053e−06
0.0095
0.009
0.0085
0.008
0.0075
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

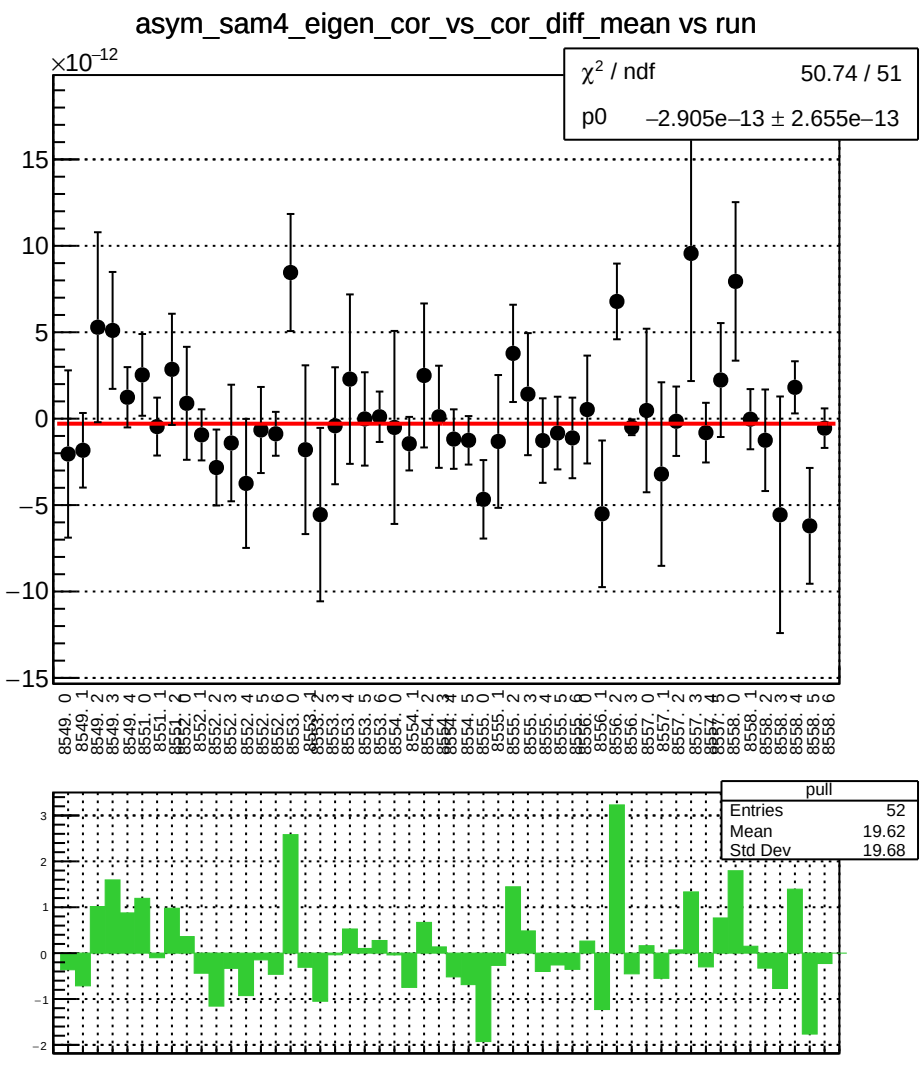

asym_sam4_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 70.07 / 51
p0 −0.8931± 0.2132
pull
Entries 52
Mean 162.6
Std Dev 0

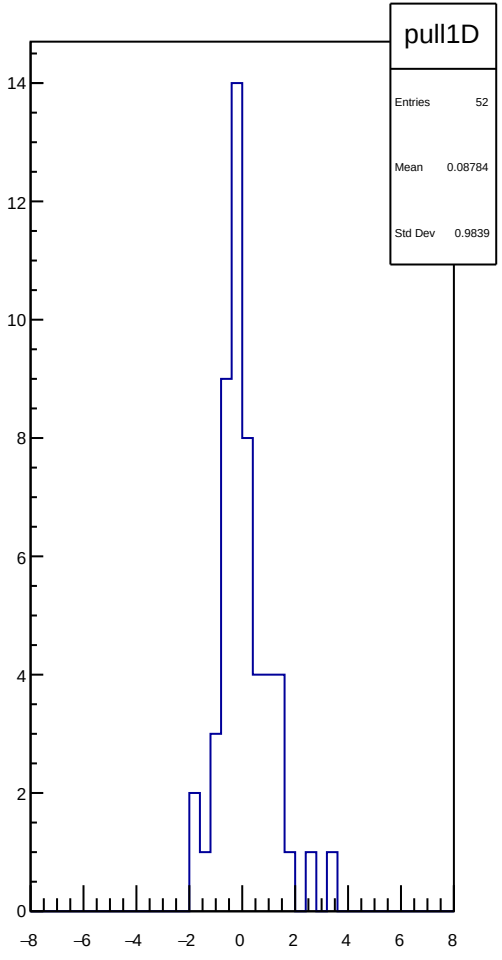

pull1D
Entries 52
Mean −0.01793
Std Dev 1.161

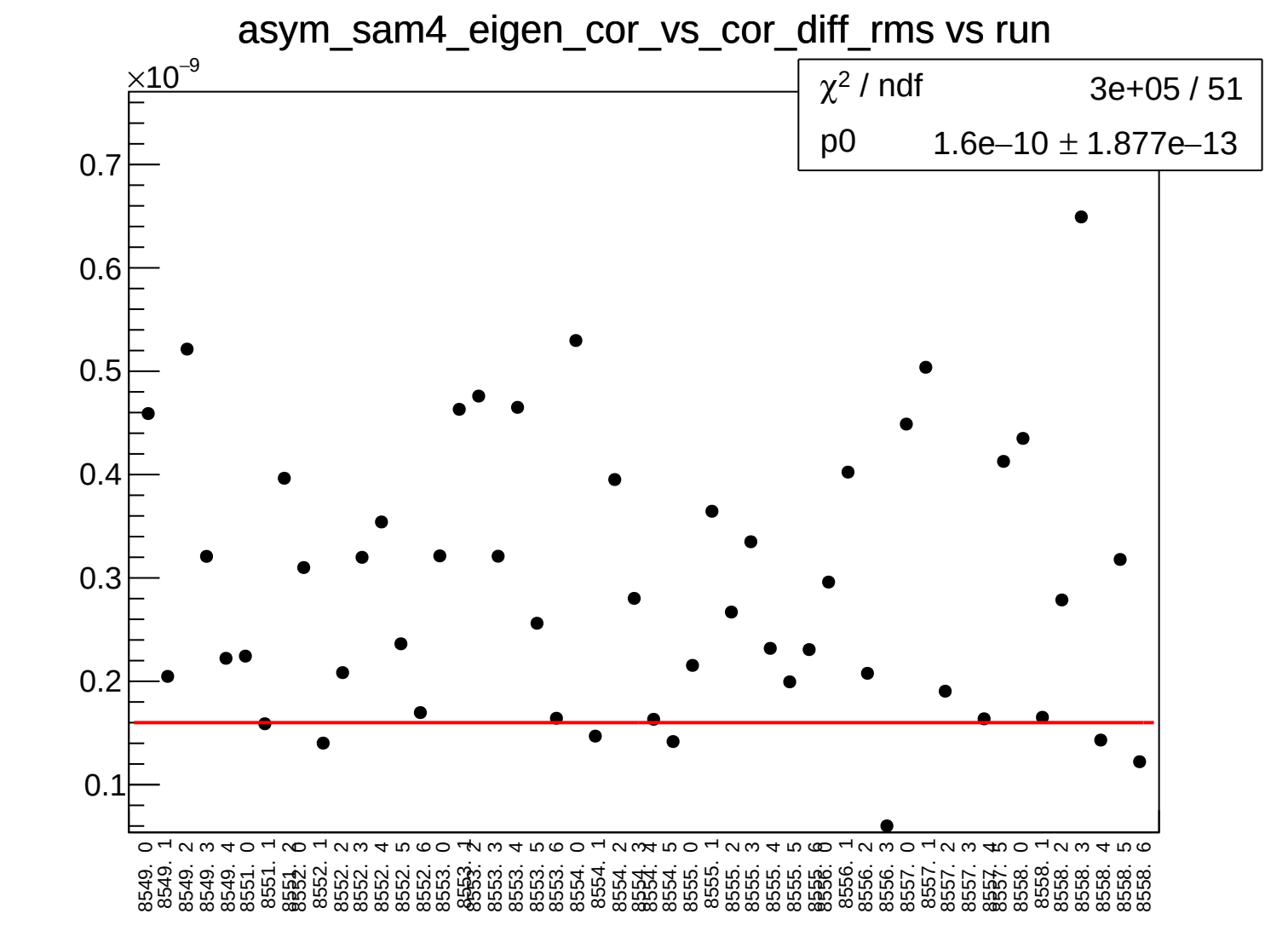

asym_sam4_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 1.713e+04 / 51
p0 151.5 ± 0.1508
220
200
180
160
140
120
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 5
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

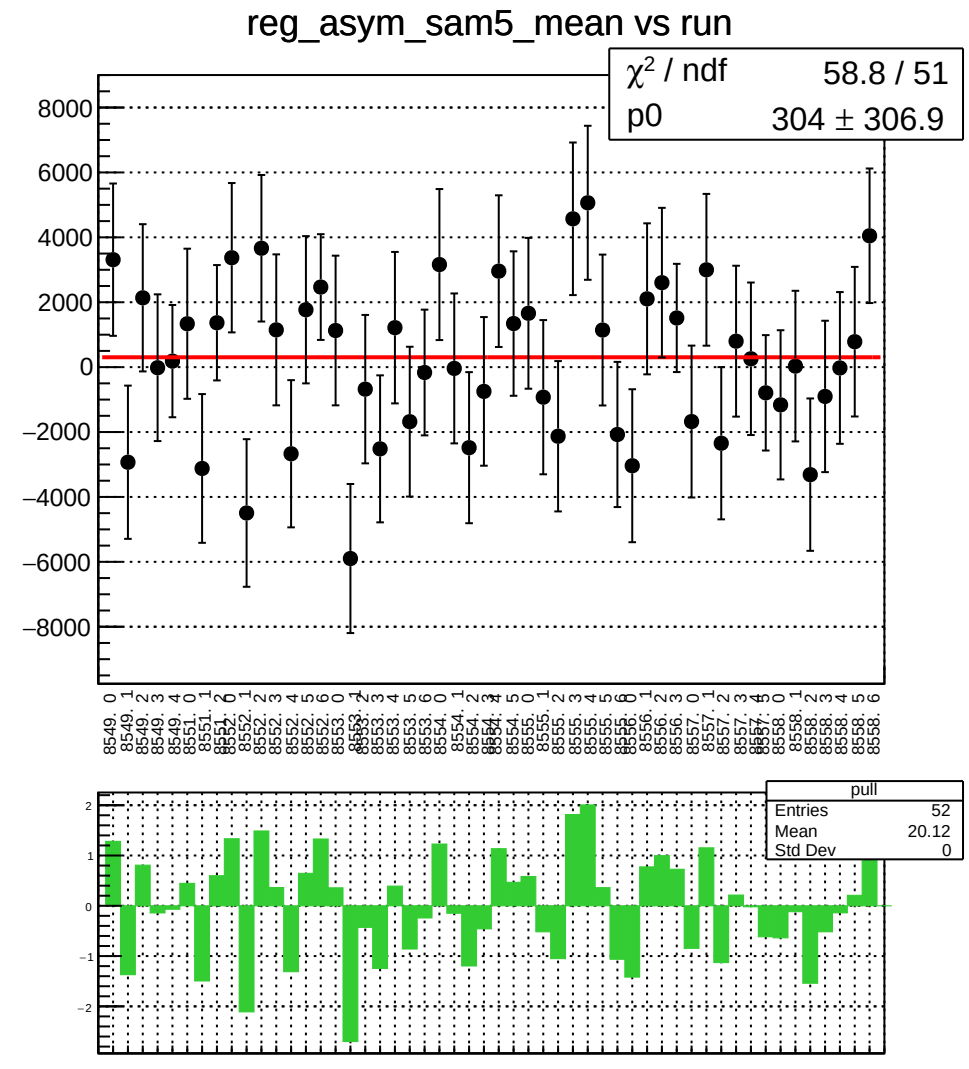

asym_sam4_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 70.07 / 51
p0 −0.8931± 0.2132
pull
Entries 52
Mean 162.6
Std Dev 0
pull1D
Entries 52
Mean −0.01793
Std Dev 1.161

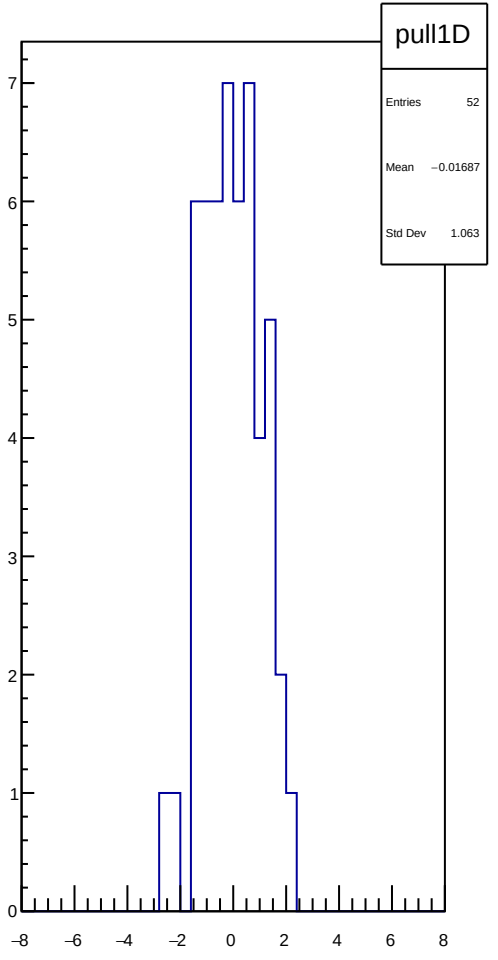

asym_sam4_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.713e+04 / 51
p0 151.5 ± 0.1508
220
200
180
160
140
120
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 5
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

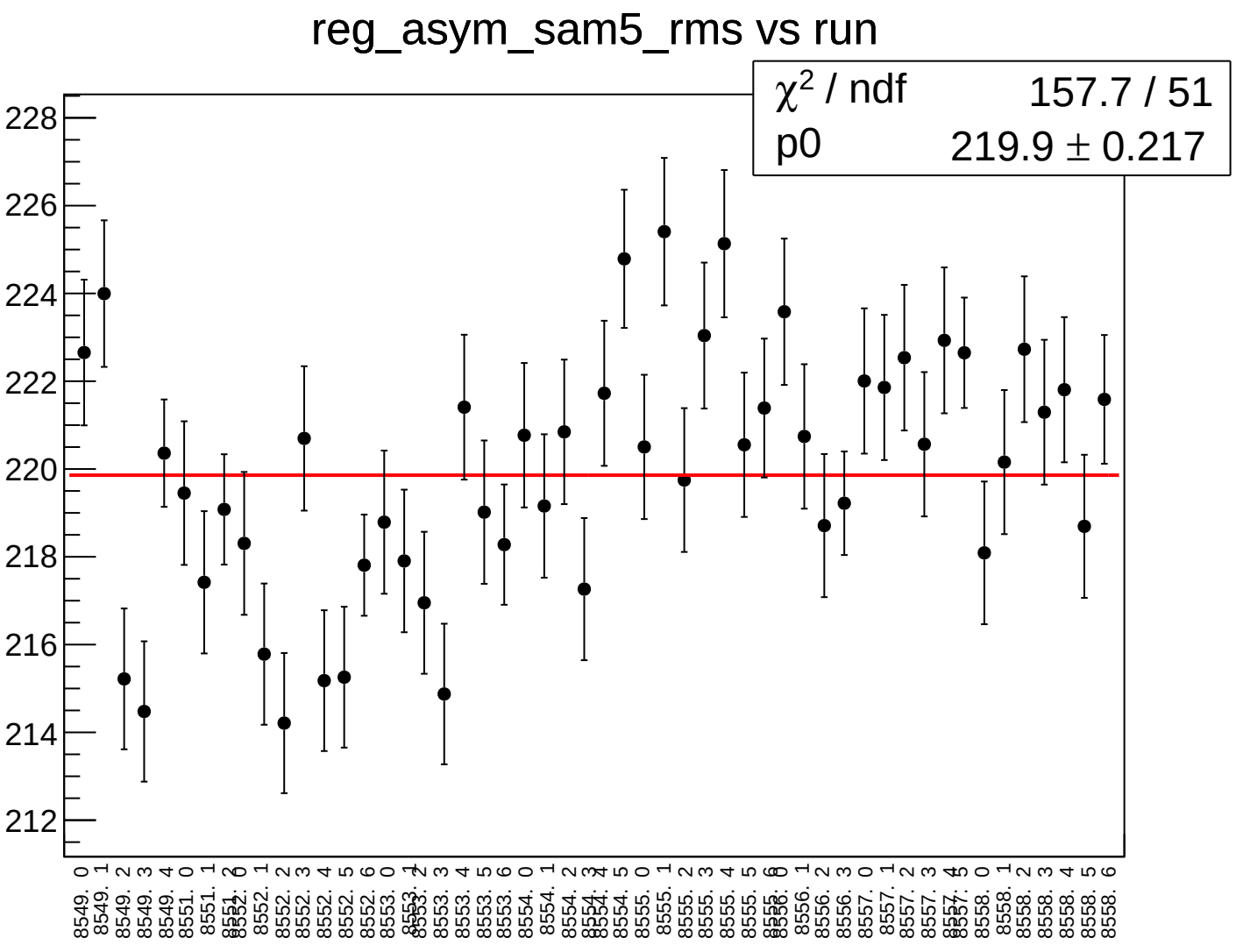

asym_sam4_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 50.74 / 51
p0 −2.905e−13 ± 2.655e−13
pull
Entries 52
Mean 19.62
Std Dev 19.68

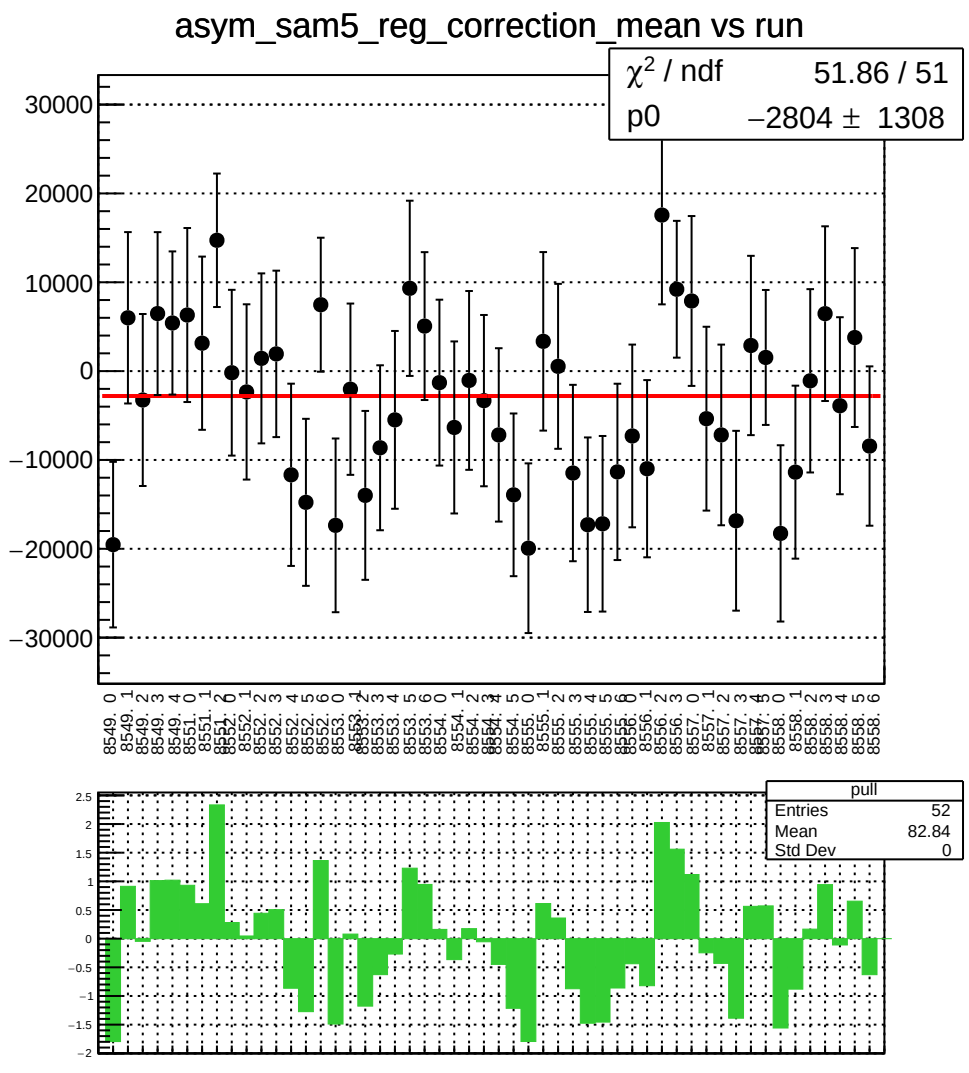

pull1D
Entries 52
Mean 0.08784
Std Dev 0.9839

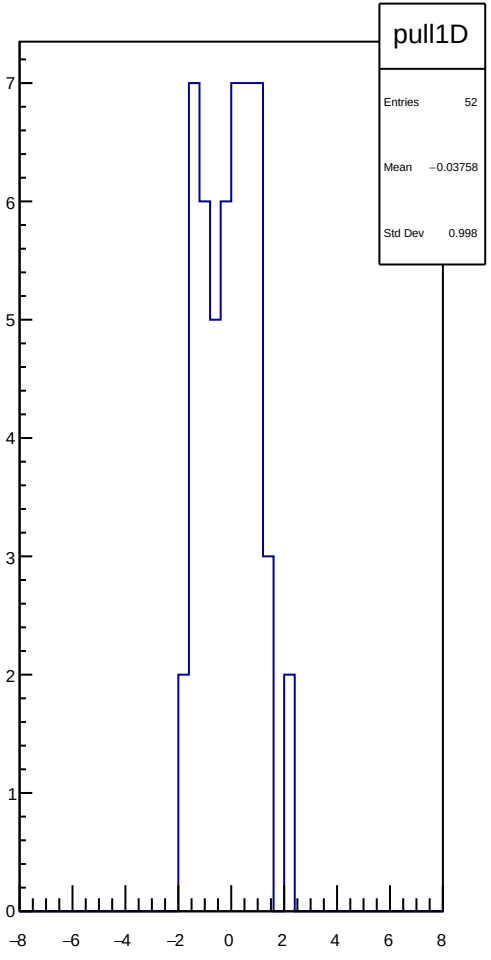

asym_sam4_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 3e+05 / 51
p0 1.6e−10 ± 1.877e−13
0.7
0.6
0.5
0.4
0.3
0.2
0.1
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 5
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

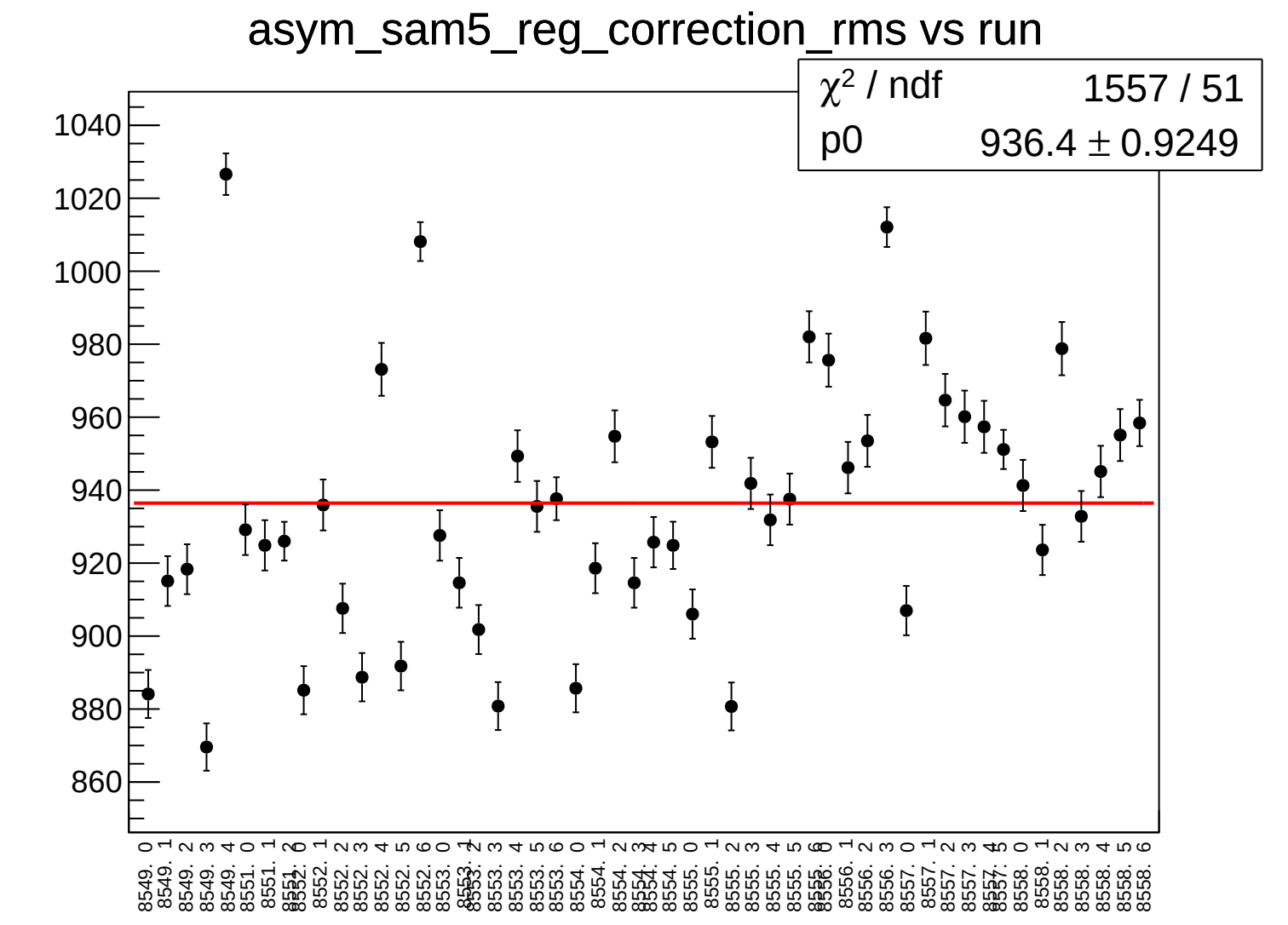

reg_asym_sam5_mean vs run
χ² / ndf 58.8 / 51
p0 304 ± 306.9
pull
Entries 52
Mean 20.12
Std Dev 0

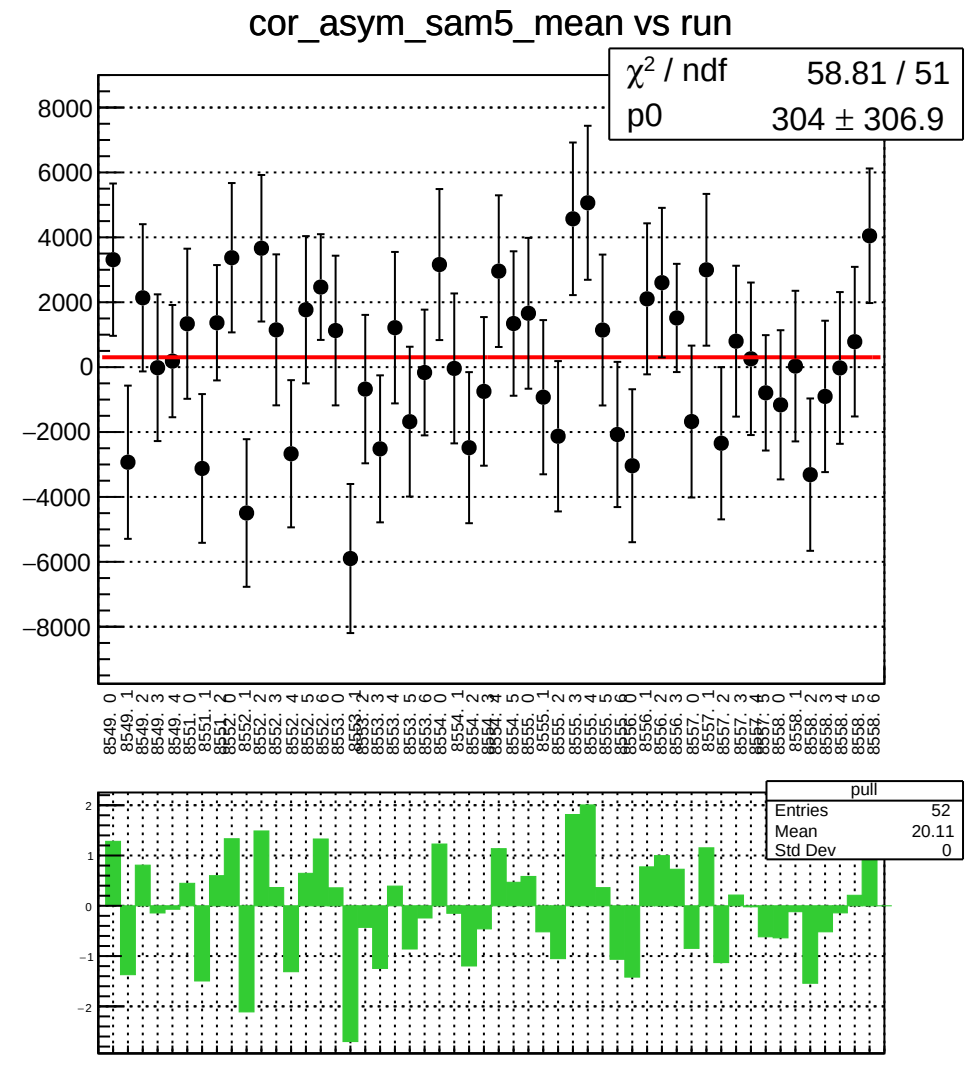

pull1D
Entries 52
Mean −0.01687
Std Dev 1.063

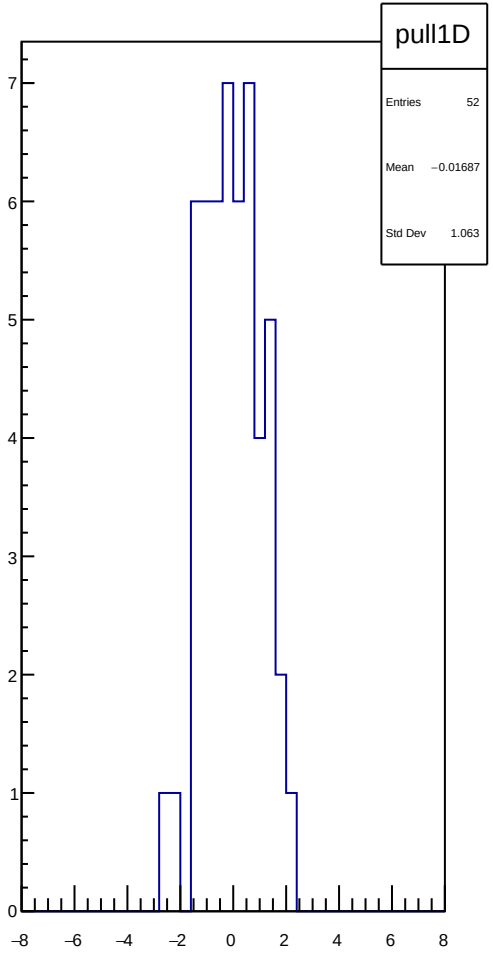

reg_asym_sam5_rms vs run
χ² / ndf 157.7 / 51
p0 219.9 ± 0.217
228
226
224
222
220
218
216
214
212
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 5
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

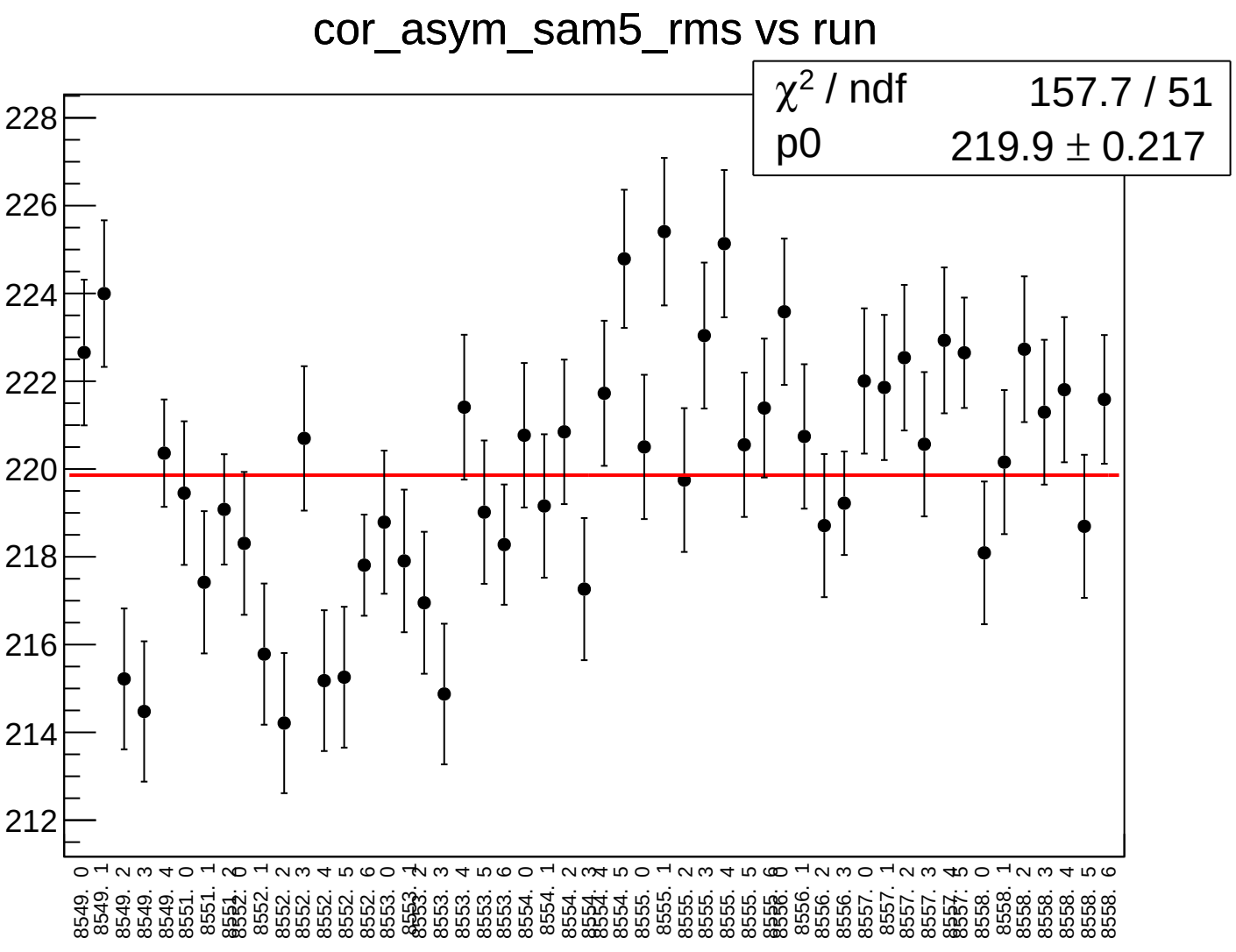

asym_sam5_reg_correction_mean vs run
χ² / ndf 51.86 / 51
p0 −2804 ± 1308
30000
20000
10000
0
−10000
−20000
−30000
pull
Entries 52
Mean 82.84
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2


pull1D
Entries 52
Mean −0.03758
Std Dev 0.998
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


asym_sam5_reg_correction_rms vs run
χ² / ndf 1557 / 51
p0 936.4 ± 0.9249
1040
1020
1000
980
960
940
920
900
880
860
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6


cor_asym_sam5_mean vs run
χ² / ndf 58.81 / 51
p0 304 ± 306.9
pull
Entries 52
Mean 20.11
Std Dev 0


pull1D
Entries 52
Mean −0.01687
Std Dev 1.063


cor_asym_sam5_rms vs run
χ² / ndf 157.7 / 51
p0 219.9 ± 0.217
228
226
224
222
220
218
216
214
212
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 5
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
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8557. 3
8558. 0
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8558. 3
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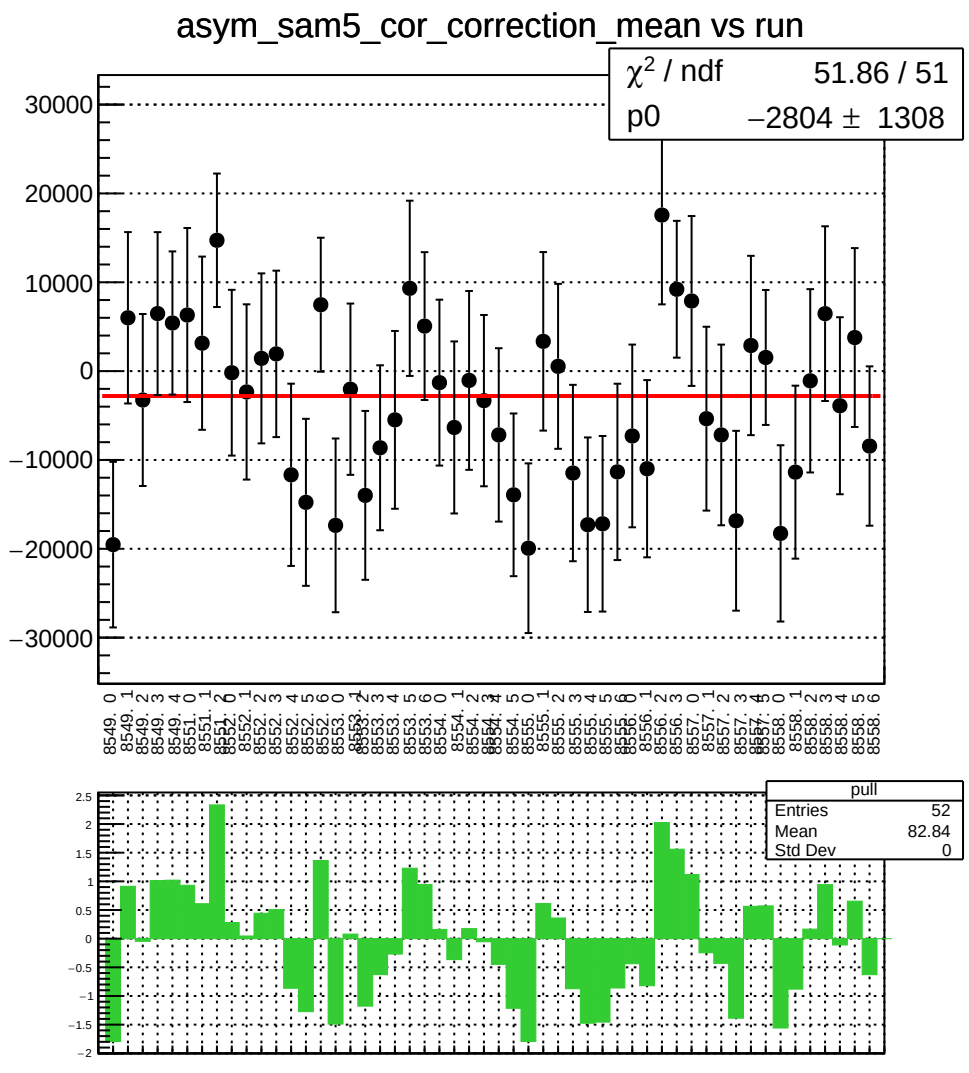
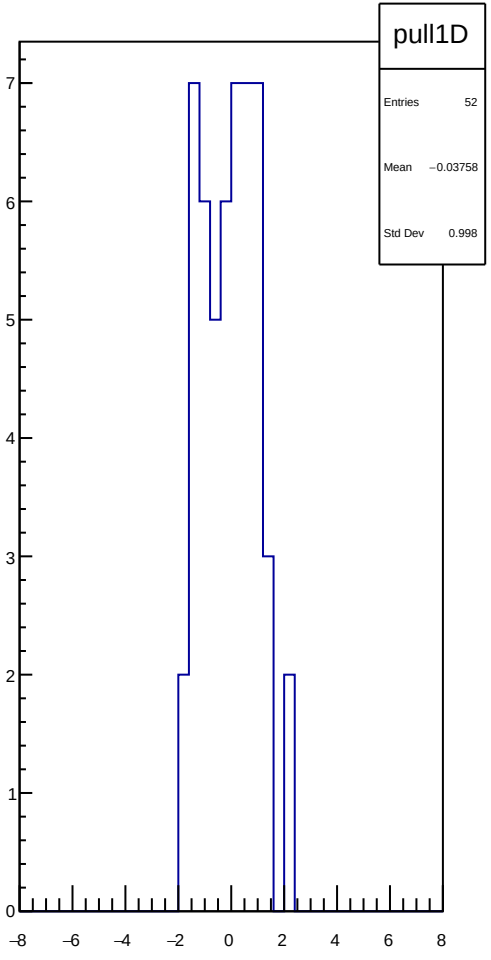
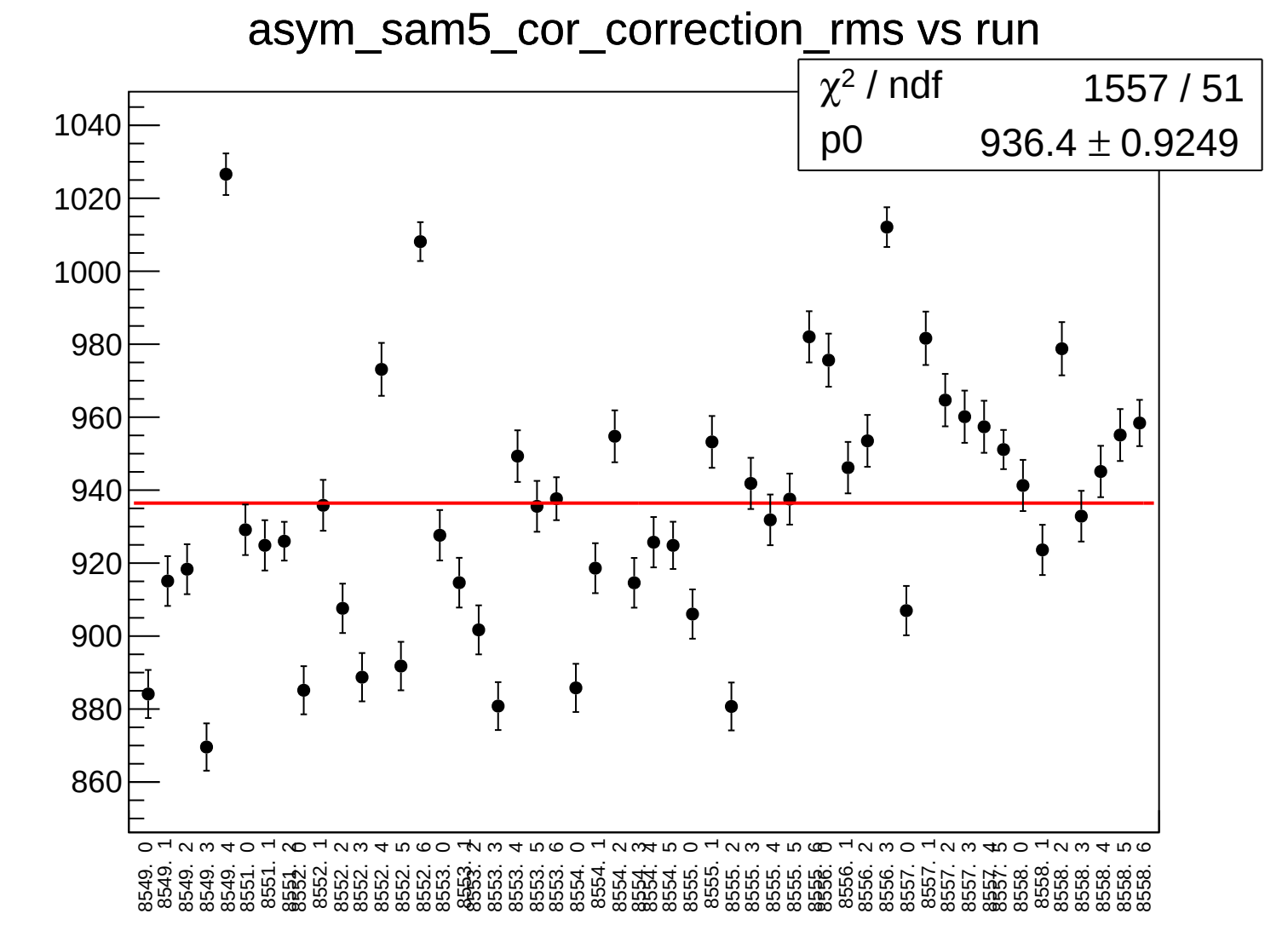
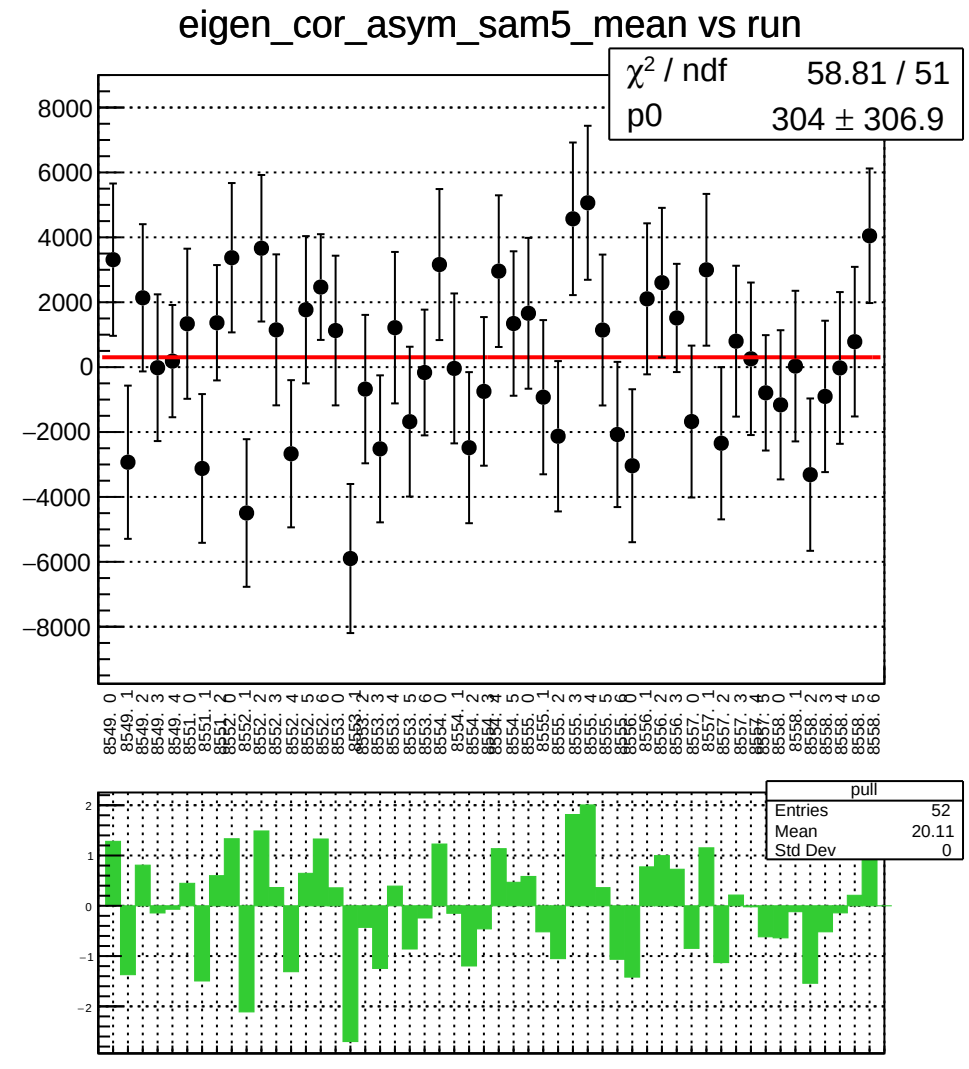
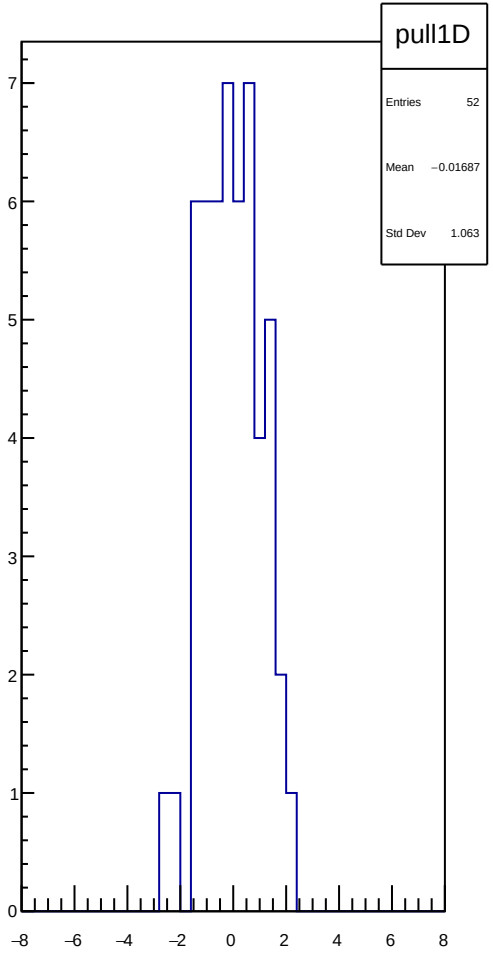
8558. 5
8558. 6

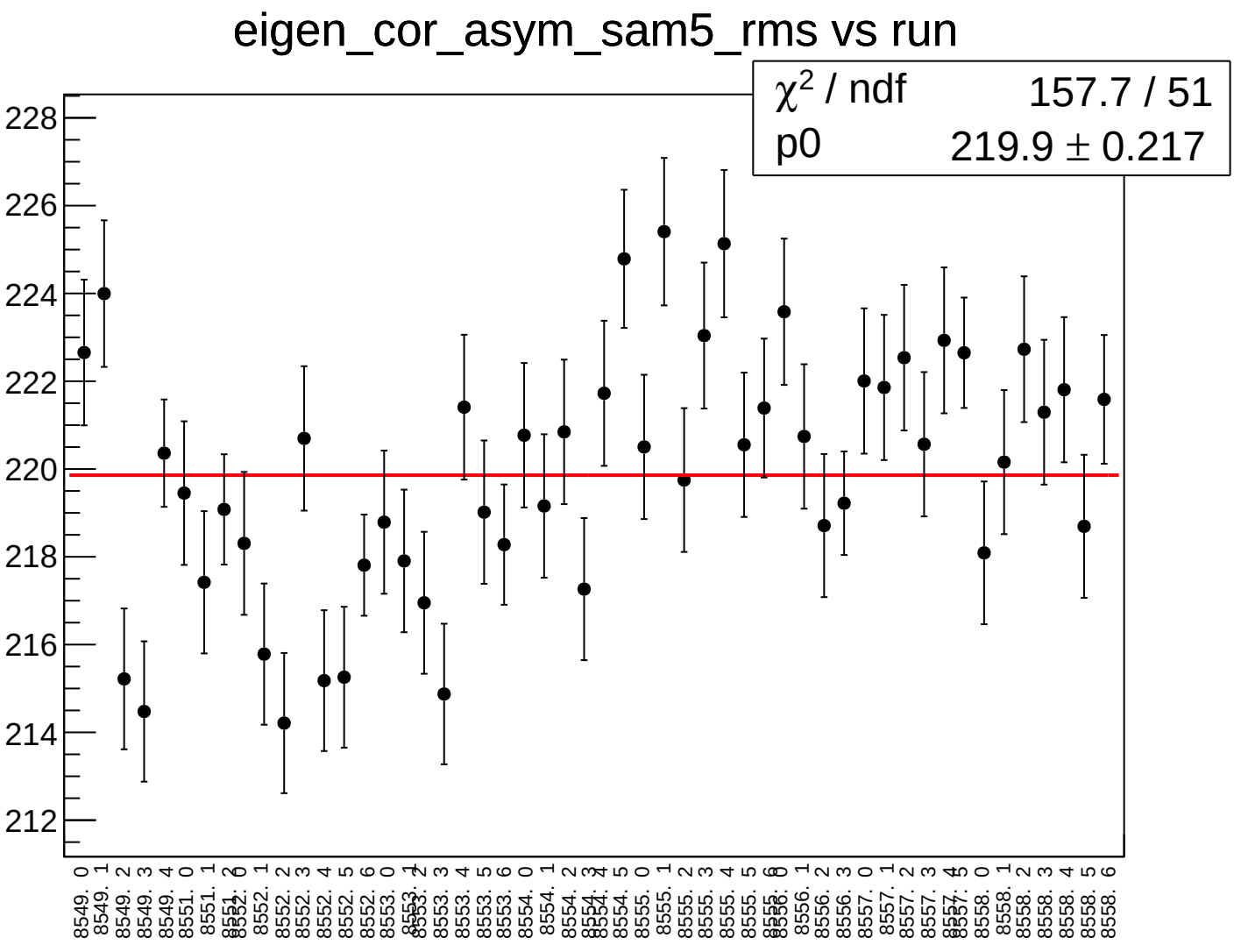

asym_sam5_cor_correction_mean vs run
χ² / ndf 51.86 / 51
p0 −2804 ± 1308
30000
20000
10000
0
−10000
−20000
−30000
pull
Entries 52
Mean 82.84
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

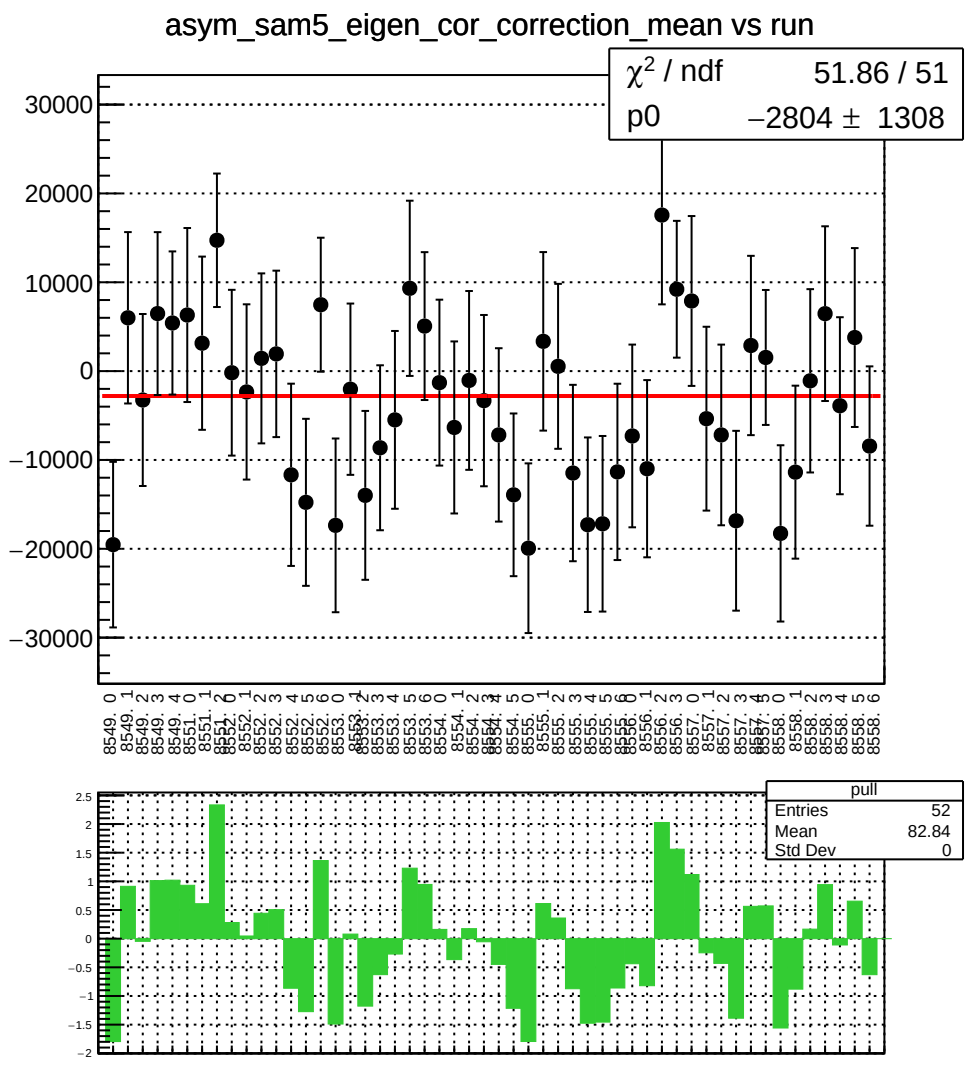

pull1D
Entries 52
Mean −0.03758
Std Dev 0.998
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

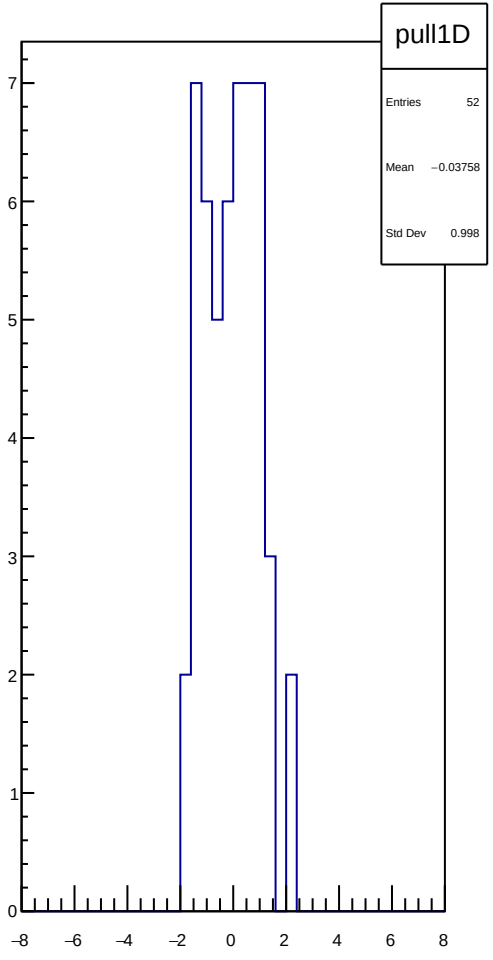

asym_sam5_cor_correction_rms vs run
χ² / ndf 1557 / 51
p0 936.4 ± 0.9249
1040
1020
1000
980
960
940
920
900
880
860
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

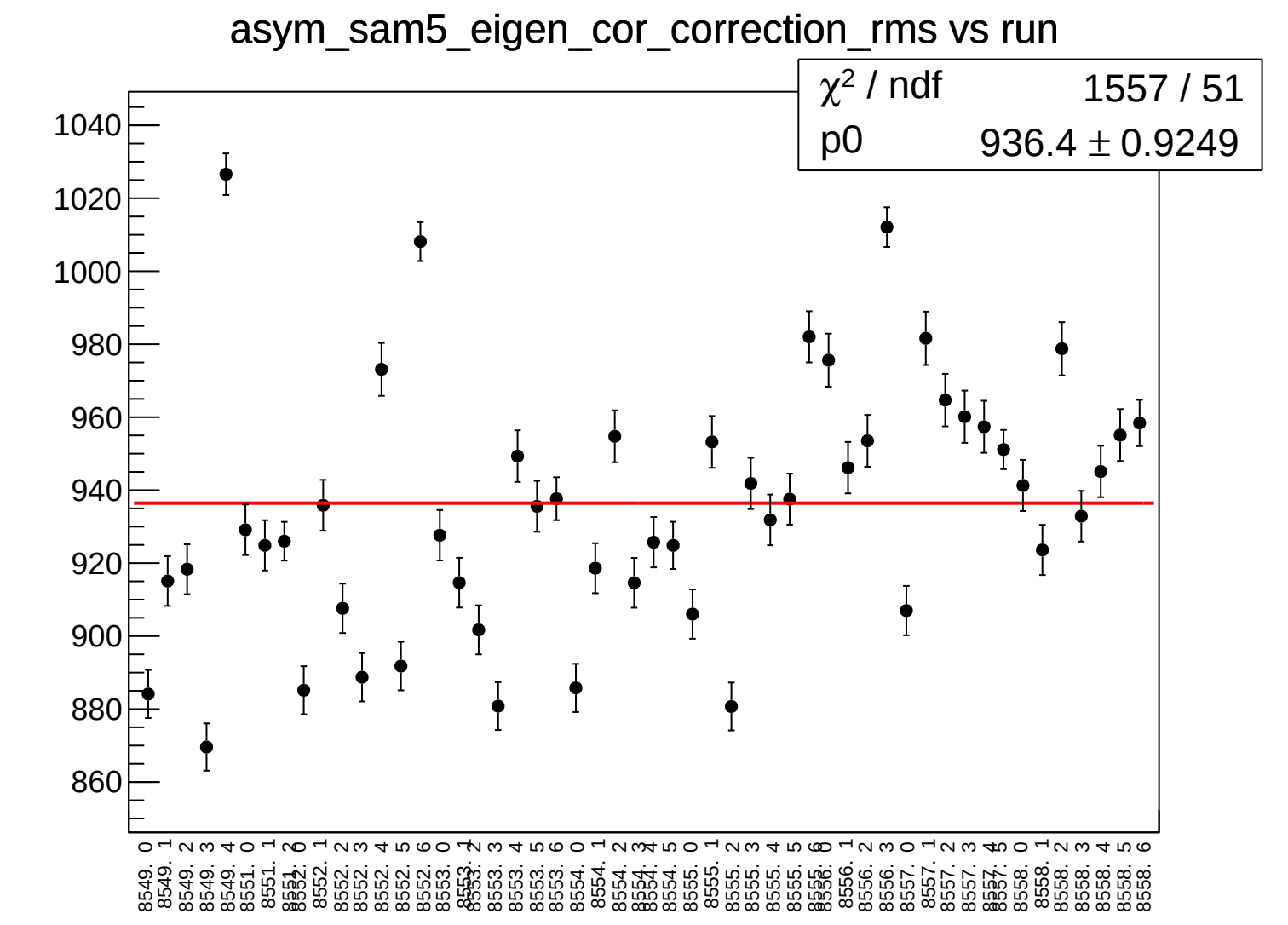

eigen_cor_asym_sam5_mean vs run
χ² / ndf 58.81 / 51
p0 304 ± 306.9
pull
Entries 52
Mean 20.11
Std Dev 0

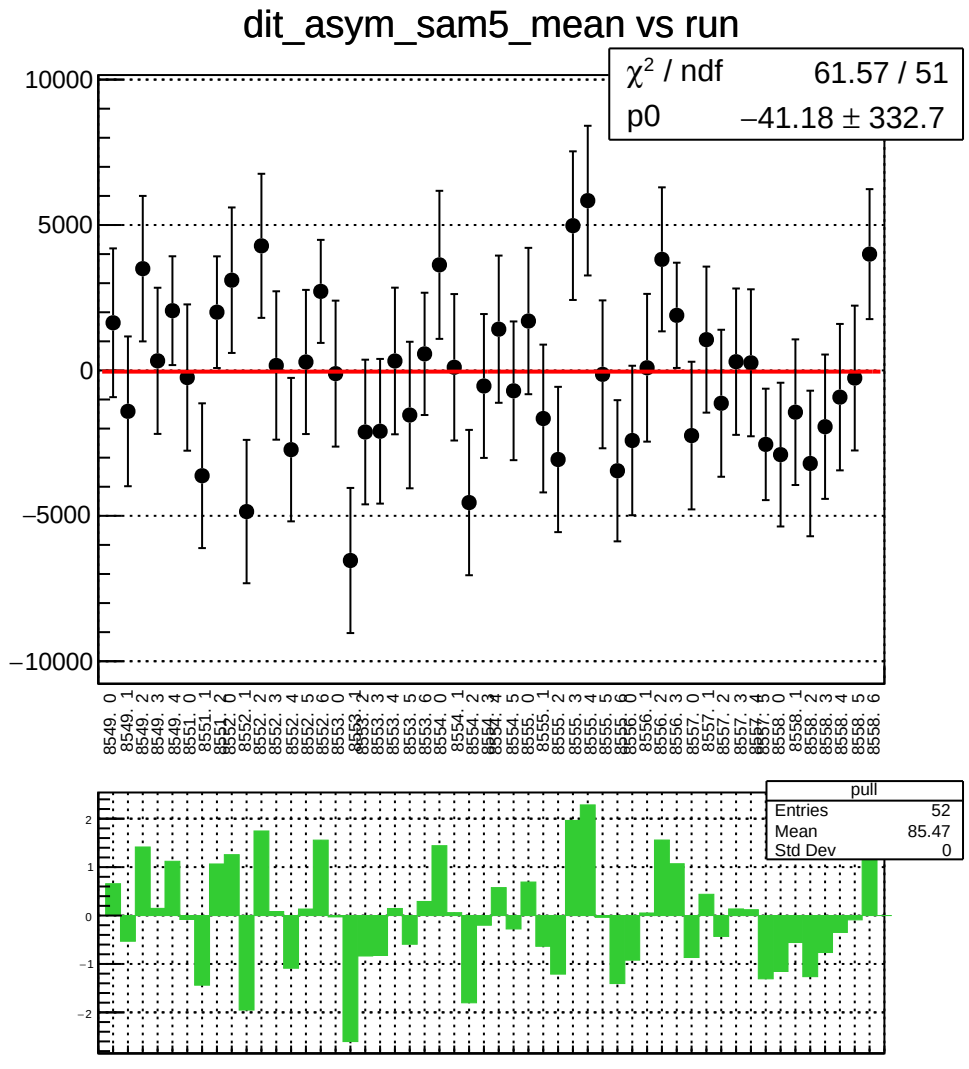

pull1D
Entries 52
Mean −0.01687
Std Dev 1.063

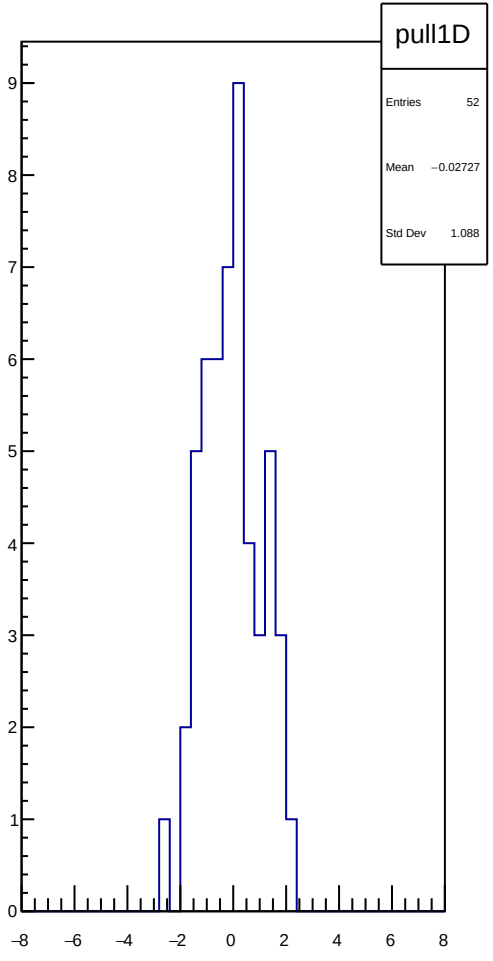

eigen_cor_asym_sam5_rms vs run
χ^2 / ndf 157.7 / 51
p0 219.9 ± 0.217
228
226
224
222
220
218
216
214
212
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 5
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

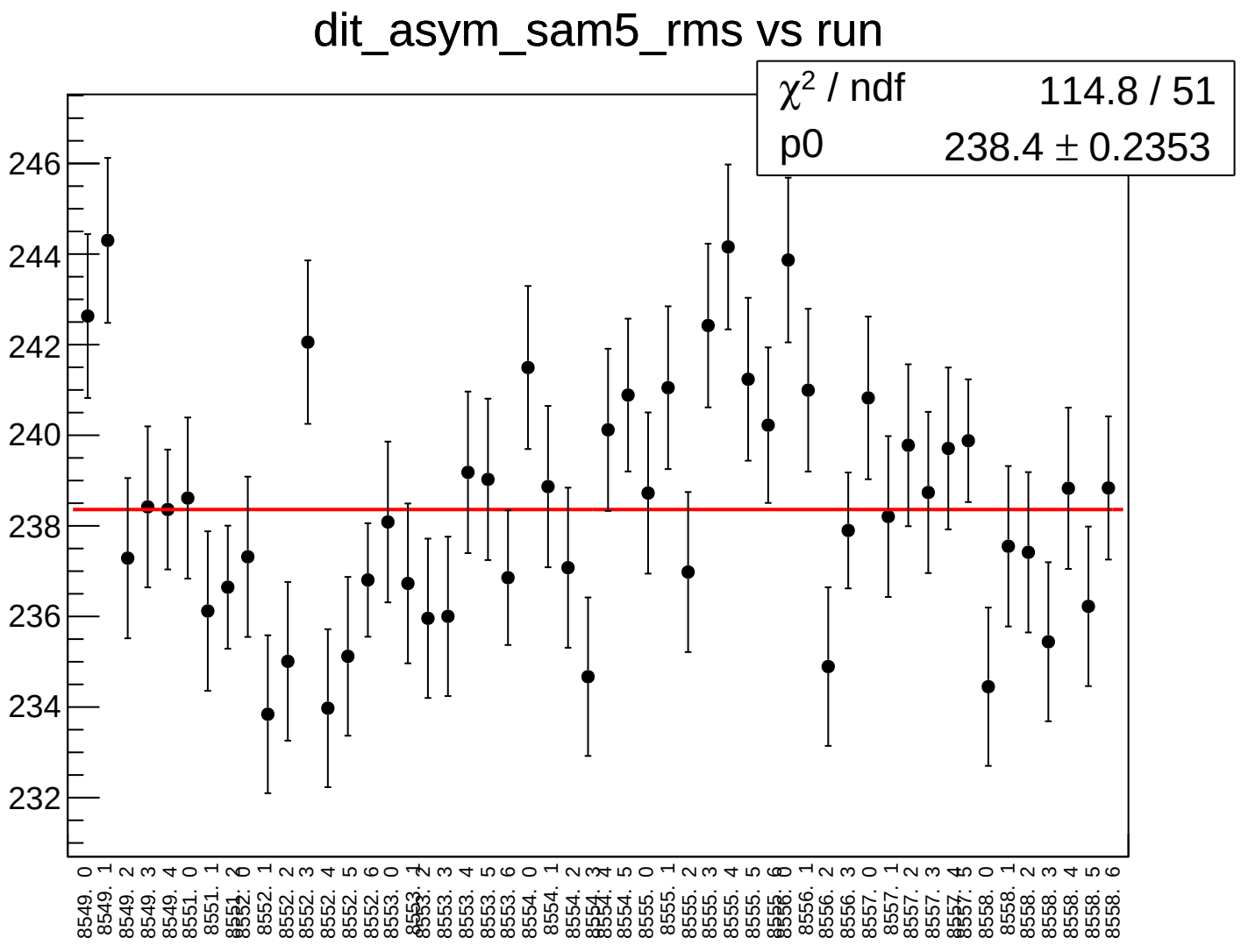

asym_sam5_eigen_cor_correction_mean vs run
χ² / ndf 51.86 / 51
p0 −2804 ± 1308
pull
Entries 52
Mean 82.84
Std Dev 0

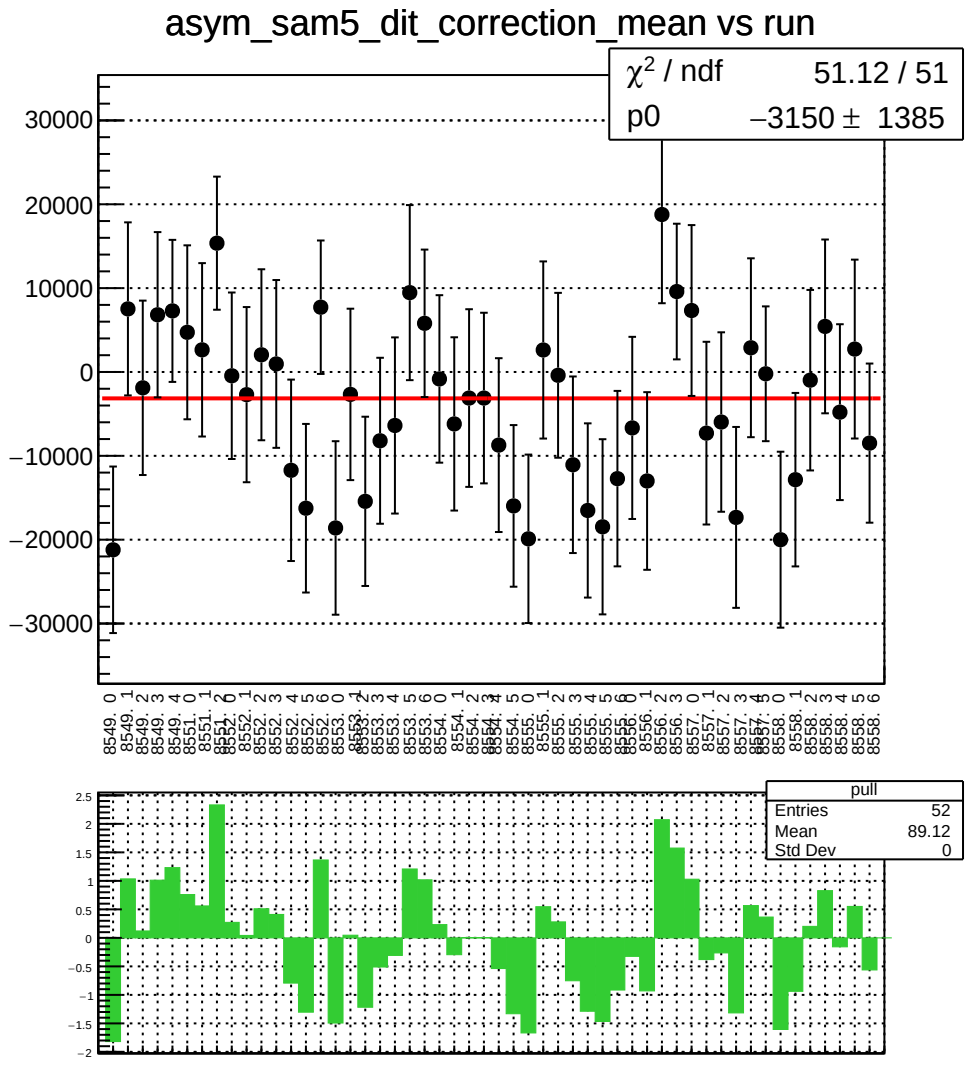

pull1D
Entries 52
Mean −0.03758
Std Dev 0.998

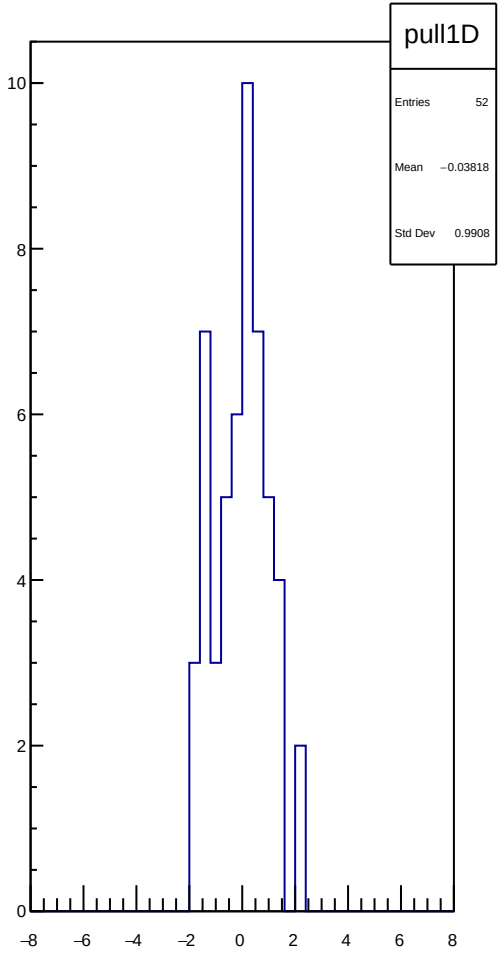

asym_sam5_eigen_cor_correction_rms vs run
χ² / ndf 1557 / 51
p0 936.4 ± 0.9249
1040
1020
1000
980
960
940
920
900
880
860
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

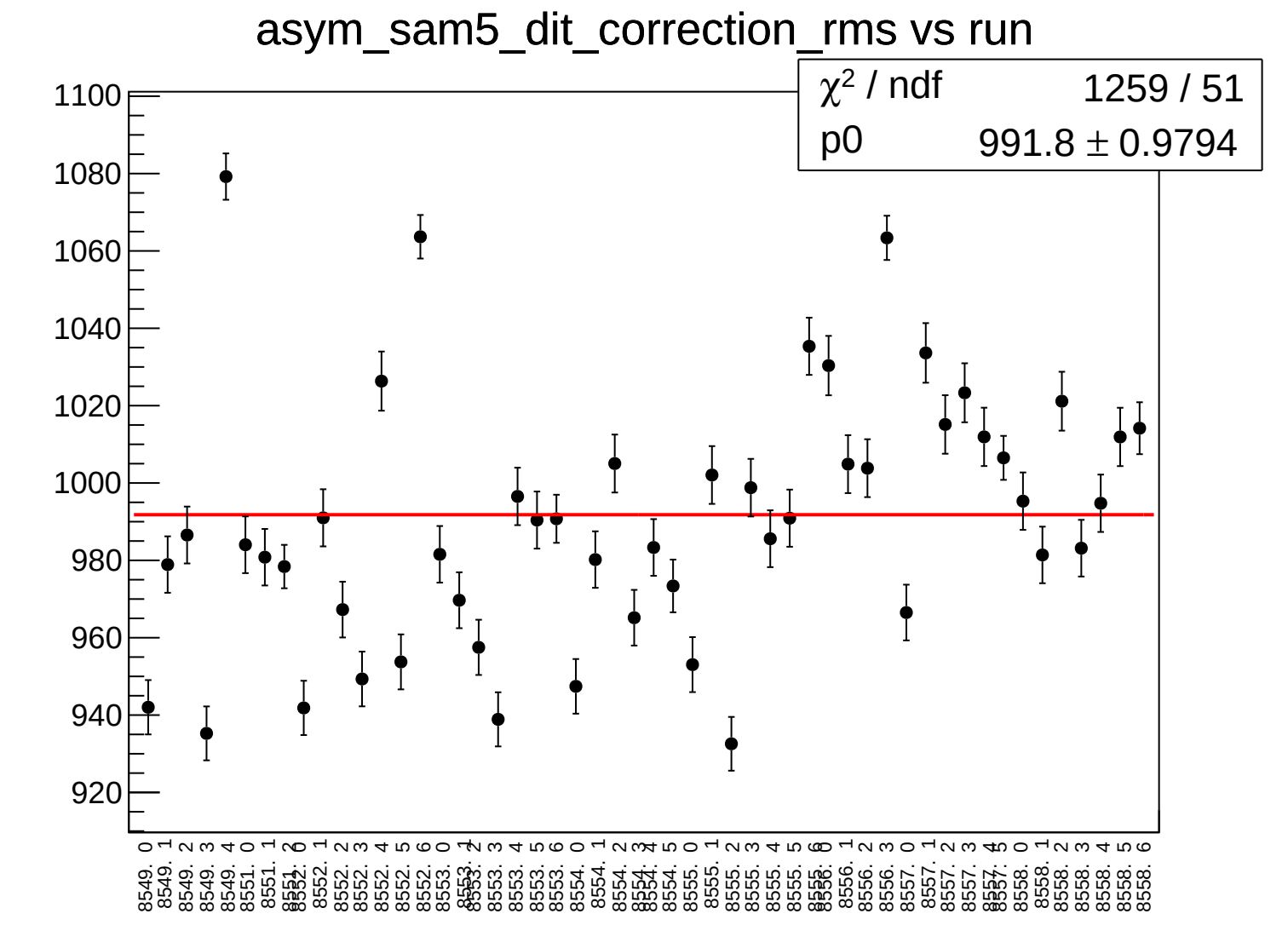

dit_asym_sam5_mean vs run
χ² / ndf 61.57 / 51
p0 −41.18 ± 332.7
10000
5000
0
−5000
−10000
pull
Entries 52
Mean 85.47
Std Dev 0
2
1
0
−1
−2


pull1D
Entries 52
Mean −0.02727
Std Dev 1.088
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
χ^2 / ndf 114.8 / 51
p0 238.4 ± 0.2353
246
244
242
240
238
236
234
232
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 5
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6


asym_sam5_dit_correction_mean vs run
χ² / ndf 51.12 / 51
p0 −3150 ± 1385
30000
20000
10000
0
−10000
−20000
−30000
pull
Entries 52
Mean 89.12
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2


pull1D
Entries 52
Mean −0.03818
Std Dev 0.9908
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


asym_sam5_dit_correction_rms vs run
χ² / ndf 1259 / 51
p0 991.8 ± 0.9794
1100
1080
1060
1040
1020
1000
980
960
940
920
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 5
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
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8558. 0
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8558. 3
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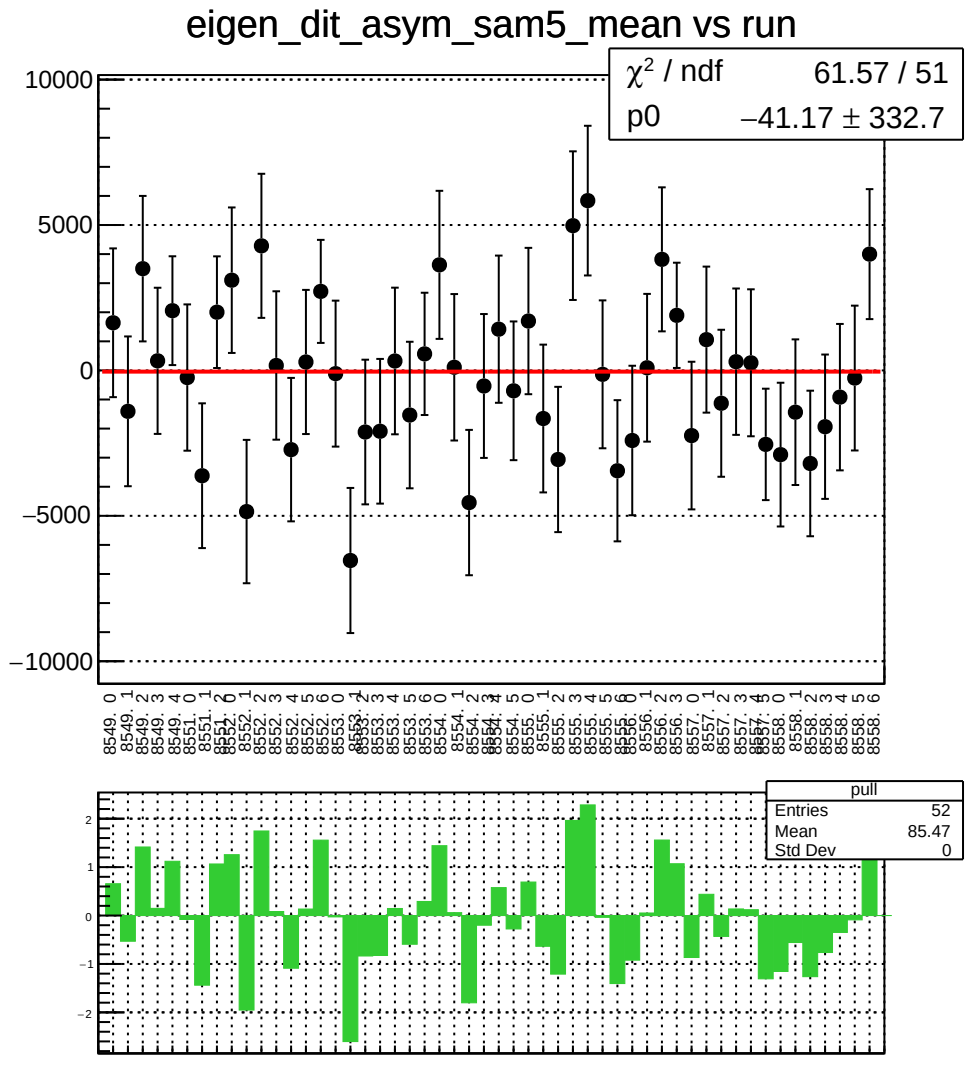
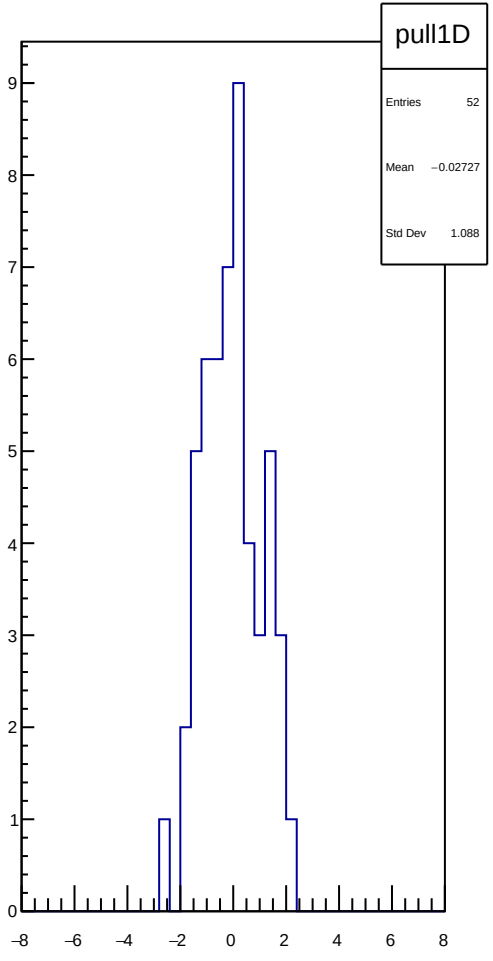
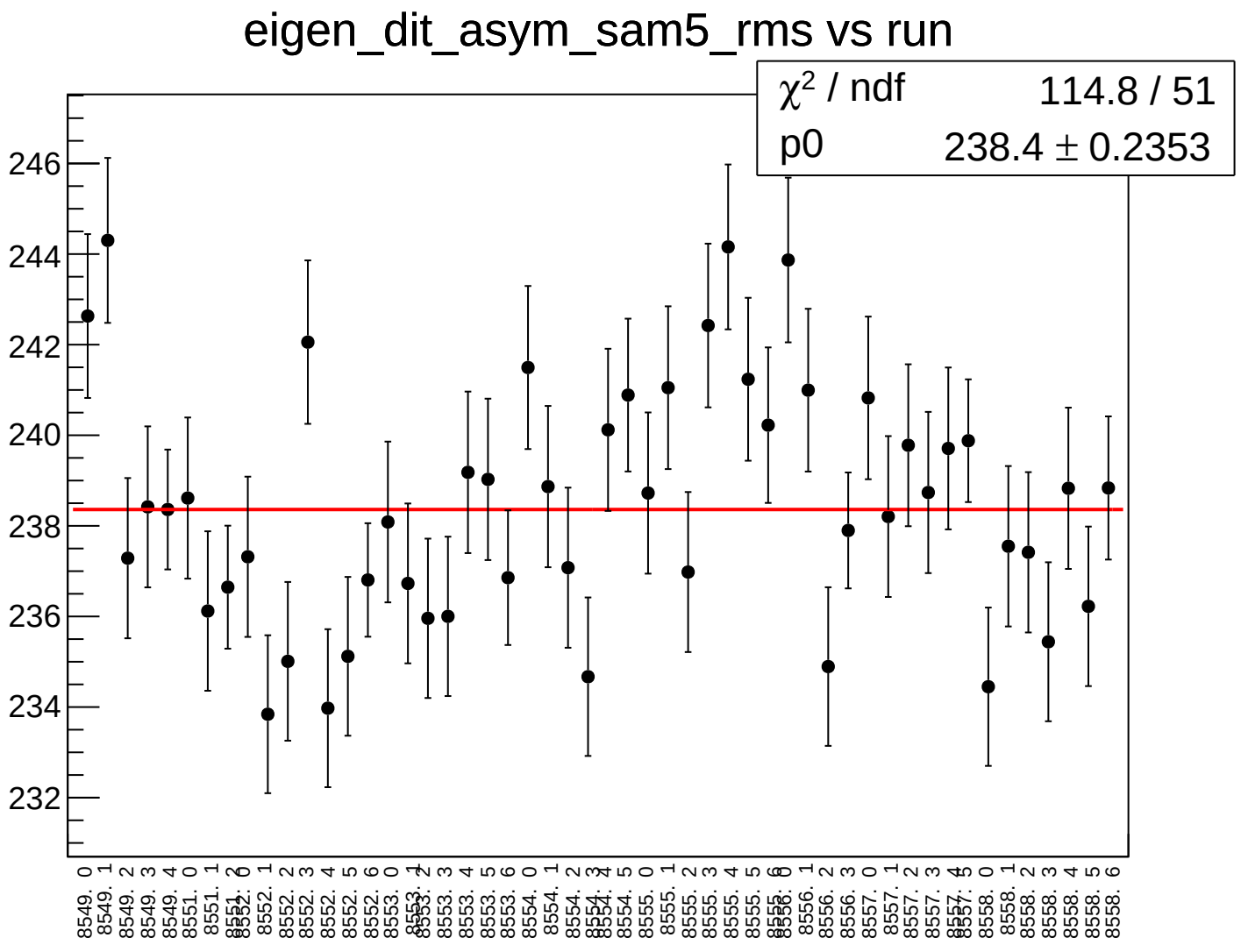
8558. 5
8558. 6


eigen_dit_asym_sam5_mean vs run
χ² / ndf 61.57 / 51
p0 −41.17 ± 332.7
10000
5000
0
−5000
−10000
pull
Entries 52
Mean 85.47
Std Dev 0
2
1
0
−1
−2


pull1D
Entries 52
Mean −0.02727
Std Dev 1.088
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 114.8 / 51
p0 238.4 ± 0.2353
246
244
242
240
238
236
234
232
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 5
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
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8558. 0
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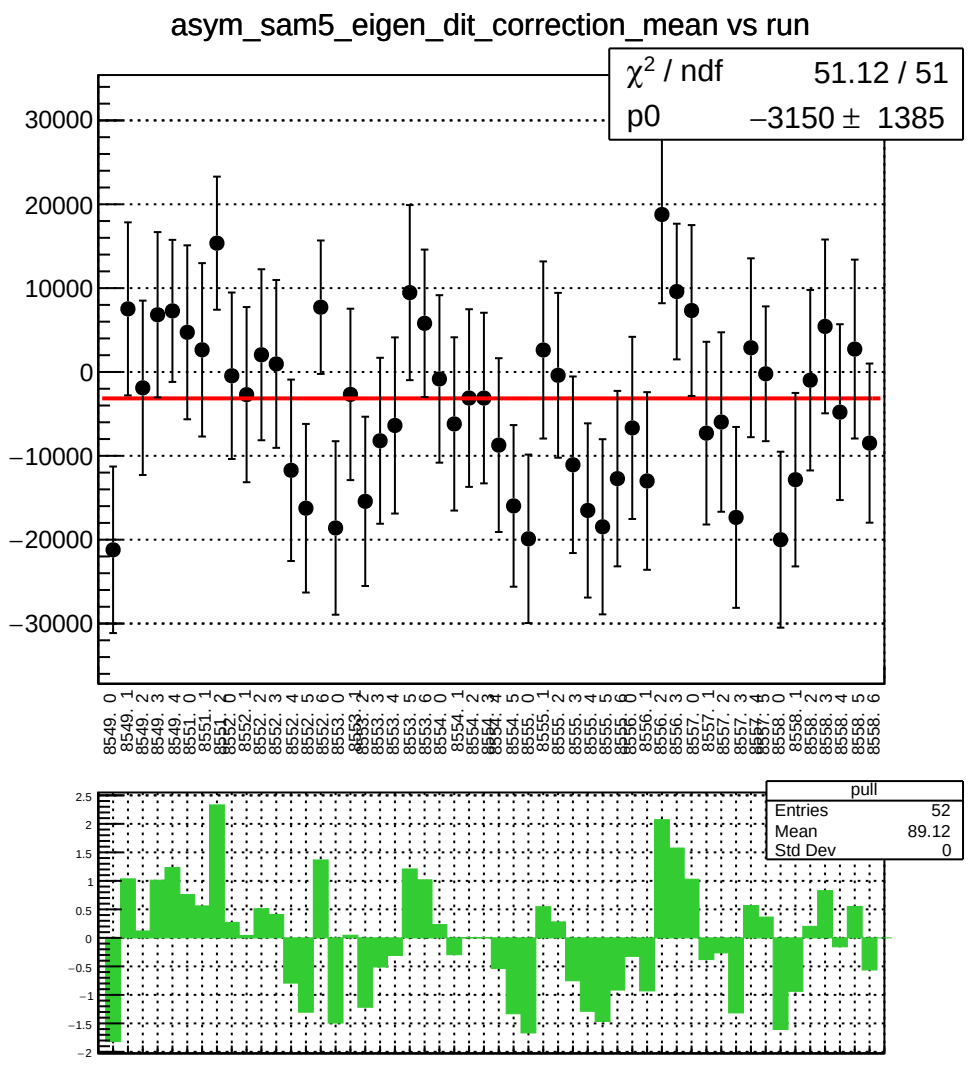
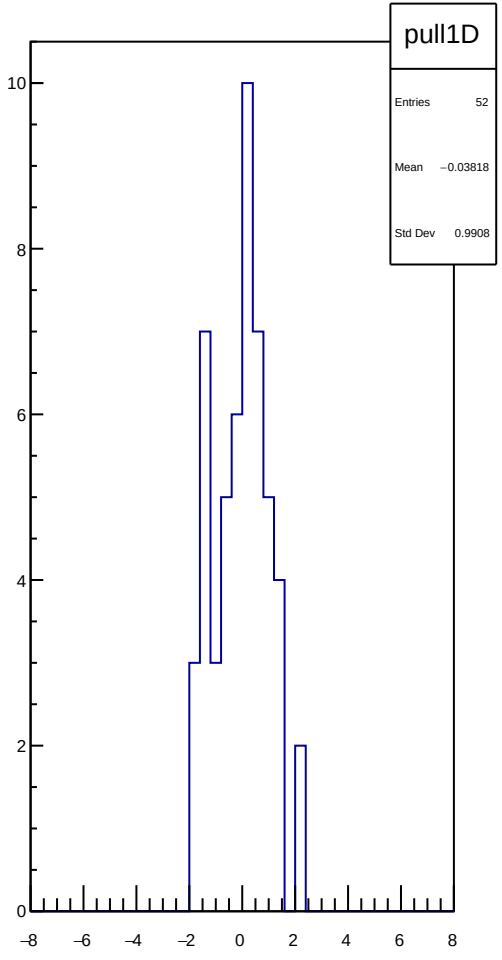
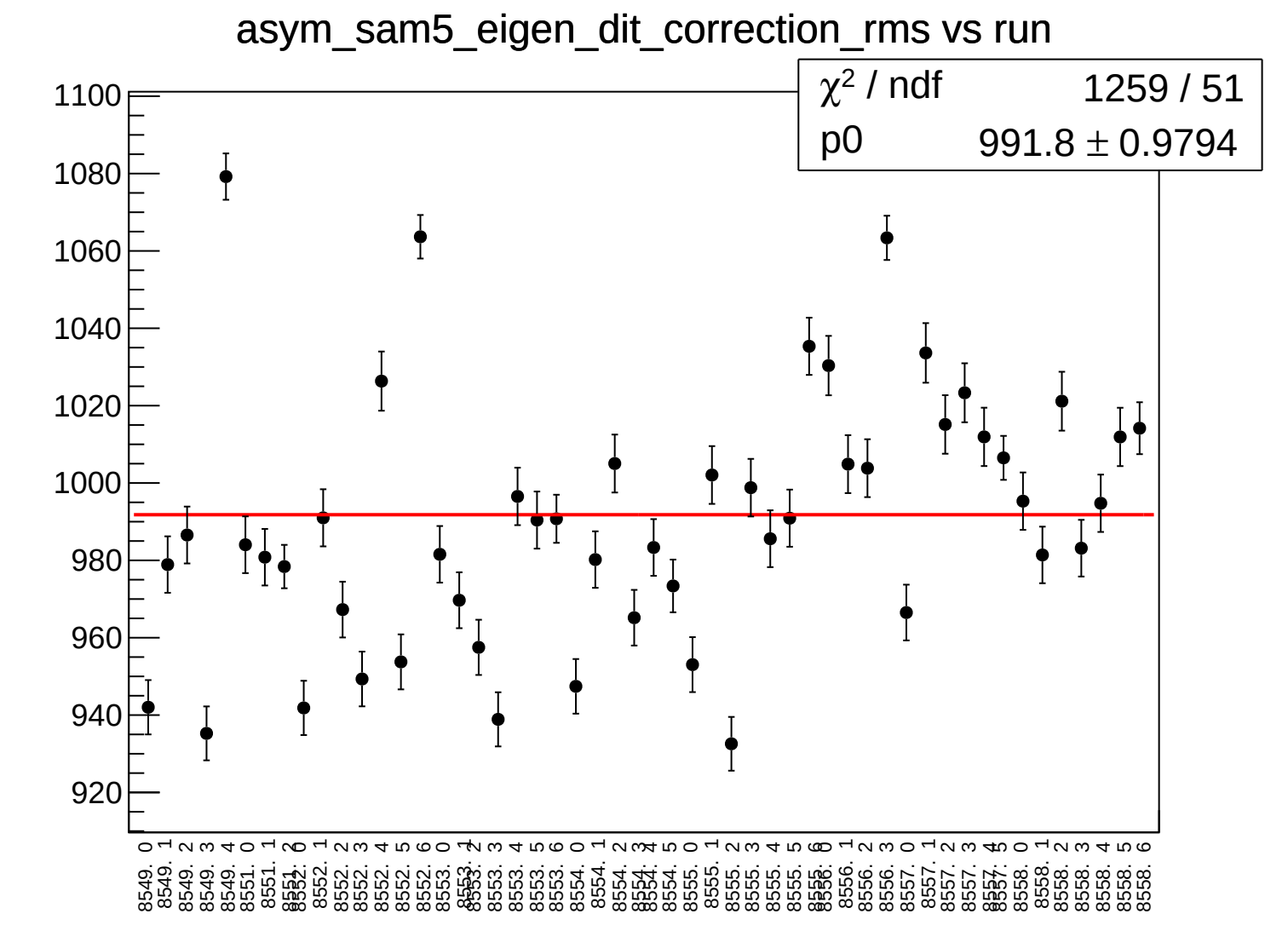
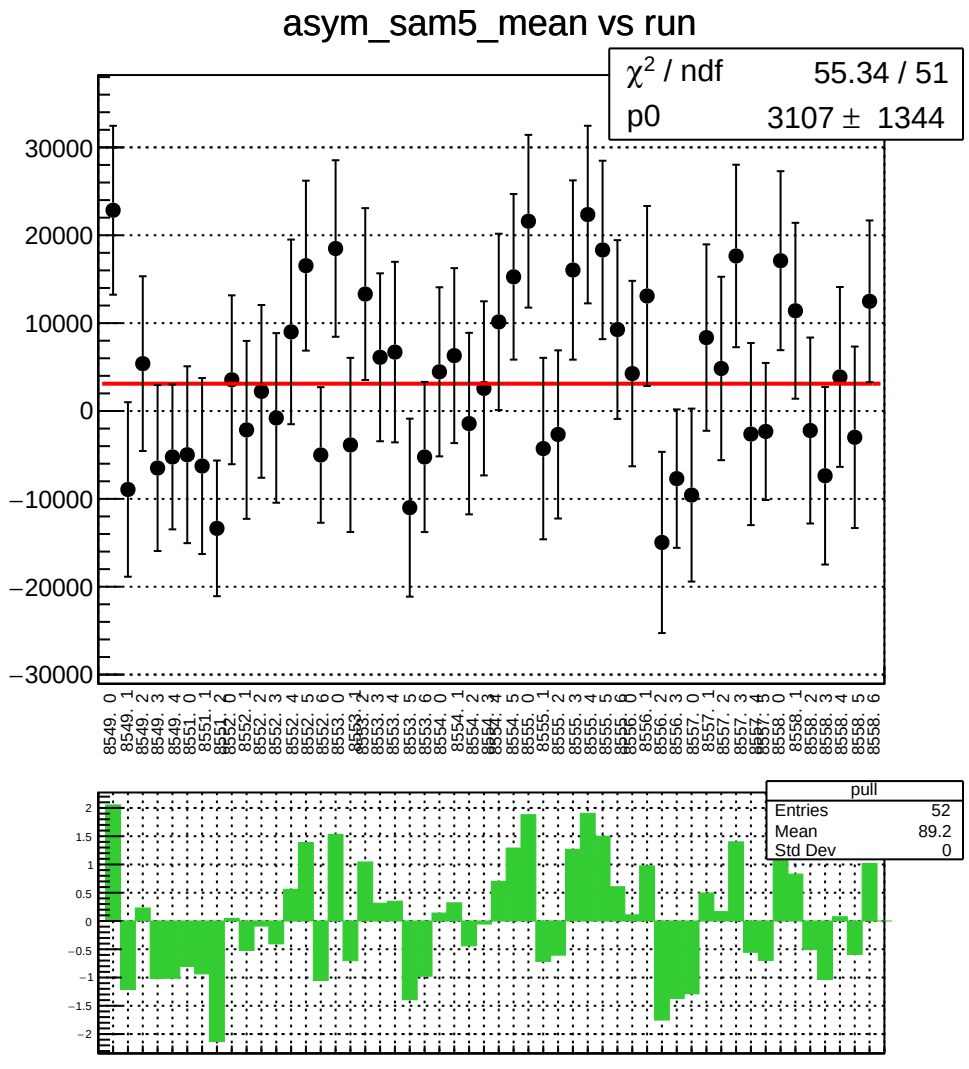
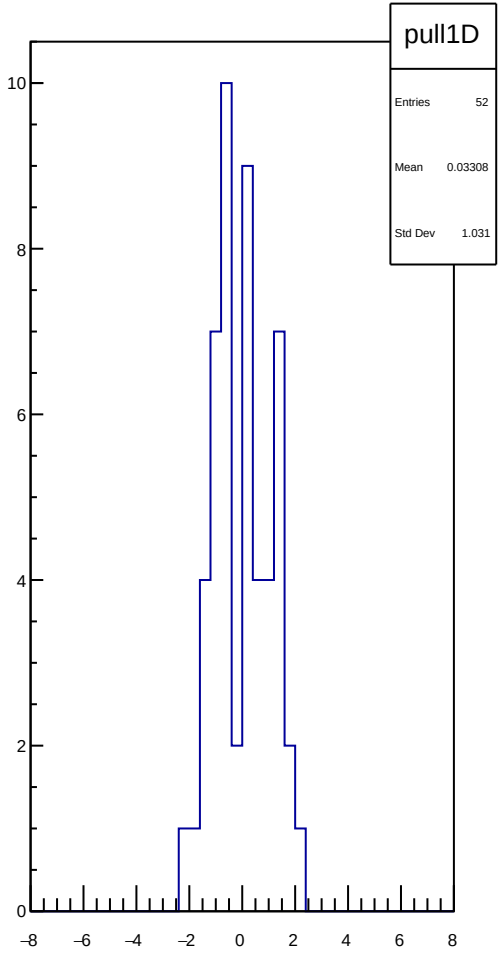
8558. 5
8558. 6

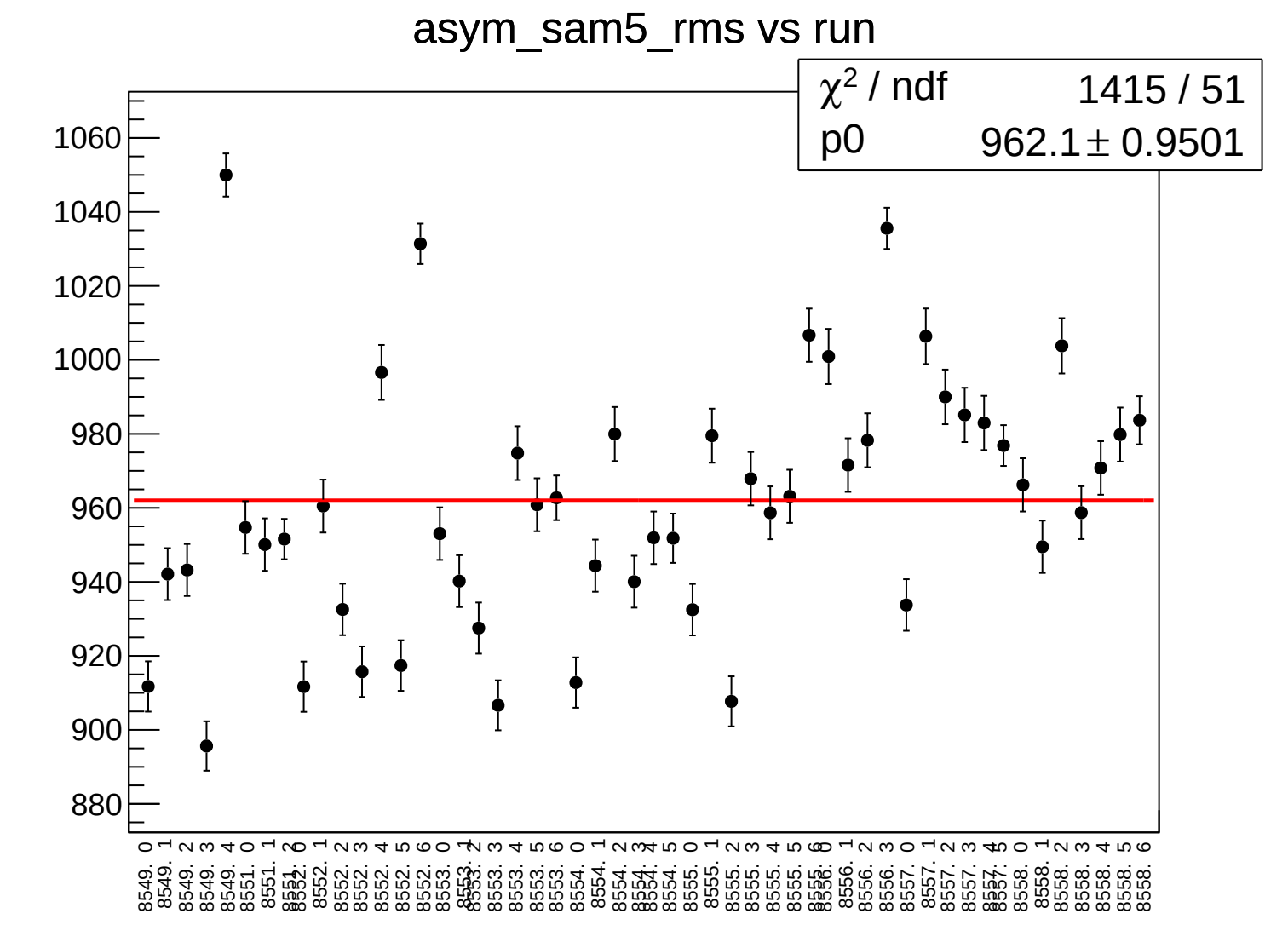

asym_sam5_eigen_dit_correction_mean vs run
χ² / ndf 51.12 / 51
p0 −3150 ± 1385
pull
Entries 52
Mean 89.12
Std Dev 0

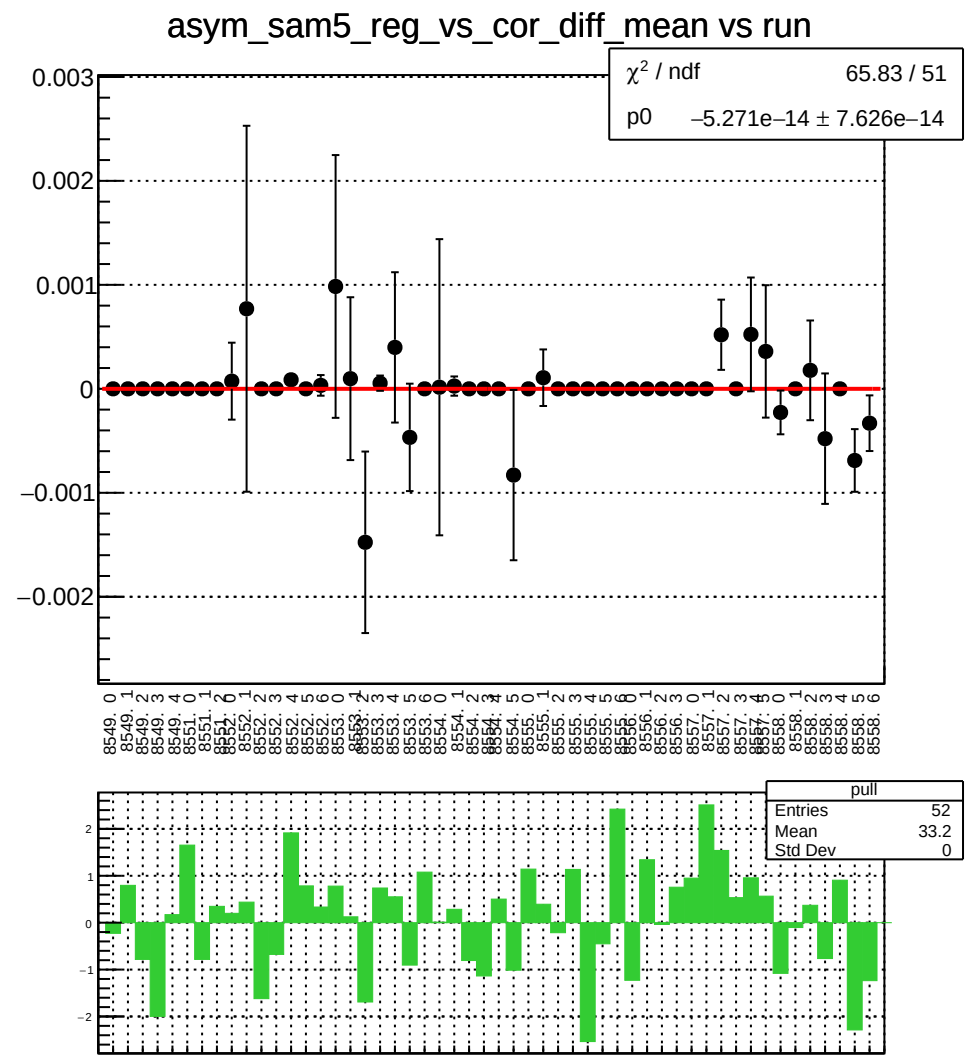

pull1D
Entries 52
Mean −0.03818
Std Dev 0.9908

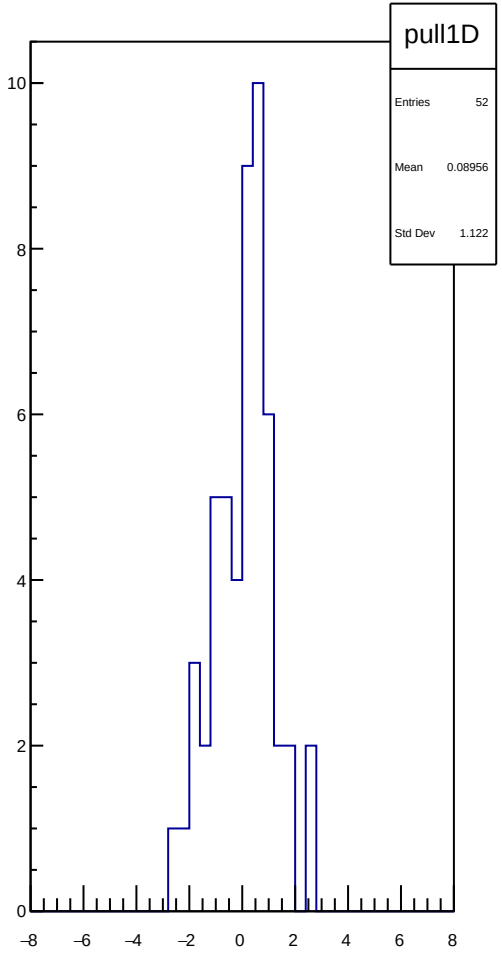

asym_sam5_eigen_dit_correction_rms vs run
χ² / ndf 1259 / 51
p0 991.8 ± 0.9794
1100
1080
1060
1040
1020
1000
980
960
940
920
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 5
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

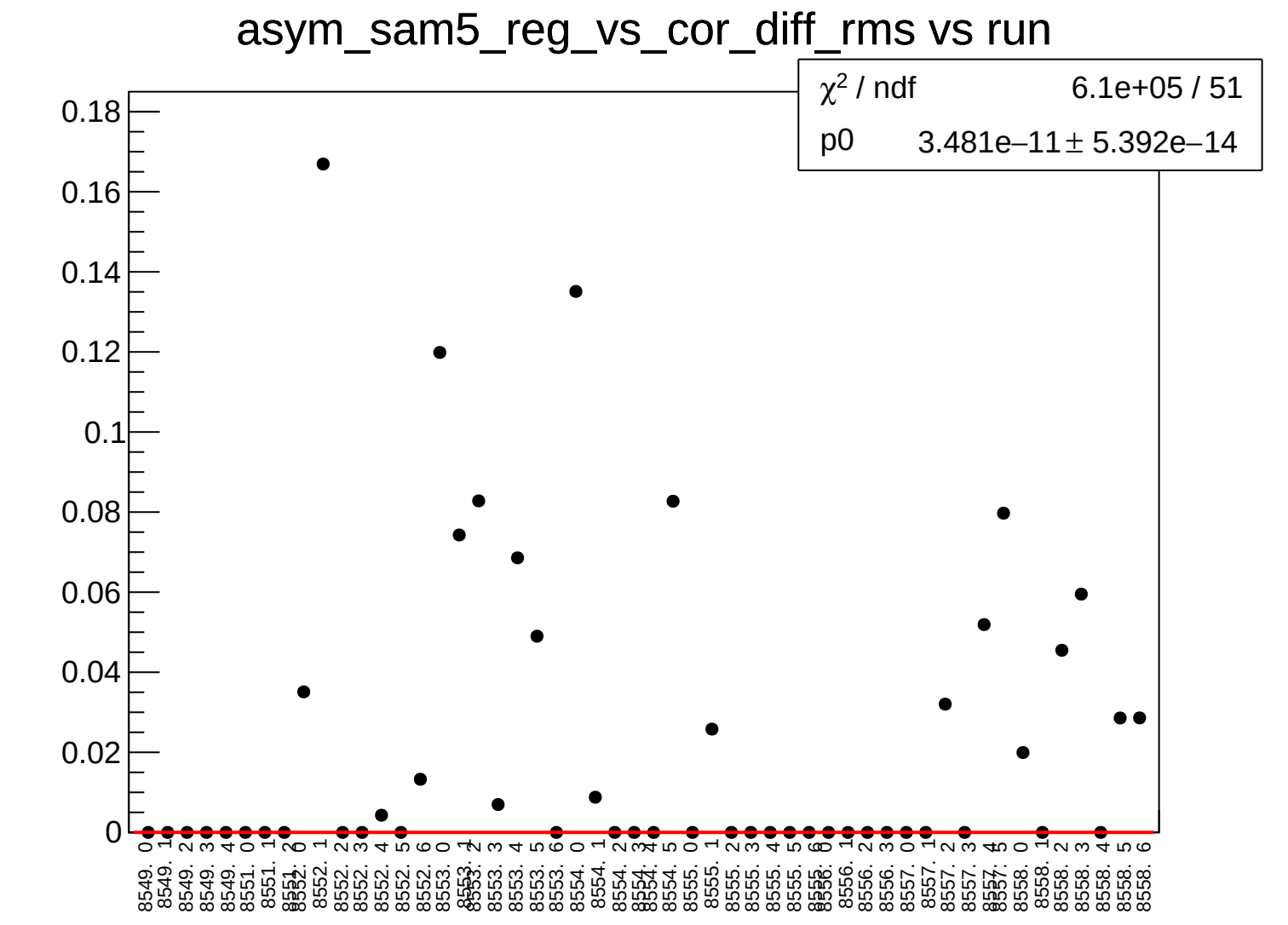

asym_sam5_mean vs run
χ² / ndf 55.34 / 51
p0 3107 ± 1344
30000
20000
10000
0
−10000
−20000
−30000
pull
Entries 52
Mean 89.2
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2


pull1D
Entries 52
Mean 0.03308
Std Dev 1.031
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


asym_sam5_rms vs run
χ² / ndf 1415 / 51
p0 962.1 ± 0.9501
1060
1040
1020
1000
980
960
940
920
900
880
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6


asym_sam5_reg_vs_cor_diff_mean vs run
χ² / ndf 65.83 / 51
p0 −5.271e−14 ± 7.626e−14
0.003
0.002
0.001
0
−0.001
−0.002
pull
Entries 52
Mean 33.2
Std Dev 0


pull1D
Entries 52
Mean 0.08956
Std Dev 1.122


asym_sam5_reg_vs_cor_diff_rms vs run
χ² / ndf 6.1e+05 / 51
p0 3.481e−11 ± 5.392e−14
0.18
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02
0
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 0
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
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8555. 2
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8555. 5
8555. 6
8556. 0
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
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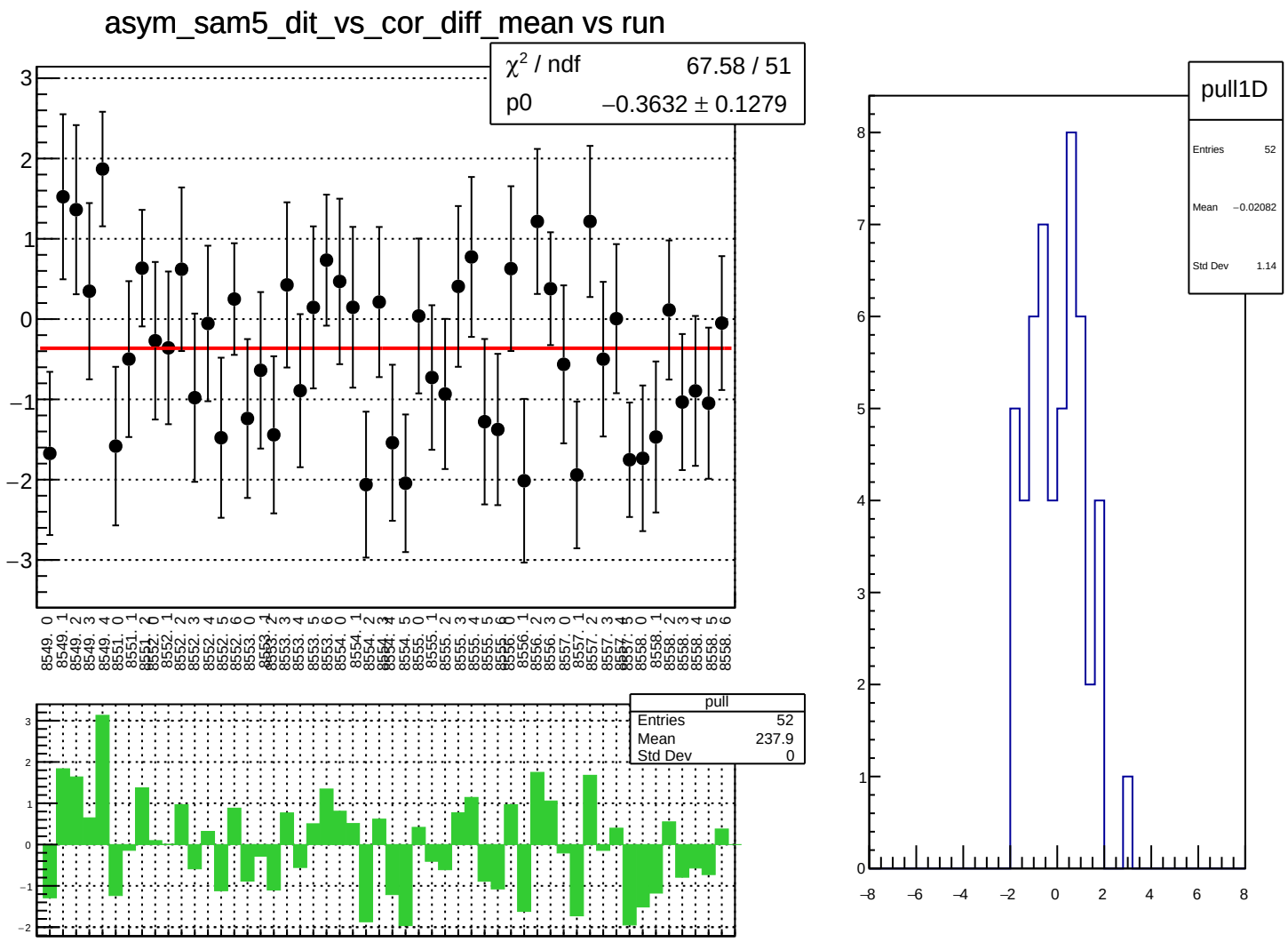
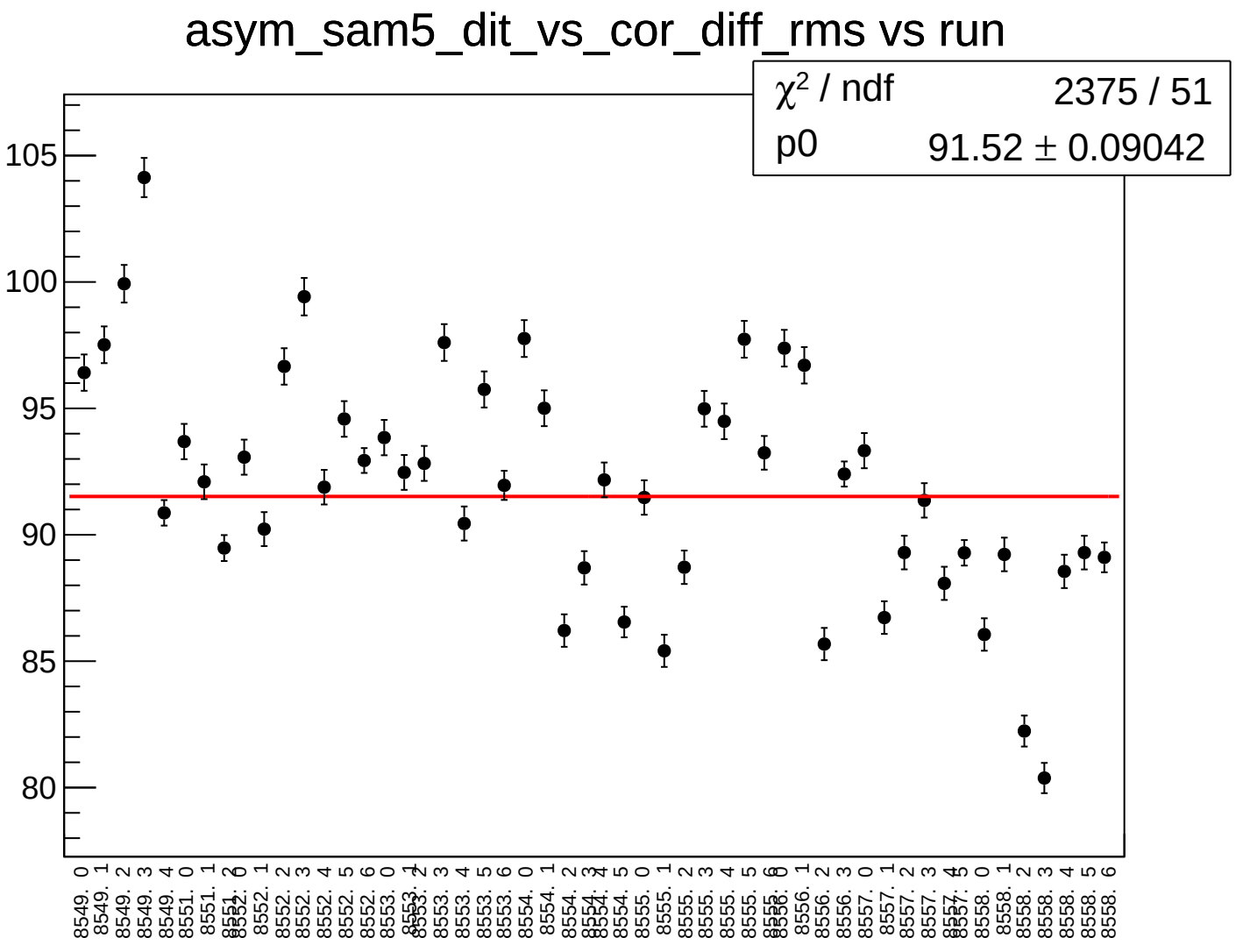
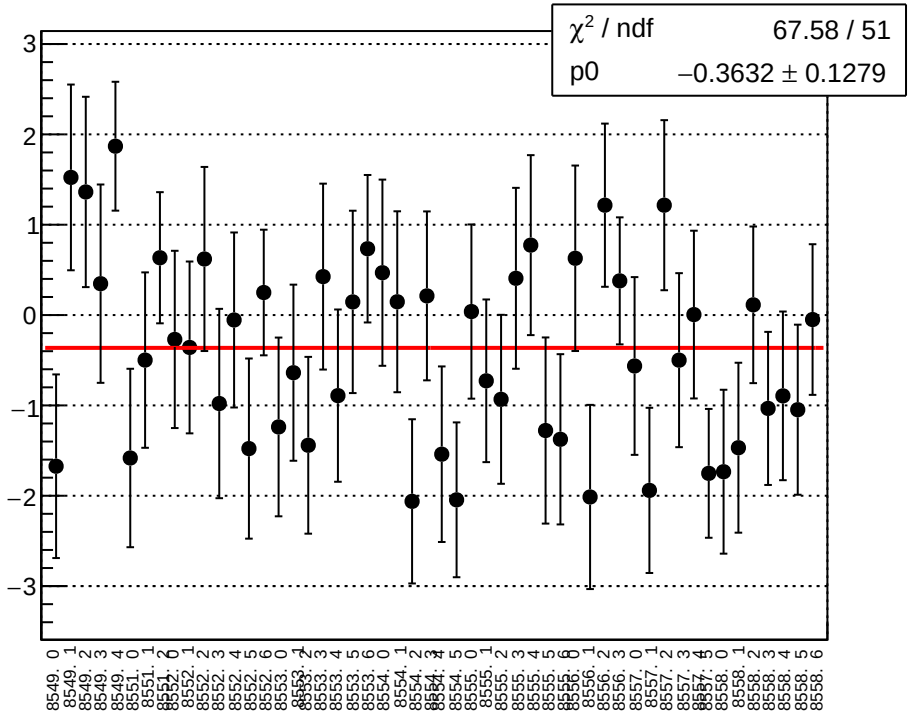
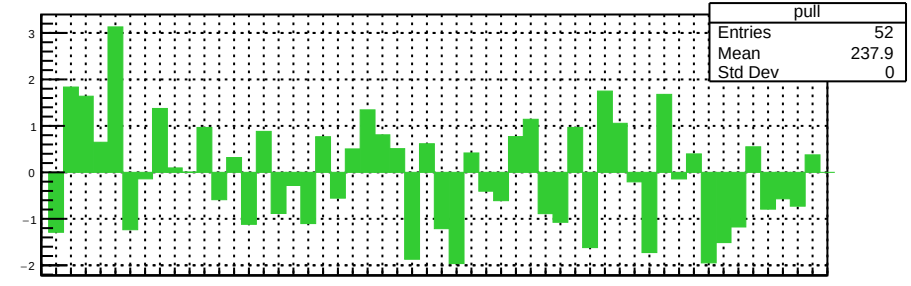
8557. 5
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

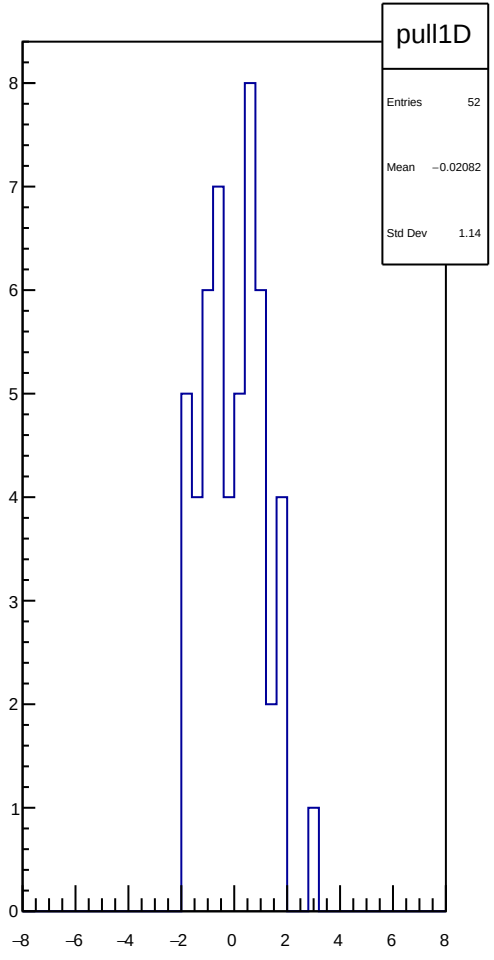

asym_sam5_dit_vs_cor_diff_mean vs run
χ² / ndf 67.58 / 51
p0 −0.3632 ± 0.1279
pull
Entries 52
Mean 237.9
Std Dev 0
pull1D
Entries 52
Mean −0.02082
Std Dev 1.14

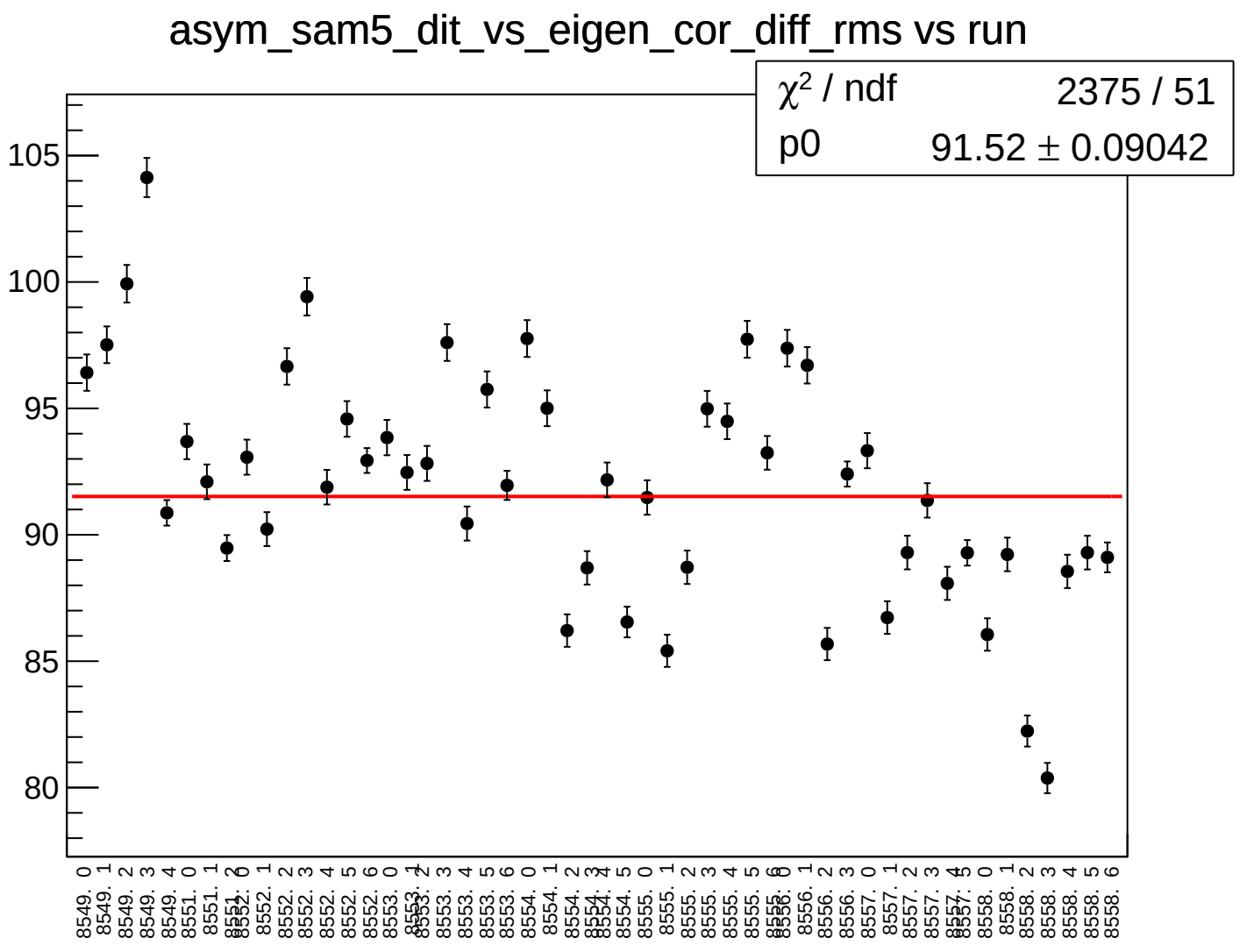

asym_sam5_dit_vs_cor_diff_rms vs run
χ² / ndf 2375 / 51
p0 91.52 ± 0.09042
105
100
95
90
85
80
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

asym_sam5_dit_vs_eigen_cor_diff_mean vs run








asym_sam5_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 2375 / 51
p0 91.52 ± 0.09042
105
100
95
90
85
80
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
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8555. 3
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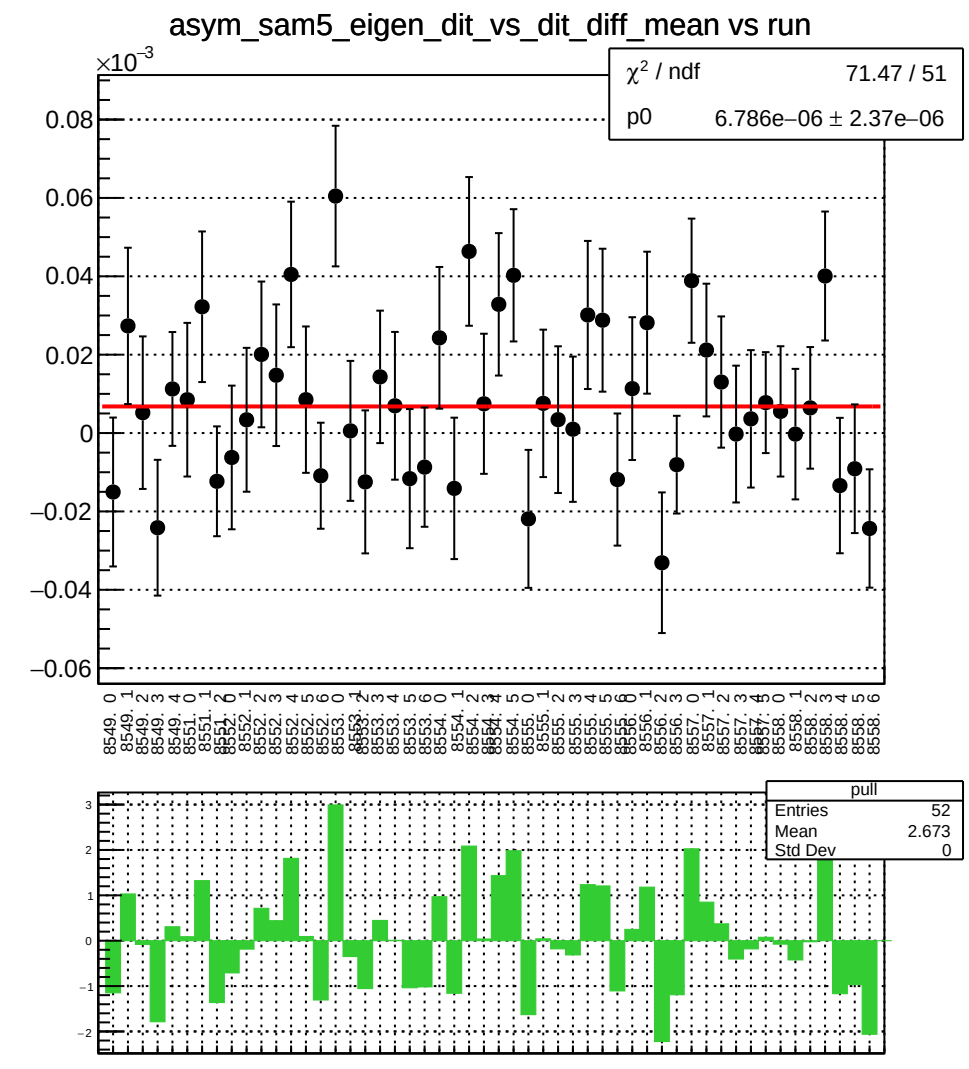
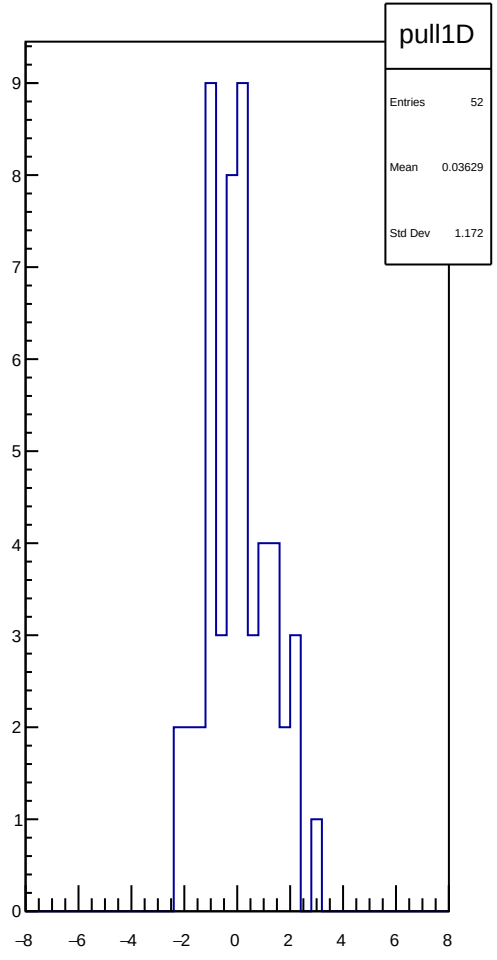
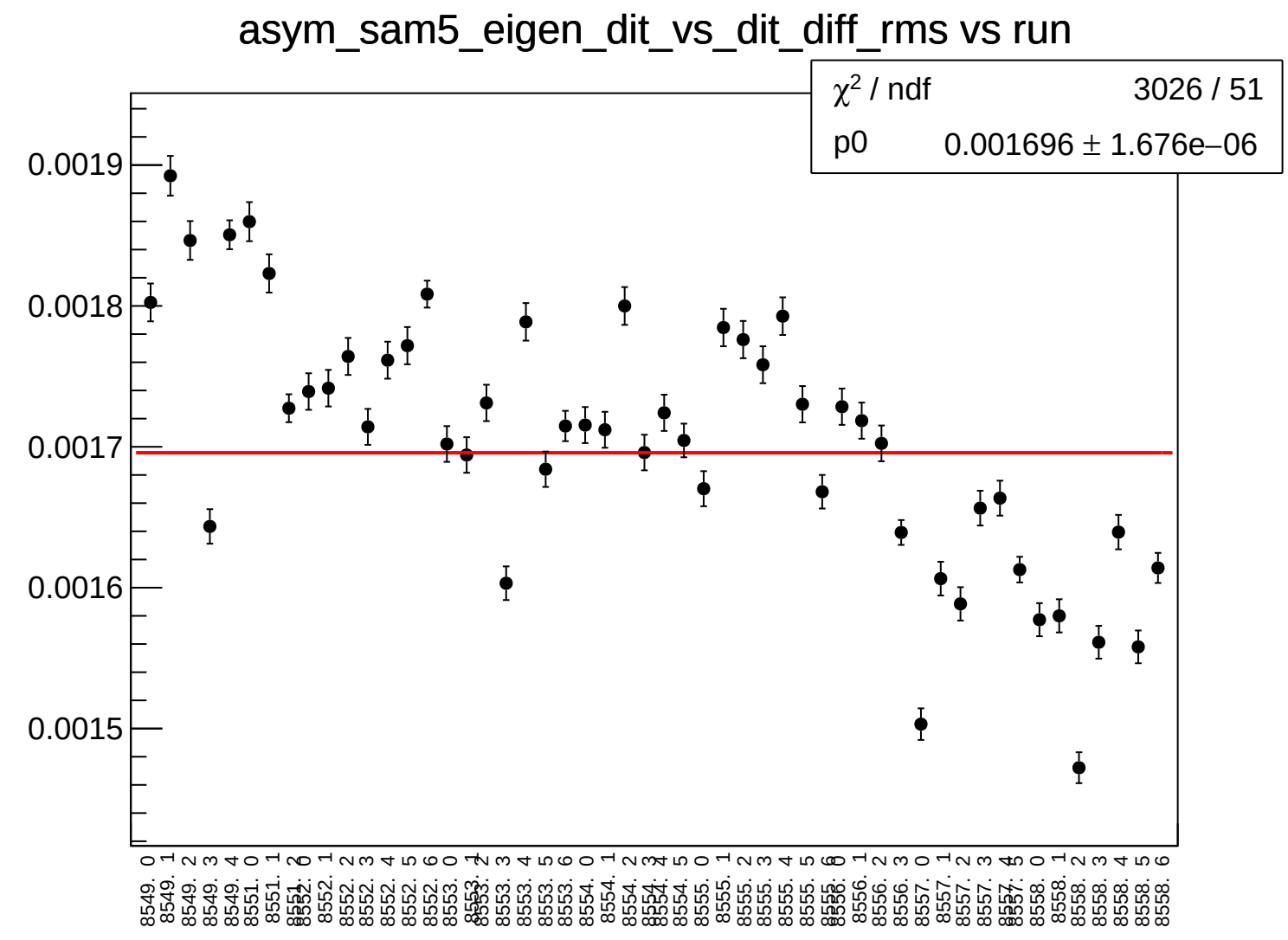
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6


asym_sam5_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 71.47 / 51
p0 6.786e−06 ± 2.37e−06
pull
Entries 52
Mean 2.673
Std Dev 0


pull1D
Entries 52
Mean 0.03629
Std Dev 1.172


asym_sam5_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 3026 / 51
p0 0.001696 ± 1.676e−06
0.0019
0.0018
0.0017
0.0016
0.0015
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
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8557. 3
8558. 0
8558. 1
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8558. 3
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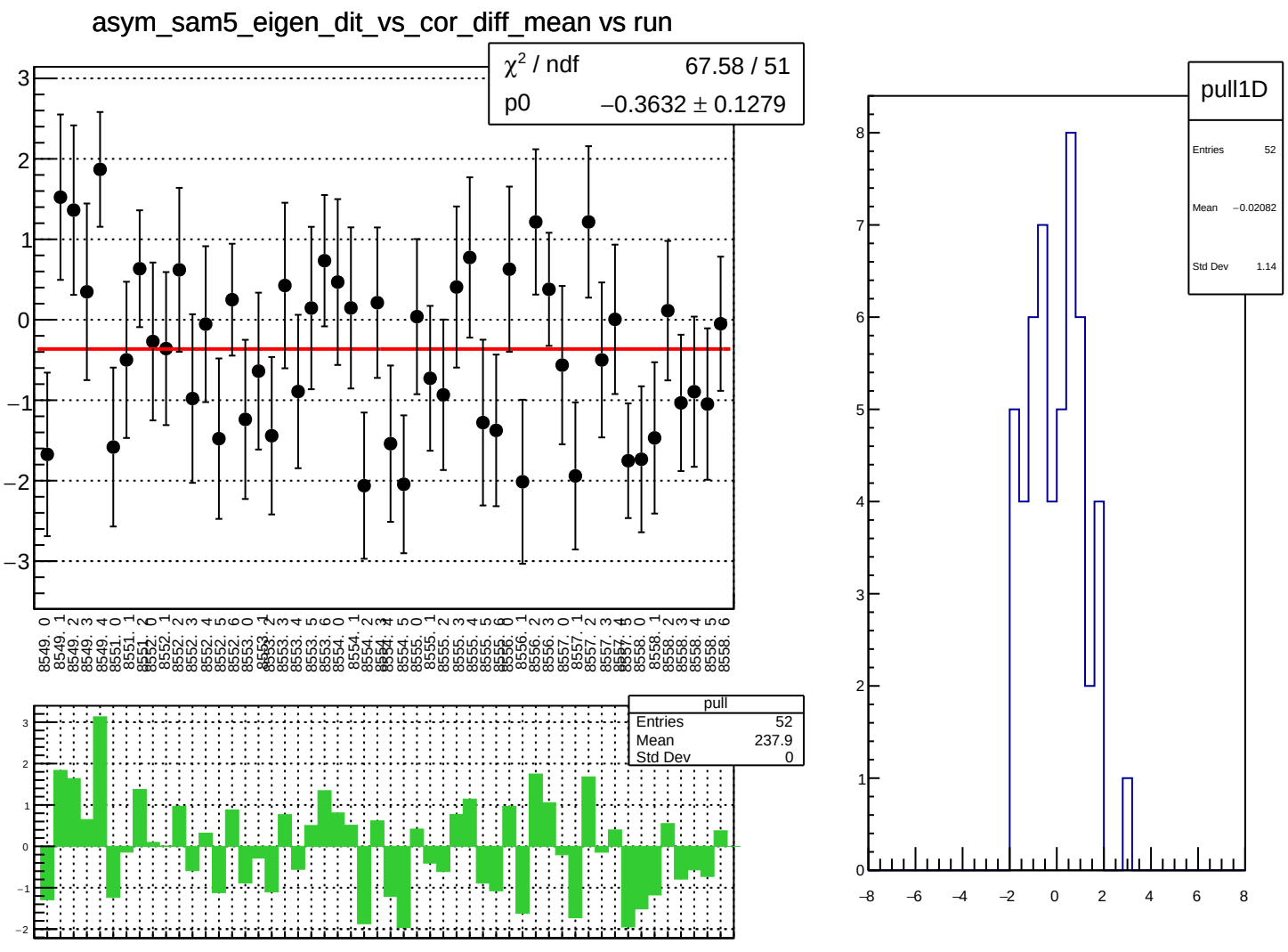
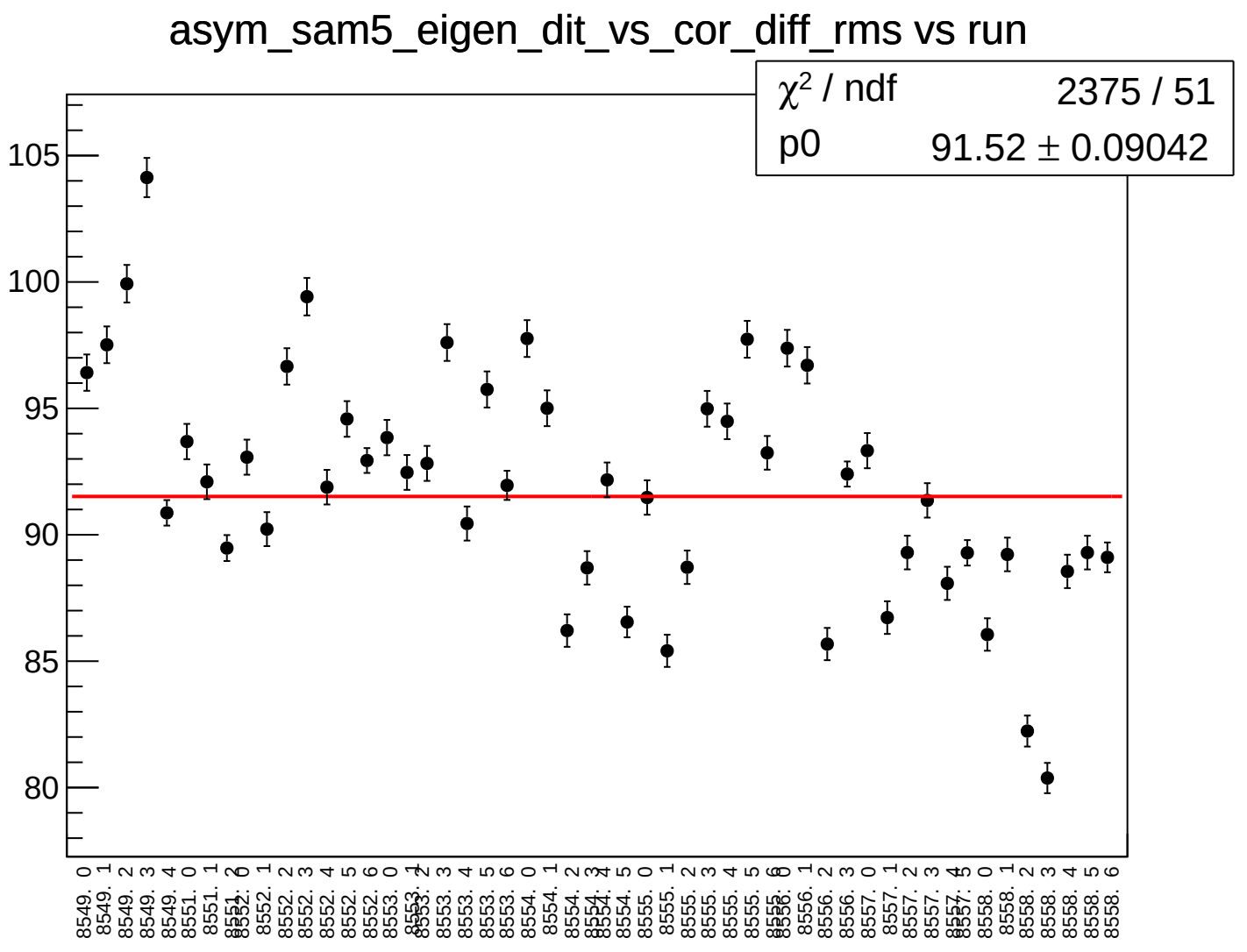
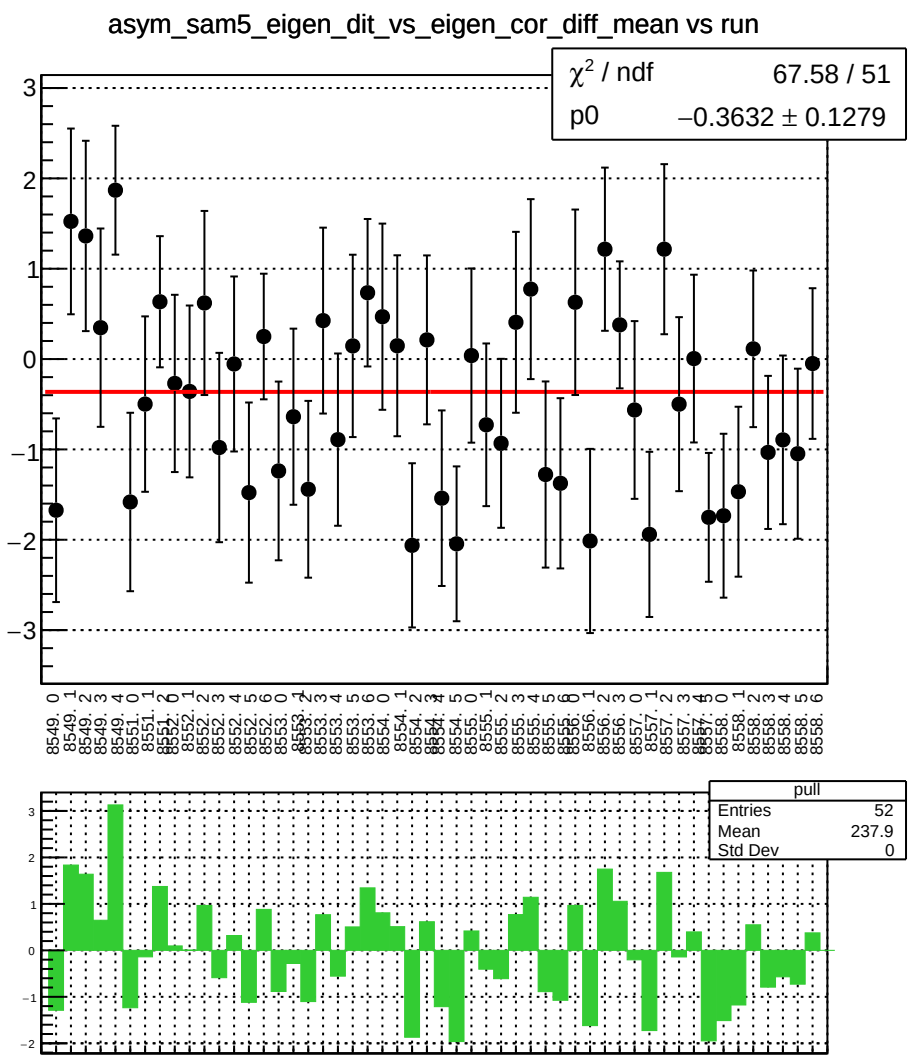
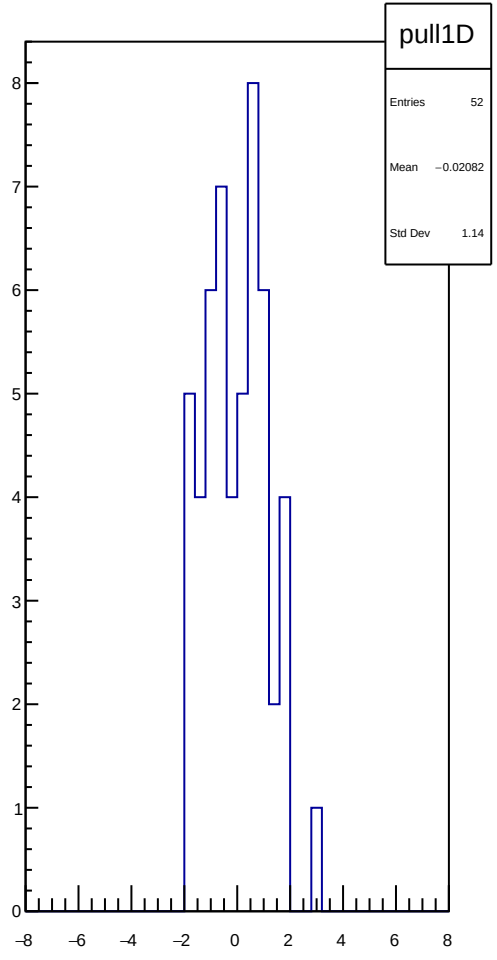
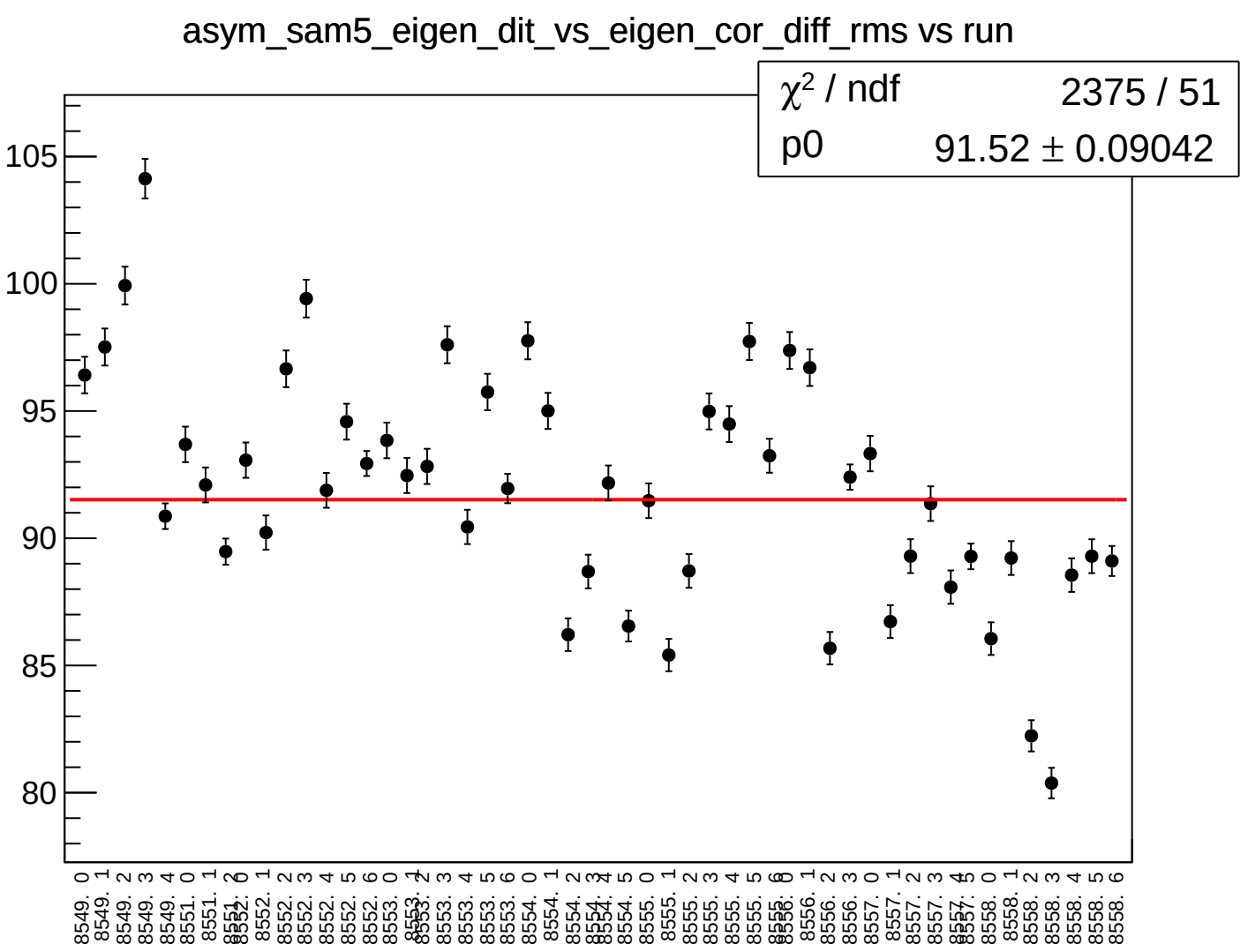
8558. 5
8558. 6

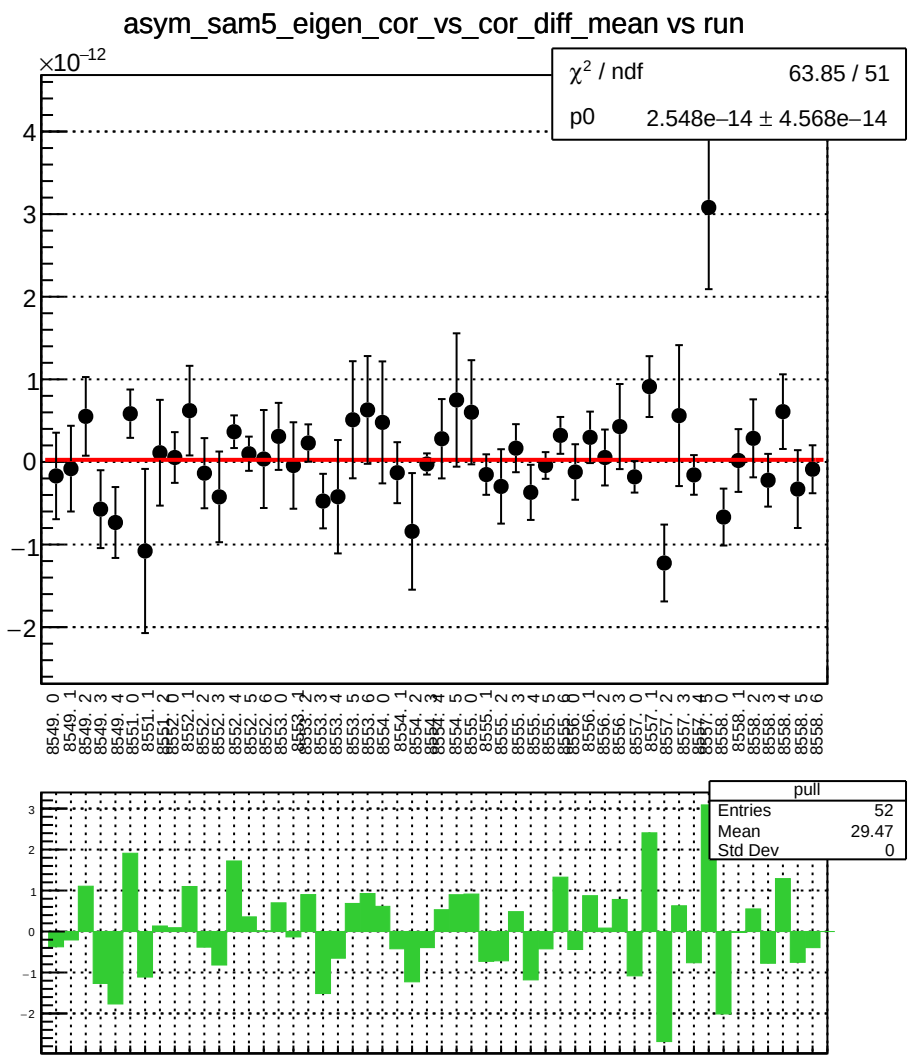

asym_sam5_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 67.58 / 51
p0 −0.3632 ± 0.1279
pull
Entries 52
Mean 237.9
Std Dev 0
pull1D
Entries 52
Mean −0.02082
Std Dev 1.14

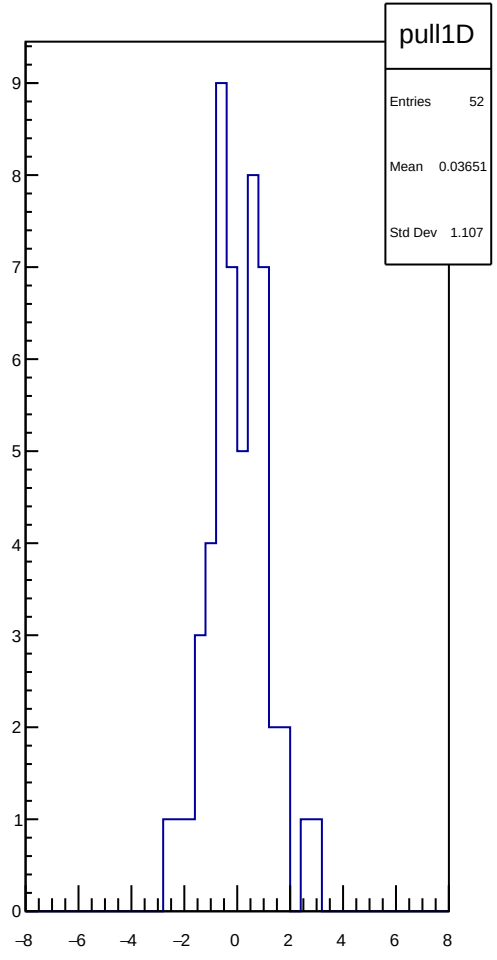

asym_sam5_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 2375 / 51
p0 91.52 ± 0.09042
105
100
95
90
85
80
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 5
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

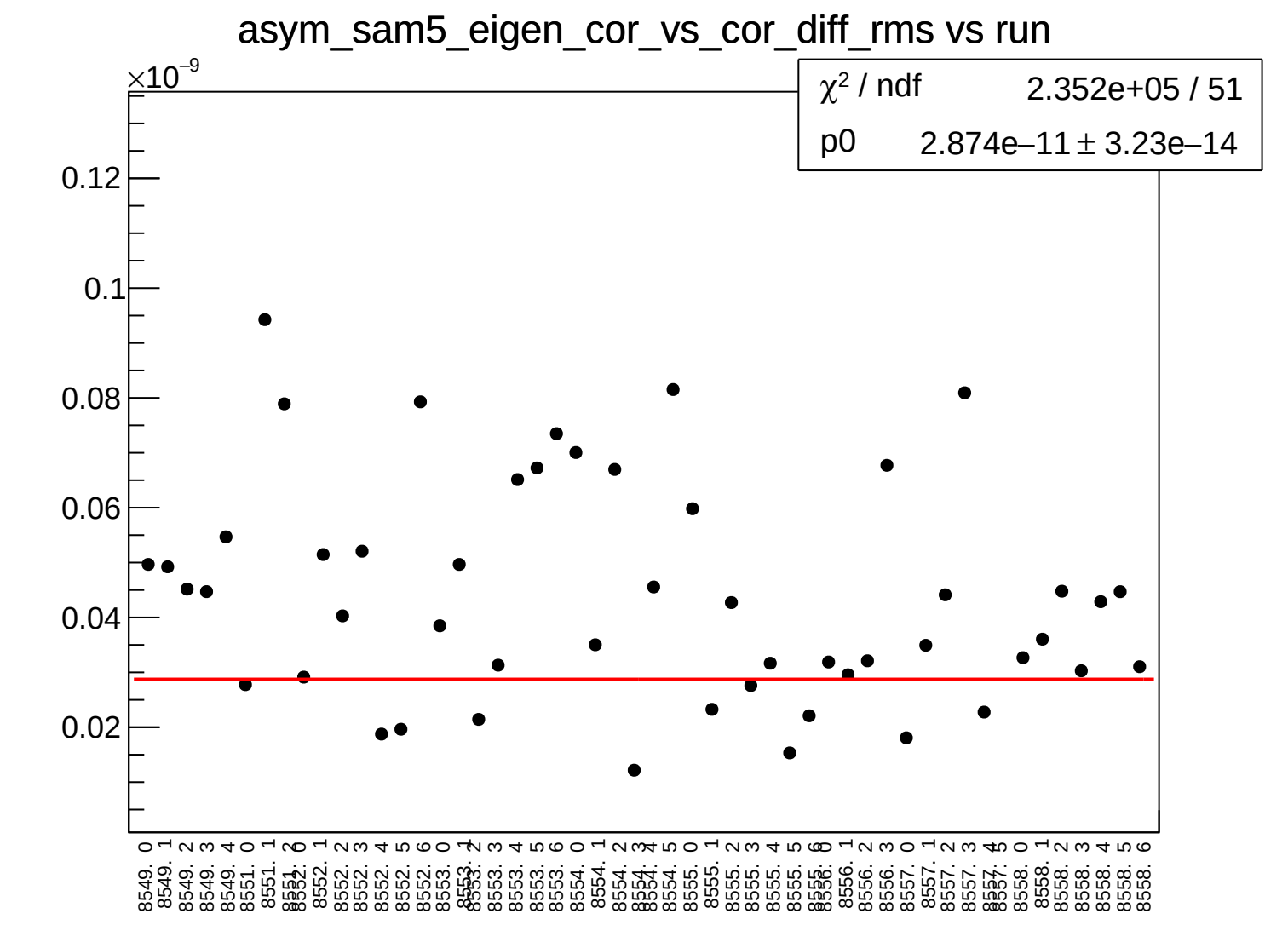

asym_sam5_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 67.58 / 51
p0 −0.3632 ± 0.1279
pull
Entries 52
Mean 237.9
Std Dev 0

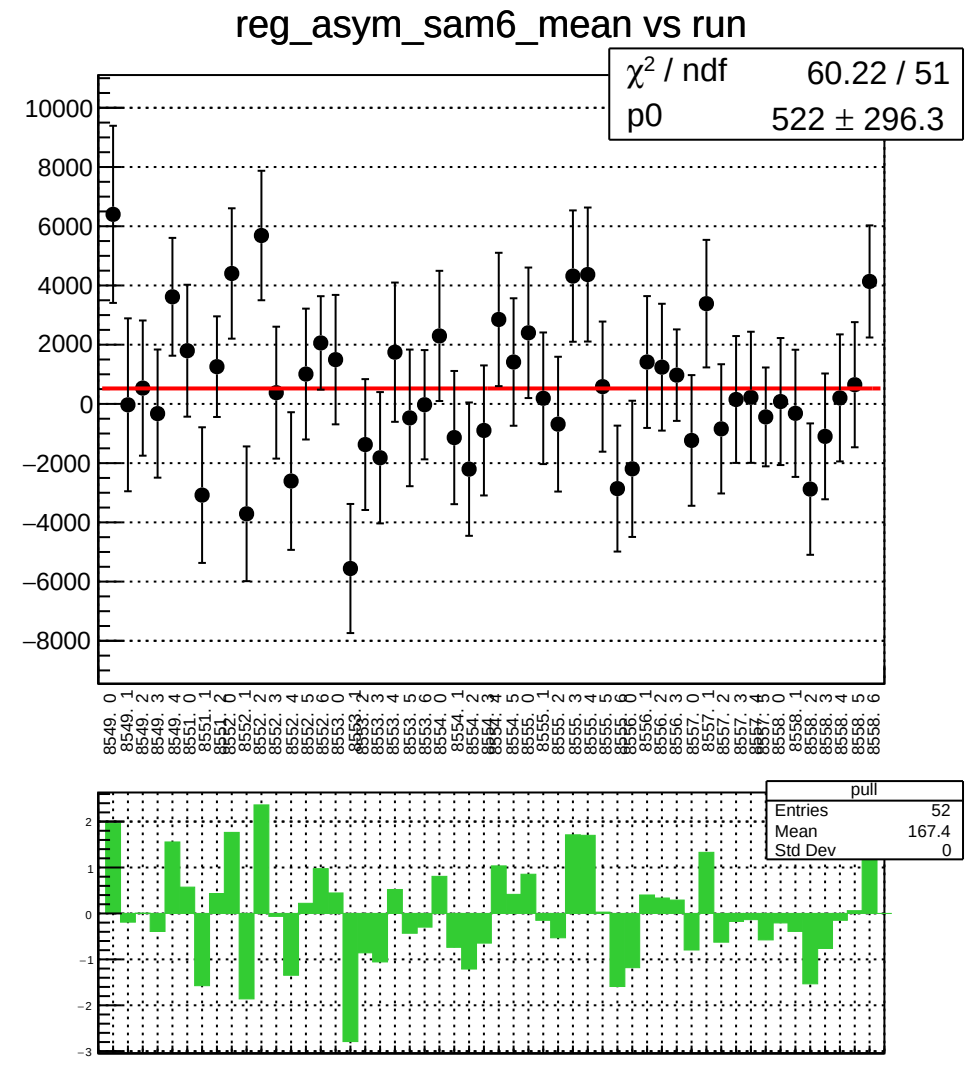

pull1D
Entries 52
Mean −0.02082
Std Dev 1.14

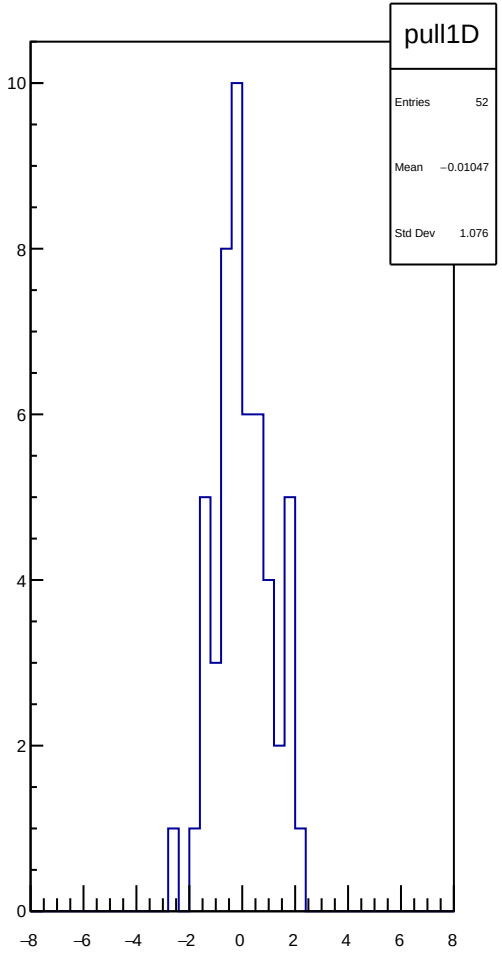

asym_sam5_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 2375 / 51
p0 91.52 ± 0.09042
105
100
95
90
85
80
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

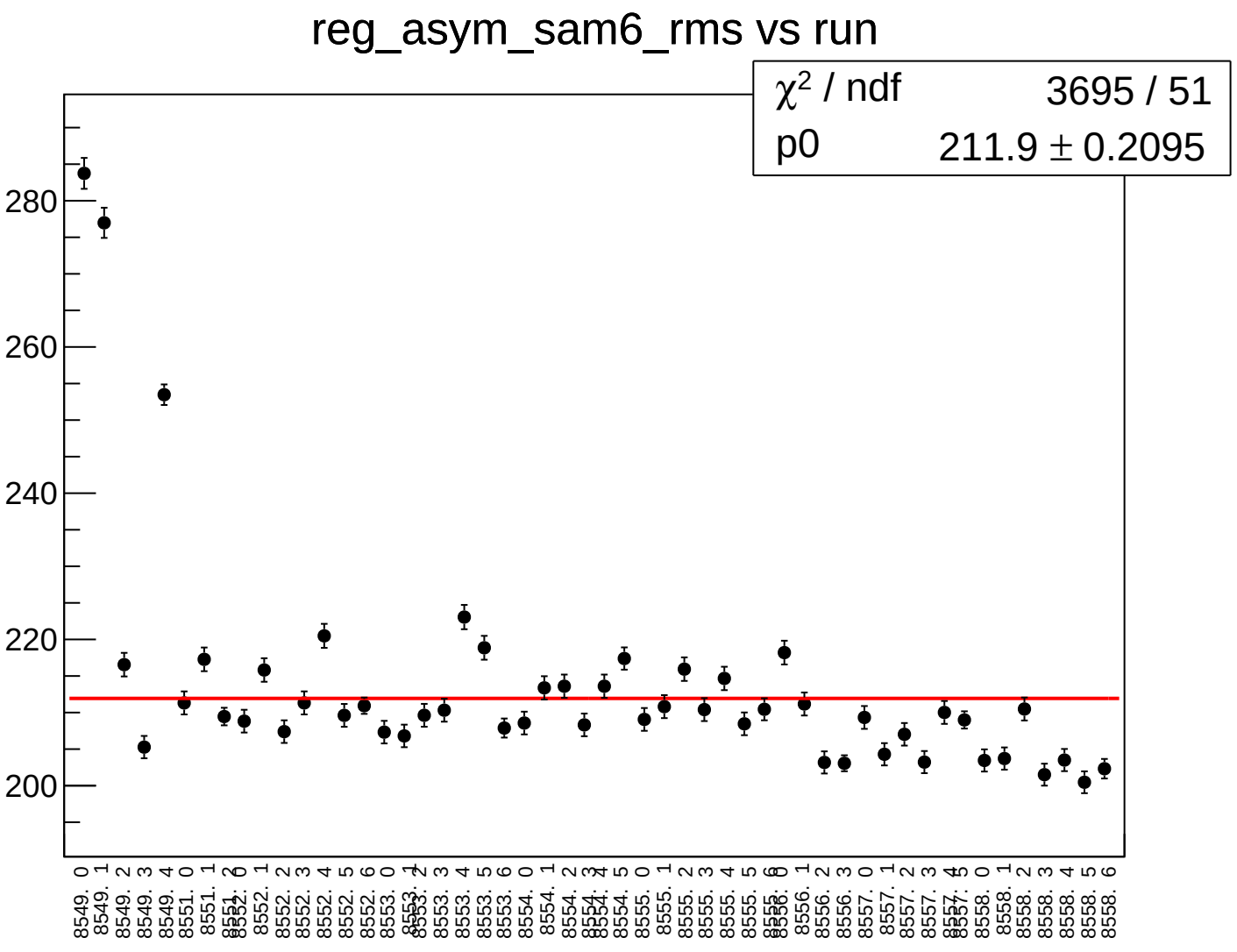

asym_sam5_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 63.85 / 51
p0 2.548e−14 ± 4.568e−14
pull
Entries 52
Mean 29.47
Std Dev 0

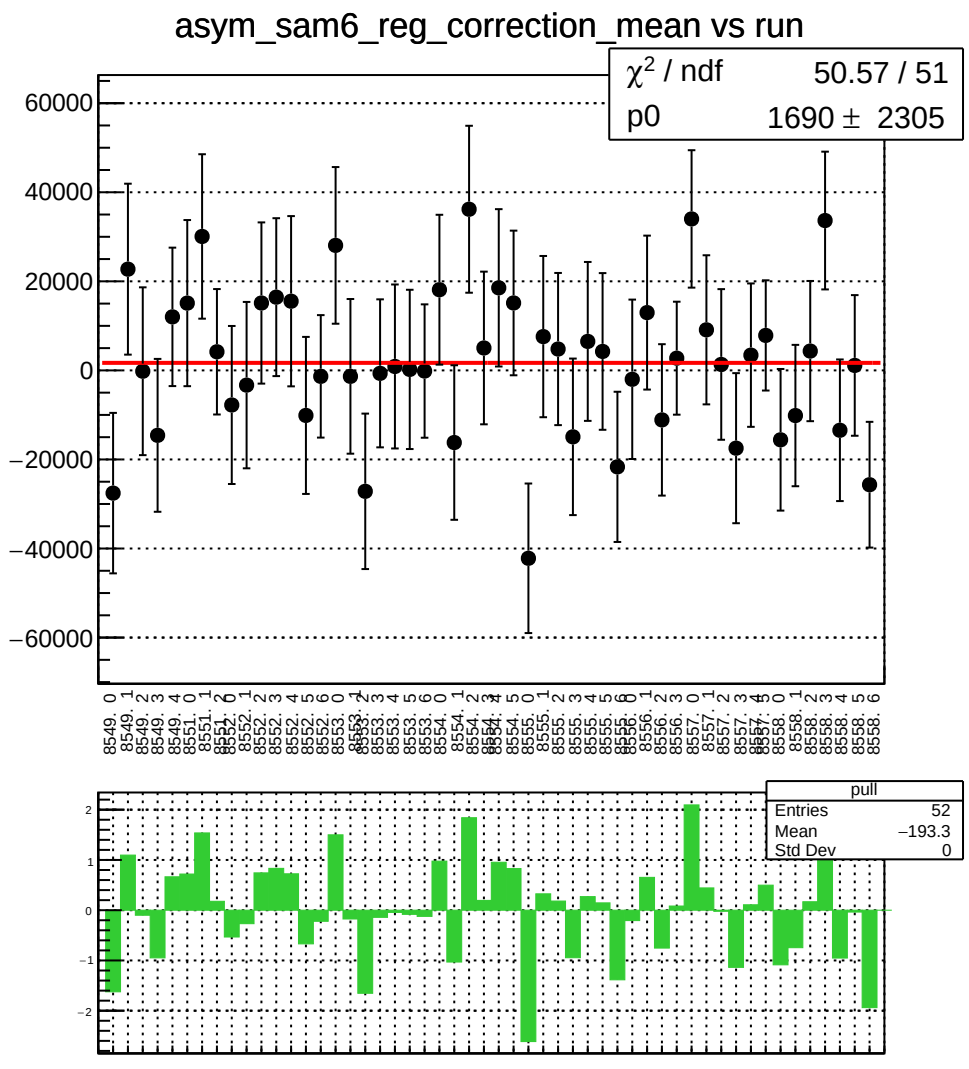

pull1D
Entries 52
Mean 0.03651
Std Dev 1.107

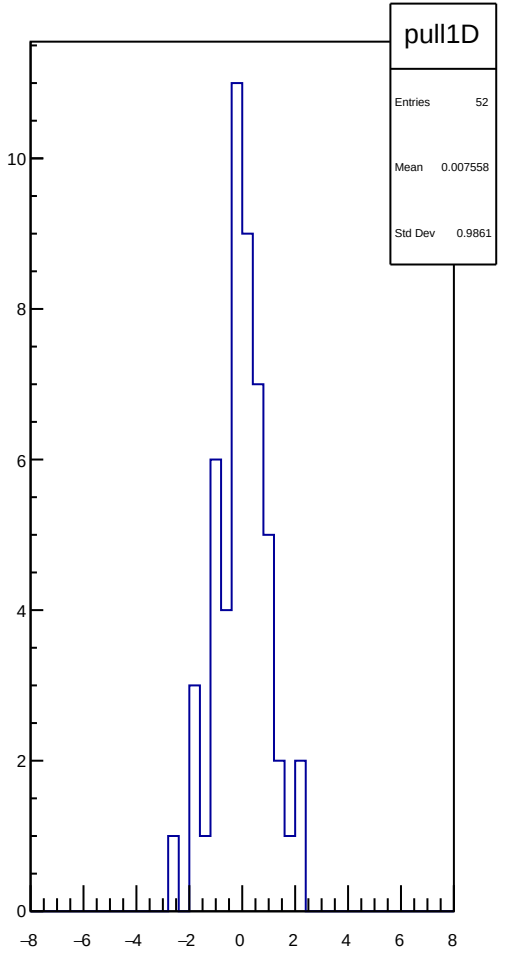

asym_sam5_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 2.352e+05 / 51
p0 2.874e−11 ± 3.23e−14
0.12
0.1
0.08
0.06
0.04
0.02
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 5
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

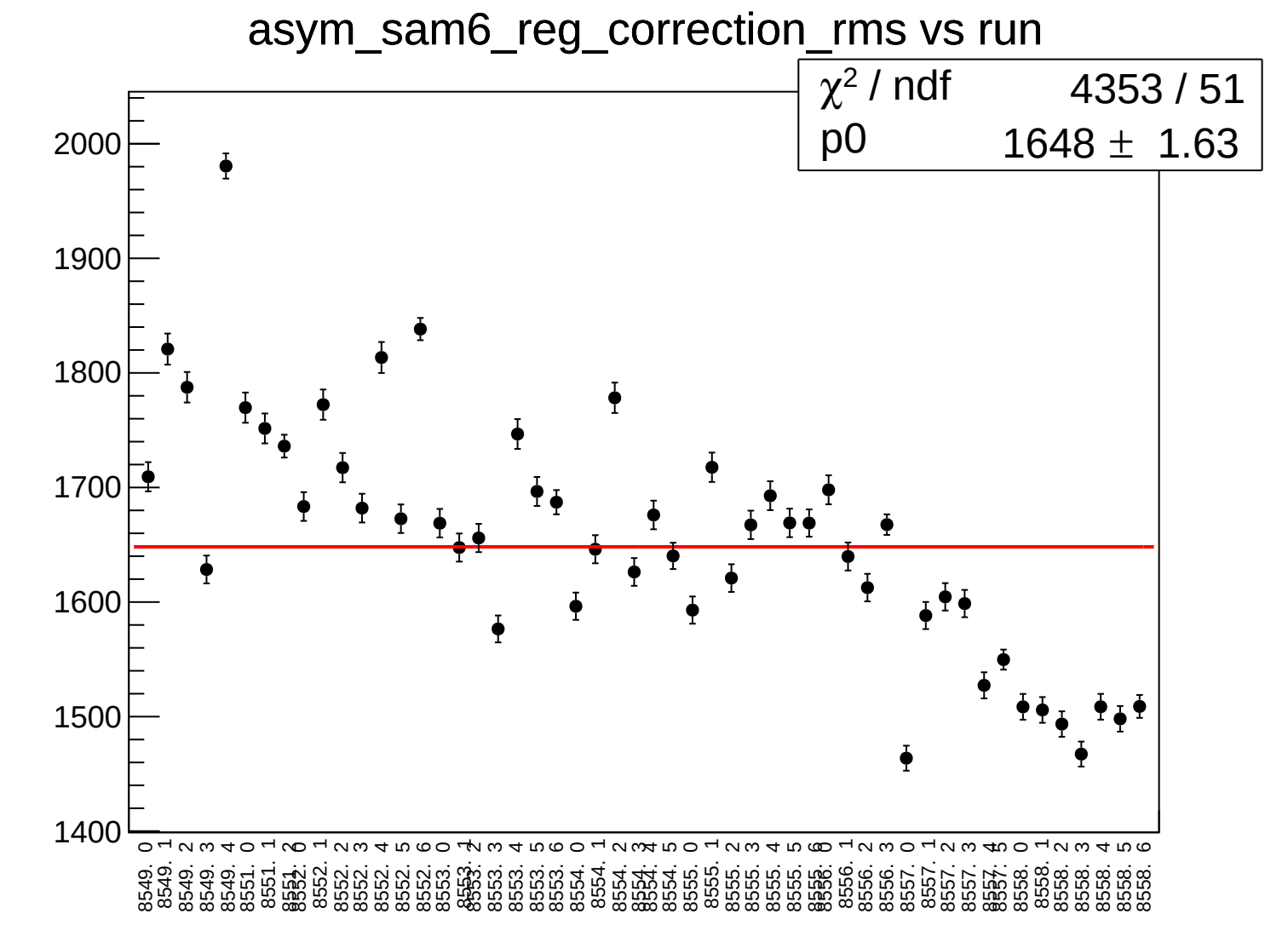

reg_asym_sam6_mean vs run
χ^2 / ndf 60.22 / 51
p0 522 ± 296.3
pull
Entries 52
Mean 167.4
Std Dev 0

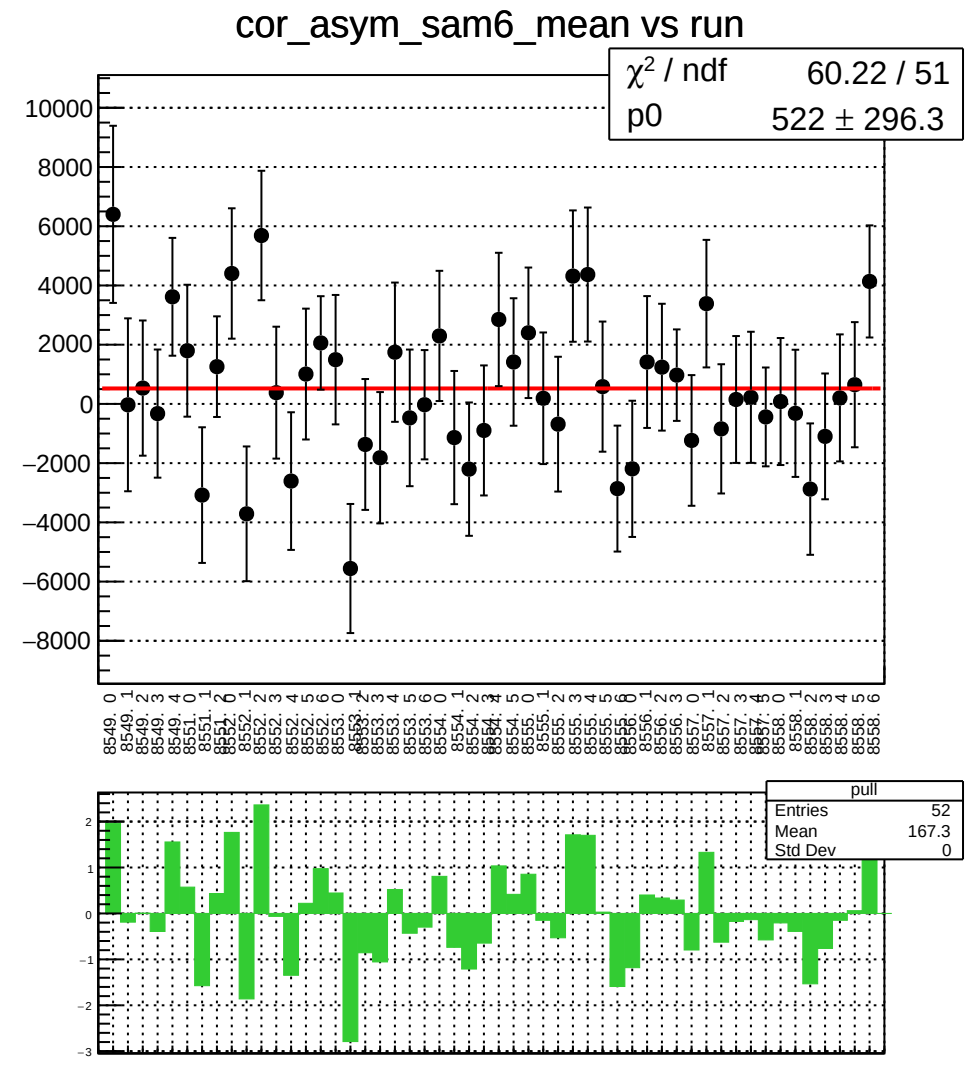

pull1D
Entries 52
Mean −0.01047
Std Dev 1.076

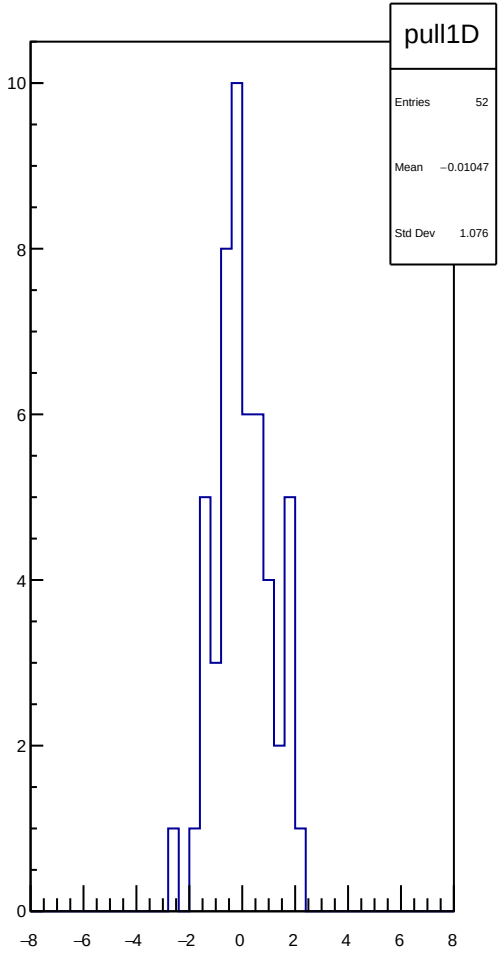

reg_asym_sam6_rms vs run
χ² / ndf 3695 / 51
p0 211.9 ± 0.2095
280
260
240
220
200
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 5
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

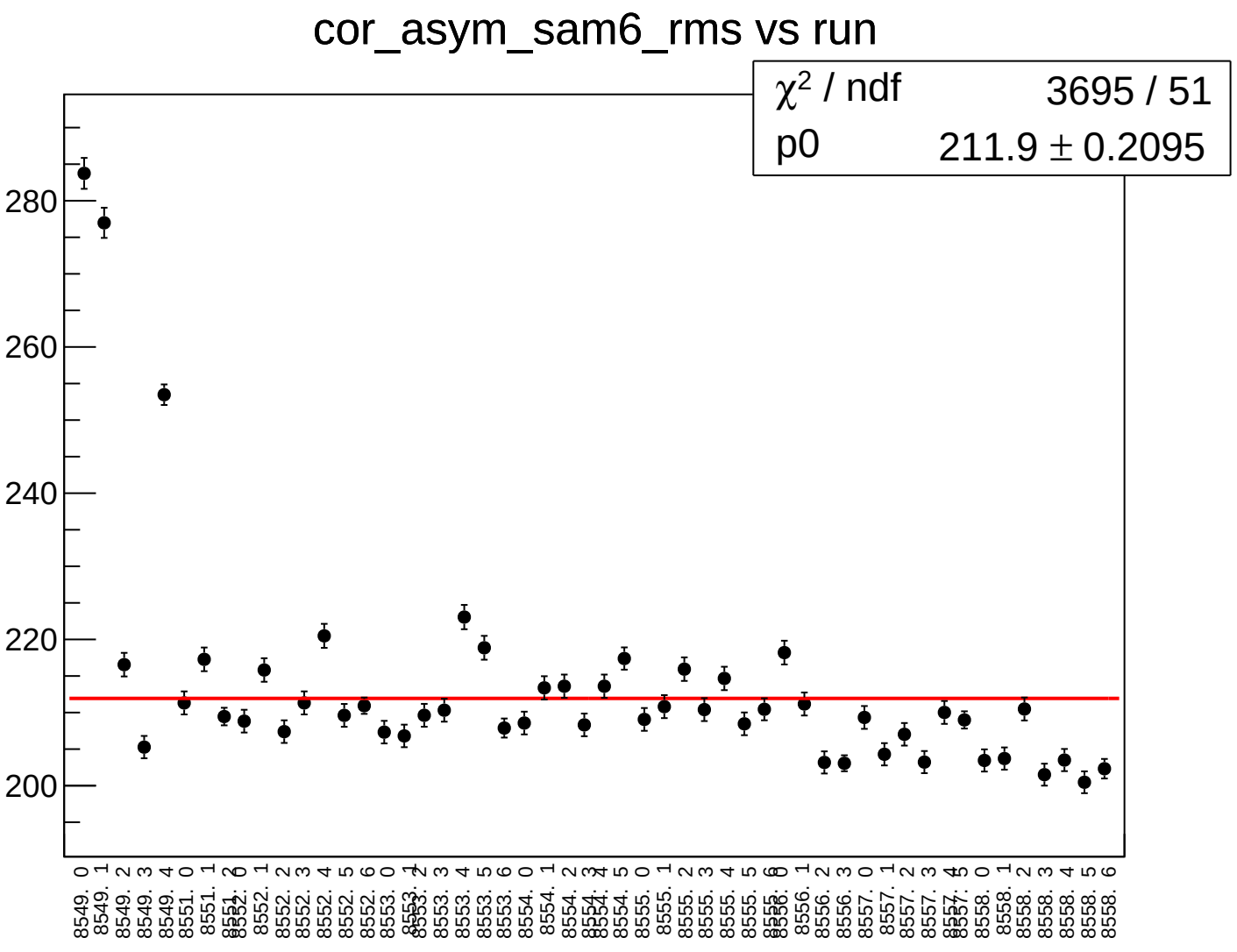

asym_sam6_reg_correction_mean vs run
χ² / ndf 50.57 / 51
p0 1690 ± 2305
pull
Entries 52
Mean −193.3
Std Dev 0

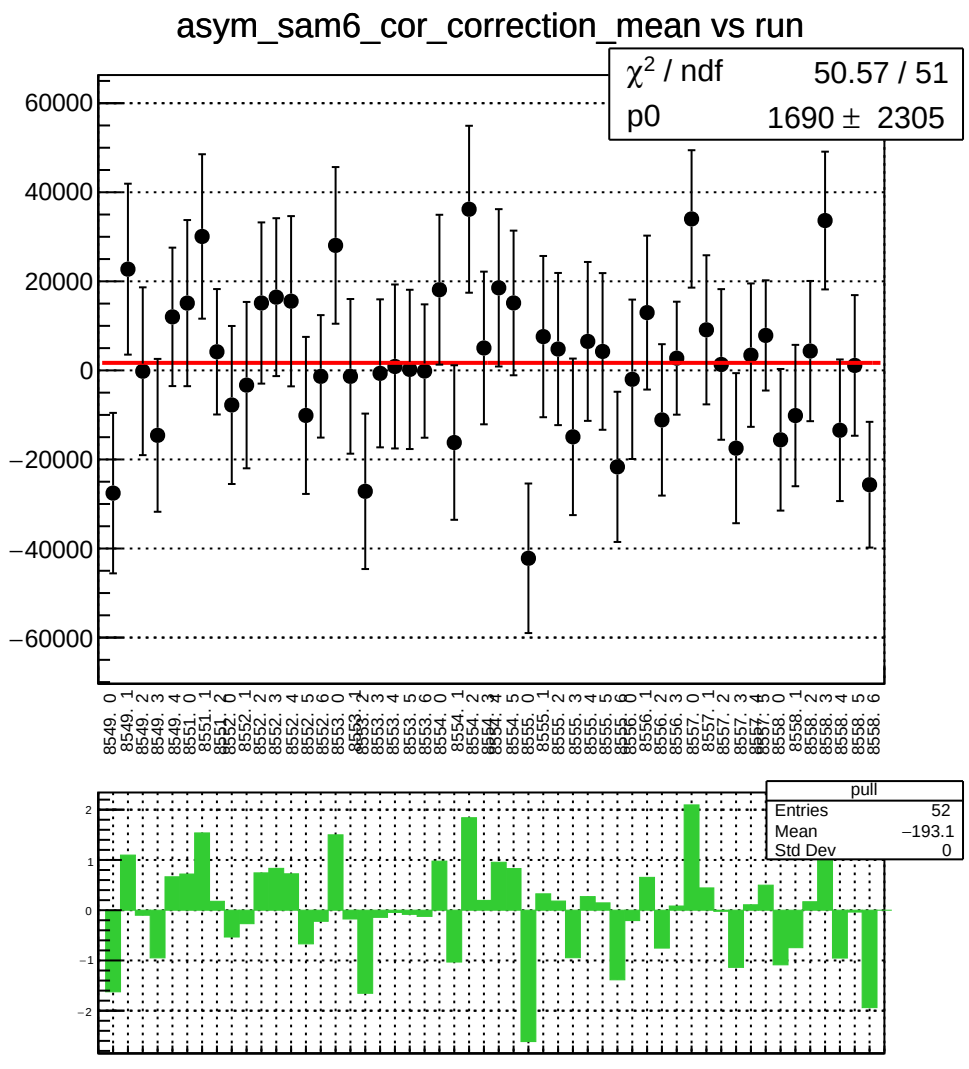

pull1D
Entries 52
Mean 0.007558
Std Dev 0.9861

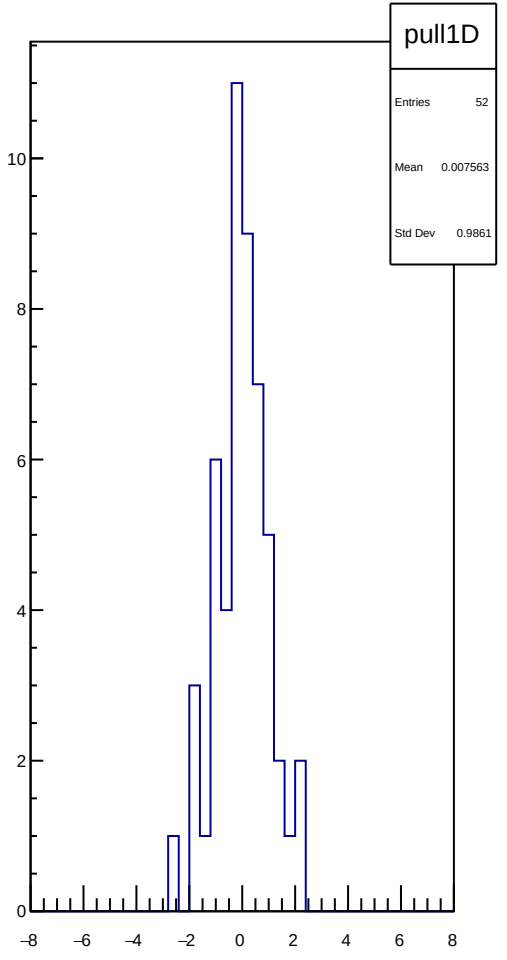

asym_sam6_reg_correction_rms vs run
χ² / ndf 4353 / 51
p0 1648 ± 1.63
2000
1900
1800
1700
1600
1500
1400
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

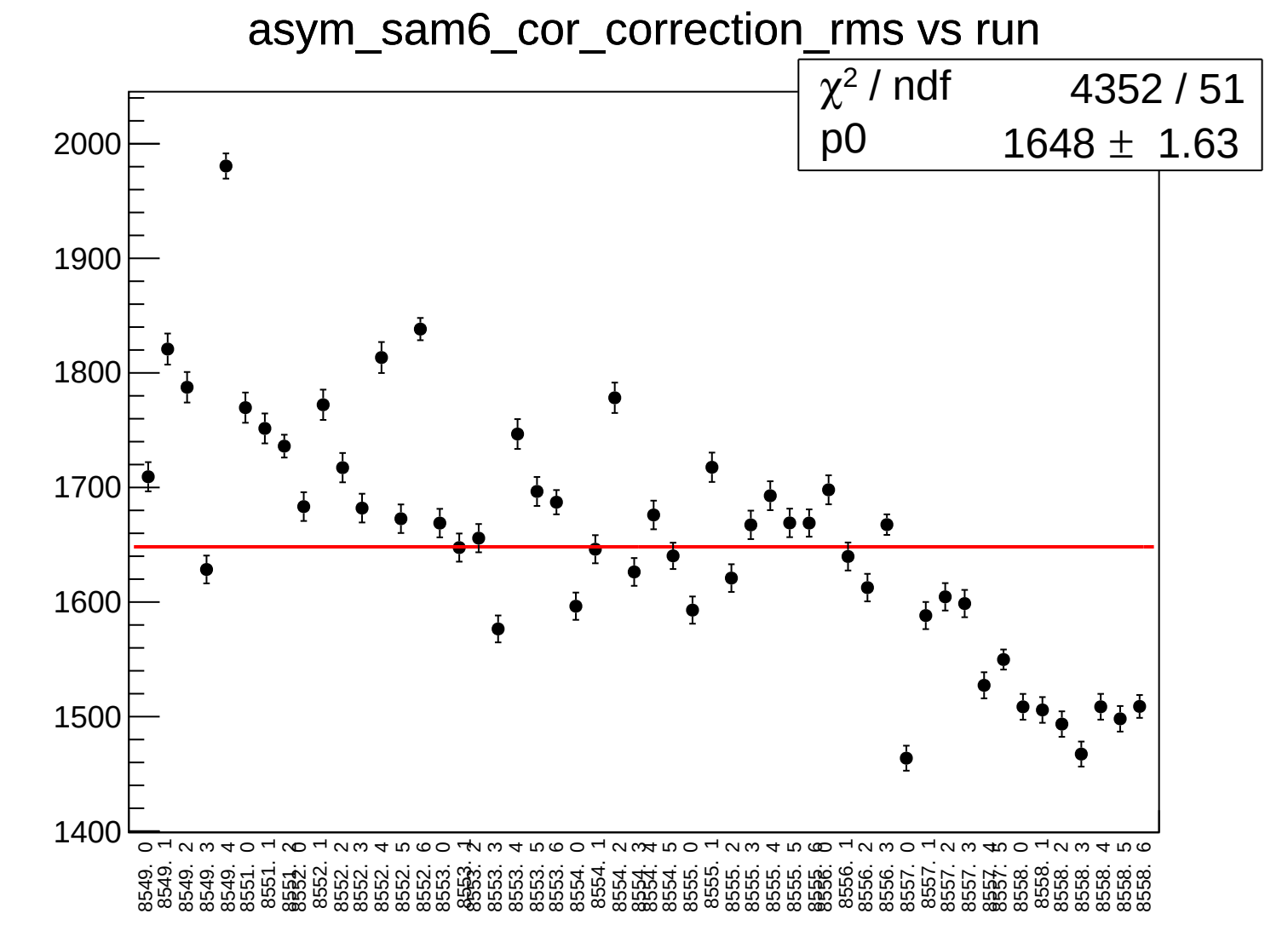

cor_asym_sam6_mean vs run
χ^2 / ndf 60.22 / 51
p0 522 ± 296.3
pull
Entries 52
Mean 167.3
Std Dev 0


pull1D
Entries 52
Mean −0.01047
Std Dev 1.076


cor_asym_sam6_rms vs run
χ² / ndf 3695 / 51
p0 211.9 ± 0.2095
280
260
240
220
200
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 5
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6


asym_sam6_cor_correction_mean vs run
χ² / ndf 50.57 / 51
p0 1690 ± 2305
pull
Entries 52
Mean −193.1
Std Dev 0


pull1D
Entries 52
Mean 0.007563
Std Dev 0.9861


asym_sam6_cor_correction_rms vs run
χ² / ndf 4352 / 51
p0 1648 ± 1.63
2000
1900
1800
1700
1600
1500
1400
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 5
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
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8557. 3
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8558. 1
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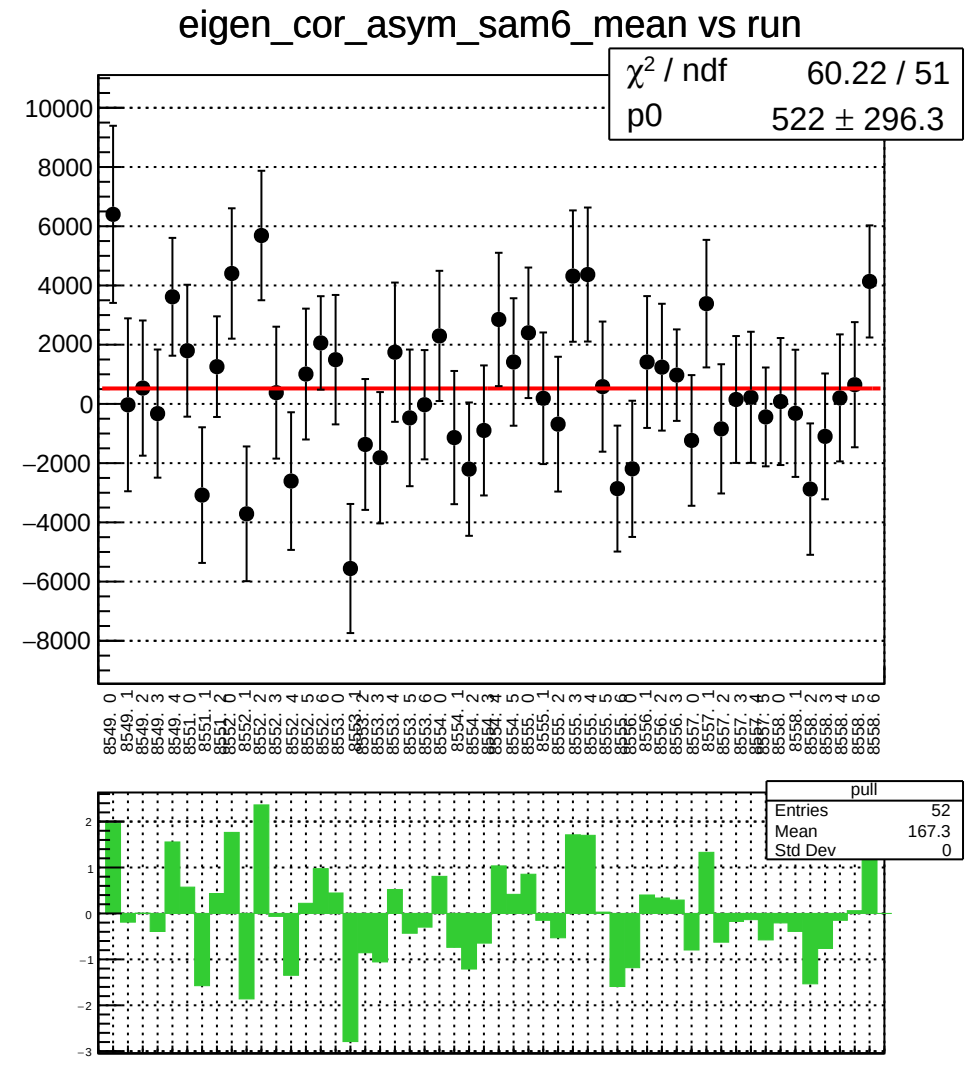
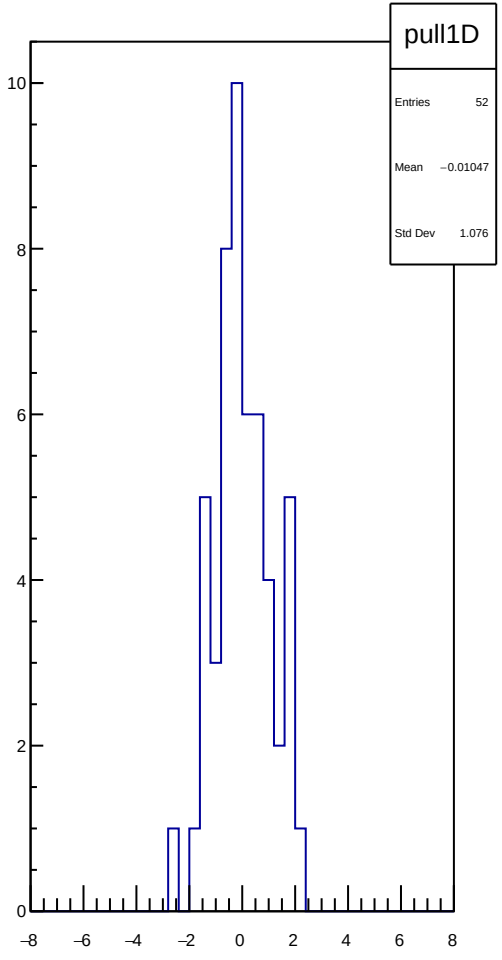
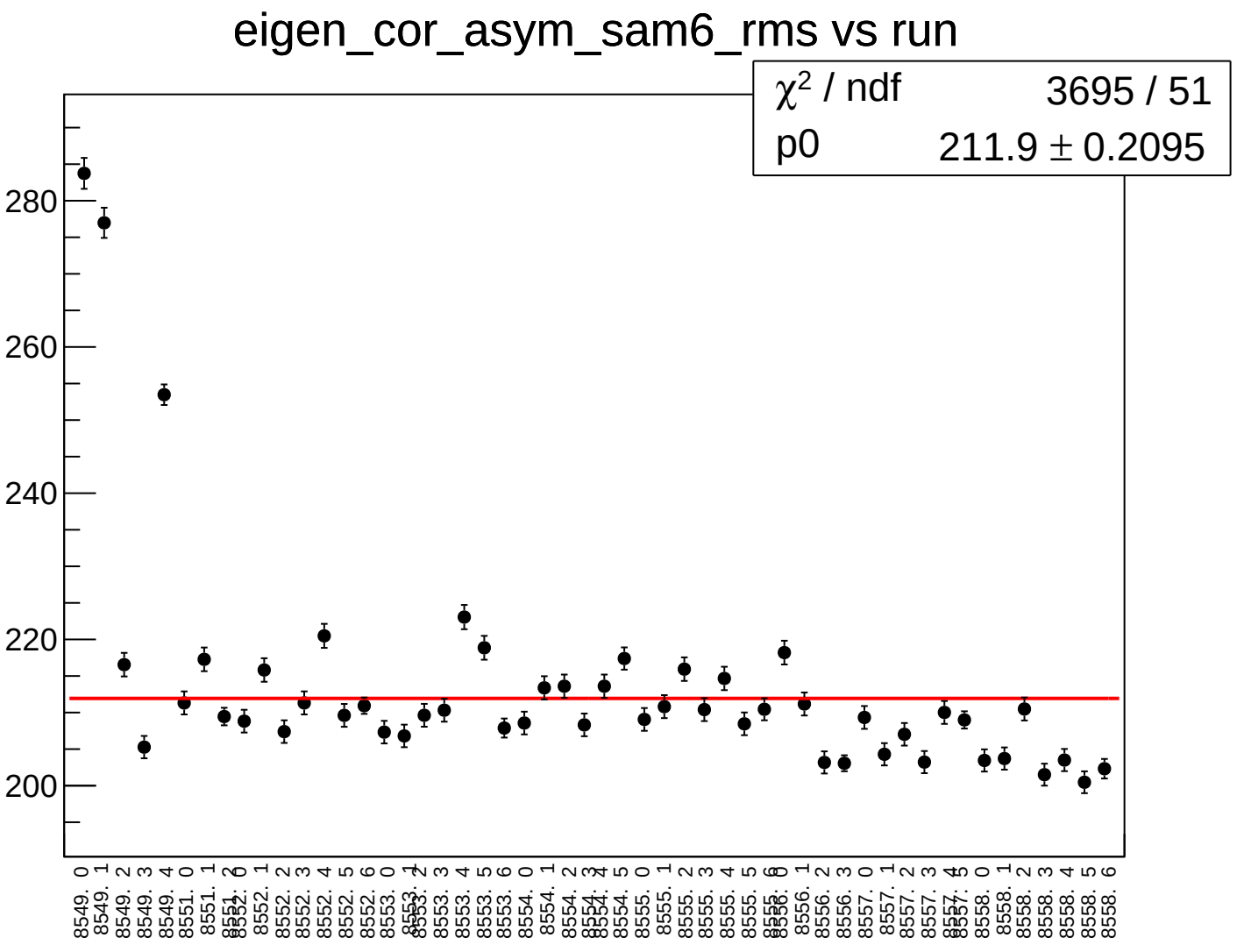
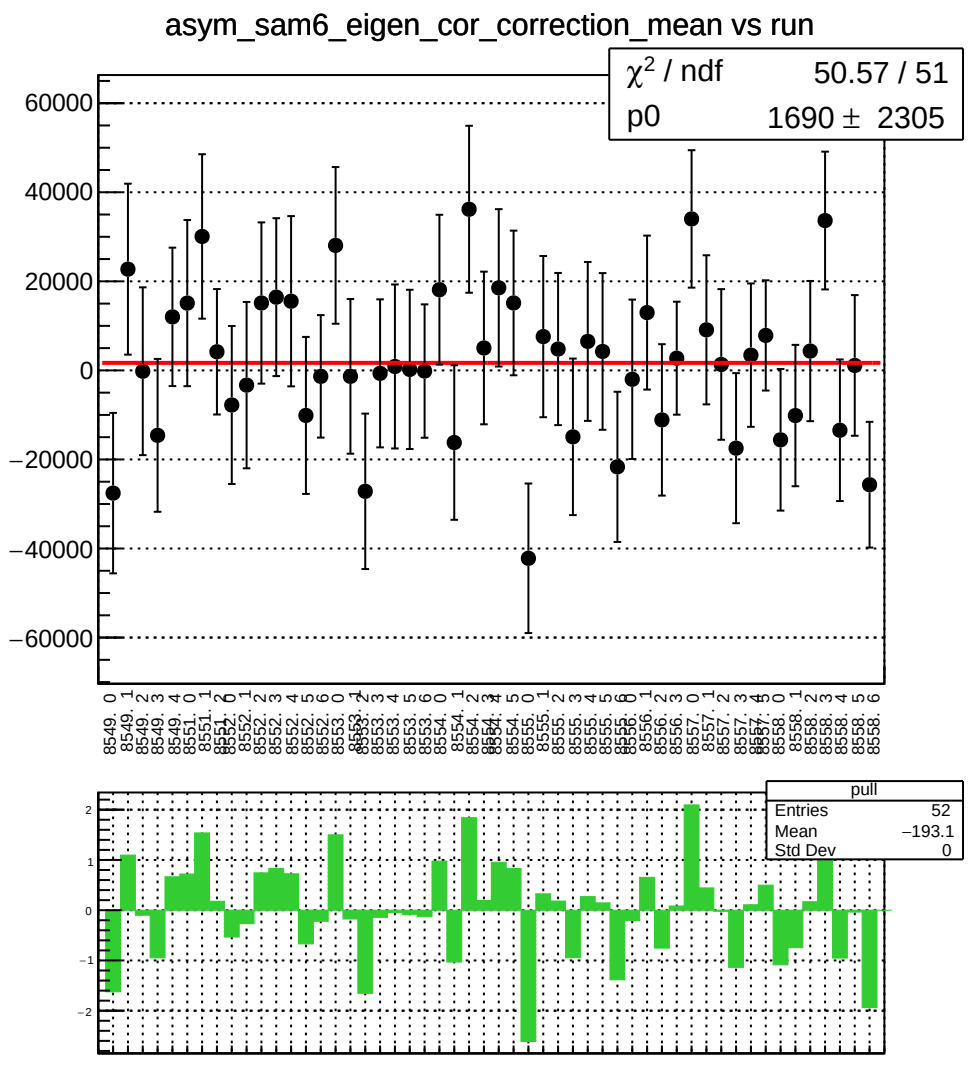
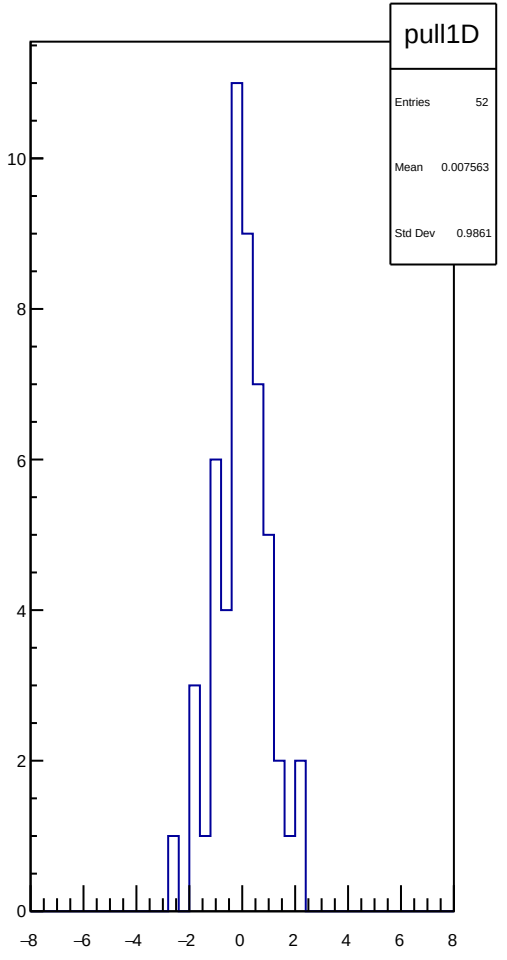
8558. 3
8558. 4
8558. 5
8558. 6

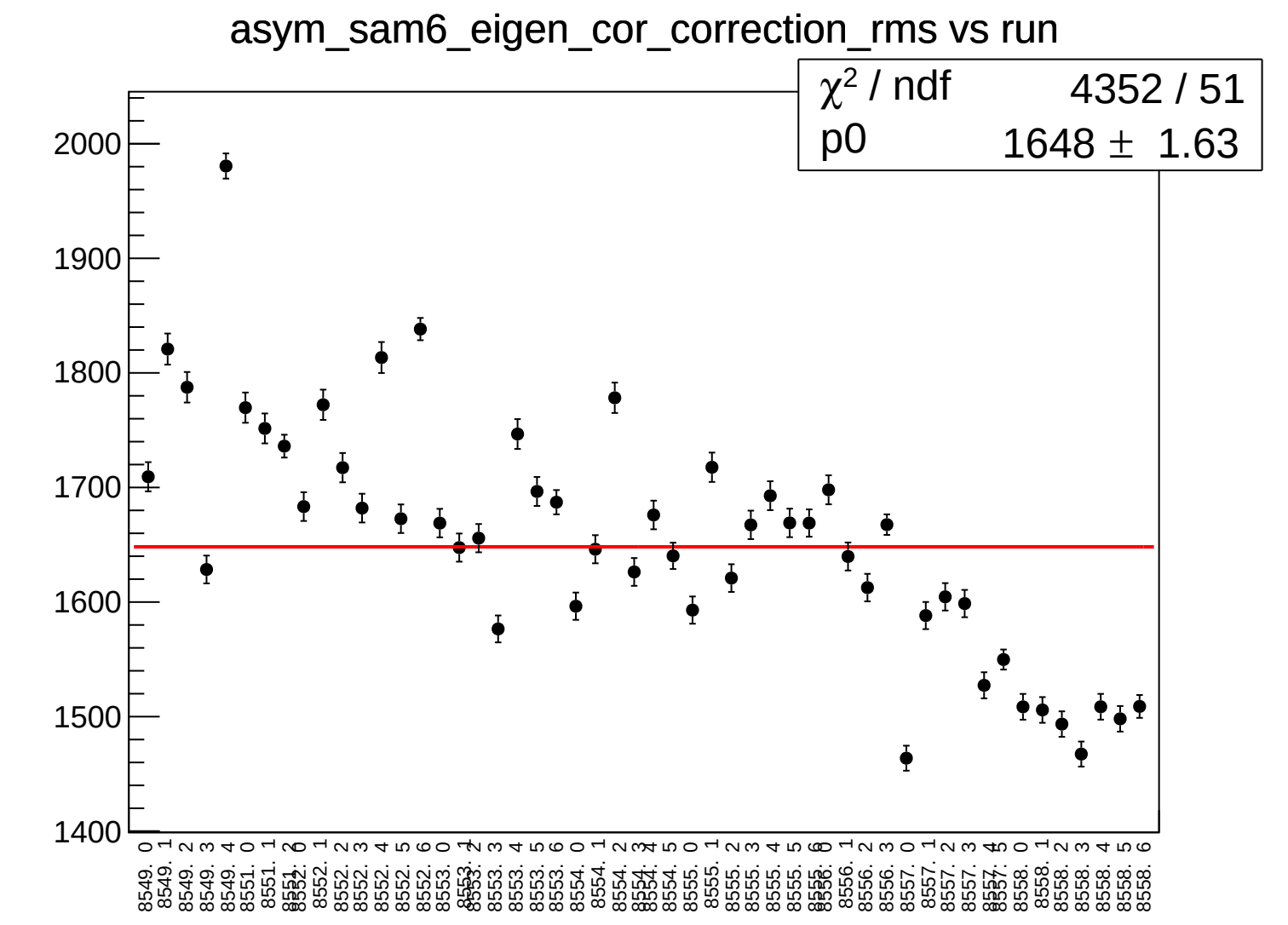

eigen_cor_asym_sam6_mean vs run
χ² / ndf 60.22 / 51
p0 522 ± 296.3
pull
Entries 52
Mean 167.3
Std Dev 0


pull1D
Entries 52
Mean −0.01047
Std Dev 1.076


eigen_cor_asym_sam6_rms vs run
χ² / ndf 3695 / 51
p0 211.9 ± 0.2095
280
260
240
220
200
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 5
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6


asym_sam6_eigen_cor_correction_mean vs run
χ² / ndf 50.57 / 51
p0 1690 ± 2305
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 52
Mean −193.1
Std Dev 0
2
1
0
−1
−2


pull1D
Entries 52
Mean 0.007563
Std Dev 0.9861
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


asym_sam6_eigen_cor_correction_rms vs run
χ² / ndf 4352 / 51
p0 1648 ± 1.63
2000
1900
1800
1700
1600
1500
1400
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
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8554. 2
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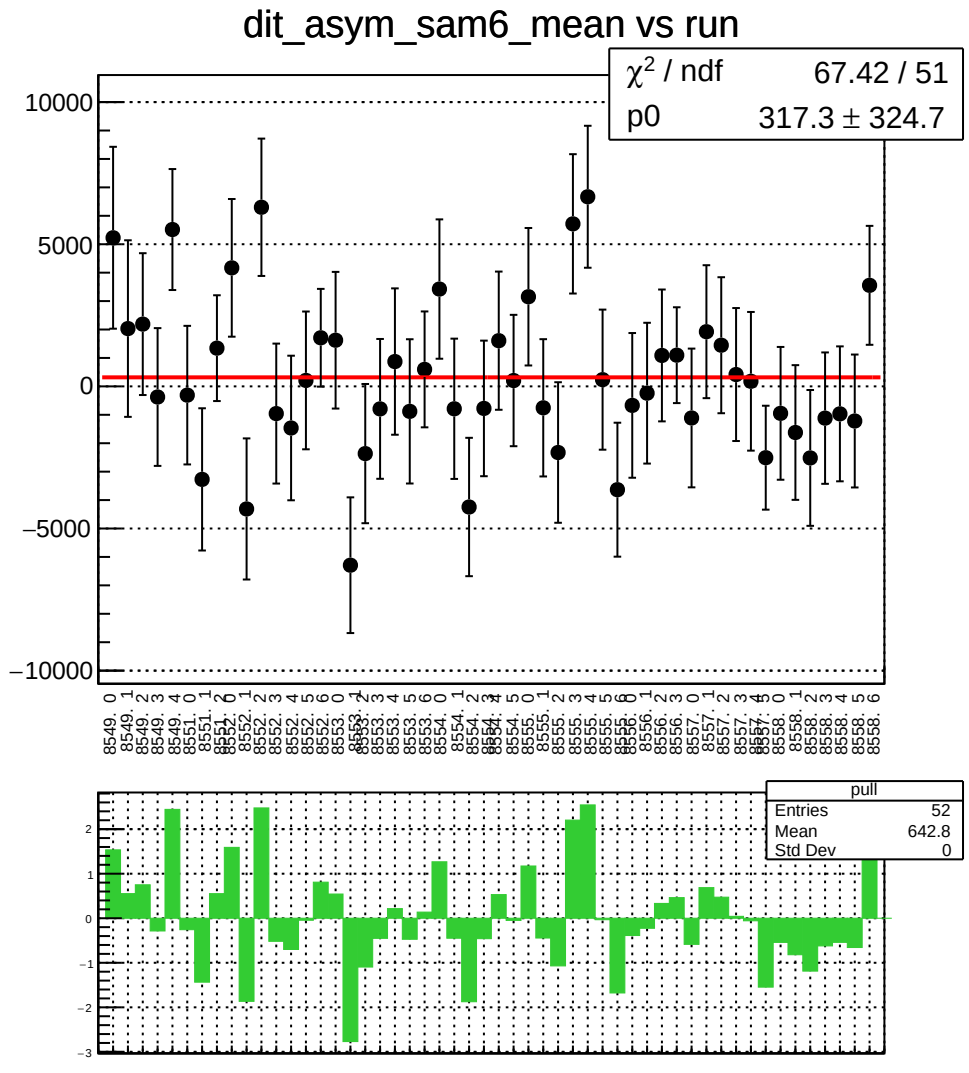
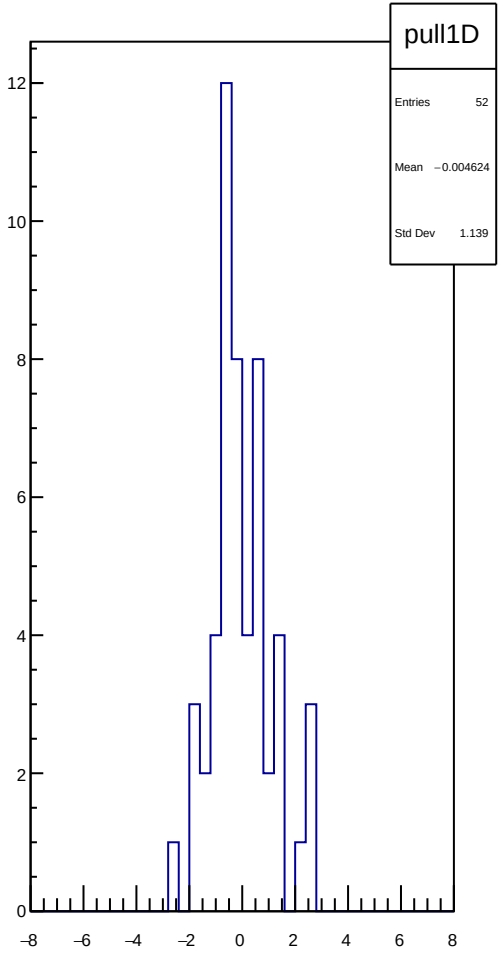
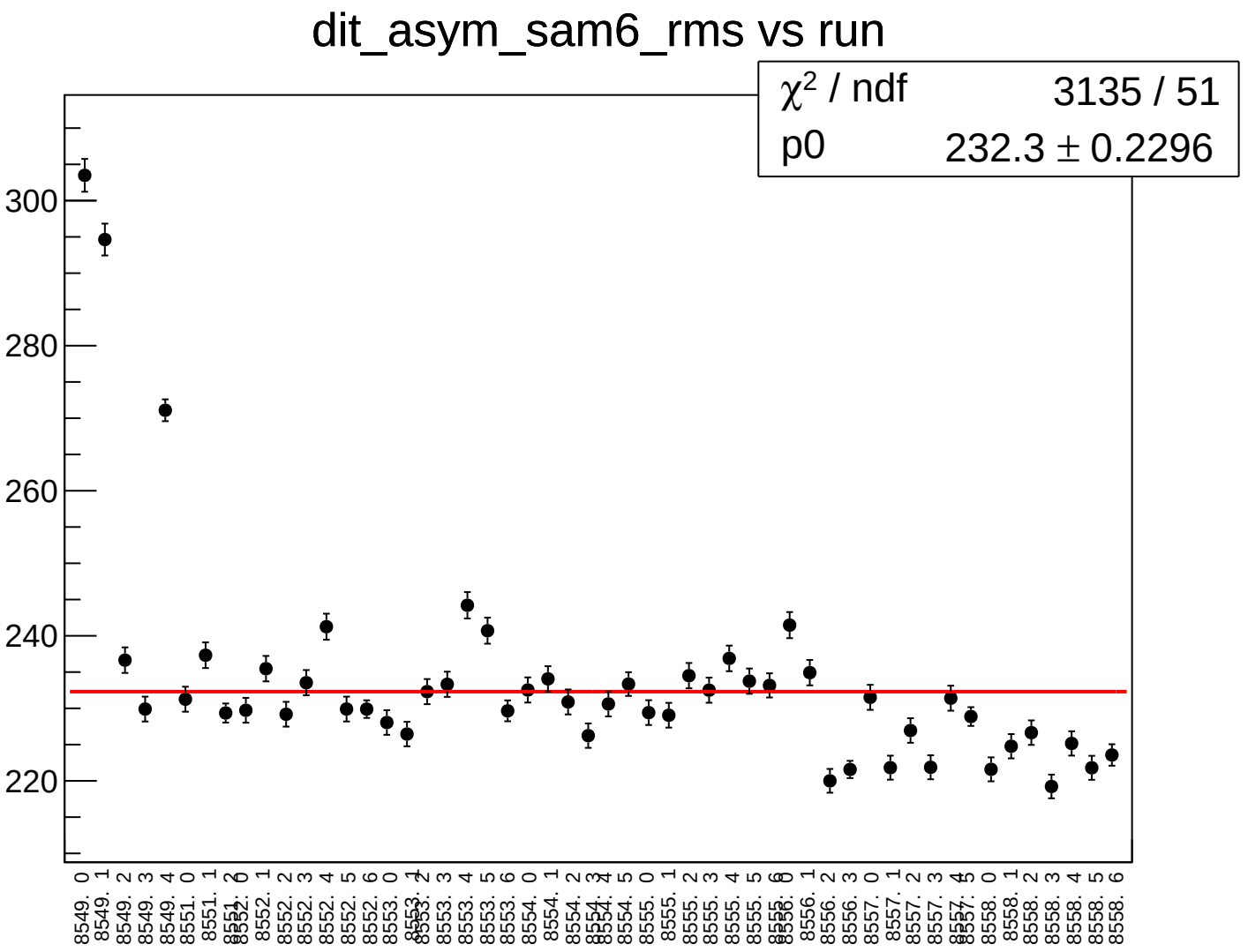
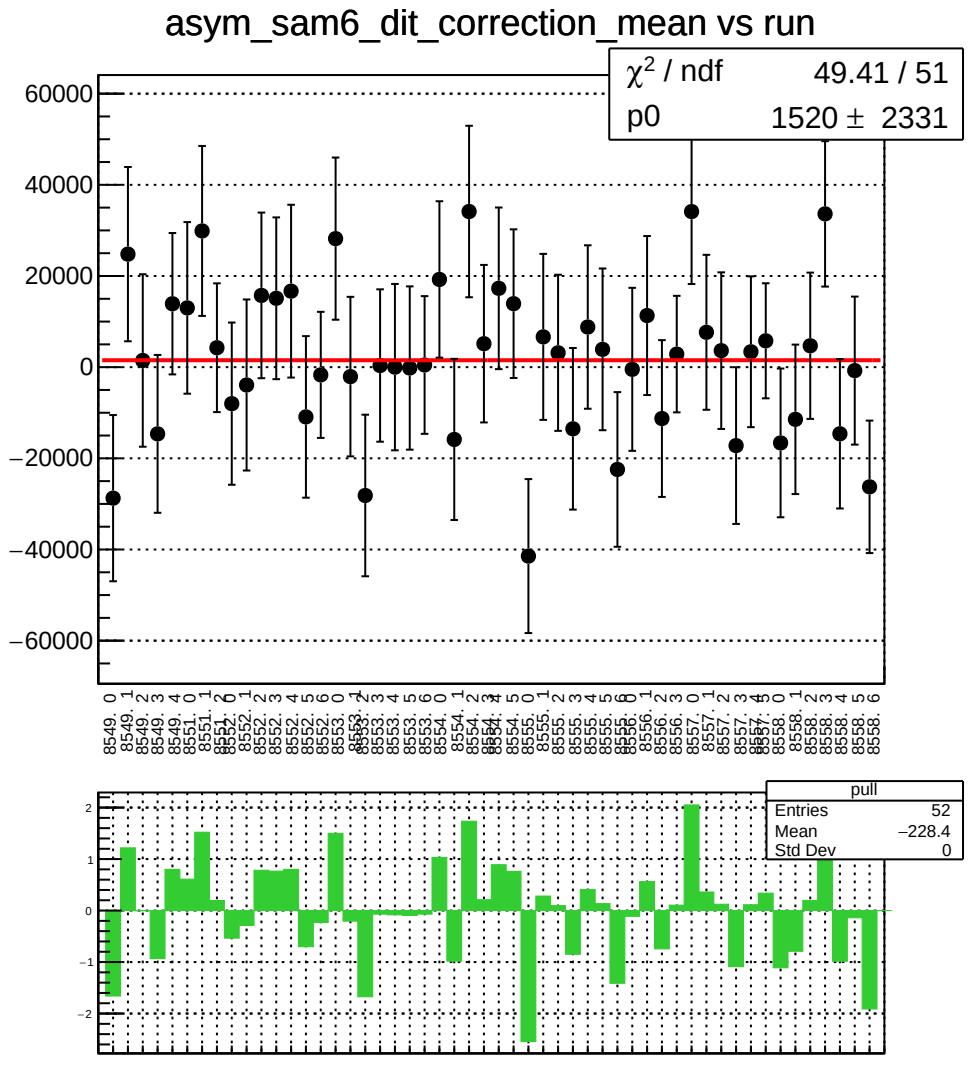
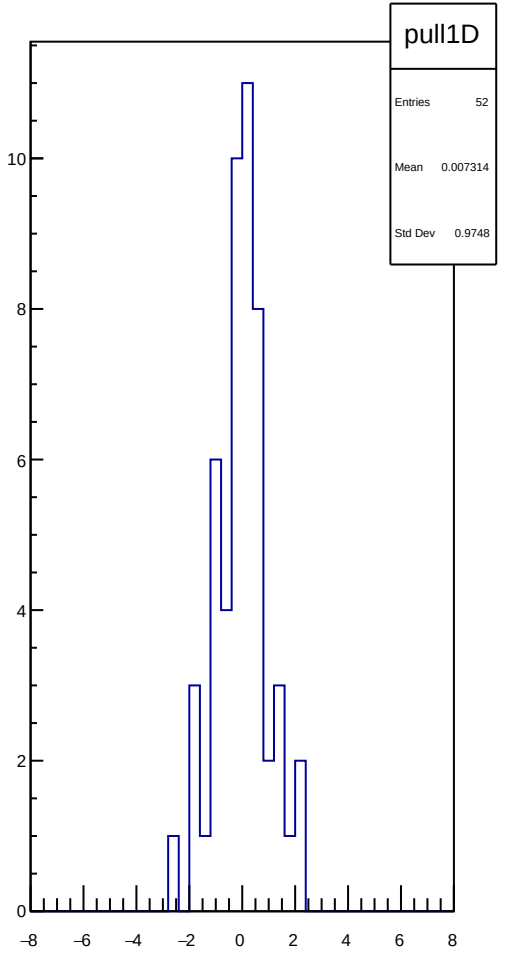
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

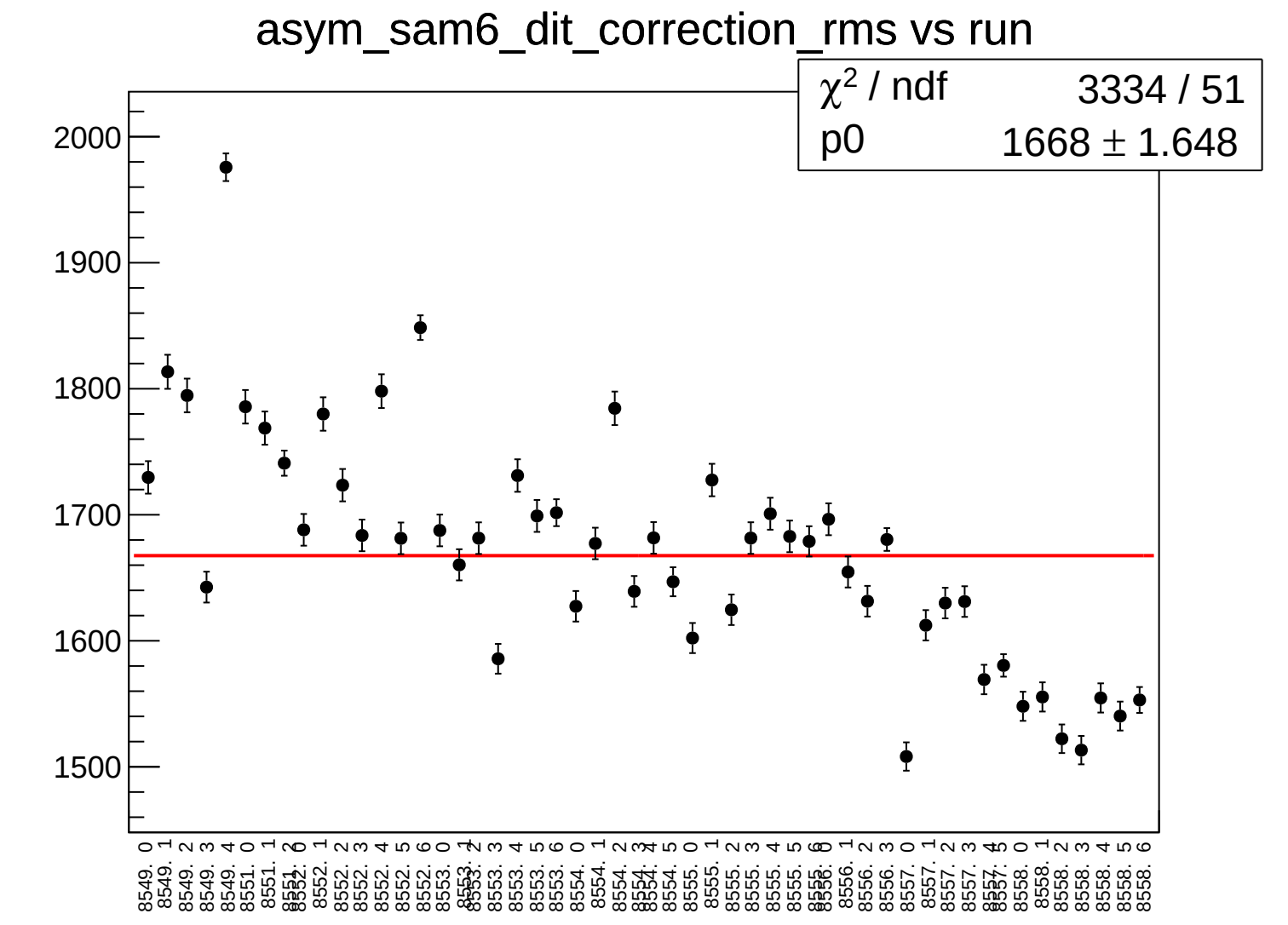

dit_asym_sam6_mean vs run
χ^2 / ndf 67.42 / 51
p0 317.3 ± 324.7
10000
5000
0
−5000
−10000
pull
Entries 52
Mean 642.8
Std Dev 0
2
1
0
−1
−2
−3

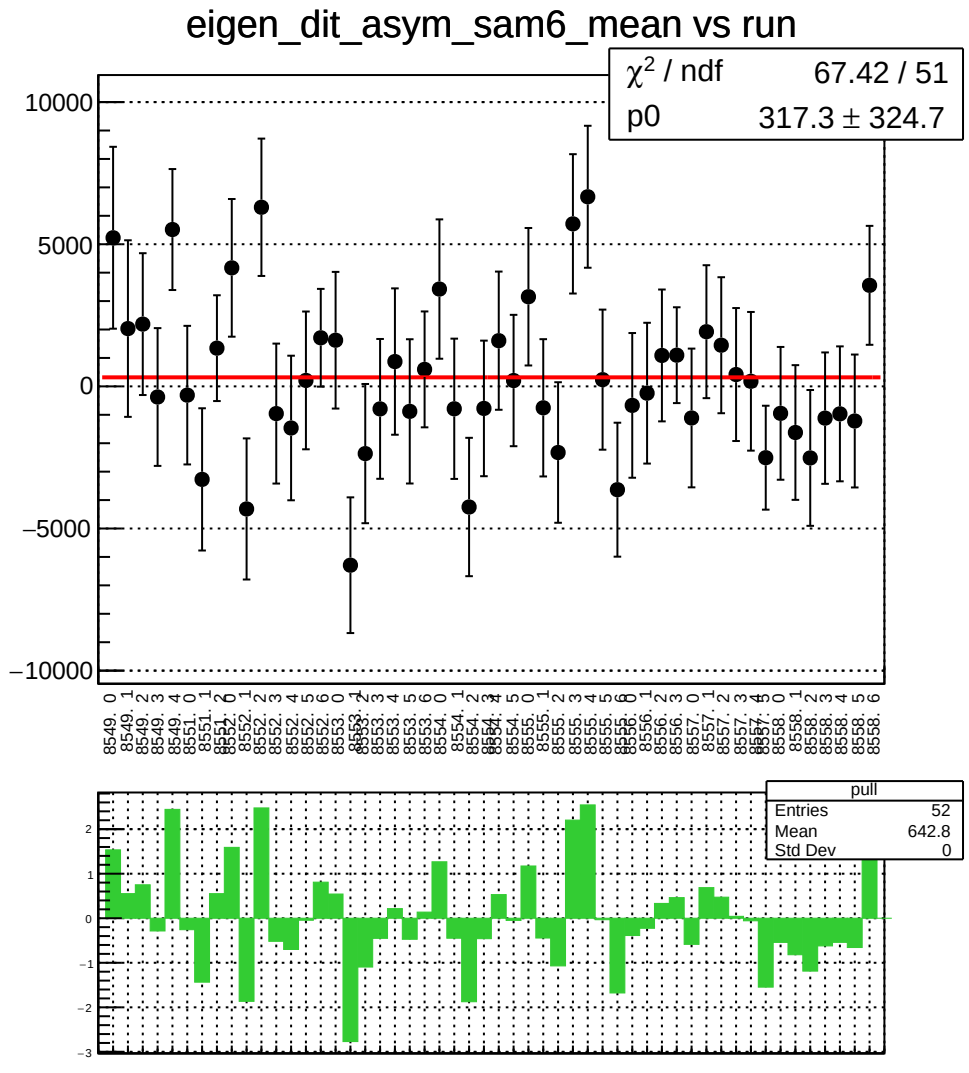

pull1D
Entries 52
Mean −0.004624
Std Dev 1.139
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

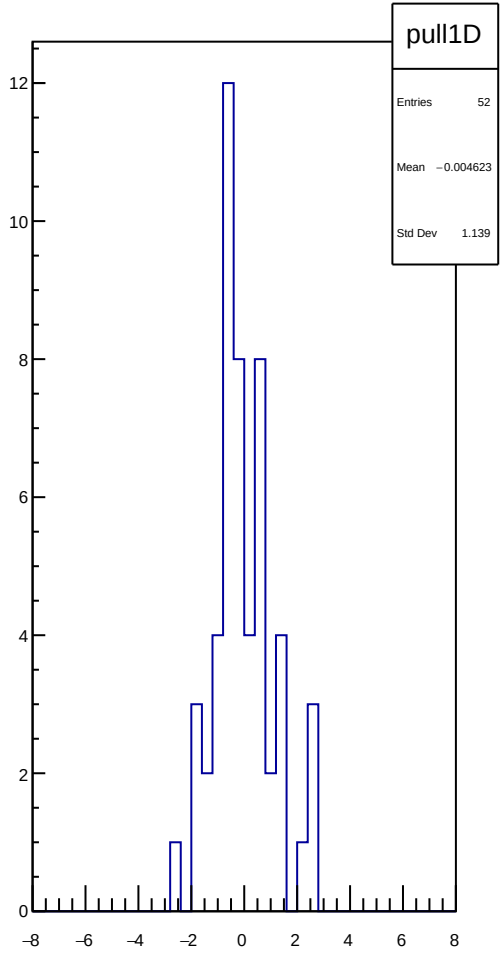

dit_asym_sam6_rms vs run
χ² / ndf 3135 / 51
p0 232.3 ± 0.2296
300
280
260
240
220
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6


asym_sam6_dit_correction_mean vs run
χ² / ndf 49.41 / 51
p0 1520 ± 2331
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 52
Mean −228.4
Std Dev 0
2
1
0
−1
−2


pull1D
Entries 52
Mean 0.007314
Std Dev 0.9748
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


asym_sam6_dit_correction_rms vs run
χ² / ndf 3334 / 51
p0 1668 ± 1.648
2000
1900
1800
1700
1600
1500
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6


eigen_dit_asym_sam6_mean vs run
χ² / ndf 67.42 / 51
p0 317.3 ± 324.7
10000
5000
0
−5000
−10000
pull
Entries 52
Mean 642.8
Std Dev 0
2
1
0
−1
−2
−3


pull1D
Entries 52
Mean −0.004623
Std Dev 1.139
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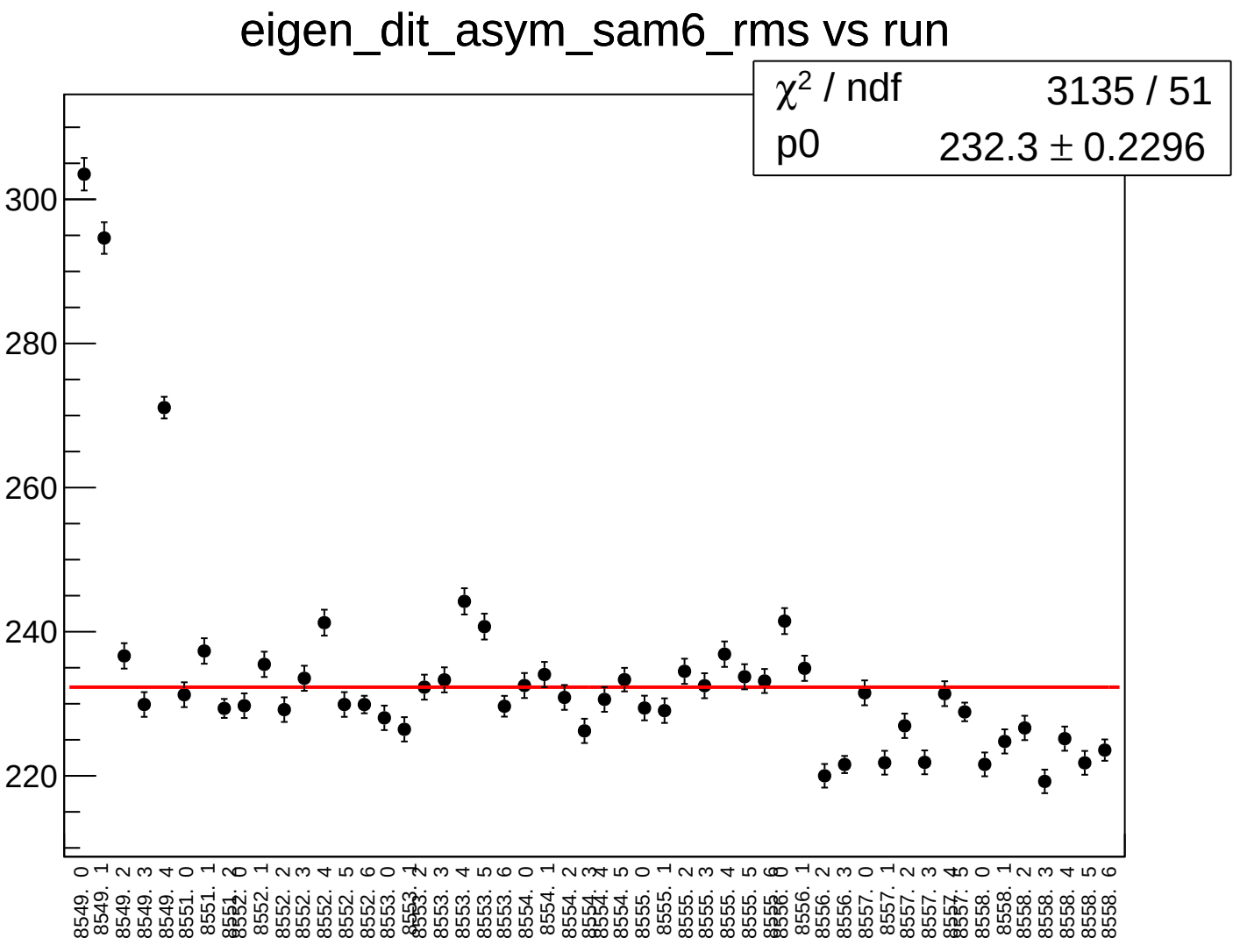
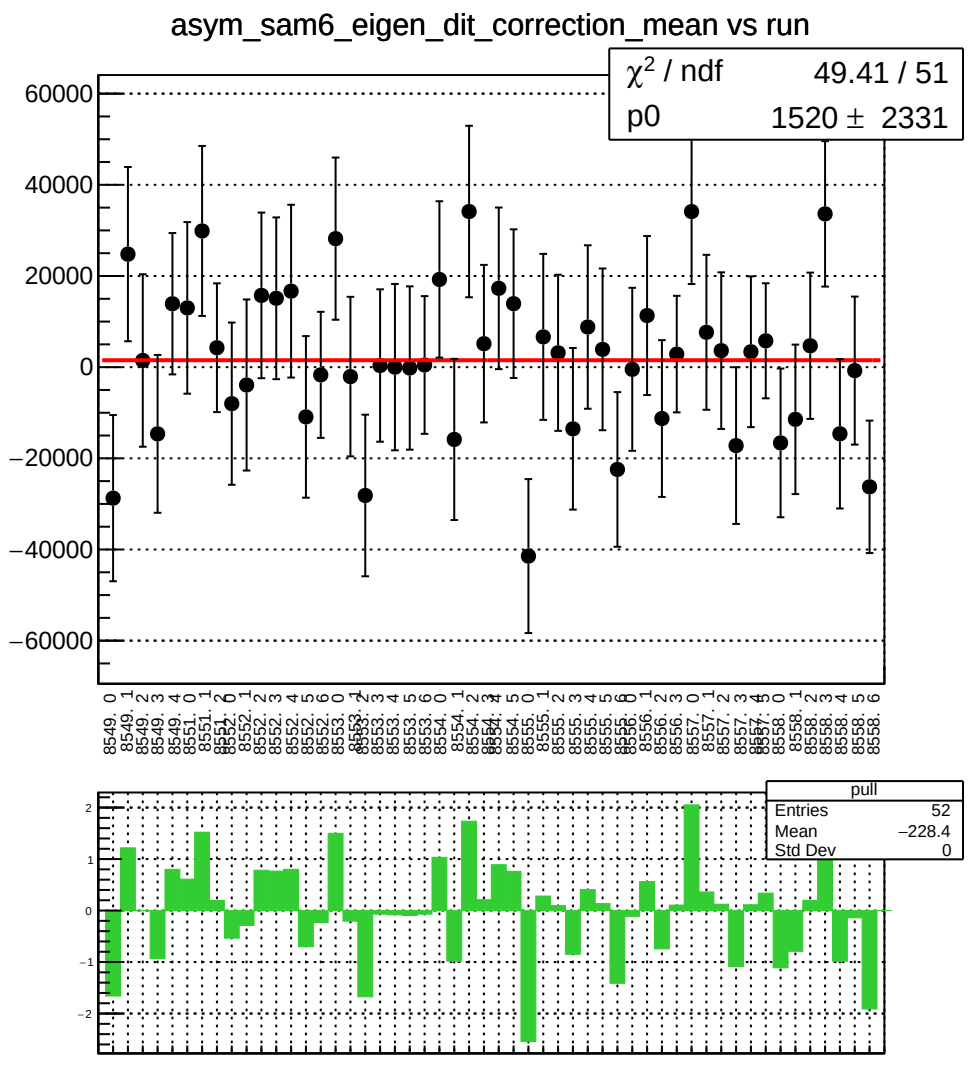
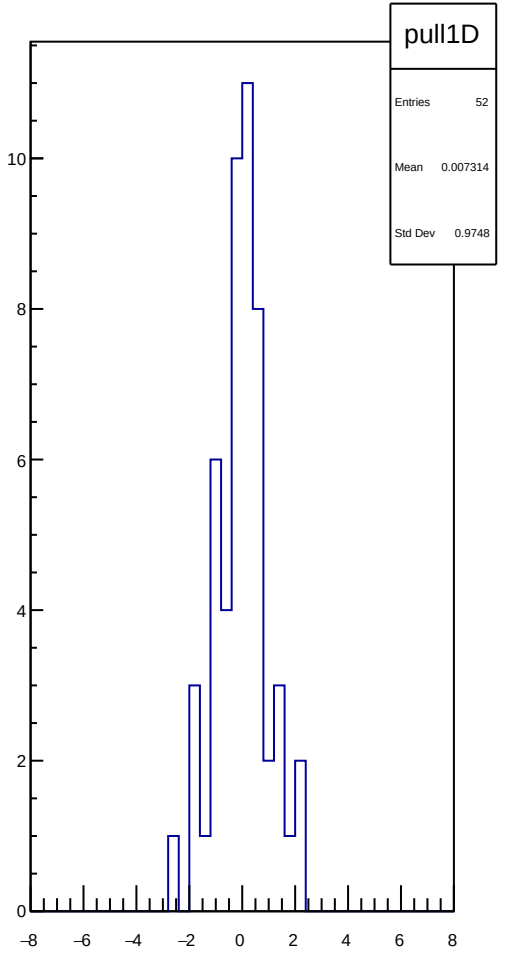
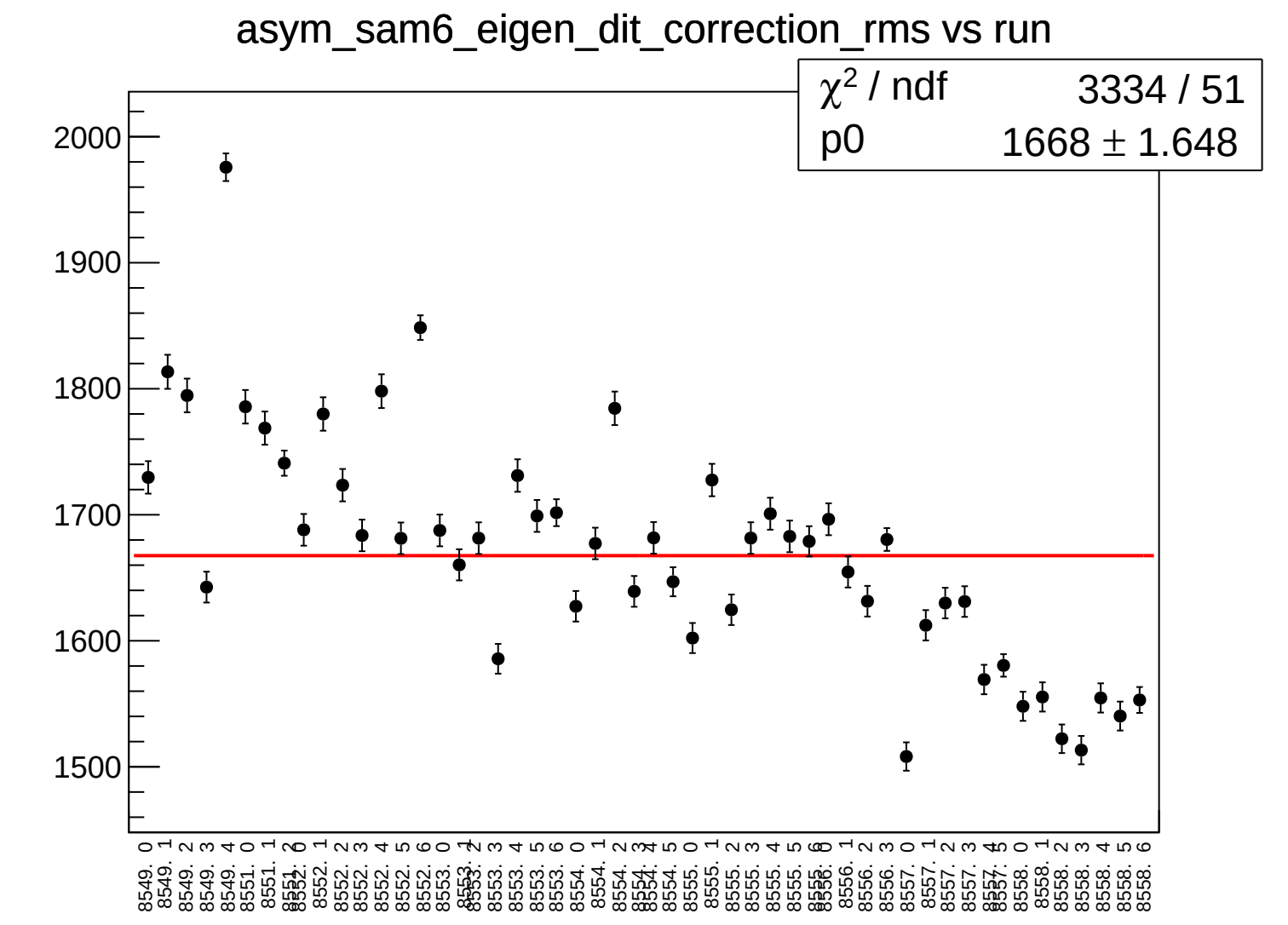
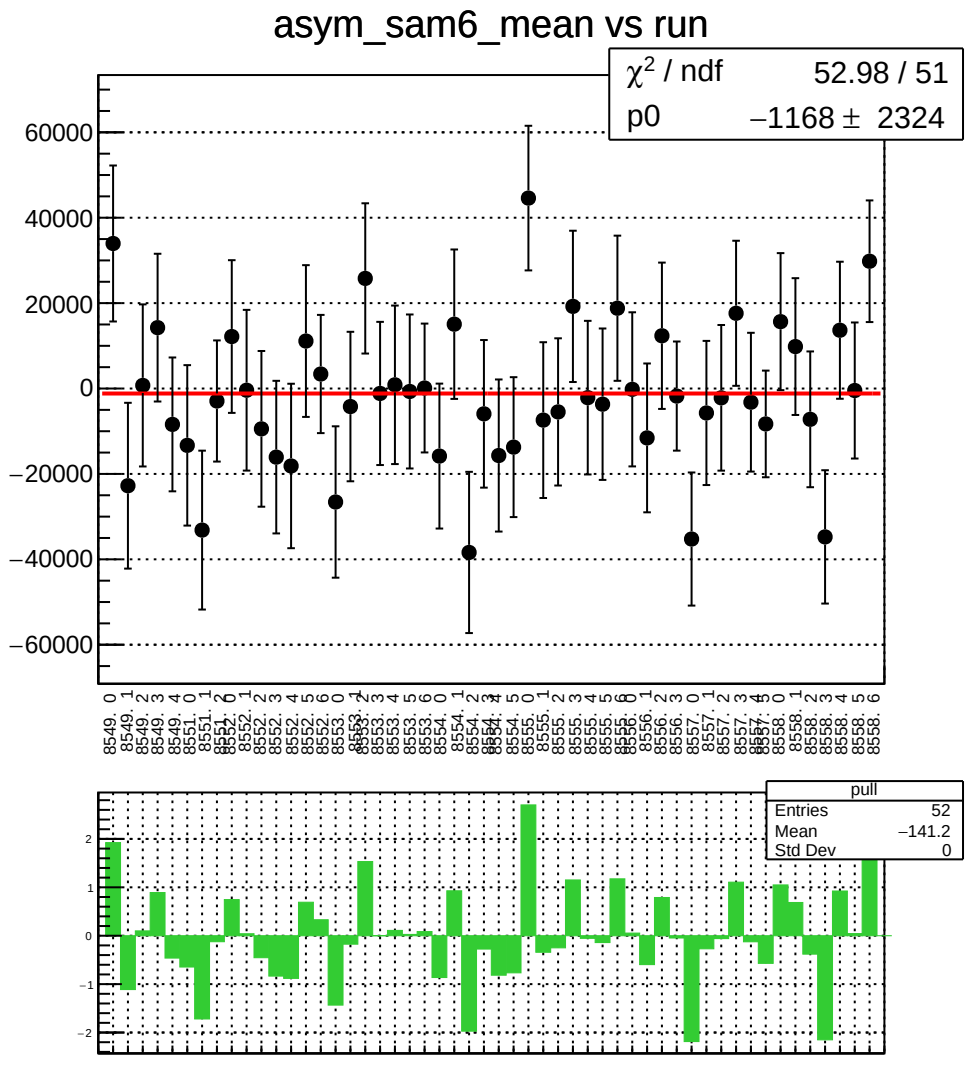
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

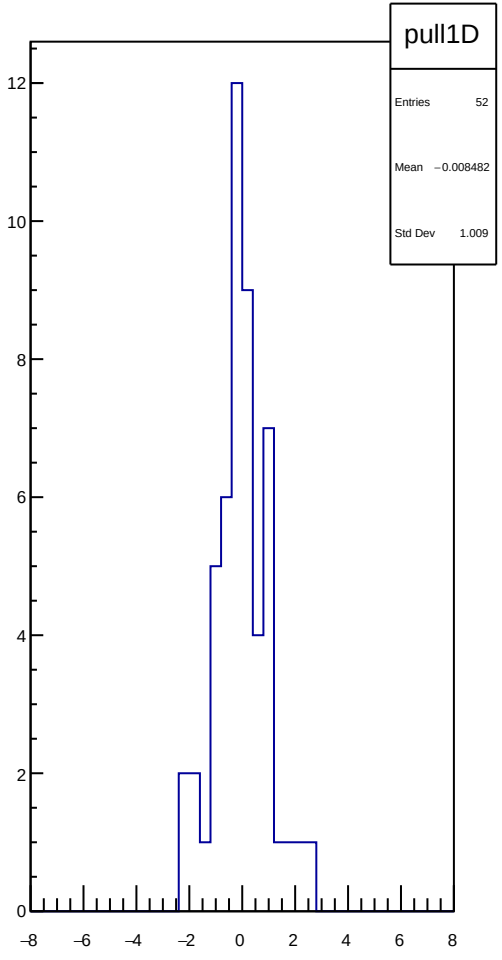

eigen_dit_asym_sam6_rms vs run
χ² / ndf 3135 / 51
p0 232.3 ± 0.2296
300
280
260
240
220
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6


asym_sam6_eigen_dit_correction_mean vs run
χ² / ndf 49.41 / 51
p0 1520 ± 2331
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 52
Mean −228.4
Std Dev 0
2
1
0
−1
−2


pull1D
Entries 52
Mean 0.007314
Std Dev 0.9748
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


asym_sam6_eigen_dit_correction_rms vs run
χ² / ndf 3334 / 51
p0 1668 ± 1.648
2000
1900
1800
1700
1600
1500
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6


asym_sam6_mean vs run
χ² / ndf 52.98 / 51
p0 −1168 ± 2324
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 52
Mean −141.2
Std Dev 0
2
1
0
−1
−2


pull1D
Entries 52
Mean −0.008482
Std Dev 1.009
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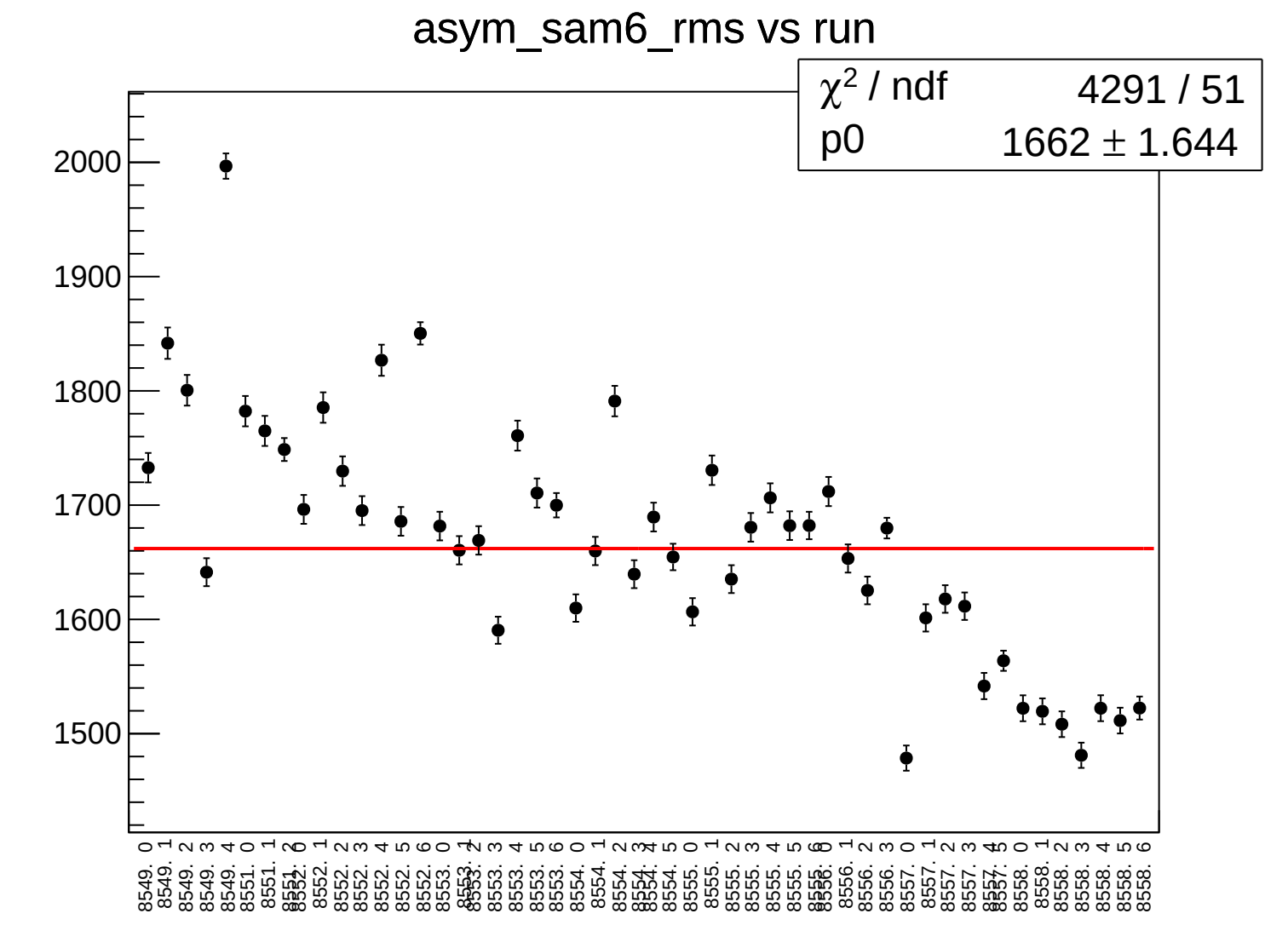
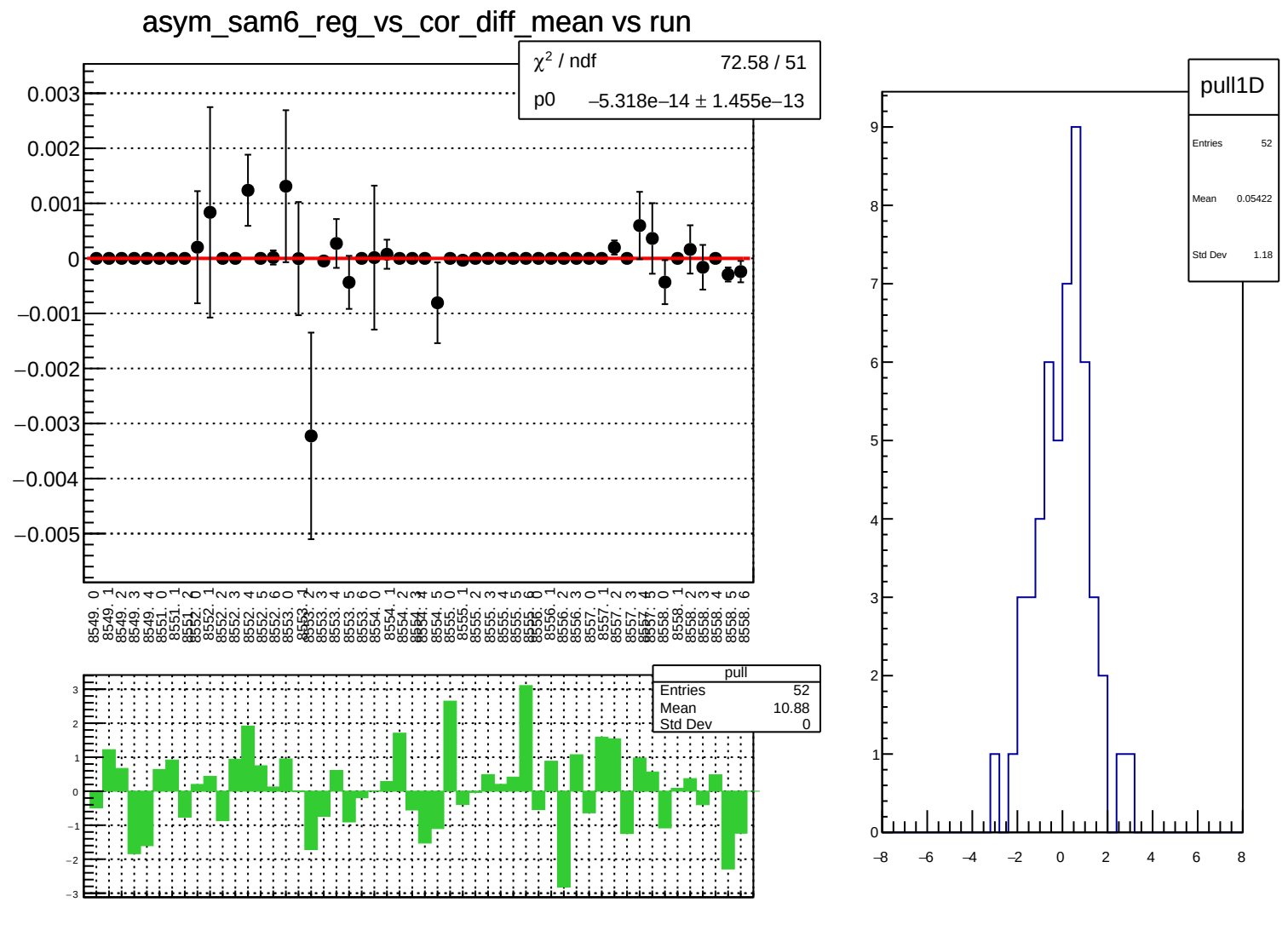
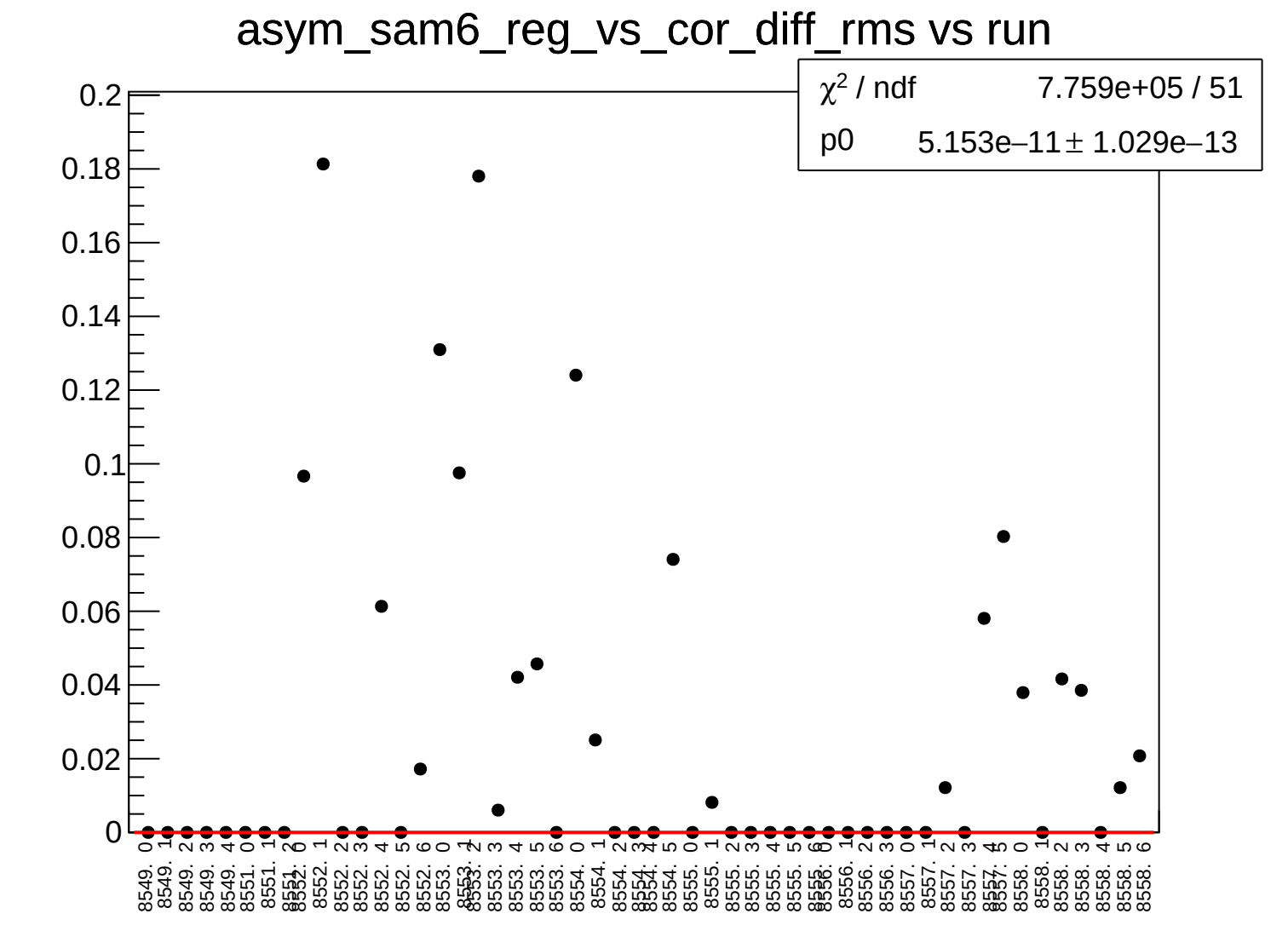
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


asym_sam6_rms vs run
χ² / ndf 4291 / 51
p0 1662 ± 1.644
2000
1900
1800
1700
1600
1500
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6


asym_sam6_reg_vs_cor_diff_mean vs run
χ² / ndf 72.58 / 51
p0 −5.318e−14 ± 1.455e−13
pull
Entries 52
Mean 10.88
Std Dev 0
pull1D
Entries 52
Mean 0.05422
Std Dev 1.18


asym_sam6_reg_vs_cor_diff_rms vs run
χ² / ndf 7.759e+05 / 51
p0 5.153e−11 ± 1.029e−13
0.2
0.18
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02
0
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 0
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 2
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8553. 6
8554. 0
8554. 1
8554. 2
8554. 5
8555. 0
8555. 1
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8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
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8558. 0
8558. 1
8558. 2
8558. 3
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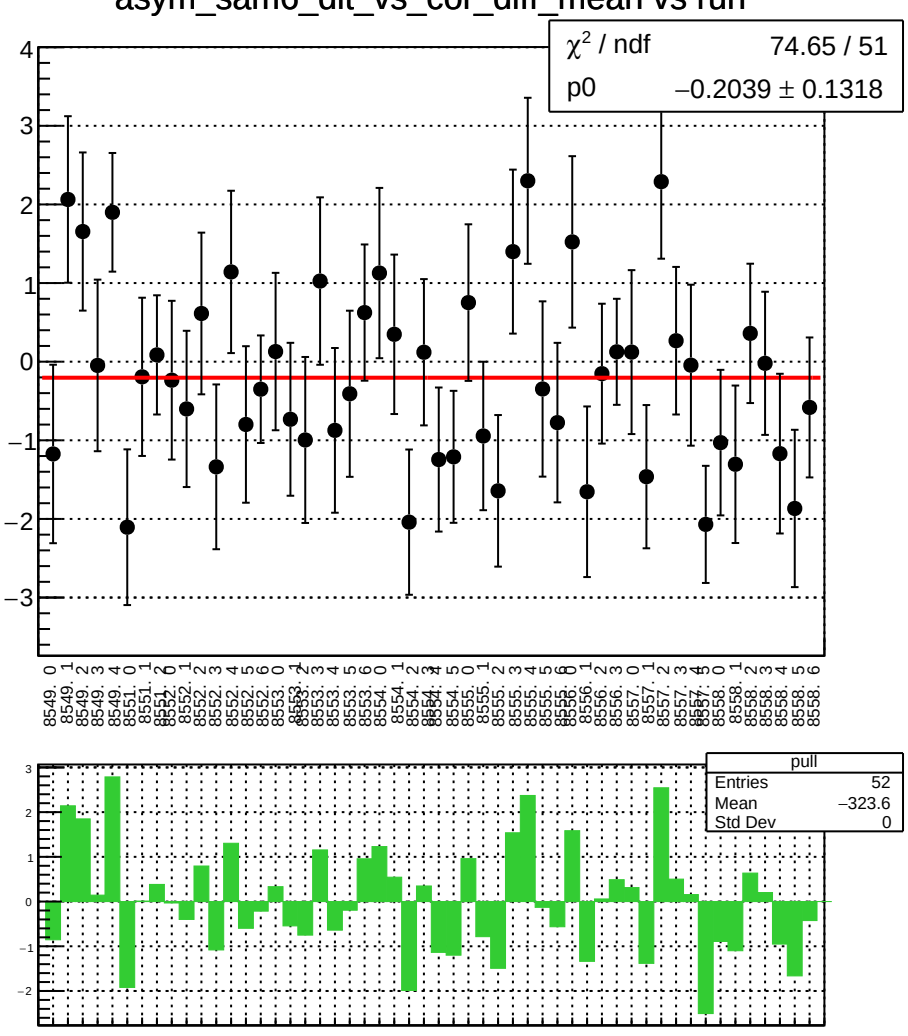
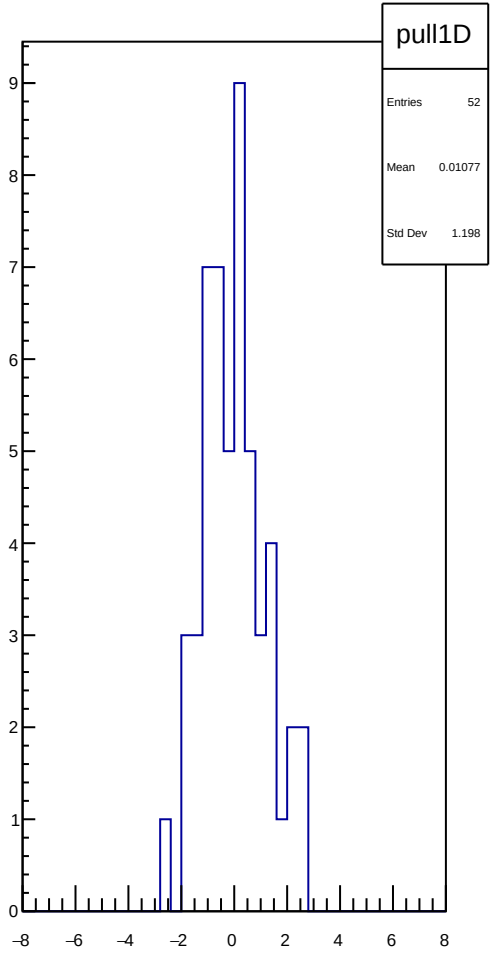
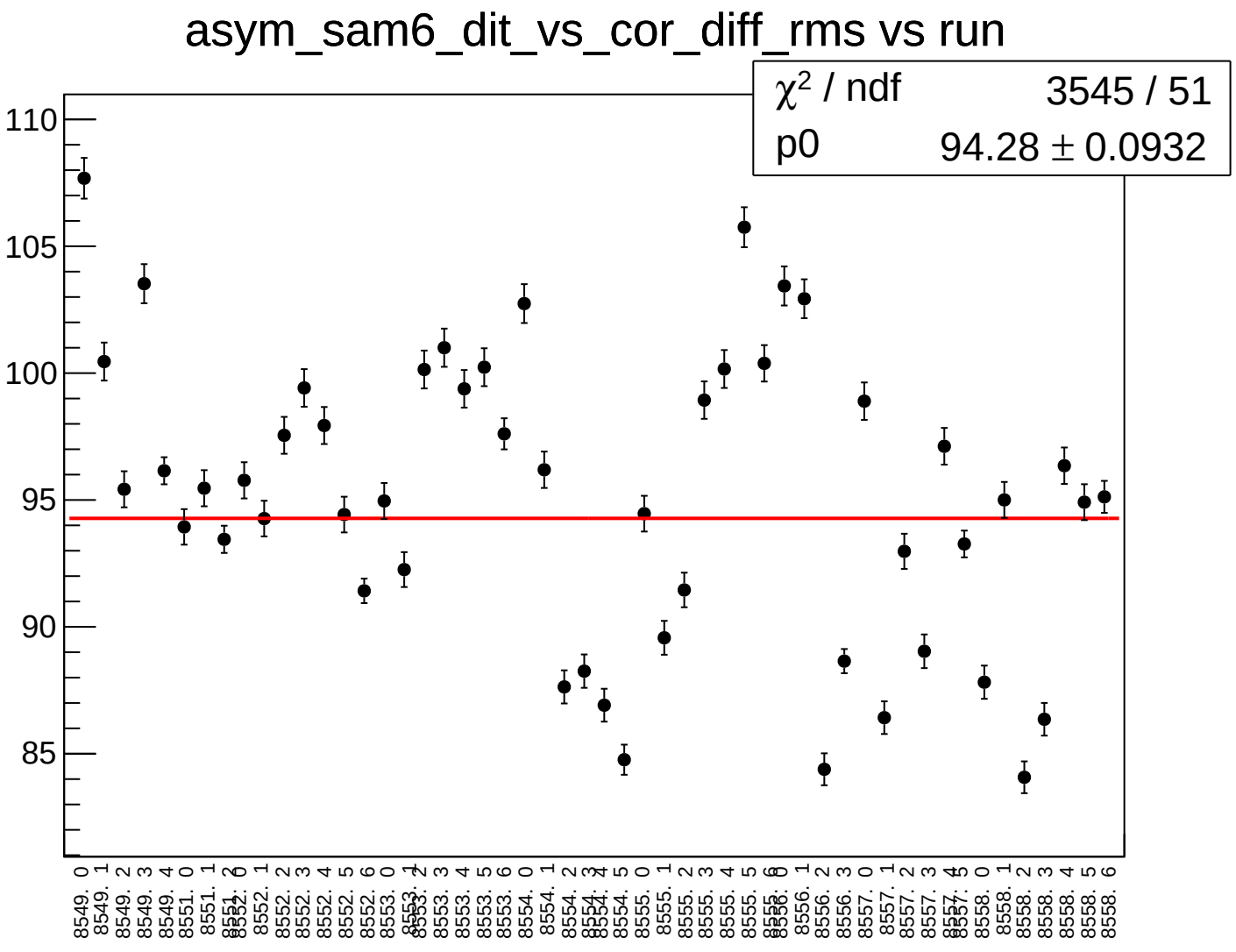
8558. 5
8558. 6


asym_sam6_dit_vs_cor_diff_mean vs run
χ² / ndf 74.65 / 51
p0 −0.2039 ± 0.1318
pull
Entries 52
Mean −323.6
Std Dev 0


pull1D
Entries 52
Mean 0.01077
Std Dev 1.198


asym_sam6_dit_vs_cor_diff_rms vs run
χ² / ndf 3545 / 51
p0 94.28 ± 0.0932
110
105
100
95
90
85
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
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8554. 2
8555. 0
8555. 1
8555. 2
8555. 3
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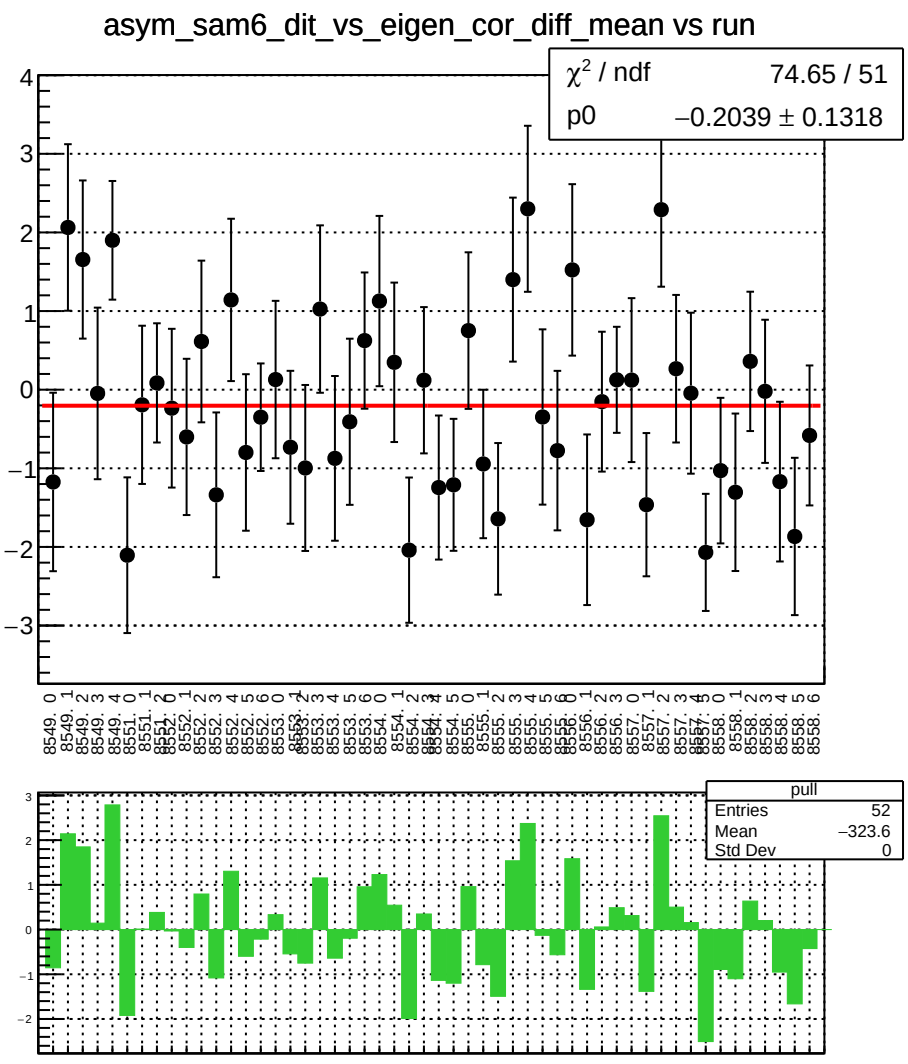
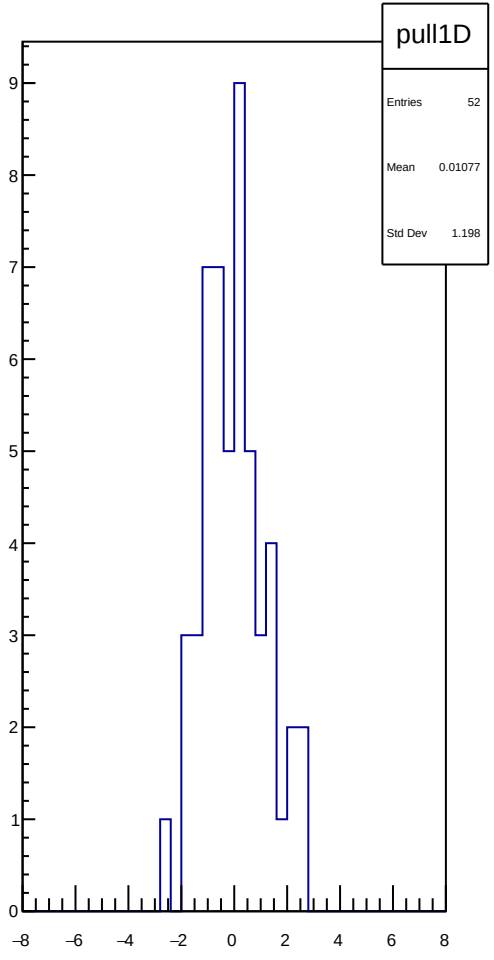
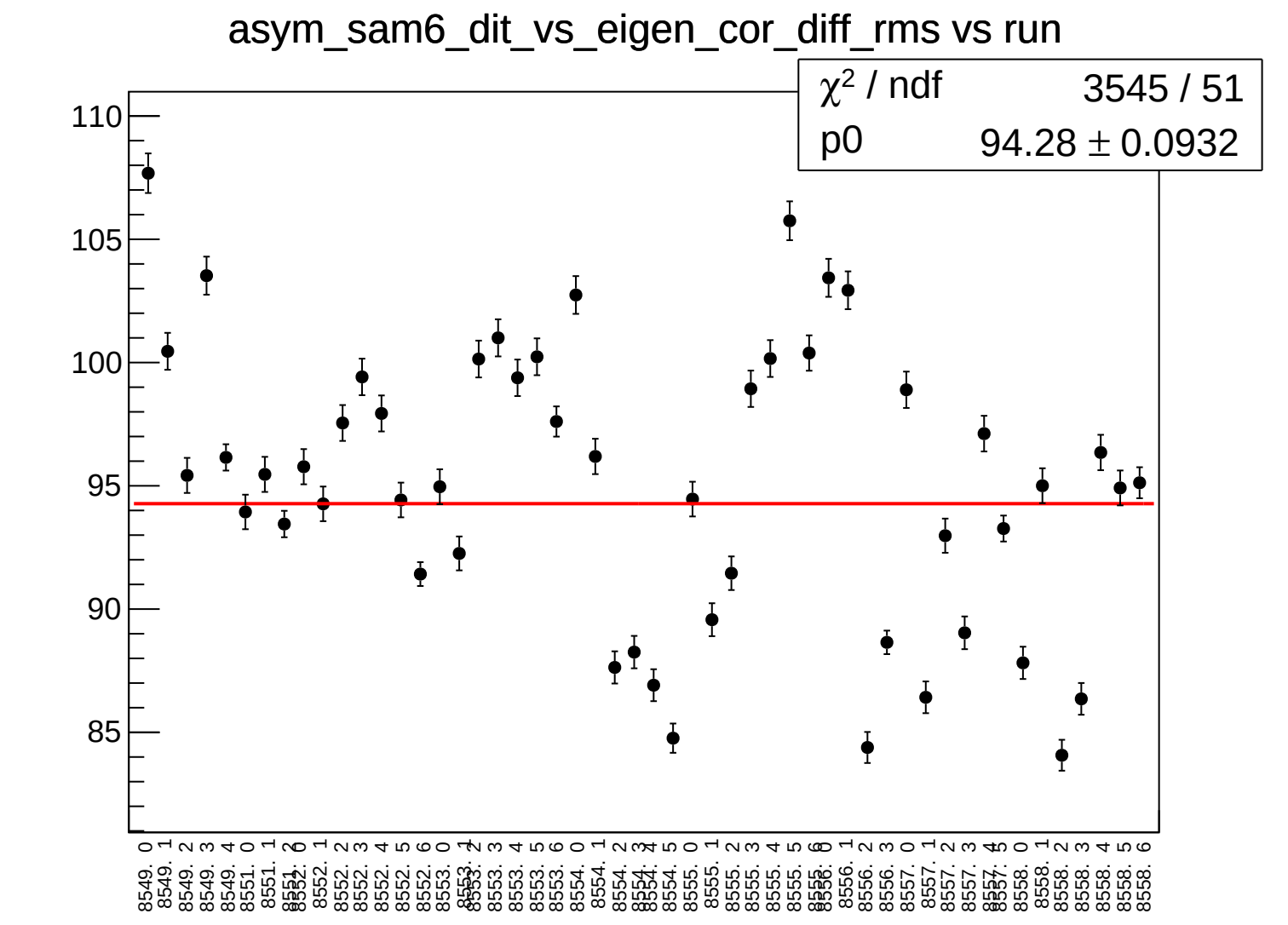
8558. 5
8558. 6


asym_sam6_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 74.65 / 51
p0 −0.2039 ± 0.1318
pull
Entries 52
Mean −323.6
Std Dev 0


pull1D
Entries 52
Mean 0.01077
Std Dev 1.198


asym_sam6_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 3545 / 51
p0 94.28 ± 0.0932
110
105
100
95
90
85
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
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8553. 0
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8556. 2
8556. 3
8557. 0
8557. 1
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8557. 3
8558. 0
8558. 1
8558. 2
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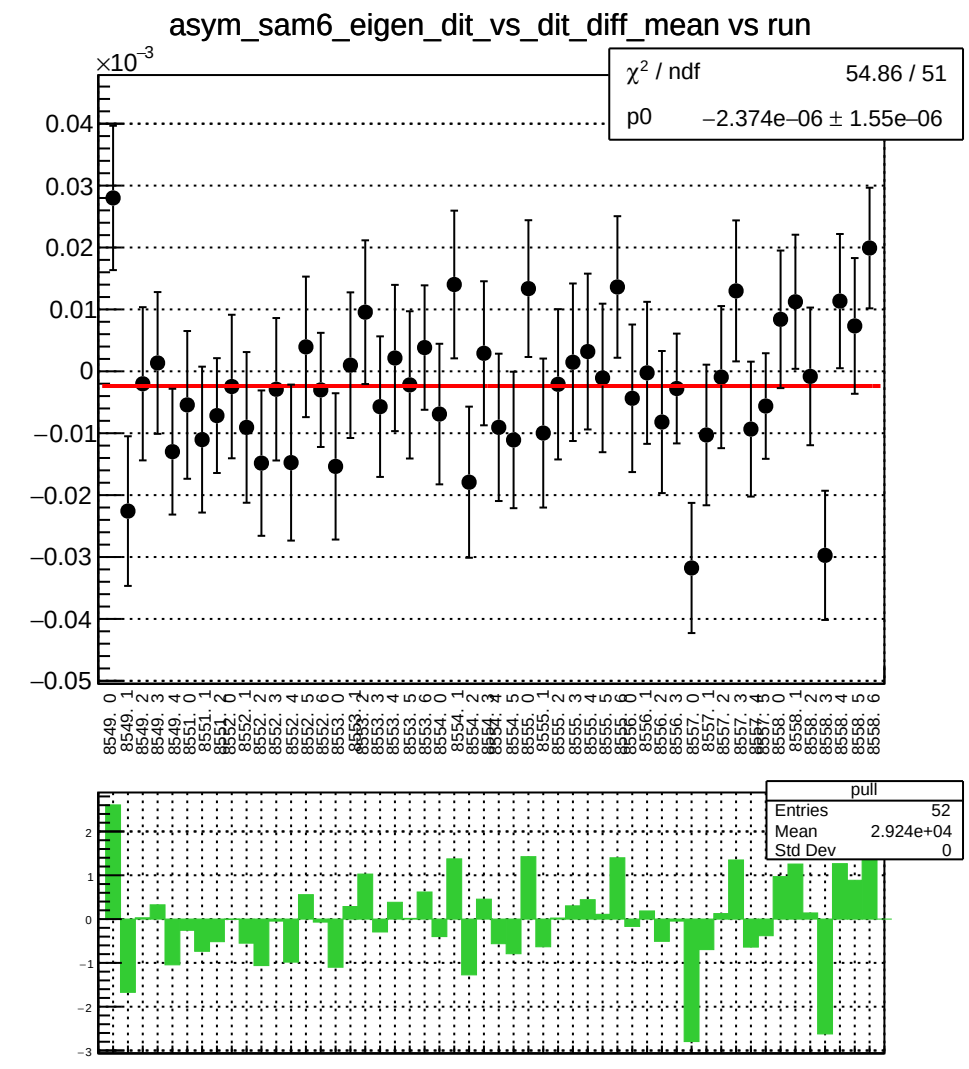
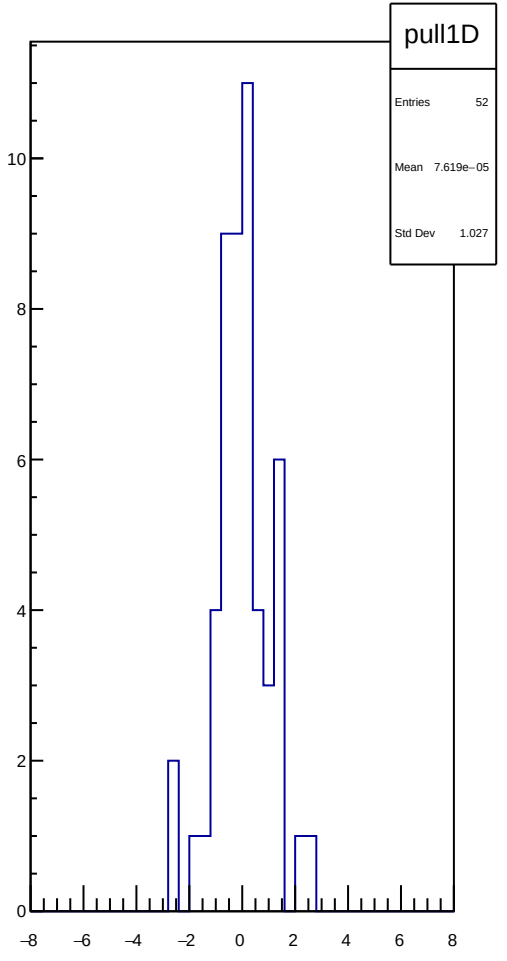
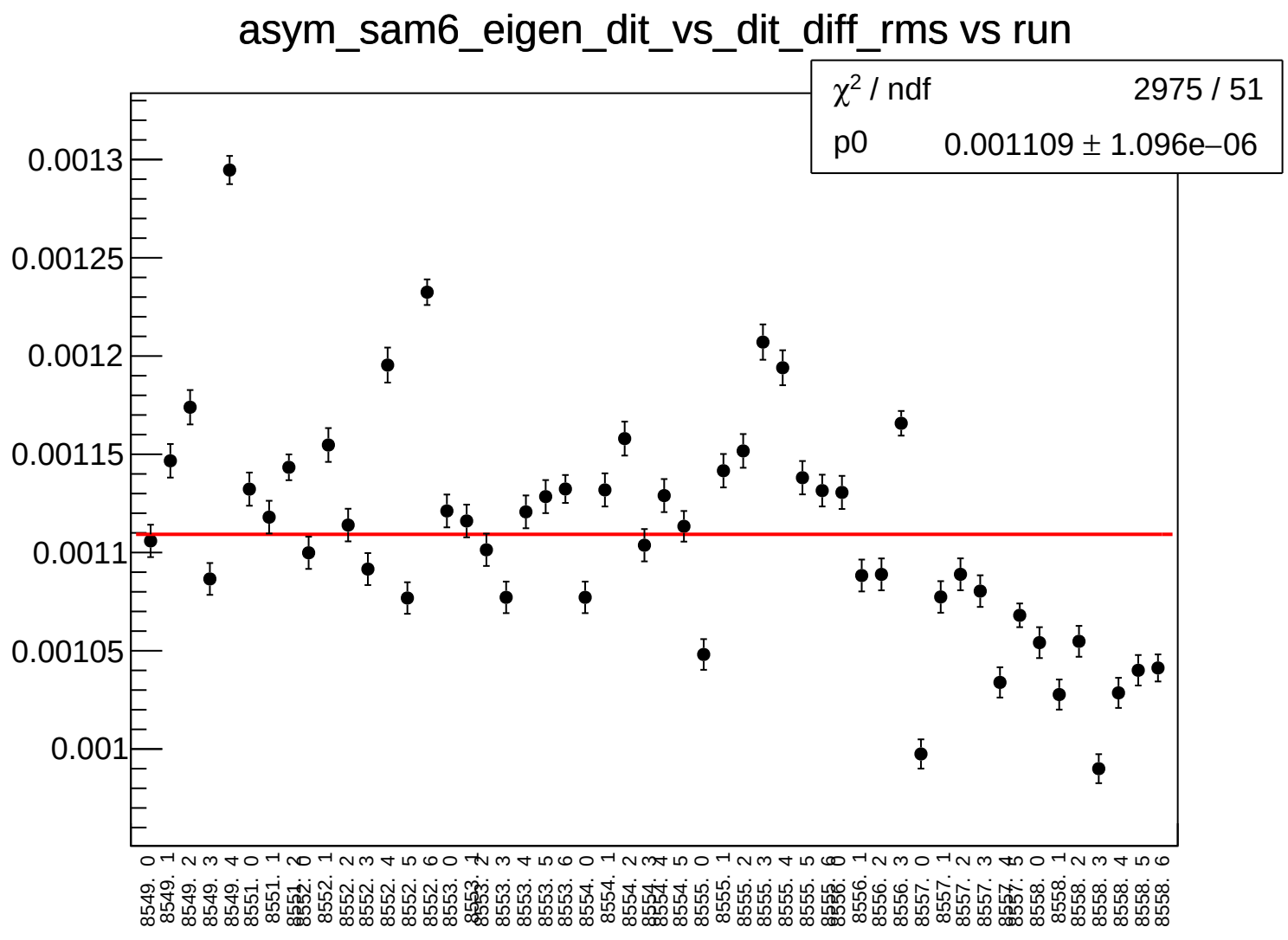
8558. 6


asym_sam6_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 54.86 / 51
p0 −2.374e−06 ± 1.55e−06
0.04
0.03
0.02
0.01
0
−0.01
−0.02
−0.03
−0.04
−0.05
pull
Entries 52
Mean 2.924e+04
Std Dev 0
2
1
0
−1
−2
−3


pull1D
Entries 52
Mean 7.619e−05
Std Dev 1.027
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


asym_sam6_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 2975 / 51
p0 0.001109 ± 1.096e−06
0.0013
0.00125
0.0012
0.00115
0.0011
0.00105
0.001
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
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8554. 1
8554. 2
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8556. 2
8556. 3
8557. 0
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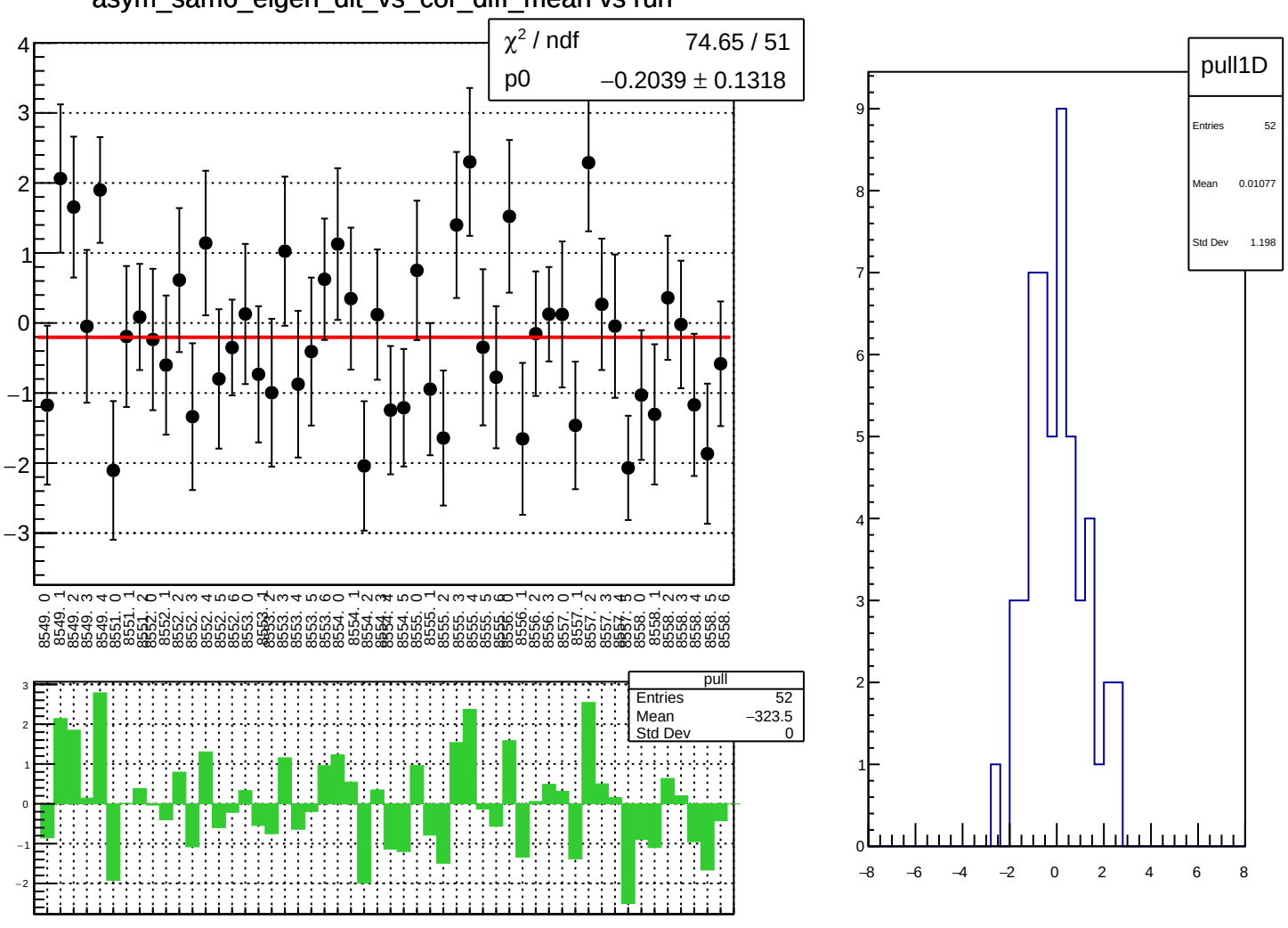
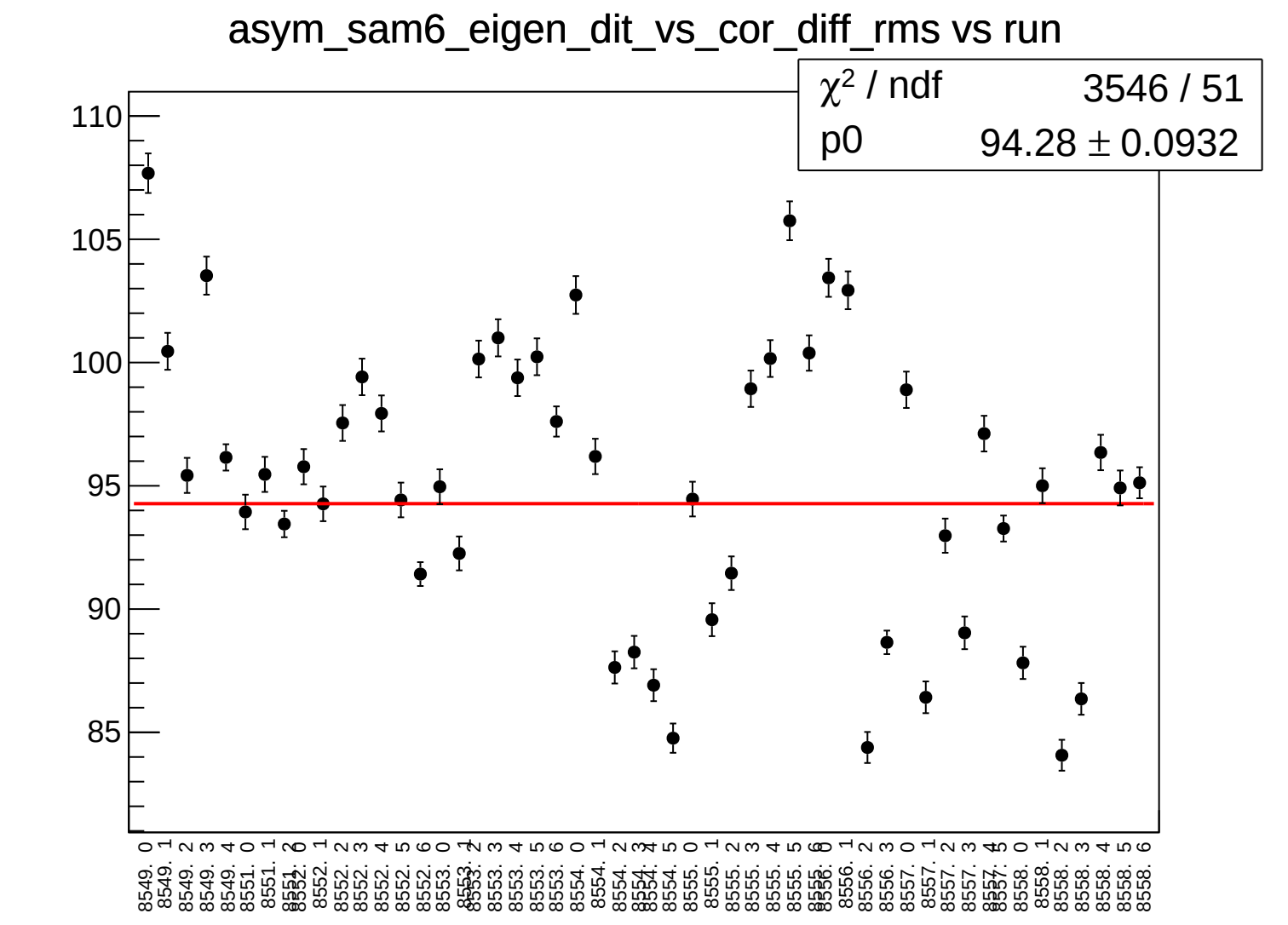
8558. 6


asym_sam6_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 74.65 / 51
p0 −0.2039 ± 0.1318
pull
Entries 52
Mean −323.5
Std Dev 0
pull1D
Entries 52
Mean 0.01077
Std Dev 1.198


asym_sam6_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 3546 / 51
p0 94.28 ± 0.0932
110
105
100
95
90
85
8549. 0
8549. 1
8549. 2
8549. 3
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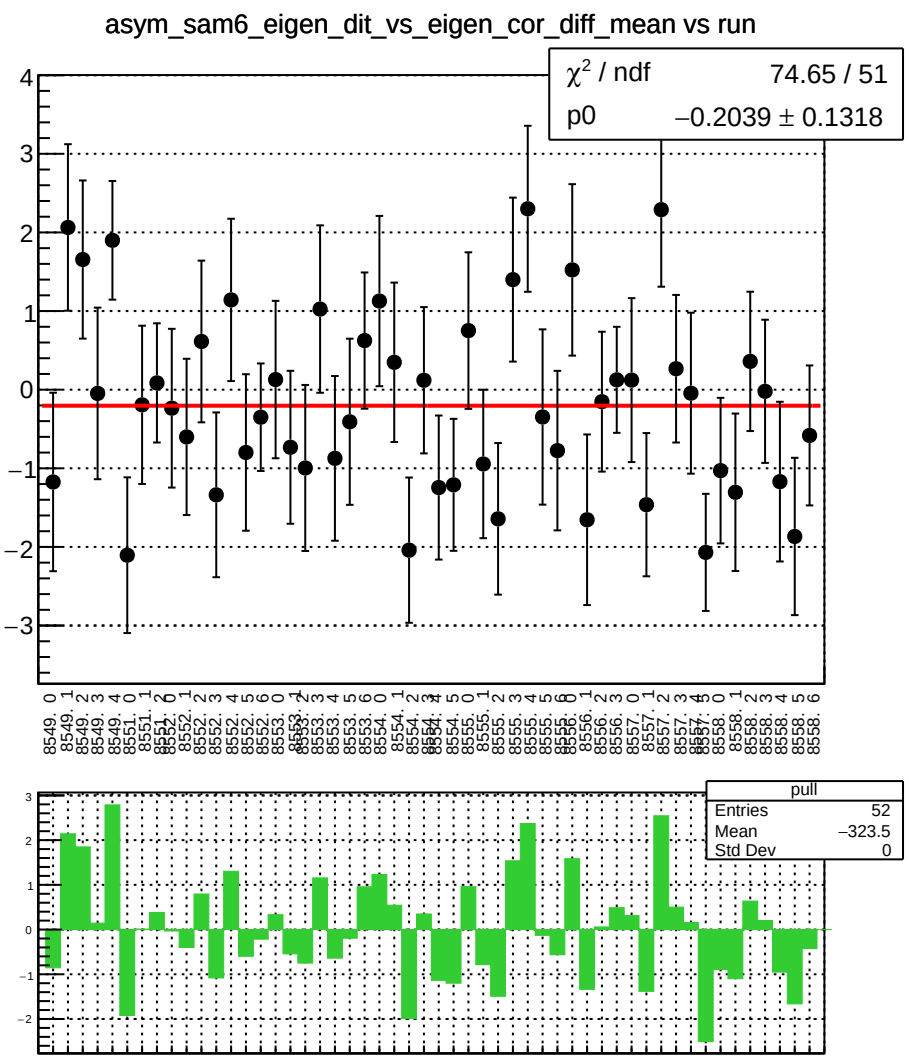
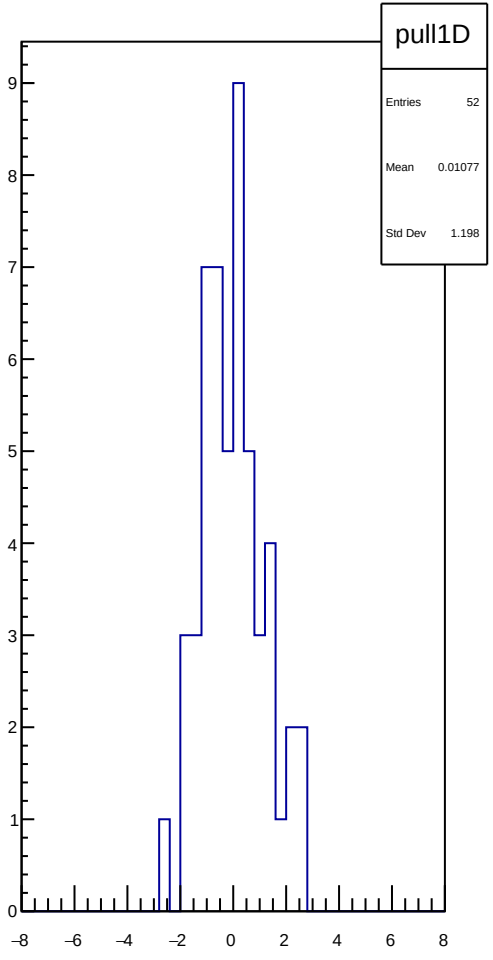
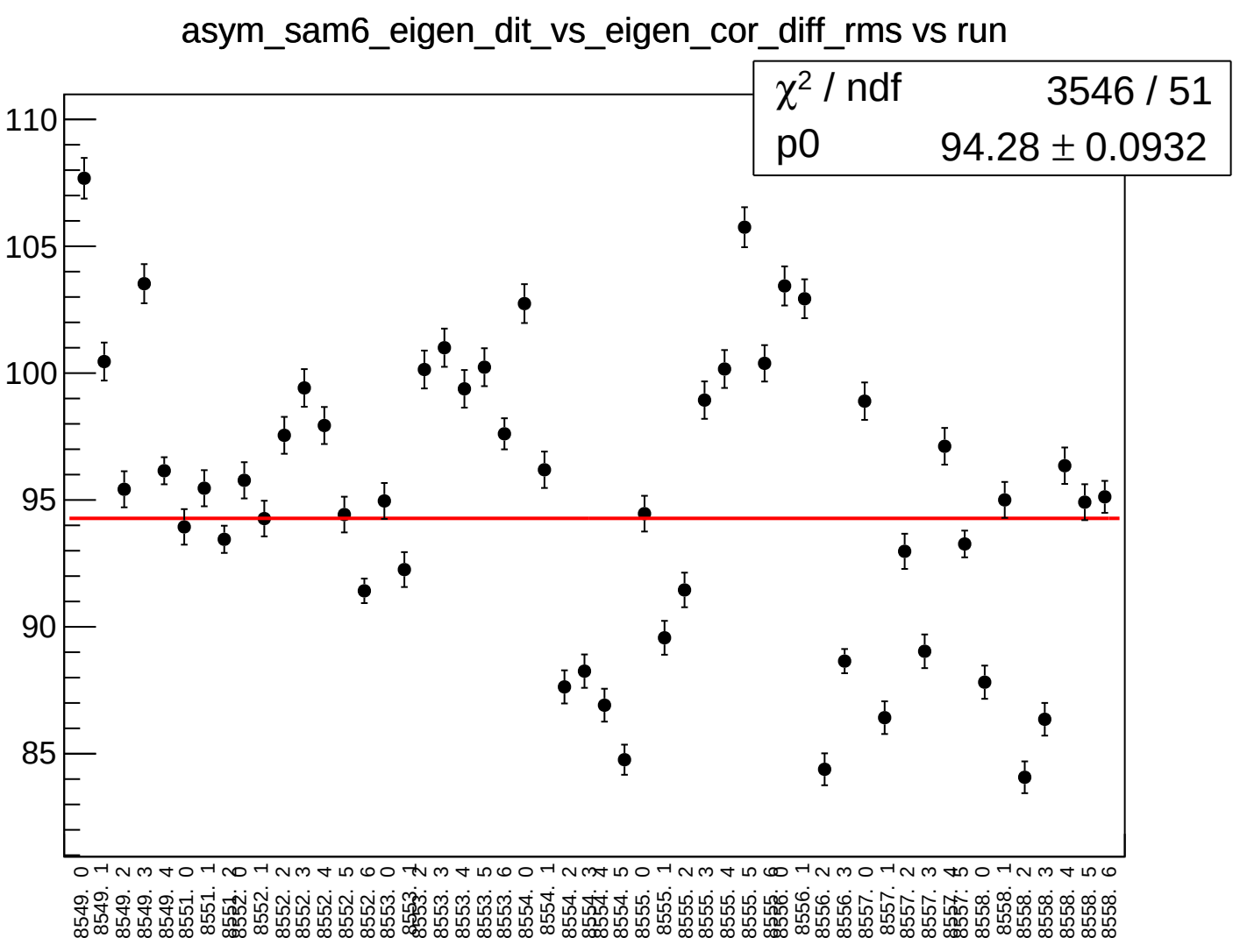
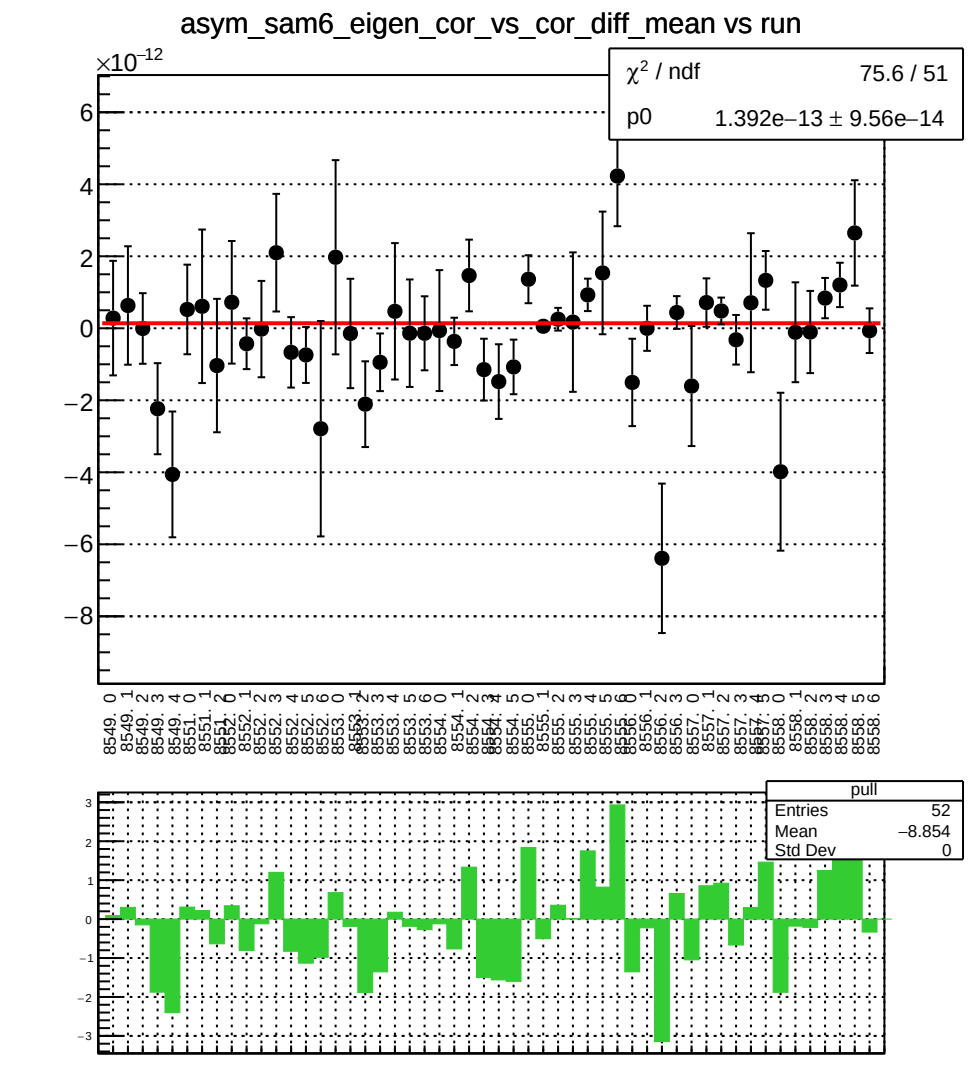
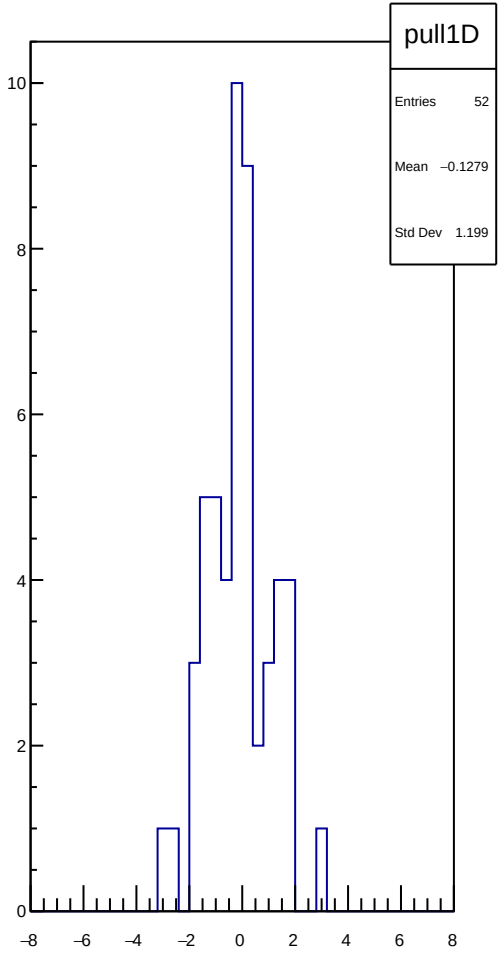
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

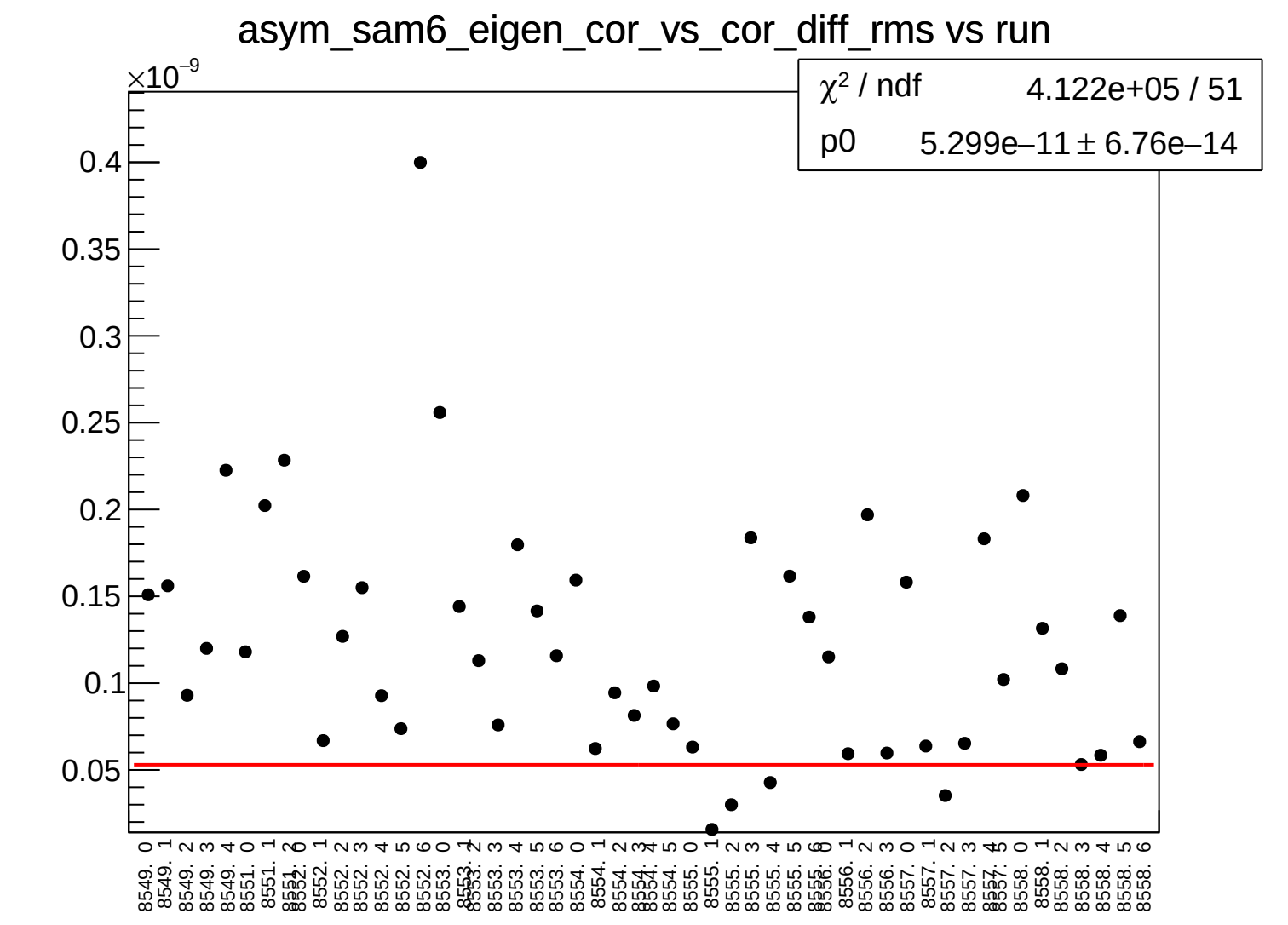

asym_sam6_eigen_dit_vs_eigen_cor_diff_mean vs run
χ^2 / ndf 74.65 / 51
p0 −0.2039 ± 0.1318
pull
Entries 52
Mean −323.5
Std Dev 0

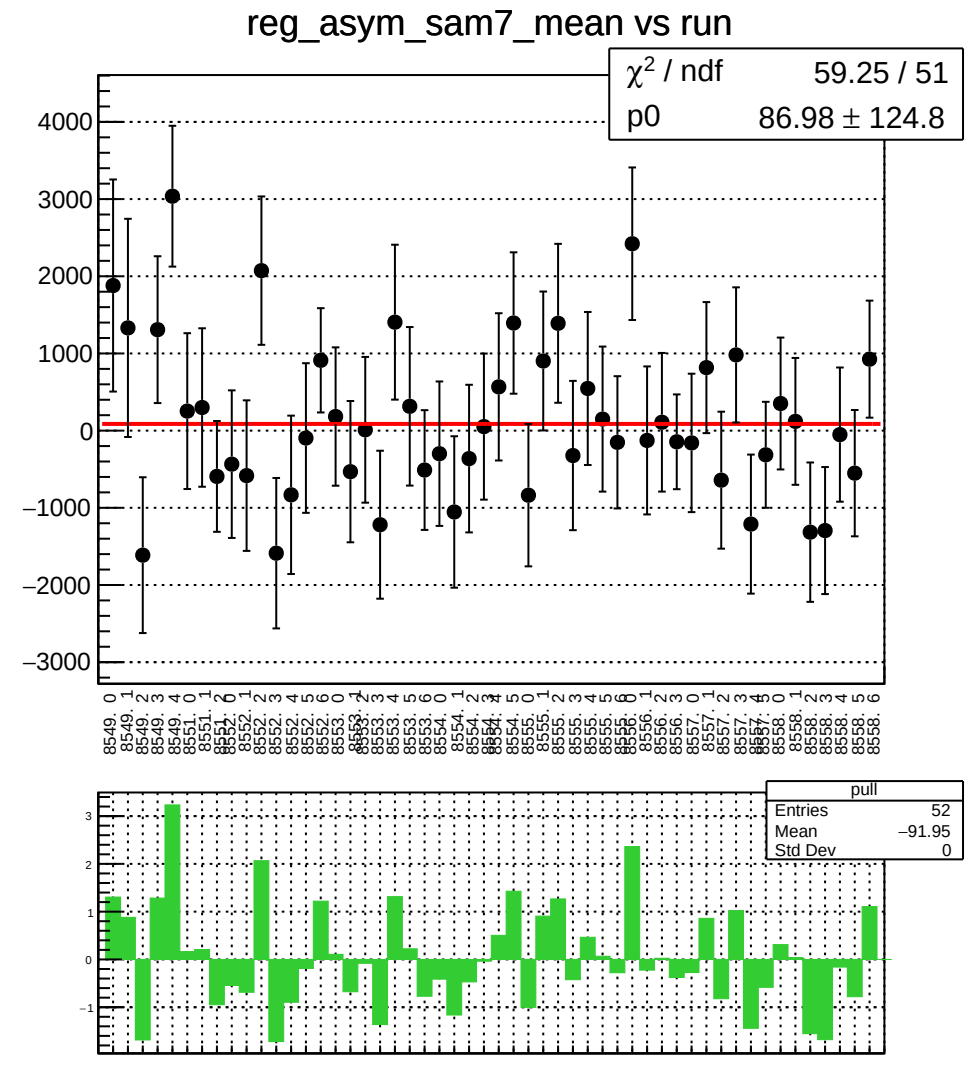

pull1D
Entries 52
Mean 0.01077
Std Dev 1.198

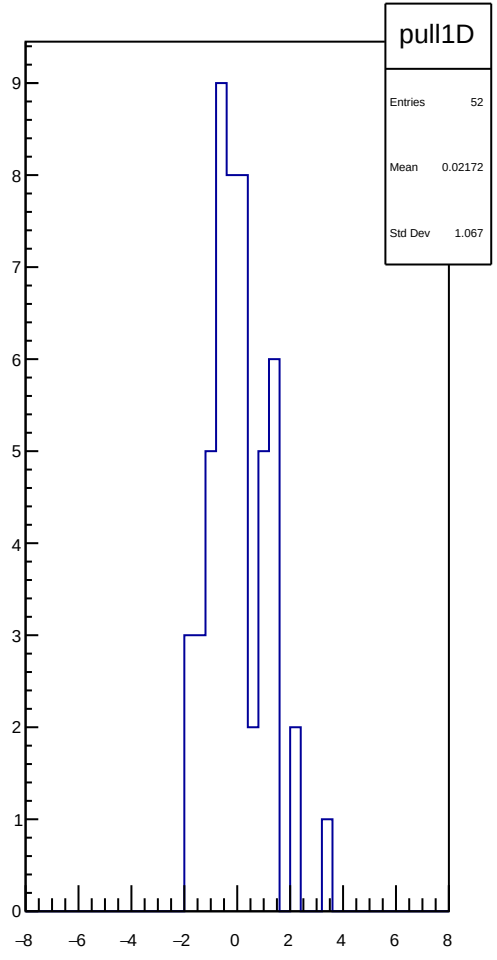

asym_sam6_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 3546 / 51
p0 94.28 ± 0.0932
110
105
100
95
90
85
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

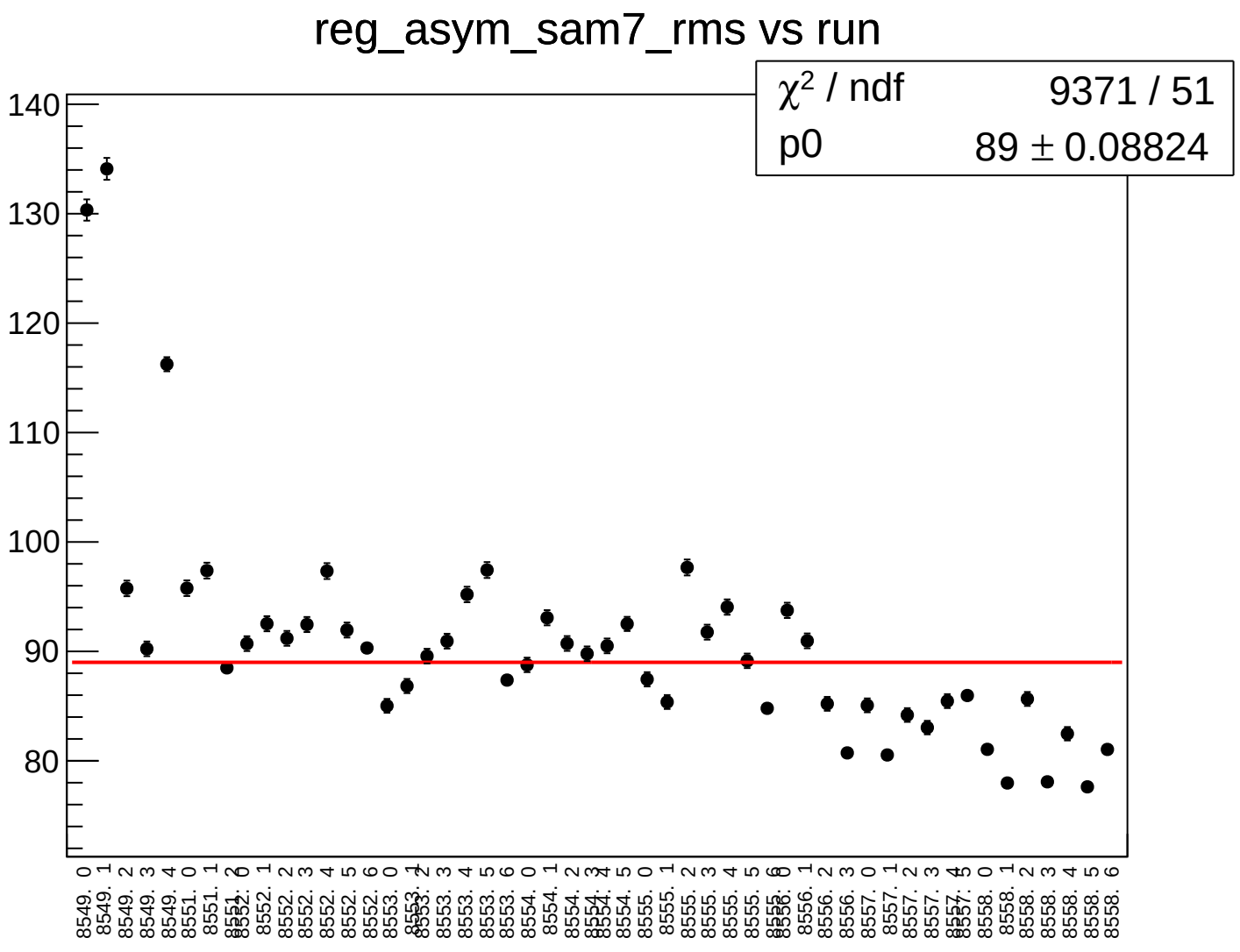

asym_sam6_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 75.6 / 51
p0 1.392e−13 ± 9.56e−14
pull
Entries 52
Mean −8.854
Std Dev 0

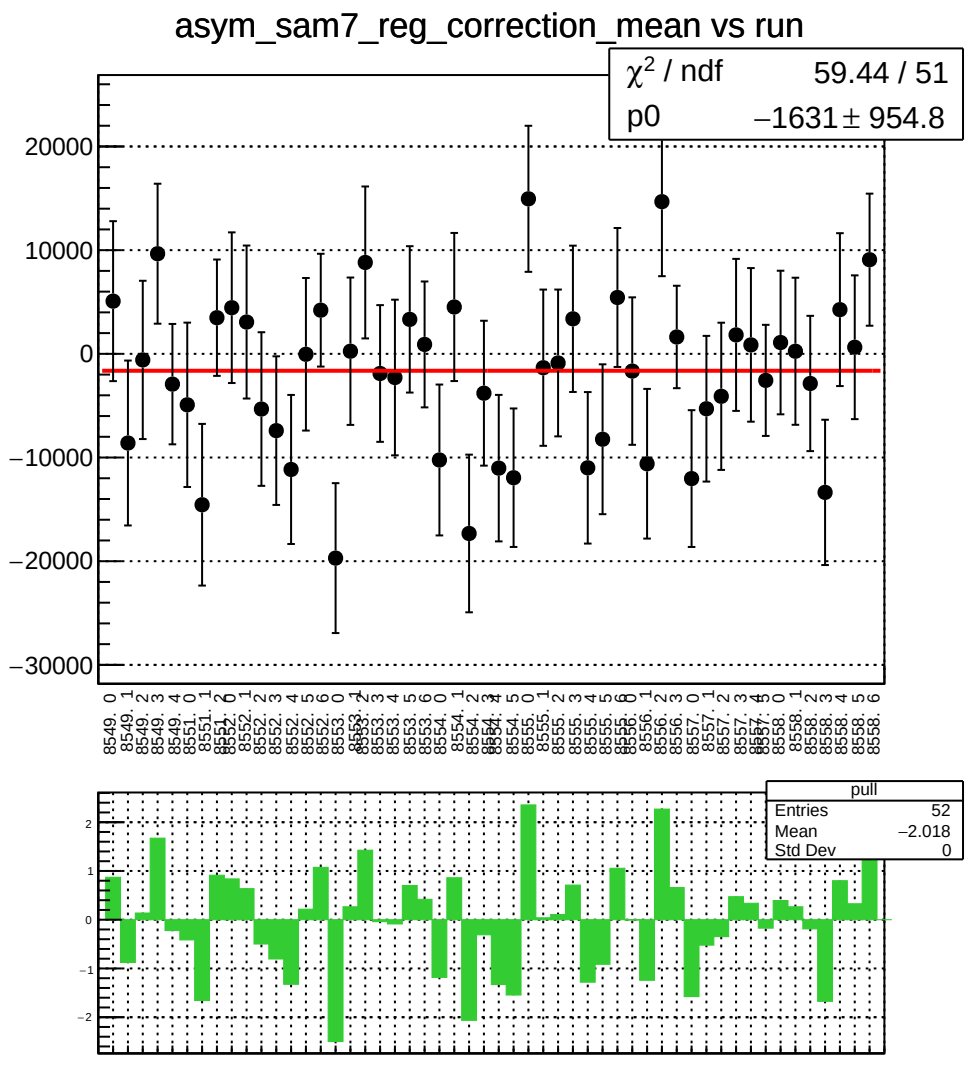

pull1D
Entries 52
Mean −0.1279
Std Dev 1.199

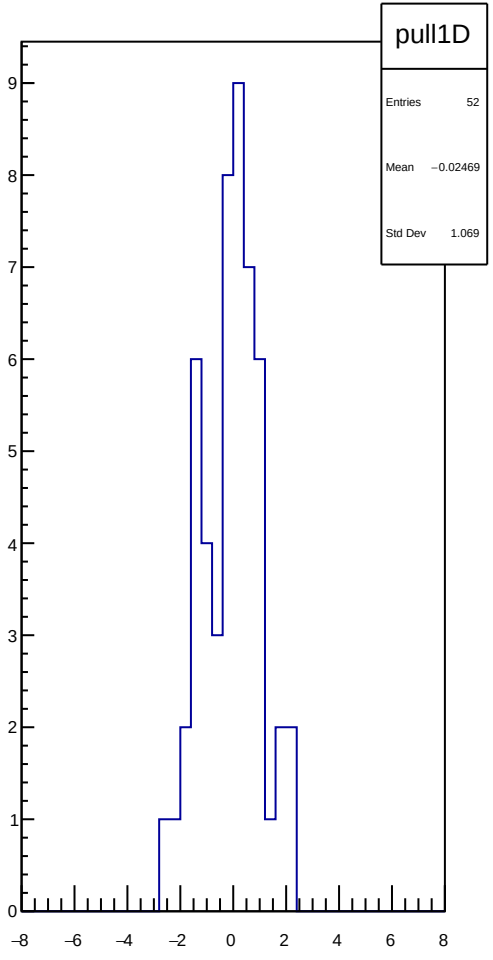

asym_sam6_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 4.122e+05 / 51
p0 5.299e−11 ± 6.76e−14
0.4
0.35
0.3
0.25
0.2
0.15
0.1
0.05
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 2
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

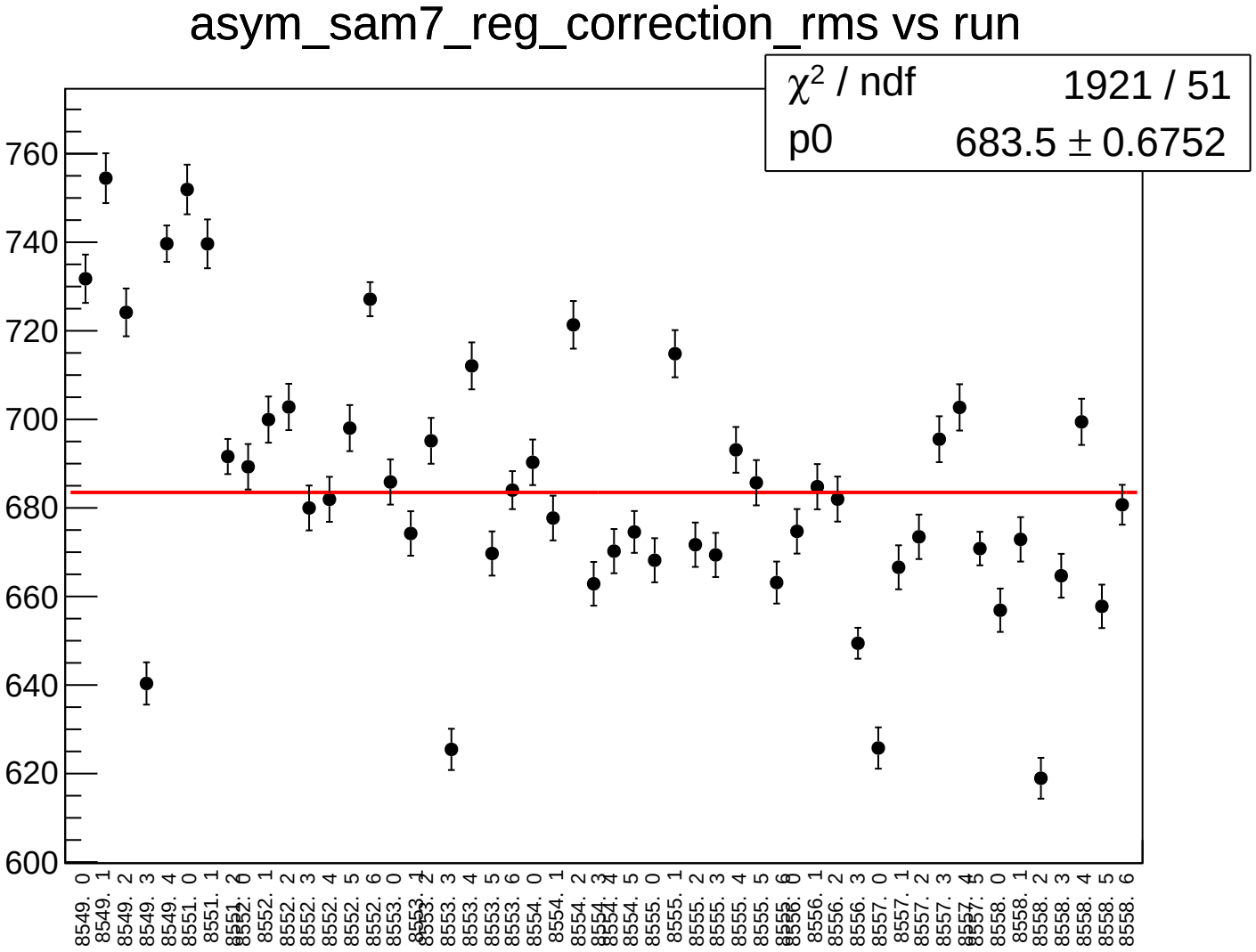

reg_asym_sam7_mean vs run
χ^2 / ndf 59.25 / 51
p0 86.98 ± 124.8
pull
Entries 52
Mean −91.95
Std Dev 0

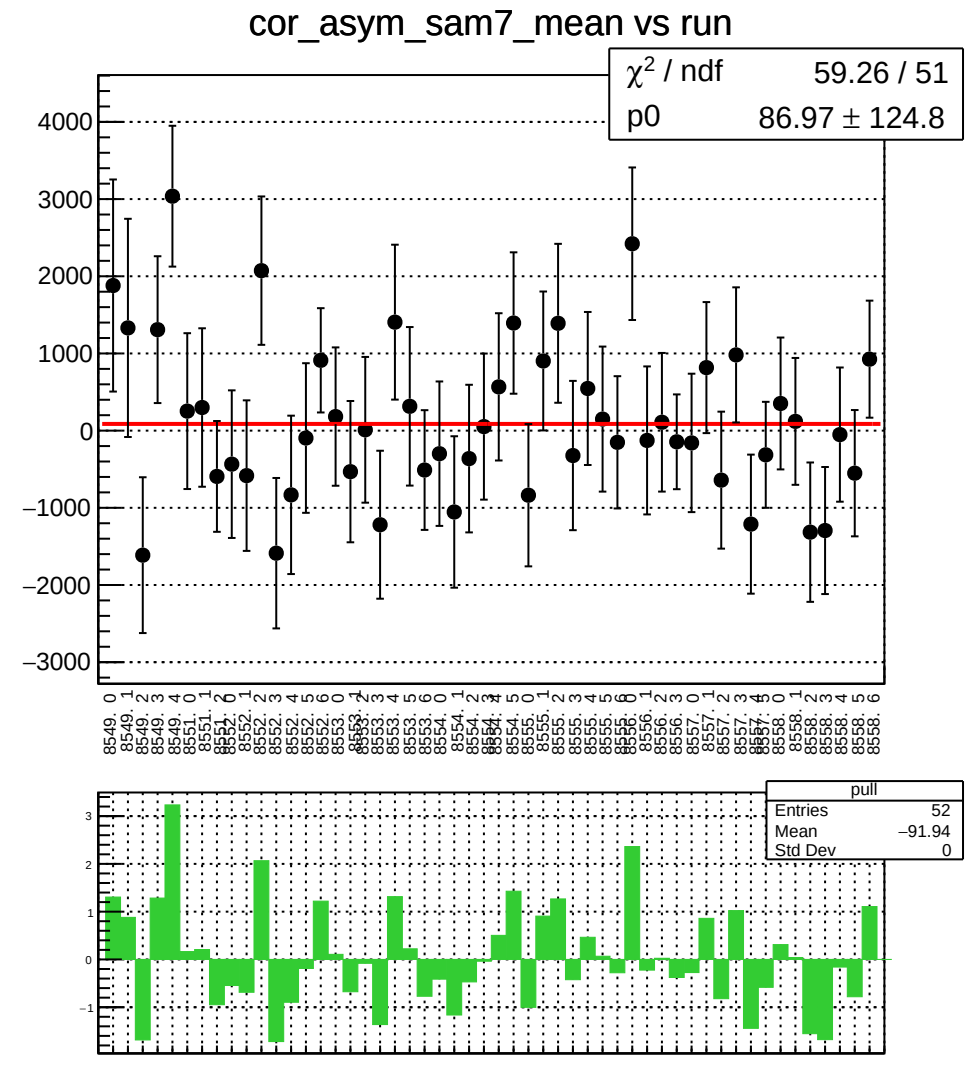

pull1D
Entries 52
Mean 0.02172
Std Dev 1.067

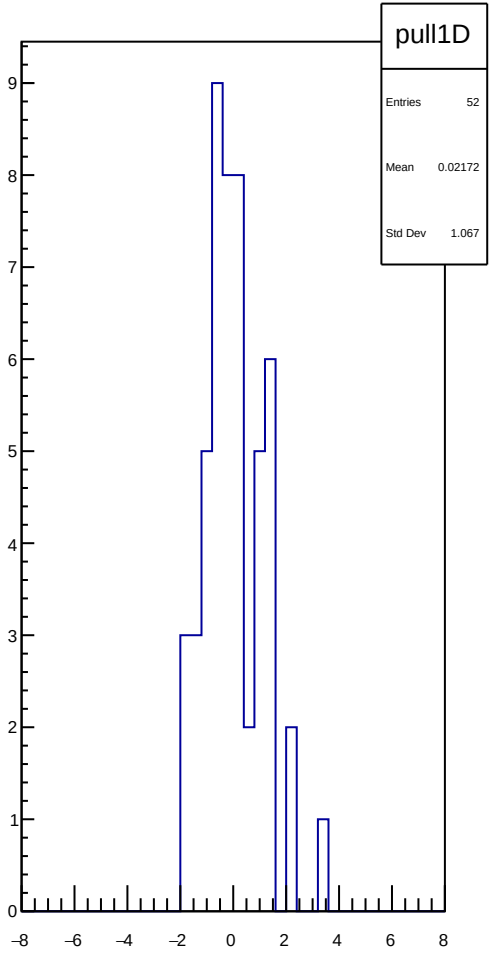

reg_asym_sam7_rms vs run
χ² / ndf 9371 / 51
p0 89 ± 0.08824
140
130
120
110
100
90
80
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 5
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

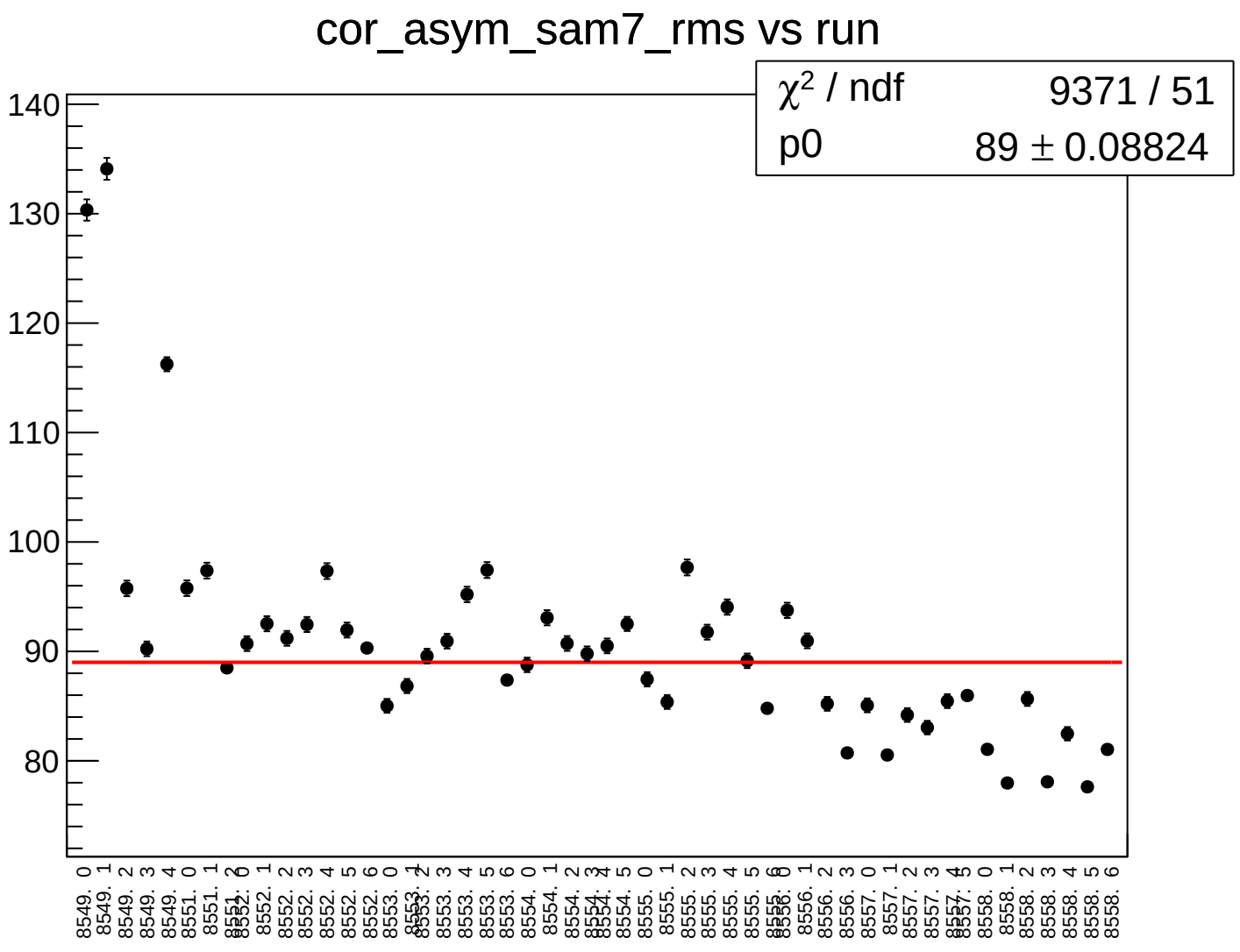

asym_sam7_reg_correction_mean vs run
χ² / ndf 59.44 / 51
p0 −1631 ± 954.8
pull
Entries 52
Mean −2.018
Std Dev 0


pull1D
Entries 52
Mean −0.02469
Std Dev 1.069


asym_sam7_reg_correction_rms vs run
χ² / ndf 1921 / 51
p0 683.5 ± 0.6752
760
740
720
700
680
660
640
620
600
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6


cor_asym_sam7_mean vs run
χ² / ndf 59.26 / 51
p0 86.97 ± 124.8
pull
Entries 52
Mean −91.94
Std Dev 0


pull1D
Entries 52
Mean 0.02172
Std Dev 1.067


cor_asym_sam7_rms vs run
χ² / ndf 9371 / 51
p0 89 ± 0.08824
140
130
120
110
100
90
80
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
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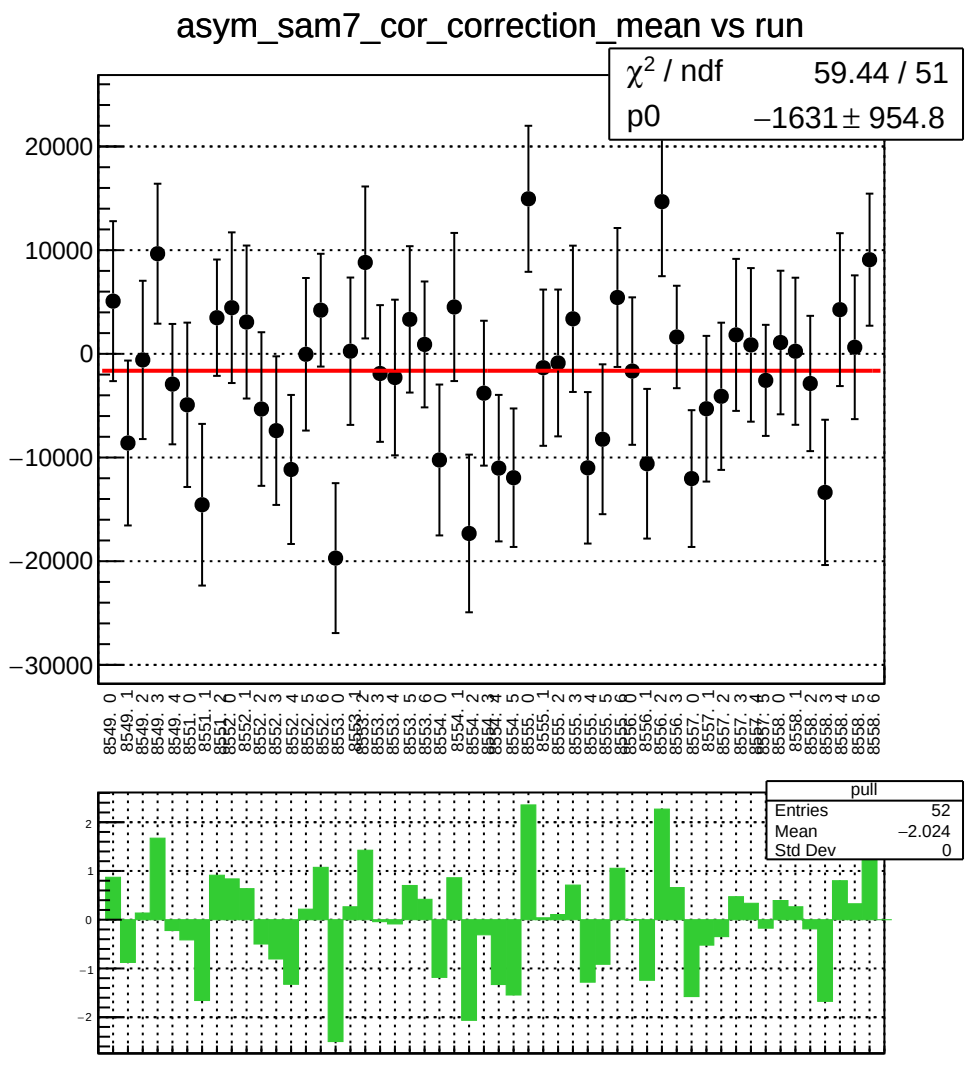
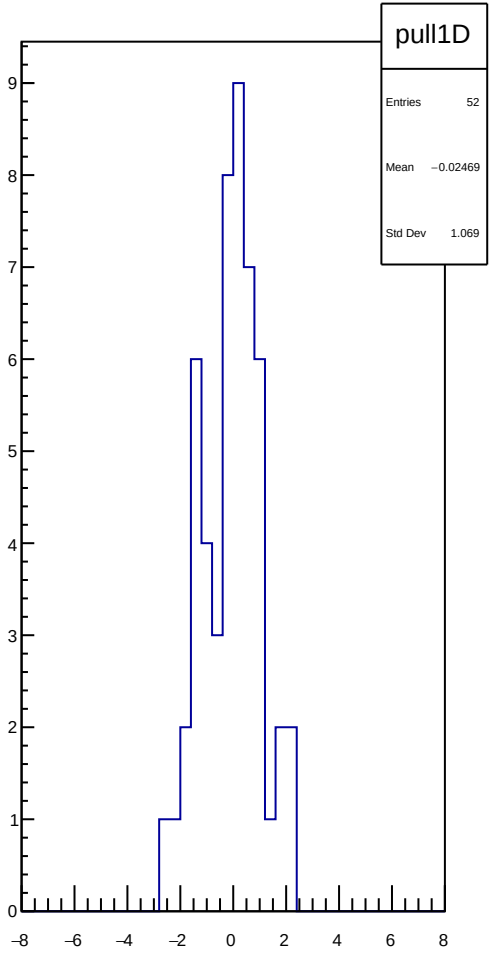
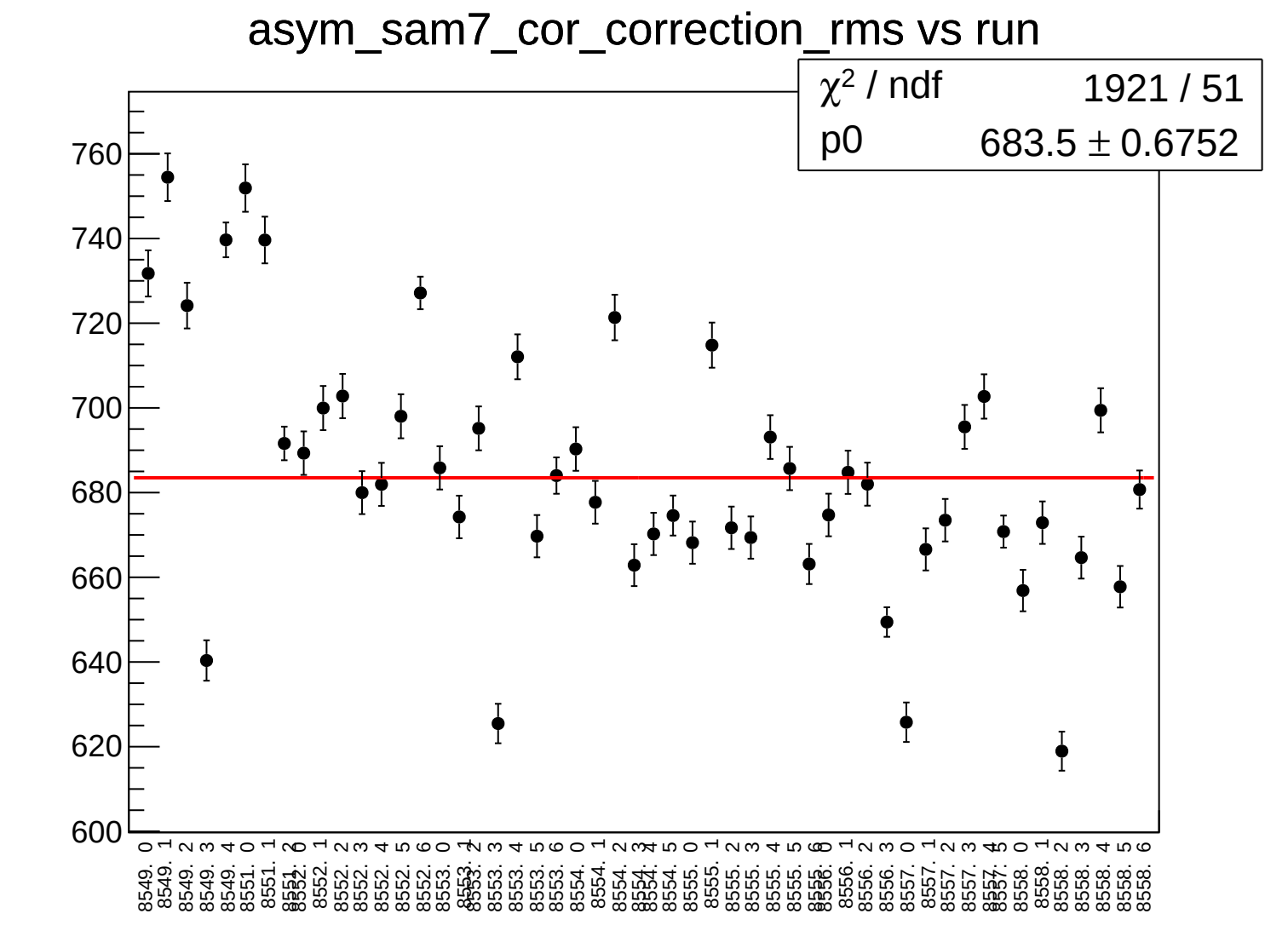
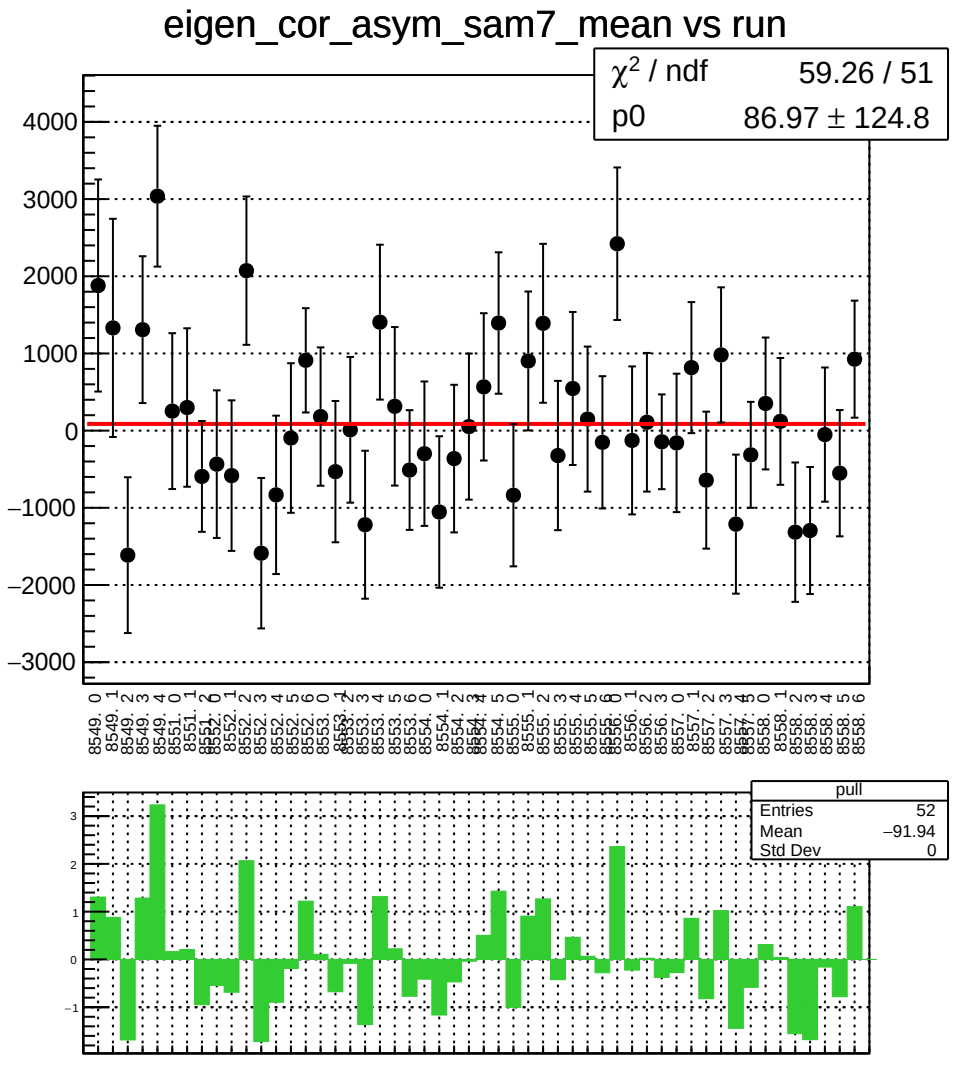
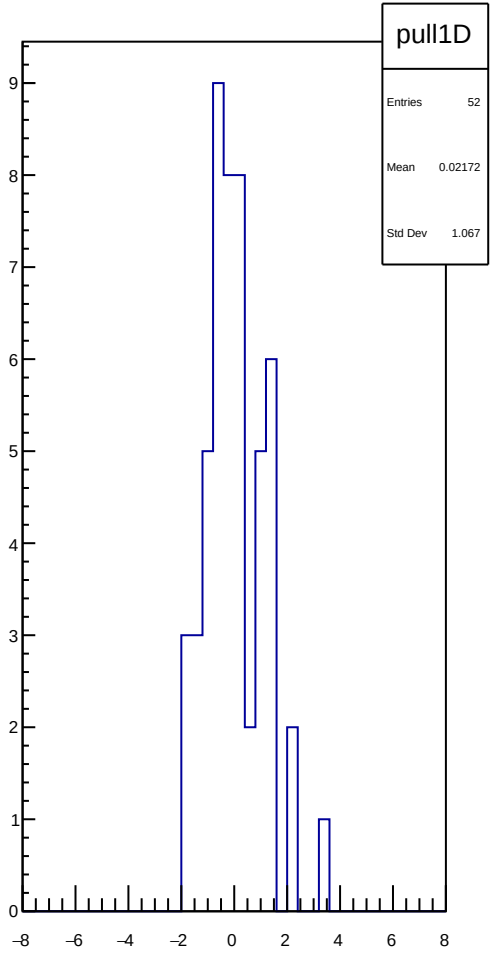
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

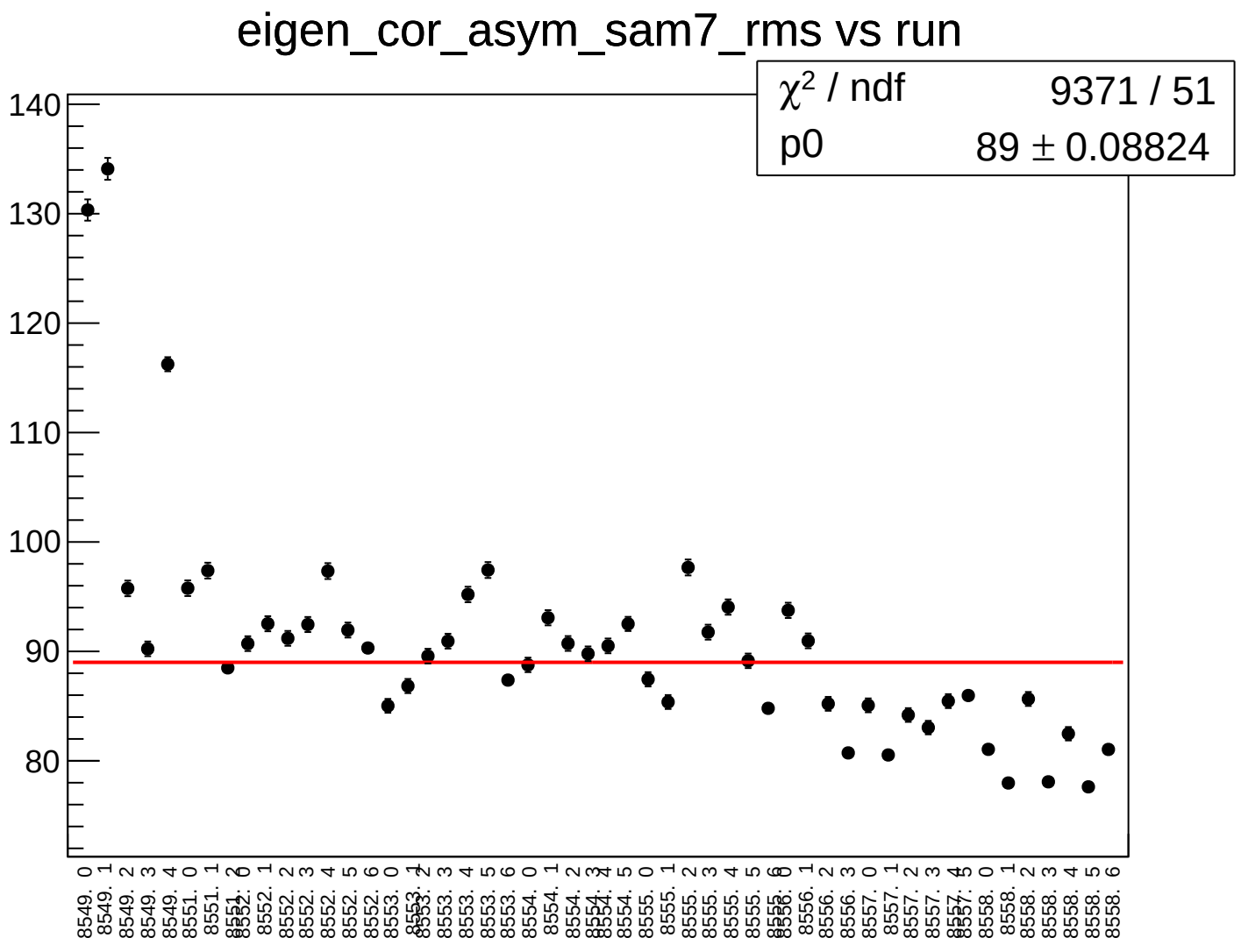

asym_sam7_cor_correction_mean vs run
χ² / ndf 59.44 / 51
p0 −1631 ± 954.8
20000
10000
0
−10000
−20000
−30000
pull
Entries 52
Mean −2.024
Std Dev 0
2
1
0
−1
−2

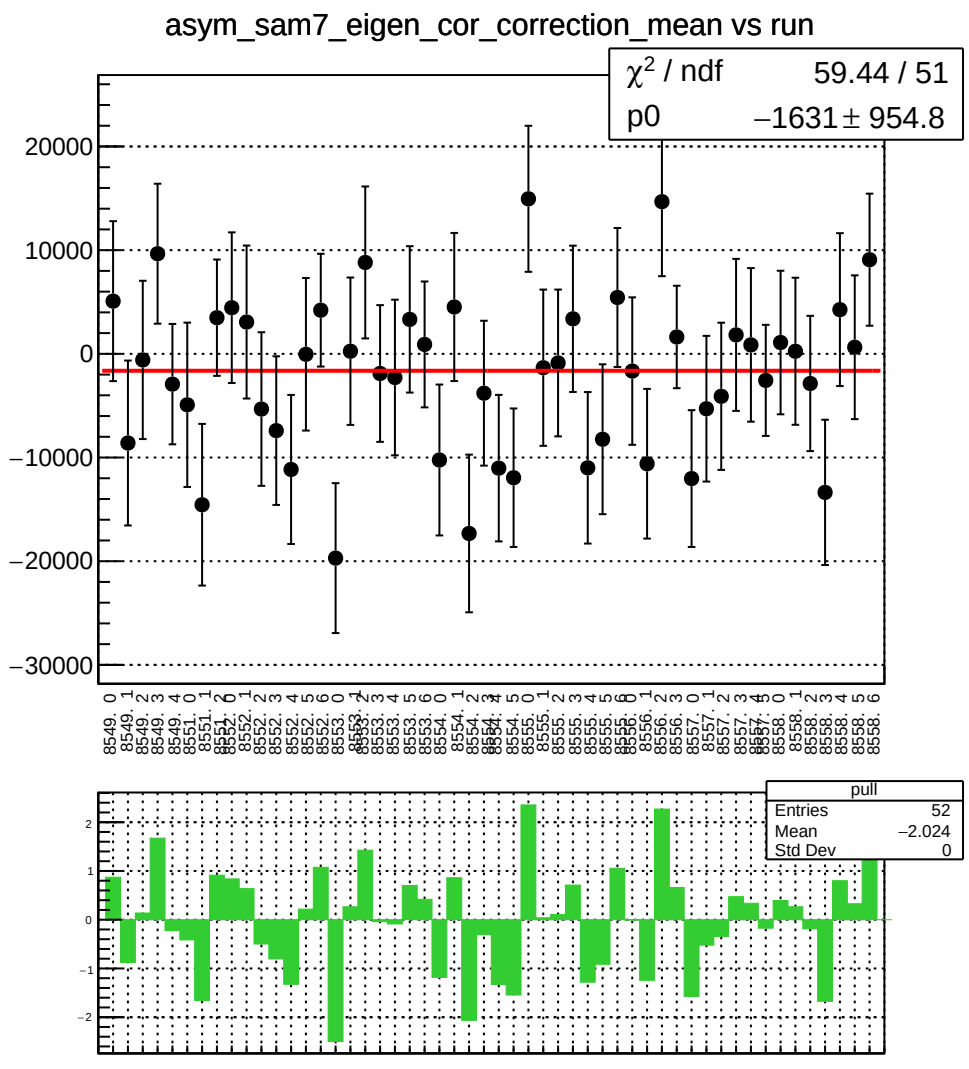

pull1D
Entries 52
Mean −0.02469
Std Dev 1.069
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

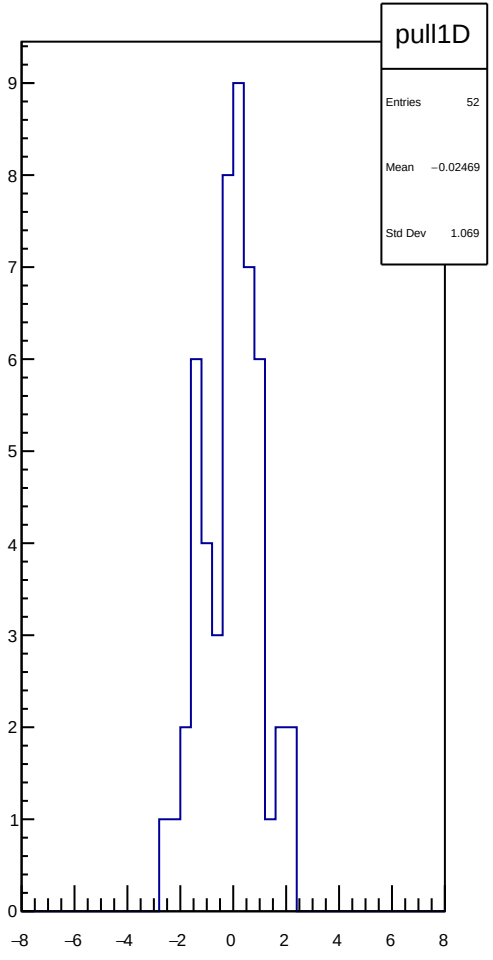

asym_sam7_cor_correction_rms vs run
χ² / ndf 1921 / 51
p0 683.5 ± 0.6752
760
740
720
700
680
660
640
620
600
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

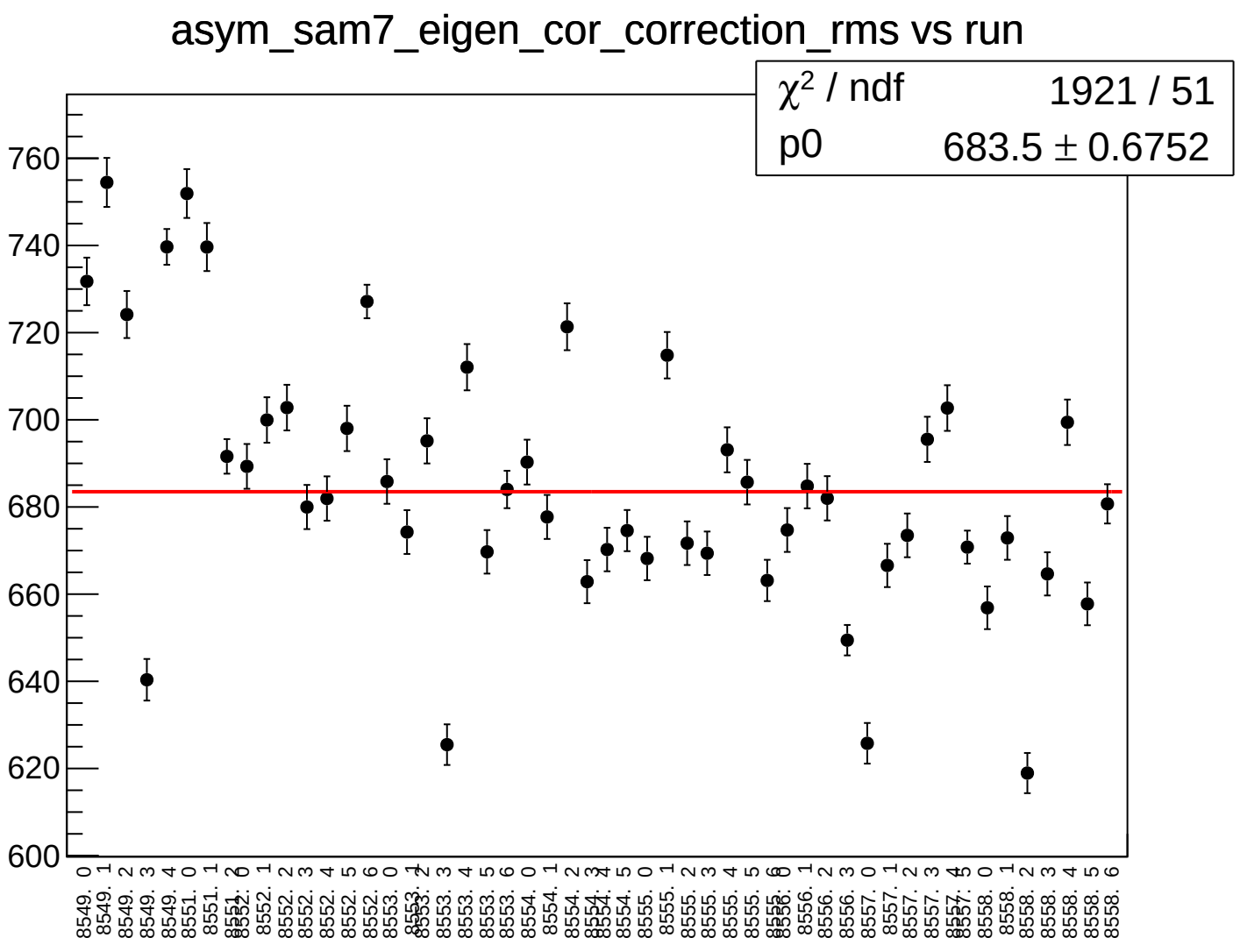

eigen_cor_asym_sam7_mean vs run
χ² / ndf 59.26 / 51
p0 86.97 ± 124.8
pull
Entries 52
Mean −91.94
Std Dev 0


pull1D
Entries 52
Mean 0.02172
Std Dev 1.067


eigen_cor_asym_sam7_rms vs run
χ² / ndf 9371 / 51
p0 89 ± 0.08824
140
130
120
110
100
90
80
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 5
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6


asym_sam7_eigen_cor_correction_mean vs run
χ² / ndf 59.44 / 51
p0 −1631 ± 954.8
20000
10000
0
−10000
−20000
−30000
pull
Entries 52
Mean −2.024
Std Dev 0
2
1
0
−1
−2


pull1D
Entries 52
Mean −0.02469
Std Dev 1.069
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


asym_sam7_eigen_cor_correction_rms vs run
χ² / ndf 1921 / 51
p0 683.5 ± 0.6752
760
740
720
700
680
660
640
620
600
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
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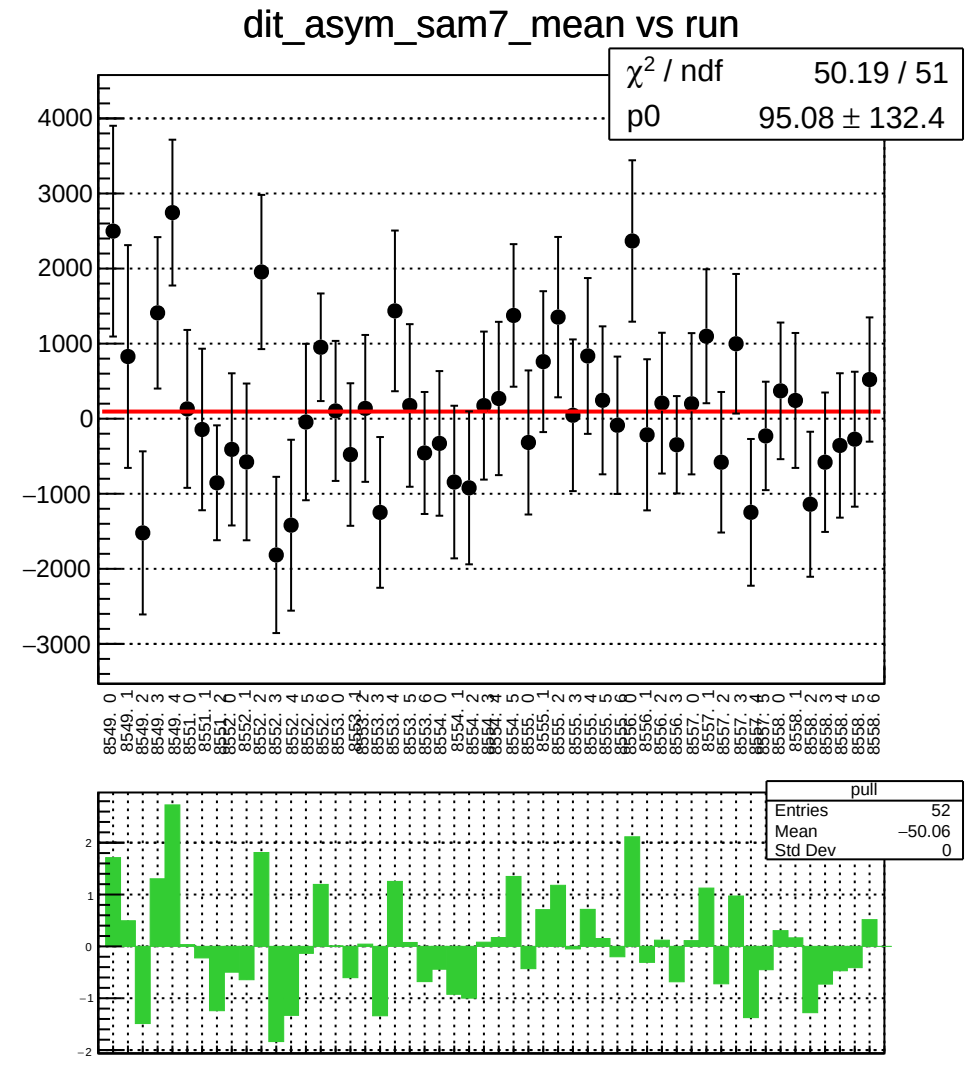
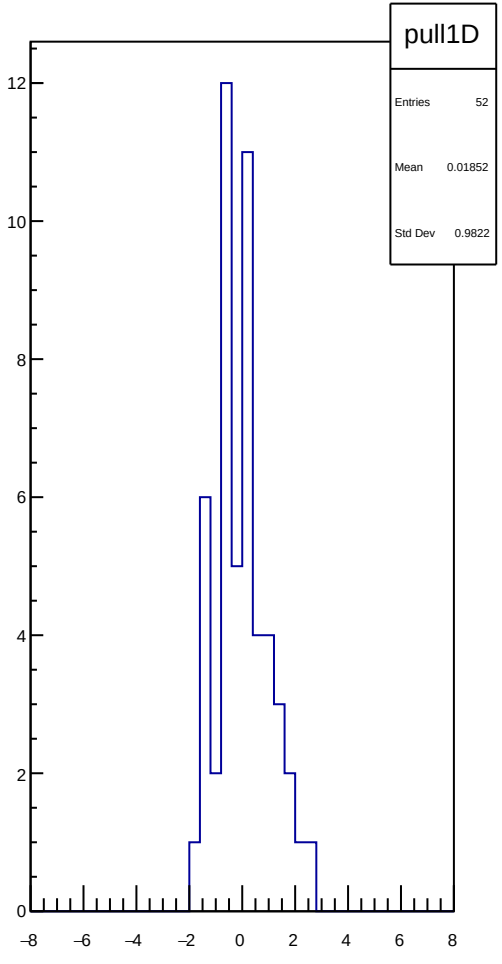
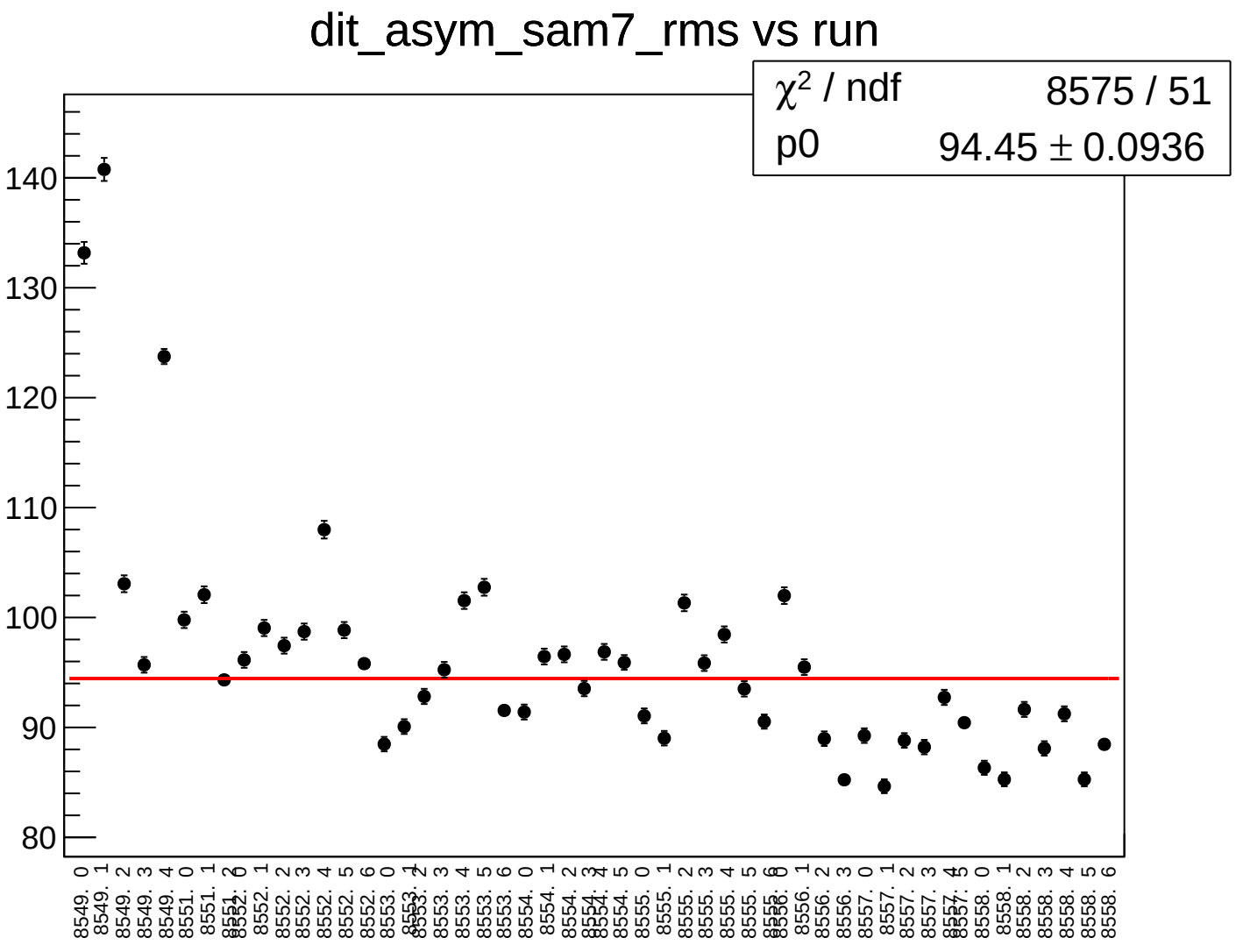
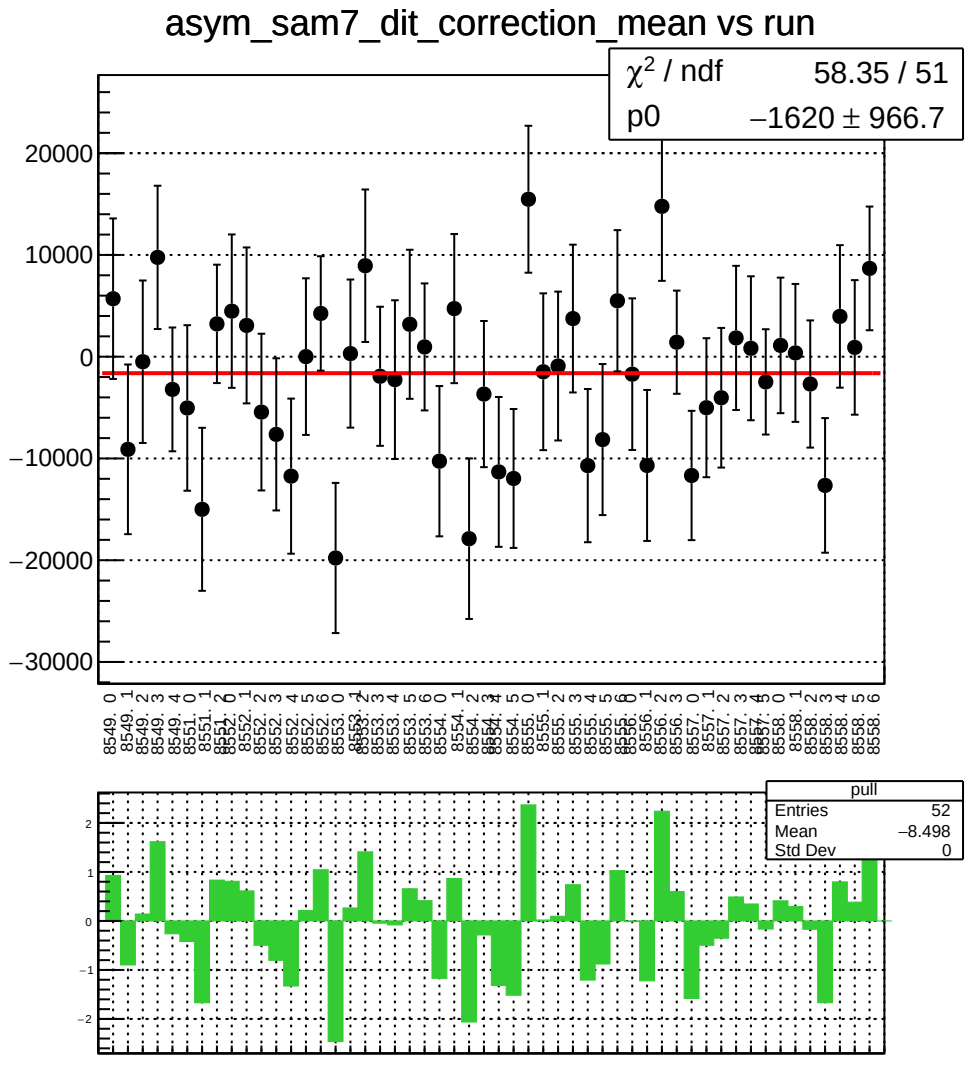
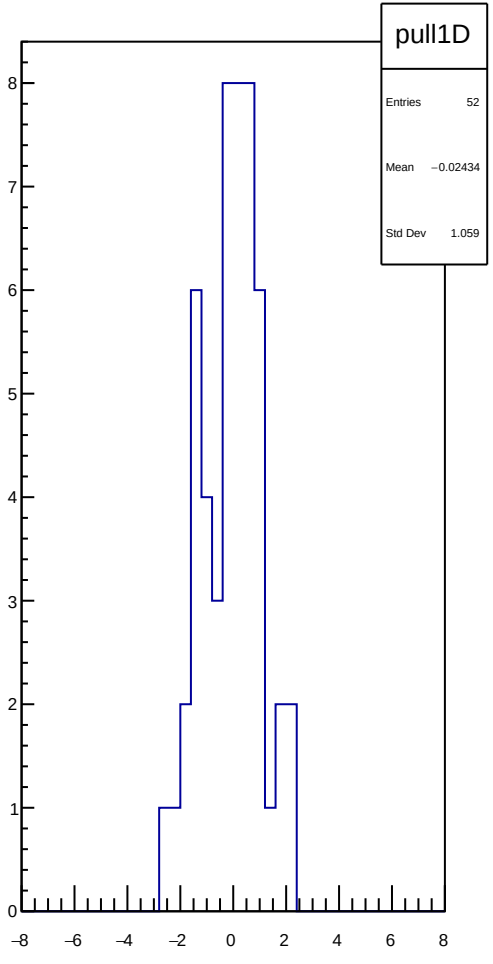
8558. 5
8558. 6

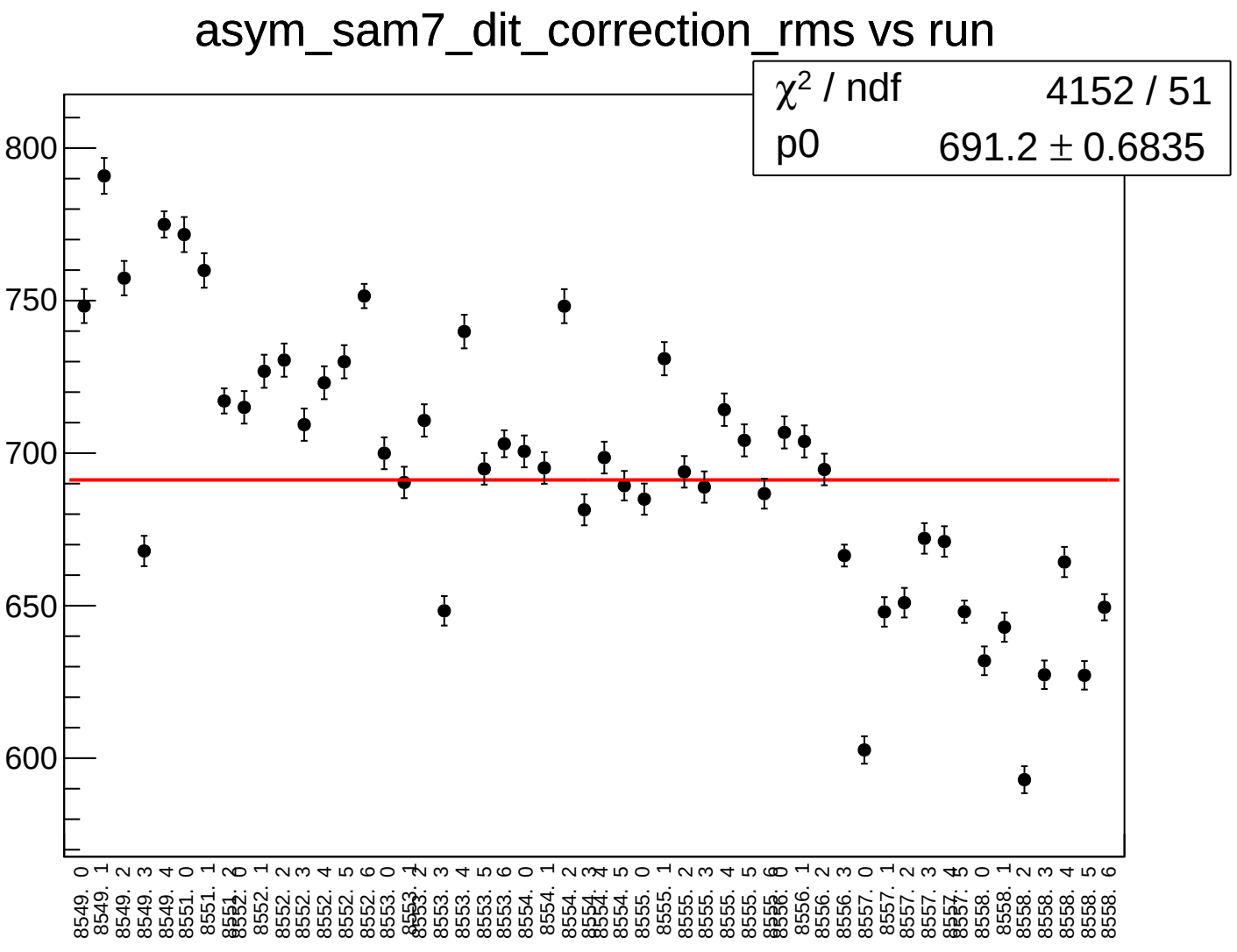

dit_asym_sam7_mean vs run
χ^2 / ndf 50.19 / 51
p0 95.08 ± 132.4
pull
Entries 52
Mean −50.06
Std Dev 0

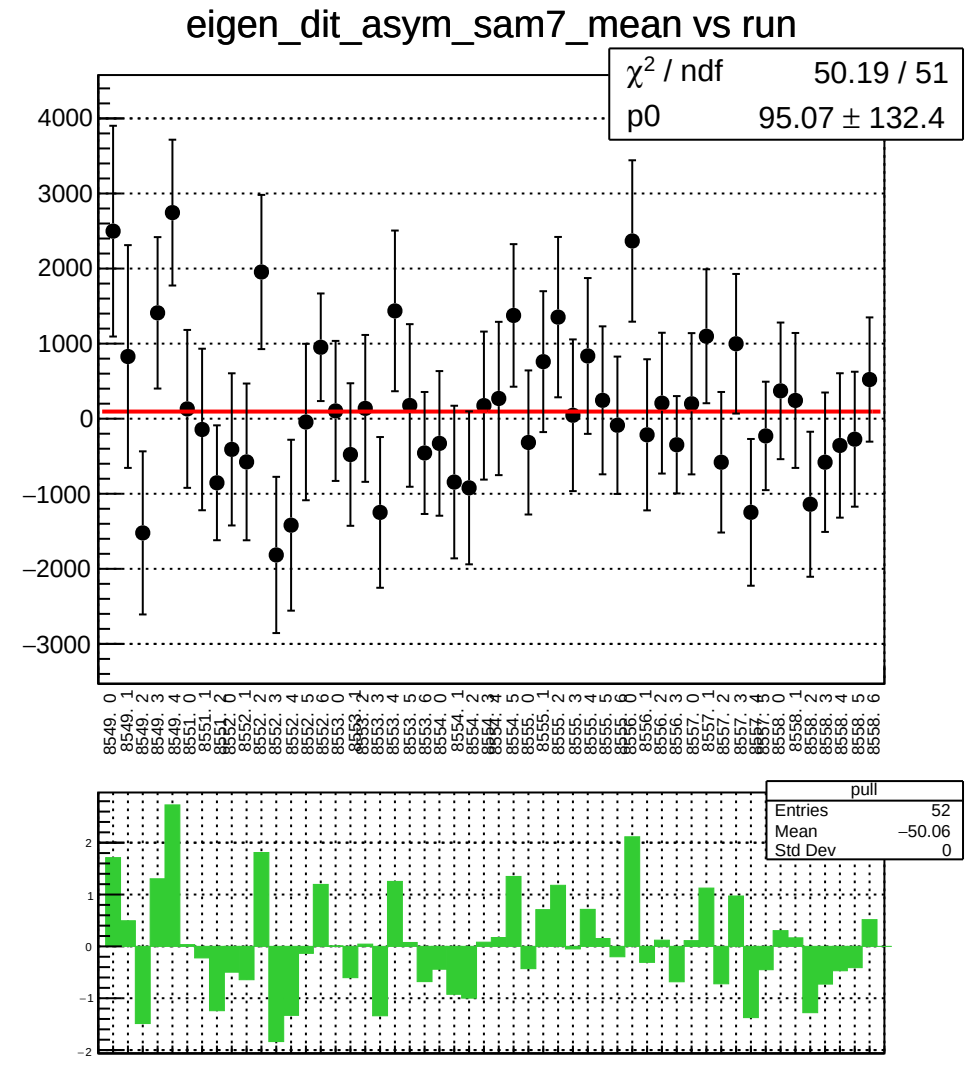

pull1D
Entries 52
Mean 0.01852
Std Dev 0.9822

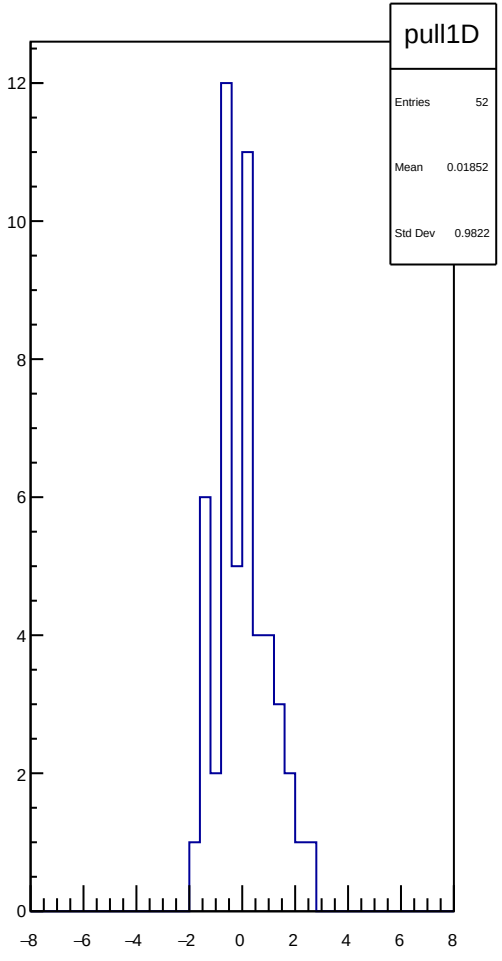

dit_asym_sam7_rms vs run
χ² / ndf 8575 / 51
p0 94.45 ± 0.0936
140
130
120
110
100
90
80
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

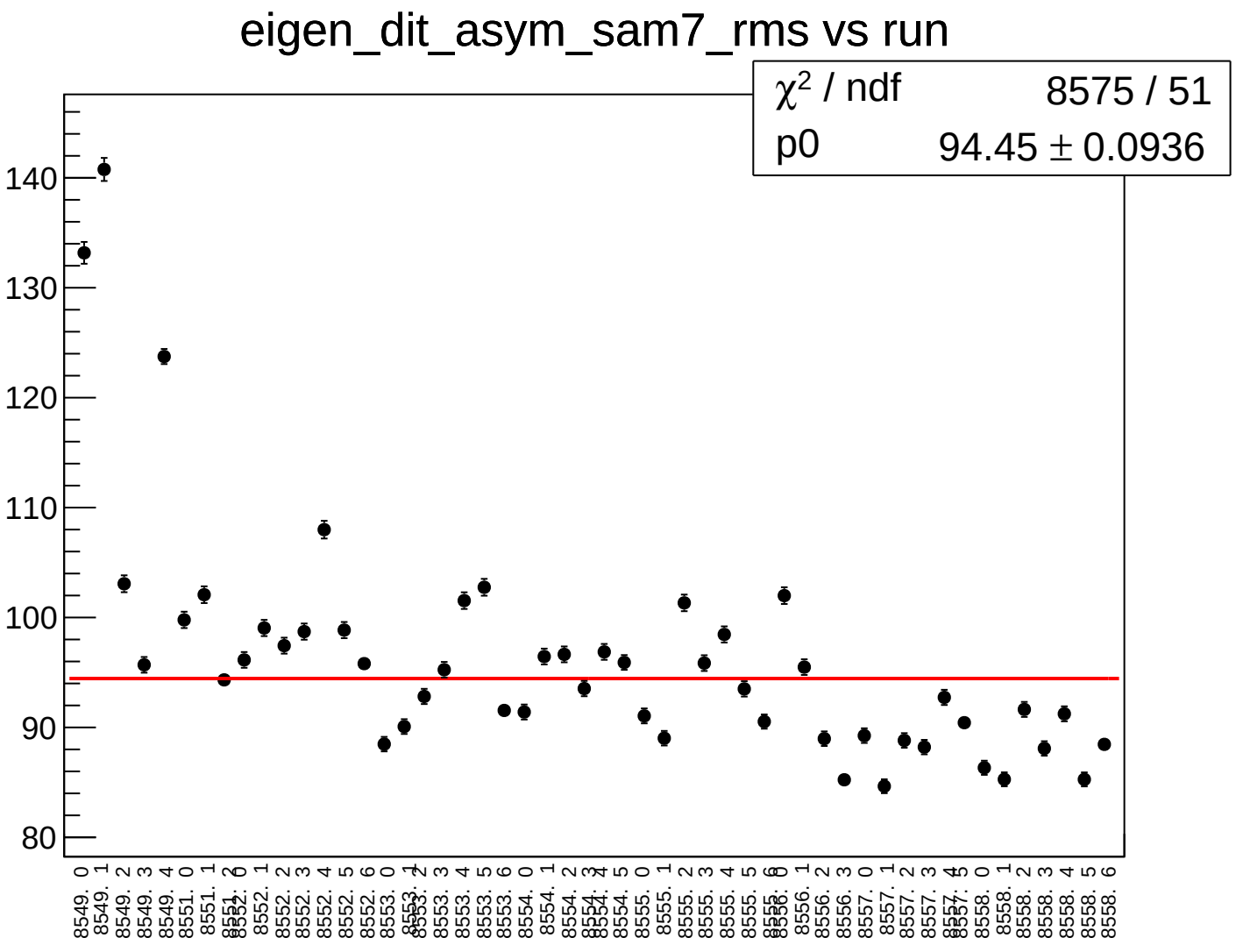

asym_sam7_dit_correction_mean vs run
χ² / ndf 58.35 / 51
p0 −1620 ± 966.7
20000
10000
0
−10000
−20000
−30000
pull
Entries 52
Mean −8.498
Std Dev 0
2
1
0
−1
−2

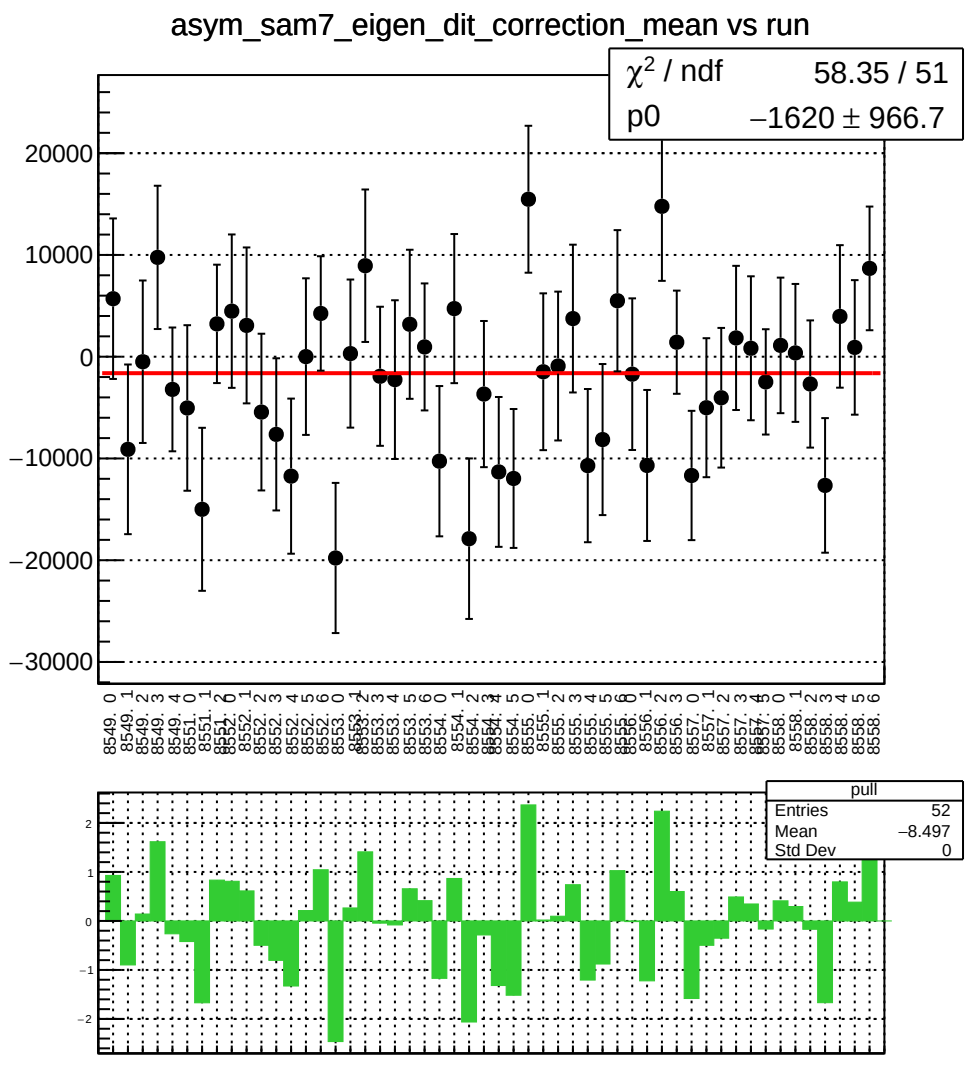

pull1D
Entries 52
Mean −0.02434
Std Dev 1.059
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

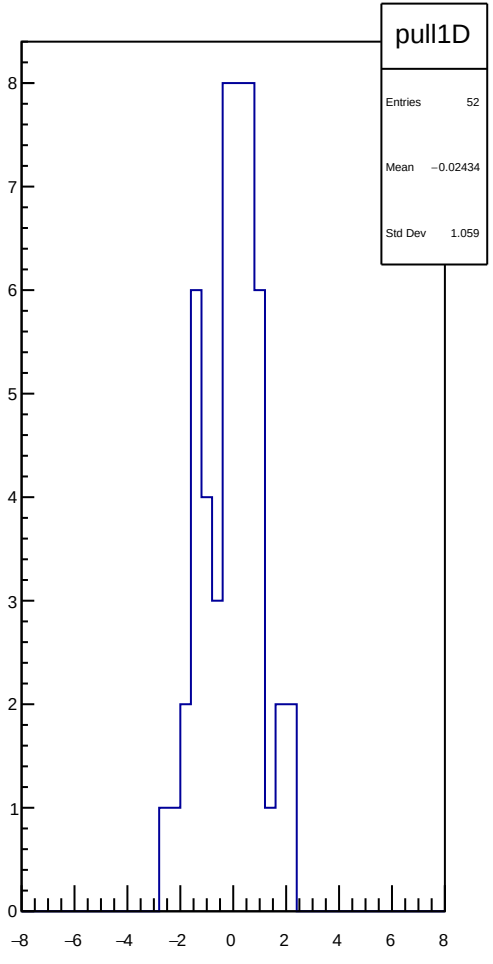

asym_sam7_dit_correction_rms vs run
χ² / ndf 4152 / 51
p0 691.2 ± 0.6835
800
750
700
650
600
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 5
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

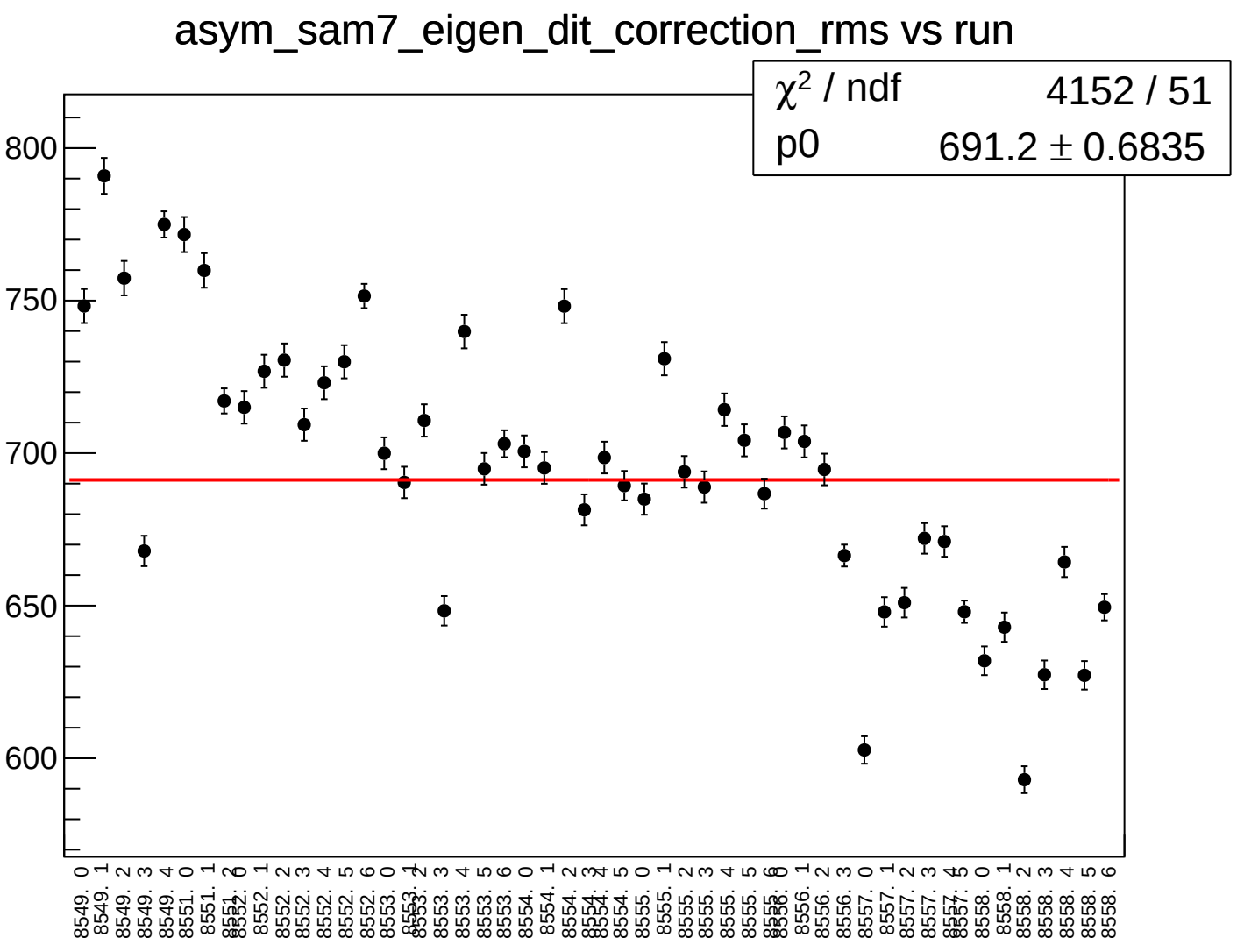

eigen_dit_asym_sam7_mean vs run
χ² / ndf 50.19 / 51
p0 95.07 ± 132.4
pull
Entries 52
Mean −50.06
Std Dev 0

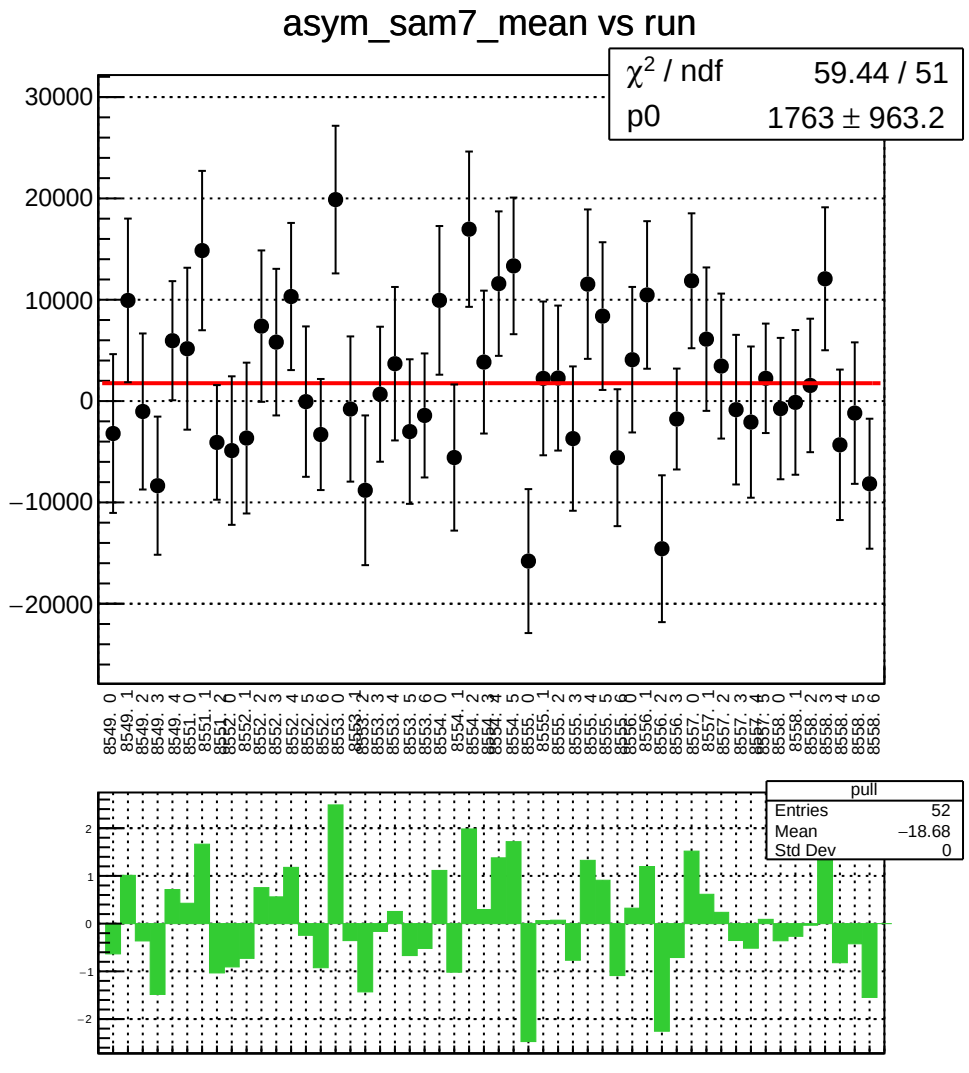

pull1D
Entries 52
Mean 0.01852
Std Dev 0.9822

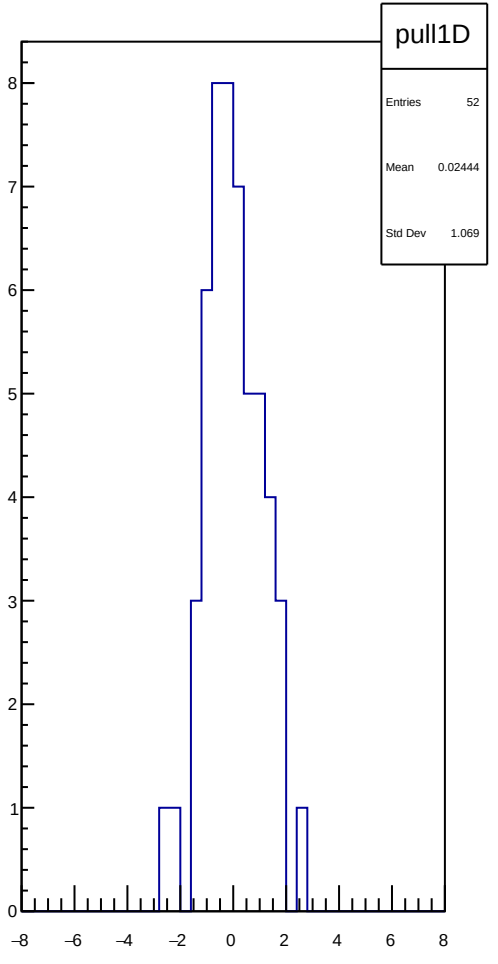

eigen_dit_asym_sam7_rms vs run
χ² / ndf 8575 / 51
p0 94.45 ± 0.0936
140
130
120
110
100
90
80
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 5
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

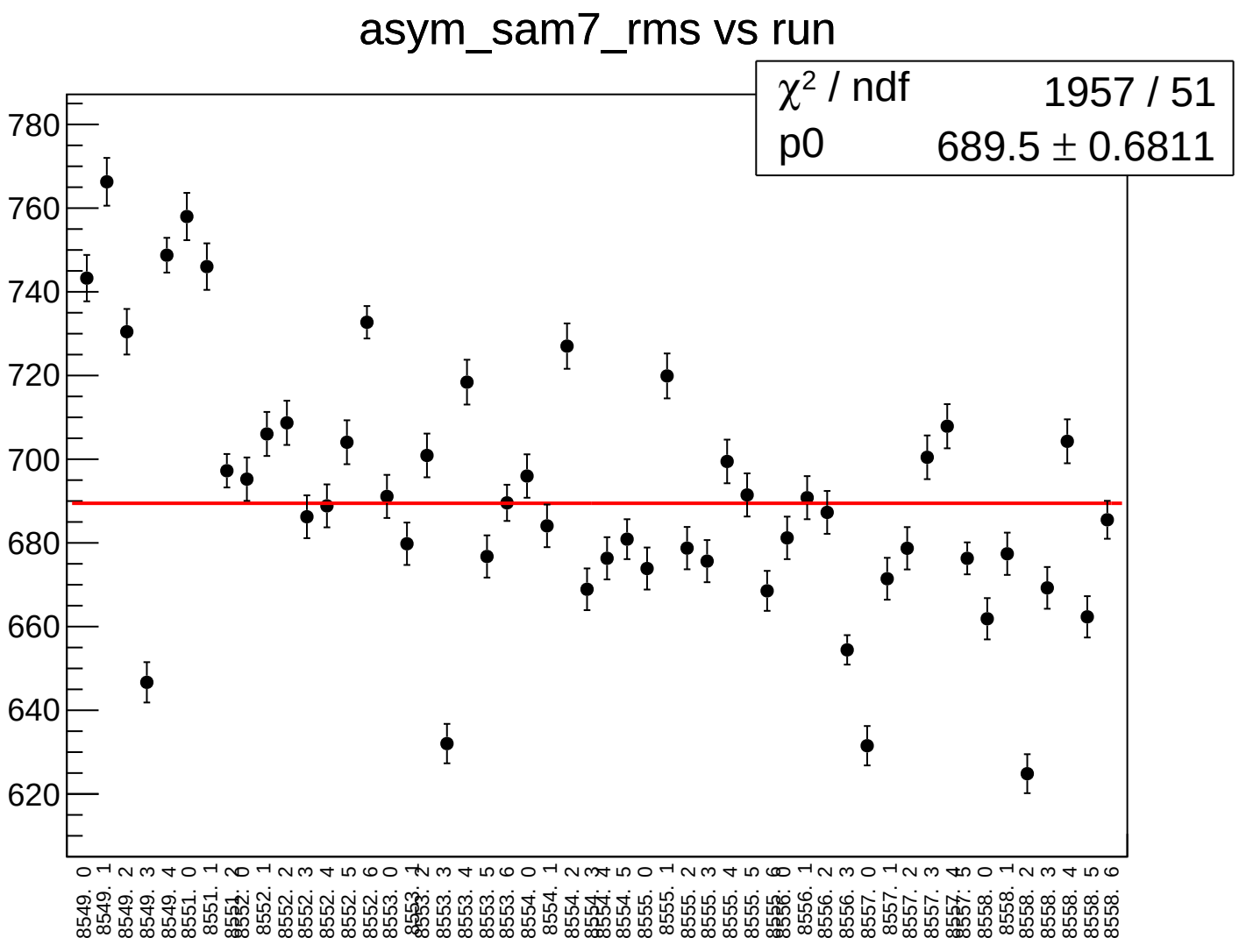

asym_sam7_eigen_dit_correction_mean vs run
χ² / ndf 58.35 / 51
p0 −1620 ± 966.7
20000
10000
0
−10000
−20000
−30000
pull
Entries 52
Mean −8.497
Std Dev 0
2
1
0
−1
−2

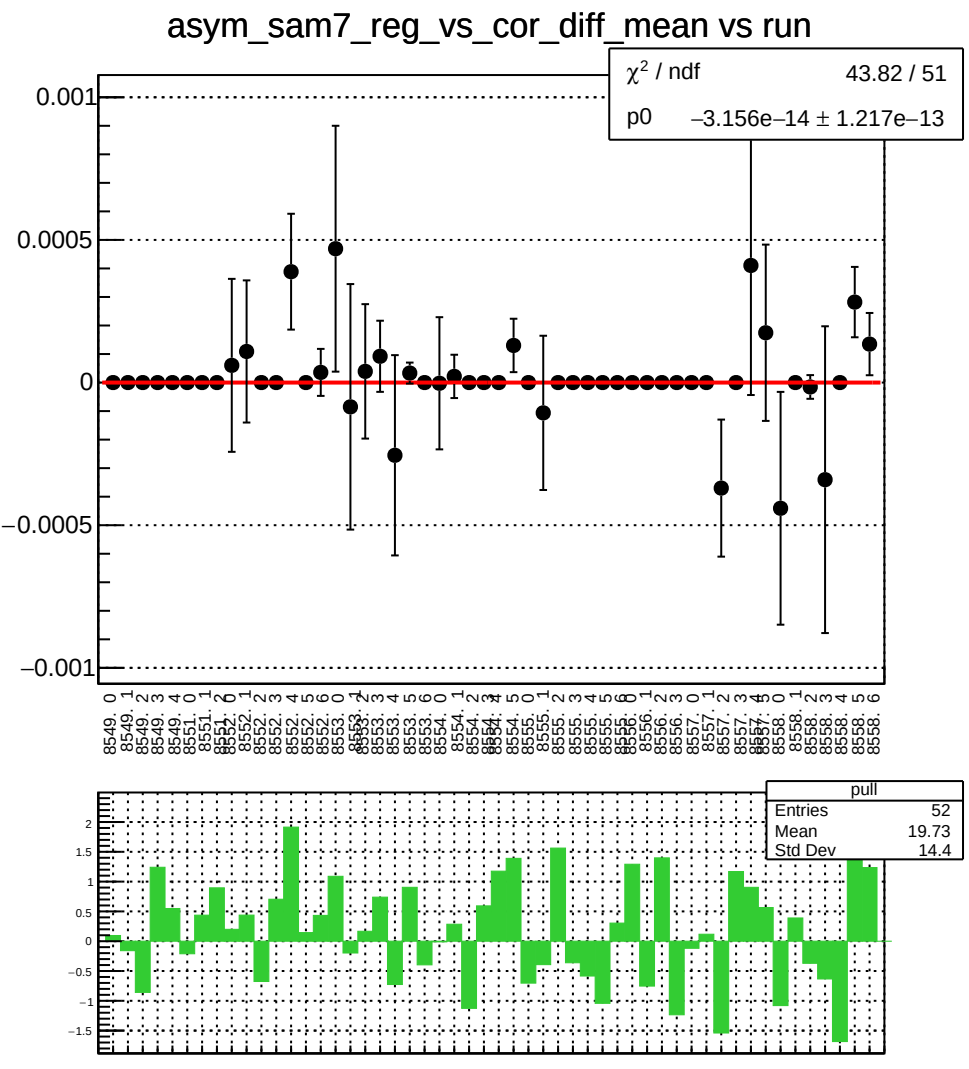

pull1D
Entries 52
Mean −0.02434
Std Dev 1.059
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

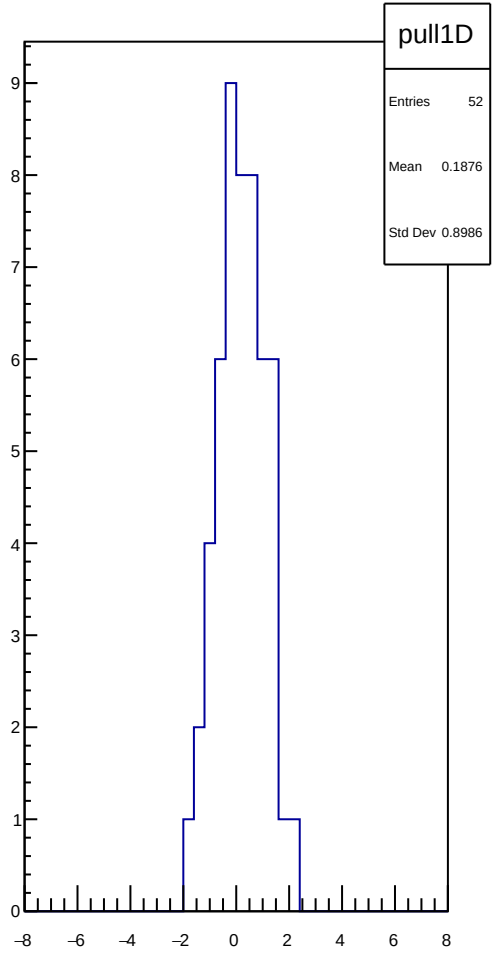

asym_sam7_eigen_dit_correction_rms vs run
χ² / ndf 4152 / 51
p0 691.2 ± 0.6835
800
750
700
650
600
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

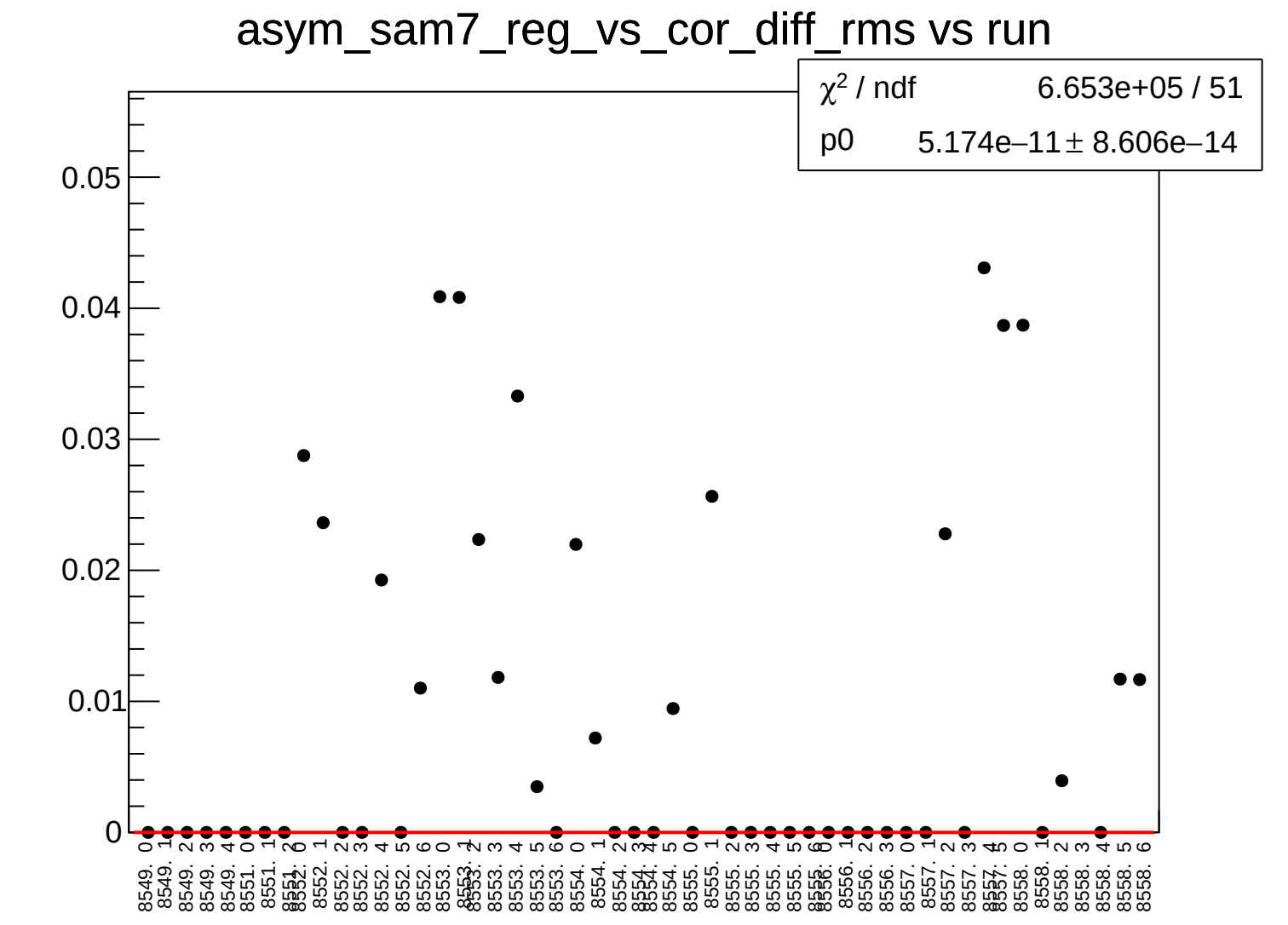

asym_sam7_mean vs run
χ² / ndf 59.44 / 51
p0 1763 ± 963.2
30000
20000
10000
0
−10000
−20000
pull
Entries 52
Mean −18.68
Std Dev 0
2
1
0
−1
−2

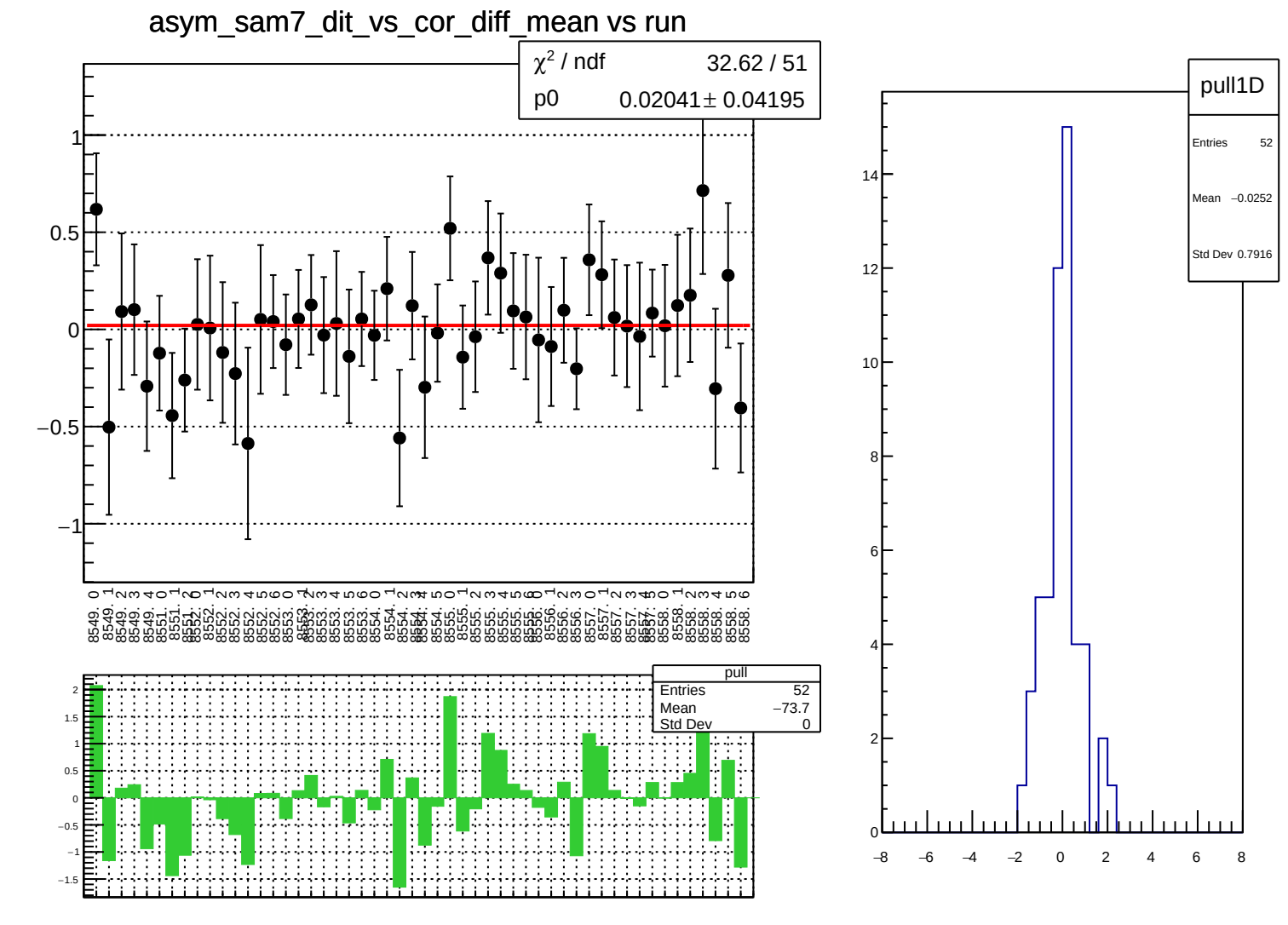

pull1D
Entries 52
Mean 0.02444
Std Dev 1.069
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

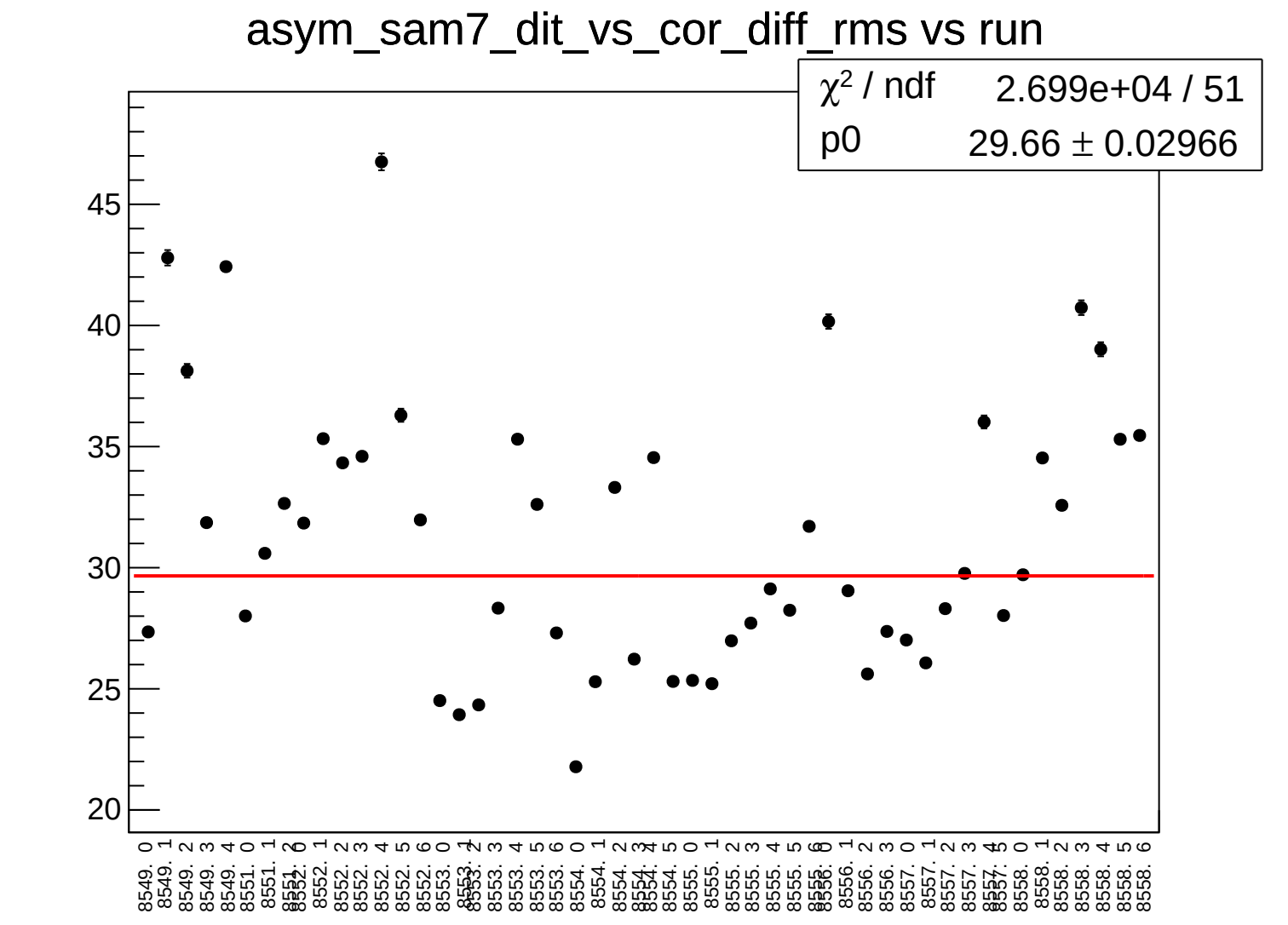

asym_sam7_rms vs run
χ² / ndf 1957 / 51
p0 689.5 ± 0.6811
780
760
740
720
700
680
660
640
620
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 5
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

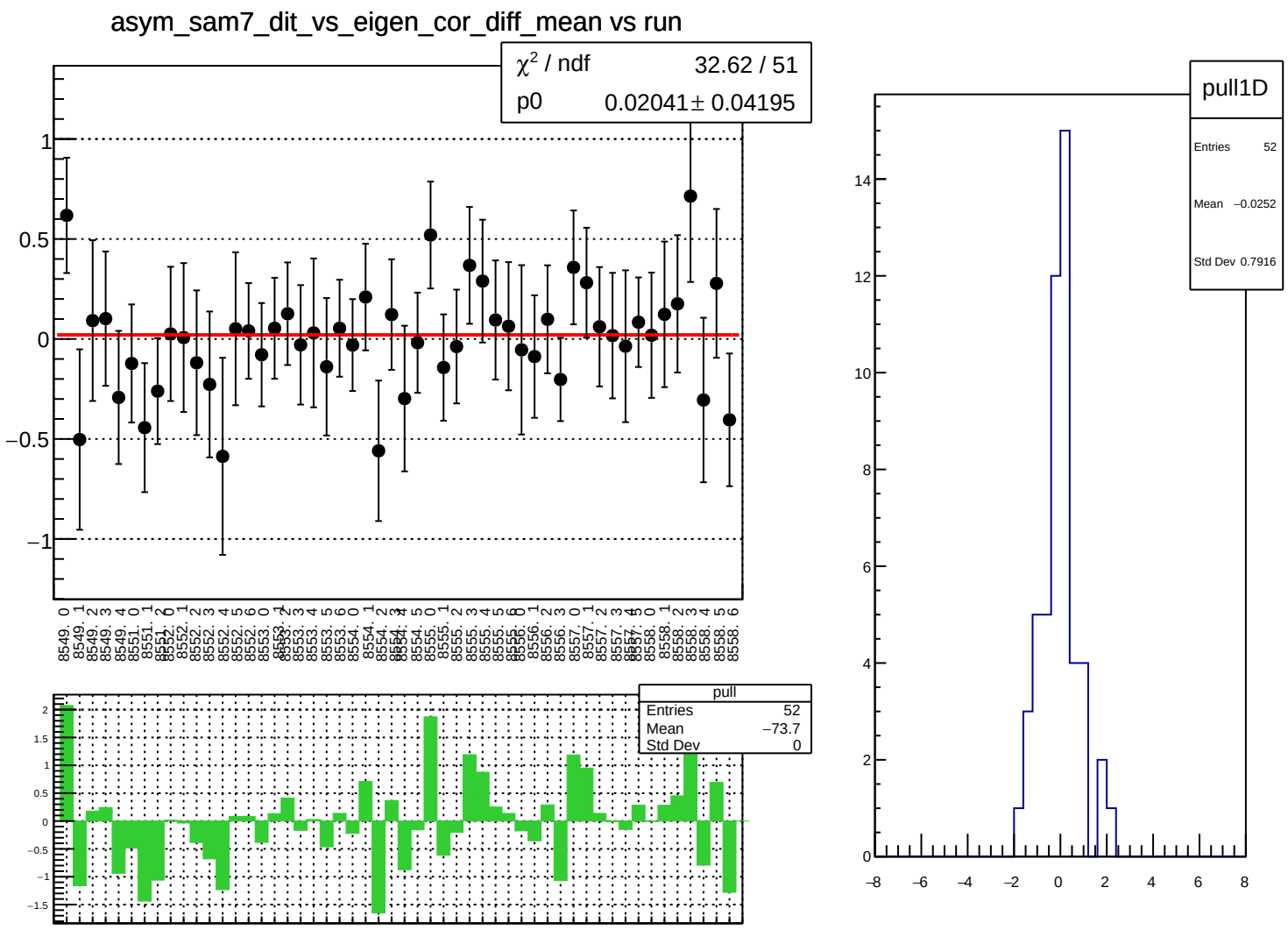

asym_sam7_reg_vs_cor_diff_mean vs run
χ² / ndf 43.82 / 51
p0 −3.156e−14 ± 1.217e−13
0.001
0.0005
0
−0.0005
−0.001
pull
Entries 52
Mean 19.73
Std Dev 14.4
2
1.5
1
0.5
0
−0.5
−1
−1.5

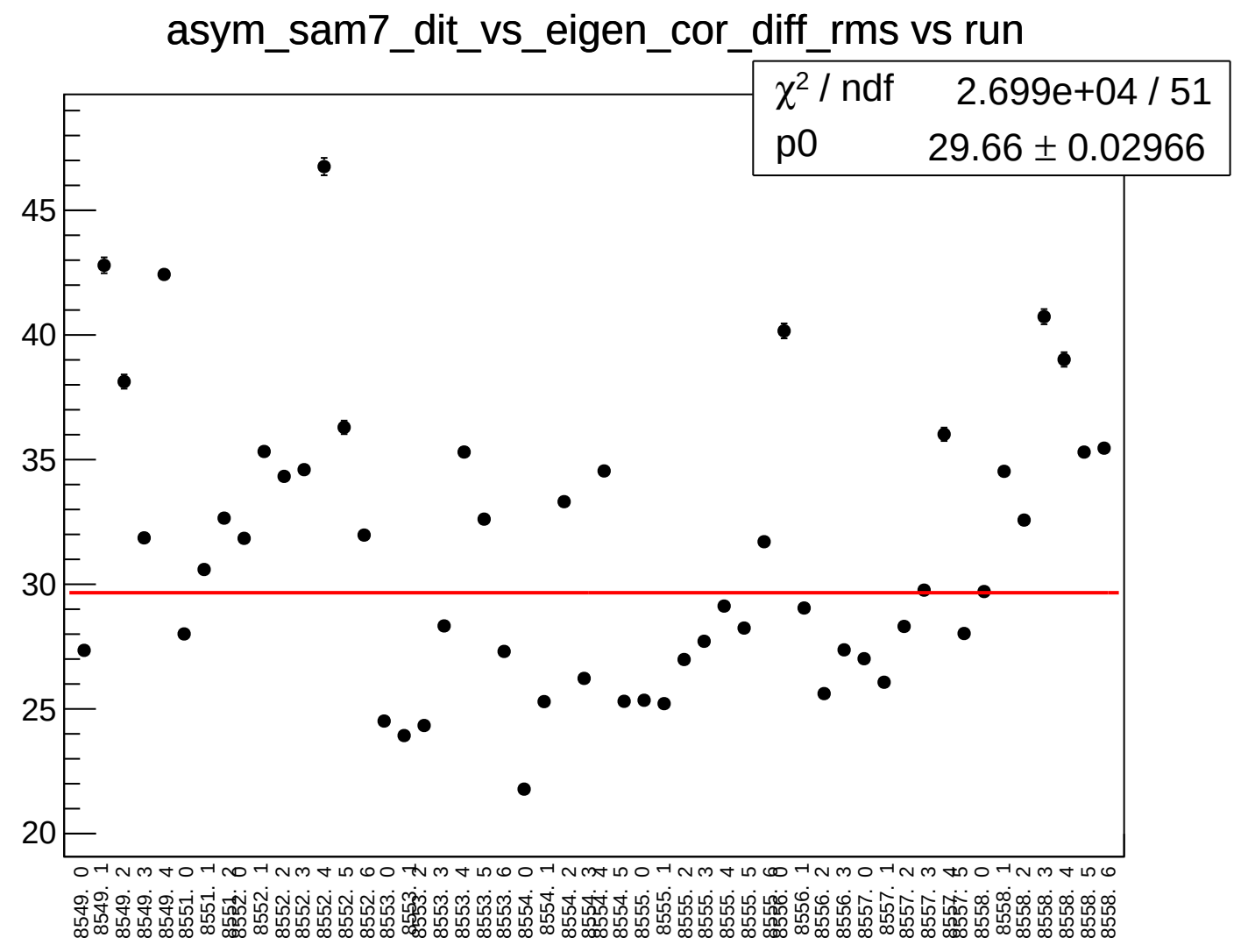

pull1D
Entries 52
Mean 0.1876
Std Dev 0.8986
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

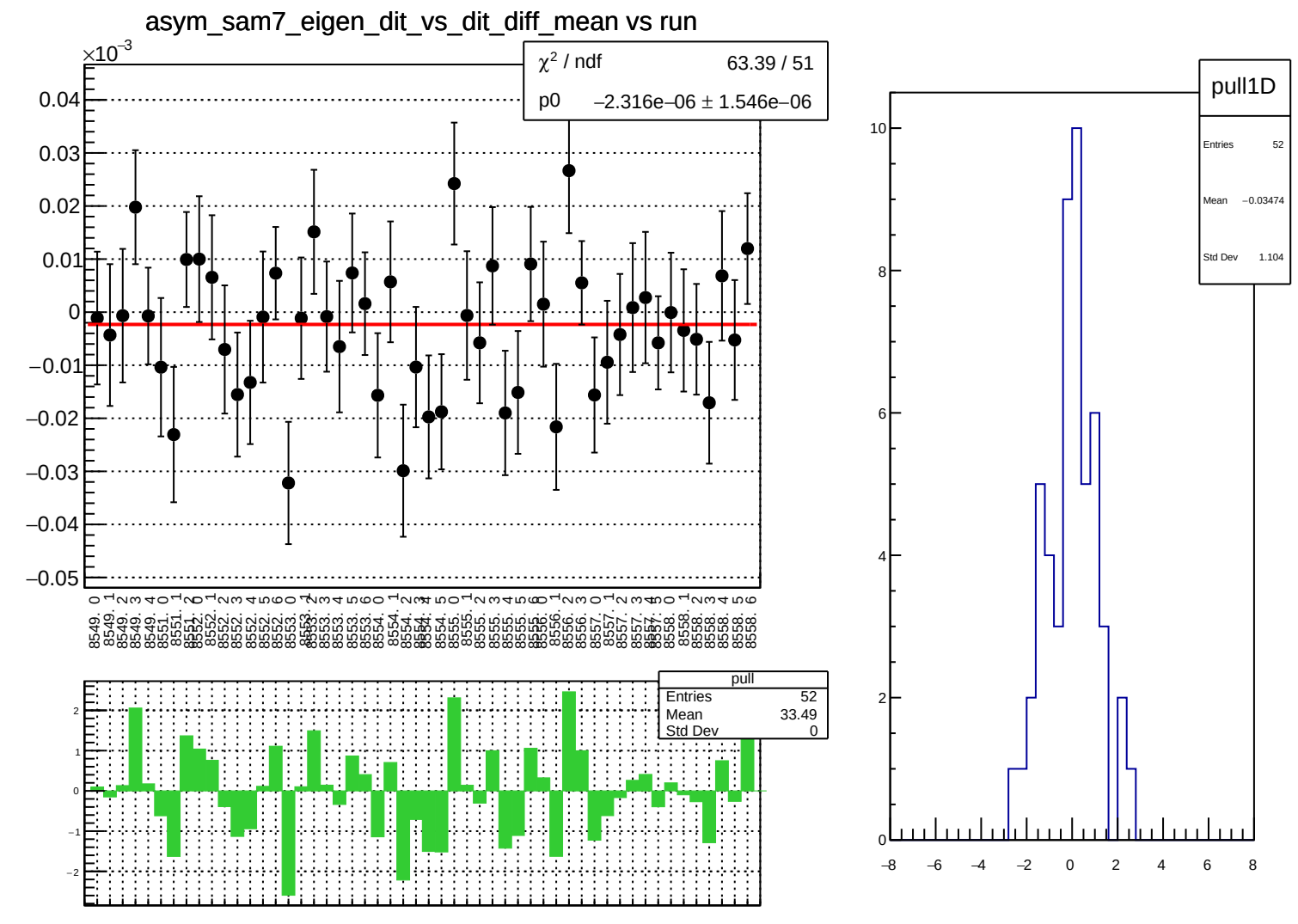

asym_sam7_reg_vs_cor_diff_rms vs run
χ² / ndf 6.653e+05 / 51
p0 5.174e−11 ± 8.606e−14
0.05
0.04
0.03
0.02
0.01
0
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8549. 5
8551. 0
8551. 1
8551. 2
8552. 0
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 1
8553. 2
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 3
8554. 4
8554. 5
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8555. 6
8556. 0
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8557. 4
8557. 5
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

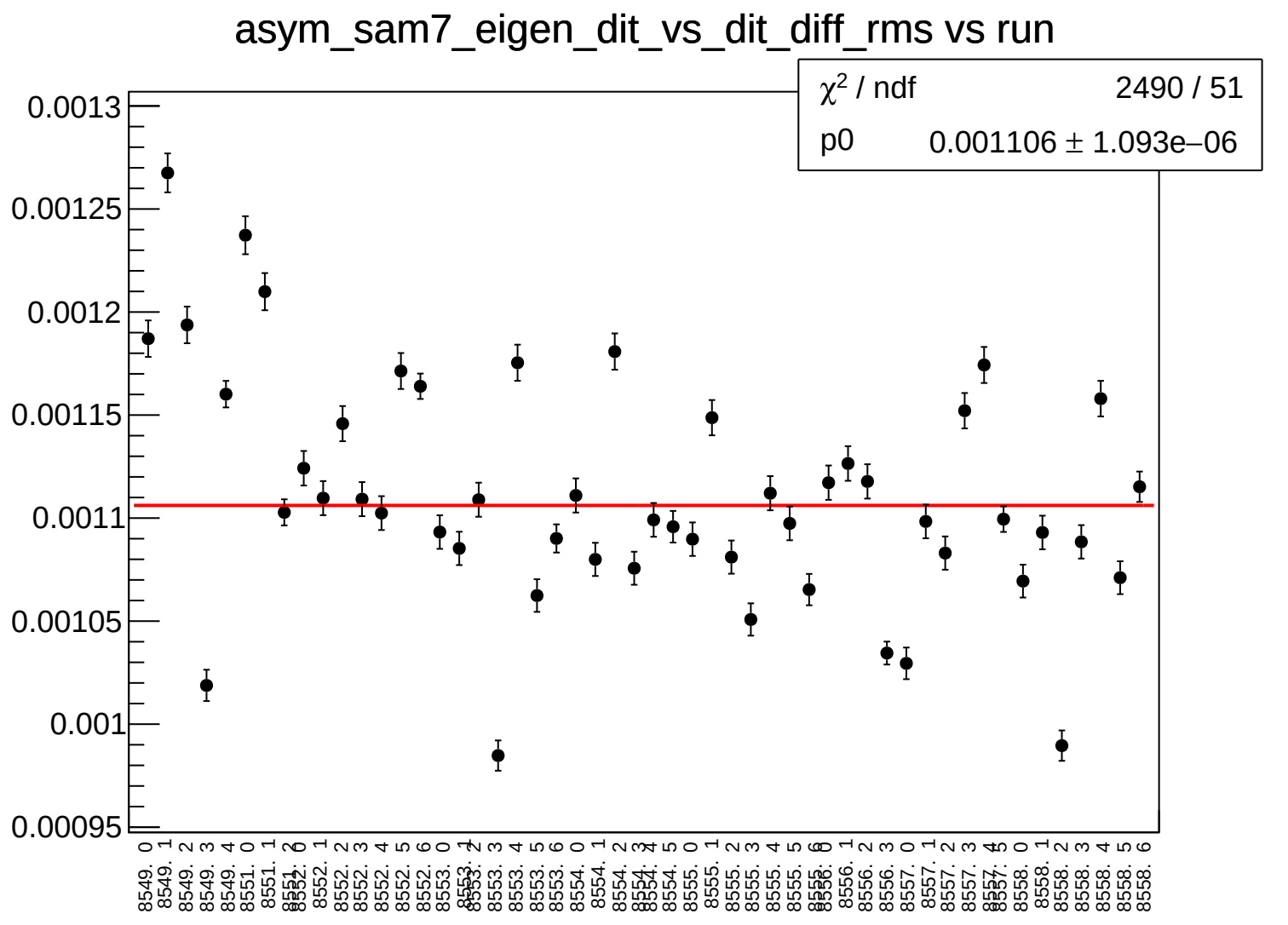

asym_sam7_dit_vs_cor_diff_mean vs run
χ² / ndf 32.62 / 51
p0 0.02041 ± 0.04195
pull
Entries 52
Mean −73.7
Std Dev 0
pull1D
Entries 52
Mean −0.0252
Std Dev 0.7916

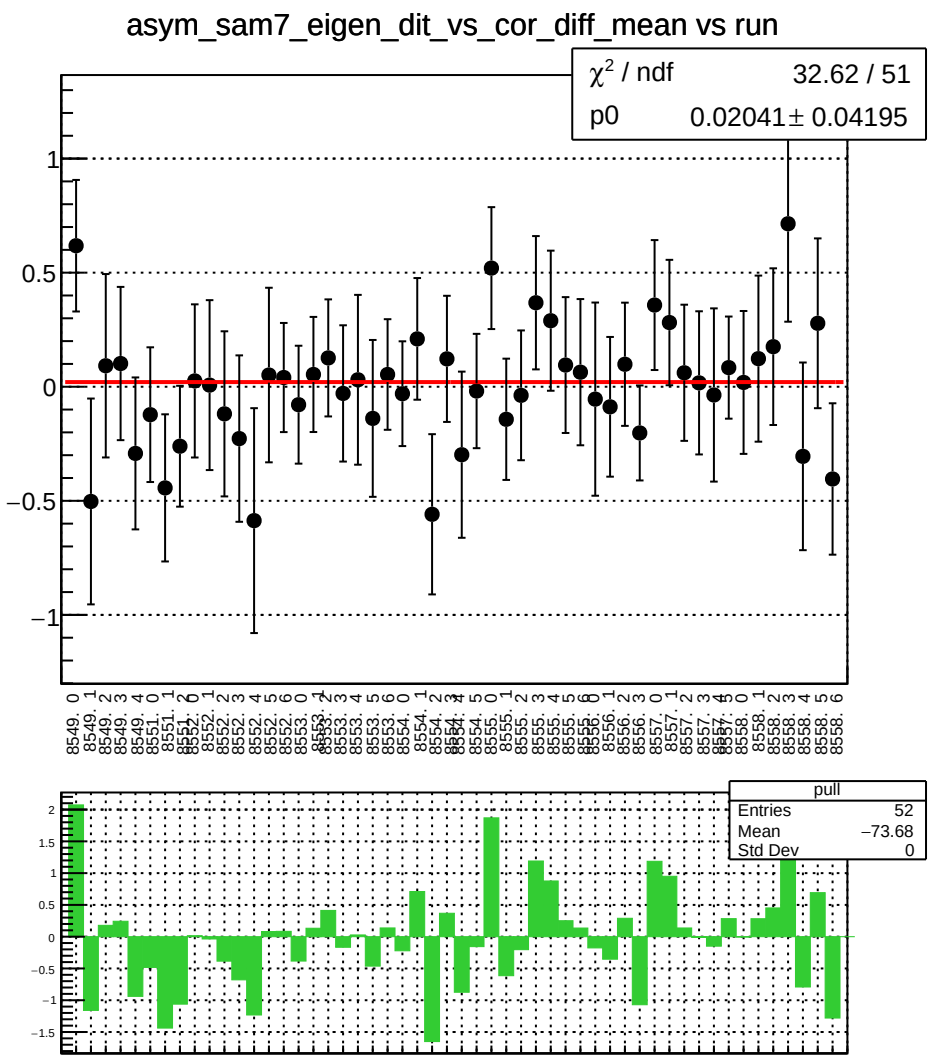

asym_sam7_dit_vs_cor_diff_rms vs run
χ² / ndf 2.699e+04 / 51
p0 29.66 ± 0.02966
45
40
35
30
25
20
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

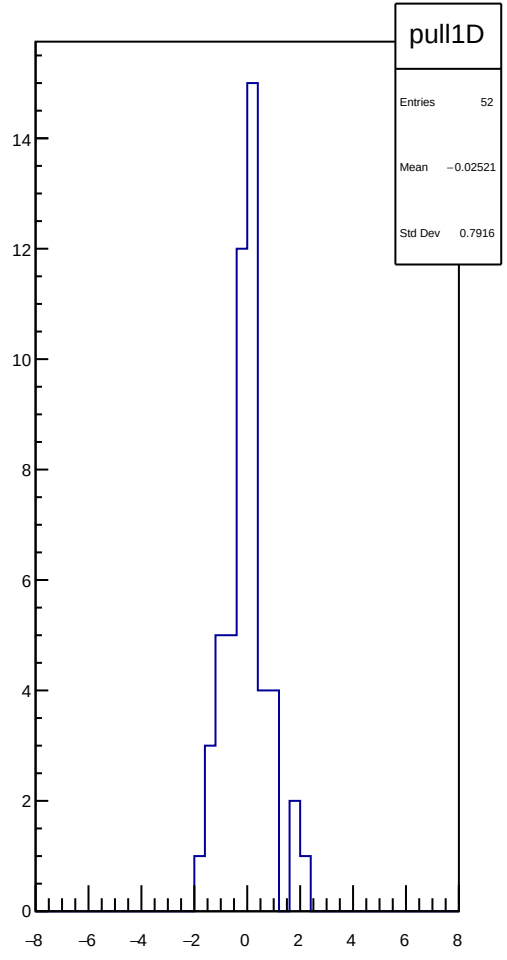

asym_sam7_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 32.62 / 51
p0 0.02041 ± 0.04195
pull
Entries 52
Mean −73.7
Std Dev 0
pull1D
Entries 52
Mean −0.0252
Std Dev 0.7916

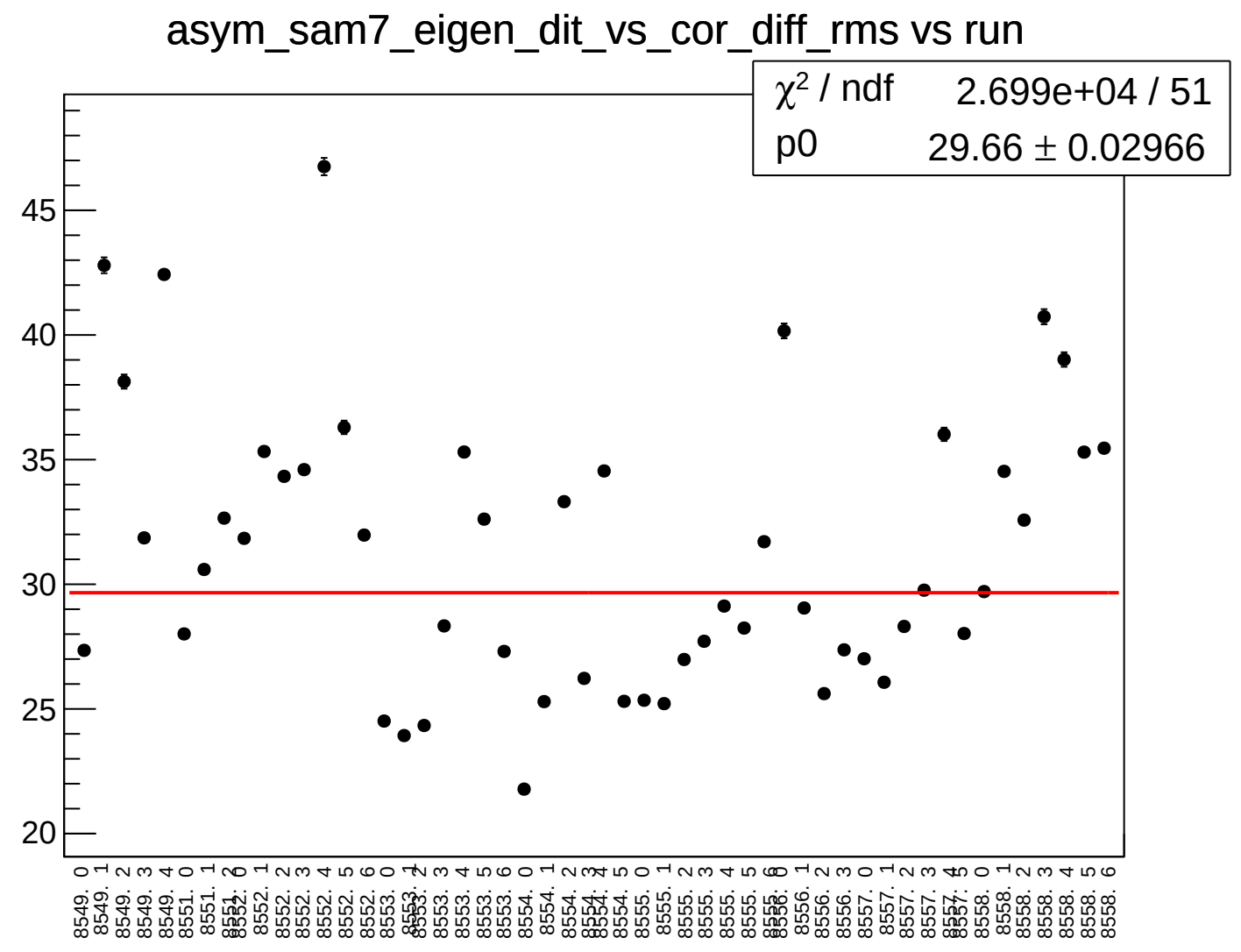

asym_sam7_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 2.699e+04 / 51
p0 29.66 ± 0.02966
45
40
35
30
25
20
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6


asym_sam7_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 63.39 / 51
p0 −2.316e−06 ± 1.546e−06
pull
Entries 52
Mean 33.49
Std Dev 0
pull1D
Entries 52
Mean −0.03474
Std Dev 1.104


asym_sam7_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 2490 / 51
p0 0.001106 ± 1.093e−06
0.0013
0.00125
0.0012
0.00115
0.0011
0.00105
0.001
0.00095


asym_sam7_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 32.62 / 51
p0 0.02041 ± 0.04195
pull
Entries 52
Mean −73.68
Std Dev 0


pull1D
Entries 52
Mean −0.02521
Std Dev 0.7916


asym_sam7_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 2.699e+04 / 51
p0 29.66 ± 0.02966
45
40
35
30
25
20
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
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8556. 1
8556. 2
8556. 3
8557. 0
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8558. 0
8558. 1
8558. 2
8558. 3
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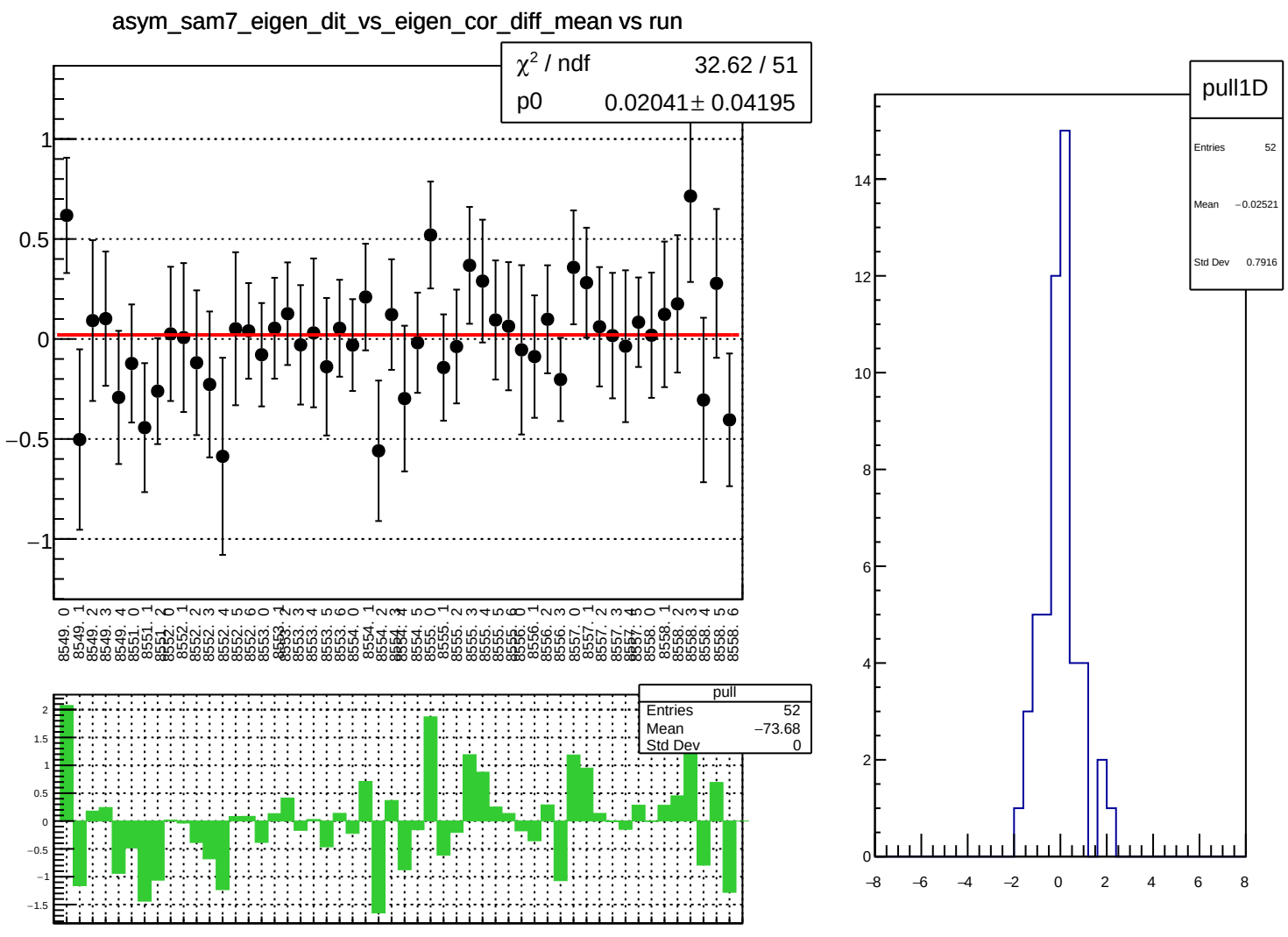
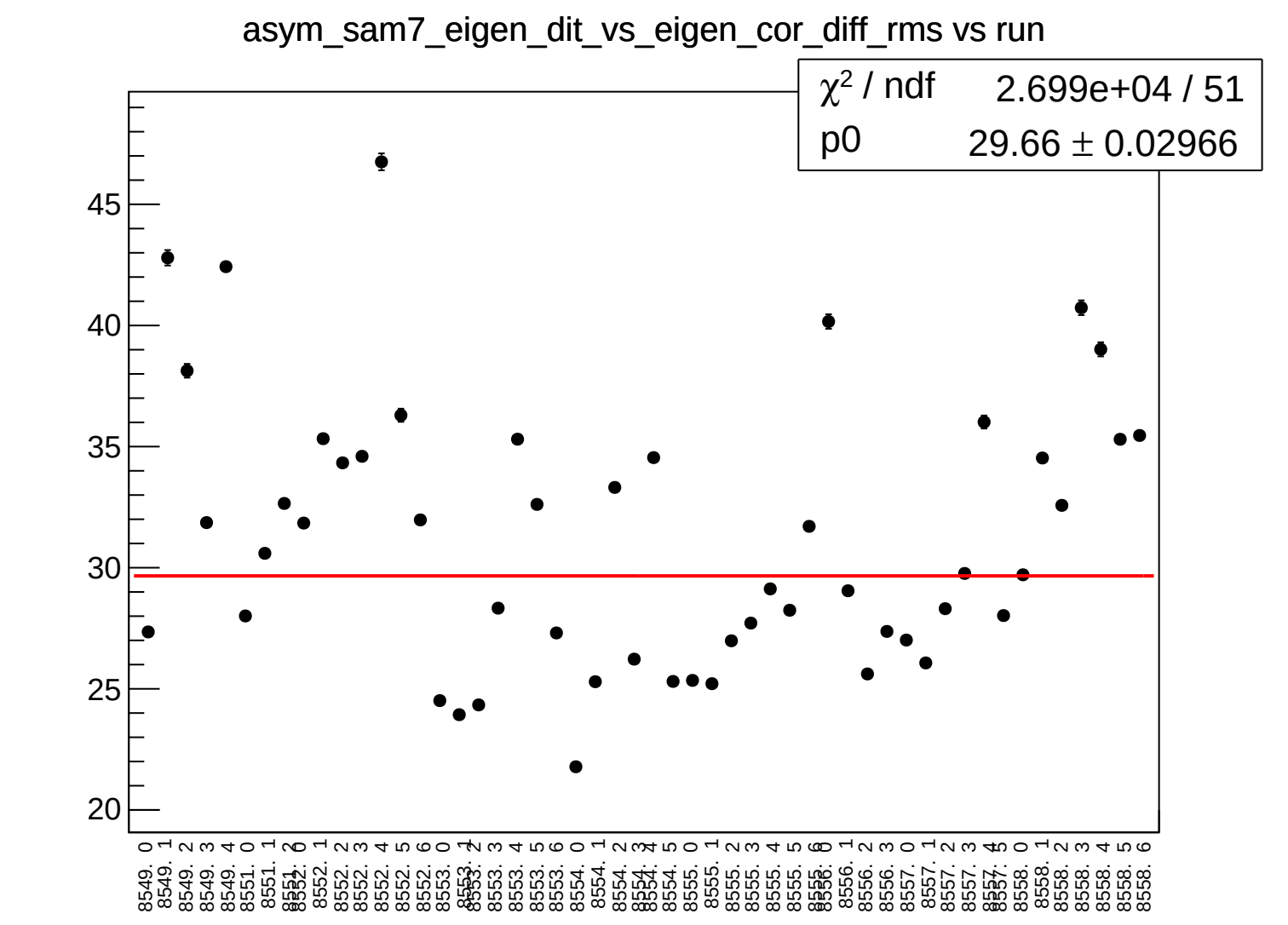
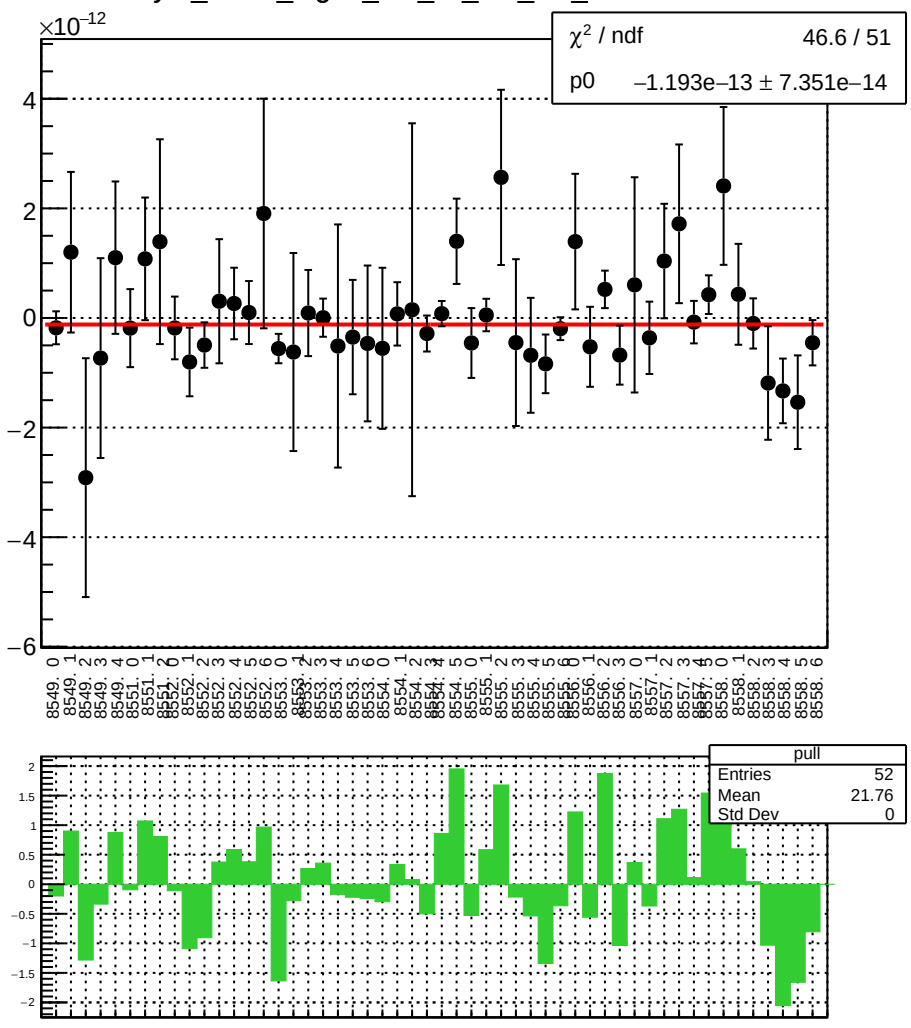
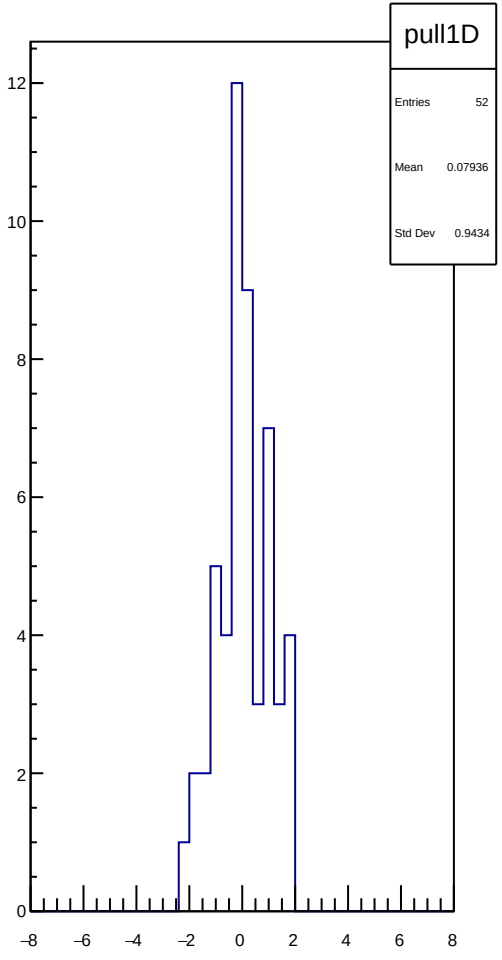
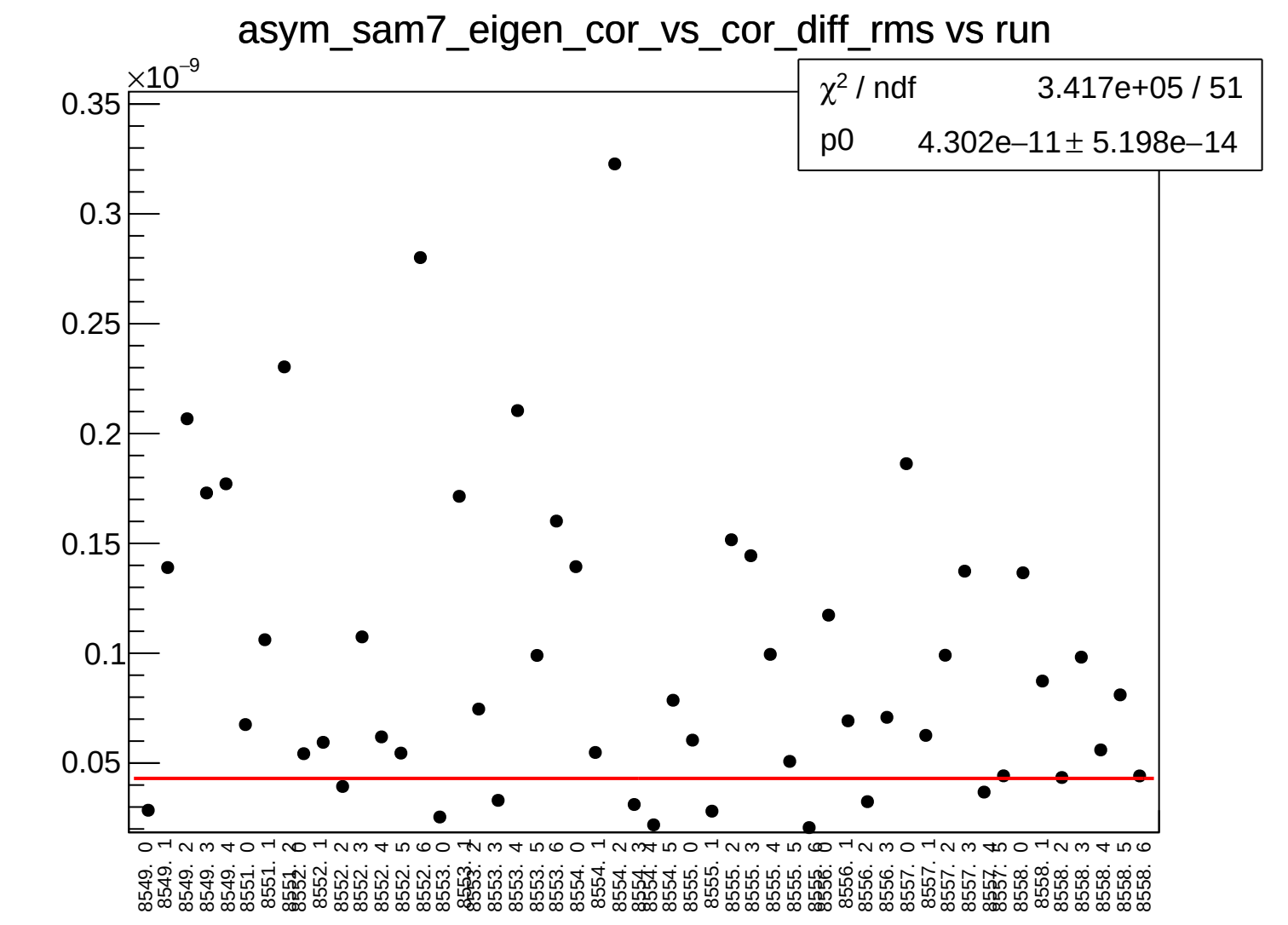
8558. 5
8558. 6

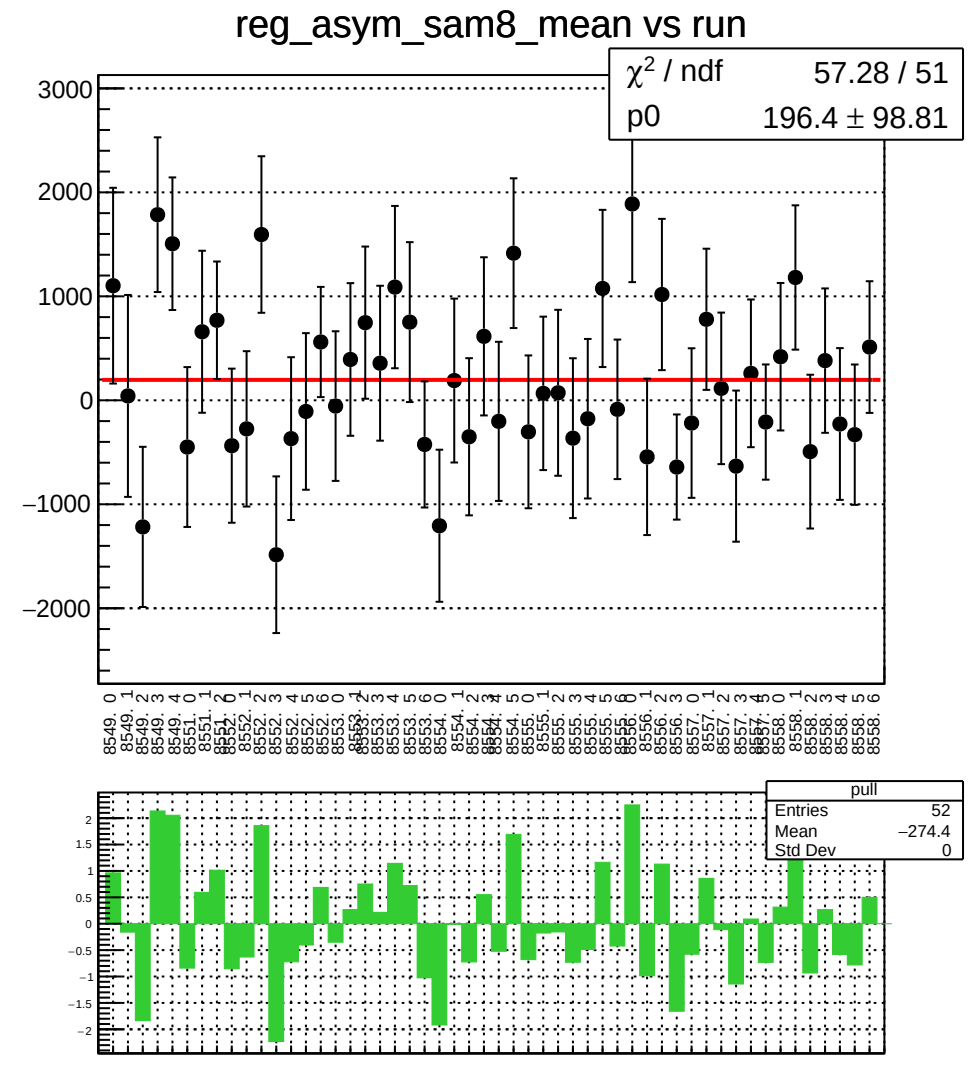

asym_sam7_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 32.62 / 51
p0 0.02041 ± 0.04195
pull
Entries 52
Mean −73.68
Std Dev 0
pull1D
Entries 52
Mean −0.02521
Std Dev 0.7916

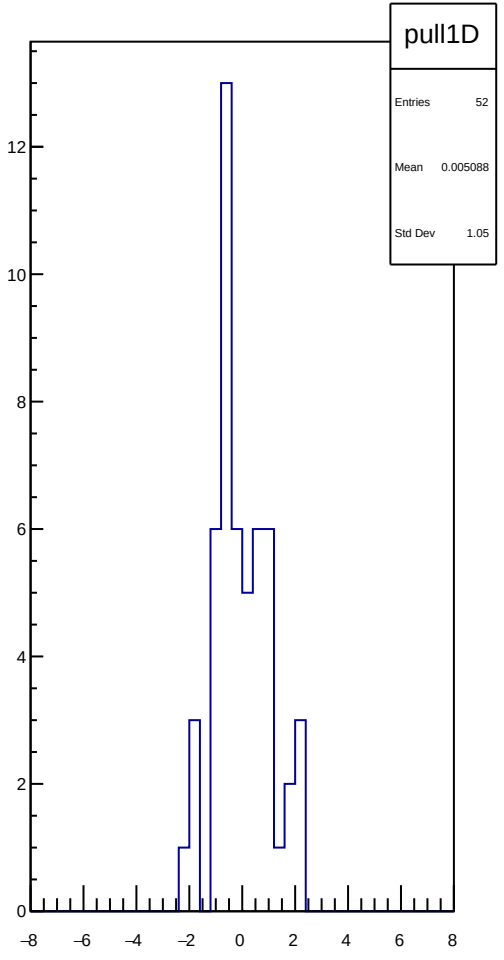

asym_sam7_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 2.699e+04 / 51
p0 29.66 ± 0.02966
45
40
35
30
25
20
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 5
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

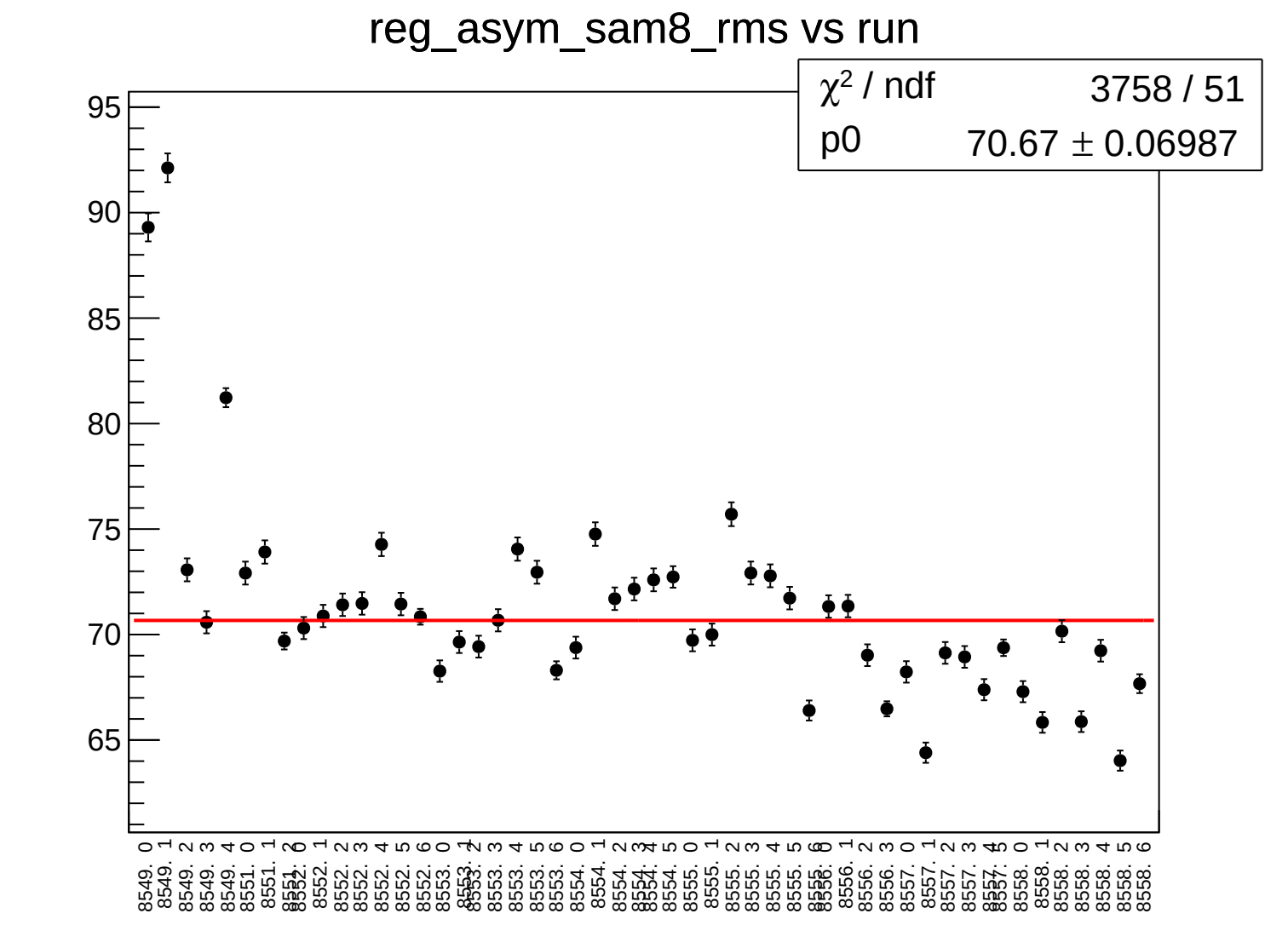

asym_sam7_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 46.6 / 51
p0 −1.193e−13 ± 7.351e−14
pull
Entries 52
Mean 21.76
Std Dev 0

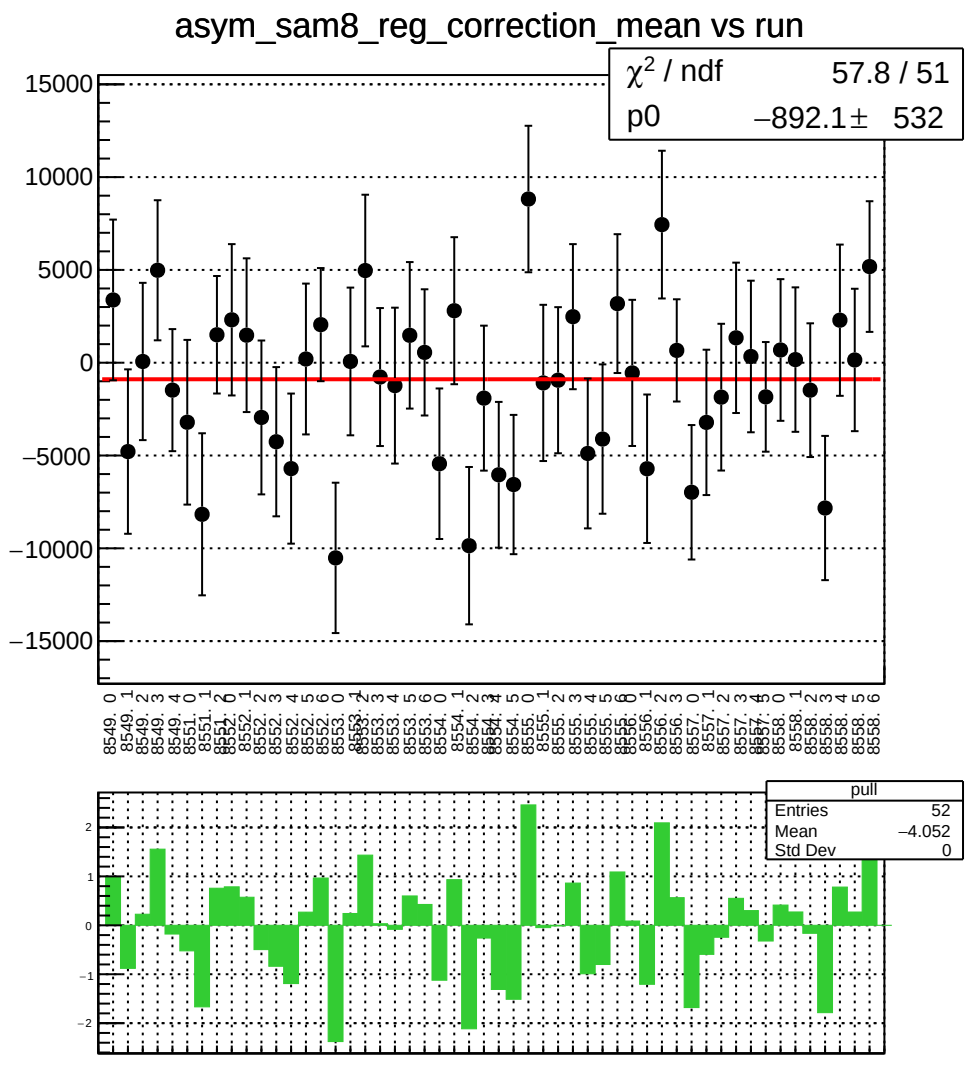

pull1D
Entries 52
Mean 0.07936
Std Dev 0.9434

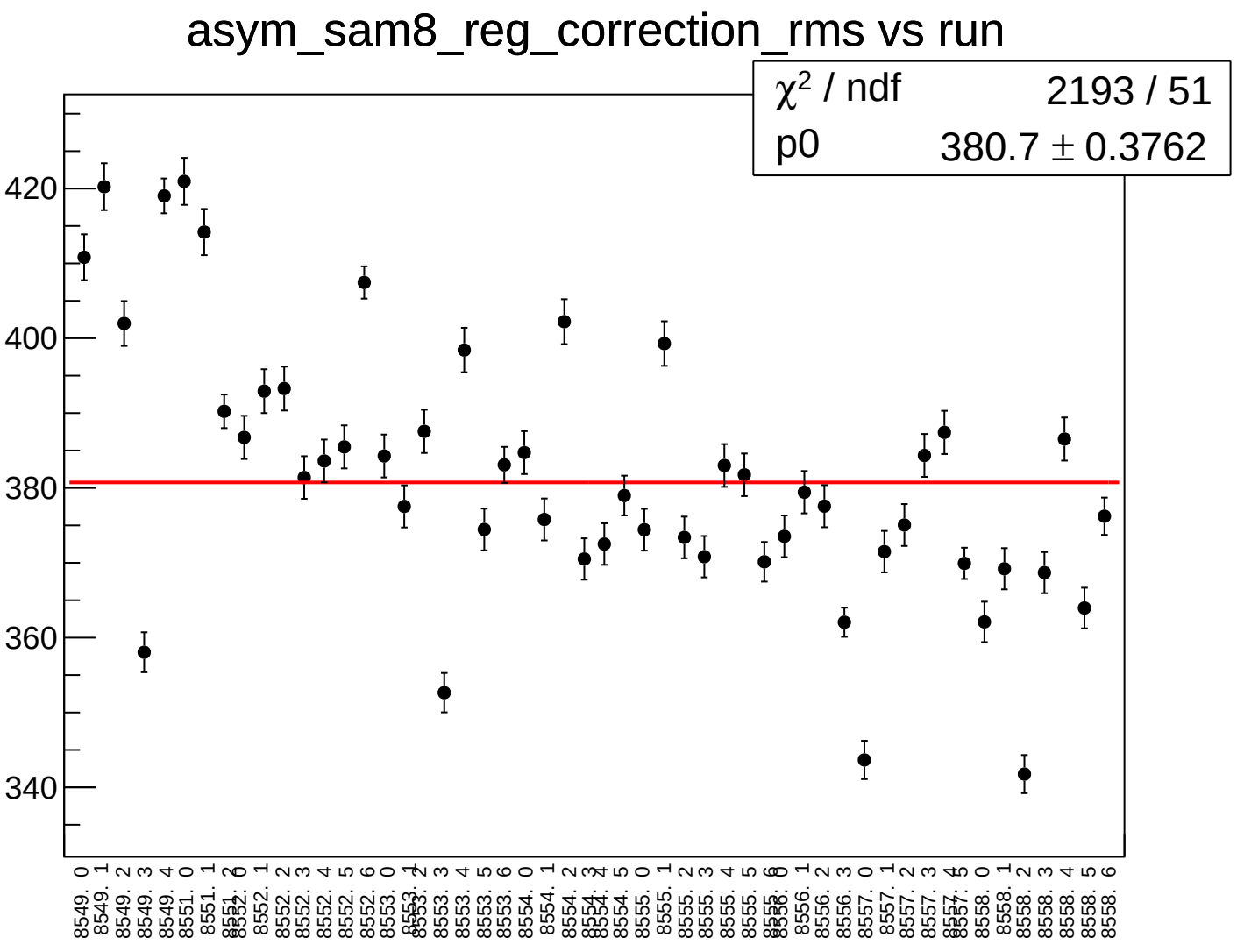

asym_sam7_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 3.417e+05 / 51
p0 4.302e−11 ± 5.198e−14
0.35
0.3
0.25
0.2
0.15
0.1
0.05
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 0
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 1
8553. 2
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 3
8554. 4
8554. 5
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 0
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8557. 4
8557. 5
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6


reg_asym_sam8_mean vs run
χ² / ndf 57.28 / 51
p0 196.4 ± 98.81
pull
Entries 52
Mean −274.4
Std Dev 0


pull1D
Entries 52
Mean 0.005088
Std Dev 1.05


reg_asym_sam8_rms vs run
χ² / ndf 3758 / 51
p0 70.67 ± 0.06987
95
90
85
80
75
70
65
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6


asym_sam8_reg_correction_mean vs run
χ² / ndf 57.8 / 51
p0 −892.1± 532
pull
Entries 52
Mean −4.052
Std Dev 0
pull1D
Entries 52
Mean −0.0217
Std Dev 1.054


asym_sam8_reg_correction_rms vs run
χ² / ndf 2193 / 51
p0 380.7 ± 0.3762
420
400
380
360
340
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 5
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
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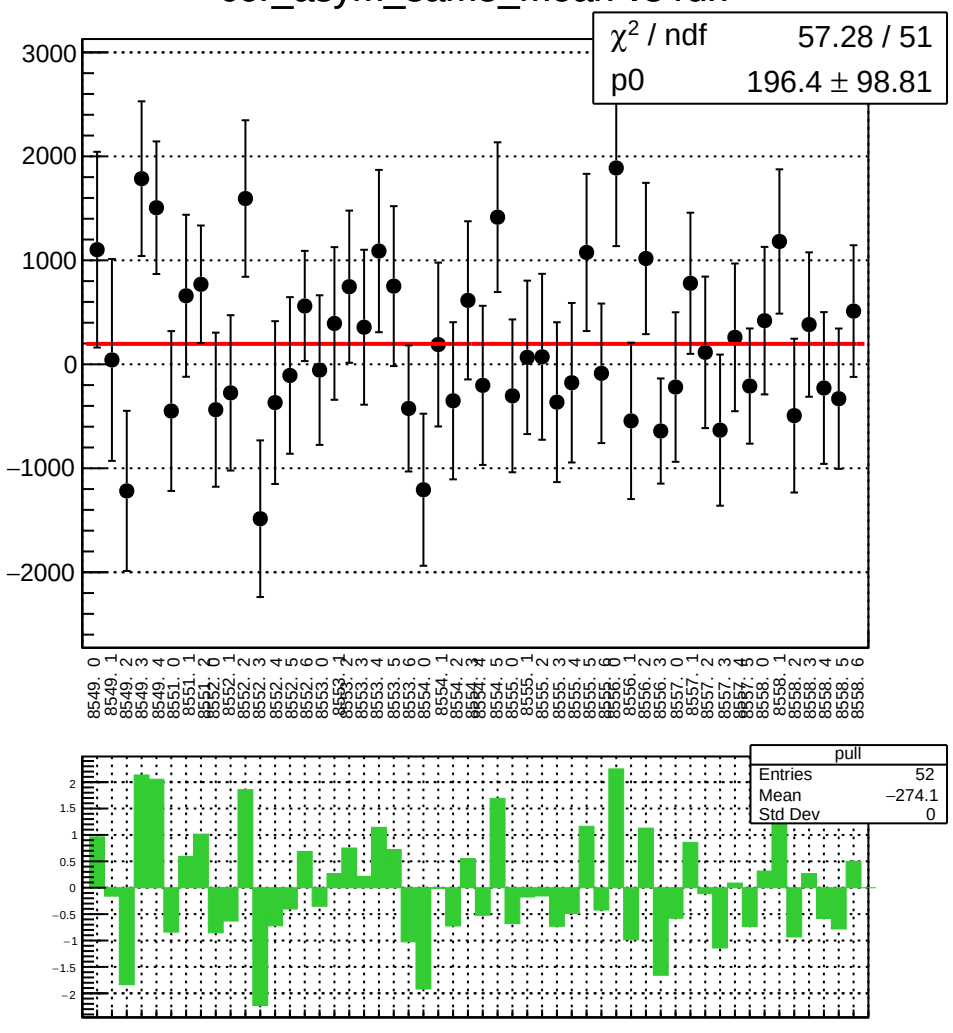
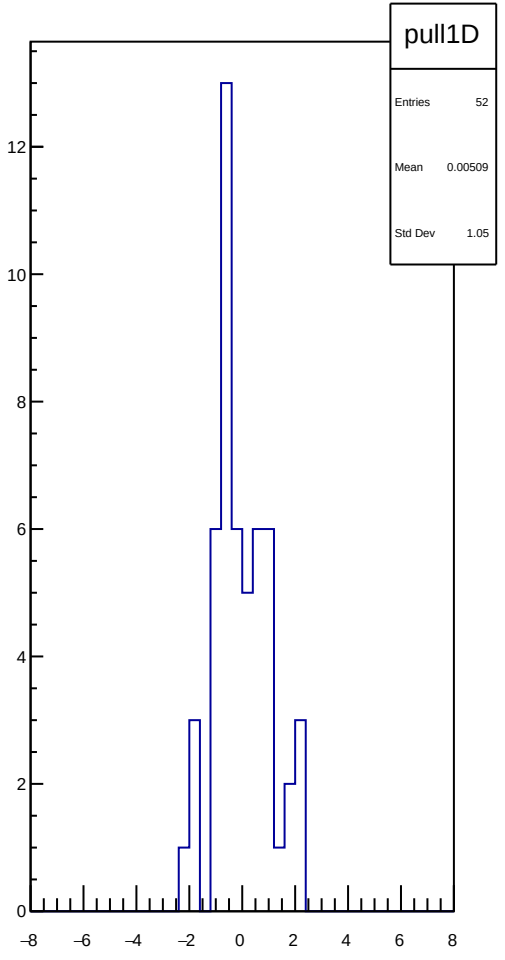
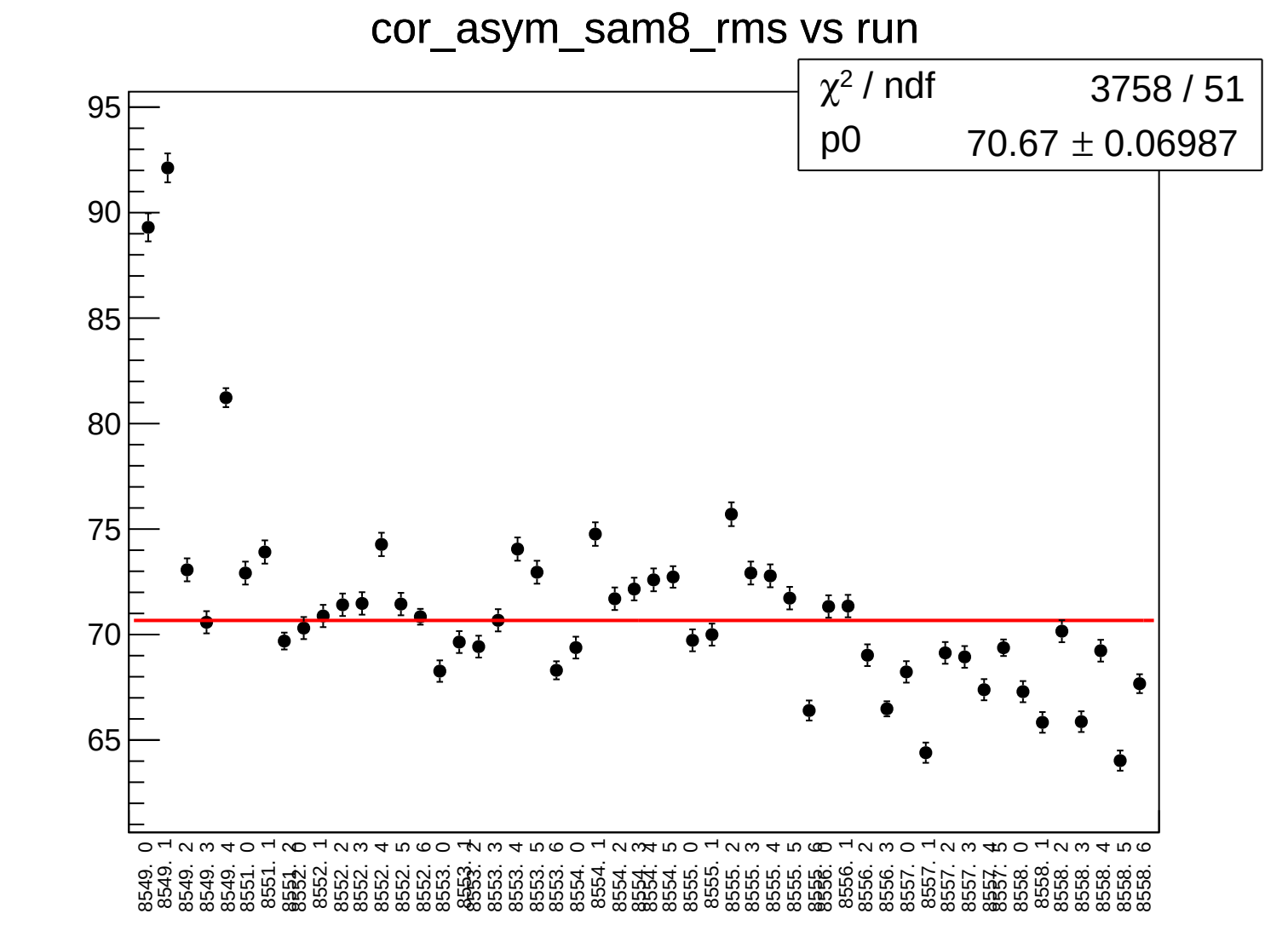
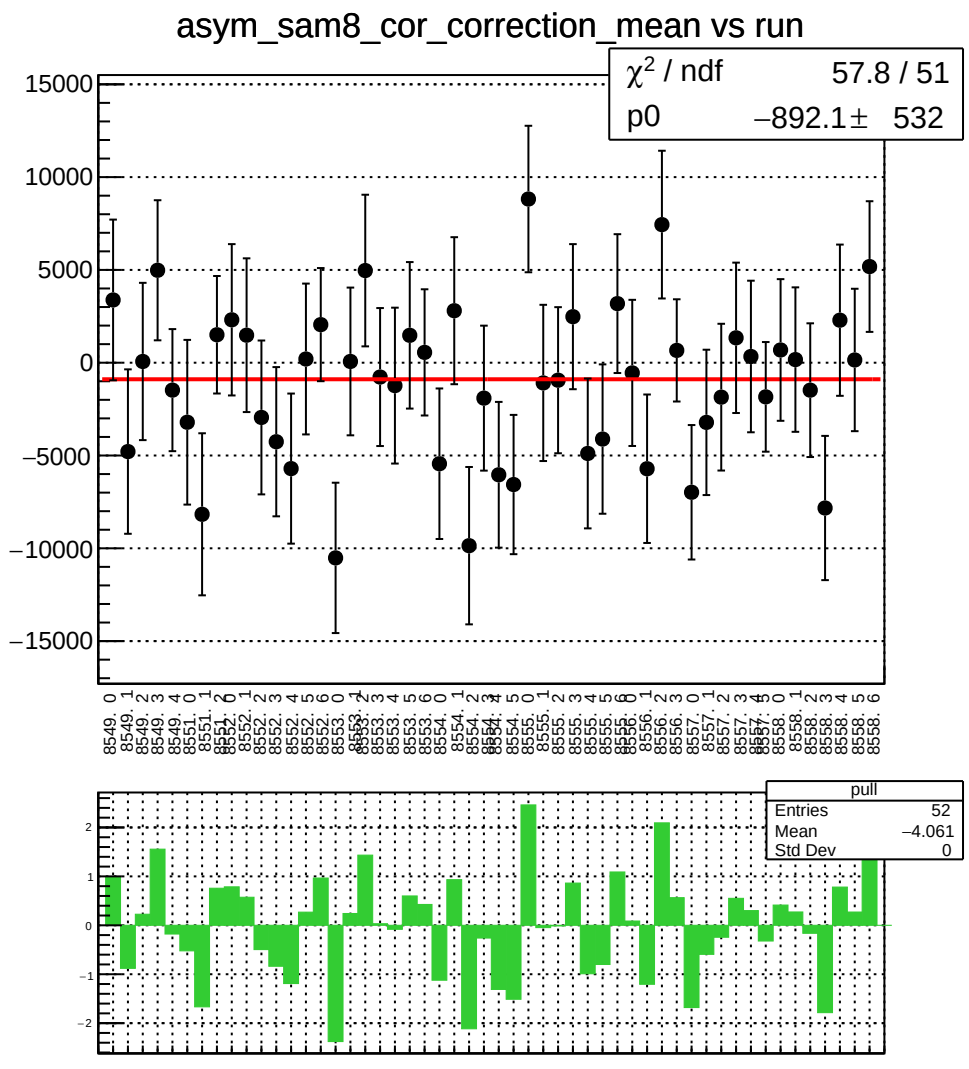
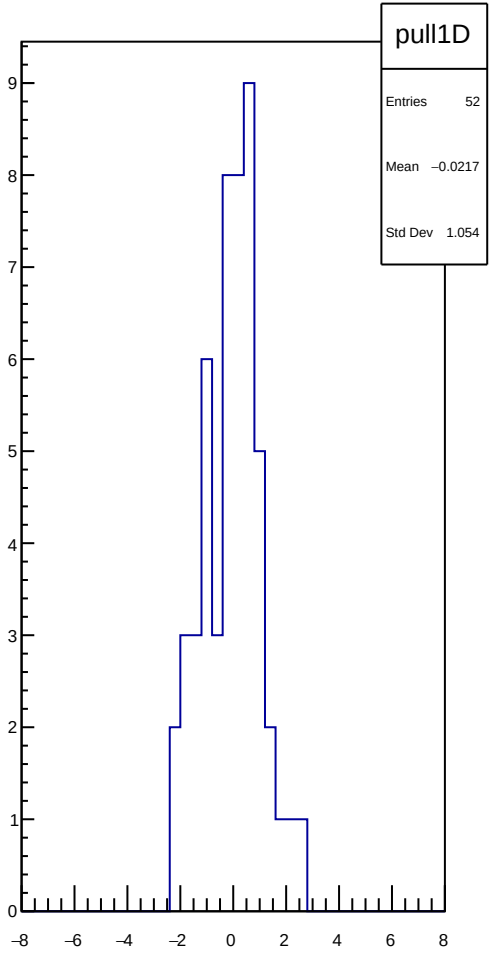
8558. 5
8558. 6

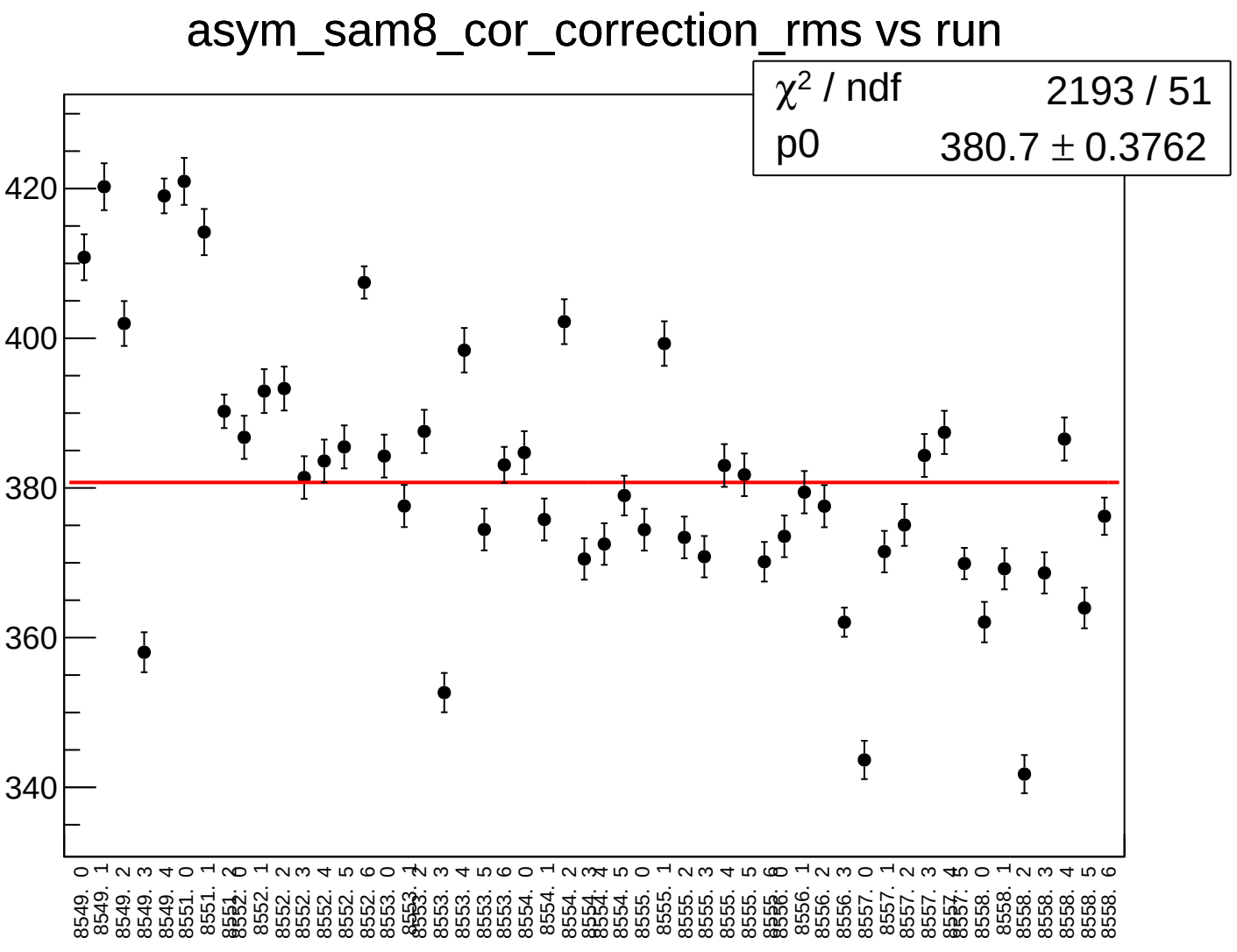

cor_asym_sam8_mean vs run
χ² / ndf 57.28 / 51
p0 196.4 ± 98.81
pull
Entries 52
Mean −274.1
Std Dev 0


pull1D
Entries 52
Mean 0.00509
Std Dev 1.05


cor_asym_sam8_rms vs run
χ² / ndf 3758 / 51
p0 70.67 ± 0.06987
95
90
85
80
75
70
65
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6


asym_sam8_cor_correction_mean vs run
χ² / ndf 57.8 / 51
p0 −892.1± 532
15000
10000
5000
0
−5000
−10000
−15000
pull
Entries 52
Mean −4.061
Std Dev 0
2
1
0
−1
−2


pull1D
Entries 52
Mean −0.0217
Std Dev 1.054
9
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 2193 / 51
p0 380.7 ± 0.3762
420
400
380
360
340
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 5
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
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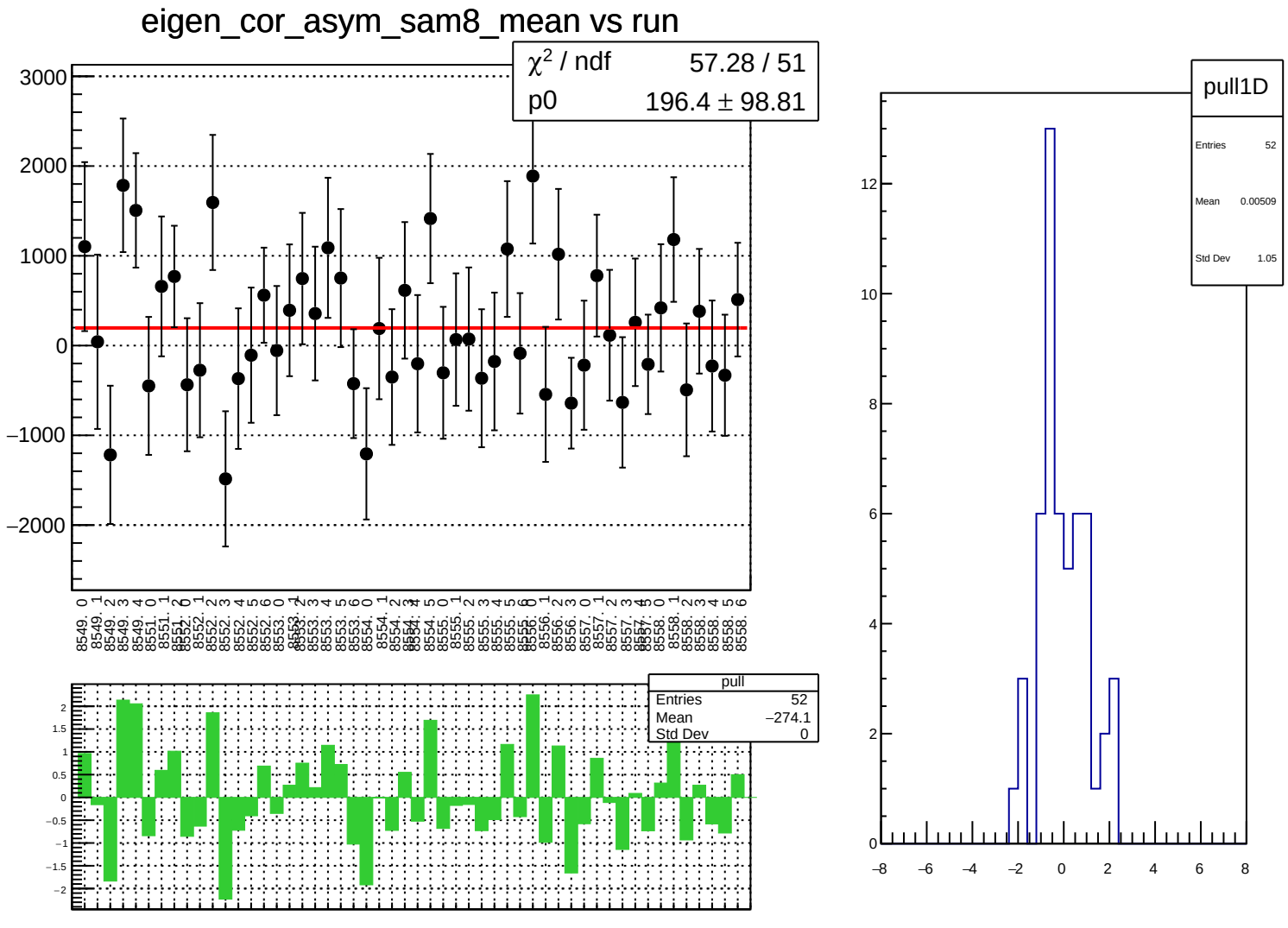
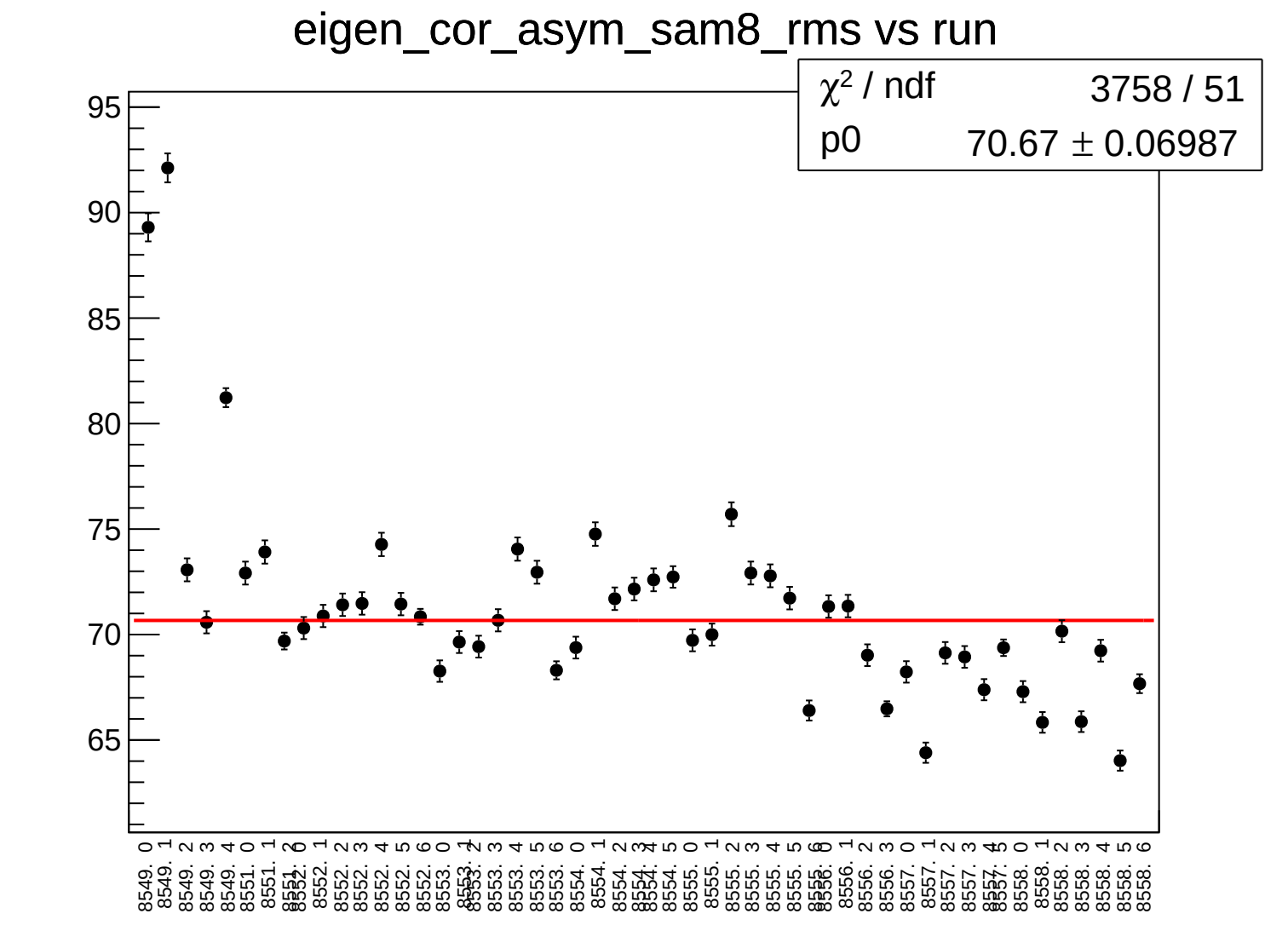
8558. 5
8558. 6


eigen_cor_asym_sam8_mean vs run
χ² / ndf 57.28 / 51
p0 196.4 ± 98.81
3000
2000
1000
0
−1000
−2000
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8551. 2
8551. 6
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 1
8553. 2
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 3
8554. 4
8554. 5
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8555. 6
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8557. 4
8557. 5
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6
pull
Entries 52
Mean −274.1
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 52
Mean 0.00509
Std Dev 1.05
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 3758 / 51
p0 70.67 ± 0.06987
95
90
85
80
75
70
65
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 5
8555. 0
8555. 1
8555. 2
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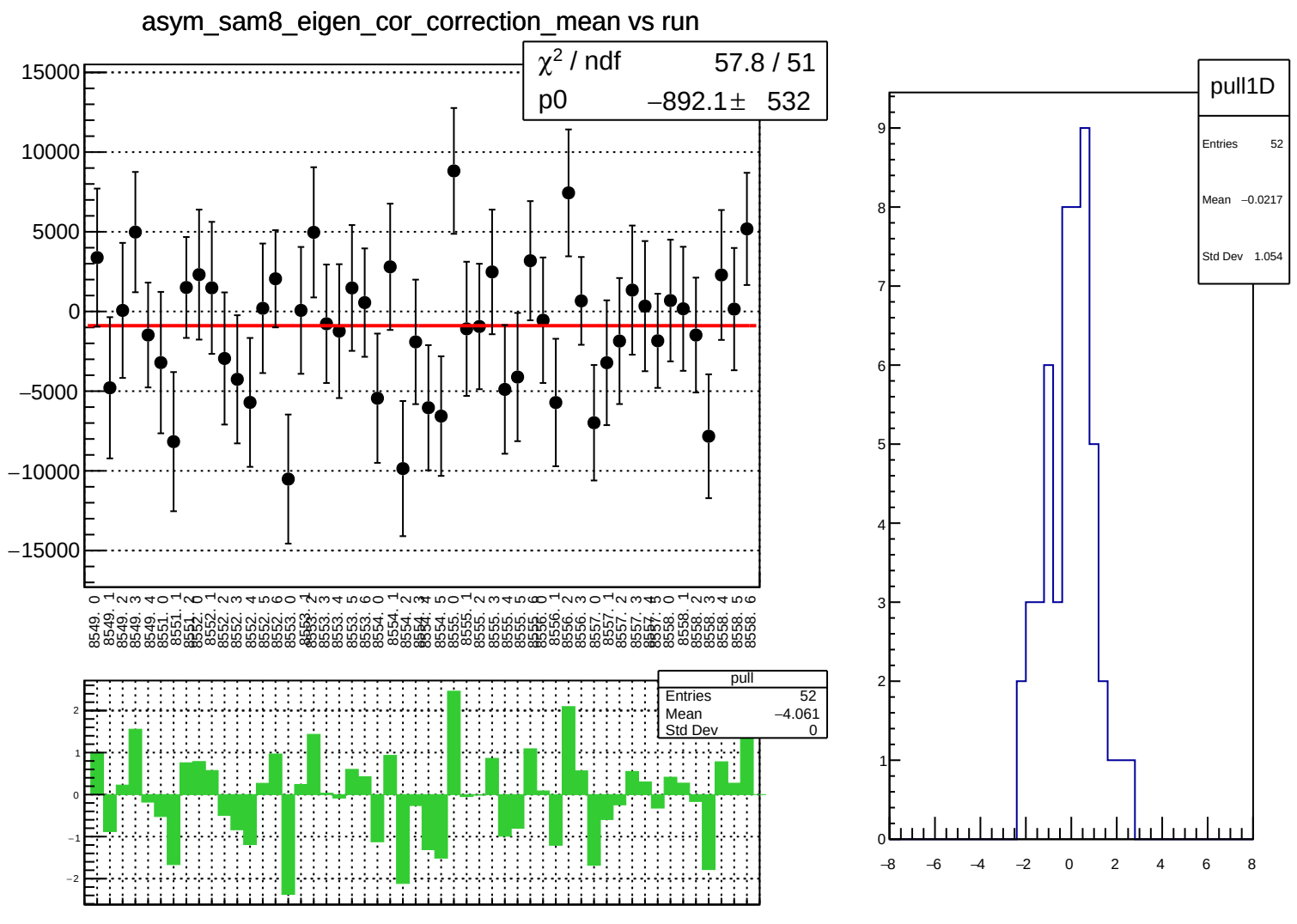
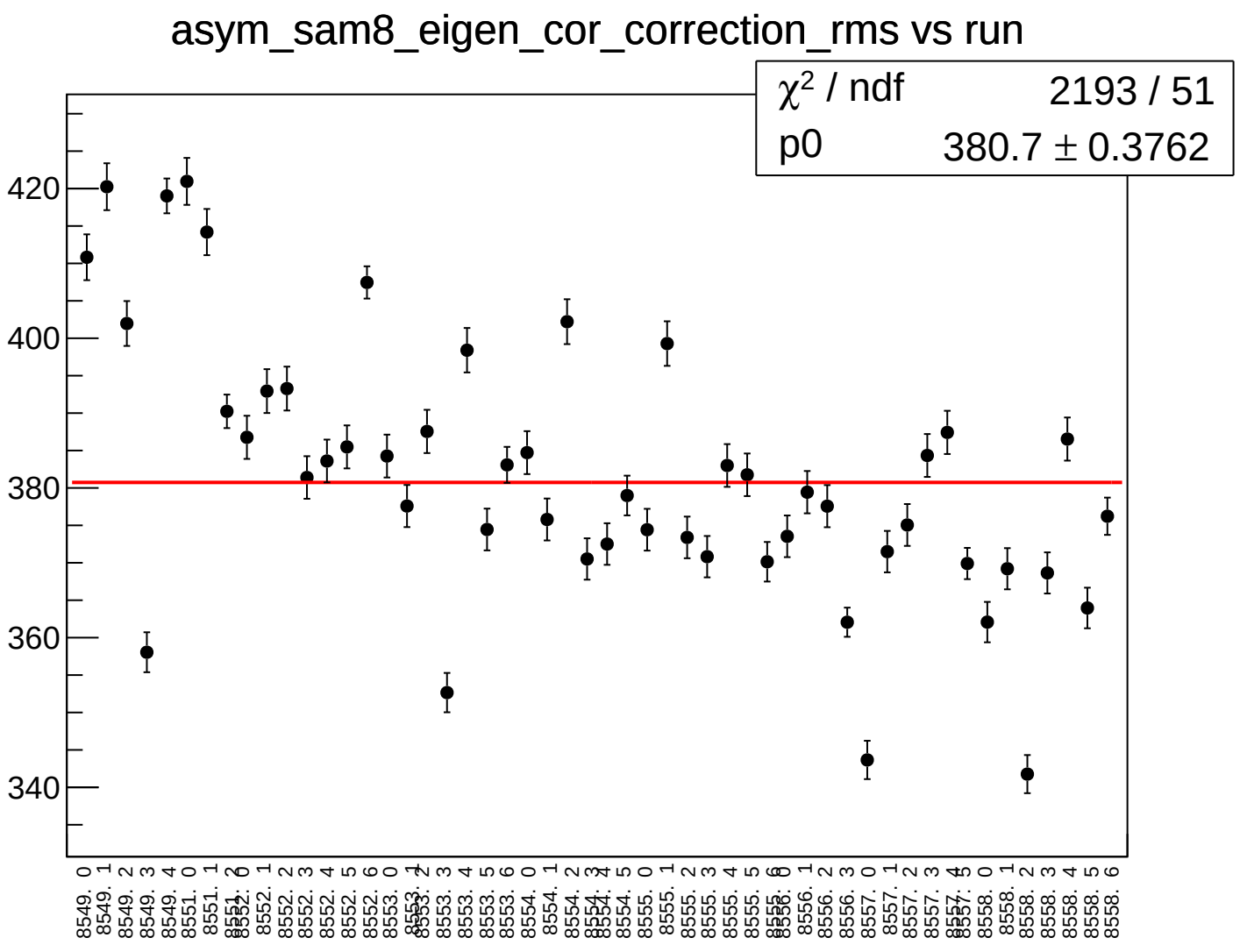
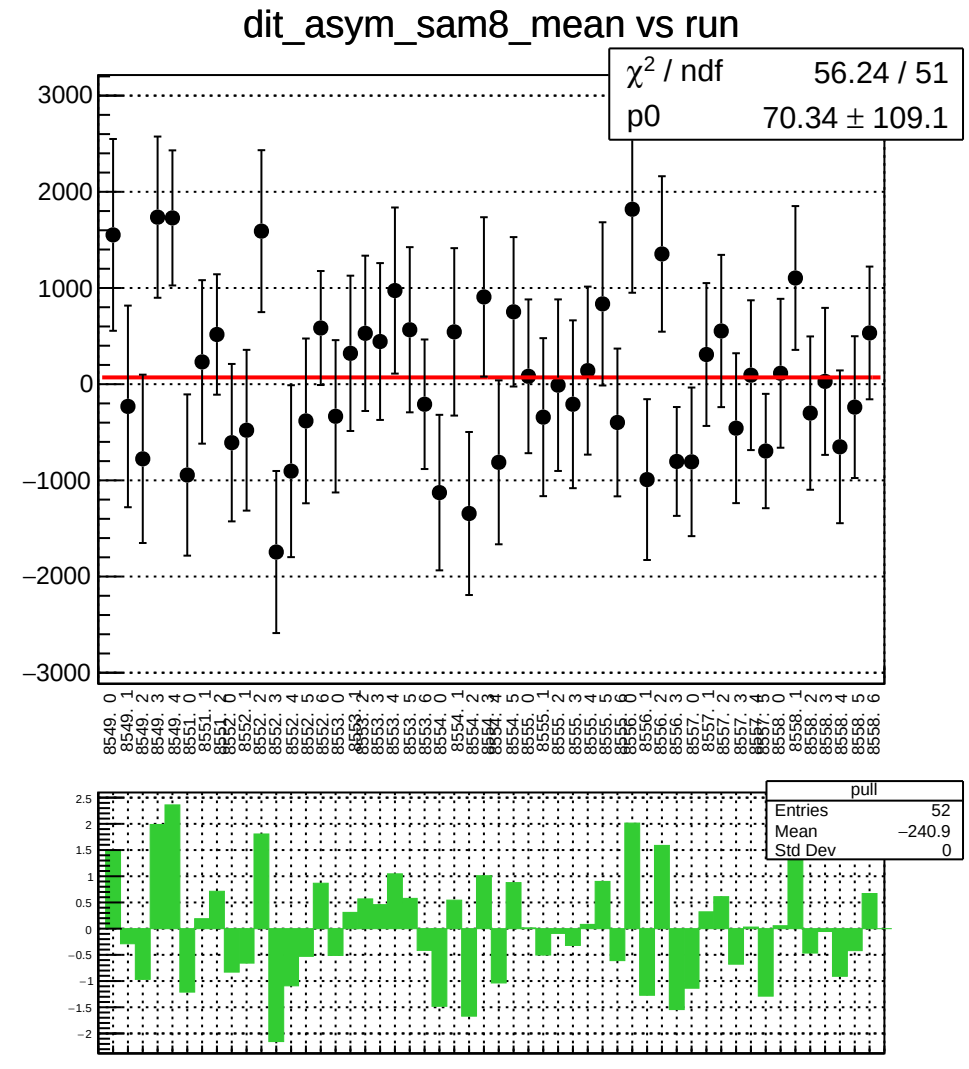
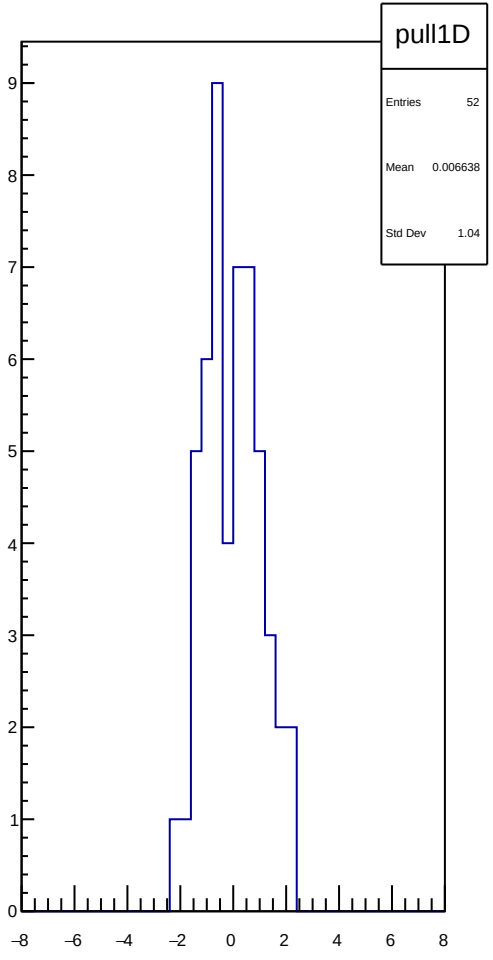
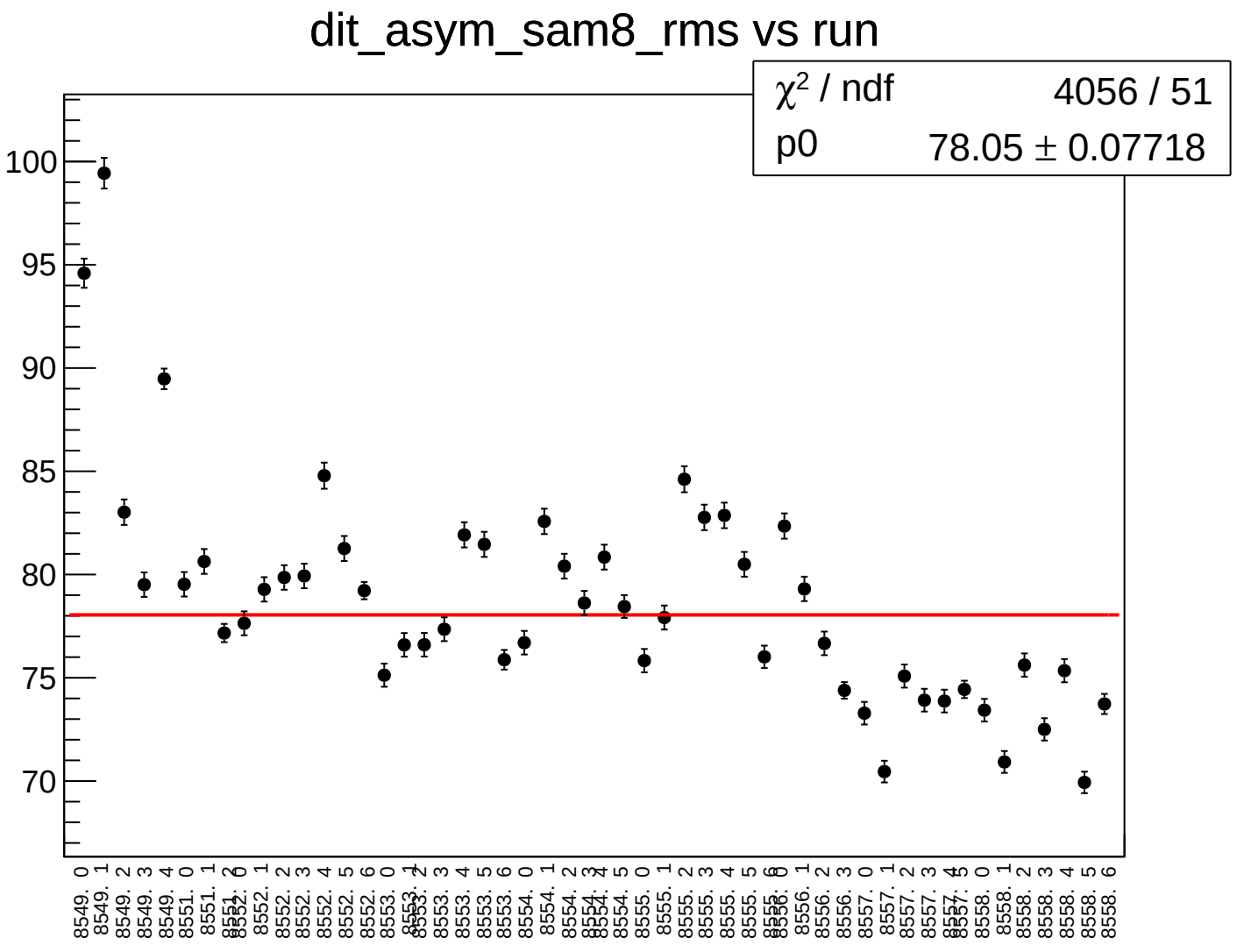
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6


asym_sam8_eigen_cor_correction_mean vs run
χ² / ndf 57.8 / 51
p0 −892.1± 532
pull
Entries 52
Mean −4.061
Std Dev 0
pull1D
Entries 52
Mean −0.0217
Std Dev 1.054


asym_sam8_eigen_cor_correction_rms vs run
χ² / ndf 2193 / 51
p0 380.7 ± 0.3762
420
400
380
360
340
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 5
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6


dit_asym_sam8_mean vs run
χ² / ndf 56.24 / 51
p0 70.34 ± 109.1
pull
Entries 52
Mean −240.9
Std Dev 0


pull1D
Entries 52
Mean 0.006638
Std Dev 1.04


dit_asym_sam8_rms vs run
χ^2 / ndf 4056 / 51
p0 78.05 ± 0.07718
100
95
90
85
80
75
70
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
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8554. 1
8554. 2
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8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
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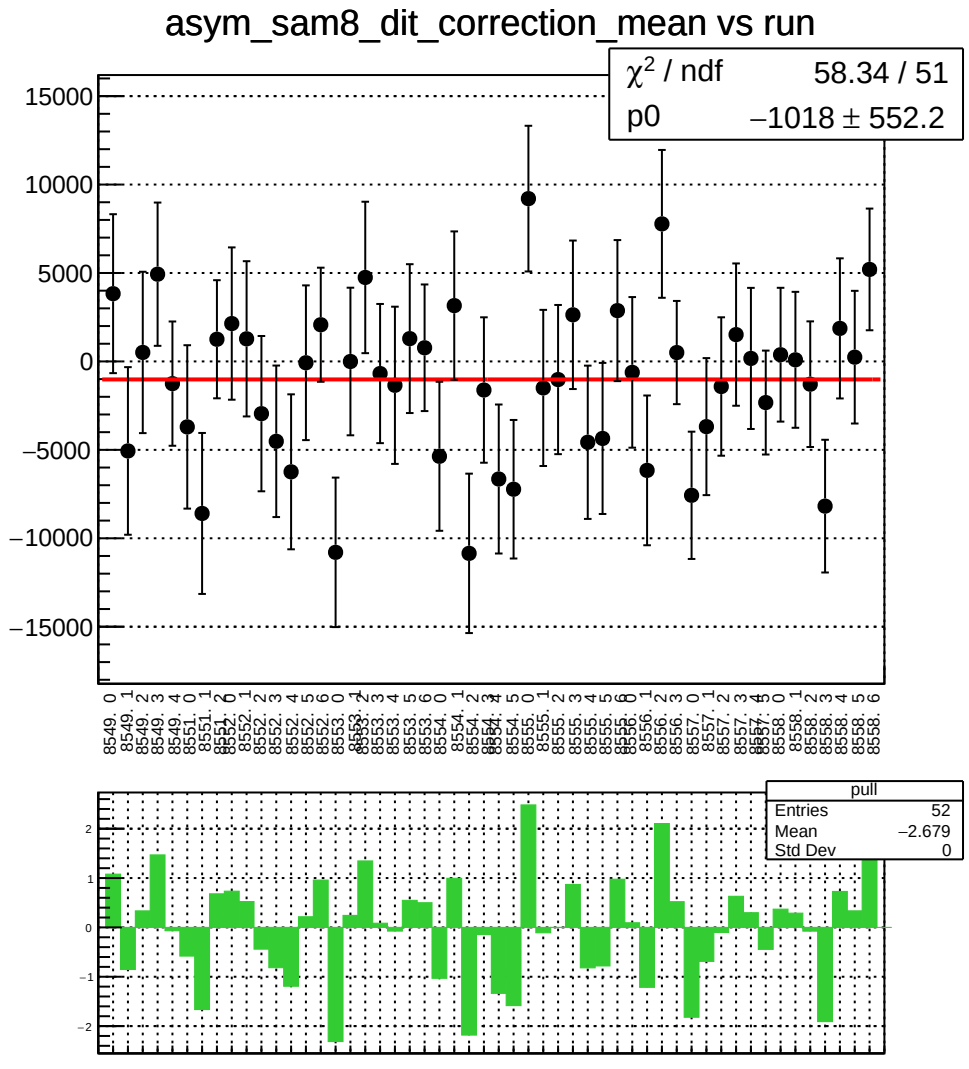
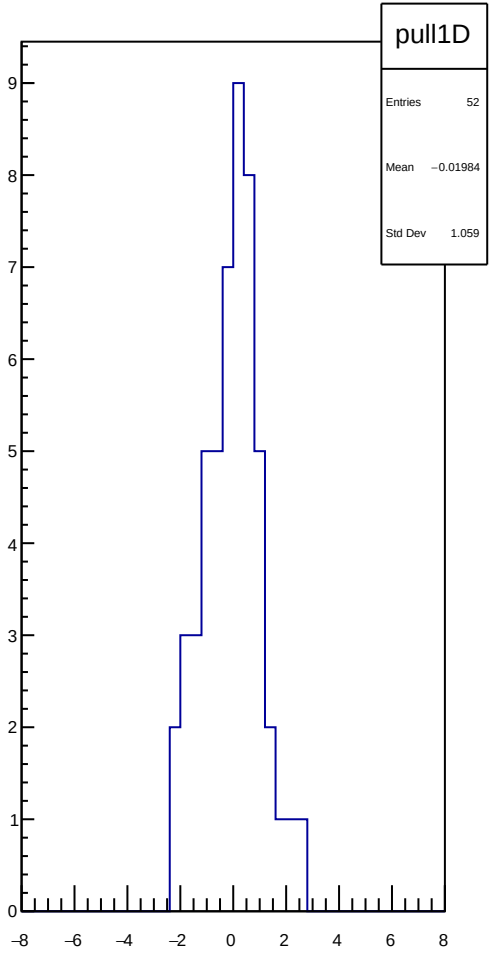
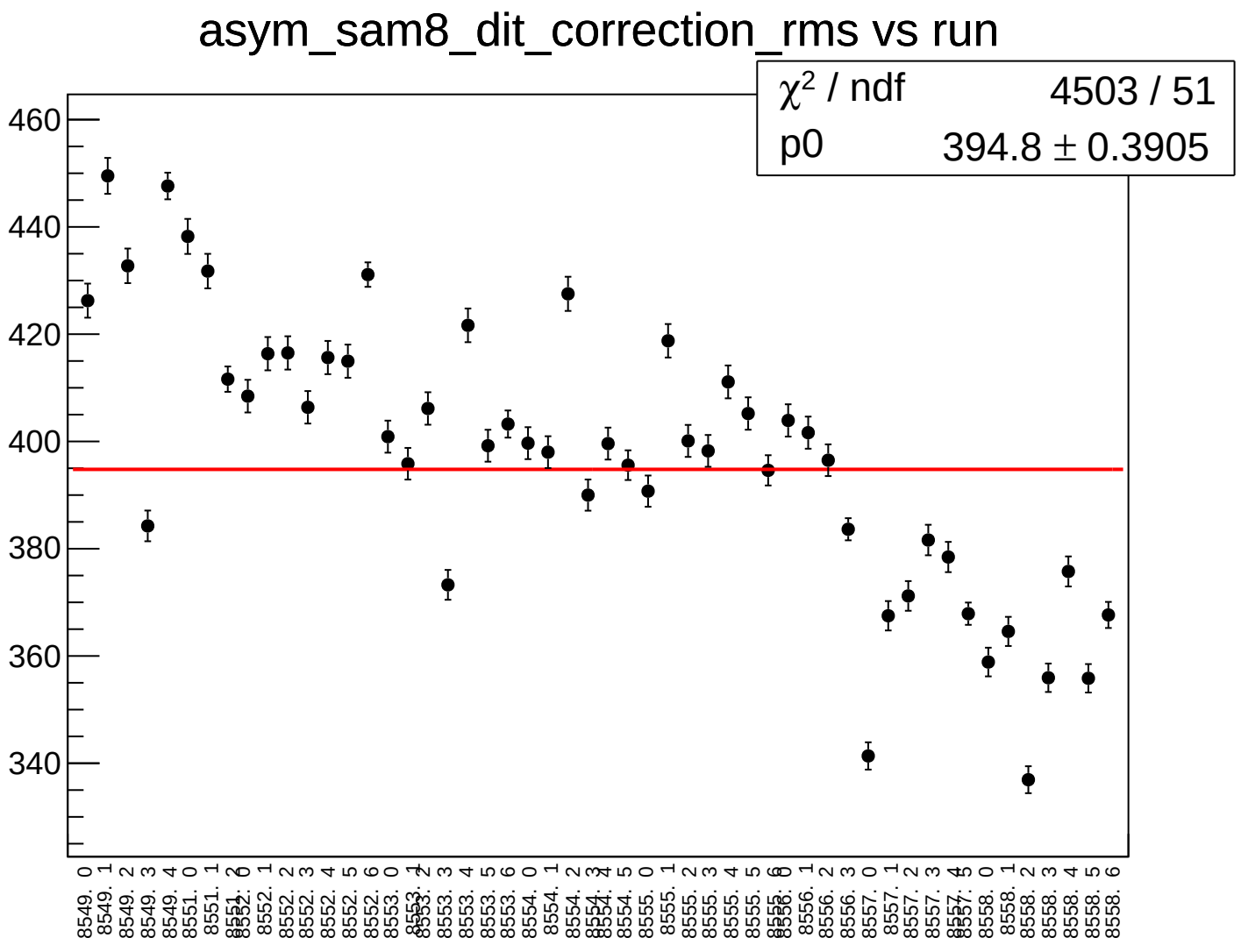
8558. 5
8558. 6


asym_sam8_dit_correction_mean vs run
χ² / ndf 58.34 / 51
p0 −1018 ± 552.2
pull
Entries 52
Mean −2.679
Std Dev 0


pull1D
Entries 52
Mean −0.01984
Std Dev 1.059


asym_sam8_dit_correction_rms vs run
χ² / ndf 4503 / 51
p0 394.8 ± 0.3905
460
440
420
400
380
360
340
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
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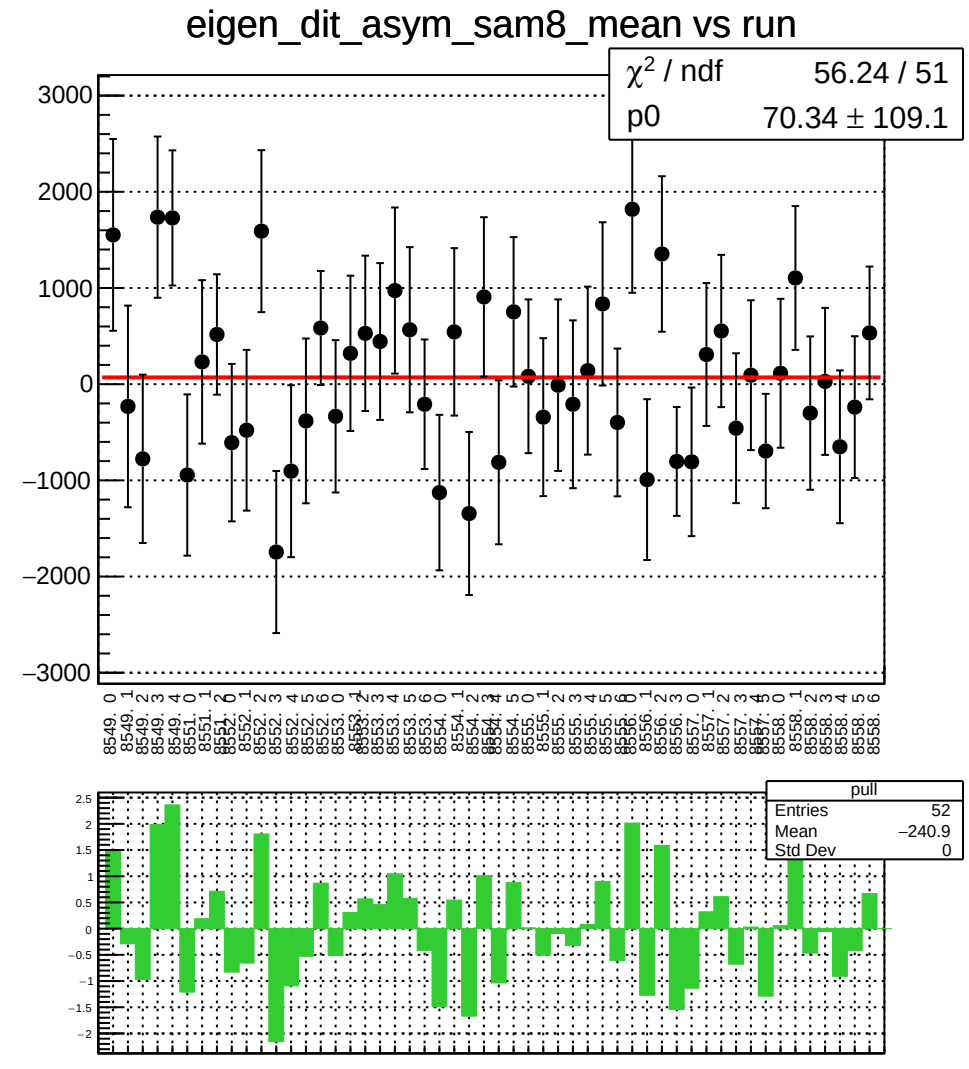
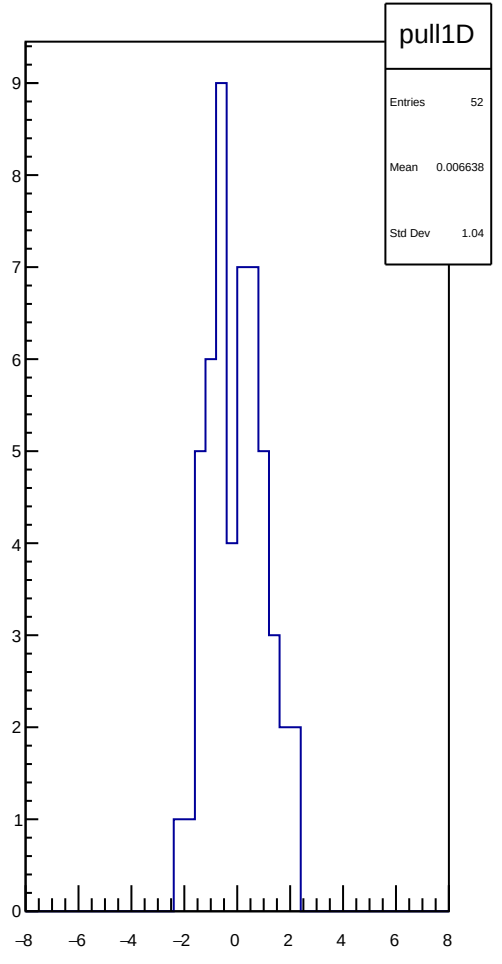
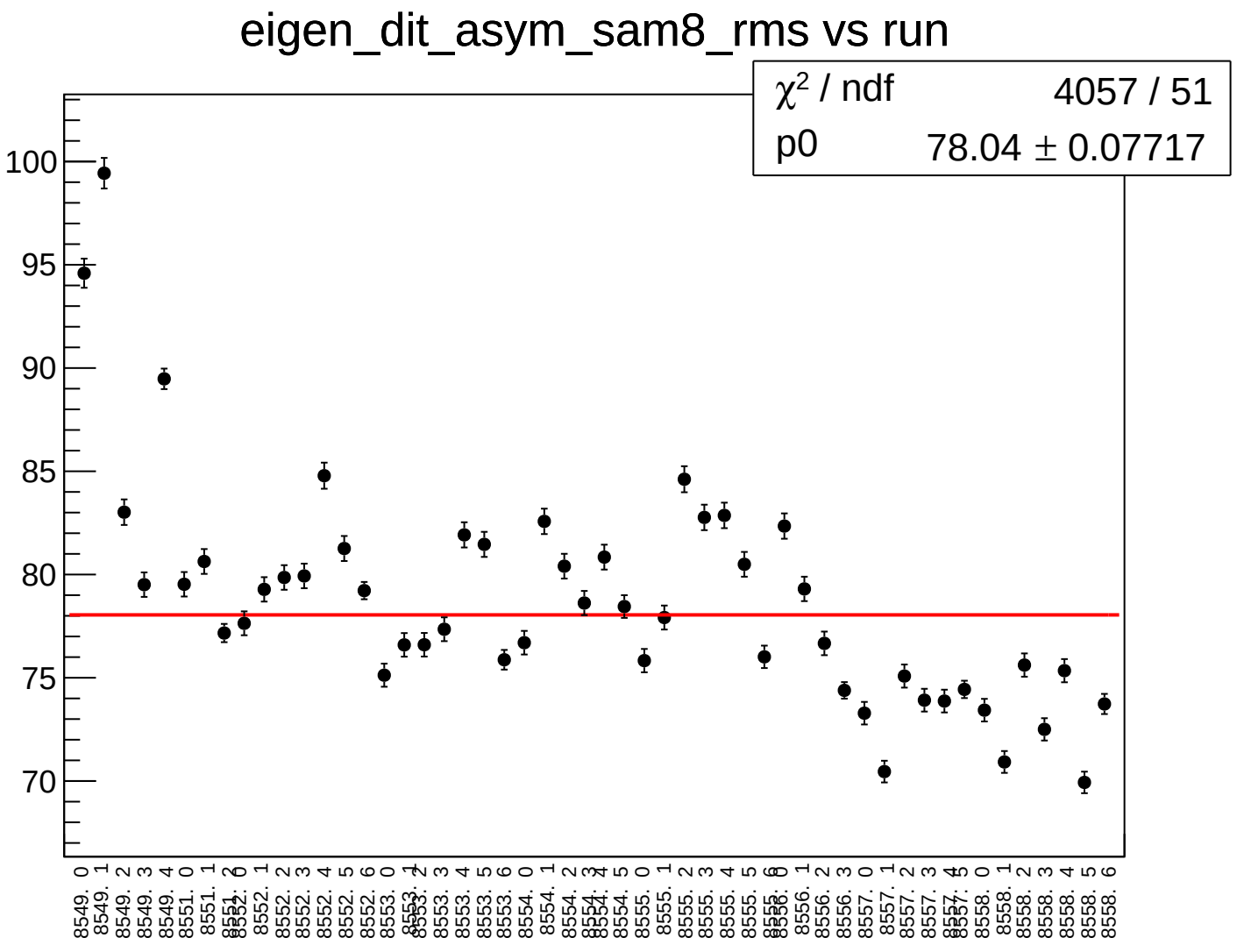
8558. 6


eigen_dit_asym_sam8_mean vs run
χ² / ndf 56.24 / 51
p0 70.34 ± 109.1
pull
Entries 52
Mean −240.9
Std Dev 0


pull1D
Entries 52
Mean 0.006638
Std Dev 1.04


eigen_dit_asym_sam8_rms vs run
χ² / ndf 4057 / 51
p0 78.04 ± 0.07717
100
95
90
85
80
75
70
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
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8552. 5
8552. 6
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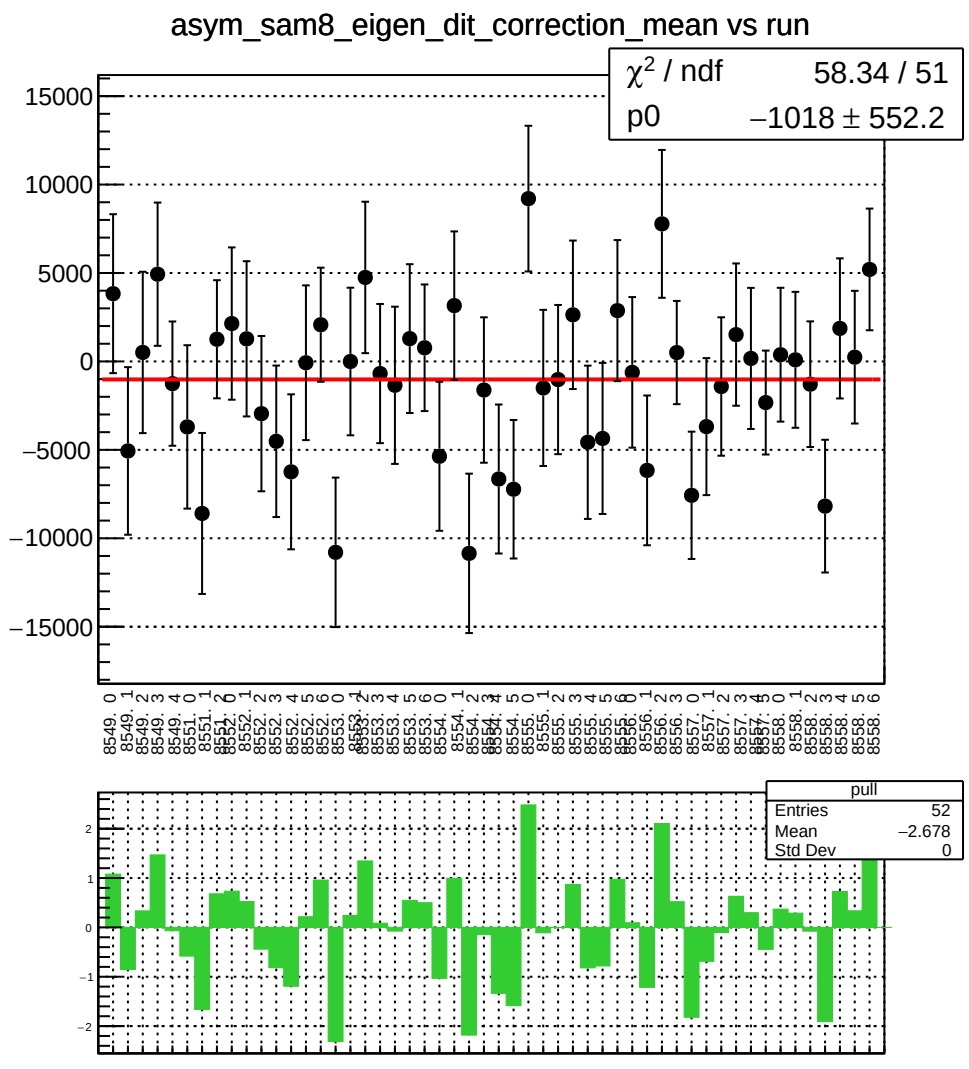
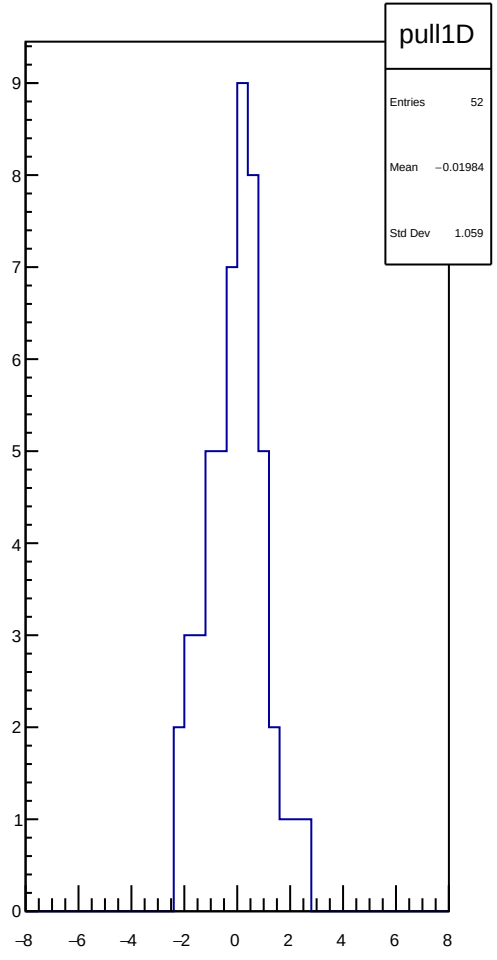
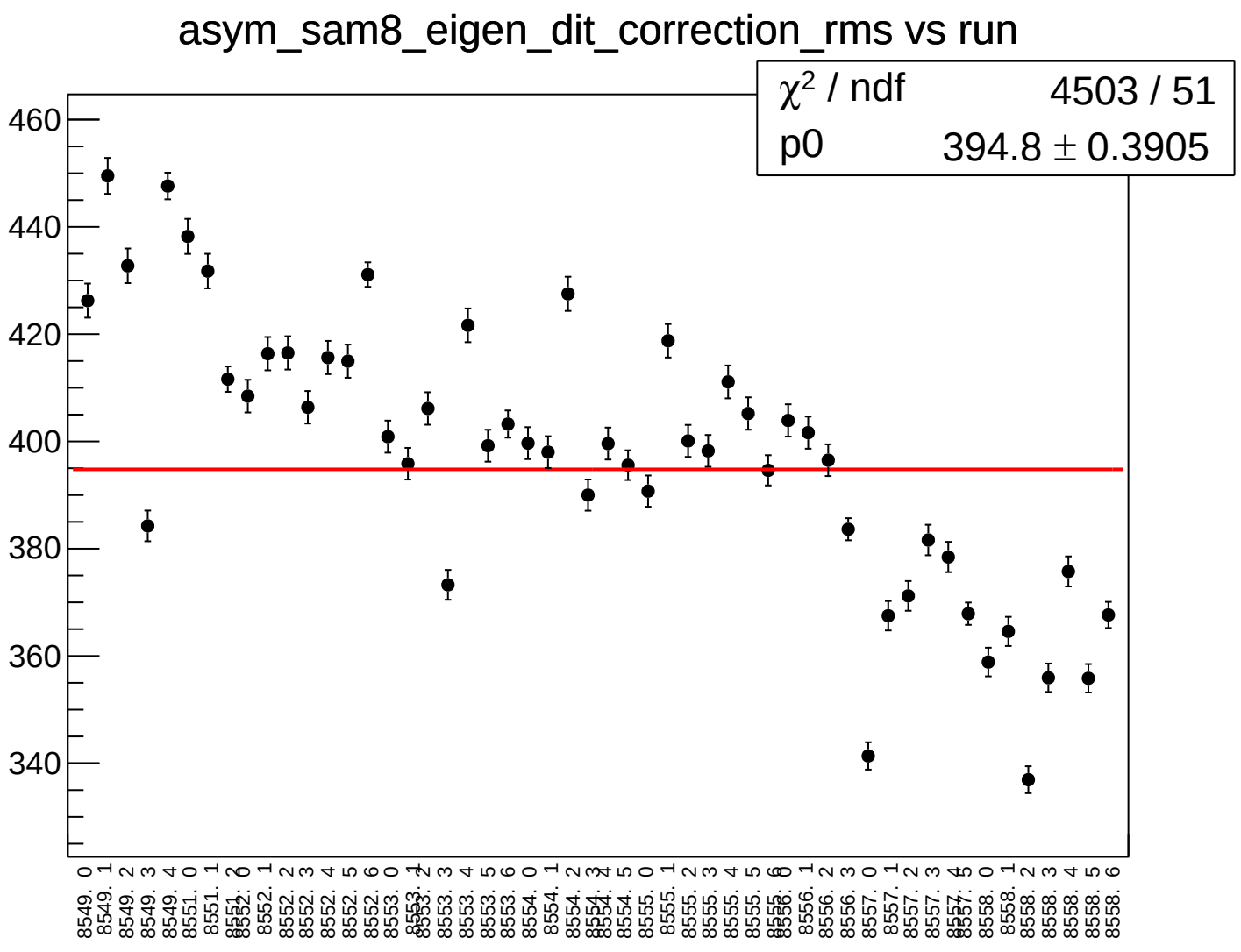
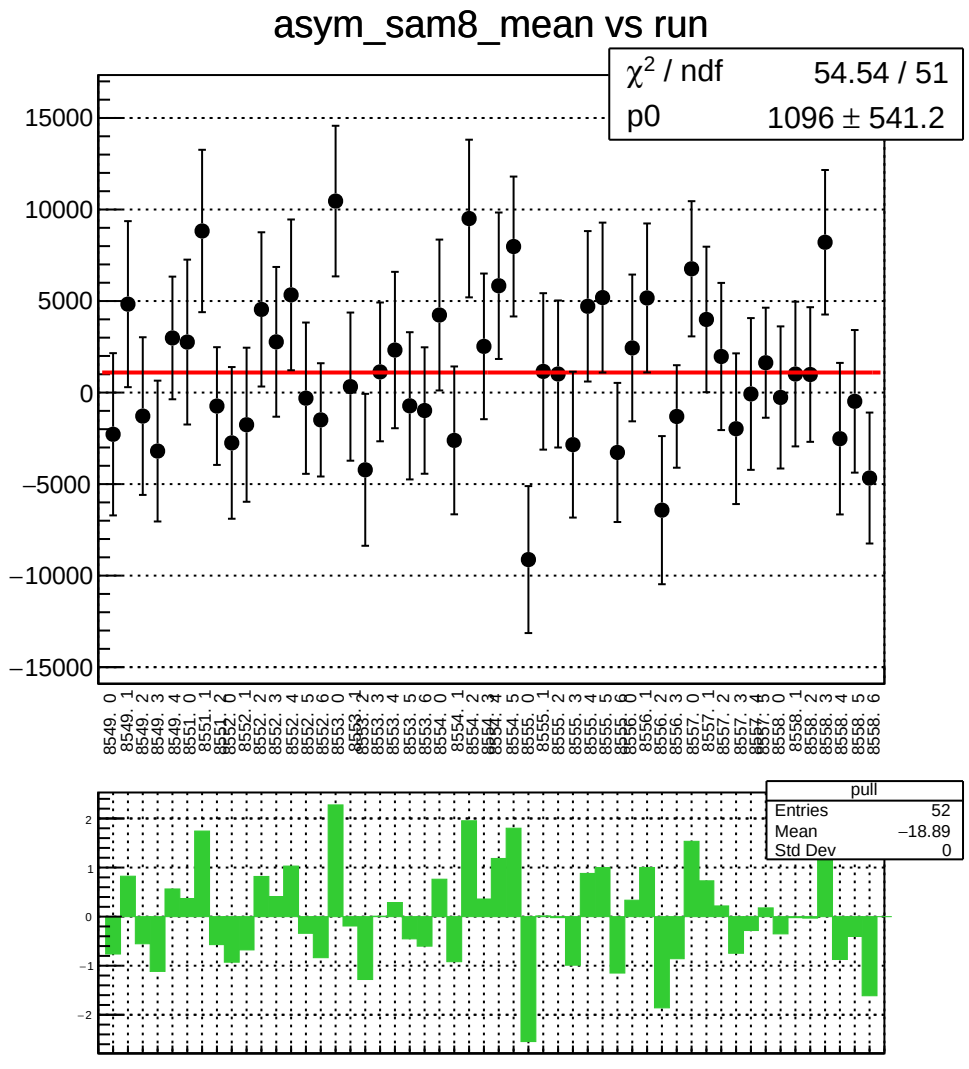
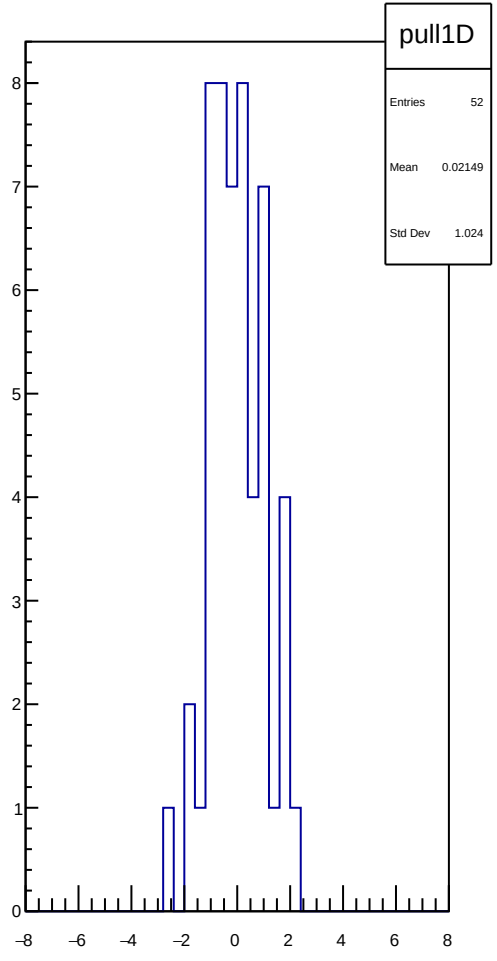
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

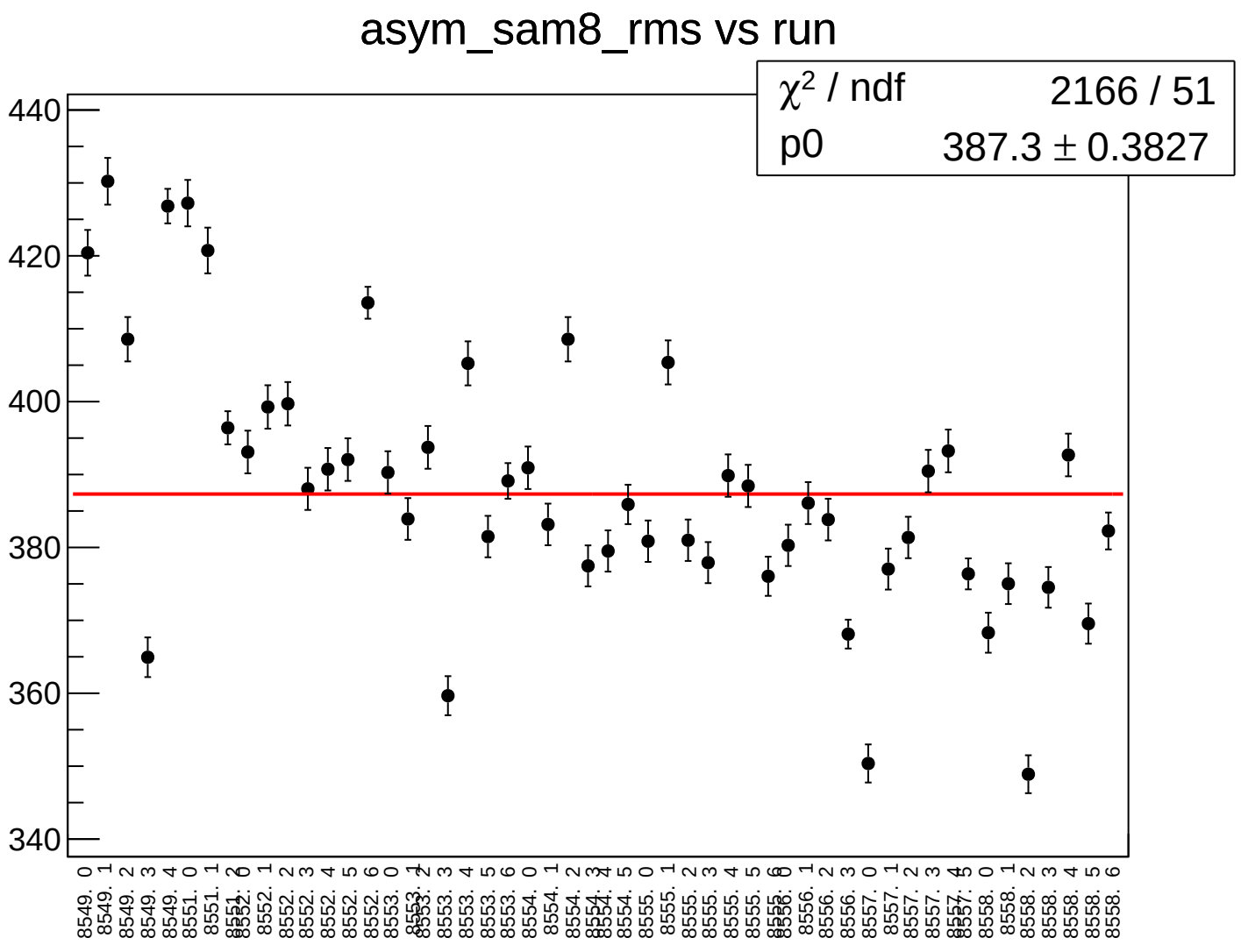

asym_sam8_eigen_dit_correction_mean vs run
χ² / ndf 58.34 / 51
p0 −1018 ± 552.2
15000
10000
5000
0
−5000
−10000
−15000
pull
Entries 52
Mean −2.678
Std Dev 0
2
1
0
−1
−2

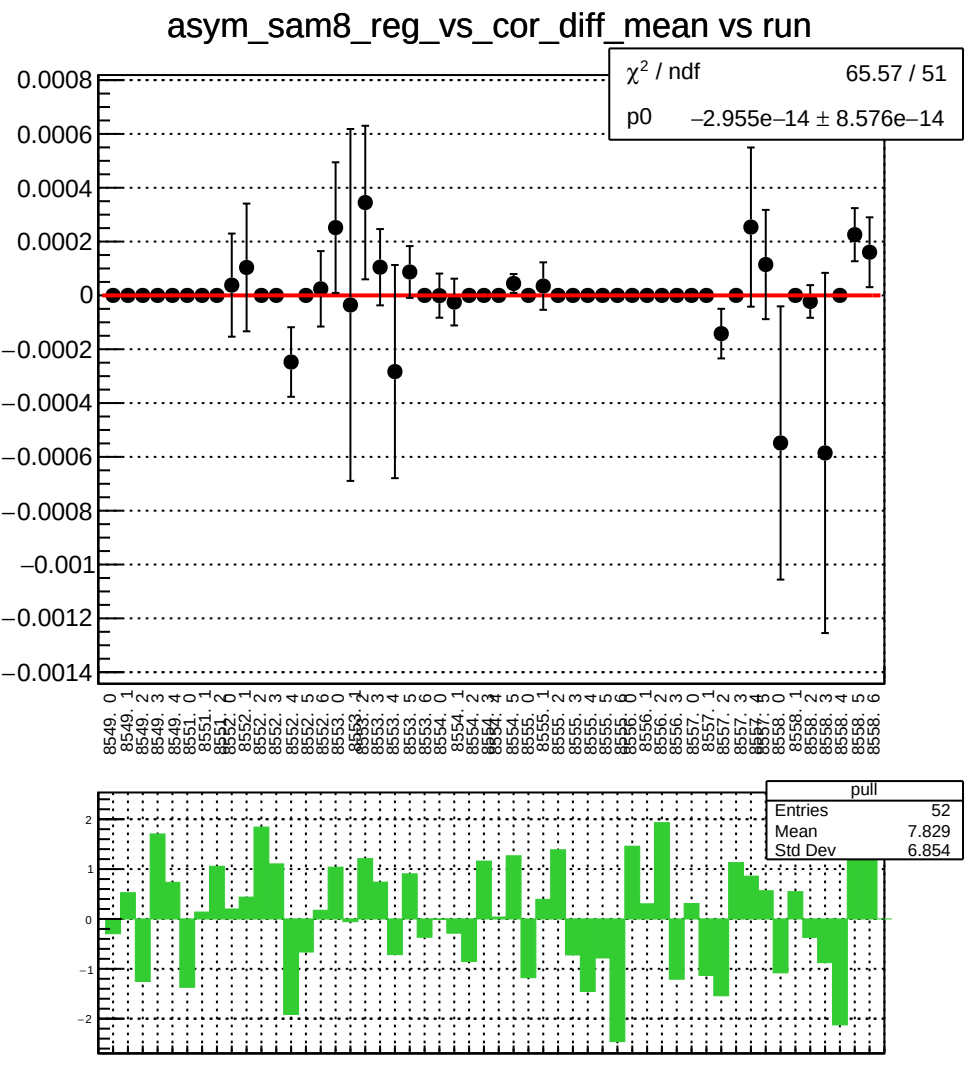

pull1D
Entries 52
Mean −0.01984
Std Dev 1.059
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

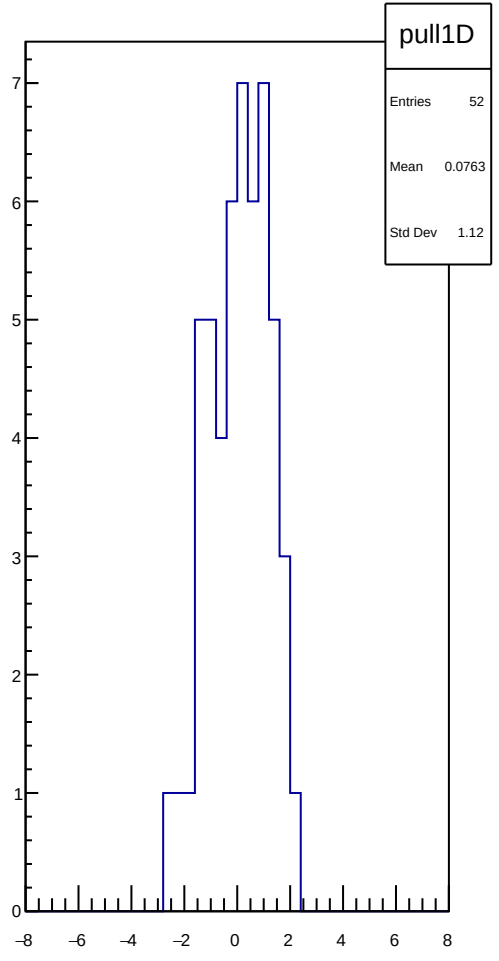

asym_sam8_eigen_dit_correction_rms vs run
χ² / ndf 4503 / 51
p0 394.8 ± 0.3905
460
440
420
400
380
360
340
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

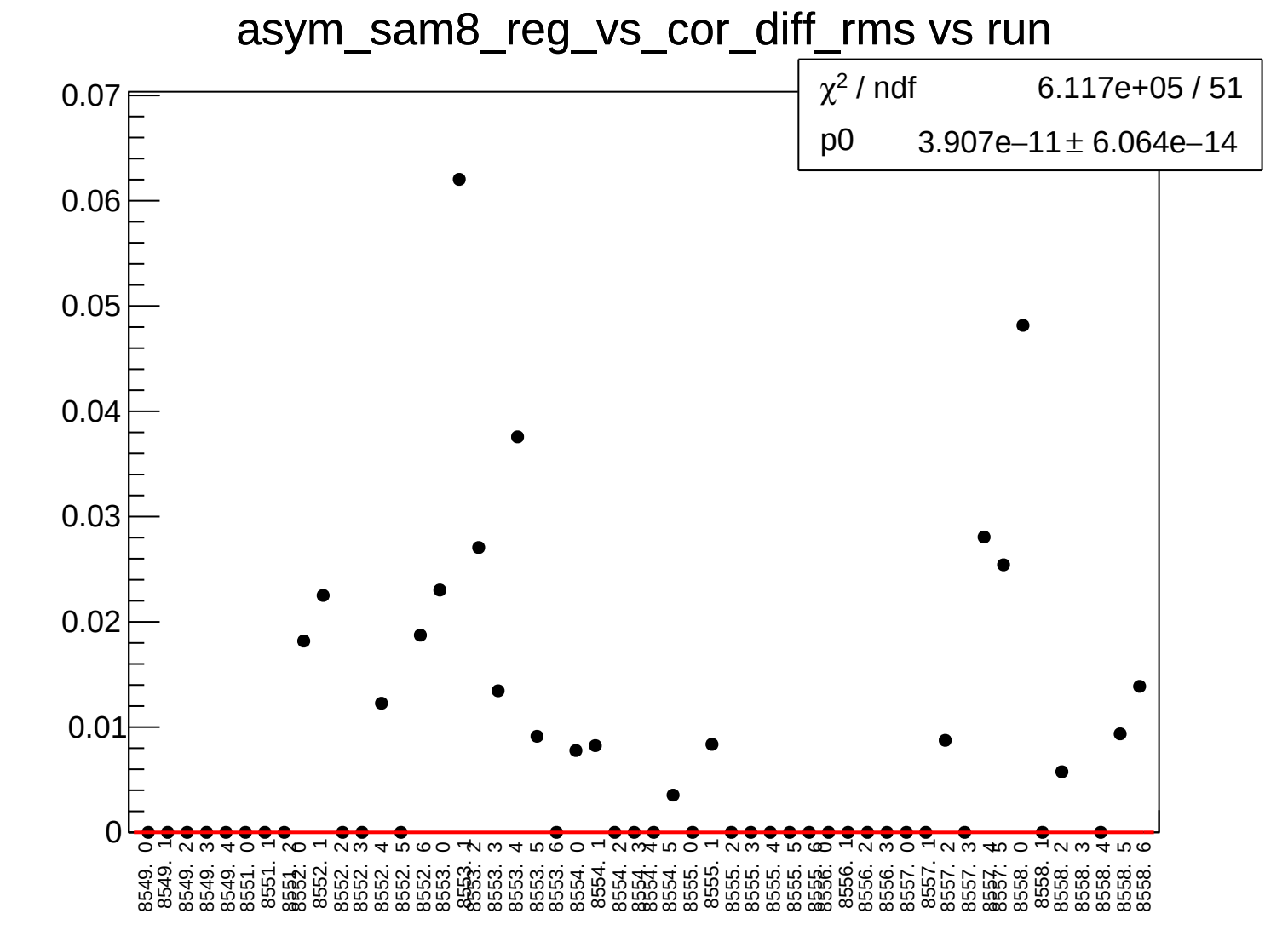

asym_sam8_mean vs run
χ² / ndf 54.54 / 51
p0 1096 ± 541.2
15000
10000
5000
0
−5000
−10000
−15000
pull
Entries 52
Mean −18.89
Std Dev 0
2
1
0
−1
−2

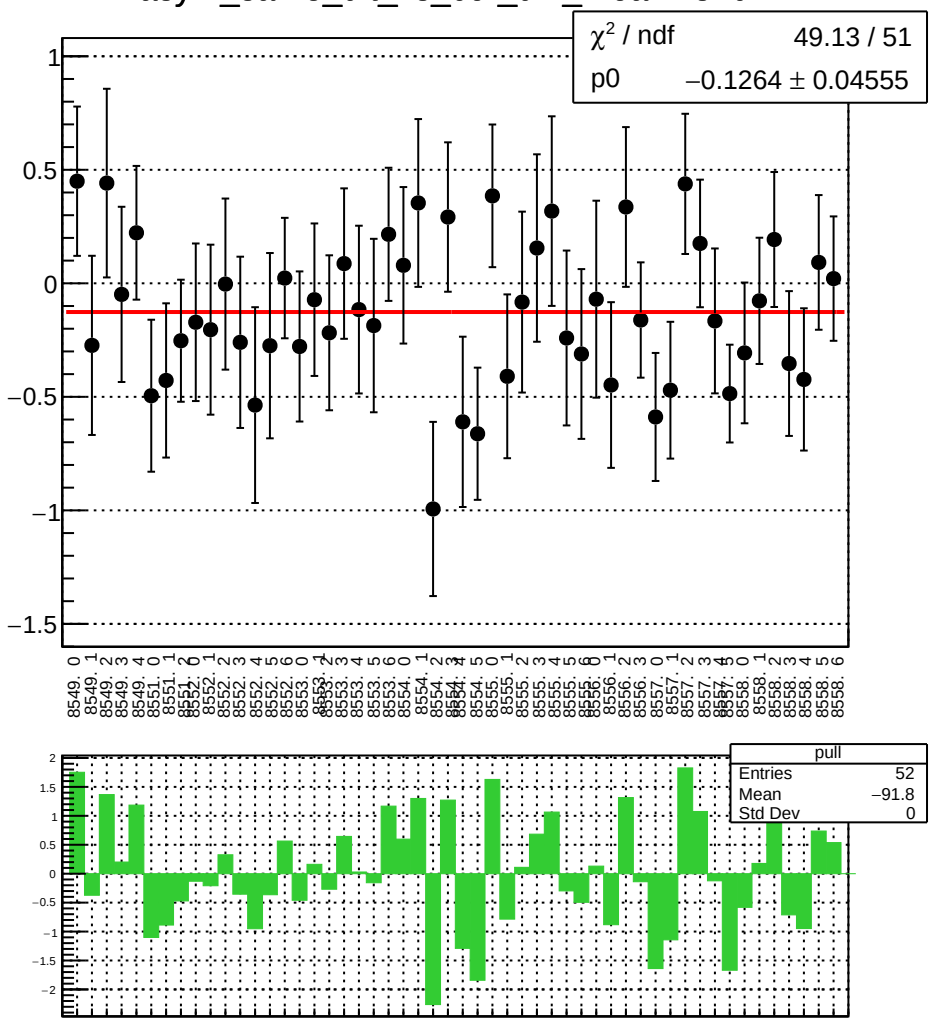

pull1D
Entries 52
Mean 0.02149
Std Dev 1.024
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

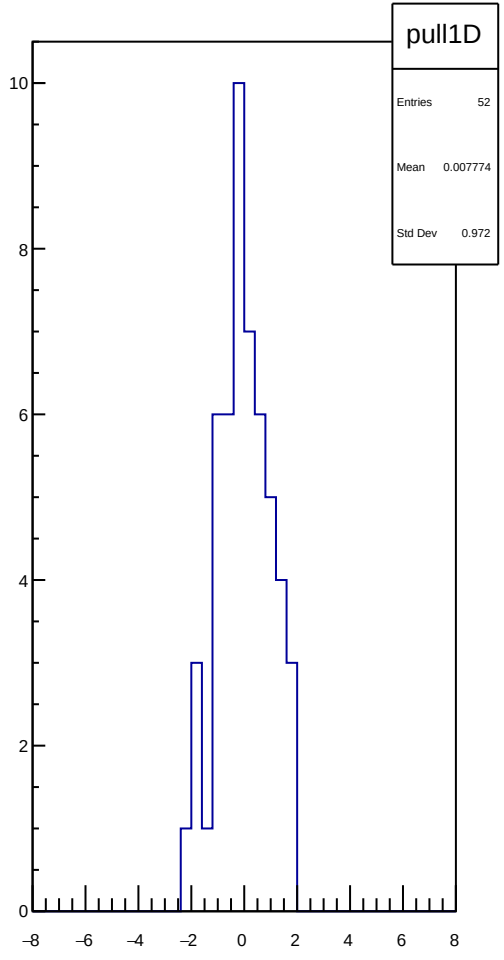

asym_sam8_rms vs run
χ² / ndf 2166 / 51
p0 387.3 ± 0.3827
440
420
400
380
360
340
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

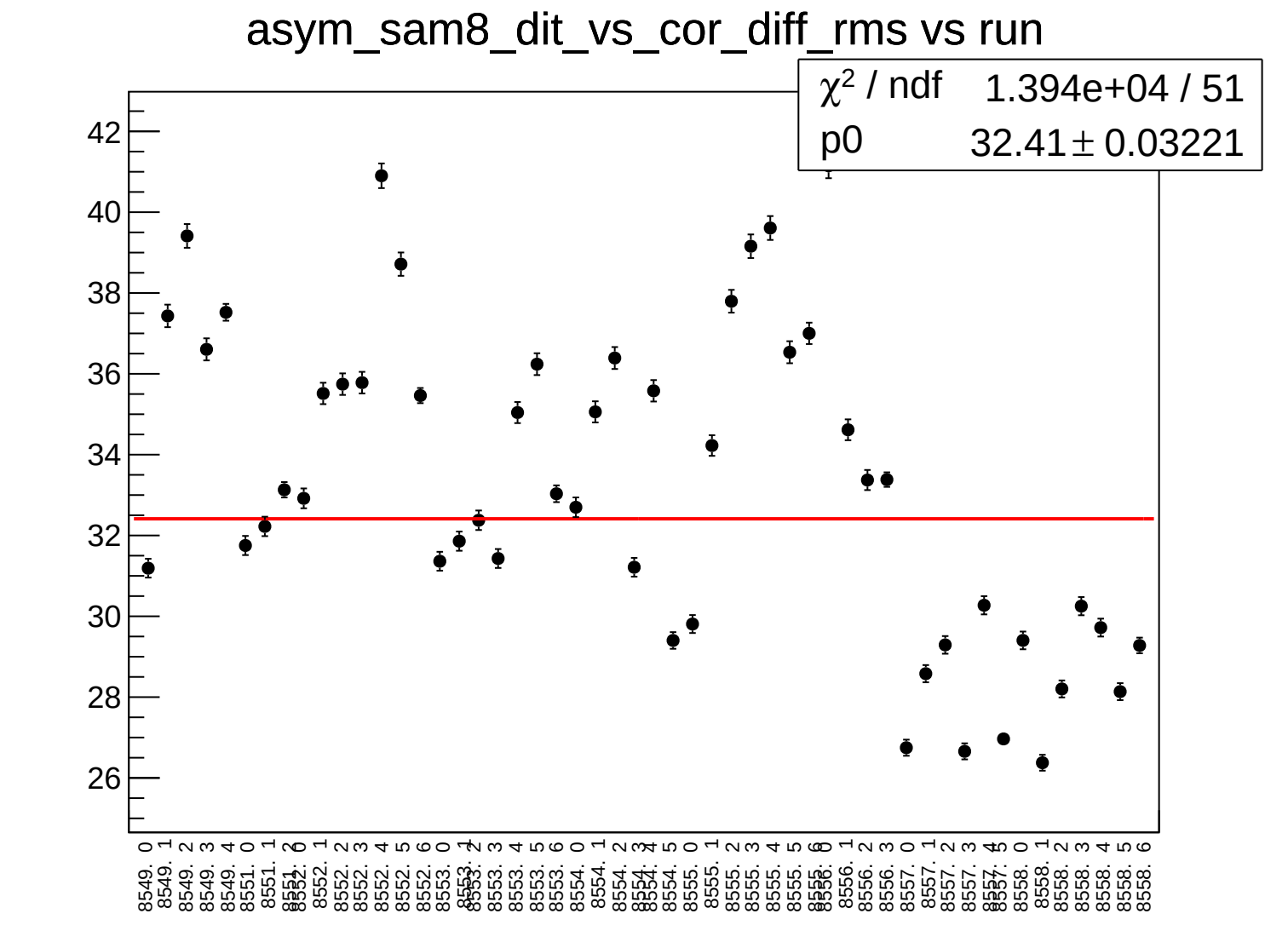

asym_sam8_reg_vs_cor_diff_mean vs run
χ² / ndf 65.57 / 51
p0 −2.955e−14 ± 8.576e−14
pull
Entries 52
Mean 7.829
Std Dev 6.854

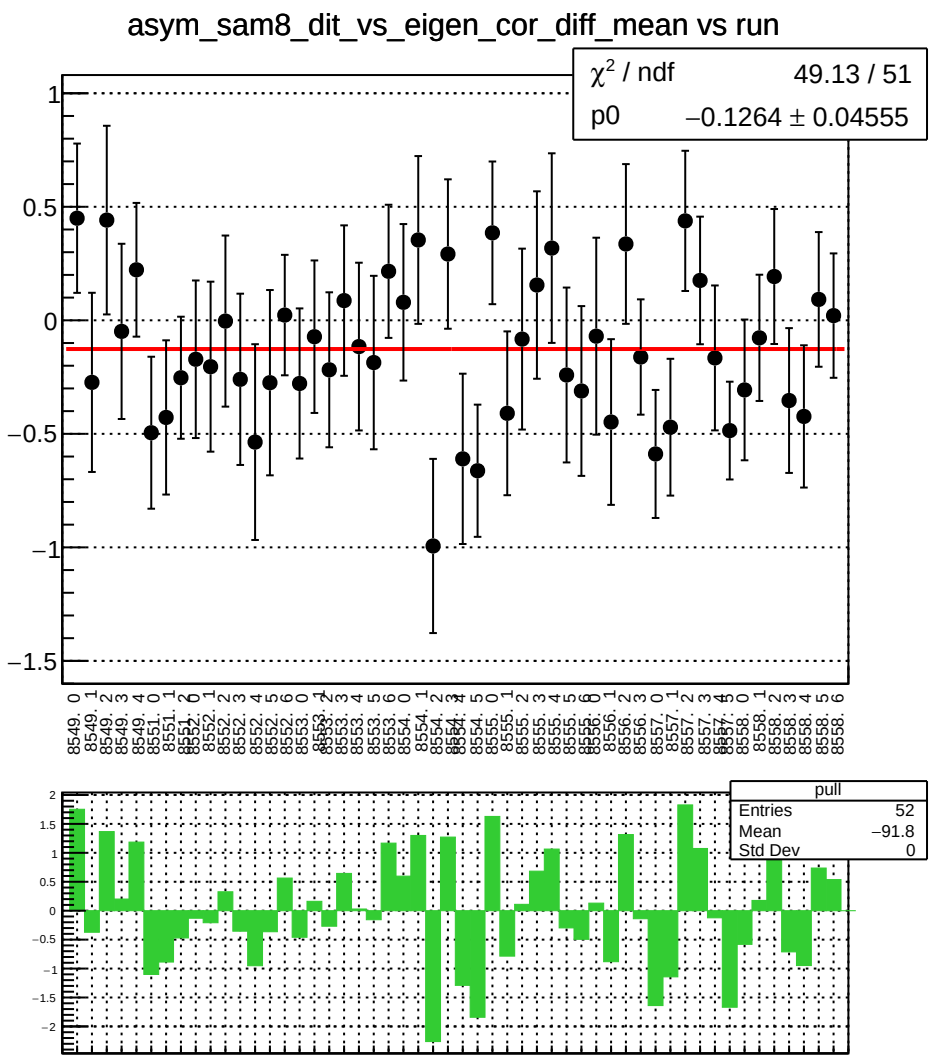

pull1D
Entries 52
Mean 0.0763
Std Dev 1.12

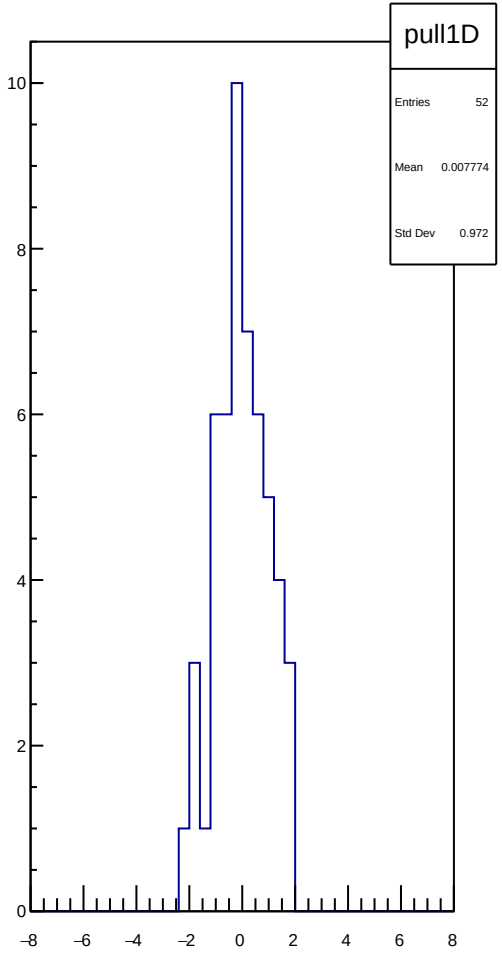

asym_sam8_reg_vs_cor_diff_rms vs run
χ² / ndf 6.117e+05 / 51
p0 3.907e−11 ± 6.064e−14
0.07
0.06
0.05
0.04
0.03
0.02
0.01
0

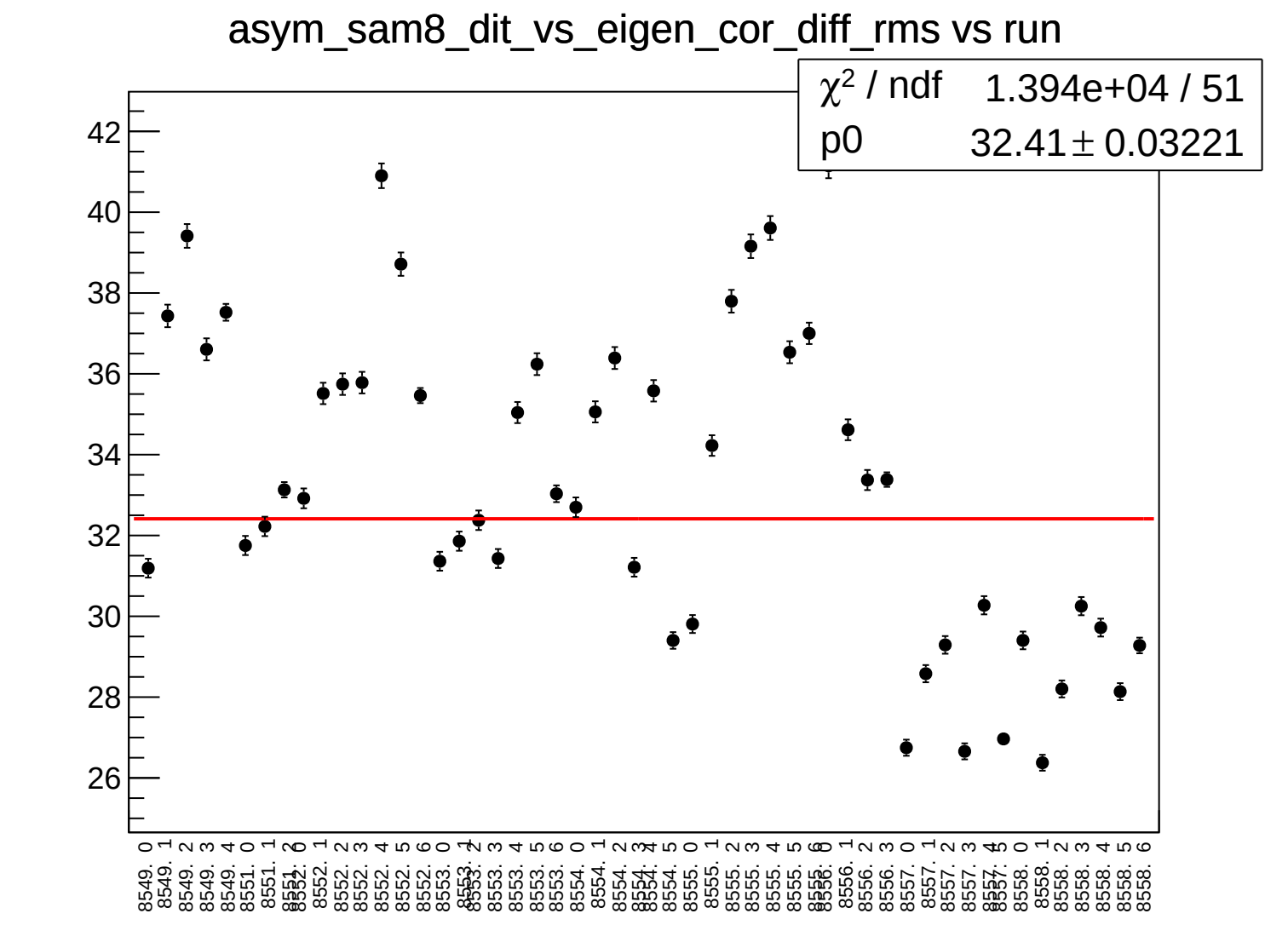

asym_sam8_dit_vs_cor_diff_mean vs run
χ² / ndf 49.13 / 51
p0 −0.1264 ± 0.04555
pull
Entries 52
Mean −91.8
Std Dev 0

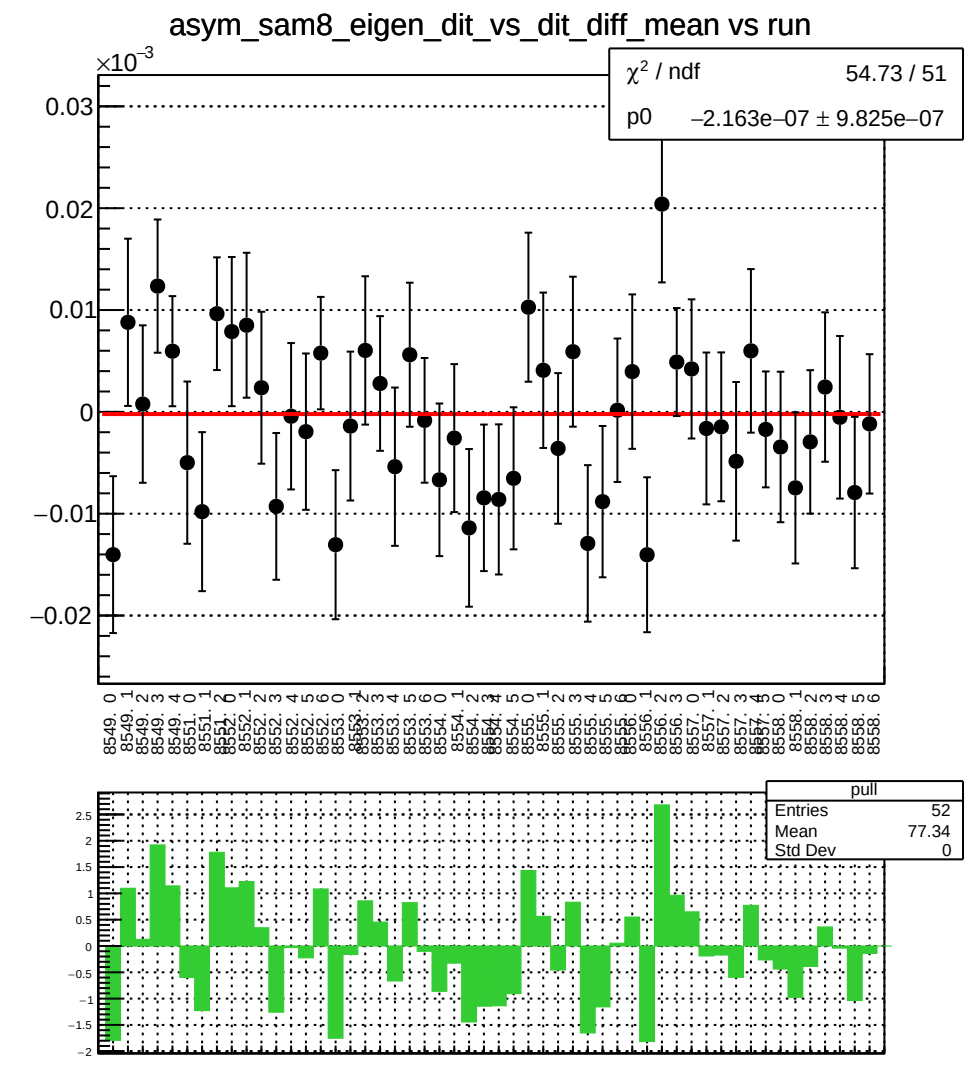

pull1D
Entries 52
Mean 0.007774
Std Dev 0.972

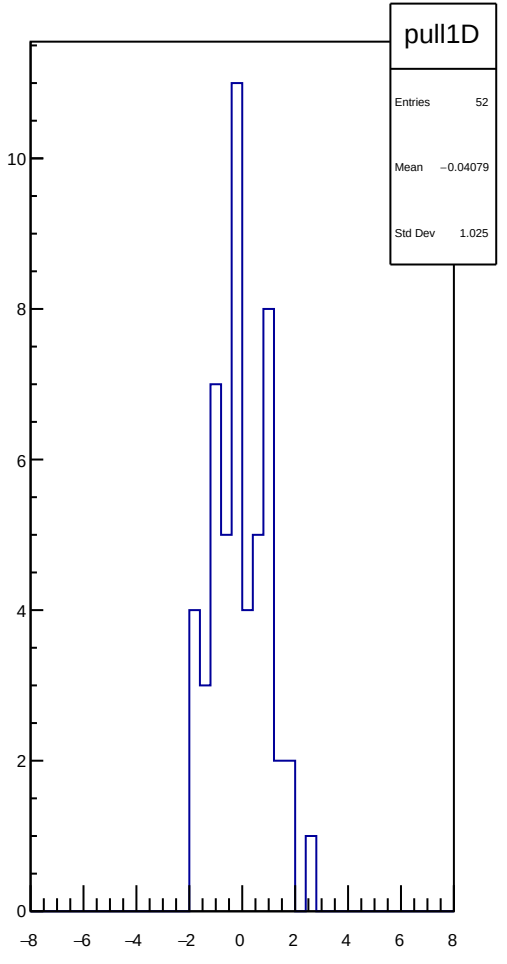

asym_sam8_dit_vs_cor_diff_rms vs run
χ² / ndf 1.394e+04 / 51
p0 32.41 ± 0.03221
42
40
38
36
34
32
30
28
26
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 5
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

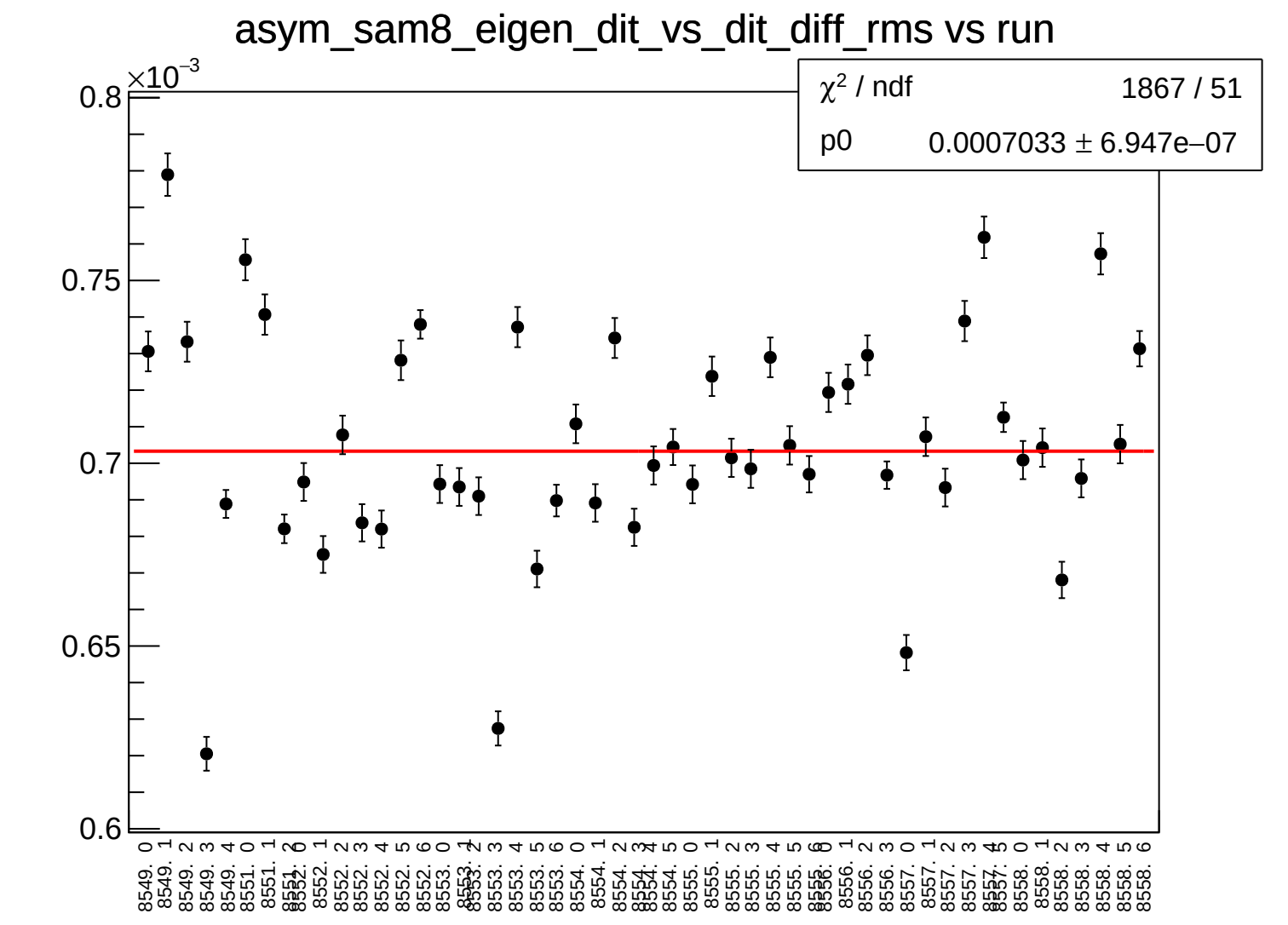

asym_sam8_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 49.13 / 51
p0 −0.1264 ± 0.04555
pull
Entries 52
Mean −91.8
Std Dev 0

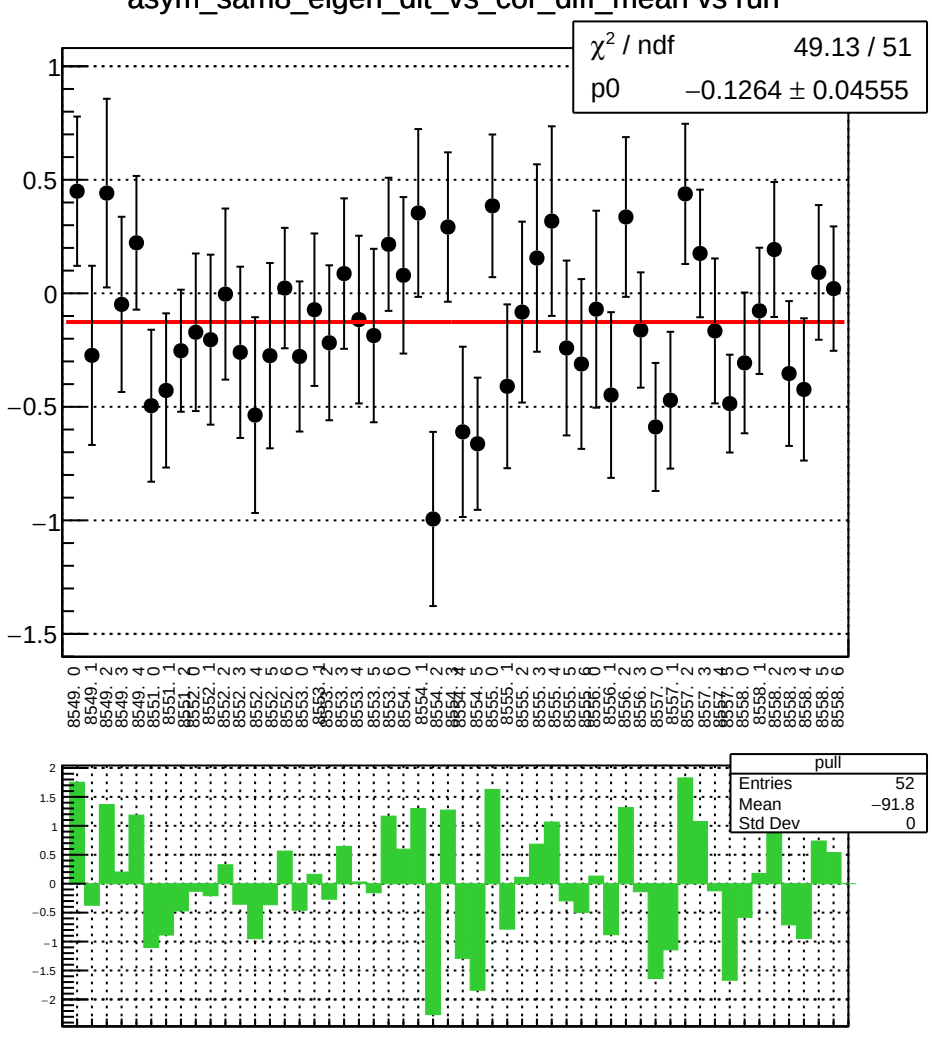

pull1D
Entries 52
Mean 0.007774
Std Dev 0.972

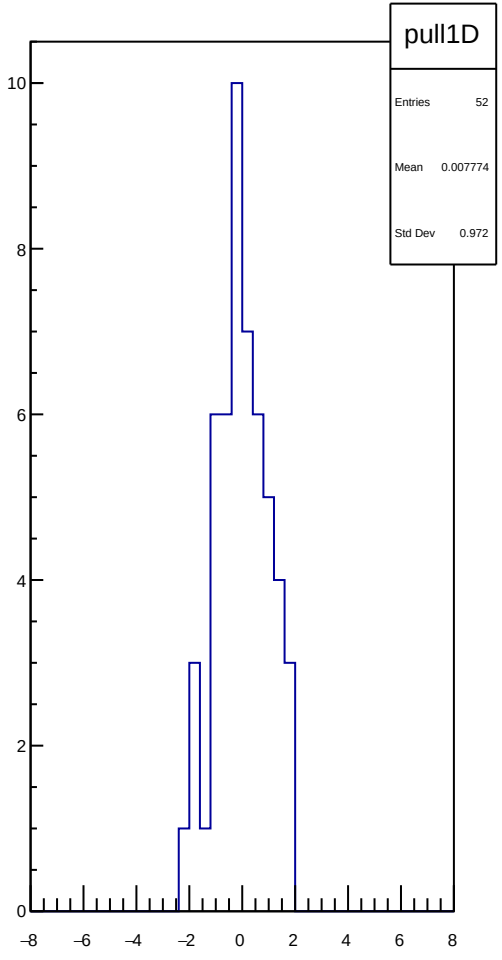

asym_sam8_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.394e+04 / 51
p0 32.41 ± 0.03221
42
40
38
36
34
32
30
28
26
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 5
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

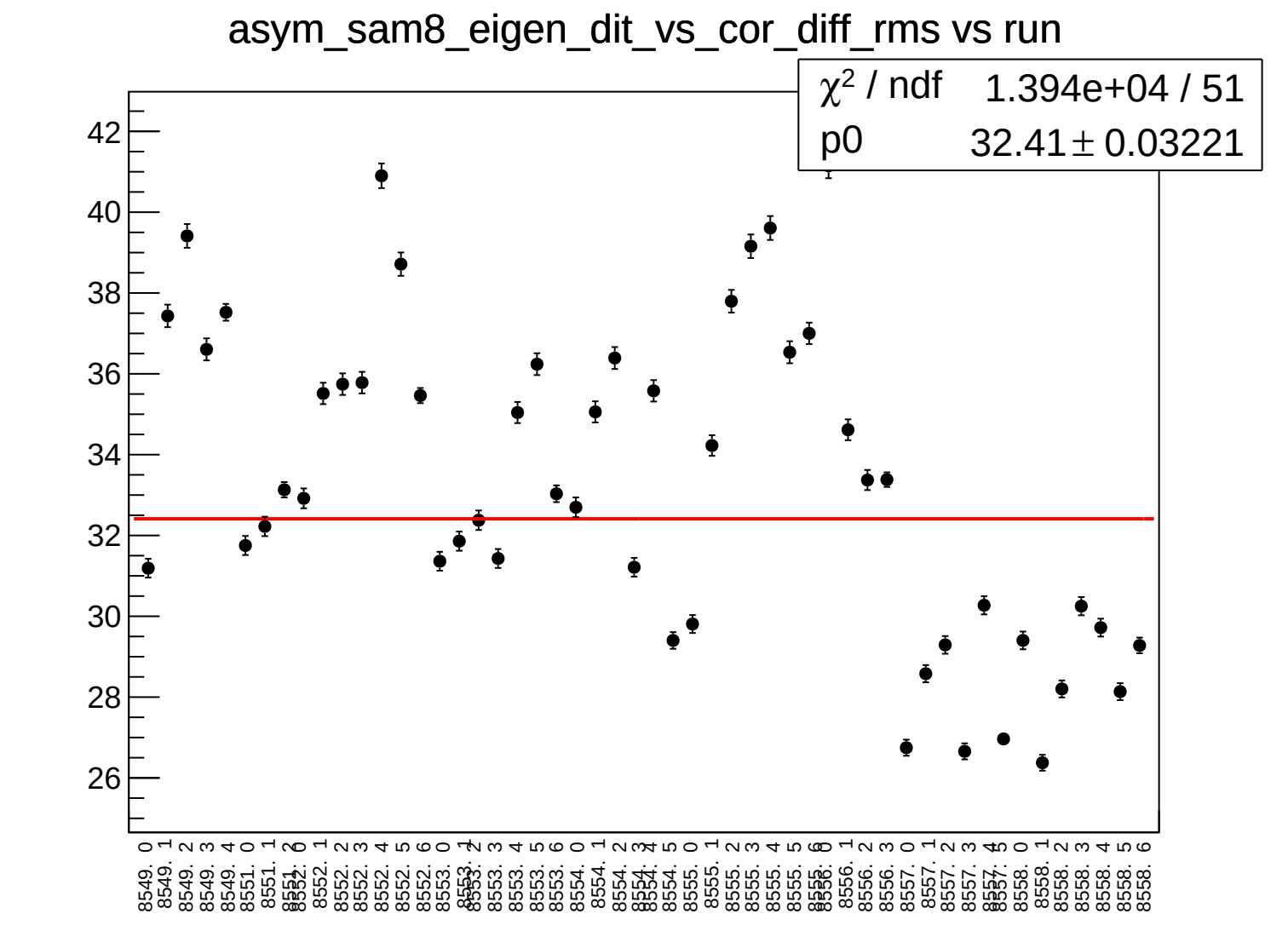

asym_sam8_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 54.73 / 51
p0 −2.163e−07 ± 9.825e−07
0.03
0.02
0.01
0
−0.01
−0.02
pull
Entries 52
Mean 77.34
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

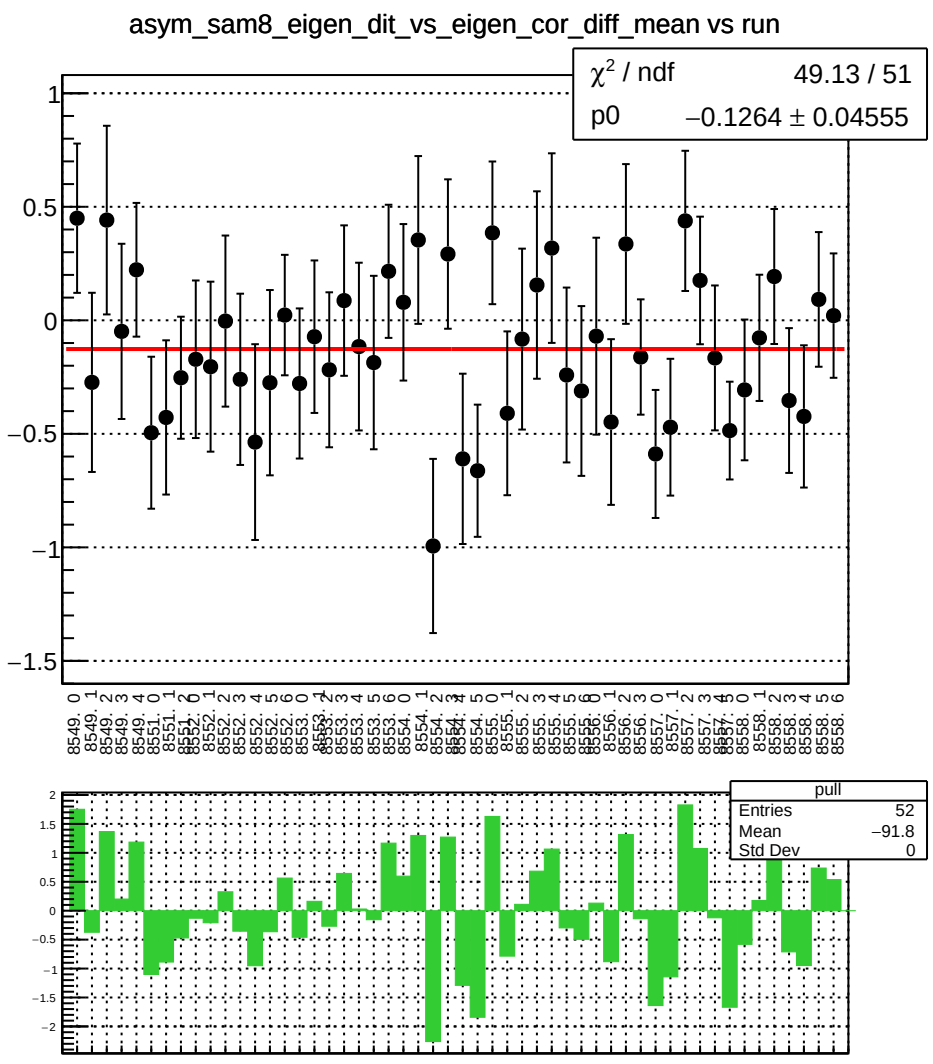

pull1D
Entries 52
Mean −0.04079
Std Dev 1.025
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

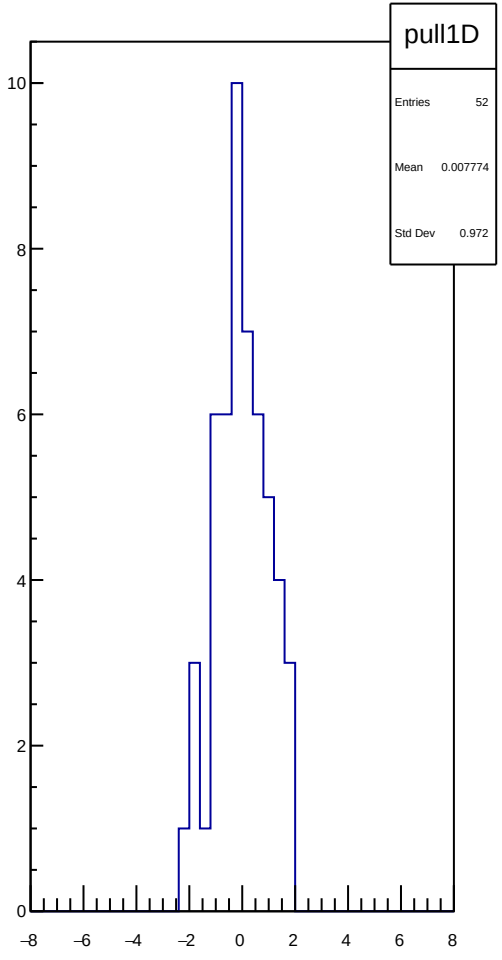

asym_sam8_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 1867 / 51
p0 0.0007033 ± 6.947e–07
×10⁻³
0.8
0.75
0.7
0.65
0.6
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 5
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8557. 5
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

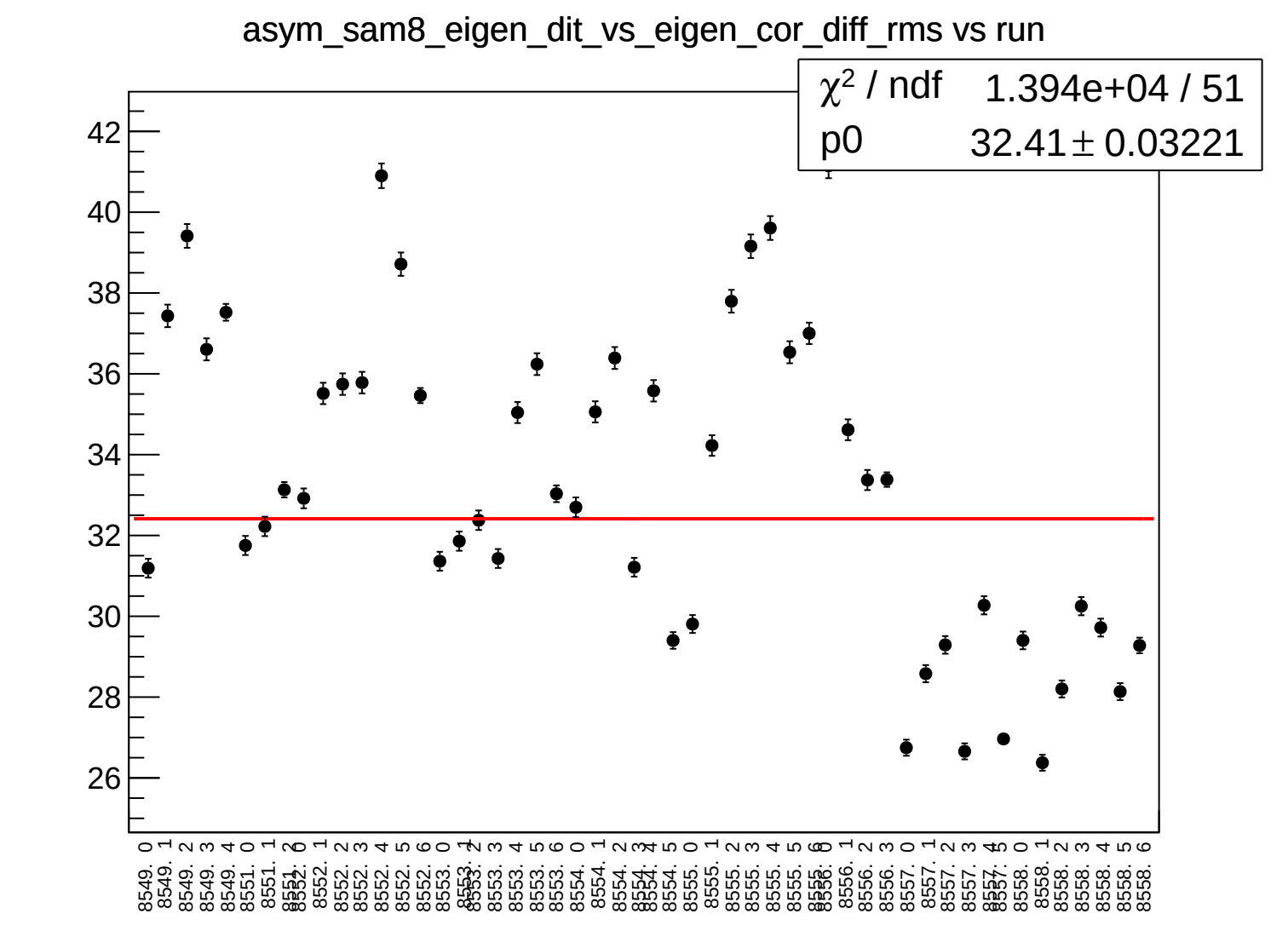

asym_sam8_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 49.13 / 51
p0 −0.1264 ± 0.04555
pull
Entries 52
Mean −91.8
Std Dev 0

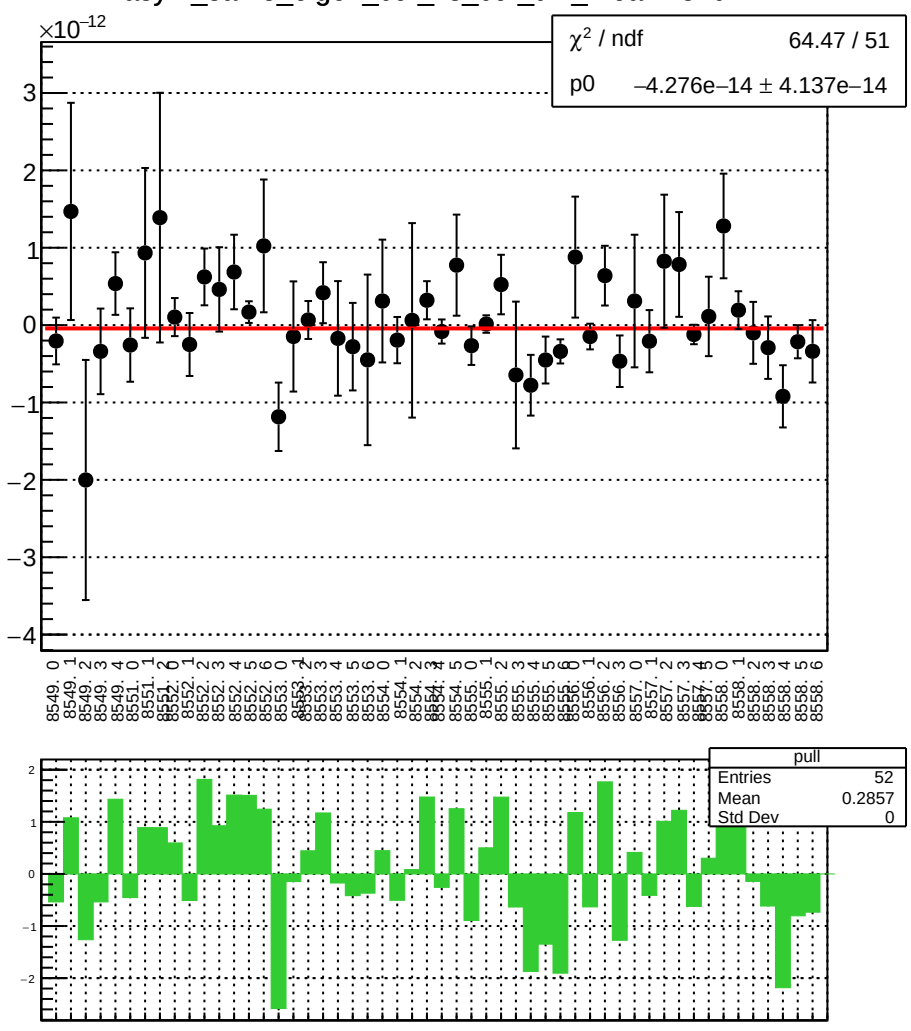

pull1D
Entries 52
Mean 0.007774
Std Dev 0.972

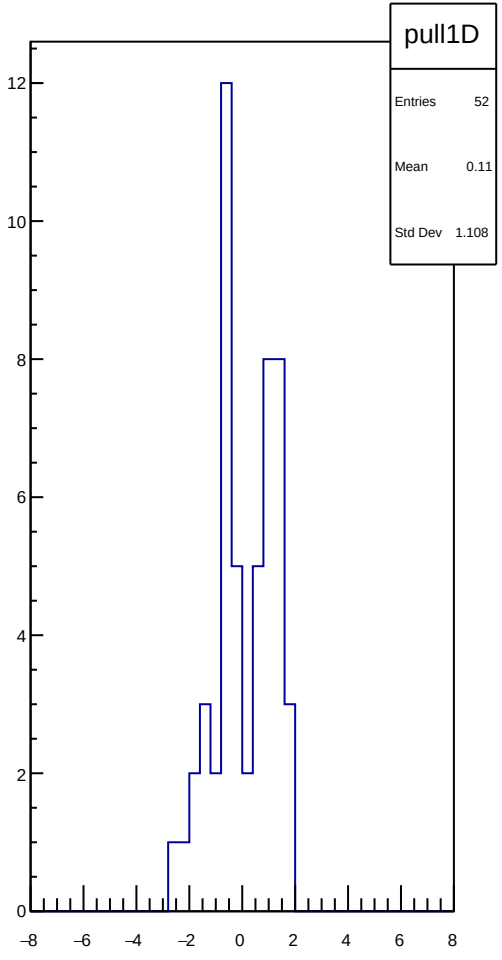

asym_sam8_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 1.394e+04 / 51
p0 32.41 ± 0.03221
42
40
38
36
34
32
30
28
26
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 5
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

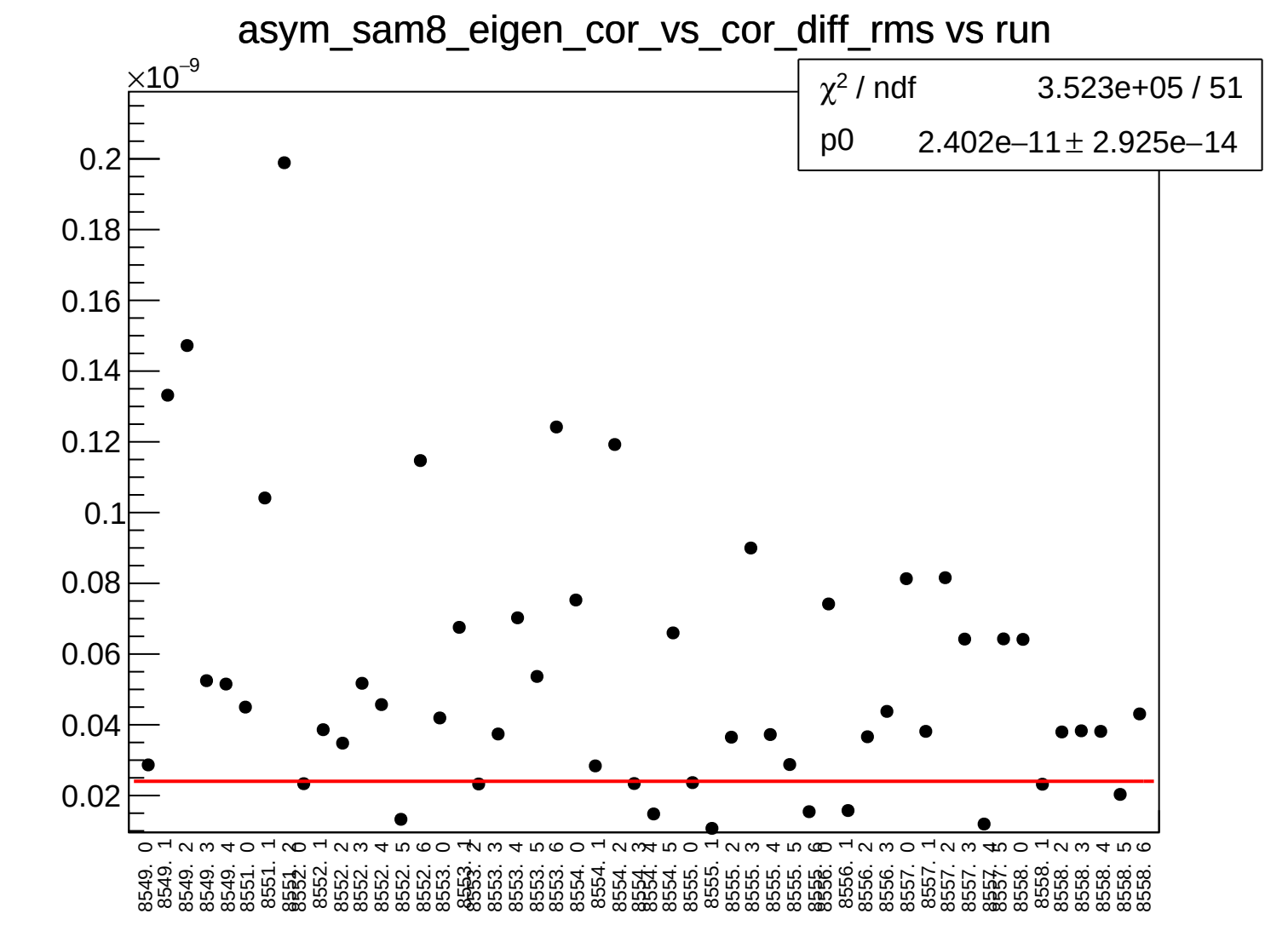

asym_sam8_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 49.13 / 51
p0 −0.1264 ± 0.04555
pull
Entries 52
Mean −91.8
Std Dev 0

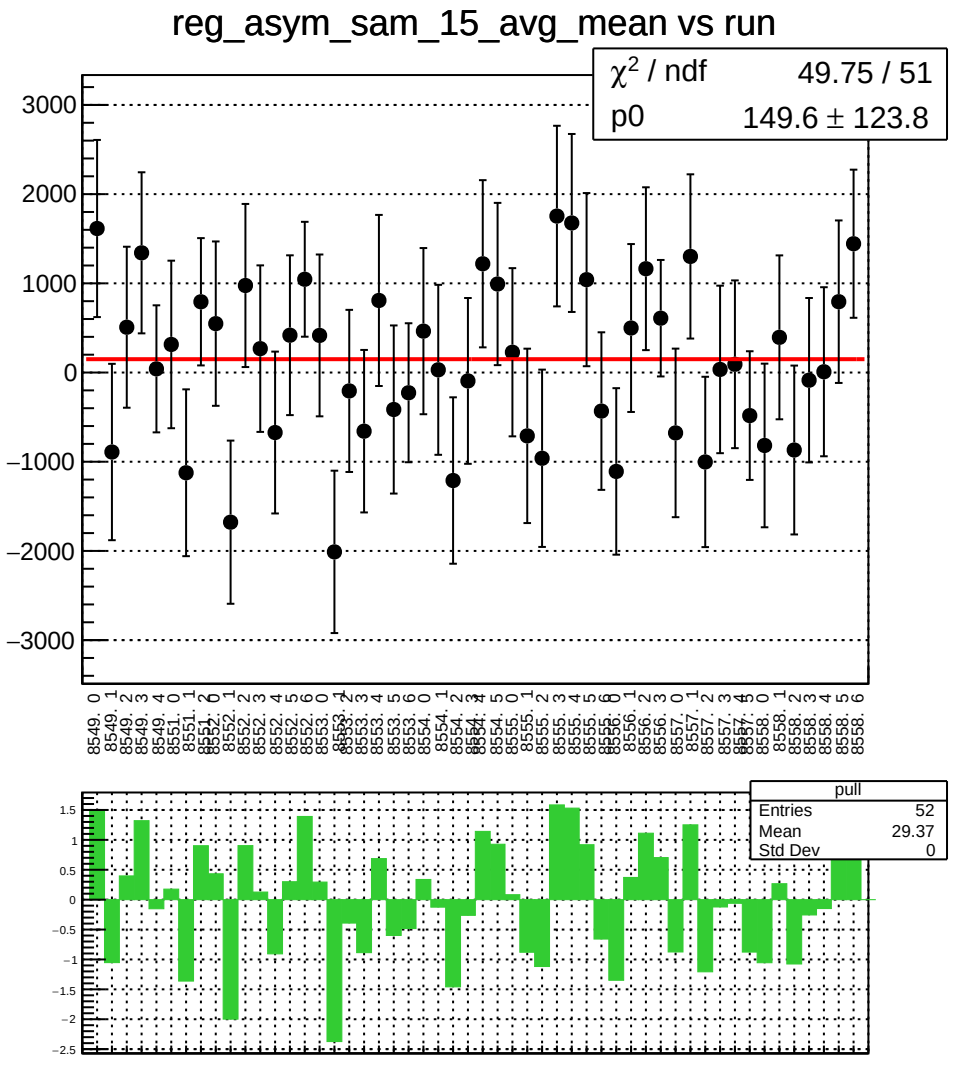

pull1D
Entries 52
Mean 0.007774
Std Dev 0.972

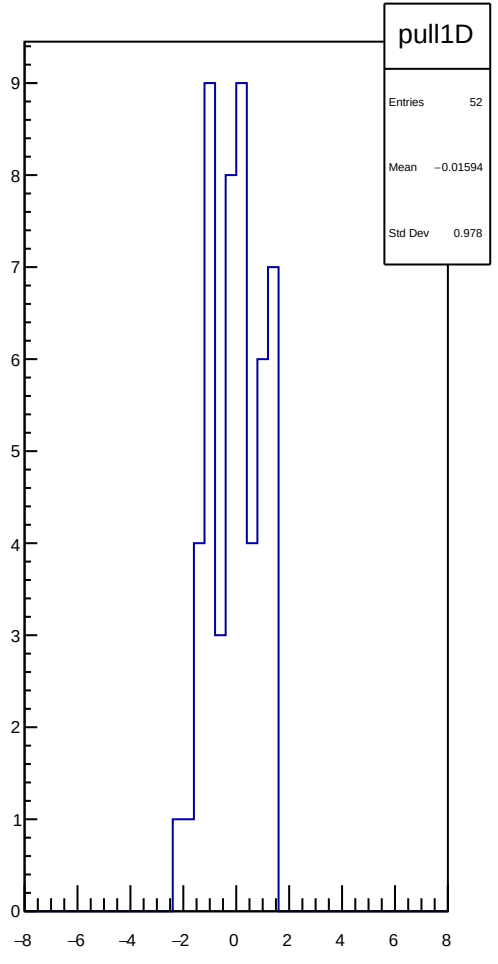

asym_sam8_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.394e+04 / 51
p0 32.41 ± 0.03221
42
40
38
36
34
32
30
28
26
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 5
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

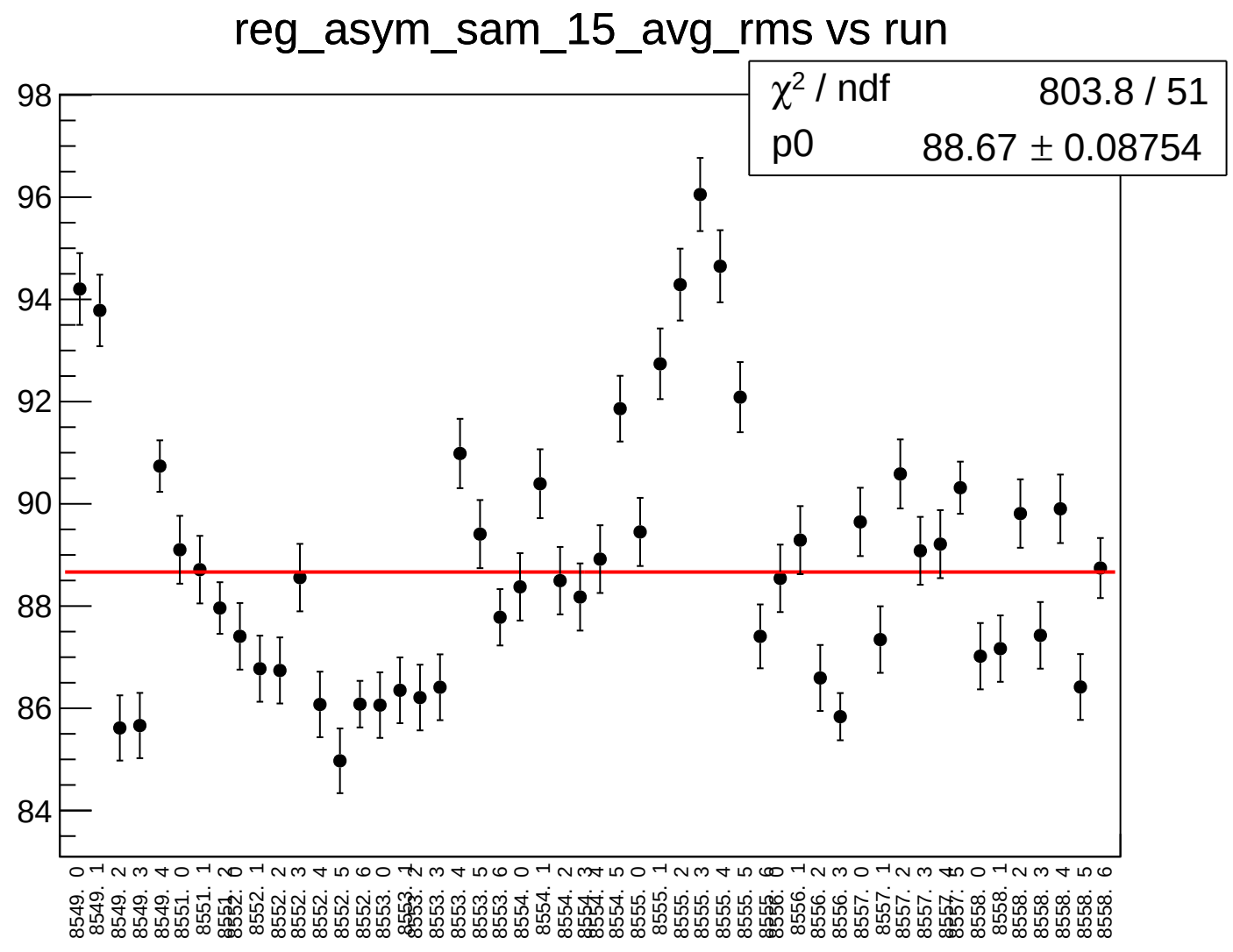

asym_sam8_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 64.47 / 51
p0 −4.276e−14 ± 4.137e−14
pull
Entries 52
Mean 0.2857
Std Dev 0

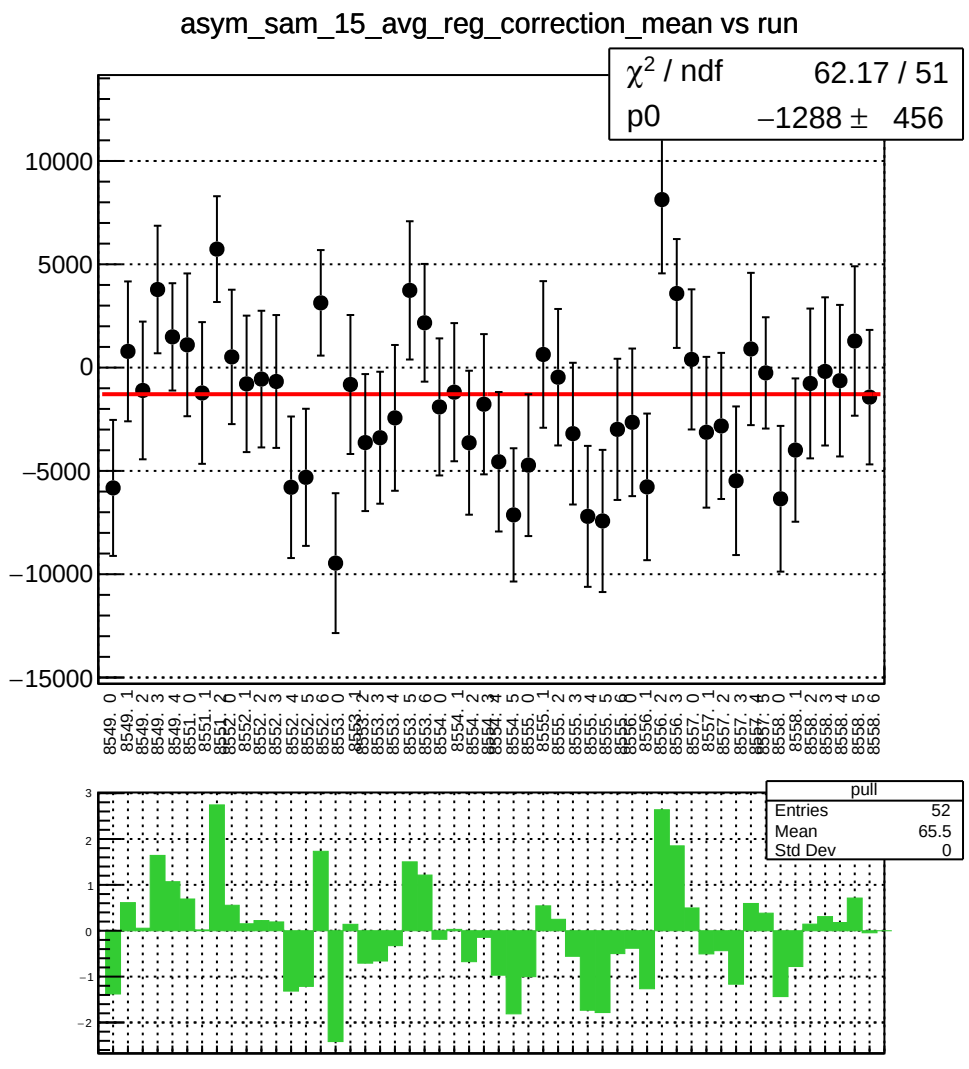

pull1D
Entries 52
Mean 0.11
Std Dev 1.108

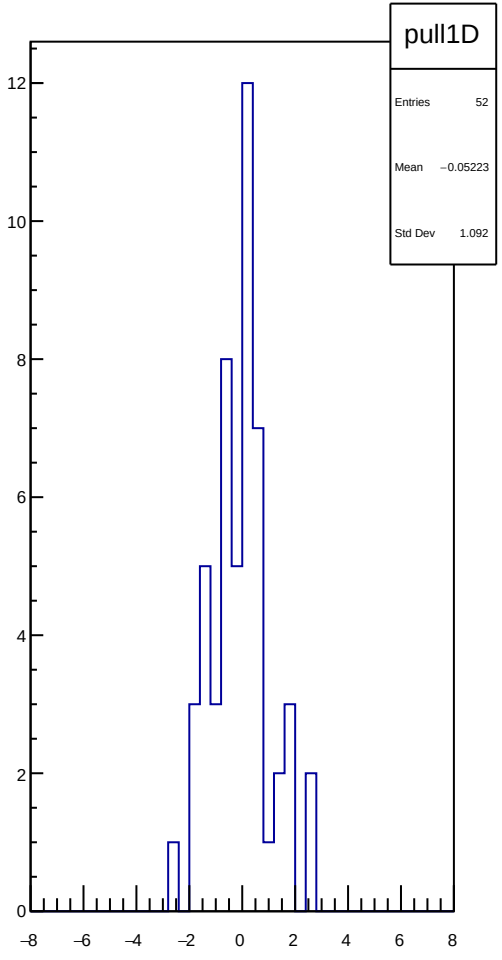

asym_sam8_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 3.523e+05 / 51
p0 2.402e−11 ± 2.925e−14
0.2
0.18
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 0
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 2
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

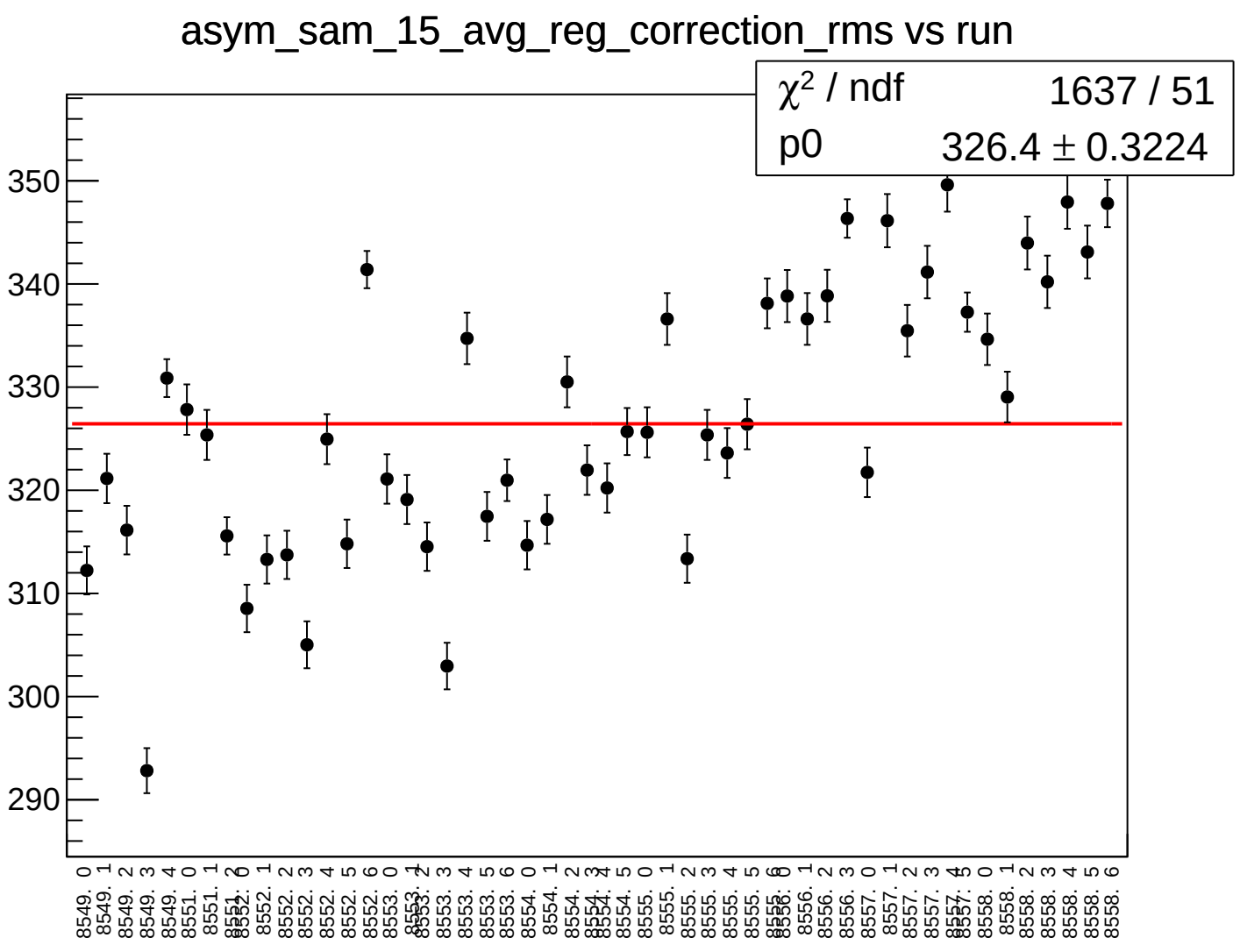

reg_asym_sam_15_avg_mean vs run
χ^2 / ndf 49.75 / 51
p0 149.6 ± 123.8
pull
Entries 52
Mean 29.37
Std Dev 0


pull1D
Entries 52
Mean −0.01594
Std Dev 0.978


reg_asym_sam_15_avg_rms vs run
χ² / ndf 803.8 / 51
p0 88.67 ± 0.08754
98
96
94
92
90
88
86
84
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 5
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6


asym_sam_15_avg_reg_correction_mean vs run
χ² / ndf 62.17 / 51
p0 −1288 ± 456
pull
Entries 52
Mean 65.5
Std Dev 0


pull1D
Entries 52
Mean −0.05223
Std Dev 1.092


asym_sam_15_avg_reg_correction_rms vs run
χ² / ndf 1637 / 51
p0 326.4 ± 0.3224
350
340
330
320
310
300
290
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 5
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
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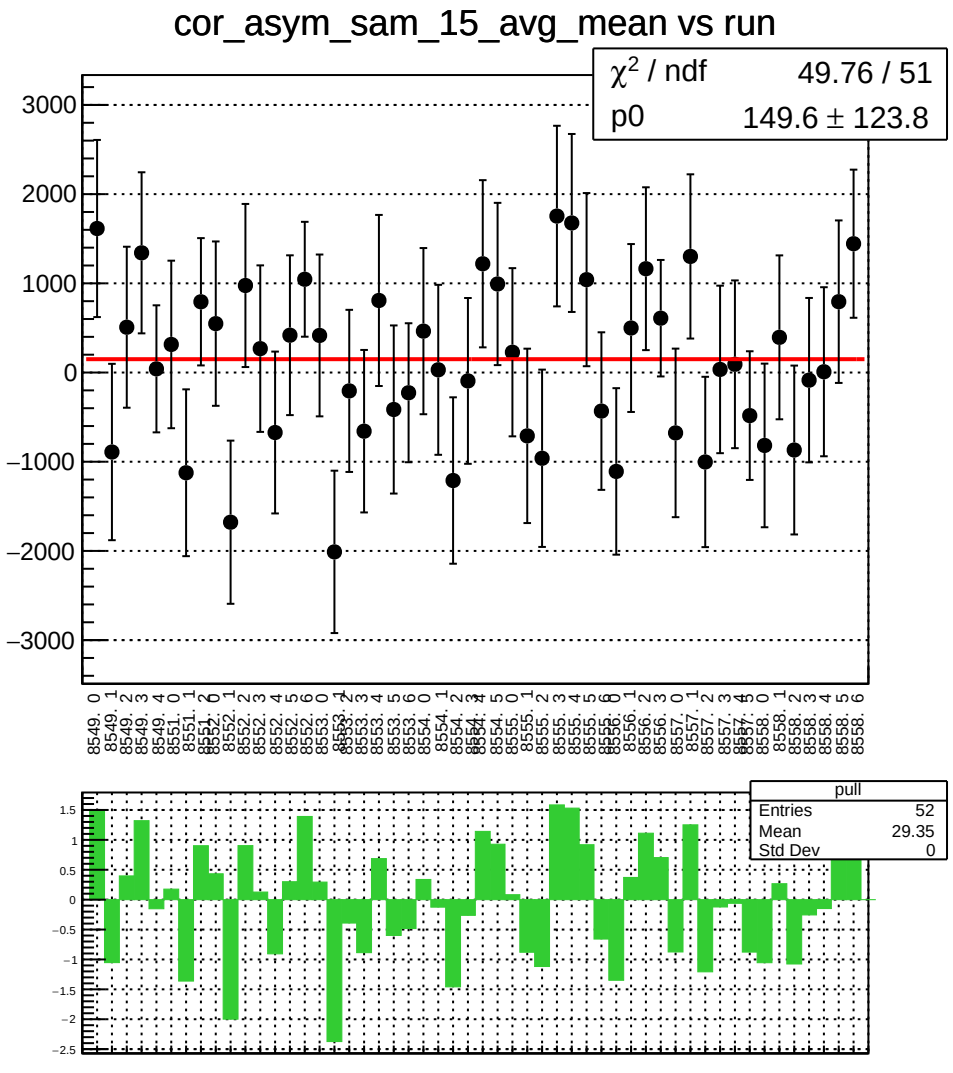
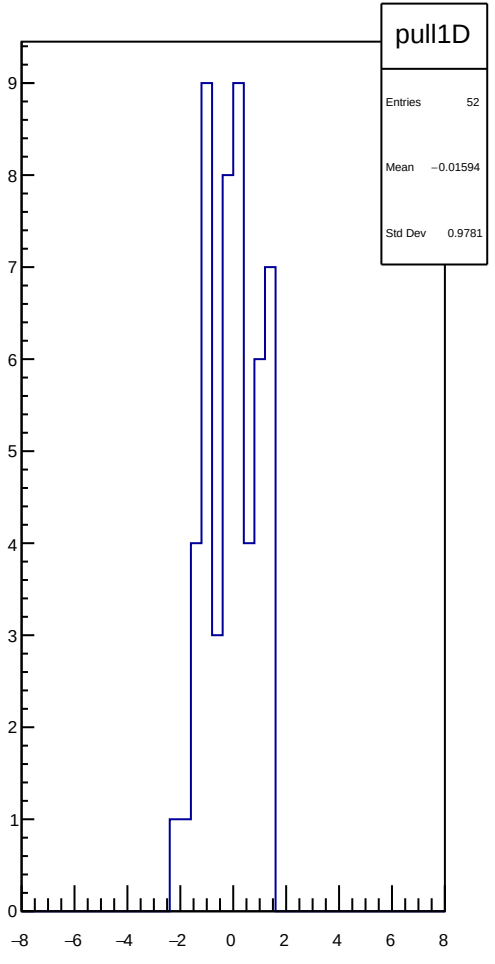
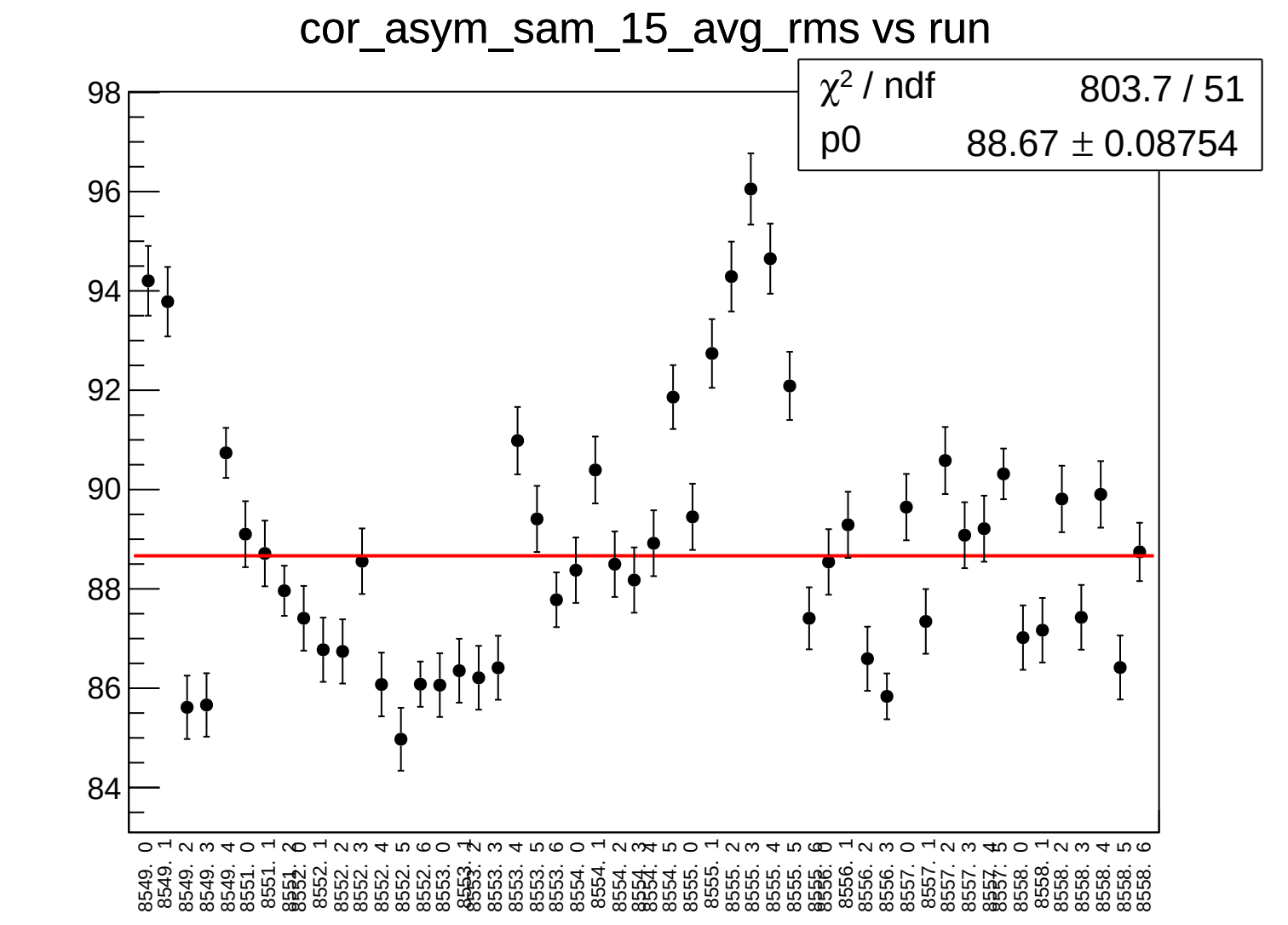
8558. 5
8558. 6


cor_asym_sam_15_avg_mean vs run
χ^2 / ndf 49.76 / 51
p0 149.6 ± 123.8
pull
Entries 52
Mean 29.35
Std Dev 0


pull1D
Entries 52
Mean −0.01594
Std Dev 0.9781


cor_asym_sam_15_avg_rms vs run
χ² / ndf 803.7 / 51
p0 88.67 ± 0.08754
98
96
94
92
90
88
86
84
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 5
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
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8557. 3
8558. 0
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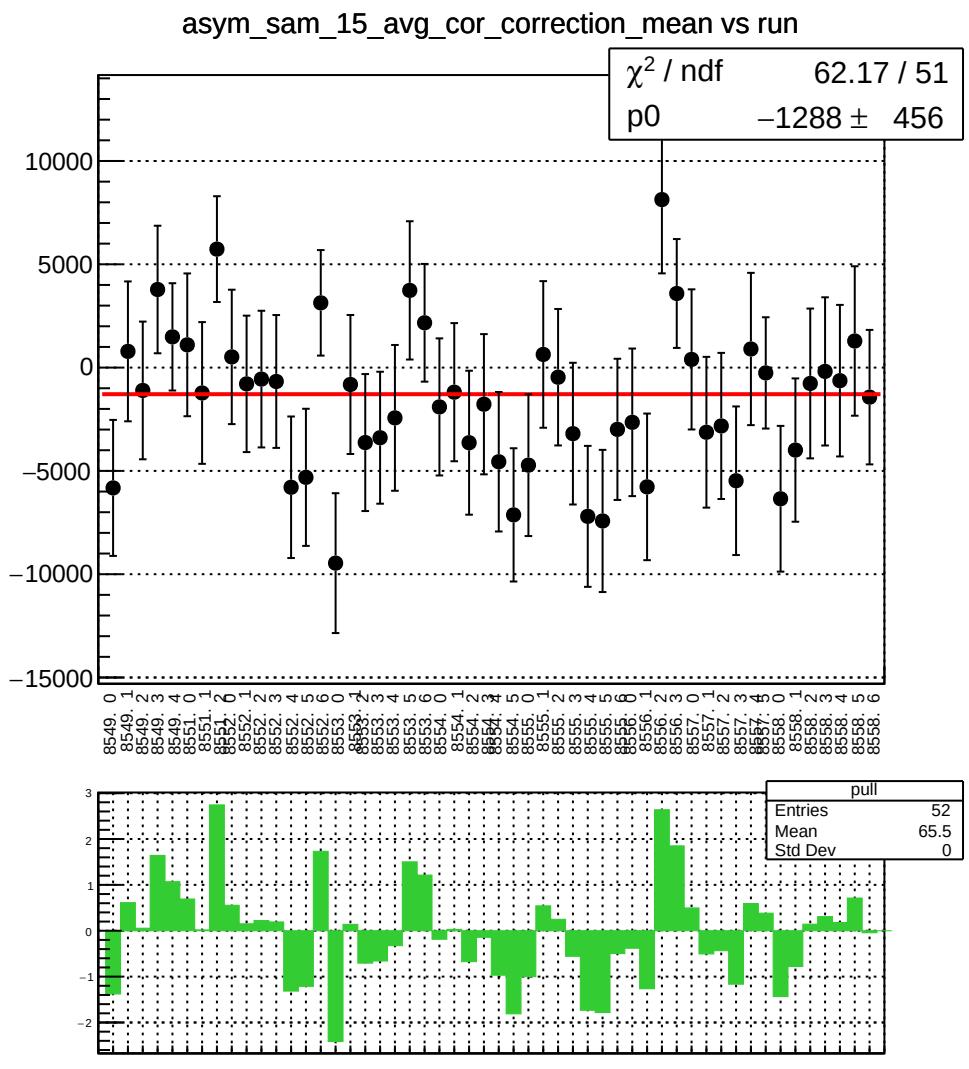
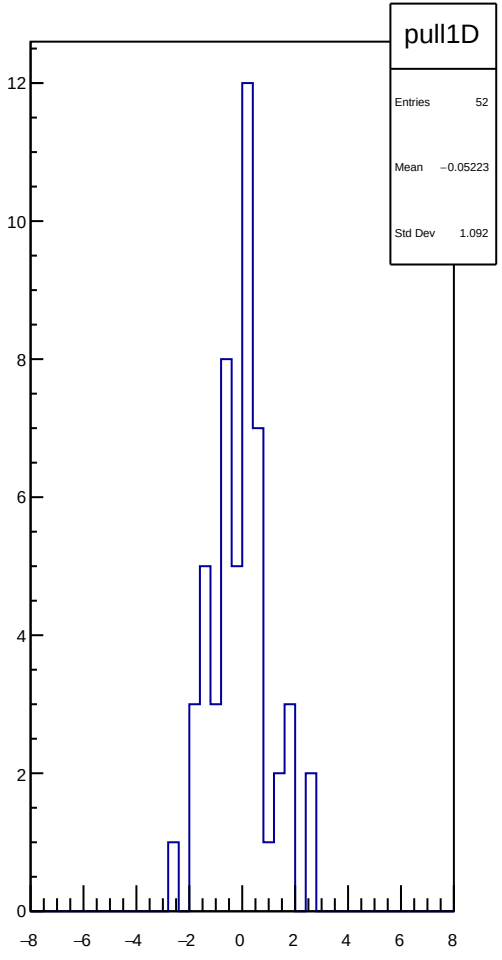
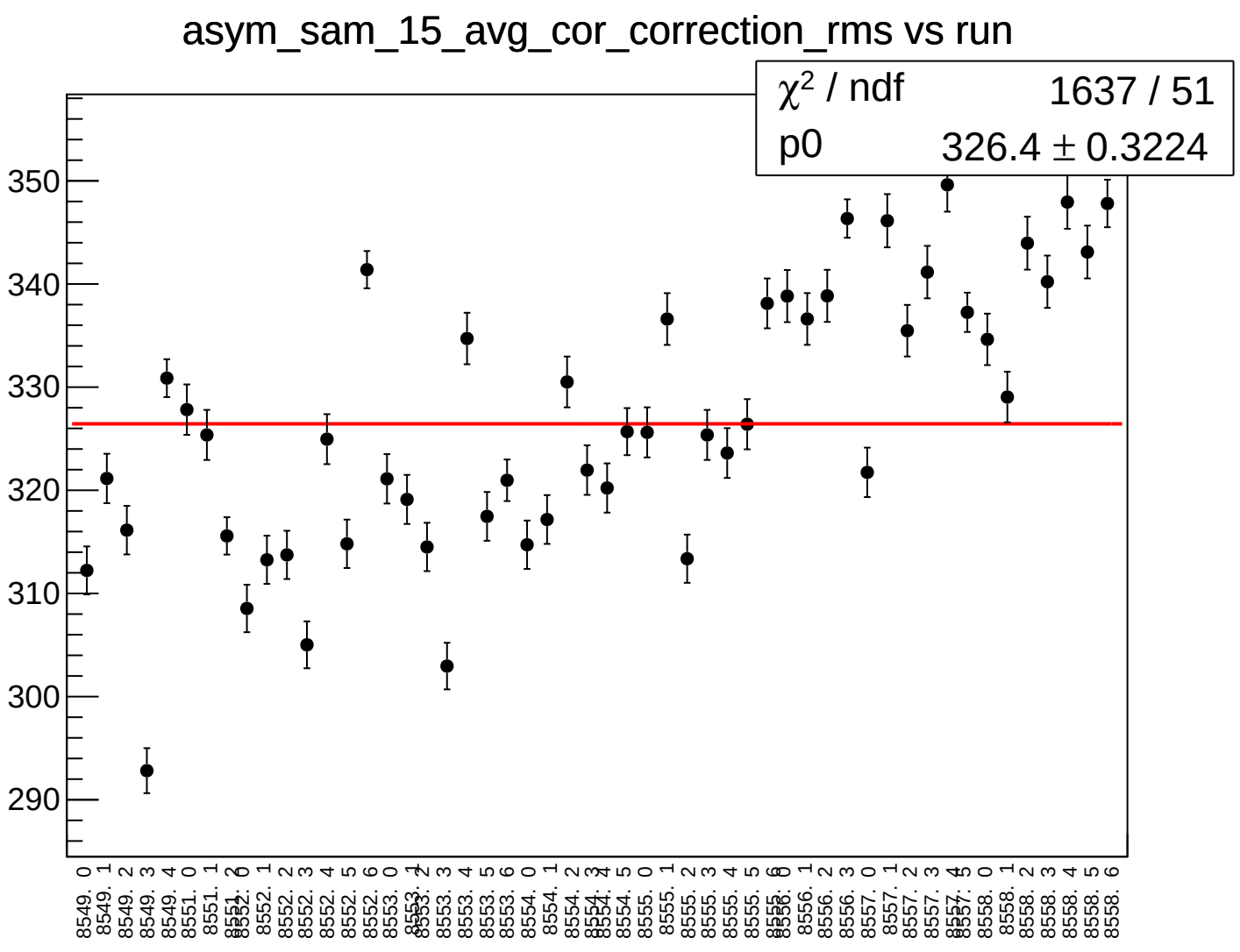
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6


asym_sam_15_avg_cor_correction_mean vs run
χ² / ndf 62.17 / 51
p0 −1288 ± 456
pull
Entries 52
Mean 65.5
Std Dev 0


pull1D
Entries 52
Mean −0.05223
Std Dev 1.092


asym_sam_15_avg_cor_correction_rms vs run
χ² / ndf 1637 / 51
p0 326.4 ± 0.3224
350
340
330
320
310
300
290
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 5
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8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
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8557. 3
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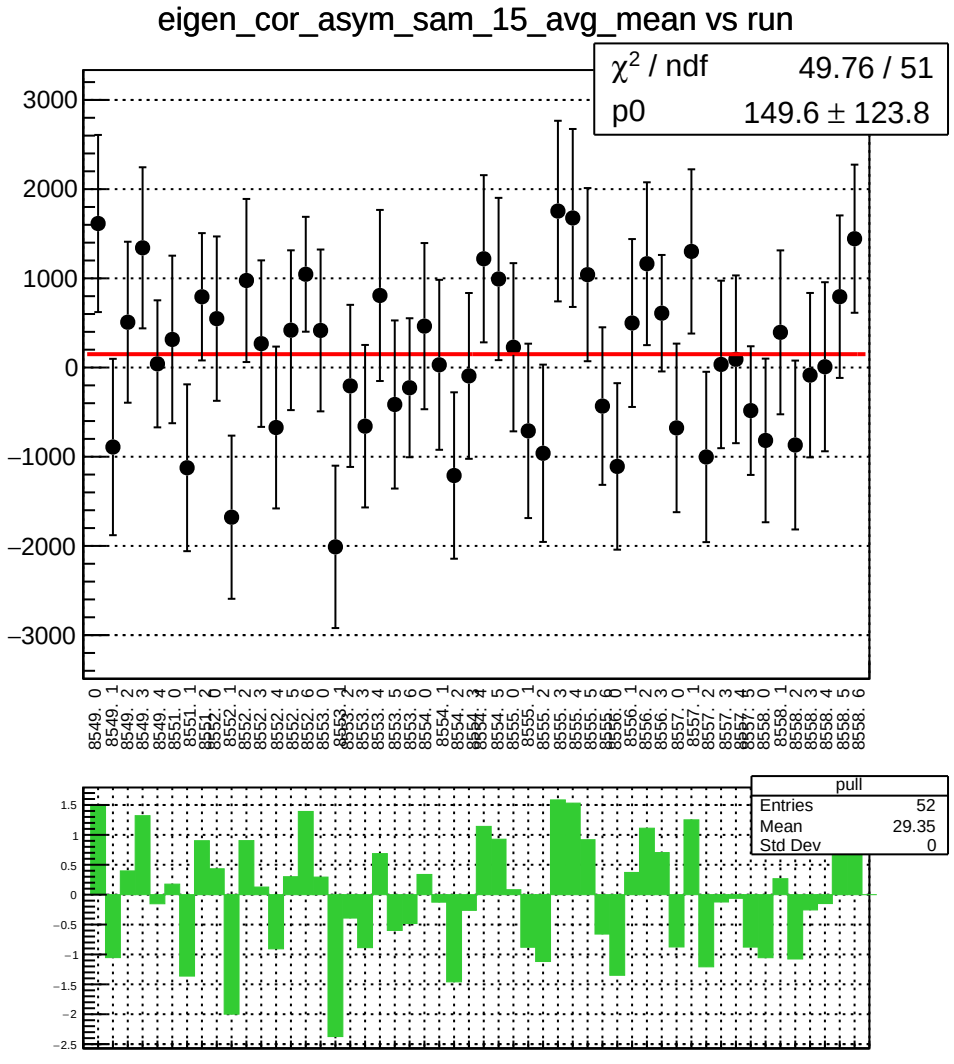
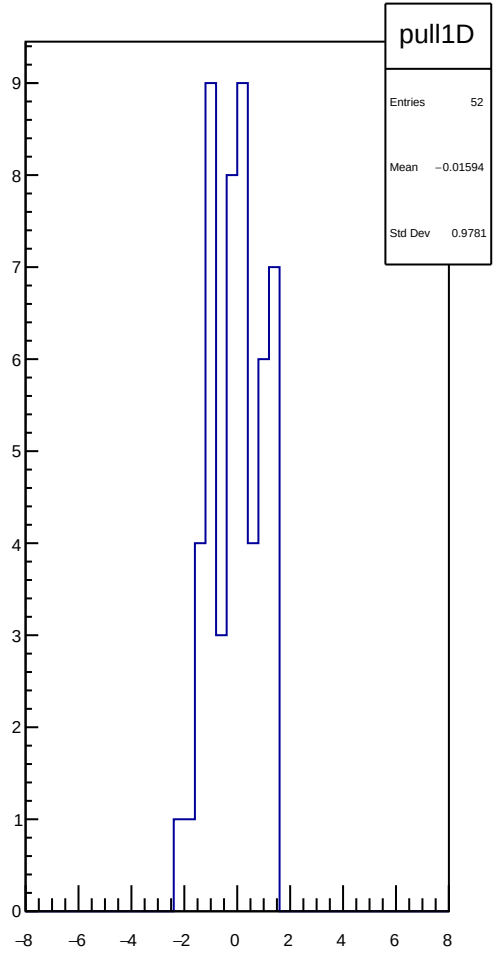
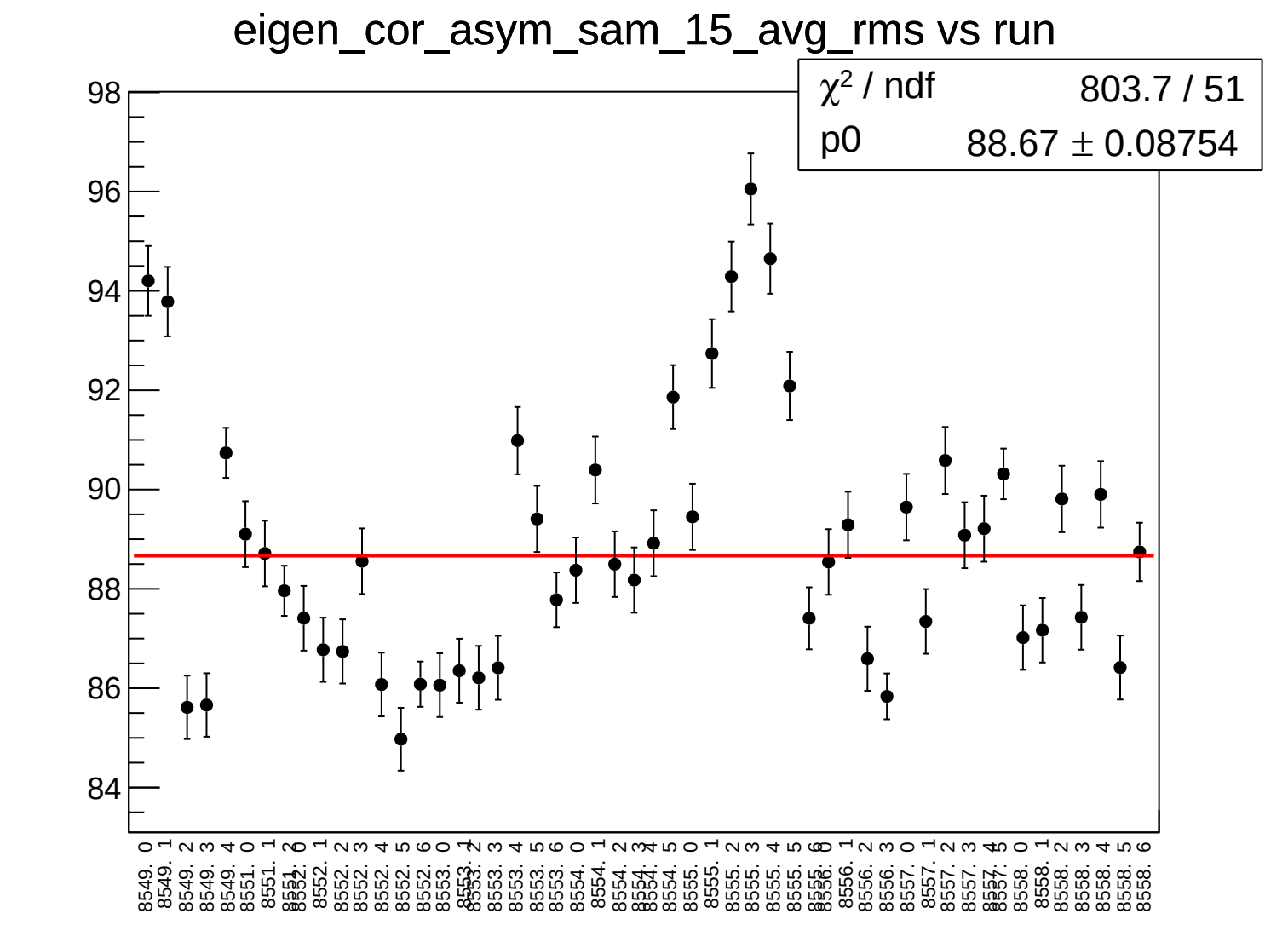
8558. 5
8558. 6


eigen_cor_asym_sam_15_avg_mean vs run
χ^2 / ndf 49.76 / 51
p0 149.6 ± 123.8
pull
Entries 52
Mean 29.35
Std Dev 0


pull1D
Entries 52
Mean −0.01594
Std Dev 0.9781


eigen_cor_asym_sam_15_avg_rms vs run
χ² / ndf 803.7 / 51
p0 88.67 ± 0.08754
98
96
94
92
90
88
86
84
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
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8555. 0
8555. 1
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8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
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8558. 0
8558. 1
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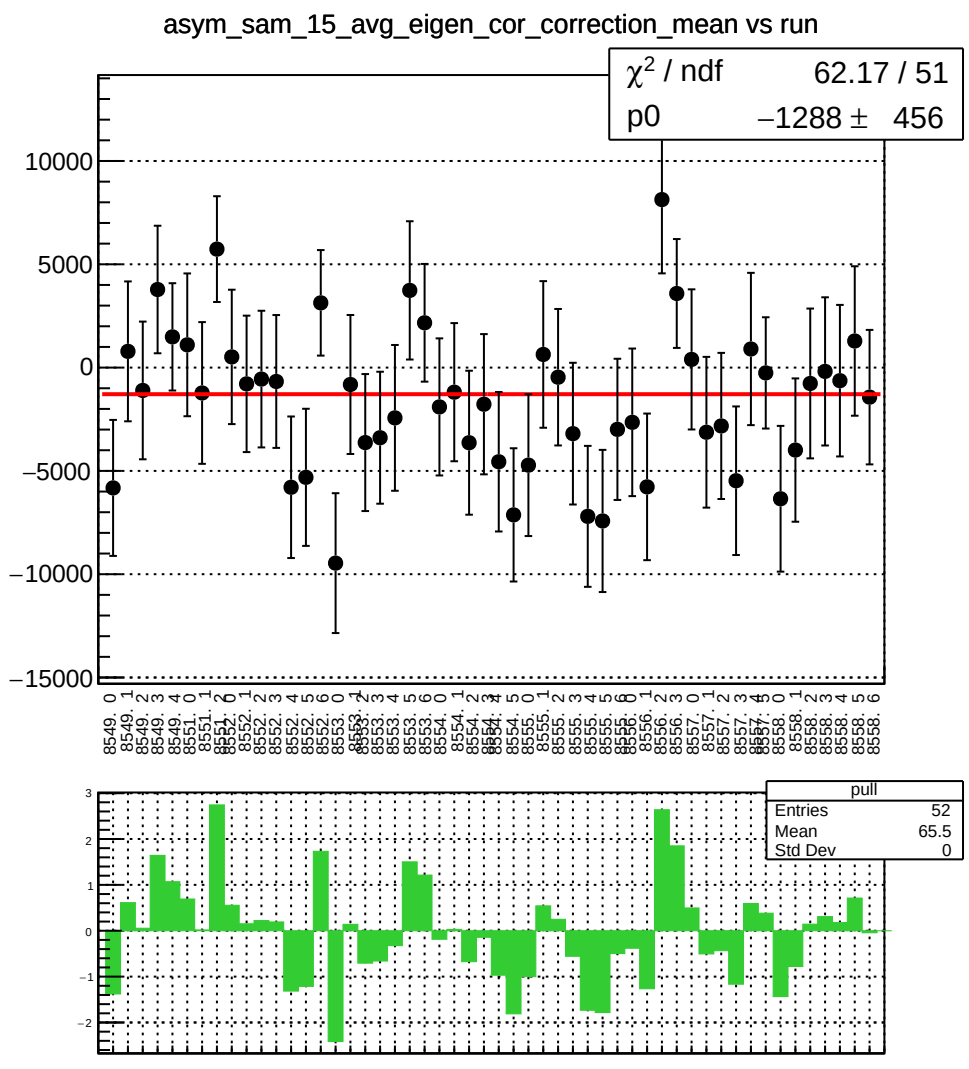
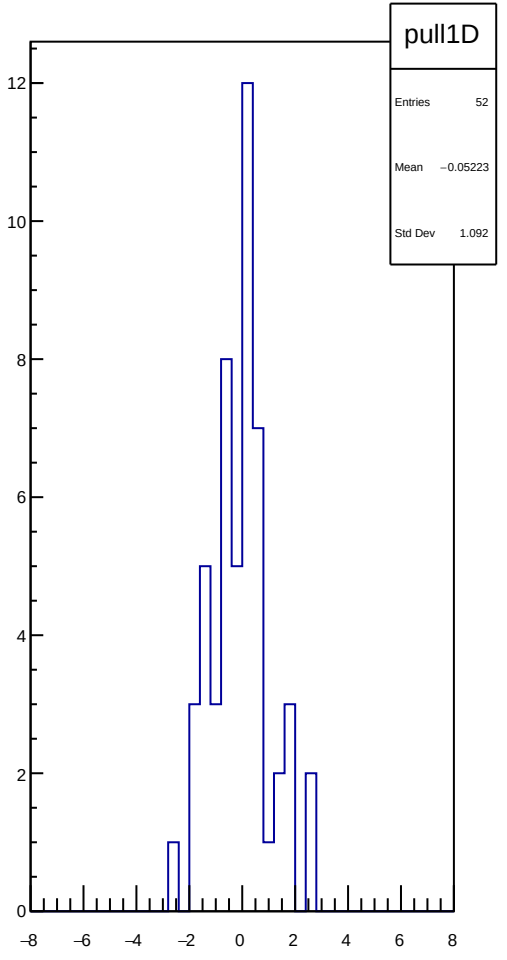
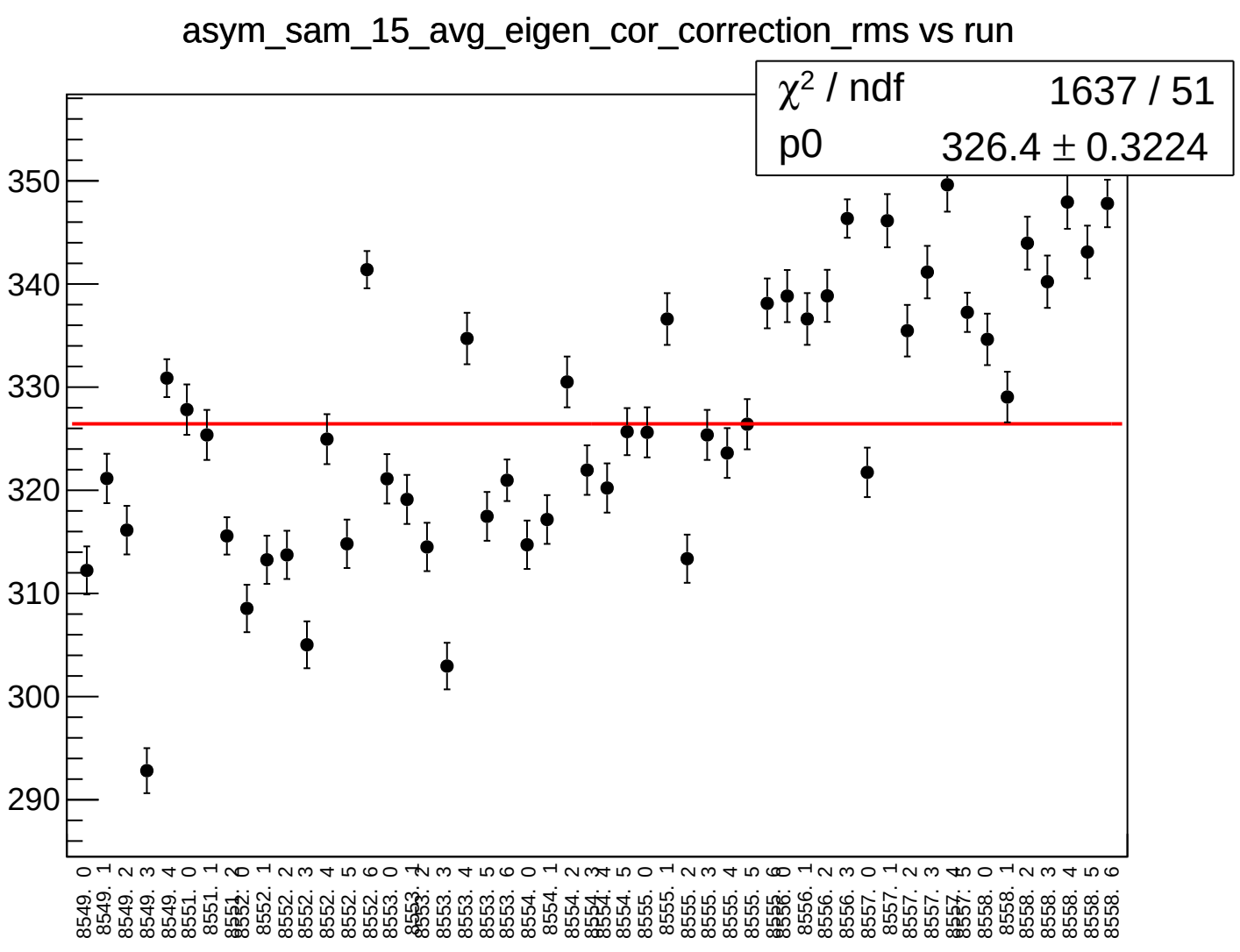
8558. 3
8558. 4
8558. 5
8558. 6


asym_sam_15_avg_eigen_cor_correction_mean vs run
χ² / ndf 62.17 / 51
p0 −1288 ± 456
10000
5000
0
−5000
−10000
−15000
pull
Entries 52
Mean 65.5
Std Dev 0
3
2
1
0
−1
−2


pull1D
Entries 52
Mean −0.05223
Std Dev 1.092
12
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 1637 / 51
p0 326.4 ± 0.3224
350
340
330
320
310
300
290
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
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8554. 0
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8554. 5
8555. 0
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8556. 1
8556. 2
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8557. 0
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8557. 3
8558. 0
8558. 1
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8558. 3
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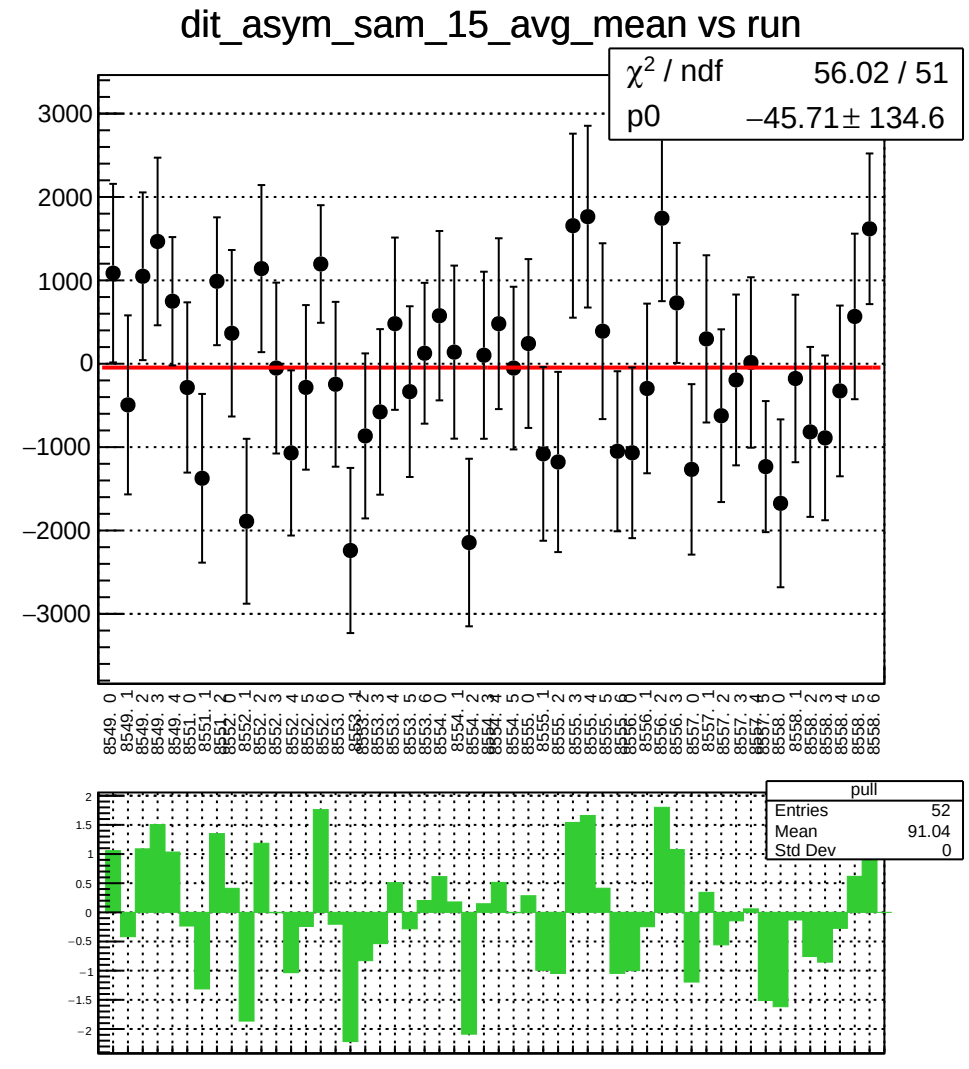
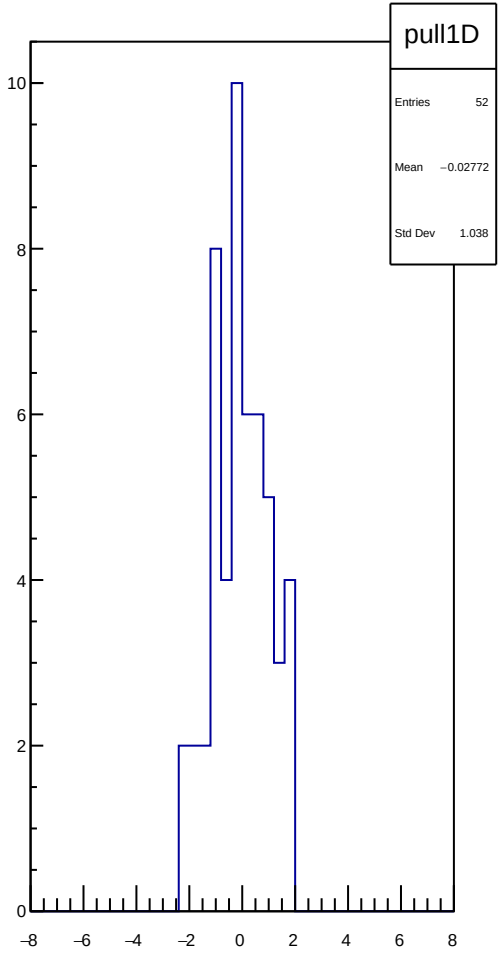
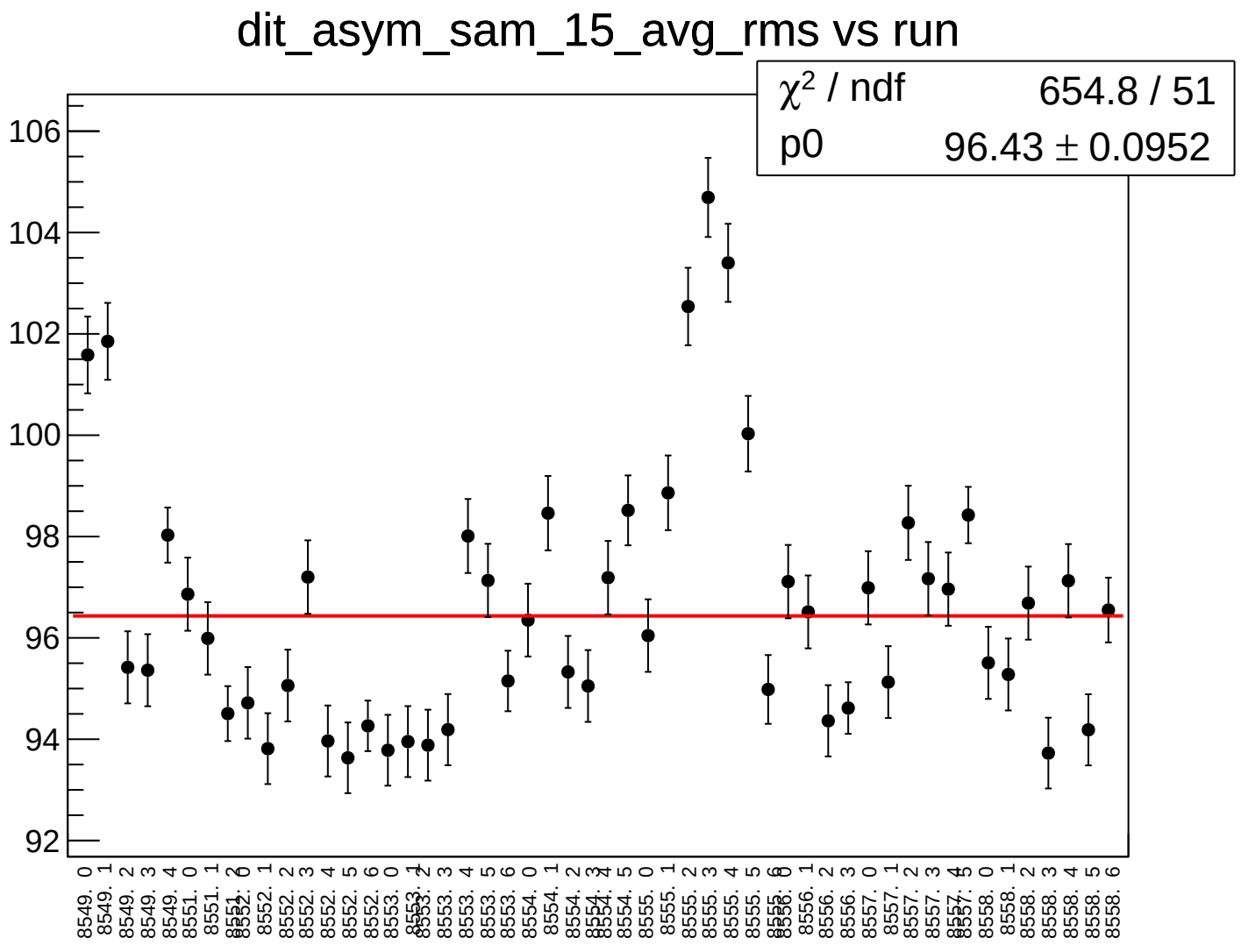
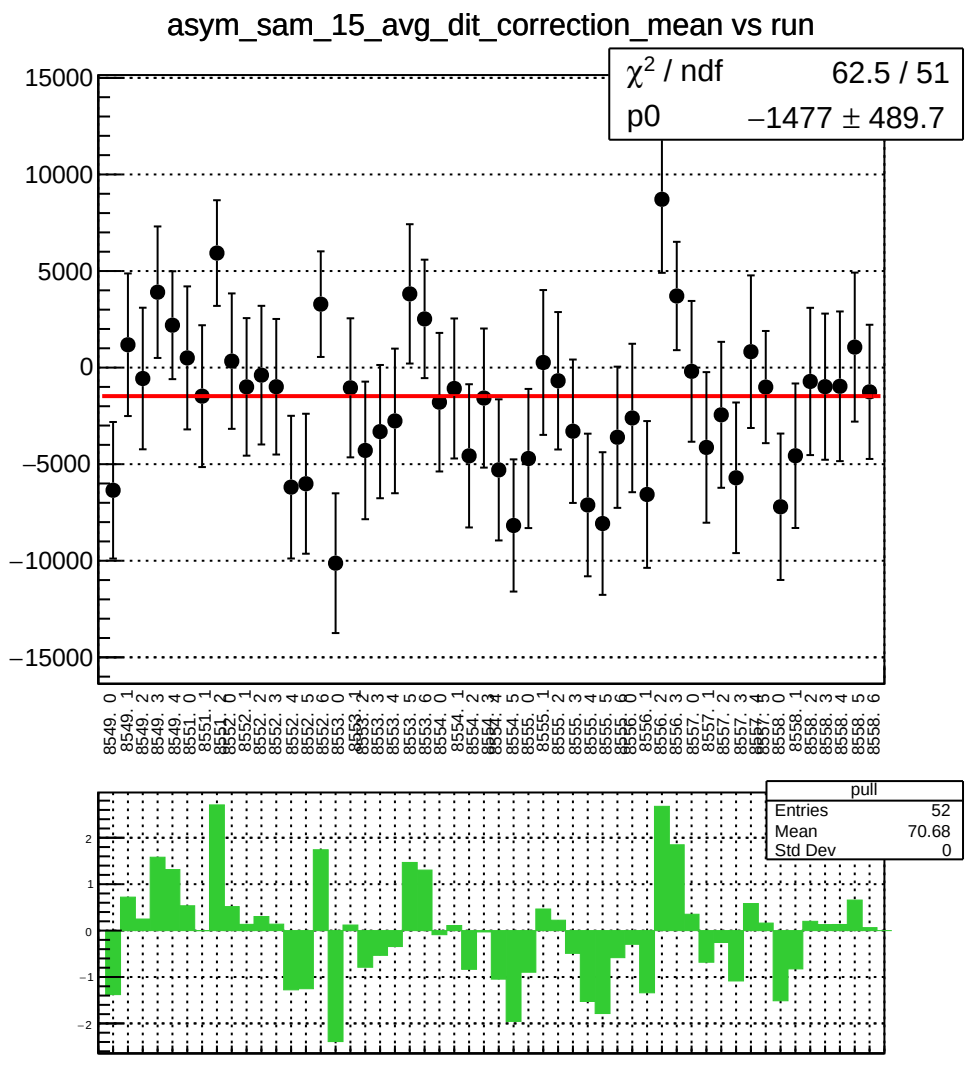
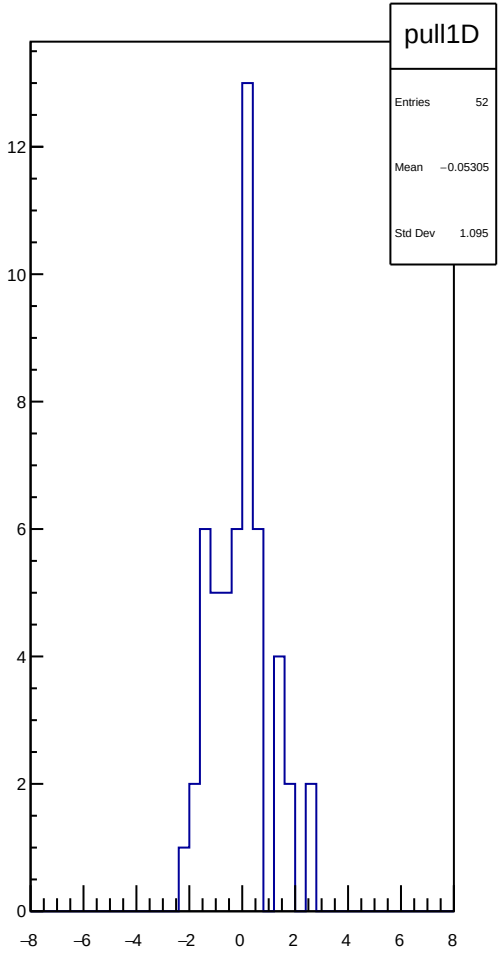
8558. 5
8558. 6

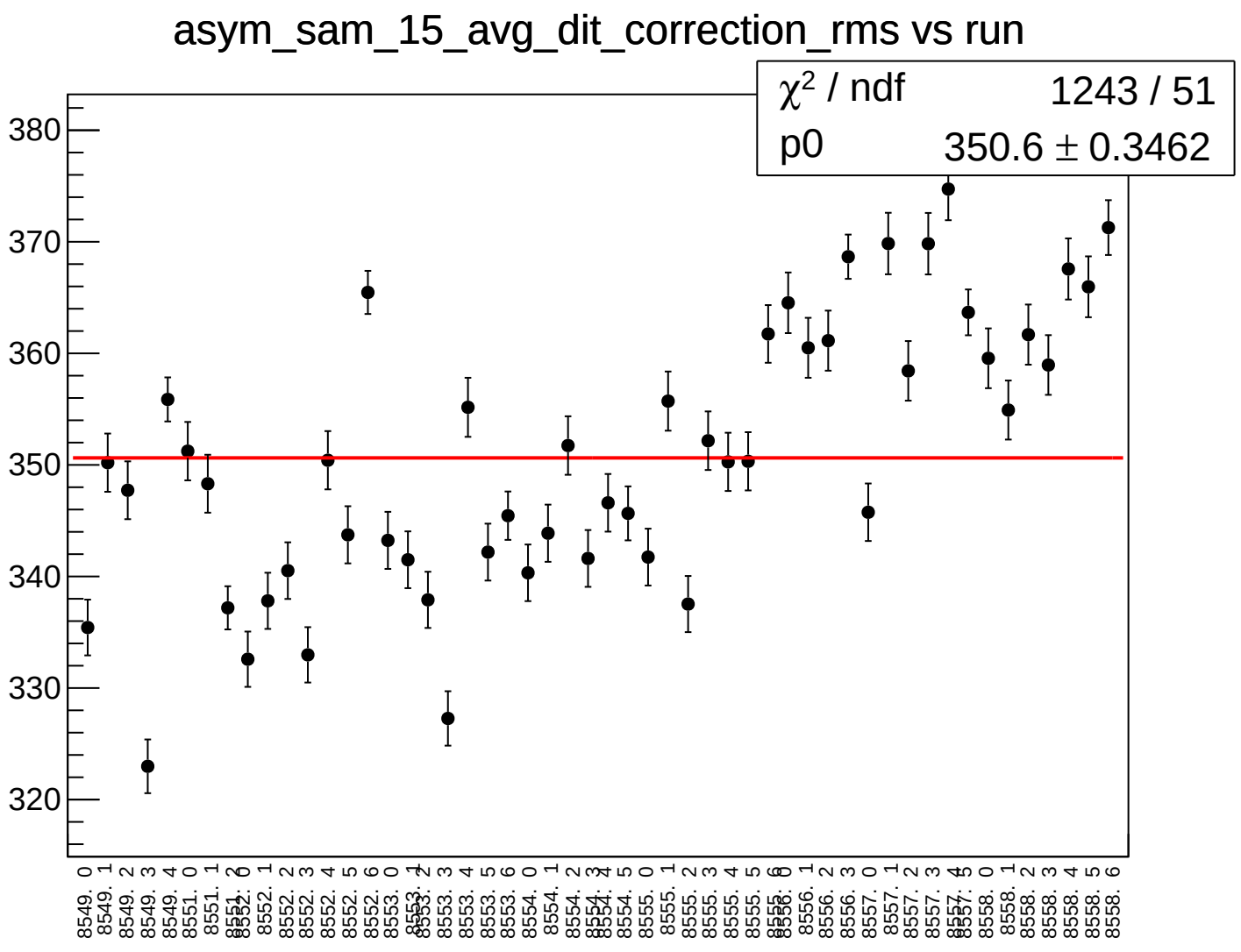

dit_asym_sam_15_avg_mean vs run
χ² / ndf 56.02 / 51
p0 −45.71 ± 134.6
pull
Entries 52
Mean 91.04
Std Dev 0


pull1D
Entries 52
Mean −0.02772
Std Dev 1.038


dit_asym_sam_15_avg_rms vs run
χ² / ndf 654.8 / 51
p0 96.43 ± 0.0952
106
104
102
100
98
96
94
92
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6


asym_sam_15_avg_dit_correction_mean vs run
χ² / ndf 62.5 / 51
p0 −1477 ± 489.7
15000
10000
5000
0
−5000
−10000
−15000
pull
Entries 52
Mean 70.68
Std Dev 0


pull1D
Entries 52
Mean −0.05305
Std Dev 1.095
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


asym_sam_15_avg_dit_correction_rms vs run
χ² / ndf 1243 / 51
p0 350.6 ± 0.3462
380
370
360
350
340
330
320
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
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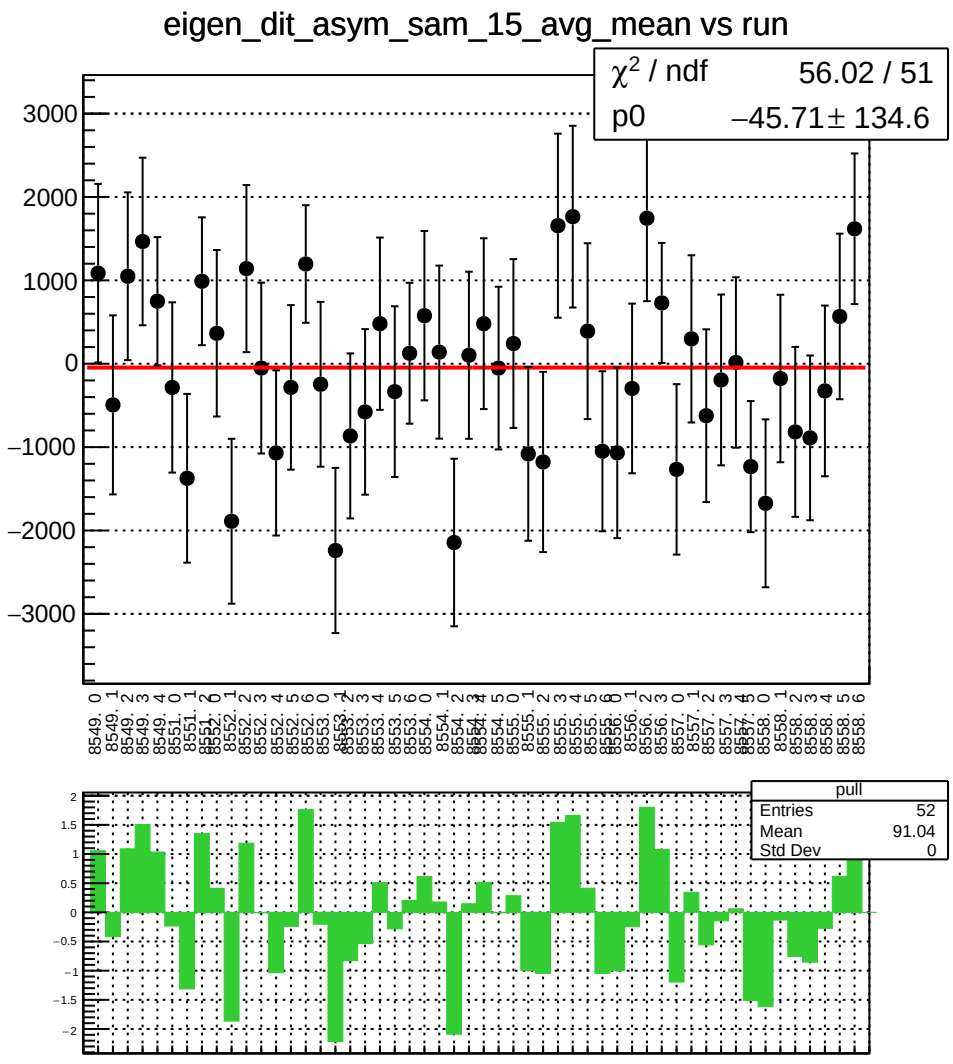
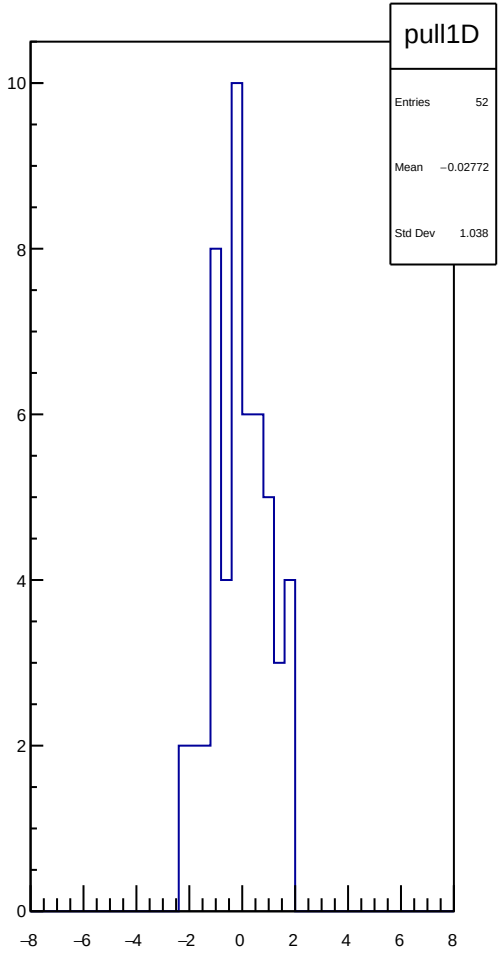
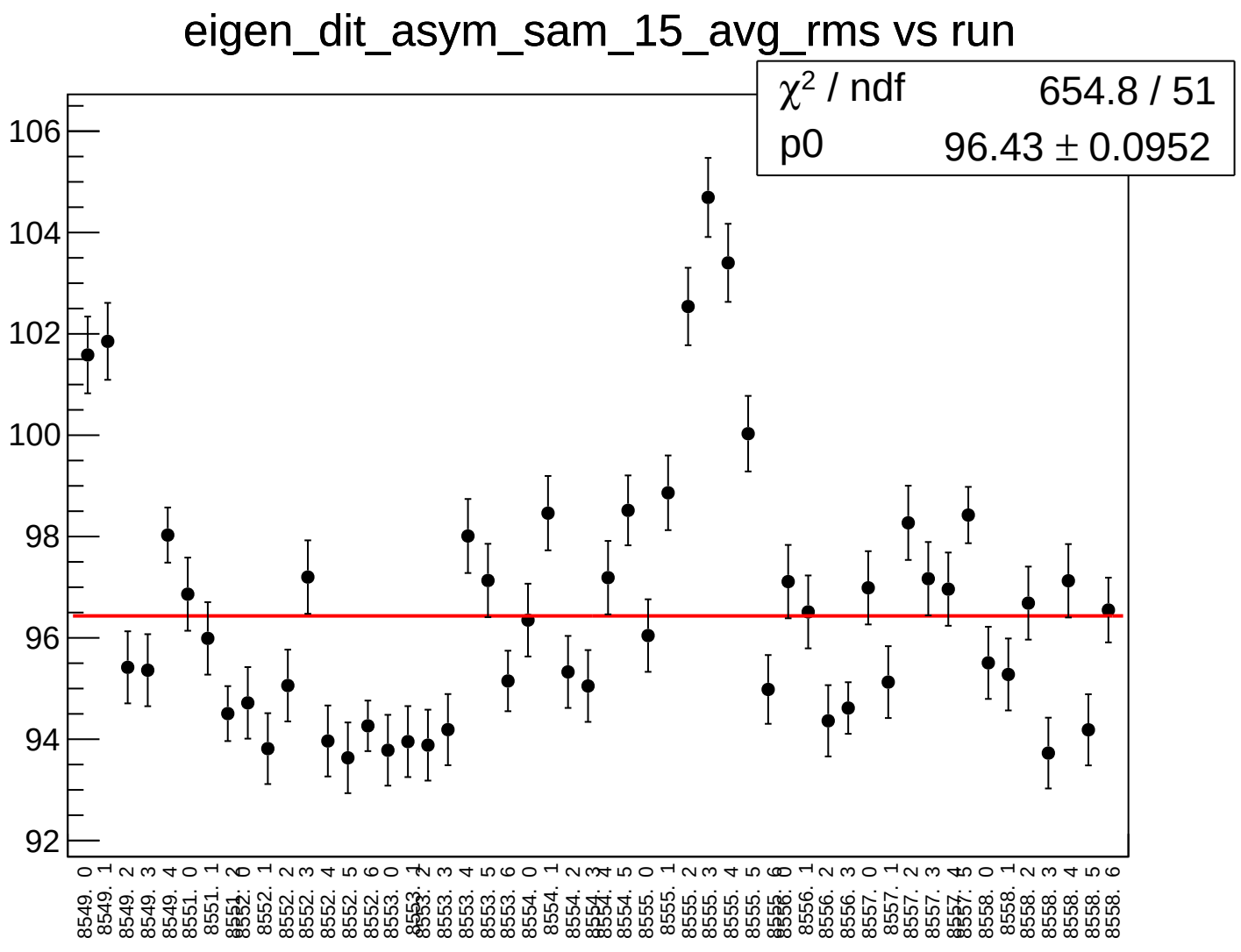
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 5
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6


eigen_dit_asym_sam_15_avg_mean vs run
χ² / ndf 56.02 / 51
p0 −45.71 ± 134.6
3000
2000
1000
0
−1000
−2000
−3000
pull
Entries 52
Mean 91.04
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2


pull1D
Entries 52
Mean −0.02772
Std Dev 1.038
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


eigen_dit_asym_sam_15_avg_rms vs run
χ² / ndf 654.8 / 51
p0 96.43 ± 0.0952
106
104
102
100
98
96
94
92
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
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8553. 5
8553. 6
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8554. 1
8554. 2
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
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8558. 1
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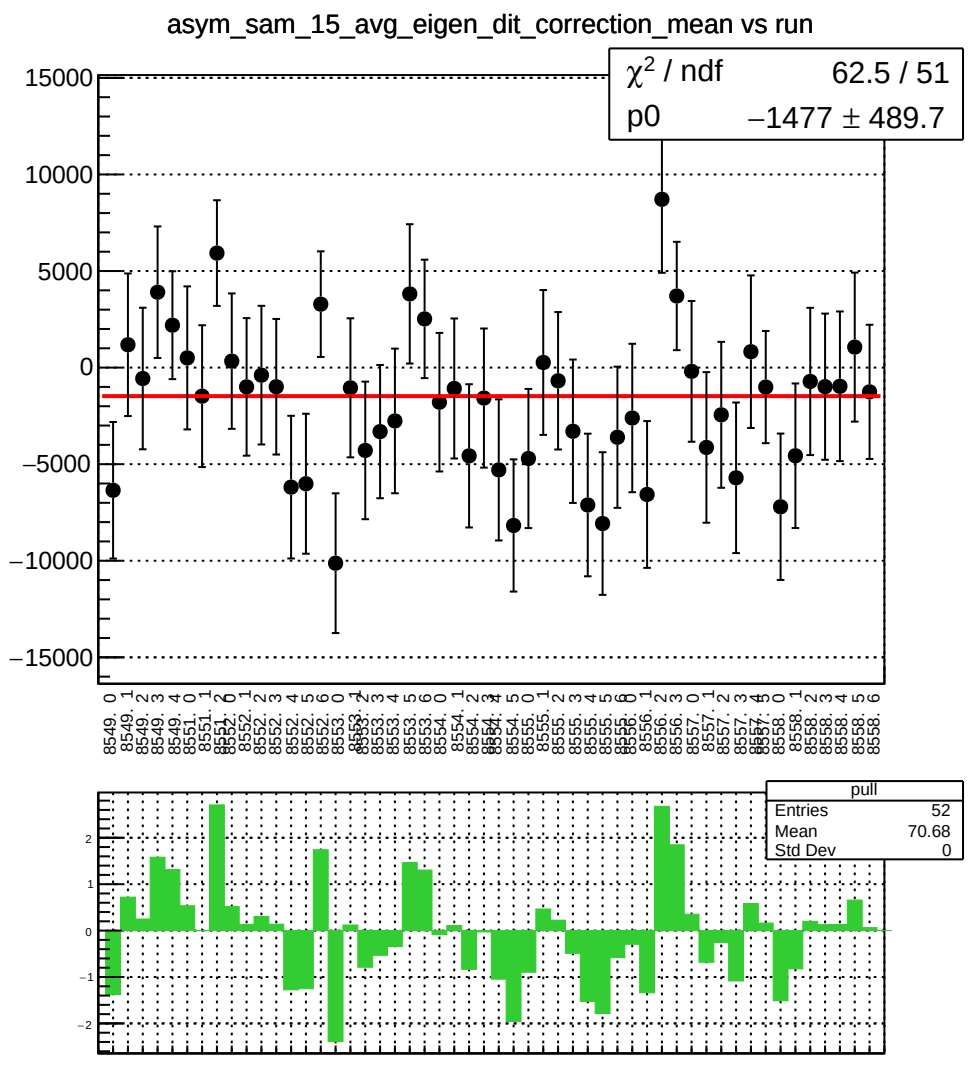
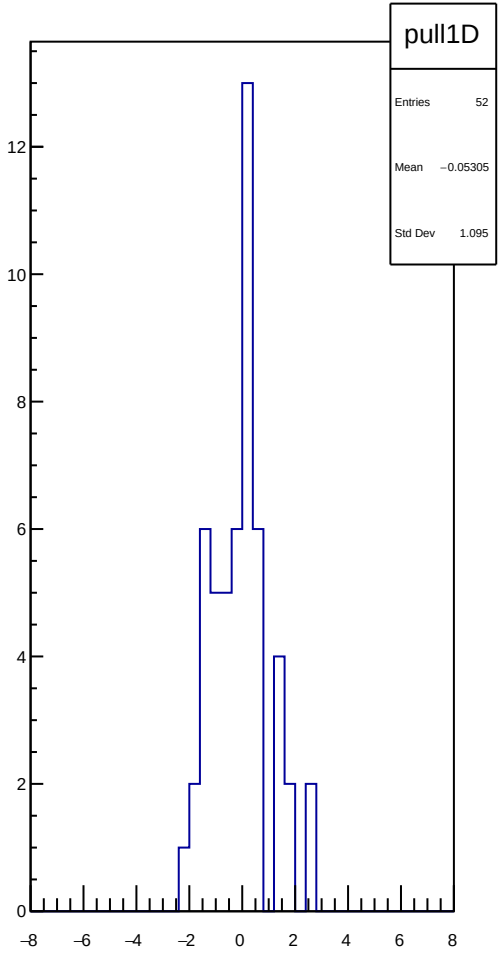
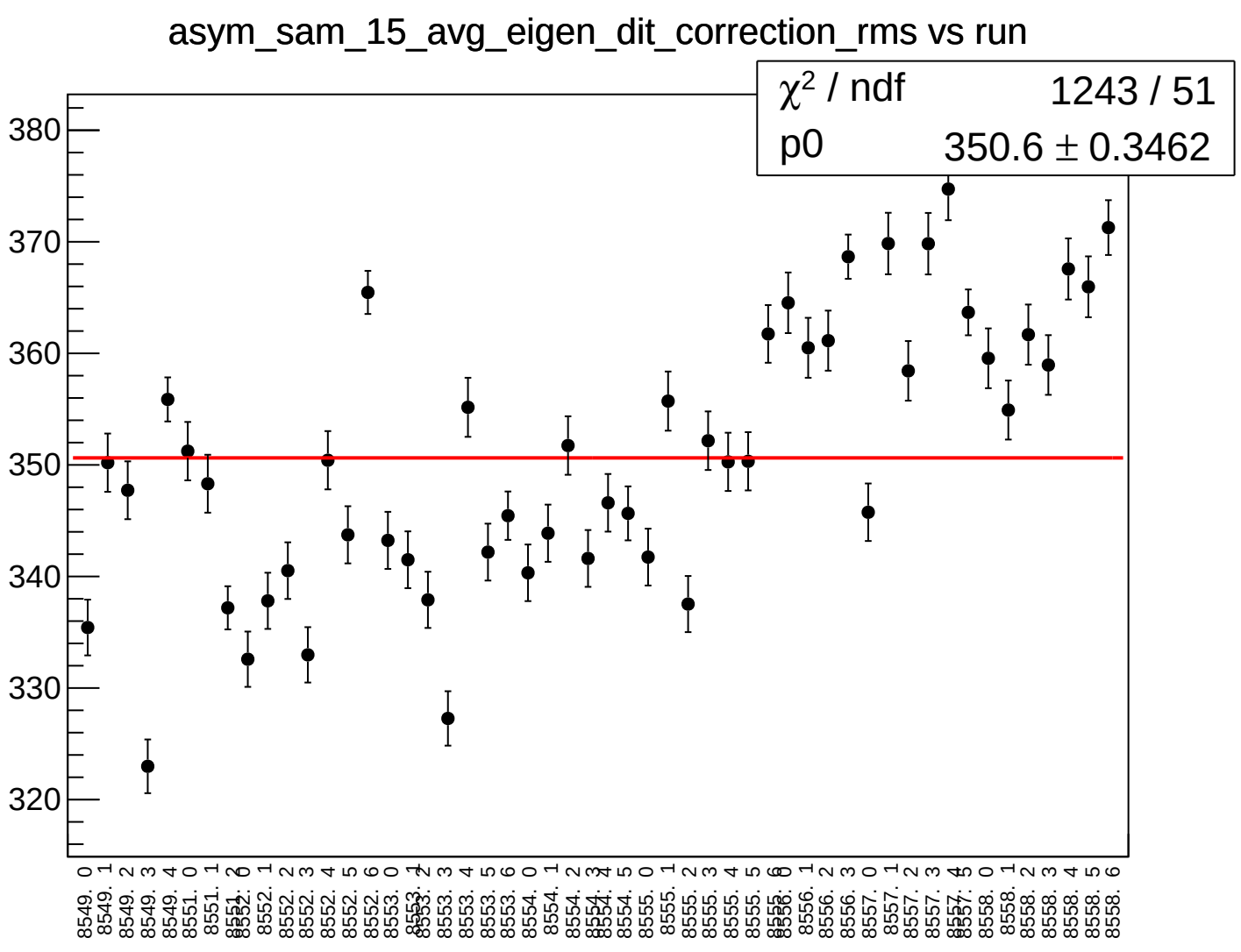
8558. 5
8558. 6


asym_sam_15_avg_eigen_dit_correction_mean vs run
χ² / ndf 62.5 / 51
p0 −1477 ± 489.7
pull
Entries 52
Mean 70.68
Std Dev 0


pull1D
Entries 52
Mean −0.05305
Std Dev 1.095


asym_sam_15_avg_eigen_dit_correction_rms vs run
χ² / ndf 1243 / 51
p0 350.6 ± 0.3462
380
370
360
350
340
330
320
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
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8552. 6
8553. 0
8553. 3
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8556. 2
8556. 3
8557. 0
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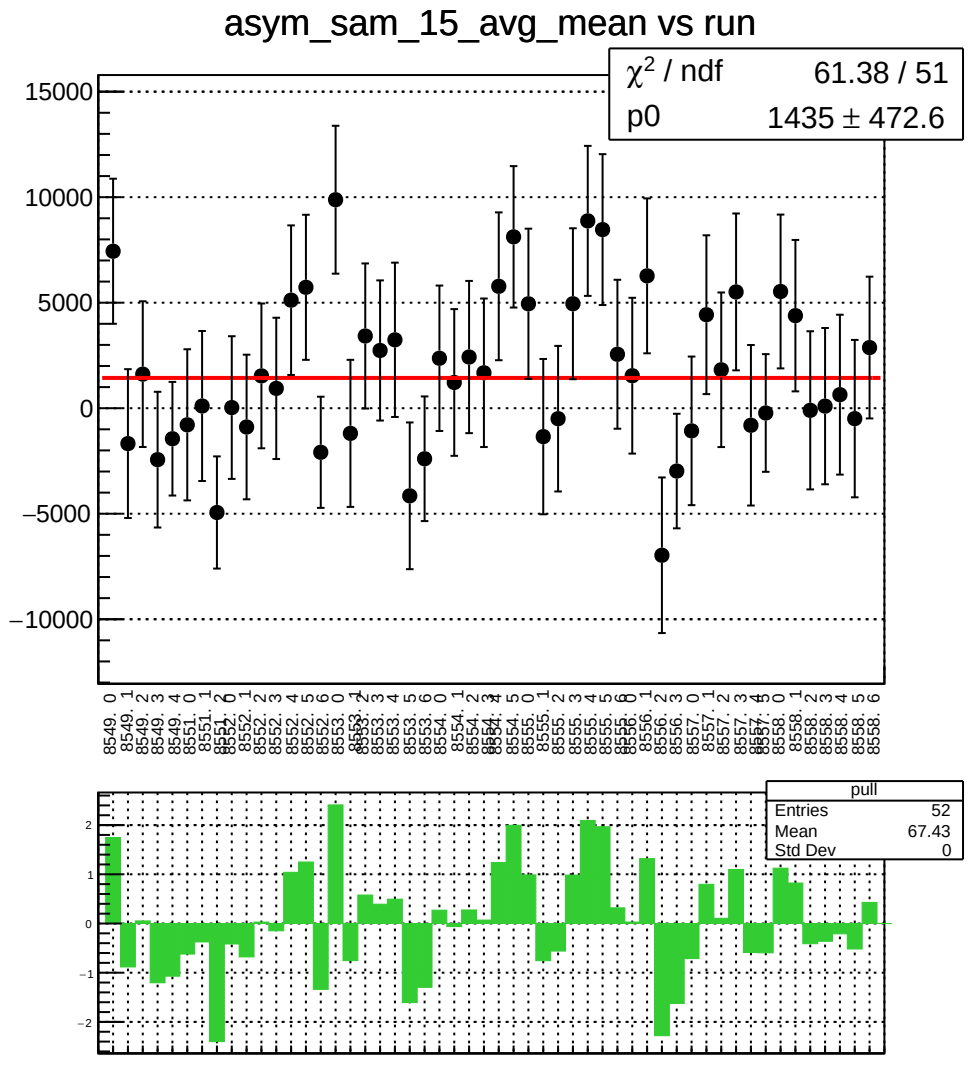
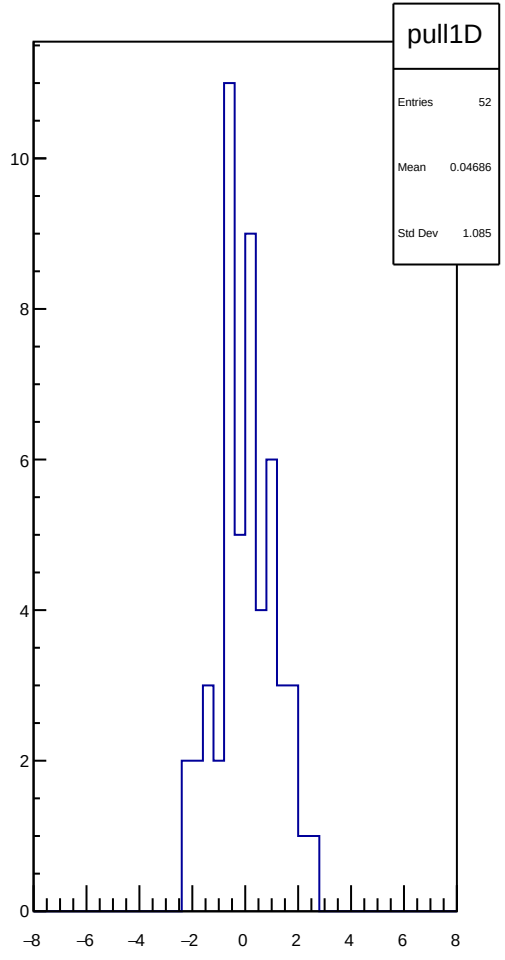
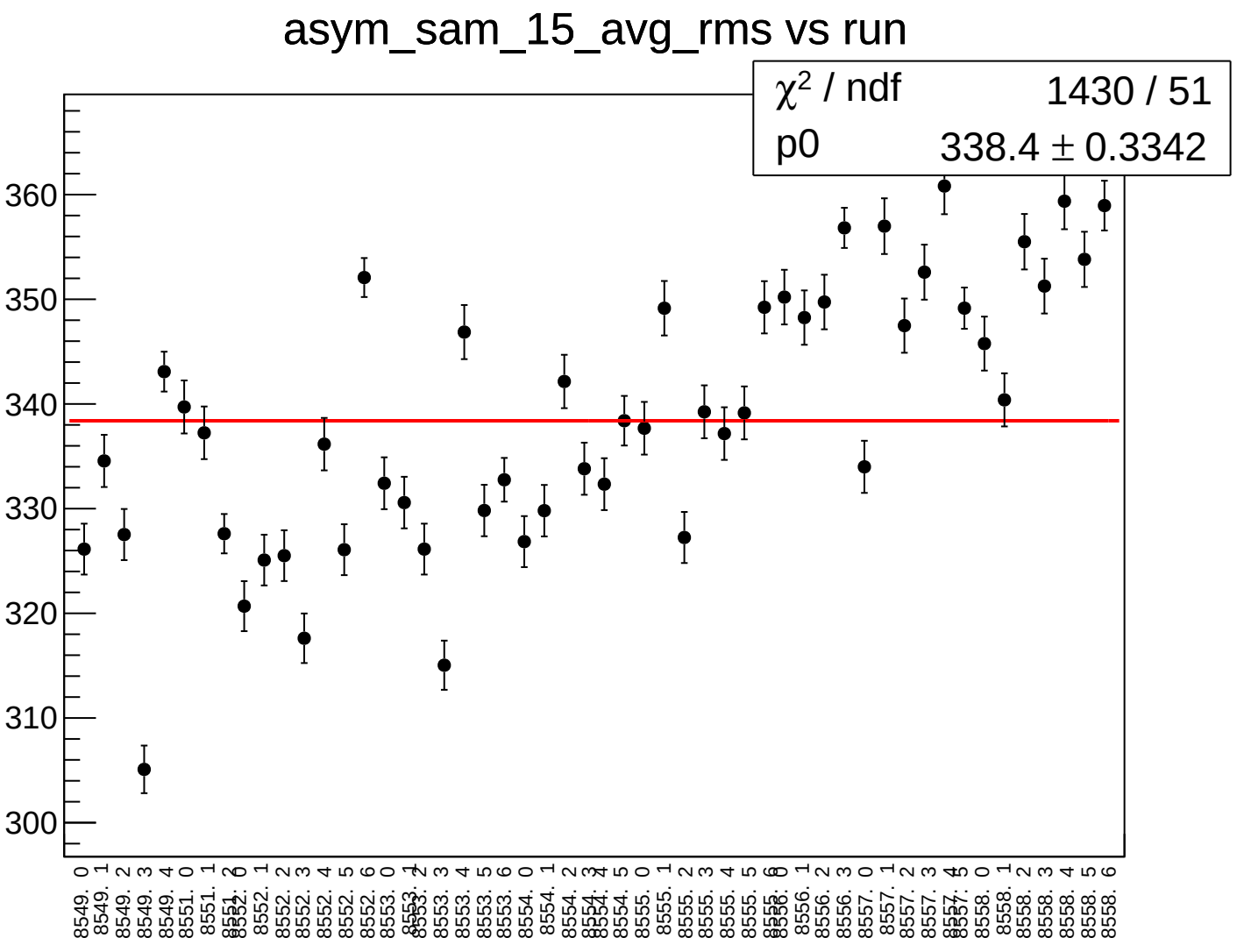
8558. 5
8558. 6


asym_sam_15_avg_mean vs run
χ² / ndf 61.38 / 51
p0 1435 ± 472.6
15000
10000
5000
0
−5000
−10000
pull
Entries 52
Mean 67.43
Std Dev 0
2
1
0
−1
−2


pull1D
Entries 52
Mean 0.04686
Std Dev 1.085
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


asym_sam_15_avg_rms vs run
χ² / ndf 1430 / 51
p0 338.4 ± 0.3342
360
350
340
330
320
310
300
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
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8553. 6
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8554. 2
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8558. 2
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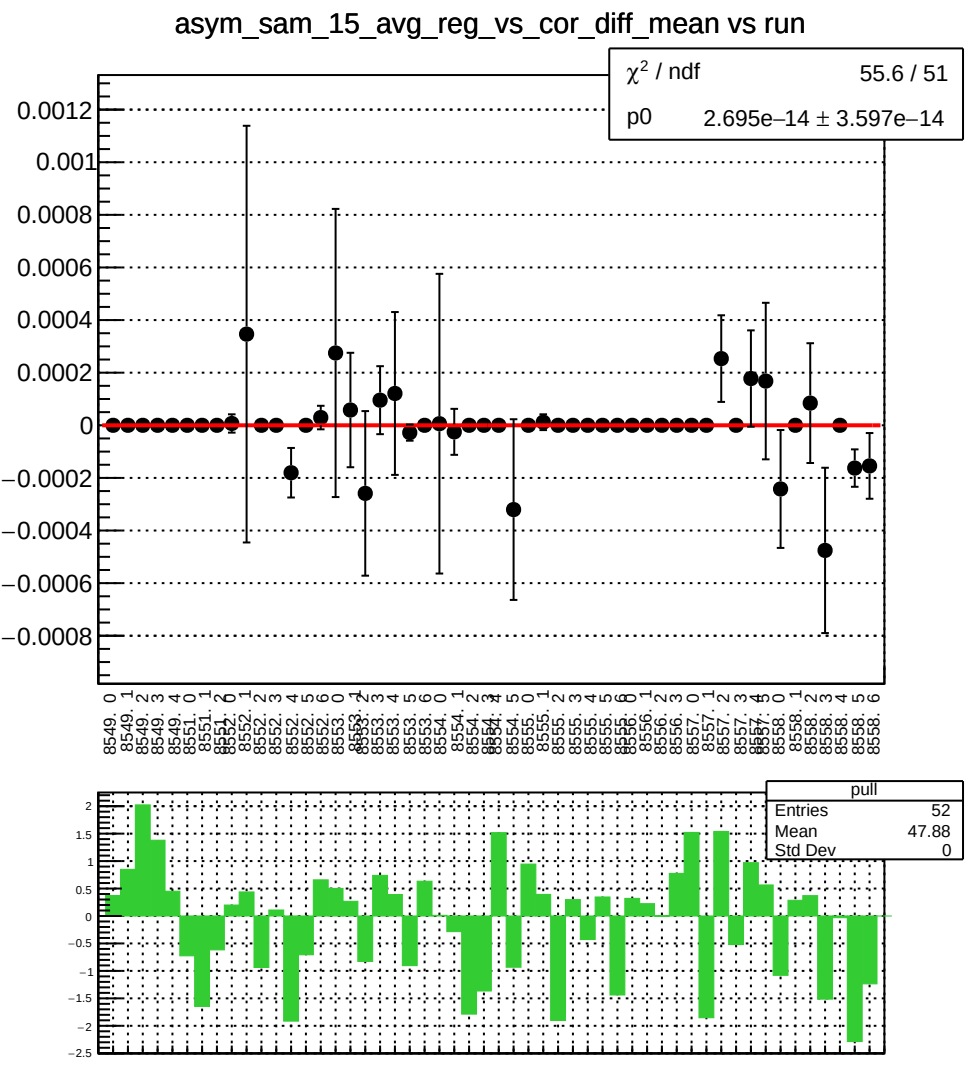
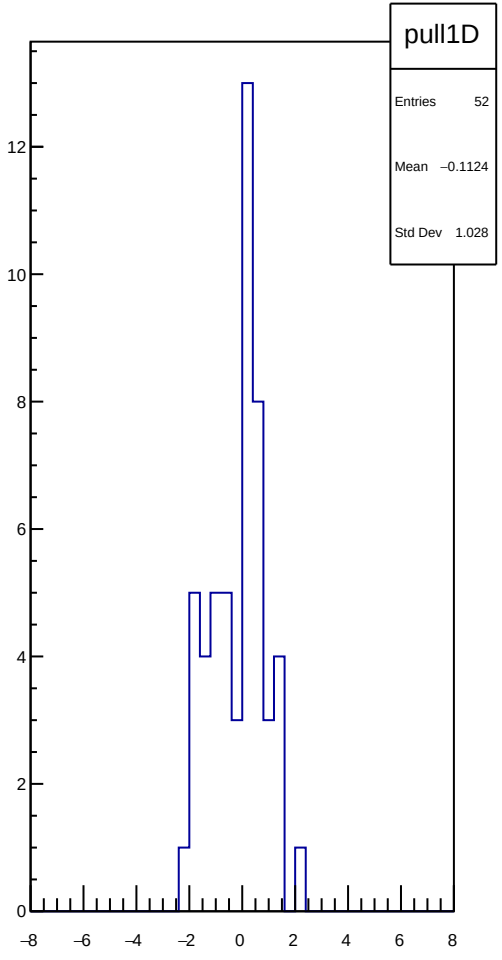
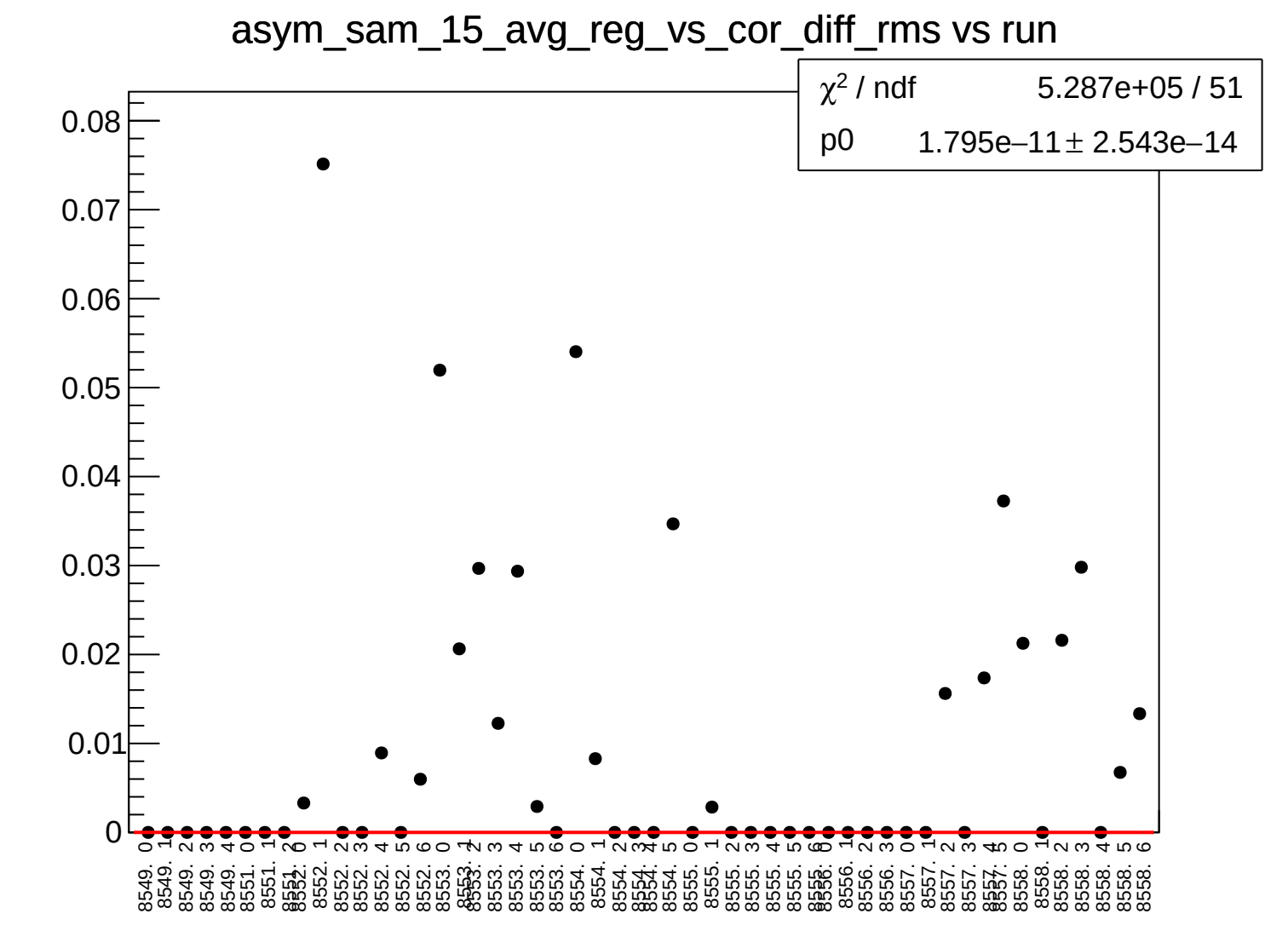
8558. 5
8558. 6


asym_sam_15_avg_reg_vs_cor_diff_mean vs run
χ² / ndf 55.6 / 51
p0 2.695e−14 ± 3.597e−14
pull
Entries 52
Mean 47.88
Std Dev 0


pull1D
Entries 52
Mean −0.1124
Std Dev 1.028


asym_sam_15_avg_reg_vs_cor_diff_rms vs run
χ² / ndf 5.287e+05 / 51
p0 1.795e−11 ± 2.543e−14
0.08
0.07
0.06
0.05
0.04
0.03
0.02
0.01
0
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8551. 2
8552. 0
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 1
8553. 2
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 3
8554. 4
8554. 5
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8555. 6
8556. 0
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8557. 4
8557. 5
8558. 0
8558. 1
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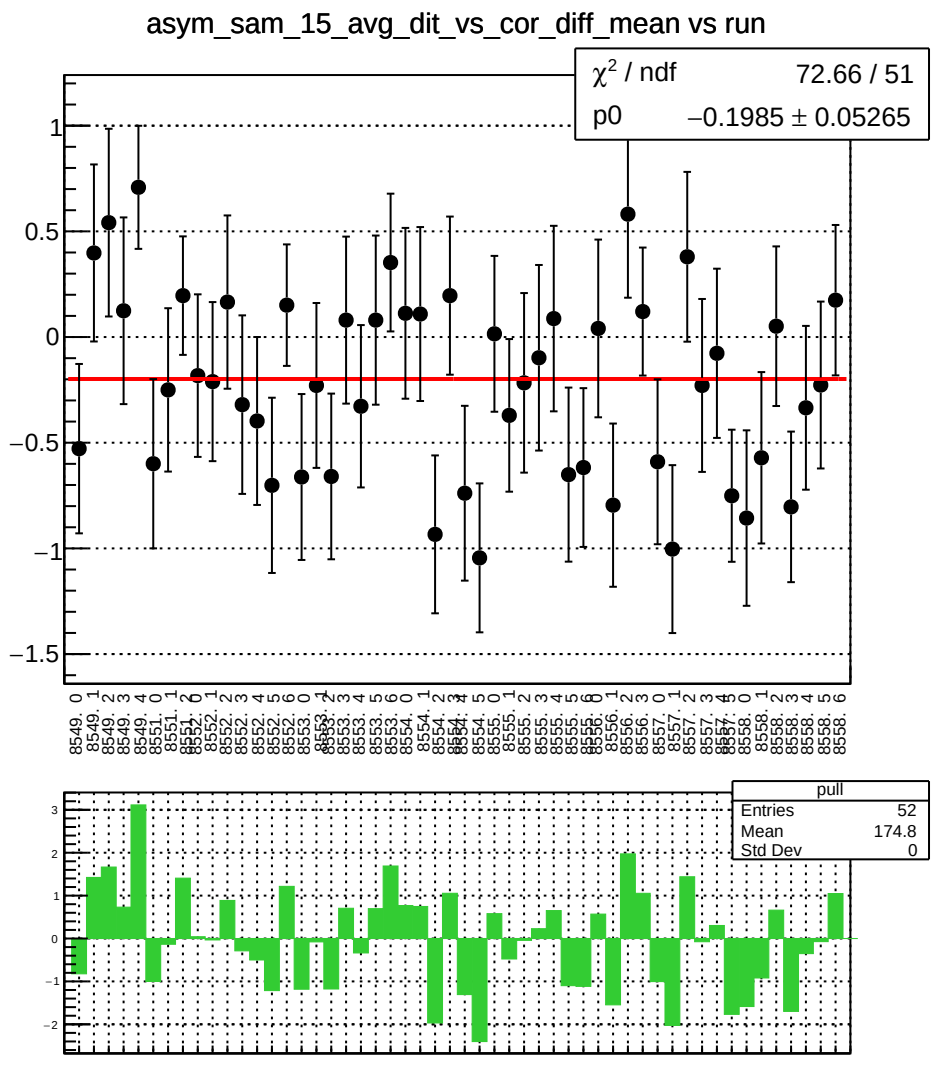
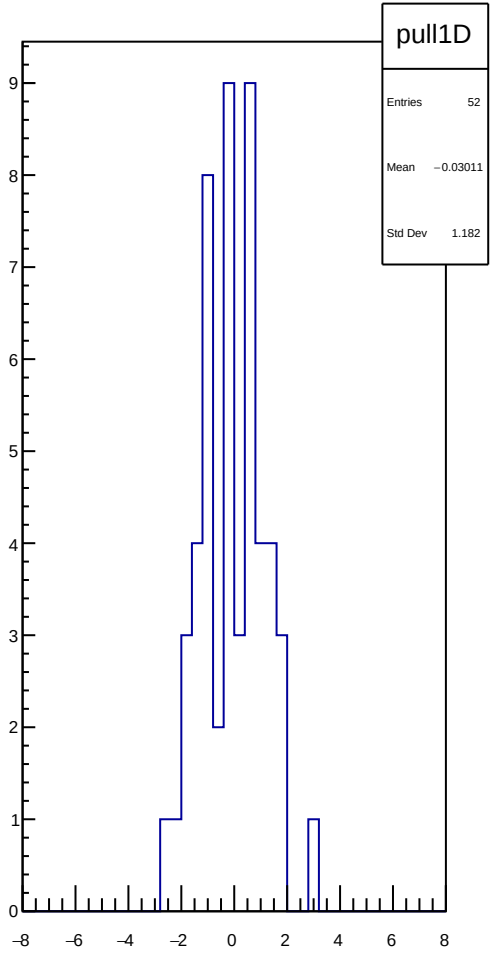
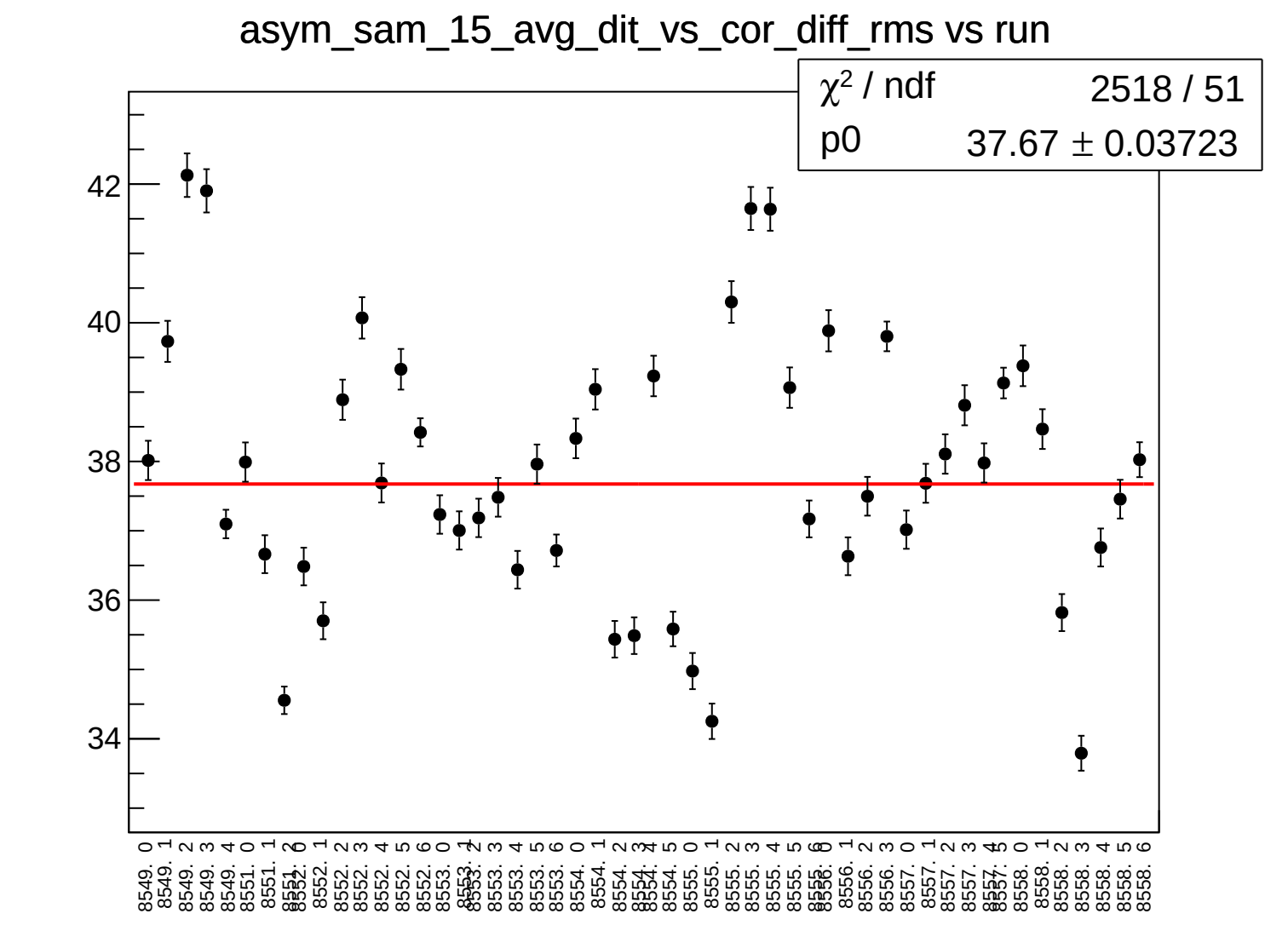
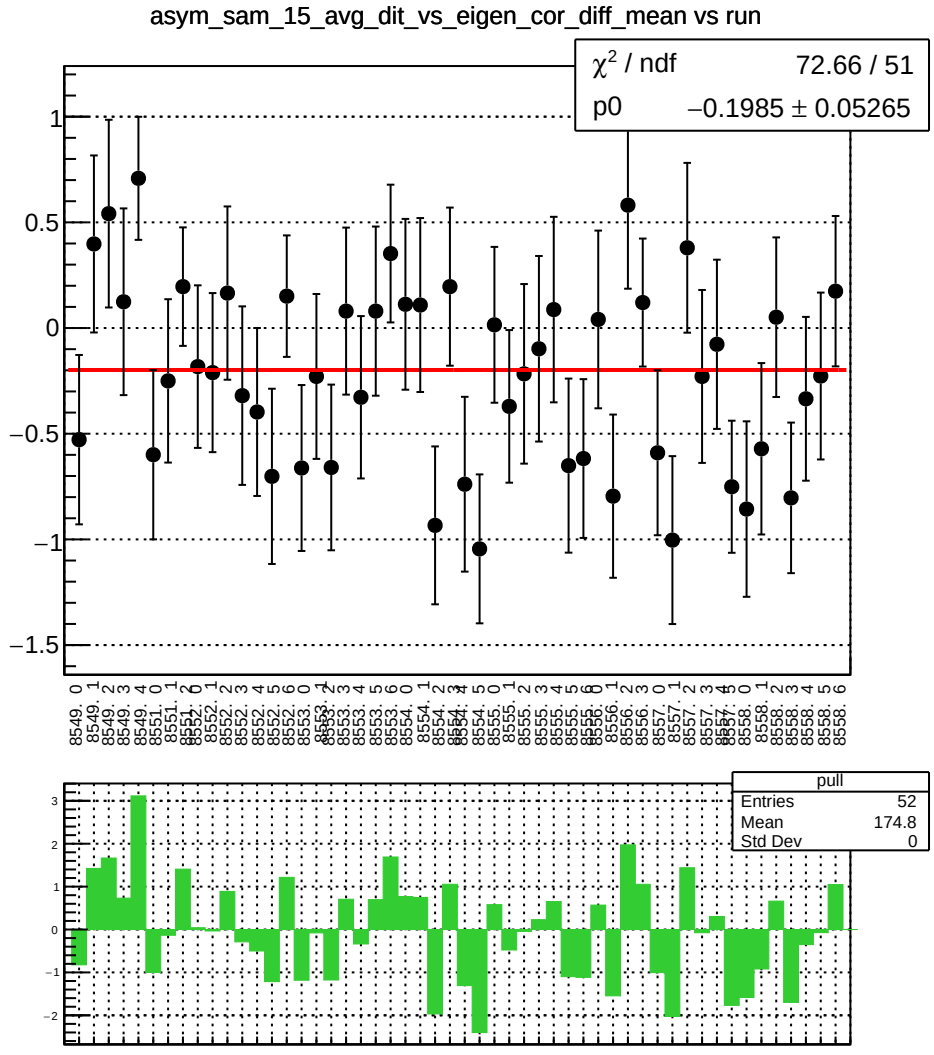
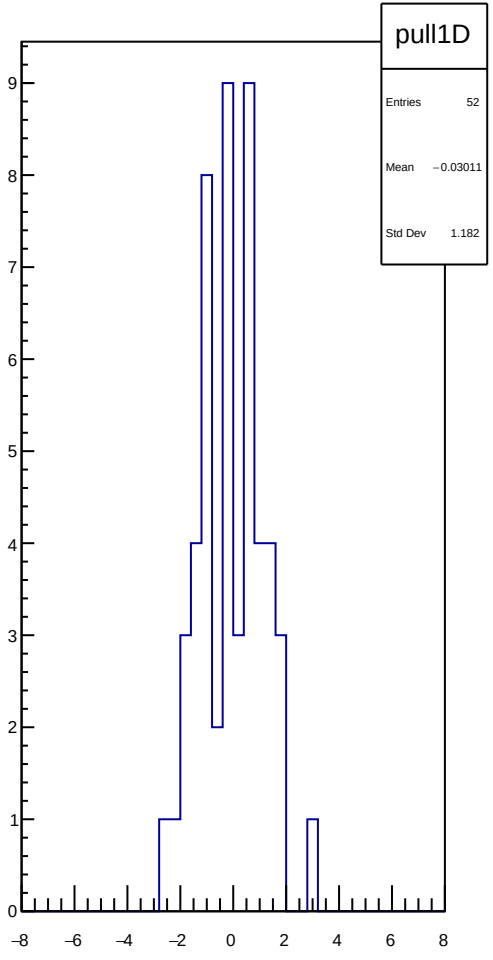
8558. 5
8558. 6

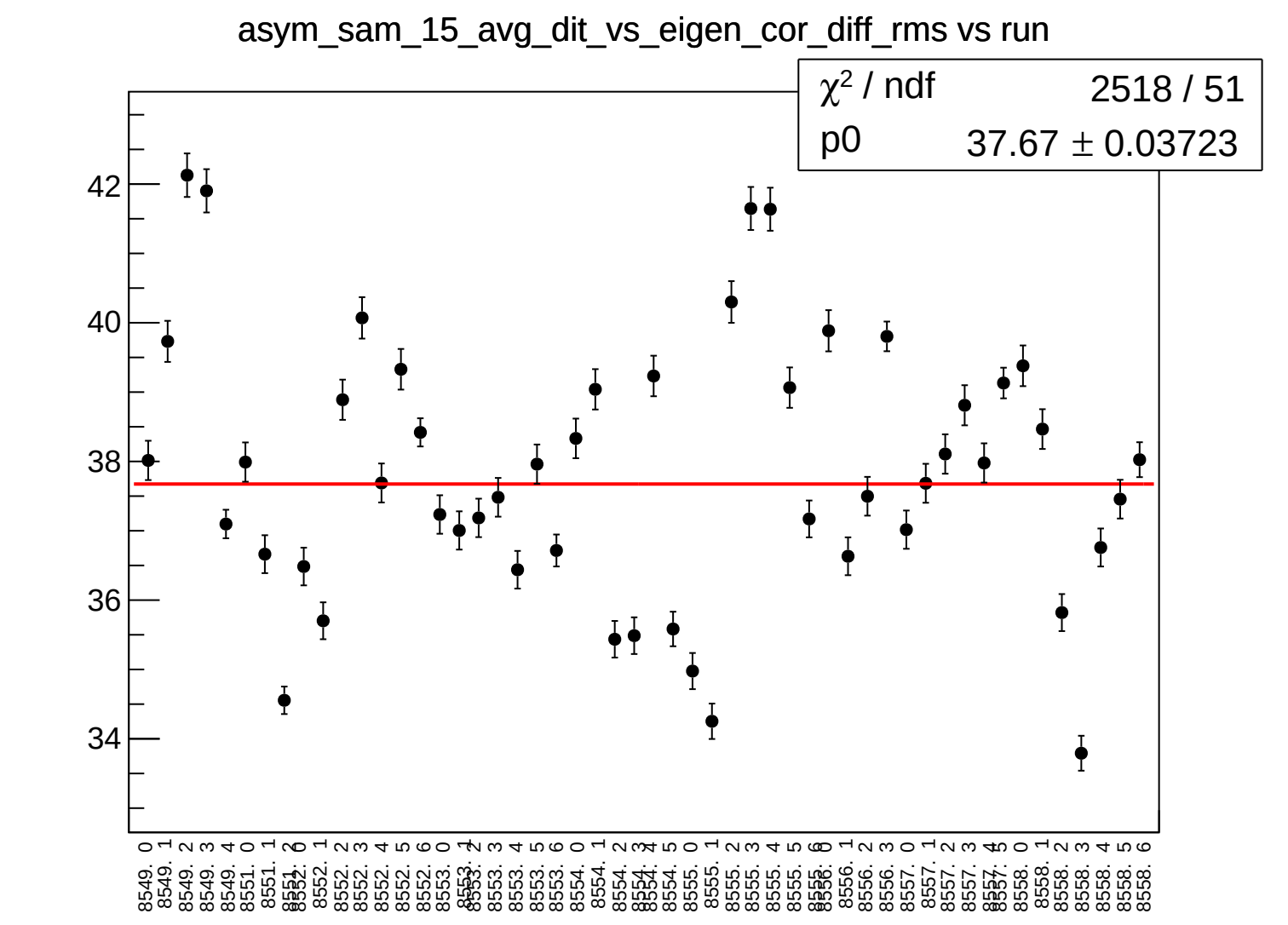

asym_sam_15_avg_dit_vs_cor_diff_mean vs run
χ² / ndf 72.66 / 51
p0 −0.1985 ± 0.05265
pull
Entries 52
Mean 174.8
Std Dev 0

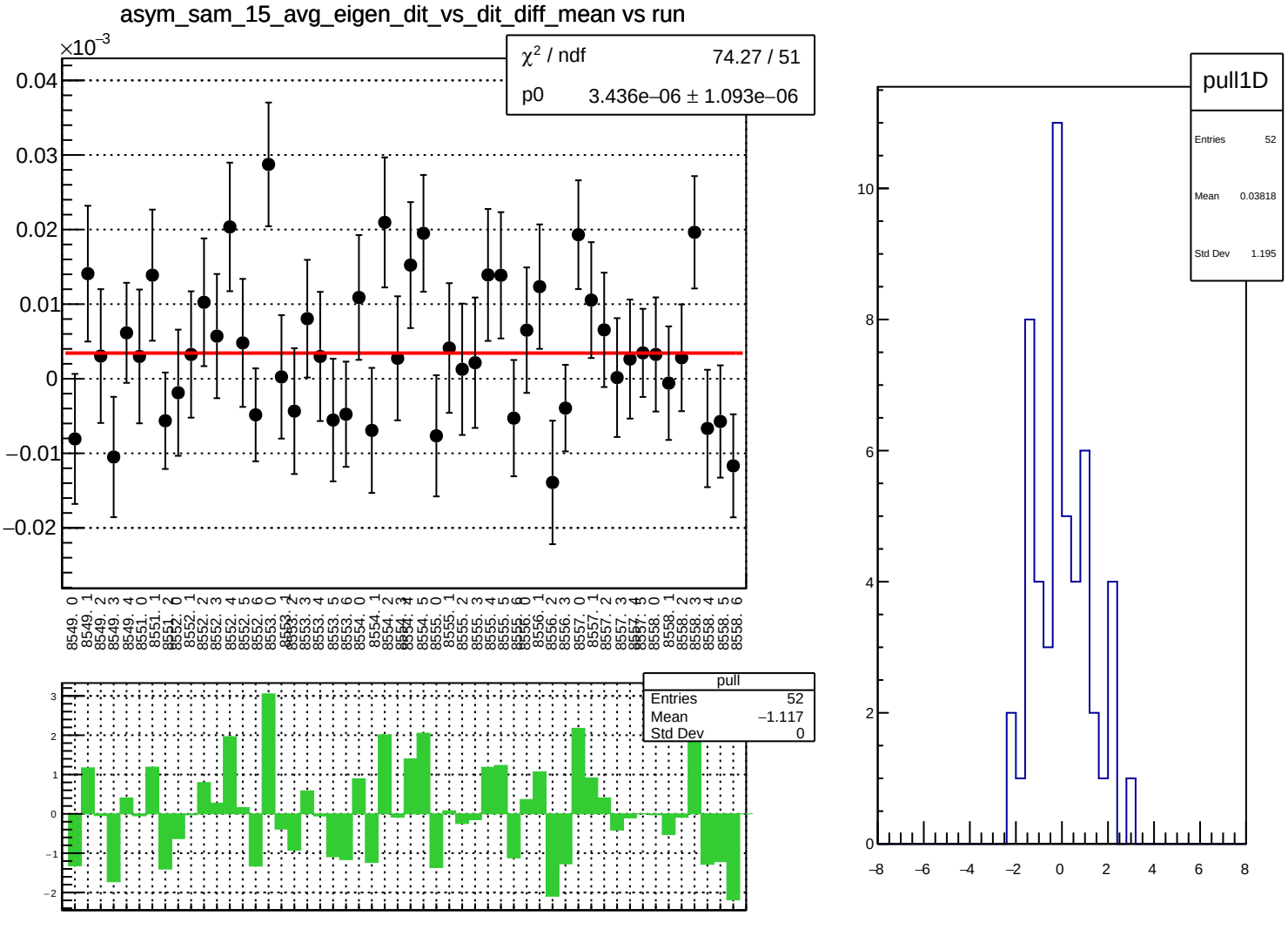

pull1D
Entries 52
Mean −0.03011
Std Dev 1.182

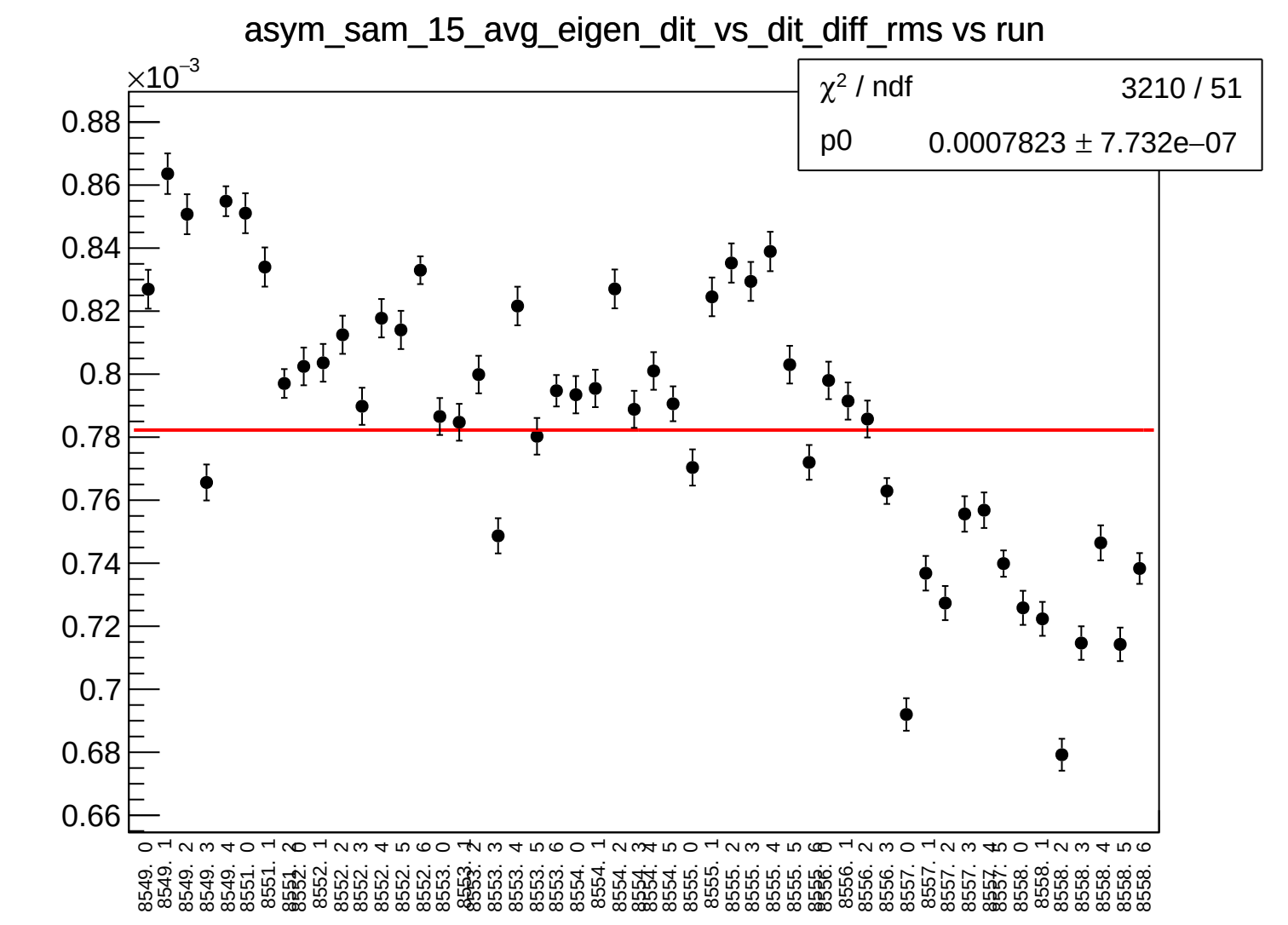

asym_sam_15_avg_dit_vs_cor_diff_rms vs run
χ² / ndf 2518 / 51
p0 37.67 ± 0.03723
42
40
38
36
34
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

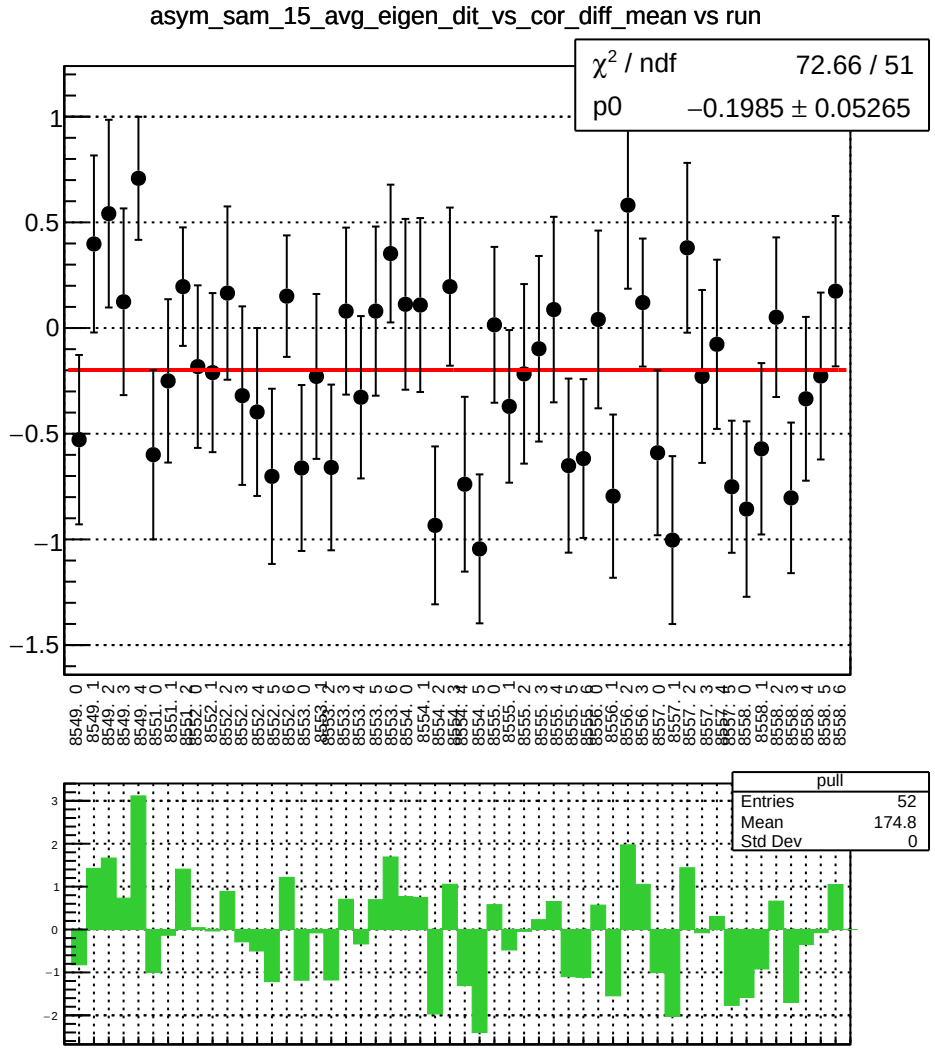

asym_sam_15_avg_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 72.66 / 51
p0 −0.1985 ± 0.05265
pull
Entries 52
Mean 174.8
Std Dev 0

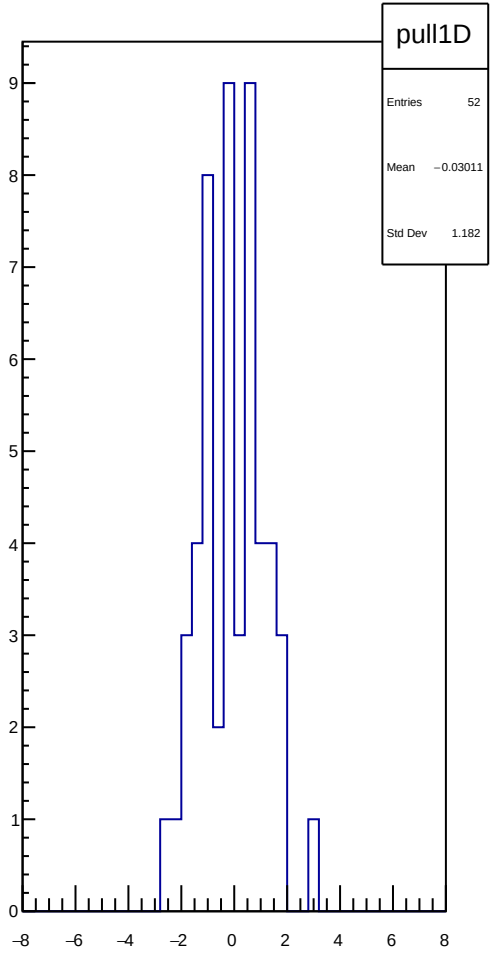

pull1D
Entries 52
Mean −0.03011
Std Dev 1.182

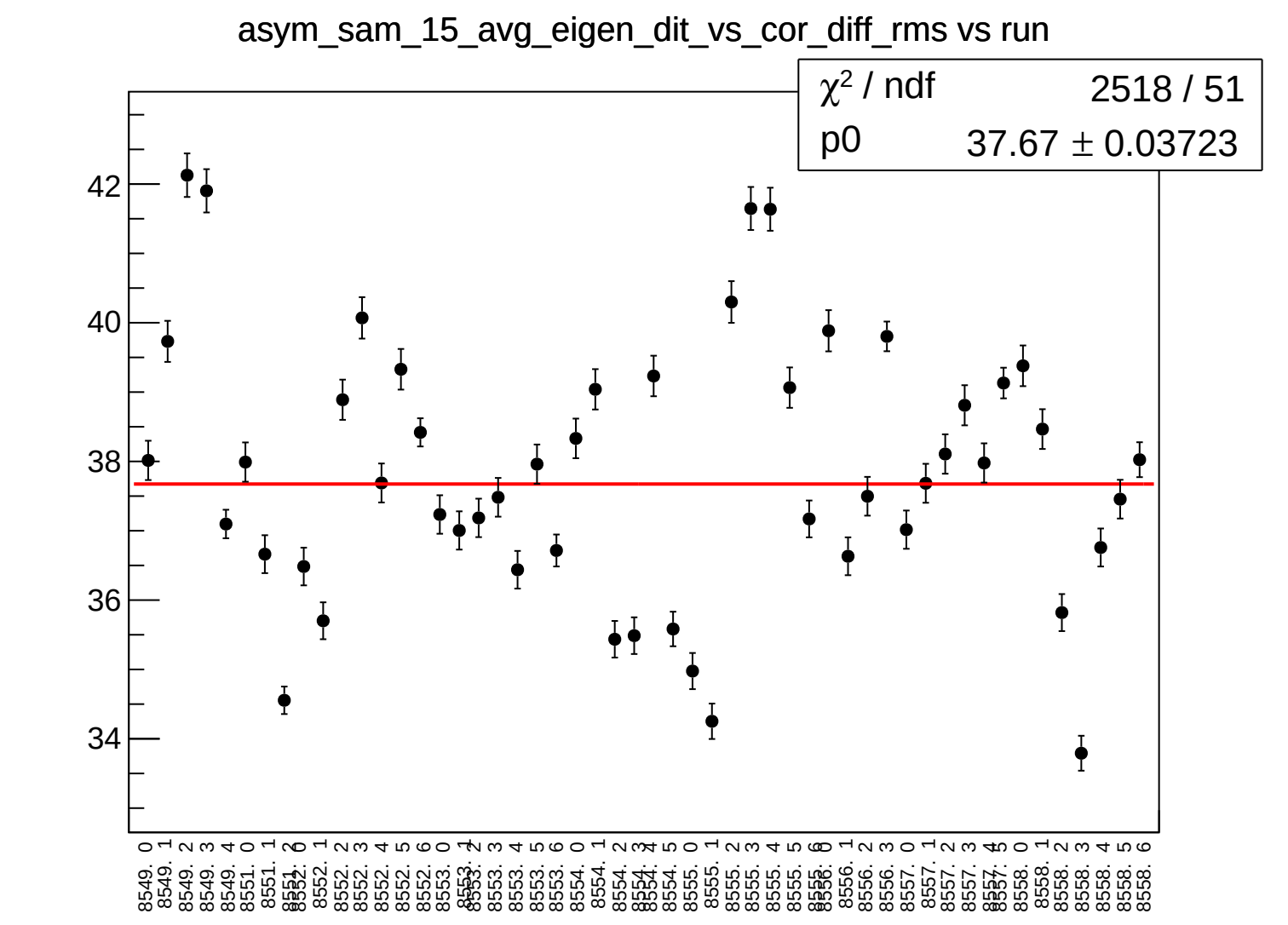

asym_sam_15_avg_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 2518 / 51
p0 37.67 ± 0.03723
42
40
38
36
34
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

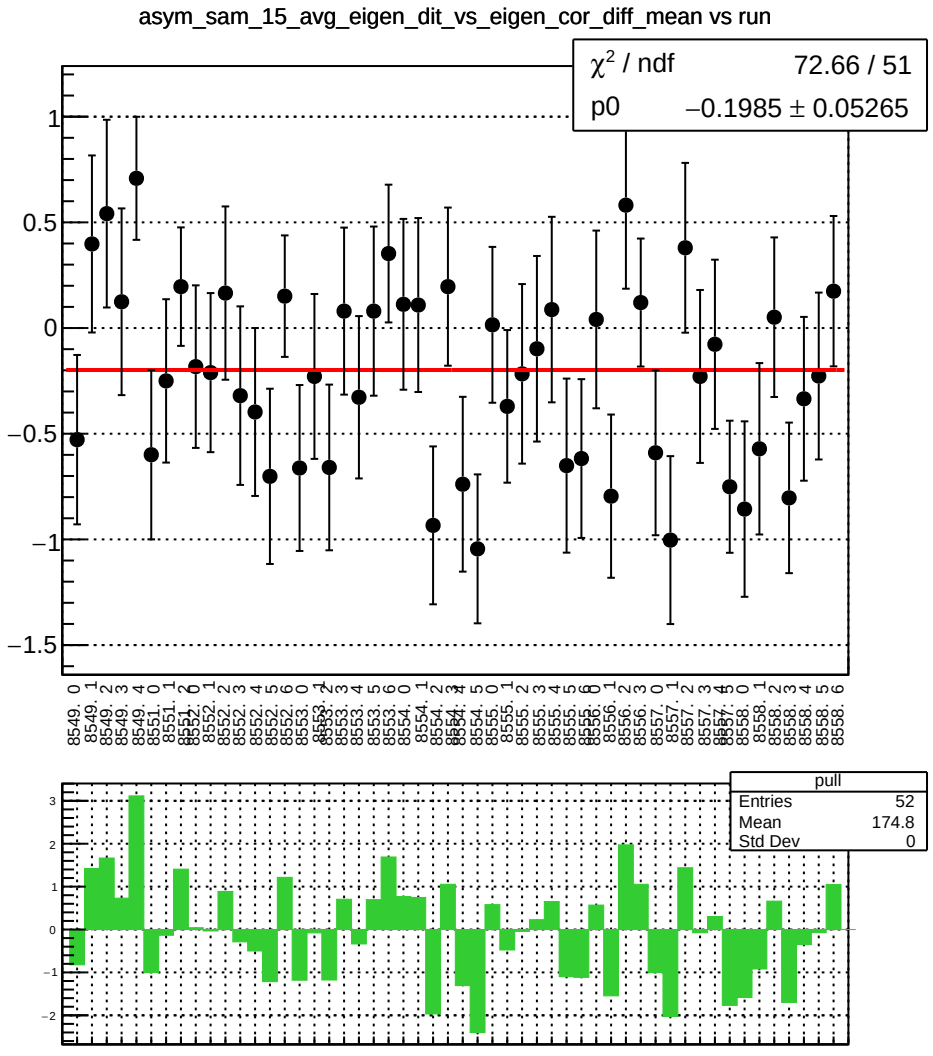

asym_sam_15_avg_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 74.27 / 51
p0 3.436e−06 ± 1.093e−06
0.04
0.03
0.02
0.01
0
−0.01
−0.02
pull
Entries 52
Mean −1.117
Std Dev 0
pull1D
Entries 52
Mean 0.03818
Std Dev 1.195

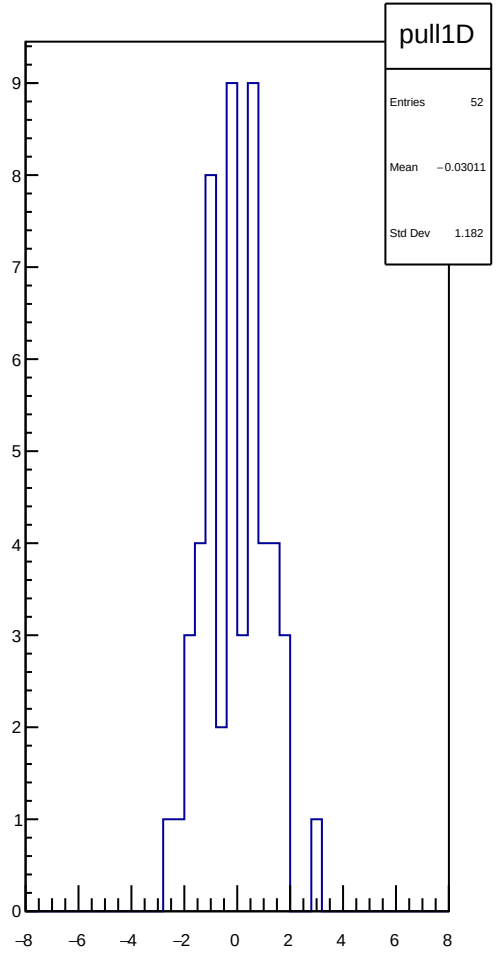

asym_sam_15_avg_eigen_dit_vs_dit_diff_rms vs run
×10⁻³
χ² / ndf 3210 / 51
p0 0.0007823 ± 7.732e−07
0.88
0.86
0.84
0.82
0.8
0.78
0.76
0.74
0.72
0.7
0.68
0.66
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 5
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

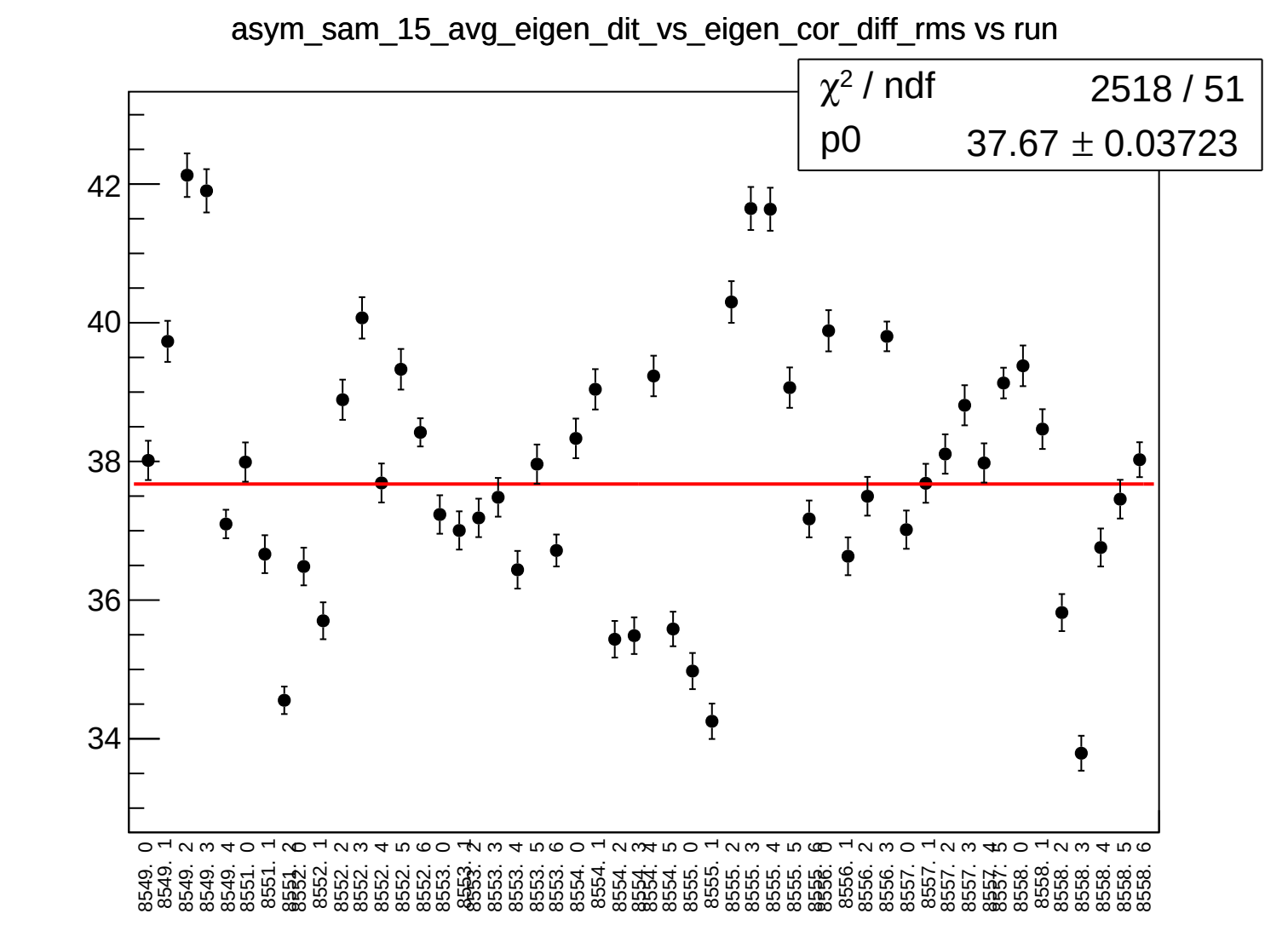

asym_sam_15_avg_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 72.66 / 51
p0 −0.1985 ± 0.05265
pull
Entries 52
Mean 174.8
Std Dev 0

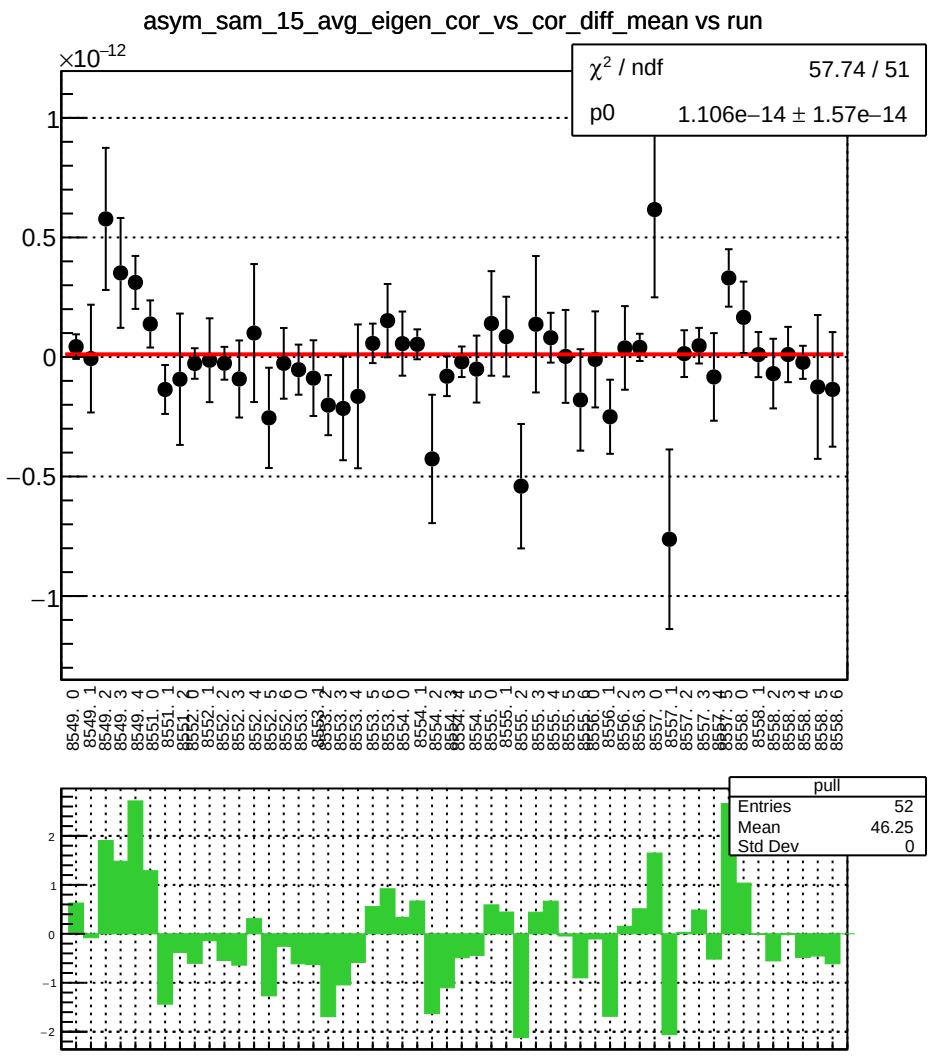

pull1D
Entries 52
Mean −0.03011
Std Dev 1.182

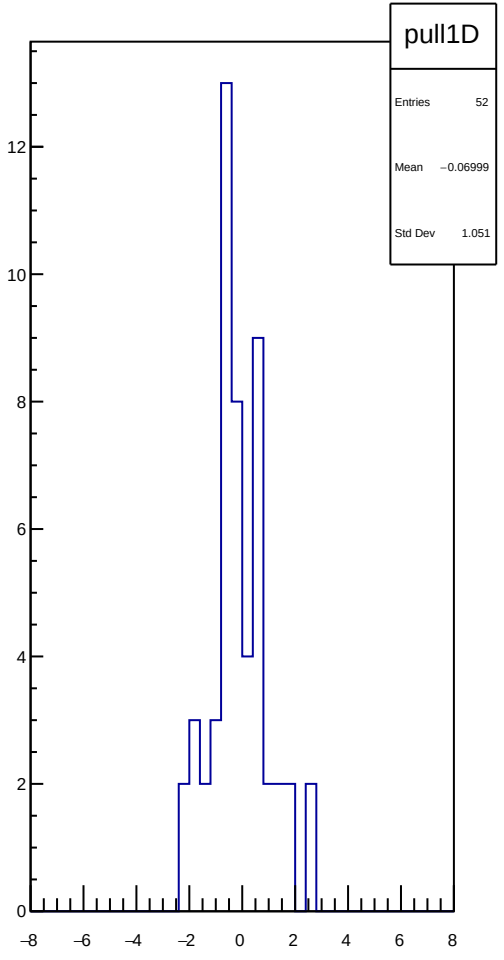

asym_sam_15_avg_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 2518 / 51
p0 37.67 ± 0.03723
42
40
38
36
34
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

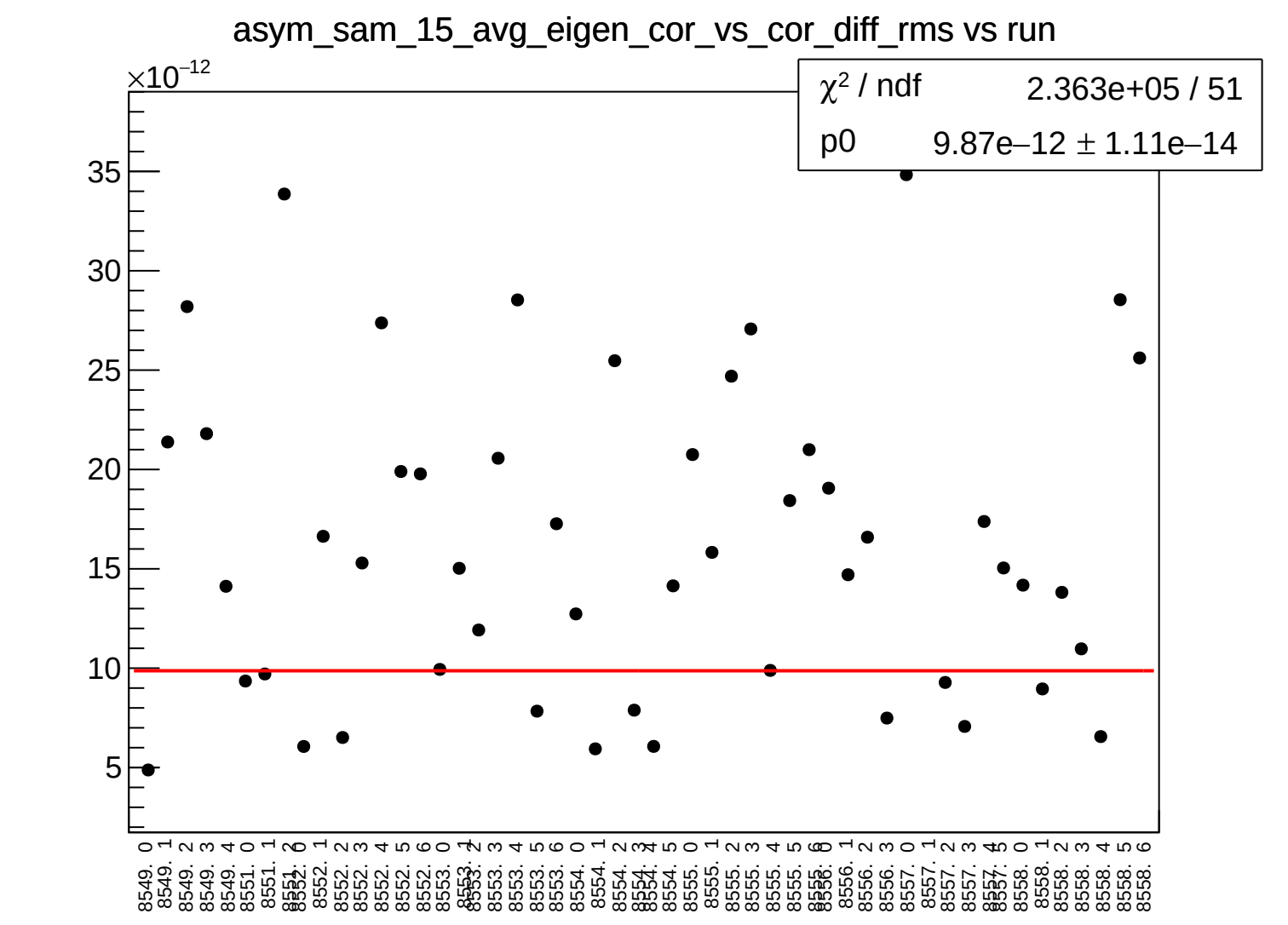

asym_sam_15_avg_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 72.66 / 51
p0 −0.1985 ± 0.05265
pull
Entries 52
Mean 174.8
Std Dev 0

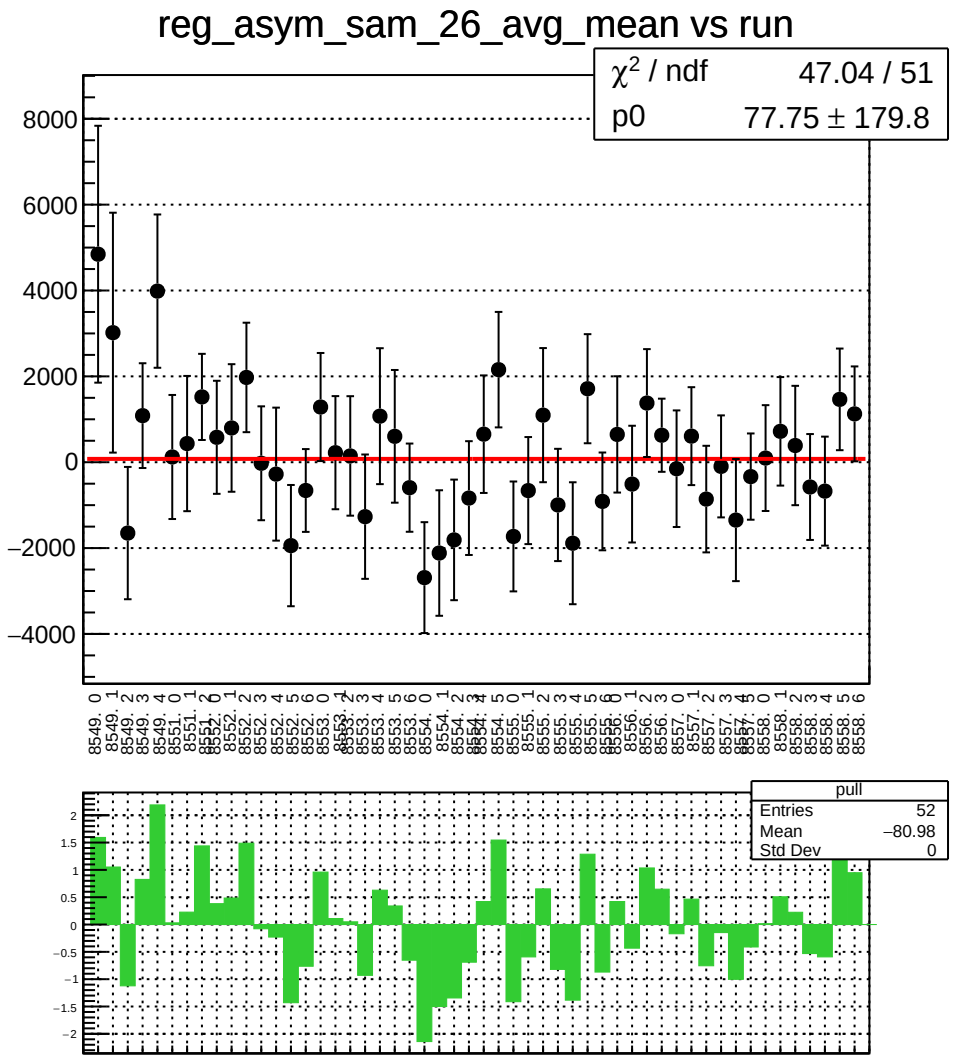

pull1D
Entries 52
Mean −0.03011
Std Dev 1.182

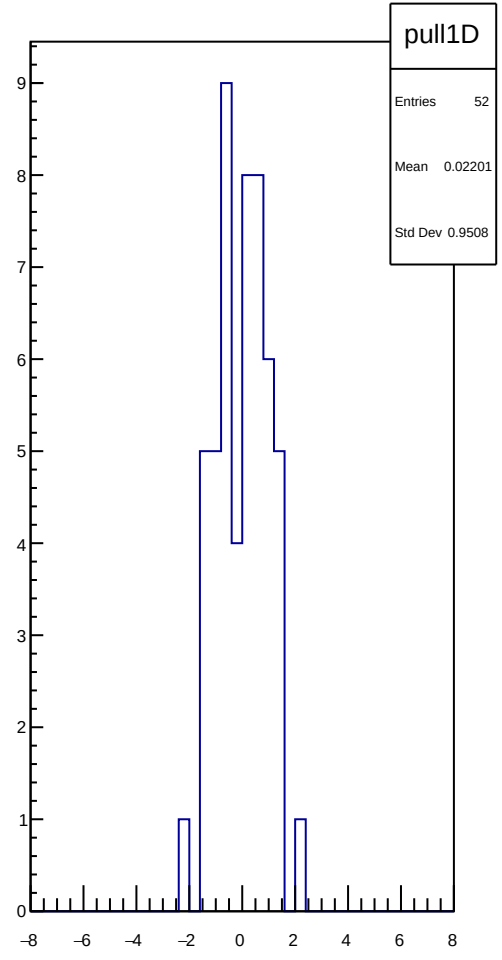

asym_sam_15_avg_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 2518 / 51
p0 37.67 ± 0.03723
42
40
38
36
34
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

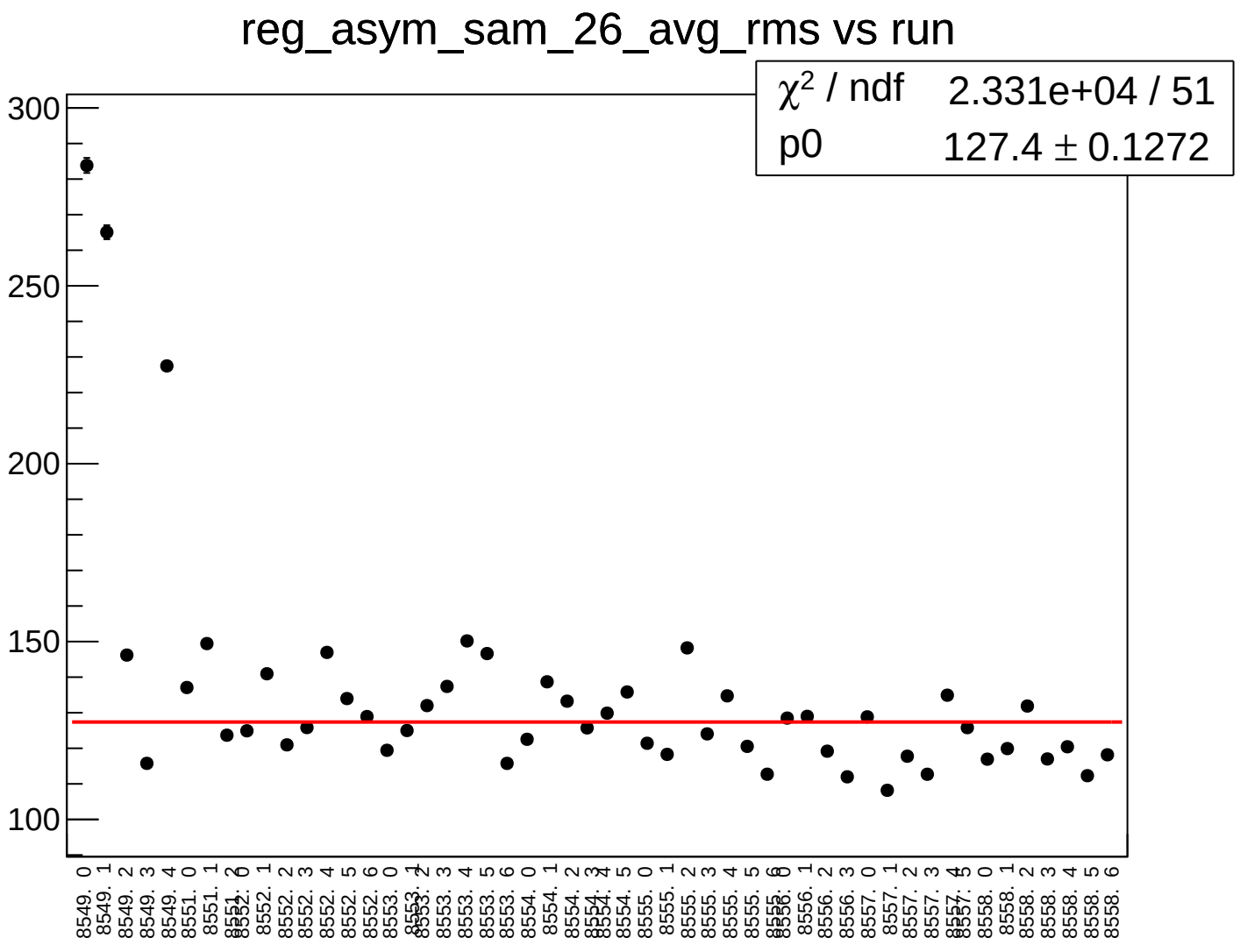

asym_sam_15_avg_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 57.74 / 51
p0 1.106e−14 ± 1.57e−14
pull
Entries 52
Mean 46.25
Std Dev 0

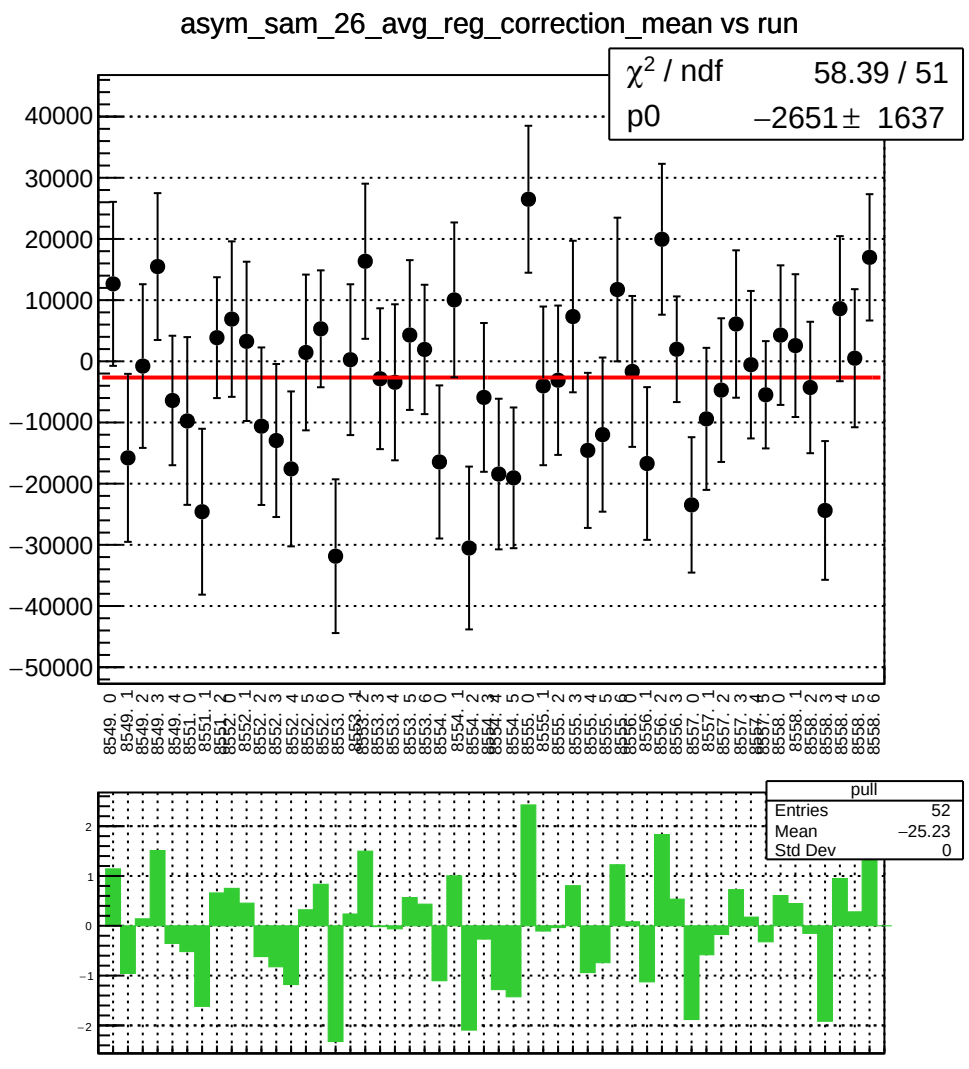

pull1D
Entries 52
Mean −0.06999
Std Dev 1.051

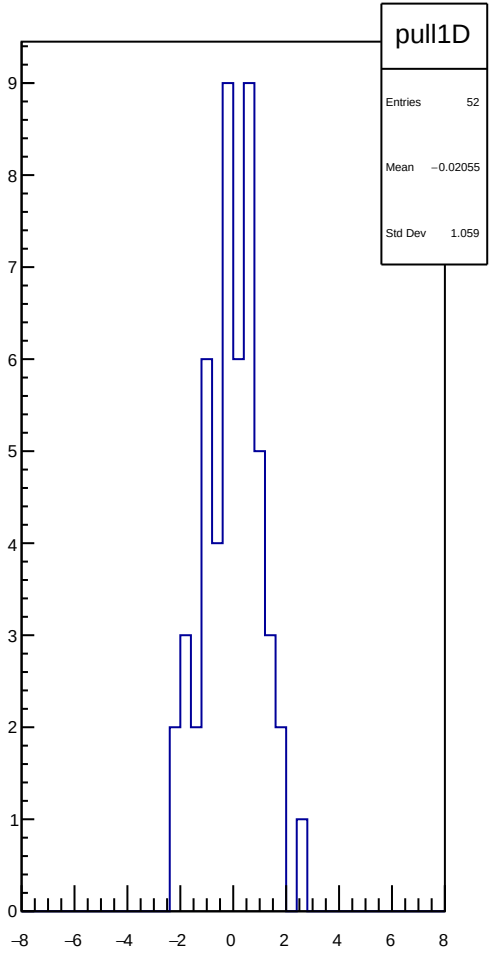

asym_sam_15_avg_eigen_cor_vs_cor_diff_rms vs run
×10⁻¹²
χ² / ndf 2.363e+05 / 51
p0 9.87e−12 ± 1.11e−14
35
30
25
20
15
10
5
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

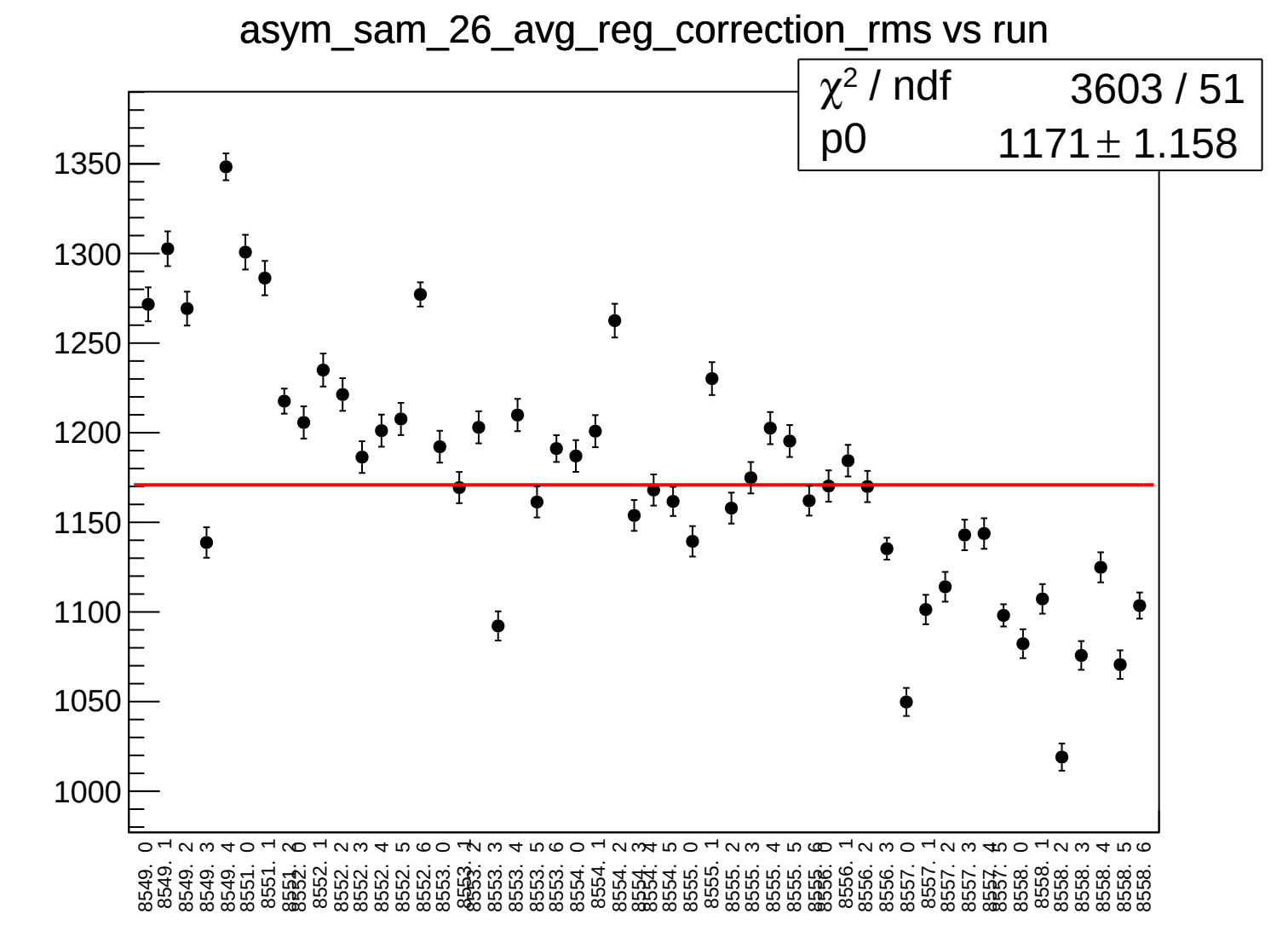

reg_asym_sam_26_avg_mean vs run
χ² / ndf 47.04 / 51
p0 77.75 ± 179.8
pull
Entries 52
Mean −80.98
Std Dev 0


pull1D
Entries 52
Mean 0.02201
Std Dev 0.9508


reg_asym_sam_26_avg_rms vs run
χ² / ndf 2.331e+04 / 51
p0 127.4 ± 0.1272
300
250
200
150
100
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 5
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6


asym_sam_26_avg_reg_correction_mean vs run
χ² / ndf 58.39 / 51
p0 −2651 ± 1637
pull
Entries 52
Mean −25.23
Std Dev 0


pull1D
Entries 52
Mean −0.02055
Std Dev 1.059


asym_sam_26_avg_reg_correction_rms vs run
χ² / ndf 3603 / 51
p0 1171 ± 1.158
1350
1300
1250
1200
1150
1100
1050
1000
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
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8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
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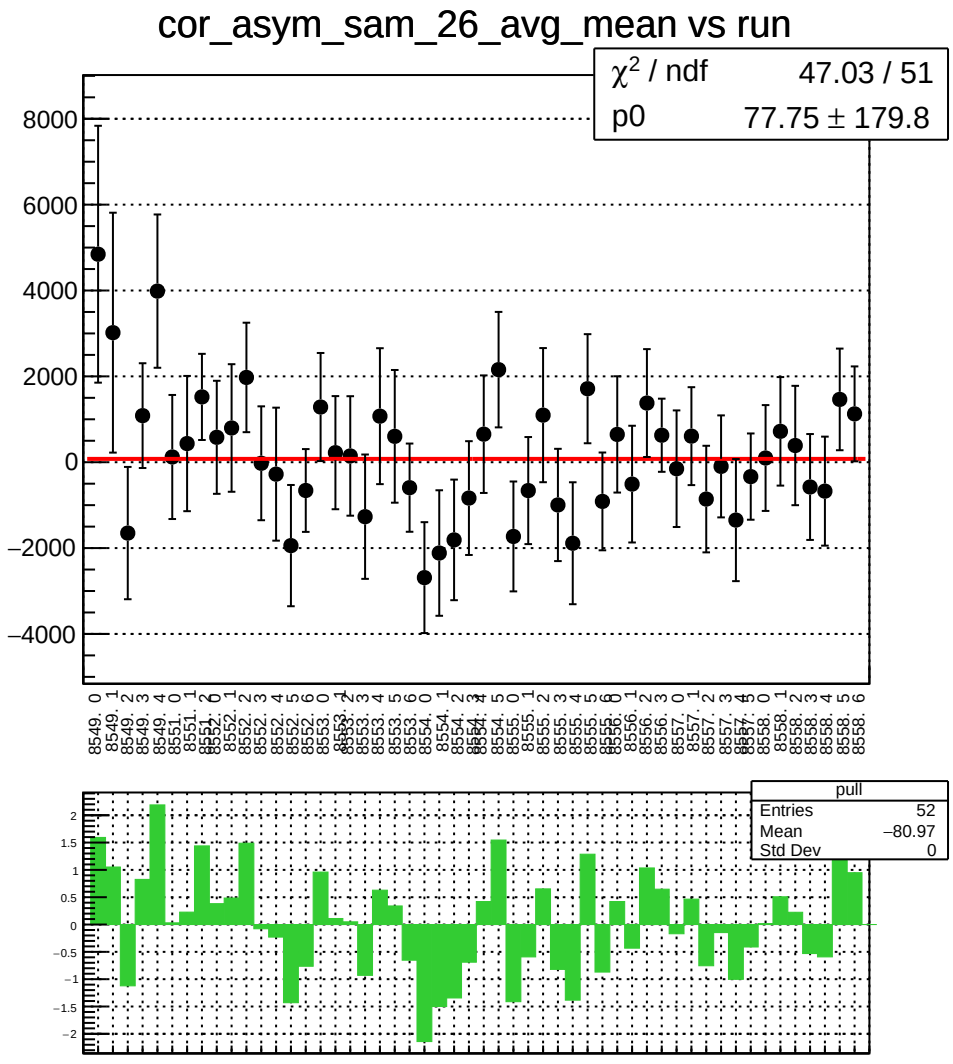
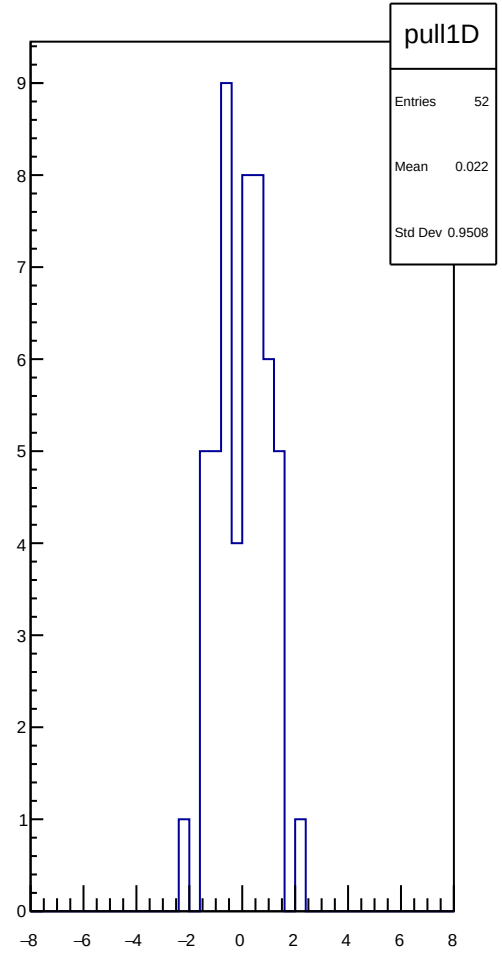
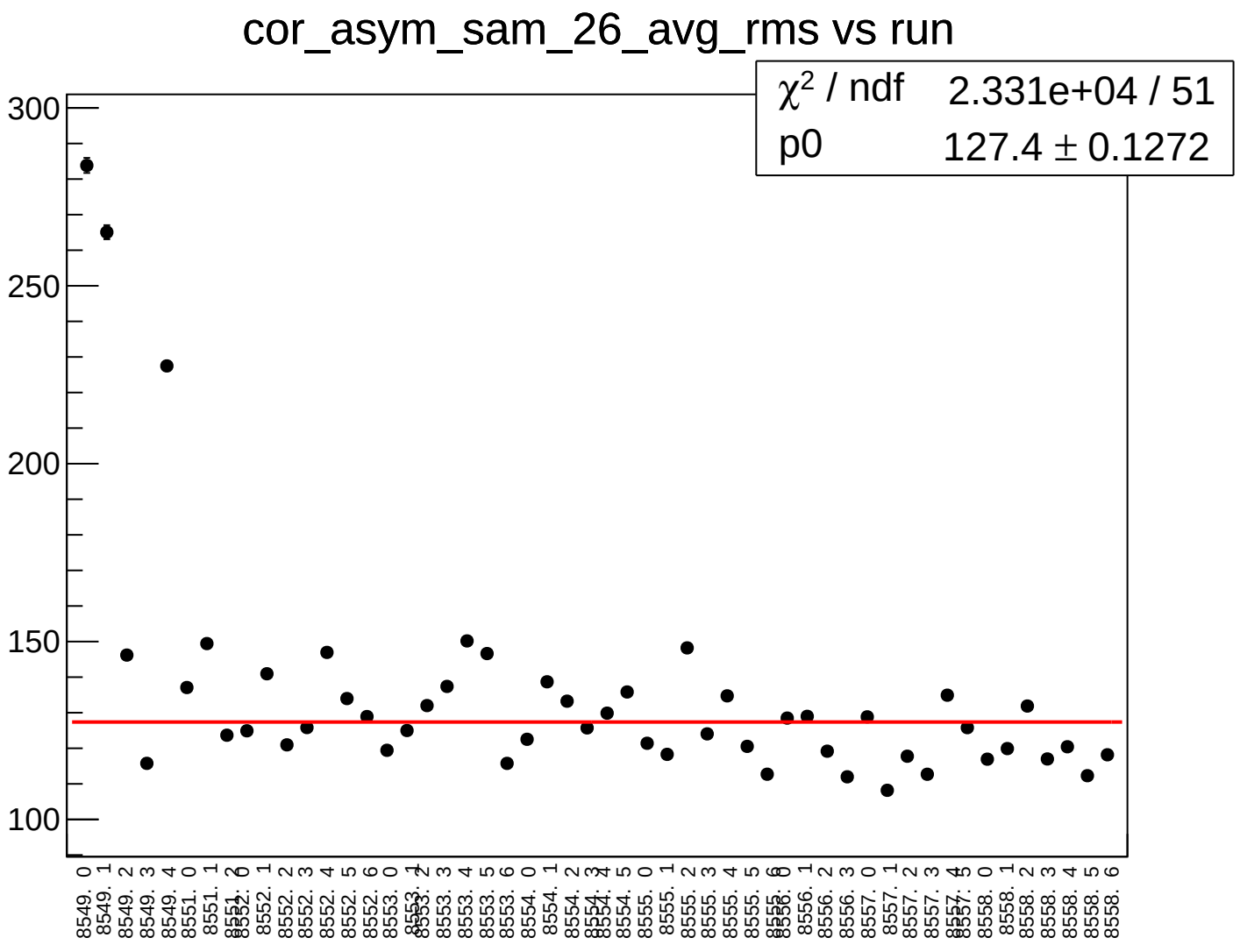
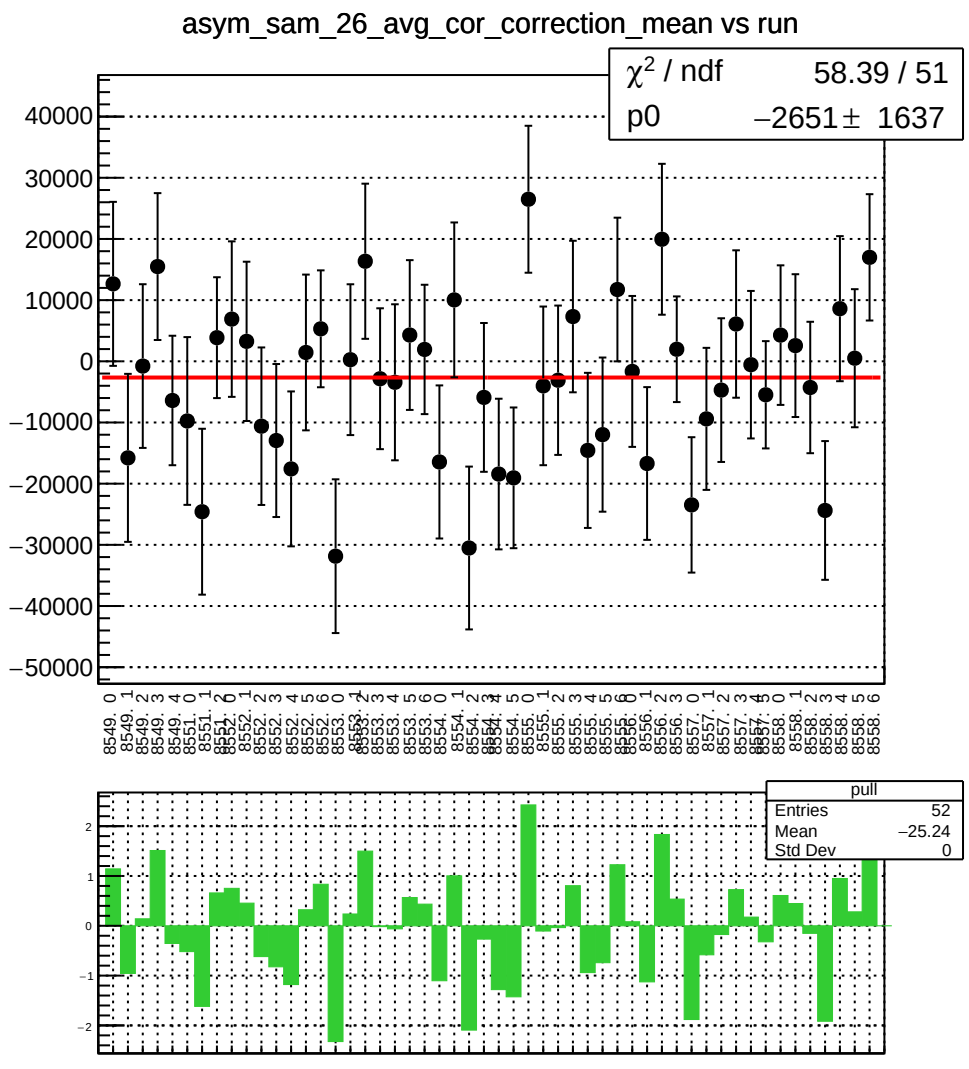
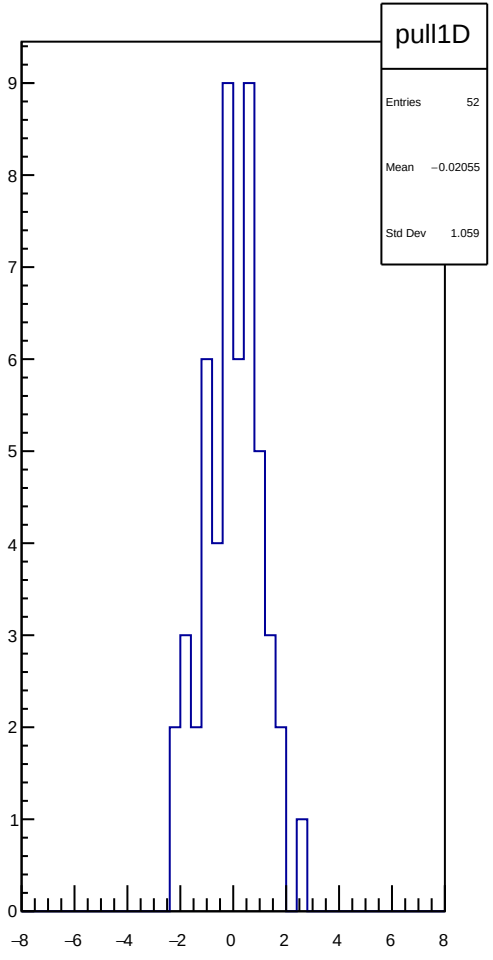
8558. 5
8558. 6

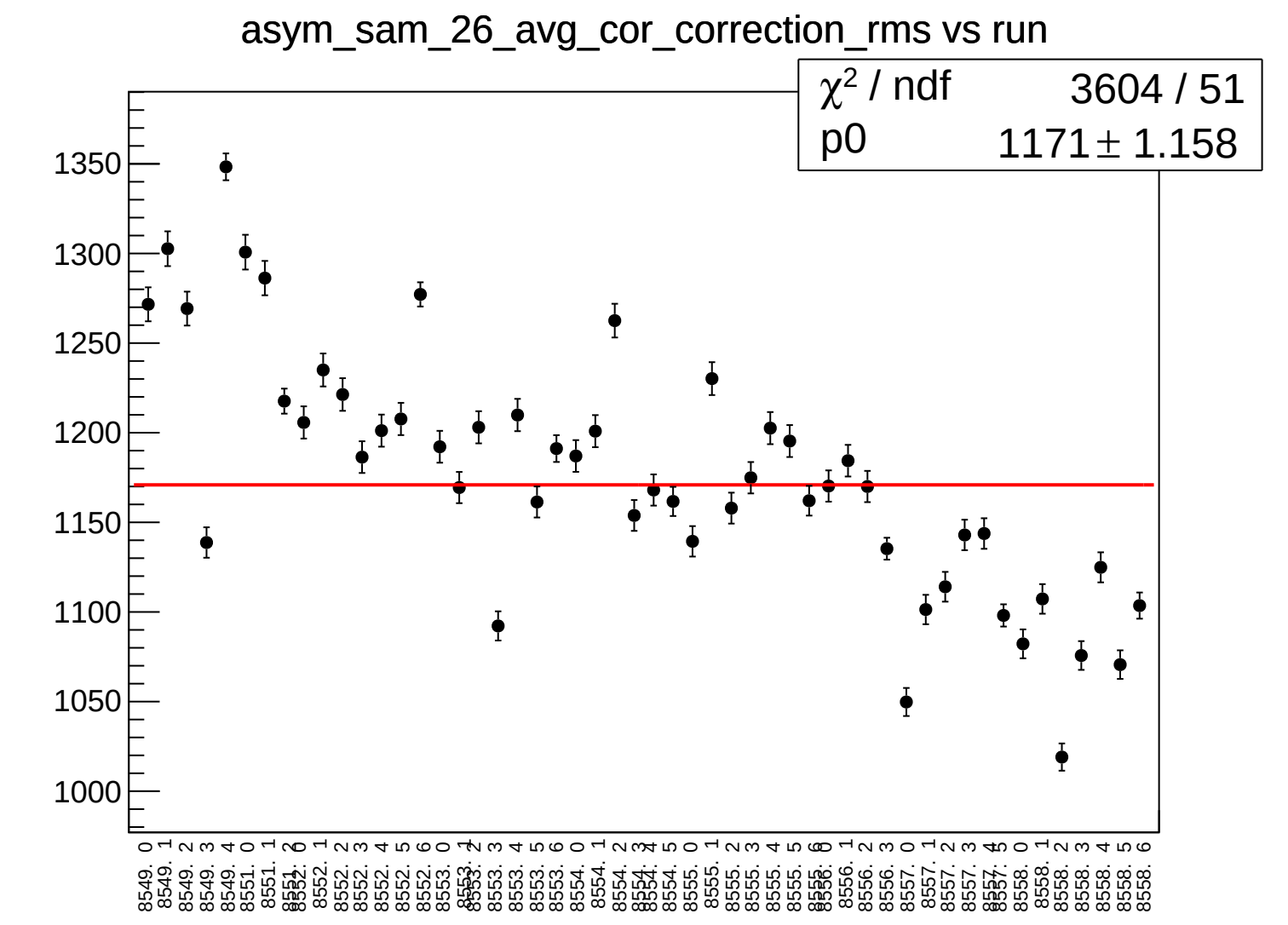

cor_asym_sam_26_avg_mean vs run
χ² / ndf 47.03 / 51
p0 77.75 ± 179.8
pull
Entries 52
Mean −80.97
Std Dev 0

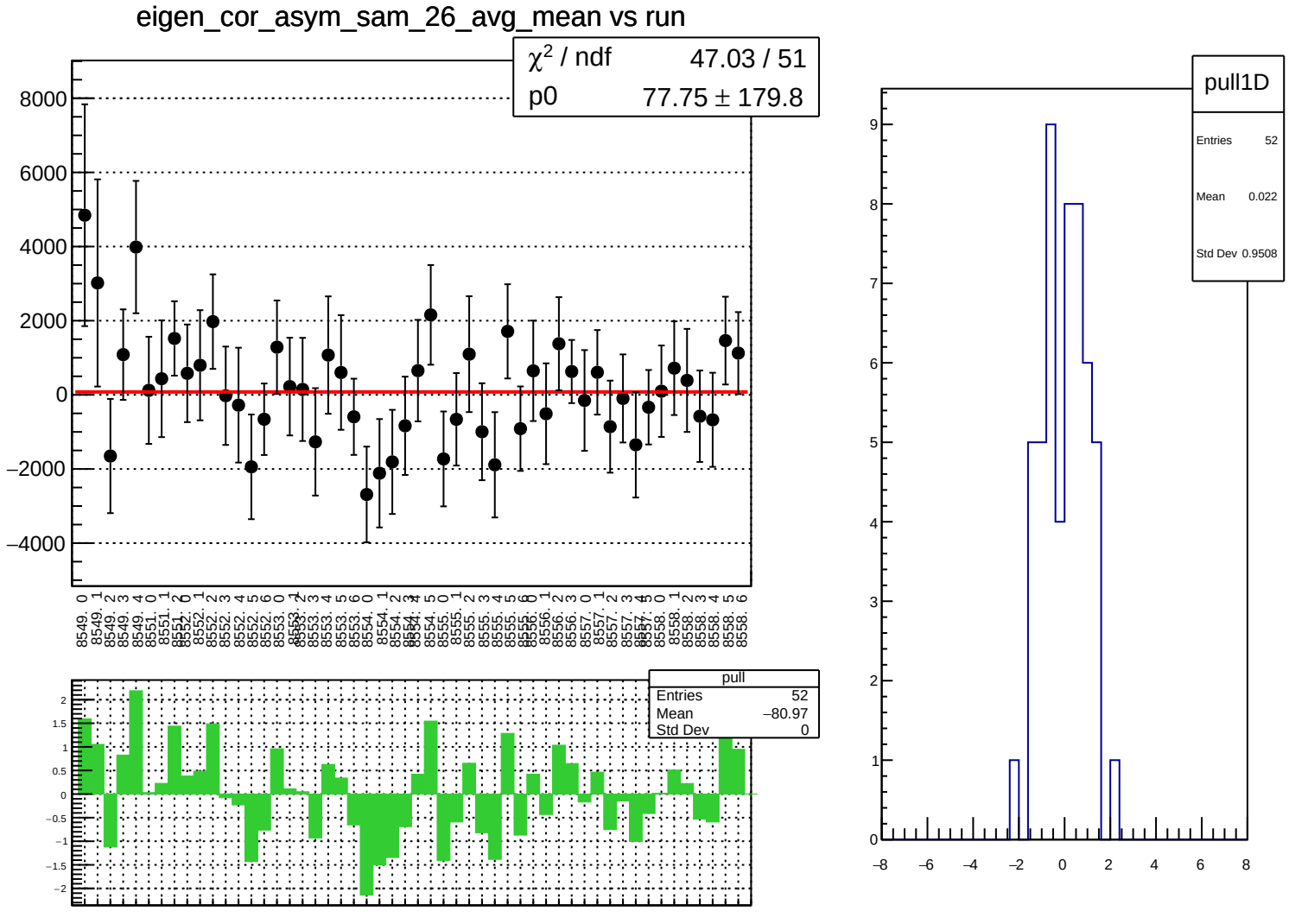

pull1D
Entries 52
Mean 0.022
Std Dev 0.9508

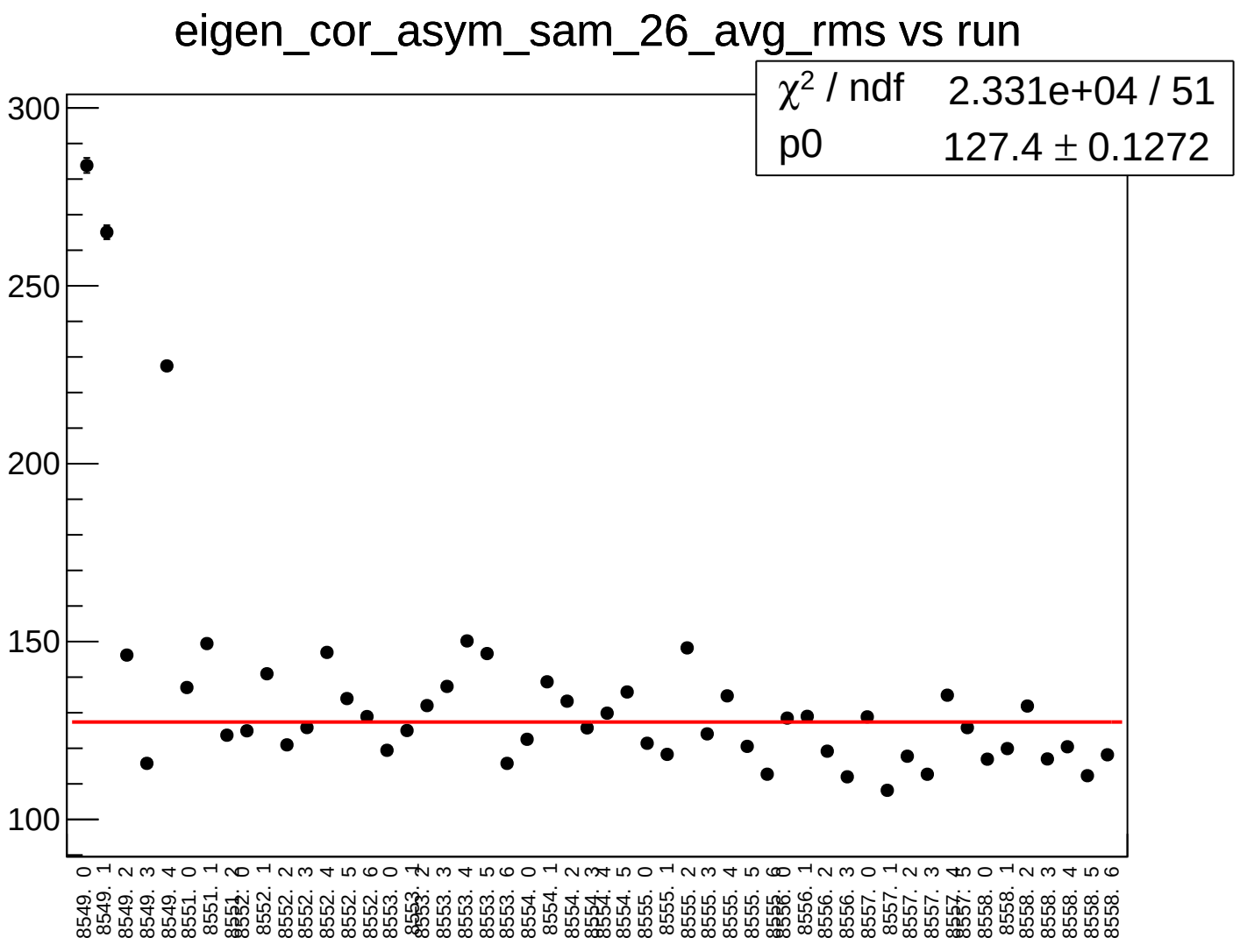

cor_asym_sam_26_avg_rms vs run
χ² / ndf 2.331e+04 / 51
p0 127.4 ± 0.1272
300
250
200
150
100
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 5
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

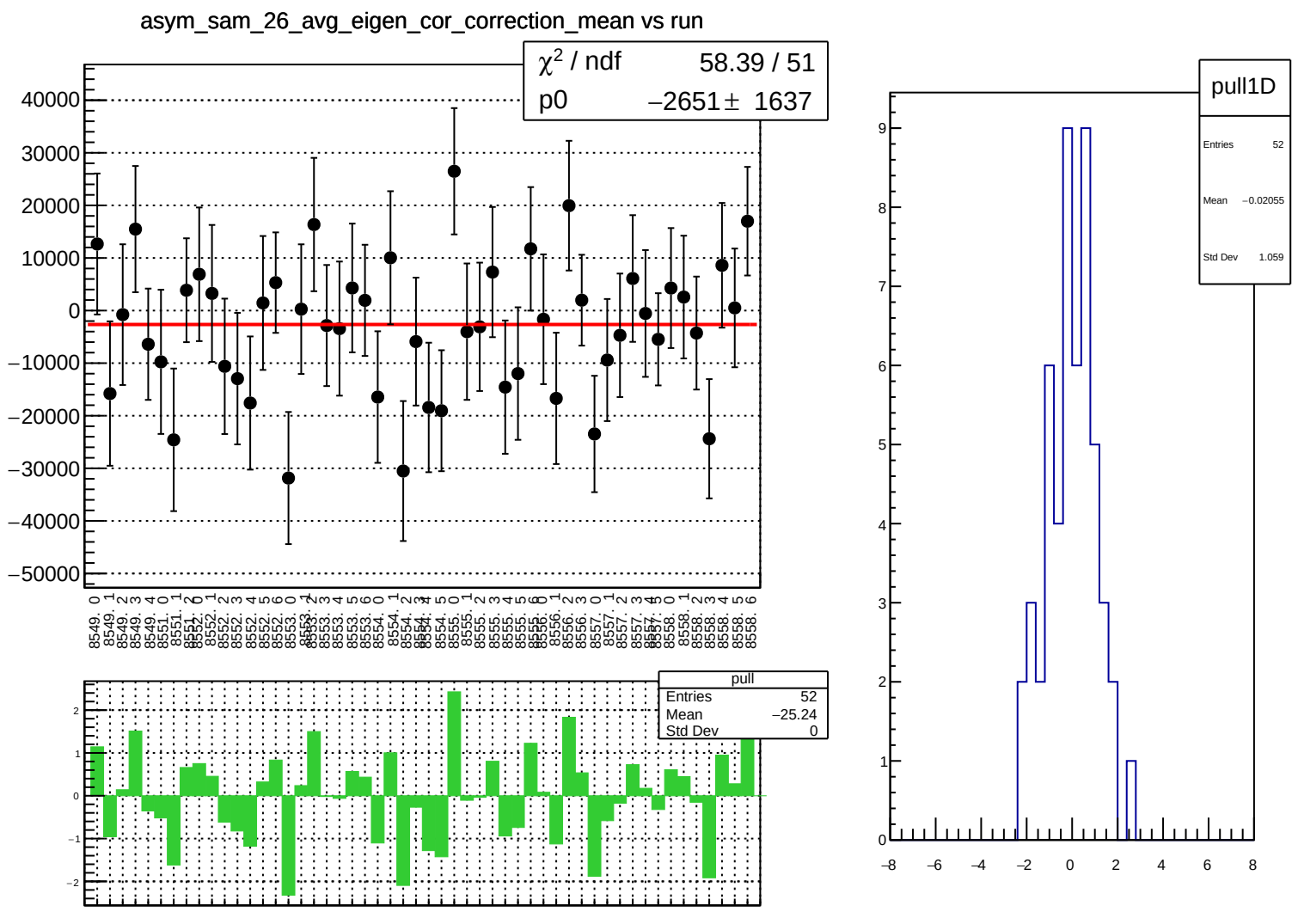

asym_sam_26_avg_cor_correction_mean vs run
χ² / ndf 58.39 / 51
p0 −2651 ± 1637
pull
Entries 52
Mean −25.24
Std Dev 0

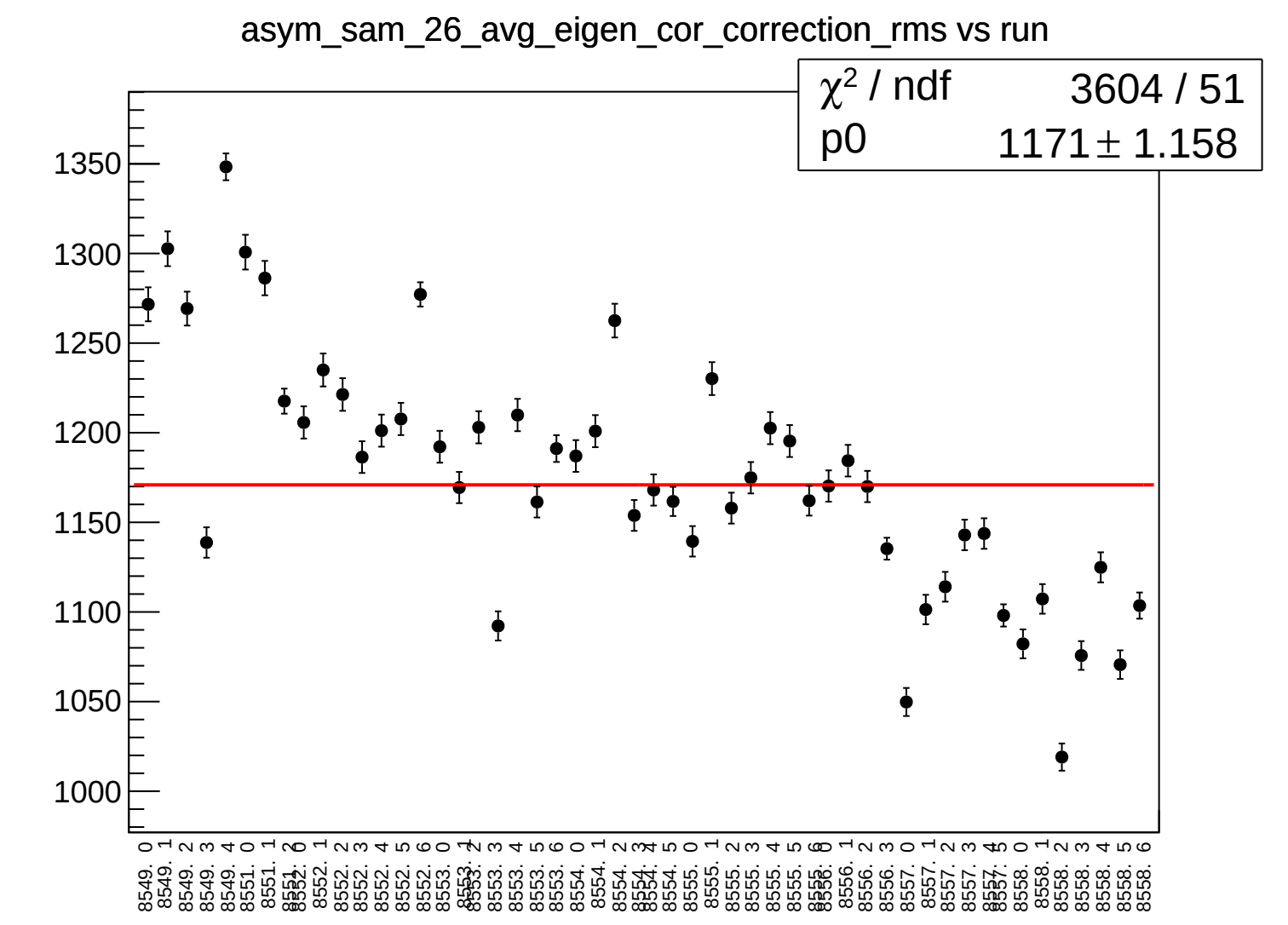

pull1D
Entries 52
Mean −0.02055
Std Dev 1.059

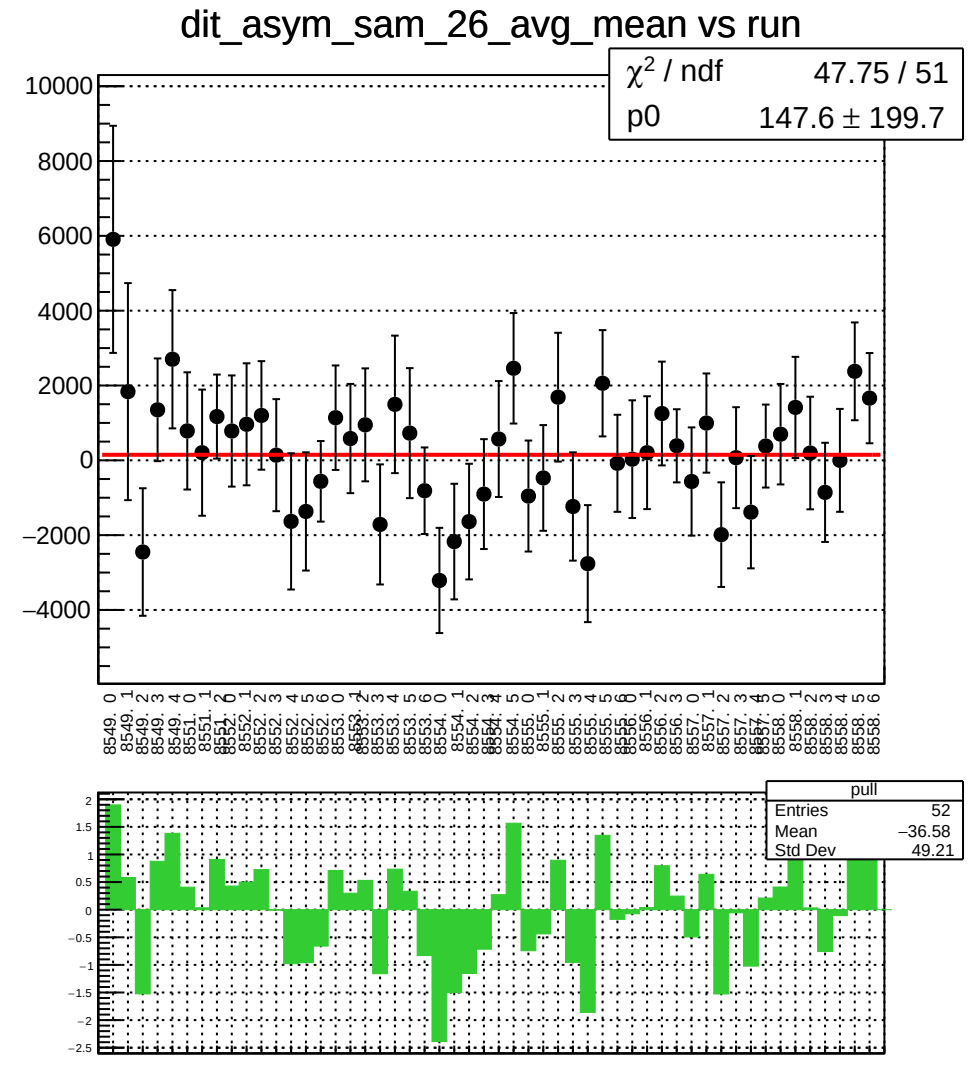

asym_sam_26_avg_cor_correction_rms vs run
χ² / ndf 3604 / 51
p0 1171 ± 1.158
1350
1300
1250
1200
1150
1100
1050
1000
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

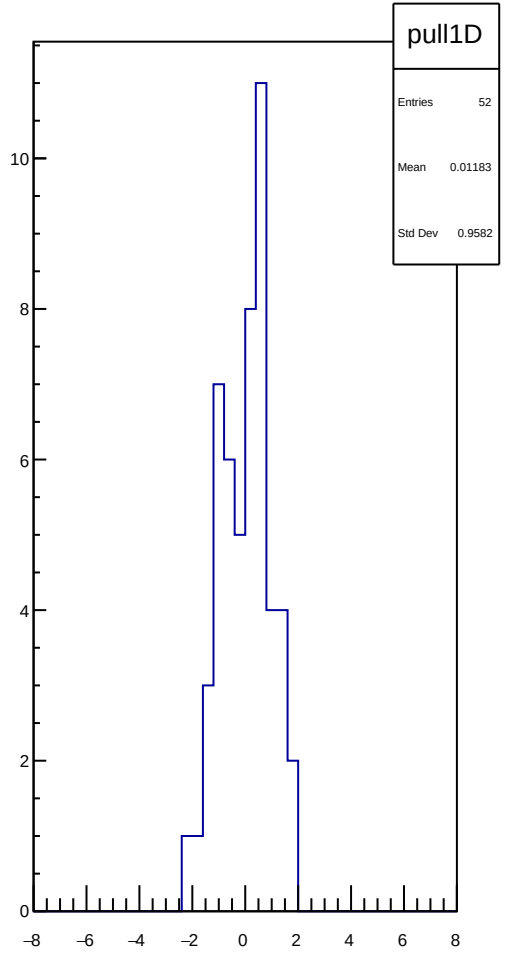

eigen_cor_asym_sam_26_avg_mean vs run
χ² / ndf 47.03 / 51
p0 77.75 ± 179.8
pull
Entries 52
Mean −80.97
Std Dev 0
pull1D
Entries 52
Mean 0.022
Std Dev 0.9508

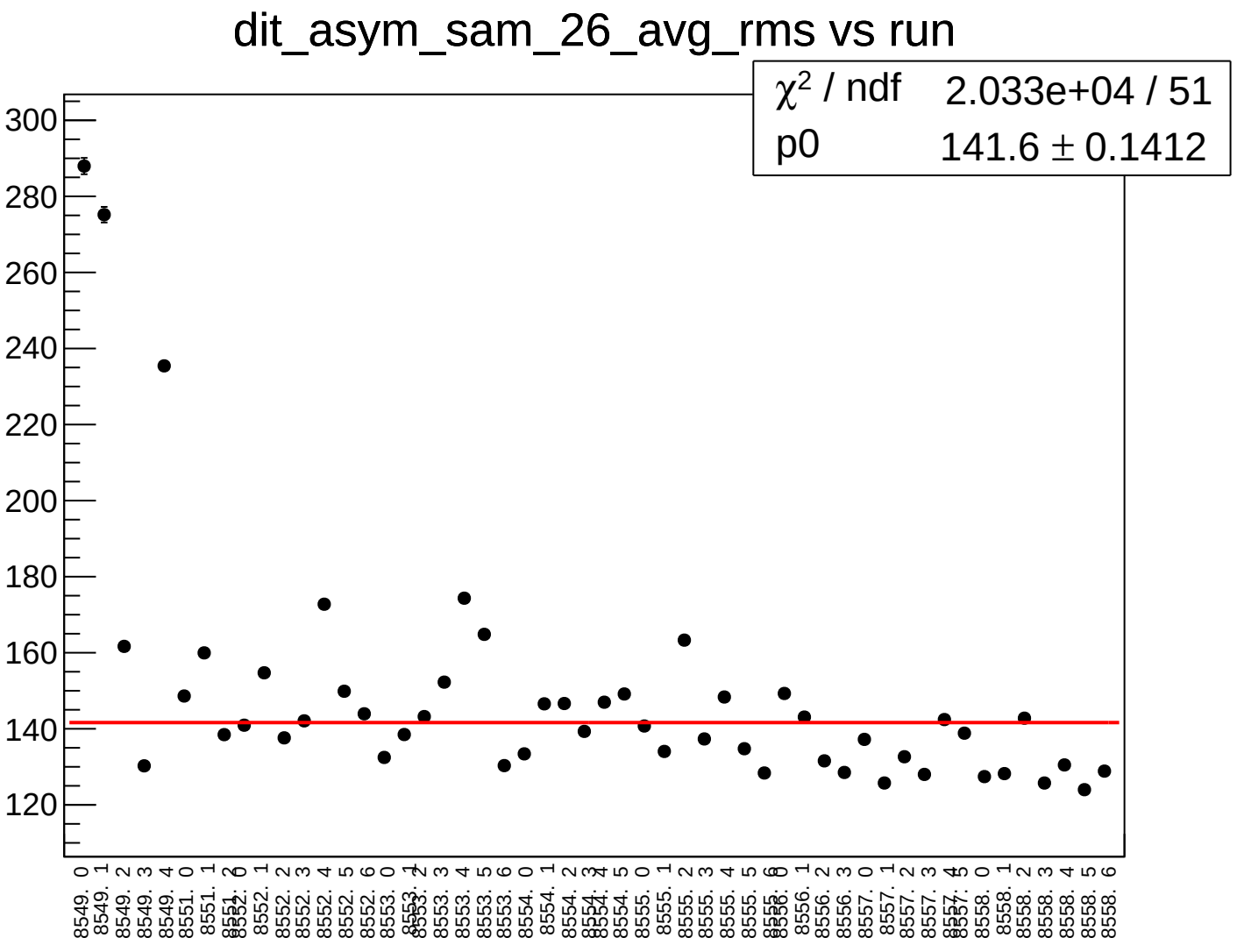

eigen_cor_asym_sam_26_avg_rms vs run
χ² / ndf 2.331e+04 / 51
p0 127.4 ± 0.1272
300
250
200
150
100
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 5
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

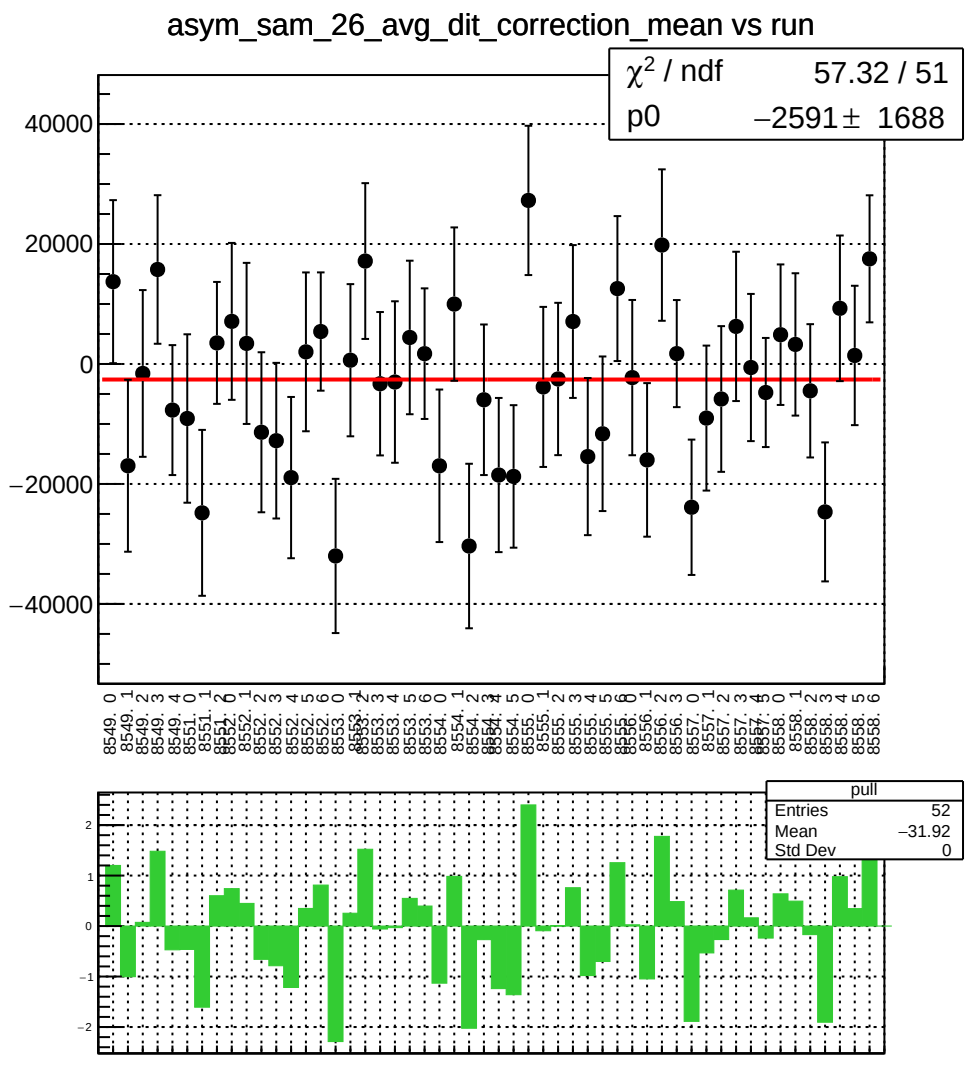

asym_sam_26_avg_eigen_cor_correction_mean vs run
χ² / ndf 58.39 / 51
p0 −2651 ± 1637
pull
Entries 52
Mean −25.24
Std Dev 0
pull1D
Entries 52
Mean −0.02055
Std Dev 1.059

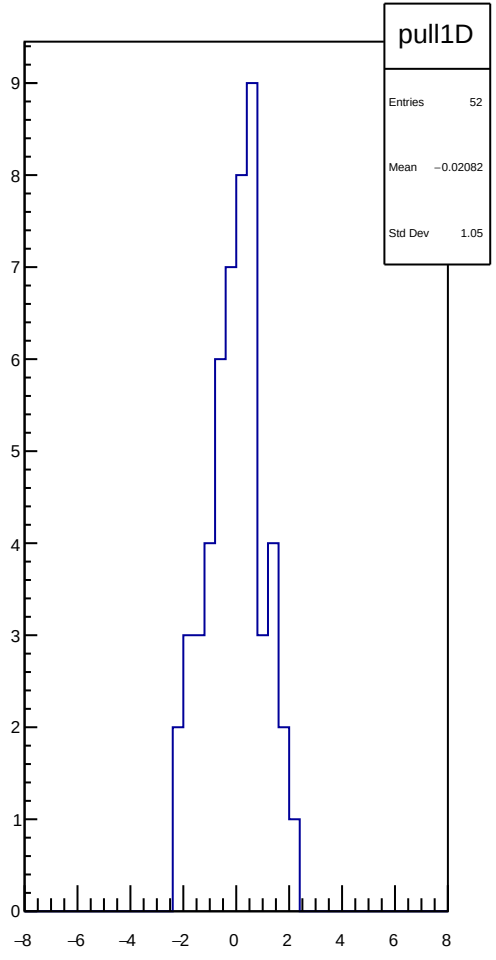

asym_sam_26_avg_eigen_cor_correction_rms vs run
χ² / ndf 3604 / 51
p0 1171 ± 1.158
1350
1300
1250
1200
1150
1100
1050
1000
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

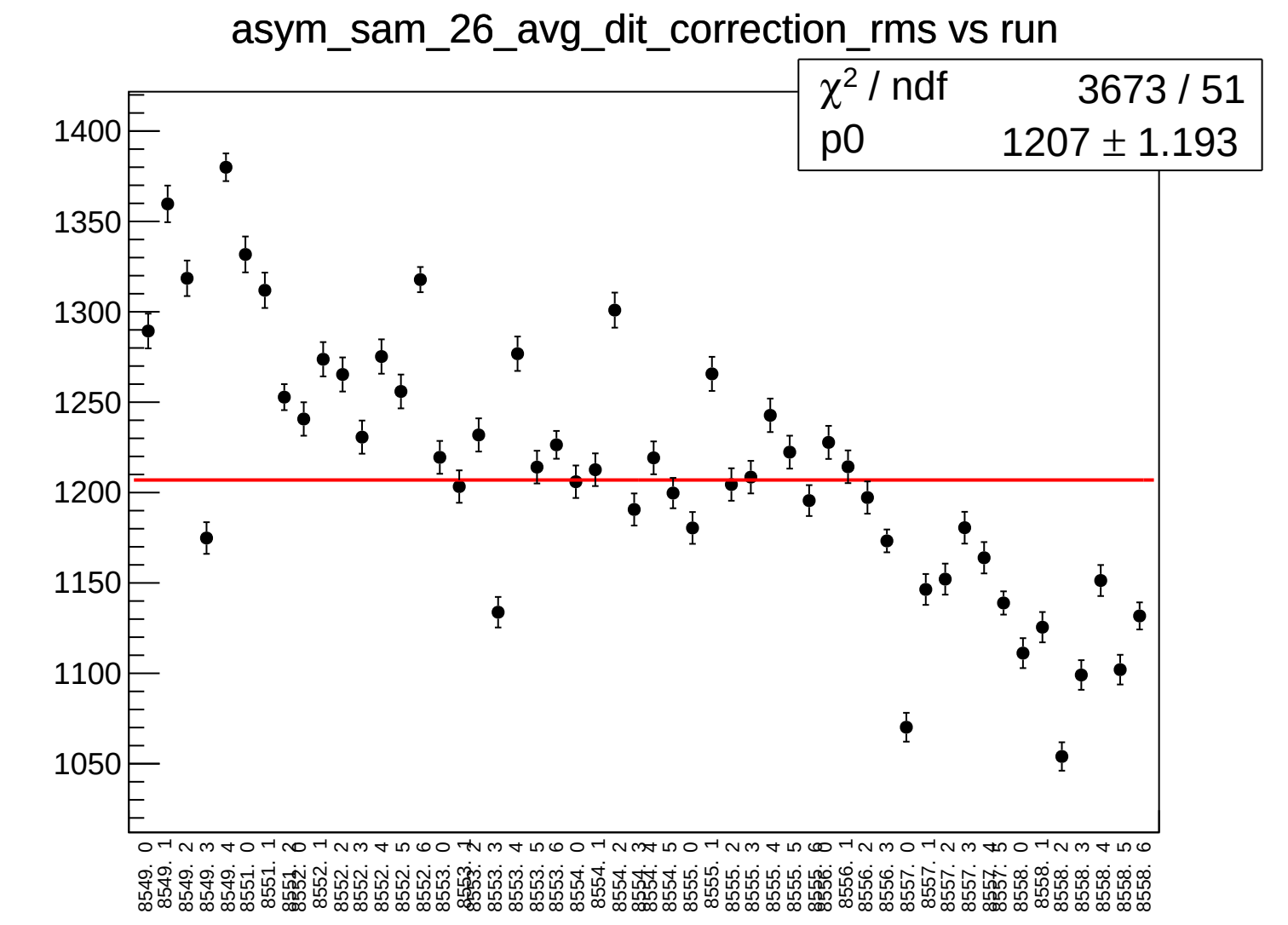

dit_asym_sam_26_avg_mean vs run
χ² / ndf 47.75 / 51
p0 147.6 ± 199.7
pull
Entries 52
Mean −36.58
Std Dev 49.21

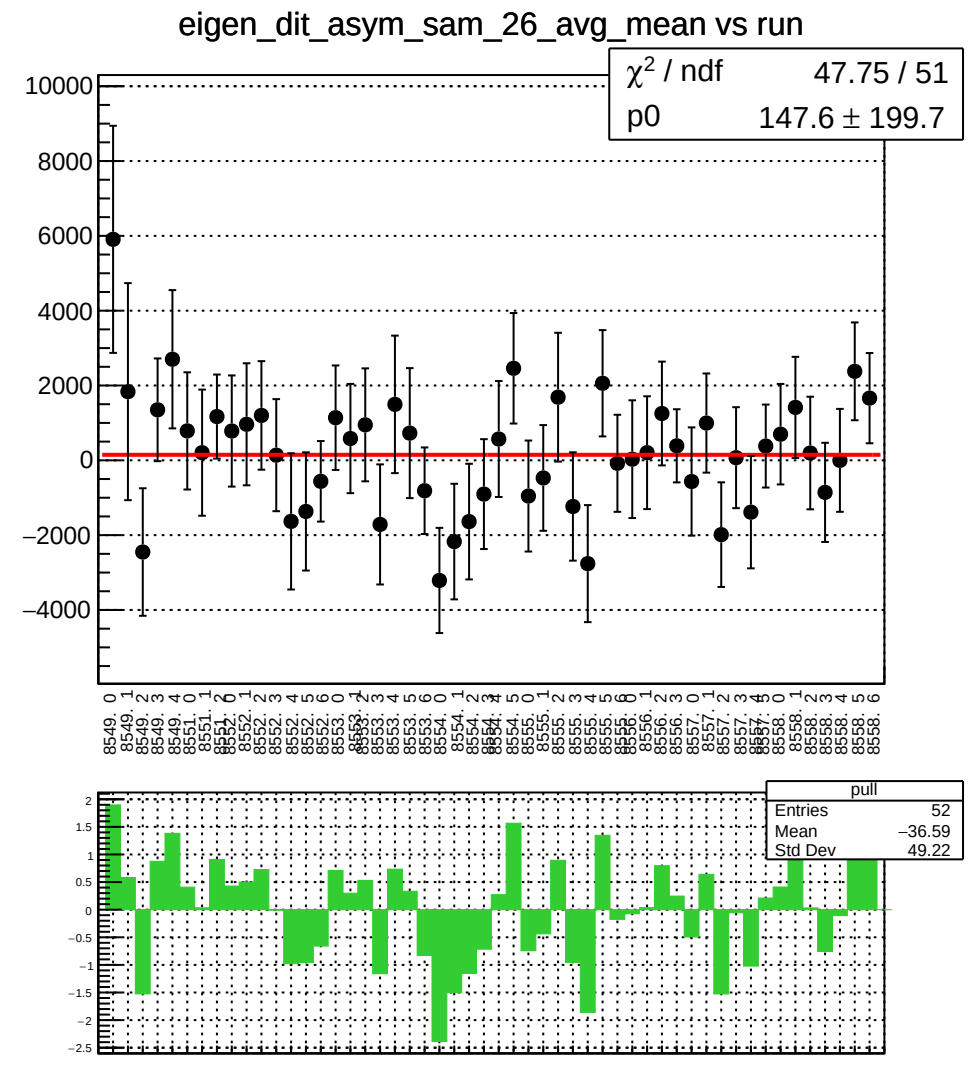

pull1D
Entries 52
Mean 0.01183
Std Dev 0.9582

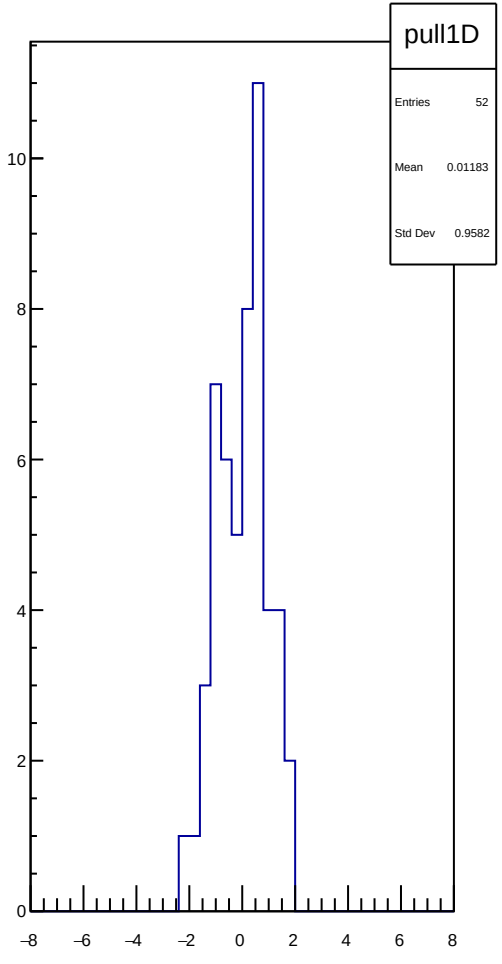

dit_asym_sam_26_avg_rms vs run
χ² / ndf 2.033e+04 / 51
p0 141.6 ± 0.1412
300
280
260
240
220
200
180
160
140
120
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 5
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

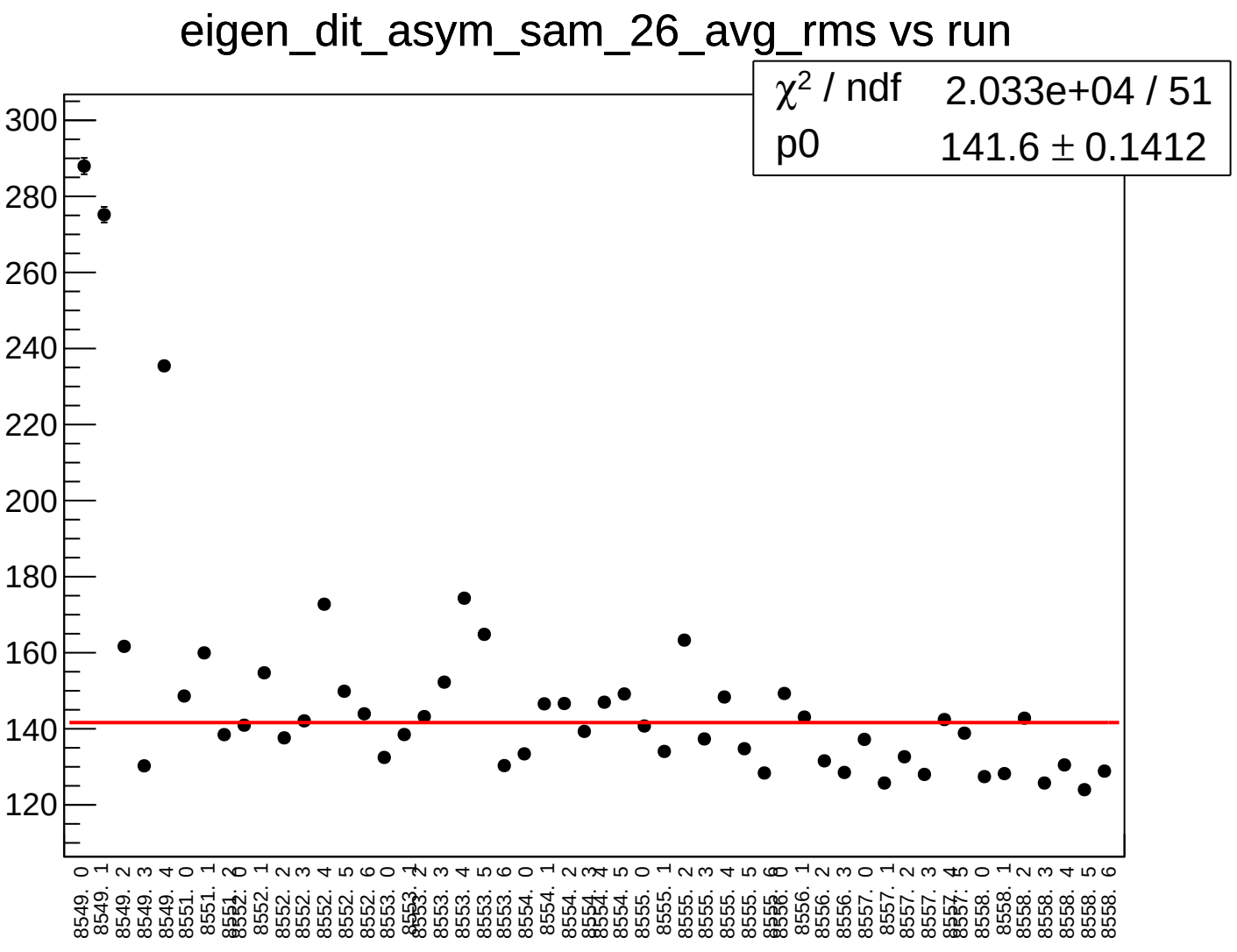

asym_sam_26_avg_dit_correction_mean vs run
χ² / ndf 57.32 / 51
p0 −2591 ± 1688
40000
20000
0
−20000
−40000
pull
Entries 52
Mean −31.92
Std Dev 0
2
1
0
−1
−2

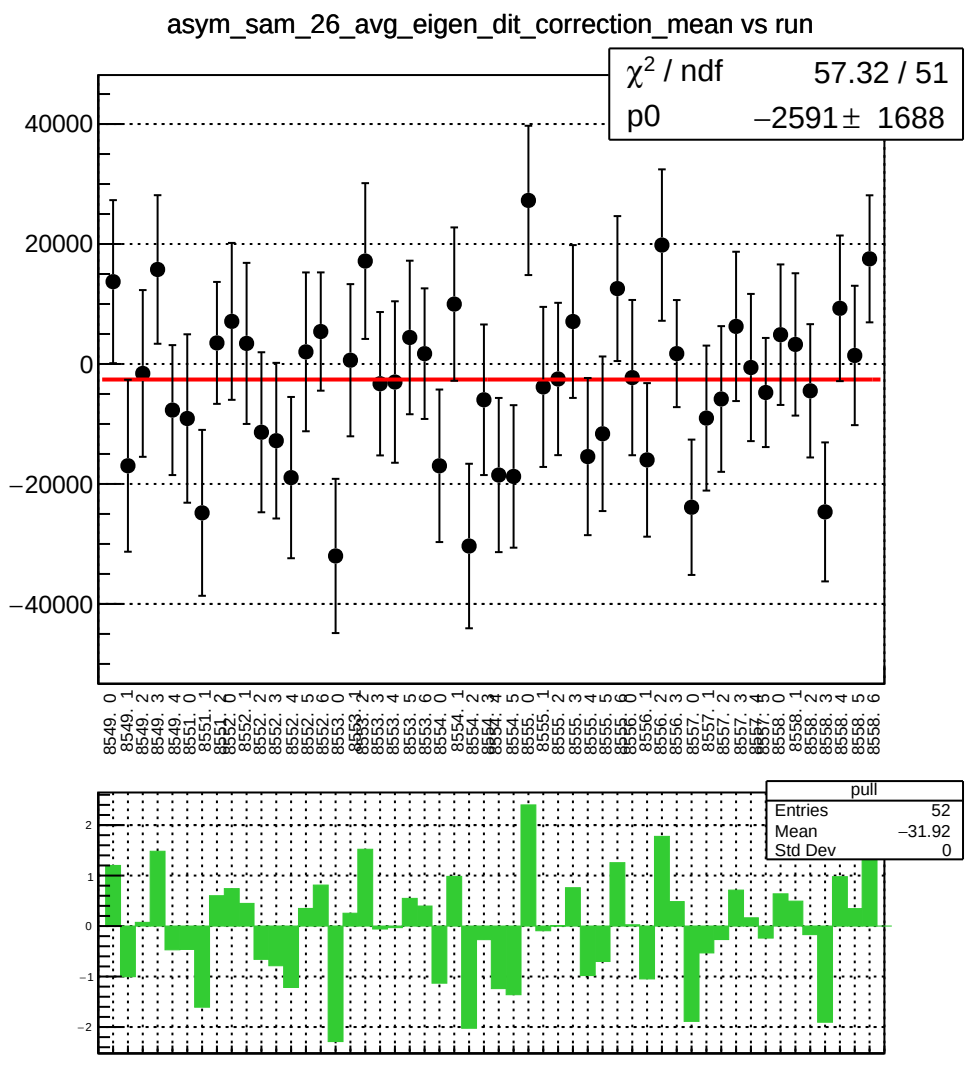

pull1D
Entries 52
Mean −0.02082
Std Dev 1.05
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

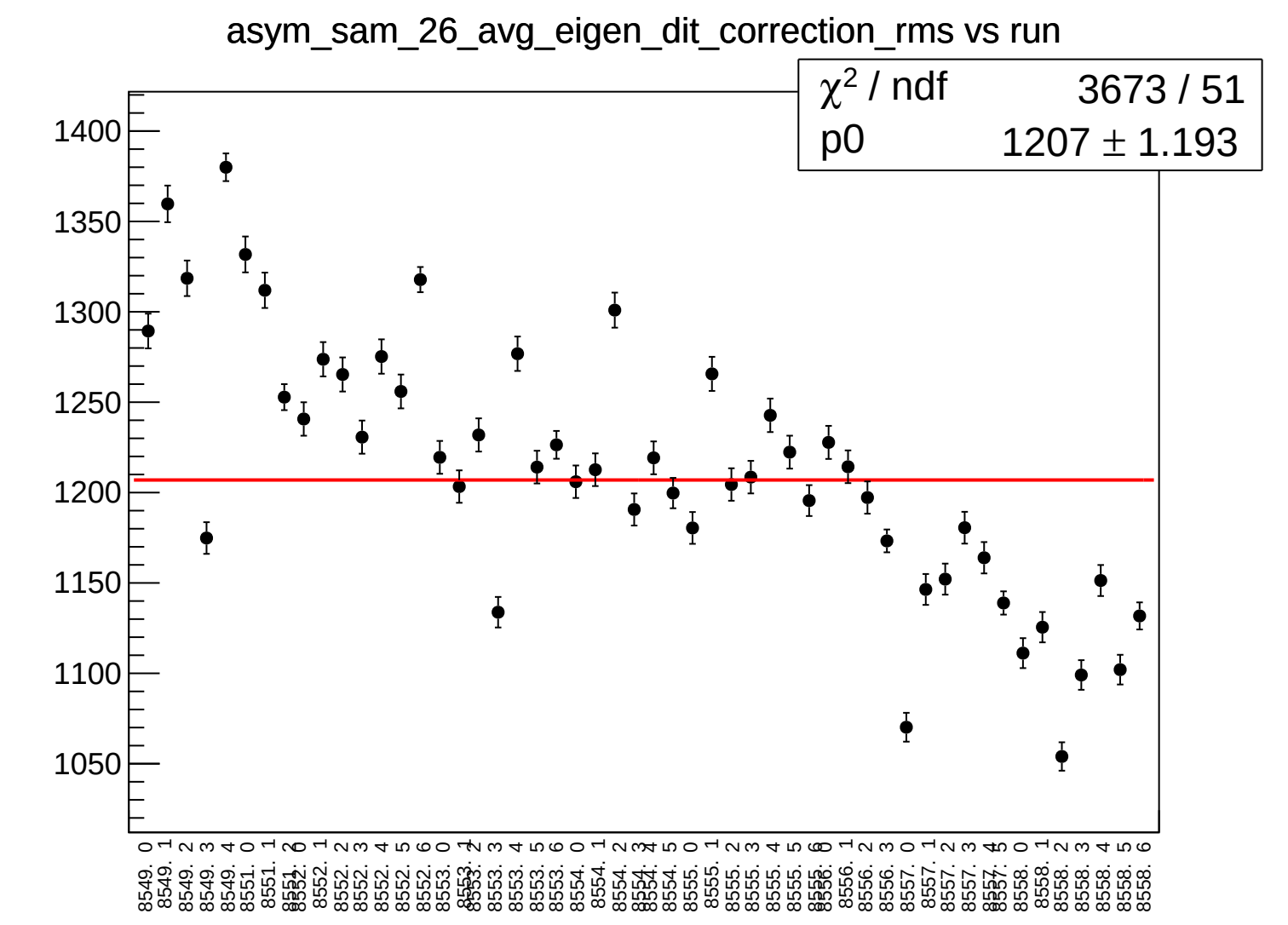

asym_sam_26_avg_dit_correction_rms vs run
χ² / ndf 3673 / 51
p0 1207 ± 1.193
1400
1350
1300
1250
1200
1150
1100
1050
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

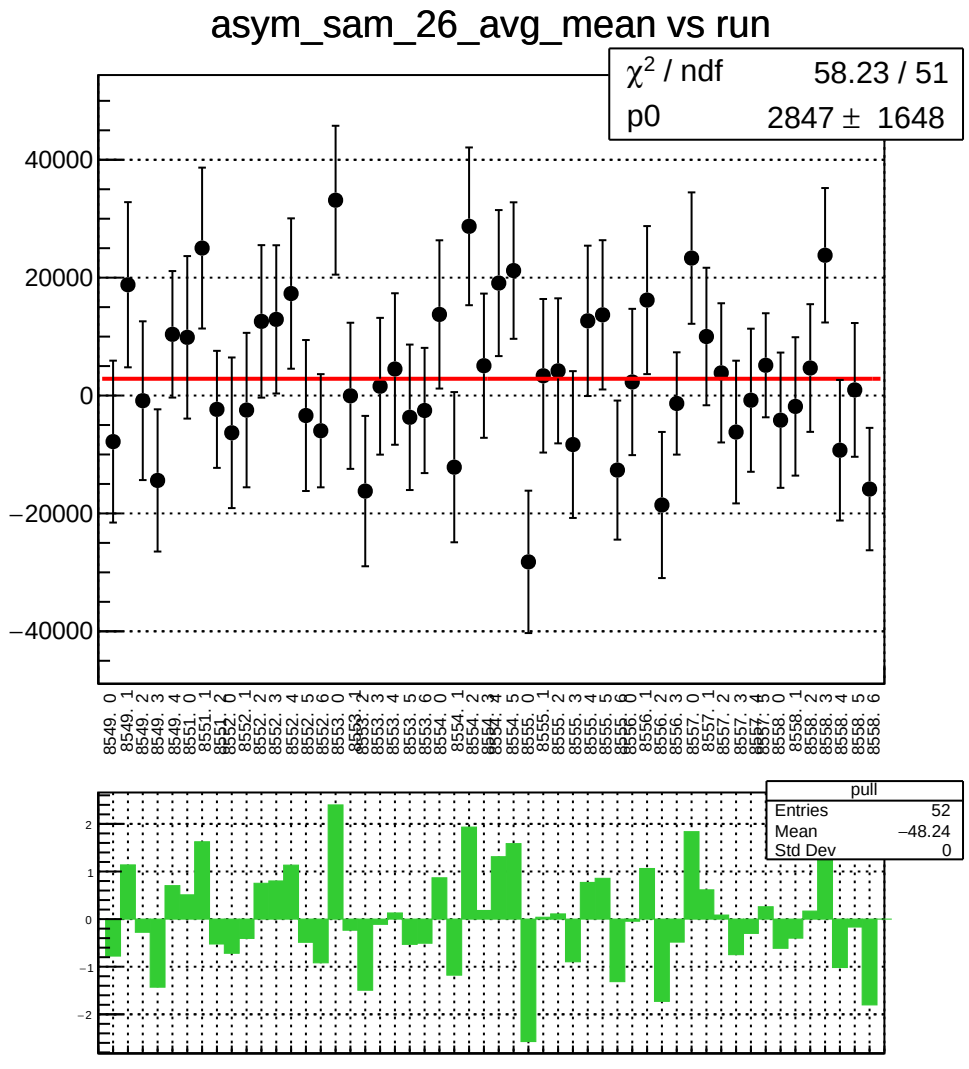

eigen_dit_asym_sam_26_avg_mean vs run
χ² / ndf 47.75 / 51
p0 147.6 ± 199.7
pull
Entries 52
Mean −36.59
Std Dev 49.22

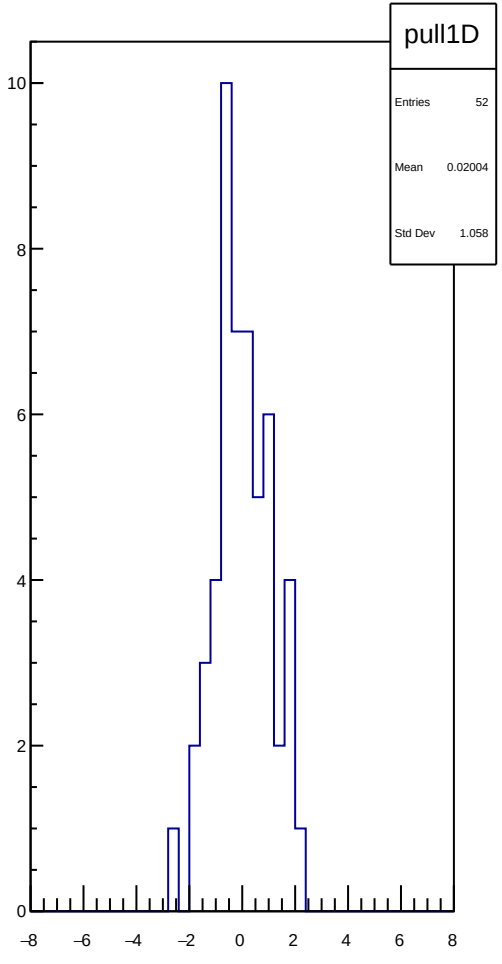

pull1D
Entries 52
Mean 0.01183
Std Dev 0.9582

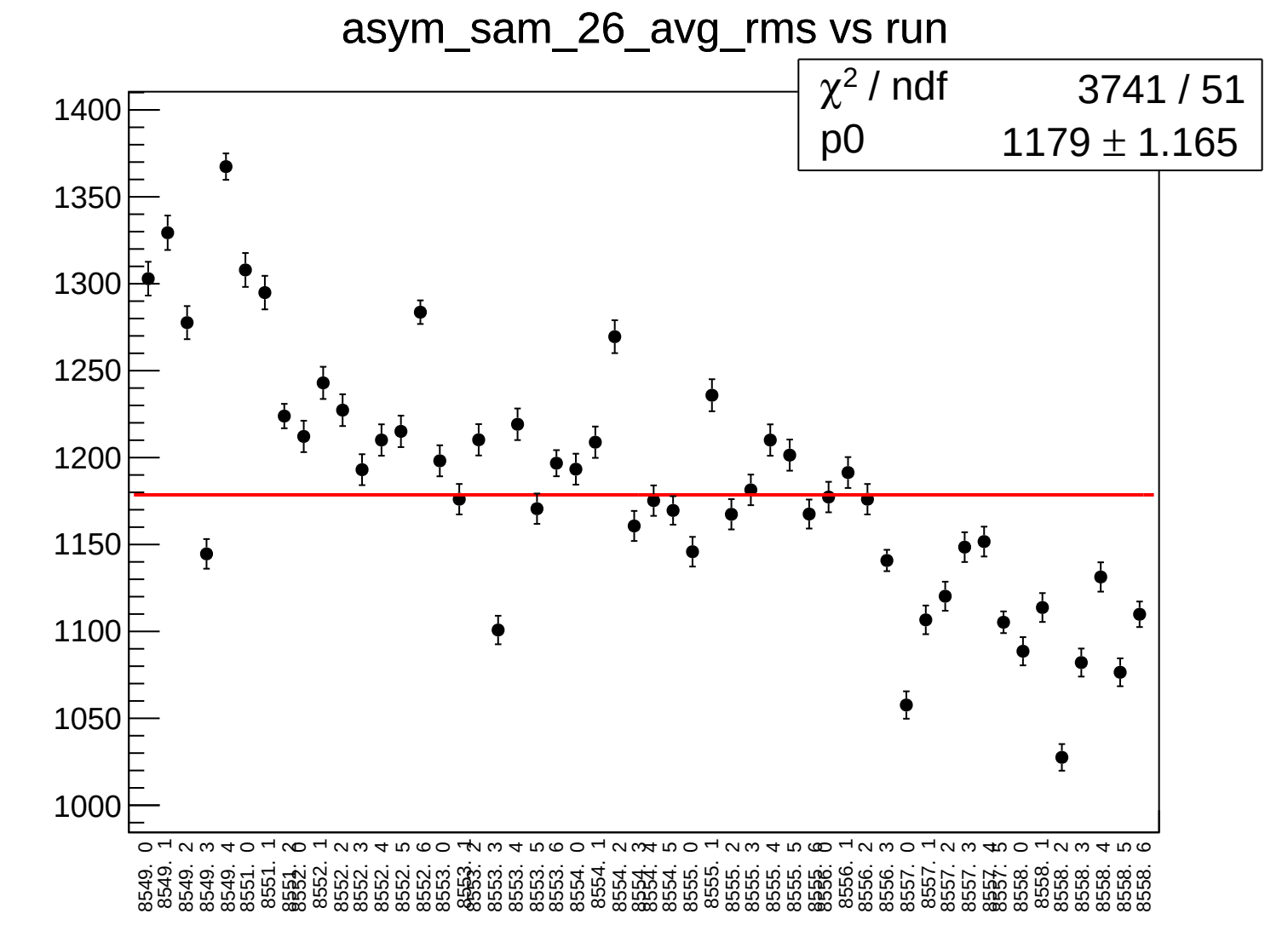

eigen_dit_asym_sam_26_avg_rms vs run
χ² / ndf 2.033e+04 / 51
p0 141.6 ± 0.1412
300
280
260
240
220
200
180
160
140
120
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 5
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

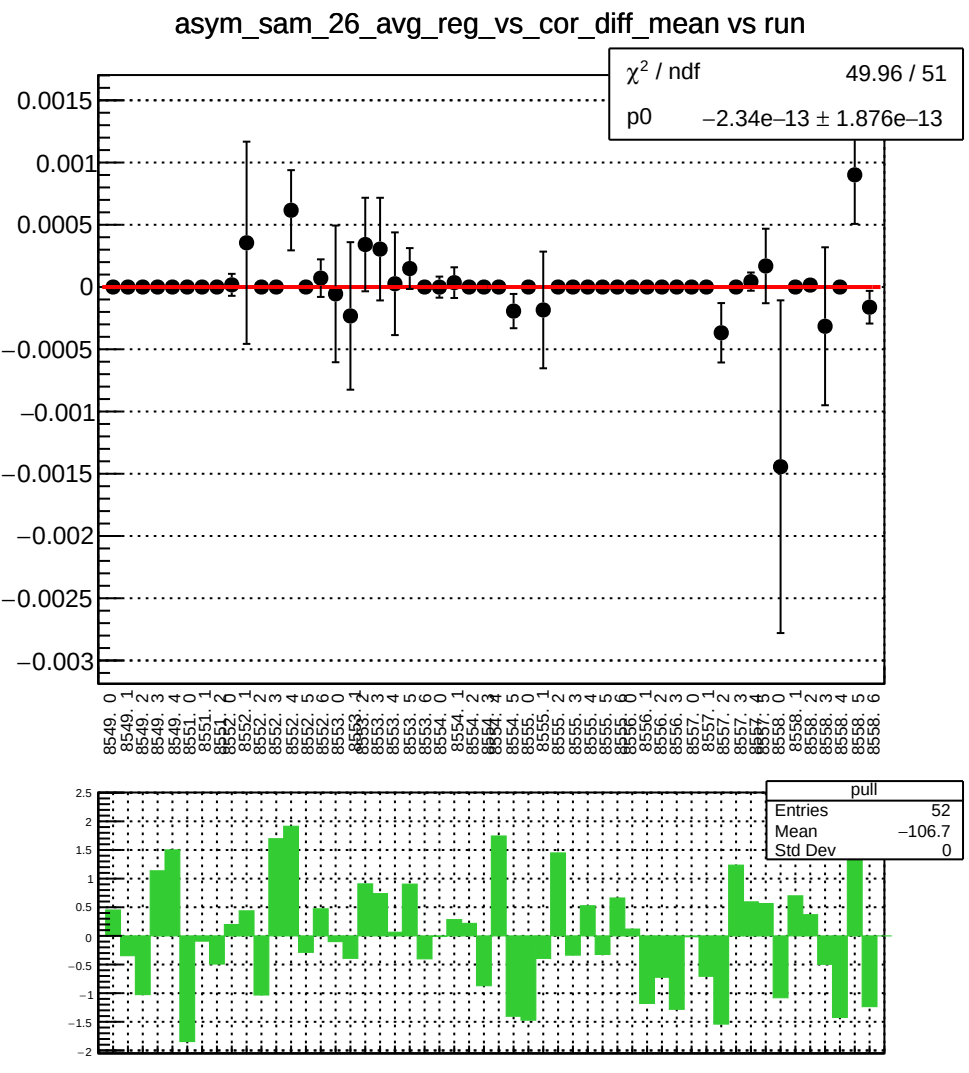

asym_sam_26_avg_eigen_dit_correction_mean vs run
χ² / ndf 57.32 / 51
p0 −2591 ± 1688
40000
20000
0
−20000
−40000
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8551. 2
8551. 6
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 1
8553. 2
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 3
8554. 4
8554. 5
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8555. 6
8556. 0
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8557. 4
8557. 5
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6
pull
Entries 52
Mean −31.92
Std Dev 0
2
1
0
−1
−2
pull1D
Entries 52
Mean −0.02082
Std Dev 1.05
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

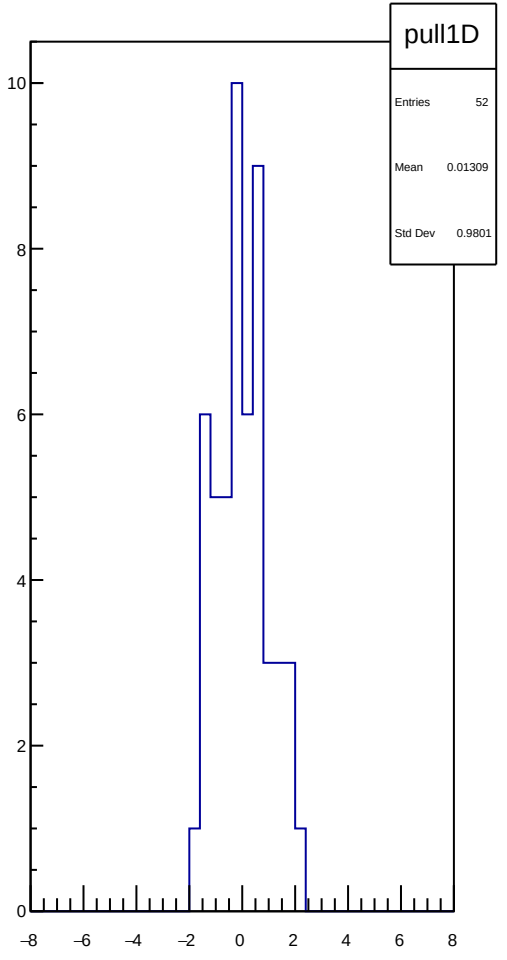

asym_sam_26_avg_eigen_dit_correction_rms vs run
χ² / ndf 3673 / 51
p0 1207 ± 1.193
1400
1350
1300
1250
1200
1150
1100
1050
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

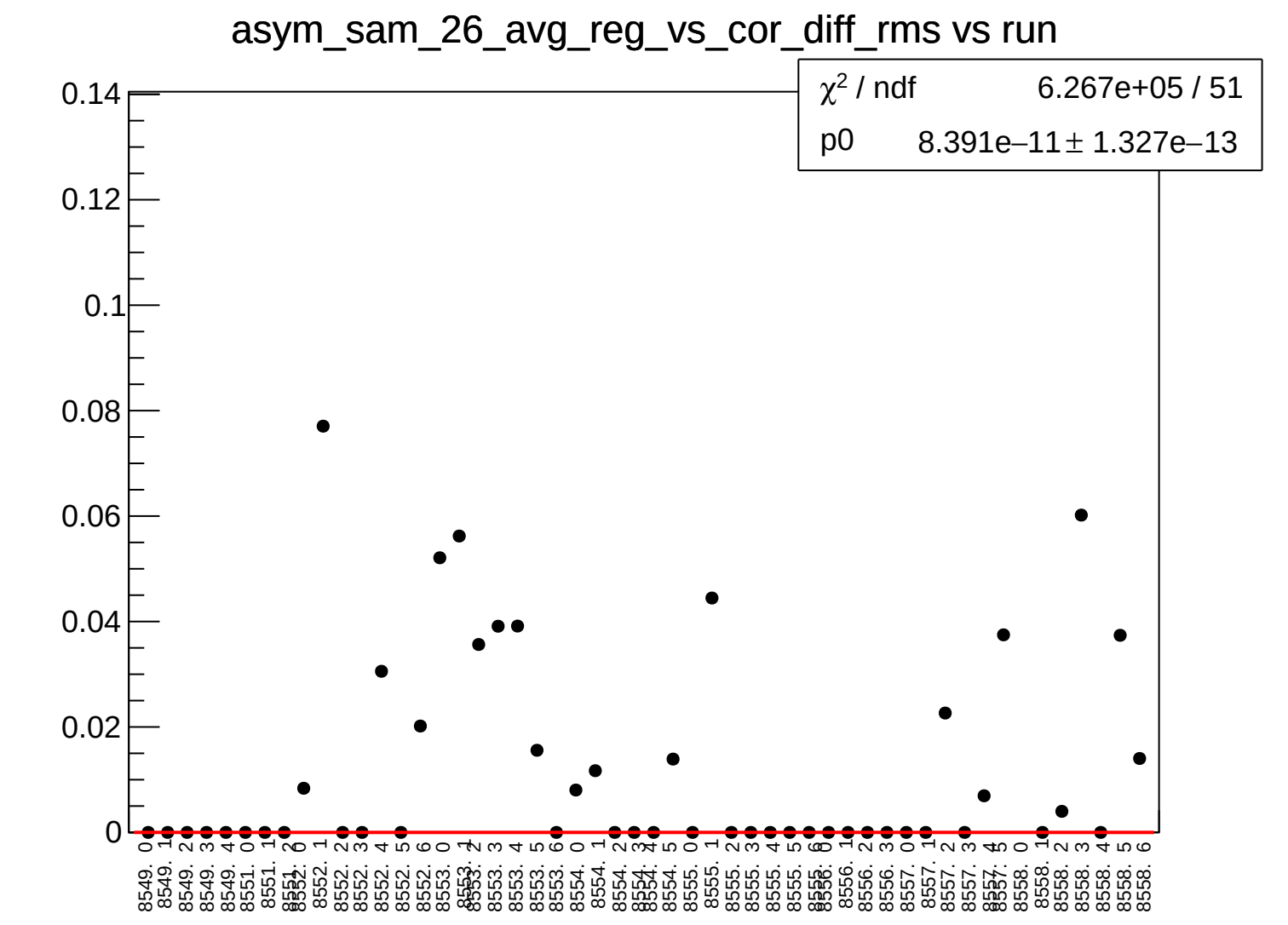

asym_sam_26_avg_mean vs run
χ² / ndf 58.23 / 51
p0 2847 ± 1648
40000
20000
0
−20000
−40000
pull
Entries 52
Mean −48.24
Std Dev 0
2
1
0
−1
−2


pull1D
Entries 52
Mean 0.02004
Std Dev 1.058
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


asym_sam_26_avg_rms vs run
χ² / ndf 3741 / 51
p0 1179 ± 1.165
1400
1350
1300
1250
1200
1150
1100
1050
1000
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 5
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6


asym_sam_26_avg_reg_vs_cor_diff_mean vs run
χ² / ndf 49.96 / 51
p0 −2.34e−13 ± 1.876e−13
pull
Entries 52
Mean −106.7
Std Dev 0


pull1D
Entries 52
Mean 0.01309
Std Dev 0.9801


asym_sam_26_avg_reg_vs_cor_diff_rms vs run
χ² / ndf 6.267e+05 / 51
p0 8.391e−11 ± 1.327e−13
0.14
0.12
0.1
0.08
0.06
0.04
0.02
0
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8549. 5
8549. 6
8551. 0
8551. 1
8551. 2
8552. 0
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 1
8553. 2
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 3
8554. 4
8554. 5
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8555. 6
8556. 0
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
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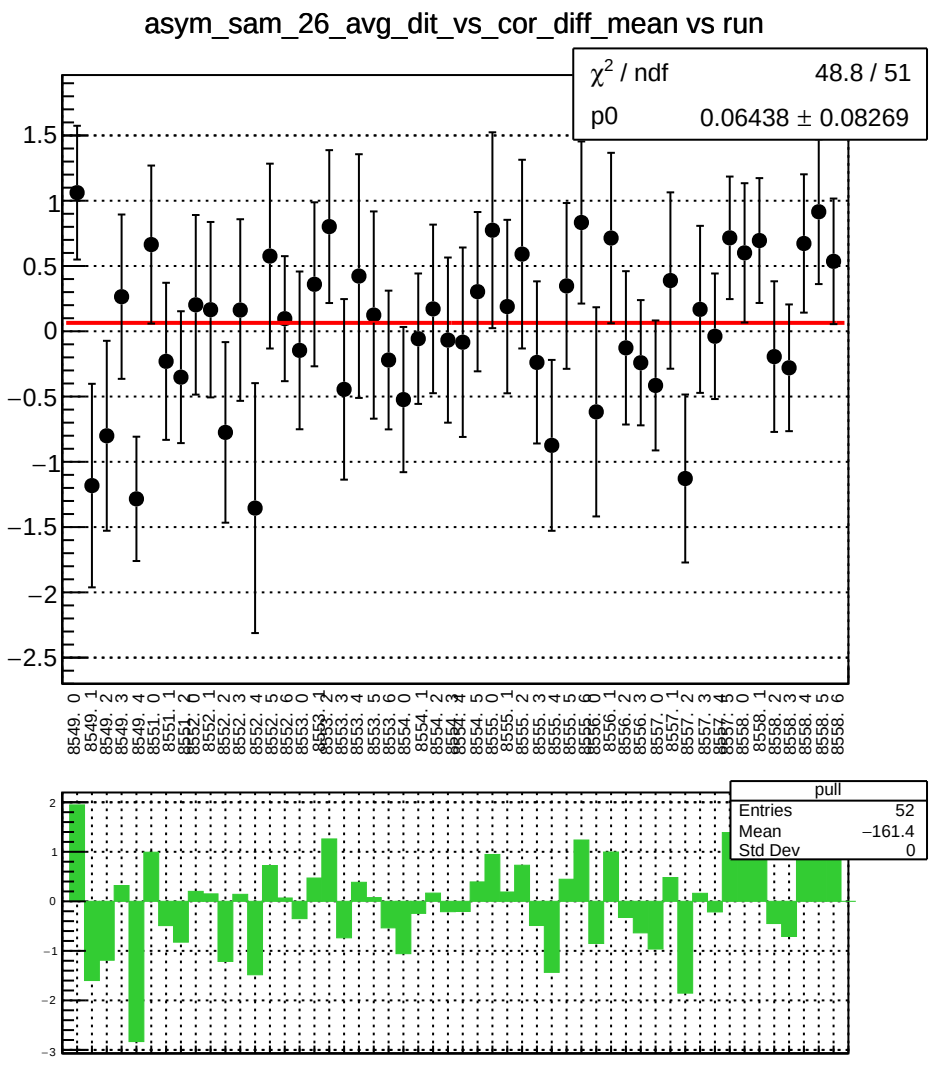
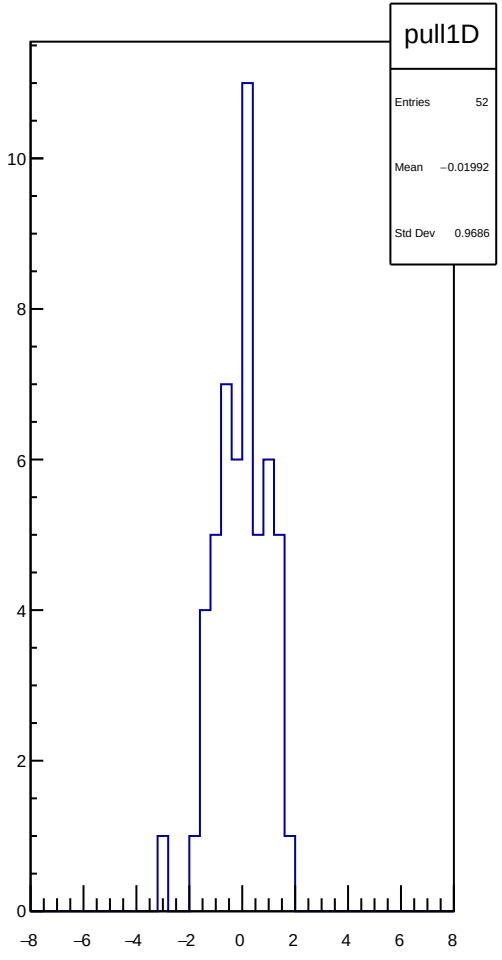
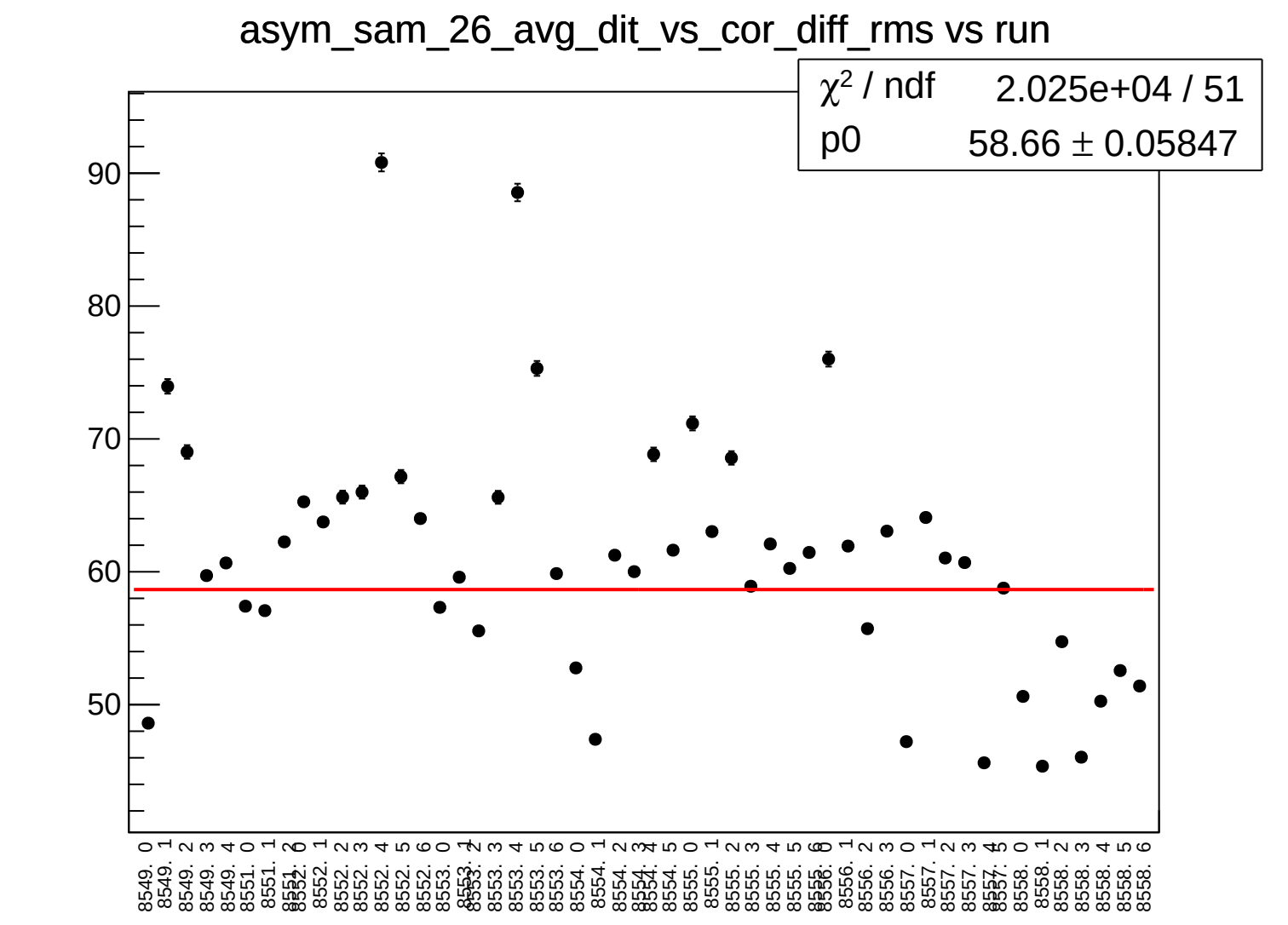
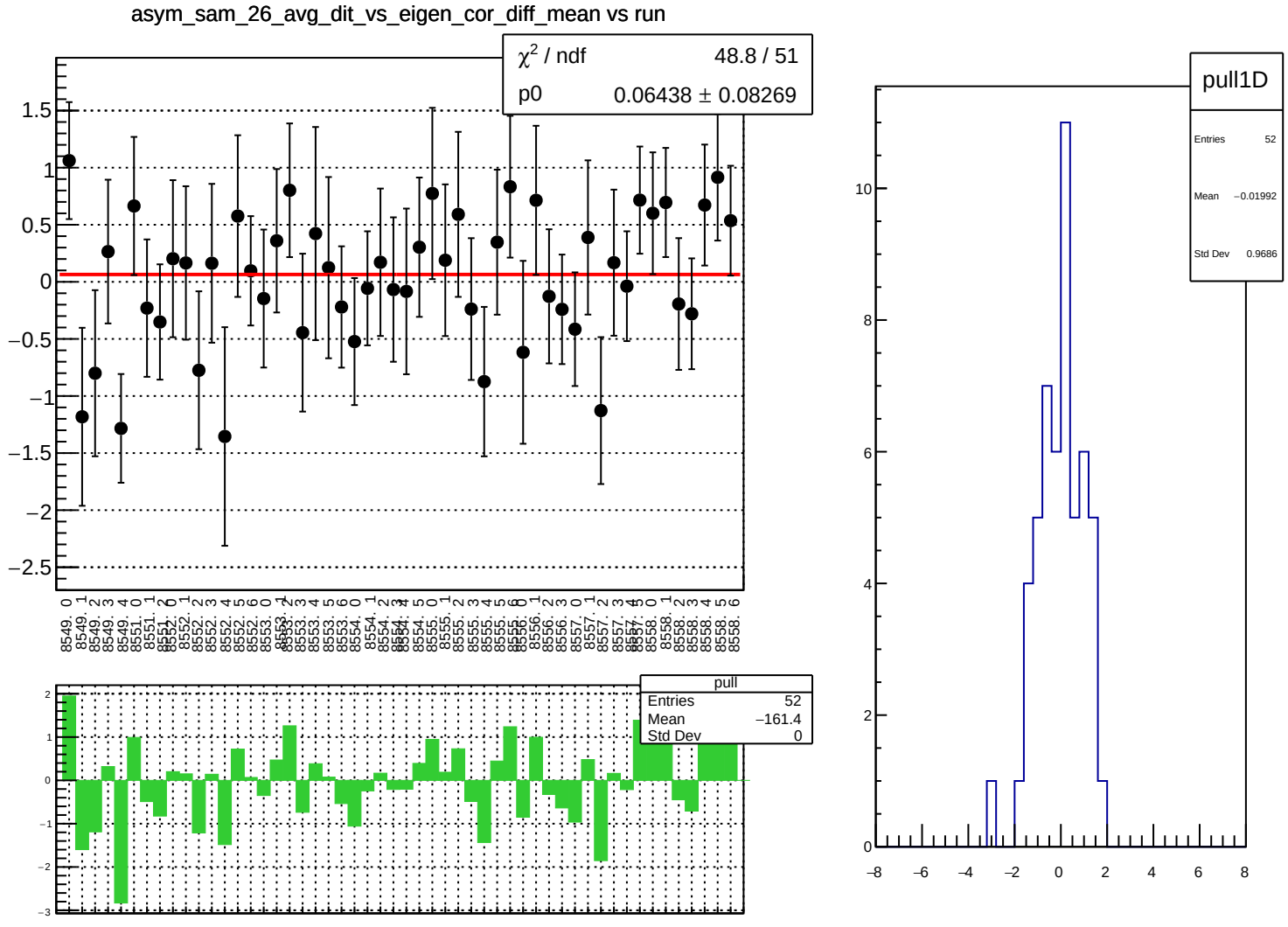
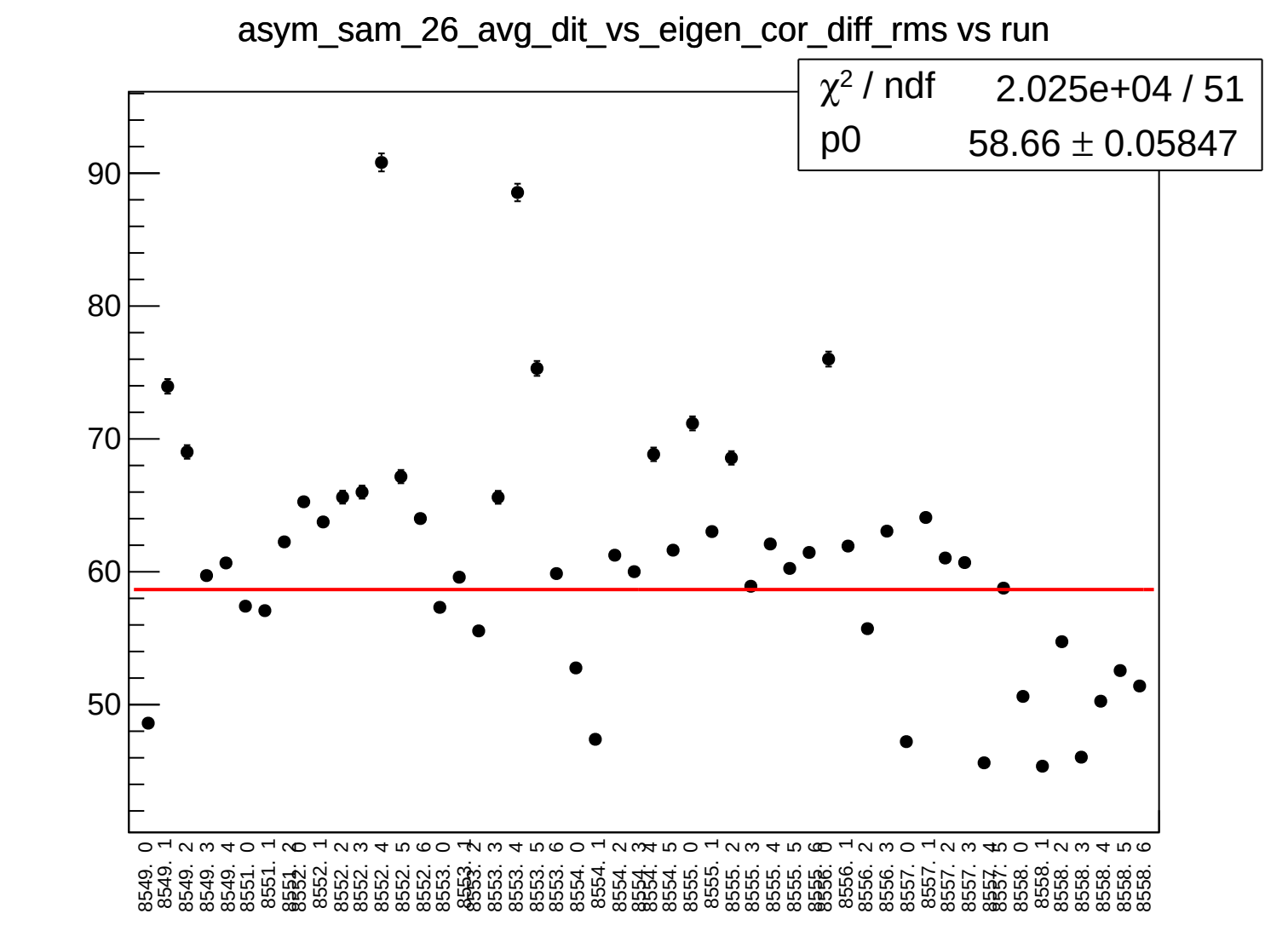
8558. 5
8558. 6


asym_sam_26_avg_dit_vs_cor_diff_mean vs run
χ² / ndf 48.8 / 51
p0 0.06438 ± 0.08269
pull
Entries 52
Mean −161.4
Std Dev 0


pull1D
Entries 52
Mean −0.01992
Std Dev 0.9686


asym_sam_26_avg_dit_vs_cor_diff_rms vs run
χ² / ndf 2.025e+04 / 51
p0 58.66 ± 0.05847
90
80
70
60
50
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 0
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 1
8553. 2
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 3
8554. 4
8554. 5
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6


asym_sam_26_avg_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 48.8 / 51
p0 0.06438 ± 0.08269
pull
Entries 52
Mean −161.4
Std Dev 0
pull1D
Entries 52
Mean −0.01992
Std Dev 0.9686


asym_sam_26_avg_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 2.025e+04 / 51
p0 58.66 ± 0.05847
90
80
70
60
50
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 0
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 1
8553. 2
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 3
8554. 4
8554. 5
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8555. 6
8556. 0
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8557. 4
8557. 5
8558. 0
8558. 1
8558. 2
8558. 3
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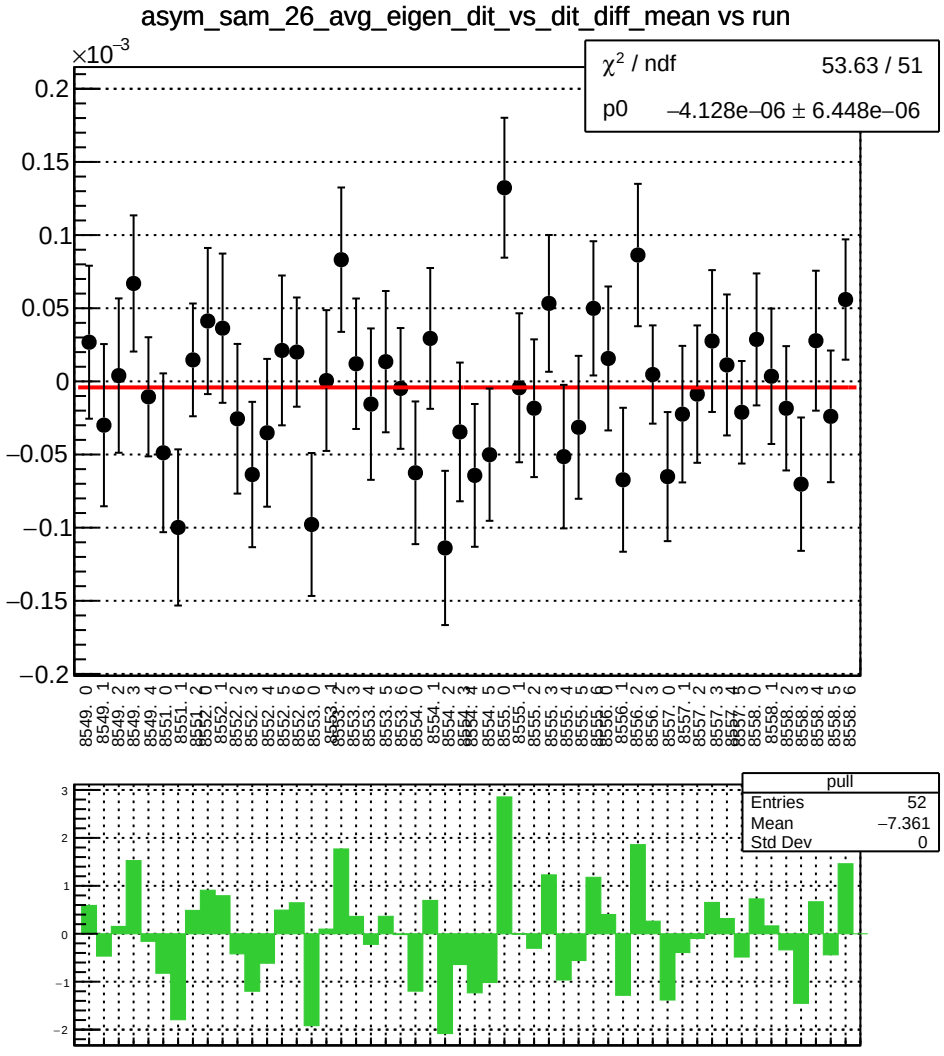
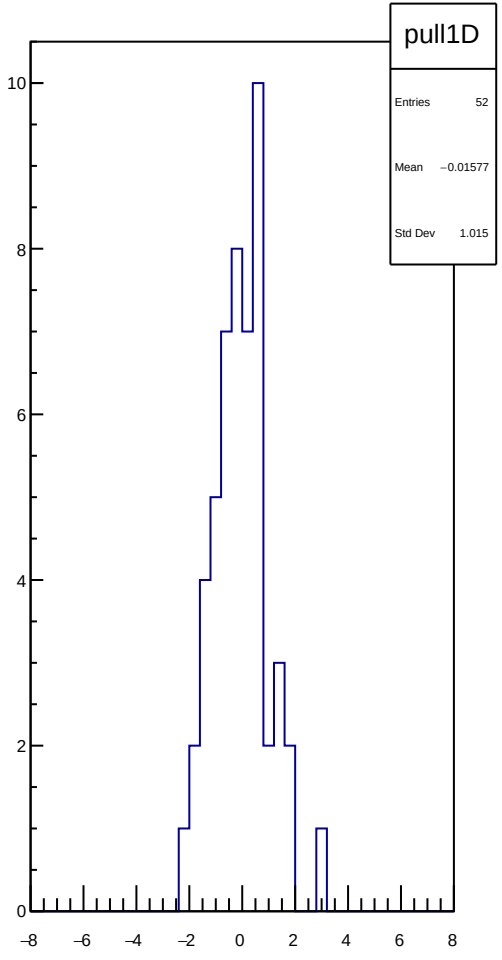
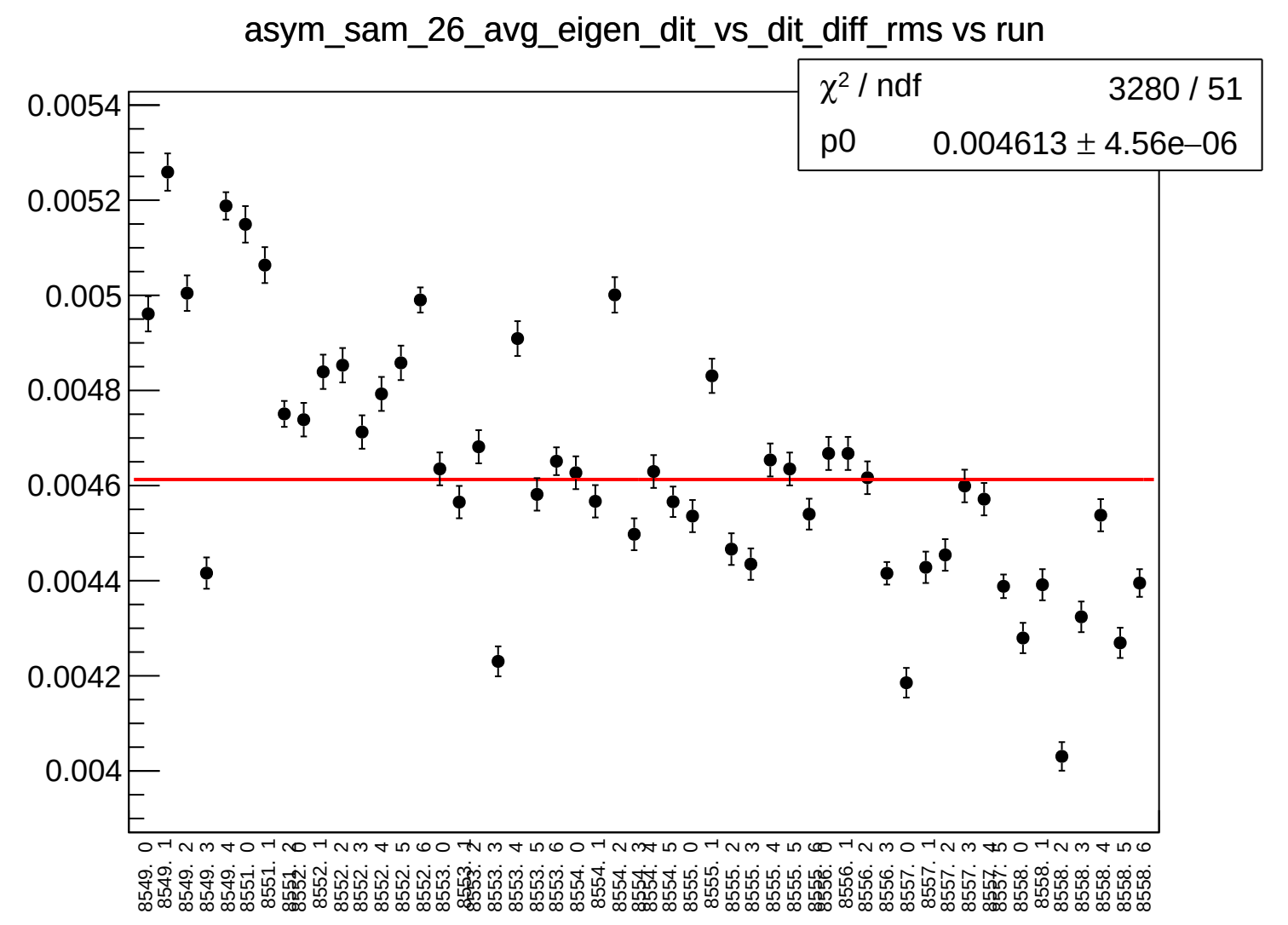
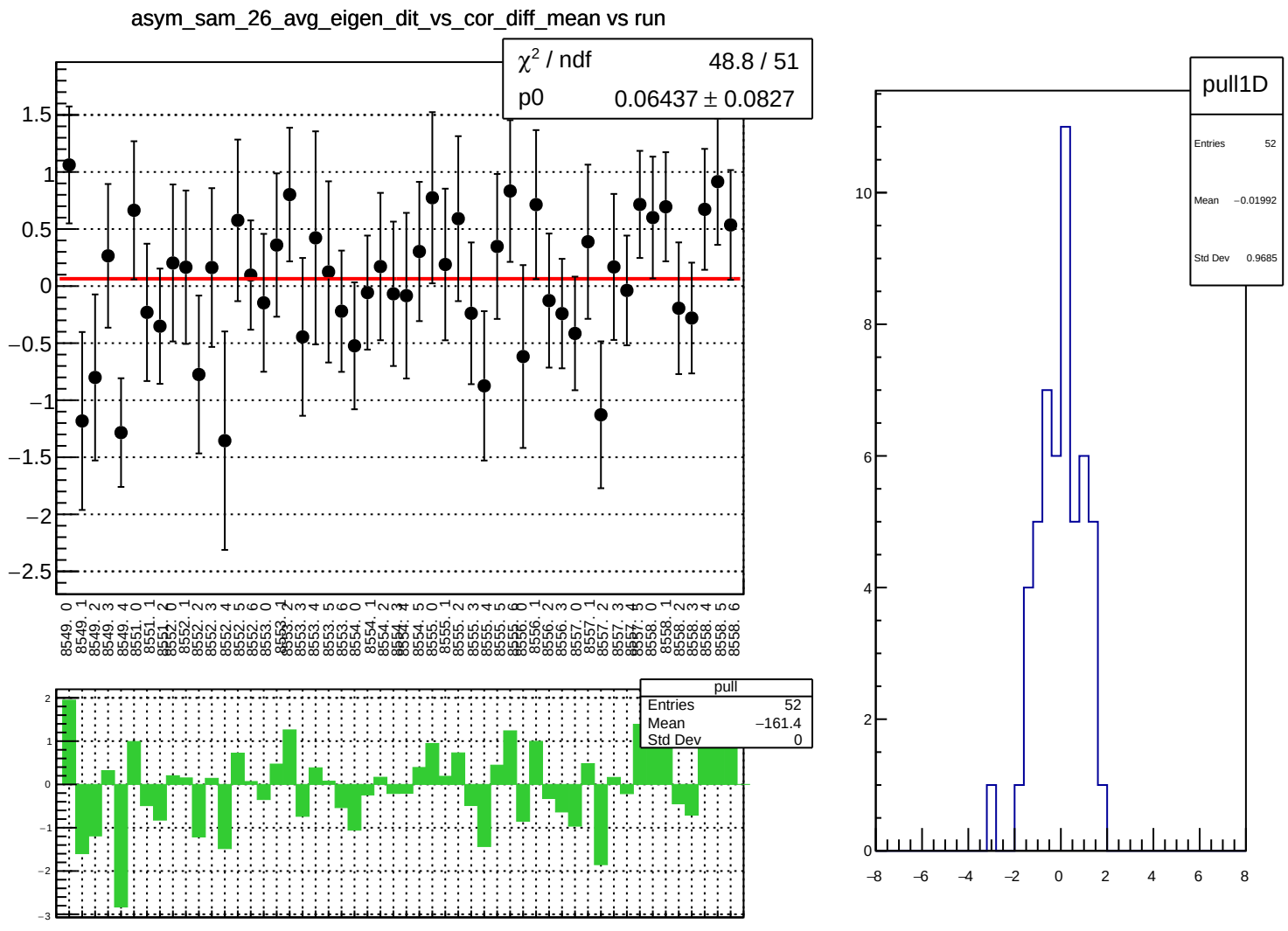
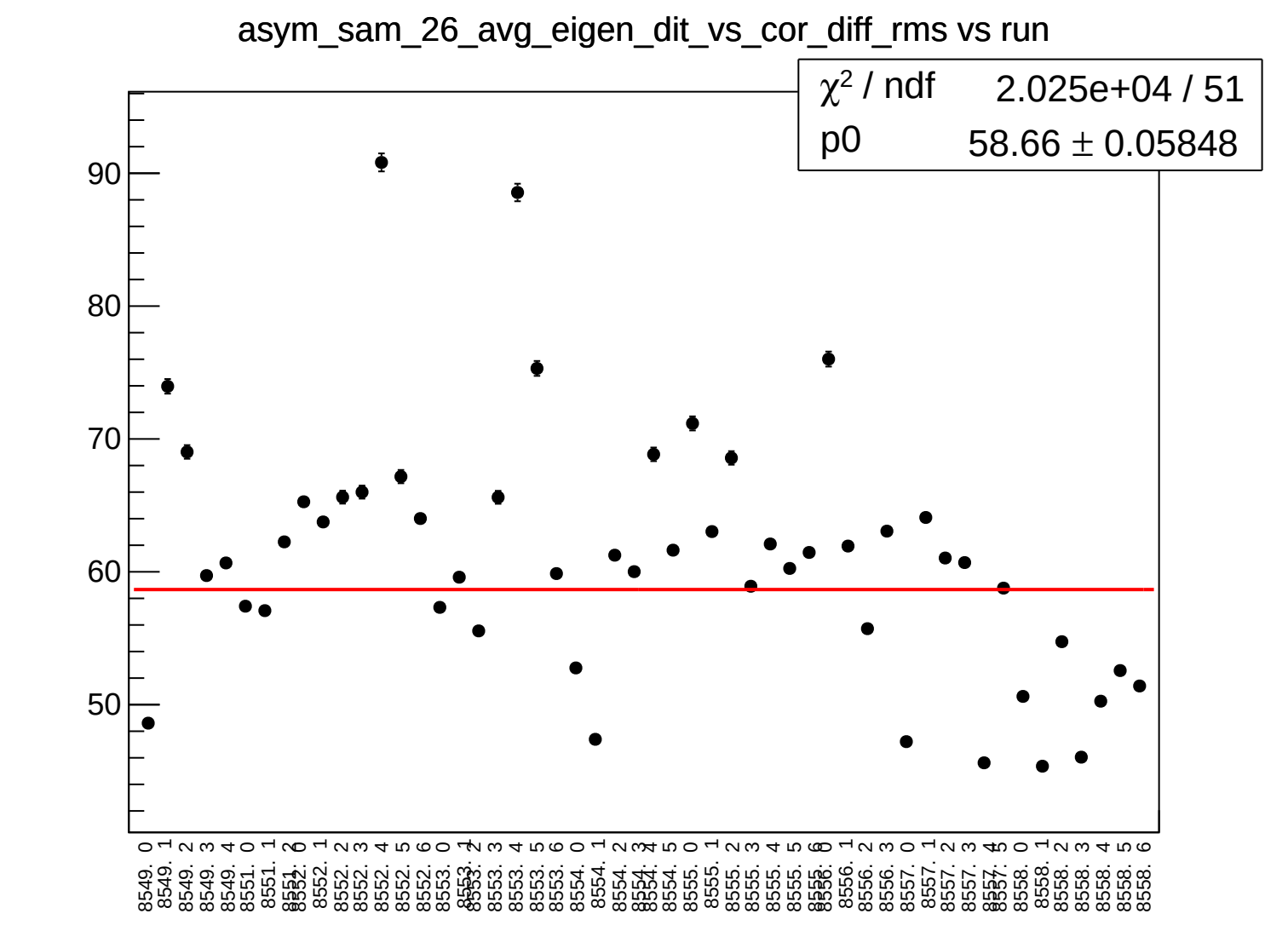
8558. 6

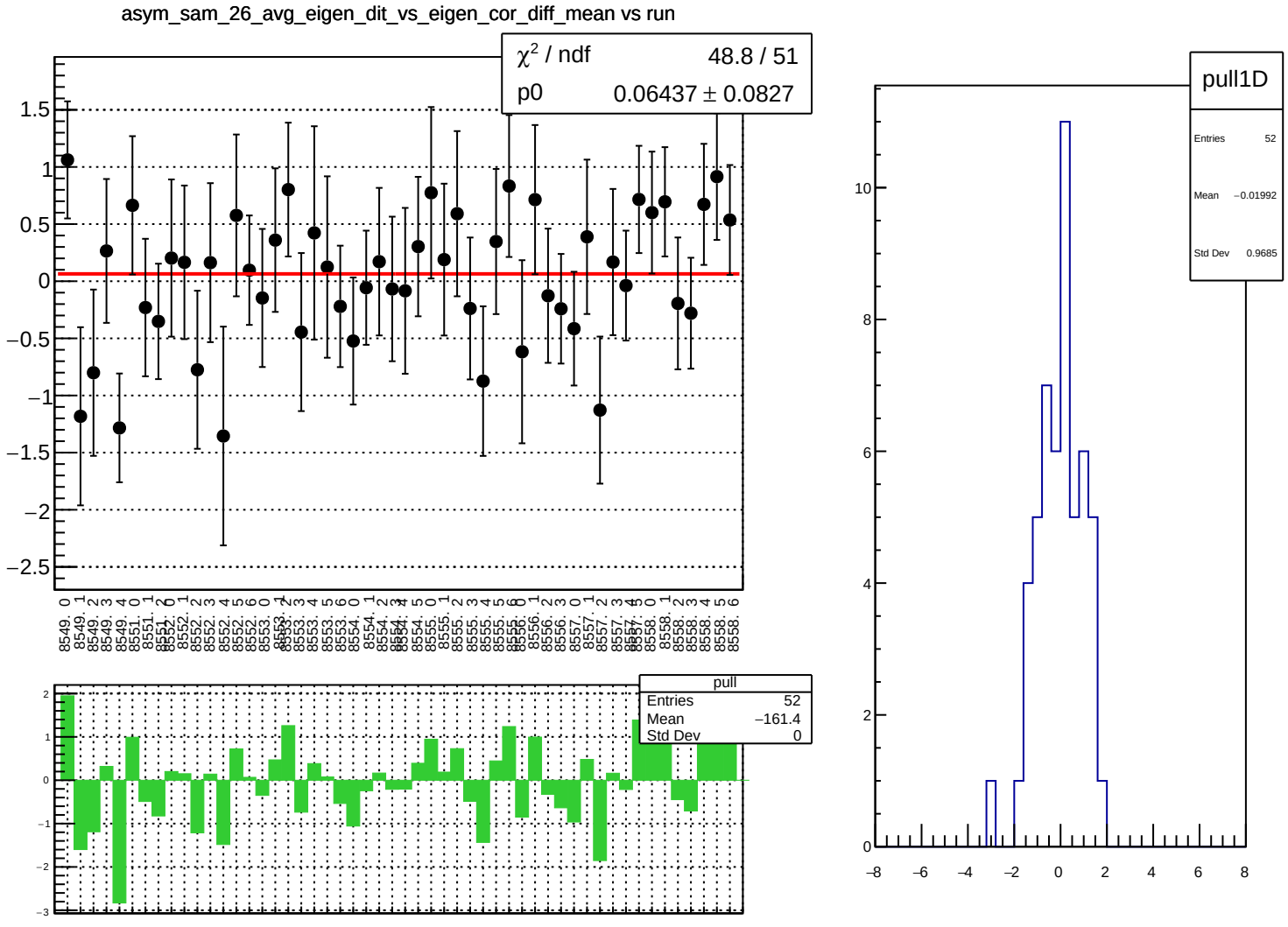

asym_sam_26_avg_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 53.63 / 51
p0 −4.128e−06 ± 6.448e−06
pull
Entries 52
Mean −7.361
Std Dev 0

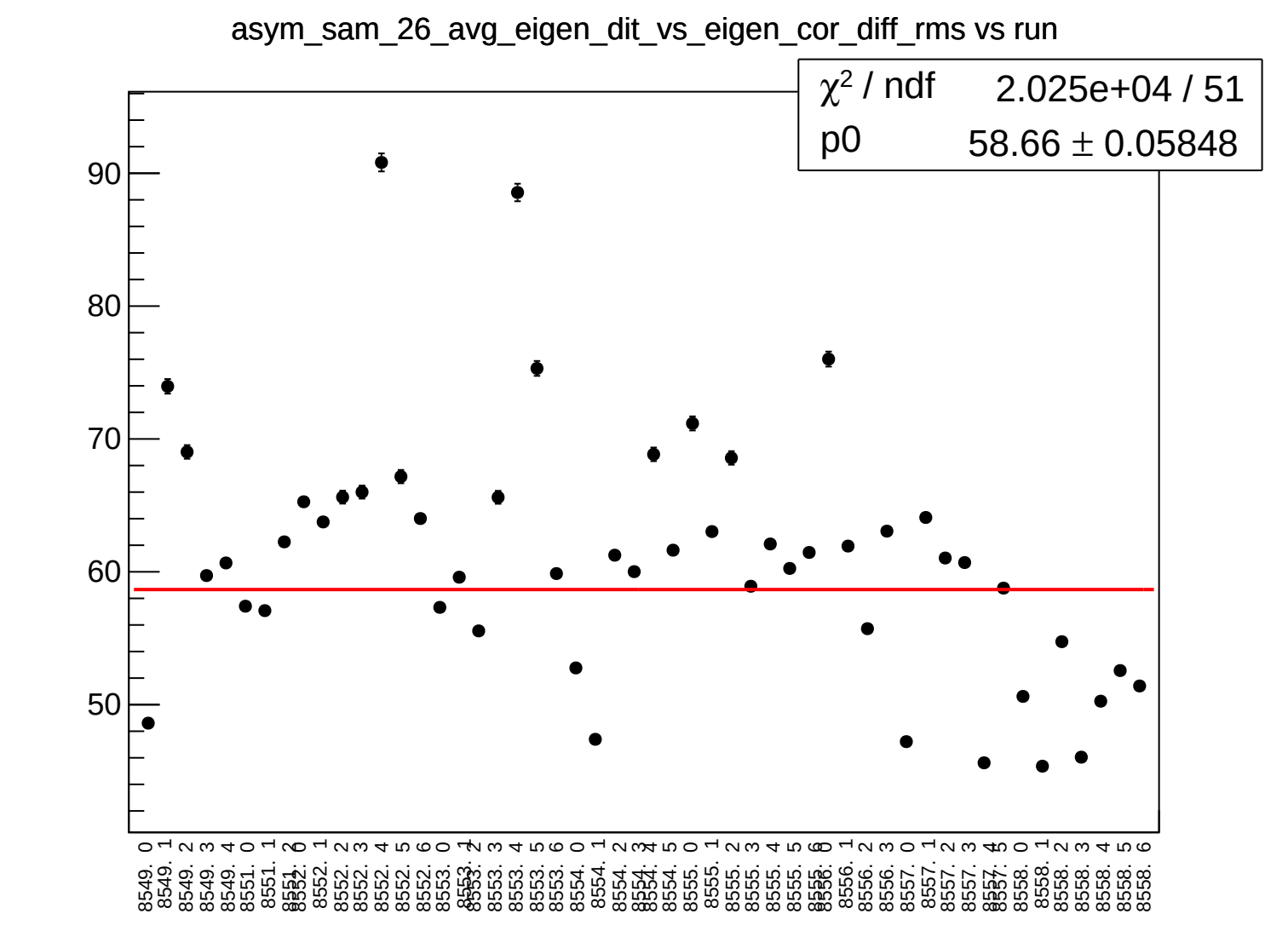

pull1D
Entries 52
Mean −0.01577
Std Dev 1.015

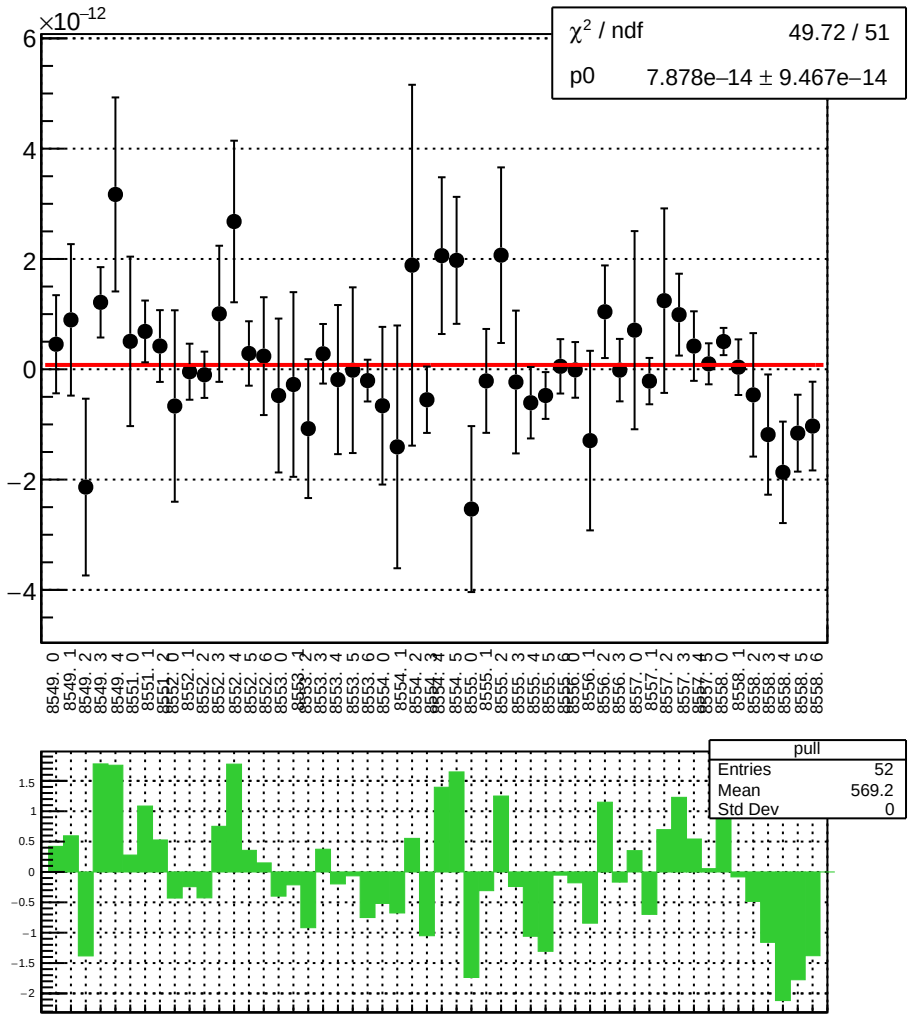

asym_sam_26_avg_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 3280 / 51
p0 0.004613 ± 4.56e−06
0.0054
0.0052
0.005
0.0048
0.0046
0.0044
0.0042
0.004
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 5
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

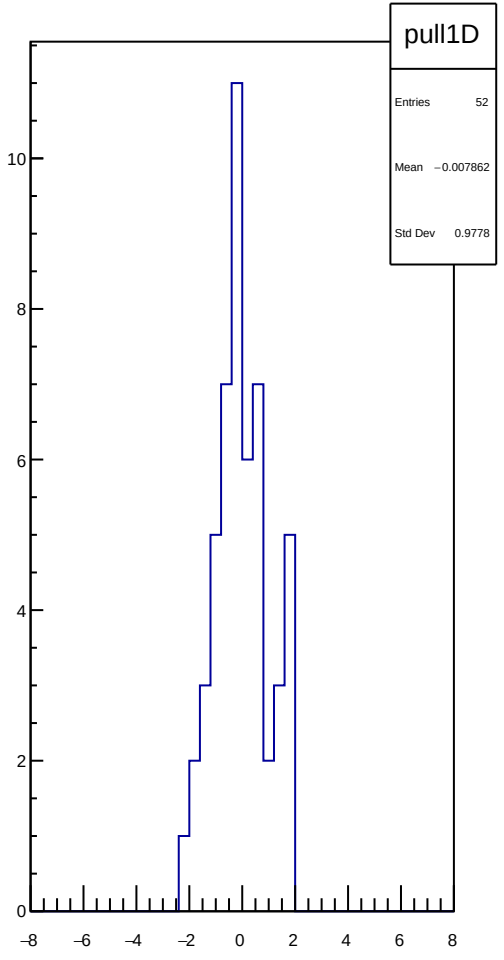

asym_sam_26_avg_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 48.8 / 51
p0 0.06437 ± 0.0827
pull
Entries 52
Mean −161.4
Std Dev 0
pull1D
Entries 52
Mean −0.01992
Std Dev 0.9685

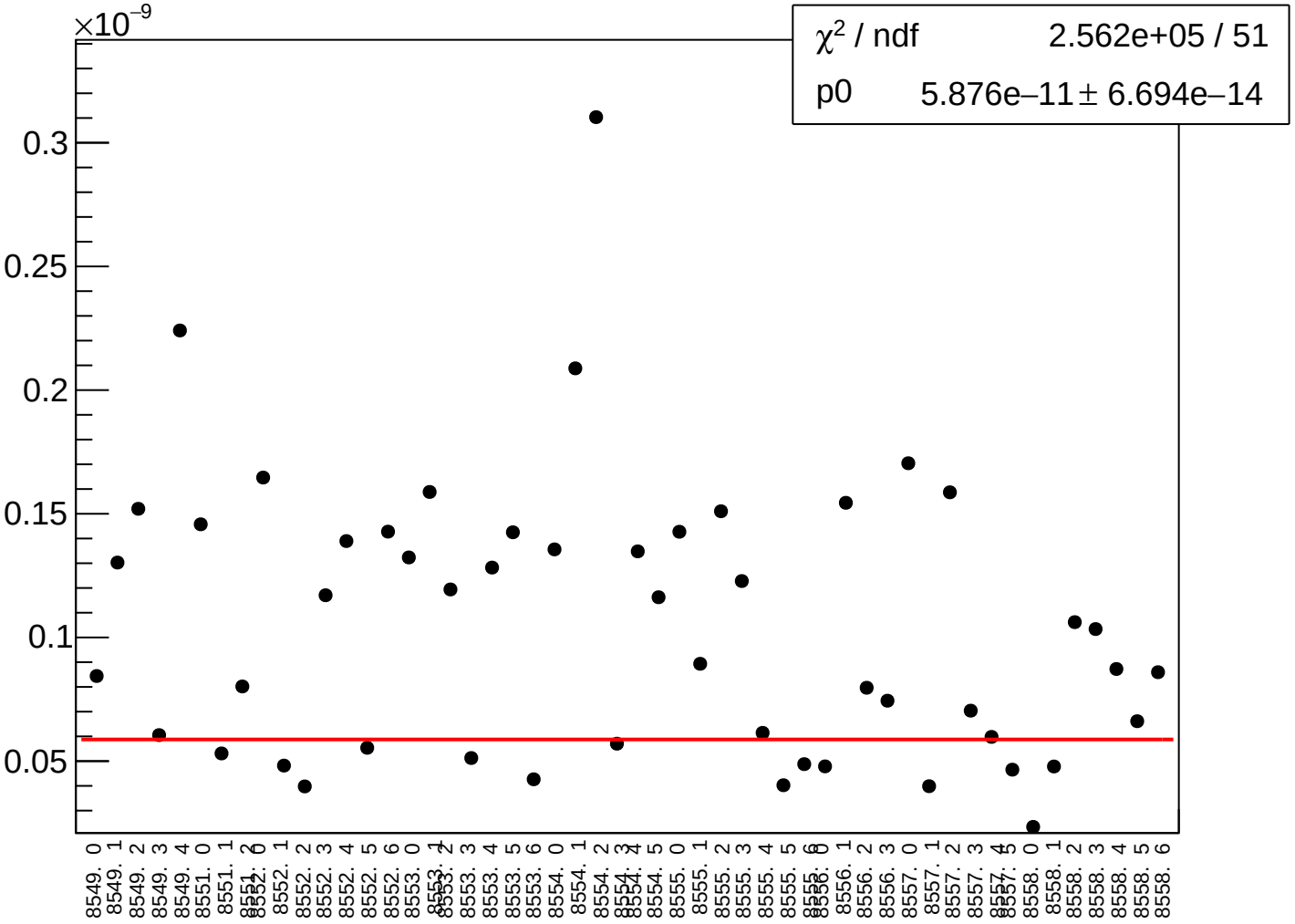

asym_sam_26_avg_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 2.025e+04 / 51
p0 58.66 ± 0.05848
90
80
70
60
50
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 5
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

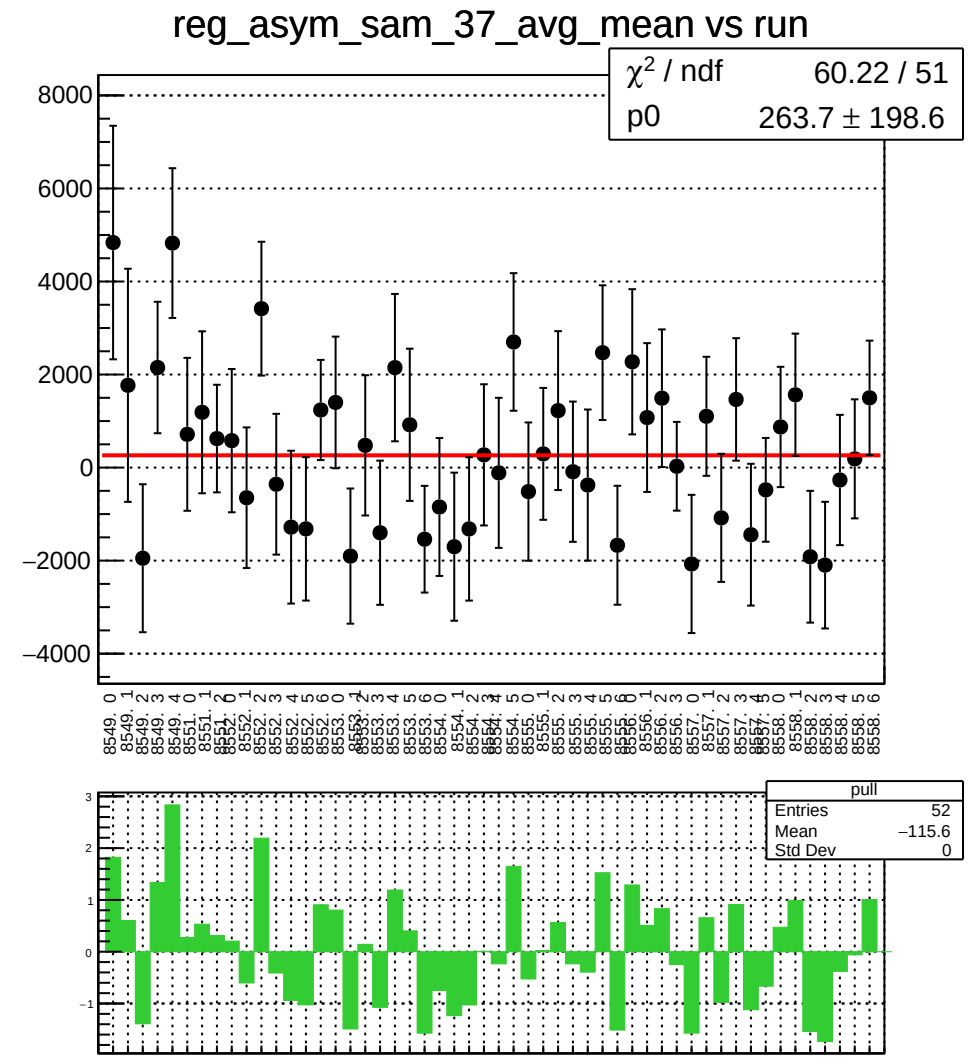

asym_sam_26_avg_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 48.8 / 51
p0 0.06437 ± 0.0827
pull
Entries 52
Mean −161.4
Std Dev 0
pull1D
Entries 52
Mean −0.01992
Std Dev 0.9685

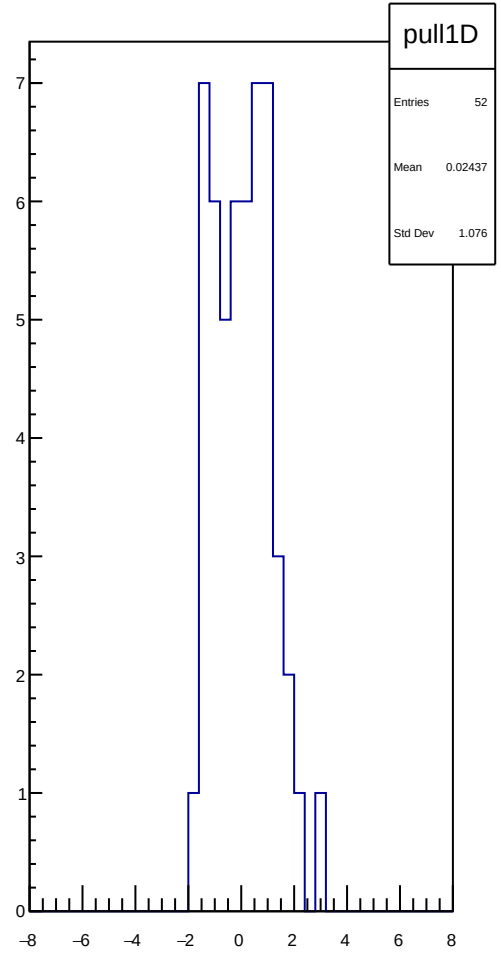

asym_sam_26_avg_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 2.025e+04 / 51
p0 58.66 ± 0.05848
90
80
70
60
50
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 5
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

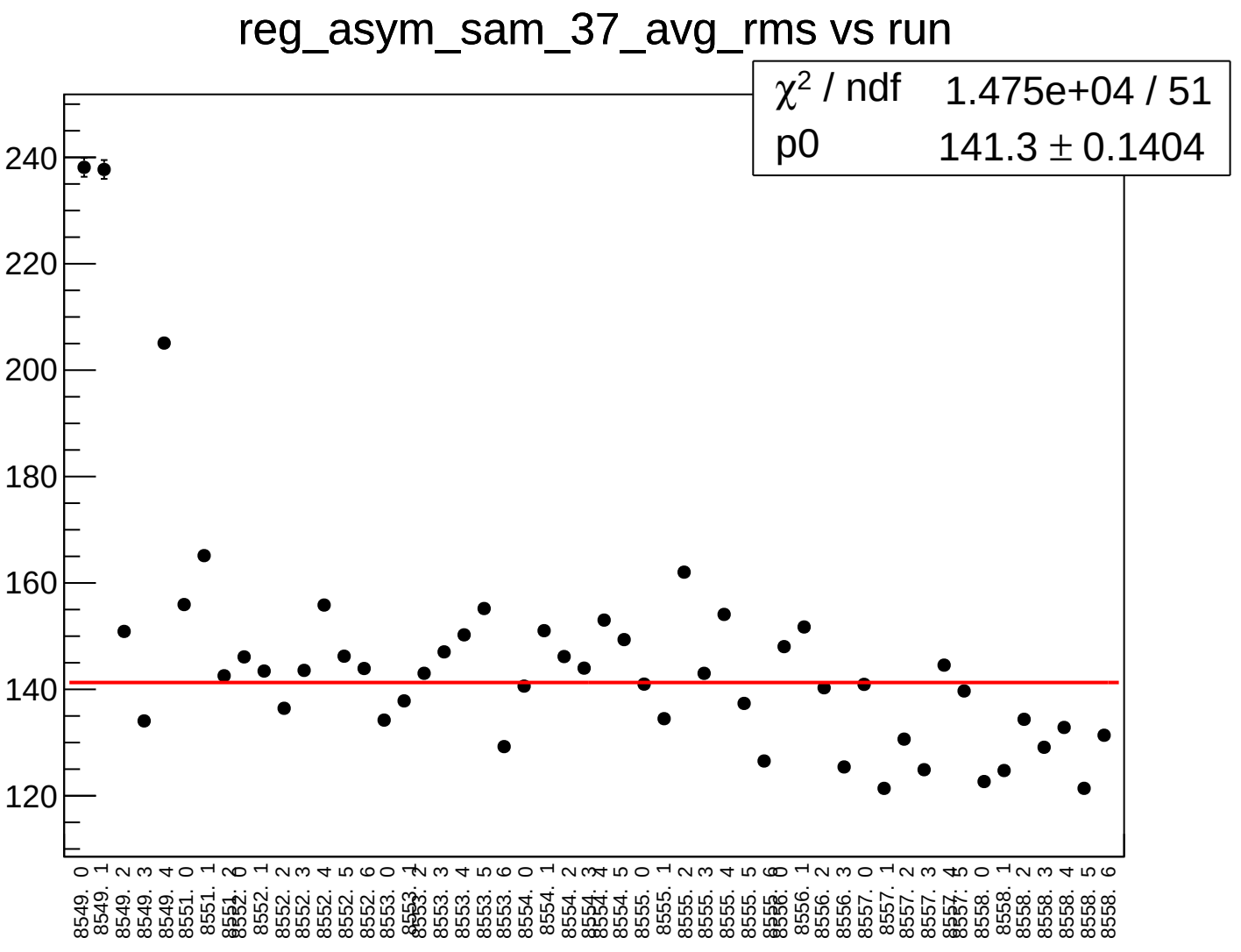

asym_sam_26_avg_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 49.72 / 51
p0 7.878e−14 ± 9.467e−14
pull
Entries 52
Mean 569.2
Std Dev 0

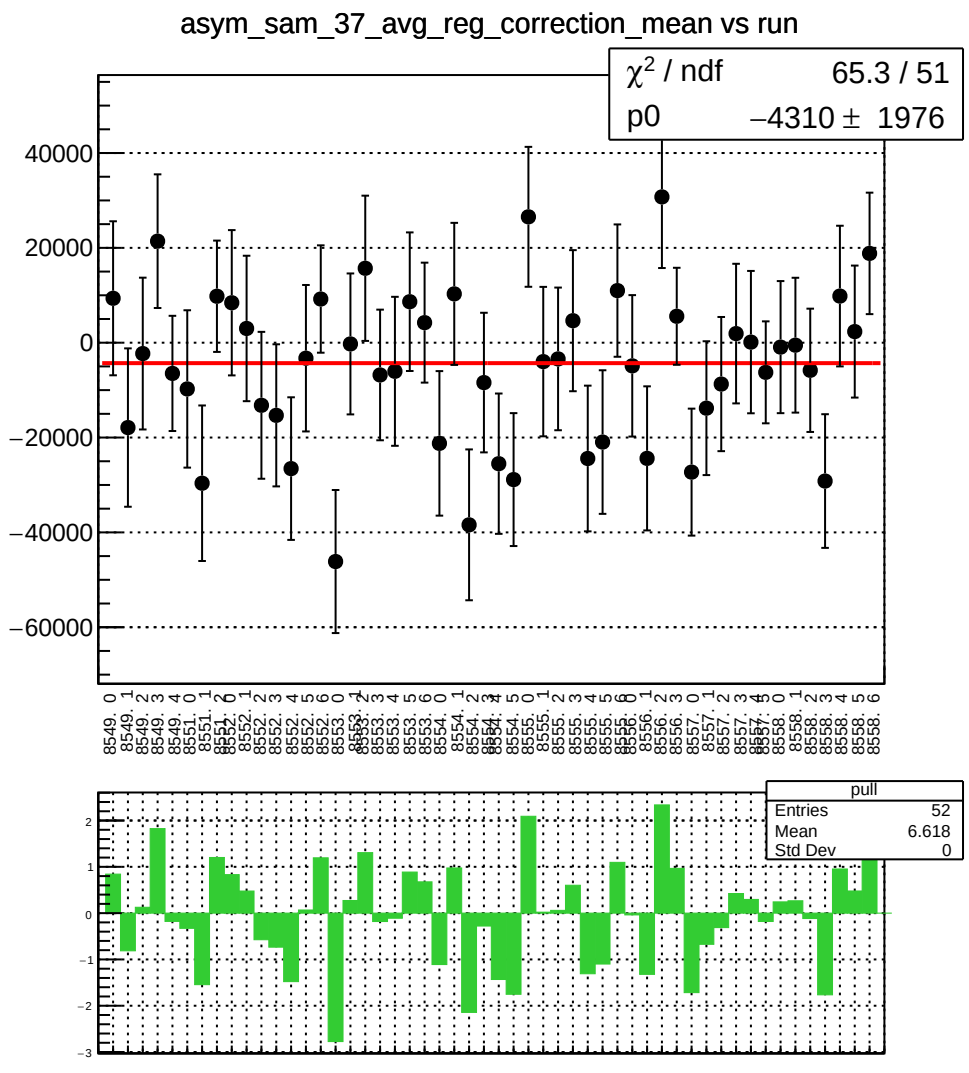

pull1D
Entries 52
Mean −0.007862
Std Dev 0.9778

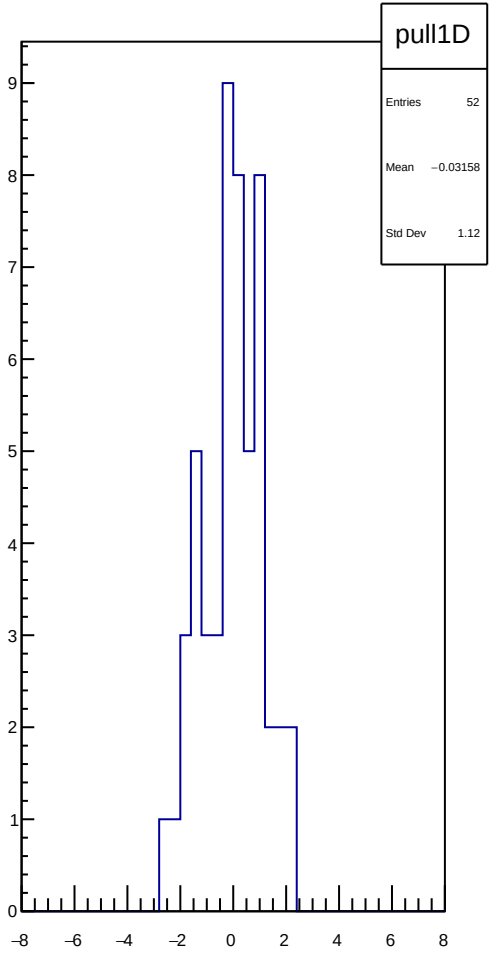

asym_sam_26_avg_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 2.562e+05 / 51
p0 5.876e−11 ± 6.694e−14
0.3
0.25
0.2
0.15
0.1
0.05
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 5
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

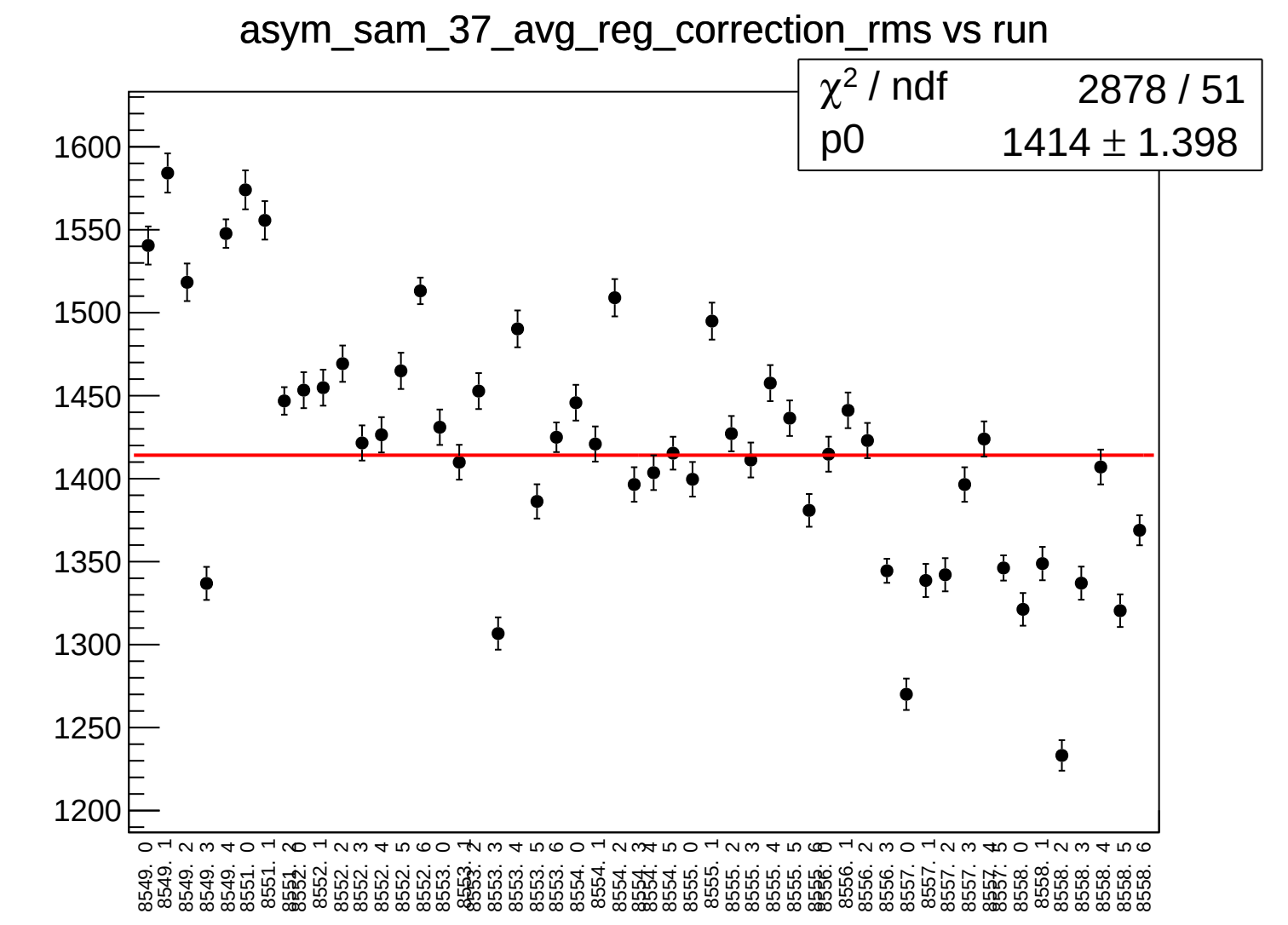

reg_asym_sam_37_avg_mean vs run
χ² / ndf 60.22 / 51
p0 263.7 ± 198.6
pull
Entries 52
Mean −115.6
Std Dev 0


pull1D
Entries 52
Mean 0.02437
Std Dev 1.076


reg_asym_sam_37_avg_rms vs run
χ² / ndf 1.475e+04 / 51
p0 141.3 ± 0.1404
240
220
200
180
160
140
120
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6


asym_sam_37_avg_reg_correction_mean vs run
χ² / ndf 65.3 / 51
p0 −4310 ± 1976
40000
20000
0
−20000
−40000
−60000
pull
Entries 52
Mean 6.618
Std Dev 0
2
1
0
−1
−2
−3


pull1D
Entries 52
Mean −0.03158
Std Dev 1.12
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 2878 / 51
p0 1414 ± 1.398
1600
1550
1500
1450
1400
1350
1300
1250
1200
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
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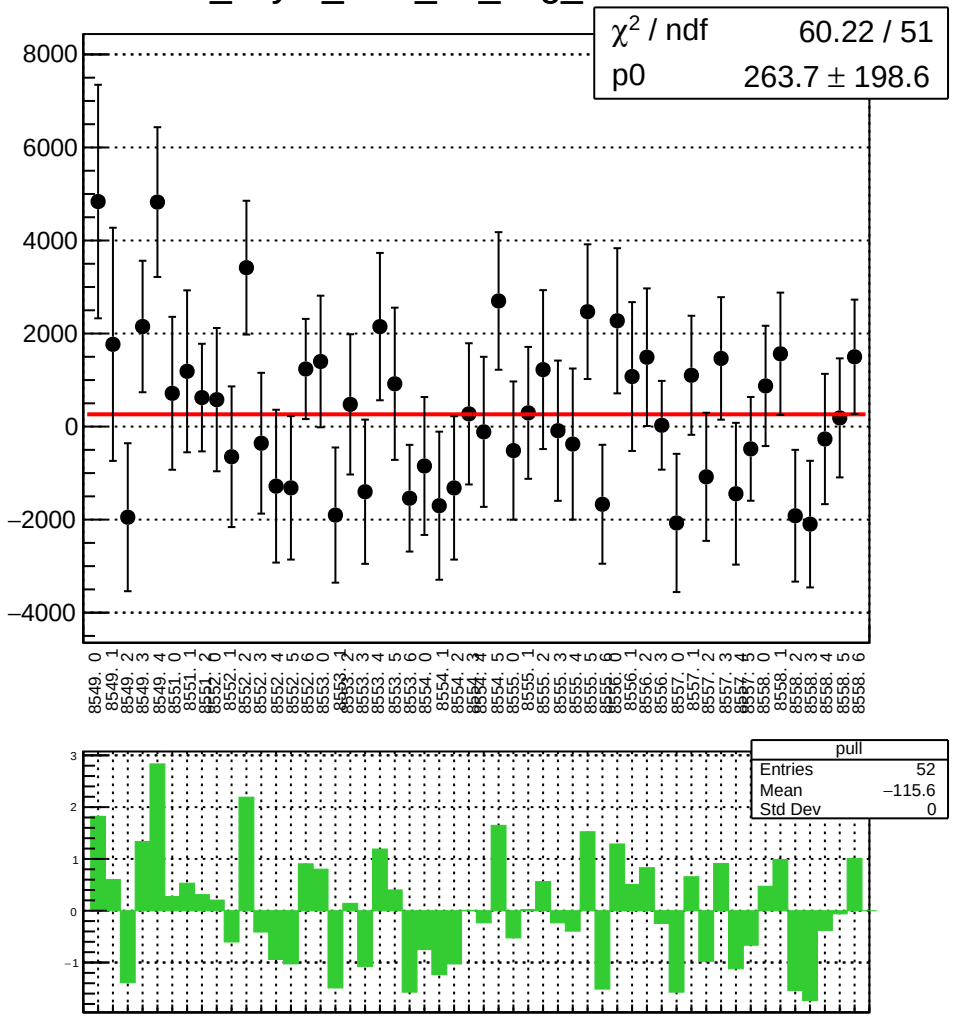
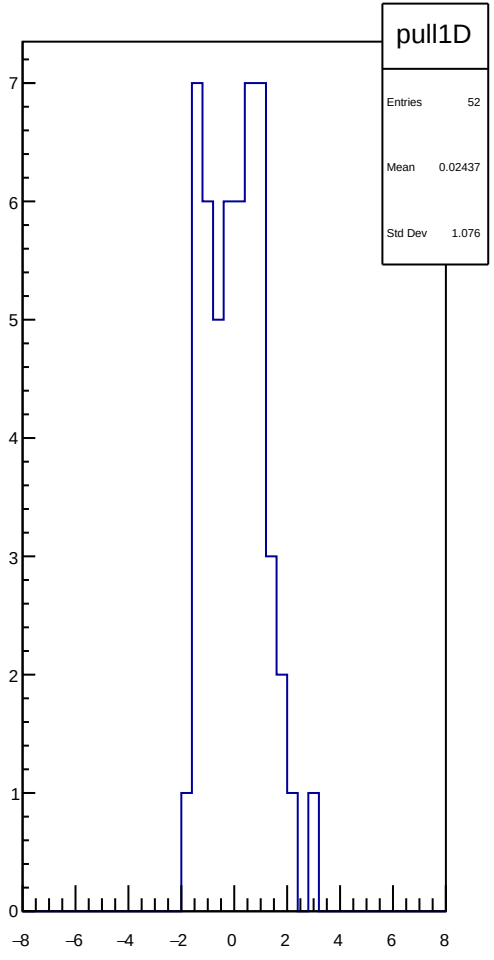
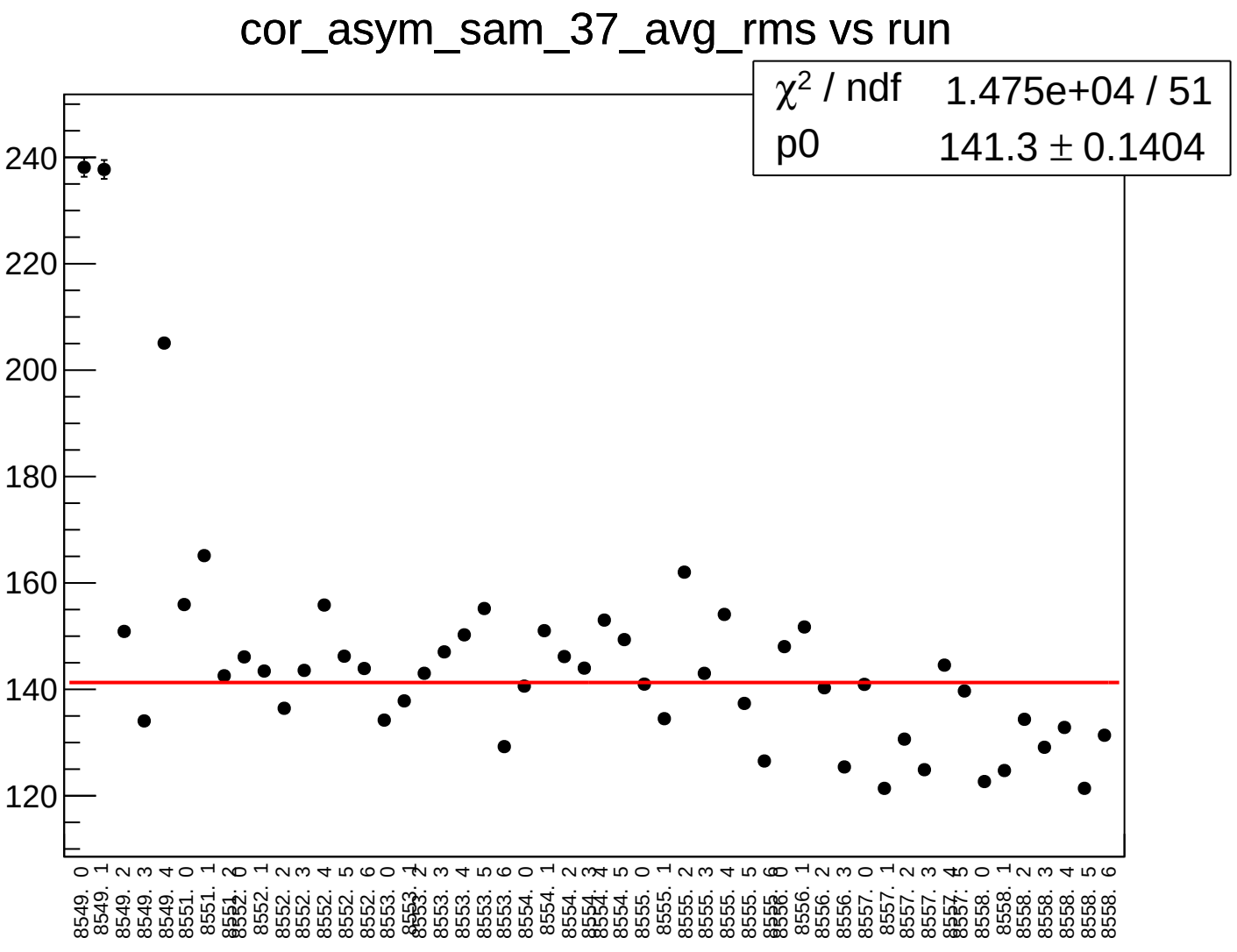
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6


cor_asym_sam_37_avg_mean vs run
χ² / ndf 60.22 / 51
p0 263.7 ± 198.6
pull
Entries 52
Mean −115.6
Std Dev 0


pull1D
Entries 52
Mean 0.02437
Std Dev 1.076


cor_asym_sam_37_avg_rms vs run
χ² / ndf 1.475e+04 / 51
p0 141.3 ± 0.1404
240
220
200
180
160
140
120
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
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8554. 1
8554. 2
8554. 5
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8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
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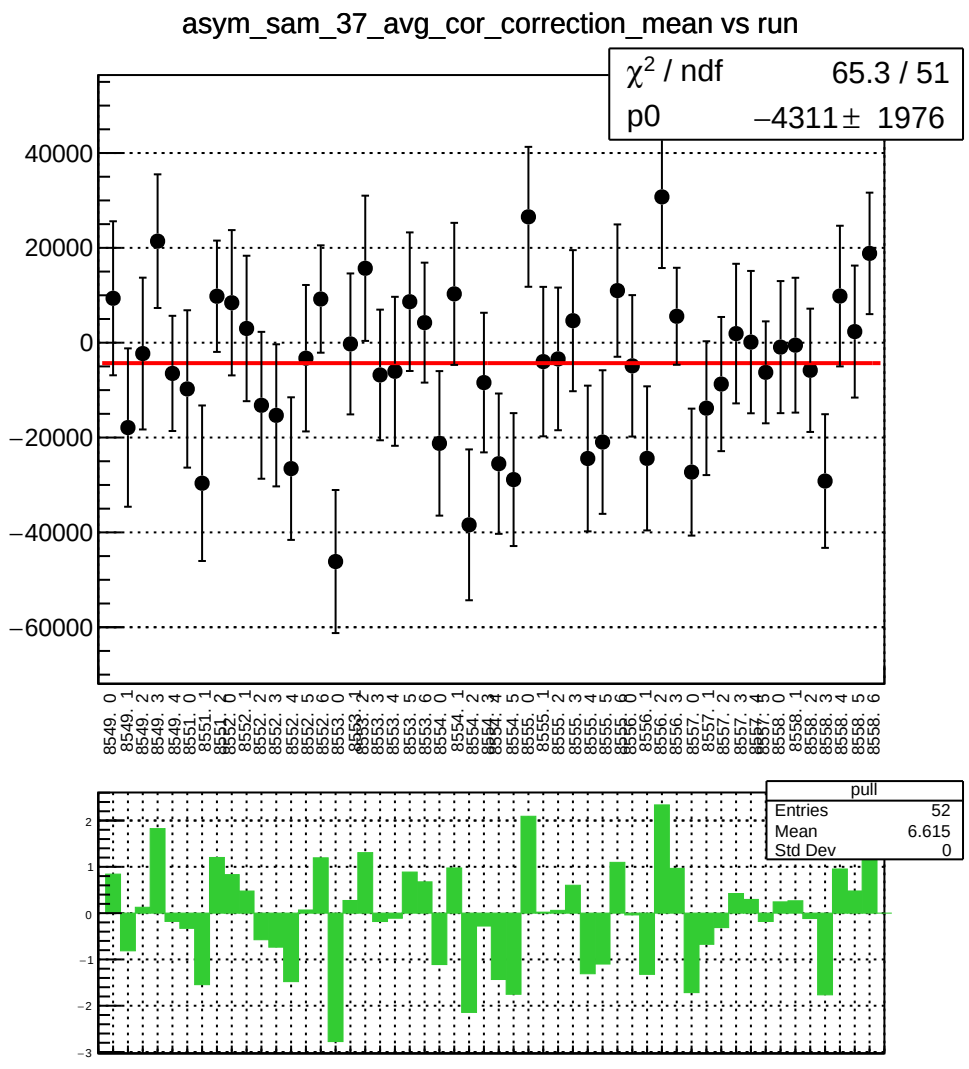
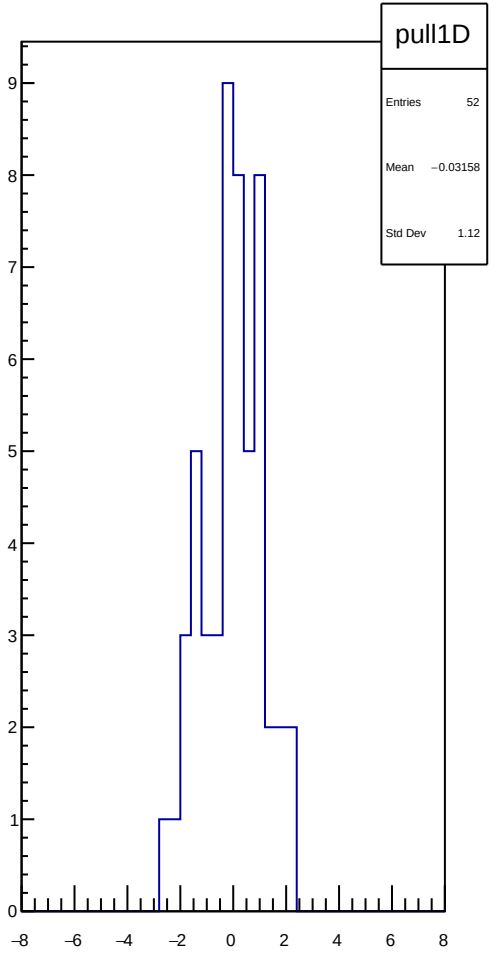
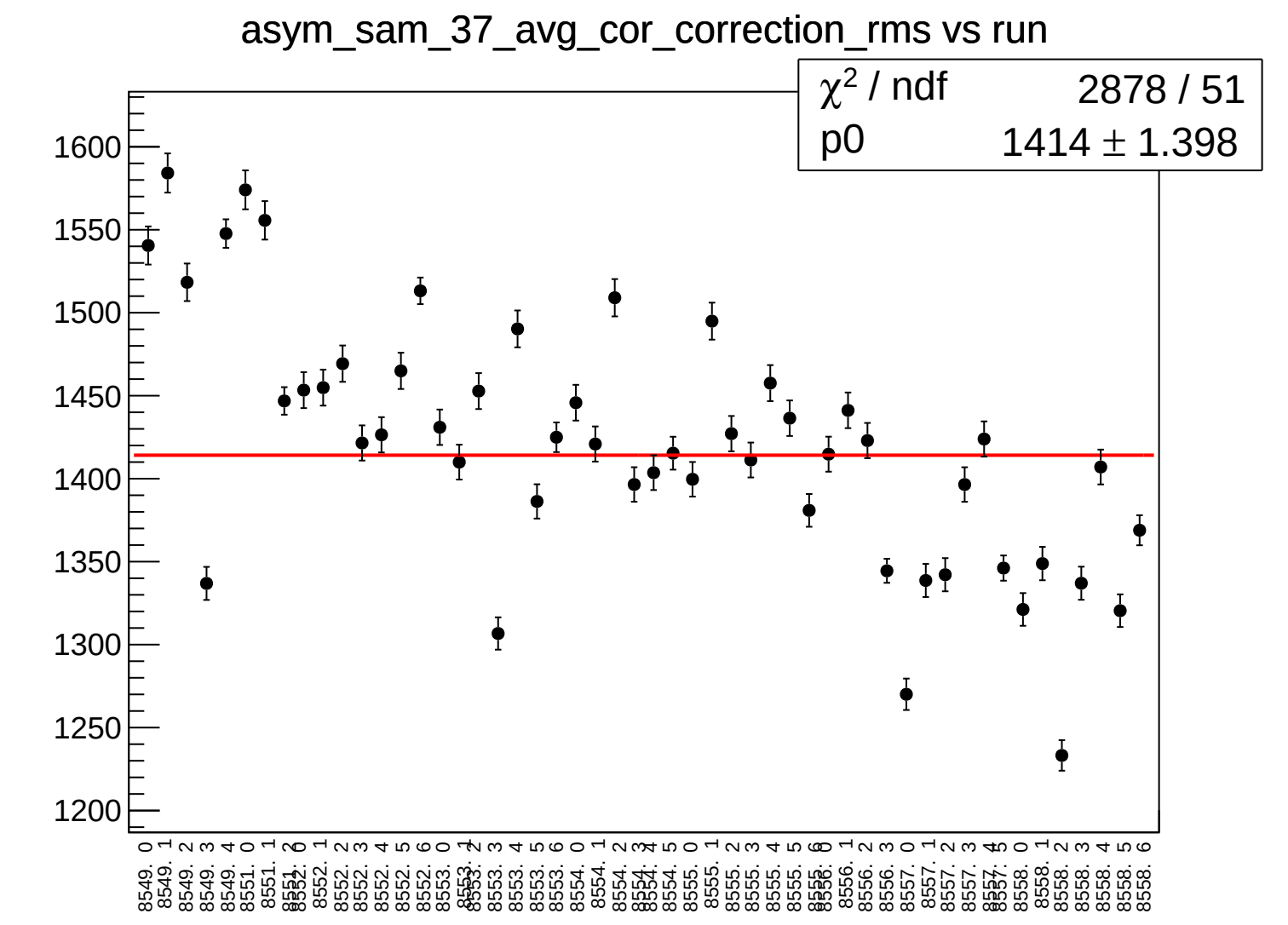
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6


asym_sam_37_avg_cor_correction_mean vs run
χ² / ndf 65.3 / 51
p0 −4311 ± 1976
40000
20000
0
−20000
−40000
−60000
pull
Entries 52
Mean 6.615
Std Dev 0
2
1
0
−1
−2
−3


pull1D
Entries 52
Mean −0.03158
Std Dev 1.12
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 2878 / 51
p0 1414 ± 1.398
1600
1550
1500
1450
1400
1350
1300
1250
1200
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
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8557. 3
8558. 0
8558. 1
8558. 2
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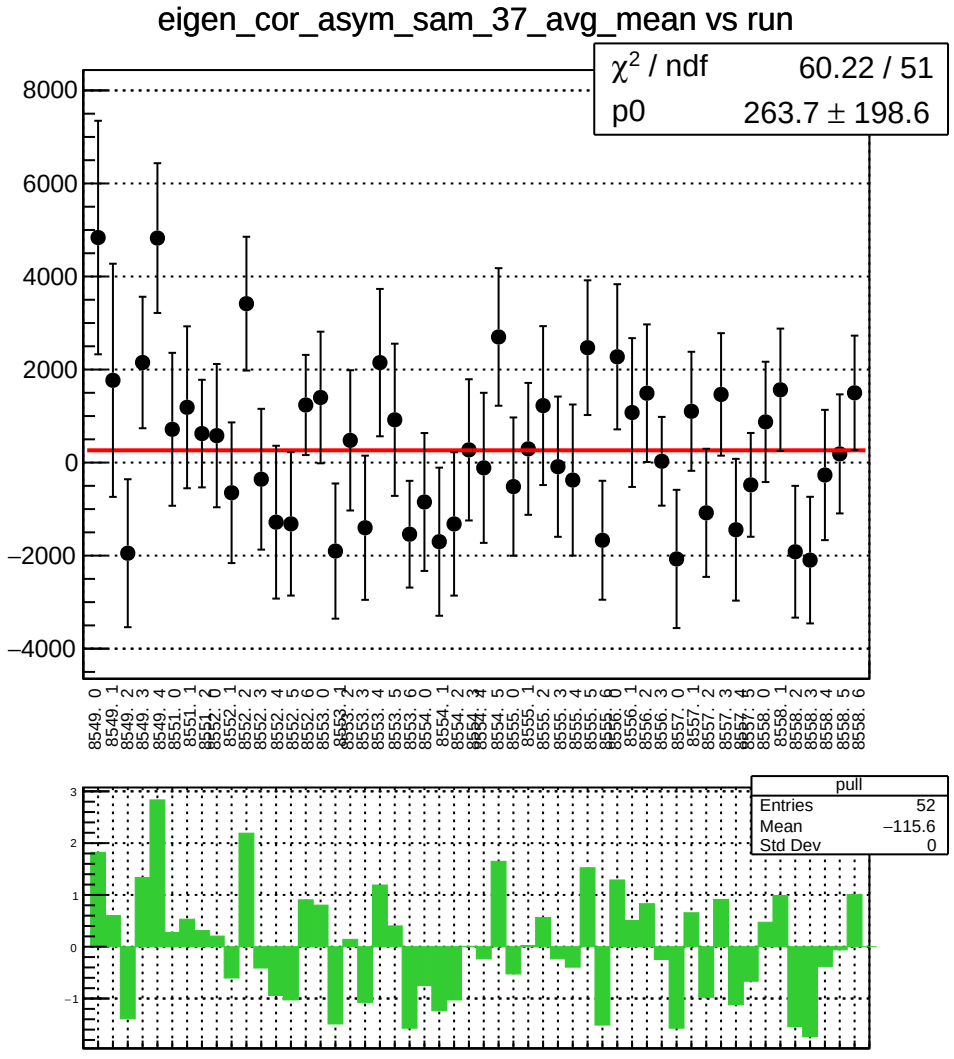
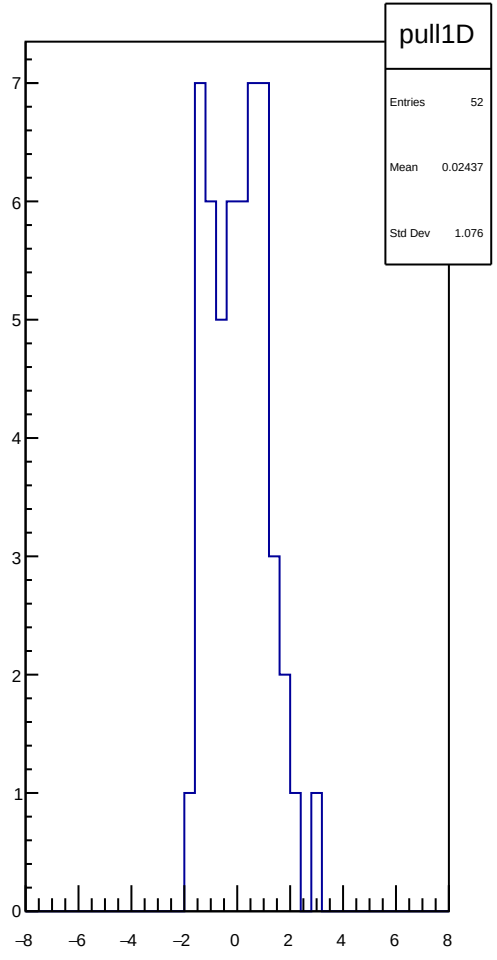
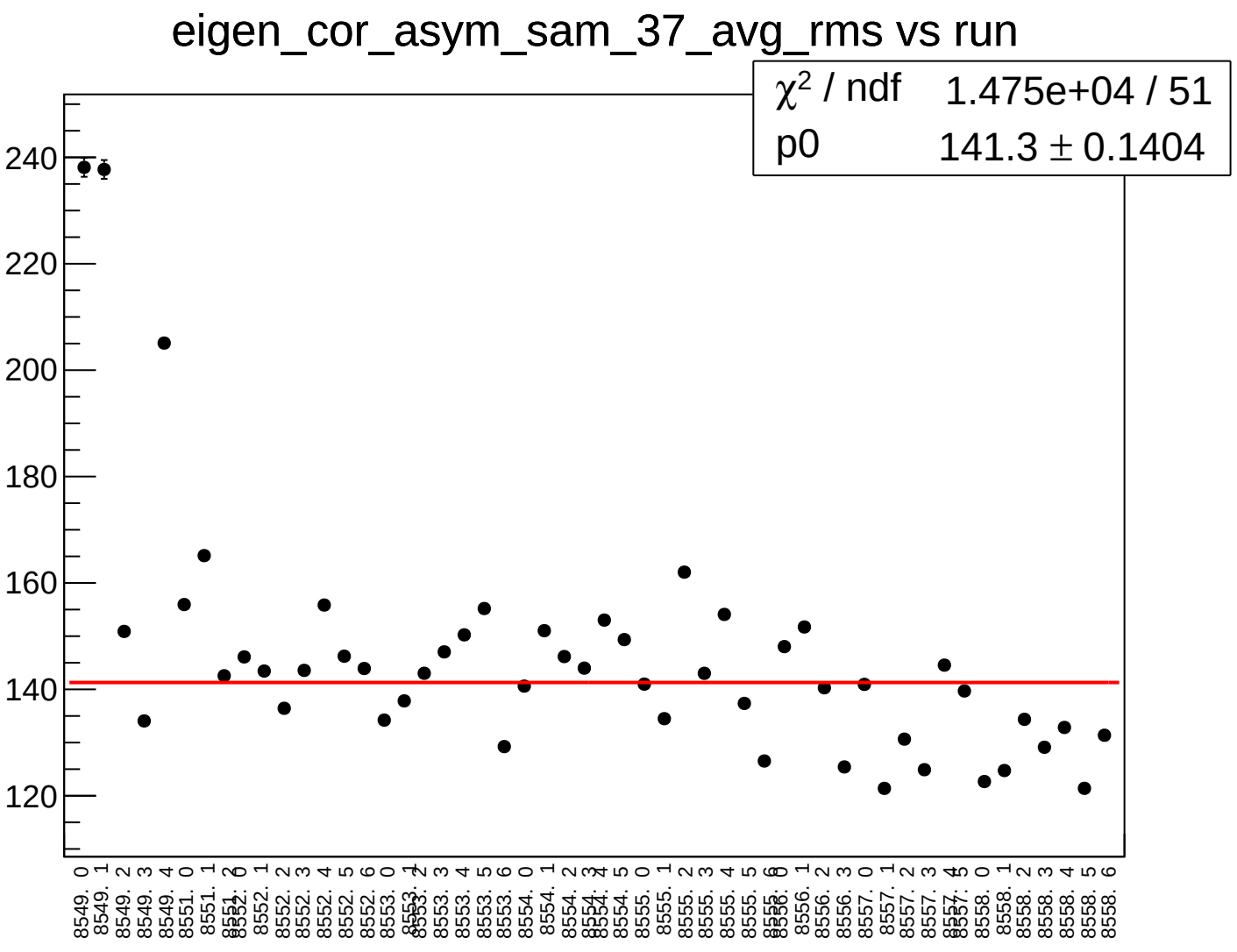
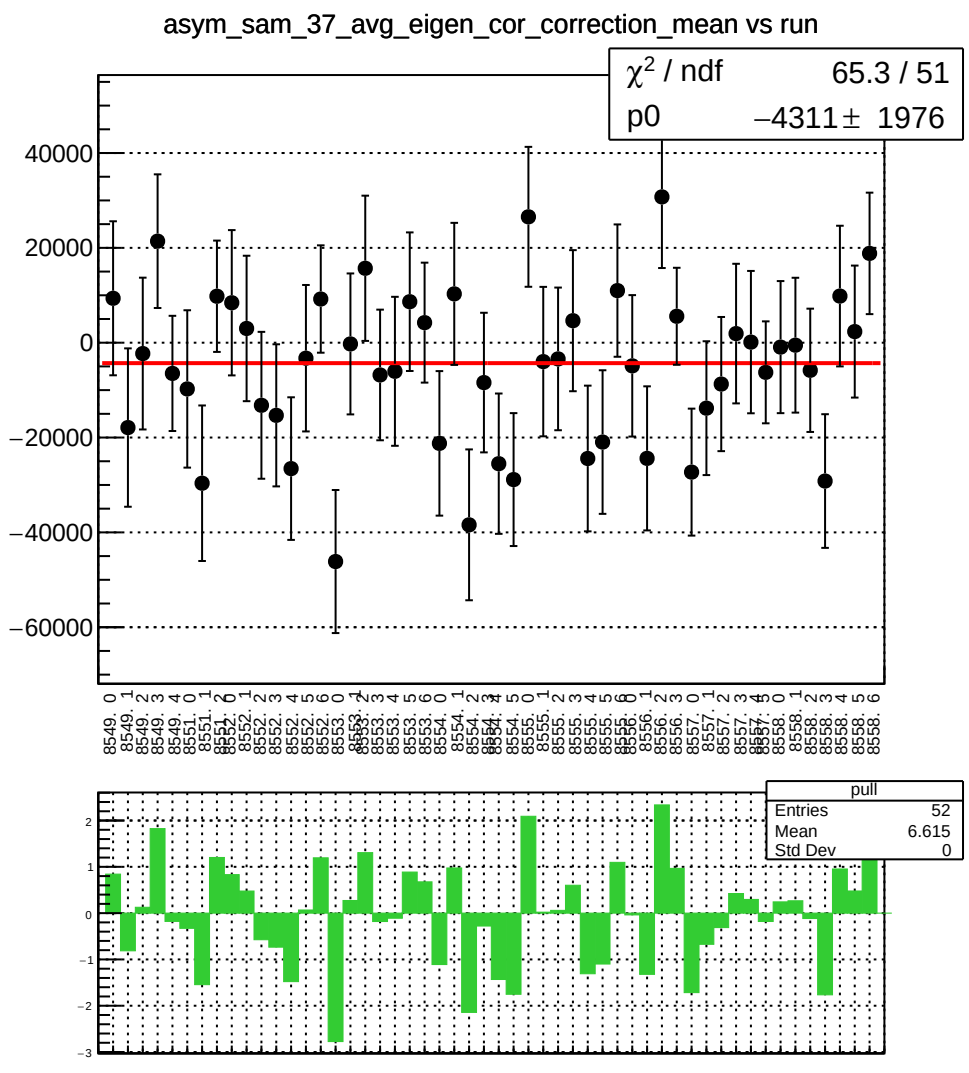
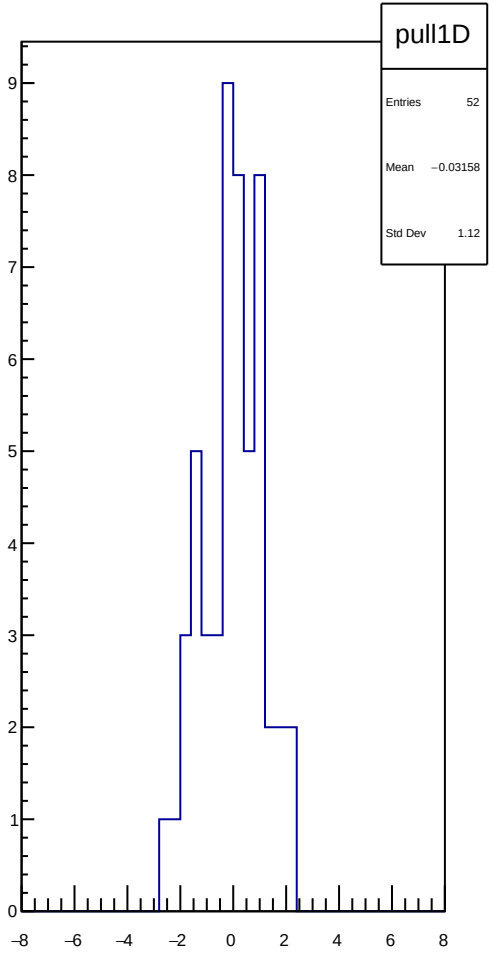
8558. 5
8558. 6

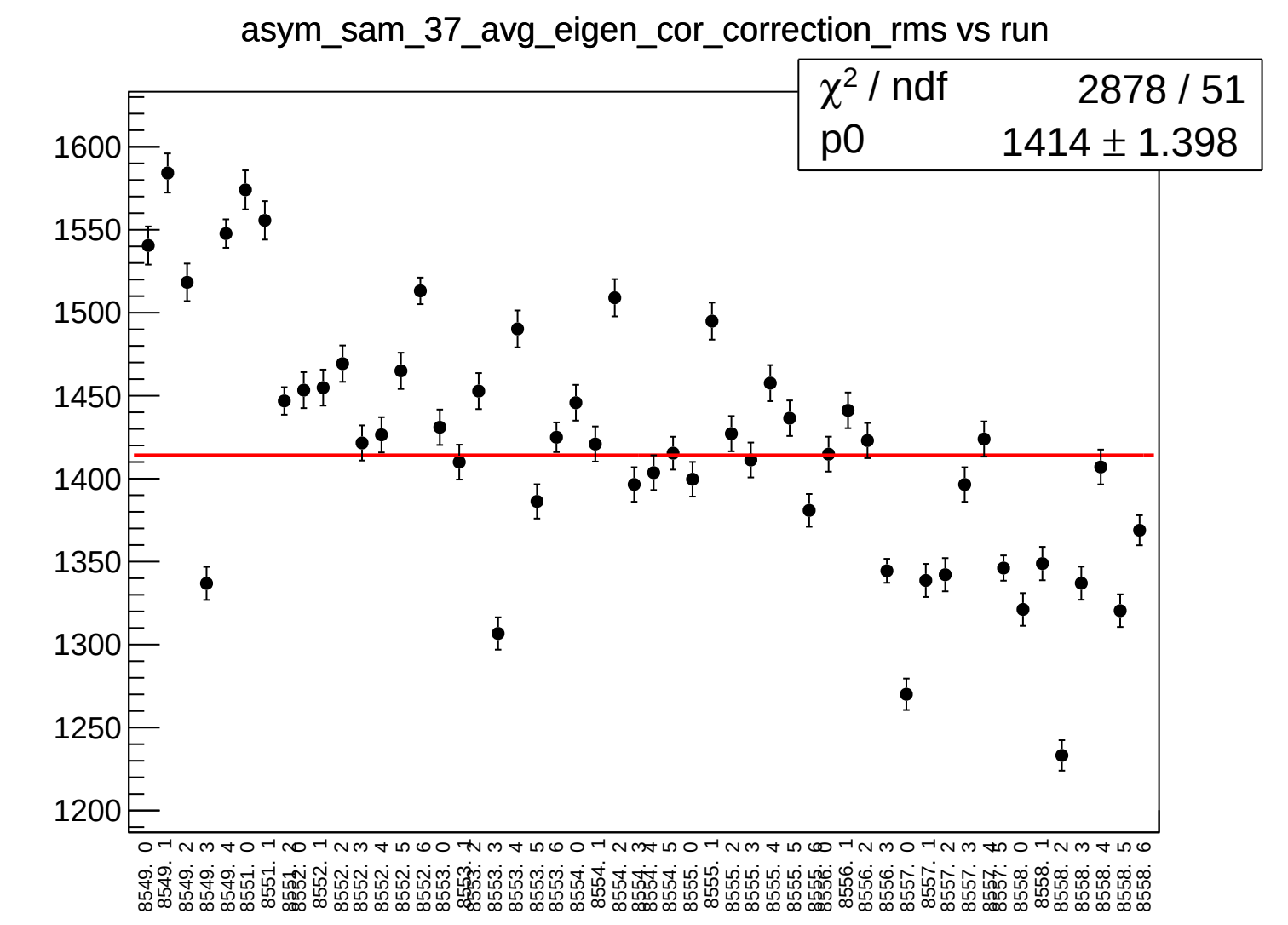

eigen_cor_asym_sam_37_avg_mean vs run
χ² / ndf 60.22 / 51
p0 263.7 ± 198.6
pull
Entries 52
Mean −115.6
Std Dev 0


pull1D
Entries 52
Mean 0.02437
Std Dev 1.076


eigen_cor_asym_sam_37_avg_rms vs run
χ² / ndf 1.475e+04 / 51
p0 141.3 ± 0.1404
240
220
200
180
160
140
120
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 5
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6


asym_sam_37_avg_eigen_cor_correction_mean vs run
χ² / ndf 65.3 / 51
p0 −4311 ± 1976
40000
20000
0
−20000
−40000
−60000
pull
Entries 52
Mean 6.615
Std Dev 0
2
1
0
−1
−2
−3


pull1D
Entries 52
Mean −0.03158
Std Dev 1.12
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 2878 / 51
p0 1414 ± 1.398
1600
1550
1500
1450
1400
1350
1300
1250
1200
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
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8557. 3
8558. 0
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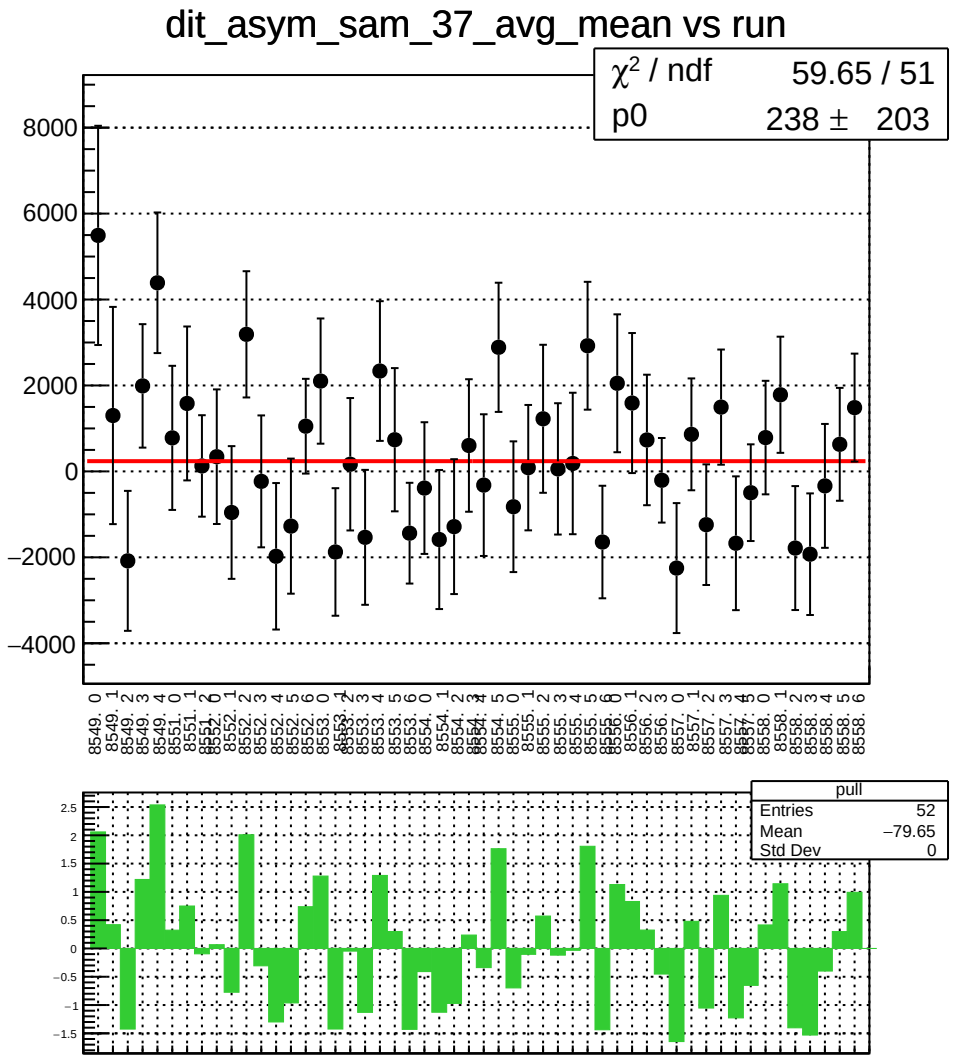
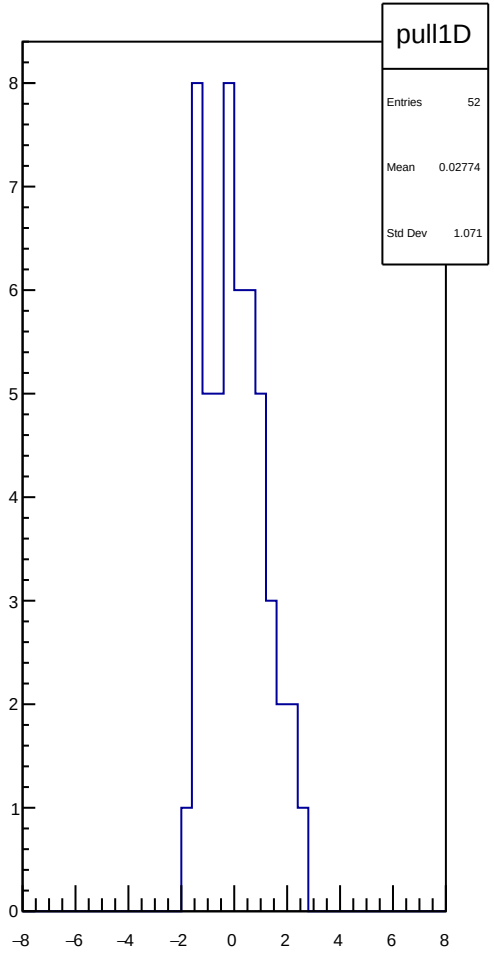
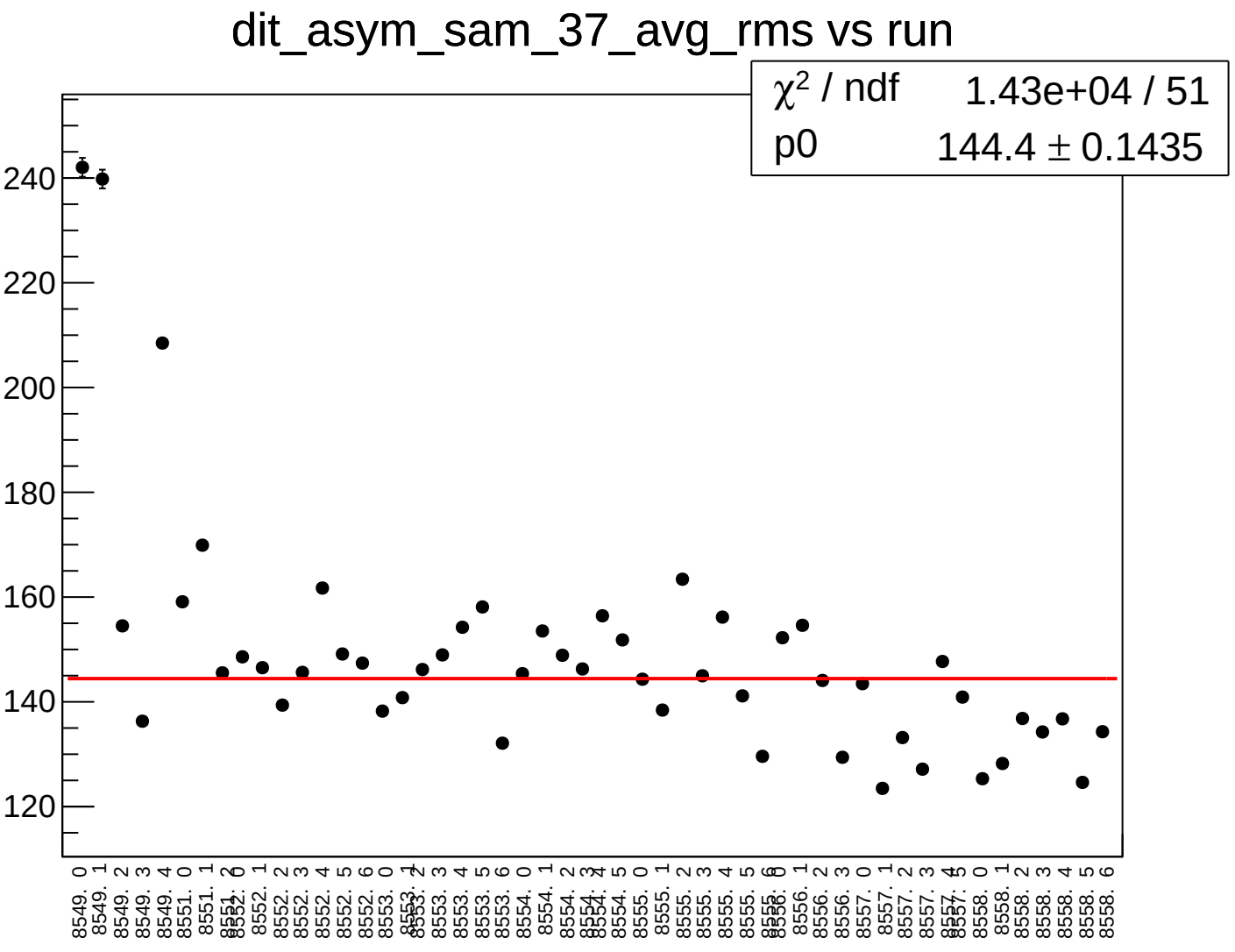
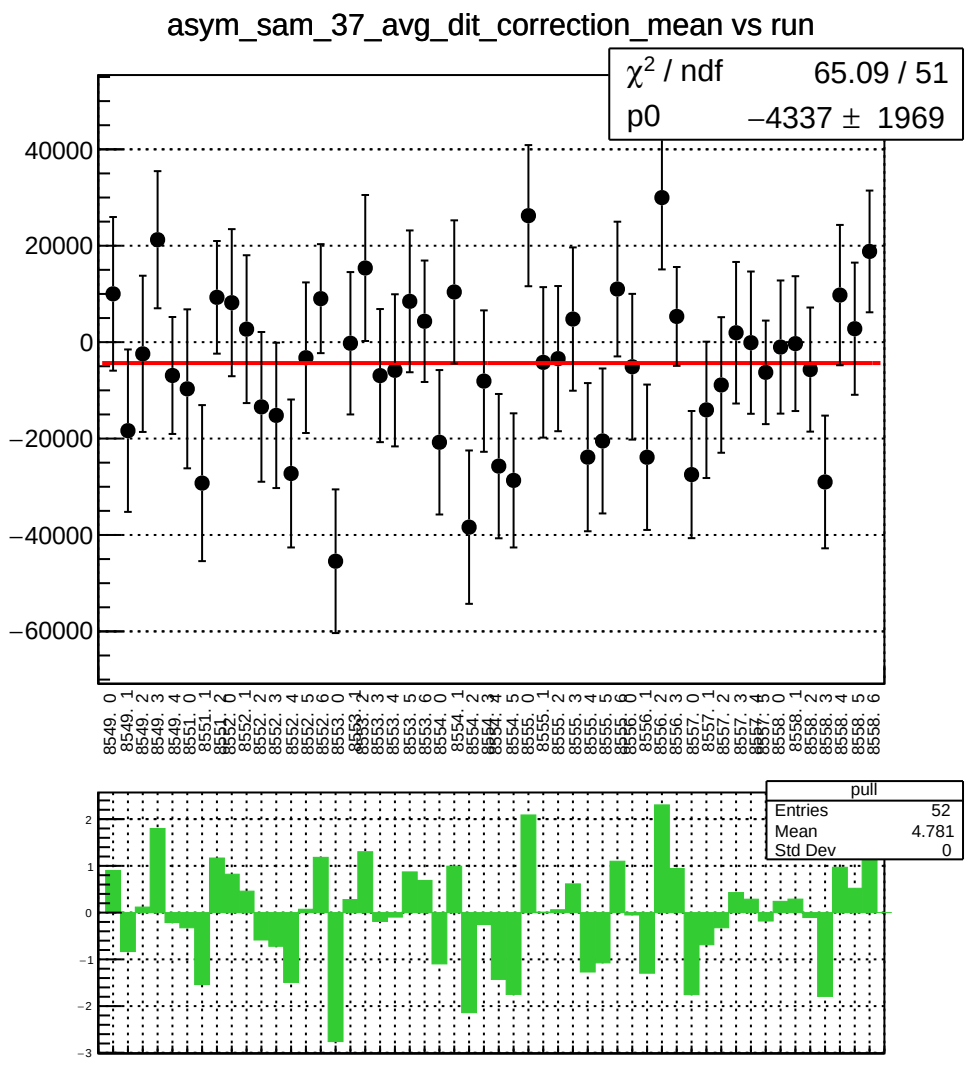
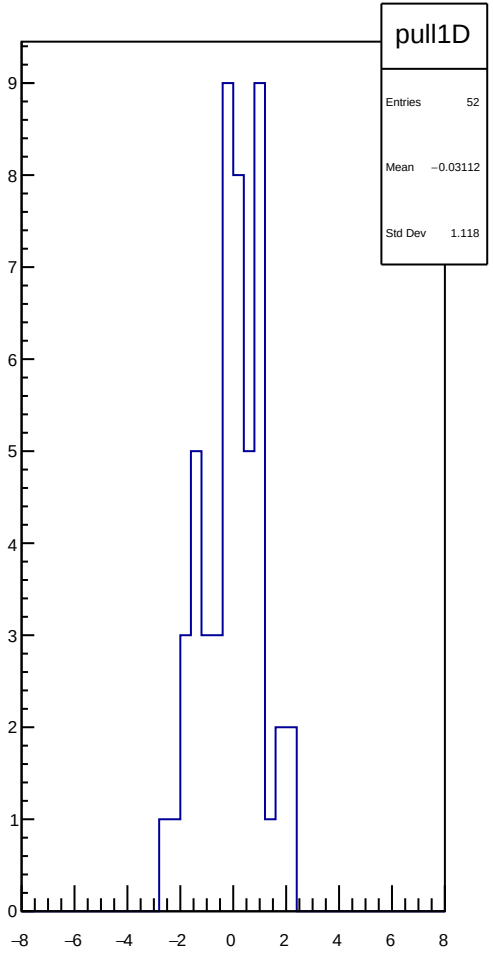
8558. 3
8558. 4
8558. 5
8558. 6

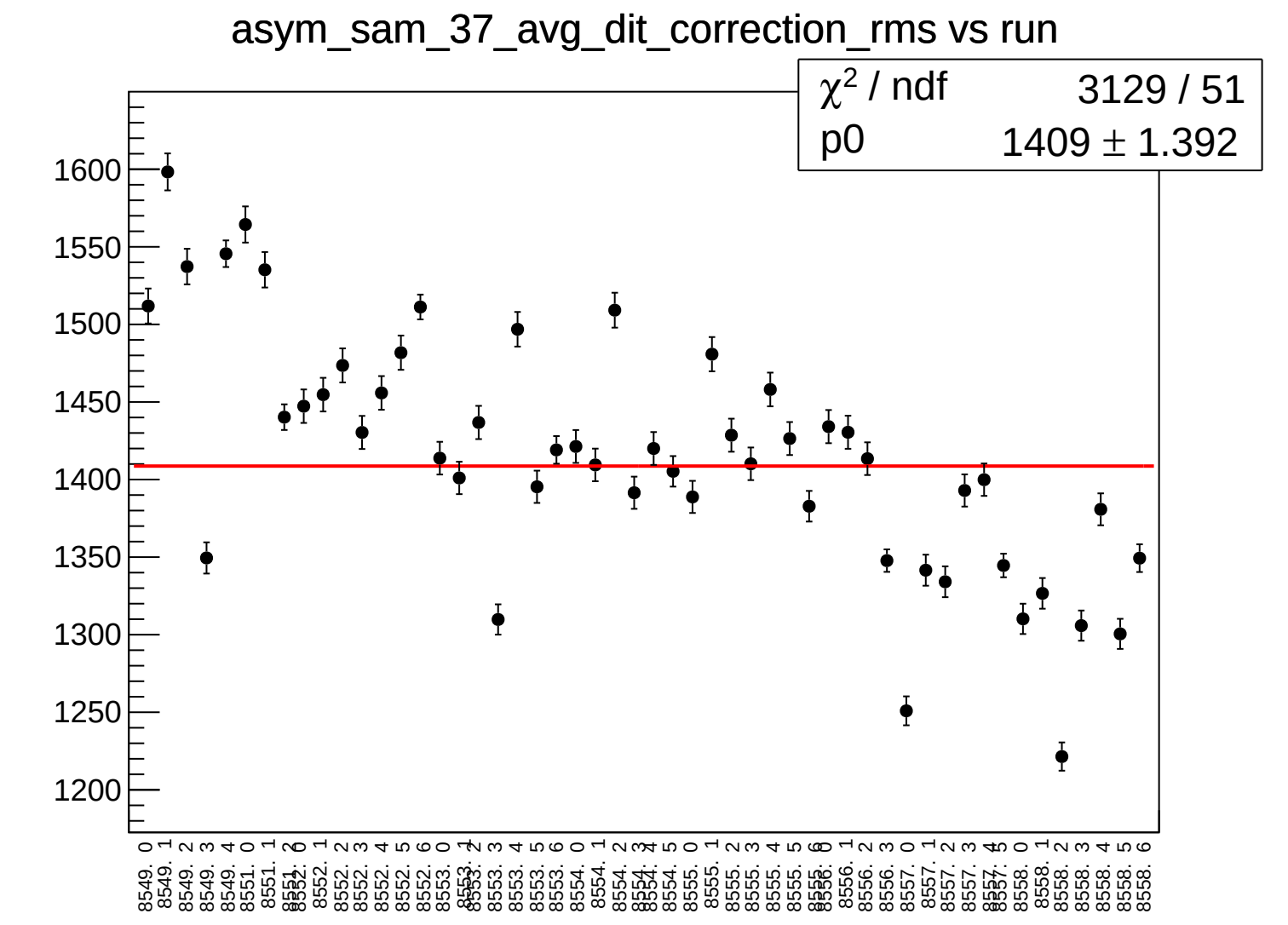

dit_asym_sam_37_avg_mean vs run
χ² / ndf 59.65 / 51
p0 238 ± 203
pull
Entries 52
Mean −79.65
Std Dev 0


pull1D
Entries 52
Mean 0.02774
Std Dev 1.071


dit_asym_sam_37_avg_rms vs run
χ² / ndf 1.43e+04 / 51
p0 144.4 ± 0.1435
240
220
200
180
160
140
120
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 5
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6


asym_sam_37_avg_dit_correction_mean vs run
χ² / ndf 65.09 / 51
p0 −4337 ± 1969
pull
Entries 52
Mean 4.781
Std Dev 0


pull1D
Entries 52
Mean −0.03112
Std Dev 1.118


asym_sam_37_avg_dit_correction_rms vs run
χ² / ndf 3129 / 51
p0 1409 ± 1.392
1600
1550
1500
1450
1400
1350
1300
1250
1200
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 5
8555. 0
8555. 1
8555. 2
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8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
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8558. 0
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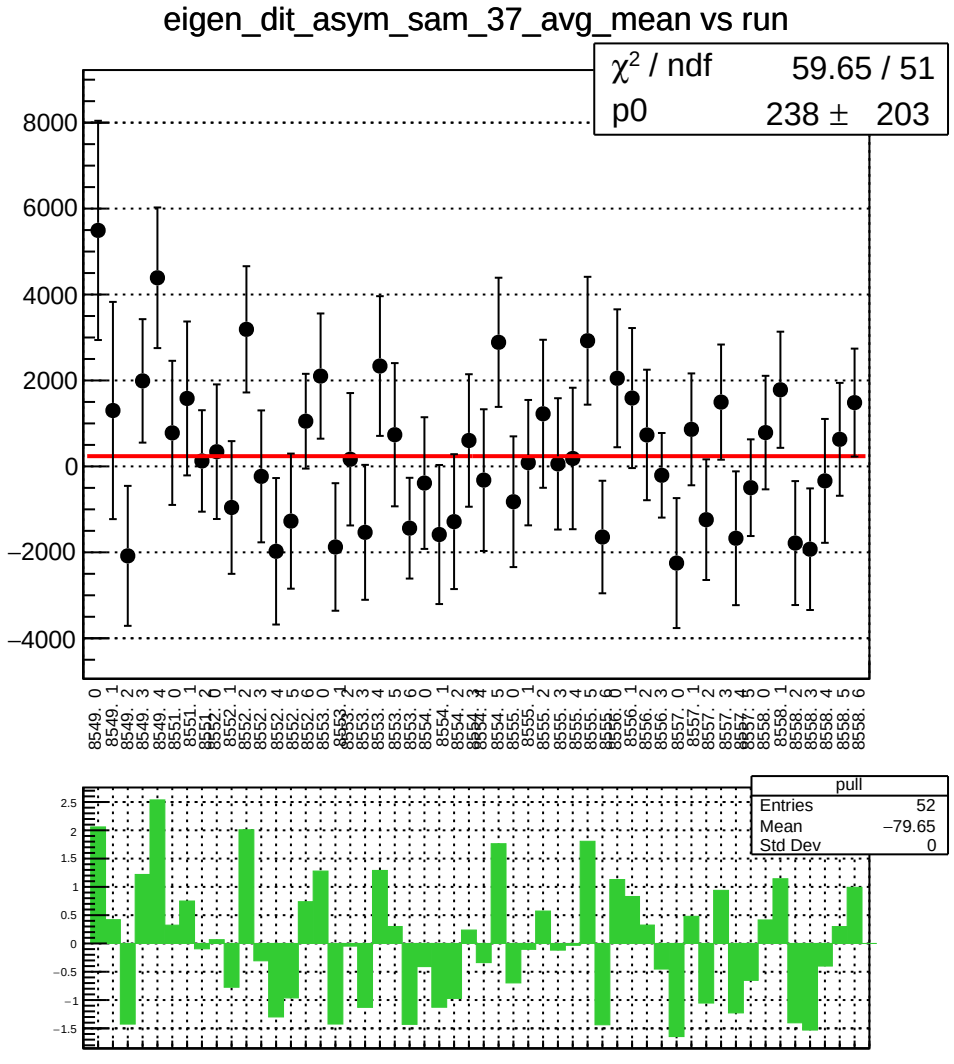
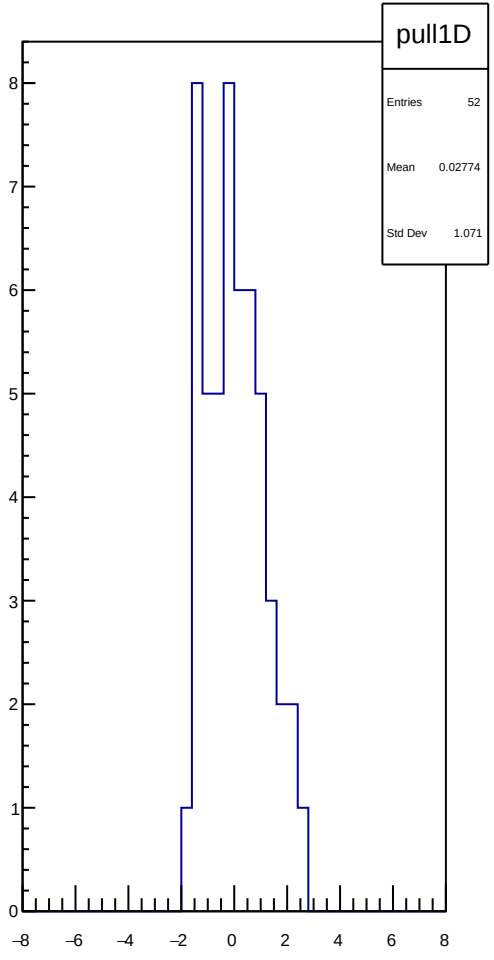
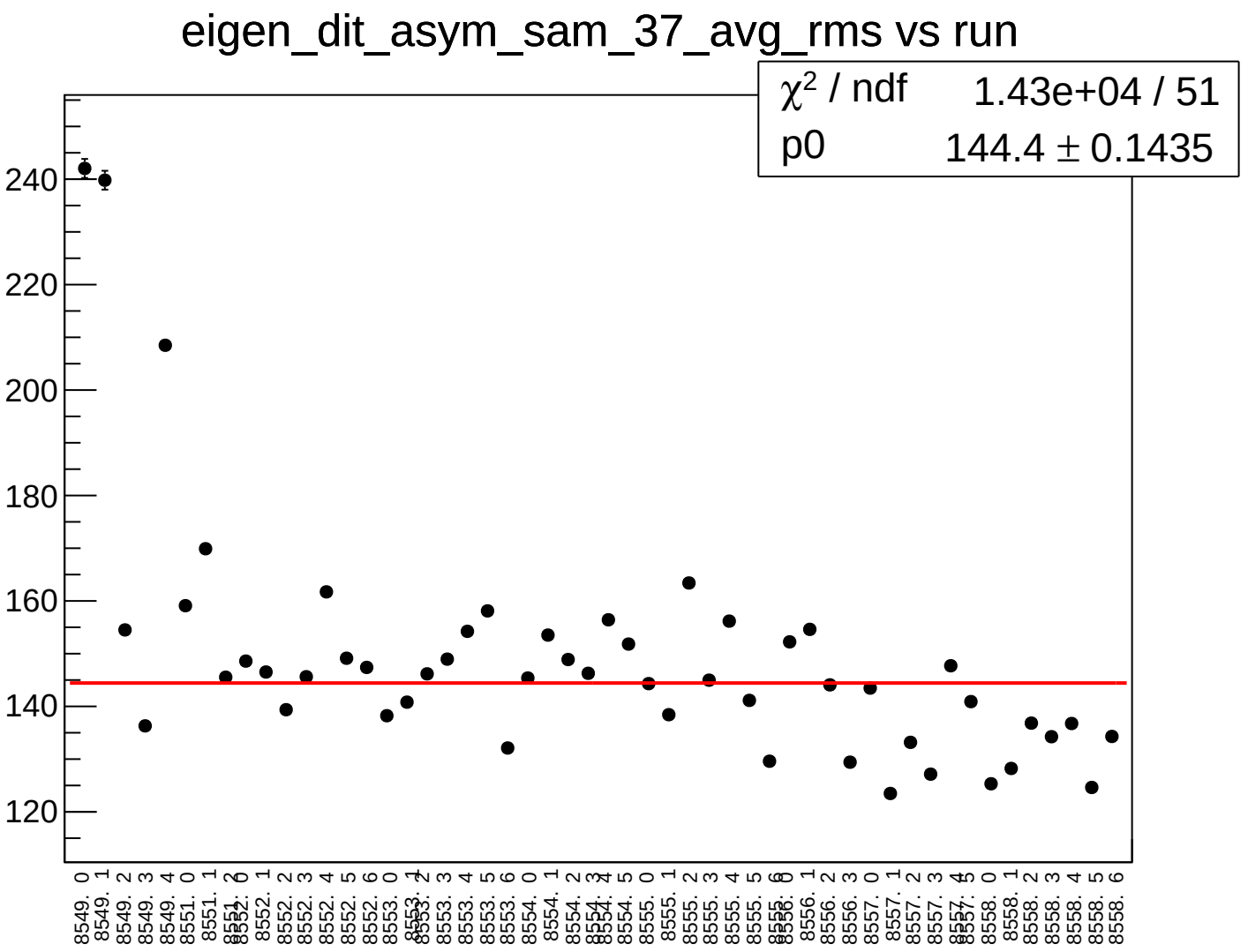
8558. 5
8558. 6


eigen_dit_asym_sam_37_avg_mean vs run
χ² / ndf 59.65 / 51
p0 238 ± 203
pull
Entries 52
Mean −79.65
Std Dev 0


pull1D
Entries 52
Mean 0.02774
Std Dev 1.071


eigen_dit_asym_sam_37_avg_rms vs run
χ² / ndf 1.43e+04 / 51
p0 144.4 ± 0.1435
240
220
200
180
160
140
120
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 2
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 5
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
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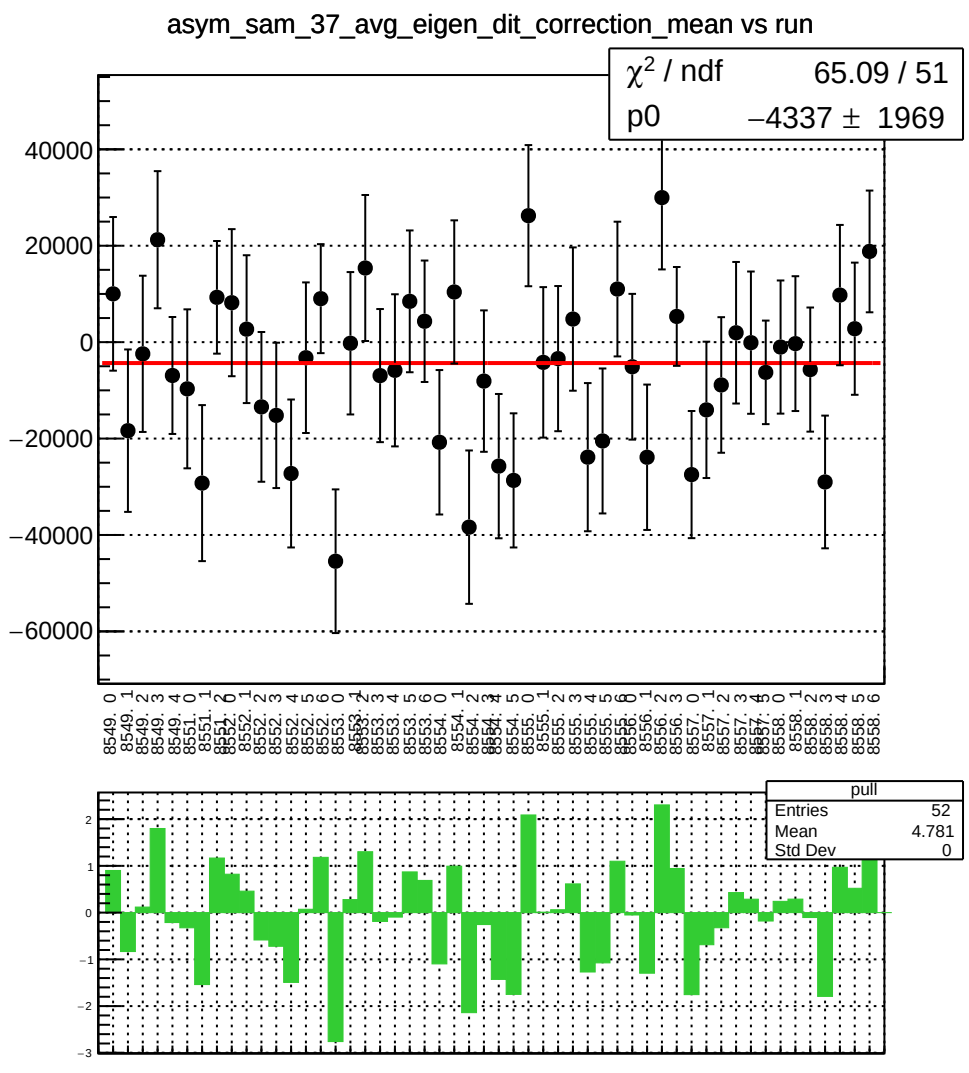
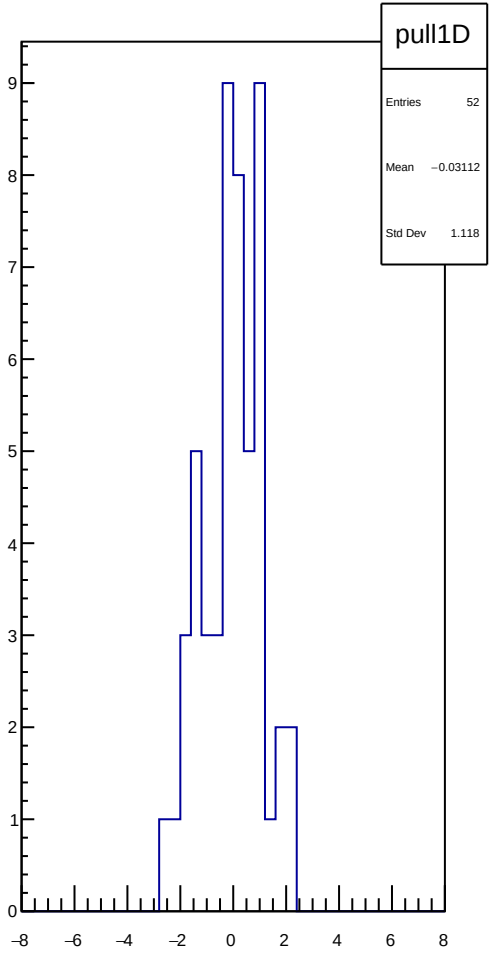
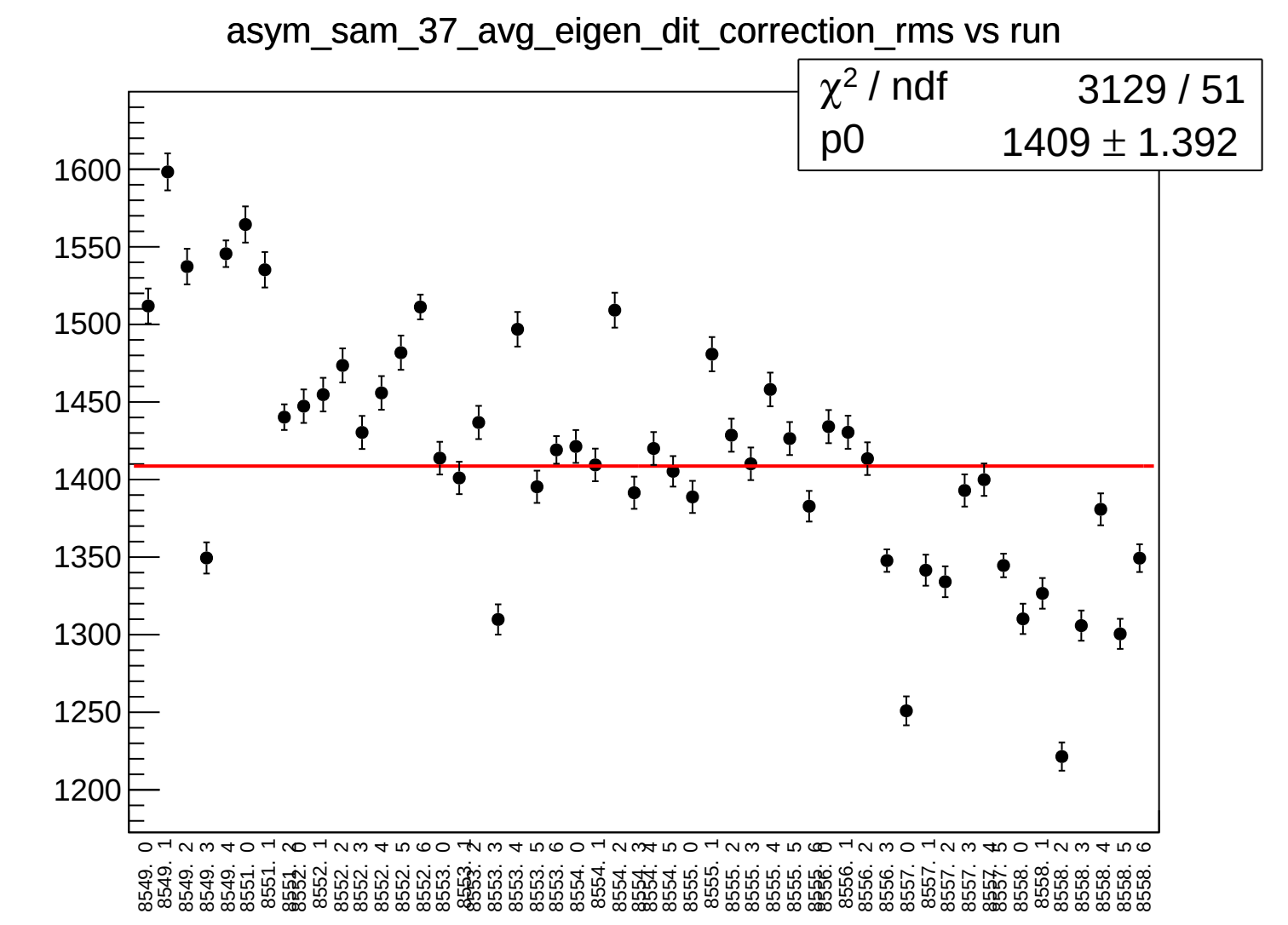
8558. 5
8558. 6


asym_sam_37_avg_eigen_dit_correction_mean vs run
χ² / ndf 65.09 / 51
p0 −4337 ± 1969
40000
20000
0
−20000
−40000
−60000
pull
Entries 52
Mean 4.781
Std Dev 0
2
1
0
−1
−2
−3


pull1D
Entries 52
Mean −0.03112
Std Dev 1.118
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 3129 / 51
p0 1409 ± 1.392
1600
1550
1500
1450
1400
1350
1300
1250
1200
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 5
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
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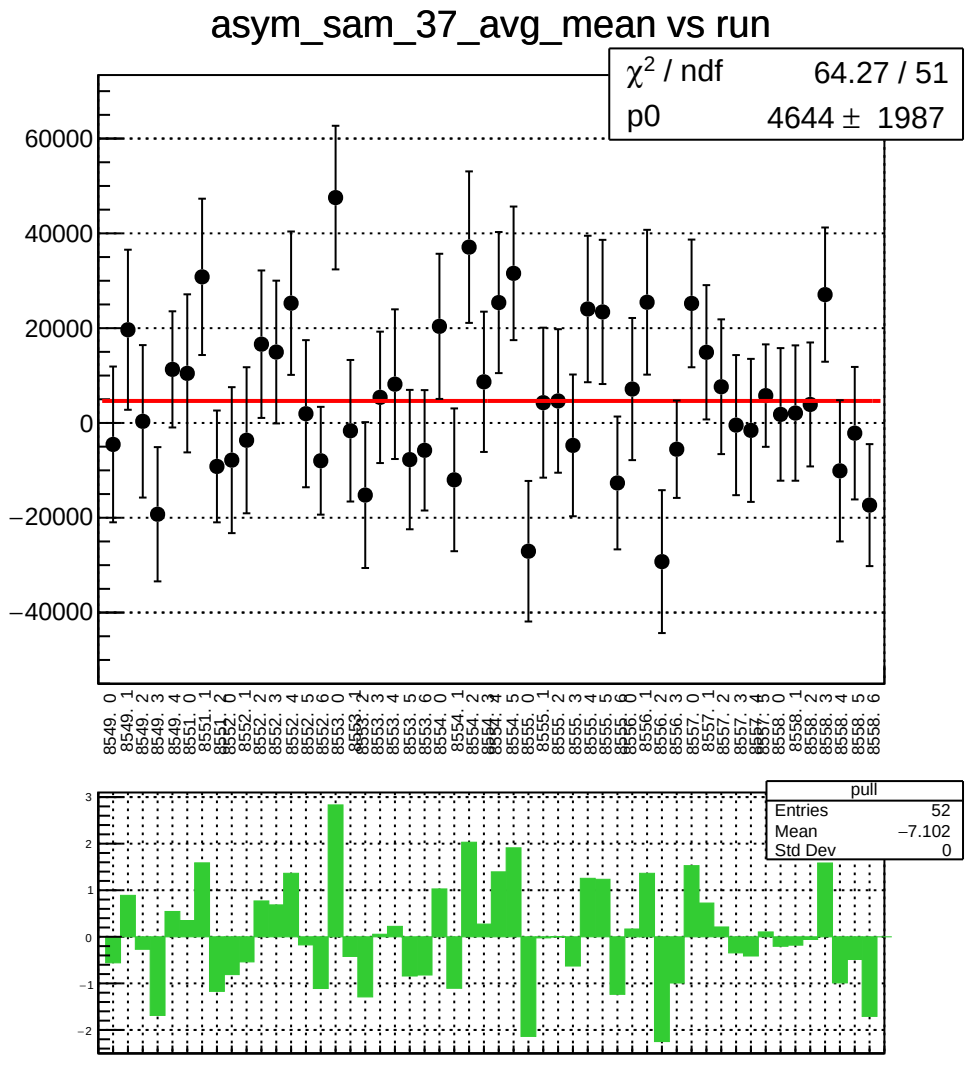
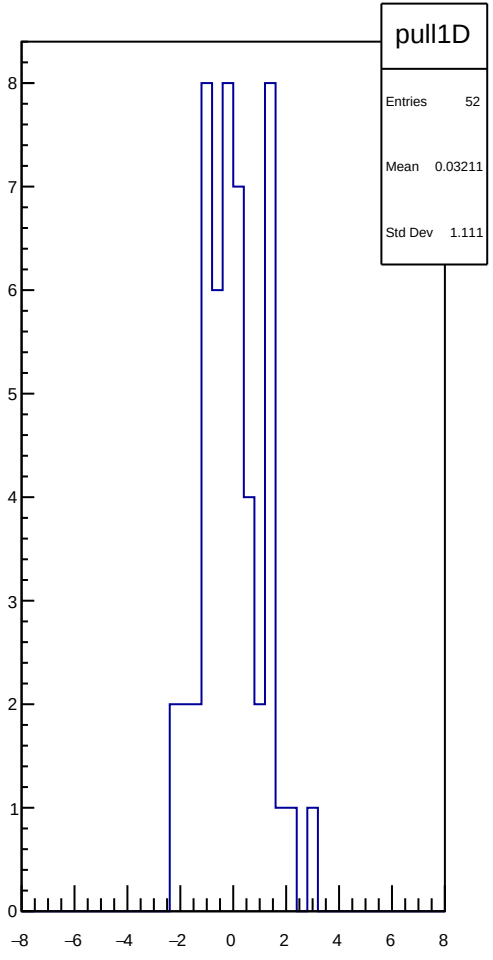
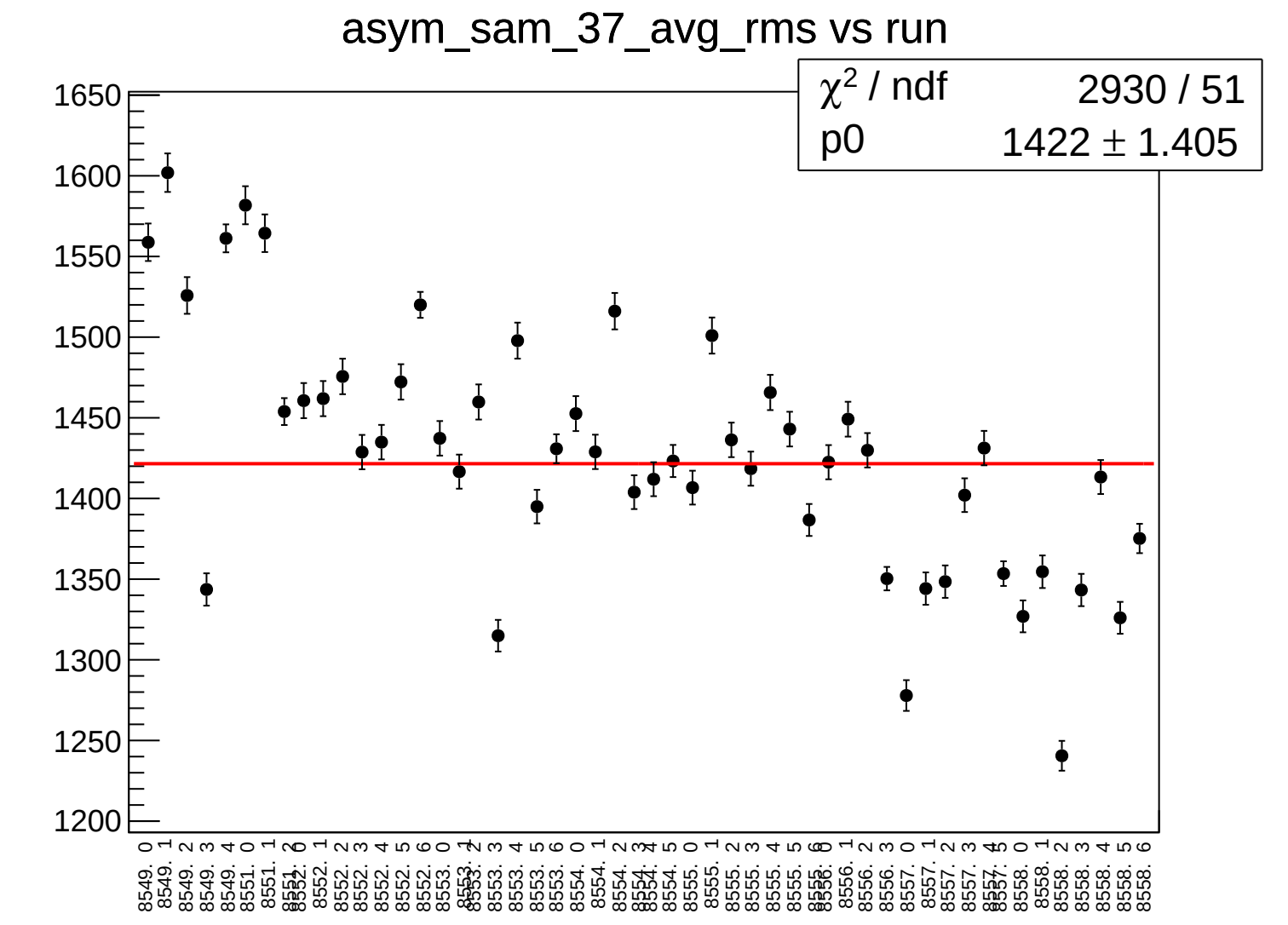
8558. 5
8558. 6


asym_sam_37_avg_mean vs run
χ² / ndf 64.27 / 51
p0 4644 ± 1987
pull
Entries 52
Mean −7.102
Std Dev 0


pull1D
Entries 52
Mean 0.03211
Std Dev 1.111


asym_sam_37_avg_rms vs run
χ² / ndf 2930 / 51
p0 1422 ± 1.405
1650
1600
1550
1500
1450
1400
1350
1300
1250
1200
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 5
8555. 0
8555. 1
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8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
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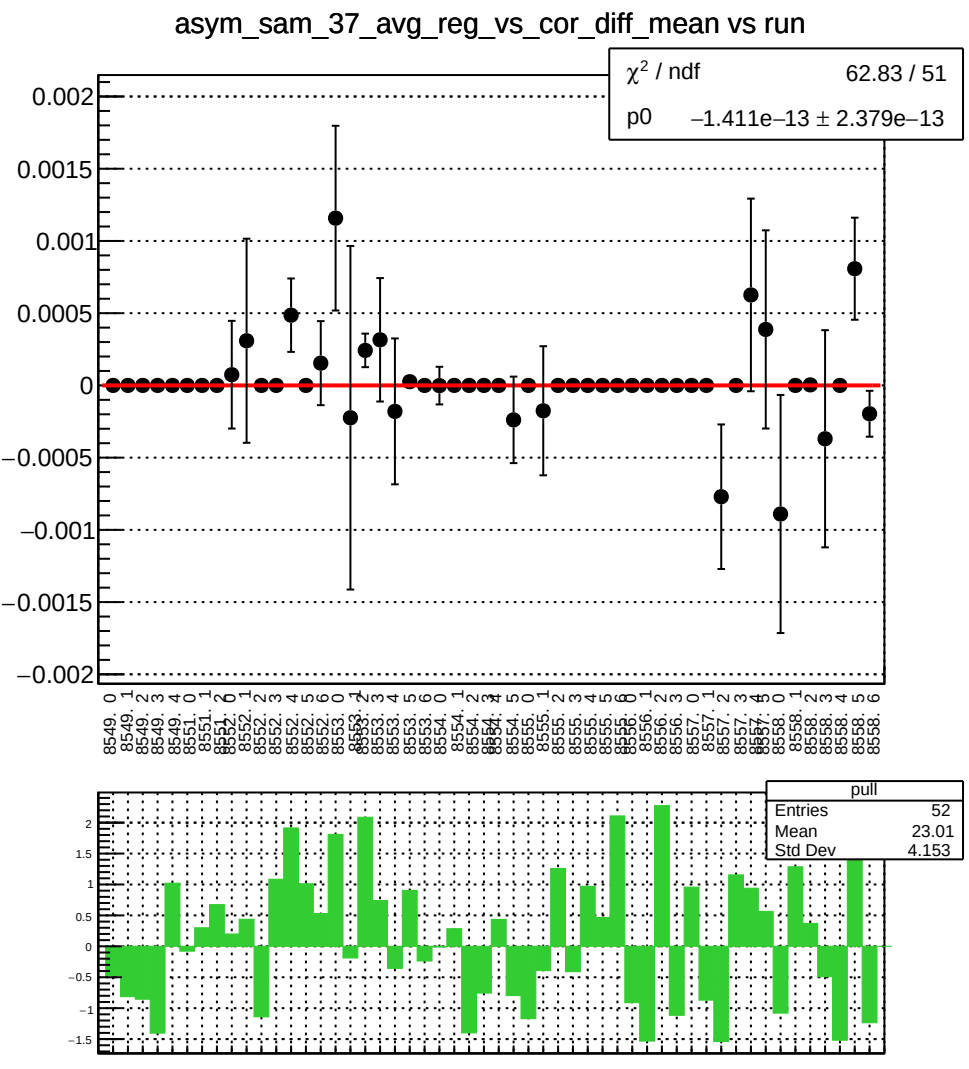
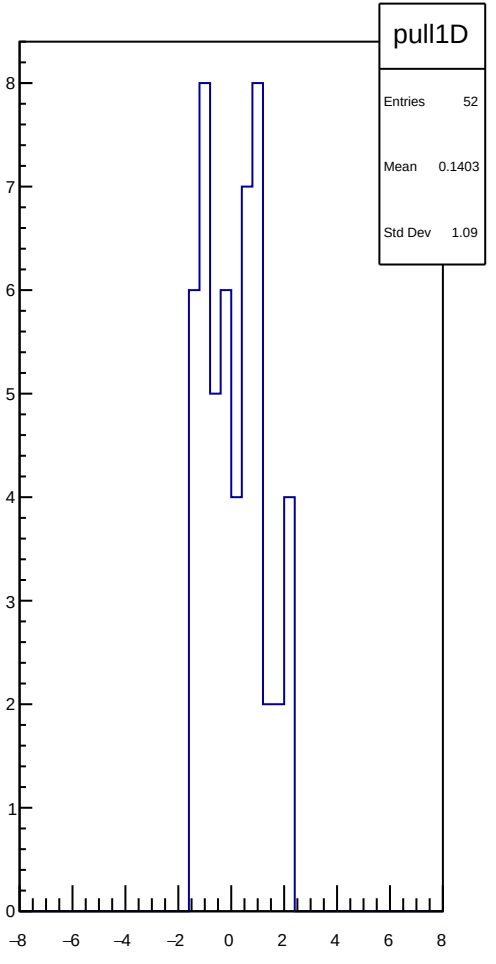
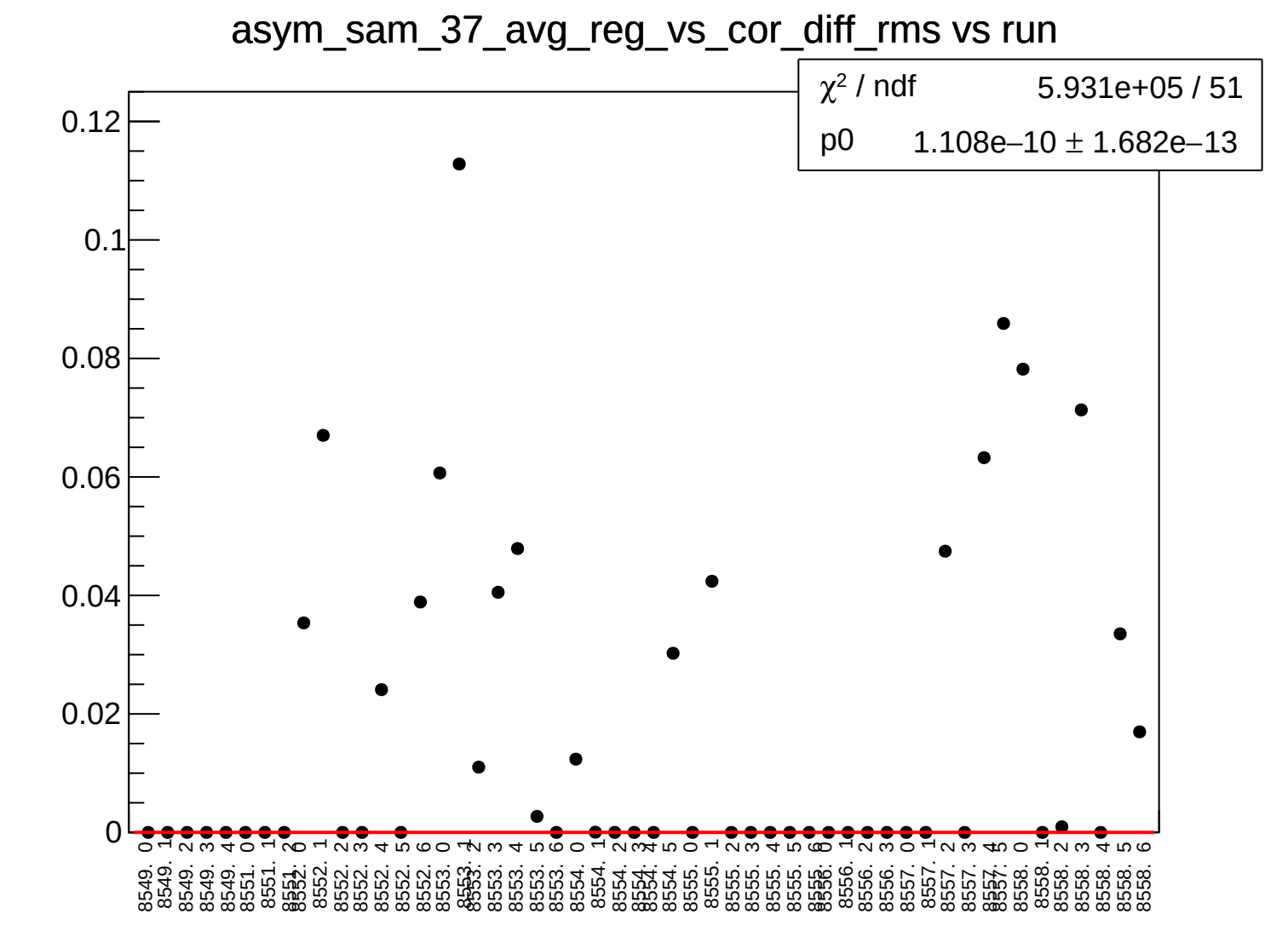
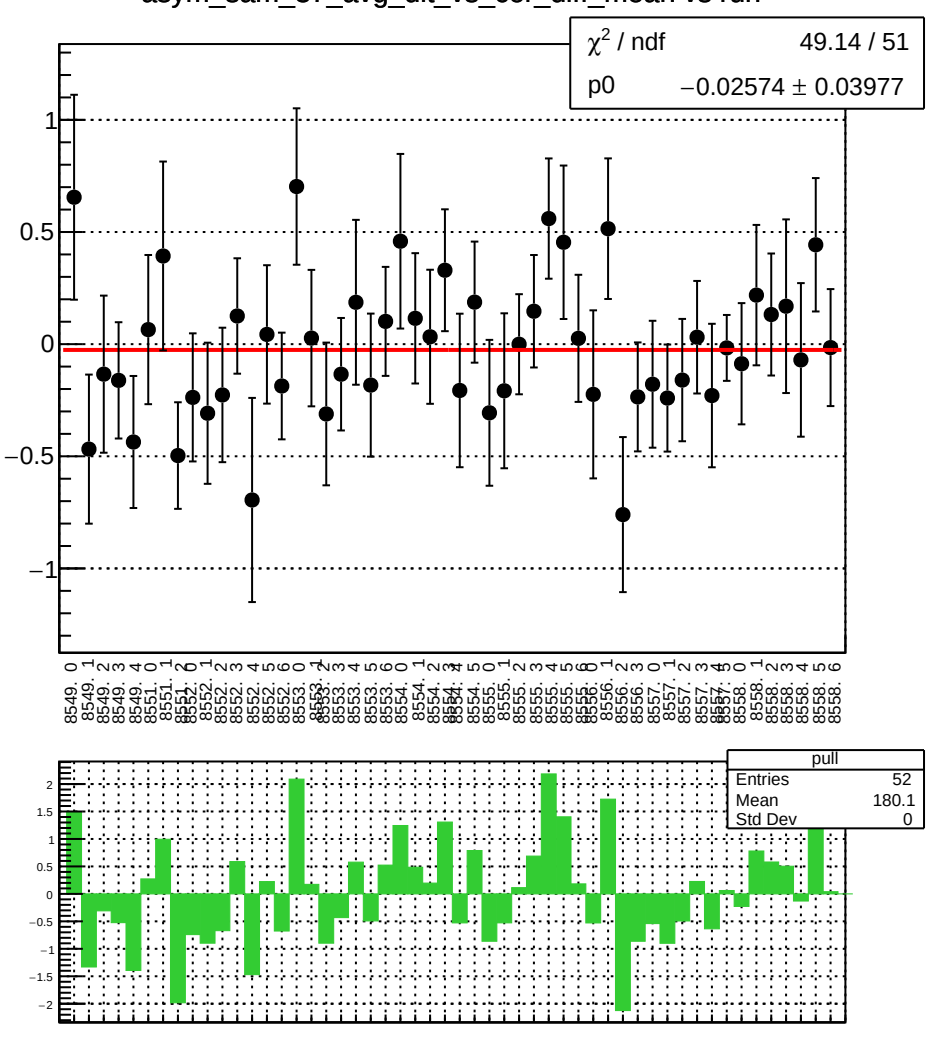
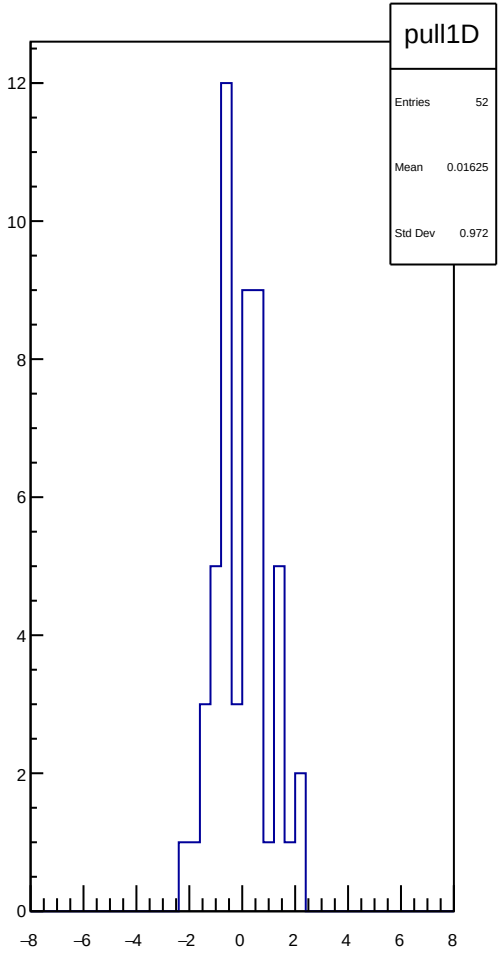
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

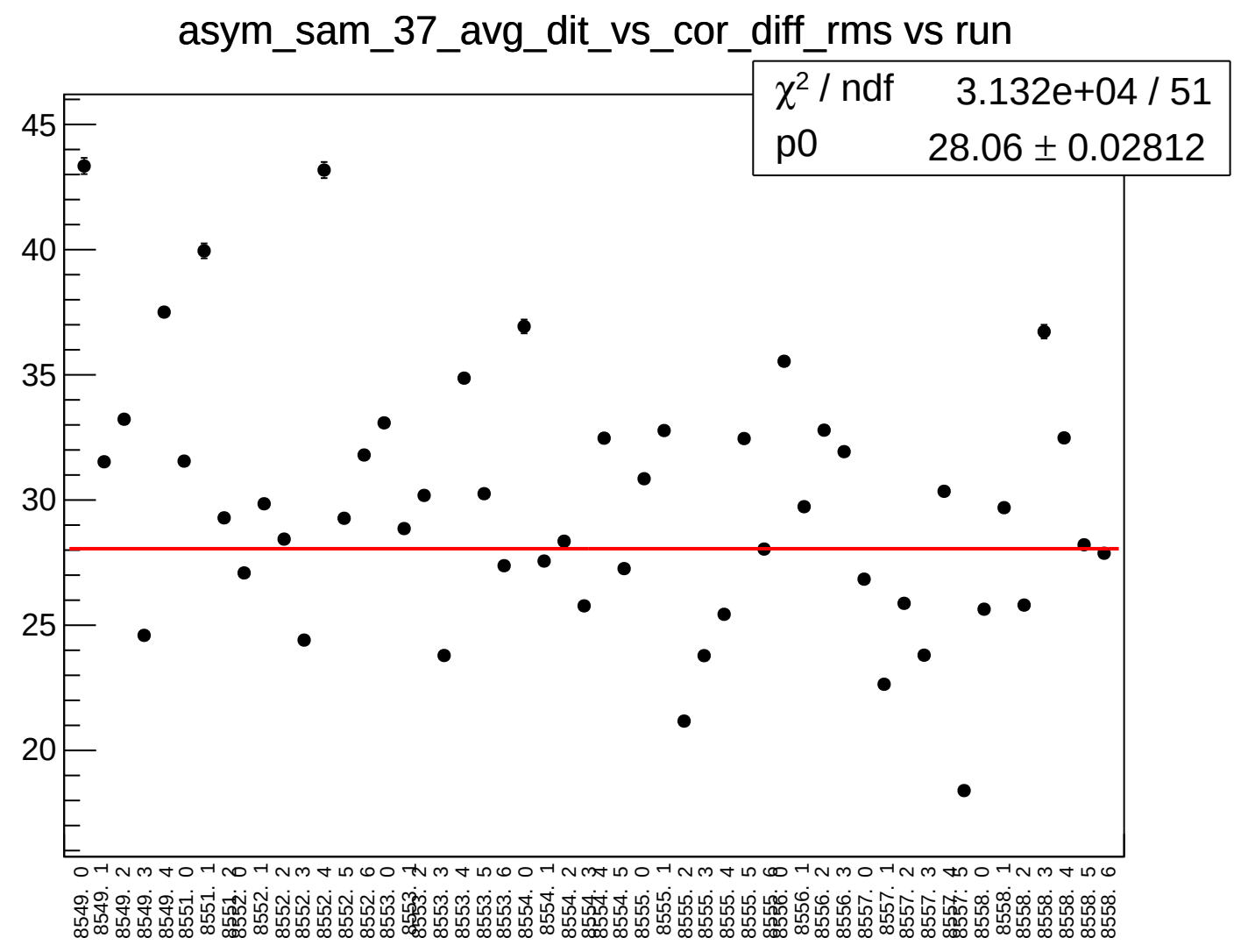

asym_sam_37_avg_reg_vs_cor_diff_mean vs run
χ² / ndf 62.83 / 51
p0 −1.411e−13 ± 2.379e−13
pull
Entries 52
Mean 23.01
Std Dev 4.153


pull1D
Entries 52
Mean 0.1403
Std Dev 1.09


asym_sam_37_avg_reg_vs_cor_diff_rms vs run
χ² / ndf 5.931e+05 / 51
p0 1.108e−10 ± 1.682e−13
0.12
0.1
0.08
0.06
0.04
0.02
0


asym_sam_37_avg_dit_vs_cor_diff_mean vs run
χ² / ndf 49.14 / 51
p0 −0.02574 ± 0.03977
pull
Entries 52
Mean 180.1
Std Dev 0


pull1D
Entries 52
Mean 0.01625
Std Dev 0.972


asym_sam_37_avg_dit_vs_cor_diff_rms vs run
χ² / ndf 3.132e+04 / 51
p0 28.06 ± 0.02812
45
40
35
30
25
20
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
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8556. 1
8556. 2
8556. 3
8557. 0
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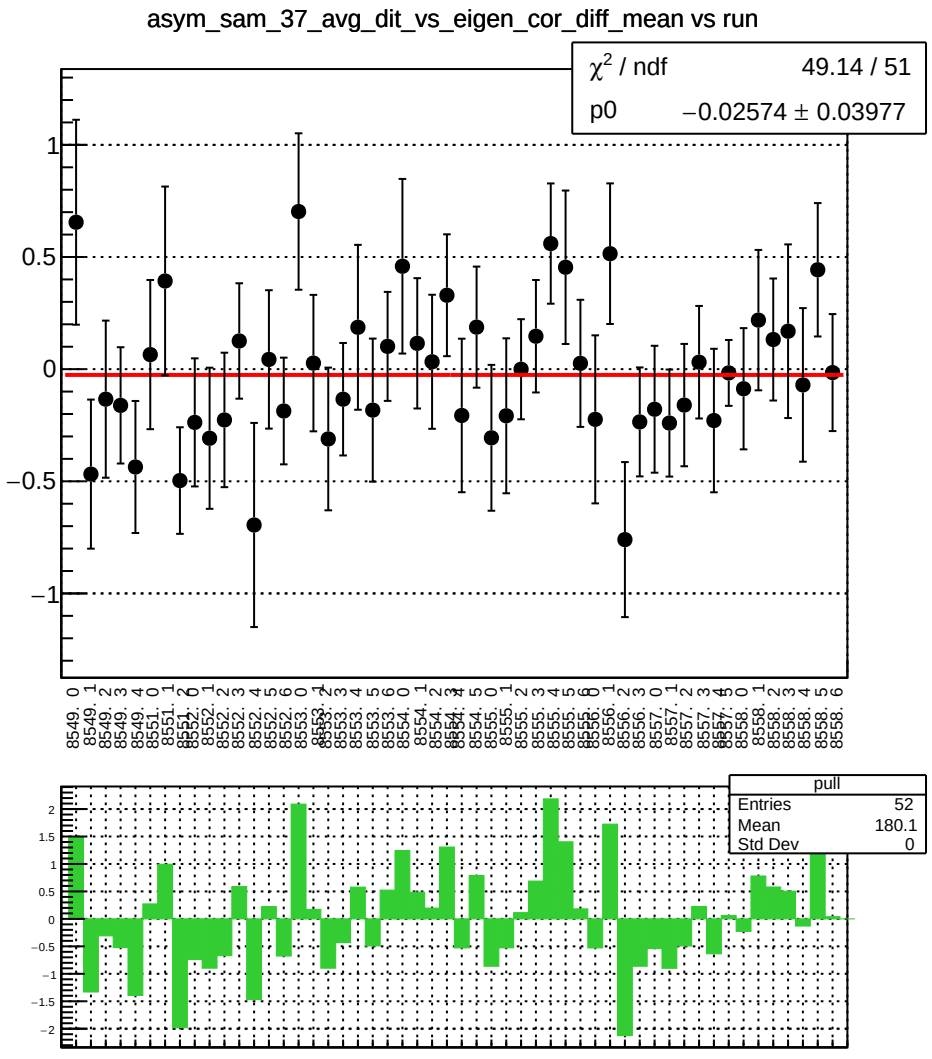
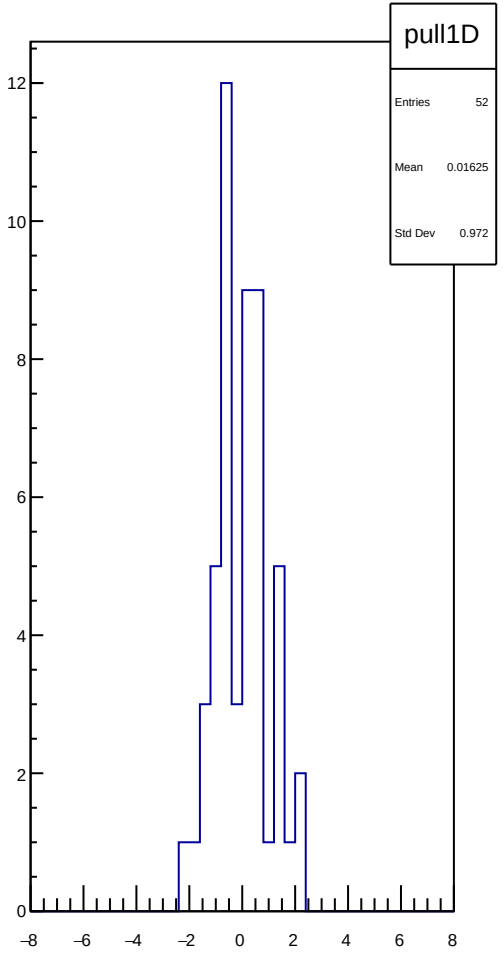
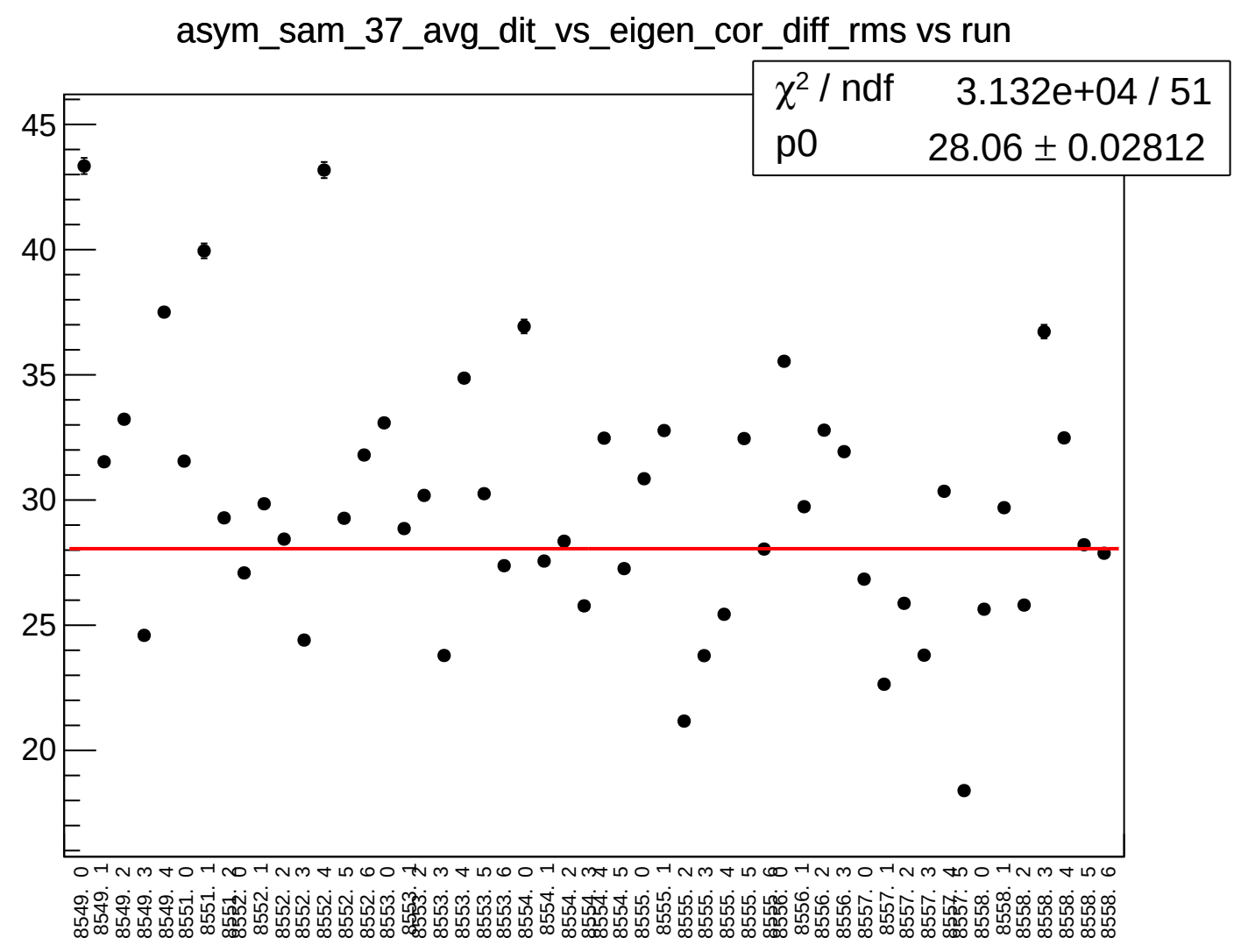
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6


asym_sam_37_avg_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 49.14 / 51
p0 −0.02574 ± 0.03977
pull
Entries 52
Mean 180.1
Std Dev 0


pull1D
Entries 52
Mean 0.01625
Std Dev 0.972


asym_sam_37_avg_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 3.132e+04 / 51
p0 28.06 ± 0.02812
45
40
35
30
25
20
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
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8555. 1
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8556. 1
8556. 2
8556. 3
8557. 0
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8557. 3
8558. 0
8558. 1
8558. 2
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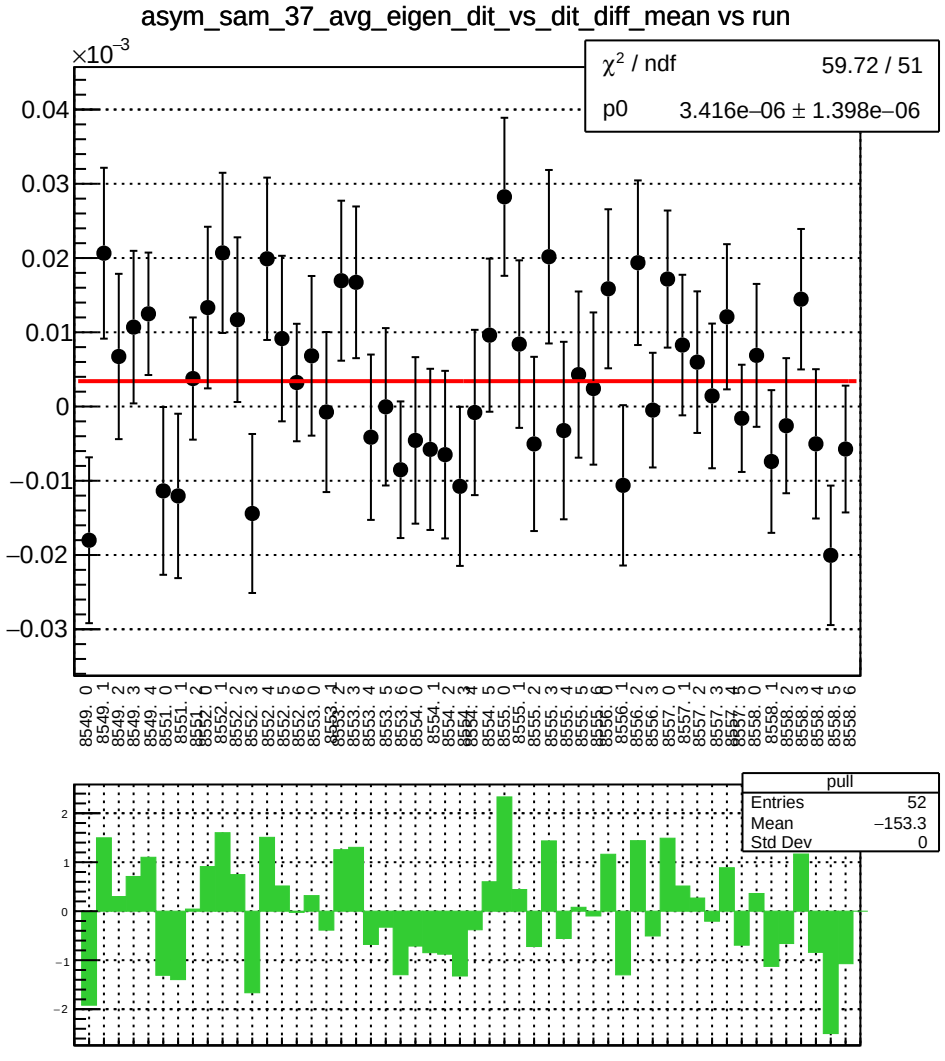
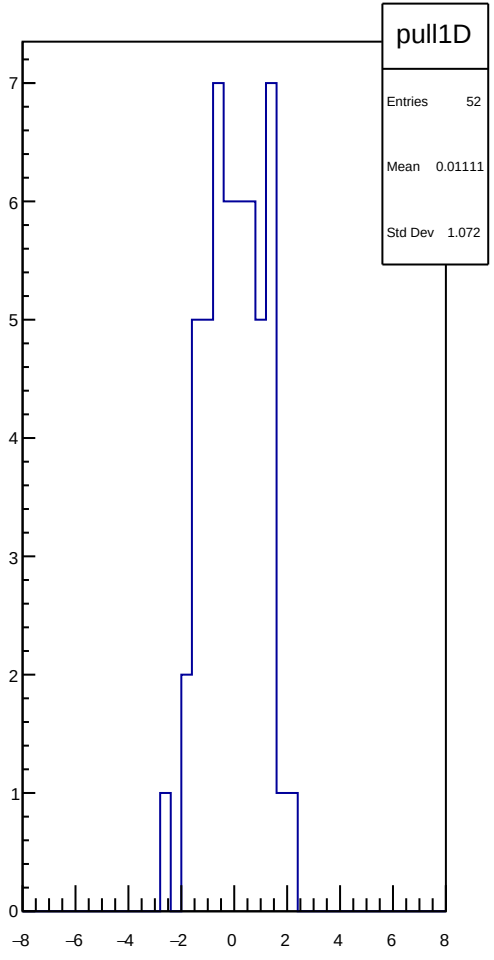
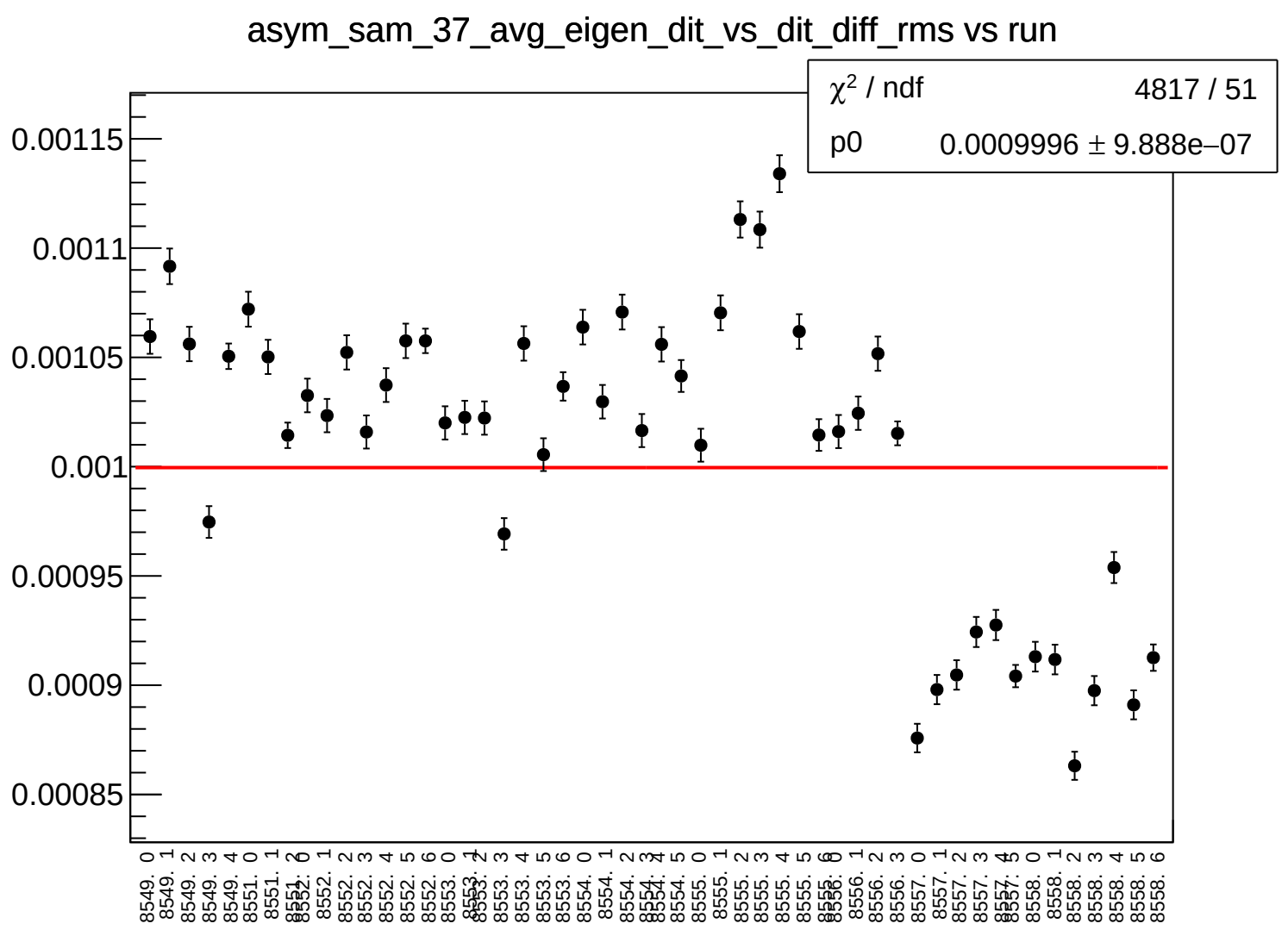
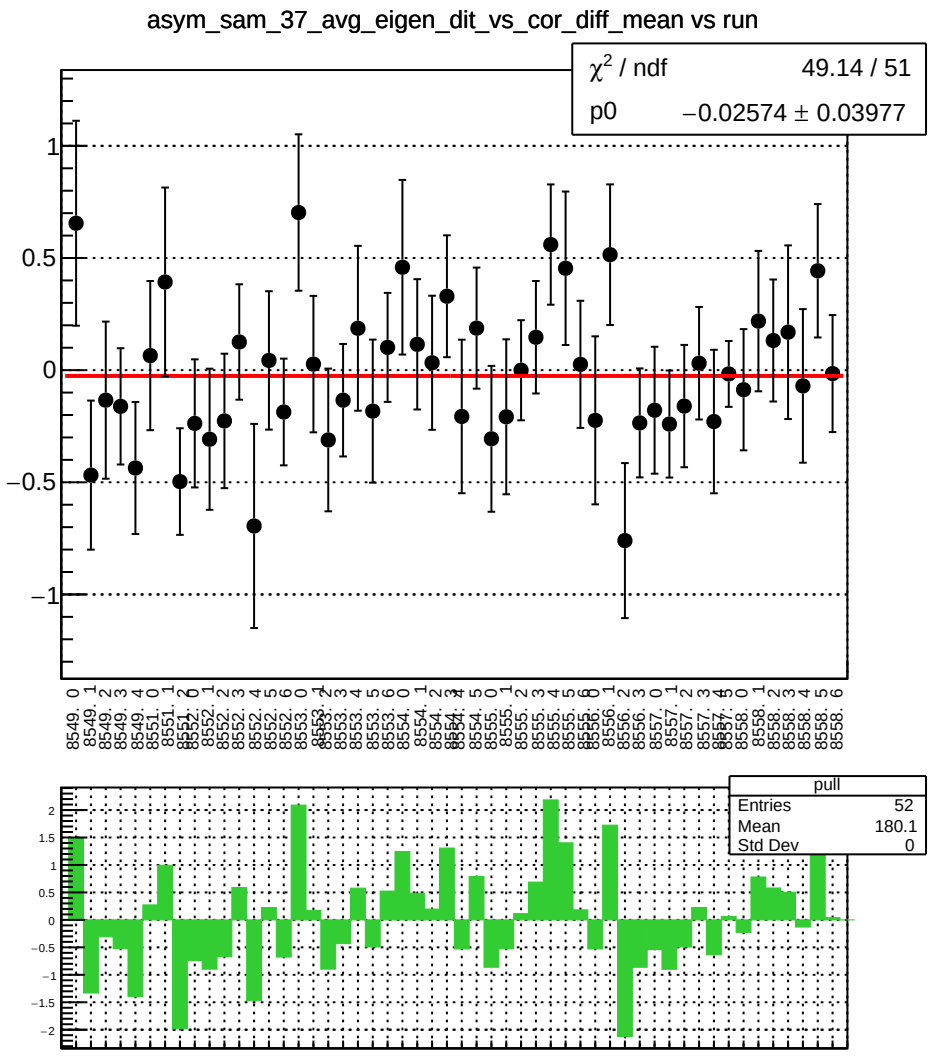
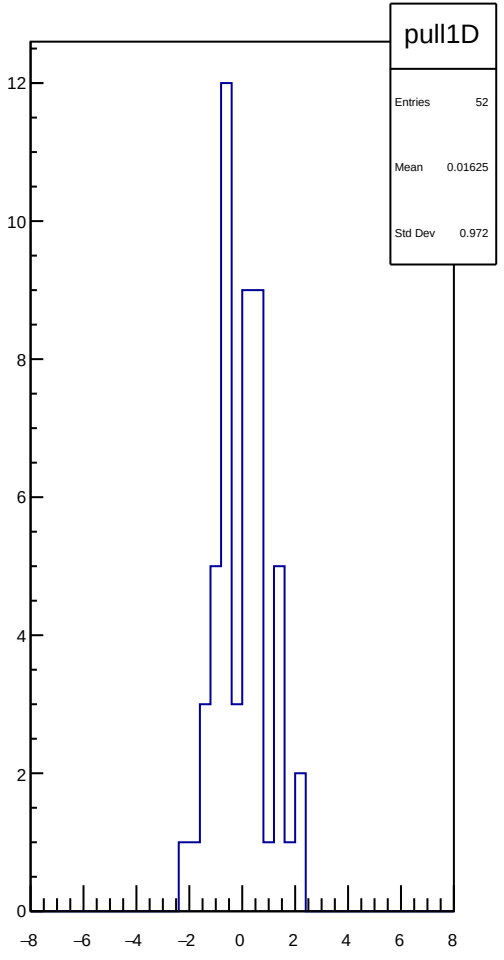
8558. 5
8558. 6

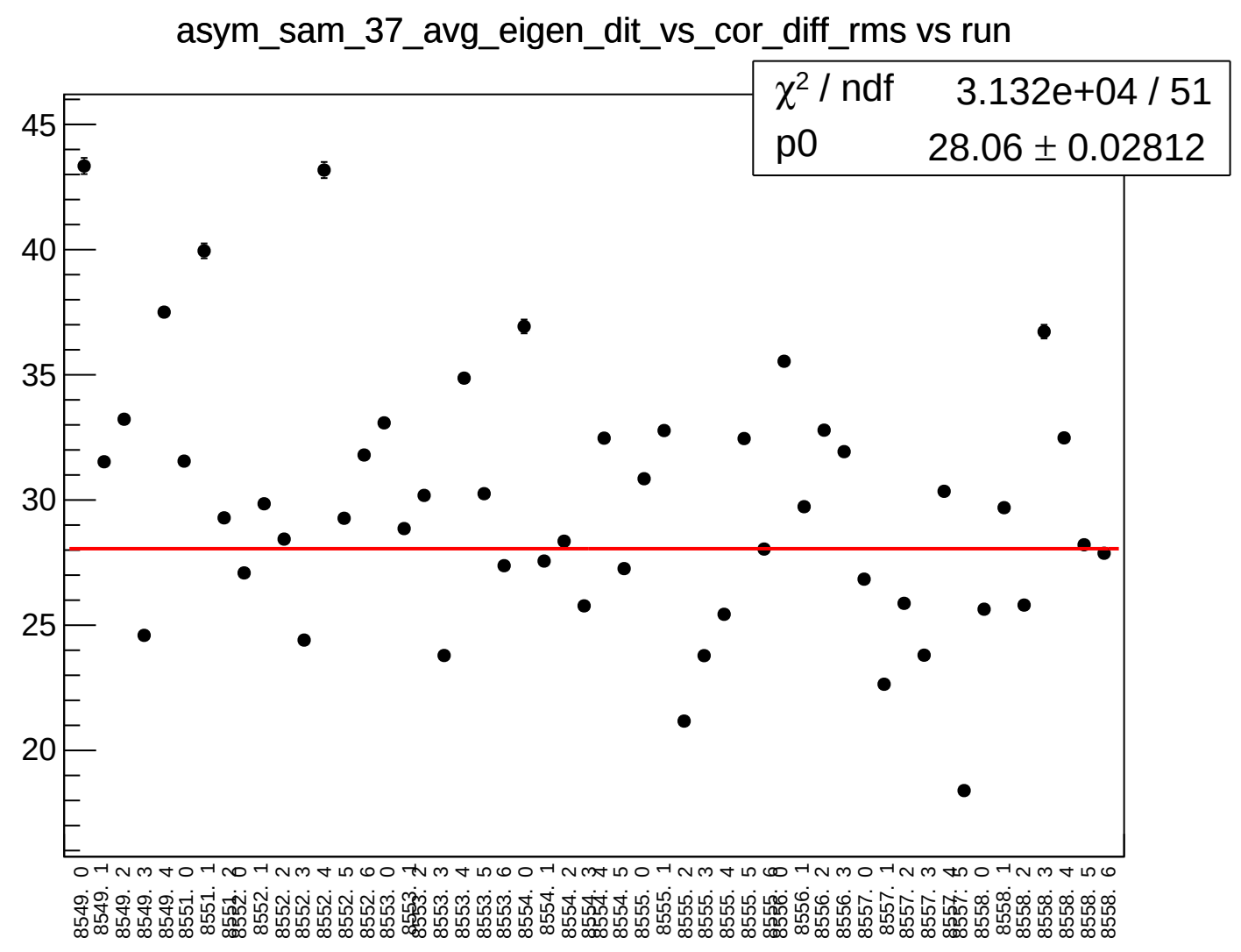

asym_sam_37_avg_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 59.72 / 51
p0 3.416e−06 ± 1.398e−06
0.04
0.03
0.02
0.01
0
−0.01
−0.02
−0.03
pull
Entries 52
Mean −153.3
Std Dev 0
2
1
0
−1
−2

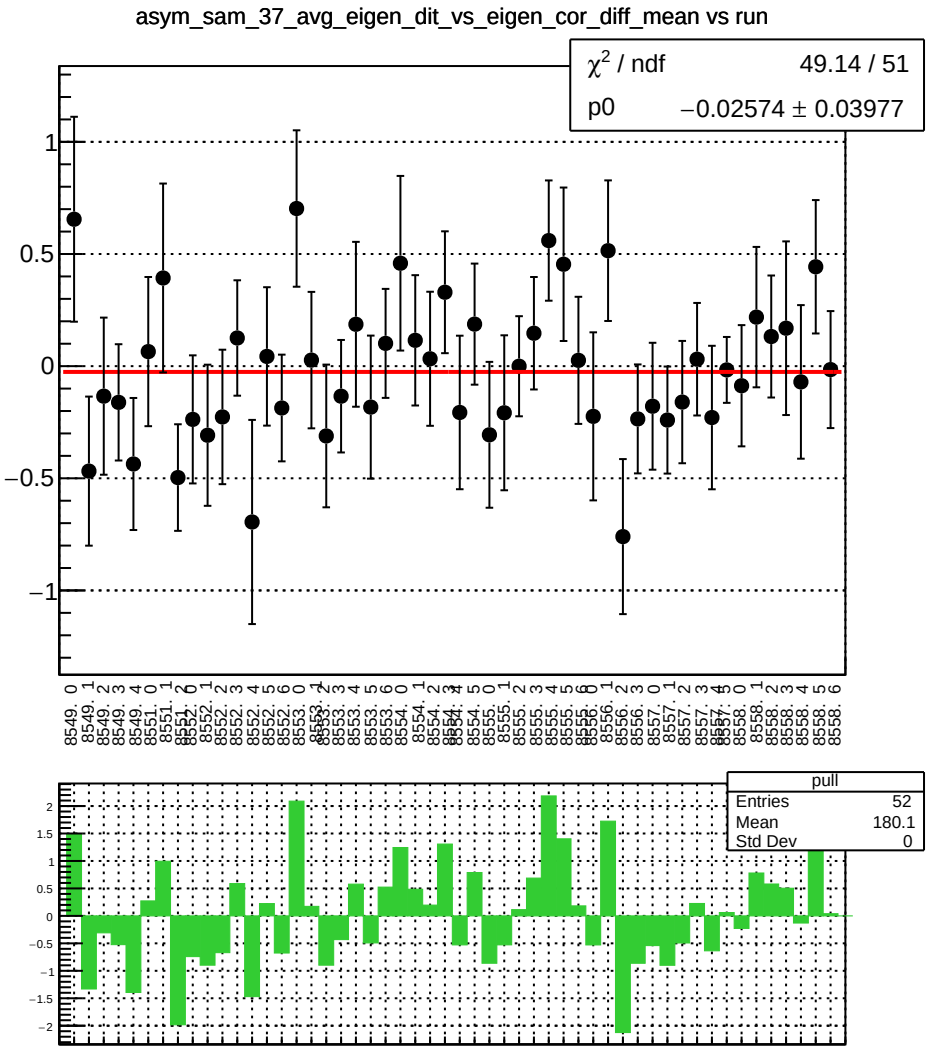

pull1D
Entries 52
Mean 0.01111
Std Dev 1.072
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

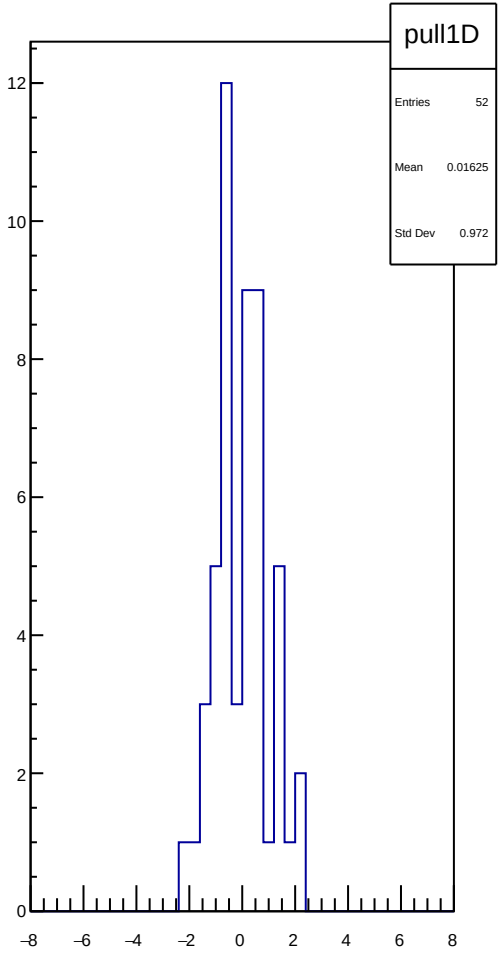

asym_sam_37_avg_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 4817 / 51
p0 0.0009996 ± 9.888e−07
0.00115
0.0011
0.00105
0.001
0.00095
0.0009
0.00085
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

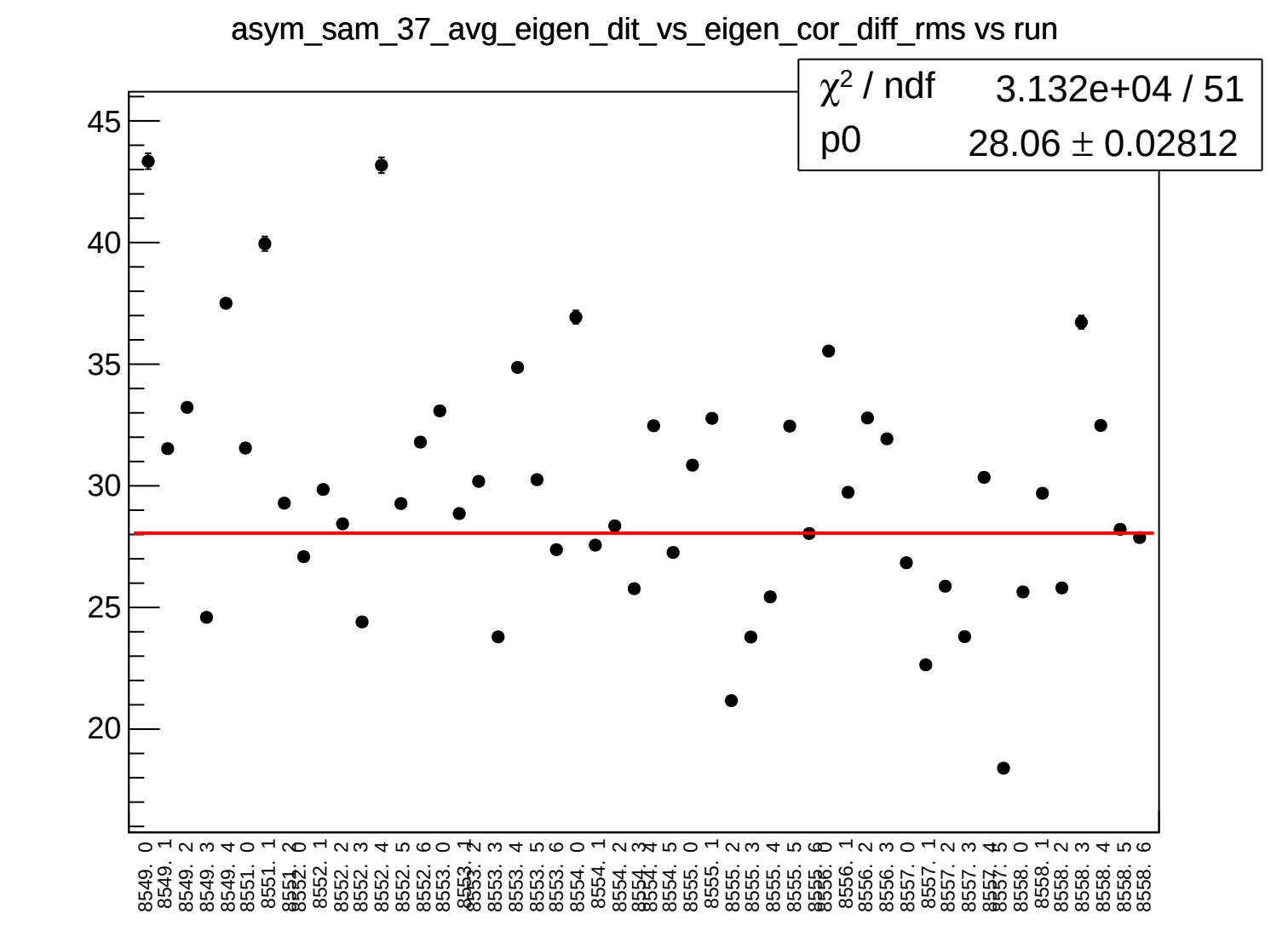

asym_sam_37_avg_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 49.14 / 51
p0 −0.02574 ± 0.03977
pull
Entries 52
Mean 180.1
Std Dev 0

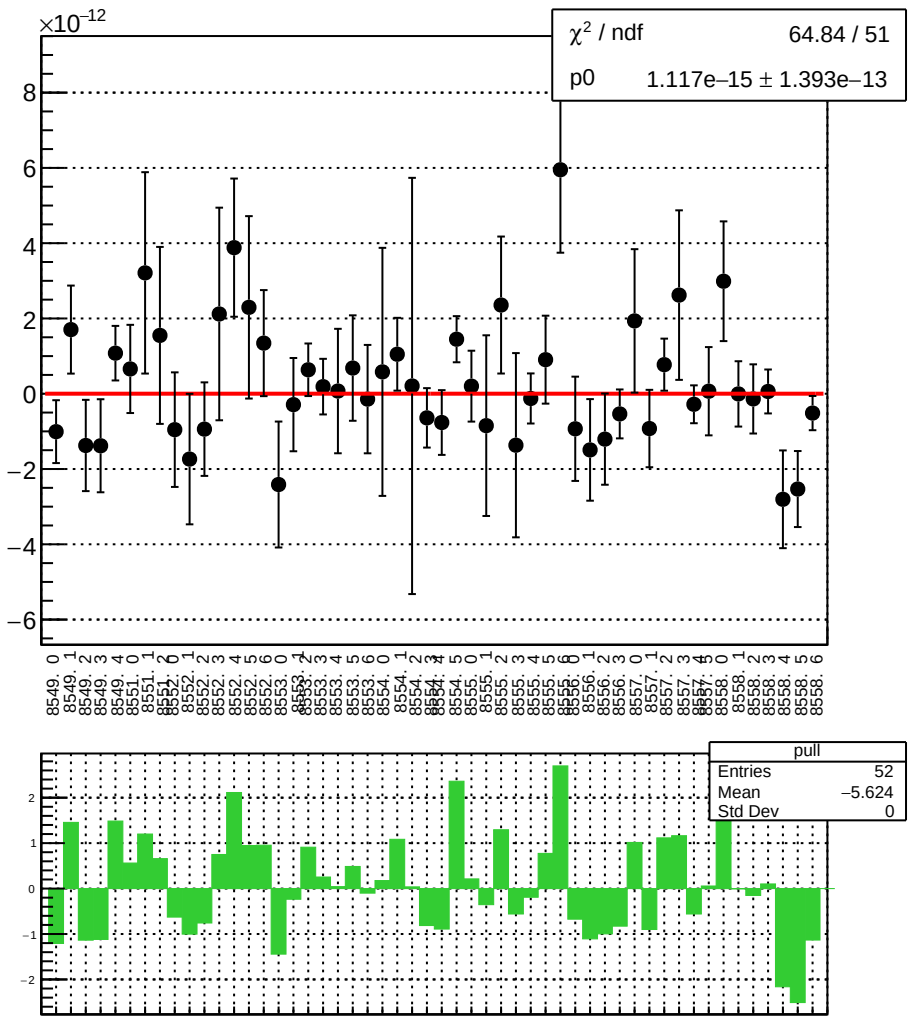

pull1D
Entries 52
Mean 0.01625
Std Dev 0.972

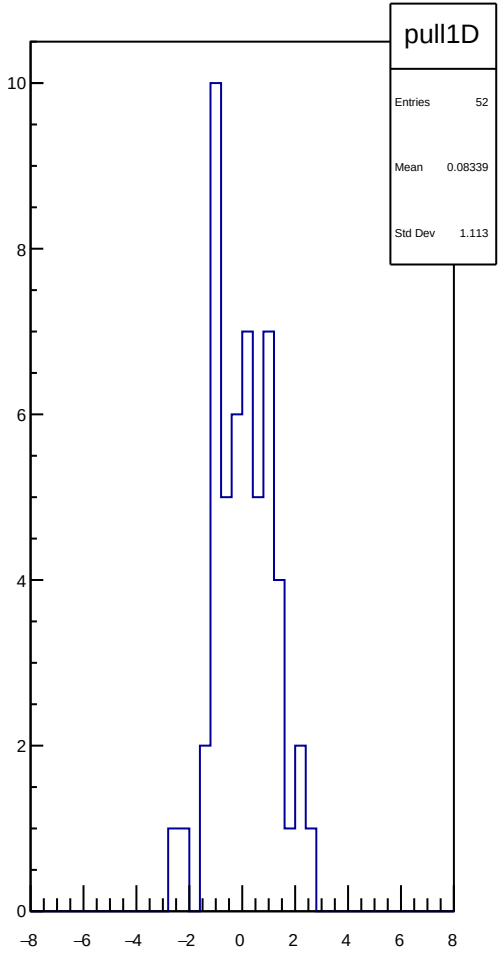

asym_sam_37_avg_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 3.132e+04 / 51
p0 28.06 ± 0.02812
45
40
35
30
25
20
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

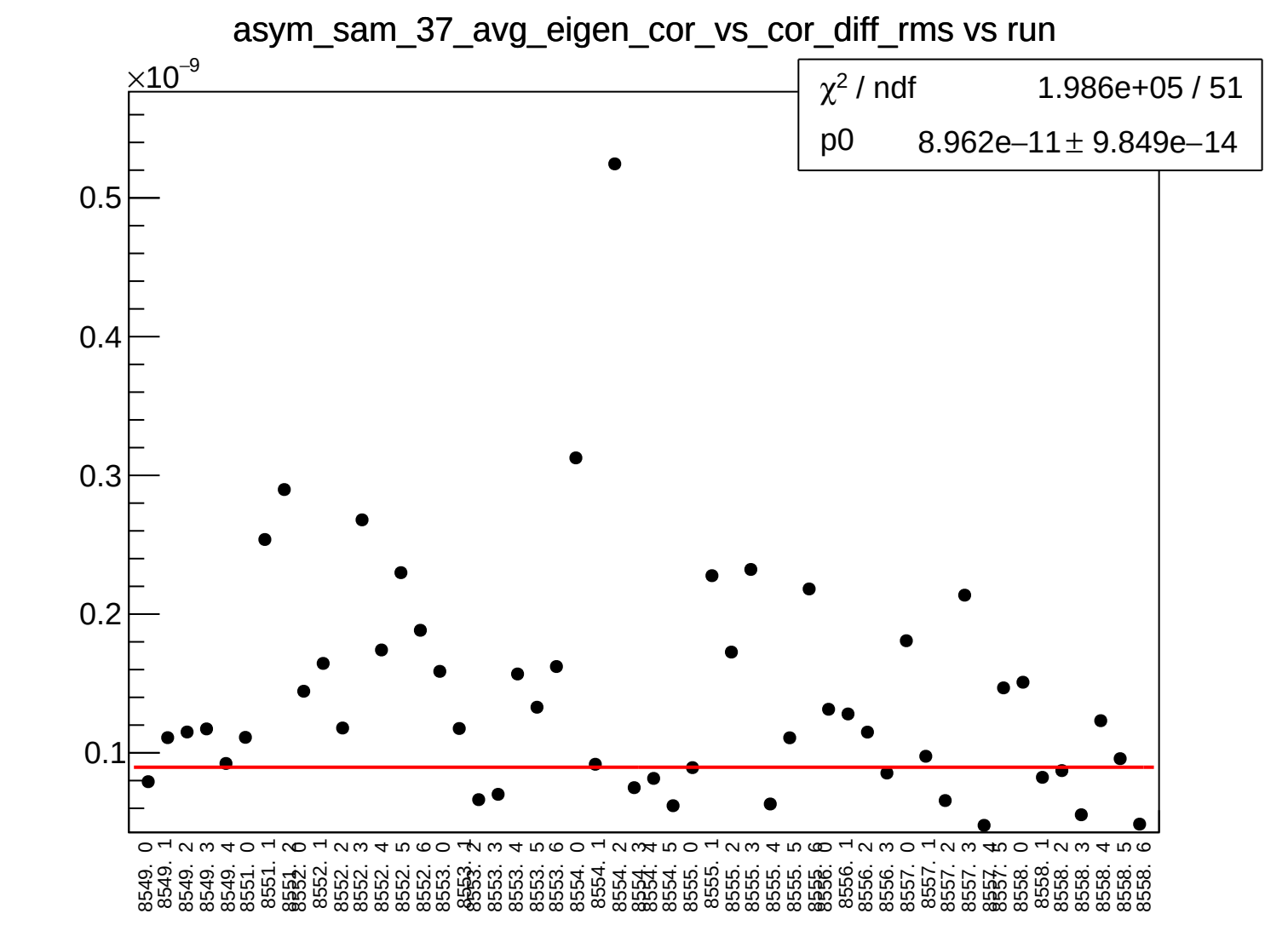

asym_sam_37_avg_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 49.14 / 51
p0 −0.02574 ± 0.03977
pull
Entries 52
Mean 180.1
Std Dev 0

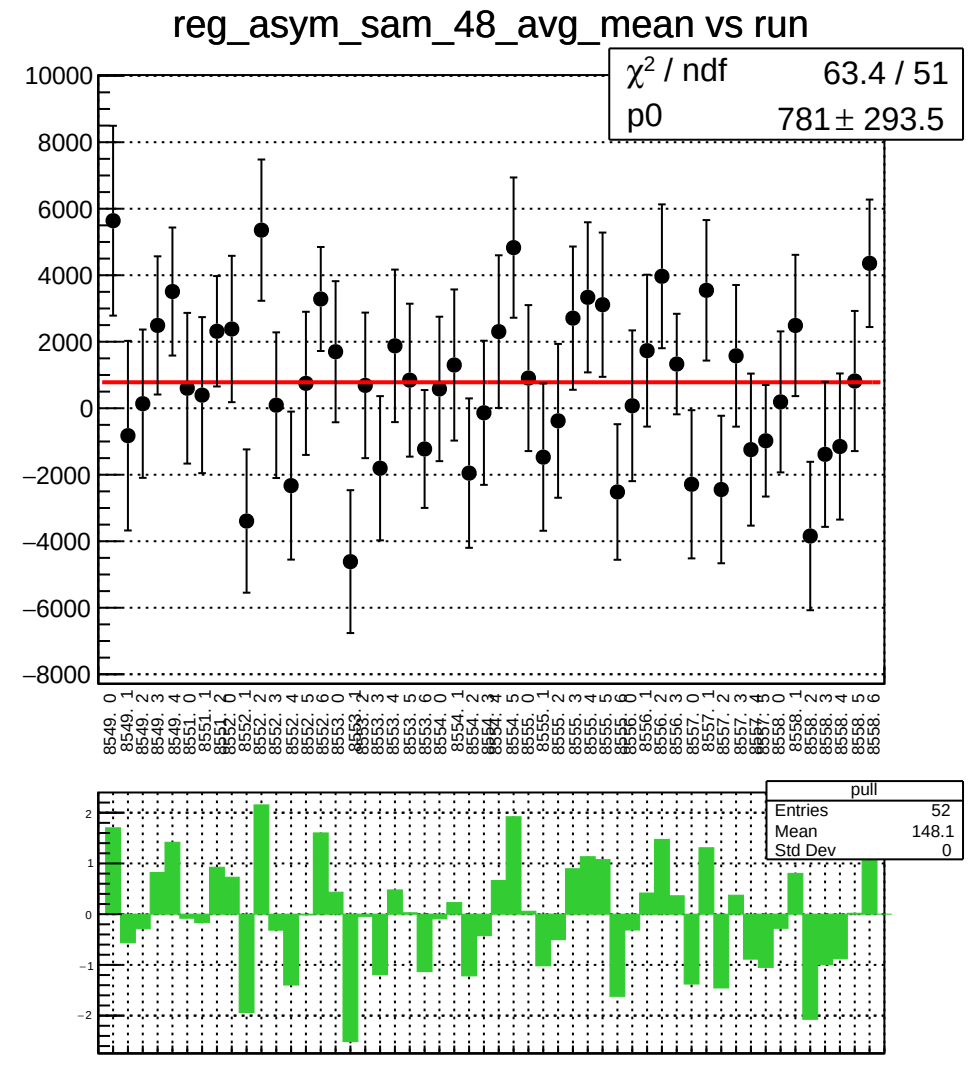

pull1D
Entries 52
Mean 0.01625
Std Dev 0.972

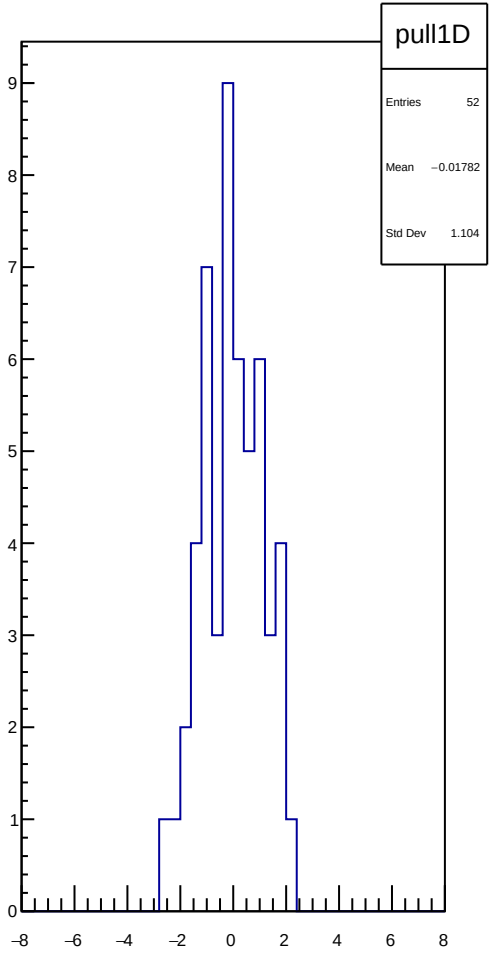

asym_sam_37_avg_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 3.132e+04 / 51
p0 28.06 ± 0.02812
45
40
35
30
25
20
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

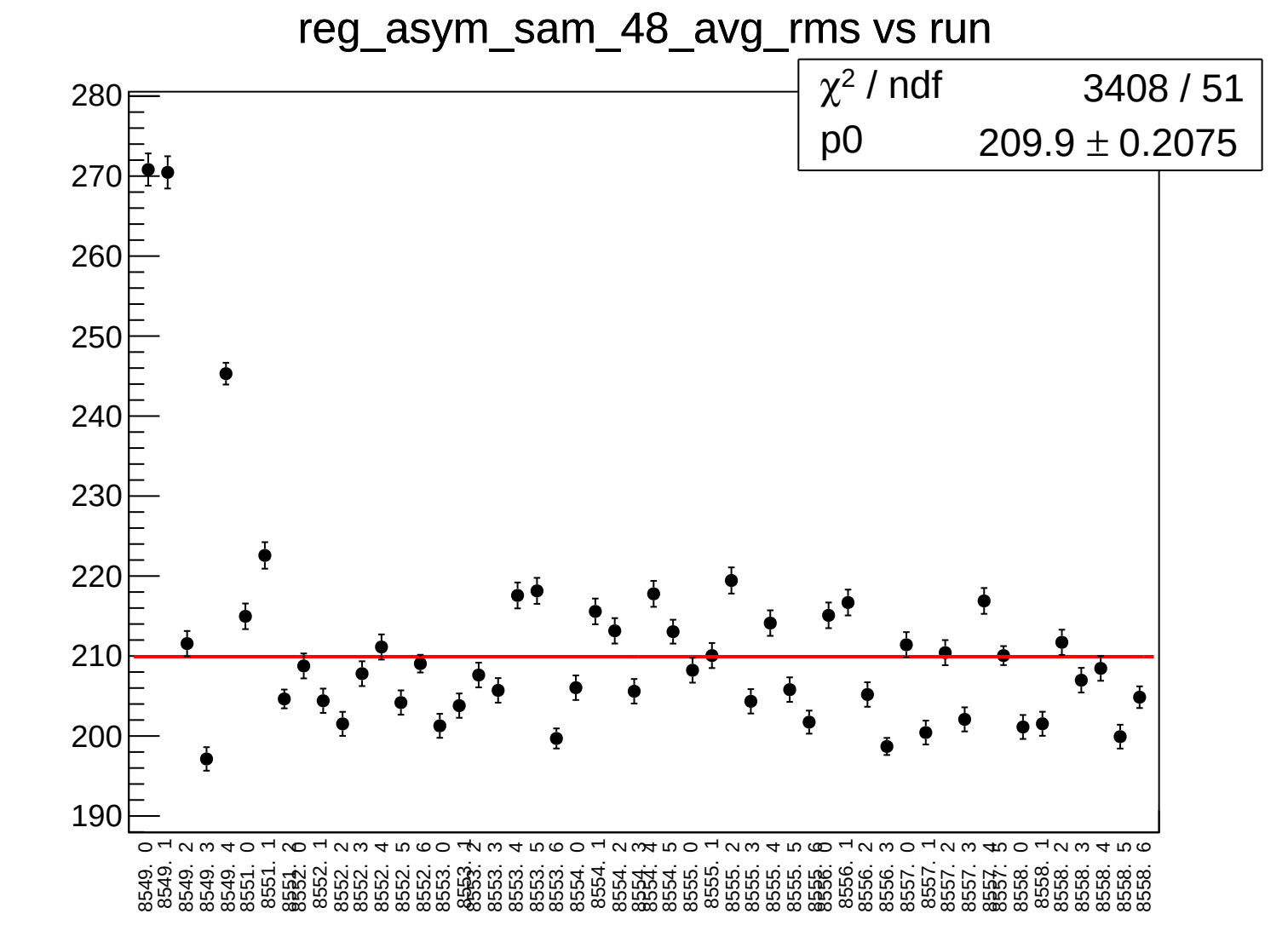

asym_sam_37_avg_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 64.84 / 51
p0 1.117e−15 ± 1.393e−13
pull
Entries 52
Mean −5.624
Std Dev 0

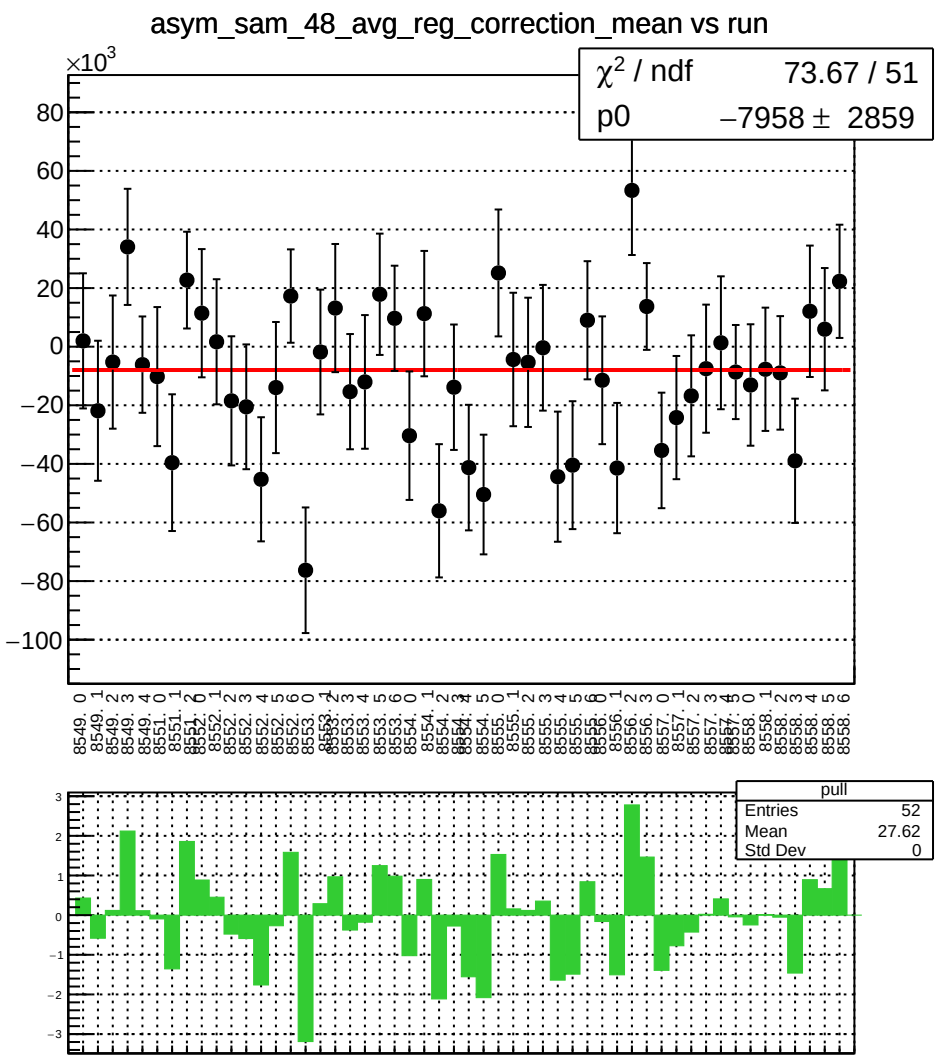

pull1D
Entries 52
Mean 0.08339
Std Dev 1.113

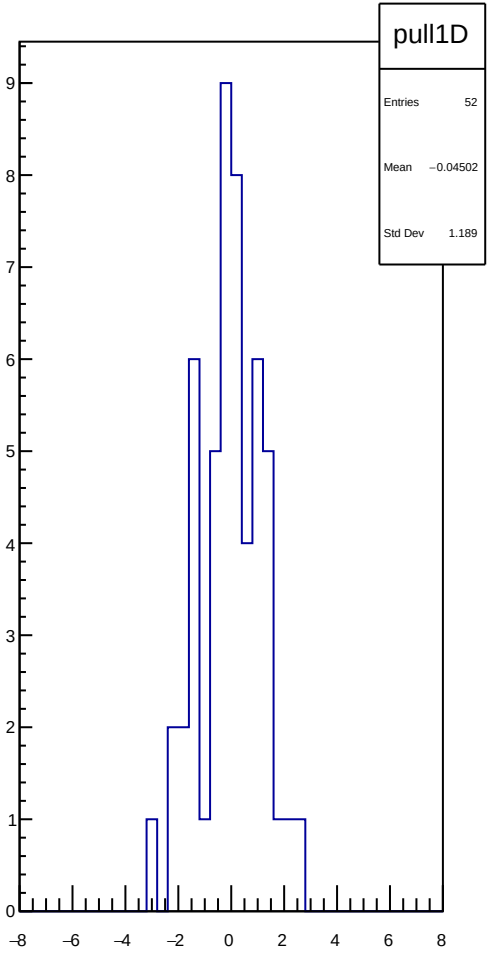

asym_sam_37_avg_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 1.986e+05 / 51
p0 8.962e−11 ± 9.849e−14
0.5
0.4
0.3
0.2
0.1
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

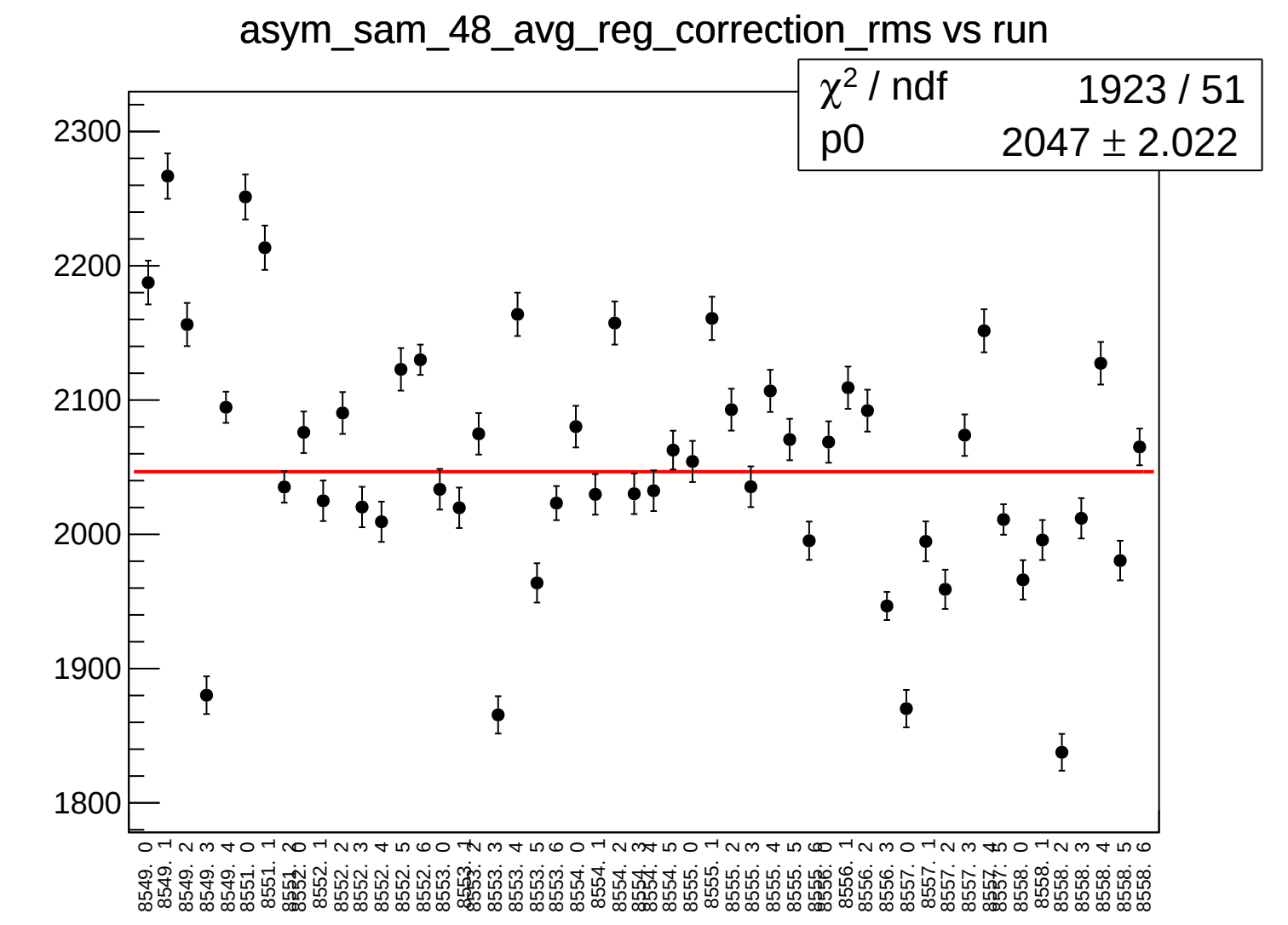

reg_asym_sam_48_avg_mean vs run
χ² / ndf 63.4 / 51
p0 781 ± 293.5
pull
Entries 52
Mean 148.1
Std Dev 0

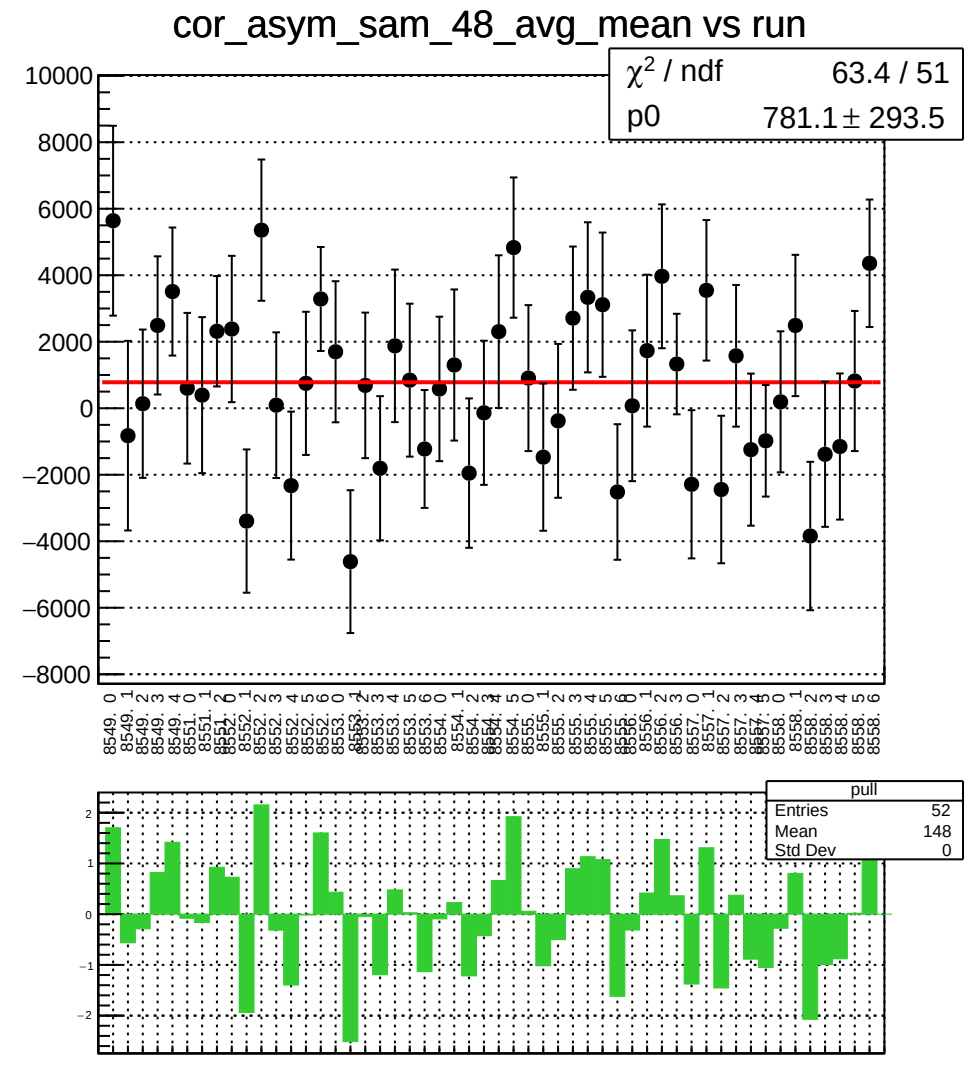

pull1D
Entries 52
Mean −0.01782
Std Dev 1.104

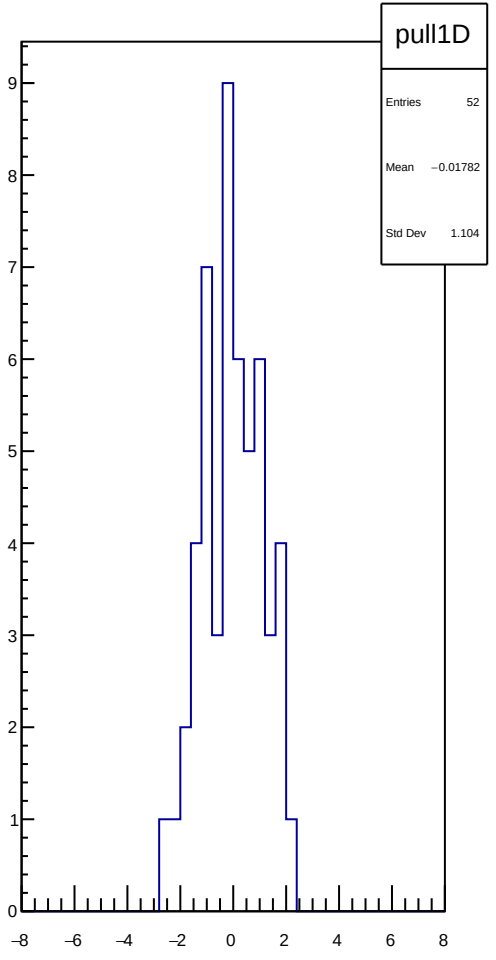

reg_asym_sam_48_avg_rms vs run
χ² / ndf 3408 / 51
p0 209.9 ± 0.2075
280
270
260
250
240
230
220
210
200
190
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 5
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

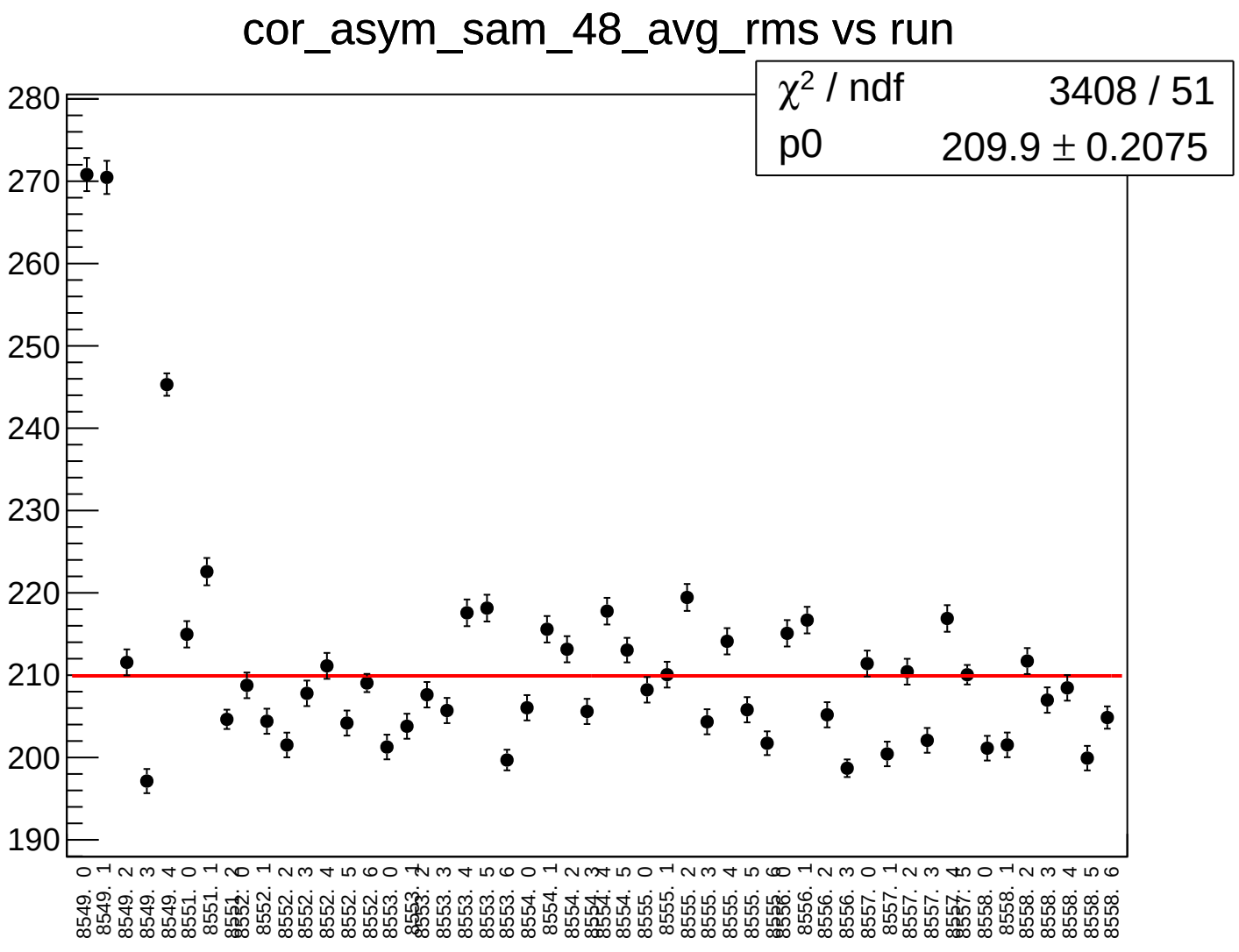

asym_sam_48_avg_reg_correction_mean vs run
×10^3
χ² / ndf 73.67 / 51
p0 −7958 ± 2859
pull
Entries 52
Mean 27.62
Std Dev 0

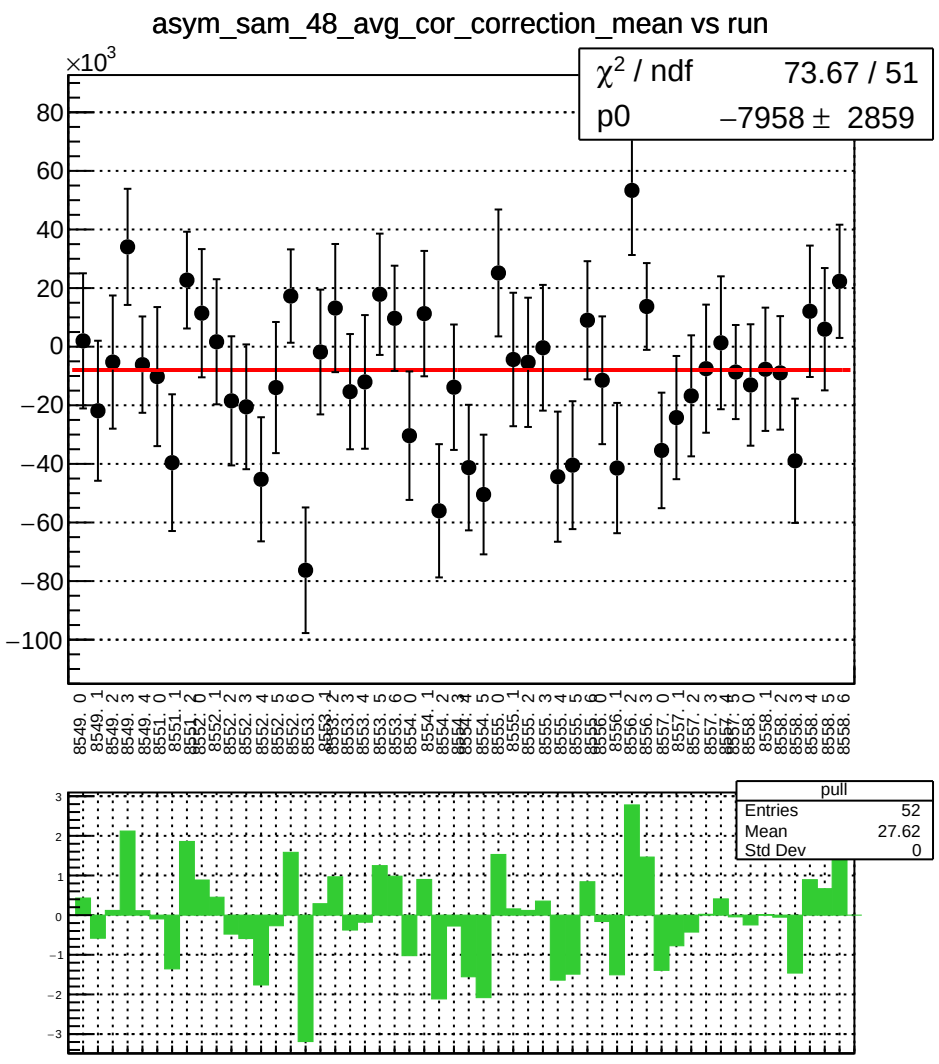

pull1D
Entries 52
Mean −0.04502
Std Dev 1.189

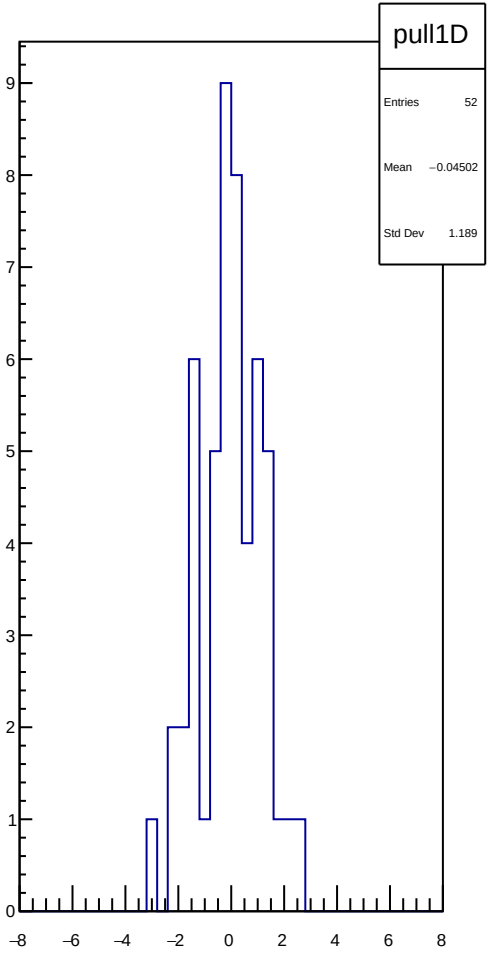

asym_sam_48_avg_reg_correction_rms vs run
χ² / ndf 1923 / 51
p0 2047 ± 2.022
2300
2200
2100
2000
1900
1800
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

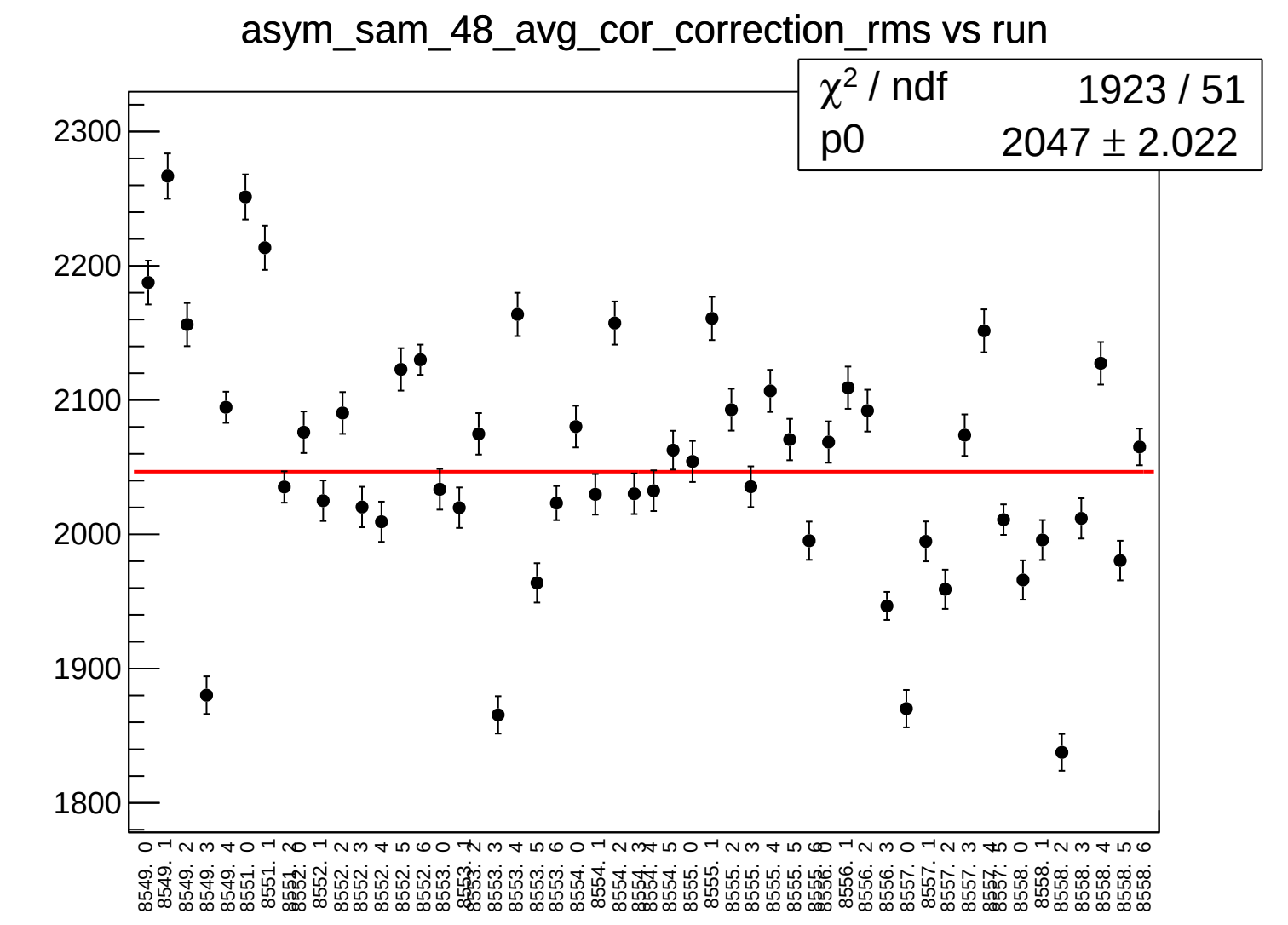

cor_asym_sam_48_avg_mean vs run
χ² / ndf 63.4 / 51
p0 781.1 ± 293.5
pull
Entries 52
Mean 148
Std Dev 0

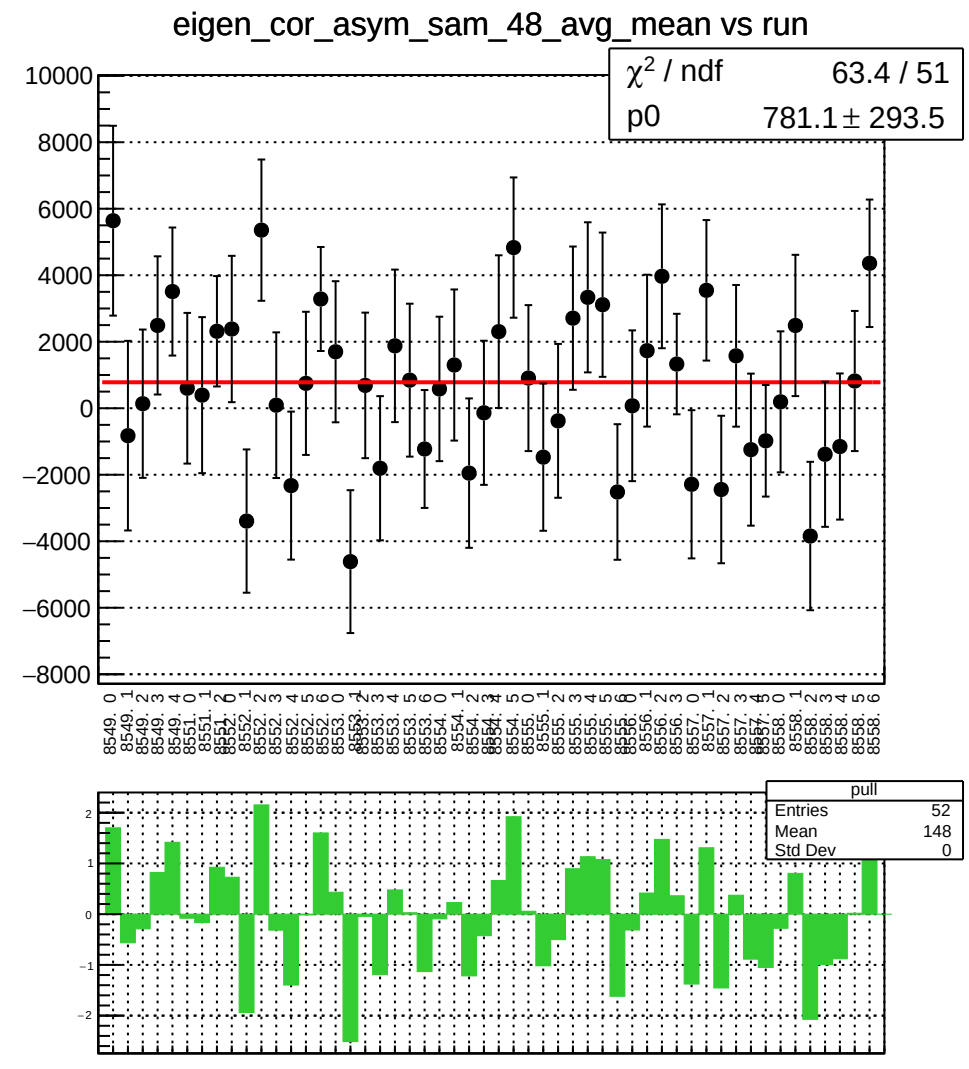

pull1D
Entries 52
Mean −0.01782
Std Dev 1.104

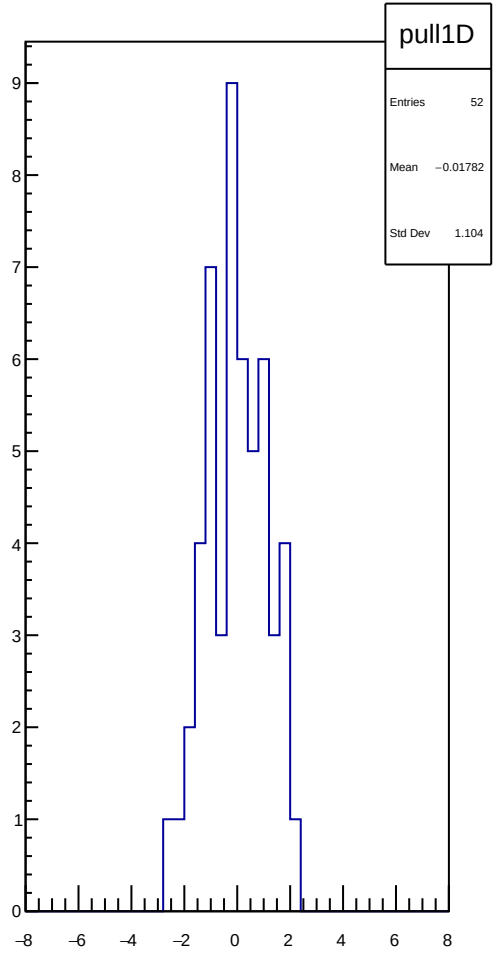

cor_asym_sam_48_avg_rms vs run
χ² / ndf 3408 / 51
p0 209.9 ± 0.2075
280
270
260
250
240
230
220
210
200
190
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

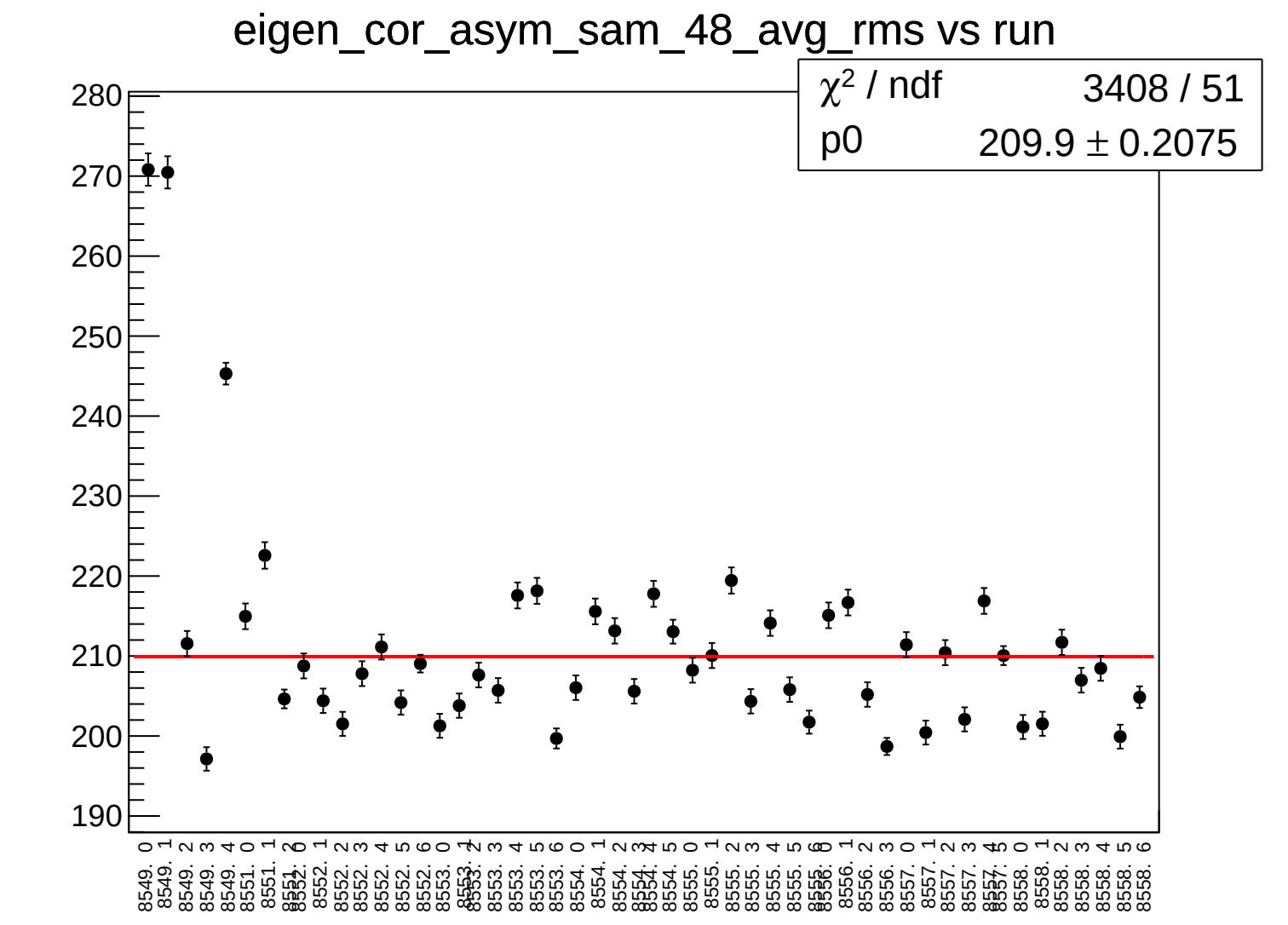

asym_sam_48_avg_cor_correction_mean vs run
×10^3
χ² / ndf 73.67 / 51
p0 −7958 ± 2859
pull
Entries 52
Mean 27.62
Std Dev 0

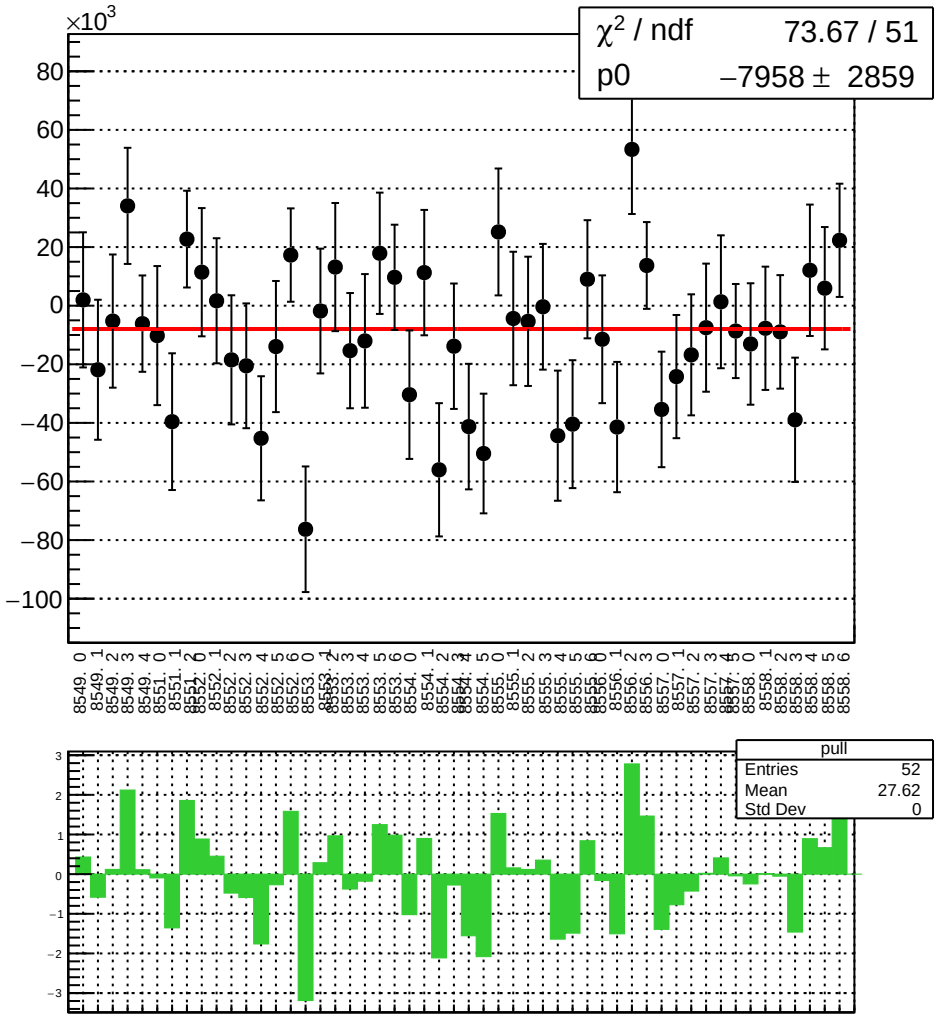

pull1D
Entries 52
Mean −0.04502
Std Dev 1.189

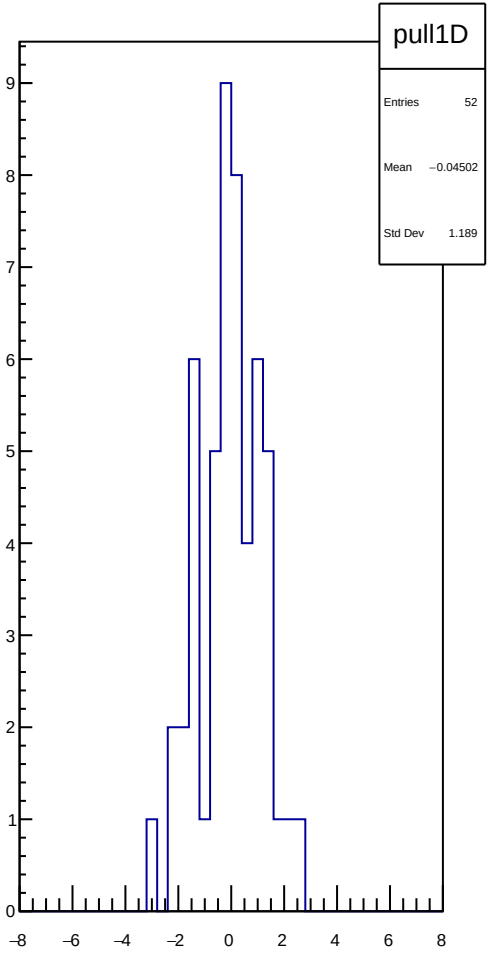

asym_sam_48_avg_cor_correction_rms vs run
χ² / ndf 1923 / 51
p0 2047 ± 2.022
2300
2200
2100
2000
1900
1800
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

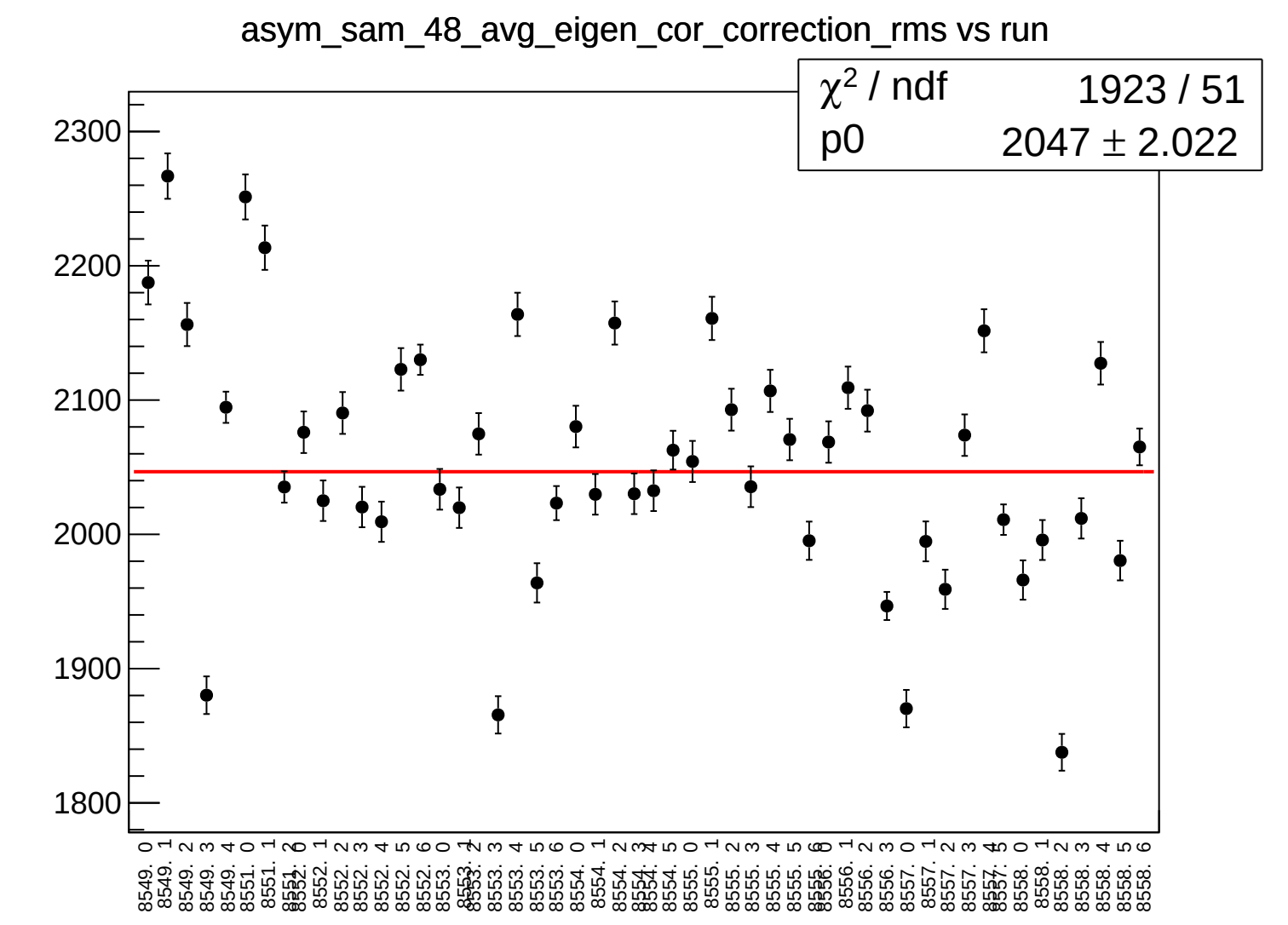

eigen_cor_asym_sam_48_avg_mean vs run
χ^2 / ndf 63.4 / 51
p0 781.1 ± 293.5
pull
Entries 52
Mean 148
Std Dev 0


pull1D
Entries 52
Mean −0.01782
Std Dev 1.104


eigen_cor_asym_sam_48_avg_rms vs run
χ² / ndf 3408 / 51
p0 209.9 ± 0.2075
280
270
260
250
240
230
220
210
200
190
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 5
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6


asym_sam_48_avg_eigen_cor_correction_mean vs run
×10^3
χ² / ndf 73.67 / 51
p0 −7958 ± 2859
pull
Entries 52
Mean 27.62
Std Dev 0


pull1D
Entries 52
Mean −0.04502
Std Dev 1.189


asym_sam_48_avg_eigen_cor_correction_rms vs run
χ² / ndf 1923 / 51
p0 2047 ± 2.022
2300
2200
2100
2000
1900
1800
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
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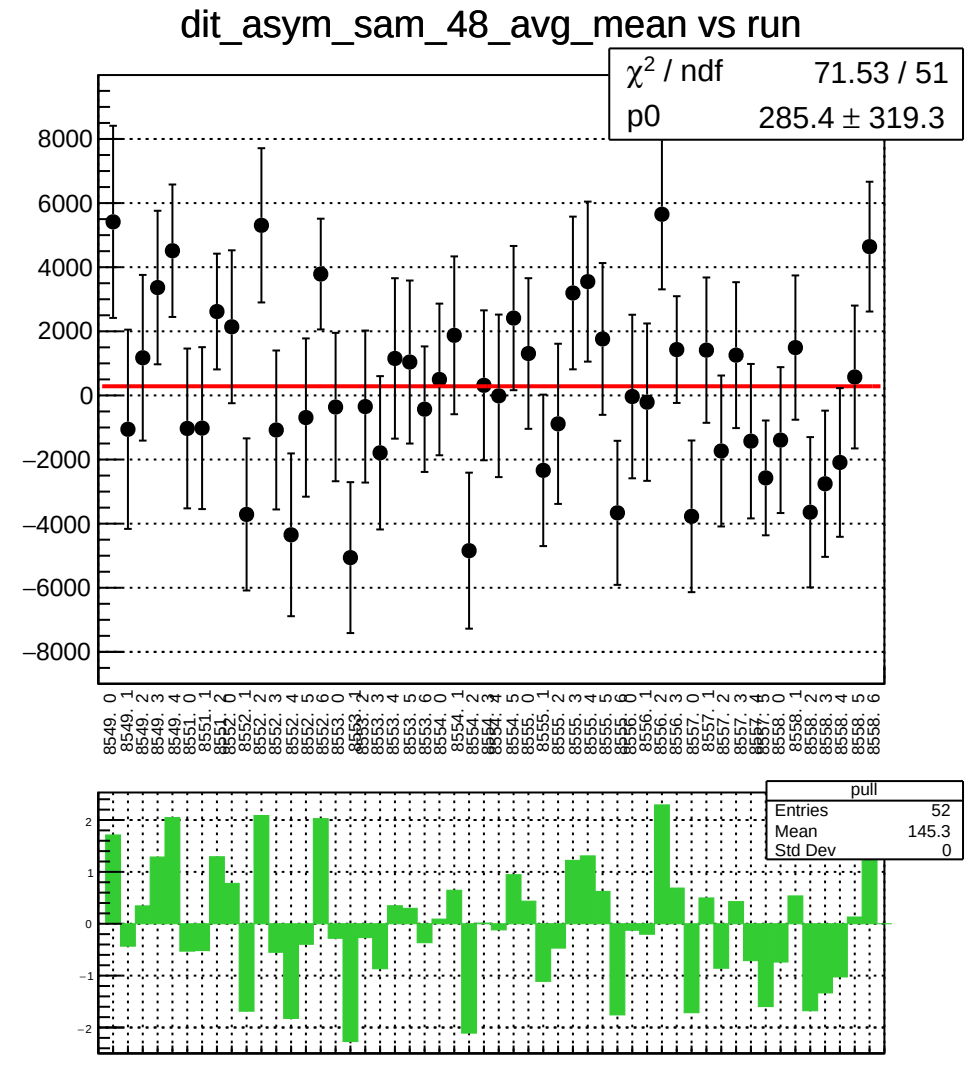
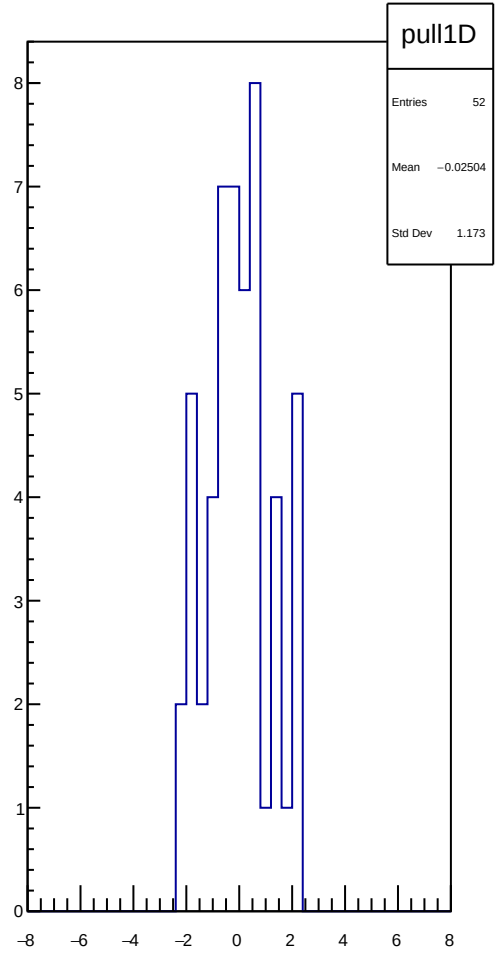
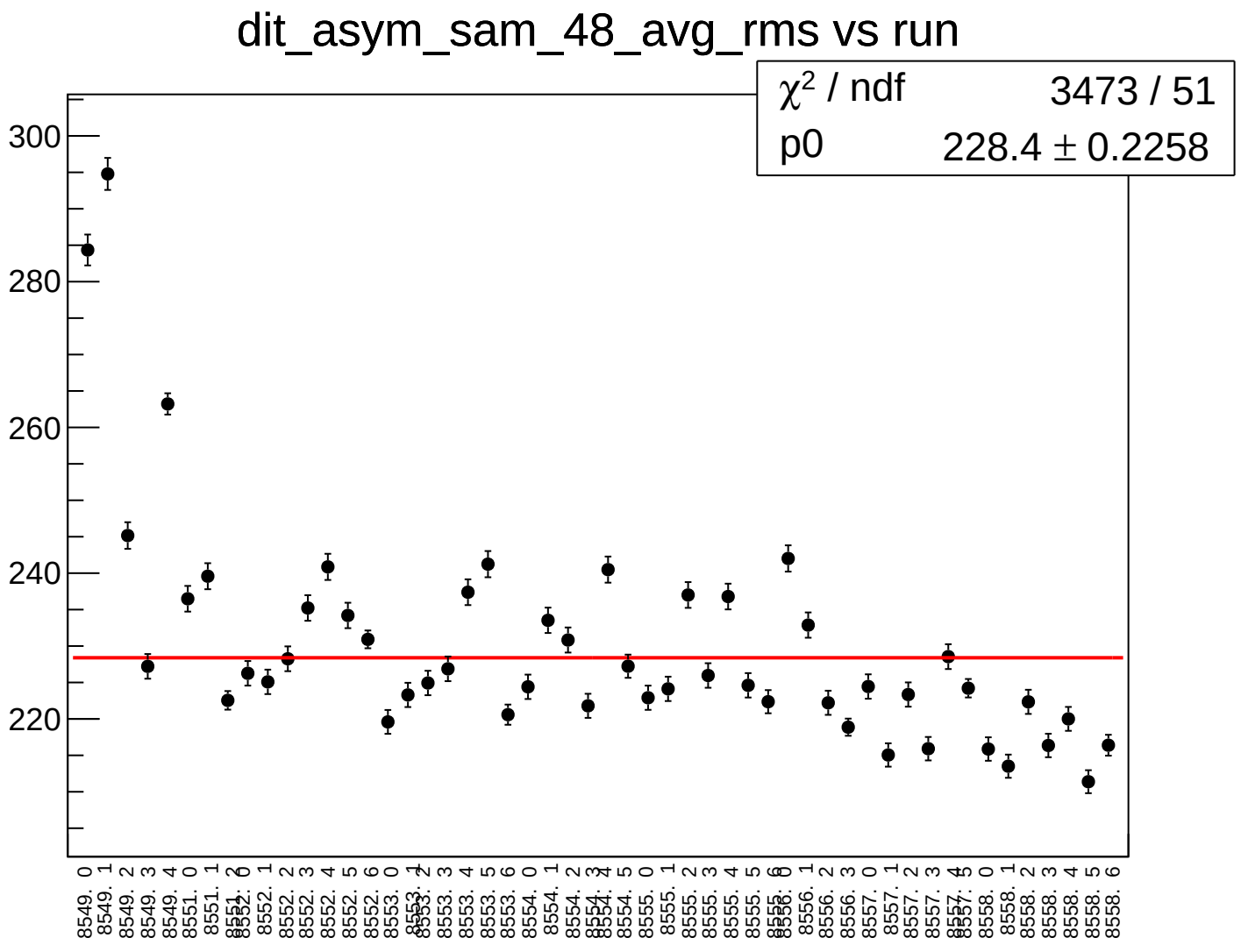
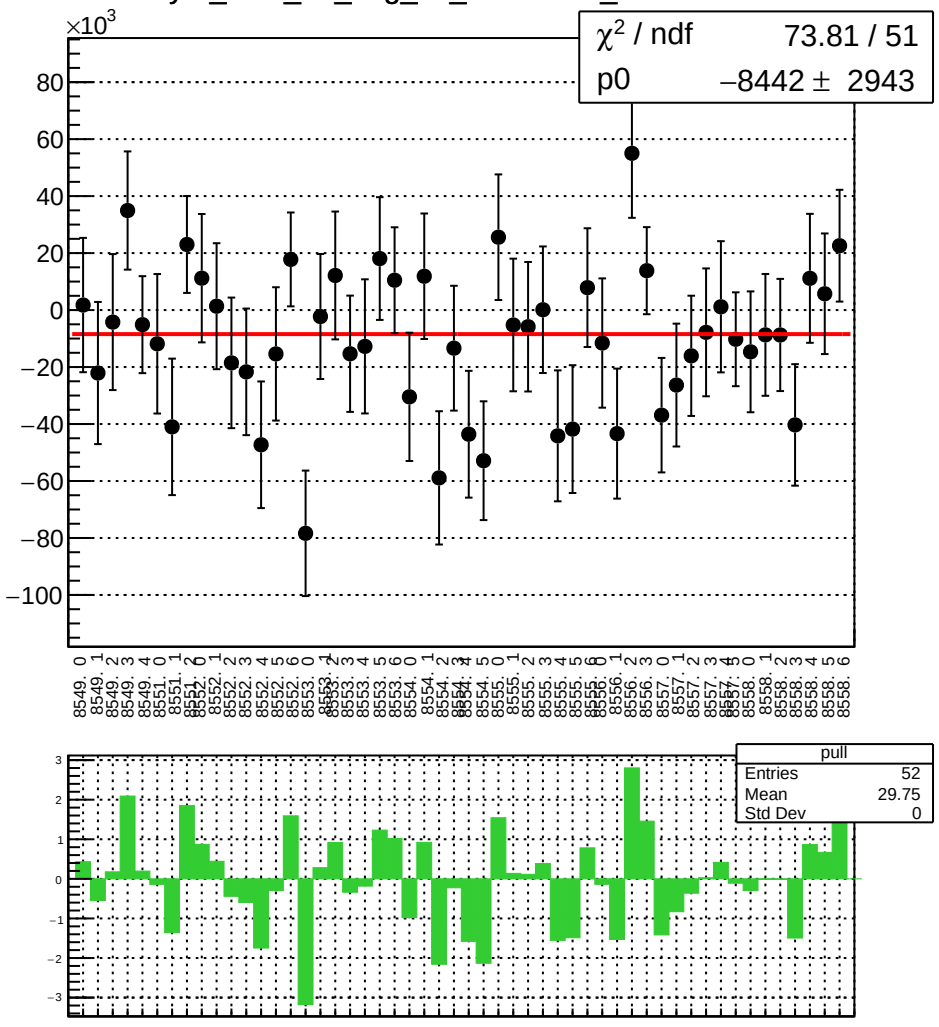
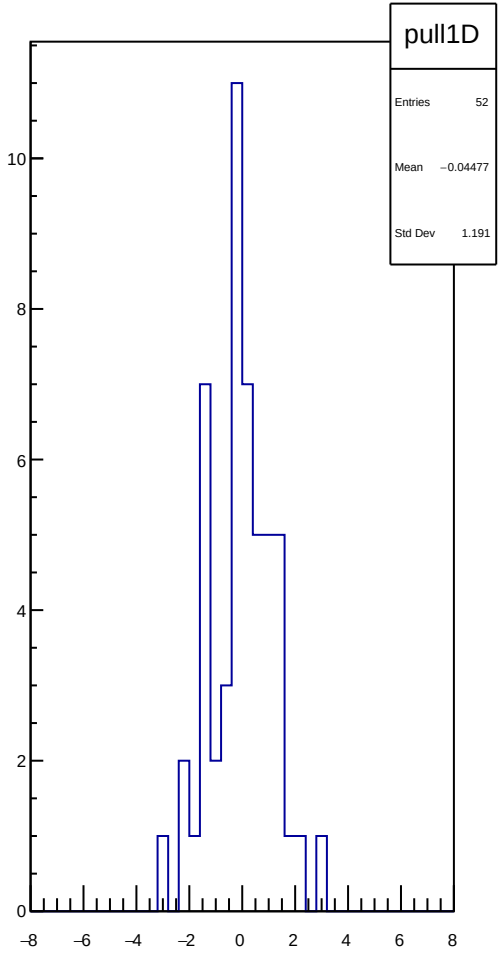
8558. 5
8558. 6

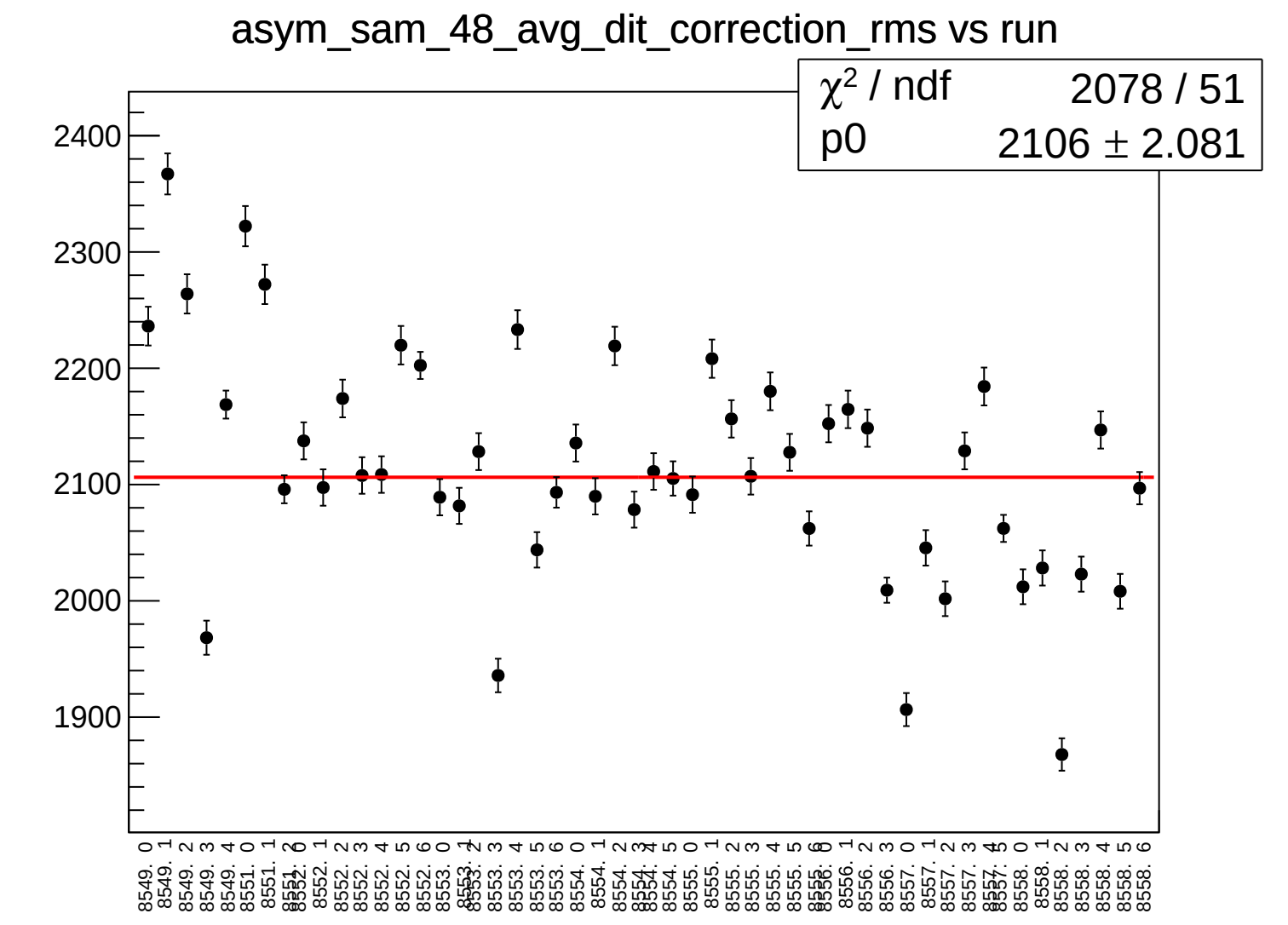

dit_asym_sam_48_avg_mean vs run
χ² / ndf 71.53 / 51
p0 285.4 ± 319.3
pull
Entries 52
Mean 145.3
Std Dev 0

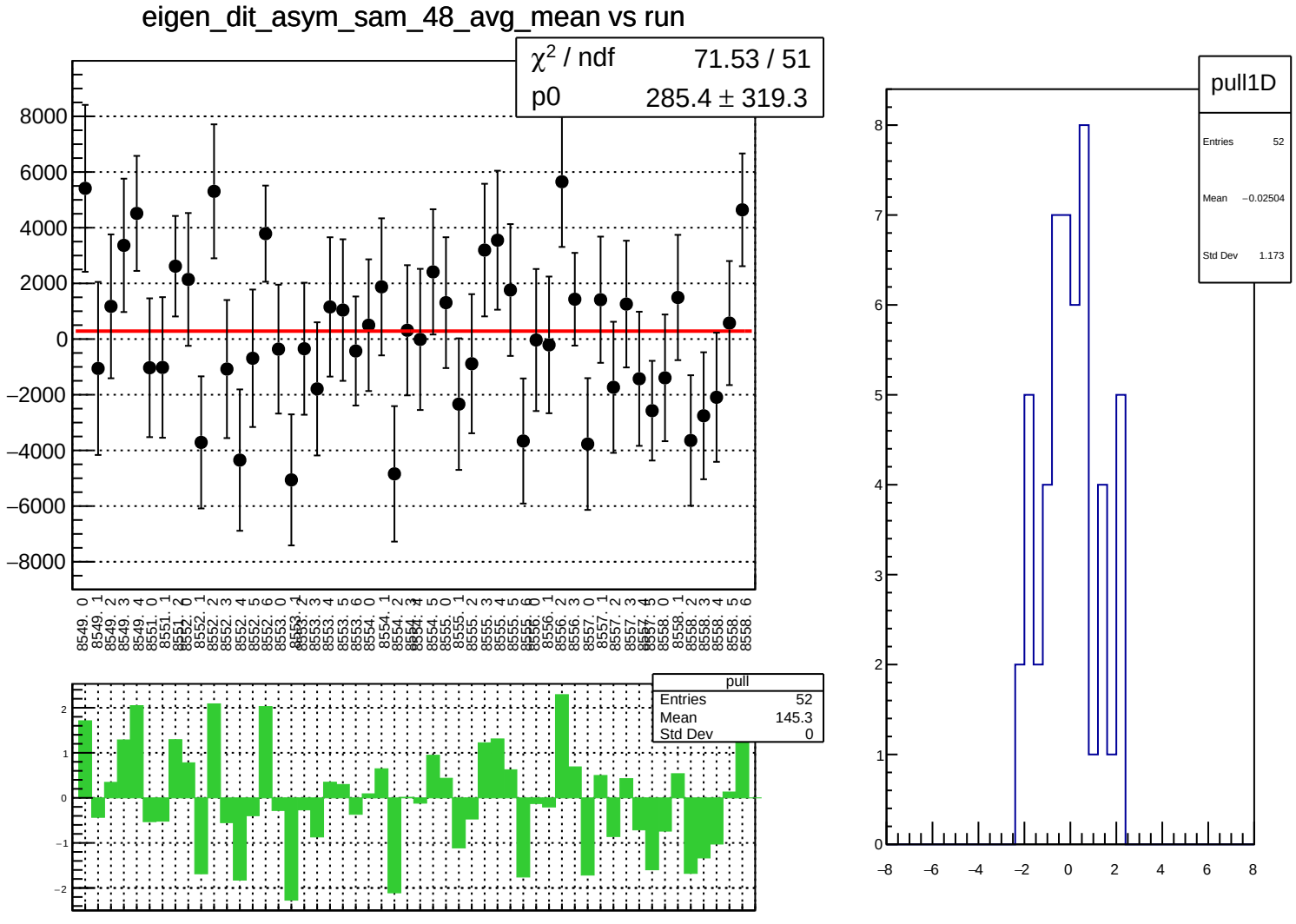

pull1D
Entries 52
Mean −0.02504
Std Dev 1.173

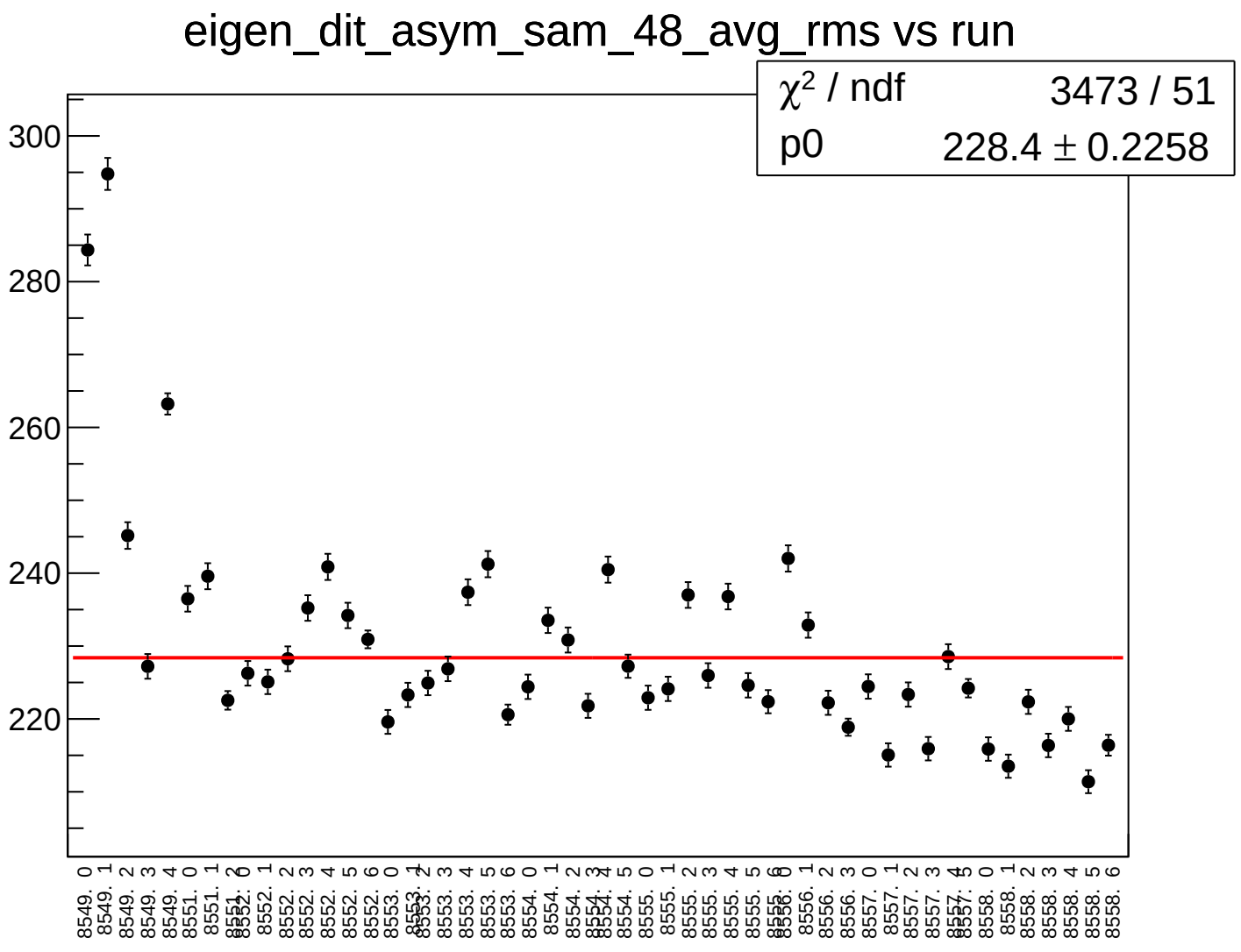

dit_asym_sam_48_avg_rms vs run
χ² / ndf 3473 / 51
p0 228.4 ± 0.2258
300
280
260
240
220
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 5
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

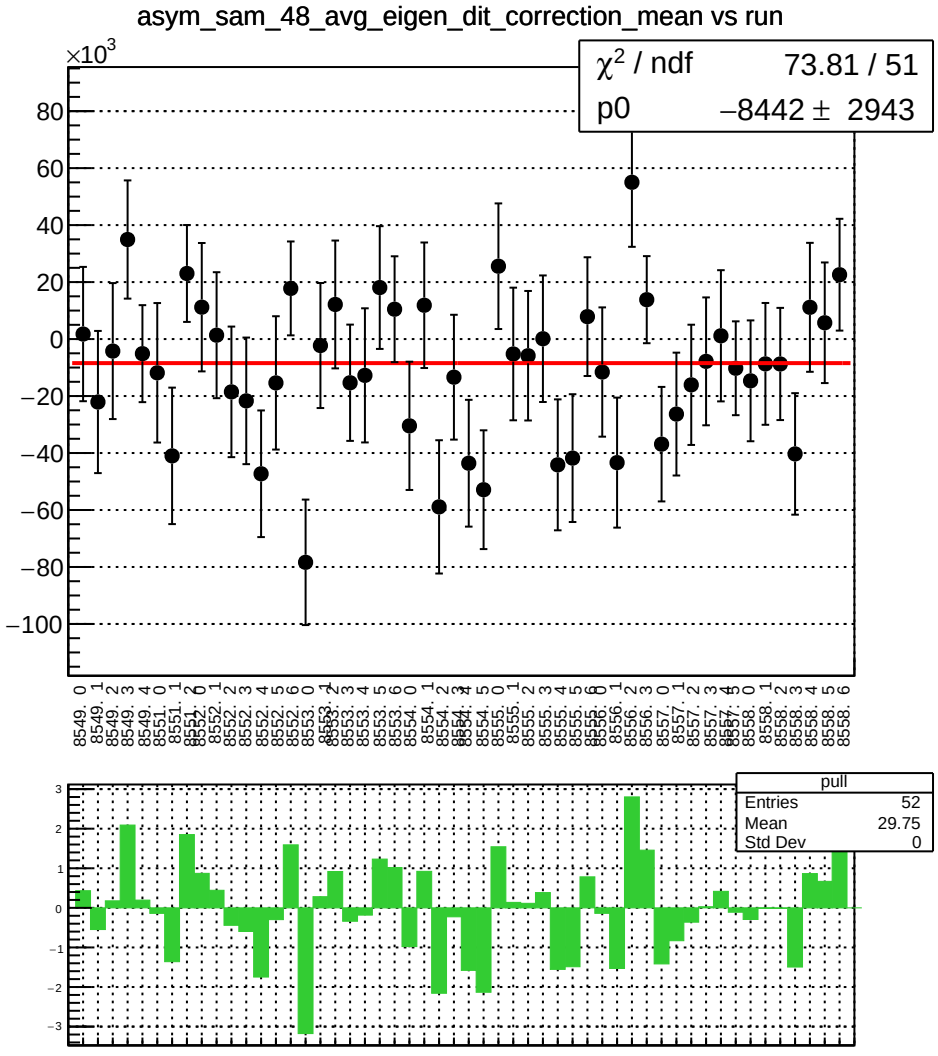

asym_sam_48_avg_dit_correction_mean vs run
χ² / ndf 73.81 / 51
p0 −8442 ± 2943
pull
Entries 52
Mean 29.75
Std Dev 0

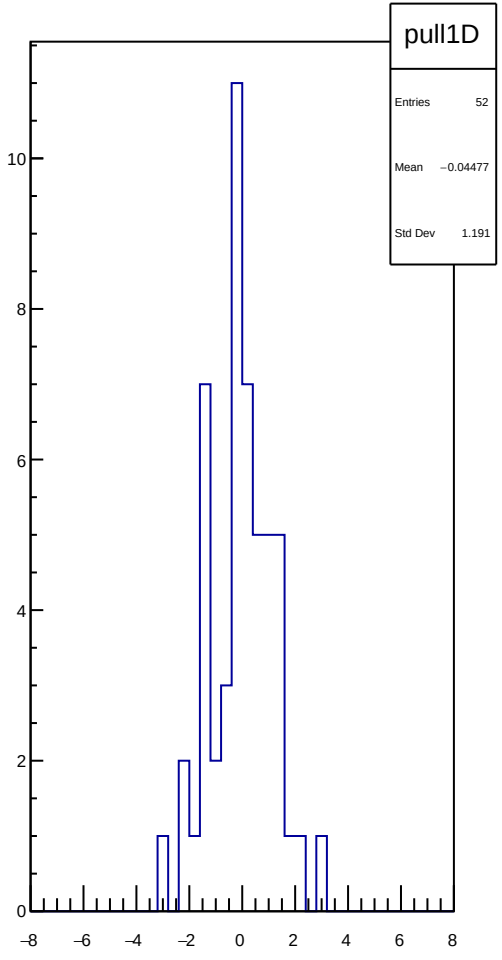

pull1D
Entries 52
Mean −0.04477
Std Dev 1.191

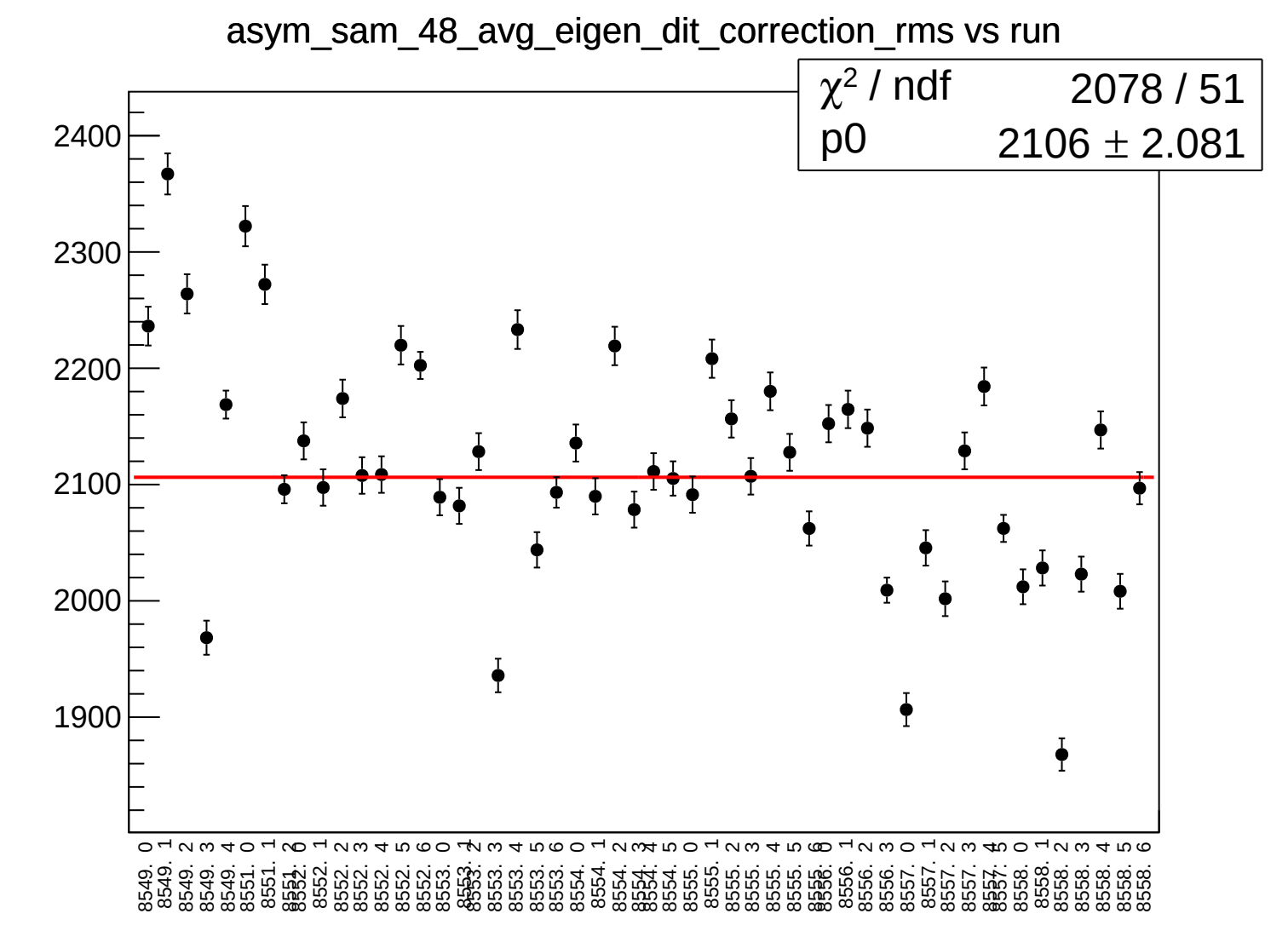

asym_sam_48_avg_dit_correction_rms vs run
χ² / ndf 2078 / 51
p0 2106 ± 2.081
2400
2300
2200
2100
2000
1900
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 5
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6


eigen_dit_asym_sam_48_avg_mean vs run
χ² / ndf 71.53 / 51
p0 285.4 ± 319.3
pull
Entries 52
Mean 145.3
Std Dev 0
pull1D
Entries 52
Mean −0.02504
Std Dev 1.173


eigen_dit_asym_sam_48_avg_rms vs run
χ² / ndf 3473 / 51
p0 228.4 ± 0.2258
300
280
260
240
220
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 5
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6


asym_sam_48_avg_eigen_dit_correction_mean vs run
χ² / ndf 73.81 / 51
p0 −8442 ± 2943
pull
Entries 52
Mean 29.75
Std Dev 0


pull1D
Entries 52
Mean −0.04477
Std Dev 1.191


asym_sam_48_avg_eigen_dit_correction_rms vs run
χ² / ndf 2078 / 51
p0 2106 ± 2.081
2400
2300
2200
2100
2000
1900
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
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8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
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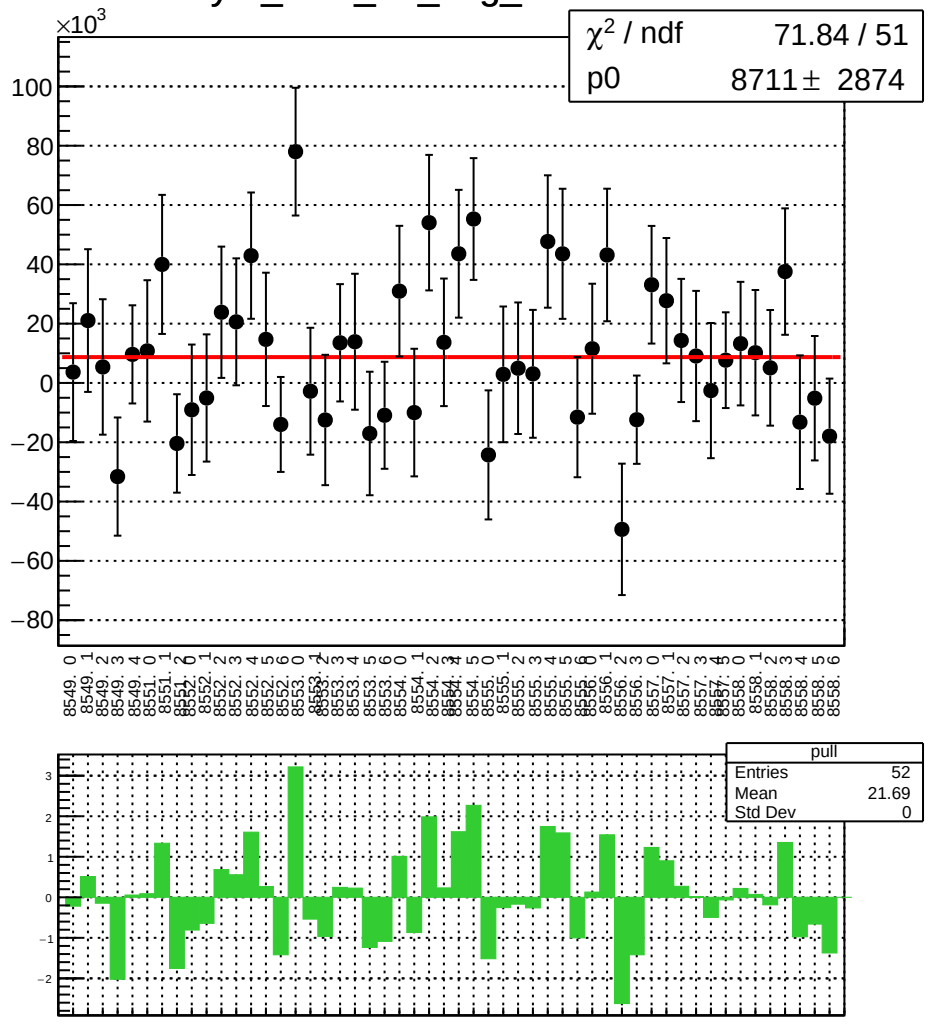
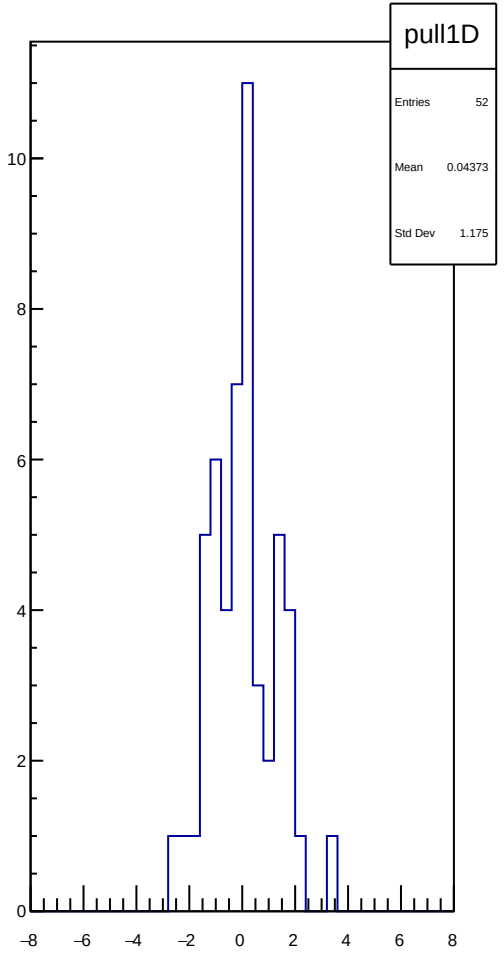
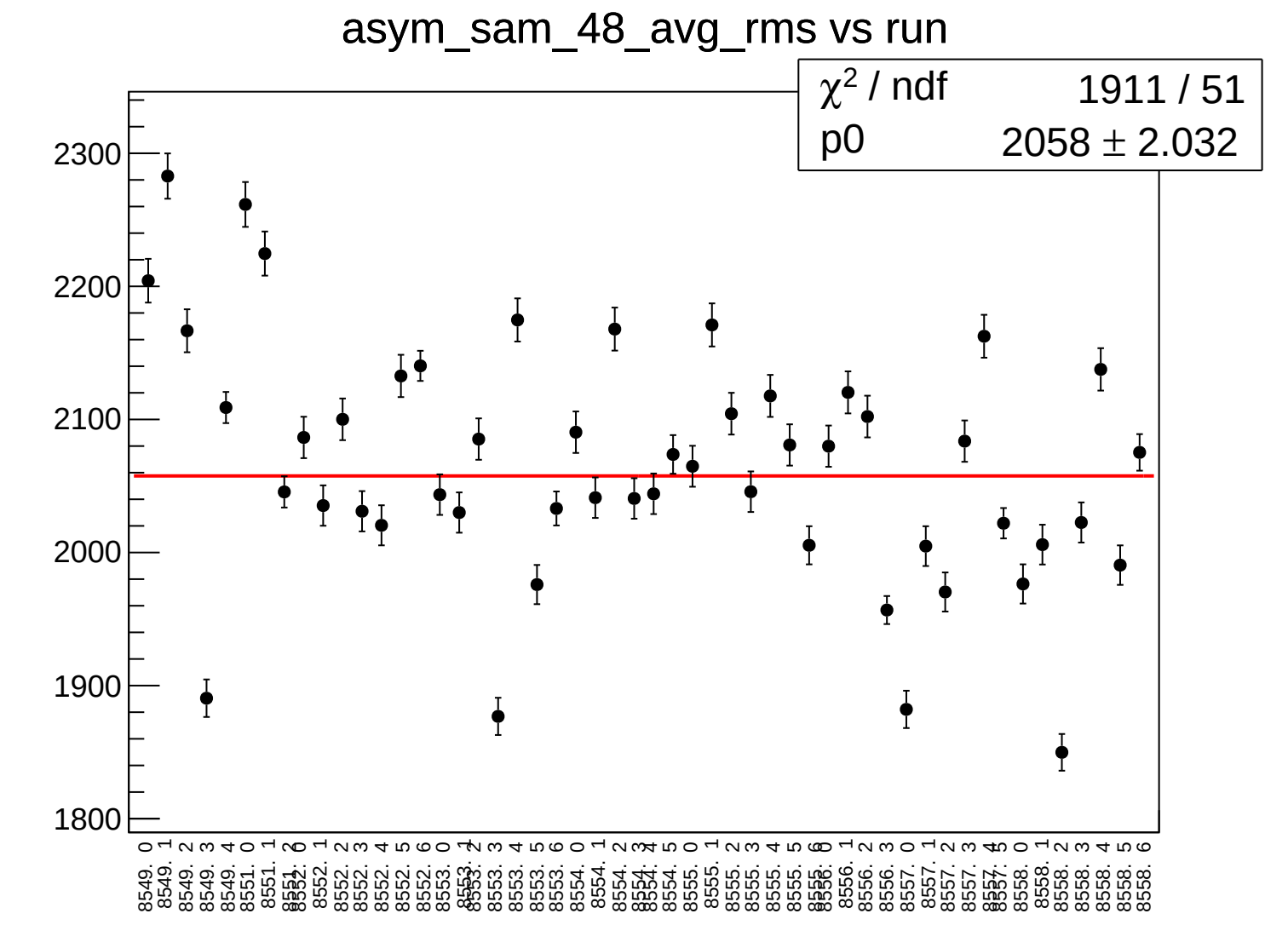
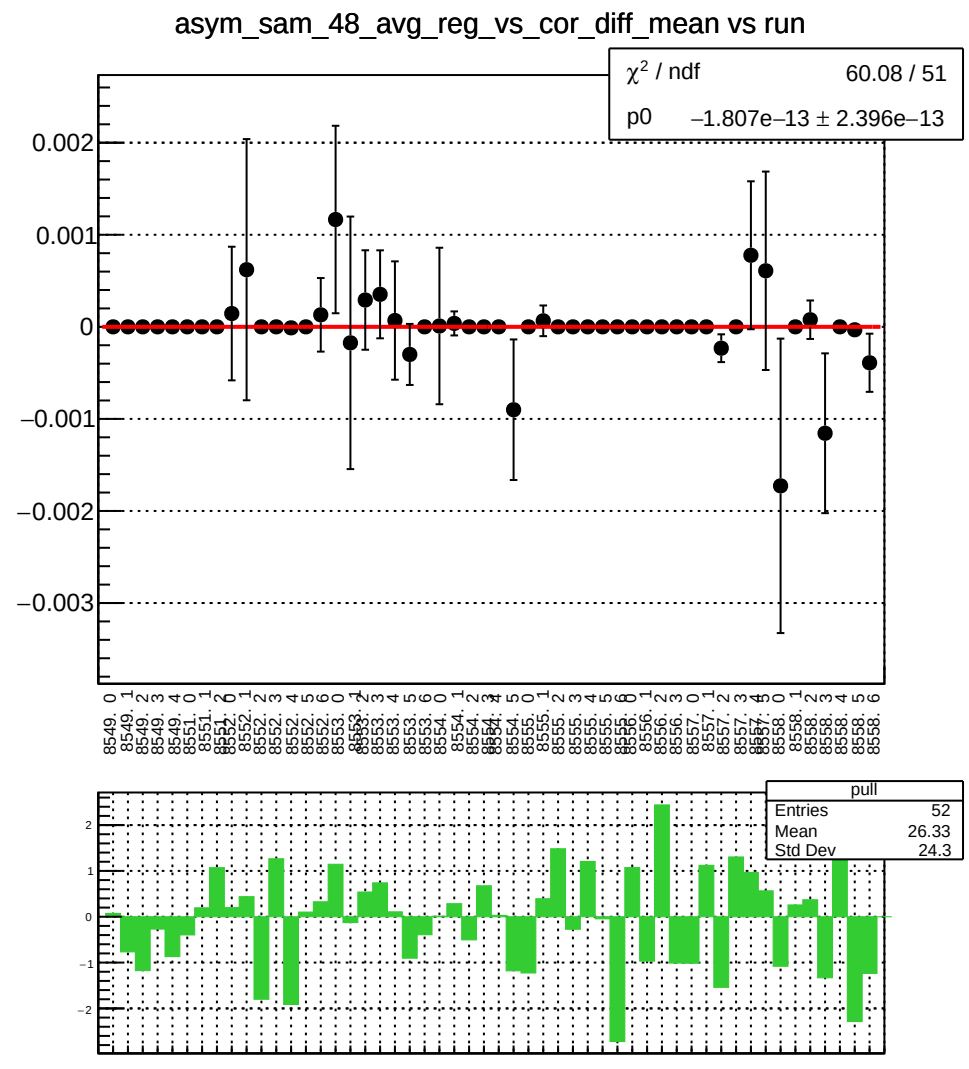
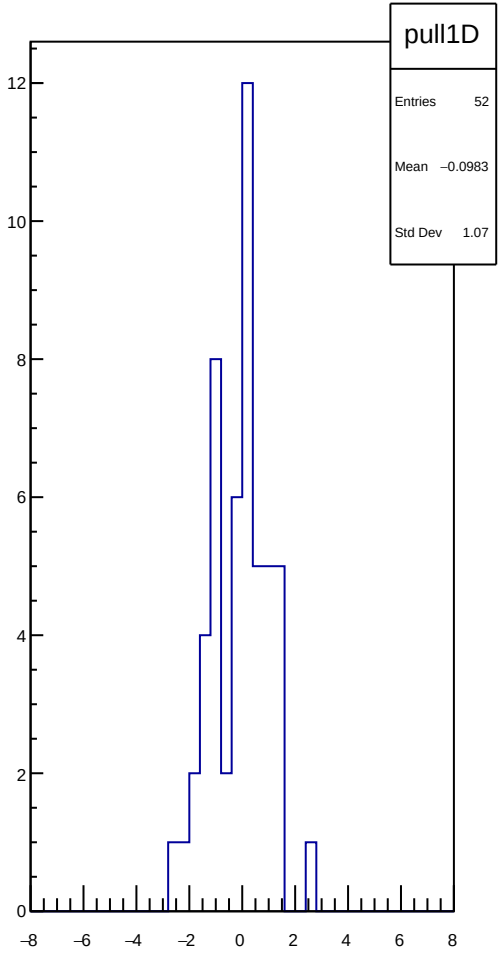
8558. 5
8558. 6

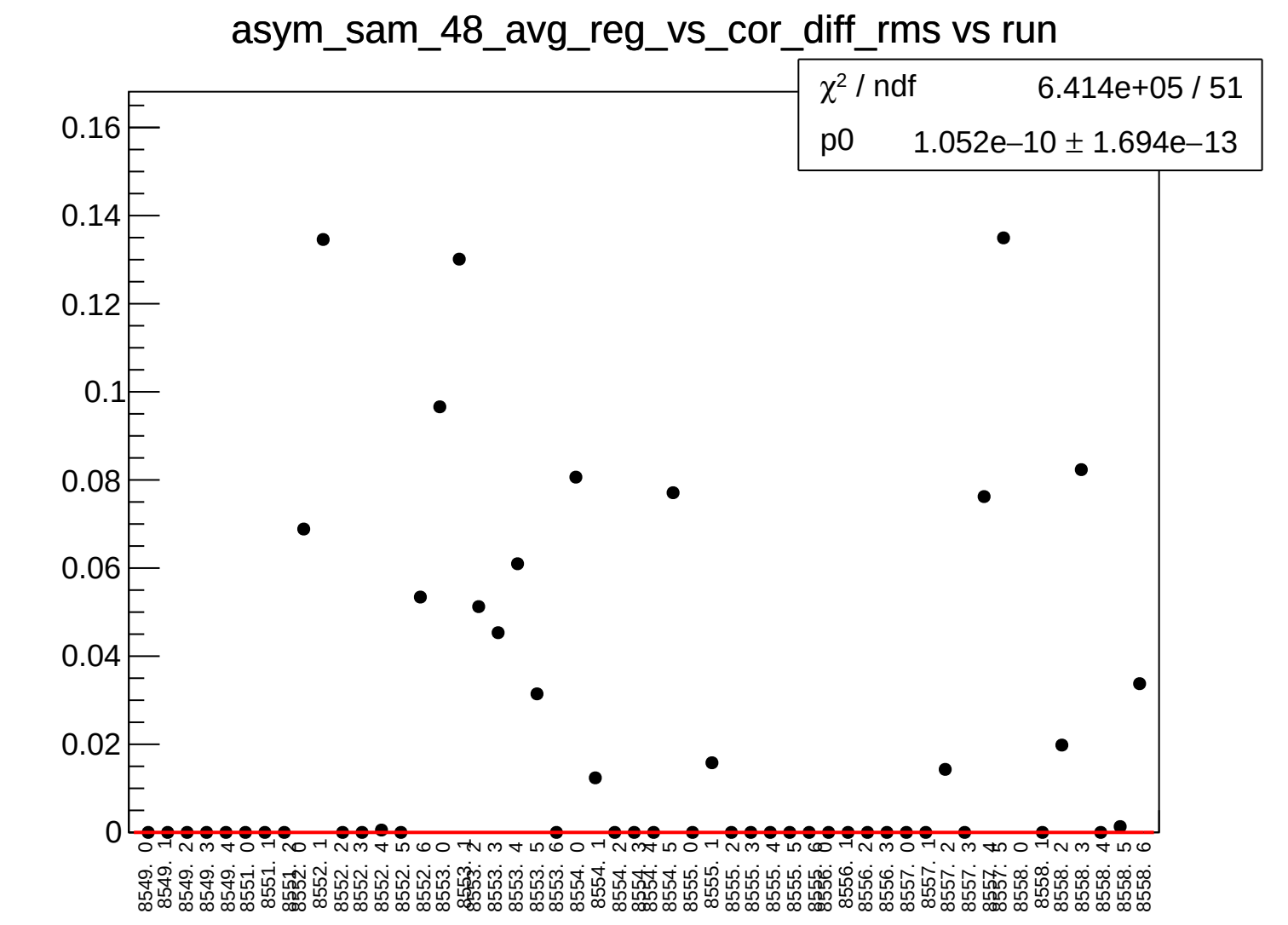

asym_sam_48_avg_mean vs run
×10^3
χ² / ndf 71.84 / 51
p0 8711 ± 2874
pull
Entries 52
Mean 21.69
Std Dev 0


pull1D
Entries 52
Mean 0.04373
Std Dev 1.175

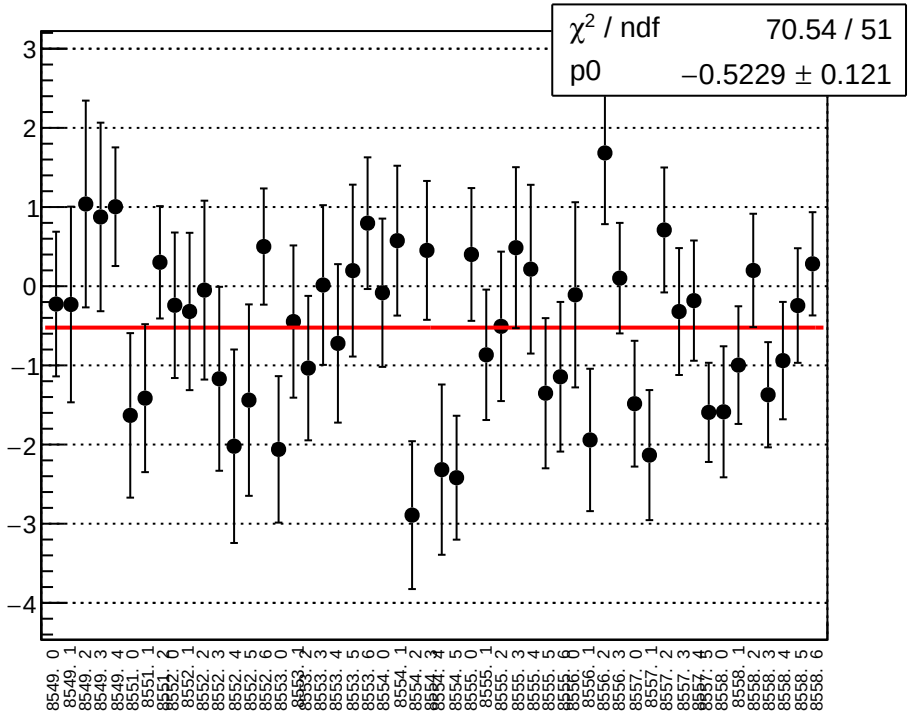

asym_sam_48_avg_rms vs run
χ² / ndf 1911 / 51
p0 2058 ± 2.032
2300
2200
2100
2000
1900
1800
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

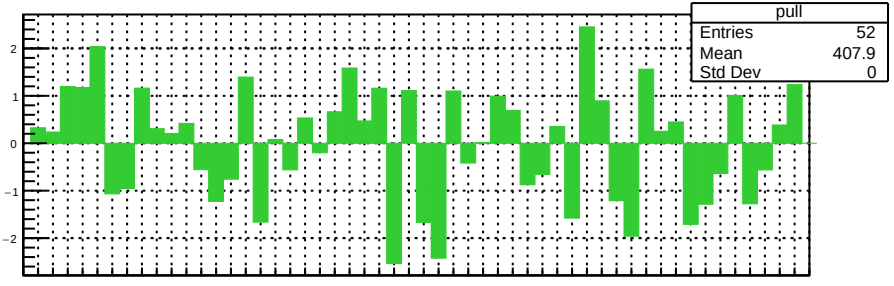

asym_sam_48_avg_reg_vs_cor_diff_mean vs run
χ² / ndf 60.08 / 51
p0 −1.807e−13 ± 2.396e−13
0.002
0.001
0
−0.001
−0.002
−0.003
pull
Entries 52
Mean 26.33
Std Dev 24.3
2
1
0
−1
−2

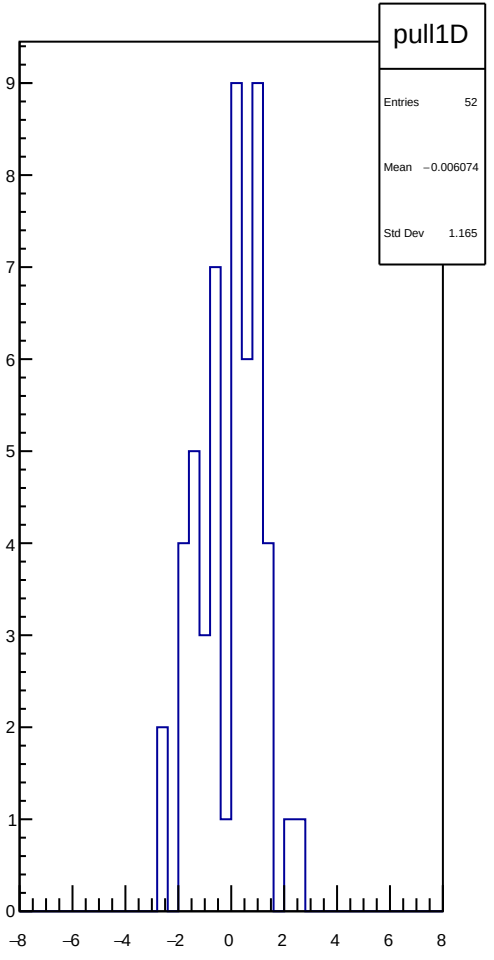

pull1D
Entries 52
Mean −0.0983
Std Dev 1.07
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

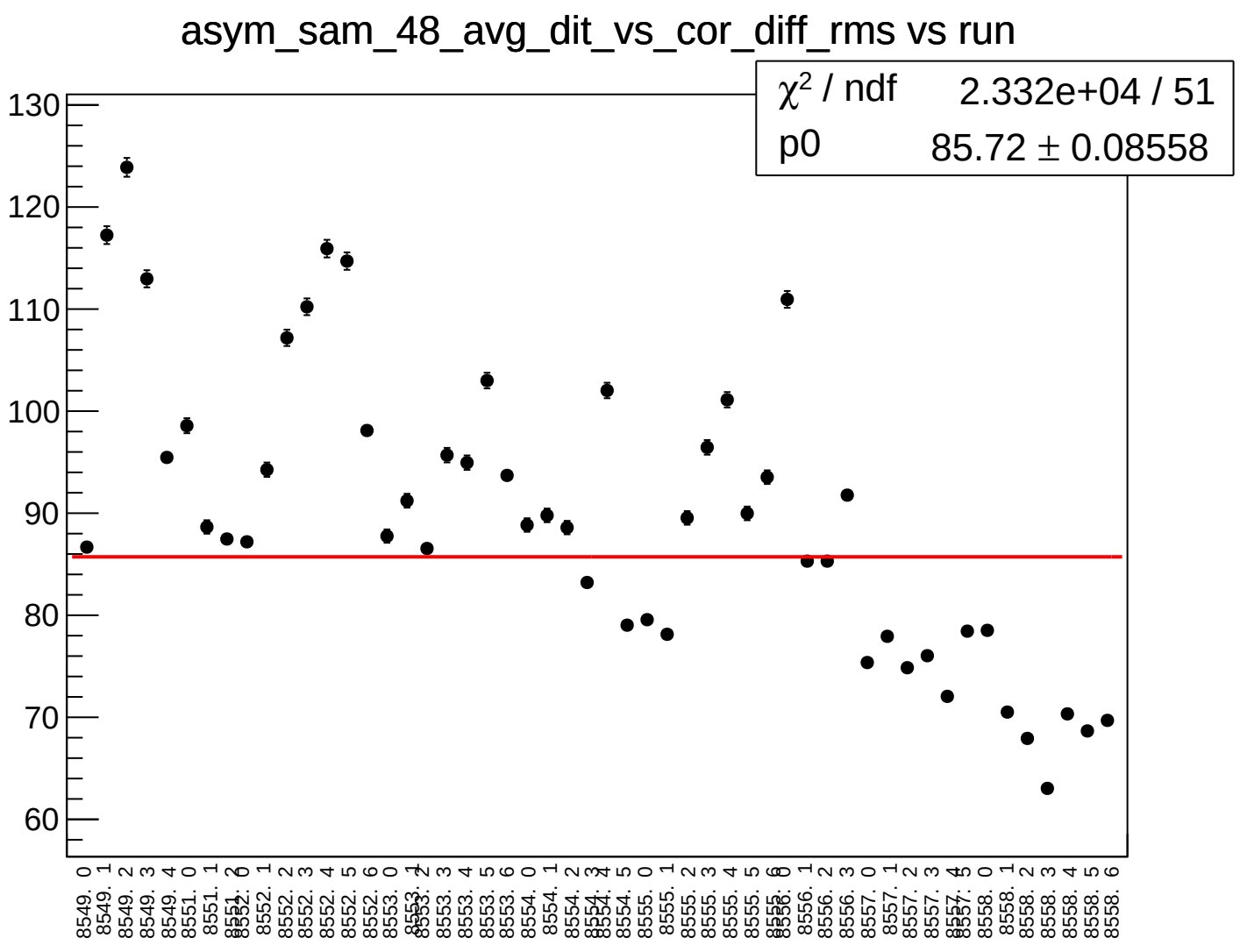

asym_sam_48_avg_reg_vs_cor_diff_rms vs run
χ² / ndf 6.414e+05 / 51
p0 1.052e−10 ± 1.694e−13
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02
0

asym_sam_48_avg_dit_vs_cor_diff_mean vs run








asym_sam_48_avg_dit_vs_cor_diff_rms vs run
χ² / ndf 2.332e+04 / 51
p0 85.72 ± 0.08558
130
120
110
100
90
80
70
60
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
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8554. 2
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8555. 2
8555. 3
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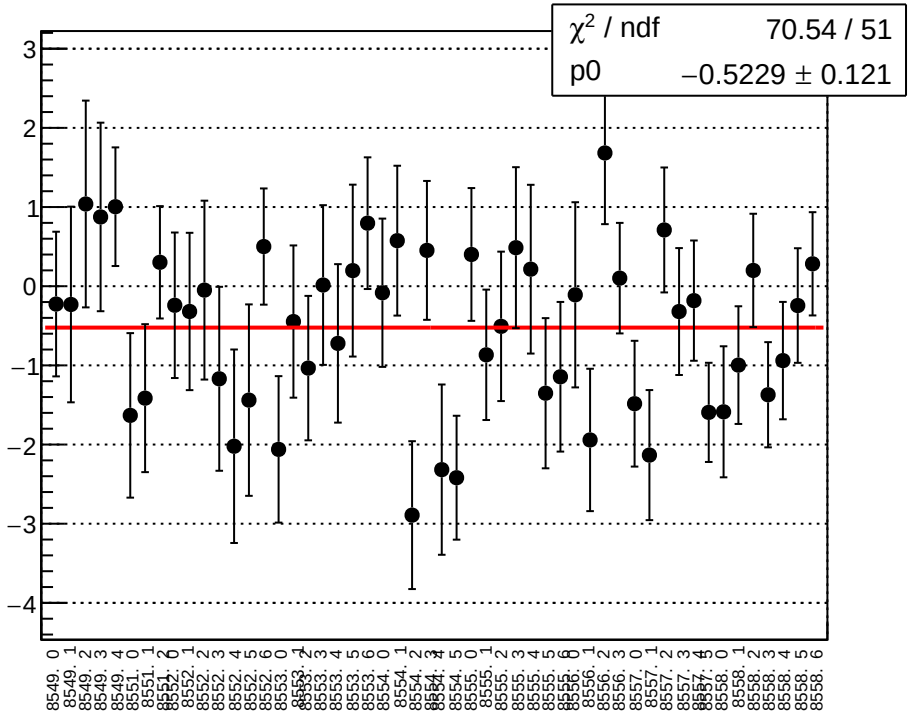
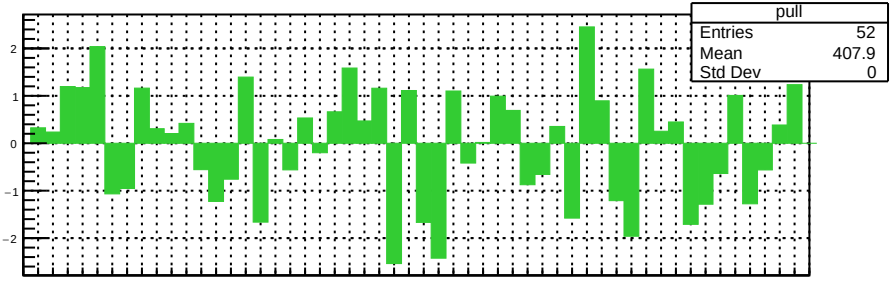
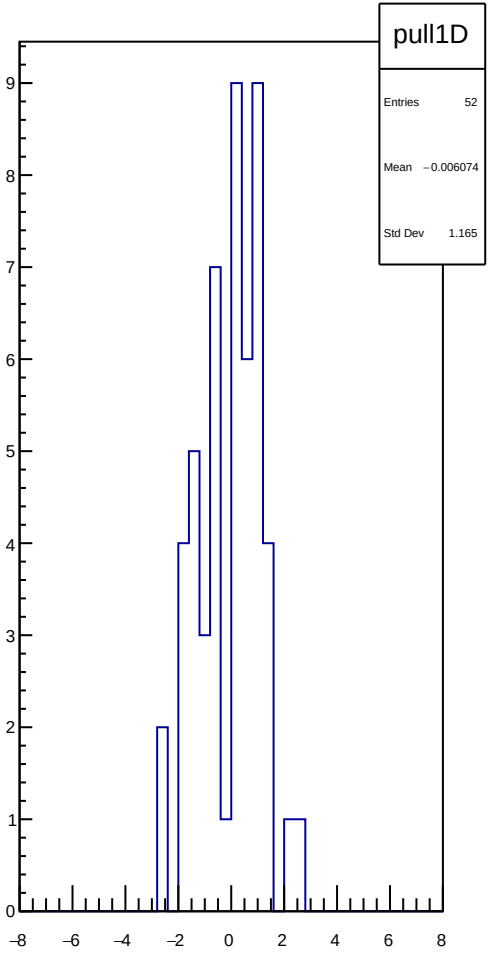
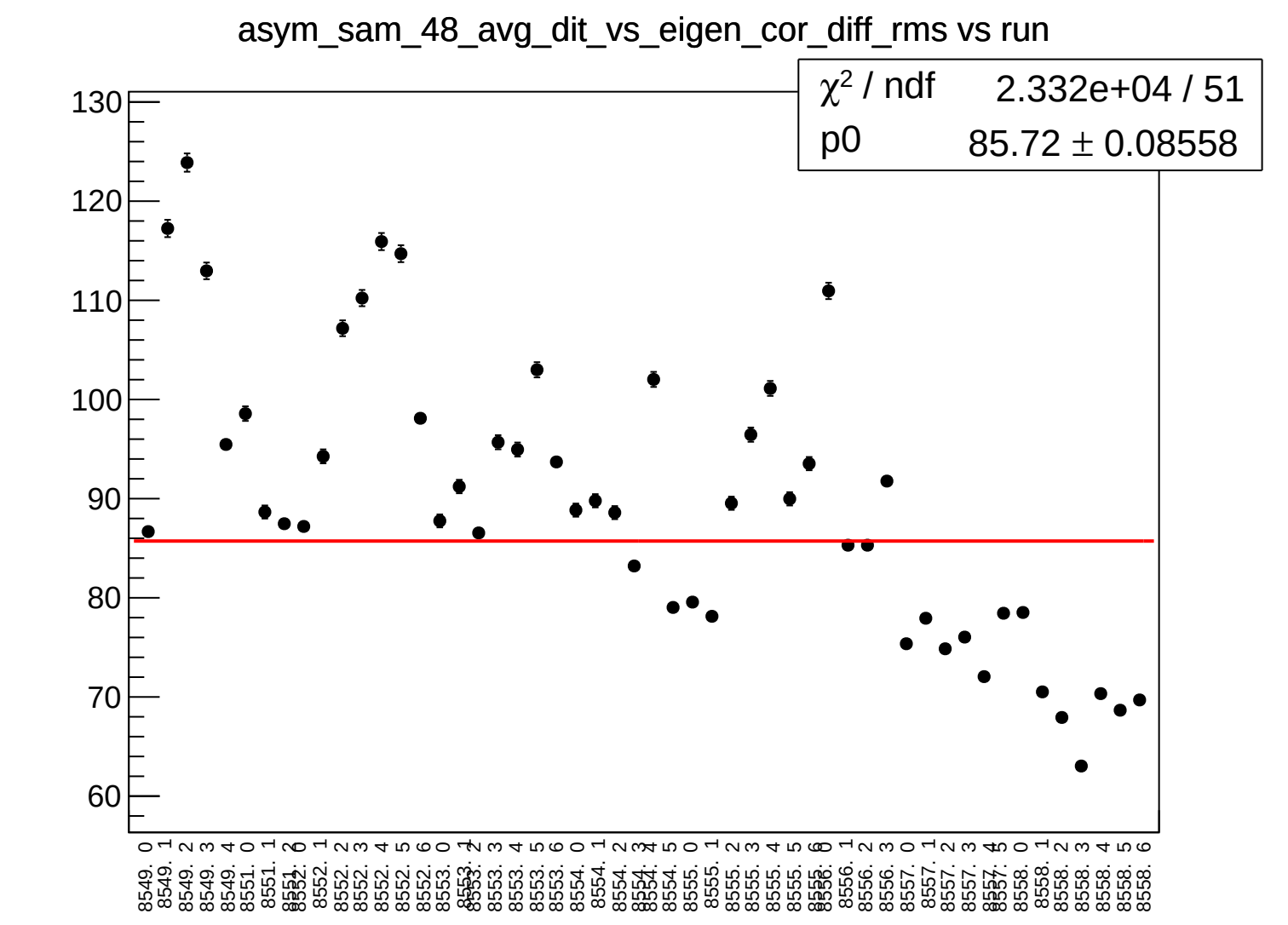
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

asym_sam_48_avg_dit_vs_eigen_cor_diff_mean vs run








asym_sam_48_avg_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 2.332e+04 / 51
p0 85.72 ± 0.08558
130
120
110
100
90
80
70
60
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 5
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
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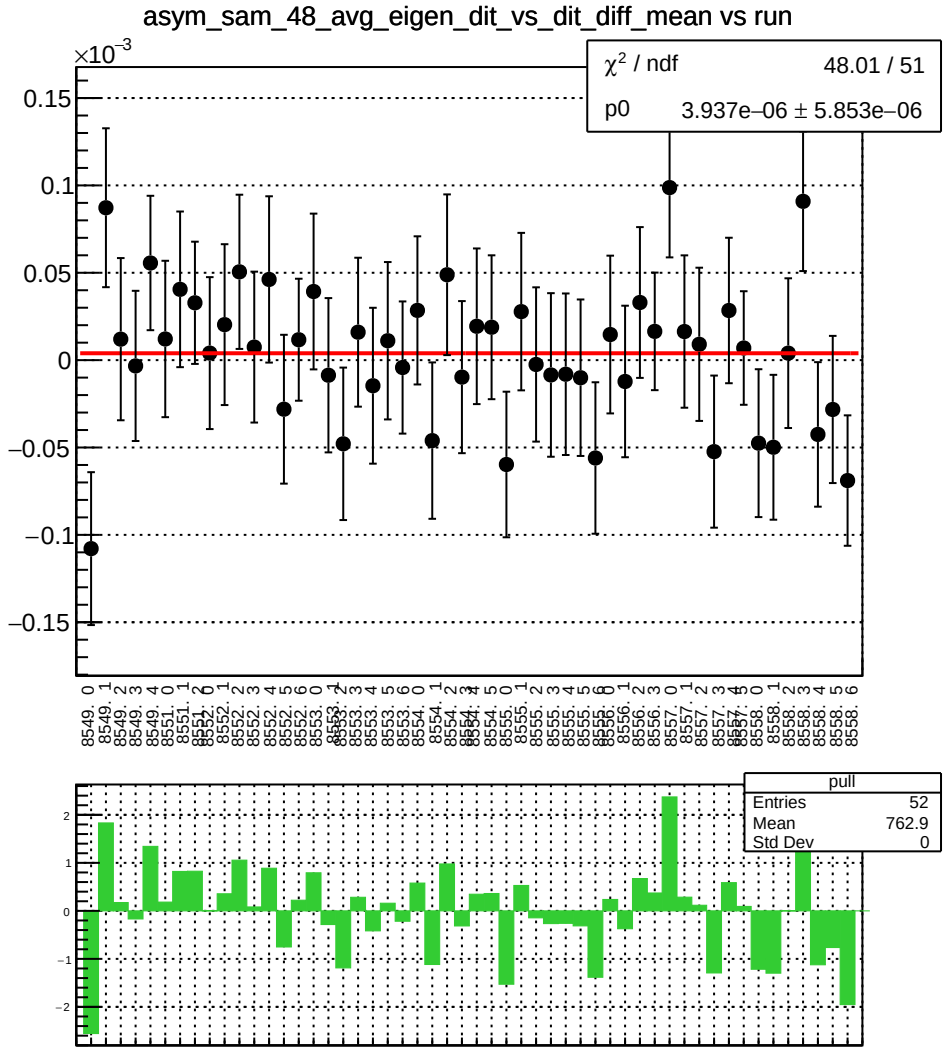
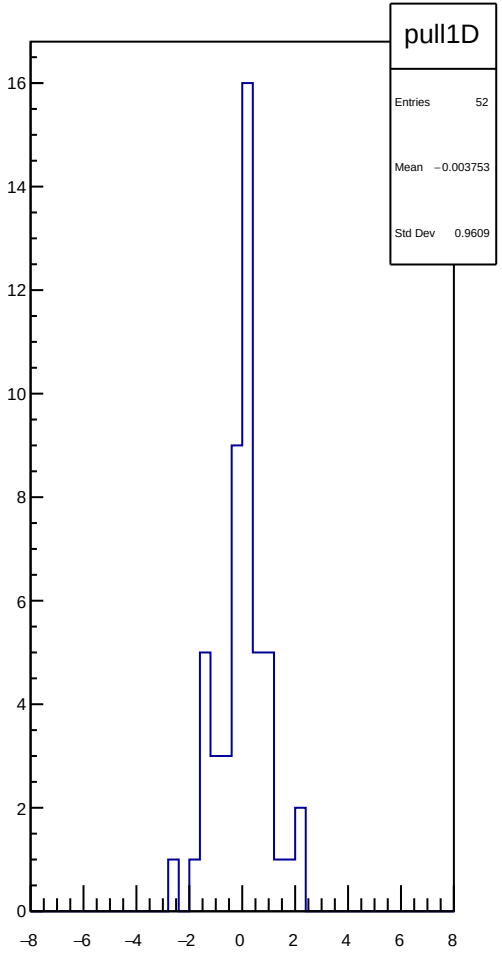
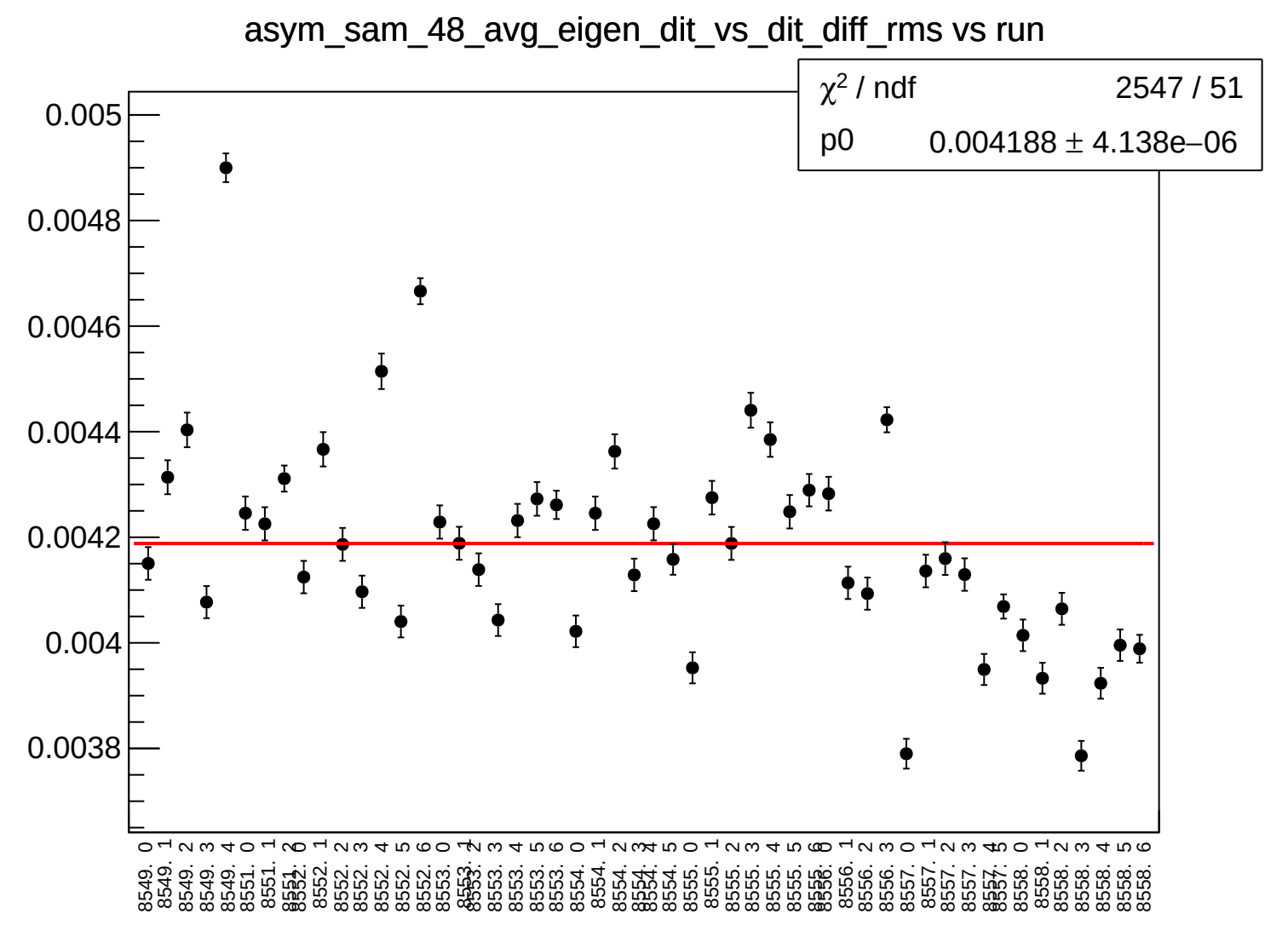
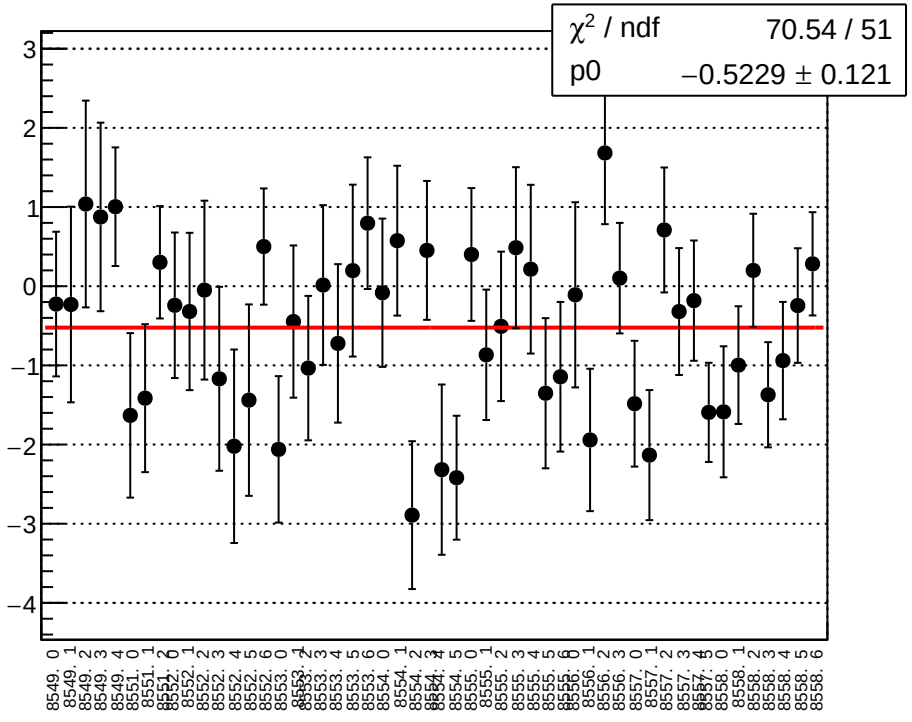
8558. 6

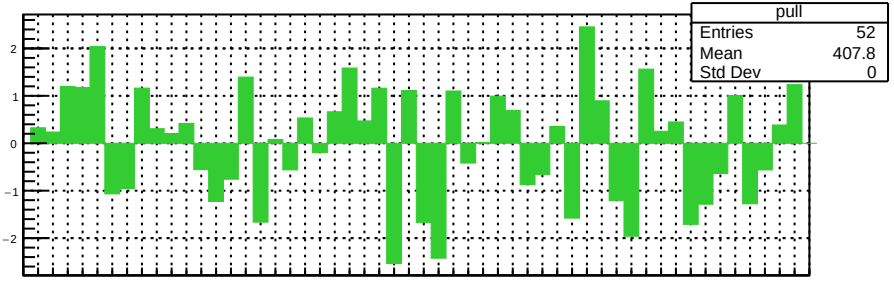

asym_sam_48_avg_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 48.01 / 51
p0 3.937e−06 ± 5.853e−06
pull
Entries 52
Mean 762.9
Std Dev 0

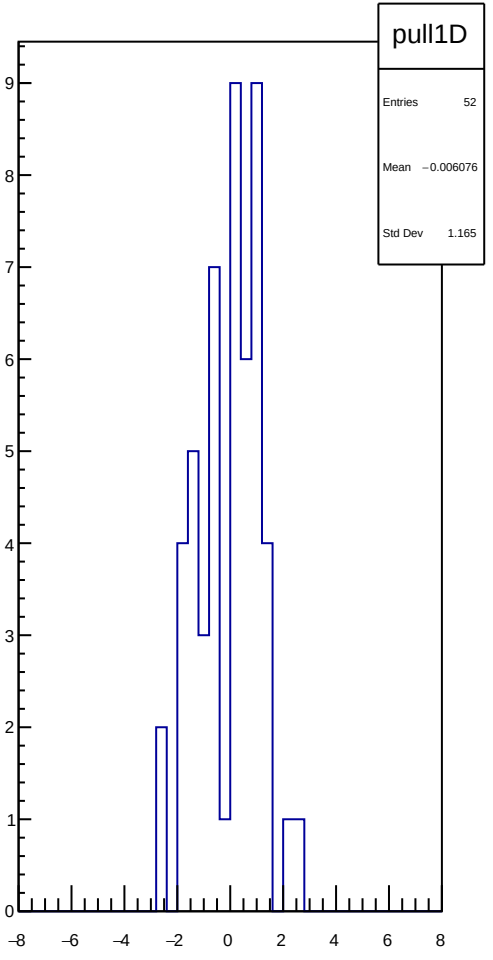

pull1D
Entries 52
Mean −0.003753
Std Dev 0.9609

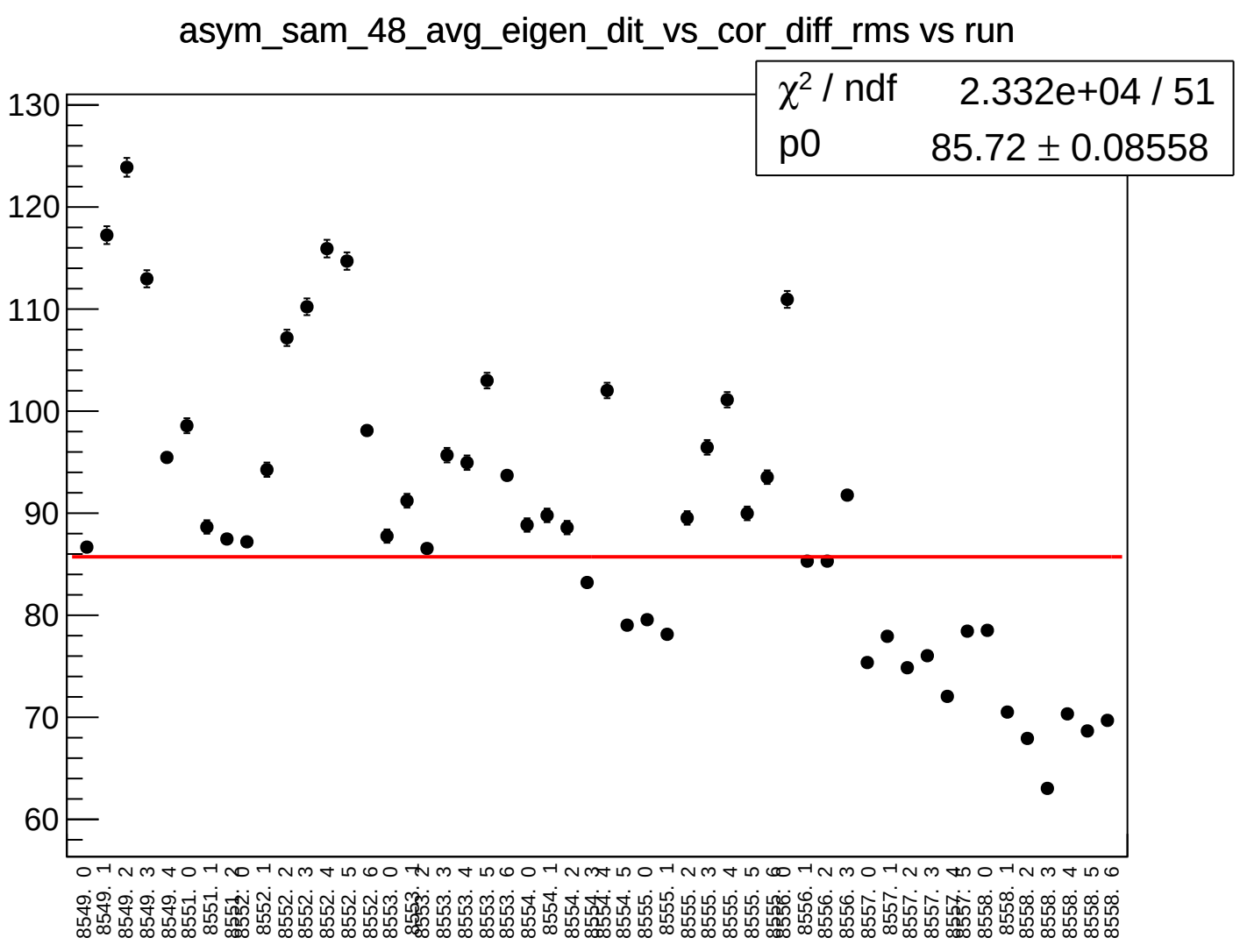

asym_sam_48_avg_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 2547 / 51
p0 0.004188 ± 4.138e−06
0.005
0.0048
0.0046
0.0044
0.0042
0.004
0.0038
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

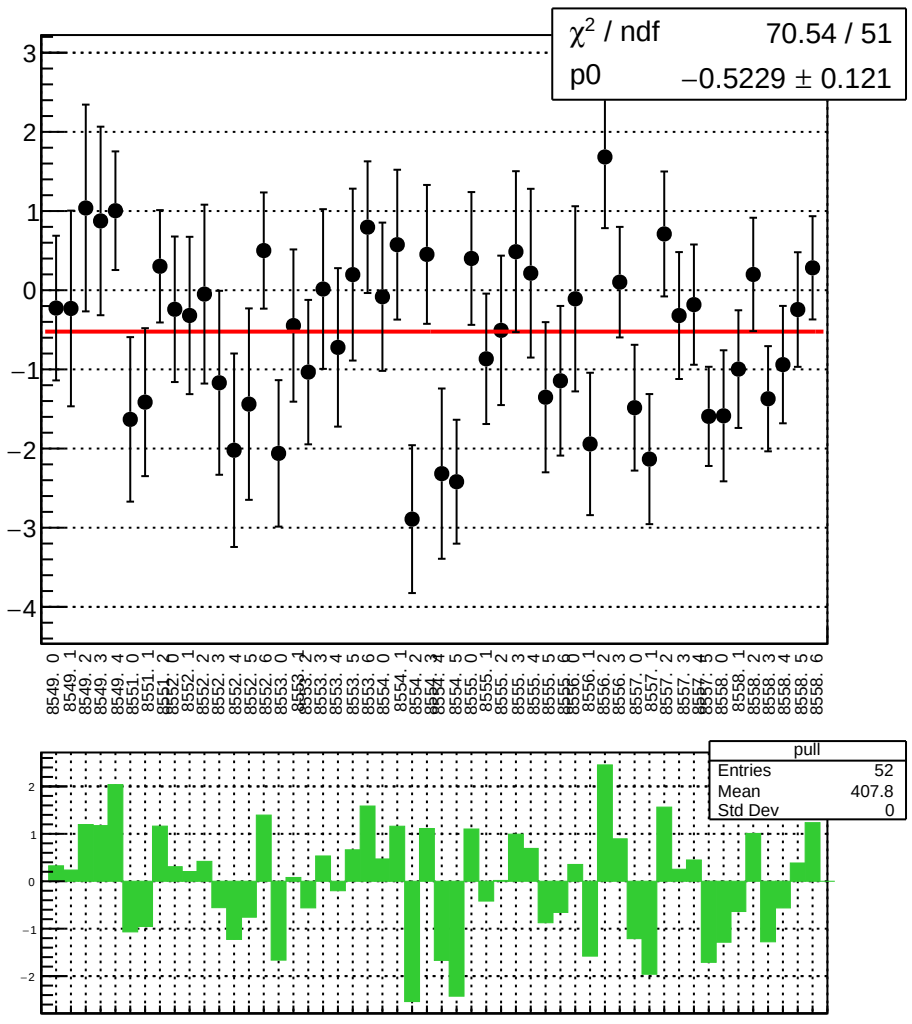
asym_sam_48_avg_eigen_dit_vs_cor_diff_mean vs run

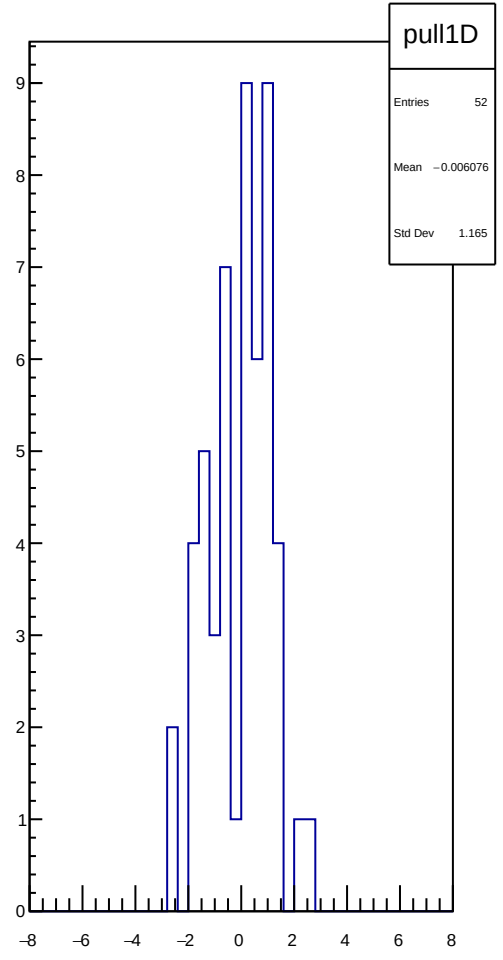


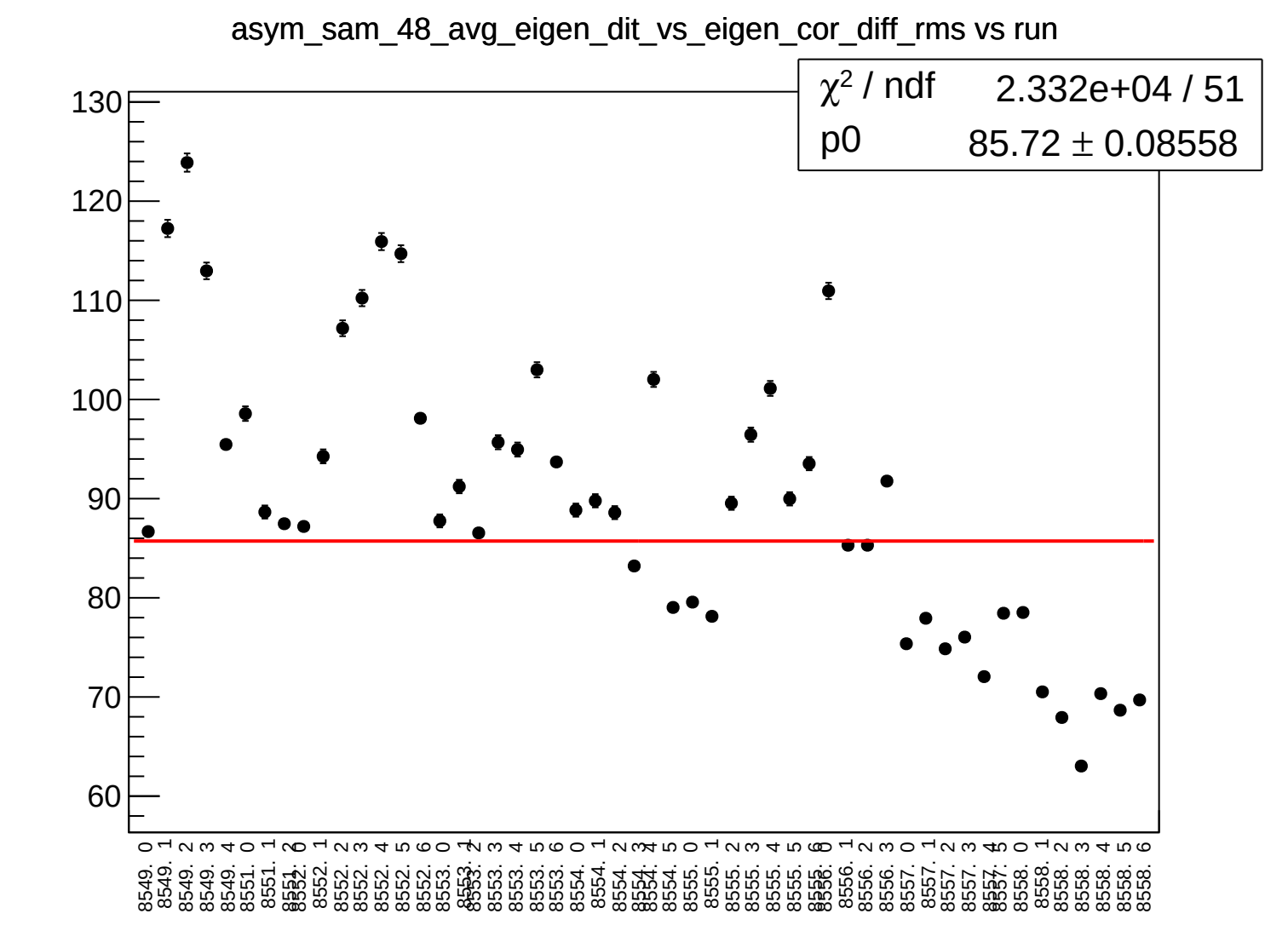


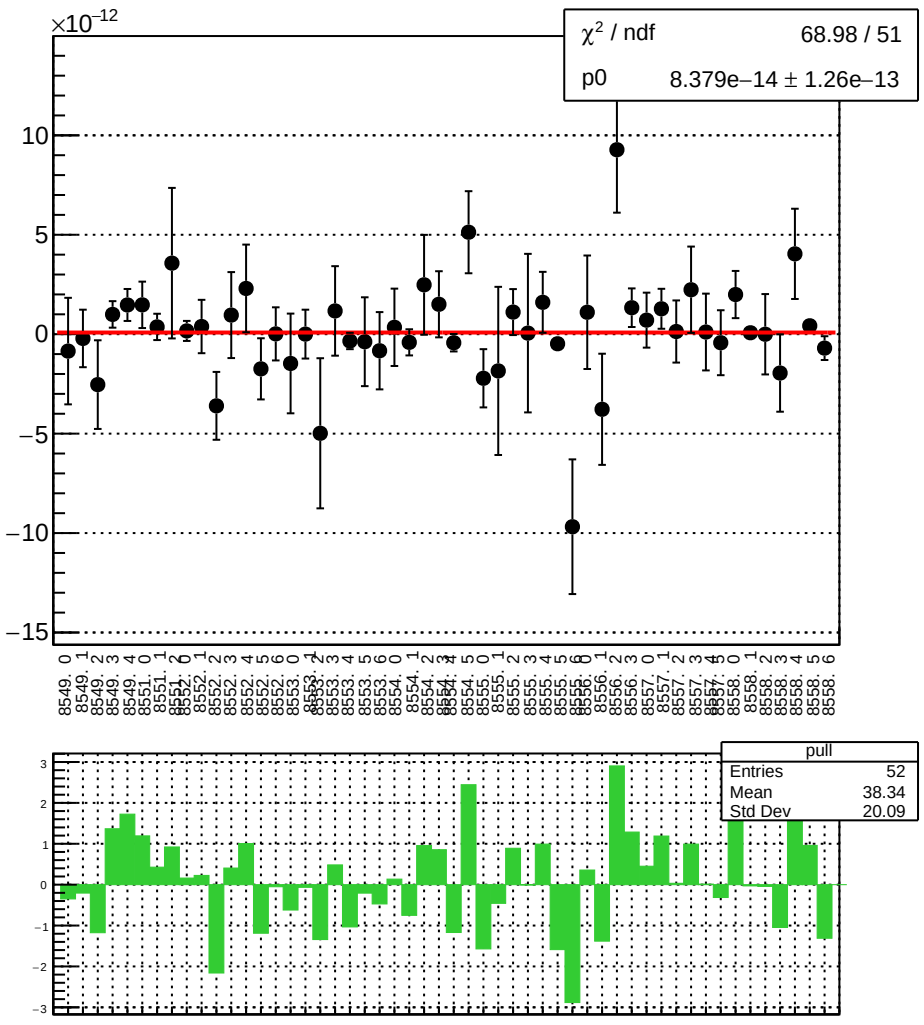


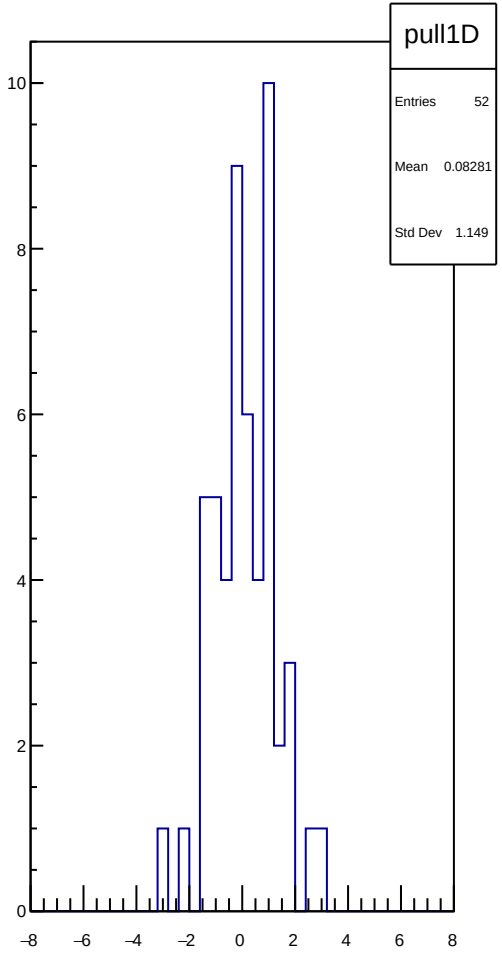

asym_sam_48_avg_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 2.332e+04 / 51
p0 85.72 ± 0.08558
130
120
110
100
90
80
70
60
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 5
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

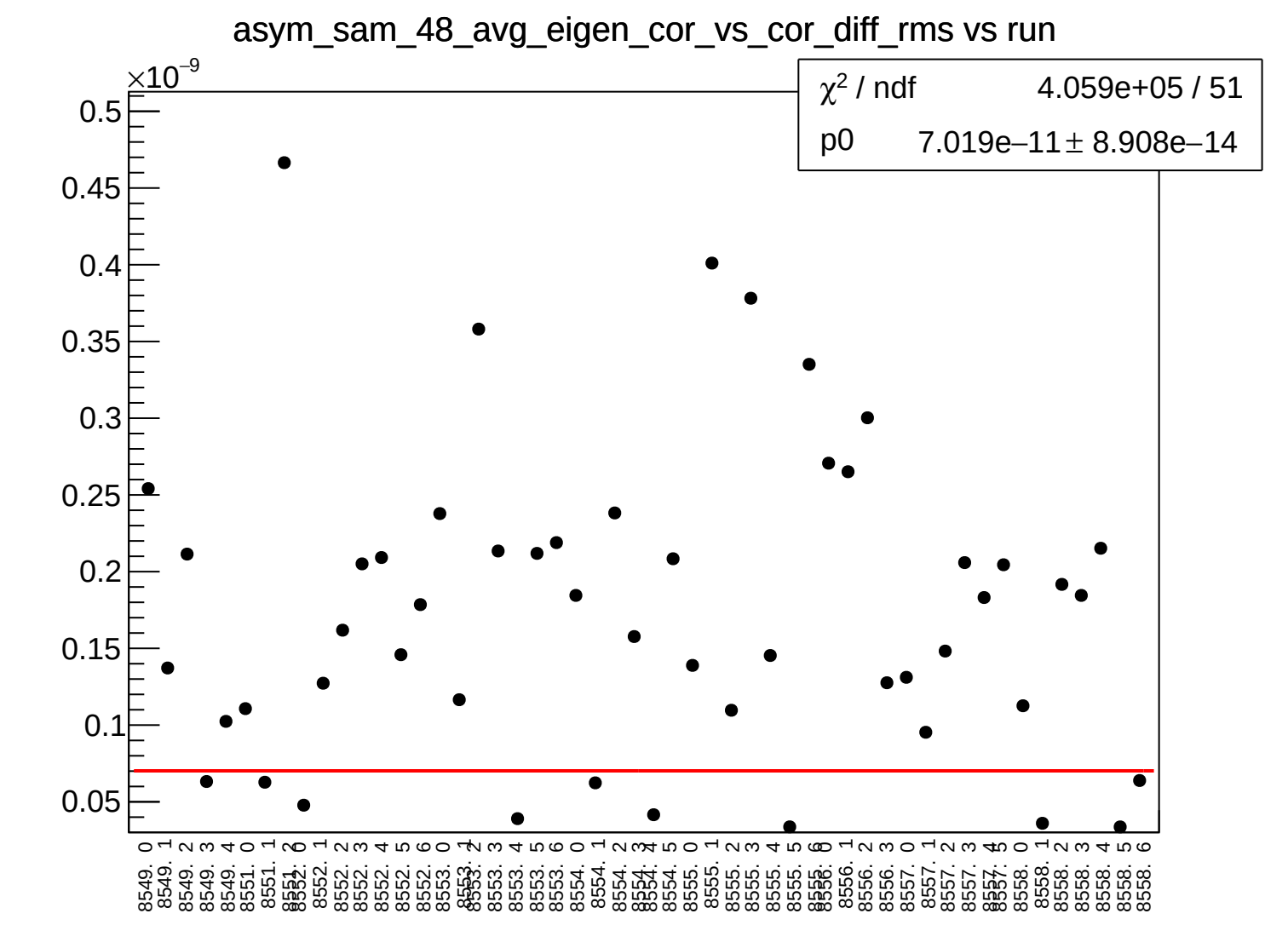

asym_sam_48_avg_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 70.54 / 51
p0 −0.5229 ± 0.121
pull
Entries 52
Mean 407.8
Std Dev 0

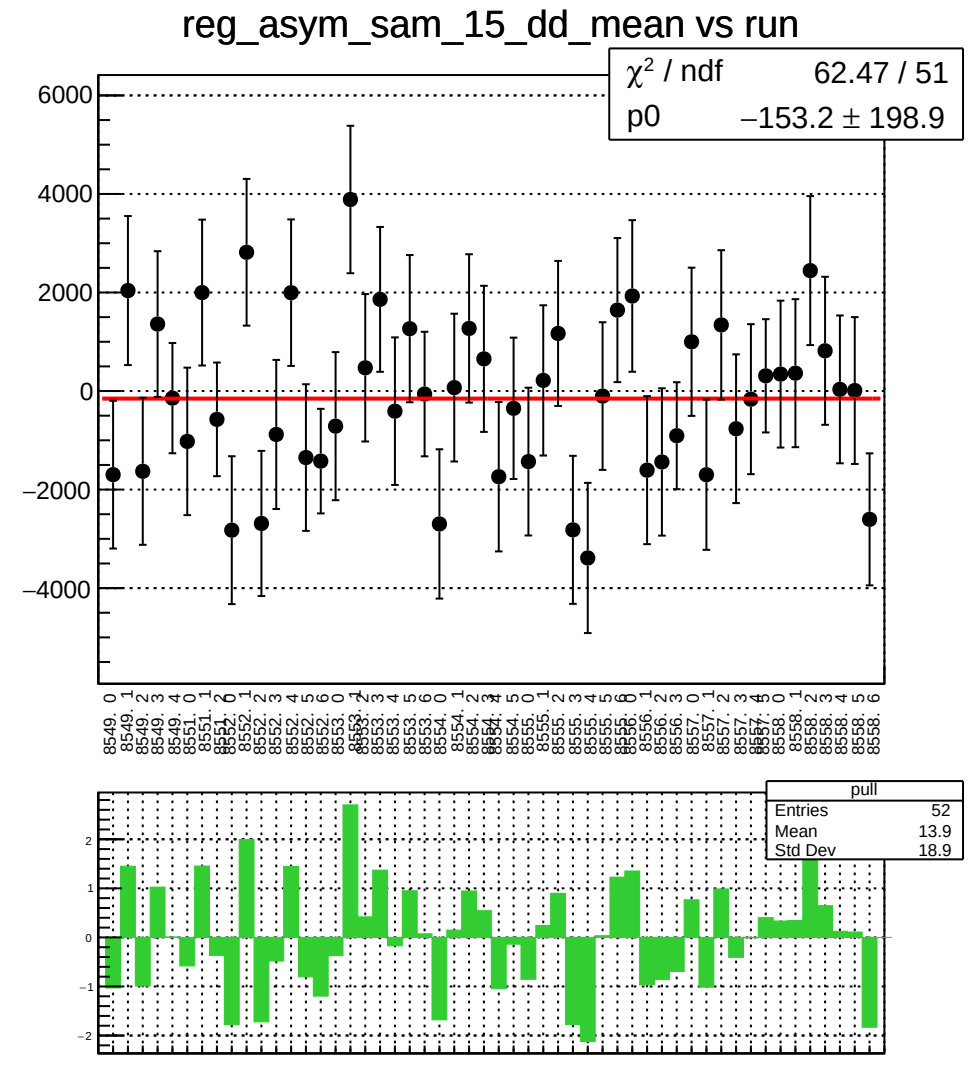

pull1D
Entries 52
Mean −0.006076
Std Dev 1.165

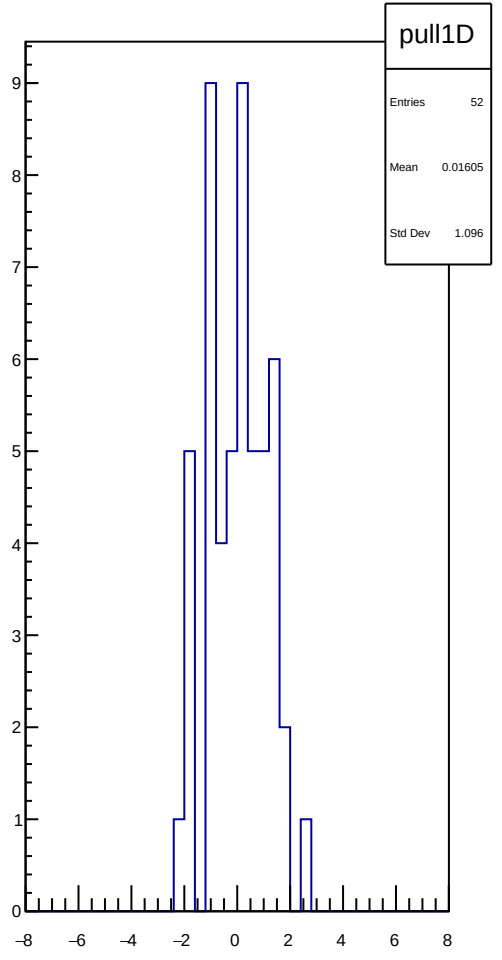

asym_sam_48_avg_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 2.332e+04 / 51
p0 85.72 ± 0.08558
130
120
110
100
90
80
70
60
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 5
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

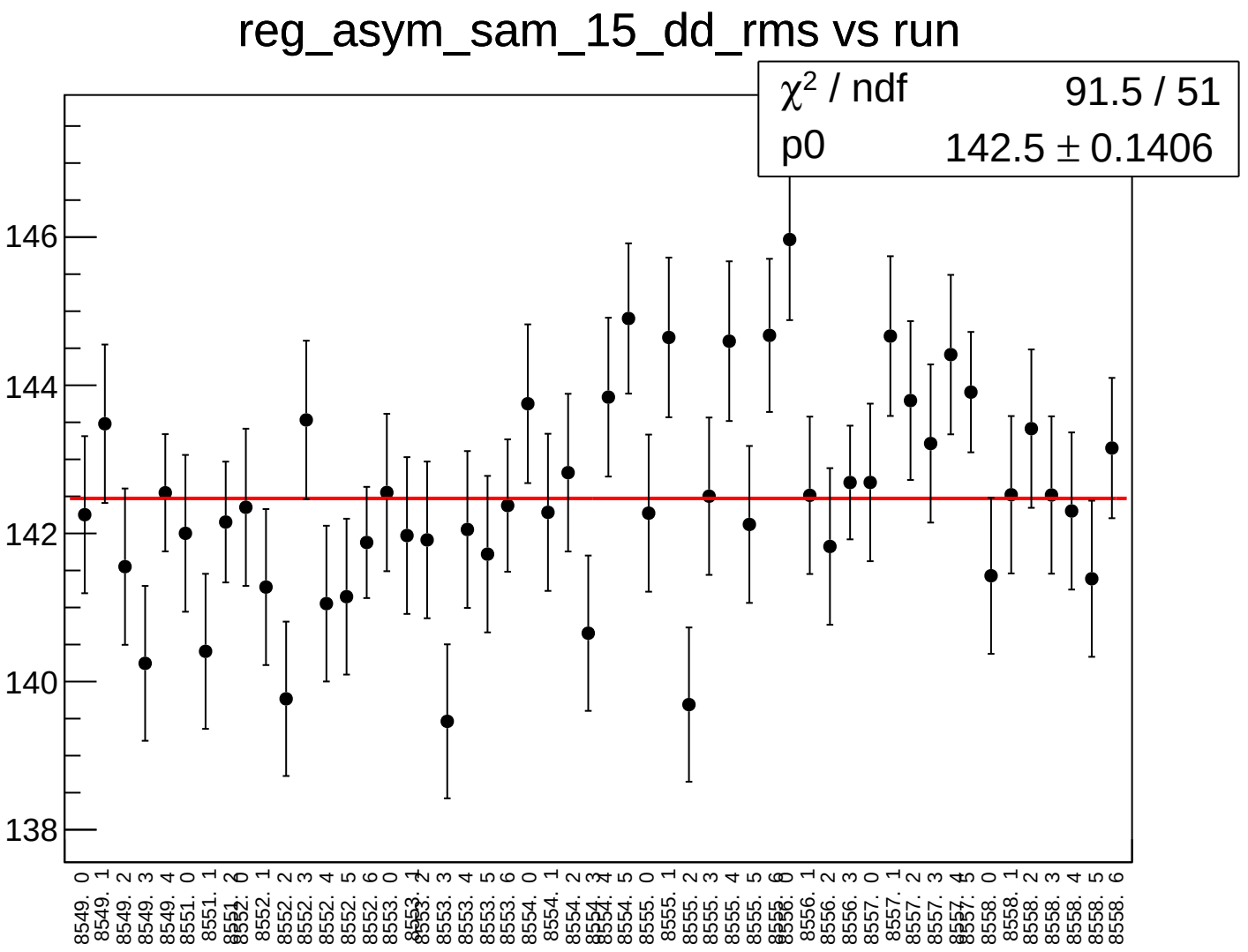

asym_sam_48_avg_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 68.98 / 51
p0 8.379e−14 ± 1.26e−13
pull
Entries 52
Mean 38.34
Std Dev 20.09

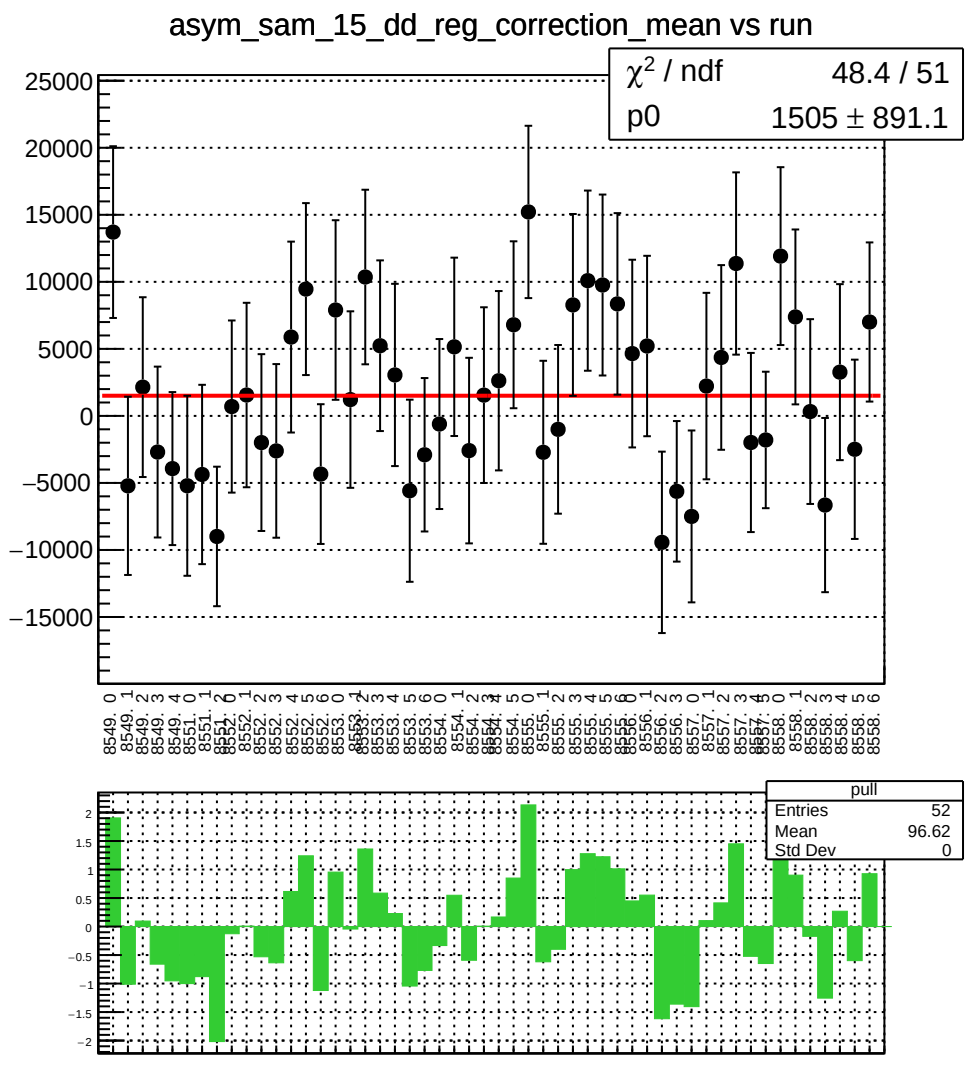

pull1D
Entries 52
Mean 0.08281
Std Dev 1.149

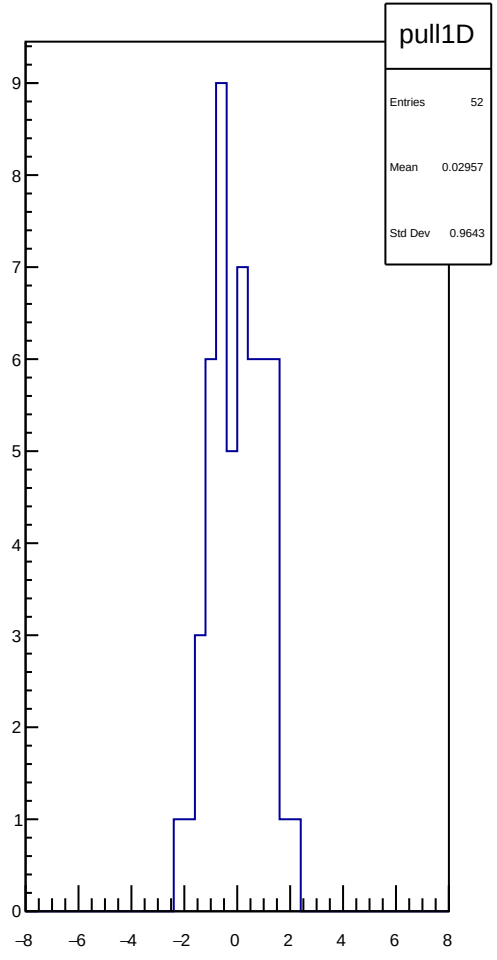

asym_sam_48_avg_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 4.059e+05 / 51
p0 7.019e−11 ± 8.908e−14
0.5
0.45
0.4
0.35
0.3
0.25
0.2
0.15
0.1
0.05
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 0
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 2
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 5
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

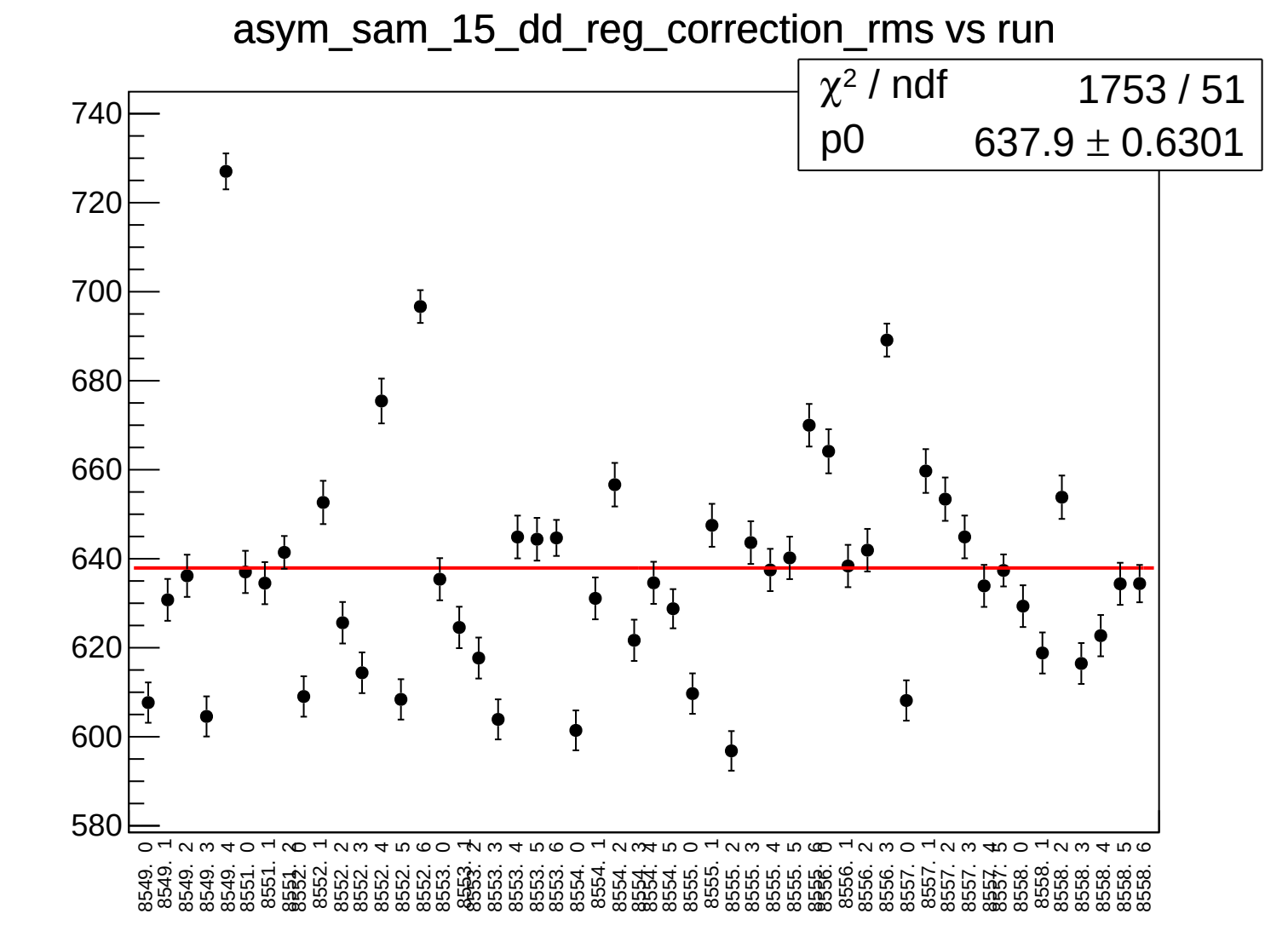

reg_asym_sam_15_dd_mean vs run
χ² / ndf 62.47 / 51
p0 −153.2 ± 198.9
6000
4000
2000
0
−2000
−4000
pull
Entries 52
Mean 13.9
Std Dev 18.9
2
1
0
−1
−2

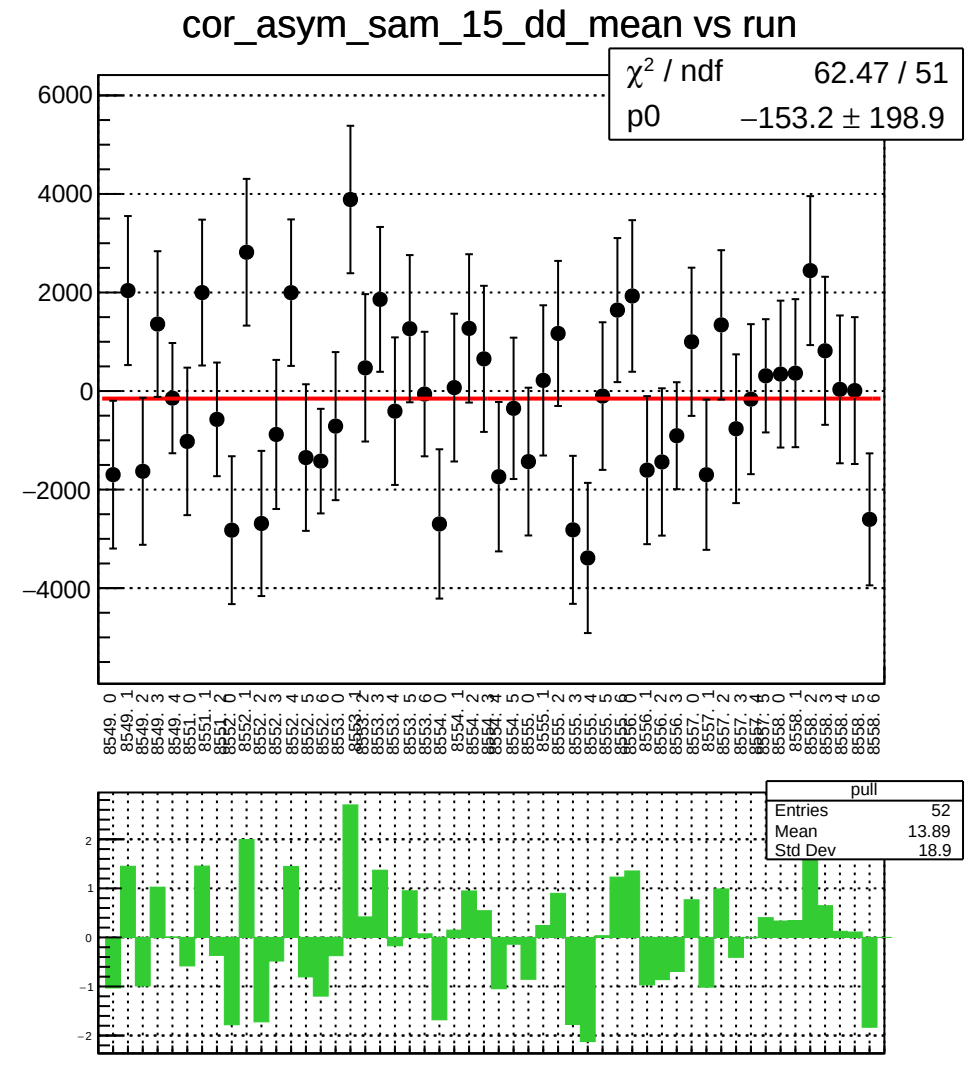

pull1D
Entries 52
Mean 0.01605
Std Dev 1.096
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

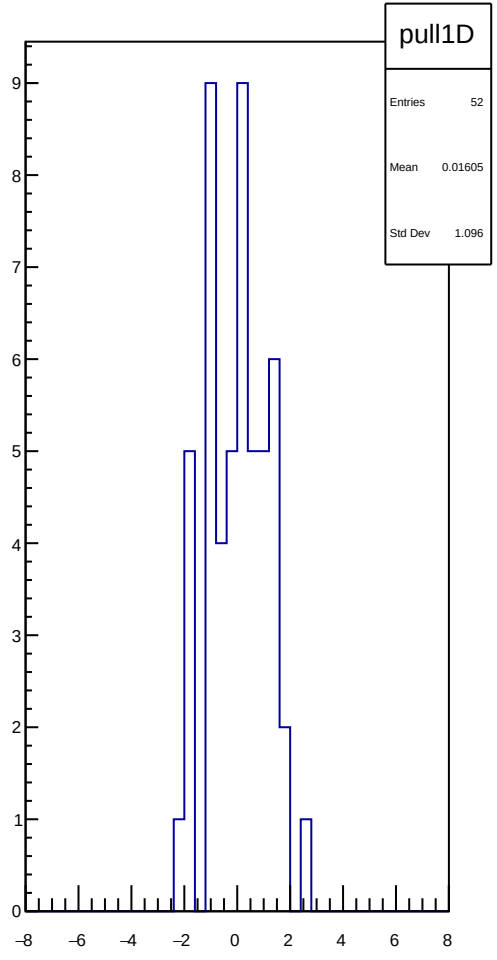

reg_asym_sam_15_dd_rms vs run
χ² / ndf 91.5 / 51
p0 142.5 ± 0.1406
146
144
142
140
138
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 5
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

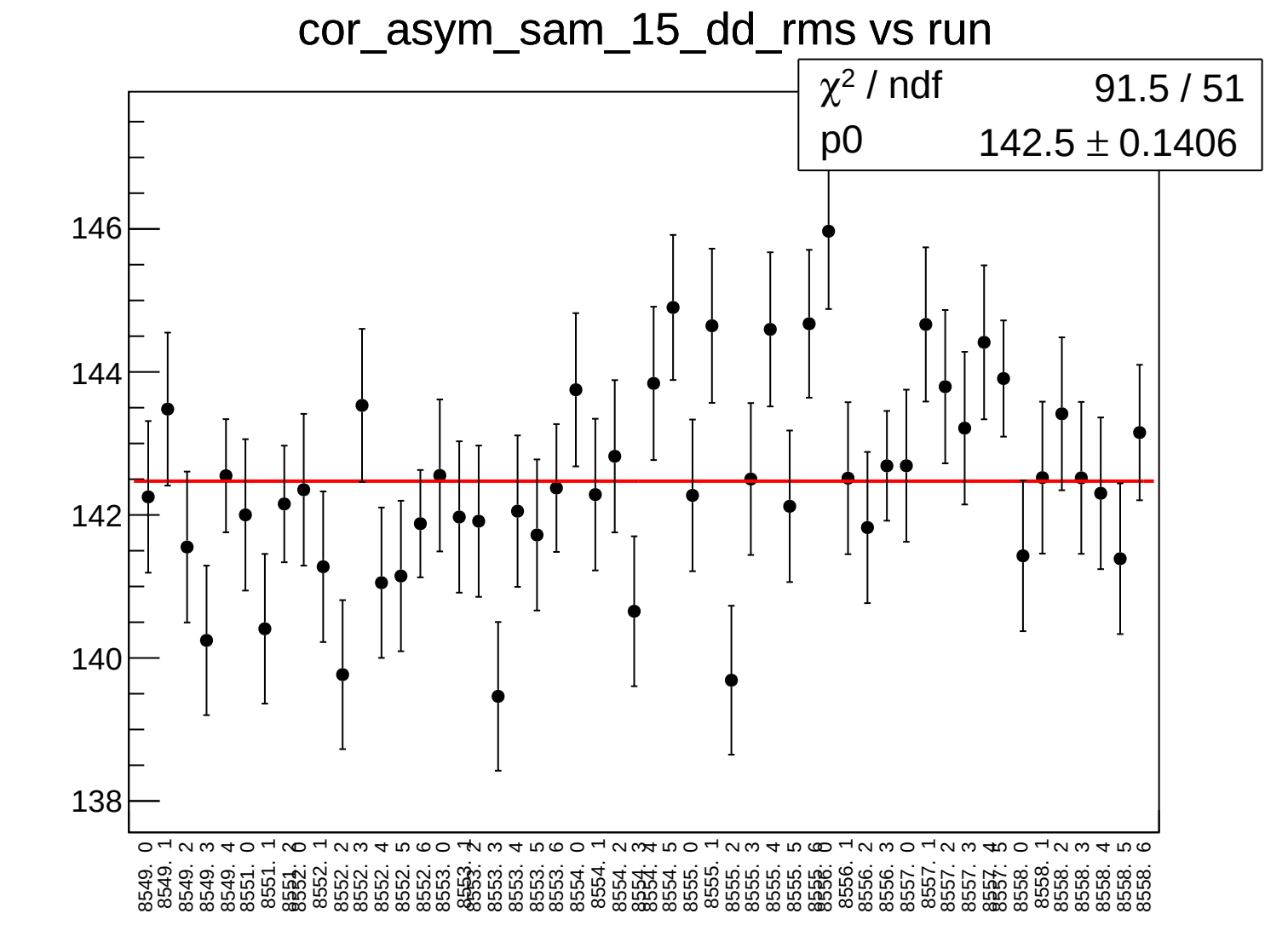

asym_sam_15_dd_reg_correction_mean vs run
χ² / ndf 48.4 / 51
p0 1505 ± 891.1
pull
Entries 52
Mean 96.62
Std Dev 0


pull1D
Entries 52
Mean 0.02957
Std Dev 0.9643


asym_sam_15_dd_reg_correction_rms vs run
χ² / ndf 1753 / 51
p0 637.9 ± 0.6301
740
720
700
680
660
640
620
600
580
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 5
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6


cor_asym_sam_15_dd_mean vs run
χ² / ndf 62.47 / 51
p0 −153.2 ± 198.9
pull
Entries 52
Mean 13.89
Std Dev 18.9


pull1D
Entries 52
Mean 0.01605
Std Dev 1.096


cor_asym_sam_15_dd_rms vs run
χ^2 / ndf 91.5 / 51
p0 142.5 ± 0.1406
146
144
142
140
138
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 5
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
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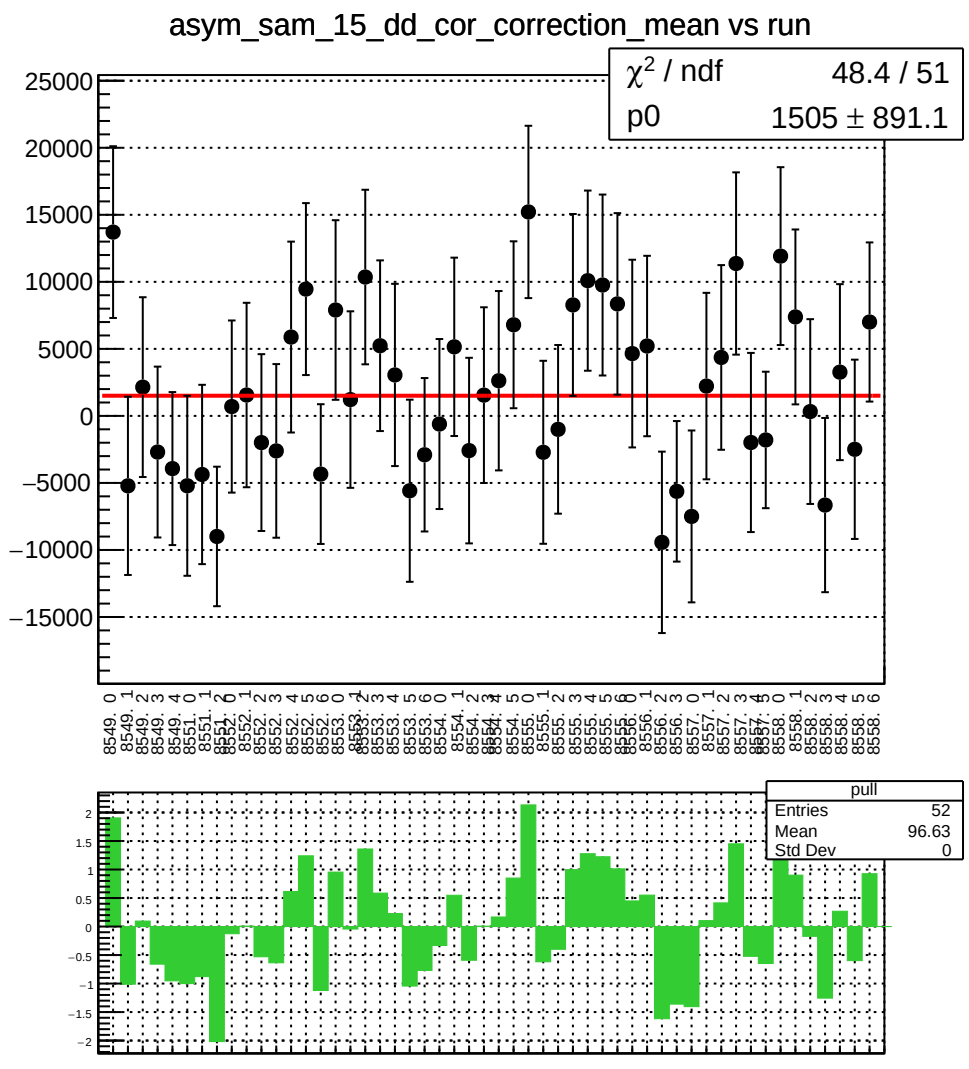
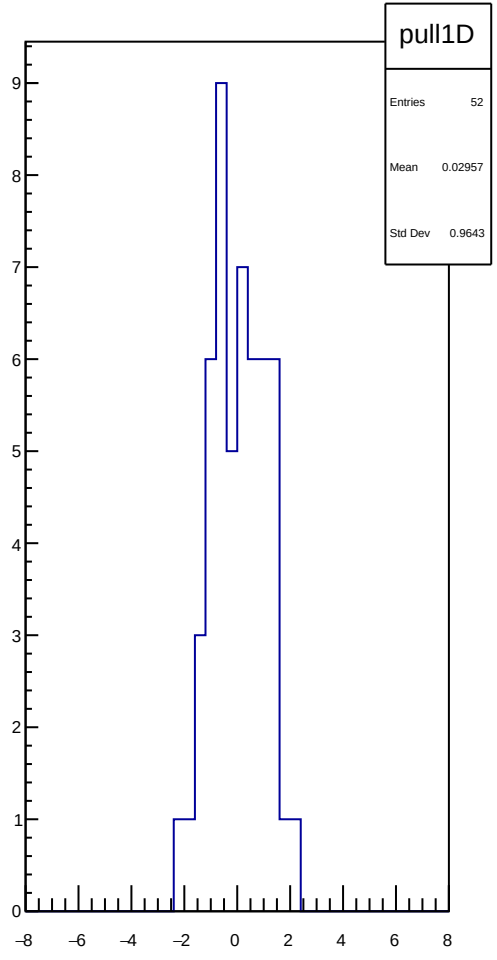
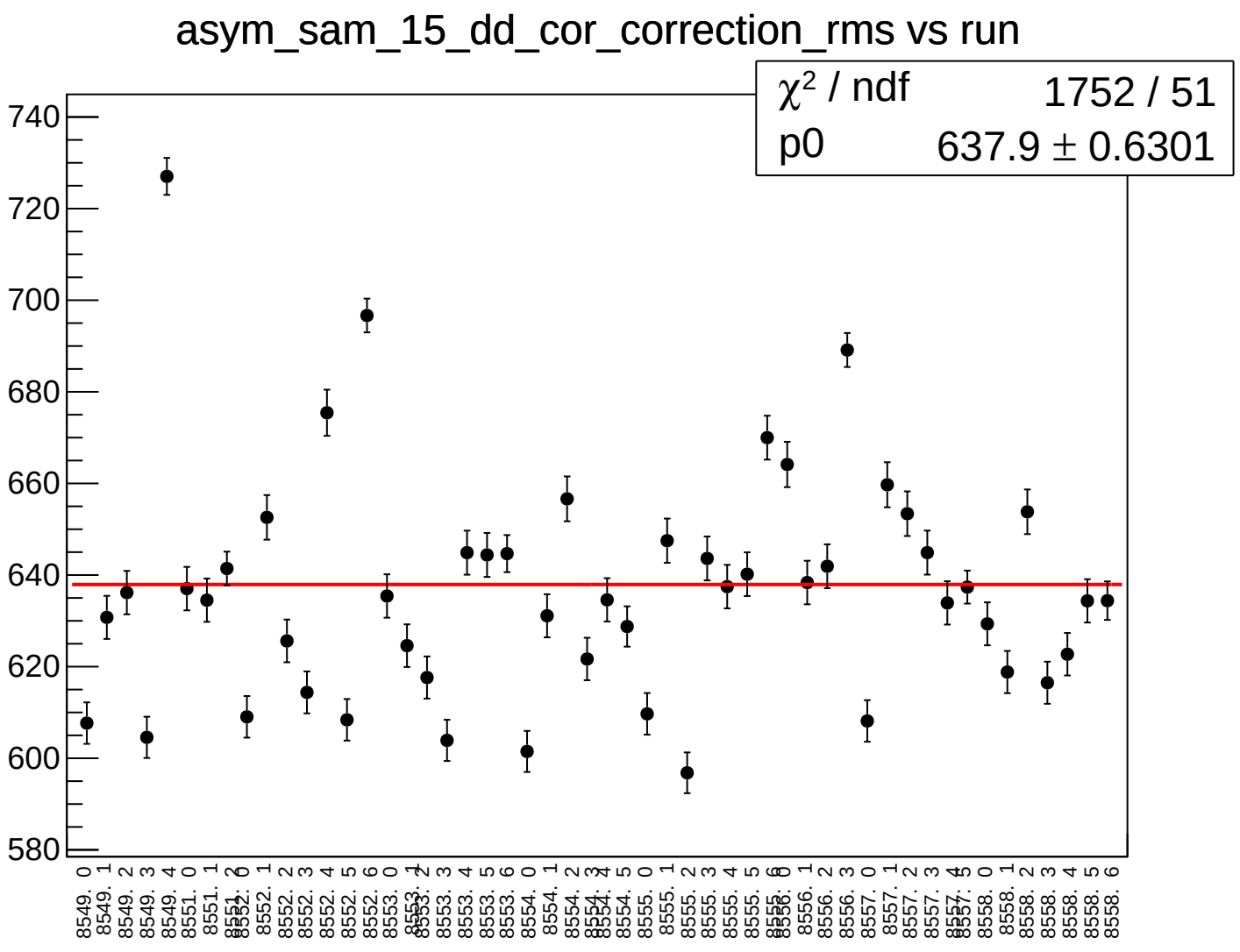
8558. 5
8558. 6


asym_sam_15_dd_cor_correction_mean vs run
χ² / ndf 48.4 / 51
p0 1505 ± 891.1
pull
Entries 52
Mean 96.63
Std Dev 0


pull1D
Entries 52
Mean 0.02957
Std Dev 0.9643


asym_sam_15_dd_cor_correction_rms vs run
χ² / ndf 1752 / 51
p0 637.9 ± 0.6301
740
720
700
680
660
640
620
600
580
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 5
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
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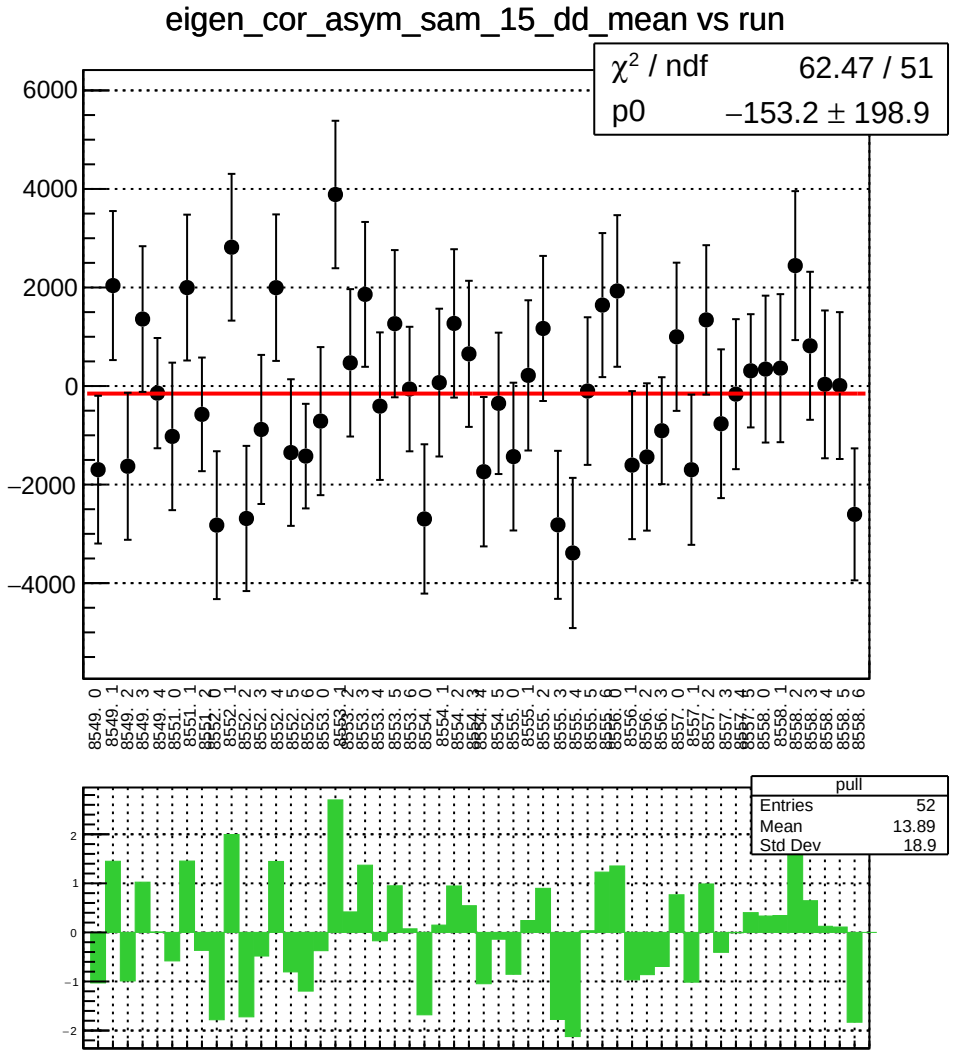
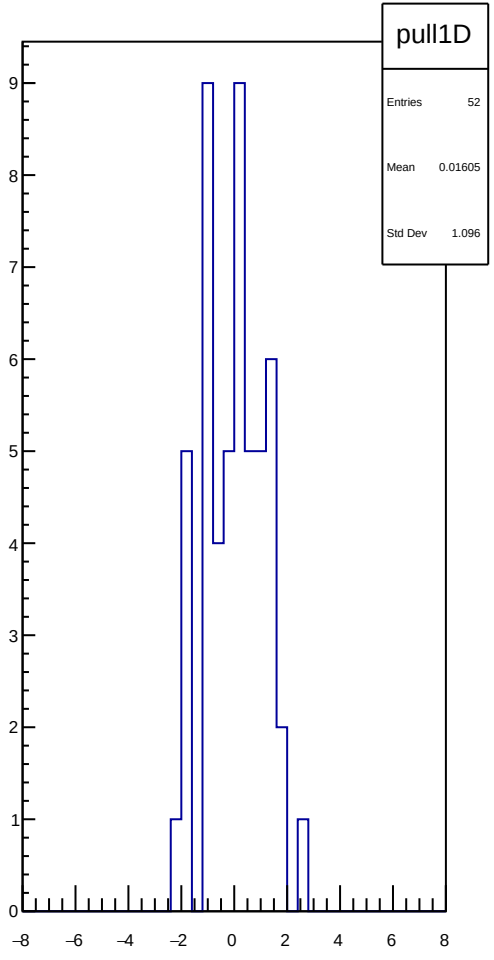
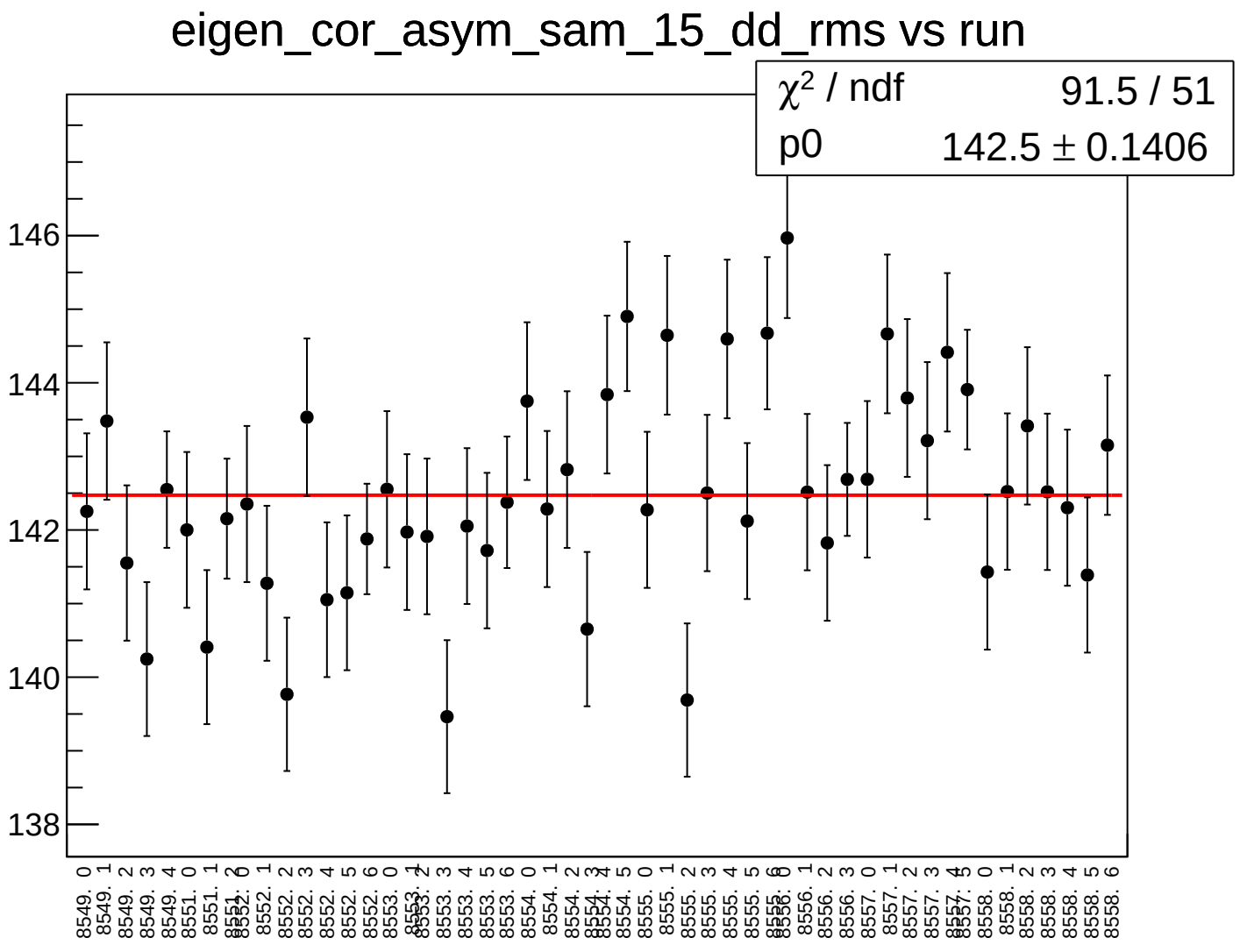
8558. 5
8558. 6


eigen_cor_asym_sam_15_dd_mean vs run
χ² / ndf 62.47 / 51
p0 −153.2 ± 198.9
pull
Entries 52
Mean 13.89
Std Dev 18.9


pull1D
Entries 52
Mean 0.01605
Std Dev 1.096


eigen_cor_asym_sam_15_dd_rms vs run
χ² / ndf 91.5 / 51
p0 142.5 ± 0.1406
146
144
142
140
138
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 5
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
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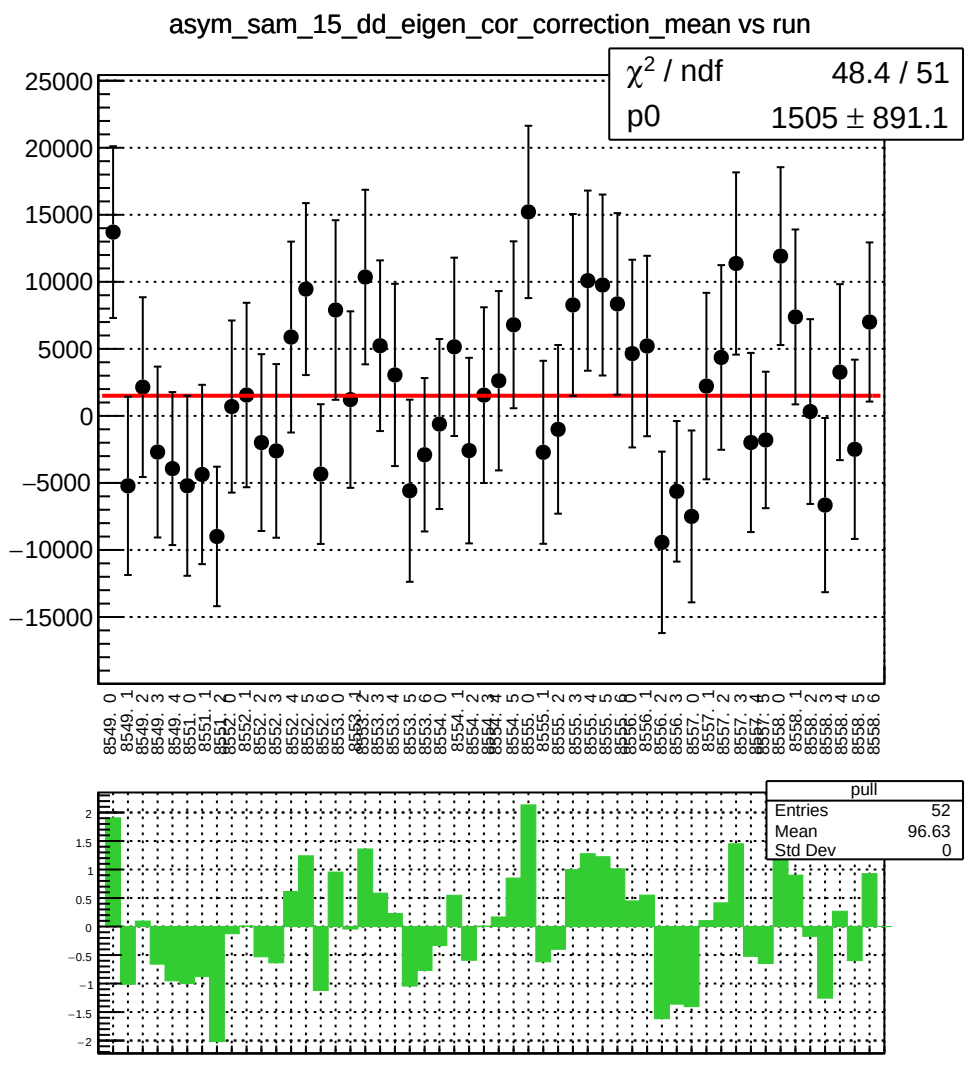
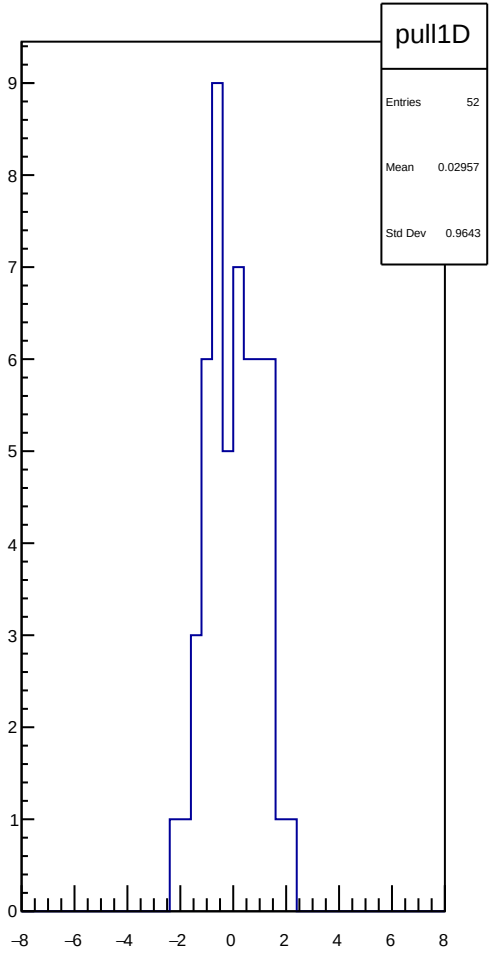
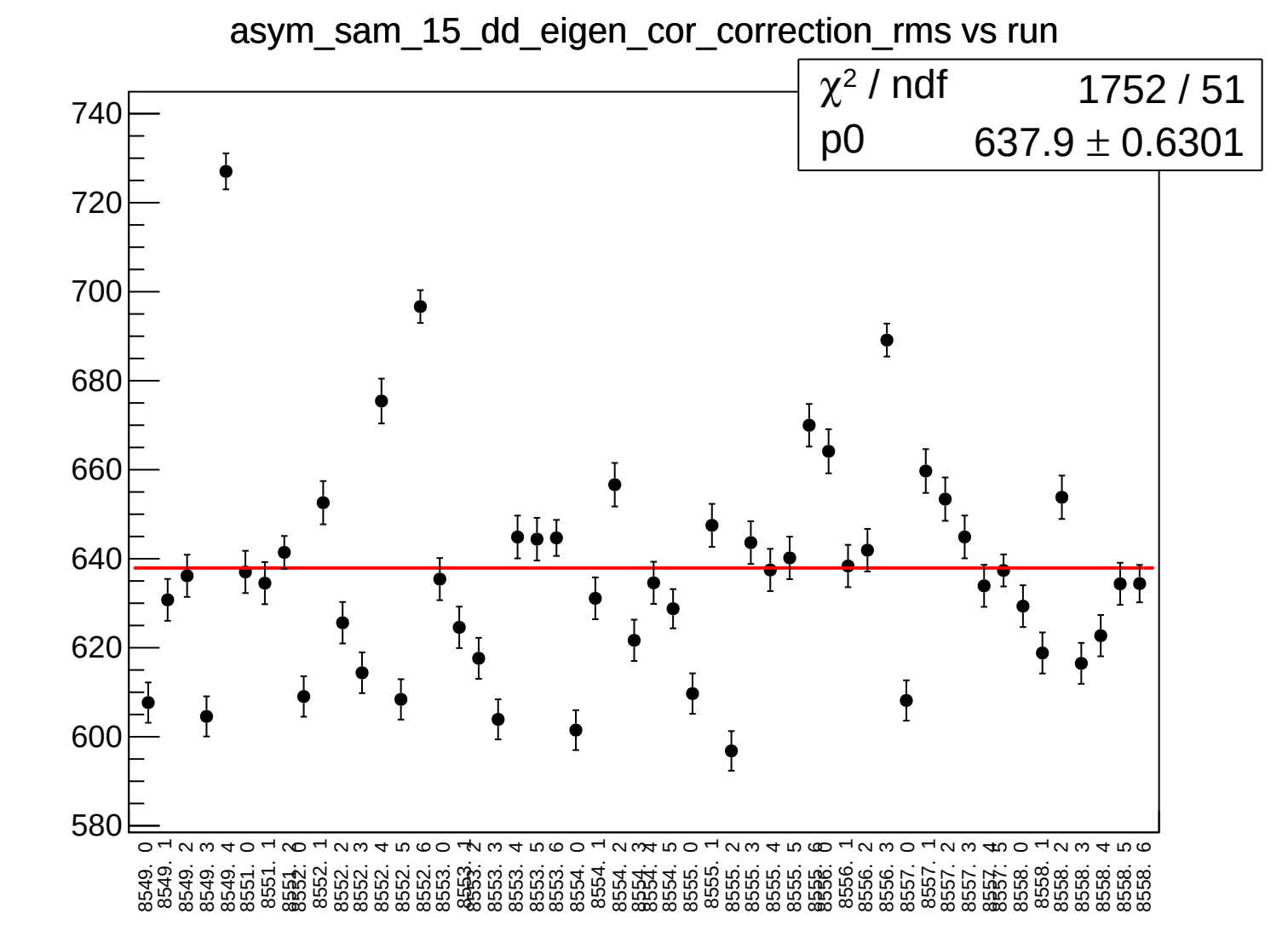
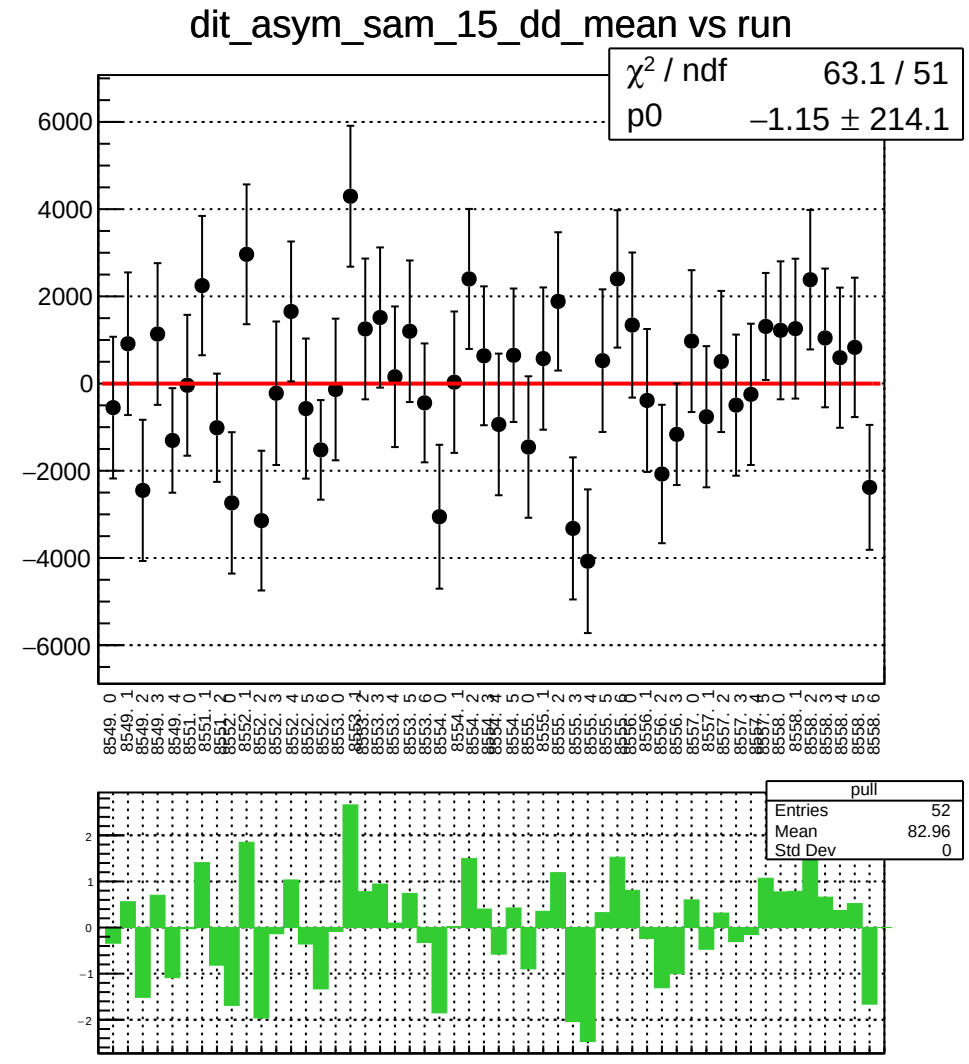
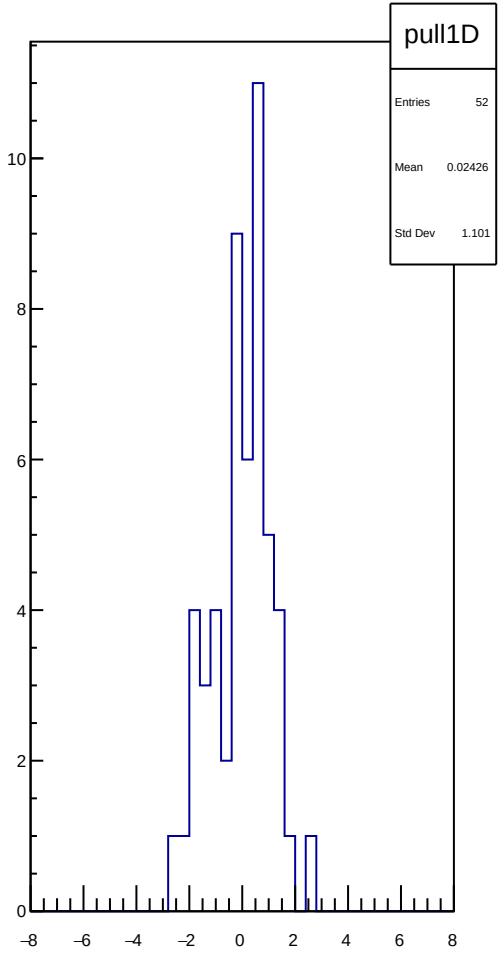
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

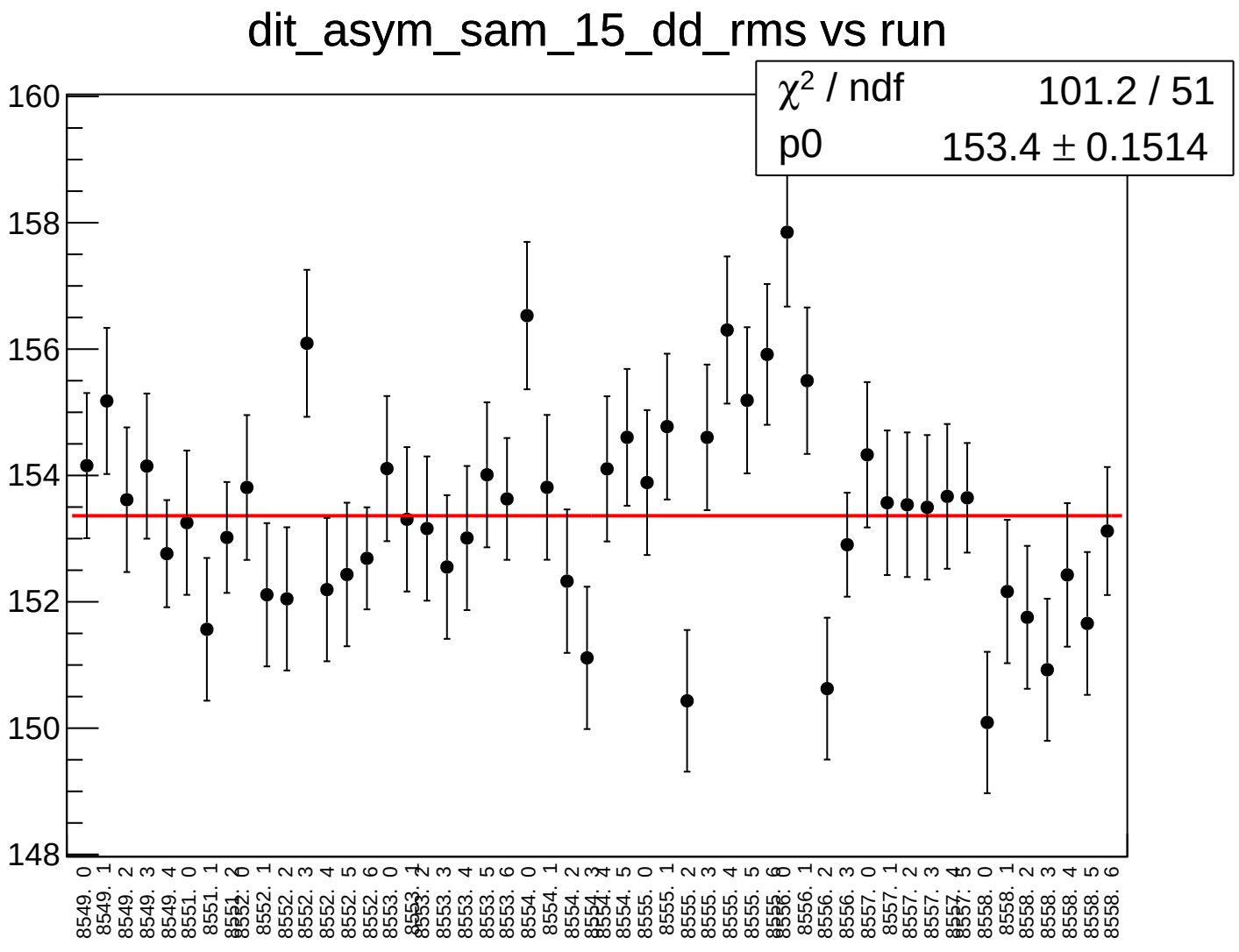

asym_sam_15_dd_eigen_cor_correction_mean vs run
χ² / ndf 48.4 / 51
p0 1505 ± 891.1
pull
Entries 52
Mean 96.63
Std Dev 0


pull1D
Entries 52
Mean 0.02957
Std Dev 0.9643


asym_sam_15_dd_eigen_cor_correction_rms vs run
χ² / ndf 1752 / 51
p0 637.9 ± 0.6301
740
720
700
680
660
640
620
600
580
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 5
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6


dit_asym_sam_15_dd_mean vs run
χ² / ndf 63.1 / 51
p0 −1.15 ± 214.1
pull
Entries 52
Mean 82.96
Std Dev 0


pull1D
Entries 52
Mean 0.02426
Std Dev 1.101


dit_asym_sam_15_dd_rms vs run
χ² / ndf 101.2 / 51
p0 153.4 ± 0.1514
160
158
156
154
152
150
148
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8555. 0
8555. 1
8555. 2
8555. 3
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8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
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8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
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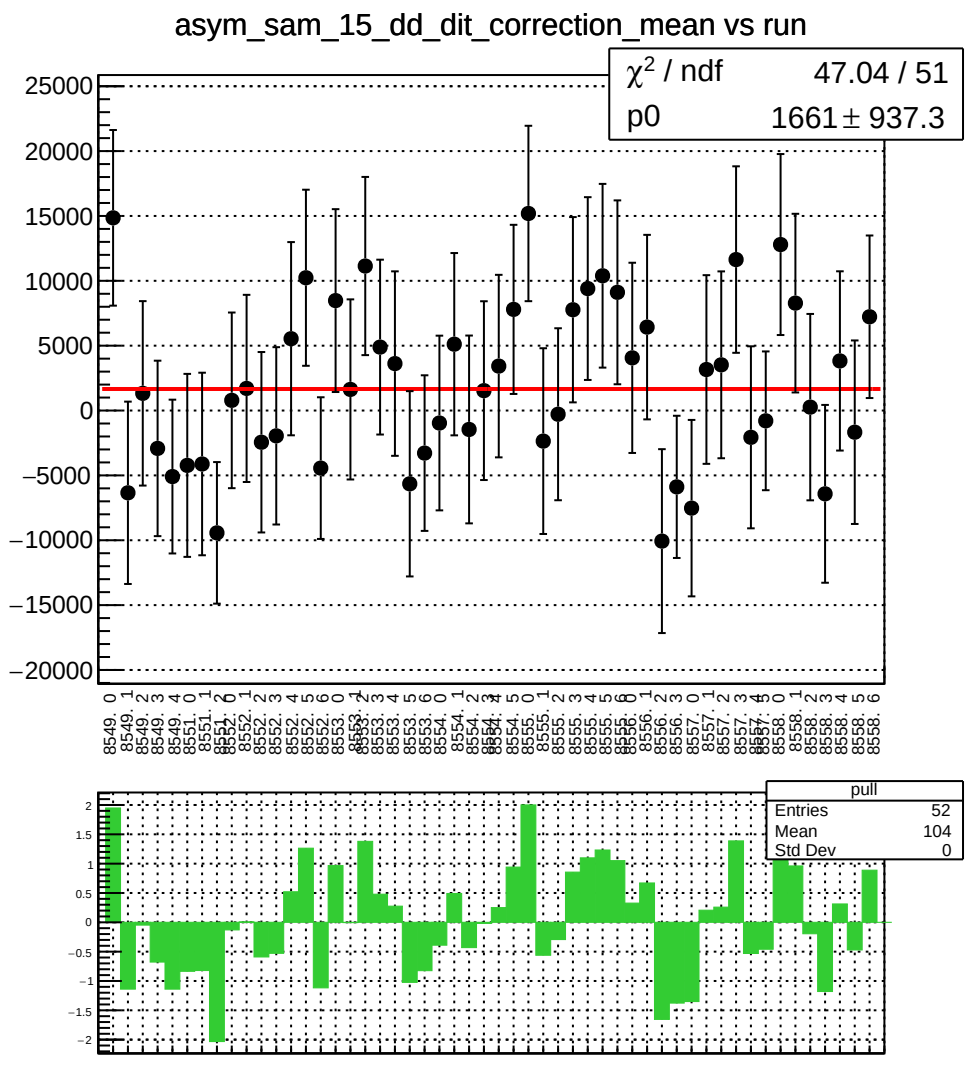
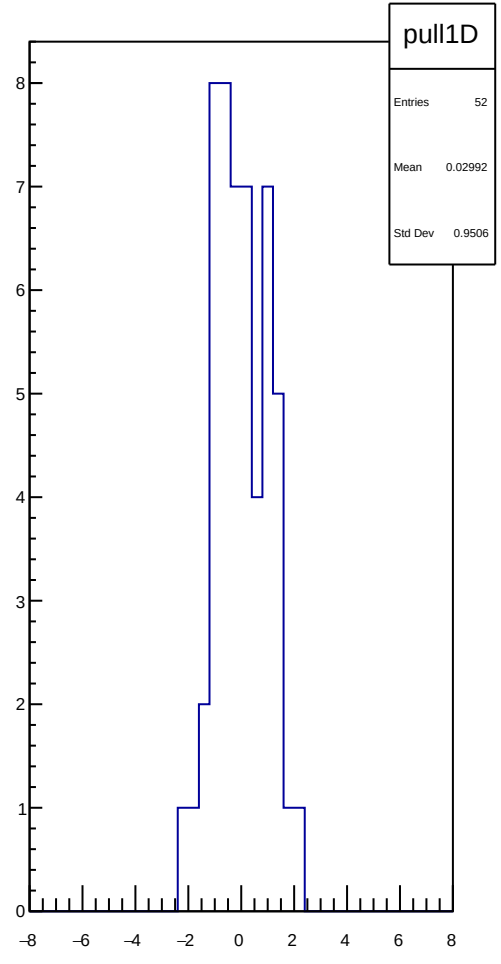
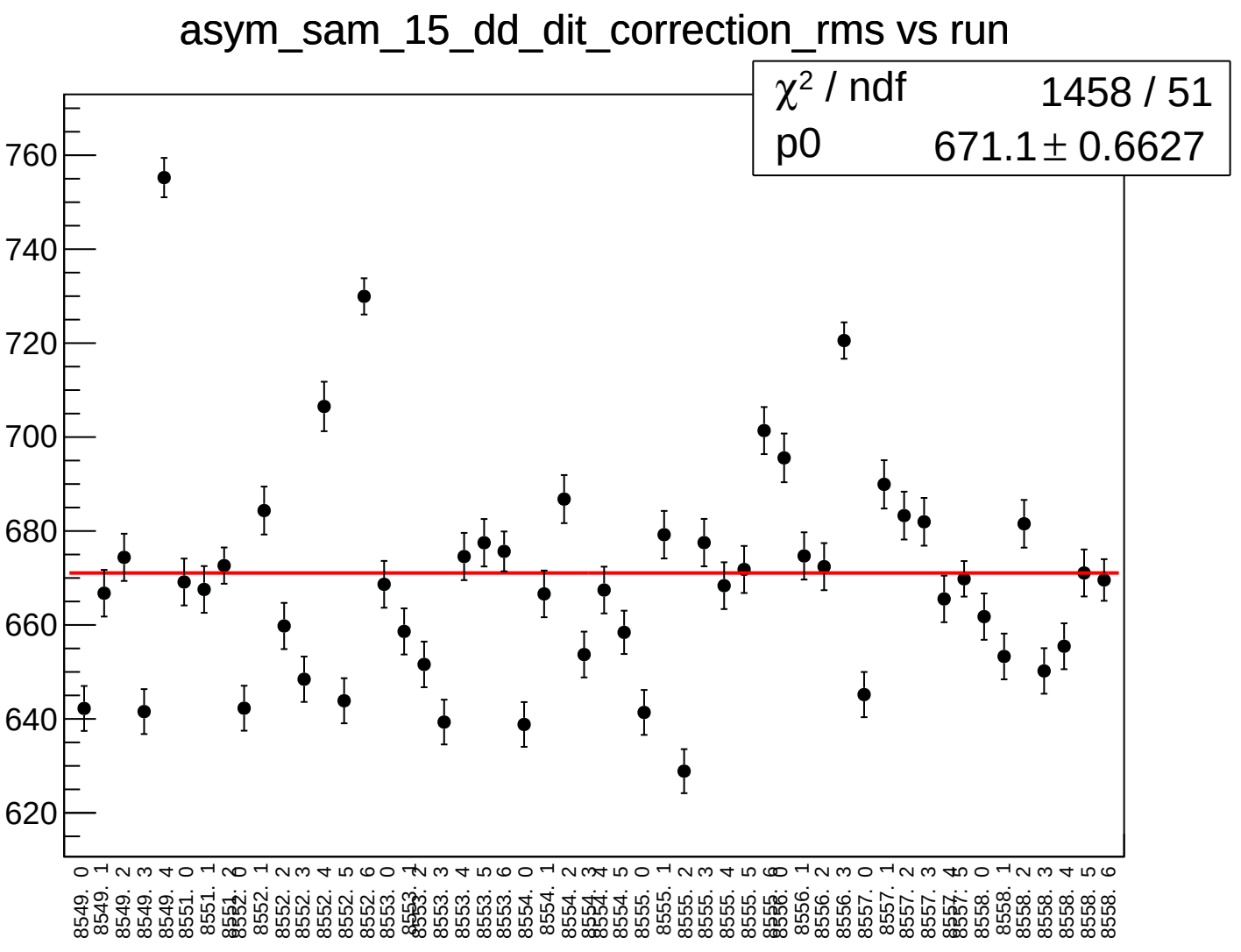
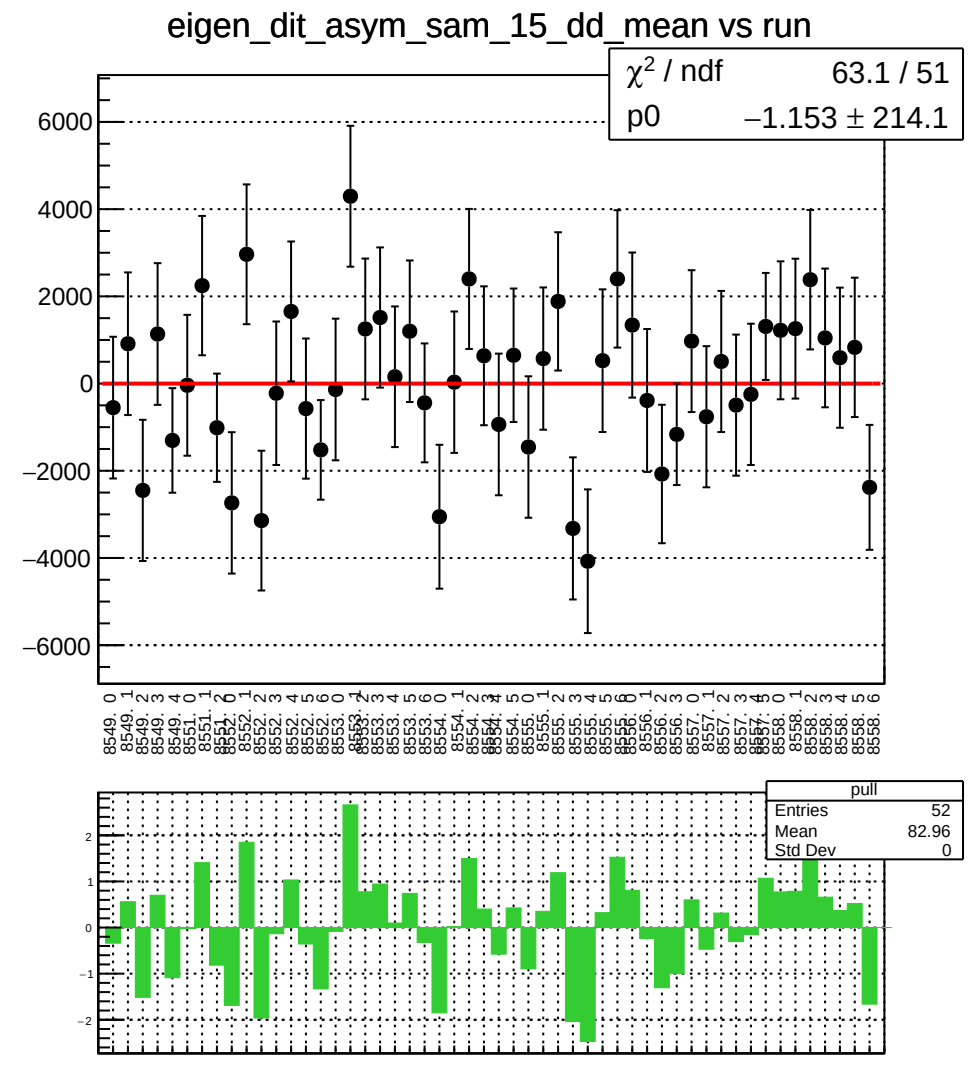
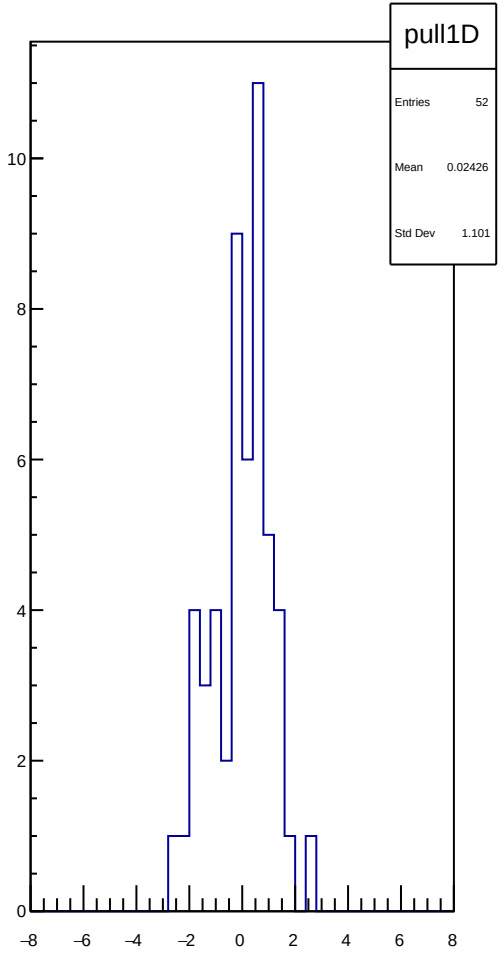
8558. 5
8558. 6

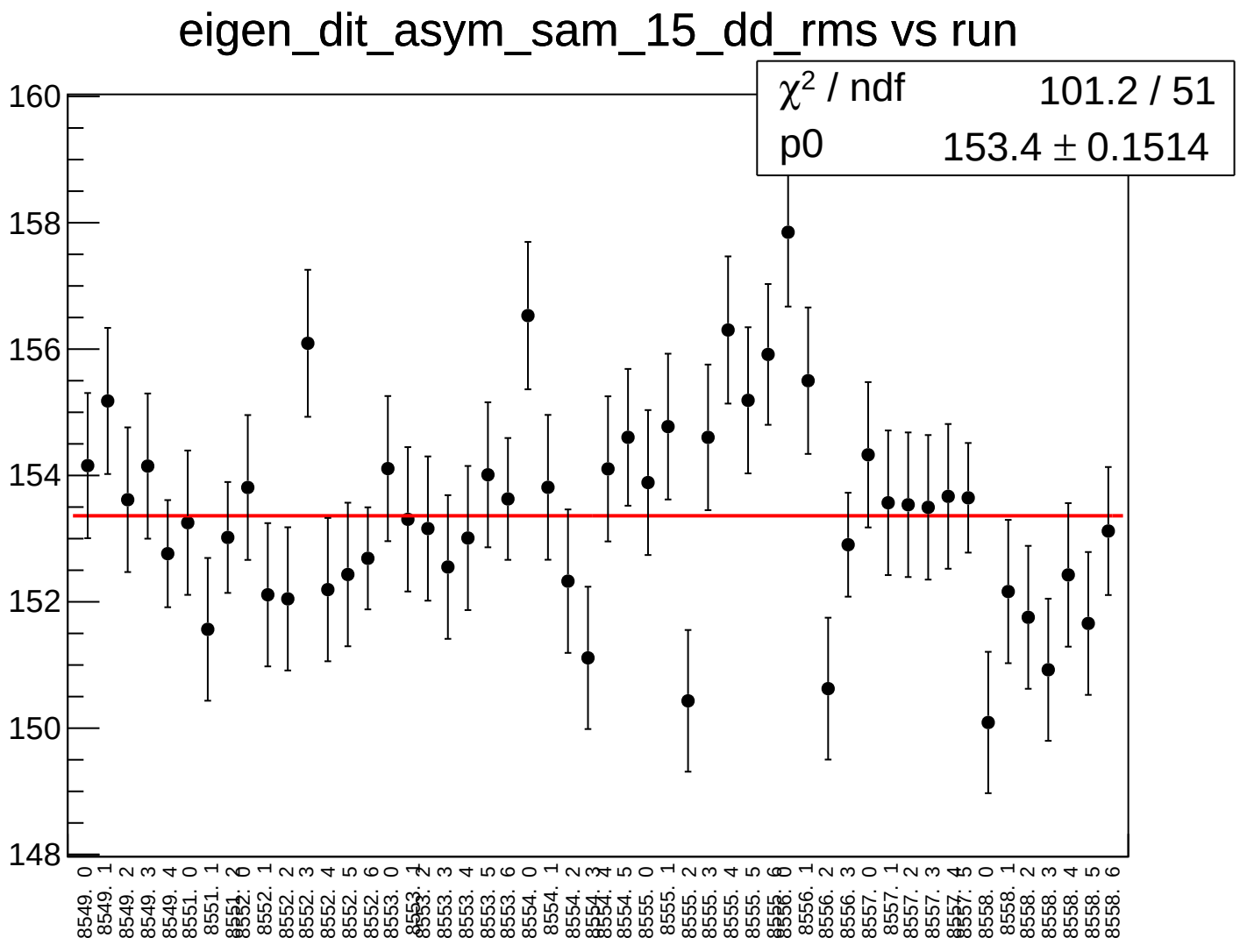

asym_sam_15_dd_dit_correction_mean vs run
χ² / ndf 47.04 / 51
p0 1661 ± 937.3
pull
Entries 52
Mean 104
Std Dev 0


pull1D
Entries 52
Mean 0.02992
Std Dev 0.9506


asym_sam_15_dd_dit_correction_rms vs run
χ² / ndf 1458 / 51
p0 671.1 ± 0.6627
760
740
720
700
680
660
640
620
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 5
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6


eigen_dit_asym_sam_15_dd_mean vs run
χ² / ndf 63.1 / 51
p0 −1.153 ± 214.1
6000
4000
2000
0
−2000
−4000
−6000
pull
Entries 52
Mean 82.96
Std Dev 0
2
1
0
−1
−2


pull1D
Entries 52
Mean 0.02426
Std Dev 1.101
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 101.2 / 51
p0 153.4 ± 0.1514
160
158
156
154
152
150
148
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
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8557. 3
8558. 0
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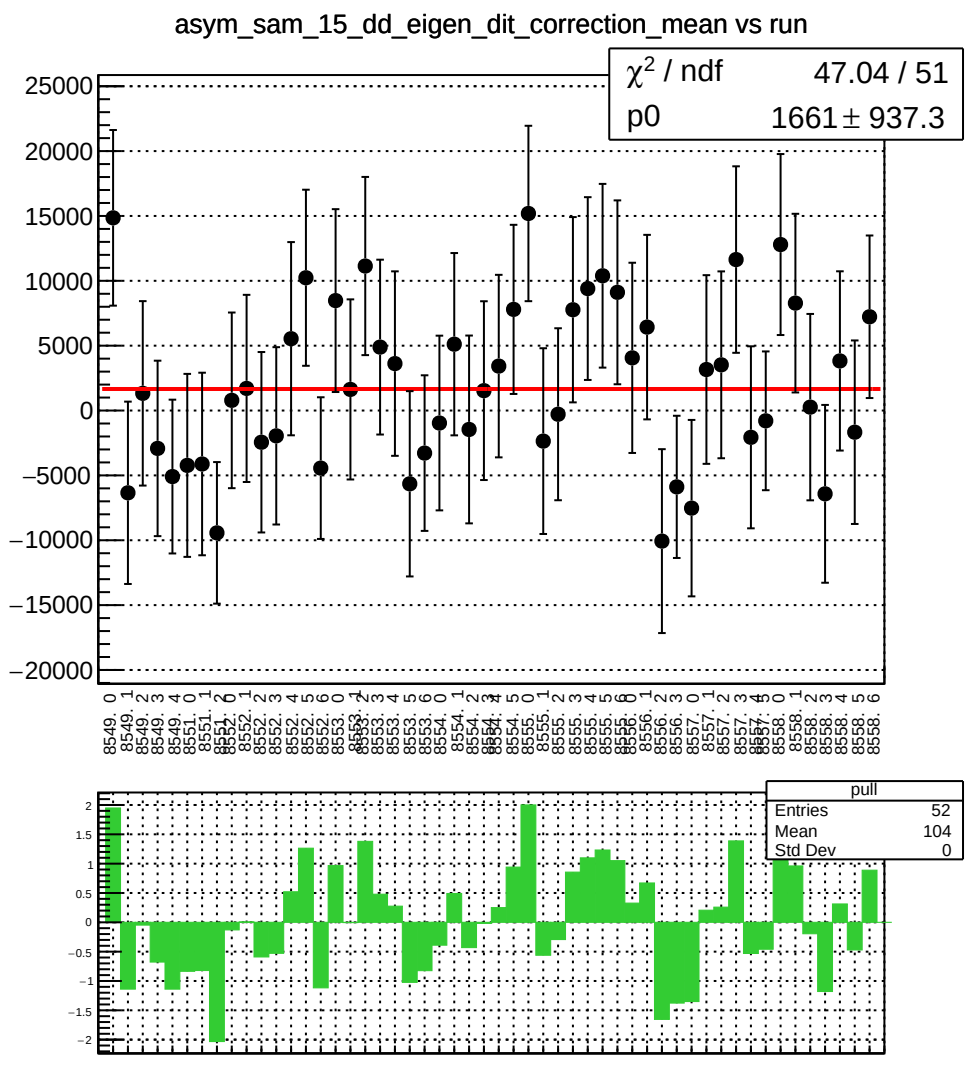
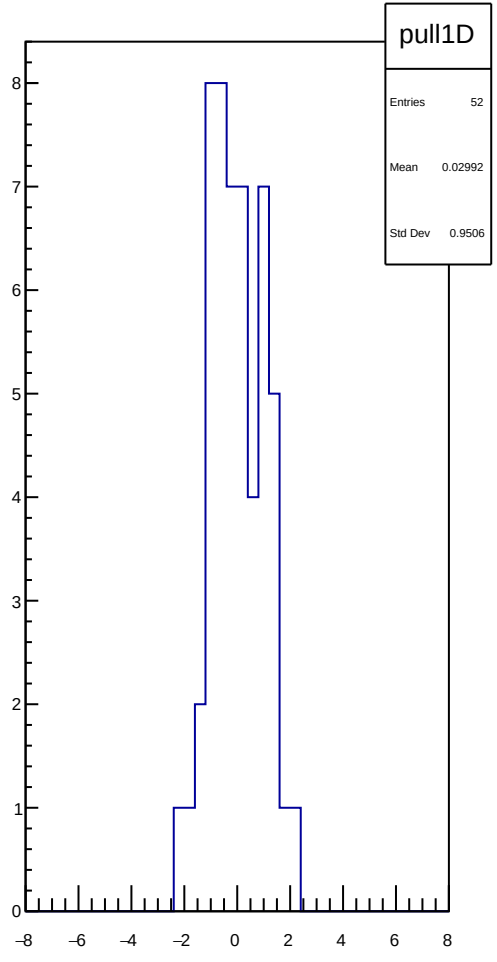
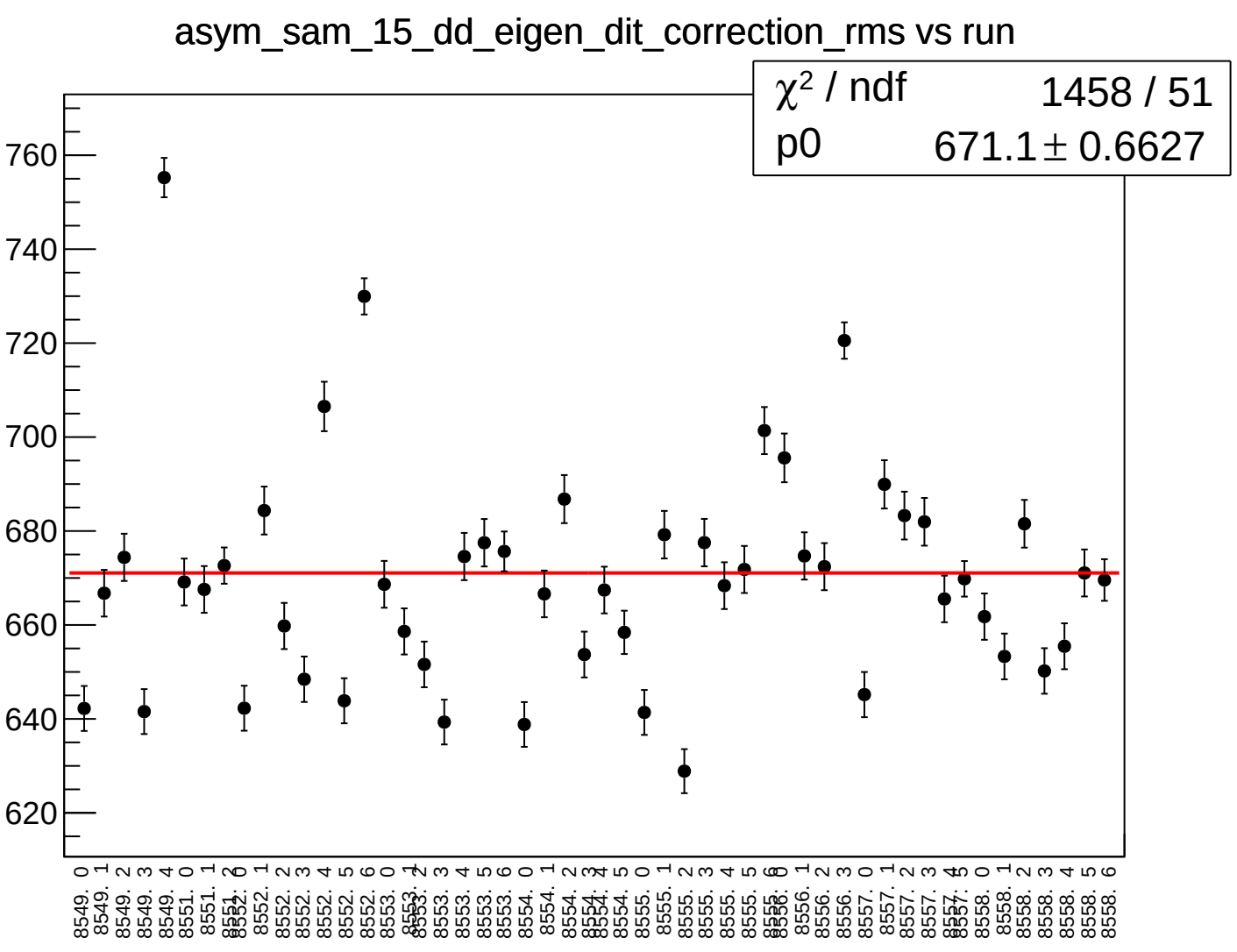
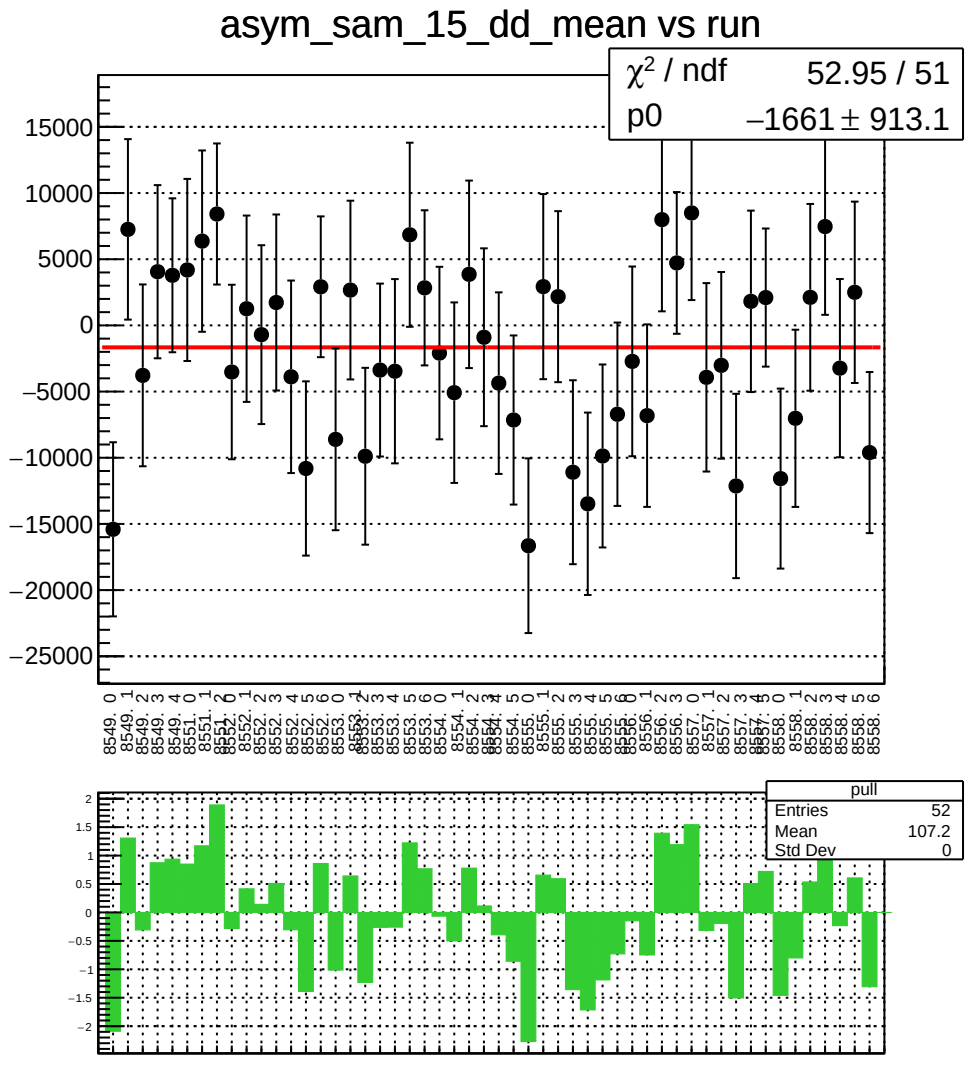
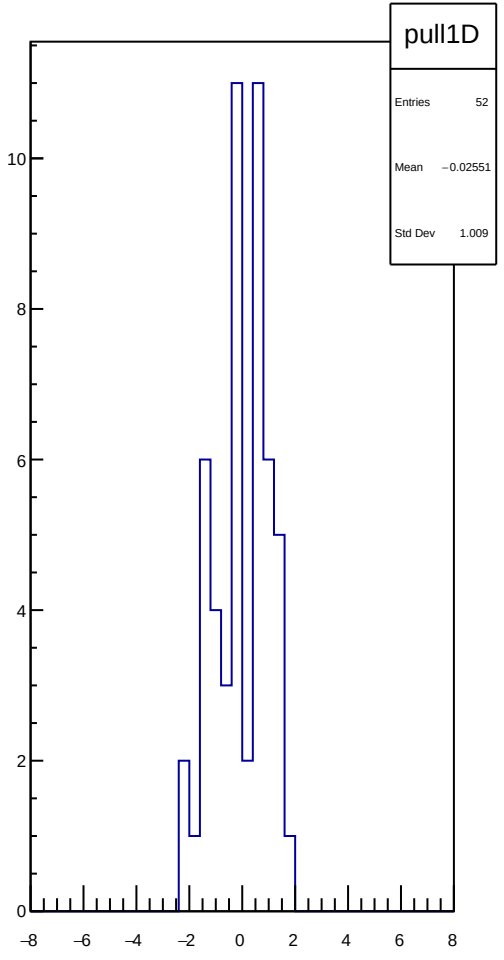
8558. 5
8558. 6

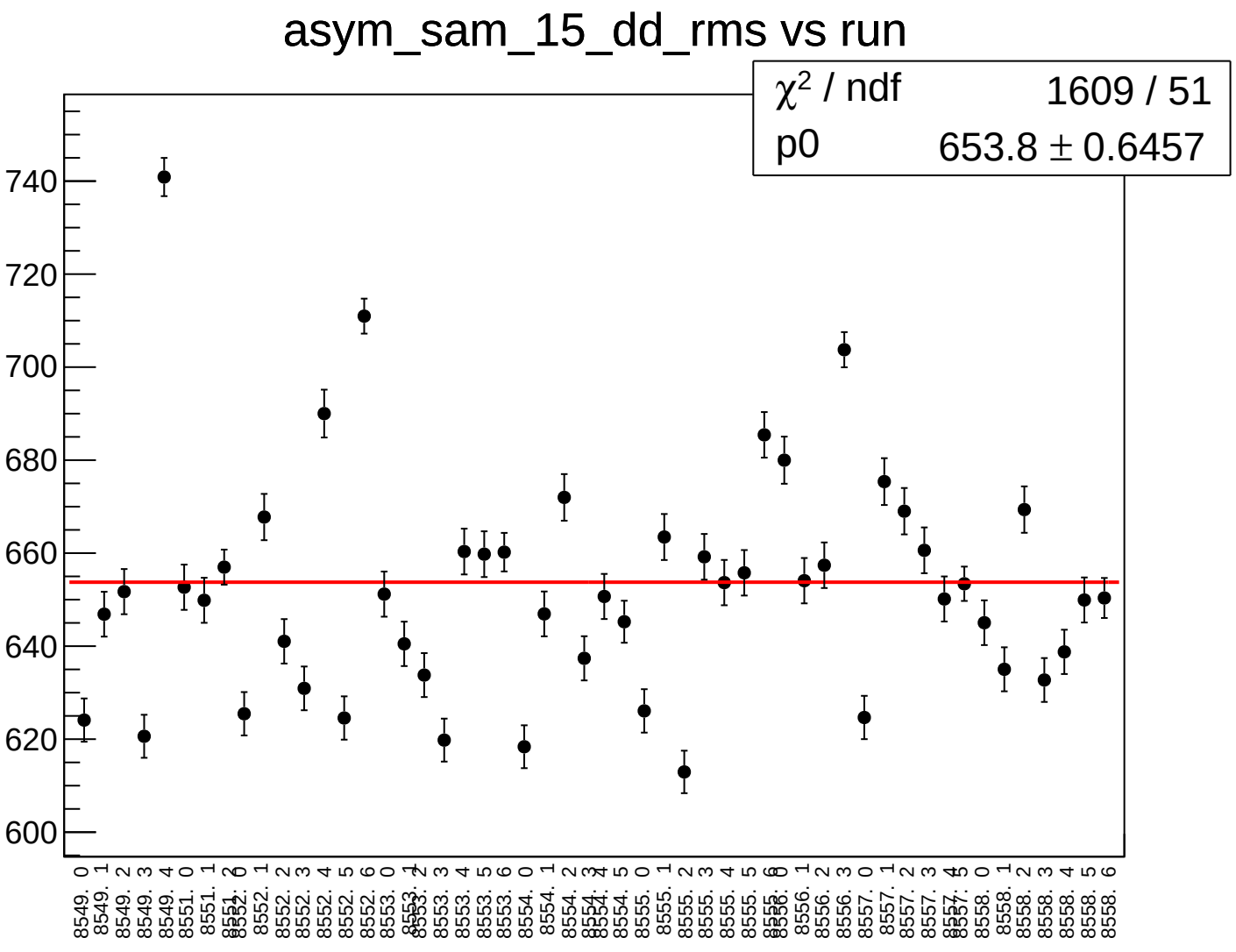

asym_sam_15_dd_eigen_dit_correction_mean vs run
χ² / ndf 47.04 / 51
p0 1661 ± 937.3
pull
Entries 52
Mean 104
Std Dev 0

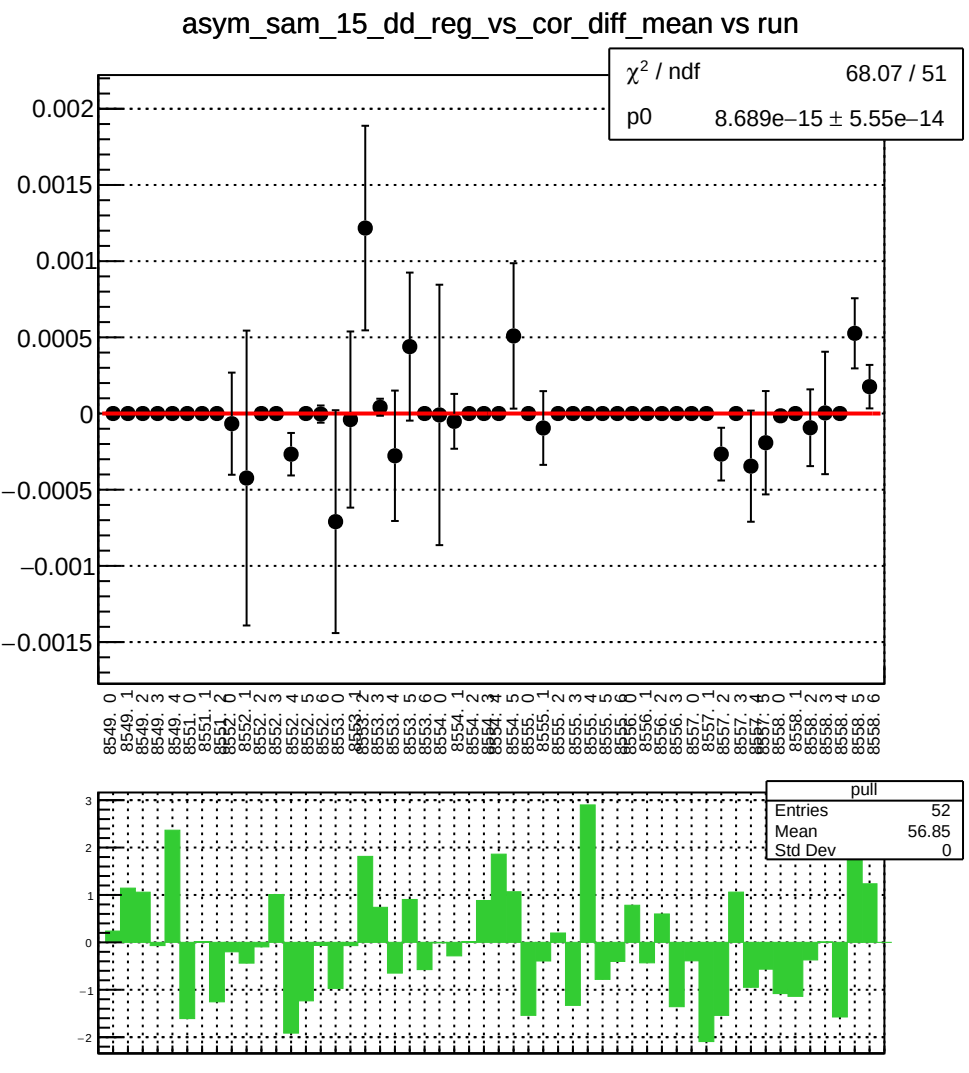

pull1D
Entries 52
Mean 0.02992
Std Dev 0.9506

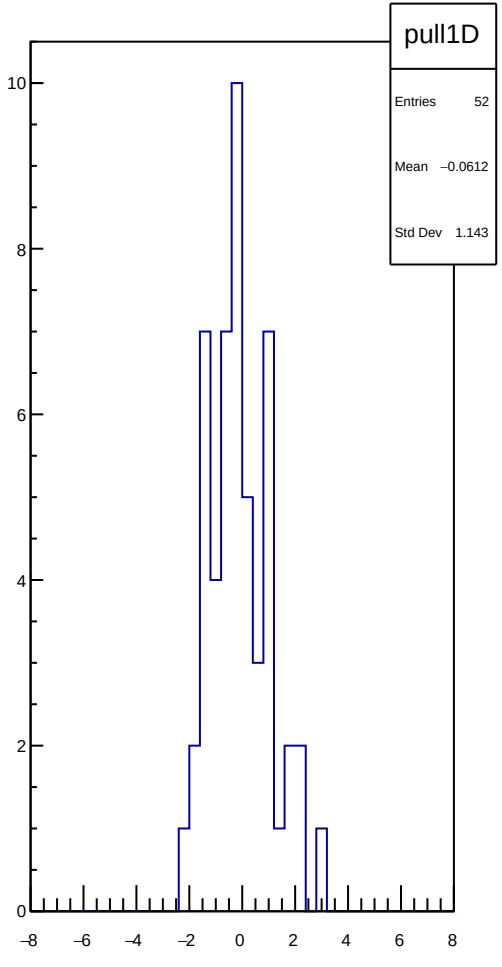

asym_sam_15_dd_eigen_dit_correction_rms vs run
χ² / ndf 1458 / 51
p0 671.1 ± 0.6627
760
740
720
700
680
660
640
620
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 5
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

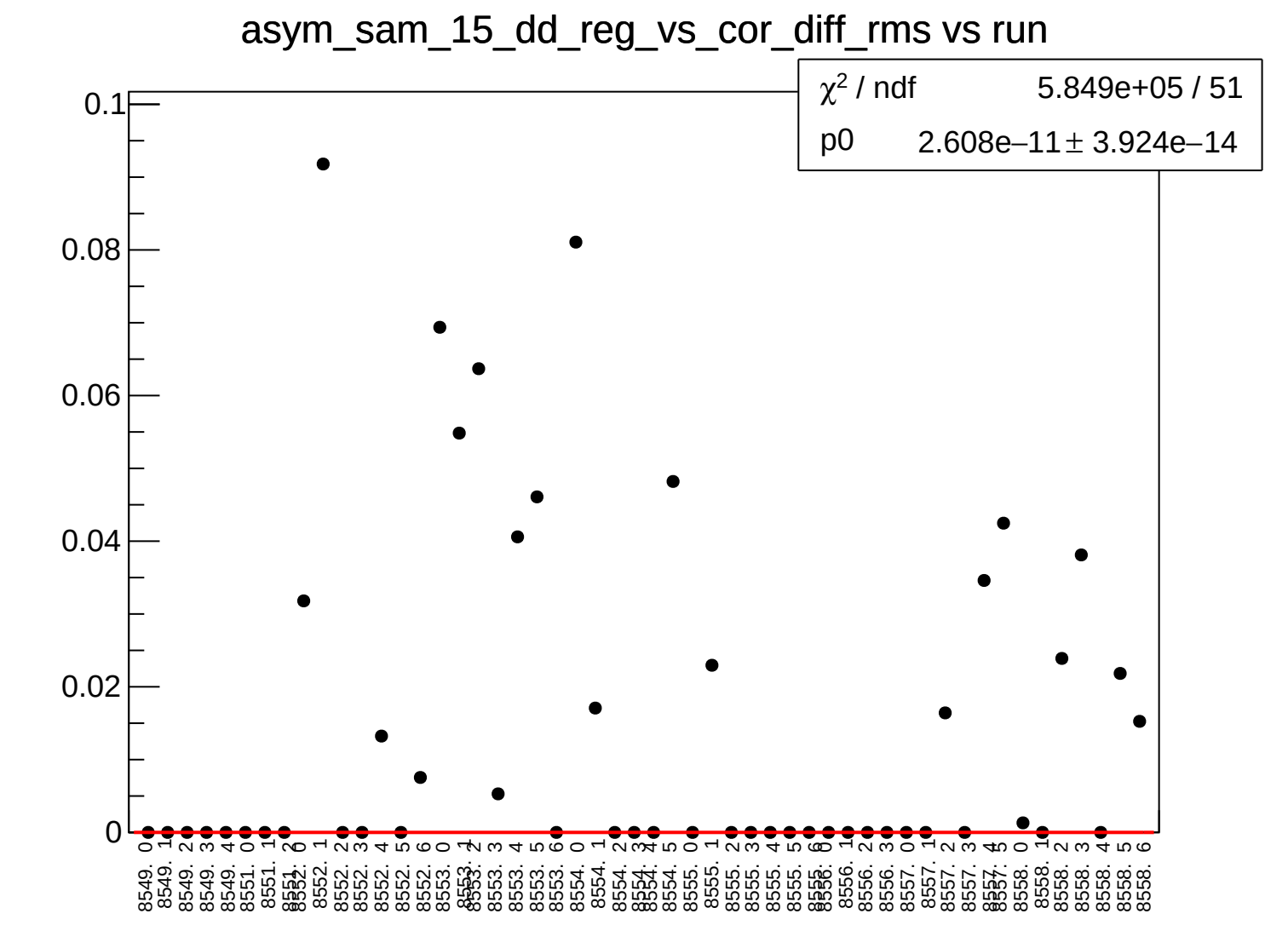

asym_sam_15_dd_mean vs run
χ² / ndf 52.95 / 51
p0 −1661 ± 913.1
pull
Entries 52
Mean 107.2
Std Dev 0

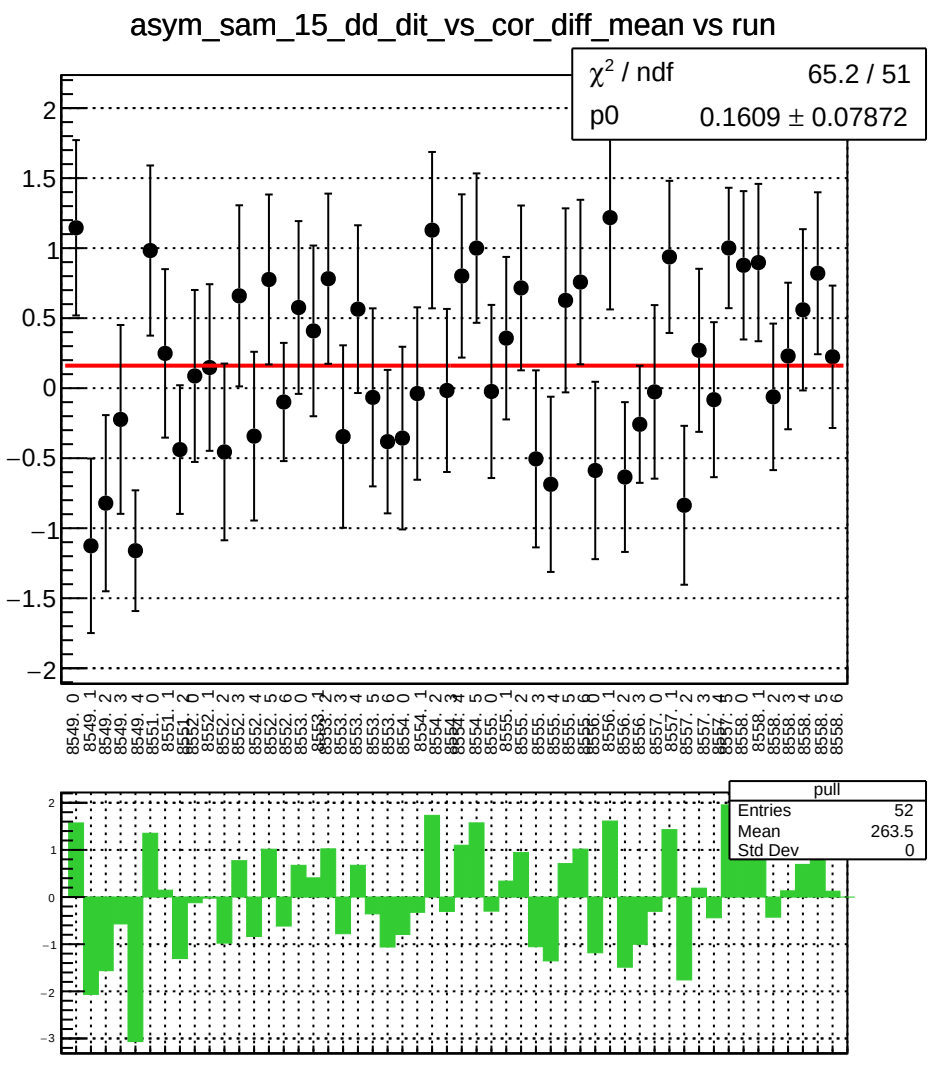

pull1D
Entries 52
Mean −0.02551
Std Dev 1.009

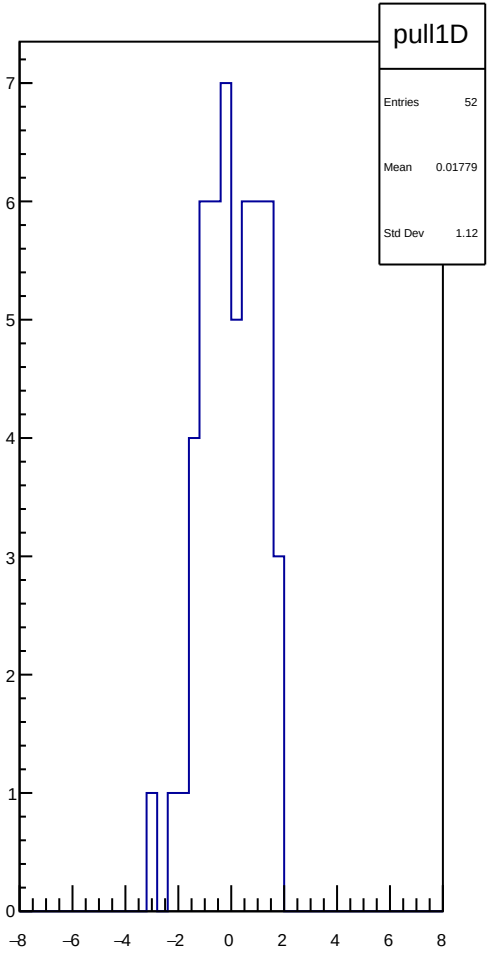

asym_sam_15_dd_rms vs run
χ² / ndf 1609 / 51
p0 653.8 ± 0.6457
740
720
700
680
660
640
620
600
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

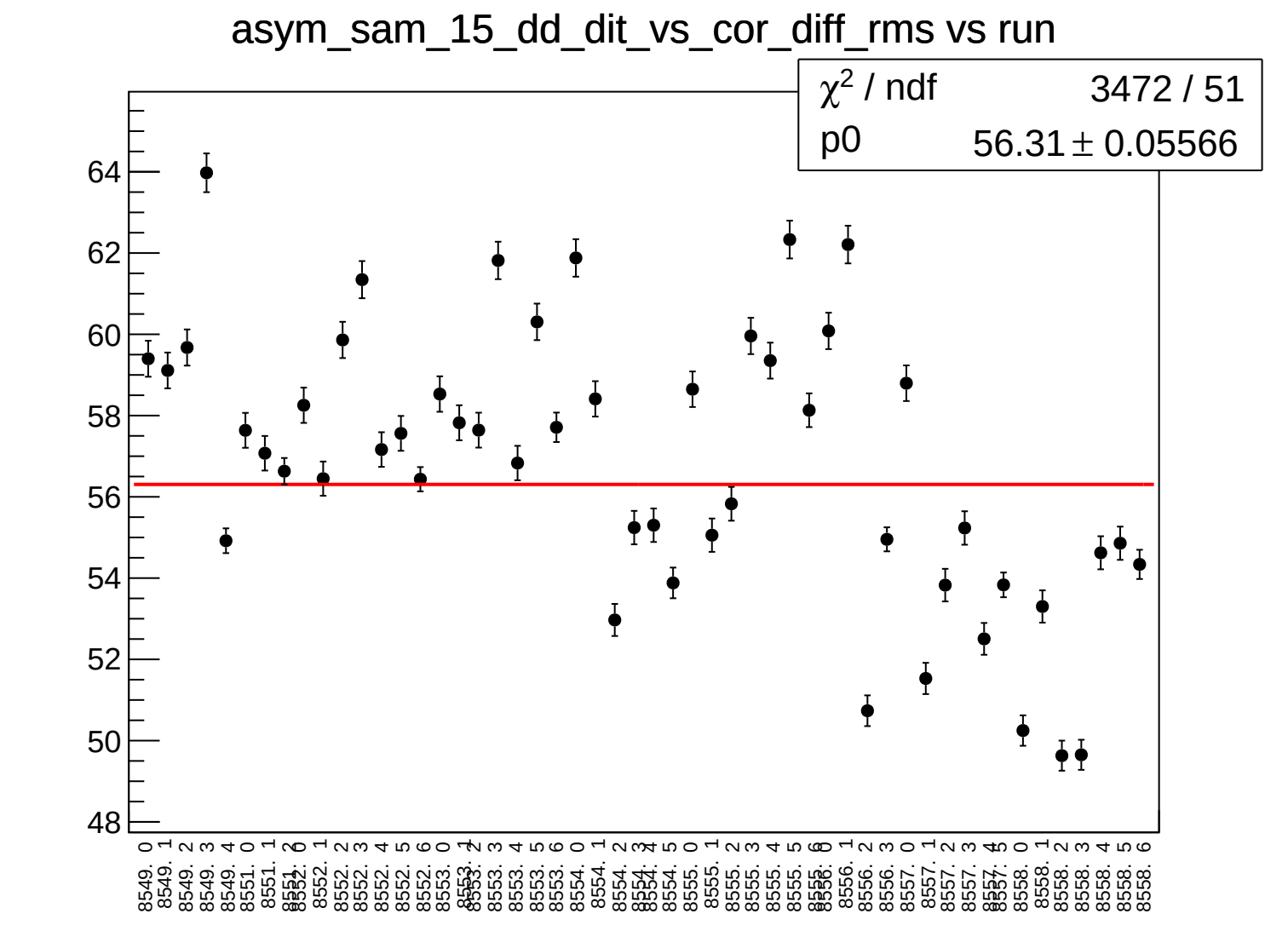

asym_sam_15_dd_reg_vs_cor_diff_mean vs run
χ² / ndf 68.07 / 51
p0 8.689e−15 ± 5.55e−14
0.002
0.0015
0.001
0.0005
0
−0.0005
−0.001
−0.0015
pull
Entries 52
Mean 56.85
Std Dev 0
3
2
1
0
−1
−2

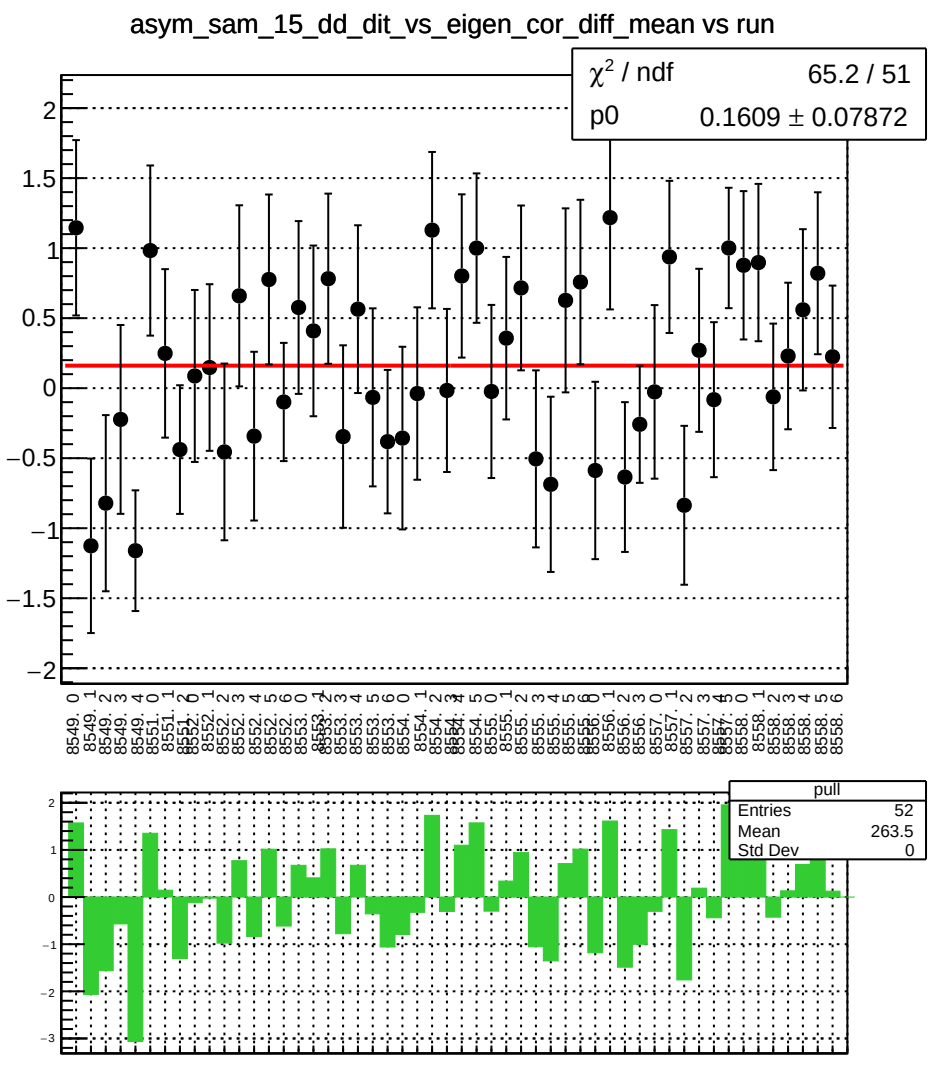

pull1D
Entries 52
Mean −0.0612
Std Dev 1.143
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

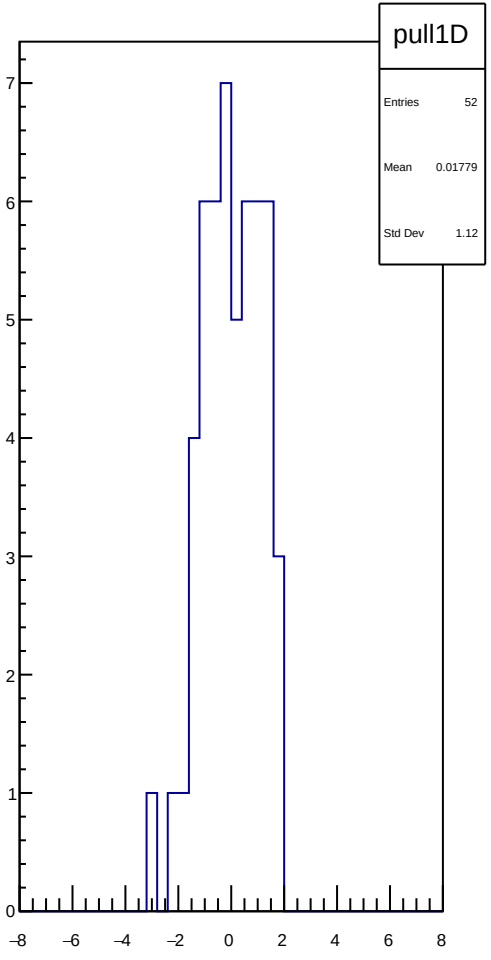

asym_sam_15_dd_reg_vs_cor_diff_rms vs run
χ² / ndf 5.849e+05 / 51
p0 2.608e−11 ± 3.924e−14
0.1
0.08
0.06
0.04
0.02
0
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 2
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

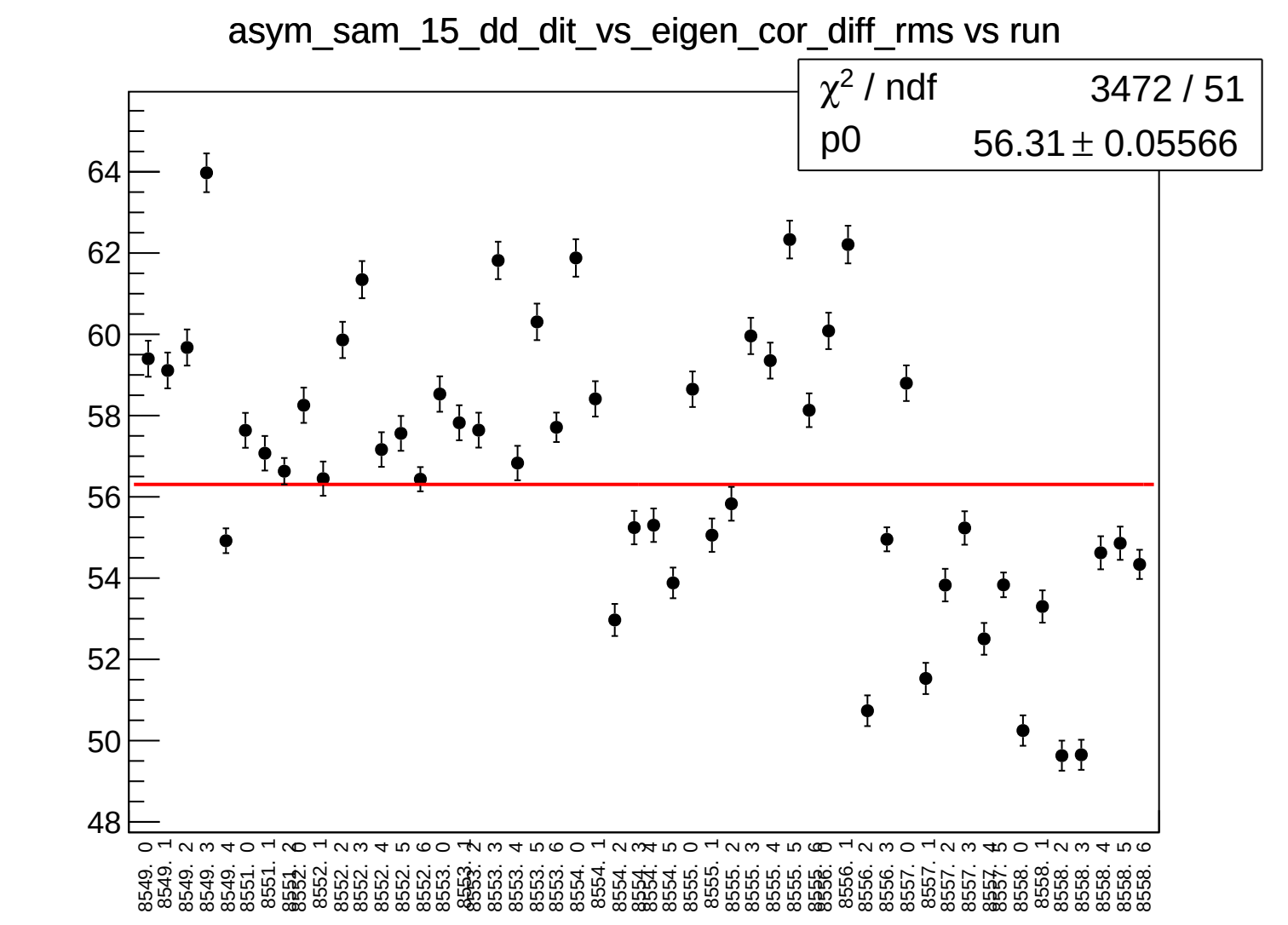

asym_sam_15_dd_dit_vs_cor_diff_mean vs run
χ² / ndf 65.2 / 51
p0 0.1609 ± 0.07872
pull
Entries 52
Mean 263.5
Std Dev 0

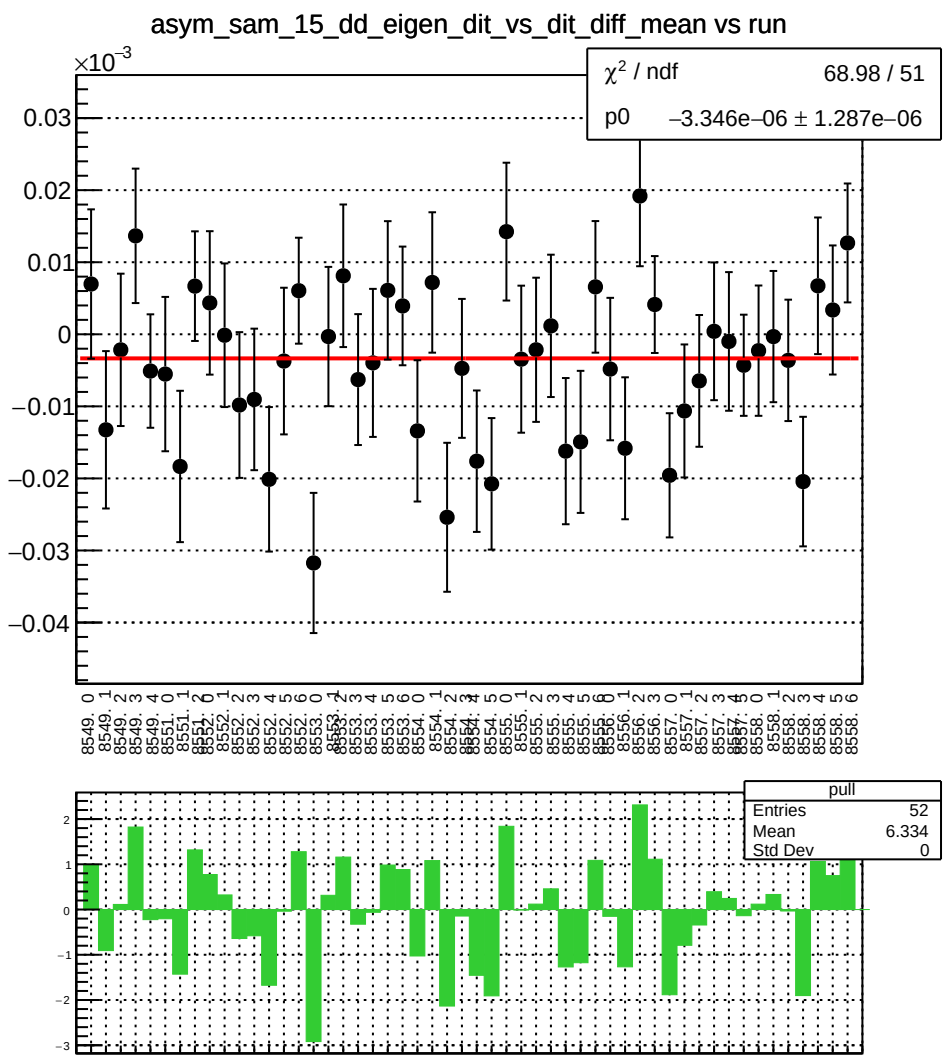

pull1D
Entries 52
Mean 0.01779
Std Dev 1.12

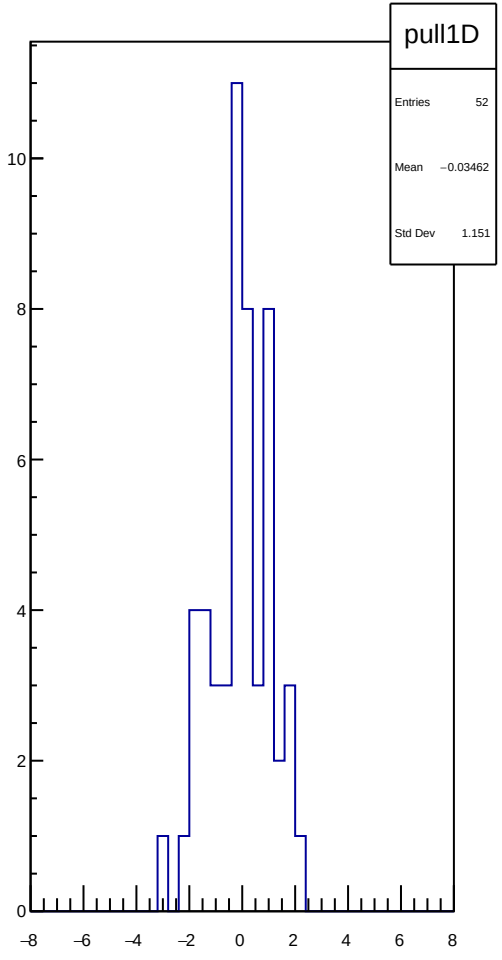

asym_sam_15_dd_dit_vs_cor_diff_rms vs run
χ² / ndf 3472 / 51
p0 56.31 ± 0.05566
64
62
60
58
56
54
52
50
48
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

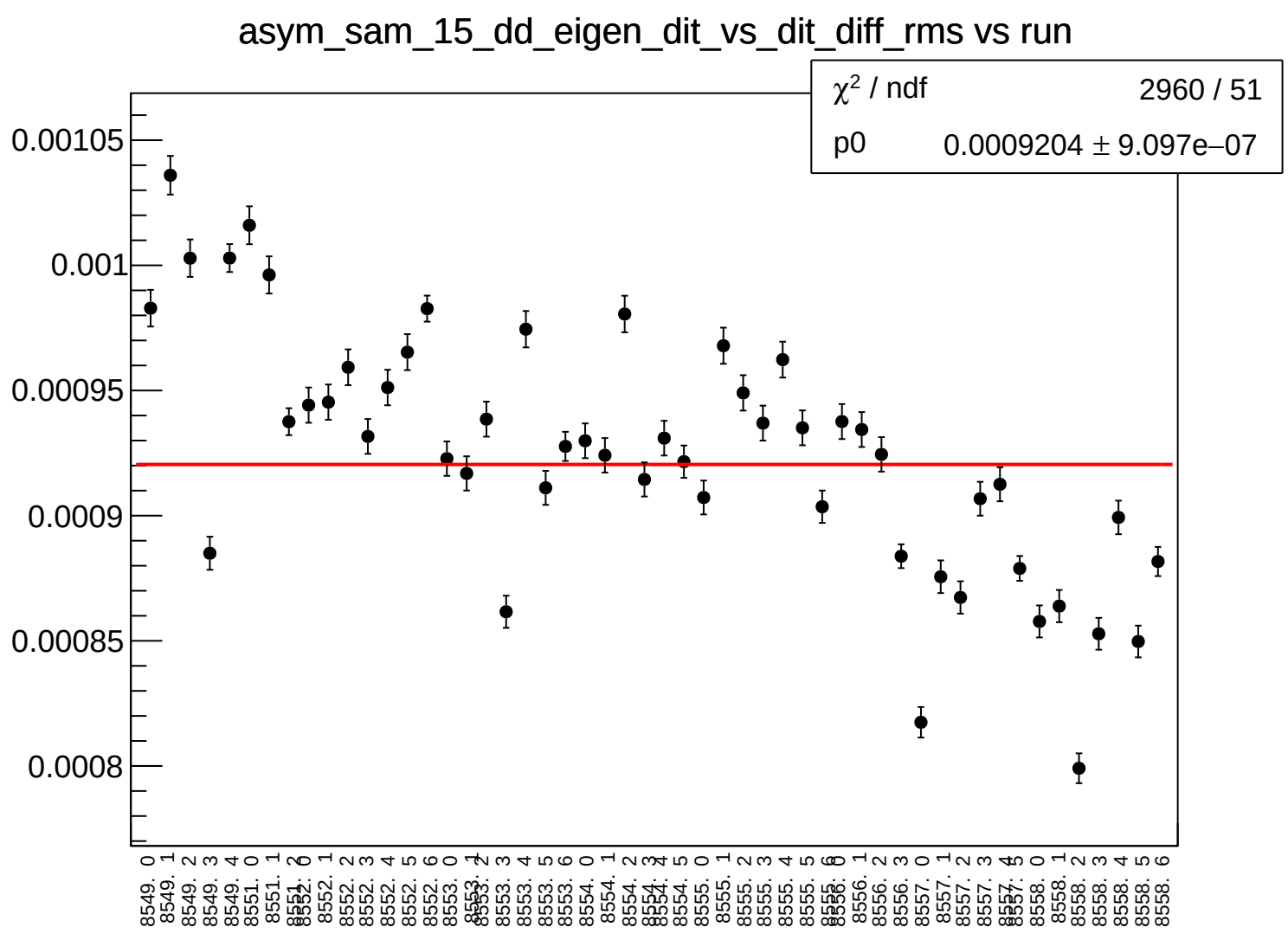

asym_sam_15_dd_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 65.2 / 51
p0 0.1609 ± 0.07872
pull
Entries 52
Mean 263.5
Std Dev 0

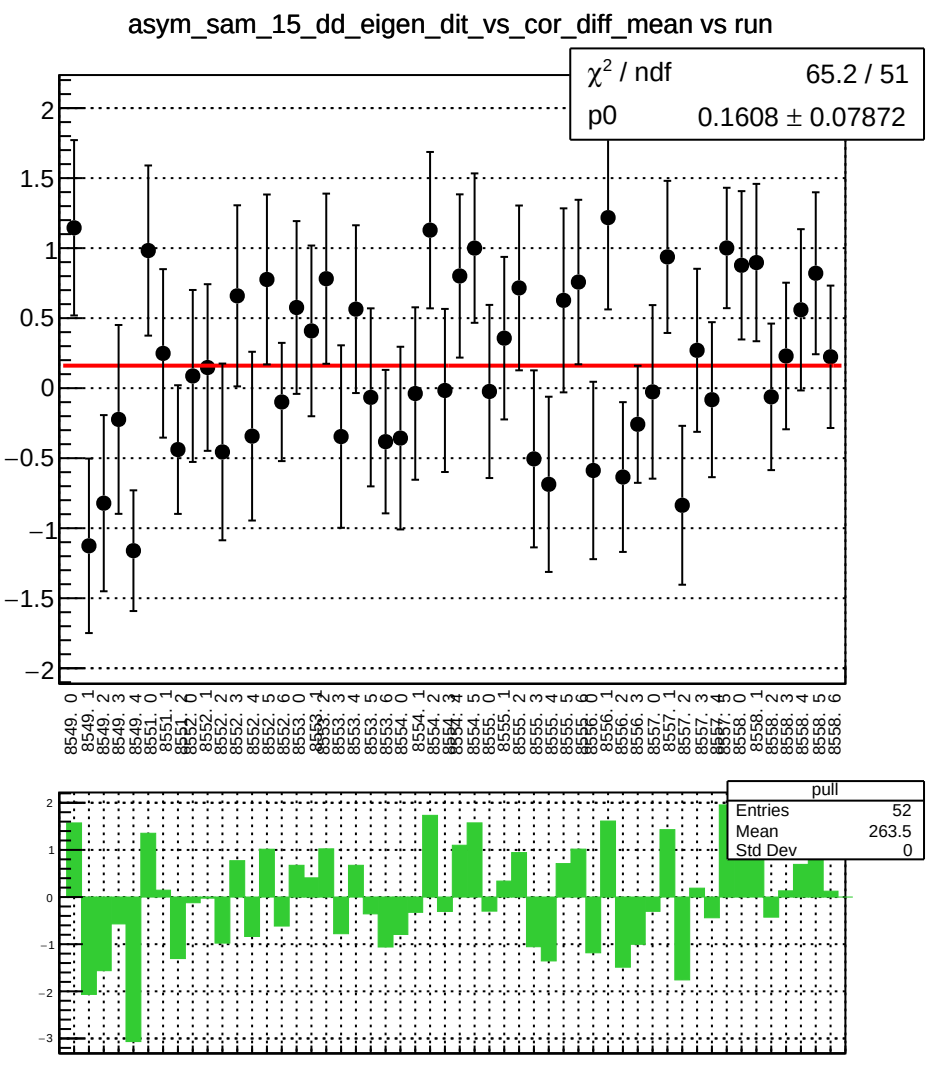

pull1D
Entries 52
Mean 0.01779
Std Dev 1.12

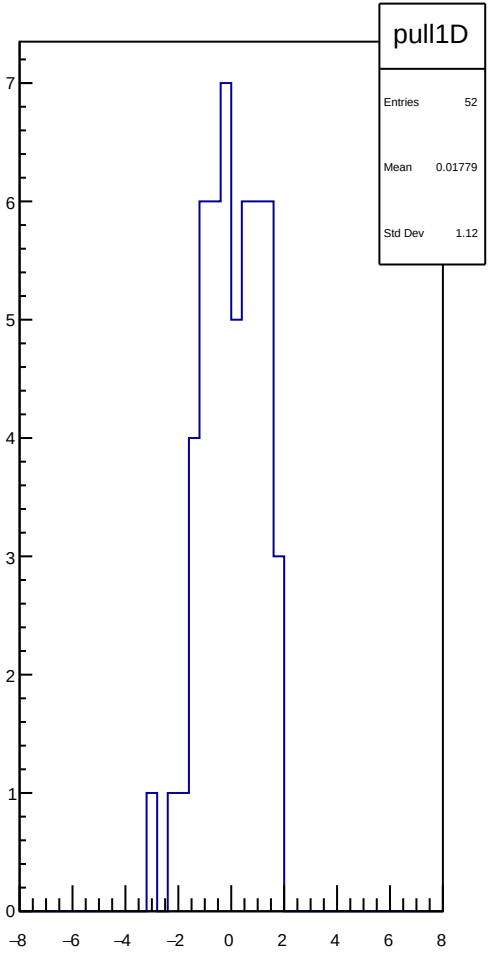

asym_sam_15_dd_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 3472 / 51
p0 56.31 ± 0.05566
64
62
60
58
56
54
52
50
48
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

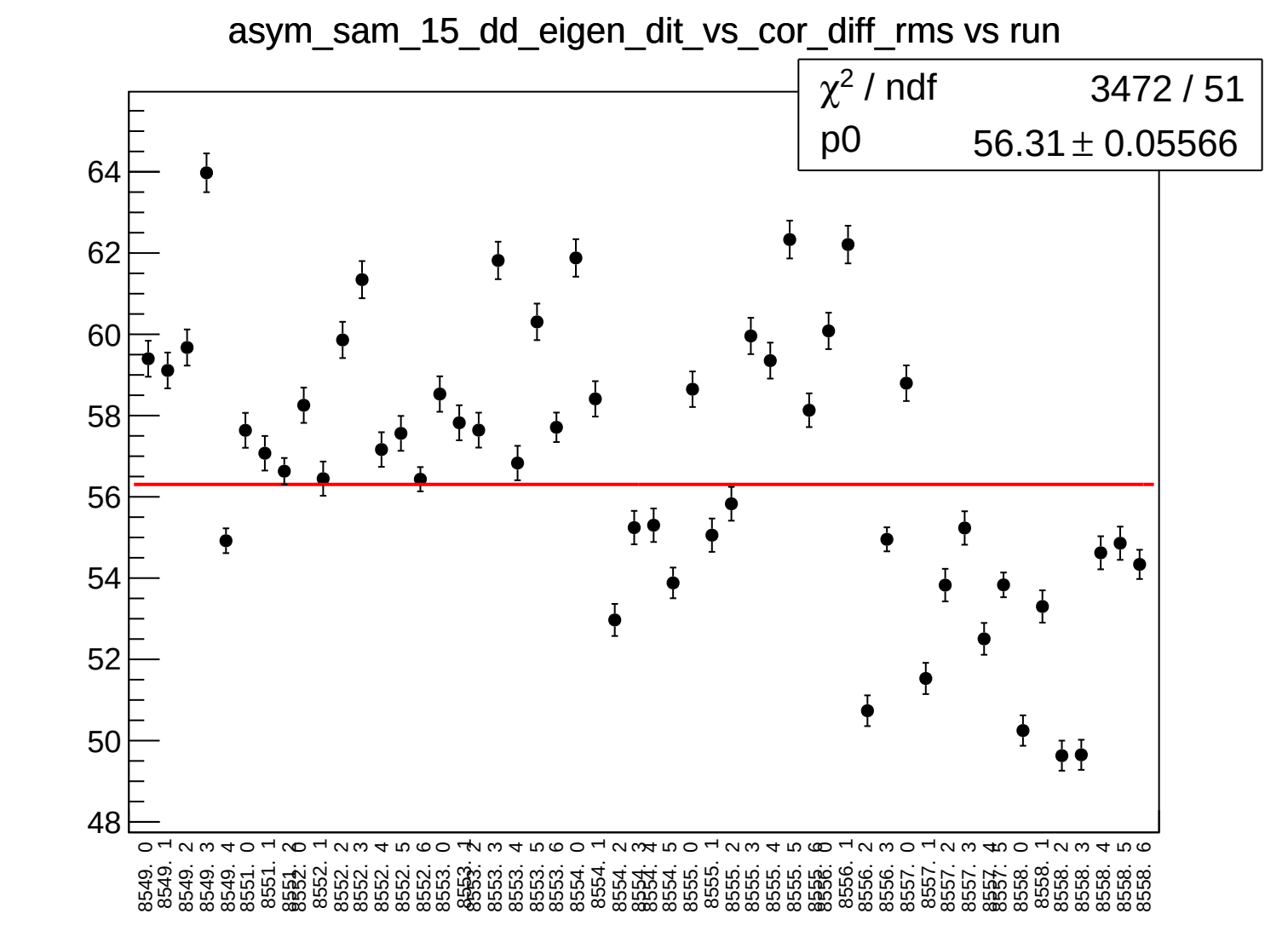

asym_sam_15_dd_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 68.98 / 51
p0 −3.346e−06 ± 1.287e−06
0.03
0.02
0.01
0
−0.01
−0.02
−0.03
−0.04
pull
Entries 52
Mean 6.334
Std Dev 0
2
1
0
−1
−2
−3

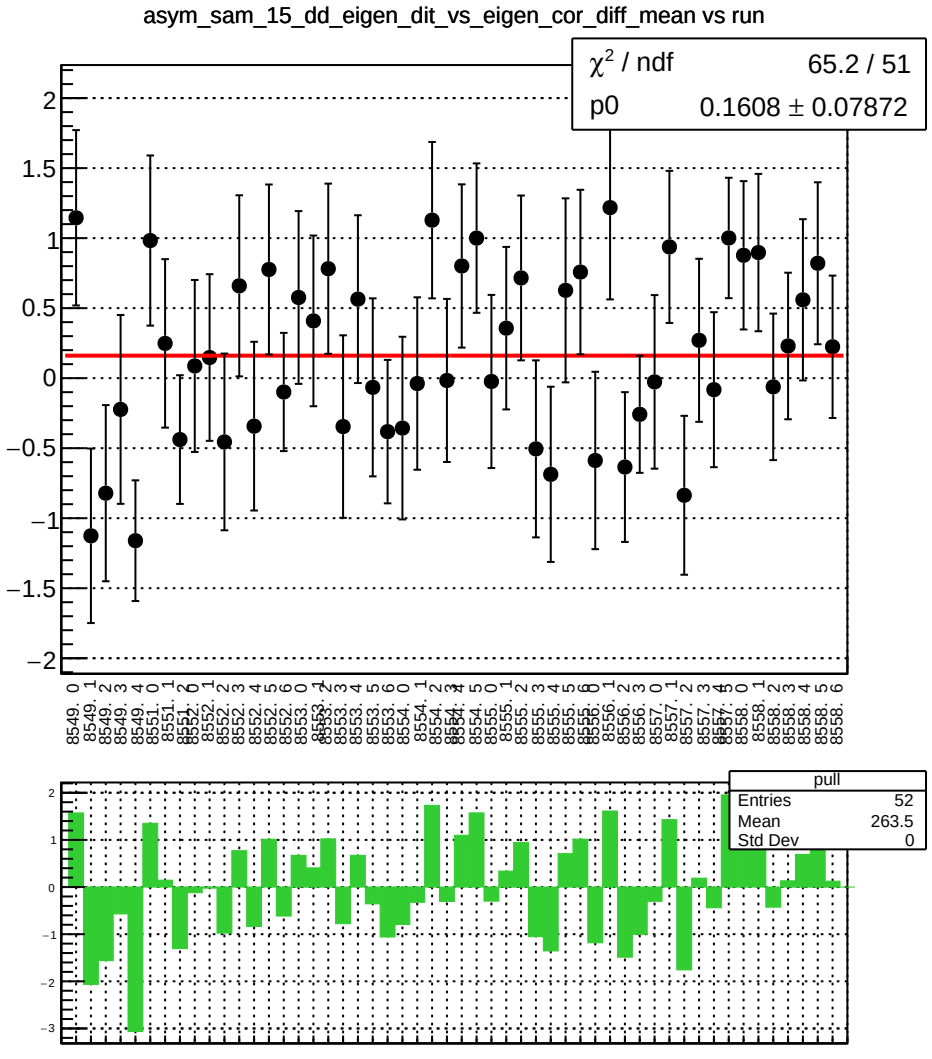

pull1D
Entries 52
Mean −0.03462
Std Dev 1.151
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

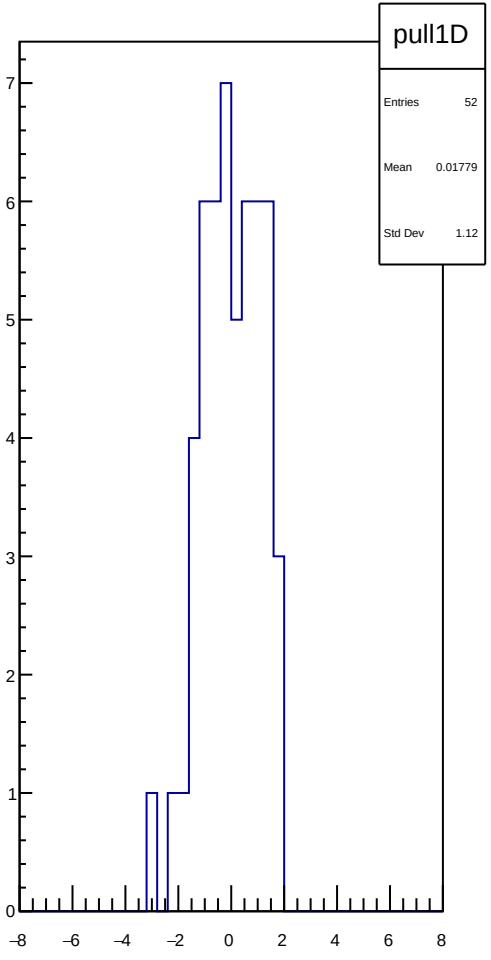

asym_sam_15_dd_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 2960 / 51
p0 0.0009204 ± 9.097e−07
0.00105
0.001
0.00095
0.0009
0.00085
0.0008
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

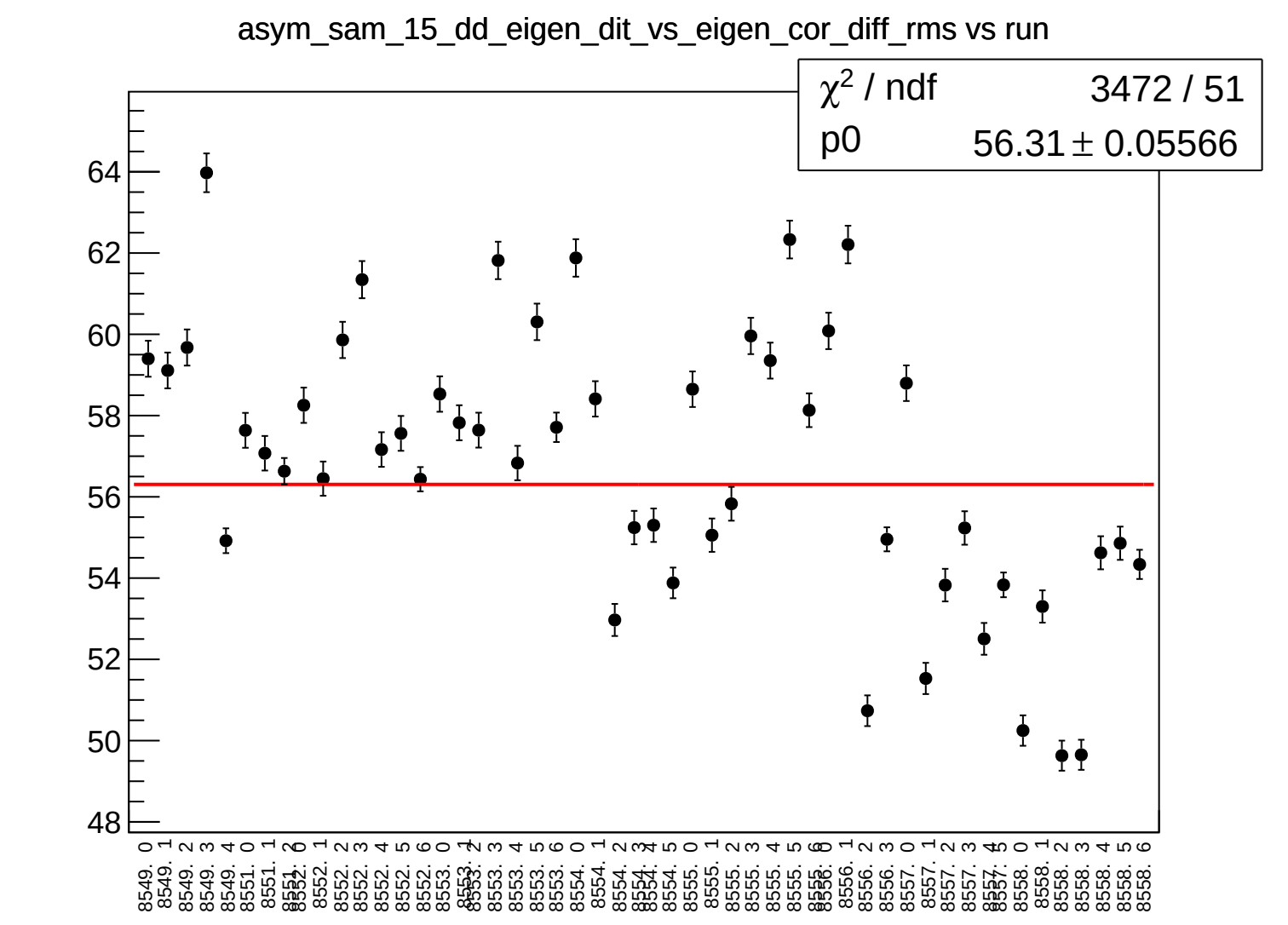

asym_sam_15_dd_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 65.2 / 51
p0 0.1608 ± 0.07872
pull
Entries 52
Mean 263.5
Std Dev 0

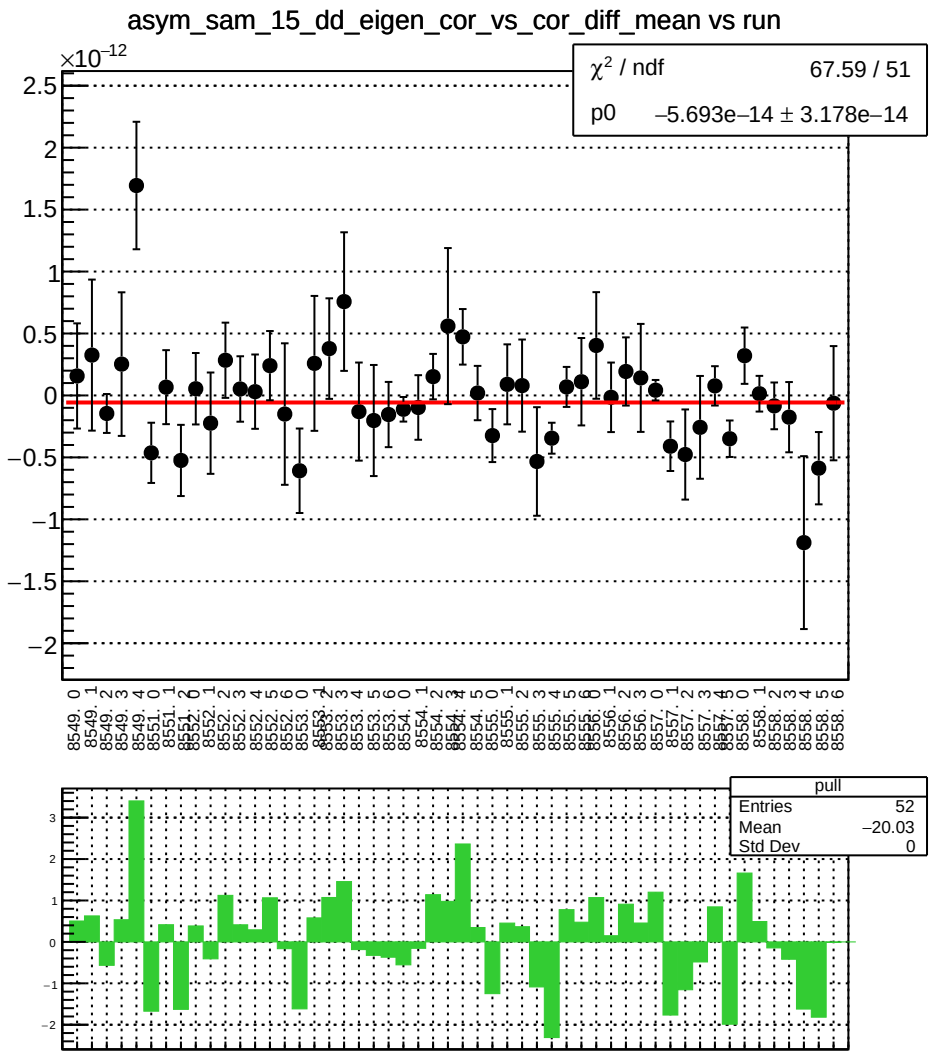

pull1D
Entries 52
Mean 0.01779
Std Dev 1.12

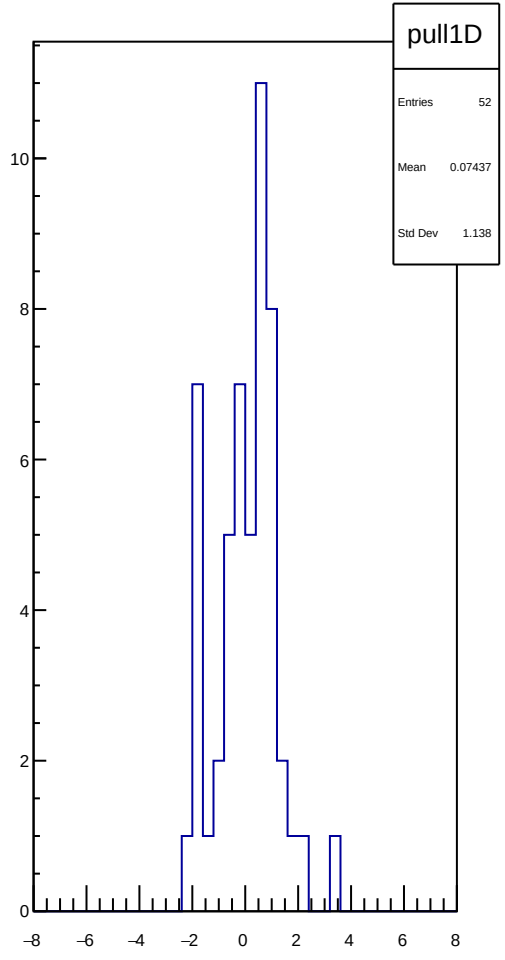

asym_sam_15_dd_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 3472 / 51
p0 56.31 ± 0.05566
64
62
60
58
56
54
52
50
48
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

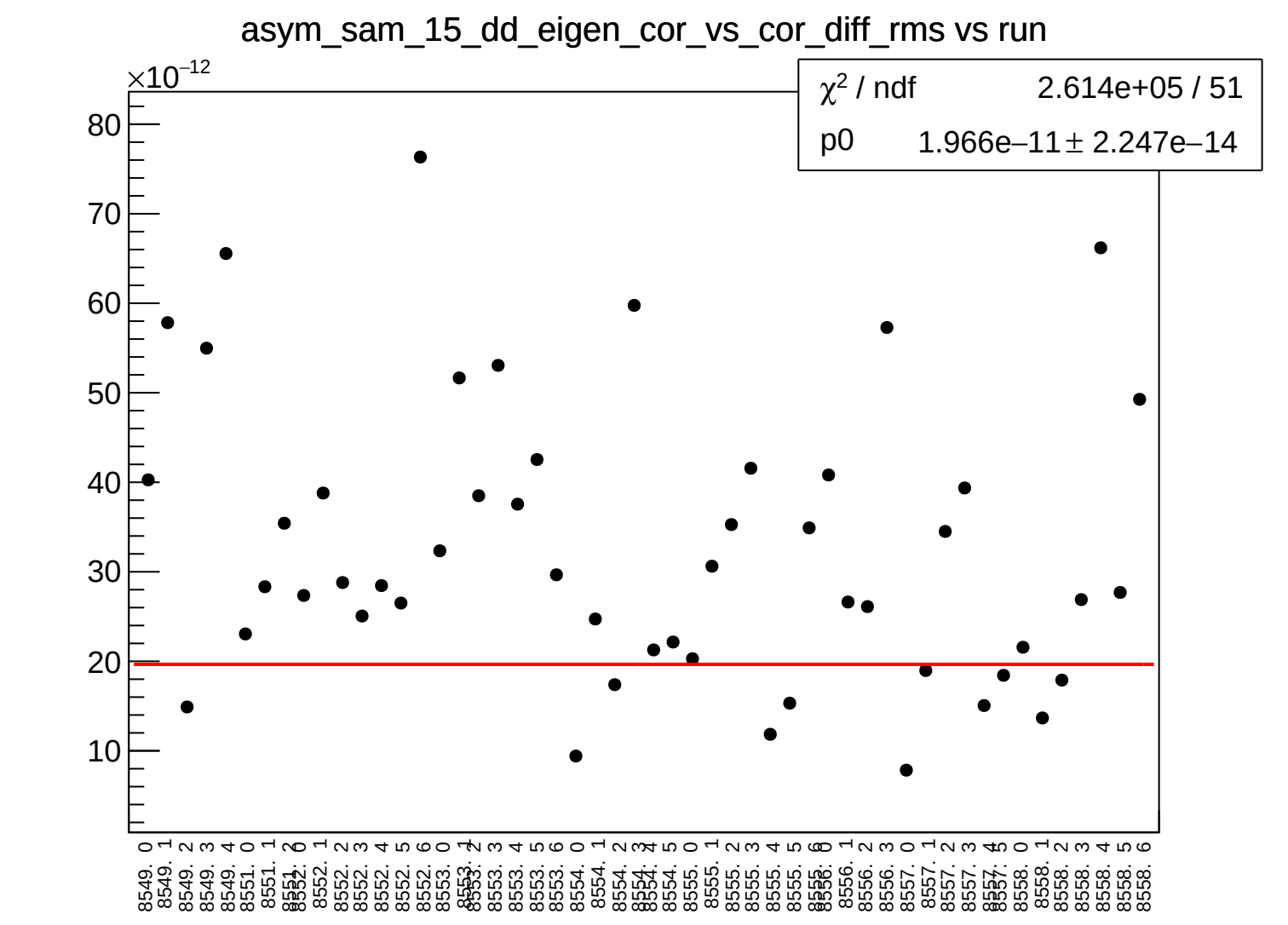

asym_sam_15_dd_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 65.2 / 51
p0 0.1608 ± 0.07872
pull
Entries 52
Mean 263.5
Std Dev 0

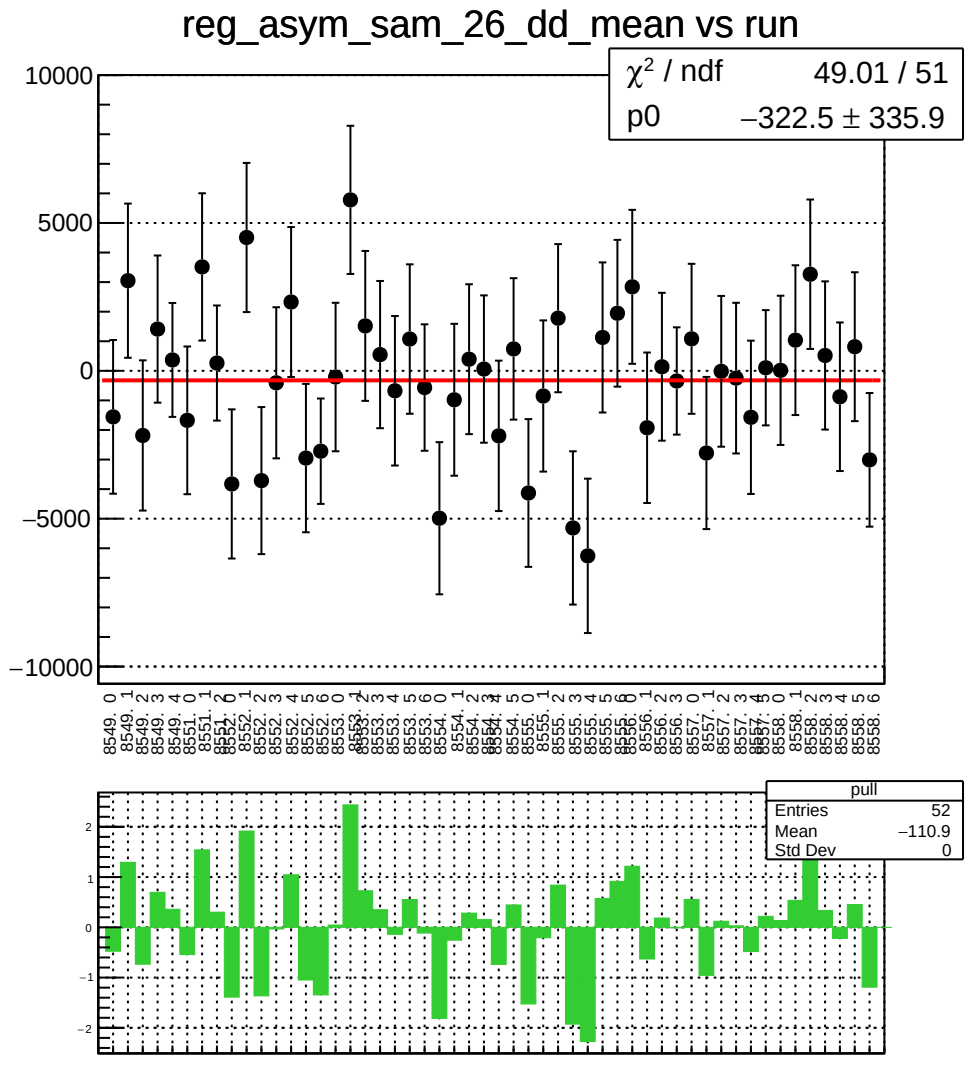

pull1D
Entries 52
Mean 0.01779
Std Dev 1.12

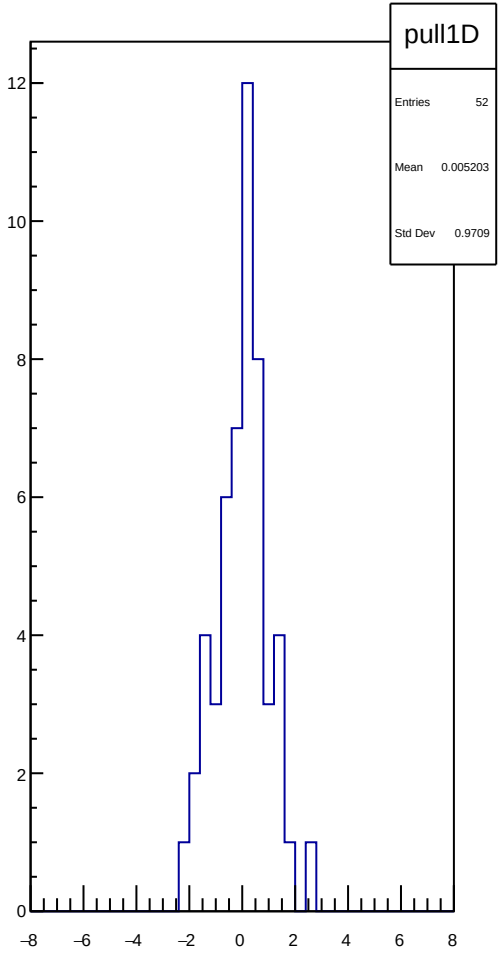

asym_sam_15_dd_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 3472 / 51
p0 56.31 ± 0.05566
64
62
60
58
56
54
52
50
48
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

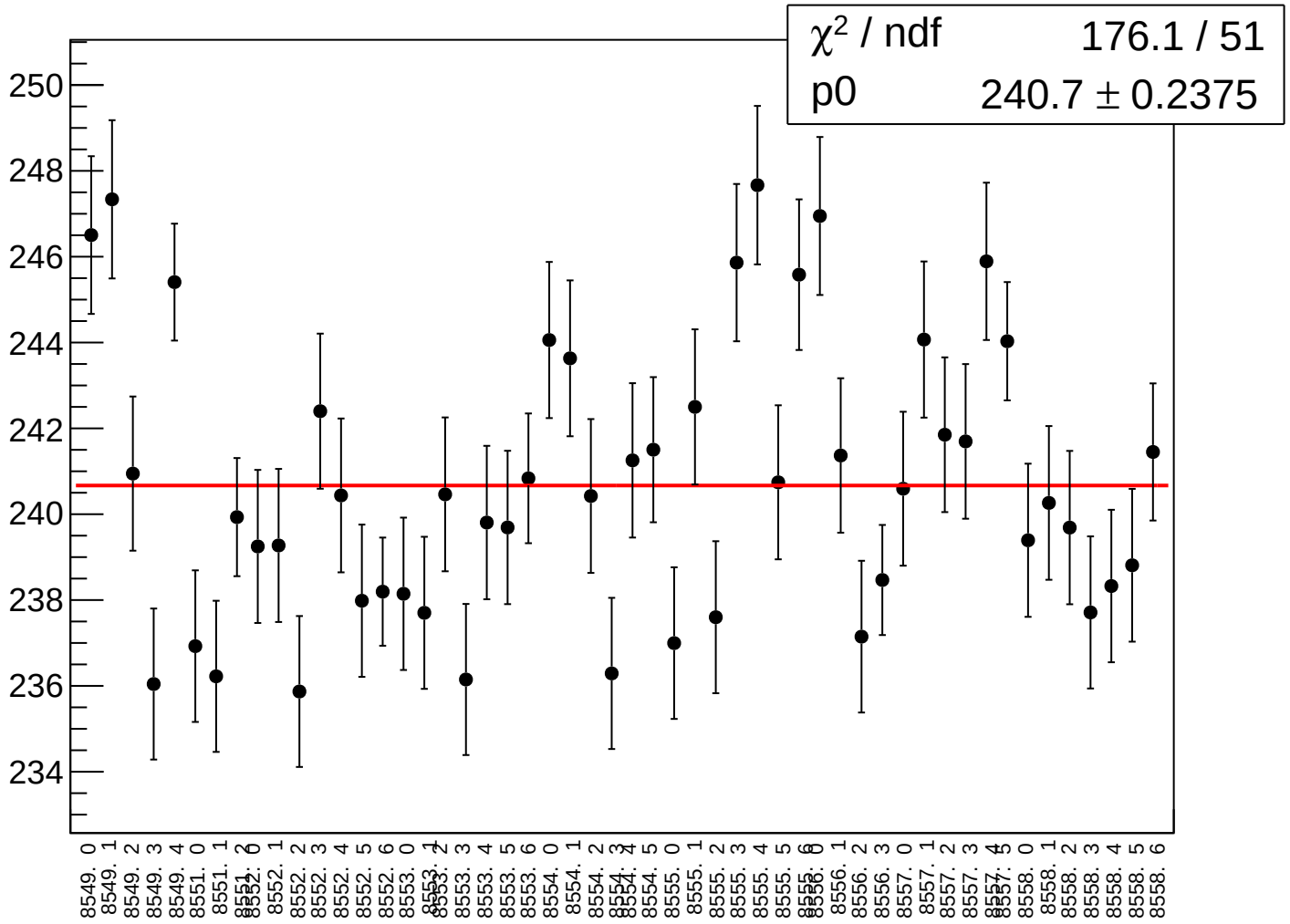

asym_sam_15_dd_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 67.59 / 51
p0 −5.693e−14 ± 3.178e−14
pull
Entries 52
Mean −20.03
Std Dev 0

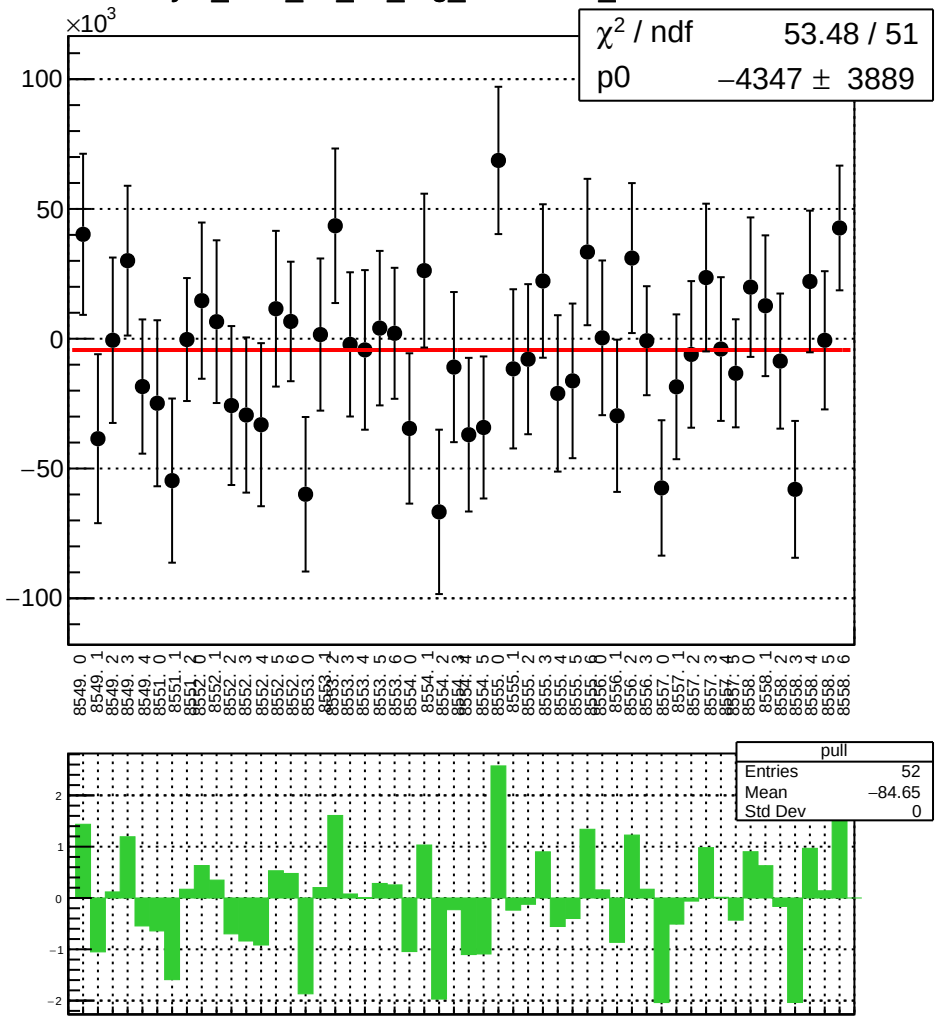

pull1D
Entries 52
Mean 0.07437
Std Dev 1.138

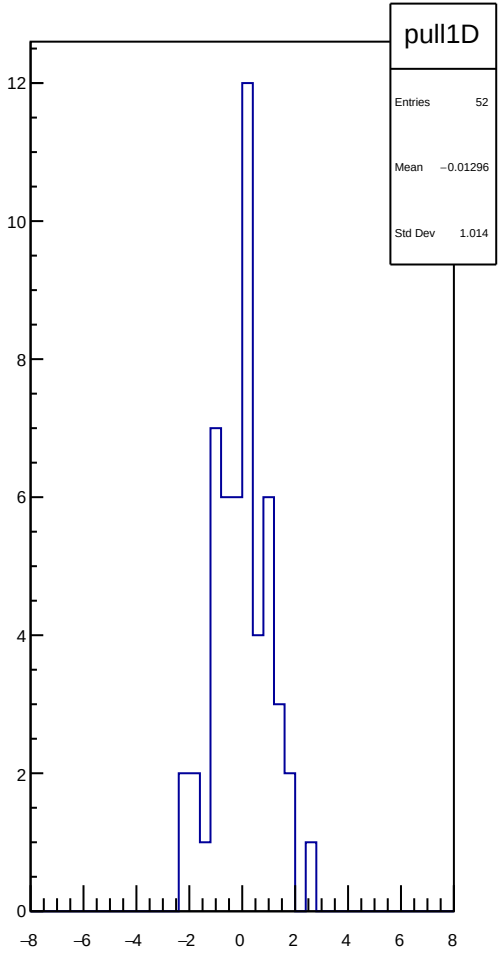

asym_sam_15_dd_eigen_cor_vs_cor_diff_rms vs run
×10⁻¹²
χ² / ndf 2.614e+05 / 51
p0 1.966e−11 ± 2.247e−14
80
70
60
50
40
30
20
10
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

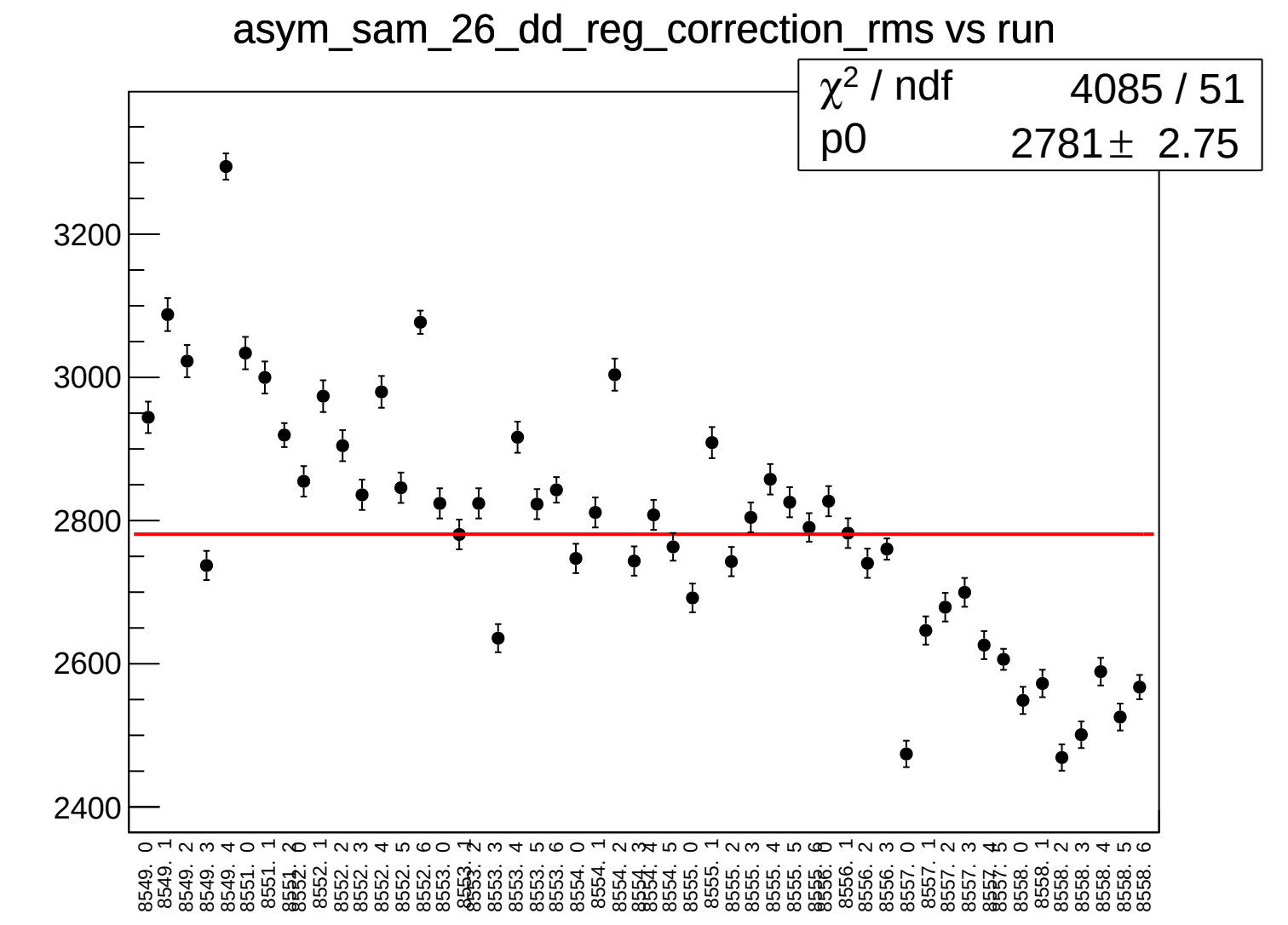

reg_asym_sam_26_dd_mean vs run
χ² / ndf 49.01 / 51
p0 −322.5 ± 335.9
pull
Entries 52
Mean −110.9
Std Dev 0

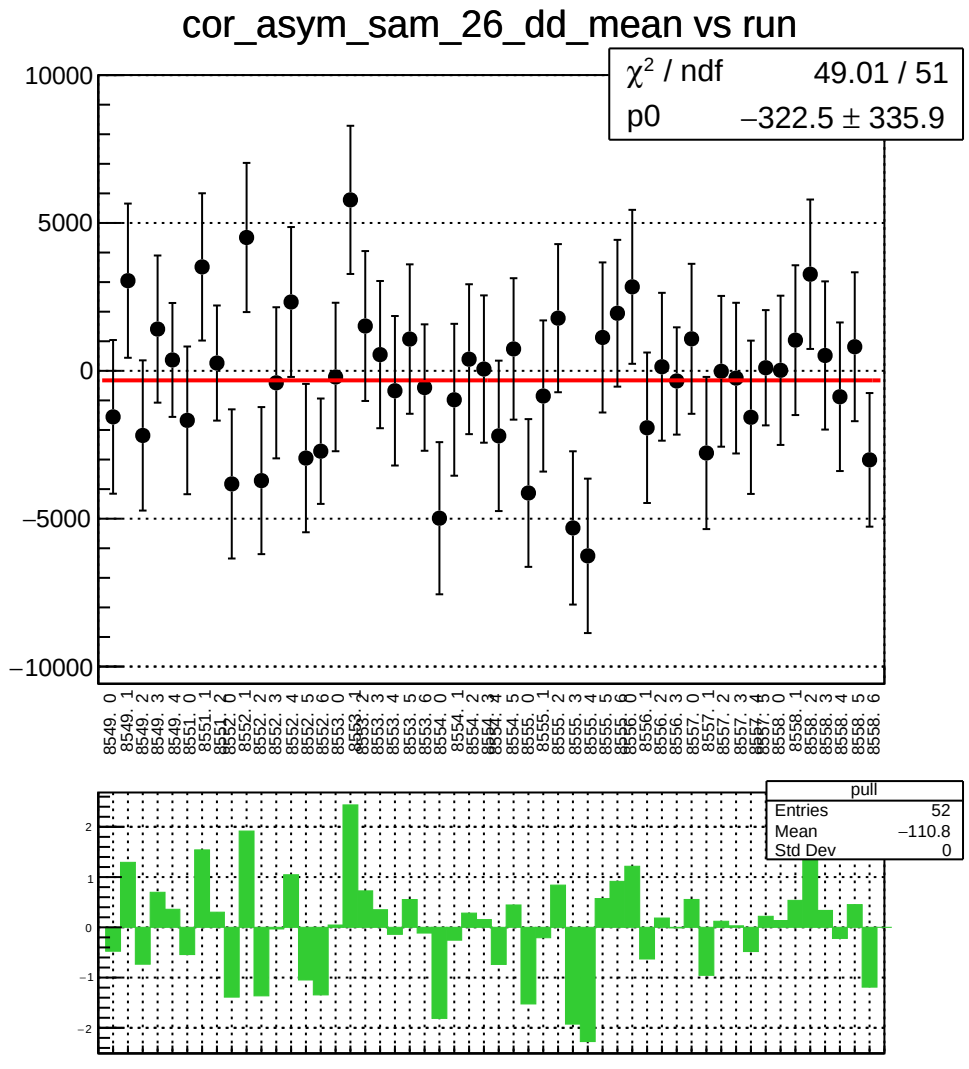

pull1D
Entries 52
Mean 0.005203
Std Dev 0.9709

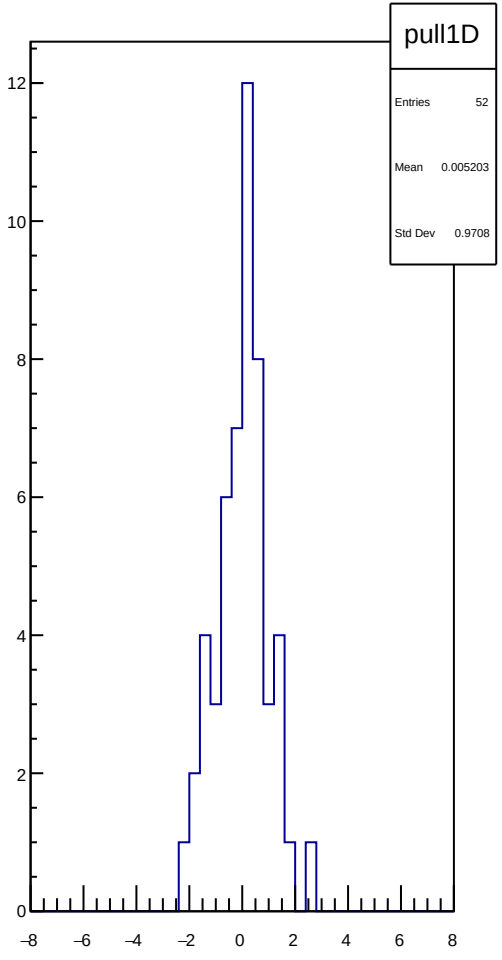

reg_asym_sam_26_dd_rms vs run
χ² / ndf 176.1 / 51
p0 240.7 ± 0.2375
250
248
246
244
242
240
238
236
234
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 5
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

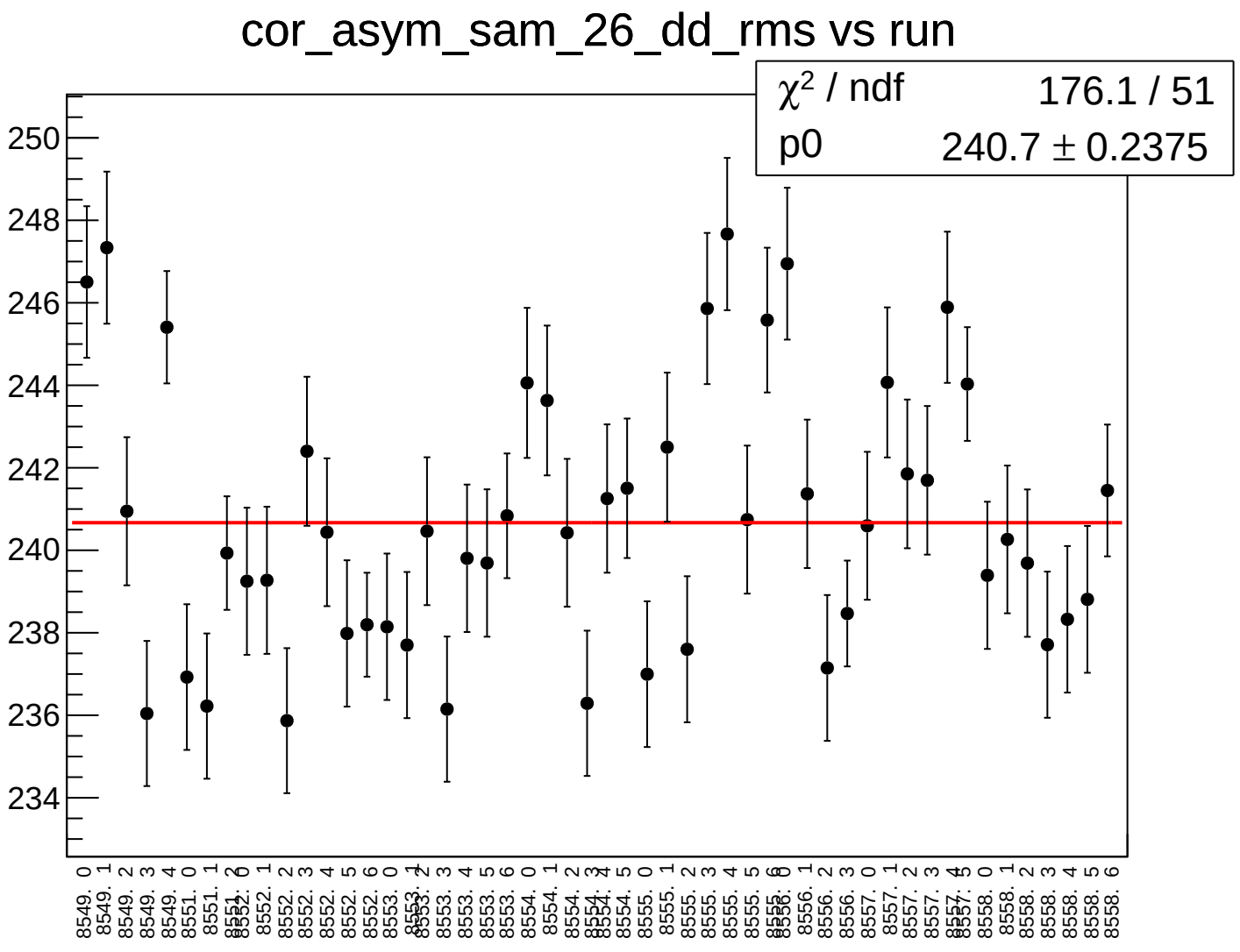

asym_sam_26_dd_reg_correction_mean vs run
×10^3
χ² / ndf 53.48 / 51
p0 −4347 ± 3889
100
50
0
−50
−100
pull
Entries 52
Mean −84.65
Std Dev 0
2
1
0
−1
−2

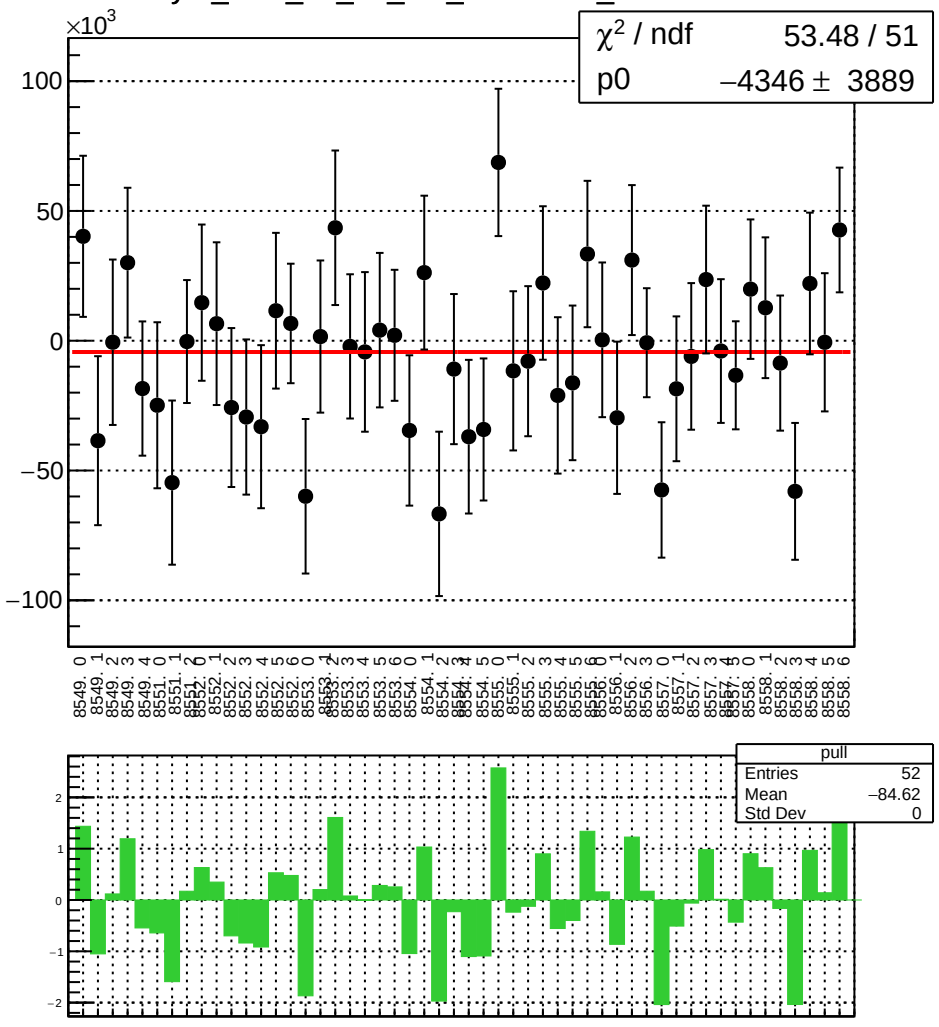

pull1D
Entries 52
Mean −0.01296
Std Dev 1.014
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

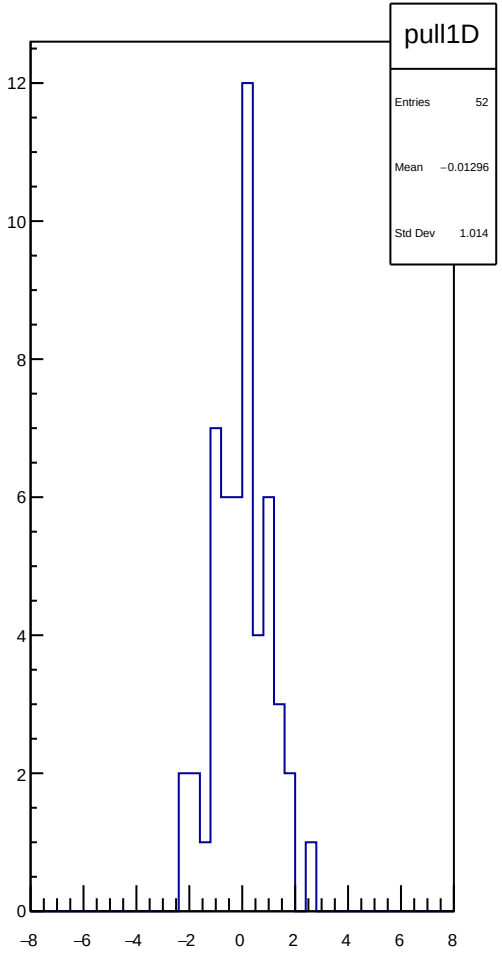

asym_sam_26_dd_reg_correction_rms vs run
χ² / ndf 4085 / 51
p0 2781 ± 2.75
3200
3000
2800
2600
2400
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

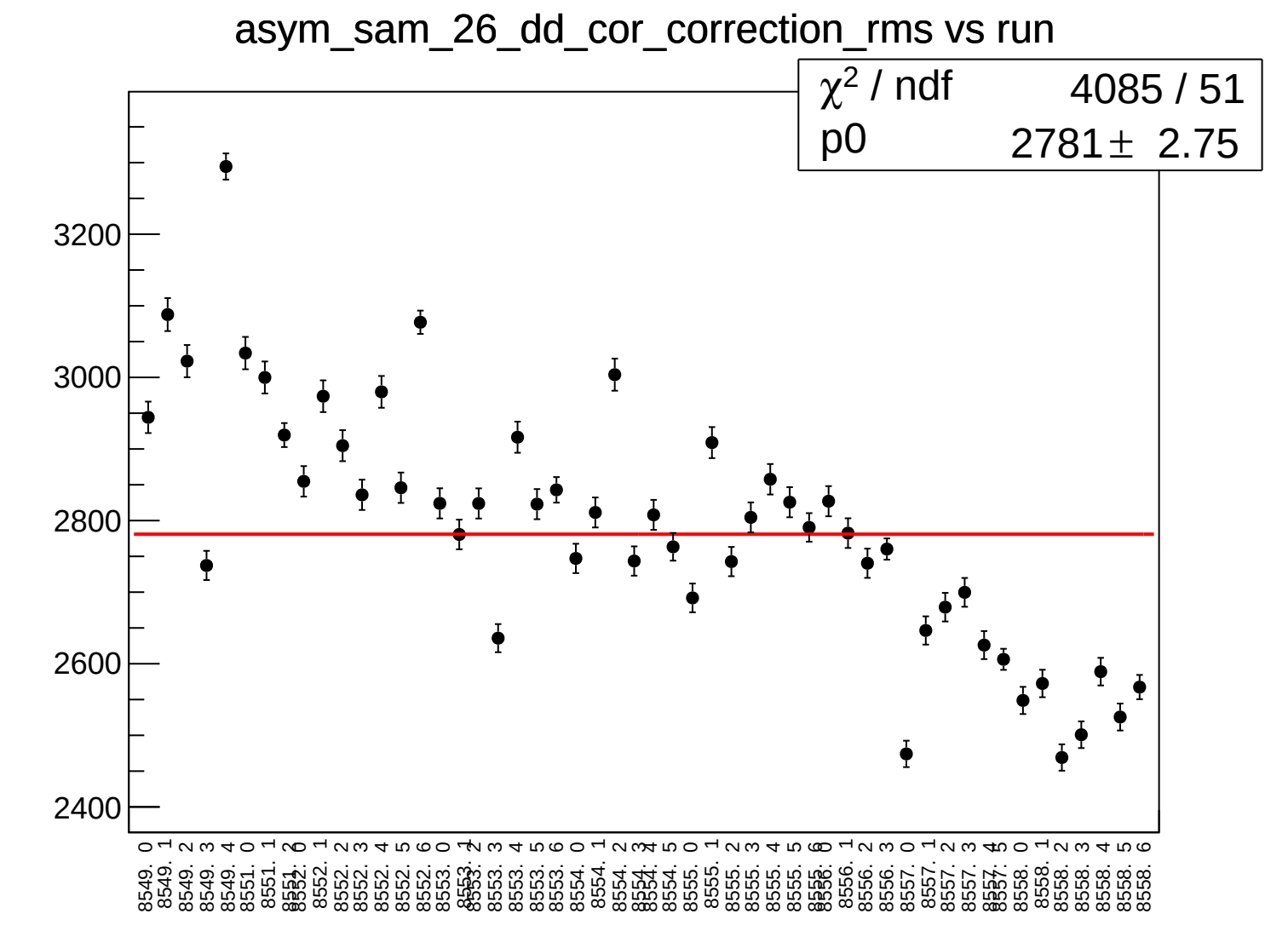

cor_asym_sam_26_dd_mean vs run
χ² / ndf 49.01 / 51
p0 −322.5 ± 335.9
10000
5000
0
−5000
−10000
pull
Entries 52
Mean −110.8
Std Dev 0

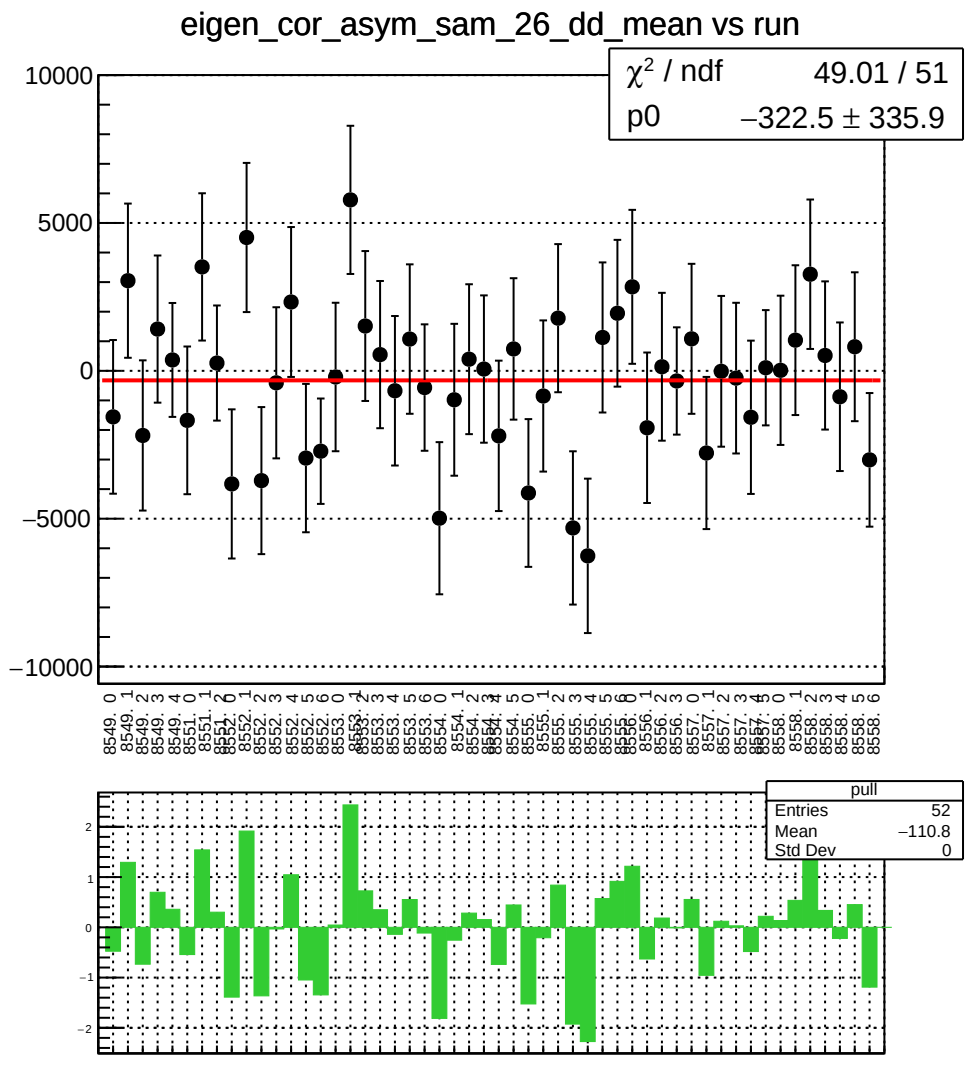

pull1D
Entries 52
Mean 0.005203
Std Dev 0.9708
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

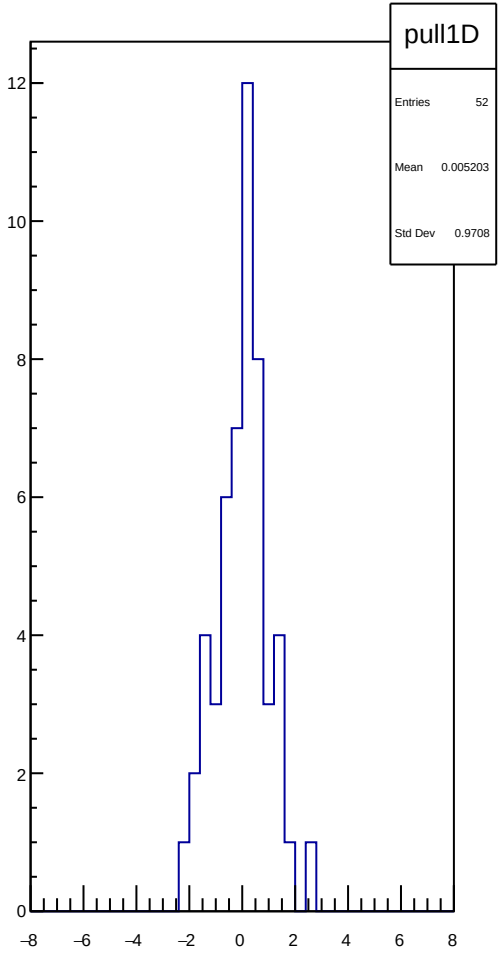

cor_asym_sam_26_dd_rms vs run
χ² / ndf 176.1 / 51
p0 240.7 ± 0.2375
250
248
246
244
242
240
238
236
234
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

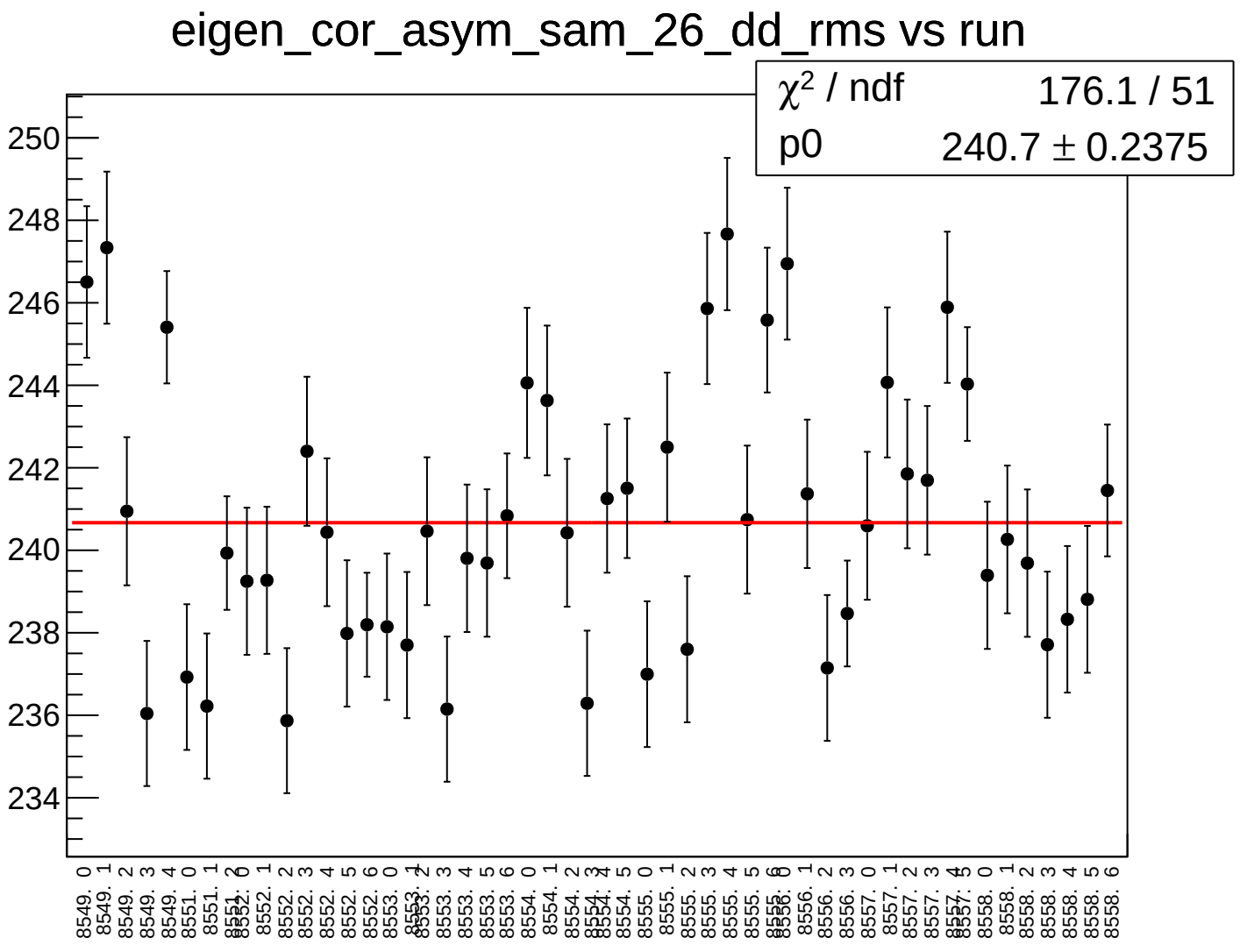

asym_sam_26_dd_cor_correction_mean vs run
×10^3
χ² / ndf 53.48 / 51
p0 −4346 ± 3889
100
50
0
−50
−100
pull
Entries 52
Mean −84.62
Std Dev 0
2
1
0
−1
−2

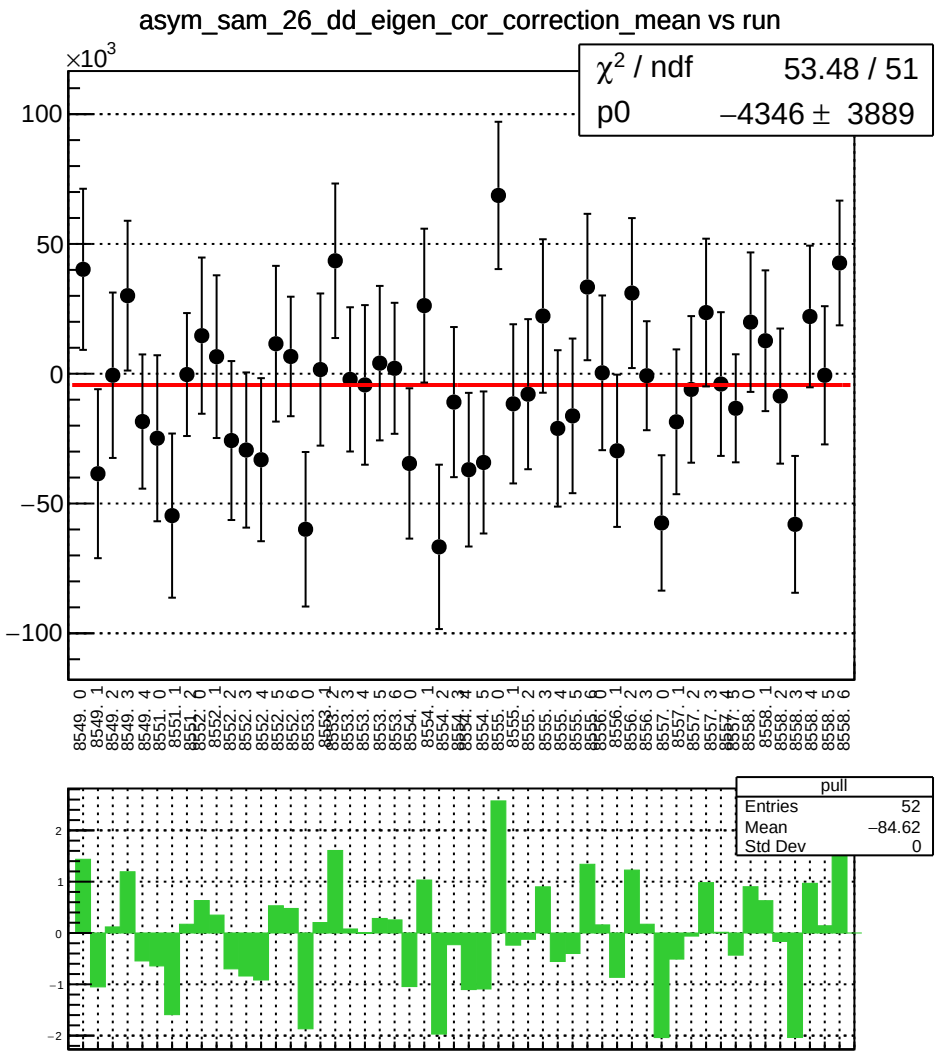

pull1D
Entries 52
Mean −0.01296
Std Dev 1.014
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

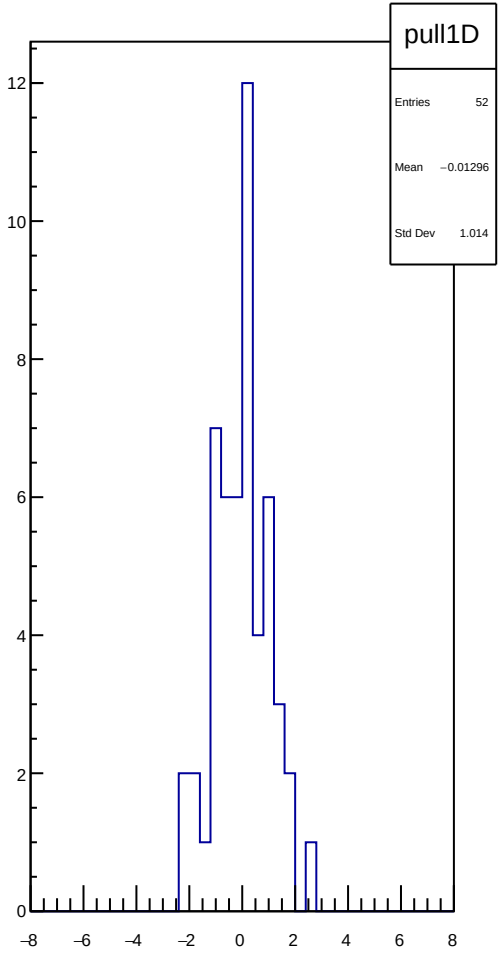

asym_sam_26_dd_cor_correction_rms vs run
χ² / ndf 4085 / 51
p0 2781 ± 2.75
3200
3000
2800
2600
2400
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

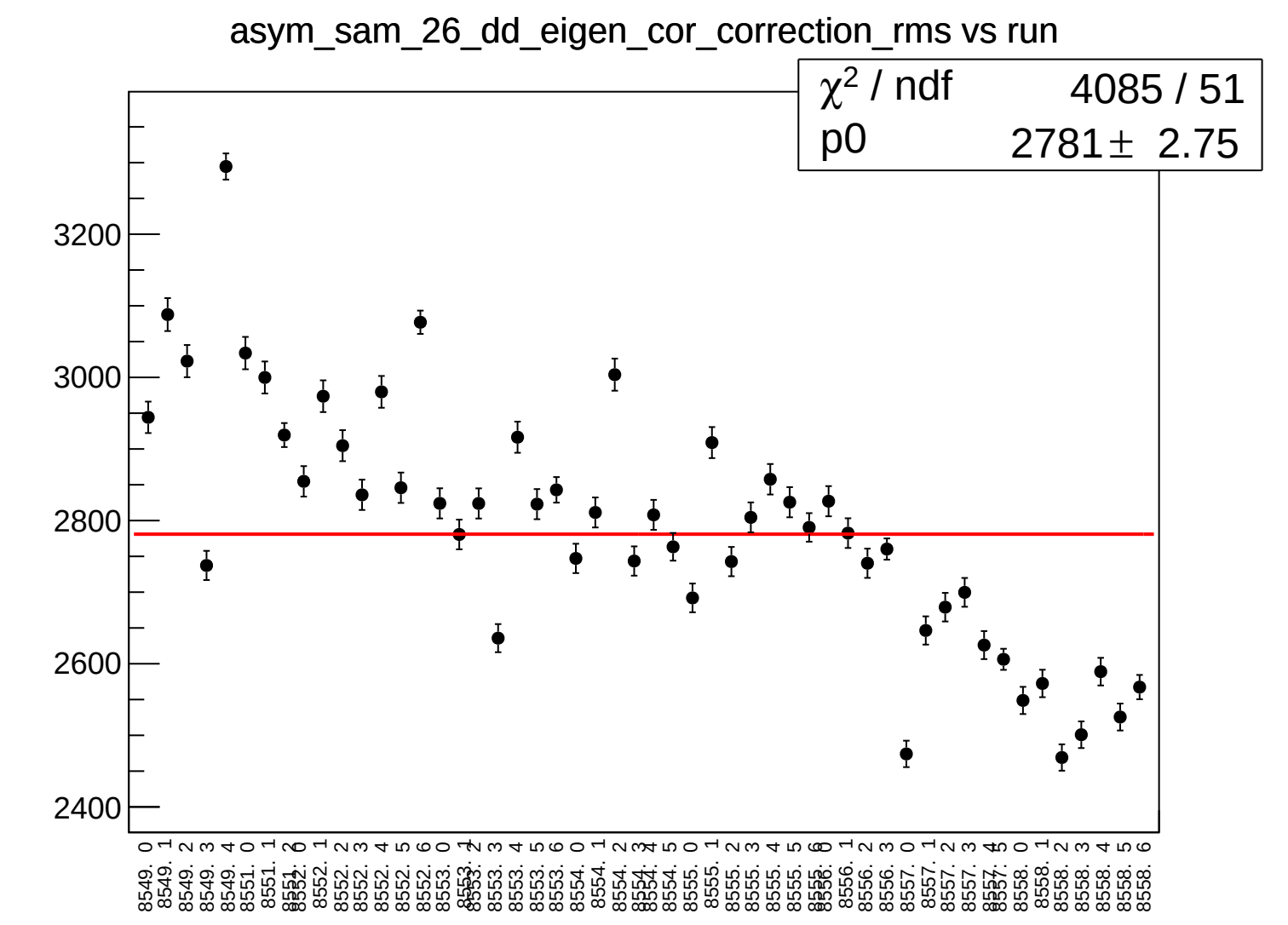

eigen_cor_asym_sam_26_dd_mean vs run
χ² / ndf 49.01 / 51
p0 −322.5 ± 335.9
10000
5000
0
−5000
−10000
pull
Entries 52
Mean −110.8
Std Dev 0


pull1D
Entries 52
Mean 0.005203
Std Dev 0.9708
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


eigen_cor_asym_sam_26_dd_rms vs run
χ² / ndf 176.1 / 51
p0 240.7 ± 0.2375
250
248
246
244
242
240
238
236
234
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 5
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6


asym_sam_26_dd_eigen_cor_correction_mean vs run
×10^3
χ² / ndf 53.48 / 51
p0 −4346 ± 3889
100
50
0
−50
−100
pull
Entries 52
Mean −84.62
Std Dev 0
2
1
0
−1
−2


pull1D
Entries 52
Mean −0.01296
Std Dev 1.014
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


asym_sam_26_dd_eigen_cor_correction_rms vs run
χ² / ndf 4085 / 51
p0 2781 ± 2.75
3200
3000
2800
2600
2400
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
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8555. 2
8555. 3
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8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
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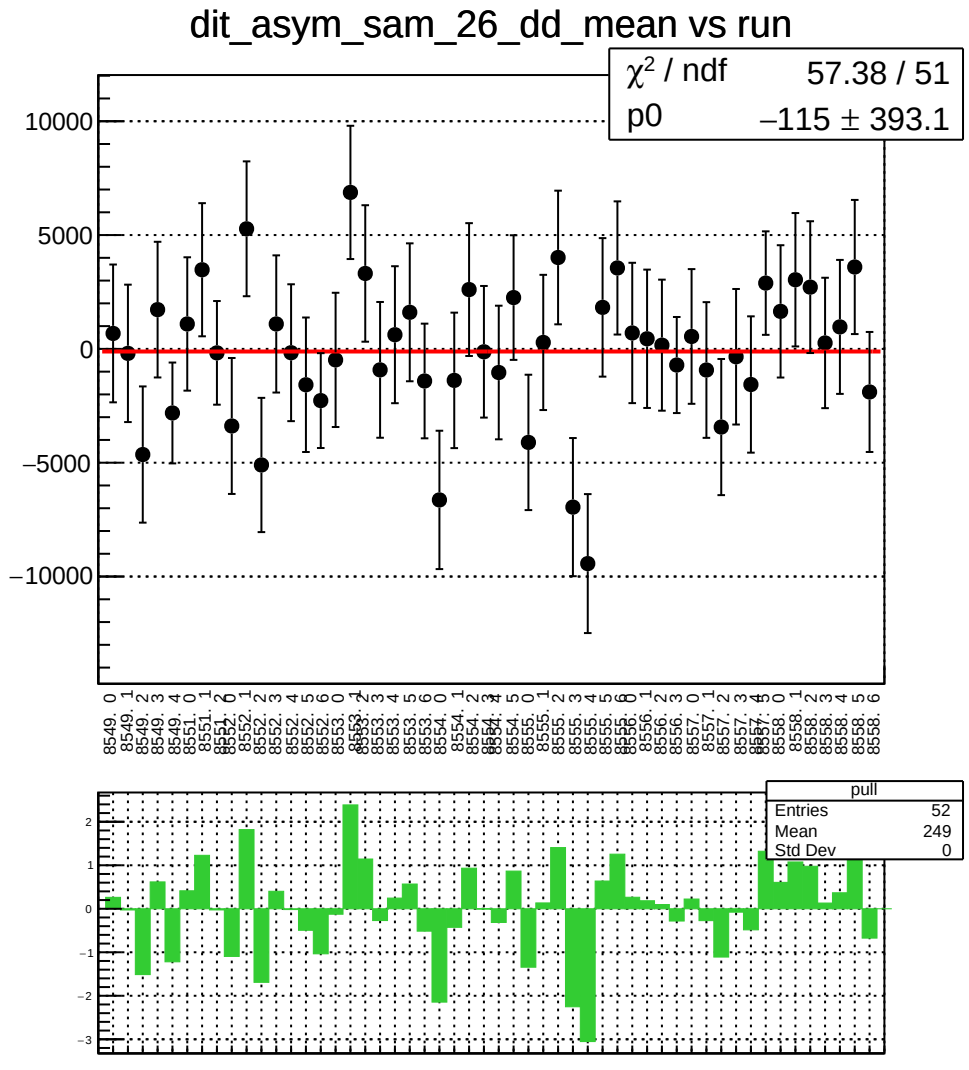
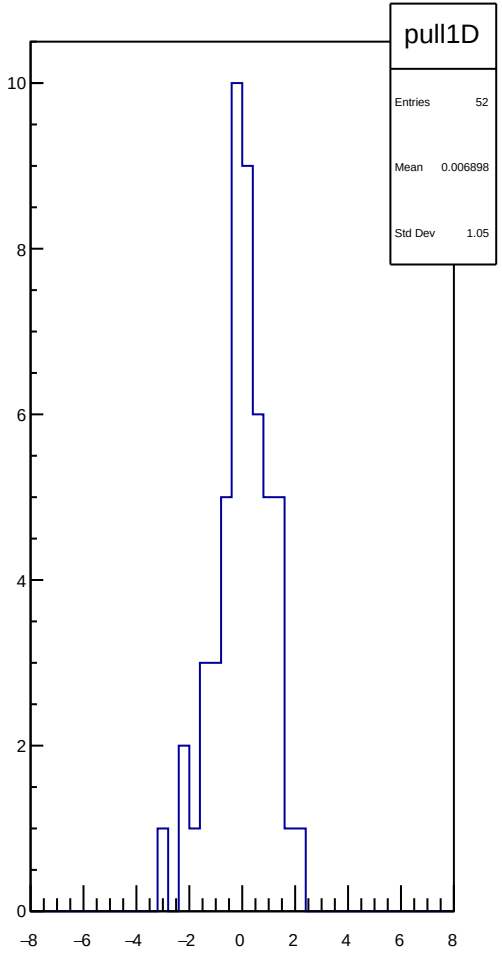
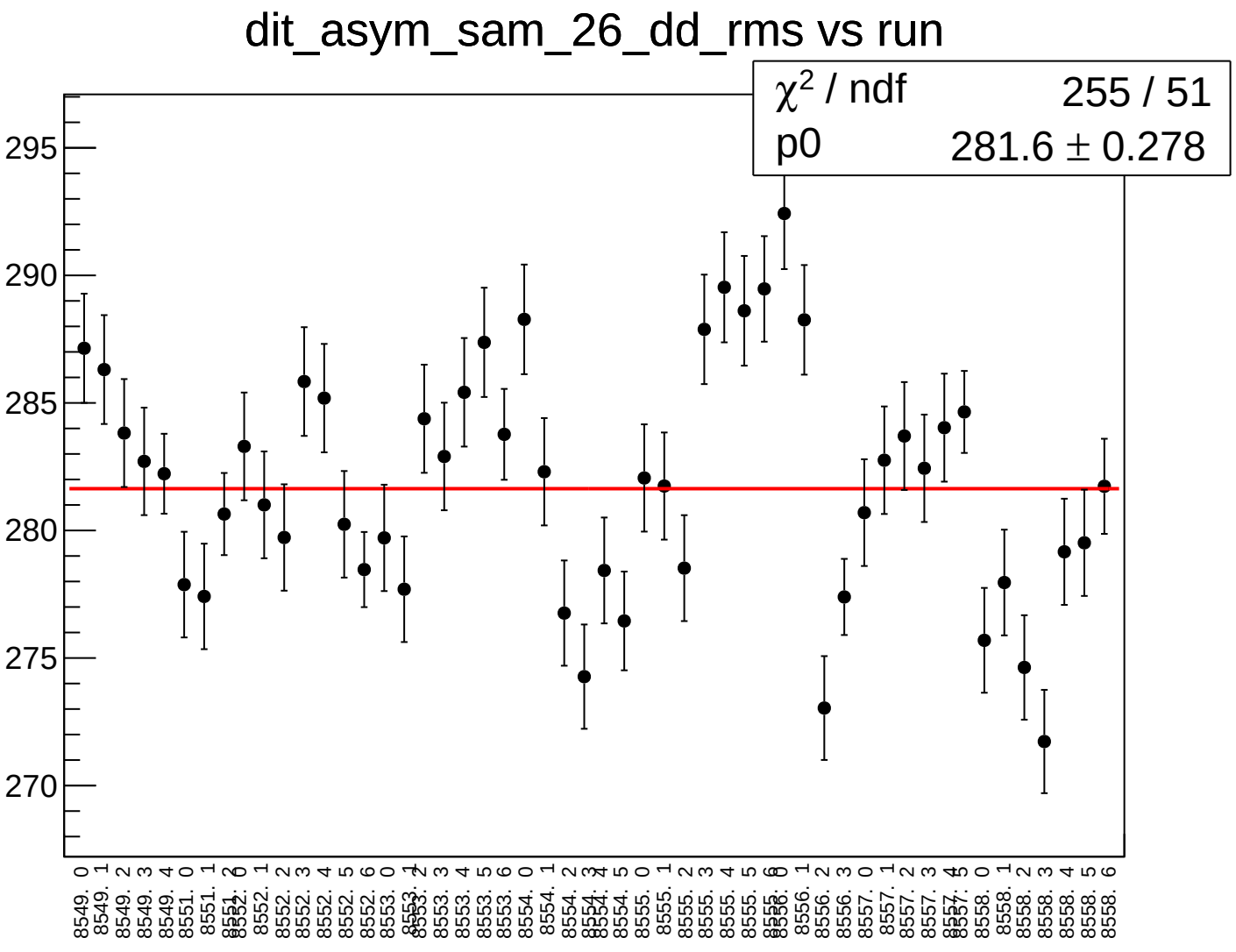
8558. 5
8558. 6


dit_asym_sam_26_dd_mean vs run
χ² / ndf 57.38 / 51
p0 −115 ± 393.1
10000
5000
0
−5000
−10000
pull
Entries 52
Mean 249
Std Dev 0
2
1
0
−1
−2
−3


pull1D
Entries 52
Mean 0.006898
Std Dev 1.05
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


dit_asym_sam_26_dd_rms vs run
χ^2 / ndf 255 / 51
p0 281.6 ± 0.278
295
290
285
280
275
270
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
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8554. 2
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8555. 3
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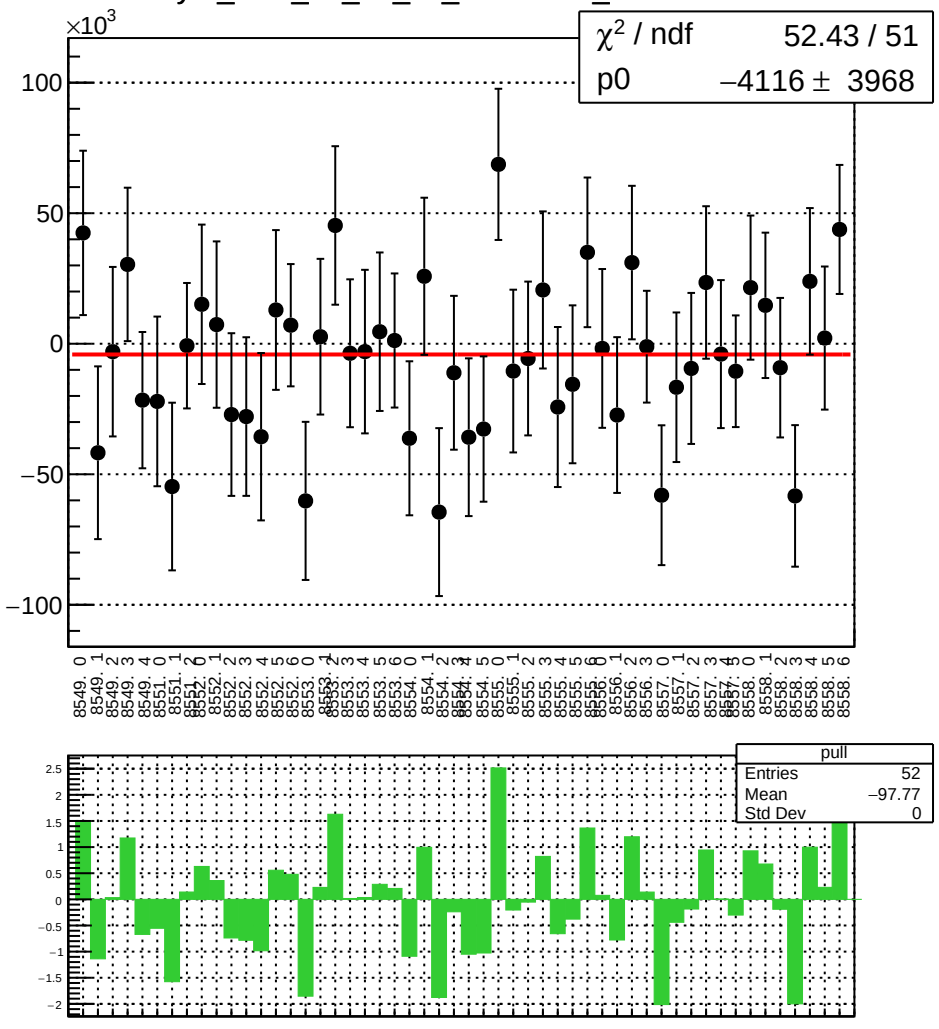
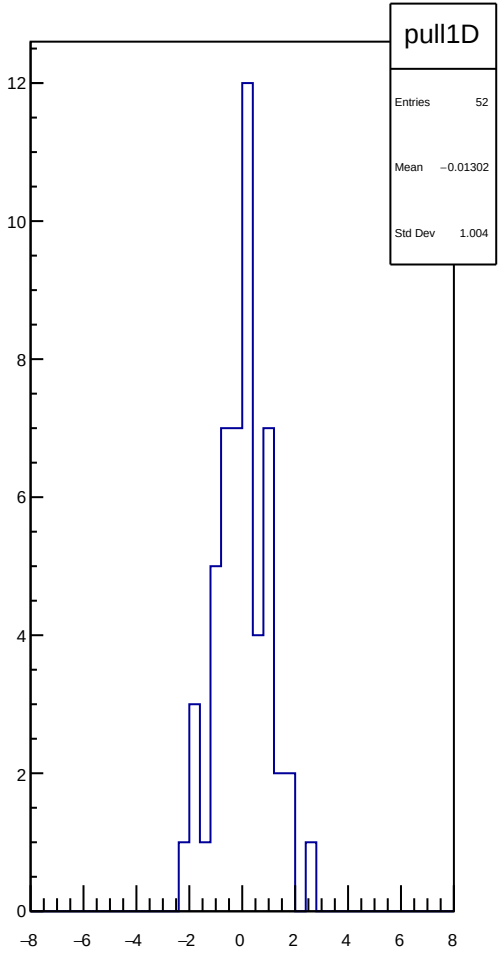
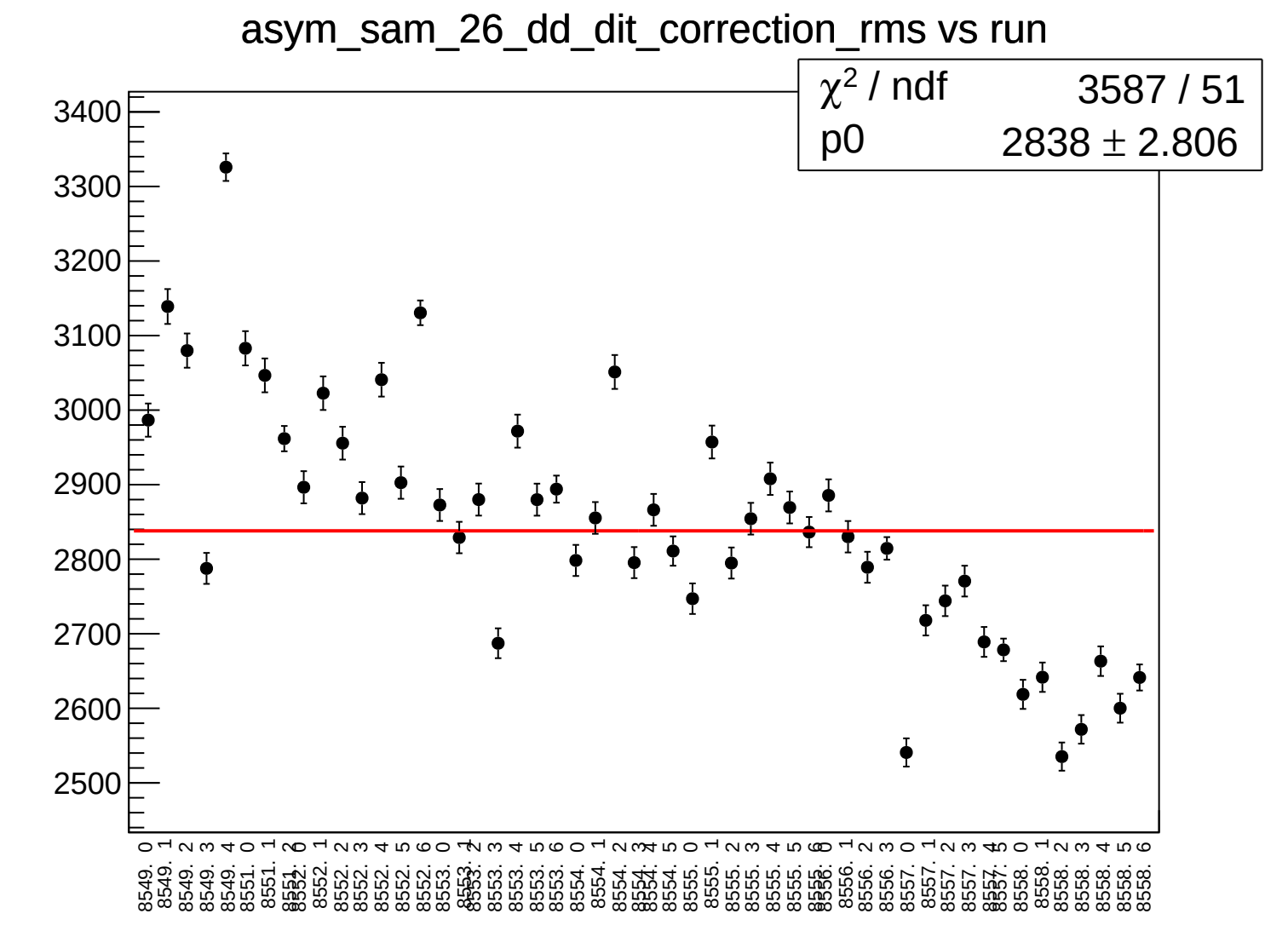
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6


asym_sam_26_dd_dit_correction_mean vs run
×10^3
χ² / ndf 52.43 / 51
p0 −4116 ± 3968
100
50
0
−50
−100
pull
Entries 52
Mean −97.77
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2


pull1D
Entries 52
Mean −0.01302
Std Dev 1.004
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 3587 / 51
p0 2838 ± 2.806
3400
3300
3200
3100
3000
2900
2800
2700
2600
2500
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
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8555. 2
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8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
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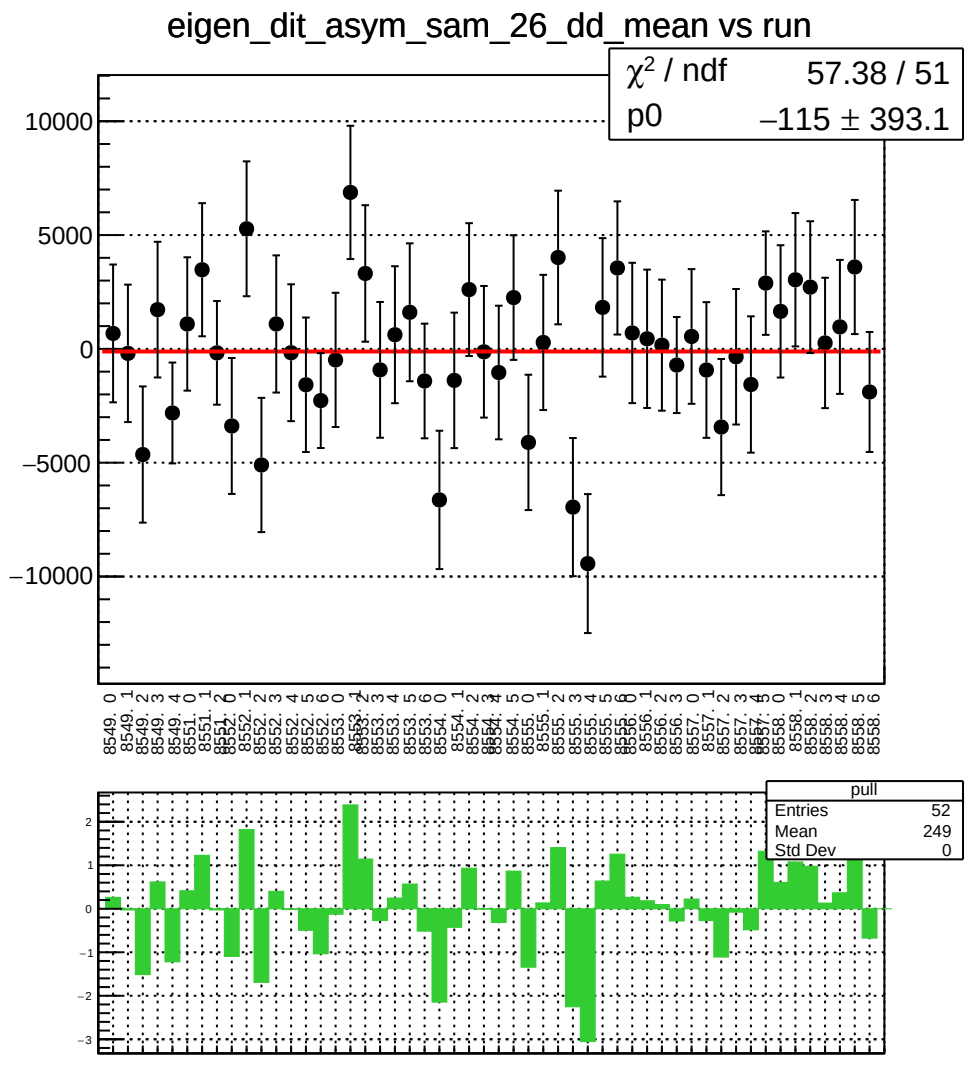
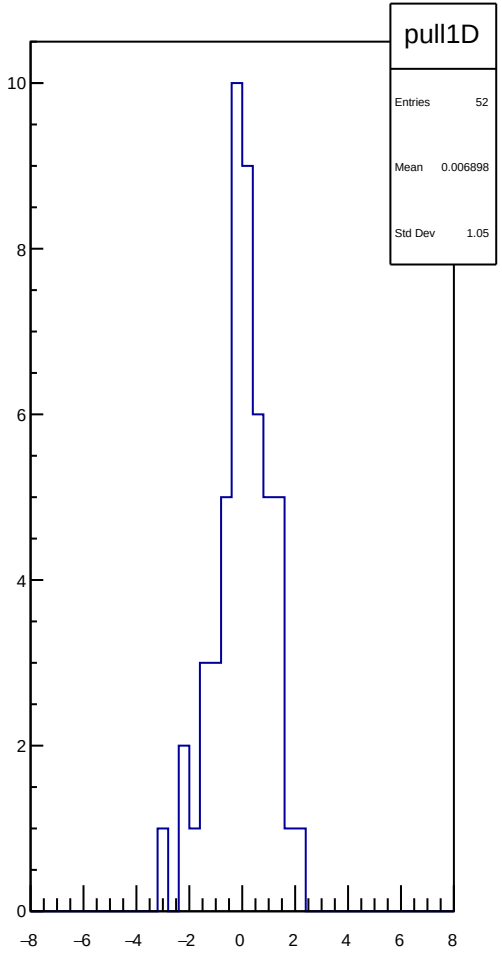
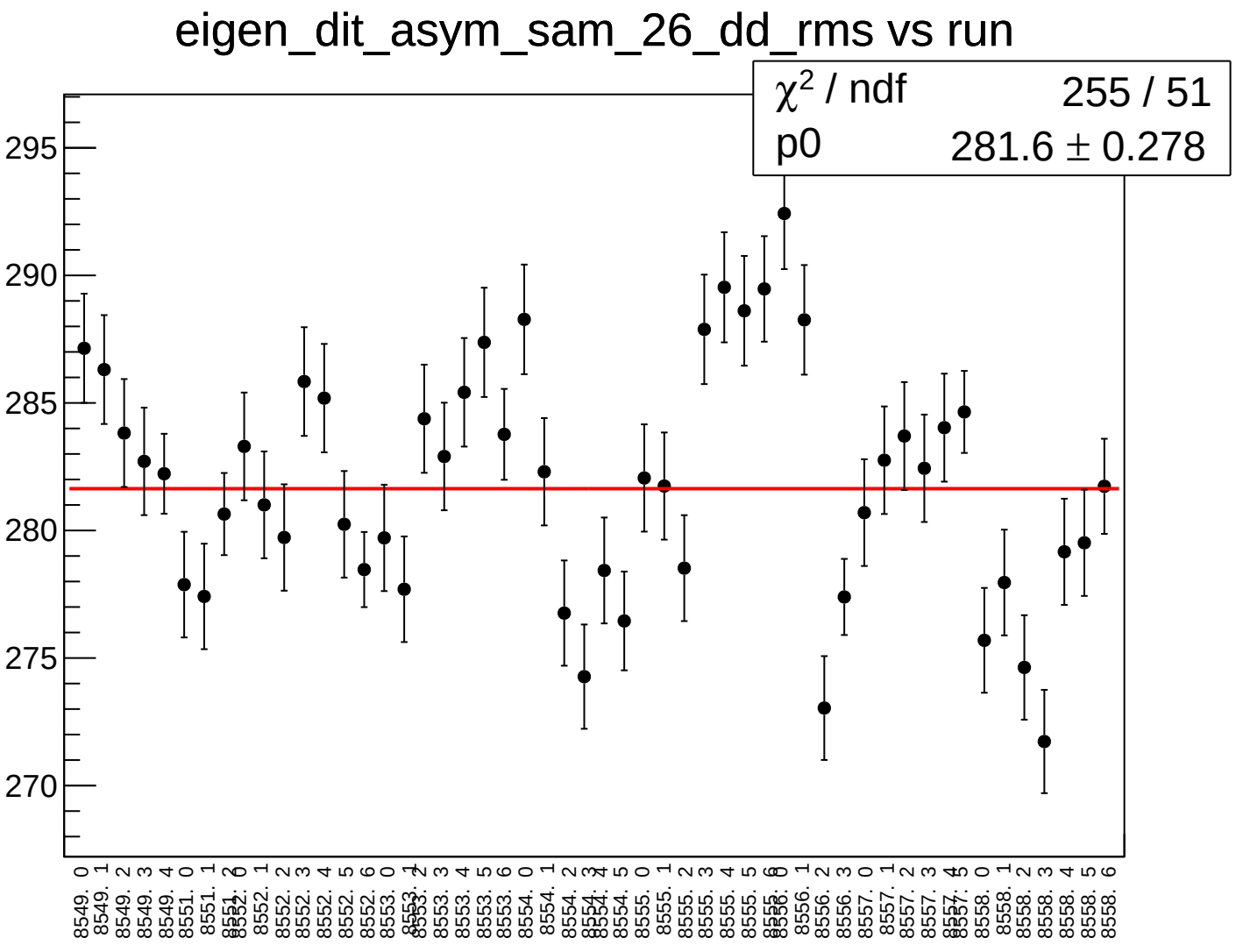
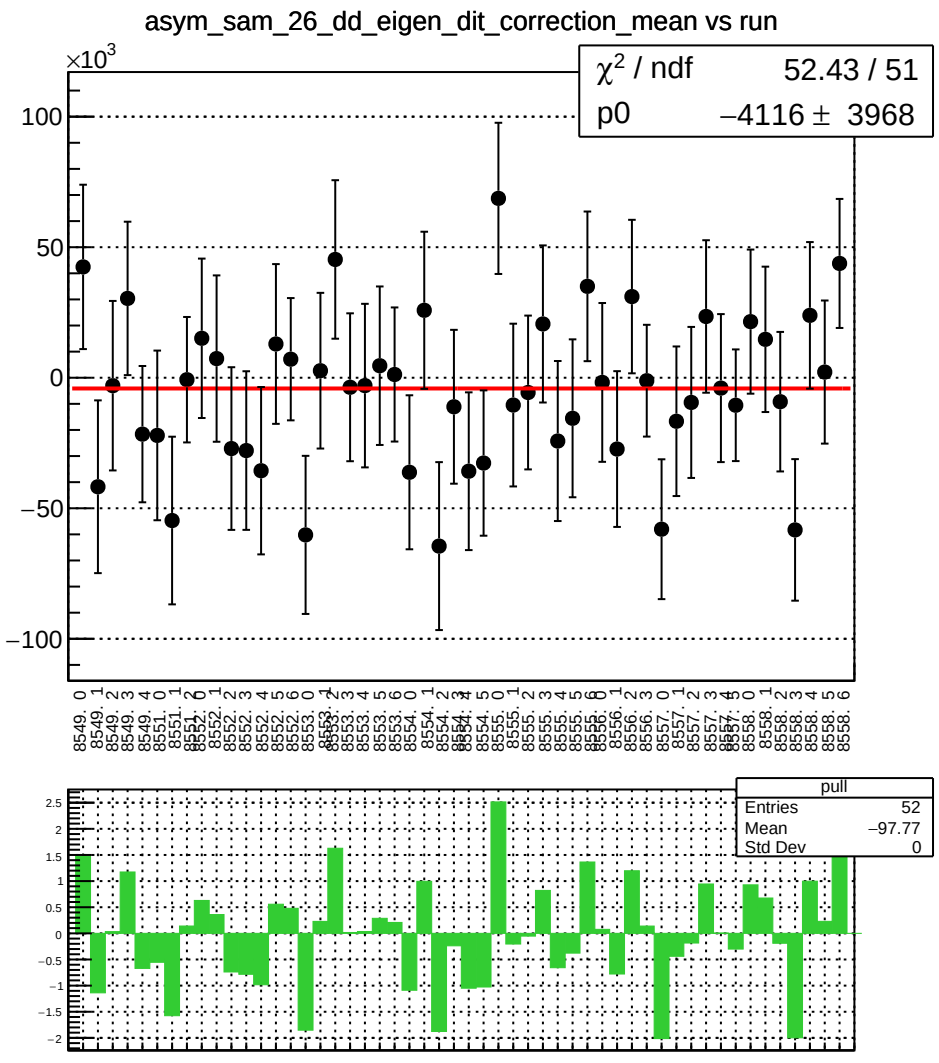
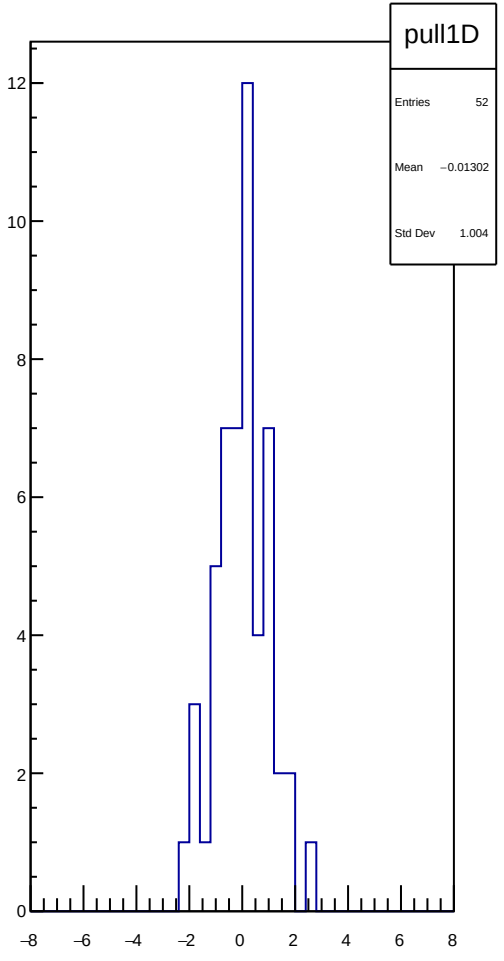
8558. 5
8558. 6

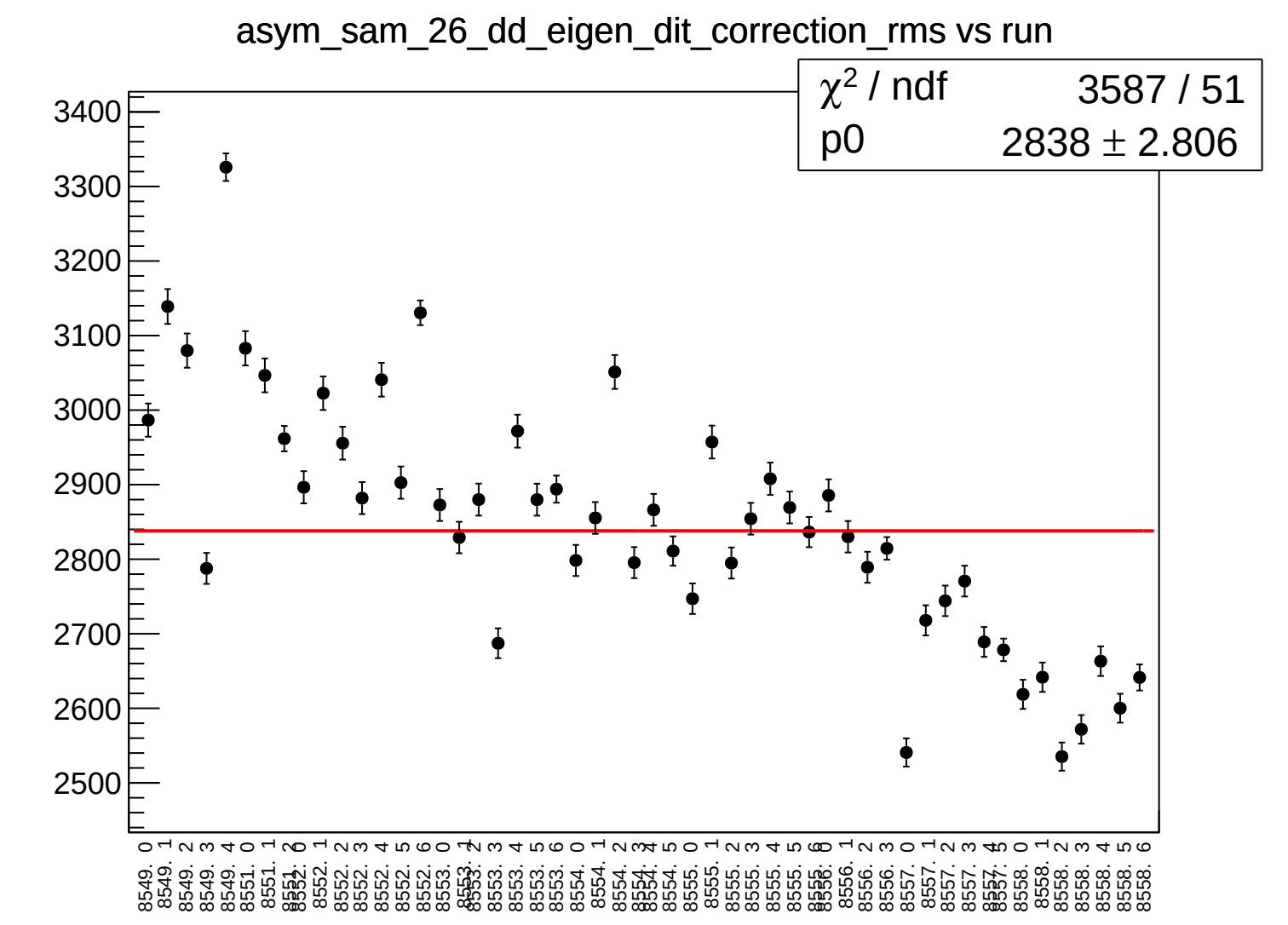

eigen_dit_asym_sam_26_dd_mean vs run
χ² / ndf 57.38 / 51
p0 −115 ± 393.1
10000
5000
0
−5000
−10000
pull
Entries 52
Mean 249
Std Dev 0
2
1
0
−1
−2
−3

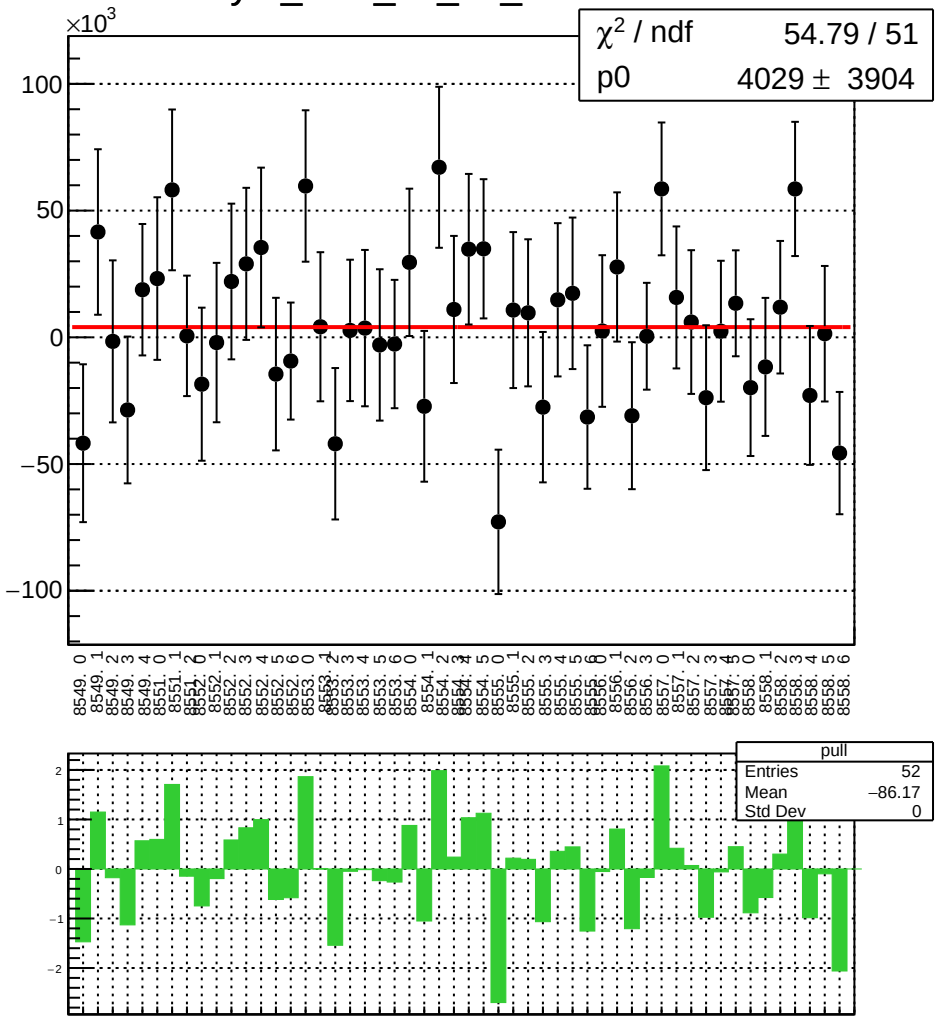

pull1D
Entries 52
Mean 0.006898
Std Dev 1.05
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

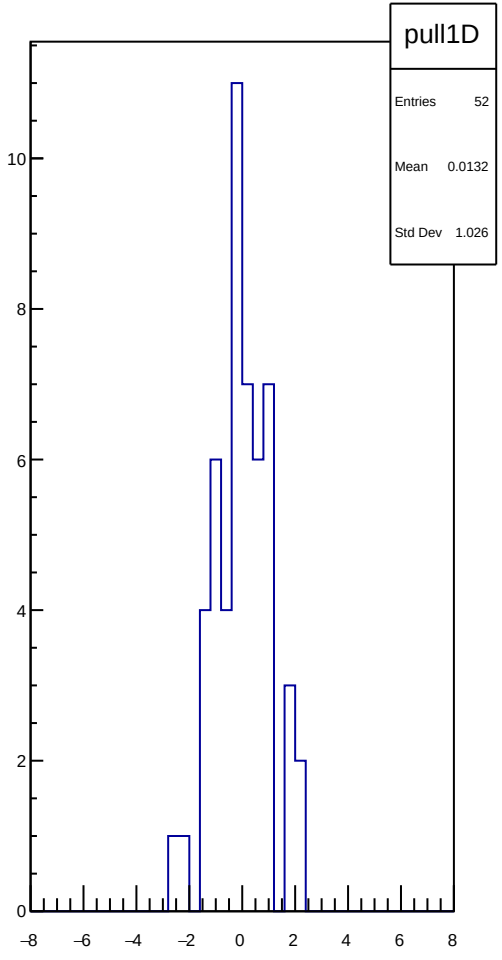

eigen_dit_asym_sam_26_dd_rms vs run
χ² / ndf 255 / 51
p0 281.6 ± 0.278
295
290
285
280
275
270
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 5
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

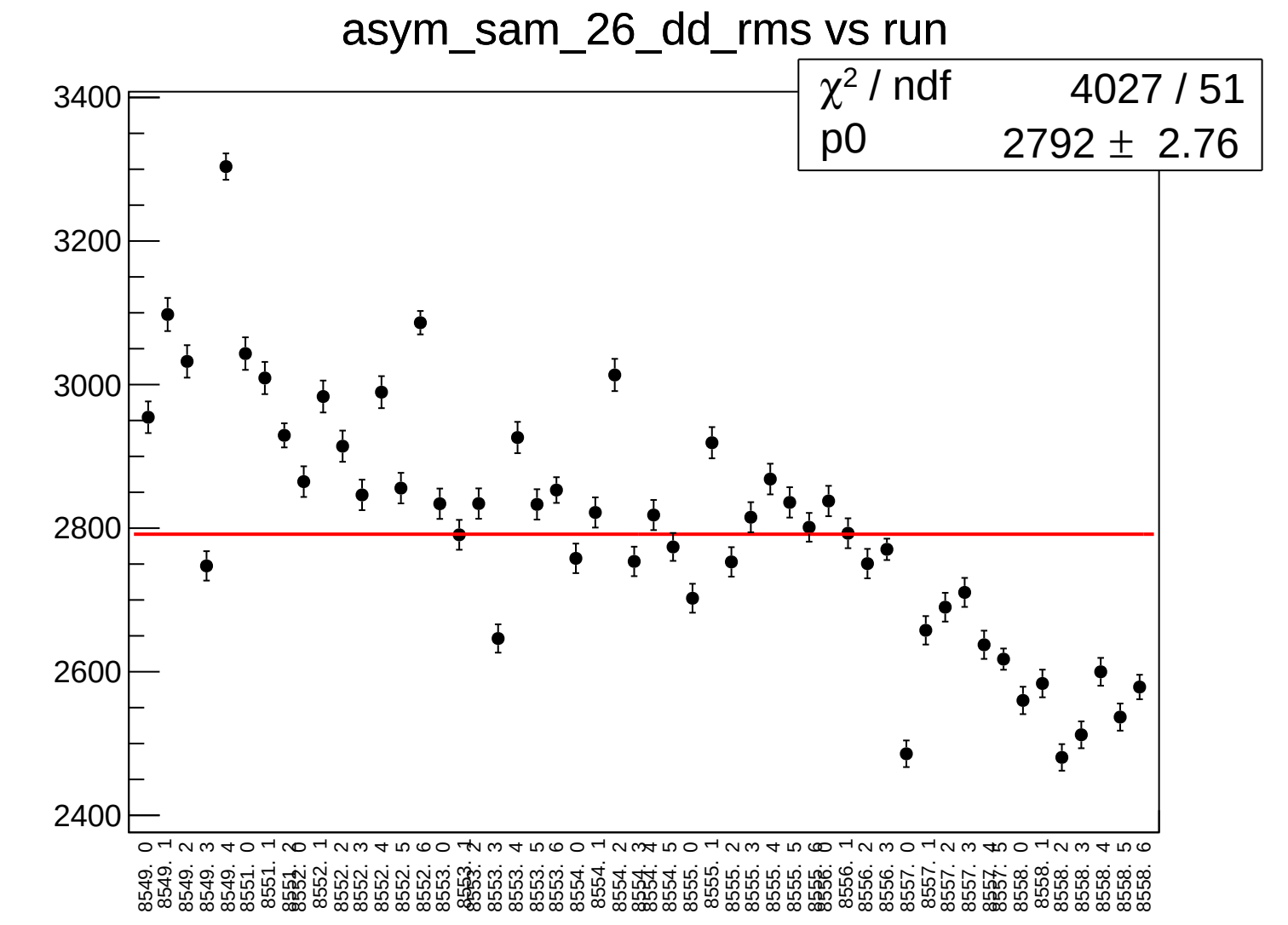

asym_sam_26_dd_eigen_dit_correction_mean vs run
×10^3
χ² / ndf 52.43 / 51
p0 −4116 ± 3968
100
50
0
−50
−100
pull
Entries 52
Mean −97.77
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

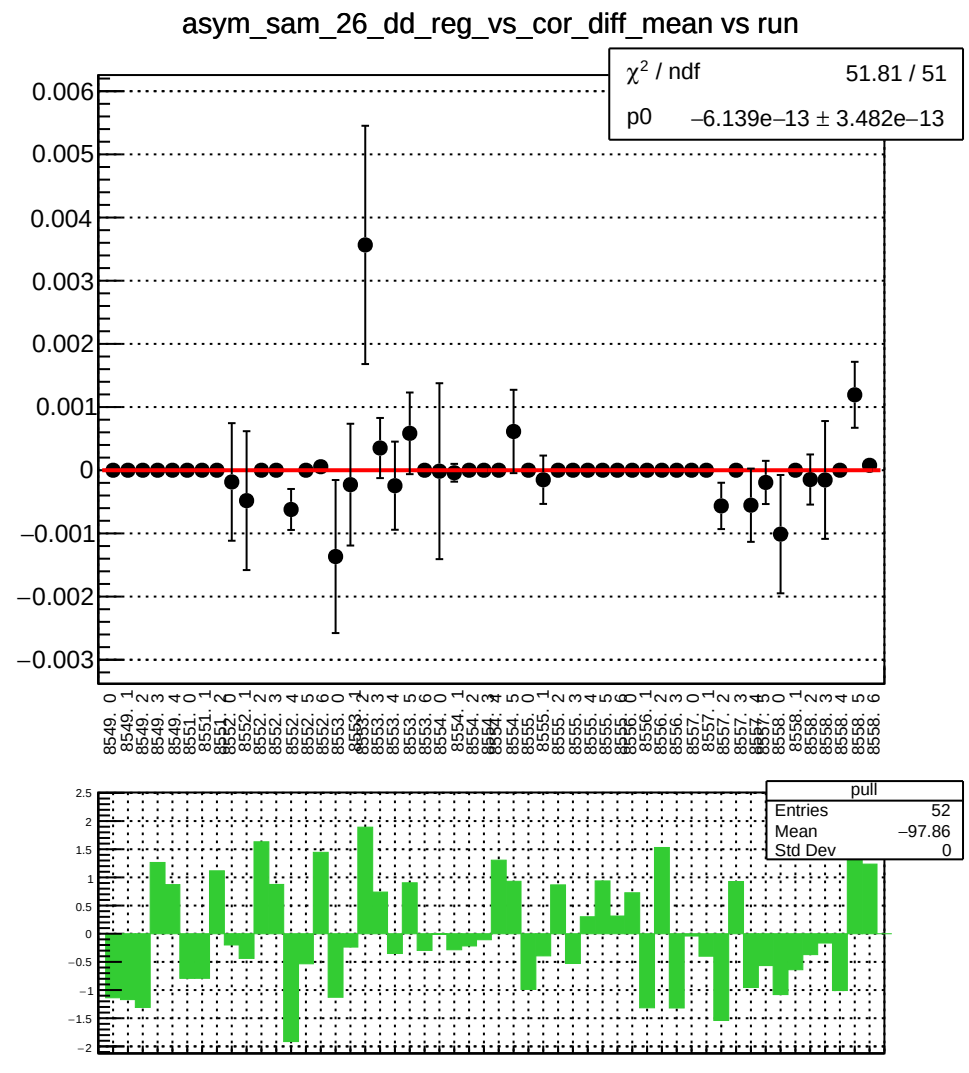

pull1D
Entries 52
Mean −0.01302
Std Dev 1.004
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

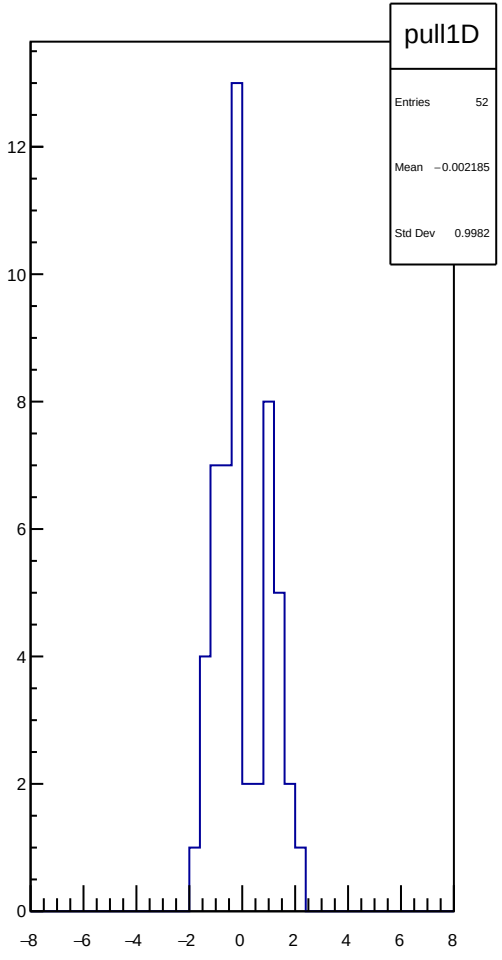

asym_sam_26_dd_eigen_dit_correction_rms vs run
χ² / ndf 3587 / 51
p0 2838 ± 2.806
3400
3300
3200
3100
3000
2900
2800
2700
2600
2500
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

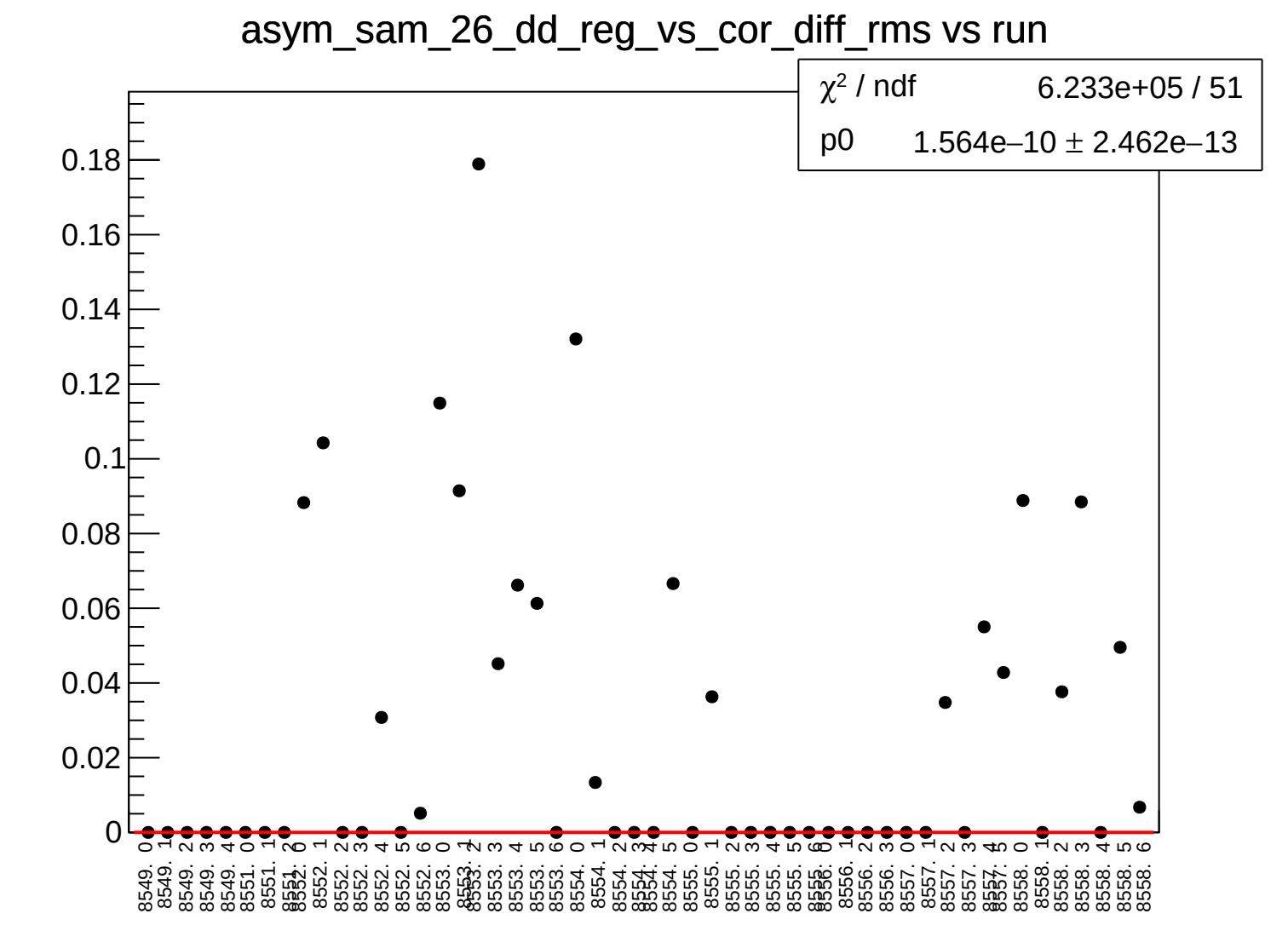

asym_sam_26_dd_mean vs run
×10^3
χ² / ndf 54.79 / 51
p0 4029 ± 3904
100
50
0
−50
−100
pull
Entries 52
Mean −86.17
Std Dev 0
2
1
0
−1
−2

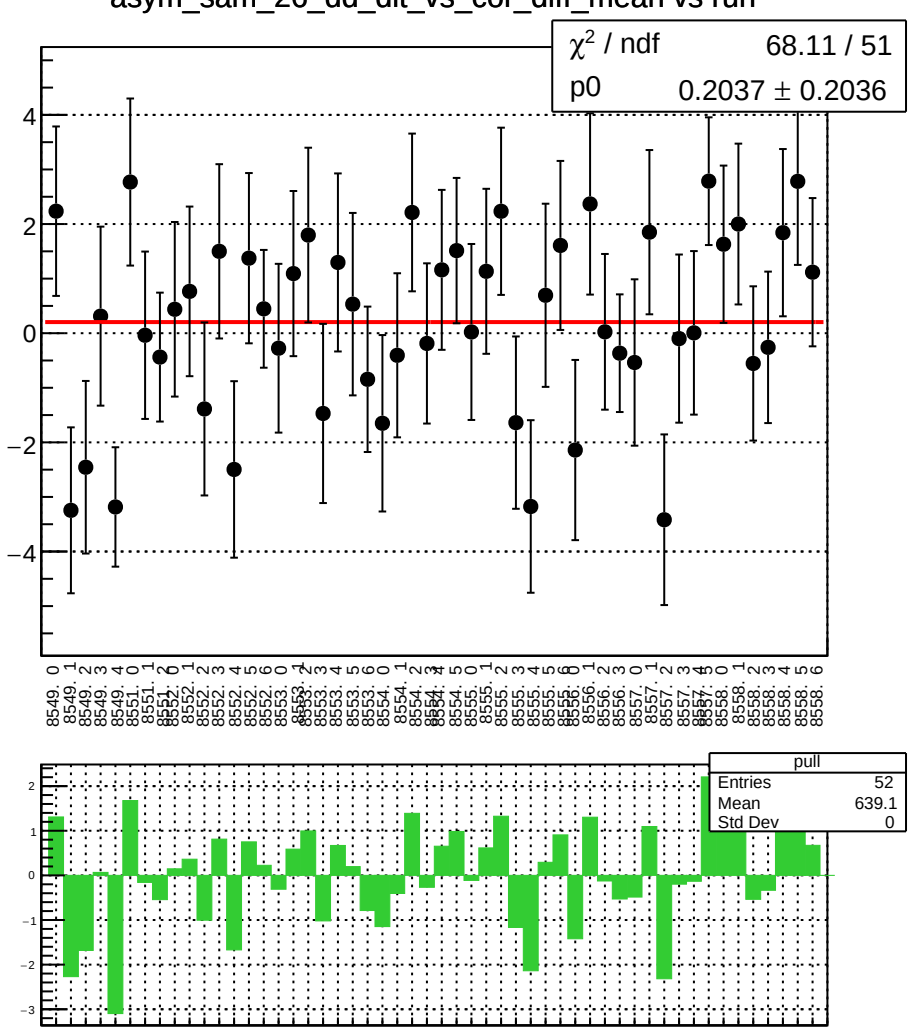

pull1D
Entries 52
Mean 0.0132
Std Dev 1.026
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

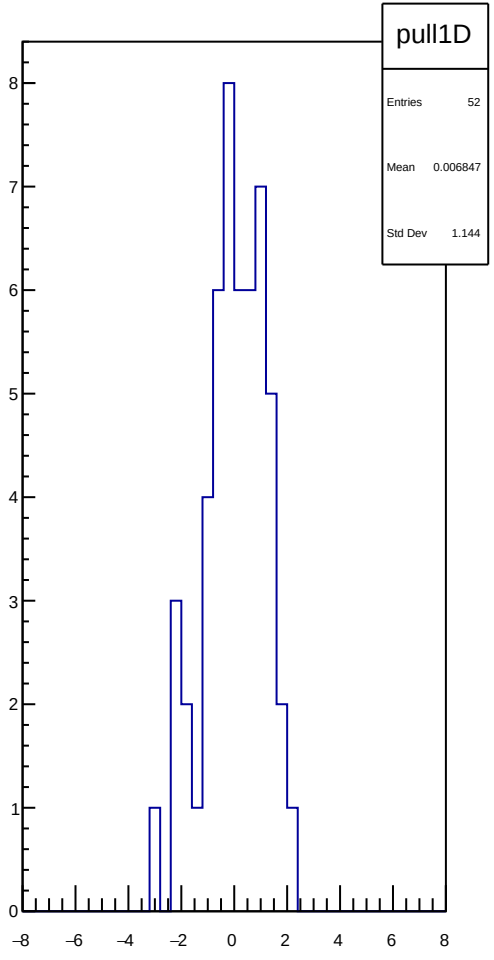

asym_sam_26_dd_rms vs run
χ² / ndf 4027 / 51
p0 2792 ± 2.76
3400
3200
3000
2800
2600
2400
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

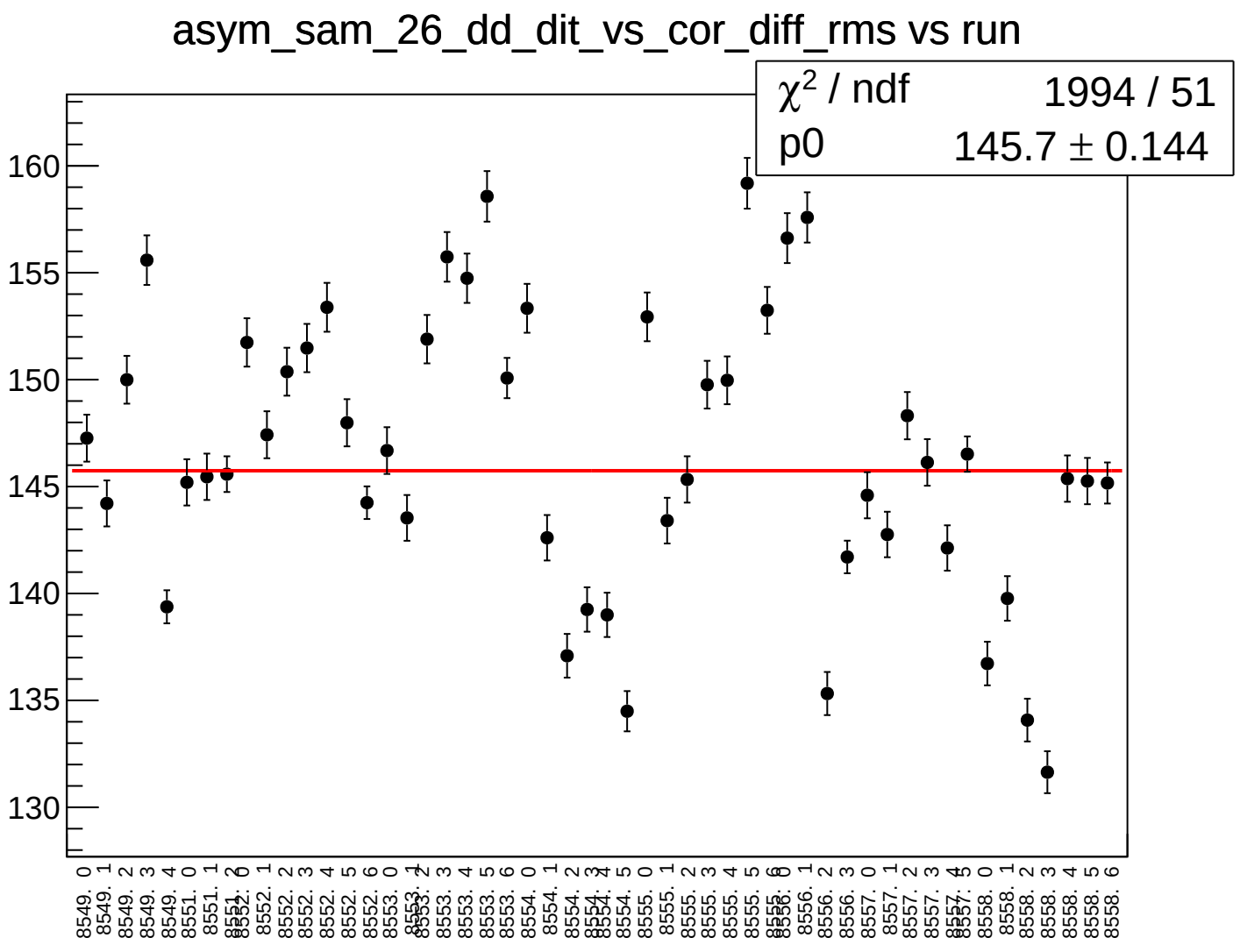

asym_sam_26_dd_reg_vs_cor_diff_mean vs run
χ² / ndf 51.81 / 51
p0 −6.139e−13 ± 3.482e−13
pull
Entries 52
Mean −97.86
Std Dev 0

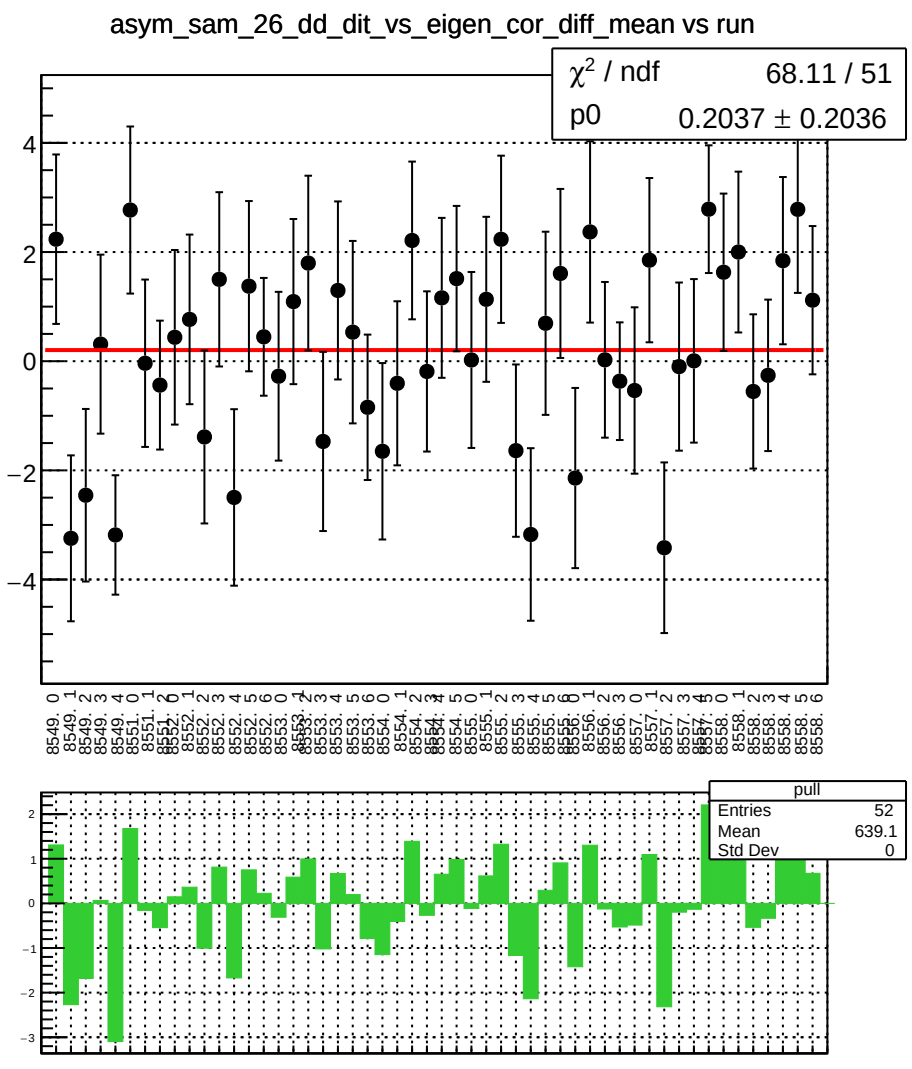

pull1D
Entries 52
Mean −0.002185
Std Dev 0.9982

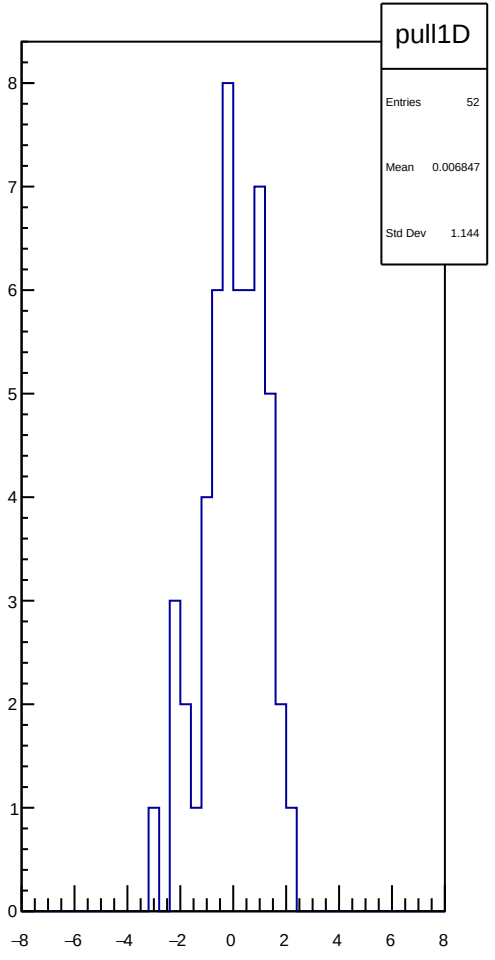

asym_sam_26_dd_reg_vs_cor_diff_rms vs run
χ² / ndf 6.233e+05 / 51
p0 1.564e−10 ± 2.462e−13
0.18
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02
0
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 0
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 1
8553. 2
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 3
8554. 4
8554. 5
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8555. 6
8556. 0
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8557. 4
8557. 5
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

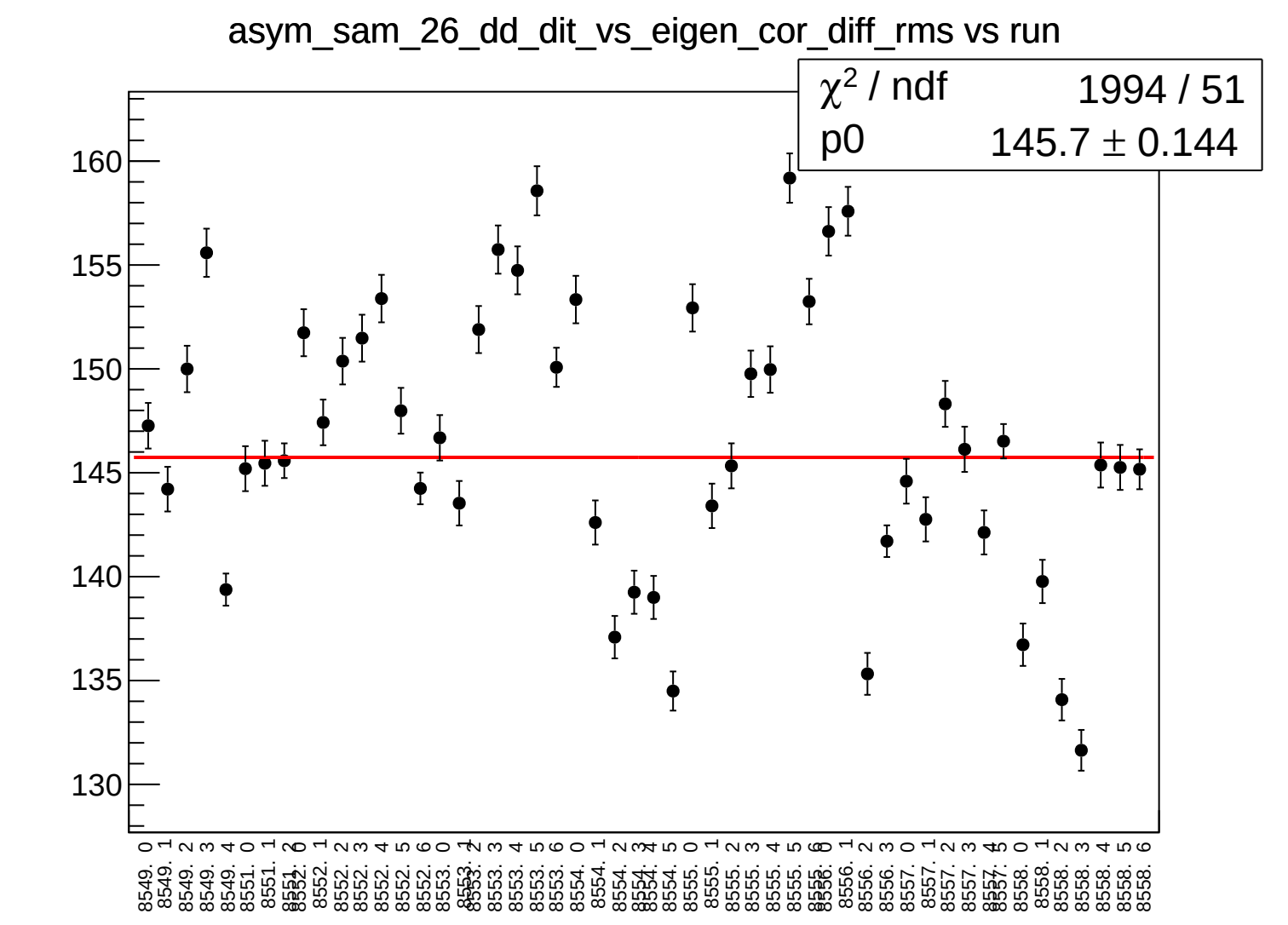

asym_sam_26_dd_dit_vs_cor_diff_mean vs run
χ² / ndf 68.11 / 51
p0 0.2037 ± 0.2036
pull
Entries 52
Mean 639.1
Std Dev 0

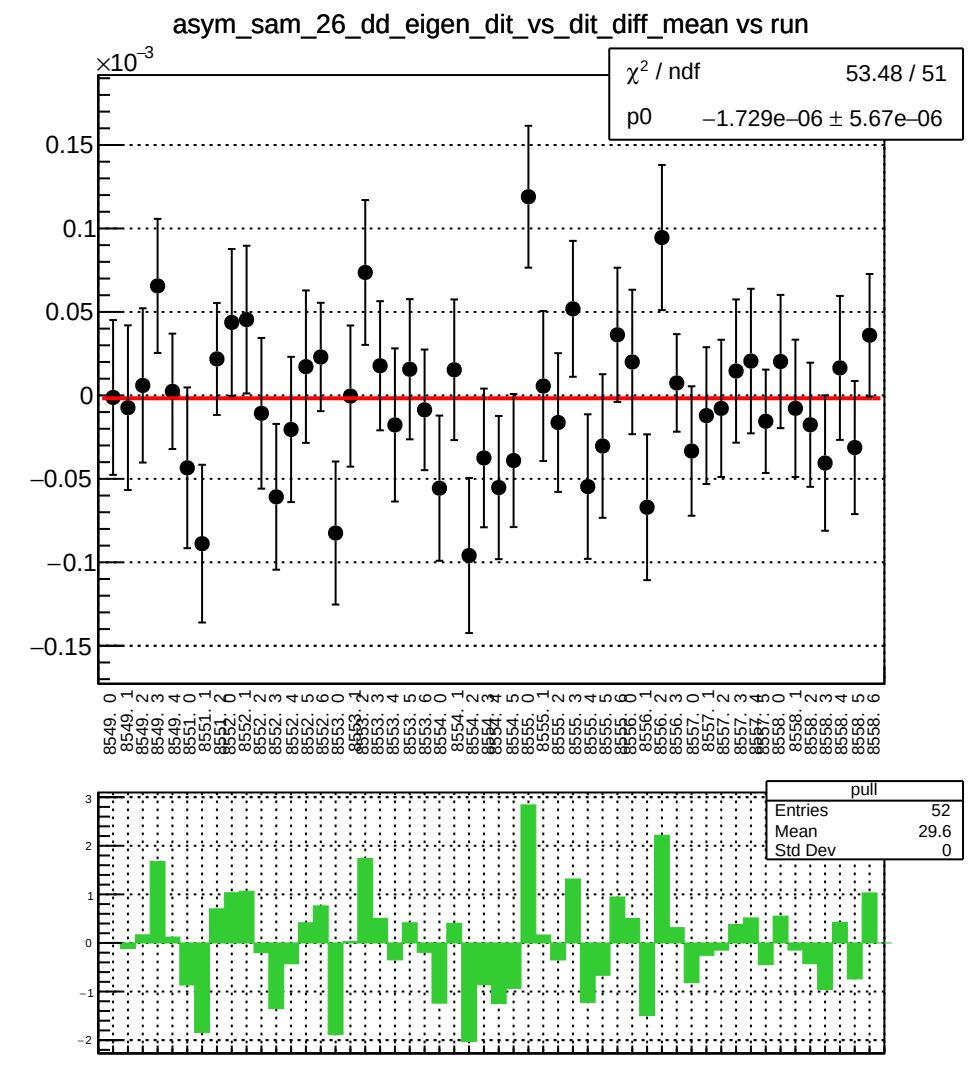

pull1D
Entries 52
Mean 0.006847
Std Dev 1.144

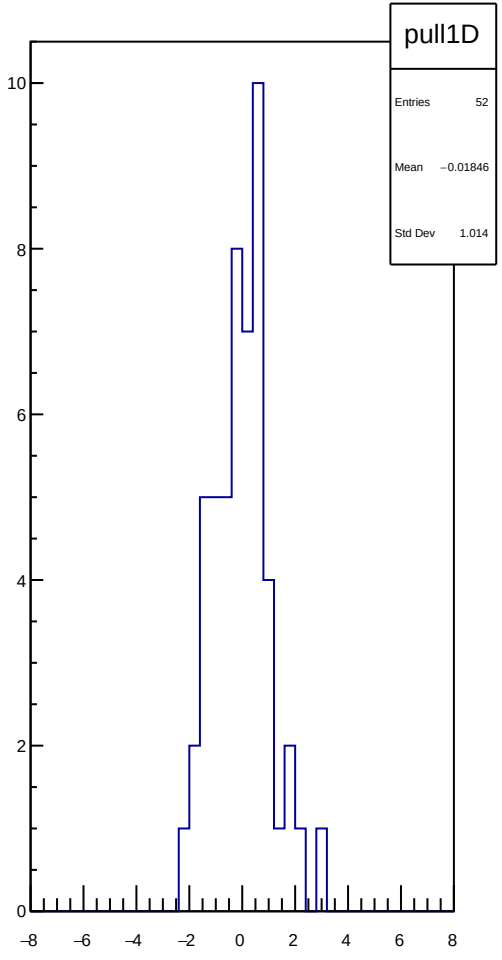

asym_sam_26_dd_dit_vs_cor_diff_rms vs run
χ² / ndf 1994 / 51
p0 145.7 ± 0.144
160
155
150
145
140
135
130
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

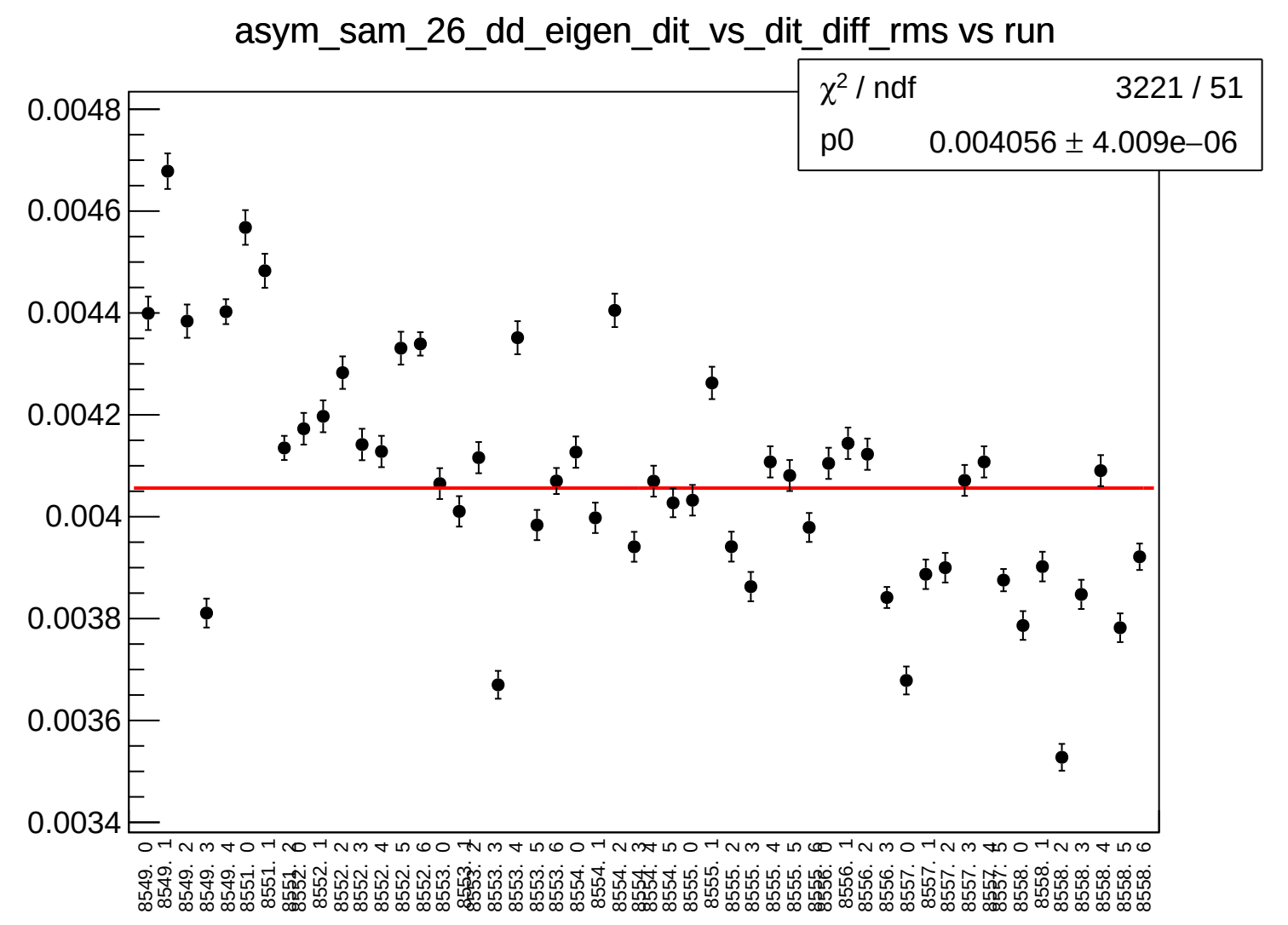

asym_sam_26_dd_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 68.11 / 51
p0 0.2037 ± 0.2036
pull
Entries 52
Mean 639.1
Std Dev 0

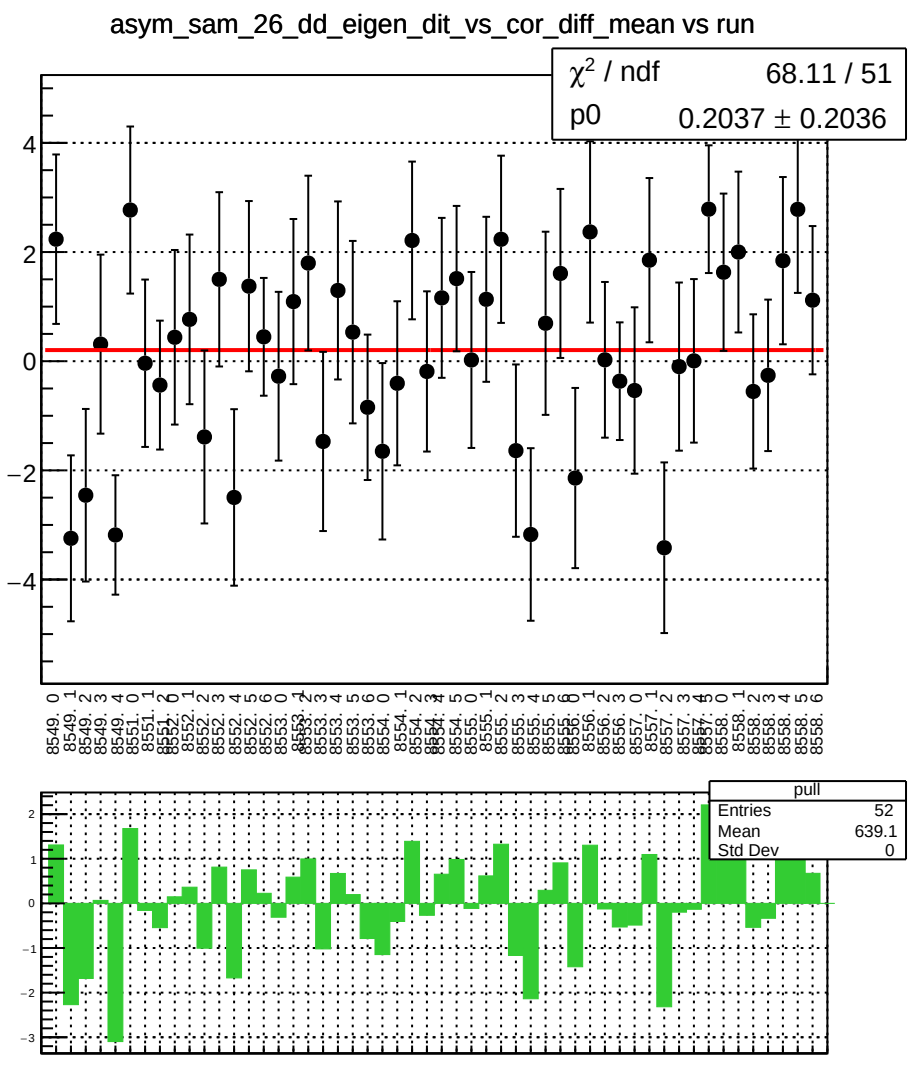

pull1D
Entries 52
Mean 0.006847
Std Dev 1.144

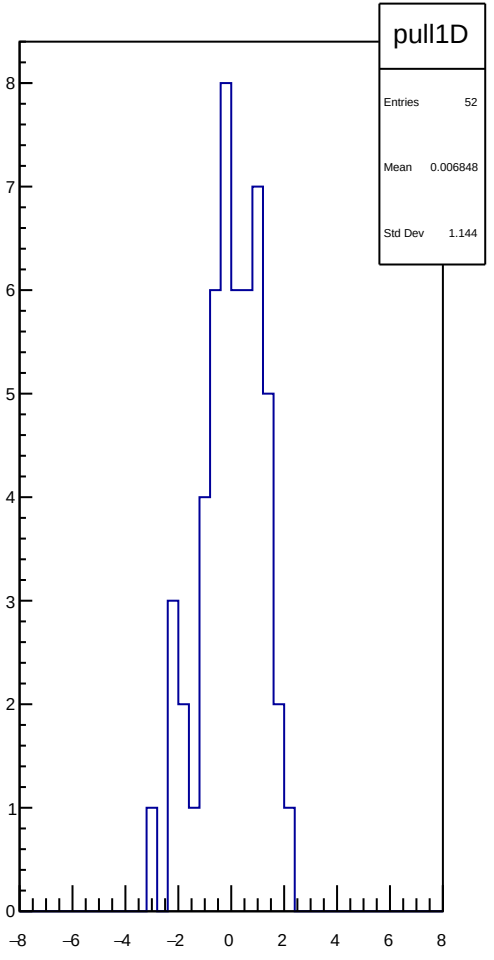

asym_sam_26_dd_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1994 / 51
p0 145.7 ± 0.144
160
155
150
145
140
135
130
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

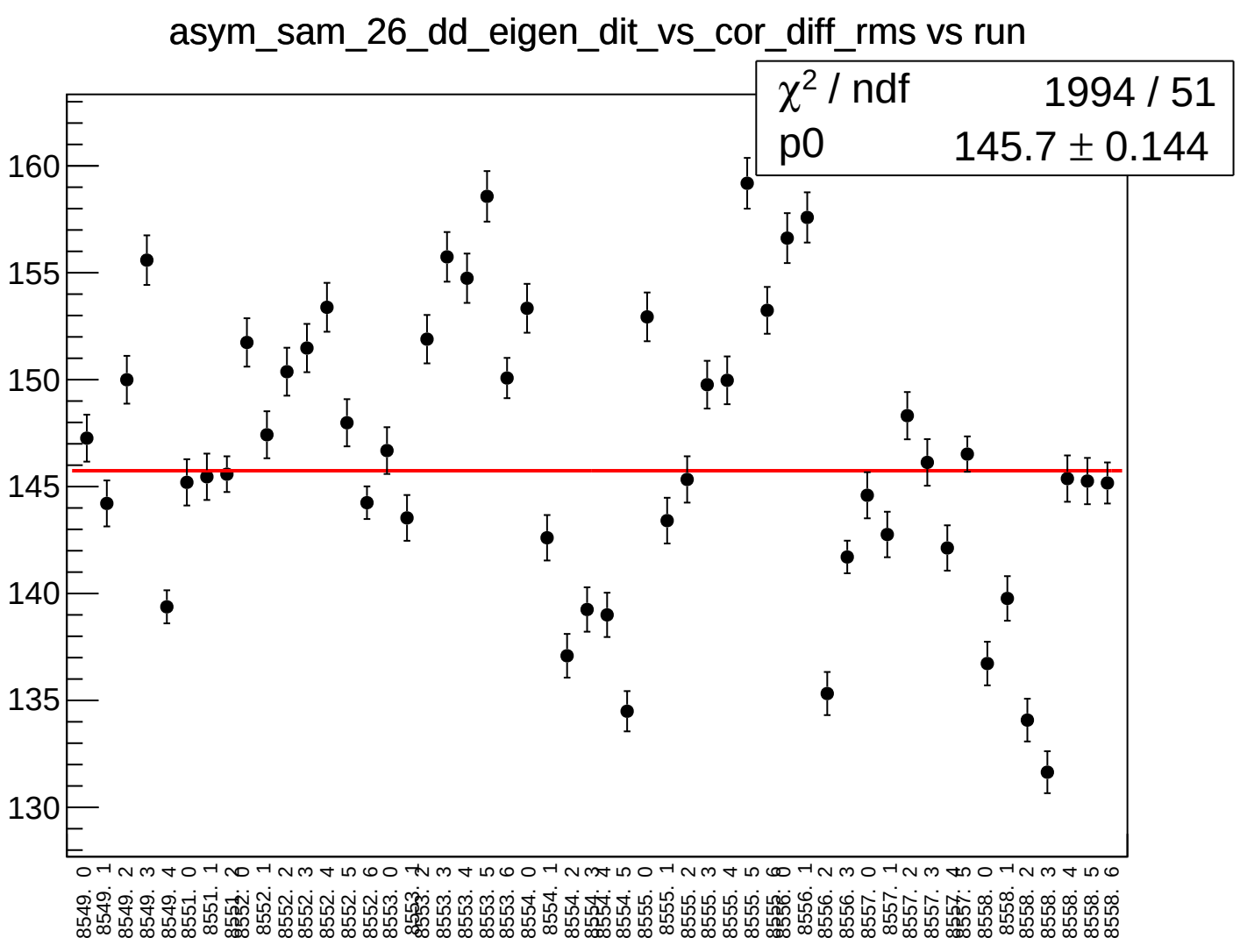

asym_sam_26_dd_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 53.48 / 51
p0 −1.729e−06 ± 5.67e−06
0.15
0.1
0.05
0
−0.05
−0.1
−0.15
pull
Entries 52
Mean 29.6
Std Dev 0
3
2
1
0
−1
−2

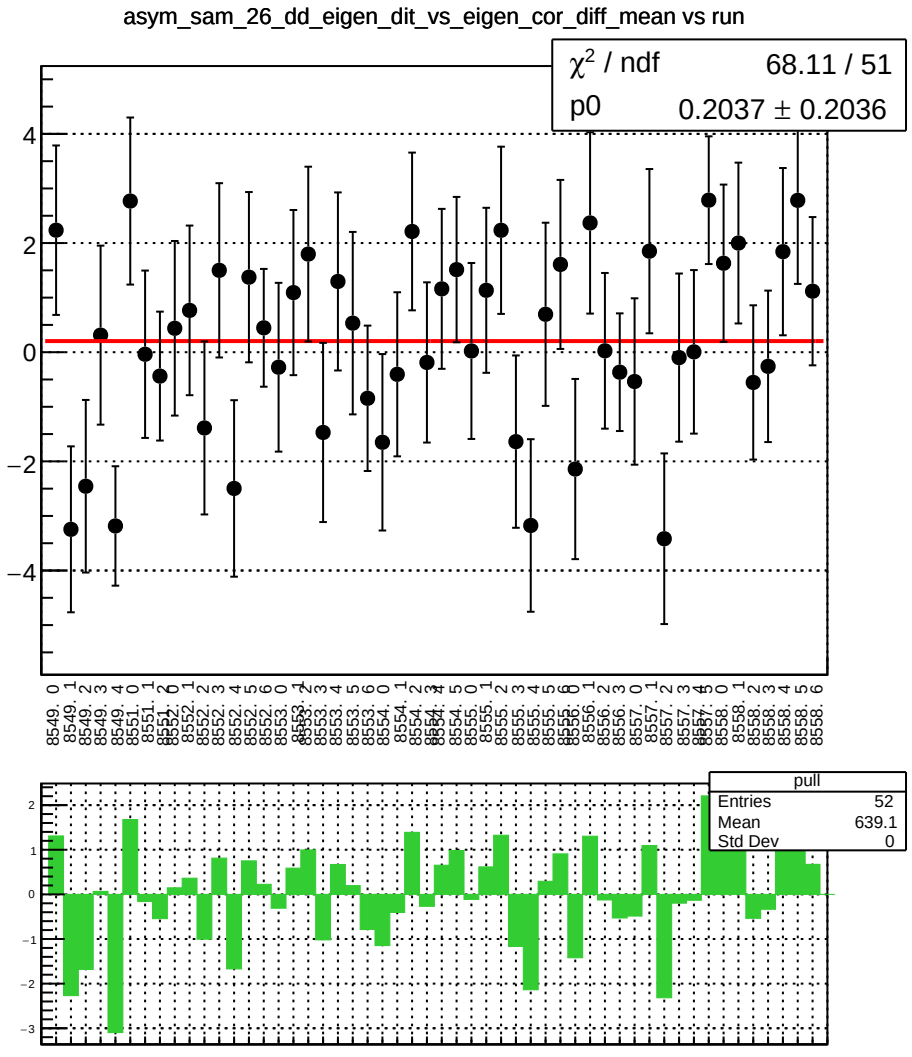

pull1D
Entries 52
Mean −0.01846
Std Dev 1.014
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

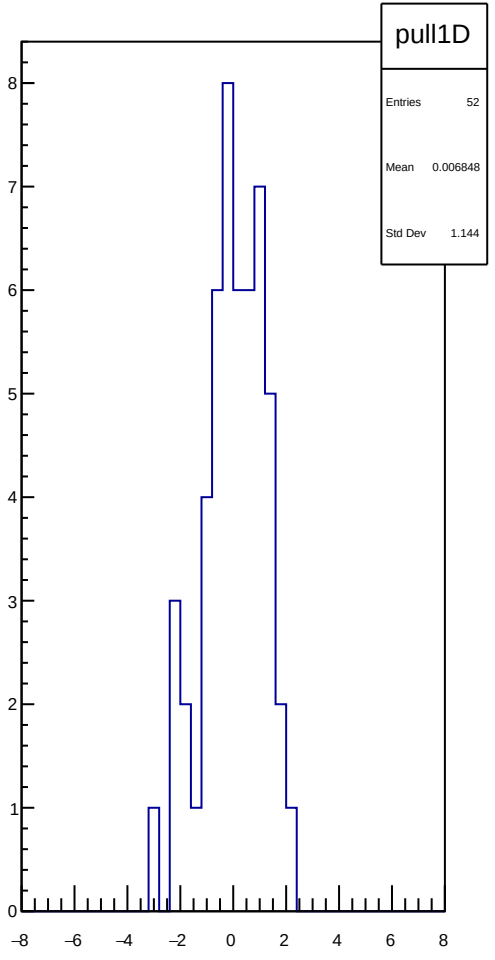

asym_sam_26_dd_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 3221 / 51
p0 0.004056 ± 4.009e−06
0.0048
0.0046
0.0044
0.0042
0.004
0.0038
0.0036
0.0034
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

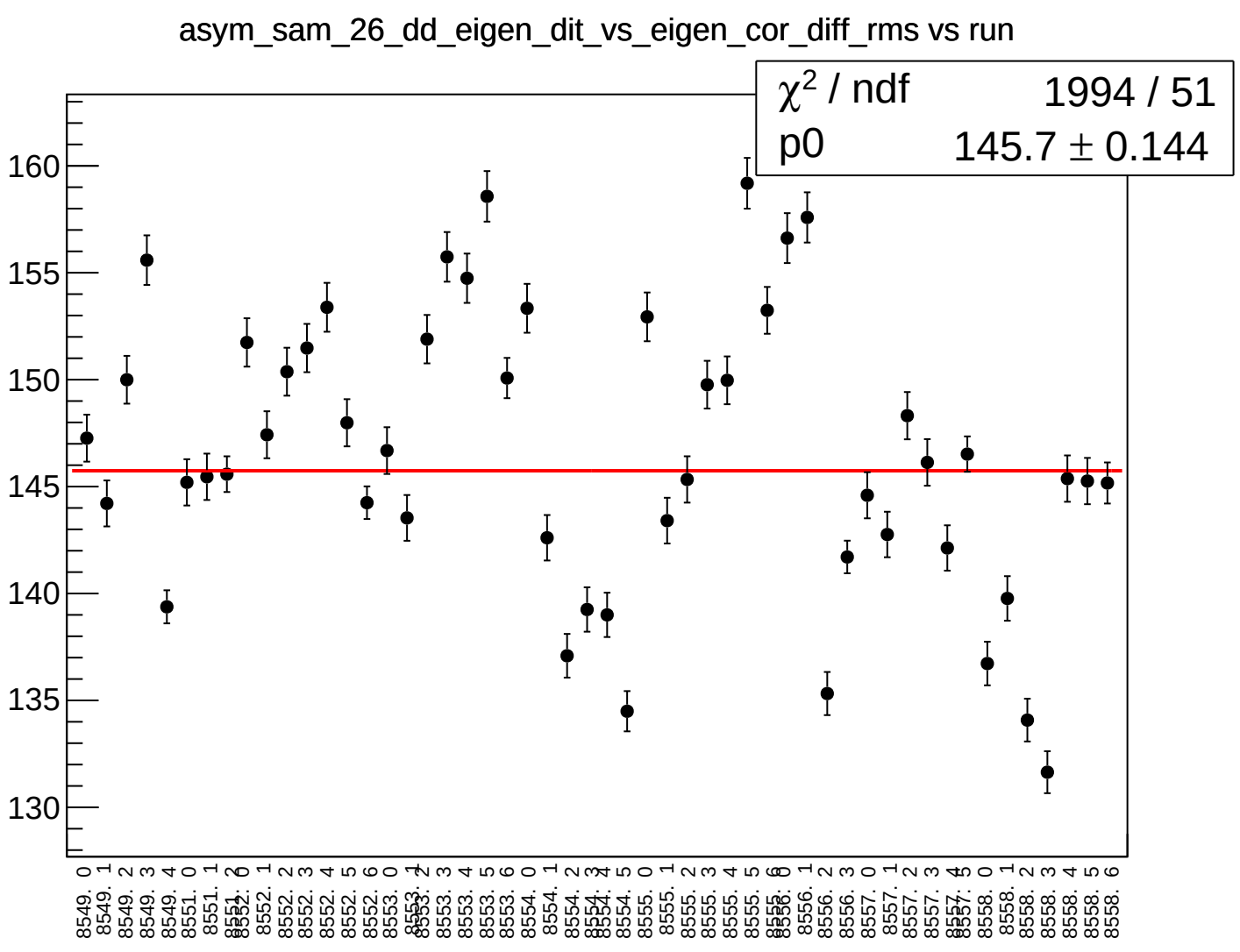

asym_sam_26_dd_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 68.11 / 51
p0 0.2037 ± 0.2036
pull
Entries 52
Mean 639.1
Std Dev 0

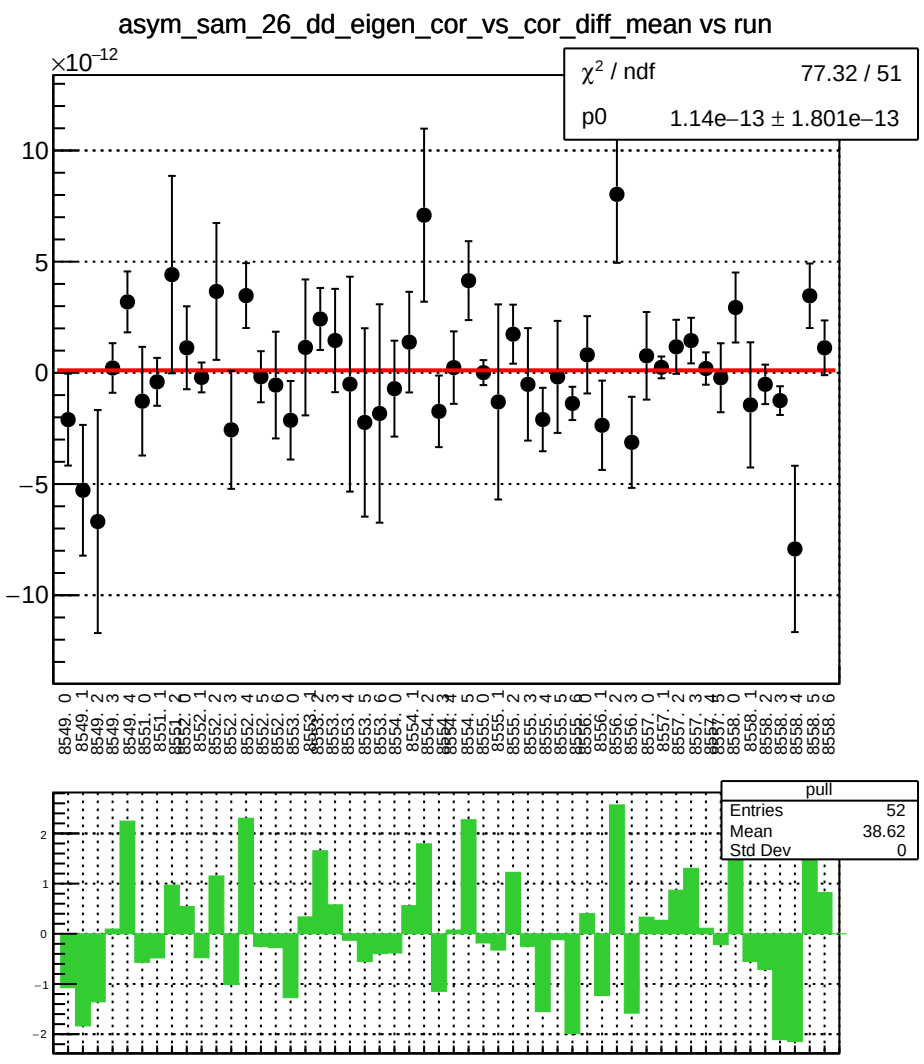

pull1D
Entries 52
Mean 0.006848
Std Dev 1.144

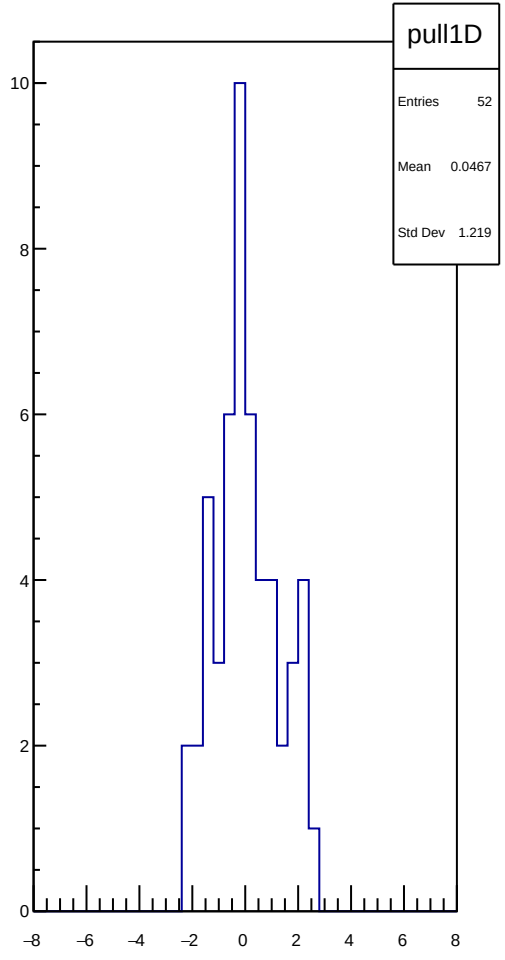

asym_sam_26_dd_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 1994 / 51
p0 145.7 ± 0.144
160
155
150
145
140
135
130
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

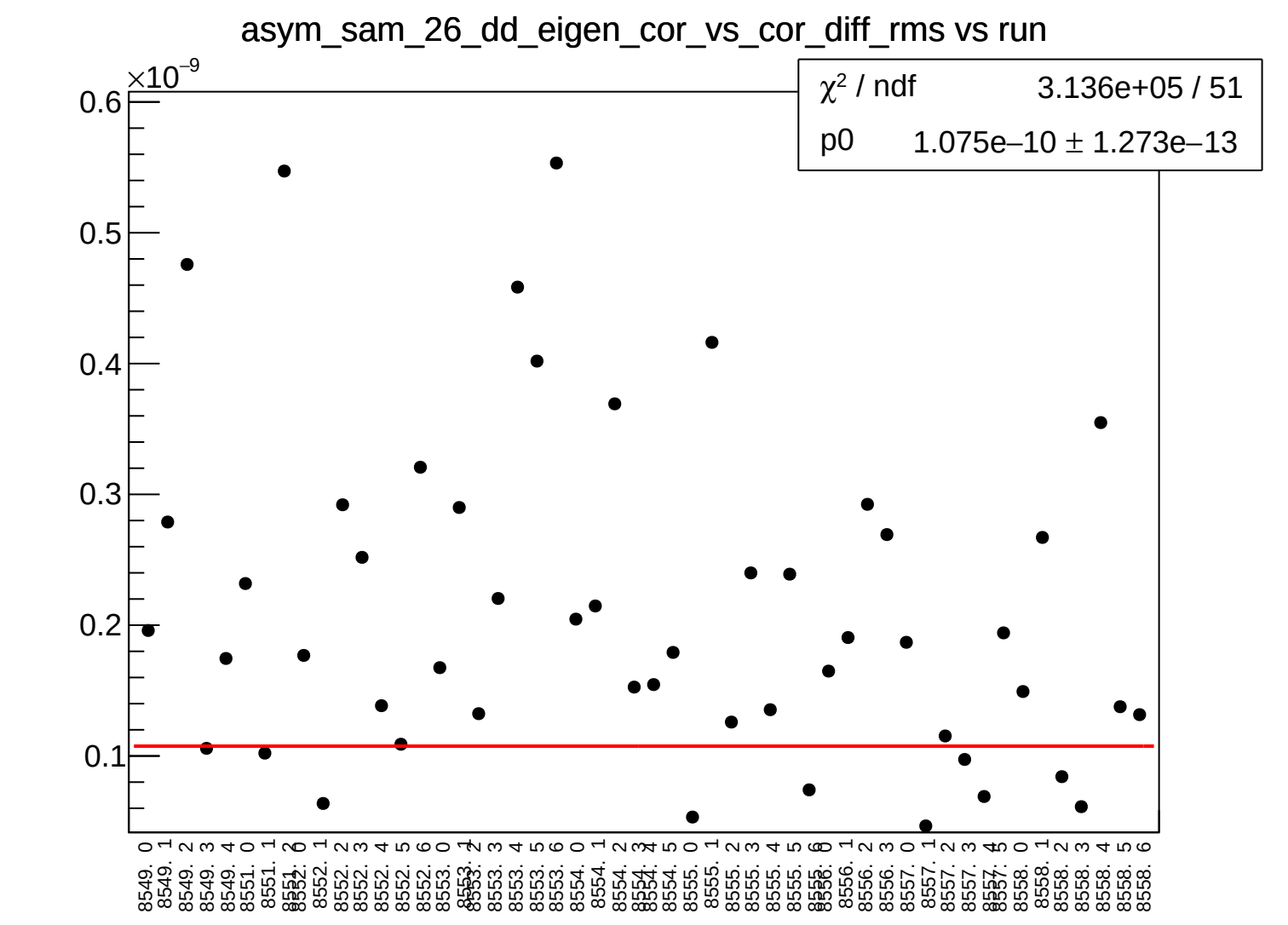

asym_sam_26_dd_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 68.11 / 51
p0 0.2037 ± 0.2036
pull
Entries 52
Mean 639.1
Std Dev 0

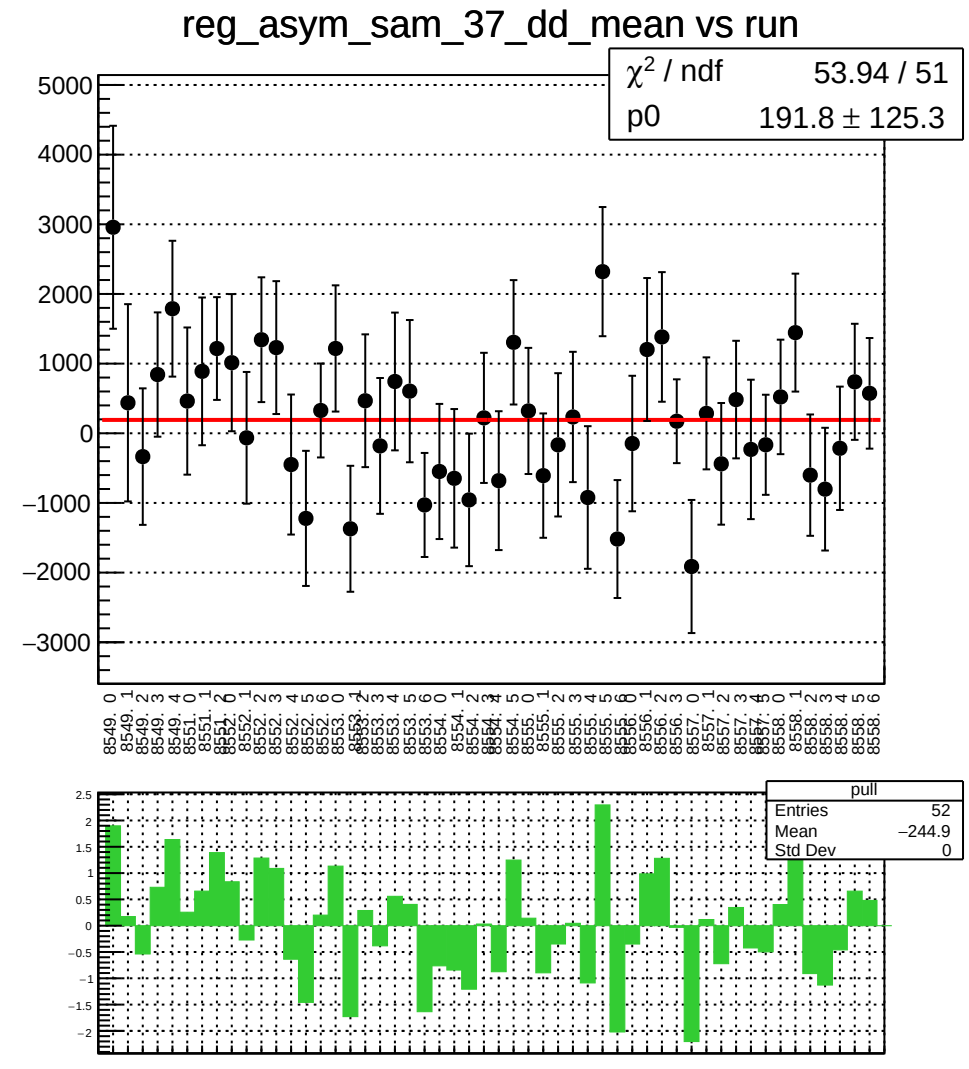

pull1D
Entries 52
Mean 0.006848
Std Dev 1.144

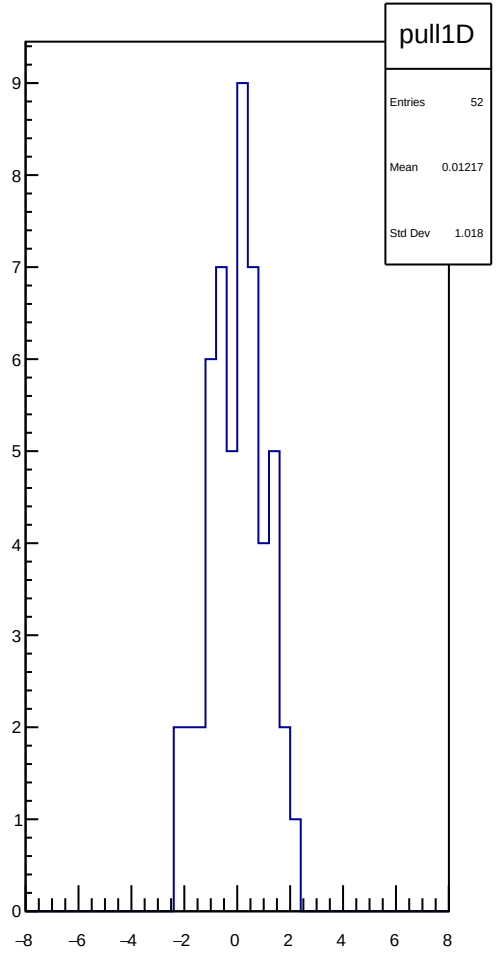

asym_sam_26_dd_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1994 / 51
p0 145.7 ± 0.144
160
155
150
145
140
135
130
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 5
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

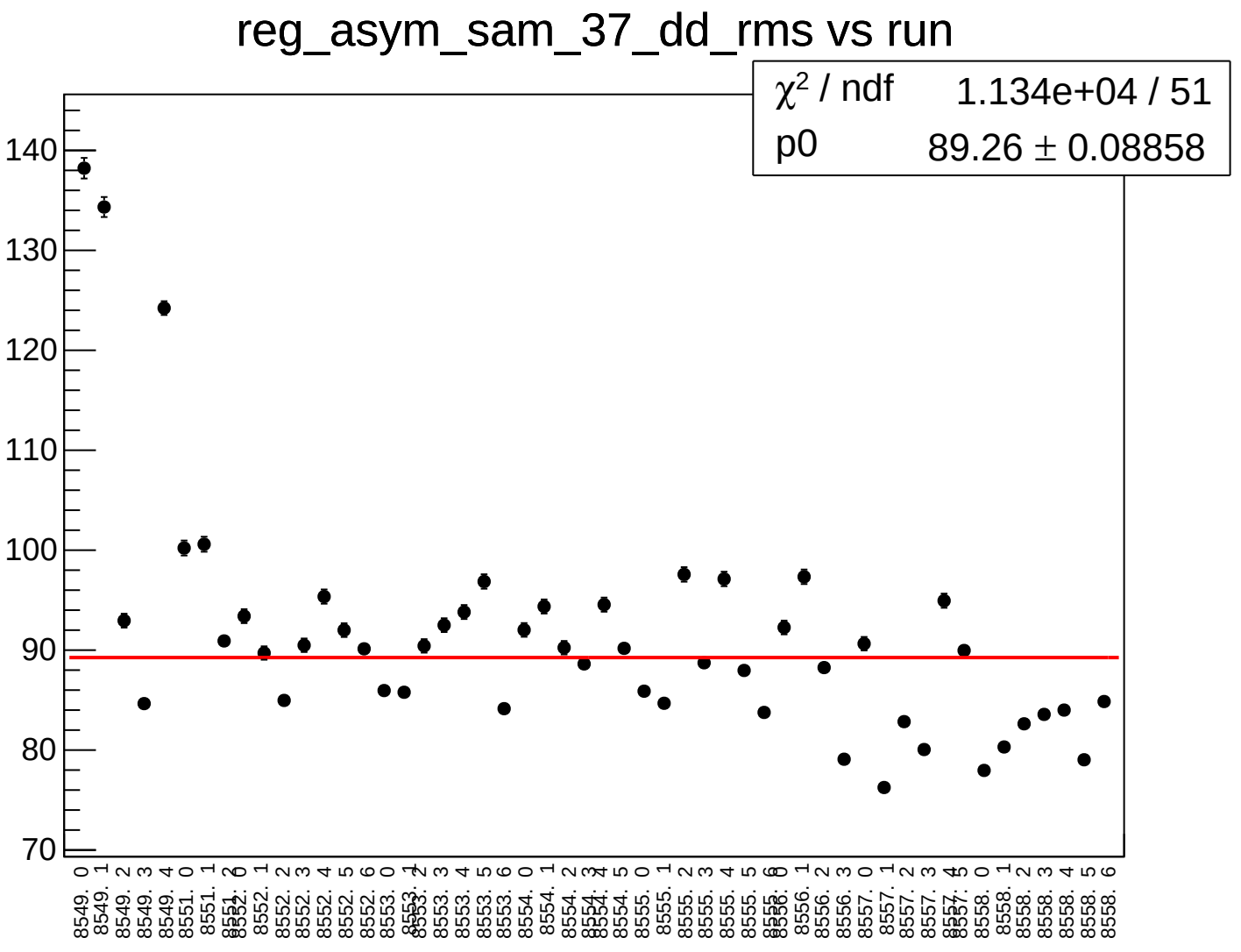

asym_sam_26_dd_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 77.32 / 51
p0 1.14e−13 ± 1.801e−13
10
5
0
−5
−10
pull
Entries 52
Mean 38.62
Std Dev 0
2
1
0
−1
−2

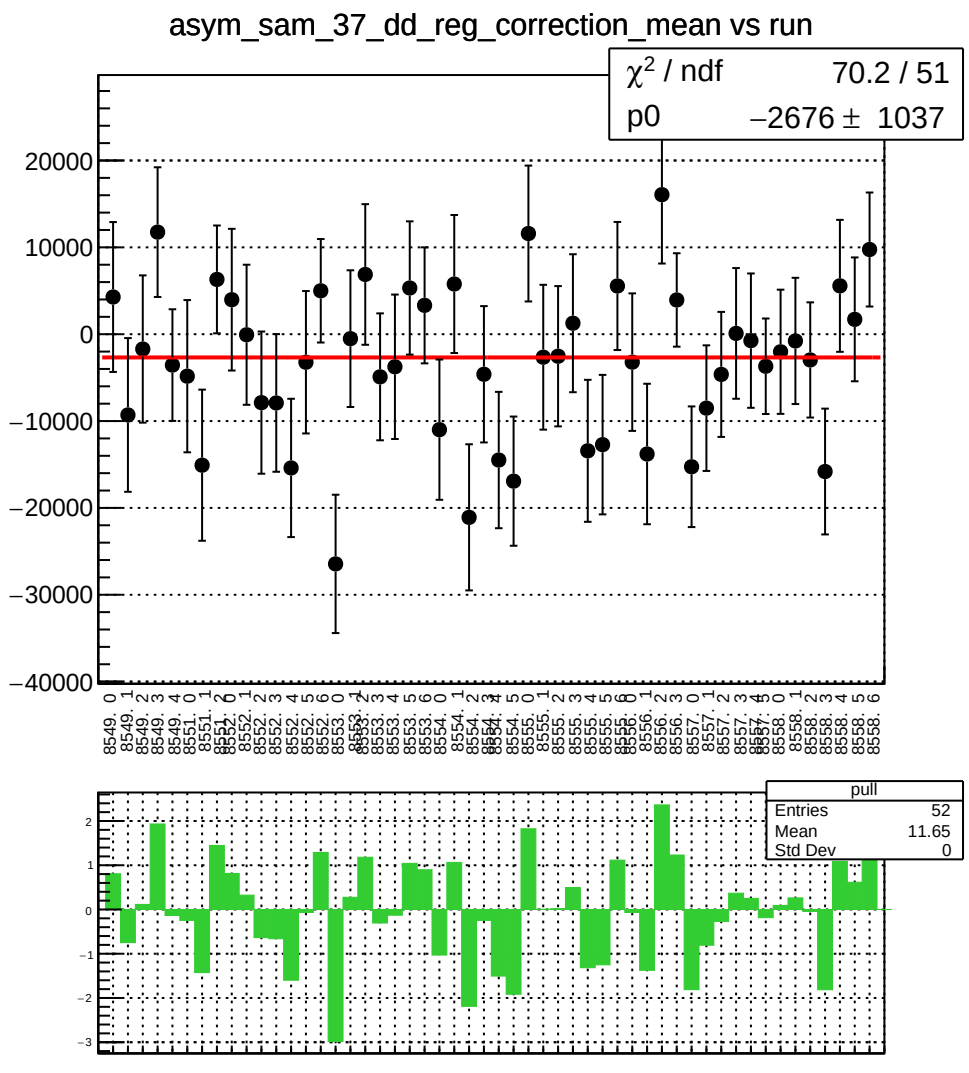

pull1D
Entries 52
Mean 0.0467
Std Dev 1.219
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

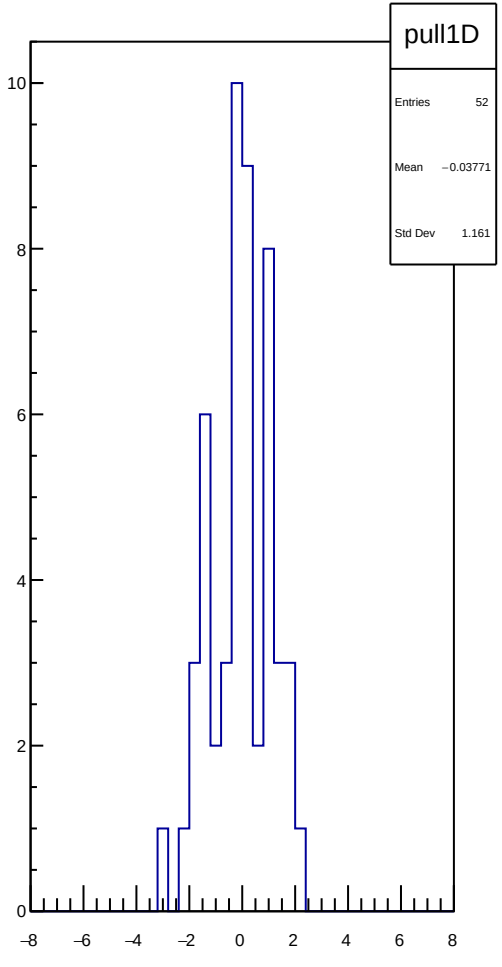

asym_sam_26_dd_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 3.136e+05 / 51
p0 1.075e−10 ± 1.273e−13
0.6
0.5
0.4
0.3
0.2
0.1
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 5
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

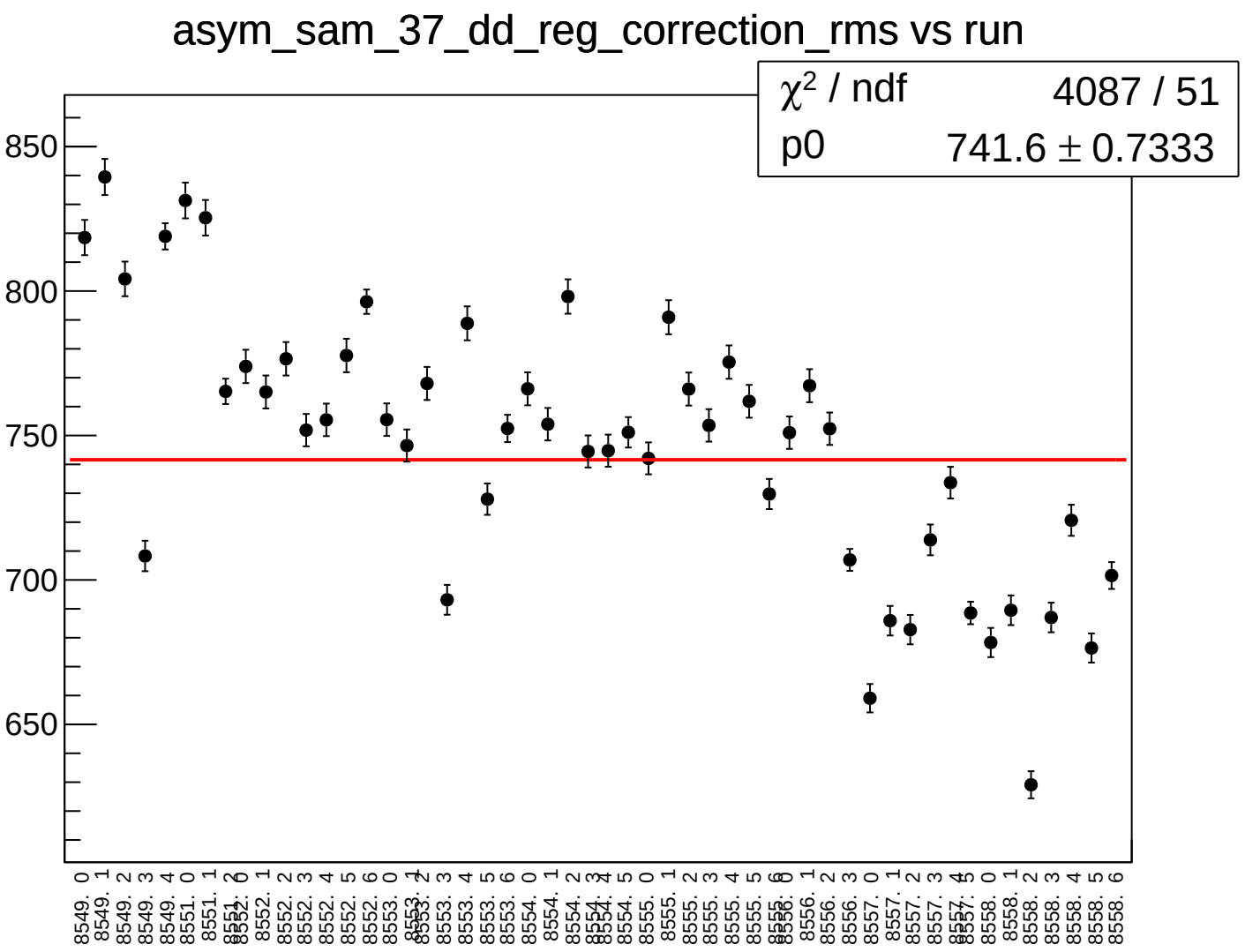

reg_asym_sam_37_dd_mean vs run
χ^2 / ndf 53.94 / 51
p0 191.8 ± 125.3
pull
Entries 52
Mean −244.9
Std Dev 0


pull1D
Entries 52
Mean 0.01217
Std Dev 1.018


reg_asym_sam_37_dd_rms vs run
χ² / ndf 1.134e+04 / 51
p0 89.26 ± 0.08858
140
130
120
110
100
90
80
70
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 5
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6


asym_sam_37_dd_reg_correction_mean vs run
χ² / ndf 70.2 / 51
p0 −2676 ± 1037
20000
10000
0
−10000
−20000
−30000
−40000
pull
Entries 52
Mean 11.65
Std Dev 0
2
1
0
−1
−2
−3


pull1D
Entries 52
Mean −0.03771
Std Dev 1.161
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


asym_sam_37_dd_reg_correction_rms vs run
χ² / ndf 4087 / 51
p0 741.6 ± 0.7333
850
800
750
700
650
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
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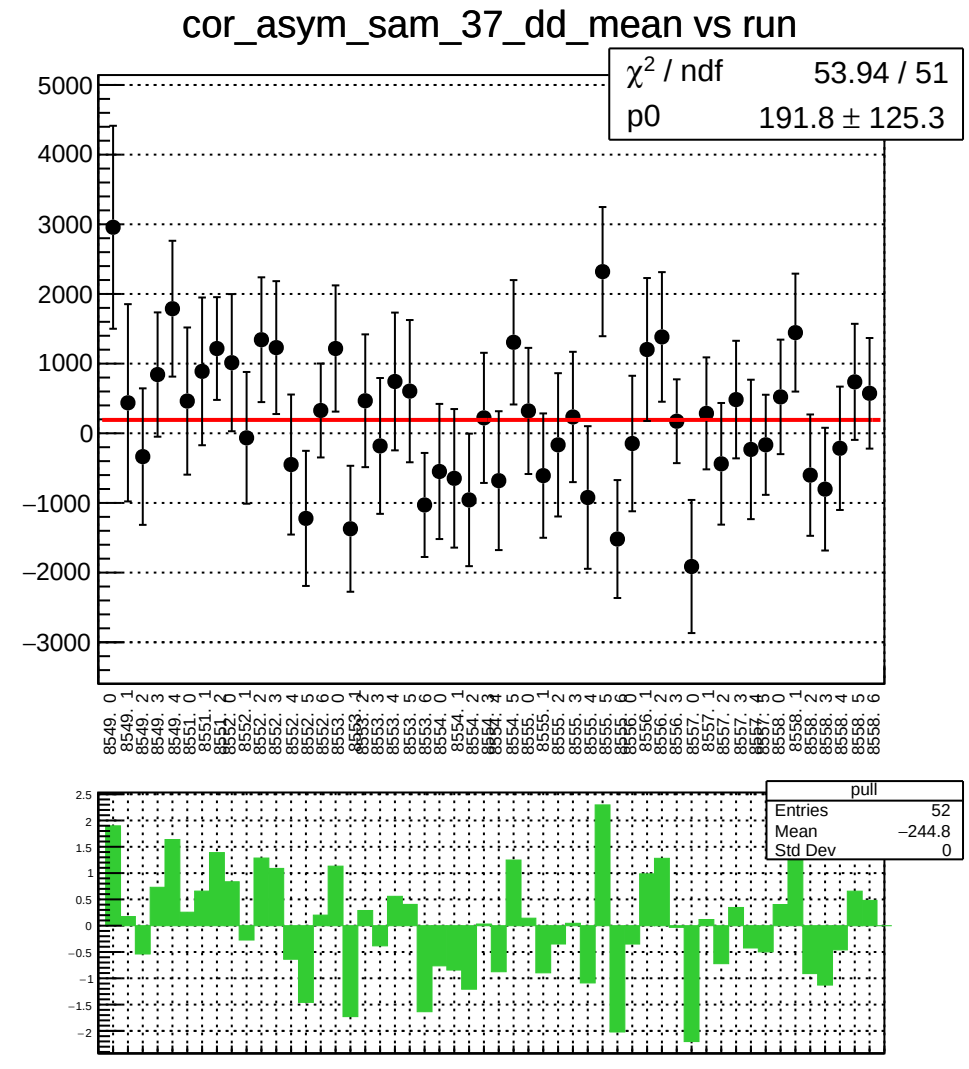
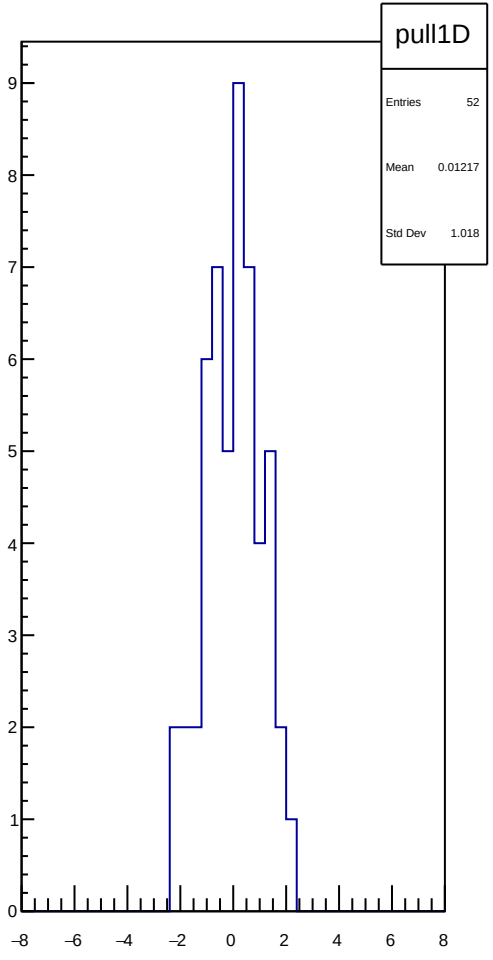
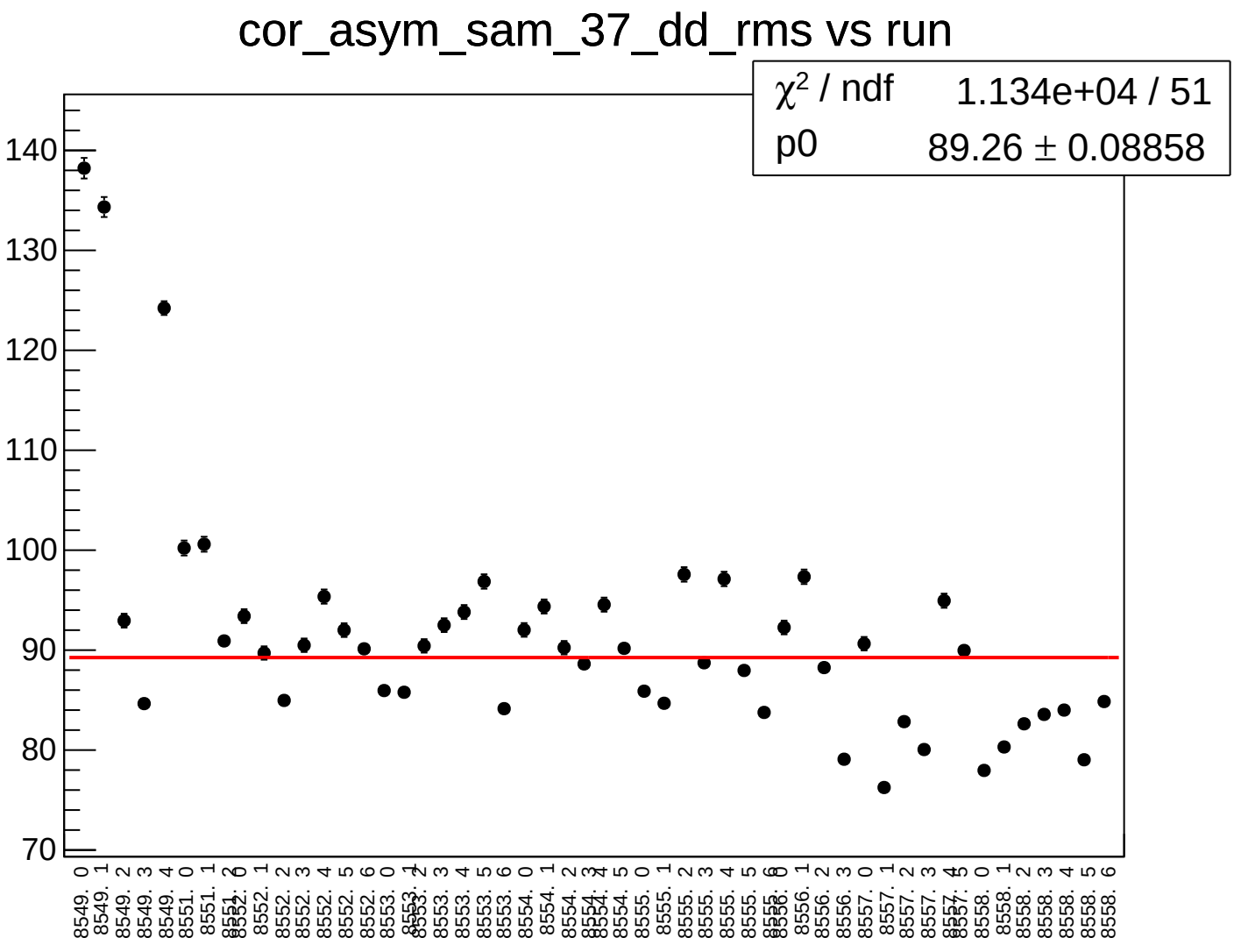
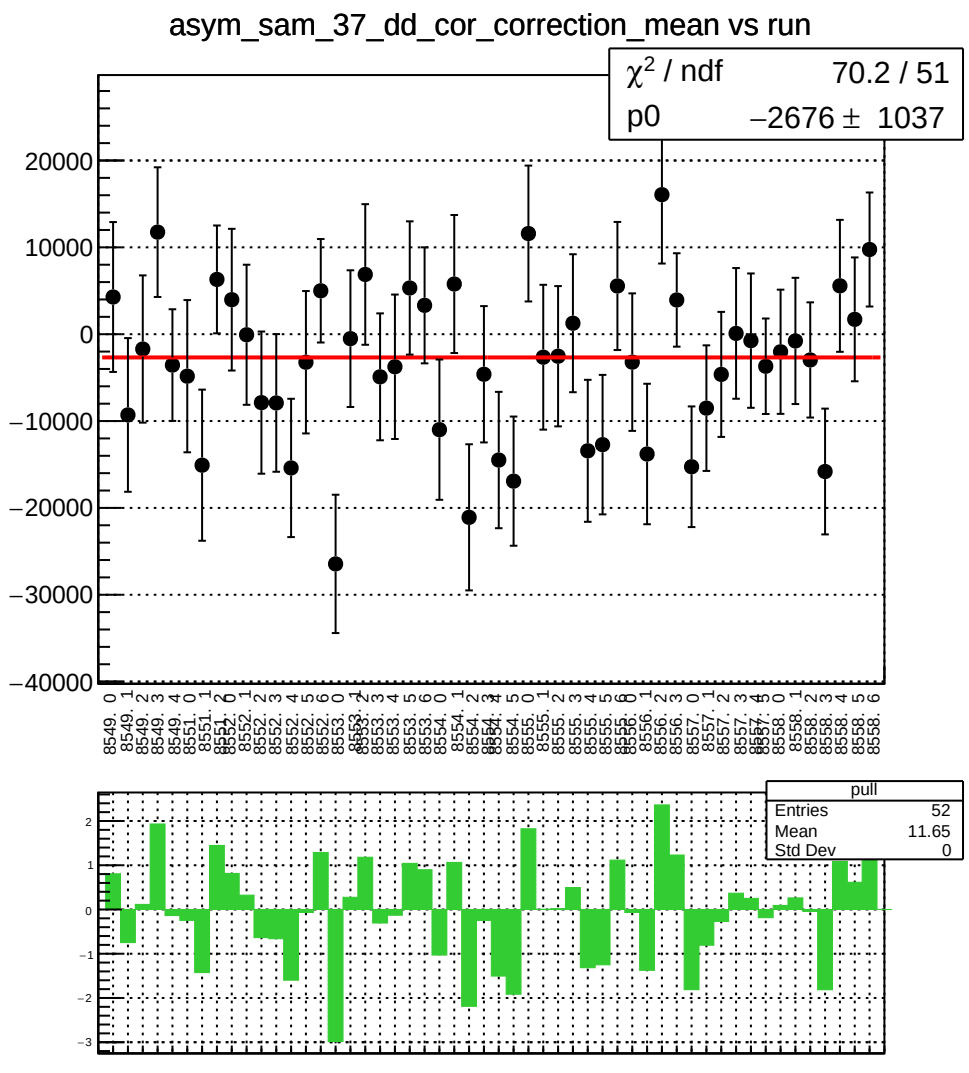
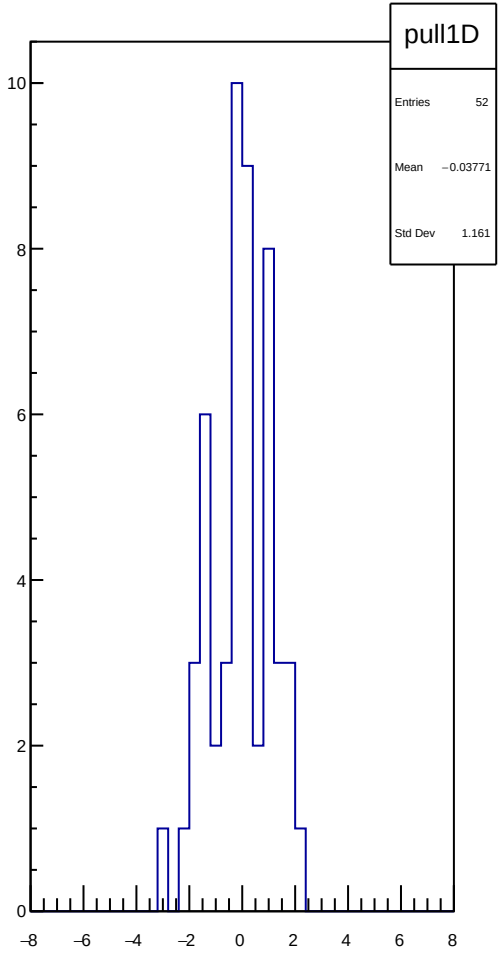
8558. 5
8558. 6

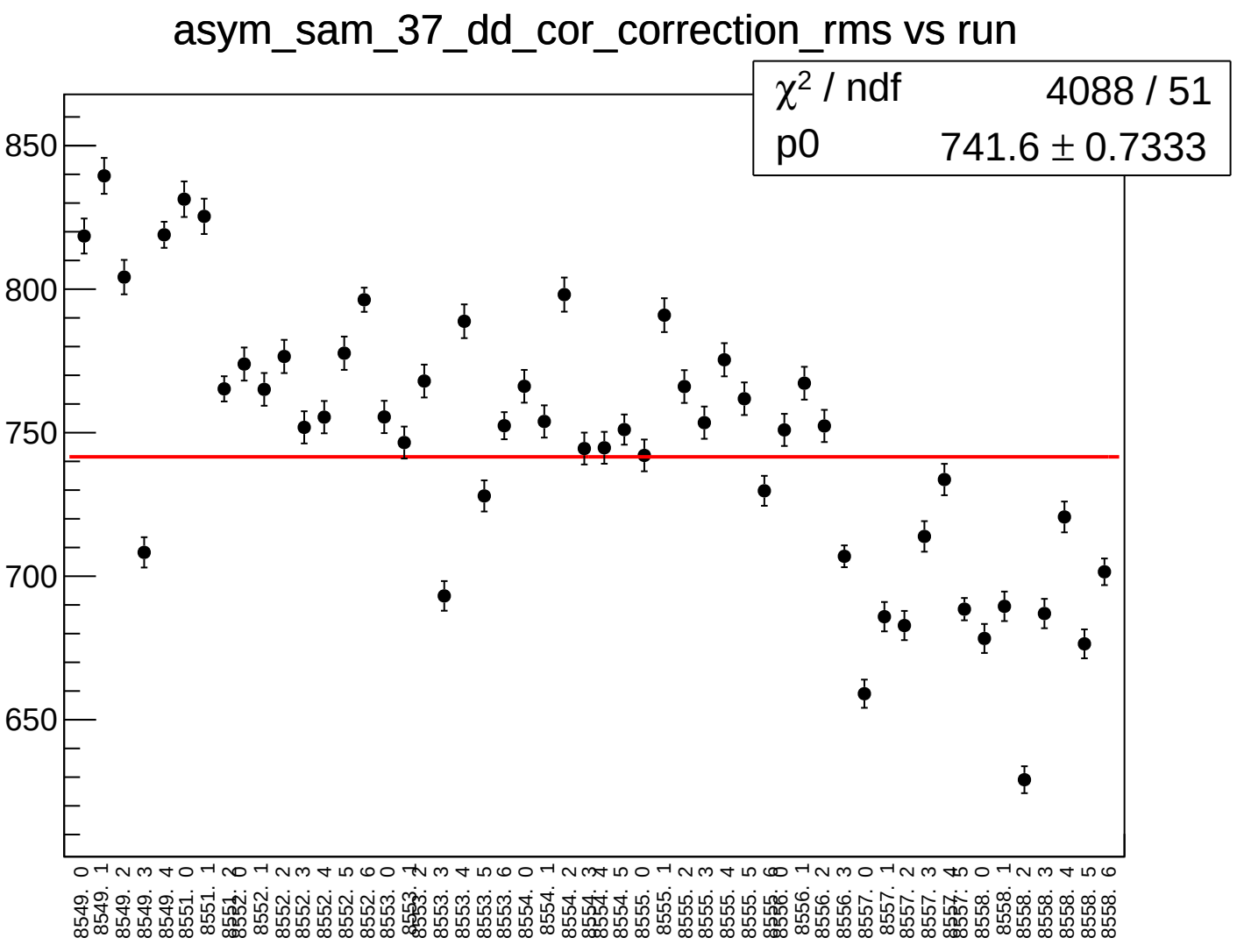

cor_asym_sam_37_dd_mean vs run
χ² / ndf 53.94 / 51
p0 191.8 ± 125.3
pull
Entries 52
Mean −244.8
Std Dev 0

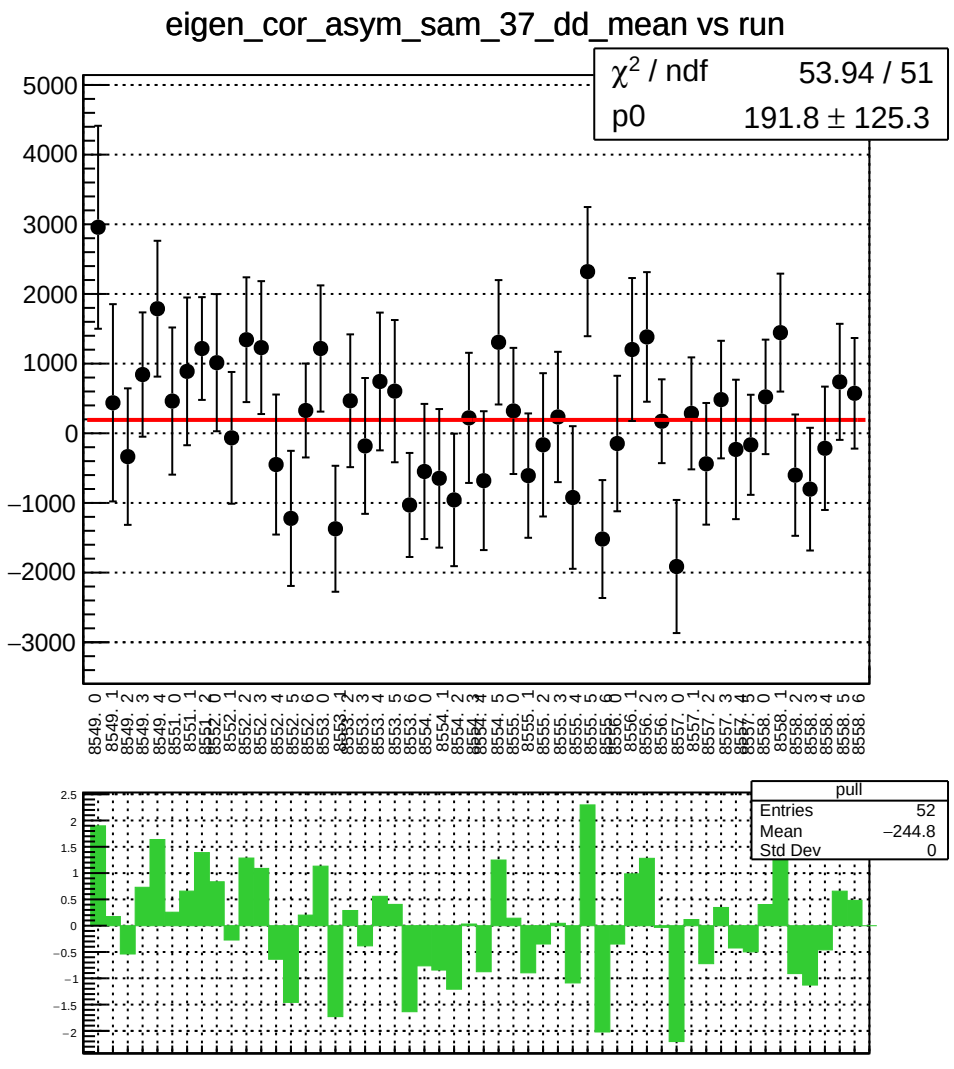

pull1D
Entries 52
Mean 0.01217
Std Dev 1.018

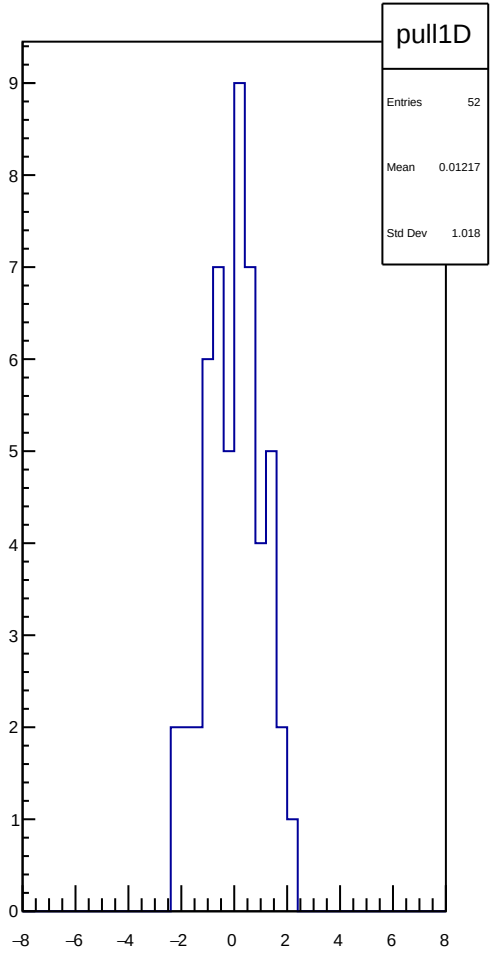

cor_asym_sam_37_dd_rms vs run
χ² / ndf 1.134e+04 / 51
p0 89.26 ± 0.08858
140
130
120
110
100
90
80
70
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 5
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

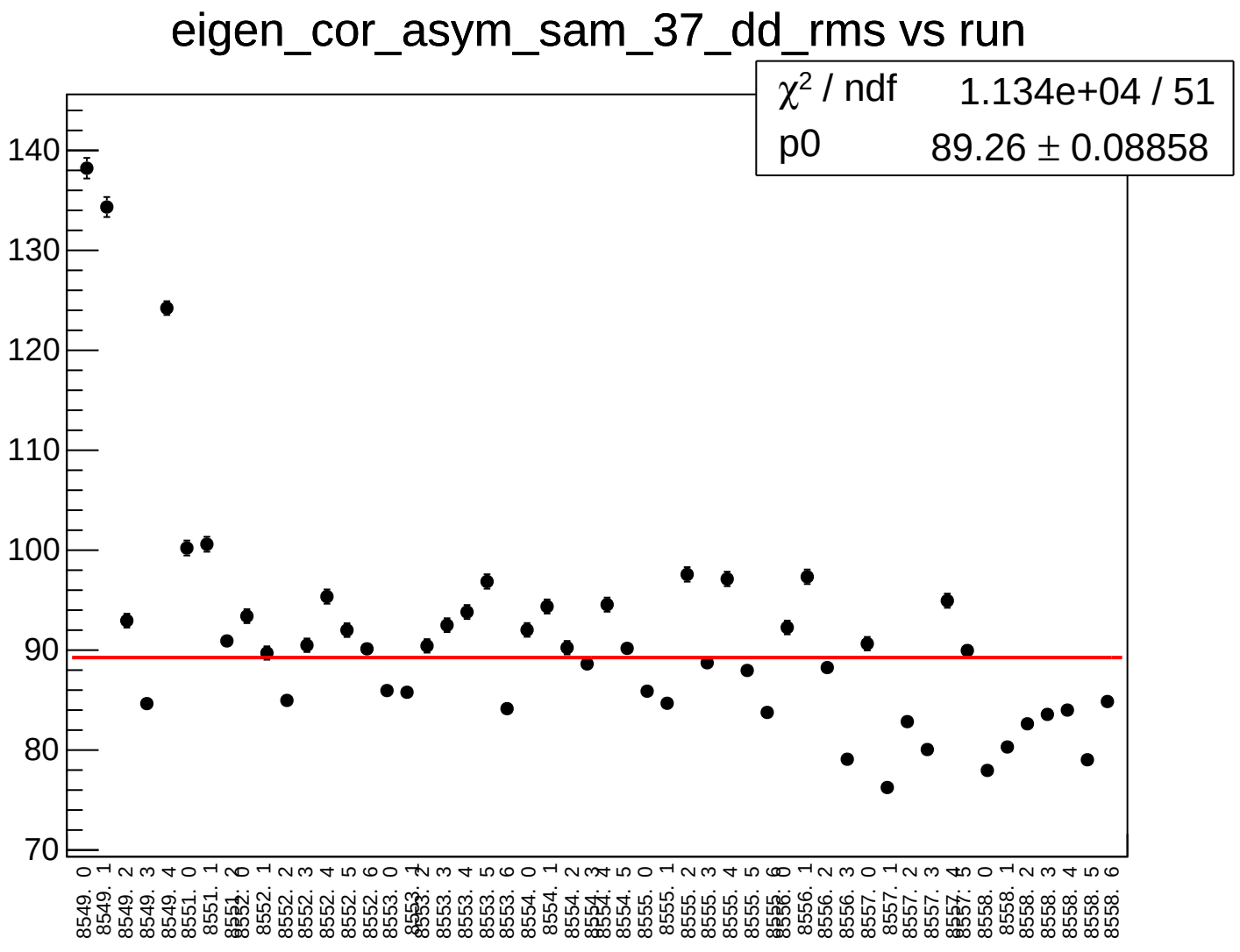

asym_sam_37_dd_cor_correction_mean vs run
χ² / ndf 70.2 / 51
p0 −2676 ± 1037
20000
10000
0
−10000
−20000
−30000
−40000
pull
Entries 52
Mean 11.65
Std Dev 0
2
1
0
−1
−2
−3

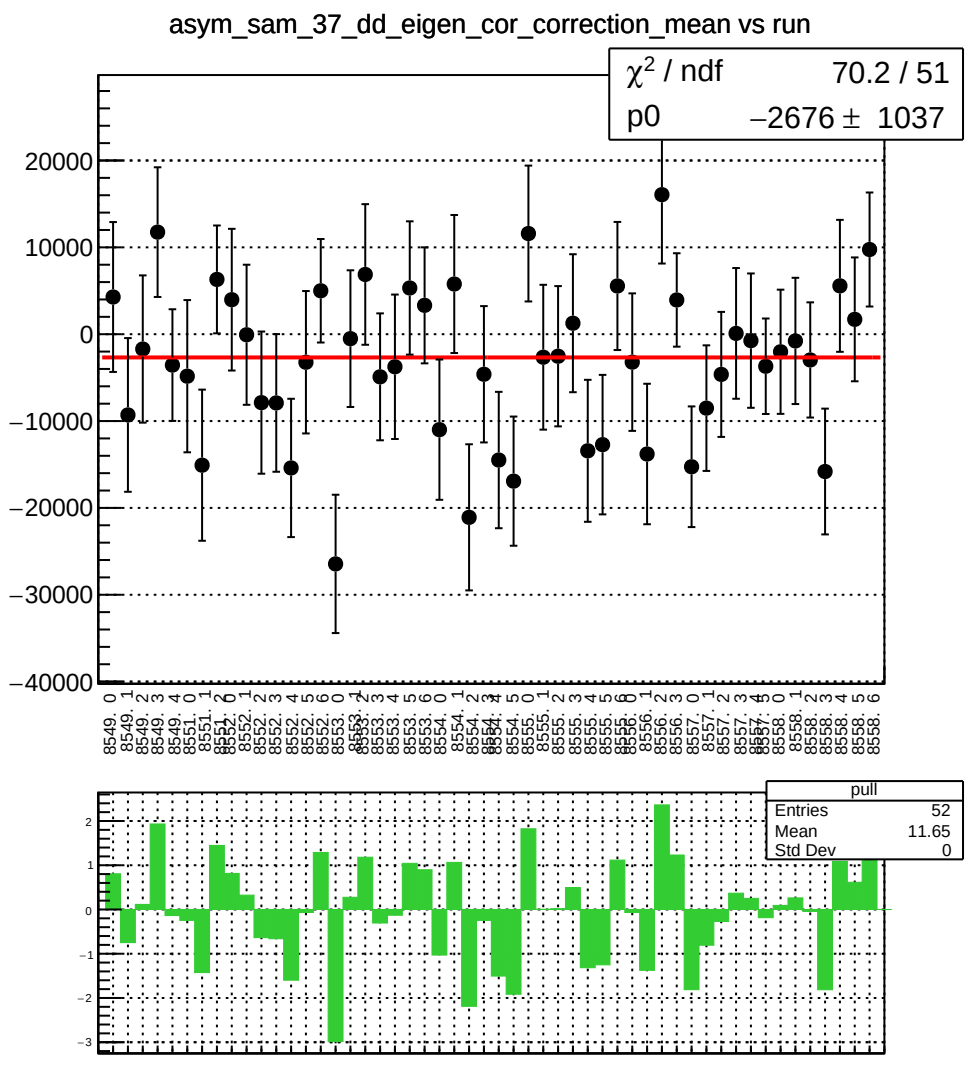

pull1D
Entries 52
Mean −0.03771
Std Dev 1.161
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

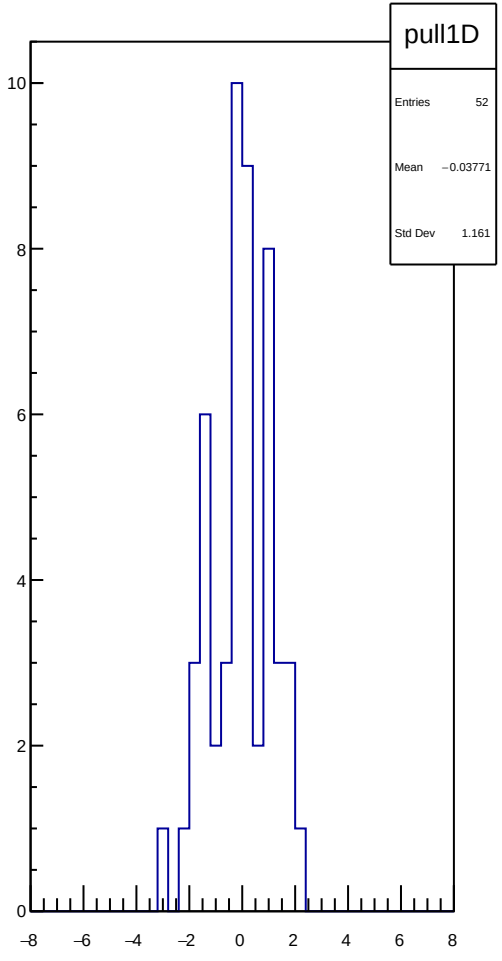

asym_sam_37_dd_cor_correction_rms vs run
χ² / ndf 4088 / 51
p0 741.6 ± 0.7333
850
800
750
700
650
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

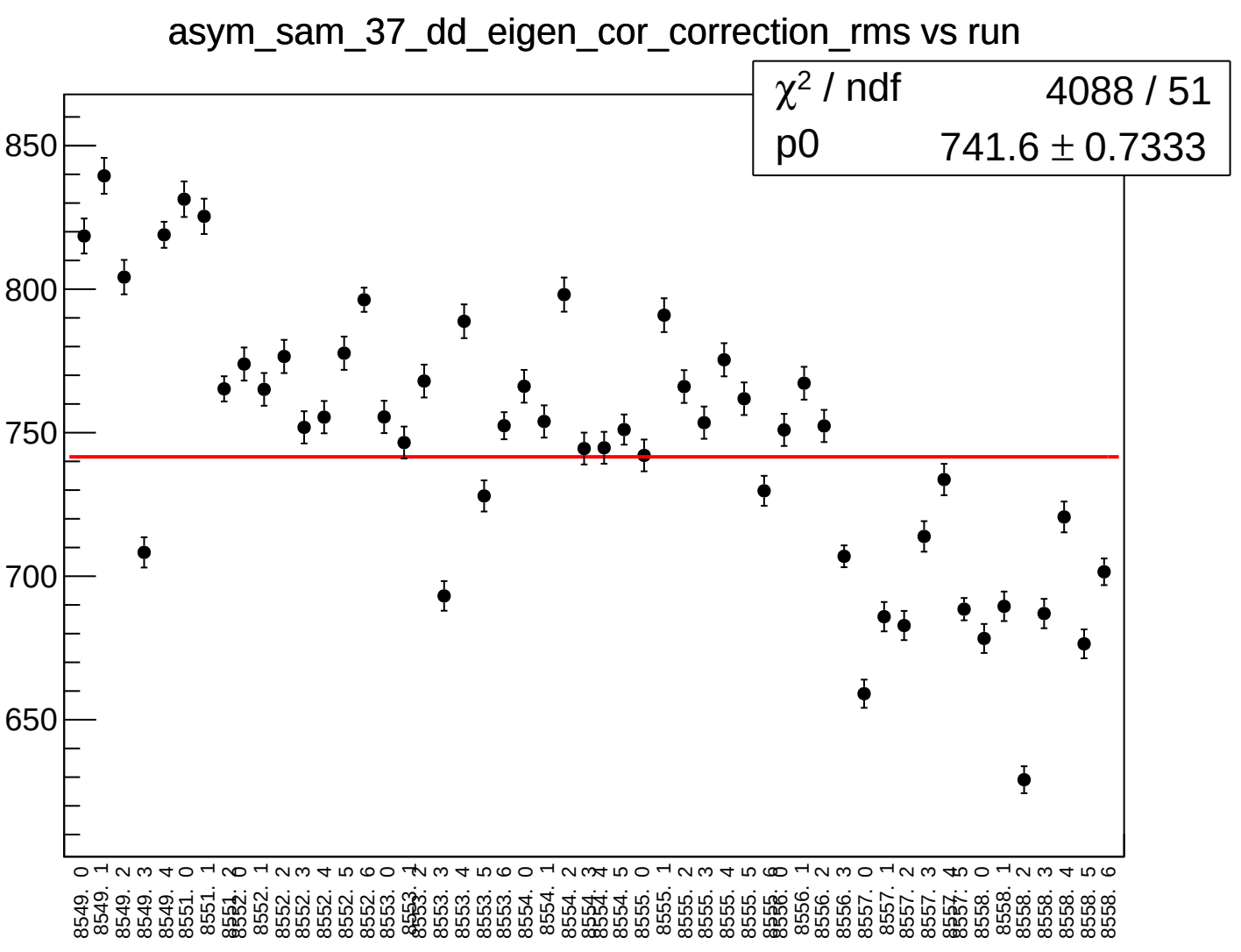

eigen_cor_asym_sam_37_dd_mean vs run
χ² / ndf 53.94 / 51
p0 191.8 ± 125.3
pull
Entries 52
Mean −244.8
Std Dev 0


pull1D
Entries 52
Mean 0.01217
Std Dev 1.018


eigen_cor_asym_sam_37_dd_rms vs run
χ² / ndf 1.134e+04 / 51
p0 89.26 ± 0.08858
140
130
120
110
100
90
80
70
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 5
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6


asym_sam_37_dd_eigen_cor_correction_mean vs run
χ² / ndf 70.2 / 51
p0 −2676 ± 1037
pull
Entries 52
Mean 11.65
Std Dev 0


pull1D
Entries 52
Mean −0.03771
Std Dev 1.161


asym_sam_37_dd_eigen_cor_correction_rms vs run
χ² / ndf 4088 / 51
p0 741.6 ± 0.7333
850
800
750
700
650
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
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8554. 2
8555. 0
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8555. 2
8555. 3
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8556. 1
8556. 2
8556. 3
8557. 0
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8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
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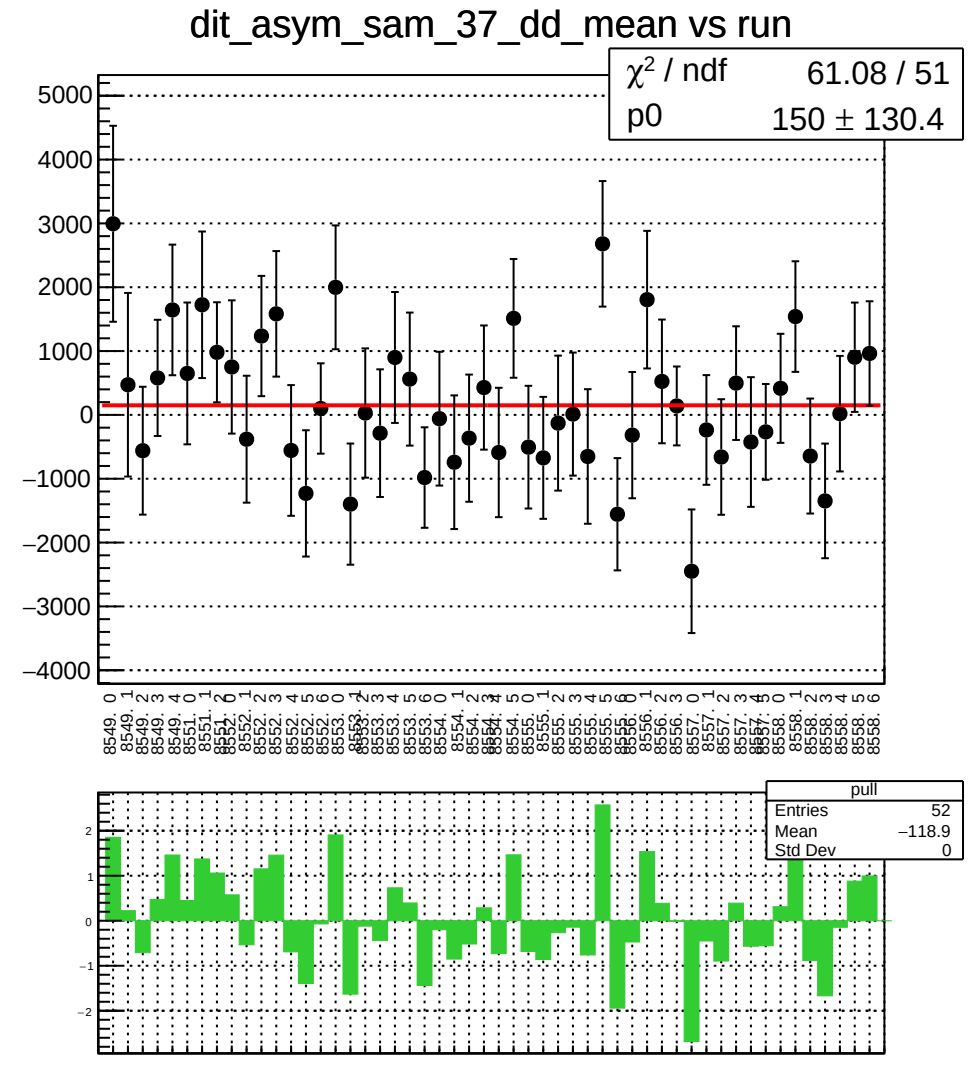
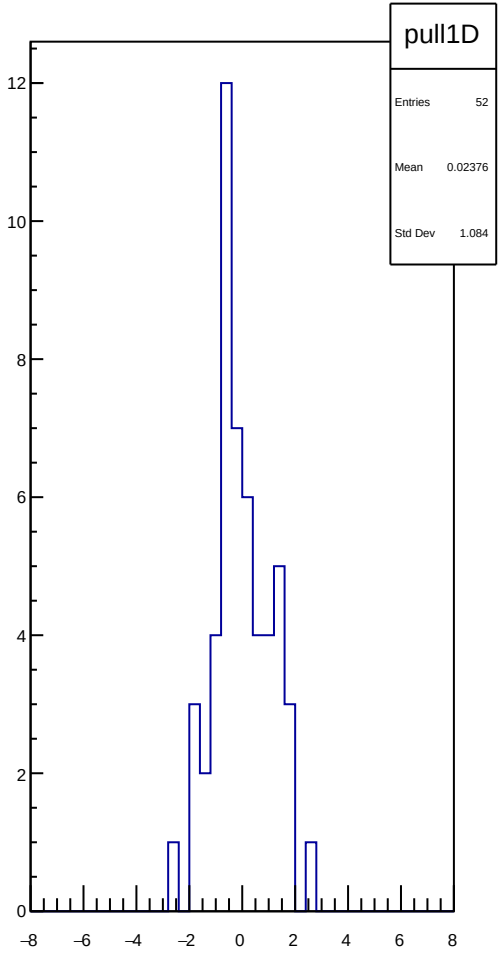
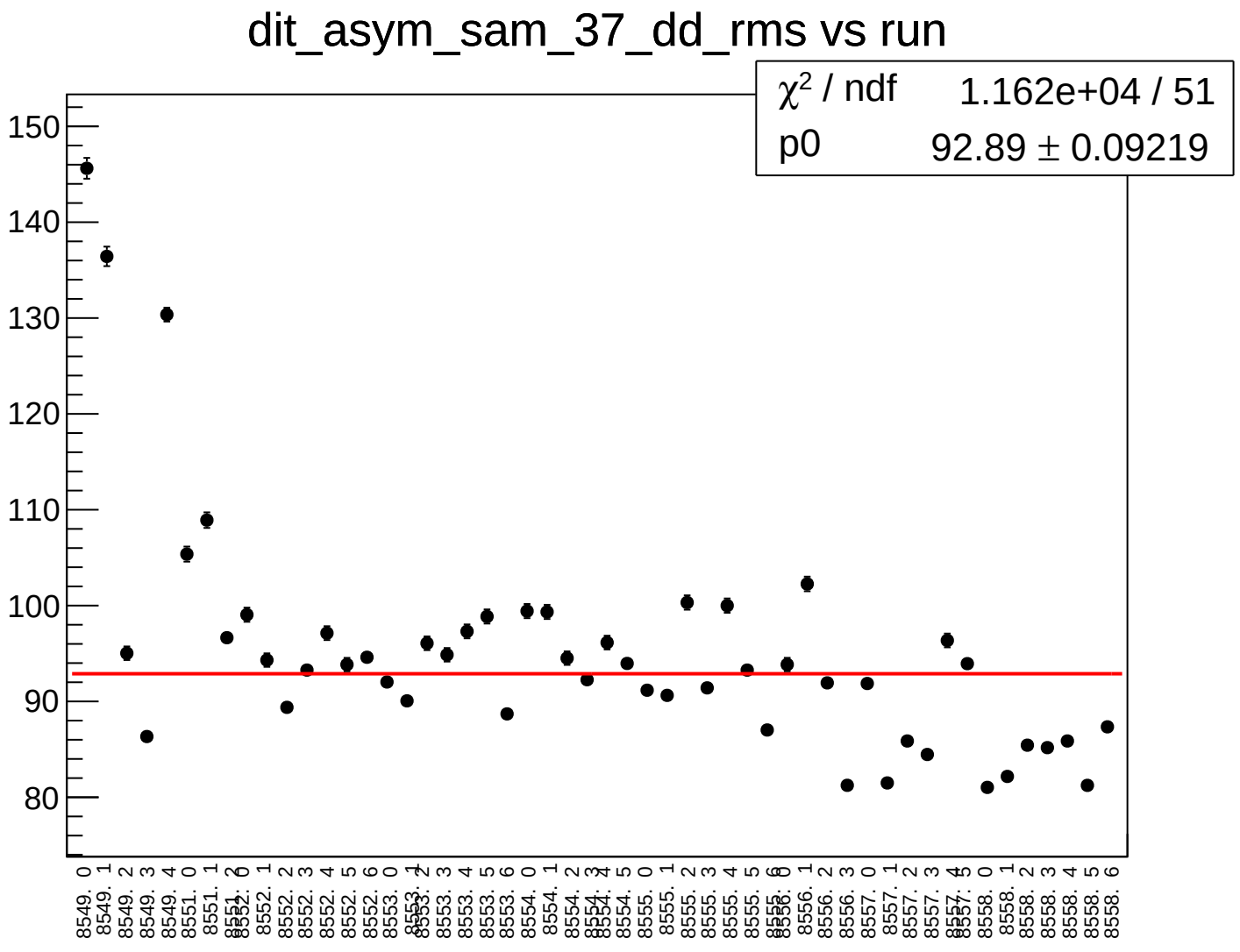
8558. 5
8558. 6


dit_asym_sam_37_dd_mean vs run
χ² / ndf 61.08 / 51
p0 150 ± 130.4
pull
Entries 52
Mean −118.9
Std Dev 0


pull1D
Entries 52
Mean 0.02376
Std Dev 1.084


dit_asym_sam_37_dd_rms vs run
χ² / ndf 1.162e+04 / 51
p0 92.89 ± 0.09219
150
140
130
120
110
100
90
80
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
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8557. 0
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8557. 3
8558. 0
8558. 1
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8558. 3
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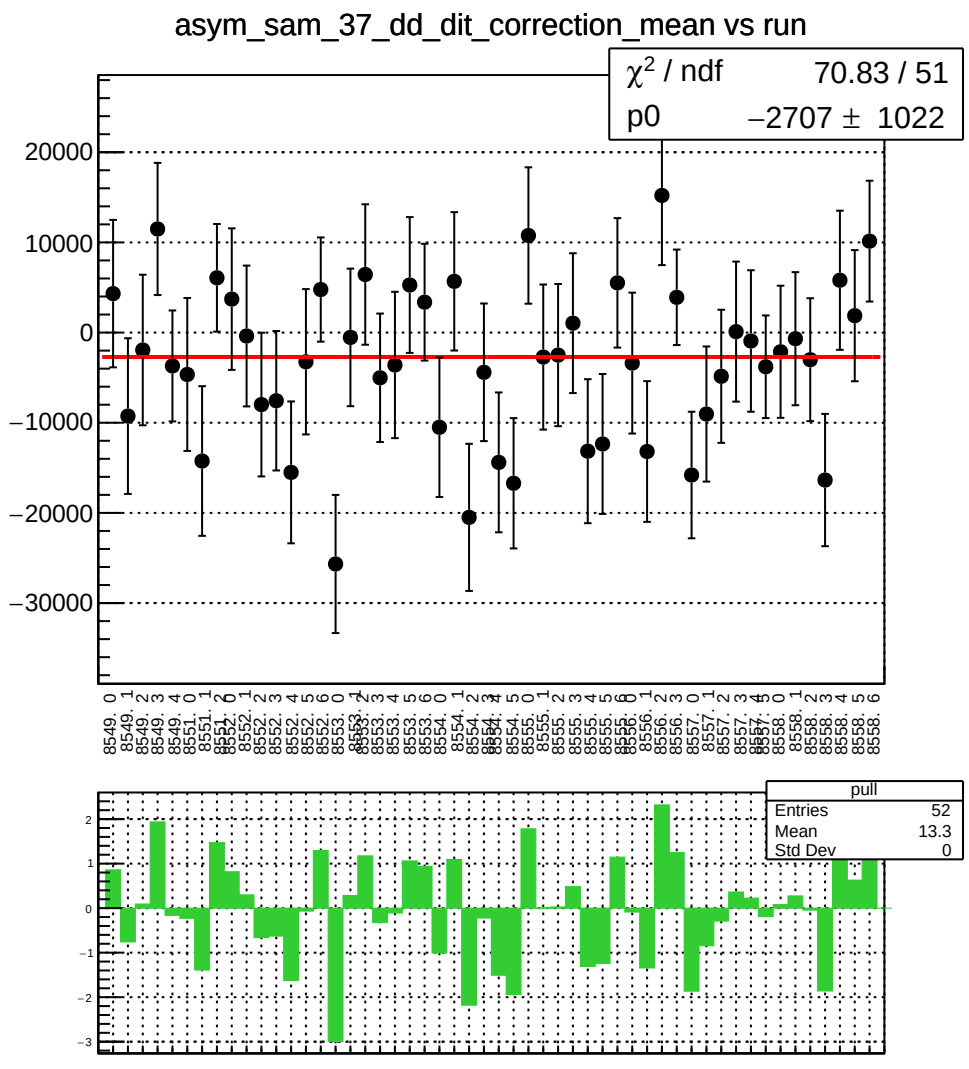
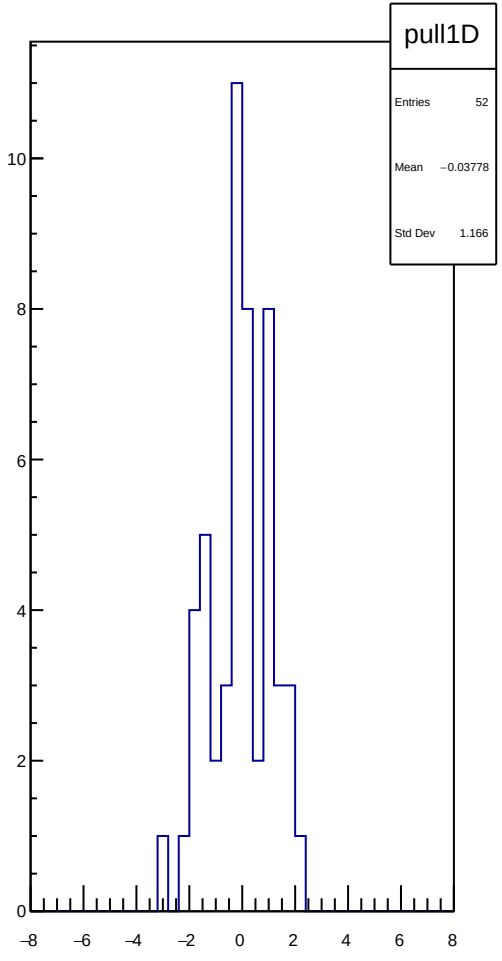
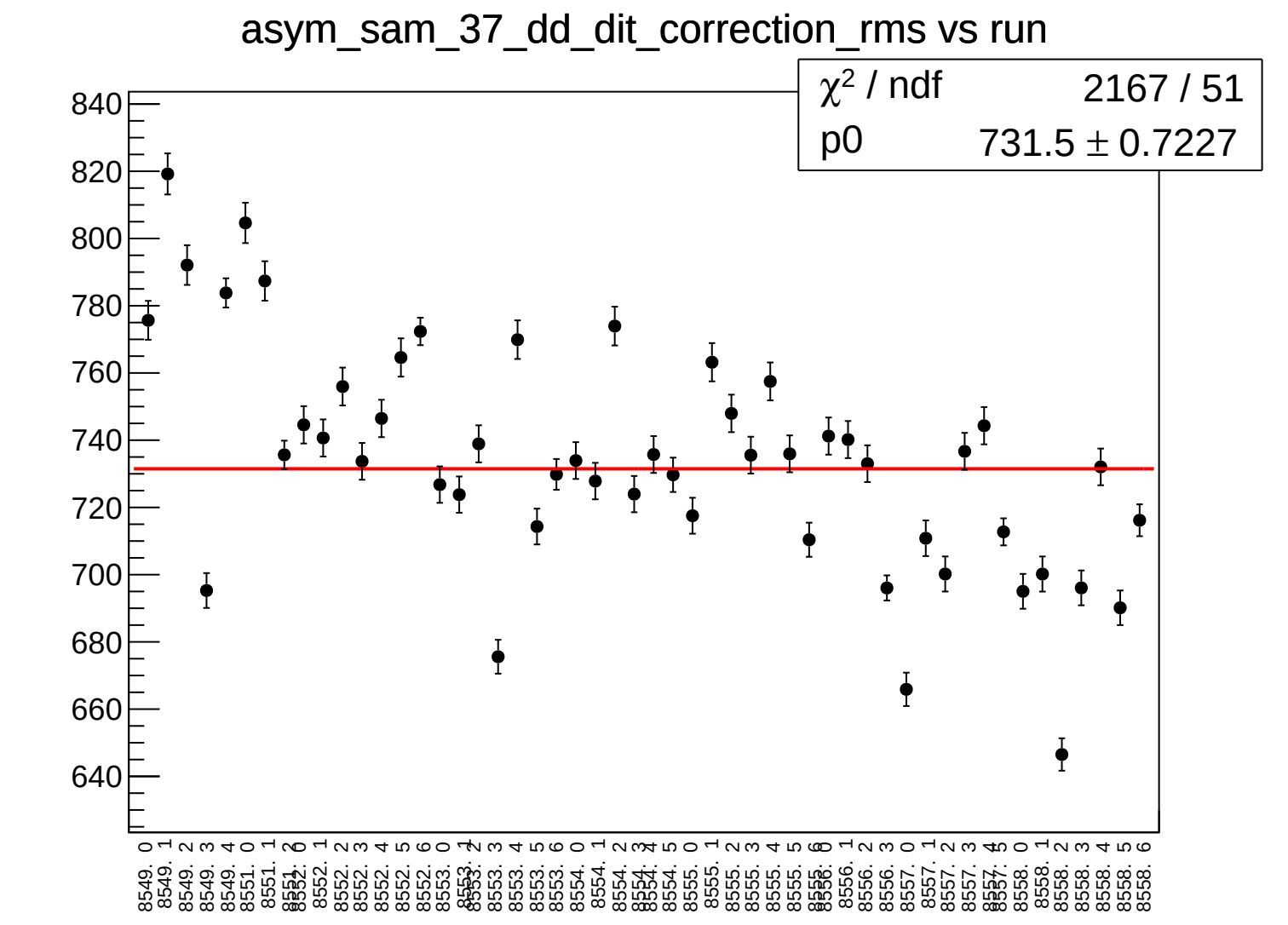
8558. 5
8558. 6


asym_sam_37_dd_dit_correction_mean vs run
χ² / ndf 70.83 / 51
p0 −2707 ± 1022
20000
10000
0
−10000
−20000
−30000
pull
Entries 52
Mean 13.3
Std Dev 0
2
1
0
−1
−2
−3


pull1D
Entries 52
Mean −0.03778
Std Dev 1.166
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


asym_sam_37_dd_dit_correction_rms vs run
χ² / ndf 2167 / 51
p0 731.5 ± 0.7227
840
820
800
780
760
740
720
700
680
660
640
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
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8553. 6
8554. 0
8554. 1
8554. 2
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8555. 1
8555. 2
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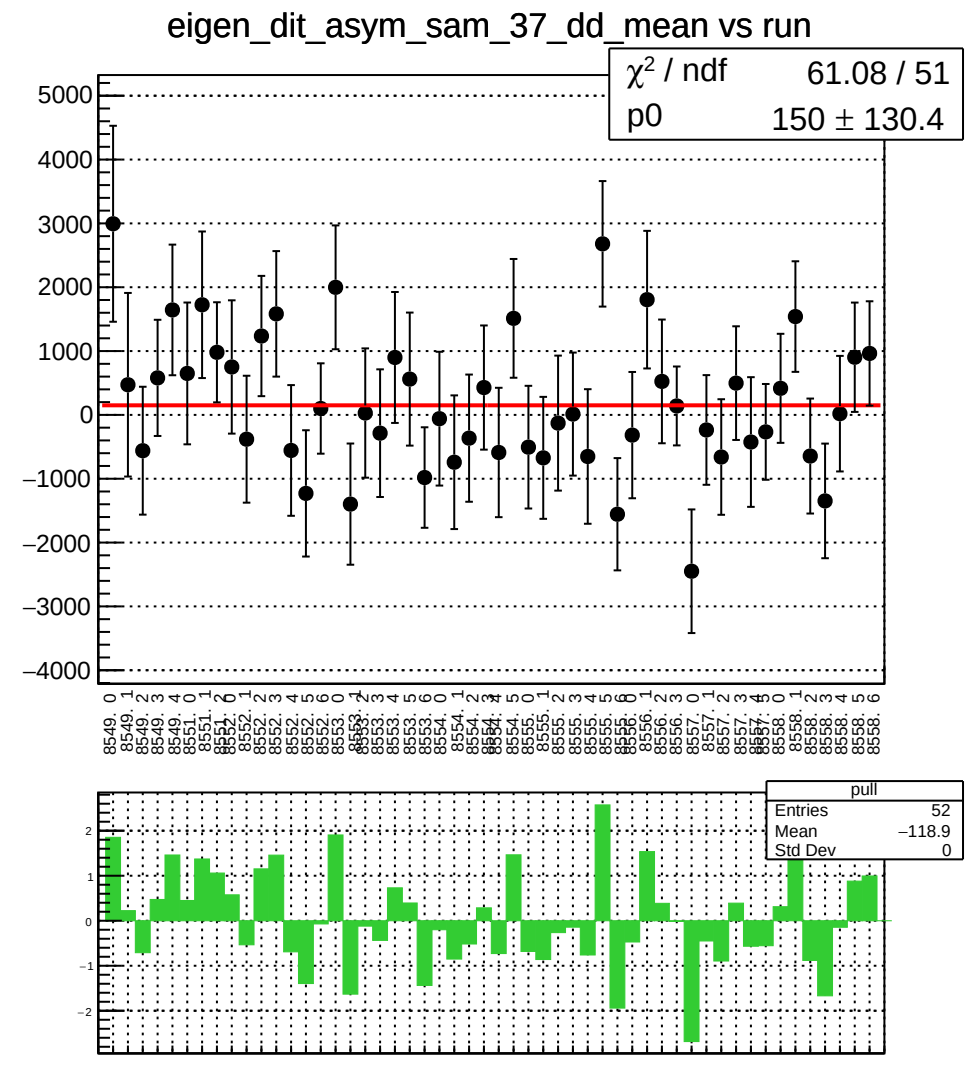
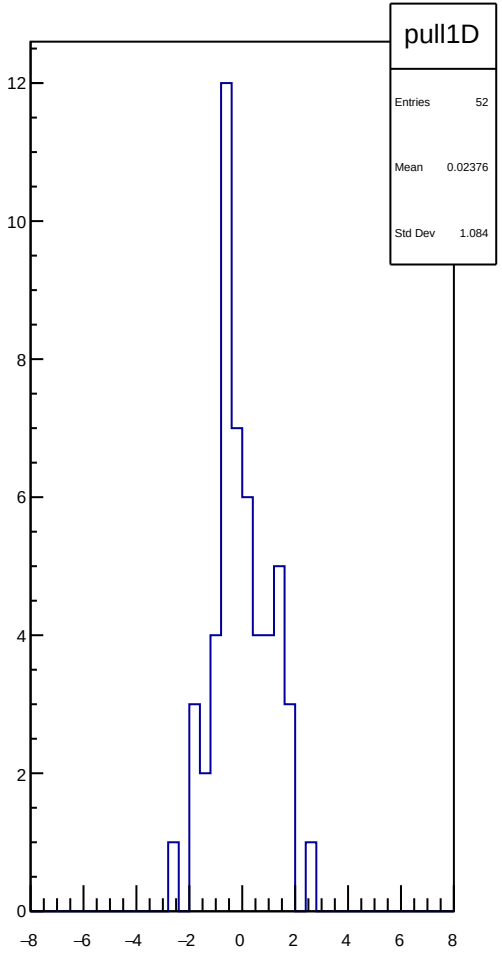
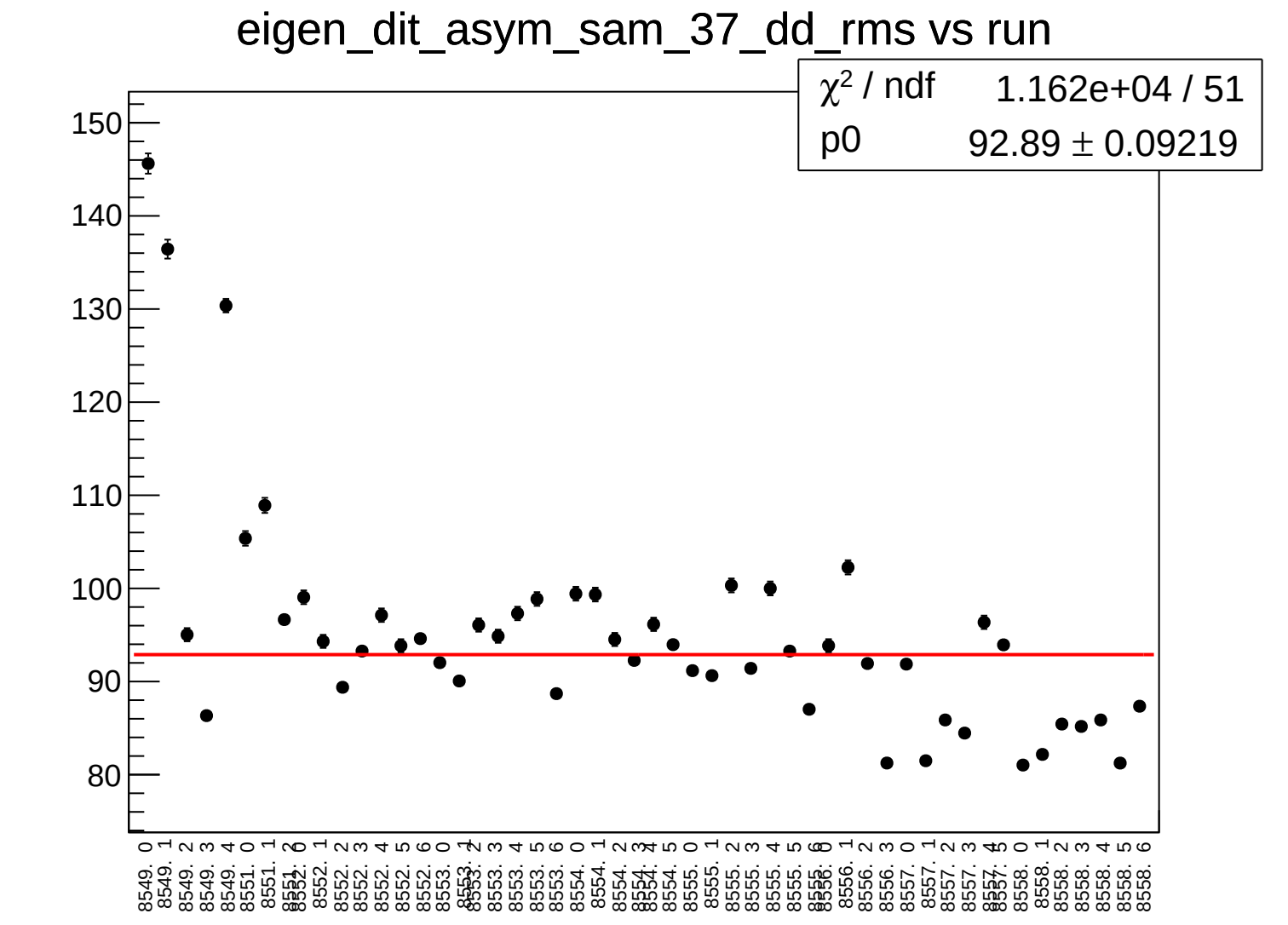
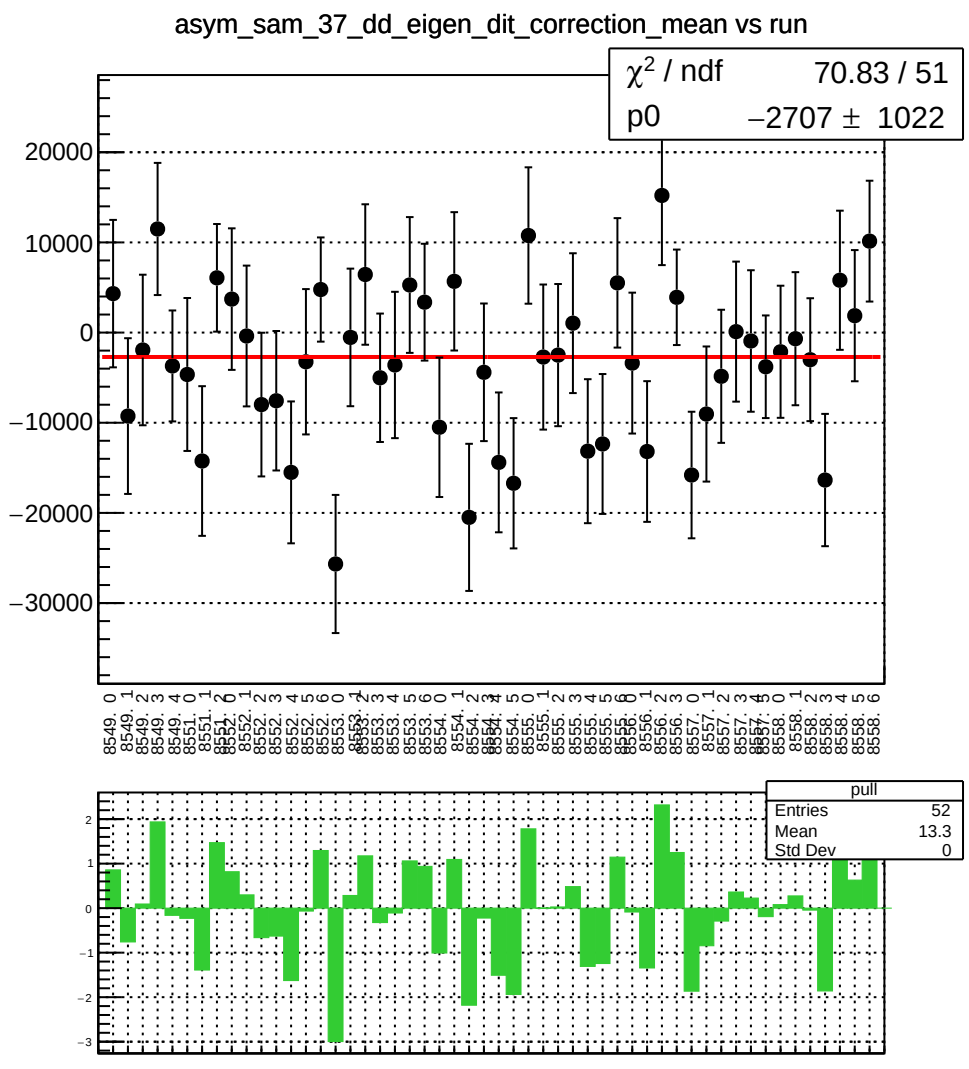
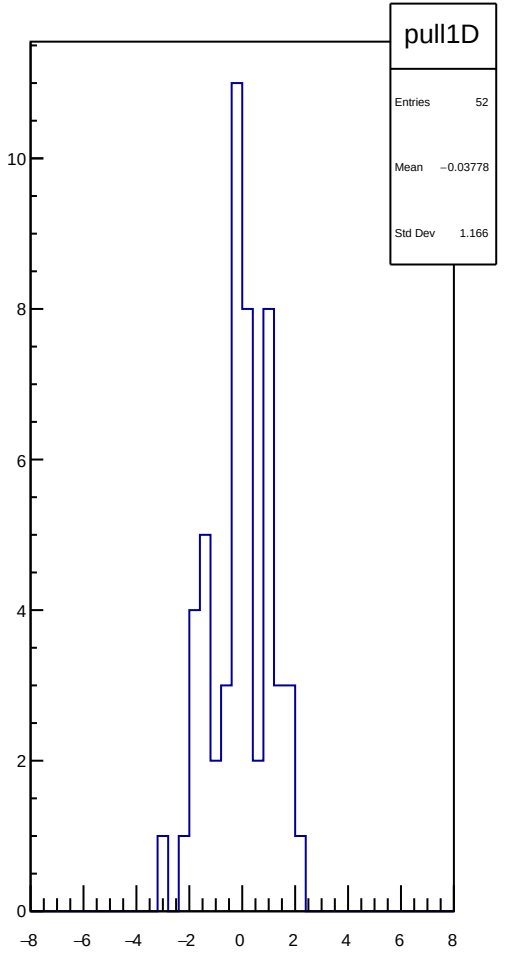
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

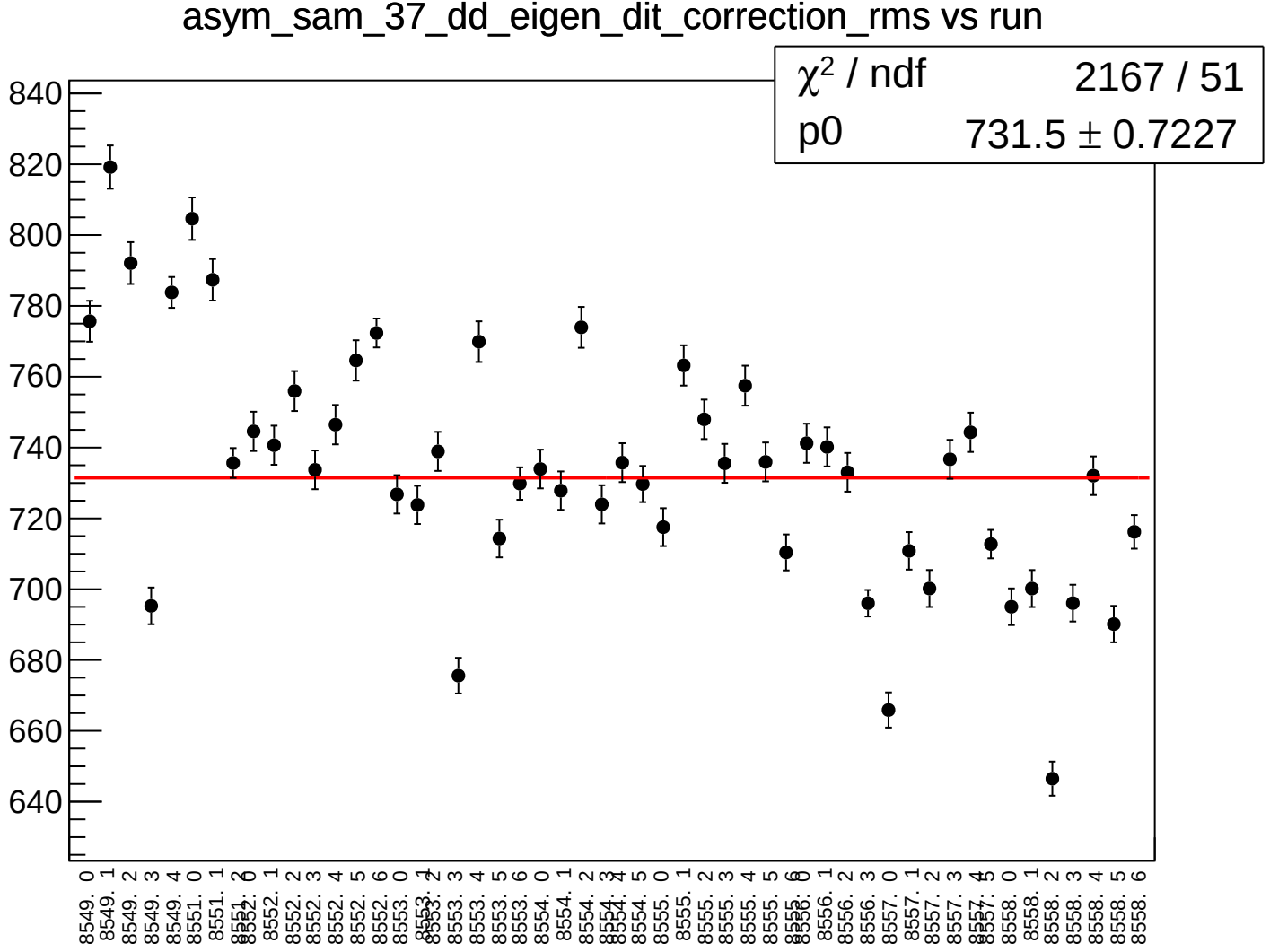

eigen_dit_asym_sam_37_dd_mean vs run
χ² / ndf 61.08 / 51
p0 150 ± 130.4
pull
Entries 52
Mean −118.9
Std Dev 0

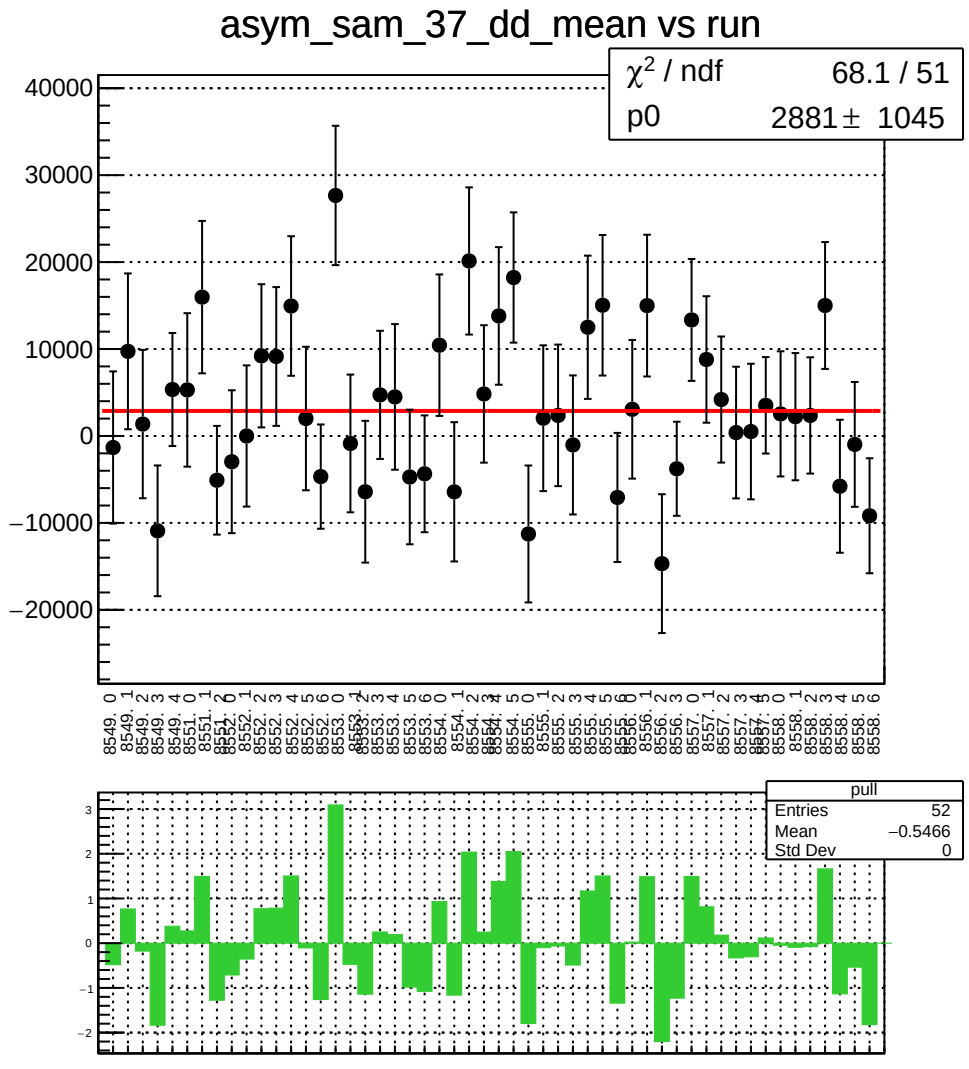

pull1D
Entries 52
Mean 0.02376
Std Dev 1.084

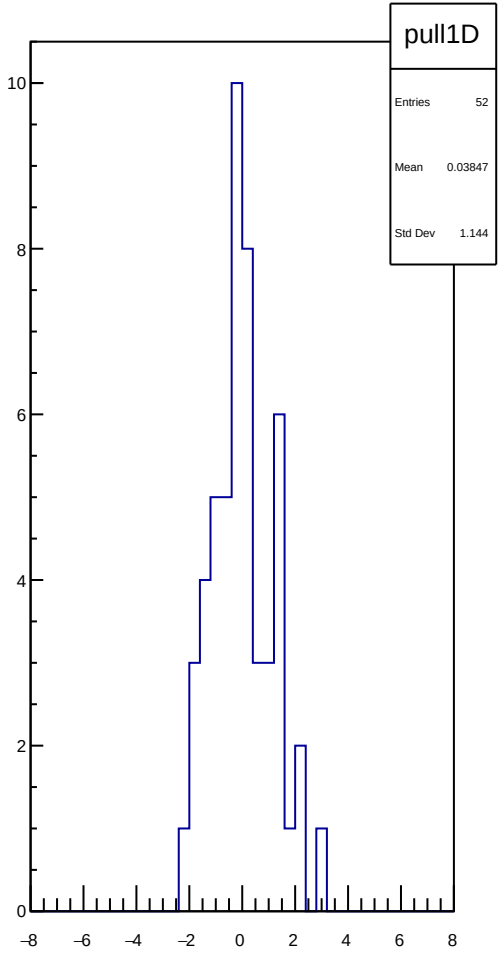

eigen_dit_asym_sam_37_dd_rms vs run
χ² / ndf 1.162e+04 / 51
p0 92.89 ± 0.09219
150
140
130
120
110
100
90
80
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 5
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

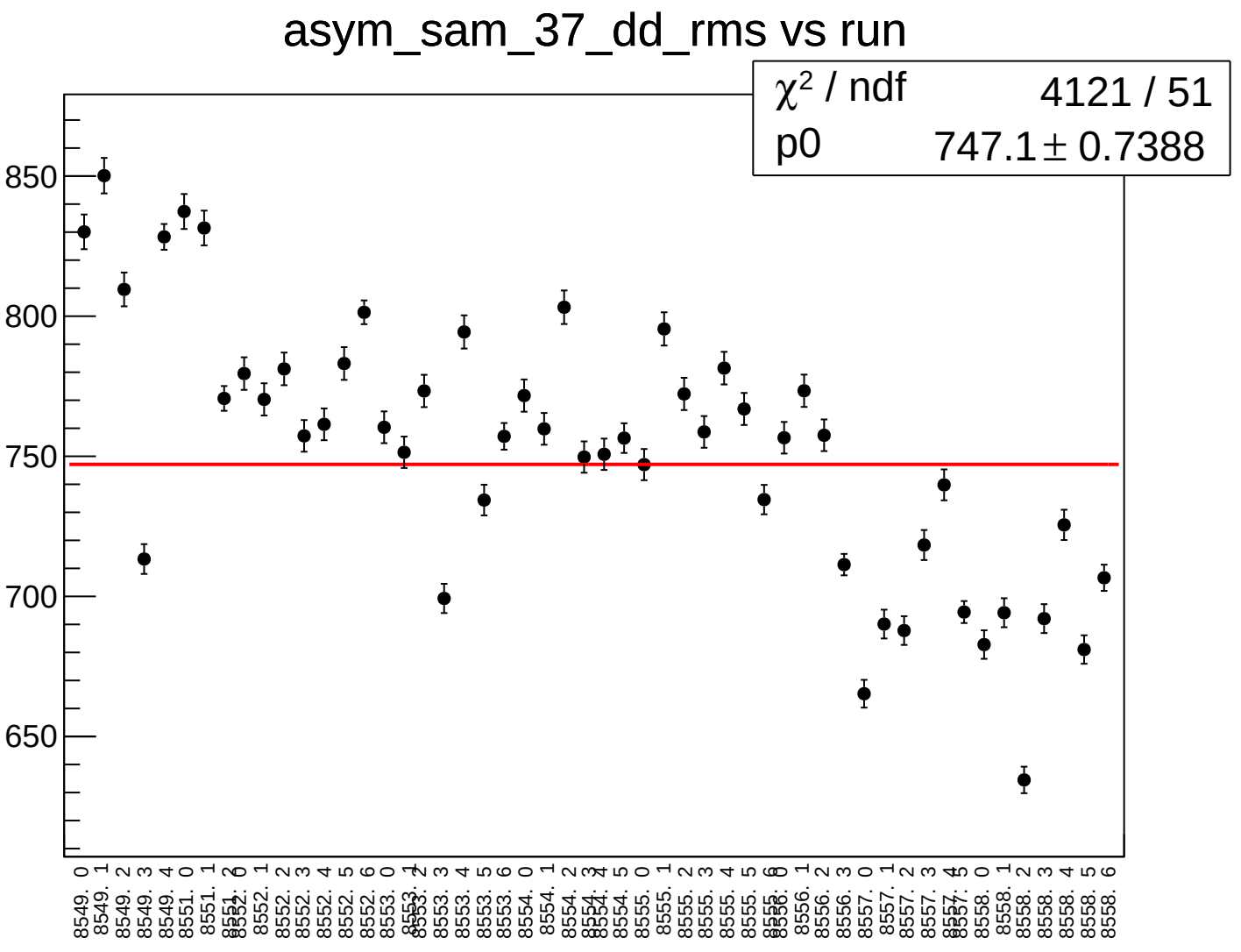

asym_sam_37_dd_eigen_dit_correction_mean vs run
χ² / ndf 70.83 / 51
p0 −2707 ± 1022
20000
10000
0
−10000
−20000
−30000
pull
Entries 52
Mean 13.3
Std Dev 0
2
1
0
−1
−2
−3


pull1D
Entries 52
Mean −0.03778
Std Dev 1.166
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


asym_sam_37_dd_eigen_dit_correction_rms vs run
χ² / ndf 2167 / 51
p0 731.5 ± 0.7227
840
820
800
780
760
740
720
700
680
660
640
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 5
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6


asym_sam_37_dd_mean vs run
χ² / ndf 68.1 / 51
p0 2881 ± 1045
pull
Entries 52
Mean −0.5466
Std Dev 0


pull1D
Entries 52
Mean 0.03847
Std Dev 1.144


asym_sam_37_dd_rms vs run
χ² / ndf 4121 / 51
p0 747.1 ± 0.7388
850
800
750
700
650
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 5
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
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8557. 3
8558. 0
8558. 1
8558. 2
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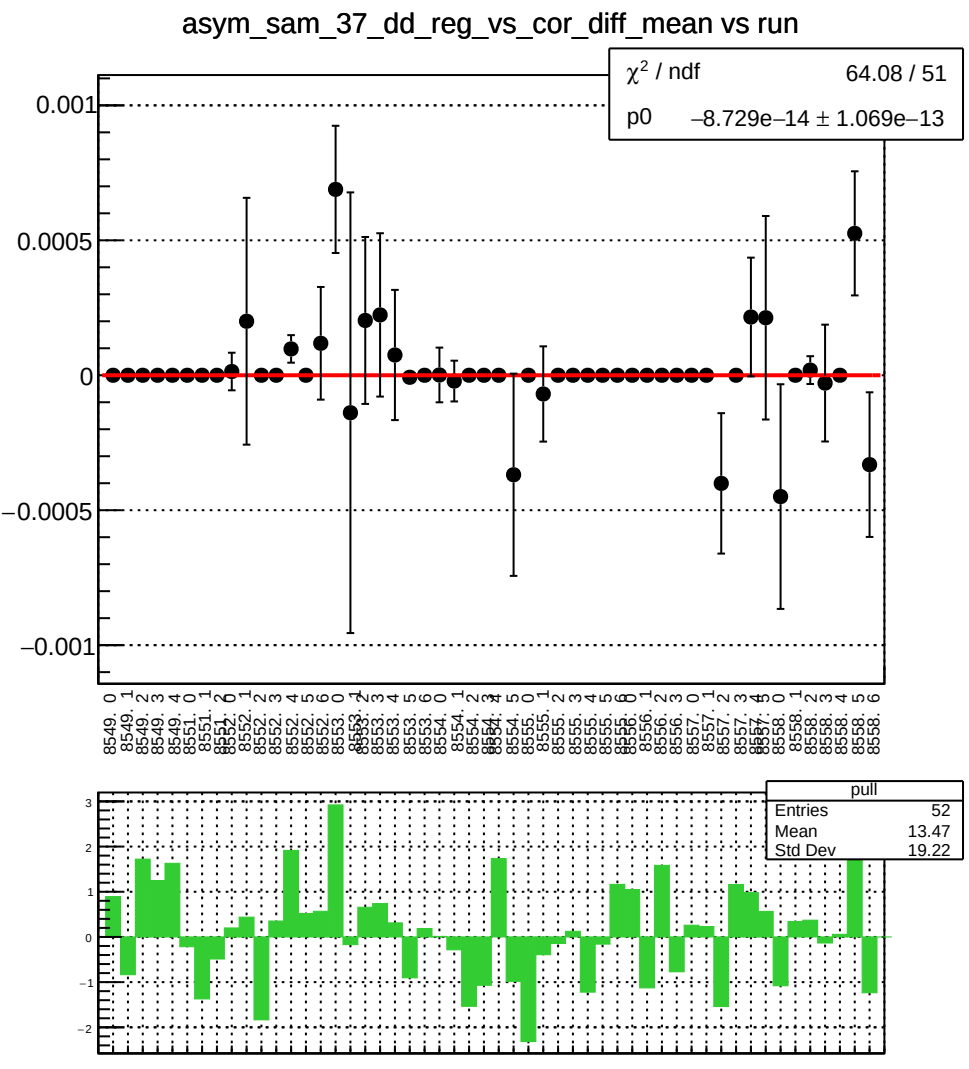
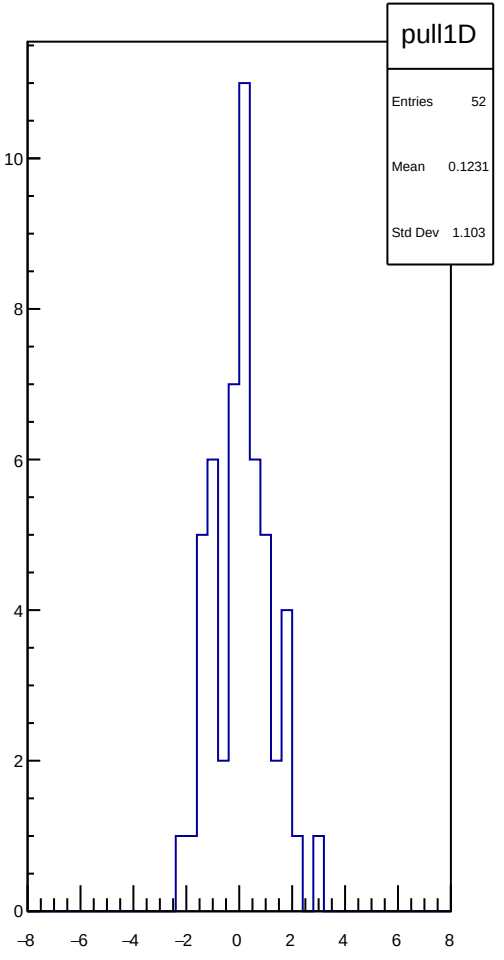
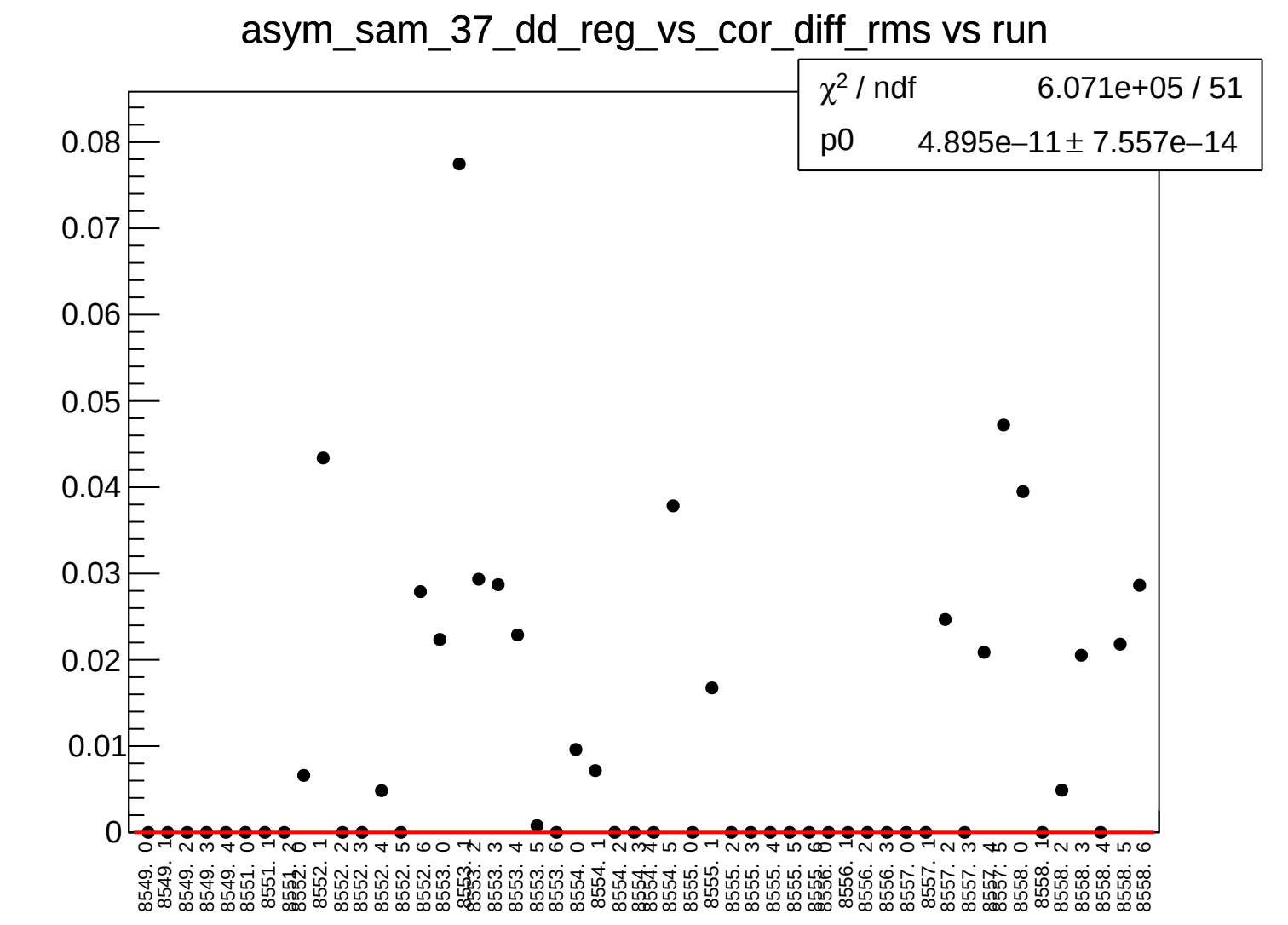
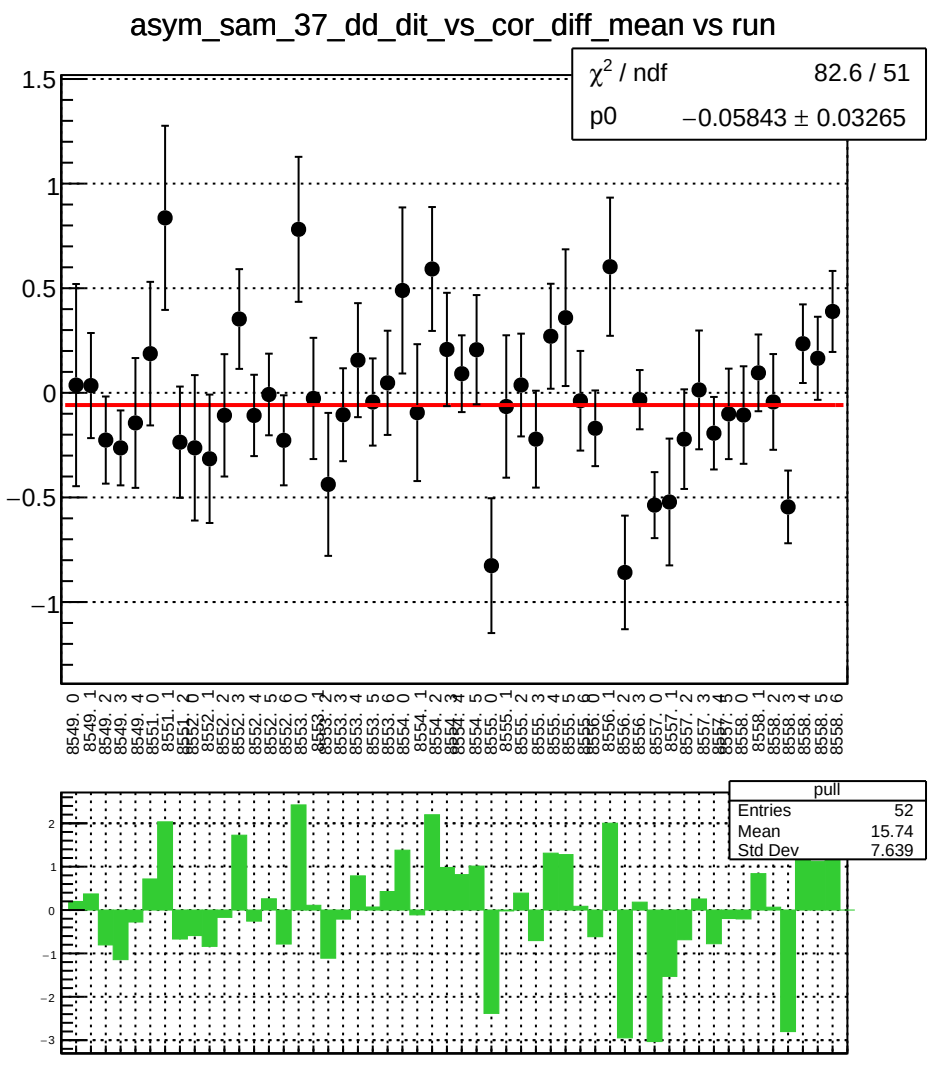
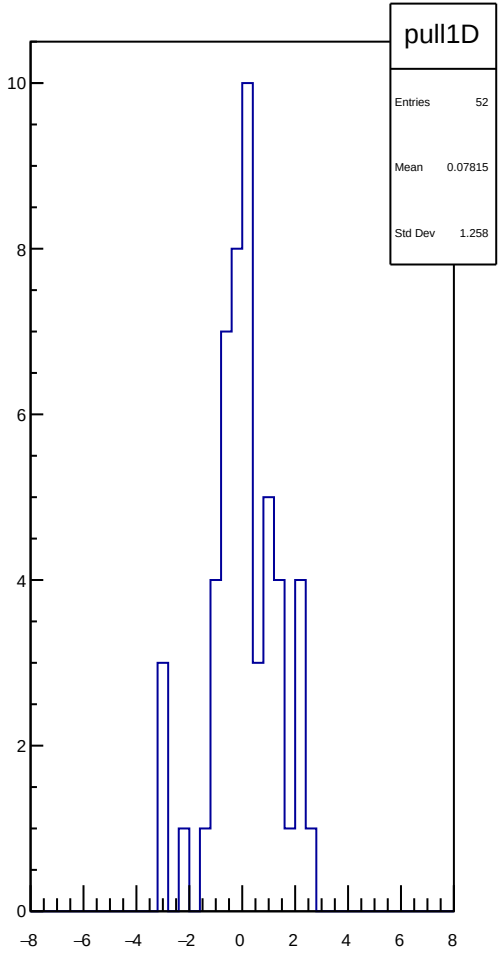
8558. 5
8558. 6

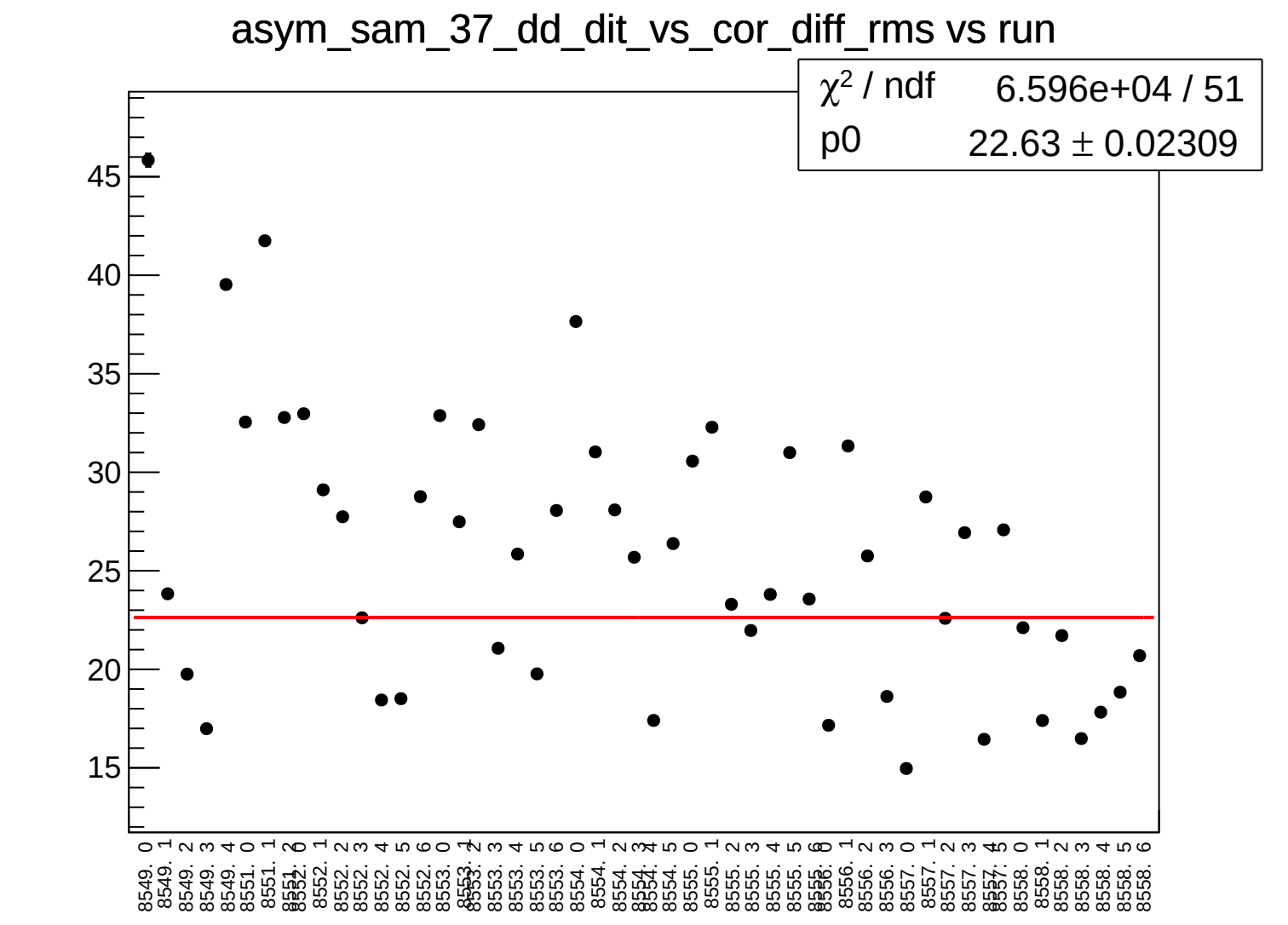

asym_sam_37_dd_reg_vs_cor_diff_mean vs run
χ² / ndf 64.08 / 51
p0 −8.729e−14 ± 1.069e−13
0.001
0.0005
0
−0.0005
−0.001
pull
Entries 52
Mean 13.47
Std Dev 19.22

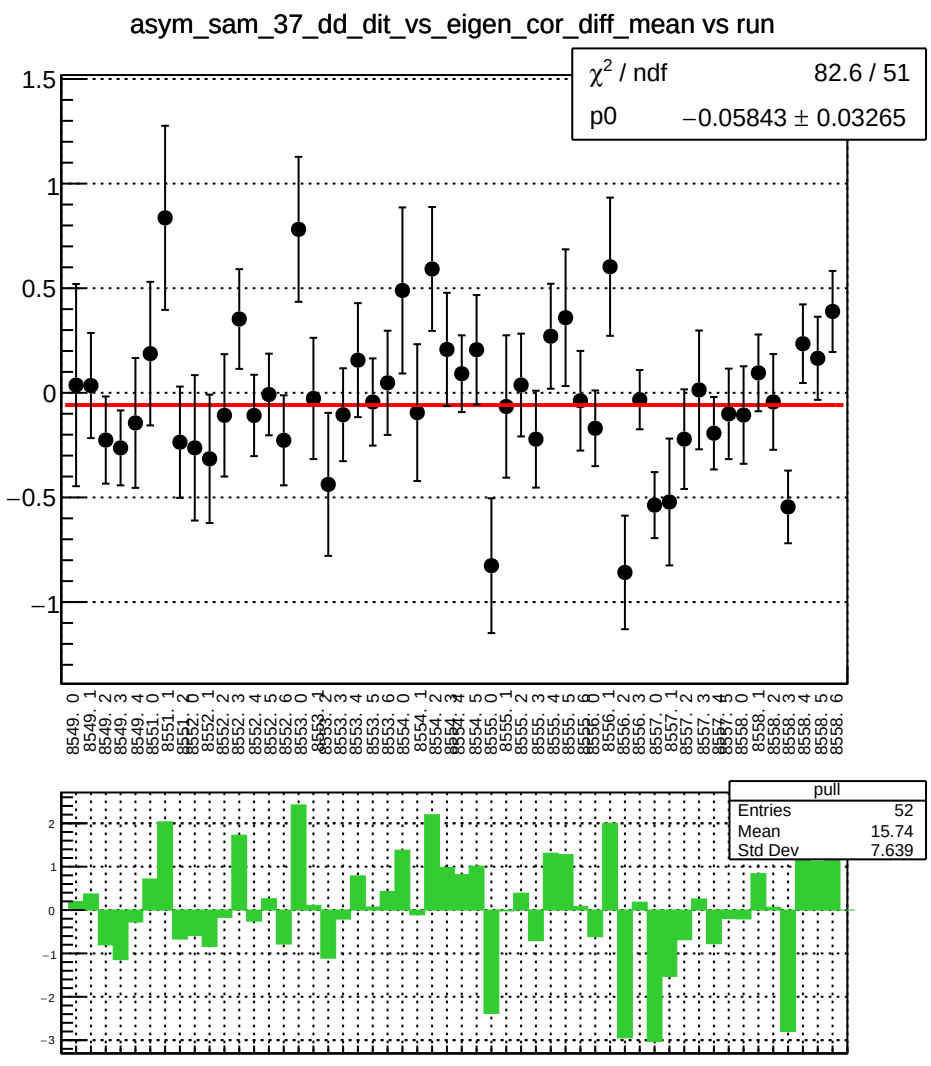

pull1D
Entries 52
Mean 0.1231
Std Dev 1.103

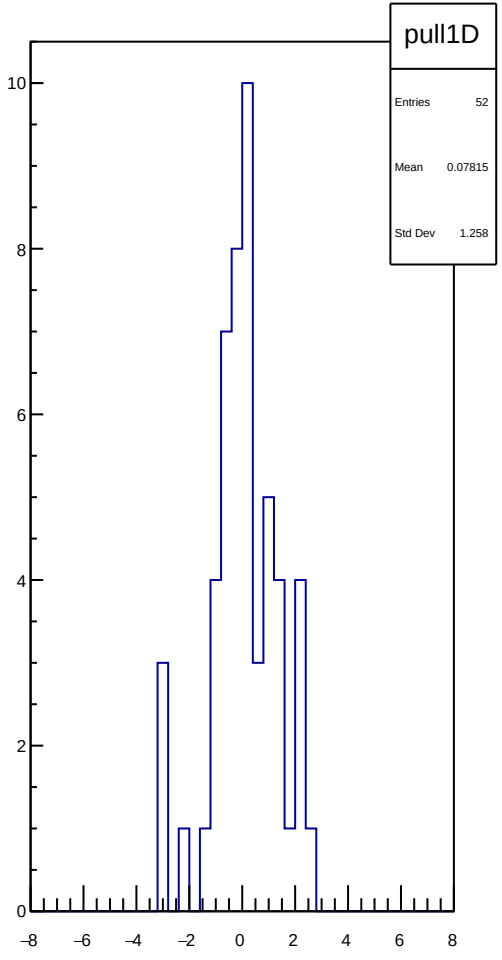

asym_sam_37_dd_reg_vs_cor_diff_rms vs run
χ² / ndf 6.071e+05 / 51
p0 4.895e−11 ± 7.557e−14
0.08
0.07
0.06
0.05
0.04
0.03
0.02
0.01
0
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 2
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 5
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

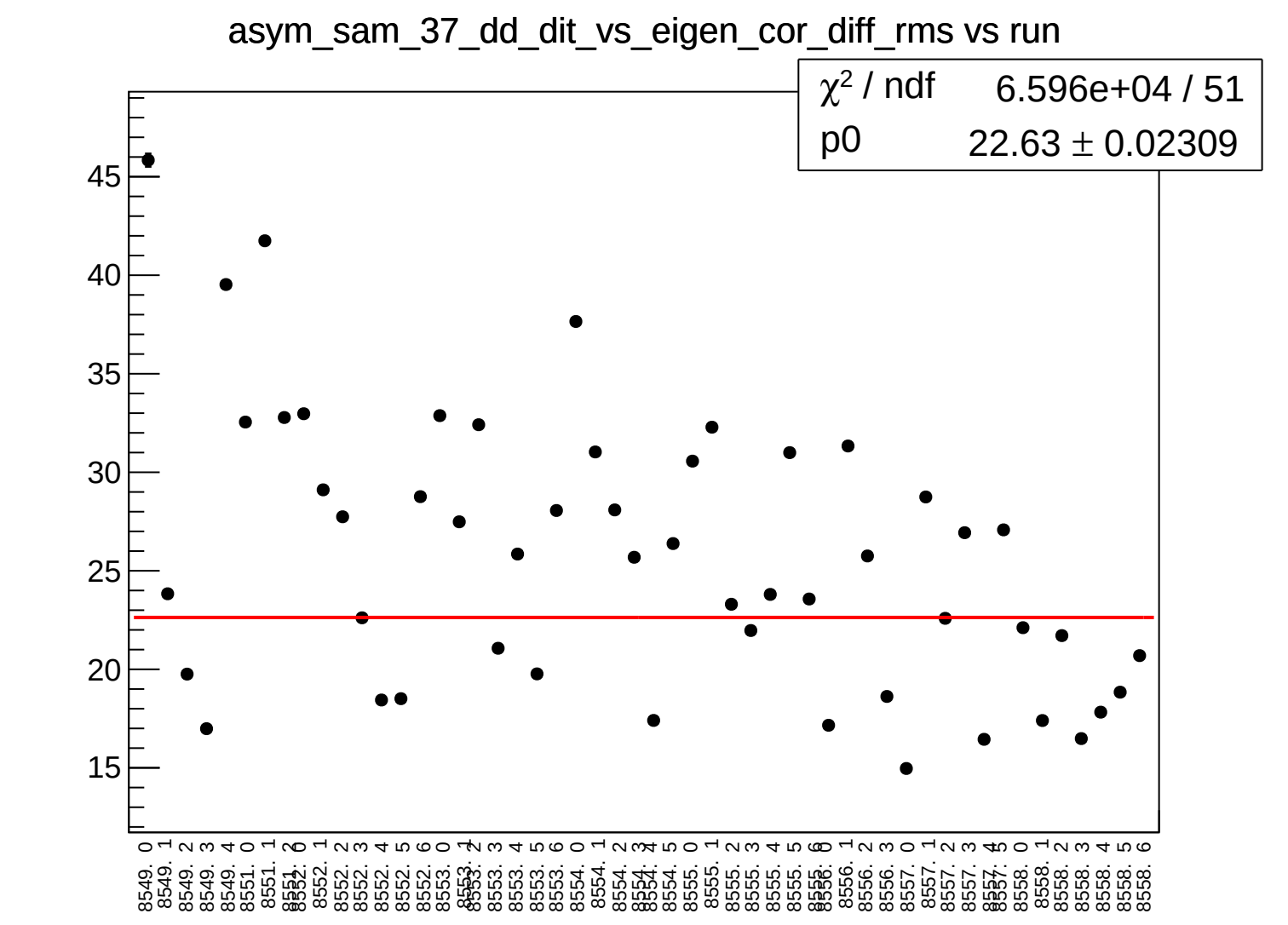

asym_sam_37_dd_dit_vs_cor_diff_mean vs run
χ² / ndf 82.6 / 51
p0 −0.05843 ± 0.03265
pull
Entries 52
Mean 15.74
Std Dev 7.639

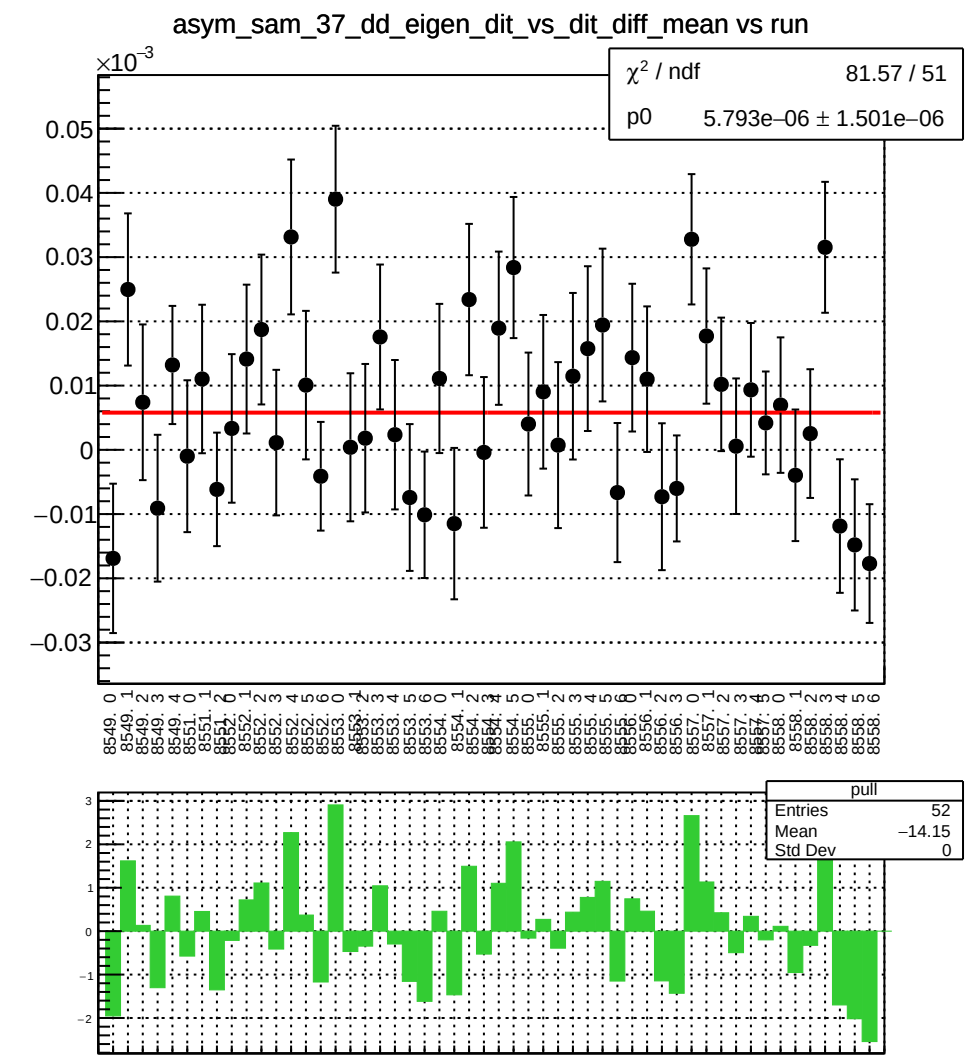

pull1D
Entries 52
Mean 0.07815
Std Dev 1.258

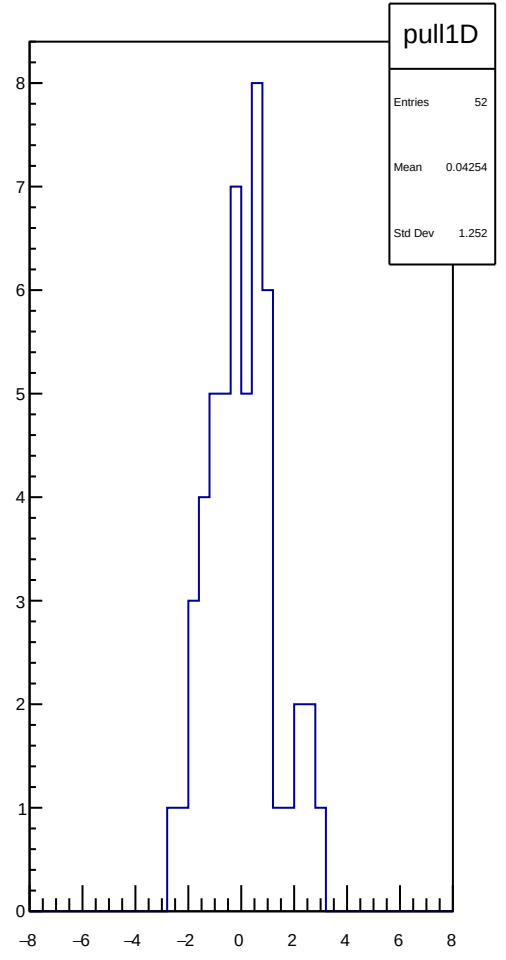

asym_sam_37_dd_dit_vs_cor_diff_rms vs run
χ² / ndf 6.596e+04 / 51
p0 22.63 ± 0.02309
45
40
35
30
25
20
15
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 5
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

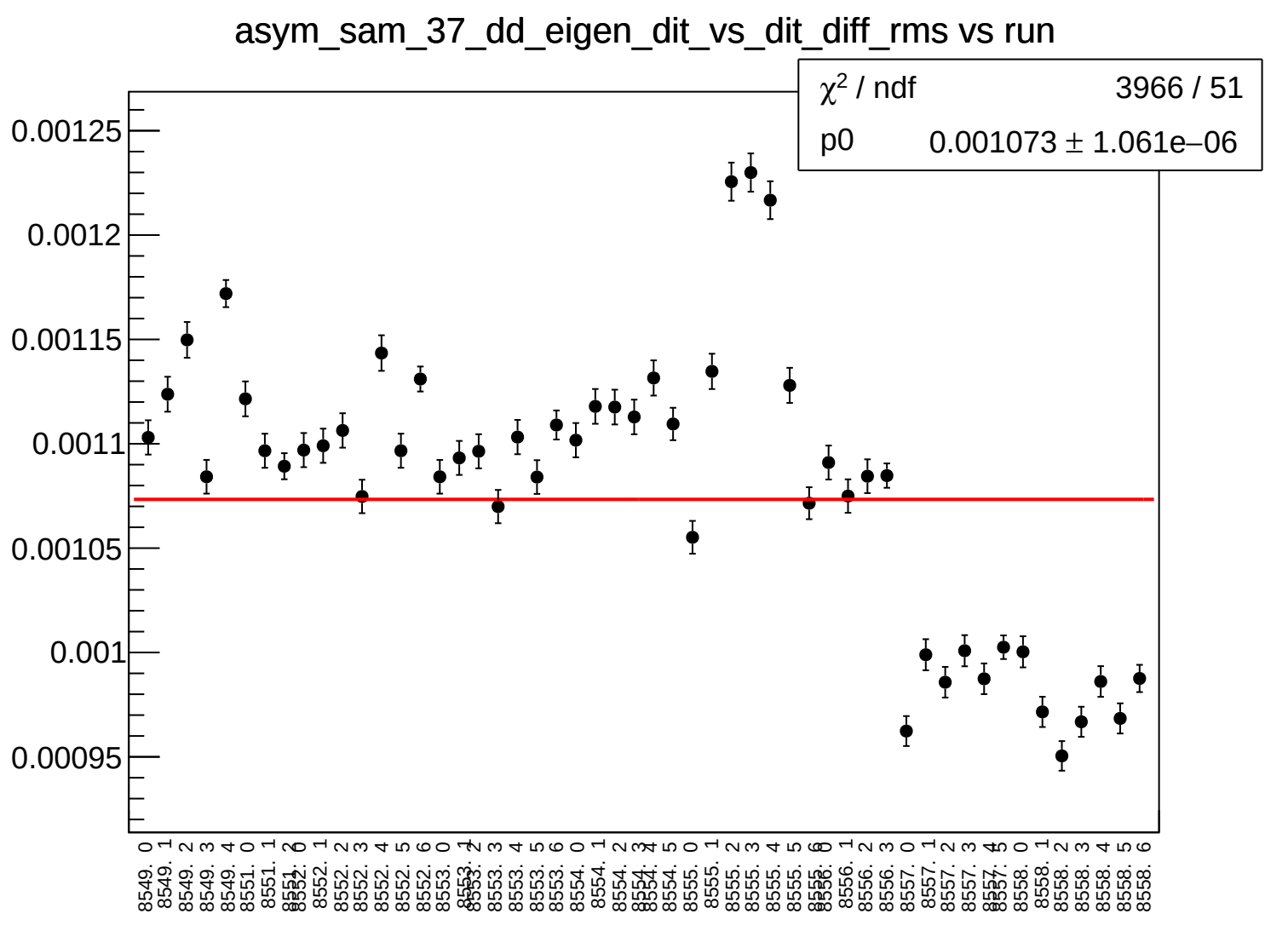

asym_sam_37_dd_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 82.6 / 51
p0 −0.05843 ± 0.03265
pull
Entries 52
Mean 15.74
Std Dev 7.639

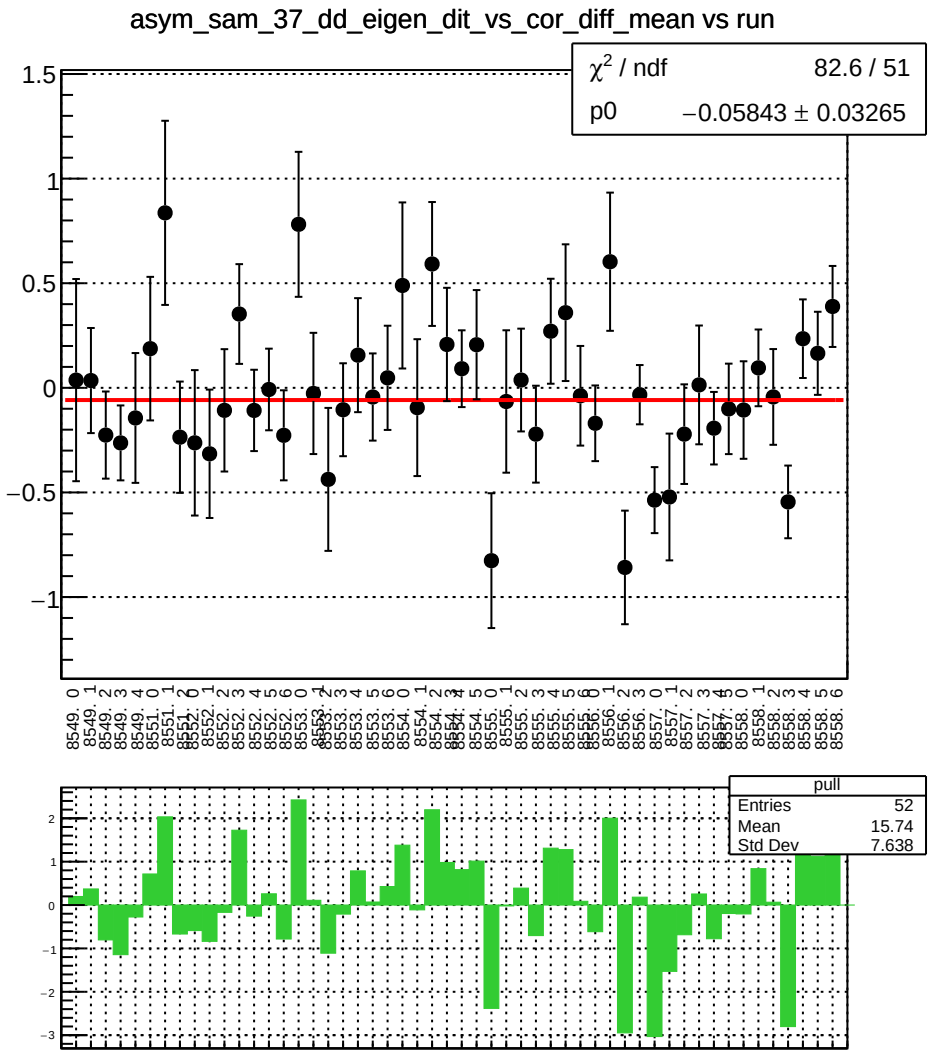

pull1D
Entries 52
Mean 0.07815
Std Dev 1.258

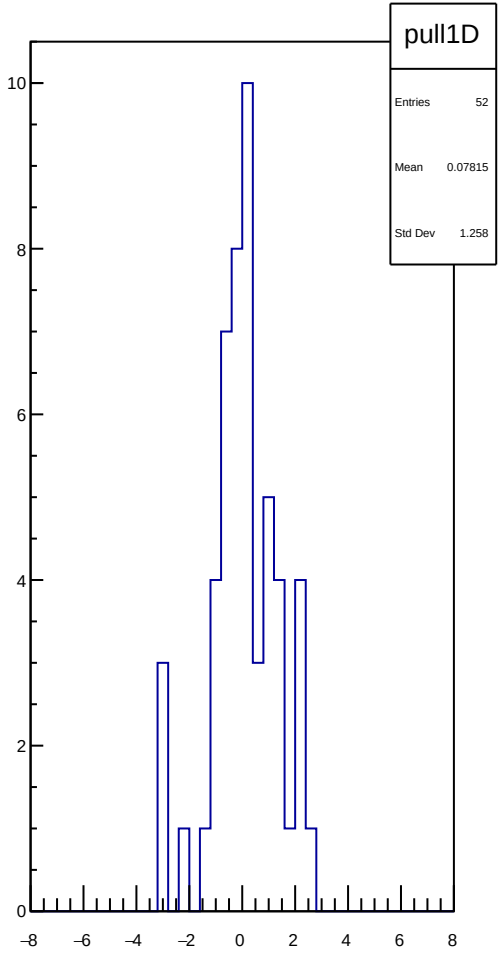

asym_sam_37_dd_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 6.596e+04 / 51
p0 22.63 ± 0.02309
45
40
35
30
25
20
15
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 5
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

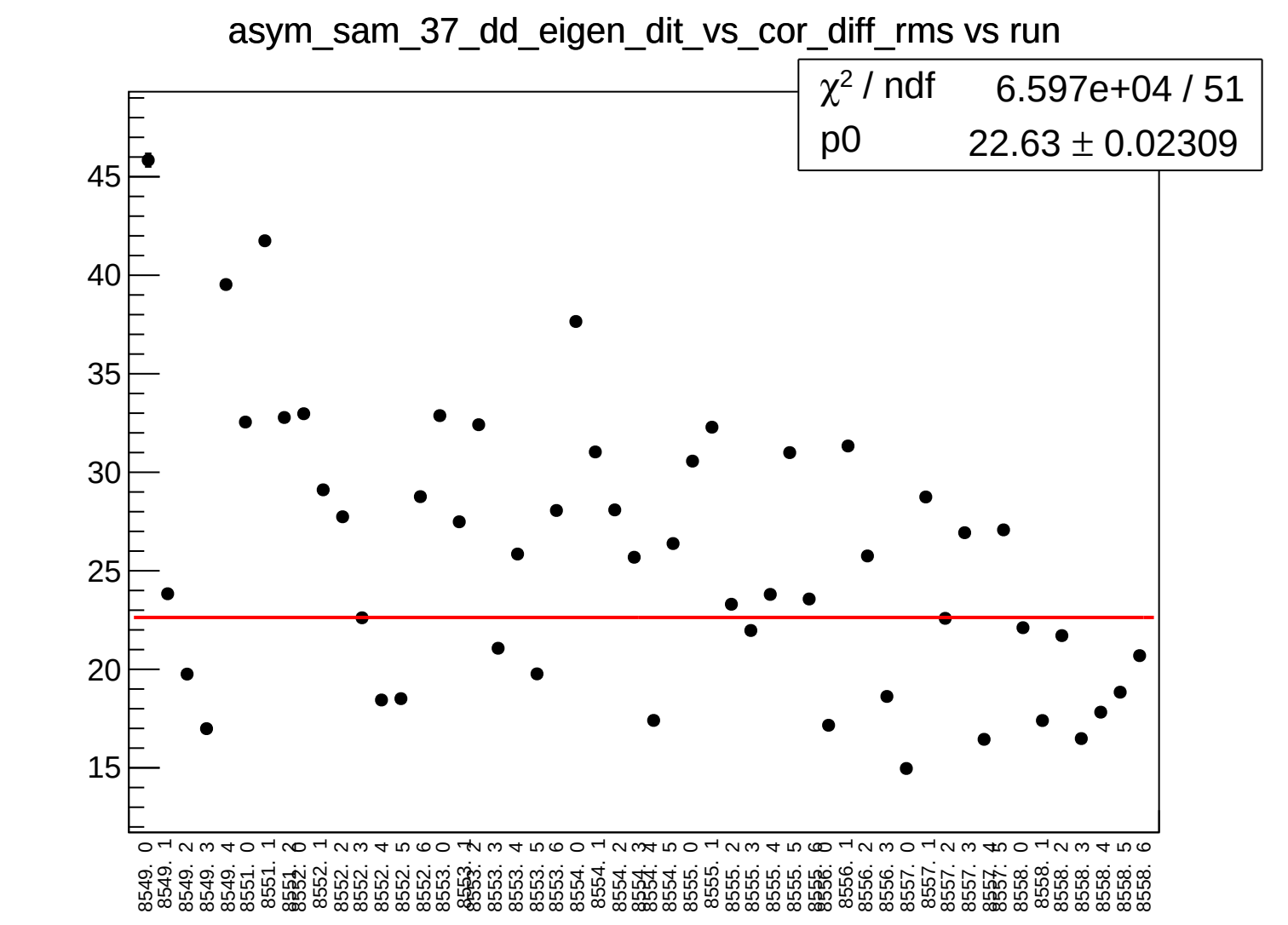

asym_sam_37_dd_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 81.57 / 51
p0 5.793e−06 ± 1.501e−06
pull
Entries 52
Mean −14.15
Std Dev 0


pull1D
Entries 52
Mean 0.04254
Std Dev 1.252


asym_sam_37_dd_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 3966 / 51
p0 0.001073 ± 1.061e−06
0.00125
0.0012
0.00115
0.0011
0.00105
0.001
0.00095
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6


asym_sam_37_dd_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 82.6 / 51
p0 −0.05843 ± 0.03265
pull
Entries 52
Mean 15.74
Std Dev 7.638


pull1D
Entries 52
Mean 0.07815
Std Dev 1.258


asym_sam_37_dd_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 6.597e+04 / 51
p0 22.63 ± 0.02309
45
40
35
30
25
20
15
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 5
8555. 0
8555. 1
8555. 2
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8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
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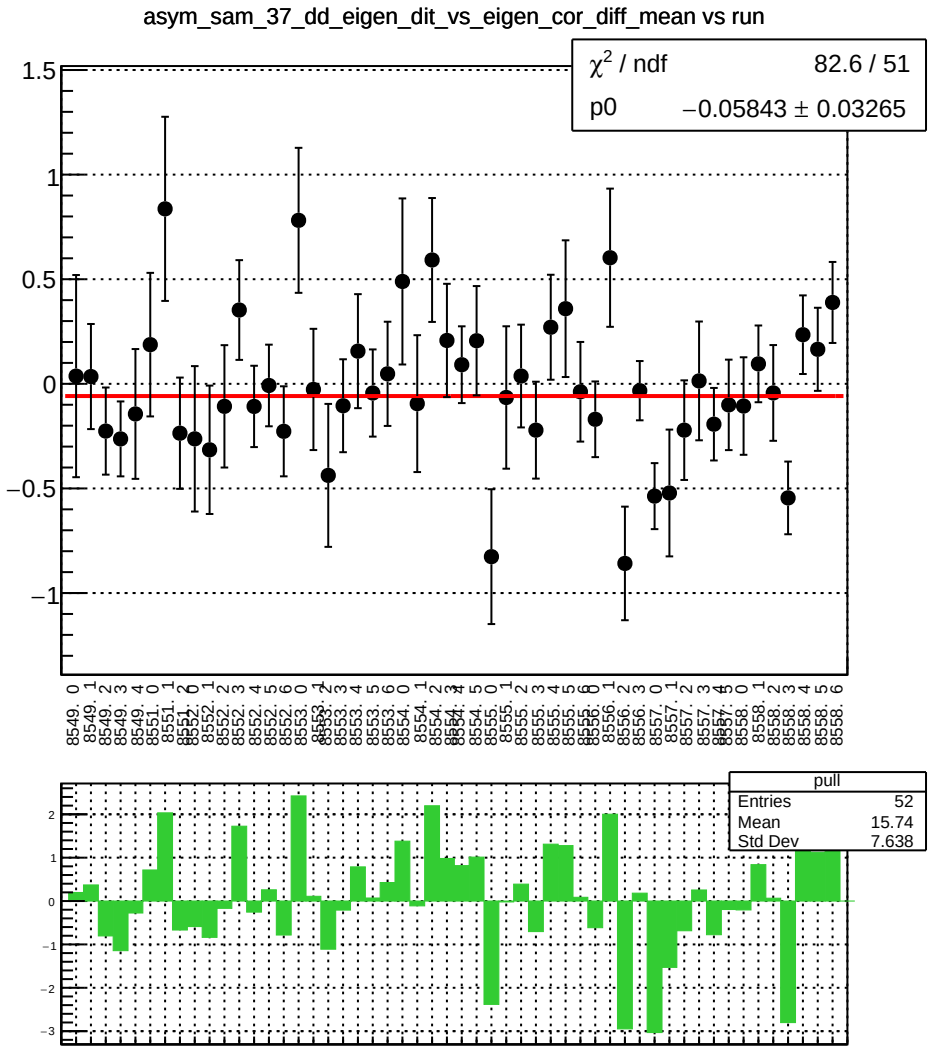
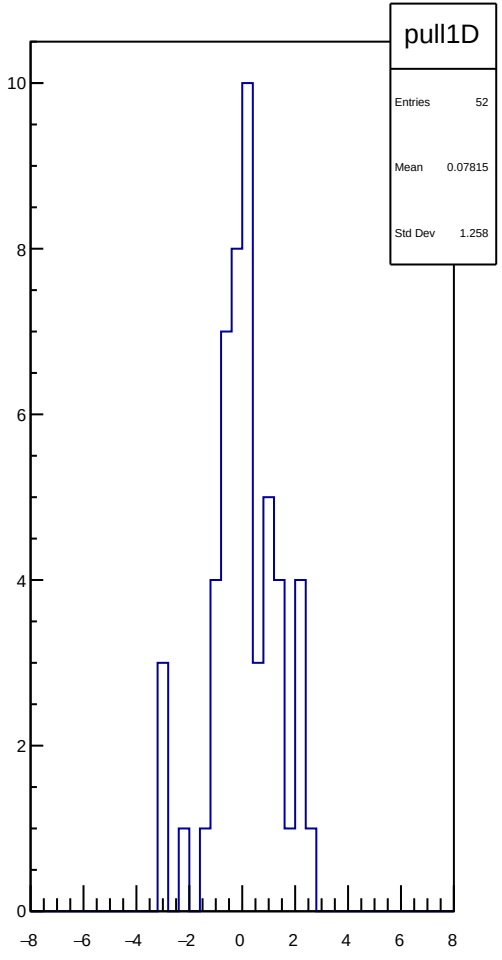
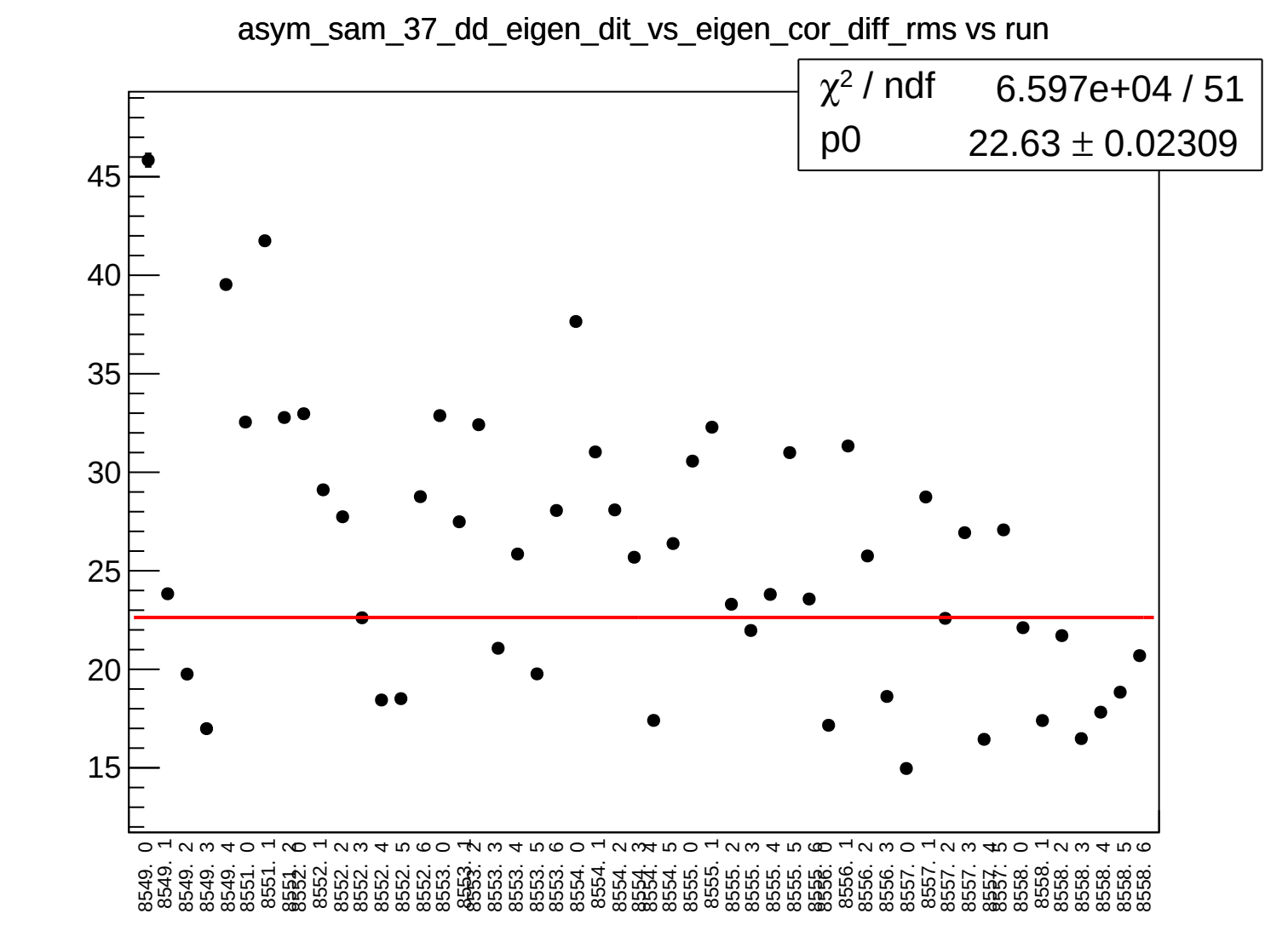
8558. 5
8558. 6


asym_sam_37_dd_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 82.6 / 51
p0 −0.05843 ± 0.03265
pull
Entries 52
Mean 15.74
Std Dev 7.638


pull1D
Entries 52
Mean 0.07815
Std Dev 1.258


asym_sam_37_dd_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 6.597e+04 / 51
p0 22.63 ± 0.02309
45
40
35
30
25
20
15
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
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8553. 0
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8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 5
8555. 0
8555. 1
8555. 2
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8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
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8557. 3
8558. 0
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8558. 2
8558. 3
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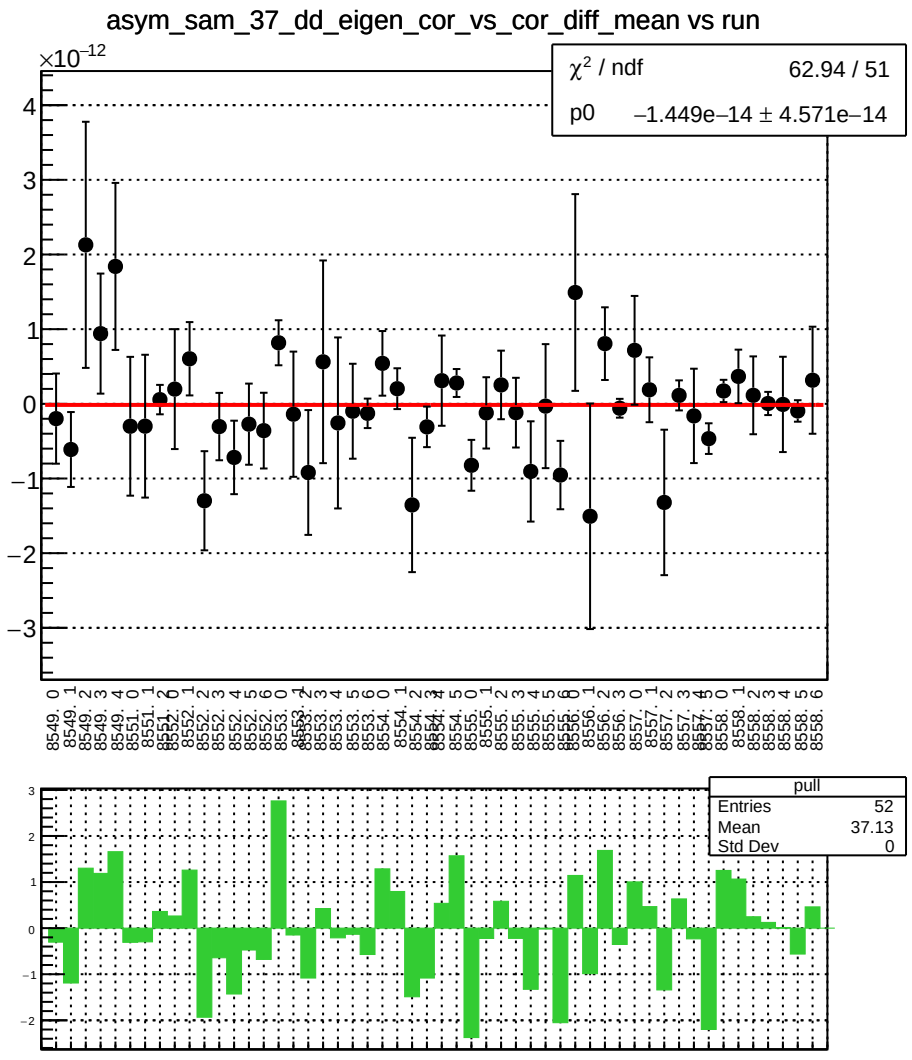
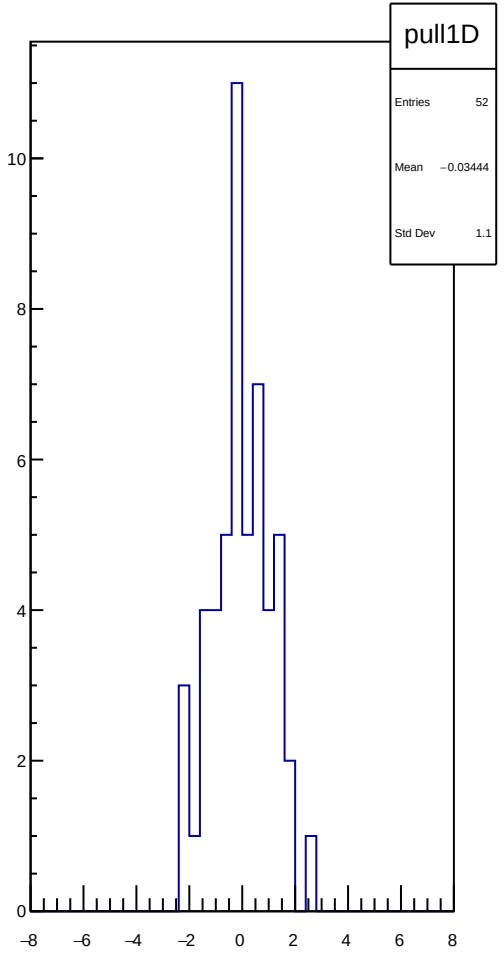
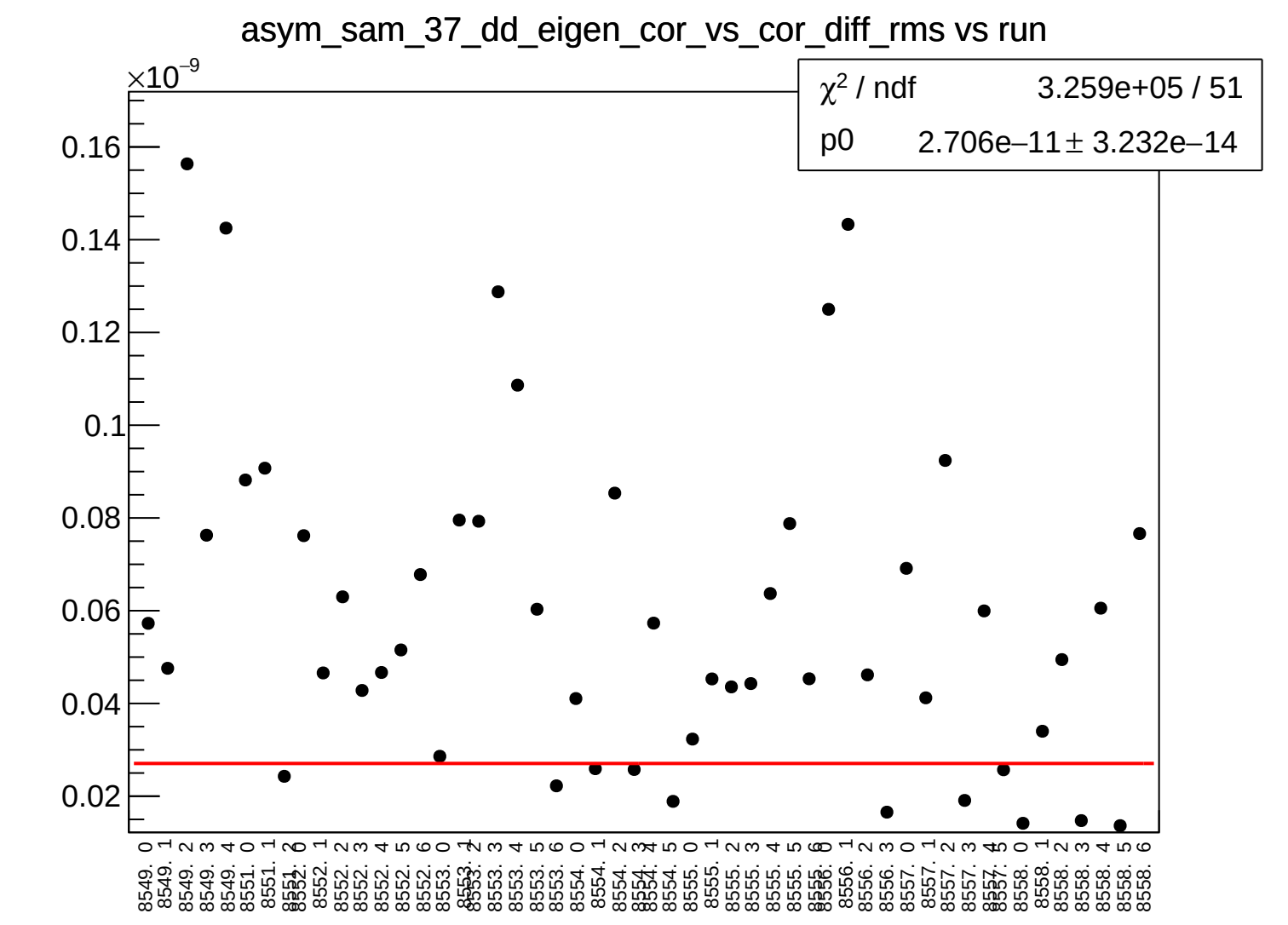
8558. 6


asym_sam_37_dd_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 62.94 / 51
p0 −1.449e−14 ± 4.571e−14
pull
Entries 52
Mean 37.13
Std Dev 0


pull1D
Entries 52
Mean −0.03444
Std Dev 1.1


asym_sam_37_dd_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 3.259e+05 / 51
p0 2.706e−11 ± 3.232e−14
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
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8554. 1
8554. 2
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8555. 0
8555. 1
8555. 2
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8556. 1
8556. 2
8556. 3
8557. 0
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8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
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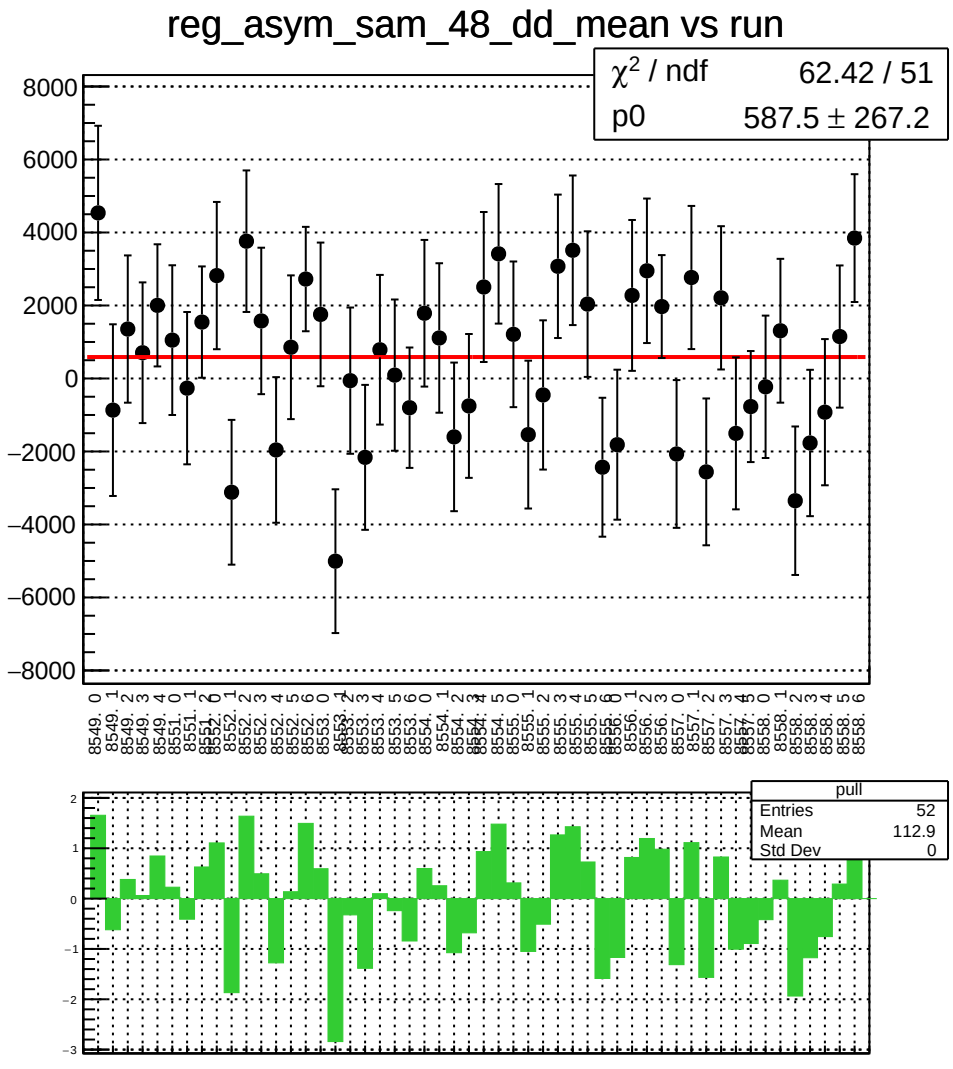
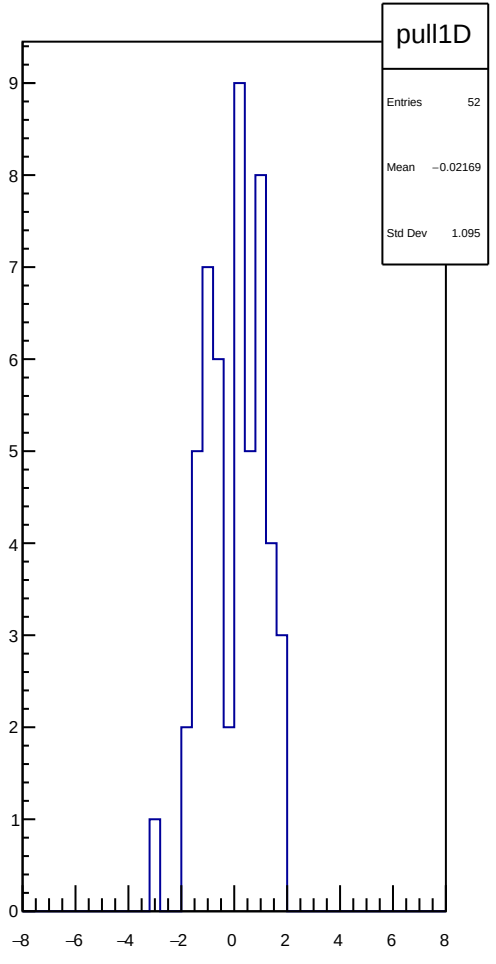
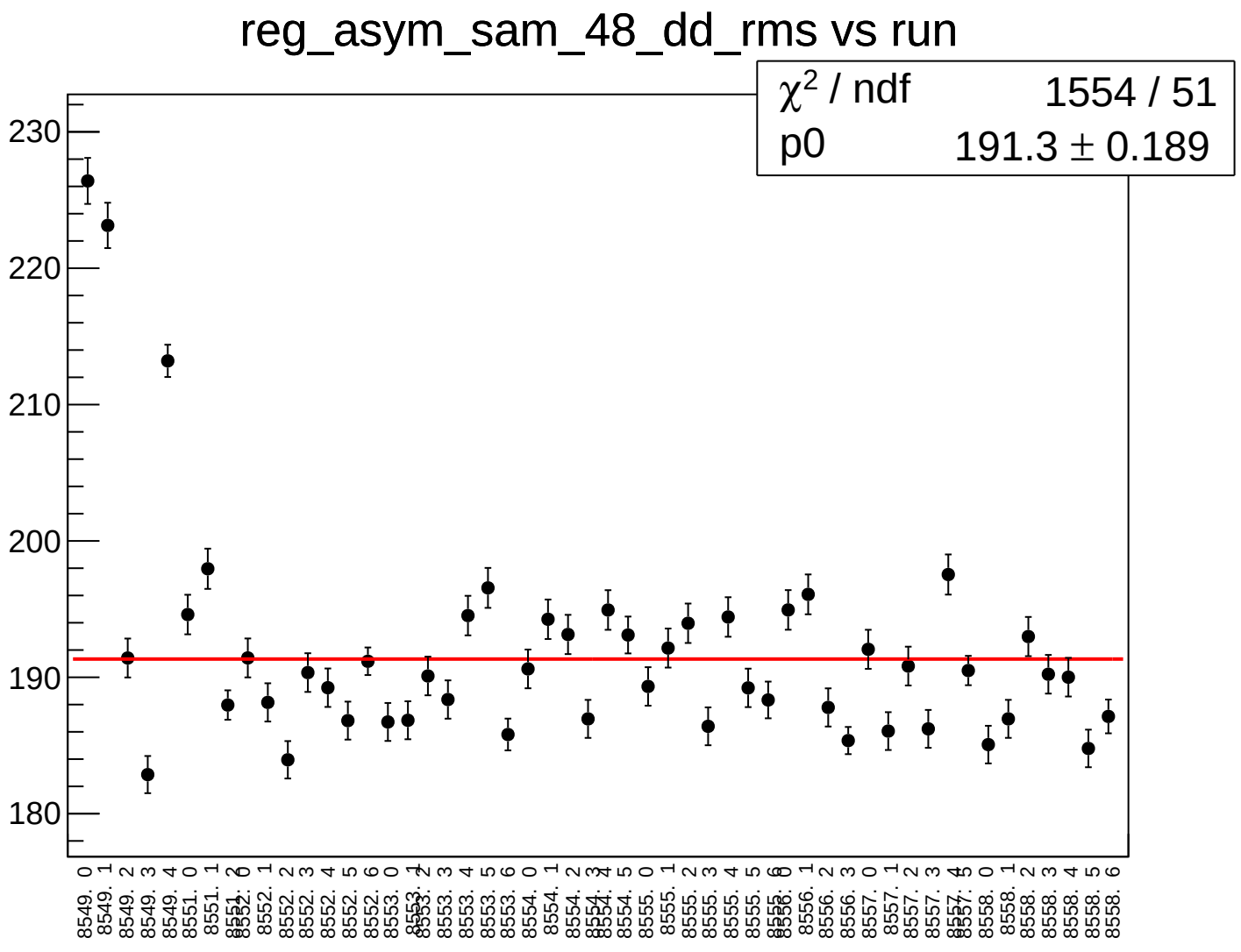
8558. 6


reg_asym_sam_48_dd_mean vs run
χ² / ndf 62.42 / 51
p0 587.5 ± 267.2
pull
Entries 52
Mean 112.9
Std Dev 0


pull1D
Entries 52
Mean −0.02169
Std Dev 1.095


reg_asym_sam_48_dd_rms vs run
χ² / ndf 1554 / 51
p0 191.3 ± 0.189
230
220
210
200
190
180
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 5
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
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8557. 3
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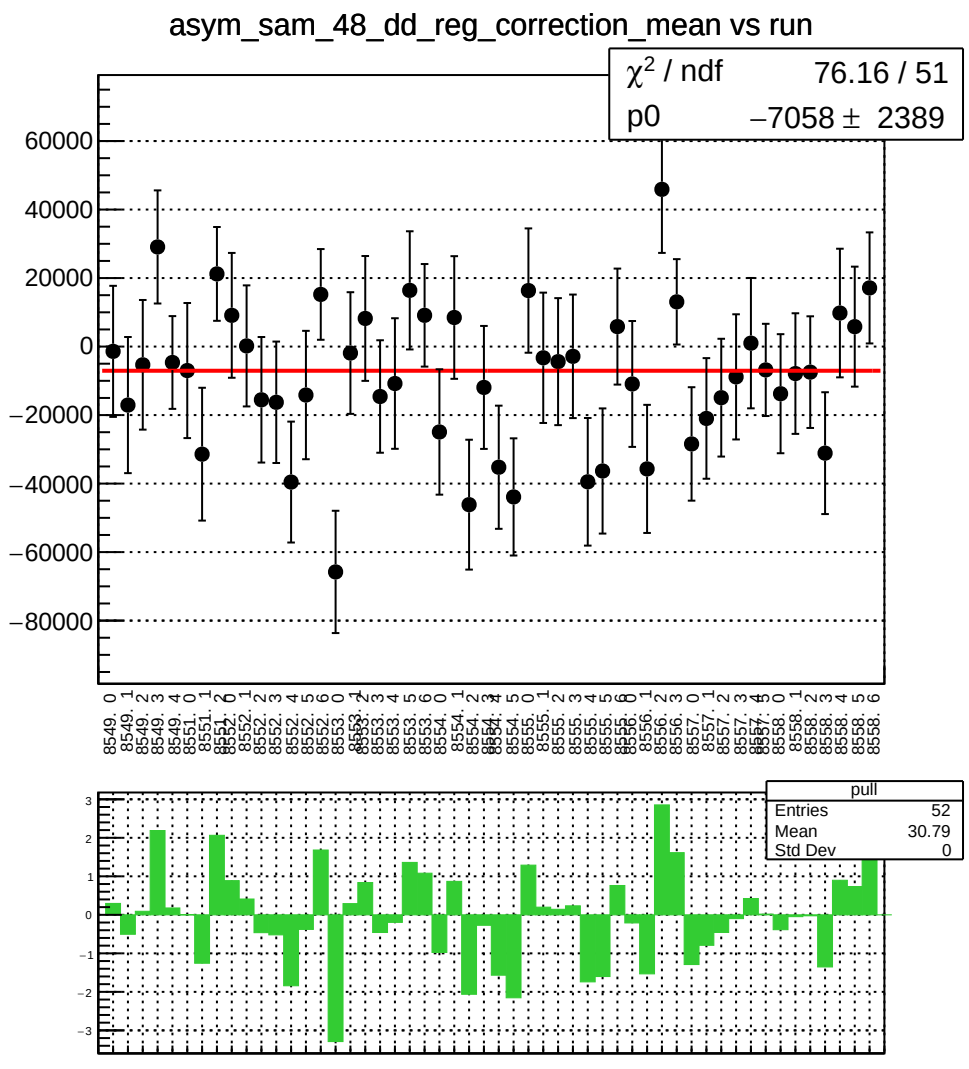
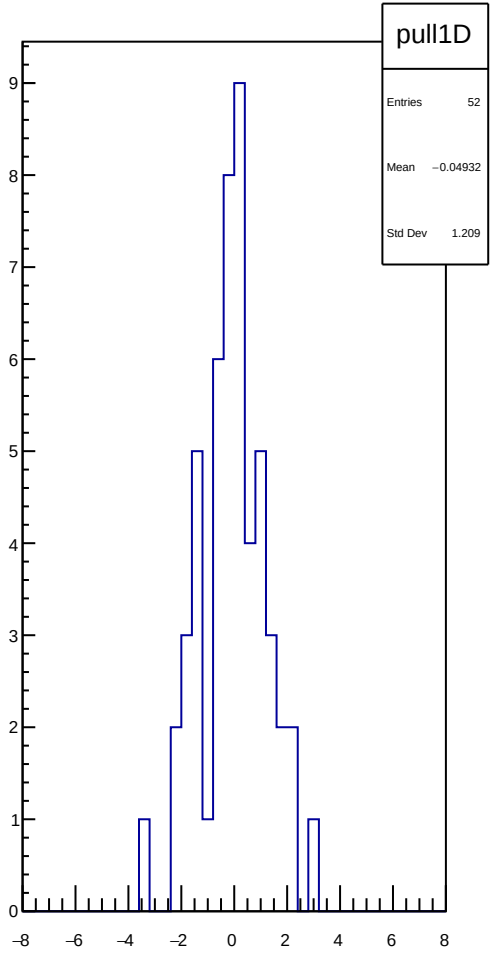
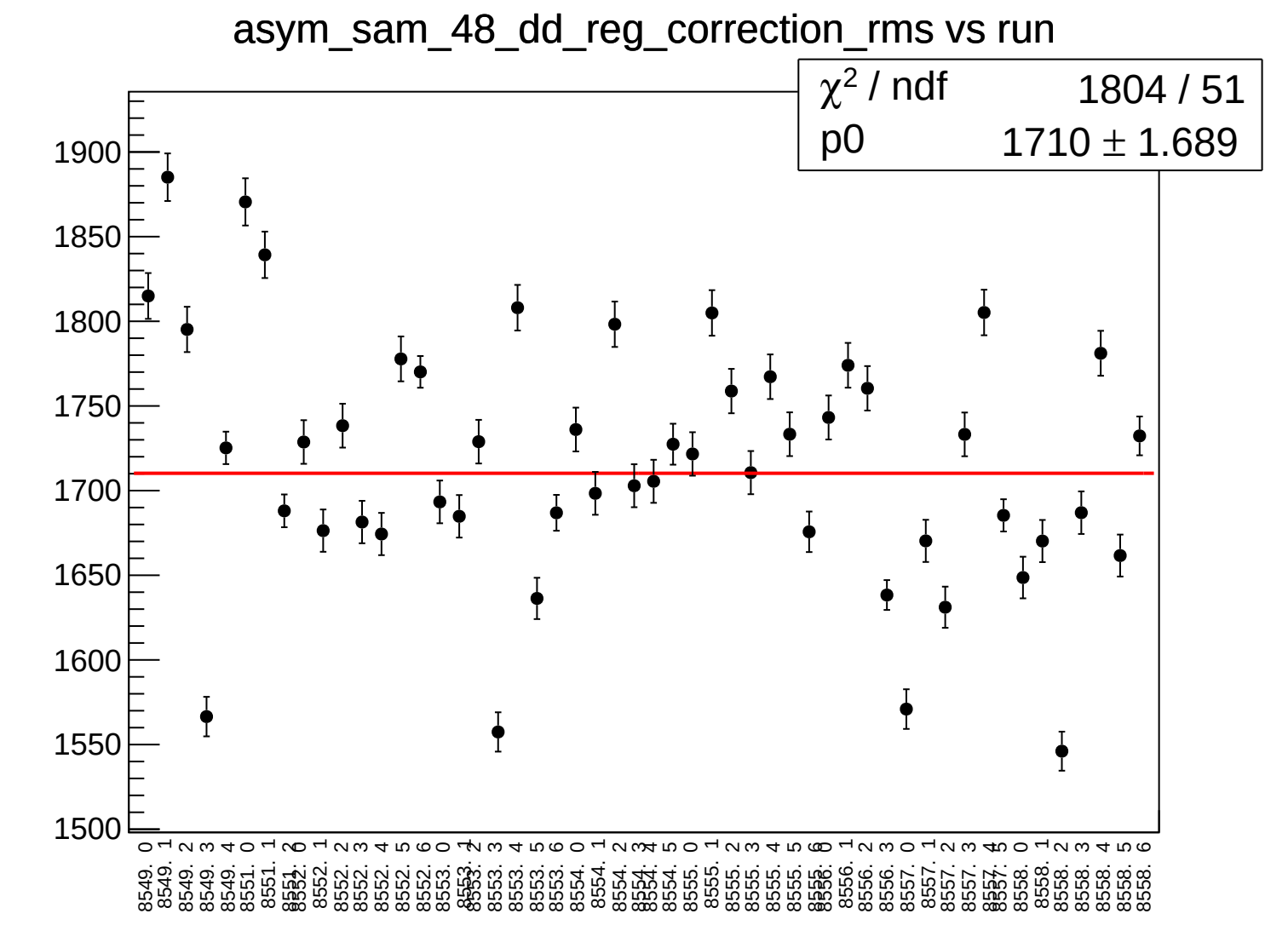
8558. 5
8558. 6


asym_sam_48_dd_reg_correction_mean vs run
χ² / ndf 76.16 / 51
p0 −7058 ± 2389
60000
40000
20000
0
−20000
−40000
−60000
−80000
pull
Entries 52
Mean 30.79
Std Dev 0
3
2
1
0
−1
−2
−3


pull1D
Entries 52
Mean −0.04932
Std Dev 1.209
9
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 1804 / 51
p0 1710 ± 1.689
1900
1850
1800
1750
1700
1650
1600
1550
1500
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
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8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
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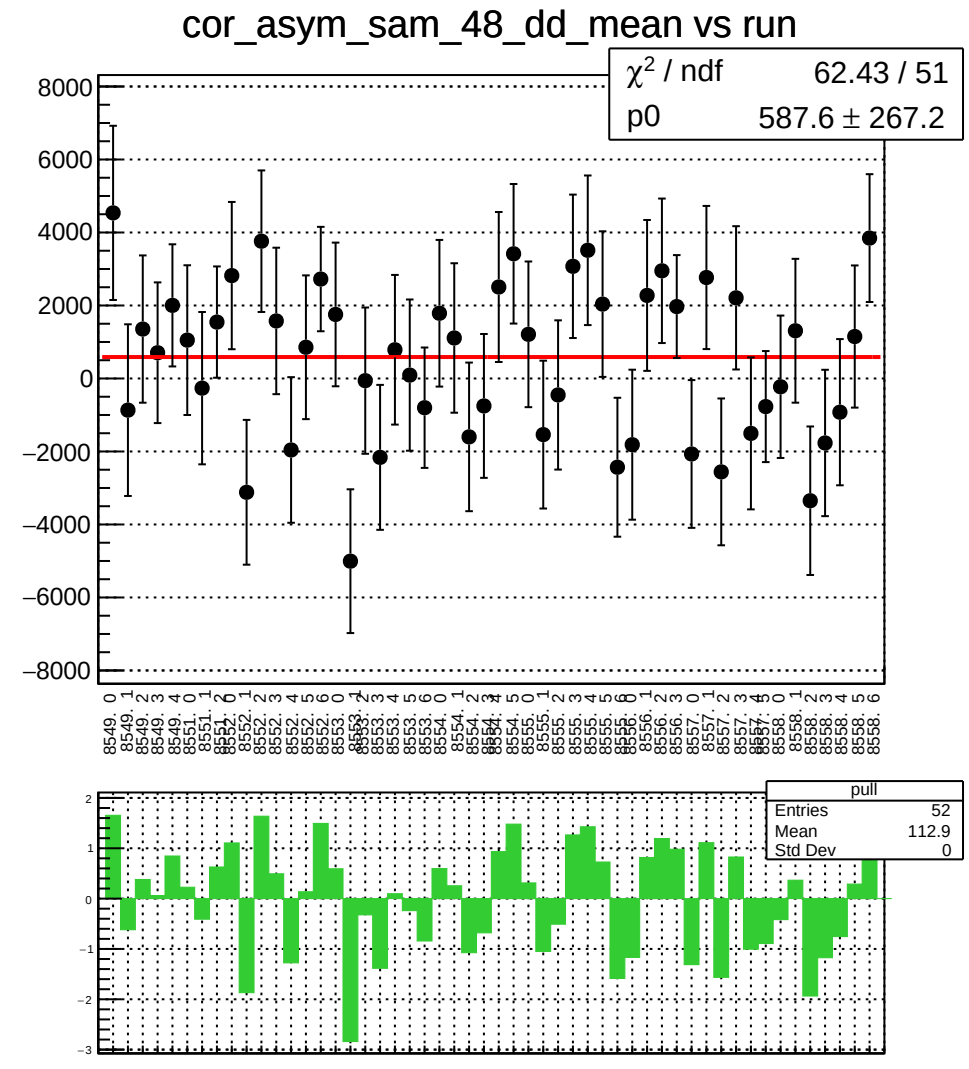
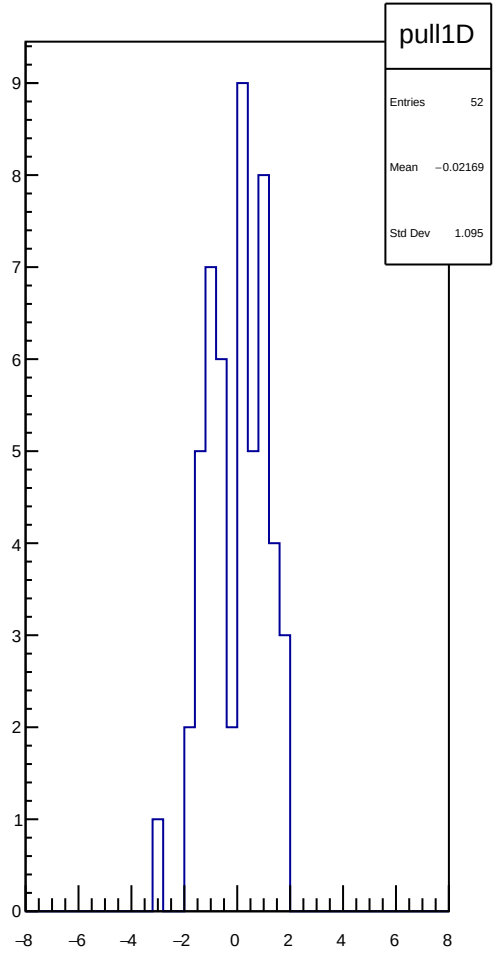
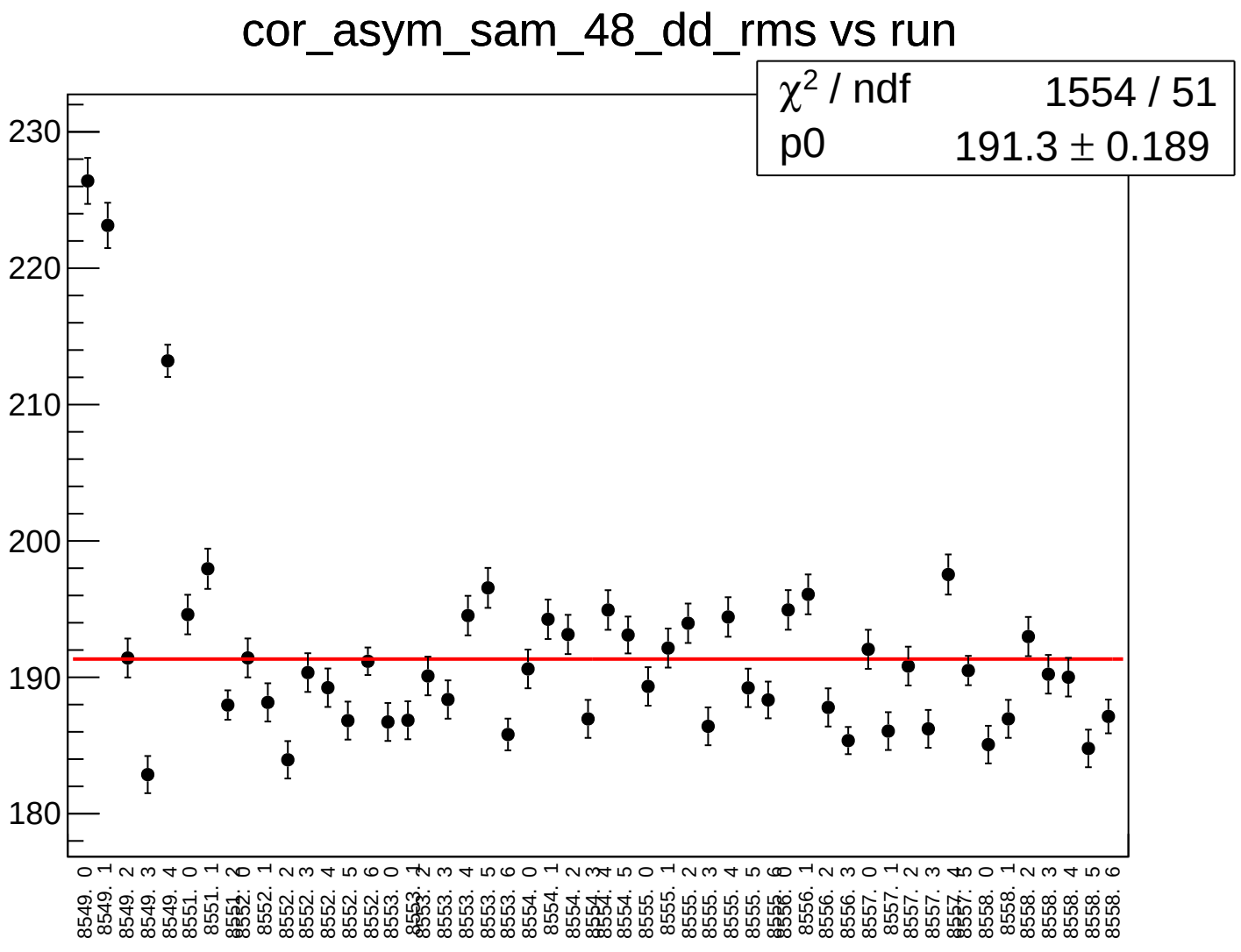
8558. 5
8558. 6


cor_asym_sam_48_dd_mean vs run
χ² / ndf 62.43 / 51
p0 587.6 ± 267.2
pull
Entries 52
Mean 112.9
Std Dev 0


pull1D
Entries 52
Mean −0.02169
Std Dev 1.095


cor_asym_sam_48_dd_rms vs run
χ² / ndf 1554 / 51
p0 191.3 ± 0.189
230
220
210
200
190
180
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
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8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 5
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
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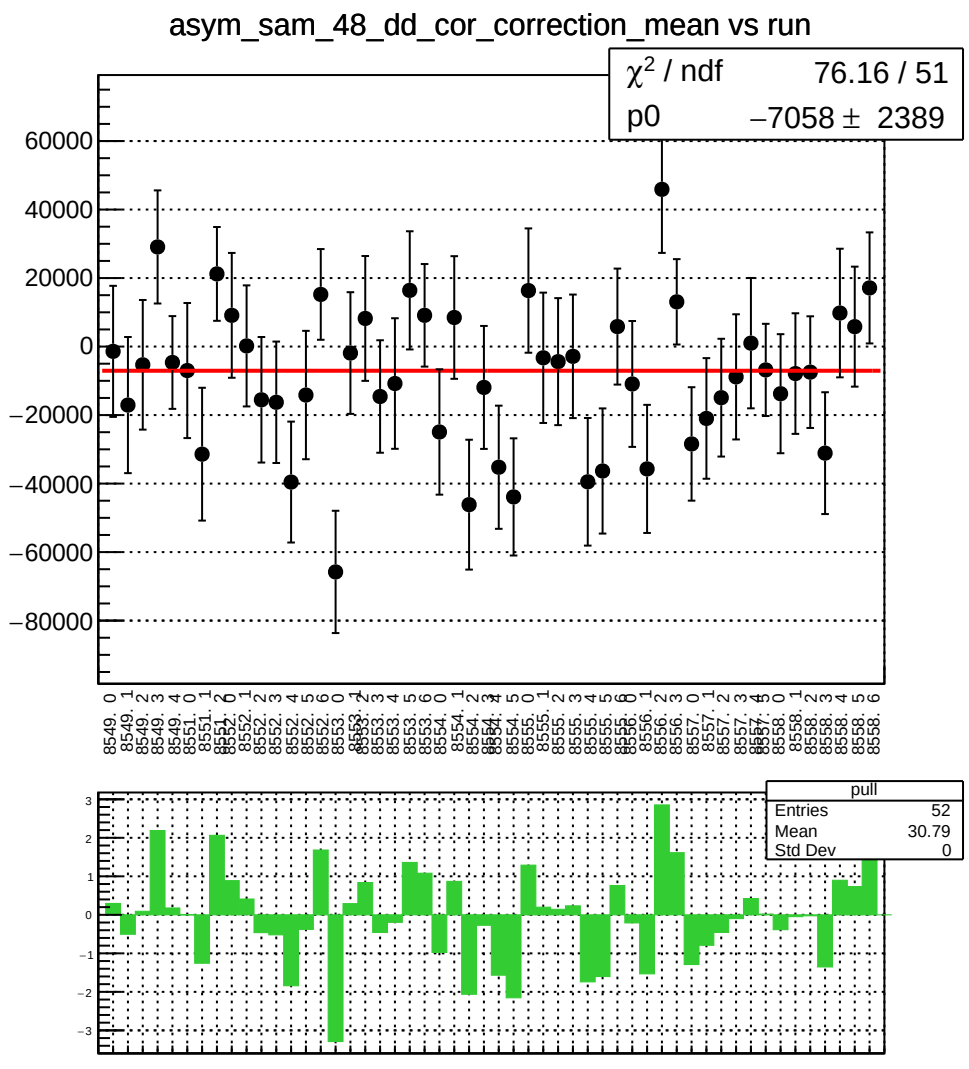
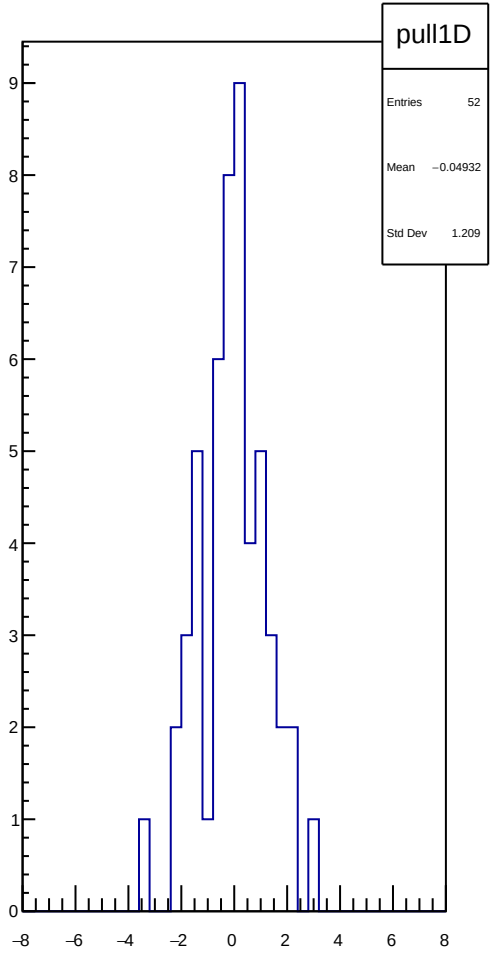
8558. 5
8558. 6


asym_sam_48_dd_cor_correction_mean vs run
χ² / ndf 76.16 / 51
p0 −7058 ± 2389
60000
40000
20000
0
−20000
−40000
−60000
−80000
pull
Entries 52
Mean 30.79
Std Dev 0
3
2
1
0
−1
−2
−3


pull1D
Entries 52
Mean −0.04932
Std Dev 1.209
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4
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−8
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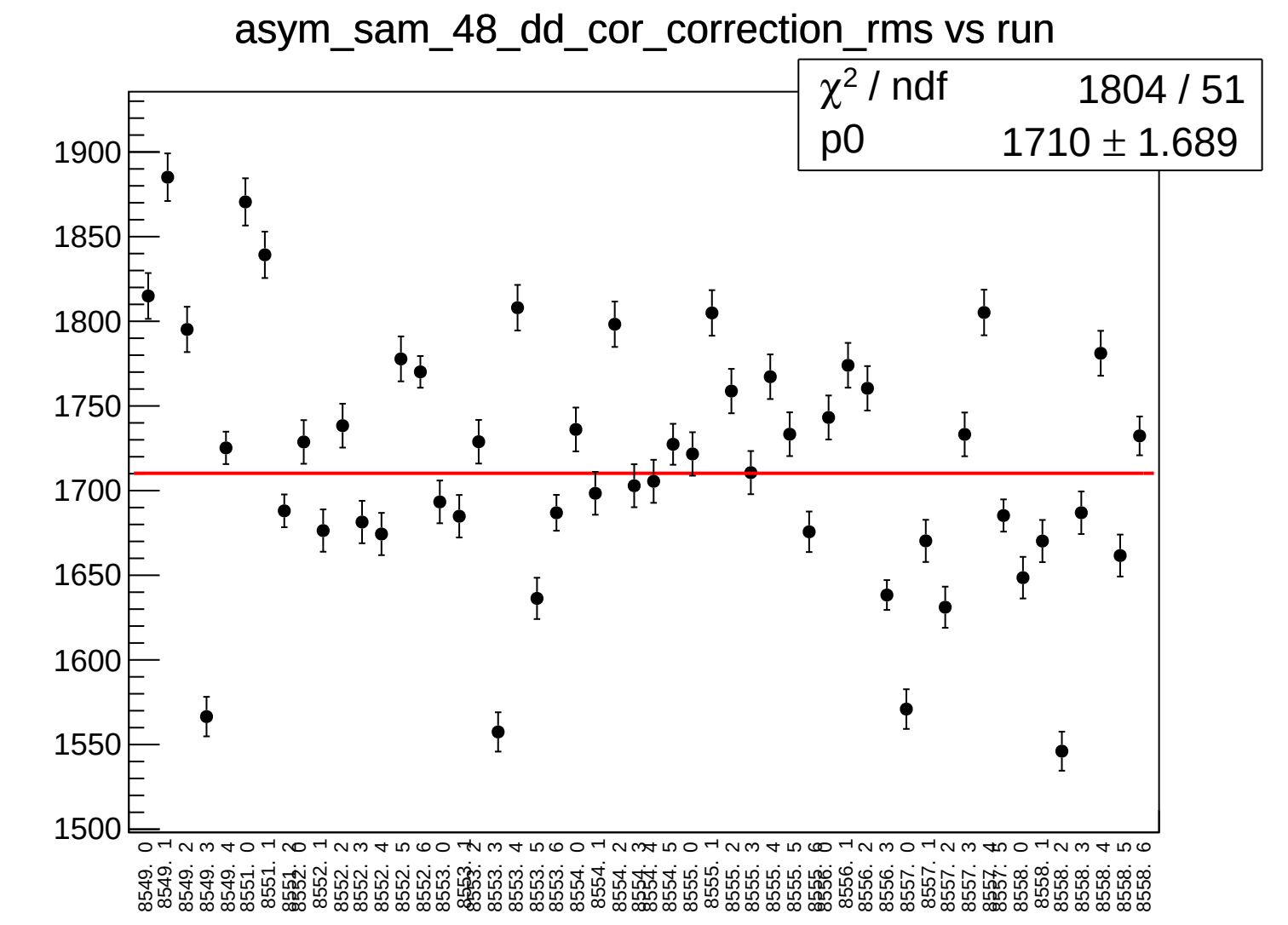
asym_sam_48_dd_cor_correction_rms vs run
χ² / ndf 1804 / 51
p0 1710 ± 1.689
1900
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8549. 0
8549. 1
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8551. 0
8551. 1
8552. 1
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8552. 5
8552. 6
8553. 0
8553. 3
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8554. 0
8554. 1
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8555. 0
8555. 1
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8556. 1
8556. 2
8556. 3
8557. 0
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8557. 3
8558. 0
8558. 1
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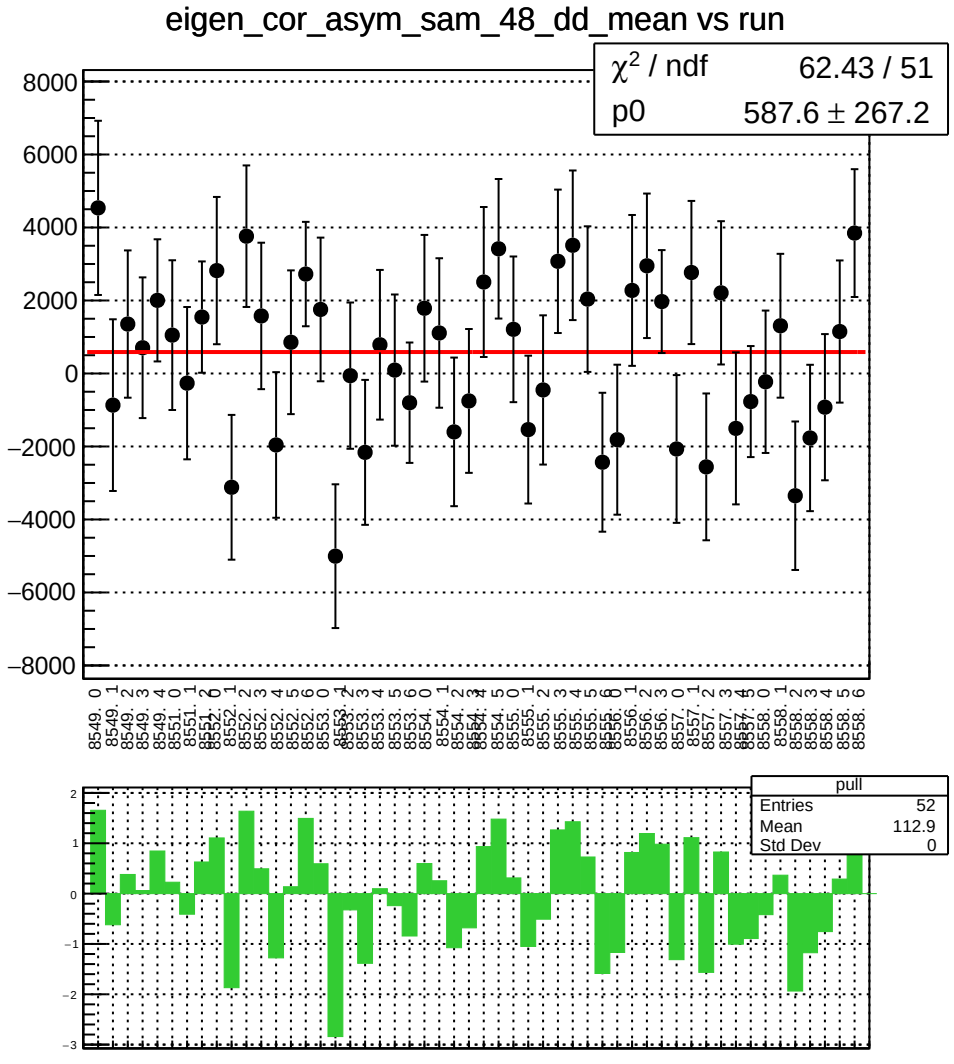
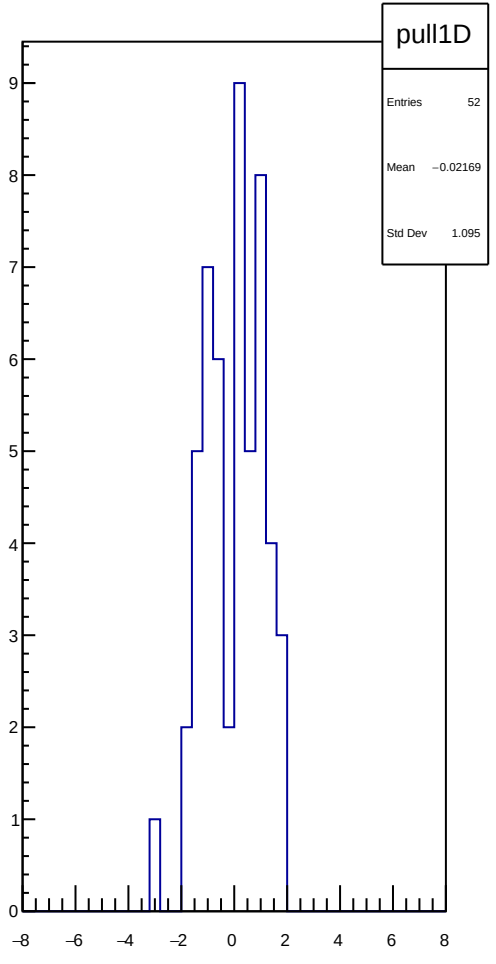
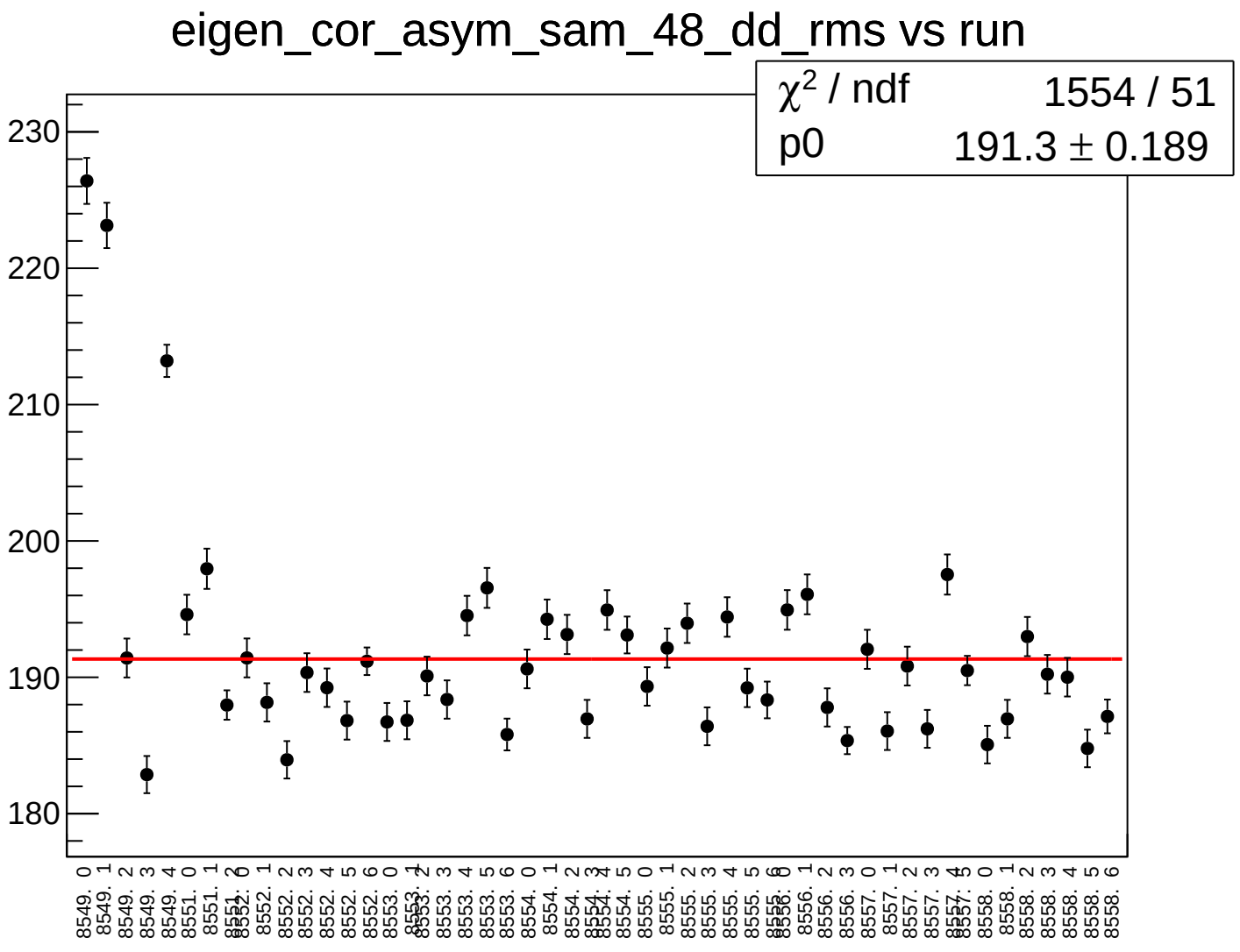

eigen_cor_asym_sam_48_dd_mean vs run
χ² / ndf 62.43 / 51
p0 587.6 ± 267.2
pull
Entries 52
Mean 112.9
Std Dev 0


pull1D
Entries 52
Mean −0.02169
Std Dev 1.095


eigen_cor_asym_sam_48_dd_rms vs run
χ² / ndf 1554 / 51
p0 191.3 ± 0.189
230
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8549. 0
8549. 1
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8549. 3
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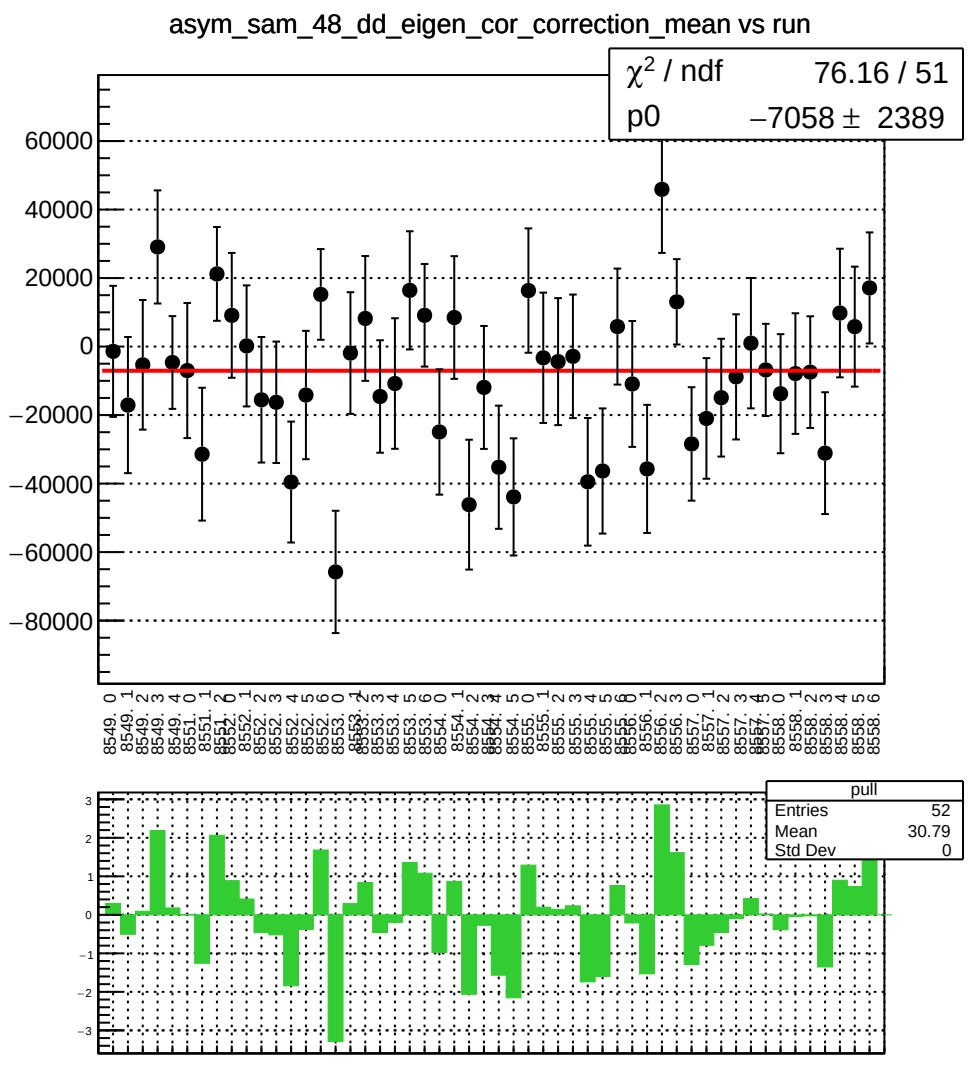
8558. 6


asym_sam_48_dd_eigen_cor_correction_mean vs run
χ² / ndf 76.16 / 51
p0 −7058 ± 2389
60000
40000
20000
0
−20000
−40000
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−80000
pull
Entries 52
Mean 30.79
Std Dev 0
3
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−1
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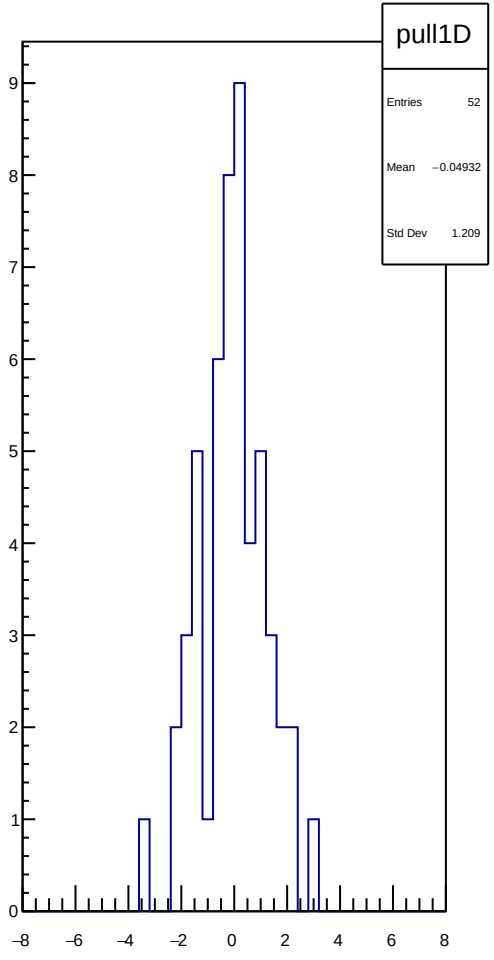
pull1D
Entries 52
Mean −0.04932
Std Dev 1.209
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−2
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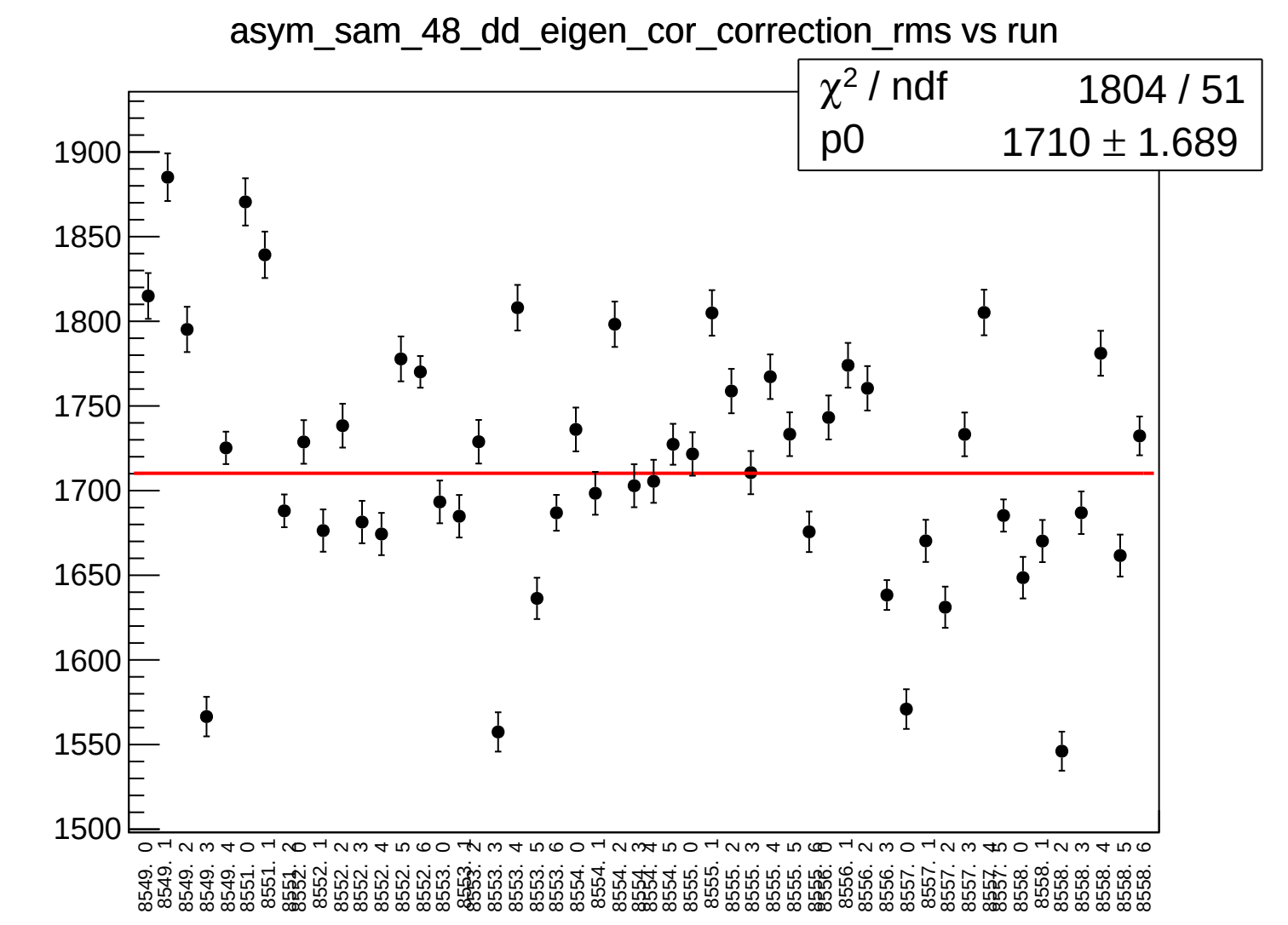
asym_sam_48_dd_eigen_cor_correction_rms vs run
χ^2 / ndf 1804 / 51
p0 1710 ± 1.689
1900
1850
1800
1750
1700
1650
1600
1550
1500
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
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8557. 3
8558. 0
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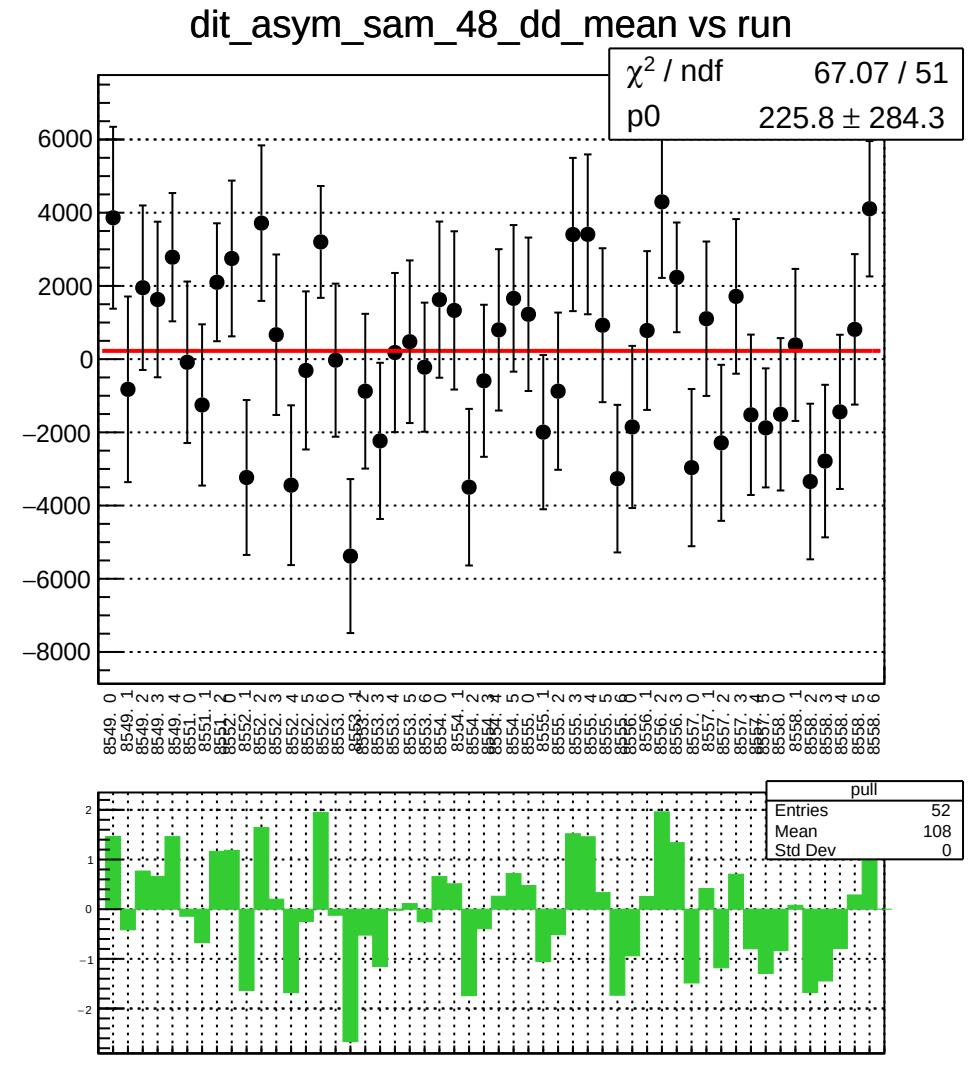
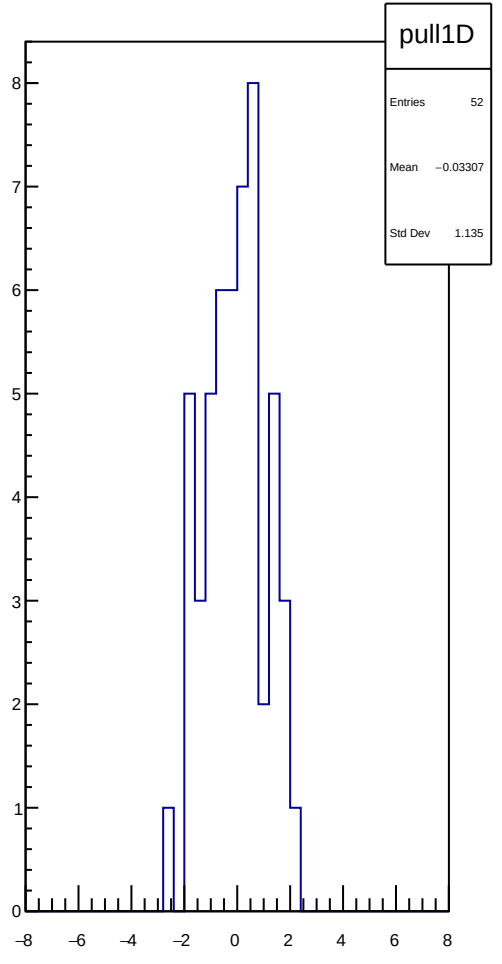
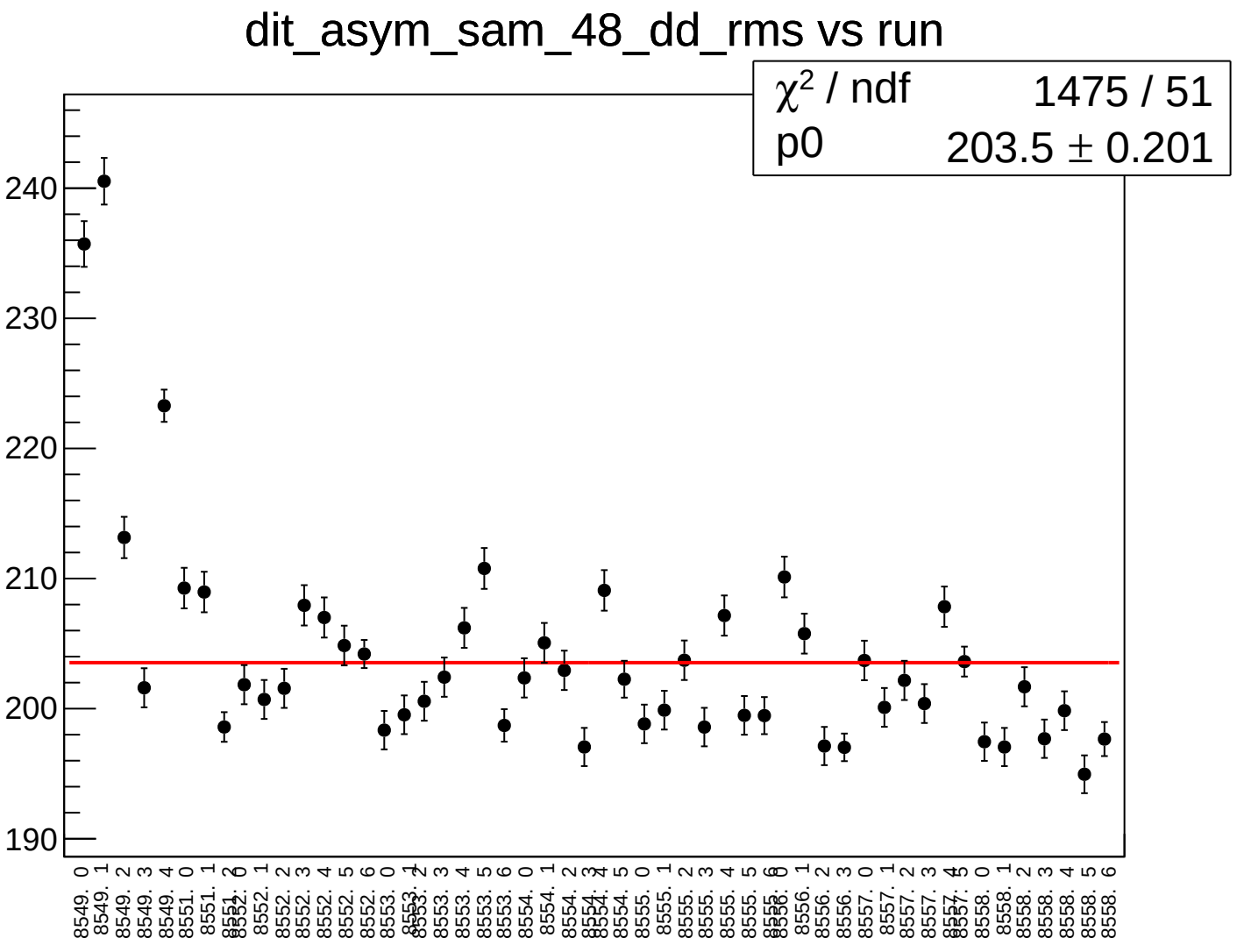
8558. 6


dit_asym_sam_48_dd_mean vs run
χ² / ndf 67.07 / 51
p0 225.8 ± 284.3
pull
Entries 52
Mean 108
Std Dev 0


pull1D
Entries 52
Mean −0.03307
Std Dev 1.135


dit_asym_sam_48_dd_rms vs run
χ² / ndf 1475 / 51
p0 203.5 ± 0.201
240
230
220
210
200
190
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
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8553. 3
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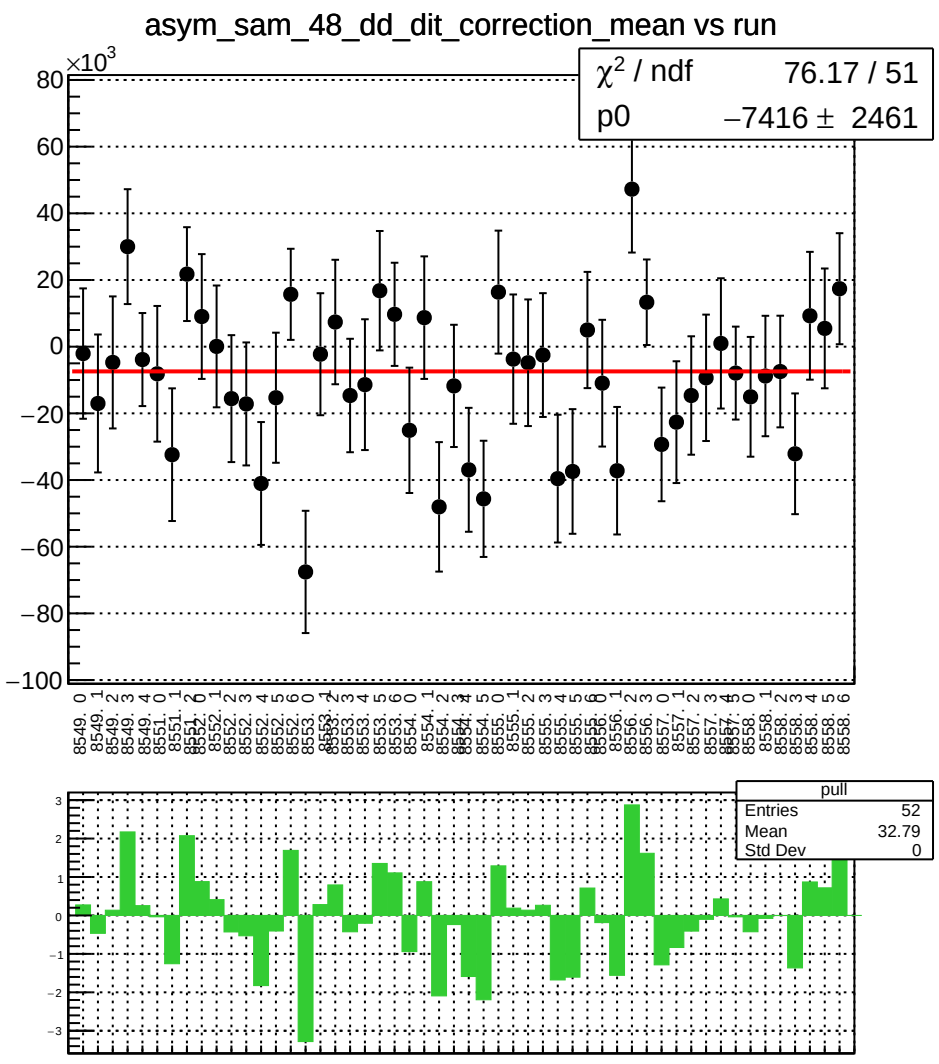
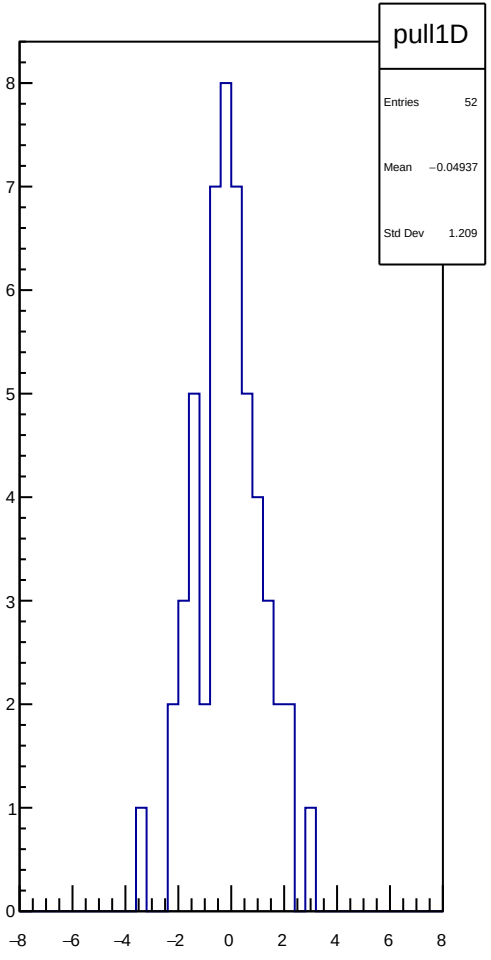
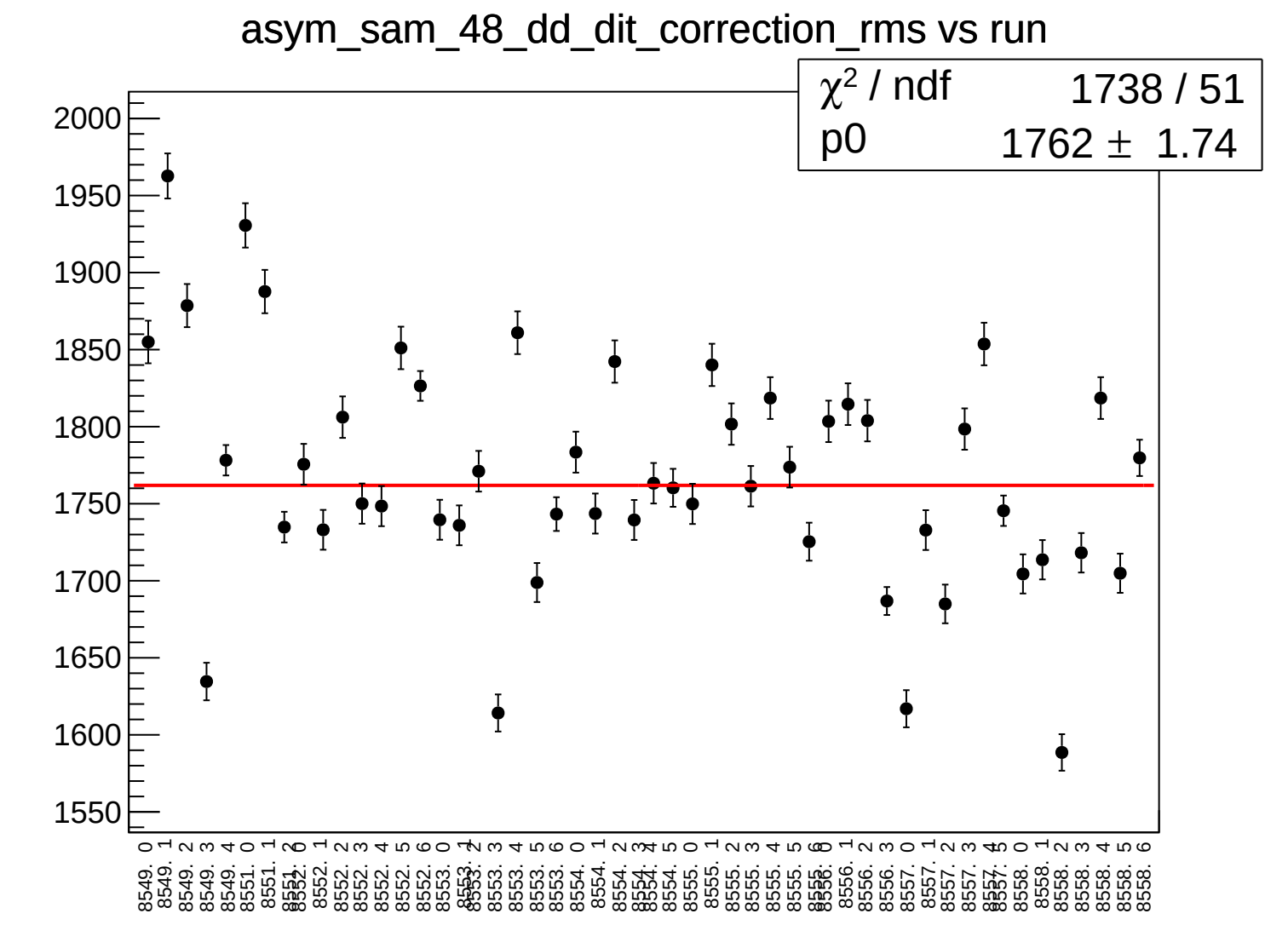
8558. 6


asym_sam_48_dd_dit_correction_mean vs run
χ² / ndf 76.17 / 51
p0 −7416 ± 2461
pull
Entries 52
Mean 32.79
Std Dev 0


pull1D
Entries 52
Mean −0.04937
Std Dev 1.209


asym_sam_48_dd_dit_correction_rms vs run
χ² / ndf 1738 / 51
p0 1762 ± 1.74
2000
1950
1900
1850
1800
1750
1700
1650
1600
1550
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
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8552. 2
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8558. 3
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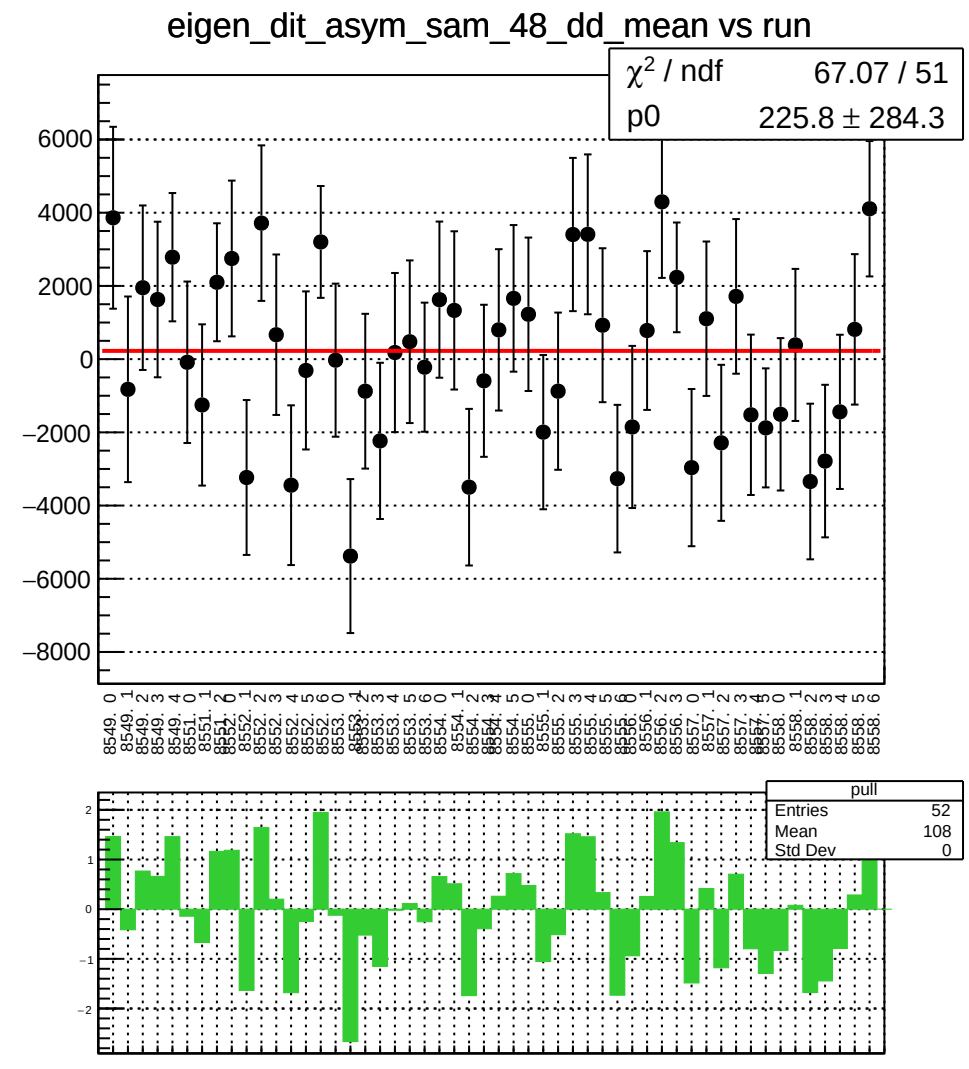
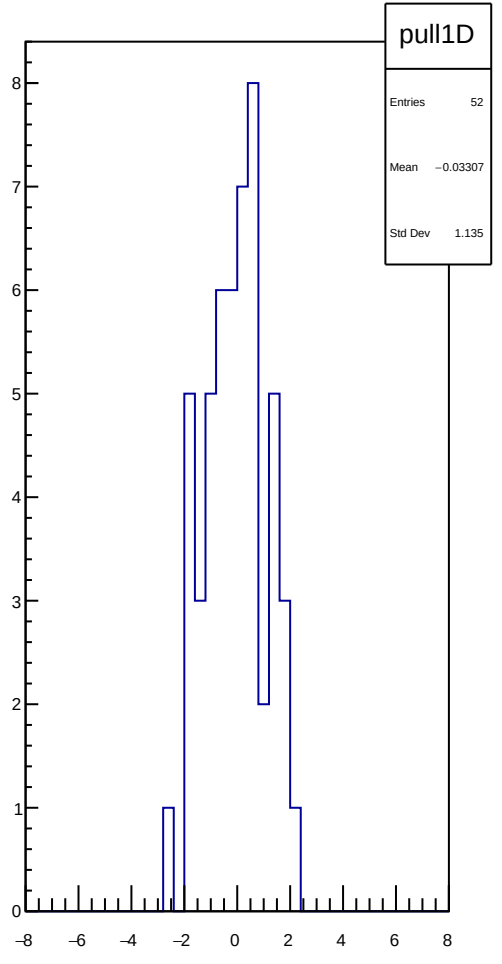
8558. 5
8558. 6


eigen_dit_asym_sam_48_dd_mean vs run
χ² / ndf 67.07 / 51
p0 225.8 ± 284.3
6000
4000
2000
0
−2000
−4000
−6000
−8000
pull
Entries 52
Mean 108
Std Dev 0
2
1
0
−1
−2


pull1D
Entries 52
Mean −0.03307
Std Dev 1.135
8
7
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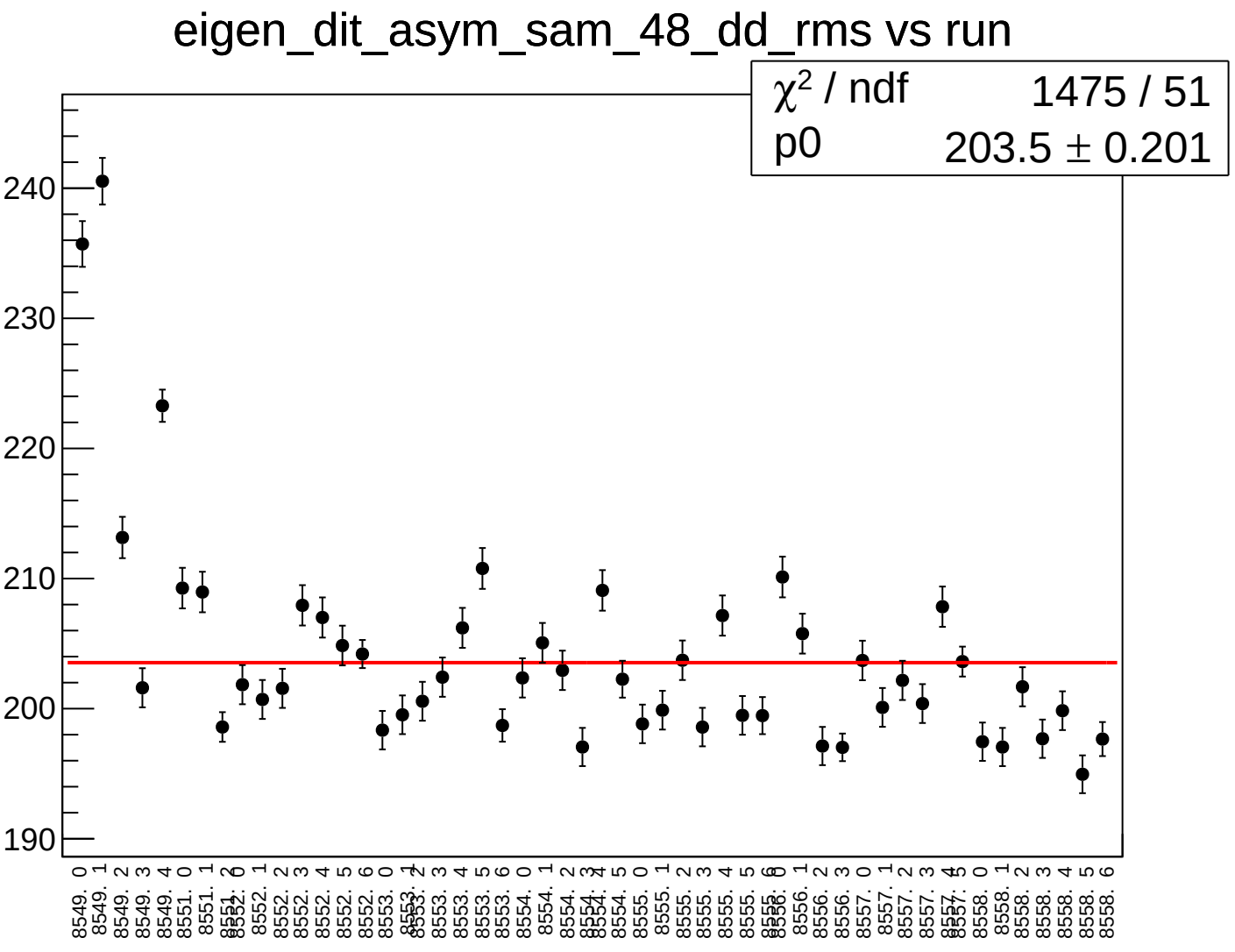
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


eigen_dit_asym_sam_48_dd_rms vs run
χ² / ndf 1475 / 51
p0 203.5 ± 0.201
240
230
220
210
200
190
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
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8554. 1
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8554. 5
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8555. 1
8555. 2
8555. 3
8555. 4
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8556. 1
8556. 2
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8557. 0
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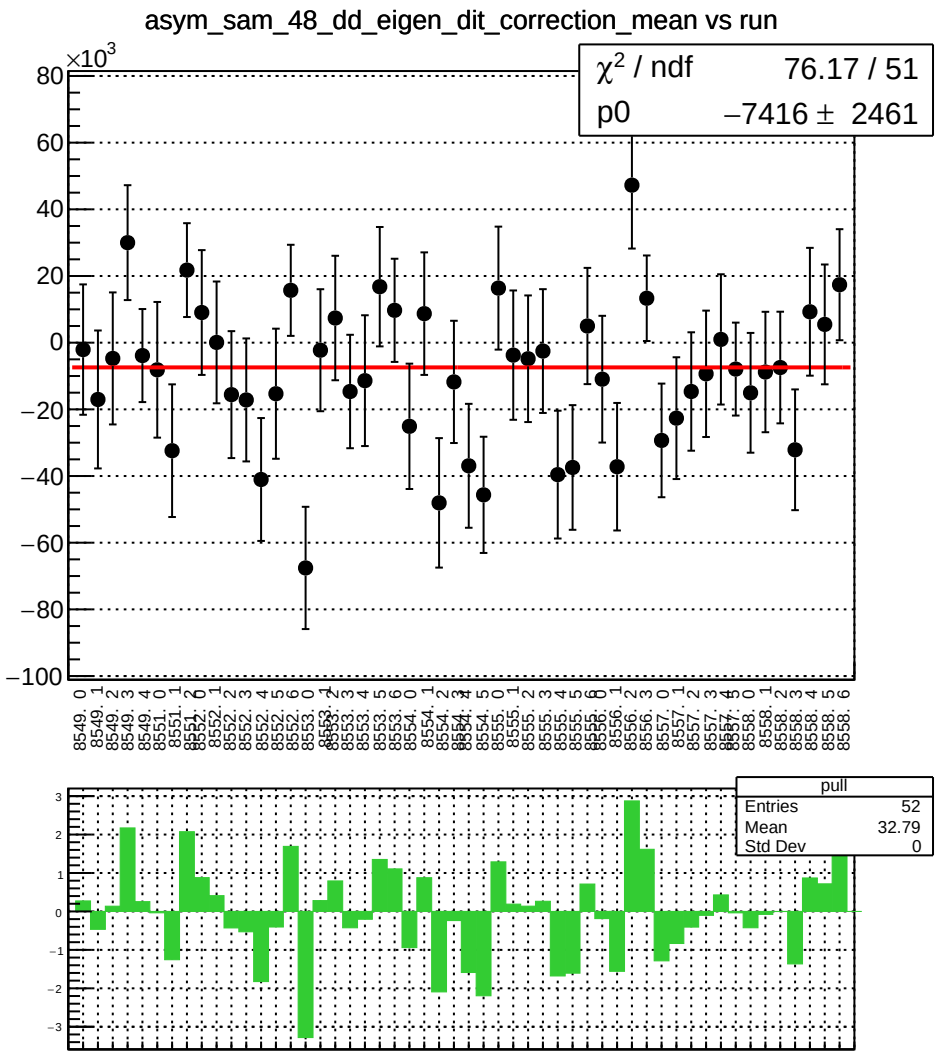
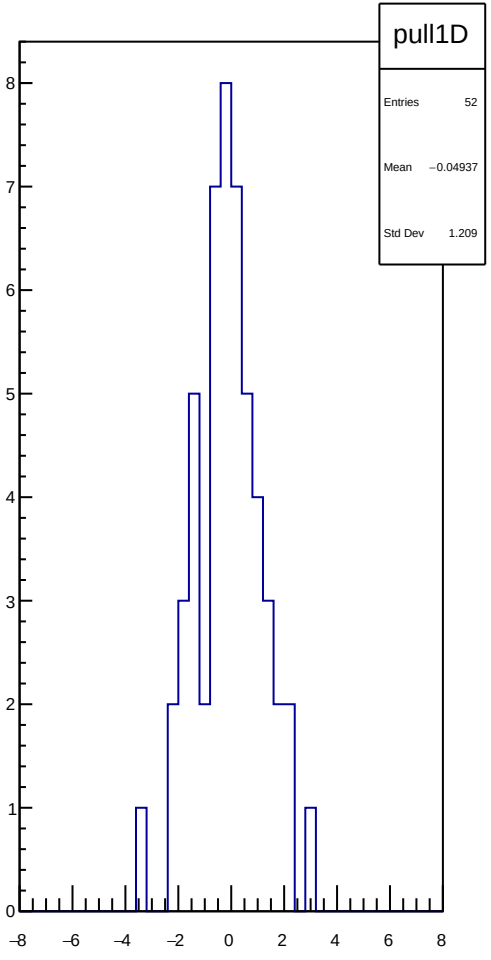
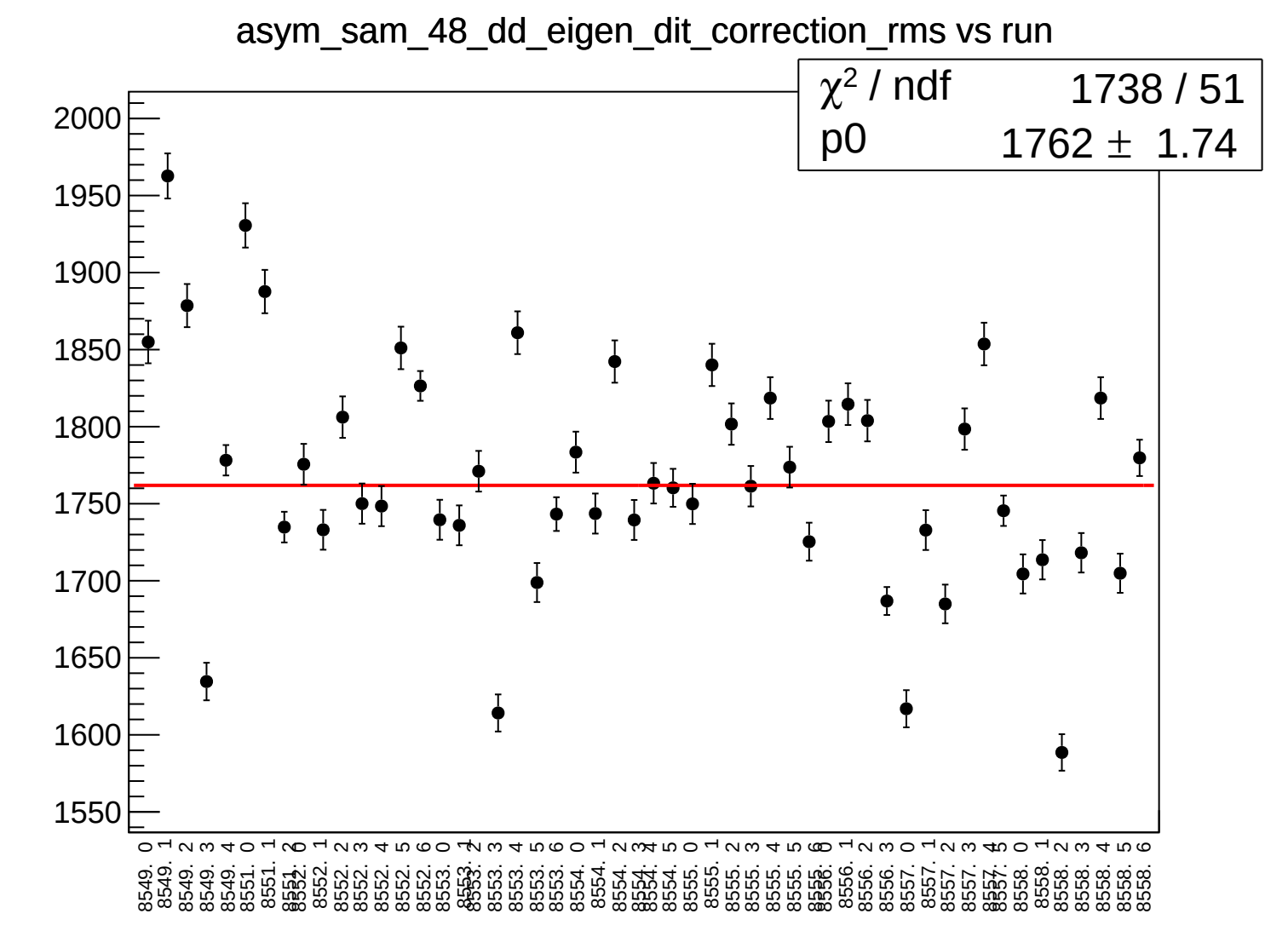
8558. 6


asym_sam_48_dd_eigen_dit_correction_mean vs run
χ² / ndf 76.17 / 51
p0 −7416 ± 2461
×10³
pull
Entries 52
Mean 32.79
Std Dev 0


pull1D
Entries 52
Mean −0.04937
Std Dev 1.209


asym_sam_48_dd_eigen_dit_correction_rms vs run
χ² / ndf 1738 / 51
p0 1762 ± 1.74
2000
1950
1900
1850
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1750
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1650
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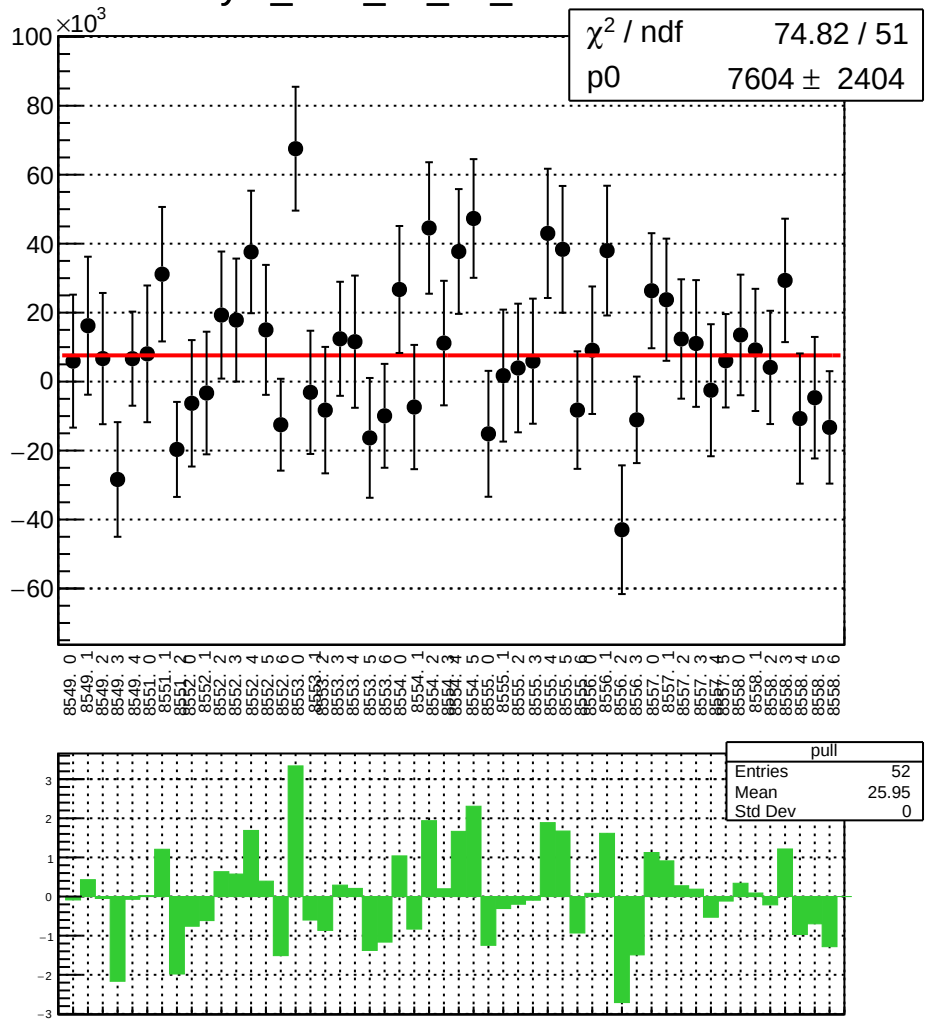
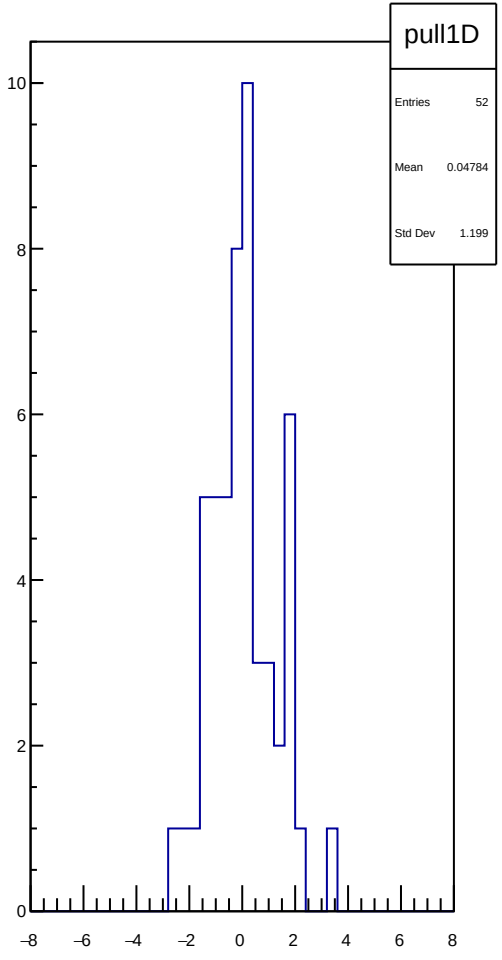
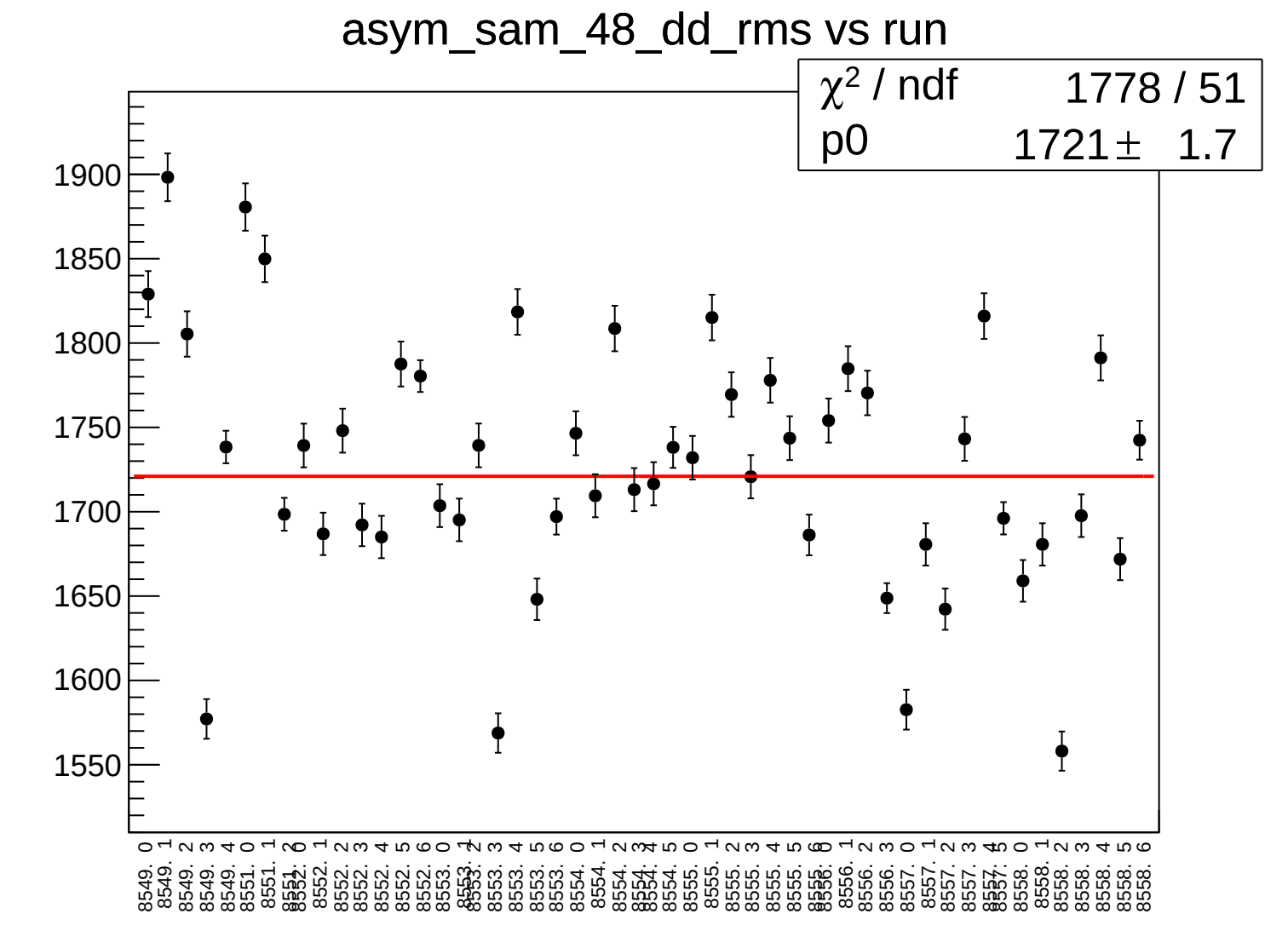
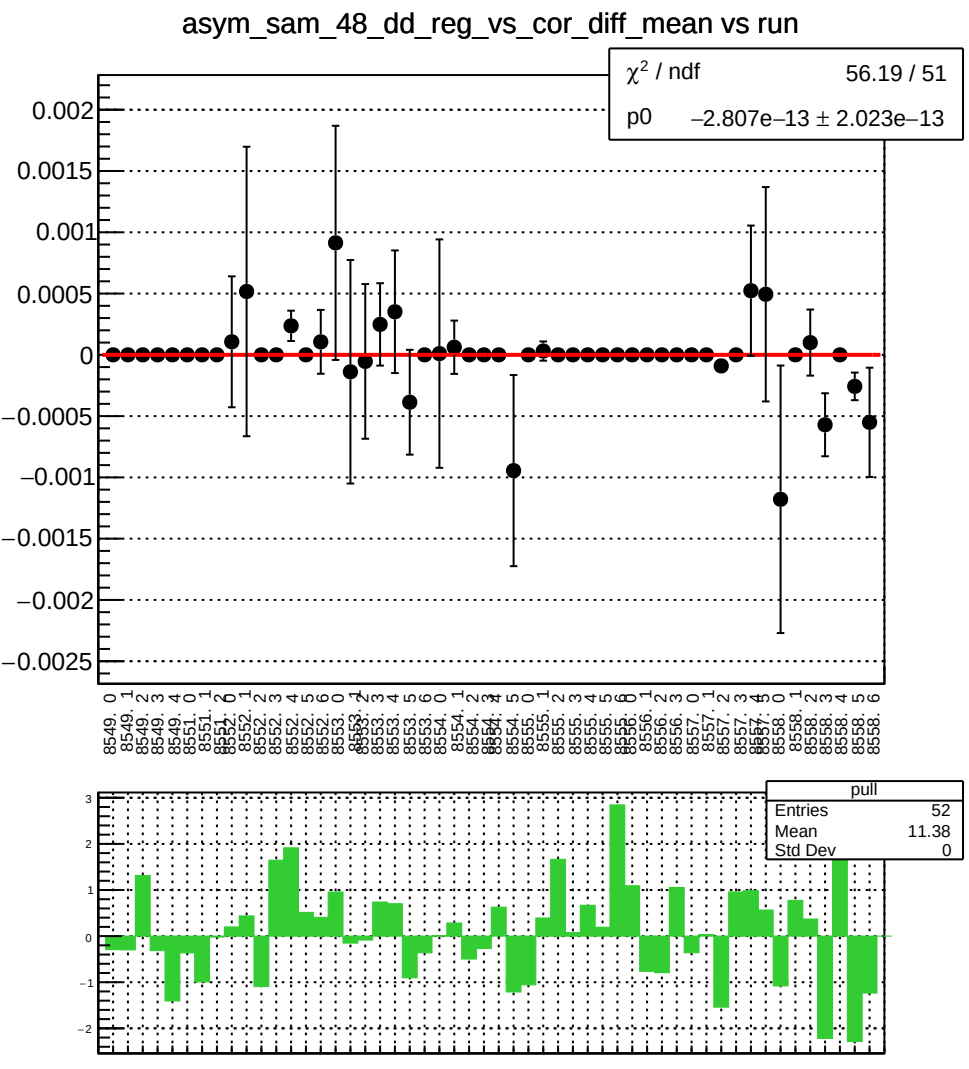
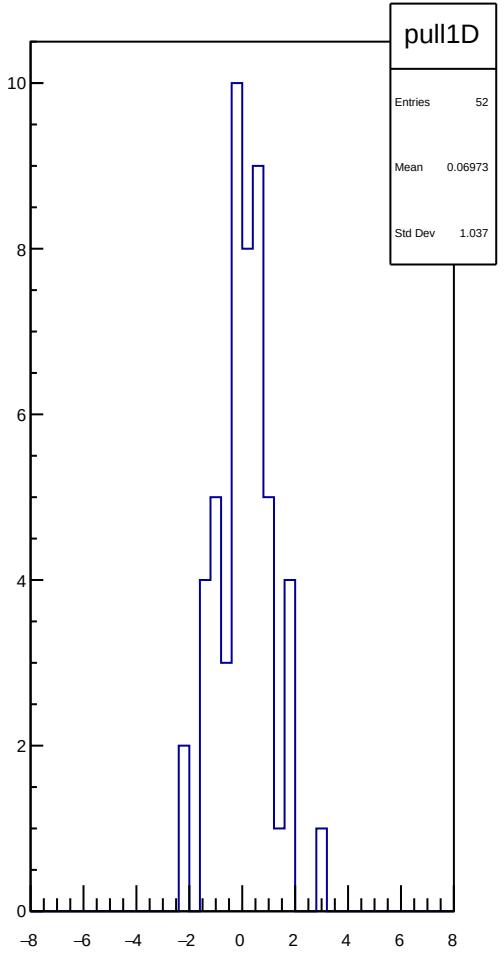
1550
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

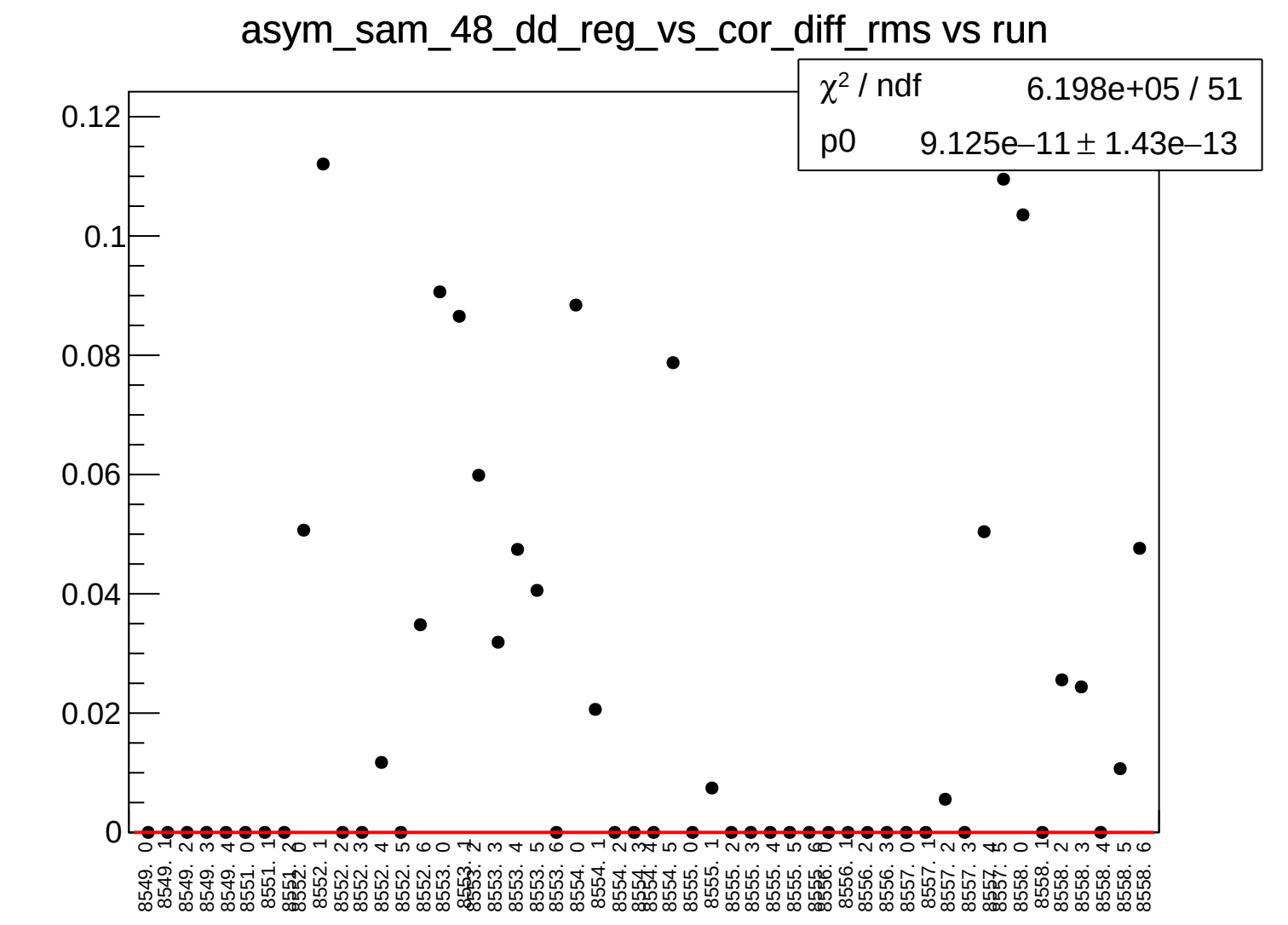

asym_sam_48_dd_mean vs run
χ² / ndf 74.82 / 51
p0 7604 ± 2404
×10³
pull
Entries 52
Mean 25.95
Std Dev 0

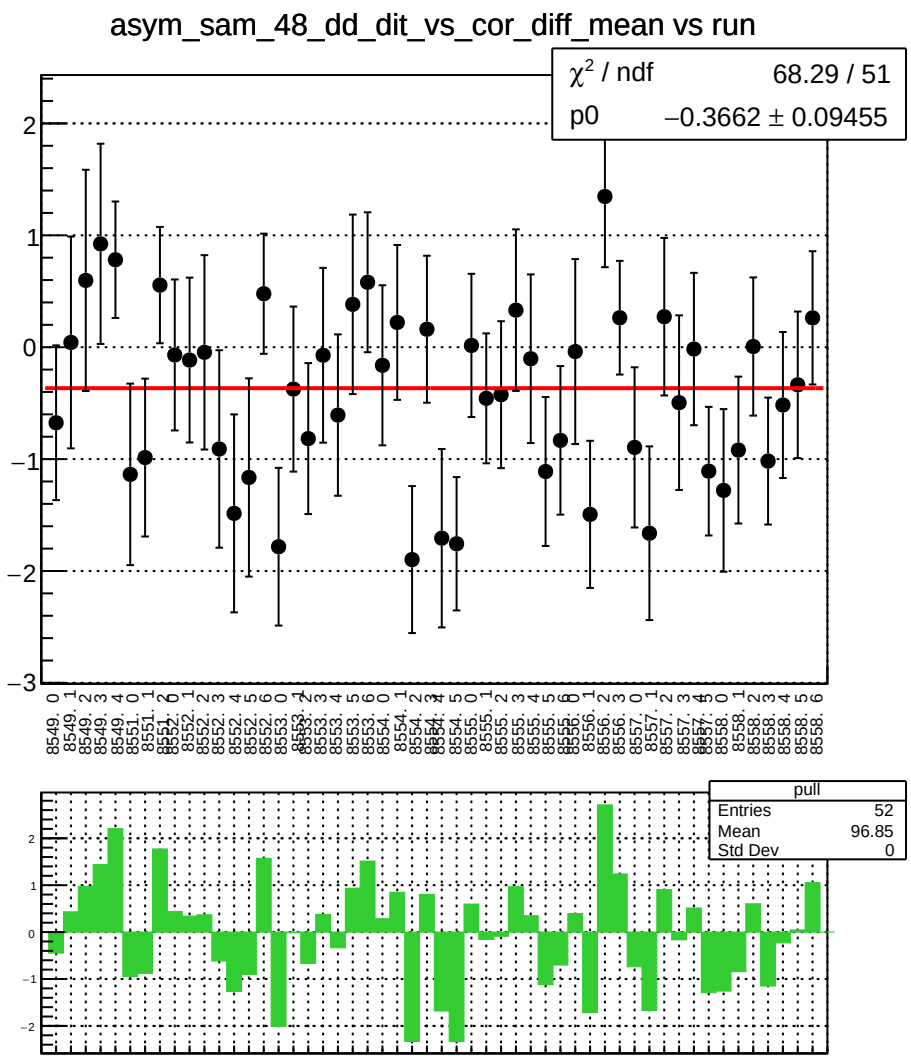

pull1D
Entries 52
Mean 0.04784
Std Dev 1.199

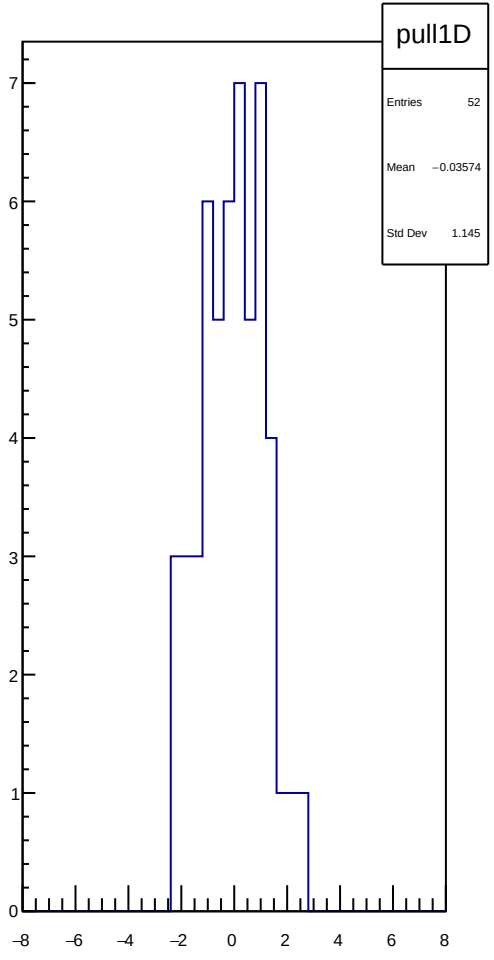

asym_sam_48_dd_rms vs run
χ² / ndf 1778 / 51
p0 1721 ± 1.7
1900
1850
1800
1750
1700
1650
1600
1550
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 5
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

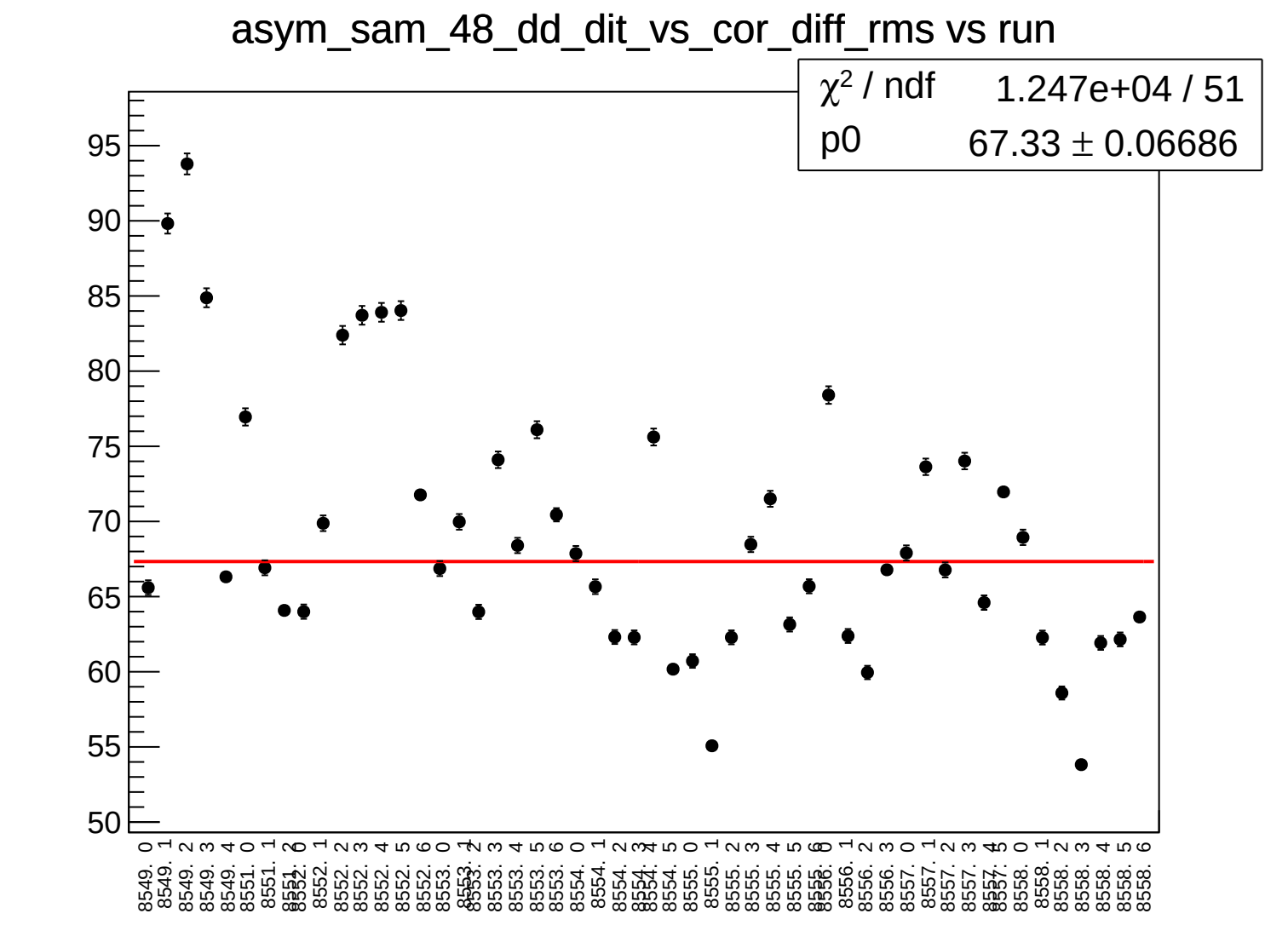

asym_sam_48_dd_reg_vs_cor_diff_mean vs run
χ² / ndf 56.19 / 51
p0 −2.807e−13 ± 2.023e−13
pull
Entries 52
Mean 11.38
Std Dev 0

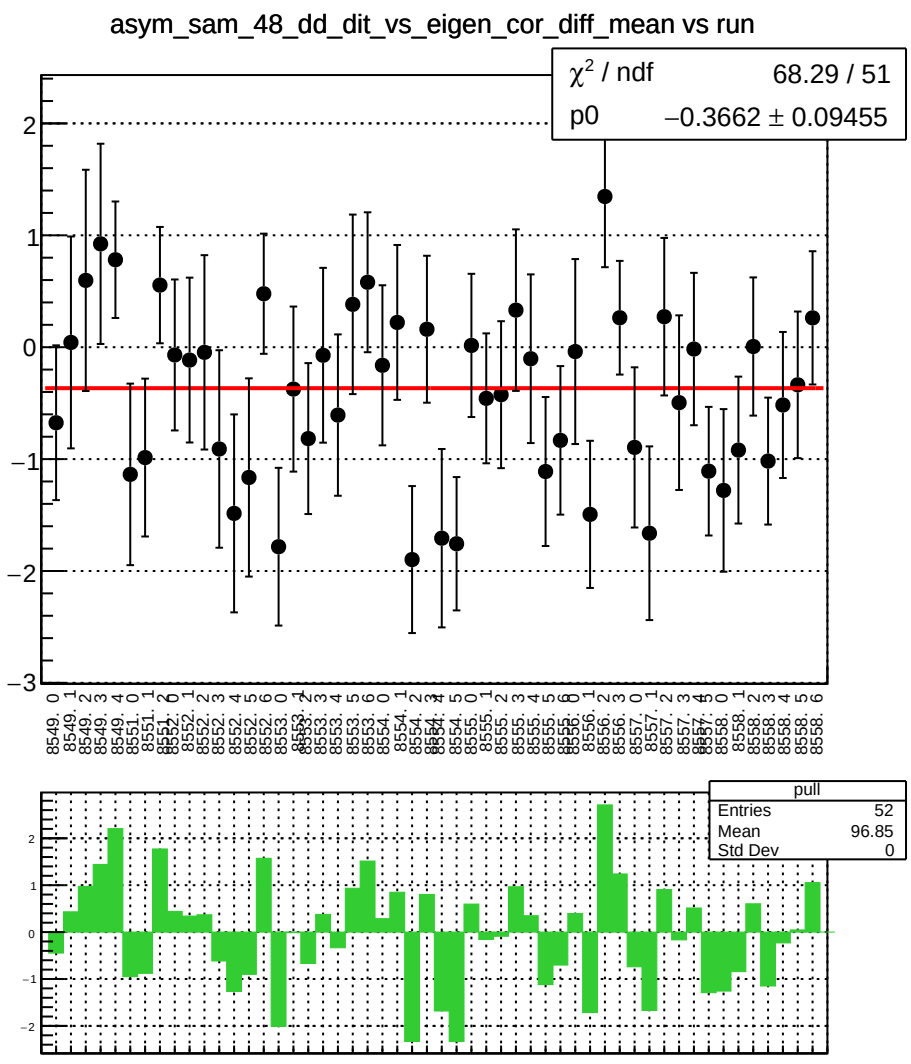

pull1D
Entries 52
Mean 0.06973
Std Dev 1.037

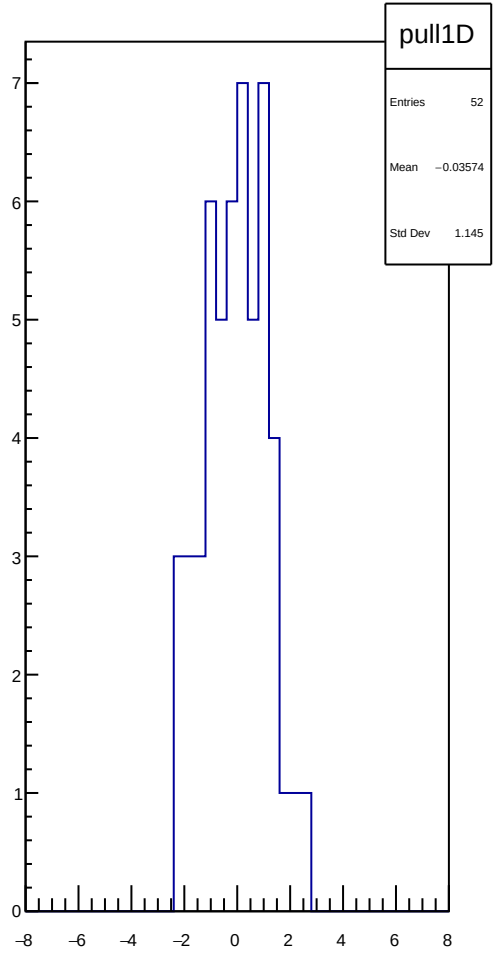

asym_sam_48_dd_reg_vs_cor_diff_rms vs run
χ² / ndf 6.198e+05 / 51
p0 9.125e−11 ± 1.43e−13
0.12
0.1
0.08
0.06
0.04
0.02
0

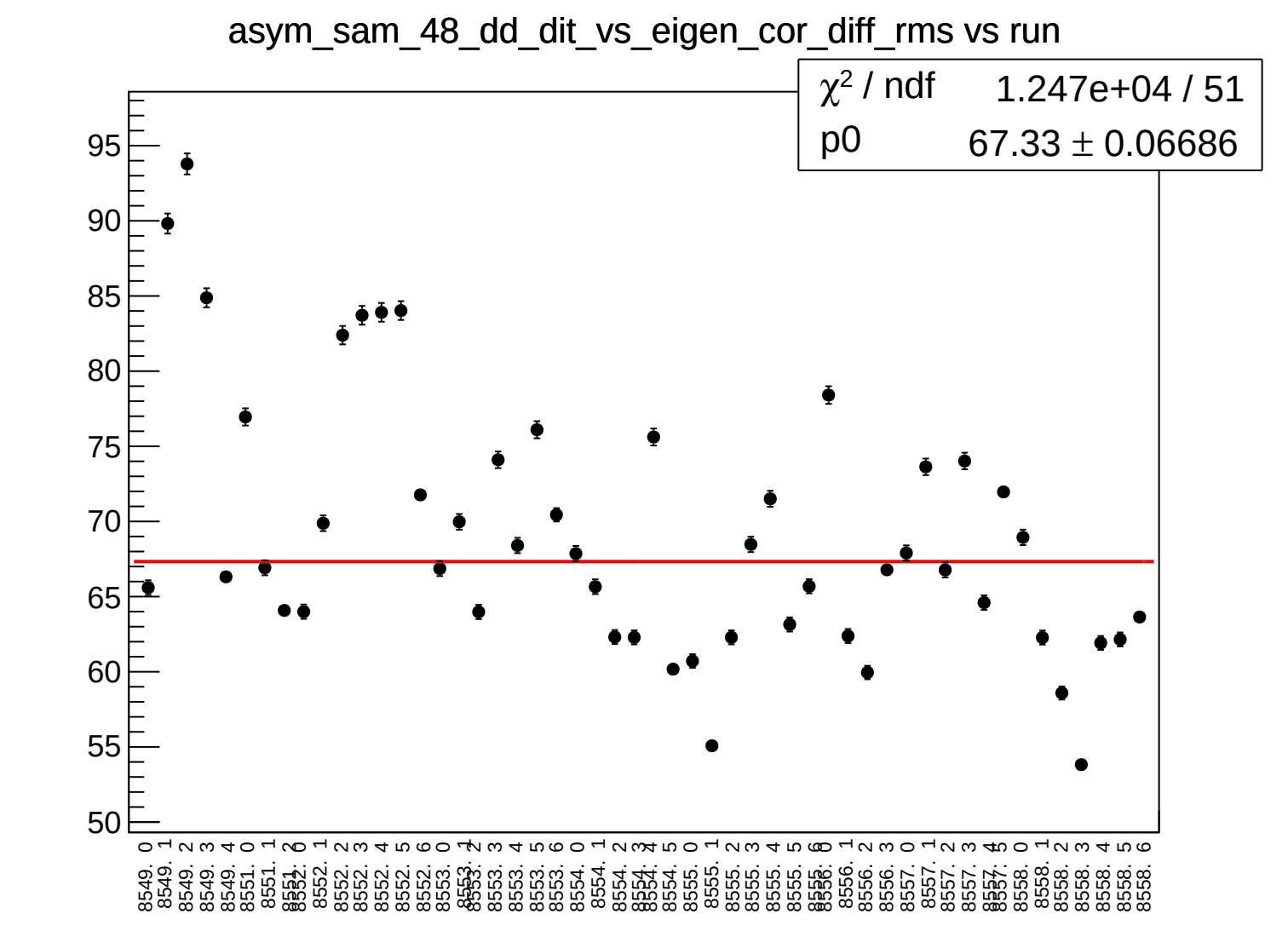

asym_sam_48_dd_dit_vs_cor_diff_mean vs run
χ² / ndf 68.29 / 51
p0 −0.3662 ± 0.09455
pull
Entries 52
Mean 96.85
Std Dev 0

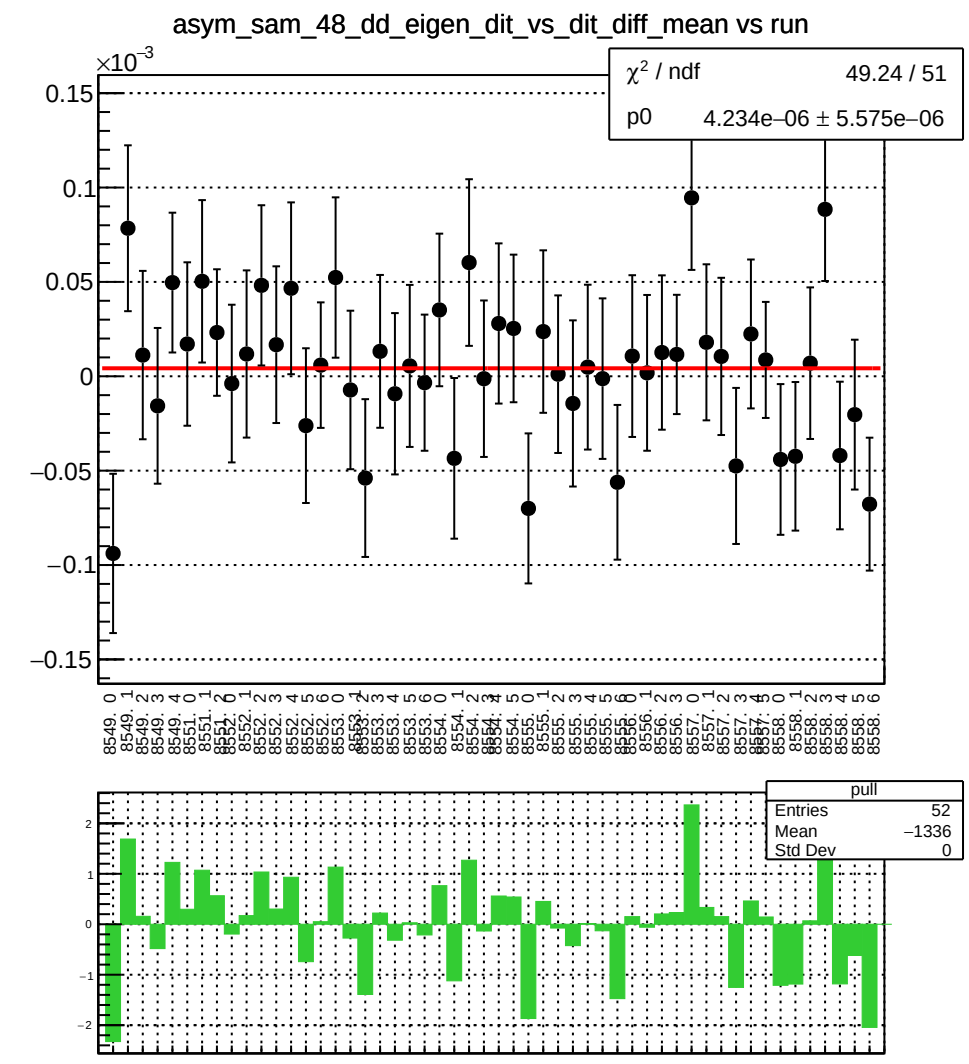

pull1D
Entries 52
Mean −0.03574
Std Dev 1.145

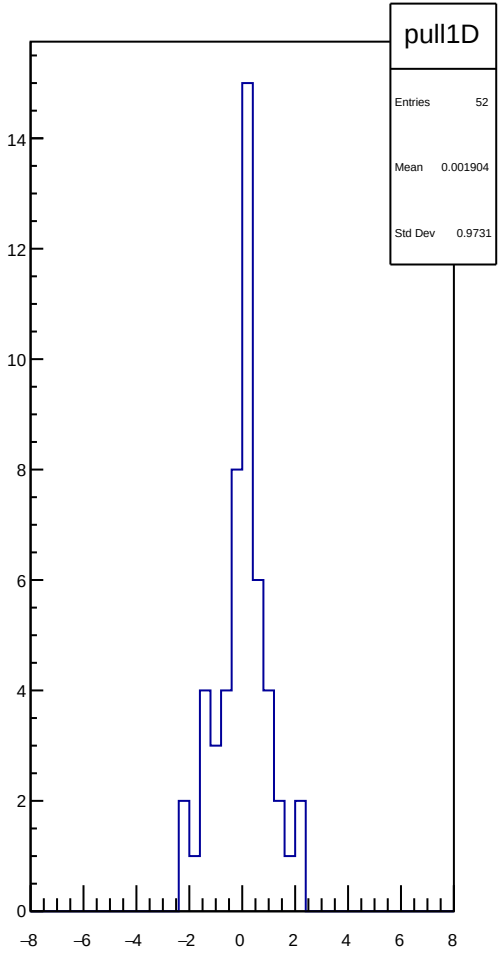

asym_sam_48_dd_dit_vs_cor_diff_rms vs run
χ² / ndf 1.247e+04 / 51
p0 67.33 ± 0.06686
95
90
85
80
75
70
65
60
55
50
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

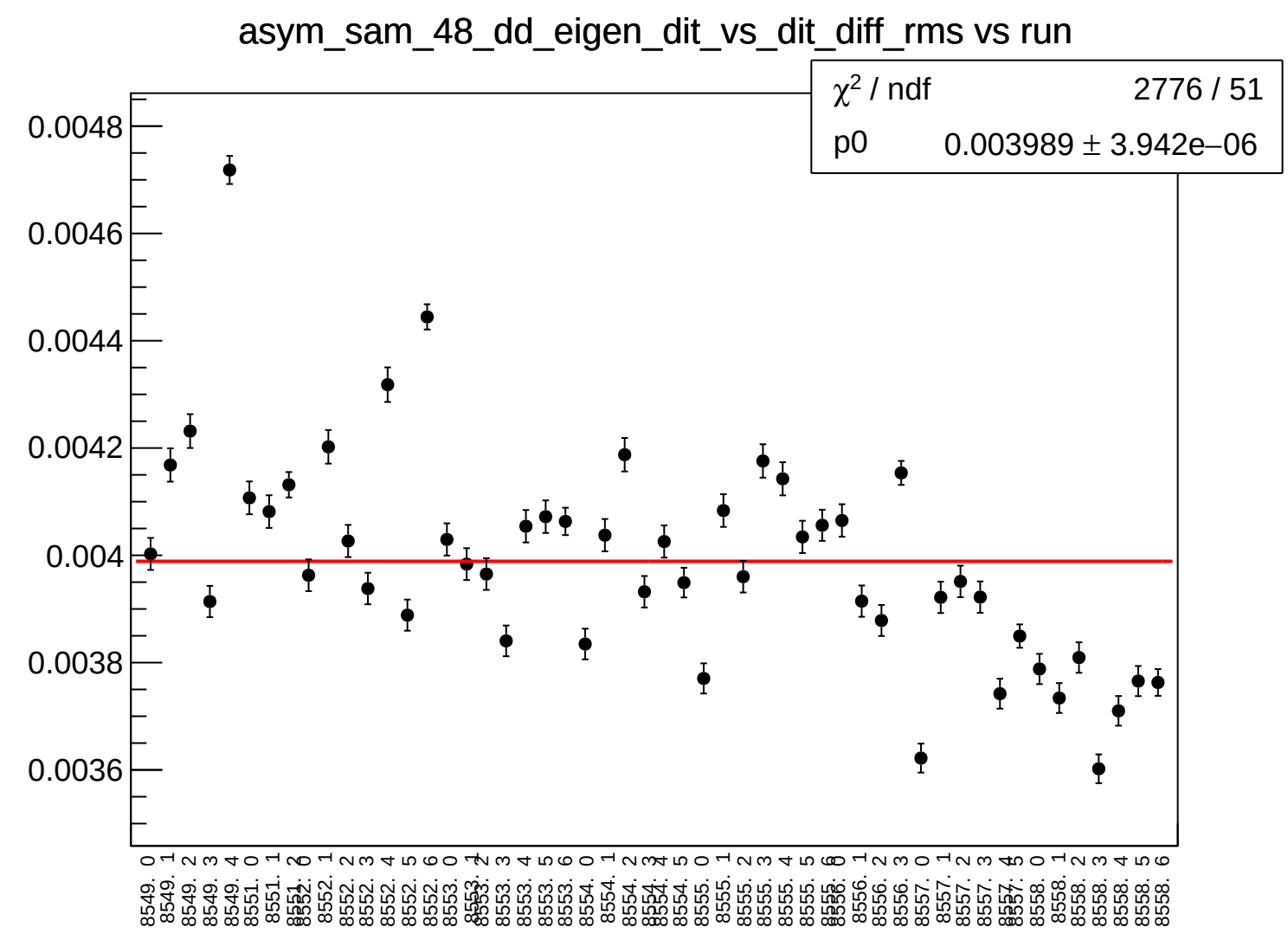

asym_sam_48_dd_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 68.29 / 51
p0 −0.3662 ± 0.09455
pull
Entries 52
Mean 96.85
Std Dev 0

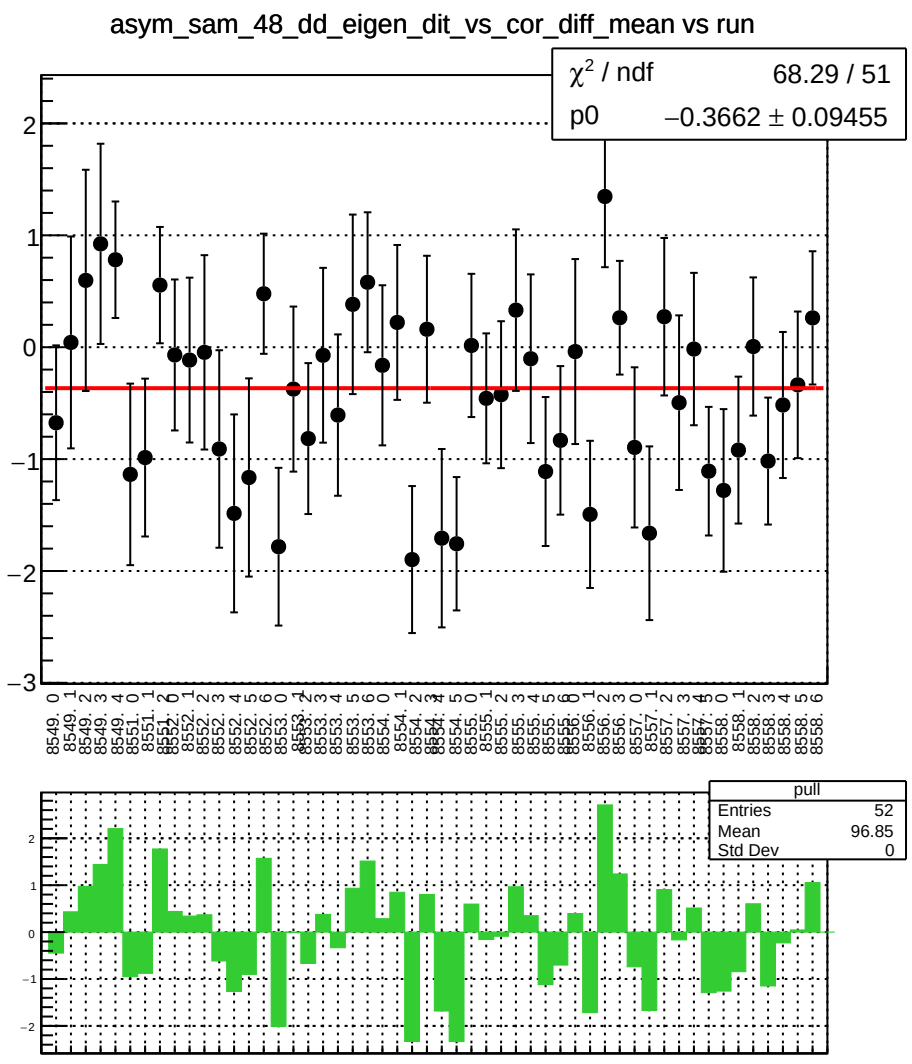

pull1D
Entries 52
Mean −0.03574
Std Dev 1.145

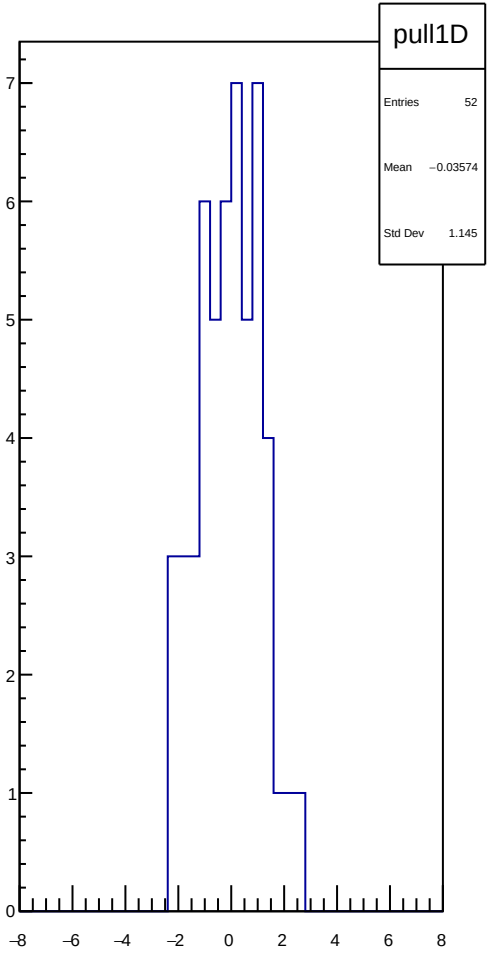

asym_sam_48_dd_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.247e+04 / 51
p0 67.33 ± 0.06686
95
90
85
80
75
70
65
60
55
50
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

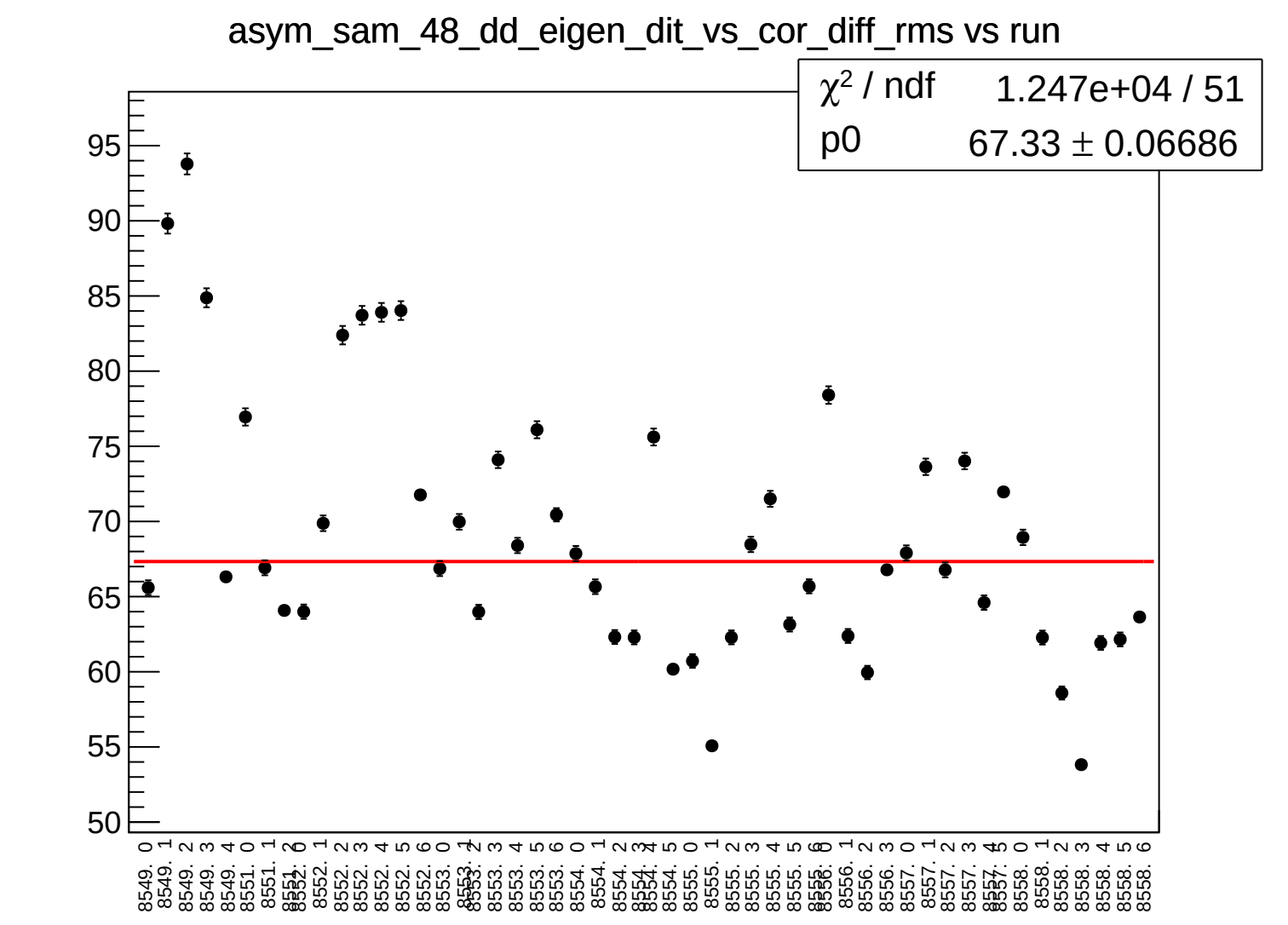

asym_sam_48_dd_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 49.24 / 51
p0 4.234e−06 ± 5.575e−06
pull
Entries 52
Mean −1336
Std Dev 0

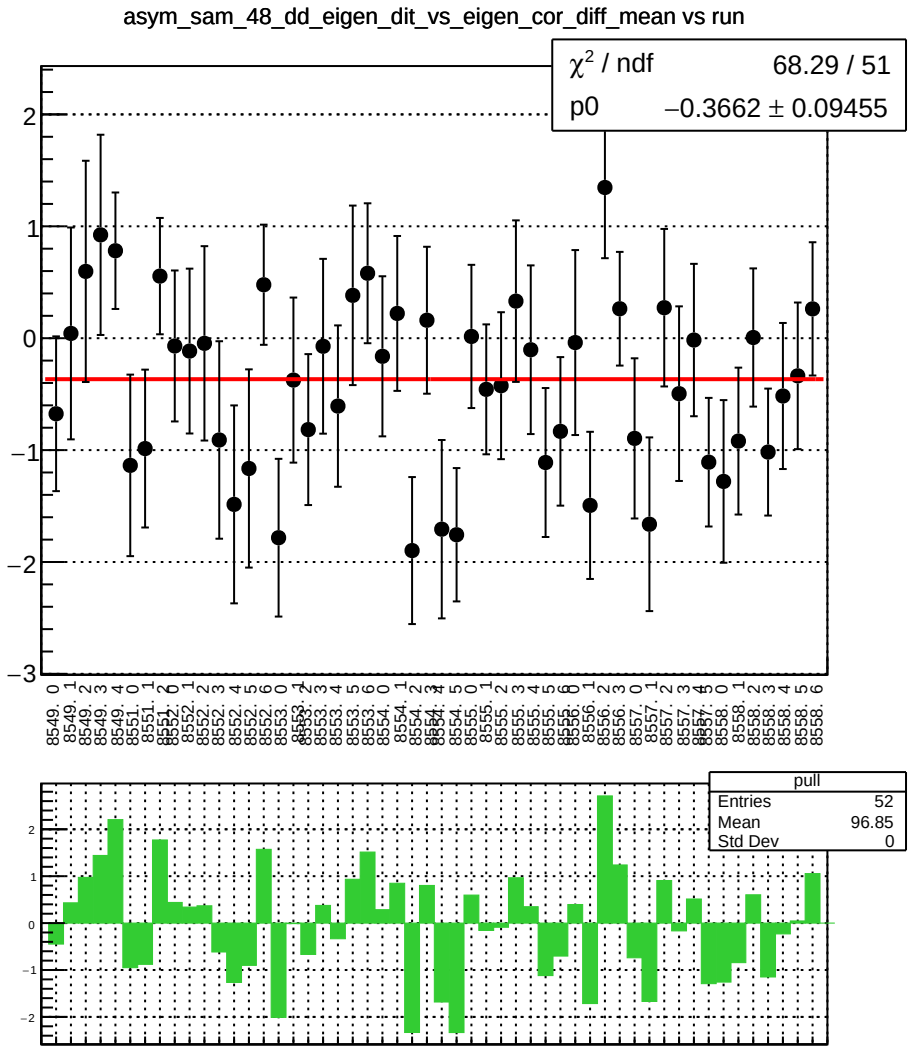

pull1D
Entries 52
Mean 0.001904
Std Dev 0.9731

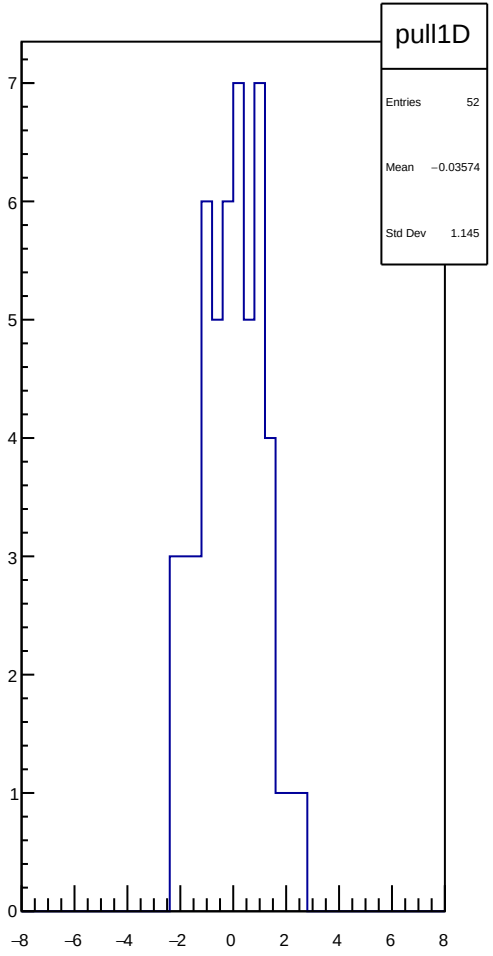

asym_sam_48_dd_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 2776 / 51
p0 0.003989 ± 3.942e−06
0.0048
0.0046
0.0044
0.0042
0.004
0.0038
0.0036
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

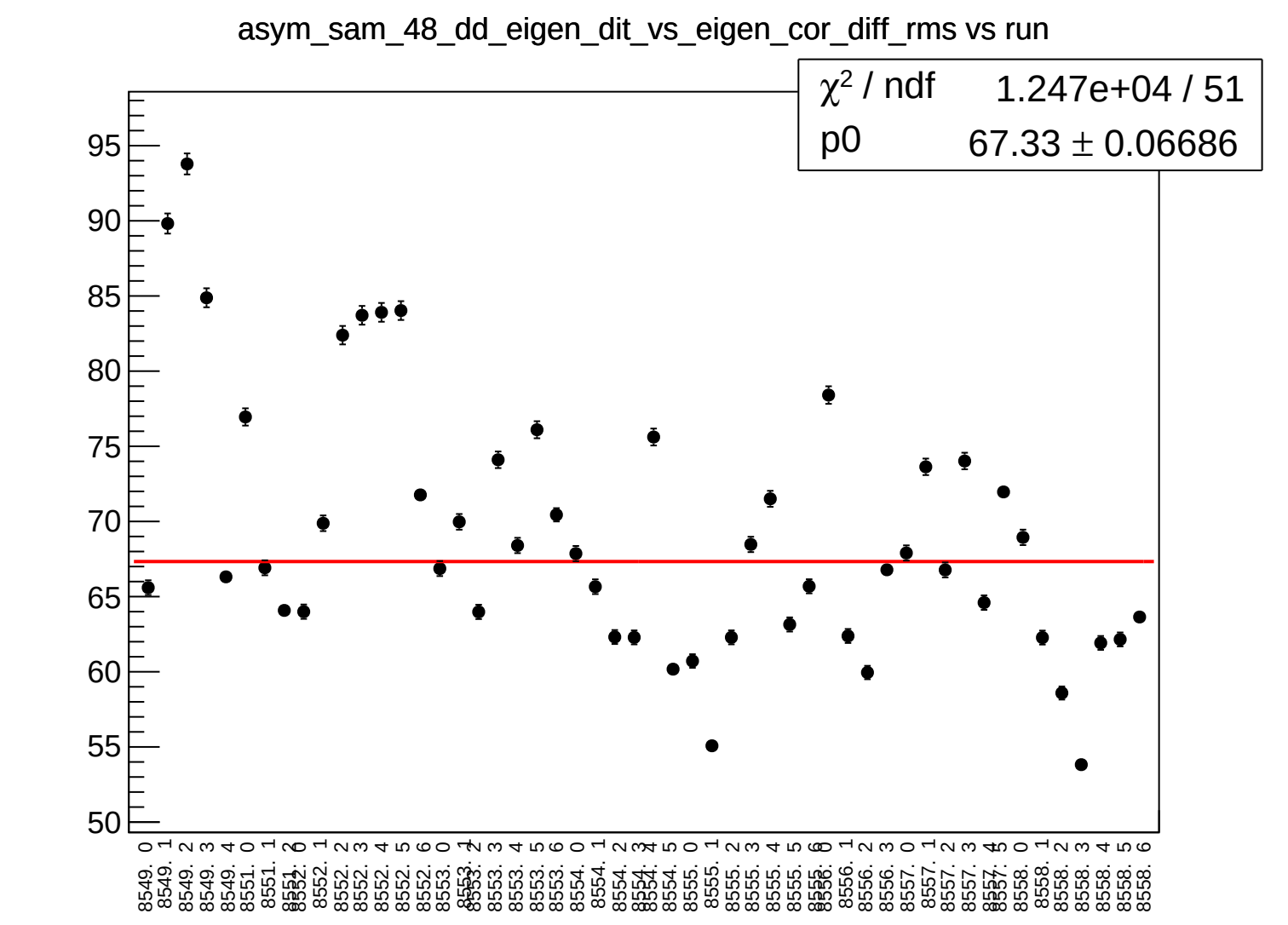

asym_sam_48_dd_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 68.29 / 51
p0 −0.3662 ± 0.09455
pull
Entries 52
Mean 96.85
Std Dev 0

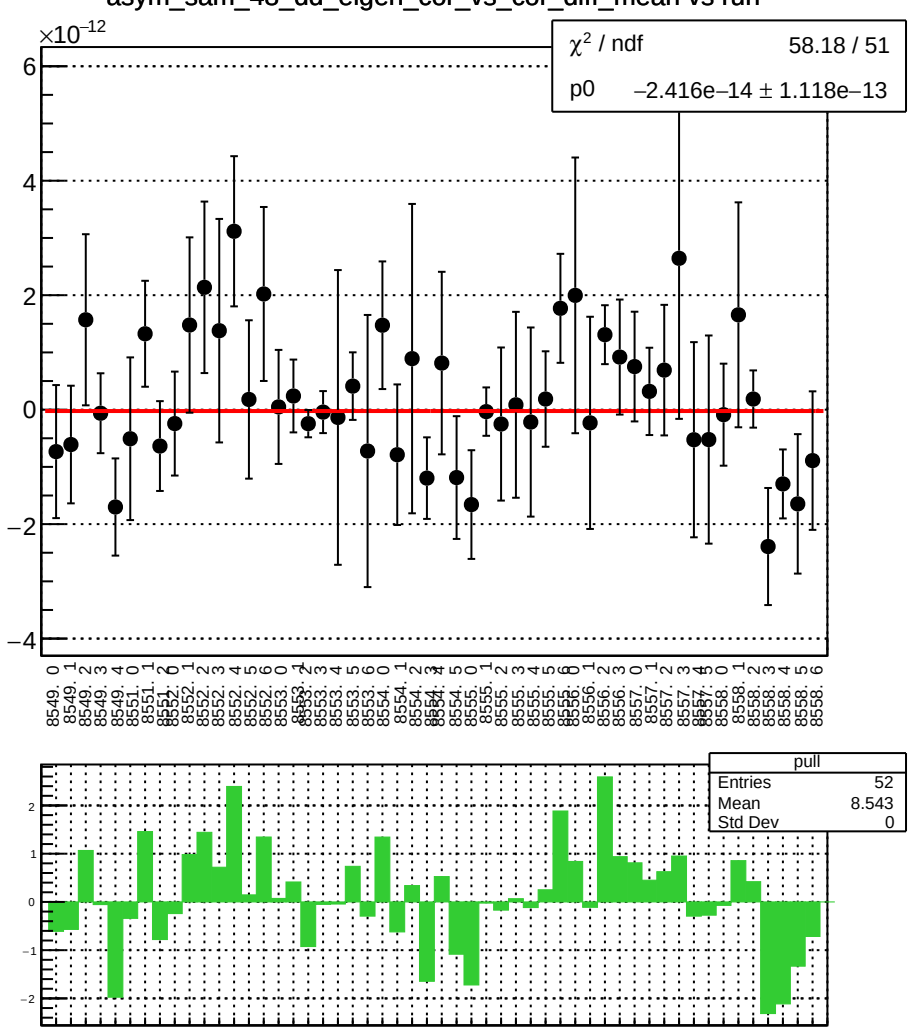

pull1D
Entries 52
Mean −0.03574
Std Dev 1.145

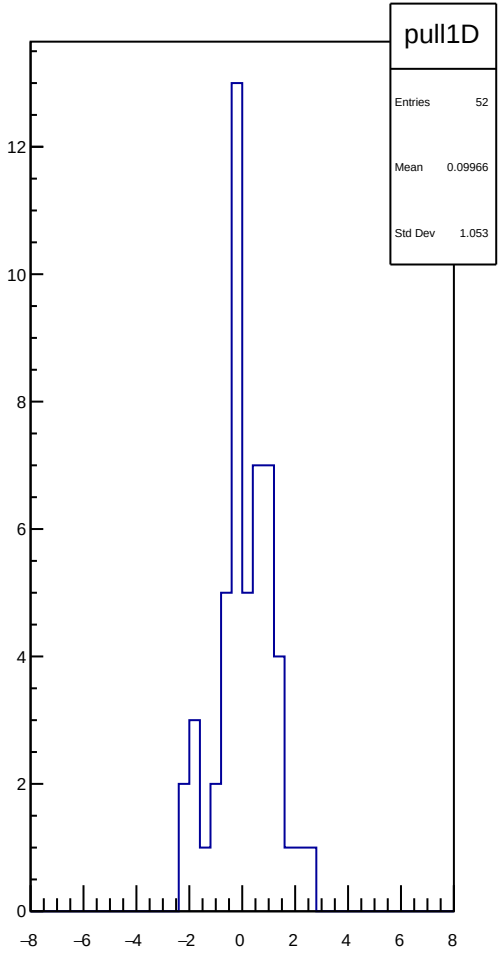

asym_sam_48_dd_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 1.247e+04 / 51
p0 67.33 ± 0.06686
95
90
85
80
75
70
65
60
55
50
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

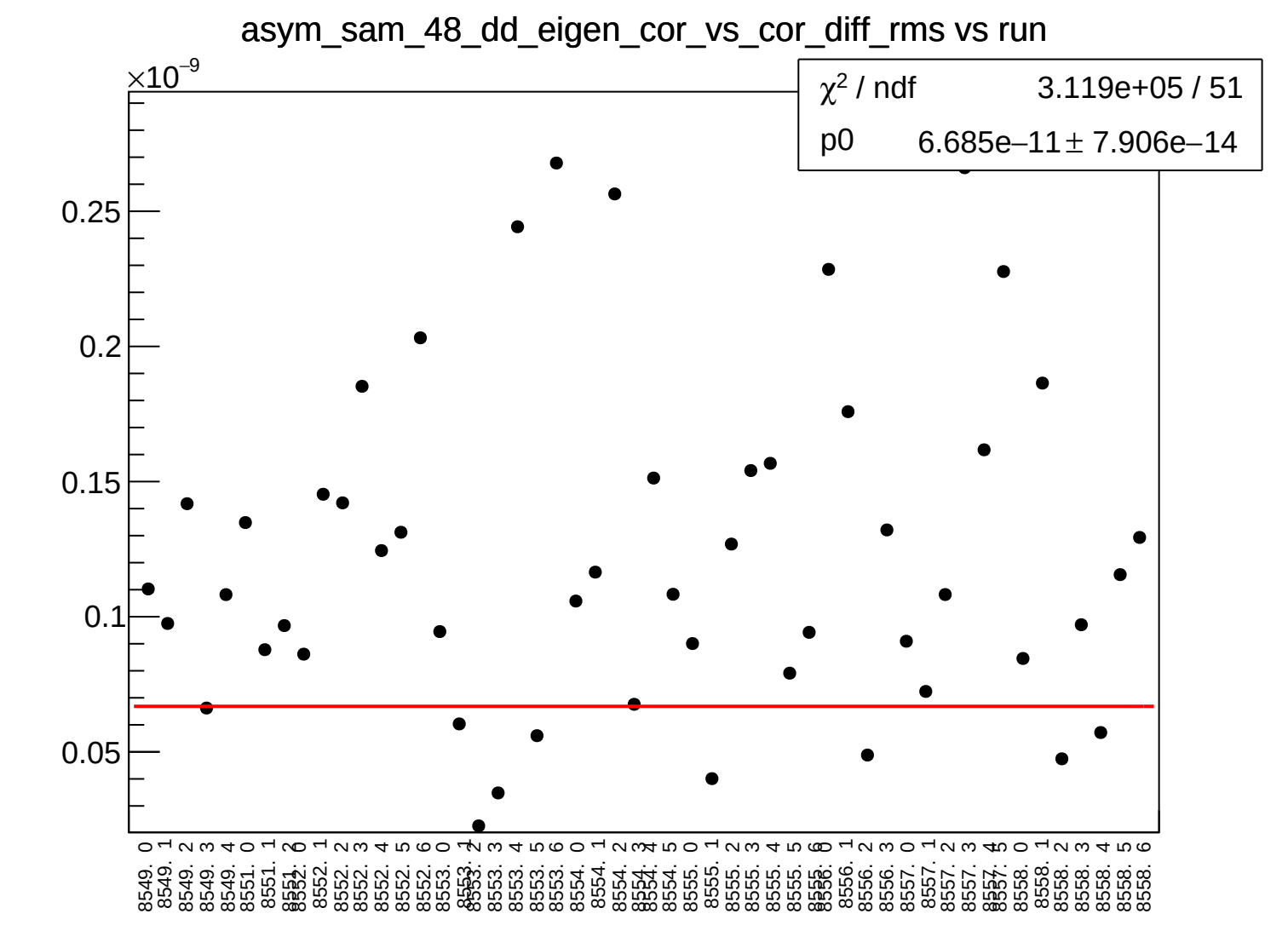

asym_sam_48_dd_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 68.29 / 51
p0 −0.3662 ± 0.09455
pull
Entries 52
Mean 96.85
Std Dev 0


pull1D
Entries 52
Mean −0.03574
Std Dev 1.145


asym_sam_48_dd_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.247e+04 / 51
p0 67.33 ± 0.06686
95
90
85
80
75
70
65
60
55
50
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 5
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6


asym_sam_48_dd_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 58.18 / 51
p0 −2.416e−14 ± 1.118e−13
pull
Entries 52
Mean 8.543
Std Dev 0


pull1D
Entries 52
Mean 0.09966
Std Dev 1.053


asym_sam_48_dd_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 3.119e+05 / 51
p0 6.685e−11 ± 7.906e−14
0.25
0.2
0.15
0.1
0.05
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 5
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
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8558. 0
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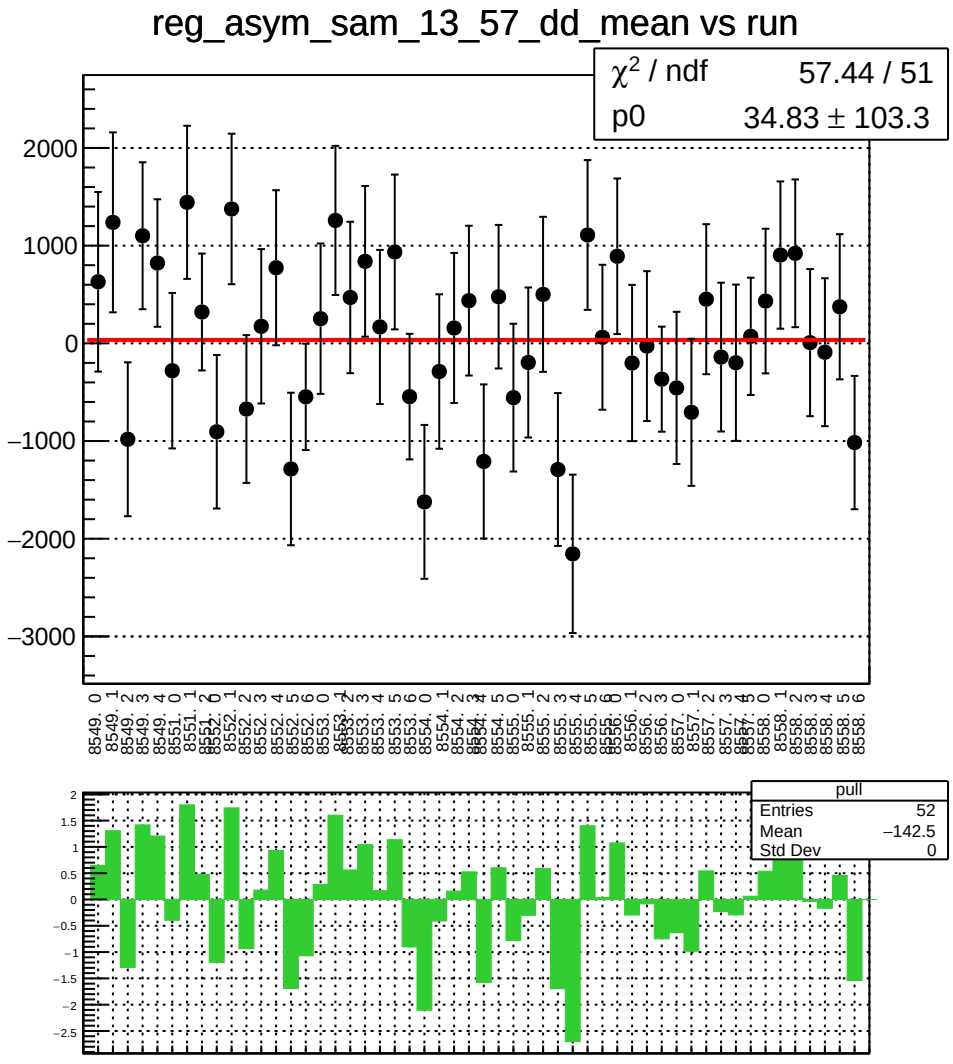
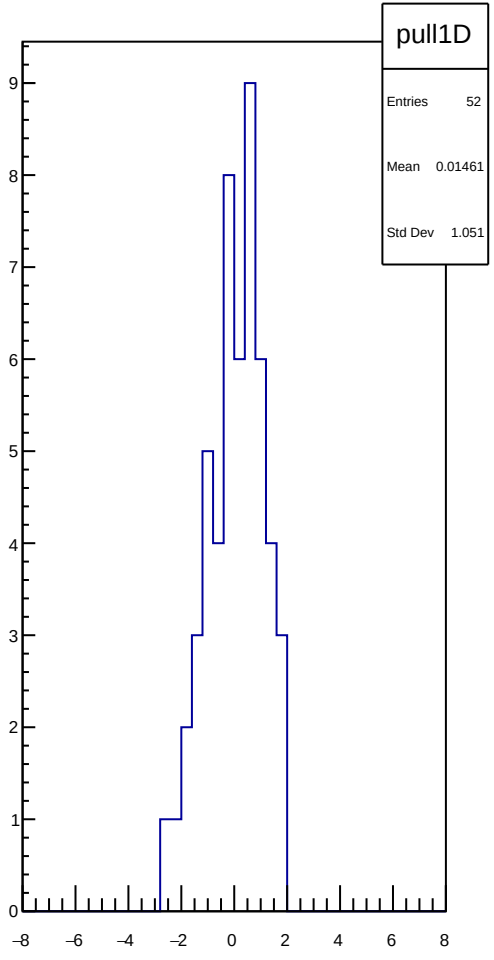
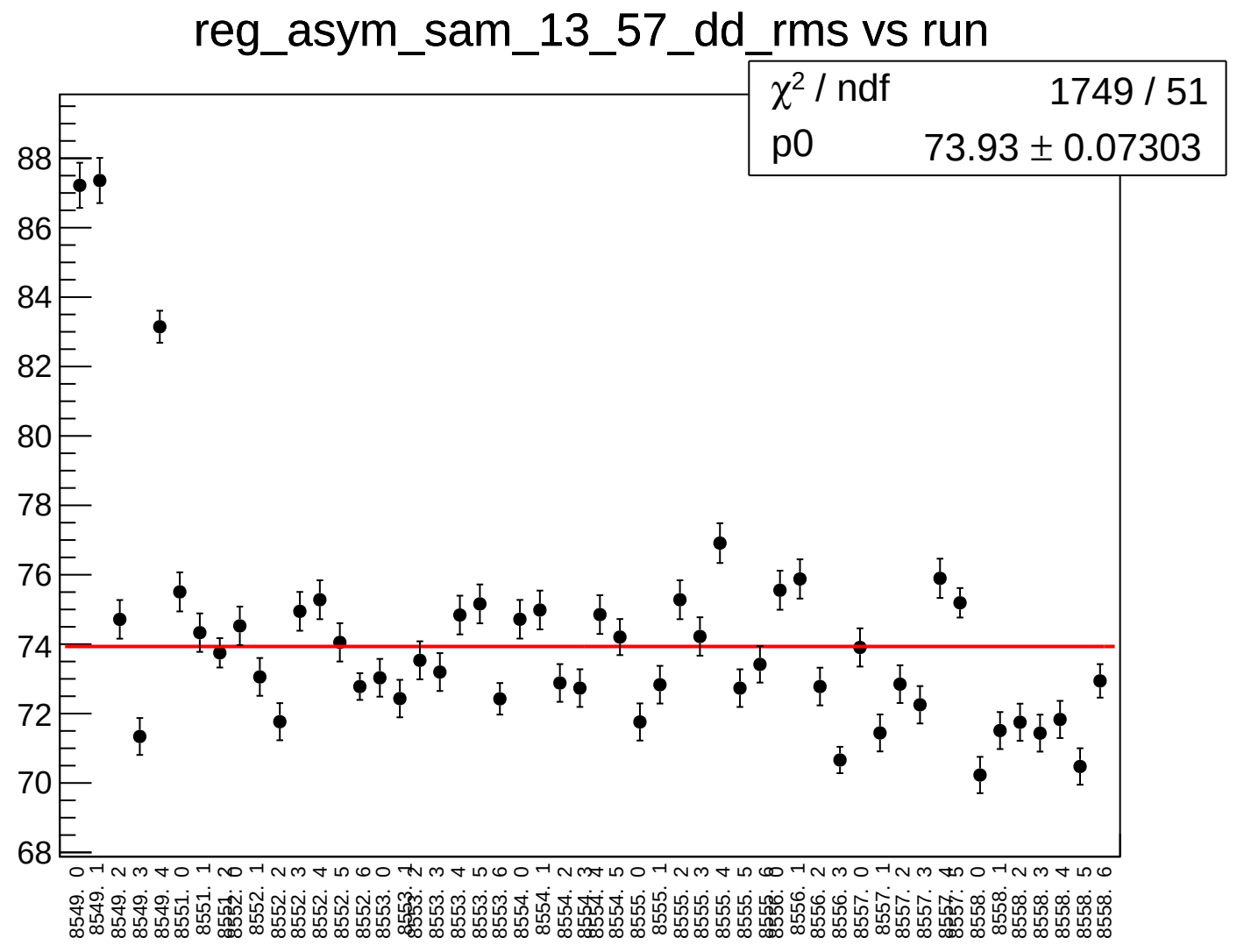
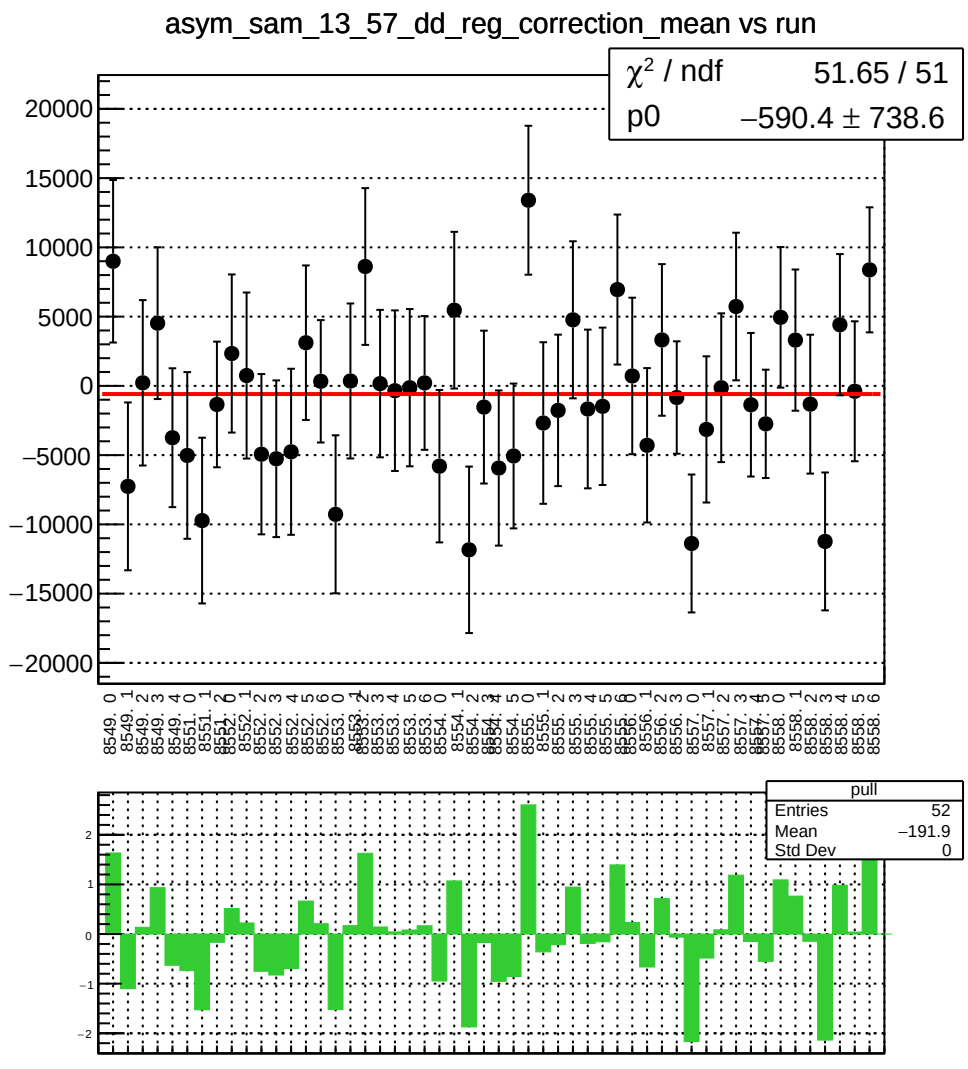
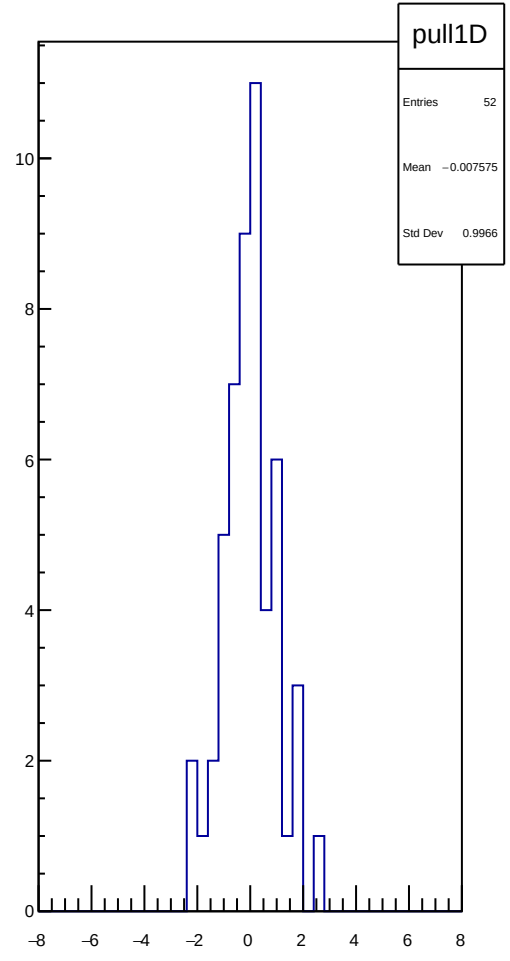
8558. 5
8558. 6

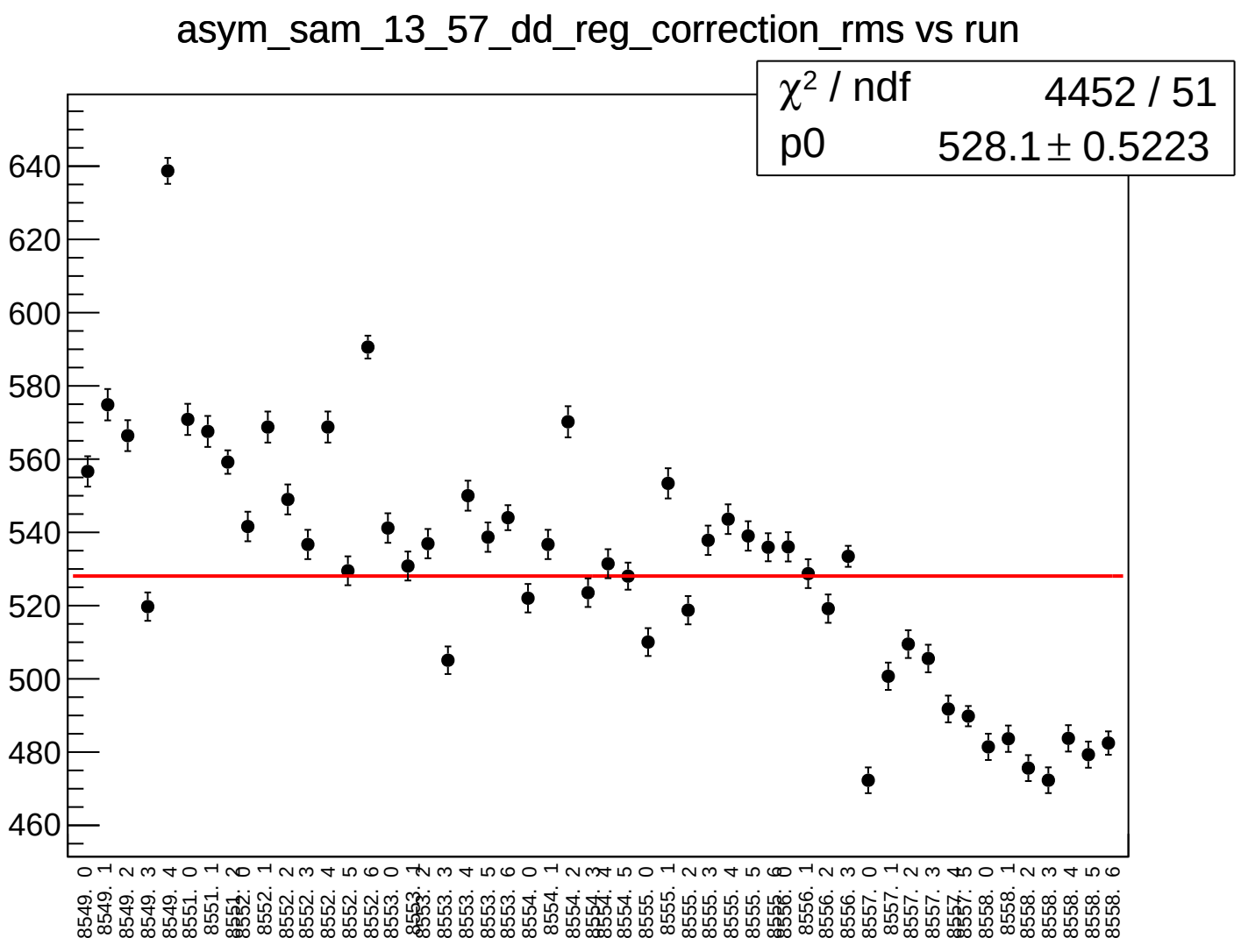

reg_asym_sam_13_57_dd_mean vs run
χ² / ndf 57.44 / 51
p0 34.83 ± 103.3
pull
Entries 52
Mean −142.5
Std Dev 0


pull1D
Entries 52
Mean 0.01461
Std Dev 1.051


reg_asym_sam_13_57_dd_rms vs run
χ² / ndf 1749 / 51
p0 73.93 ± 0.07303
88
86
84
82
80
78
76
74
72
70
68
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 5
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6


asym_sam_13_57_dd_reg_correction_mean vs run
χ² / ndf 51.65 / 51
p0 −590.4 ± 738.6
pull
Entries 52
Mean −191.9
Std Dev 0


pull1D
Entries 52
Mean −0.007575
Std Dev 0.9966


asym_sam_13_57_dd_reg_correction_rms vs run
χ² / ndf 4452 / 51
p0 528.1 ± 0.5223
640
620
600
580
560
540
520
500
480
460
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
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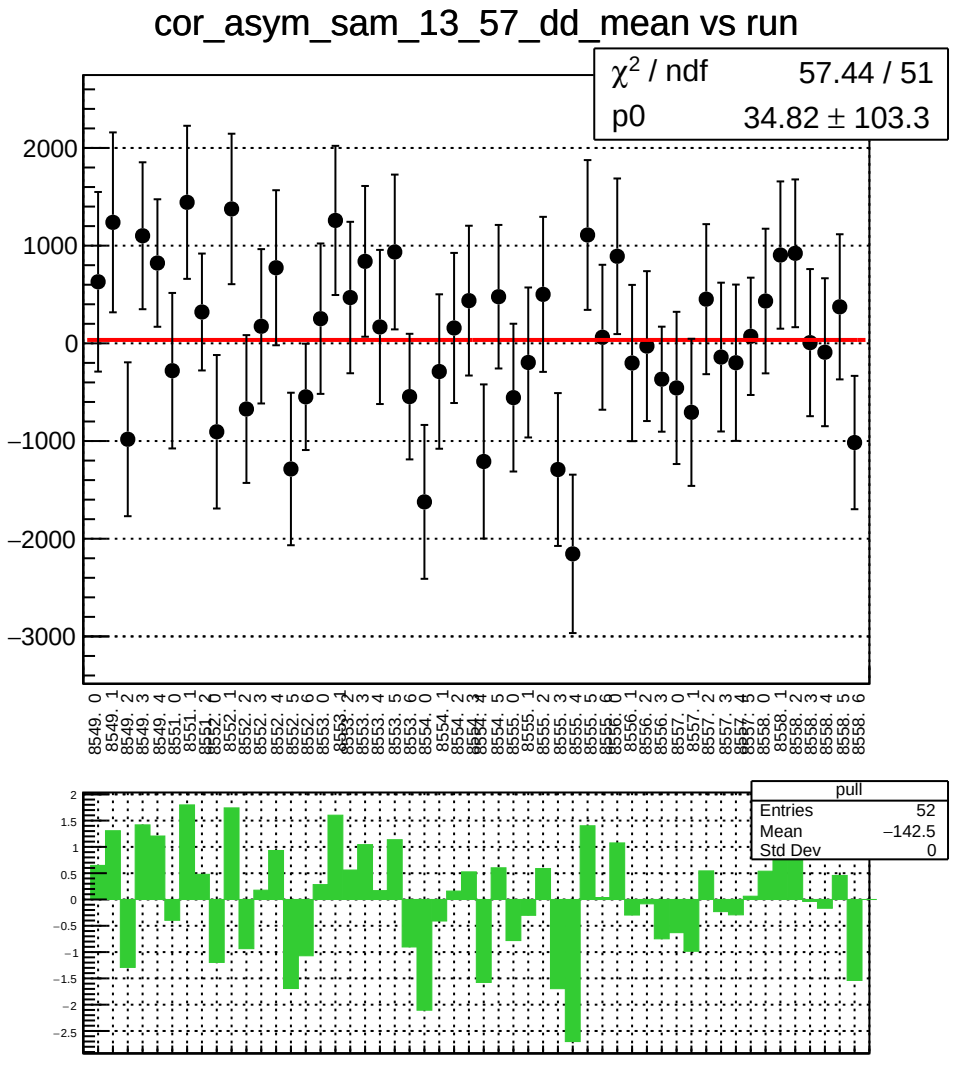
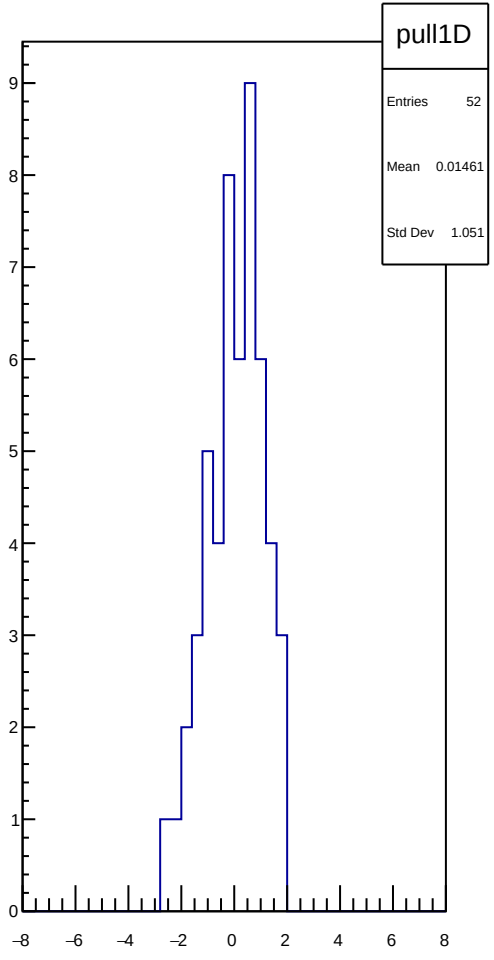
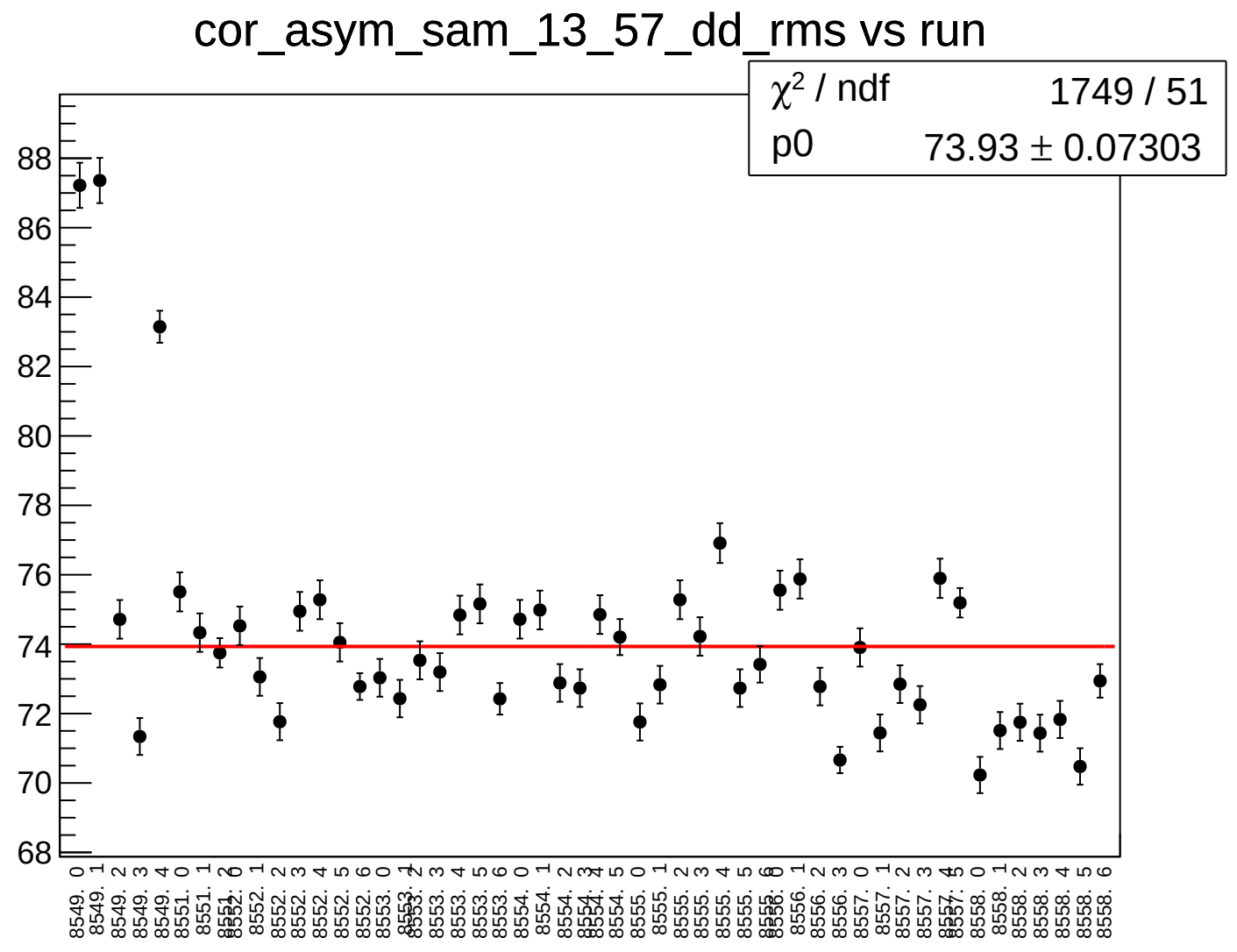
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6


cor_asym_sam_13_57_dd_mean vs run
χ² / ndf 57.44 / 51
p0 34.82 ± 103.3
pull
Entries 52
Mean −142.5
Std Dev 0


pull1D
Entries 52
Mean 0.01461
Std Dev 1.051


cor_asym_sam_13_57_dd_rms vs run
χ² / ndf 1749 / 51
p0 73.93 ± 0.07303
88
86
84
82
80
78
76
74
72
70
68
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 5
8555. 0
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8556. 2
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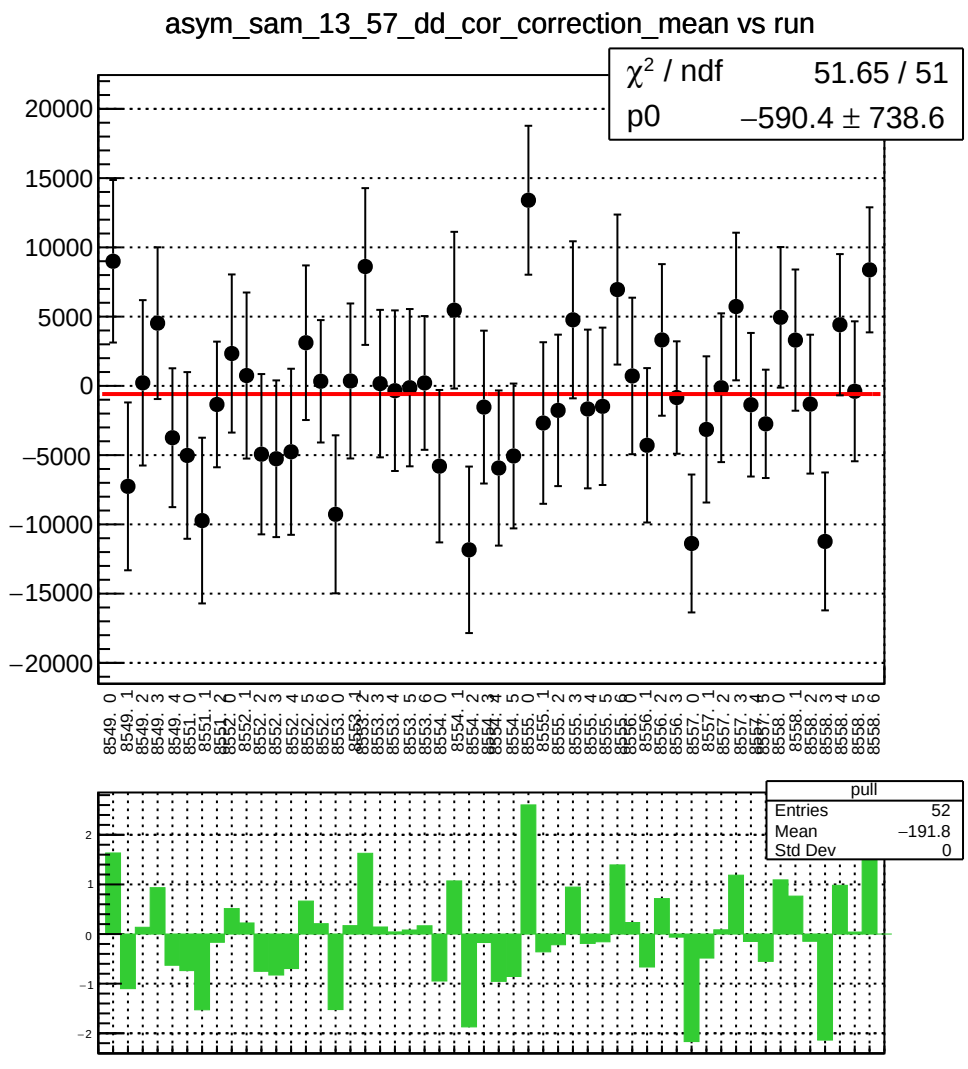
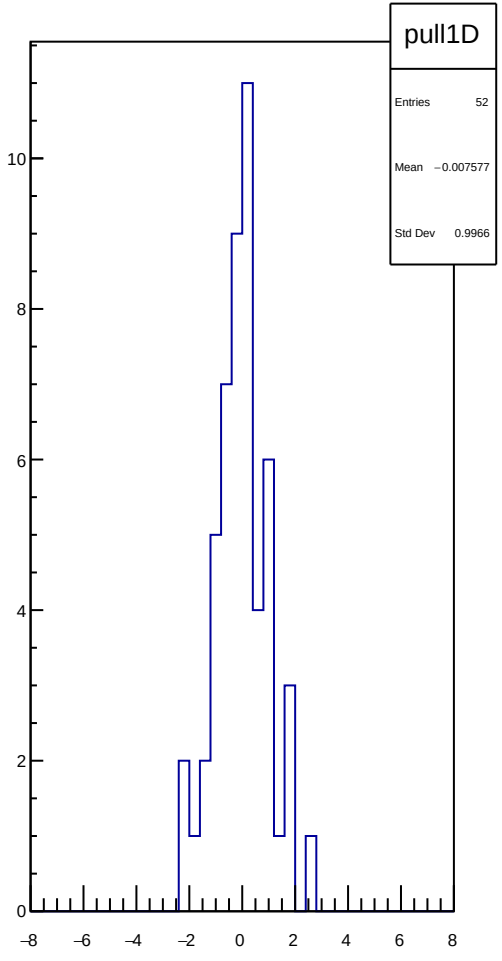
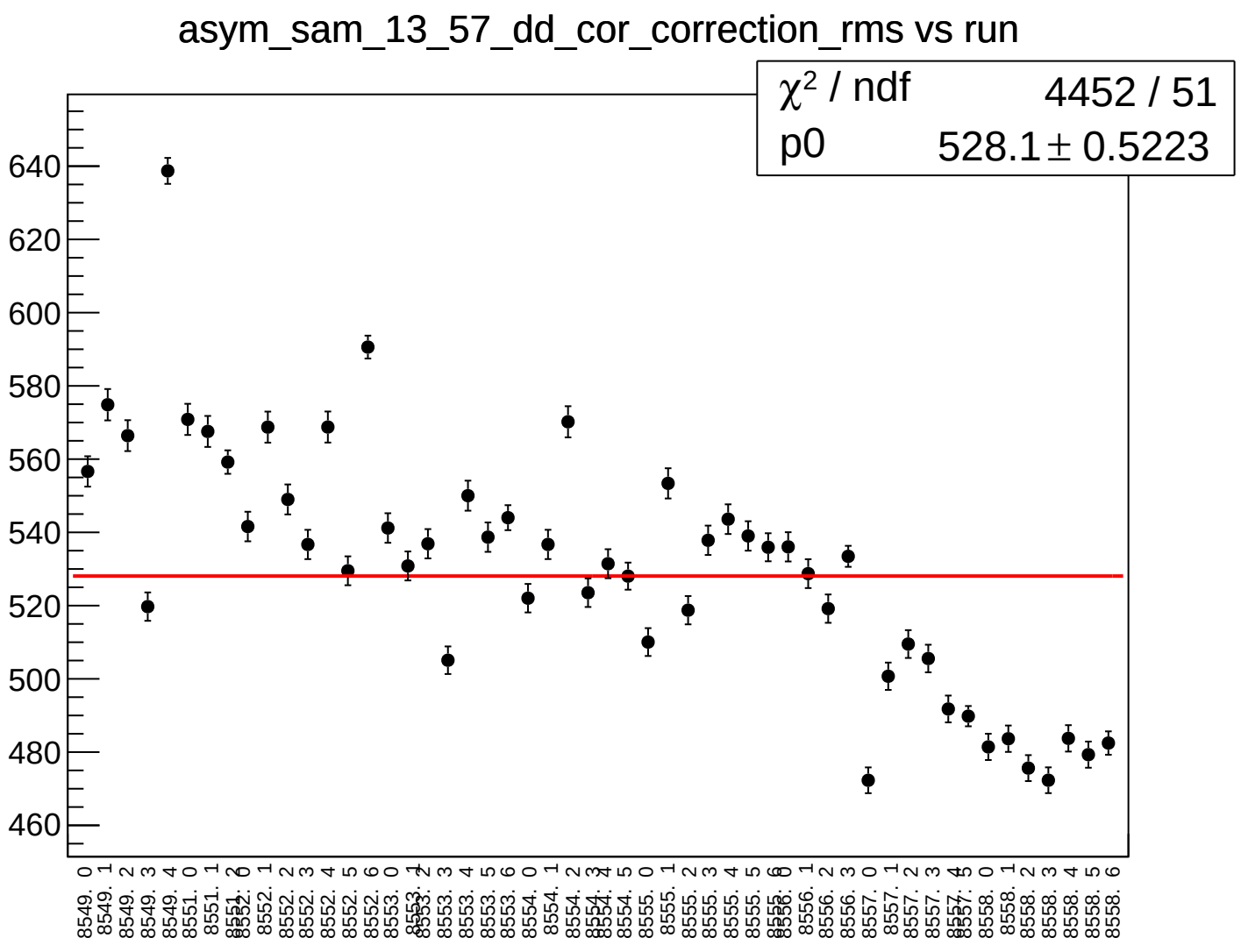
8558. 6


asym_sam_13_57_dd_cor_correction_mean vs run
χ² / ndf 51.65 / 51
p0 −590.4 ± 738.6
pull
Entries 52
Mean −191.8
Std Dev 0


pull1D
Entries 52
Mean −0.007577
Std Dev 0.9966


asym_sam_13_57_dd_cor_correction_rms vs run
χ² / ndf 4452 / 51
p0 528.1 ± 0.5223
640
620
600
580
560
540
520
500
480
460
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
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8554. 0
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8556. 1
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8557. 0
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8558. 0
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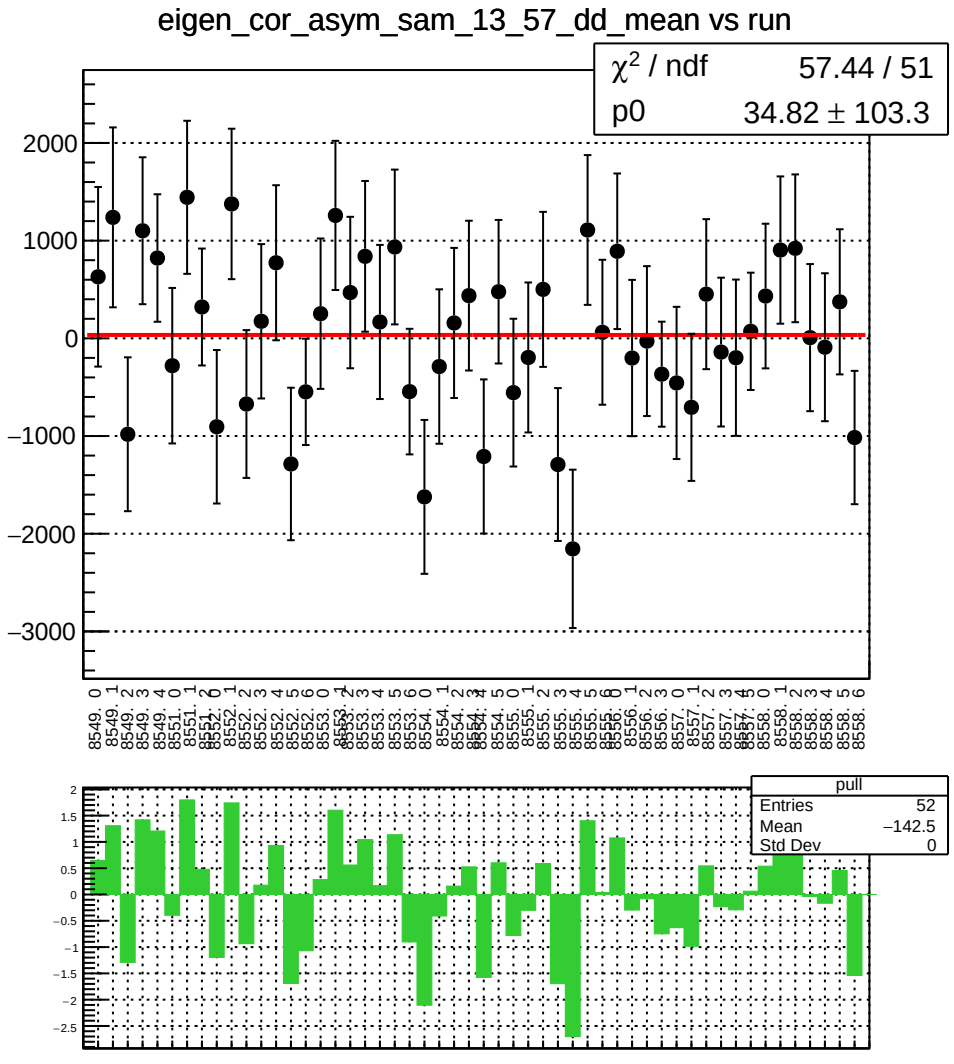
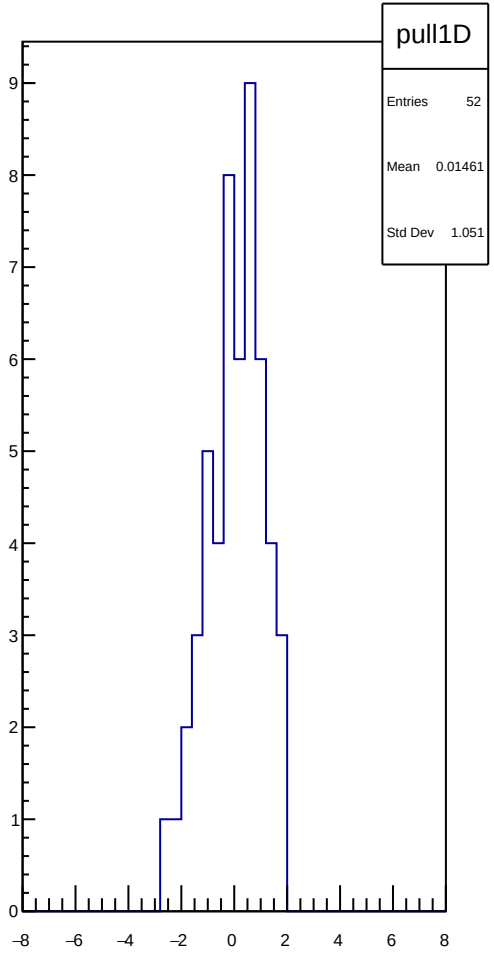
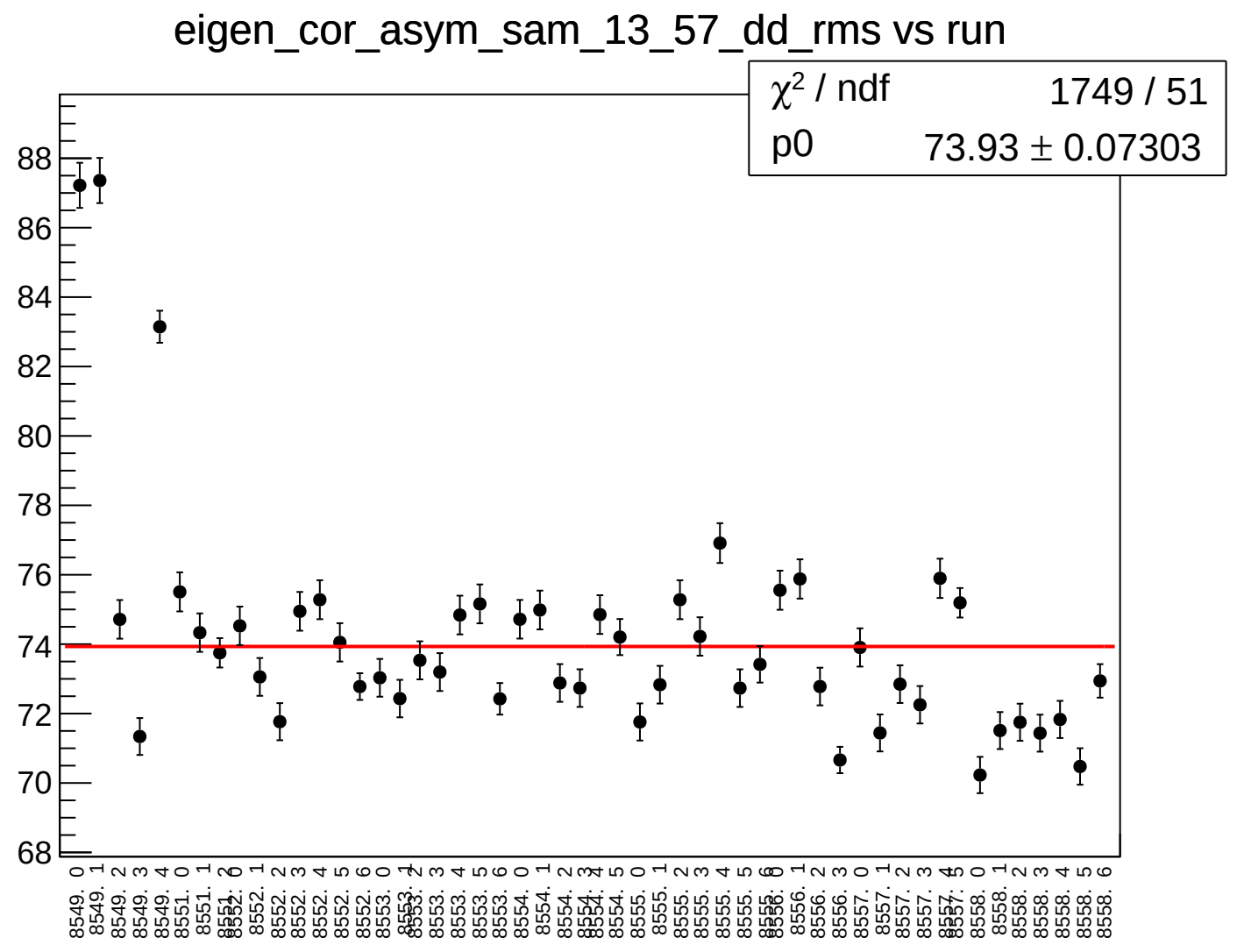
8558. 6


eigen_cor_asym_sam_13_57_dd_mean vs run
χ² / ndf 57.44 / 51
p0 34.82 ± 103.3
pull
Entries 52
Mean −142.5
Std Dev 0


pull1D
Entries 52
Mean 0.01461
Std Dev 1.051


eigen_cor_asym_sam_13_57_dd_rms vs run
χ² / ndf 1749 / 51
p0 73.93 ± 0.07303
88
86
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8549. 0
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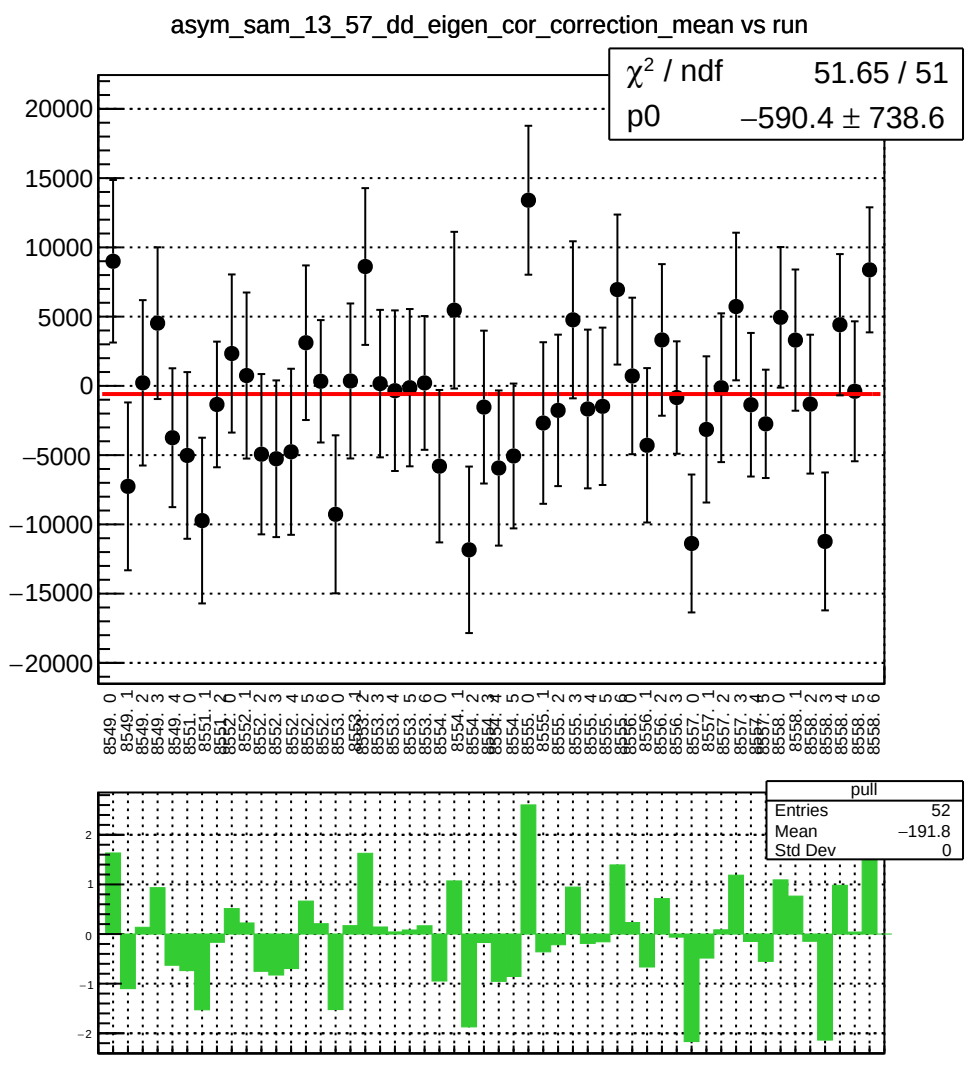
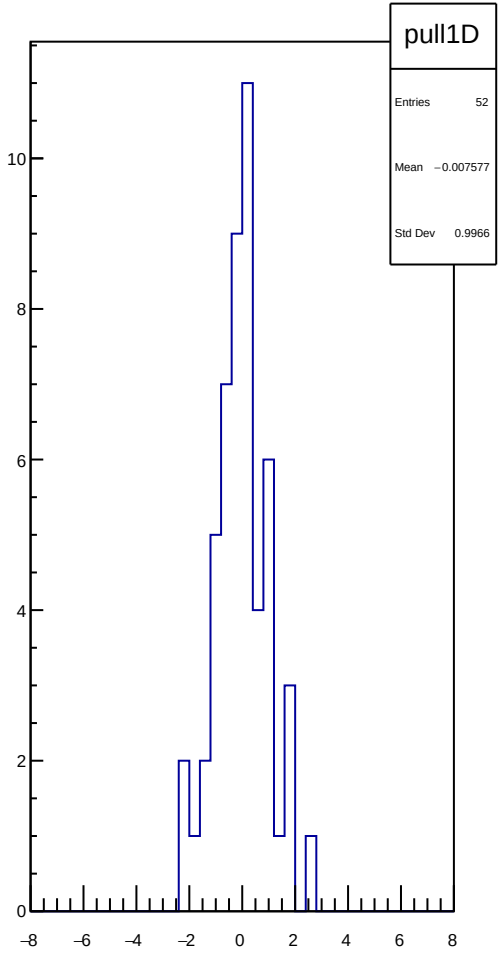
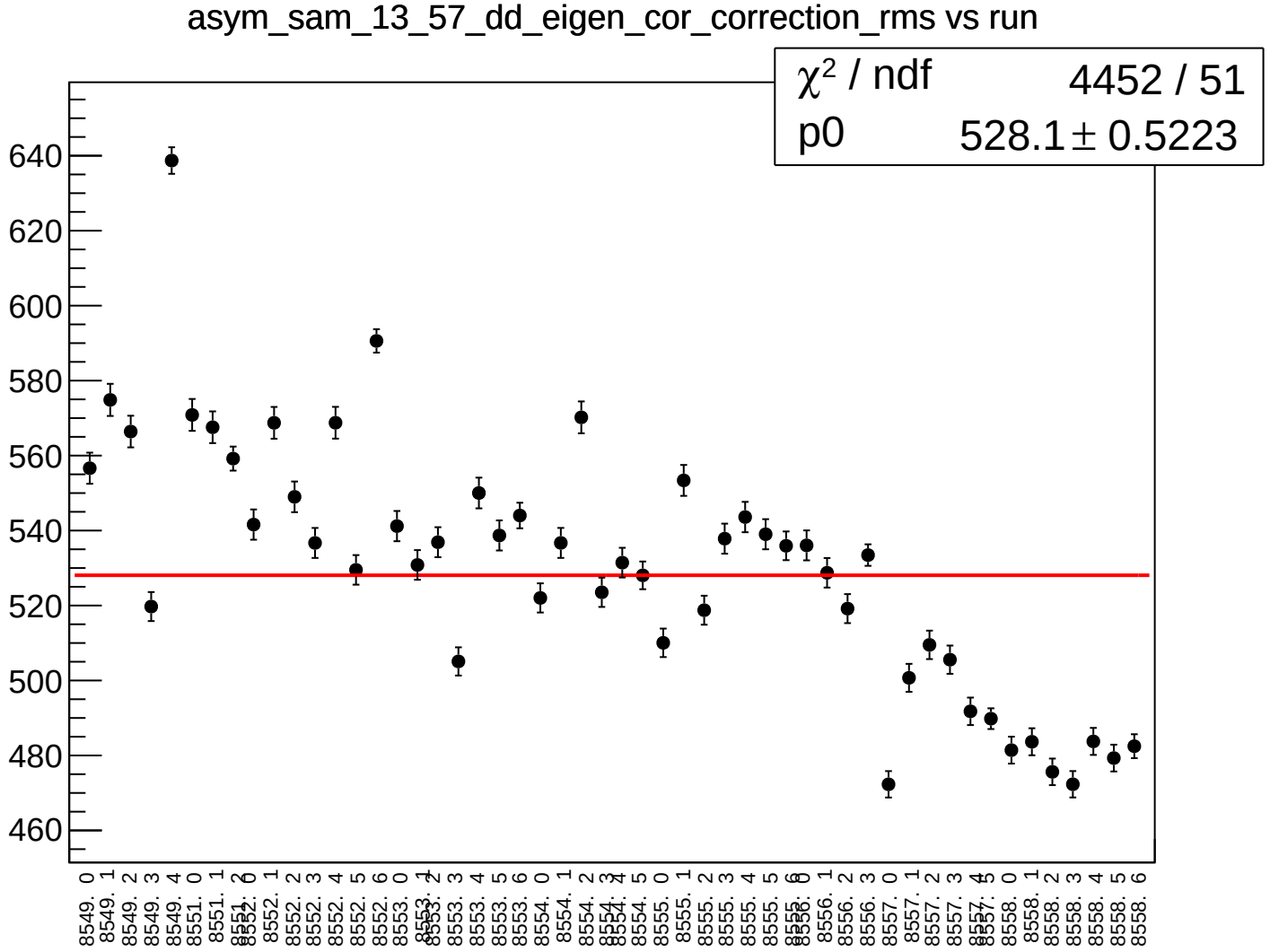

asym_sam_13_57_dd_eigen_cor_correction_mean vs run
χ² / ndf 51.65 / 51
p0 −590.4 ± 738.6
pull
Entries 52
Mean −191.8
Std Dev 0


pull1D
Entries 52
Mean −0.007577
Std Dev 0.9966


asym_sam_13_57_dd_eigen_cor_correction_rms vs run
χ² / ndf 4452 / 51
p0 528.1 ± 0.5223
640
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8549. 0
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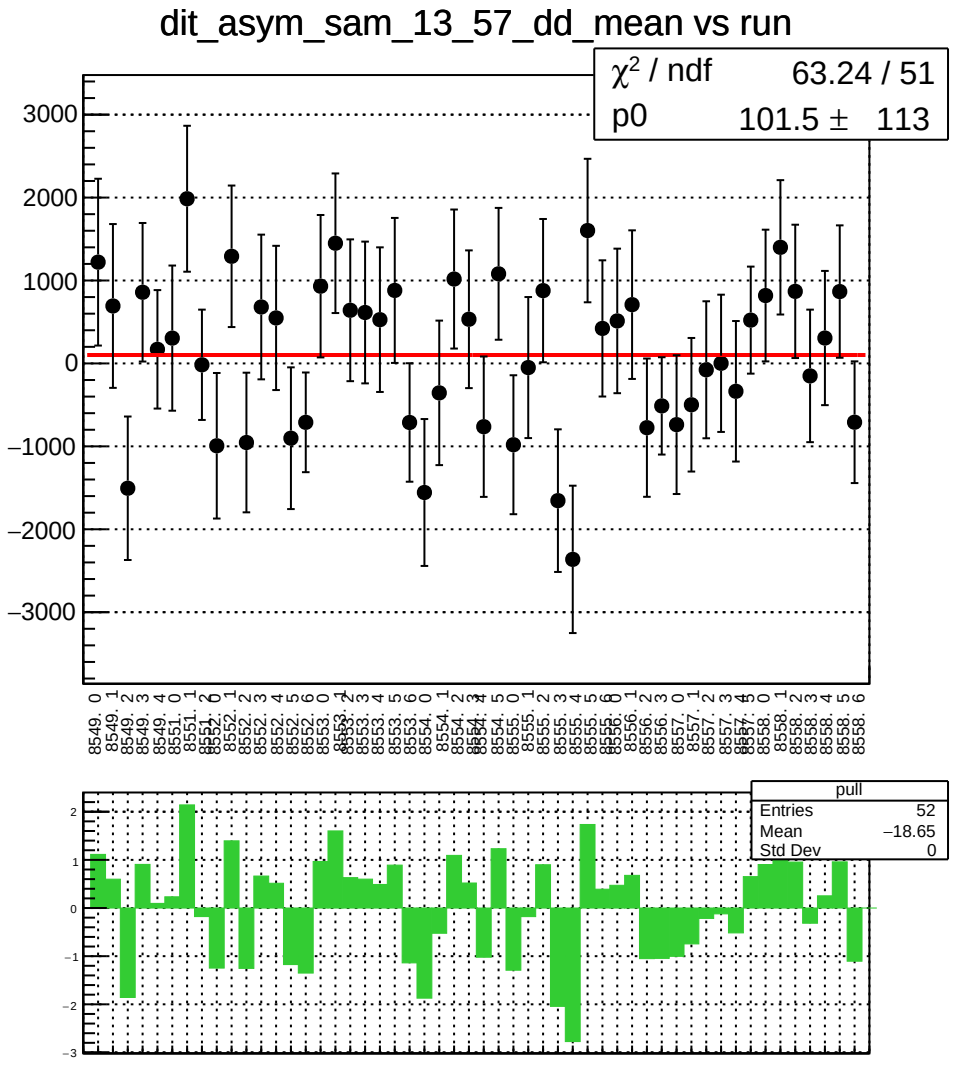
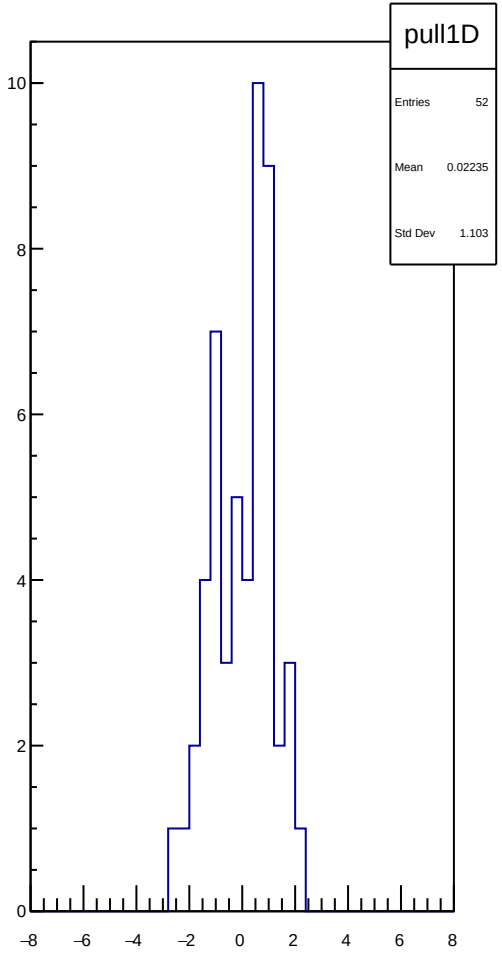
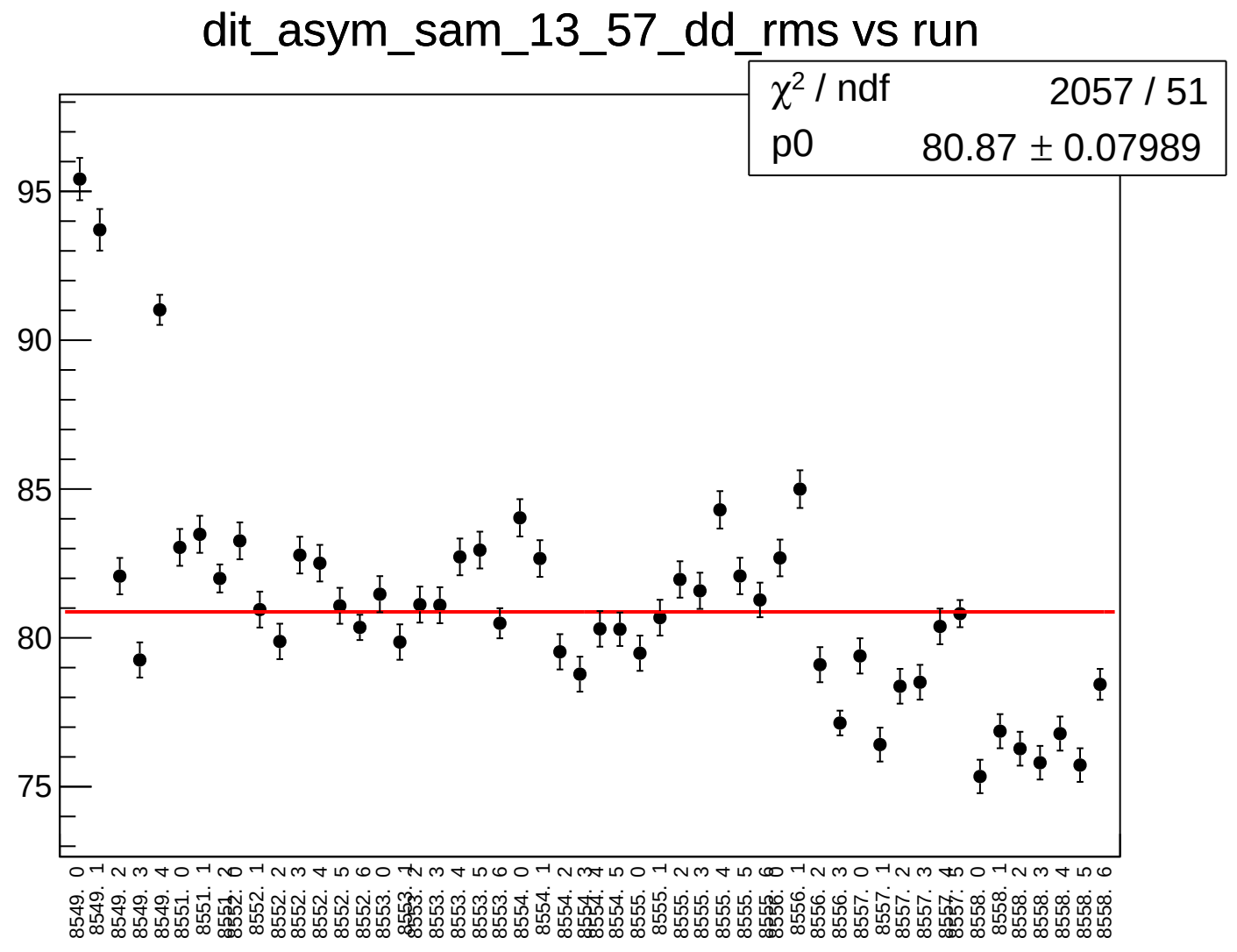

dit_asym_sam_13_57_dd_mean vs run
χ² / ndf 63.24 / 51
p0 101.5 ± 113
pull
Entries 52
Mean −18.65
Std Dev 0


pull1D
Entries 52
Mean 0.02235
Std Dev 1.103


dit_asym_sam_13_57_dd_rms vs run
χ² / ndf 2057 / 51
p0 80.87 ± 0.07989
95
90
85
80
75
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
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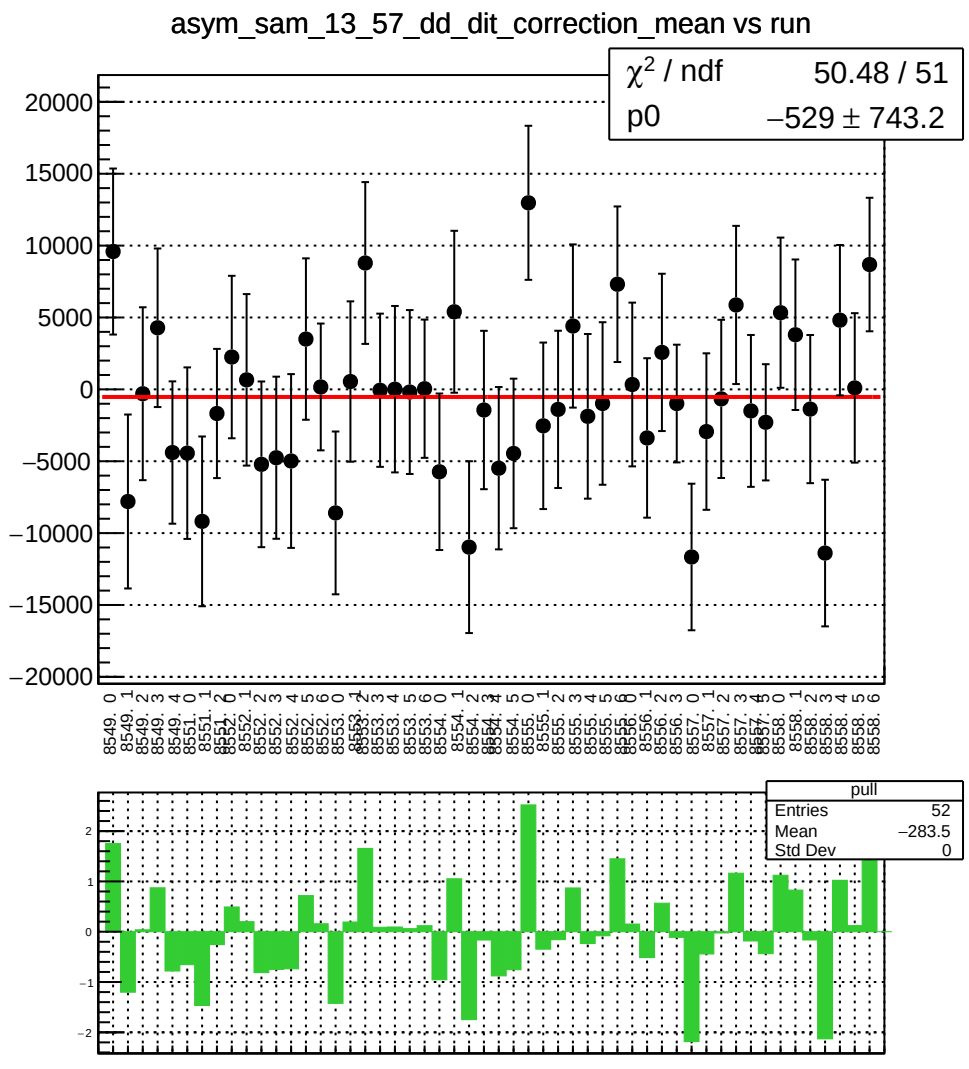
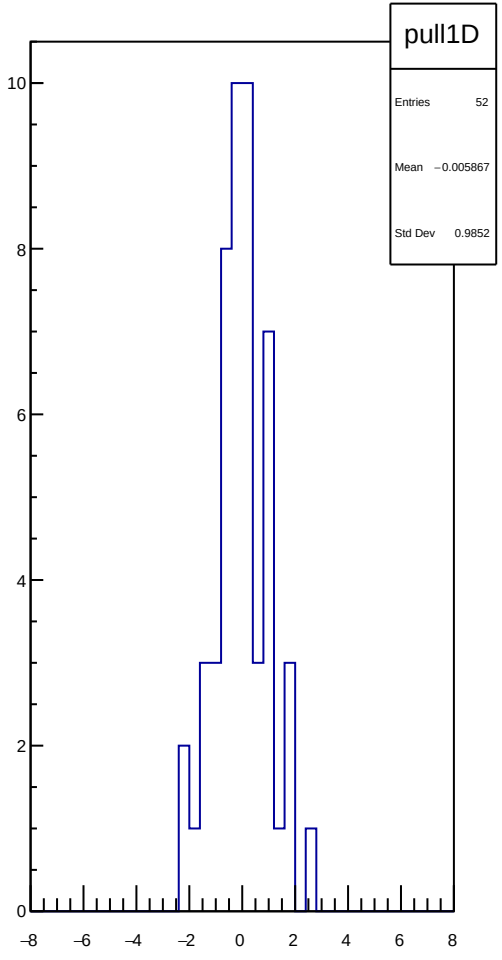
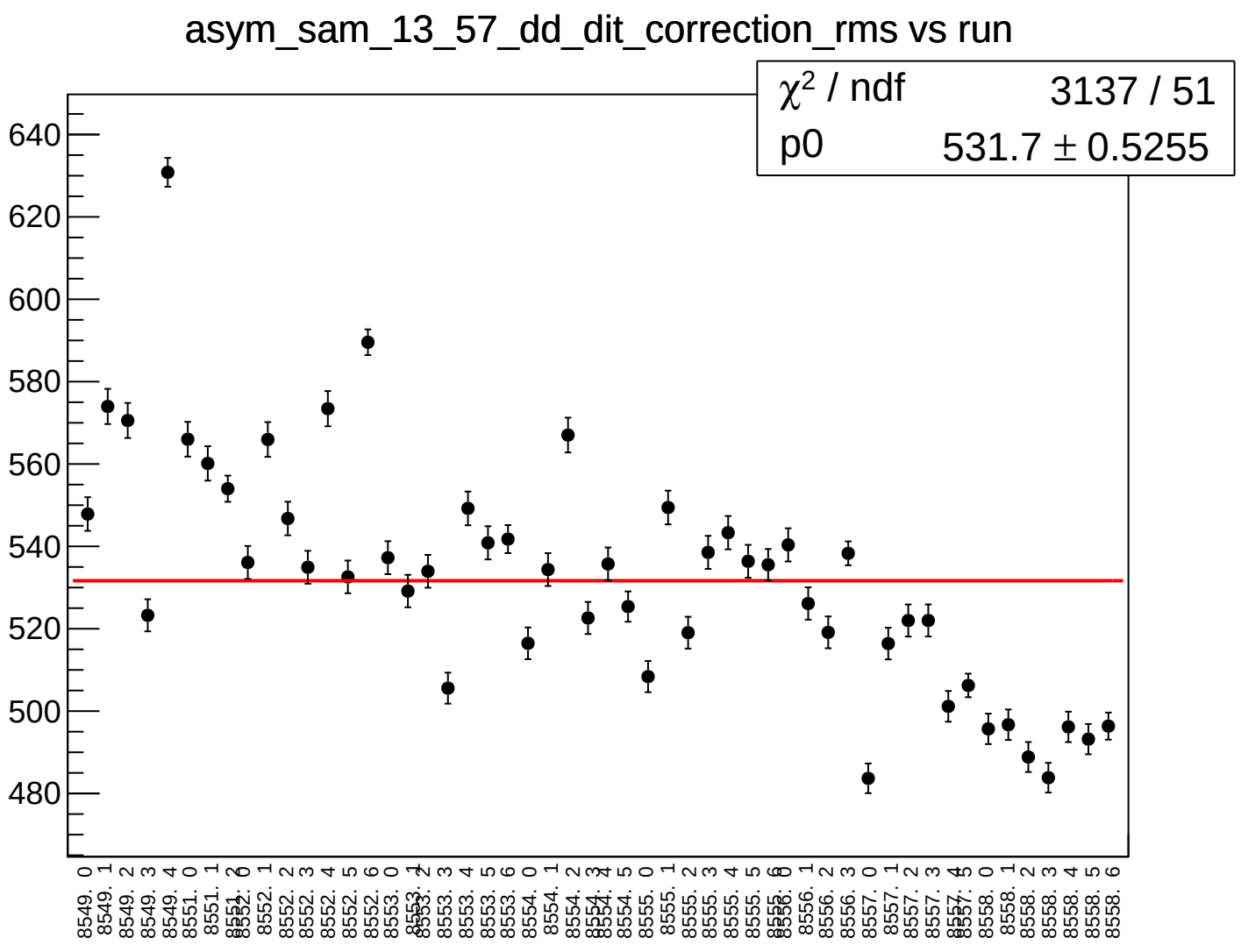
8558. 6


asym_sam_13_57_dd_dit_correction_mean vs run
χ² / ndf 50.48 / 51
p0 −529 ± 743.2
pull
Entries 52
Mean −283.5
Std Dev 0


pull1D
Entries 52
Mean −0.005867
Std Dev 0.9852


asym_sam_13_57_dd_dit_correction_rms vs run
χ² / ndf 3137 / 51
p0 531.7 ± 0.5255
640
620
600
580
560
540
520
500
480
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
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8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8555. 0
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8555. 4
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8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
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8557. 3
8558. 0
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8558. 4
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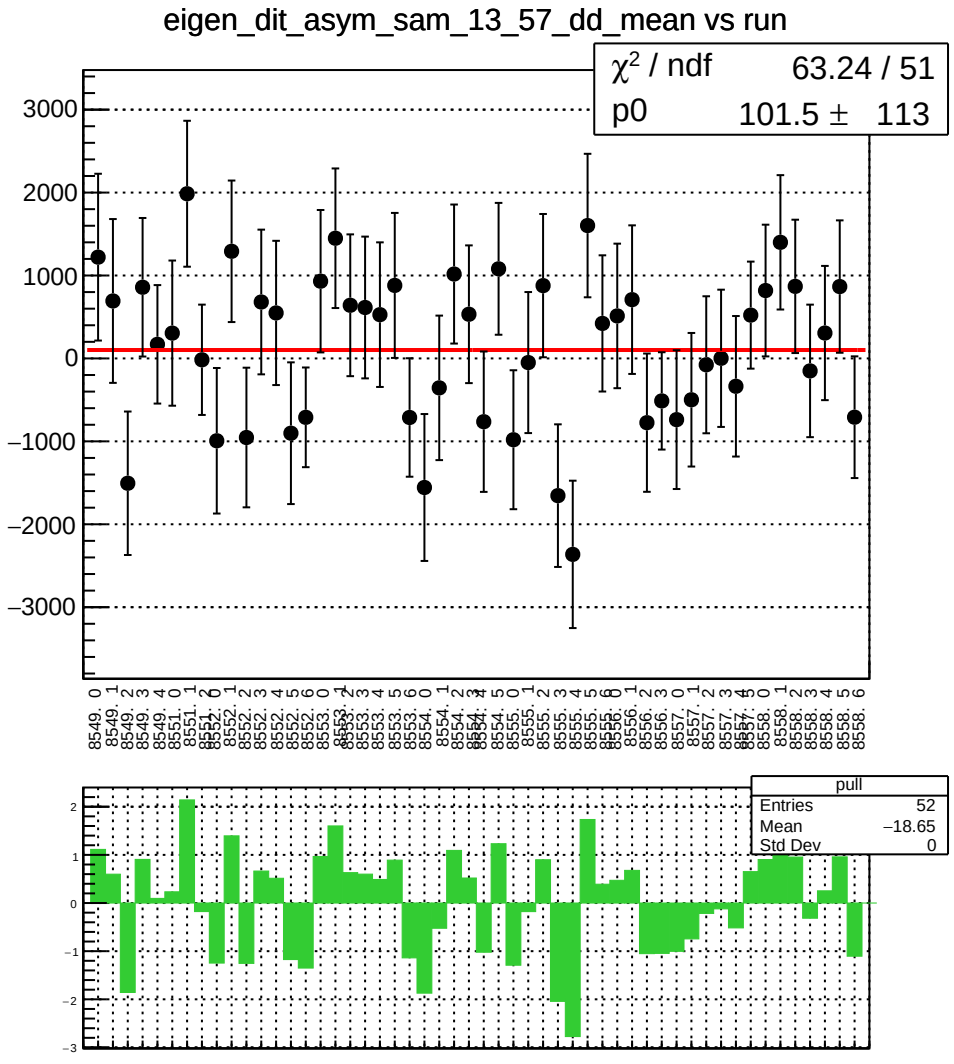
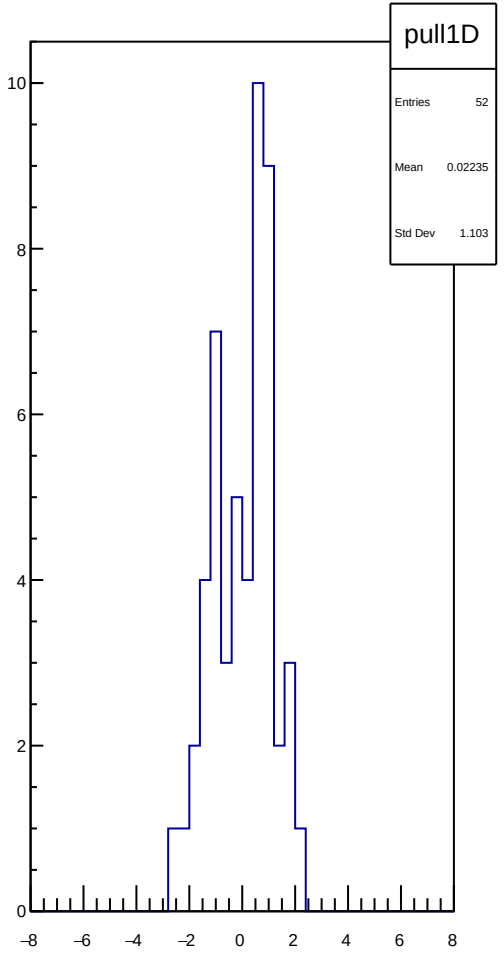
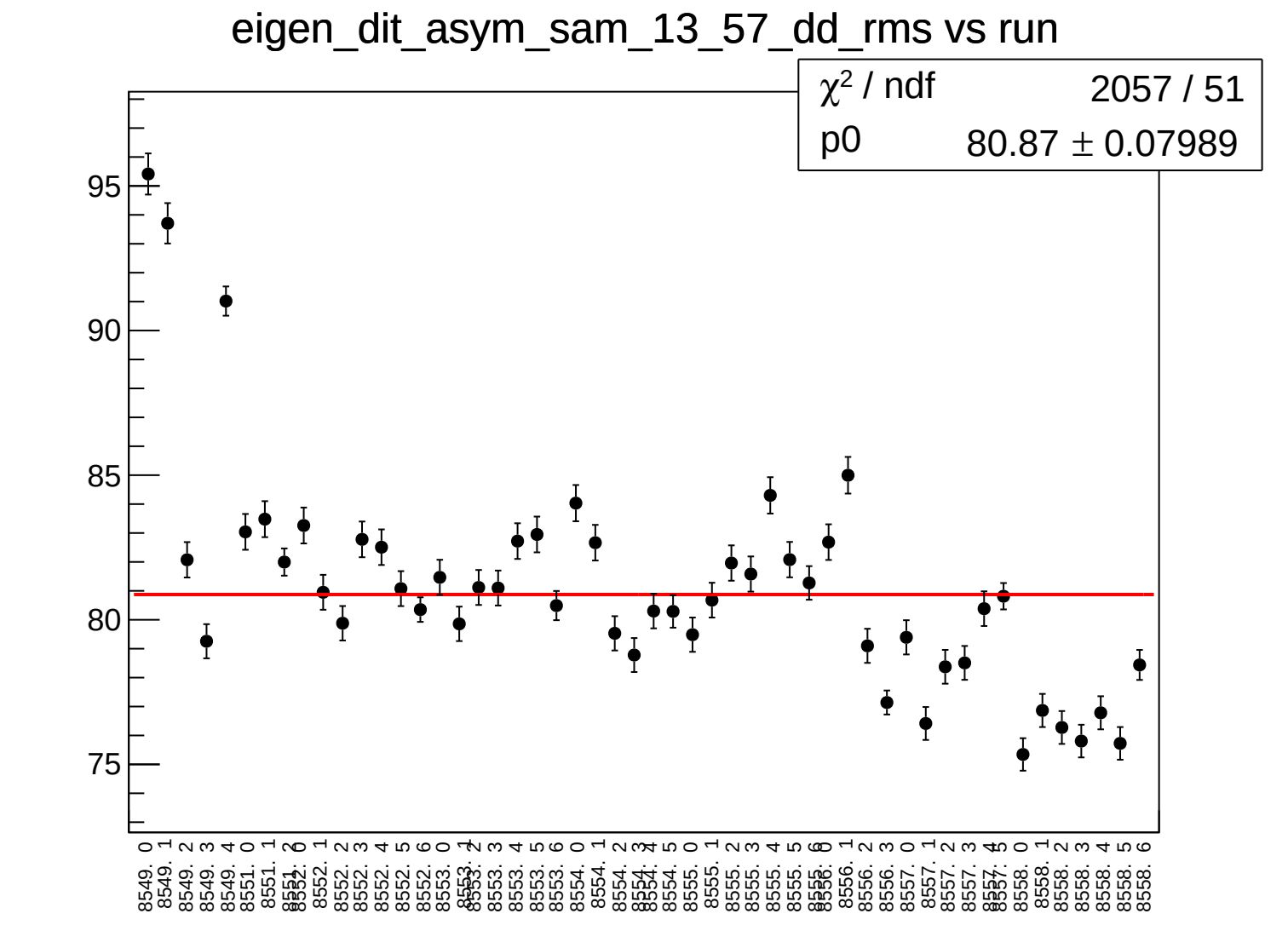

eigen_dit_asym_sam_13_57_dd_mean vs run
χ² / ndf 63.24 / 51
p0 101.5 ± 113
pull
Entries 52
Mean −18.65
Std Dev 0


pull1D
Entries 52
Mean 0.02235
Std Dev 1.103


eigen_dit_asym_sam_13_57_dd_rms vs run
χ² / ndf 2057 / 51
p0 80.87 ± 0.07989
95
90
85
80
75
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
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8552. 5
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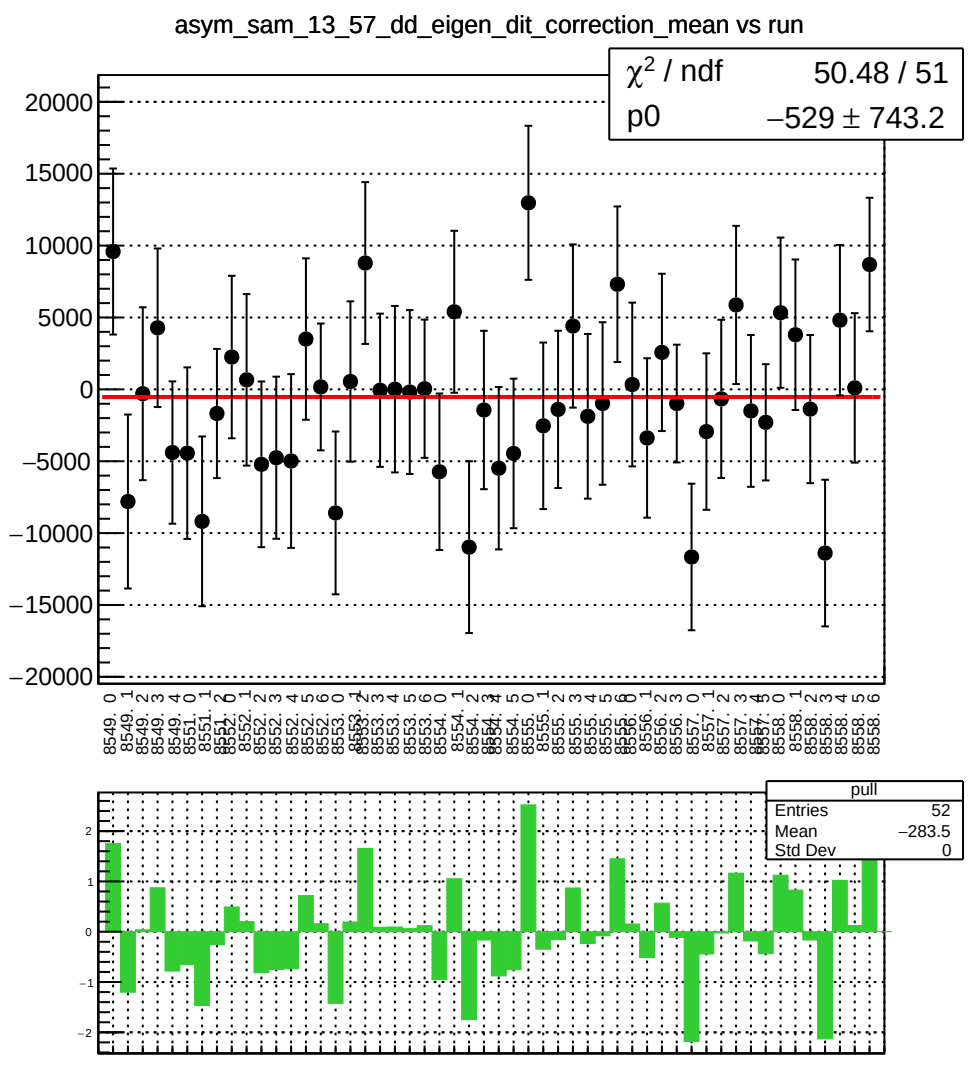
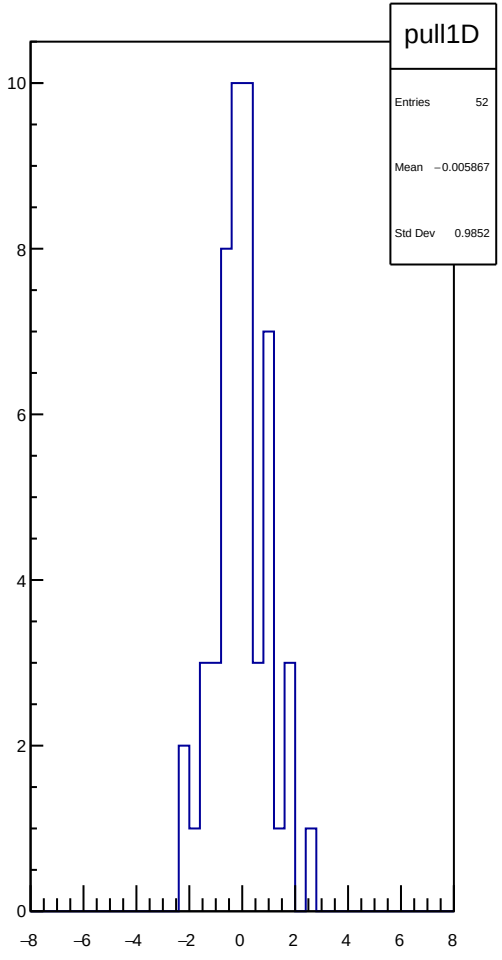
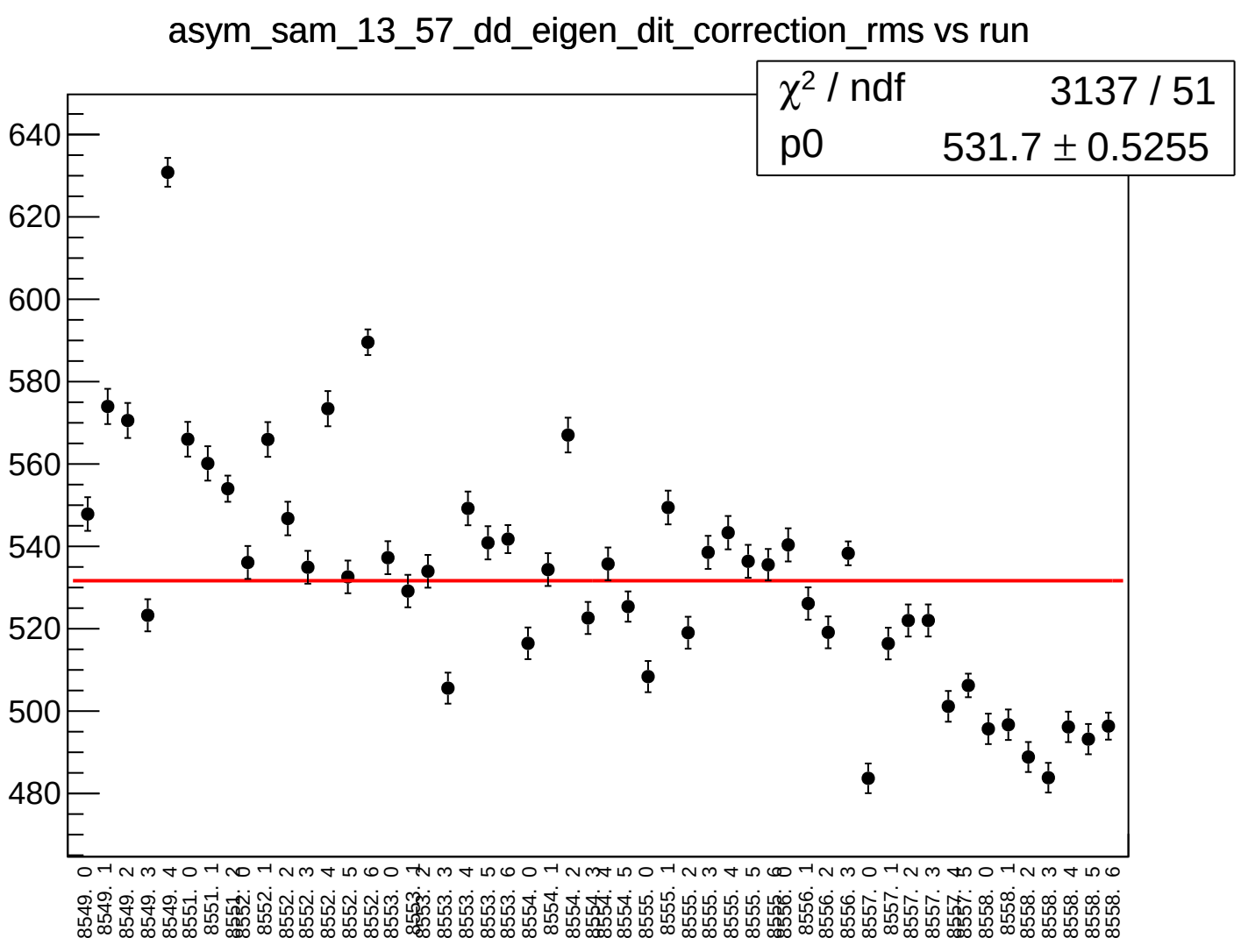

asym_sam_13_57_dd_eigen_dit_correction_mean vs run
χ² / ndf 50.48 / 51
p0 −529 ± 743.2
pull
Entries 52
Mean −283.5
Std Dev 0


pull1D
Entries 52
Mean −0.005867
Std Dev 0.9852


asym_sam_13_57_dd_eigen_dit_correction_rms vs run
χ² / ndf 3137 / 51
p0 531.7 ± 0.5255
640
620
600
580
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8549. 0
8549. 1
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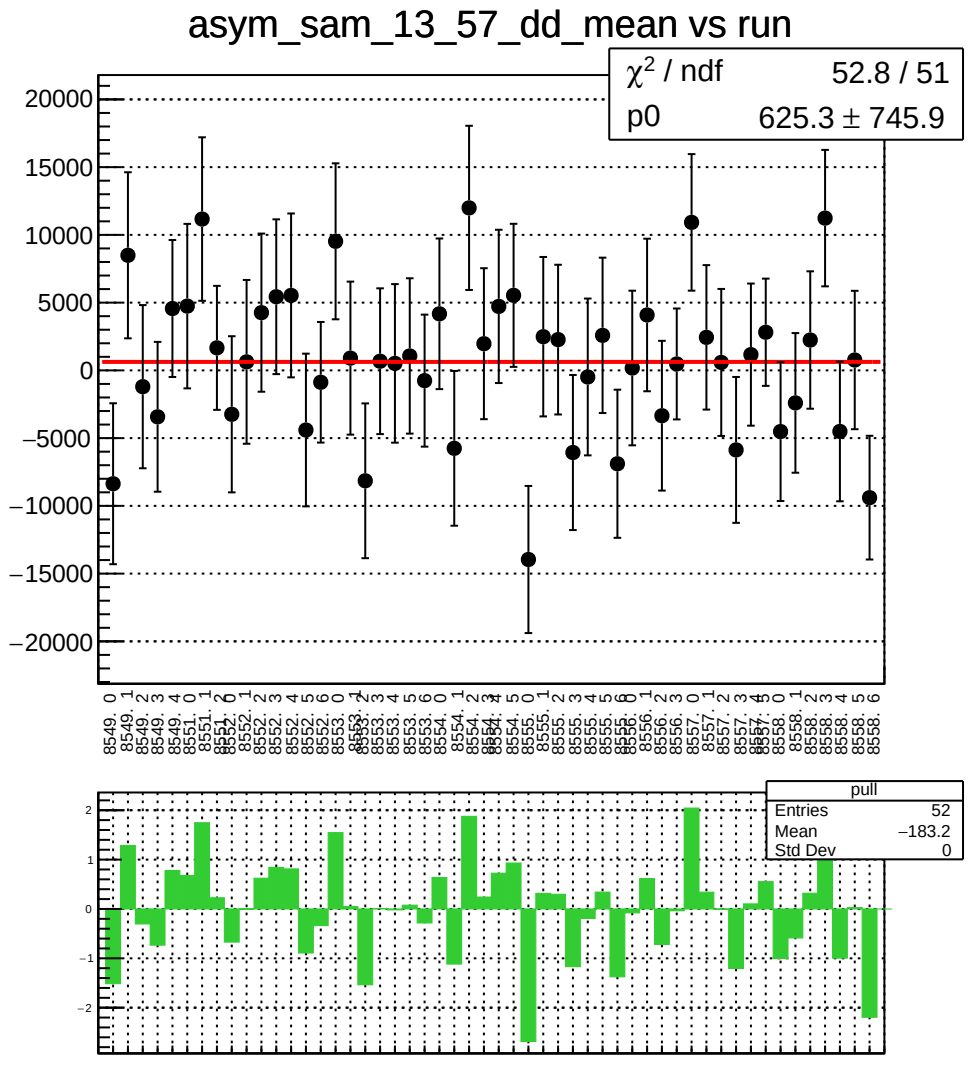
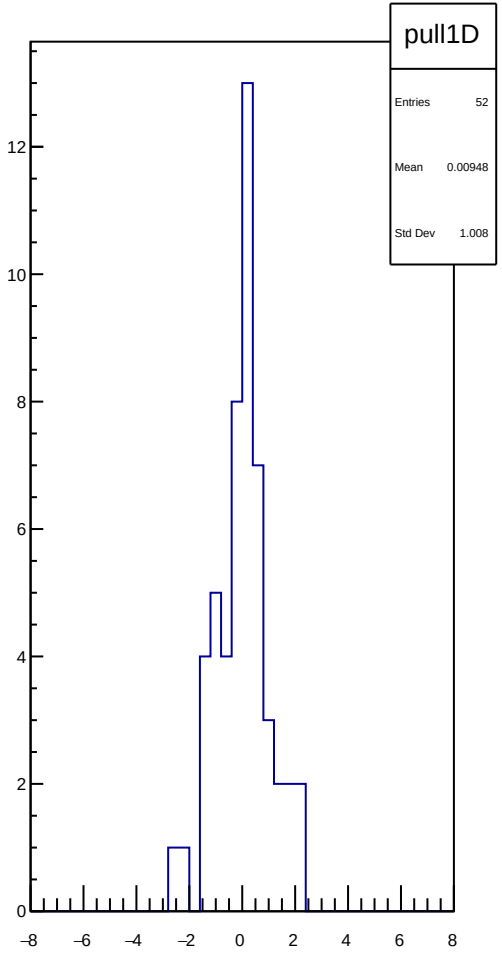
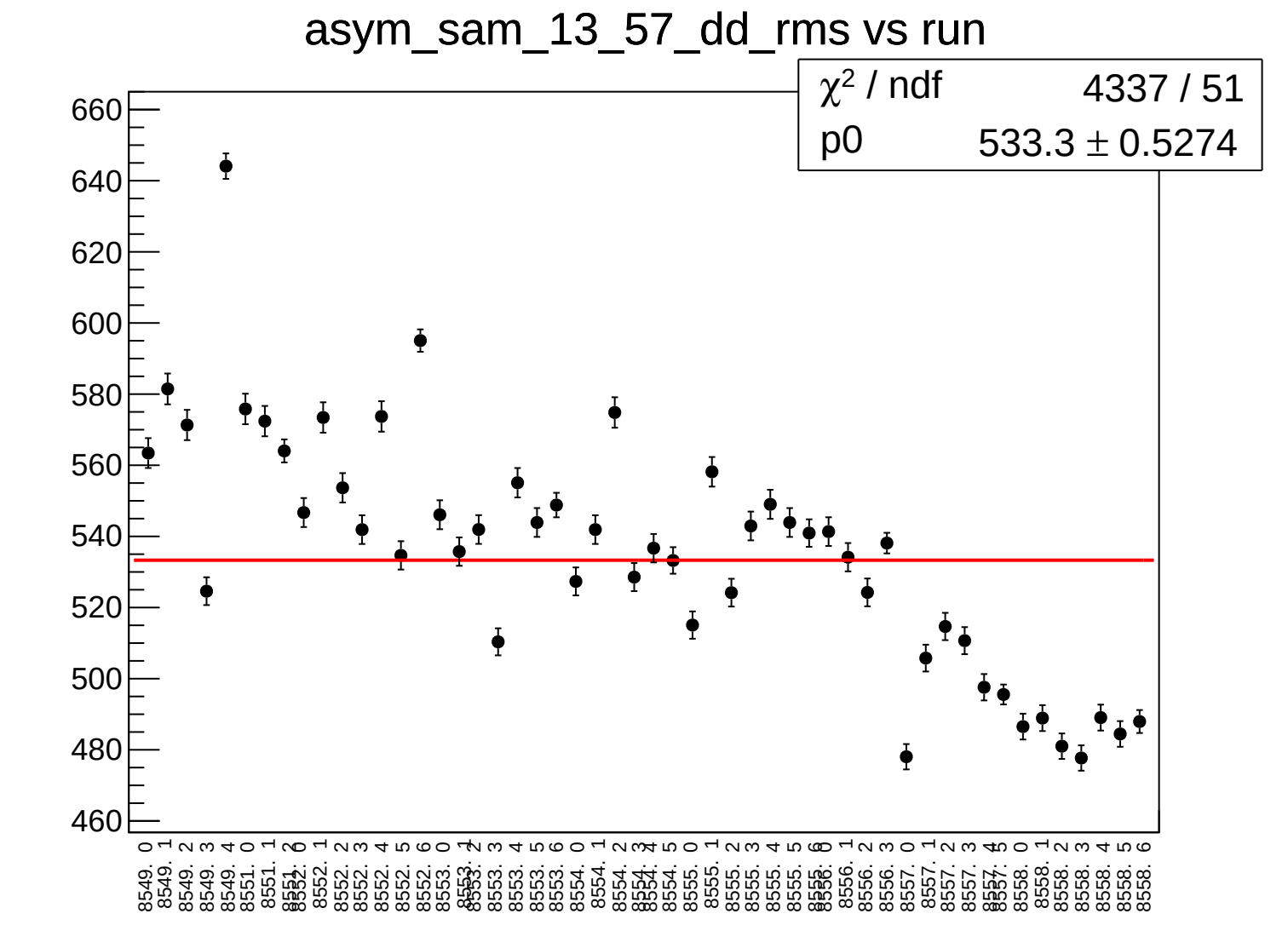

asym_sam_13_57_dd_mean vs run
χ² / ndf 52.8 / 51
p0 625.3 ± 745.9
pull
Entries 52
Mean −183.2
Std Dev 0


pull1D
Entries 52
Mean 0.00948
Std Dev 1.008


asym_sam_13_57_dd_rms vs run
χ² / ndf 4337 / 51
p0 533.3 ± 0.5274
660
640
620
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560
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520
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480
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8549. 0
8549. 1
8549. 2
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8551. 0
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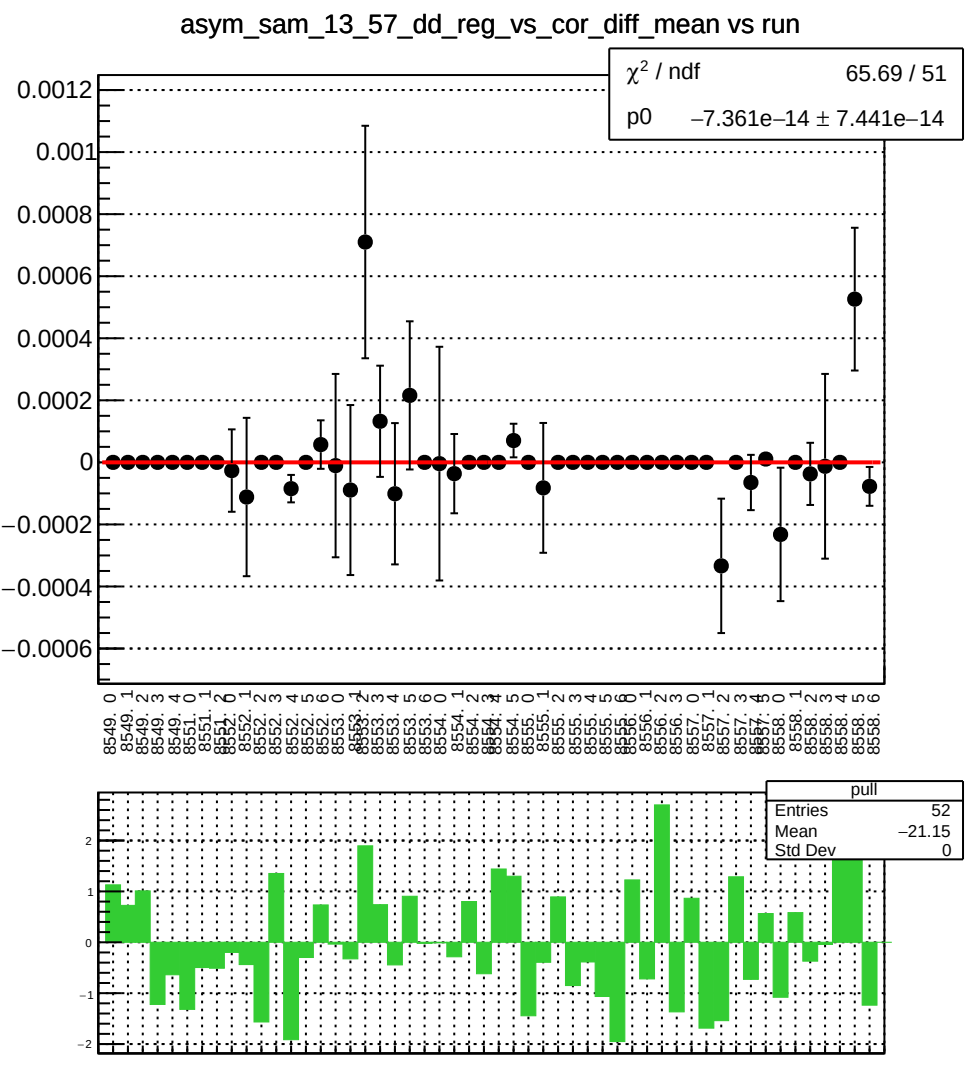
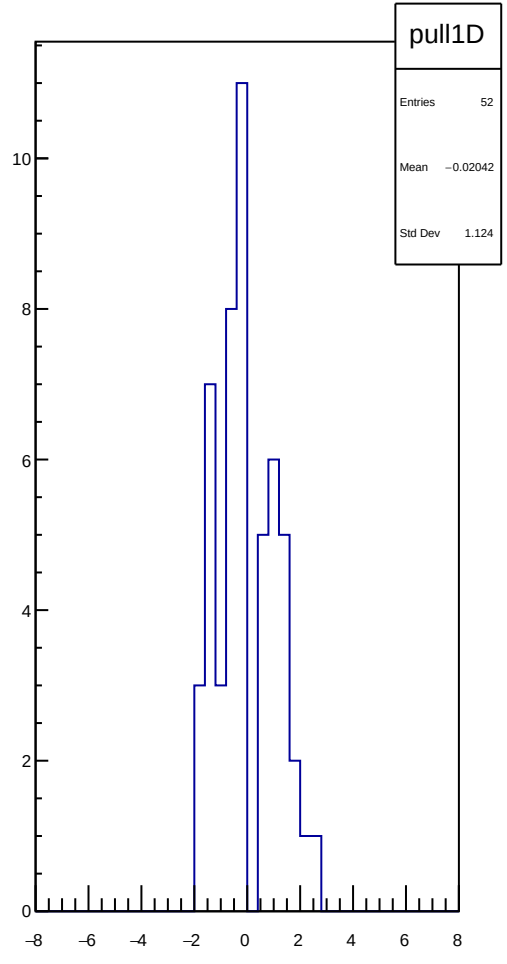
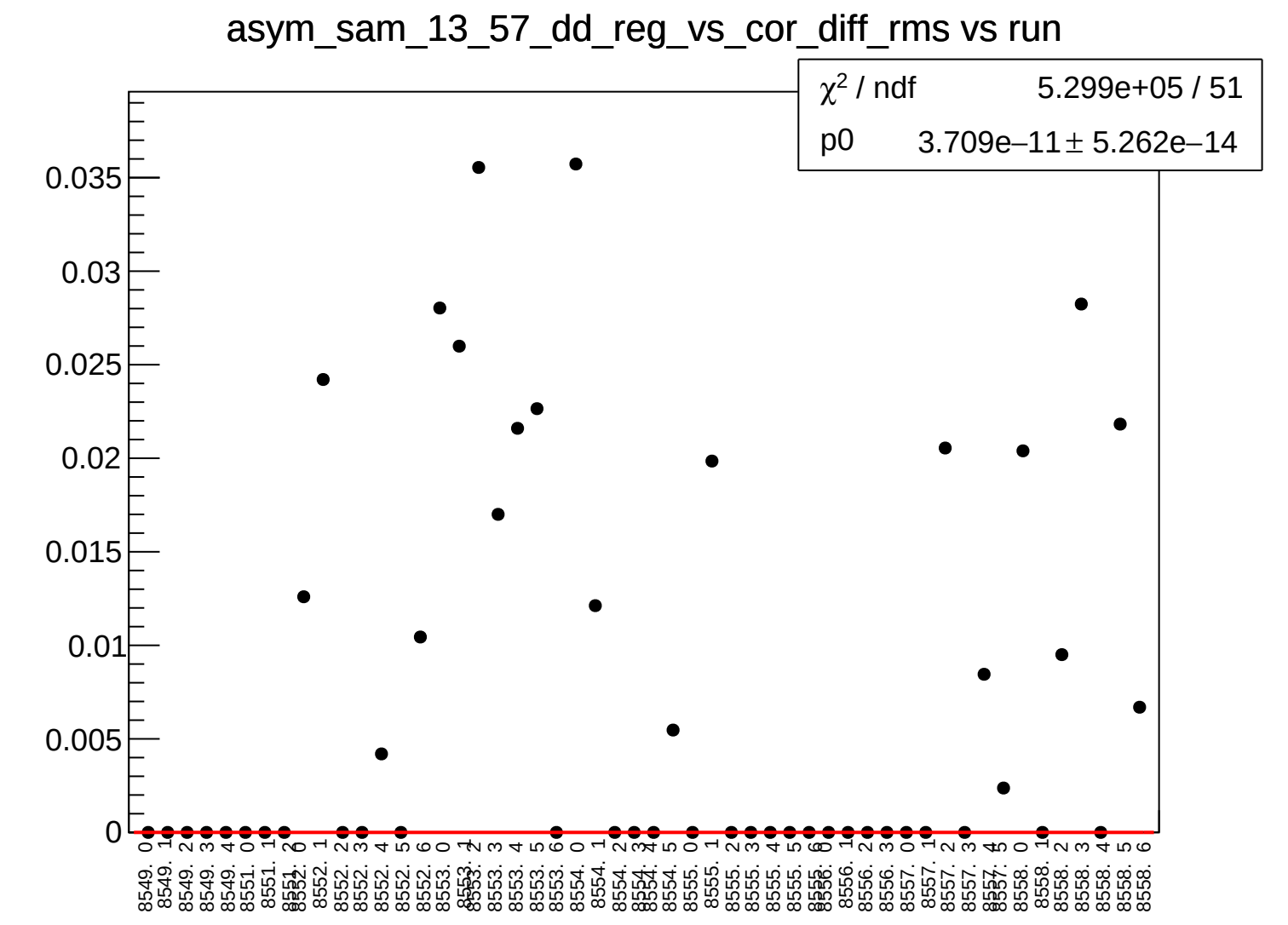
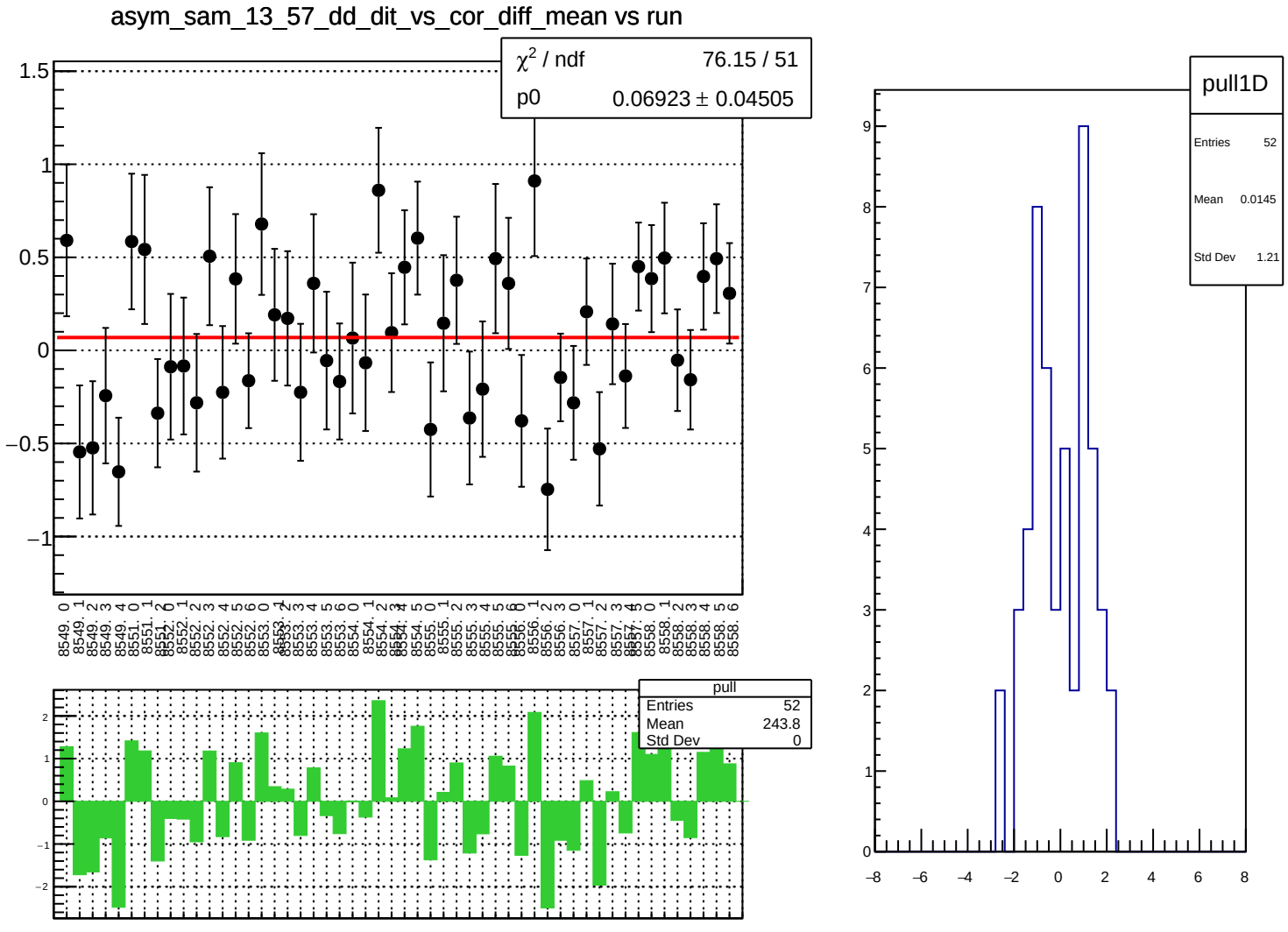
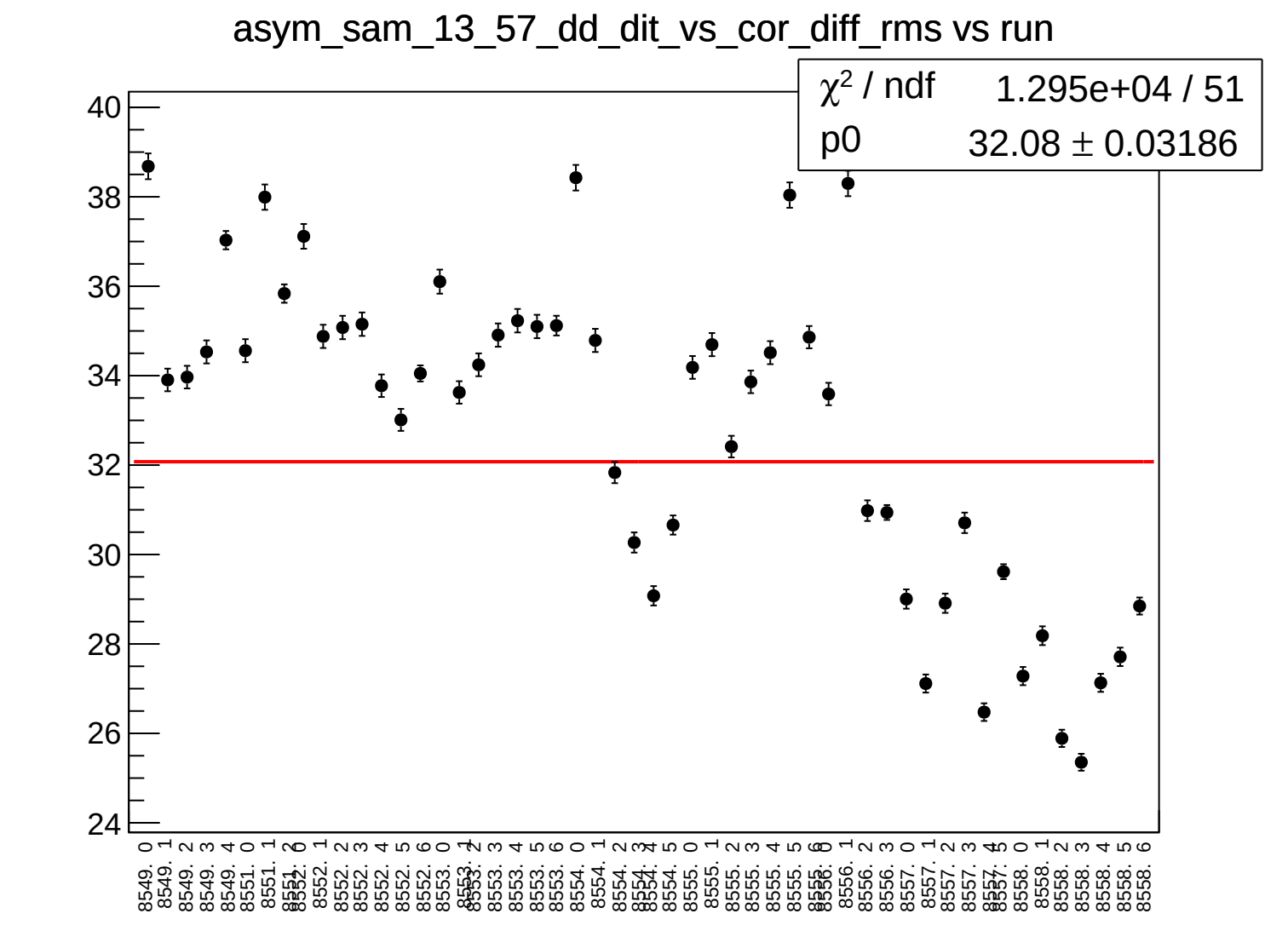

asym_sam_13_57_dd_reg_vs_cor_diff_mean vs run
χ² / ndf 65.69 / 51
p0 −7.361e−14 ± 7.441e−14
pull
Entries 52
Mean −21.15
Std Dev 0


pull1D
Entries 52
Mean −0.02042
Std Dev 1.124


asym_sam_13_57_dd_reg_vs_cor_diff_rms vs run
χ² / ndf 5.299e+05 / 51
p0 3.709e−11 ± 5.262e−14
0.035
0.03
0.025
0.02
0.015
0.01
0.005
0
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 2
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 5
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6


asym_sam_13_57_dd_dit_vs_cor_diff_mean vs run
χ² / ndf 76.15 / 51
p0 0.06923 ± 0.04505
pull
Entries 52
Mean 243.8
Std Dev 0
pull1D
Entries 52
Mean 0.0145
Std Dev 1.21


asym_sam_13_57_dd_dit_vs_cor_diff_rms vs run
χ² / ndf 1.295e+04 / 51
p0 32.08 ± 0.03186
40
38
36
34
32
30
28
26
24
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
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8557. 3
8558. 0
8558. 1
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8558. 3
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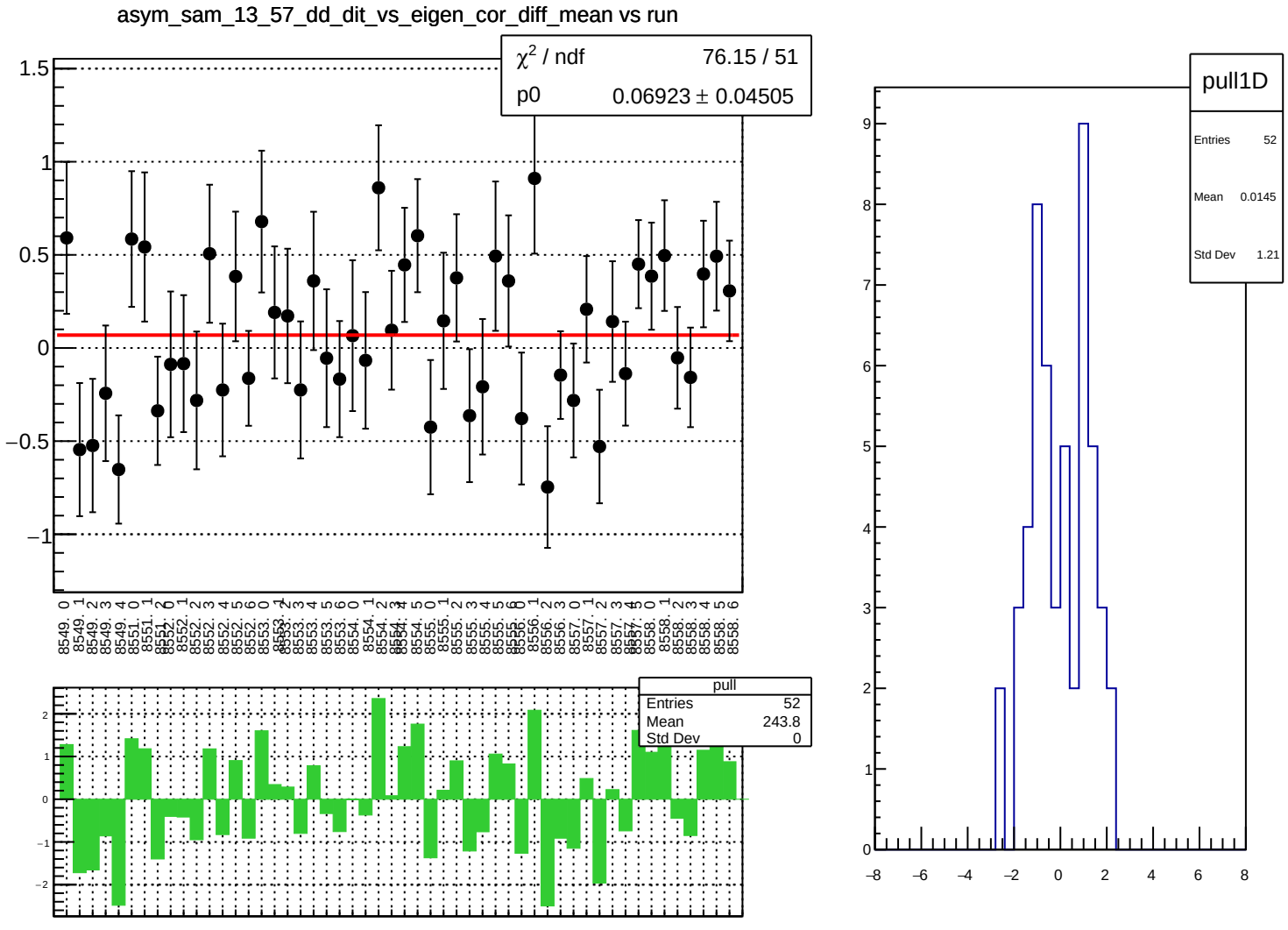
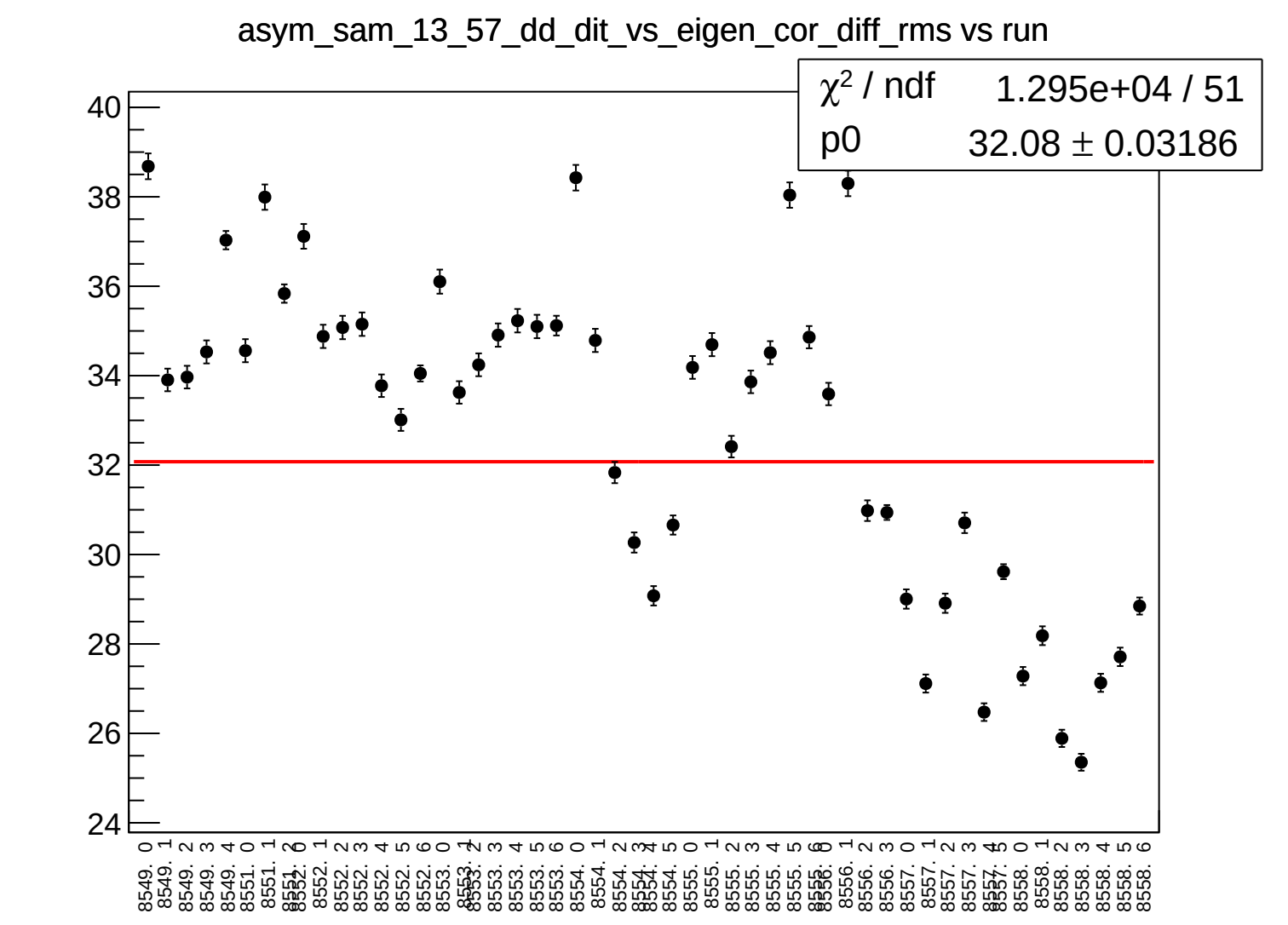
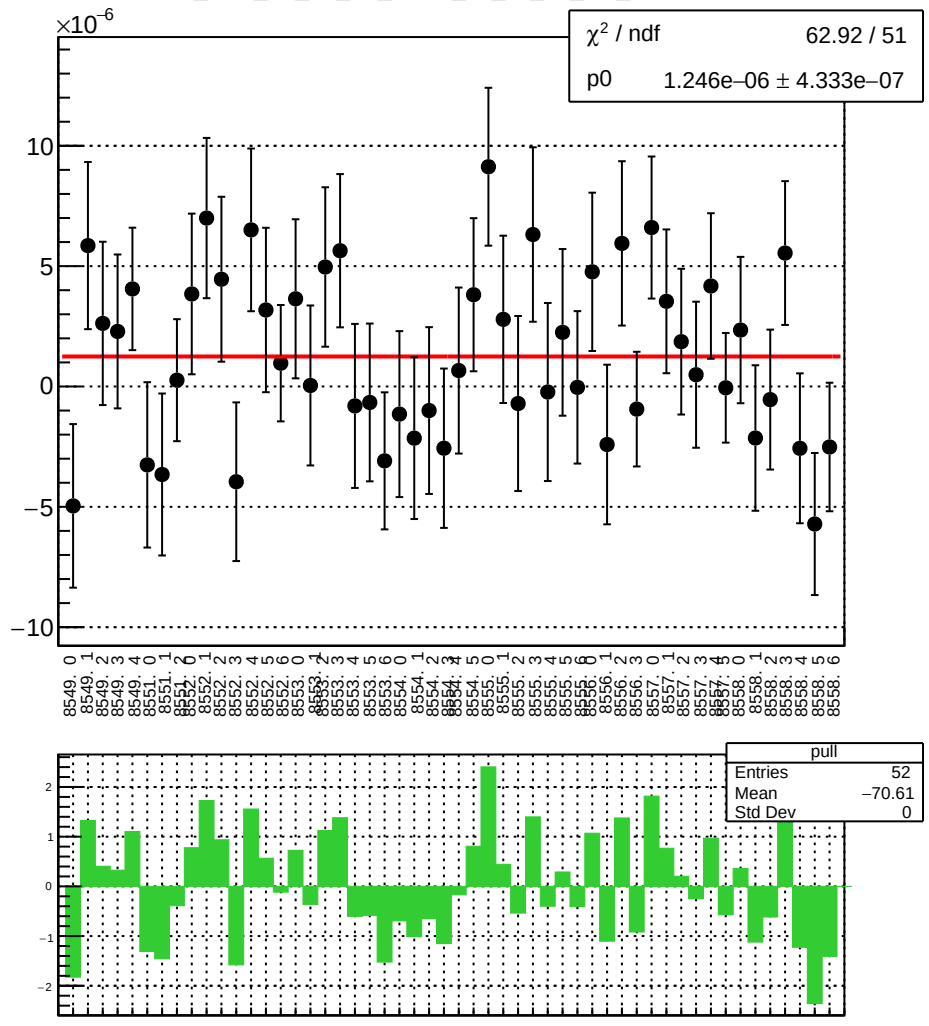
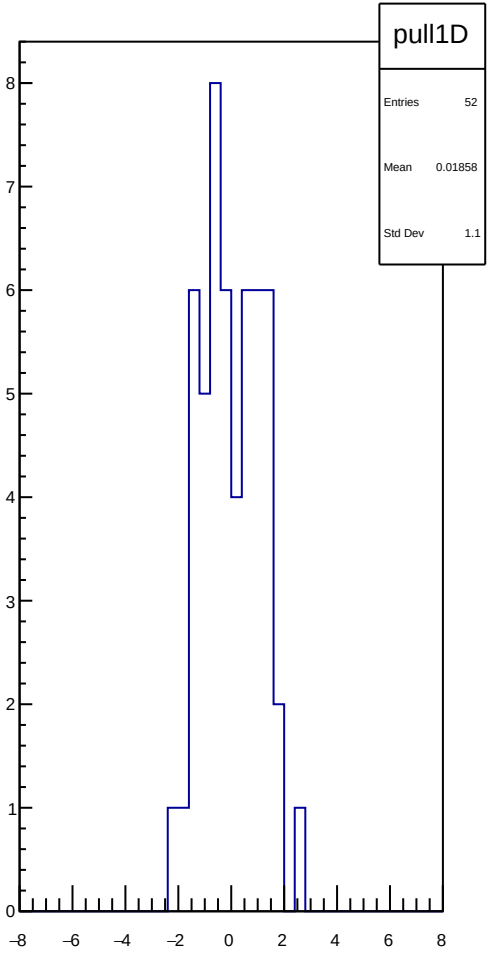
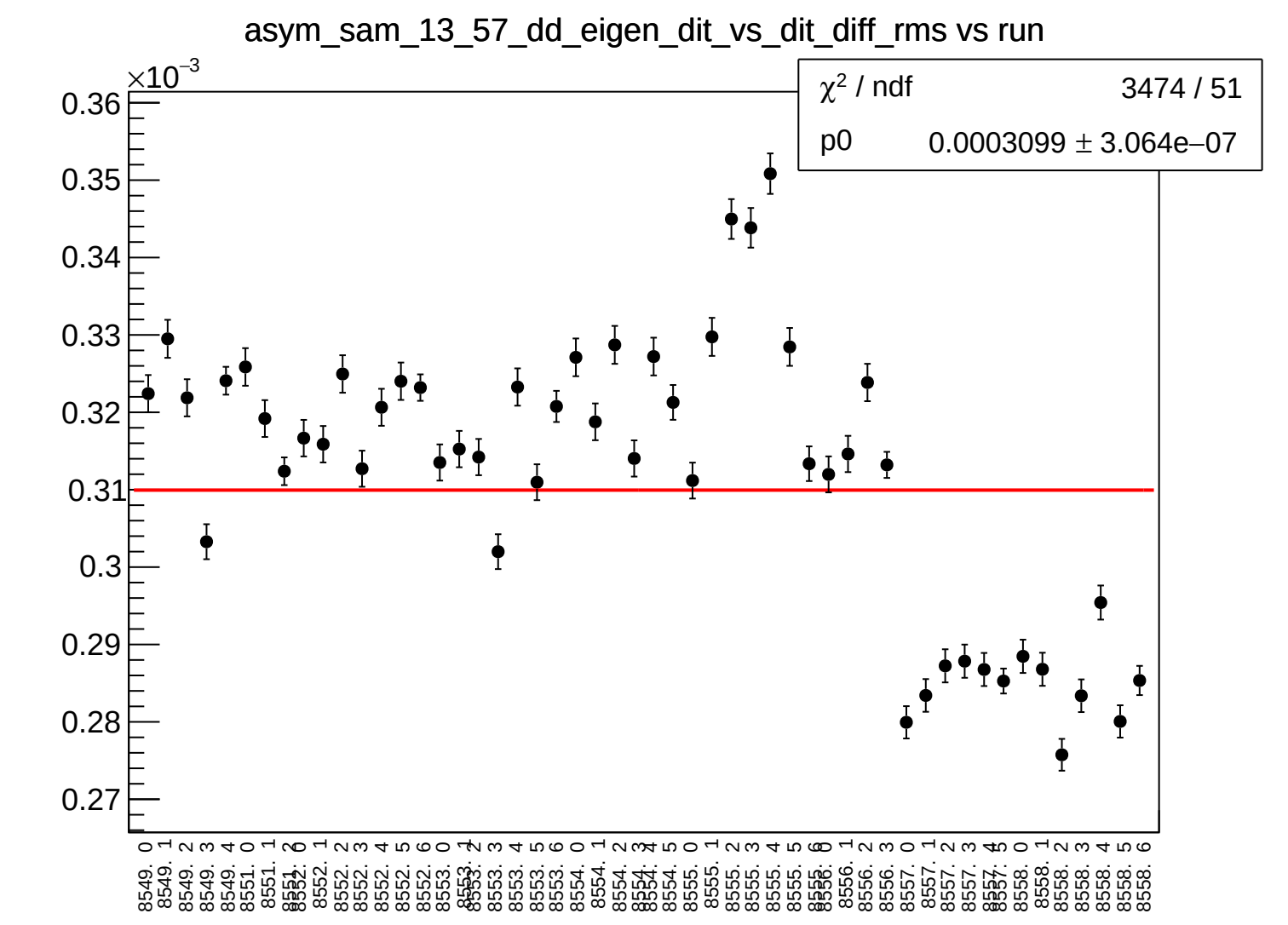
8558. 5
8558. 6

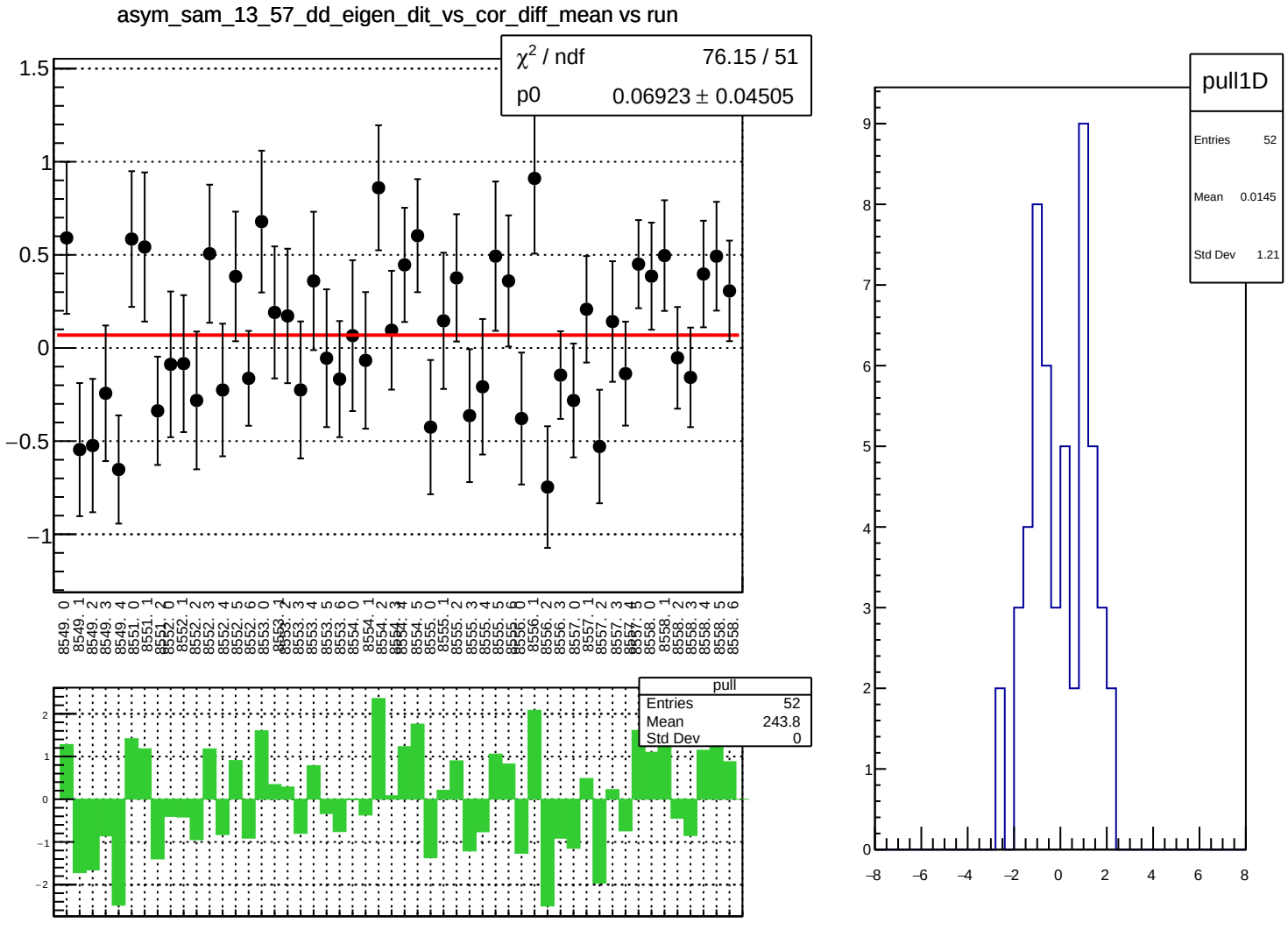

asym_sam_13_57_dd_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 76.15 / 51
p0 0.06923 ± 0.04505
pull
Entries 52
Mean 243.8
Std Dev 0
pull1D
Entries 52
Mean 0.0145
Std Dev 1.21

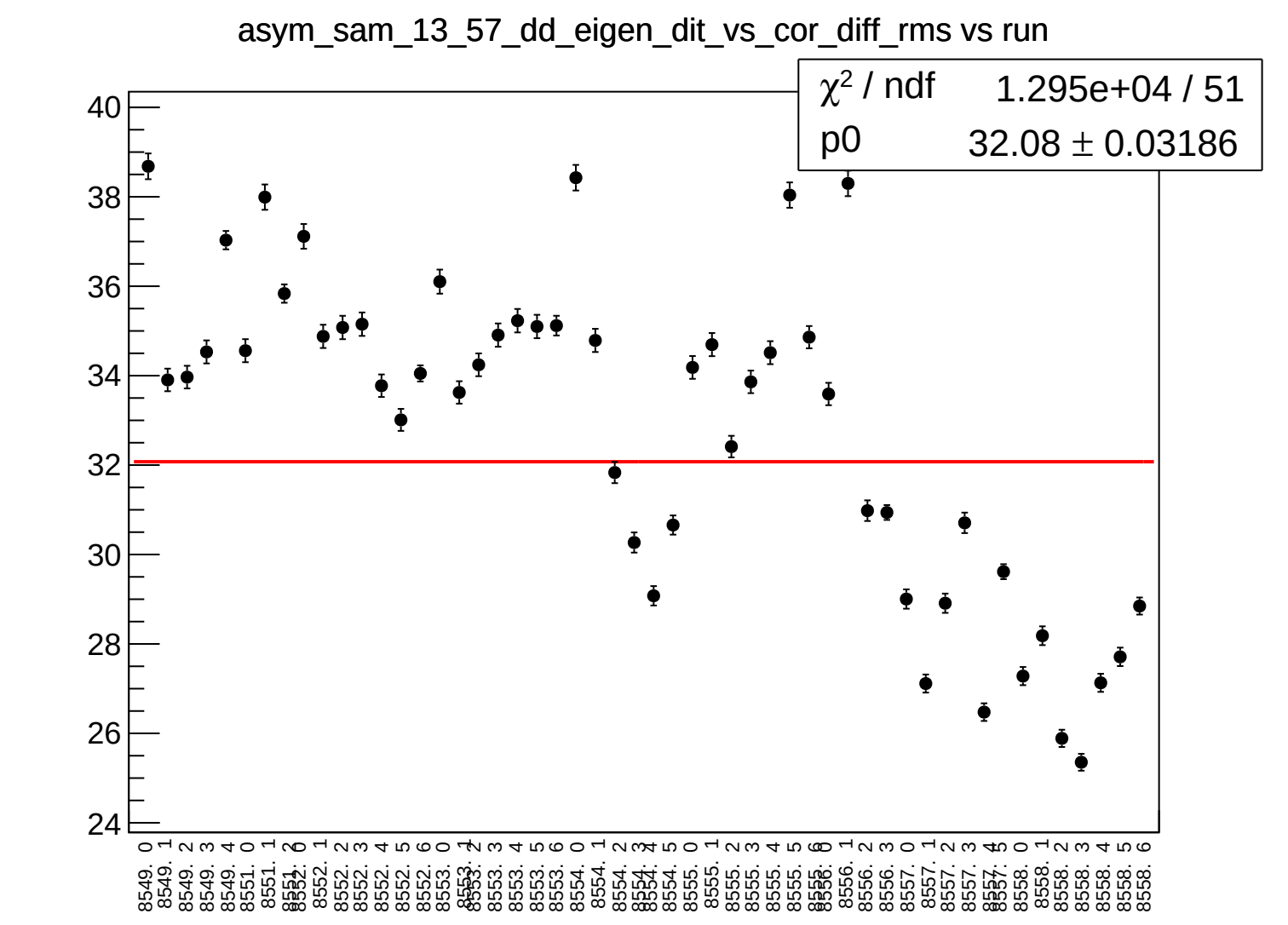

asym_sam_13_57_dd_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.295e+04 / 51
p0 32.08 ± 0.03186
40
38
36
34
32
30
28
26
24
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

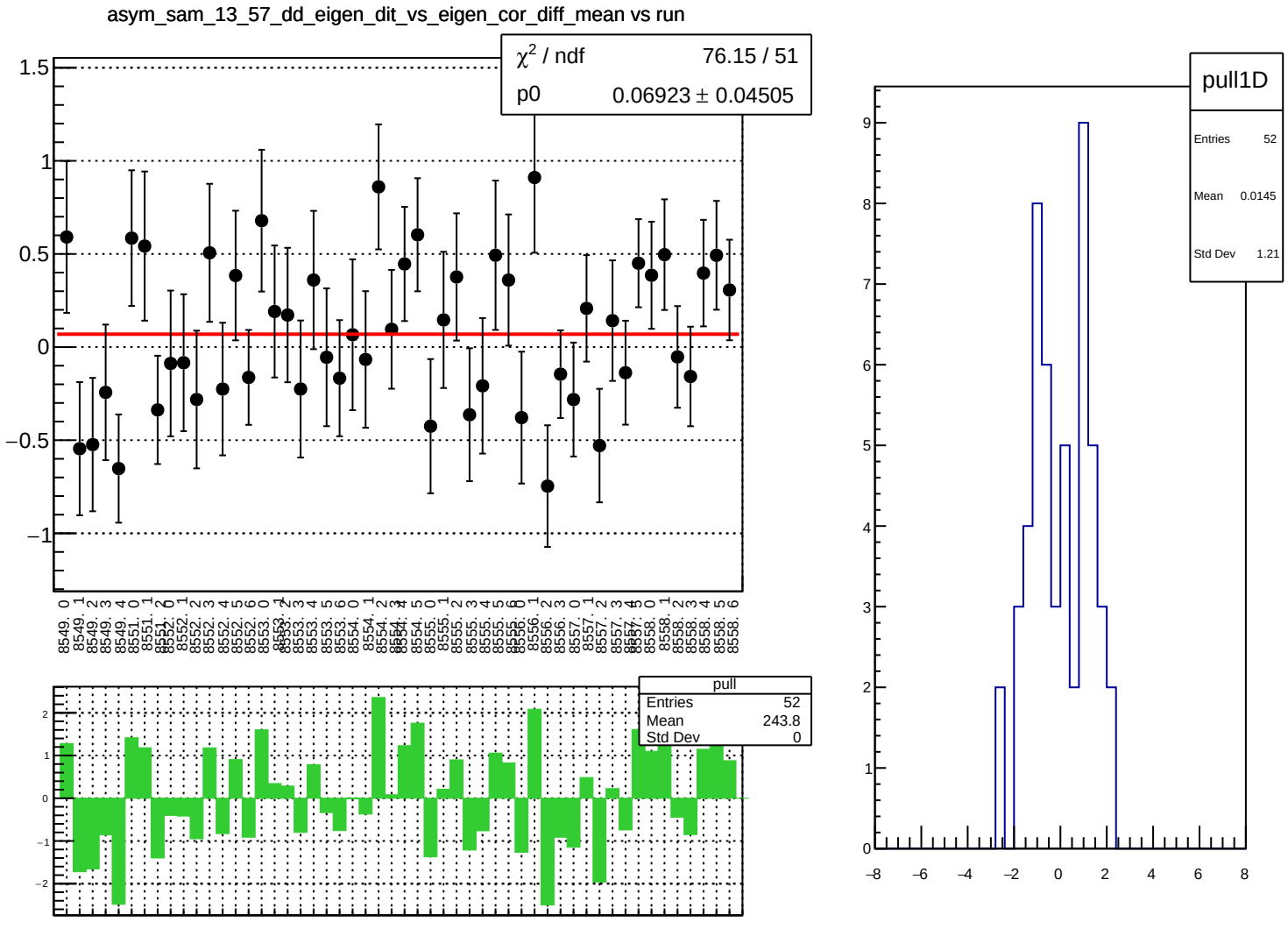

asym_sam_13_57_dd_eigen_dit_vs_dit_diff_mean vs run
×10⁻⁶
χ² / ndf 62.92 / 51
p0 1.246e−06 ± 4.333e−07
10
5
0
−5
−10
pull
Entries 52
Mean −70.61
Std Dev 0
2
1
0
−1
−2

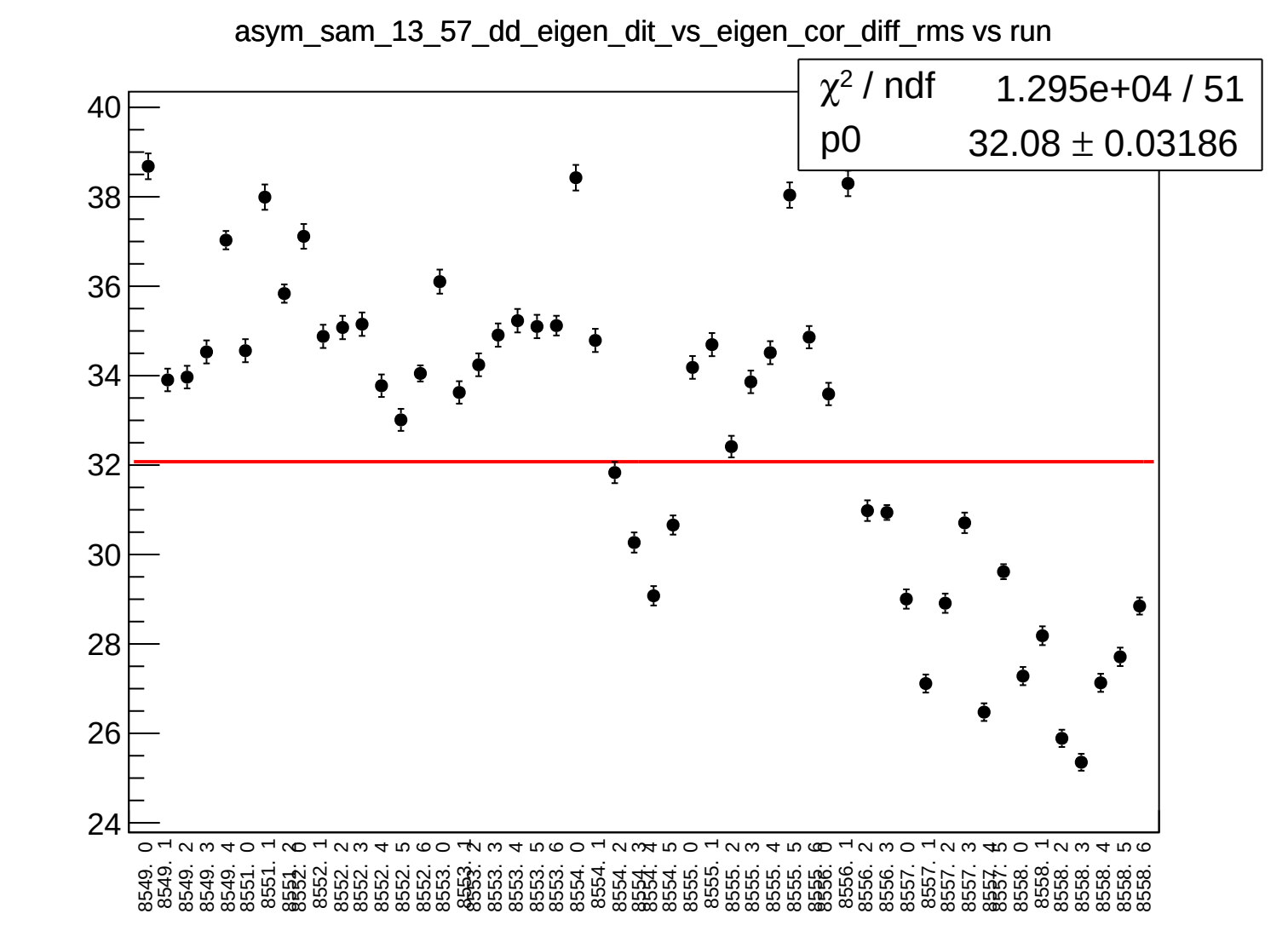

pull1D
Entries 52
Mean 0.01858
Std Dev 1.1
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

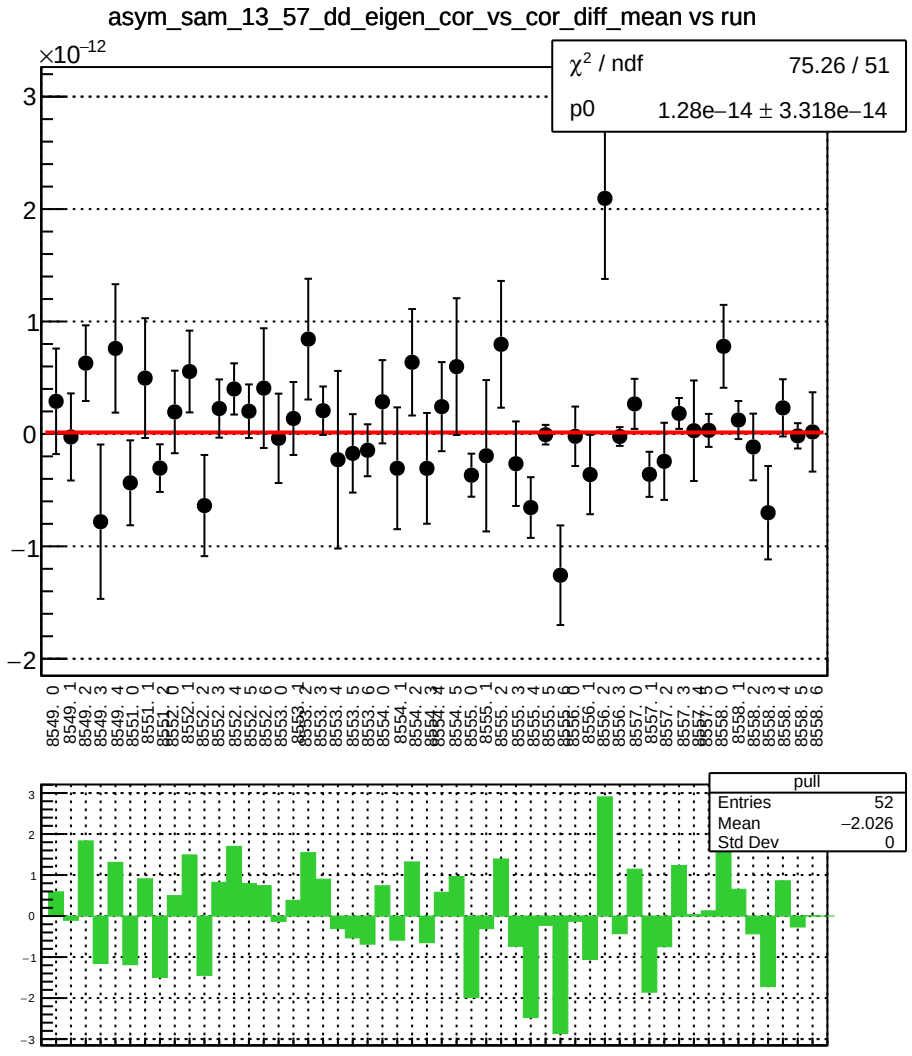

asym_sam_13_57_dd_eigen_dit_vs_dit_diff_rms vs run
×10⁻³
χ² / ndf 3474 / 51
p0 0.0003099 ± 3.064e−07
0.36
0.35
0.34
0.33
0.32
0.31
0.3
0.29
0.28
0.27
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 5
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

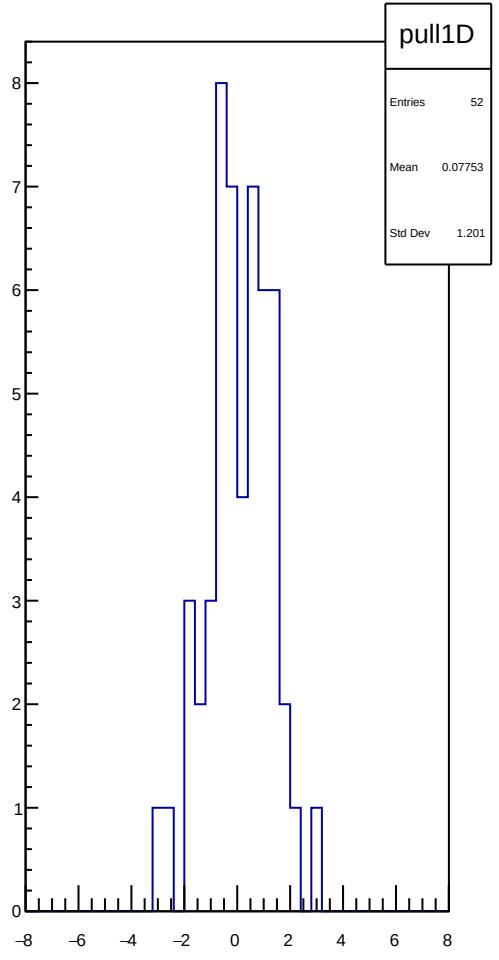

asym_sam_13_57_dd_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 76.15 / 51
p0 0.06923 ± 0.04505
pull
Entries 52
Mean 243.8
Std Dev 0
pull1D
Entries 52
Mean 0.0145
Std Dev 1.21

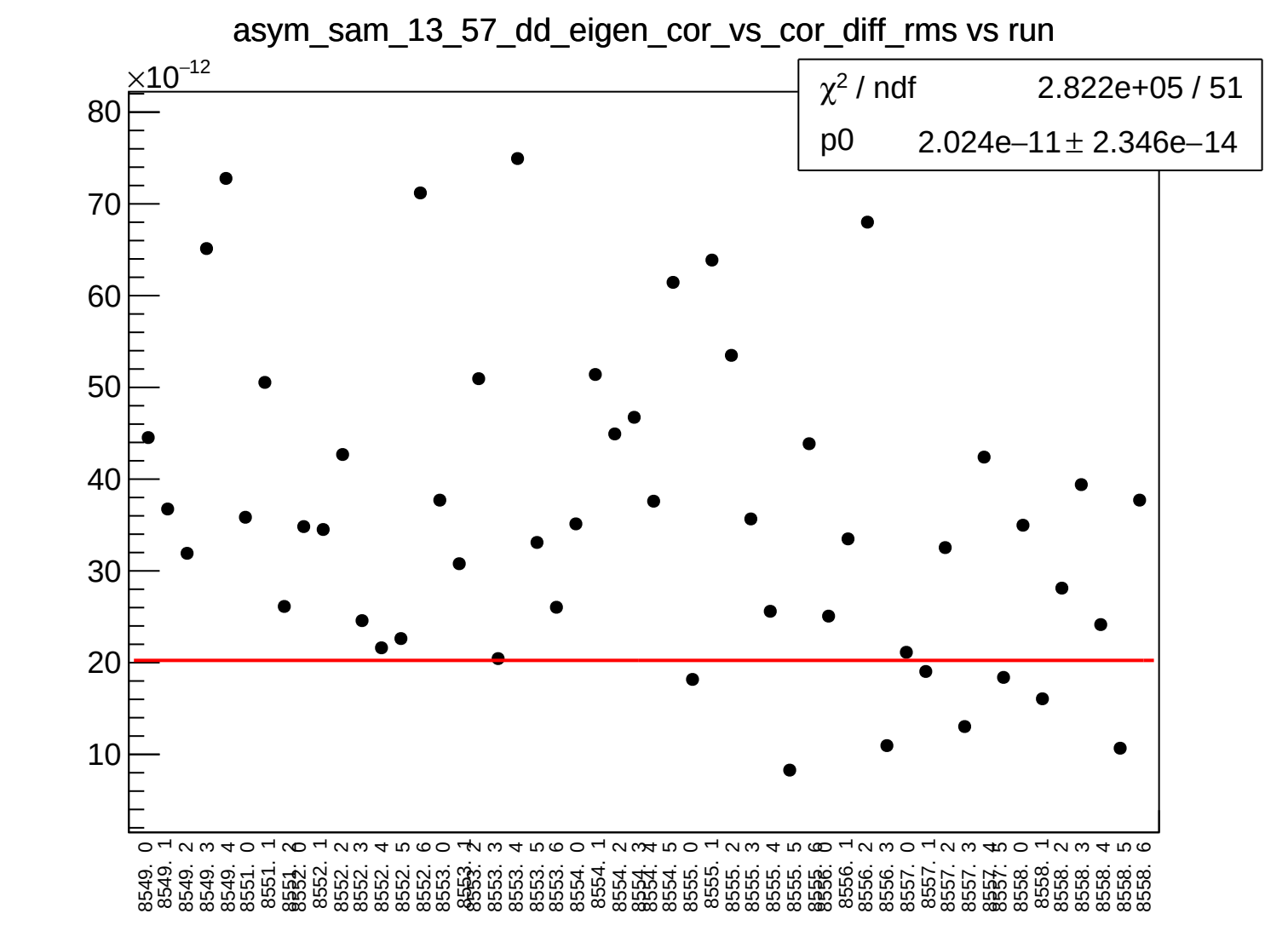

asym_sam_13_57_dd_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 1.295e+04 / 51
p0 32.08 ± 0.03186
40
38
36
34
32
30
28
26
24
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

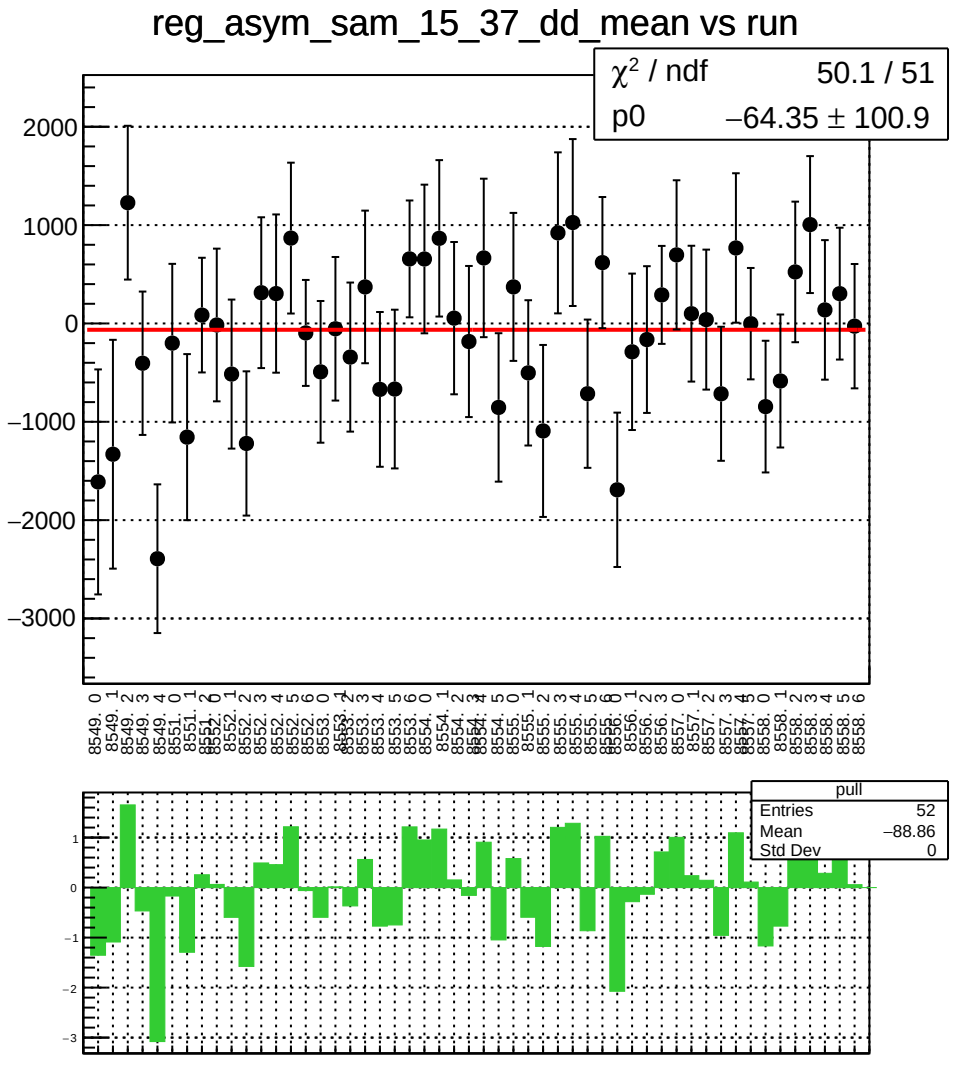

asym_sam_13_57_dd_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 76.15 / 51
p0 0.06923 ± 0.04505
pull
Entries 52
Mean 243.8
Std Dev 0
pull1D
Entries 52
Mean 0.0145
Std Dev 1.21

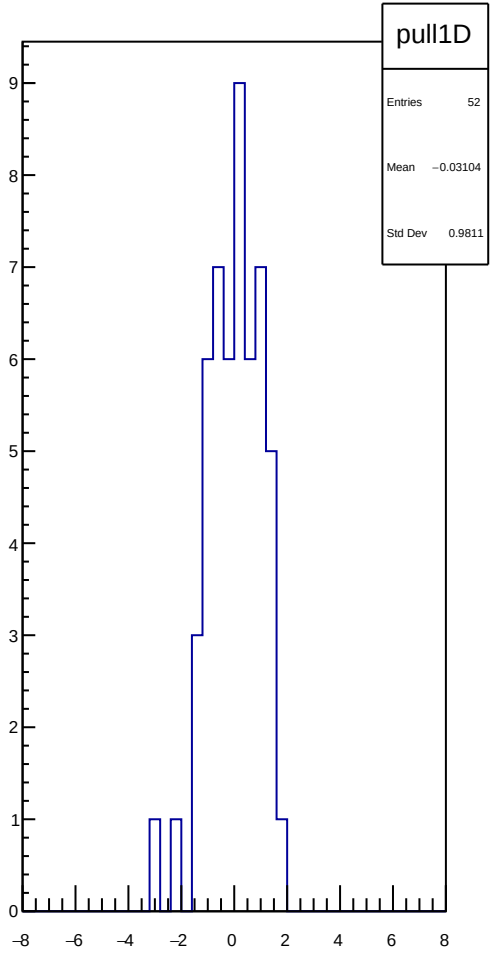

asym_sam_13_57_dd_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.295e+04 / 51
p0 32.08 ± 0.03186
40
38
36
34
32
30
28
26
24
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

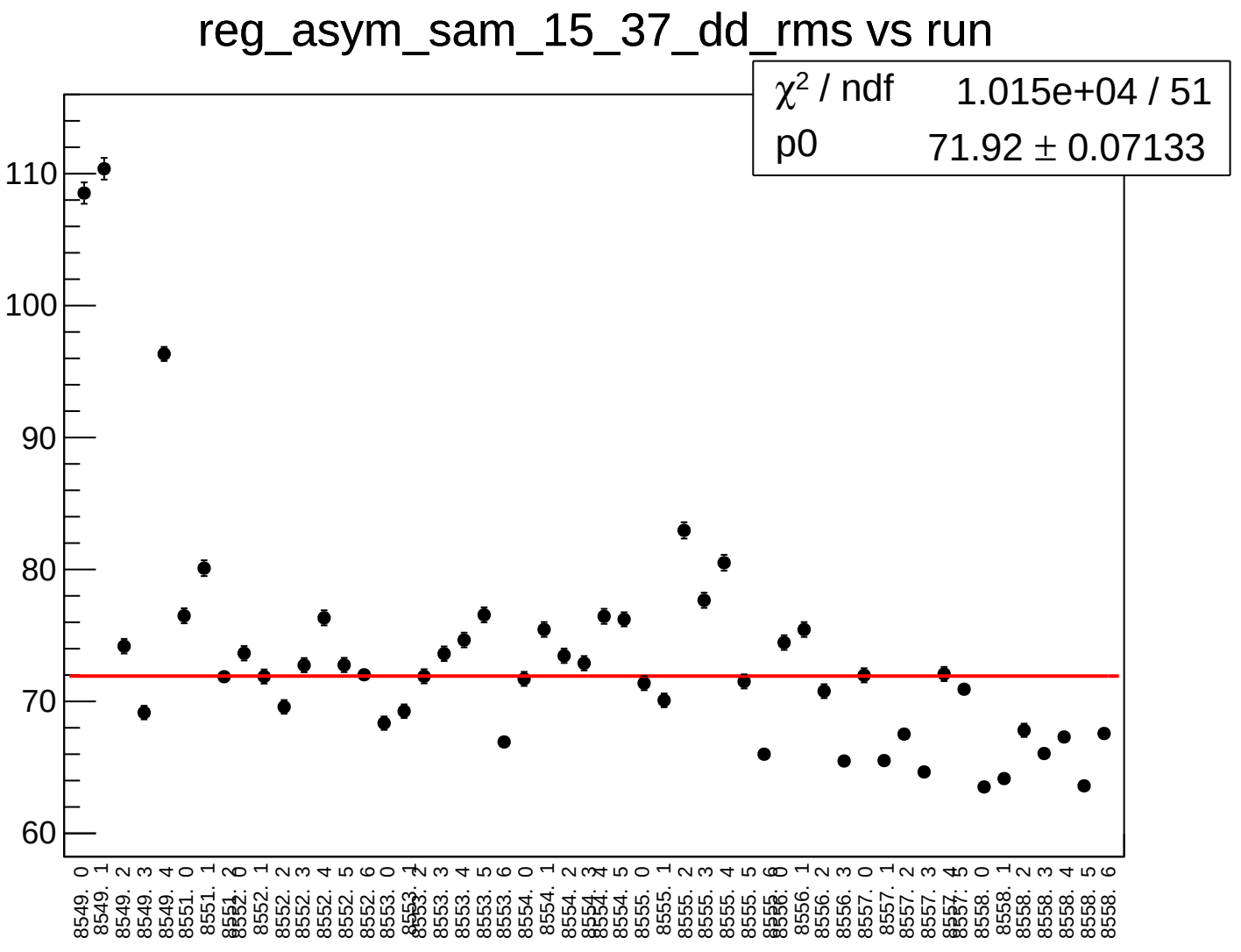

asym_sam_13_57_dd_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 75.26 / 51
p0 1.28e−14 ± 3.318e−14
pull
Entries 52
Mean −2.026
Std Dev 0

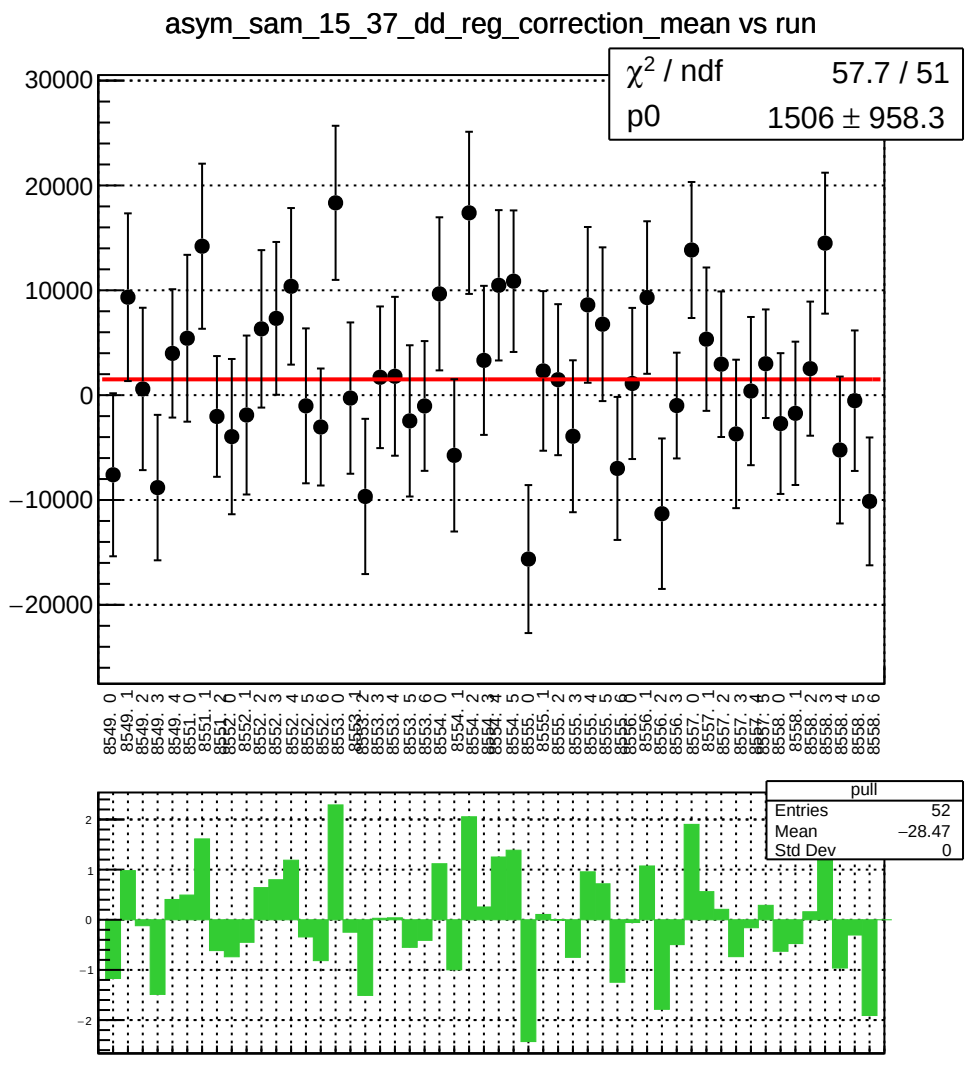

pull1D
Entries 52
Mean 0.07753
Std Dev 1.201

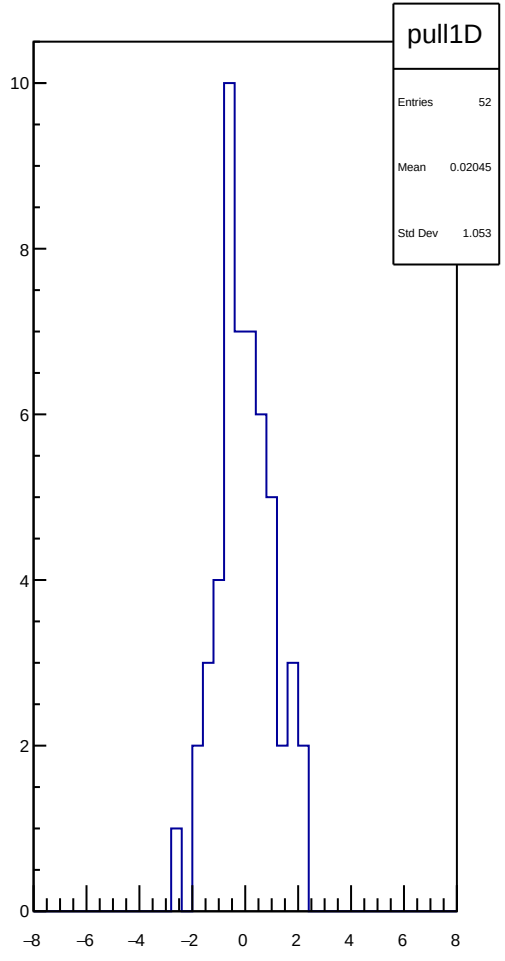

asym_sam_13_57_dd_eigen_cor_vs_cor_diff_rms vs run
×10⁻¹²
χ² / ndf 2.822e+05 / 51
p0 2.024e−11 ± 2.346e−14
80
70
60
50
40
30
20
10
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 5
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

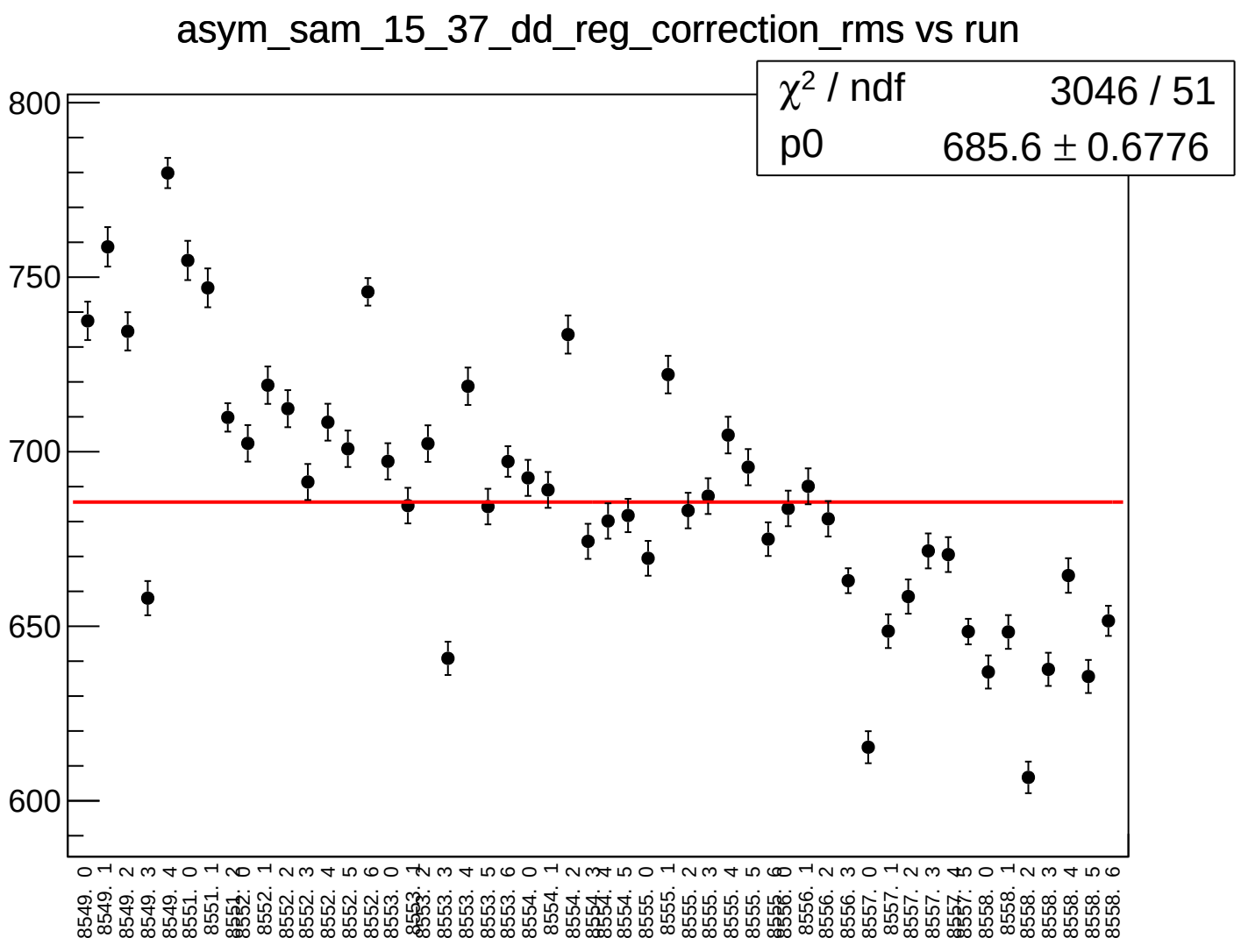

reg_asym_sam_15_37_dd_mean vs run
χ² / ndf 50.1 / 51
p0 −64.35 ± 100.9
2000
1000
0
−1000
−2000
−3000
pull
Entries 52
Mean −88.86
Std Dev 0

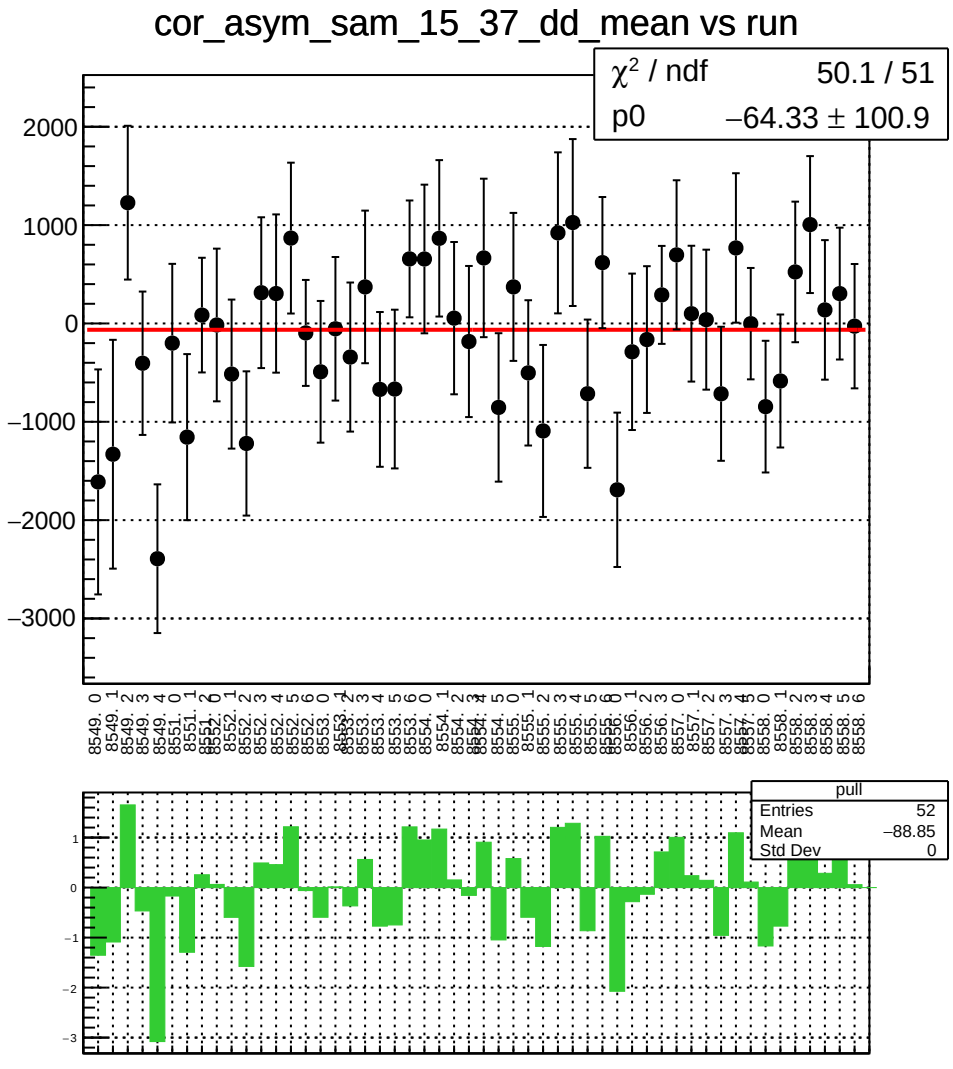

pull1D
Entries 52
Mean −0.03104
Std Dev 0.9811

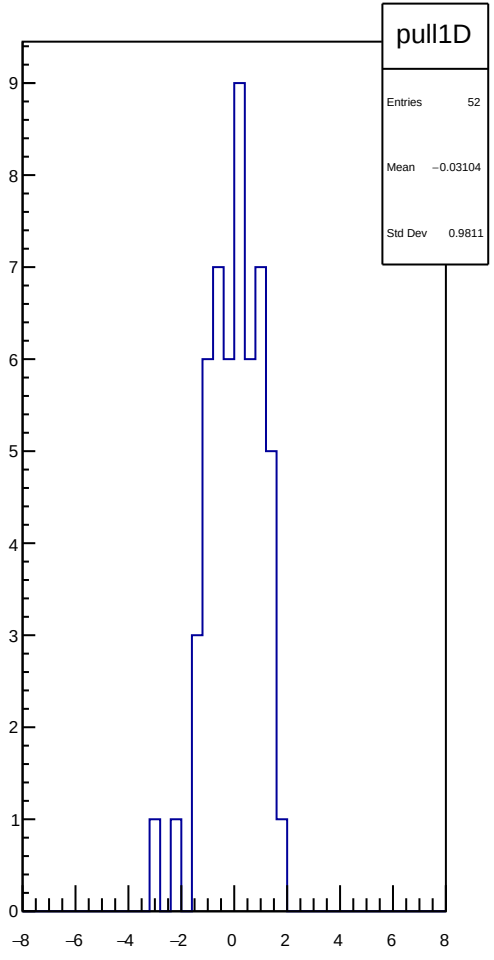

reg_asym_sam_15_37_dd_rms vs run
χ² / ndf 1.015e+04 / 51
p0 71.92 ± 0.07133
110
100
90
80
70
60
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 5
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

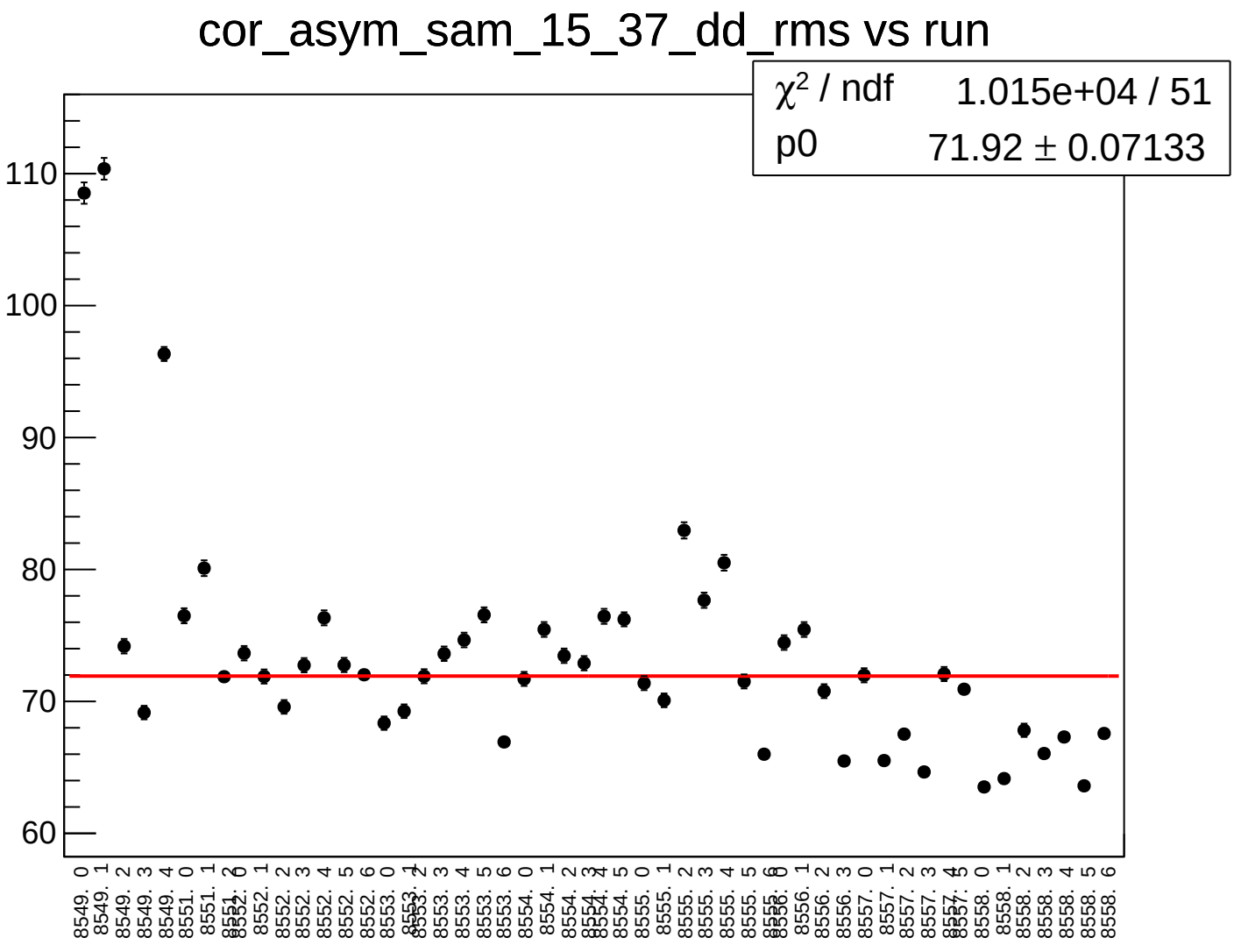

asym_sam_15_37_dd_reg_correction_mean vs run
χ² / ndf 57.7 / 51
p0 1506 ± 958.3
30000
20000
10000
0
−10000
−20000
pull
Entries 52
Mean −28.47
Std Dev 0
2
1
0
−1
−2

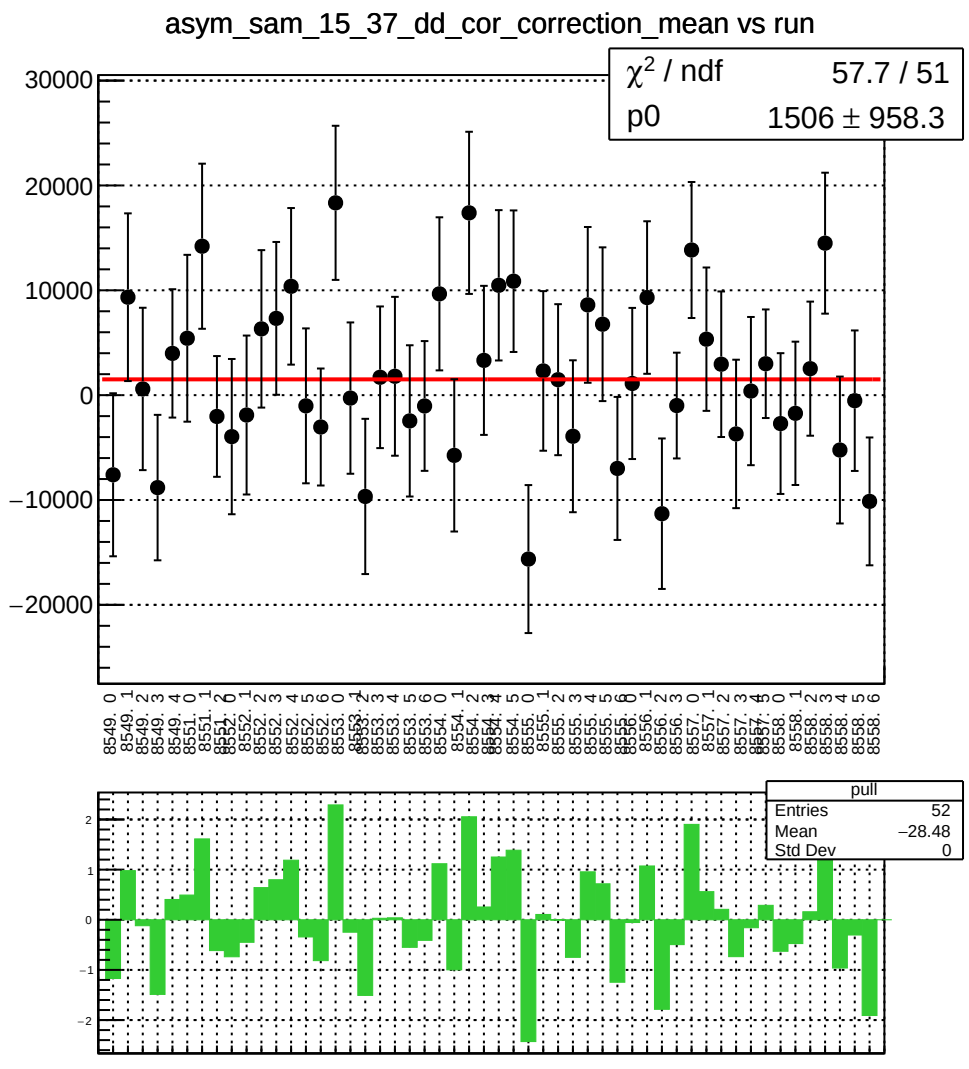

pull1D
Entries 52
Mean 0.02045
Std Dev 1.053
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

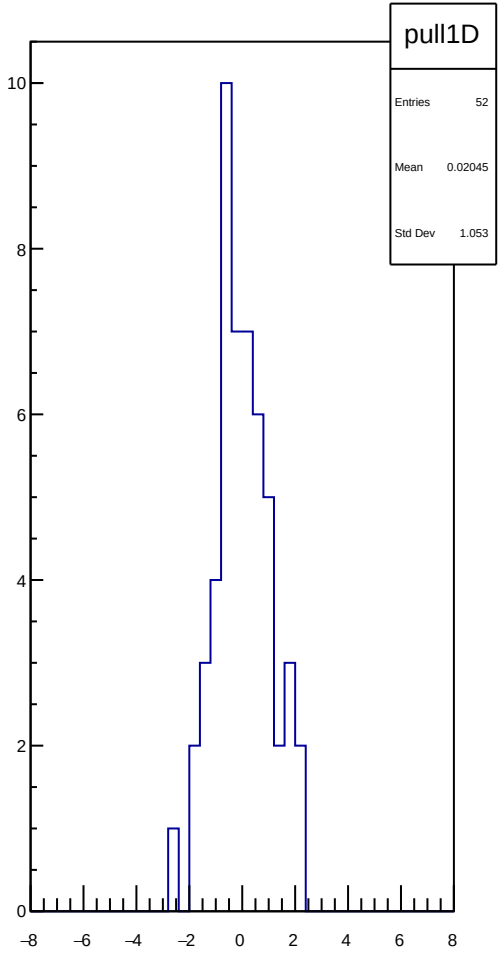

asym_sam_15_37_dd_reg_correction_rms vs run
χ² / ndf 3046 / 51
p0 685.6 ± 0.6776
800
750
700
650
600
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

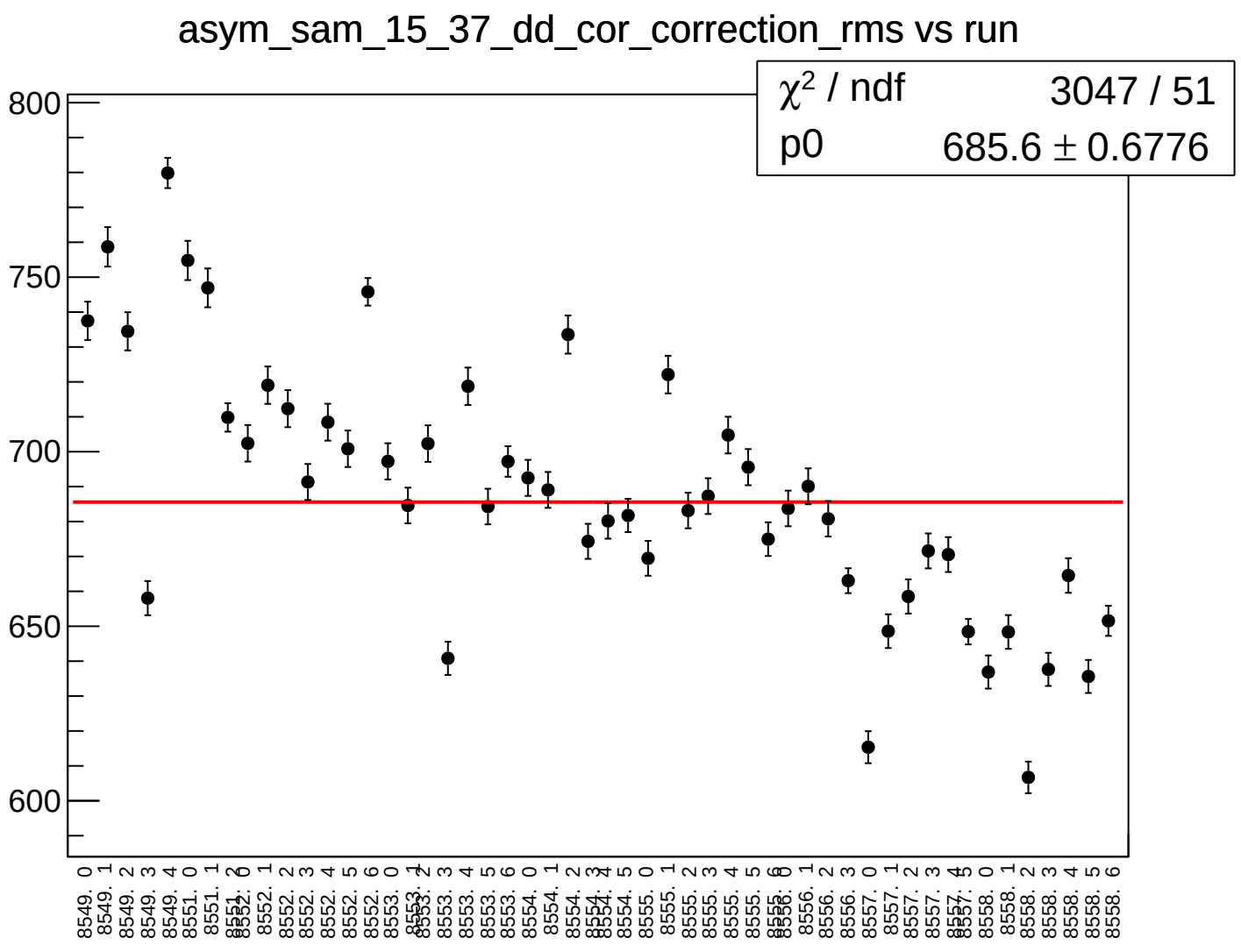

cor_asym_sam_15_37_dd_mean vs run
χ² / ndf 50.1 / 51
p0 −64.33 ± 100.9
2000
1000
0
−1000
−2000
−3000
pull
Entries 52
Mean −88.85
Std Dev 0

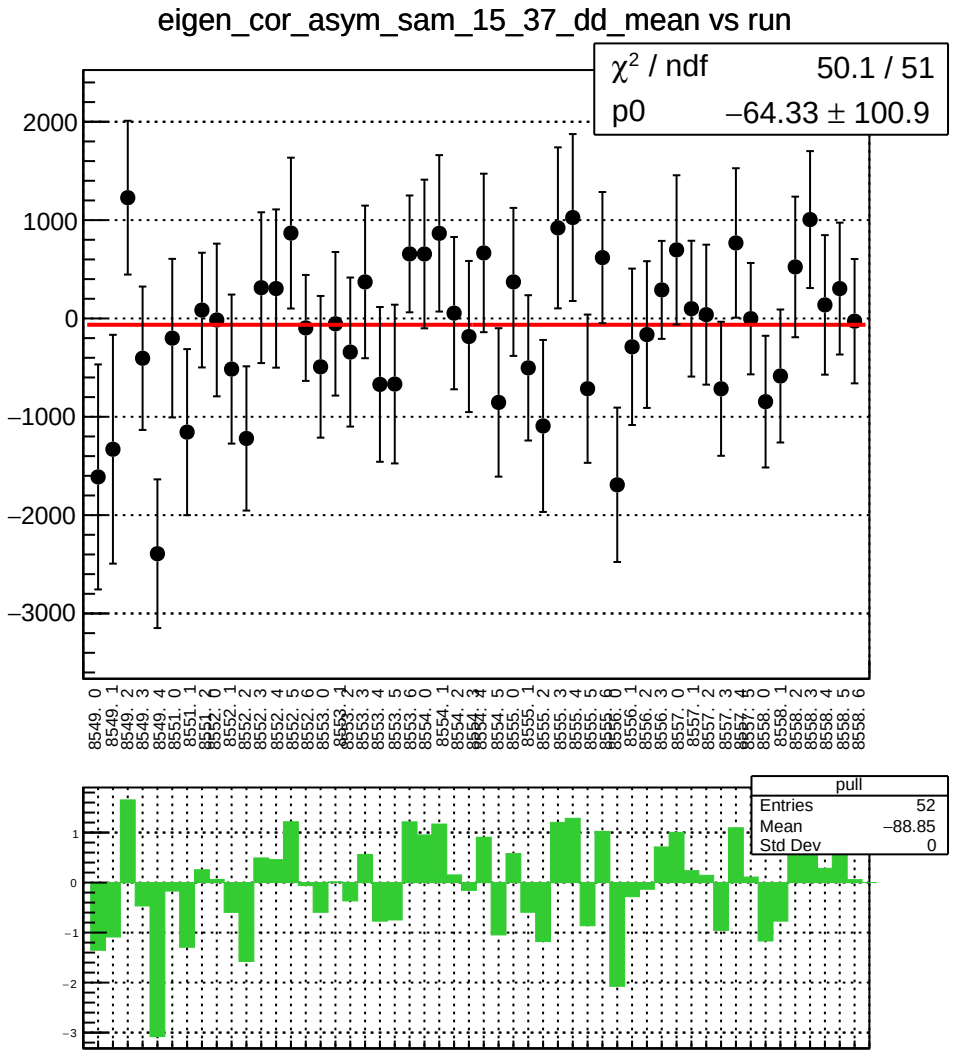

pull1D
Entries 52
Mean −0.03104
Std Dev 0.9811
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

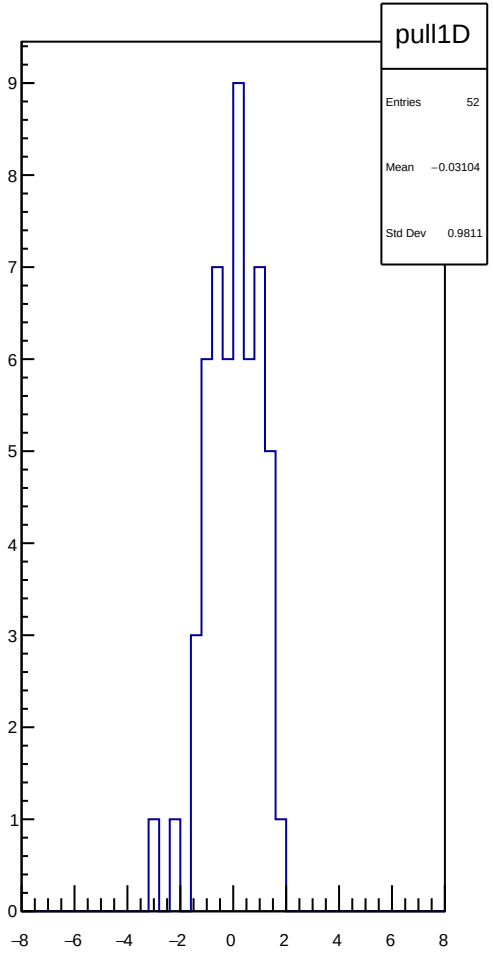

cor_asym_sam_15_37_dd_rms vs run
χ² / ndf 1.015e+04 / 51
p0 71.92 ± 0.07133
110
100
90
80
70
60
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 5
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

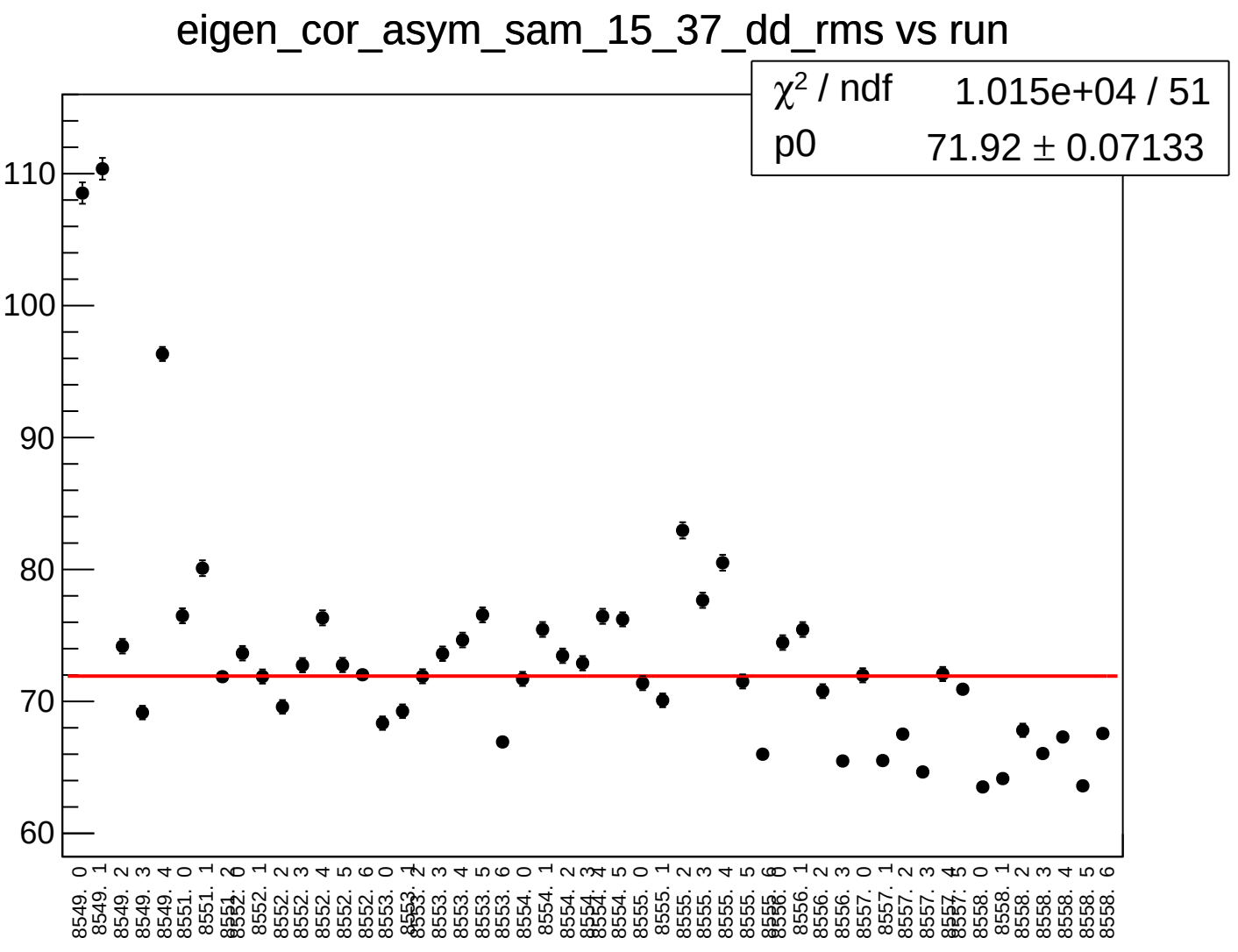

asym_sam_15_37_dd_cor_correction_mean vs run
χ² / ndf 57.7 / 51
p0 1506 ± 958.3
30000
20000
10000
0
−10000
−20000
pull
Entries 52
Mean −28.48
Std Dev 0
2
1
0
−1
−2

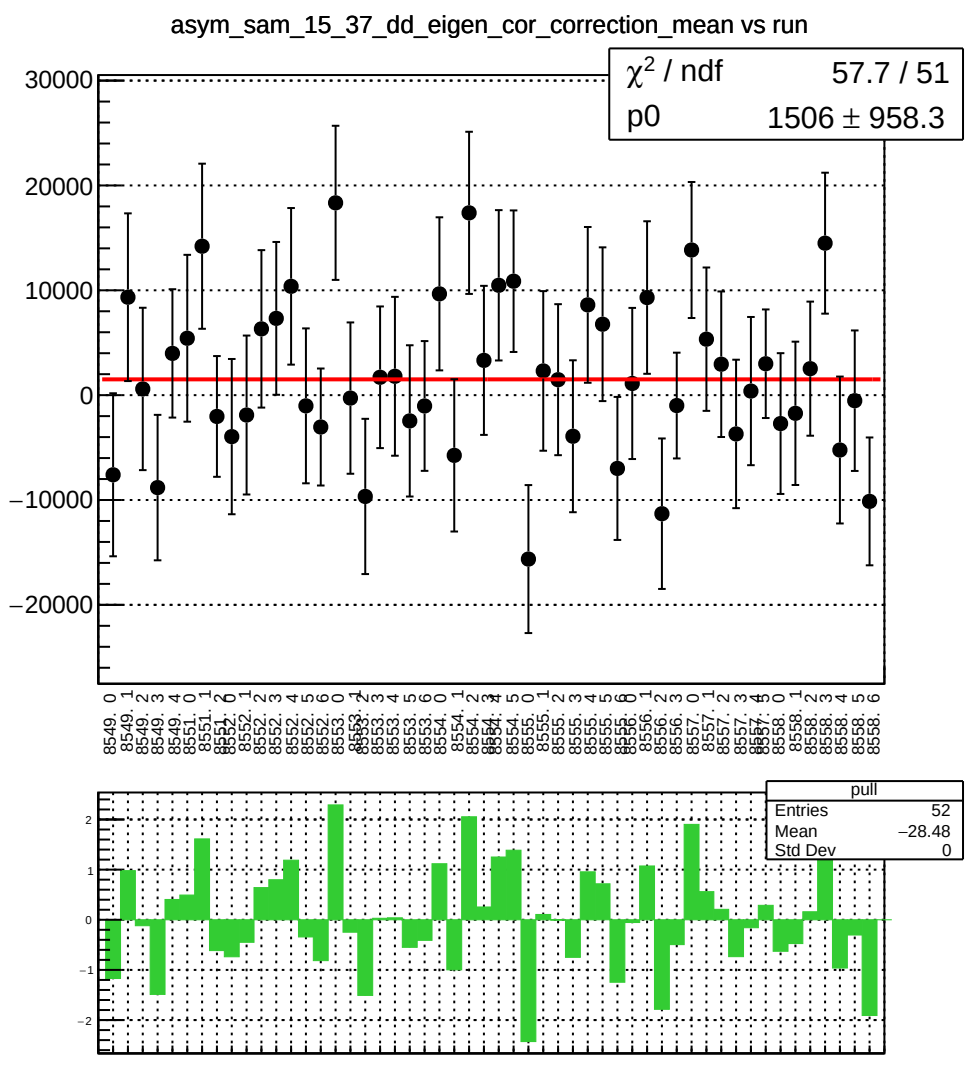

pull1D
Entries 52
Mean 0.02045
Std Dev 1.053
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

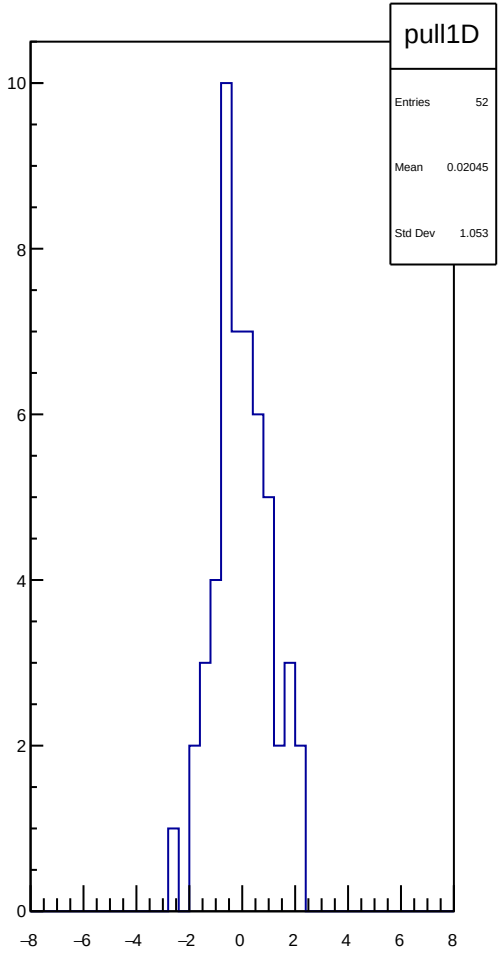

asym_sam_15_37_dd_cor_correction_rms vs run
χ² / ndf 3047 / 51
p0 685.6 ± 0.6776
800
750
700
650
600
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

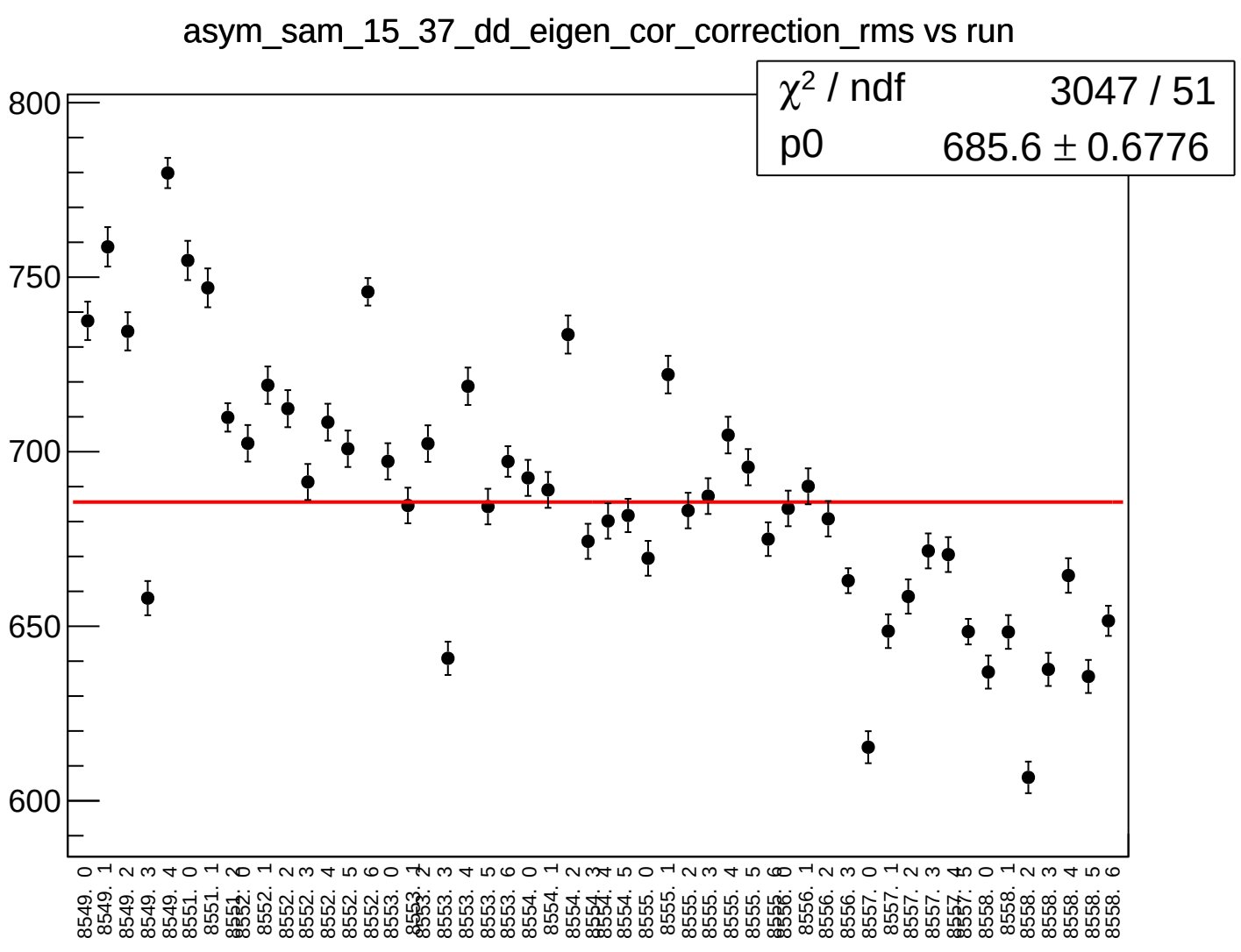

eigen_cor_asym_sam_15_37_dd_mean vs run
χ² / ndf 50.1 / 51
p0 −64.33 ± 100.9
pull
Entries 52
Mean −88.85
Std Dev 0

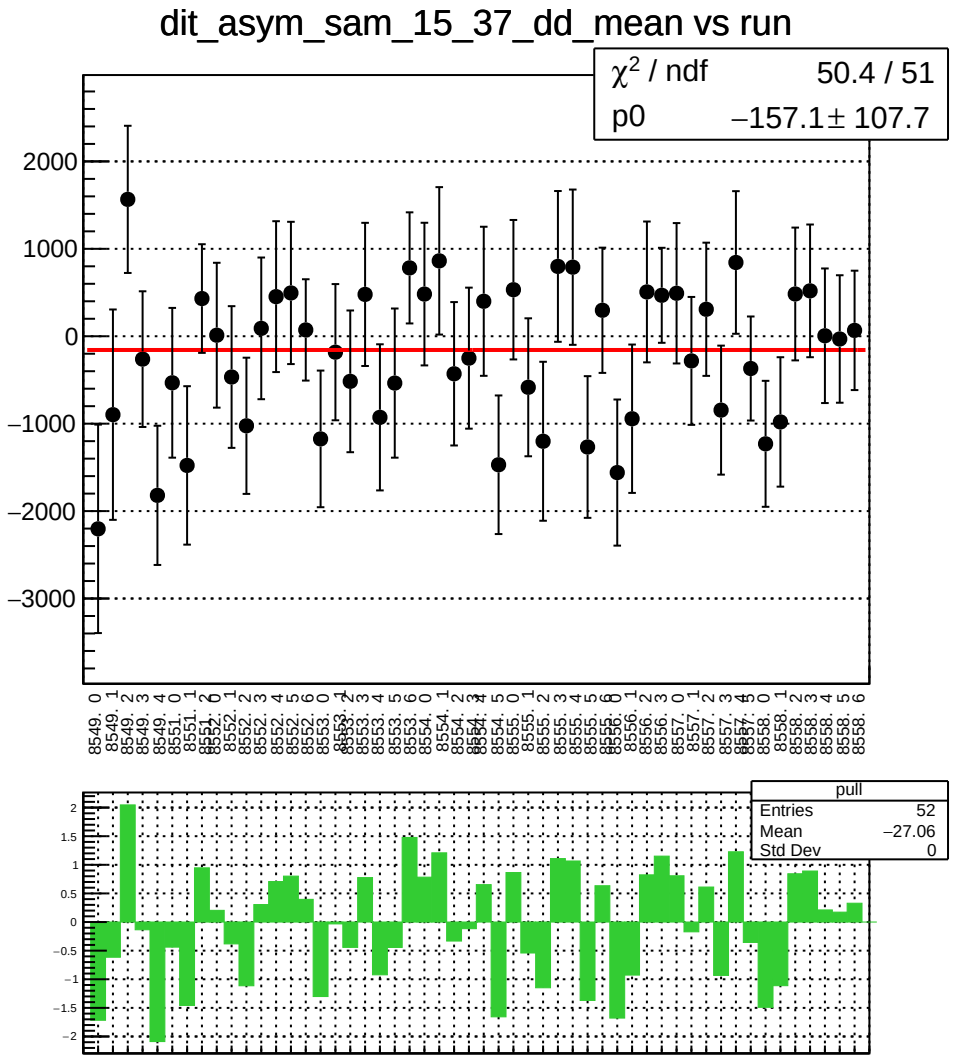

pull1D
Entries 52
Mean −0.03104
Std Dev 0.9811

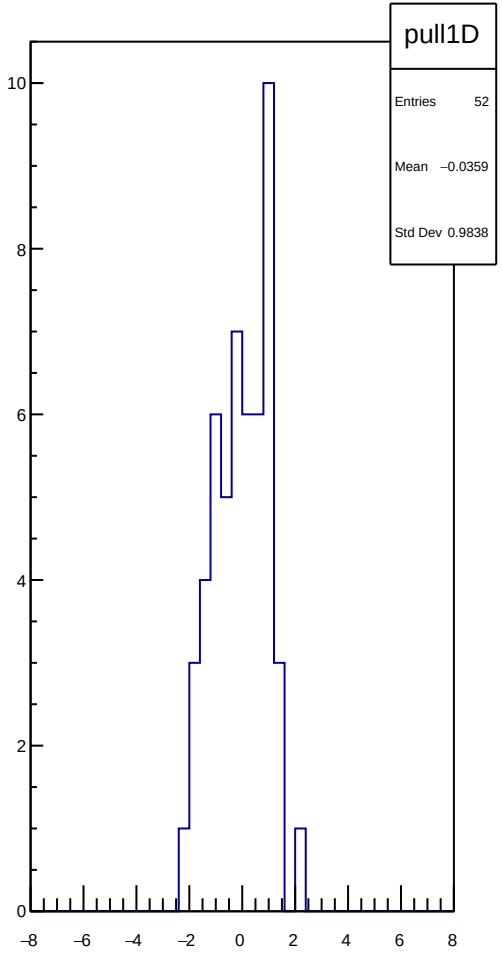

eigen_cor_asym_sam_15_37_dd_rms vs run
χ² / ndf 1.015e+04 / 51
p0 71.92 ± 0.07133
110
100
90
80
70
60
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 5
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

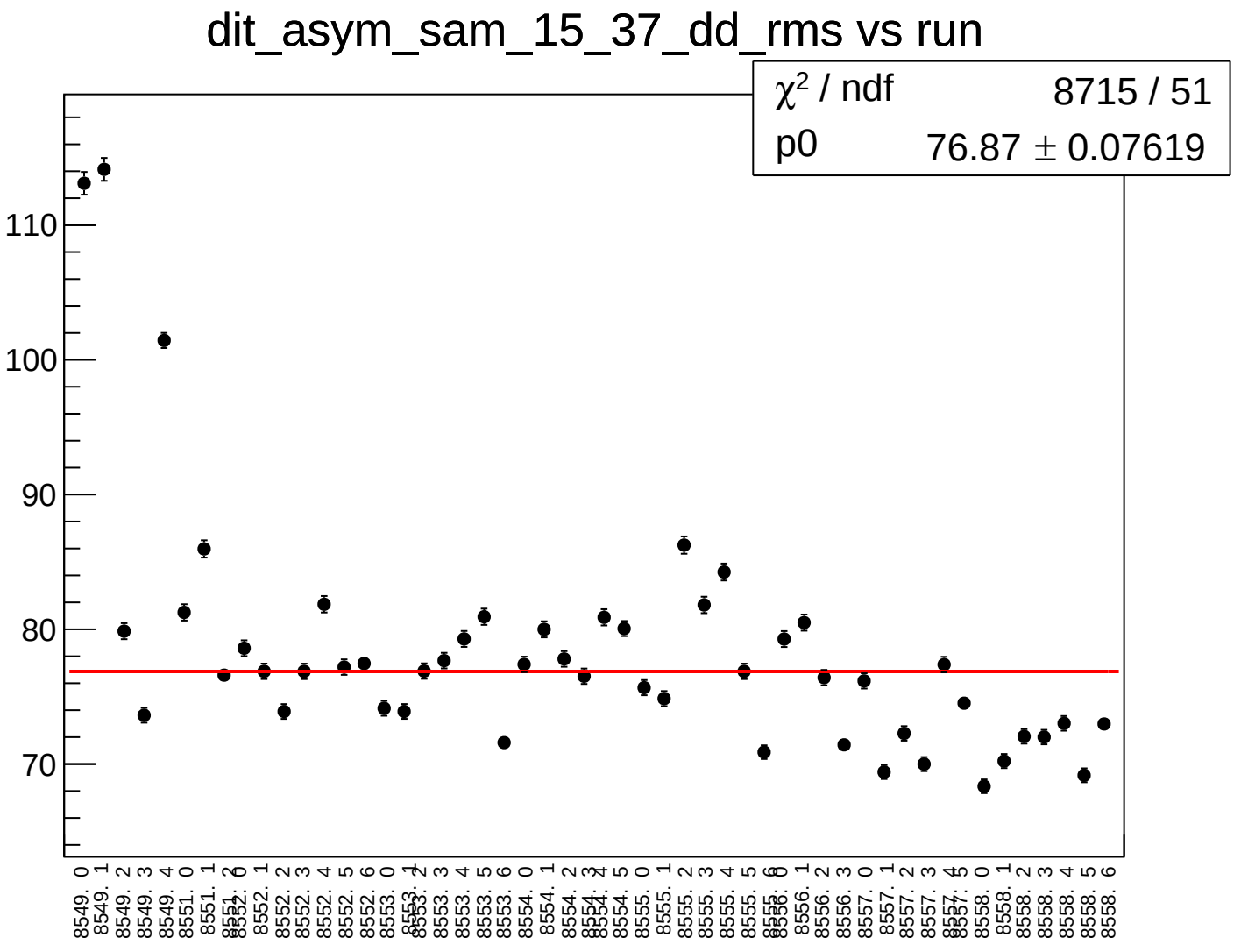

asym_sam_15_37_dd_eigen_cor_correction_mean vs run
χ² / ndf 57.7 / 51
p0 1506 ± 958.3
30000
20000
10000
0
−10000
−20000
pull
Entries 52
Mean −28.48
Std Dev 0
2
1
0
−1
−2

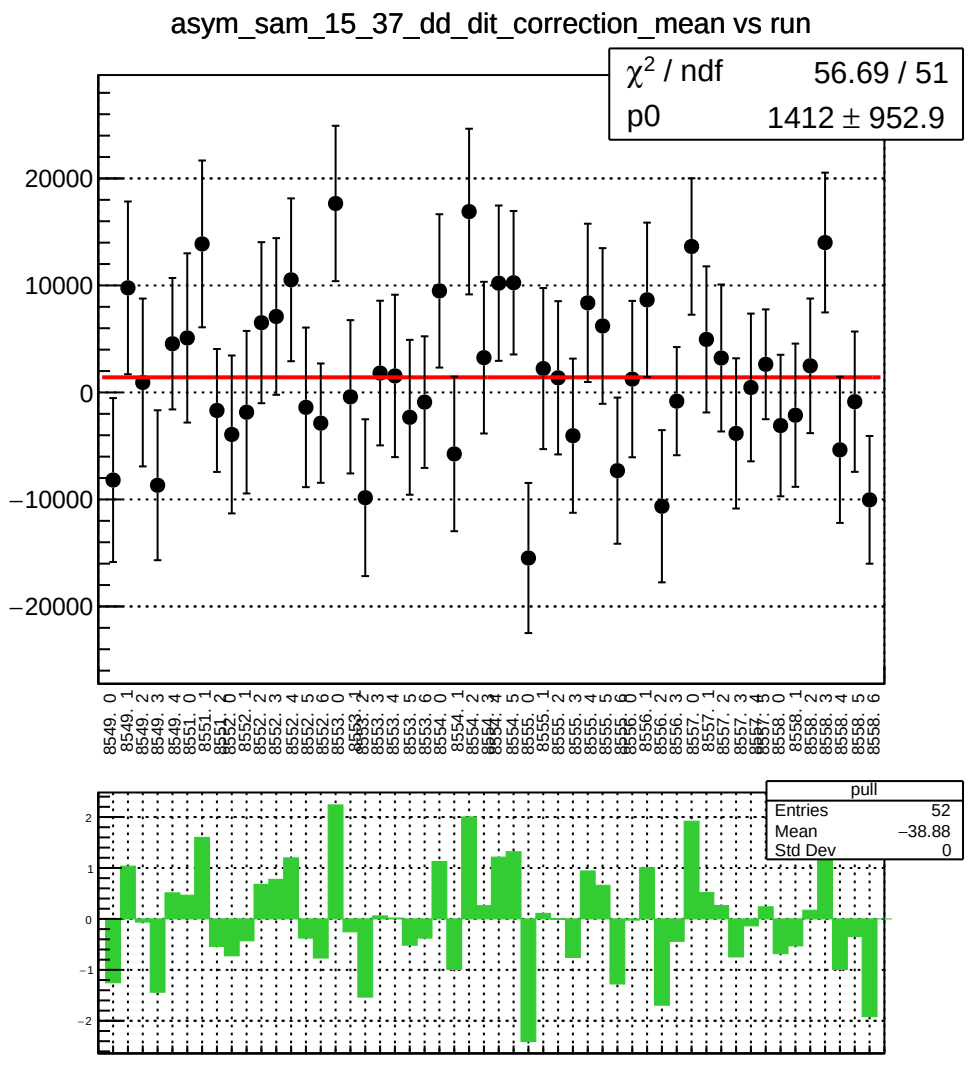

pull1D
Entries 52
Mean 0.02045
Std Dev 1.053
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

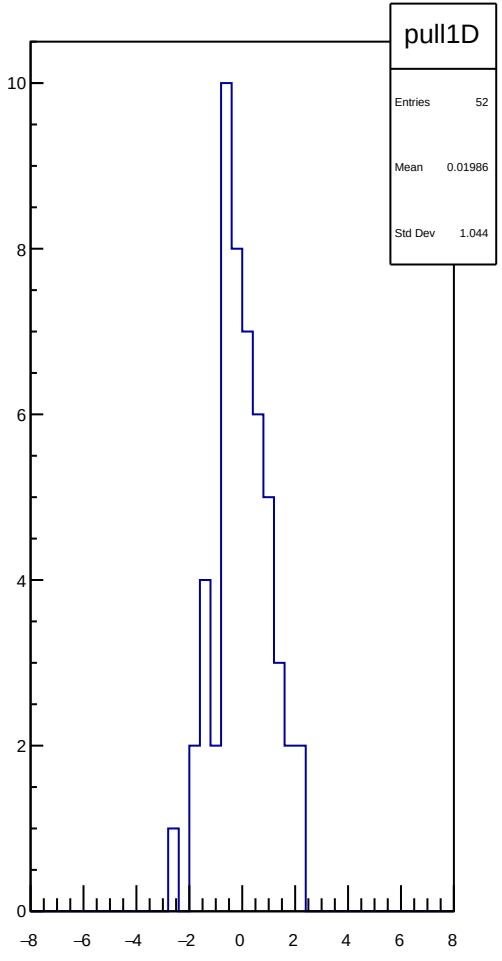

asym_sam_15_37_dd_eigen_cor_correction_rms vs run
χ² / ndf 3047 / 51
p0 685.6 ± 0.6776
800
750
700
650
600
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

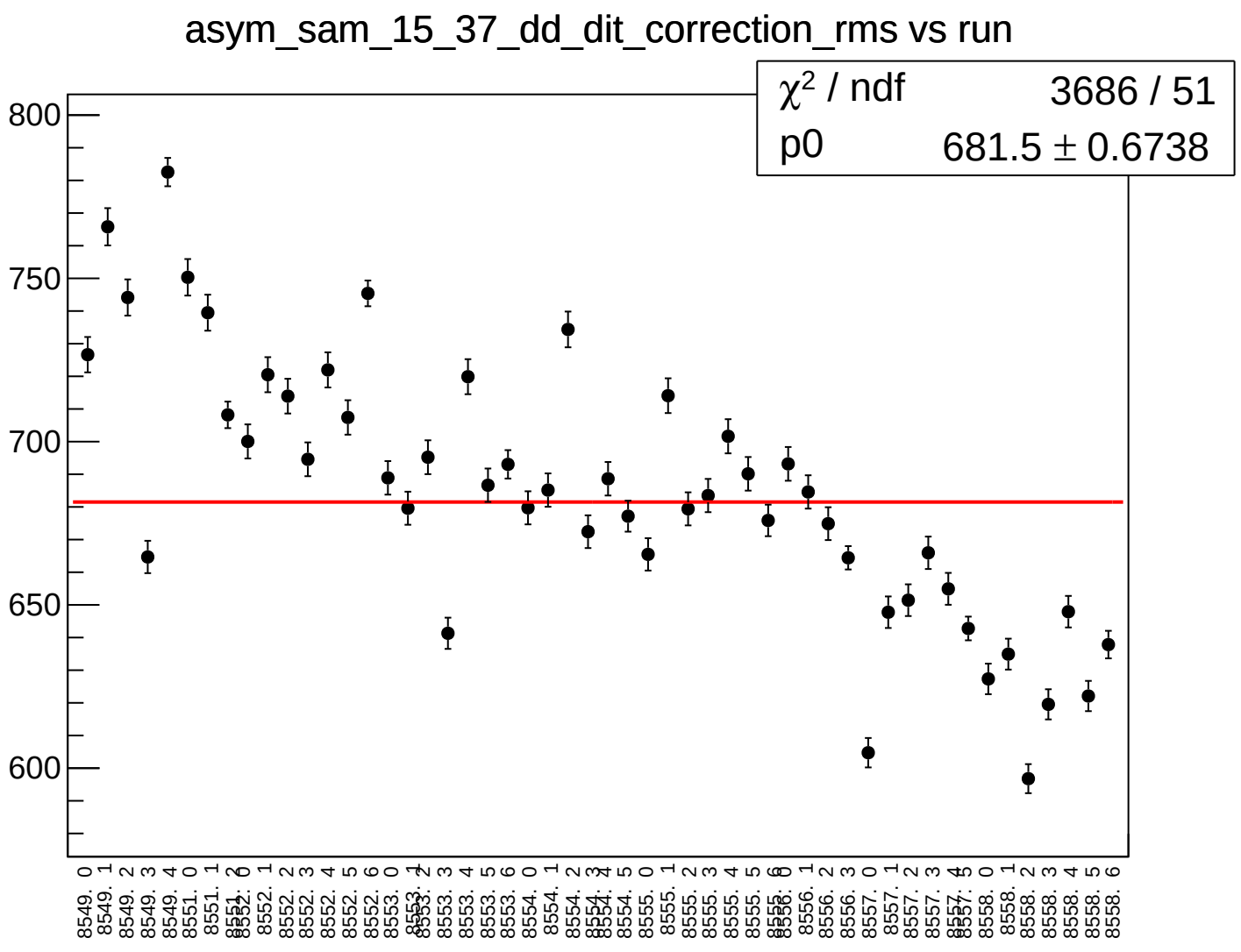

dit_asym_sam_15_37_dd_mean vs run
χ² / ndf 50.4 / 51
p0 −157.1± 107.7
pull
Entries 52
Mean −27.06
Std Dev 0


pull1D
Entries 52
Mean −0.0359
Std Dev 0.9838


dit_asym_sam_15_37_dd_rms vs run
χ^2 / ndf 8715 / 51
p0 76.87 ± 0.07619
110
100
90
80
70
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 5
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6


asym_sam_15_37_dd_dit_correction_mean vs run
χ² / ndf 56.69 / 51
p0 1412 ± 952.9
20000
10000
0
−10000
−20000
pull
Entries 52
Mean −38.88
Std Dev 0
2
1
0
−1
−2


pull1D
Entries 52
Mean 0.01986
Std Dev 1.044
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 3686 / 51
p0 681.5 ± 0.6738
800
750
700
650
600
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 5
8555. 0
8555. 1
8555. 2
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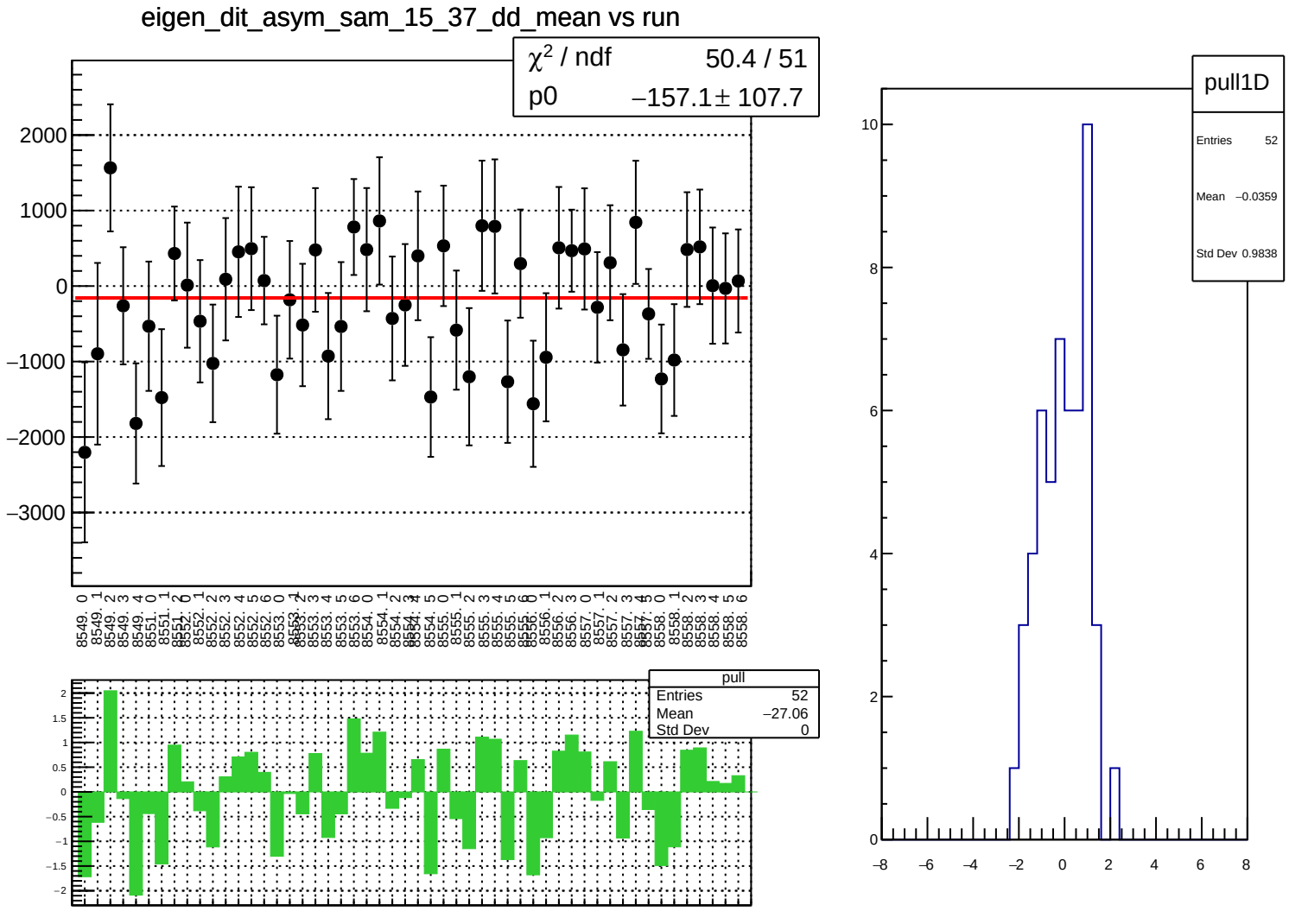
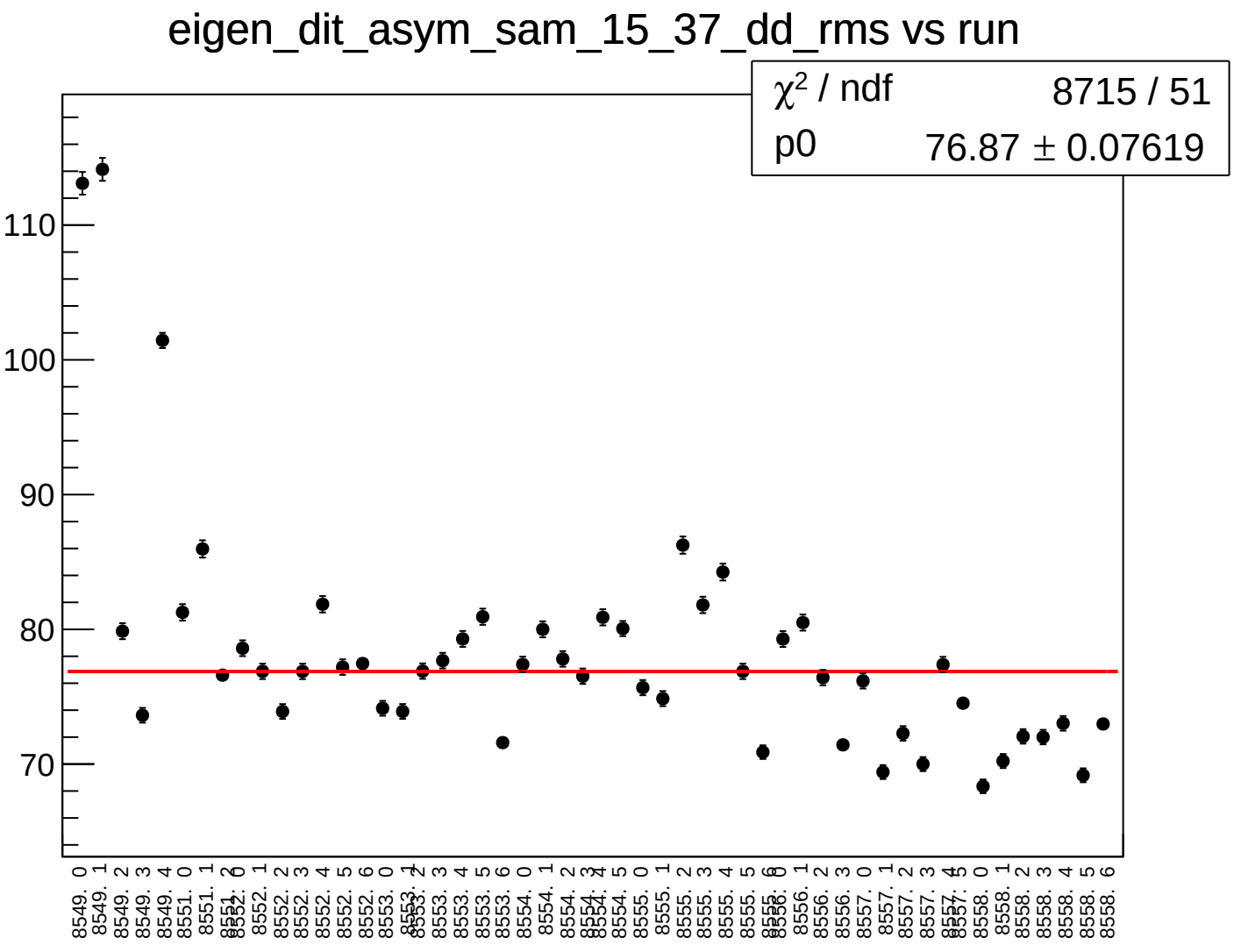
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6


eigen_dit_asym_sam_15_37_dd_mean vs run
χ² / ndf 50.4 / 51
p0 −157.1± 107.7
2000
1000
0
−1000
−2000
−3000
pull
Entries 52
Mean −27.06
Std Dev 0
pull1D
Entries 52
Mean −0.0359
Std Dev 0.9838


eigen_dit_asym_sam_15_37_dd_rms vs run
χ² / ndf 8715 / 51
p0 76.87 ± 0.07619
110
100
90
80
70
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
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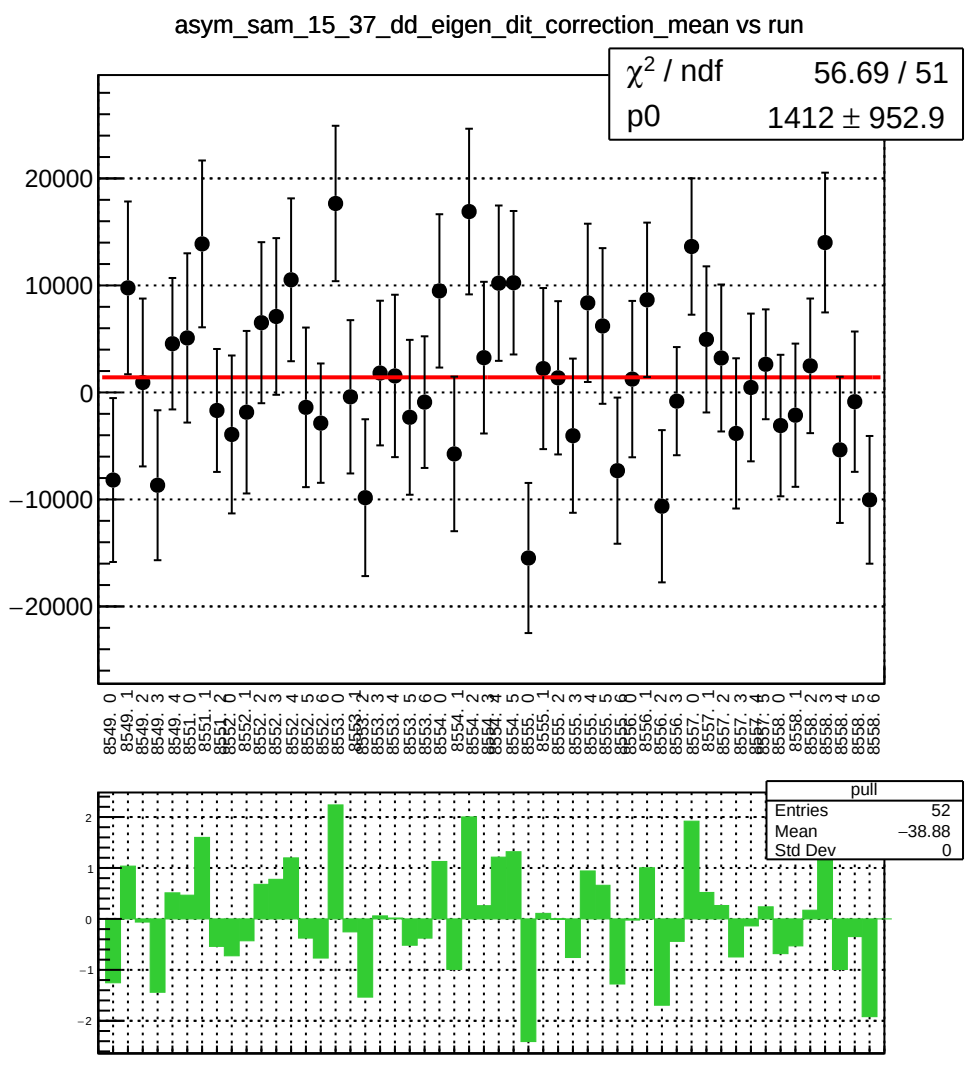
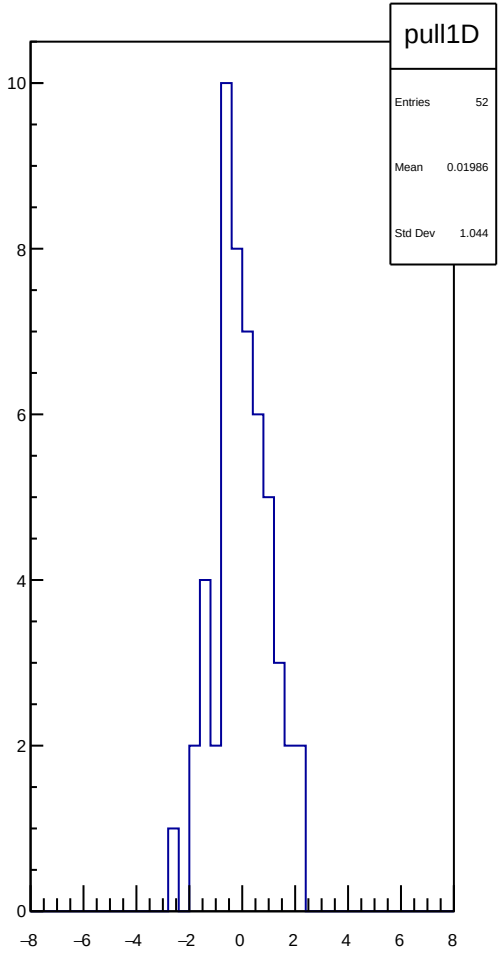
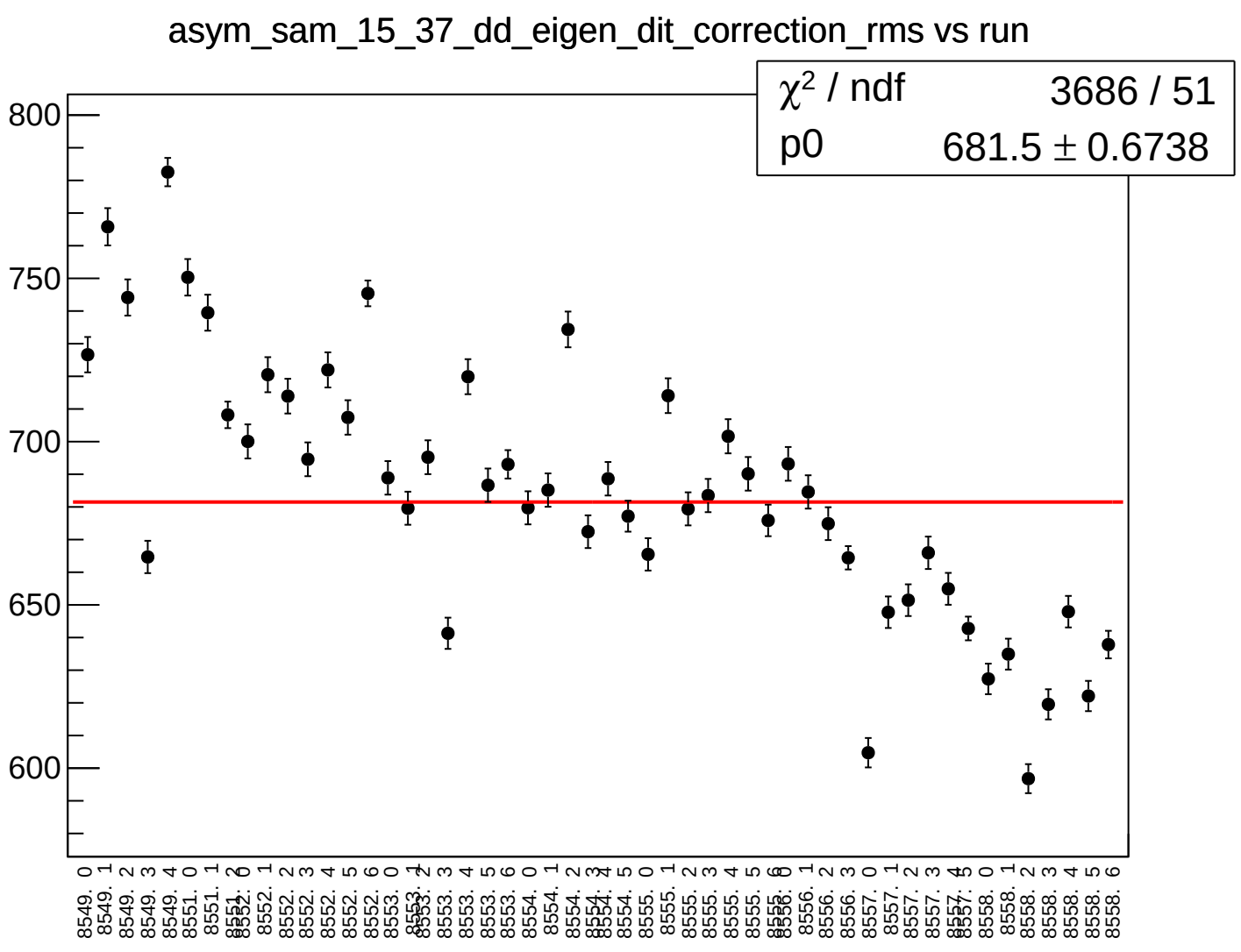
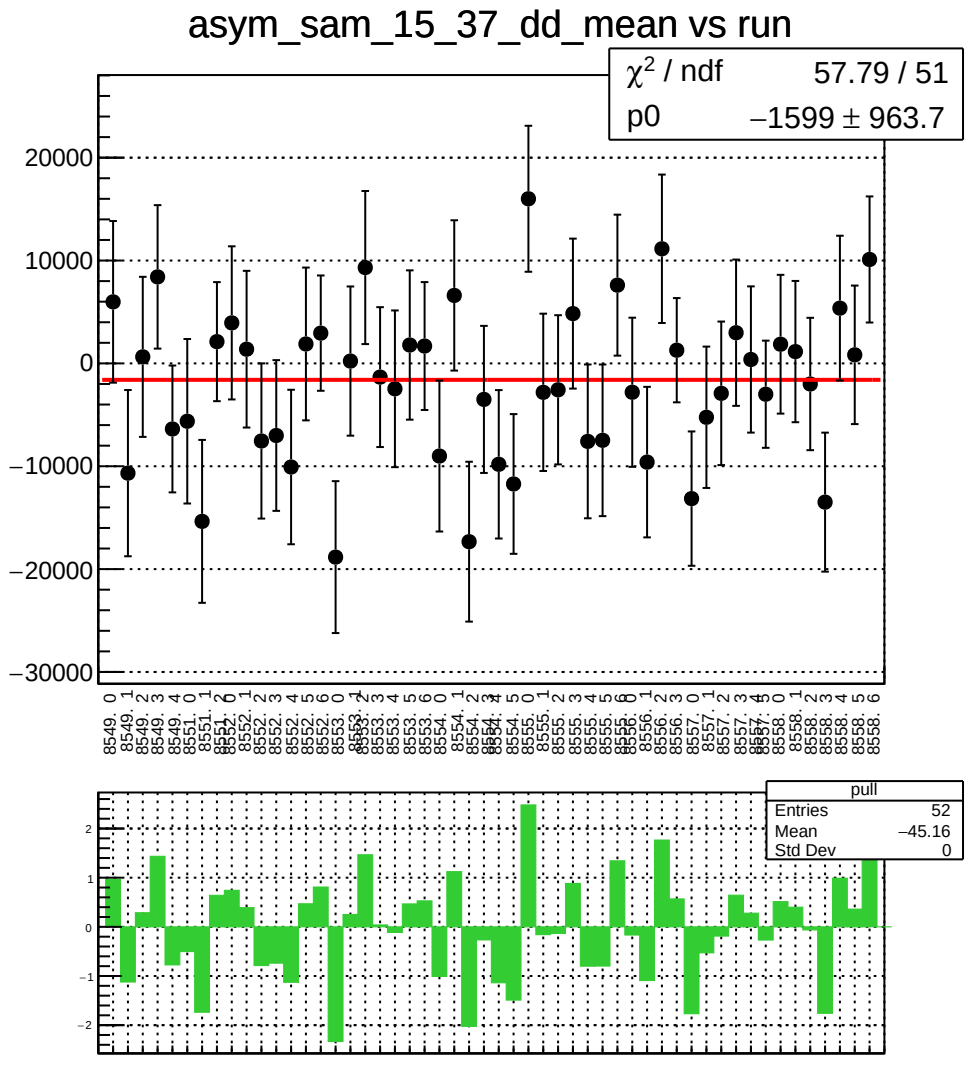
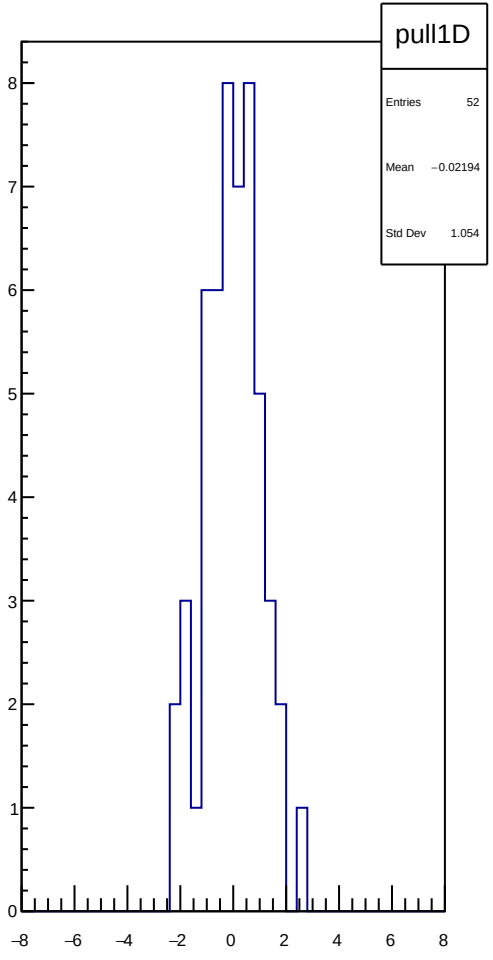
8558. 5
8558. 6

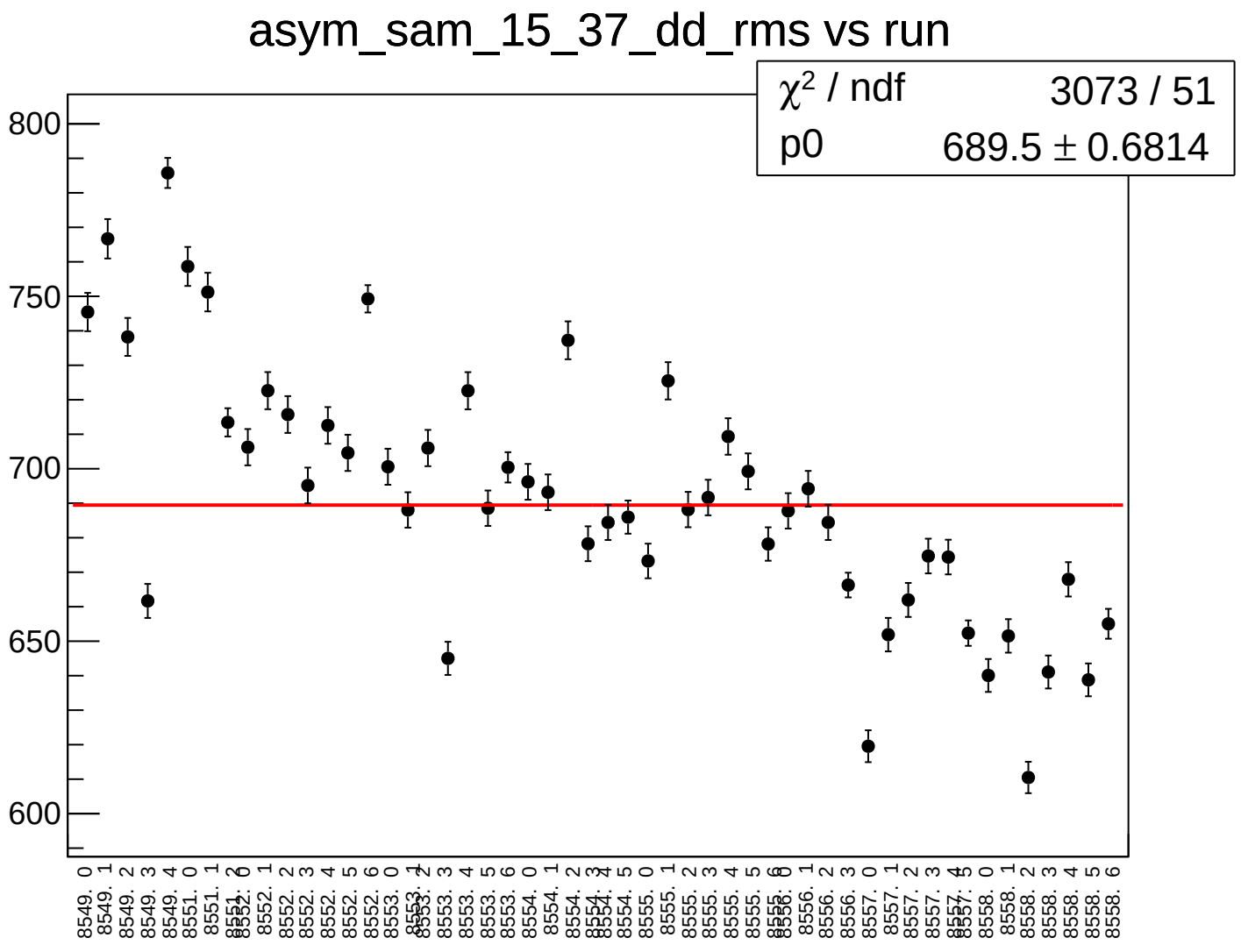

asym_sam_15_37_dd_eigen_dit_correction_mean vs run
χ² / ndf 56.69 / 51
p0 1412 ± 952.9
20000
10000
0
−10000
−20000
pull
Entries 52
Mean −38.88
Std Dev 0
2
1
0
−1
−2


pull1D
Entries 52
Mean 0.01986
Std Dev 1.044
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 3686 / 51
p0 681.5 ± 0.6738
800
750
700
650
600
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6


asym_sam_15_37_dd_mean vs run
χ² / ndf 57.79 / 51
p0 −1599 ± 963.7
20000
10000
0
−10000
−20000
−30000
pull
Entries 52
Mean −45.16
Std Dev 0
2
1
0
−1
−2


pull1D
Entries 52
Mean −0.02194
Std Dev 1.054
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 3073 / 51
p0 689.5 ± 0.6814
800
750
700
650
600
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
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8557. 3
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8558. 2
8558. 3
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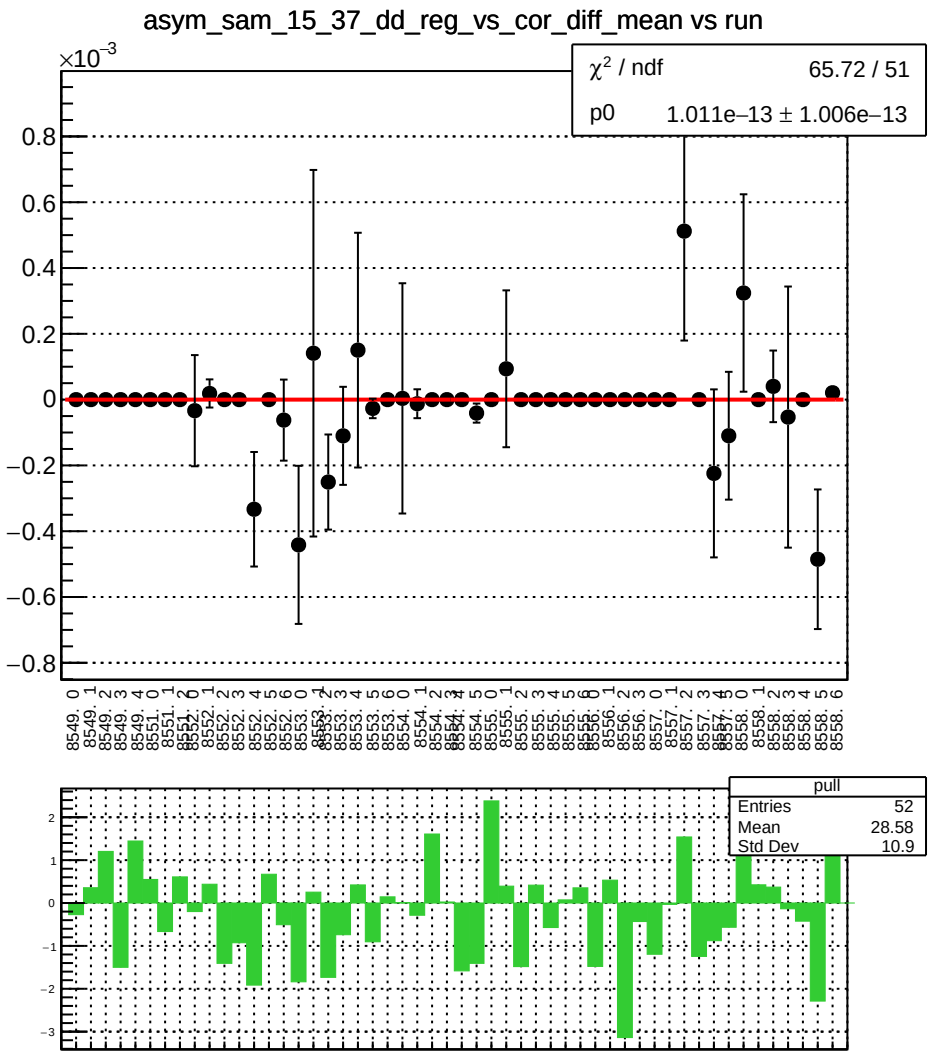
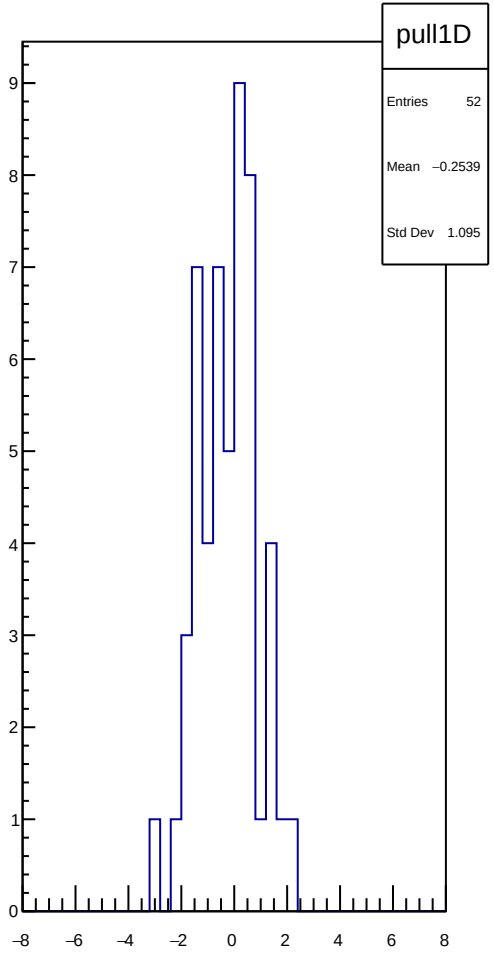
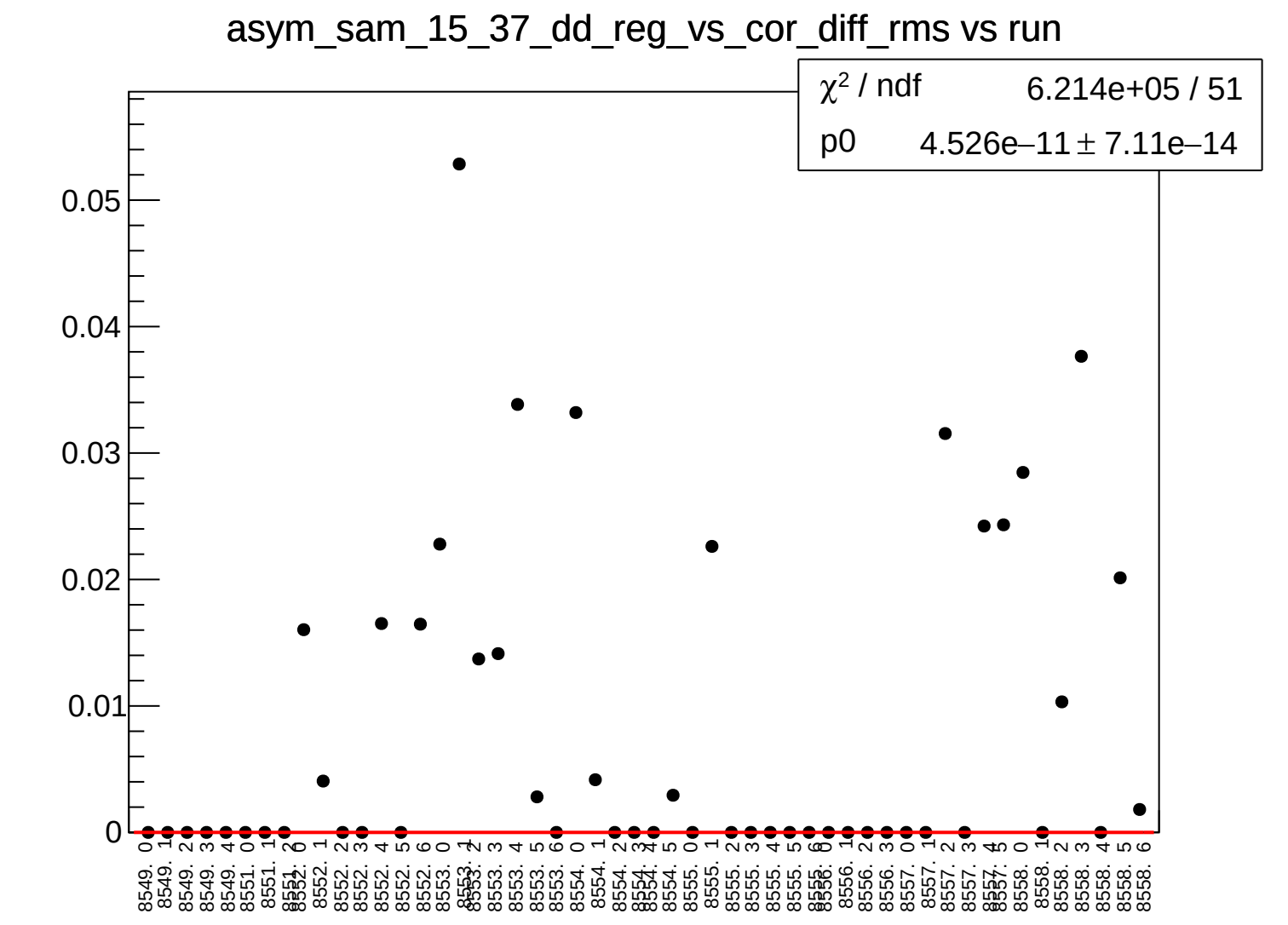
8558. 6


asym_sam_15_37_dd_reg_vs_cor_diff_mean vs run
×10⁻³
χ² / ndf 65.72 / 51
p0 1.011e−13 ± 1.006e−13
pull
Entries 52
Mean 28.58
Std Dev 10.9


pull1D
Entries 52
Mean −0.2539
Std Dev 1.095


asym_sam_15_37_dd_reg_vs_cor_diff_rms vs run
χ² / ndf 6.214e+05 / 51
p0 4.526e−11 ± 7.11e−14
0.05
0.04
0.03
0.02
0.01
0
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8549. 5
8549. 6
8551. 0
8551. 1
8551. 2
8552. 0
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 1
8553. 2
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 3
8554. 4
8554. 5
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8555. 1
8555. 2
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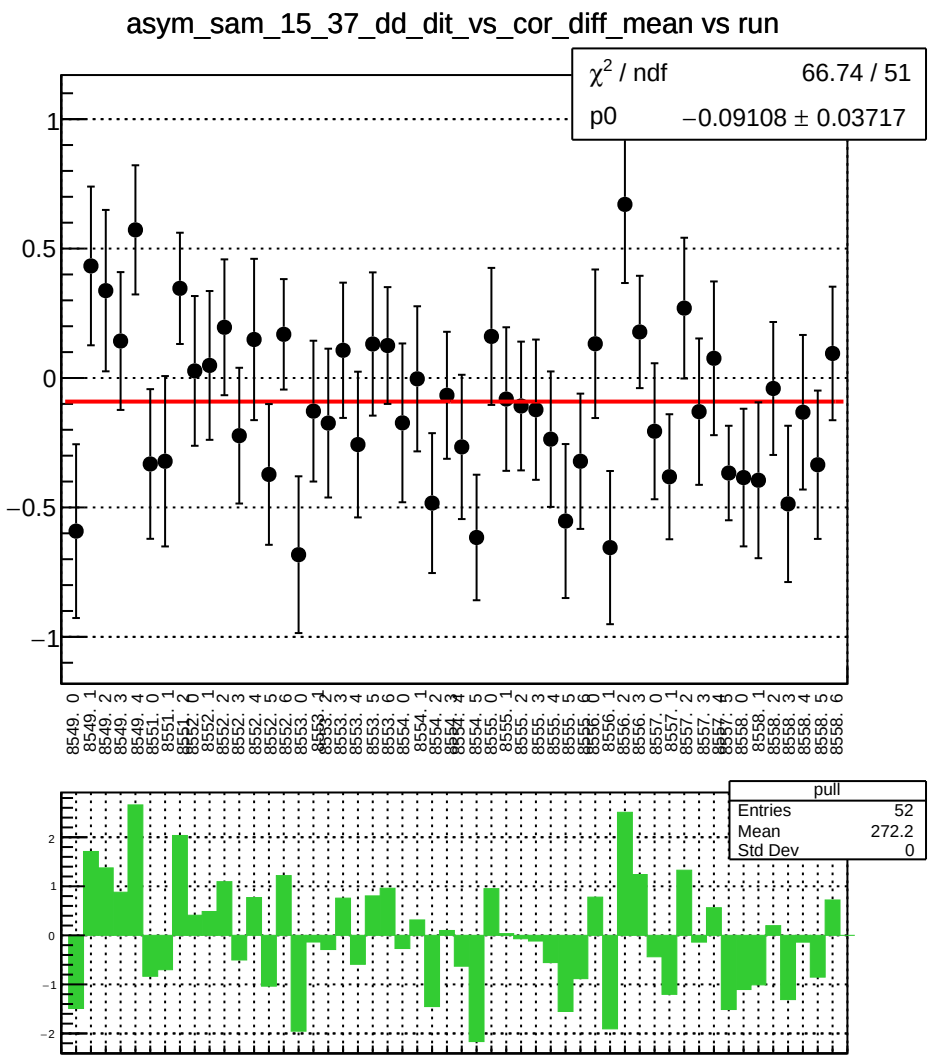
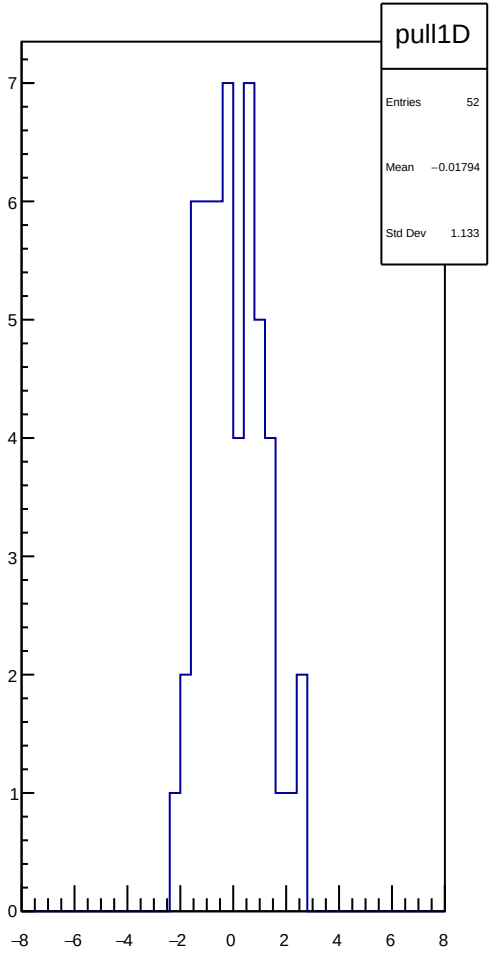
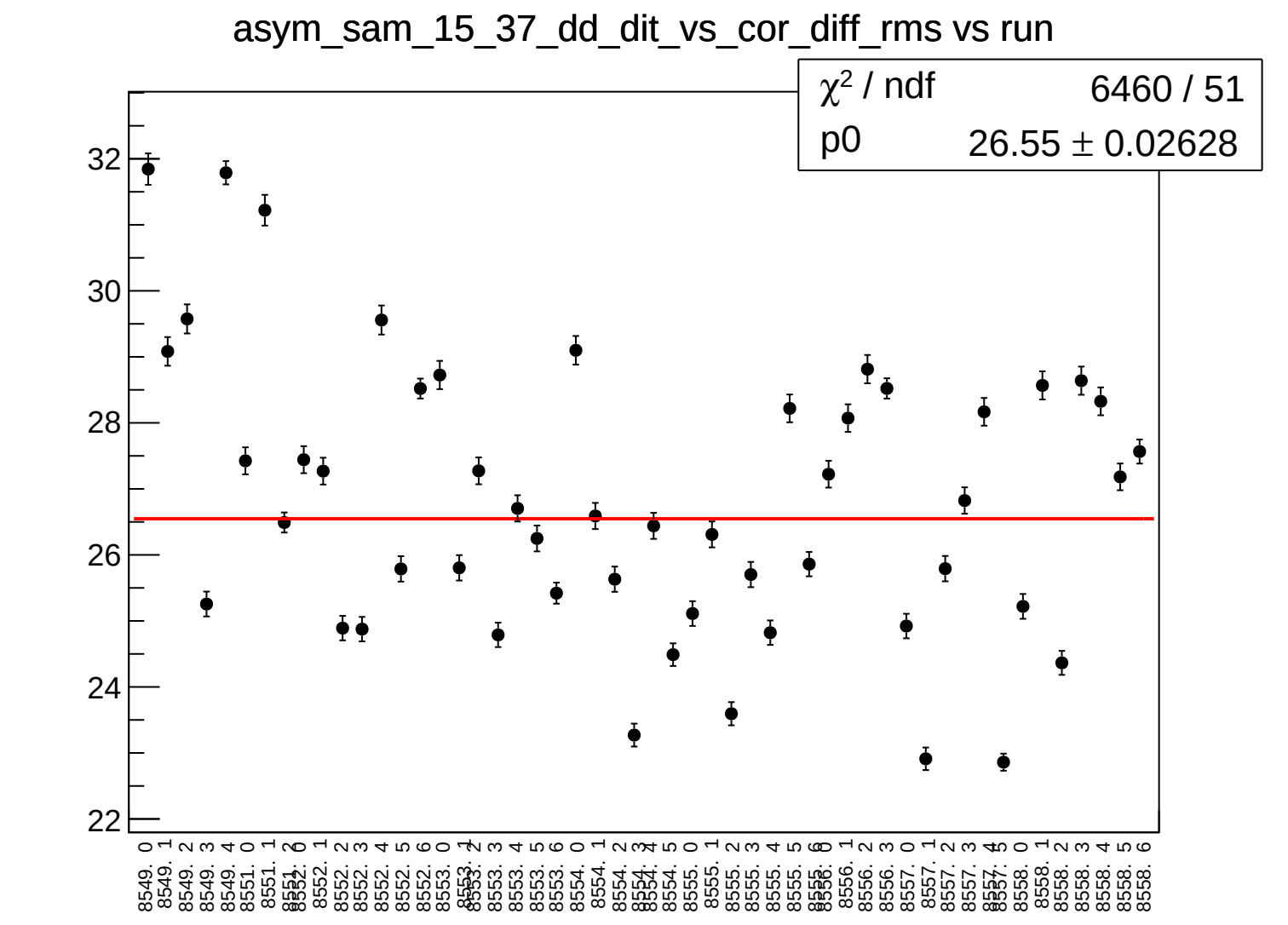
8555. 6
8556. 0
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8557. 4
8557. 5
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6


asym_sam_15_37_dd_dit_vs_cor_diff_mean vs run
χ² / ndf 66.74 / 51
p0 −0.09108 ± 0.03717
pull
Entries 52
Mean 272.2
Std Dev 0


pull1D
Entries 52
Mean −0.01794
Std Dev 1.133


asym_sam_15_37_dd_dit_vs_cor_diff_rms vs run
χ² / ndf 6460 / 51
p0 26.55 ± 0.02628
32
30
28
26
24
22
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
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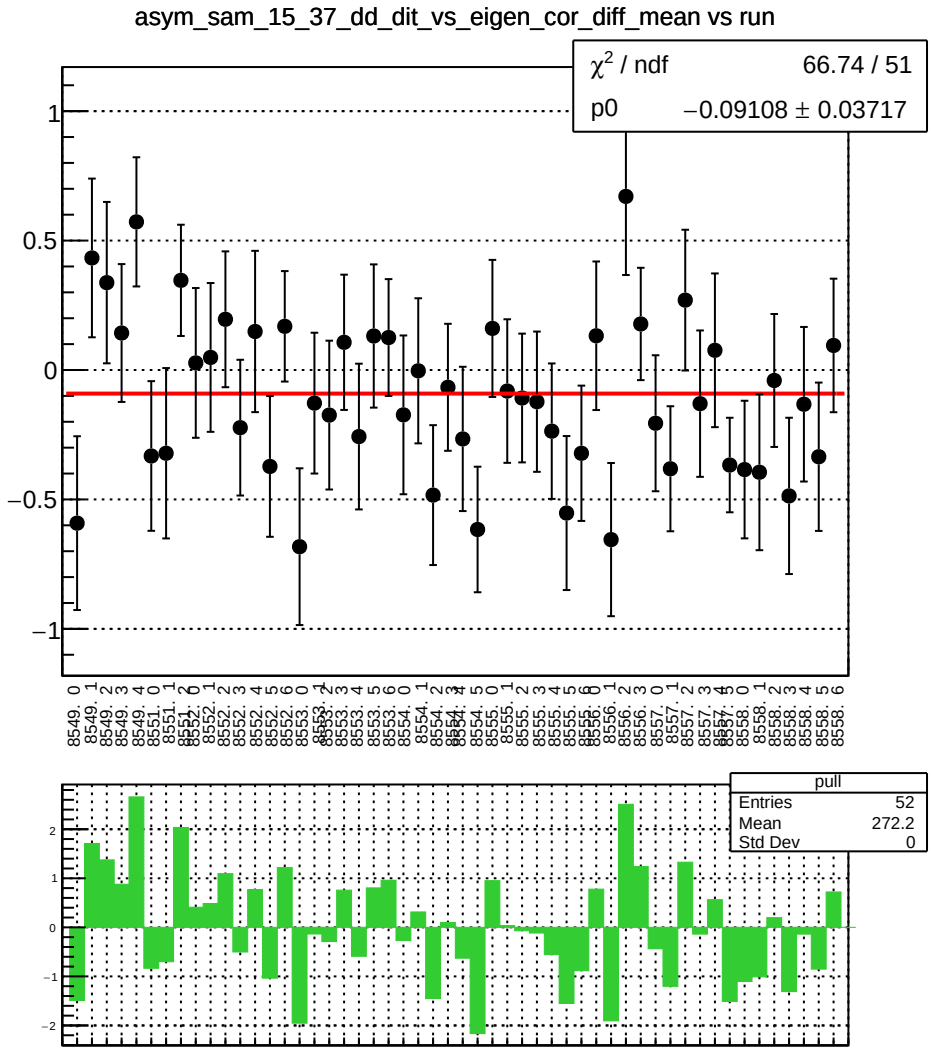
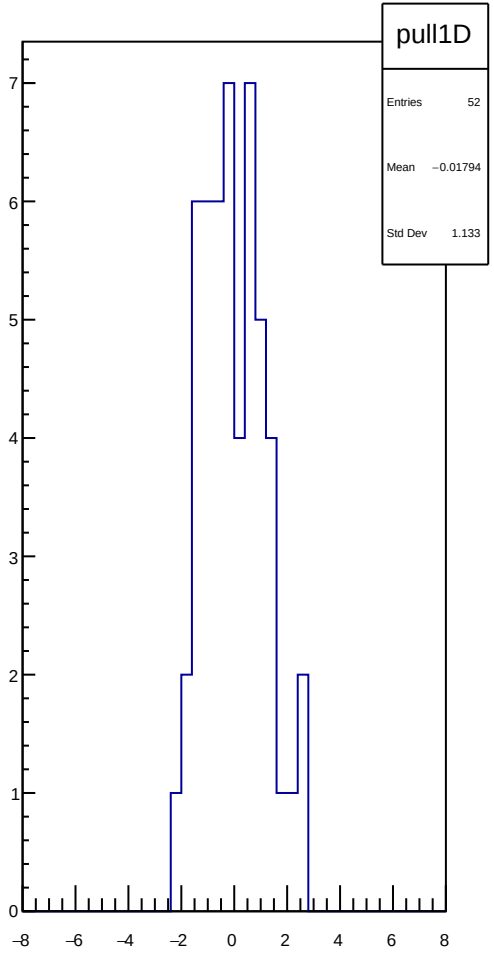
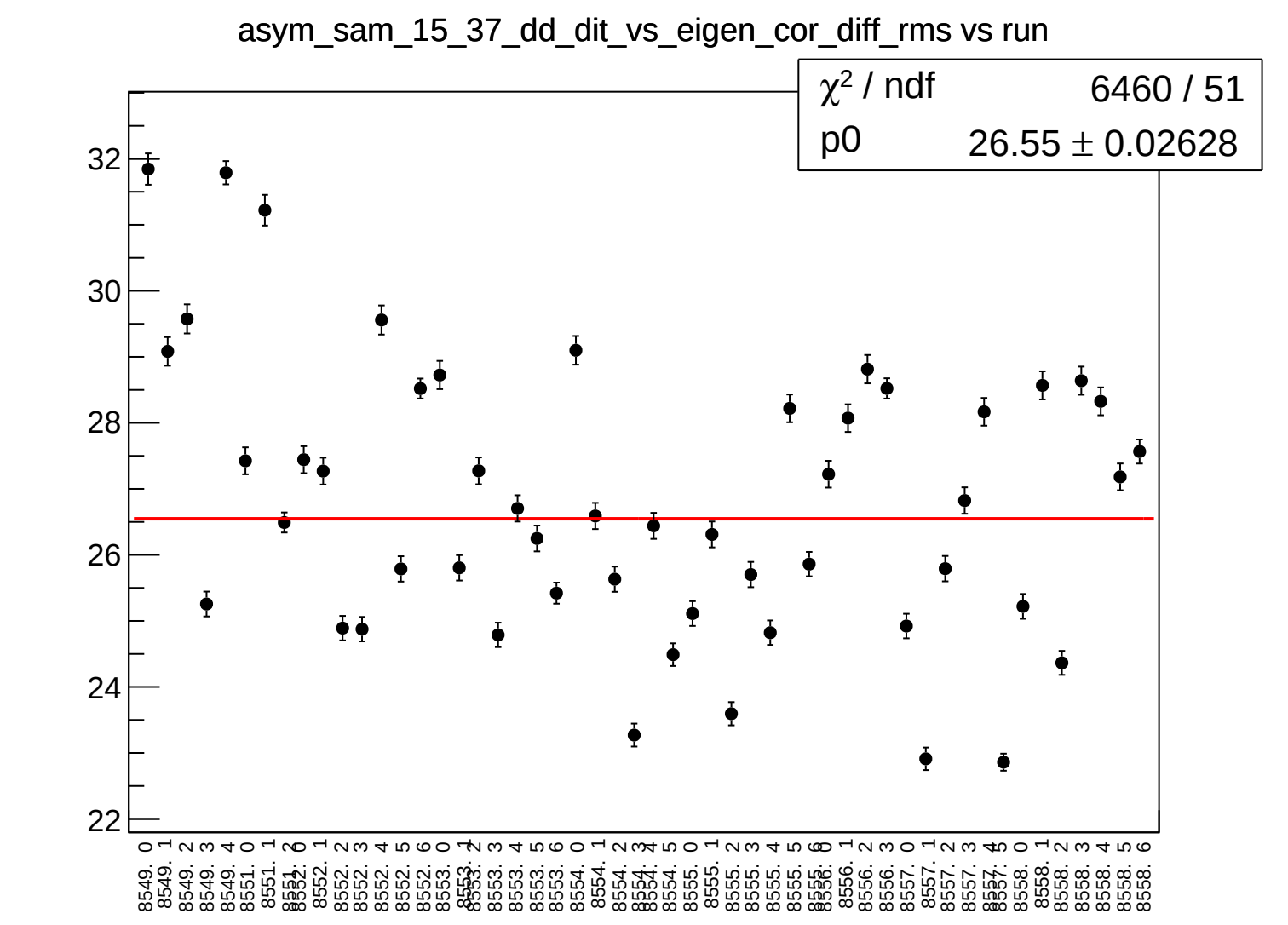
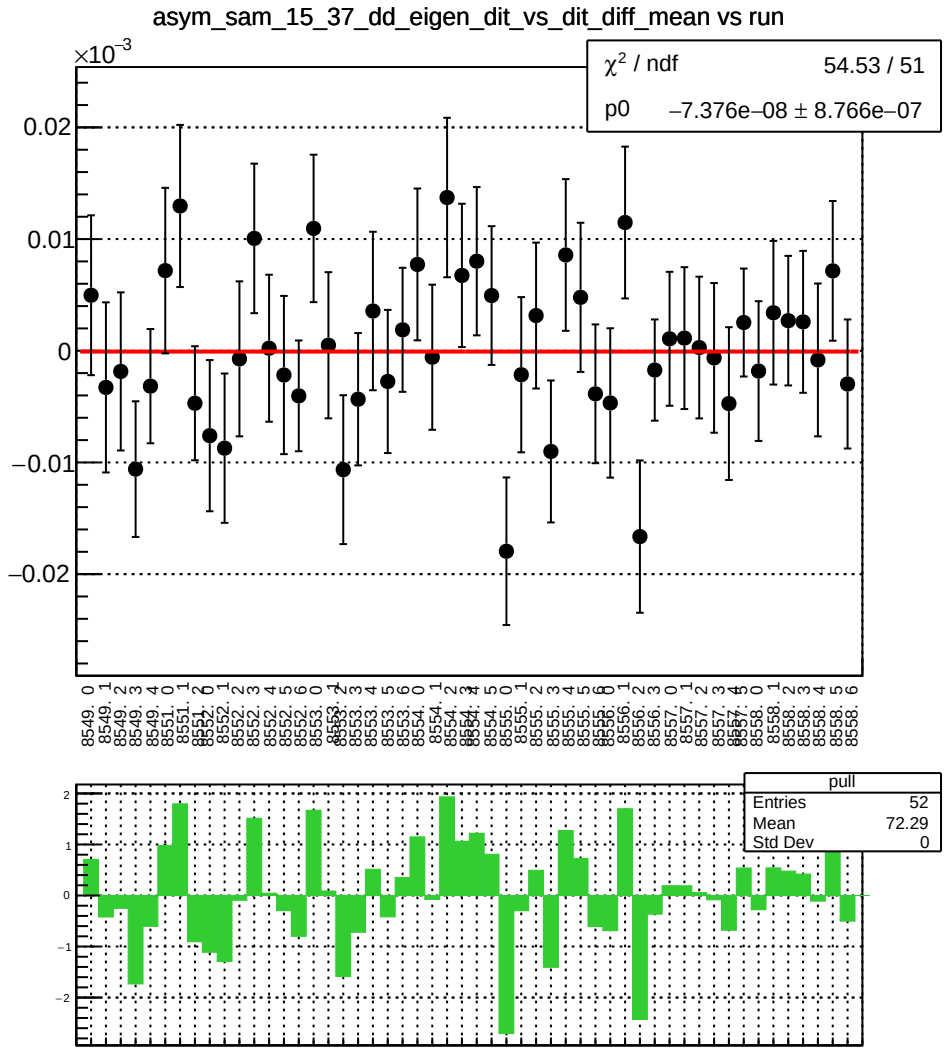
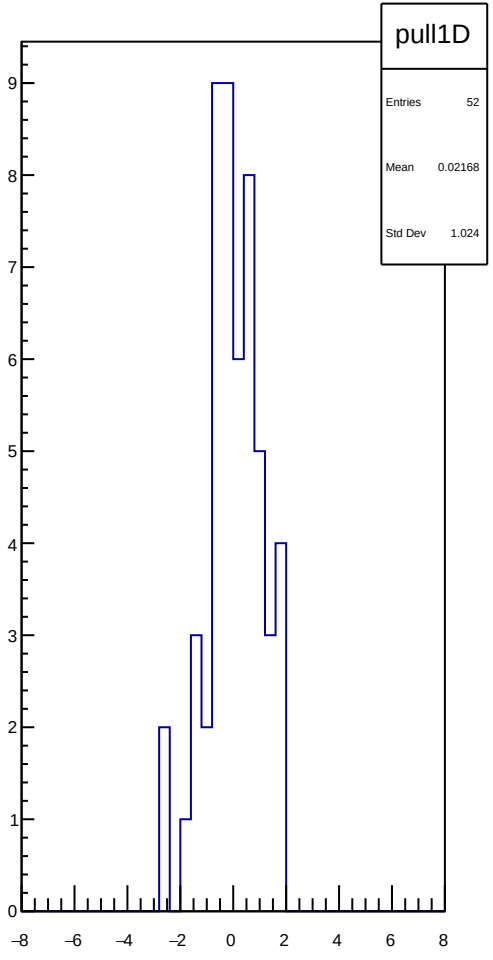
8558. 5
8558. 6

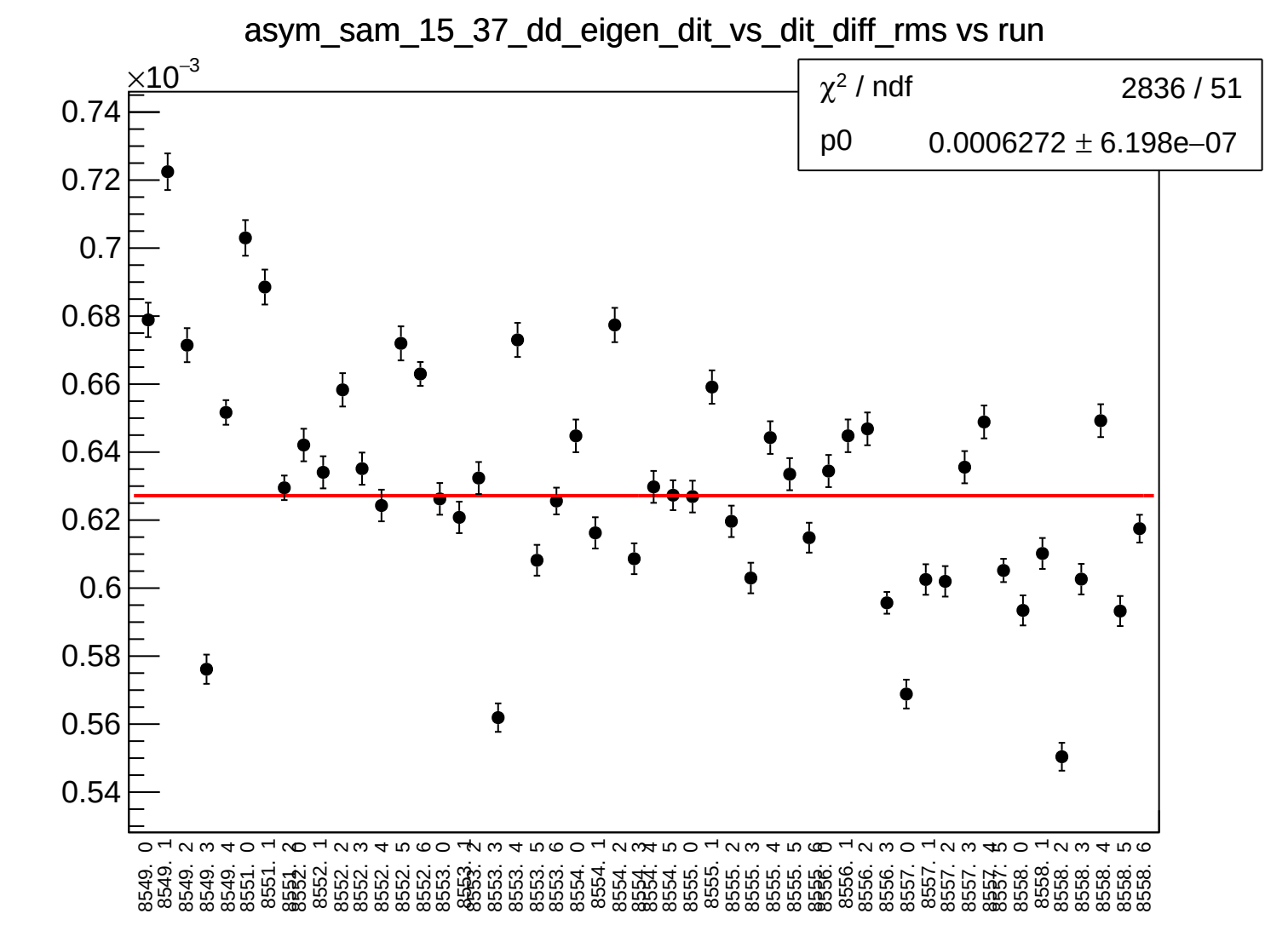

asym_sam_15_37_dd_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 66.74 / 51
p0 −0.09108 ± 0.03717
pull
Entries 52
Mean 272.2
Std Dev 0

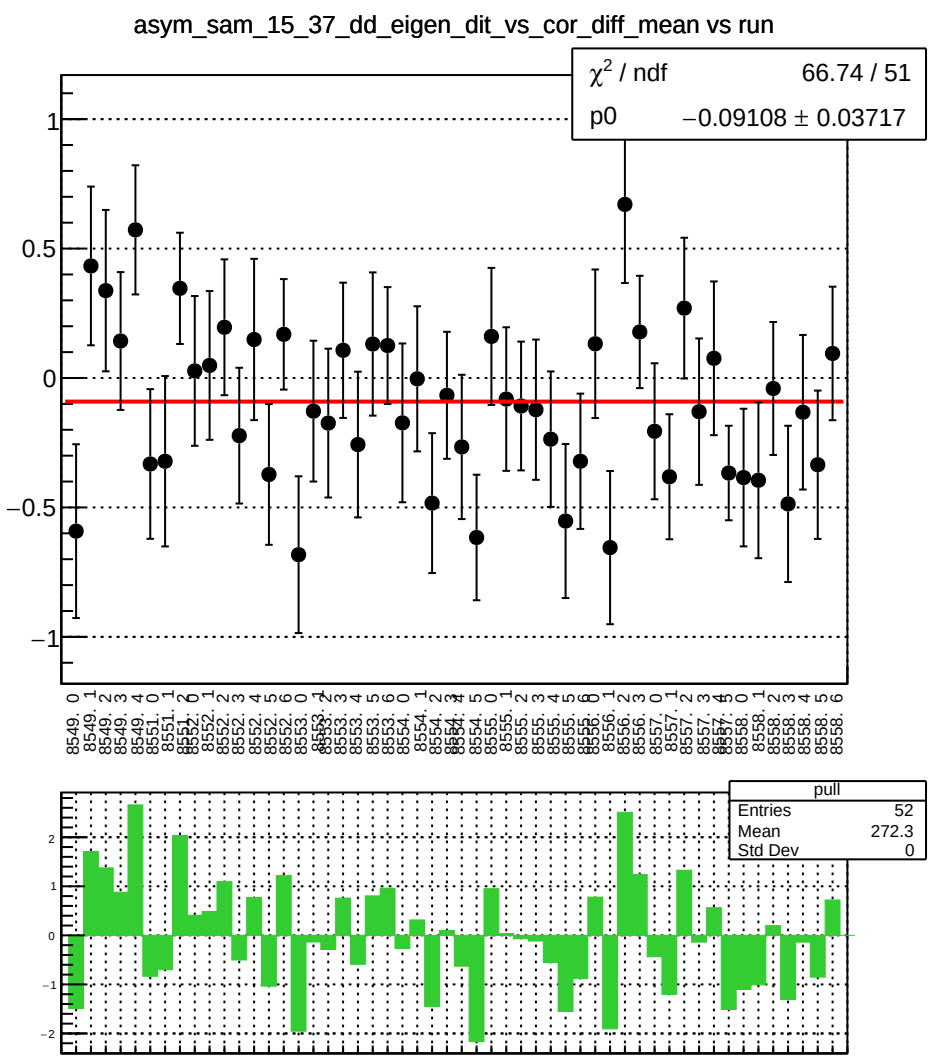

pull1D
Entries 52
Mean −0.01794
Std Dev 1.133

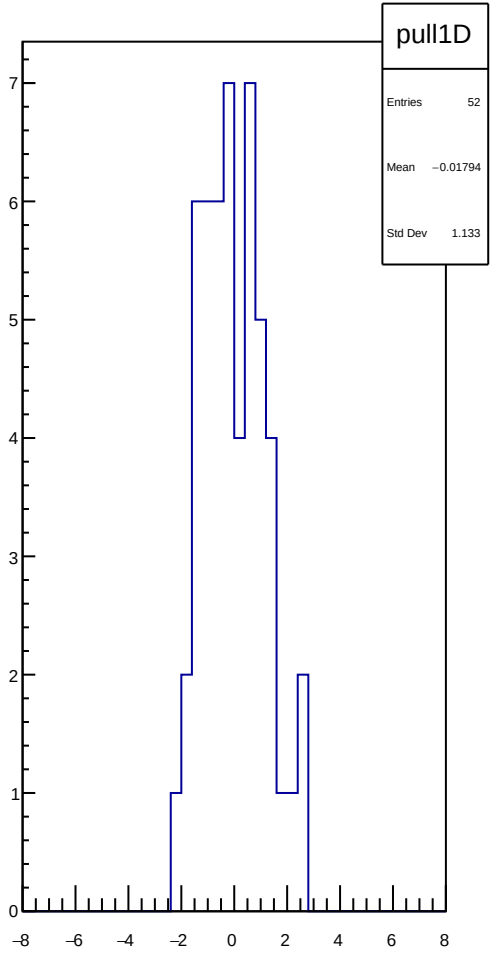

asym_sam_15_37_dd_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 6460 / 51
p0 26.55 ± 0.02628
32
30
28
26
24
22
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

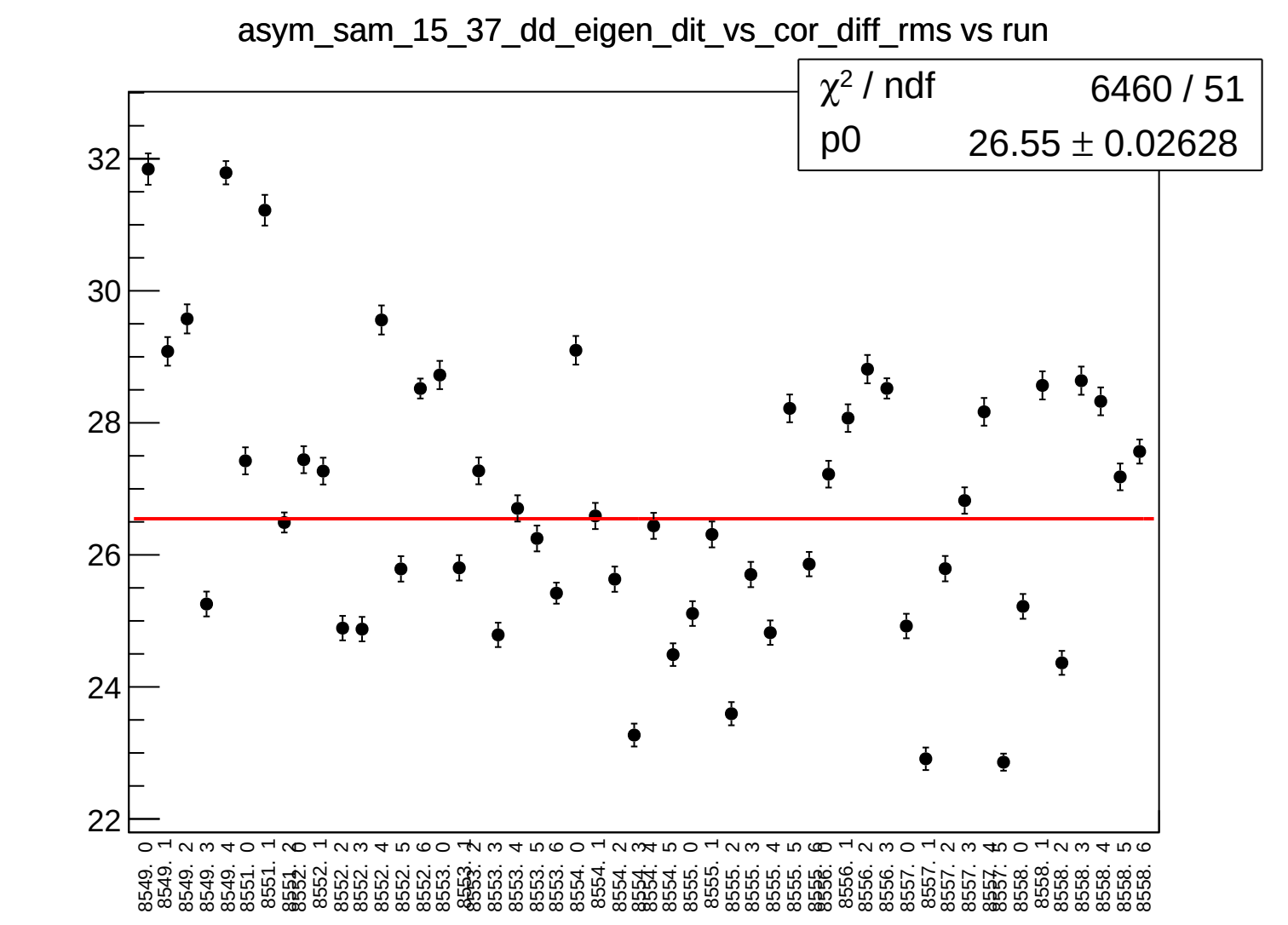

asym_sam_15_37_dd_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 54.53 / 51
p0 −7.376e−08 ± 8.766e−07
0.02
0.01
0
−0.01
−0.02
pull
Entries 52
Mean 72.29
Std Dev 0
2
1
0
−1
−2


pull1D
Entries 52
Mean 0.02168
Std Dev 1.024
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

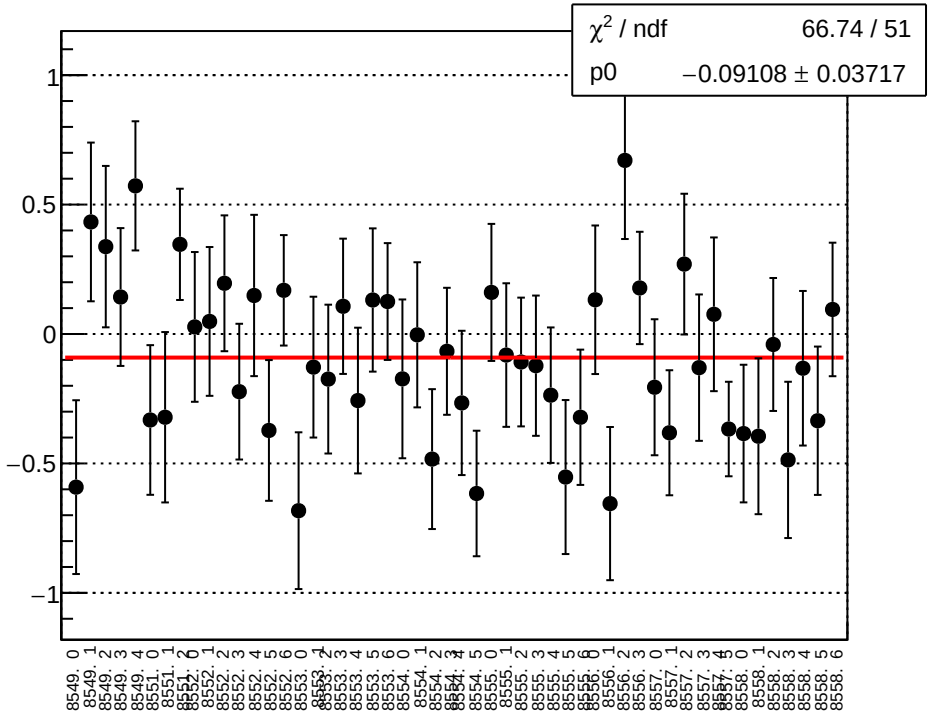

asym_sam_15_37_dd_eigen_dit_vs_dit_diff_rms vs run
×10⁻³
χ² / ndf 2836 / 51
p0 0.0006272 ± 6.198e−07
0.74
0.72
0.7
0.68
0.66
0.64
0.62
0.6
0.58
0.56
0.54
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

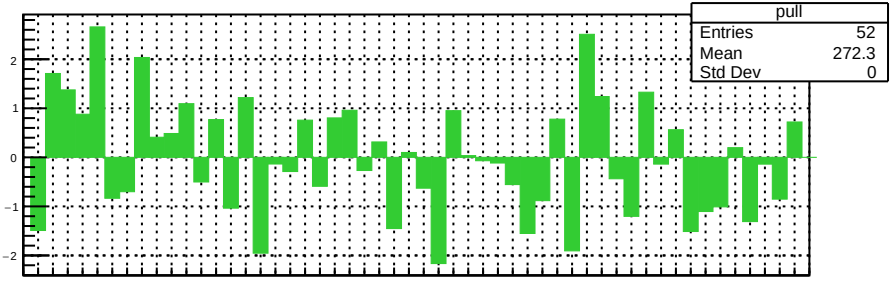

asym_sam_15_37_dd_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 66.74 / 51
p0 −0.09108 ± 0.03717
pull
Entries 52
Mean 272.3
Std Dev 0

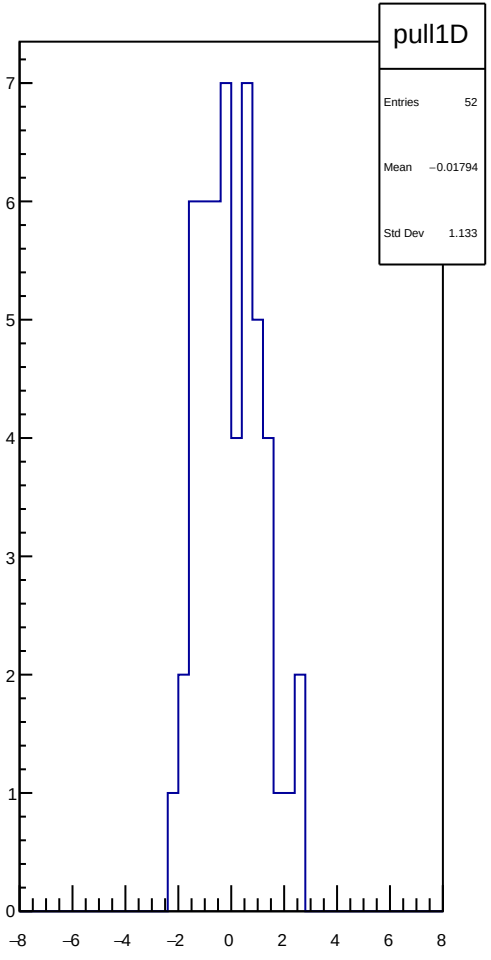

pull1D
Entries 52
Mean −0.01794
Std Dev 1.133

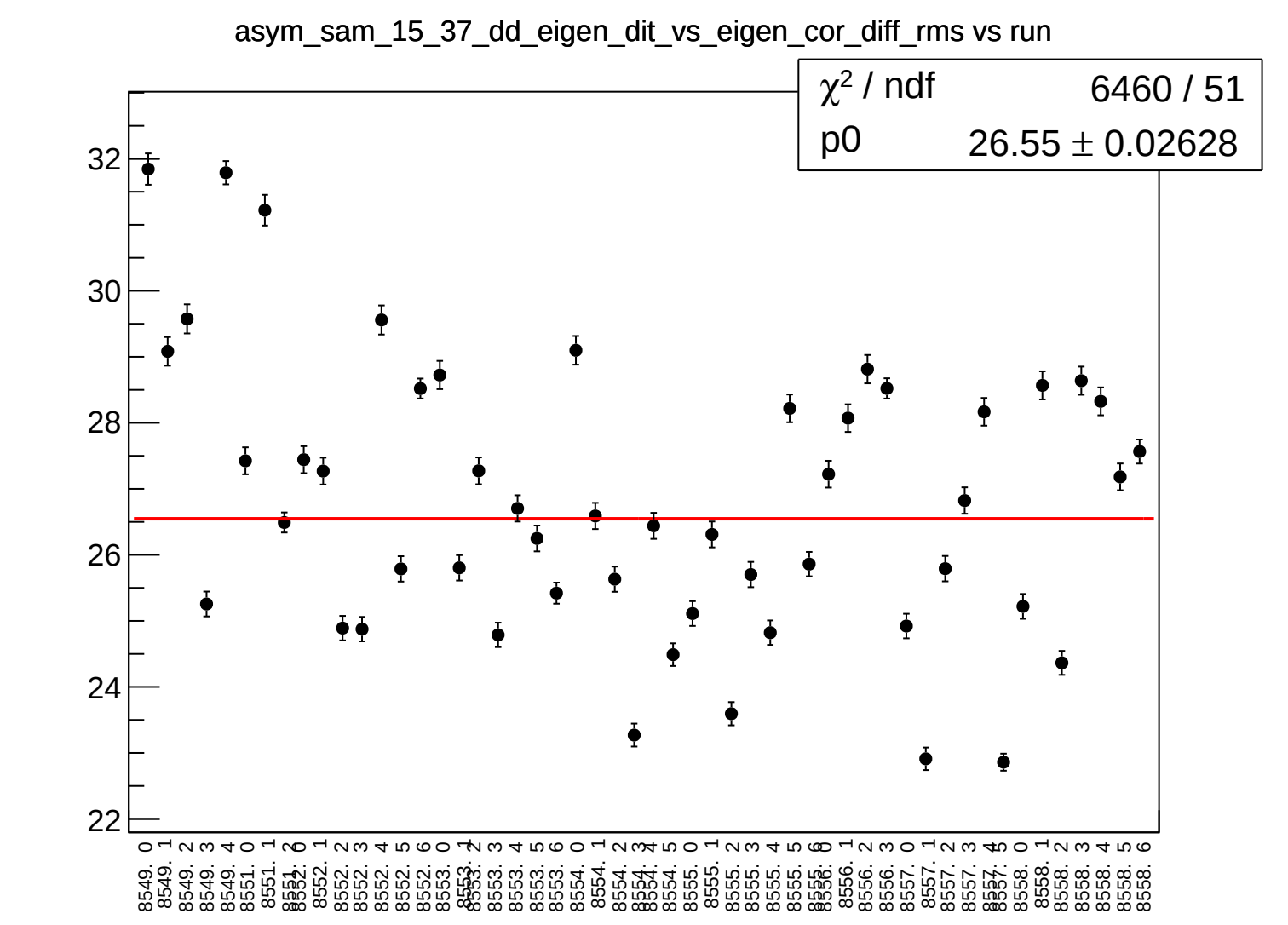

asym_sam_15_37_dd_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 6460 / 51
p0 26.55 ± 0.02628
32
30
28
26
24
22
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

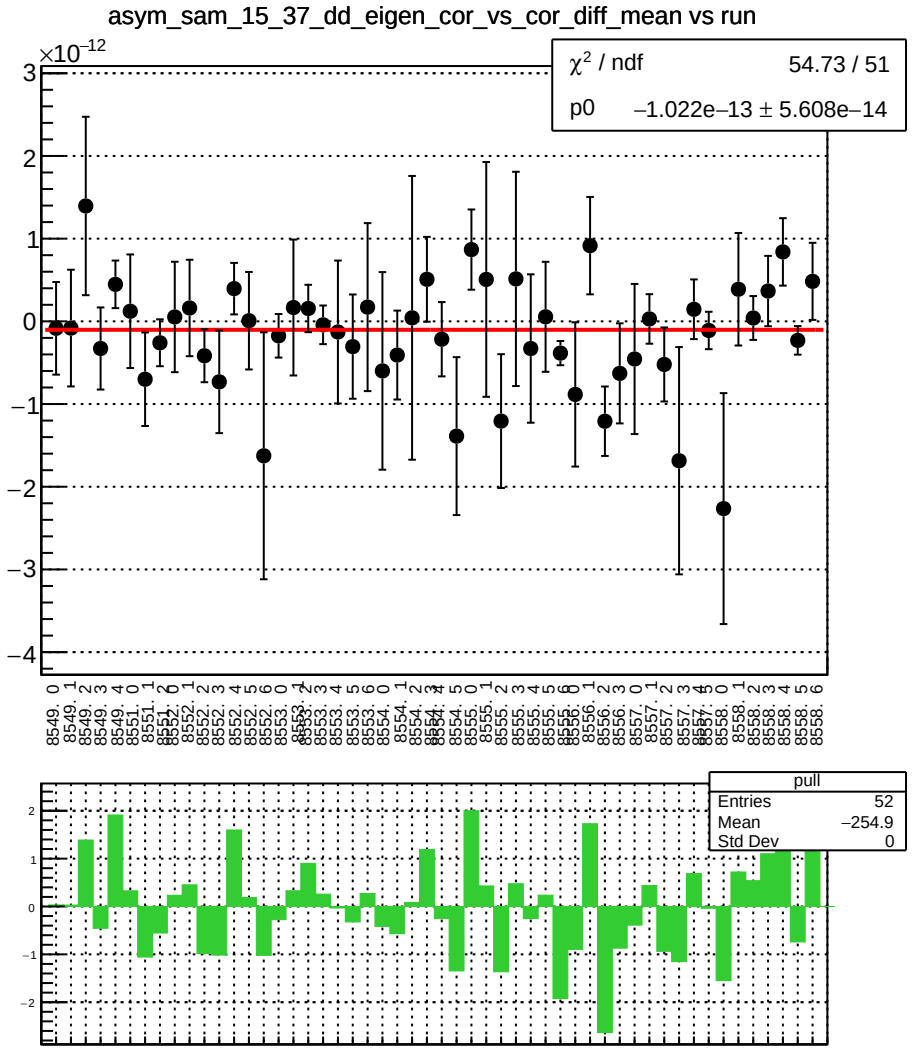
asym_sam_15_37_dd_eigen_dit_vs_eigen_cor_diff_mean vs run

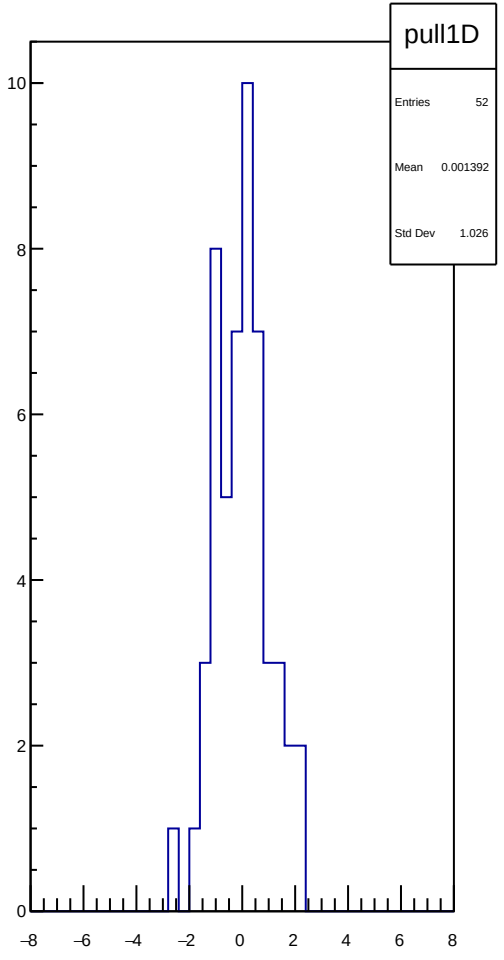


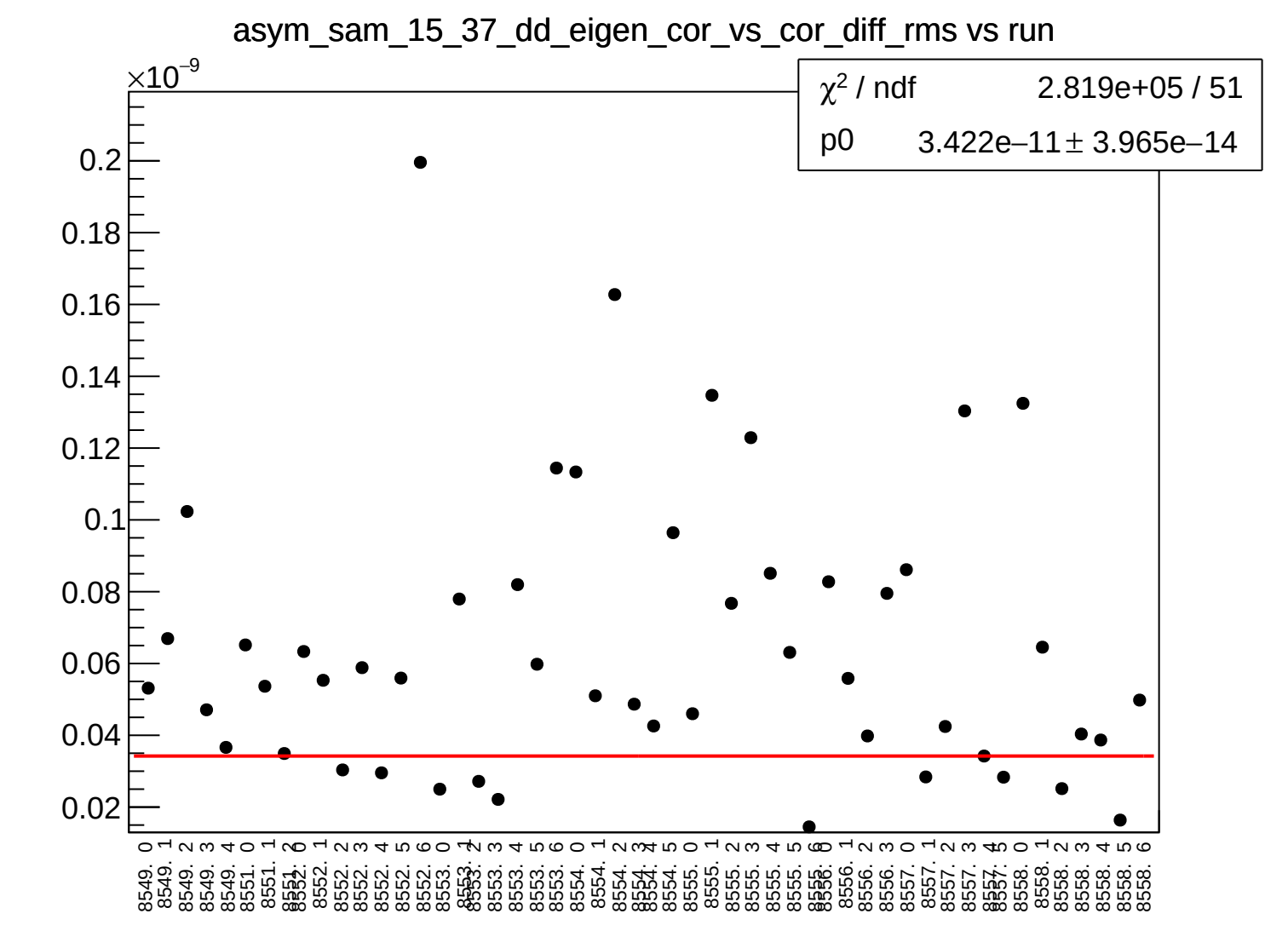


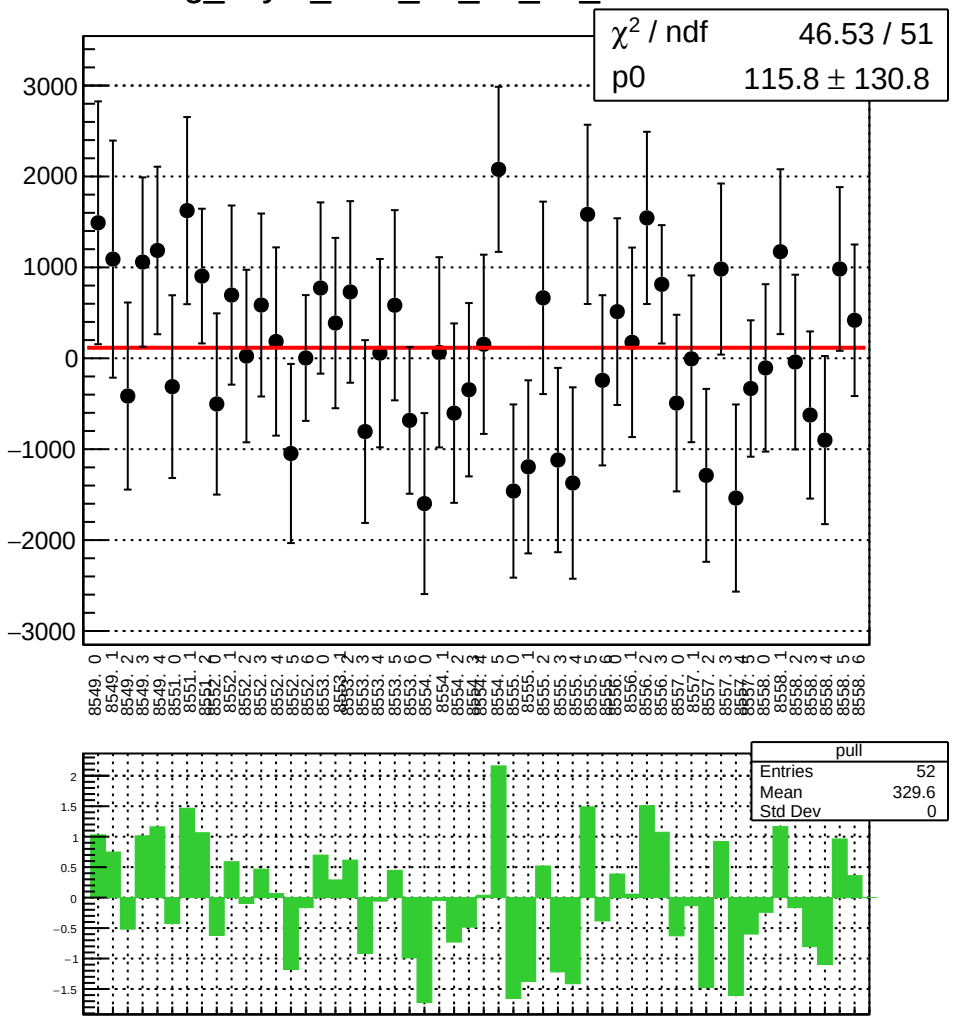


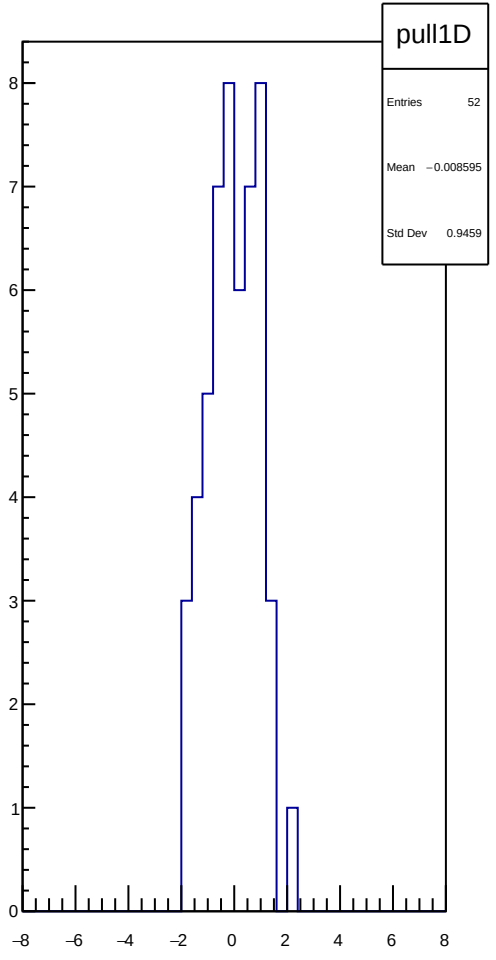

asym_sam_15_37_dd_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 6460 / 51
p0 26.55 ± 0.02628
32
30
28
26
24
22
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 5
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

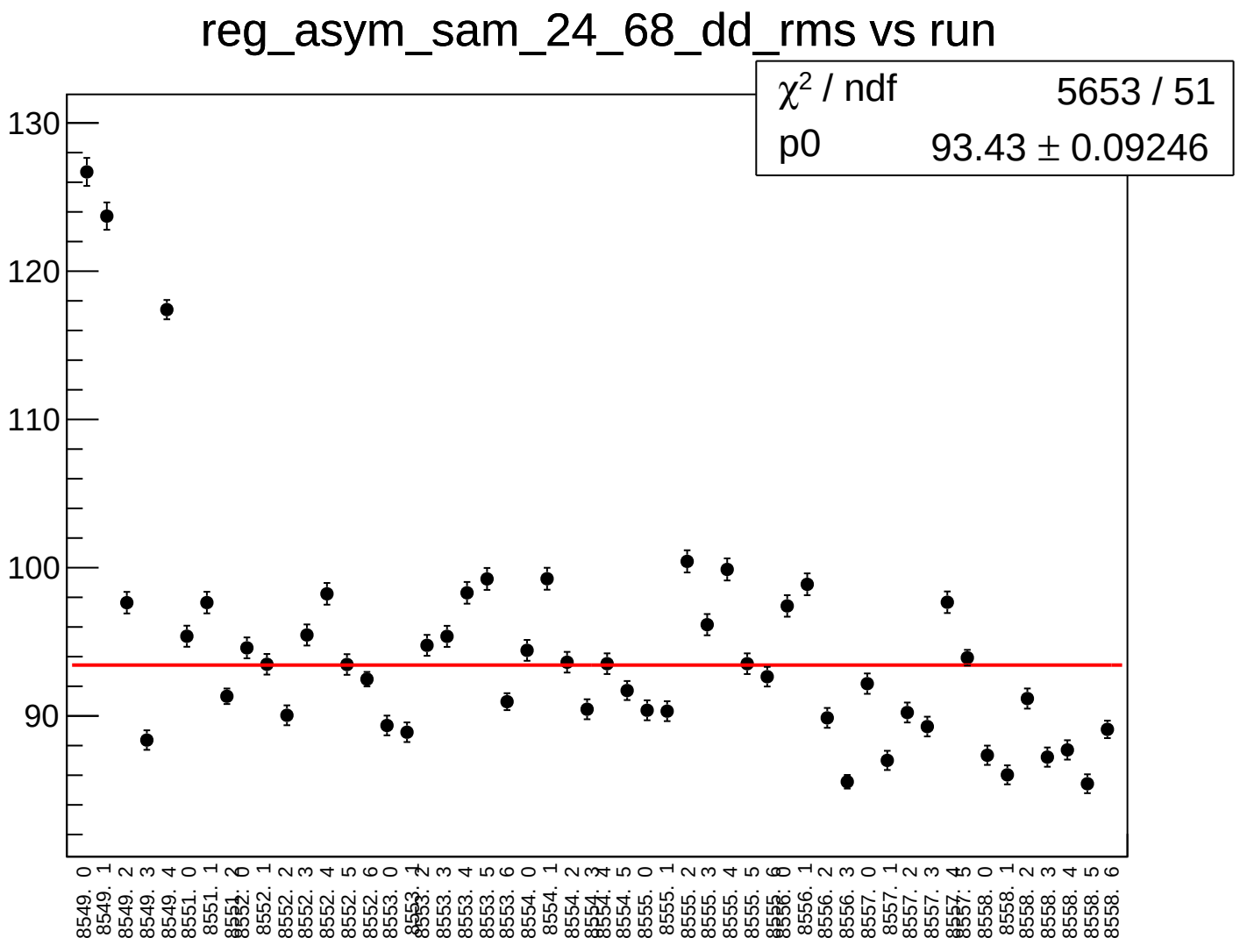

asym_sam_15_37_dd_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 54.73 / 51
p0 −1.022e−13 ± 5.608e−14
pull
Entries 52
Mean −254.9
Std Dev 0

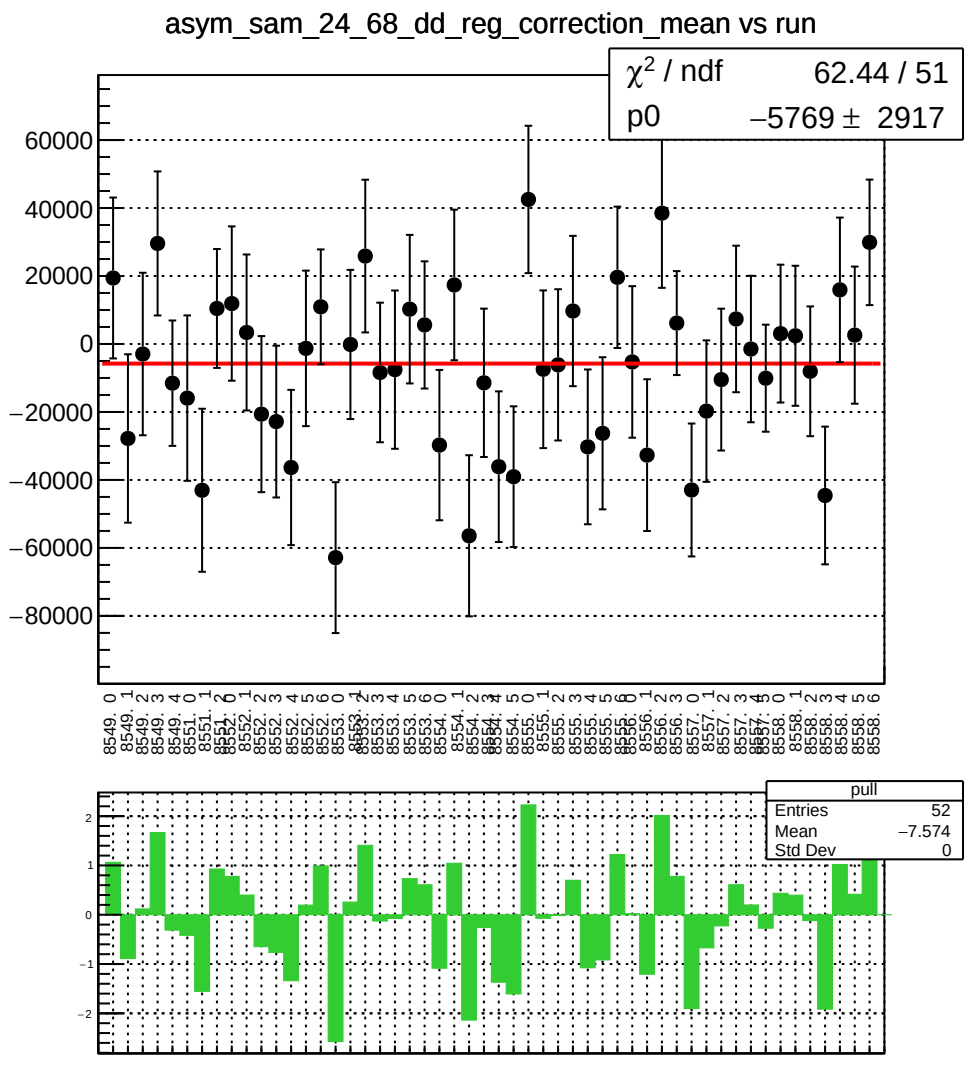

pull1D
Entries 52
Mean 0.001392
Std Dev 1.026

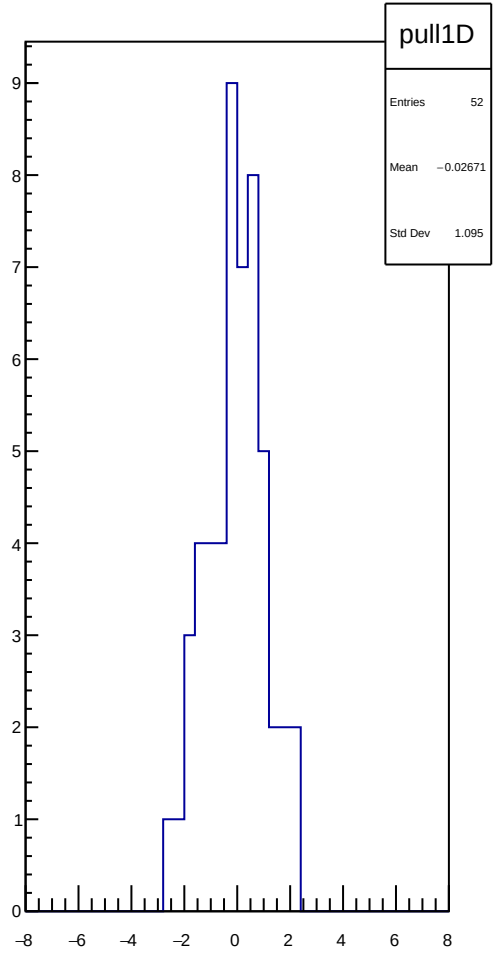

asym_sam_15_37_dd_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 2.819e+05 / 51
p0 3.422e−11 ± 3.965e−14
0.2
0.18
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 5
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

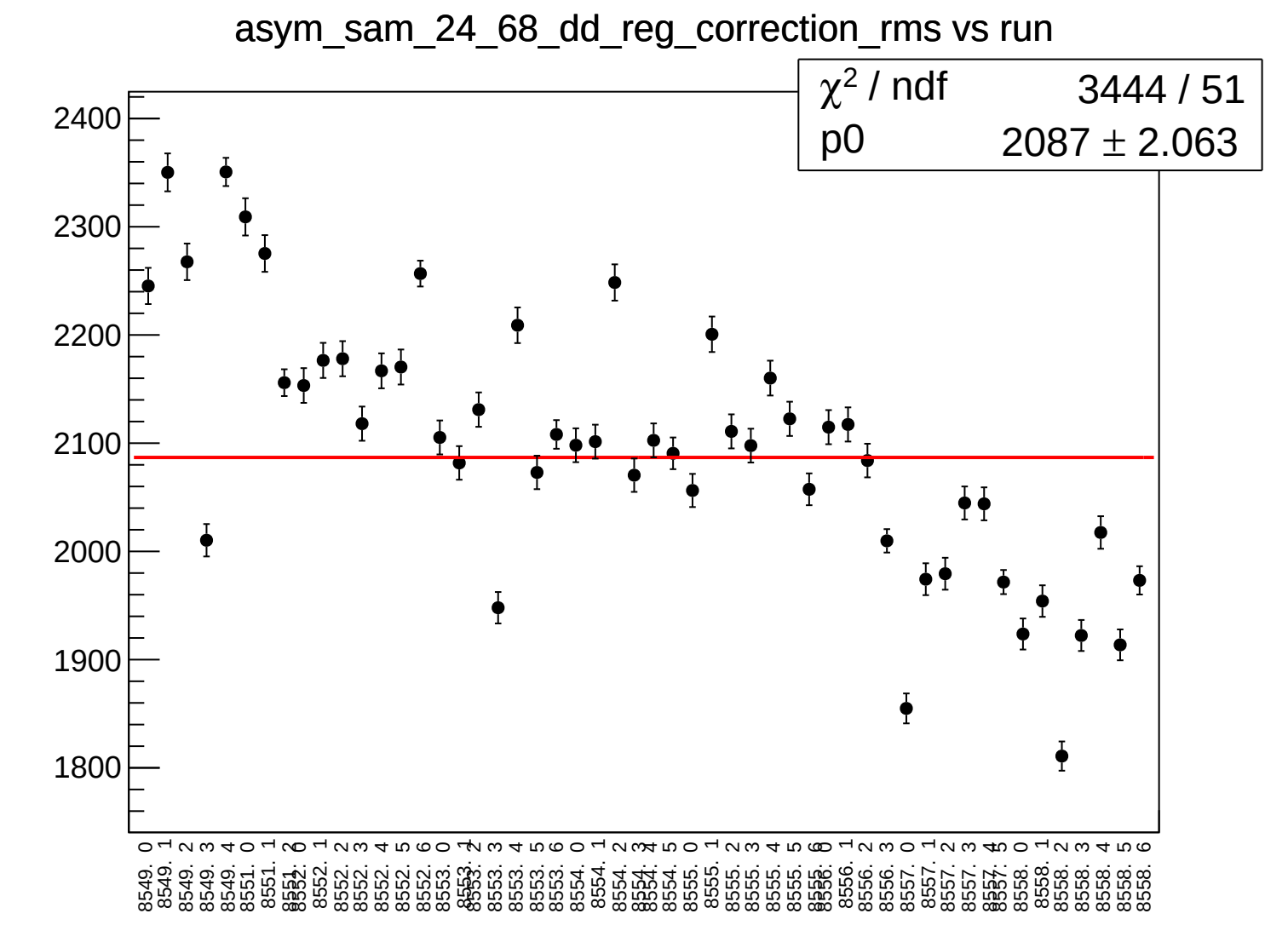

reg_asym_sam_24_68_dd_mean vs run
χ^2 / ndf 46.53 / 51
p0 115.8 ± 130.8
pull
Entries 52
Mean 329.6
Std Dev 0

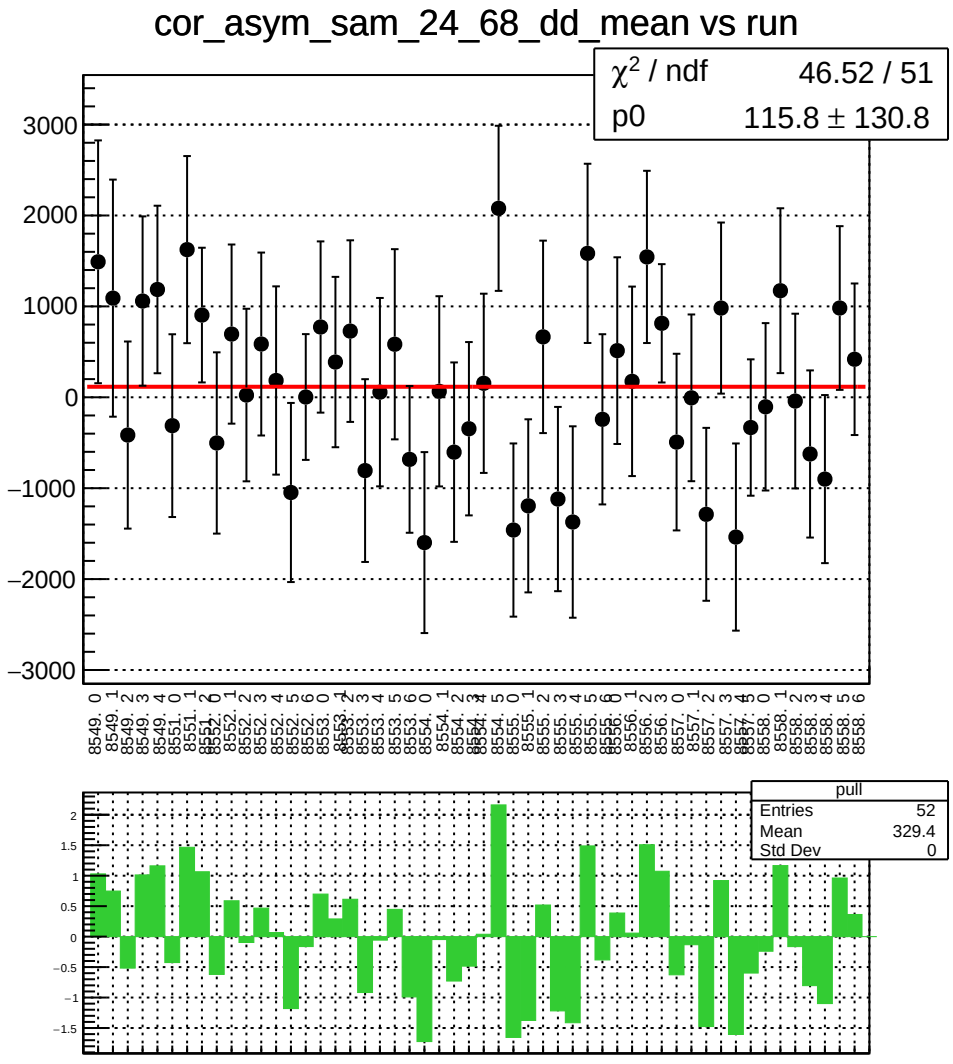

pull1D
Entries 52
Mean −0.008595
Std Dev 0.9459

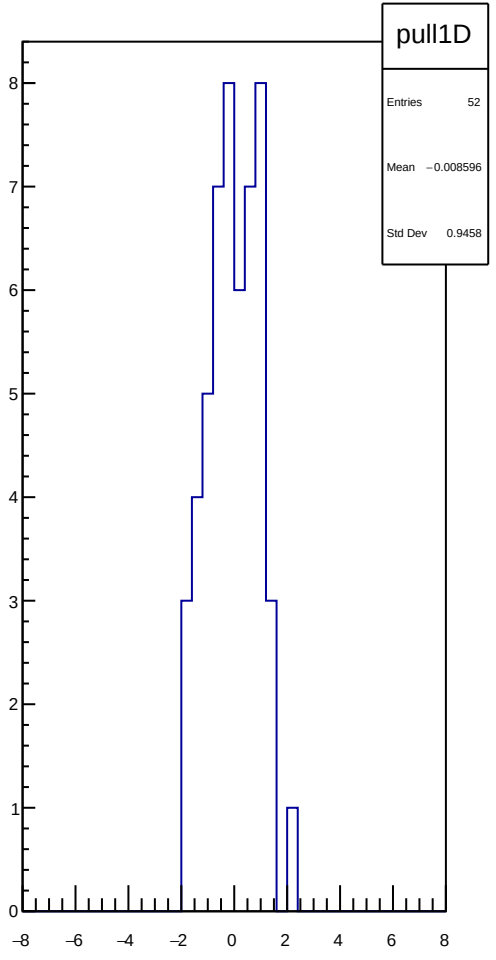

reg_asym_sam_24_68_dd_rms vs run
χ² / ndf 5653 / 51
p0 93.43 ± 0.09246
130
120
110
100
90
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 5
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

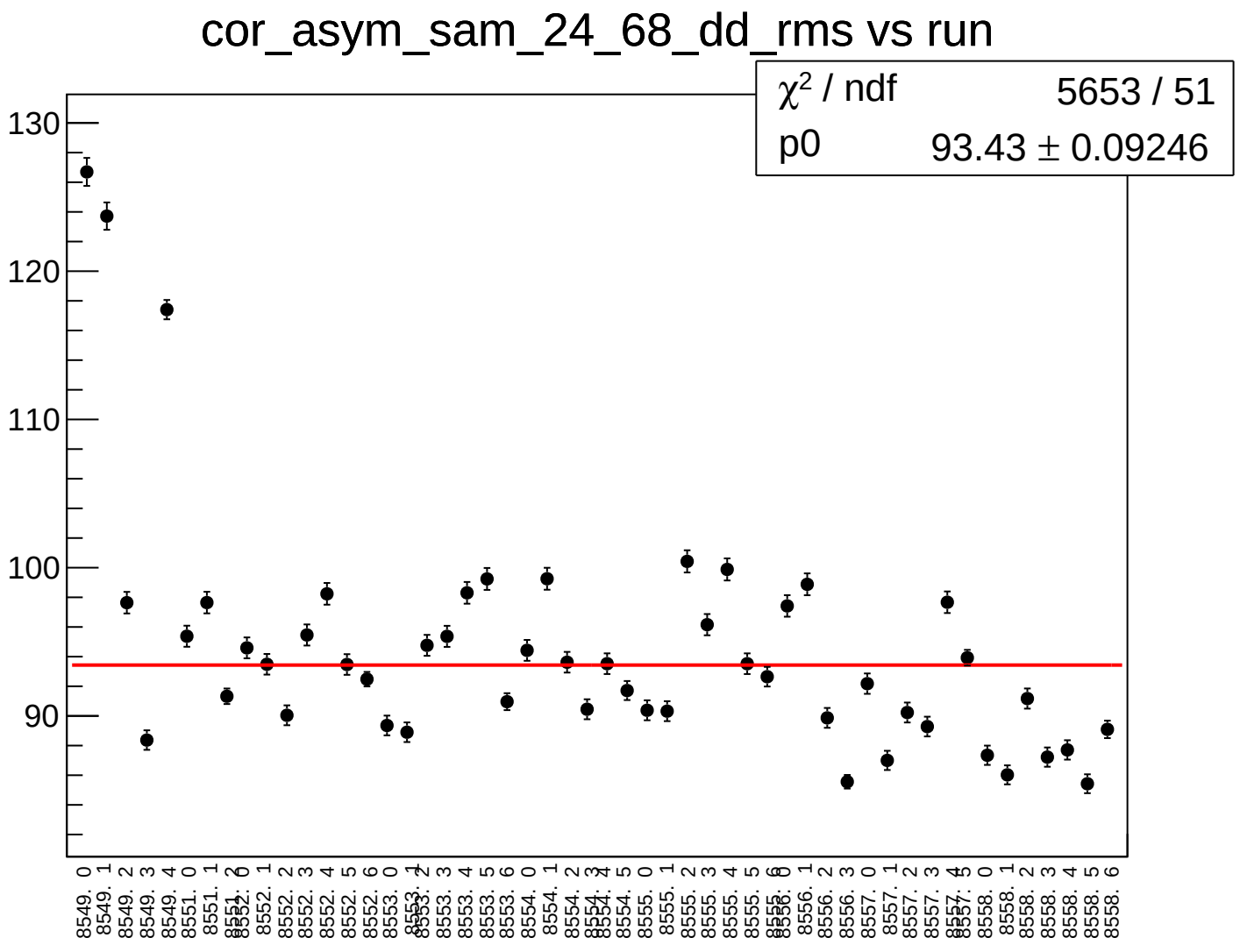

asym_sam_24_68_dd_reg_correction_mean vs run
χ² / ndf 62.44 / 51
p0 −5769 ± 2917
pull
Entries 52
Mean −7.574
Std Dev 0


pull1D
Entries 52
Mean −0.02671
Std Dev 1.095


asym_sam_24_68_dd_reg_correction_rms vs run
χ² / ndf 3444 / 51
p0 2087 ± 2.063
2400
2300
2200
2100
2000
1900
1800
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6


cor_asym_sam_24_68_dd_mean vs run
χ² / ndf 46.52 / 51
p0 115.8 ± 130.8
pull
Entries 52
Mean 329.4
Std Dev 0


pull1D
Entries 52
Mean −0.008596
Std Dev 0.9458


cor_asym_sam_24_68_dd_rms vs run
χ² / ndf 5653 / 51
p0 93.43 ± 0.09246
130
120
110
100
90
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
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8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
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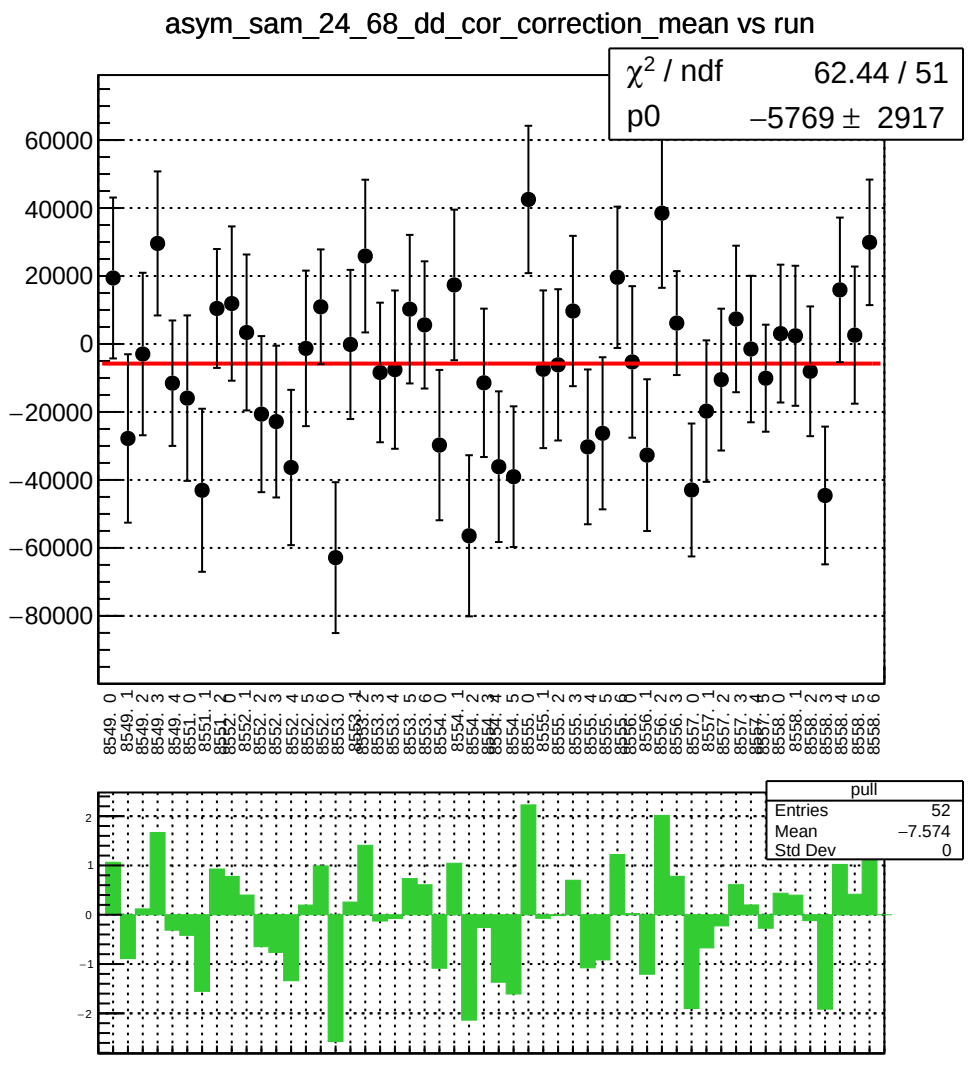
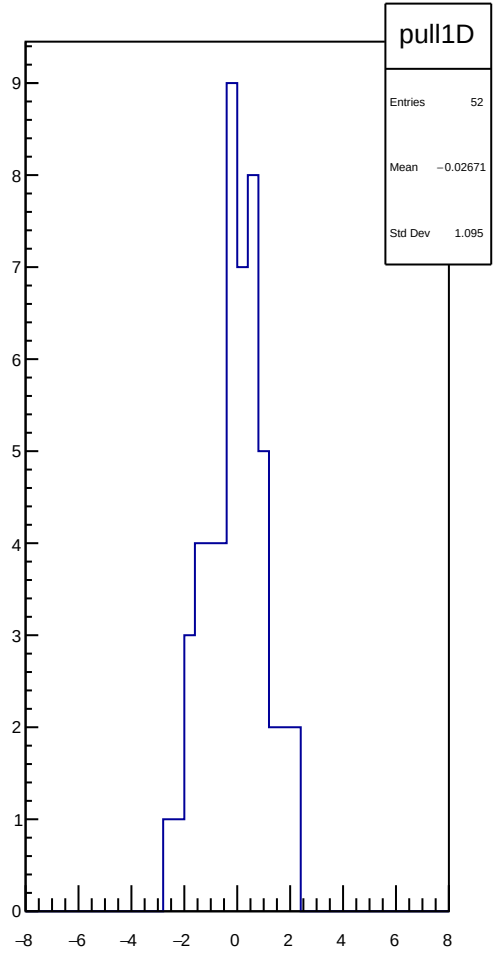
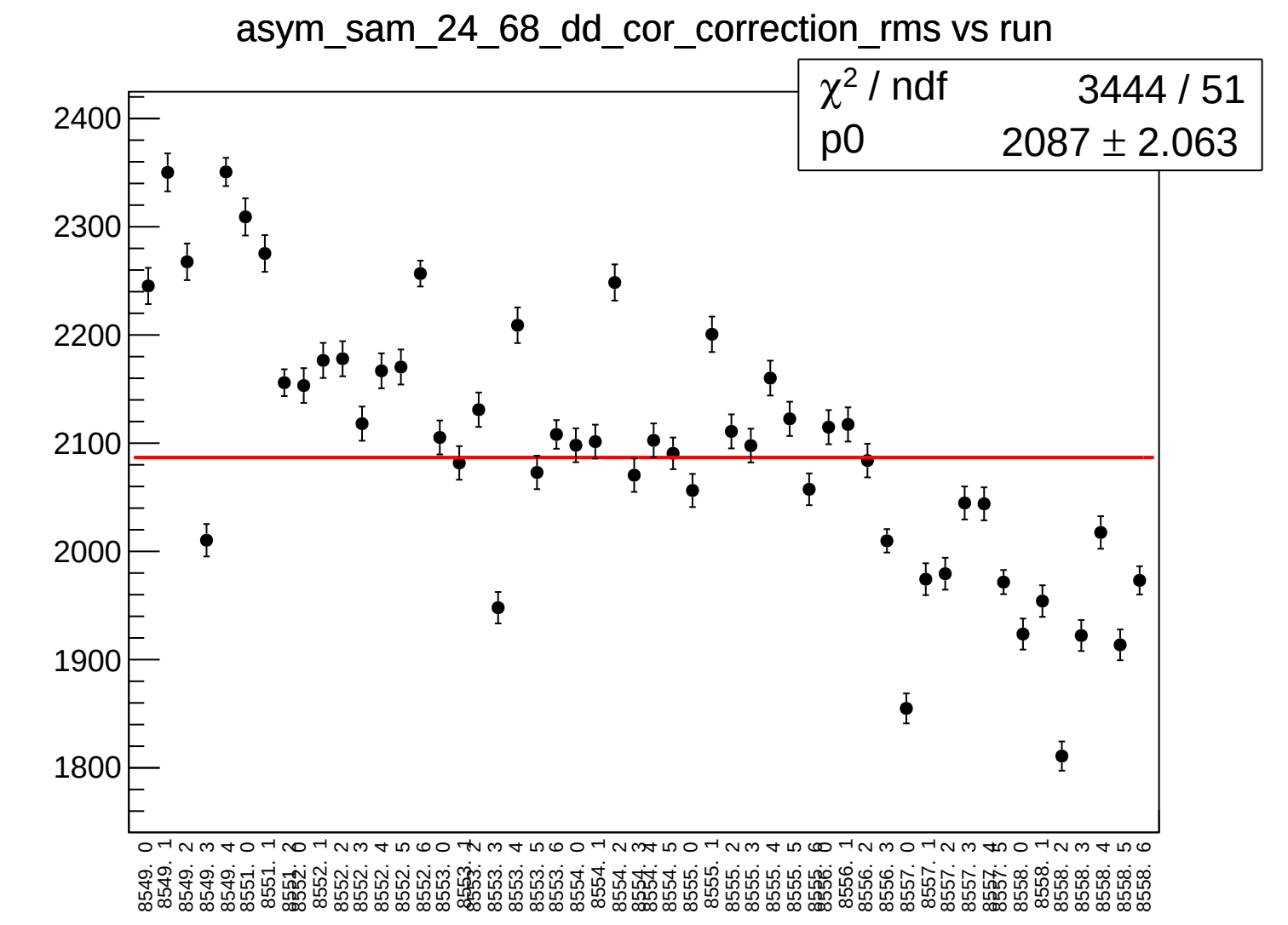
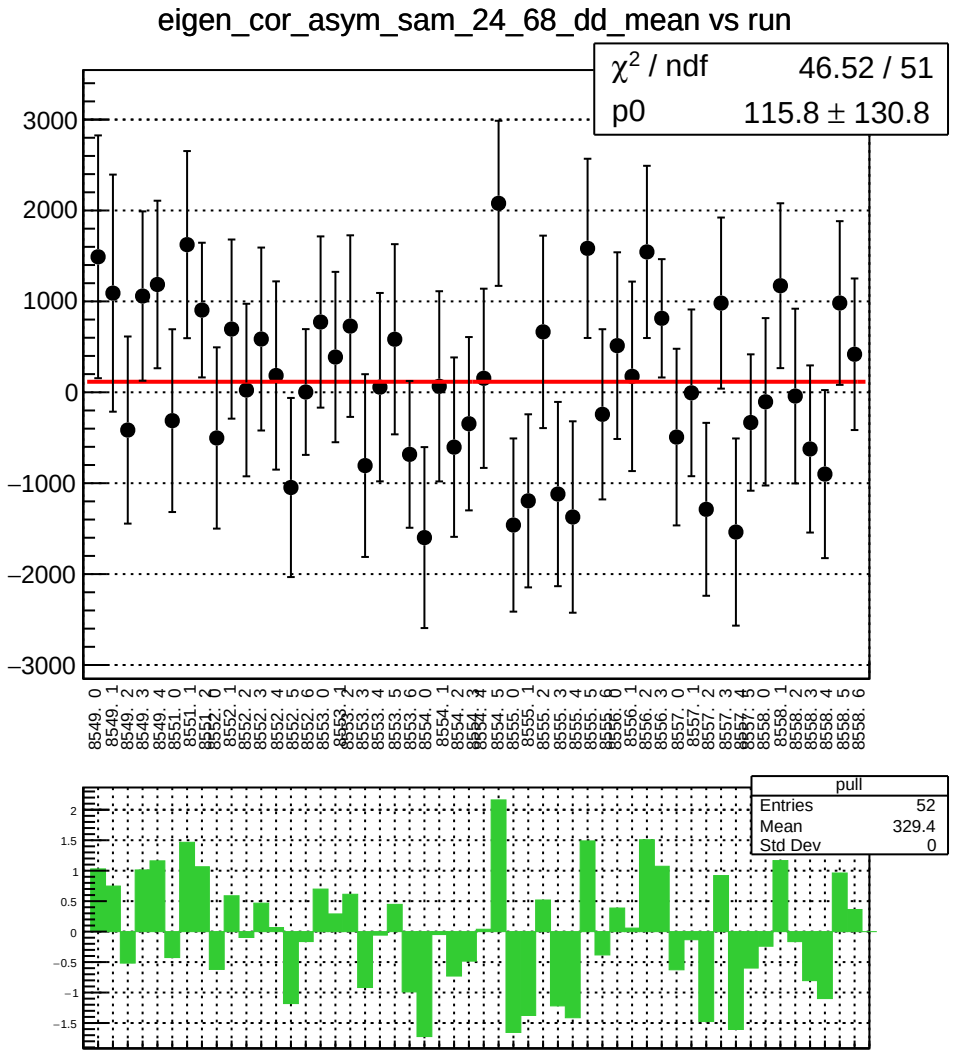
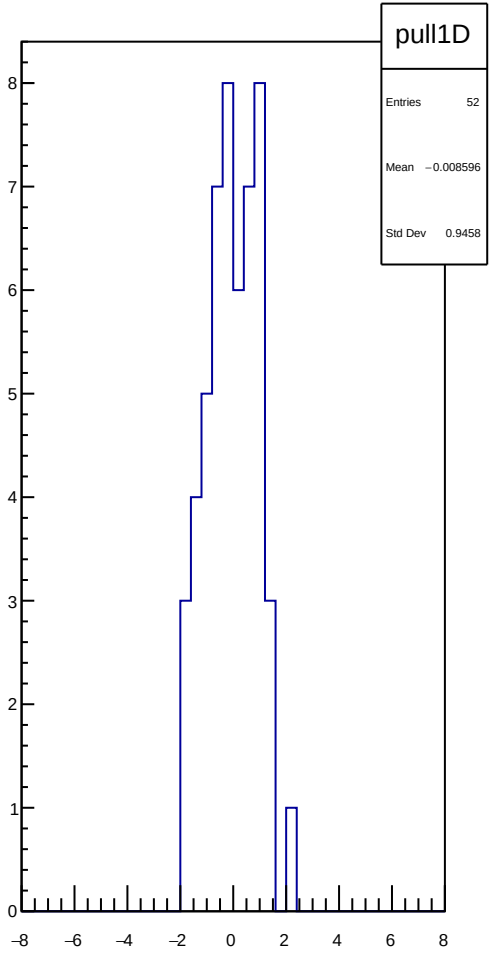
8558. 5
8558. 6

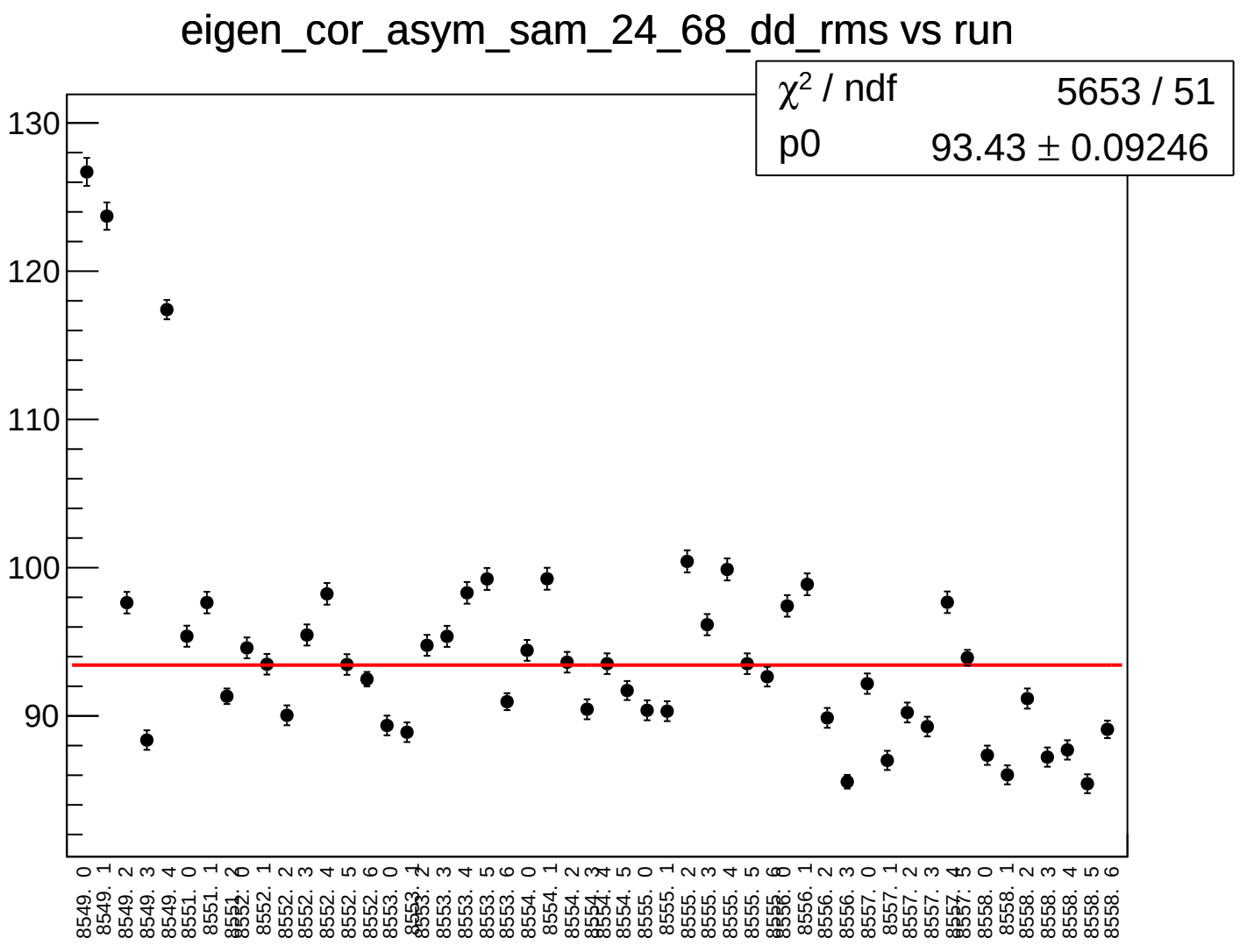

asym_sam_24_68_dd_cor_correction_mean vs run
χ² / ndf 62.44 / 51
p0 −5769 ± 2917
pull
Entries 52
Mean −7.574
Std Dev 0

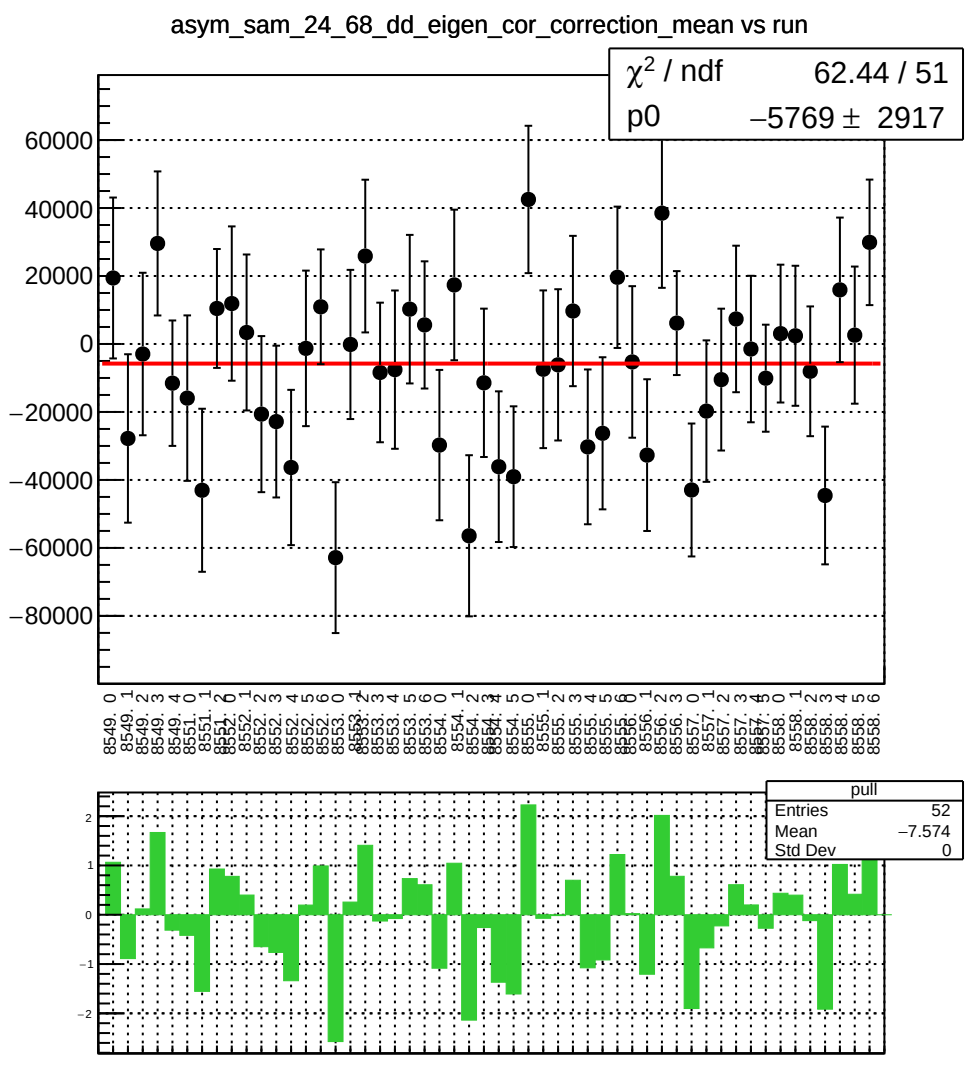

pull1D
Entries 52
Mean −0.02671
Std Dev 1.095

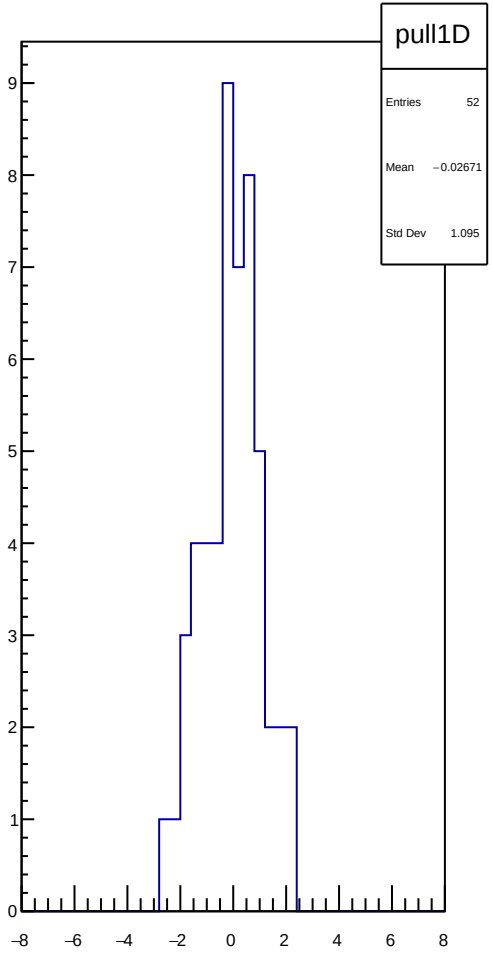

asym_sam_24_68_dd_cor_correction_rms vs run
χ² / ndf 3444 / 51
p0 2087 ± 2.063
2400
2300
2200
2100
2000
1900
1800
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

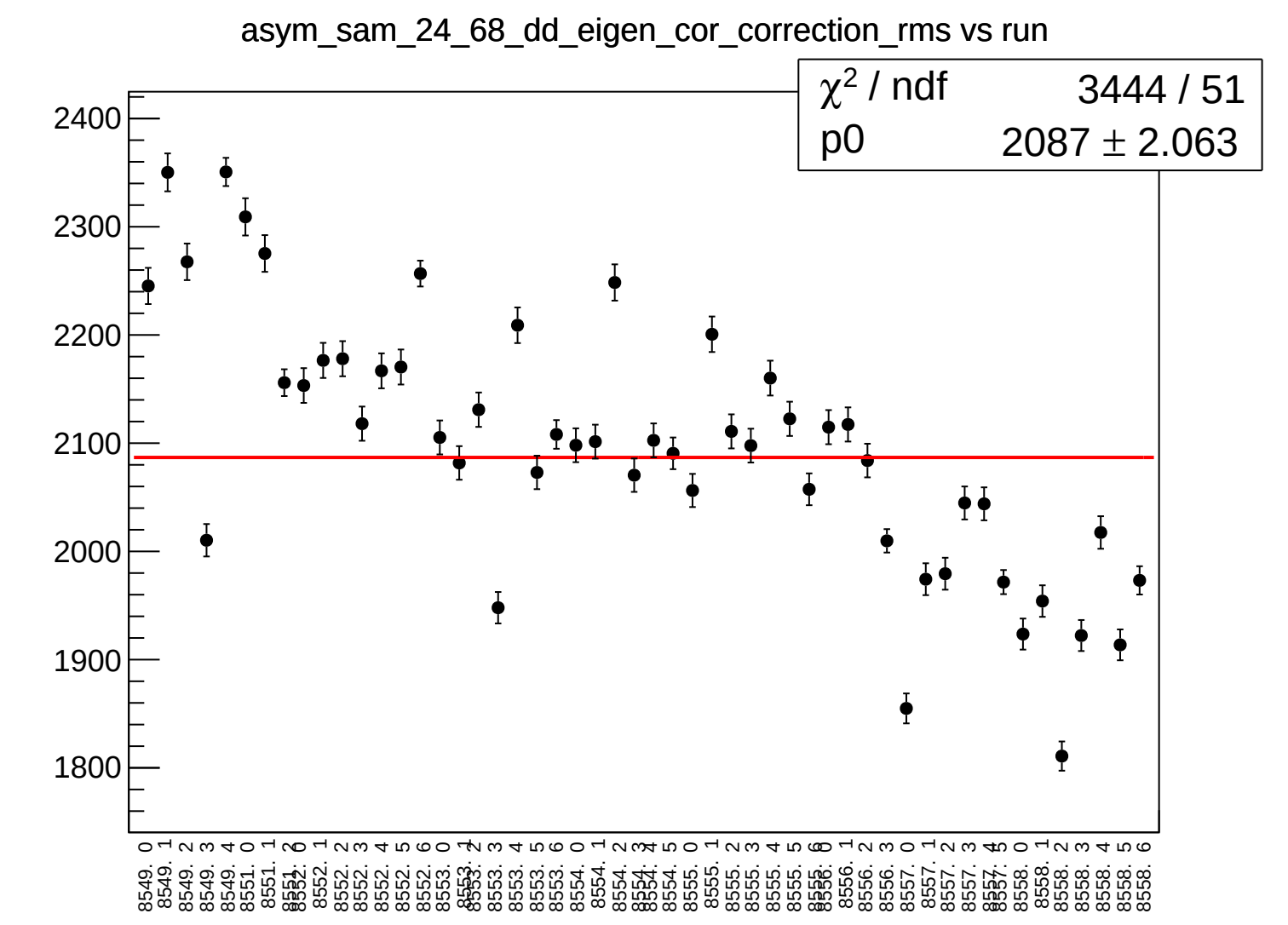

eigen_cor_asym_sam_24_68_dd_mean vs run
χ^2 / ndf 46.52 / 51
p0 115.8 ± 130.8
pull
Entries 52
Mean 329.4
Std Dev 0

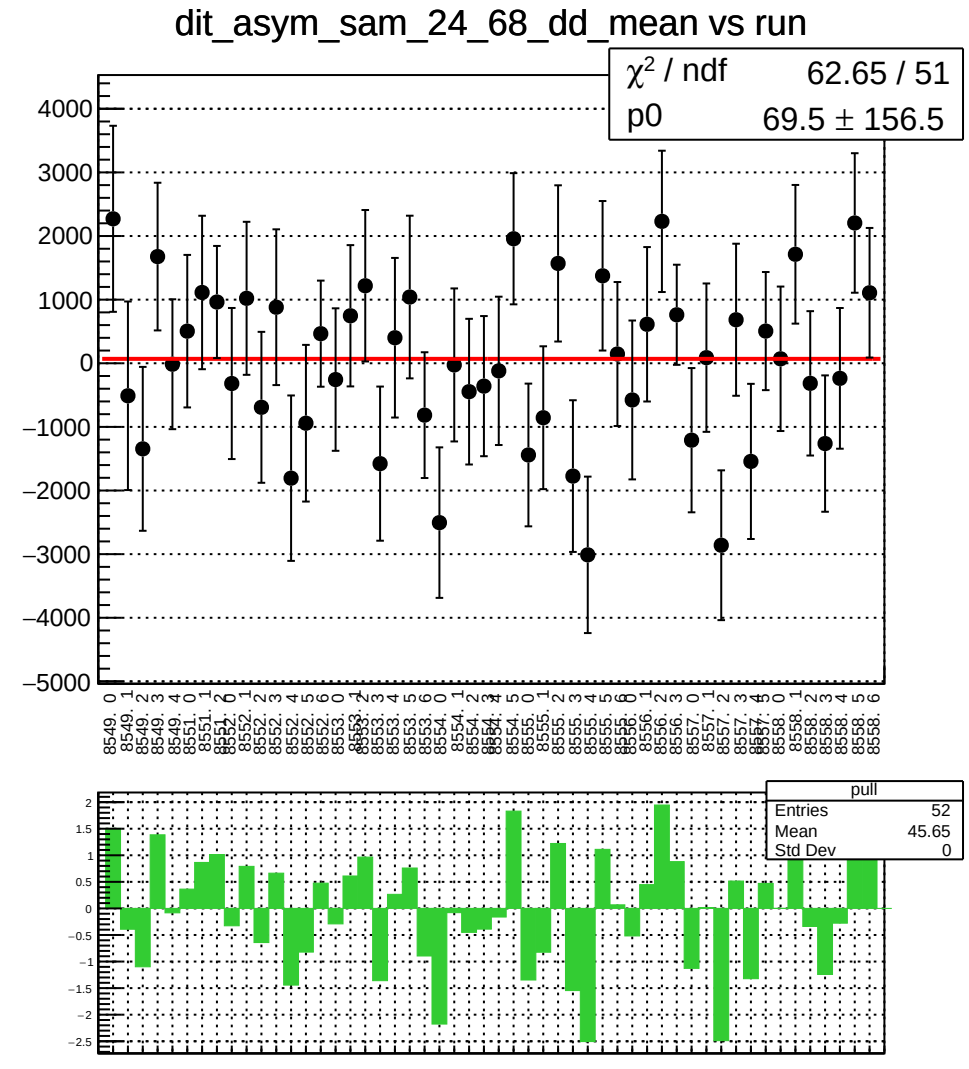

pull1D
Entries 52
Mean −0.008596
Std Dev 0.9458

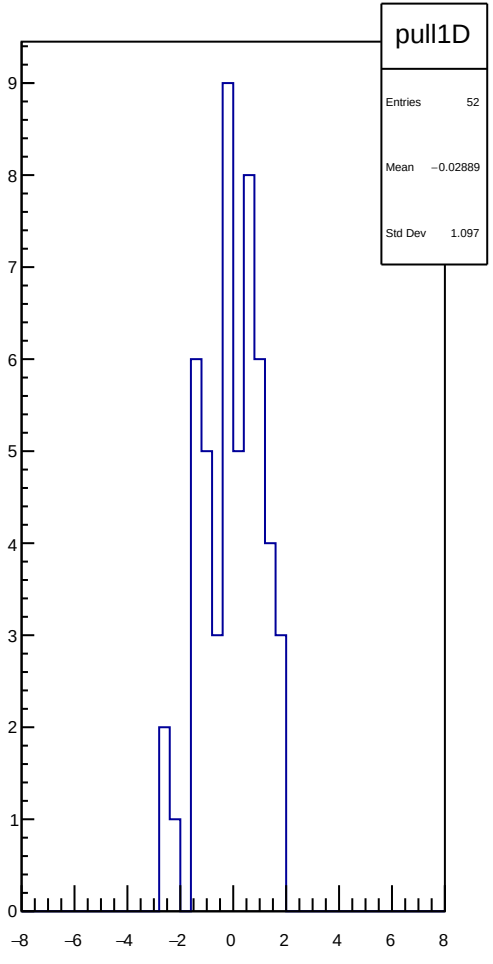

eigen_cor_asym_sam_24_68_dd_rms vs run
χ² / ndf 5653 / 51
p0 93.43 ± 0.09246
130
120
110
100
90
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

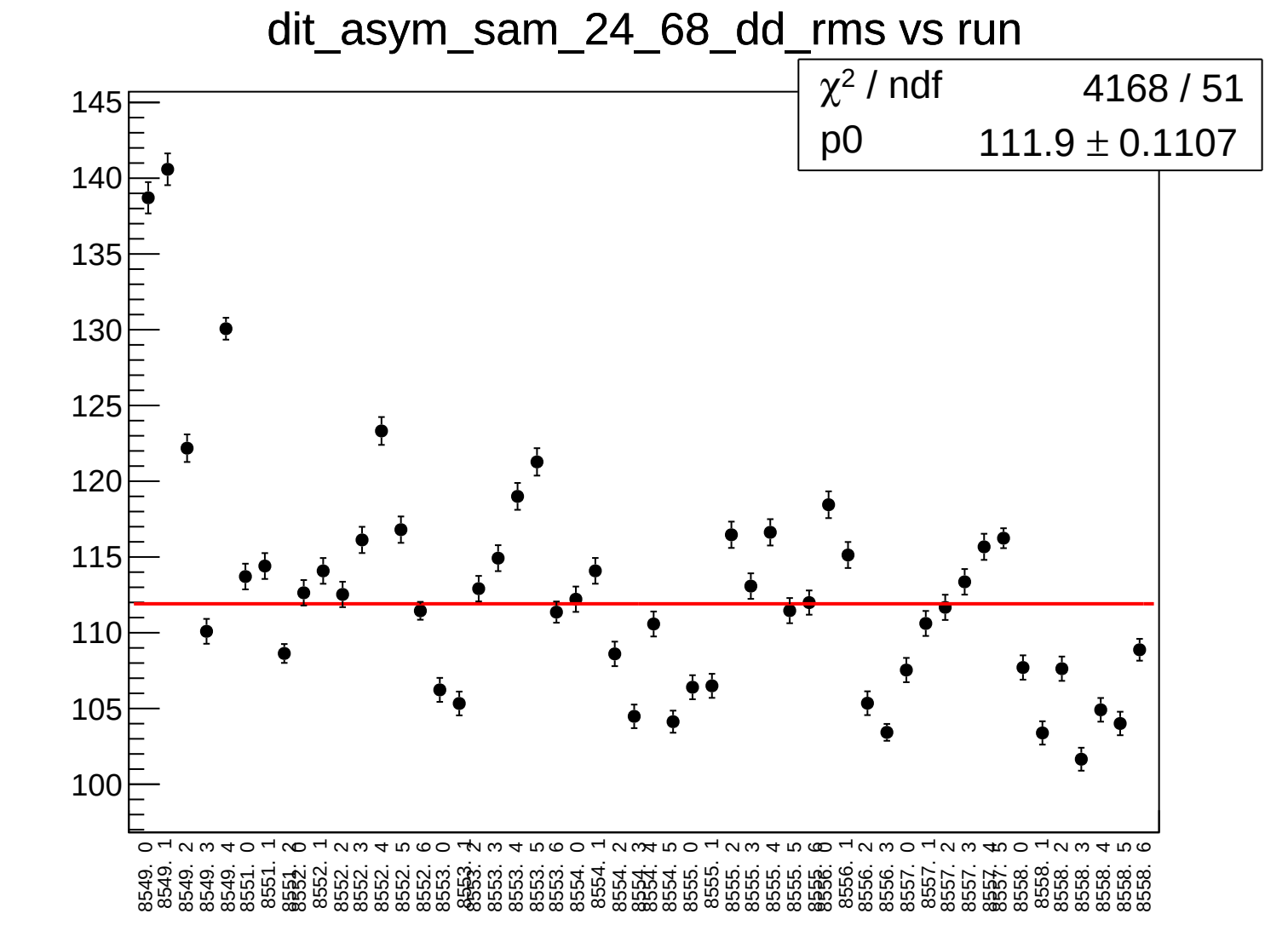

asym_sam_24_68_dd_eigen_cor_correction_mean vs run
χ² / ndf 62.44 / 51
p0 −5769 ± 2917
pull
Entries 52
Mean −7.574
Std Dev 0

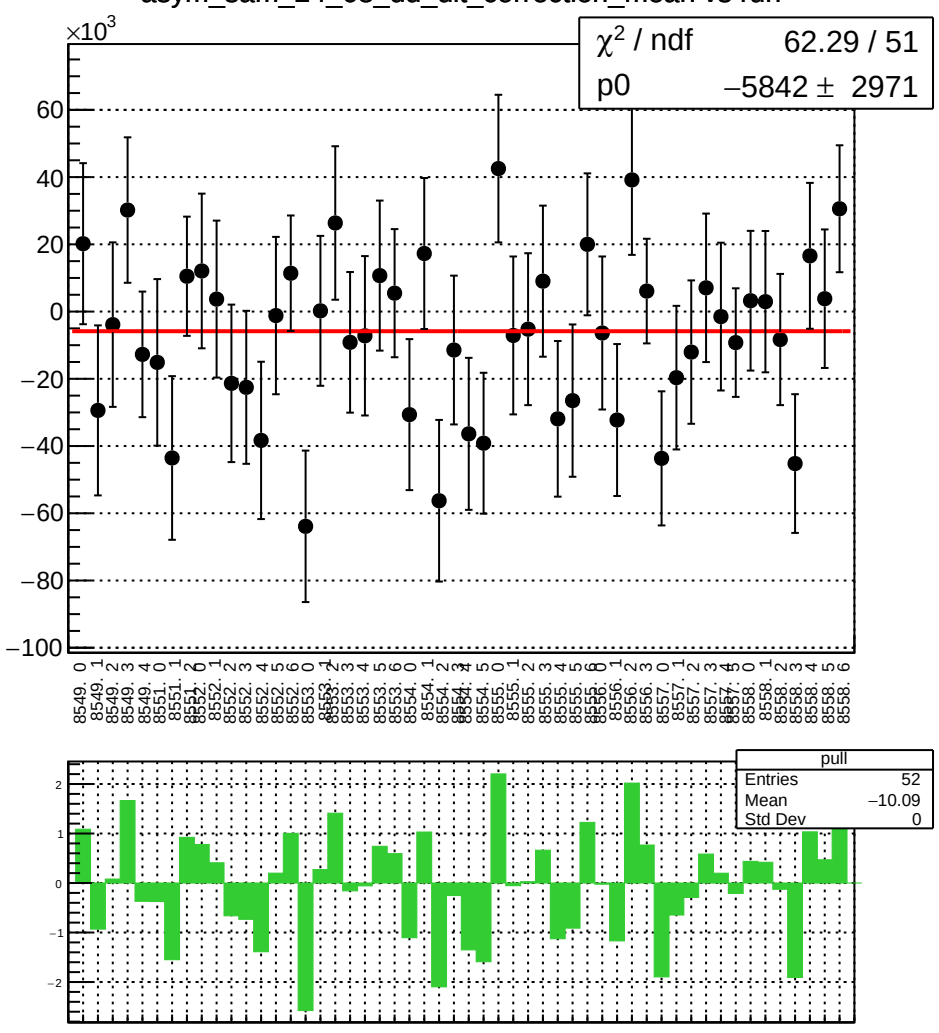

pull1D
Entries 52
Mean −0.02671
Std Dev 1.095

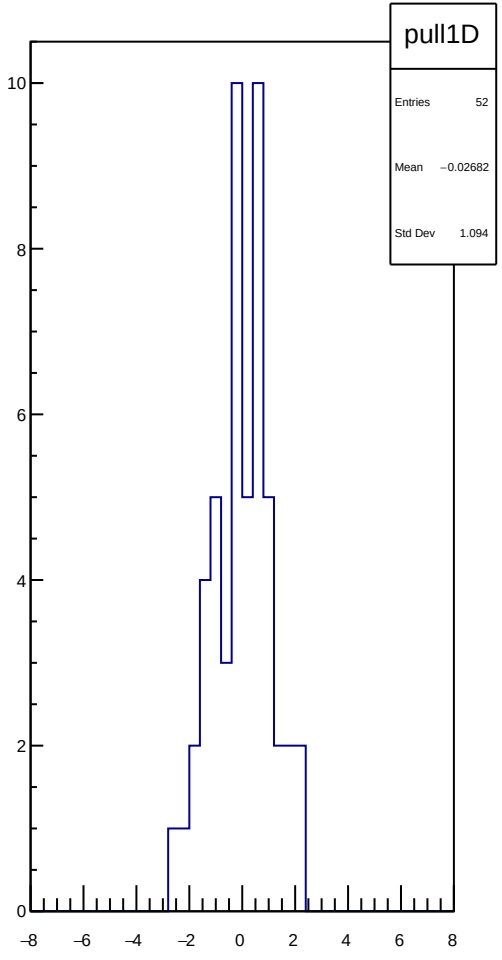

asym_sam_24_68_dd_eigen_cor_correction_rms vs run
χ² / ndf 3444 / 51
p0 2087 ± 2.063
2400
2300
2200
2100
2000
1900
1800
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 5
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

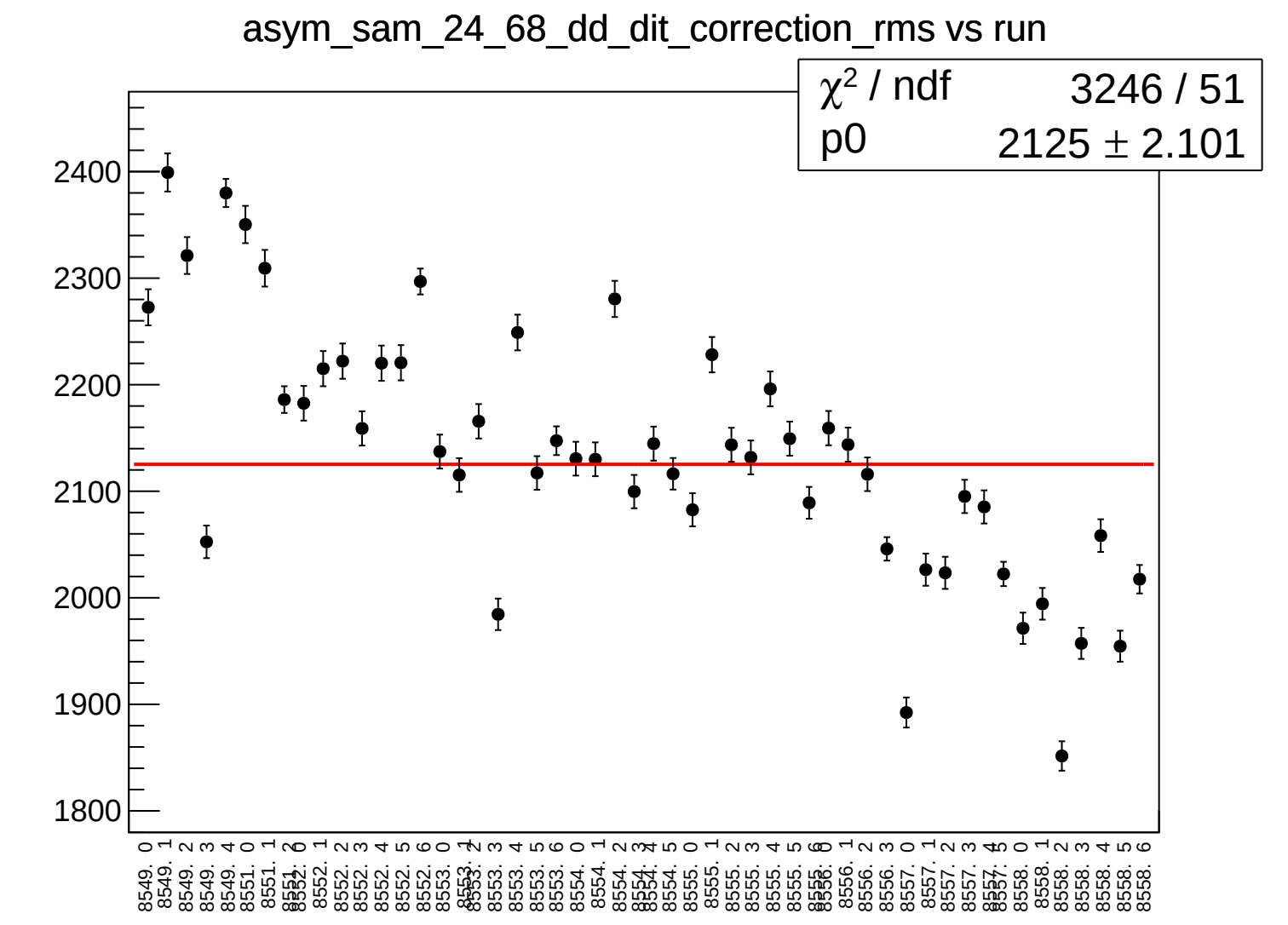

dit_asym_sam_24_68_dd_mean vs run
χ² / ndf 62.65 / 51
p0 69.5 ± 156.5
pull
Entries 52
Mean 45.65
Std Dev 0


pull1D
Entries 52
Mean −0.02889
Std Dev 1.097


dit_asym_sam_24_68_dd_rms vs run
χ² / ndf 4168 / 51
p0 111.9 ± 0.1107
145
140
135
130
125
120
115
110
105
100
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 5
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6


asym_sam_24_68_dd_dit_correction_mean vs run
×10^3
χ² / ndf 62.29 / 51
p0 −5842 ± 2971
pull
Entries 52
Mean −10.09
Std Dev 0


pull1D
Entries 52
Mean −0.02682
Std Dev 1.094


asym_sam_24_68_dd_dit_correction_rms vs run
χ² / ndf 3246 / 51
p0 2125 ± 2.101
2400
2300
2200
2100
2000
1900
1800
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
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8557. 3
8558. 0
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8558. 2
8558. 3
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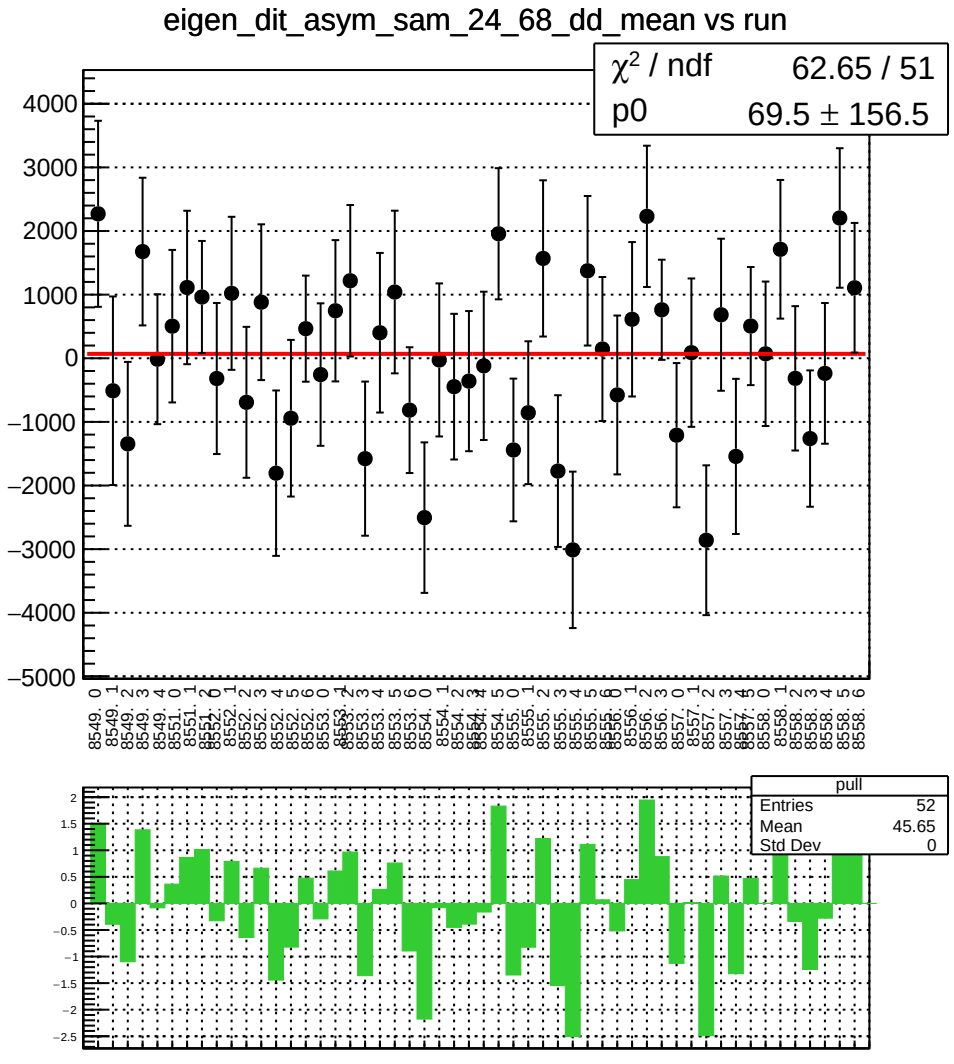
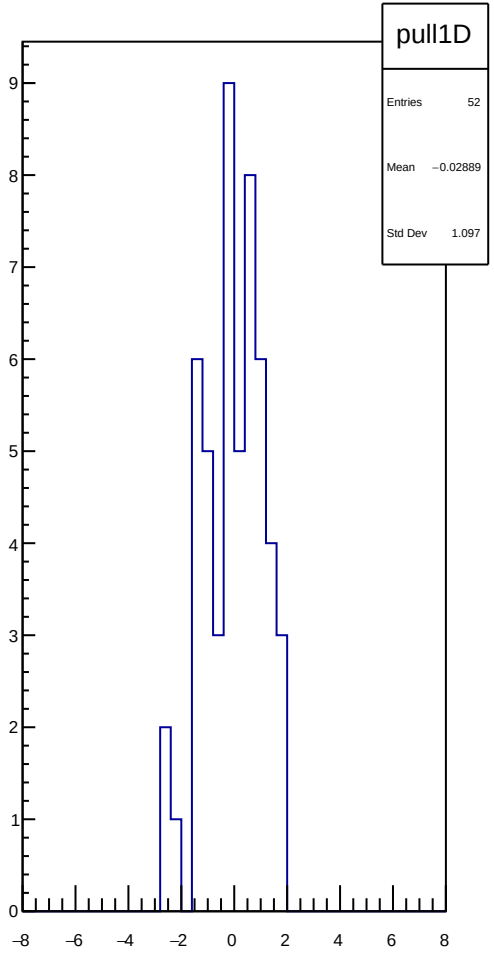
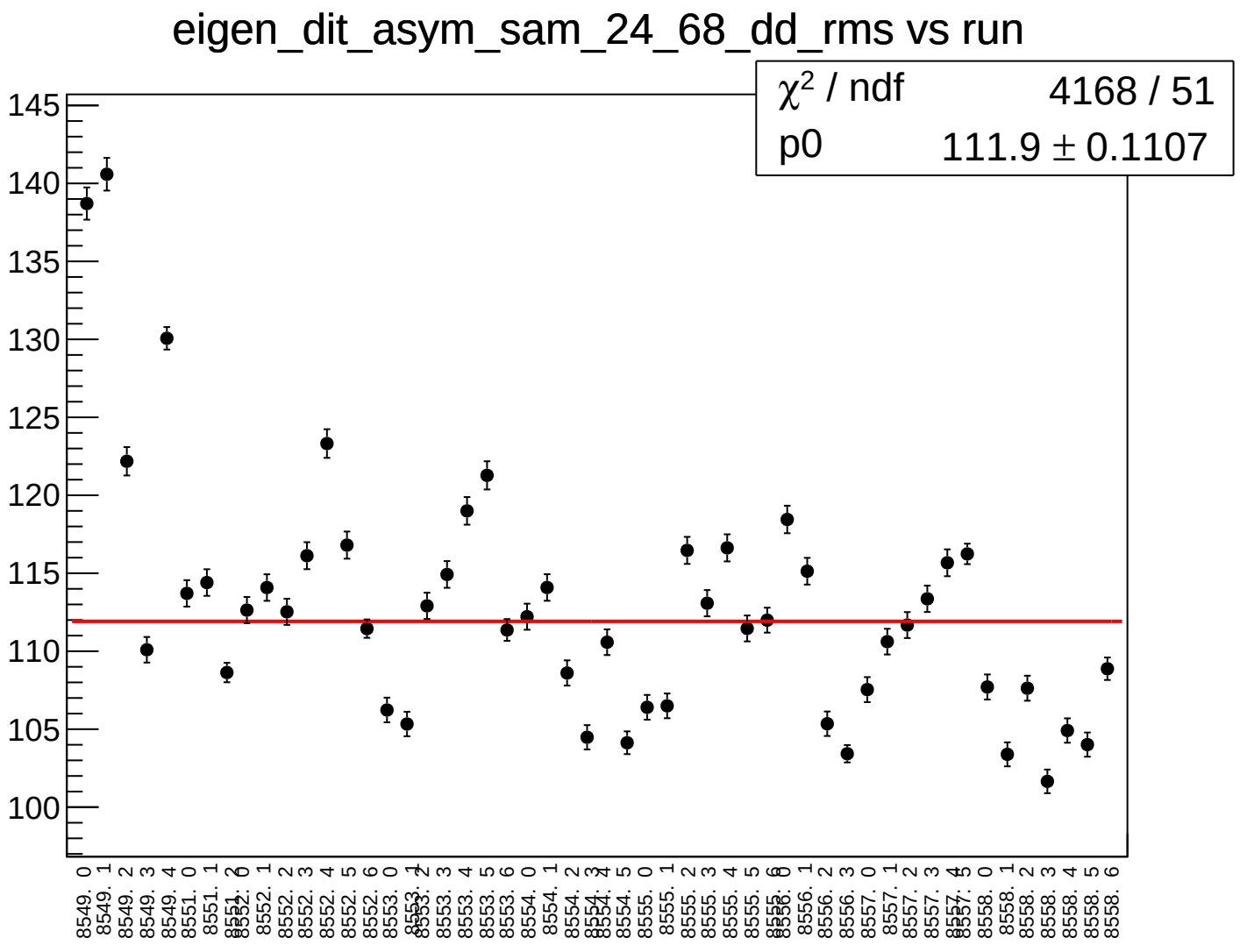
8558. 5
8558. 6


eigen_dit_asym_sam_24_68_dd_mean vs run
χ² / ndf 62.65 / 51
p0 69.5 ± 156.5
pull
Entries 52
Mean 45.65
Std Dev 0


pull1D
Entries 52
Mean −0.02889
Std Dev 1.097


eigen_dit_asym_sam_24_68_dd_rms vs run
χ² / ndf 4168 / 51
p0 111.9 ± 0.1107
145
140
135
130
125
120
115
110
105
100
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 5
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
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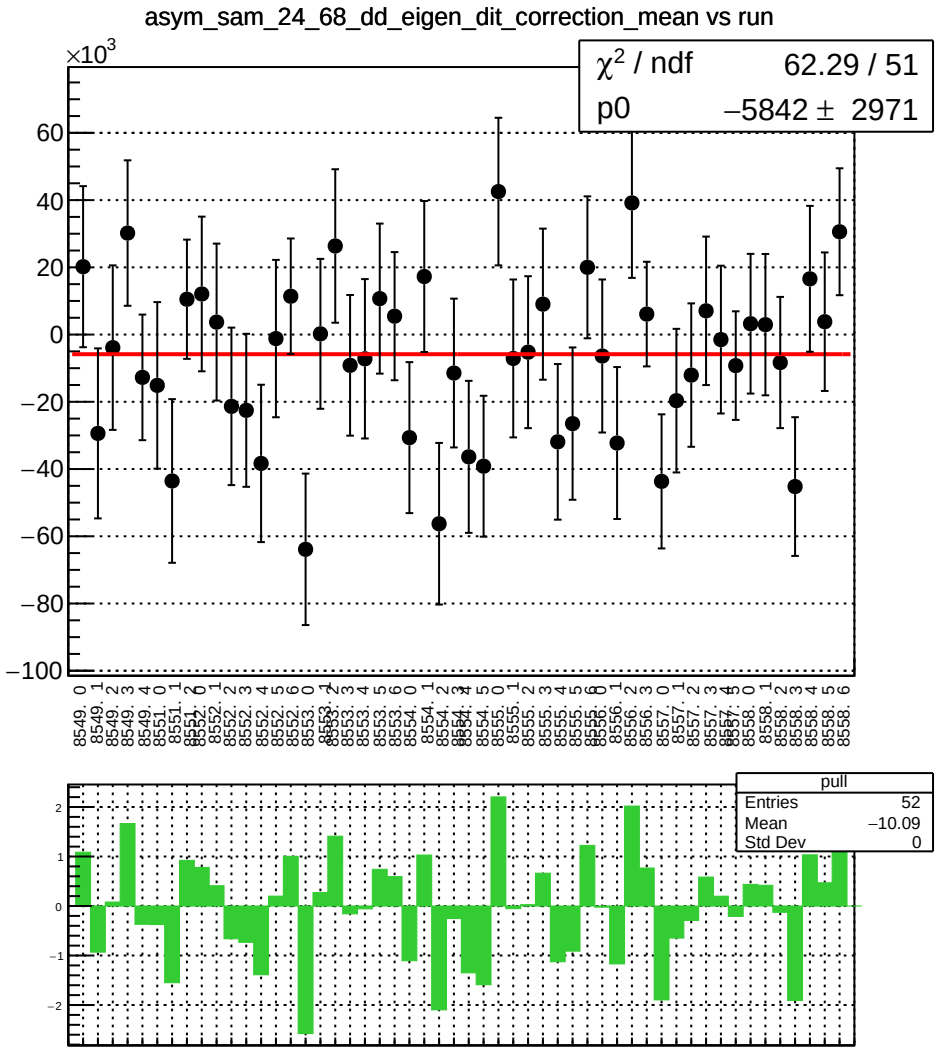
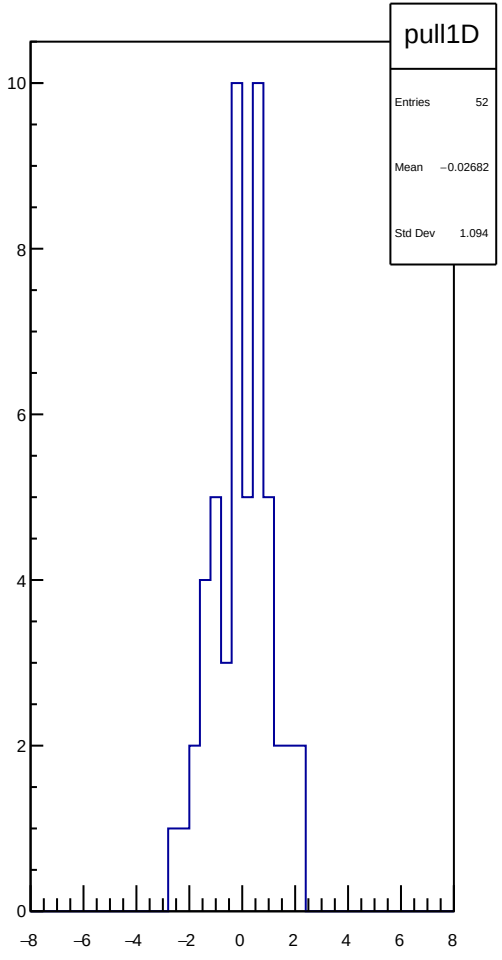
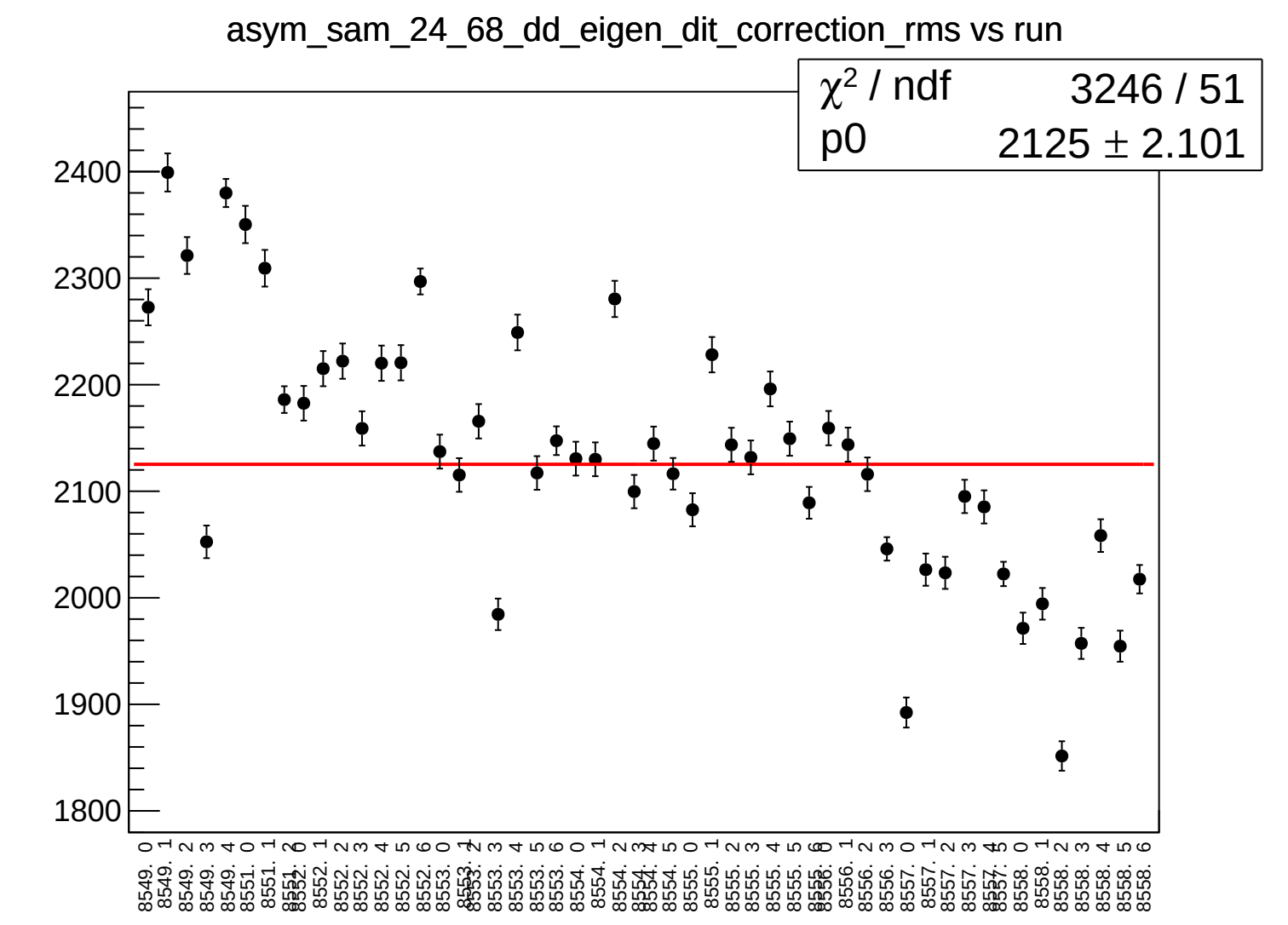
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6


asym_sam_24_68_dd_eigen_dit_correction_mean vs run
×10^3
χ² / ndf 62.29 / 51
p0 −5842 ± 2971
pull
Entries 52
Mean −10.09
Std Dev 0


pull1D
Entries 52
Mean −0.02682
Std Dev 1.094


asym_sam_24_68_dd_eigen_dit_correction_rms vs run
χ² / ndf 3246 / 51
p0 2125 ± 2.101
2400
2300
2200
2100
2000
1900
1800
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
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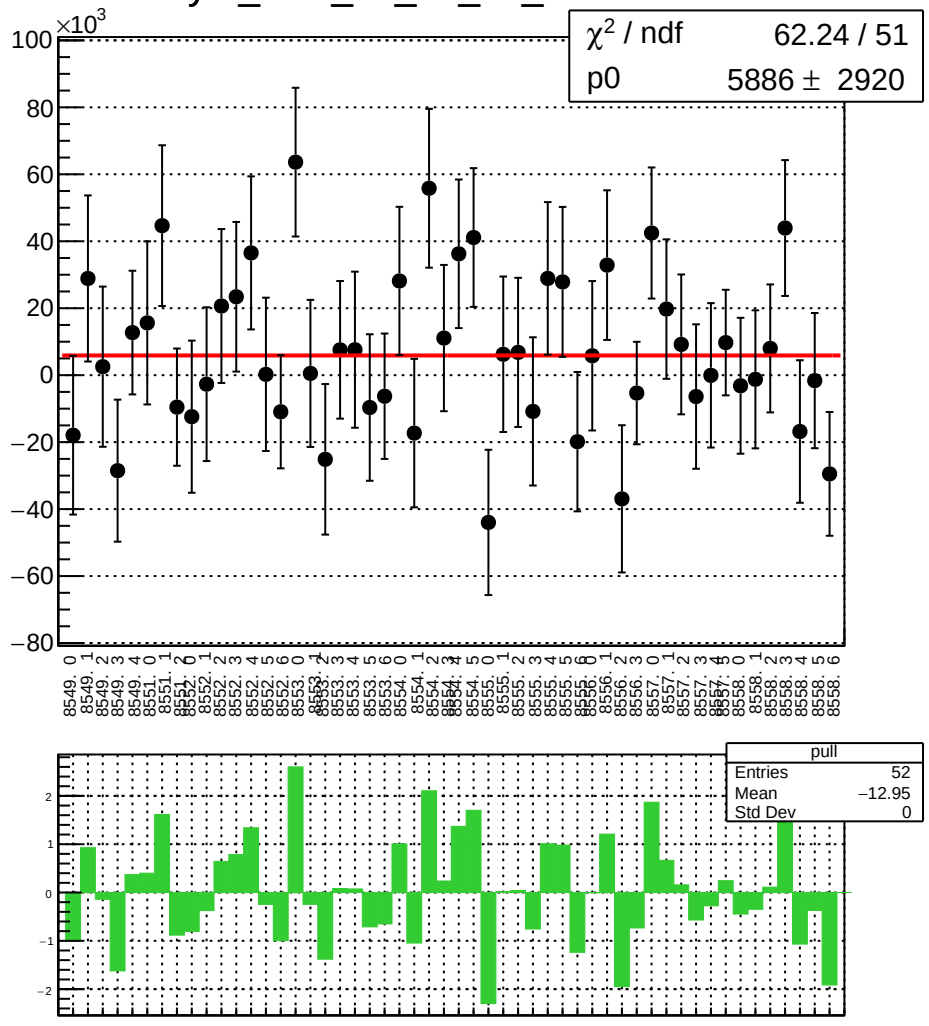
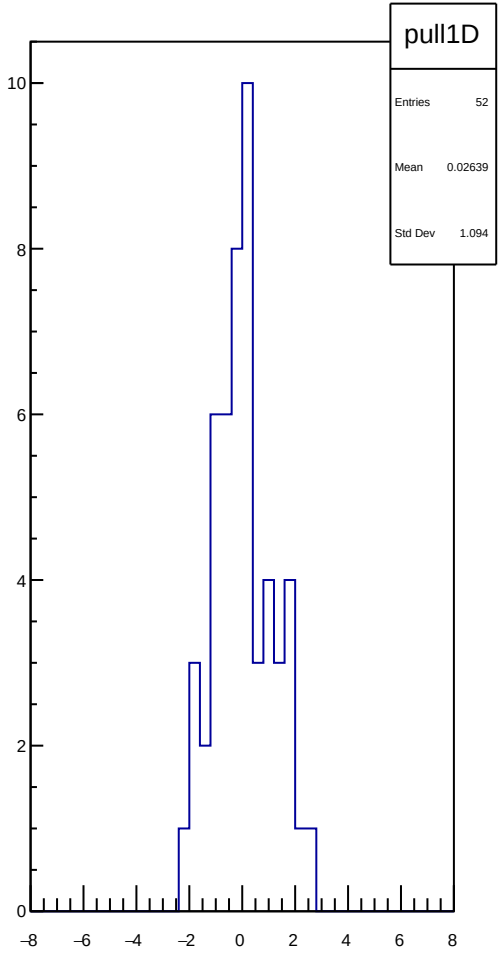
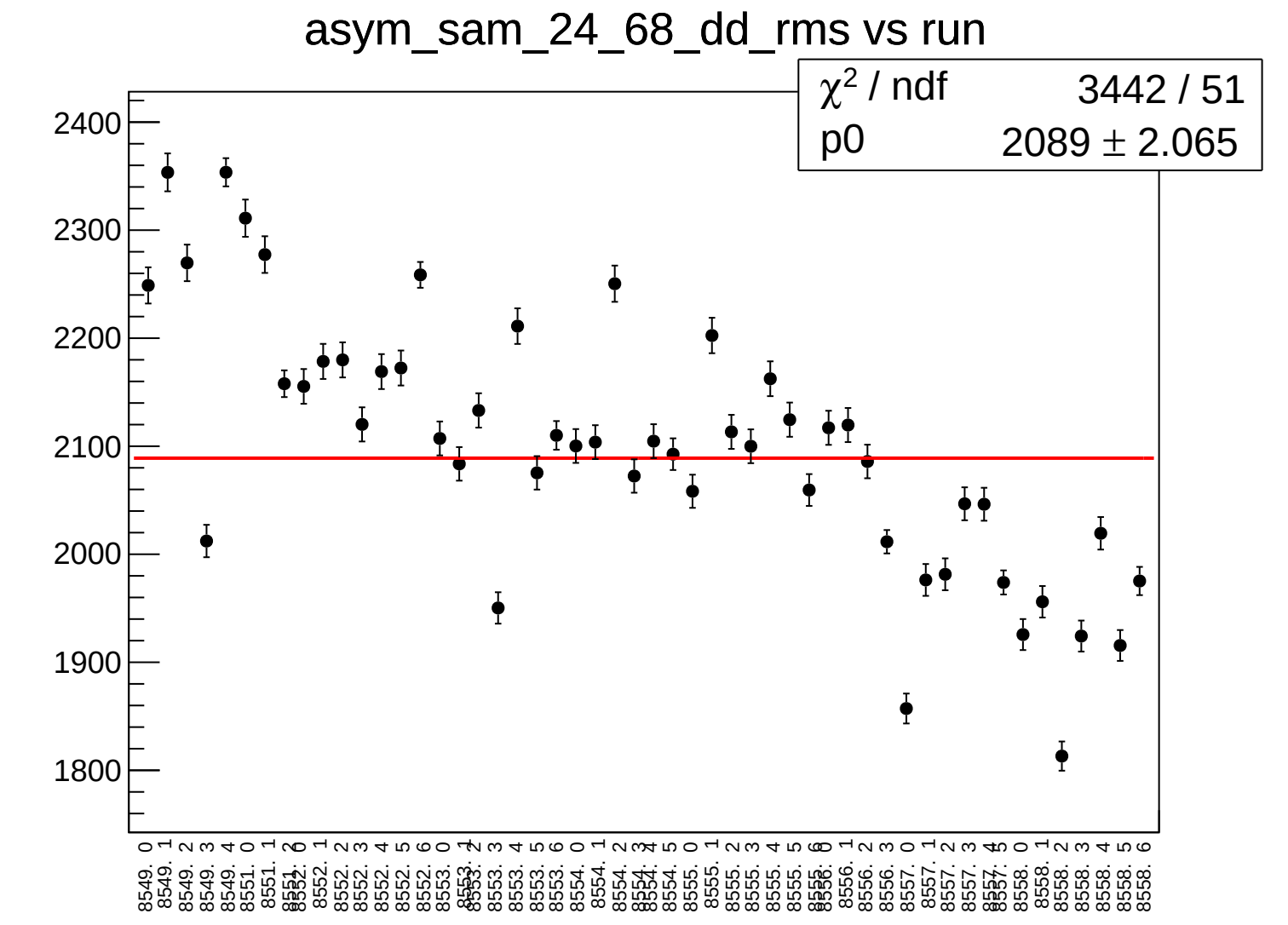
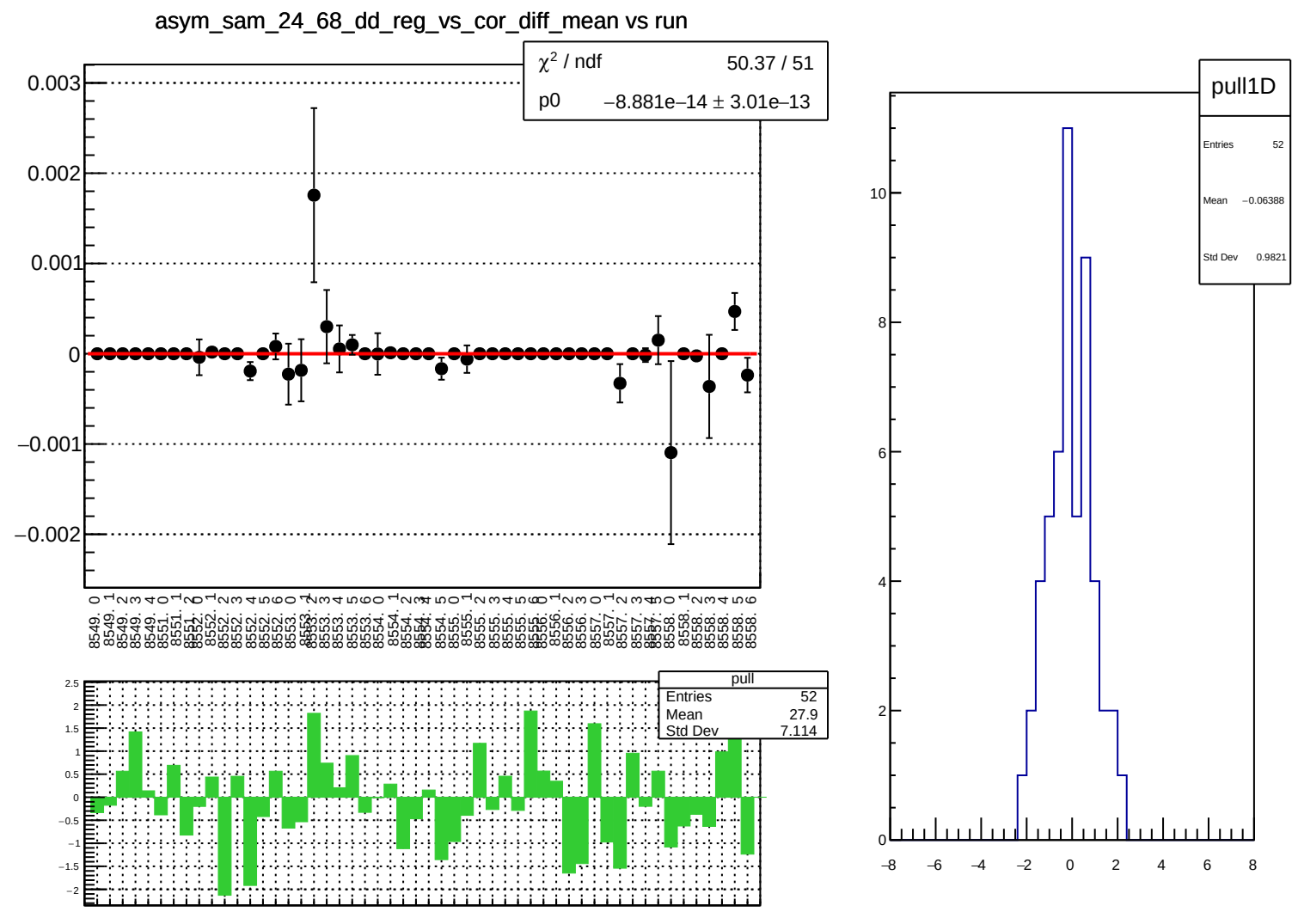
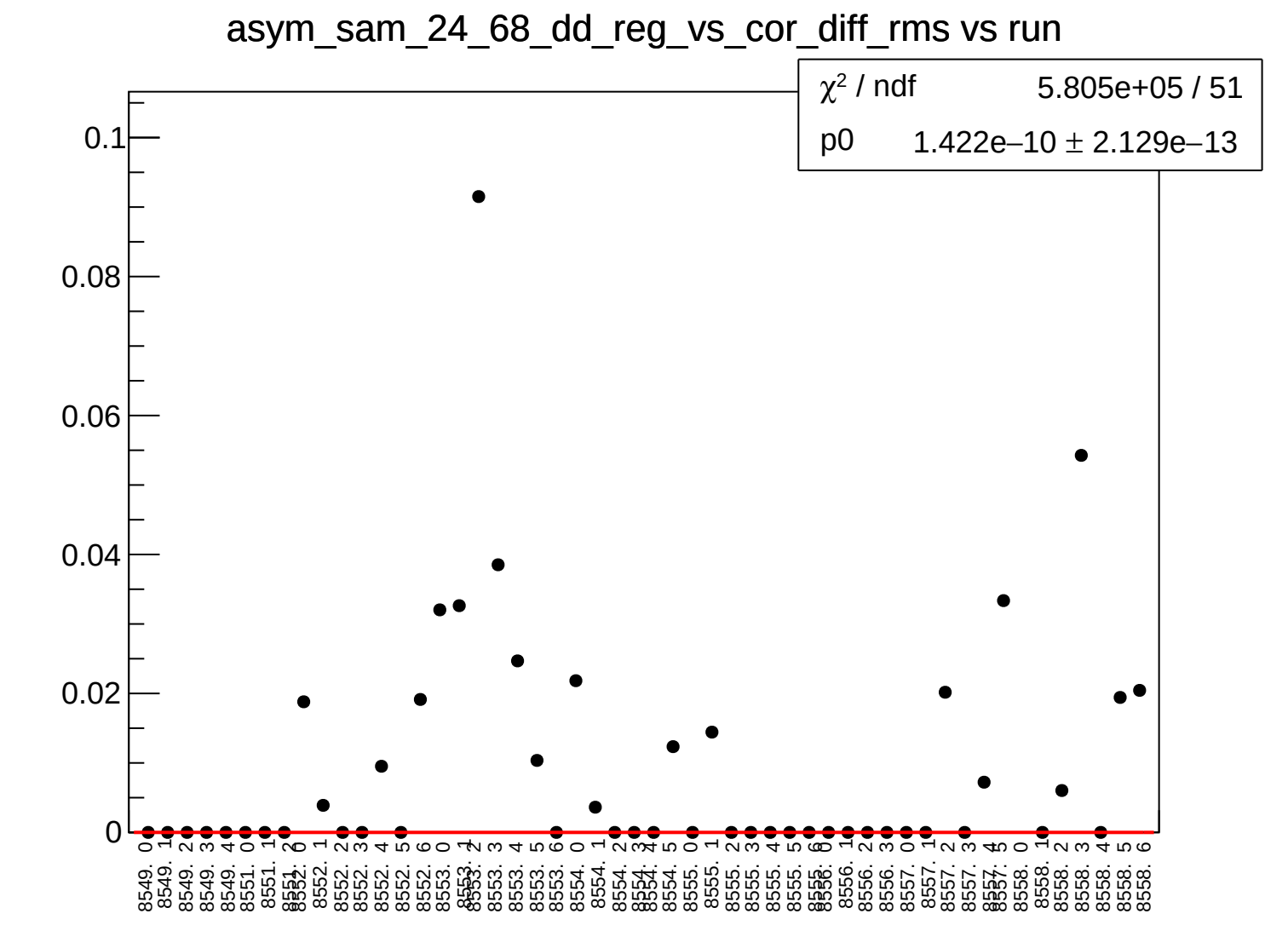
8558. 5
8558. 6


asym_sam_24_68_dd_mean vs run
χ^2 / ndf 62.24 / 51
p0 5886 ± 2920
pull
Entries 52
Mean −12.95
Std Dev 0


pull1D
Entries 52
Mean 0.02639
Std Dev 1.094


asym_sam_24_68_dd_rms vs run
χ² / ndf 3442 / 51
p0 2089 ± 2.065
2400
2300
2200
2100
2000
1900
1800
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6


asym_sam_24_68_dd_reg_vs_cor_diff_mean vs run
χ² / ndf 50.37 / 51
p0 −8.881e−14 ± 3.01e−13
0.003
0.002
0.001
0
−0.001
−0.002
pull
Entries 52
Mean 27.9
Std Dev 7.114
pull1D
Entries 52
Mean −0.06388
Std Dev 0.9821


asym_sam_24_68_dd_reg_vs_cor_diff_rms vs run
χ² / ndf 5.805e+05 / 51
p0 1.422e−10 ± 2.129e−13
0.1
0.08
0.06
0.04
0.02
0
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8549. 5
8551. 0
8551. 1
8551. 2
8552. 0
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 1
8553. 2
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 3
8554. 4
8554. 5
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8555. 6
8556. 0
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
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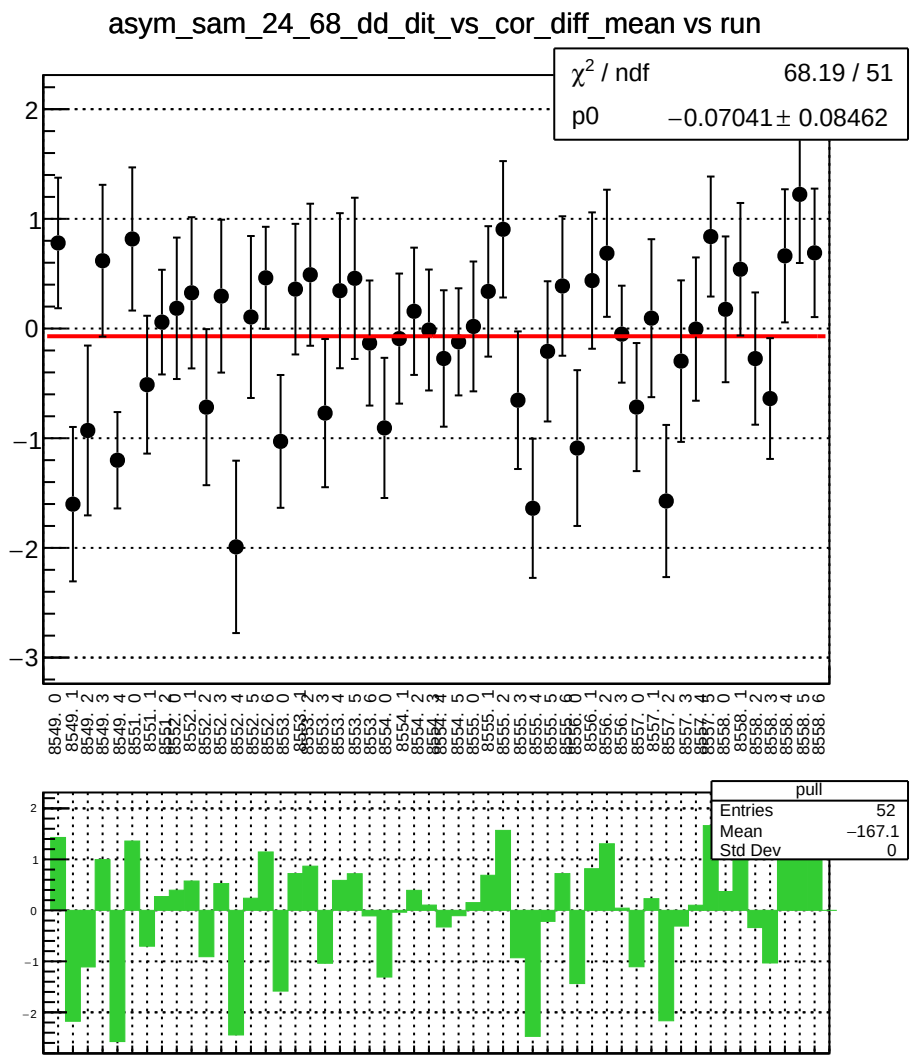
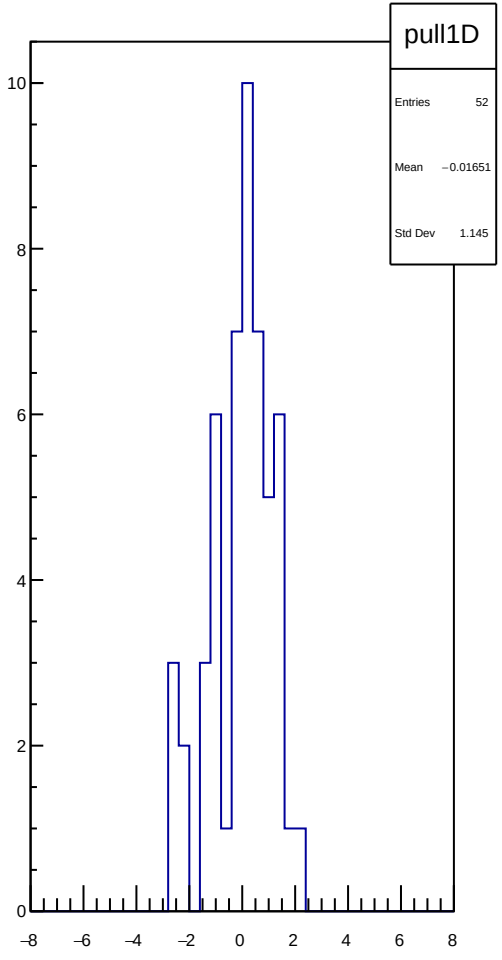
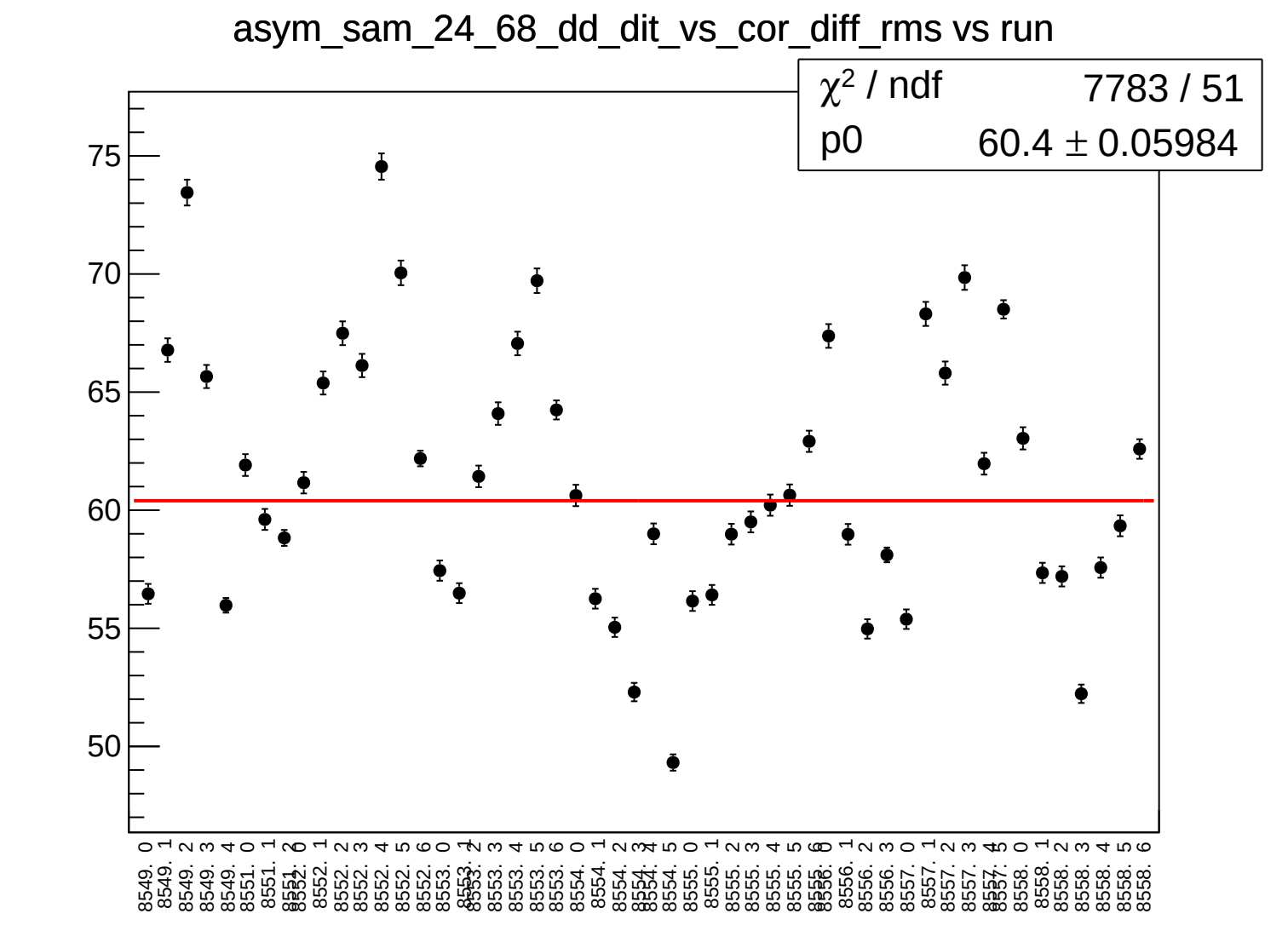
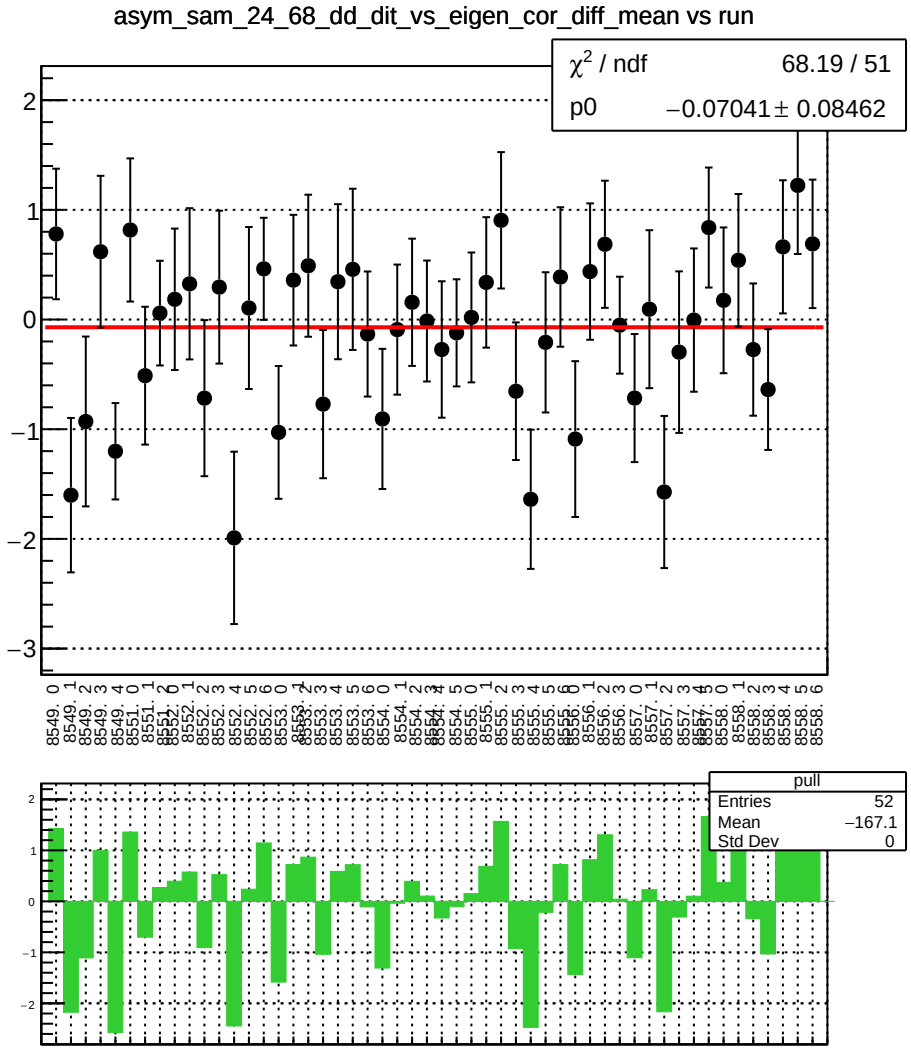
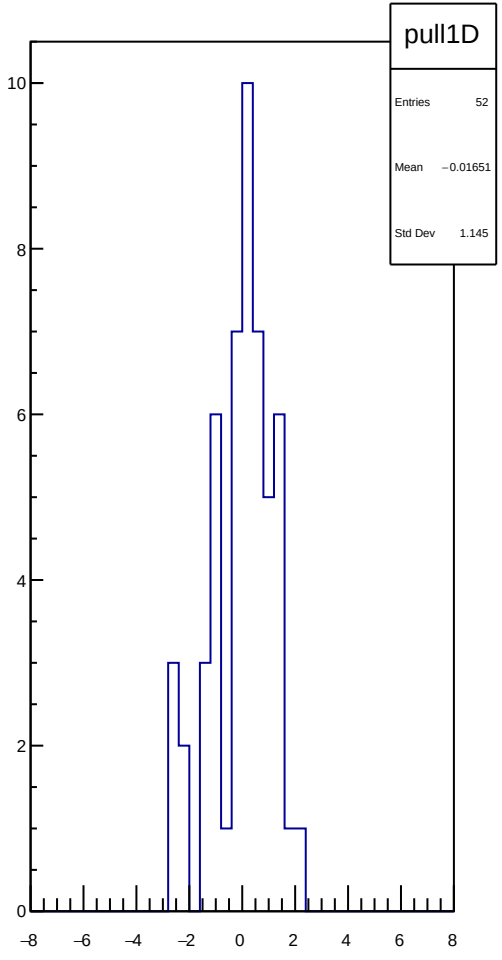
8558. 5
8558. 6

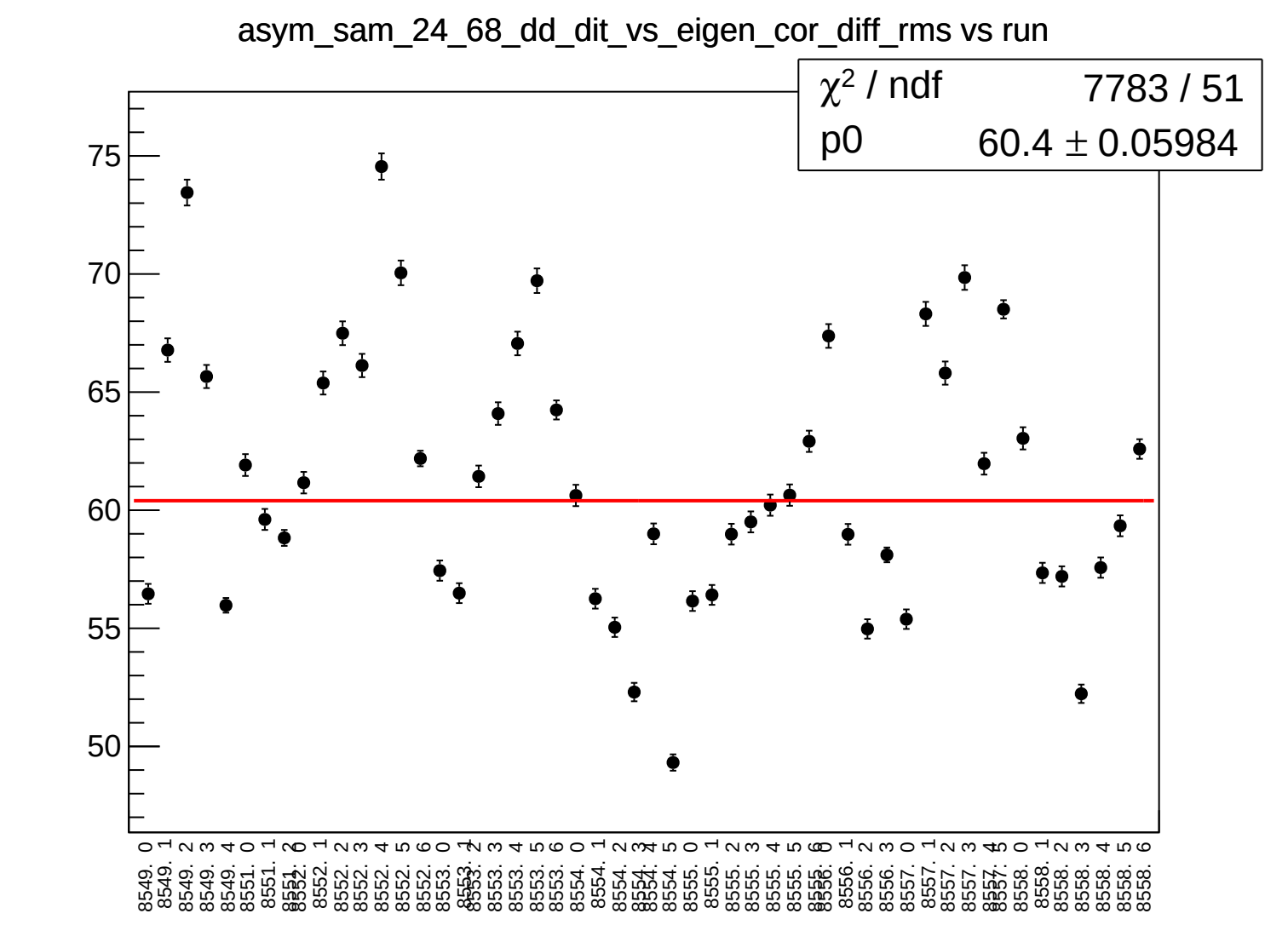

asym_sam_24_68_dd_dit_vs_cor_diff_mean vs run
χ² / ndf 68.19 / 51
p0 −0.07041 ± 0.08462
pull
Entries 52
Mean −167.1
Std Dev 0

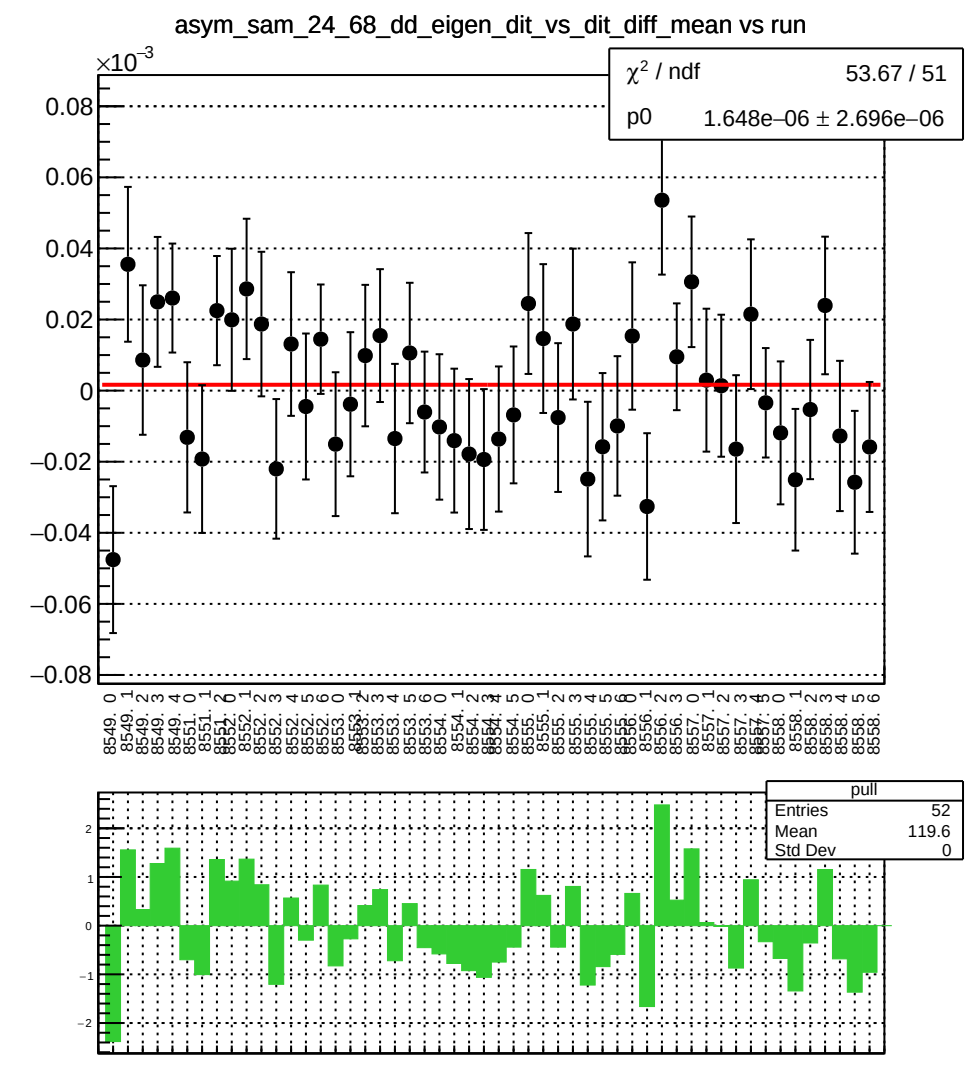

pull1D
Entries 52
Mean −0.01651
Std Dev 1.145

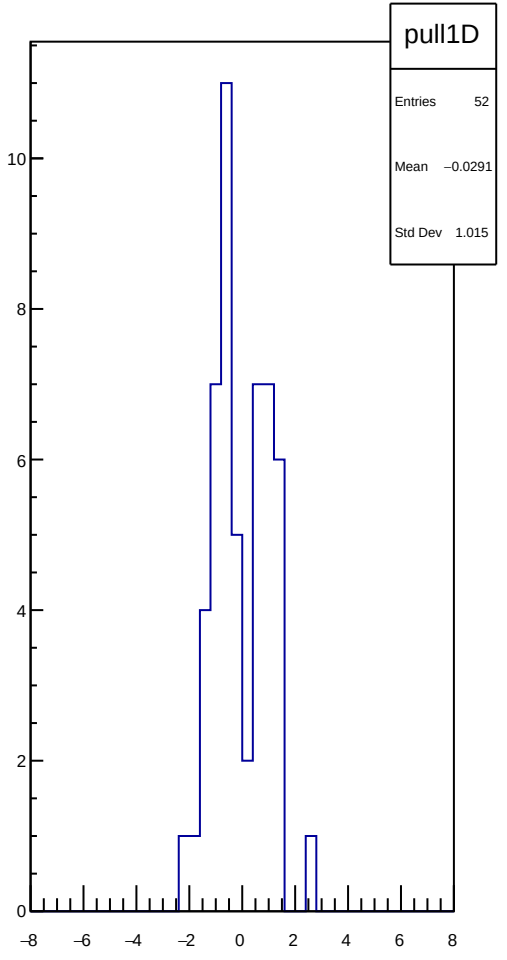

asym_sam_24_68_dd_dit_vs_cor_diff_rms vs run
χ² / ndf 7783 / 51
p0 60.4 ± 0.05984
75
70
65
60
55
50
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

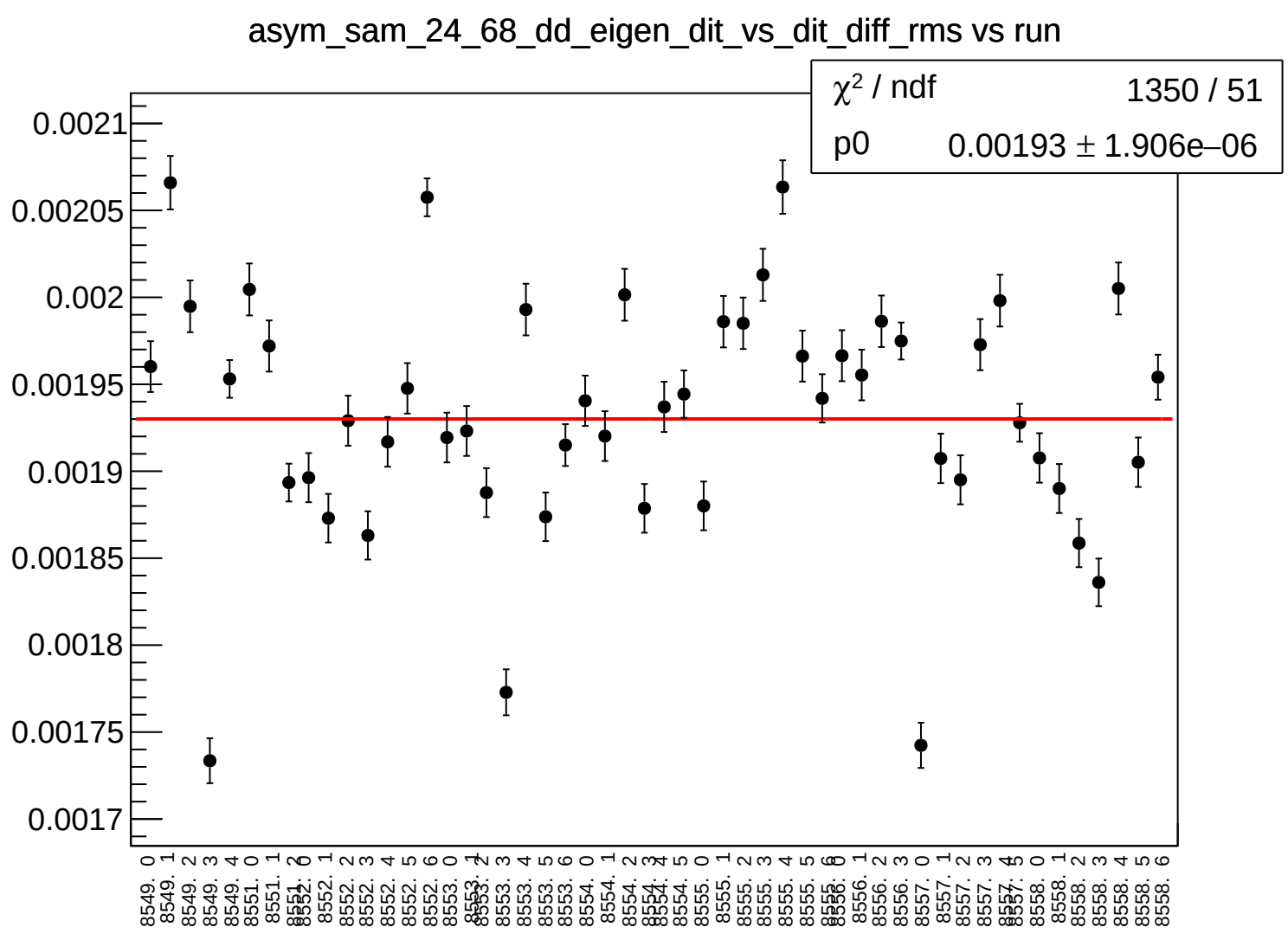

asym_sam_24_68_dd_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 68.19 / 51
p0 −0.07041 ± 0.08462
pull
Entries 52
Mean −167.1
Std Dev 0

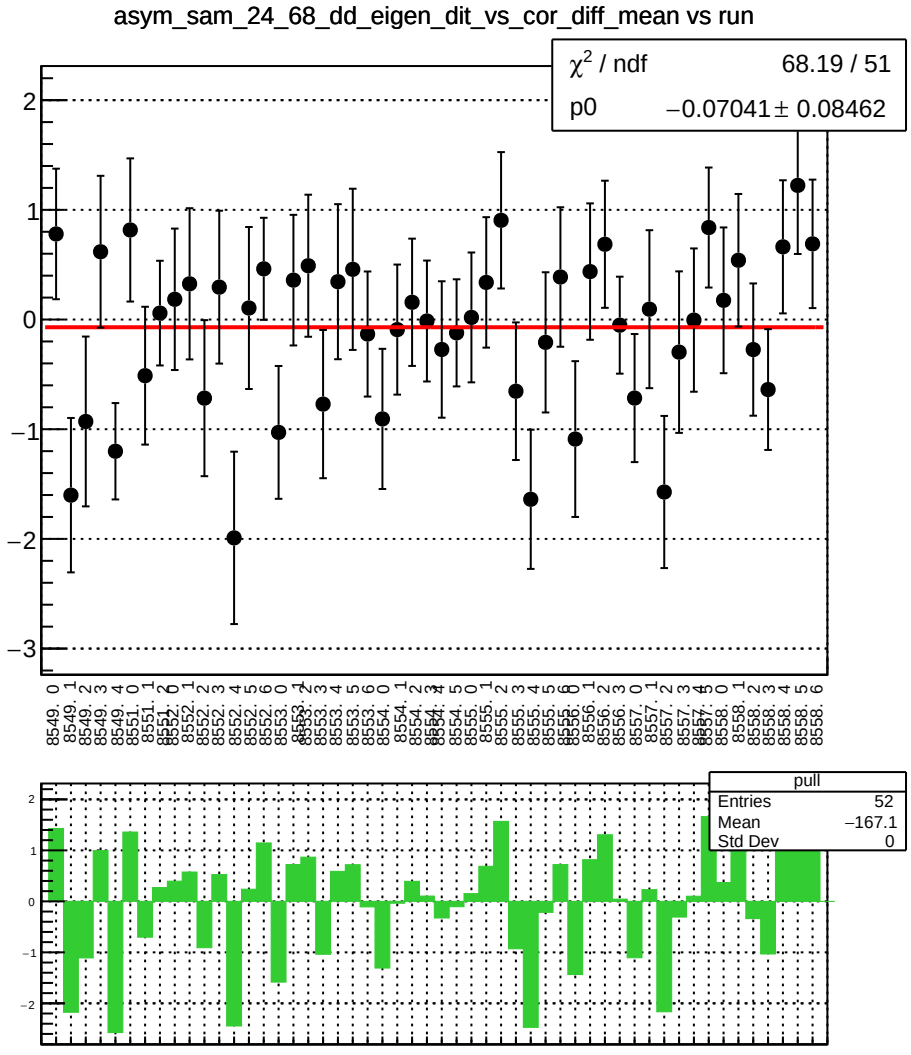

pull1D
Entries 52
Mean −0.01651
Std Dev 1.145

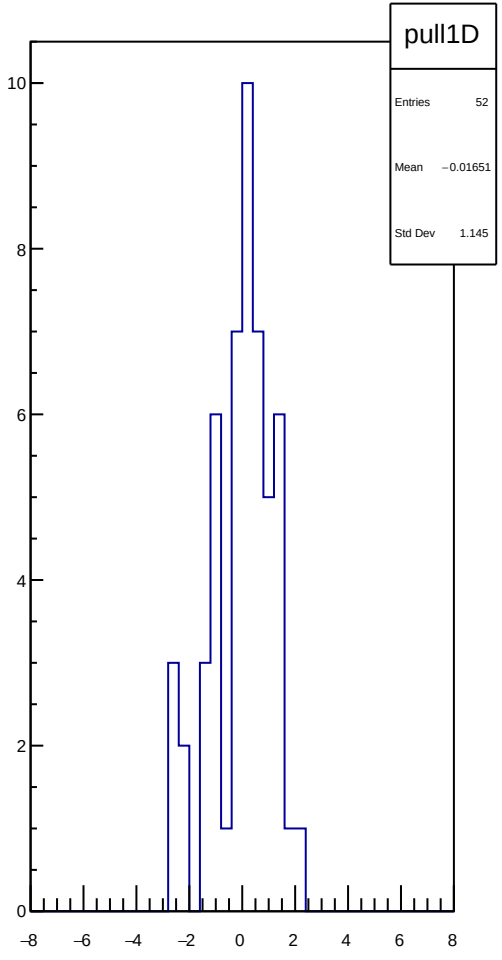

asym_sam_24_68_dd_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 7783 / 51
p0 60.4 ± 0.05984
75
70
65
60
55
50
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

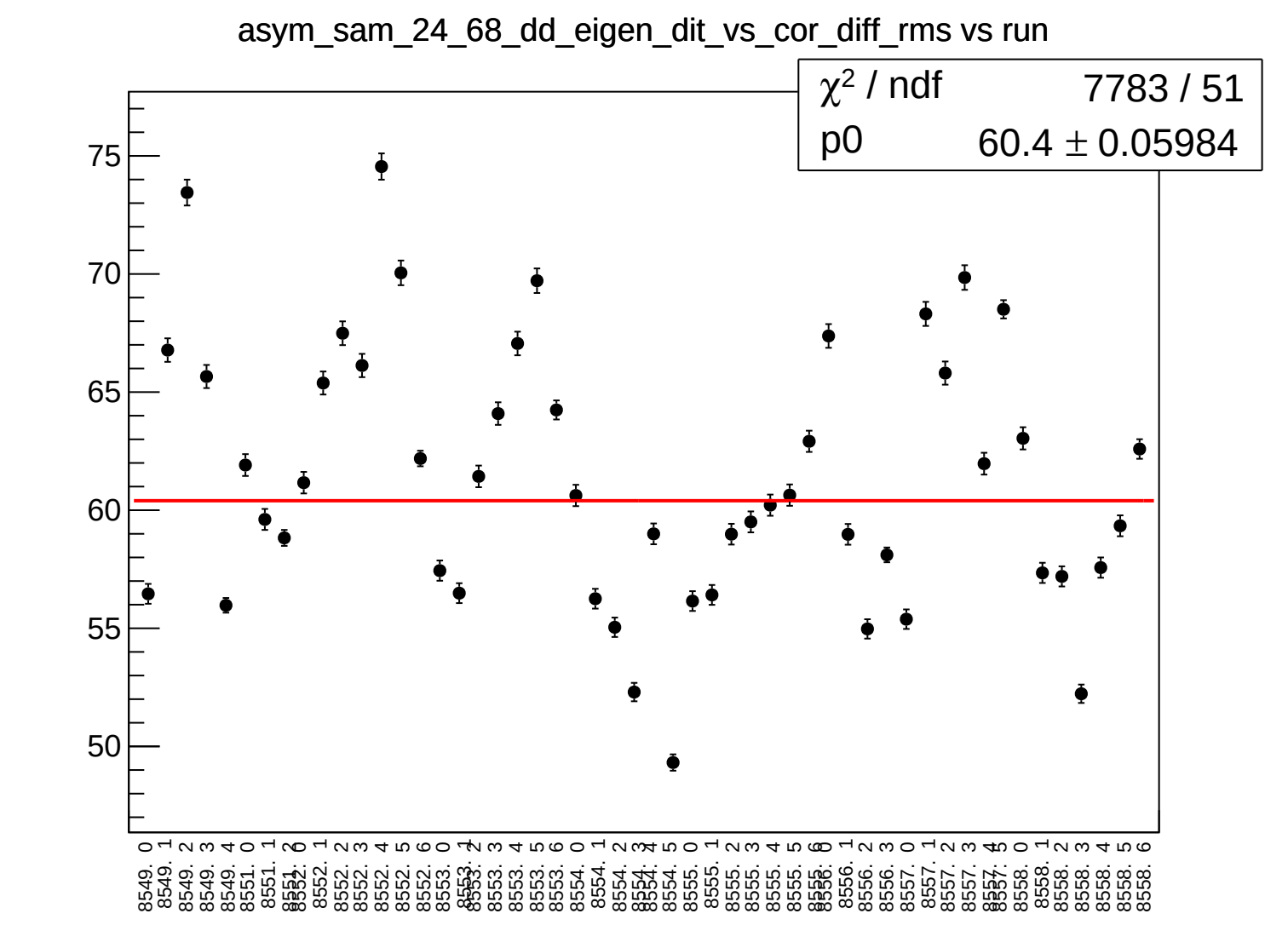

asym_sam_24_68_dd_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 53.67 / 51
p0 1.648e−06 ± 2.696e−06
pull
Entries 52
Mean 119.6
Std Dev 0

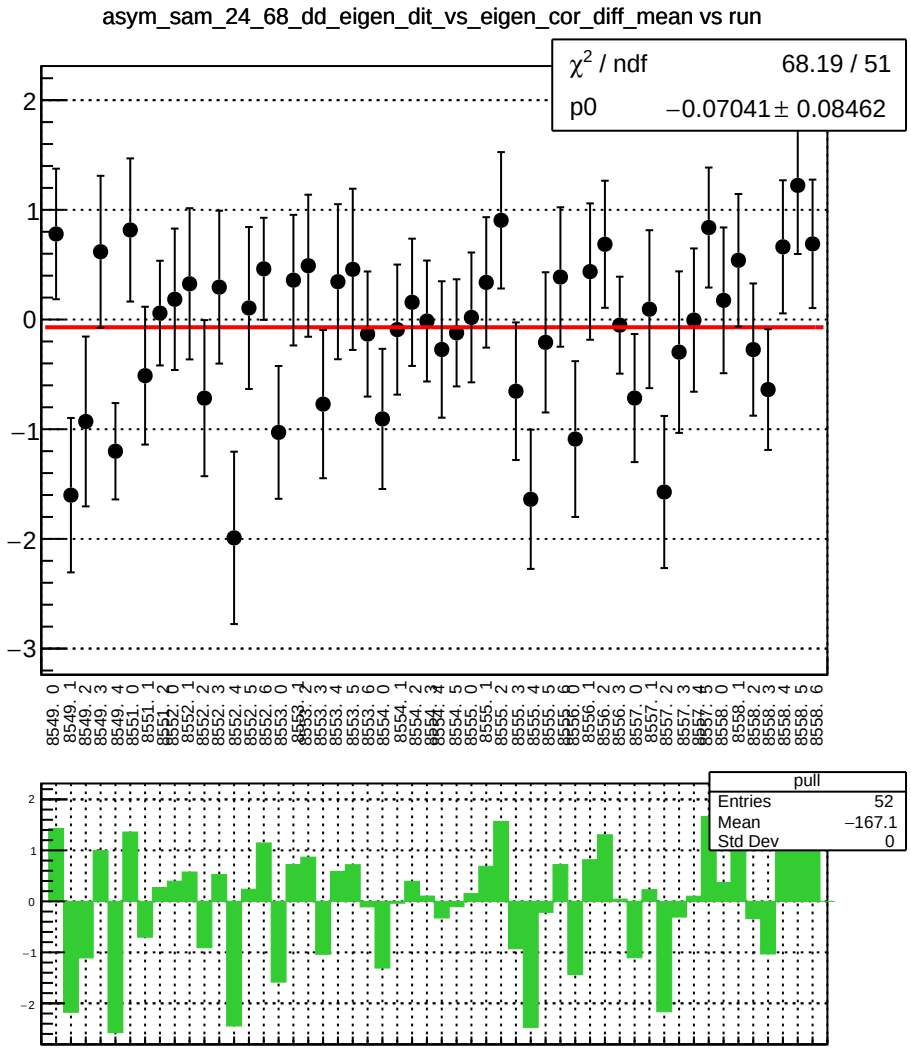

pull1D
Entries 52
Mean −0.0291
Std Dev 1.015

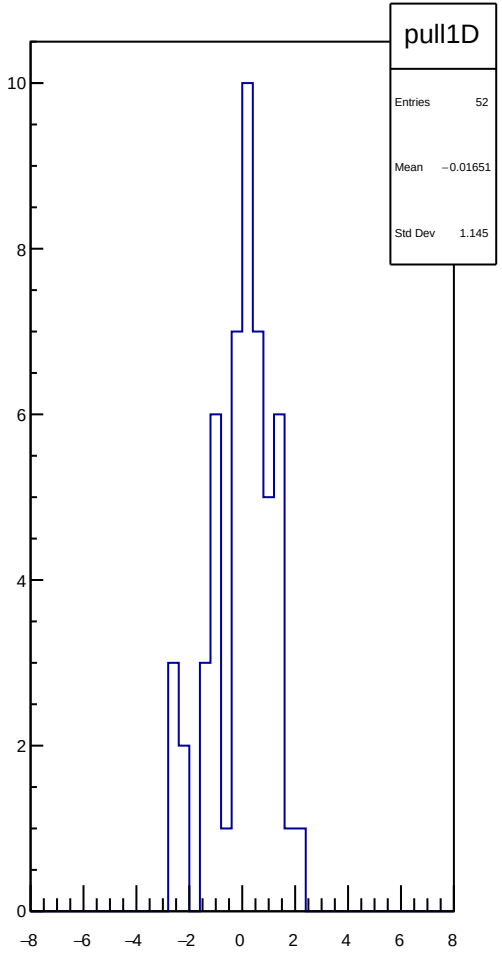

asym_sam_24_68_dd_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 1350 / 51
p0 0.00193 ± 1.906e–06
0.0021
0.00205
0.002
0.00195
0.0019
0.00185
0.0018
0.00175
0.0017
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 5
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

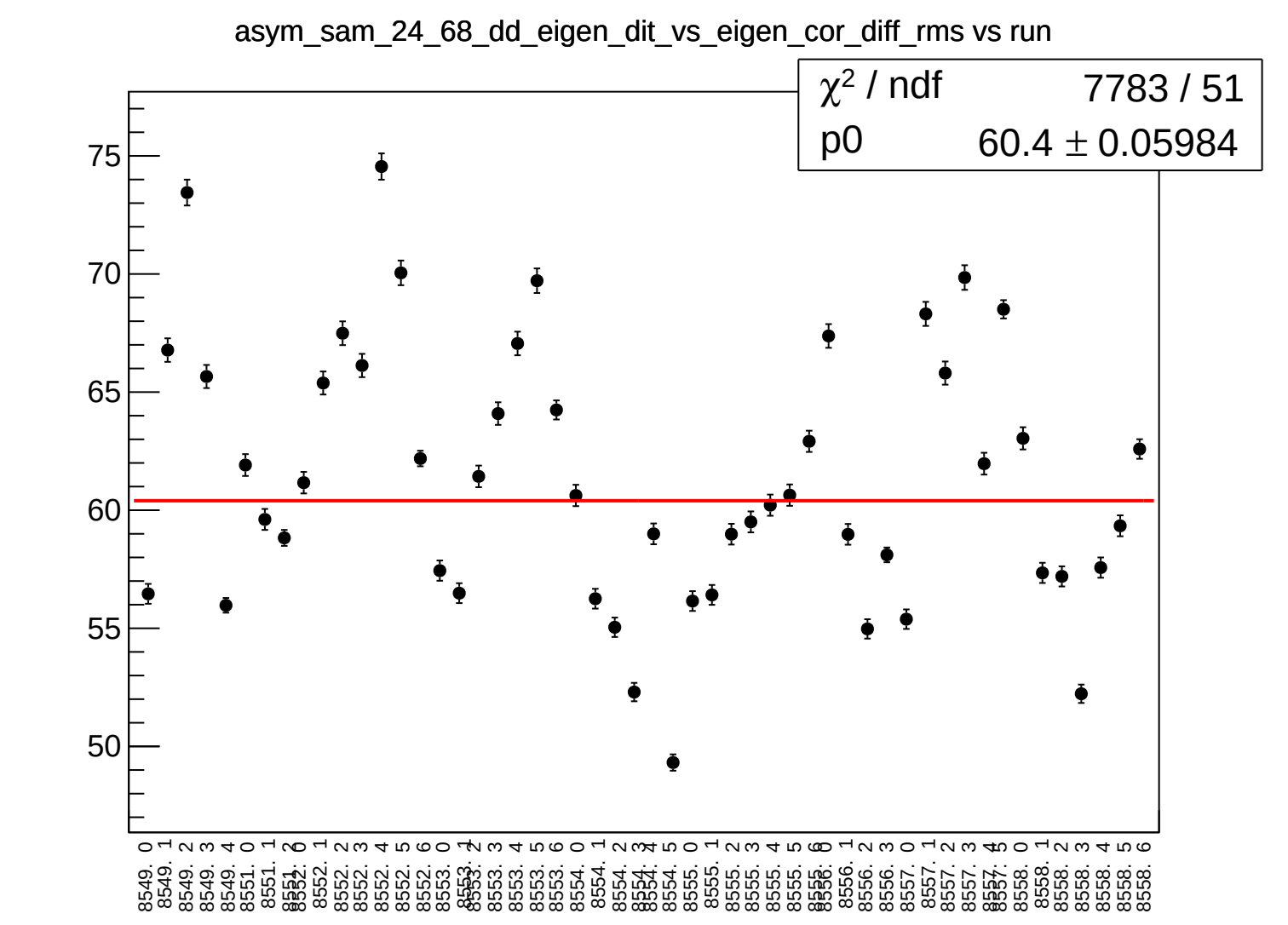

asym_sam_24_68_dd_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 68.19 / 51
p0 −0.07041 ± 0.08462
pull
Entries 52
Mean −167.1
Std Dev 0


pull1D
Entries 52
Mean −0.01651
Std Dev 1.145


asym_sam_24_68_dd_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 7783 / 51
p0 60.4 ± 0.05984
75
70
65
60
55
50
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6


asym_sam_24_68_dd_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 68.19 / 51
p0 −0.07041 ± 0.08462
pull
Entries 52
Mean −167.1
Std Dev 0


pull1D
Entries 52
Mean −0.01651
Std Dev 1.145


asym_sam_24_68_dd_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 7783 / 51
p0 60.4 ± 0.05984
75
70
65
60
55
50
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
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8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
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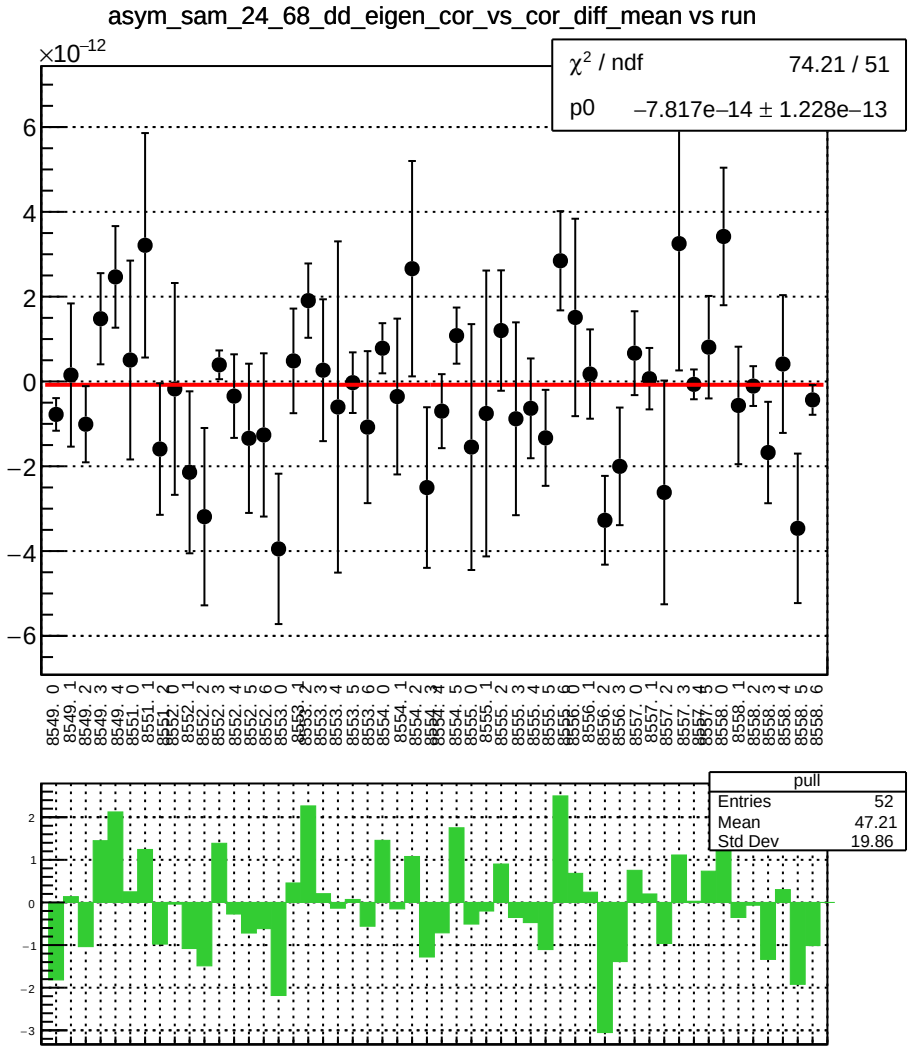
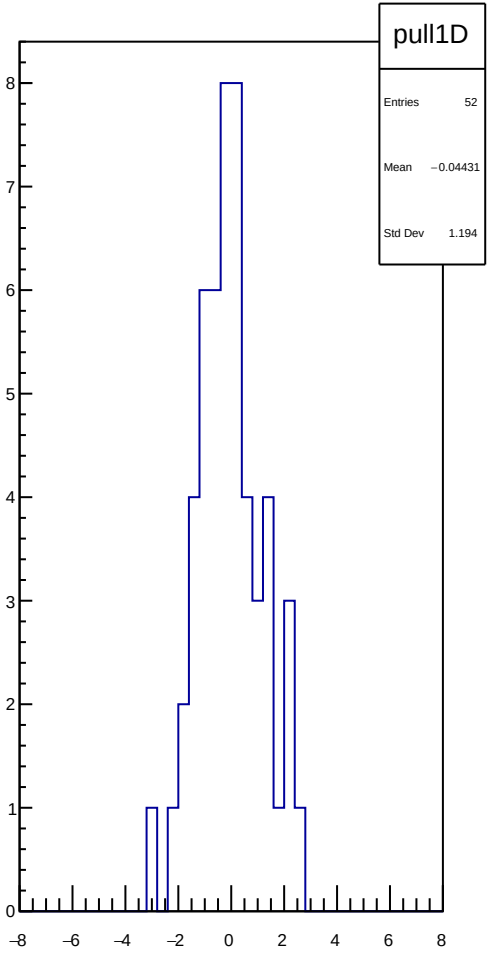
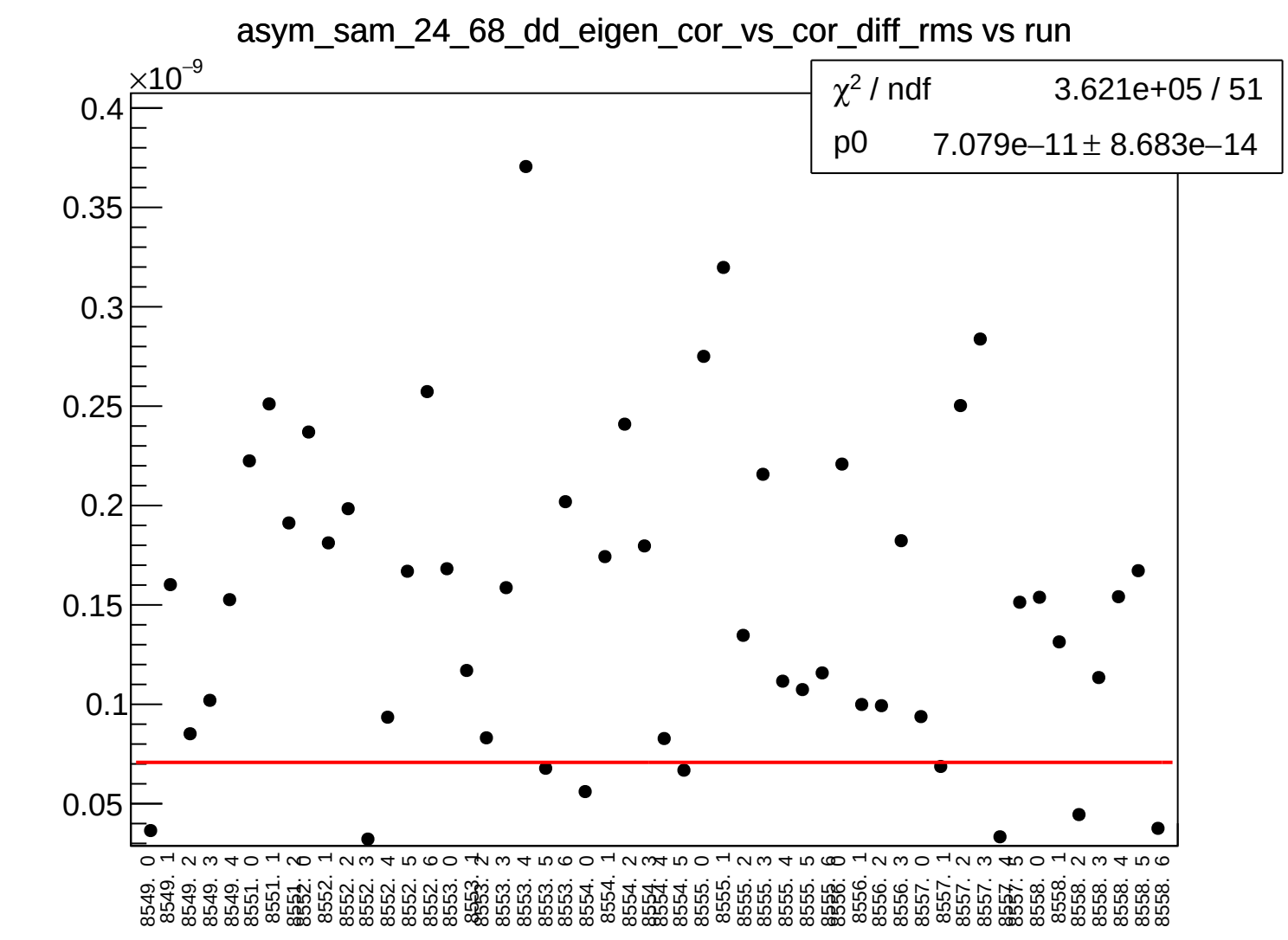
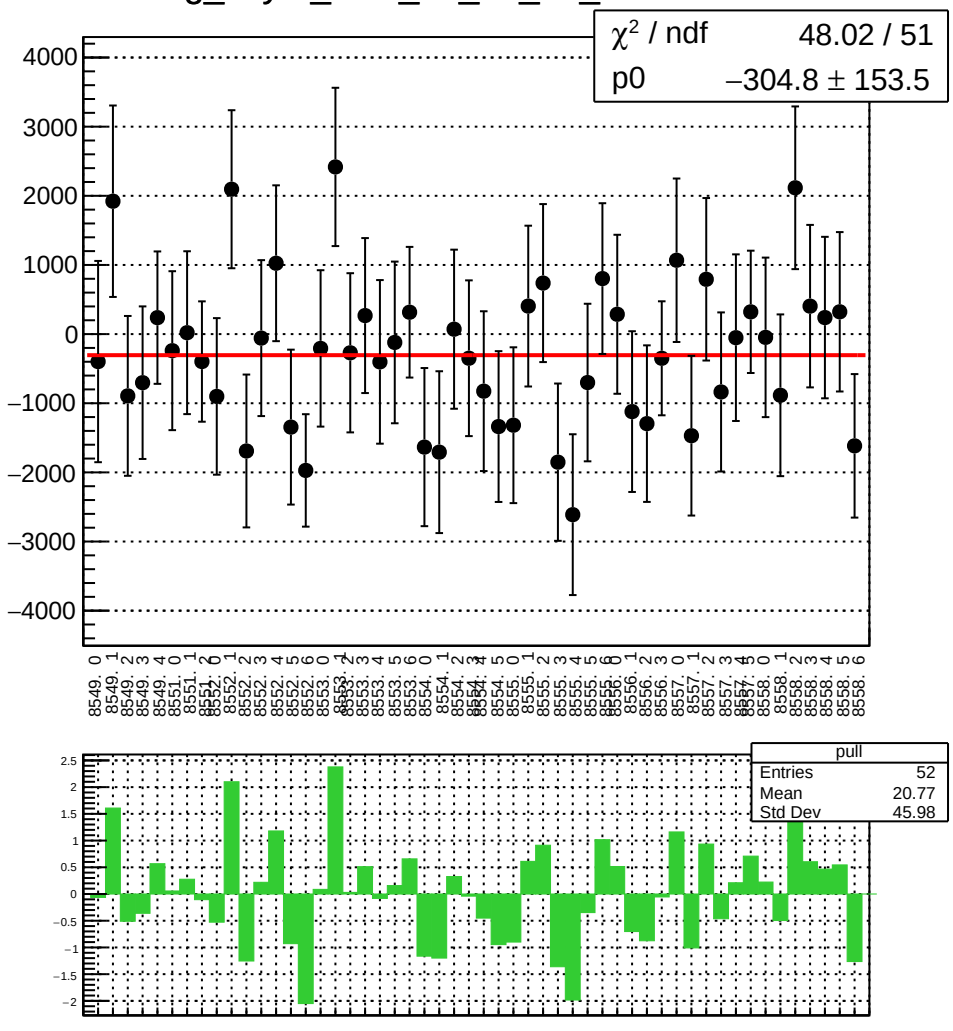
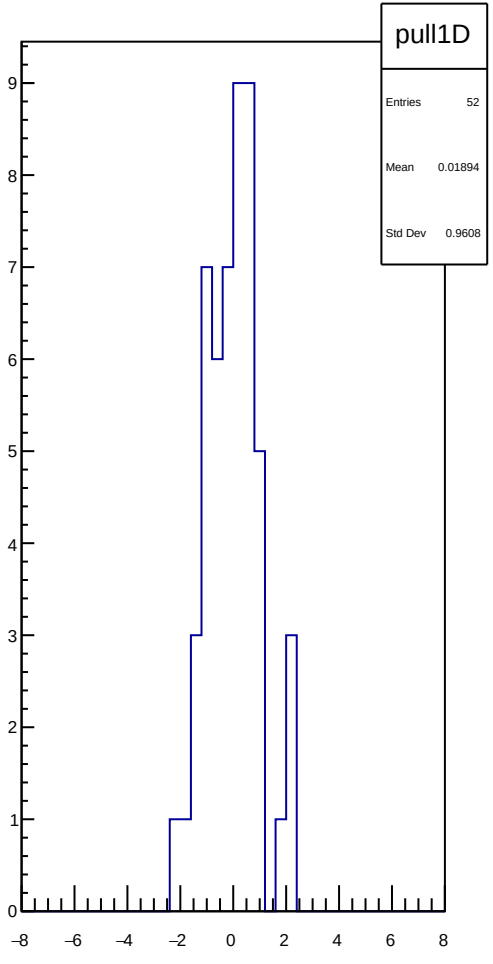
8558. 5
8558. 6

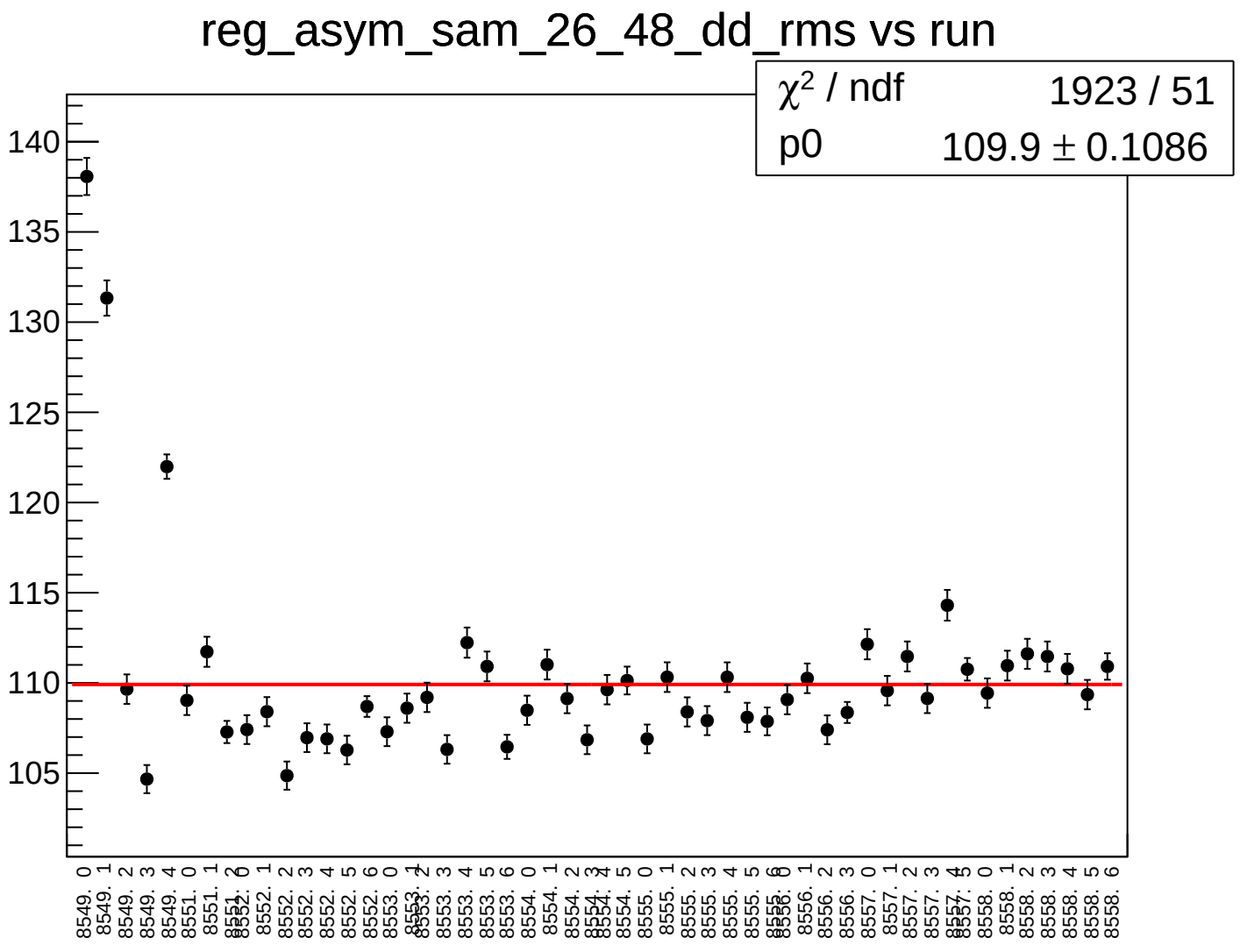

asym_sam_24_68_dd_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 74.21 / 51
p0 −7.817e−14 ± 1.228e−13
pull
Entries 52
Mean 47.21
Std Dev 19.86

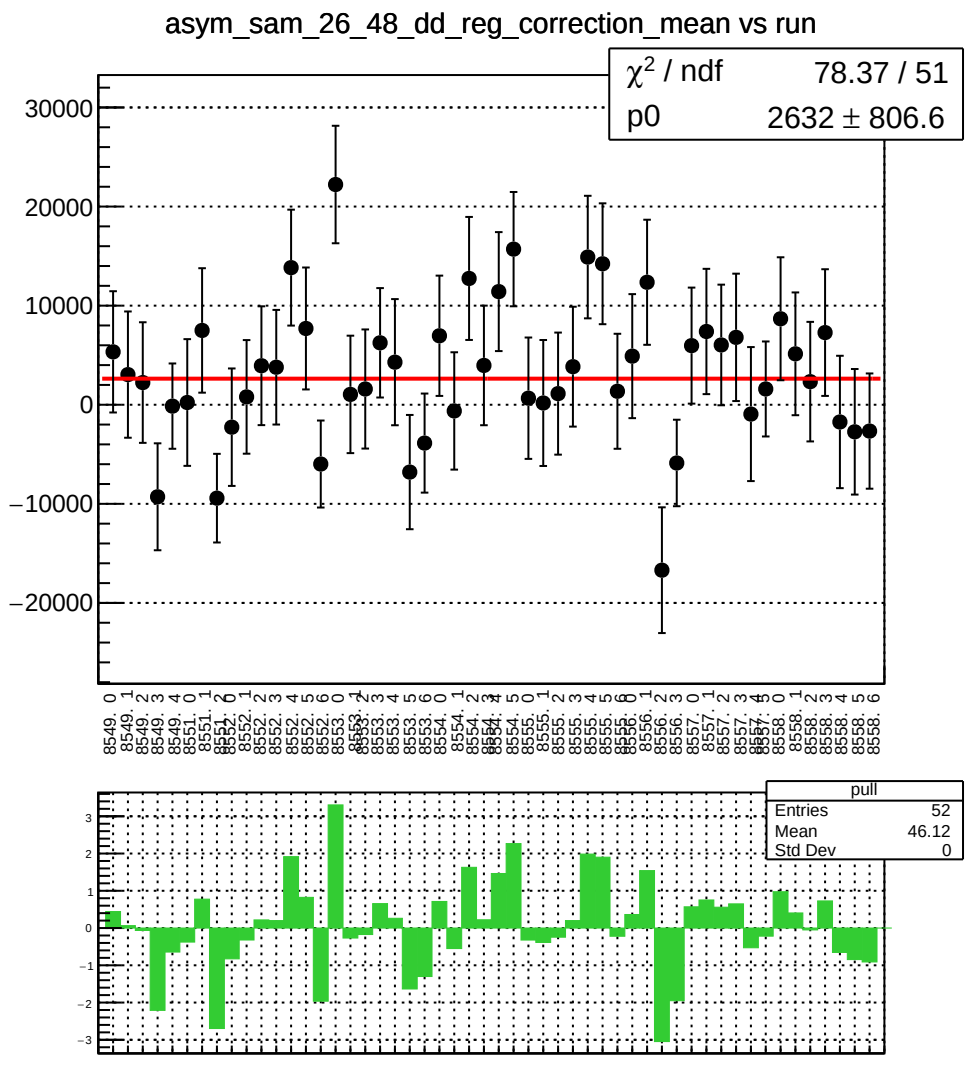

pull1D
Entries 52
Mean −0.04431
Std Dev 1.194

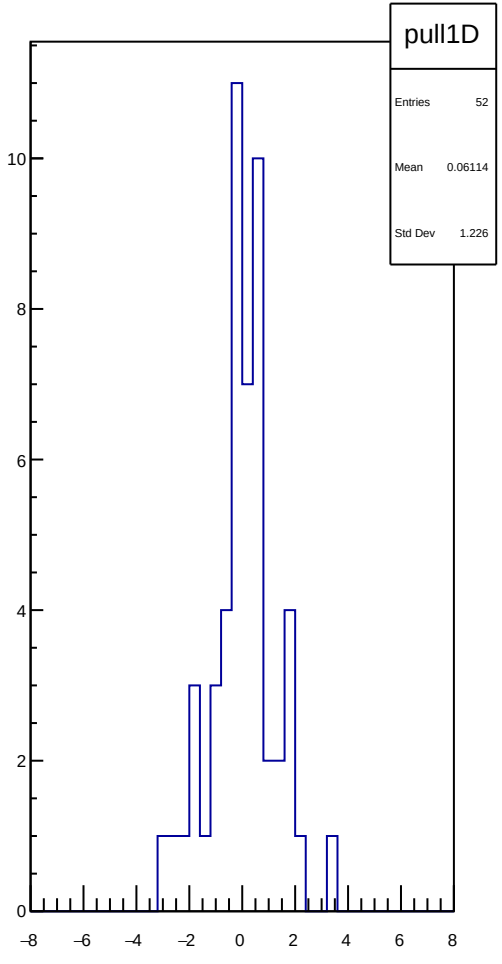

asym_sam_24_68_dd_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 3.621e+05 / 51
p0 7.079e−11 ± 8.683e−14
0.4
0.35
0.3
0.25
0.2
0.15
0.1
0.05
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

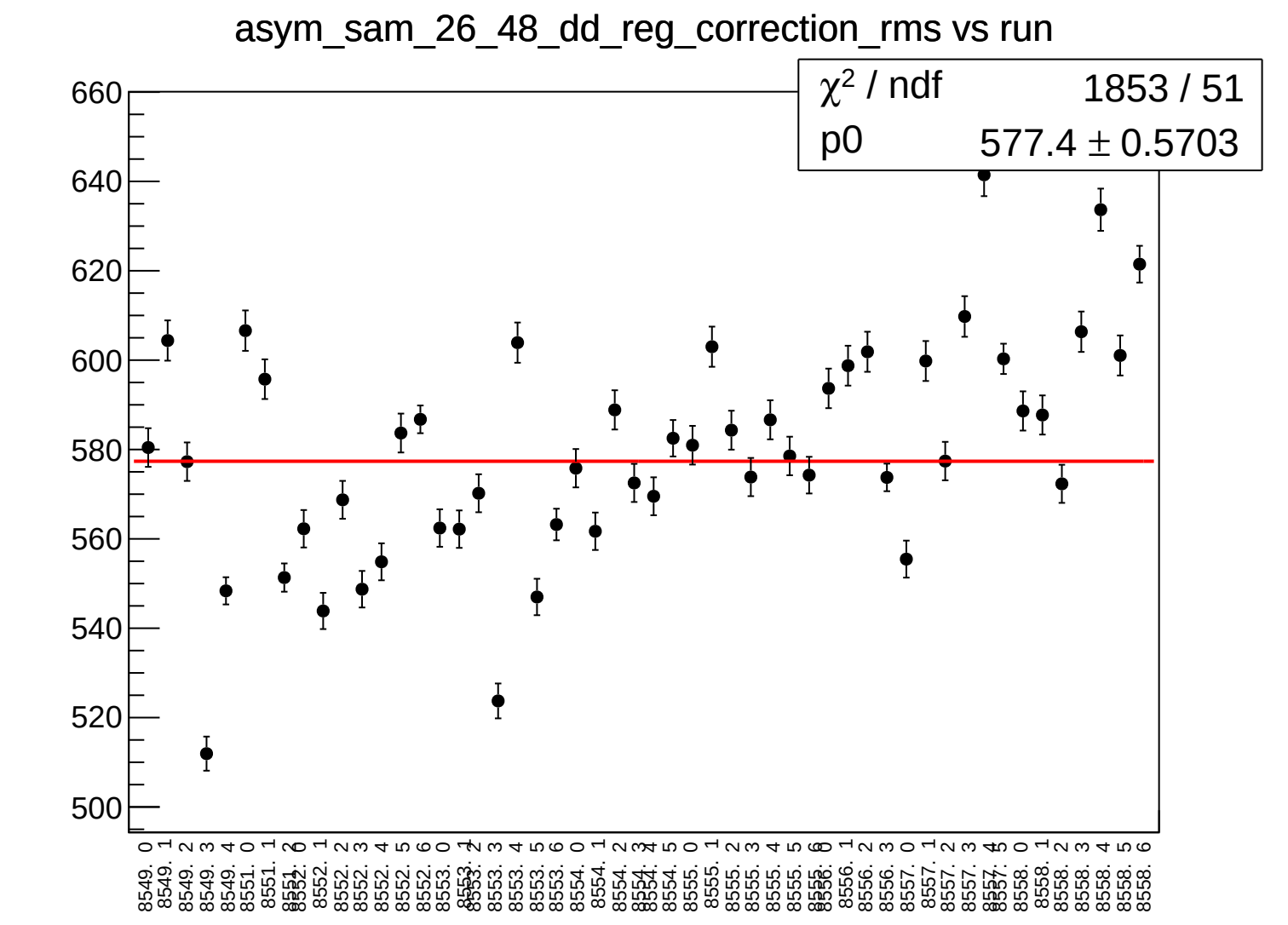

reg_asym_sam_26_48_dd_mean vs run
χ² / ndf 48.02 / 51
p0 −304.8 ± 153.5
pull
Entries 52
Mean 20.77
Std Dev 45.98

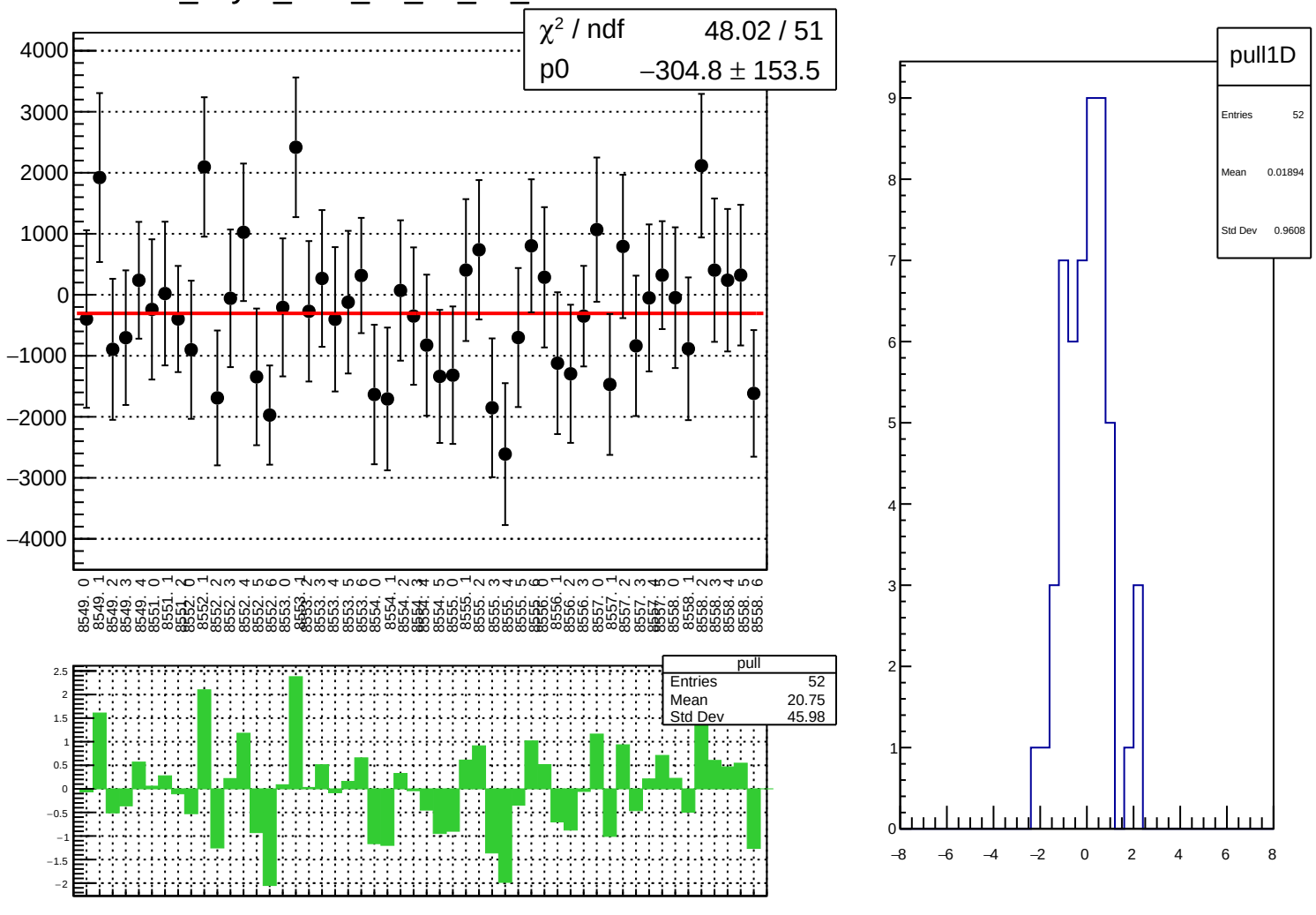

pull1D
Entries 52
Mean 0.01894
Std Dev 0.9608

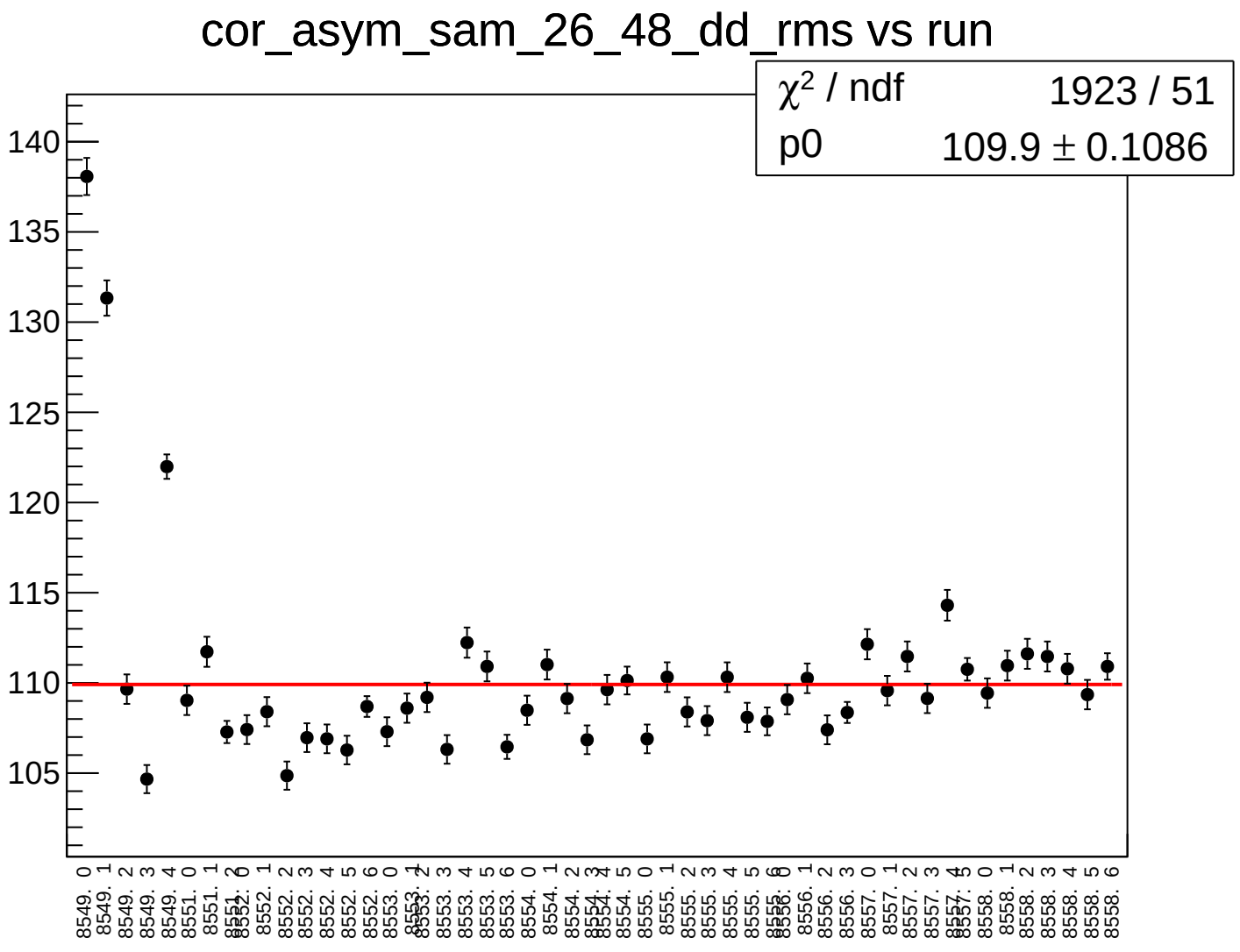

reg_asym_sam_26_48_dd_rms vs run
χ² / ndf 1923 / 51
p0 109.9 ± 0.1086
140
135
130
125
120
115
110
105
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 5
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

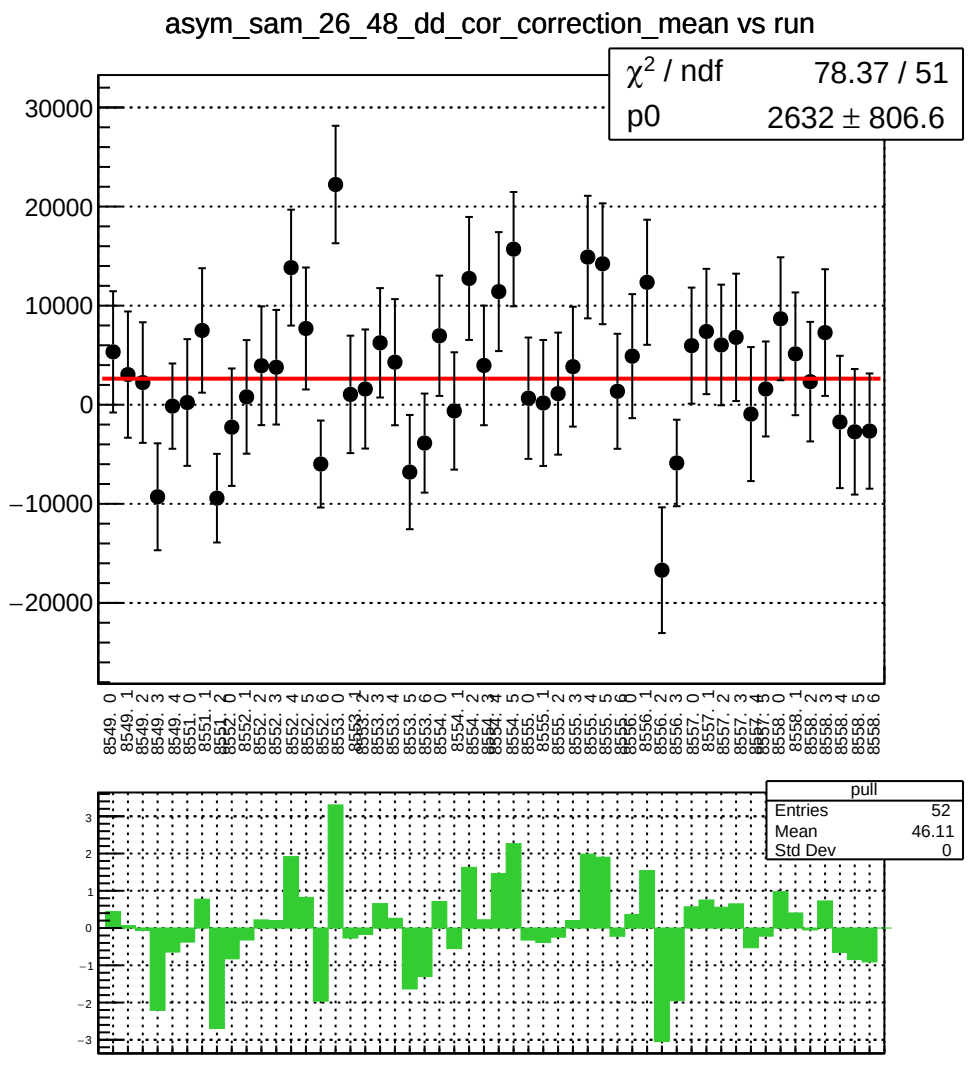

asym_sam_26_48_dd_reg_correction_mean vs run
χ² / ndf 78.37 / 51
p0 2632 ± 806.6
pull
Entries 52
Mean 46.12
Std Dev 0

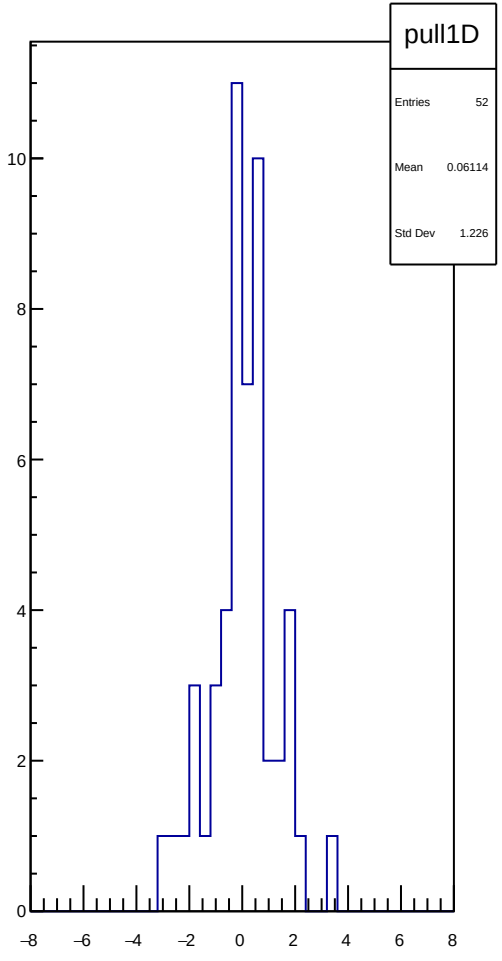

pull1D
Entries 52
Mean 0.06114
Std Dev 1.226

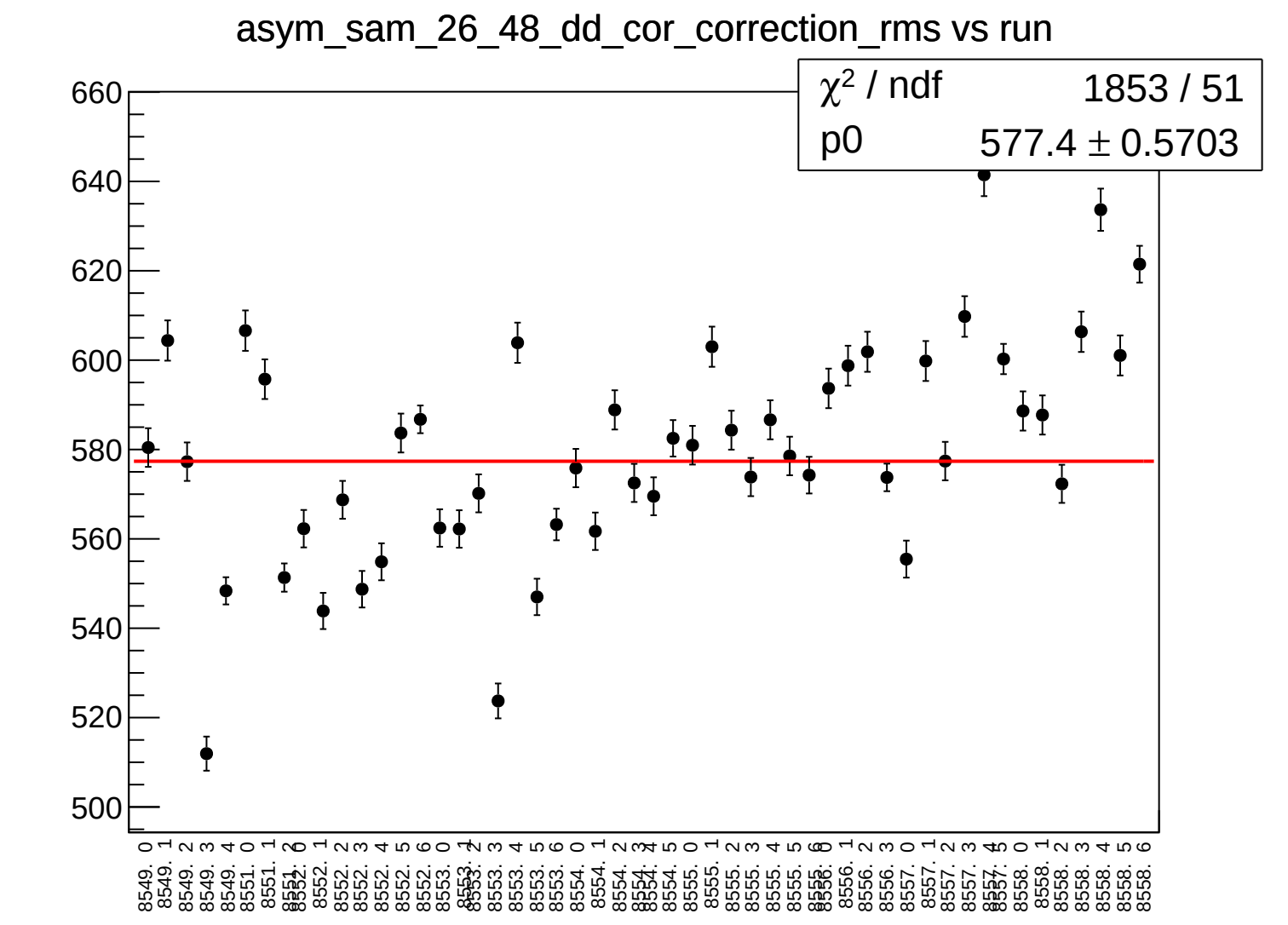

asym_sam_26_48_dd_reg_correction_rms vs run
χ² / ndf 1853 / 51
p0 577.4 ± 0.5703
660
640
620
600
580
560
540
520
500
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 5
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6


cor_asym_sam_26_48_dd_mean vs run
χ² / ndf 48.02 / 51
p0 −304.8 ± 153.5
pull
Entries 52
Mean 20.75
Std Dev 45.98
pull1D
Entries 52
Mean 0.01894
Std Dev 0.9608


cor_asym_sam_26_48_dd_rms vs run
χ² / ndf 1923 / 51
p0 109.9 ± 0.1086
140
135
130
125
120
115
110
105
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 5
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6


asym_sam_26_48_dd_cor_correction_mean vs run
χ² / ndf 78.37 / 51
p0 2632 ± 806.6
pull
Entries 52
Mean 46.11
Std Dev 0


pull1D
Entries 52
Mean 0.06114
Std Dev 1.226


asym_sam_26_48_dd_cor_correction_rms vs run
χ² / ndf 1853 / 51
p0 577.4 ± 0.5703
660
640
620
600
580
560
540
520
500
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 5
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
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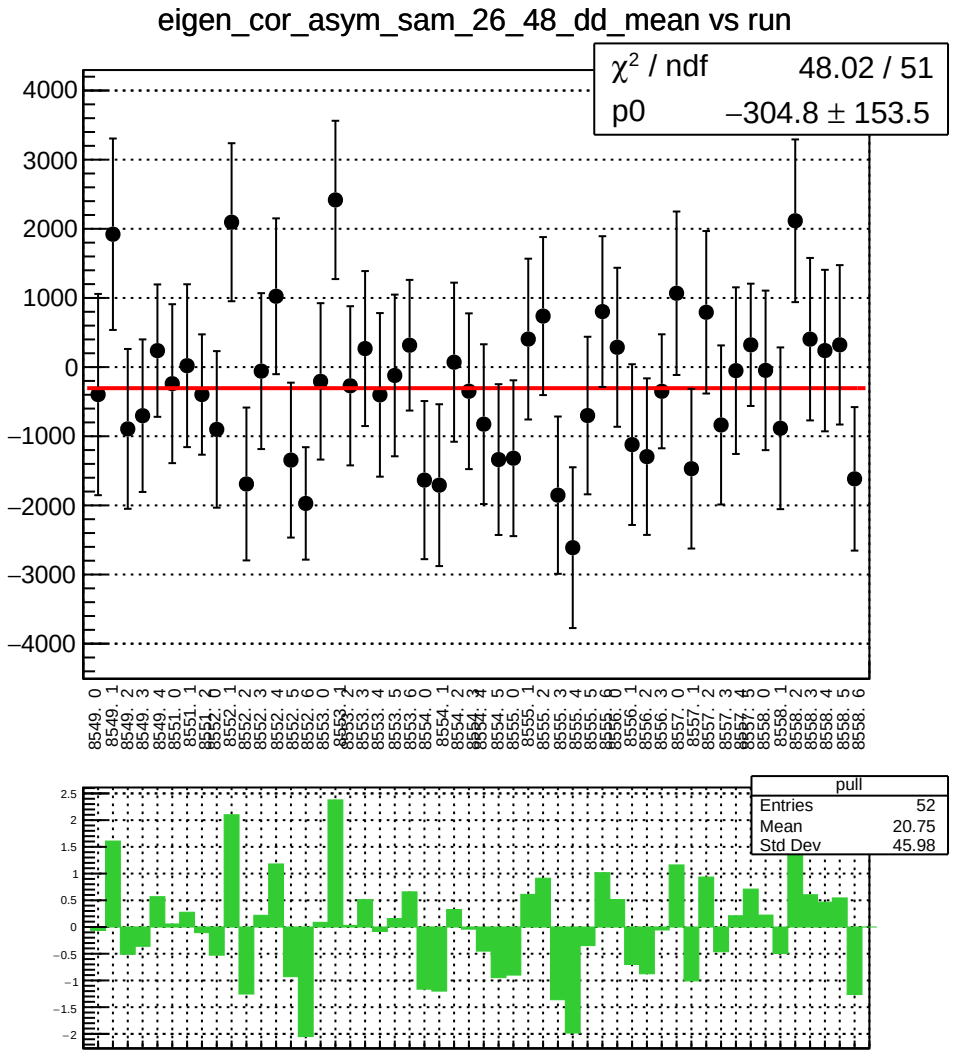
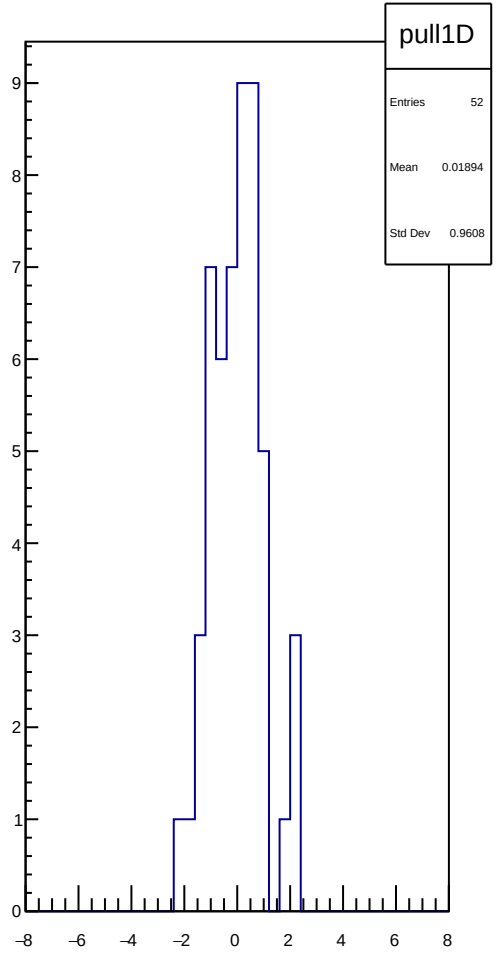
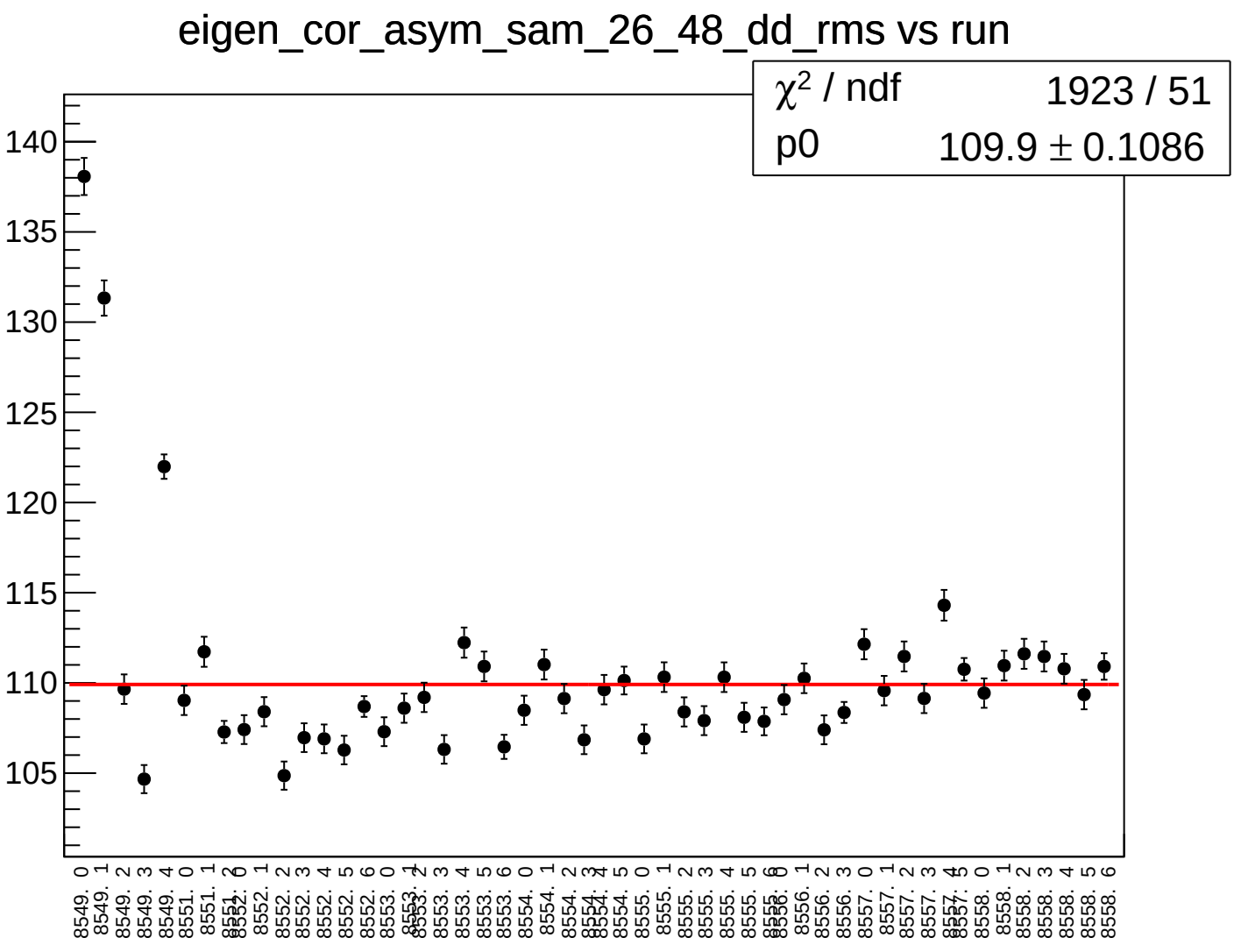
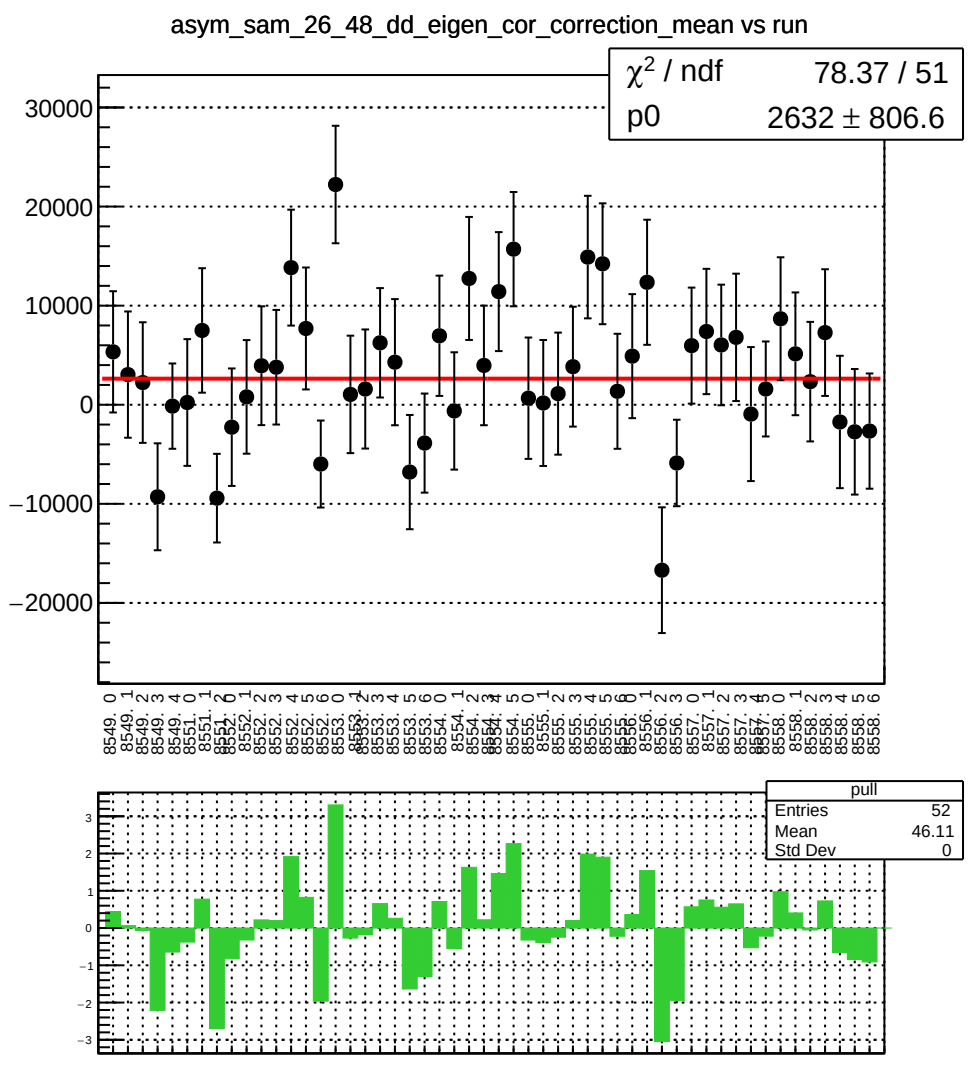
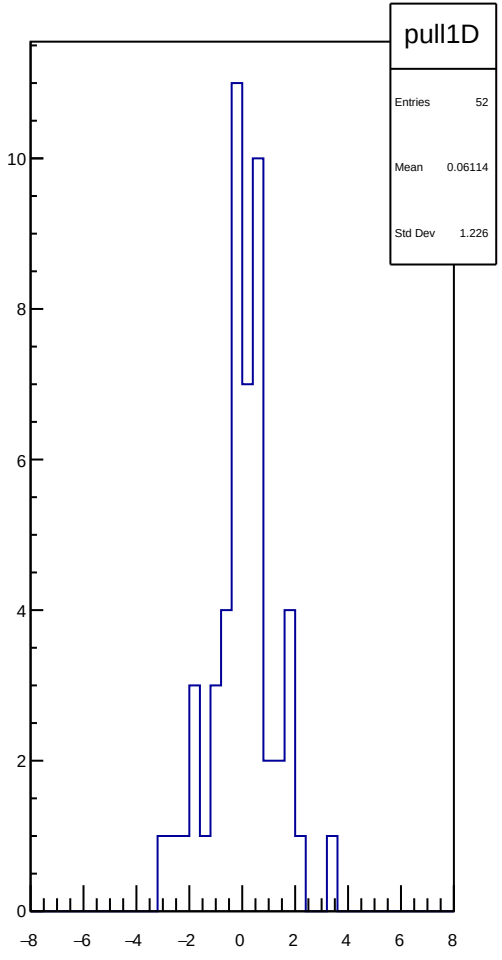
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

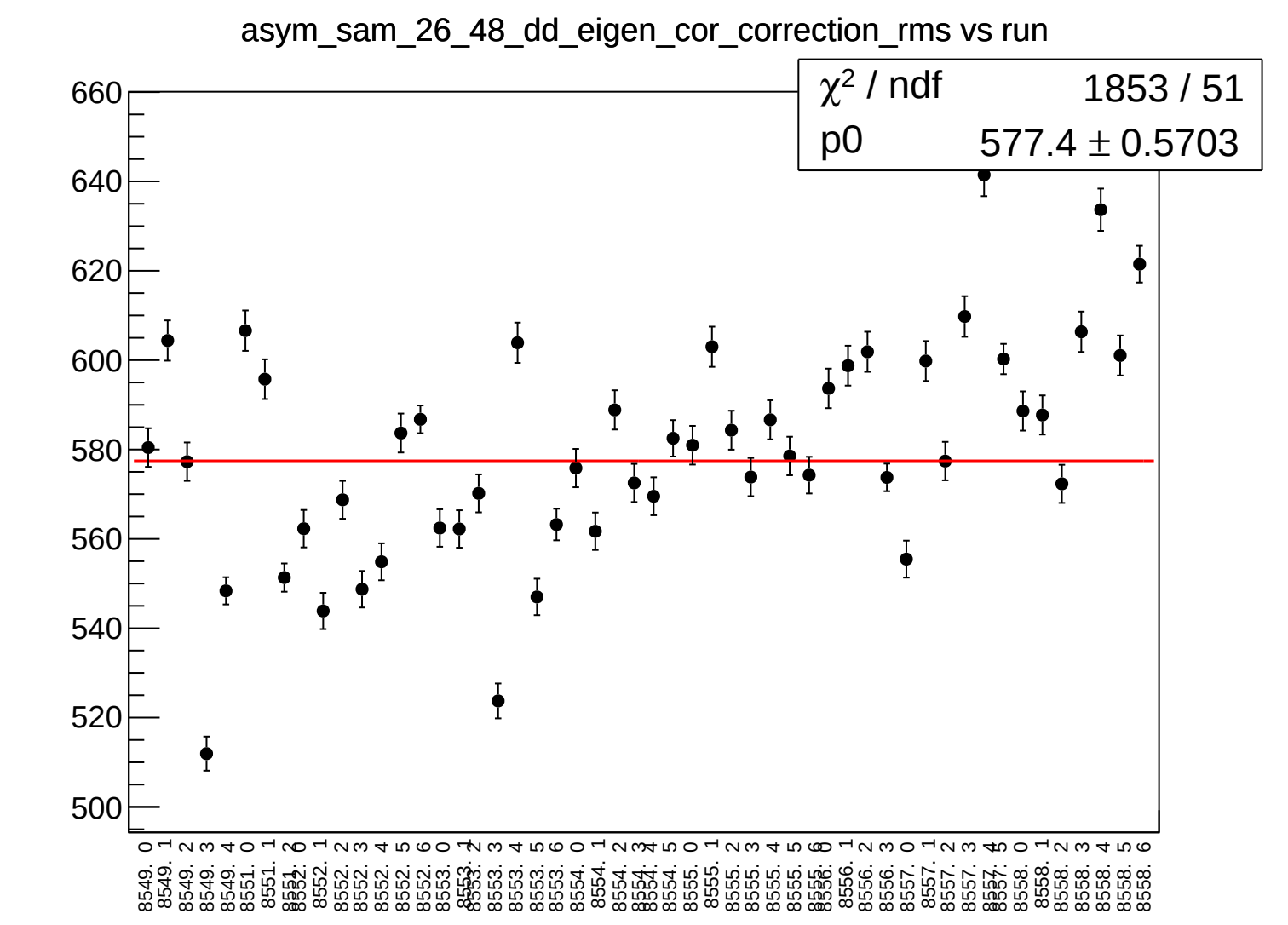

eigen_cor_asym_sam_26_48_dd_mean vs run
χ² / ndf 48.02 / 51
p0 −304.8 ± 153.5
pull
Entries 52
Mean 20.75
Std Dev 45.98


pull1D
Entries 52
Mean 0.01894
Std Dev 0.9608


eigen_cor_asym_sam_26_48_dd_rms vs run
χ² / ndf 1923 / 51
p0 109.9 ± 0.1086
140
135
130
125
120
115
110
105
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 5
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6


asym_sam_26_48_dd_eigen_cor_correction_mean vs run
χ² / ndf 78.37 / 51
p0 2632 ± 806.6
30000
20000
10000
0
−10000
−20000
pull
Entries 52
Mean 46.11
Std Dev 0
3
2
1
0
−1
−2
−3


pull1D
Entries 52
Mean 0.06114
Std Dev 1.226
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


asym_sam_26_48_dd_eigen_cor_correction_rms vs run
χ² / ndf 1853 / 51
p0 577.4 ± 0.5703
660
640
620
600
580
560
540
520
500
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
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8558. 0
8558. 1
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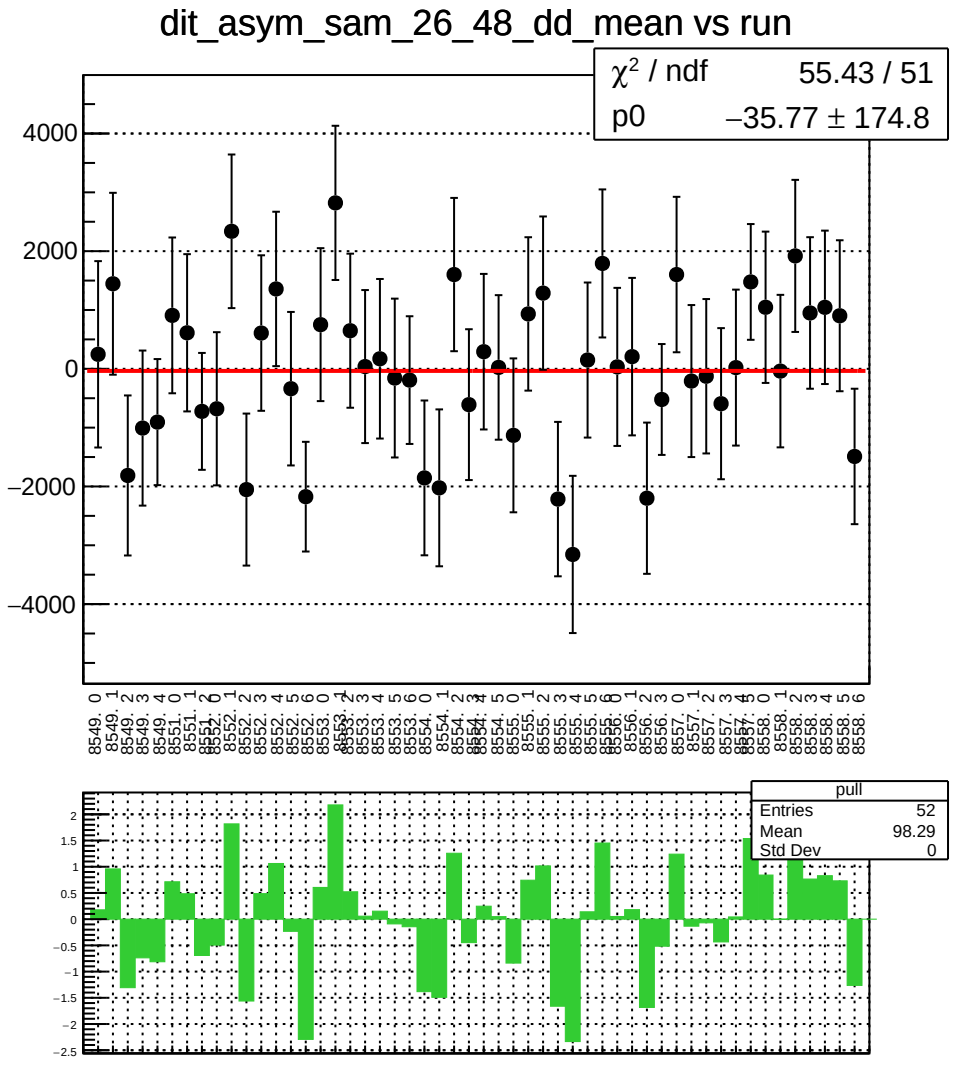
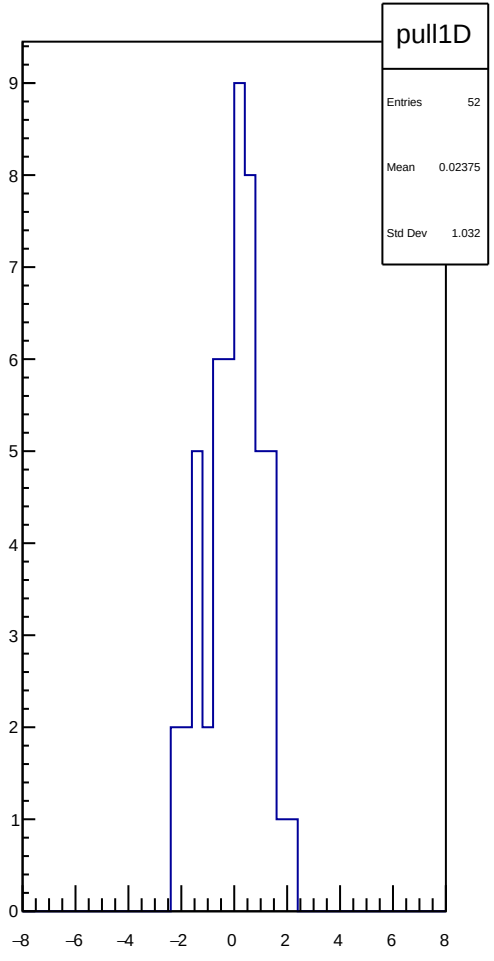
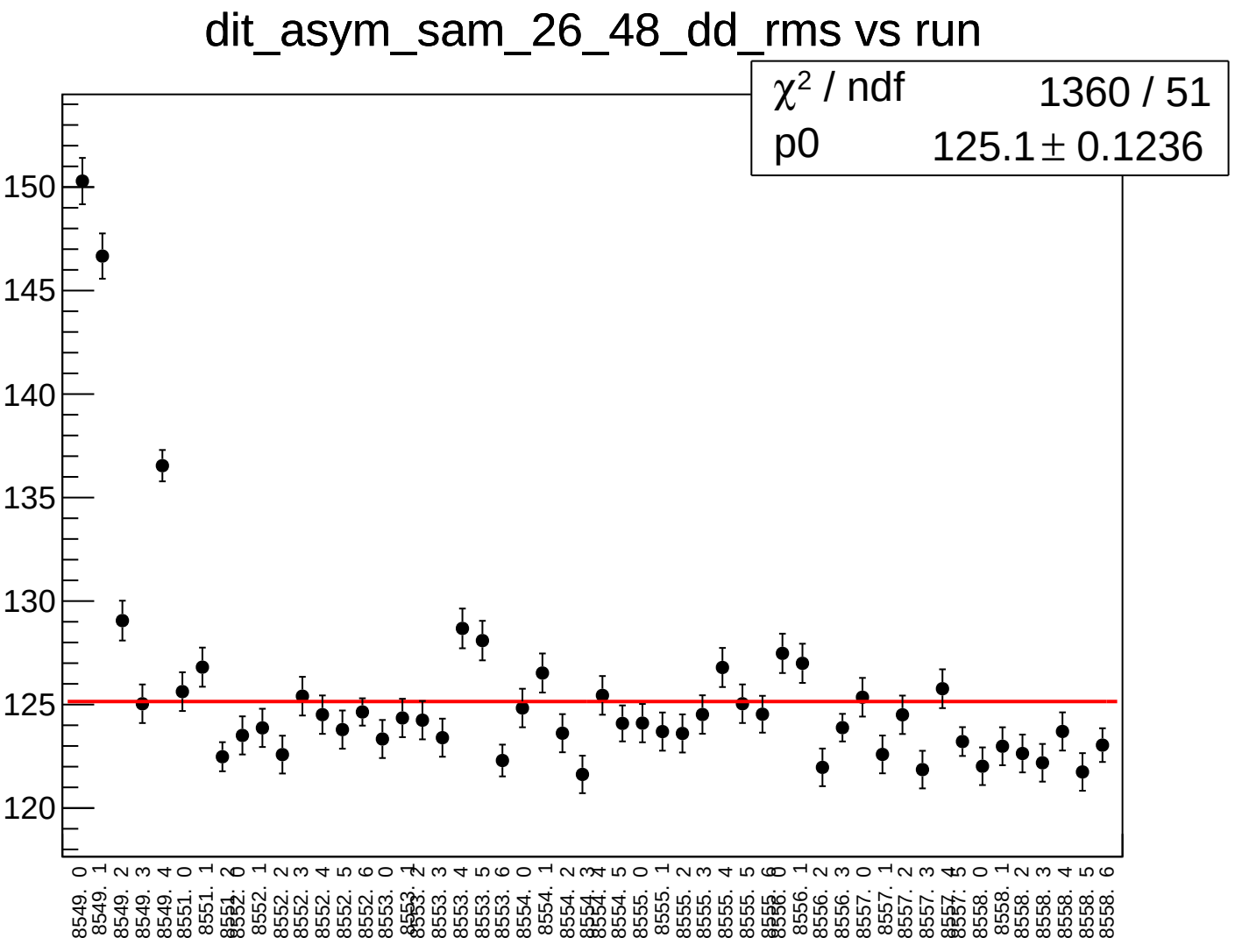
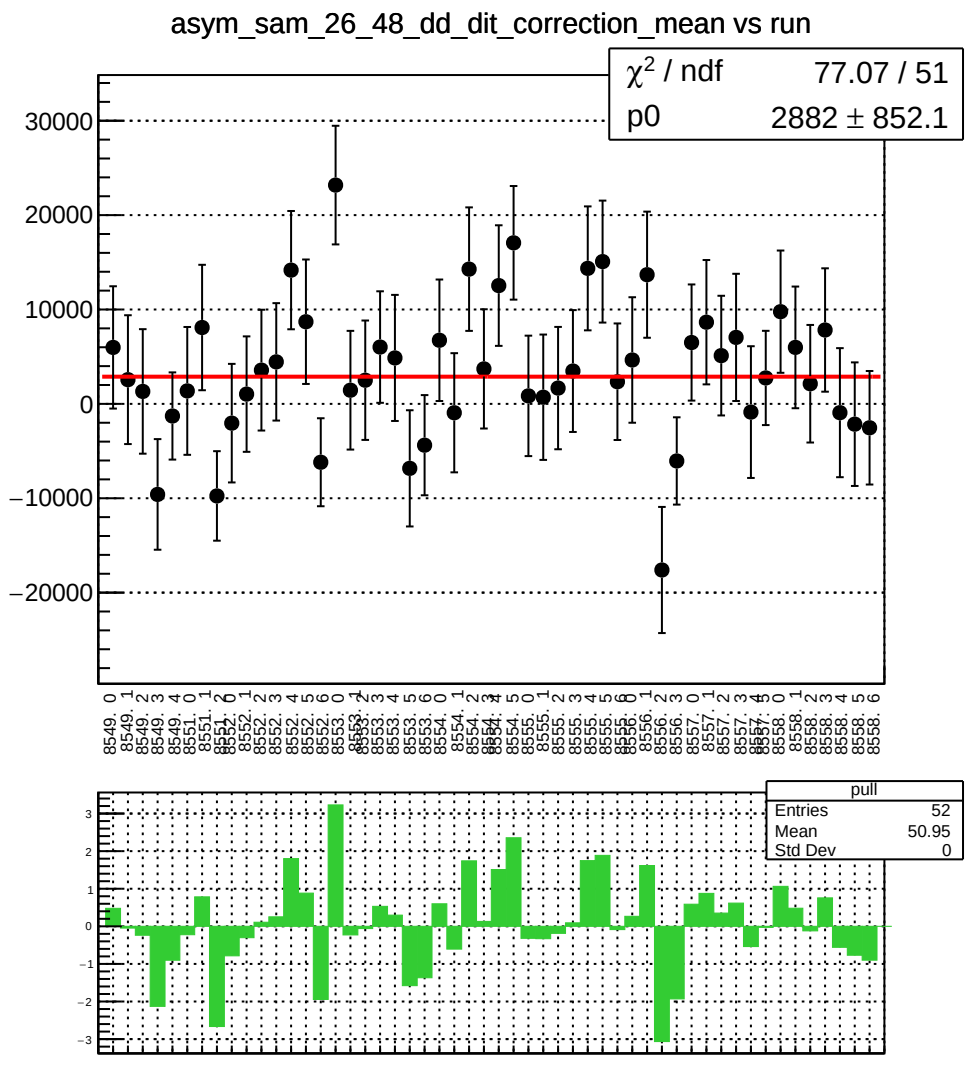
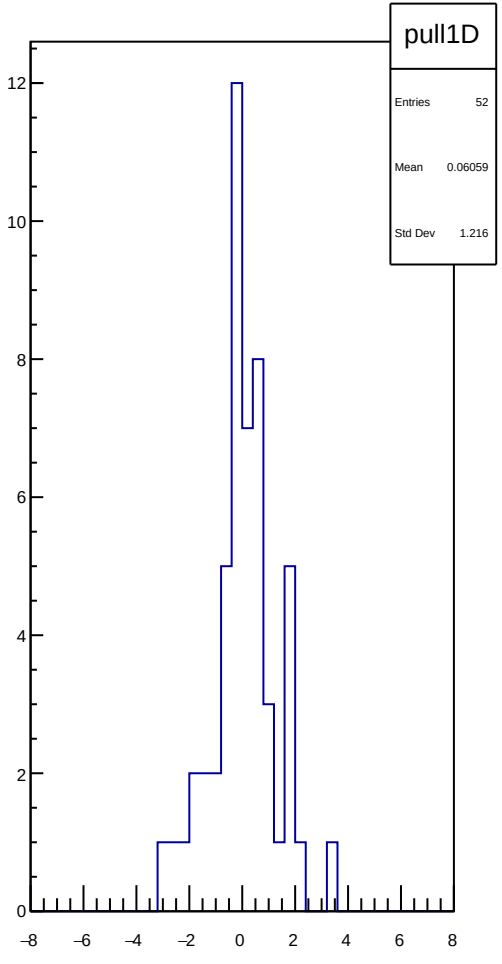
8558. 5
8558. 6

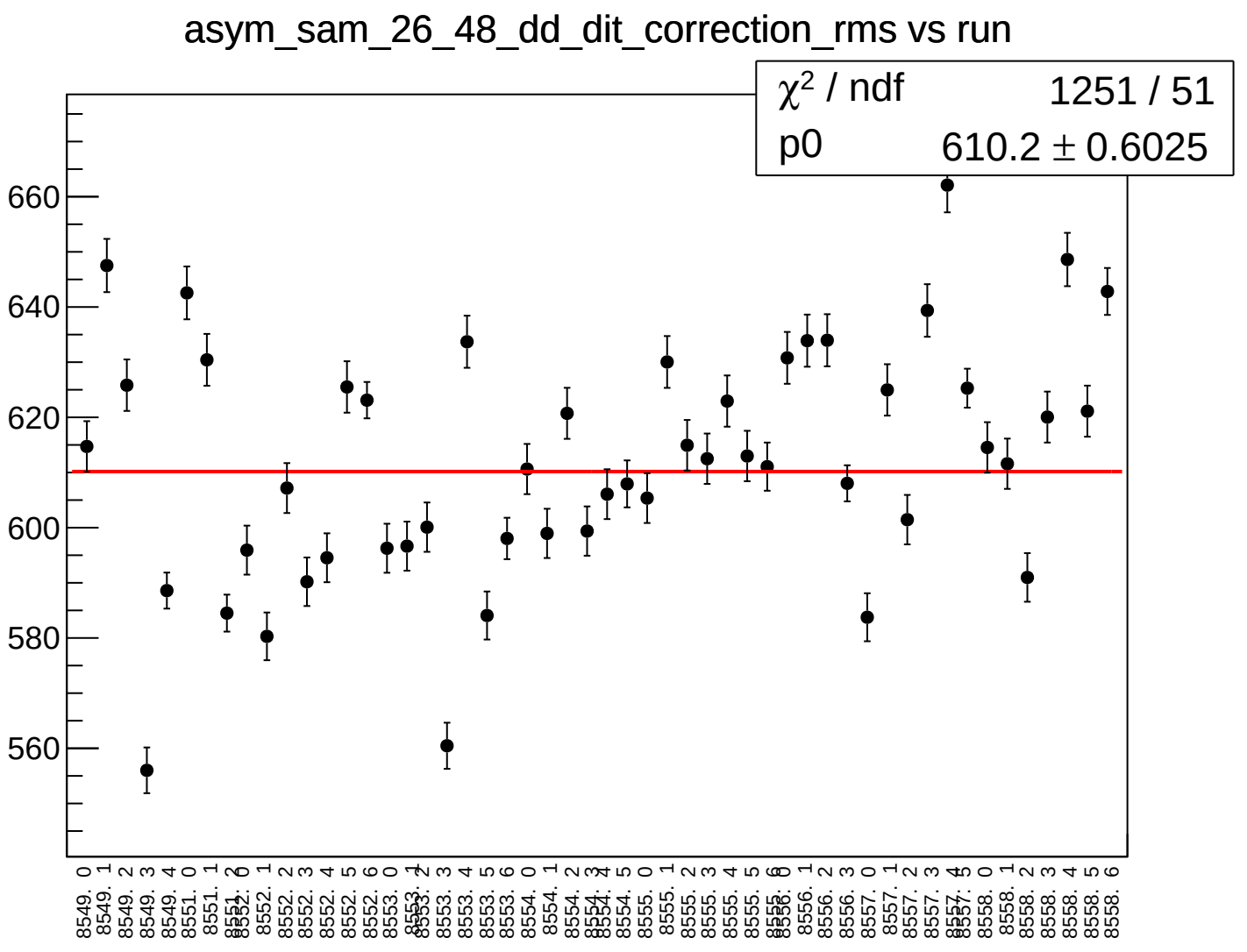

dit_asym_sam_26_48_dd_mean vs run
χ² / ndf 55.43 / 51
p0 −35.77 ± 174.8
4000
2000
0
−2000
−4000
pull
Entries 52
Mean 98.29
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

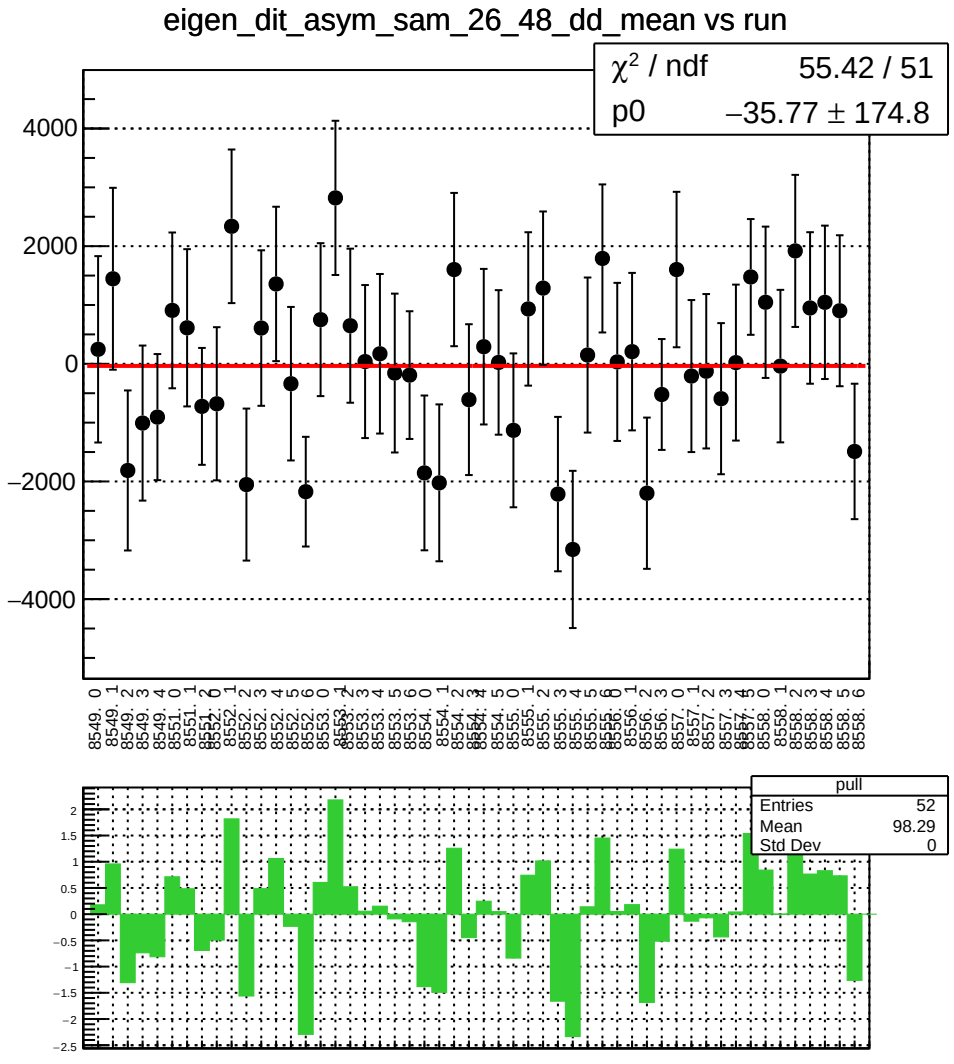

pull1D
Entries 52
Mean 0.02375
Std Dev 1.032
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

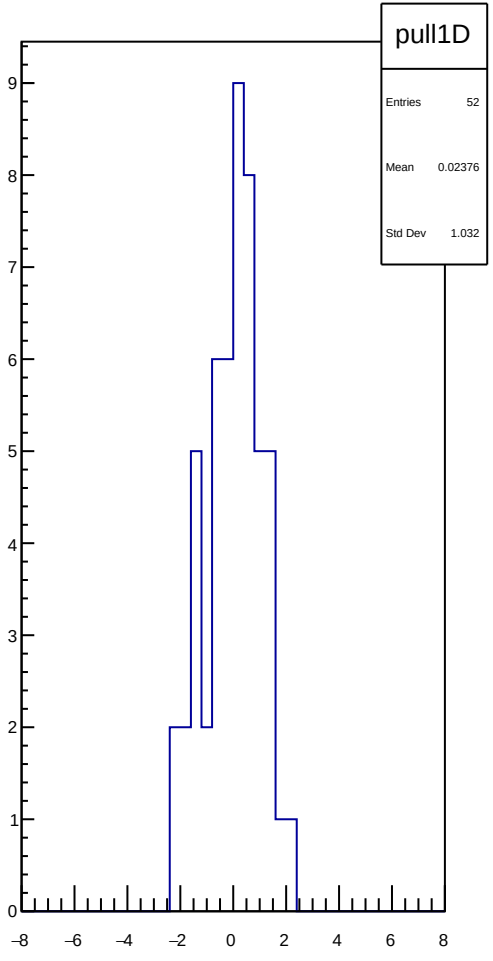

dit_asym_sam_26_48_dd_rms vs run
χ² / ndf 1360 / 51
p0 125.1 ± 0.1236
150
145
140
135
130
125
120
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 5
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

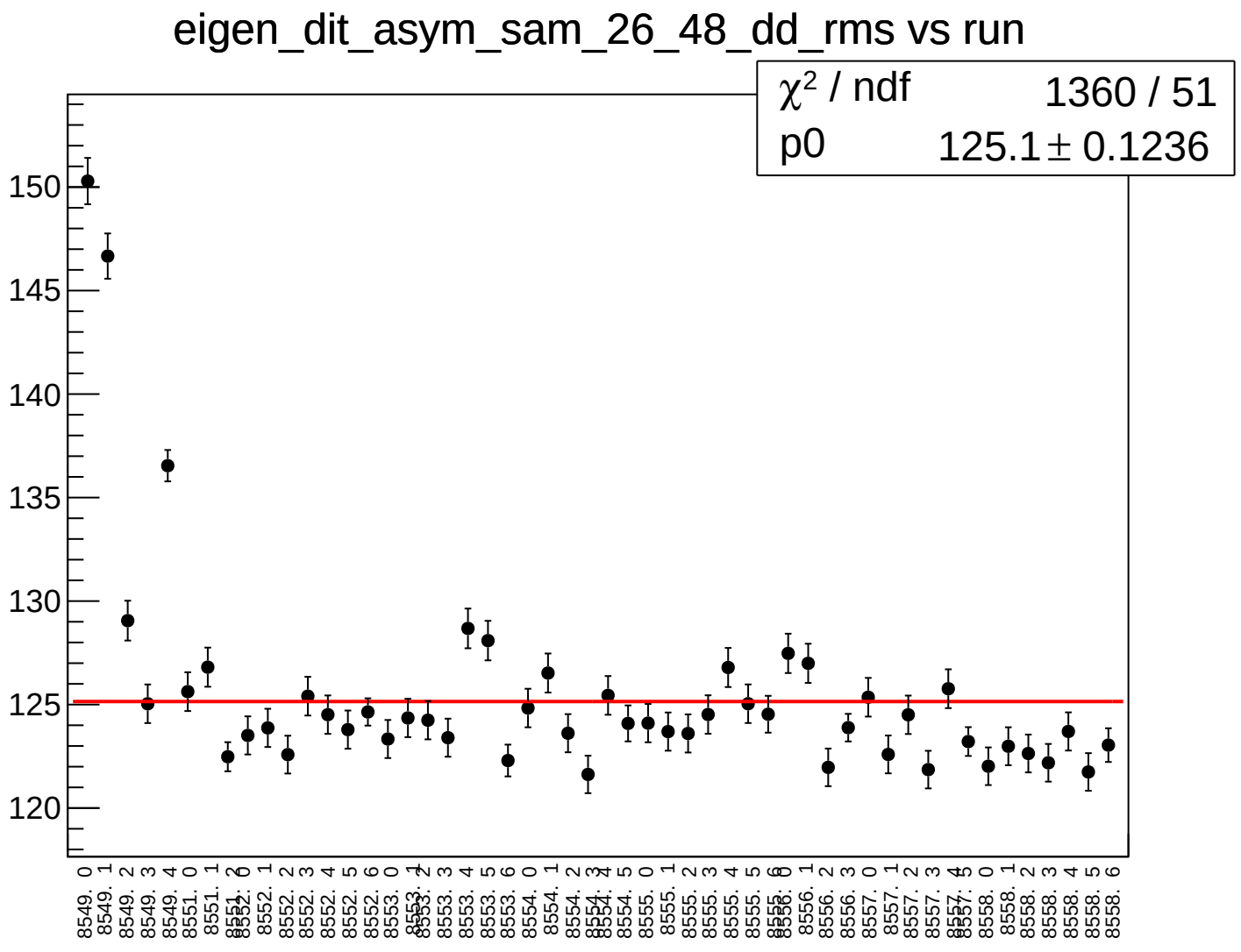

asym_sam_26_48_dd_dit_correction_mean vs run
χ² / ndf 77.07 / 51
p0 2882 ± 852.1
30000
20000
10000
0
−10000
−20000
pull
Entries 52
Mean 50.95
Std Dev 0
3
2
1
0
−1
−2
−3

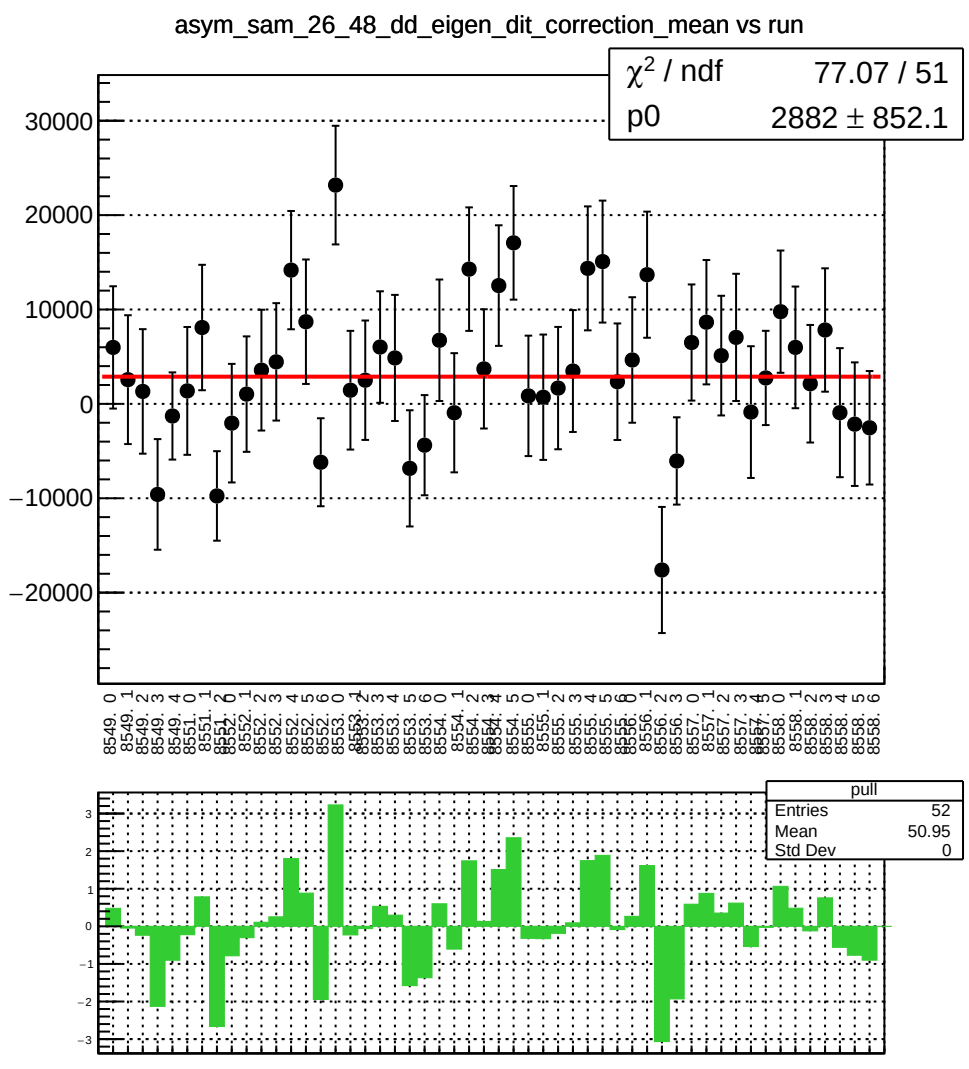

pull1D
Entries 52
Mean 0.06059
Std Dev 1.216
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

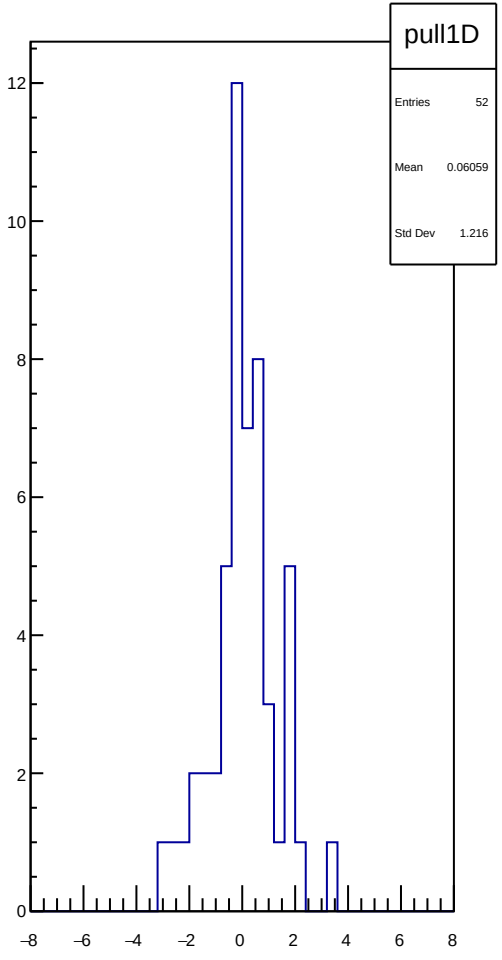

asym_sam_26_48_dd_dit_correction_rms vs run
χ² / ndf 1251 / 51
p0 610.2 ± 0.6025
660
640
620
600
580
560
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

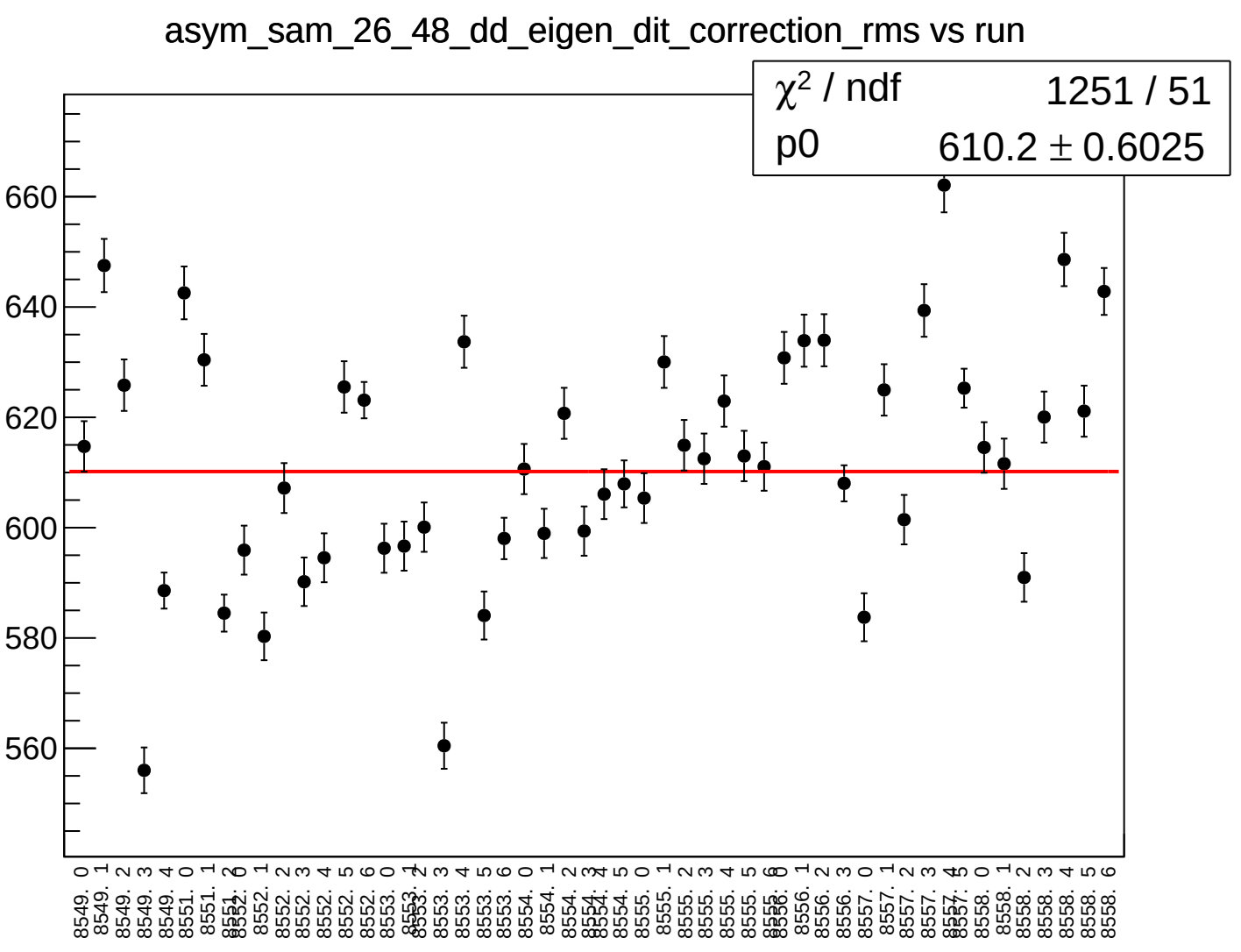

eigen_dit_asym_sam_26_48_dd_mean vs run
χ² / ndf 55.42 / 51
p0 −35.77 ± 174.8
4000
2000
0
−2000
−4000
pull
Entries 52
Mean 98.29
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

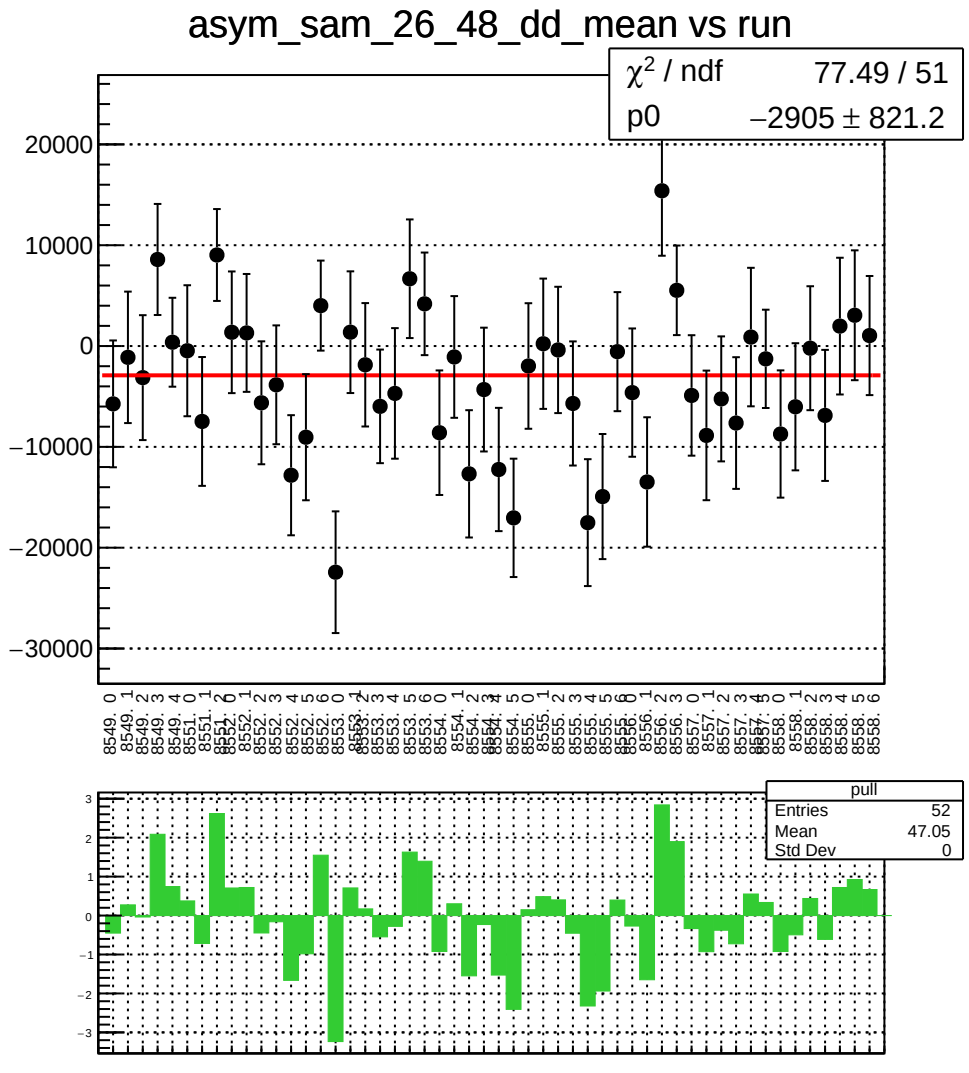

pull1D
Entries 52
Mean 0.02376
Std Dev 1.032
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

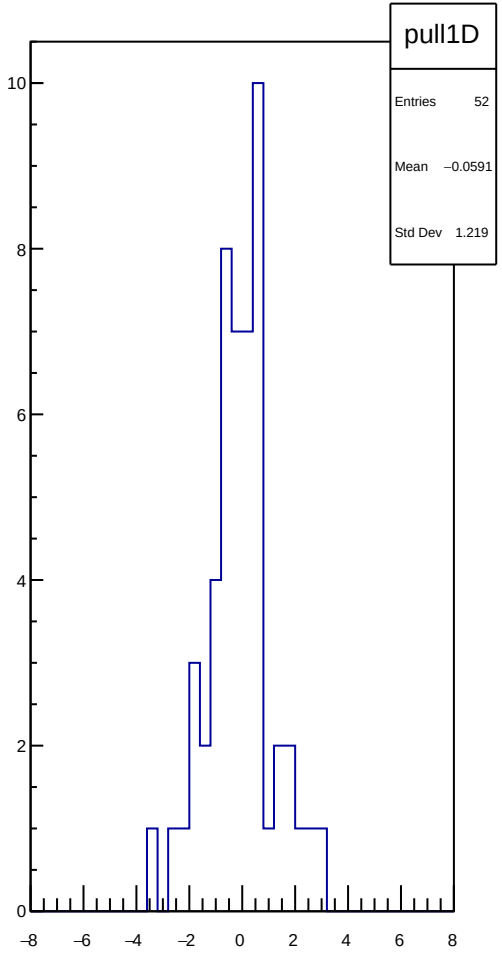

eigen_dit_asym_sam_26_48_dd_rms vs run
χ² / ndf 1360 / 51
p0 125.1 ± 0.1236
150
145
140
135
130
125
120
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

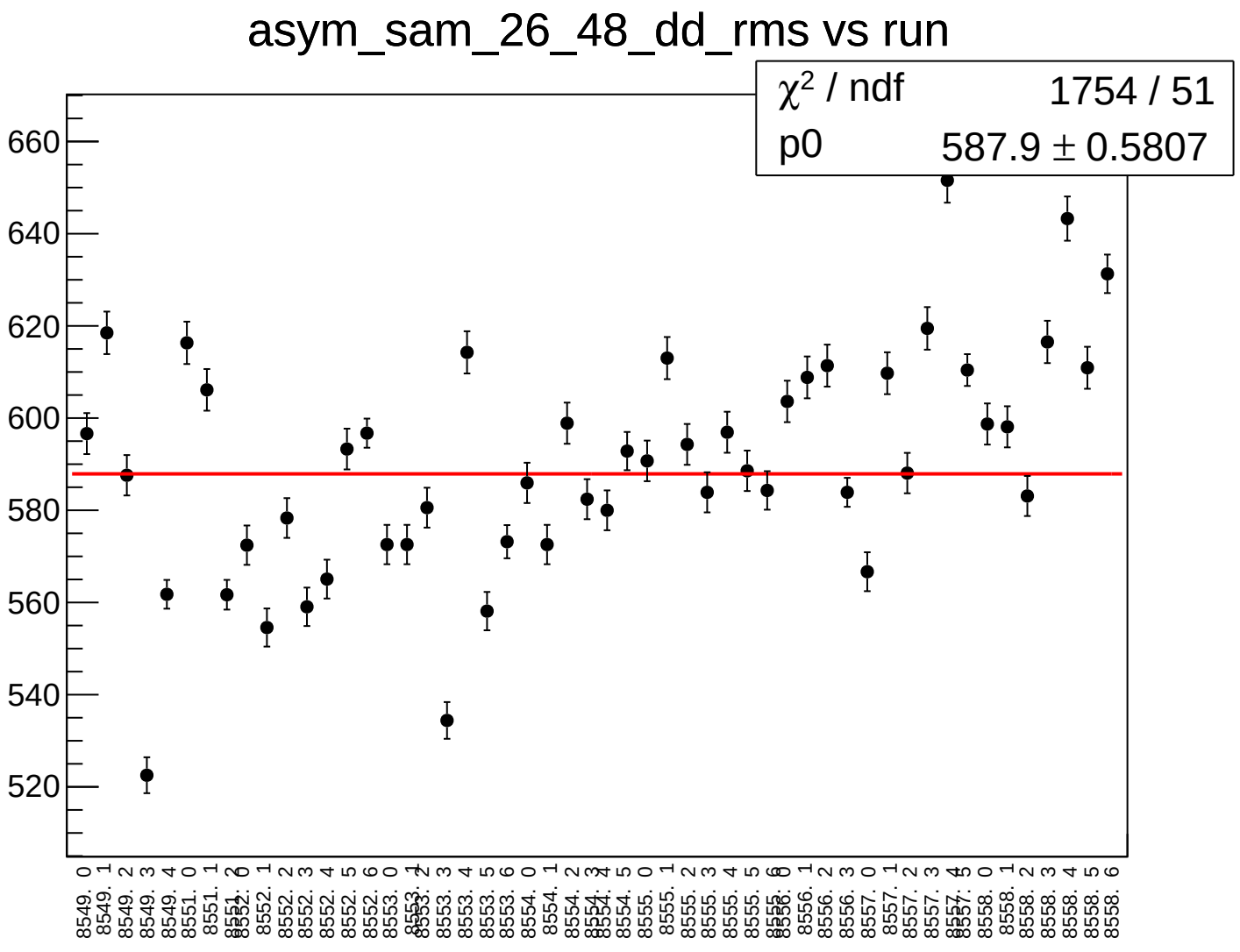

asym_sam_26_48_dd_eigen_dit_correction_mean vs run
χ² / ndf 77.07 / 51
p0 2882 ± 852.1
30000
20000
10000
0
−10000
−20000
pull
Entries 52
Mean 50.95
Std Dev 0
3
2
1
0
−1
−2
−3

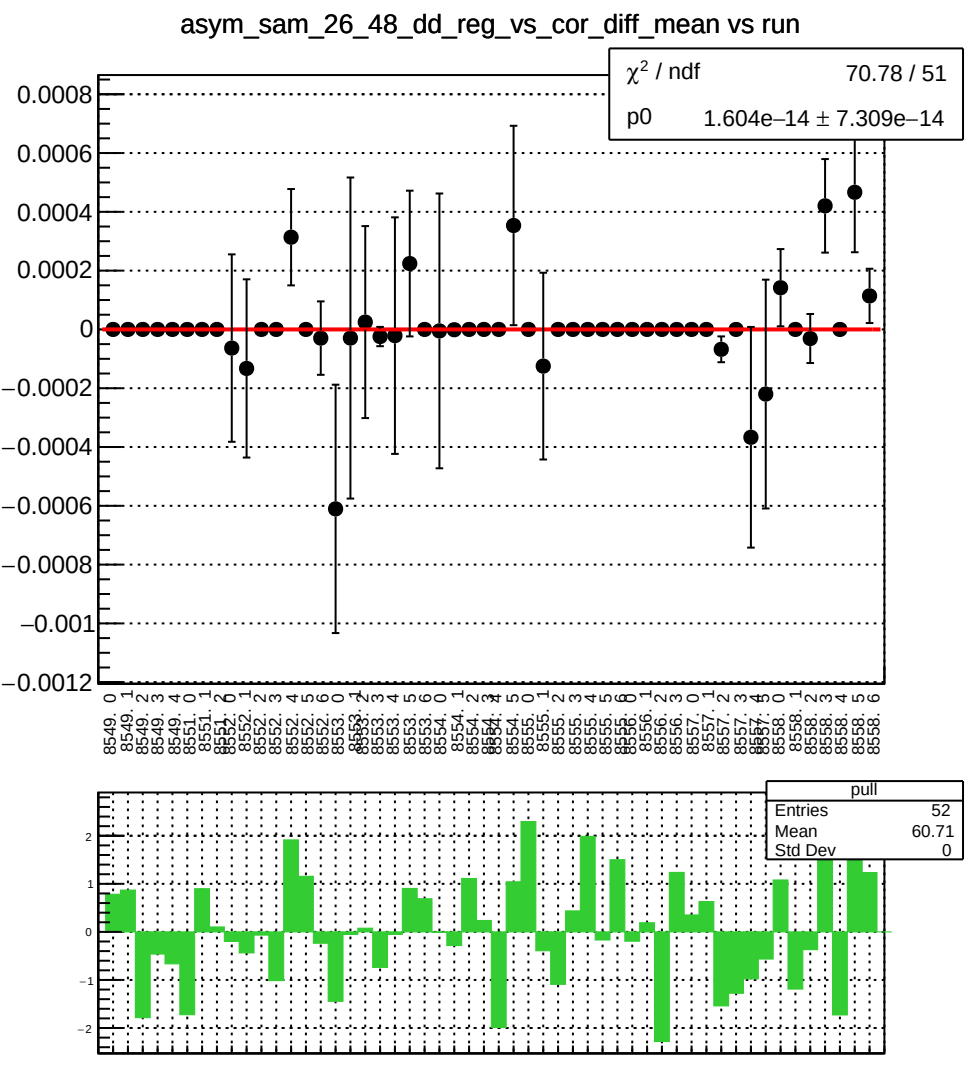

pull1D
Entries 52
Mean 0.06059
Std Dev 1.216
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

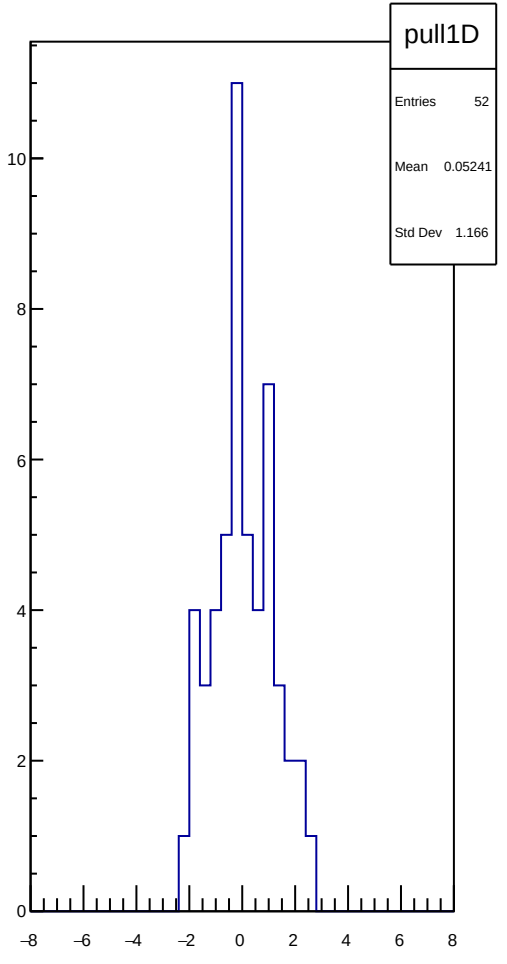

asym_sam_26_48_dd_eigen_dit_correction_rms vs run
χ² / ndf 1251 / 51
p0 610.2 ± 0.6025
660
640
620
600
580
560
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

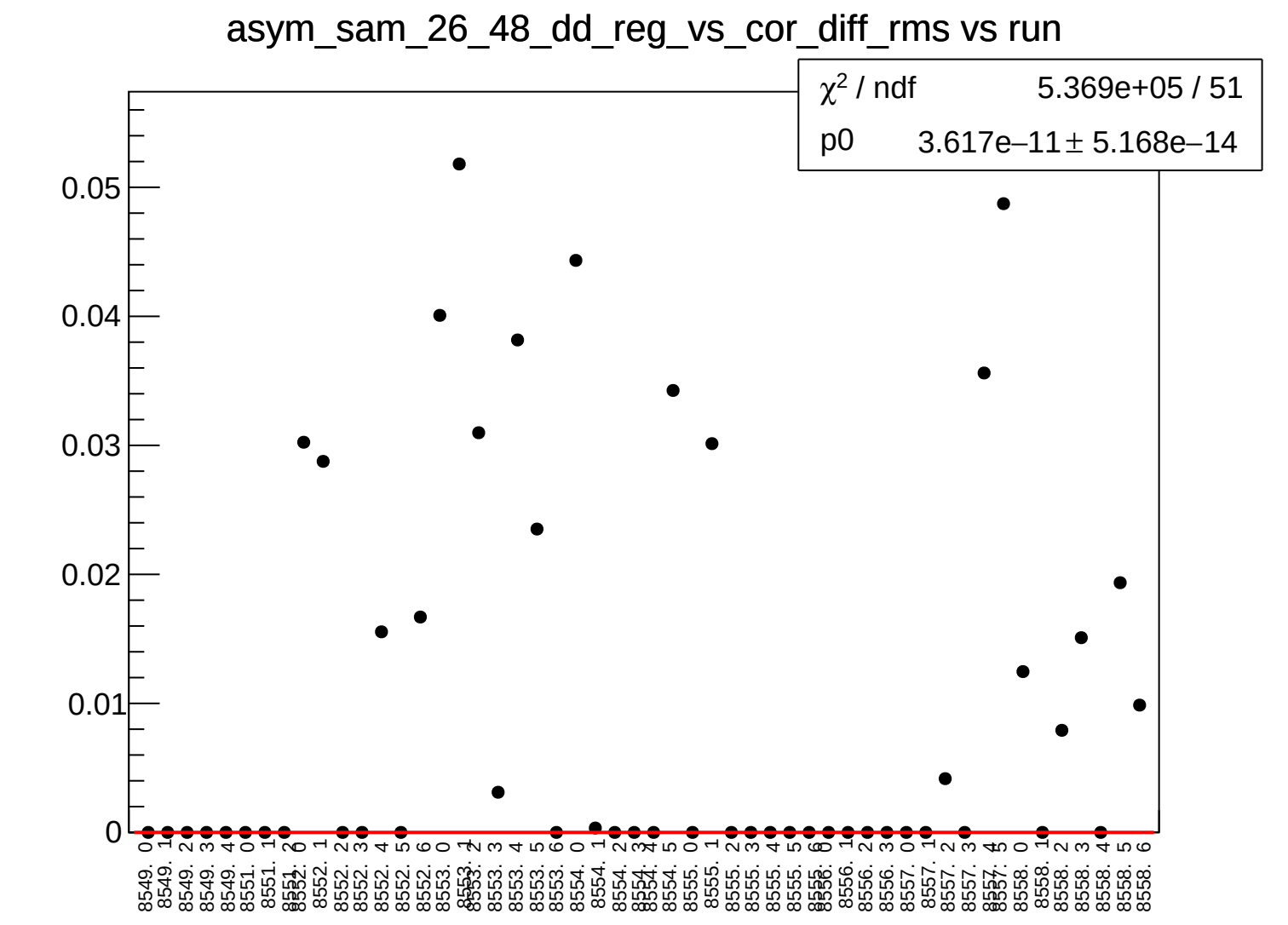

asym_sam_26_48_dd_mean vs run
χ² / ndf 77.49 / 51
p0 −2905 ± 821.2
20000
10000
0
−10000
−20000
−30000
pull
Entries 52
Mean 47.05
Std Dev 0
3
2
1
0
−1
−2
−3


pull1D
Entries 52
Mean −0.0591
Std Dev 1.219
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


asym_sam_26_48_dd_rms vs run
χ² / ndf 1754 / 51
p0 587.9 ± 0.5807
660
640
620
600
580
560
540
520
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 5
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6


asym_sam_26_48_dd_reg_vs_cor_diff_mean vs run
χ² / ndf 70.78 / 51
p0 1.604e−14 ± 7.309e−14
0.0008
0.0006
0.0004
0.0002
0
−0.0002
−0.0004
−0.0006
−0.0008
−0.001
−0.0012
pull
Entries 52
Mean 60.71
Std Dev 0


pull1D
Entries 52
Mean 0.05241
Std Dev 1.166
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 5.369e+05 / 51
p0 3.617e−11 ± 5.168e−14
0.05
0.04
0.03
0.02
0.01
0
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8549. 5
8549. 6
8551. 0
8551. 1
8551. 2
8552. 0
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 1
8553. 2
8553. 3
8553. 4
8553. 5
8553. 6
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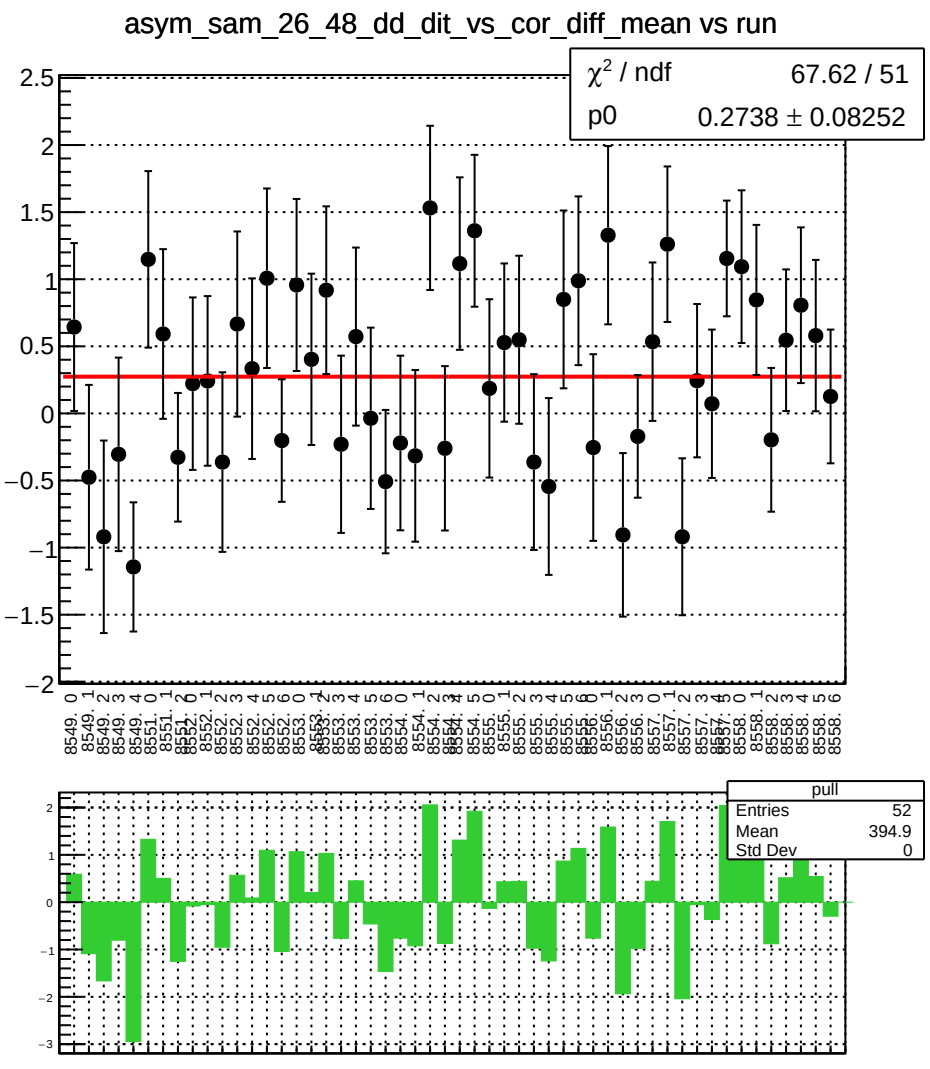
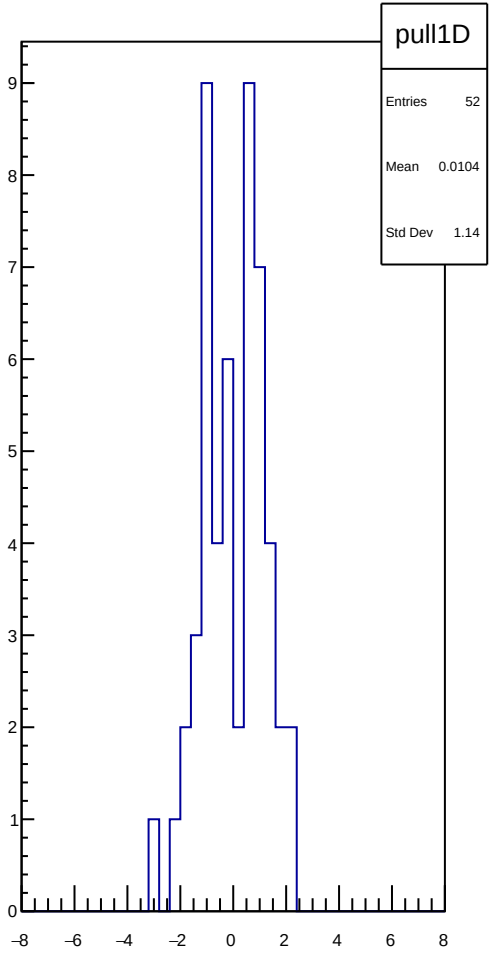
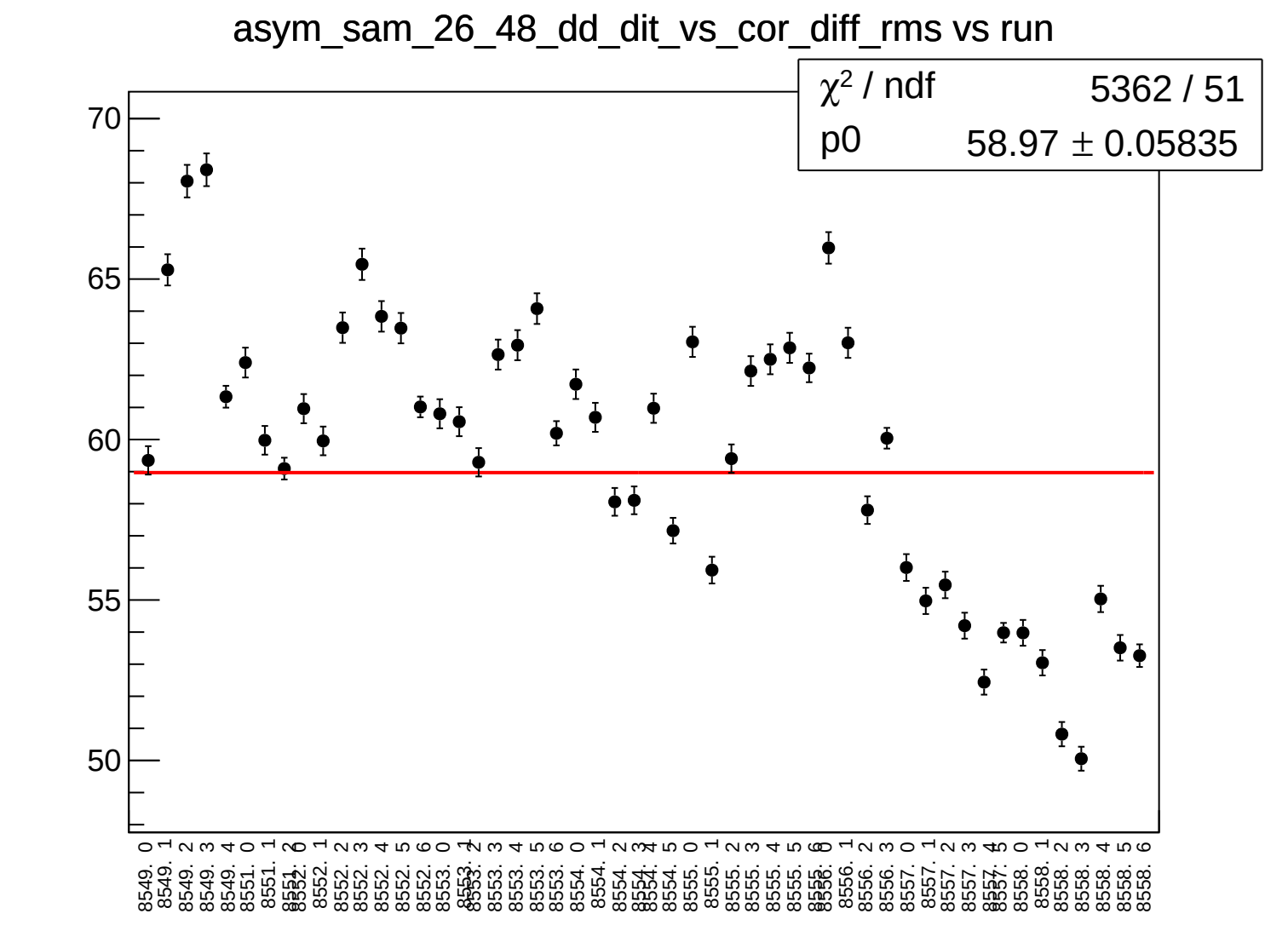
8554. 1
8554. 2
8554. 3
8554. 4
8554. 5
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8555. 6
8556. 0
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8557. 4
8557. 5
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6


asym_sam_26_48_dd_dit_vs_cor_diff_mean vs run
χ² / ndf 67.62 / 51
p0 0.2738 ± 0.08252
pull
Entries 52
Mean 394.9
Std Dev 0


pull1D
Entries 52
Mean 0.0104
Std Dev 1.14


asym_sam_26_48_dd_dit_vs_cor_diff_rms vs run
χ² / ndf 5362 / 51
p0 58.97 ± 0.05835
70
65
60
55
50
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
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8554. 2
8554. 5
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
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8556. 2
8556. 3
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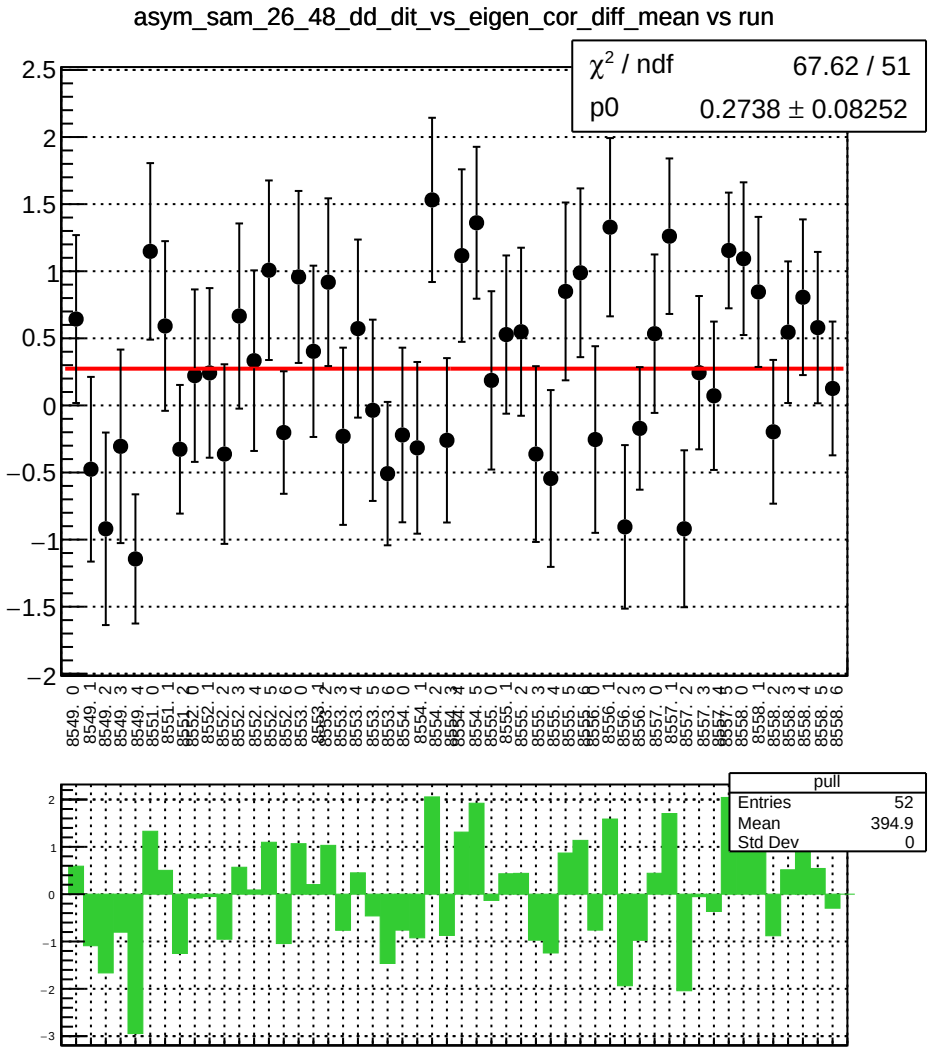
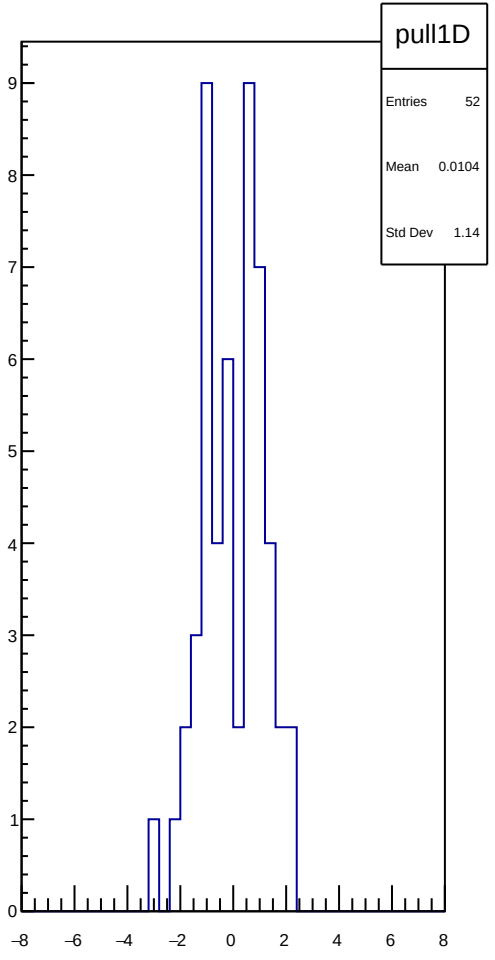
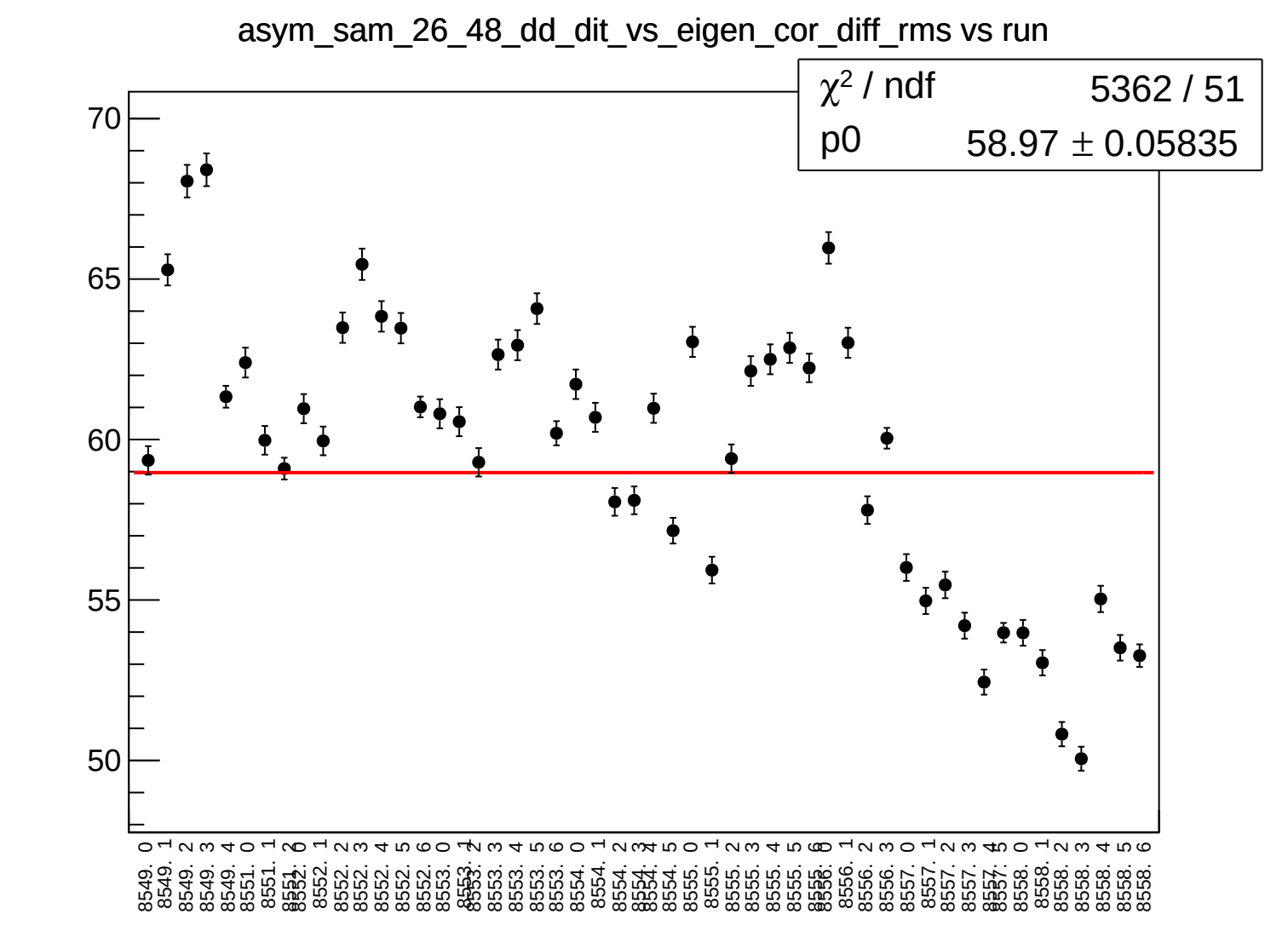
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6


asym_sam_26_48_dd_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 67.62 / 51
p0 0.2738 ± 0.08252
pull
Entries 52
Mean 394.9
Std Dev 0


pull1D
Entries 52
Mean 0.0104
Std Dev 1.14


asym_sam_26_48_dd_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 5362 / 51
p0 58.97 ± 0.05835
70
65
60
55
50
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
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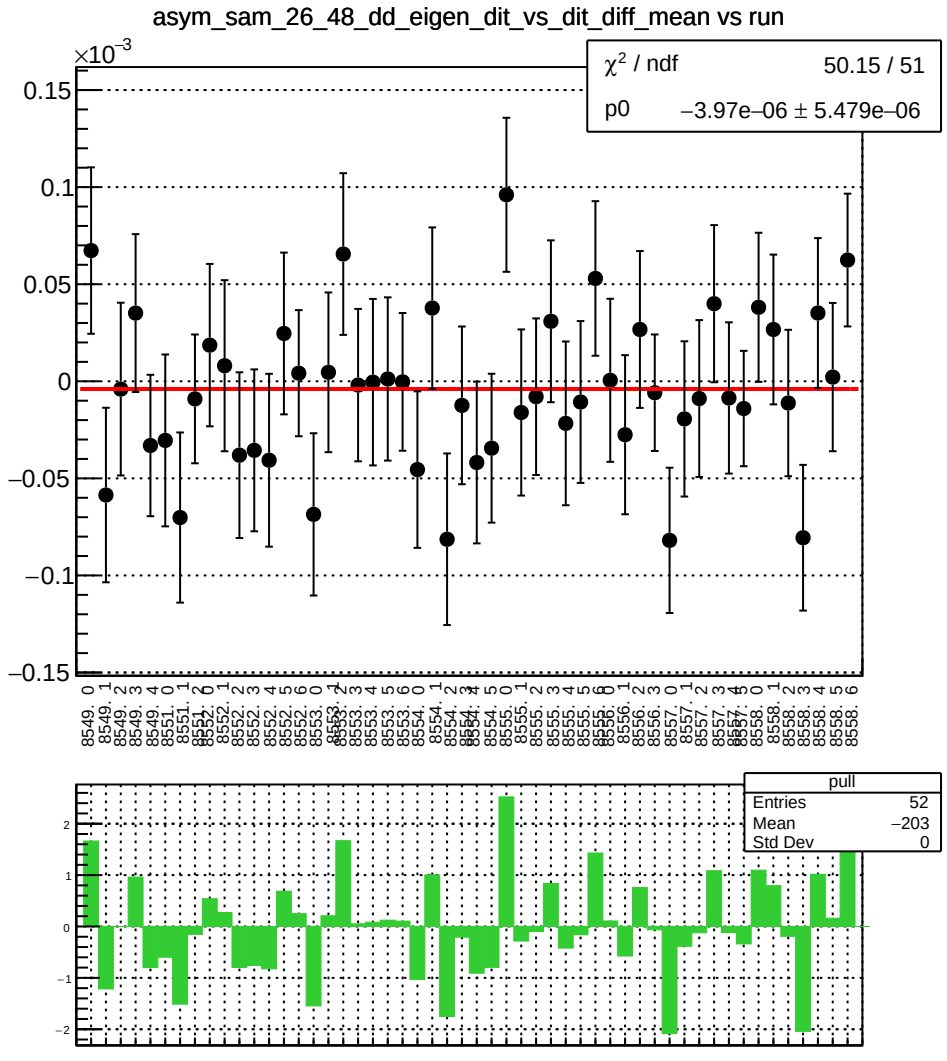
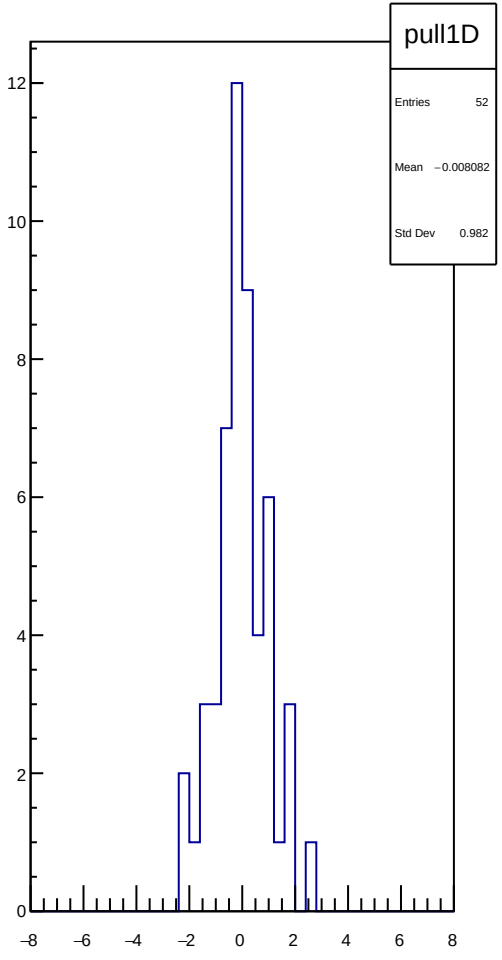
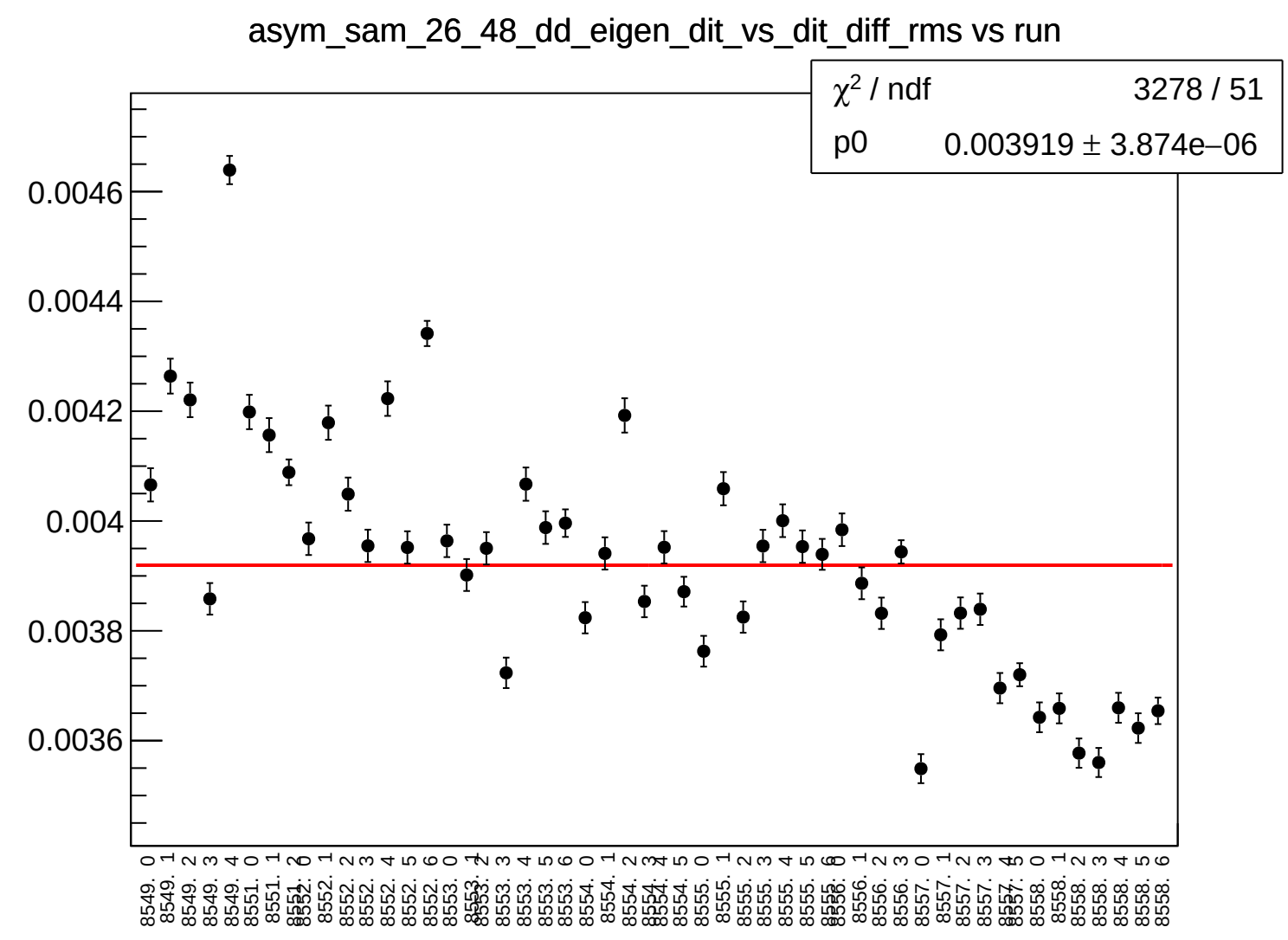
8554. 0
8554. 1
8554. 2
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6


asym_sam_26_48_dd_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 50.15 / 51
p0 −3.97e−06 ± 5.479e−06
pull
Entries 52
Mean −203
Std Dev 0


pull1D
Entries 52
Mean −0.008082
Std Dev 0.982


asym_sam_26_48_dd_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 3278 / 51
p0 0.003919 ± 3.874e−06
0.0046
0.0044
0.0042
0.004
0.0038
0.0036
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
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8558. 2
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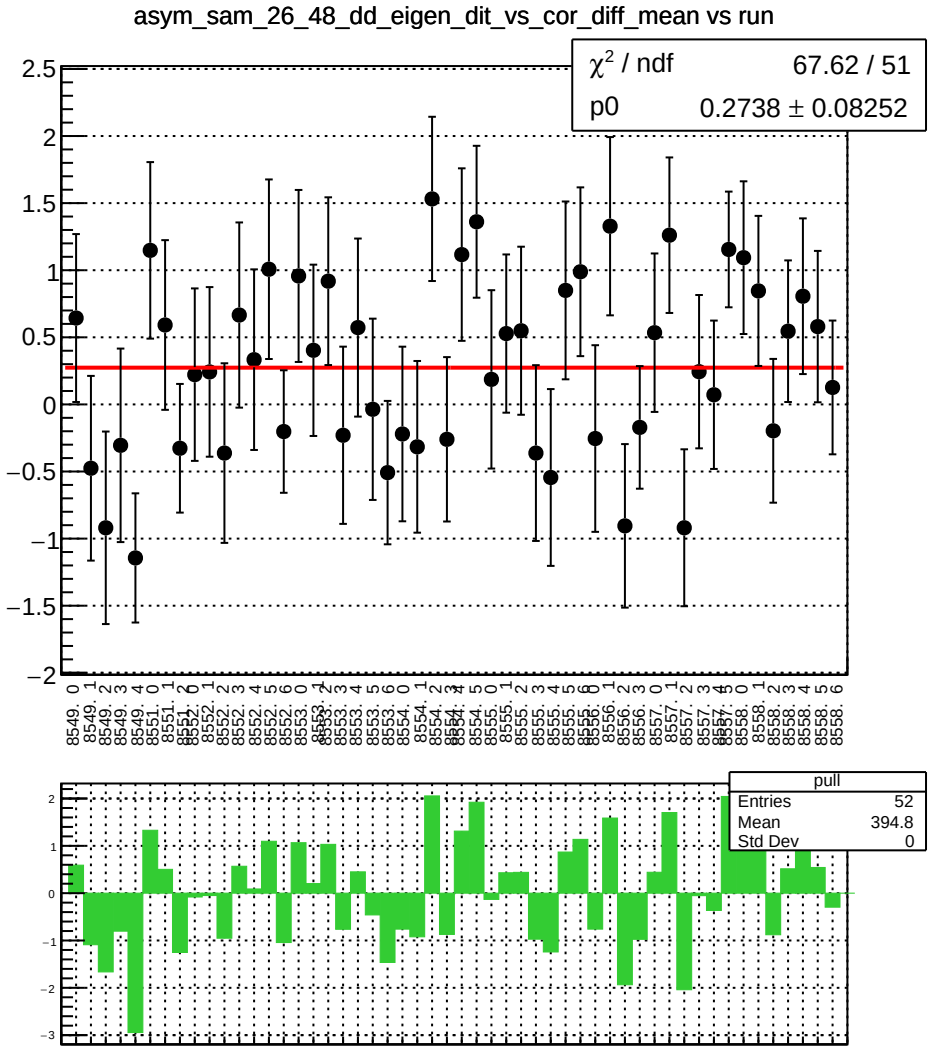
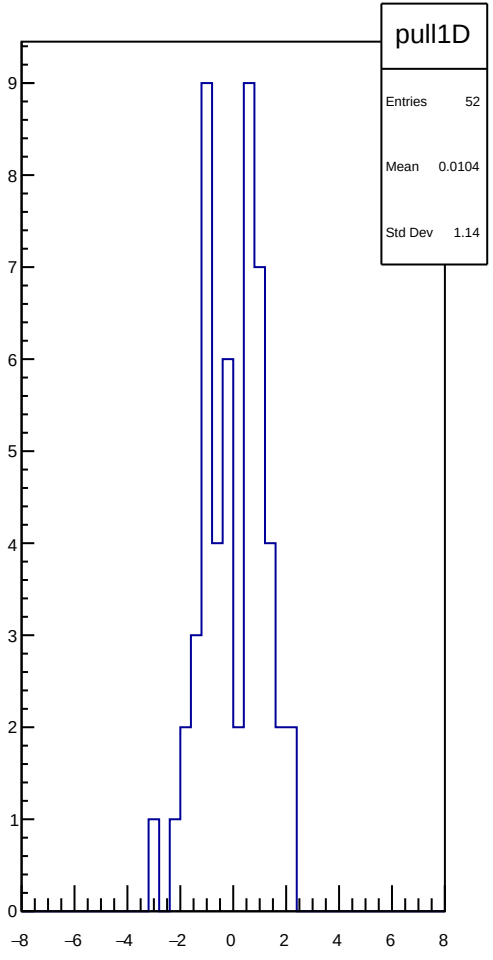
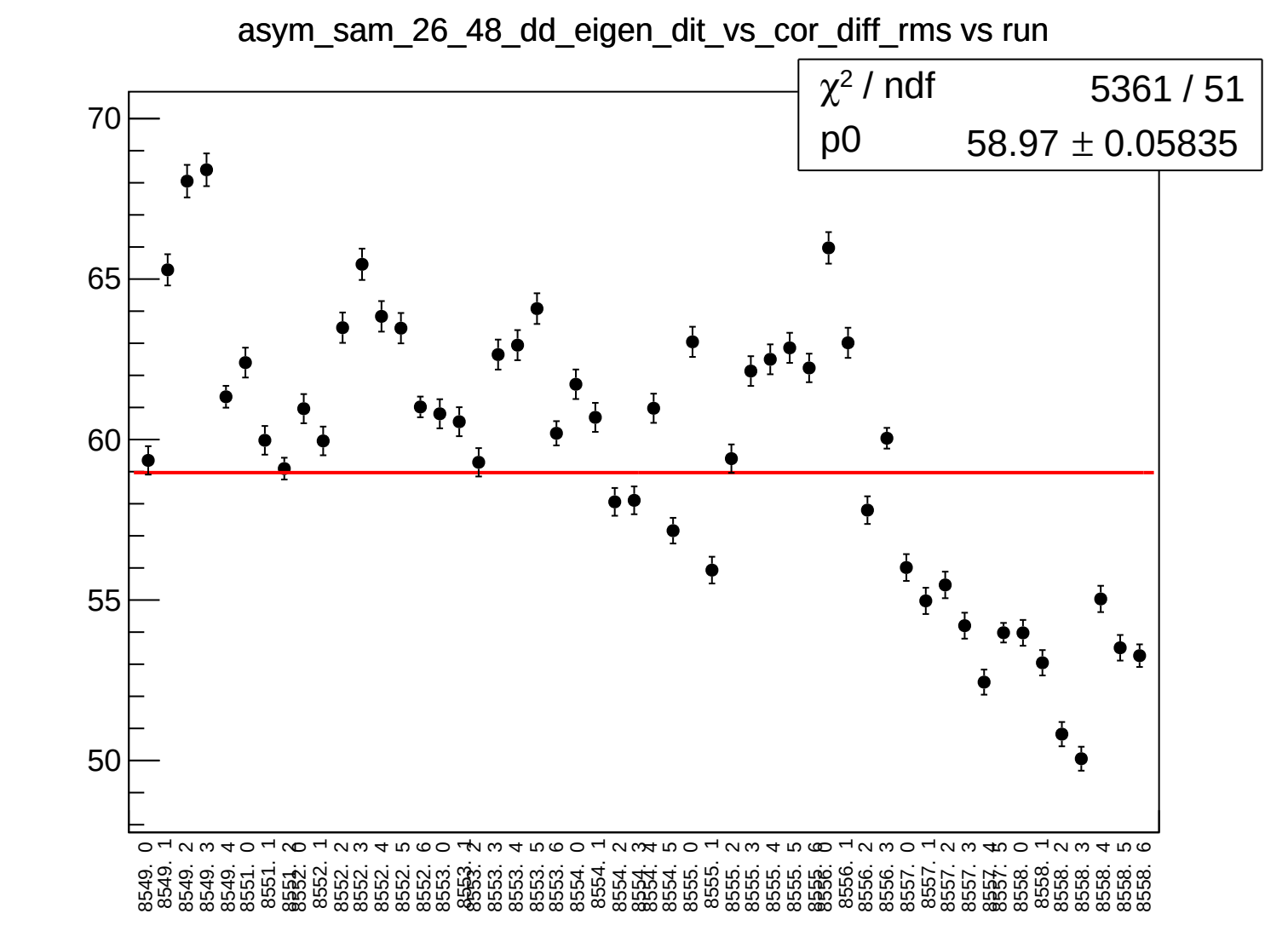
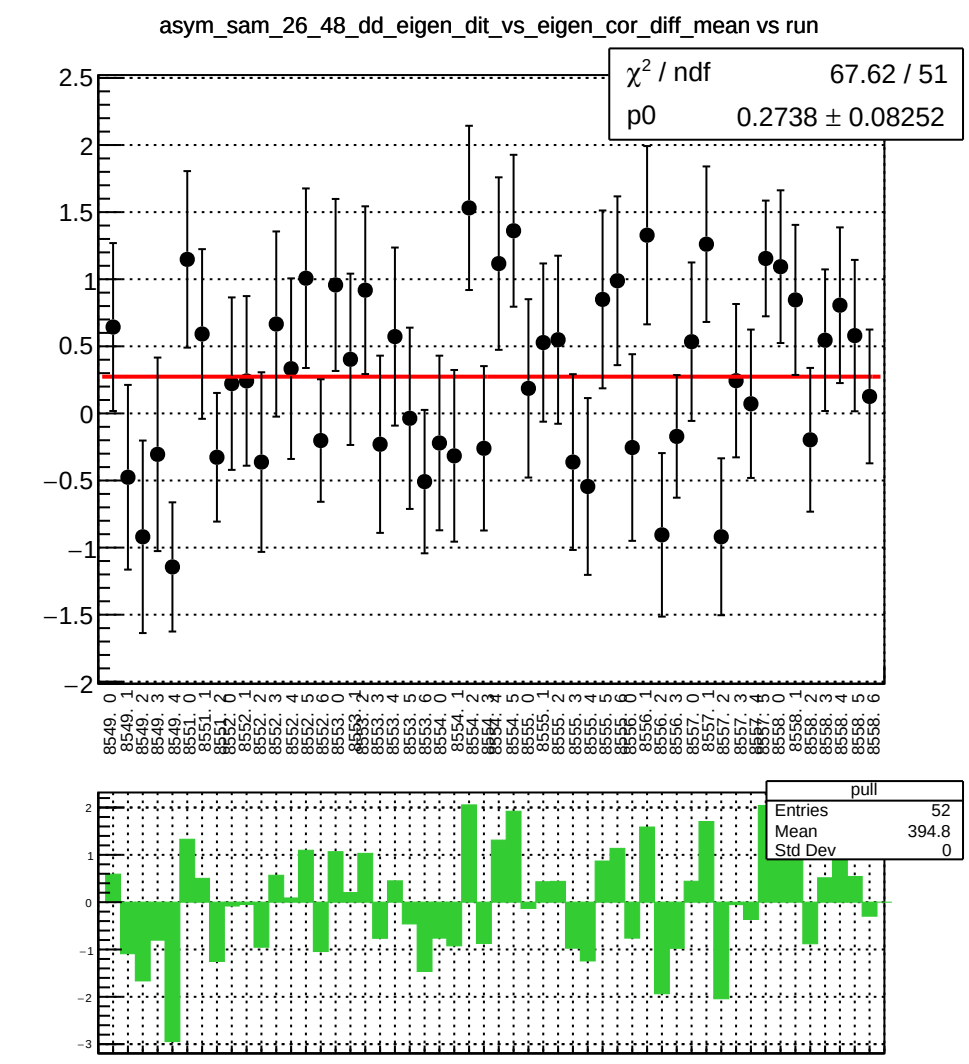
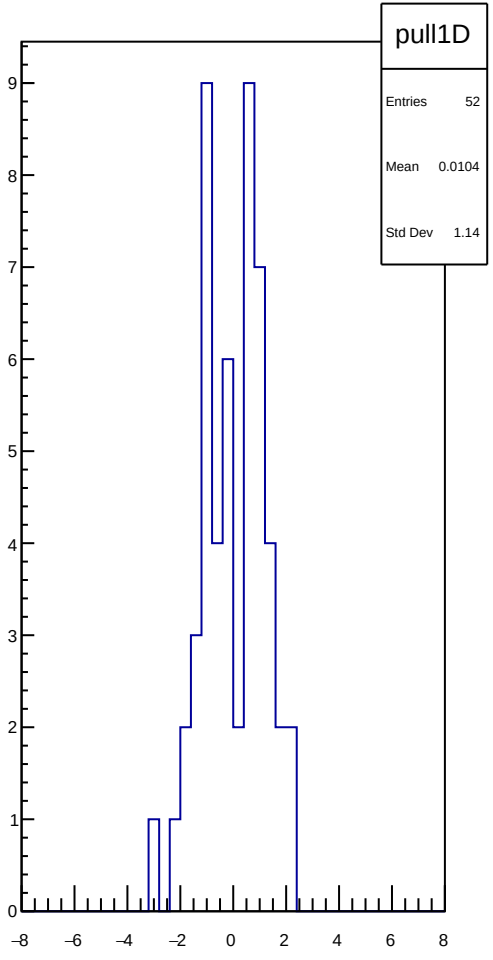
8558. 4
8558. 5
8558. 6

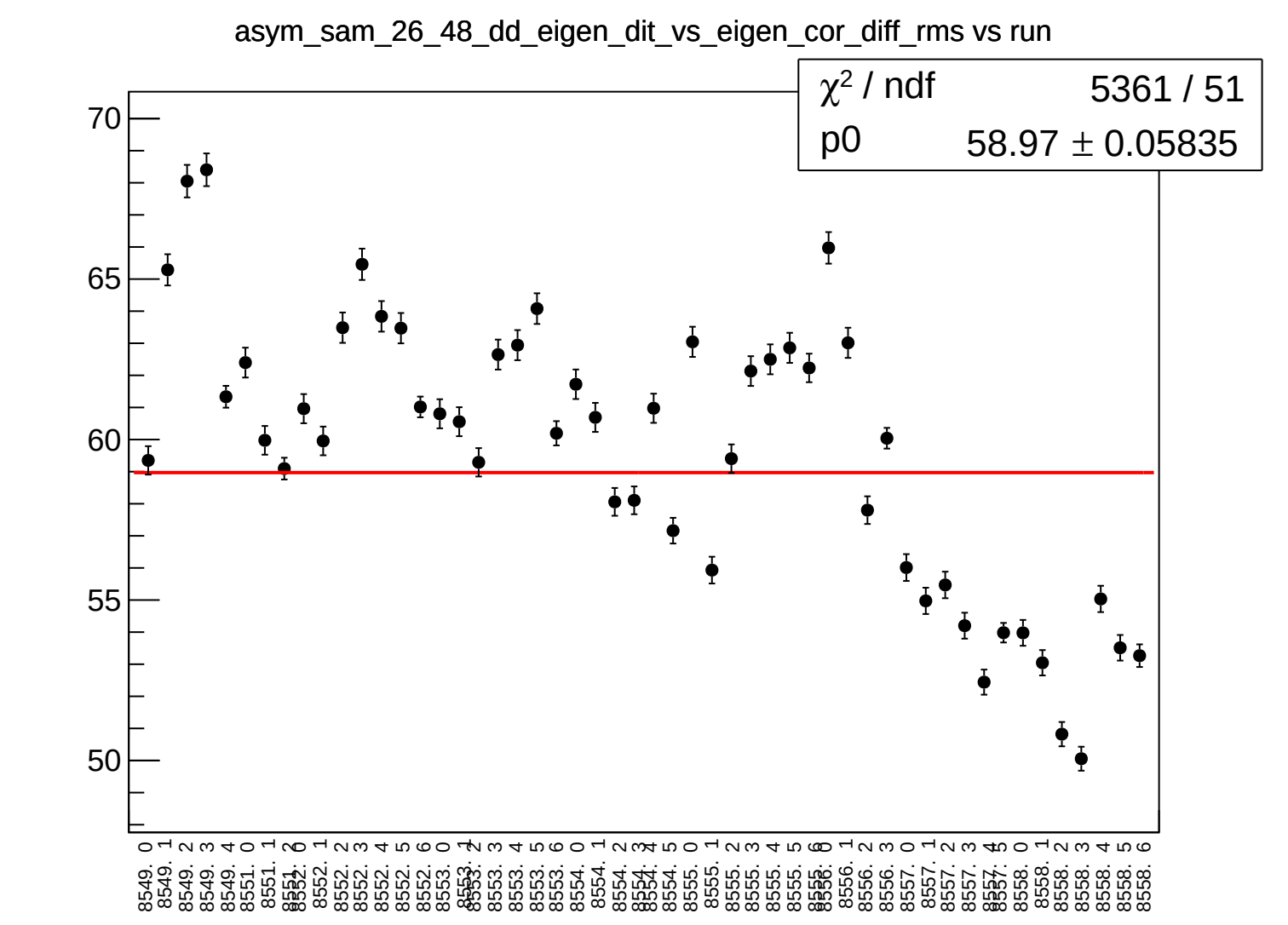

asym_sam_26_48_dd_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 67.62 / 51
p0 0.2738 ± 0.08252
pull
Entries 52
Mean 394.8
Std Dev 0


pull1D
Entries 52
Mean 0.0104
Std Dev 1.14


asym_sam_26_48_dd_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 5361 / 51
p0 58.97 ± 0.05835
70
65
60
55
50
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 5
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6


asym_sam_26_48_dd_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 67.62 / 51
p0 0.2738 ± 0.08252
pull
Entries 52
Mean 394.8
Std Dev 0


pull1D
Entries 52
Mean 0.0104
Std Dev 1.14


asym_sam_26_48_dd_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 5361 / 51
p0 58.97 ± 0.05835
70
65
60
55
50
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
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8558. 0
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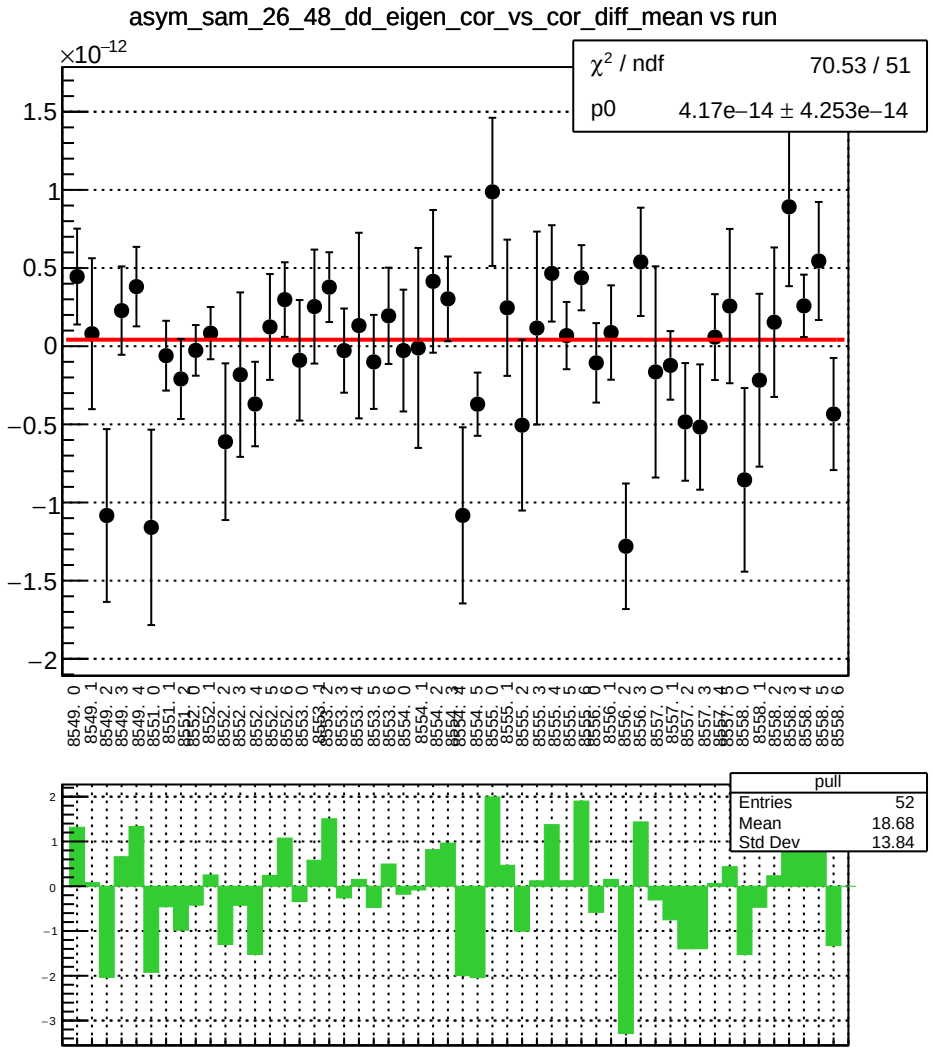
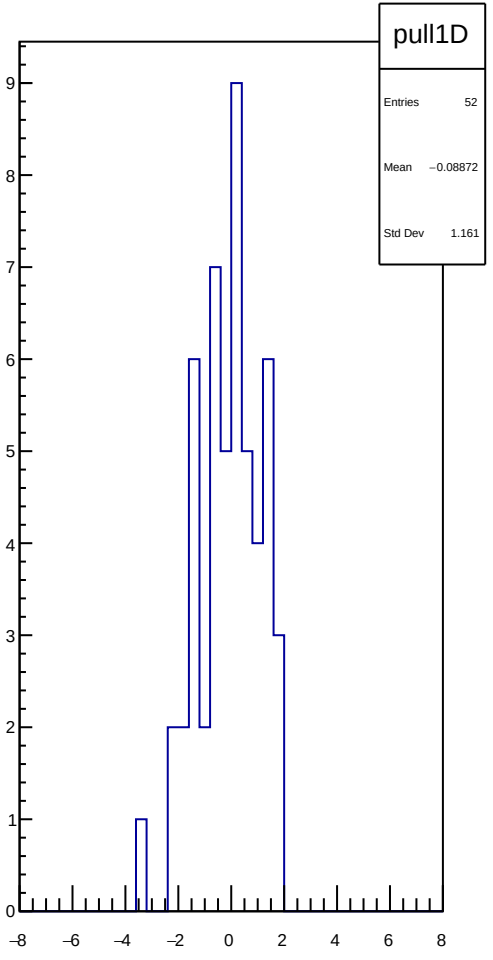
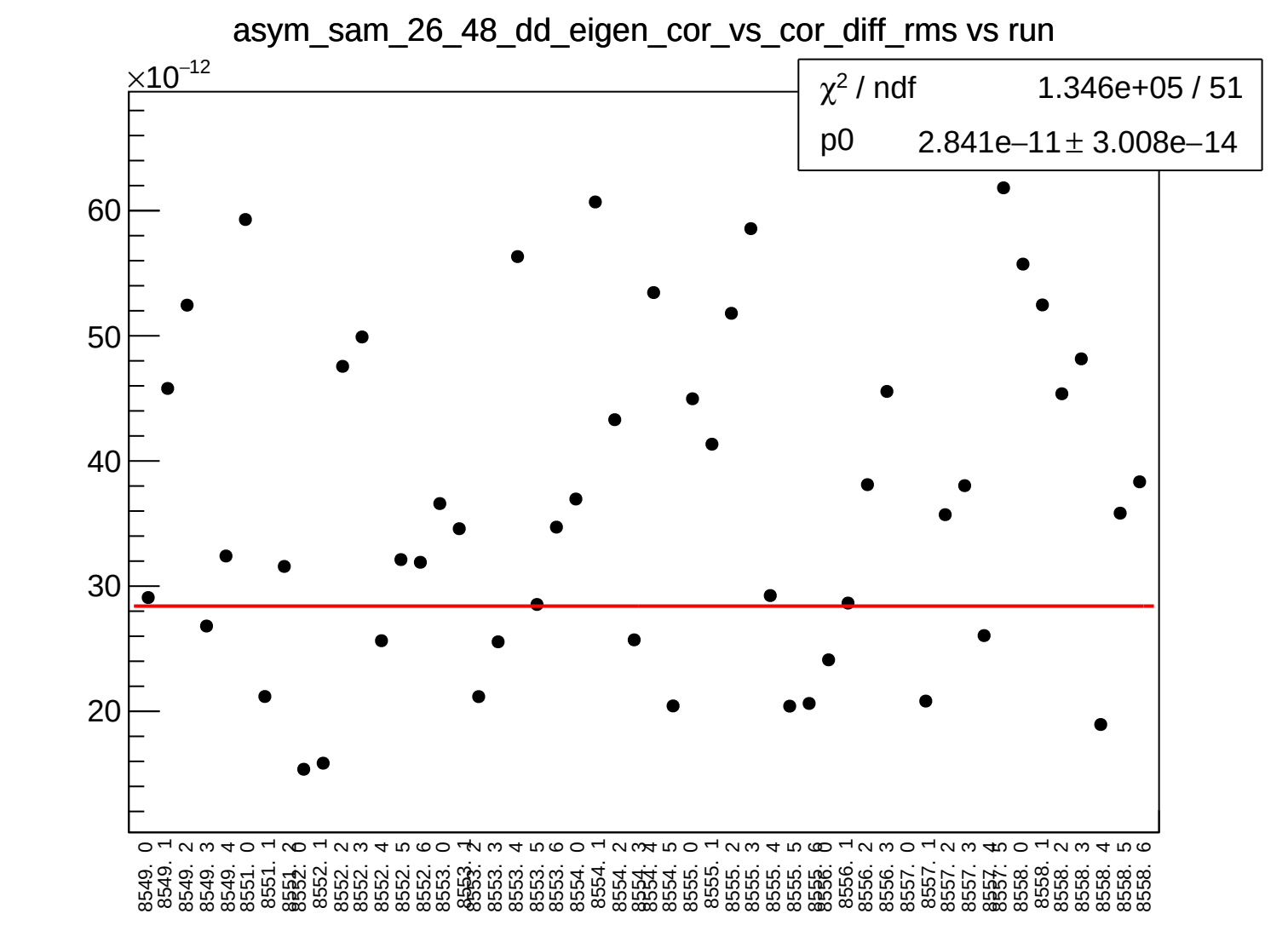
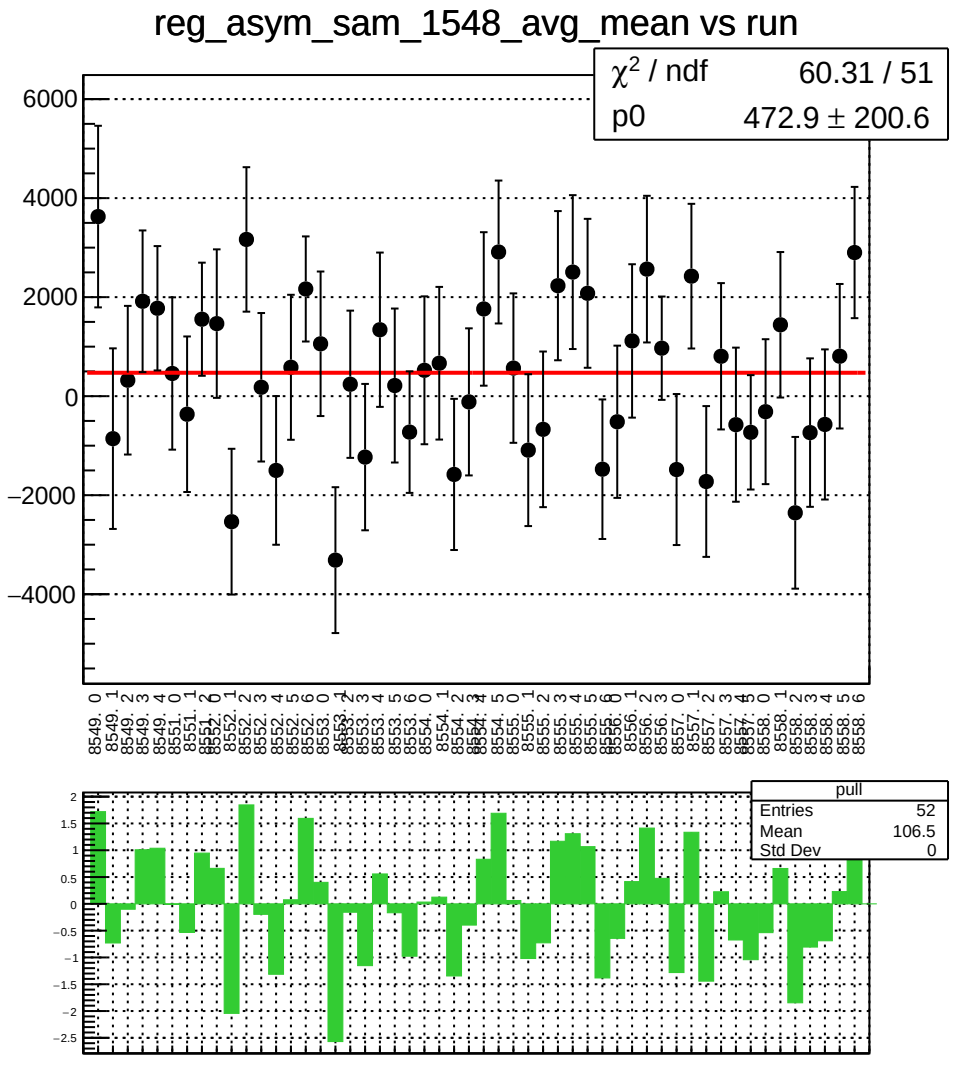
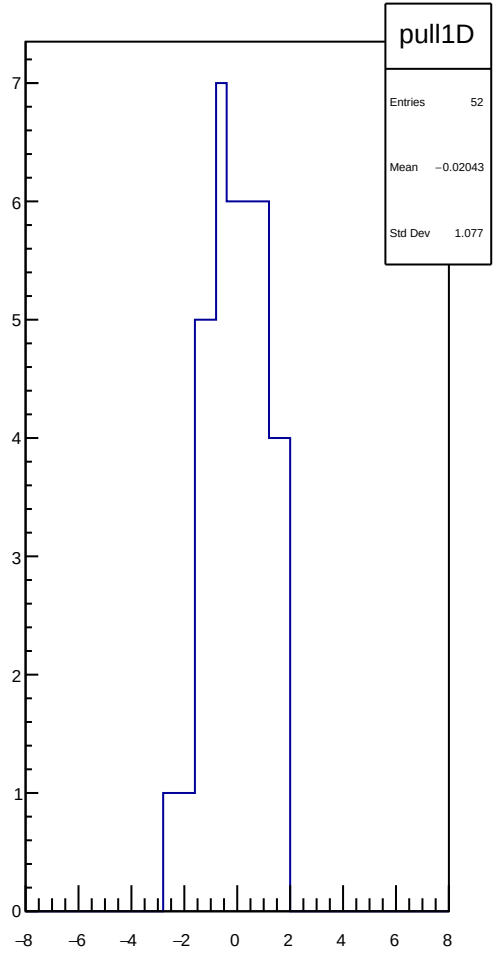
8558. 5
8558. 6

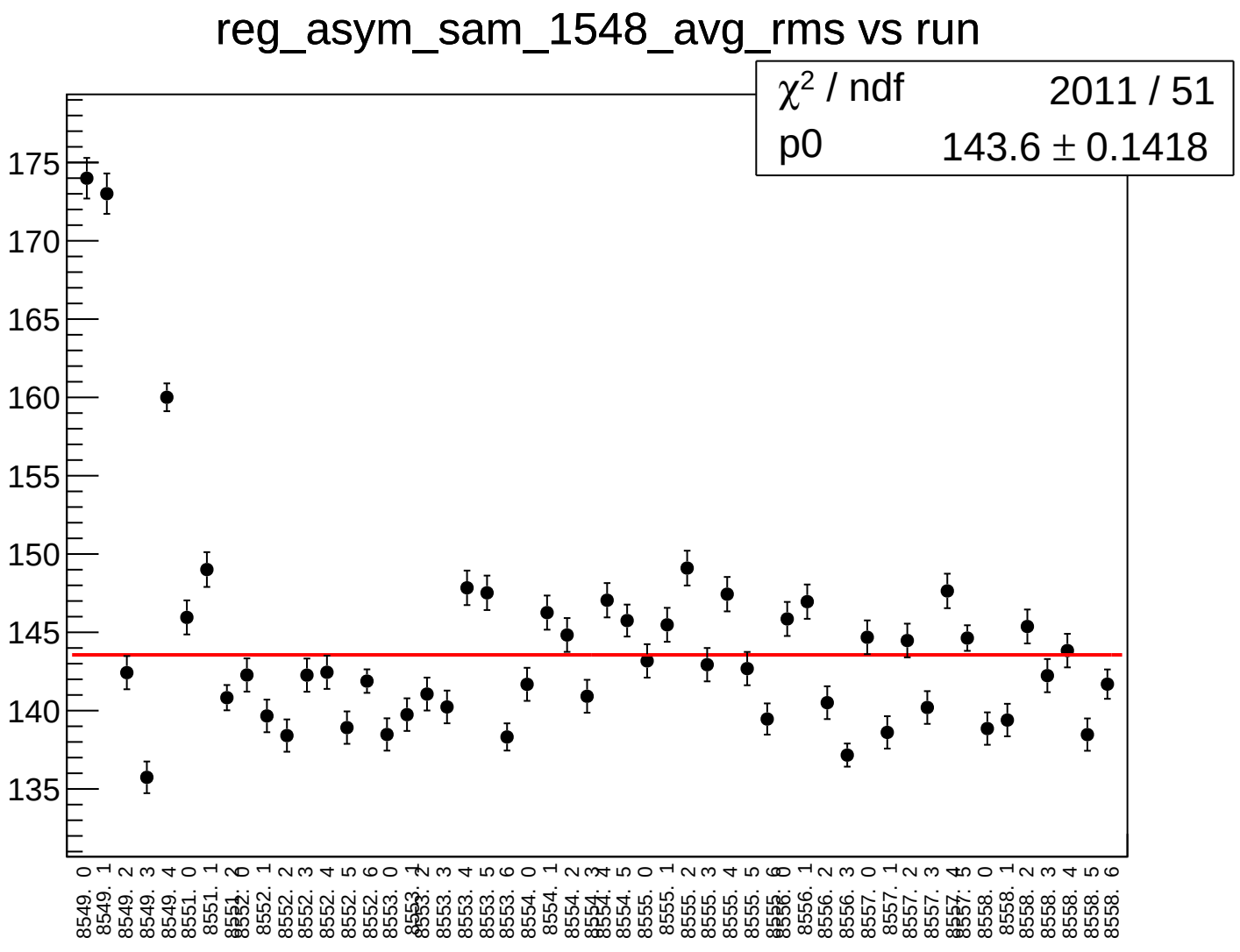

asym_sam_26_48_dd_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 70.53 / 51
p0 4.17e−14 ± 4.253e−14
pull
Entries 52
Mean 18.68
Std Dev 13.84

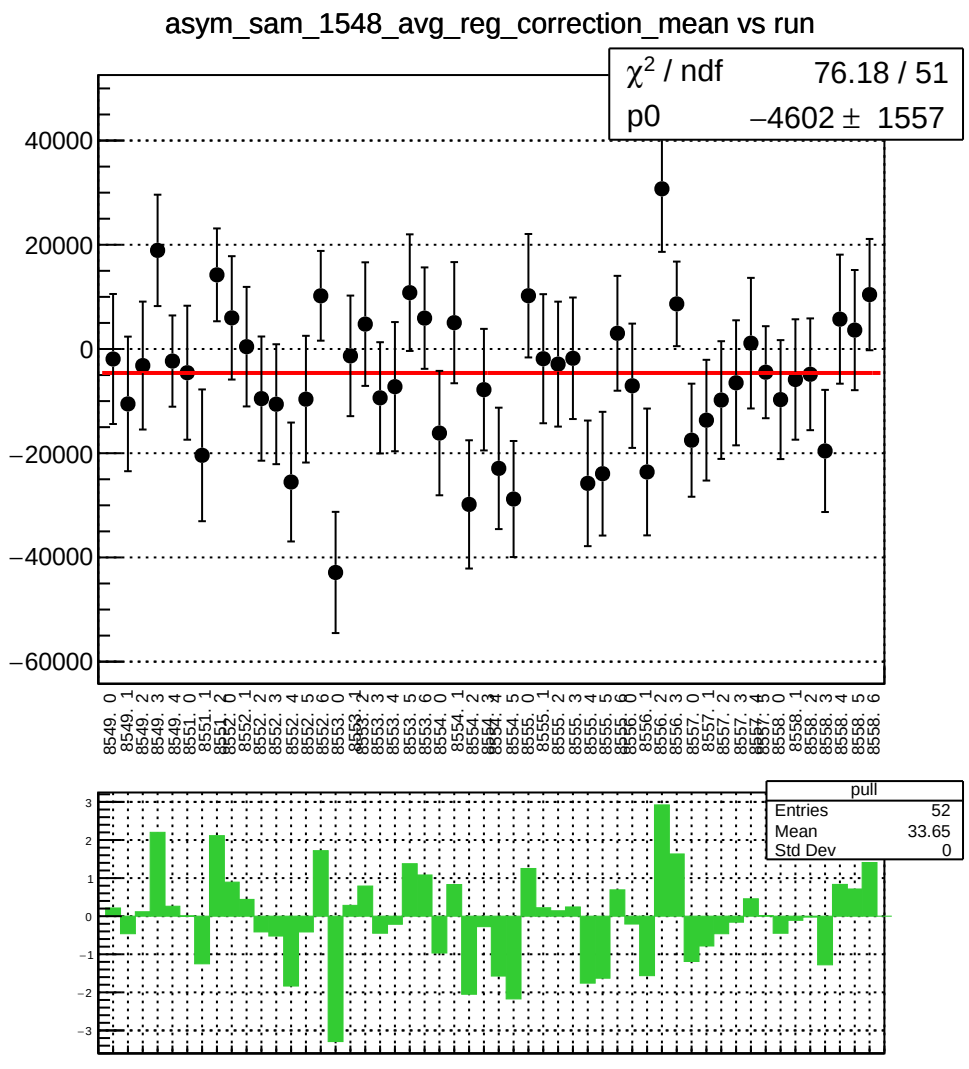

pull1D
Entries 52
Mean −0.08872
Std Dev 1.161

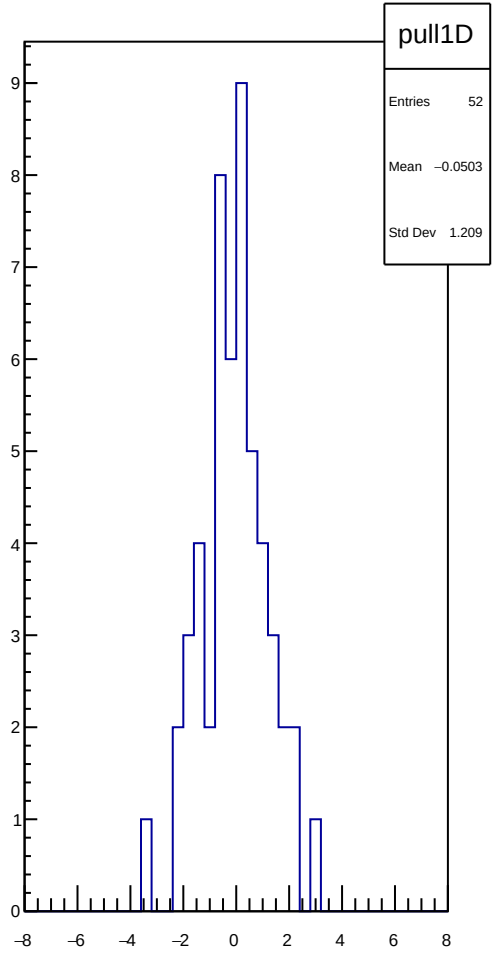

asym_sam_26_48_dd_eigen_cor_vs_cor_diff_rms vs run
×10⁻¹²
χ² / ndf 1.346e+05 / 51
p0 2.841e−11 ± 3.008e−14
60
50
40
30
20
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 5
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

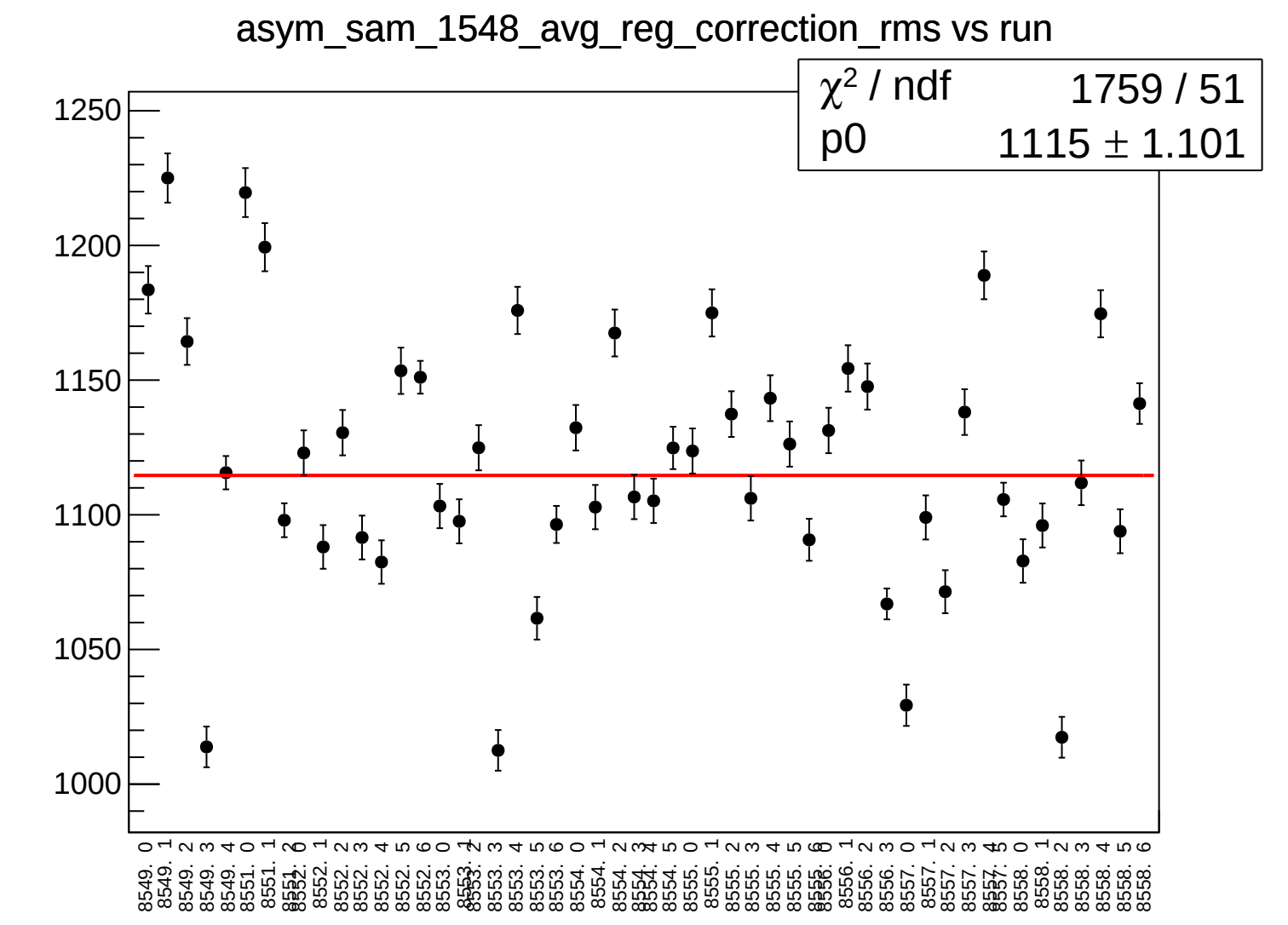

reg_asym_sam_1548_avg_mean vs run
χ² / ndf 60.31 / 51
p0 472.9 ± 200.6
6000
4000
2000
0
−2000
−4000
pull
Entries 52
Mean 106.5
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

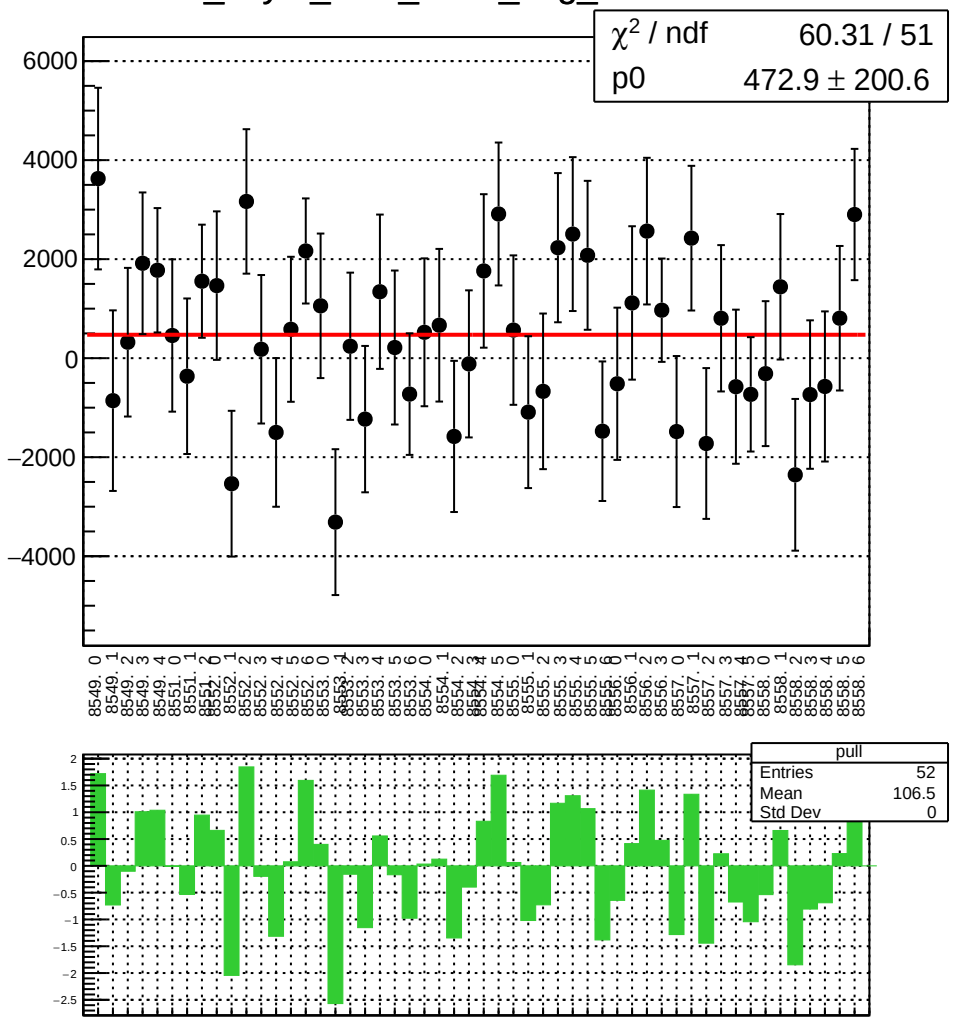

pull1D
Entries 52
Mean −0.02043
Std Dev 1.077
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

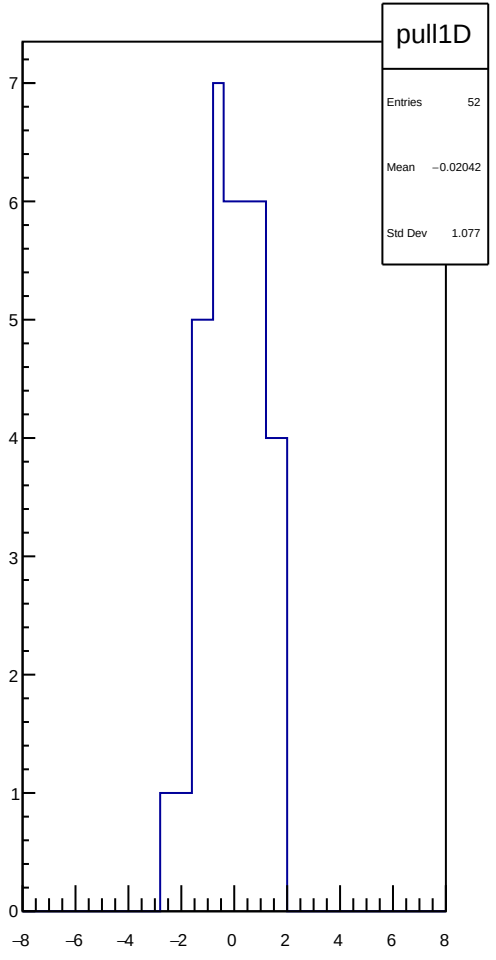

reg_asym_sam_1548_avg_rms vs run
χ² / ndf 2011 / 51
p0 143.6 ± 0.1418
175
170
165
160
155
150
145
140
135
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 5
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

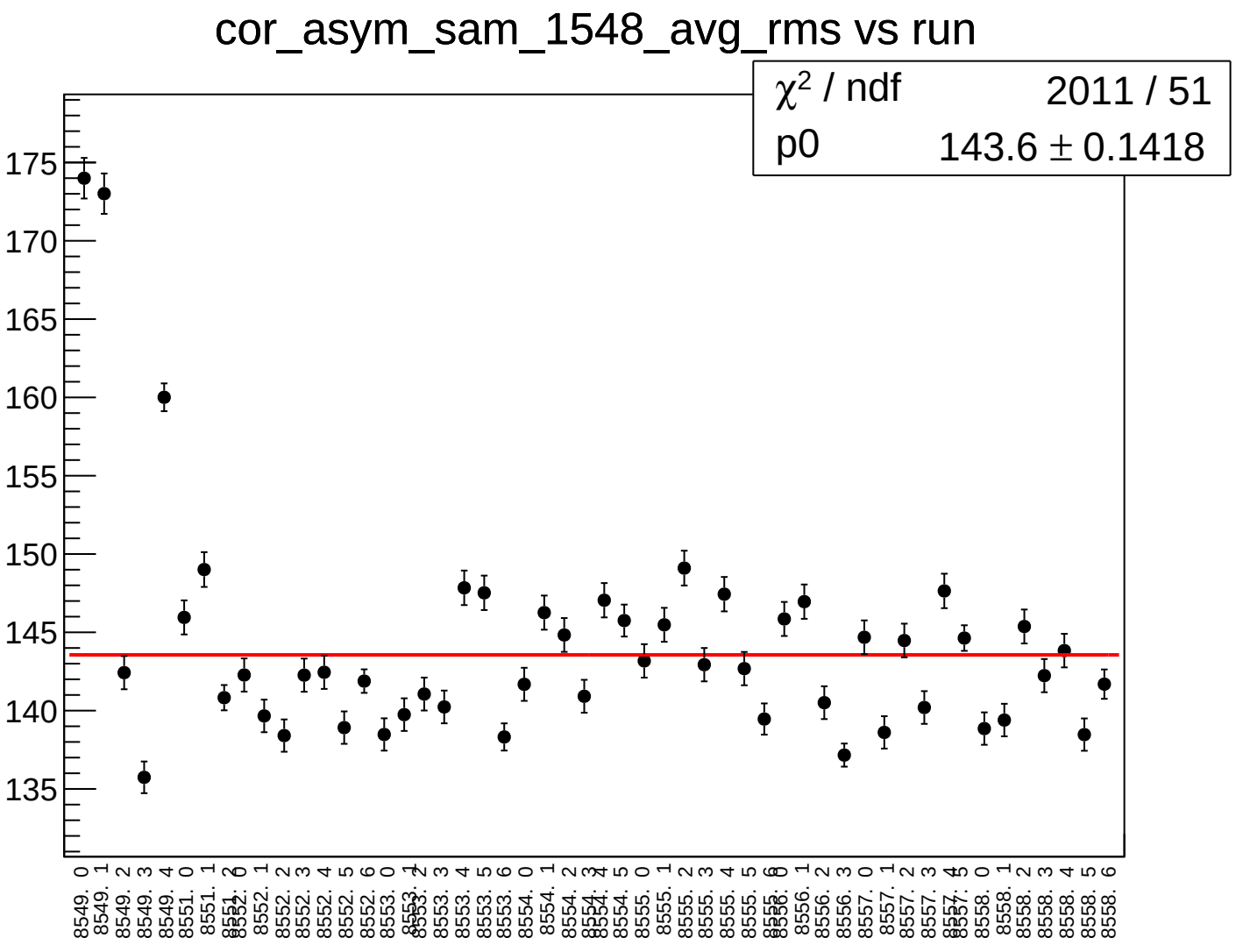

asym_sam_1548_avg_reg_correction_mean vs run
χ² / ndf 76.18 / 51
p0 −4602 ± 1557
40000
20000
0
−20000
−40000
−60000
pull
Entries 52
Mean 33.65
Std Dev 0
3
2
1
0
−1
−2
−3

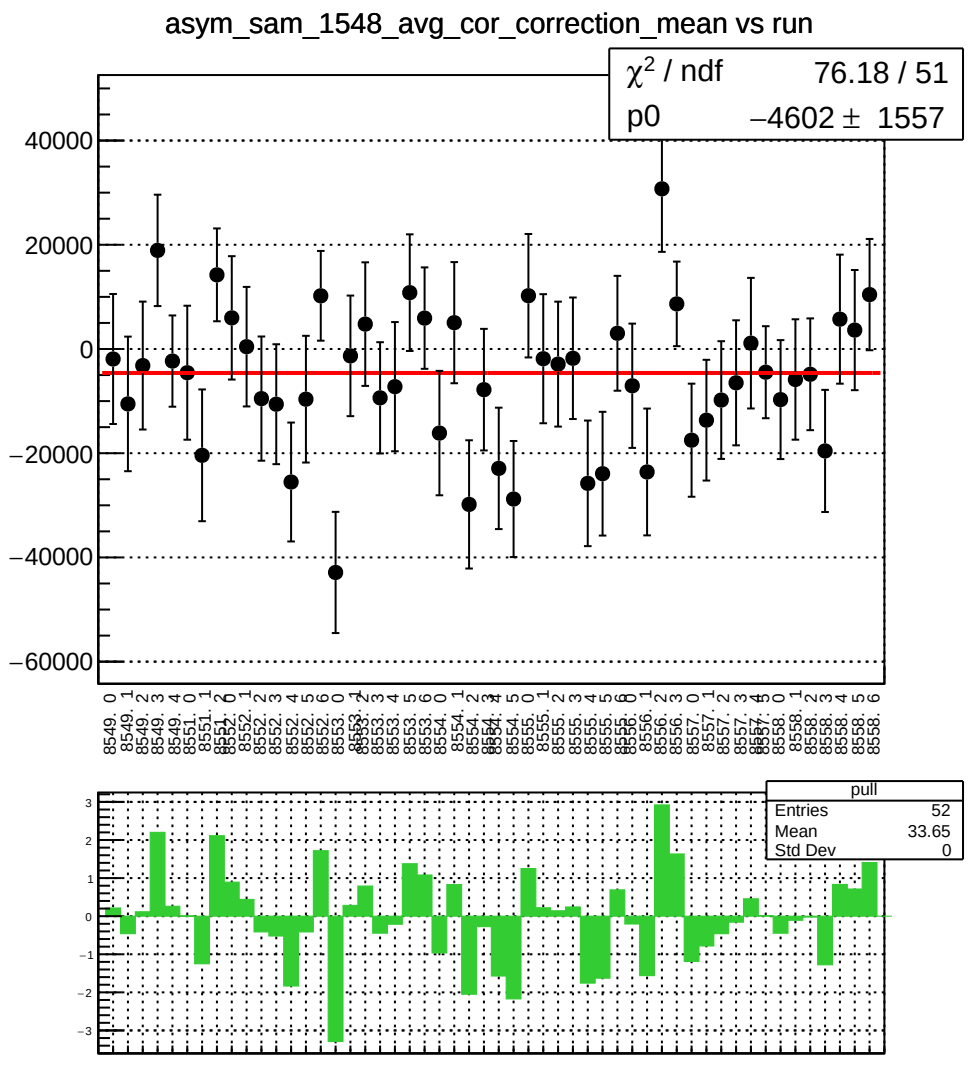

pull1D
Entries 52
Mean −0.0503
Std Dev 1.209
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

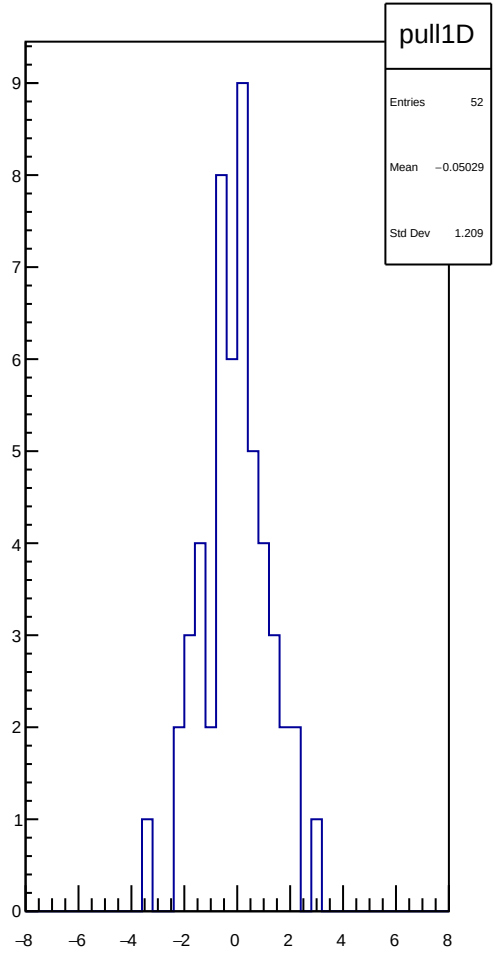

asym_sam_1548_avg_reg_correction_rms vs run
χ² / ndf 1759 / 51
p0 1115 ± 1.101
1250
1200
1150
1100
1050
1000
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 5
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

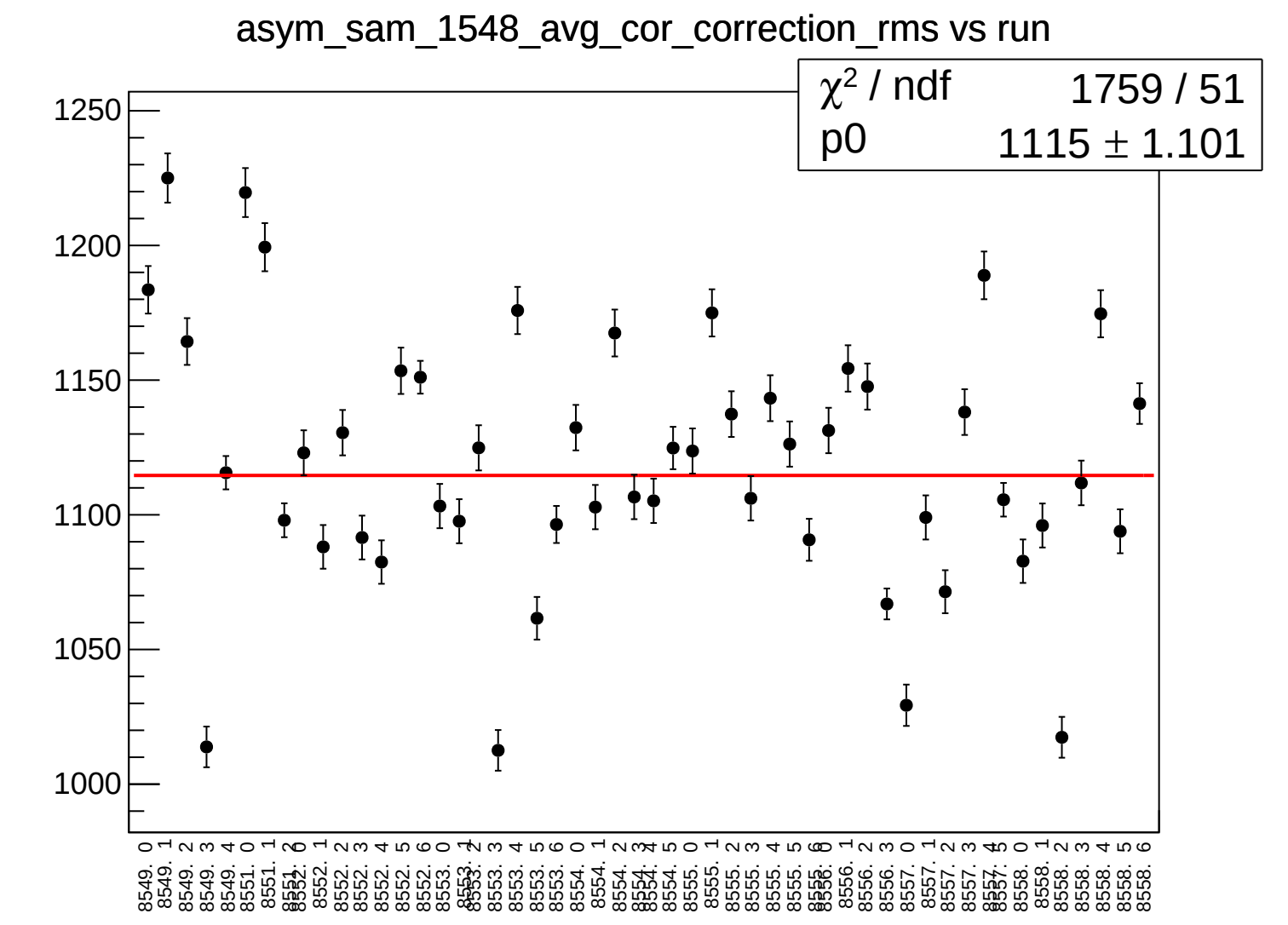

cor_asym_sam_1548_avg_mean vs run
χ² / ndf 60.31 / 51
p0 472.9 ± 200.6
pull
Entries 52
Mean 106.5
Std Dev 0

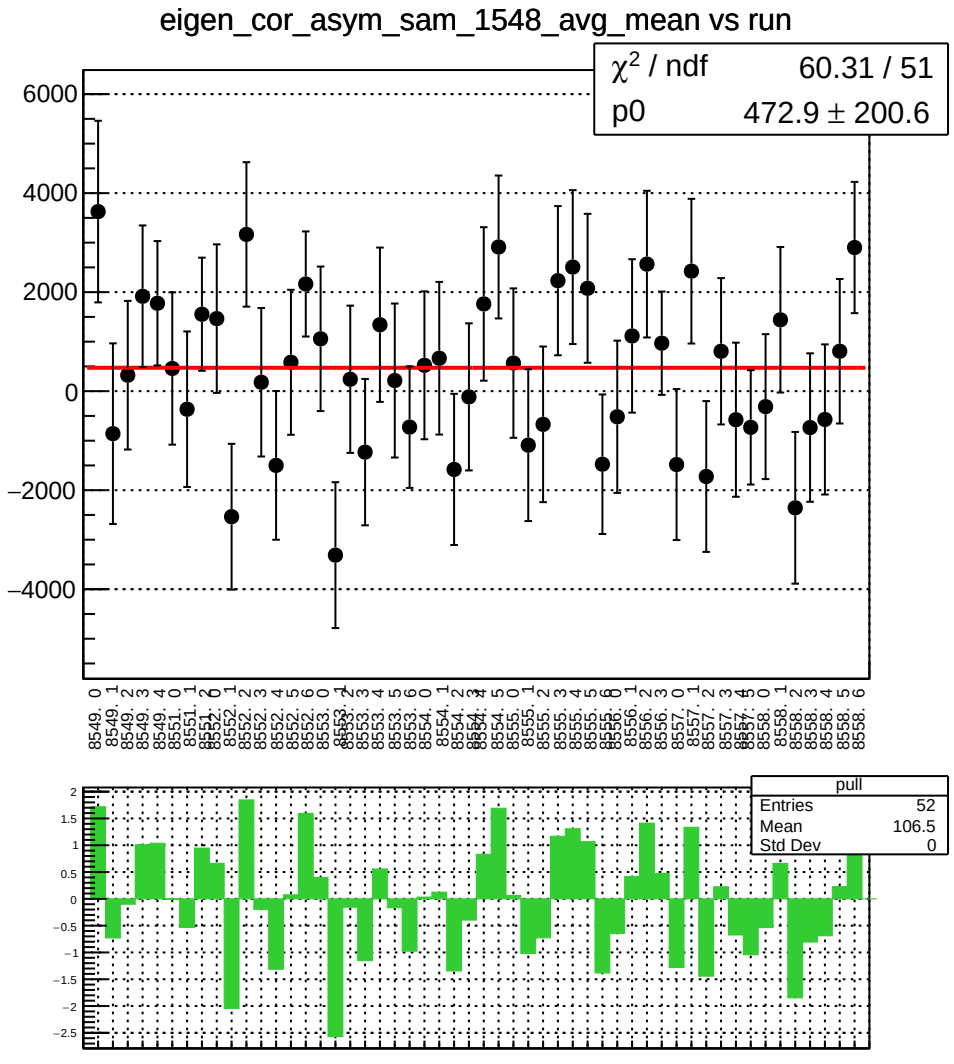

pull1D
Entries 52
Mean −0.02042
Std Dev 1.077

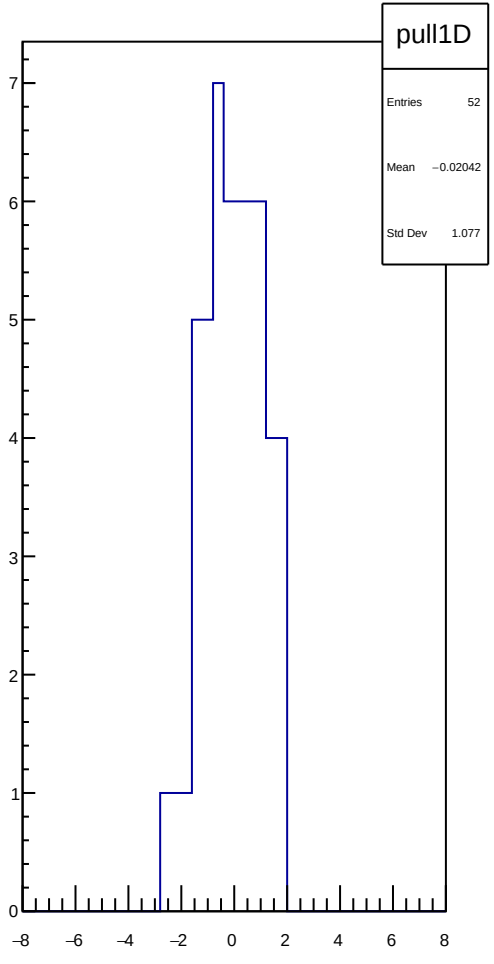

cor_asym_sam_1548_avg_rms vs run
χ² / ndf 2011 / 51
p0 143.6 ± 0.1418
175
170
165
160
155
150
145
140
135
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 5
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

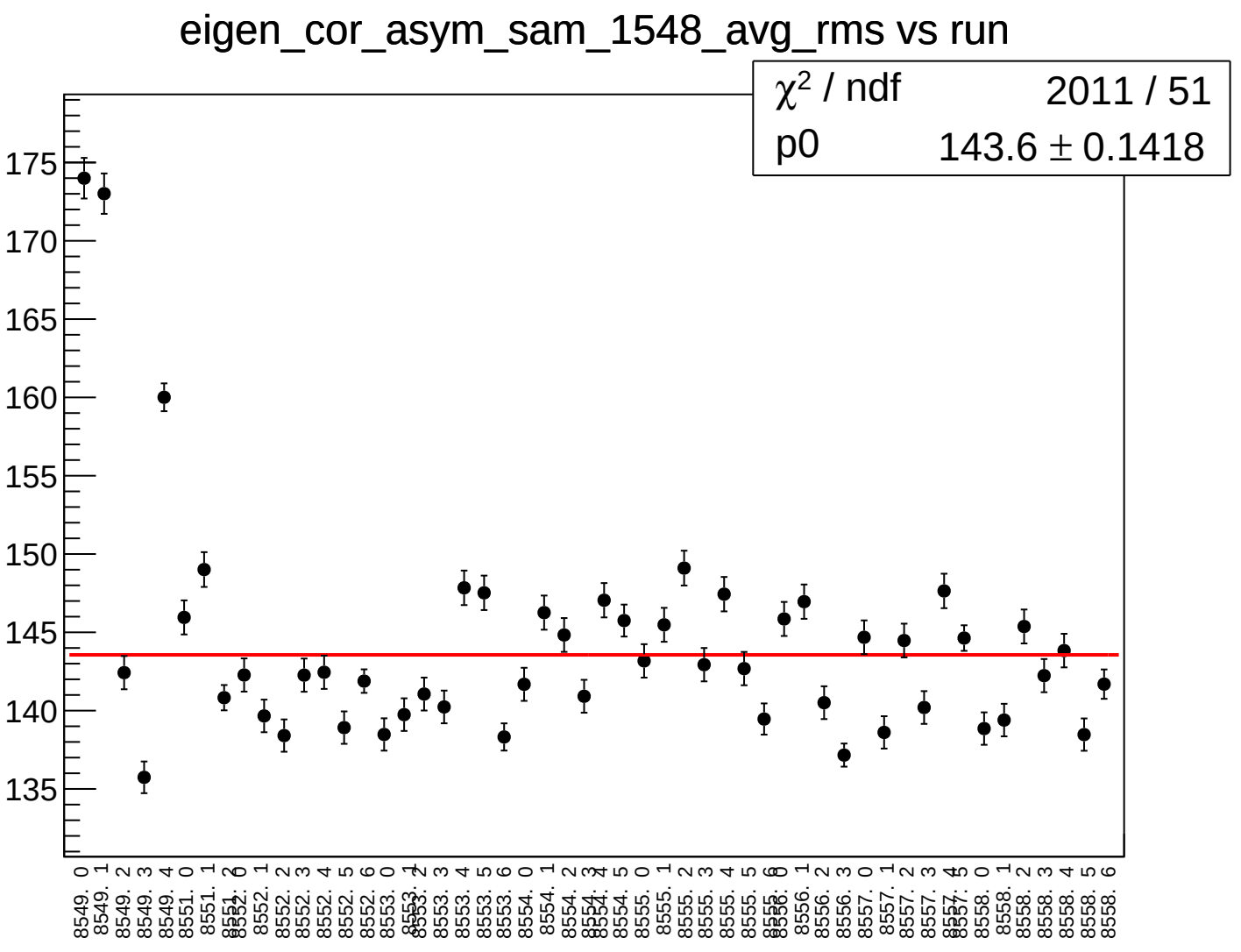

asym_sam_1548_avg_cor_correction_mean vs run
χ² / ndf 76.18 / 51
p0 −4602 ± 1557
40000
20000
0
−20000
−40000
−60000
pull
Entries 52
Mean 33.65
Std Dev 0
3
2
1
0
−1
−2
−3


pull1D
Entries 52
Mean −0.05029
Std Dev 1.209
9
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 1759 / 51
p0 1115 ± 1.101
1250
1200
1150
1100
1050
1000
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 5
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6


eigen_cor_asym_sam_1548_avg_mean vs run
χ² / ndf 60.31 / 51
p0 472.9 ± 200.6
pull
Entries 52
Mean 106.5
Std Dev 0


pull1D
Entries 52
Mean −0.02042
Std Dev 1.077


eigen_cor_asym_sam_1548_avg_rms vs run
χ² / ndf 2011 / 51
p0 143.6 ± 0.1418
175
170
165
160
155
150
145
140
135
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
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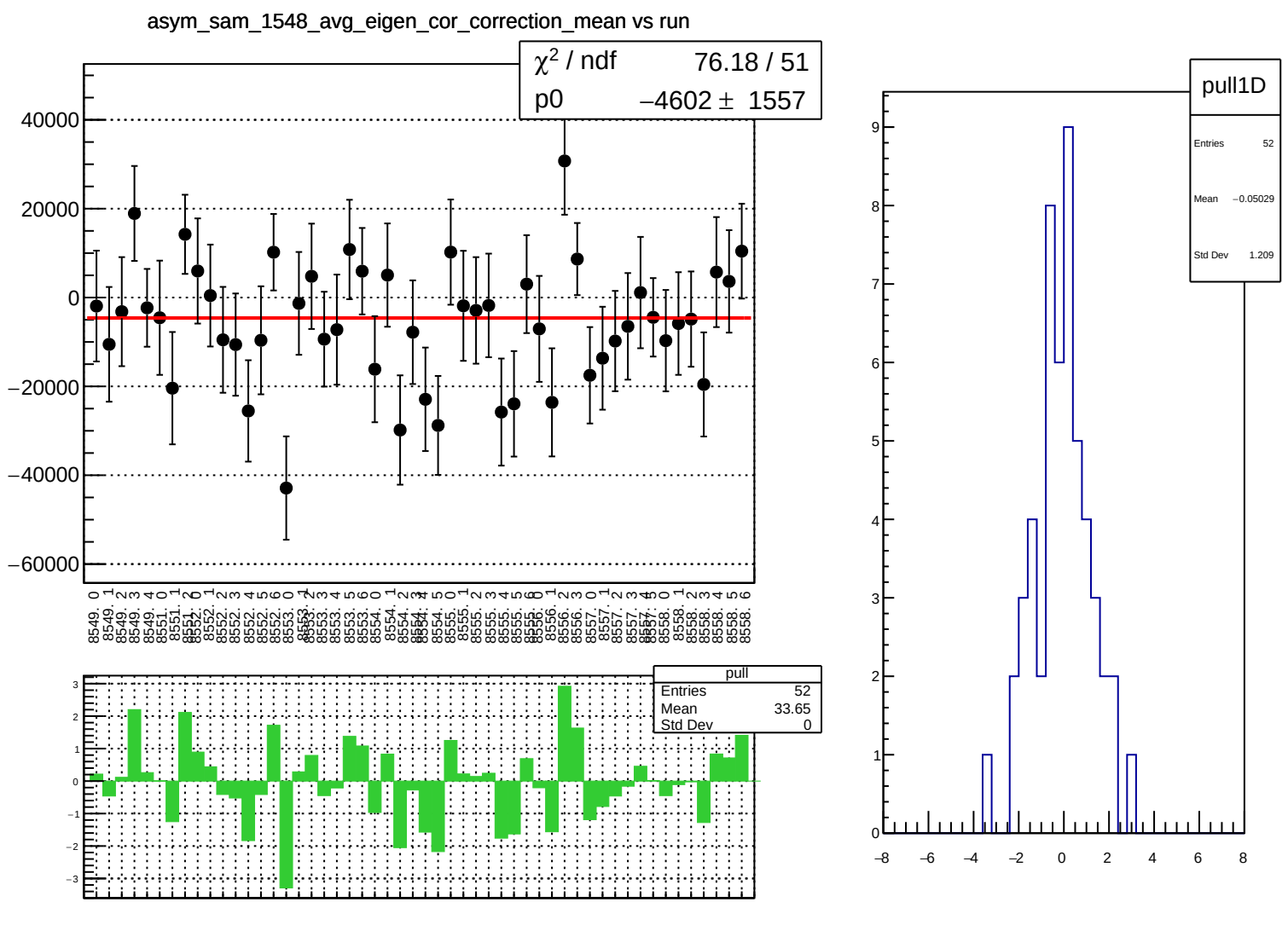
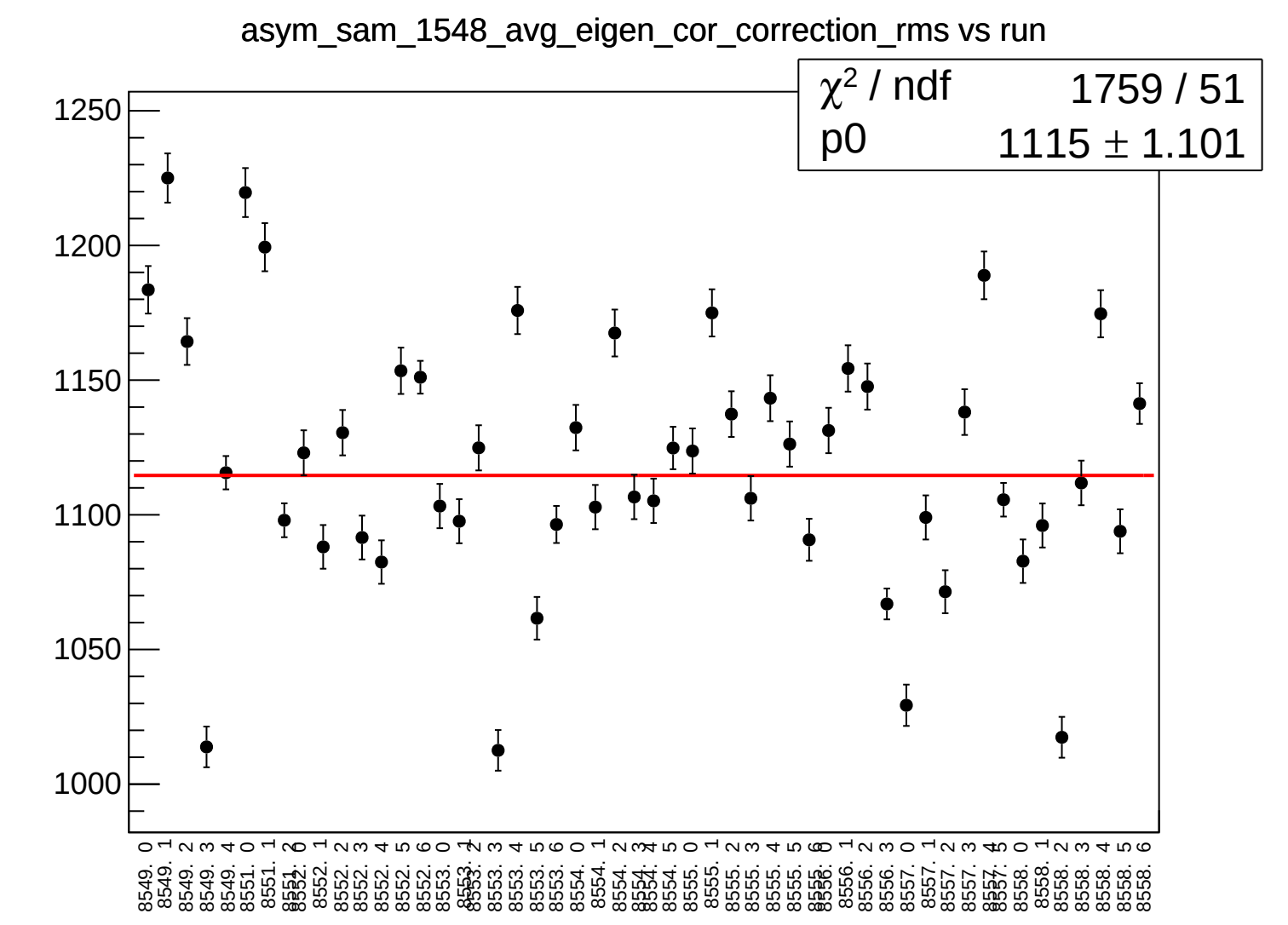
8554. 1
8554. 2
8554. 5
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6


asym_sam_1548_avg_eigen_cor_correction_mean vs run
χ² / ndf 76.18 / 51
p0 −4602 ± 1557
pull
Entries 52
Mean 33.65
Std Dev 0
pull1D
Entries 52
Mean −0.05029
Std Dev 1.209


asym_sam_1548_avg_eigen_cor_correction_rms vs run
χ² / ndf 1759 / 51
p0 1115 ± 1.101
1250
1200
1150
1100
1050
1000
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 5
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
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8556. 1
8556. 2
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8557. 0
8557. 1
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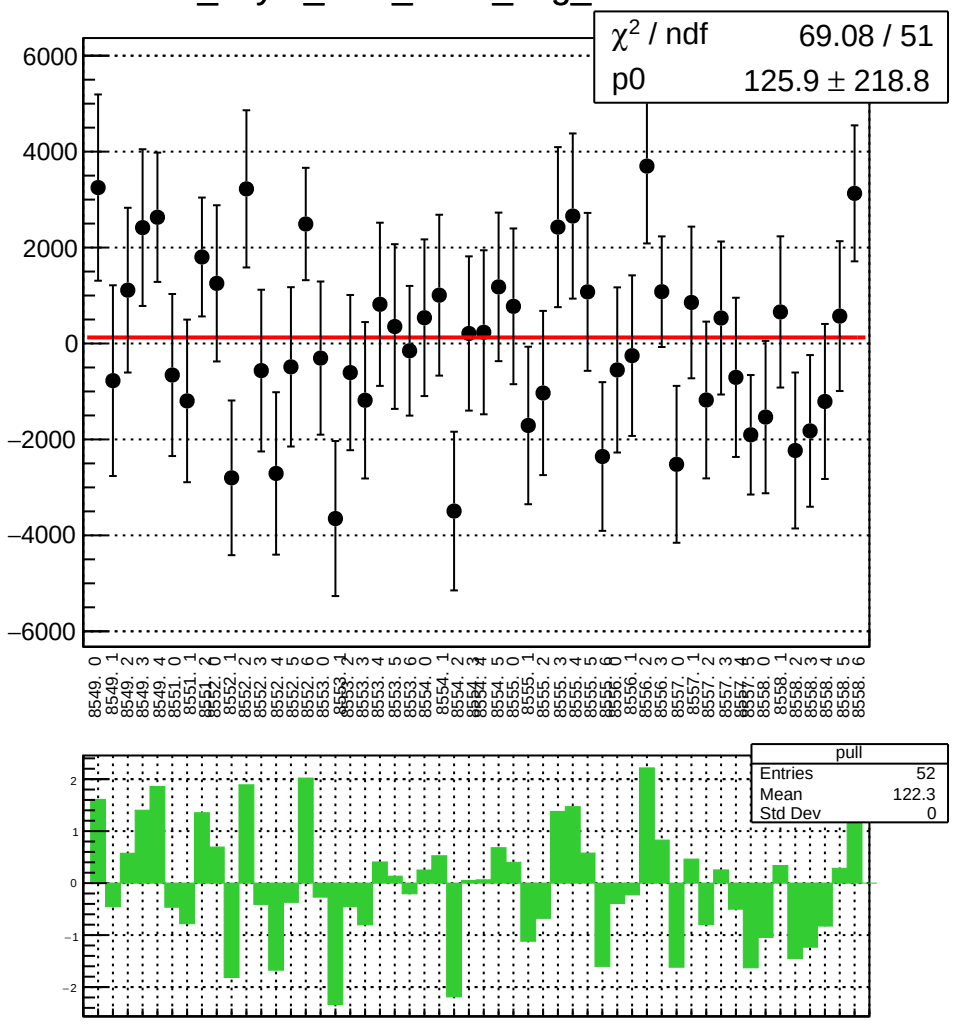
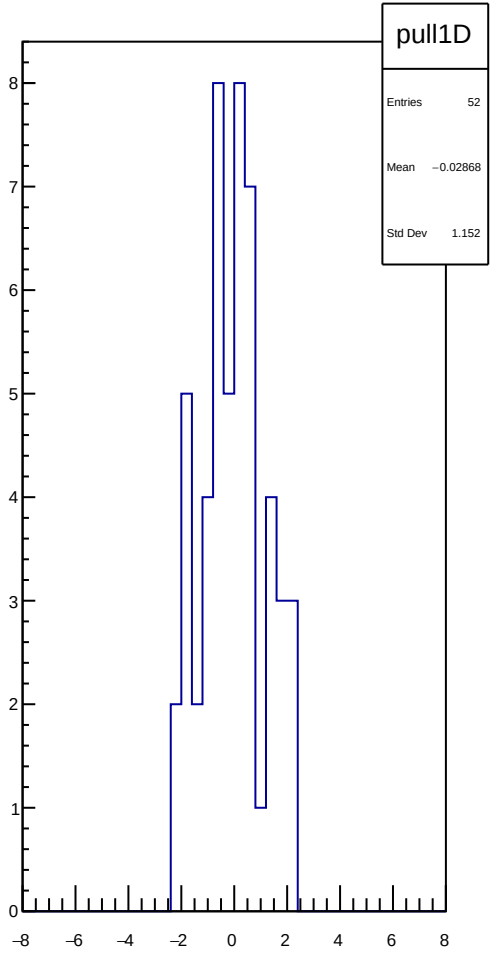
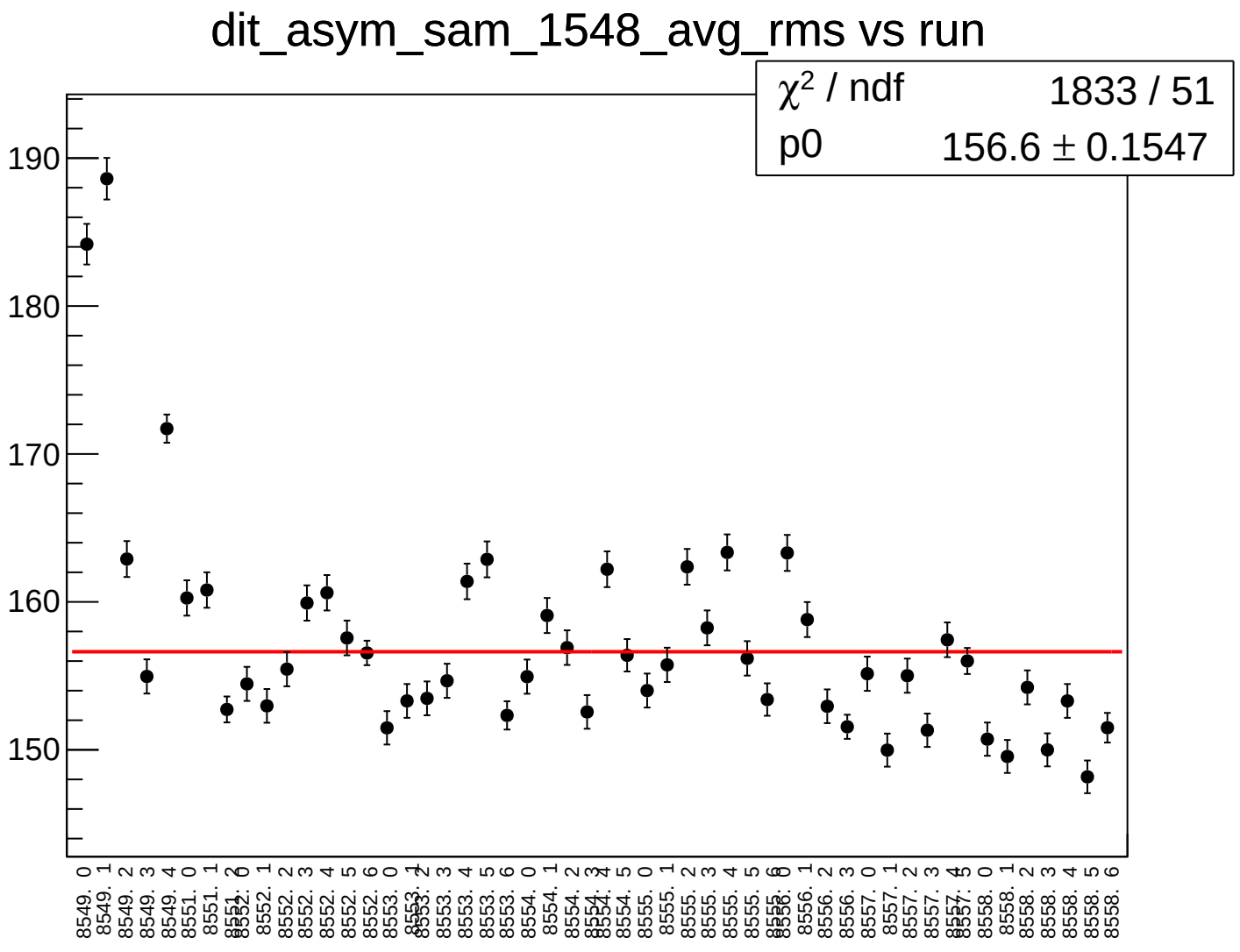
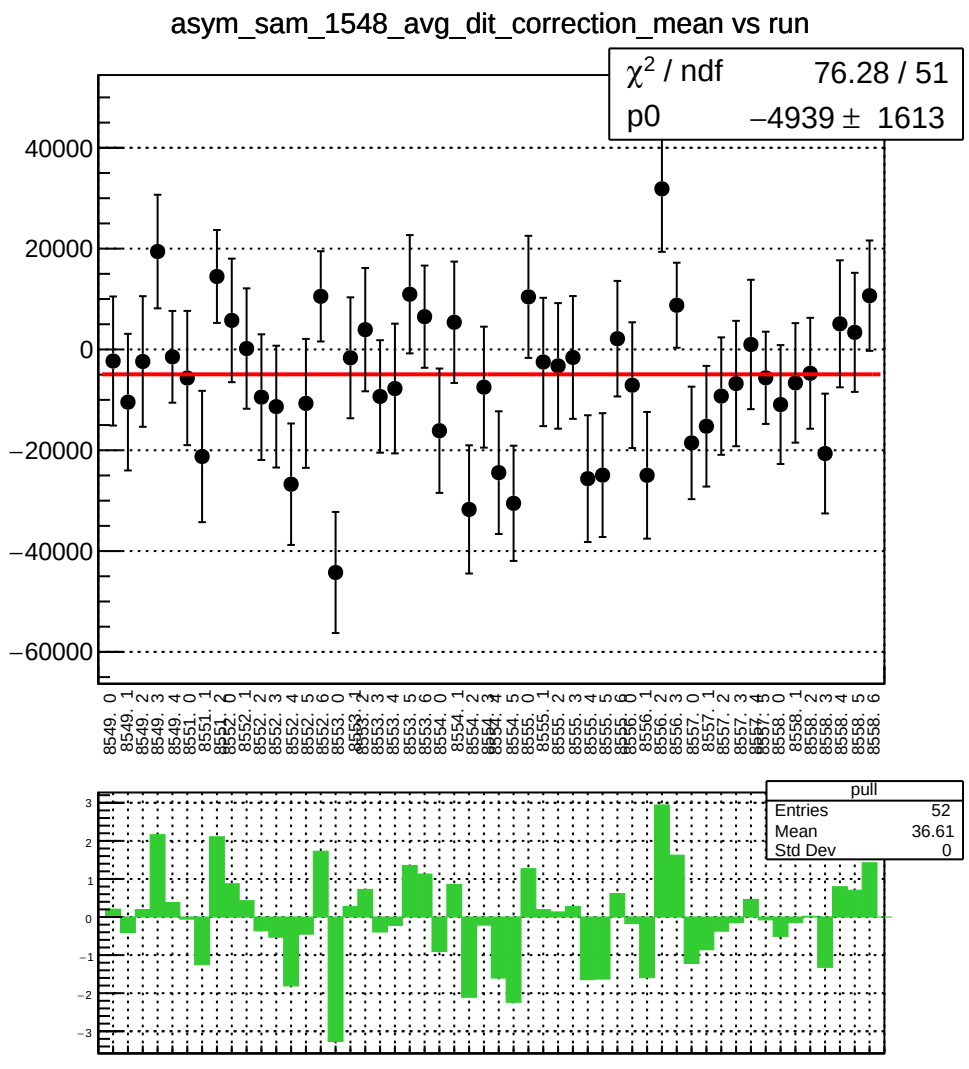
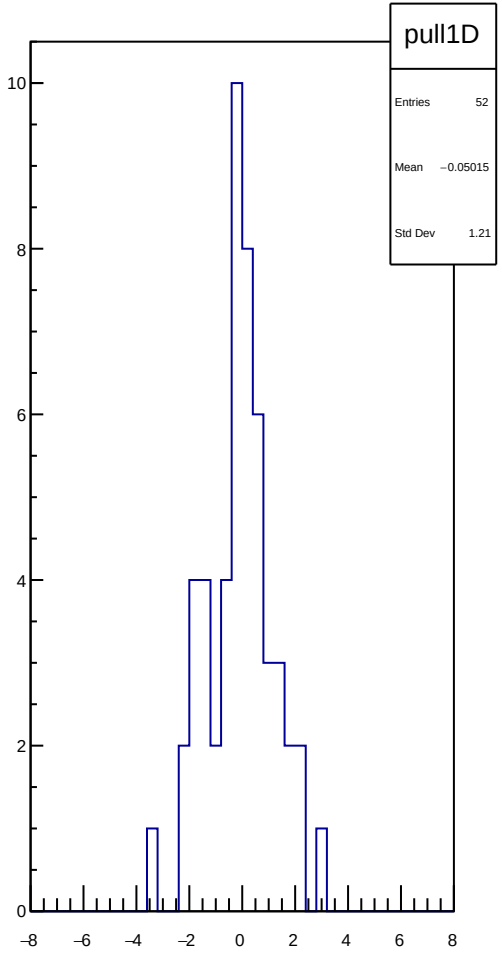
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

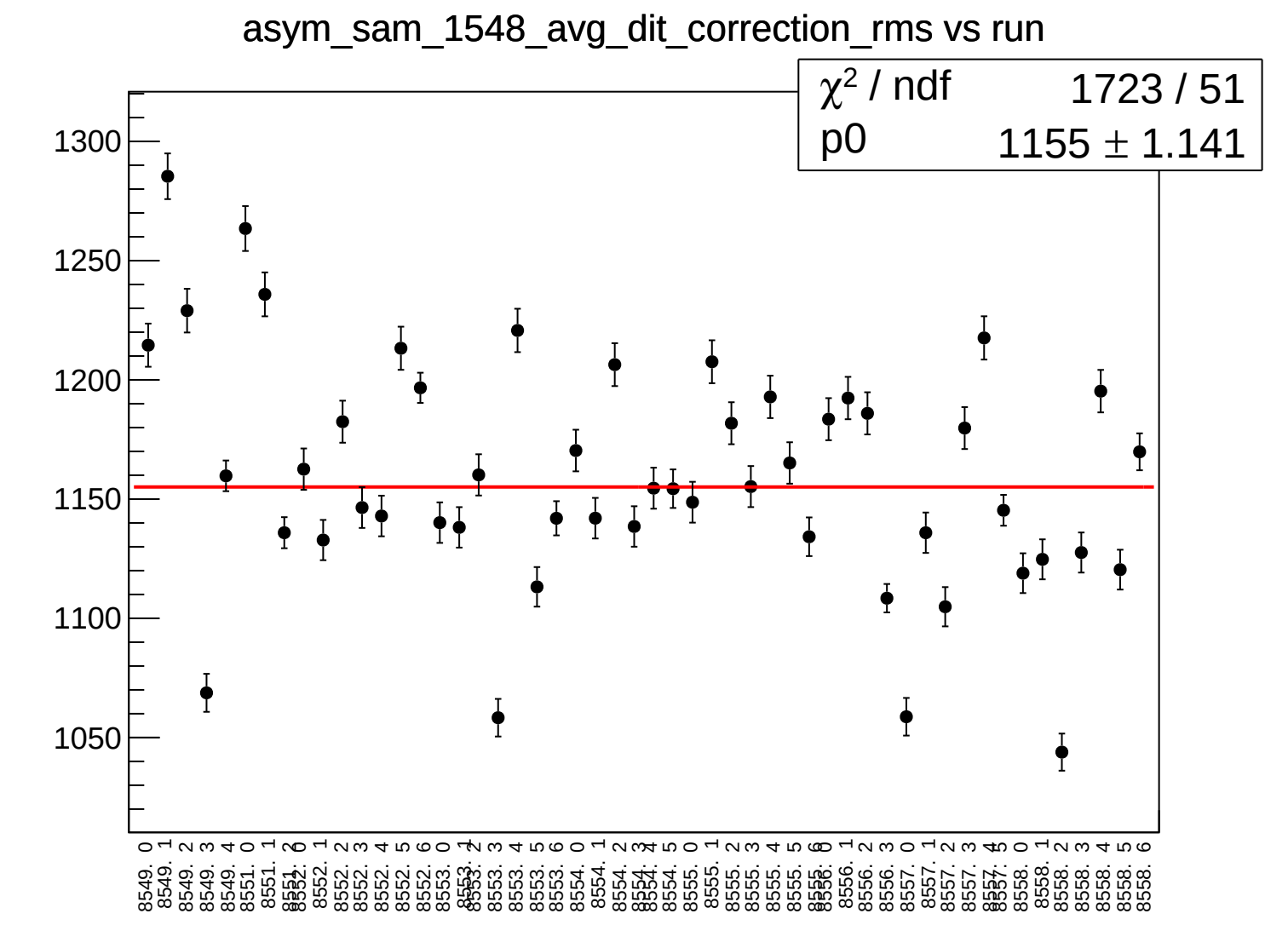

dit_asym_sam_1548_avg_mean vs run
χ^2 / ndf 69.08 / 51
p0 125.9 ± 218.8
6000
4000
2000
0
−2000
−4000
−6000
pull
Entries 52
Mean 122.3
Std Dev 0
2
1
0
−1
−2

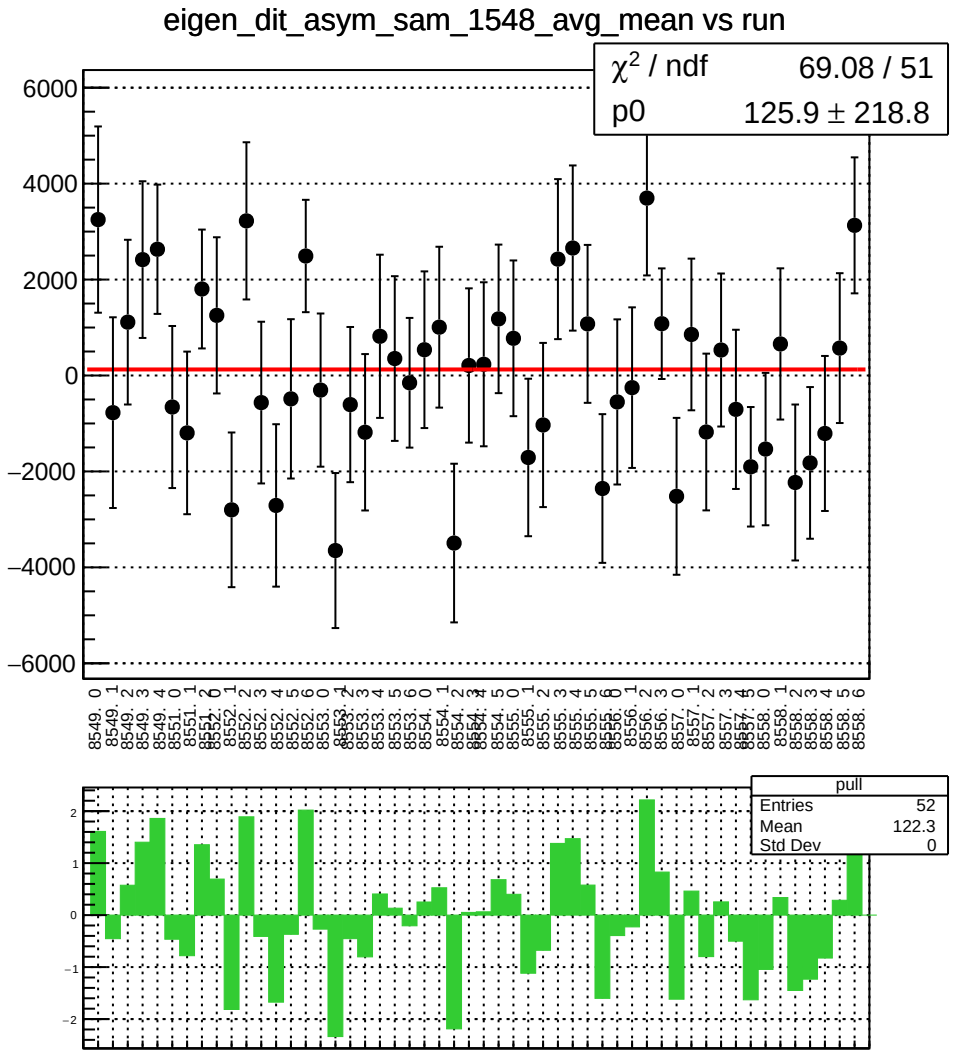

pull1D
Entries 52
Mean −0.02868
Std Dev 1.152
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

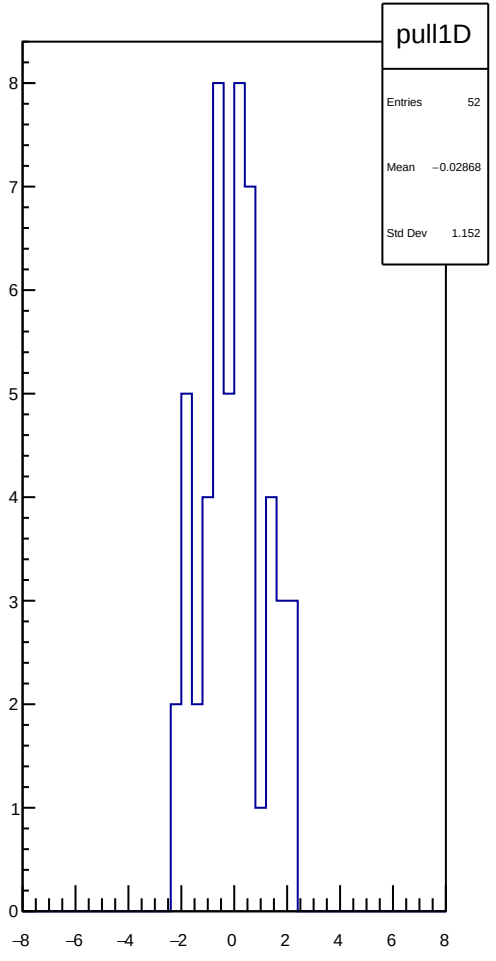

dit_asym_sam_1548_avg_rms vs run
χ² / ndf 1833 / 51
p0 156.6 ± 0.1547
190
180
170
160
150
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 5
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

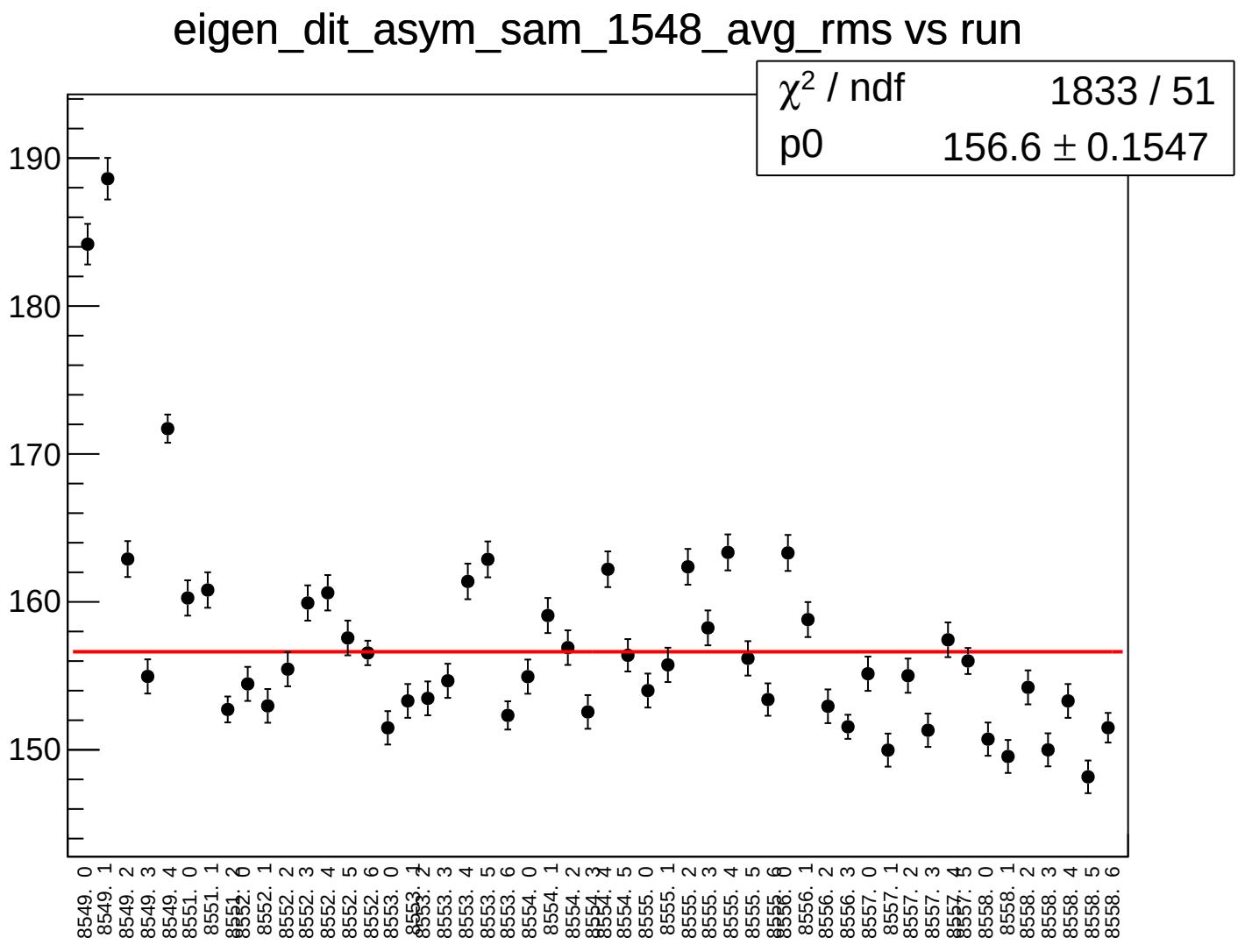

asym_sam_1548_avg_dit_correction_mean vs run
χ² / ndf 76.28 / 51
p0 −4939 ± 1613
40000
20000
0
−20000
−40000
−60000
pull
Entries 52
Mean 36.61
Std Dev 0
3
2
1
0
−1
−2
−3

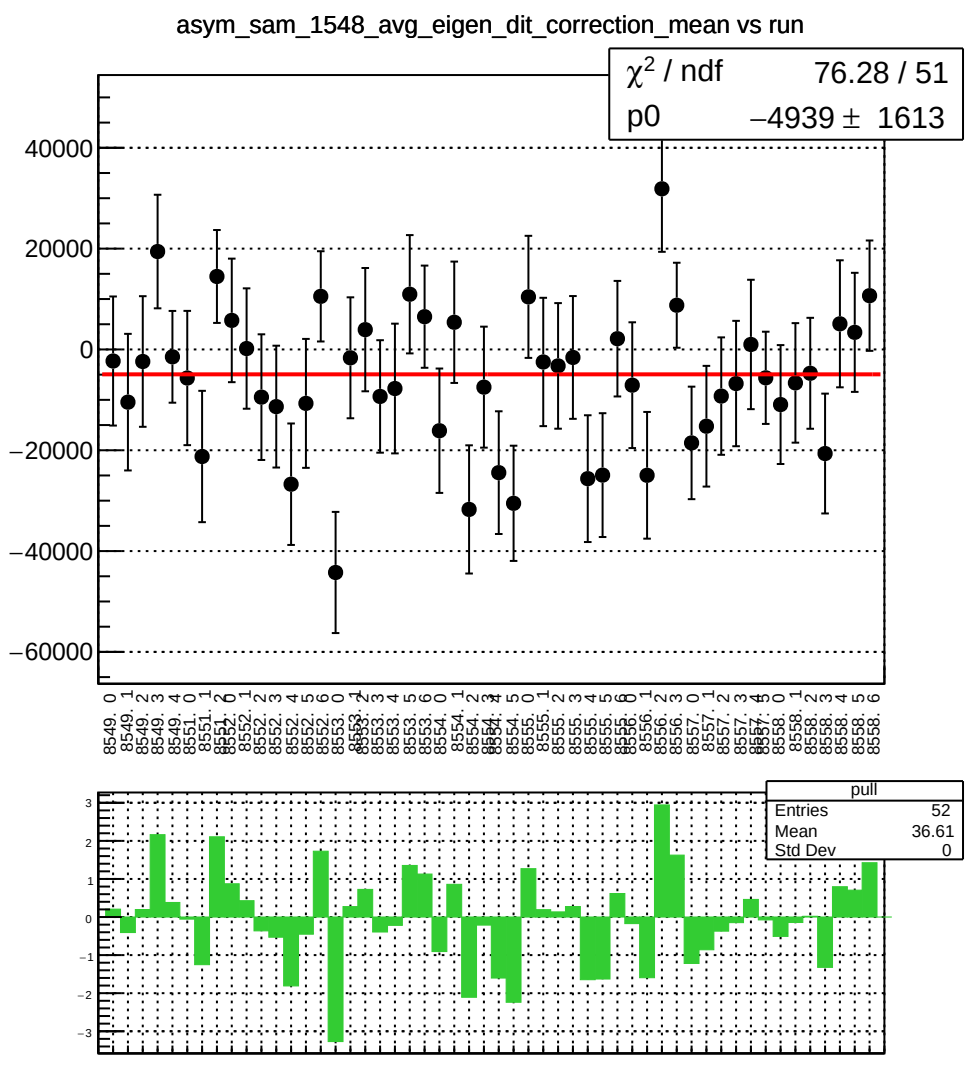

pull1D
Entries 52
Mean −0.05015
Std Dev 1.21
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

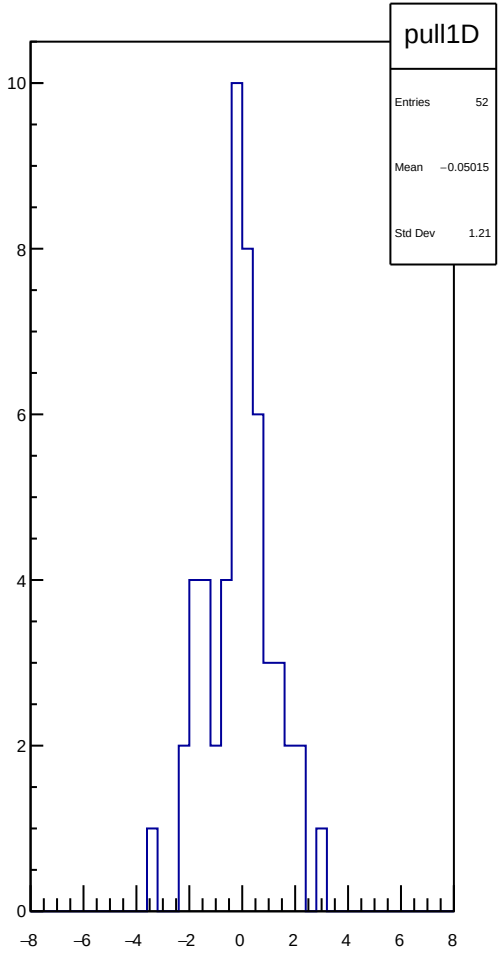

asym_sam_1548_avg_dit_correction_rms vs run
χ² / ndf 1723 / 51
p0 1155 ± 1.141
1300
1250
1200
1150
1100
1050
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

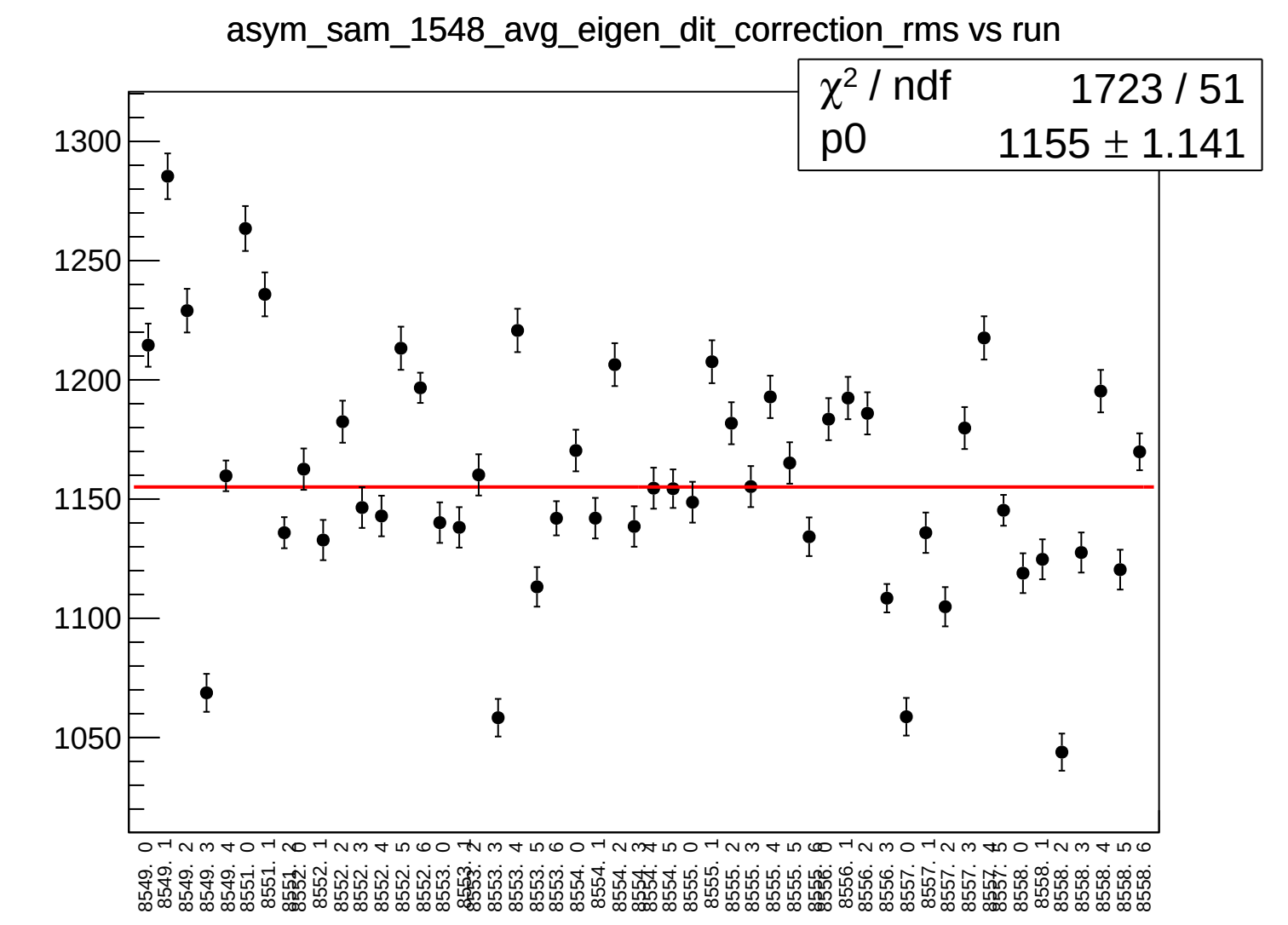

eigen_dit_asym_sam_1548_avg_mean vs run
χ^2 / ndf 69.08 / 51
p0 125.9 ± 218.8
pull
Entries 52
Mean 122.3
Std Dev 0

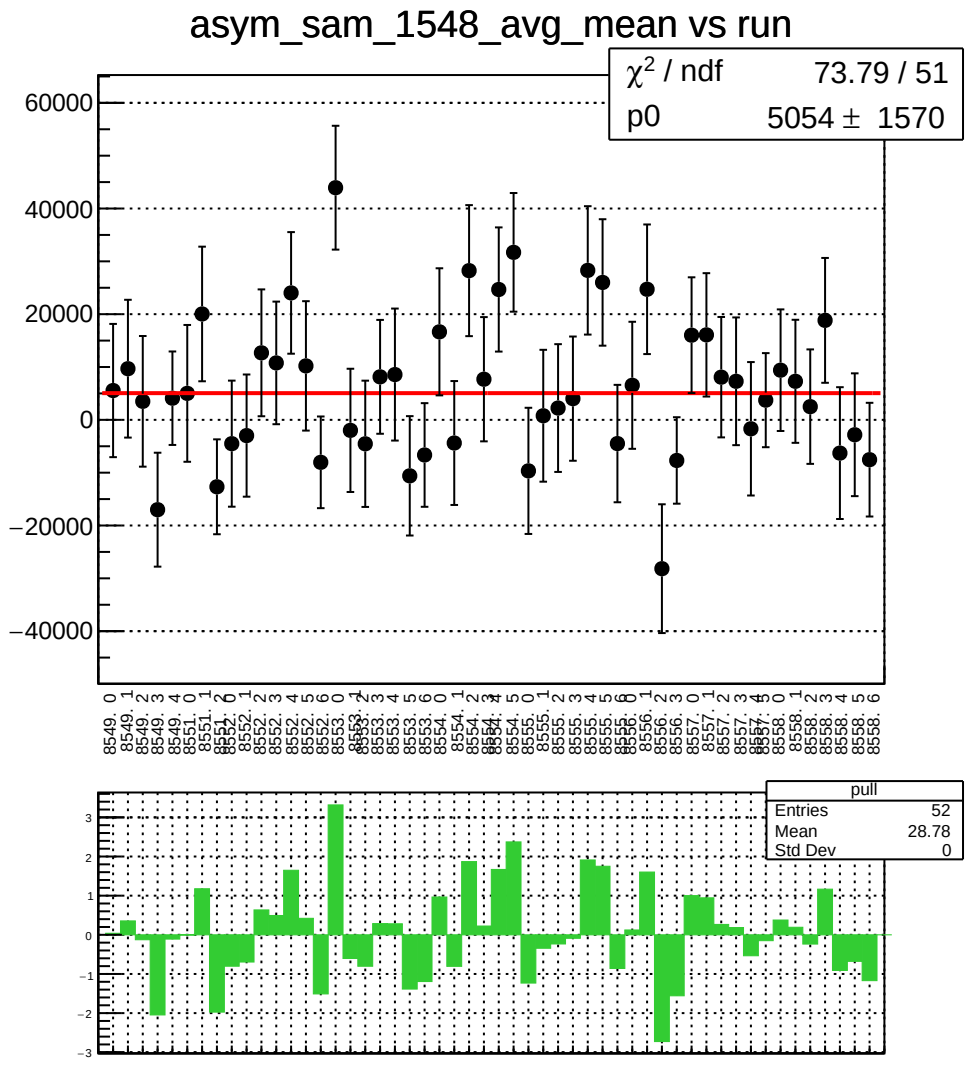

pull1D
Entries 52
Mean −0.02868
Std Dev 1.152

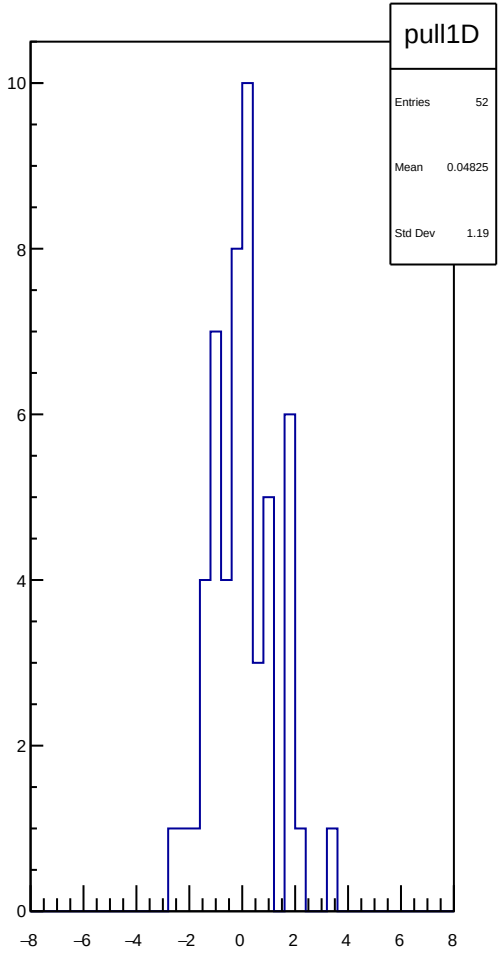

eigen_dit_asym_sam_1548_avg_rms vs run
χ² / ndf 1833 / 51
p0 156.6 ± 0.1547
190
180
170
160
150
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 5
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

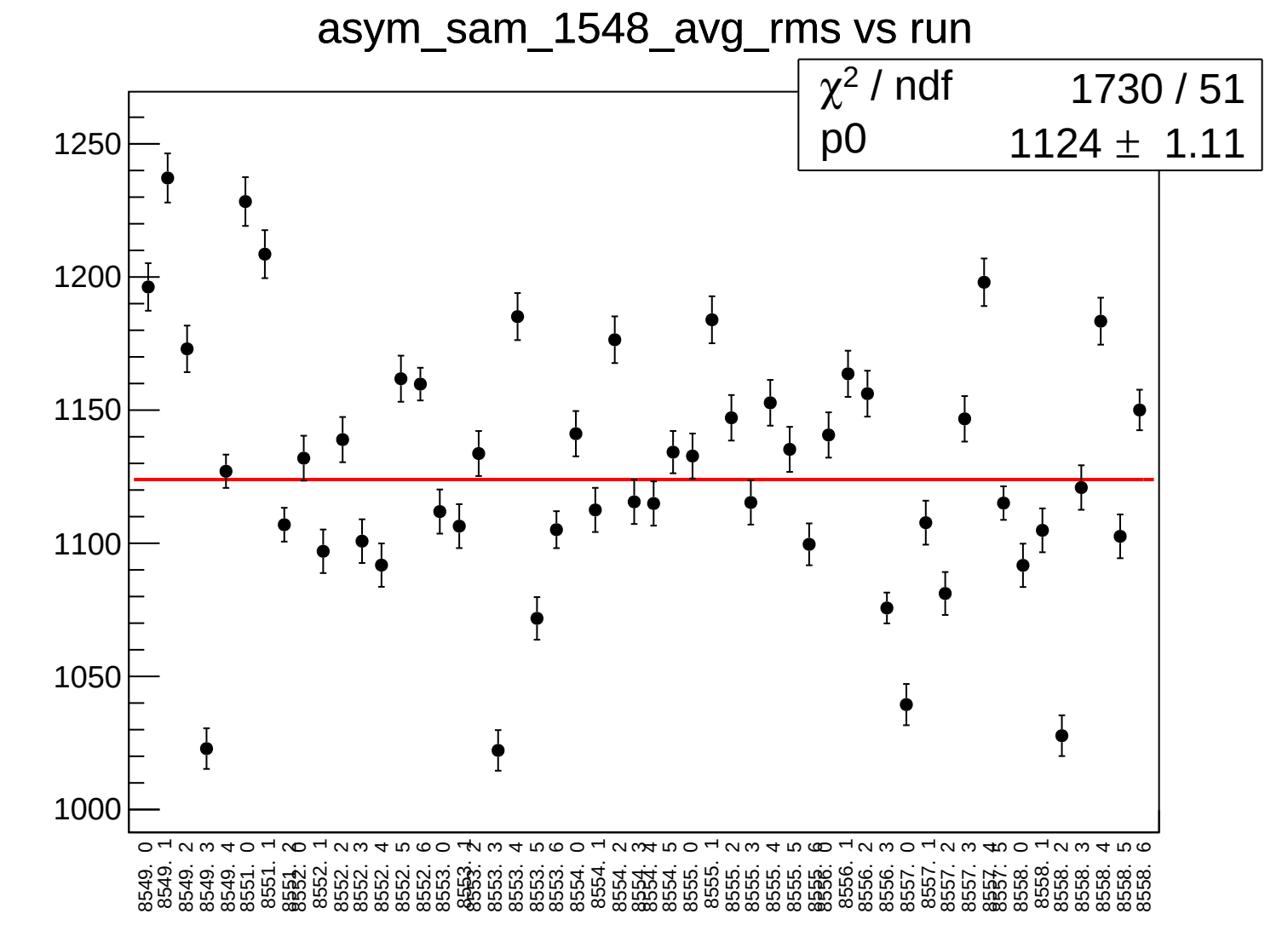

asym_sam_1548_avg_eigen_dit_correction_mean vs run
χ² / ndf 76.28 / 51
p0 −4939 ± 1613
40000
20000
0
−20000
−40000
−60000
pull
Entries 52
Mean 36.61
Std Dev 0
3
2
1
0
−1
−2
−3

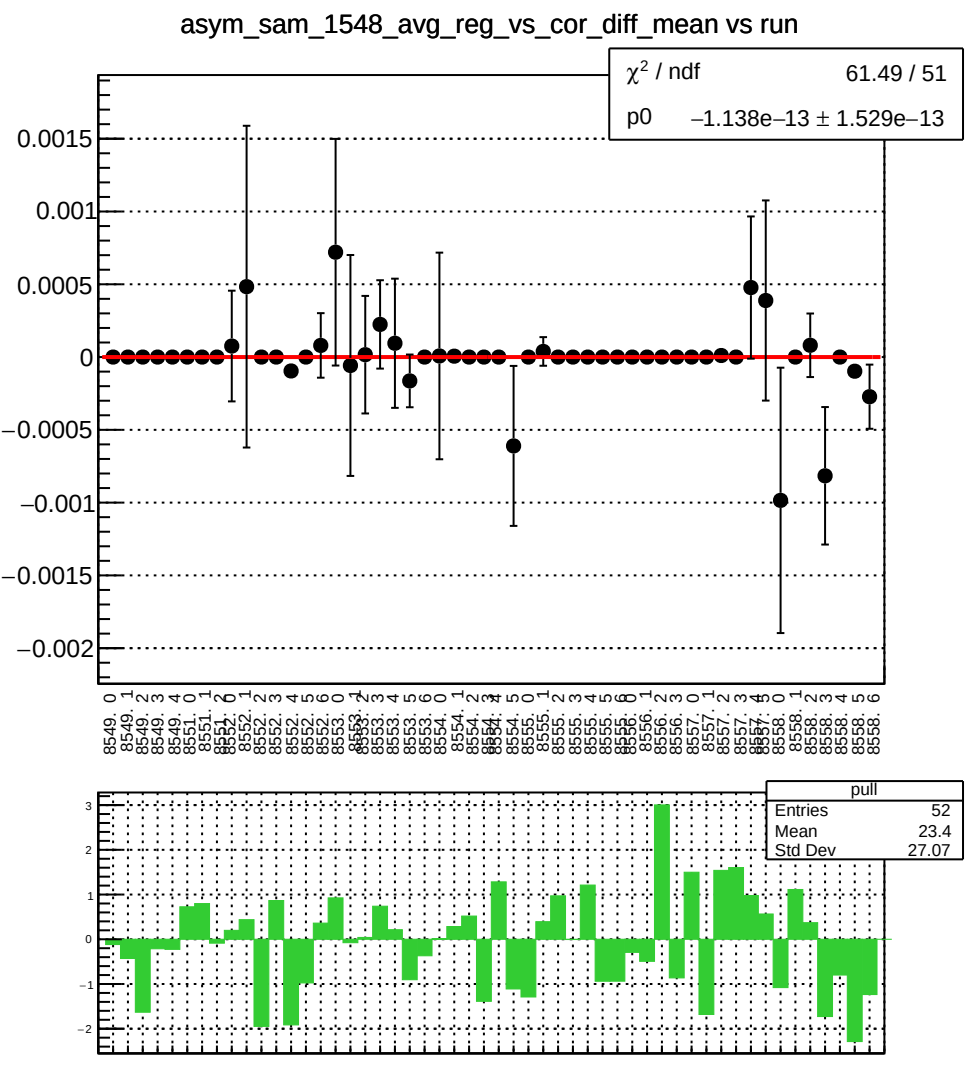

pull1D
Entries 52
Mean −0.05015
Std Dev 1.21
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

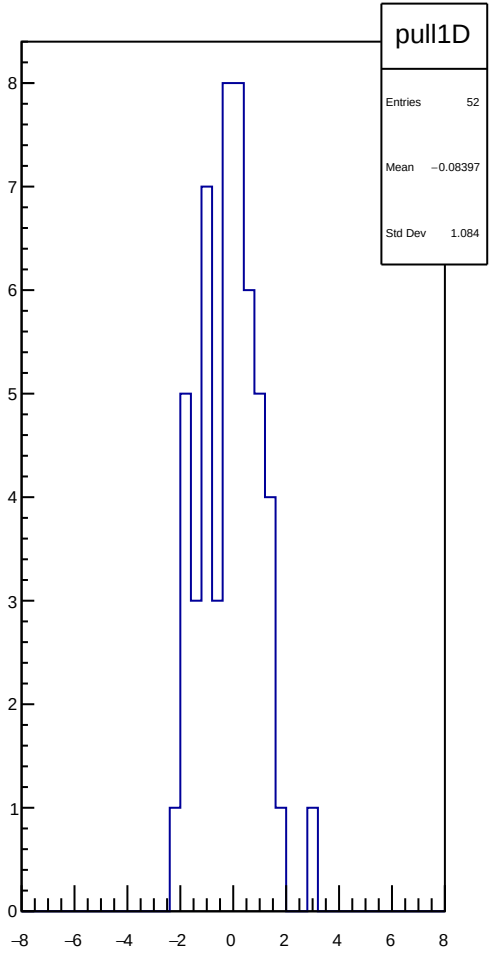

asym_sam_1548_avg_eigen_dit_correction_rms vs run
χ² / ndf 1723 / 51
p0 1155 ± 1.141
1300
1250
1200
1150
1100
1050
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

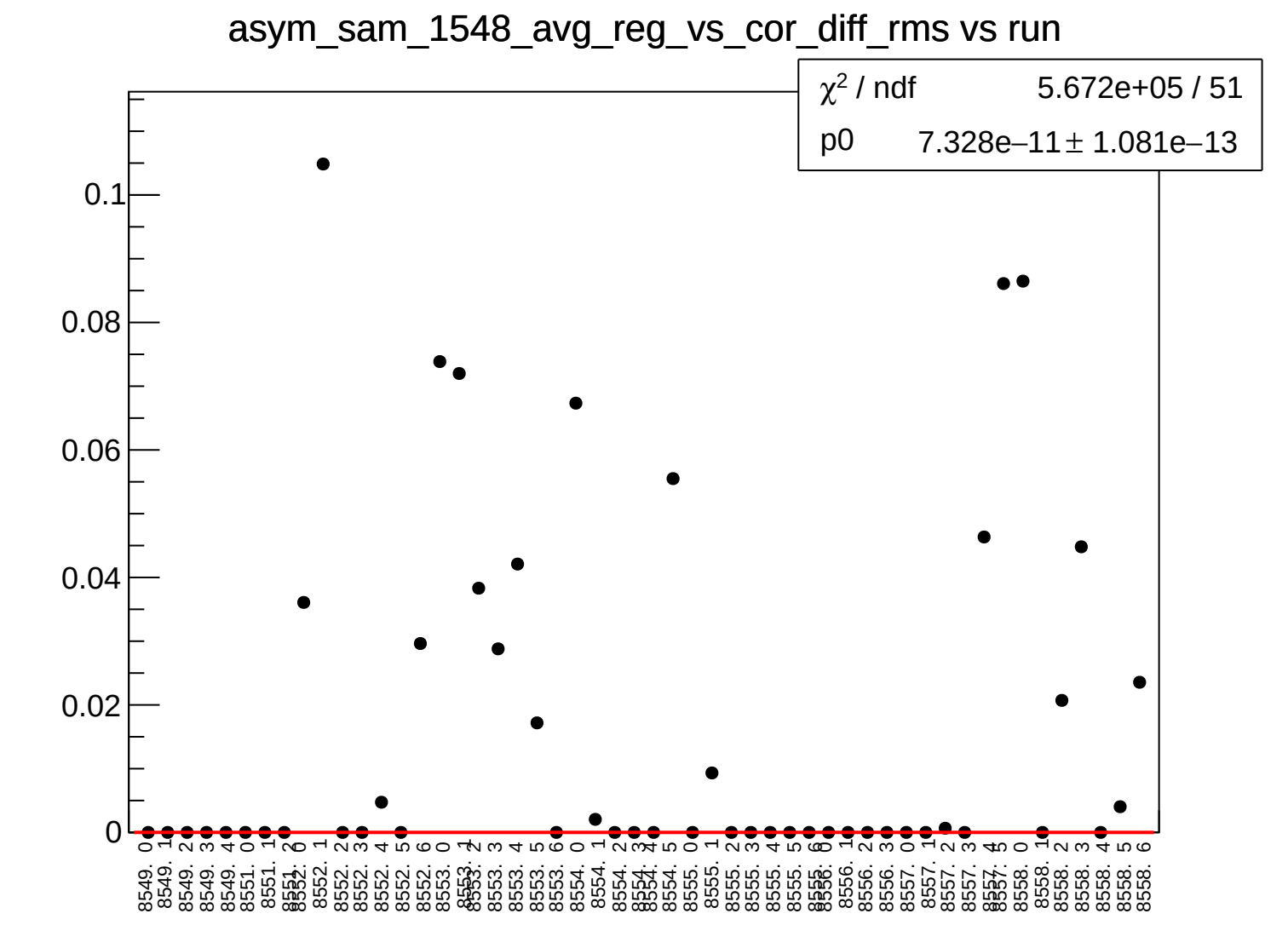

asym_sam_1548_avg_mean vs run
χ² / ndf 73.79 / 51
p0 5054 ± 1570
60000
40000
20000
0
−20000
−40000
pull
Entries 52
Mean 28.78
Std Dev 0
3
2
1
0
−1
−2
−3


pull1D
Entries 52
Mean 0.04825
Std Dev 1.19
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


asym_sam_1548_avg_rms vs run
χ² / ndf 1730 / 51
p0 1124 ± 1.11
1250
1200
1150
1100
1050
1000
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 5
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6


asym_sam_1548_avg_reg_vs_cor_diff_mean vs run
χ² / ndf 61.49 / 51
p0 −1.138e−13 ± 1.529e−13
pull
Entries 52
Mean 23.4
Std Dev 27.07


pull1D
Entries 52
Mean −0.08397
Std Dev 1.084


asym_sam_1548_avg_reg_vs_cor_diff_rms vs run
χ² / ndf 5.672e+05 / 51
p0 7.328e−11 ± 1.081e−13
0.1
0.08
0.06
0.04
0.02
0
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8549. 5
8549. 6
8551. 0
8551. 1
8551. 2
8552. 0
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
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8553. 1
8553. 2
8553. 3
8553. 4
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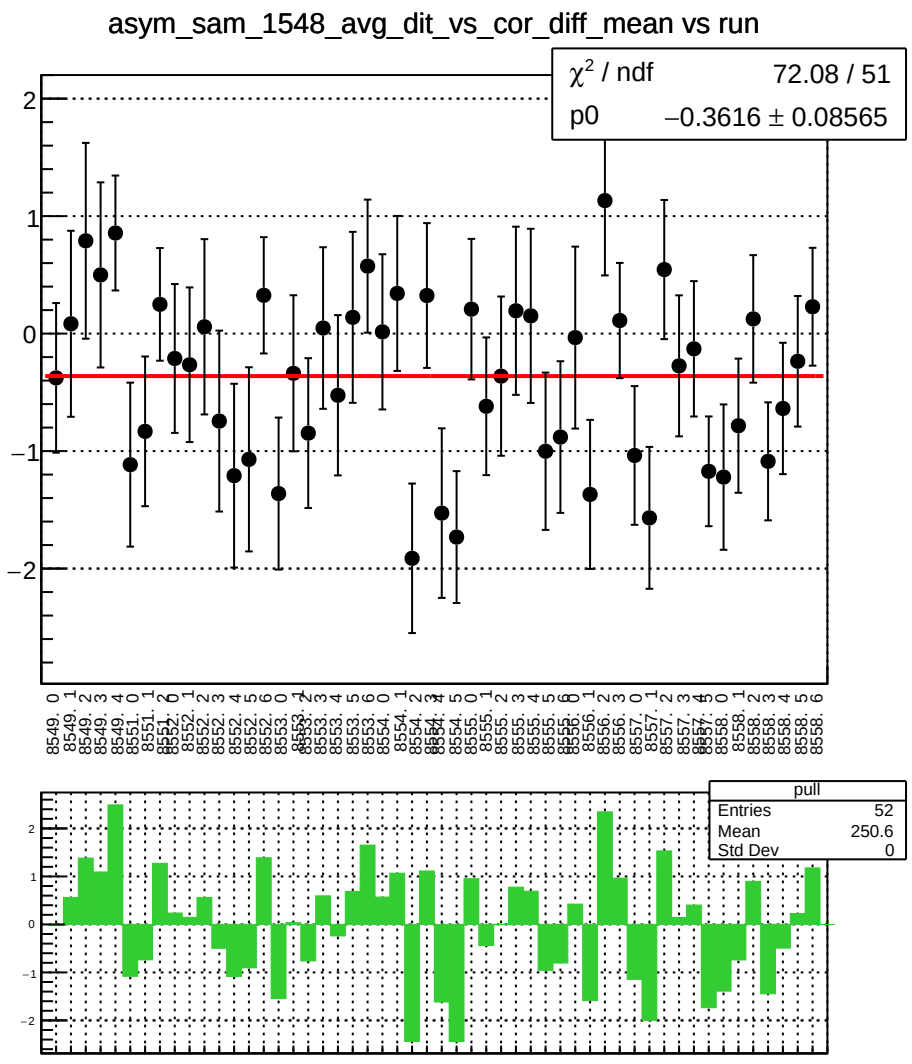
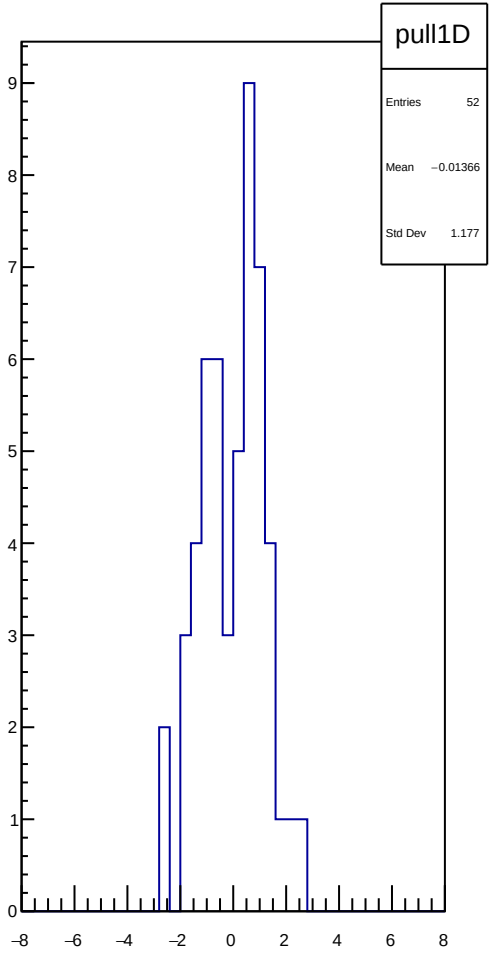
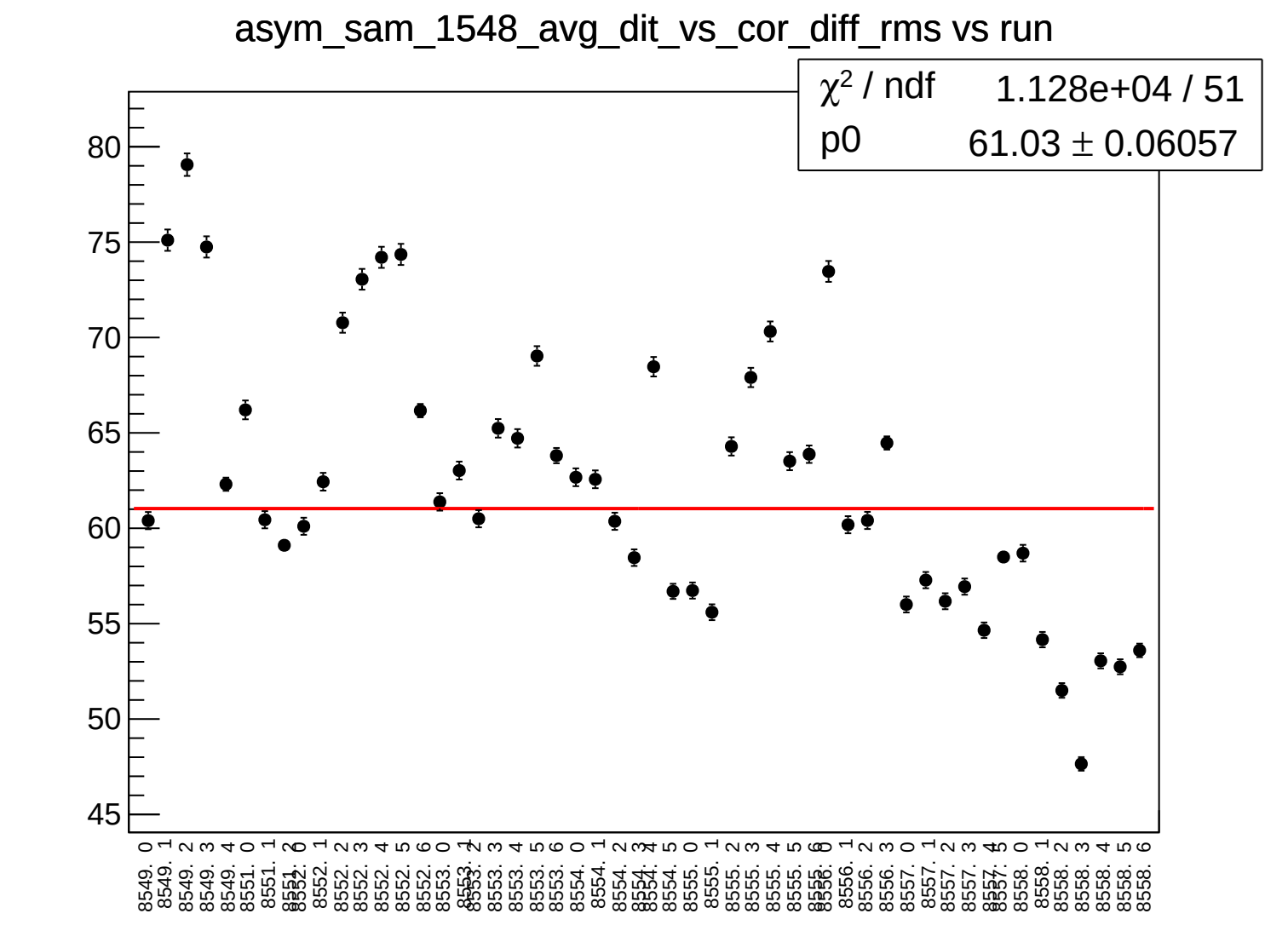
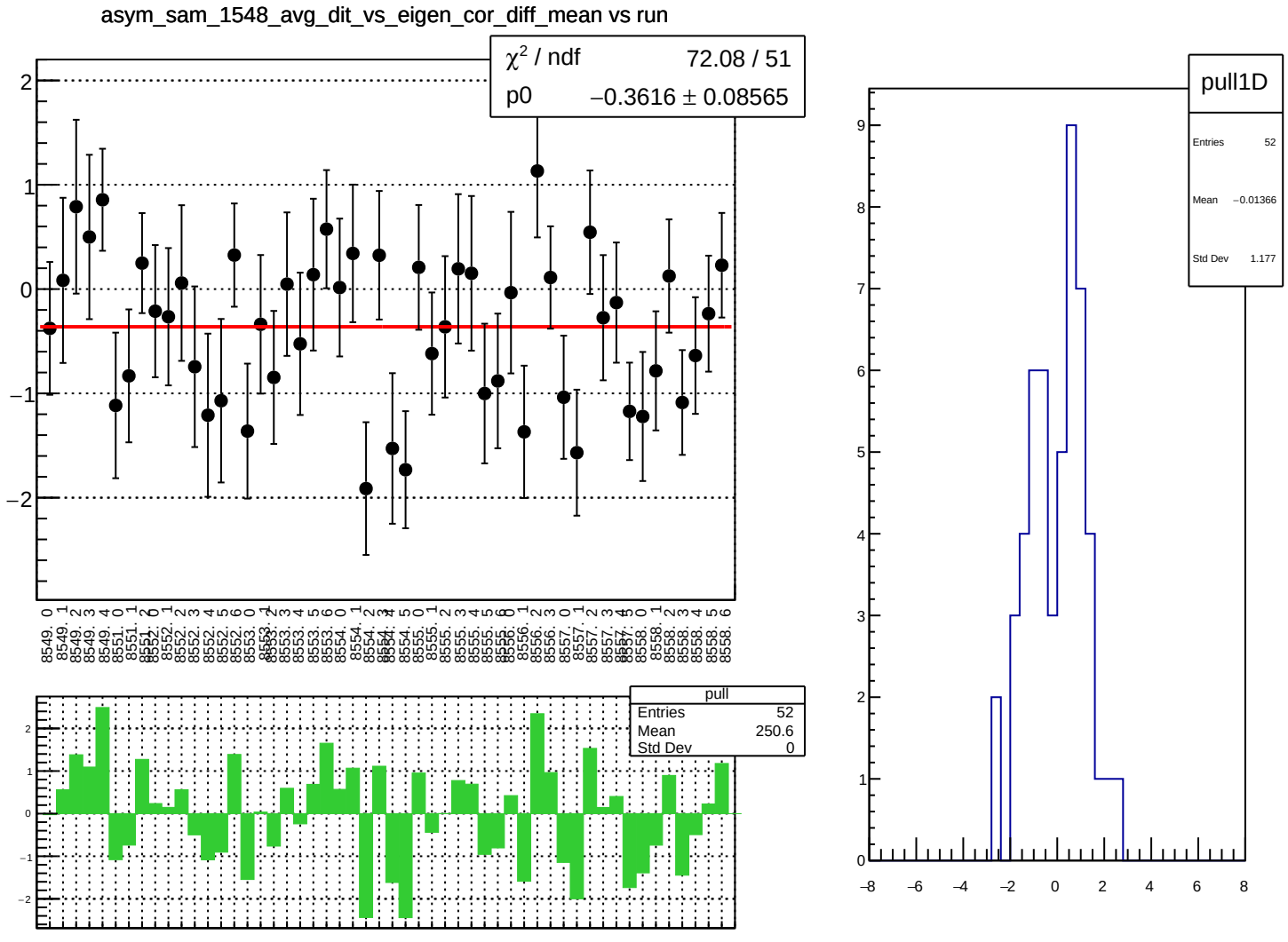
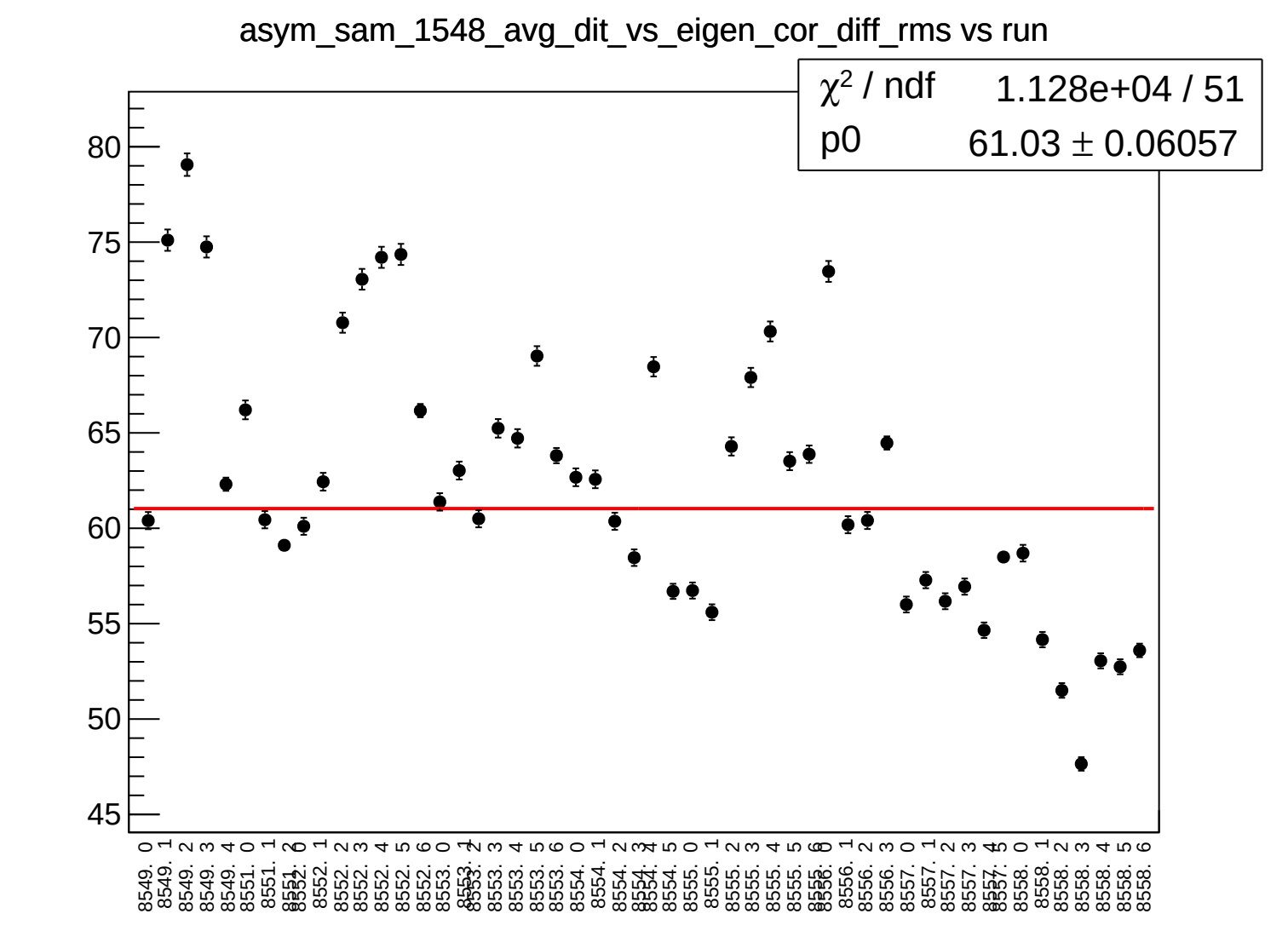
8553. 6
8554. 0
8554. 1
8554. 2
8554. 3
8554. 4
8554. 5
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8555. 6
8556. 0
8556. 1
8556. 2
8556. 3
8556. 4
8557. 0
8557. 1
8557. 2
8557. 3
8557. 4
8557. 5
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6


asym_sam_1548_avg_dit_vs_cor_diff_mean vs run
χ² / ndf 72.08 / 51
p0 −0.3616 ± 0.08565
pull
Entries 52
Mean 250.6
Std Dev 0


pull1D
Entries 52
Mean −0.01366
Std Dev 1.177


asym_sam_1548_avg_dit_vs_cor_diff_rms vs run
χ² / ndf 1.128e+04 / 51
p0 61.03 ± 0.06057
80
75
70
65
60
55
50
45
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 5
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6


asym_sam_1548_avg_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 72.08 / 51
p0 −0.3616 ± 0.08565
pull
Entries 52
Mean 250.6
Std Dev 0
pull1D
Entries 52
Mean −0.01366
Std Dev 1.177


asym_sam_1548_avg_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.128e+04 / 51
p0 61.03 ± 0.06057
80
75
70
65
60
55
50
45
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
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8554. 1
8554. 2
8554. 5
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8555. 1
8555. 2
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8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
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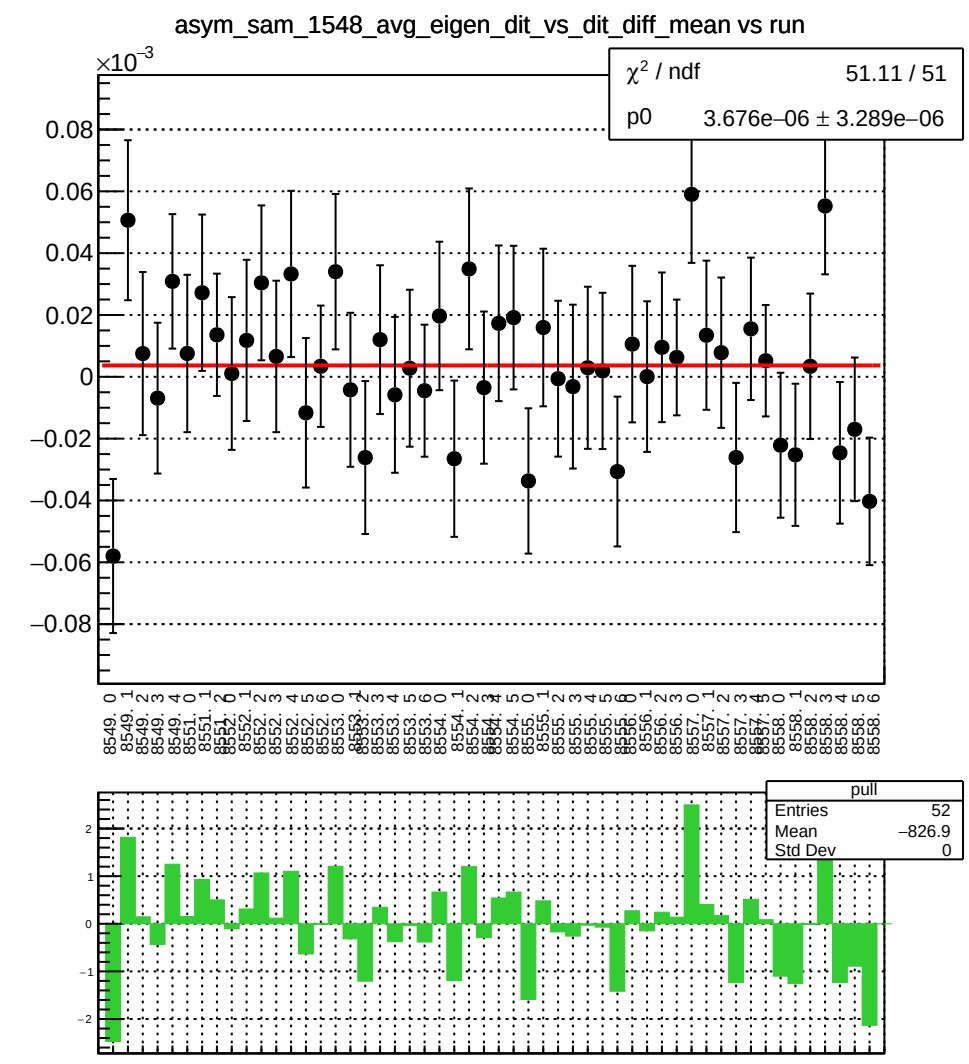
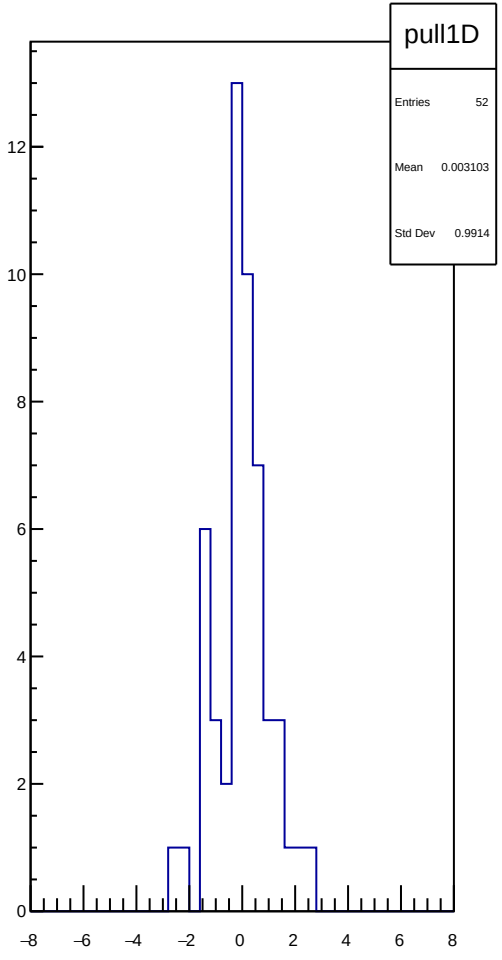
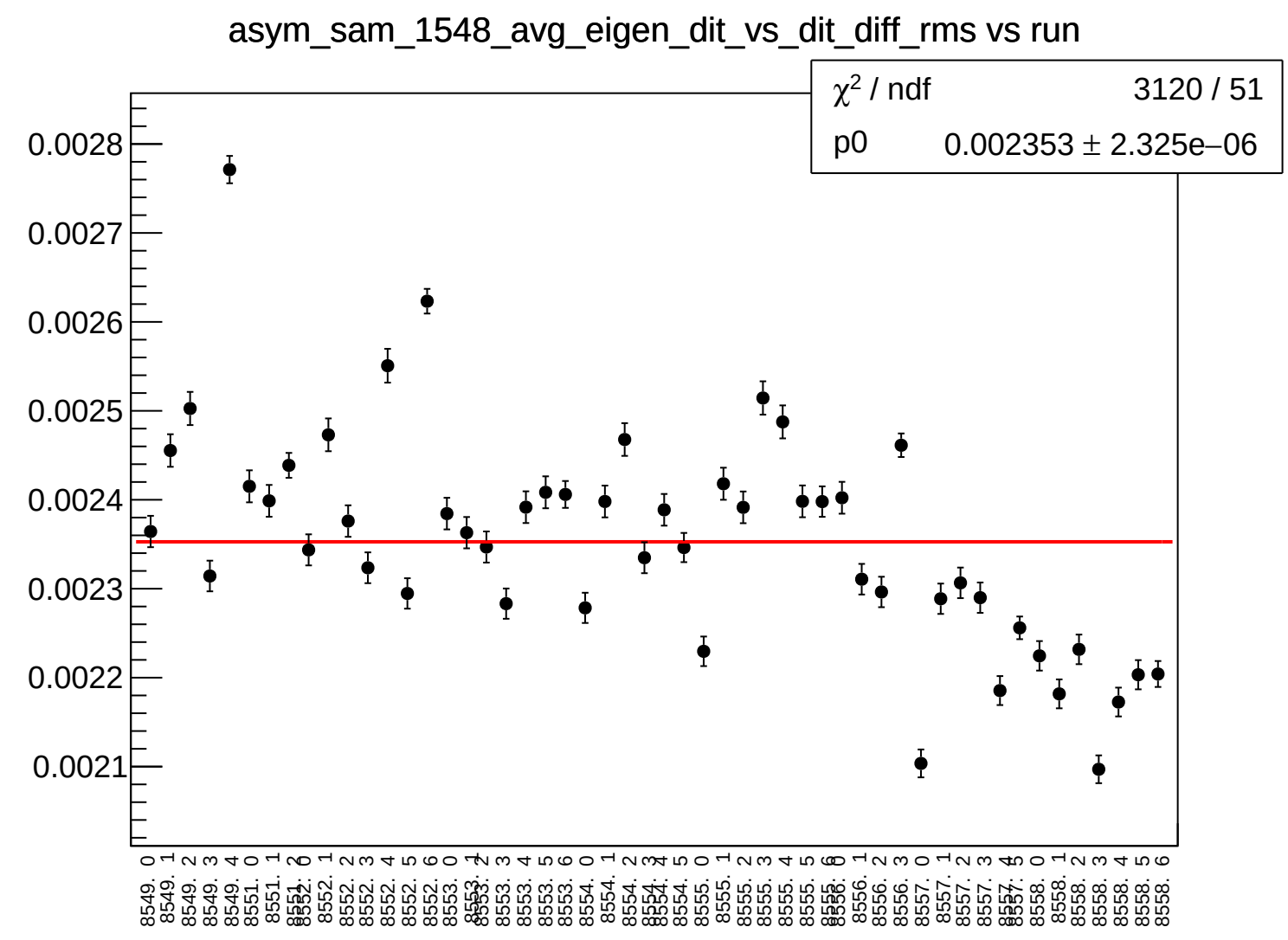
8558. 5
8558. 6


asym_sam_1548_avg_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 51.11 / 51
p0 3.676e−06 ± 3.289e−06
pull
Entries 52
Mean −826.9
Std Dev 0


pull1D
Entries 52
Mean 0.003103
Std Dev 0.9914


asym_sam_1548_avg_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 3120 / 51
p0 0.002353 ± 2.325e−06
0.0028
0.0027
0.0026
0.0025
0.0024
0.0023
0.0022
0.0021
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
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8554. 1
8554. 2
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8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
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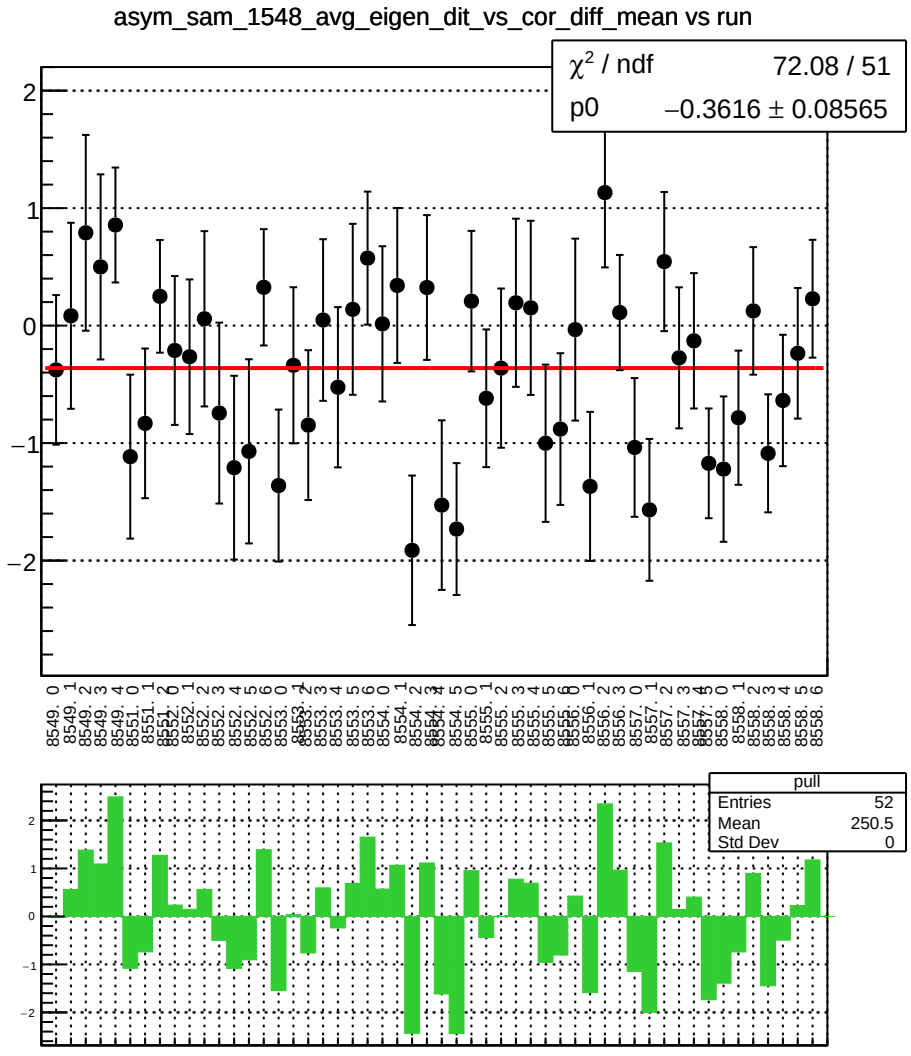
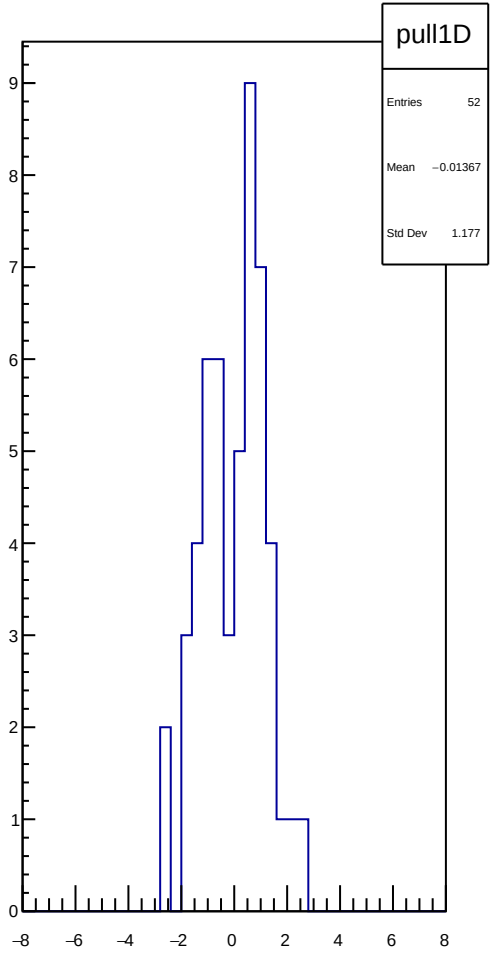
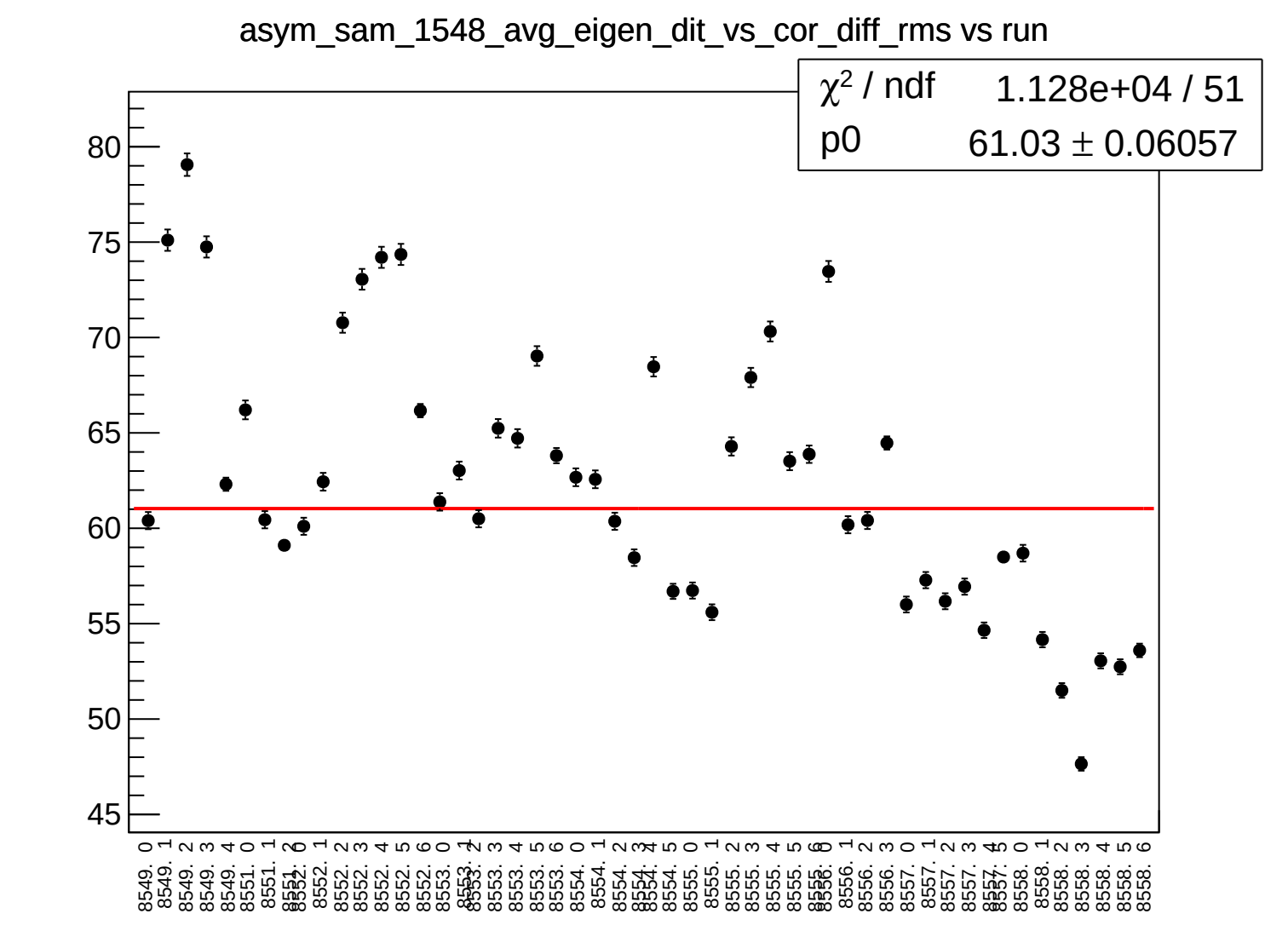
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6


asym_sam_1548_avg_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 72.08 / 51
p0 −0.3616 ± 0.08565
pull
Entries 52
Mean 250.5
Std Dev 0


pull1D
Entries 52
Mean −0.01367
Std Dev 1.177


asym_sam_1548_avg_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 1.128e+04 / 51
p0 61.03 ± 0.06057
80
75
70
65
60
55
50
45
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
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8554. 2
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8558. 0
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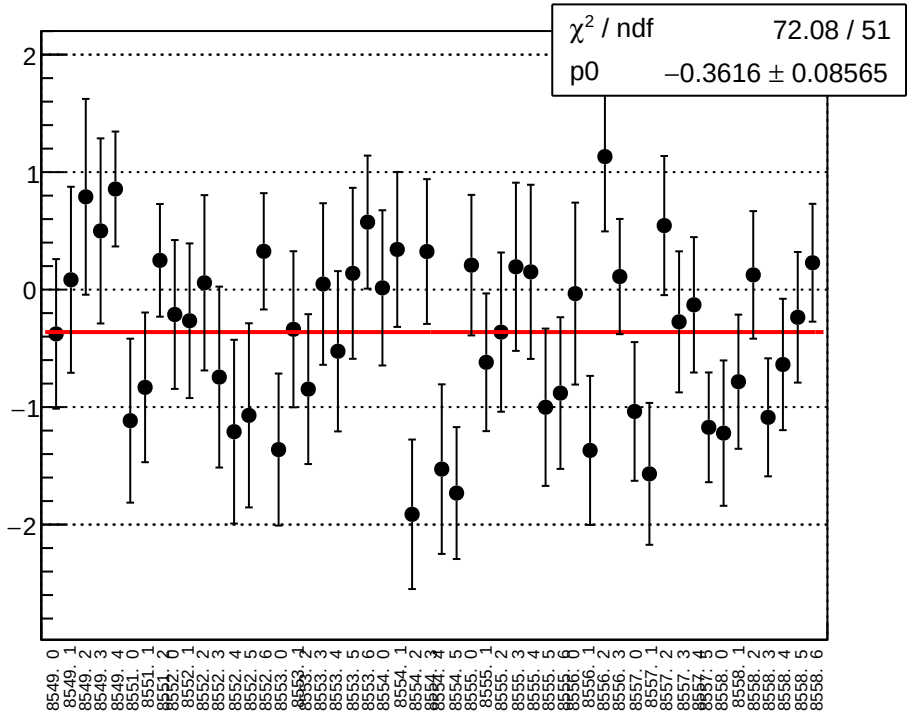
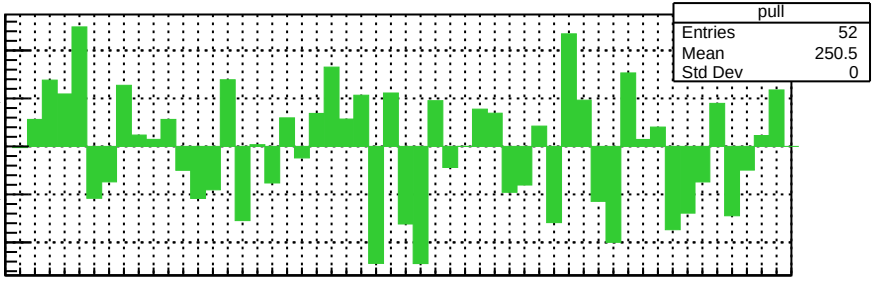
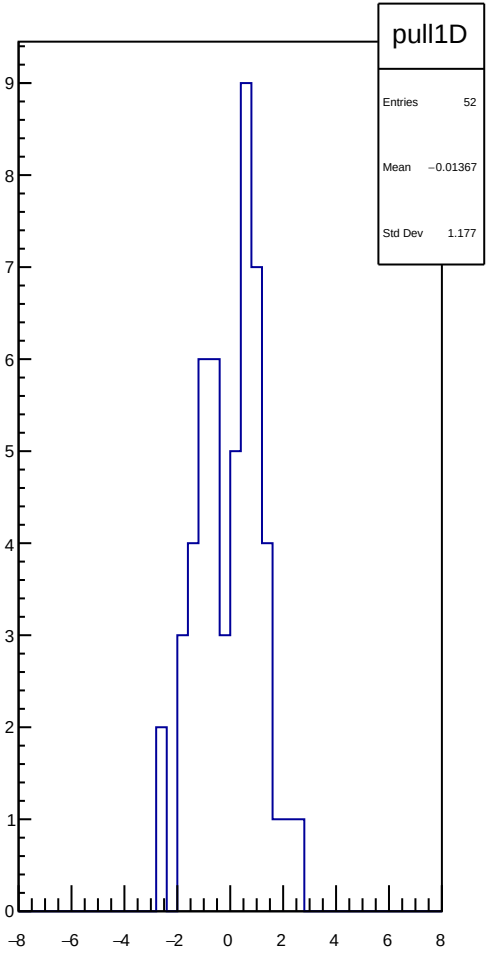
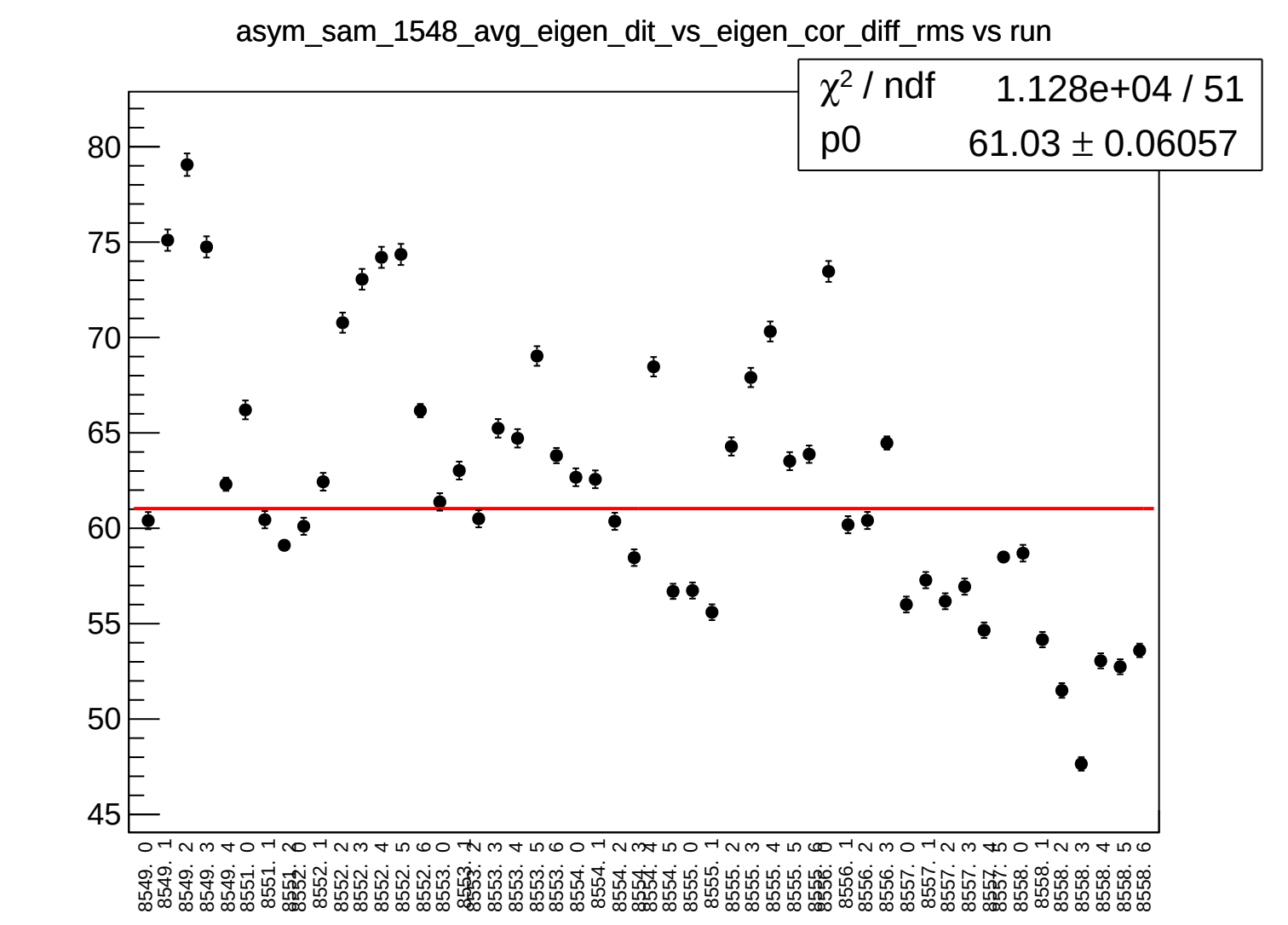
8558. 5
8558. 6

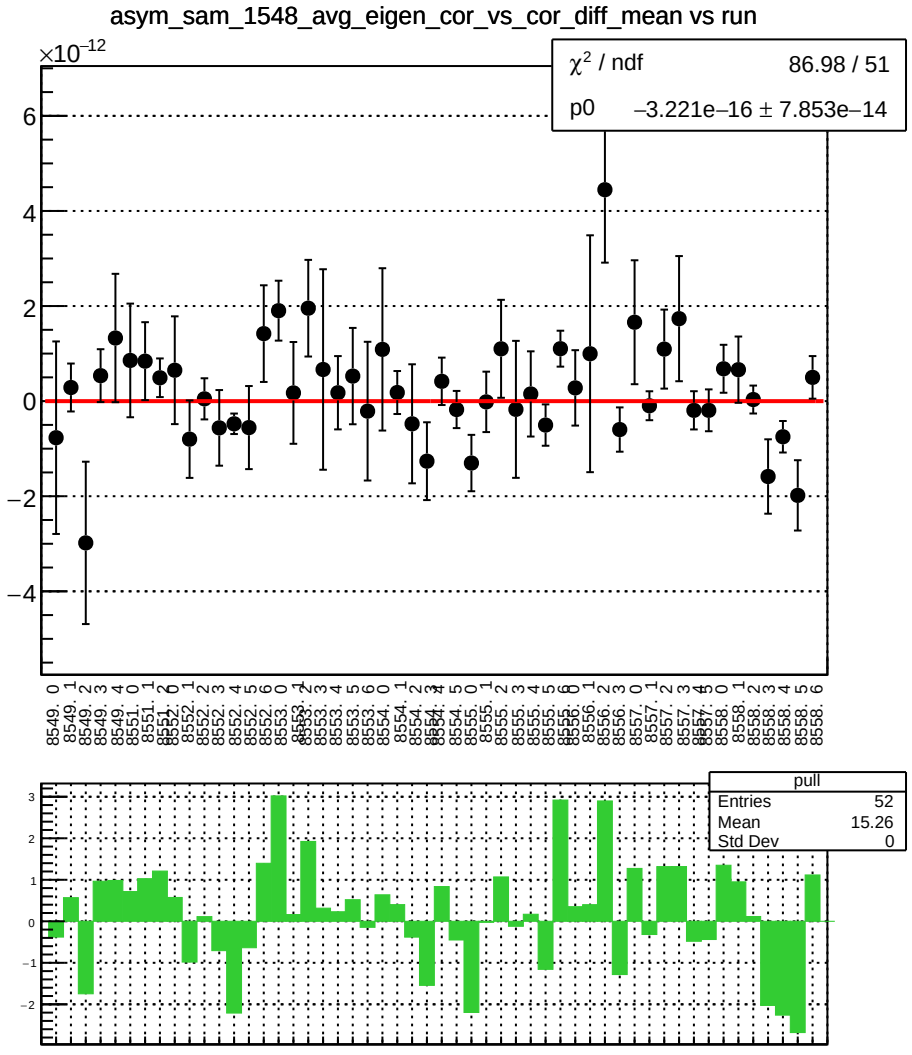
asym_sam_1548_avg_eigen_dit_vs_eigen_cor_diff_mean vs run

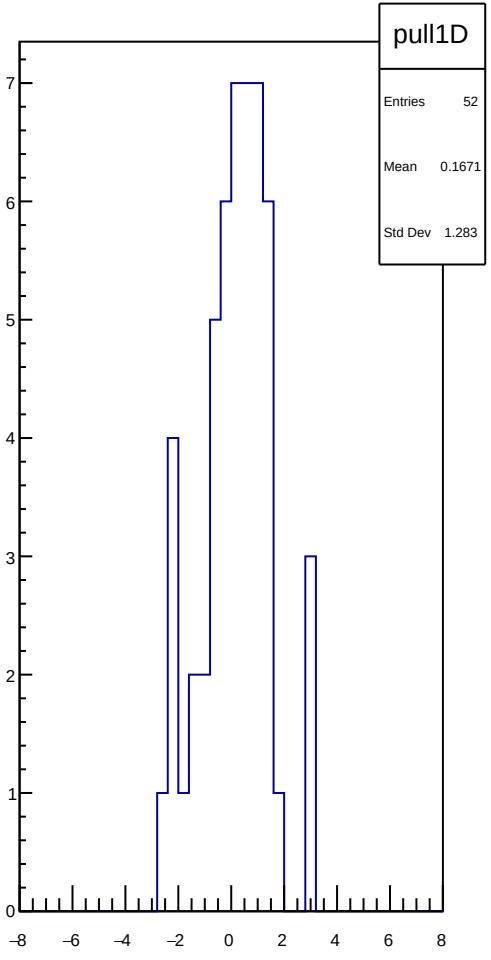


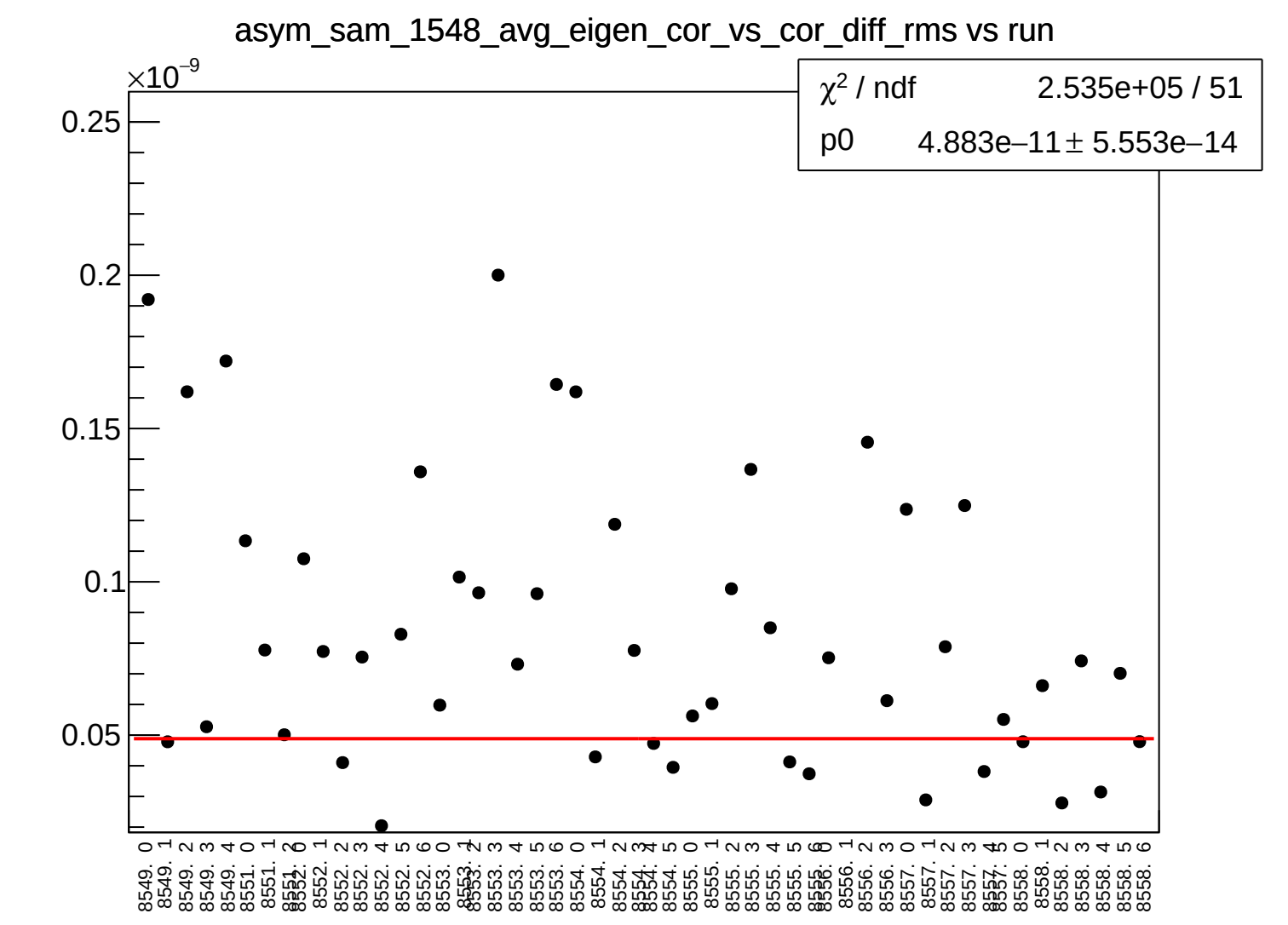


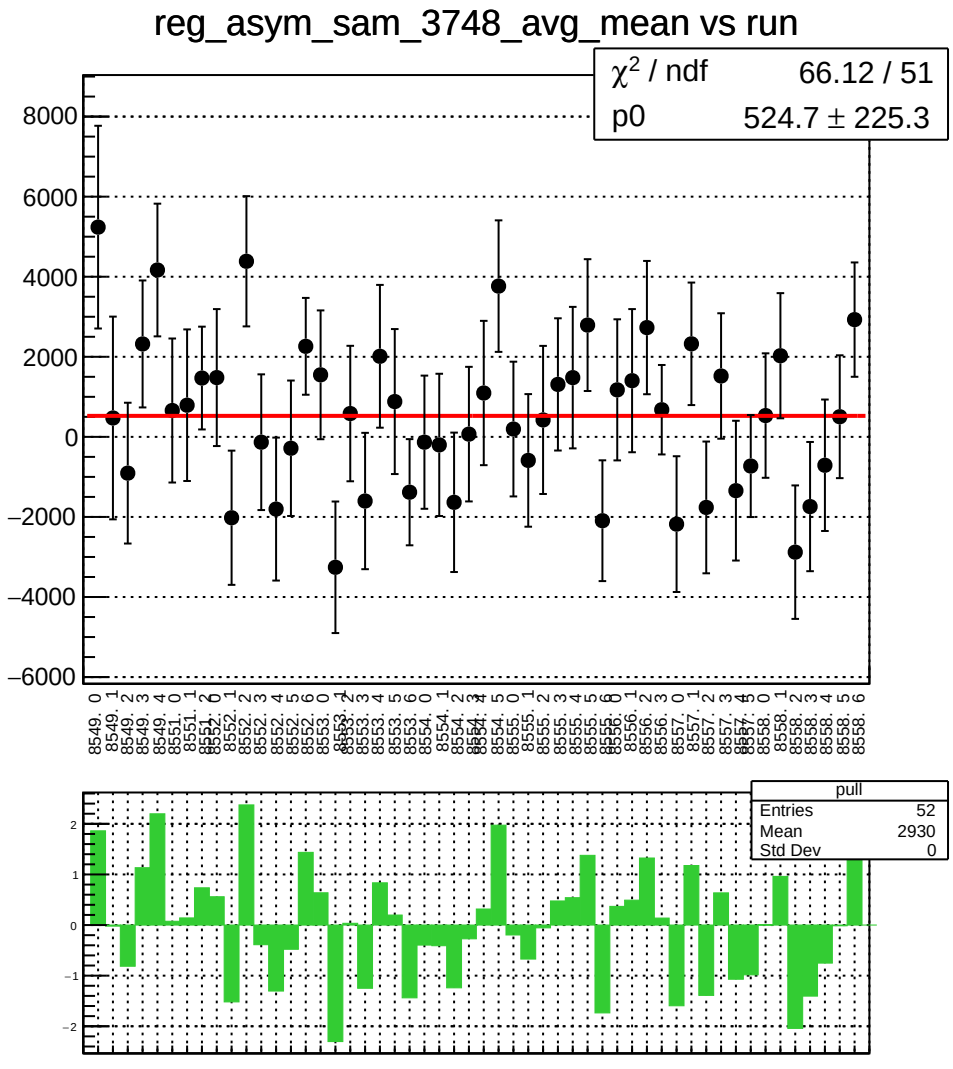


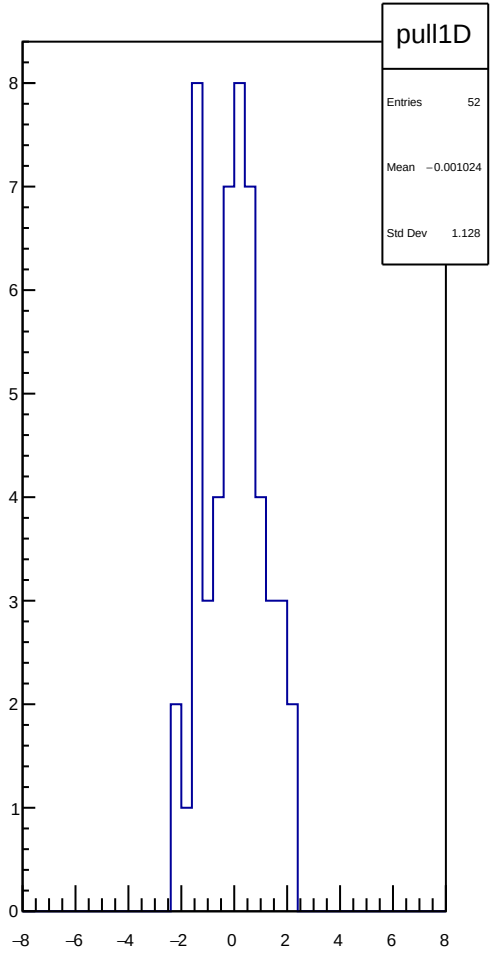

asym_sam_1548_avg_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.128e+04 / 51
p0 61.03 ± 0.06057
80
75
70
65
60
55
50
45
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 5
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

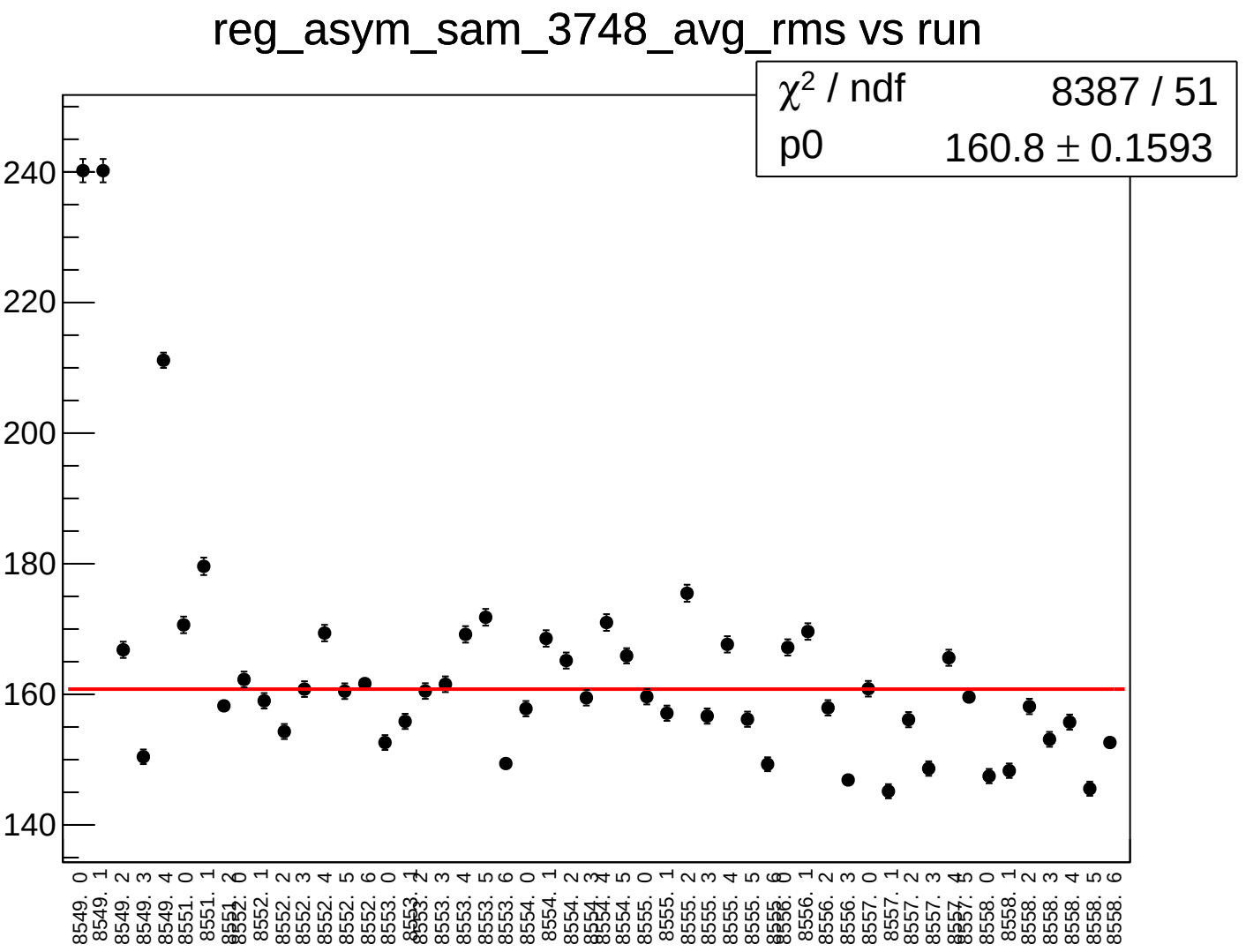

asym_sam_1548_avg_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 86.98 / 51
p0 −3.221e−16 ± 7.853e−14
pull
Entries 52
Mean 15.26
Std Dev 0

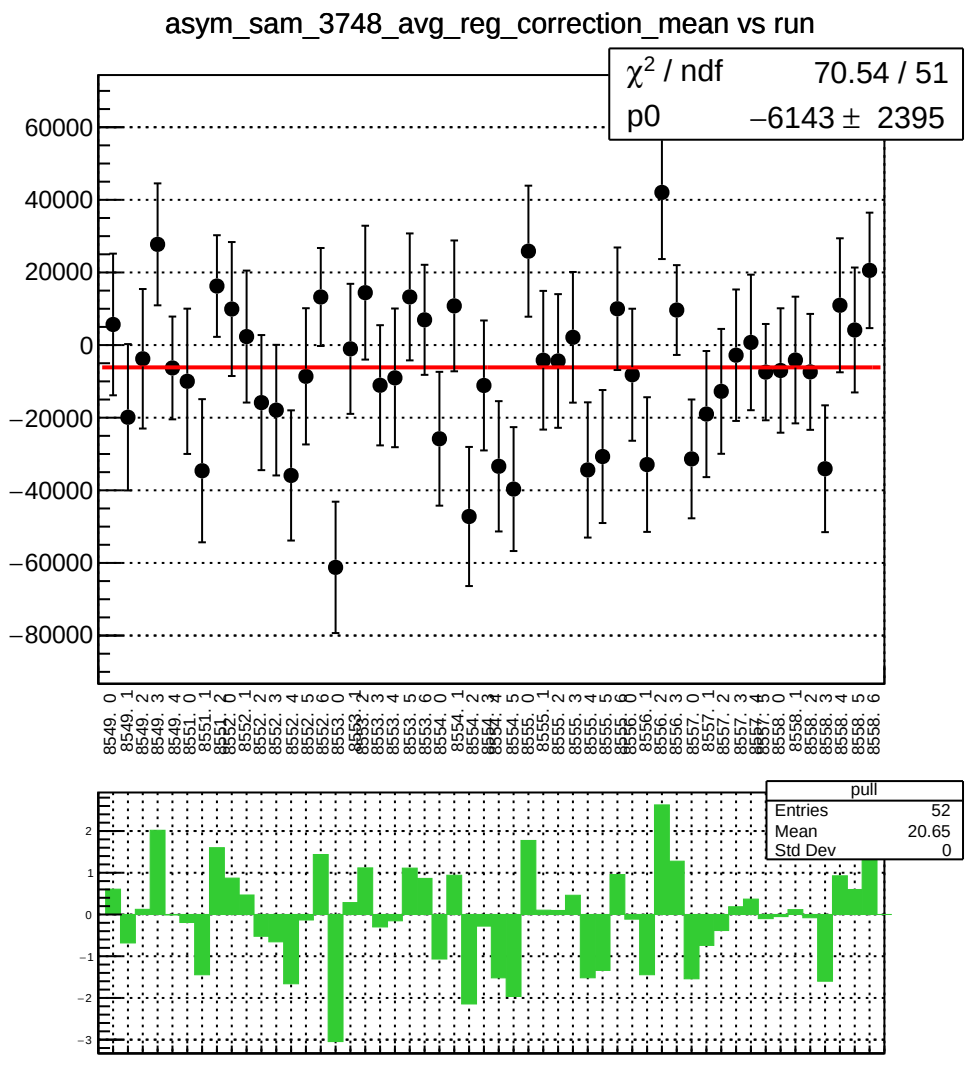

pull1D
Entries 52
Mean 0.1671
Std Dev 1.283

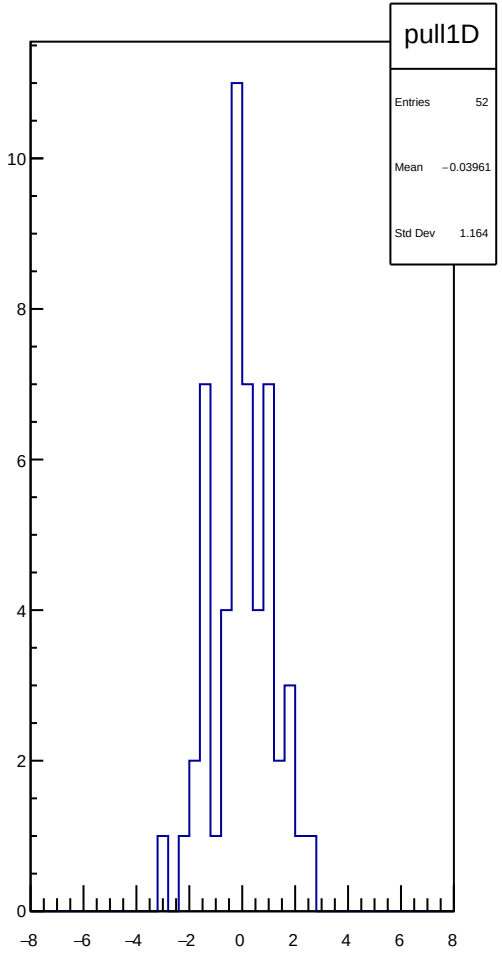

asym_sam_1548_avg_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 2.535e+05 / 51
p0 4.883e−11 ± 5.553e−14
0.25
0.2
0.15
0.1
0.05
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 5
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

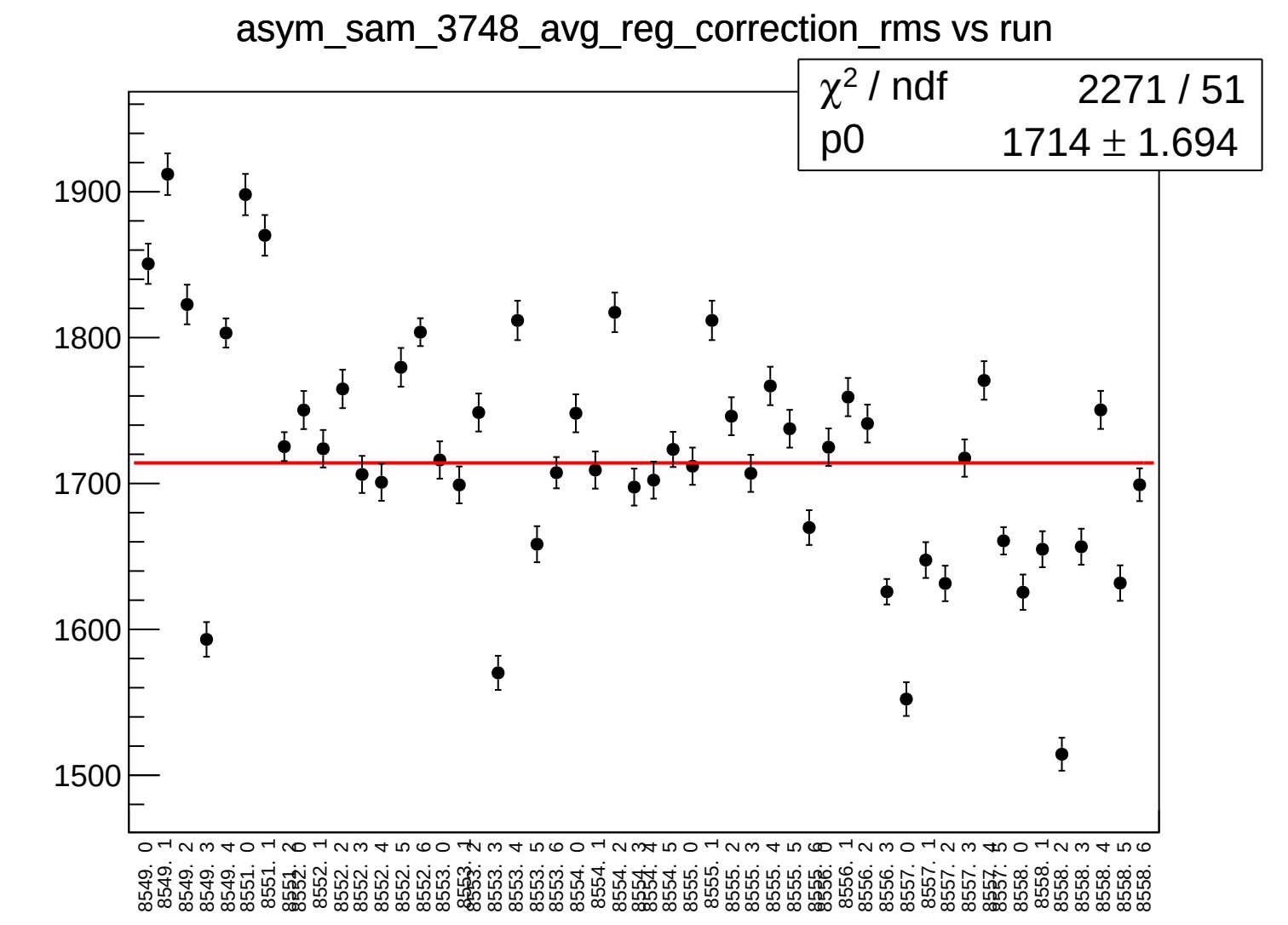

reg_asym_sam_3748_avg_mean vs run
χ² / ndf 66.12 / 51
p0 524.7 ± 225.3
pull
Entries 52
Mean 2930
Std Dev 0

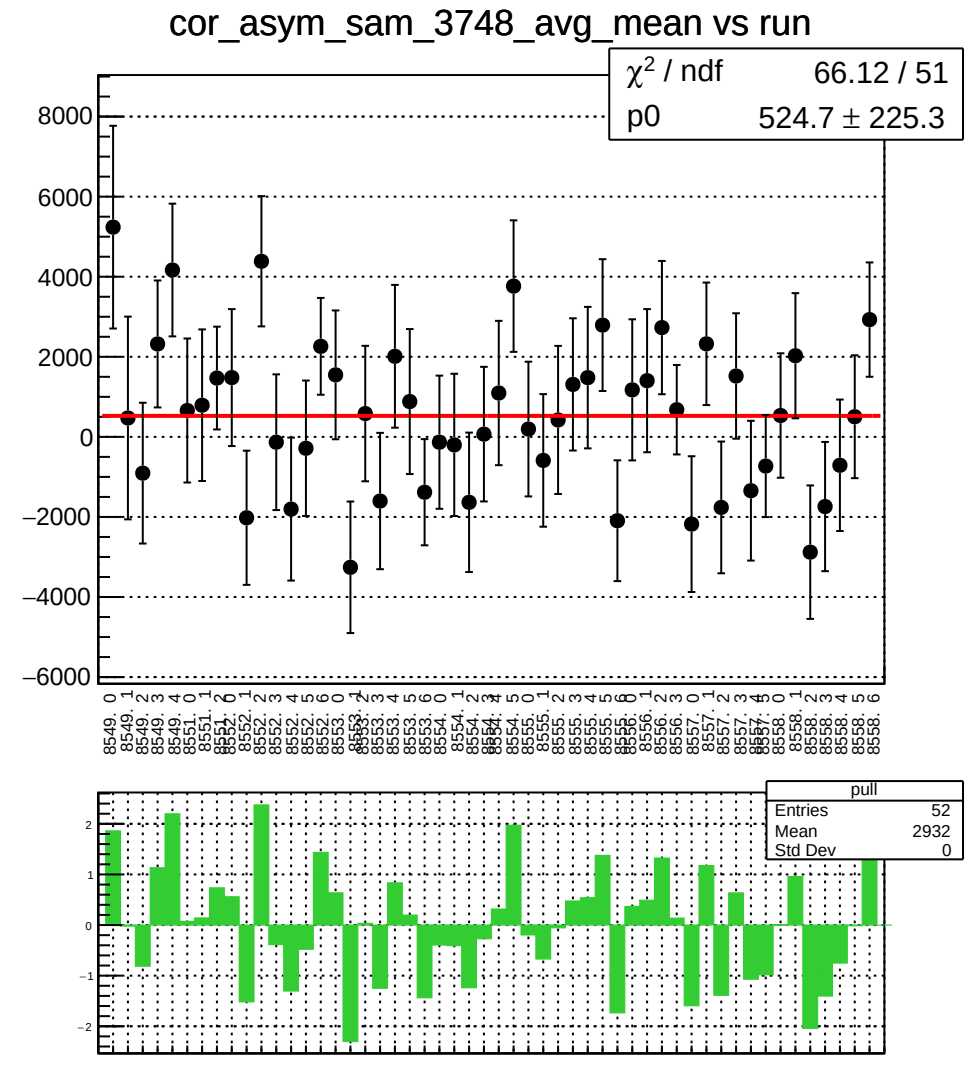

pull1D
Entries 52
Mean −0.001024
Std Dev 1.128

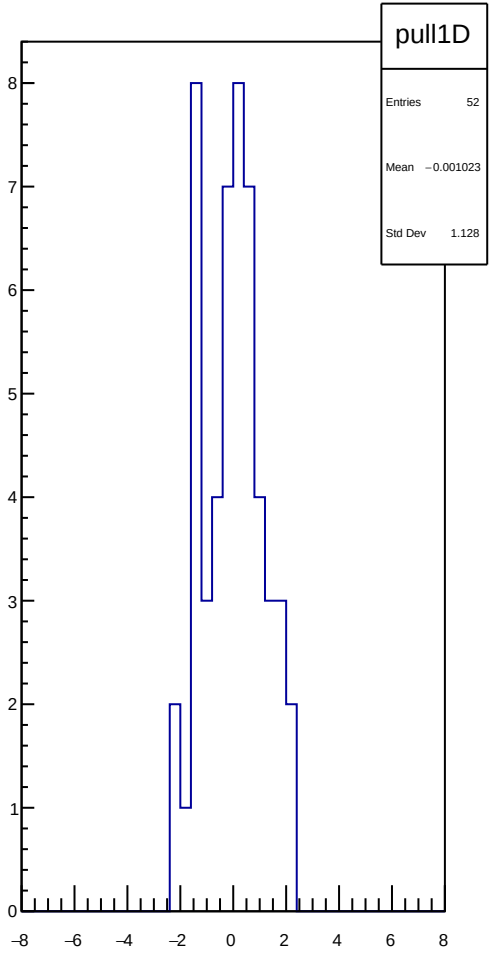

reg_asym_sam_3748_avg_rms vs run
χ² / ndf 8387 / 51
p0 160.8 ± 0.1593
240
220
200
180
160
140
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 5
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

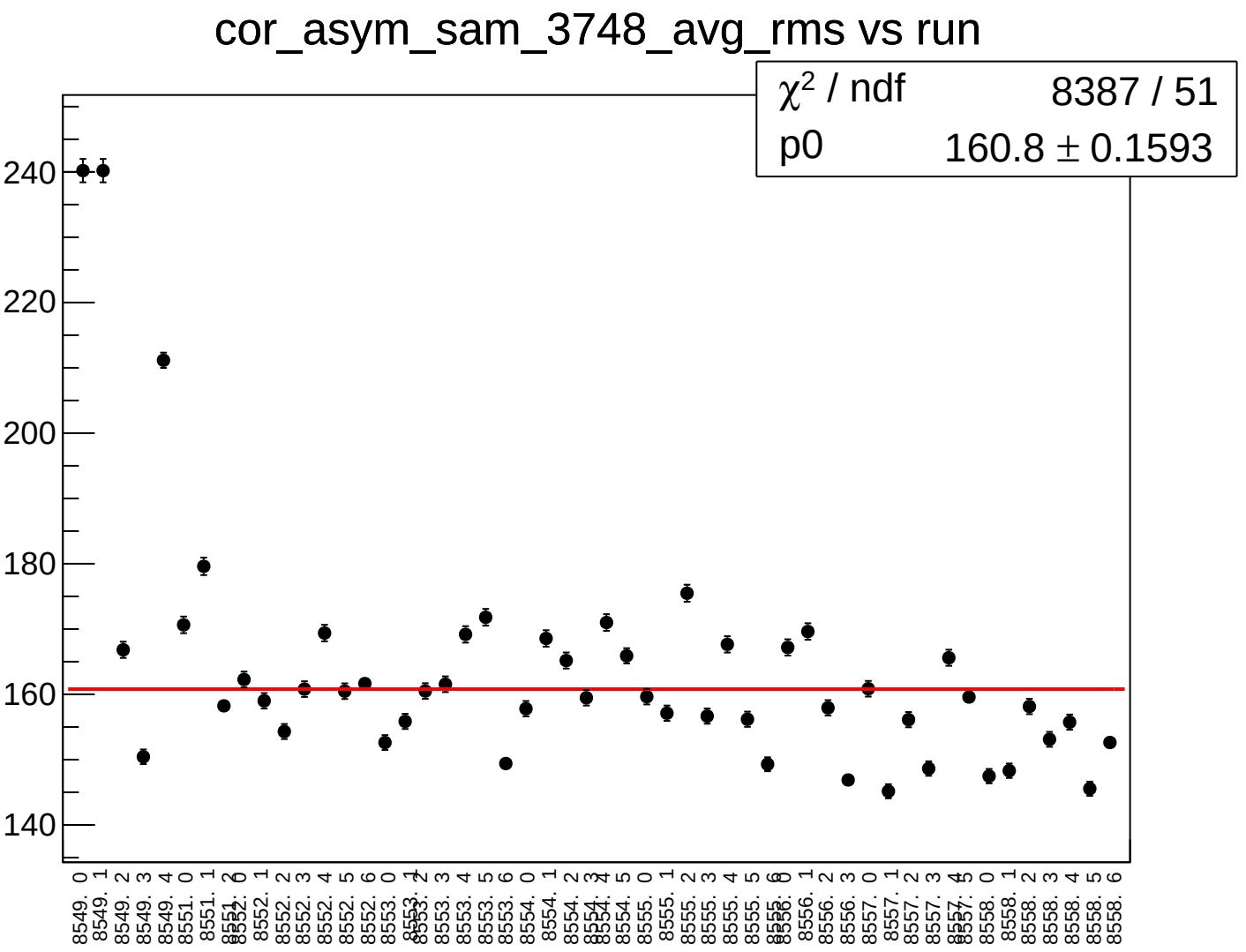

asym_sam_3748_avg_reg_correction_mean vs run
χ² / ndf 70.54 / 51
p0 −6143 ± 2395
60000
40000
20000
0
−20000
−40000
−60000
−80000
pull
Entries 52
Mean 20.65
Std Dev 0
2
1
0
−1
−2
−3

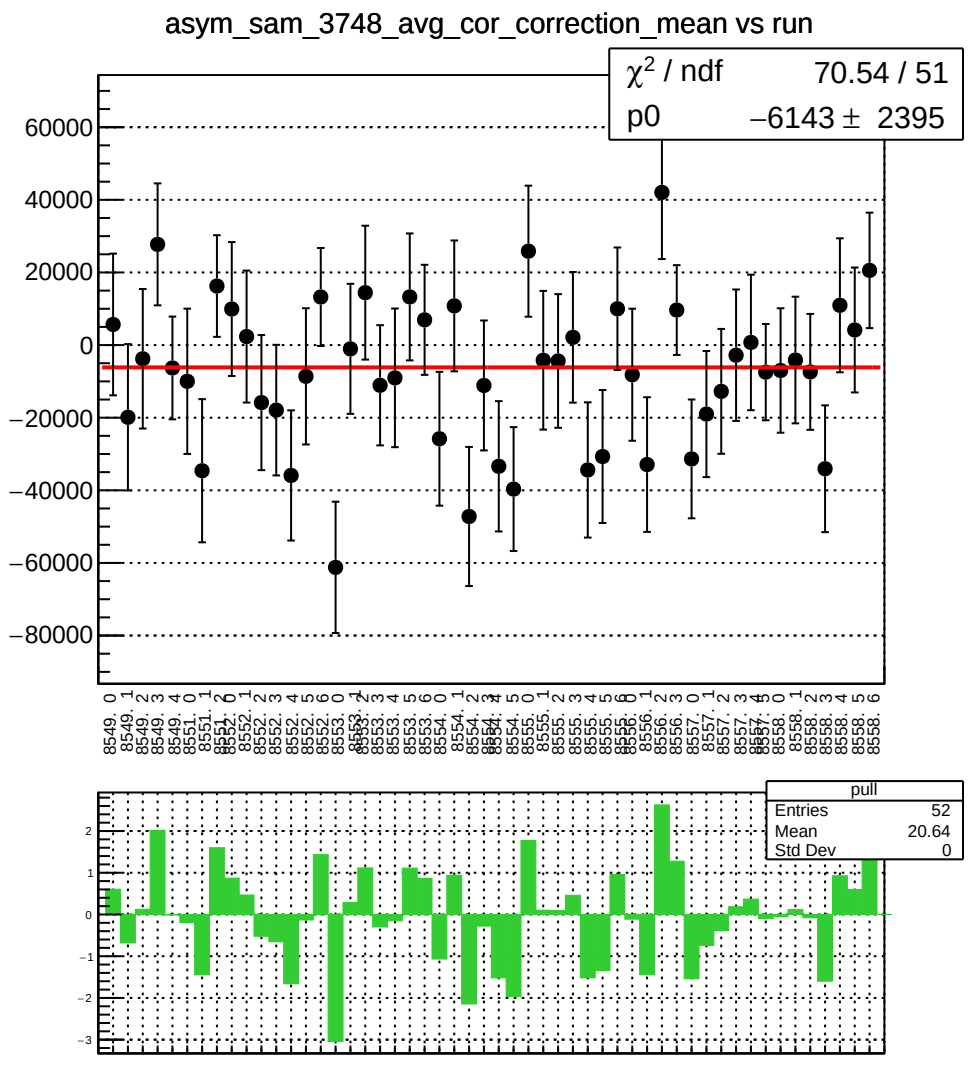

pull1D
Entries 52
Mean −0.03961
Std Dev 1.164
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

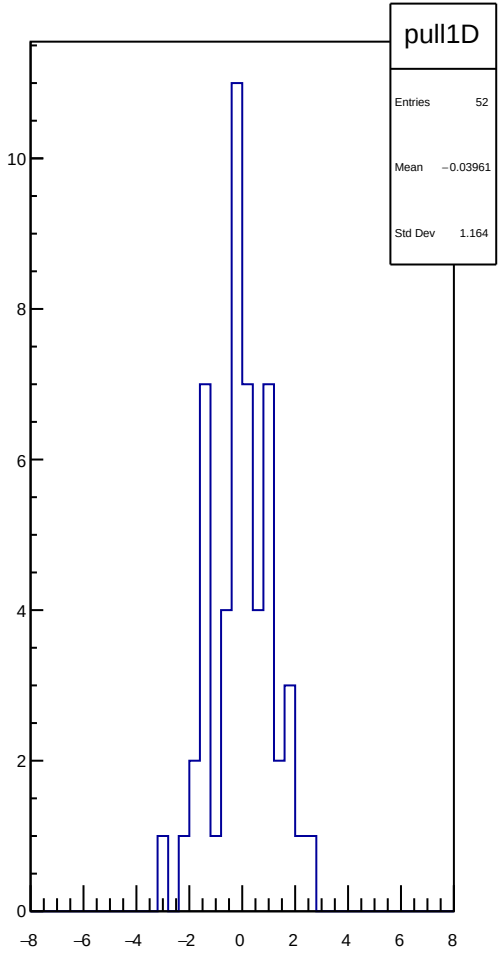

asym_sam_3748_avg_reg_correction_rms vs run
χ² / ndf 2271 / 51
p0 1714 ± 1.694
1900
1800
1700
1600
1500
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

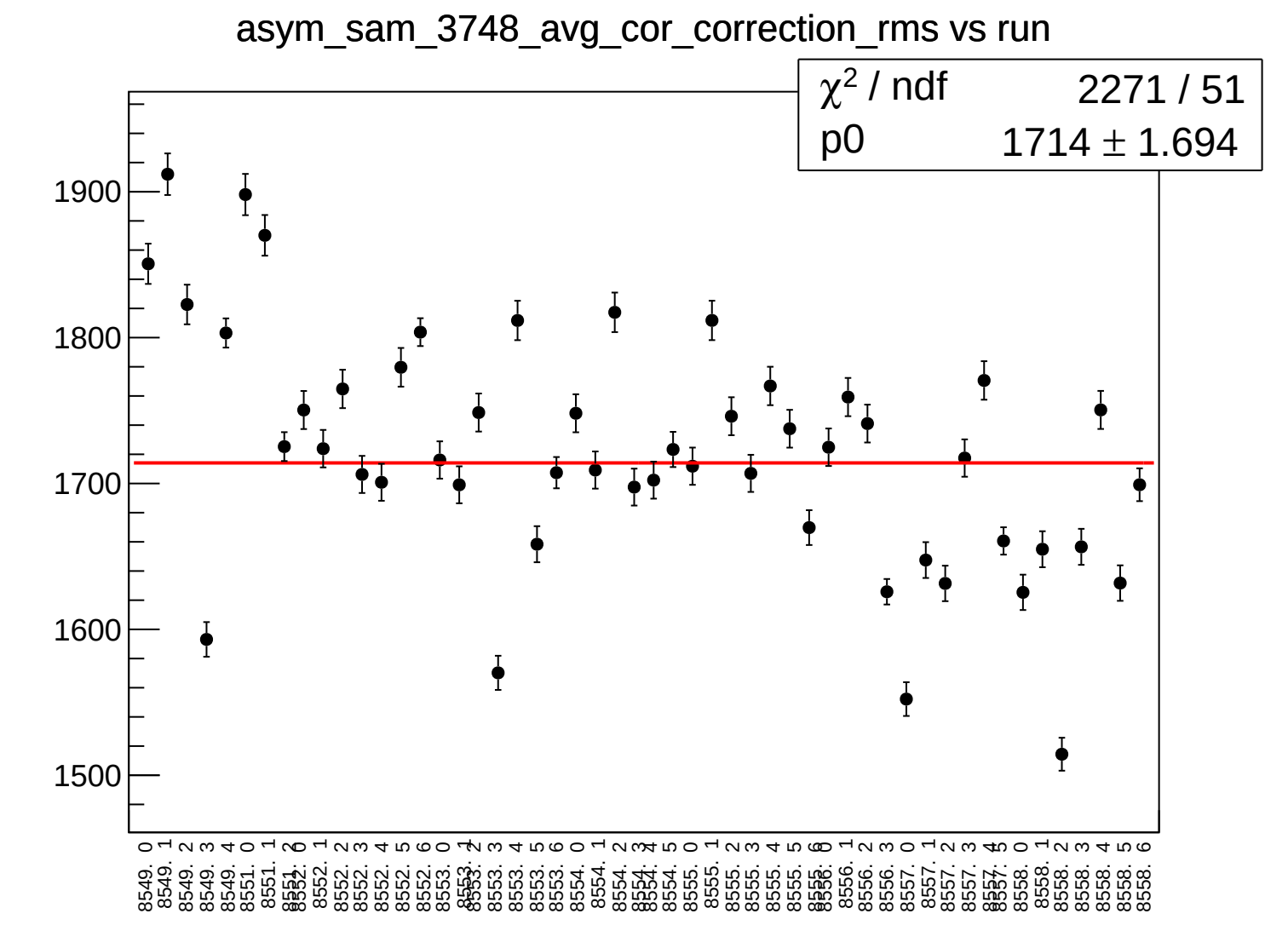

cor_asym_sam_3748_avg_mean vs run
χ² / ndf 66.12 / 51
p0 524.7 ± 225.3
pull
Entries 52
Mean 2932
Std Dev 0

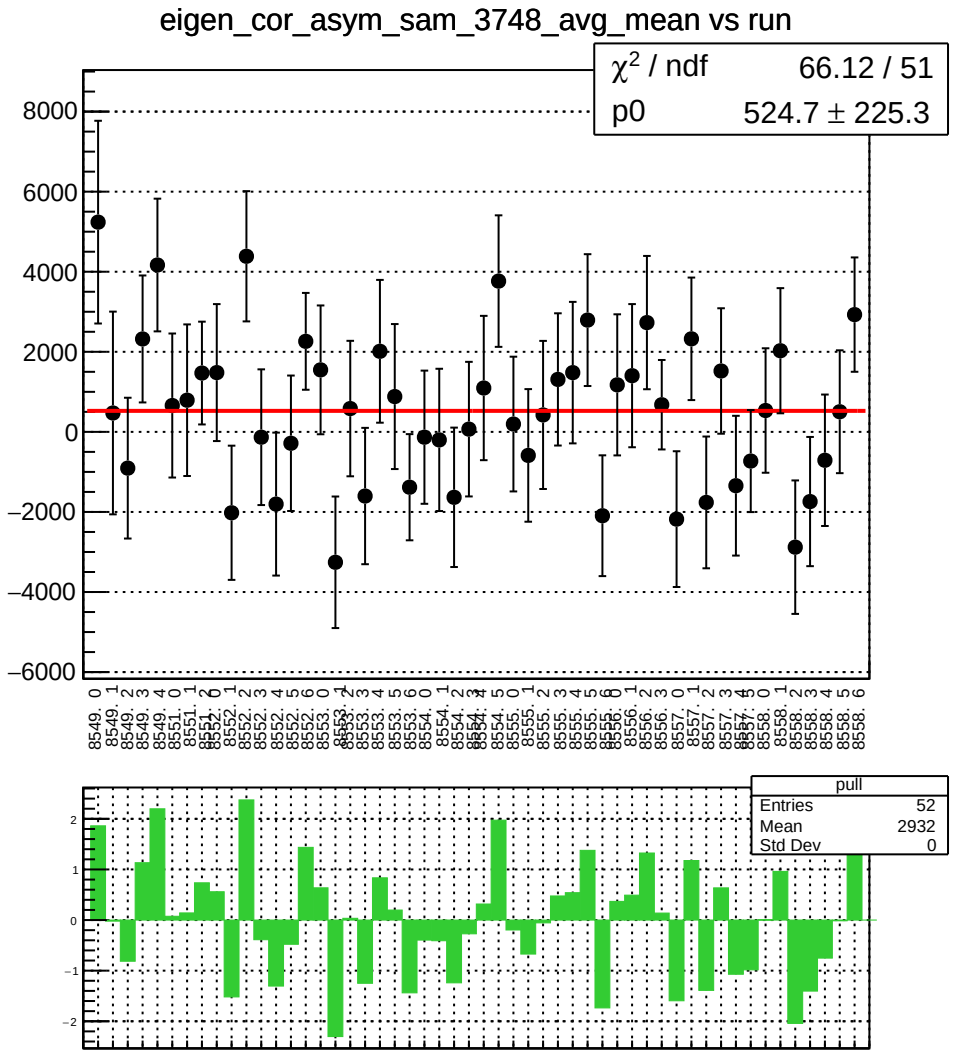

pull1D
Entries 52
Mean −0.001023
Std Dev 1.128

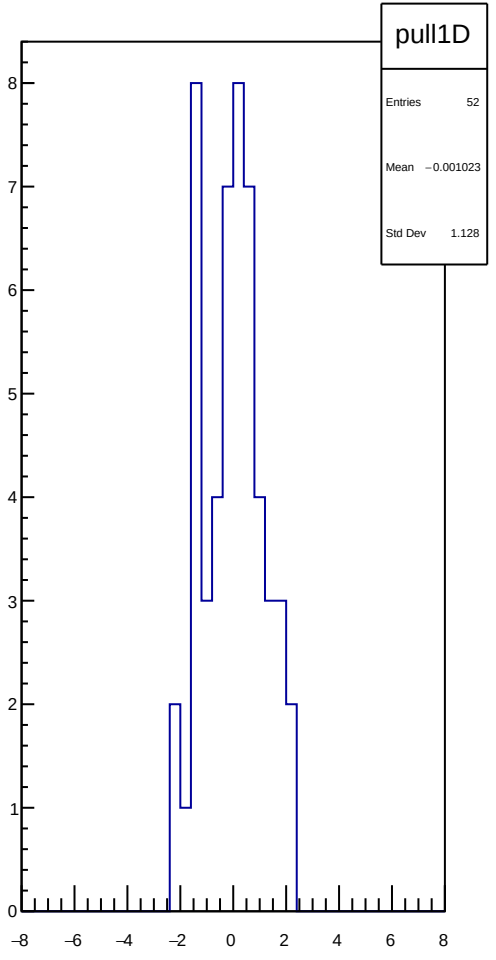

cor_asym_sam_3748_avg_rms vs run
χ² / ndf 8387 / 51
p0 160.8 ± 0.1593
240
220
200
180
160
140
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 5
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

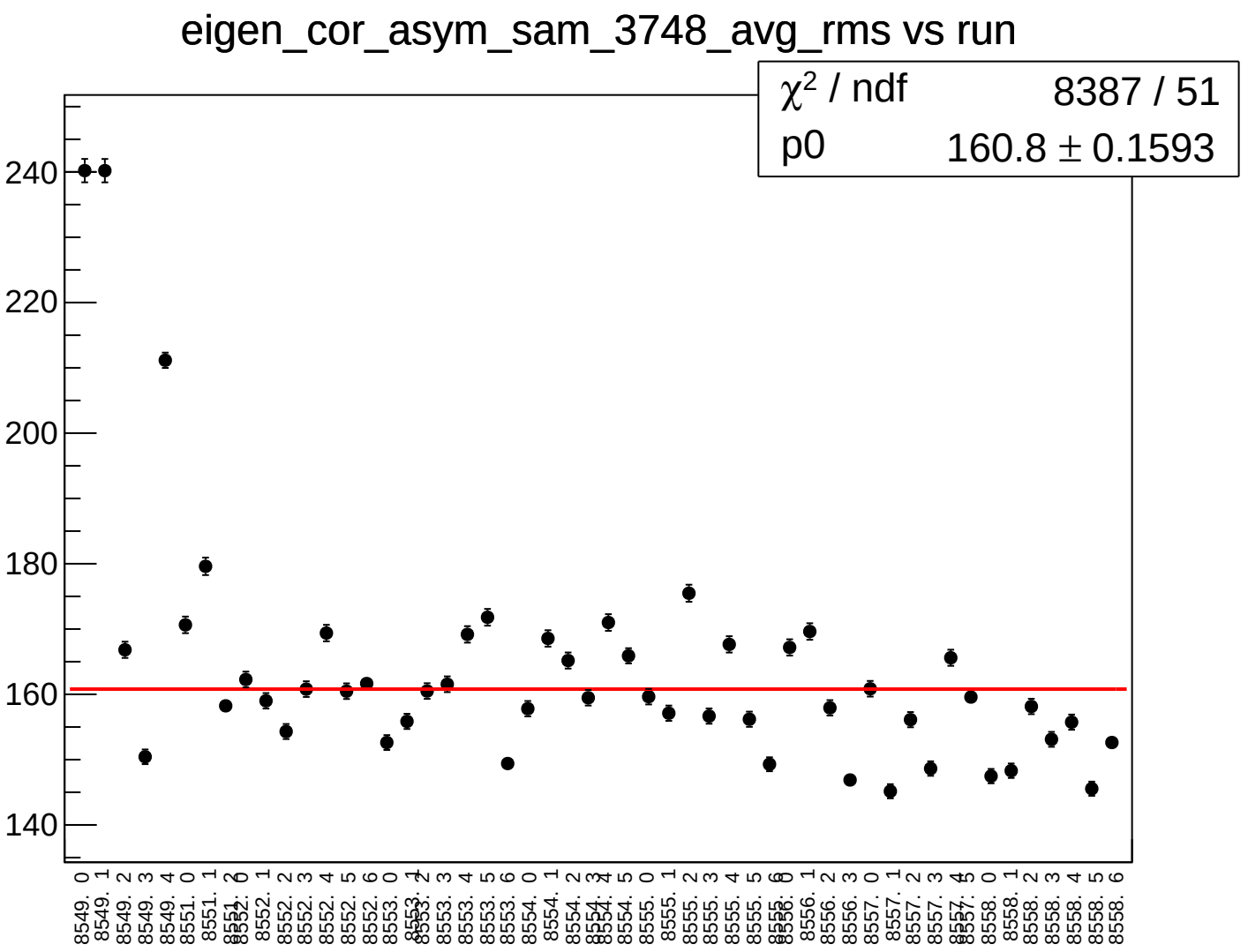

asym_sam_3748_avg_cor_correction_mean vs run
χ² / ndf 70.54 / 51
p0 −6143 ± 2395
60000
40000
20000
0
−20000
−40000
−60000
−80000
pull
Entries 52
Mean 20.64
Std Dev 0
2
1
0
−1
−2
−3


pull1D
Entries 52
Mean −0.03961
Std Dev 1.164
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


asym_sam_3748_avg_cor_correction_rms vs run
χ² / ndf 2271 / 51
p0 1714 ± 1.694
1900
1800
1700
1600
1500
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6


eigen_cor_asym_sam_3748_avg_mean vs run
χ² / ndf 66.12 / 51
p0 524.7 ± 225.3
pull
Entries 52
Mean 2932
Std Dev 0


pull1D
Entries 52
Mean −0.001023
Std Dev 1.128


eigen_cor_asym_sam_3748_avg_rms vs run
χ² / ndf 8387 / 51
p0 160.8 ± 0.1593
240
220
200
180
160
140
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
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8553. 6
8554. 0
8554. 1
8554. 2
8554. 5
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8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
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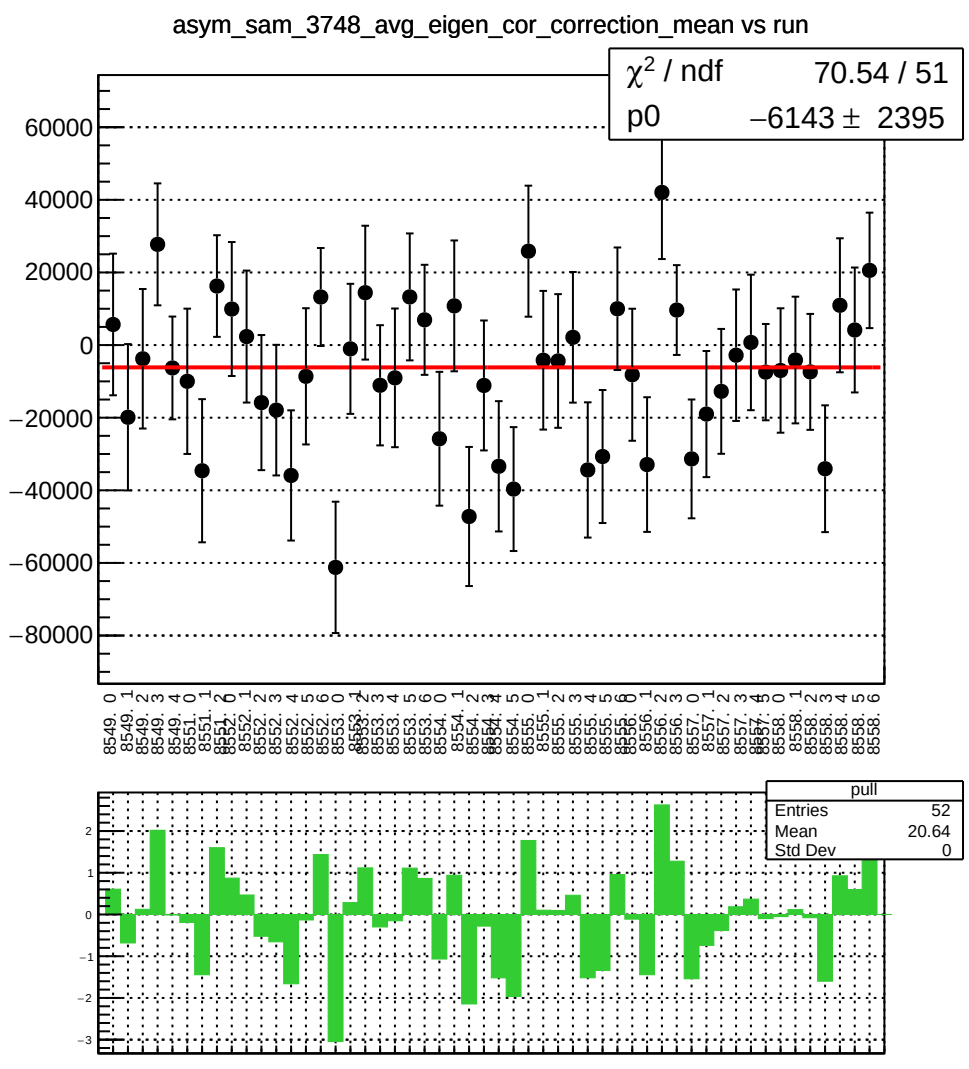
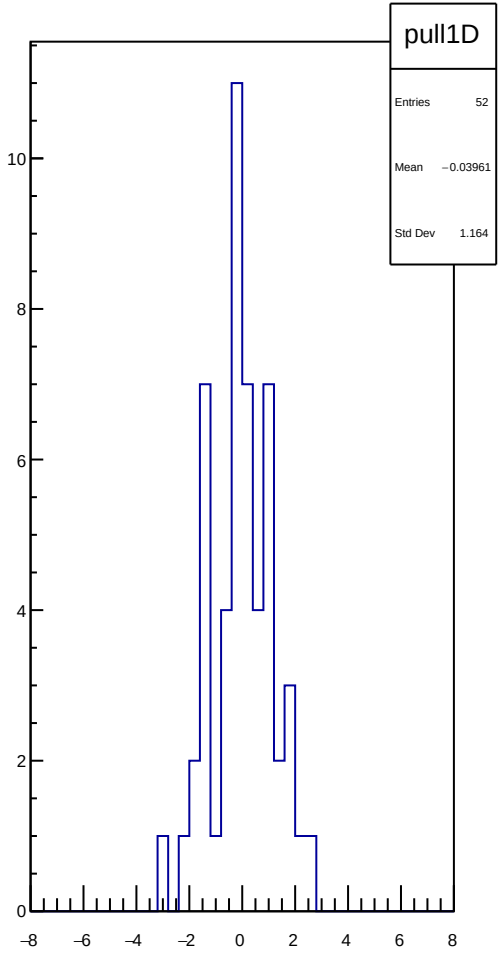
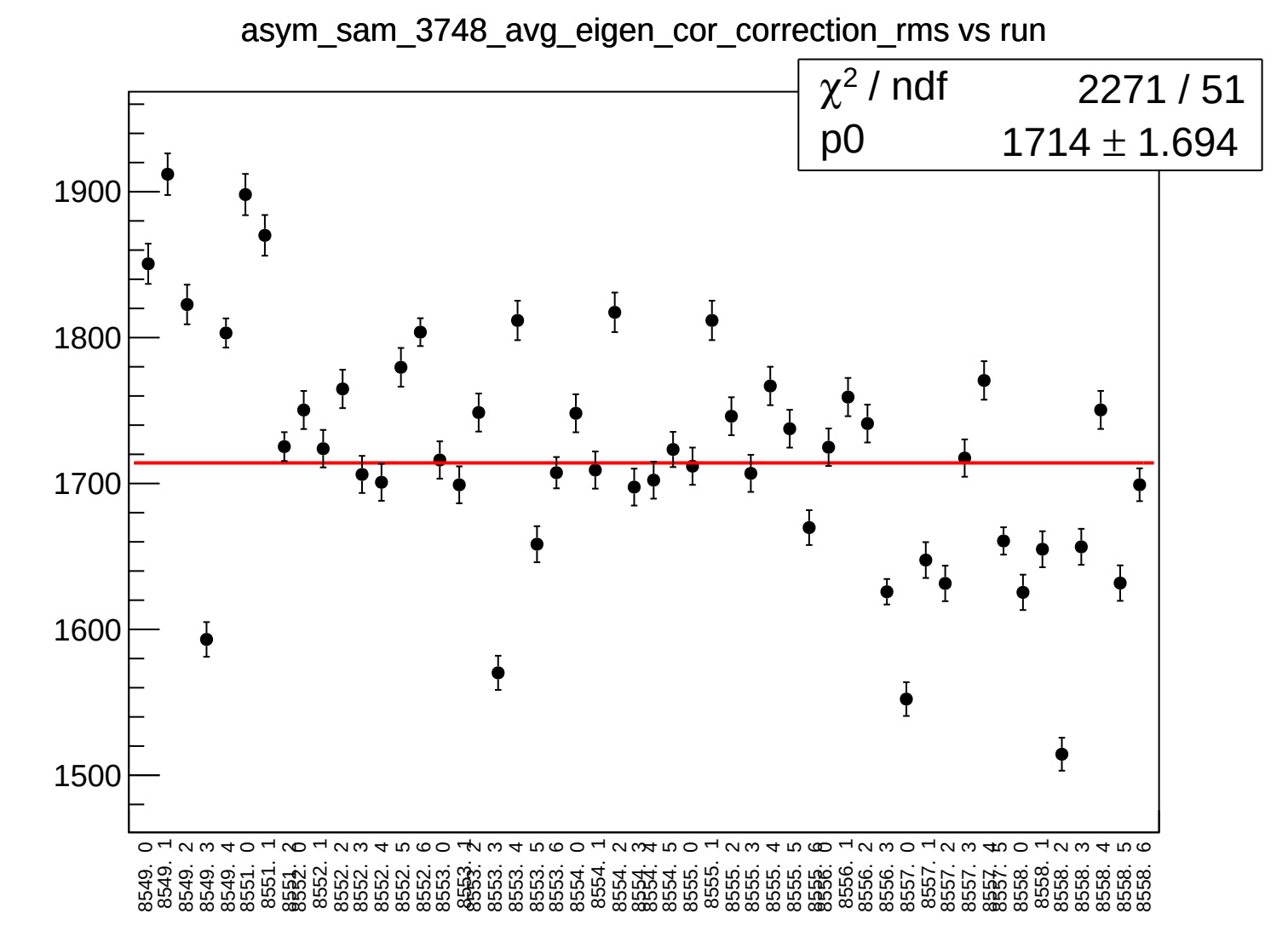
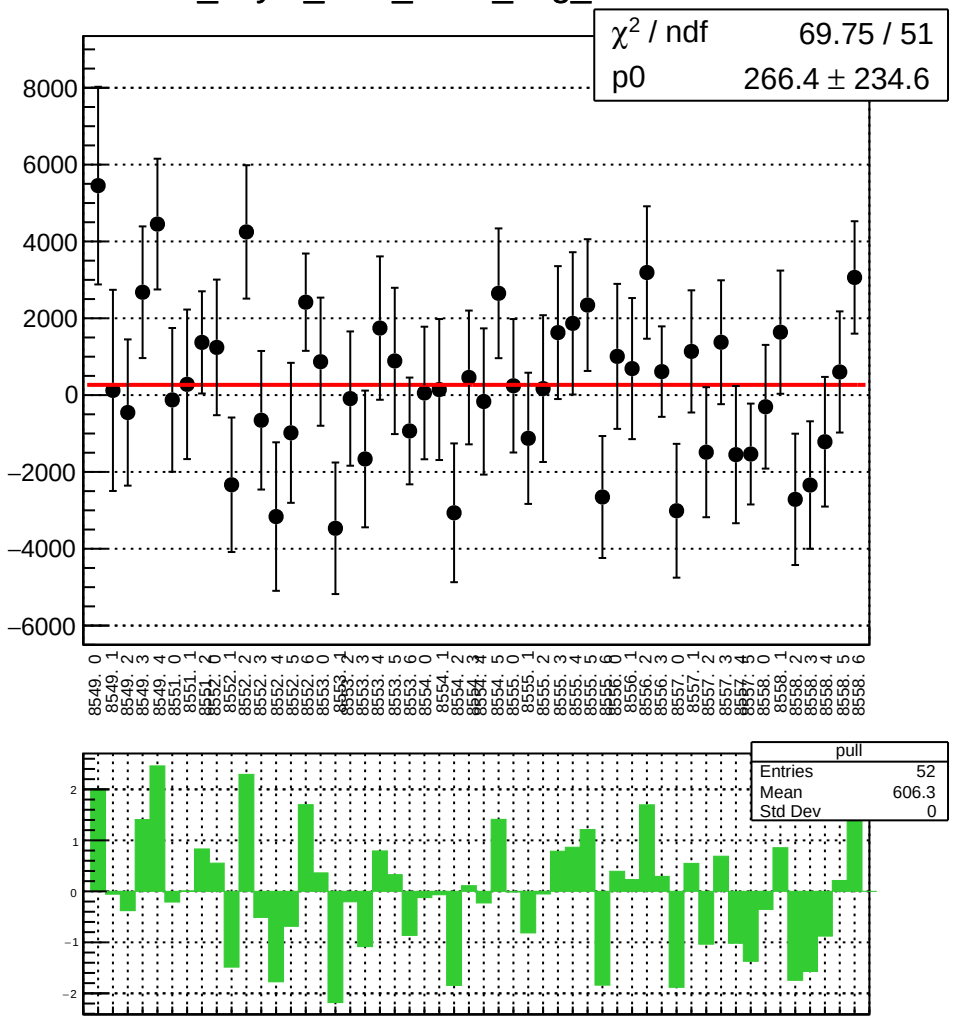
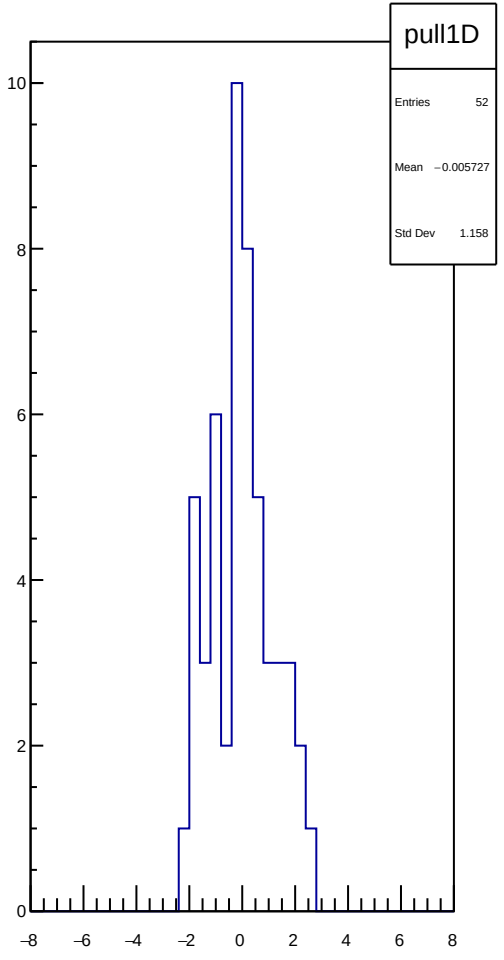
8558. 5
8558. 6

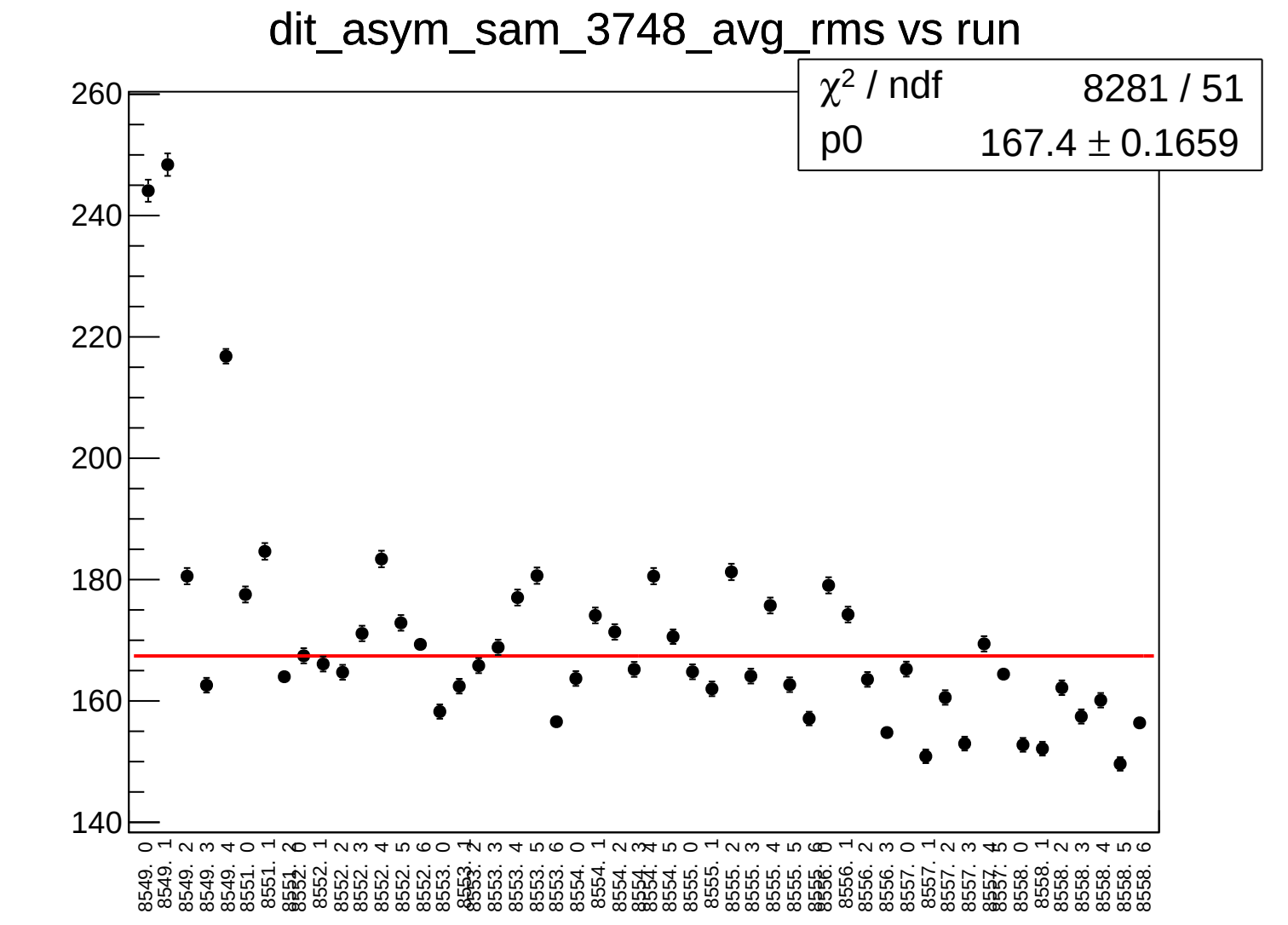

asym_sam_3748_avg_eigen_cor_correction_mean vs run
χ² / ndf 70.54 / 51
p0 −6143 ± 2395
60000
40000
20000
0
−20000
−40000
−60000
−80000
pull
Entries 52
Mean 20.64
Std Dev 0
2
1
0
−1
−2
−3


pull1D
Entries 52
Mean −0.03961
Std Dev 1.164
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


asym_sam_3748_avg_eigen_cor_correction_rms vs run
χ² / ndf 2271 / 51
p0 1714 ± 1.694
1900
1800
1700
1600
1500
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6


dit_asym_sam_3748_avg_mean vs run
χ^2 / ndf 69.75 / 51
p0 266.4 ± 234.6
pull
Entries 52
Mean 606.3
Std Dev 0


pull1D
Entries 52
Mean −0.005727
Std Dev 1.158


dit_asym_sam_3748_avg_rms vs run
χ² / ndf 8281 / 51
p0 167.4 ± 0.1659
260
240
220
200
180
160
140
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 5
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
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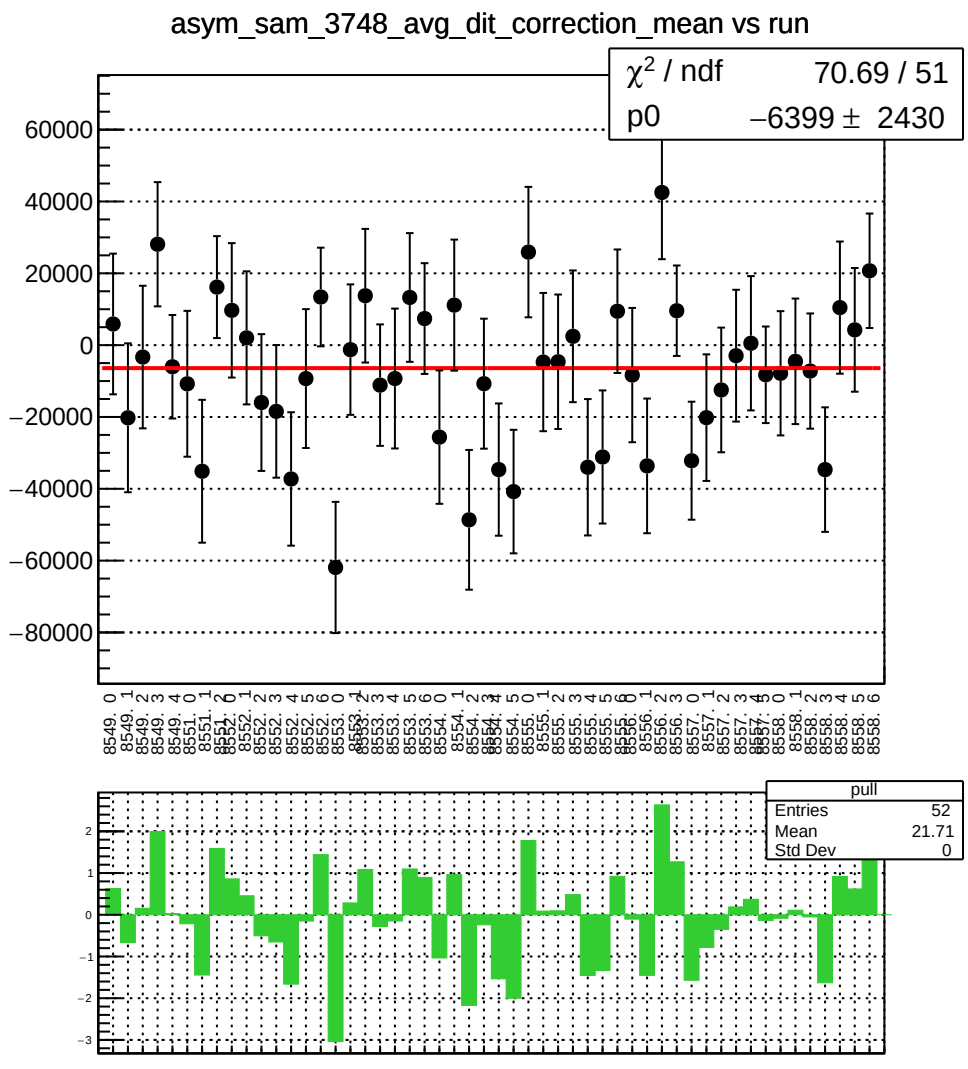
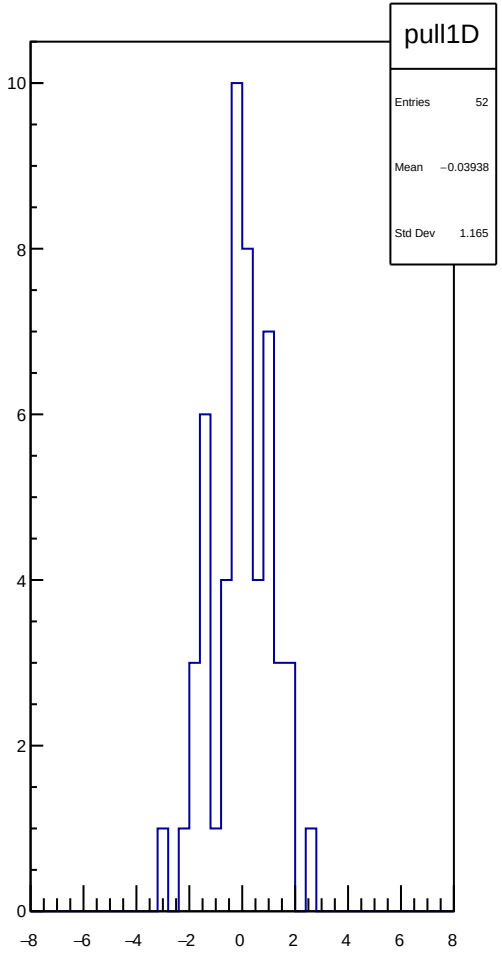
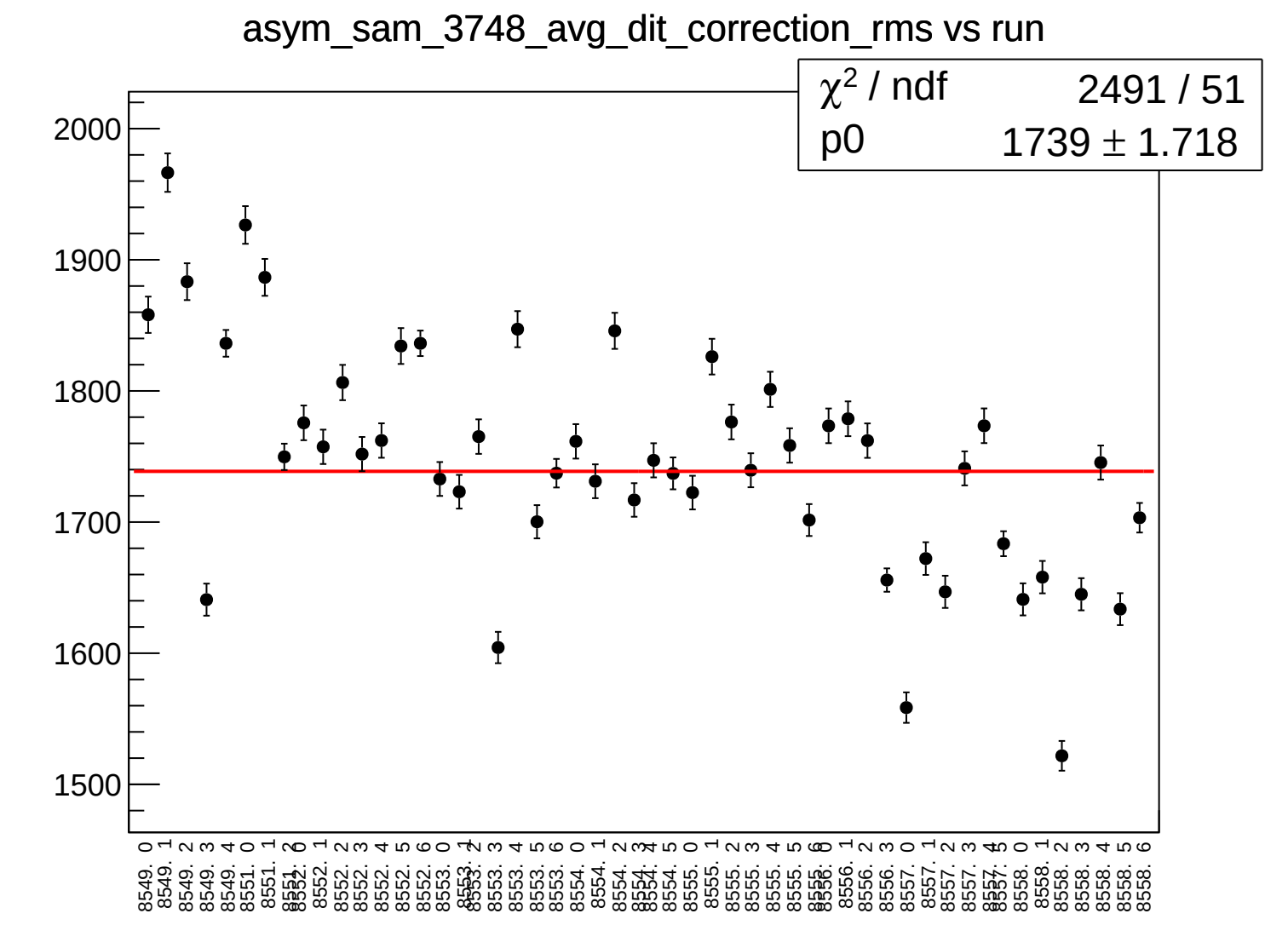
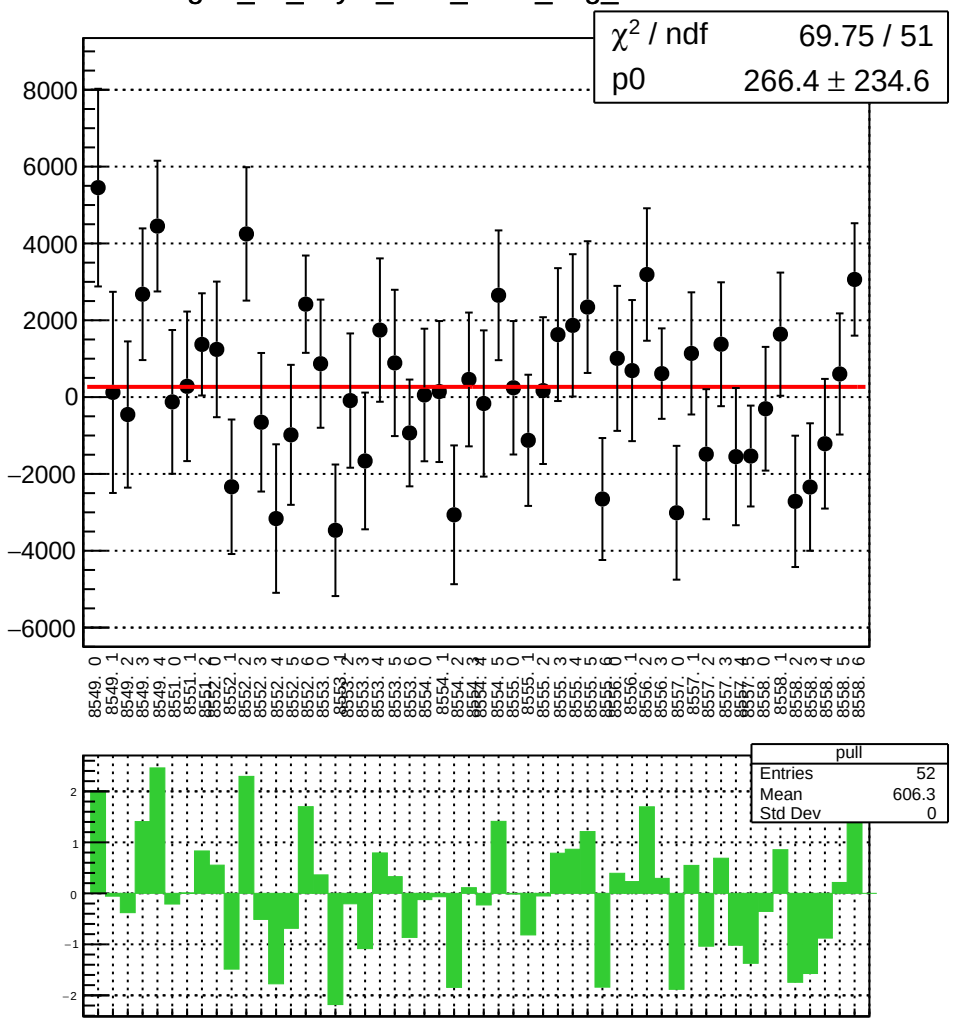
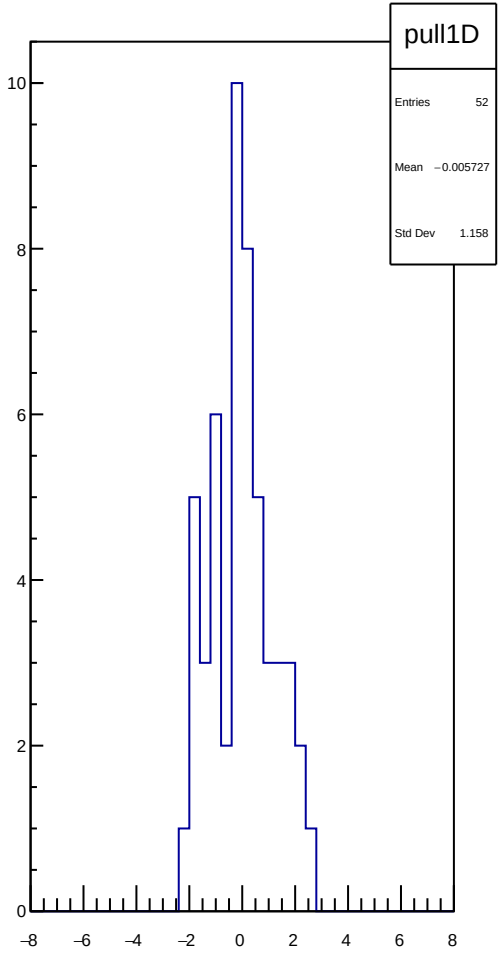
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

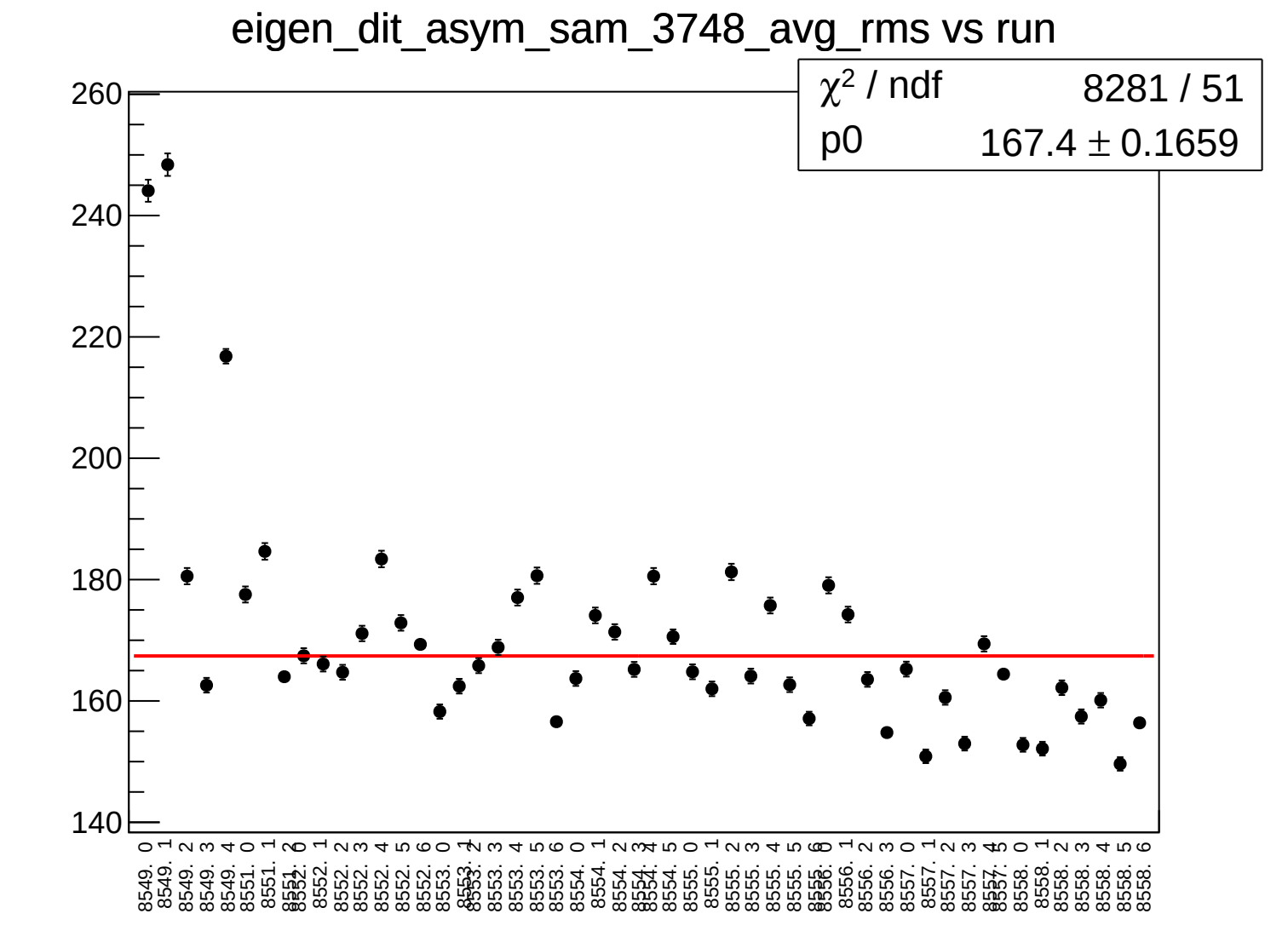

asym_sam_3748_avg_dit_correction_mean vs run
χ² / ndf 70.69 / 51
p0 −6399 ± 2430
pull
Entries 52
Mean 21.71
Std Dev 0

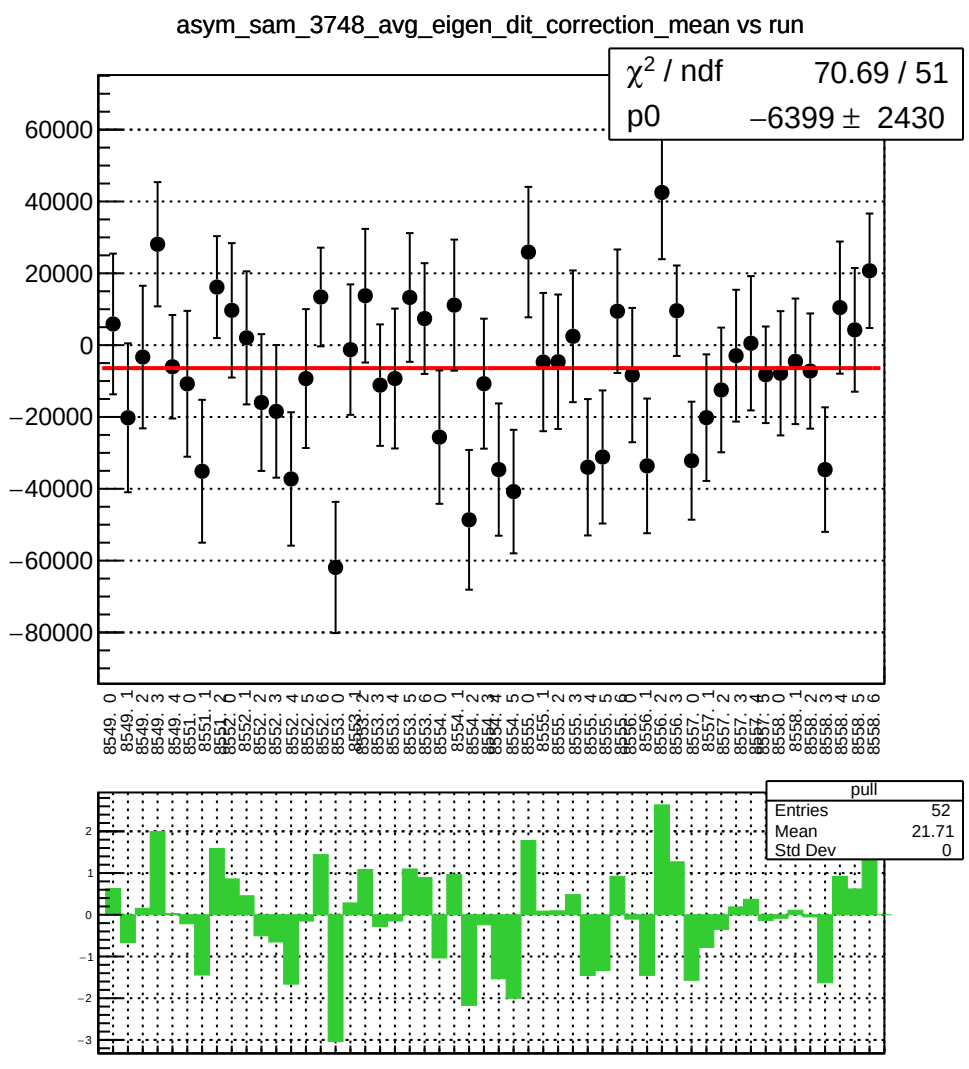

pull1D
Entries 52
Mean −0.03938
Std Dev 1.165

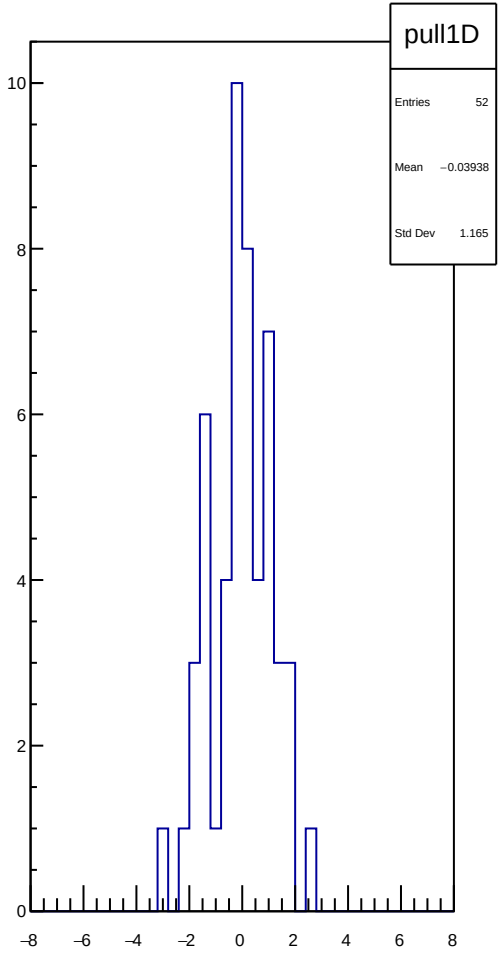

asym_sam_3748_avg_dit_correction_rms vs run
χ² / ndf 2491 / 51
p0 1739 ± 1.718
2000
1900
1800
1700
1600
1500
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

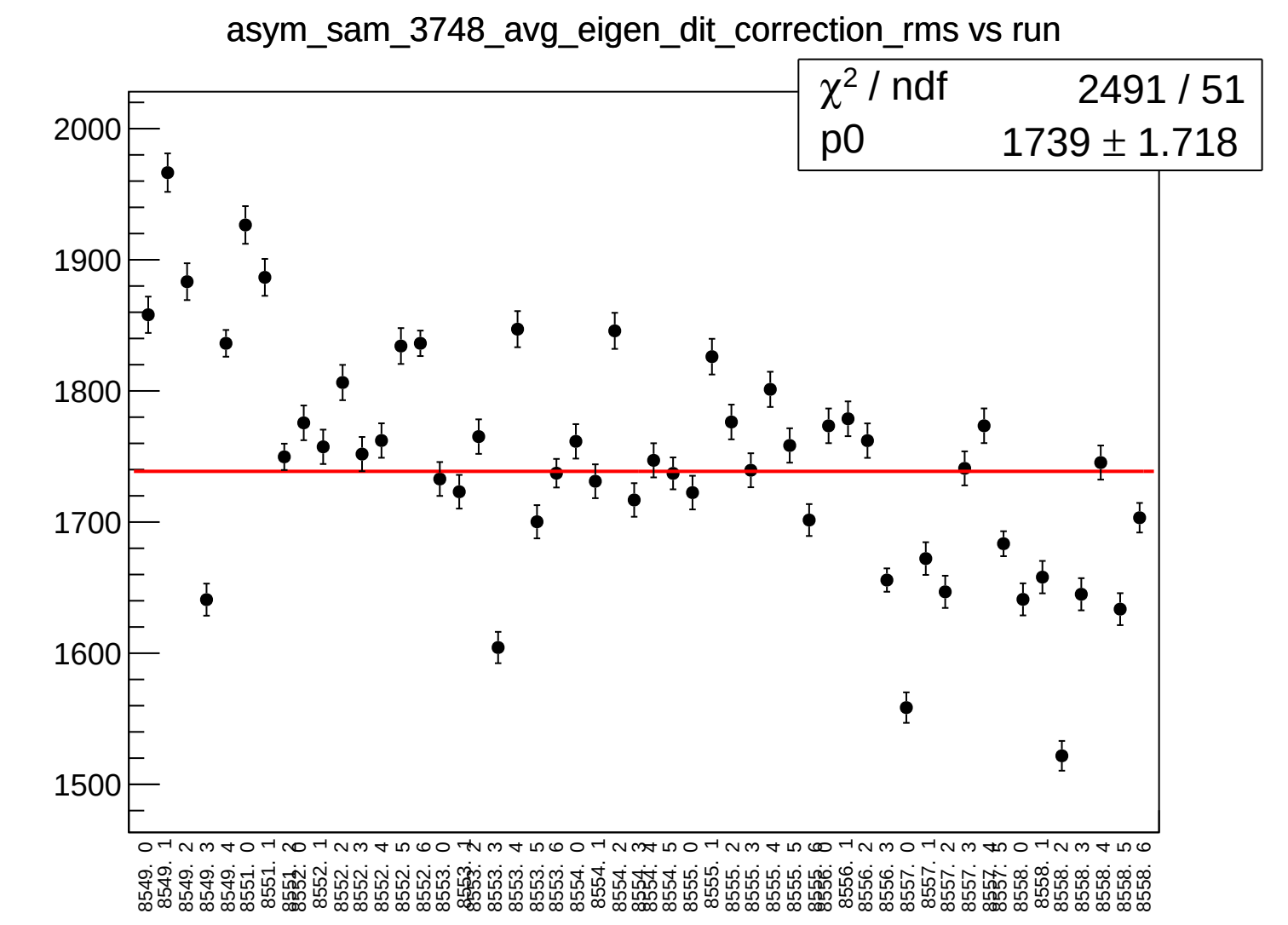

eigen_dit_asym_sam_3748_avg_mean vs run
χ² / ndf 69.75 / 51
p0 266.4 ± 234.6
pull
Entries 52
Mean 606.3
Std Dev 0

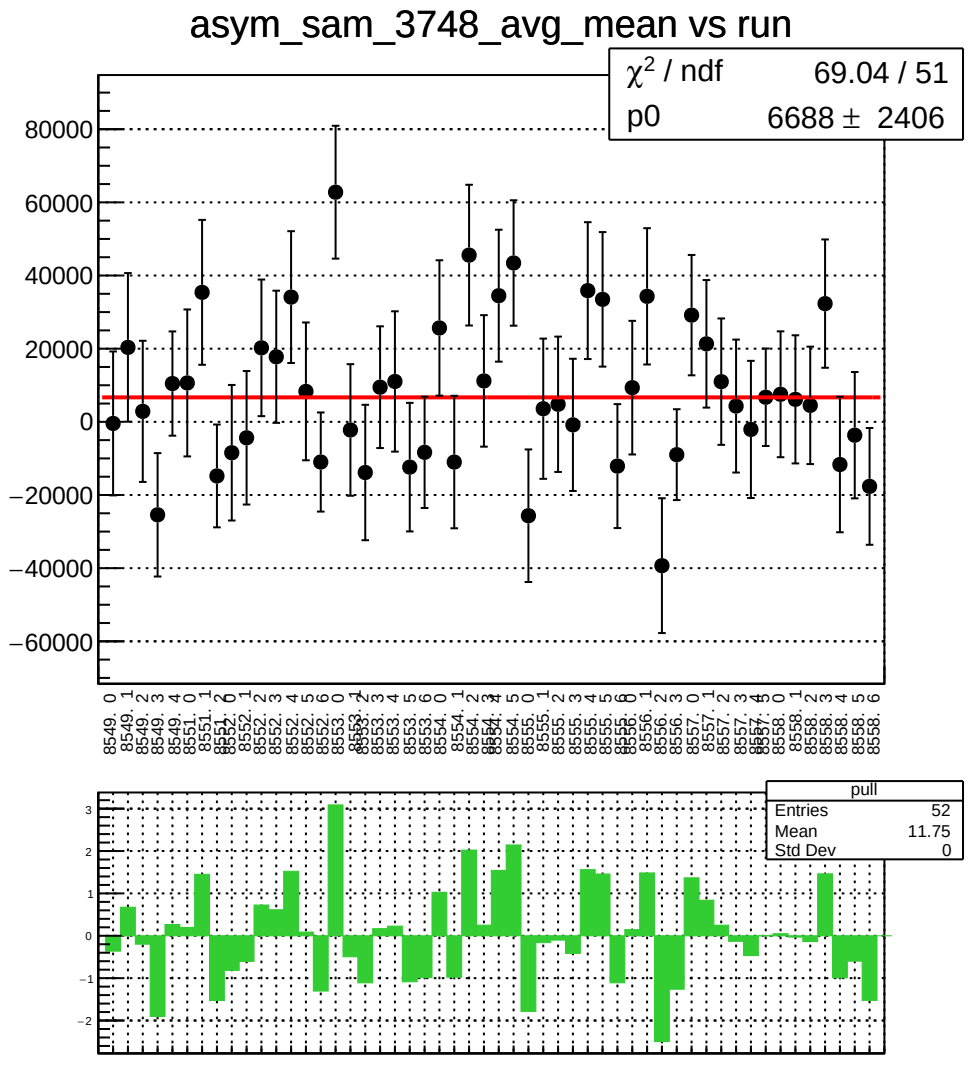

pull1D
Entries 52
Mean −0.005727
Std Dev 1.158

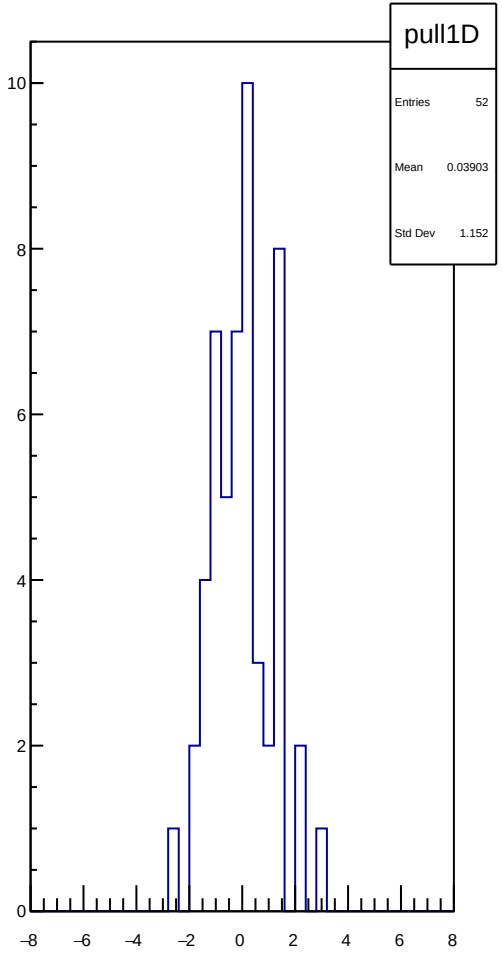

eigen_dit_asym_sam_3748_avg_rms vs run
χ² / ndf 8281 / 51
p0 167.4 ± 0.1659
260
240
220
200
180
160
140
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 5
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

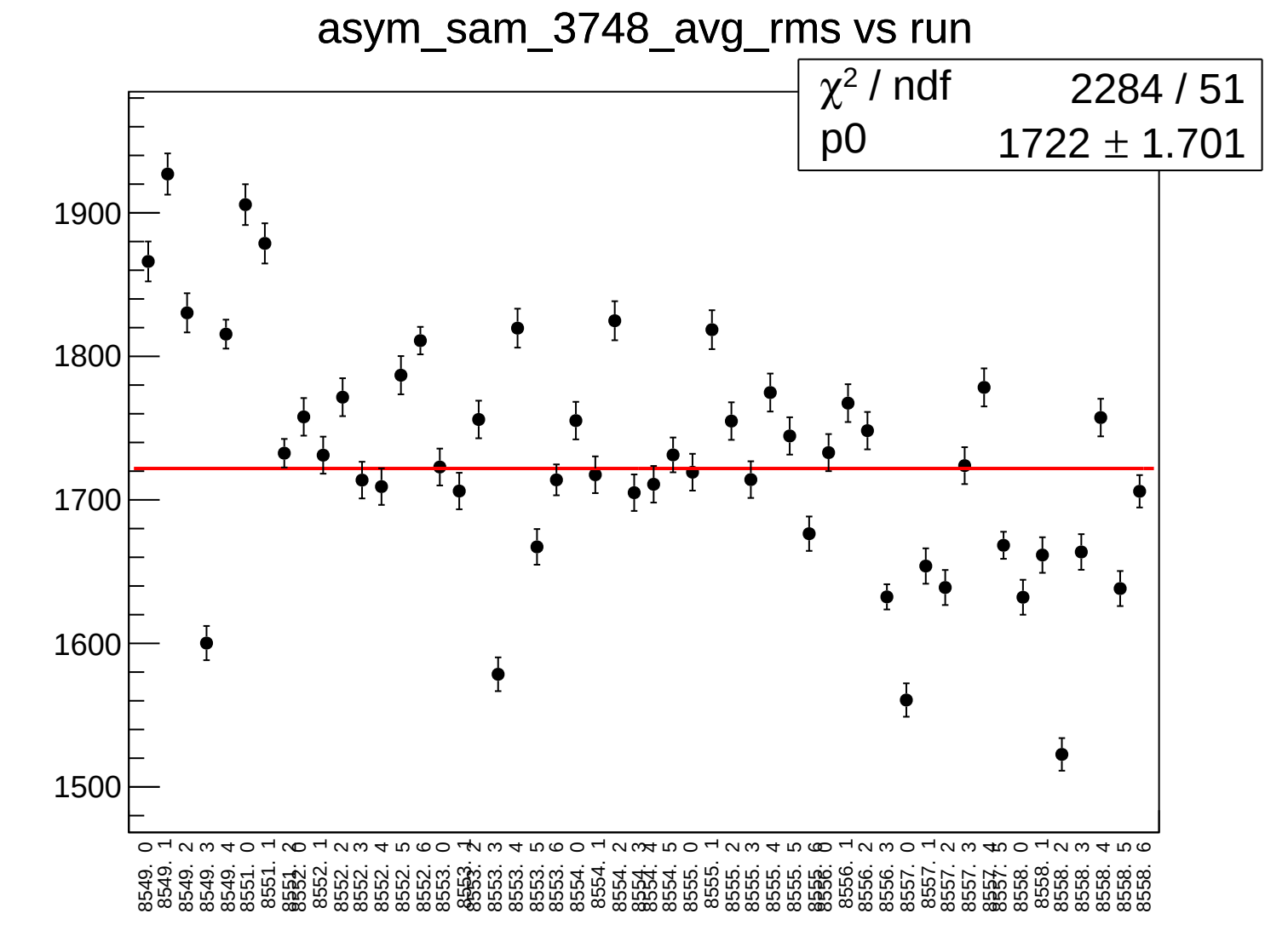

asym_sam_3748_avg_eigen_dit_correction_mean vs run
χ² / ndf 70.69 / 51
p0 −6399 ± 2430
60000
40000
20000
0
−20000
−40000
−60000
−80000
pull
Entries 52
Mean 21.71
Std Dev 0
2
1
0
−1
−2
−3


pull1D
Entries 52
Mean −0.03938
Std Dev 1.165
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


asym_sam_3748_avg_eigen_dit_correction_rms vs run
χ² / ndf 2491 / 51
p0 1739 ± 1.718
2000
1900
1800
1700
1600
1500
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6


asym_sam_3748_avg_mean vs run
χ² / ndf 69.04 / 51
p0 6688 ± 2406
80000
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 52
Mean 11.75
Std Dev 0
3
2
1
0
−1
−2


pull1D
Entries 52
Mean 0.03903
Std Dev 1.152
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


asym_sam_3748_avg_rms vs run
χ² / ndf 2284 / 51
p0 1722 ± 1.701
1900
1800
1700
1600
1500
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
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8558. 0
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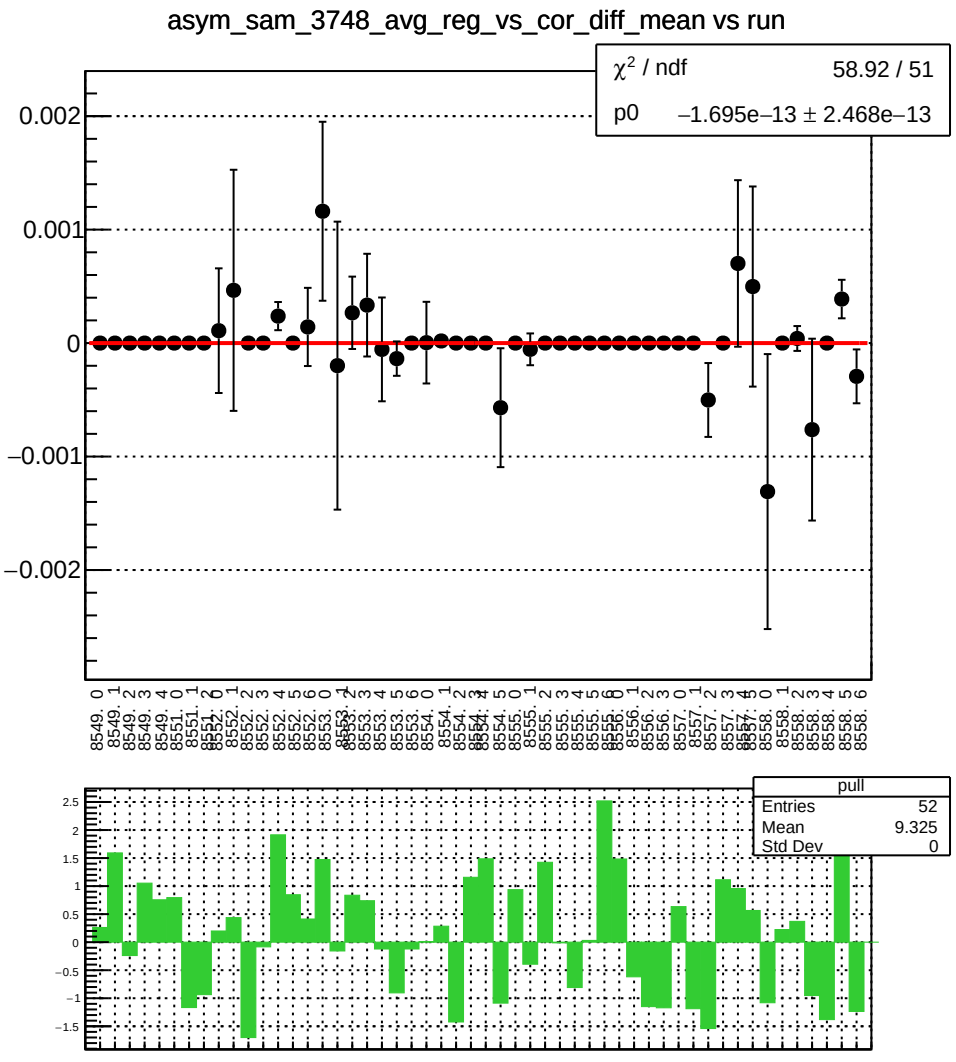
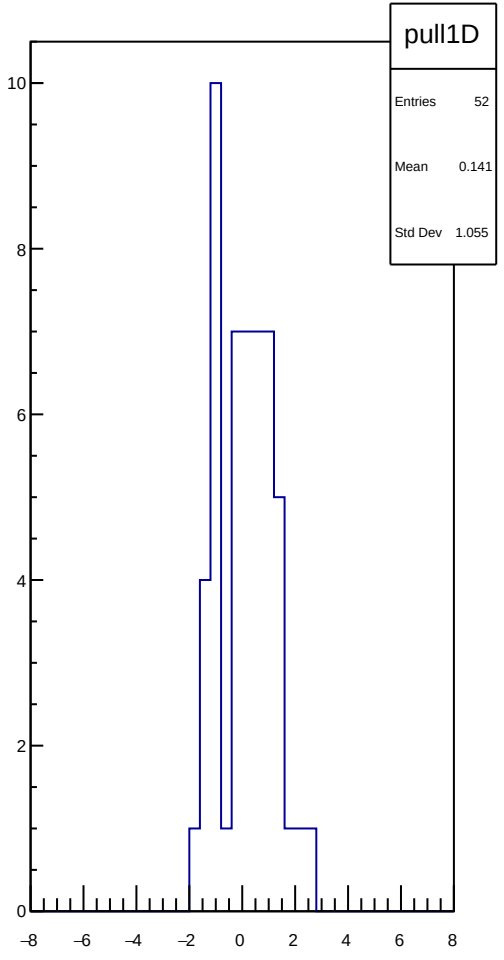
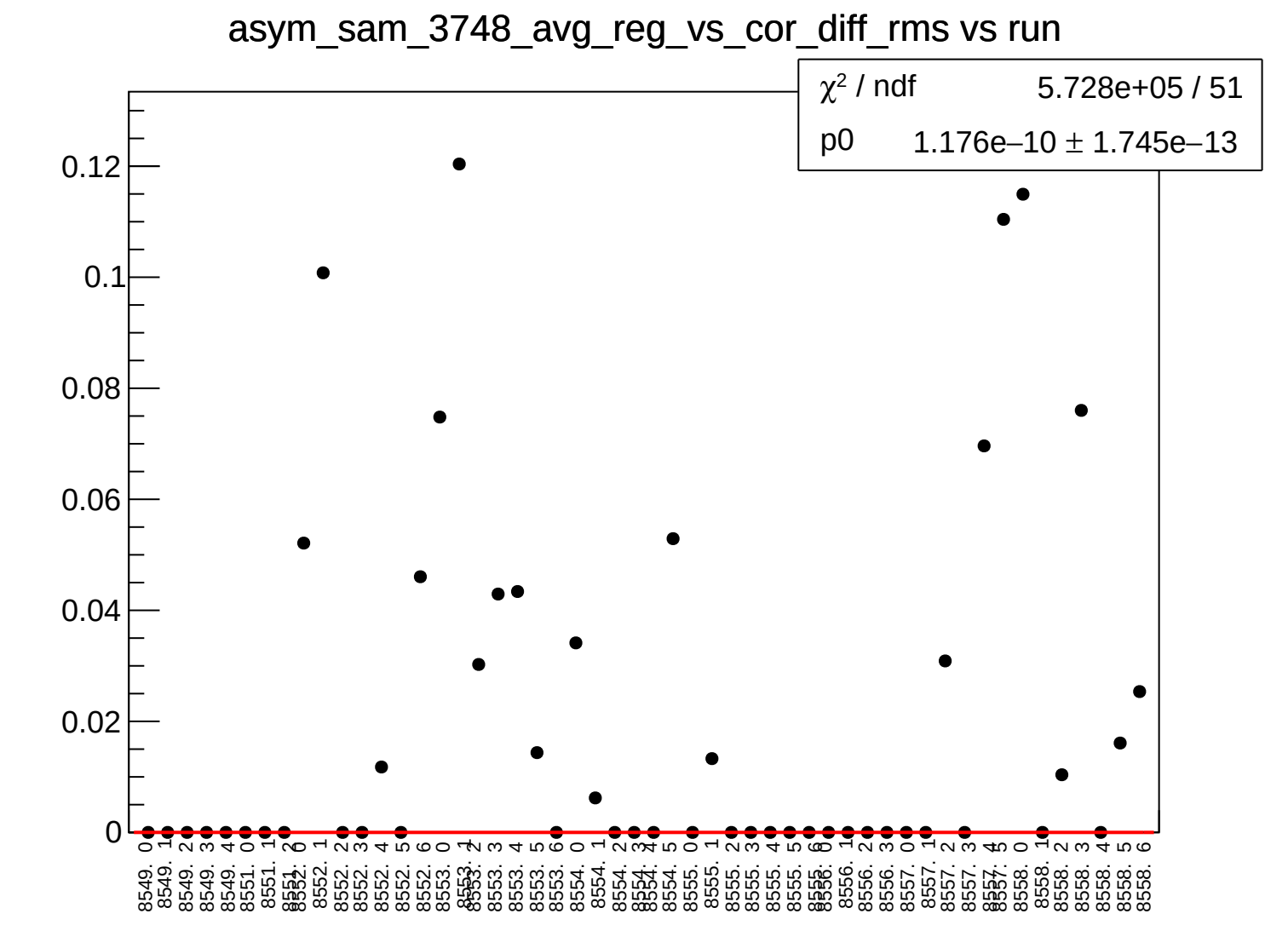
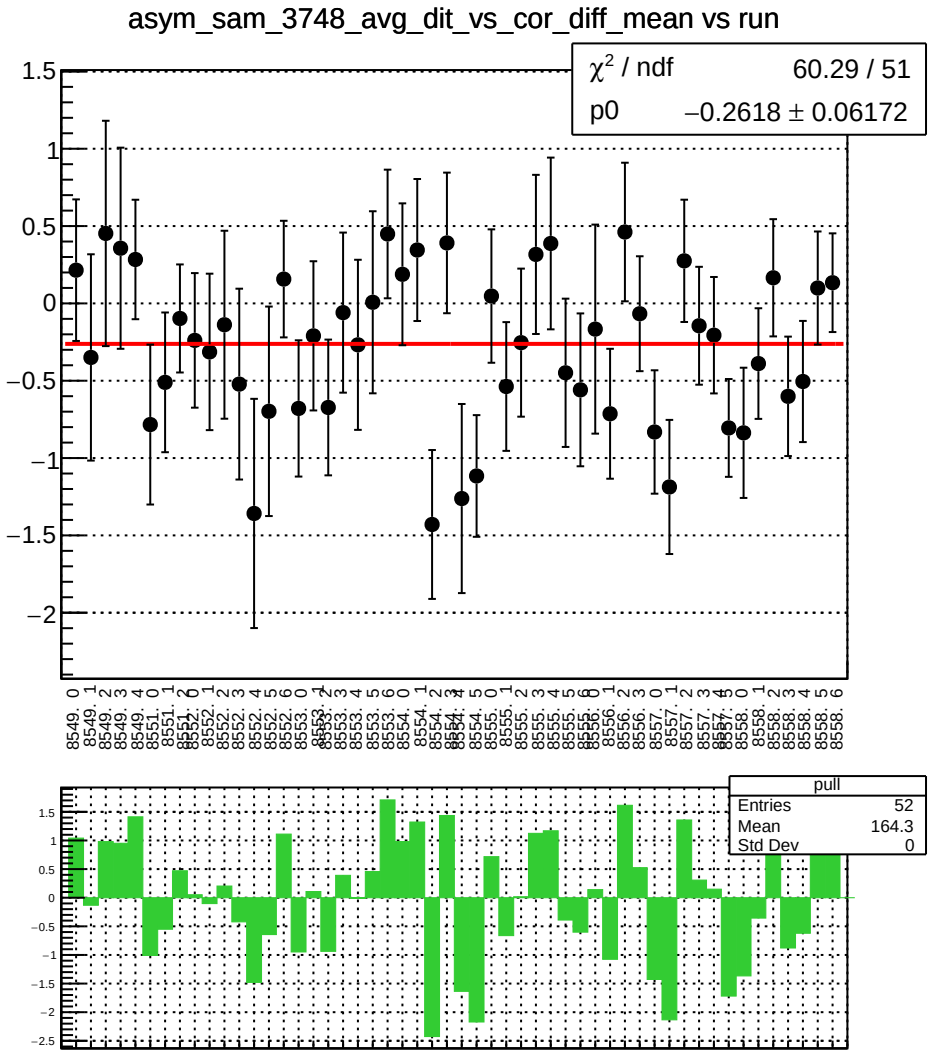
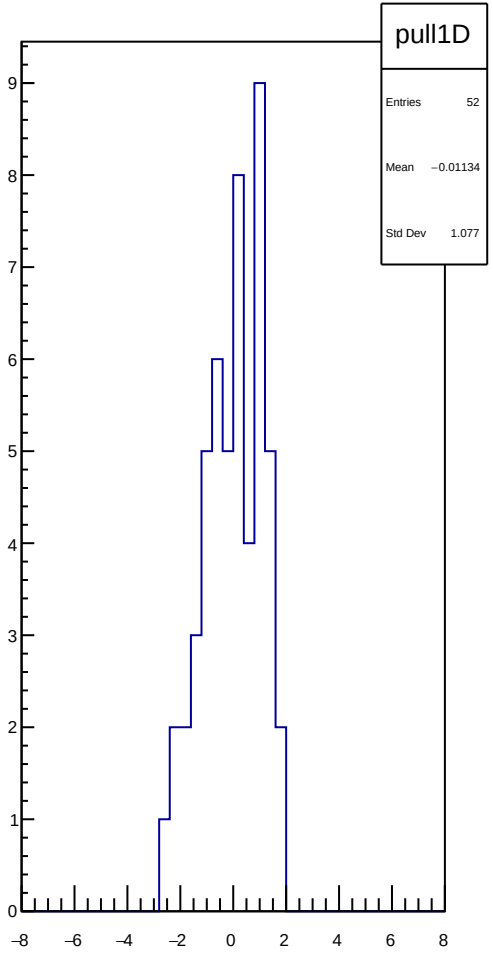
8558. 5
8558. 6

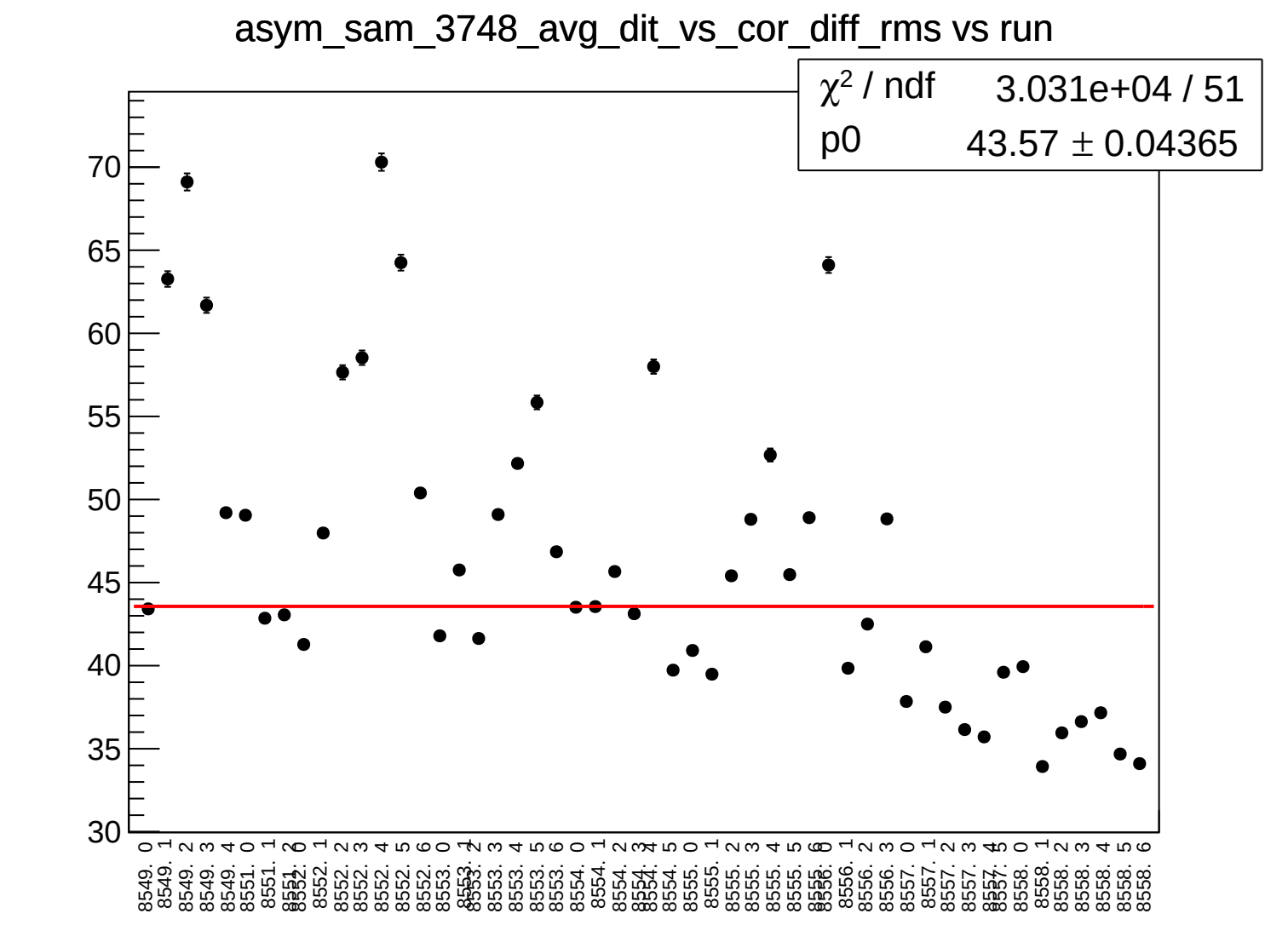

asym_sam_3748_avg_reg_vs_cor_diff_mean vs run
χ² / ndf 58.92 / 51
p0 −1.695e−13 ± 2.468e−13
0.002
0.001
0
−0.001
−0.002
pull
Entries 52
Mean 9.325
Std Dev 0

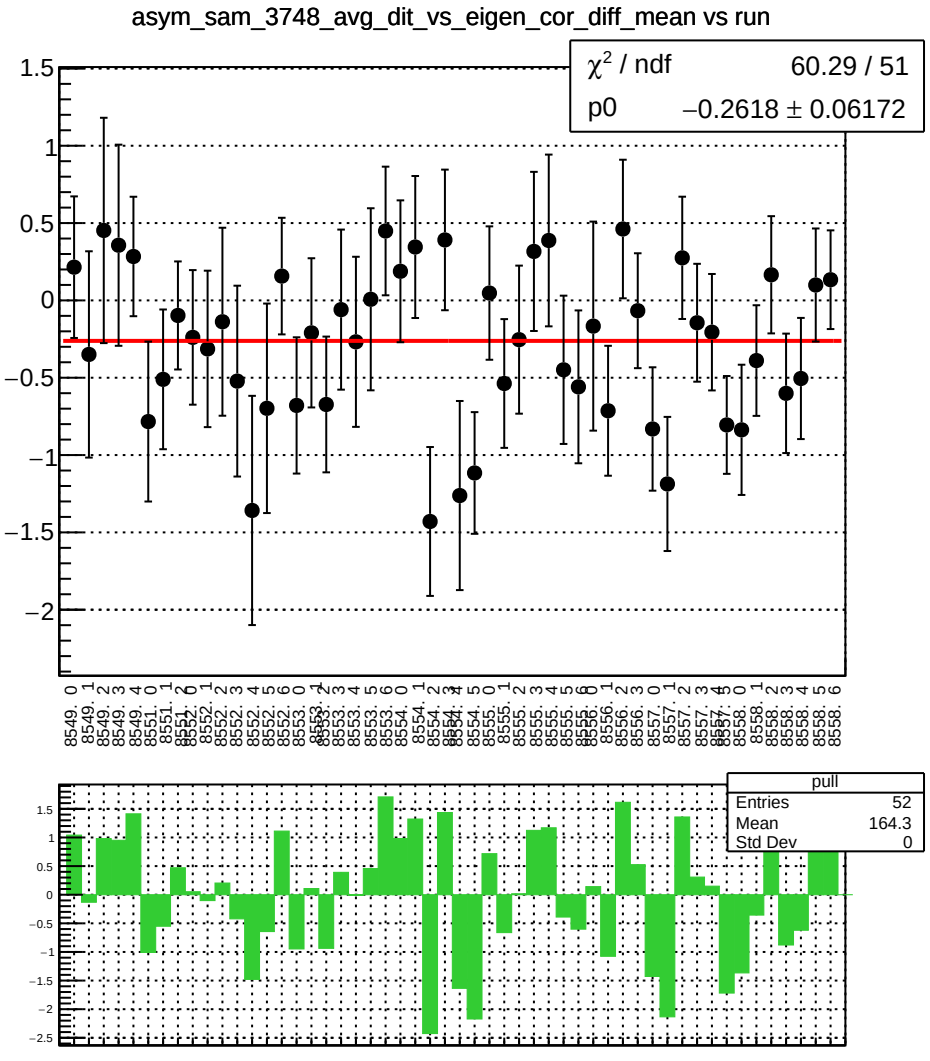

pull1D
Entries 52
Mean 0.141
Std Dev 1.055

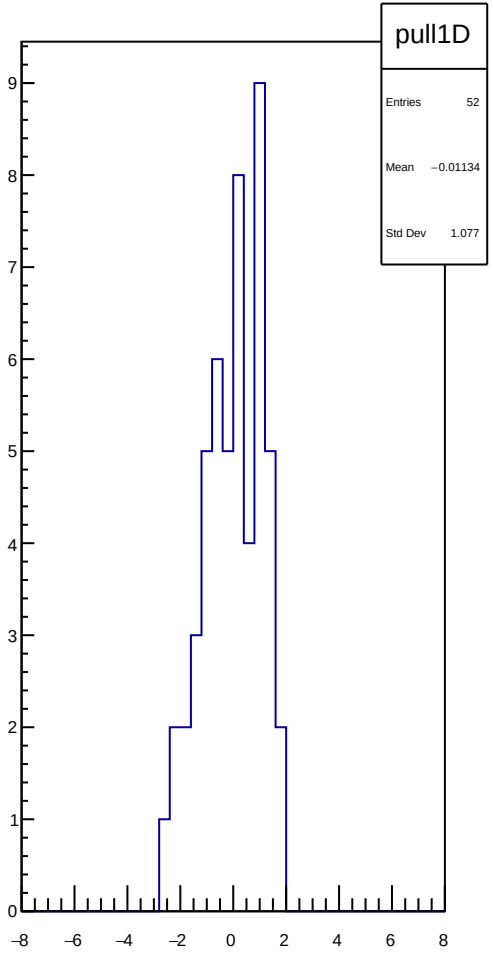

asym_sam_3748_avg_reg_vs_cor_diff_rms vs run
χ² / ndf 5.728e+05 / 51
p0 1.176e−10 ± 1.745e−13
0.12
0.1
0.08
0.06
0.04
0.02
0

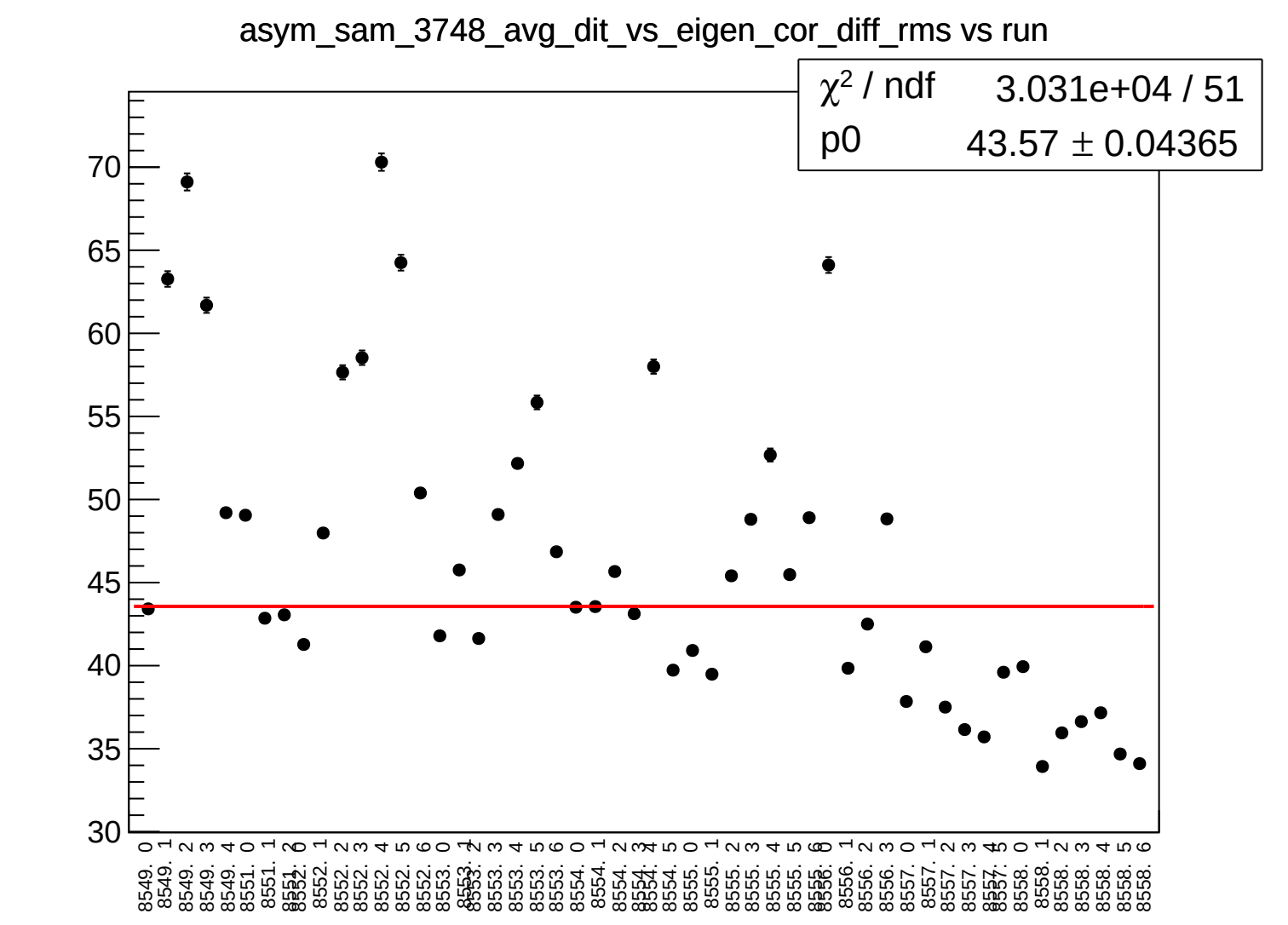

asym_sam_3748_avg_dit_vs_cor_diff_mean vs run
χ² / ndf 60.29 / 51
p0 −0.2618 ± 0.06172
pull
Entries 52
Mean 164.3
Std Dev 0

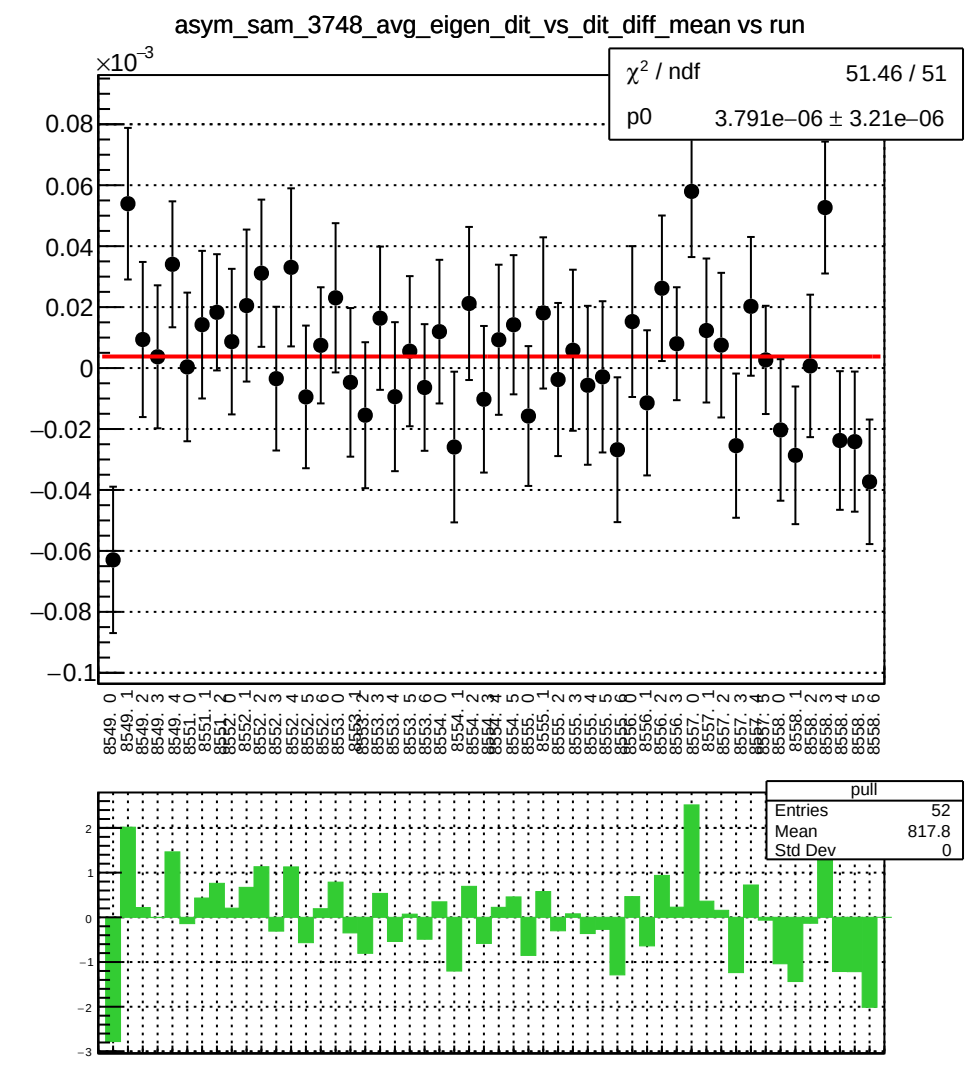

pull1D
Entries 52
Mean −0.01134
Std Dev 1.077

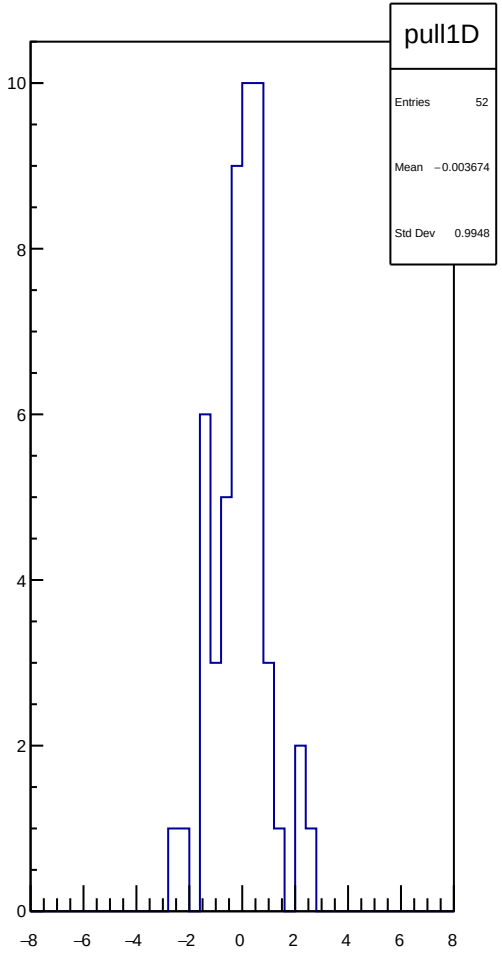

asym_sam_3748_avg_dit_vs_cor_diff_rms vs run
χ^2 / ndf 3.031e+04 / 51
p0 43.57 ± 0.04365
70
65
60
55
50
45
40
35
30
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

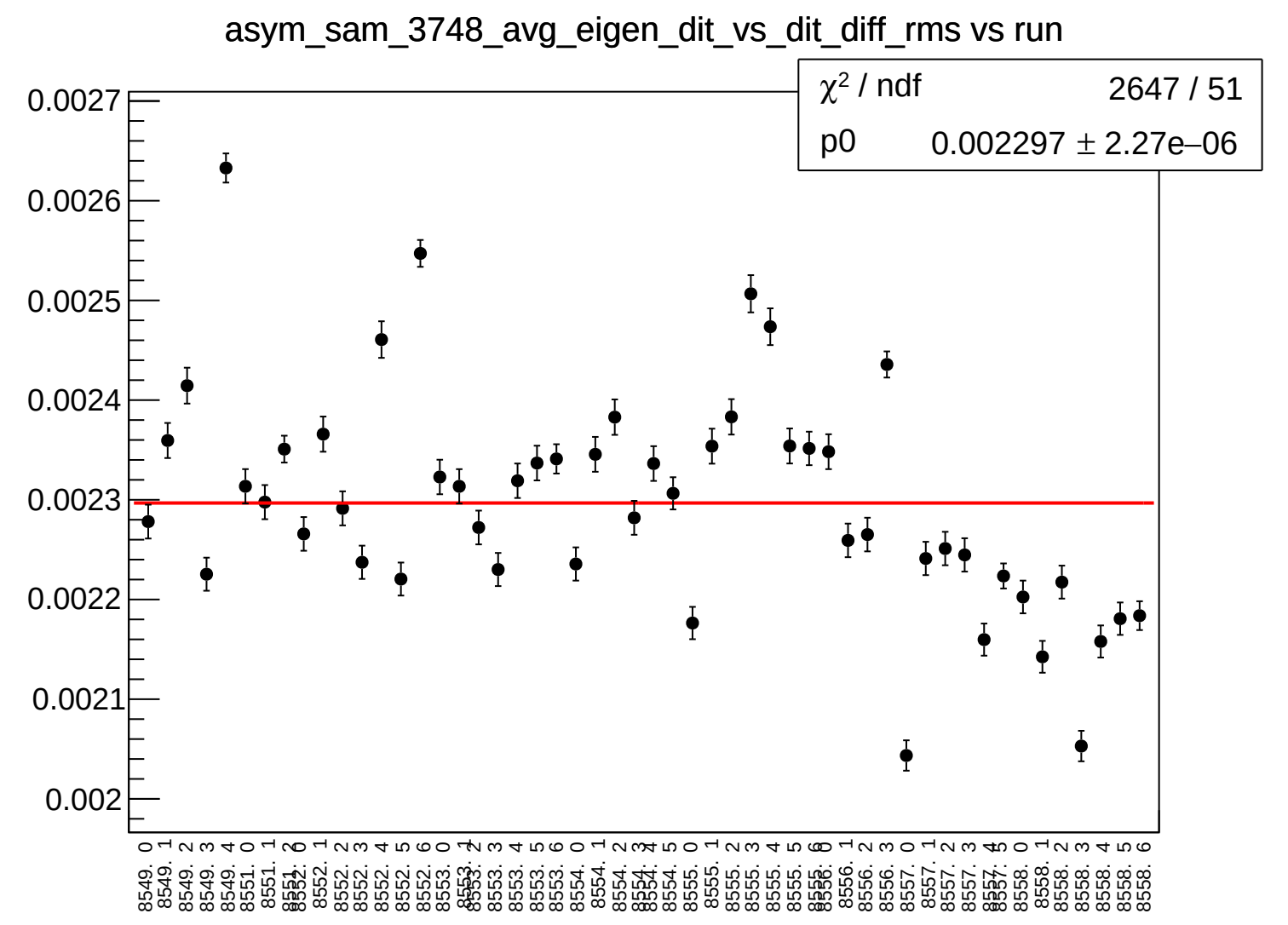

asym_sam_3748_avg_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 60.29 / 51
p0 −0.2618 ± 0.06172
pull
Entries 52
Mean 164.3
Std Dev 0


pull1D
Entries 52
Mean −0.01134
Std Dev 1.077


asym_sam_3748_avg_dit_vs_eigen_cor_diff_rms vs run
χ^2 / ndf 3.031e+04 / 51
p0 43.57 ± 0.04365
70
65
60
55
50
45
40
35
30
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 5
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6


asym_sam_3748_avg_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 51.46 / 51
p0 3.791e−06 ± 3.21e−06
pull
Entries 52
Mean 817.8
Std Dev 0


pull1D
Entries 52
Mean −0.003674
Std Dev 0.9948


asym_sam_3748_avg_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 2647 / 51
p0 0.002297 ± 2.27e–06
0.0027
0.0026
0.0025
0.0024
0.0023
0.0022
0.0021
0.002
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 5
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
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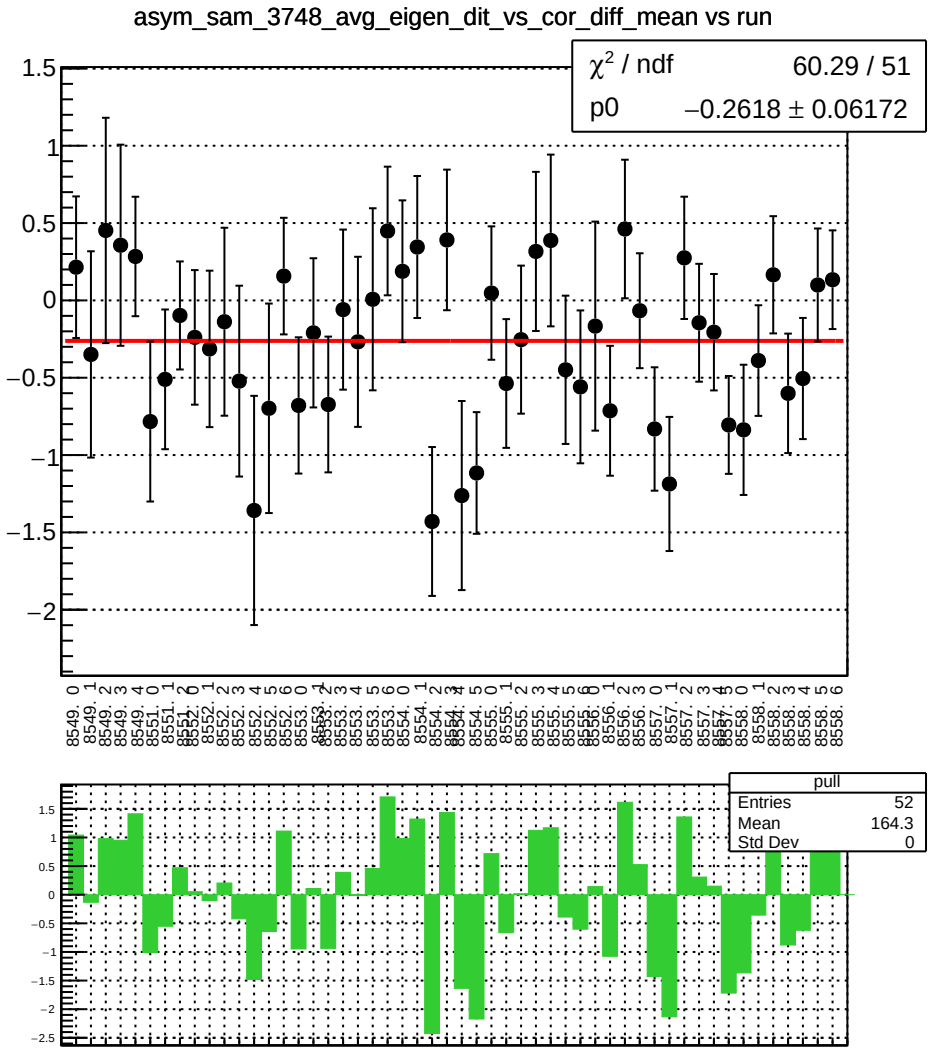
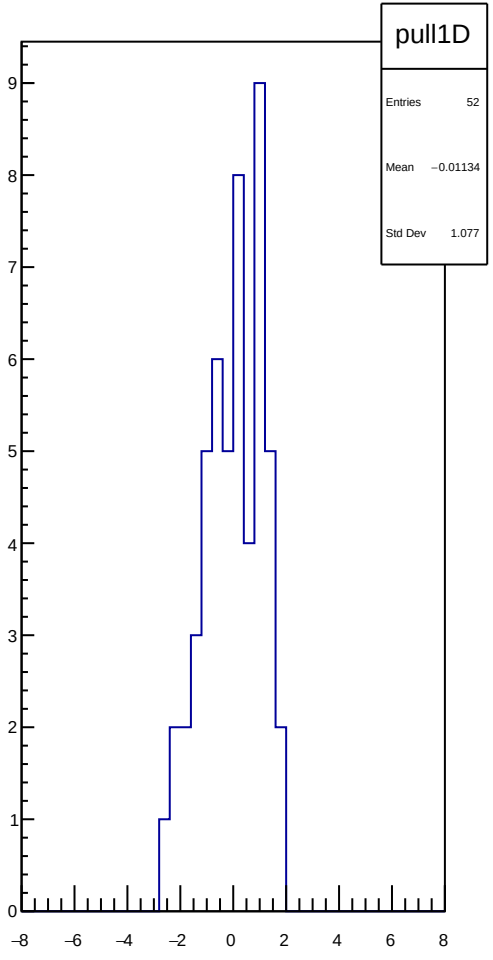
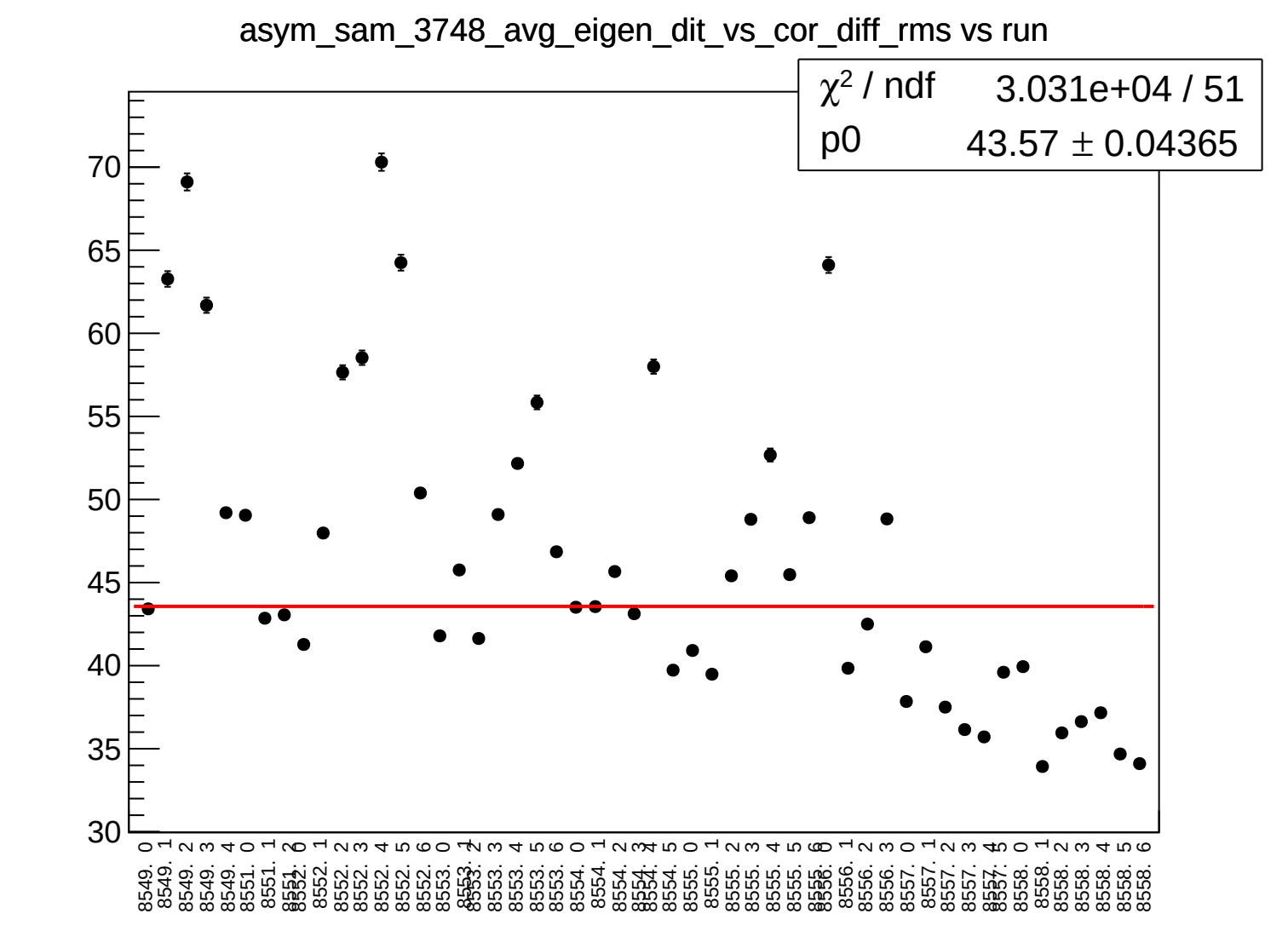
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6


asym_sam_3748_avg_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 60.29 / 51
p0 −0.2618 ± 0.06172
pull
Entries 52
Mean 164.3
Std Dev 0


pull1D
Entries 52
Mean −0.01134
Std Dev 1.077


asym_sam_3748_avg_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 3.031e+04 / 51
p0 43.57 ± 0.04365
70
65
60
55
50
45
40
35
30
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
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8552. 6
8553. 0
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8553. 4
8553. 5
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8556. 3
8557. 0
8557. 1
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8557. 3
8558. 0
8558. 1
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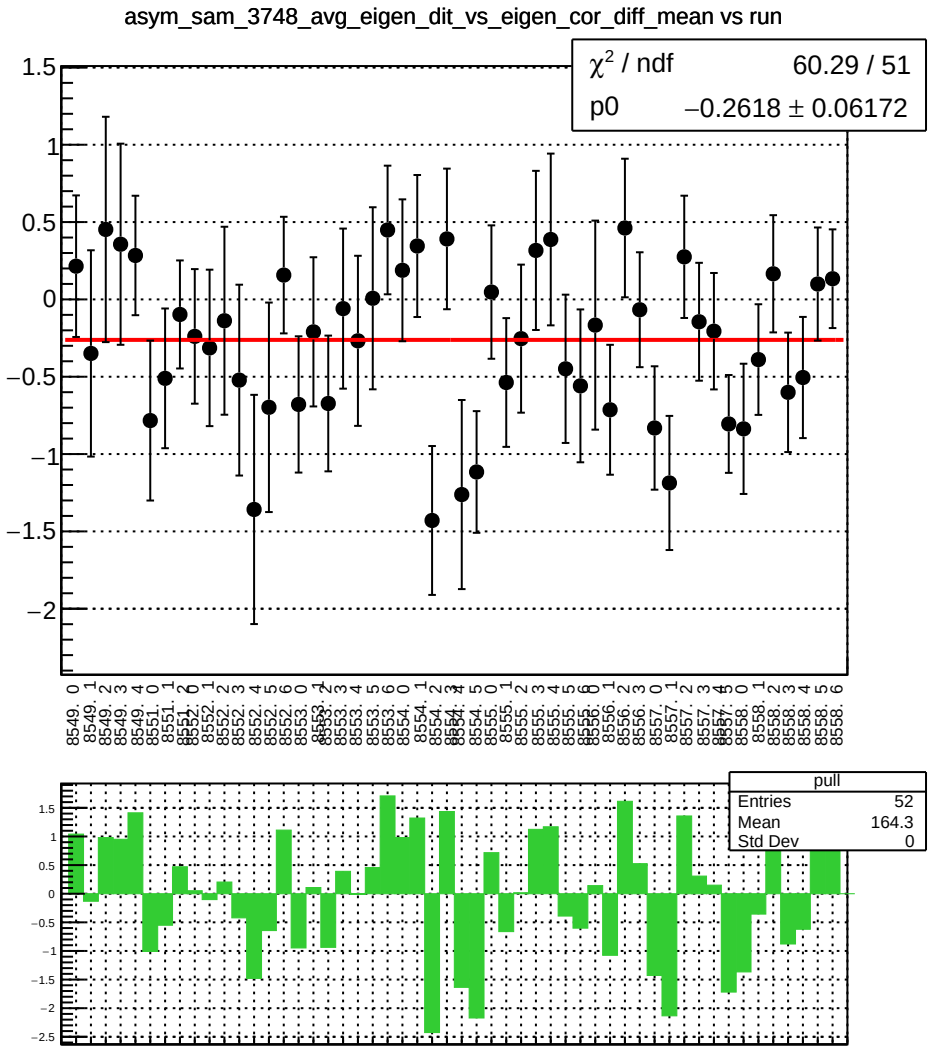
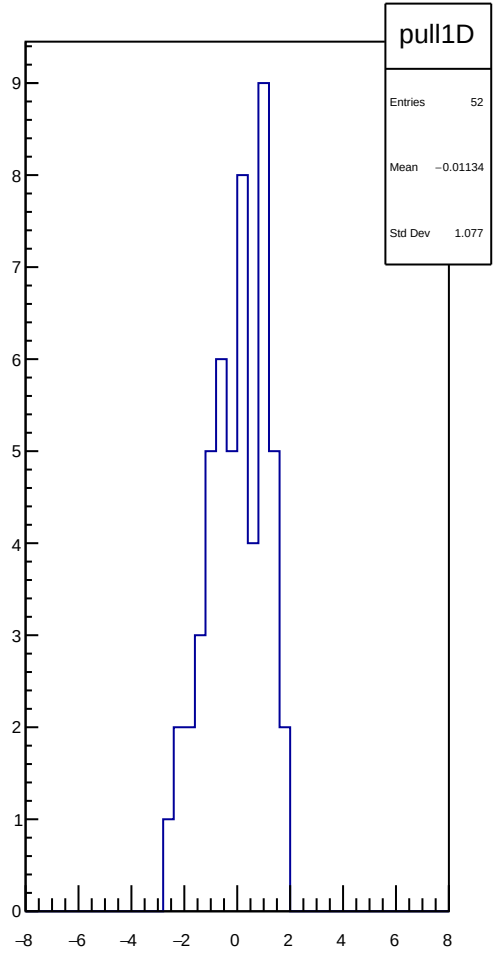
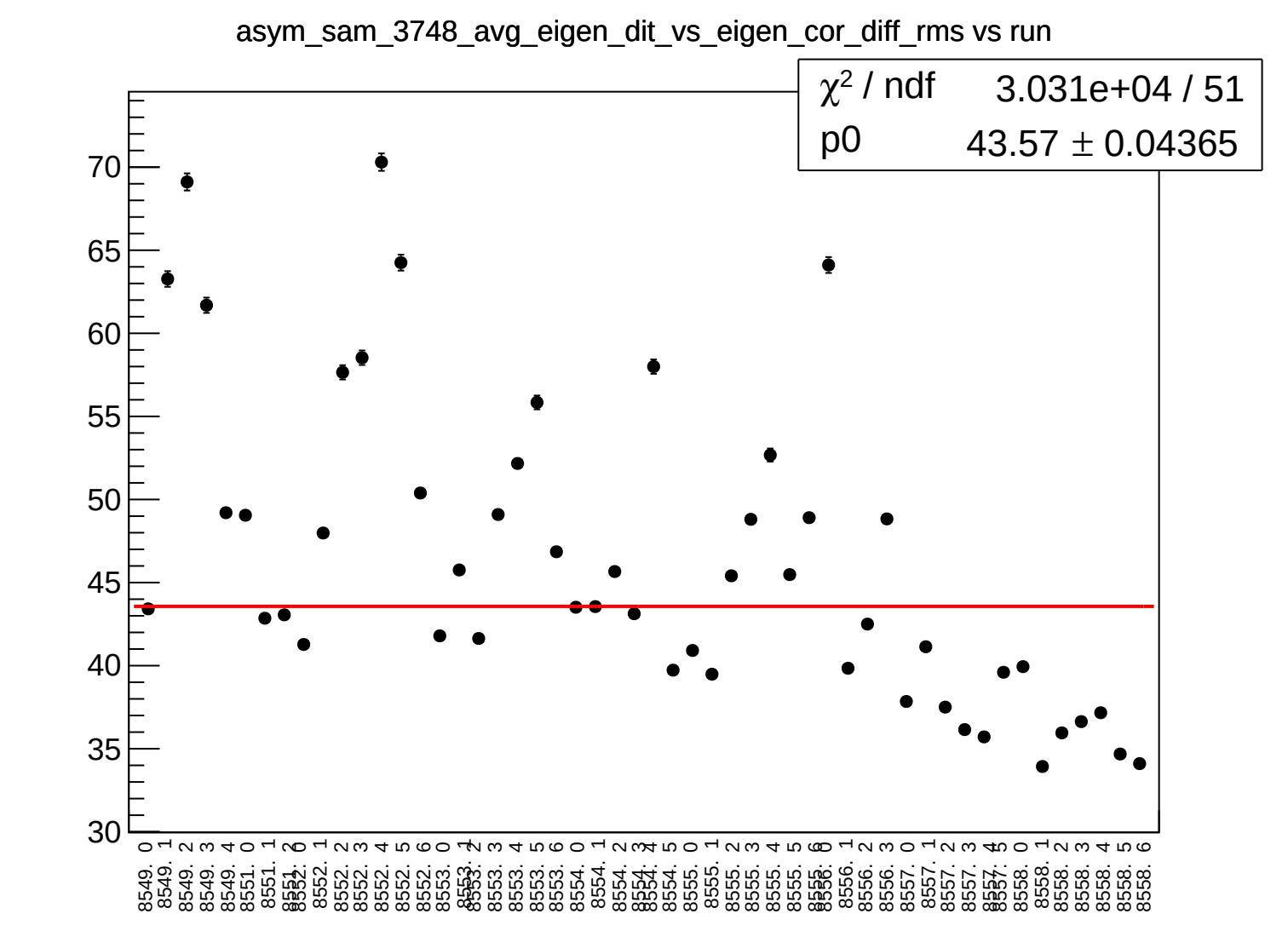
8558. 6


asym_sam_3748_avg_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 60.29 / 51
p0 −0.2618 ± 0.06172
pull
Entries 52
Mean 164.3
Std Dev 0


pull1D
Entries 52
Mean −0.01134
Std Dev 1.077


asym_sam_3748_avg_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 3.031e+04 / 51
p0 43.57 ± 0.04365
70
65
60
55
50
45
40
35
30
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
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8553. 0
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8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
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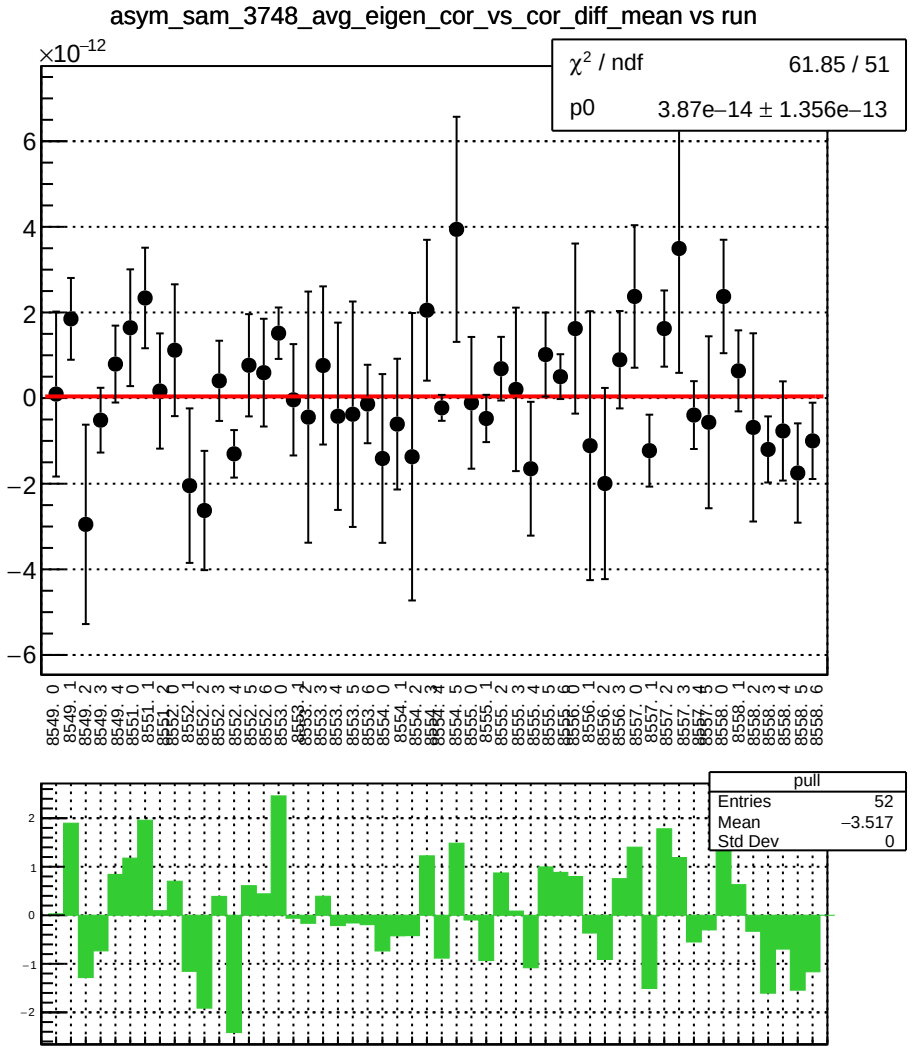
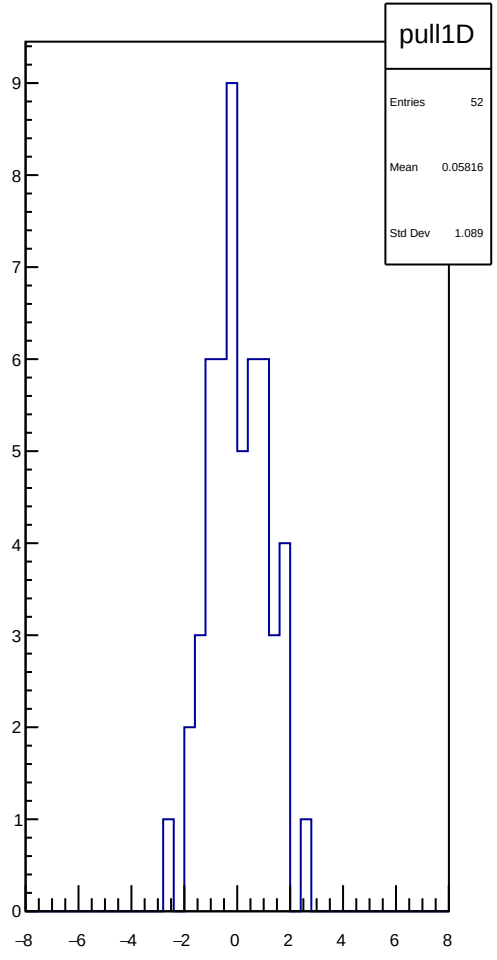
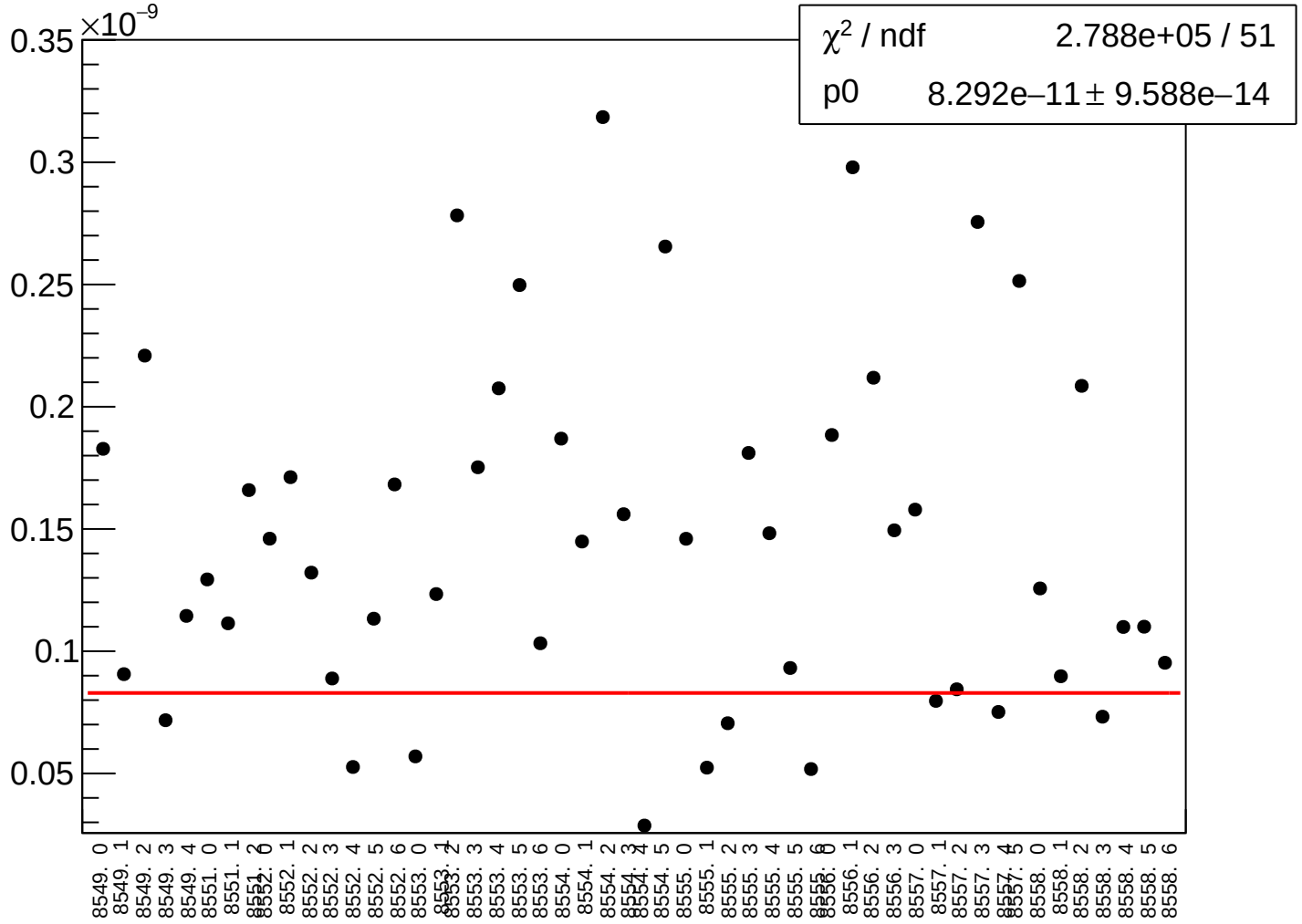
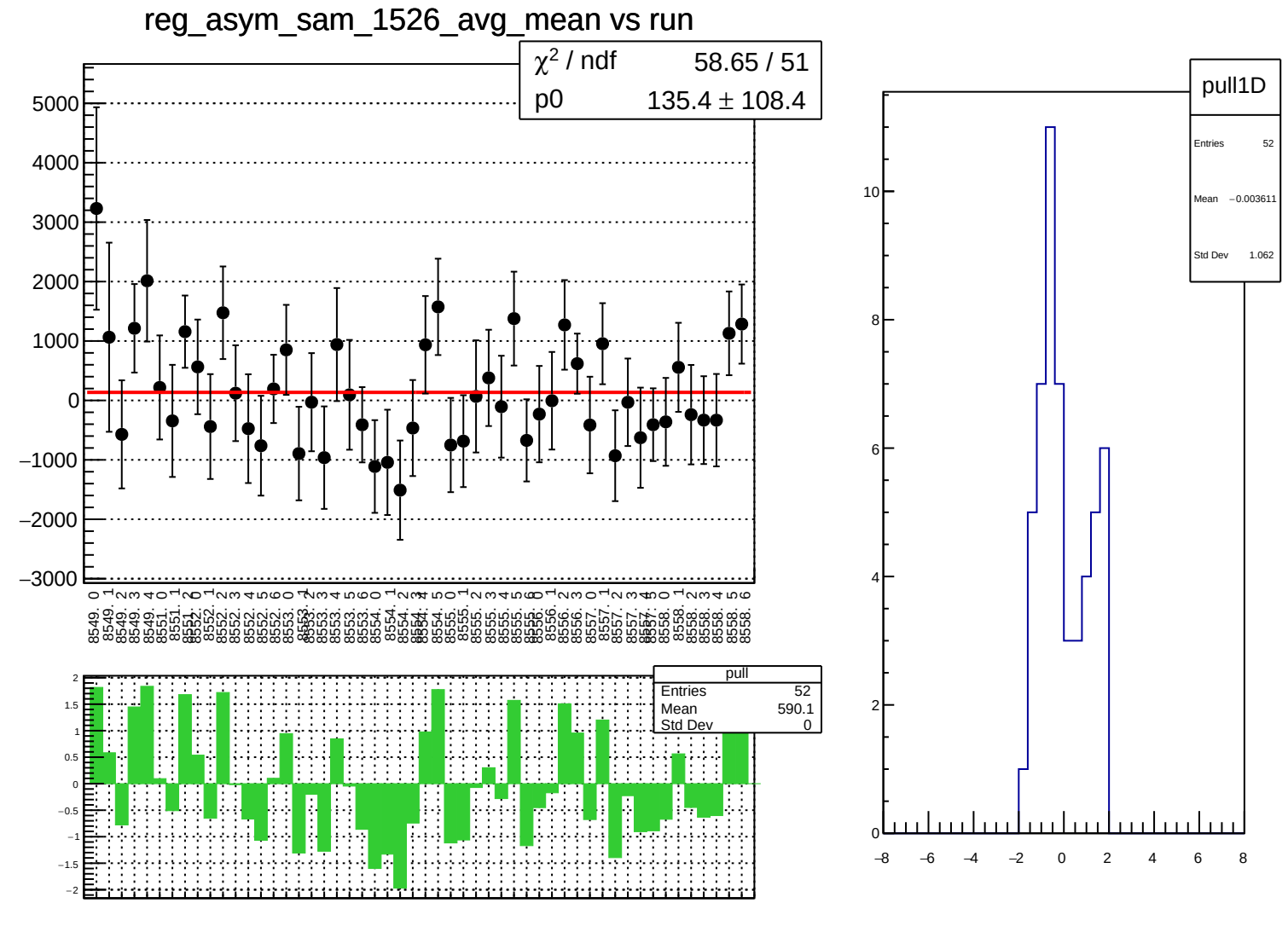
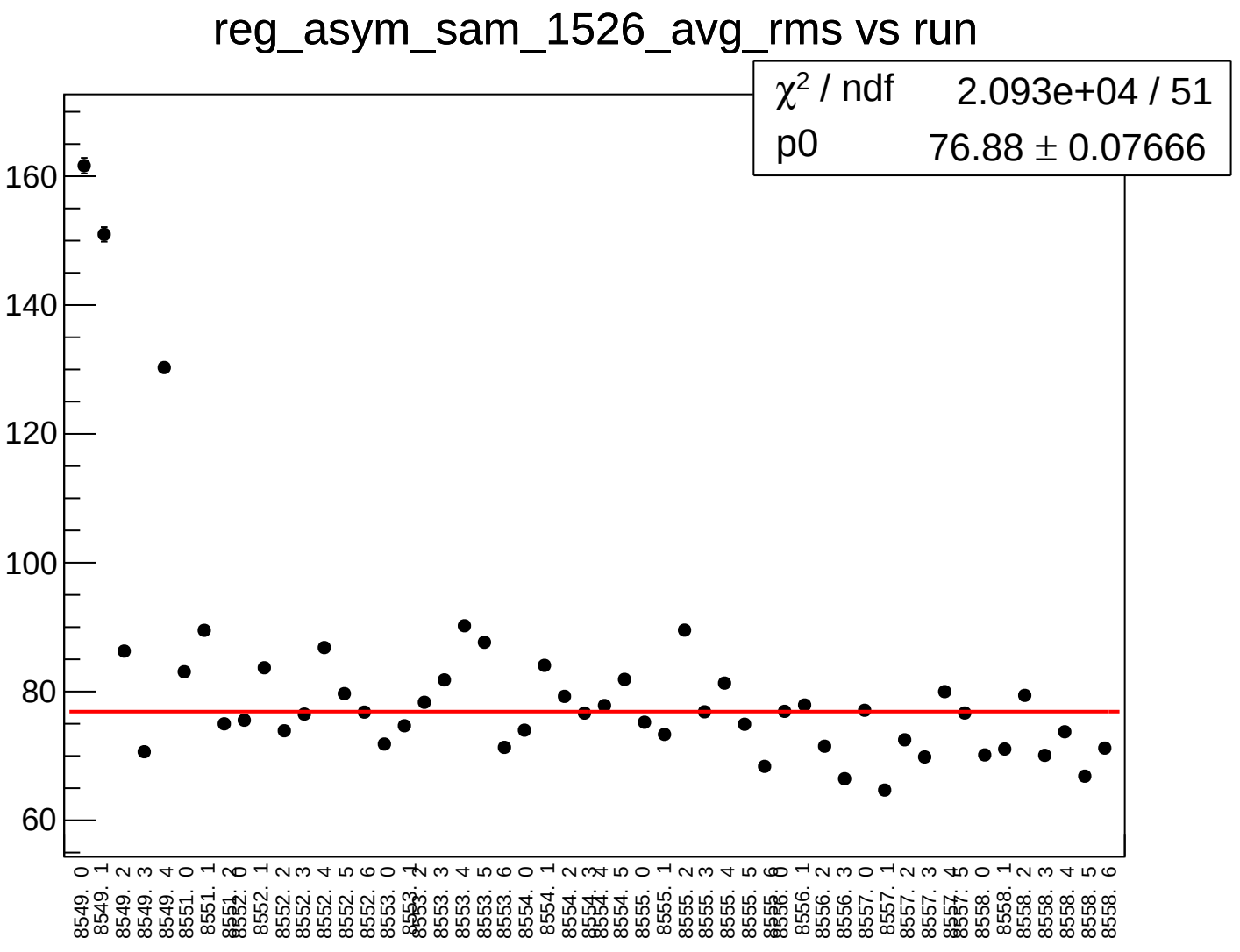
8558. 6

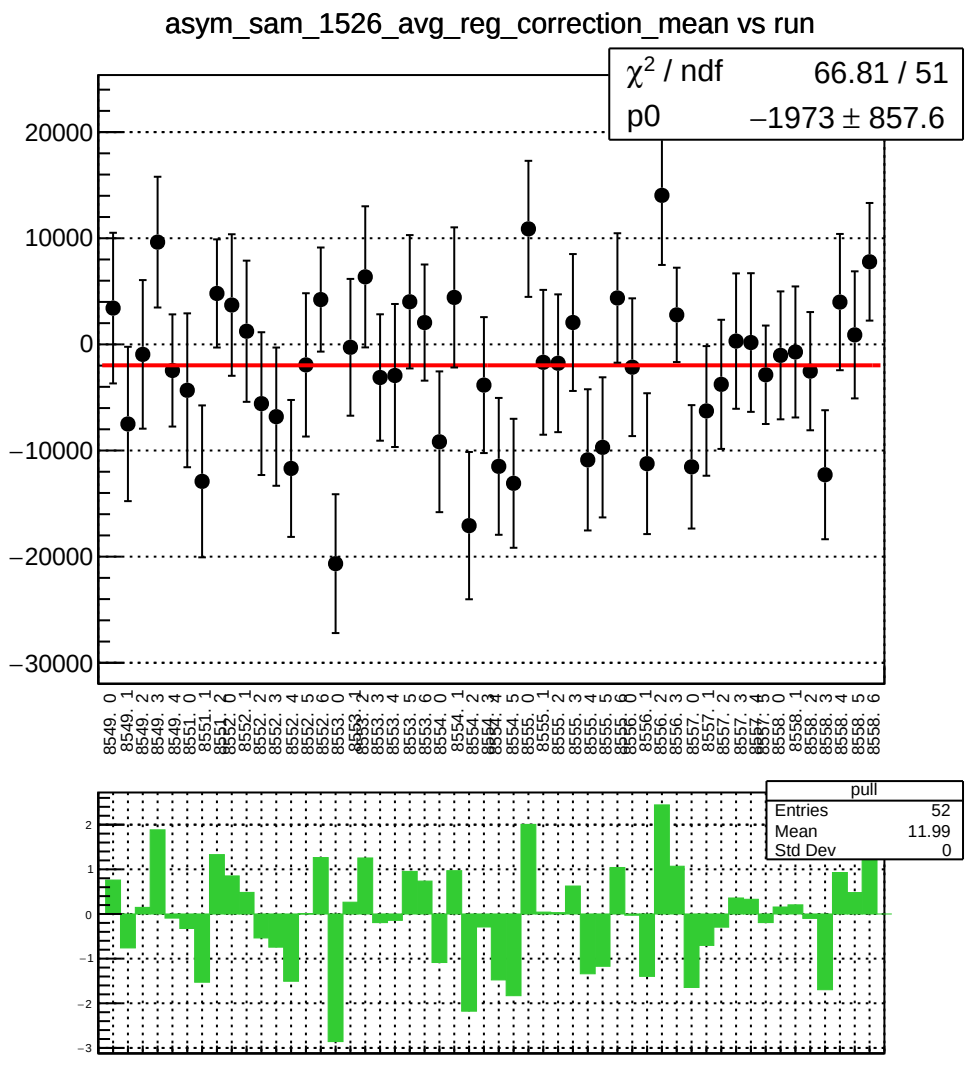

asym_sam_3748_avg_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 61.85 / 51
p0 3.87e−14 ± 1.356e−13
pull
Entries 52
Mean −3.517
Std Dev 0

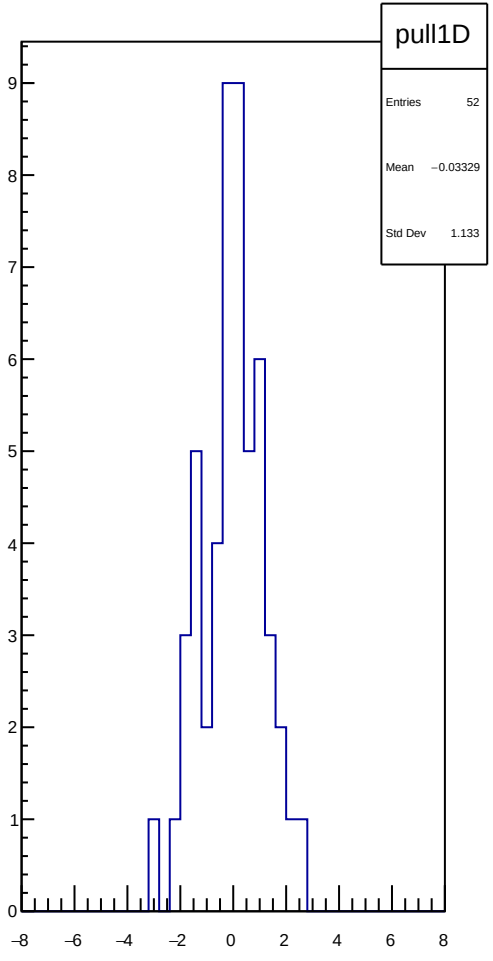

pull1D
Entries 52
Mean 0.05816
Std Dev 1.089

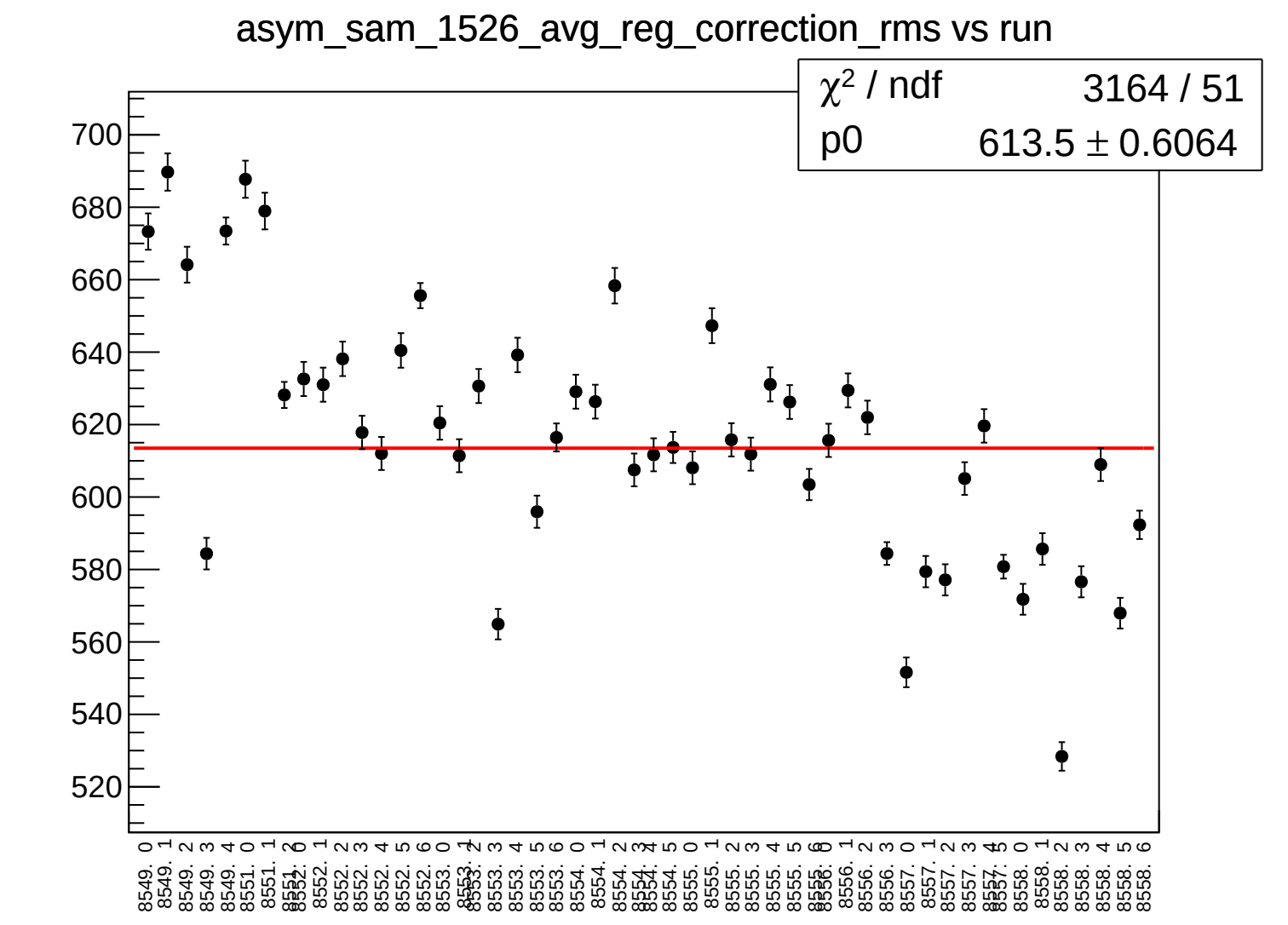

asym_sam_3748_avg_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 2.788e+05 / 51
p0 8.292e−11 ± 9.588e−14
0.35
0.3
0.25
0.2
0.15
0.1
0.05
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 2
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 5
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6


reg_asym_sam_1526_avg_mean vs run
χ² / ndf 58.65 / 51
p0 135.4 ± 108.4
pull
Entries 52
Mean 590.1
Std Dev 0
pull1D
Entries 52
Mean −0.003611
Std Dev 1.062


reg_asym_sam_1526_avg_rms vs run
χ² / ndf 2.093e+04 / 51
p0 76.88 ± 0.07666
160
140
120
100
80
60
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 5
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6


asym_sam_1526_avg_reg_correction_mean vs run
χ² / ndf 66.81 / 51
p0 −1973 ± 857.6
20000
10000
0
−10000
−20000
−30000
pull
Entries 52
Mean 11.99
Std Dev 0
2
1
0
−1
−2
−3


pull1D
Entries 52
Mean −0.03329
Std Dev 1.133
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


asym_sam_1526_avg_reg_correction_rms vs run
χ² / ndf 3164 / 51
p0 613.5 ± 0.6064
700
680
660
640
620
600
580
560
540
520
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
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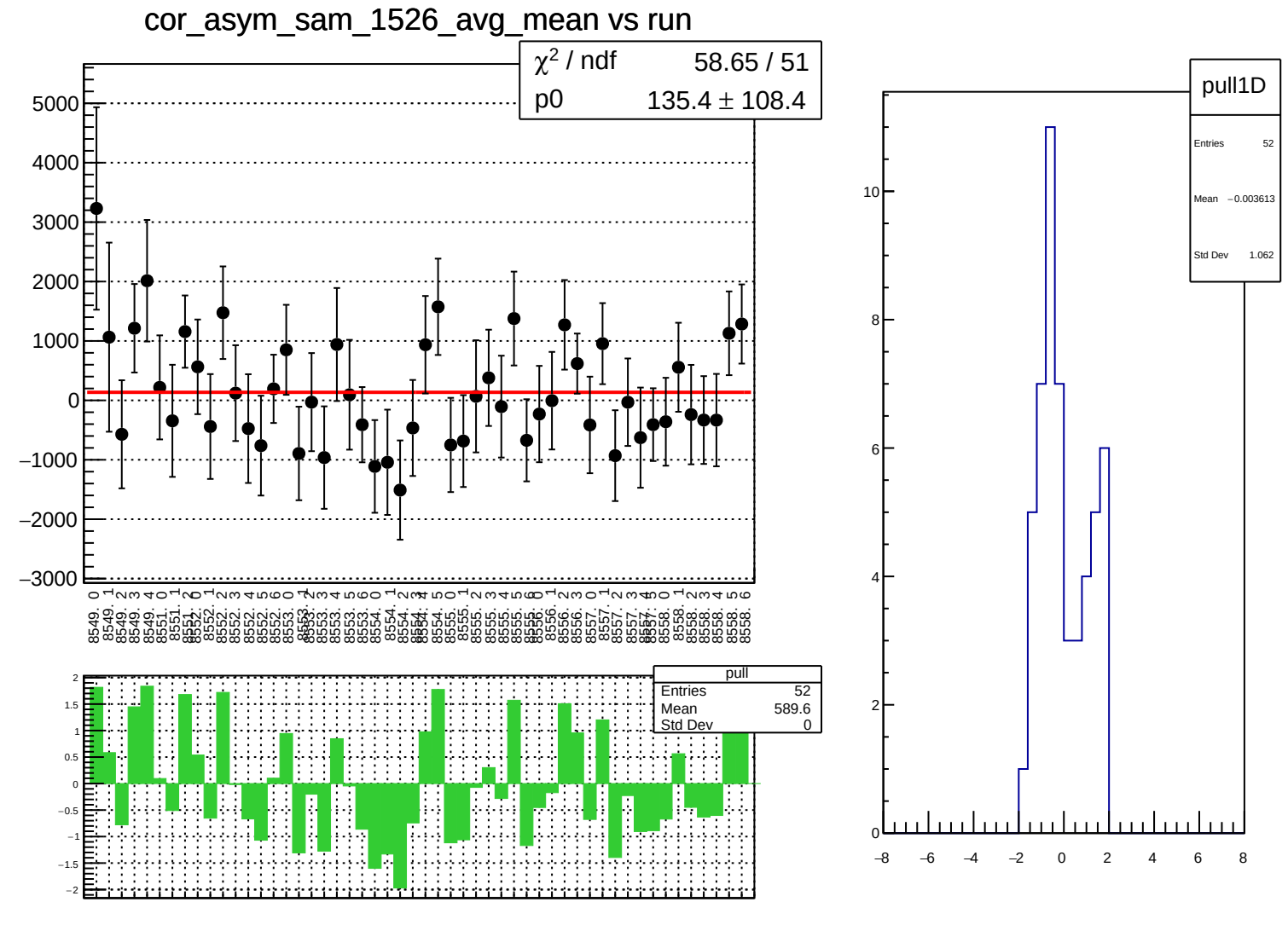
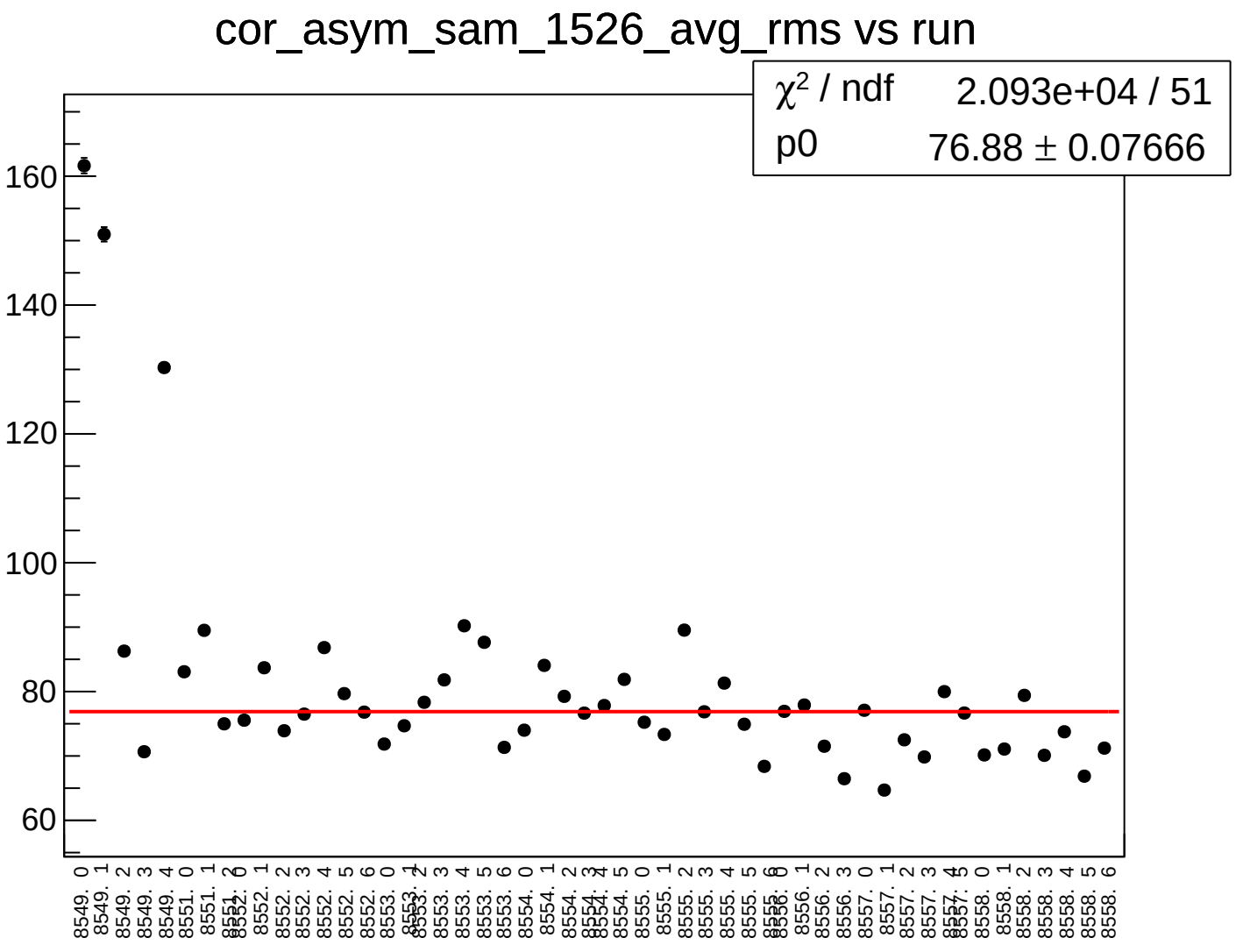
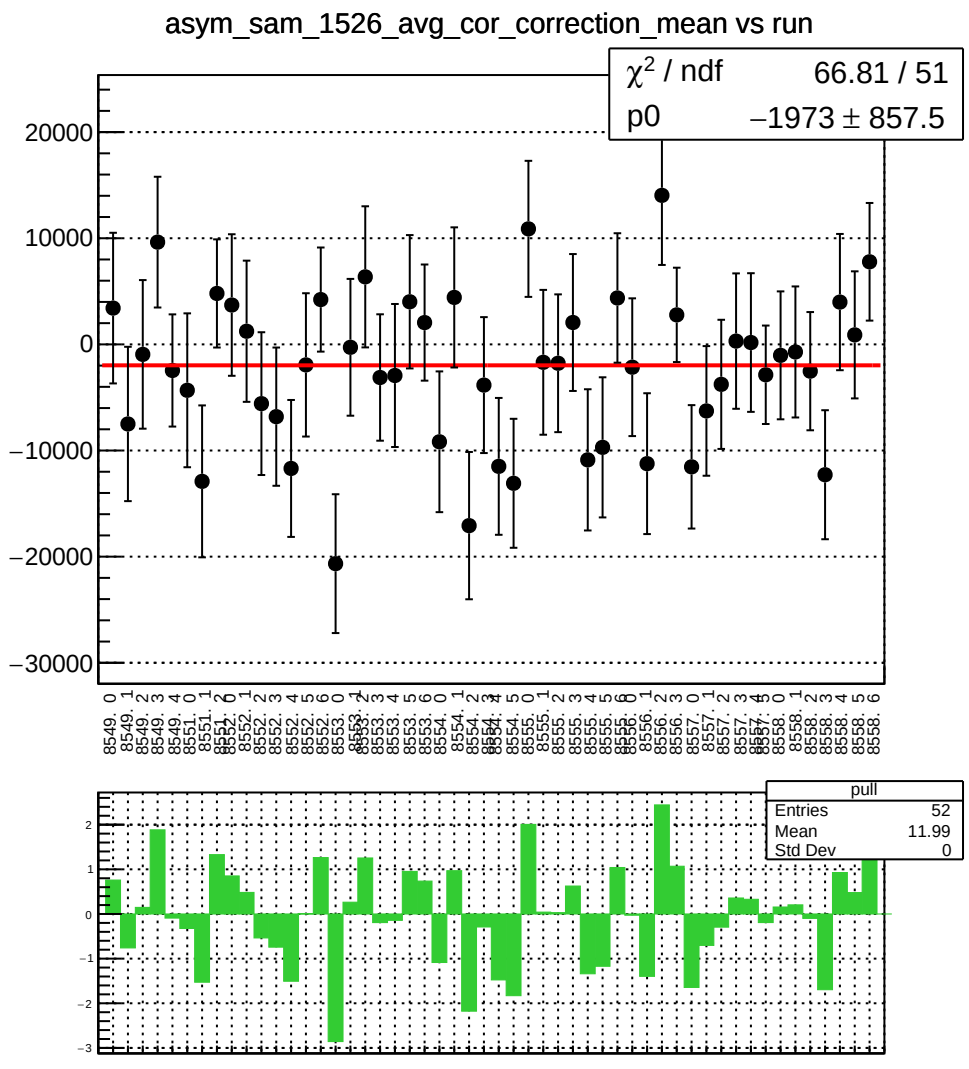
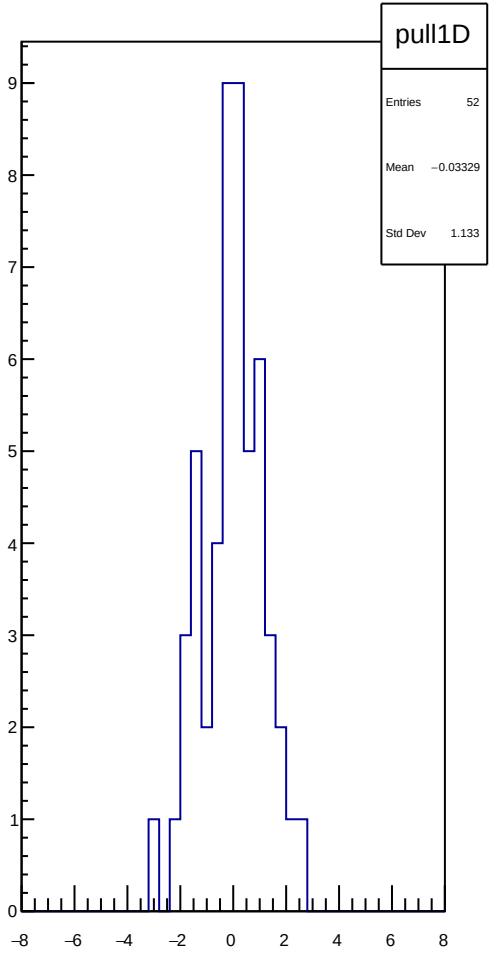
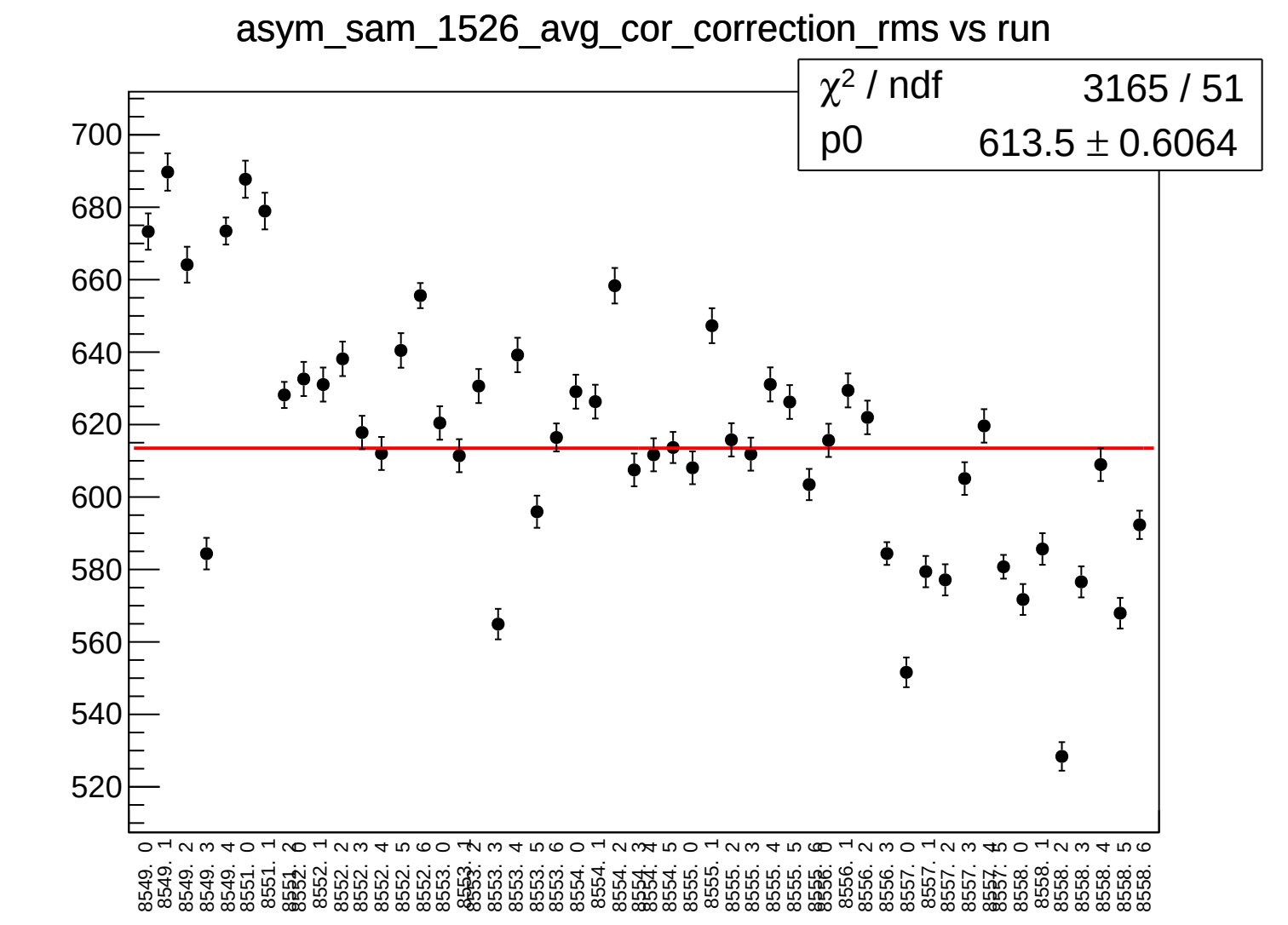
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

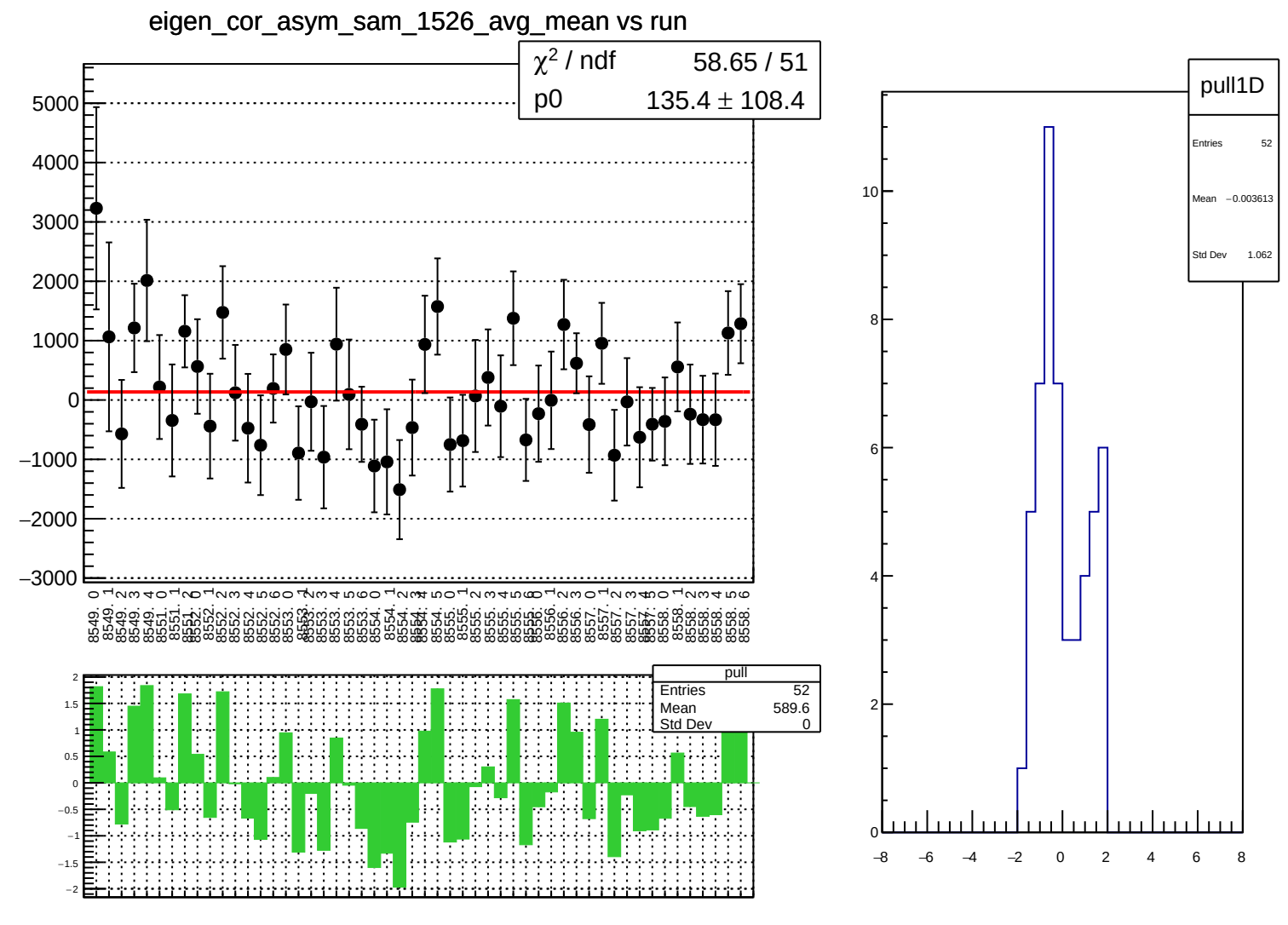

cor_asym_sam_1526_avg_mean vs run
χ² / ndf 58.65 / 51
p0 135.4 ± 108.4
pull
Entries 52
Mean 589.6
Std Dev 0
pull1D
Entries 52
Mean −0.003613
Std Dev 1.062

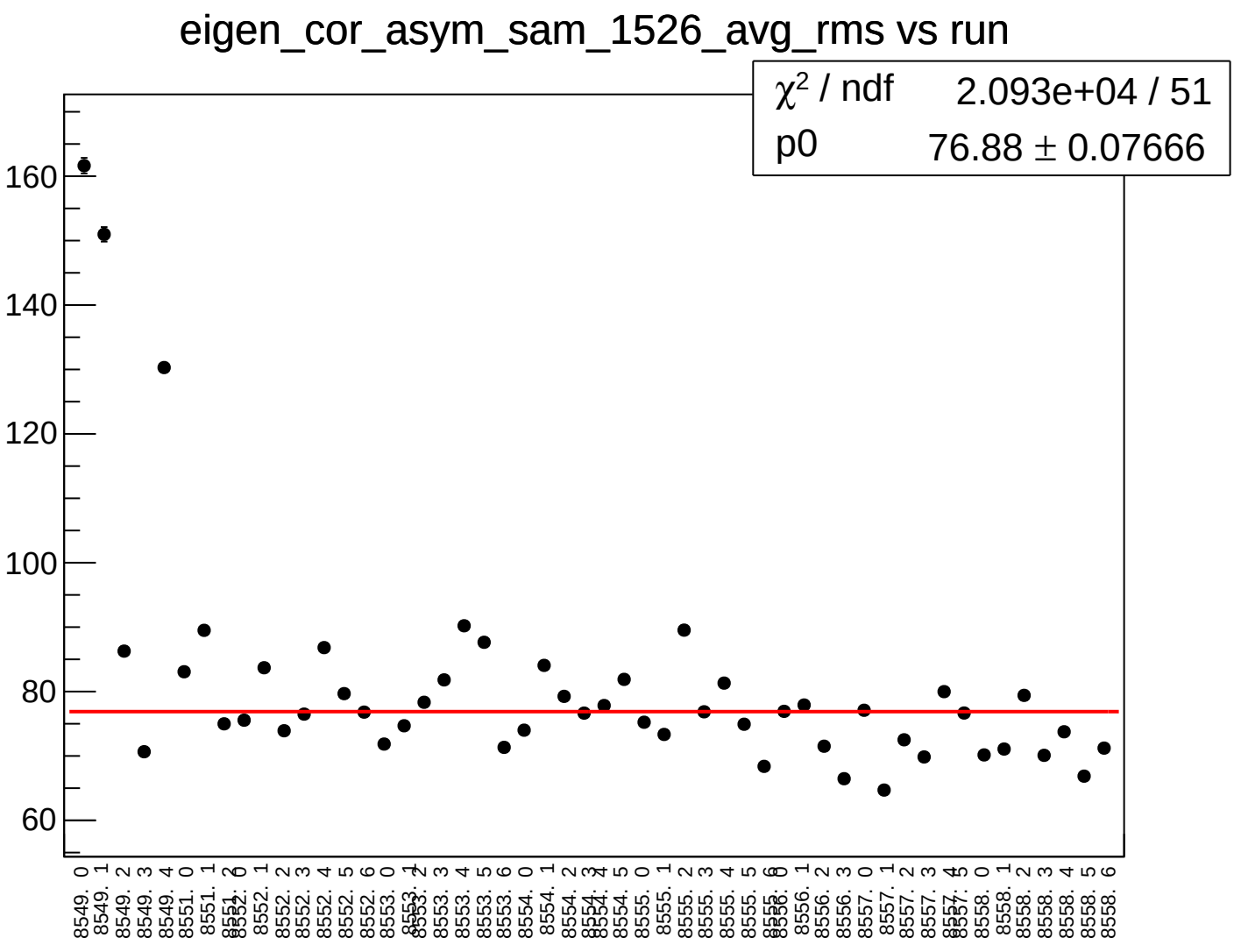

cor_asym_sam_1526_avg_rms vs run
χ² / ndf 2.093e+04 / 51
p0 76.88 ± 0.07666
160
140
120
100
80
60
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 5
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6


asym_sam_1526_avg_cor_correction_mean vs run
χ² / ndf 66.81 / 51
p0 −1973 ± 857.5
20000
10000
0
−10000
−20000
−30000
pull
Entries 52
Mean 11.99
Std Dev 0
2
1
0
−1
−2
−3


pull1D
Entries 52
Mean −0.03329
Std Dev 1.133
9
8
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 3165 / 51
p0 613.5 ± 0.6064
700
680
660
640
620
600
580
560
540
520
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6


eigen_cor_asym_sam_1526_avg_mean vs run
χ² / ndf 58.65 / 51
p0 135.4 ± 108.4
pull
Entries 52
Mean 589.6
Std Dev 0
pull1D
Entries 52
Mean −0.003613
Std Dev 1.062


eigen_cor_asym_sam_1526_avg_rms vs run
χ² / ndf 2.093e+04 / 51
p0 76.88 ± 0.07666
160
140
120
100
80
60
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
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8556. 2
8556. 3
8557. 0
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8557. 3
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8558. 2
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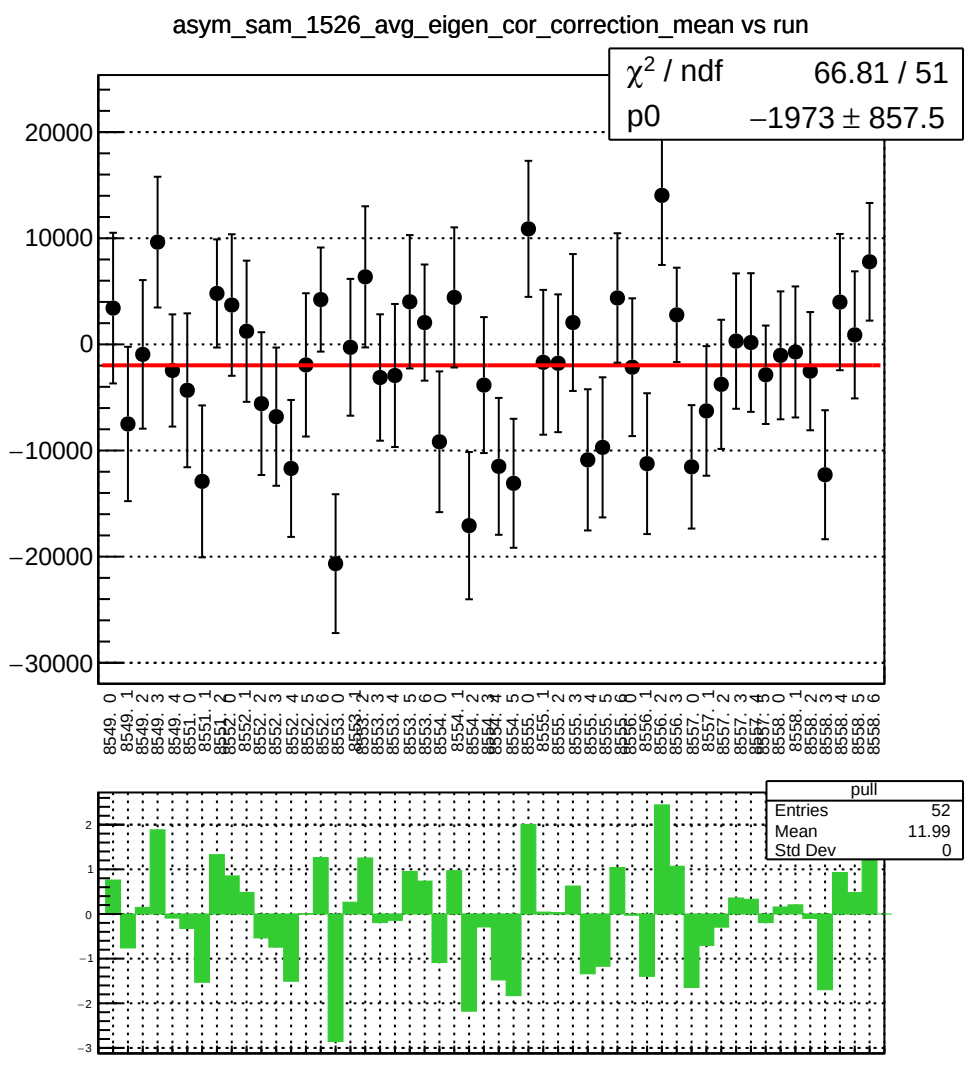
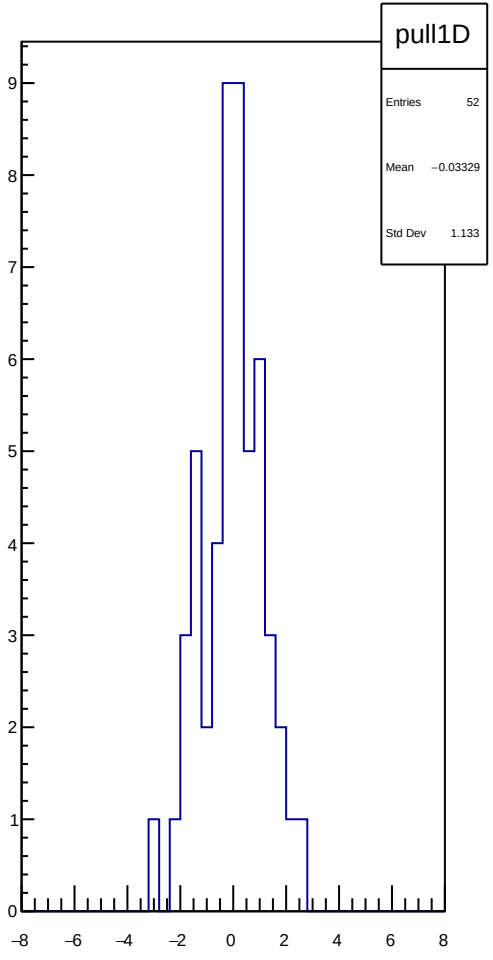
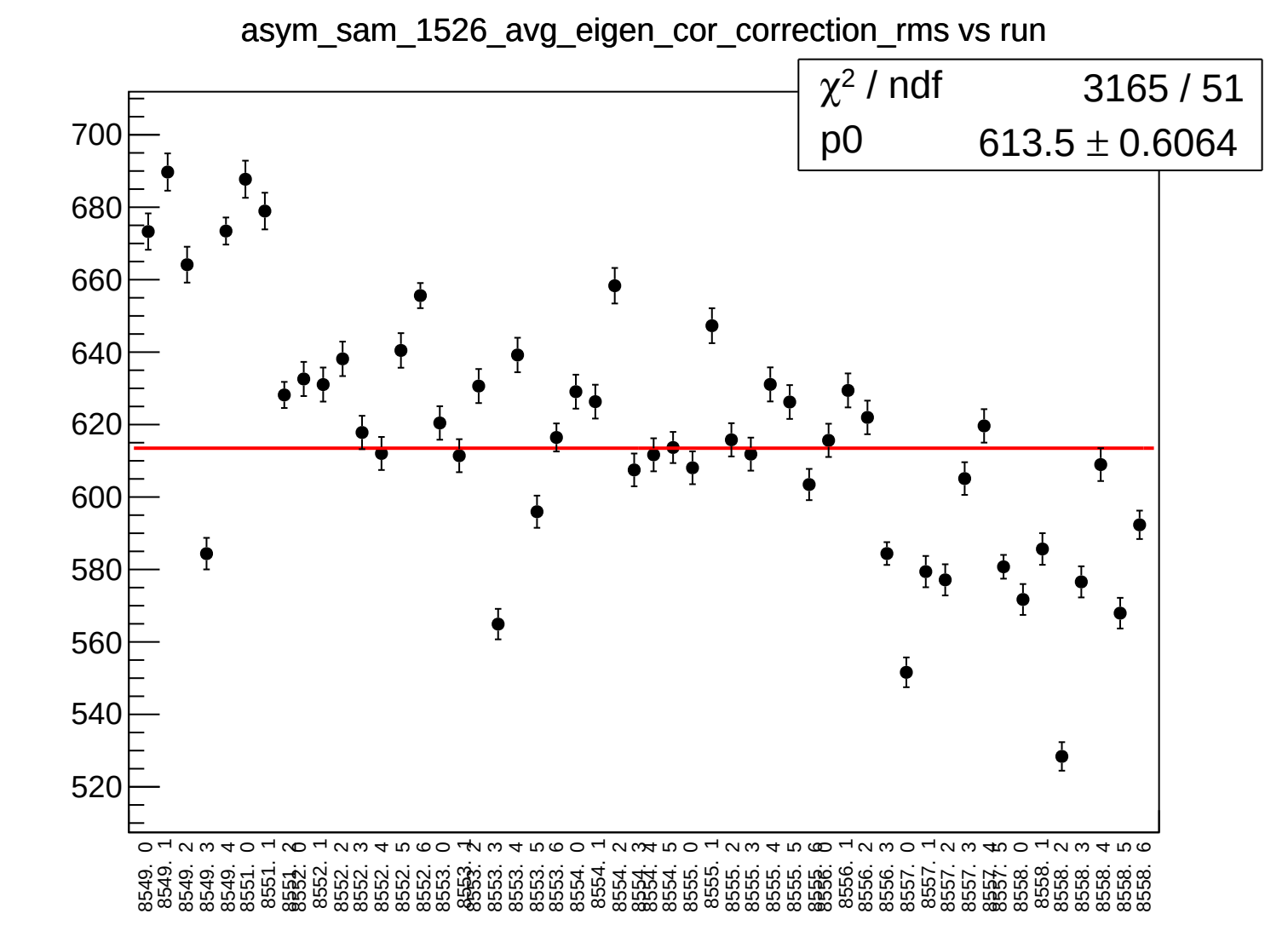
8558. 5
8558. 6


asym_sam_1526_avg_eigen_cor_correction_mean vs run
χ² / ndf 66.81 / 51
p0 −1973 ± 857.5
pull
Entries 52
Mean 11.99
Std Dev 0


pull1D
Entries 52
Mean −0.03329
Std Dev 1.133


asym_sam_1526_avg_eigen_cor_correction_rms vs run
χ² / ndf 3165 / 51
p0 613.5 ± 0.6064
700
680
660
640
620
600
580
560
540
520
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
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8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
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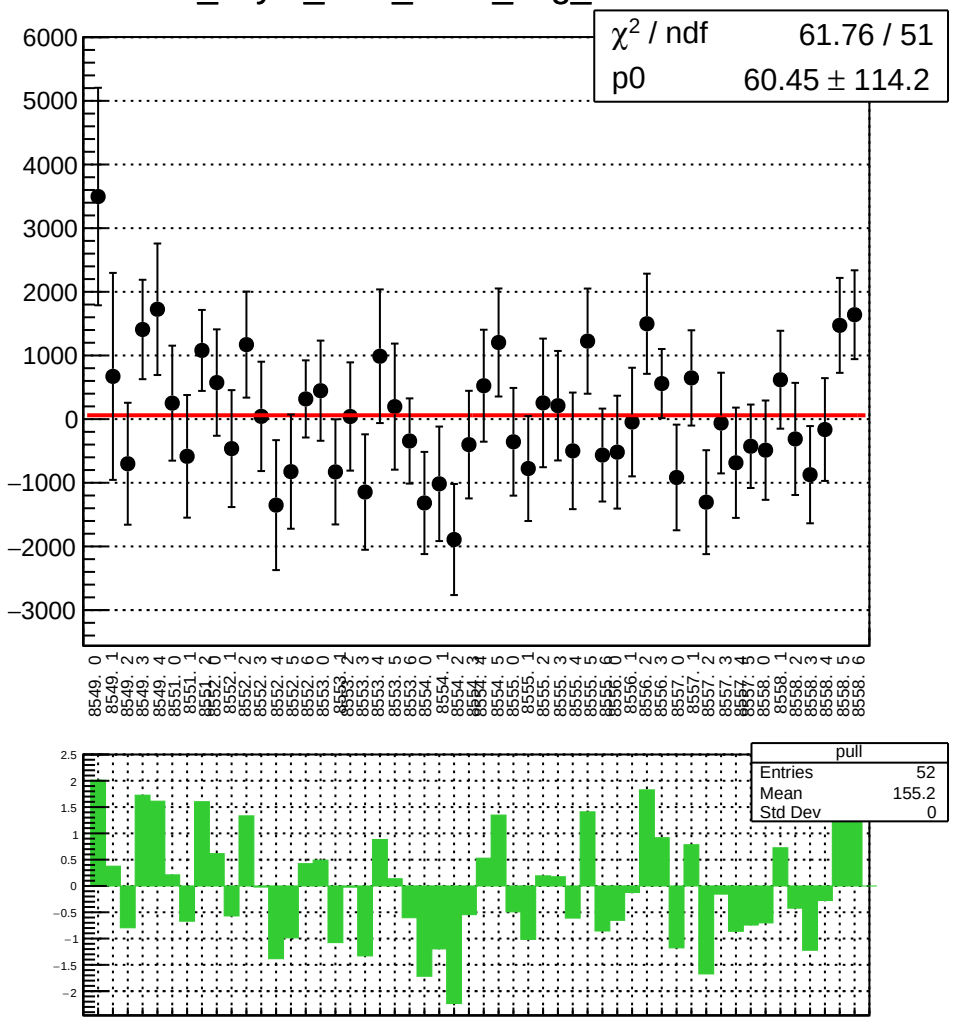
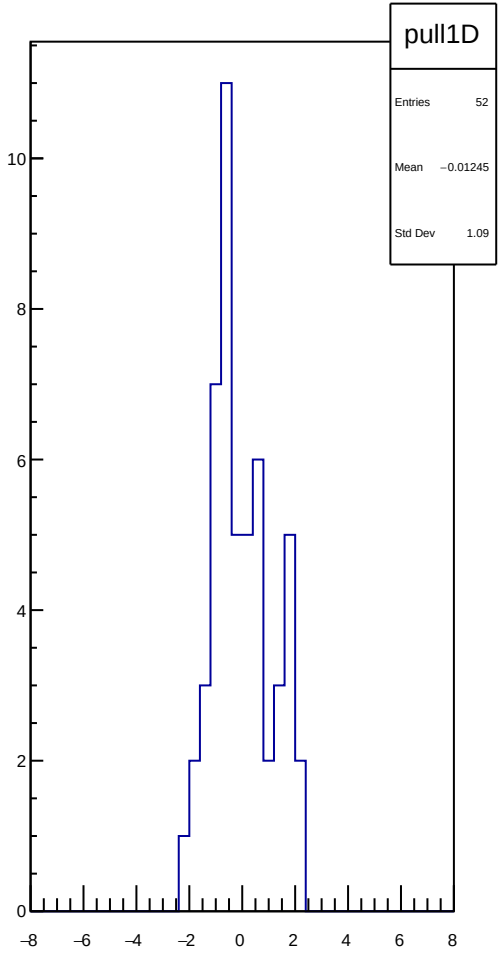
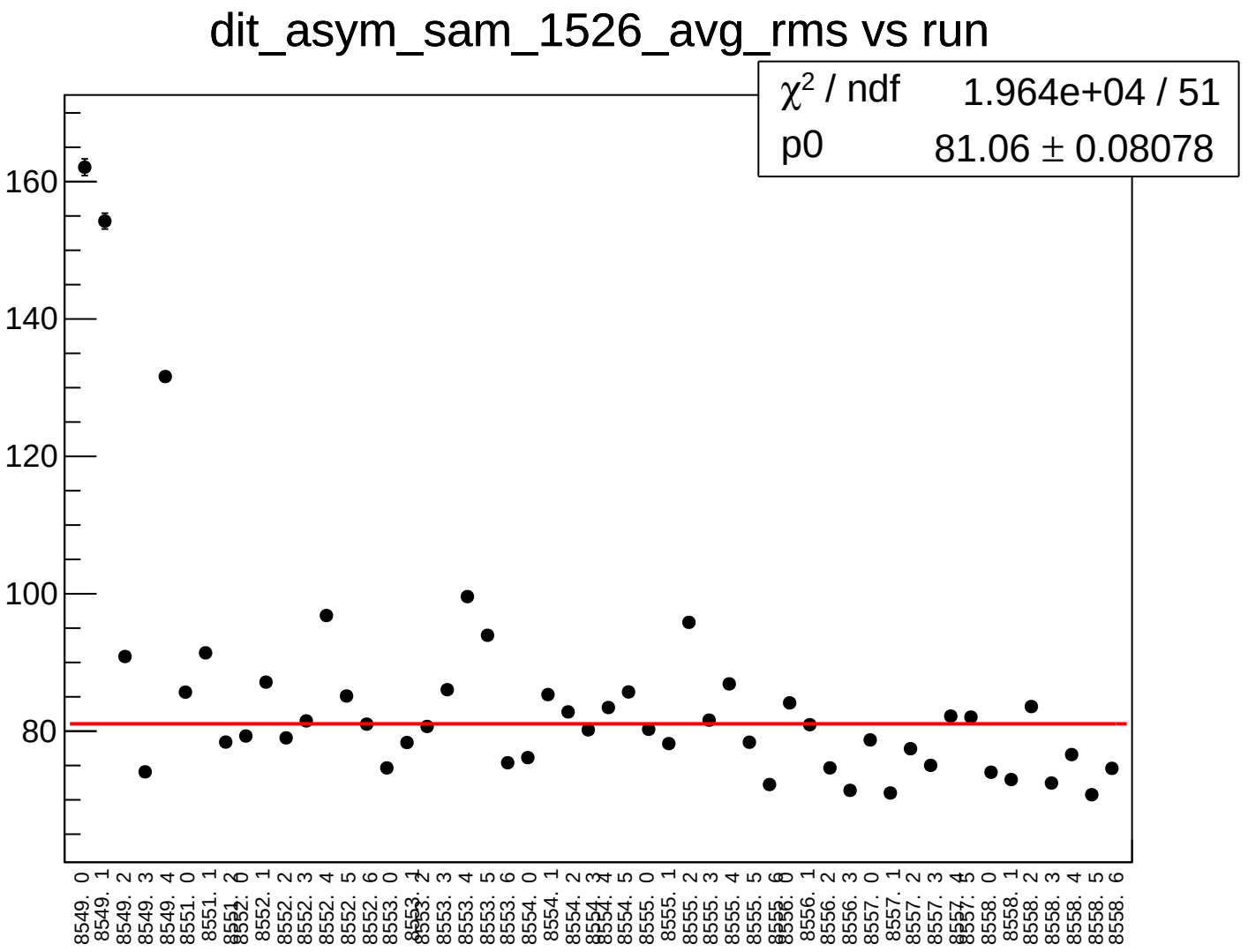
8558. 5
8558. 6


dit_asym_sam_1526_avg_mean vs run
χ² / ndf 61.76 / 51
p0 60.45 ± 114.2
pull
Entries 52
Mean 155.2
Std Dev 0


pull1D
Entries 52
Mean −0.01245
Std Dev 1.09


dit_asym_sam_1526_avg_rms vs run
χ^2 / ndf 1.964e+04 / 51
p0 81.06 ± 0.08078
160
140
120
100
80
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
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8557. 0
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8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
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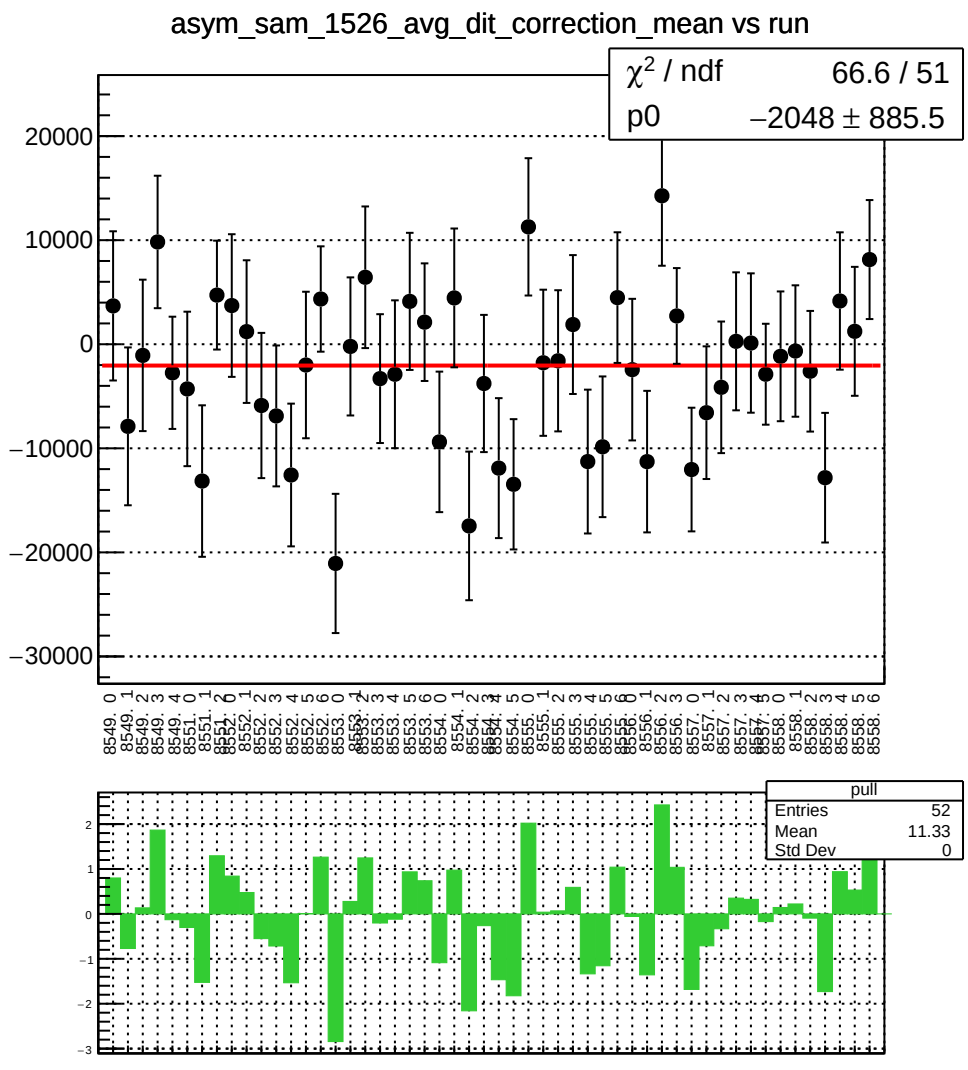
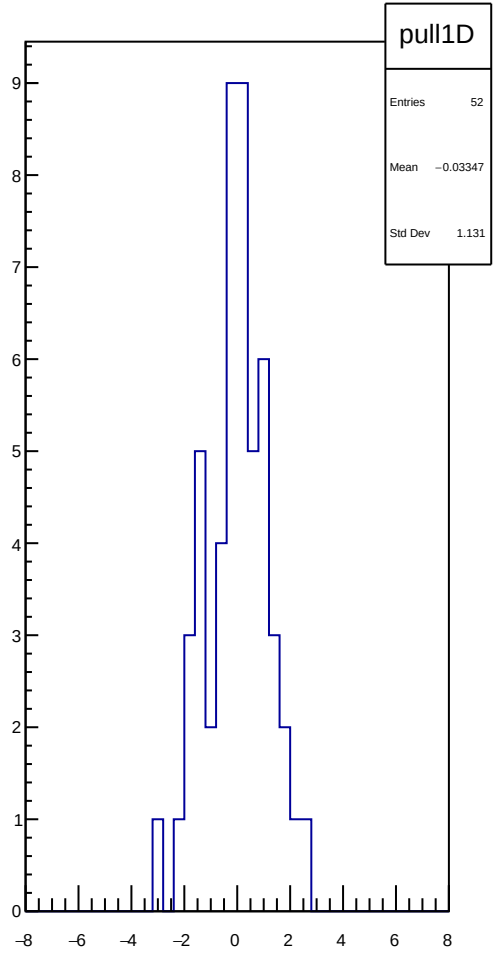
8558. 5
8558. 6


asym_sam_1526_avg_dit_correction_mean vs run
χ² / ndf 66.6 / 51
p0 −2048 ± 885.5
20000
10000
0
−10000
−20000
−30000
pull
Entries 52
Mean 11.33
Std Dev 0
2
1
0
−1
−2
−3


pull1D
Entries 52
Mean −0.03347
Std Dev 1.131
9
8
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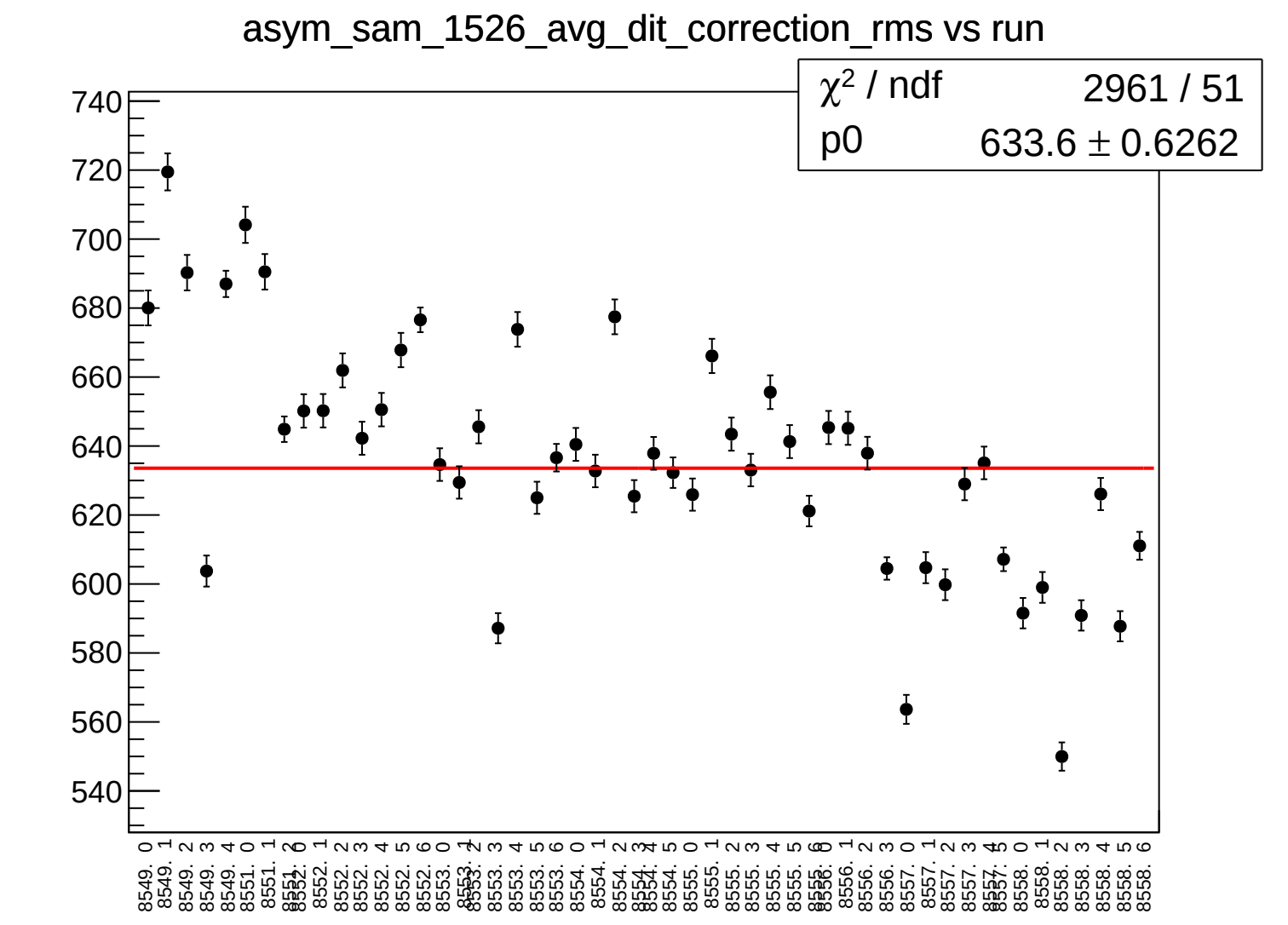
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


asym_sam_1526_avg_dit_correction_rms vs run
χ² / ndf 2961 / 51
p0 633.6 ± 0.6262
740
720
700
680
660
640
620
600
580
560
540
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
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8555. 4
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8556. 2
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8557. 0
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8558. 0
8558. 1
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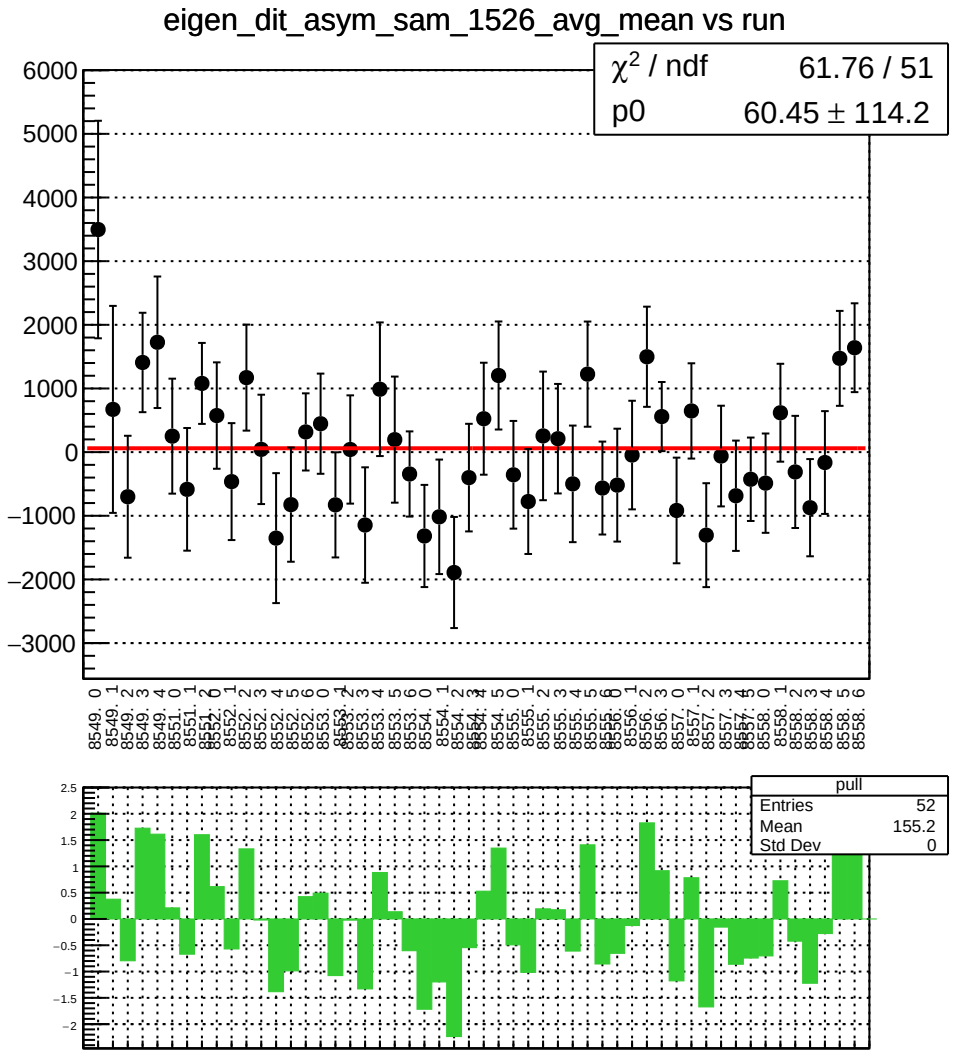
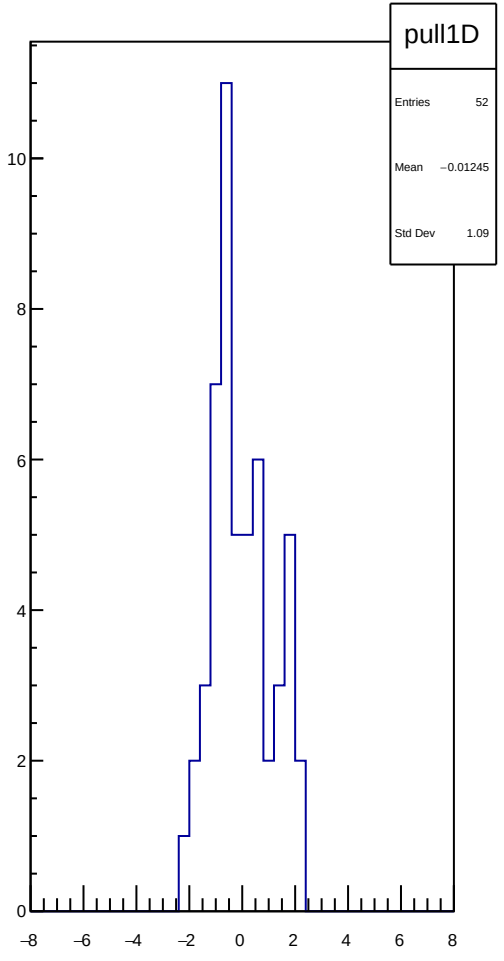
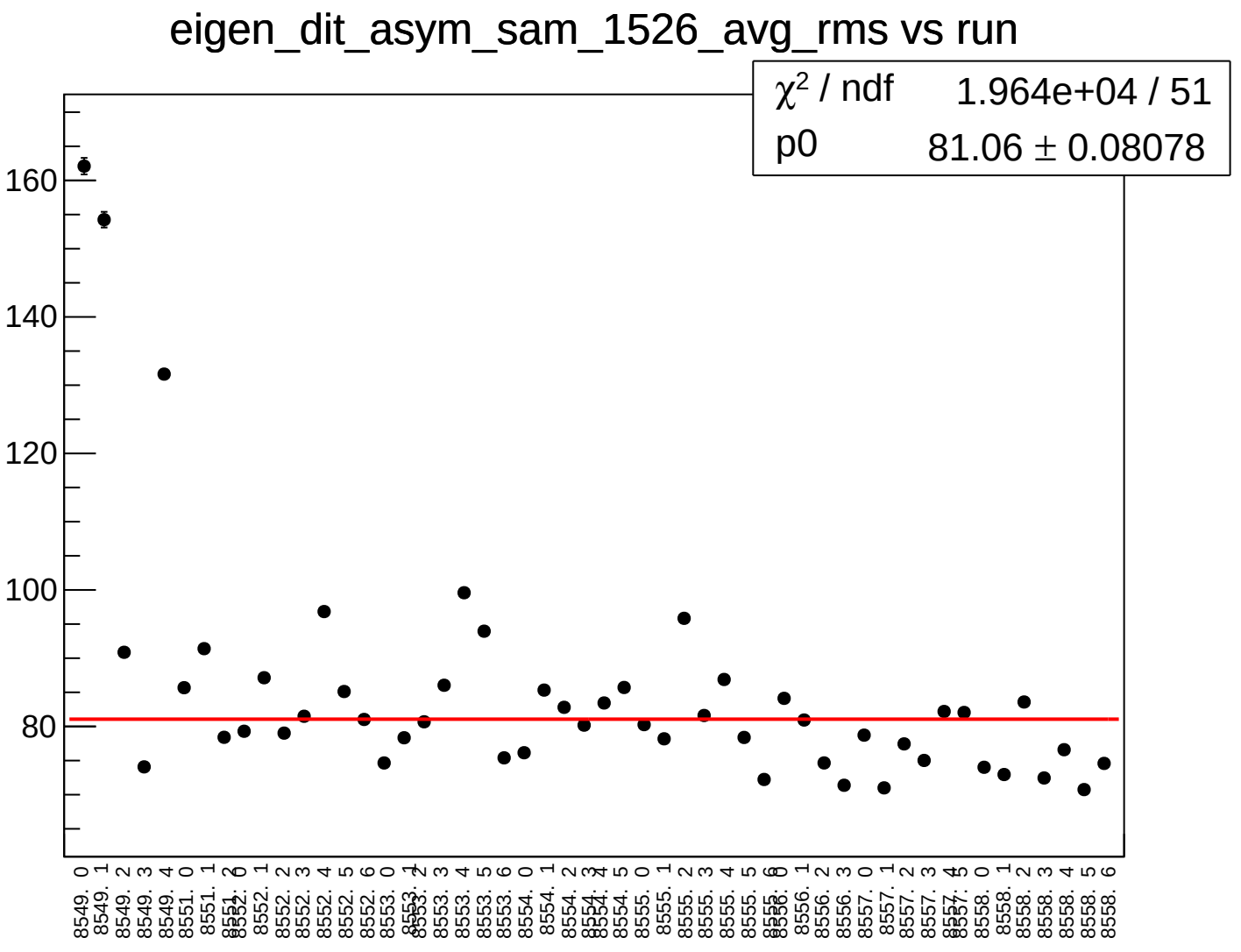
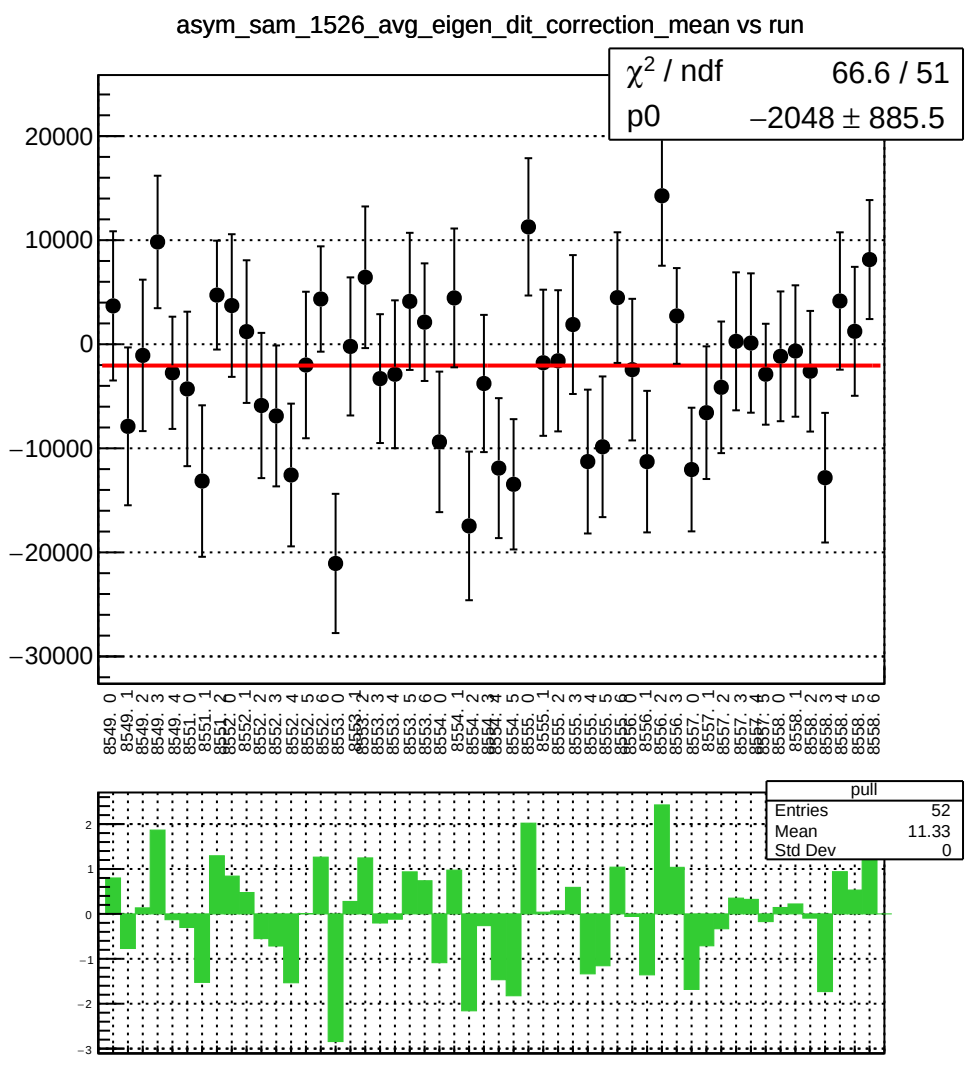
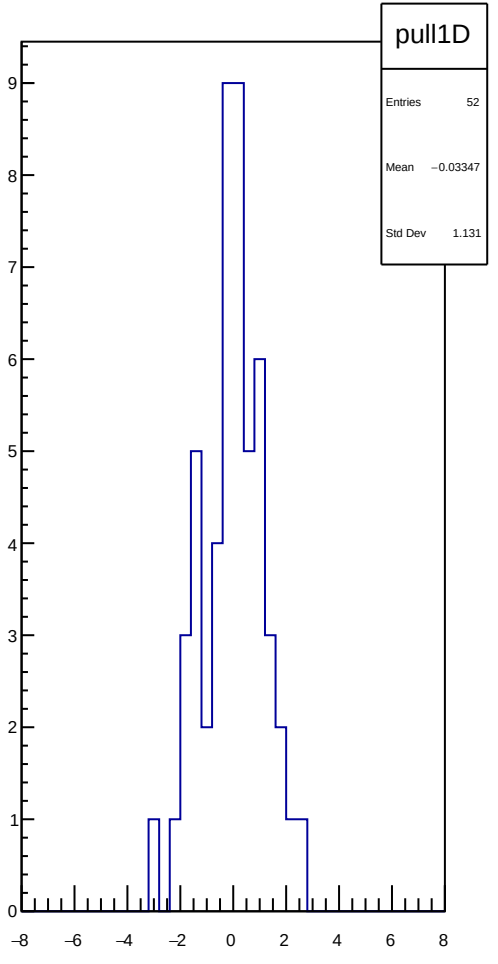
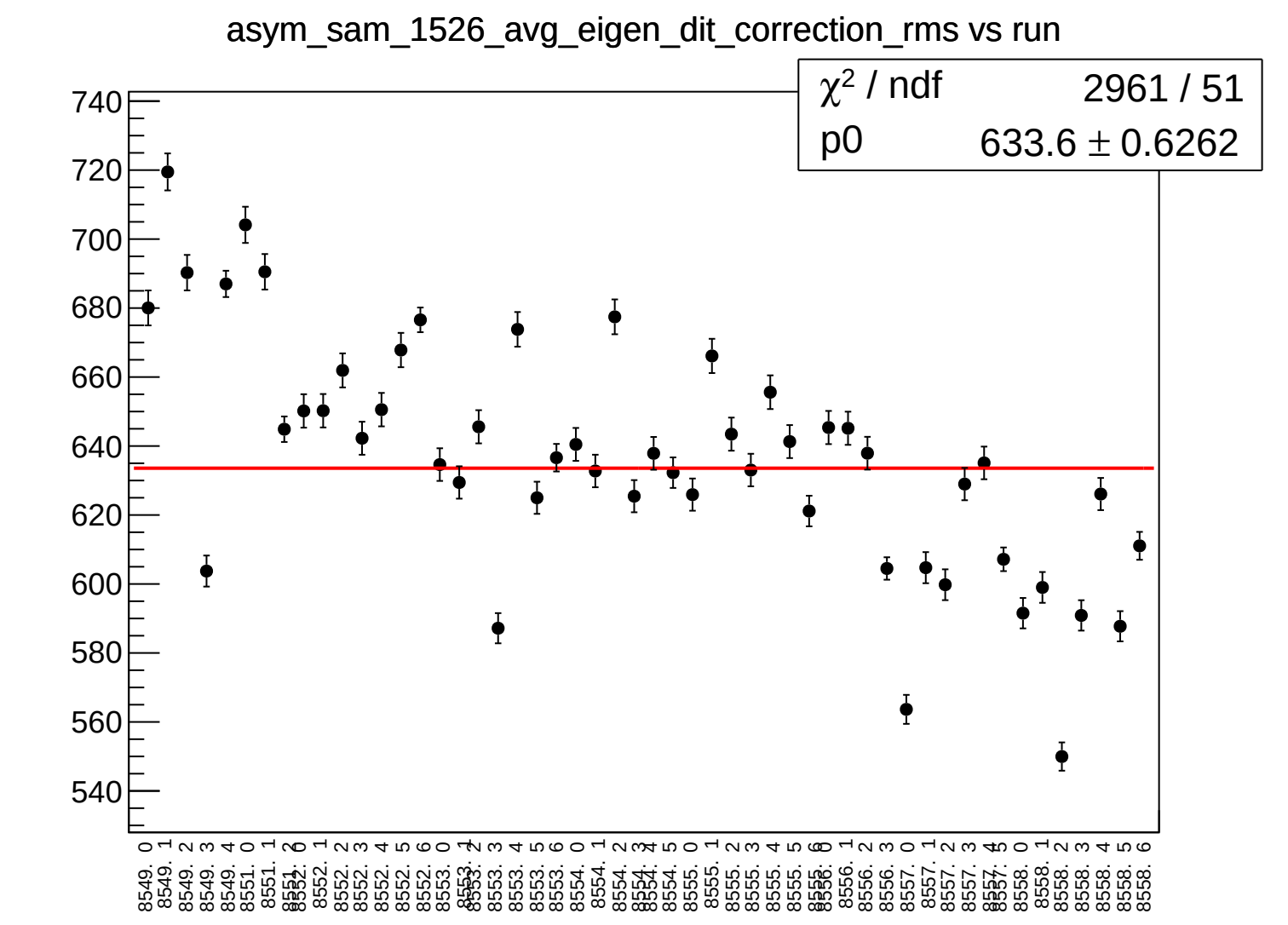

eigen_dit_asym_sam_1526_avg_mean vs run
χ² / ndf 61.76 / 51
p0 60.45 ± 114.2
pull
Entries 52
Mean 155.2
Std Dev 0

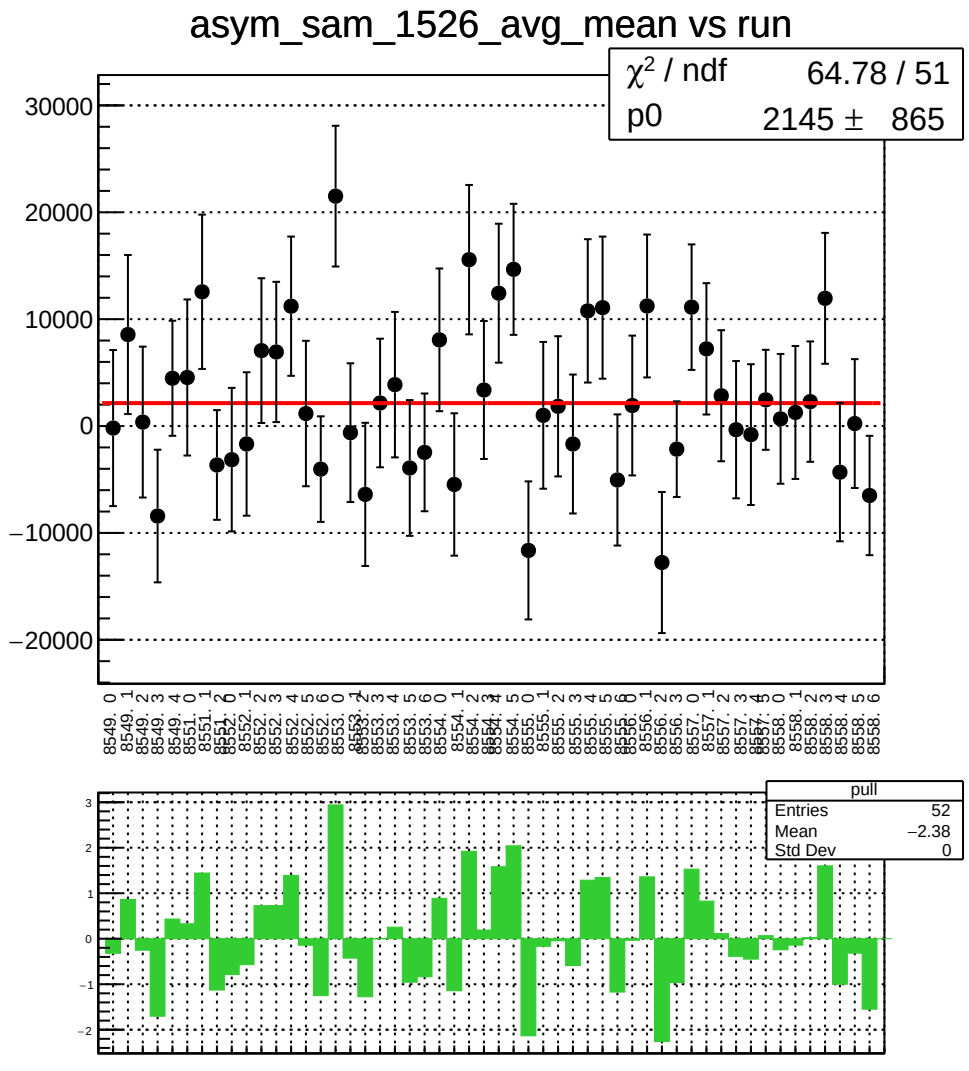

pull1D
Entries 52
Mean −0.01245
Std Dev 1.09

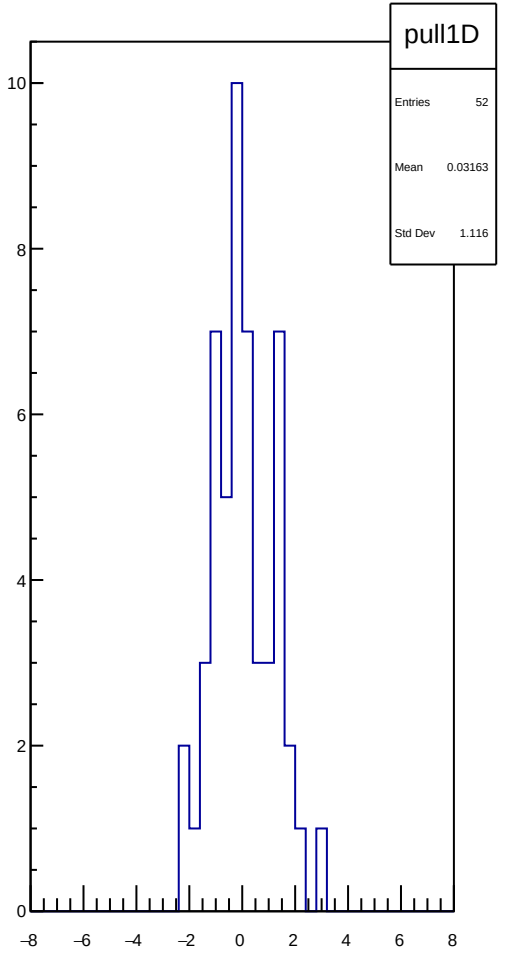

eigen_dit_asym_sam_1526_avg_rms vs run
χ² / ndf 1.964e+04 / 51
p0 81.06 ± 0.08078
160
140
120
100
80
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 5
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

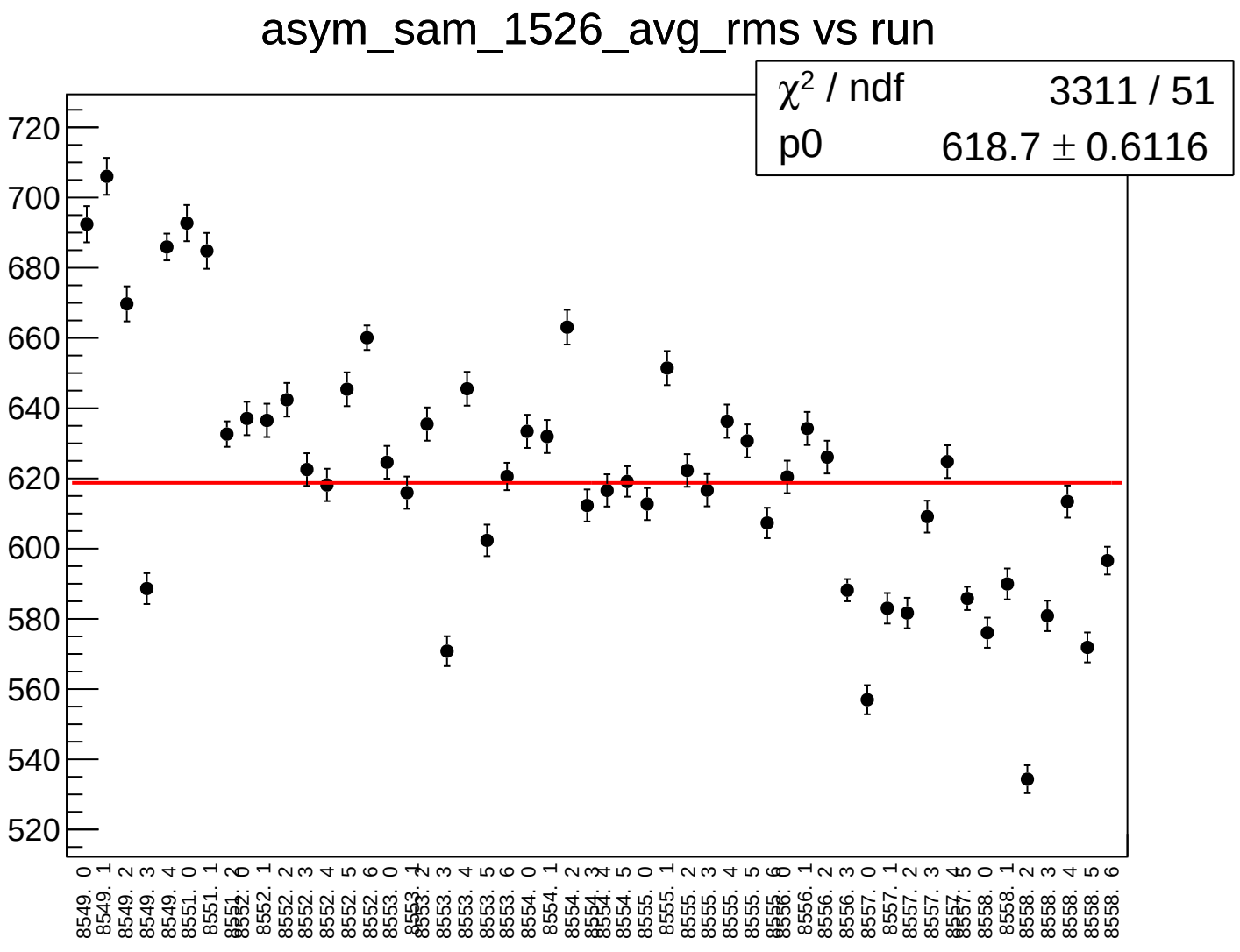

asym_sam_1526_avg_eigen_dit_correction_mean vs run
χ² / ndf 66.6 / 51
p0 −2048 ± 885.5
20000
10000
0
−10000
−20000
−30000
pull
Entries 52
Mean 11.33
Std Dev 0
2
1
0
−1
−2
−3

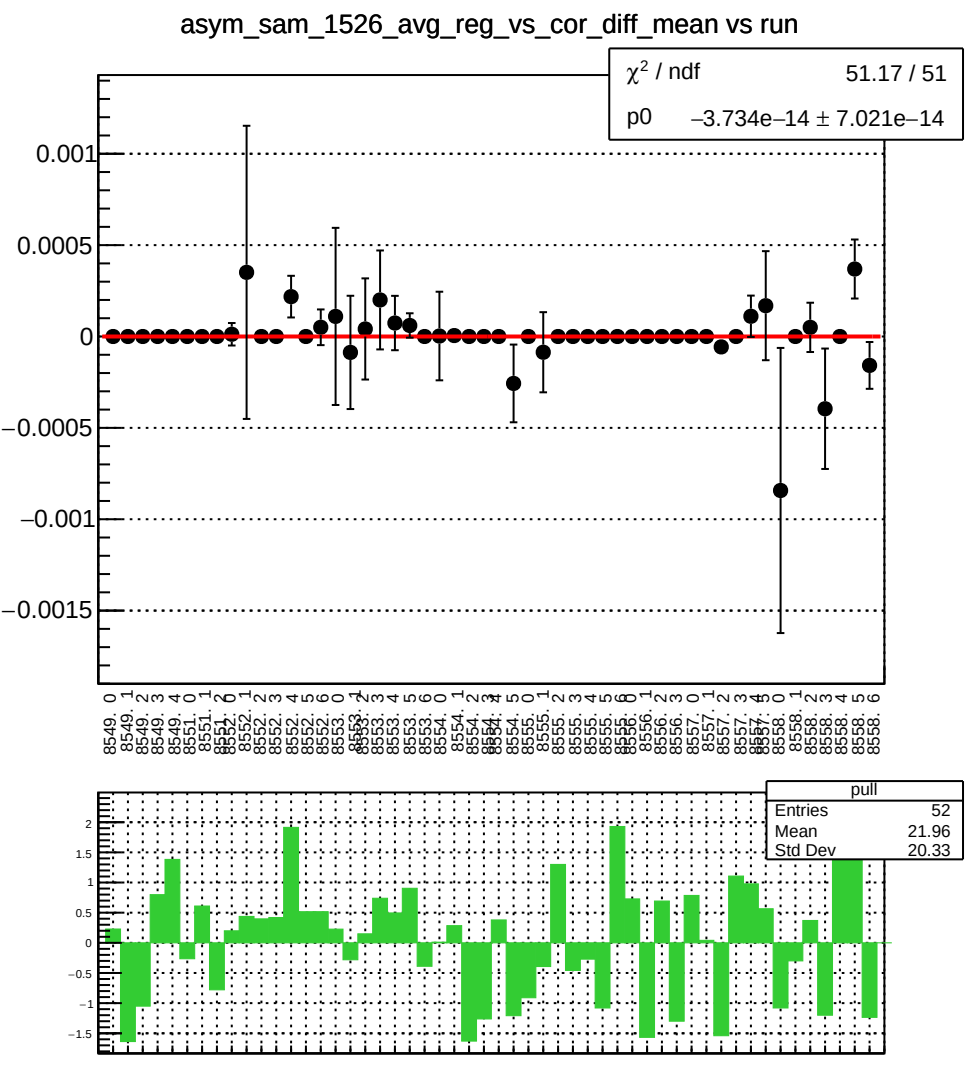

pull1D
Entries 52
Mean −0.03347
Std Dev 1.131
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

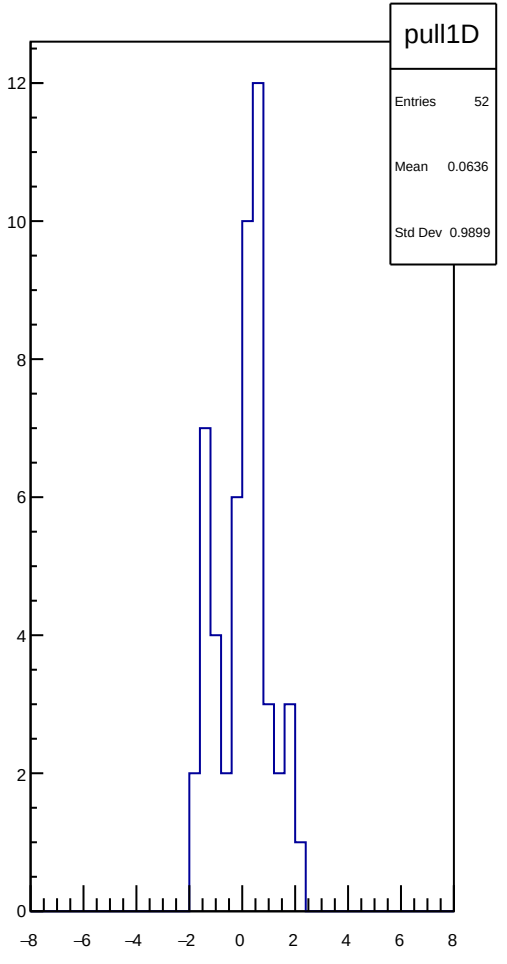

asym_sam_1526_avg_eigen_dit_correction_rms vs run
χ² / ndf 2961 / 51
p0 633.6 ± 0.6262
740
720
700
680
660
640
620
600
580
560
540
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 5
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

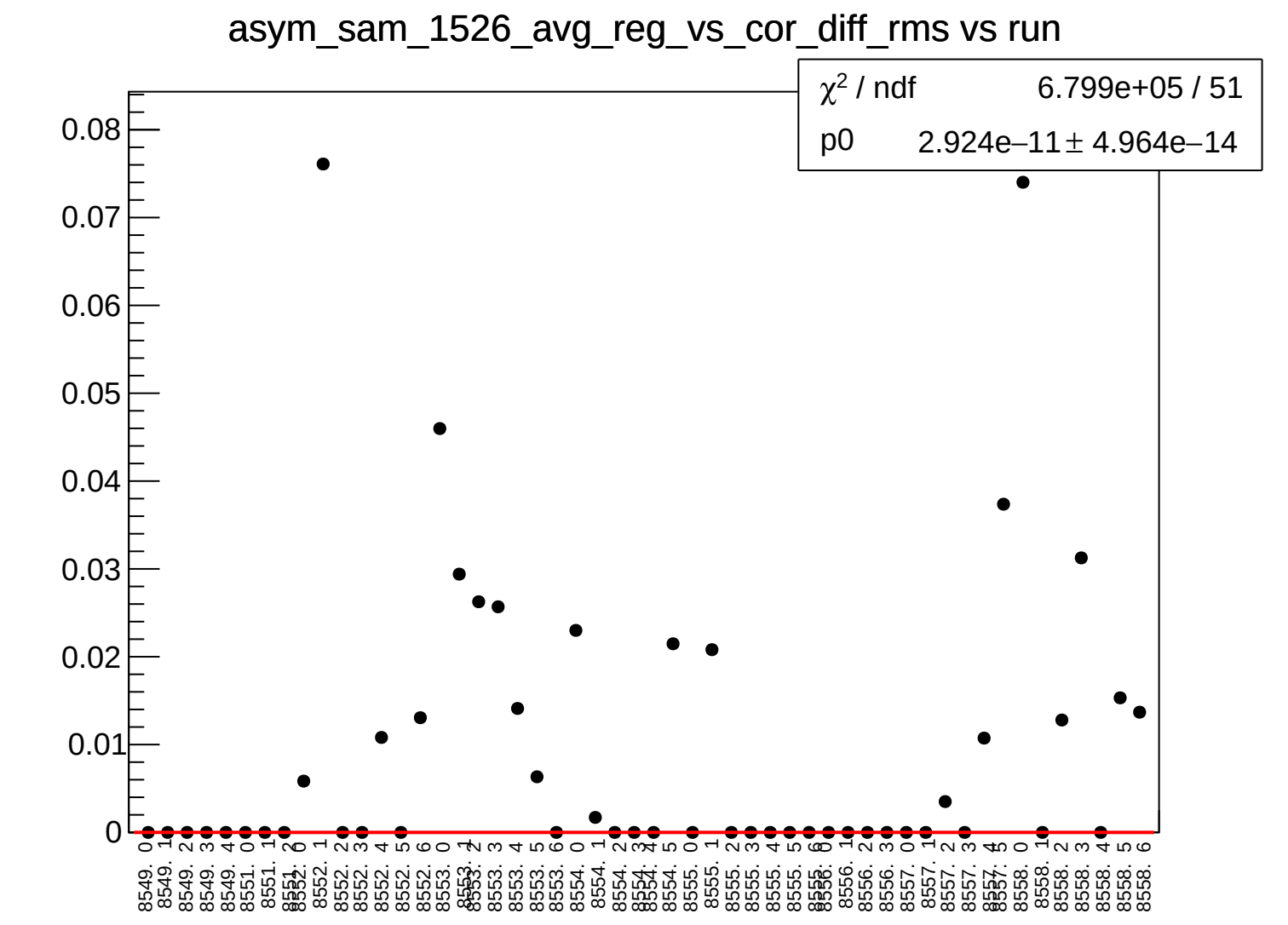

asym_sam_1526_avg_mean vs run
χ² / ndf 64.78 / 51
p0 2145 ± 865
pull
Entries 52
Mean −2.38
Std Dev 0

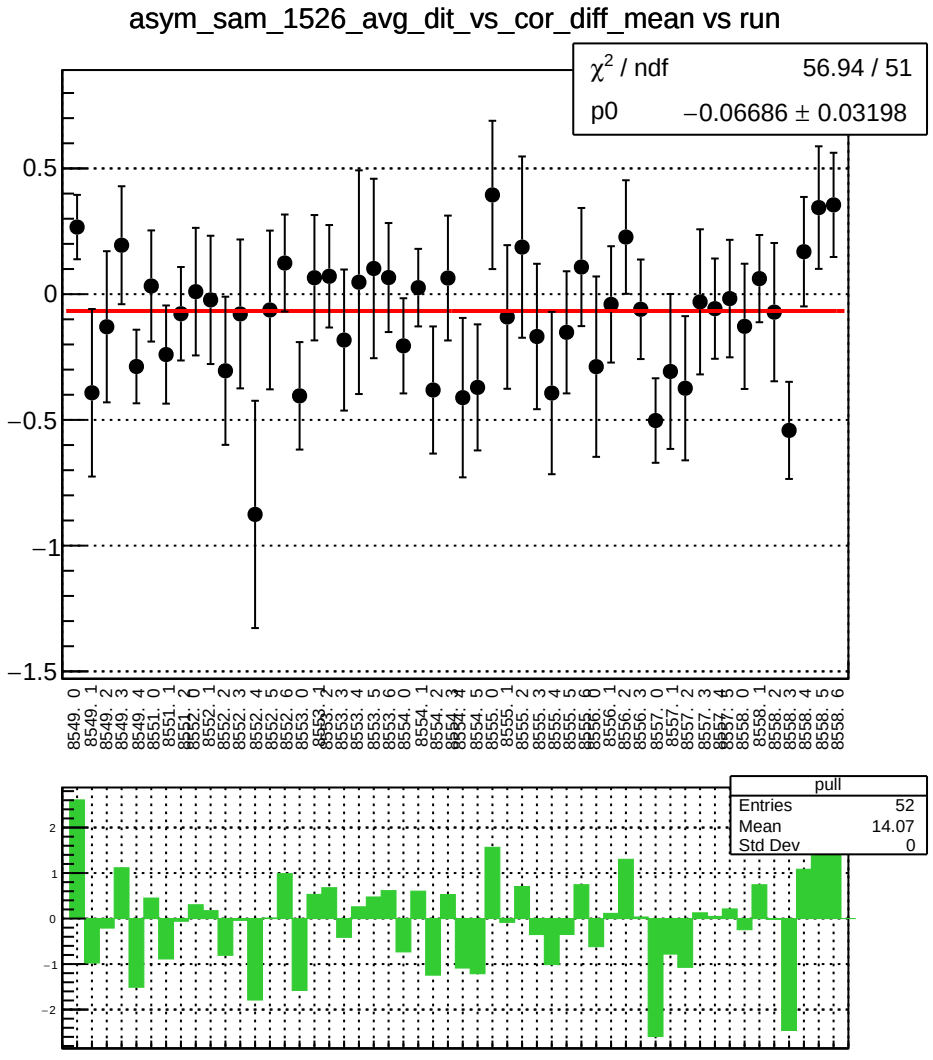

pull1D
Entries 52
Mean 0.03163
Std Dev 1.116

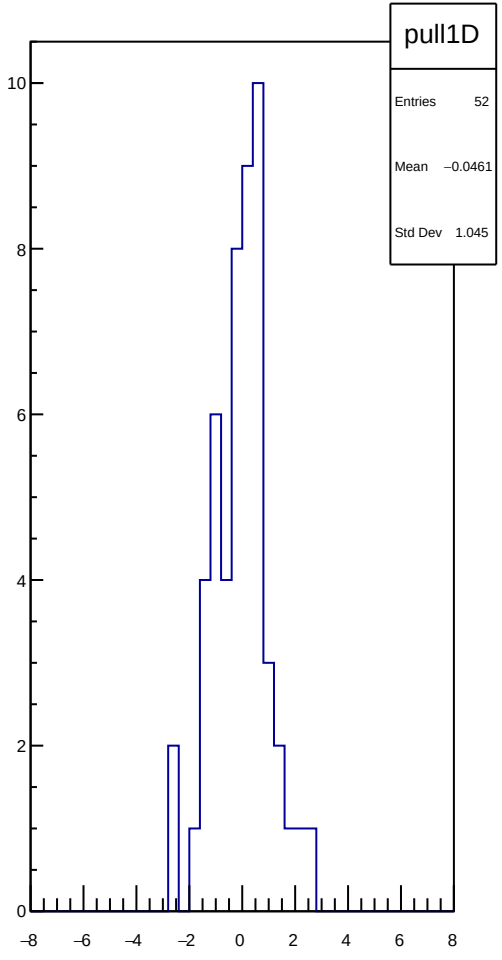

asym_sam_1526_avg_rms vs run
χ² / ndf 3311 / 51
p0 618.7 ± 0.6116
720
700
680
660
640
620
600
580
560
540
520
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 5
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

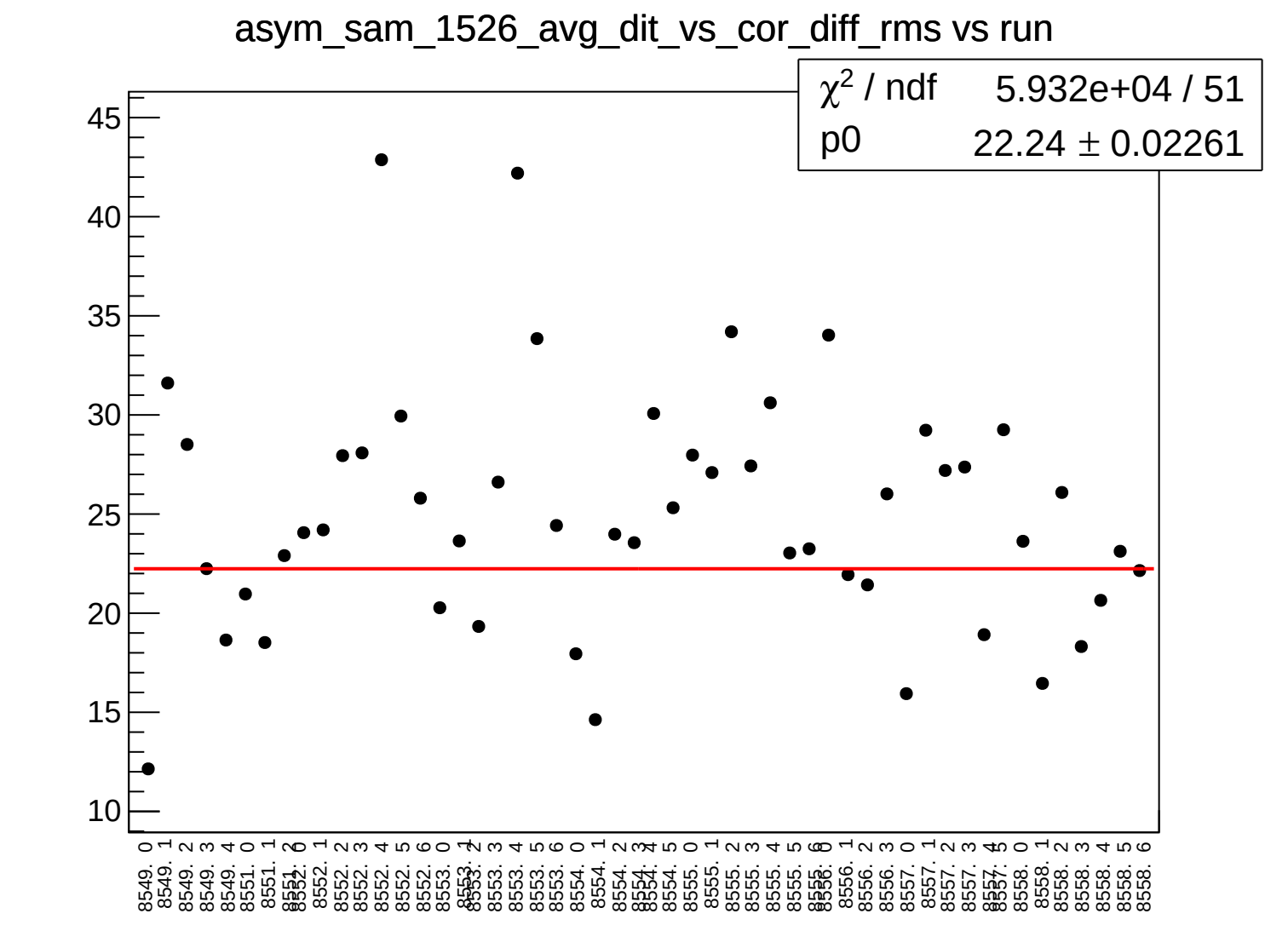

asym_sam_1526_avg_reg_vs_cor_diff_mean vs run
χ² / ndf 51.17 / 51
p0 −3.734e−14 ± 7.021e−14
0.001
0.0005
0
−0.0005
−0.001
−0.0015
pull
Entries 52
Mean 21.96
Std Dev 20.33
2
1.5
1
0.5
0
−0.5
−1
−1.5

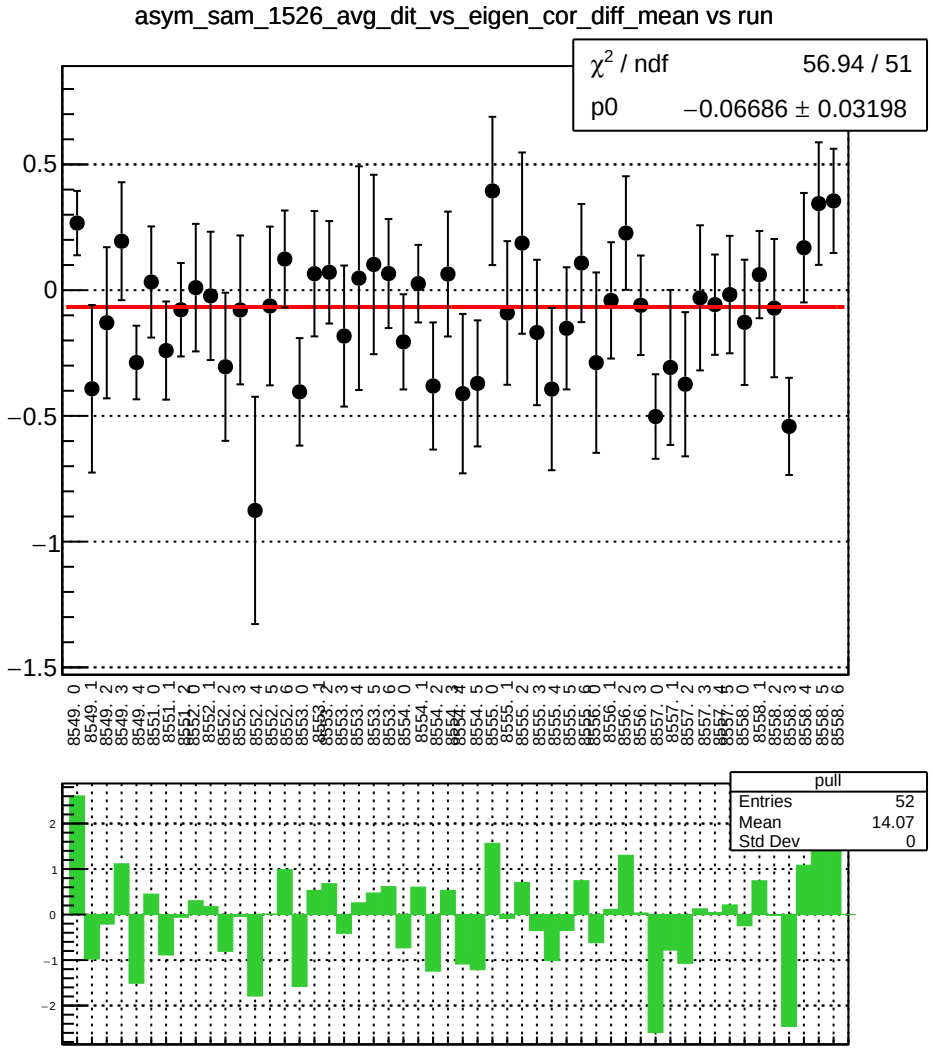

pull1D
Entries 52
Mean 0.0636
Std Dev 0.9899
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

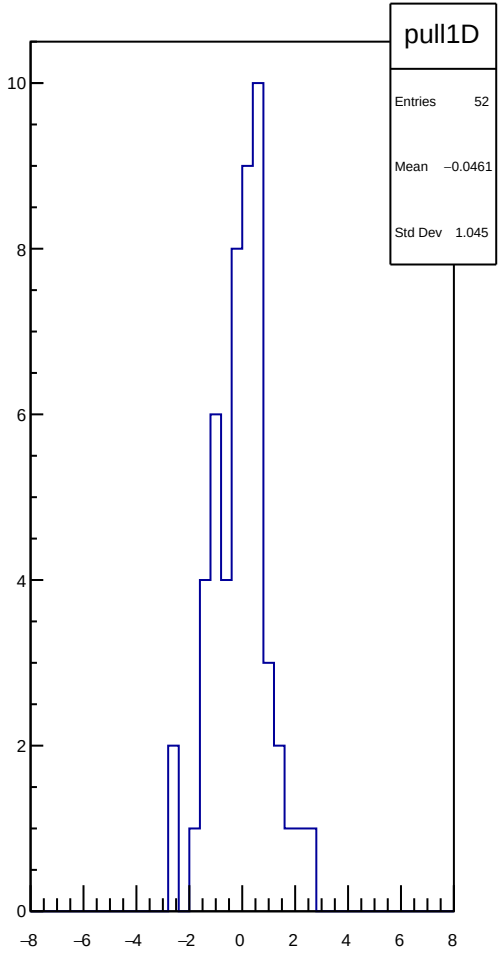

asym_sam_1526_avg_reg_vs_cor_diff_rms vs run
χ² / ndf 6.799e+05 / 51
p0 2.924e−11 ± 4.964e−14
0.08
0.07
0.06
0.05
0.04
0.03
0.02
0.01
0
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8549. 5
8551. 0
8551. 1
8551. 2
8552. 0
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 1
8553. 2
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 3
8554. 4
8554. 5
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8555. 6
8556. 0
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8557. 4
8557. 5
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

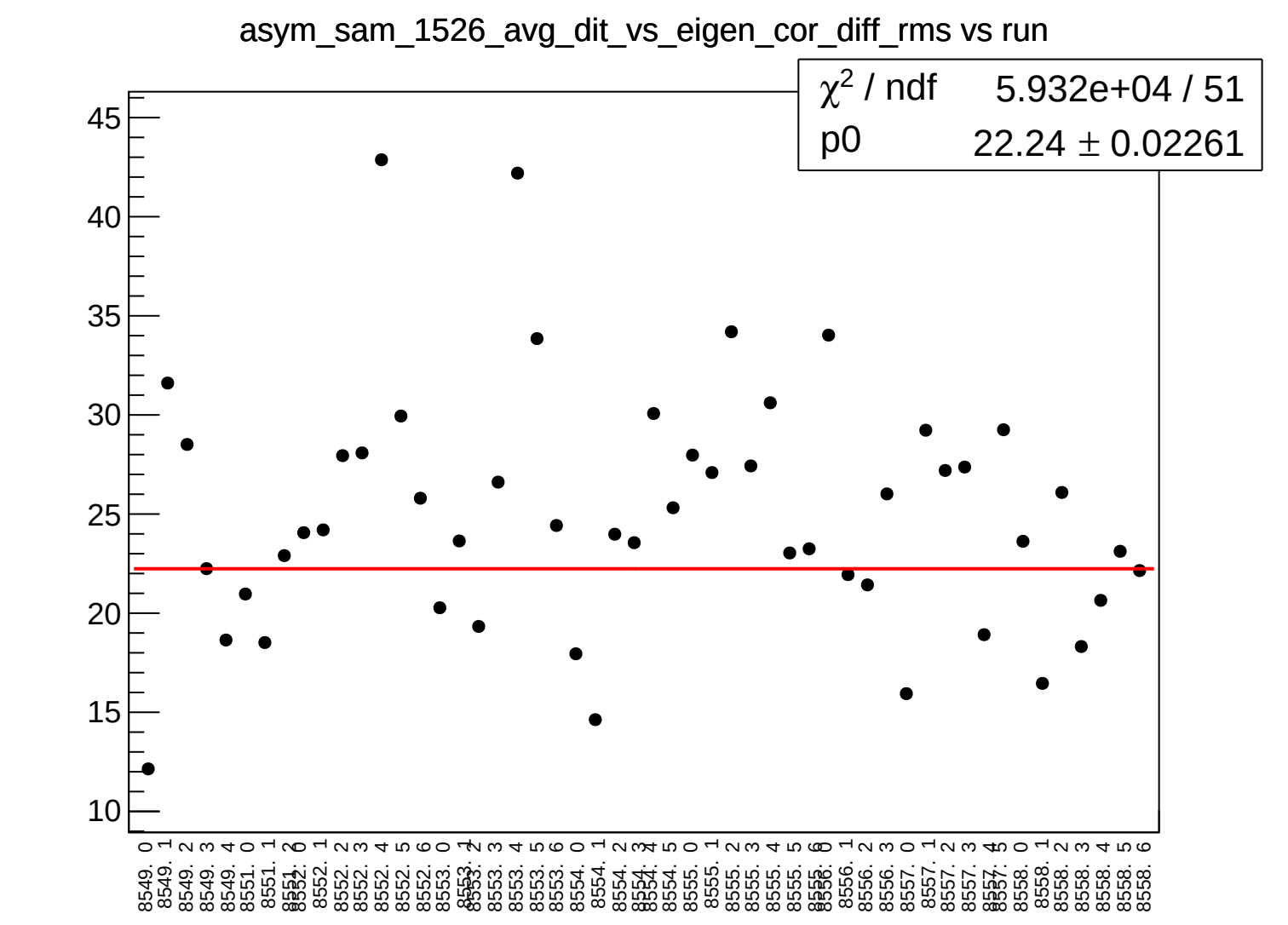

asym_sam_1526_avg_dit_vs_cor_diff_mean vs run
χ² / ndf 56.94 / 51
p0 −0.06686 ± 0.03198
pull
Entries 52
Mean 14.07
Std Dev 0

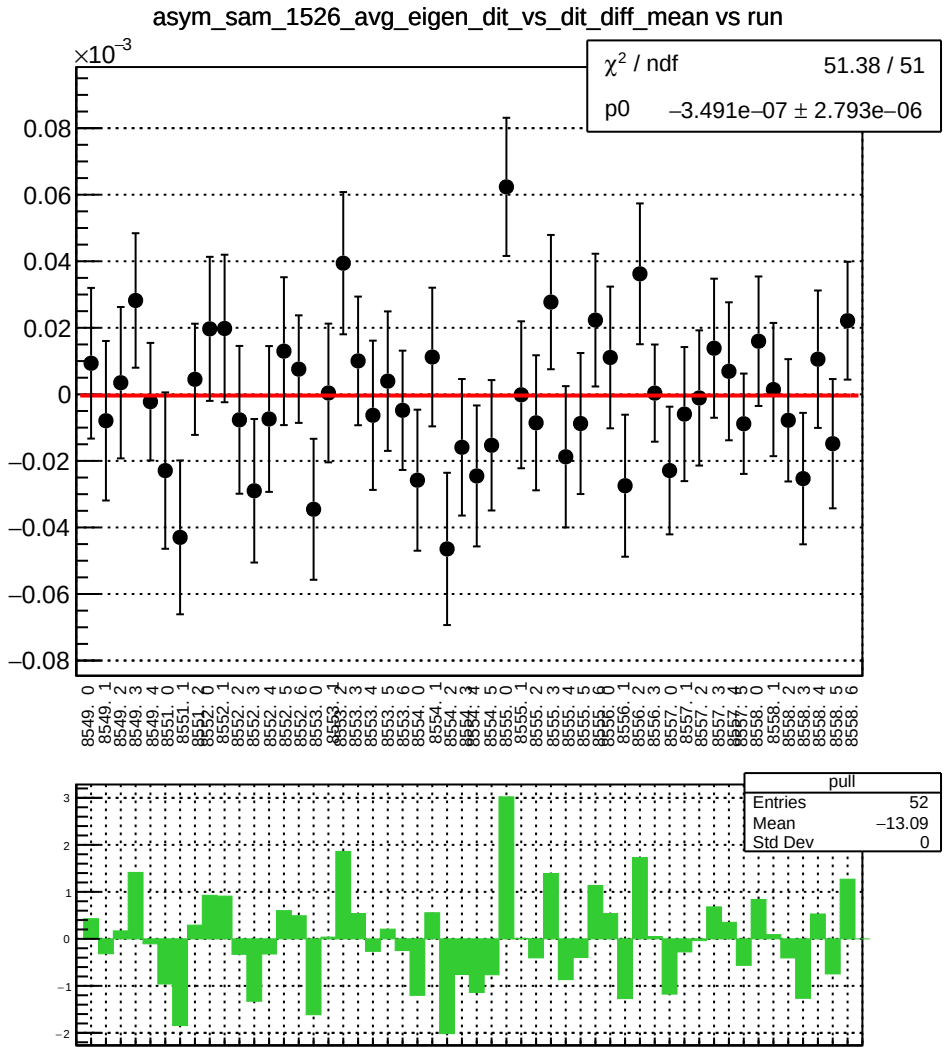

pull1D
Entries 52
Mean −0.0461
Std Dev 1.045

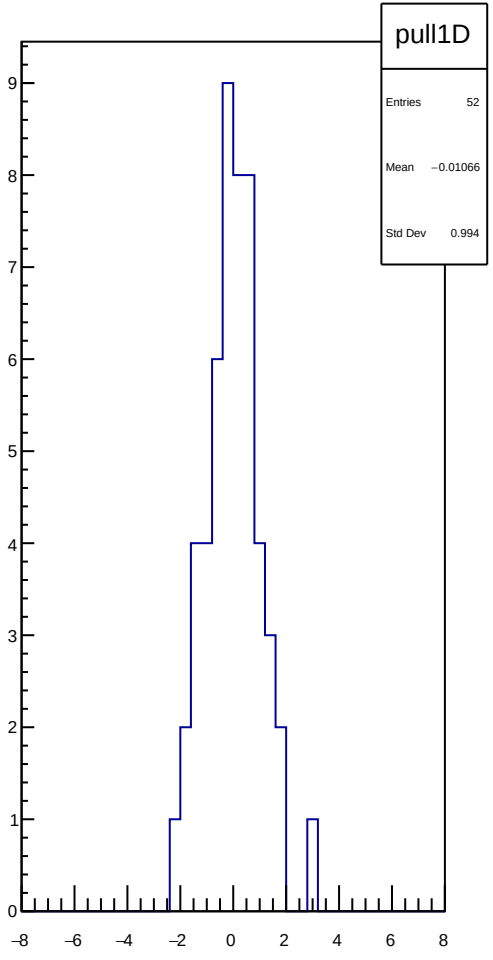

asym_sam_1526_avg_dit_vs_cor_diff_rms vs run
χ² / ndf 5.932e+04 / 51
p0 22.24 ± 0.02261
45
40
35
30
25
20
15
10
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

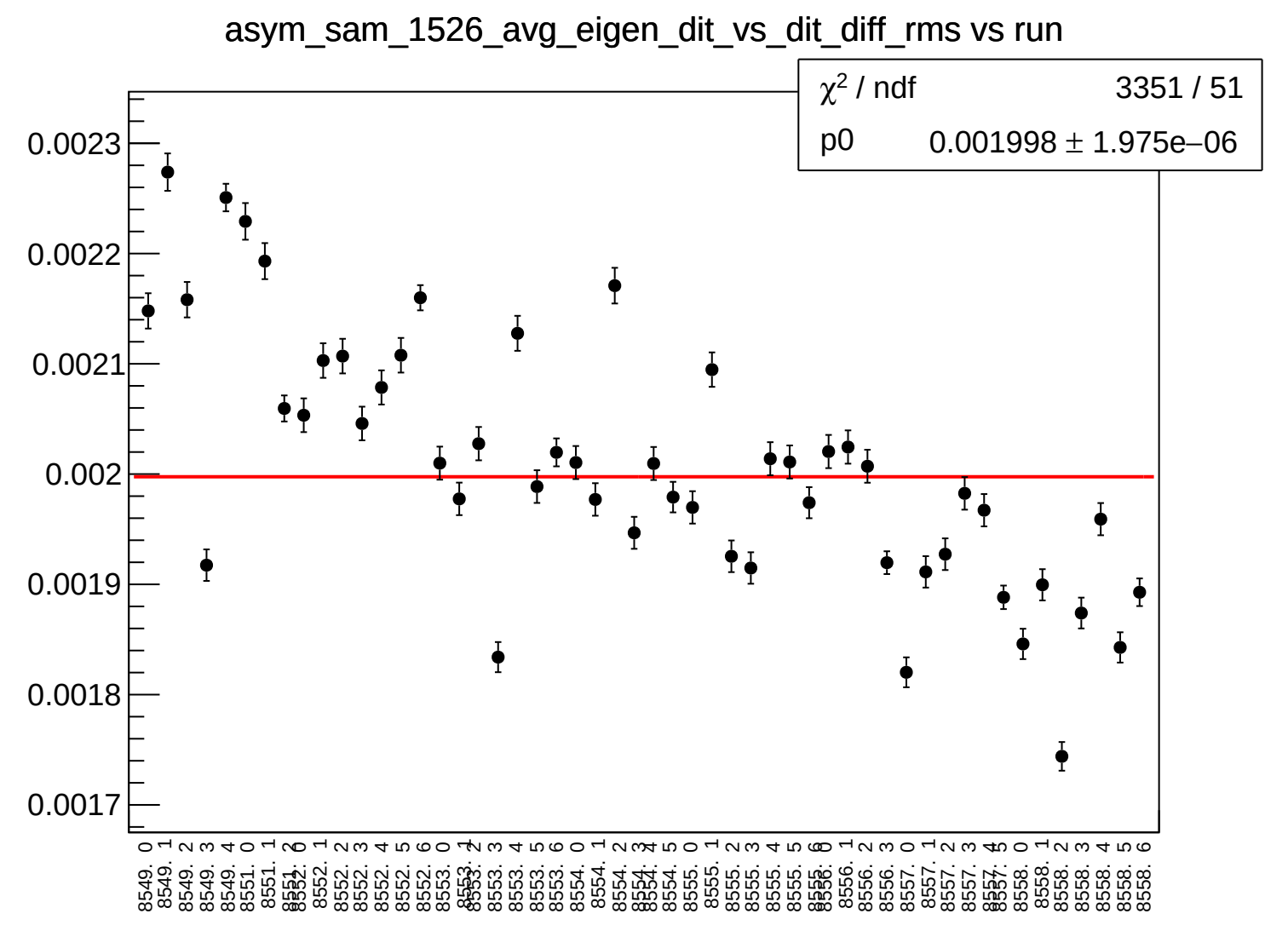

asym_sam_1526_avg_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 56.94 / 51
p0 −0.06686 ± 0.03198
pull
Entries 52
Mean 14.07
Std Dev 0

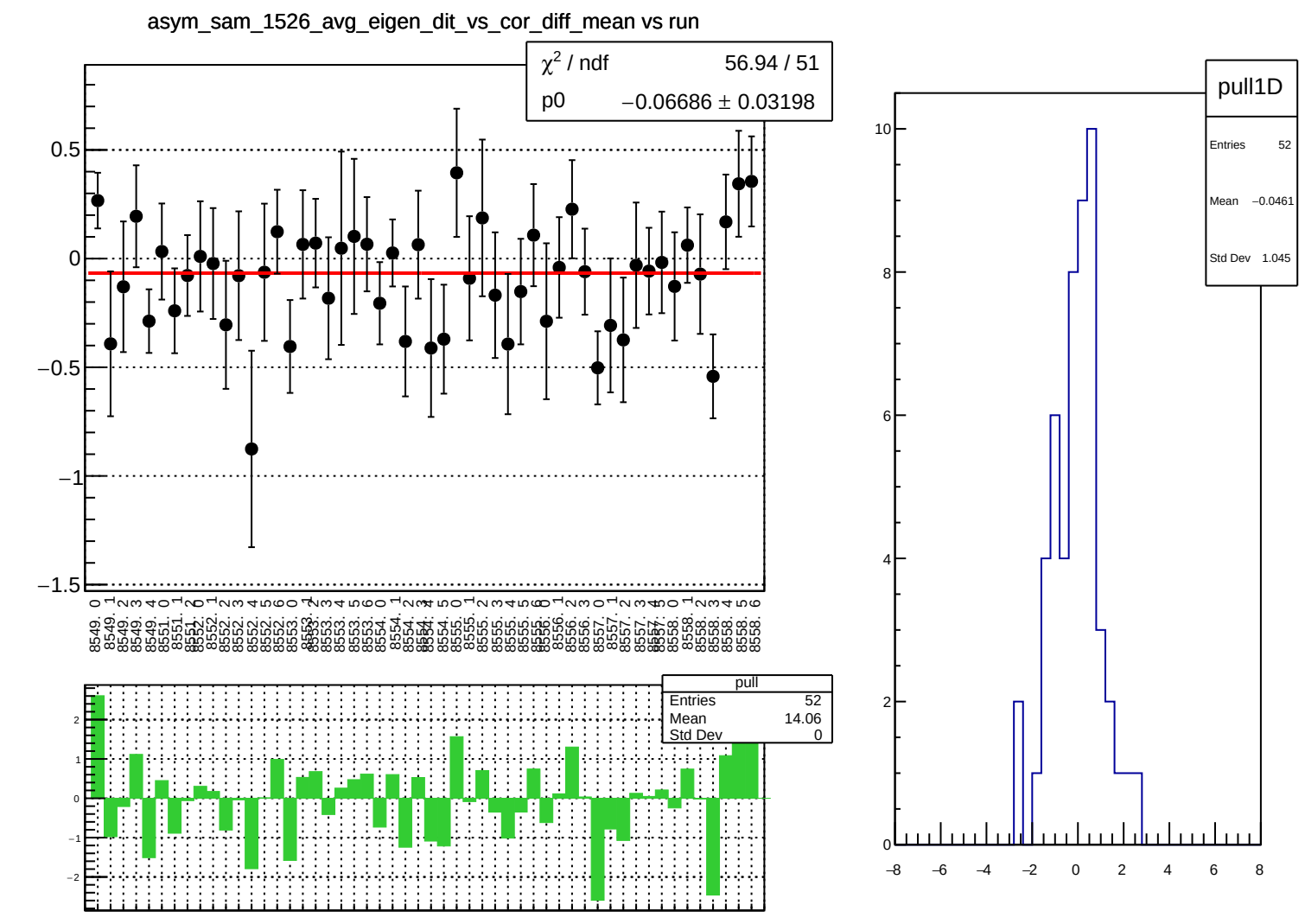

pull1D
Entries 52
Mean −0.0461
Std Dev 1.045

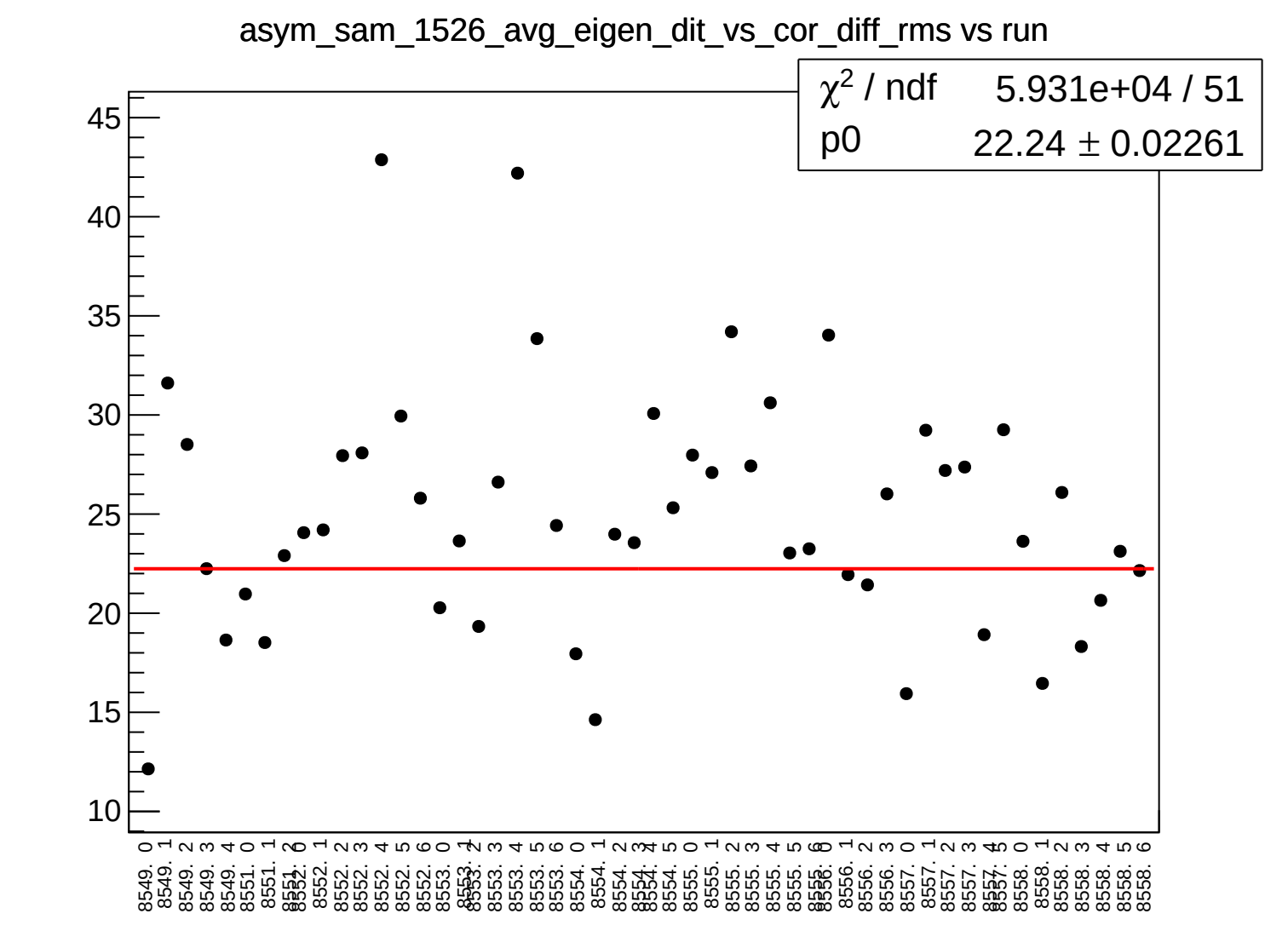

asym_sam_1526_avg_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 5.932e+04 / 51
p0 22.24 ± 0.02261
45
40
35
30
25
20
15
10
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 5
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

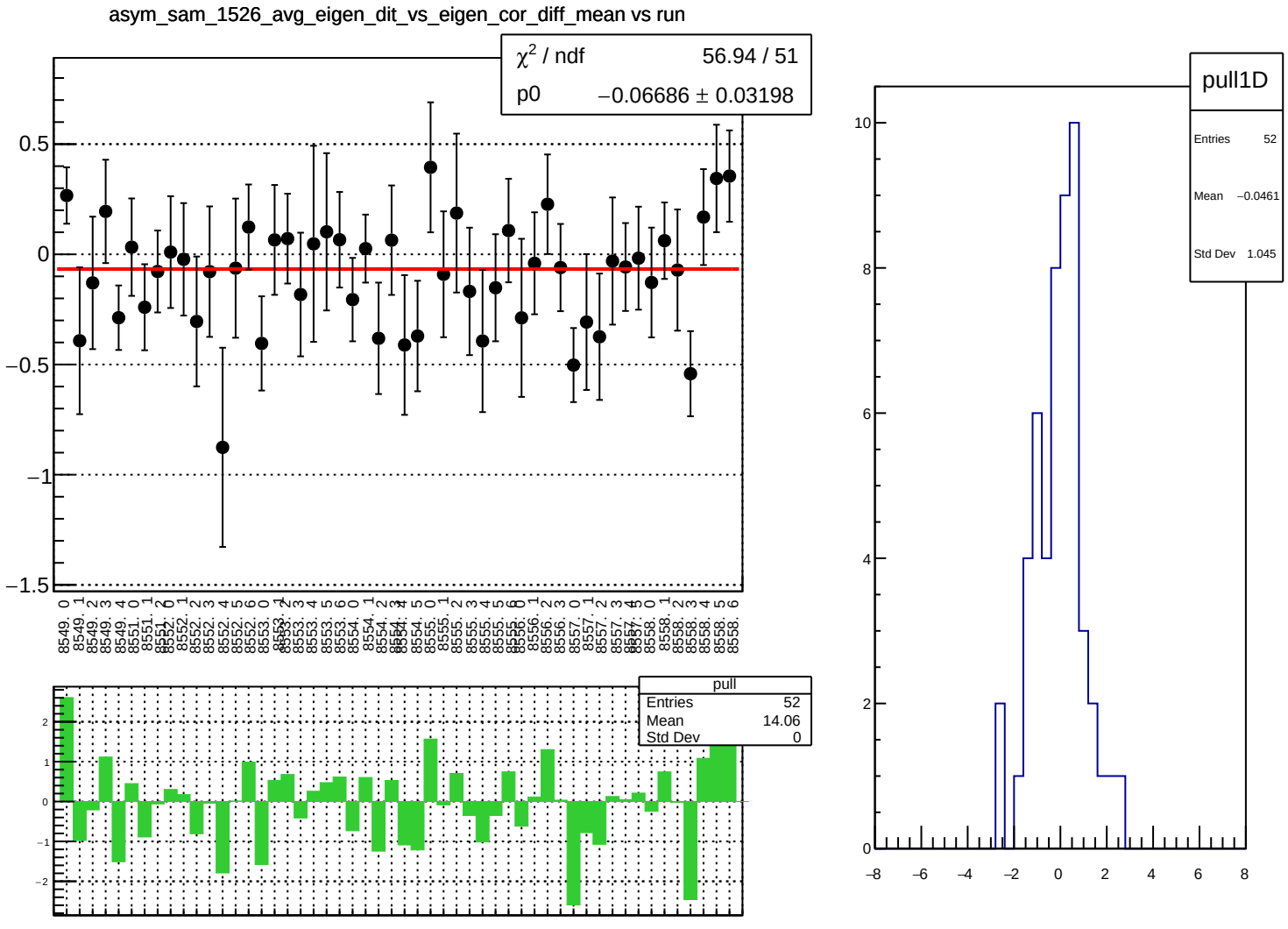

asym_sam_1526_avg_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 51.38 / 51
p0 −3.491e−07 ± 2.793e−06
pull
Entries 52
Mean −13.09
Std Dev 0

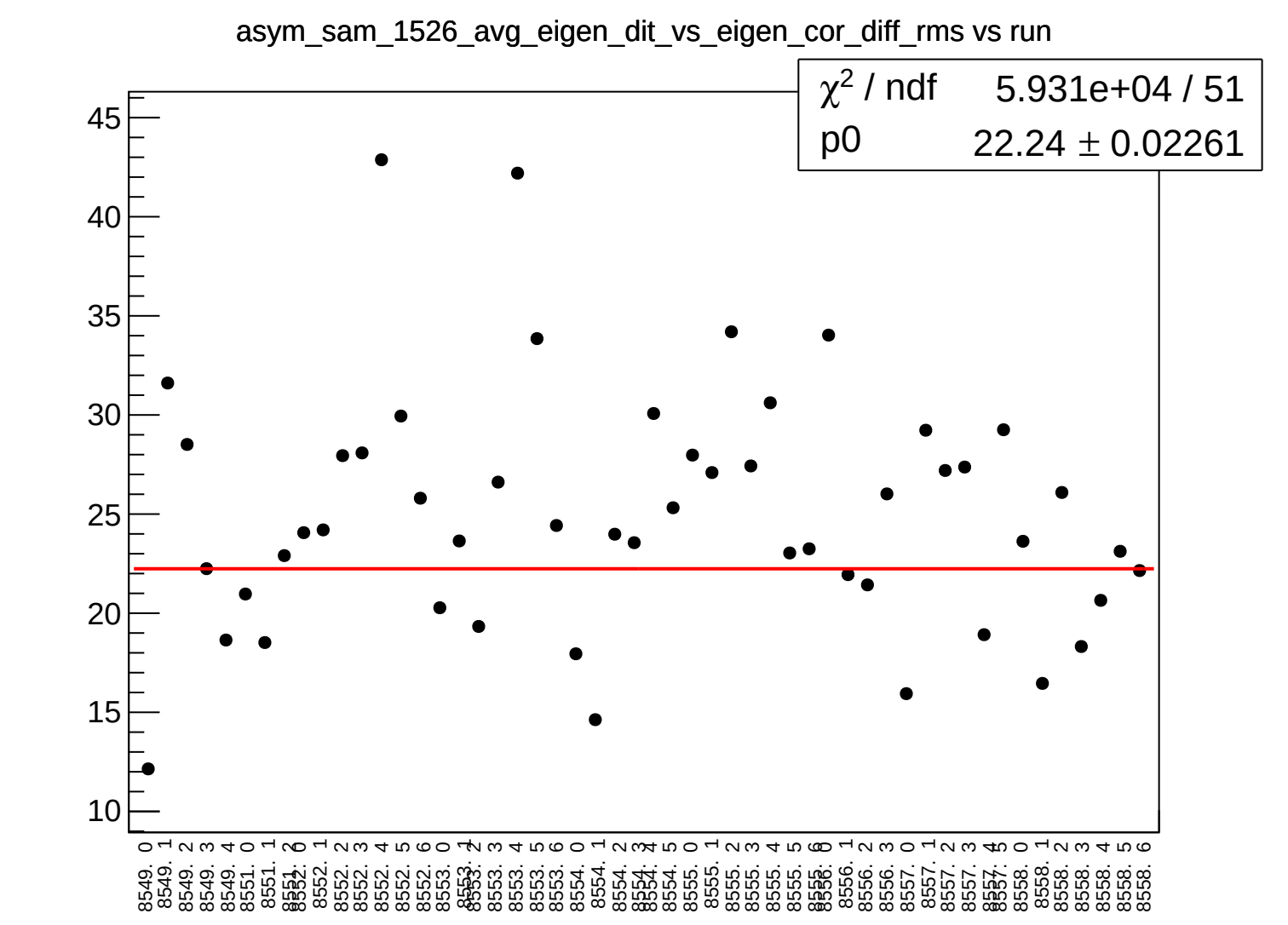

pull1D
Entries 52
Mean −0.01066
Std Dev 0.994

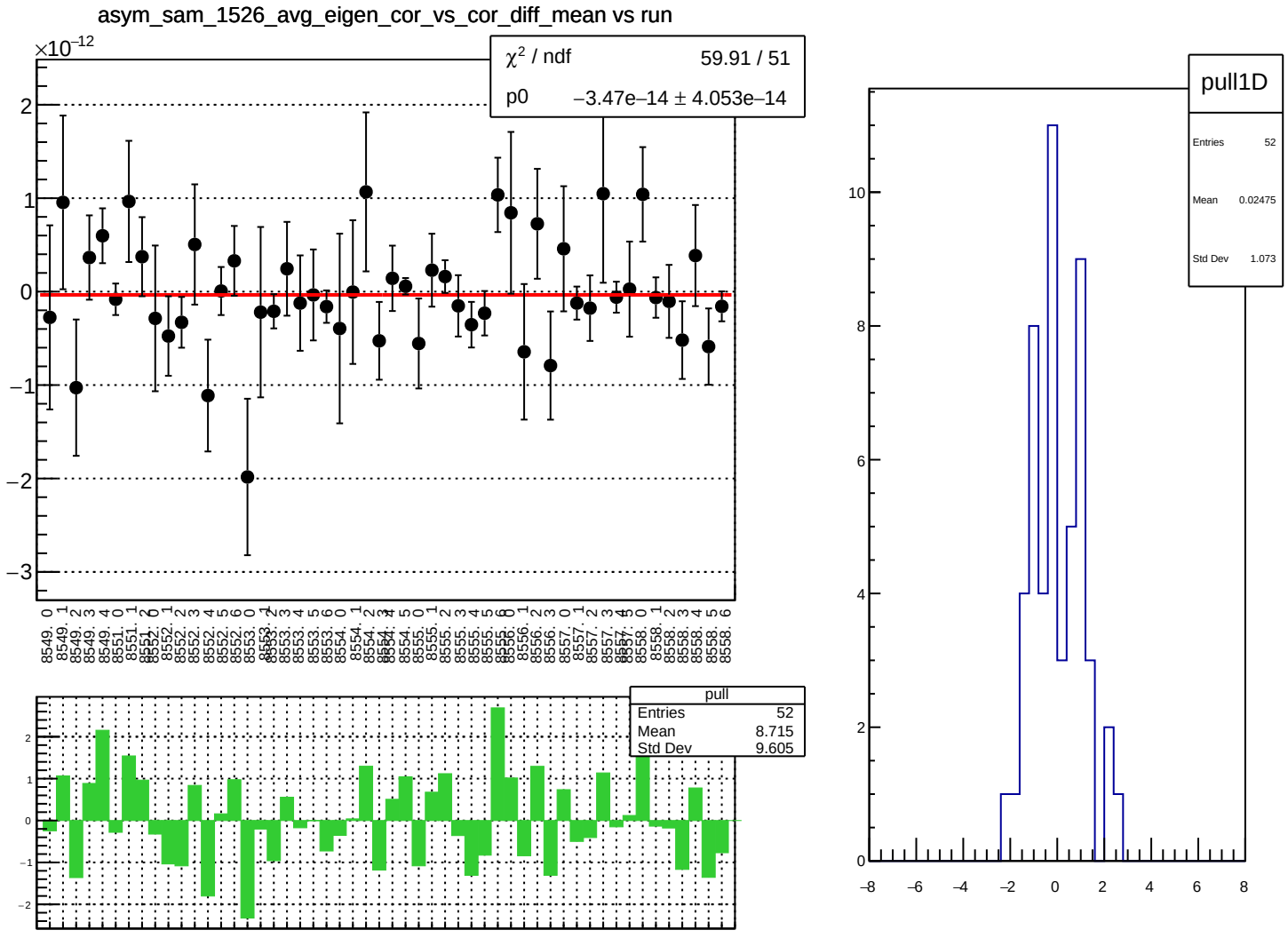

asym_sam_1526_avg_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 3351 / 51
p0 0.001998 ± 1.975e−06
0.0023
0.0022
0.0021
0.002
0.0019
0.0018
0.0017
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

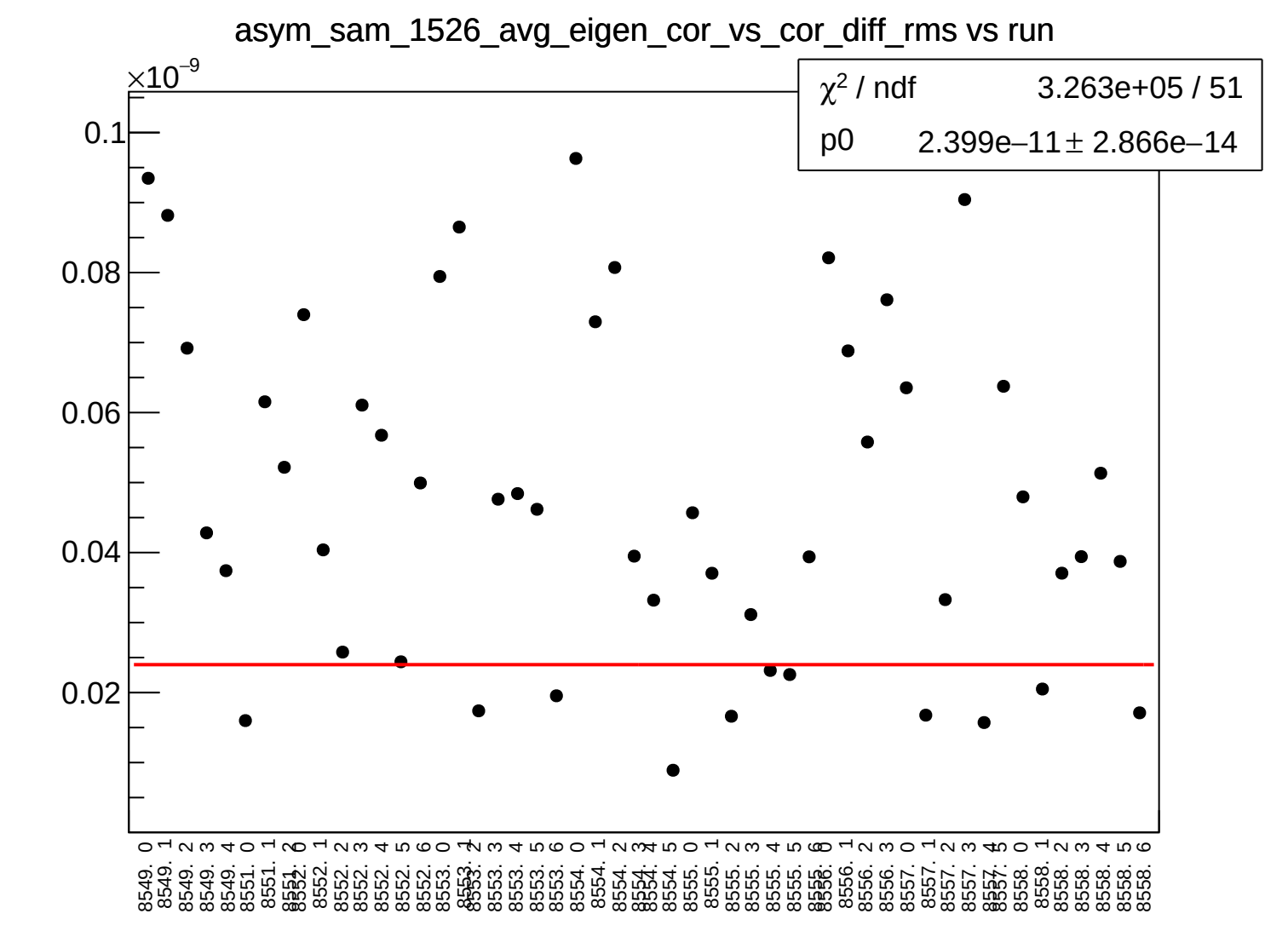

asym_sam_1526_avg_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 56.94 / 51
p0 −0.06686 ± 0.03198
pull
Entries 52
Mean 14.06
Std Dev 0
pull1D
Entries 52
Mean −0.0461
Std Dev 1.045

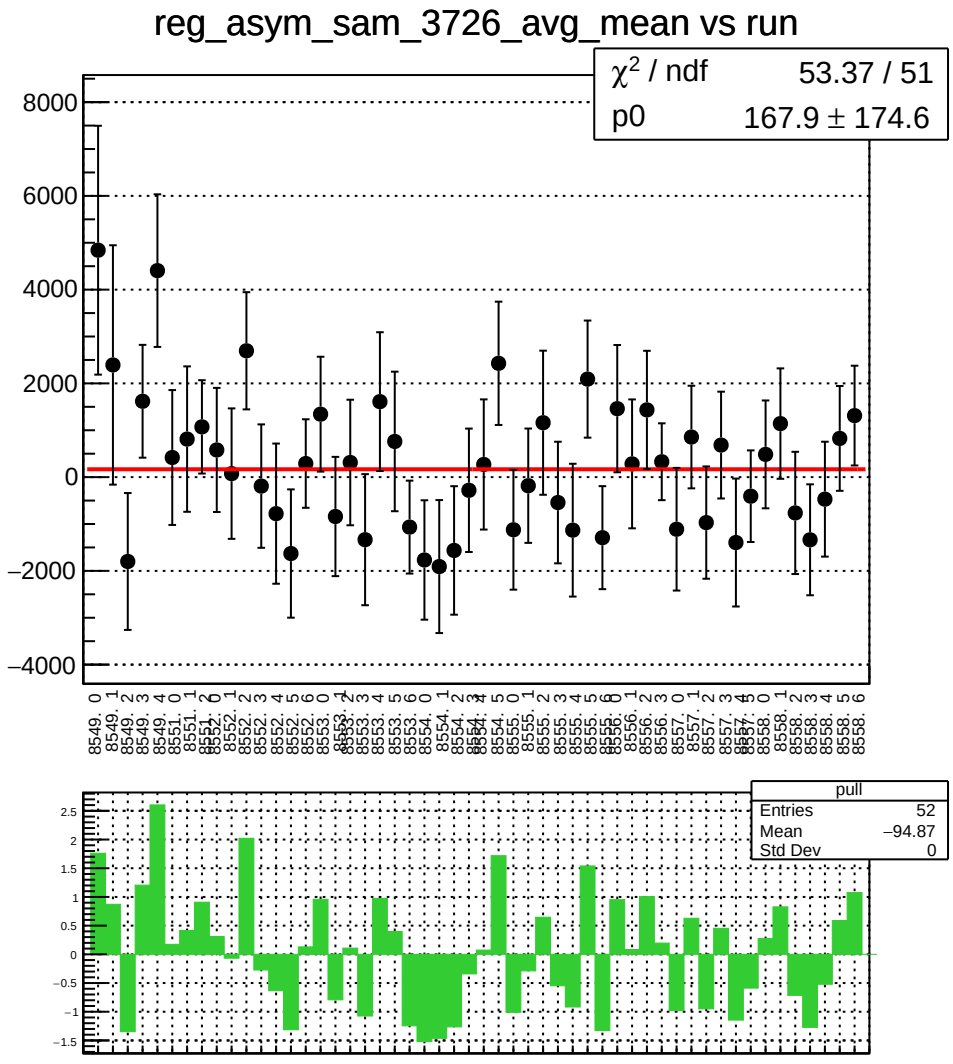

asym_sam_1526_avg_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 5.931e+04 / 51
p0 22.24 ± 0.02261
45
40
35
30
25
20
15
10
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 5
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

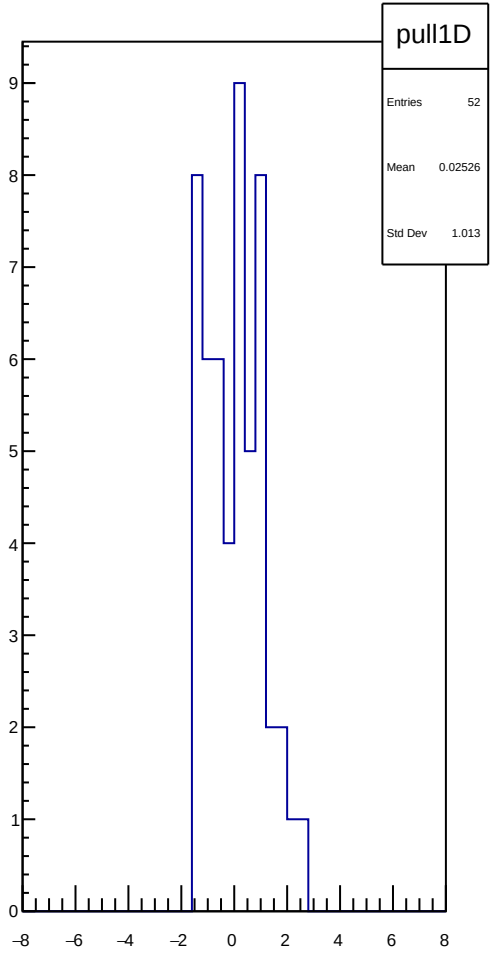

asym_sam_1526_avg_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 56.94 / 51
p0 −0.06686 ± 0.03198
pull
Entries 52
Mean 14.06
Std Dev 0
pull1D
Entries 52
Mean −0.0461
Std Dev 1.045

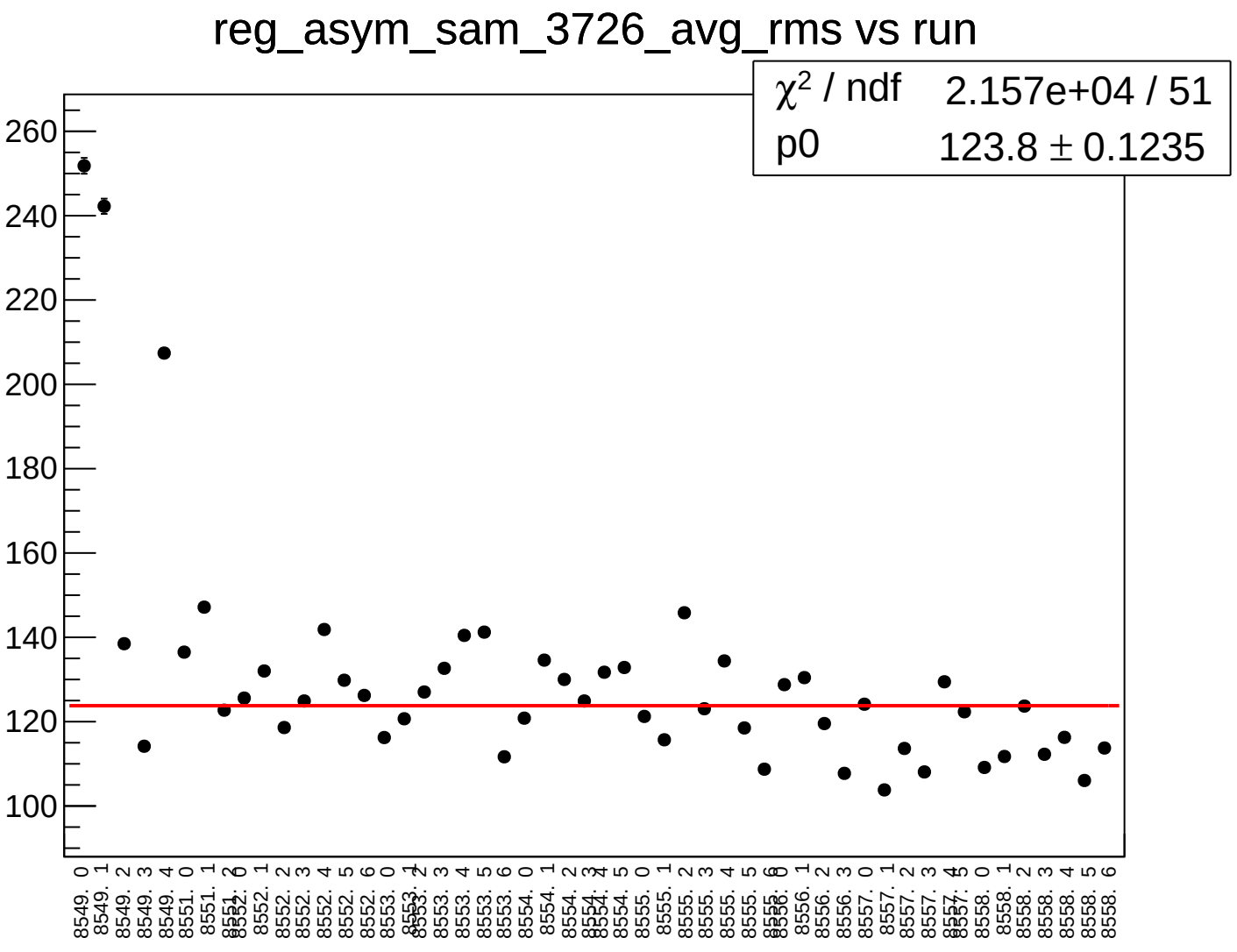

asym_sam_1526_avg_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 5.931e+04 / 51
p0 22.24 ± 0.02261
45
40
35
30
25
20
15
10
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

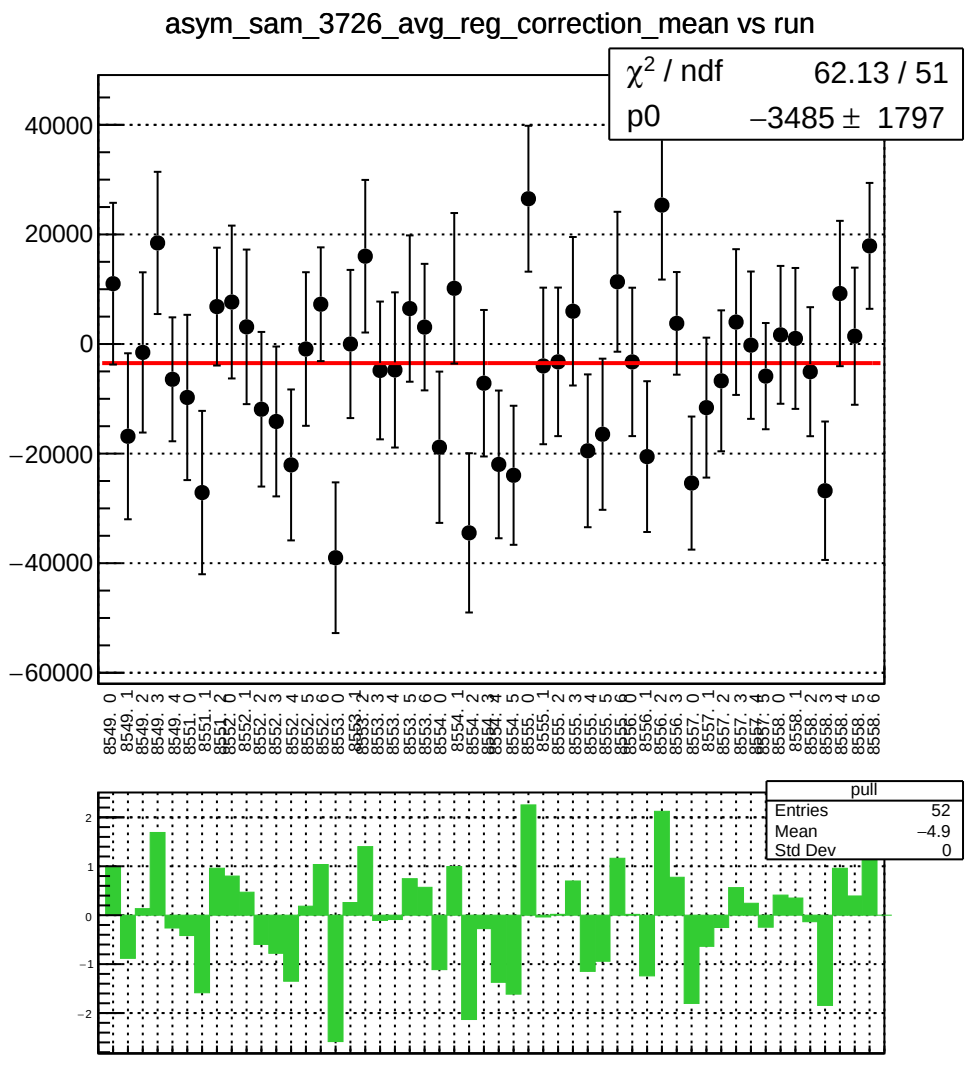

asym_sam_1526_avg_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 59.91 / 51
p0 −3.47e−14 ± 4.053e−14
pull
Entries 52
Mean 8.715
Std Dev 9.605
pull1D
Entries 52
Mean 0.02475
Std Dev 1.073

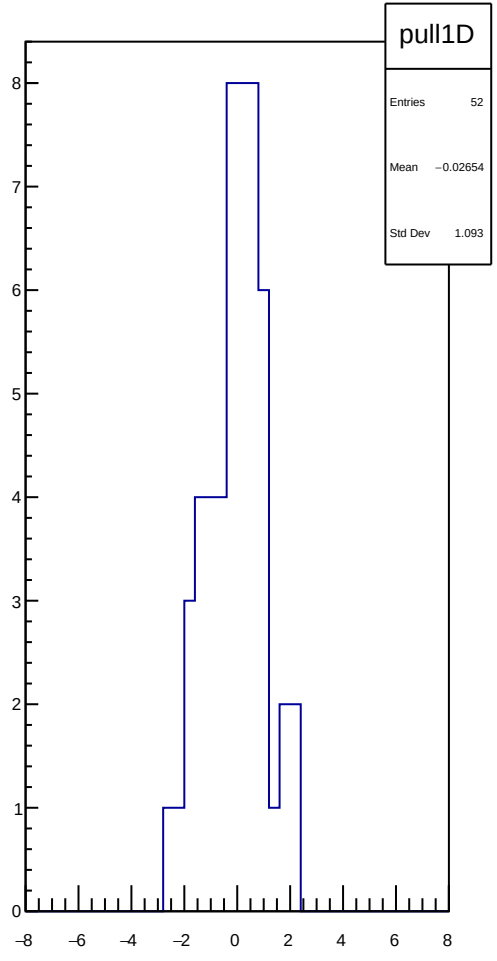

asym_sam_1526_avg_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 3.263e+05 / 51
p0 2.399e−11 ± 2.866e−14
0.1
0.08
0.06
0.04
0.02
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 5
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

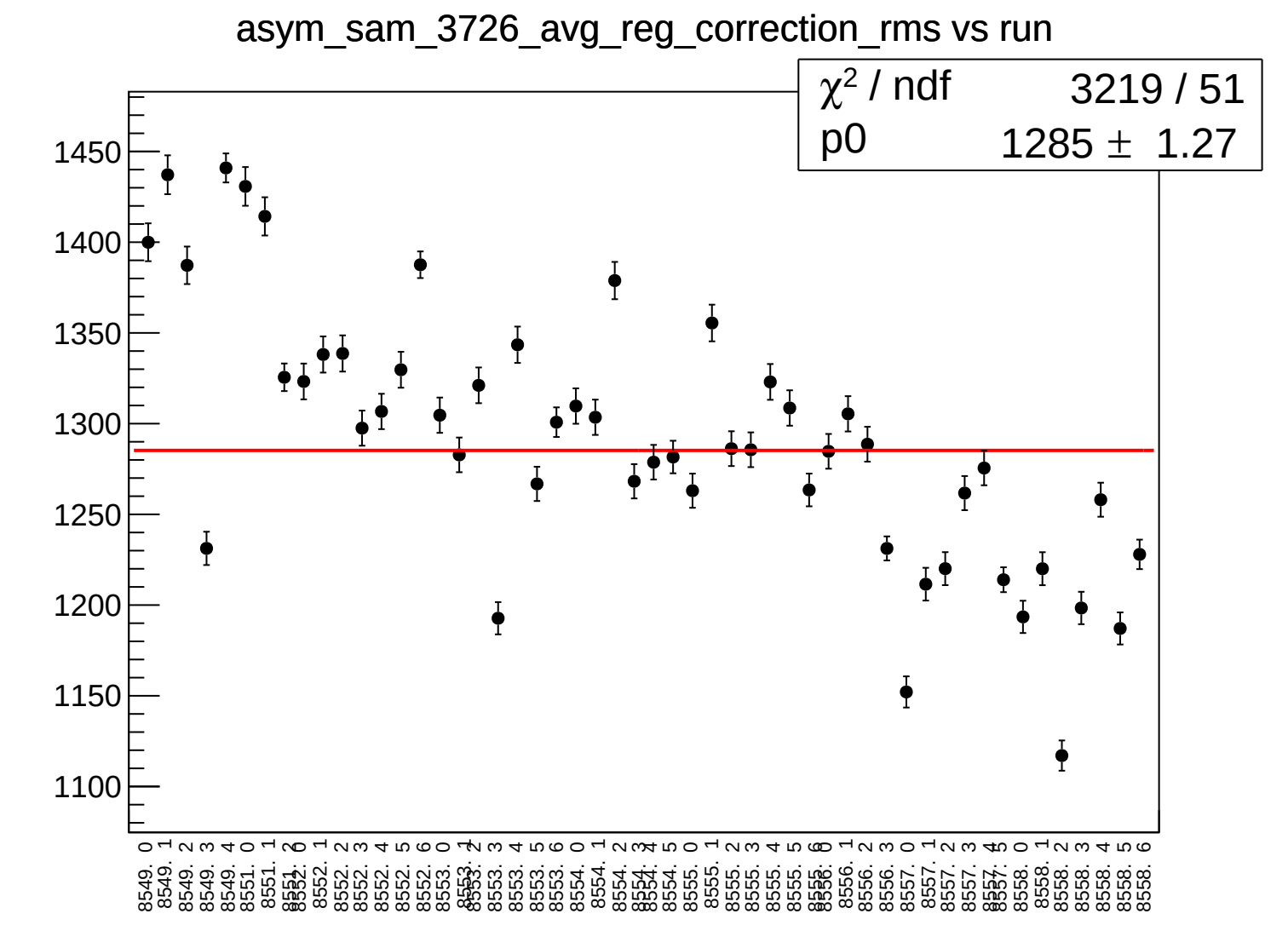

reg_asym_sam_3726_avg_mean vs run
χ² / ndf 53.37 / 51
p0 167.9 ± 174.6
pull
Entries 52
Mean −94.87
Std Dev 0

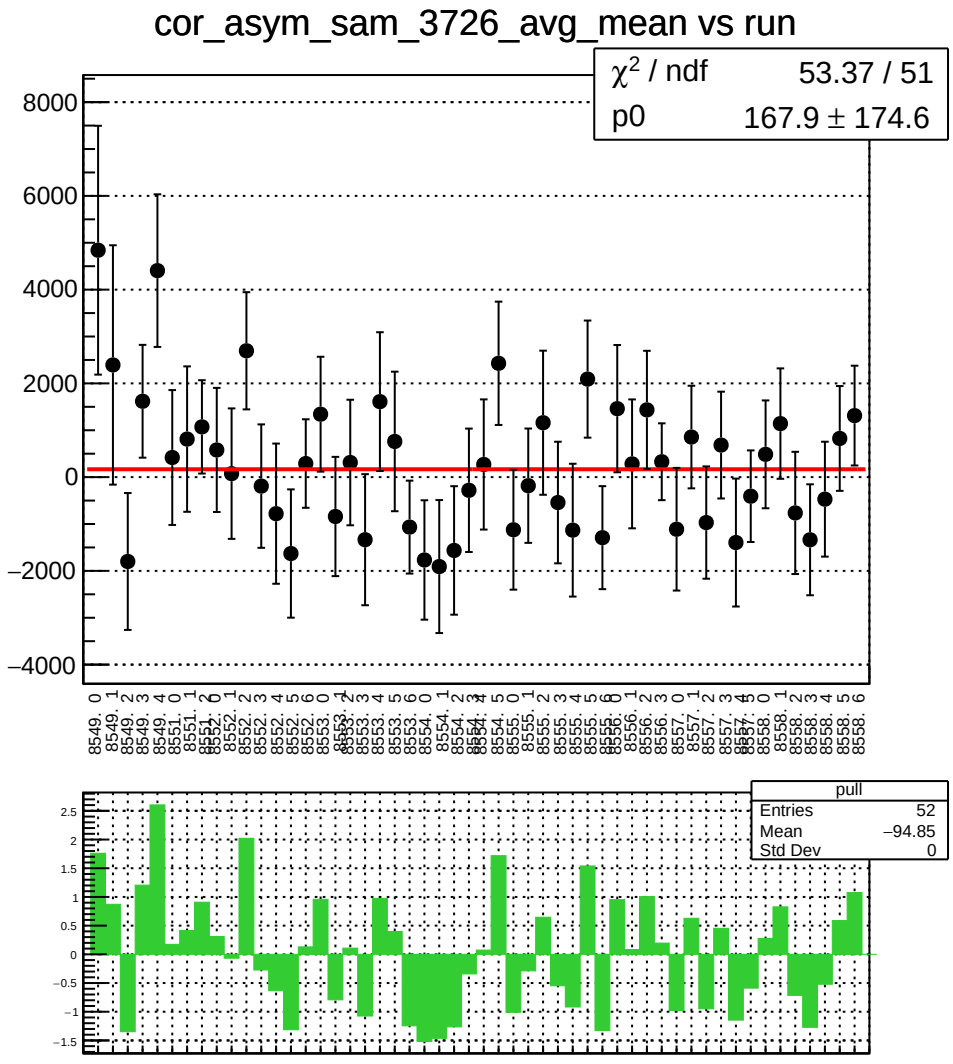

pull1D
Entries 52
Mean 0.02526
Std Dev 1.013

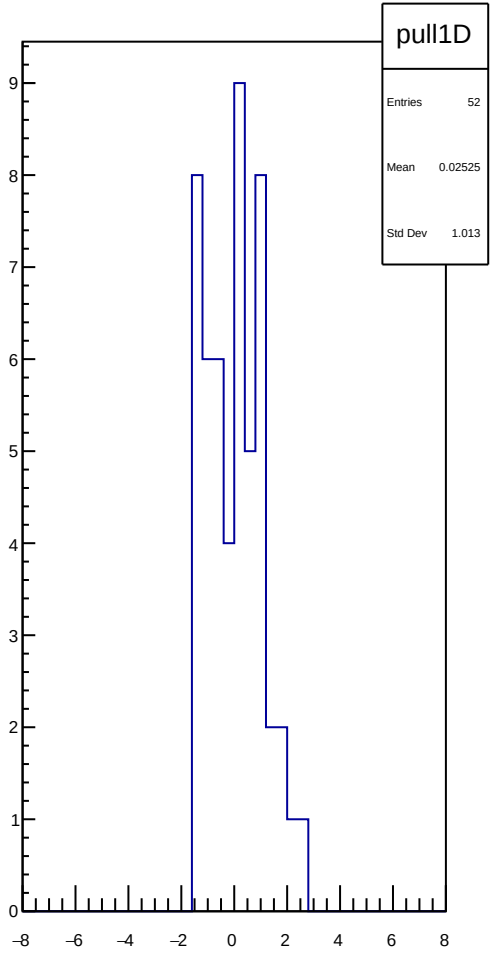

reg_asym_sam_3726_avg_rms vs run
χ² / ndf 2.157e+04 / 51
p0 123.8 ± 0.1235
260
240
220
200
180
160
140
120
100
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 5
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

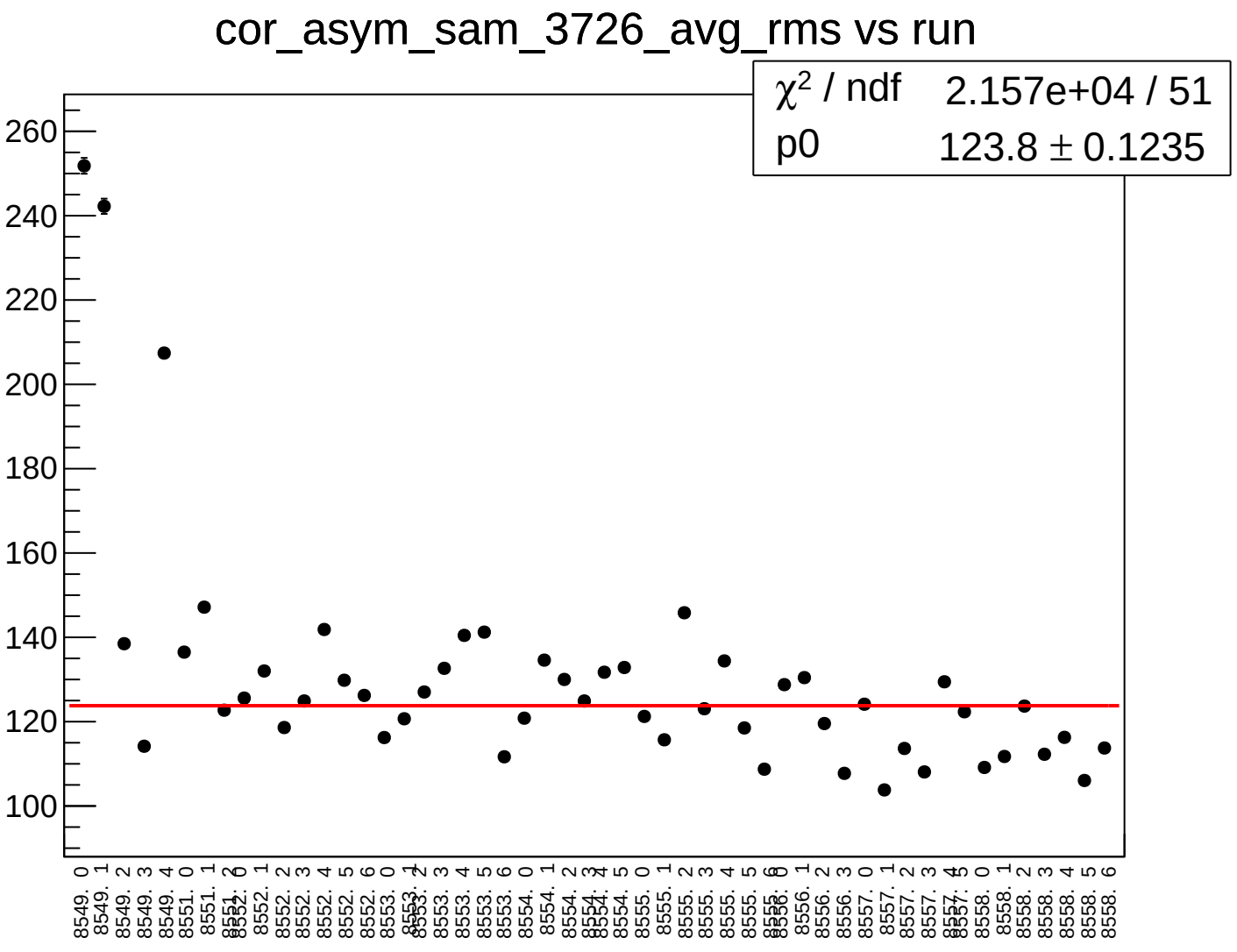

asym_sam_3726_avg_reg_correction_mean vs run
χ² / ndf 62.13 / 51
p0 −3485 ± 1797
40000
20000
0
−20000
−40000
−60000
pull
Entries 52
Mean −4.9
Std Dev 0
2
1
0
−1
−2


pull1D
Entries 52
Mean −0.02654
Std Dev 1.093
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 3219 / 51
p0 1285 ± 1.27
1450
1400
1350
1300
1250
1200
1150
1100
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6


cor_asym_sam_3726_avg_mean vs run
χ² / ndf 53.37 / 51
p0 167.9 ± 174.6
pull
Entries 52
Mean −94.85
Std Dev 0


pull1D
Entries 52
Mean 0.02525
Std Dev 1.013


cor_asym_sam_3726_avg_rms vs run
χ² / ndf 2.157e+04 / 51
p0 123.8 ± 0.1235
260
240
220
200
180
160
140
120
100
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 5
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
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8557. 3
8558. 0
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8558. 3
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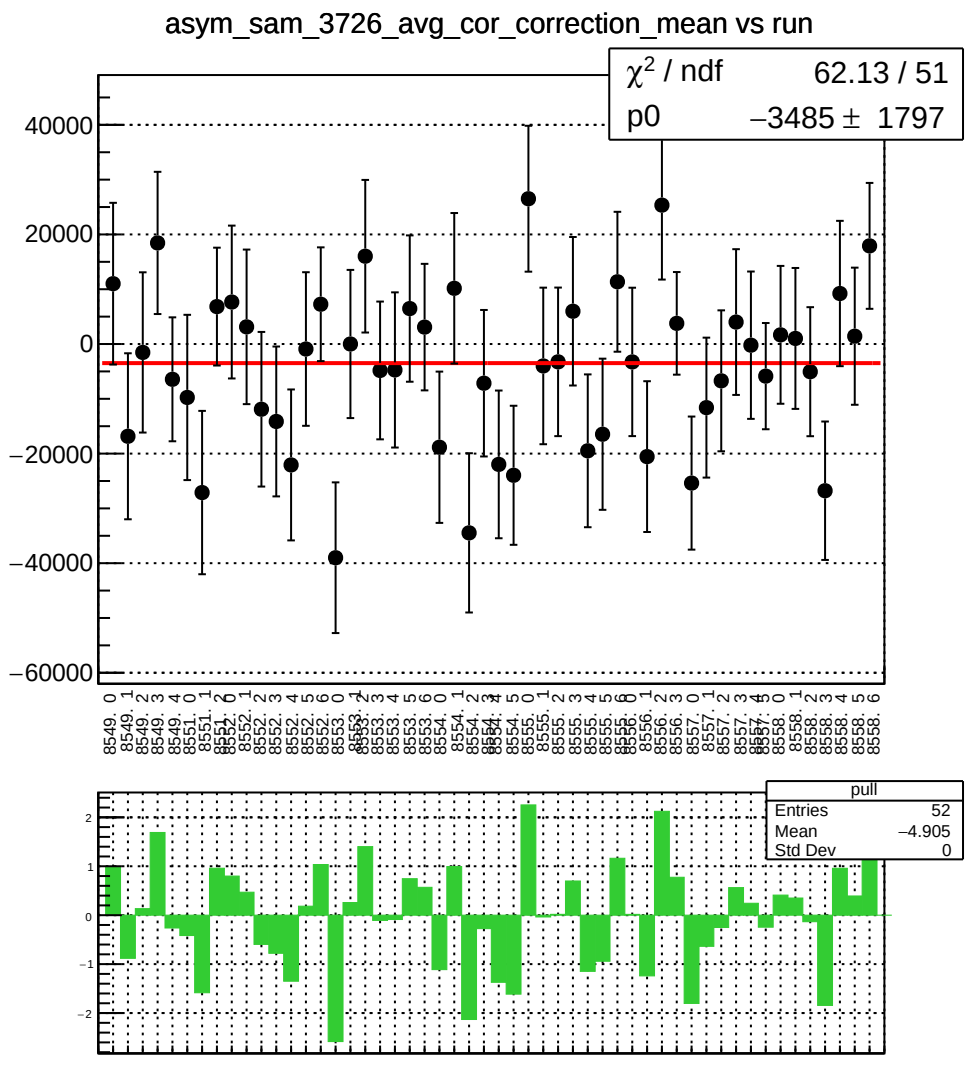
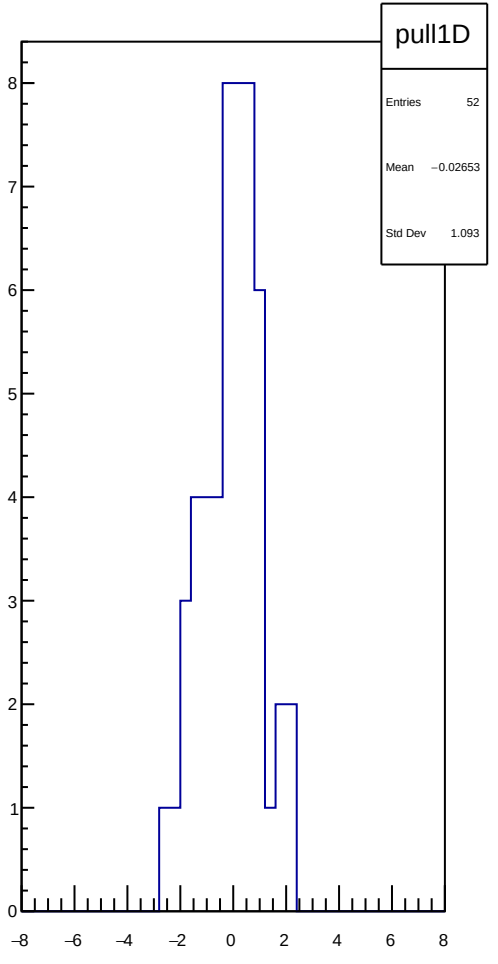
8558. 5
8558. 6


asym_sam_3726_avg_cor_correction_mean vs run
χ² / ndf 62.13 / 51
p0 −3485 ± 1797
40000
20000
0
−20000
−40000
−60000
pull
Entries 52
Mean −4.905
Std Dev 0
2
1
0
−1
−2


pull1D
Entries 52
Mean −0.02653
Std Dev 1.093
8
7
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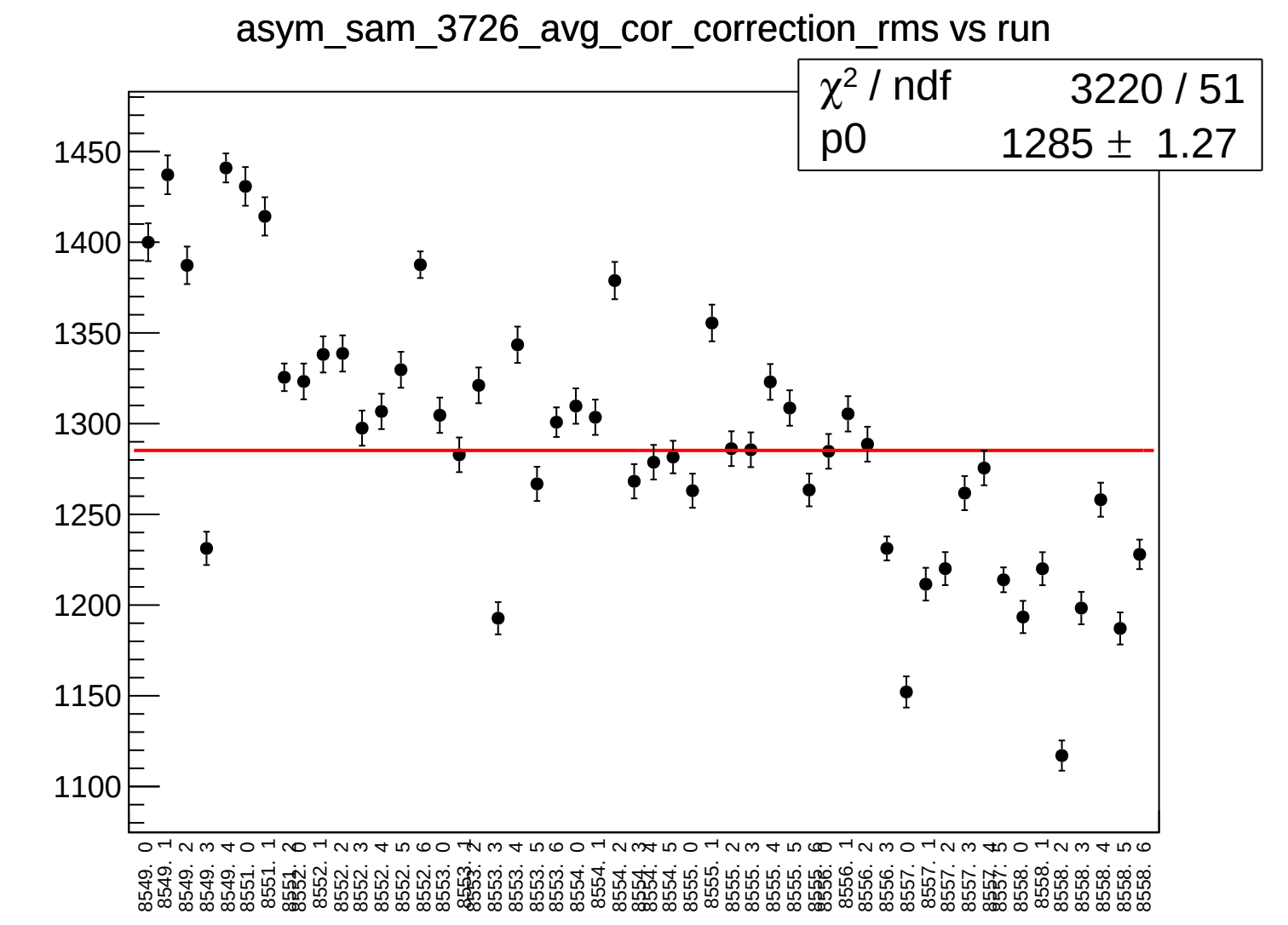
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


asym_sam_3726_avg_cor_correction_rms vs run
χ² / ndf 3220 / 51
p0 1285 ± 1.27
1450
1400
1350
1300
1250
1200
1150
1100
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
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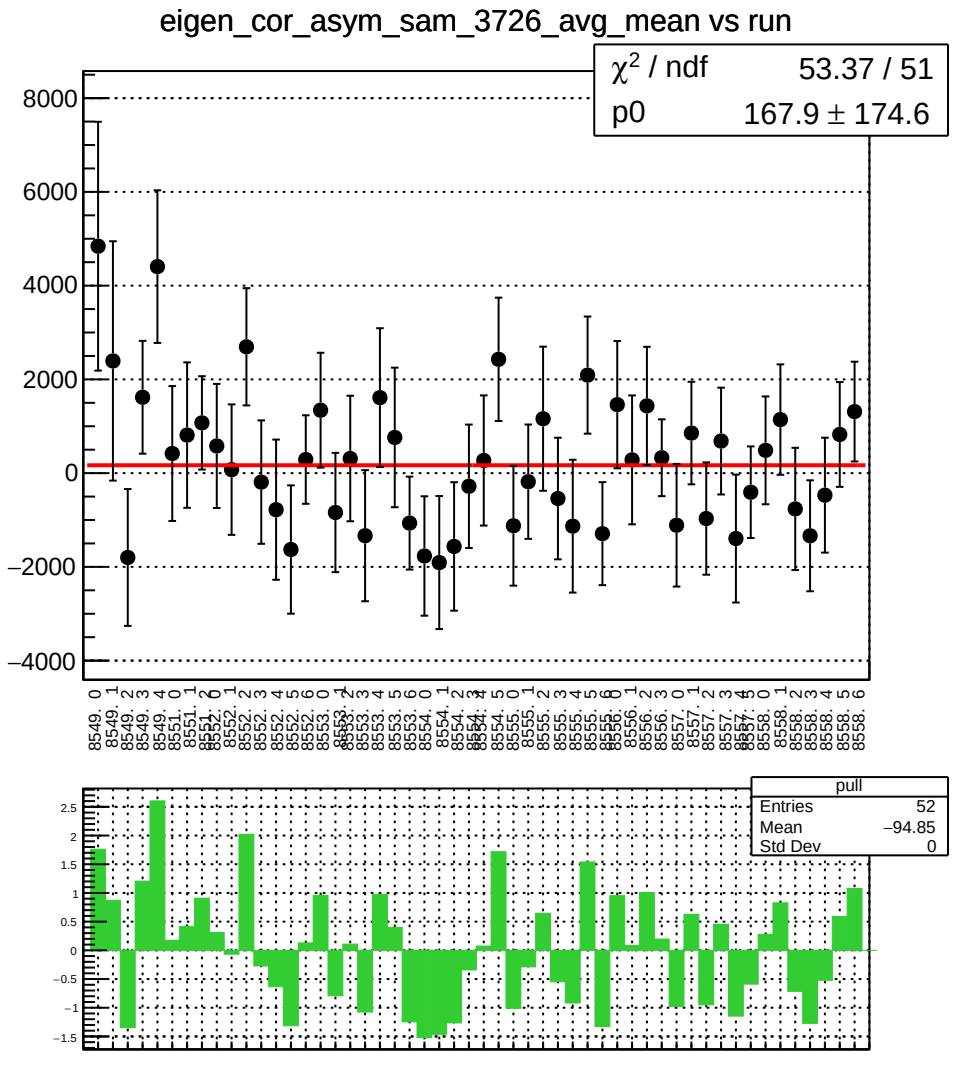
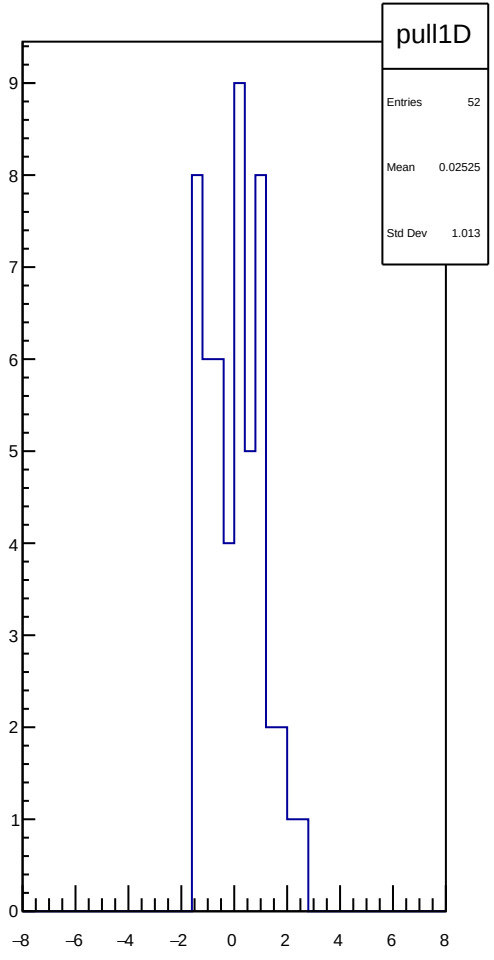
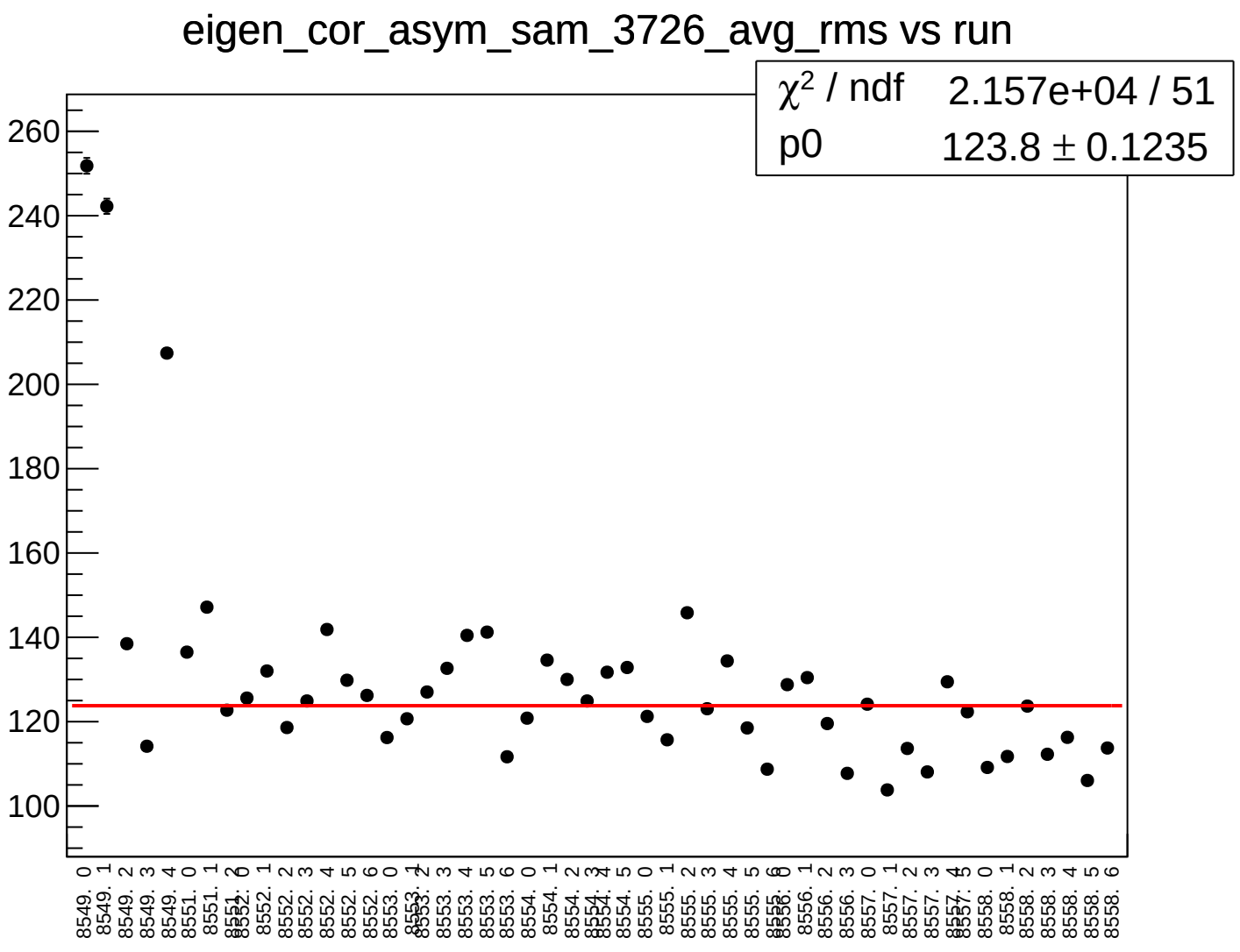
8558. 5
8558. 6


eigen_cor_asym_sam_3726_avg_mean vs run
χ² / ndf 53.37 / 51
p0 167.9 ± 174.6
pull
Entries 52
Mean −94.85
Std Dev 0


pull1D
Entries 52
Mean 0.02525
Std Dev 1.013


eigen_cor_asym_sam_3726_avg_rms vs run
χ² / ndf 2.157e+04 / 51
p0 123.8 ± 0.1235
260
240
220
200
180
160
140
120
100
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
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8551. 1
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8552. 2
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8552. 5
8552. 6
8553. 0
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8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 5
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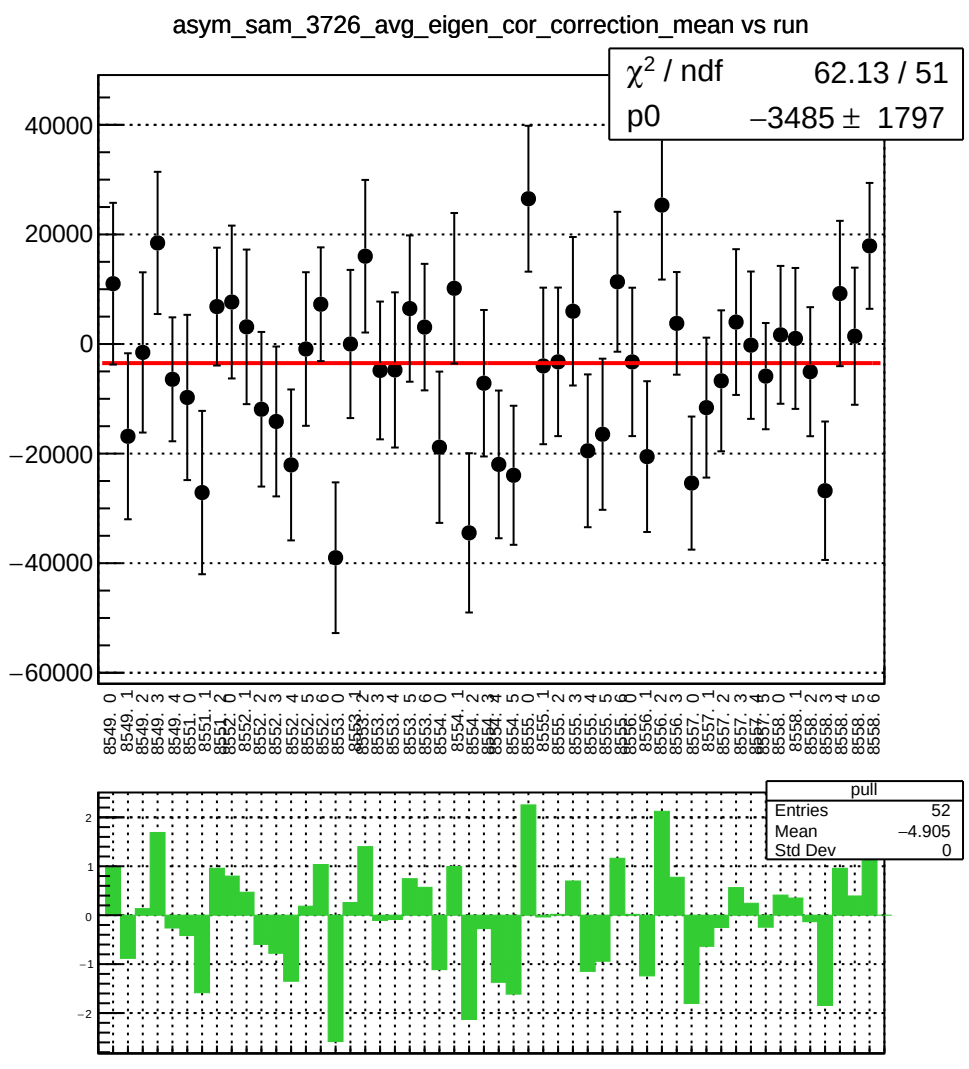
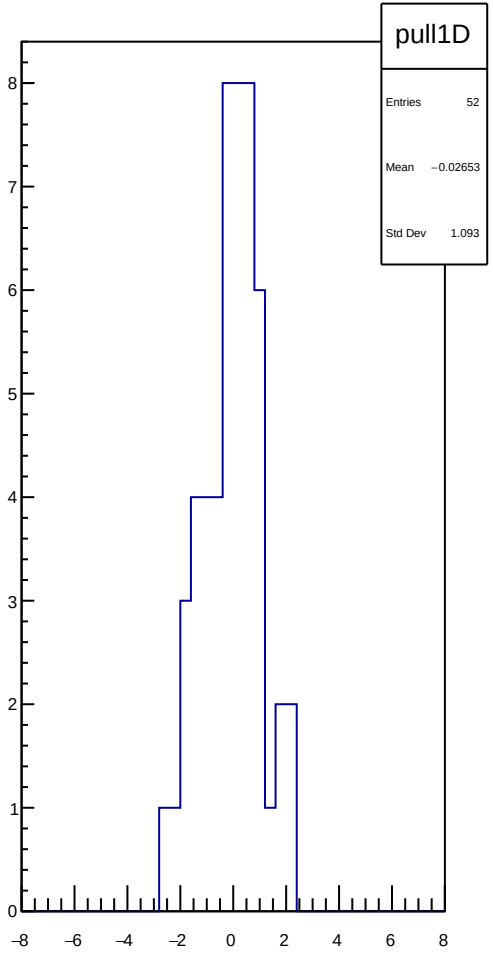
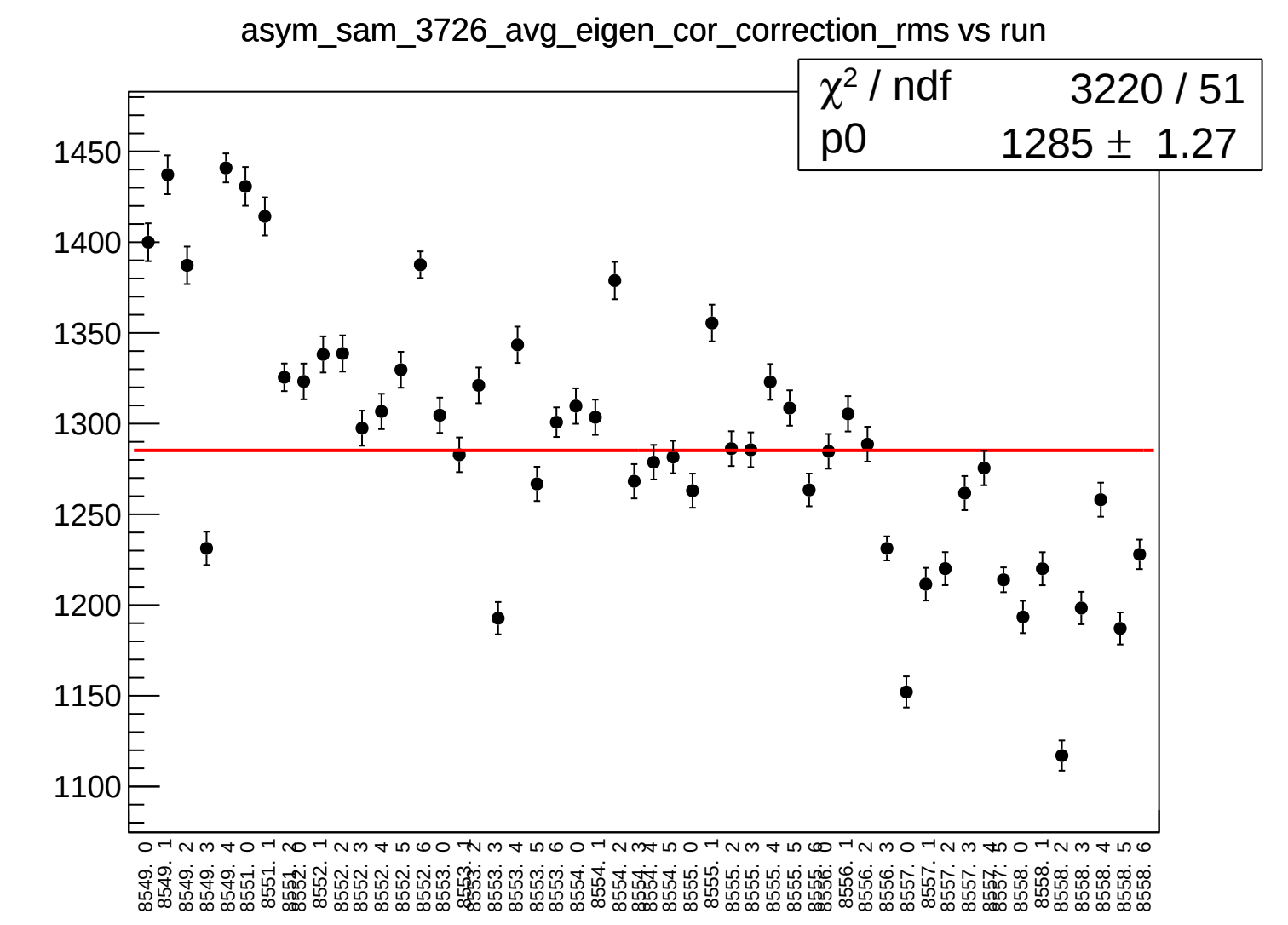
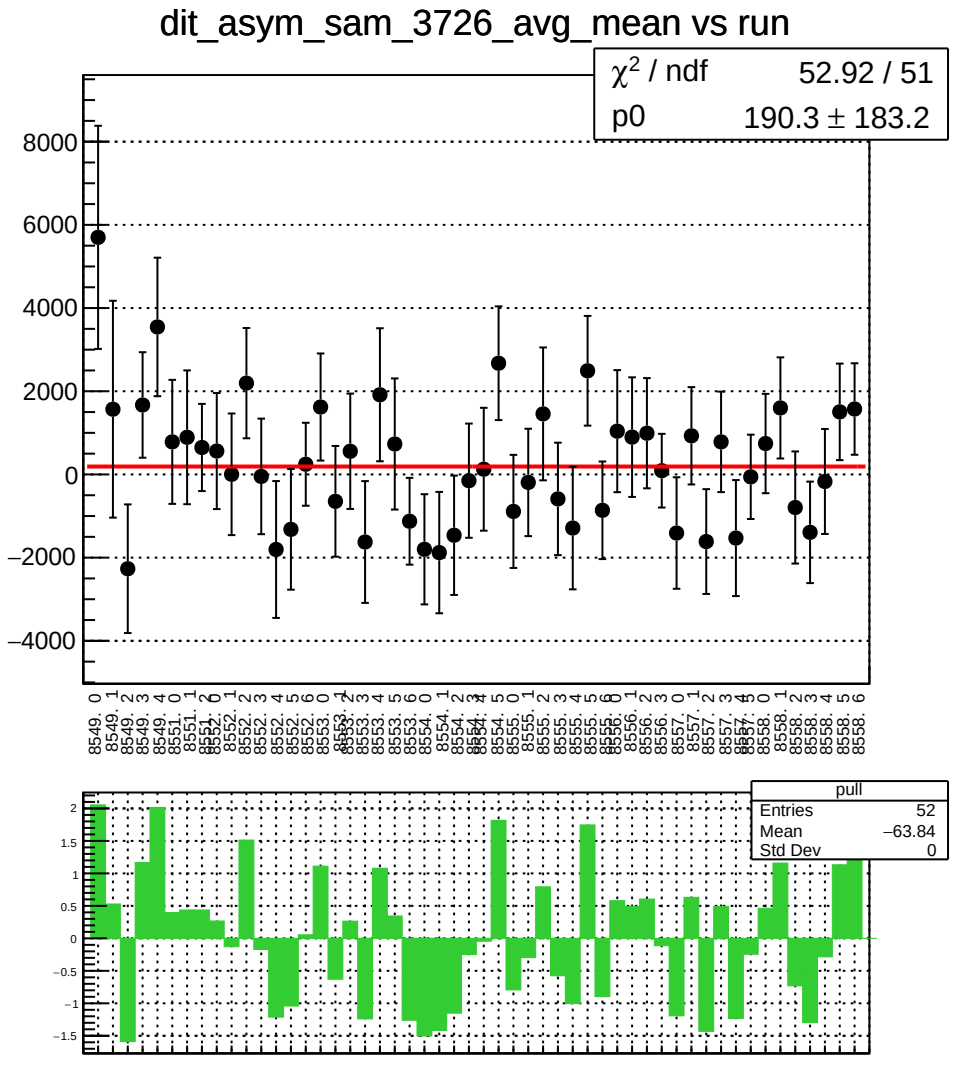
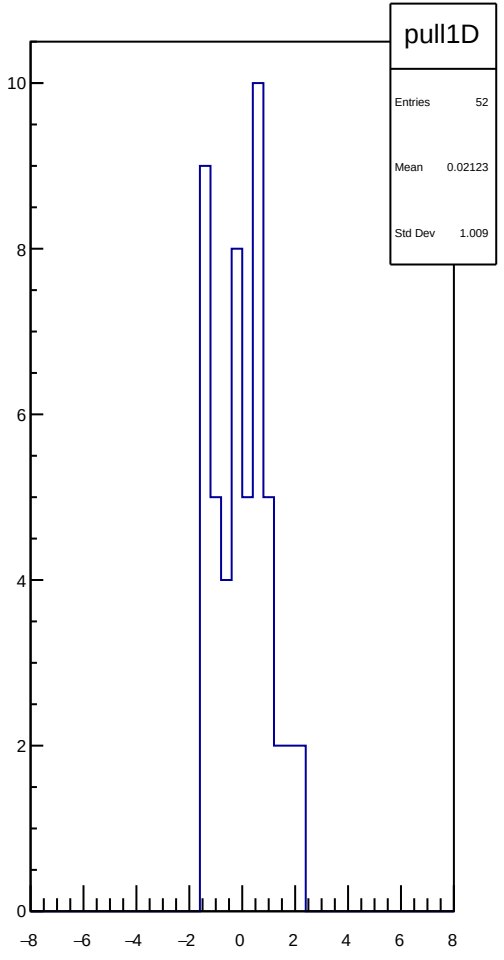
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

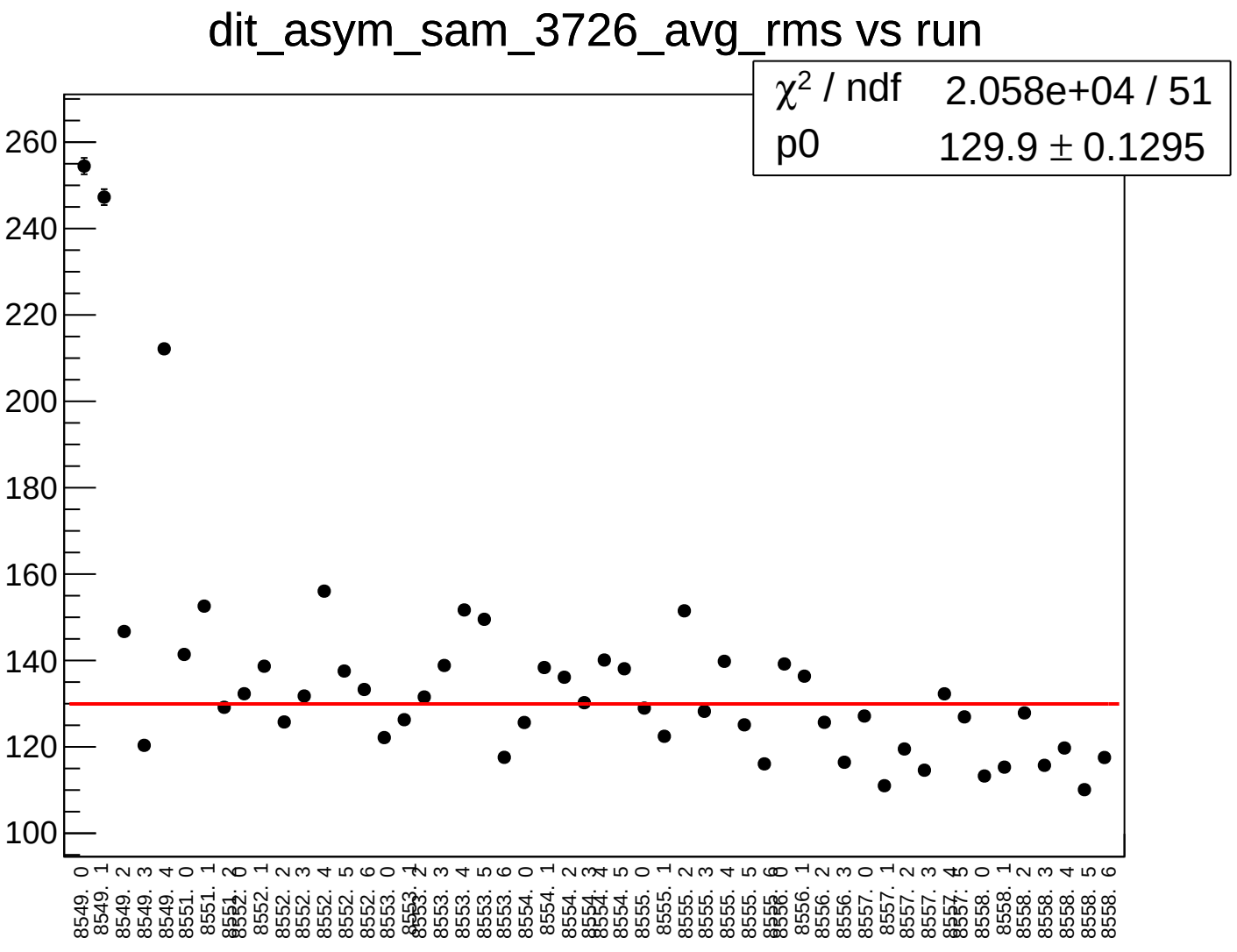

asym_sam_3726_avg_eigen_cor_correction_mean vs run
χ² / ndf 62.13 / 51
p0 −3485 ± 1797
40000
20000
0
−20000
−40000
−60000
pull
Entries 52
Mean −4.905
Std Dev 0
2
1
0
−1
−2


pull1D
Entries 52
Mean −0.02653
Std Dev 1.093
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


asym_sam_3726_avg_eigen_cor_correction_rms vs run
χ² / ndf 3220 / 51
p0 1285 ± 1.27
1450
1400
1350
1300
1250
1200
1150
1100
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6


dit_asym_sam_3726_avg_mean vs run
χ² / ndf 52.92 / 51
p0 190.3 ± 183.2
pull
Entries 52
Mean −63.84
Std Dev 0


pull1D
Entries 52
Mean 0.02123
Std Dev 1.009


dit_asym_sam_3726_avg_rms vs run
χ² / ndf 2.058e+04 / 51
p0 129.9 ± 0.1295
260
240
220
200
180
160
140
120
100
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 5
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
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8557. 3
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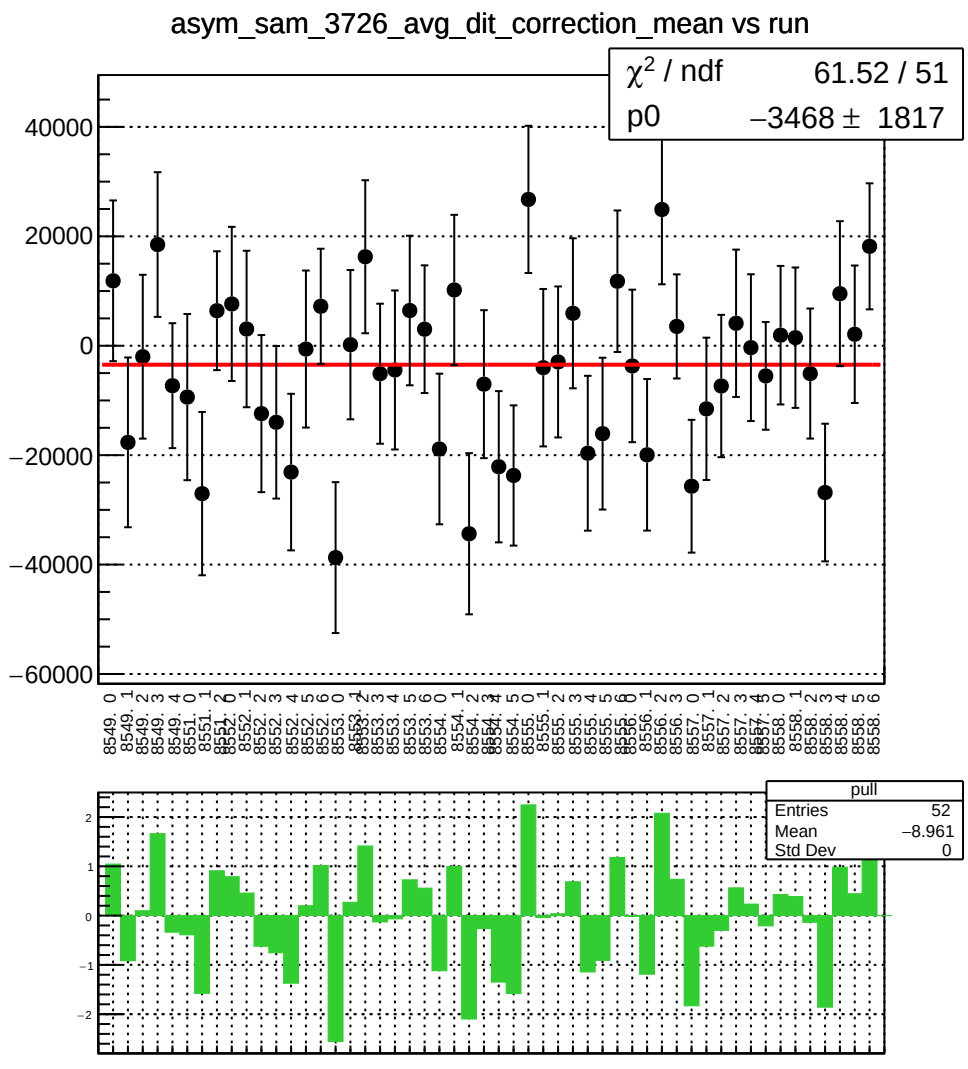
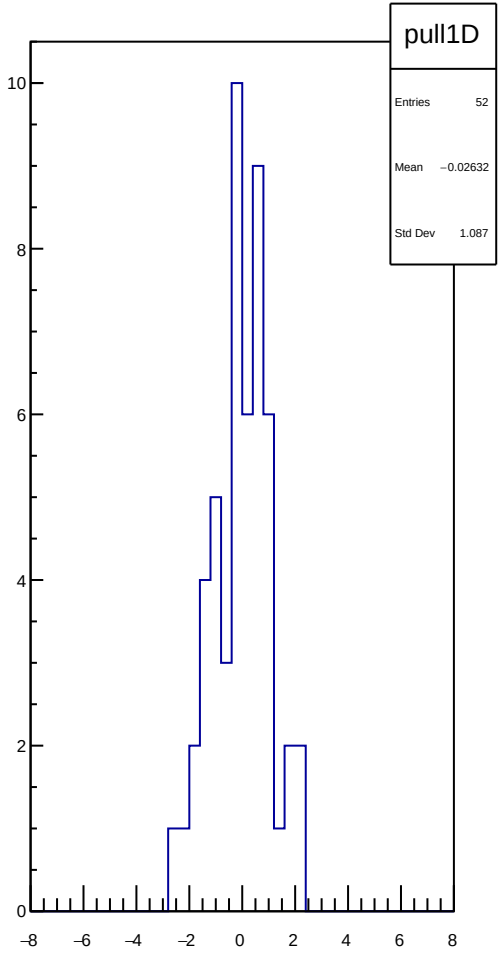
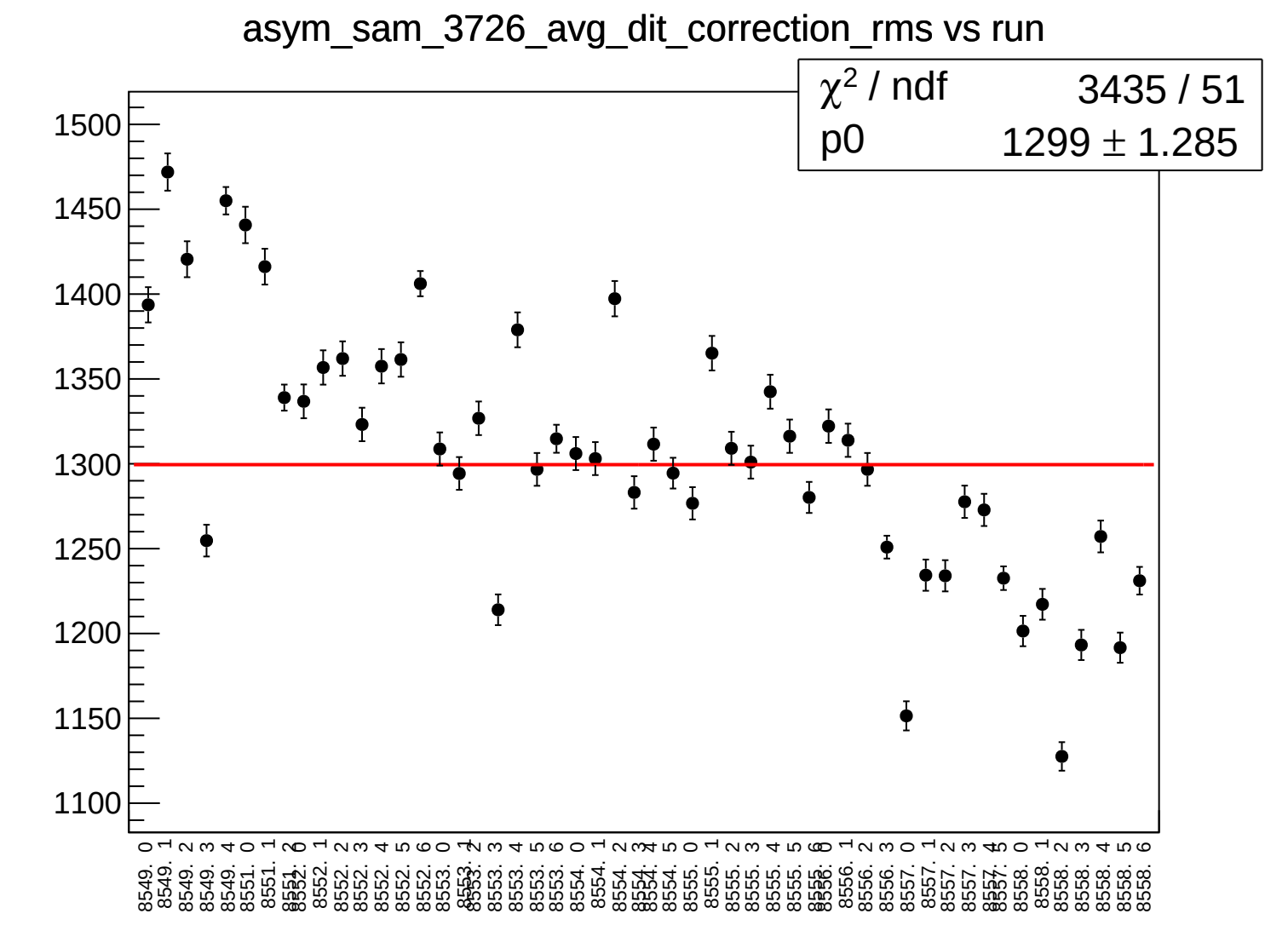
8558. 5
8558. 6


asym_sam_3726_avg_dit_correction_mean vs run
χ² / ndf 61.52 / 51
p0 −3468 ± 1817
40000
20000
0
−20000
−40000
−60000
pull
Entries 52
Mean −8.961
Std Dev 0
2
1
0
−1
−2


pull1D
Entries 52
Mean −0.02632
Std Dev 1.087
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


asym_sam_3726_avg_dit_correction_rms vs run
χ² / ndf 3435 / 51
p0 1299 ± 1.285
1500
1450
1400
1350
1300
1250
1200
1150
1100
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
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8554. 0
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8554. 2
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8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
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8557. 3
8558. 0
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8558. 3
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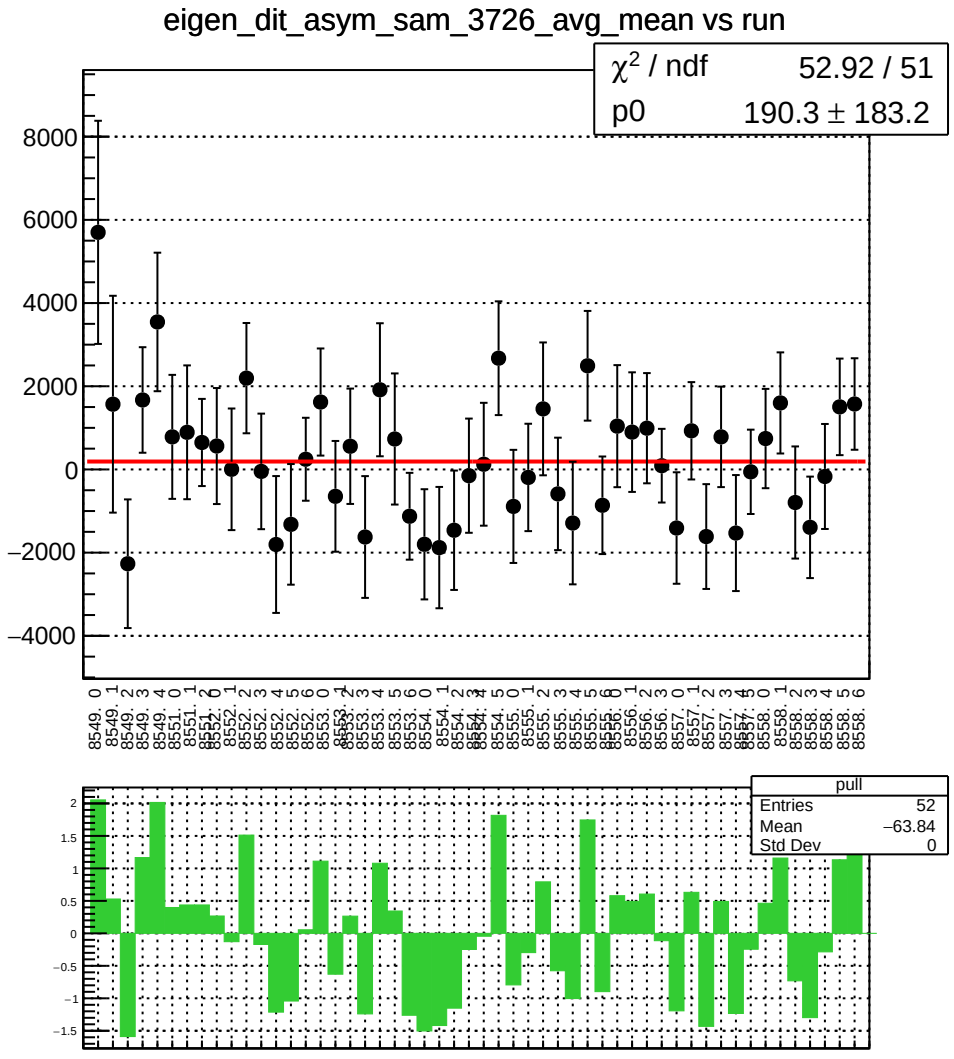
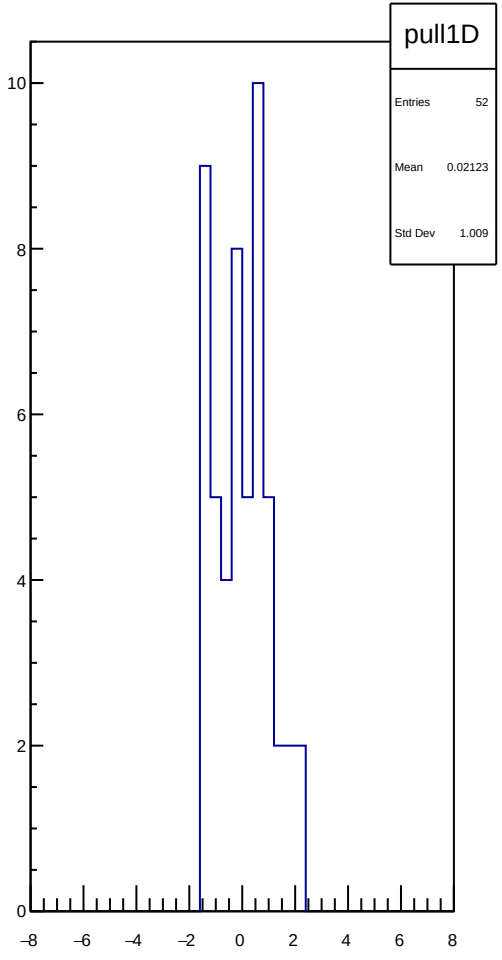
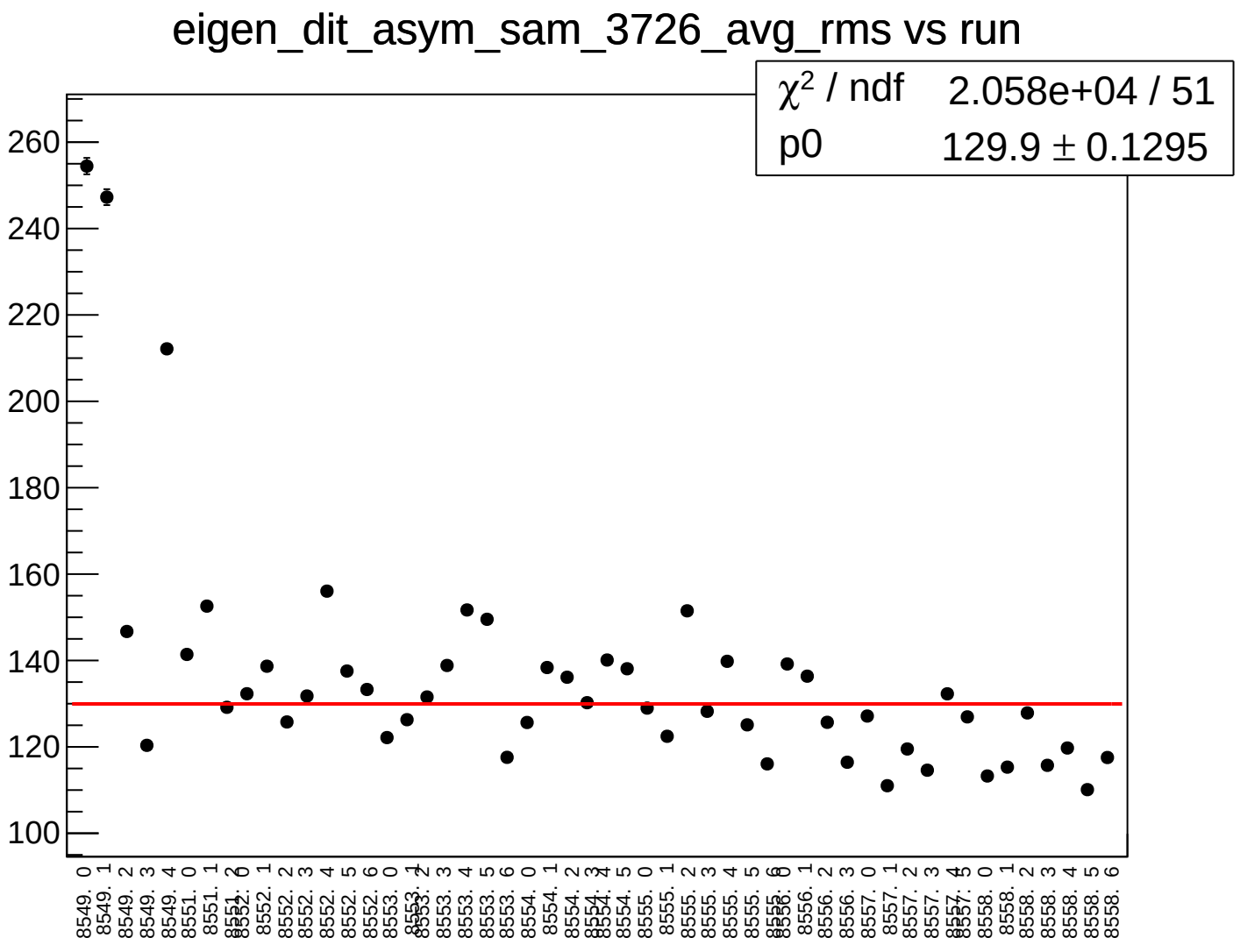
8558. 6


eigen_dit_asym_sam_3726_avg_mean vs run
χ² / ndf 52.92 / 51
p0 190.3 ± 183.2
pull
Entries 52
Mean −63.84
Std Dev 0


pull1D
Entries 52
Mean 0.02123
Std Dev 1.009


eigen_dit_asym_sam_3726_avg_rms vs run
χ² / ndf 2.058e+04 / 51
p0 129.9 ± 0.1295
260
240
220
200
180
160
140
120
100
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
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8554. 2
8554. 5
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8555. 2
8555. 3
8555. 4
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8556. 2
8556. 3
8557. 0
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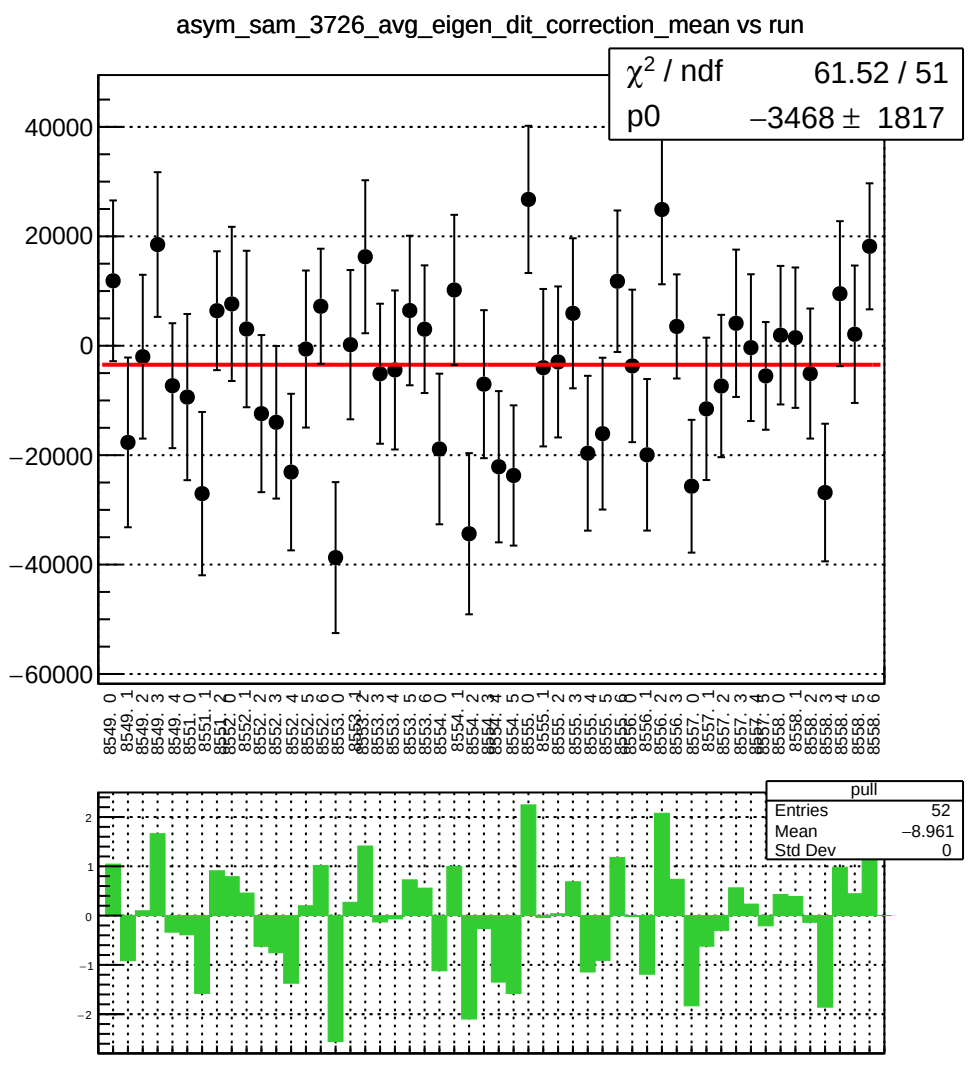
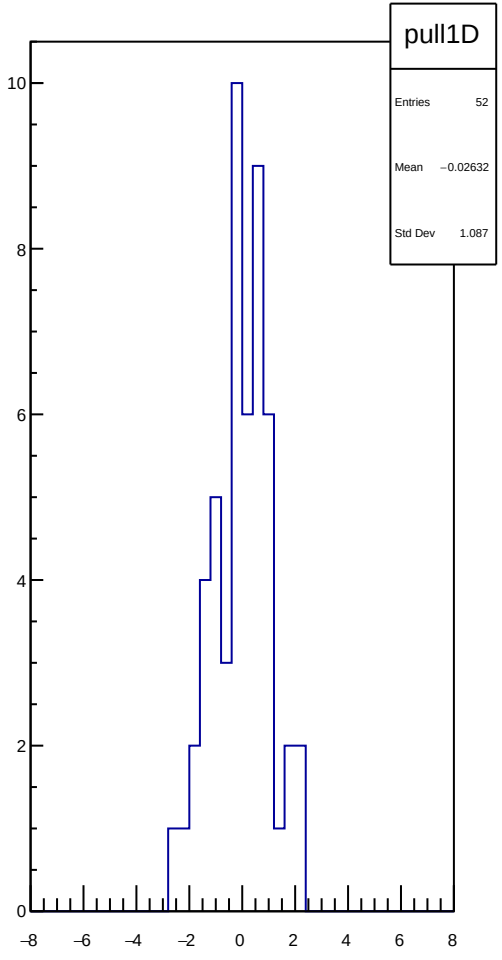
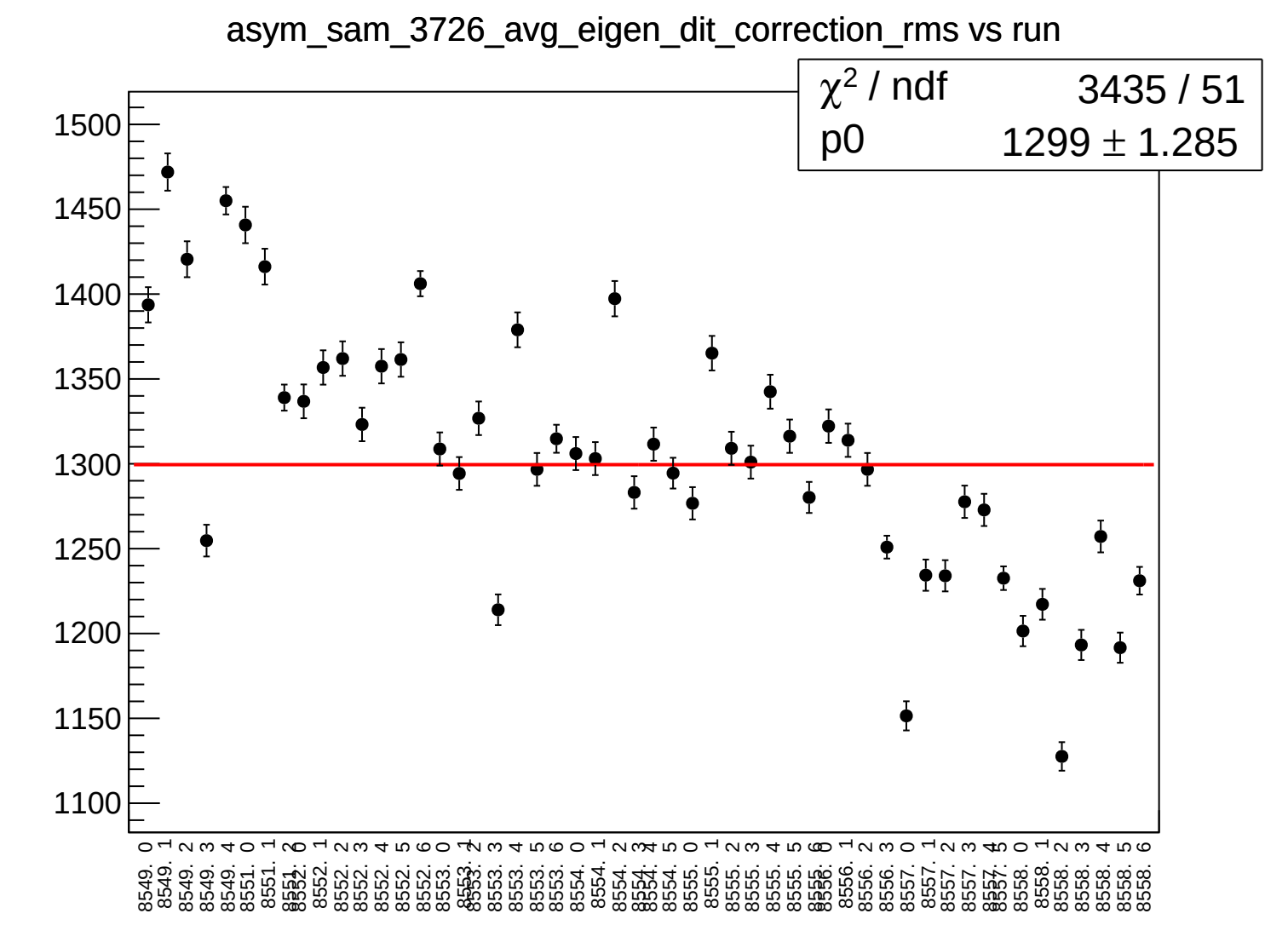
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6


asym_sam_3726_avg_eigen_dit_correction_mean vs run
χ² / ndf 61.52 / 51
p0 −3468 ± 1817
40000
20000
0
−20000
−40000
−60000
pull
Entries 52
Mean −8.961
Std Dev 0
2
1
0
−1
−2


pull1D
Entries 52
Mean −0.02632
Std Dev 1.087
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


asym_sam_3726_avg_eigen_dit_correction_rms vs run
χ² / ndf 3435 / 51
p0 1299 ± 1.285
1500
1450
1400
1350
1300
1250
1200
1150
1100
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
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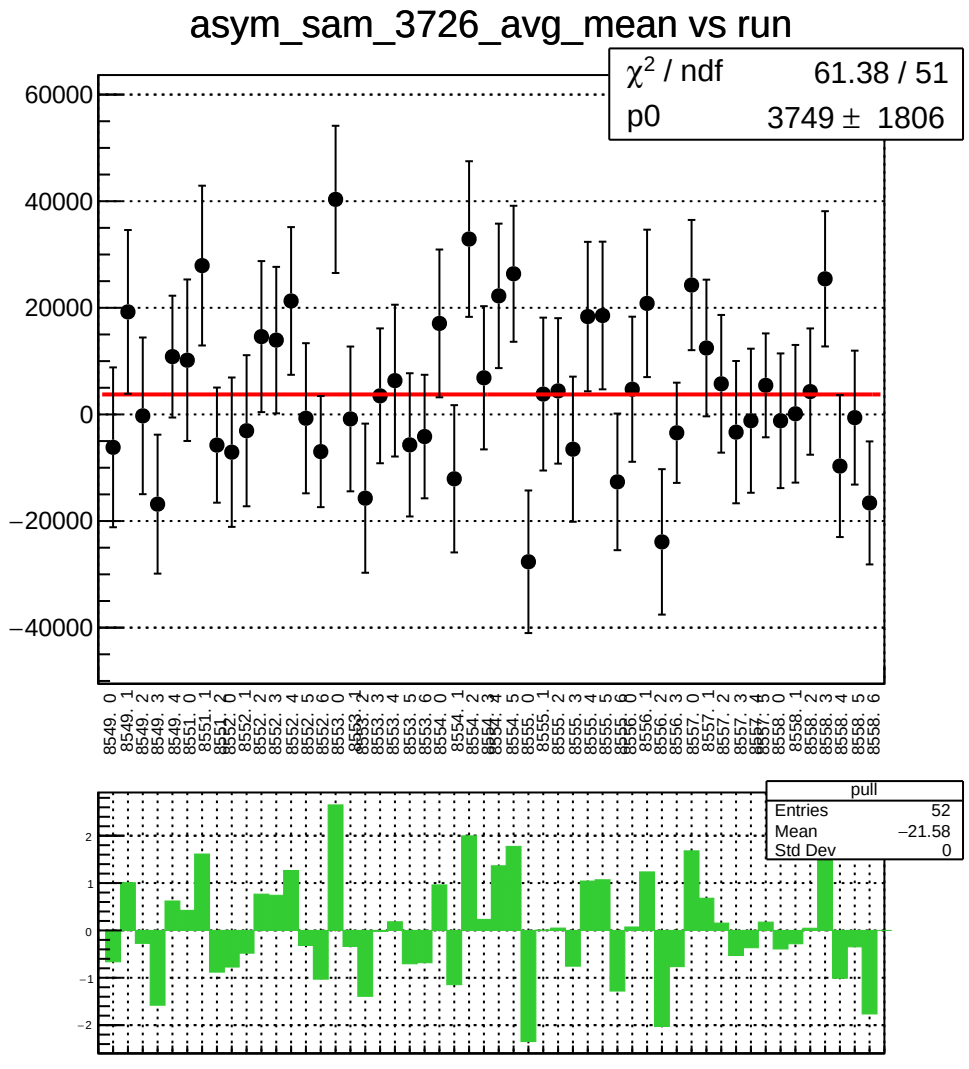
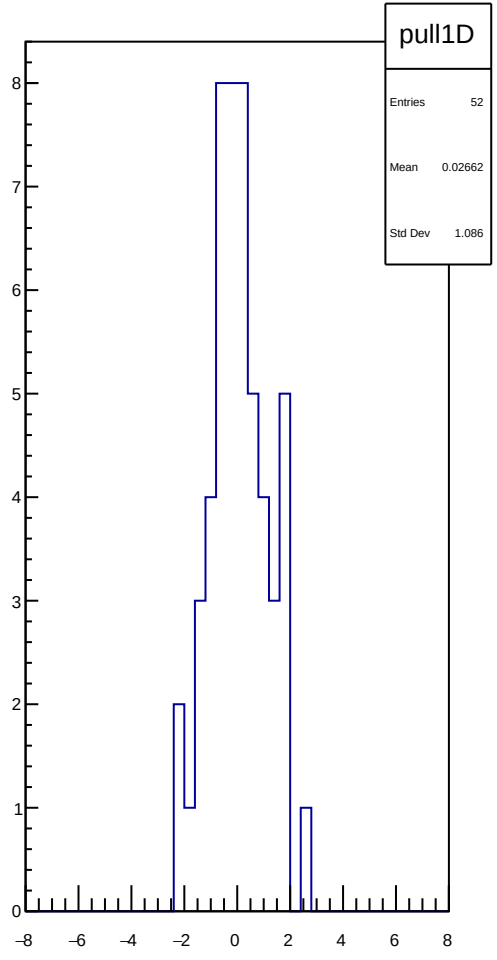
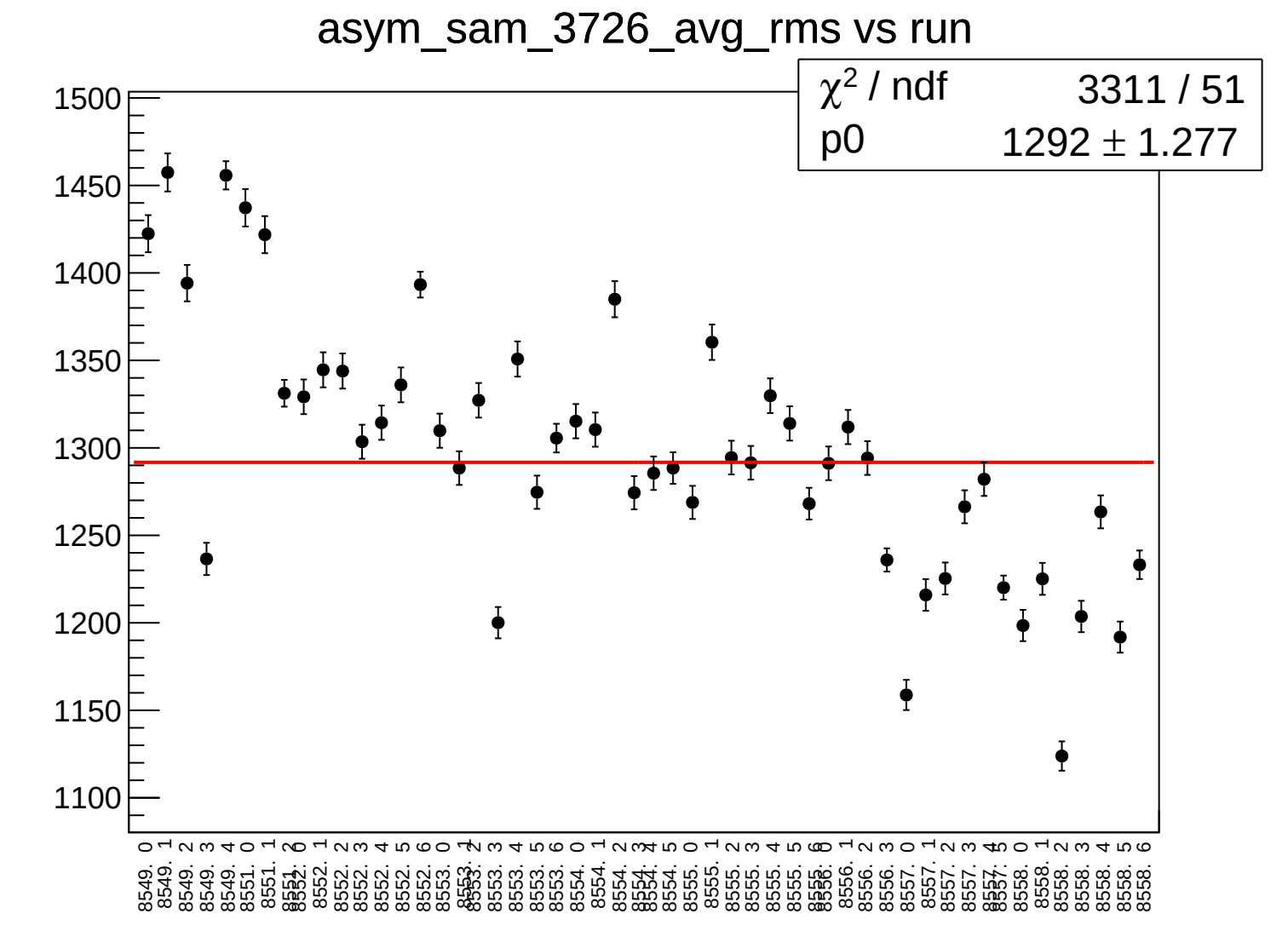
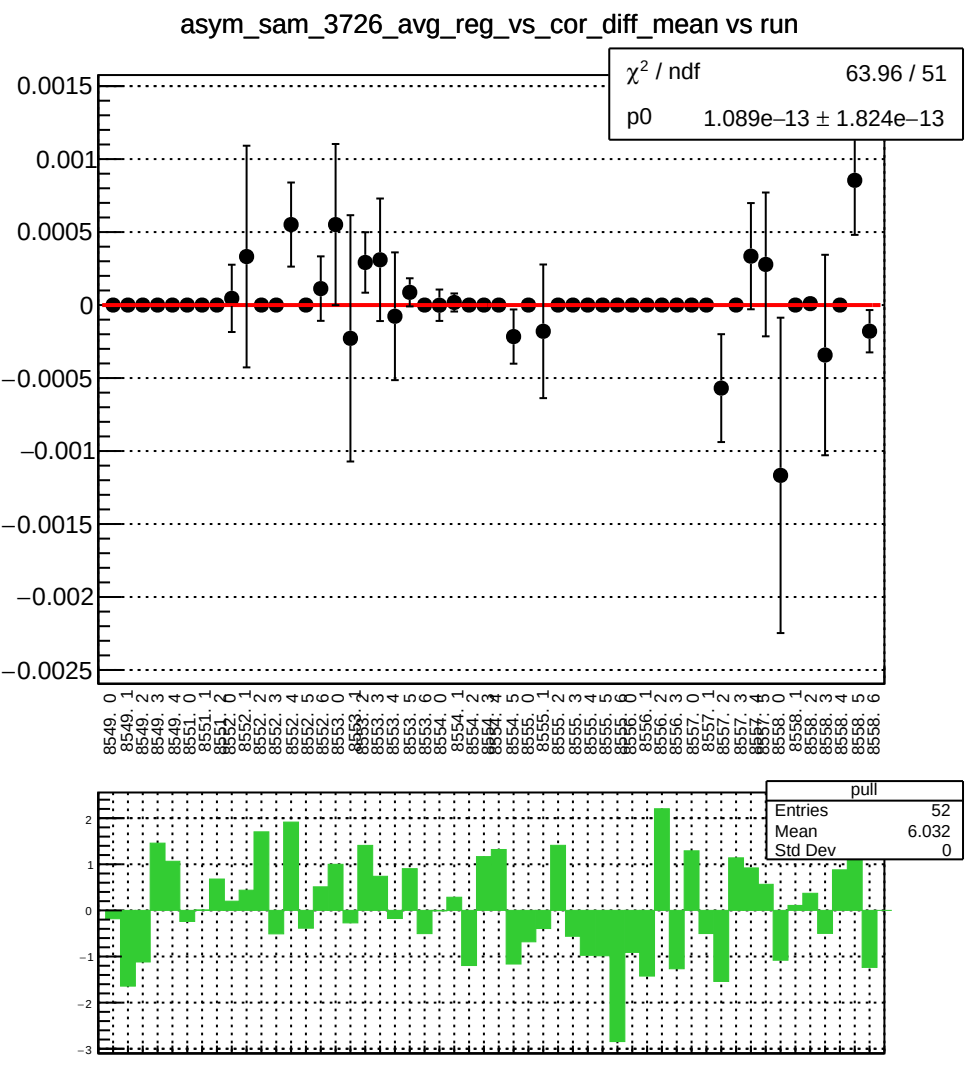
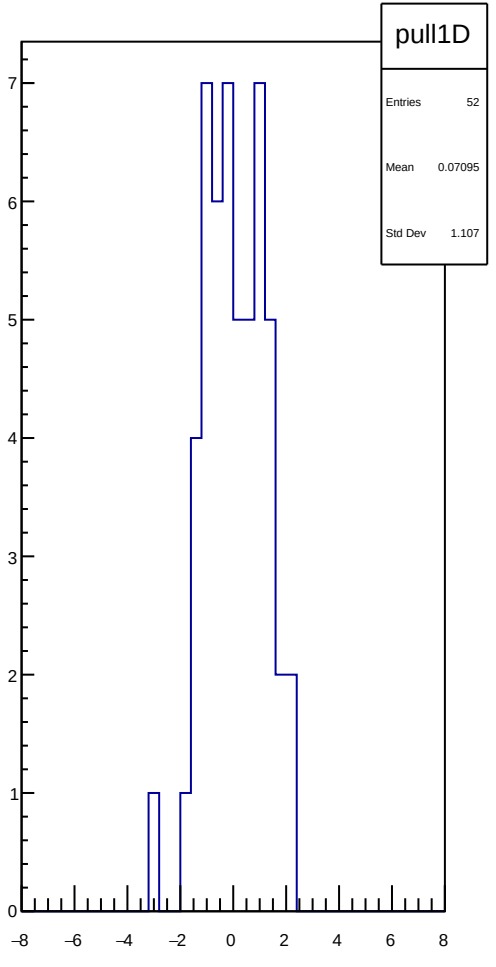
8554. 1
8554. 2
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

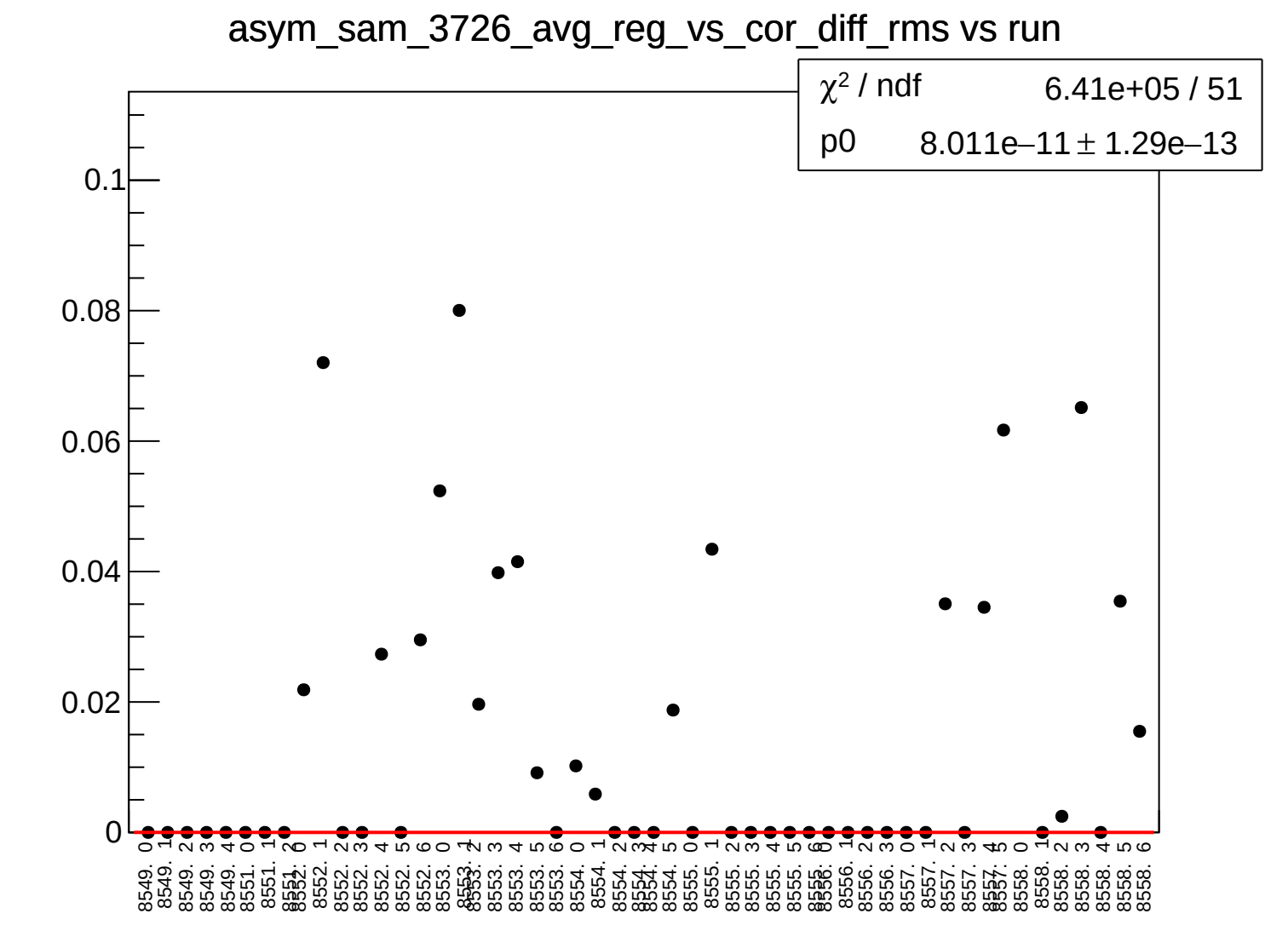

asym_sam_3726_avg_mean vs run
χ^2 / ndf 61.38 / 51
p0 3749 ± 1806
60000
40000
20000
0
−20000
−40000
pull
Entries 52
Mean −21.58
Std Dev 0
2
1
0
−1
−2

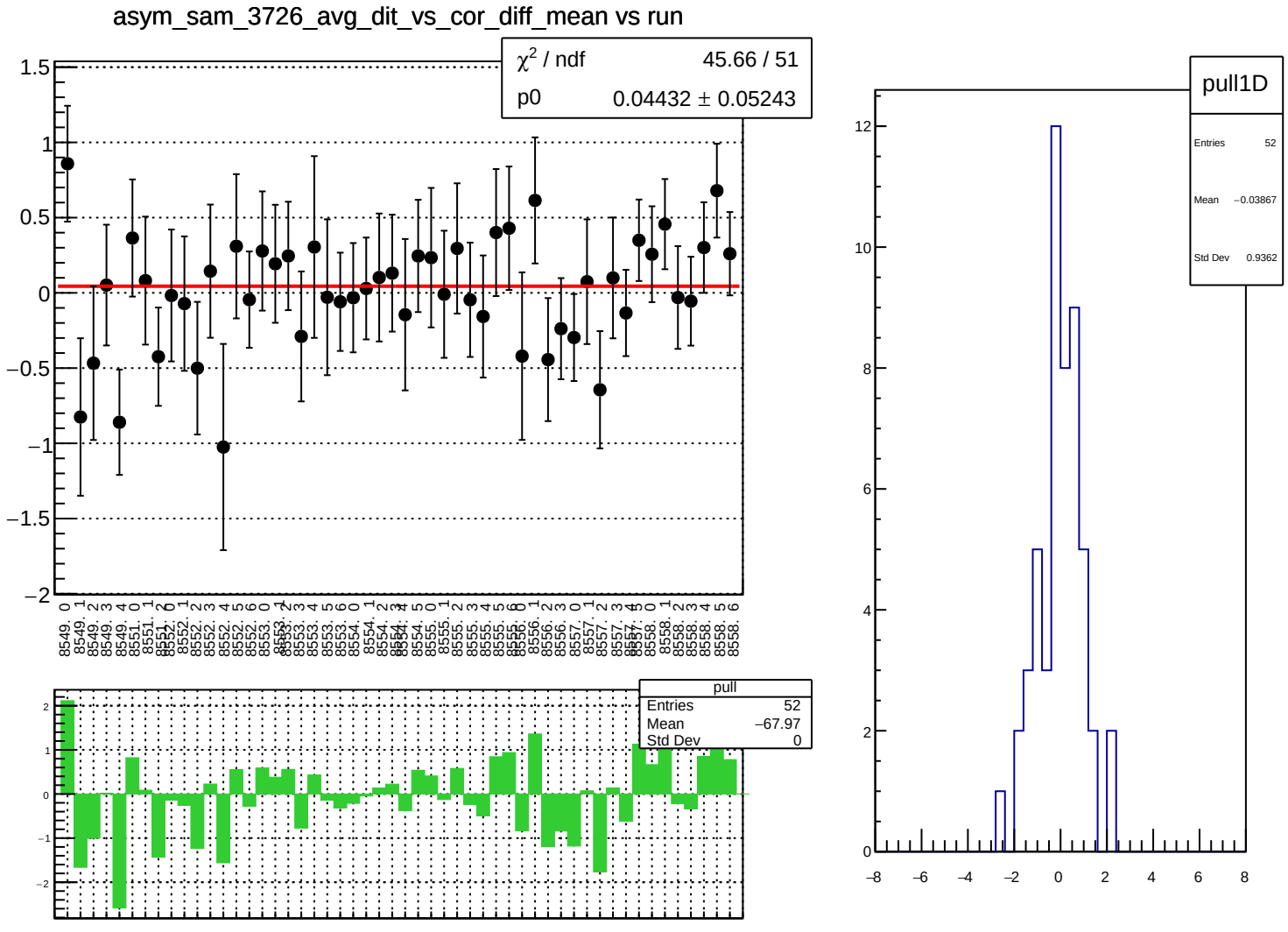

pull1D
Entries 52
Mean 0.02662
Std Dev 1.086
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

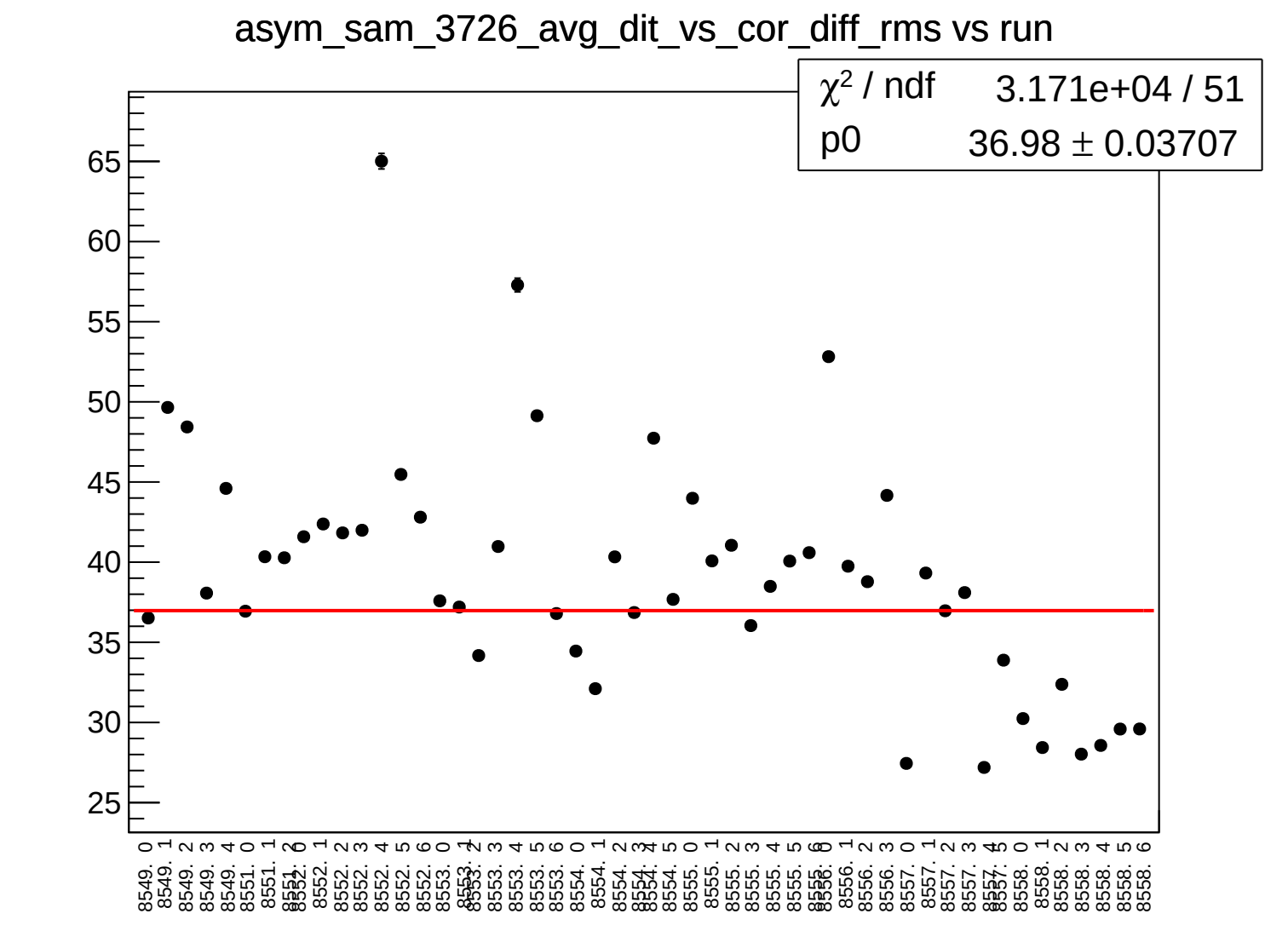

asym_sam_3726_avg_rms vs run
χ² / ndf 3311 / 51
p0 1292 ± 1.277
1500
1450
1400
1350
1300
1250
1200
1150
1100
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

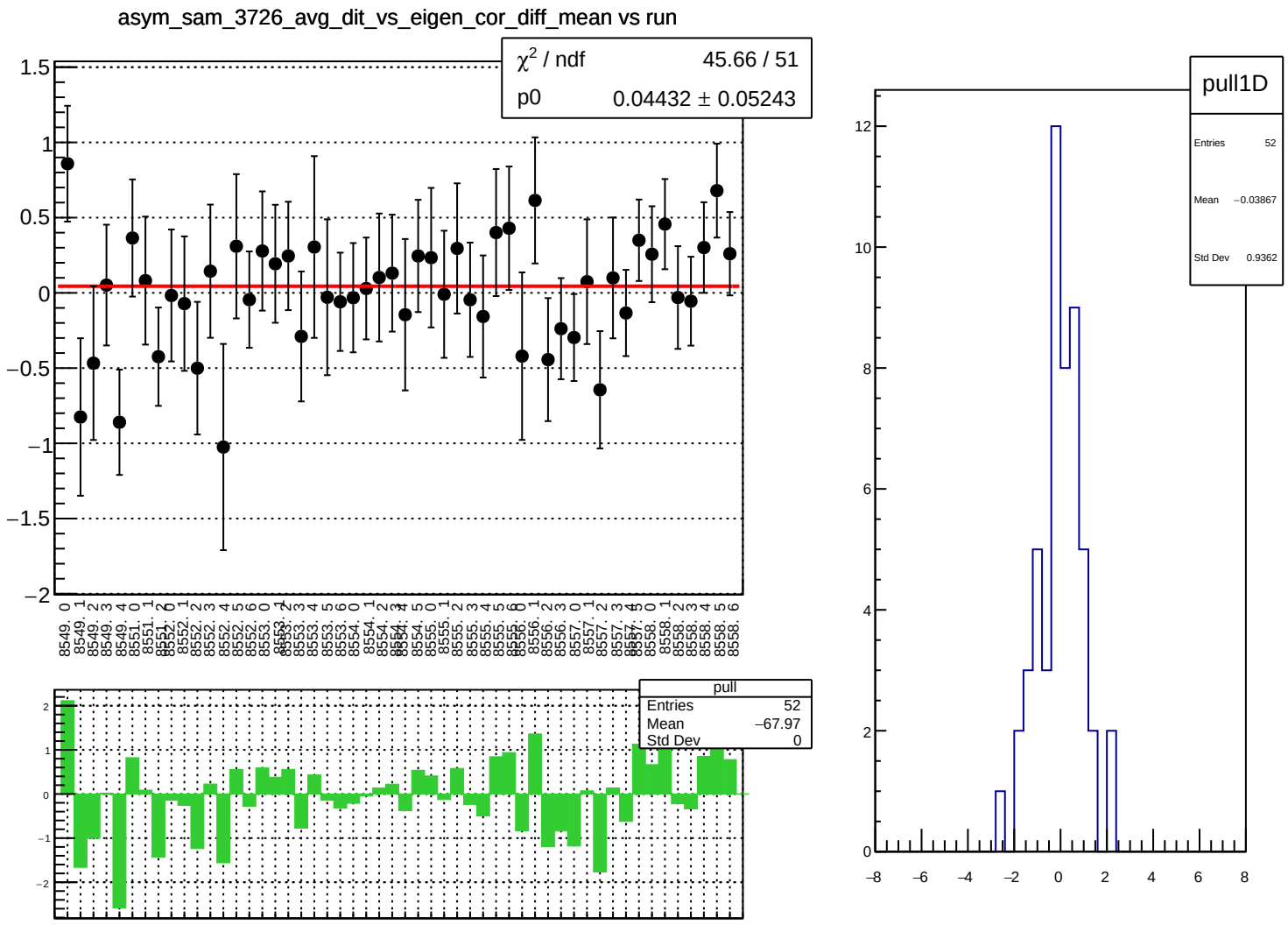

asym_sam_3726_avg_reg_vs_cor_diff_mean vs run
χ² / ndf 63.96 / 51
p0 1.089e−13 ± 1.824e−13
pull
Entries 52
Mean 6.032
Std Dev 0

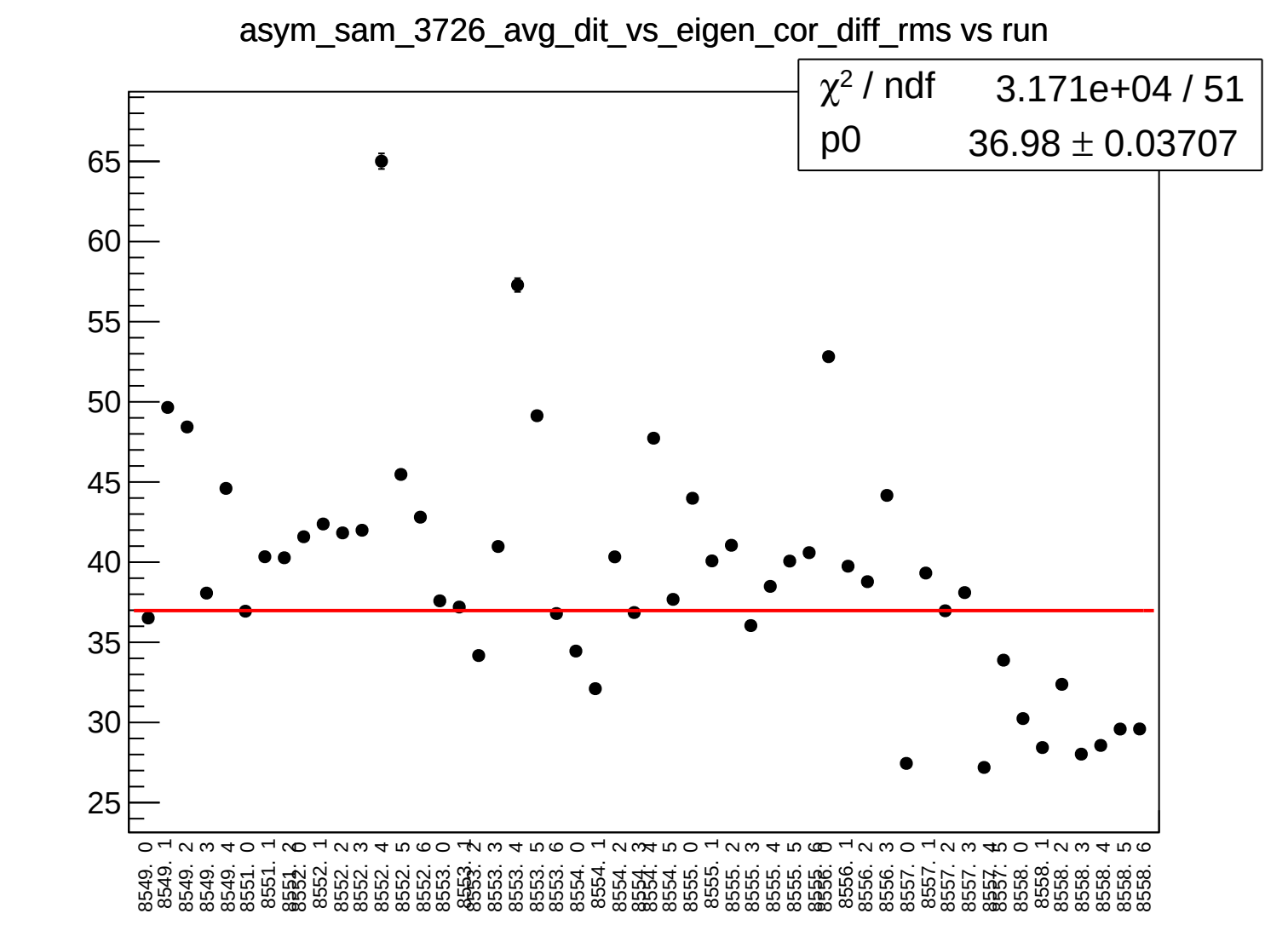

pull1D
Entries 52
Mean 0.07095
Std Dev 1.107

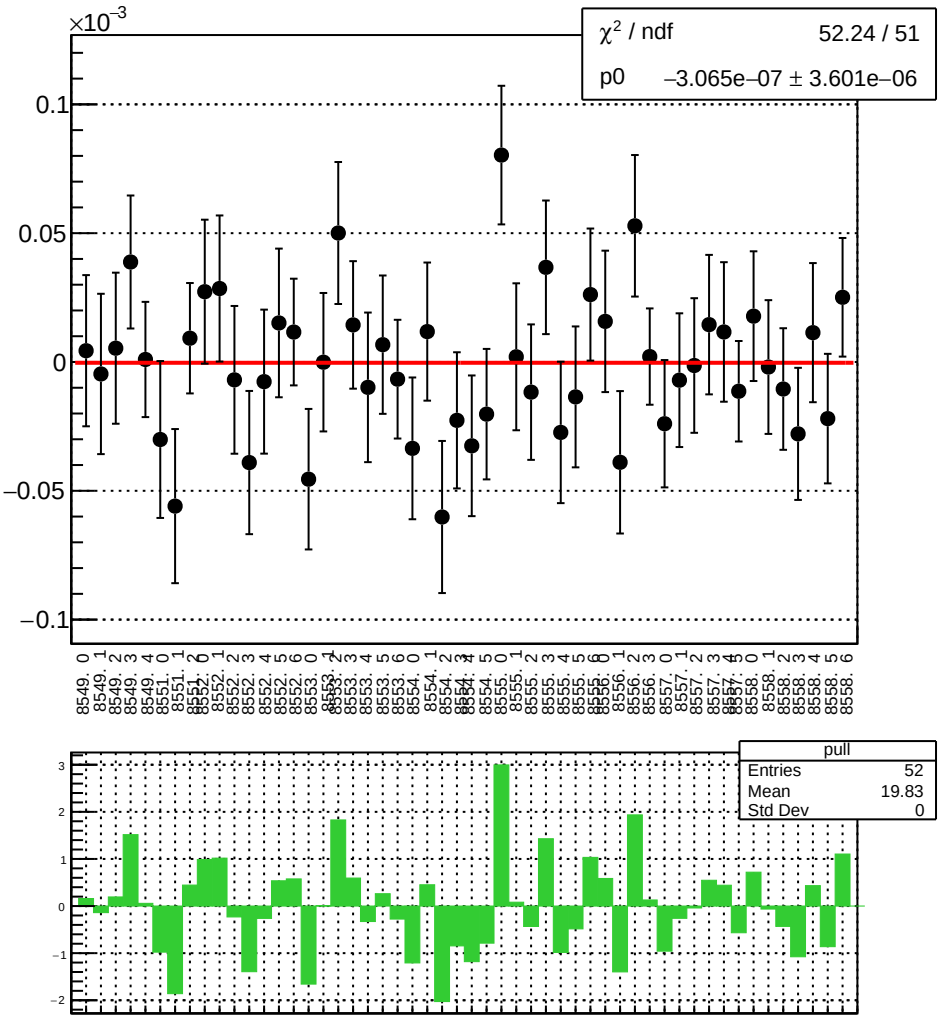

asym_sam_3726_avg_reg_vs_cor_diff_rms vs run
χ² / ndf 6.41e+05 / 51
p0 8.011e−11 ± 1.29e−13
0.1
0.08
0.06
0.04
0.02
0
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8549. 5
8551. 0
8551. 1
8551. 2
8552. 0
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 1
8553. 2
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 3
8554. 4
8554. 5
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8555. 6
8556. 0
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8557. 4
8557. 5
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

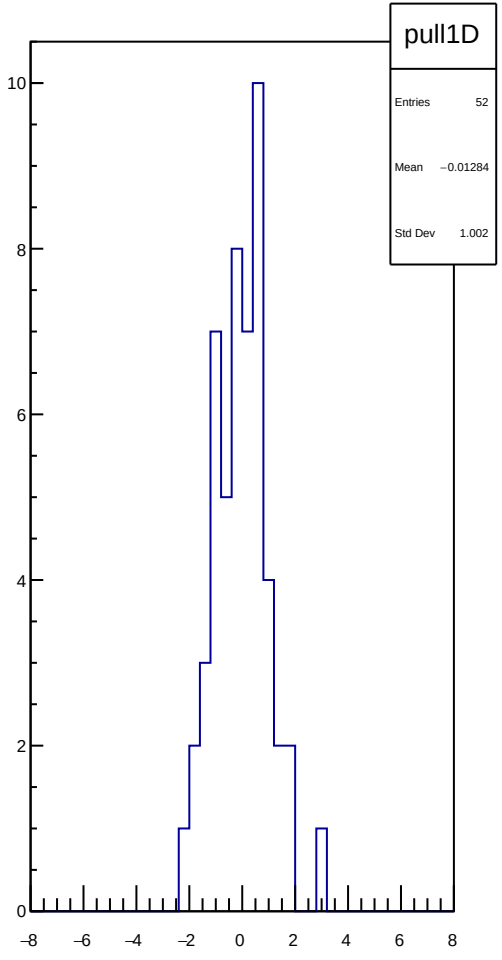

asym_sam_3726_avg_dit_vs_cor_diff_mean vs run
χ² / ndf 45.66 / 51
p0 0.04432 ± 0.05243
pull
Entries 52
Mean −67.97
Std Dev 0
pull1D
Entries 52
Mean −0.03867
Std Dev 0.9362

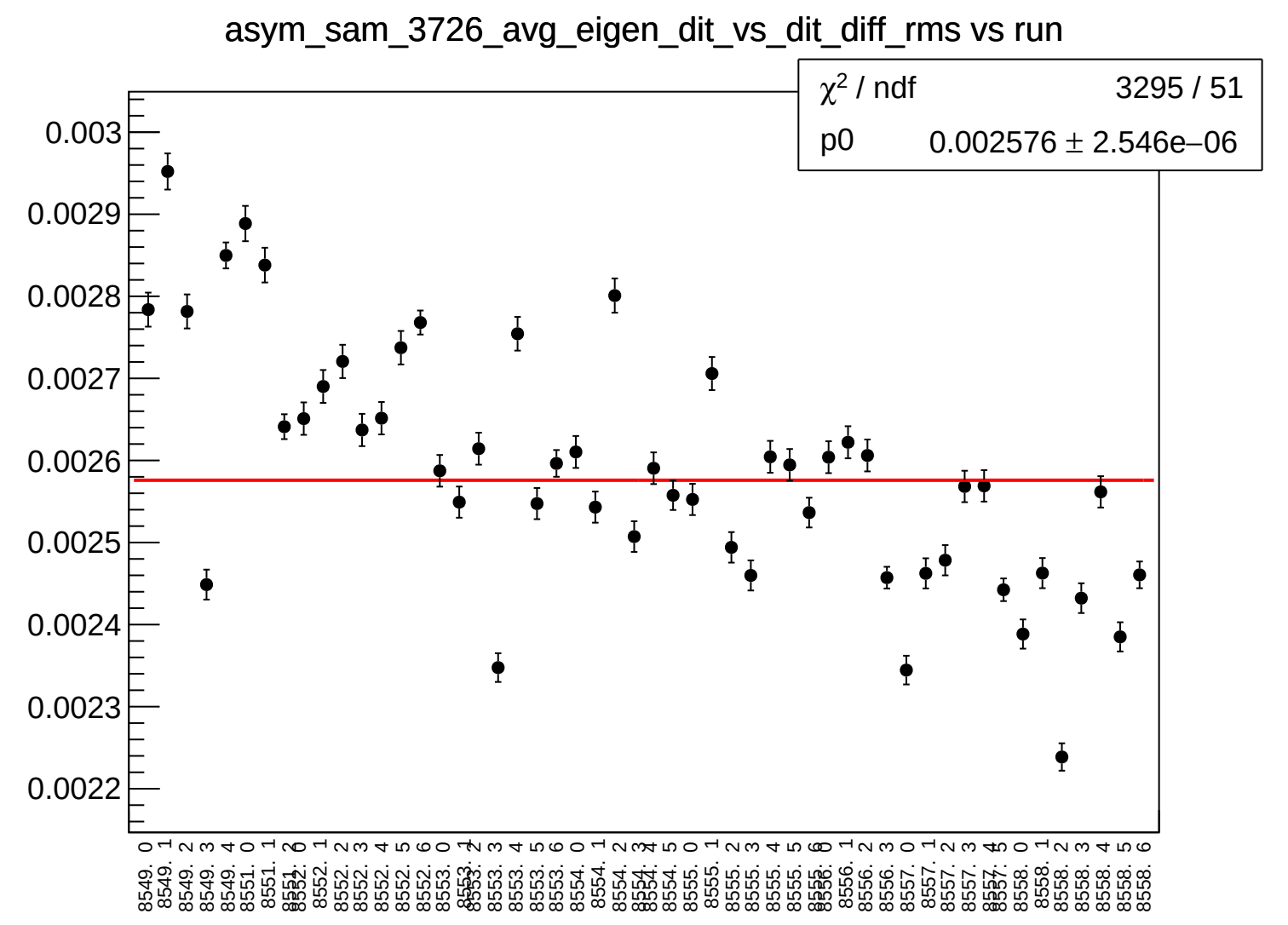

asym_sam_3726_avg_dit_vs_cor_diff_rms vs run
χ^2 / ndf 3.171e+04 / 51
p0 36.98 ± 0.03707
65
60
55
50
45
40
35
30
25
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

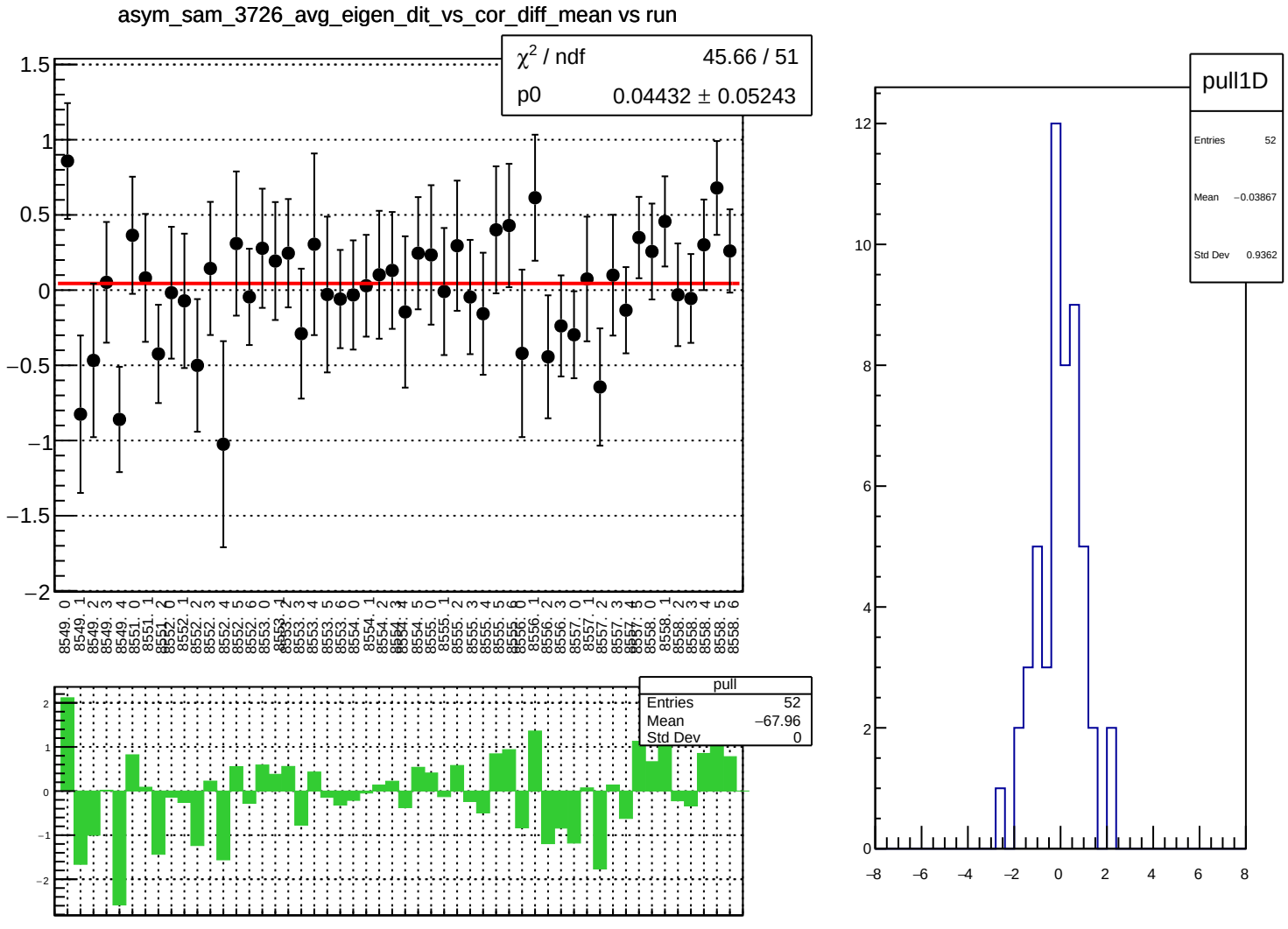

asym_sam_3726_avg_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 45.66 / 51
p0 0.04432 ± 0.05243
pull
Entries 52
Mean −67.97
Std Dev 0
pull1D
Entries 52
Mean −0.03867
Std Dev 0.9362

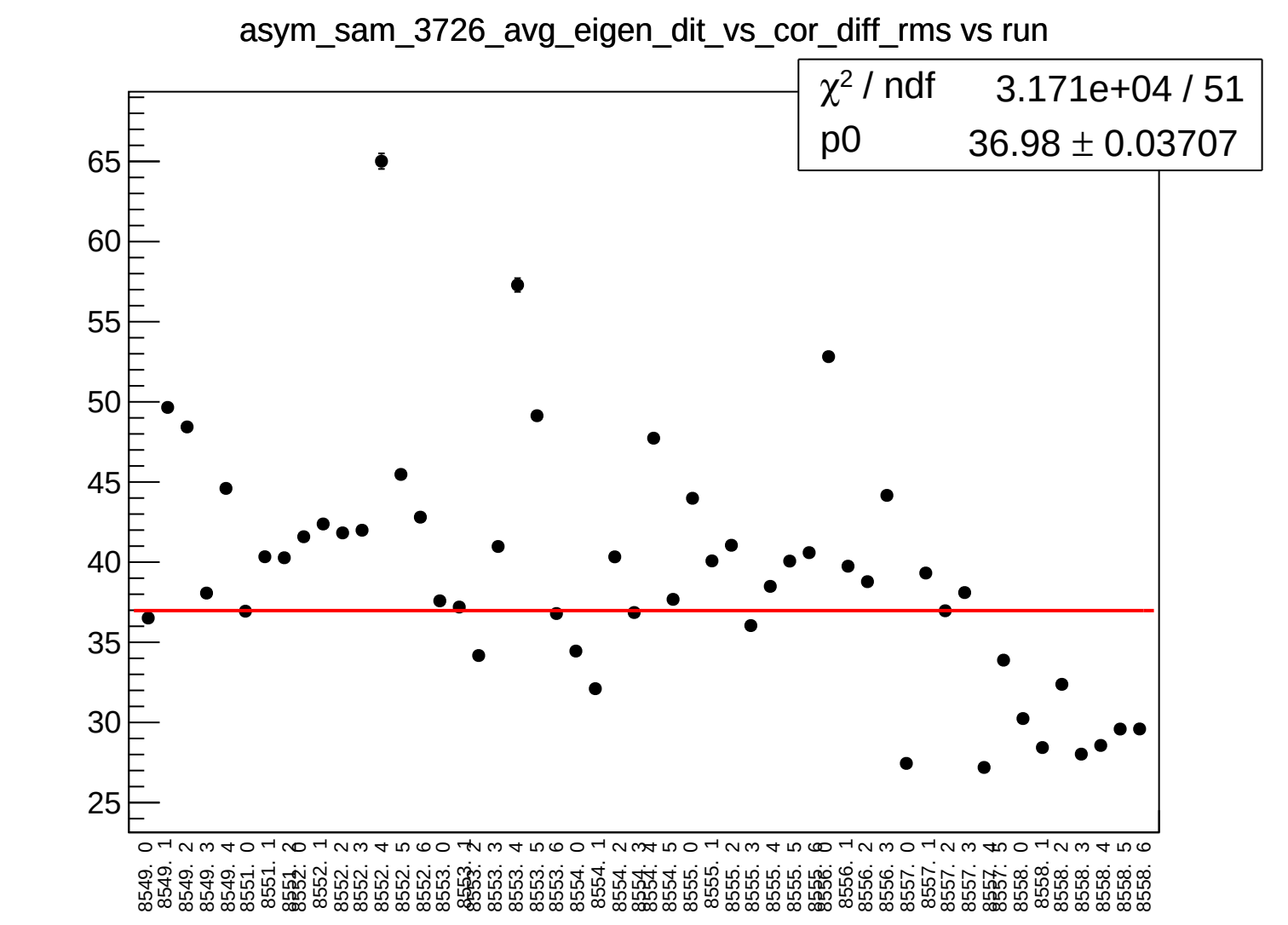

asym_sam_3726_avg_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 3.171e+04 / 51
p0 36.98 ± 0.03707
65
60
55
50
45
40
35
30
25
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 2
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 5
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

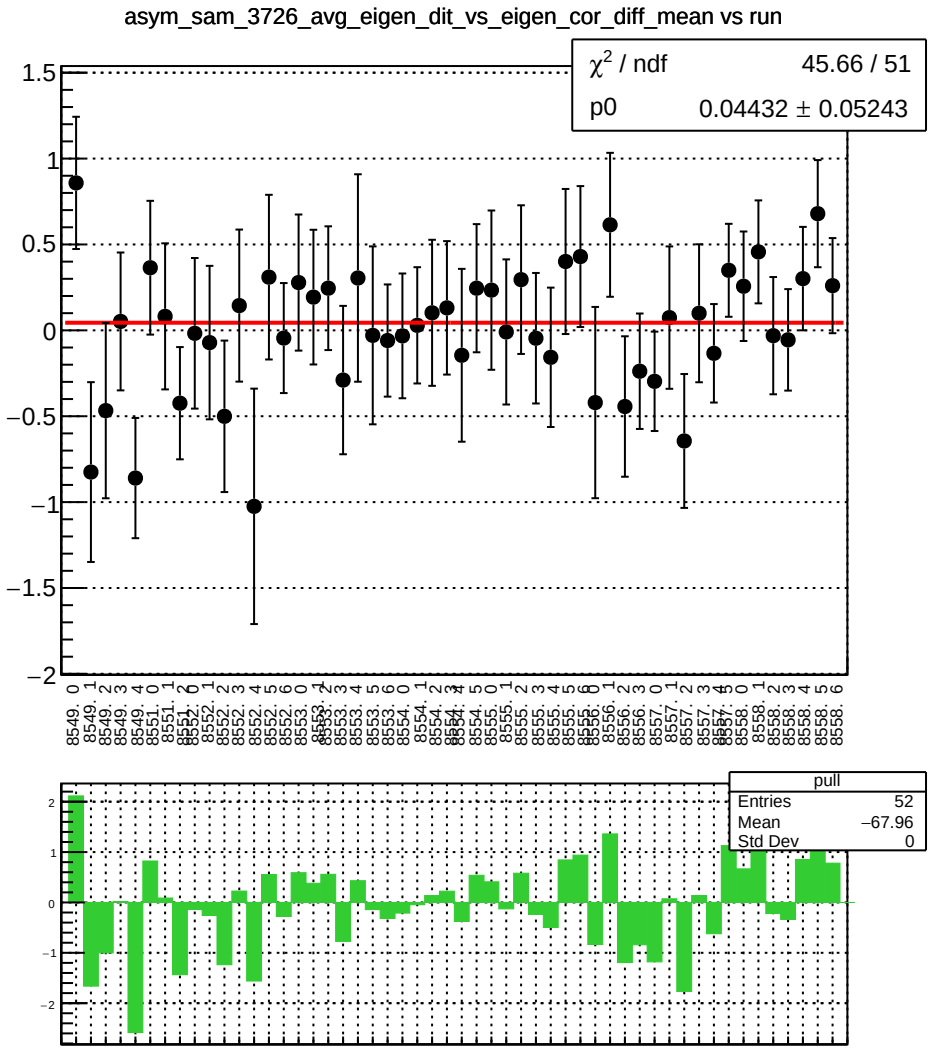

asym_sam_3726_avg_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 52.24 / 51
p0 −3.065e−07 ± 3.601e−06
pull
Entries 52
Mean 19.83
Std Dev 0

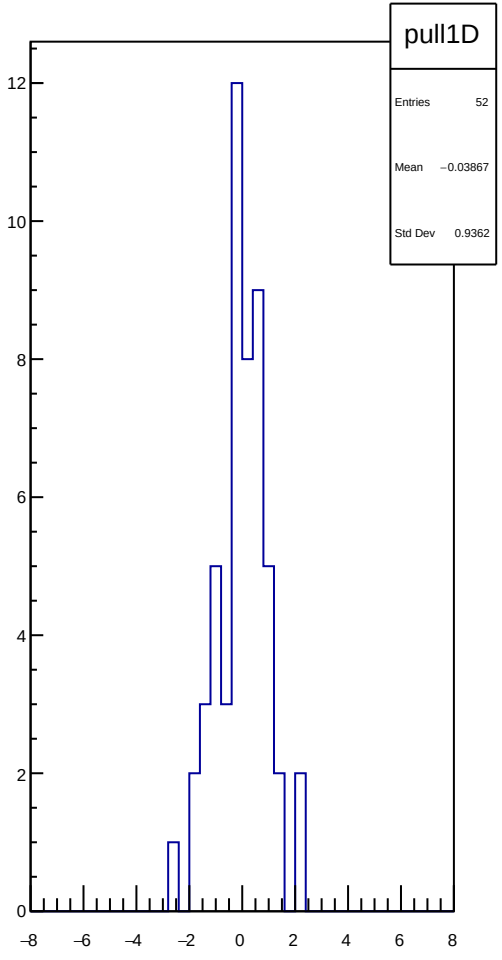

pull1D
Entries 52
Mean −0.01284
Std Dev 1.002

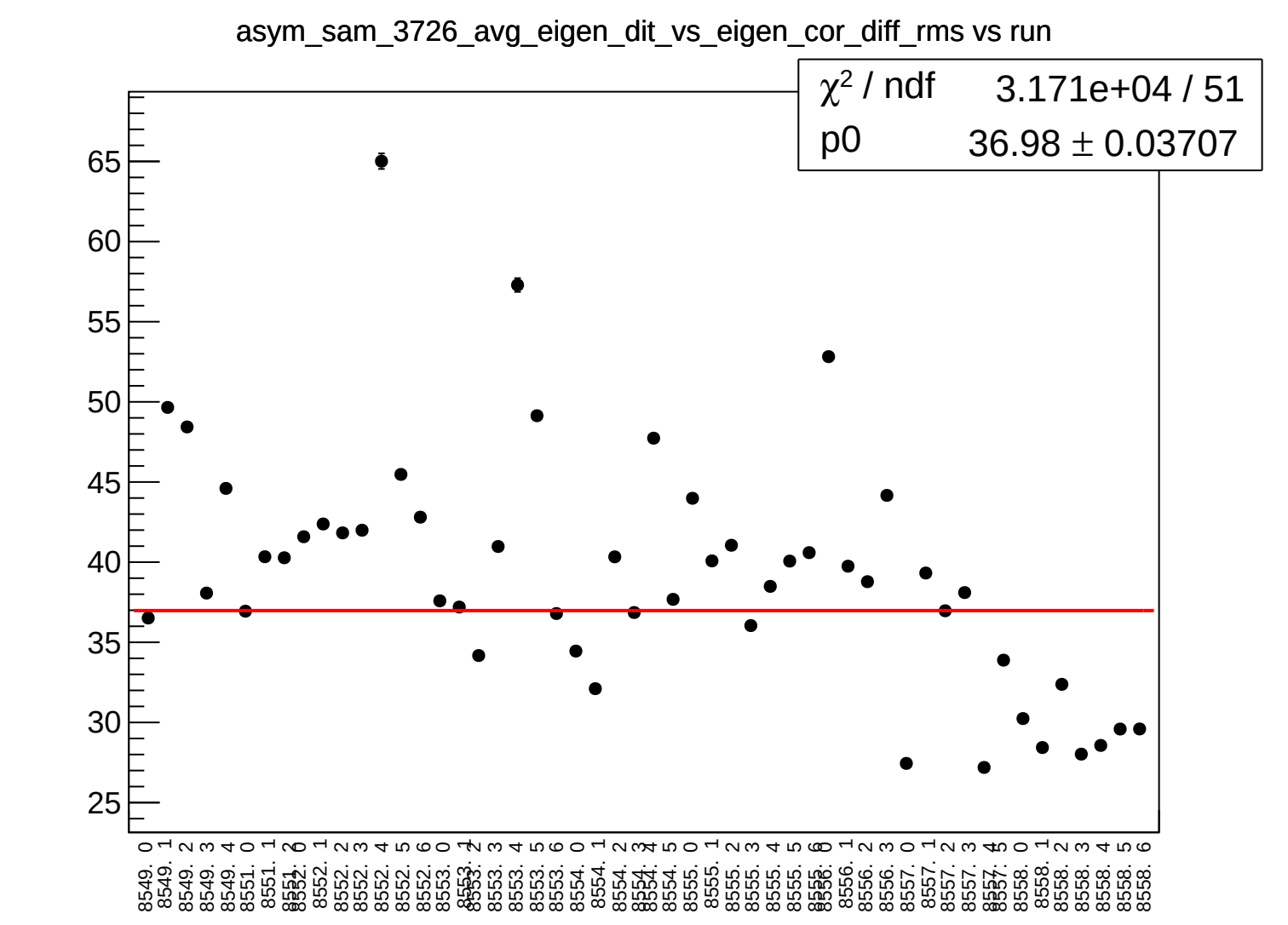

asym_sam_3726_avg_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 3295 / 51
p0 0.002576 ± 2.546e−06
0.003
0.0029
0.0028
0.0027
0.0026
0.0025
0.0024
0.0023
0.0022
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

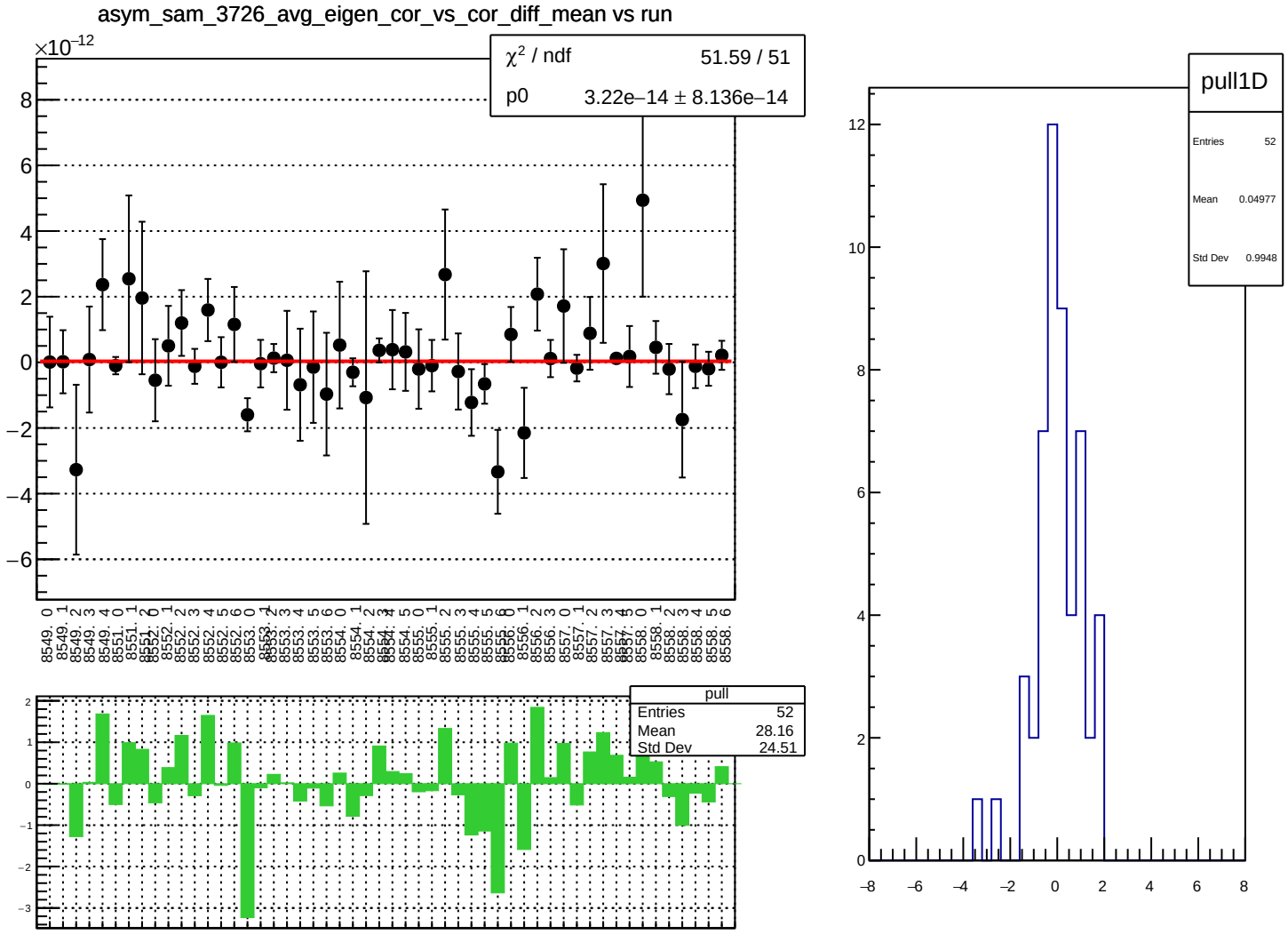

asym_sam_3726_avg_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 45.66 / 51
p0 0.04432 ± 0.05243
pull
Entries 52
Mean −67.96
Std Dev 0
pull1D
Entries 52
Mean −0.03867
Std Dev 0.9362

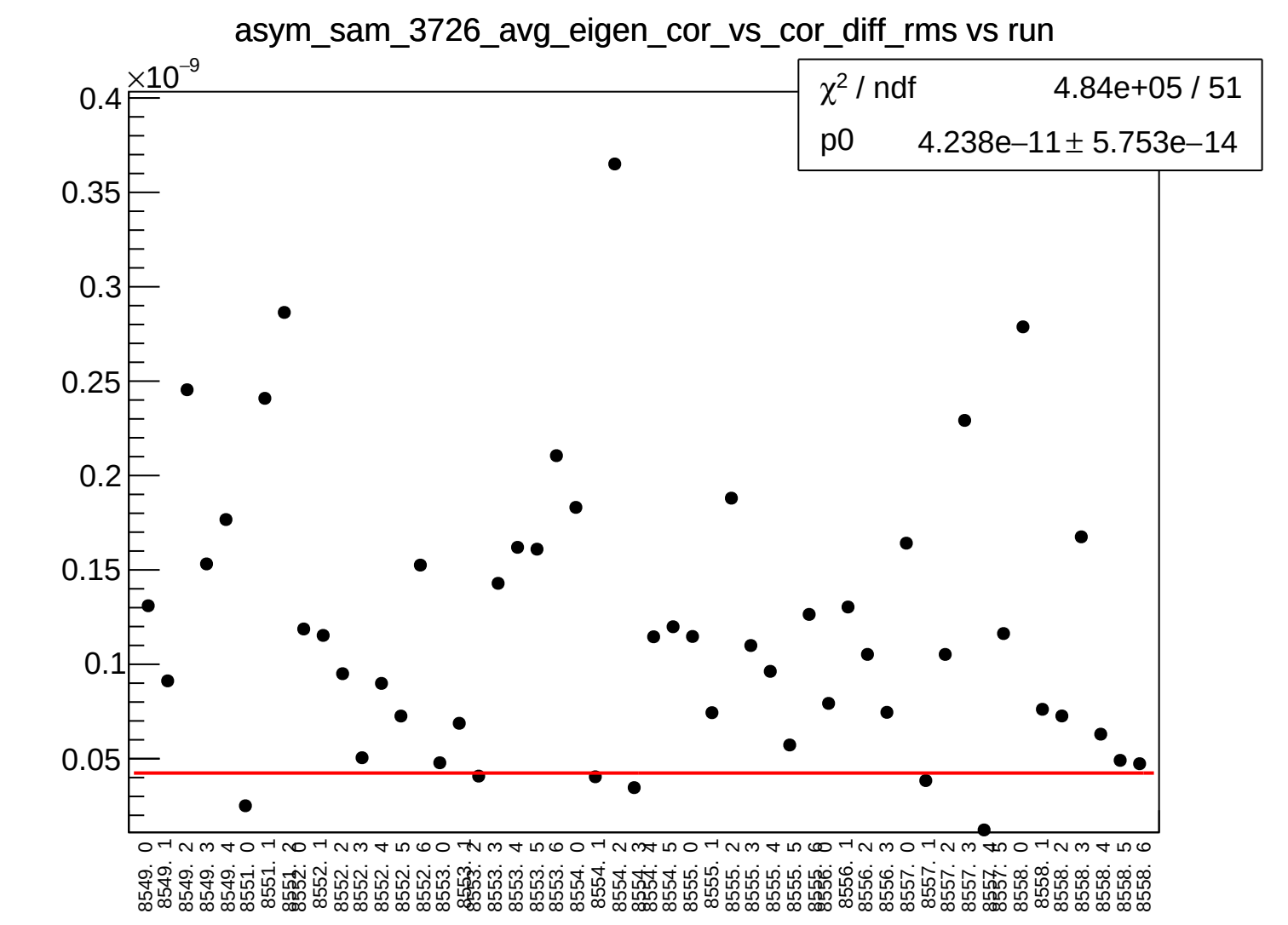

asym_sam_3726_avg_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 3.171e+04 / 51
p0 36.98 ± 0.03707
65
60
55
50
45
40
35
30
25
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 2
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 5
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

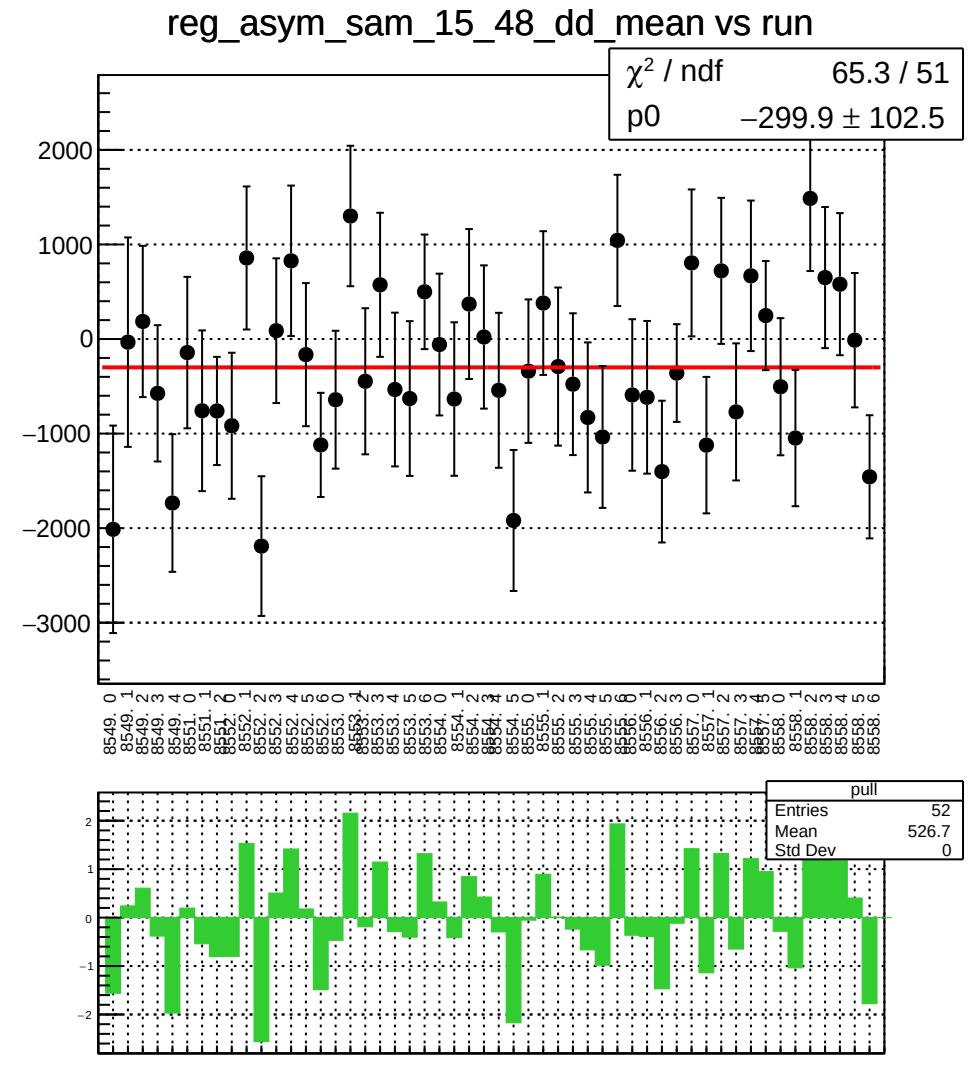

asym_sam_3726_avg_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 45.66 / 51
p0 0.04432 ± 0.05243
pull
Entries 52
Mean −67.96
Std Dev 0

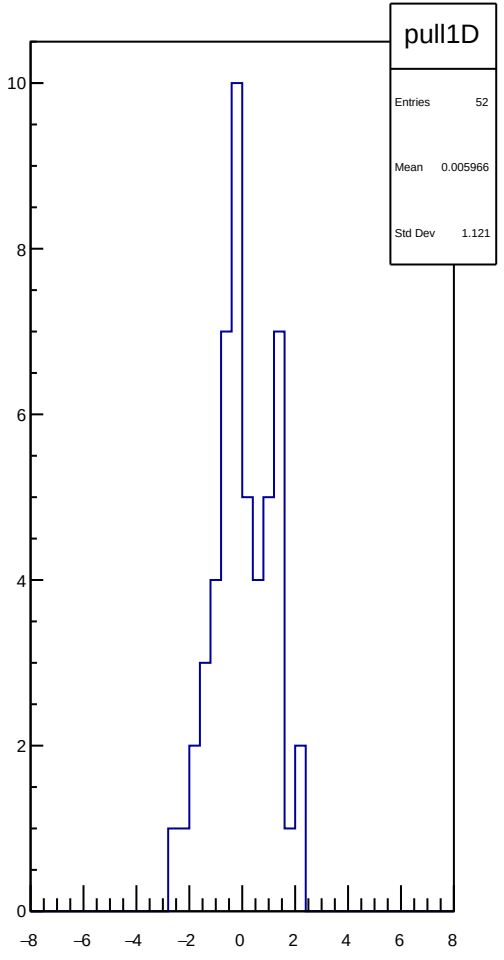

pull1D
Entries 52
Mean −0.03867
Std Dev 0.9362

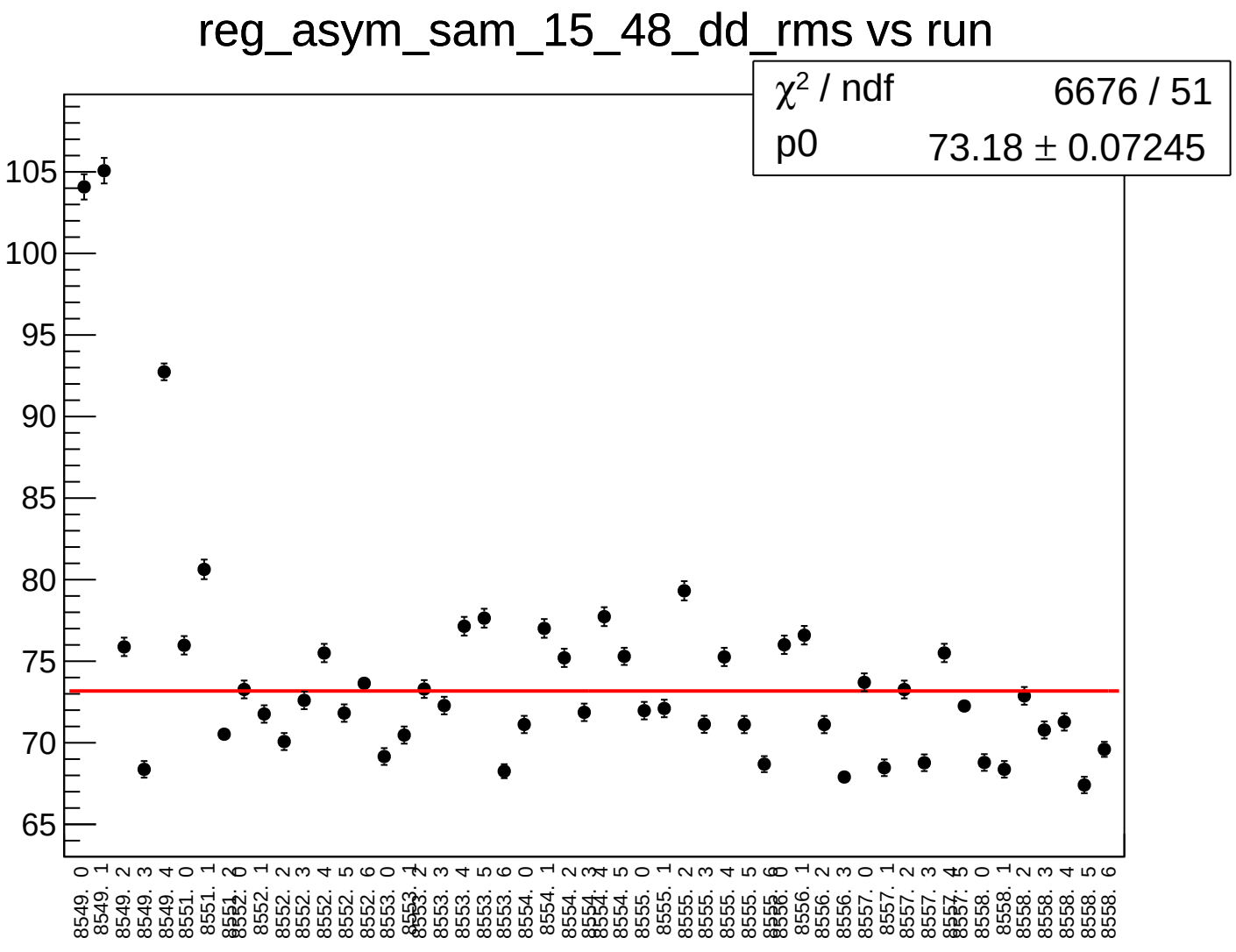

asym_sam_3726_avg_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 3.171e+04 / 51
p0 36.98 ± 0.03707
65
60
55
50
45
40
35
30
25
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 2
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 5
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

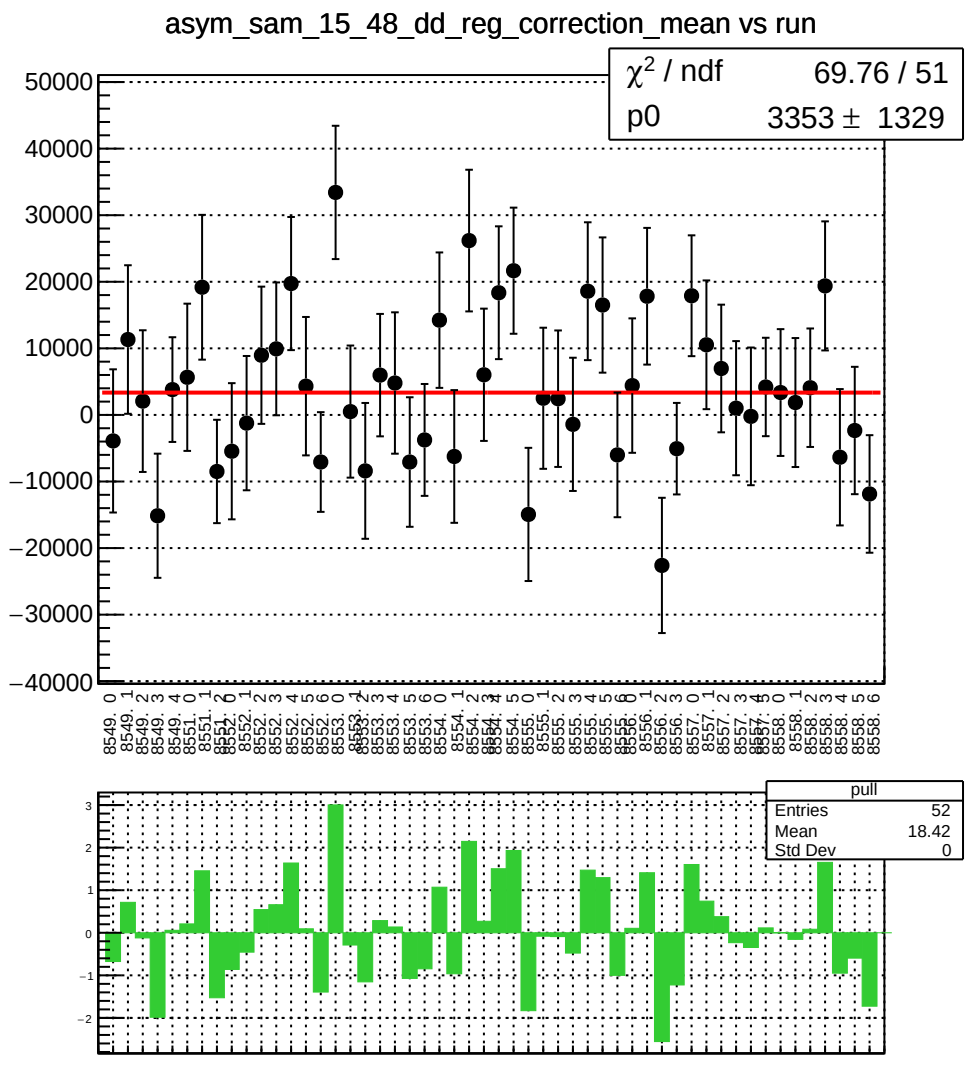

asym_sam_3726_avg_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 51.59 / 51
p0 3.22e−14 ± 8.136e−14
pull
Entries 52
Mean 28.16
Std Dev 24.51
pull1D
Entries 52
Mean 0.04977
Std Dev 0.9948

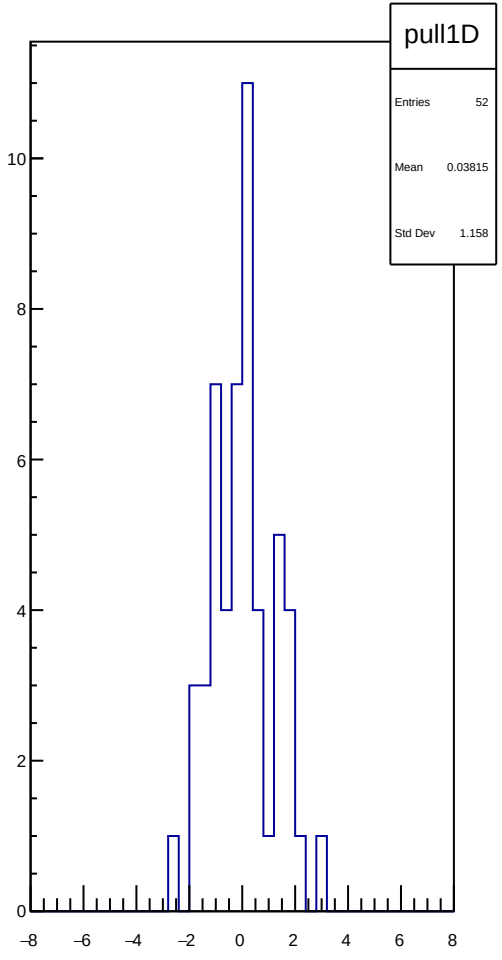

asym_sam_3726_avg_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 4.84e+05 / 51
p0 4.238e−11 ± 5.753e−14
0.4
0.35
0.3
0.25
0.2
0.15
0.1
0.05
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

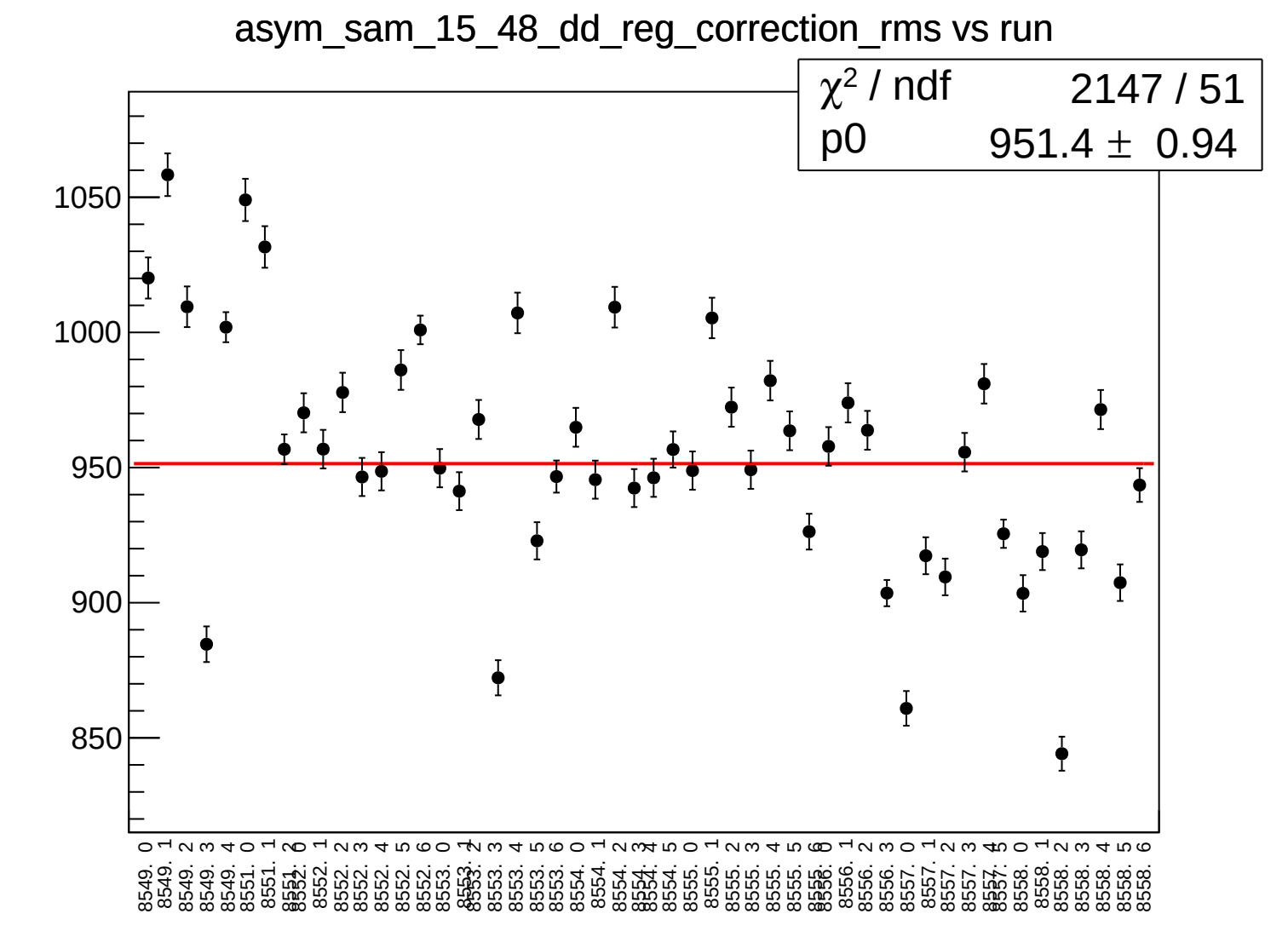

reg_asym_sam_15_48_dd_mean vs run
χ² / ndf 65.3 / 51
p0 −299.9 ± 102.5
2000
1000
0
−1000
−2000
−3000
pull
Entries 52
Mean 526.7
Std Dev 0
2
1
0
−1
−2

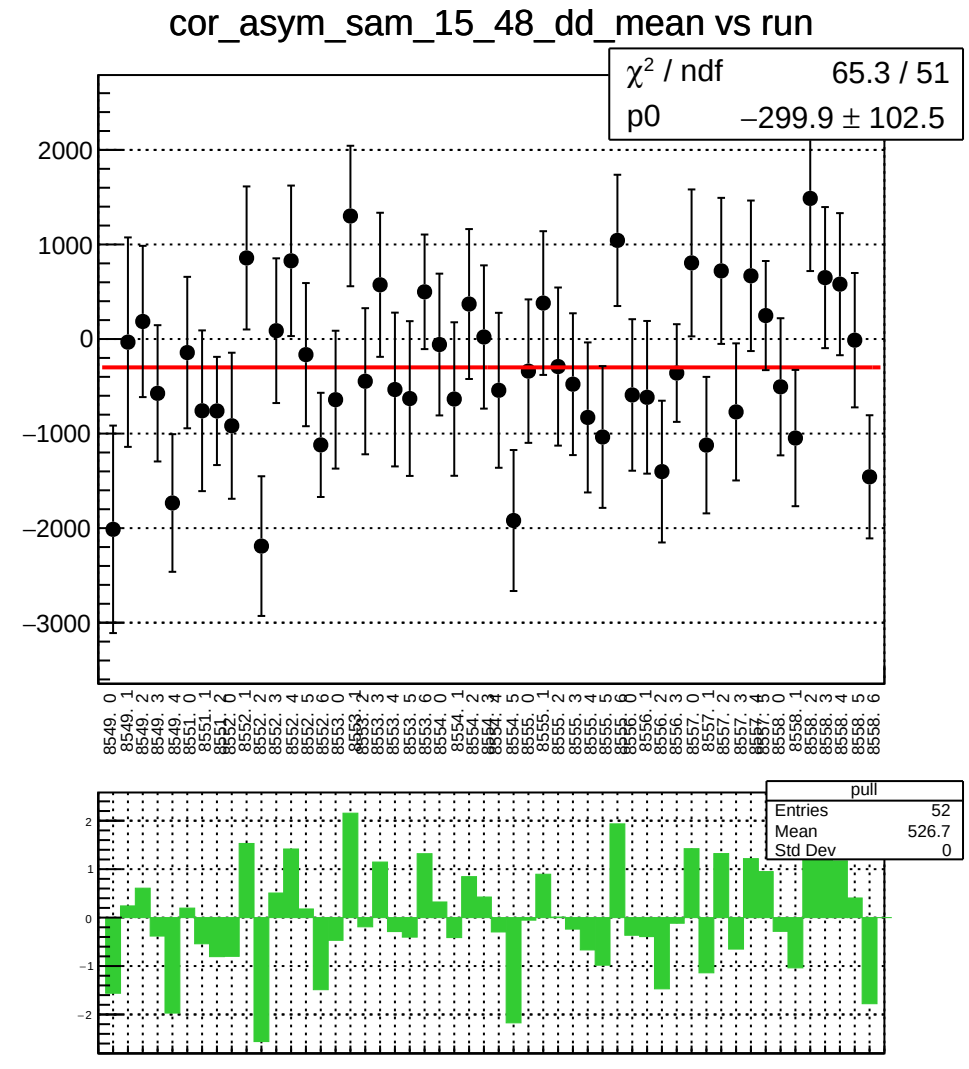

pull1D
Entries 52
Mean 0.005966
Std Dev 1.121
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

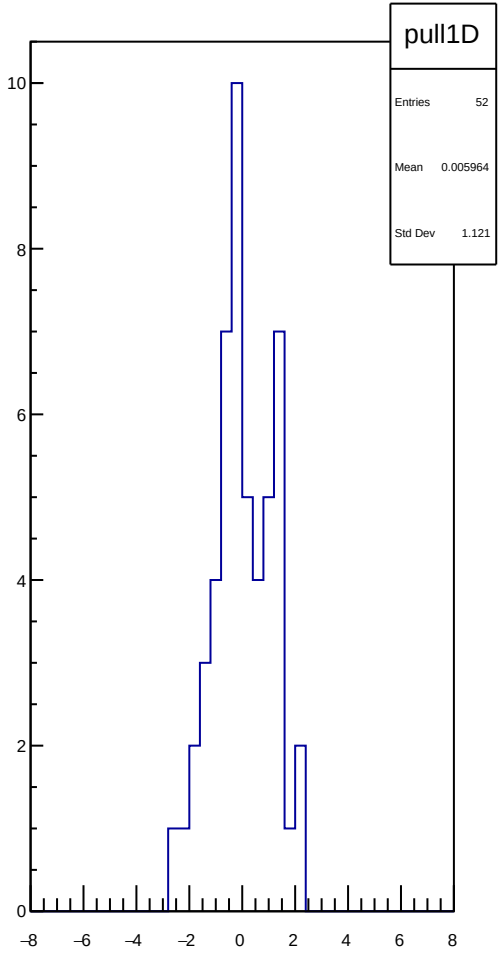

reg_asym_sam_15_48_dd_rms vs run
χ² / ndf 6676 / 51
p0 73.18 ± 0.07245
105
100
95
90
85
80
75
70
65
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 5
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

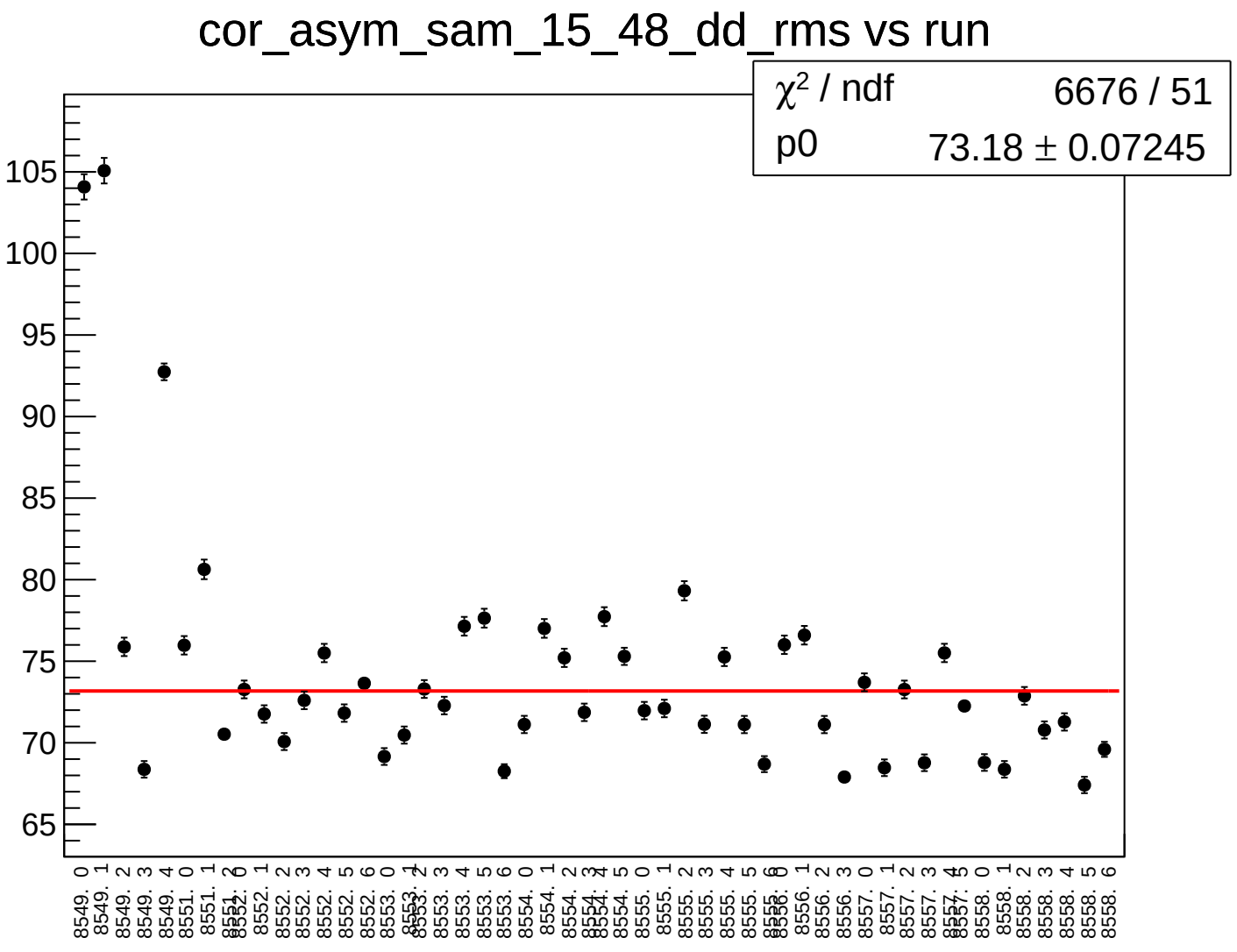

asym_sam_15_48_dd_reg_correction_mean vs run
χ^2 / ndf 69.76 / 51
p0 3353 ± 1329
pull
Entries 52
Mean 18.42
Std Dev 0


pull1D
Entries 52
Mean 0.03815
Std Dev 1.158


asym_sam_15_48_dd_reg_correction_rms vs run
χ² / ndf 2147 / 51
p0 951.4 ± 0.94
1050
1000
950
900
850
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 5
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6


cor_asym_sam_15_48_dd_mean vs run
χ² / ndf 65.3 / 51
p0 −299.9 ± 102.5
2000
1000
0
−1000
−2000
−3000
pull
Entries 52
Mean 526.7
Std Dev 0
2
1
0
−1
−2


pull1D
Entries 52
Mean 0.005964
Std Dev 1.121
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


cor_asym_sam_15_48_dd_rms vs run
χ² / ndf 6676 / 51
p0 73.18 ± 0.07245
105
100
95
90
85
80
75
70
65
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 5
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
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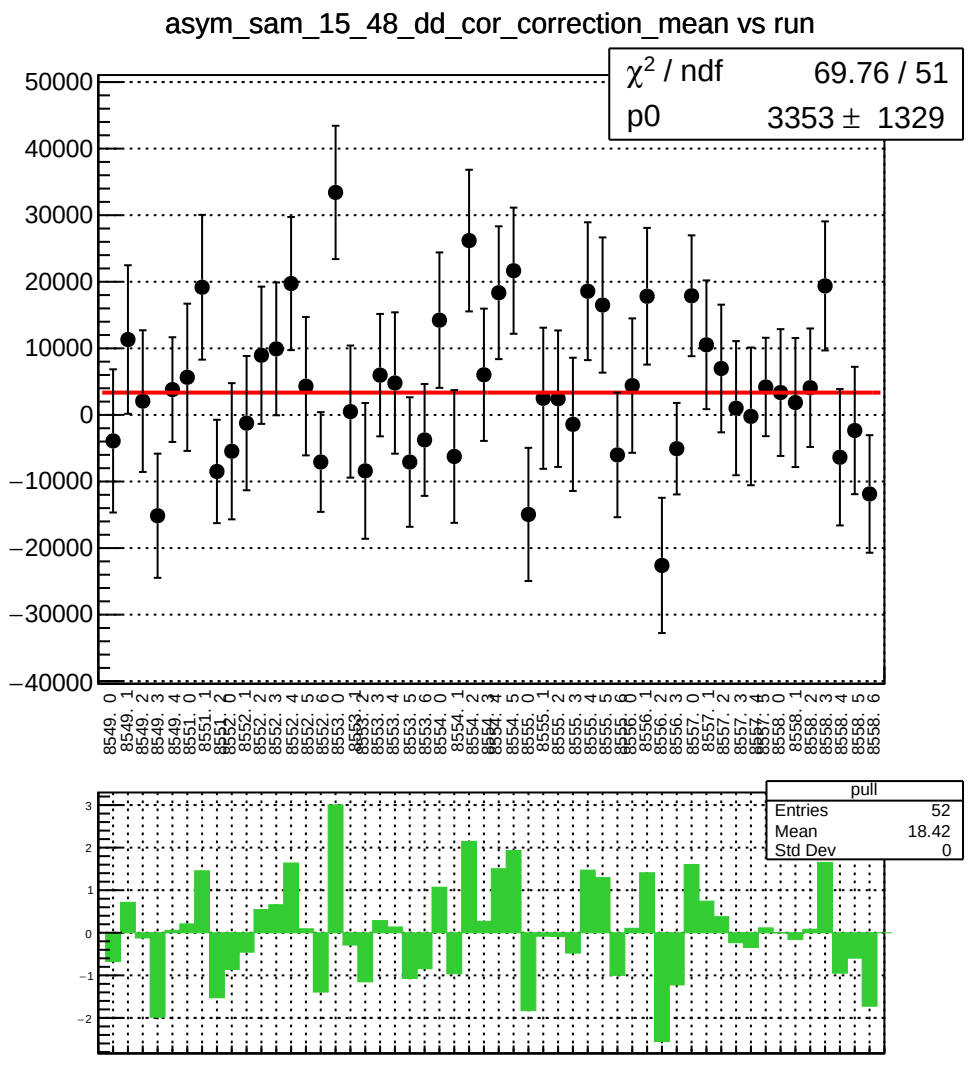
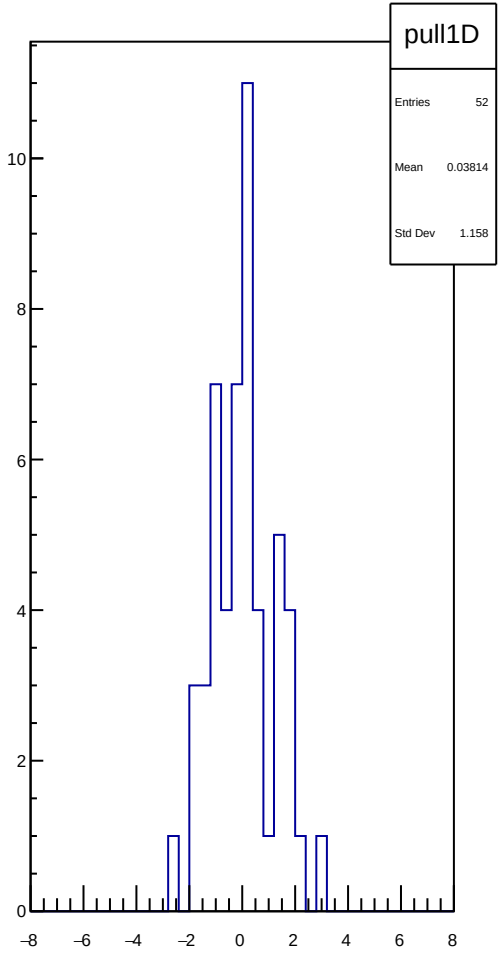
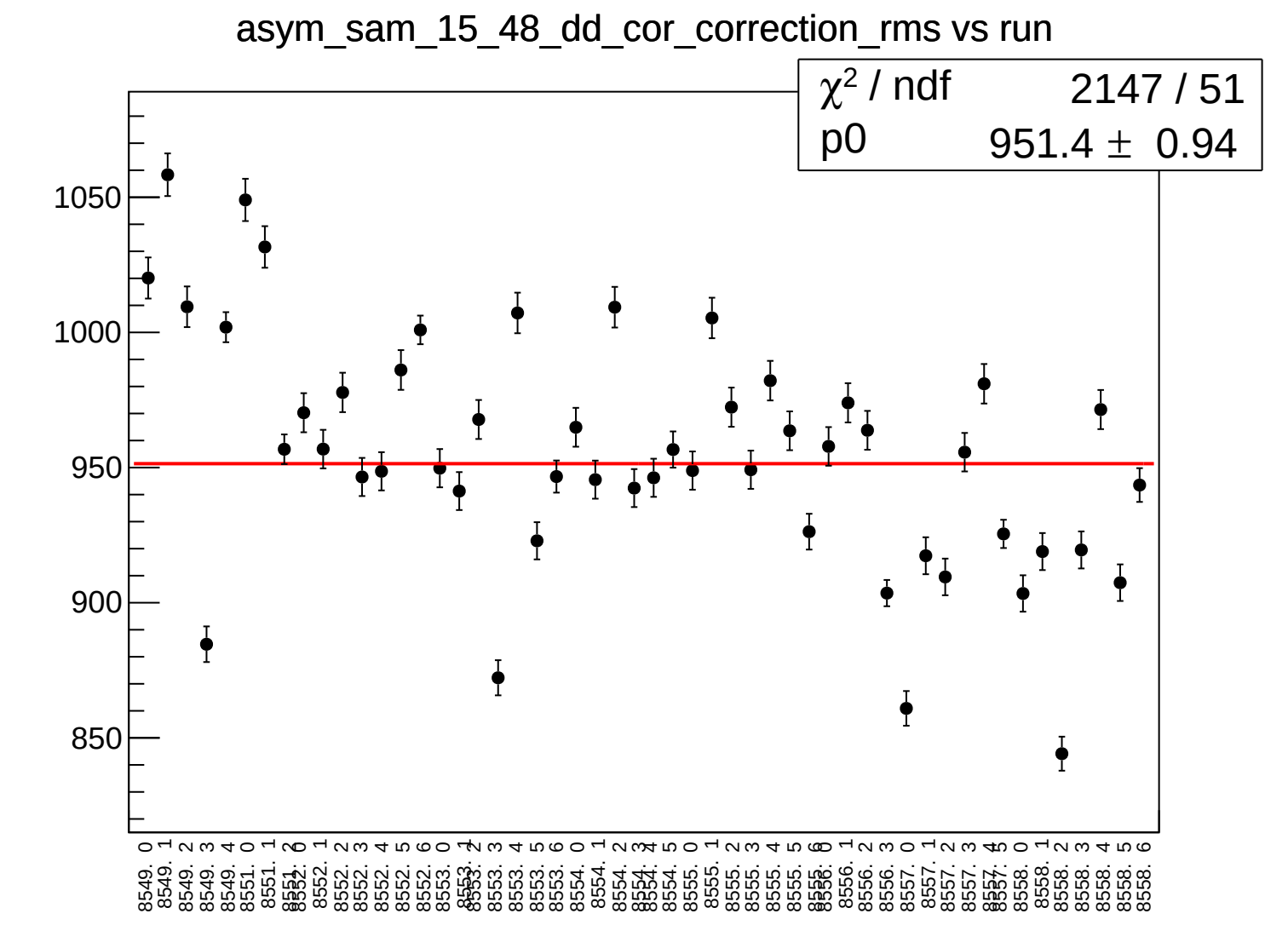
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6


asym_sam_15_48_dd_cor_correction_mean vs run
χ² / ndf 69.76 / 51
p0 3353 ± 1329
pull
Entries 52
Mean 18.42
Std Dev 0


pull1D
Entries 52
Mean 0.03814
Std Dev 1.158


asym_sam_15_48_dd_cor_correction_rms vs run
χ² / ndf 2147 / 51
p0 951.4 ± 0.94
1050
1000
950
900
850
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 5
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
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8557. 3
8558. 0
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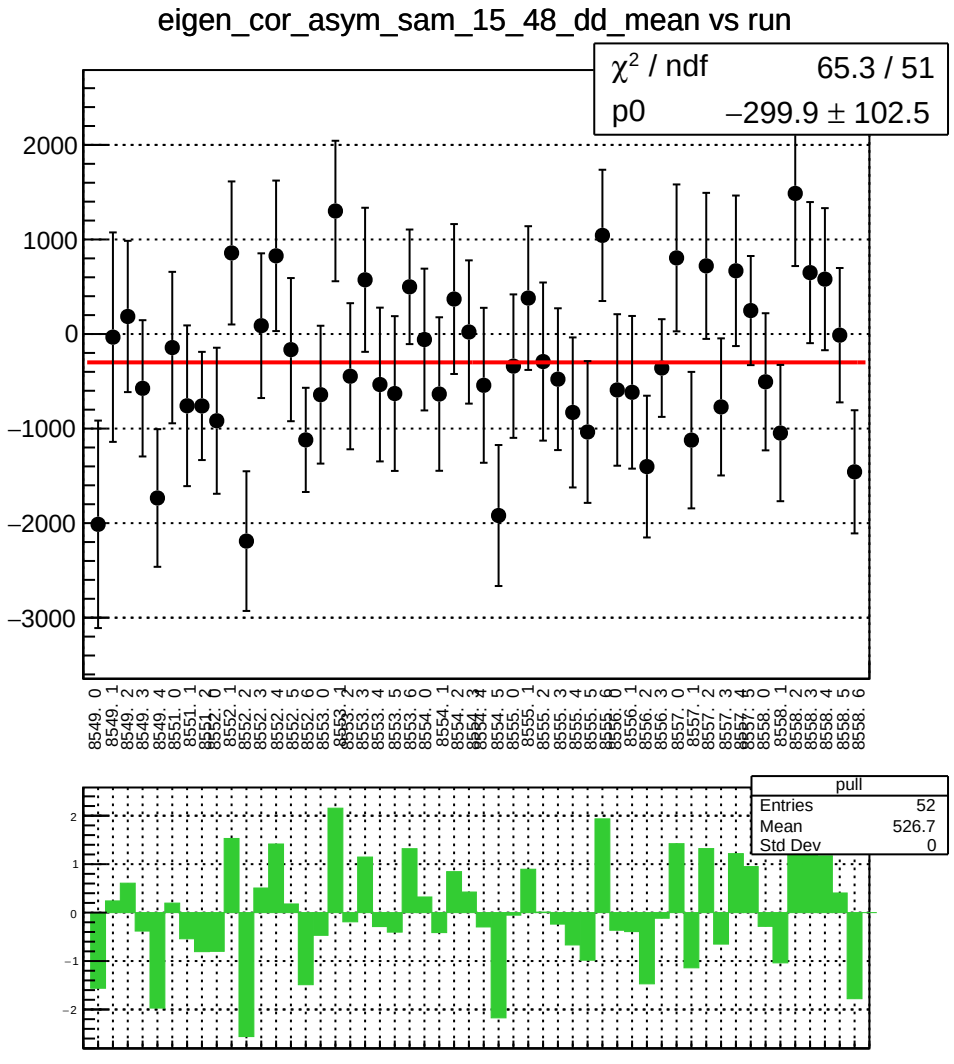
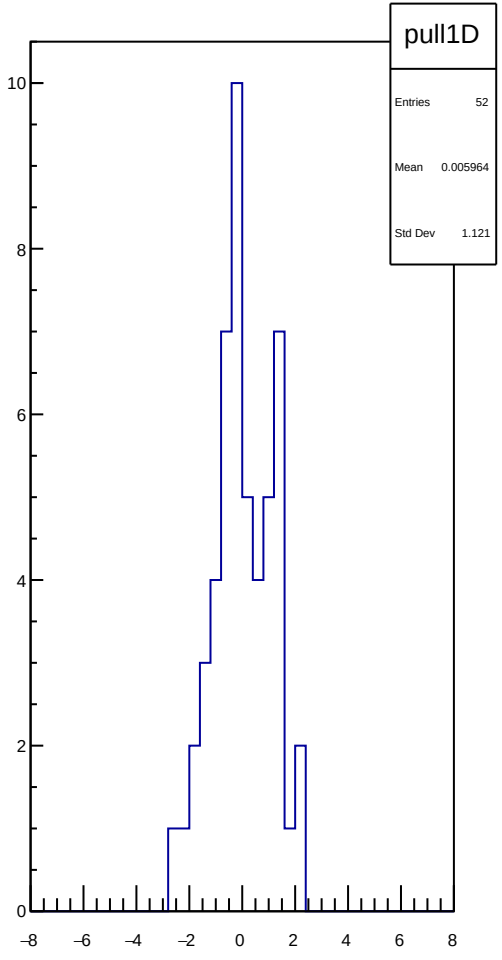
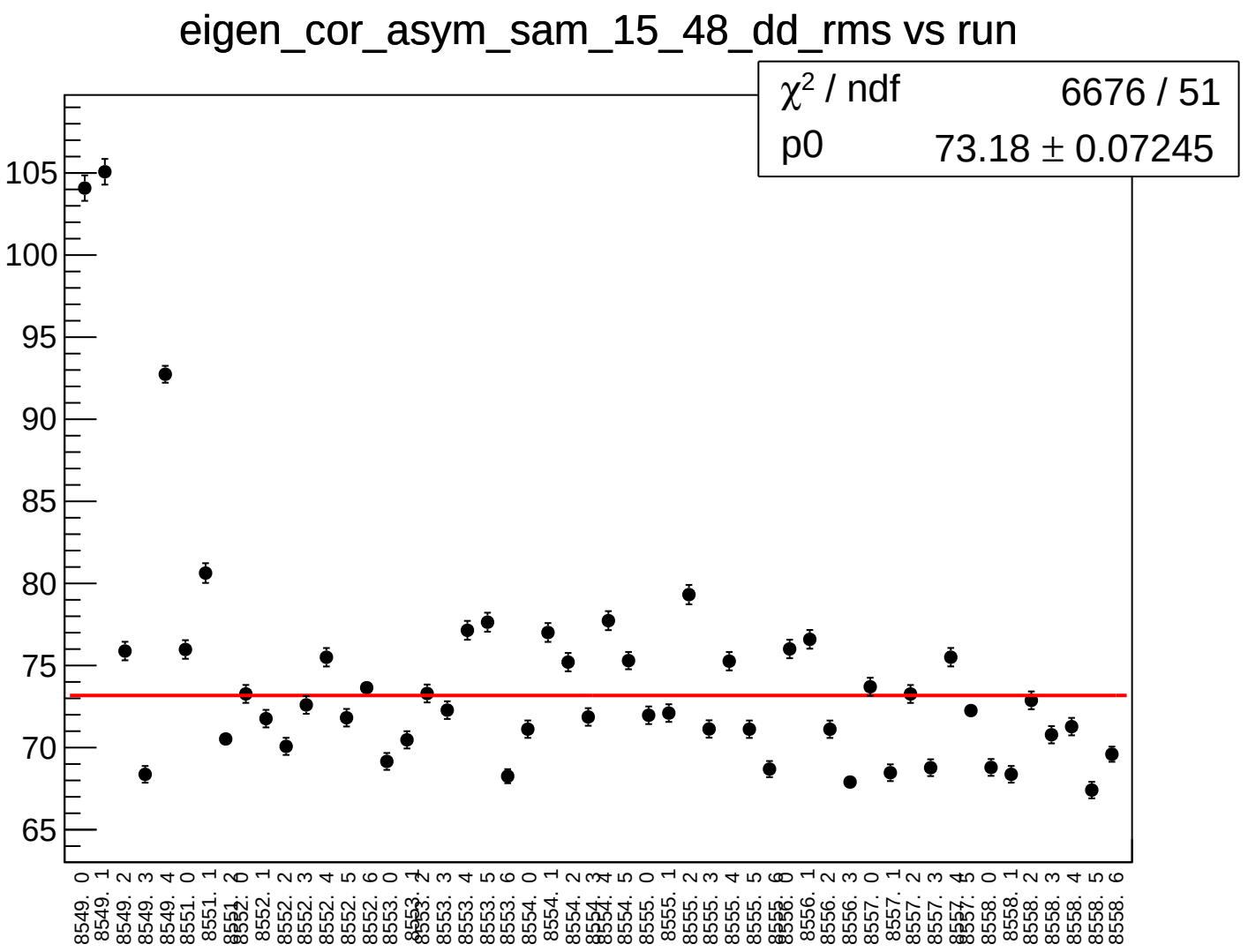
8558. 3
8558. 4
8558. 5
8558. 6


eigen_cor_asym_sam_15_48_dd_mean vs run
χ² / ndf 65.3 / 51
p0 −299.9 ± 102.5
pull
Entries 52
Mean 526.7
Std Dev 0


pull1D
Entries 52
Mean 0.005964
Std Dev 1.121


eigen_cor_asym_sam_15_48_dd_rms vs run
χ² / ndf 6676 / 51
p0 73.18 ± 0.07245
105
100
95
90
85
80
75
70
65
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
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8552. 4
8552. 5
8552. 6
8553. 0
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8554. 0
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8557. 0
8557. 1
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8557. 3
8558. 0
8558. 1
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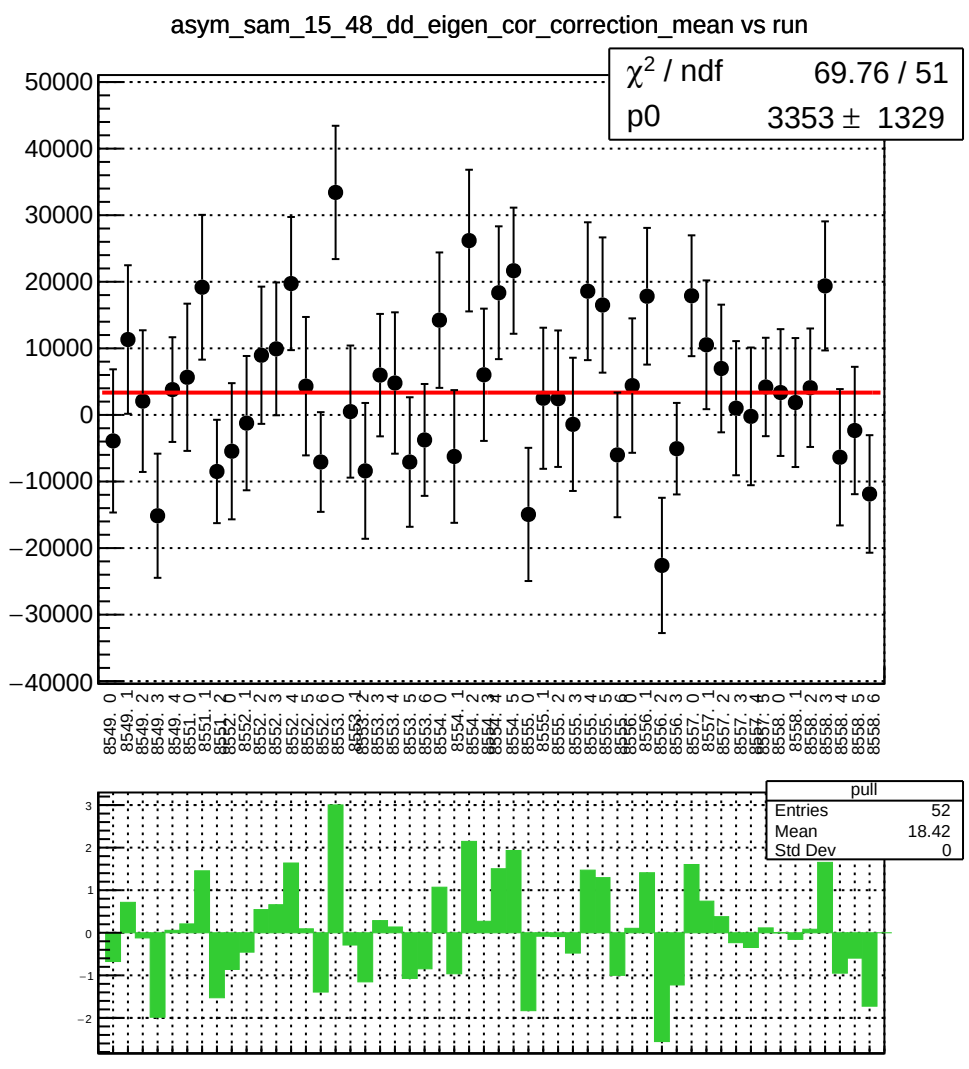
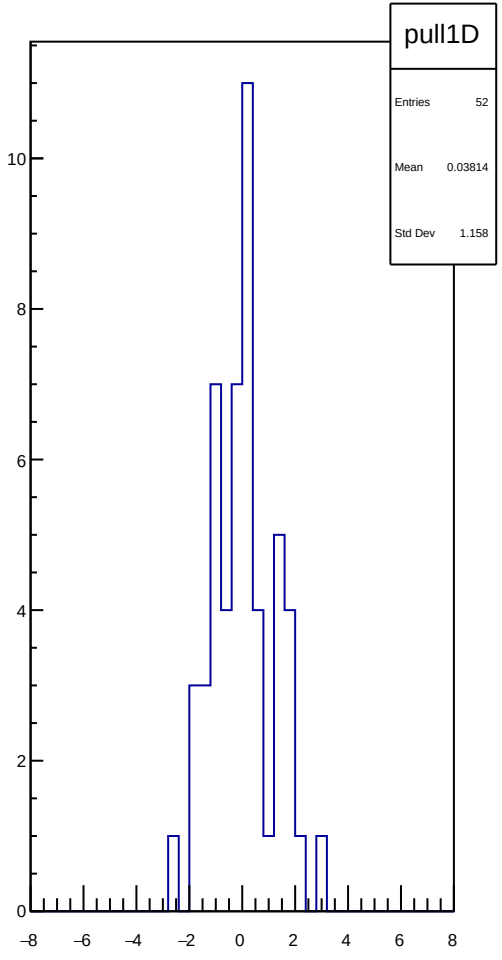
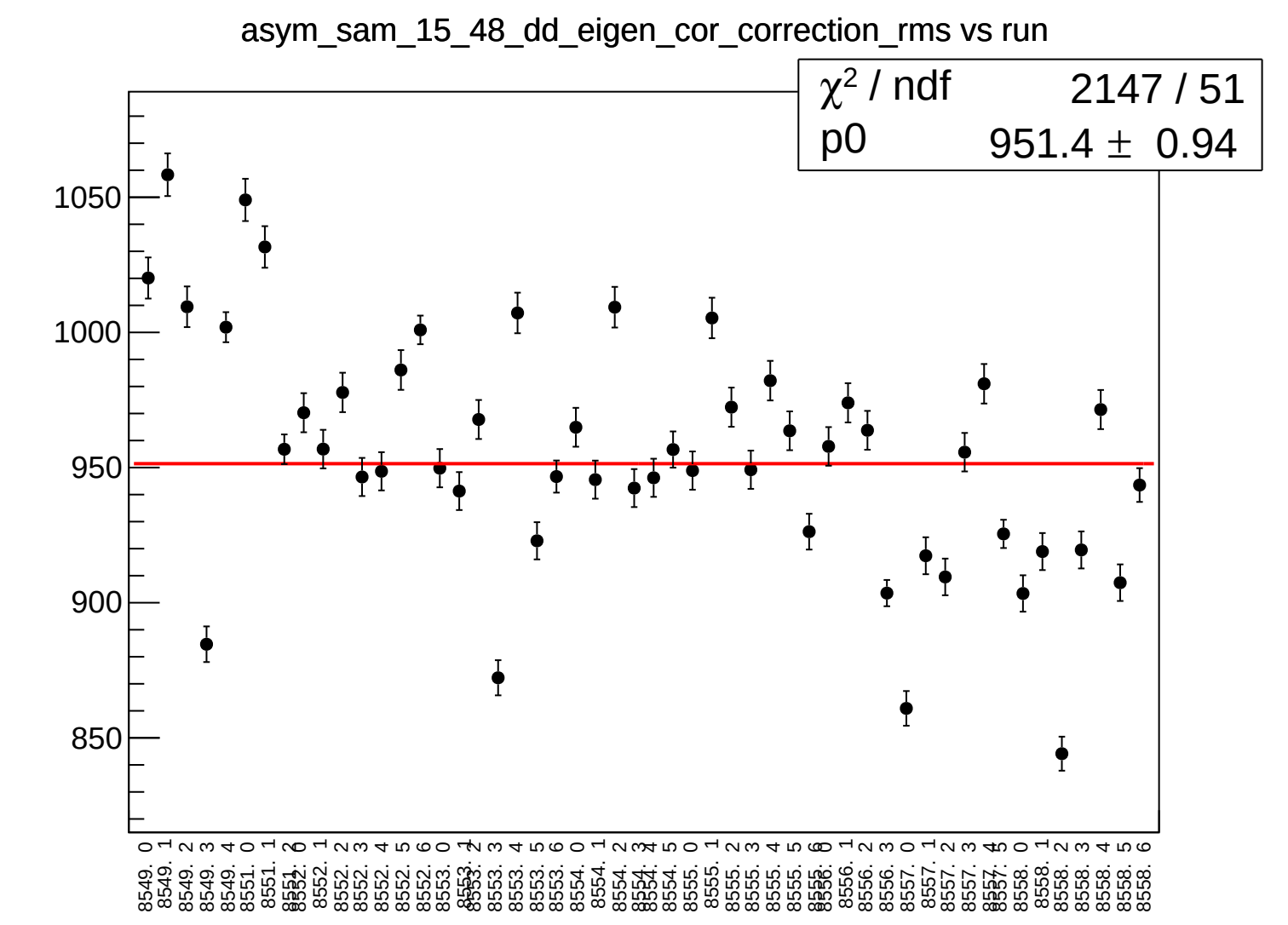

asym_sam_15_48_dd_eigen_cor_correction_mean vs run
χ² / ndf 69.76 / 51
p0 3353 ± 1329
pull
Entries 52
Mean 18.42
Std Dev 0


pull1D
Entries 52
Mean 0.03814
Std Dev 1.158


asym_sam_15_48_dd_eigen_cor_correction_rms vs run
χ² / ndf 2147 / 51
p0 951.4 ± 0.94
1050
1000
950
900
850
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
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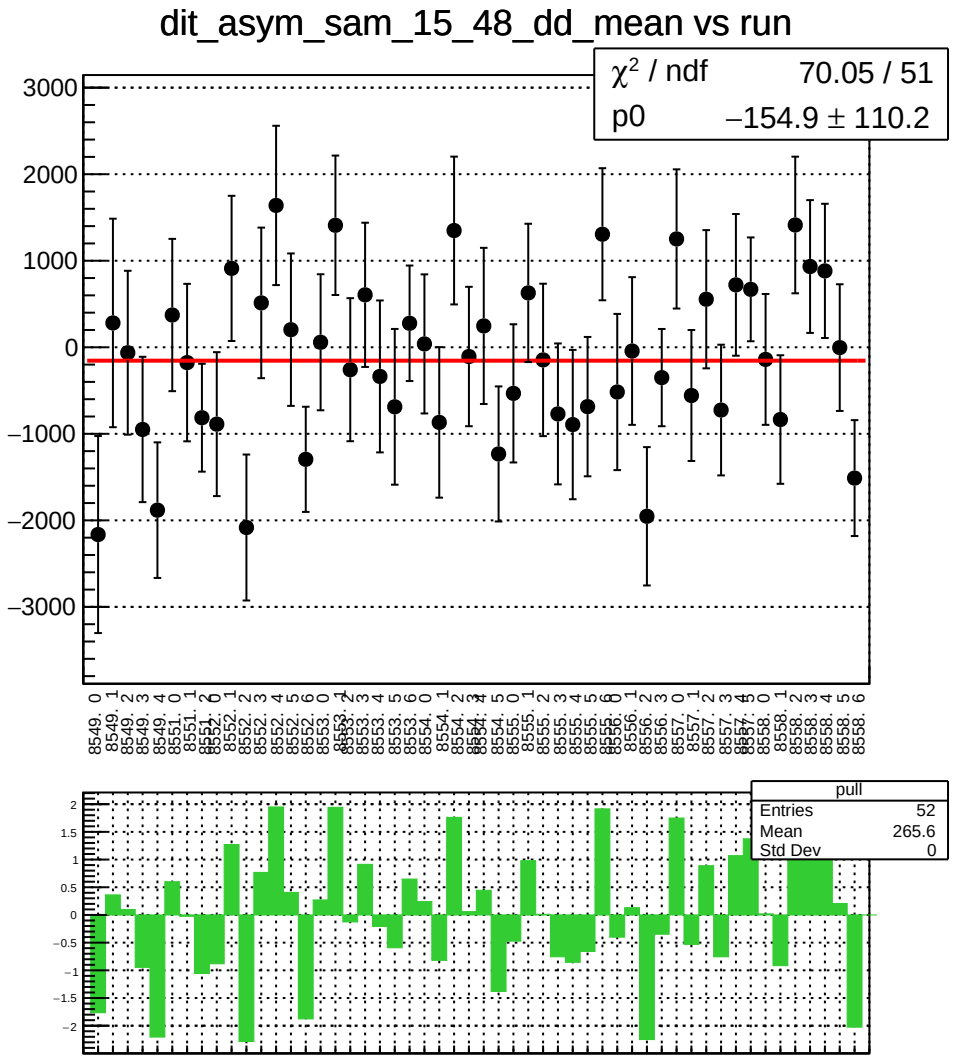
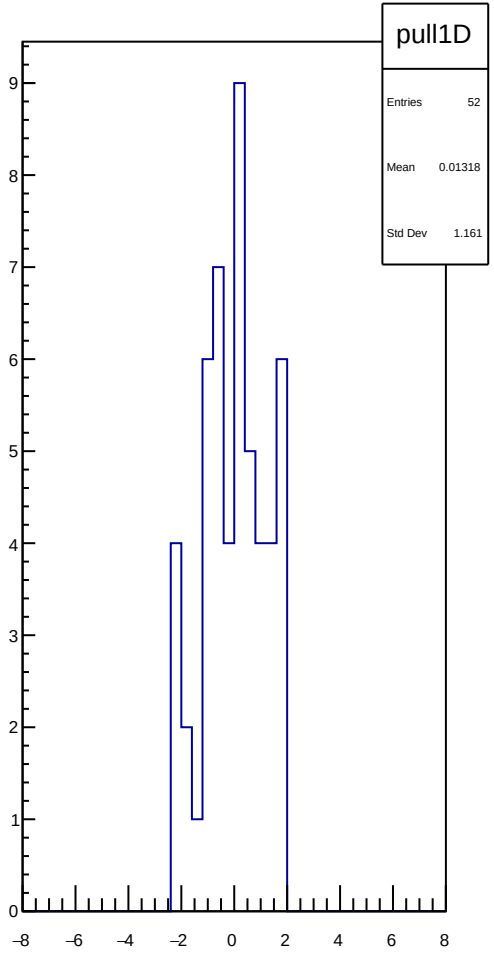
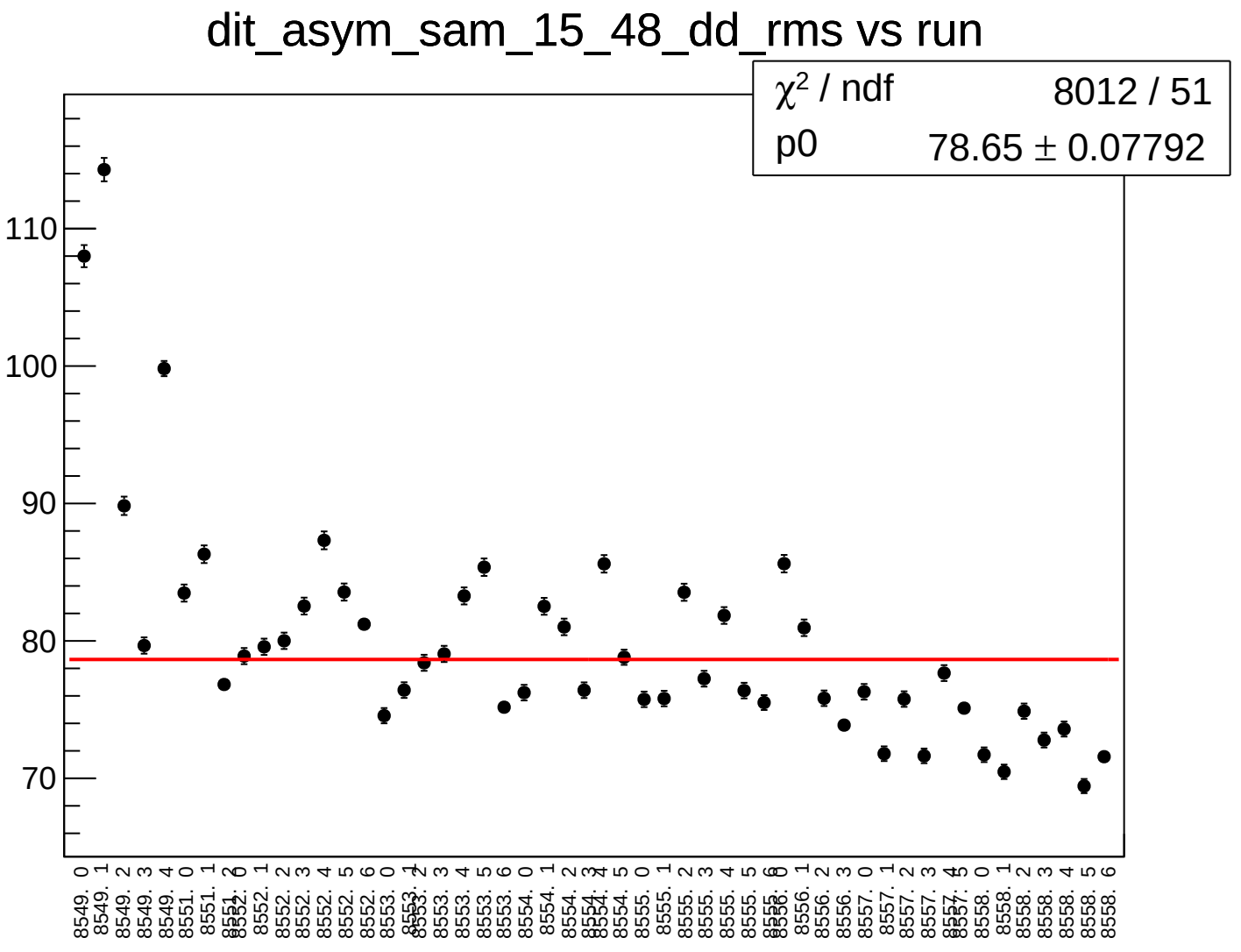

dit_asym_sam_15_48_dd_mean vs run
χ² / ndf 70.05 / 51
p0 −154.9 ± 110.2
pull
Entries 52
Mean 265.6
Std Dev 0


pull1D
Entries 52
Mean 0.01318
Std Dev 1.161


dit_asym_sam_15_48_dd_rms vs run
χ^2 / ndf 8012 / 51
p0 78.65 ± 0.07792
110
100
90
80
70
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
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8554. 0
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8557. 0
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8558. 0
8558. 1
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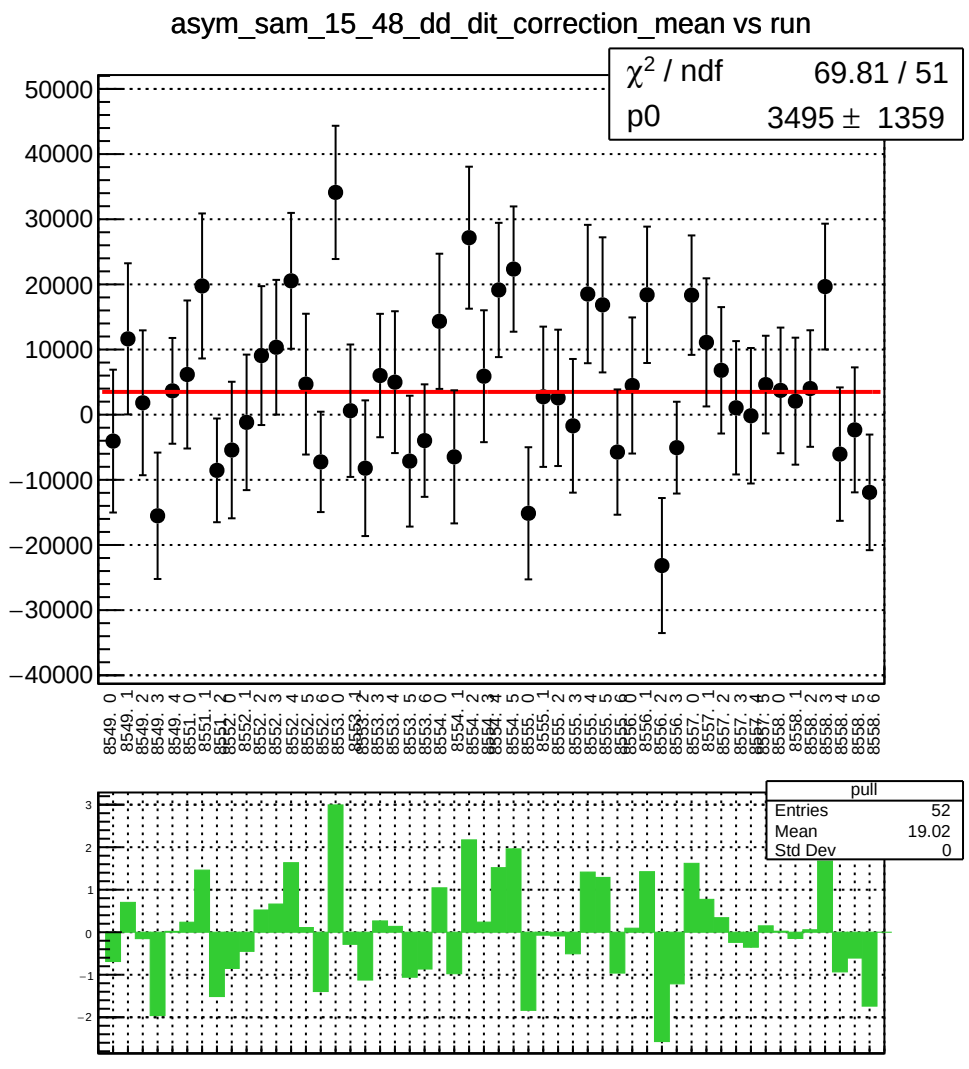
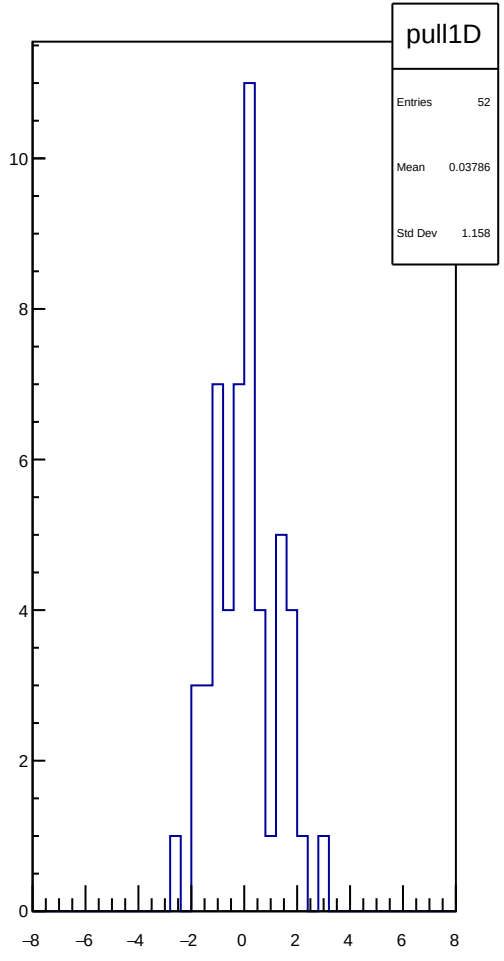
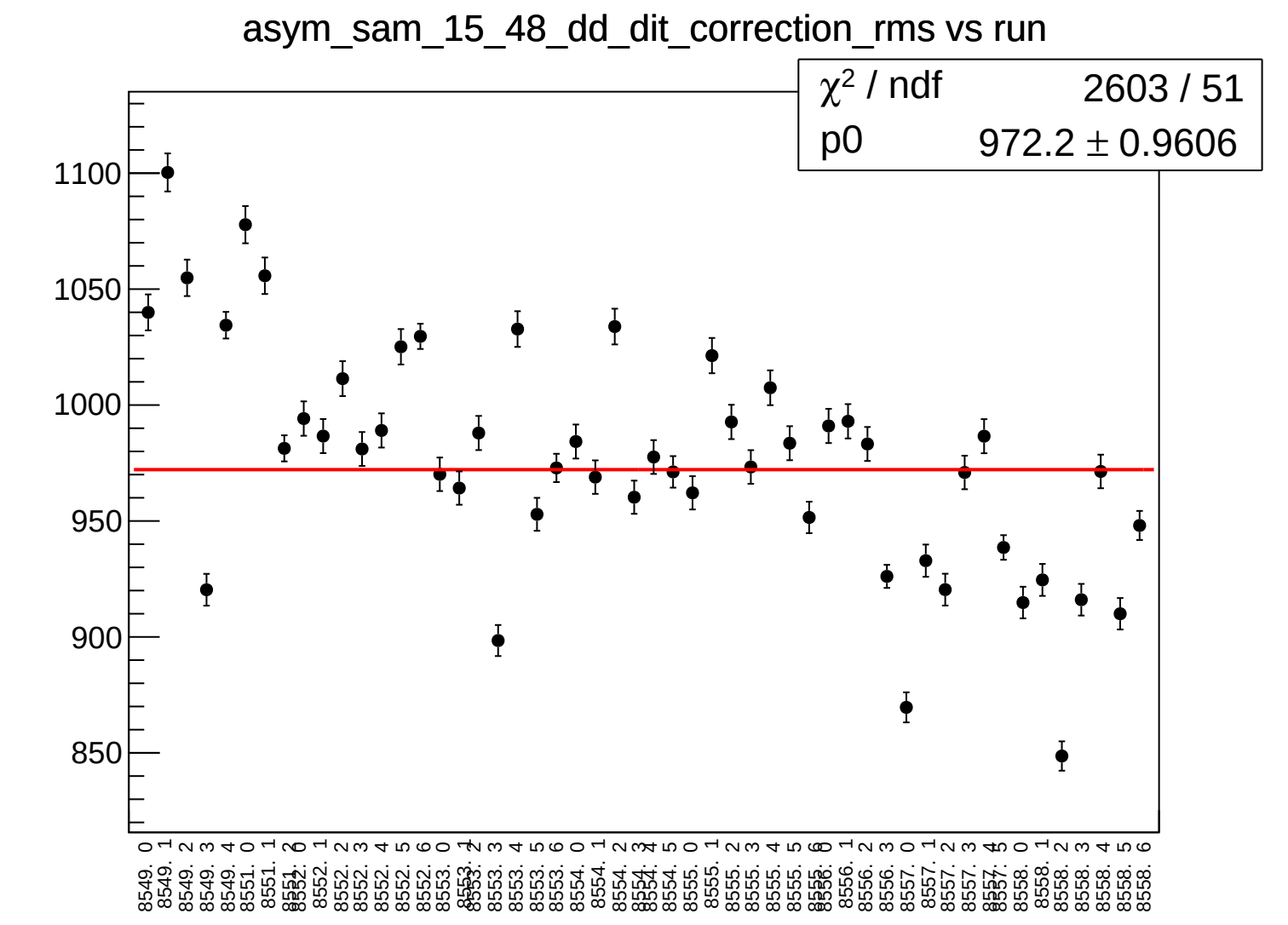
8558. 6


asym_sam_15_48_dd_dit_correction_mean vs run
χ² / ndf 69.81 / 51
p0 3495 ± 1359
pull
Entries 52
Mean 19.02
Std Dev 0


pull1D
Entries 52
Mean 0.03786
Std Dev 1.158


asym_sam_15_48_dd_dit_correction_rms vs run
χ² / ndf 2603 / 51
p0 972.2 ± 0.9606
1100
1050
1000
950
900
850
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
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8556. 2
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8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
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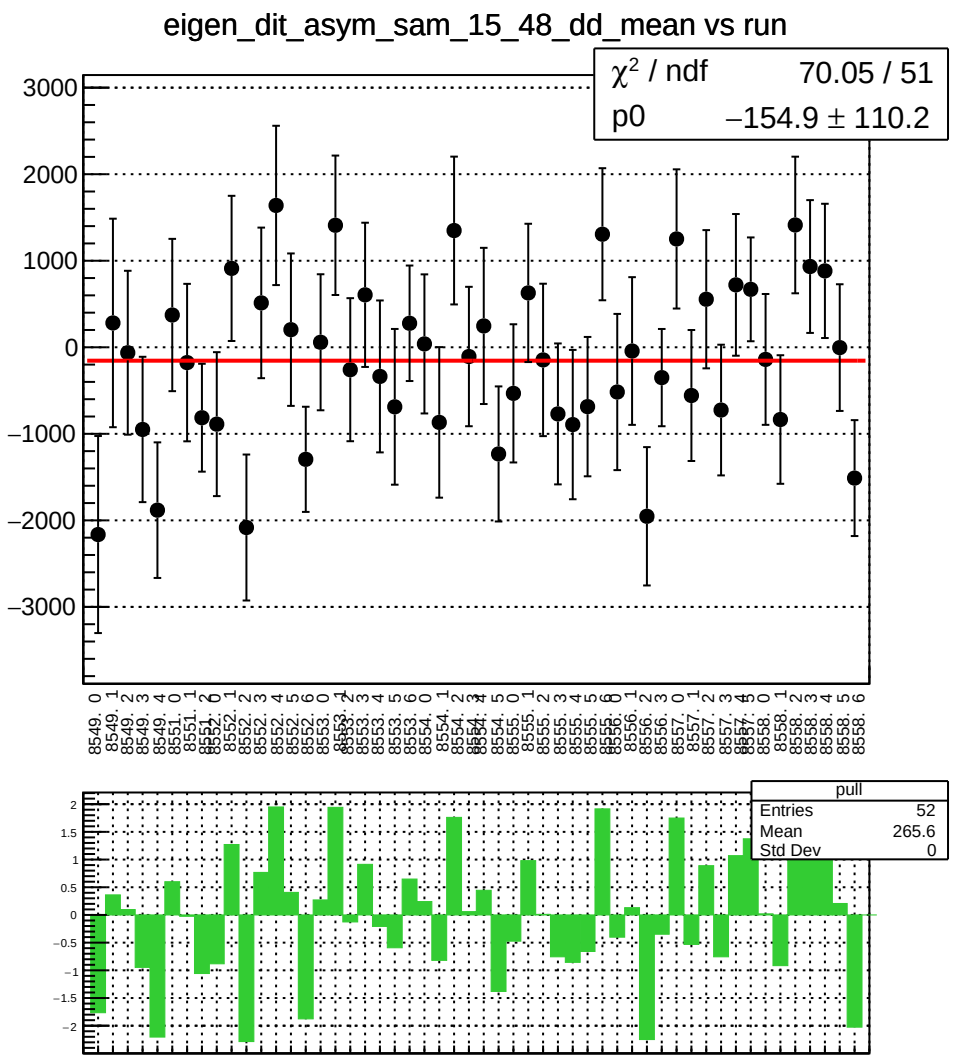
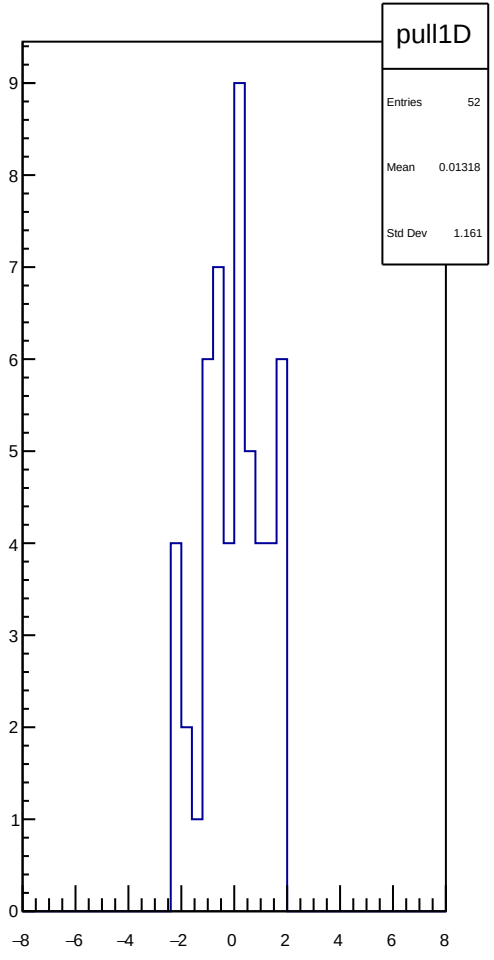
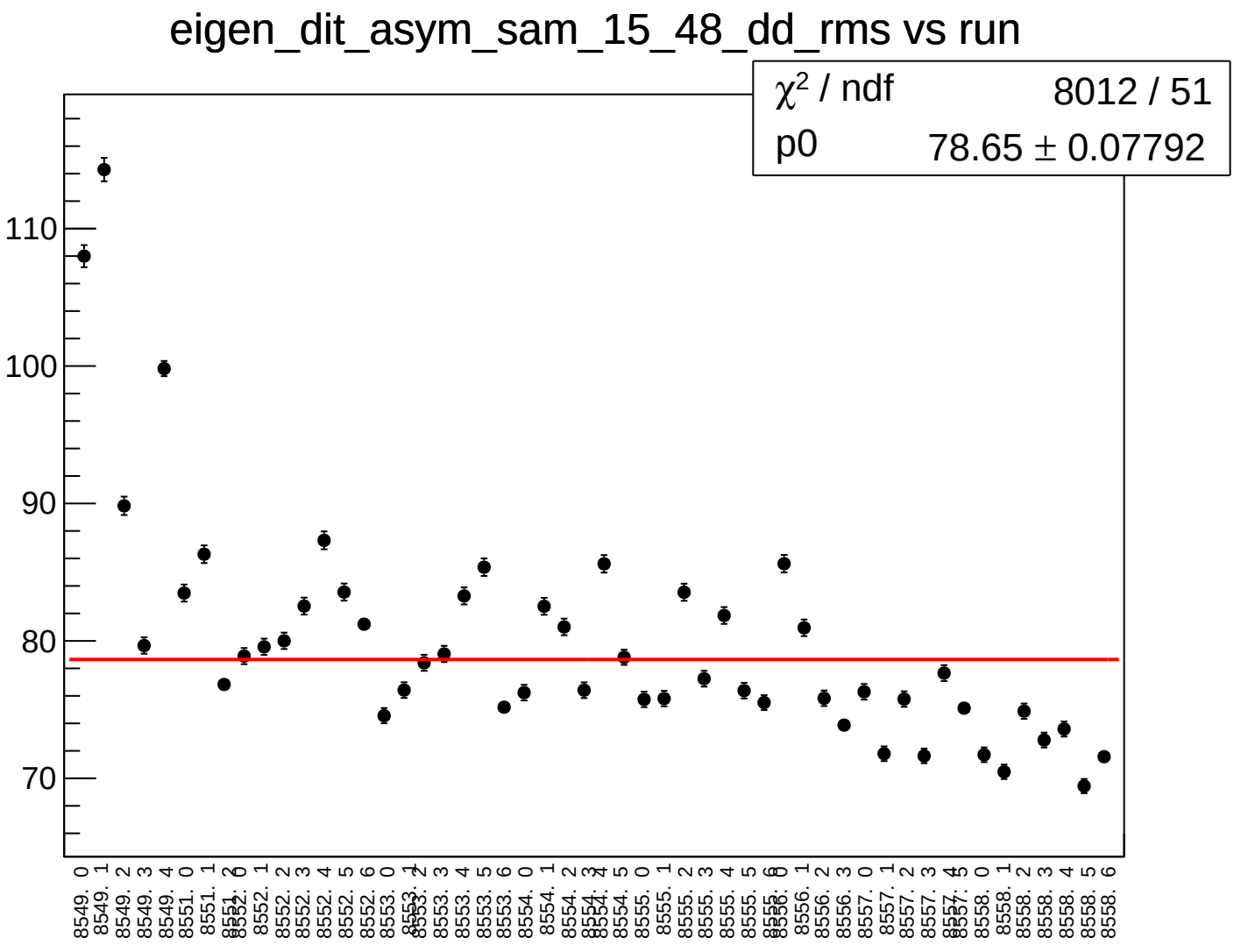
8558. 6


eigen_dit_asym_sam_15_48_dd_mean vs run
χ² / ndf 70.05 / 51
p0 −154.9 ± 110.2
pull
Entries 52
Mean 265.6
Std Dev 0


pull1D
Entries 52
Mean 0.01318
Std Dev 1.161


eigen_dit_asym_sam_15_48_dd_rms vs run
χ² / ndf 8012 / 51
p0 78.65 ± 0.07792
110
100
90
80
70
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
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8553. 0
8553. 3
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8553. 5
8553. 6
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8557. 3
8558. 0
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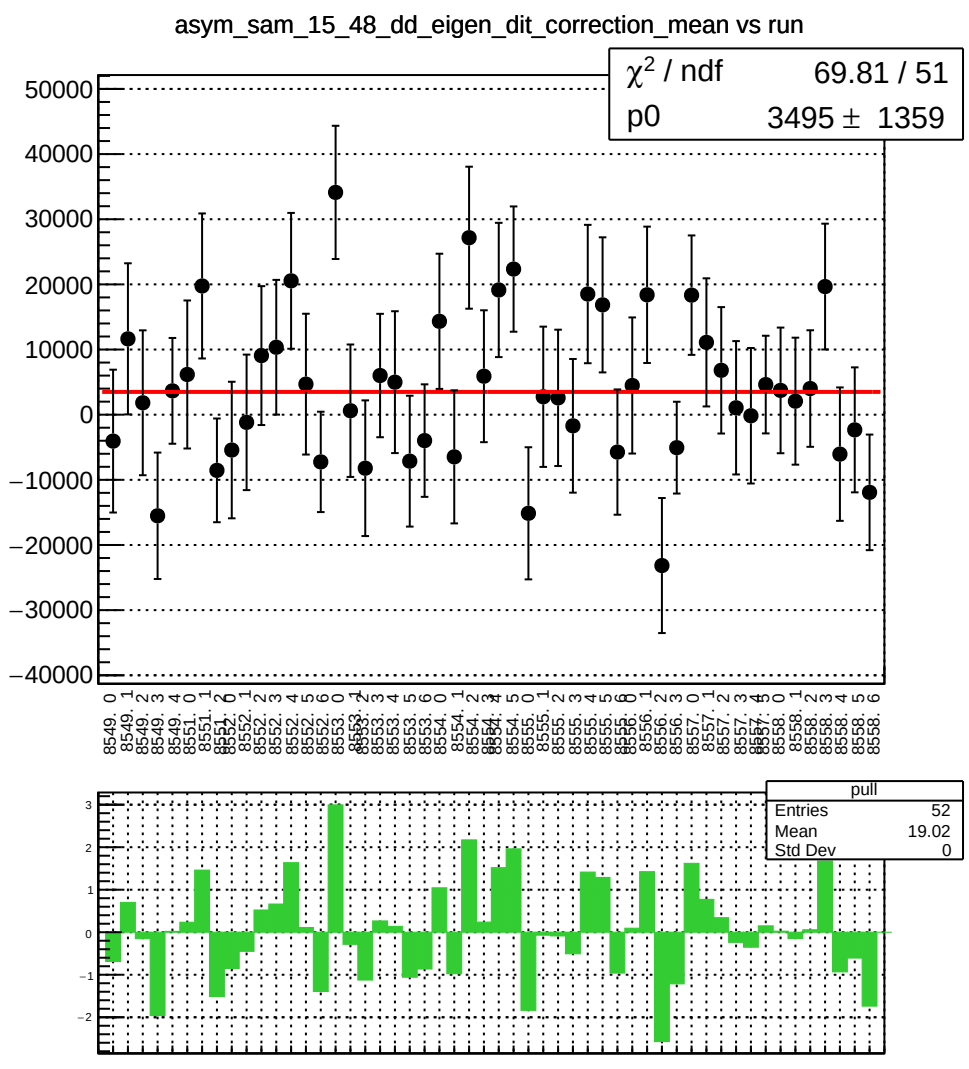
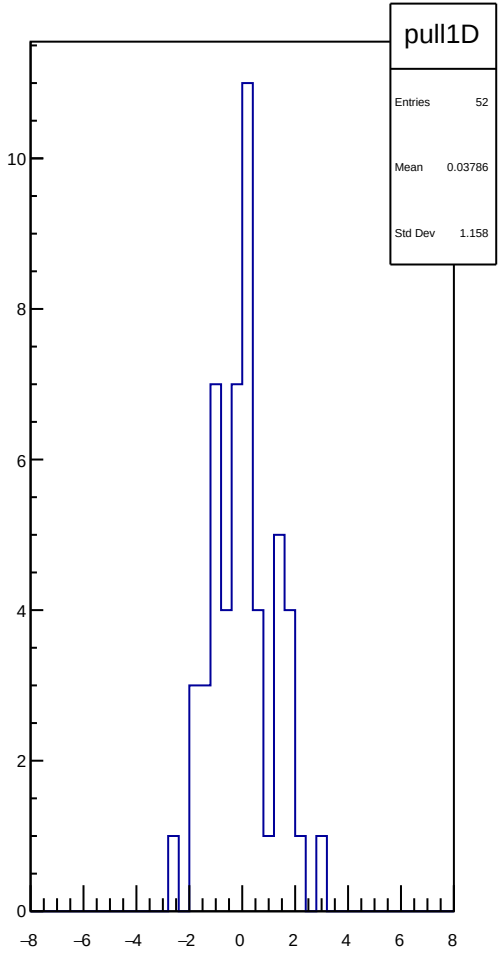
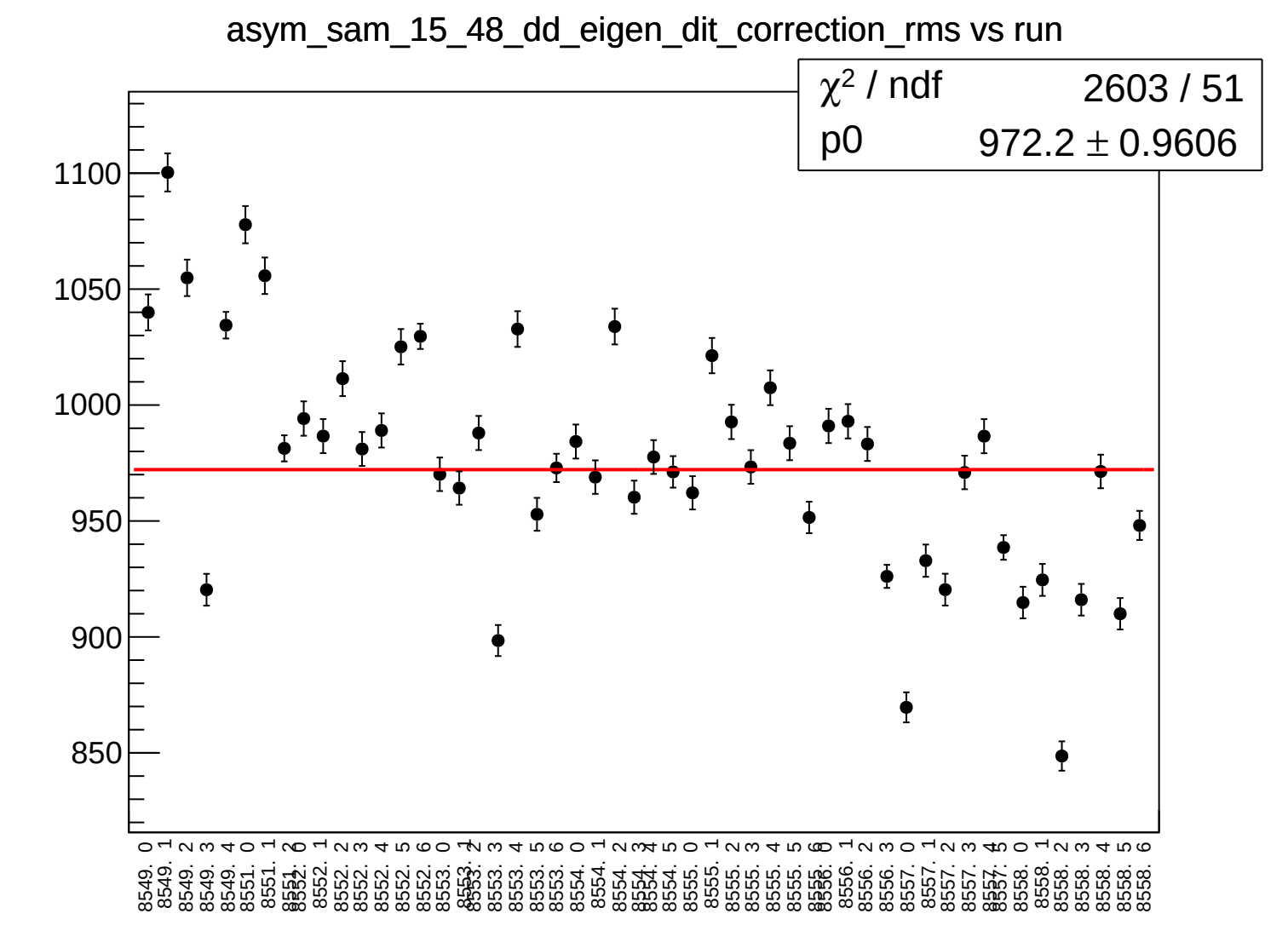

asym_sam_15_48_dd_eigen_dit_correction_mean vs run
χ² / ndf 69.81 / 51
p0 3495 ± 1359
pull
Entries 52
Mean 19.02
Std Dev 0


pull1D
Entries 52
Mean 0.03786
Std Dev 1.158


asym_sam_15_48_dd_eigen_dit_correction_rms vs run
χ² / ndf 2603 / 51
p0 972.2 ± 0.9606
1100
1050
1000
950
900
850
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
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8554. 2
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8556. 1
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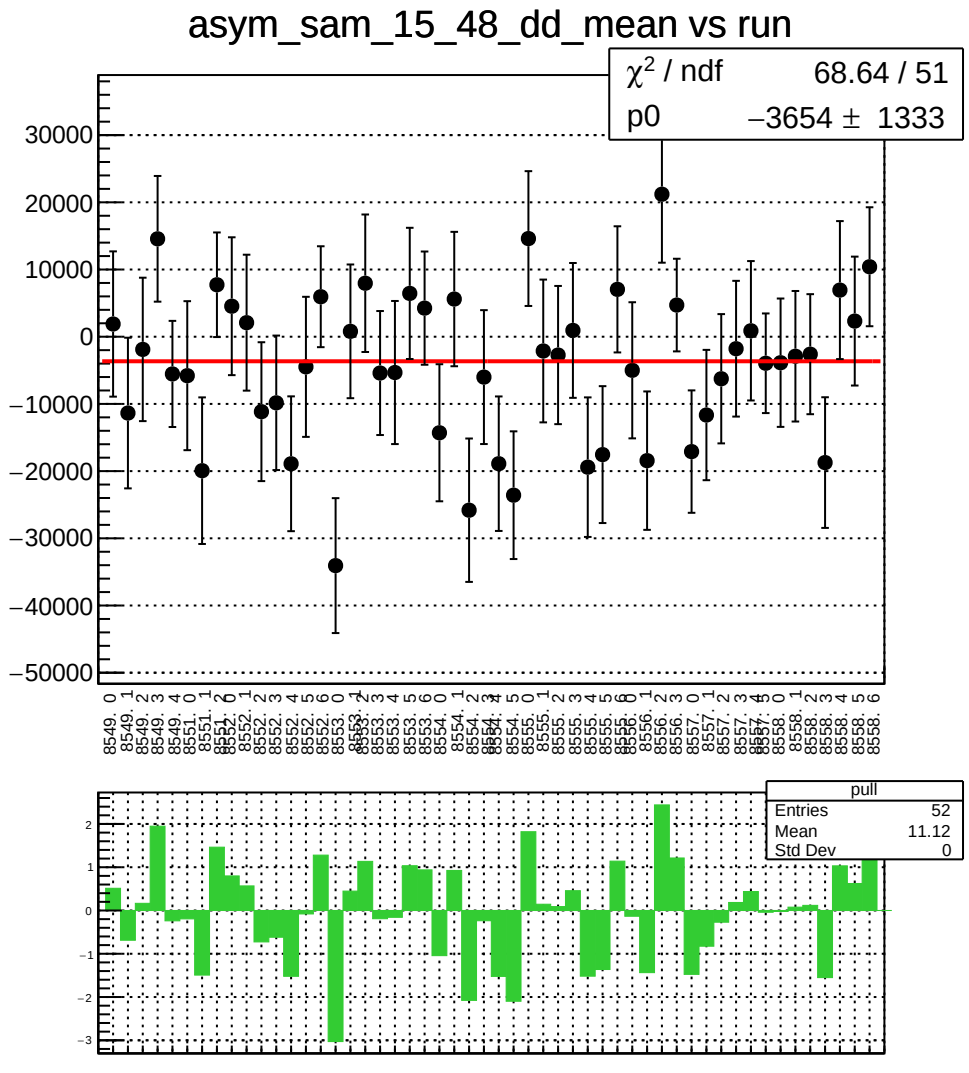
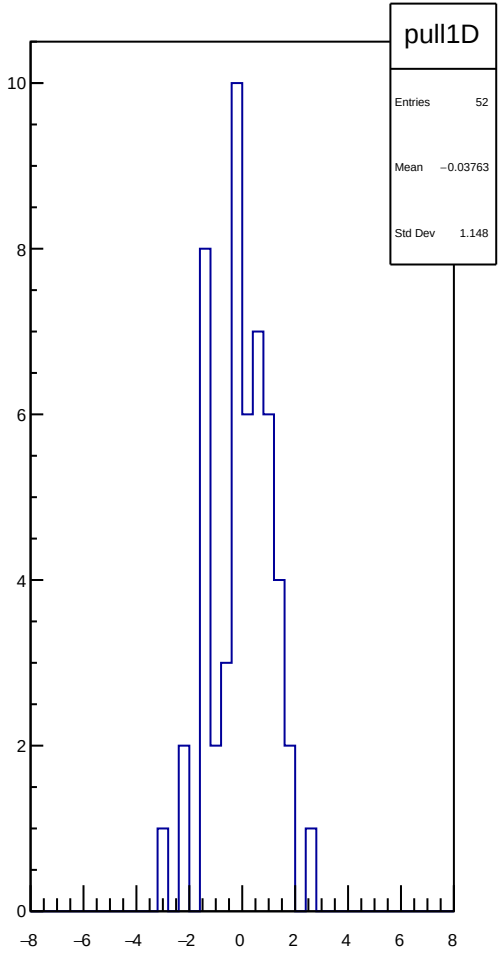
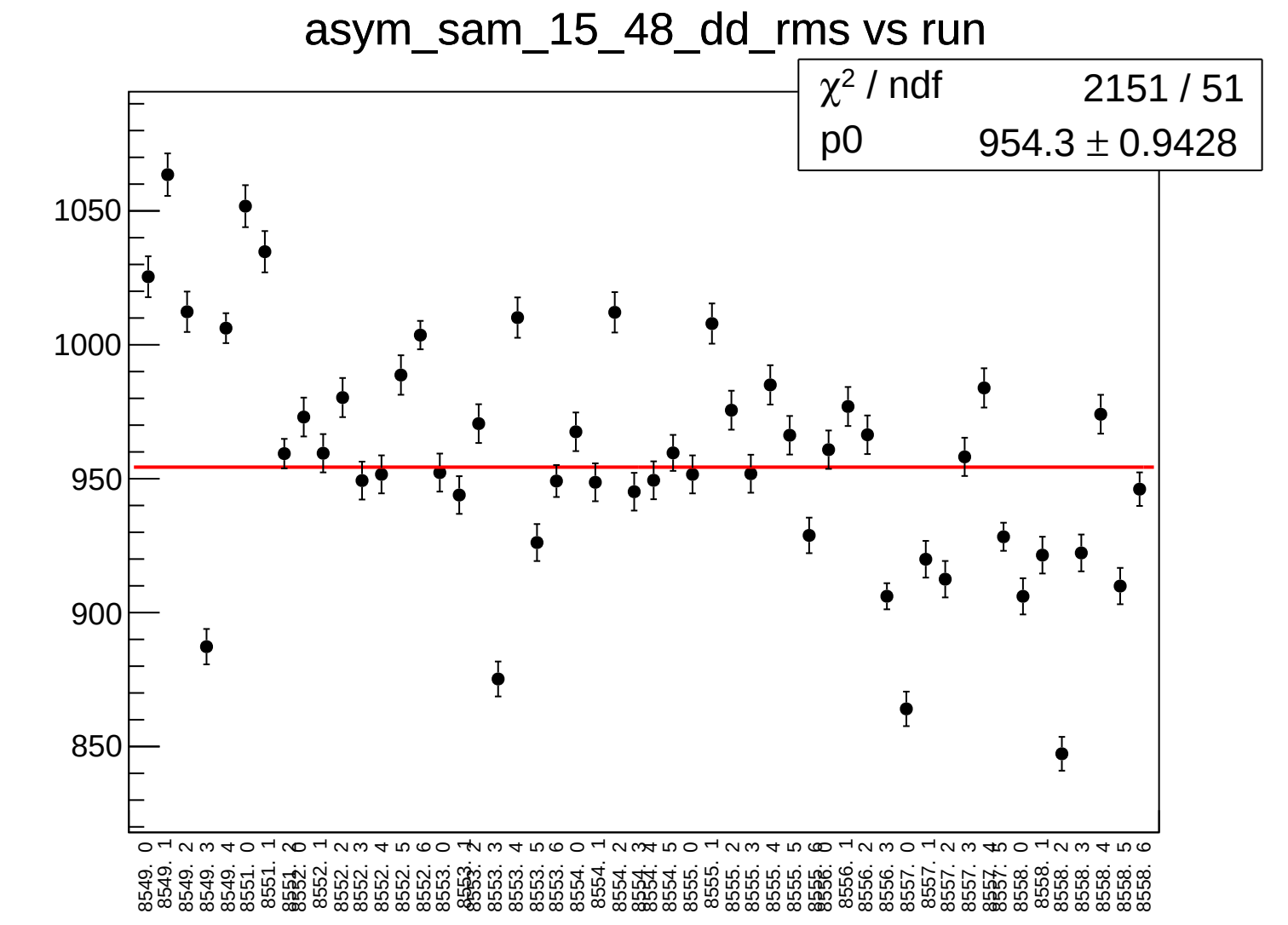
8558. 6


asym_sam_15_48_dd_mean vs run
χ² / ndf 68.64 / 51
p0 −3654 ± 1333
pull
Entries 52
Mean 11.12
Std Dev 0


pull1D
Entries 52
Mean −0.03763
Std Dev 1.148


asym_sam_15_48_dd_rms vs run
χ² / ndf 2151 / 51
p0 954.3 ± 0.9428
1050
1000
950
900
850
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
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8557. 0
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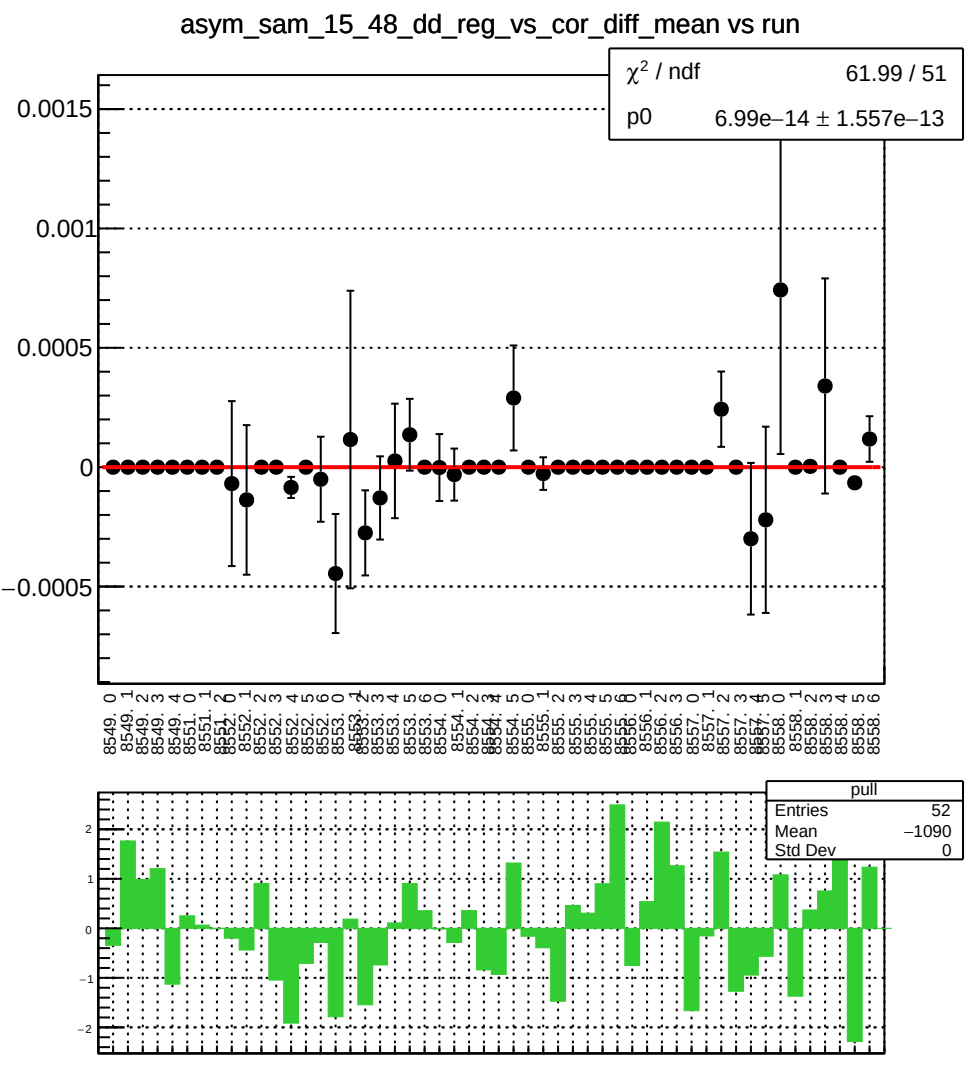
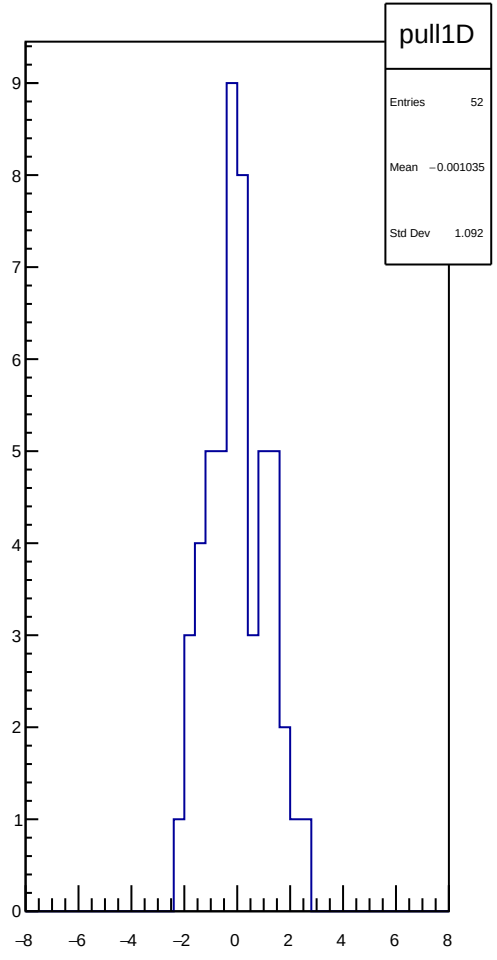
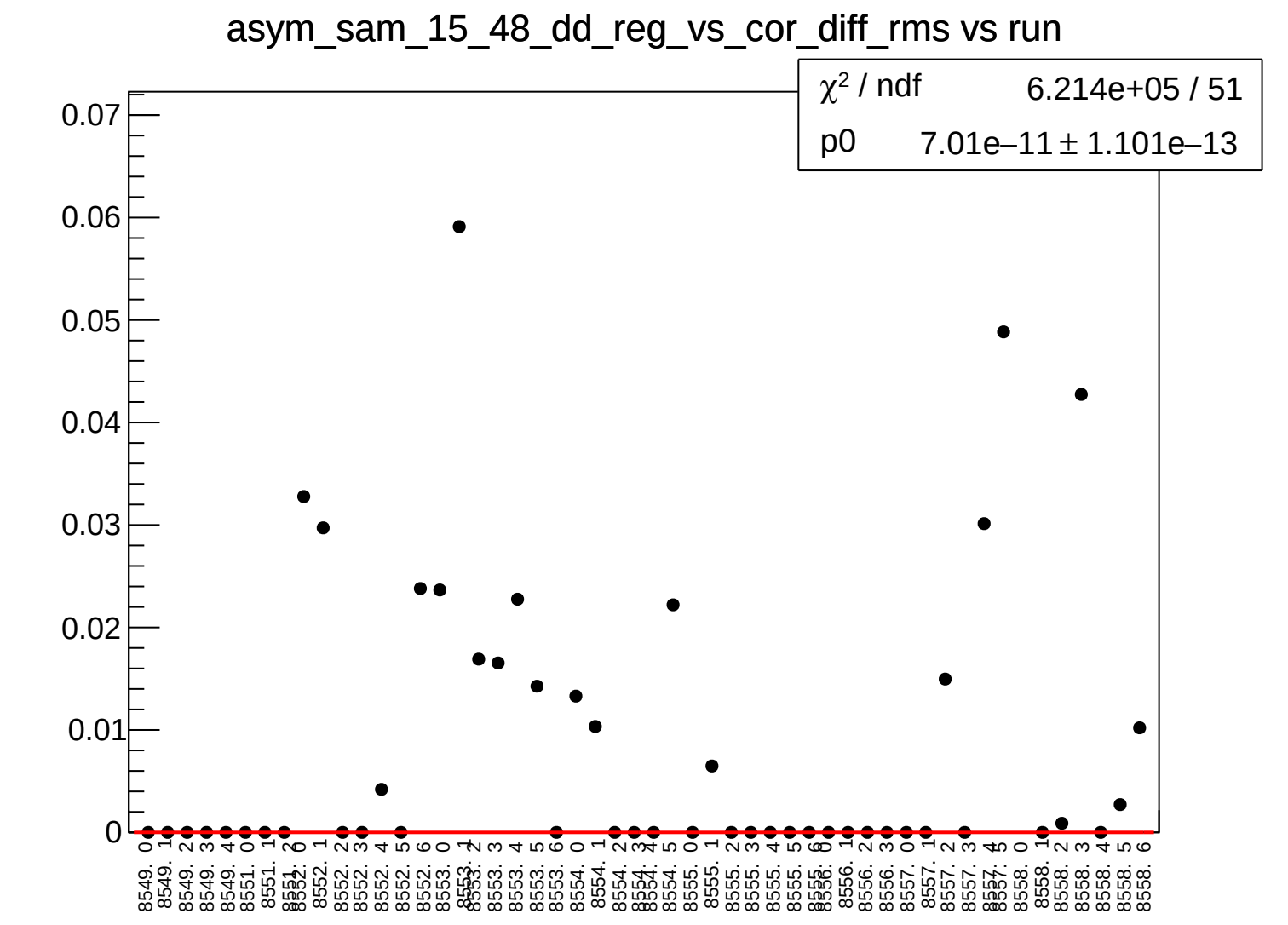
8558. 6


asym_sam_15_48_dd_reg_vs_cor_diff_mean vs run
χ² / ndf 61.99 / 51
p0 6.99e−14 ± 1.557e−13
0.0015
0.001
0.0005
0
−0.0005
pull
Entries 52
Mean −1090
Std Dev 0


pull1D
Entries 52
Mean −0.001035
Std Dev 1.092


asym_sam_15_48_dd_reg_vs_cor_diff_rms vs run
χ² / ndf 6.214e+05 / 51
p0 7.01e−11 ± 1.101e−13
0.07
0.06
0.05
0.04
0.03
0.02
0.01
0
8549. 0
8549. 1
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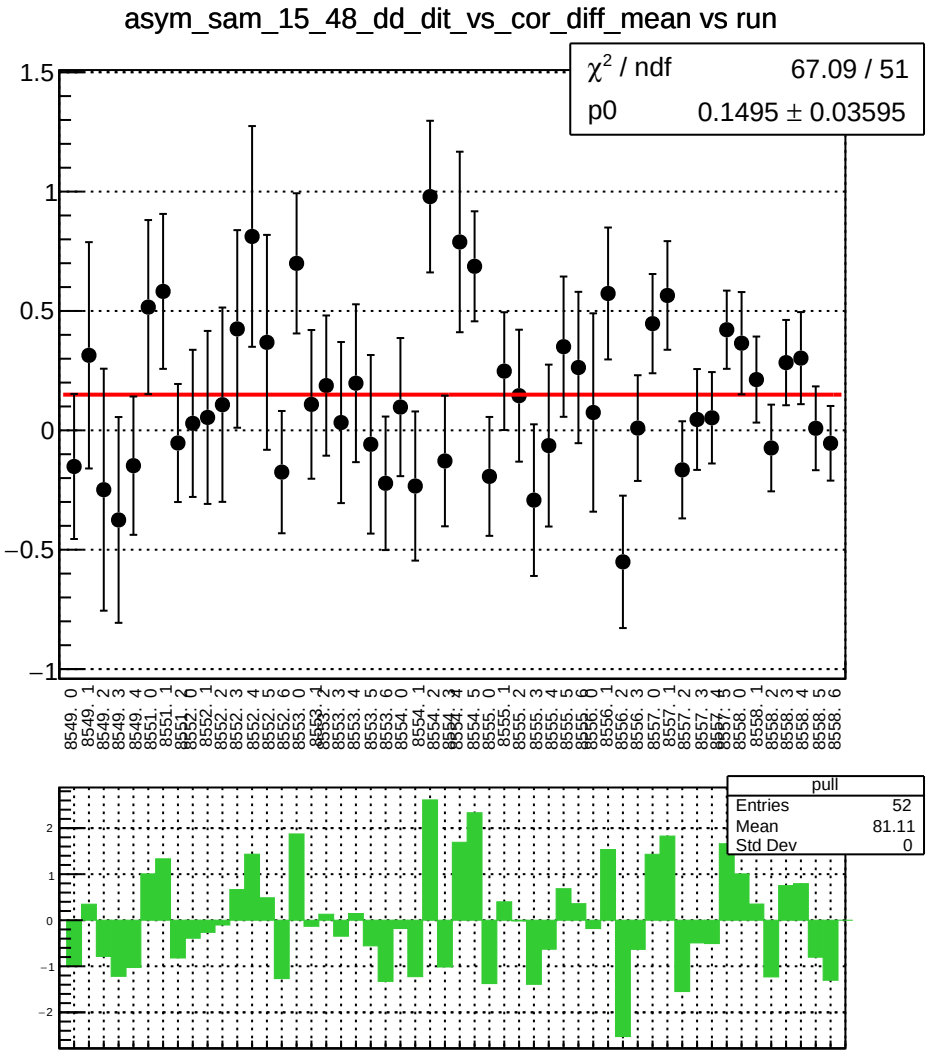
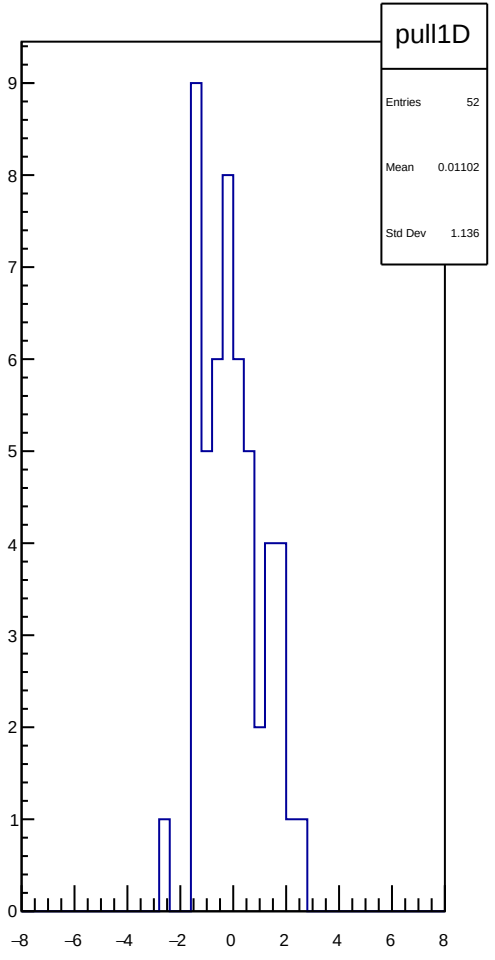
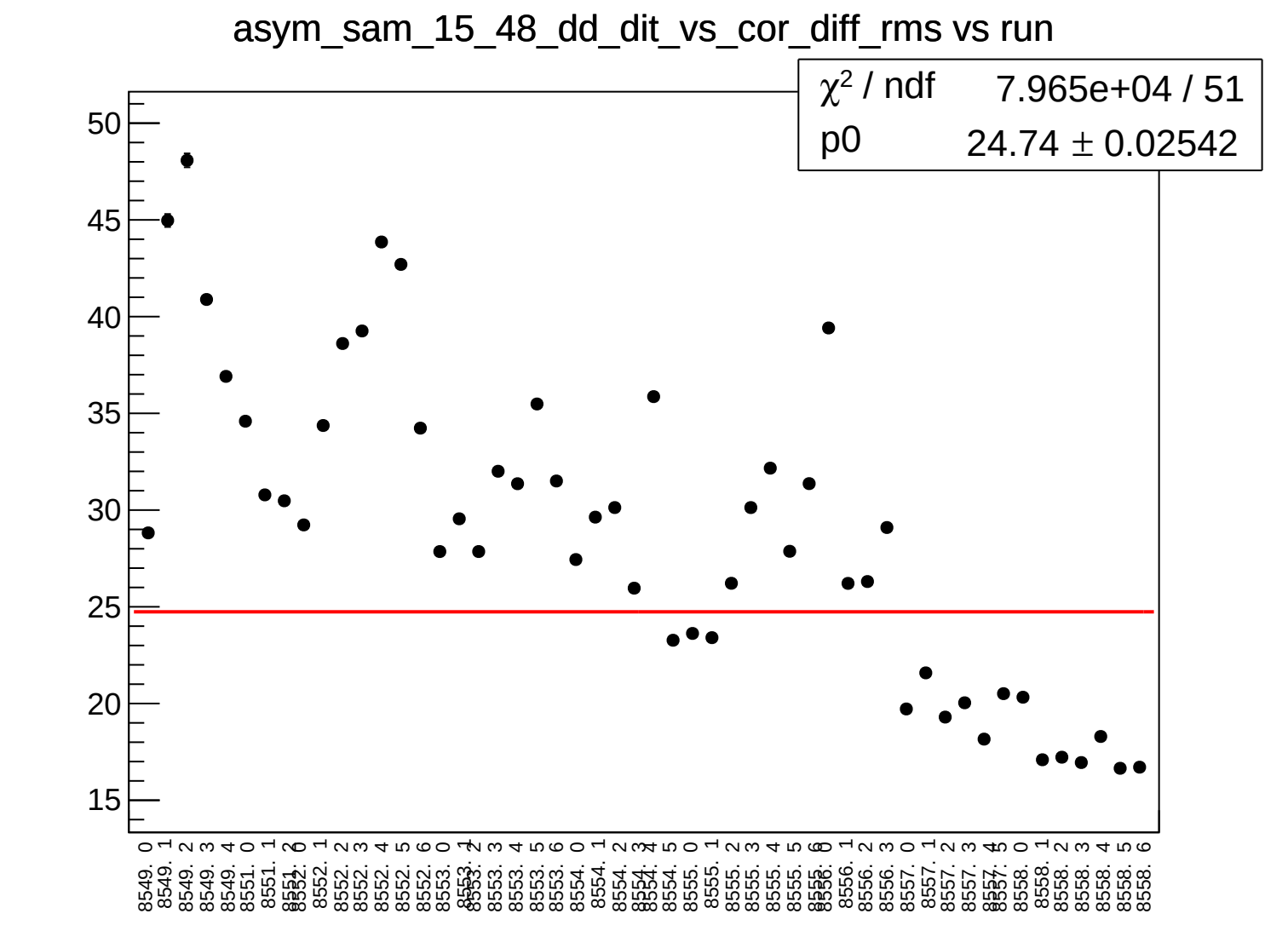
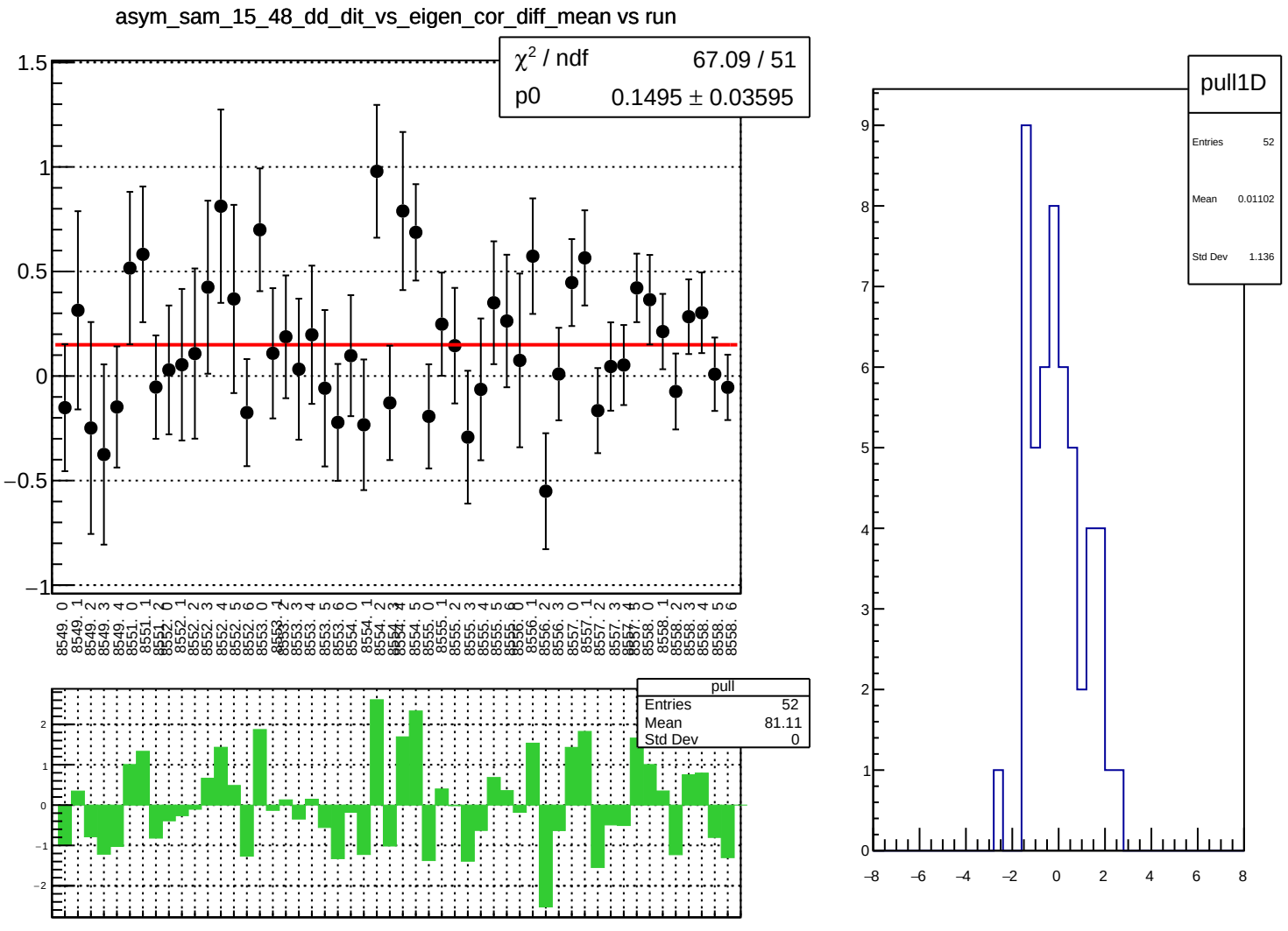
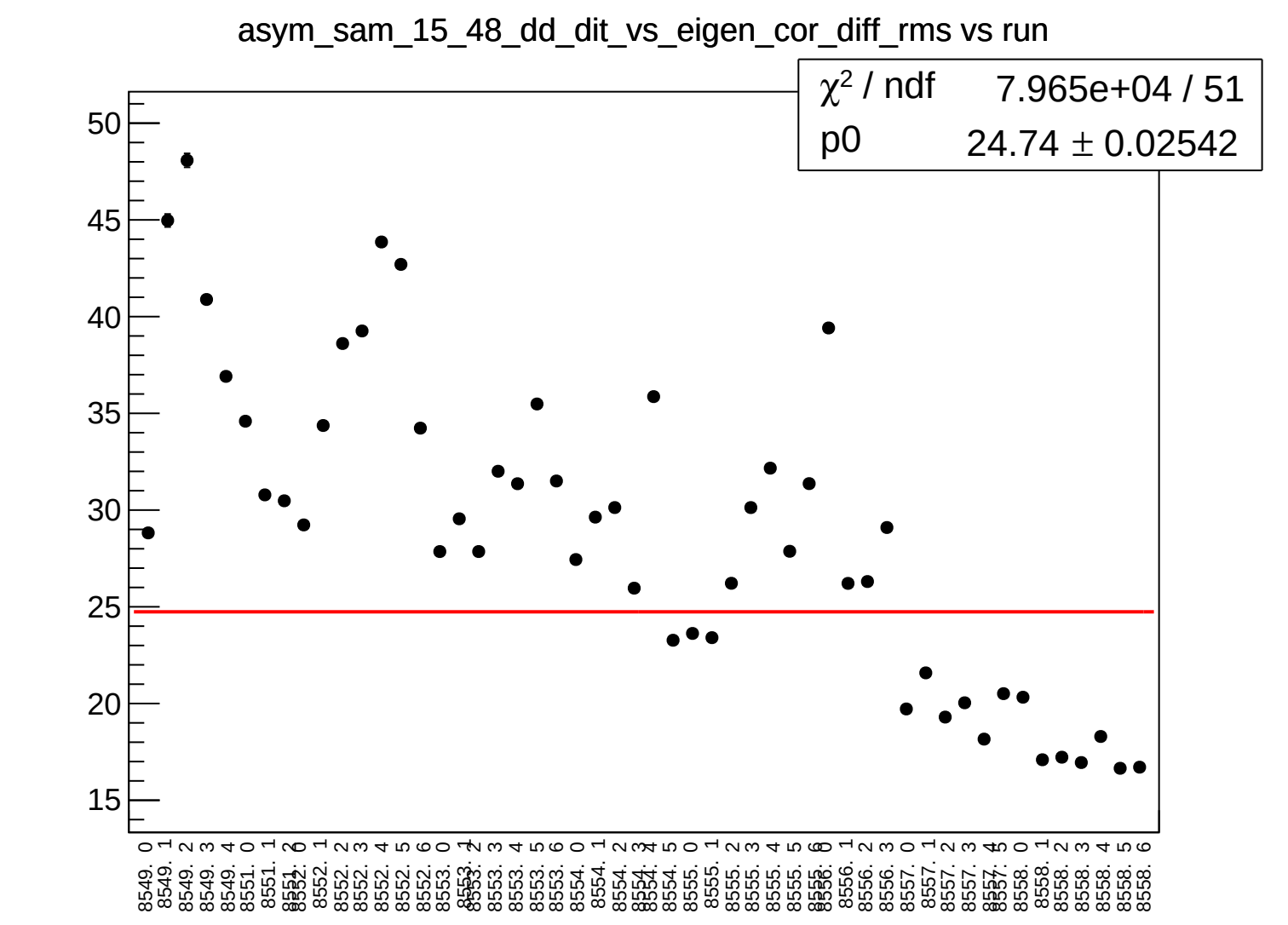
8558. 6


asym_sam_15_48_dd_dit_vs_cor_diff_mean vs run
χ² / ndf 67.09 / 51
p0 0.1495 ± 0.03595
pull
Entries 52
Mean 81.11
Std Dev 0


pull1D
Entries 52
Mean 0.01102
Std Dev 1.136


asym_sam_15_48_dd_dit_vs_cor_diff_rms vs run
χ² / ndf 7.965e+04 / 51
p0 24.74 ± 0.02542
50
45
40
35
30
25
20
15
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 5
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6


asym_sam_15_48_dd_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 67.09 / 51
p0 0.1495 ± 0.03595
pull
Entries 52
Mean 81.11
Std Dev 0
pull1D
Entries 52
Mean 0.01102
Std Dev 1.136


asym_sam_15_48_dd_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 7.965e+04 / 51
p0 24.74 ± 0.02542
50
45
40
35
30
25
20
15
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 5
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
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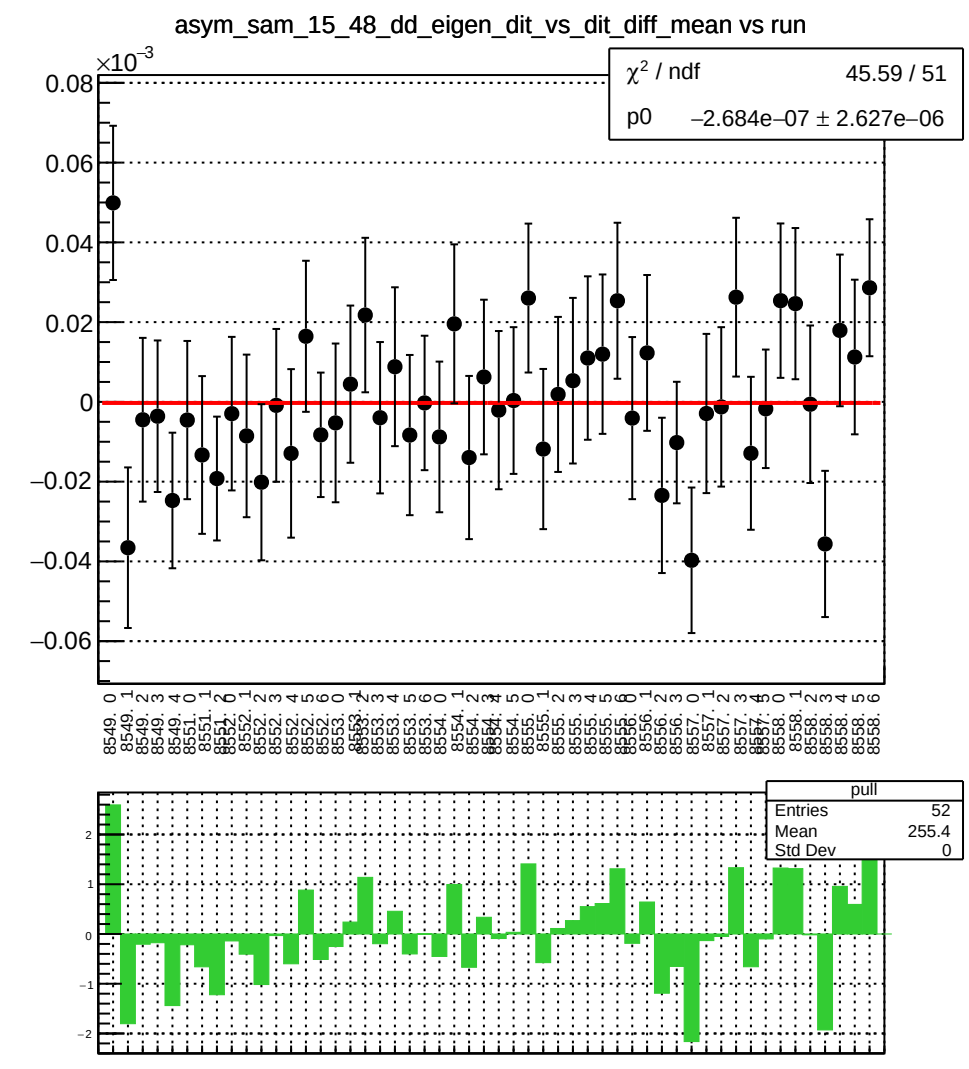
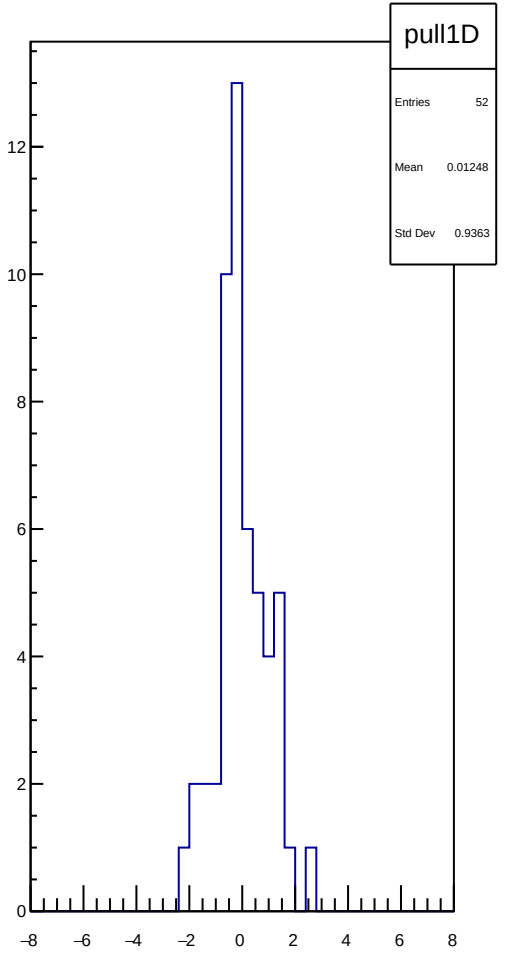
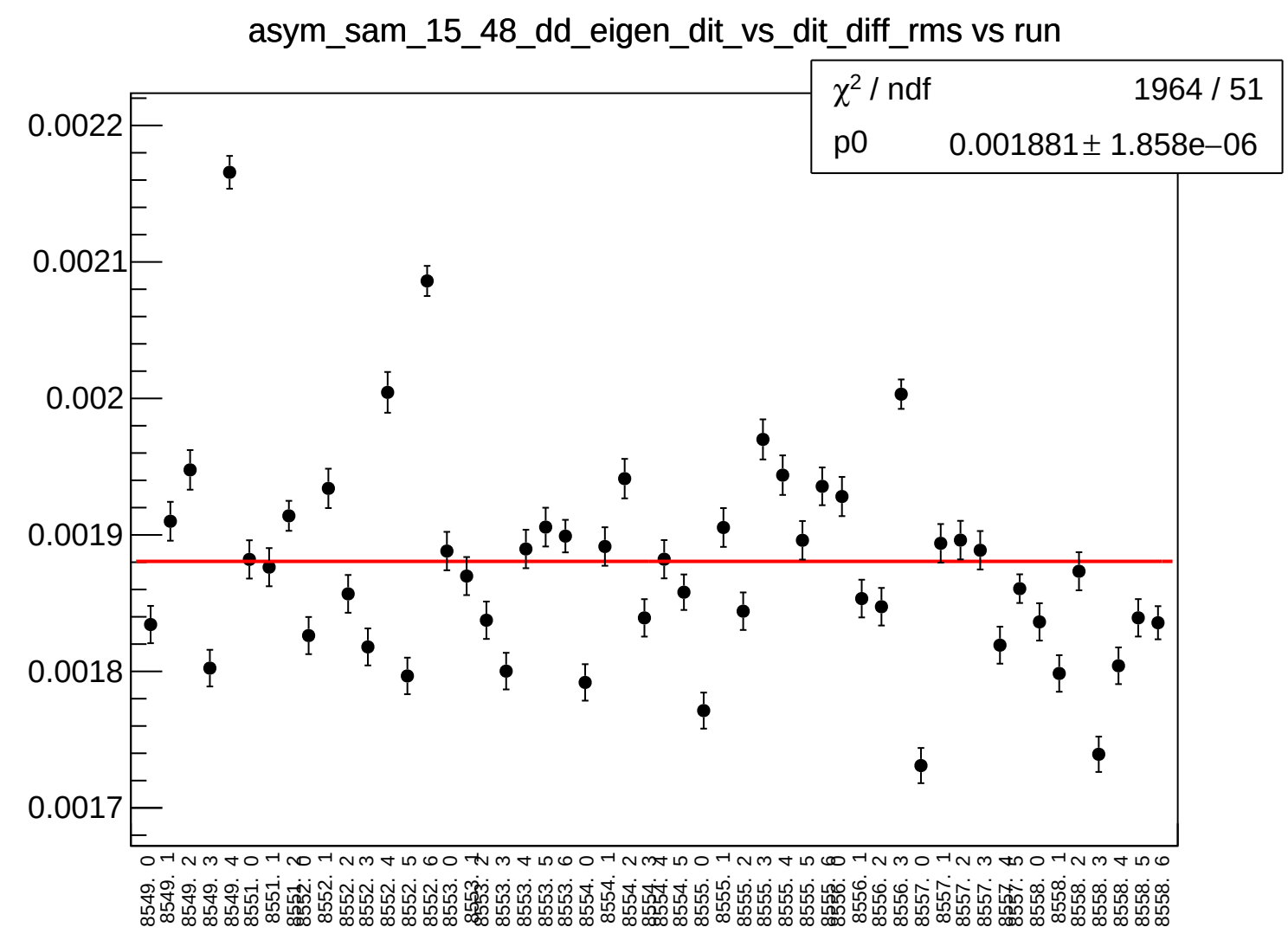
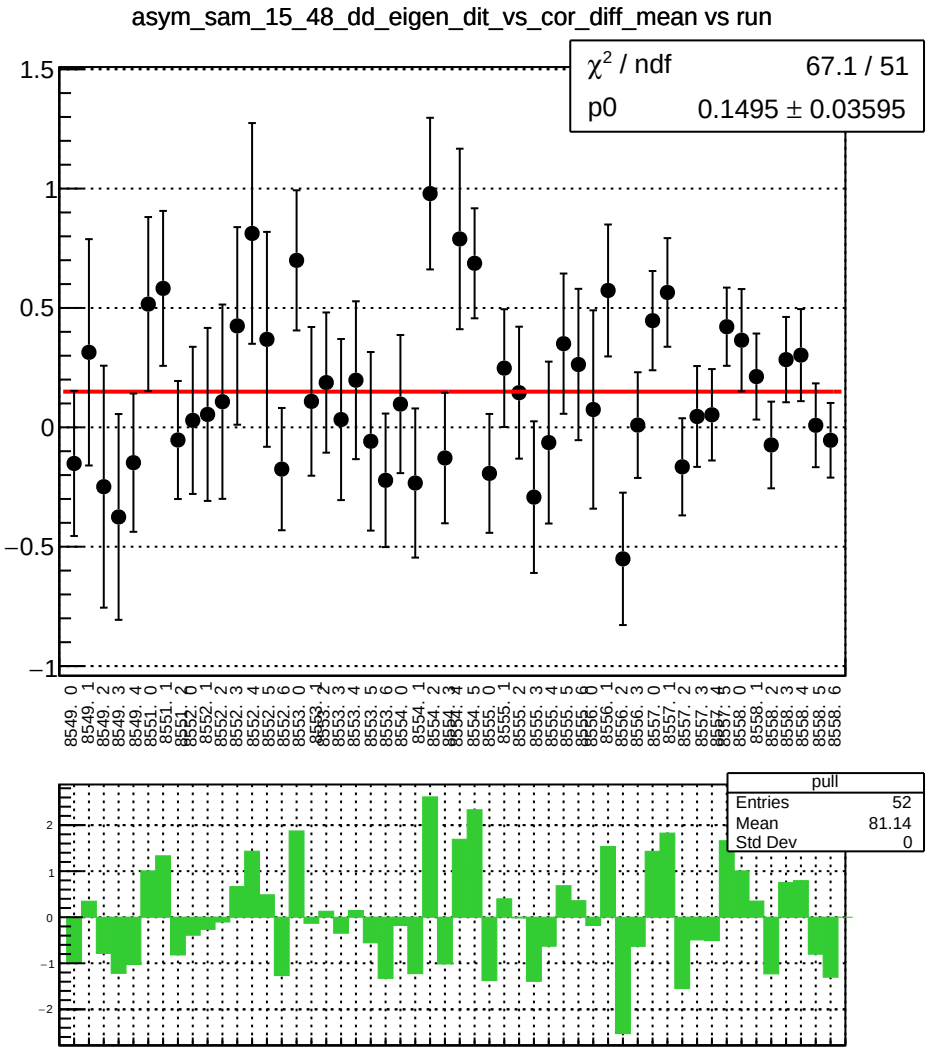
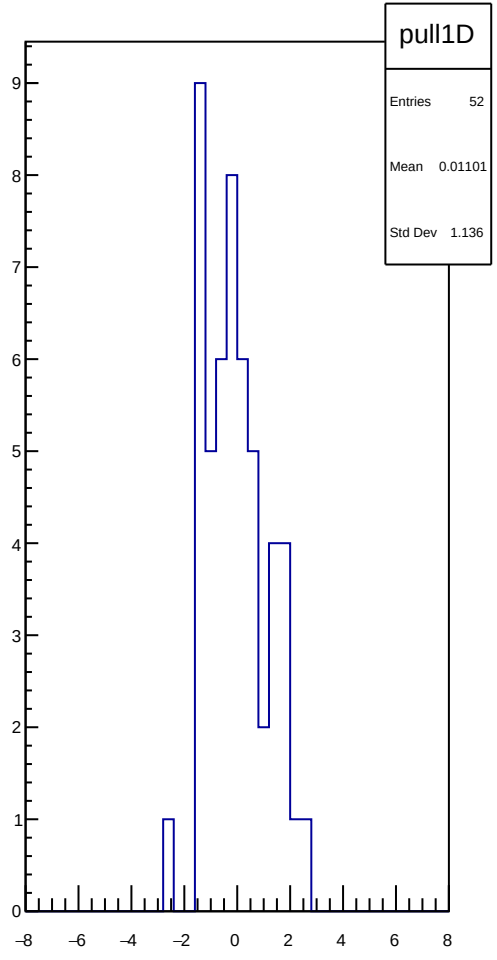
8558. 5
8558. 6

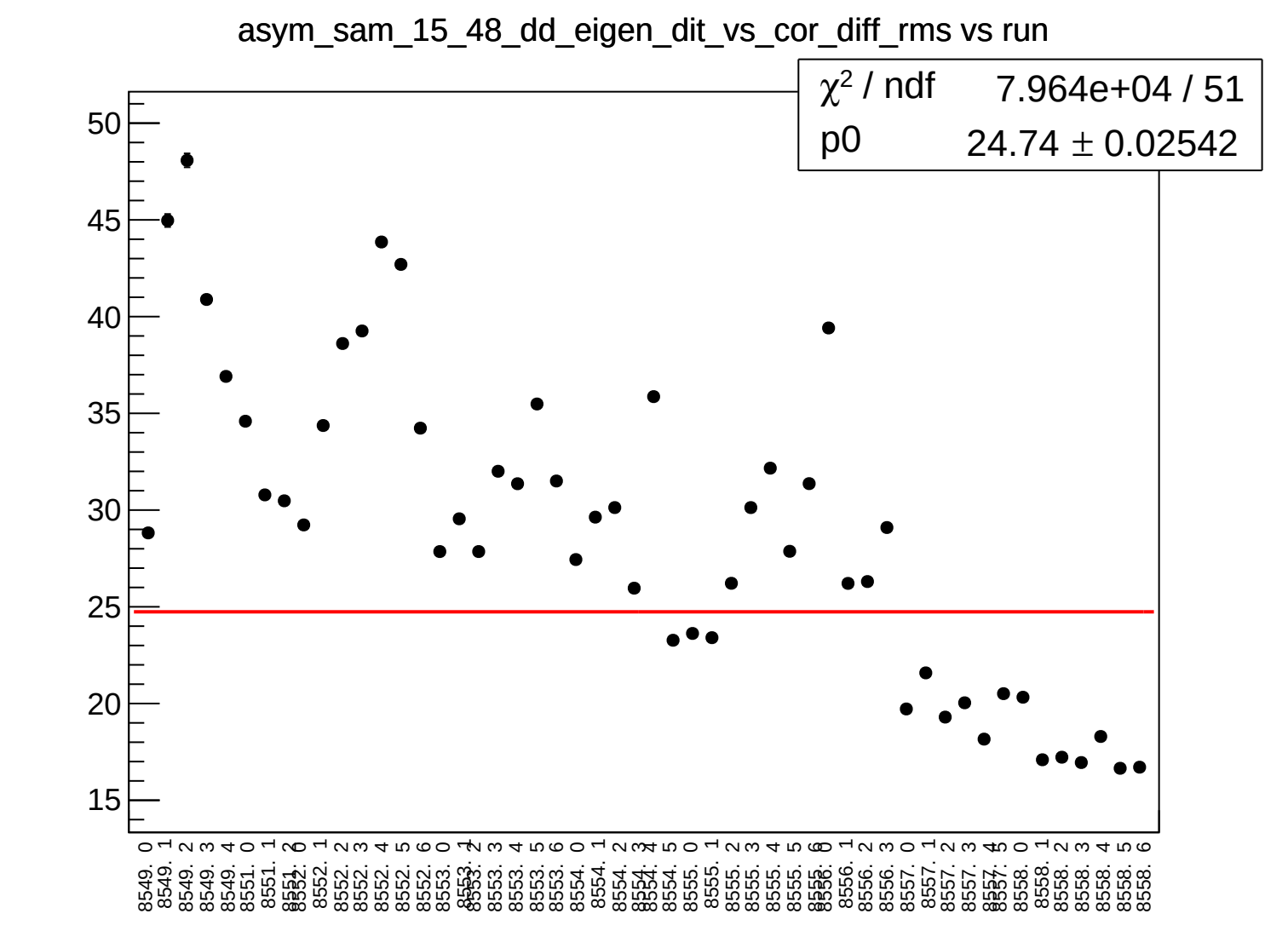

asym_sam_15_48_dd_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 45.59 / 51
p0 −2.684e−07 ± 2.627e−06
pull
Entries 52
Mean 255.4
Std Dev 0

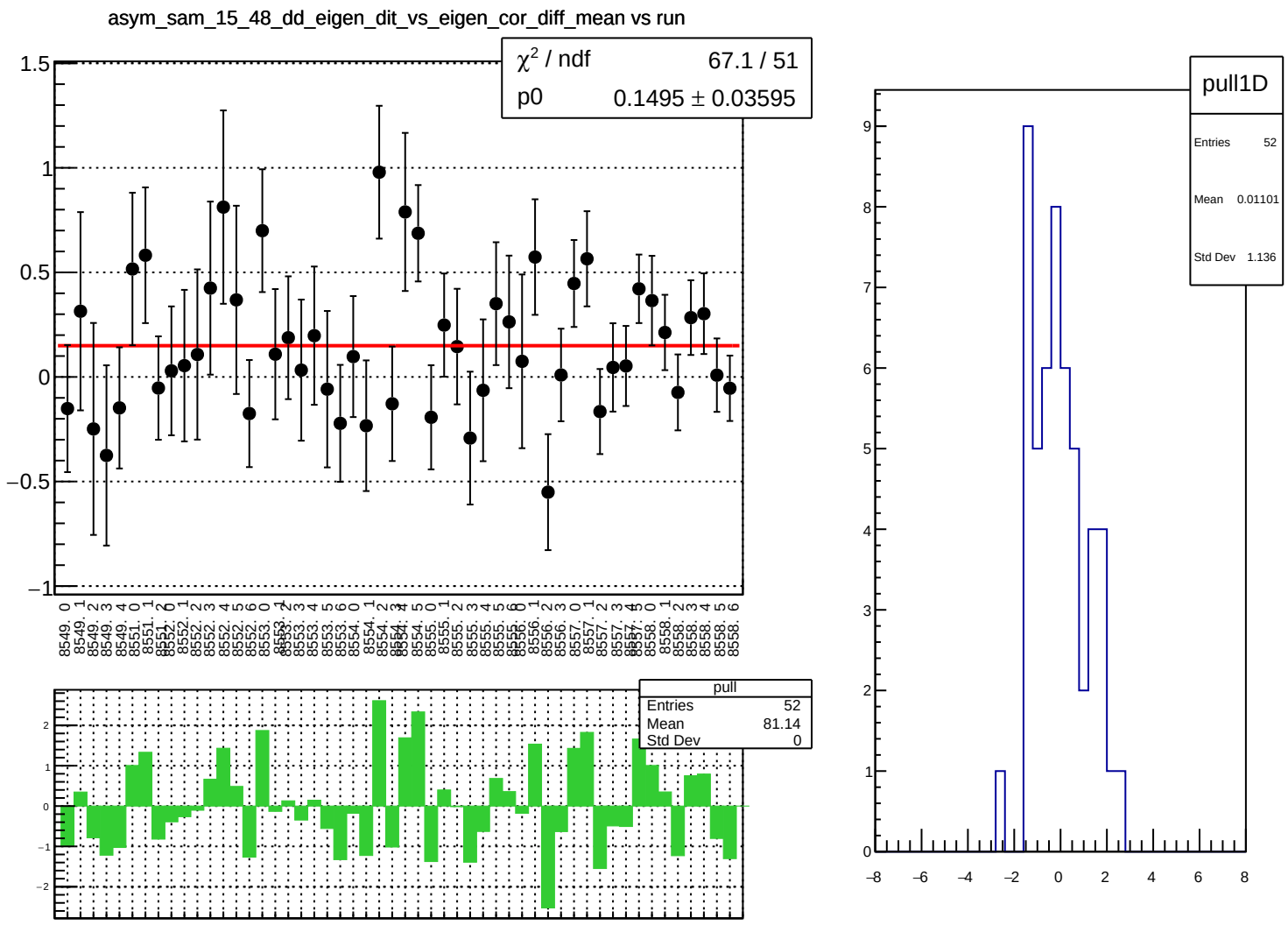

pull1D
Entries 52
Mean 0.01248
Std Dev 0.9363

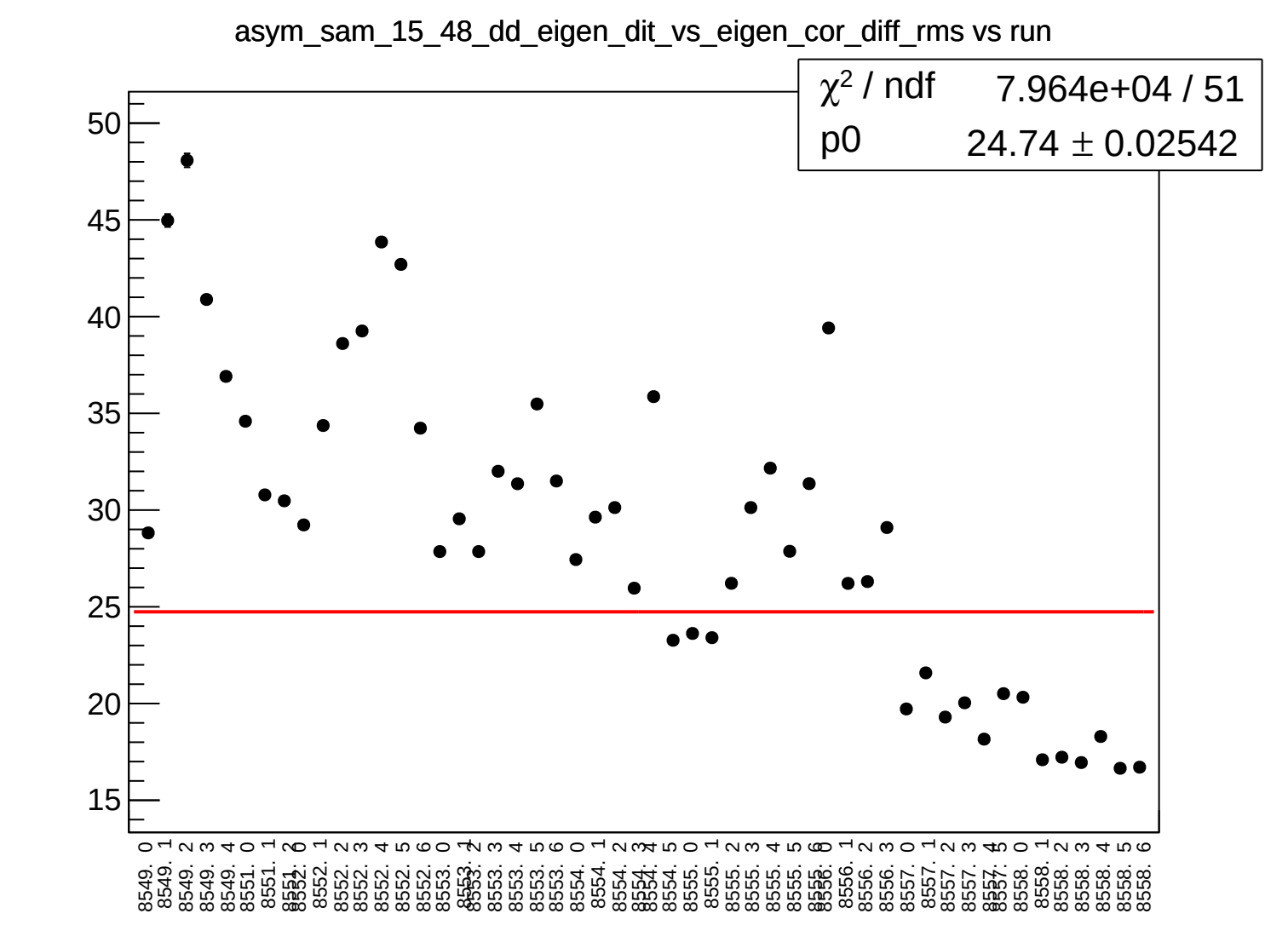

asym_sam_15_48_dd_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 1964 / 51
p0 0.001881 ± 1.858e−06
0.0022
0.0021
0.002
0.0019
0.0018
0.0017
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

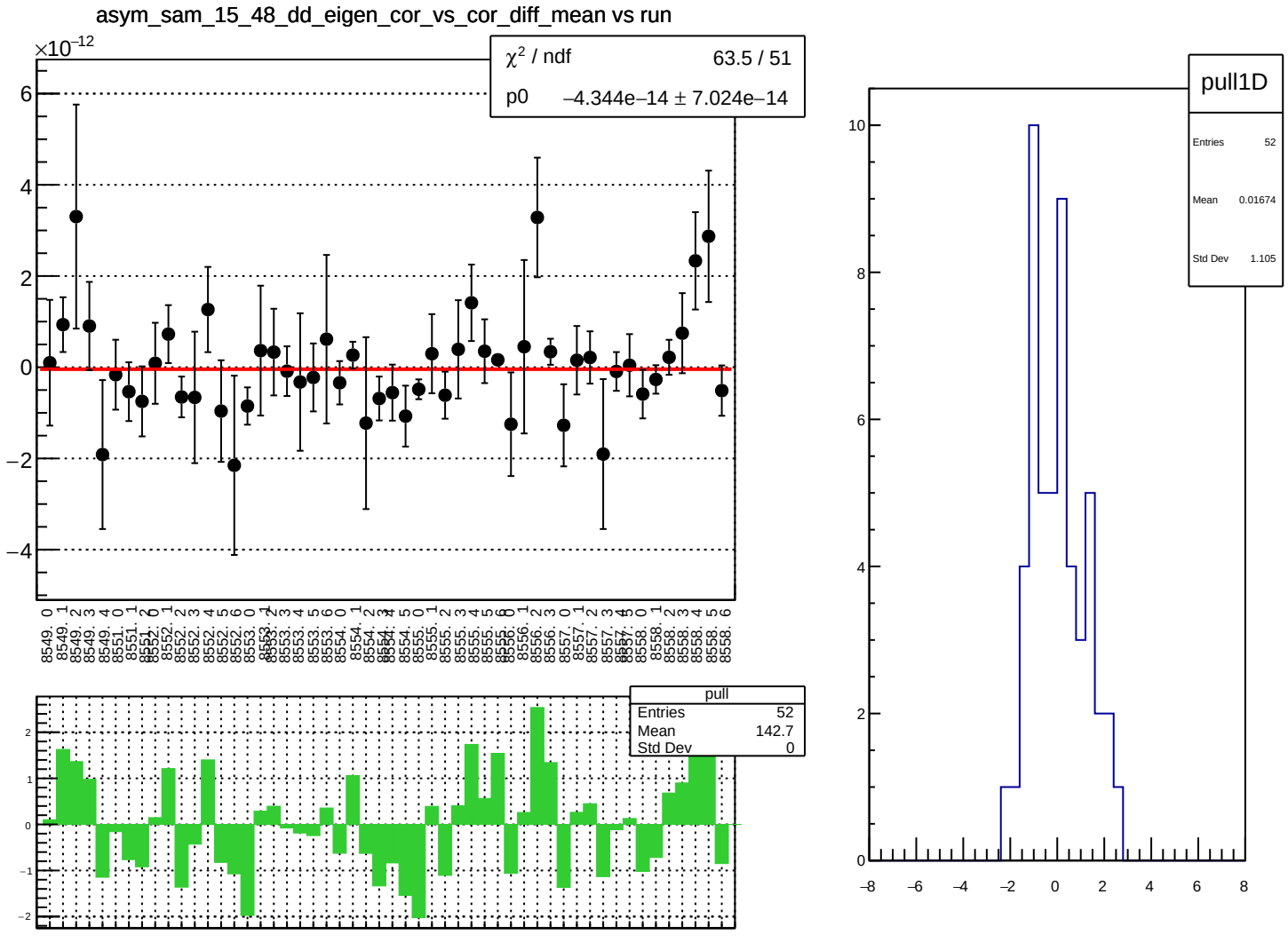

asym_sam_15_48_dd_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 67.1 / 51
p0 0.1495 ± 0.03595
pull
Entries 52
Mean 81.14
Std Dev 0

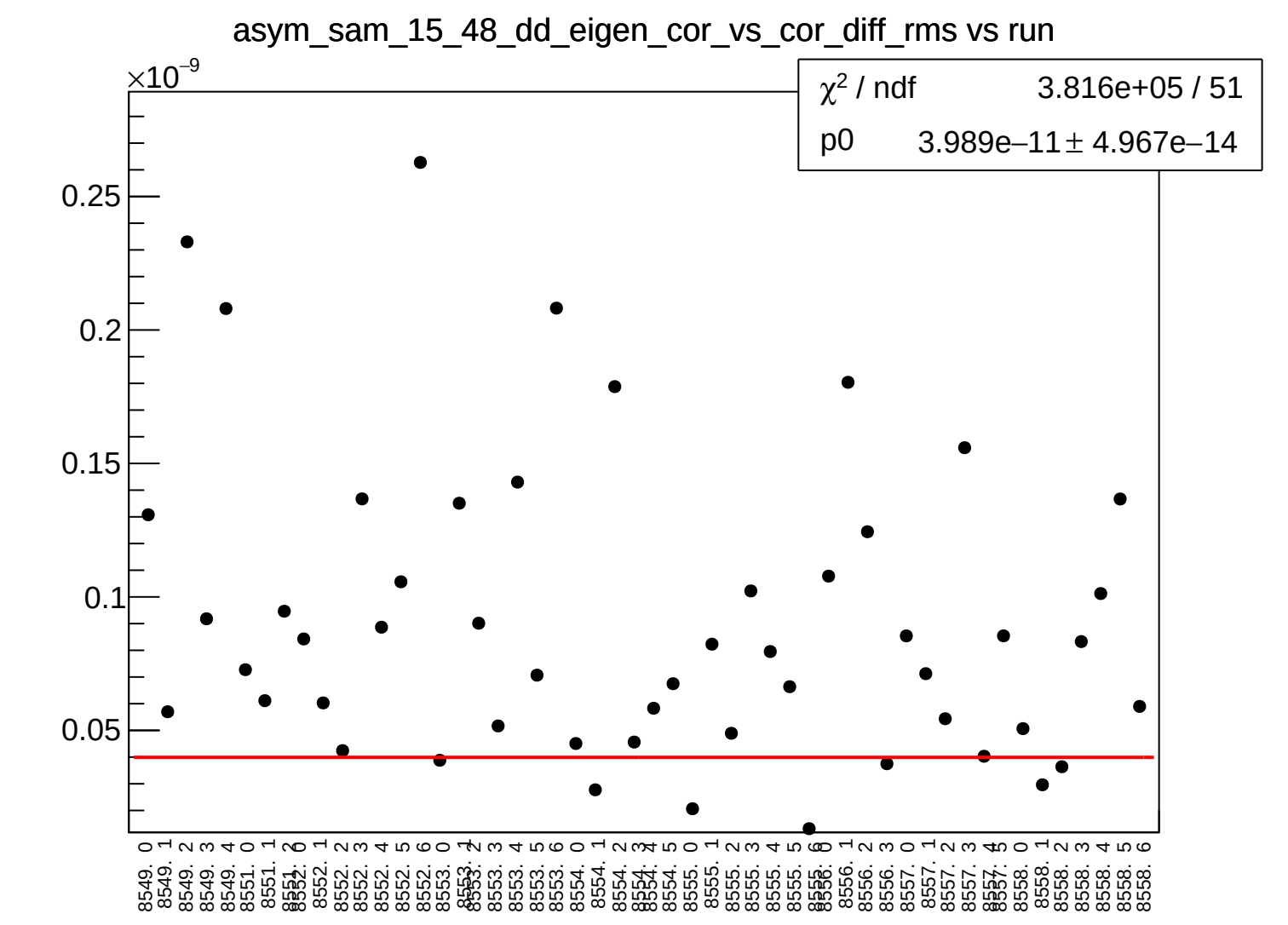

pull1D
Entries 52
Mean 0.01101
Std Dev 1.136

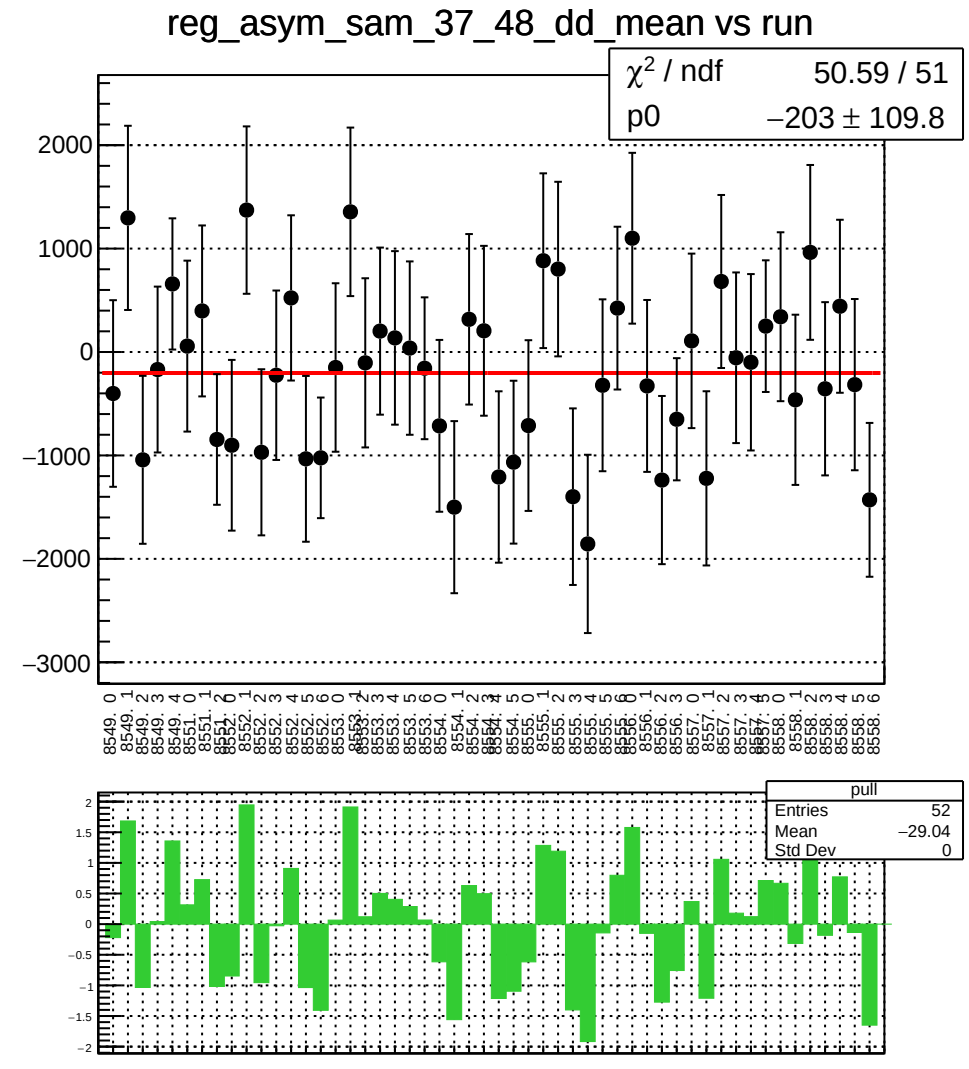

asym_sam_15_48_dd_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 7.964e+04 / 51
p0 24.74 ± 0.02542
50
45
40
35
30
25
20
15
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 5
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

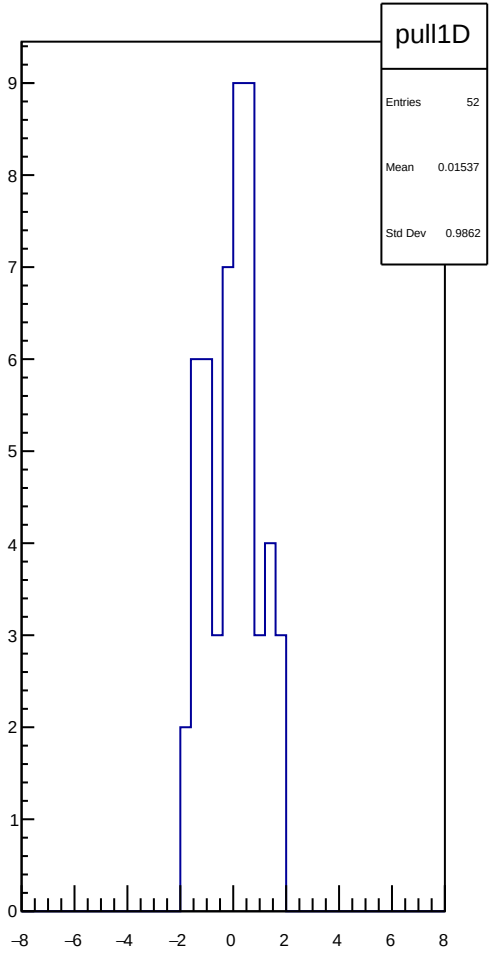

asym_sam_15_48_dd_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 67.1 / 51
p0 0.1495 ± 0.03595
pull
Entries 52
Mean 81.14
Std Dev 0
pull1D
Entries 52
Mean 0.01101
Std Dev 1.136

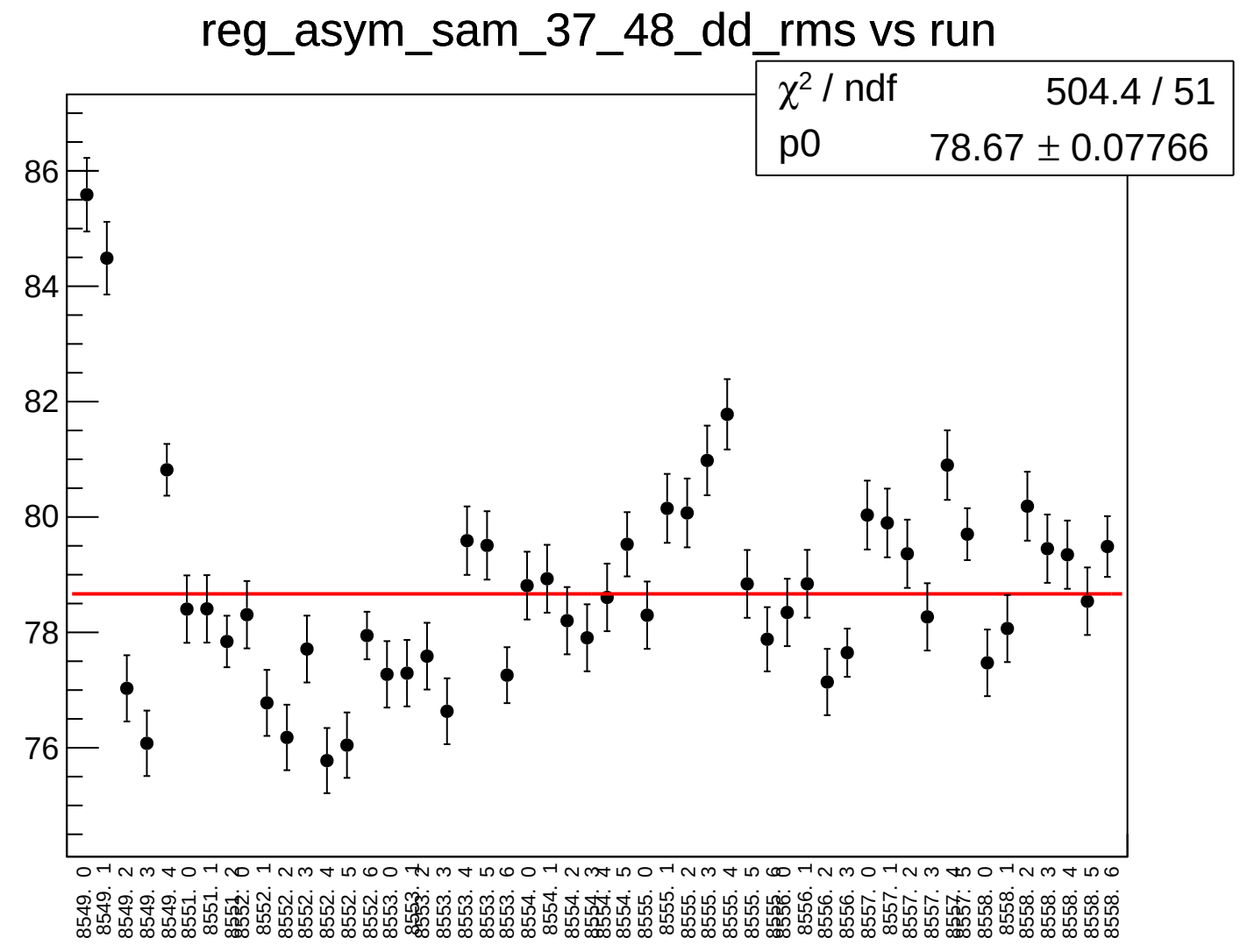

asym_sam_15_48_dd_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 7.964e+04 / 51
p0 24.74 ± 0.02542
50
45
40
35
30
25
20
15
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 5
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6


asym_sam_15_48_dd_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 63.5 / 51
p0 −4.344e−14 ± 7.024e−14
pull
Entries 52
Mean 142.7
Std Dev 0
pull1D
Entries 52
Mean 0.01674
Std Dev 1.105


asym_sam_15_48_dd_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 3.816e+05 / 51
p0 3.989e−11 ± 4.967e−14
0.25
0.2
0.15
0.1
0.05
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6


reg_asym_sam_37_48_dd_mean vs run
χ² / ndf 50.59 / 51
p0 −203 ± 109.8
2000
1000
0
−1000
−2000
−3000
pull
Entries 52
Mean −29.04
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2


pull1D
Entries 52
Mean 0.01537
Std Dev 0.9862
9
8
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 504.4 / 51
p0 78.67 ± 0.07766
86
84
82
80
78
76
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
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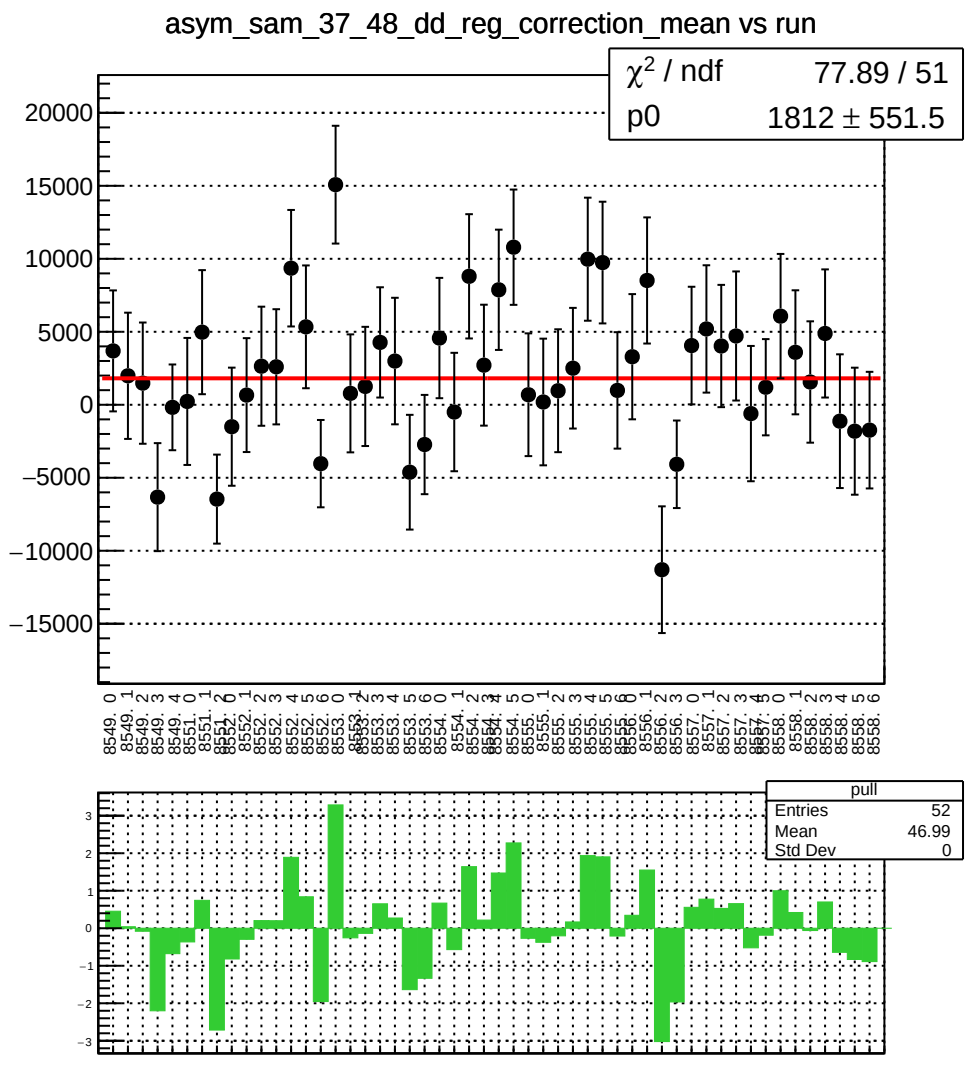
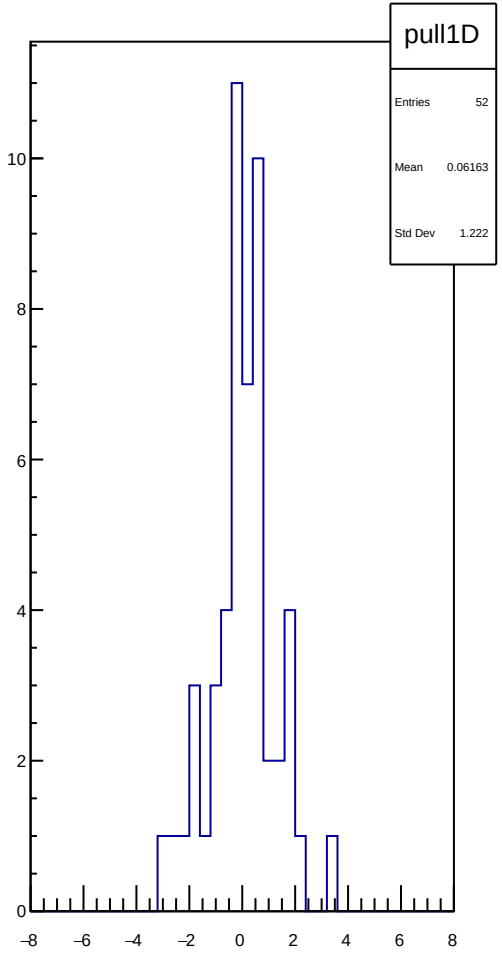
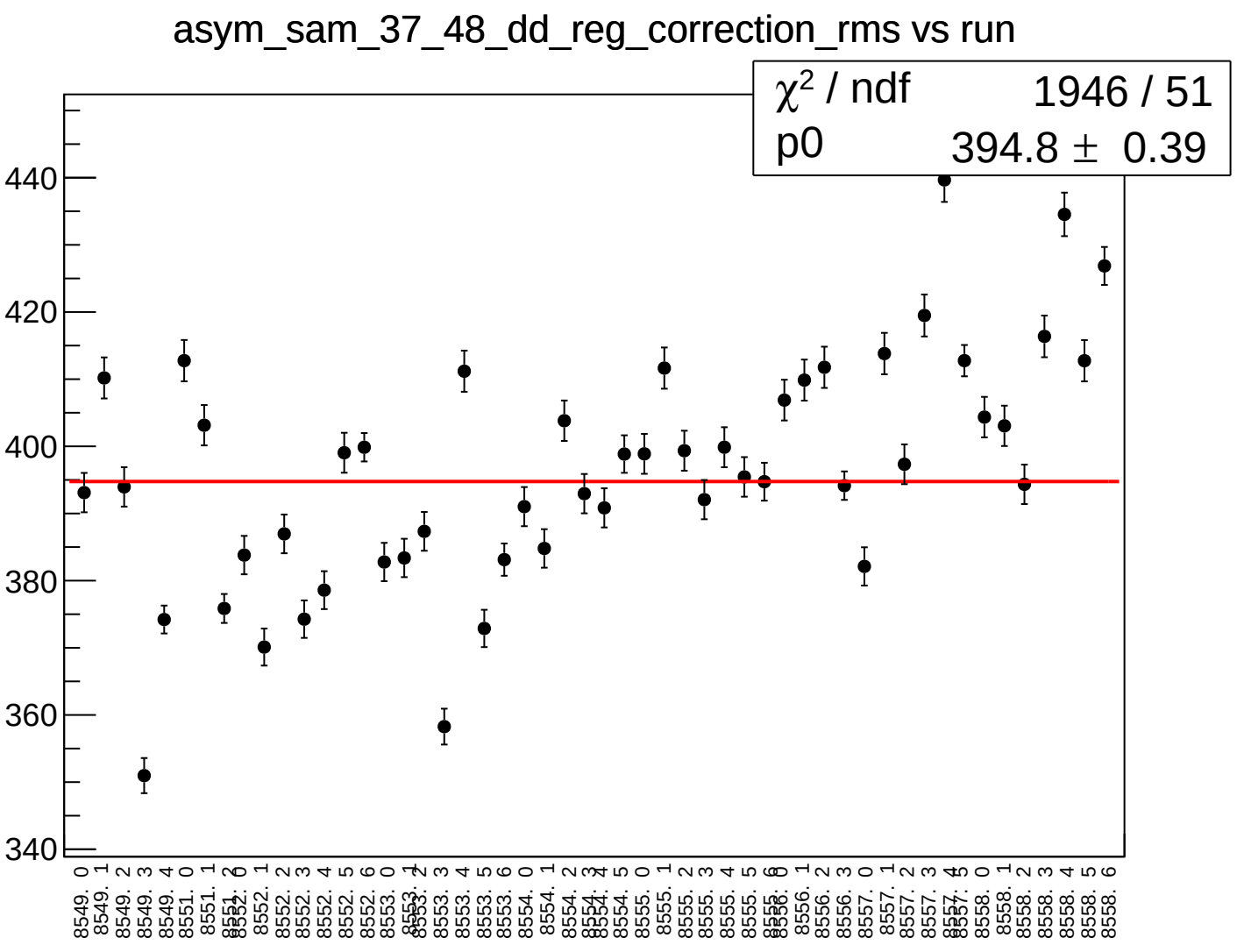
8558. 5
8558. 6


asym_sam_37_48_dd_reg_correction_mean vs run
χ² / ndf 77.89 / 51
p0 1812 ± 551.5
pull
Entries 52
Mean 46.99
Std Dev 0


pull1D
Entries 52
Mean 0.06163
Std Dev 1.222


asym_sam_37_48_dd_reg_correction_rms vs run
χ² / ndf 1946 / 51
p0 394.8 ± 0.39
440
420
400
380
360
340
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 5
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
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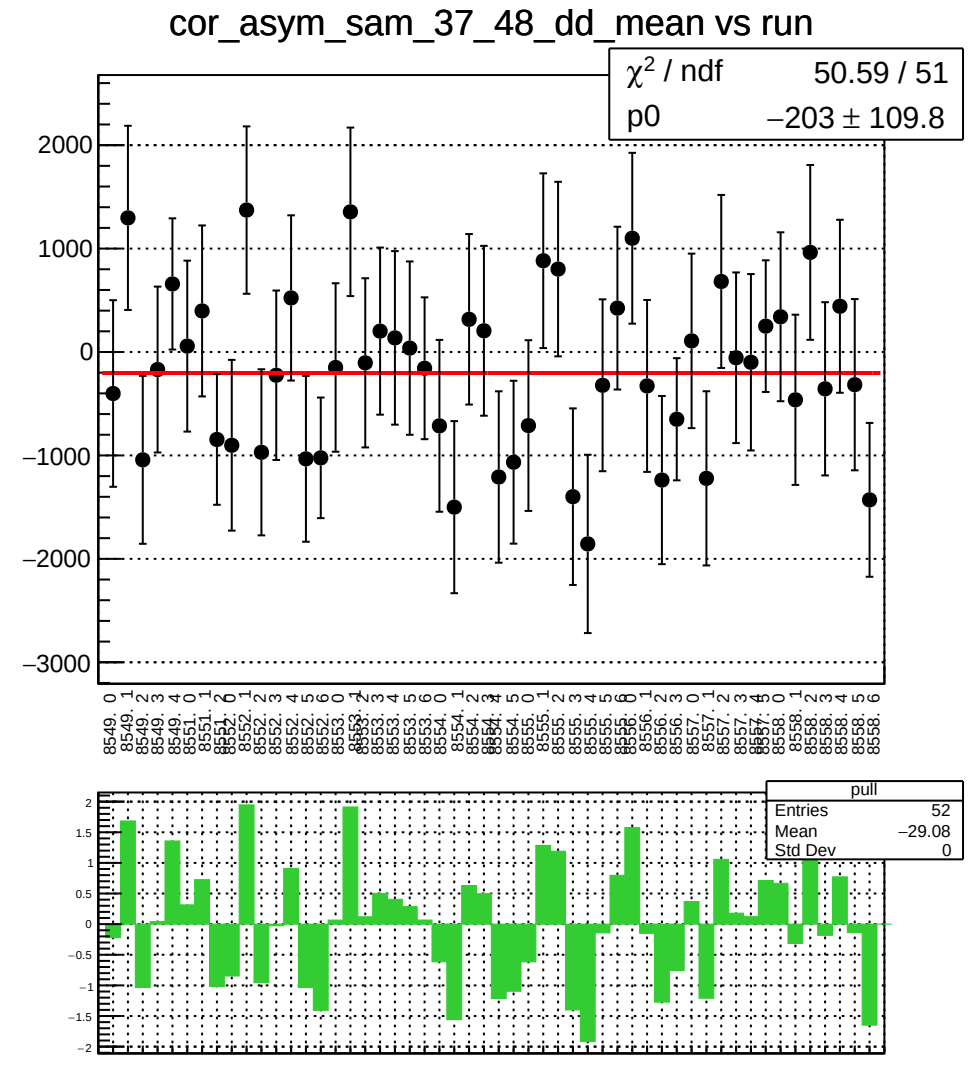
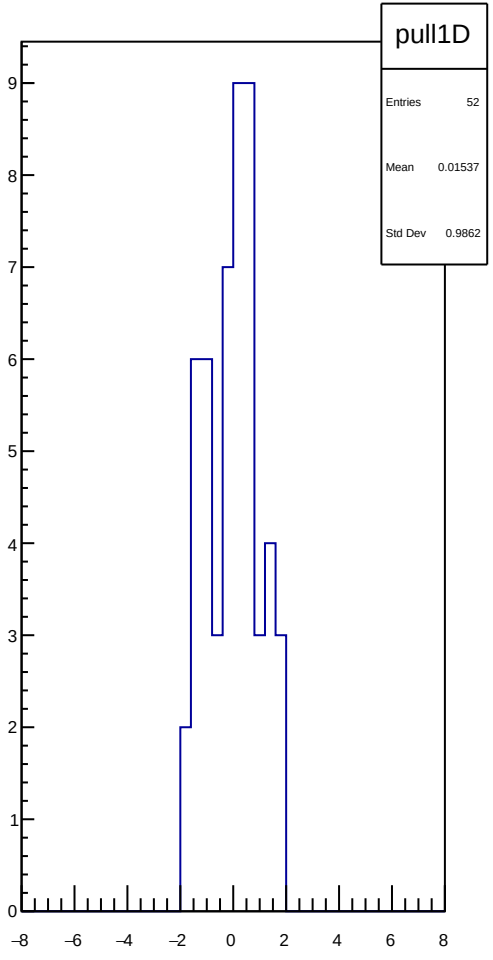
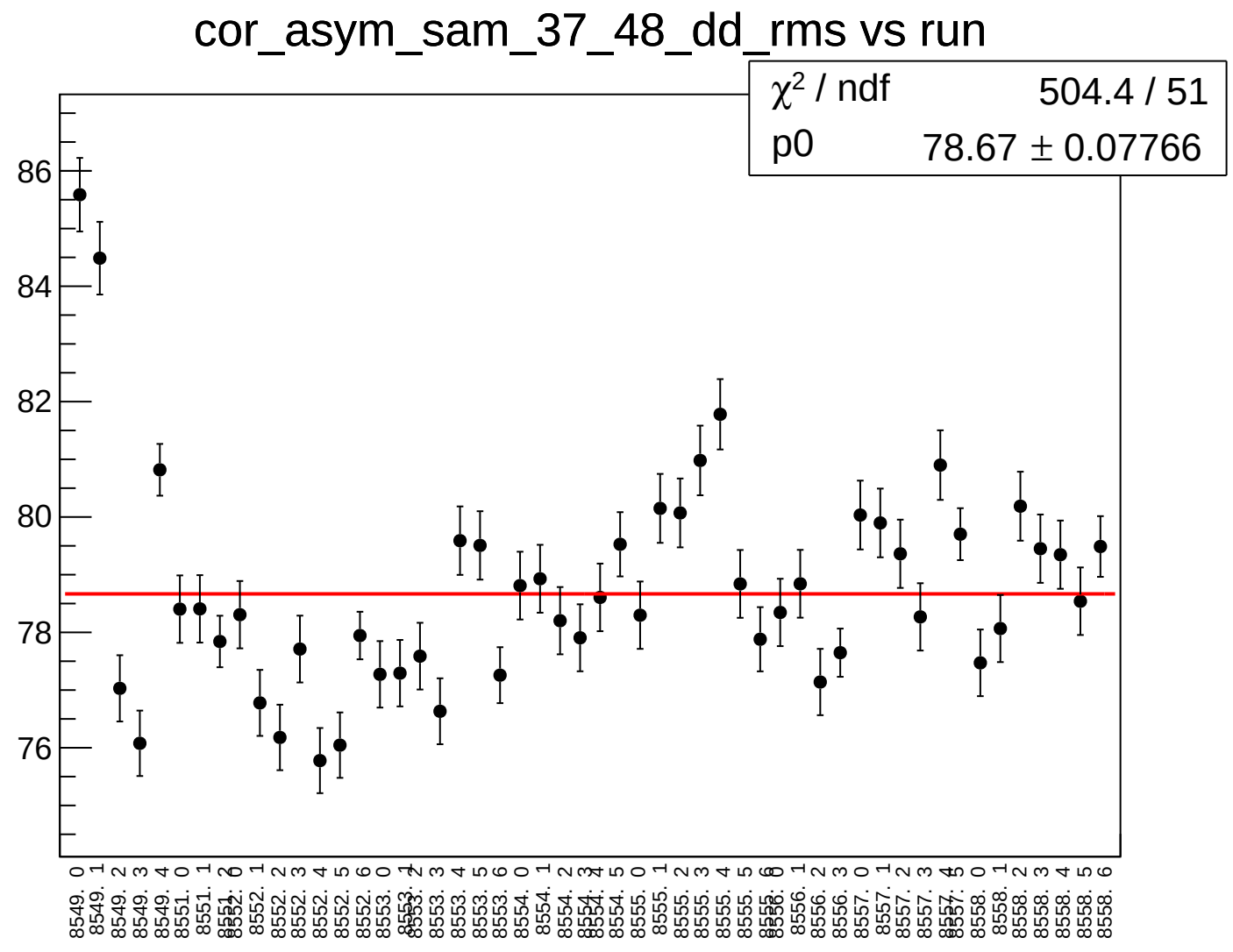
8558. 6


cor_asym_sam_37_48_dd_mean vs run
χ² / ndf 50.59 / 51
p0 −203 ± 109.8
pull
Entries 52
Mean −29.08
Std Dev 0


pull1D
Entries 52
Mean 0.01537
Std Dev 0.9862


cor_asym_sam_37_48_dd_rms vs run
χ² / ndf 504.4 / 51
p0 78.67 ± 0.07766
86
84
82
80
78
76
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
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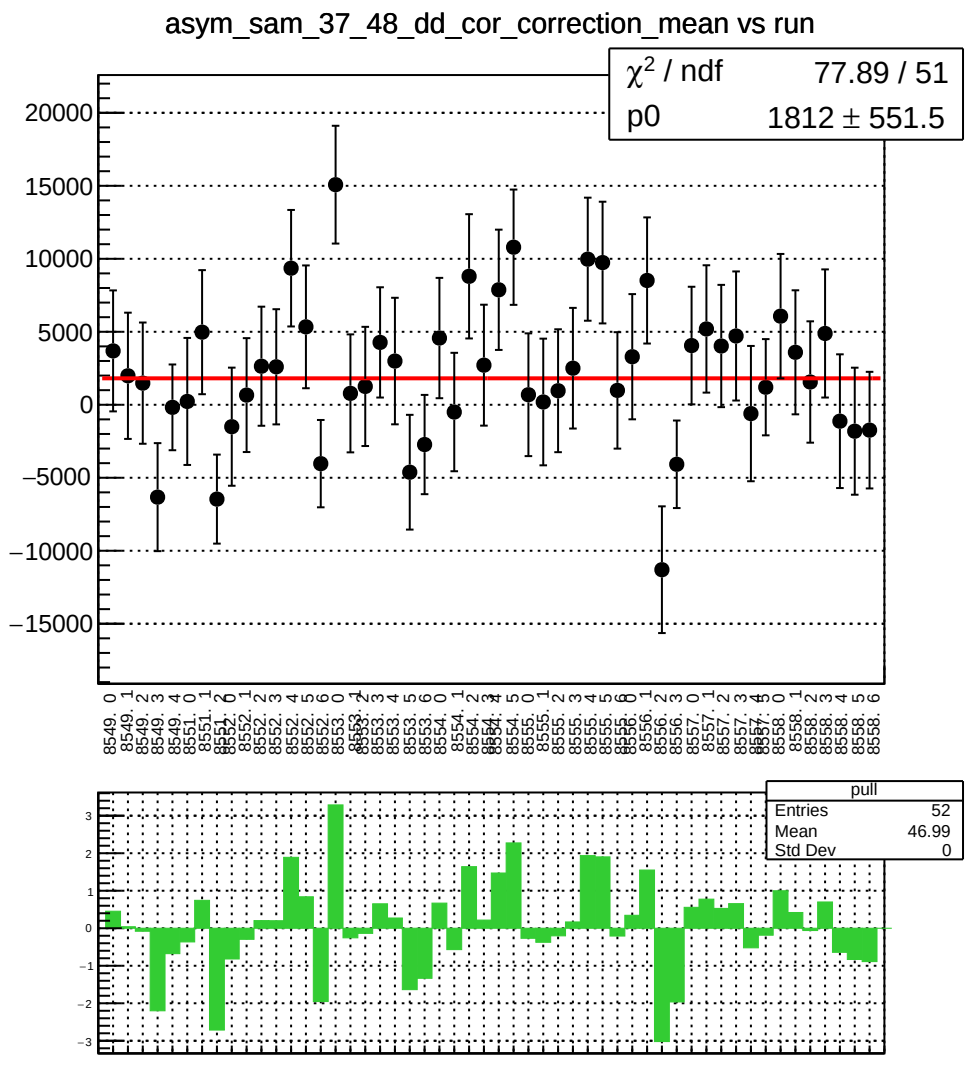
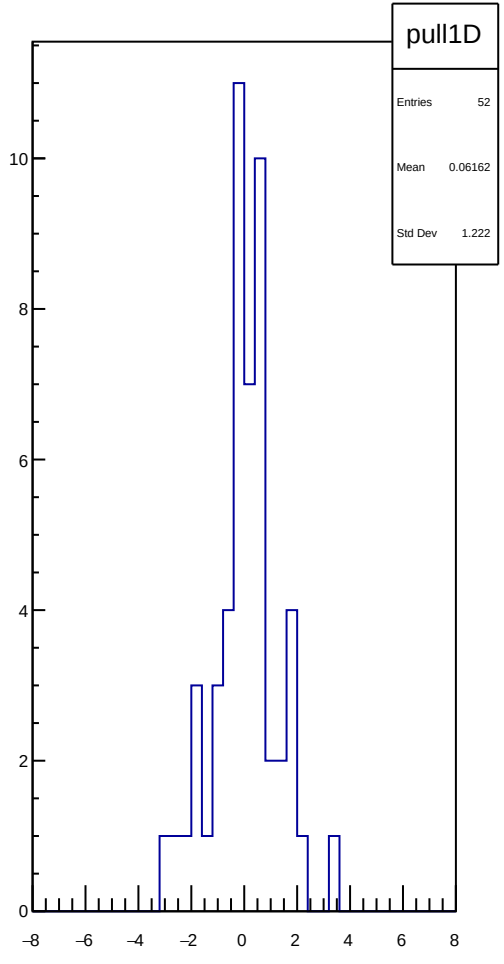
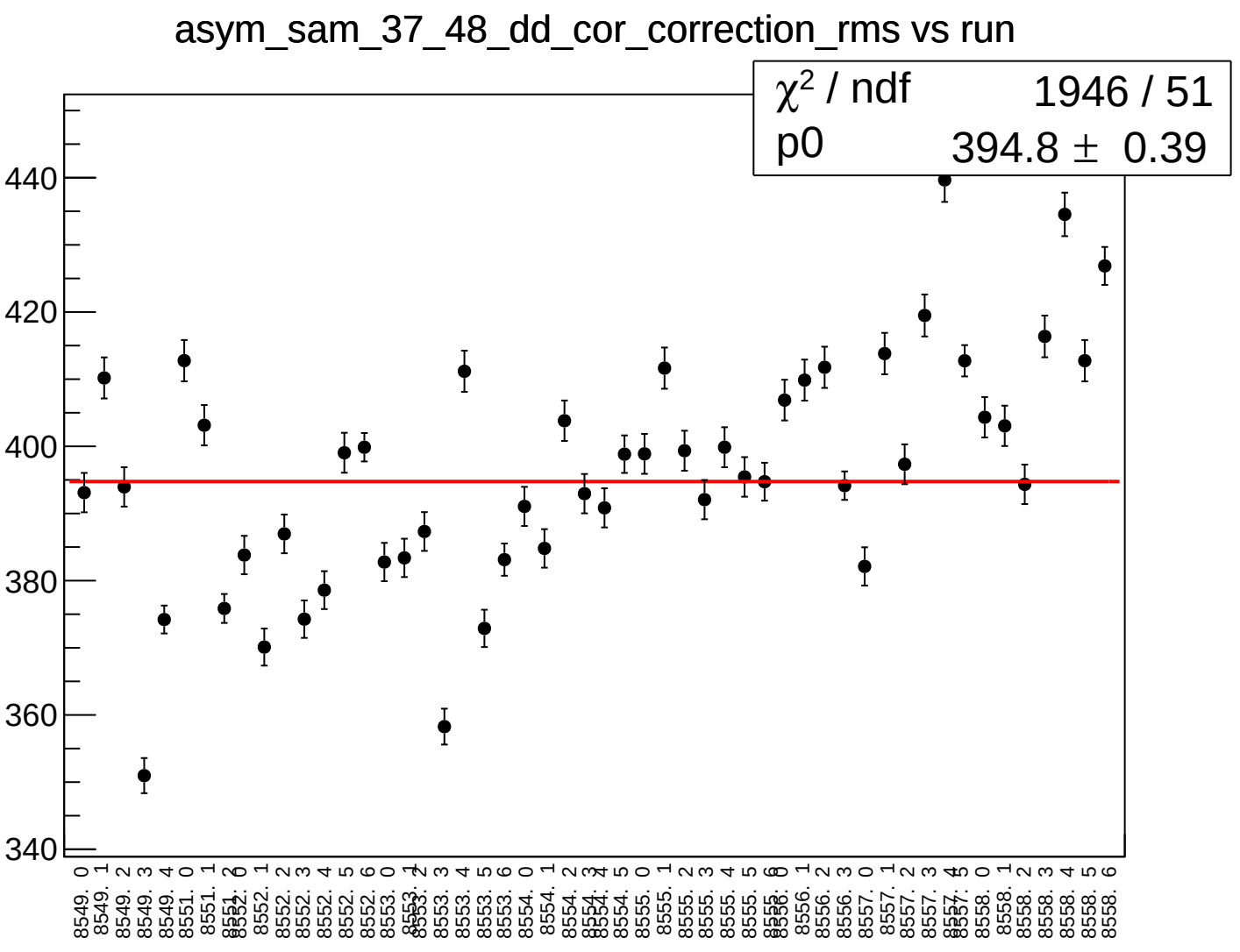
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6


asym_sam_37_48_dd_cor_correction_mean vs run
χ² / ndf 77.89 / 51
p0 1812 ± 551.5
pull
Entries 52
Mean 46.99
Std Dev 0


pull1D
Entries 52
Mean 0.06162
Std Dev 1.222


asym_sam_37_48_dd_cor_correction_rms vs run
χ² / ndf 1946 / 51
p0 394.8 ± 0.39
440
420
400
380
360
340
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
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8557. 3
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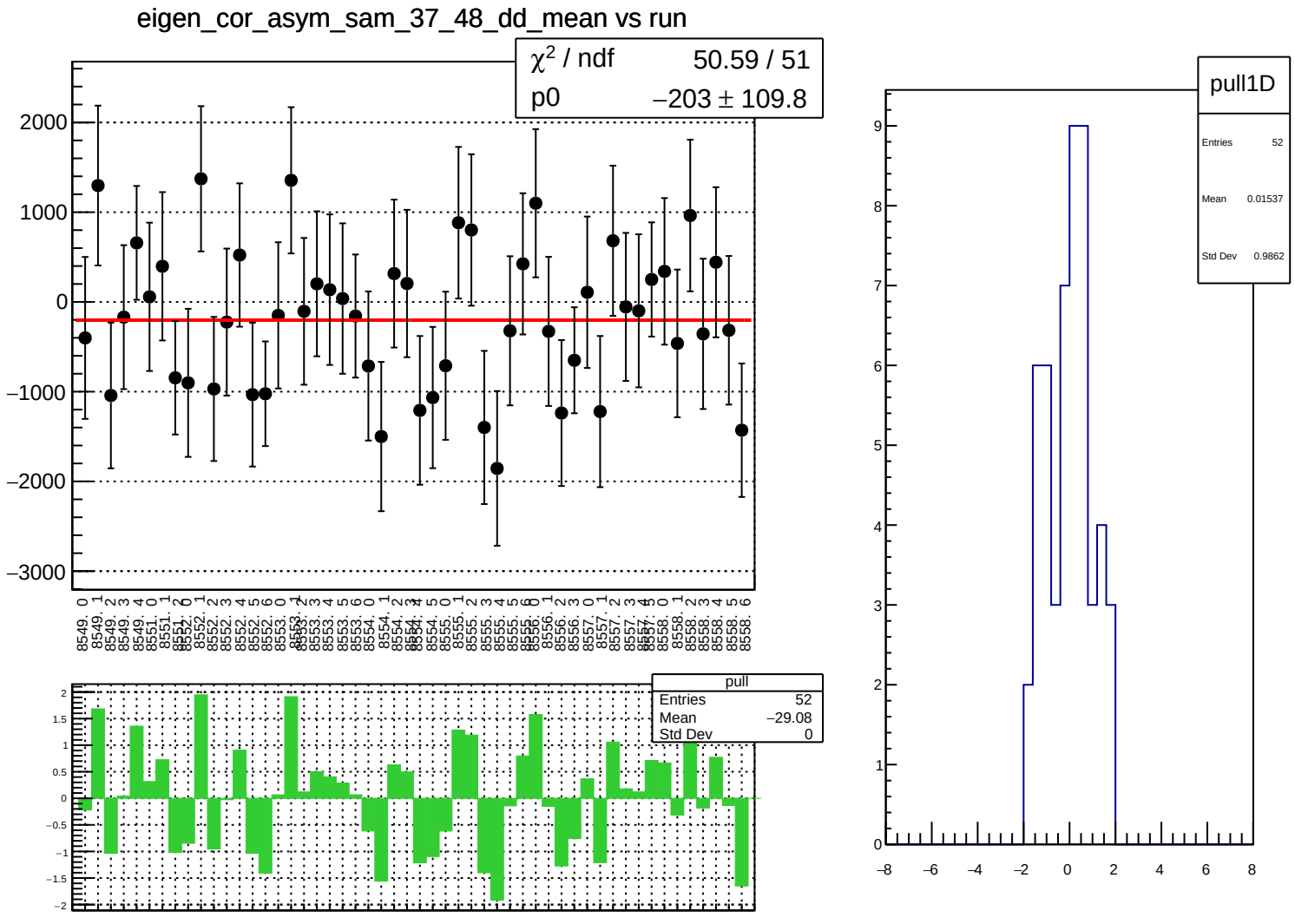
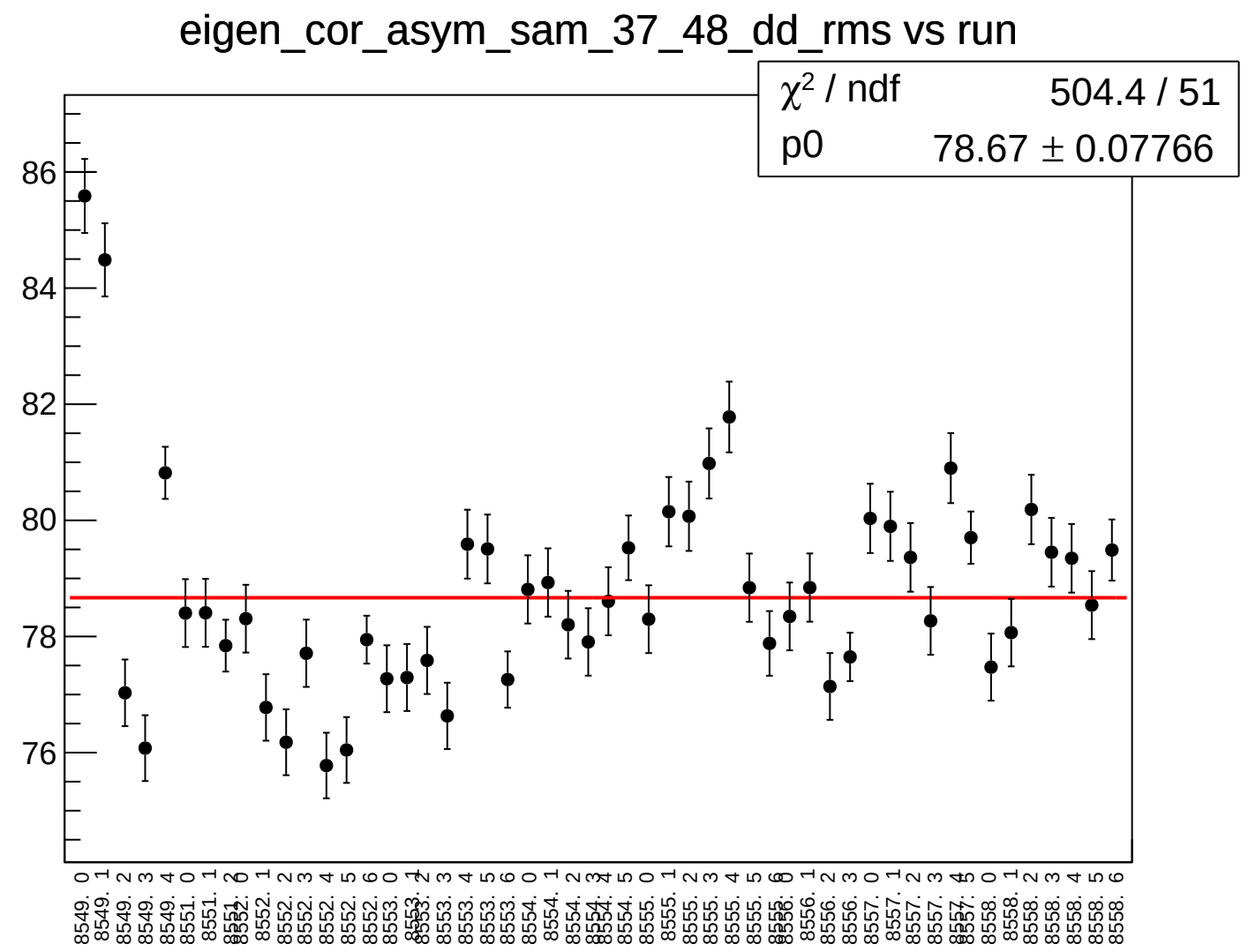
8558. 5
8558. 6


eigen_cor_asym_sam_37_48_dd_mean vs run
χ² / ndf 50.59 / 51
p0 −203 ± 109.8
pull
Entries 52
Mean −29.08
Std Dev 0
pull1D
Entries 52
Mean 0.01537
Std Dev 0.9862


eigen_cor_asym_sam_37_48_dd_rms vs run
χ² / ndf 504.4 / 51
p0 78.67 ± 0.07766
86
84
82
80
78
76
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
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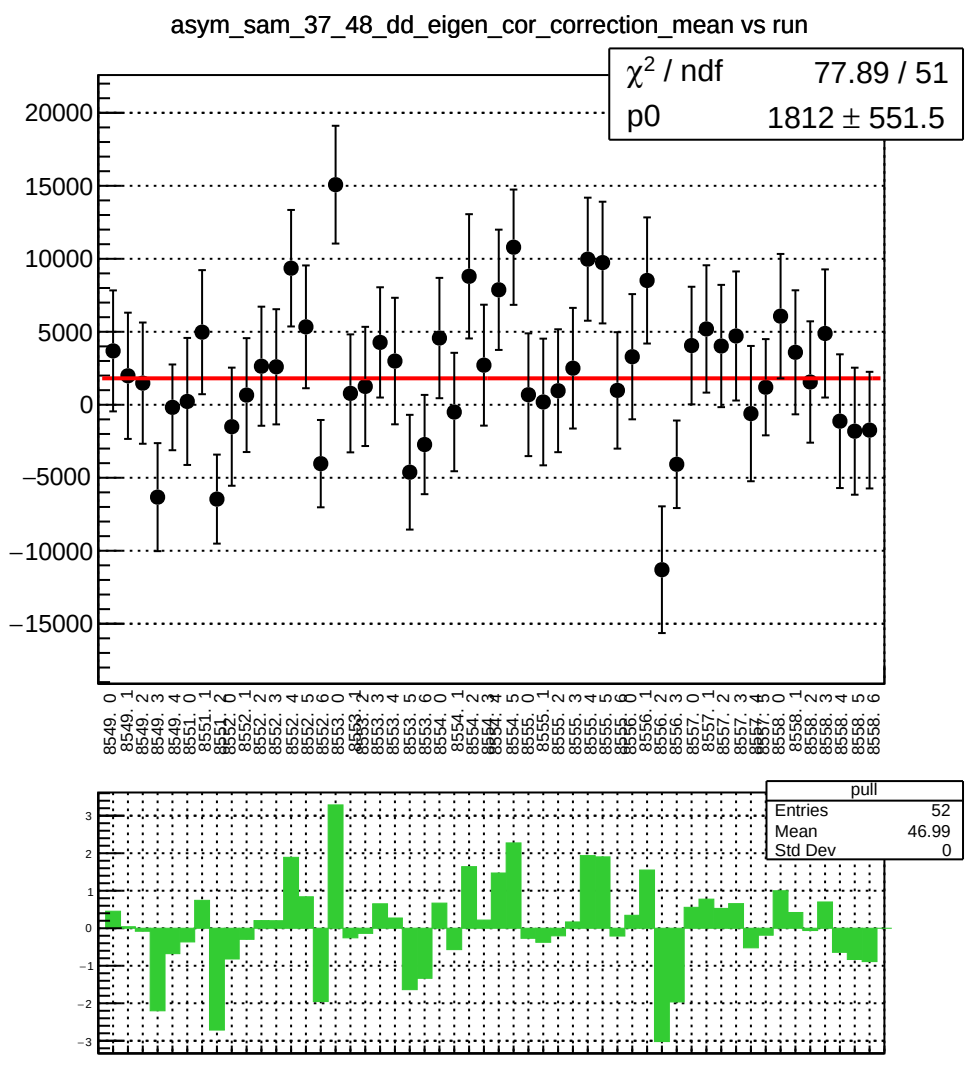
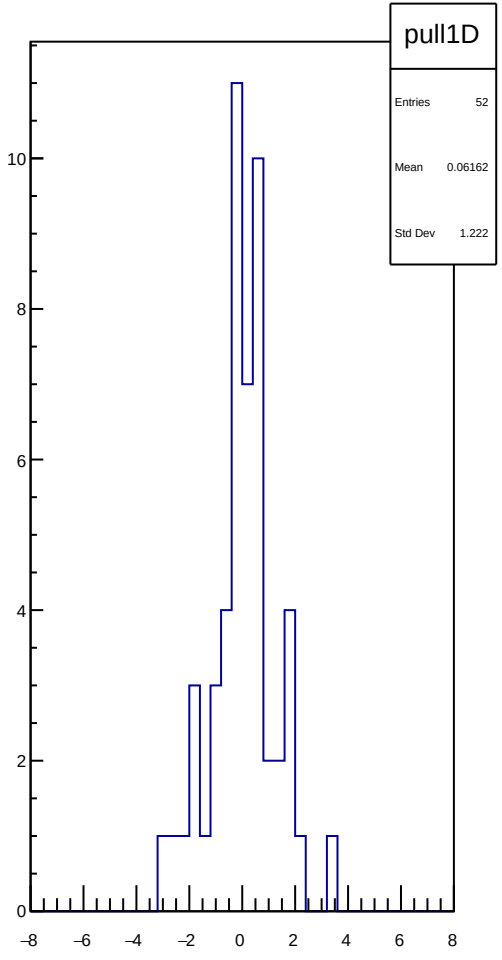
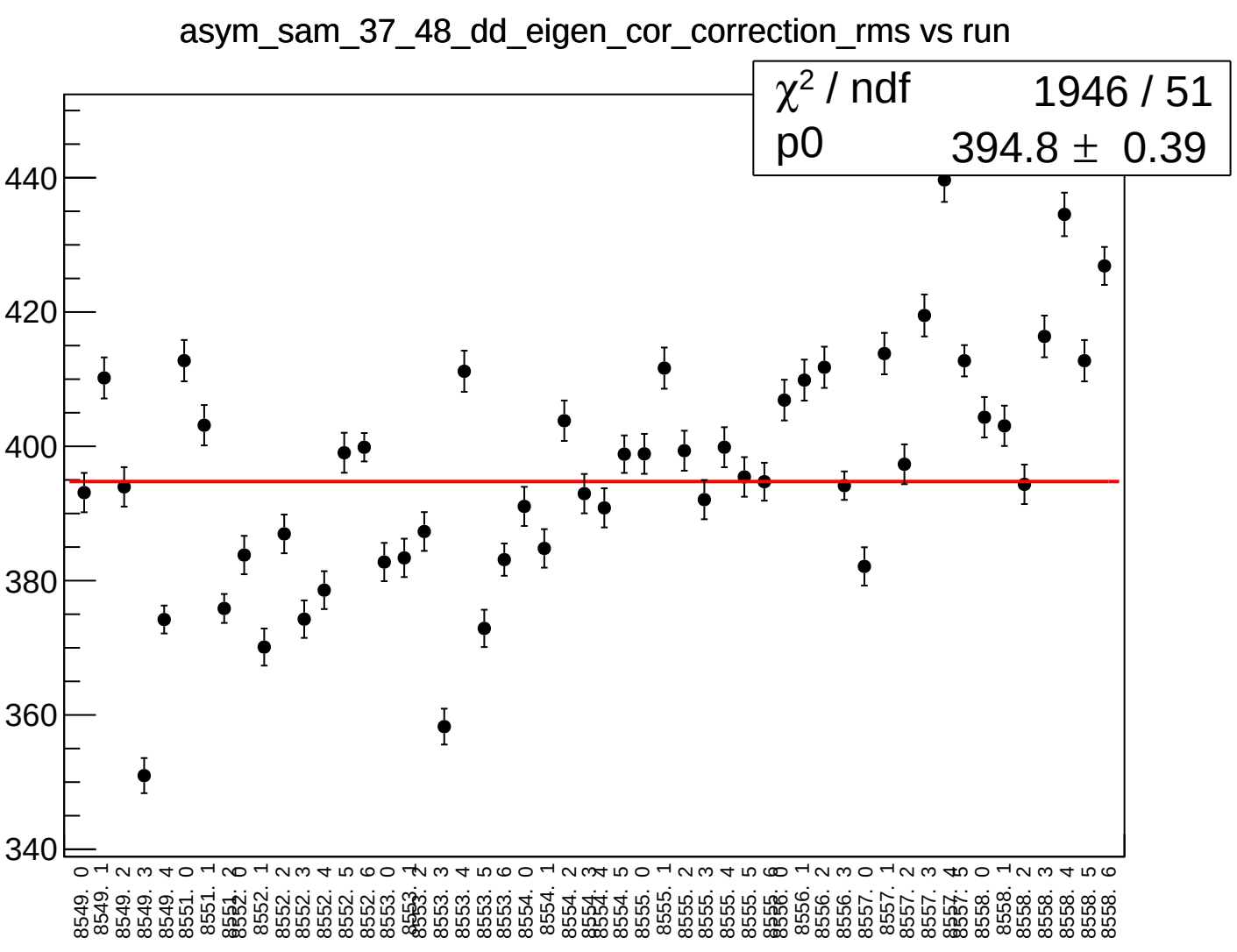

asym_sam_37_48_dd_eigen_cor_correction_mean vs run
χ² / ndf 77.89 / 51
p0 1812 ± 551.5
pull
Entries 52
Mean 46.99
Std Dev 0


pull1D
Entries 52
Mean 0.06162
Std Dev 1.222


asym_sam_37_48_dd_eigen_cor_correction_rms vs run
χ² / ndf 1946 / 51
p0 394.8 ± 0.39
440
420
400
380
360
340
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 4
8553. 5
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8554. 0
8554. 1
8554. 2
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
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8557. 3
8558. 0
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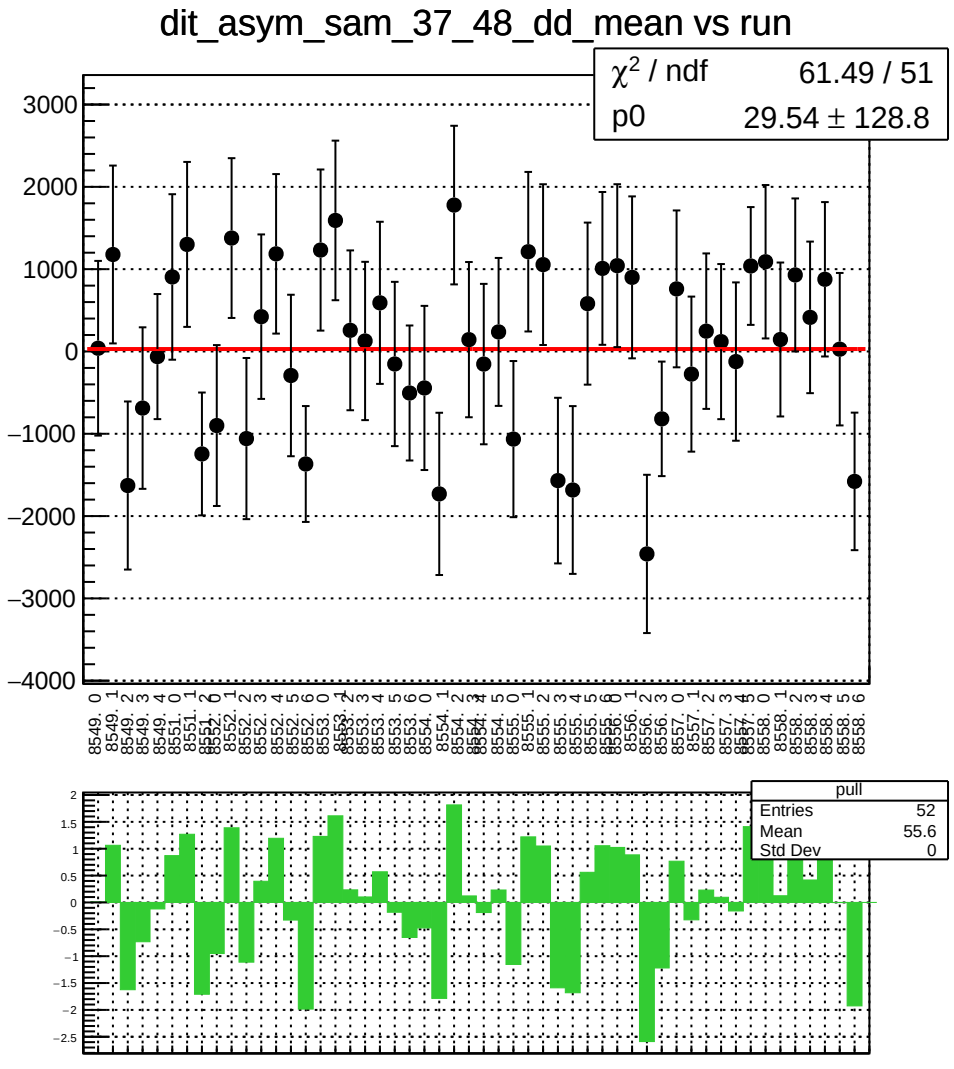
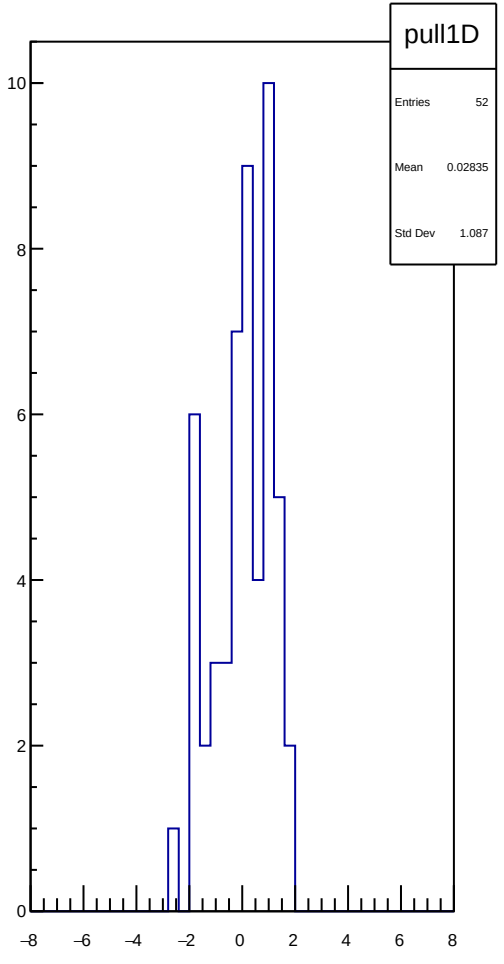
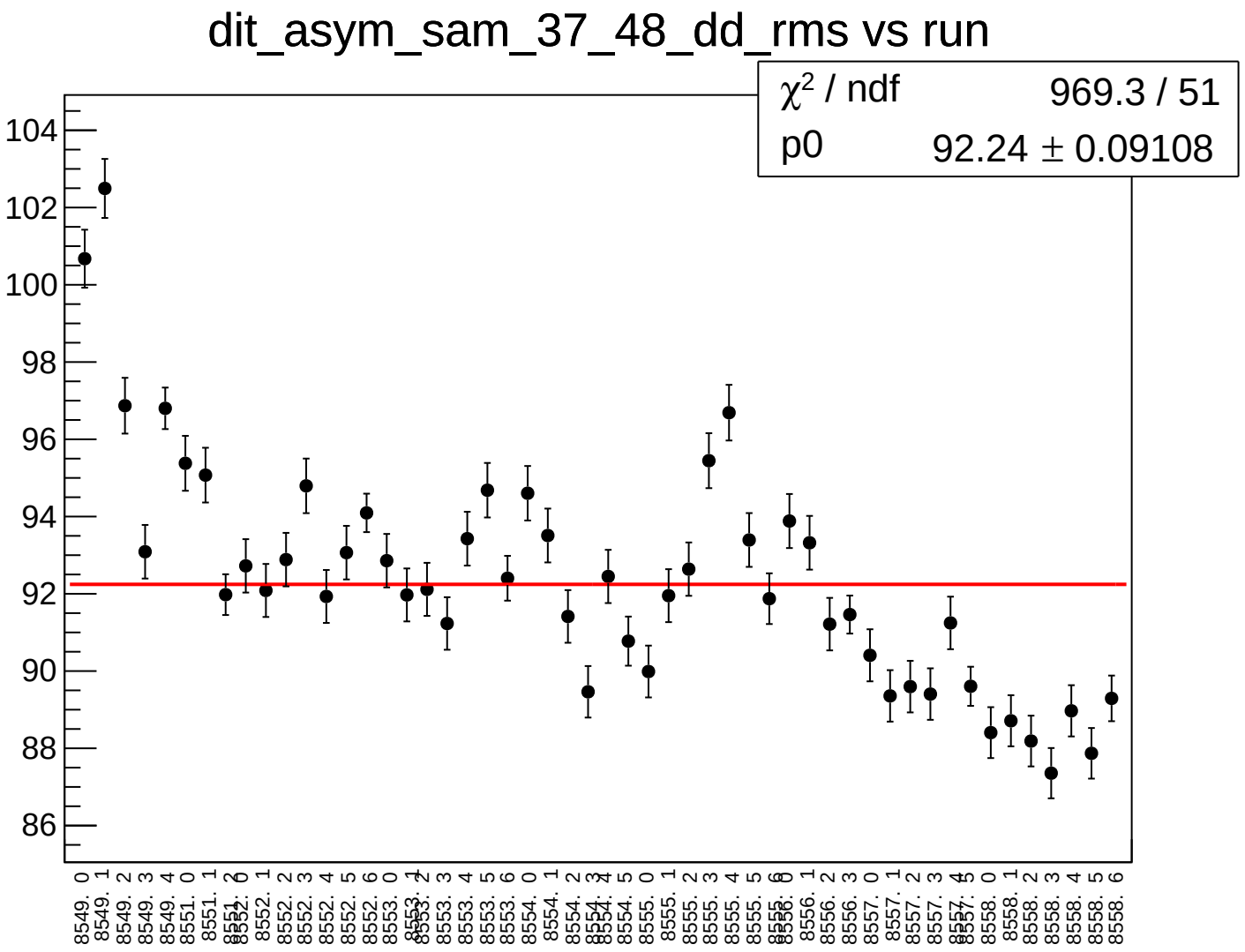

dit_asym_sam_37_48_dd_mean vs run
χ² / ndf 61.49 / 51
p0 29.54 ± 128.8
pull
Entries 52
Mean 55.6
Std Dev 0


pull1D
Entries 52
Mean 0.02835
Std Dev 1.087


dit_asym_sam_37_48_dd_rms vs run
χ^2 / ndf 969.3 / 51
p0 92.24 ± 0.09108
104
102
100
98
96
94
92
90
88
86
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
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8554. 2
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8555. 4
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8556. 2
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8557. 0
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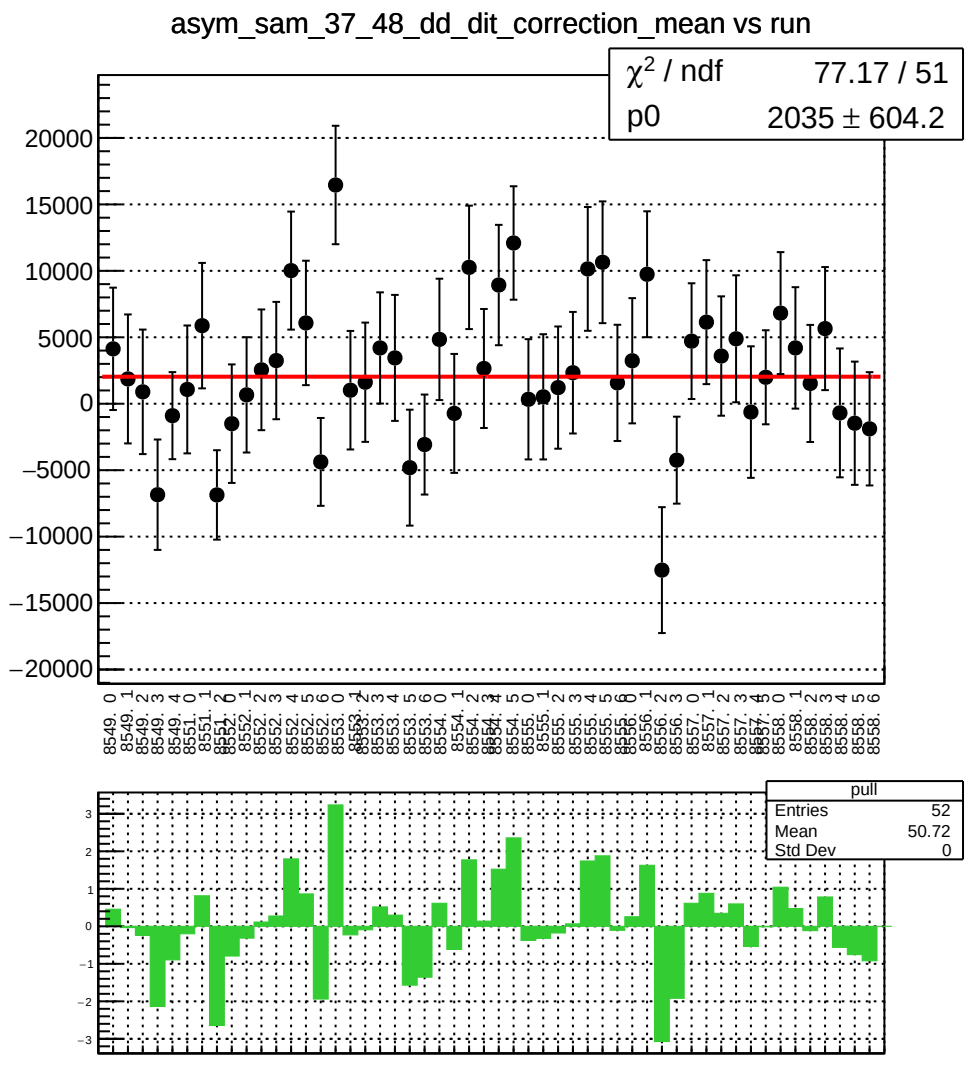
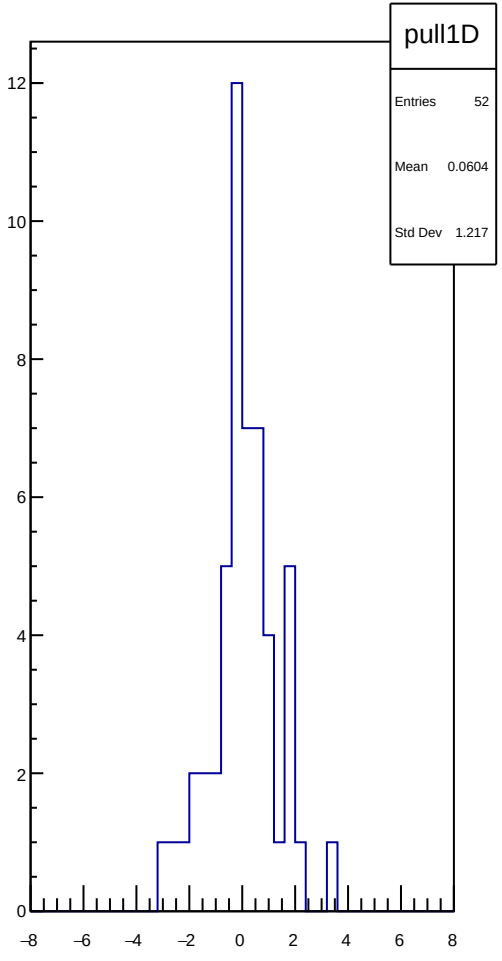
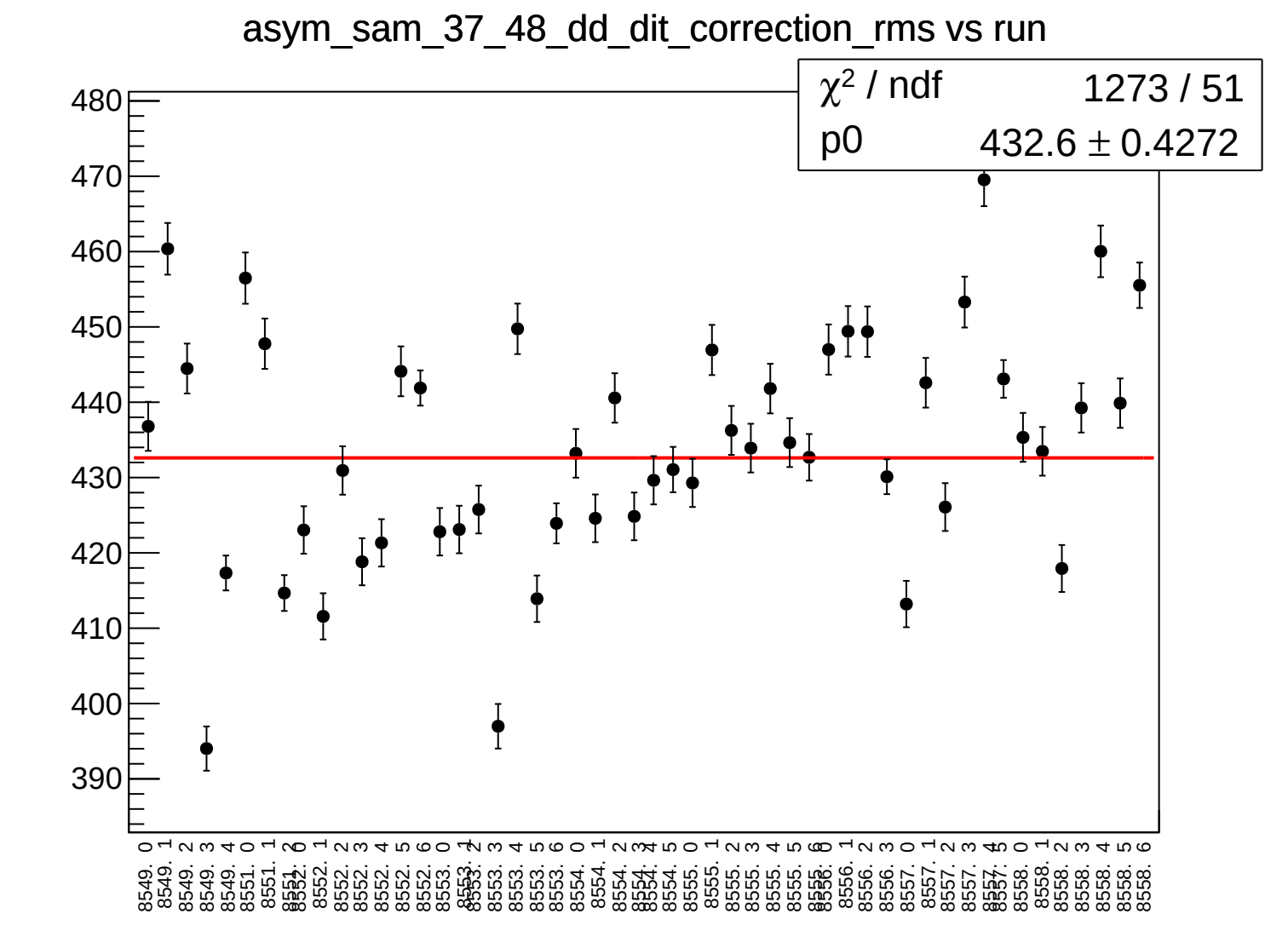

asym_sam_37_48_dd_dit_correction_mean vs run
χ² / ndf 77.17 / 51
p0 2035 ± 604.2
pull
Entries 52
Mean 50.72
Std Dev 0


pull1D
Entries 52
Mean 0.0604
Std Dev 1.217


asym_sam_37_48_dd_dit_correction_rms vs run
χ² / ndf 1273 / 51
p0 432.6 ± 0.4272
480
470
460
450
440
430
420
410
400
390
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
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8552. 4
8552. 5
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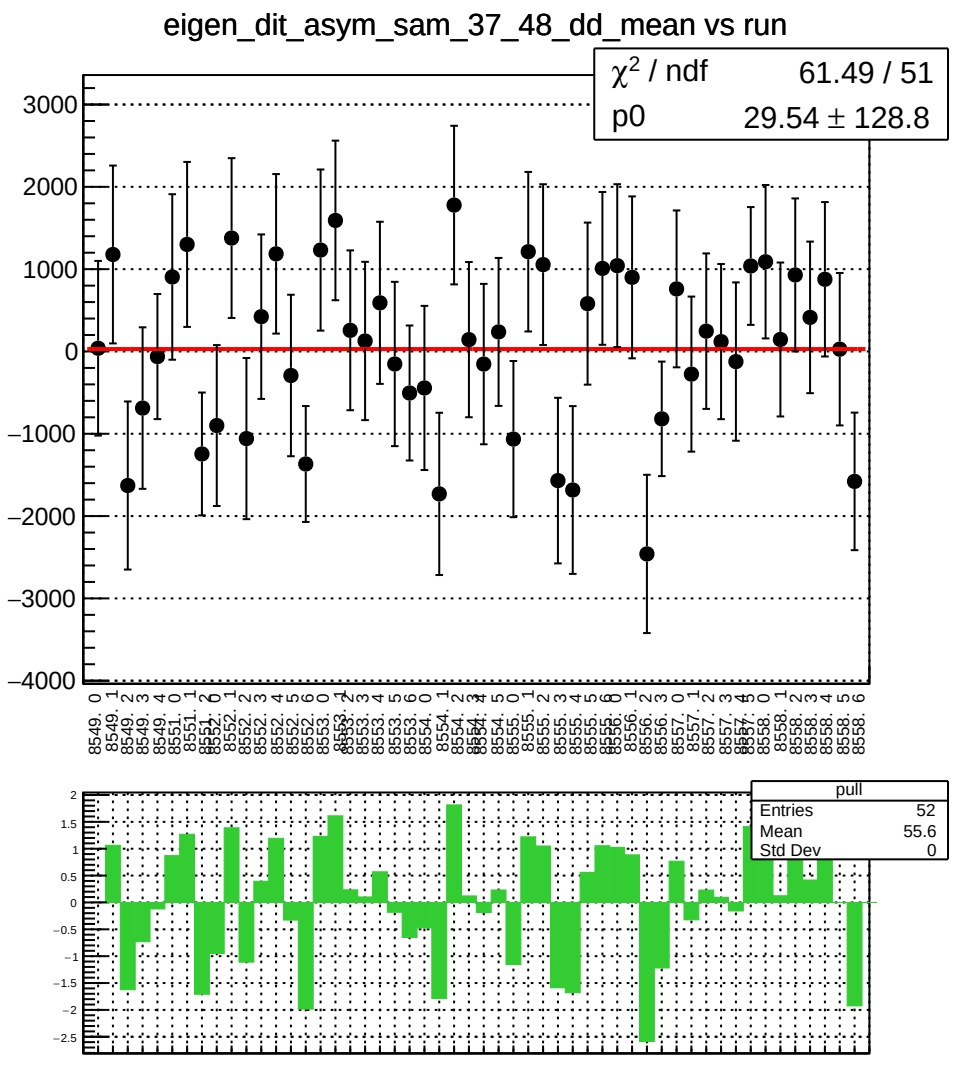
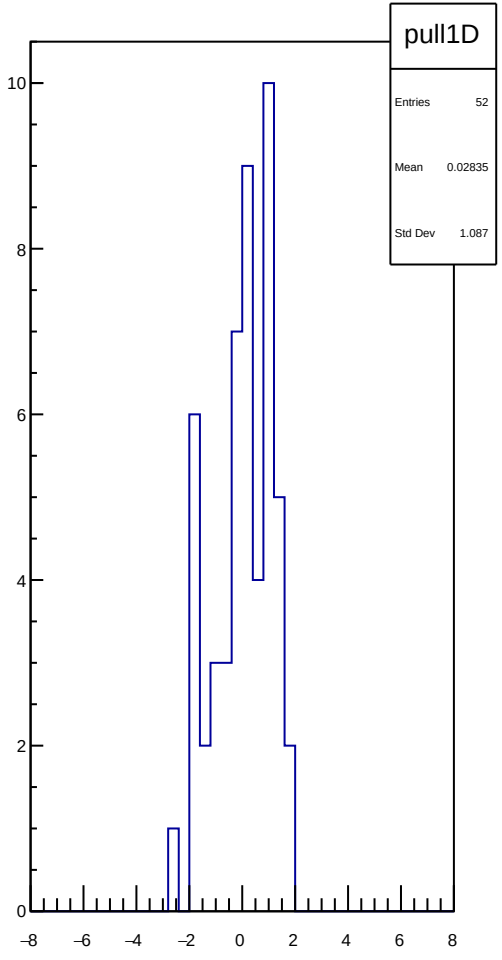
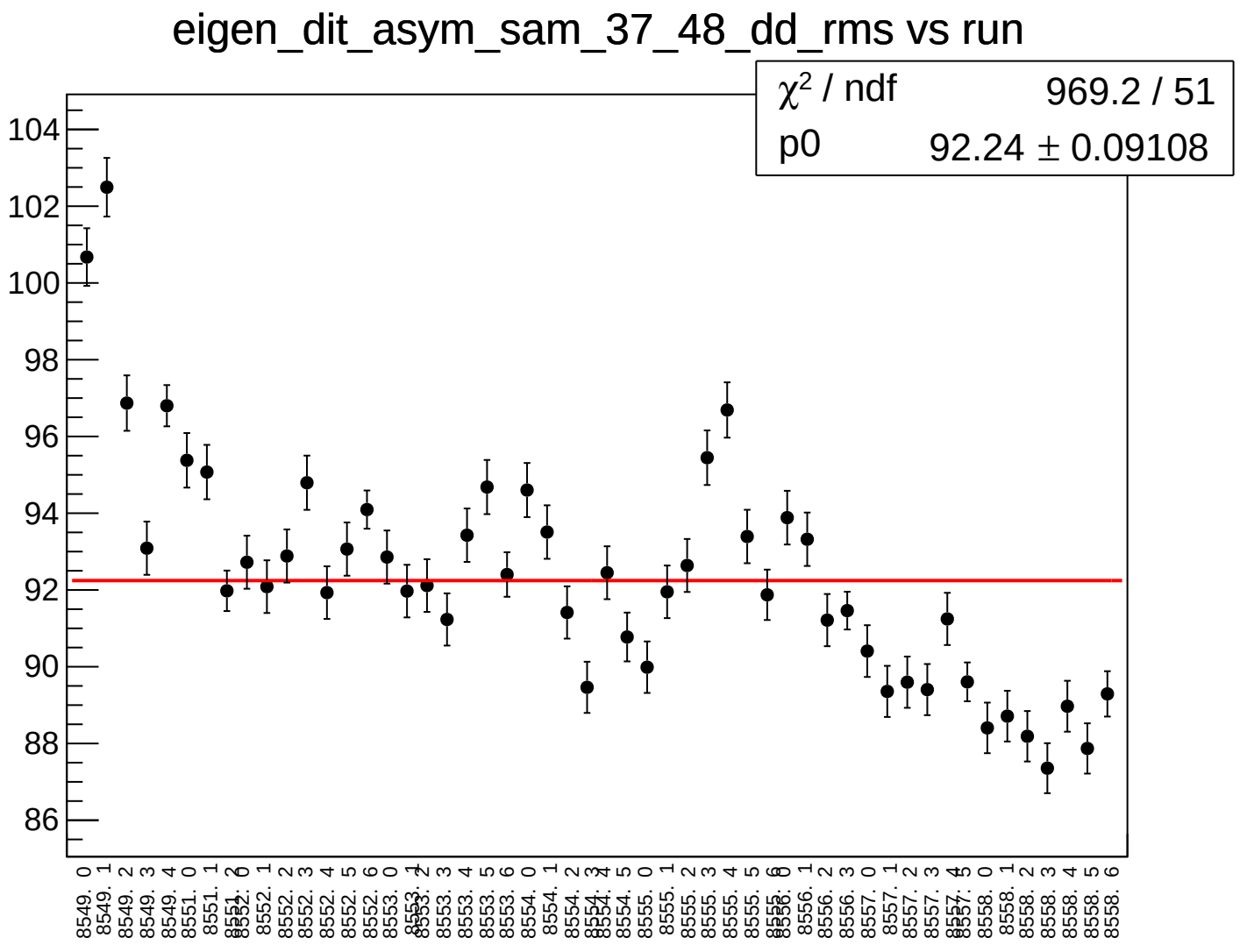

eigen_dit_asym_sam_37_48_dd_mean vs run
χ^2 / ndf 61.49 / 51
p0 29.54 ± 128.8
pull
Entries 52
Mean 55.6
Std Dev 0


pull1D
Entries 52
Mean 0.02835
Std Dev 1.087


eigen_dit_asym_sam_37_48_dd_rms vs run
χ² / ndf 969.2 / 51
p0 92.24 ± 0.09108
104
102
100
98
96
94
92
90
88
86
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
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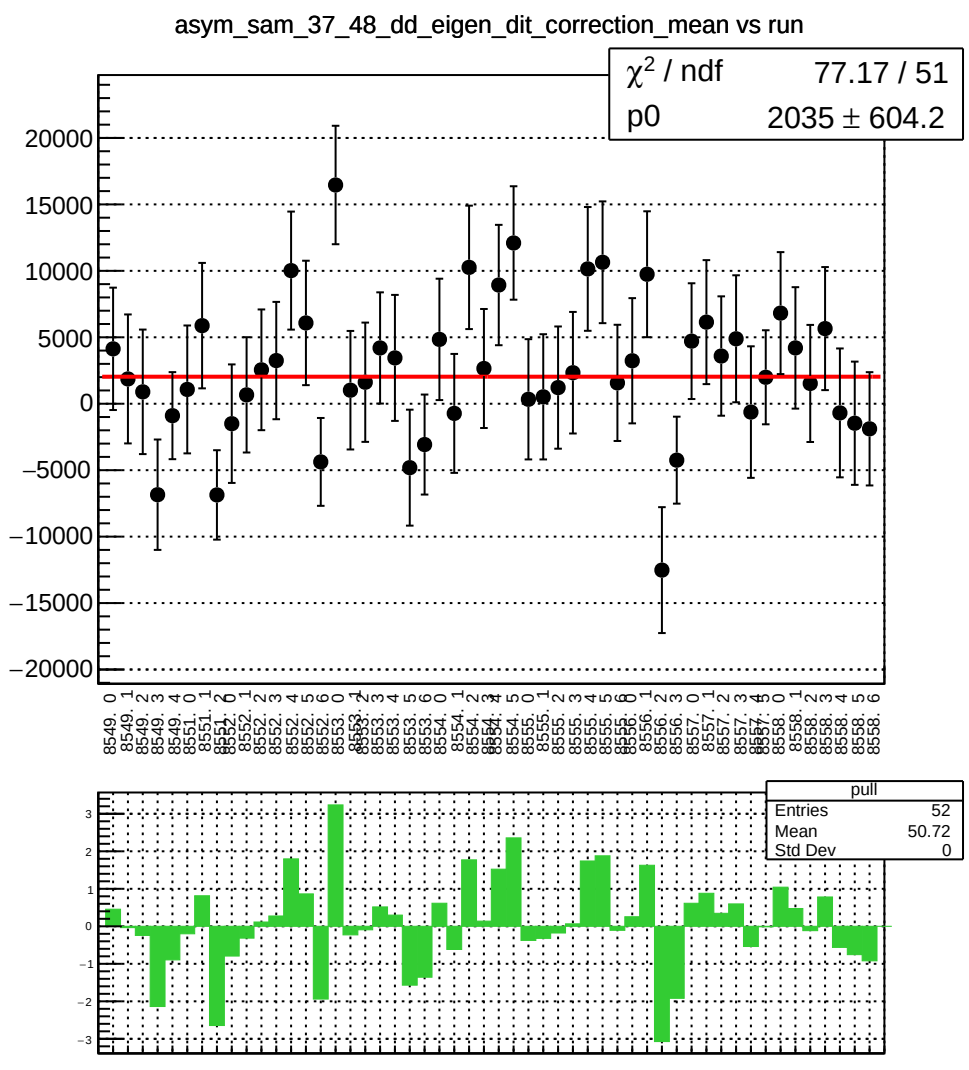
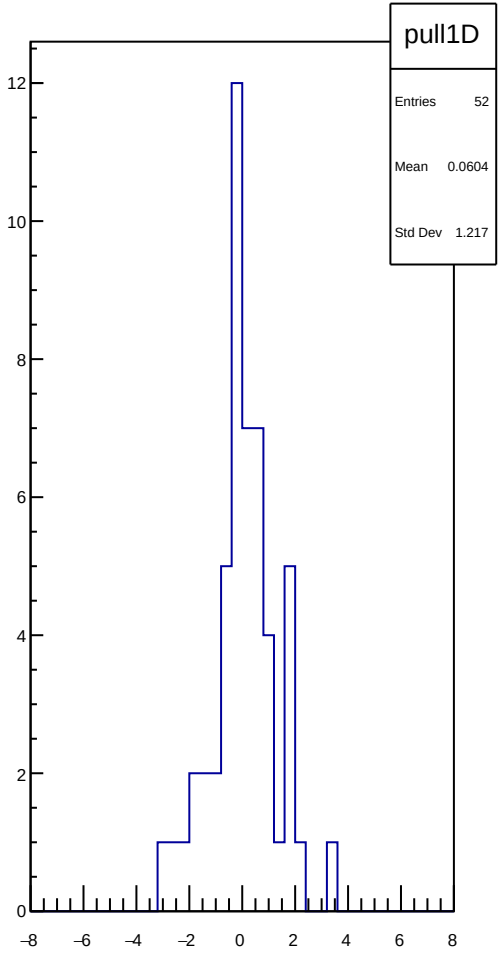
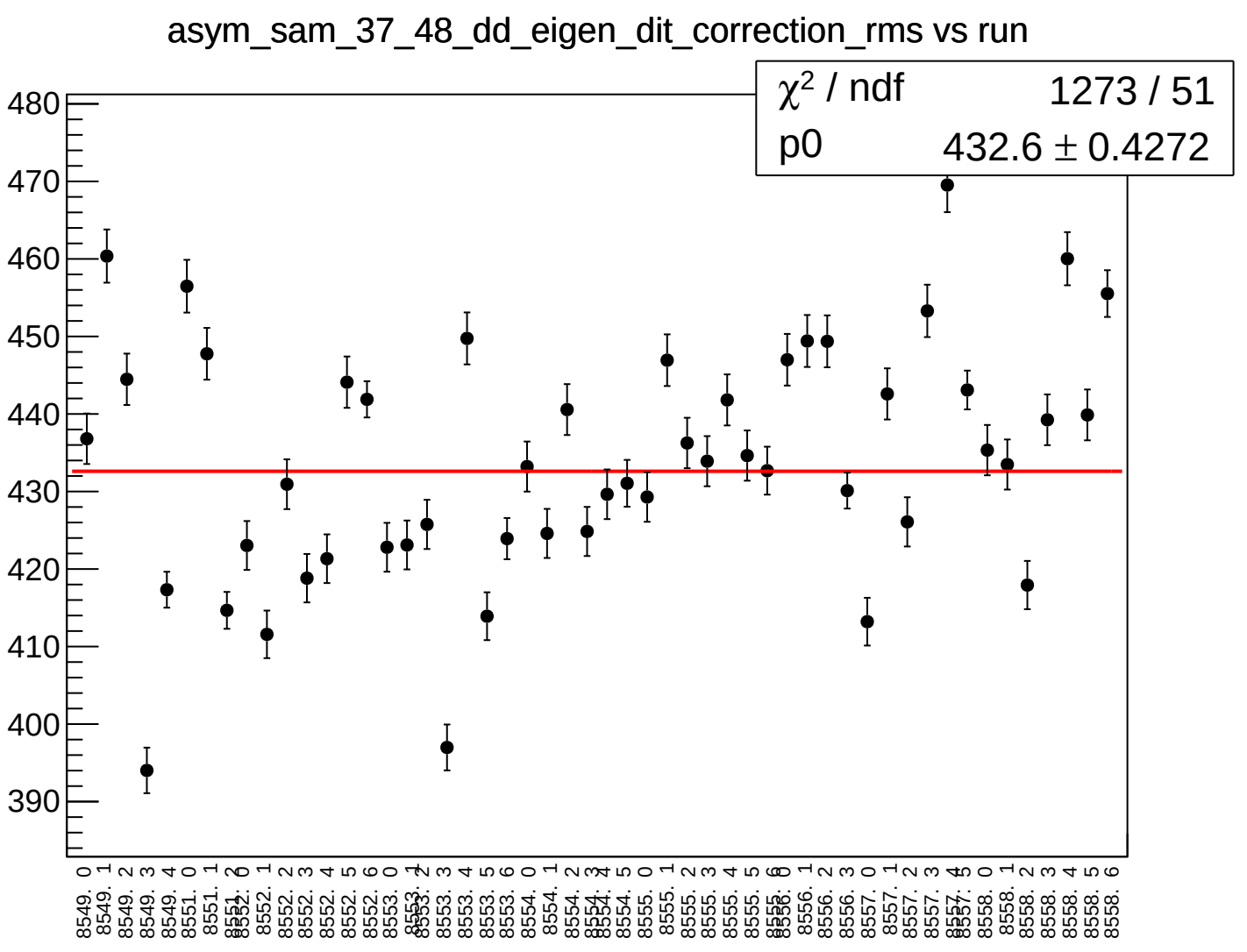

asym_sam_37_48_dd_eigen_dit_correction_mean vs run
χ² / ndf 77.17 / 51
p0 2035 ± 604.2
pull
Entries 52
Mean 50.72
Std Dev 0


pull1D
Entries 52
Mean 0.0604
Std Dev 1.217


asym_sam_37_48_dd_eigen_dit_correction_rms vs run
χ² / ndf 1273 / 51
p0 432.6 ± 0.4272
480
470
460
450
440
430
420
410
400
390
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
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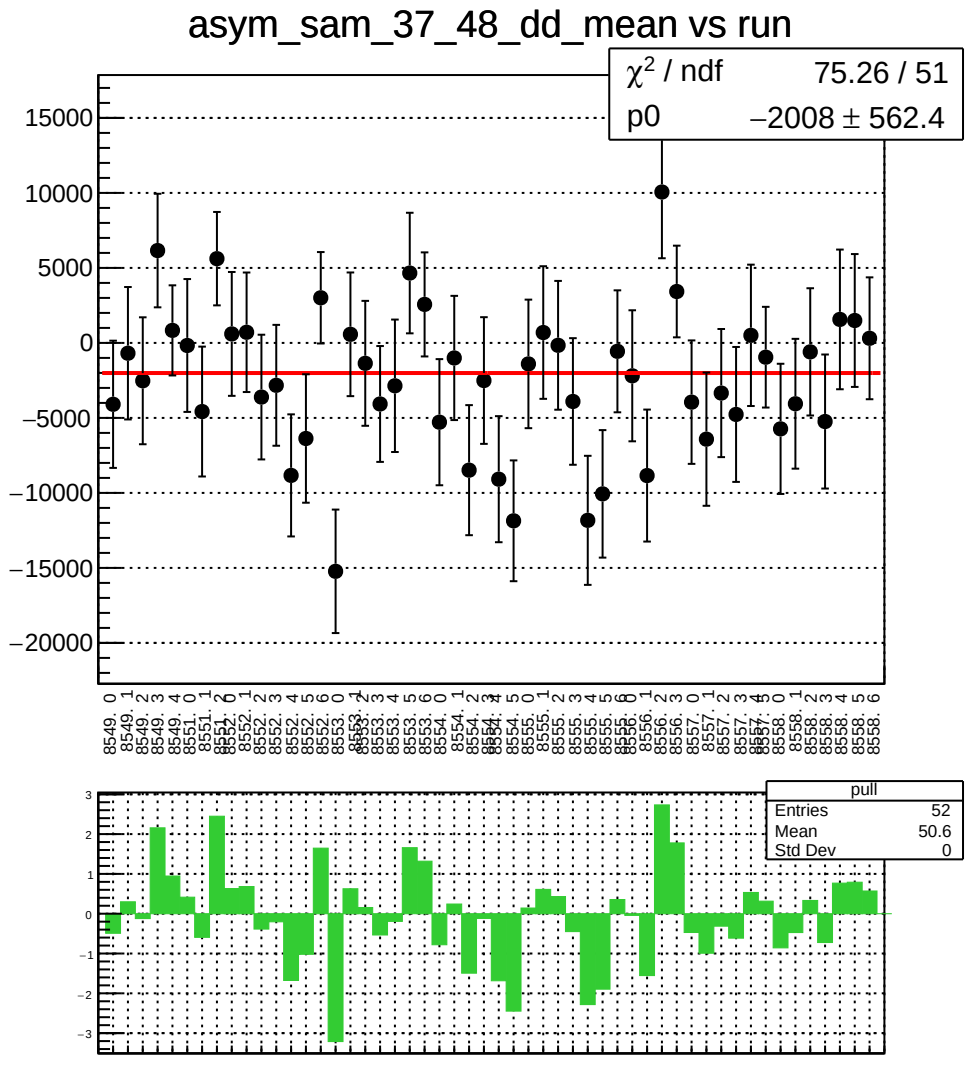
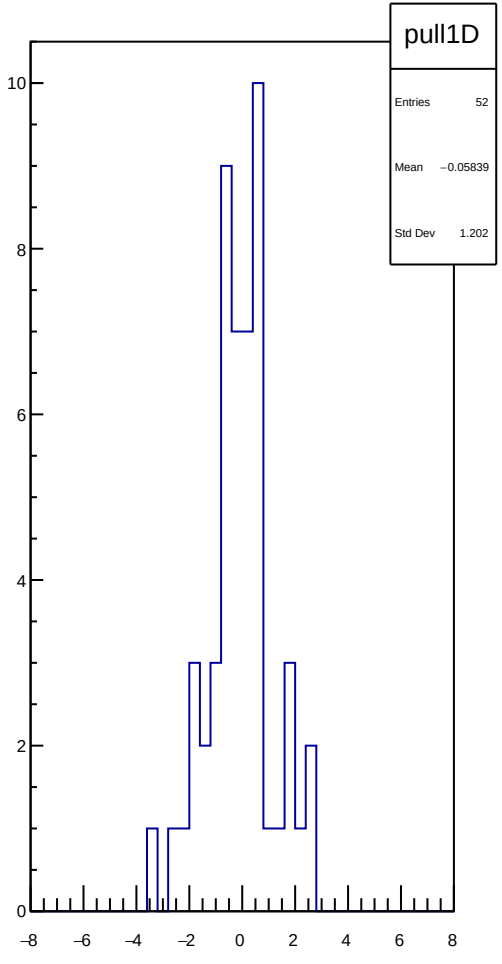
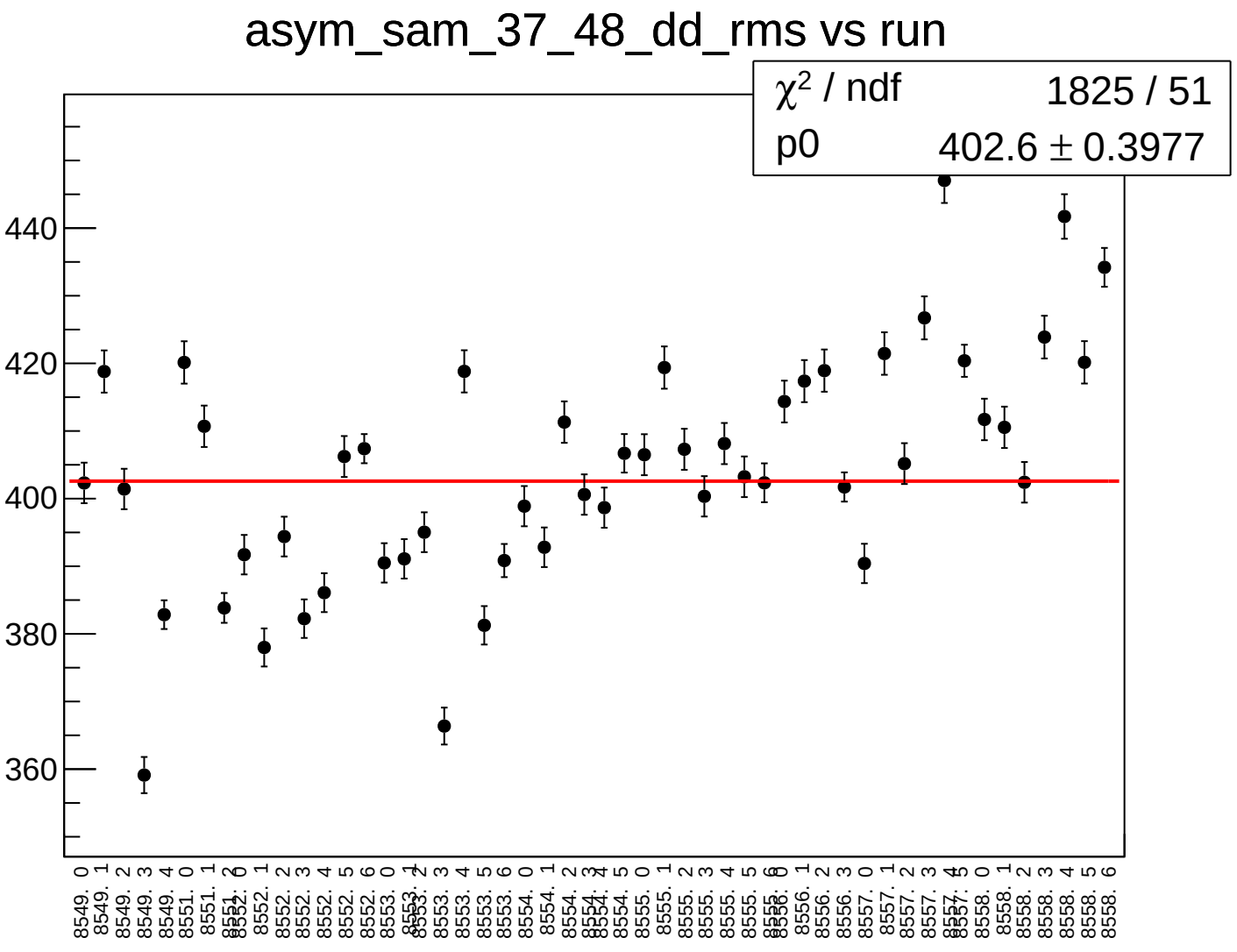
8558. 6


asym_sam_37_48_dd_mean vs run
χ² / ndf 75.26 / 51
p0 −2008 ± 562.4
pull
Entries 52
Mean 50.6
Std Dev 0


pull1D
Entries 52
Mean −0.05839
Std Dev 1.202


asym_sam_37_48_dd_rms vs run
χ² / ndf 1825 / 51
p0 402.6 ± 0.3977
440
420
400
380
360
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
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8552. 6
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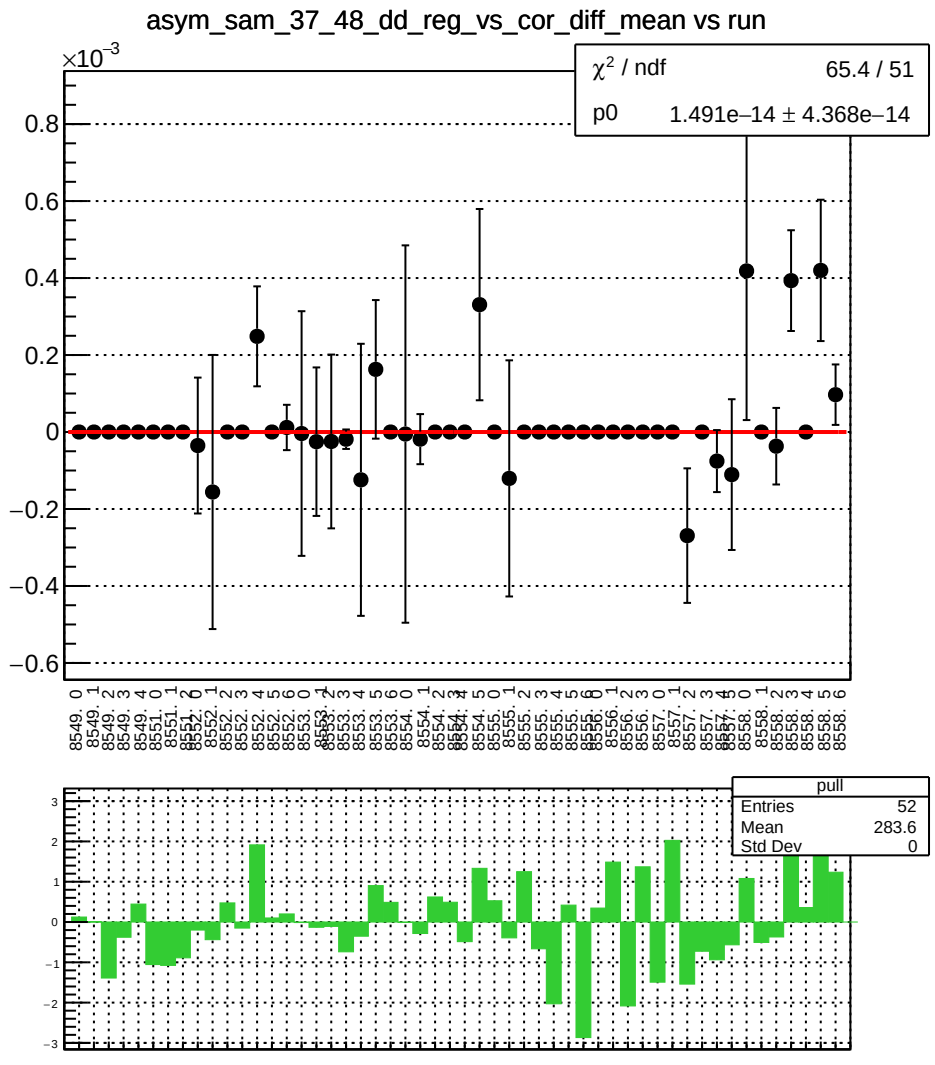
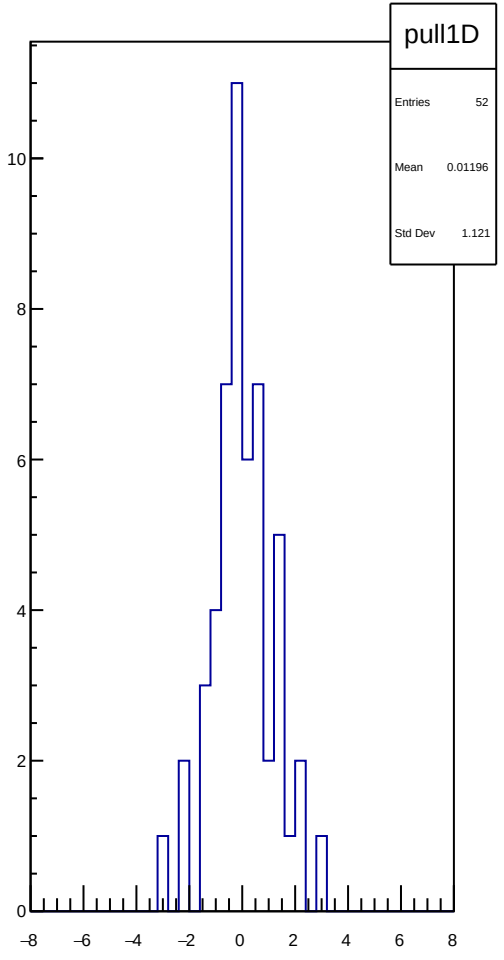
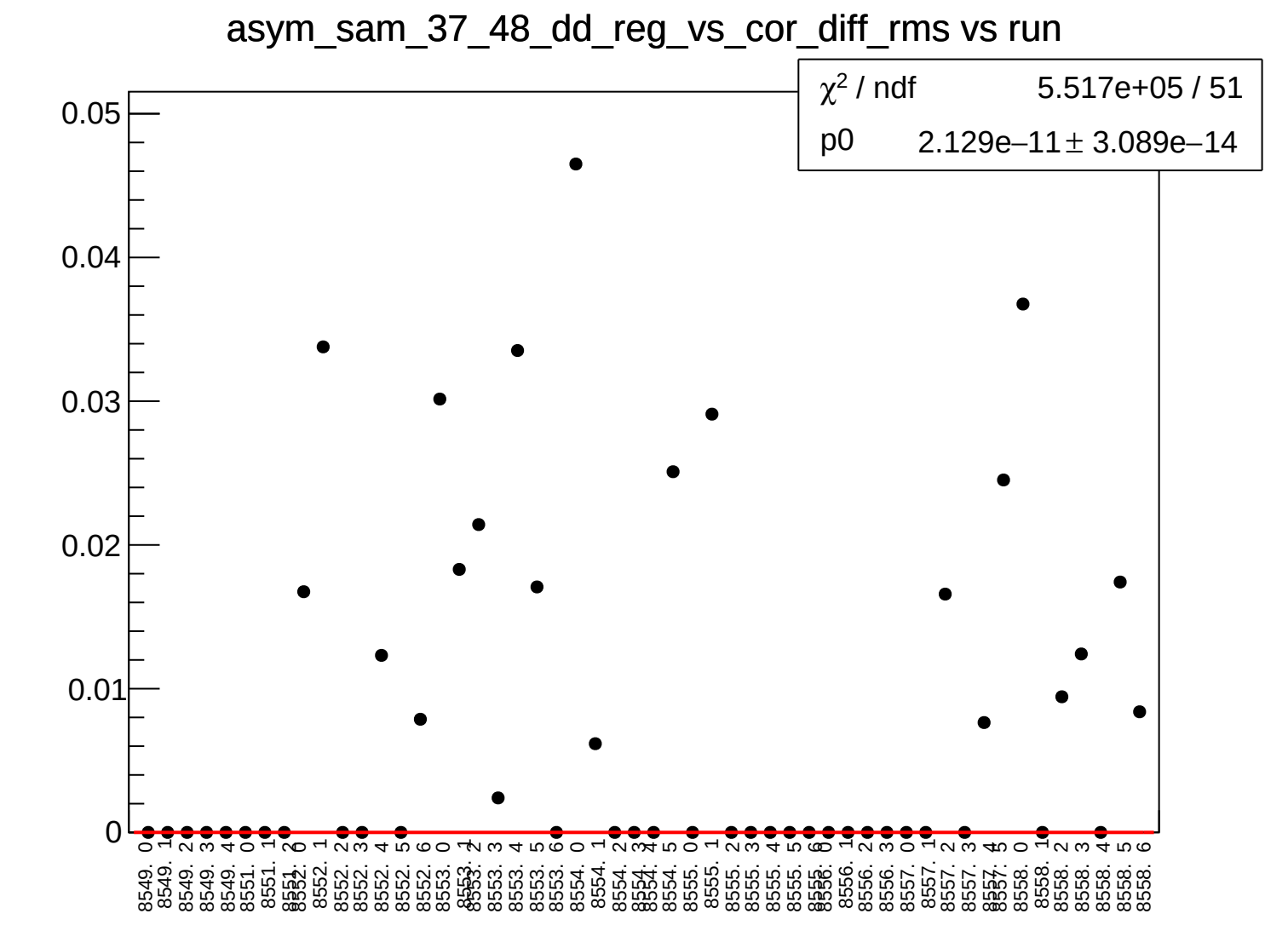
8558. 6


asym_sam_37_48_dd_reg_vs_cor_diff_mean vs run
×10⁻³
χ² / ndf 65.4 / 51
p0 1.491e−14 ± 4.368e−14
pull
Entries 52
Mean 283.6
Std Dev 0


pull1D
Entries 52
Mean 0.01196
Std Dev 1.121


asym_sam_37_48_dd_reg_vs_cor_diff_rms vs run
χ² / ndf 5.517e+05 / 51
p0 2.129e−11 ± 3.089e−14
0.05
0.04
0.03
0.02
0.01
0
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8549. 5
8549. 6
8551. 0
8551. 1
8551. 2
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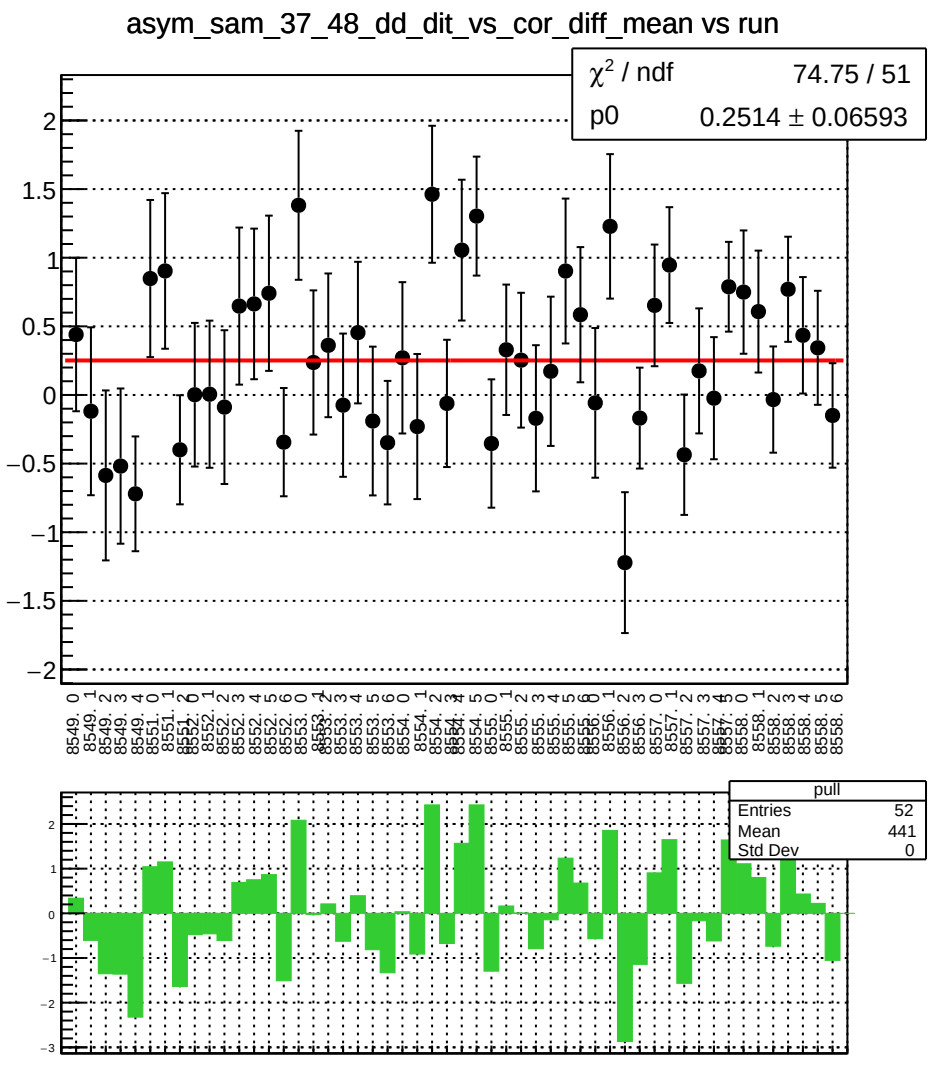
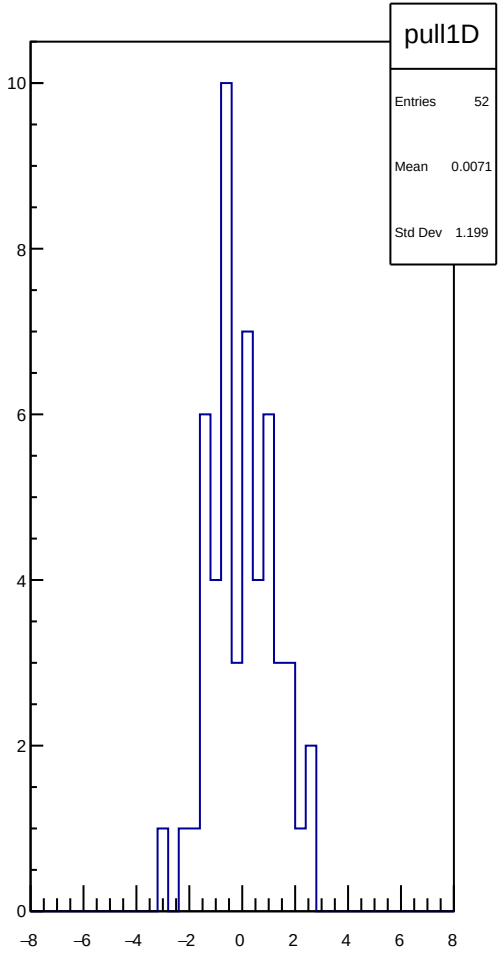
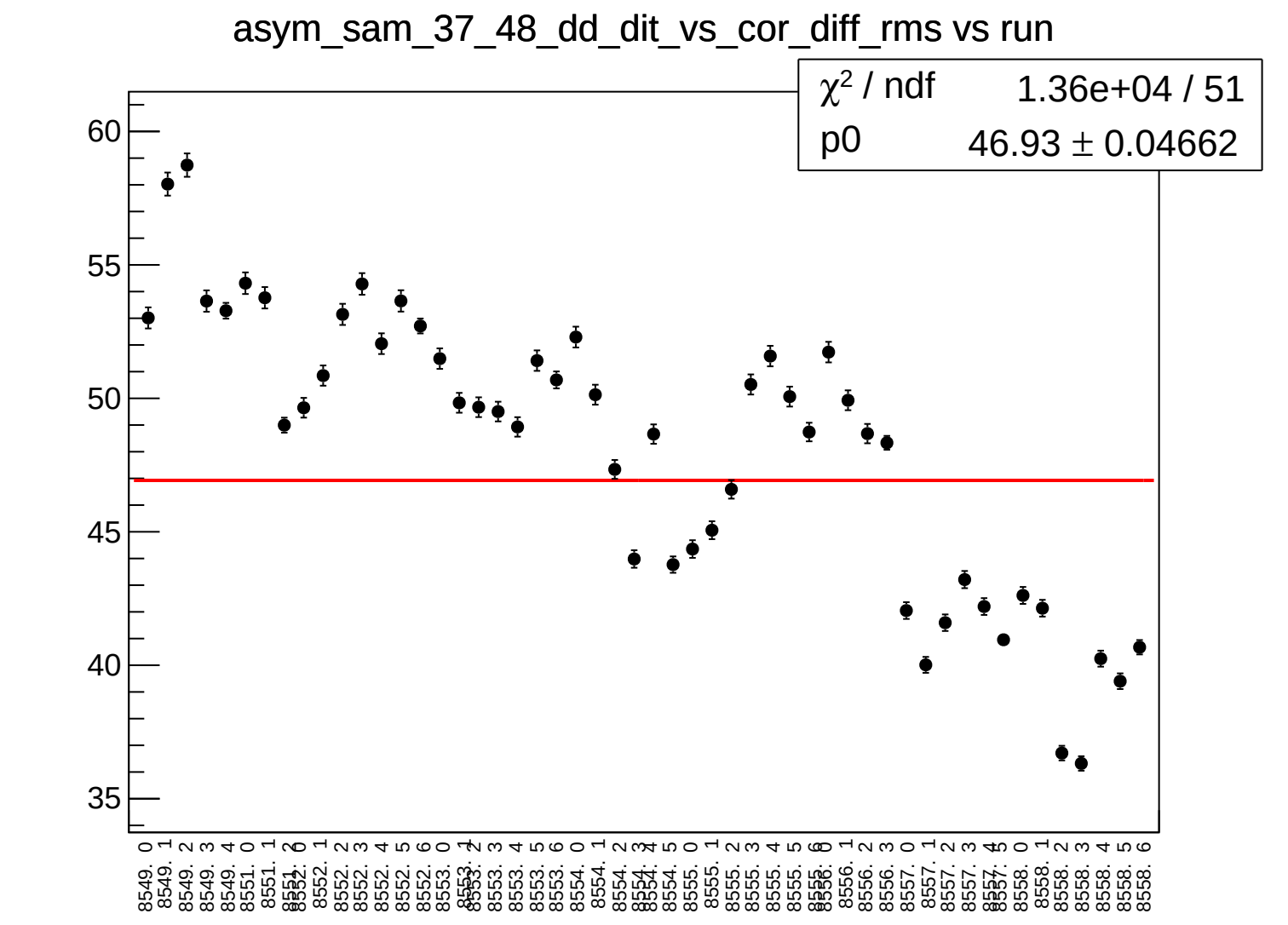
8558. 6


asym_sam_37_48_dd_dit_vs_cor_diff_mean vs run
χ² / ndf 74.75 / 51
p0 0.2514 ± 0.06593
pull
Entries 52
Mean 441
Std Dev 0


pull1D
Entries 52
Mean 0.0071
Std Dev 1.199


asym_sam_37_48_dd_dit_vs_cor_diff_rms vs run
χ² / ndf 1.36e+04 / 51
p0 46.93 ± 0.04662
60
55
50
45
40
35
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
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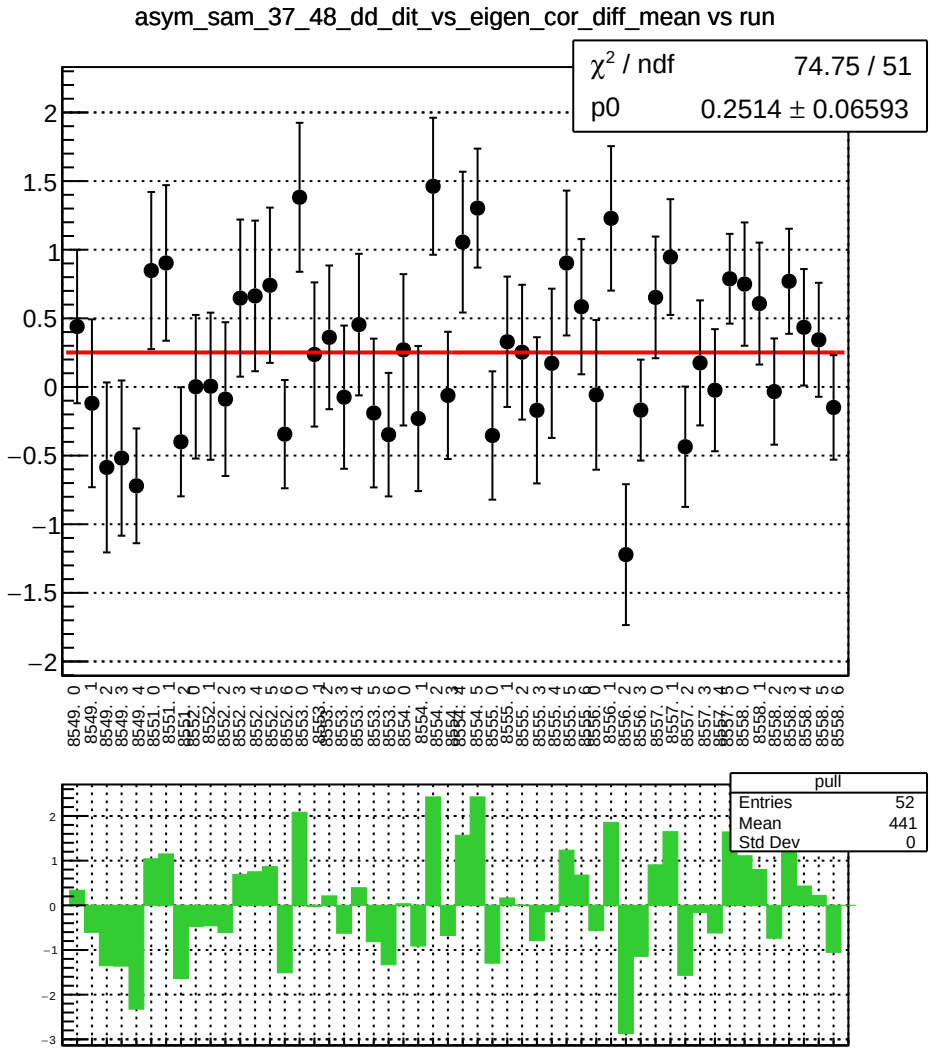
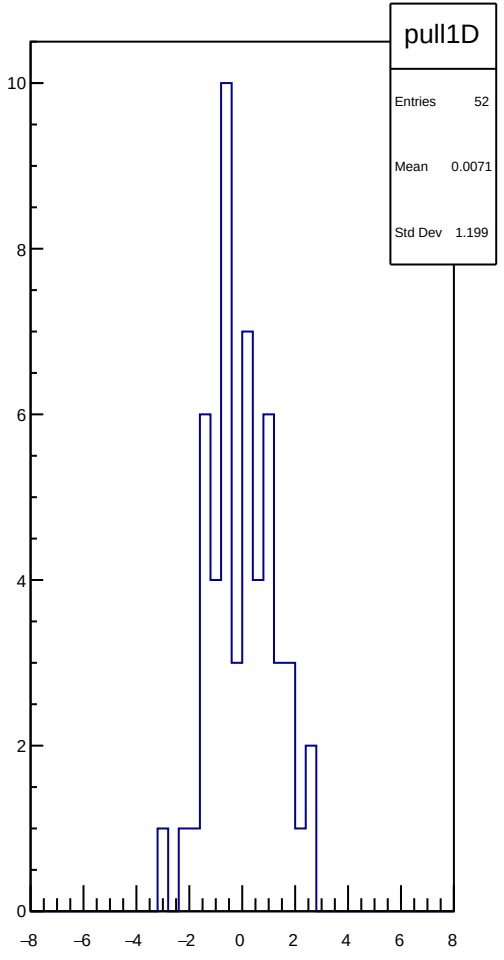
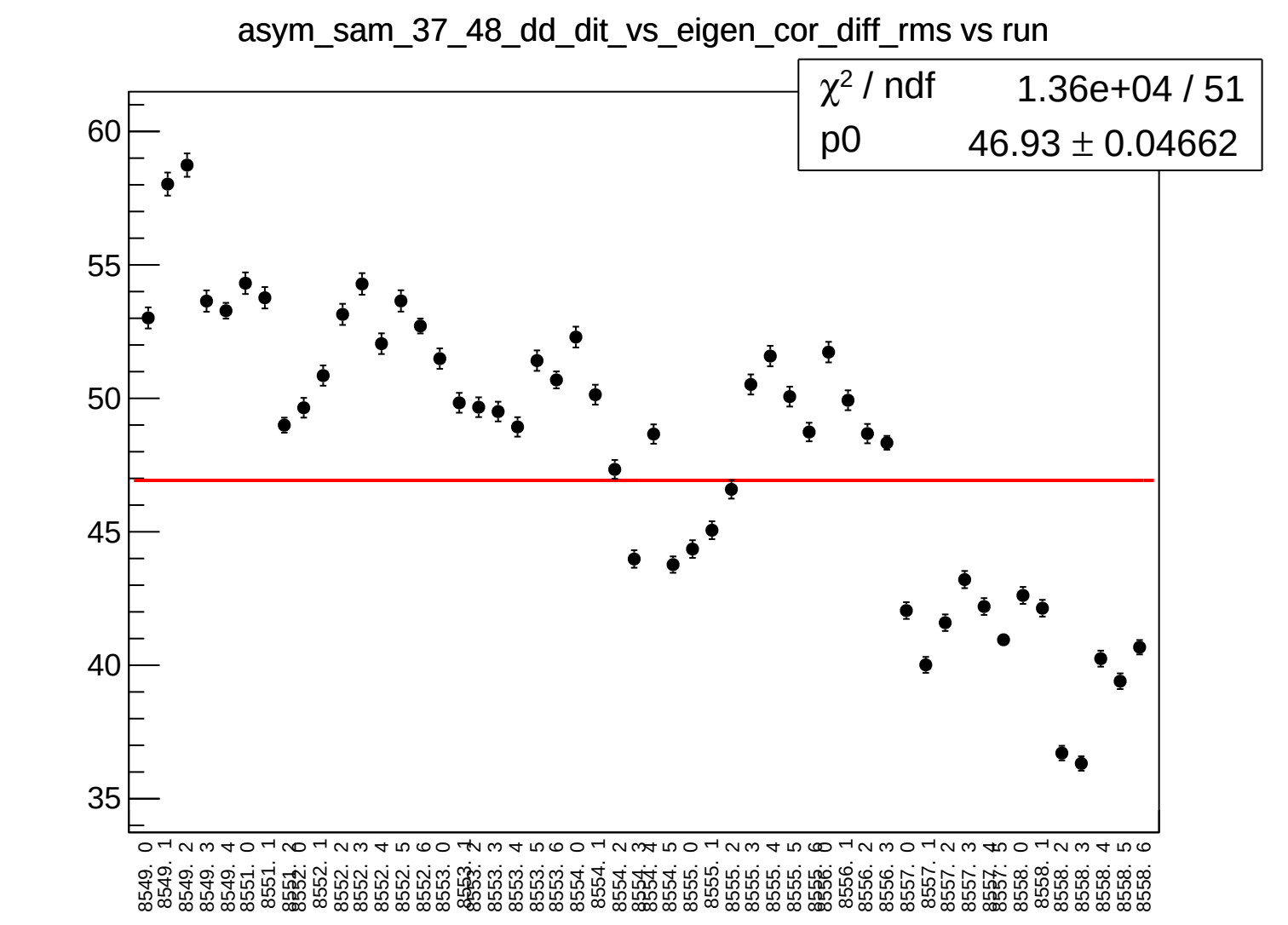

asym_sam_37_48_dd_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 74.75 / 51
p0 0.2514 ± 0.06593
pull
Entries 52
Mean 441
Std Dev 0


pull1D
Entries 52
Mean 0.0071
Std Dev 1.199


asym_sam_37_48_dd_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.36e+04 / 51
p0 46.93 ± 0.04662
60
55
50
45
40
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8549. 0
8549. 1
8549. 2
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8551. 0
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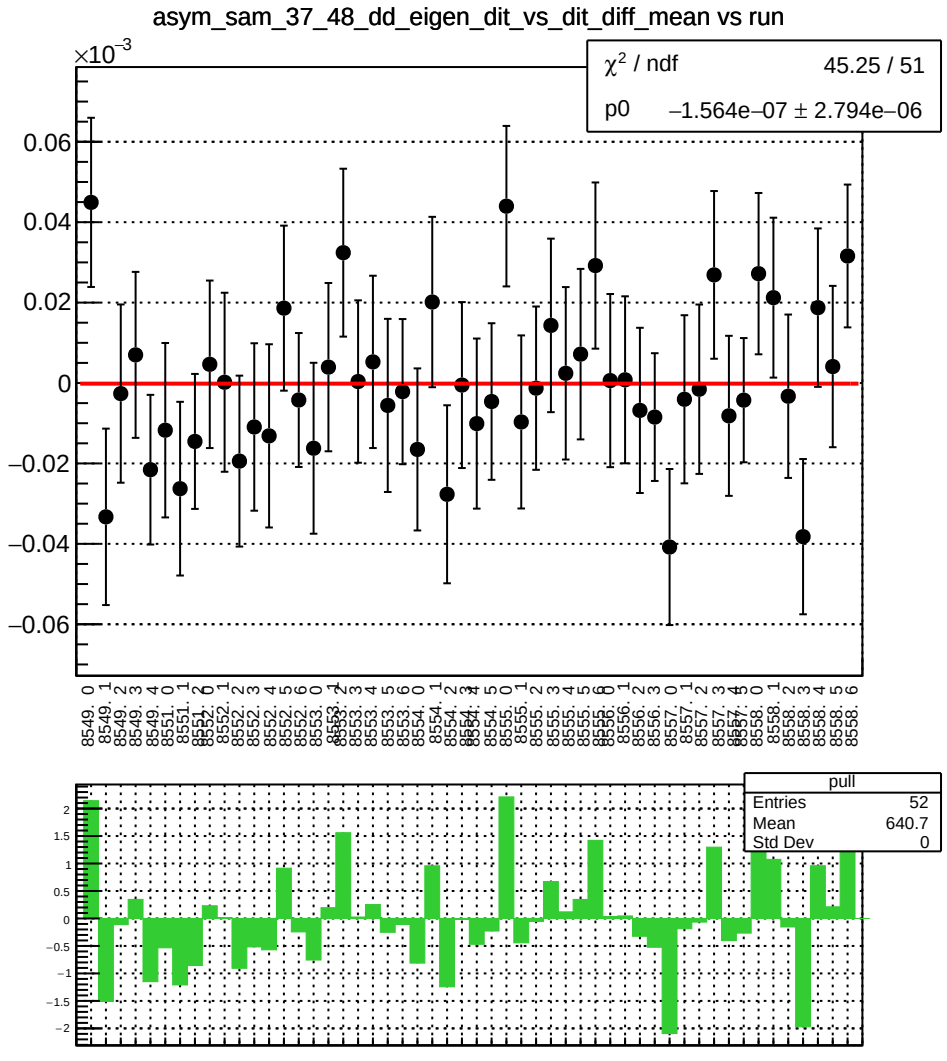
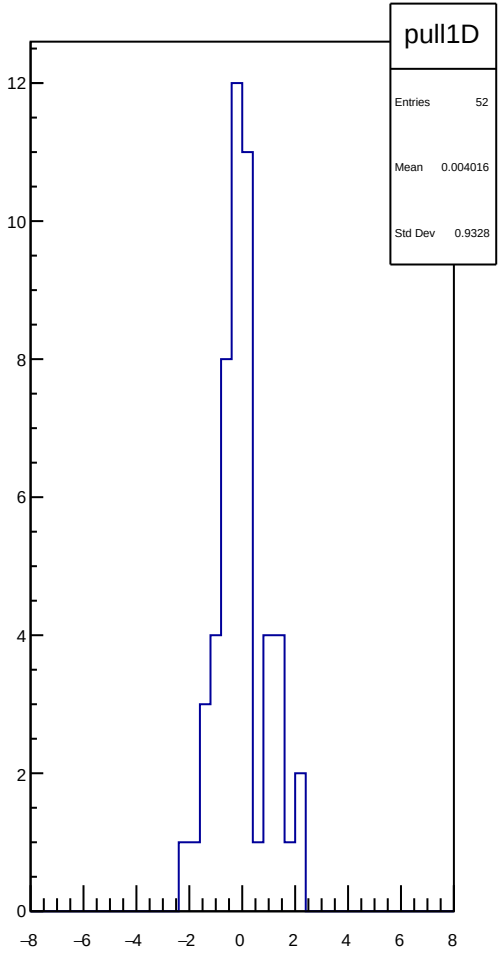
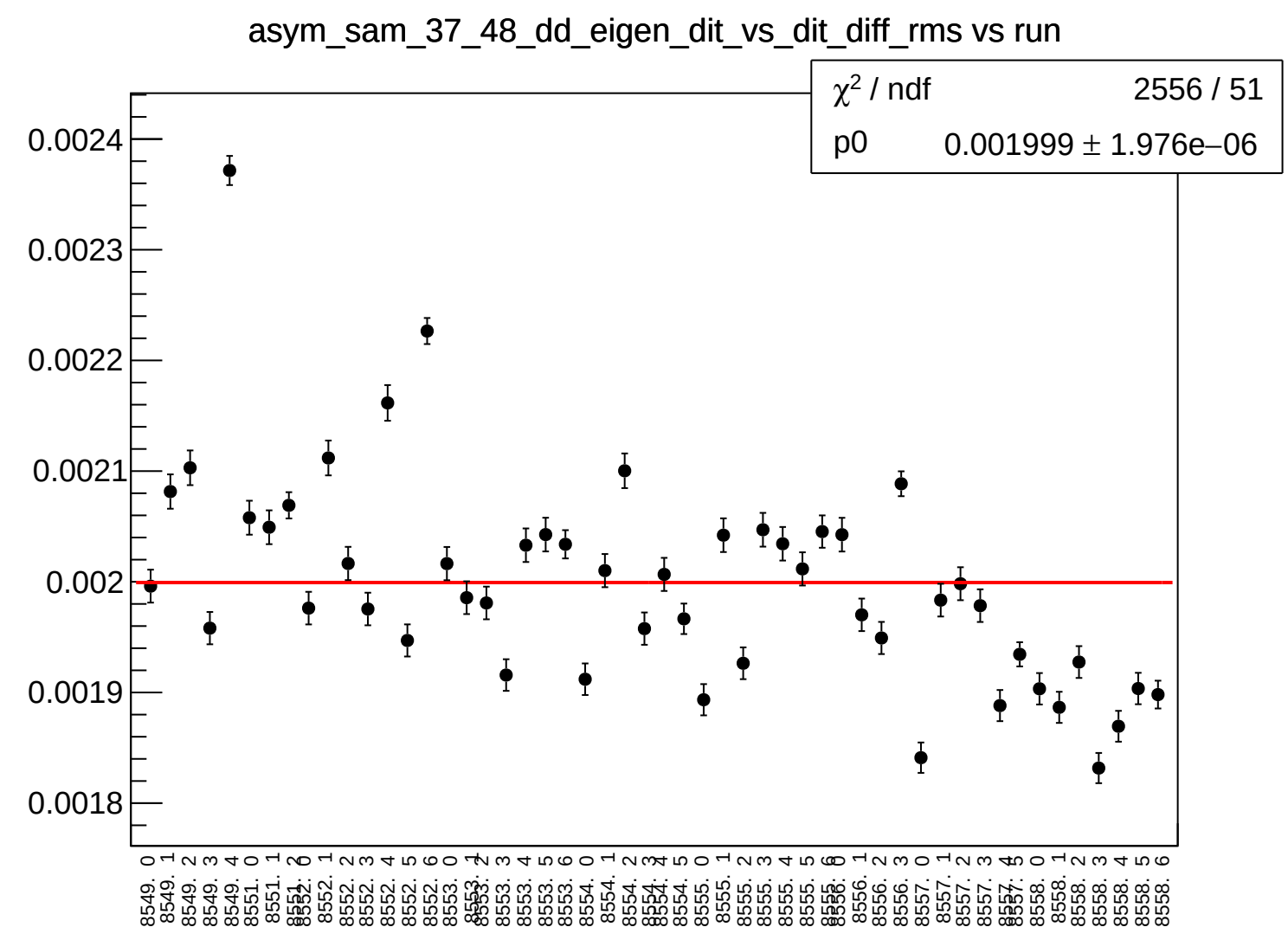
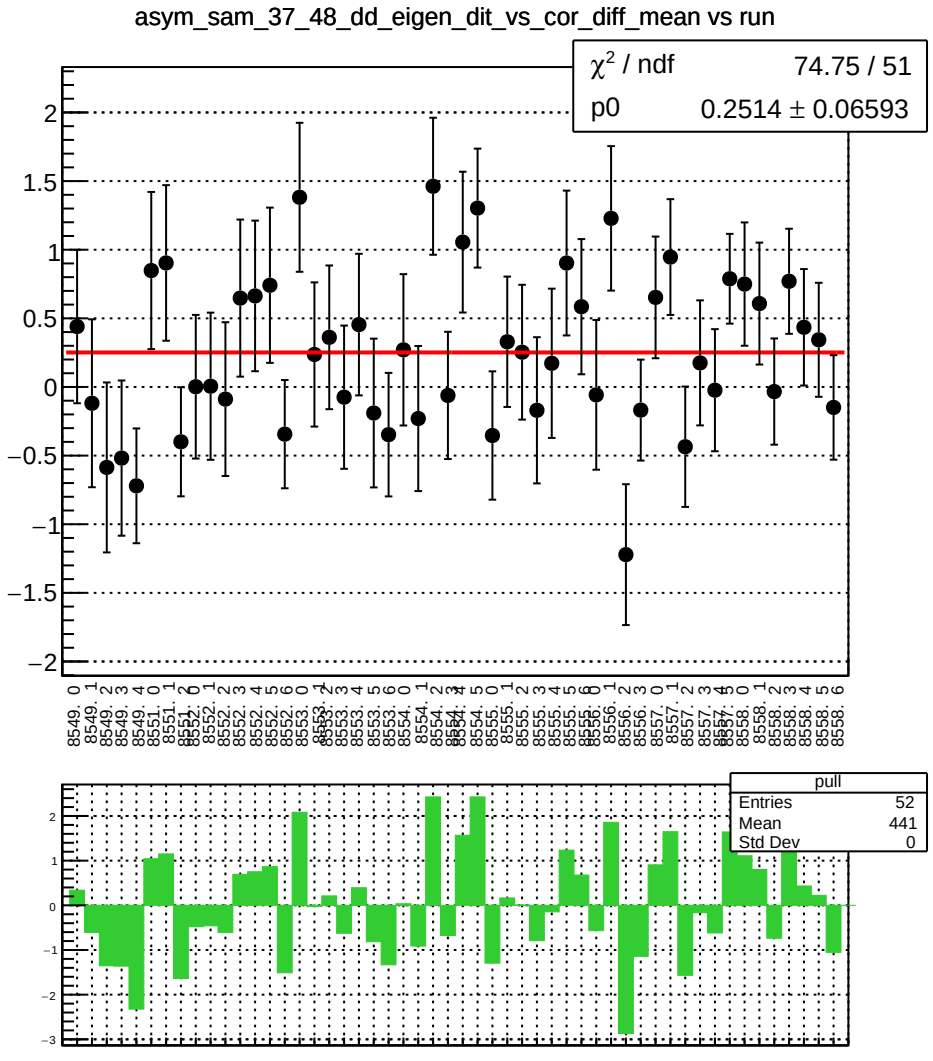
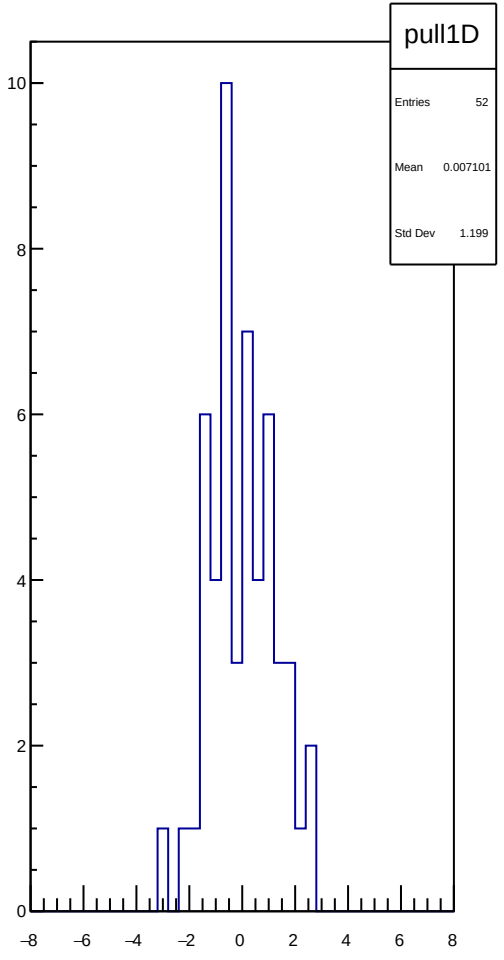
8558. 5
8558. 6

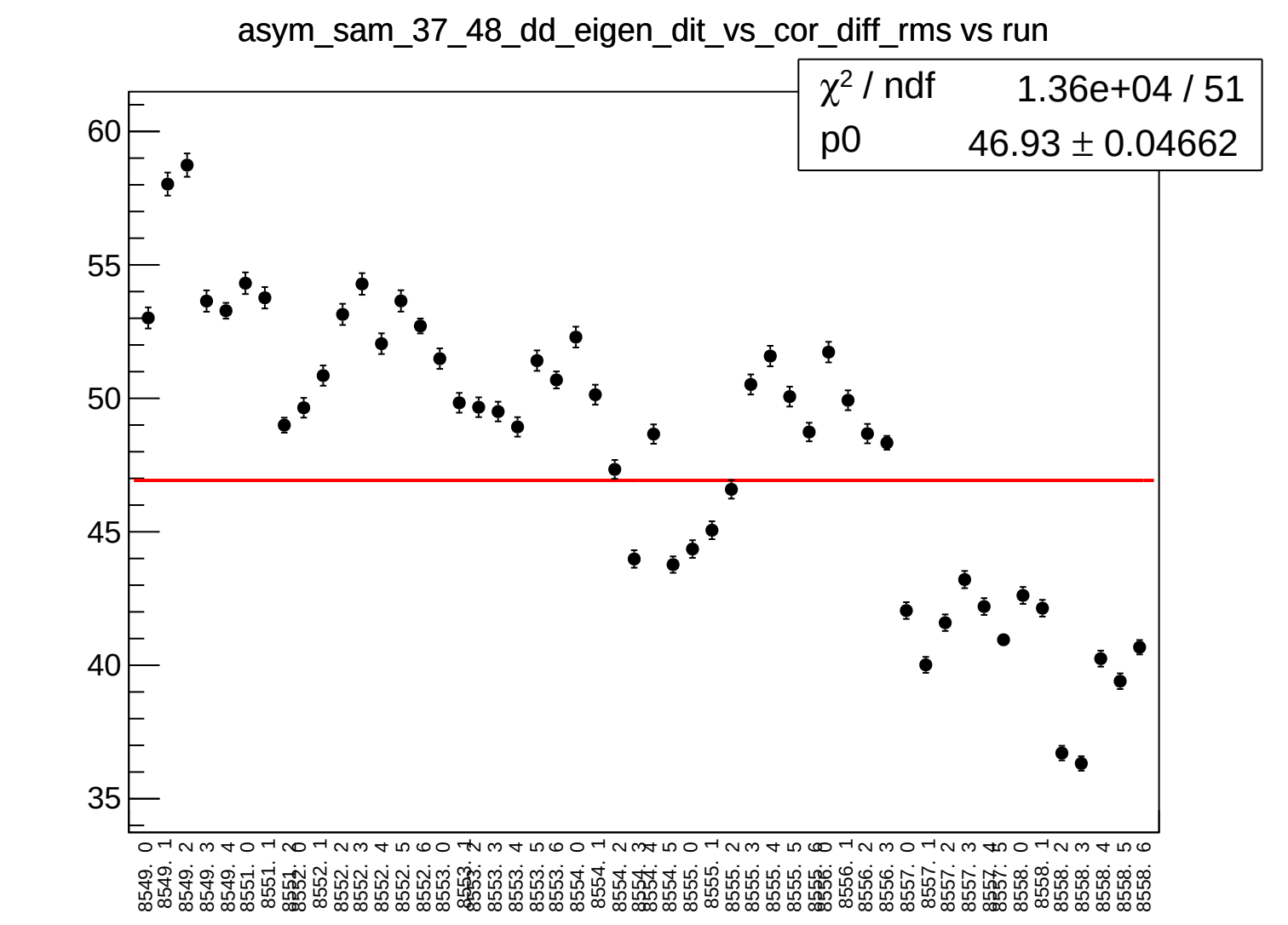

asym_sam_37_48_dd_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 45.25 / 51
p0 −1.564e−07 ± 2.794e−06
0.06
0.04
0.02
0
−0.02
−0.04
−0.06
pull
Entries 52
Mean 640.7
Std Dev 0

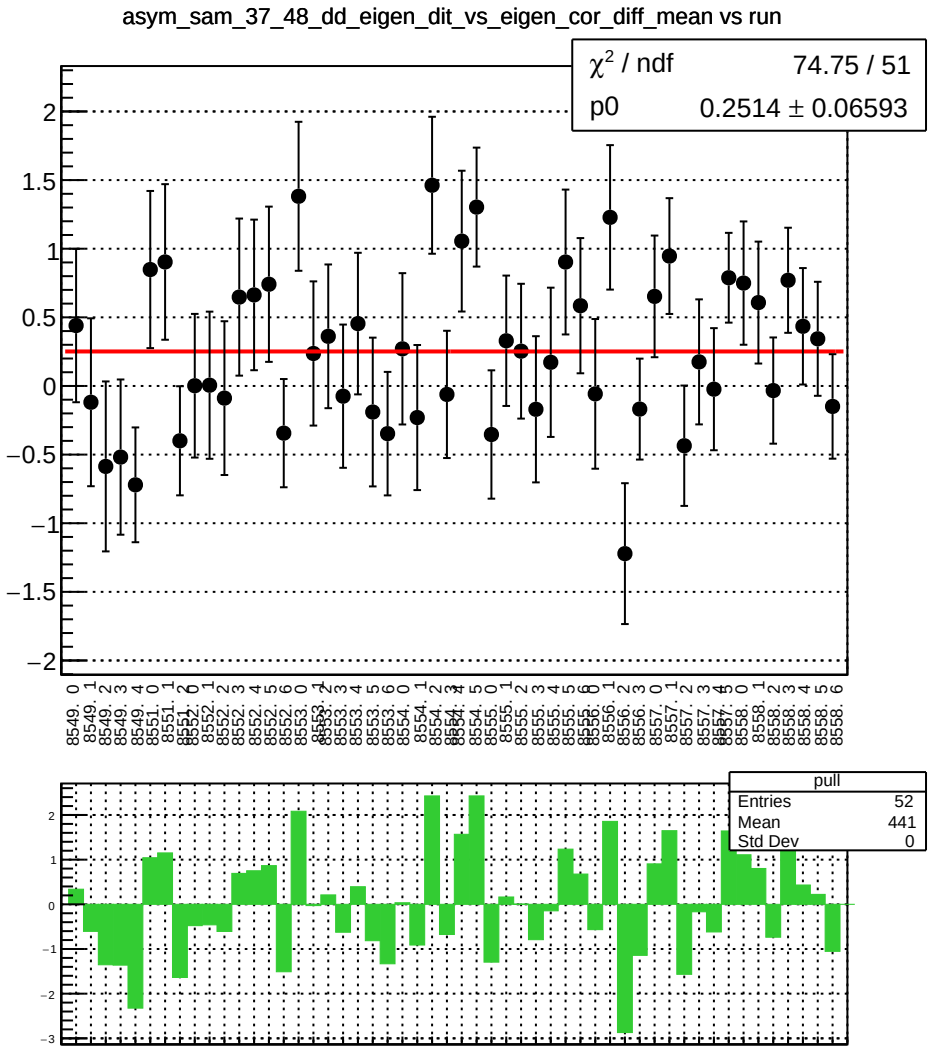

pull1D
Entries 52
Mean 0.004016
Std Dev 0.9328
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

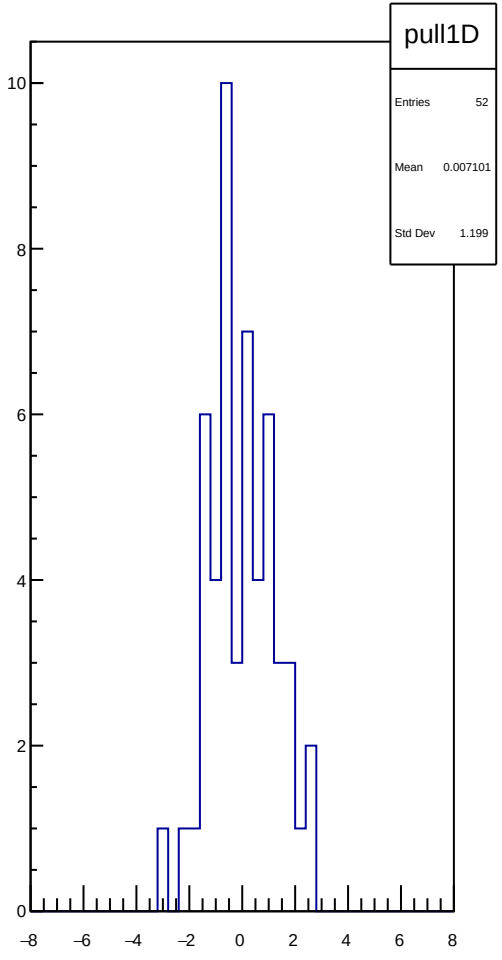

asym_sam_37_48_dd_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 2556 / 51
p0 0.001999 ± 1.976e−06
0.0024
0.0023
0.0022
0.0021
0.002
0.0019
0.0018
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 5
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

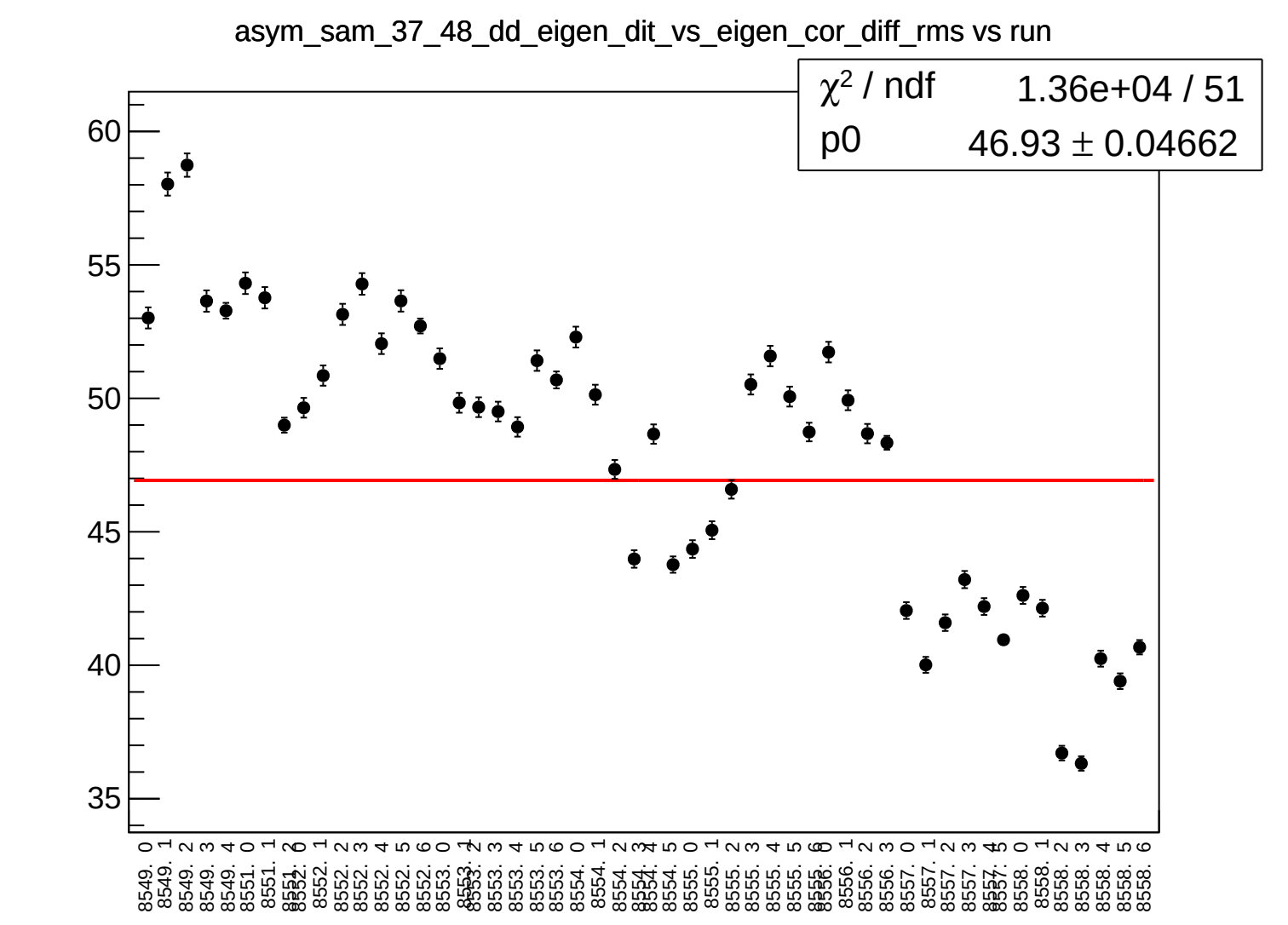

asym_sam_37_48_dd_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 74.75 / 51
p0 0.2514 ± 0.06593
pull
Entries 52
Mean 441
Std Dev 0


pull1D
Entries 52
Mean 0.007101
Std Dev 1.199


asym_sam_37_48_dd_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 1.36e+04 / 51
p0 46.93 ± 0.04662
60
55
50
45
40
35
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 5
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6


asym_sam_37_48_dd_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 74.75 / 51
p0 0.2514 ± 0.06593
pull
Entries 52
Mean 441
Std Dev 0


pull1D
Entries 52
Mean 0.007101
Std Dev 1.199


asym_sam_37_48_dd_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.36e+04 / 51
p0 46.93 ± 0.04662
60
55
50
45
40
35
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
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8557. 3
8558. 0
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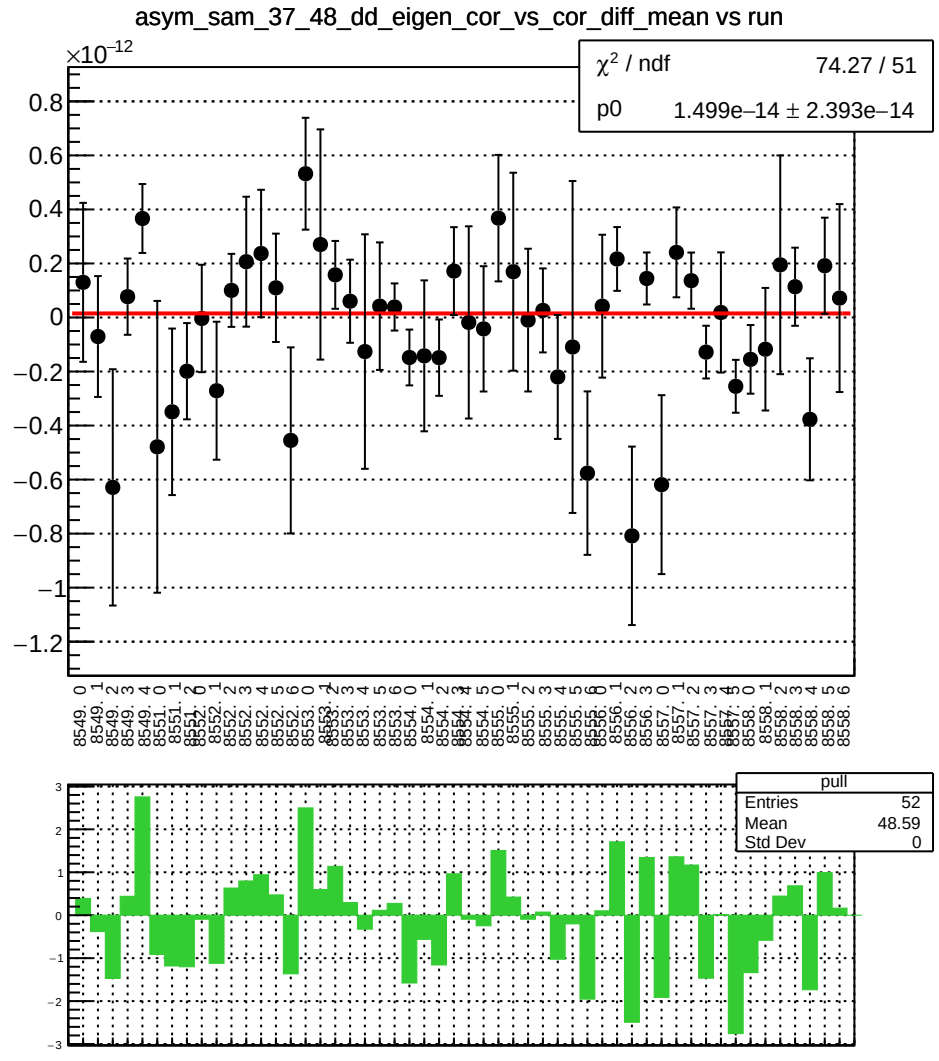
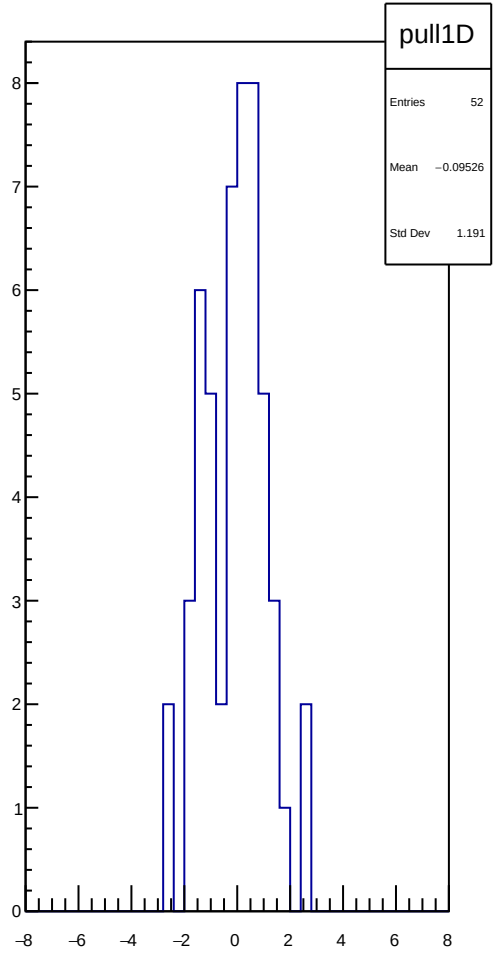
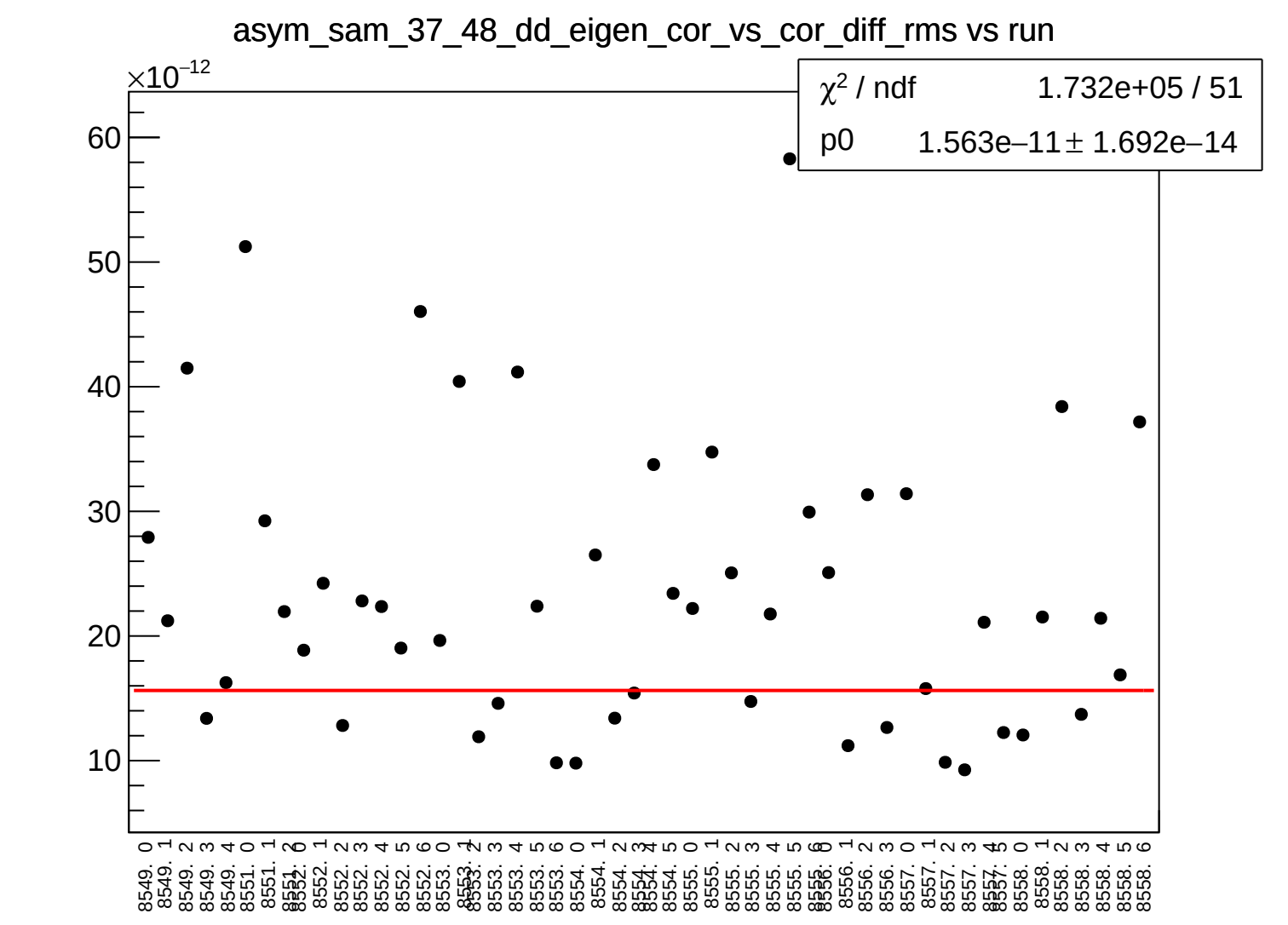
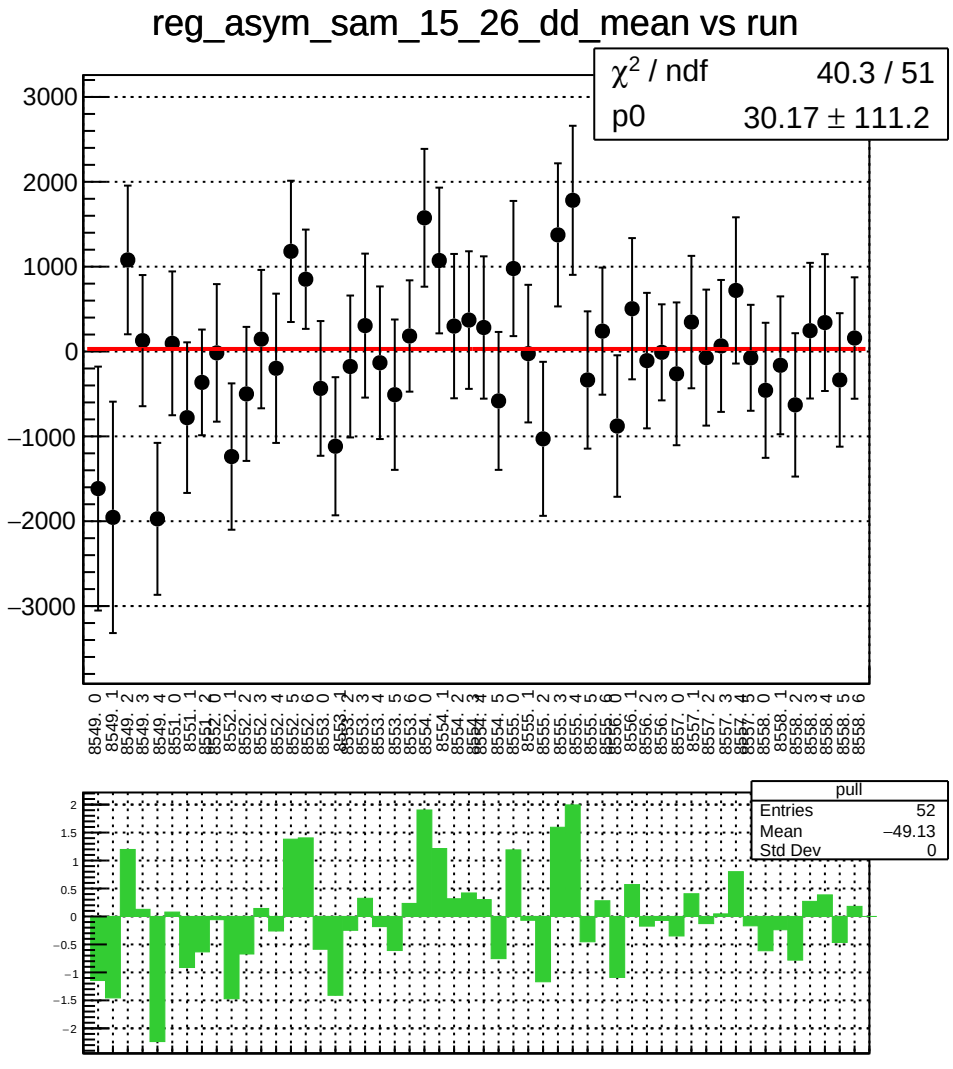
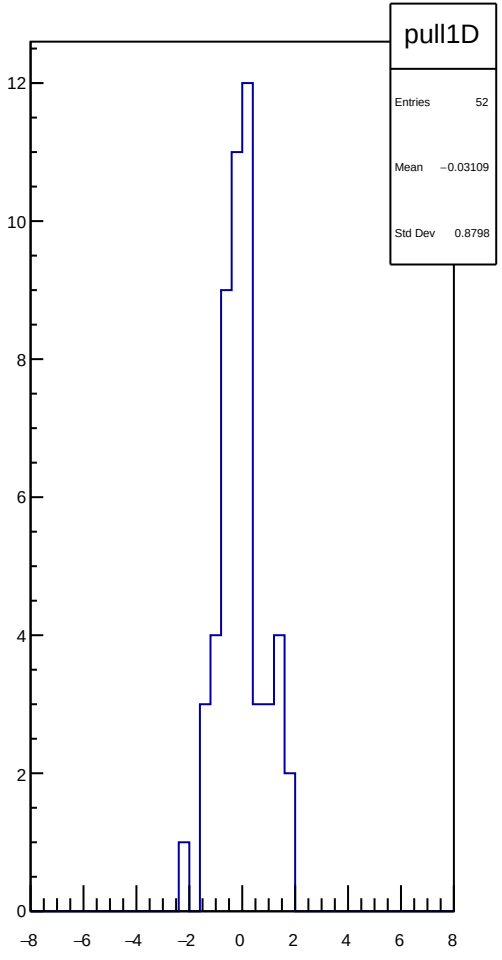
8558. 3
8558. 4
8558. 5
8558. 6

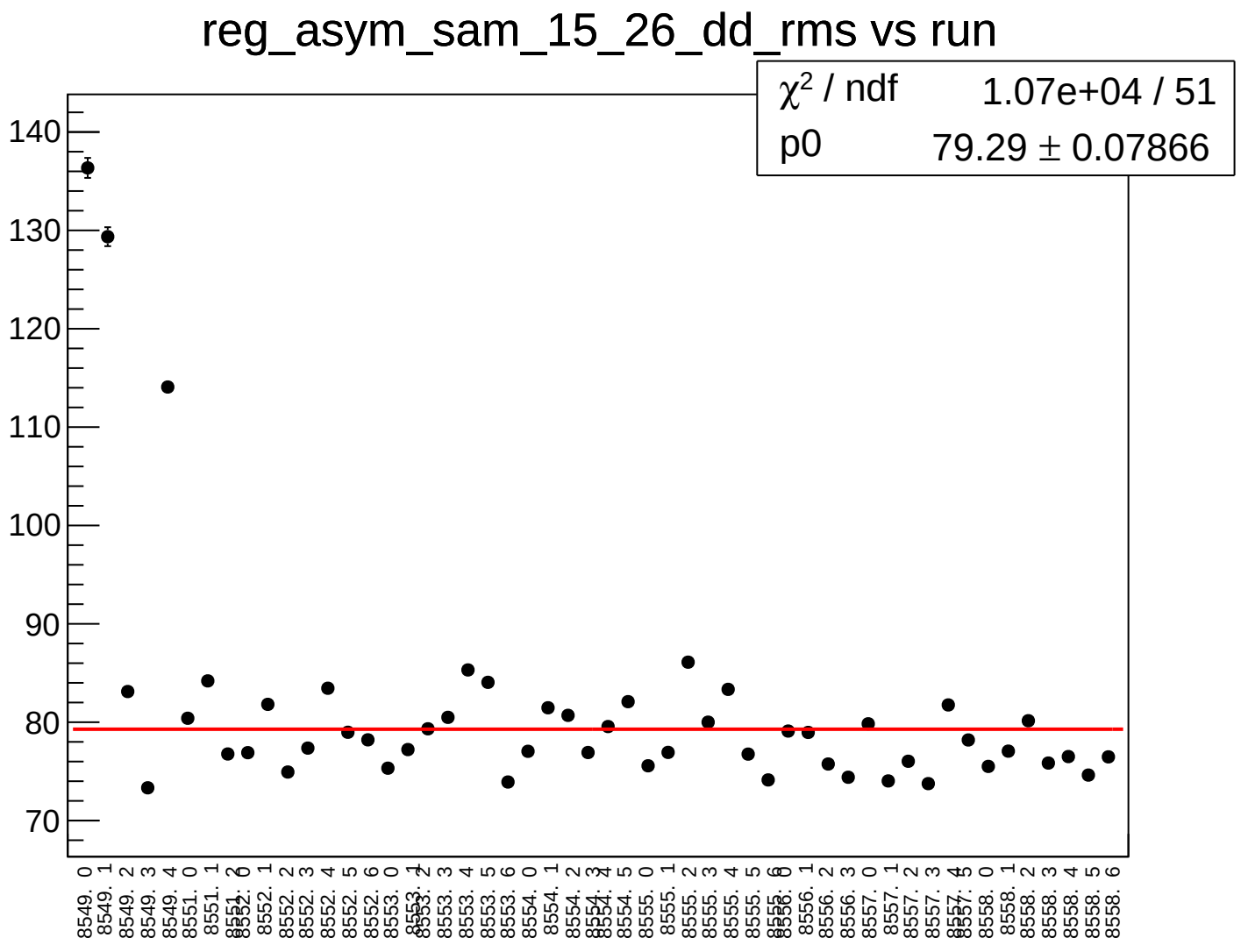

asym_sam_37_48_dd_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 74.27 / 51
p0 1.499e−14 ± 2.393e−14
pull
Entries 52
Mean 48.59
Std Dev 0

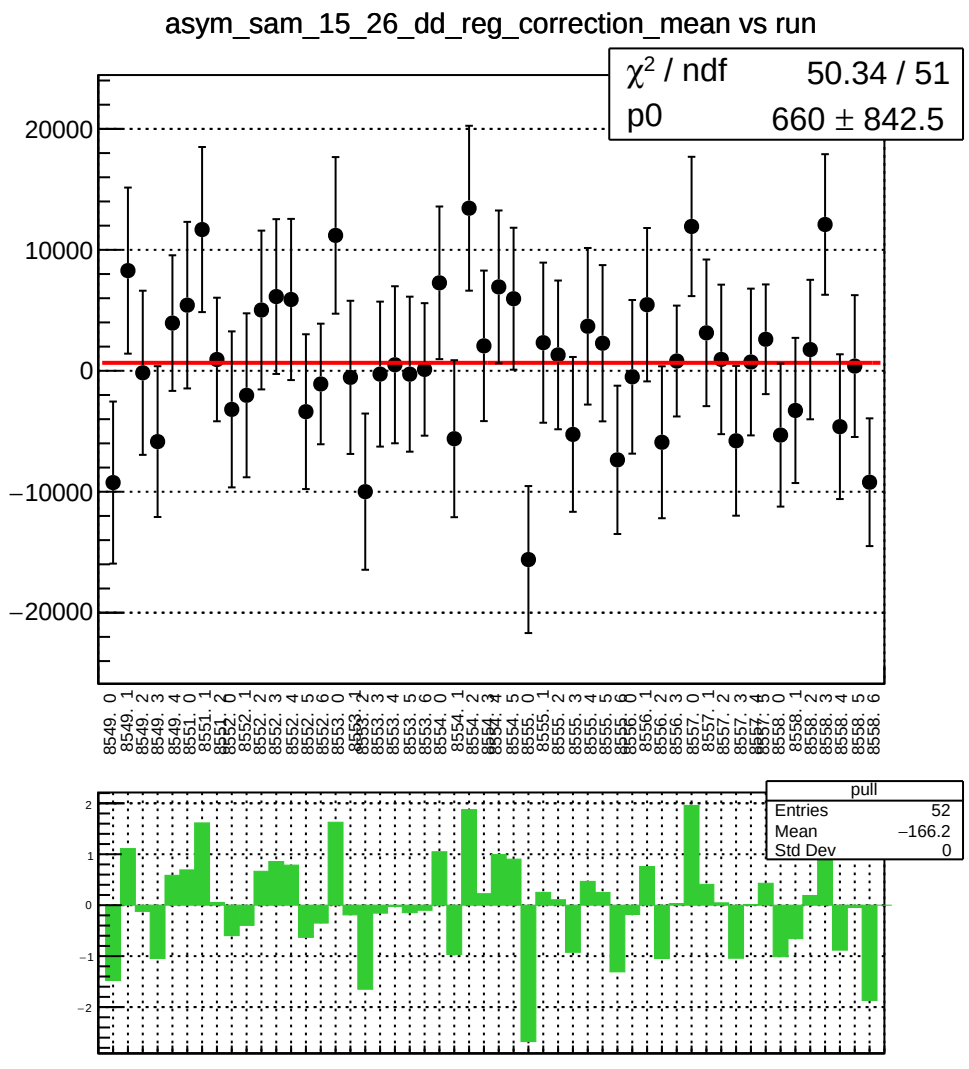

pull1D
Entries 52
Mean −0.09526
Std Dev 1.191

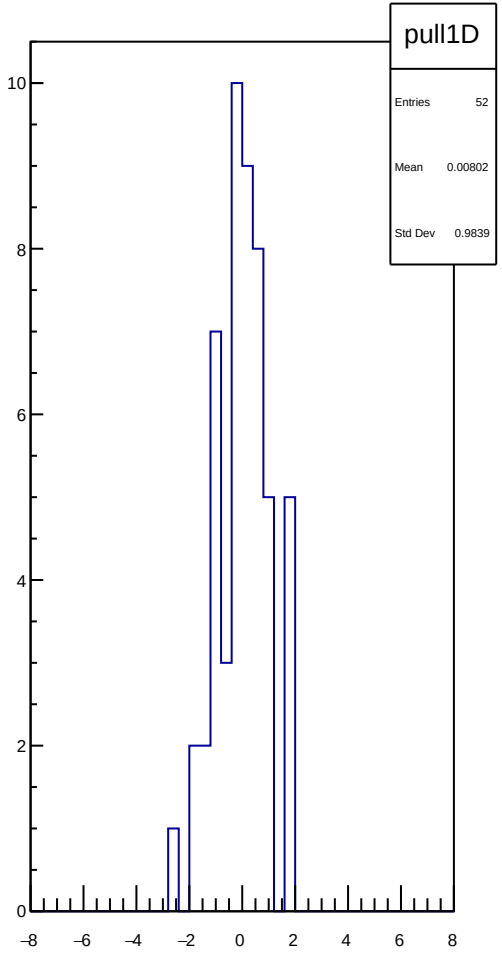

asym_sam_37_48_dd_eigen_cor_vs_cor_diff_rms vs run
×10⁻¹²
χ² / ndf 1.732e+05 / 51
p0 1.563e−11 ± 1.692e−14
60
50
40
30
20
10
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

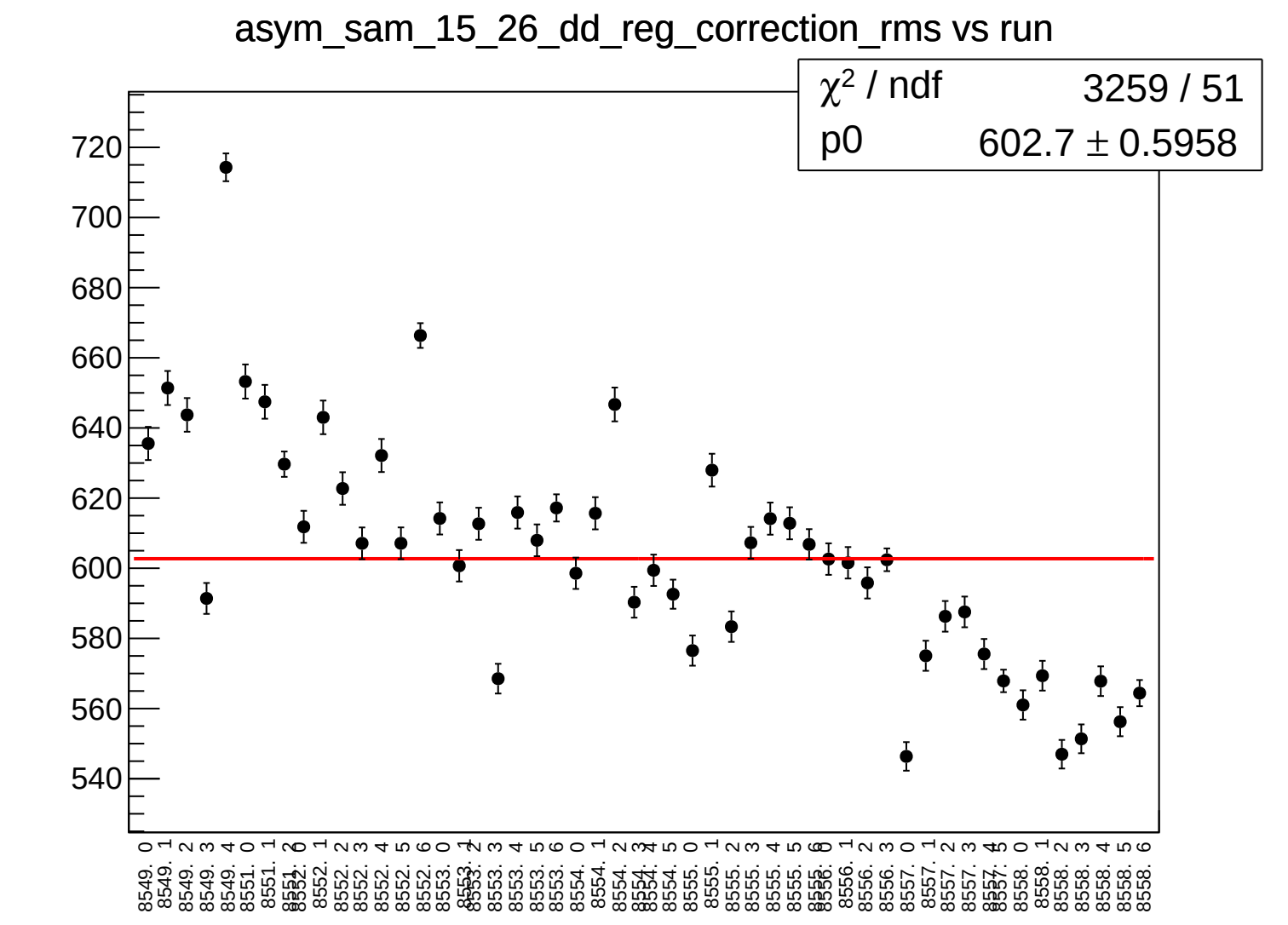

reg_asym_sam_15_26_dd_mean vs run
χ² / ndf 40.3 / 51
p0 30.17 ± 111.2
pull
Entries 52
Mean −49.13
Std Dev 0

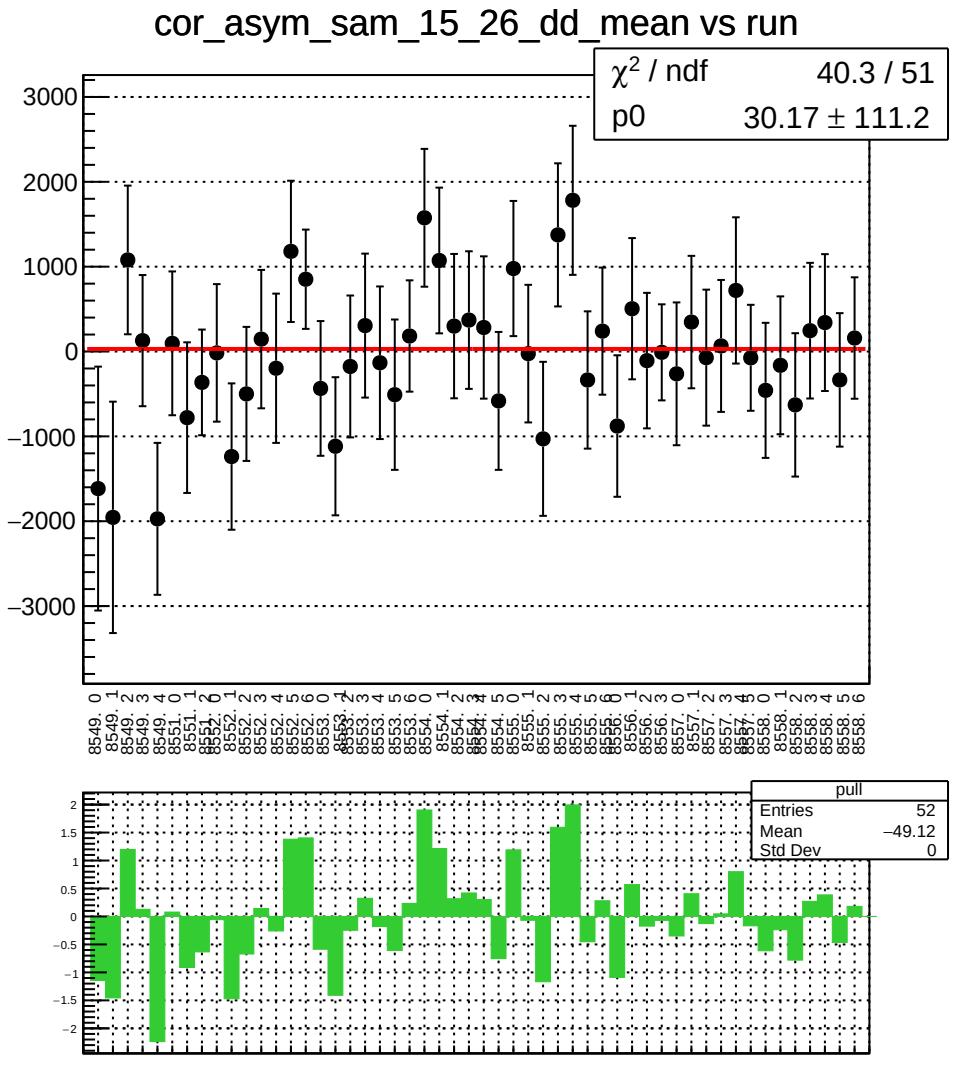

pull1D
Entries 52
Mean −0.03109
Std Dev 0.8798

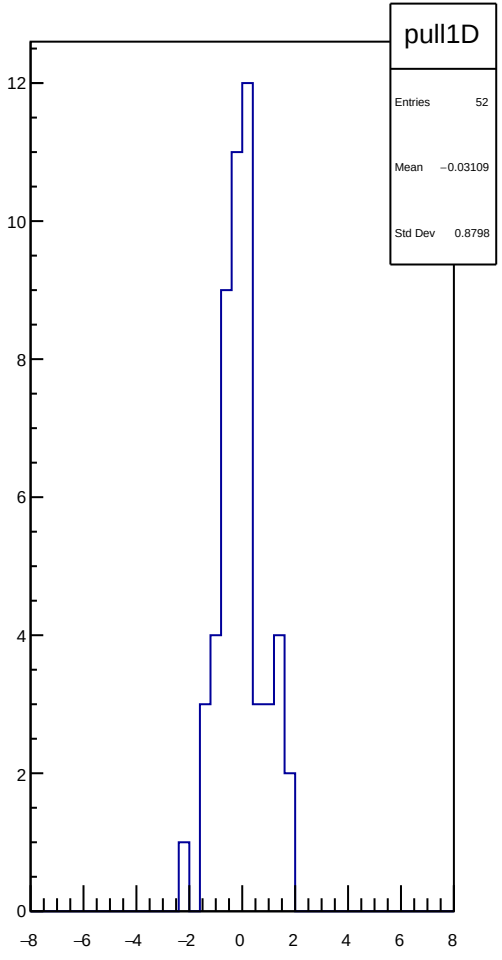

reg_asym_sam_15_26_dd_rms vs run
χ² / ndf 1.07e+04 / 51
p0 79.29 ± 0.07866
140
130
120
110
100
90
80
70
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 5
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

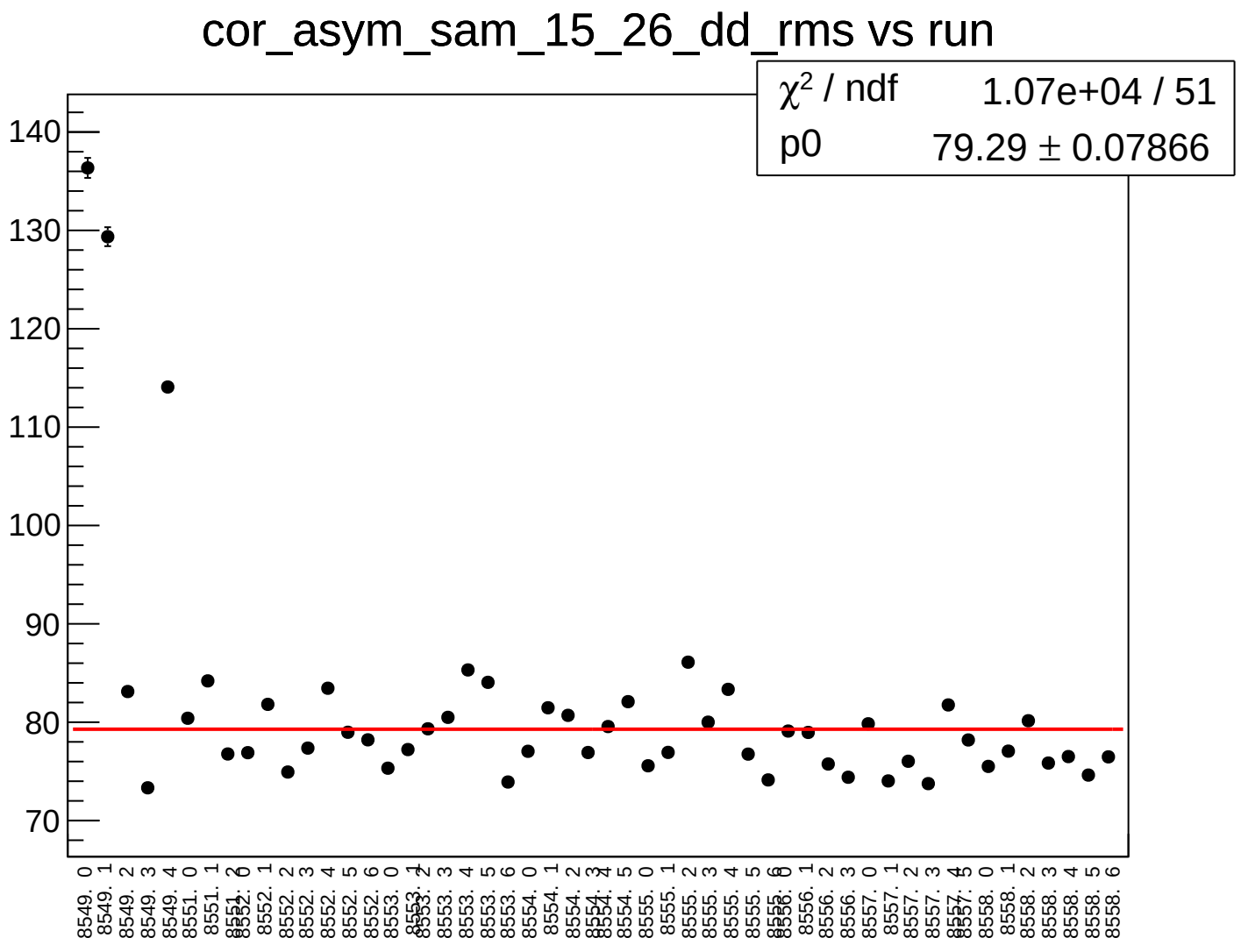

asym_sam_15_26_dd_reg_correction_mean vs run
χ² / ndf 50.34 / 51
p0 660 ± 842.5
20000
10000
0
−10000
−20000
pull
Entries 52
Mean −166.2
Std Dev 0
2
1
0
−1
−2

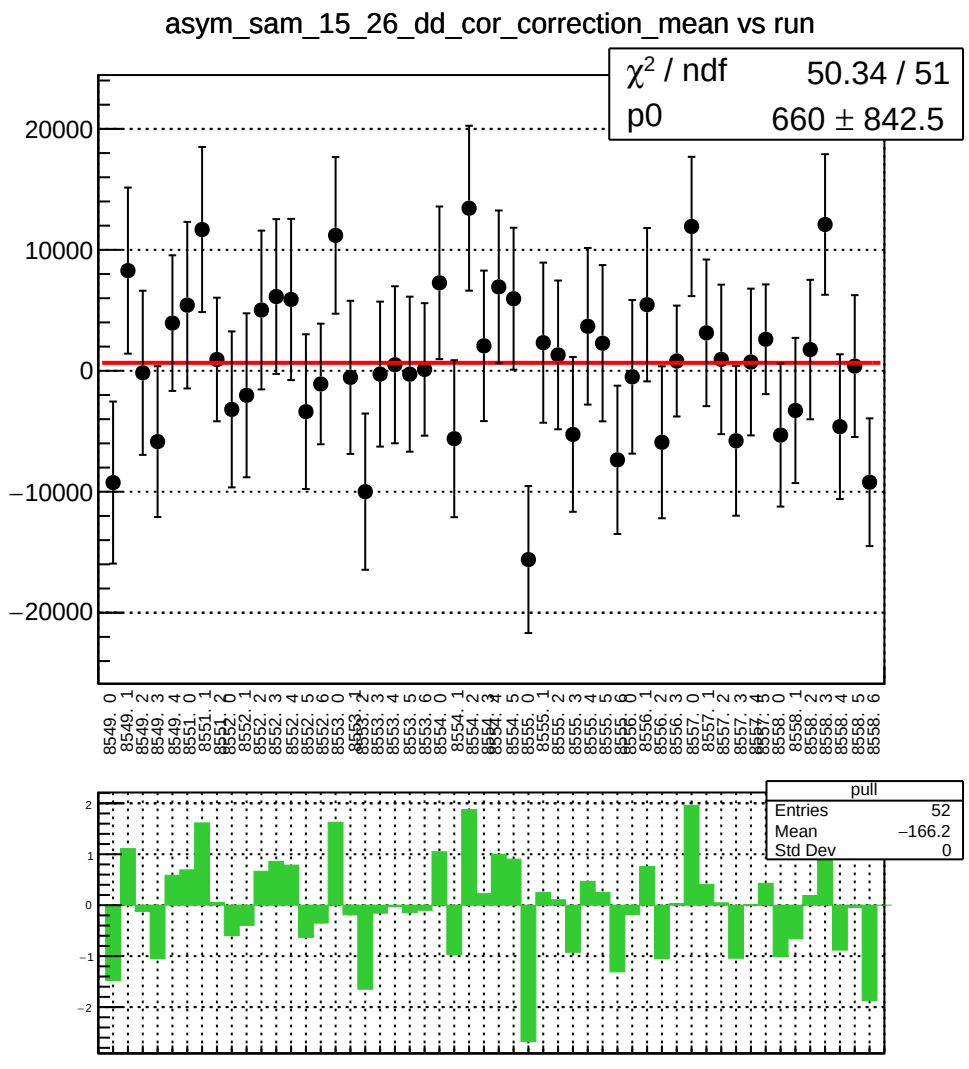

pull1D
Entries 52
Mean 0.00802
Std Dev 0.9839
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

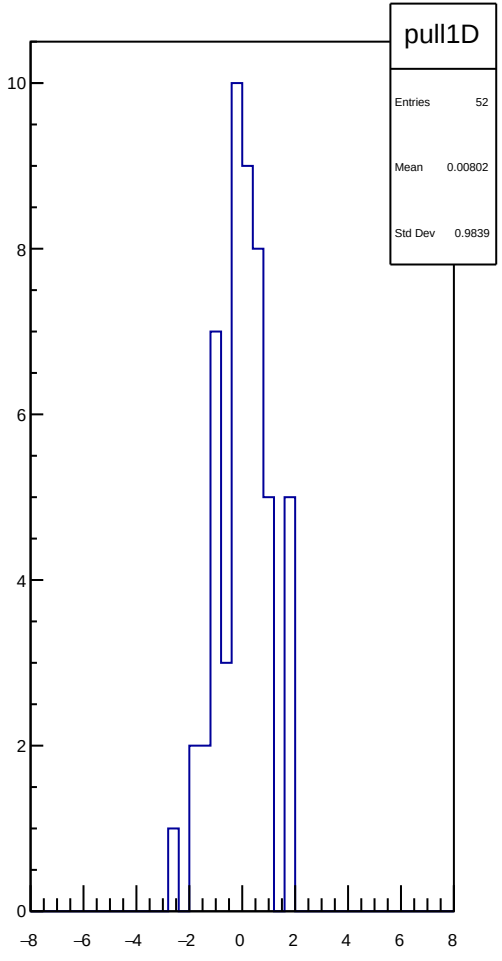

asym_sam_15_26_dd_reg_correction_rms vs run
χ² / ndf 3259 / 51
p0 602.7 ± 0.5958
720
700
680
660
640
620
600
580
560
540
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

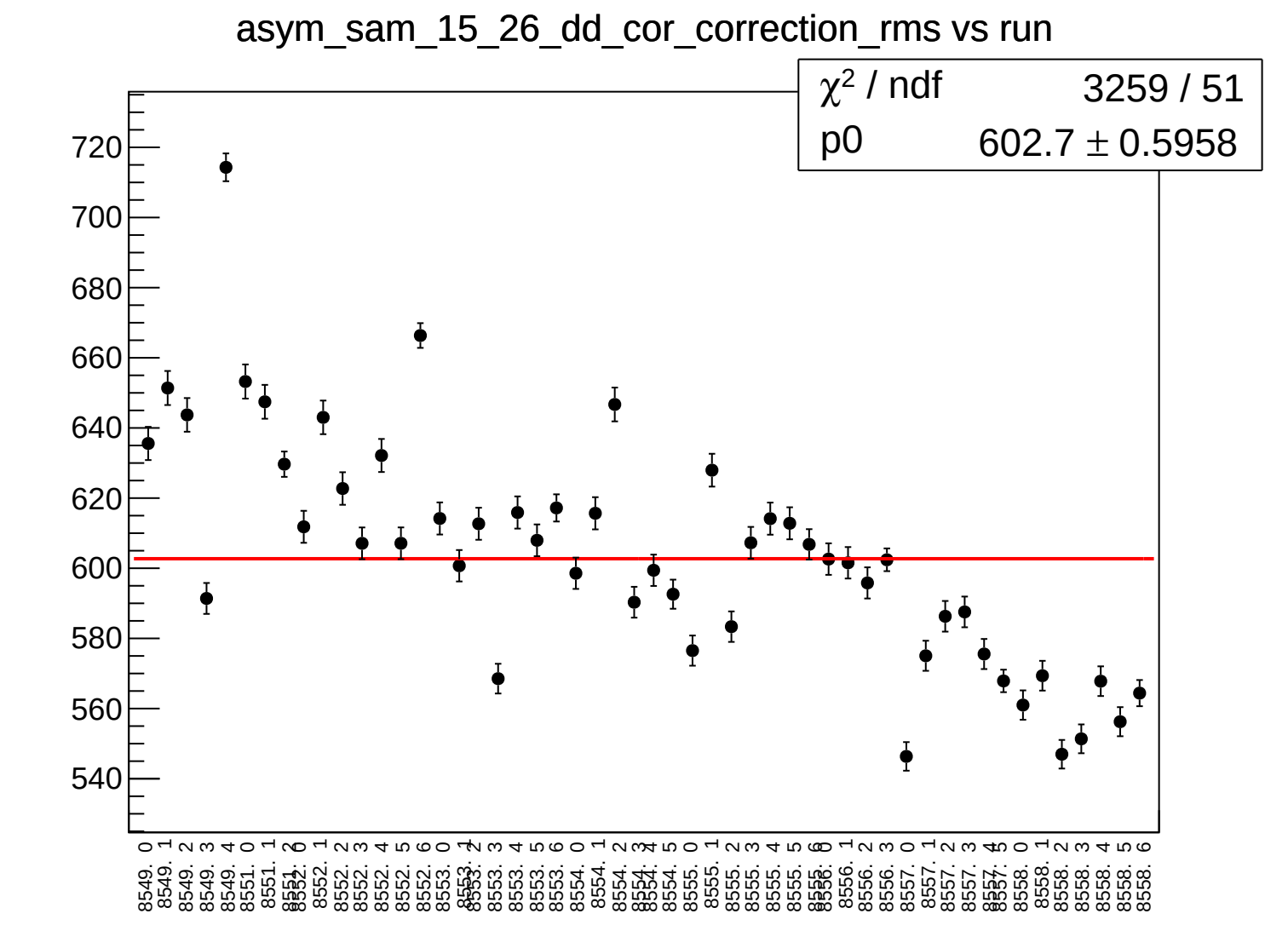

cor_asym_sam_15_26_dd_mean vs run
χ² / ndf 40.3 / 51
p0 30.17 ± 111.2
pull
Entries 52
Mean −49.12
Std Dev 0

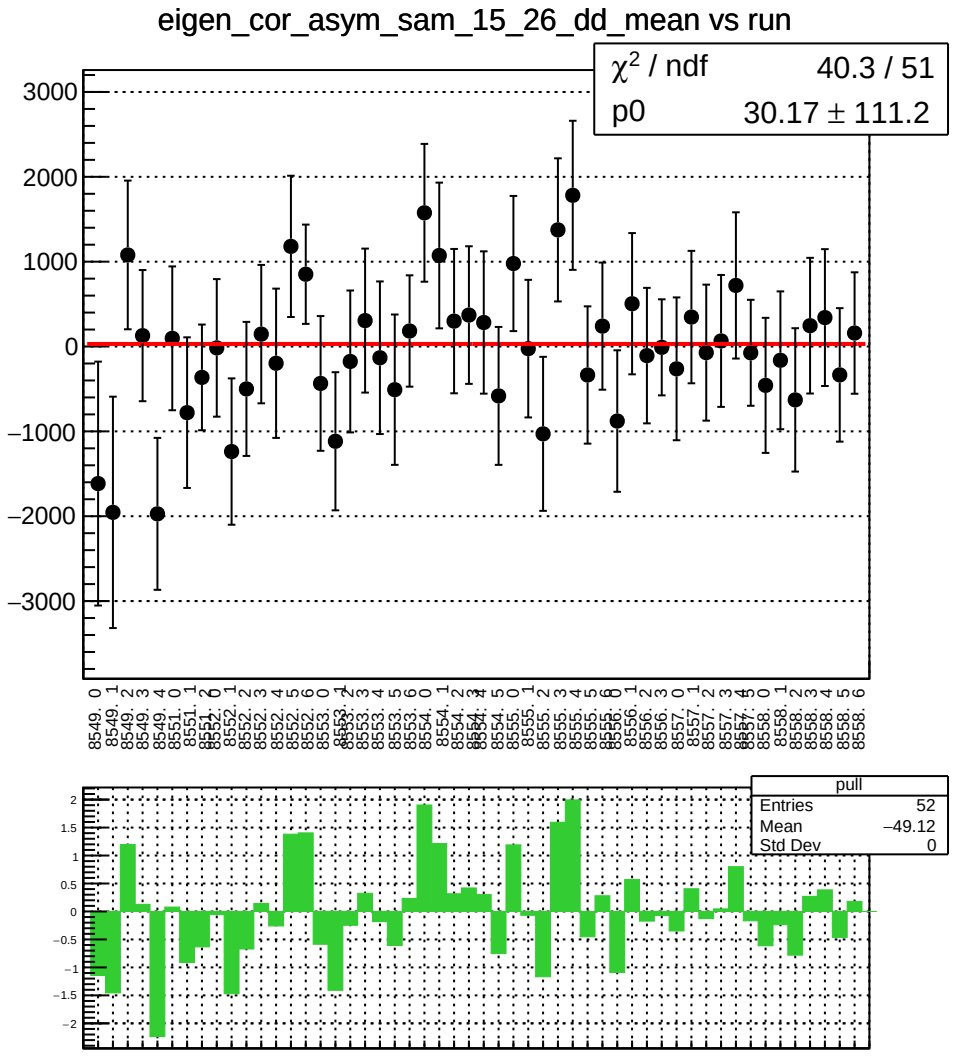

pull1D
Entries 52
Mean −0.03109
Std Dev 0.8798

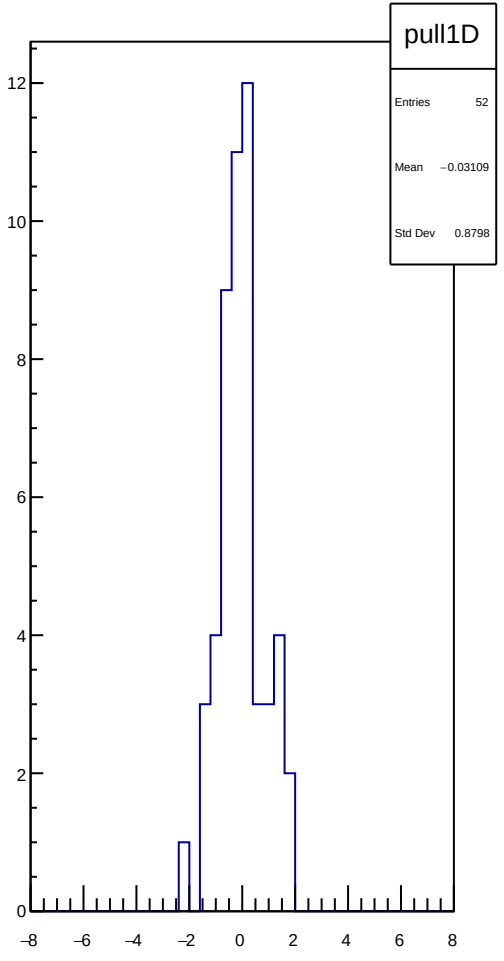

cor_asym_sam_15_26_dd_rms vs run
χ² / ndf 1.07e+04 / 51
p0 79.29 ± 0.07866
140
130
120
110
100
90
80
70
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 5
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

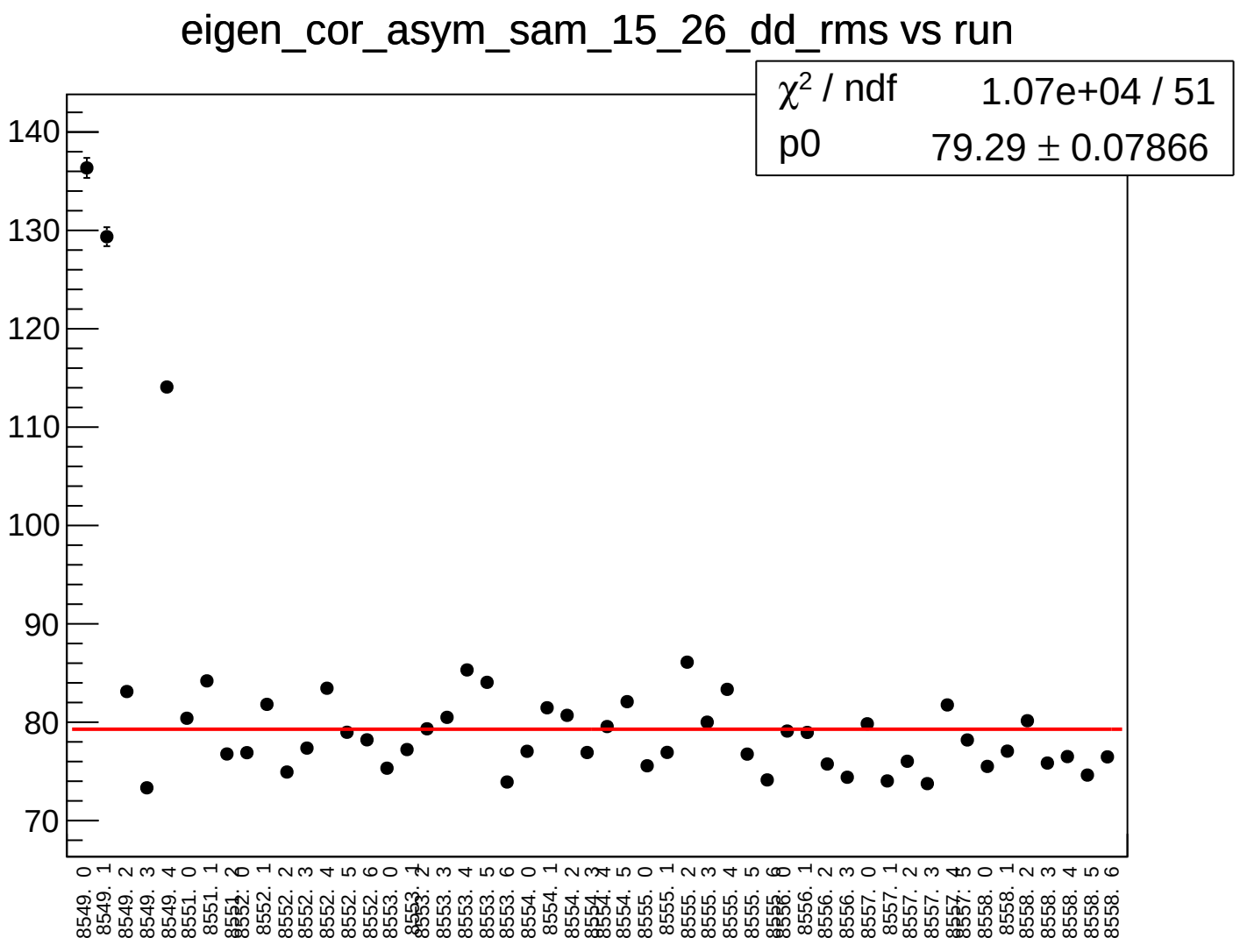

asym_sam_15_26_dd_cor_correction_mean vs run
χ² / ndf 50.34 / 51
p0 660 ± 842.5
20000
10000
0
−10000
−20000
pull
Entries 52
Mean −166.2
Std Dev 0
2
1
0
−1
−2


pull1D
Entries 52
Mean 0.00802
Std Dev 0.9839
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


asym_sam_15_26_dd_cor_correction_rms vs run
χ² / ndf 3259 / 51
p0 602.7 ± 0.5958
720
700
680
660
640
620
600
580
560
540
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6


eigen_cor_asym_sam_15_26_dd_mean vs run
χ² / ndf 40.3 / 51
p0 30.17 ± 111.2
pull
Entries 52
Mean −49.12
Std Dev 0


pull1D
Entries 52
Mean −0.03109
Std Dev 0.8798


eigen_cor_asym_sam_15_26_dd_rms vs run
χ² / ndf 1.07e+04 / 51
p0 79.29 ± 0.07866
140
130
120
110
100
90
80
70
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
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8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 5
8555. 0
8555. 1
8555. 2
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8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
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8557. 3
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8558. 3
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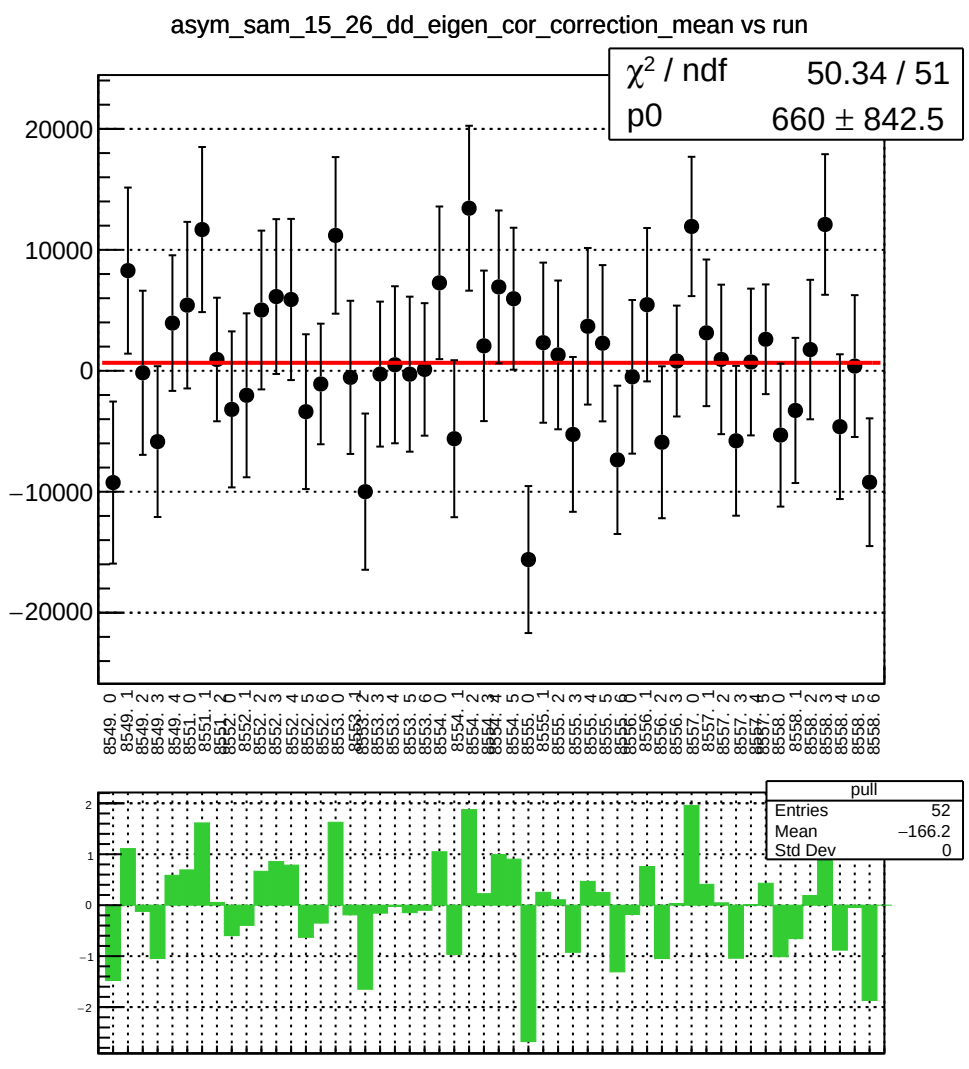
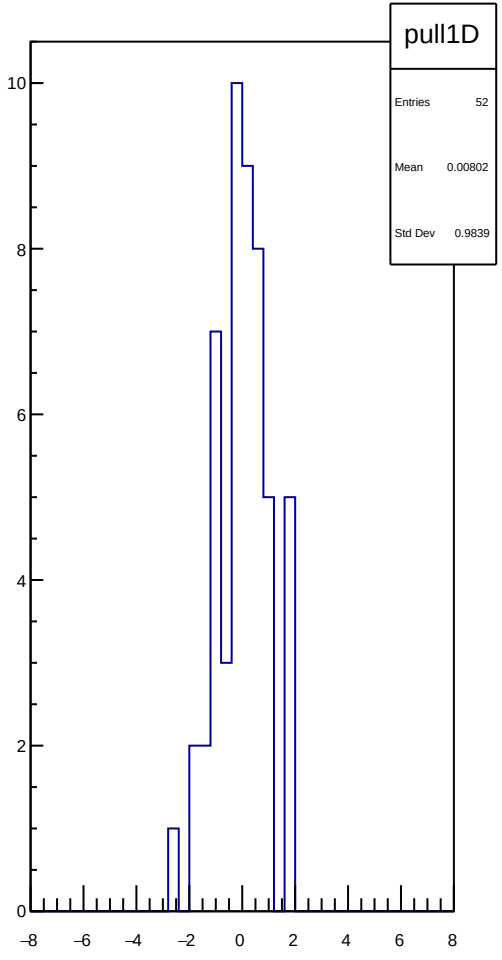
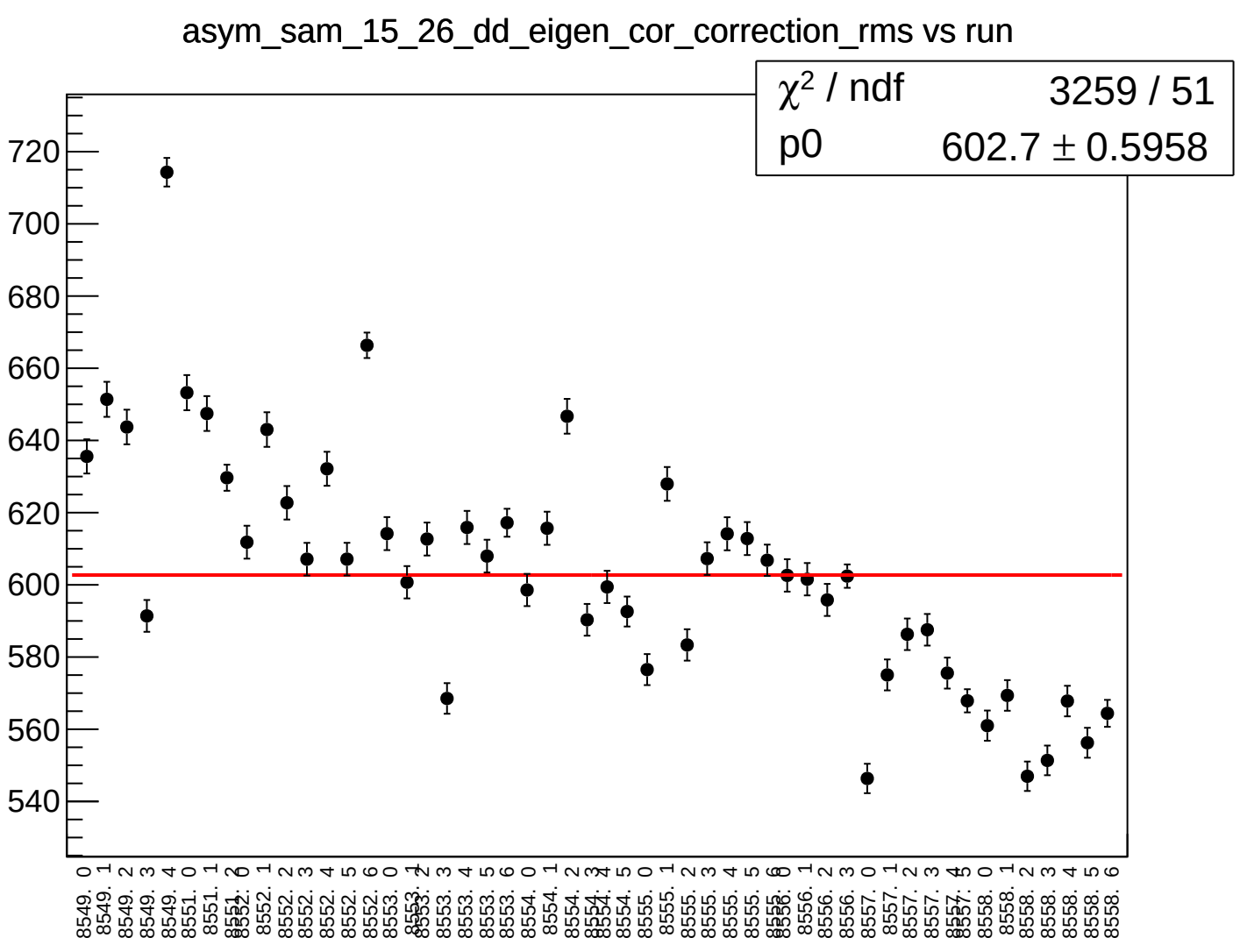
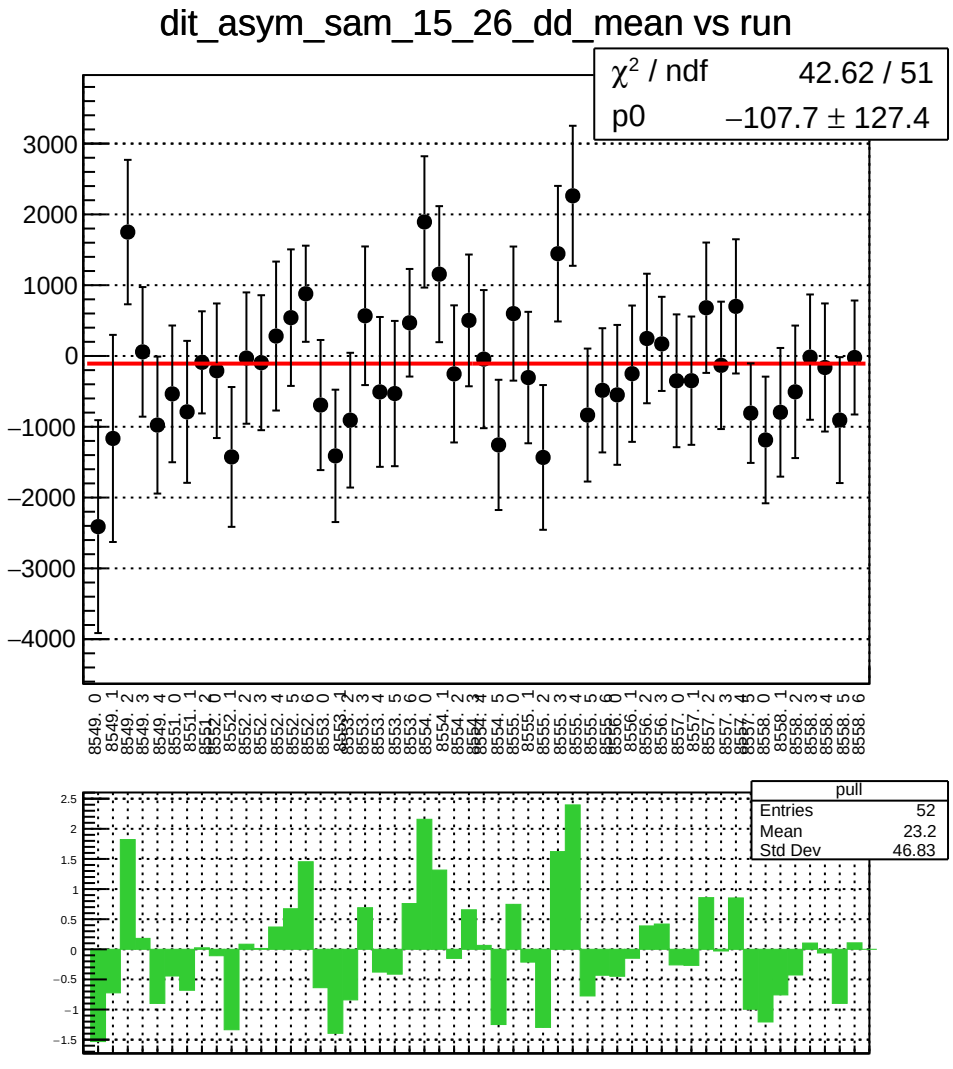
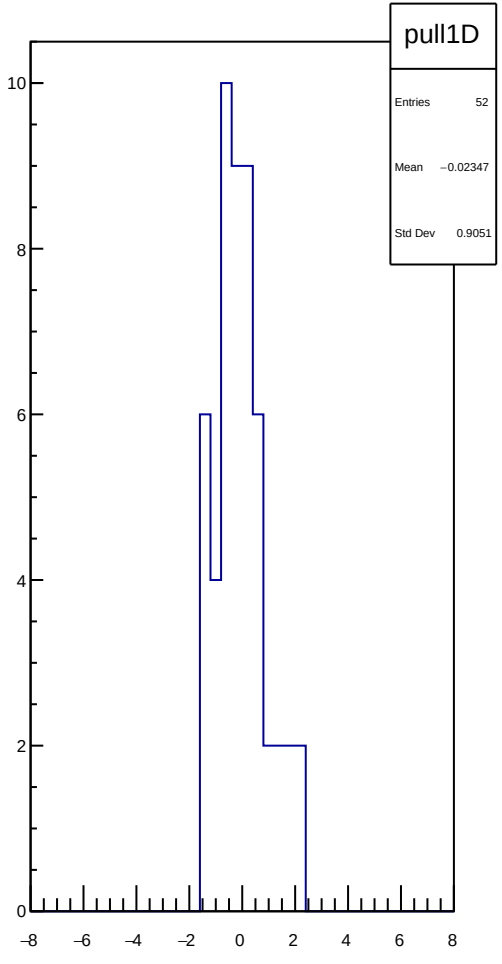
8558. 5
8558. 6

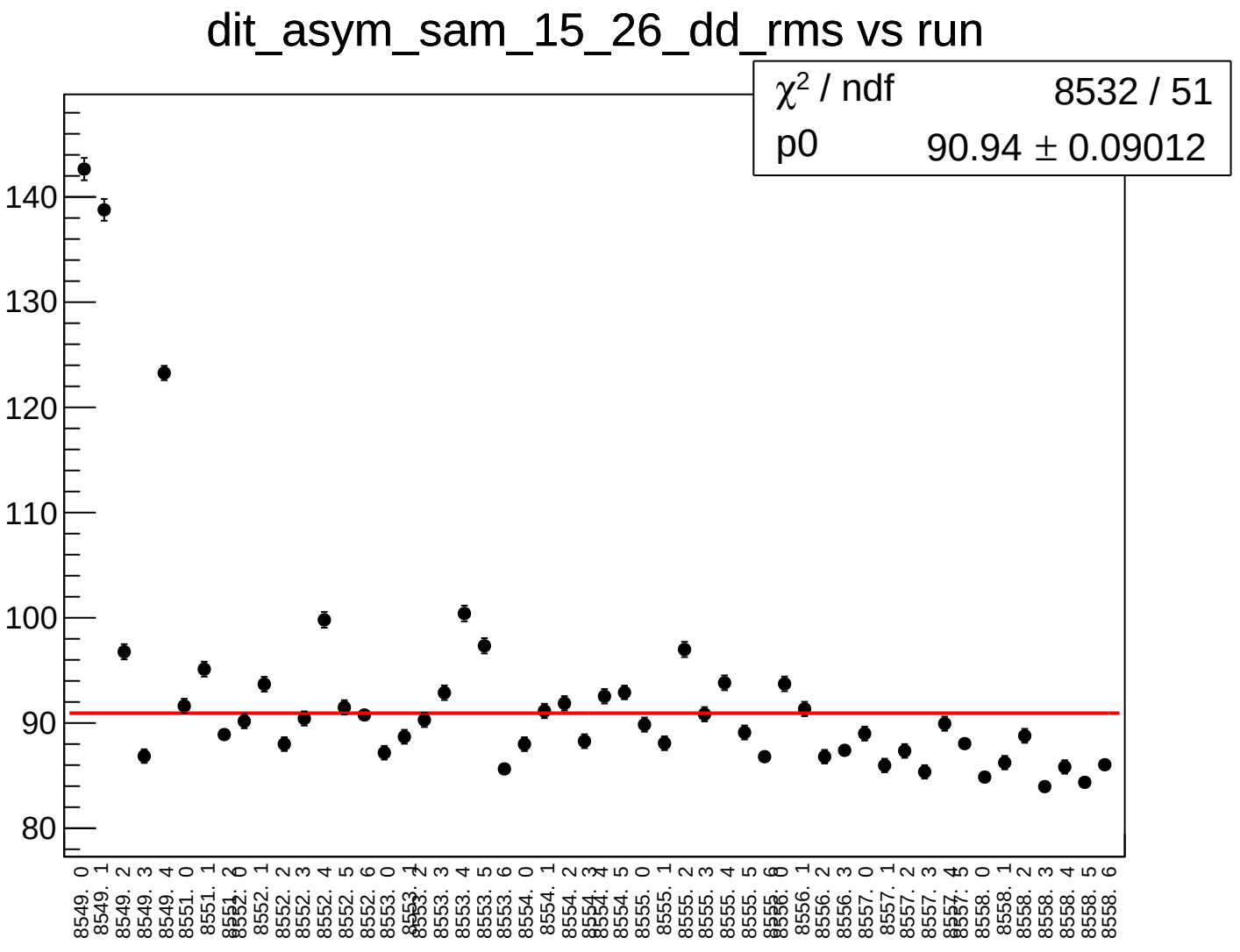

asym_sam_15_26_dd_eigen_cor_correction_mean vs run
χ² / ndf 50.34 / 51
p0 660 ± 842.5
20000
10000
0
−10000
−20000
pull
Entries 52
Mean −166.2
Std Dev 0
2
1
0
−1
−2

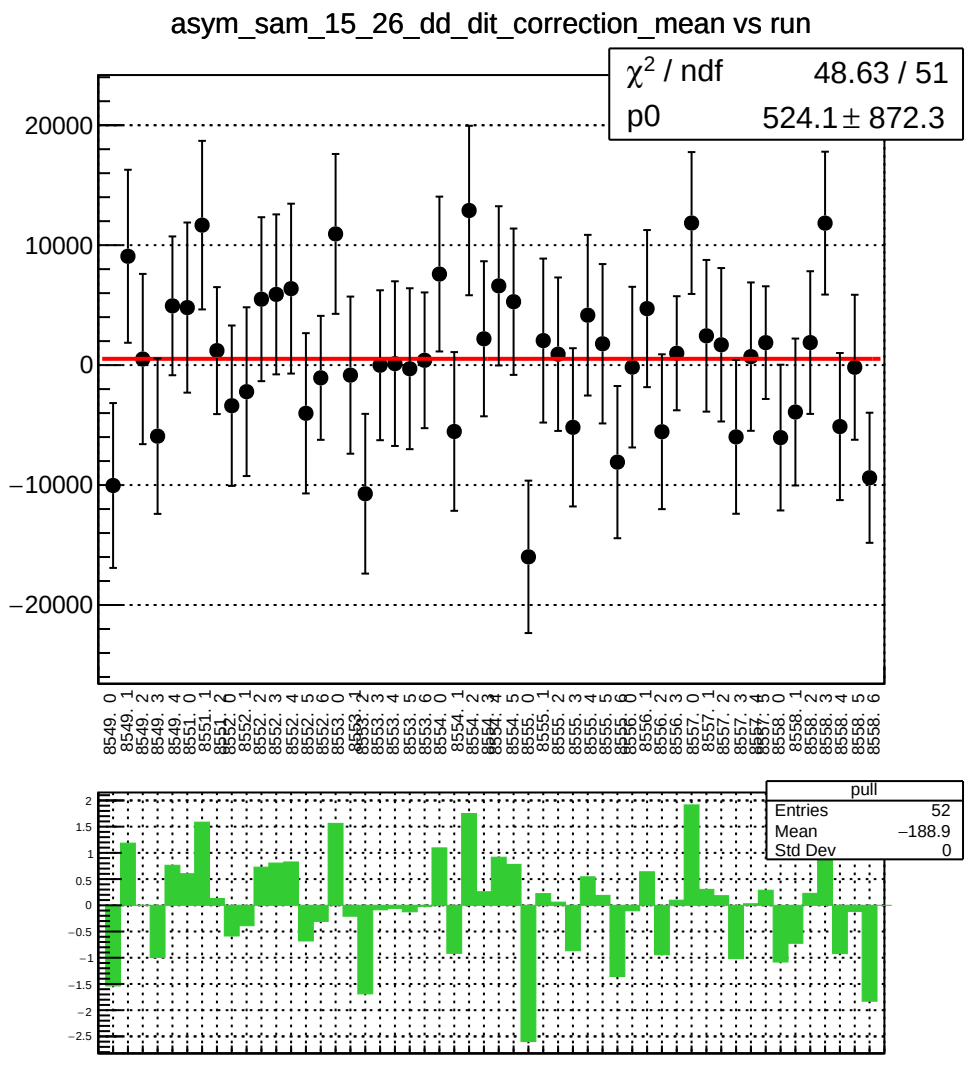

pull1D
Entries 52
Mean 0.00802
Std Dev 0.9839
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

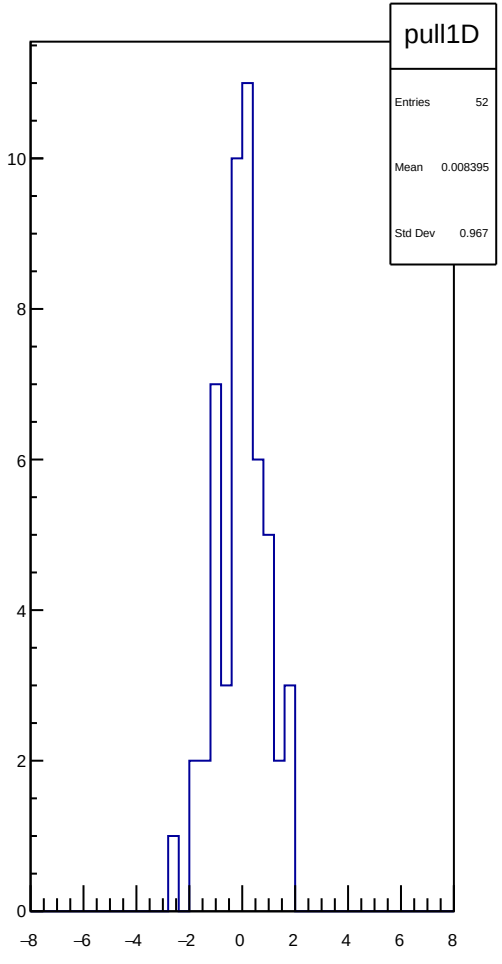

asym_sam_15_26_dd_eigen_cor_correction_rms vs run
χ² / ndf 3259 / 51
p0 602.7 ± 0.5958
720
700
680
660
640
620
600
580
560
540
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

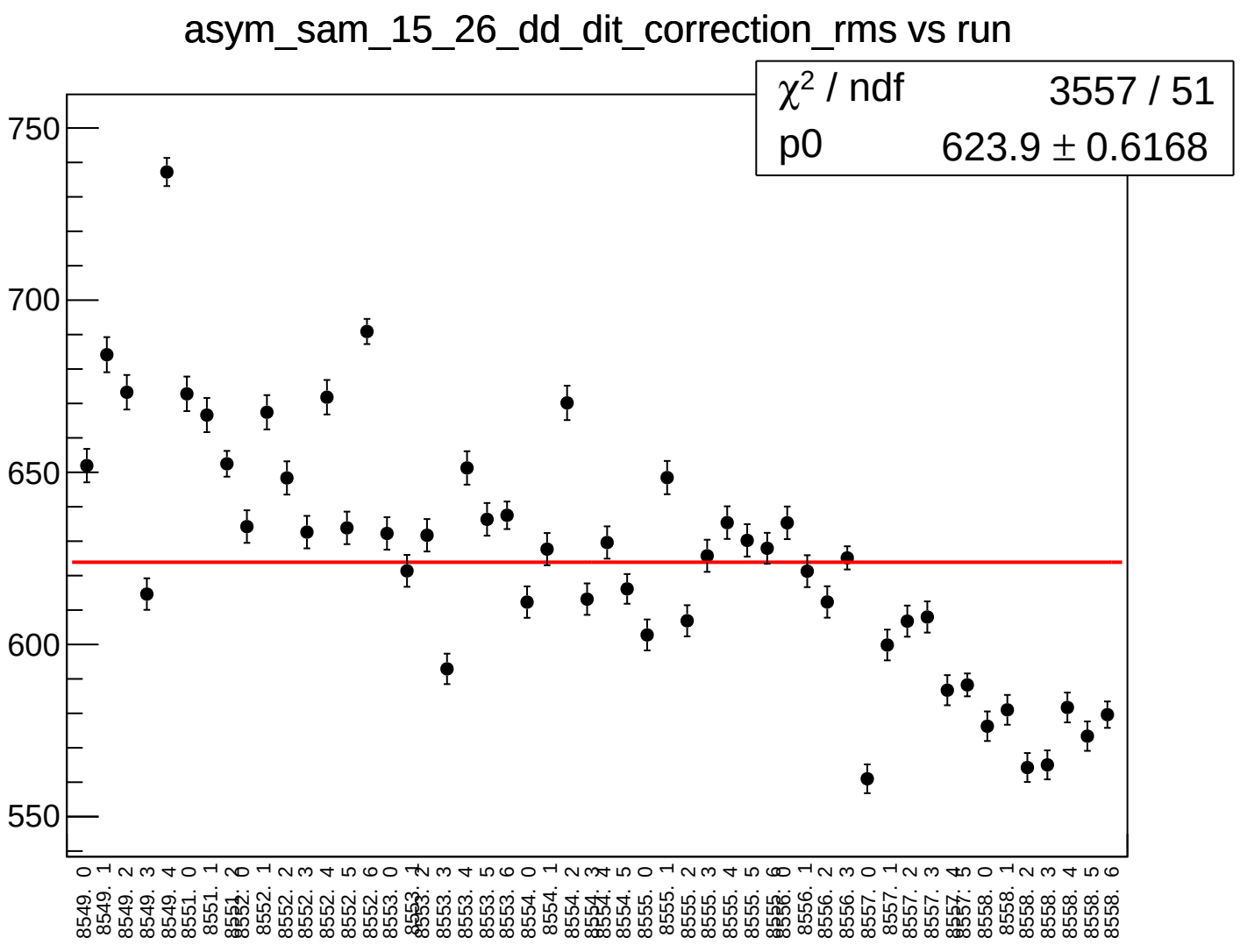

dit_asym_sam_15_26_dd_mean vs run
χ² / ndf 42.62 / 51
p0 −107.7 ± 127.4
3000
2000
1000
0
−1000
−2000
−3000
−4000
pull
Entries 52
Mean 23.2
Std Dev 46.83
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5

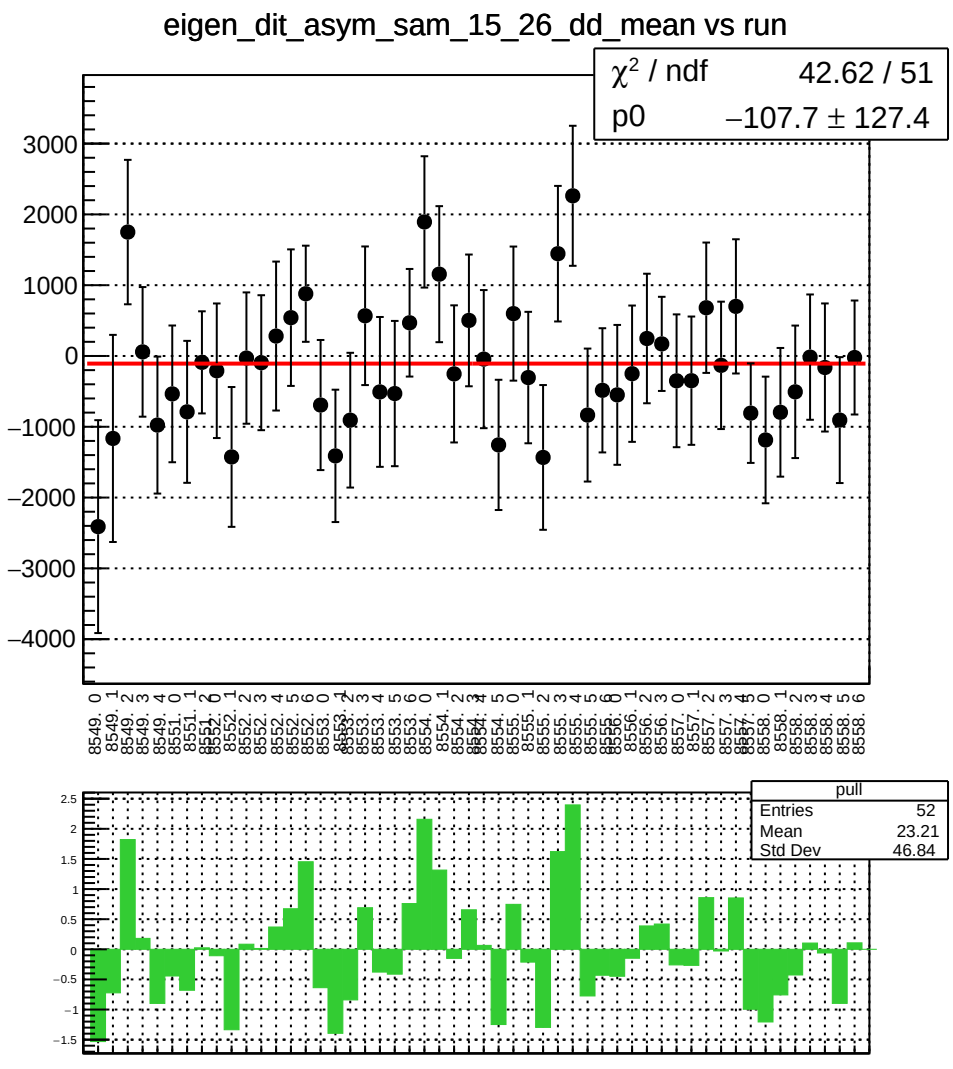

pull1D
Entries 52
Mean −0.02347
Std Dev 0.9051
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

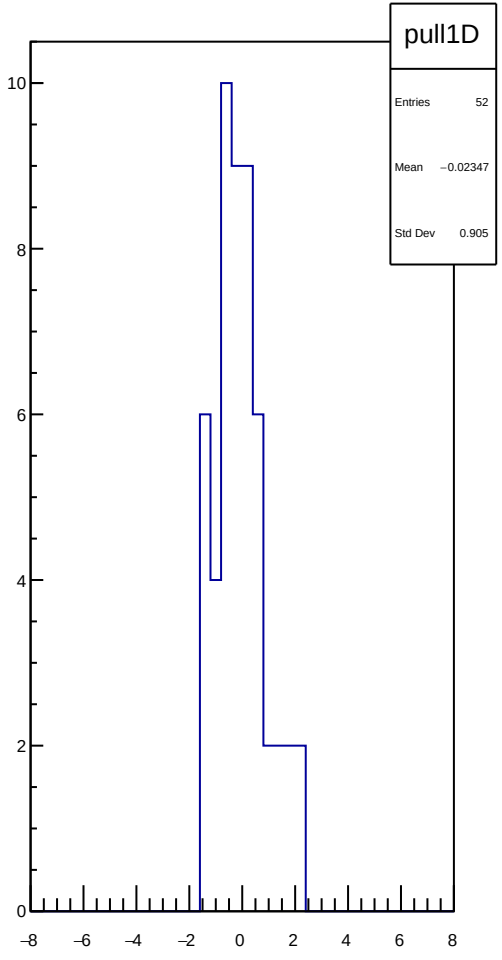

dit_asym_sam_15_26_dd_rms vs run
χ² / ndf 8532 / 51
p0 90.94 ± 0.09012
140
130
120
110
100
90
80
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

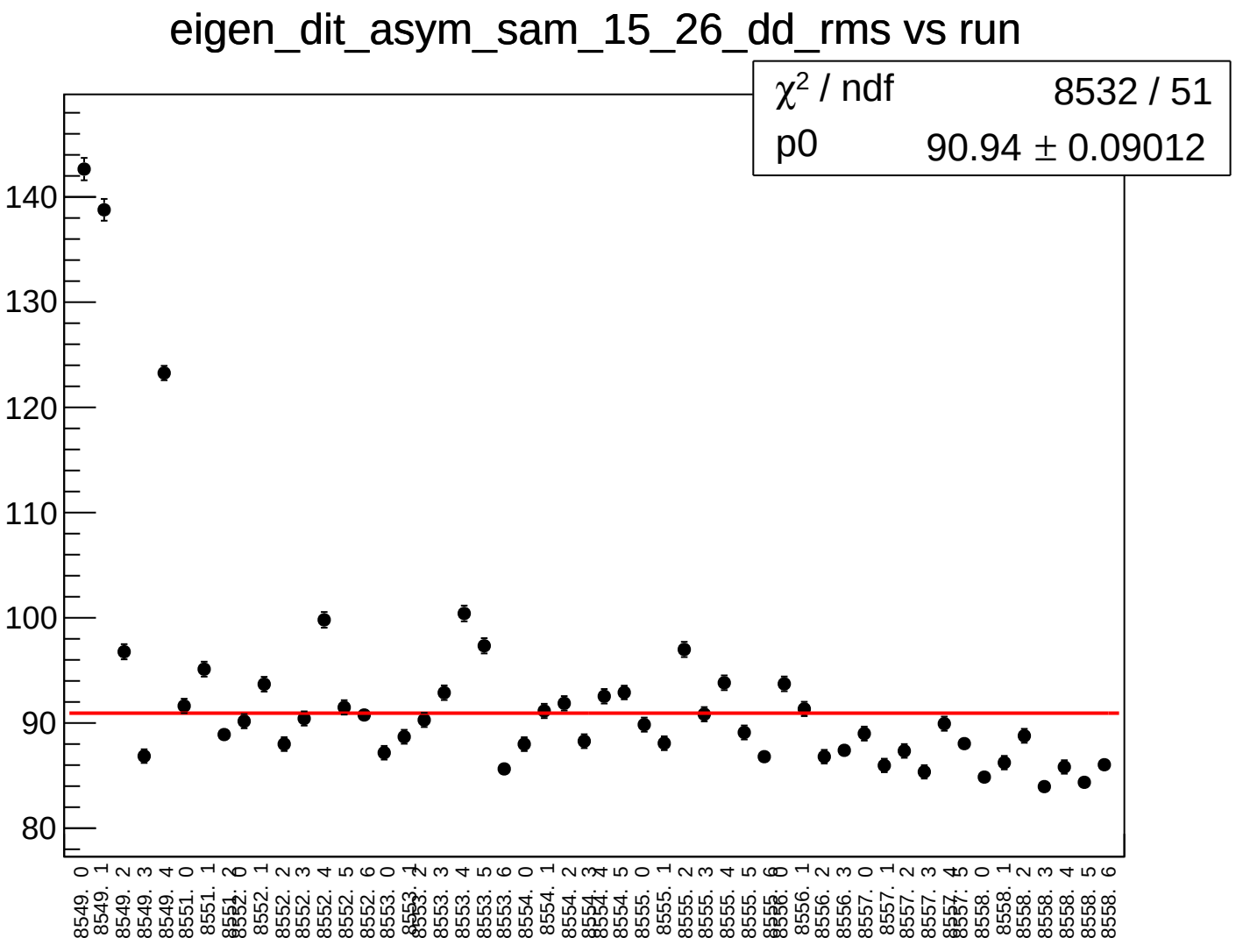

asym_sam_15_26_dd_dit_correction_mean vs run
χ² / ndf 48.63 / 51
p0 524.1 ± 872.3
20000
10000
0
−10000
−20000
pull
Entries 52
Mean −188.9
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

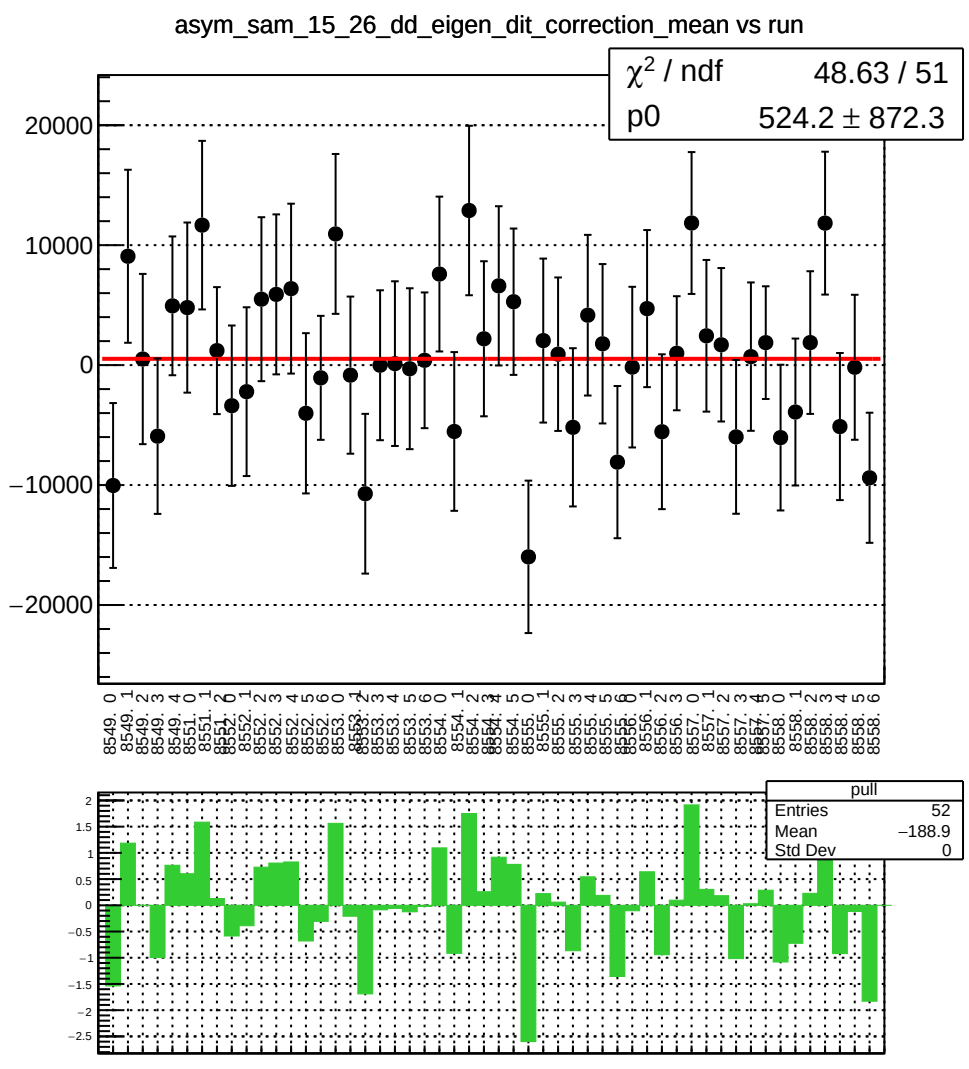

pull1D
Entries 52
Mean 0.008395
Std Dev 0.967
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

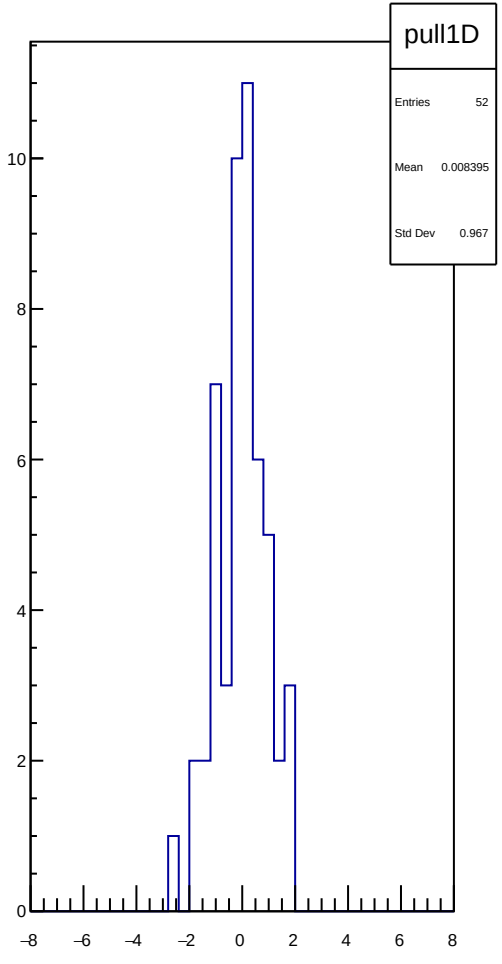

asym_sam_15_26_dd_dit_correction_rms vs run
χ² / ndf 3557 / 51
p0 623.9 ± 0.6168
750
700
650
600
550
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

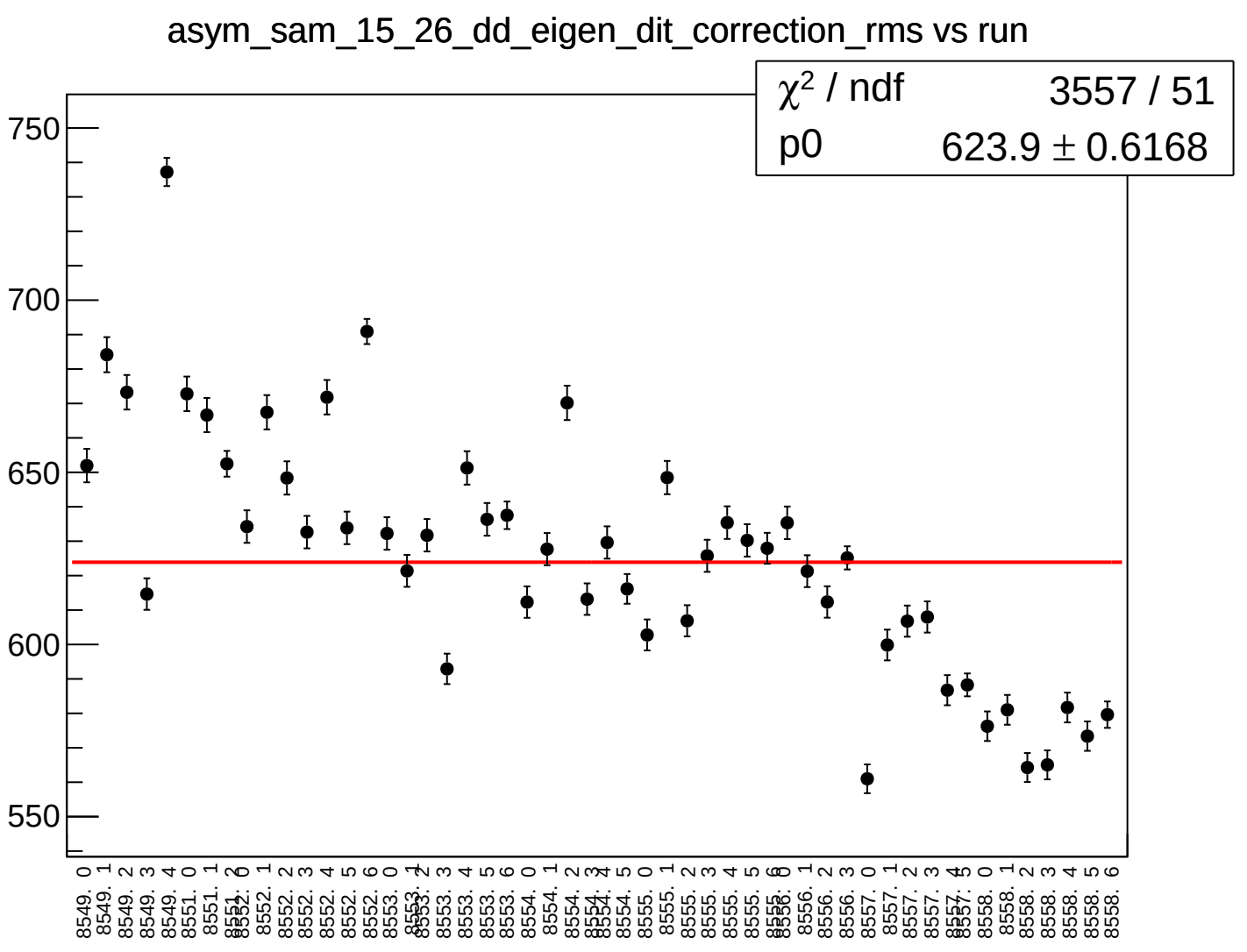

eigen_dit_asym_sam_15_26_dd_mean vs run
χ² / ndf 42.62 / 51
p0 −107.7 ± 127.4
pull
Entries 52
Mean 23.21
Std Dev 46.84

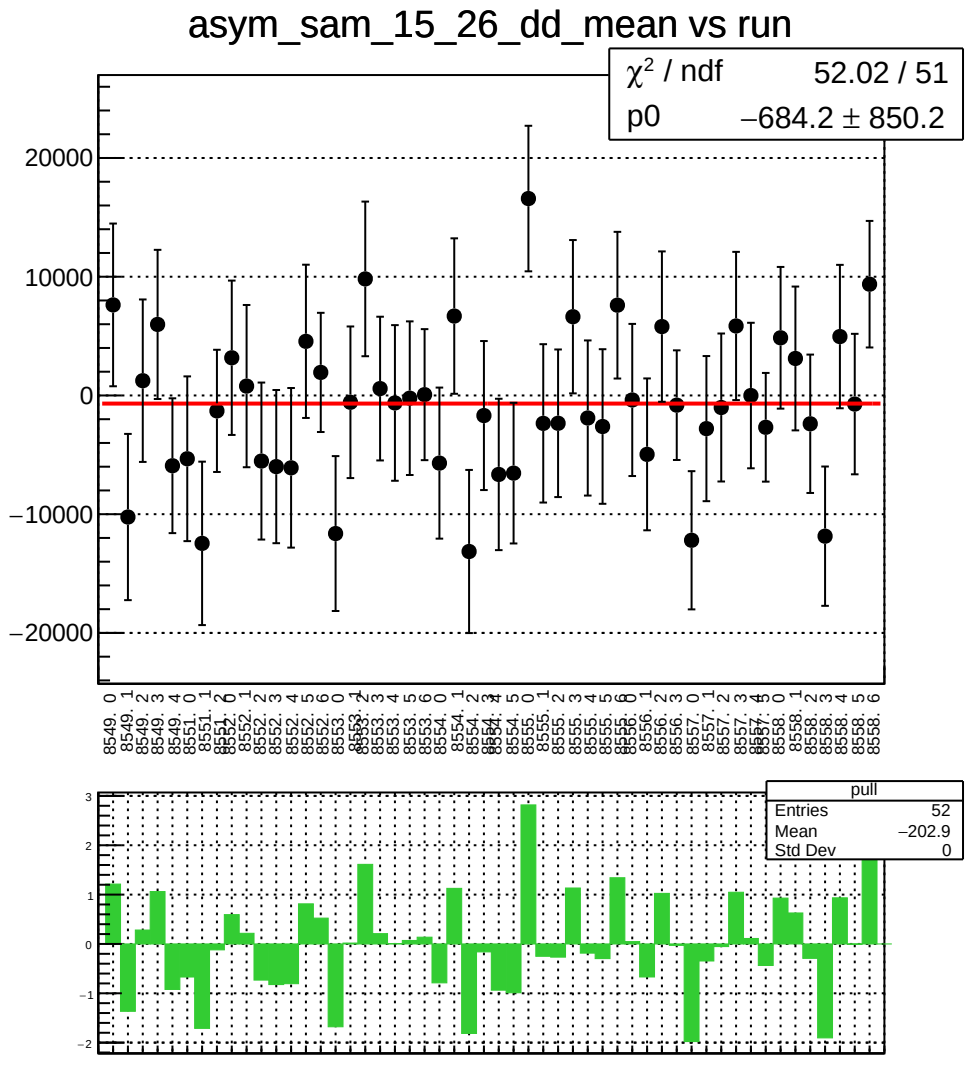

pull1D
Entries 52
Mean −0.02347
Std Dev 0.905

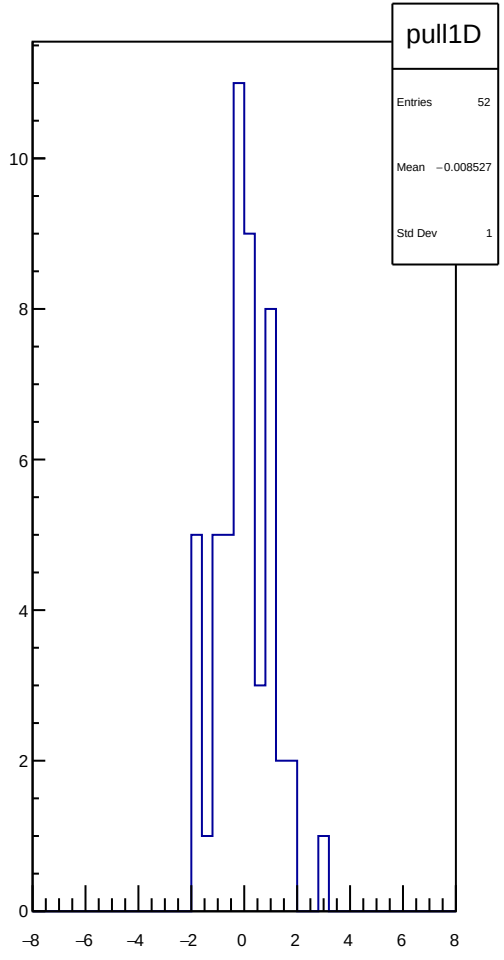

eigen_dit_asym_sam_15_26_dd_rms vs run
χ² / ndf 8532 / 51
p0 90.94 ± 0.09012
140
130
120
110
100
90
80
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 5
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

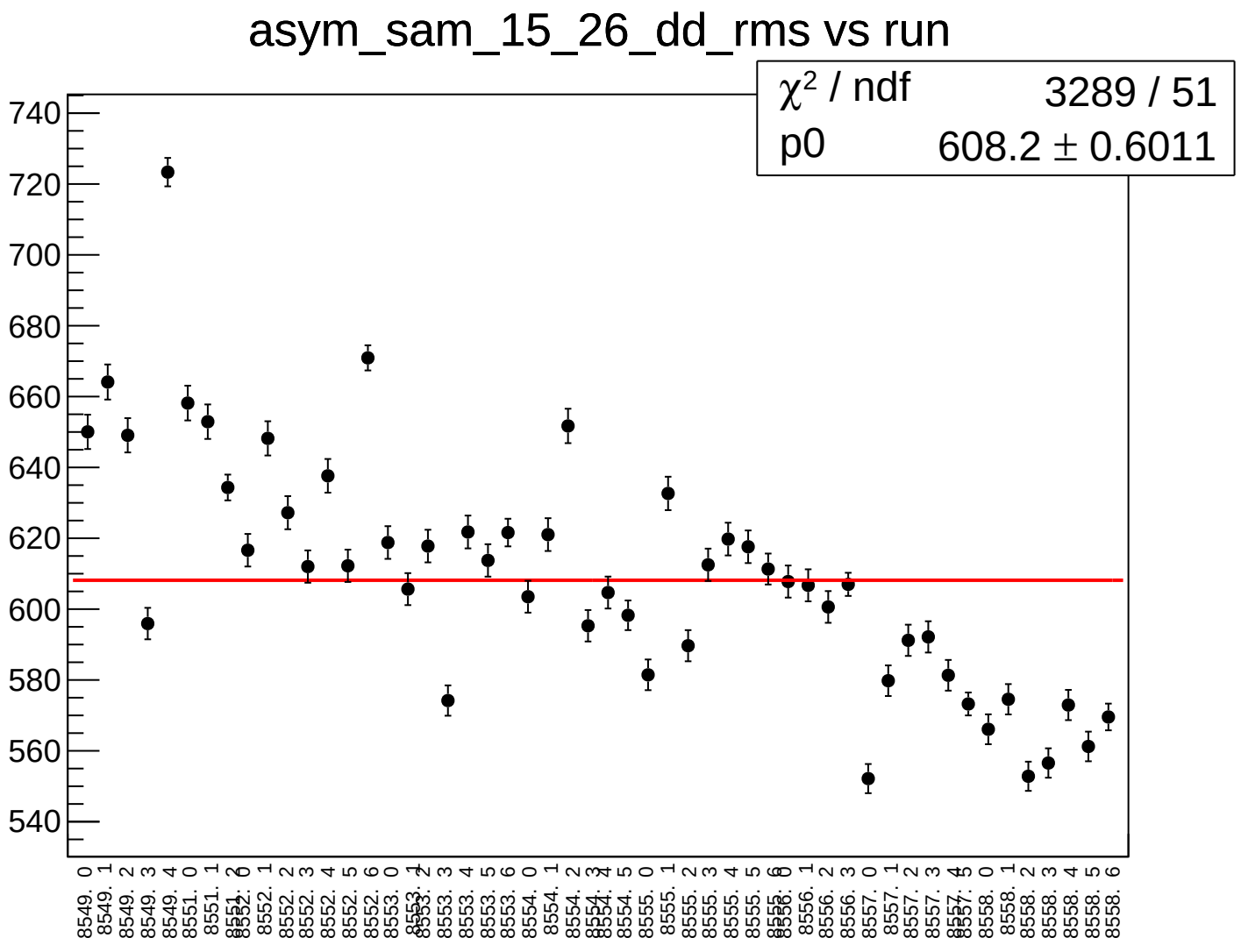

asym_sam_15_26_dd_eigen_dit_correction_mean vs run
χ² / ndf 48.63 / 51
p0 524.2 ± 872.3
20000
10000
0
−10000
−20000
pull
Entries 52
Mean −188.9
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

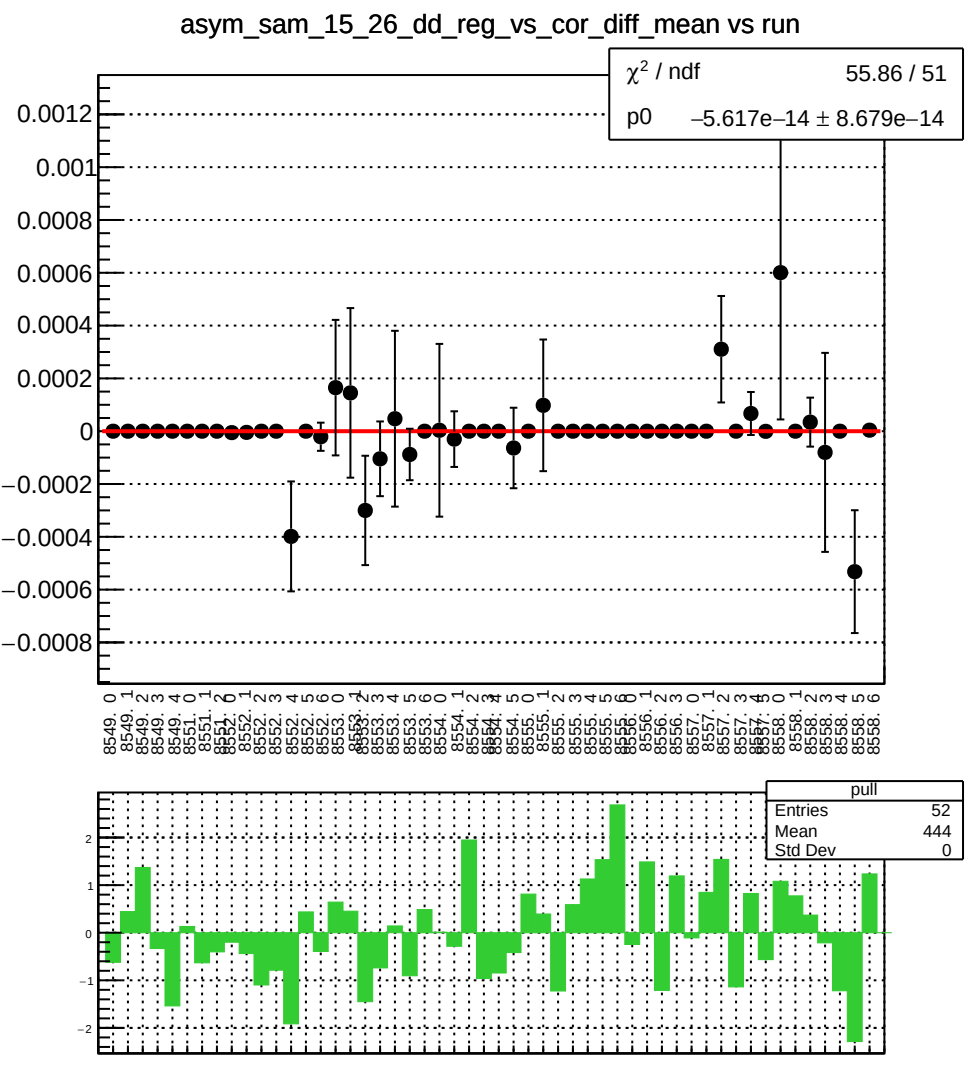

pull1D
Entries 52
Mean 0.008395
Std Dev 0.967
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

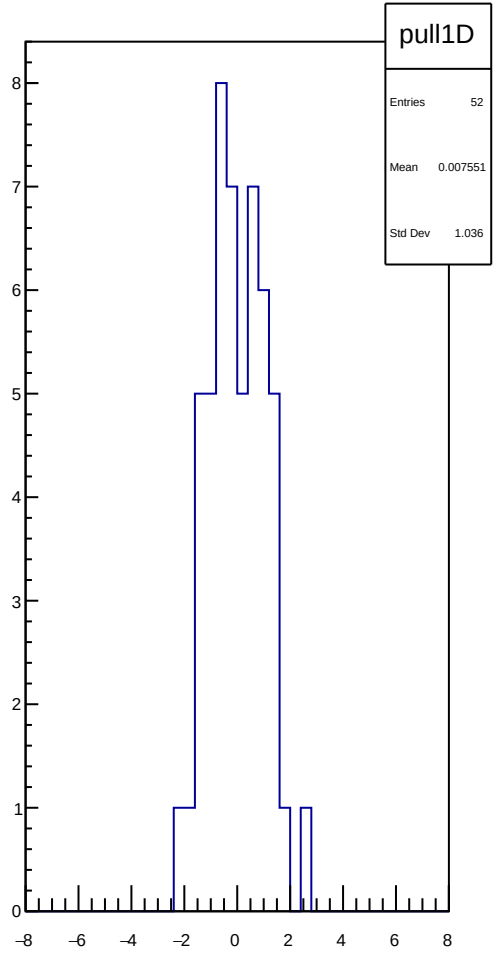

asym_sam_15_26_dd_eigen_dit_correction_rms vs run
χ² / ndf 3557 / 51
p0 623.9 ± 0.6168
750
700
650
600
550
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

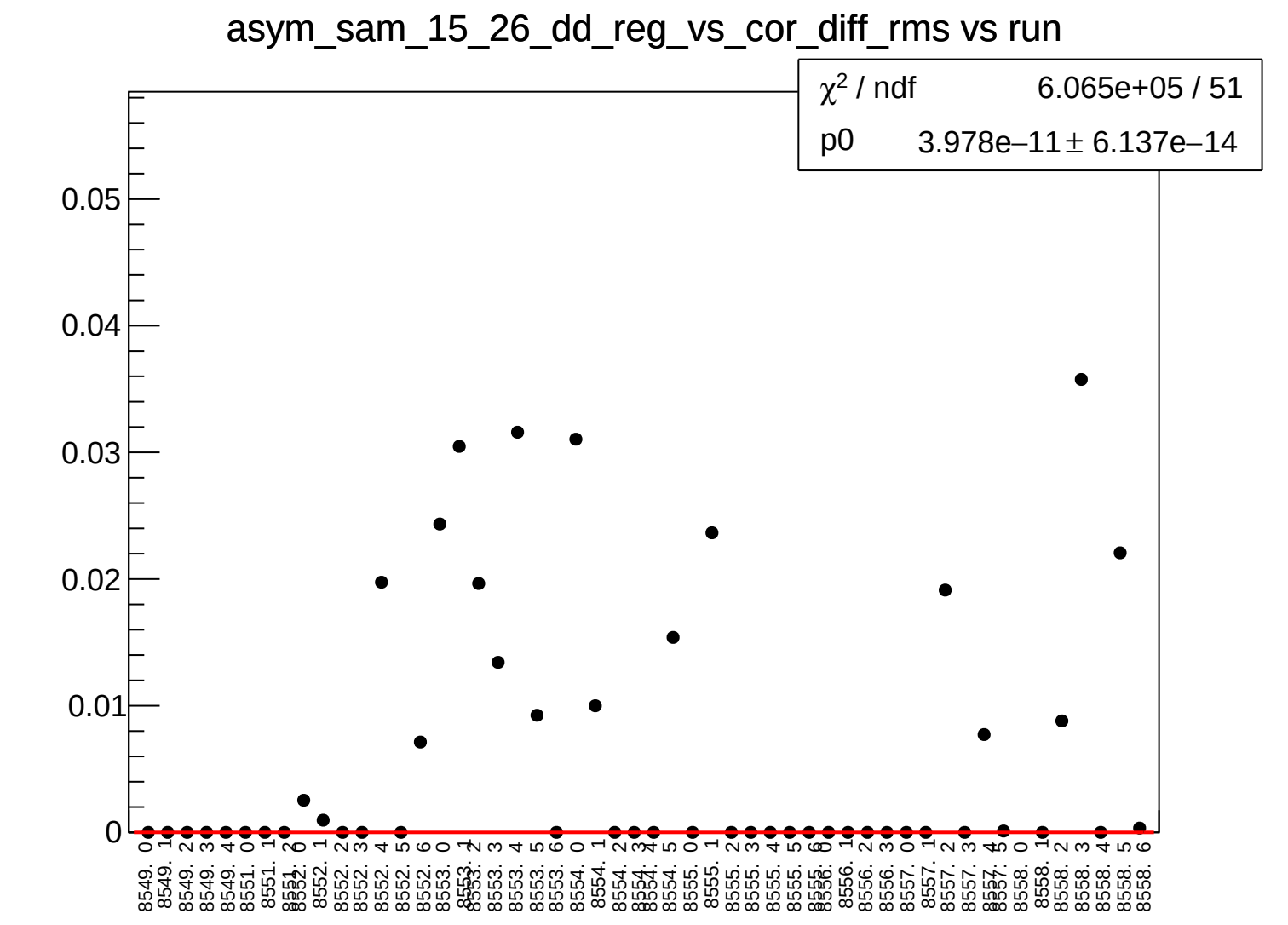

asym_sam_15_26_dd_mean vs run
χ² / ndf 52.02 / 51
p0 −684.2 ± 850.2
20000
10000
0
−10000
−20000
pull
Entries 52
Mean −202.9
Std Dev 0
3
2
1
0
−1
−2


pull1D
Entries 52
Mean −0.008527
Std Dev 1
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


asym_sam_15_26_dd_rms vs run
χ² / ndf 3289 / 51
p0 608.2 ± 0.6011
740
720
700
680
660
640
620
600
580
560
540
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6


asym_sam_15_26_dd_reg_vs_cor_diff_mean vs run
χ² / ndf 55.86 / 51
p0 −5.617e−14 ± 8.679e−14
0.0012
0.001
0.0008
0.0006
0.0004
0.0002
0
−0.0002
−0.0004
−0.0006
−0.0008
pull
Entries 52
Mean 444
Std Dev 0
2
1
0
−1
−2


pull1D
Entries 52
Mean 0.007551
Std Dev 1.036
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 6.065e+05 / 51
p0 3.978e−11 ± 6.137e−14
0.05
0.04
0.03
0.02
0.01
0
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8549. 5
8551. 0
8551. 1
8551. 2
8552. 0
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 1
8553. 2
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 3
8554. 4
8554. 5
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8555. 6
8556. 0
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
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8557. 5
8558. 0
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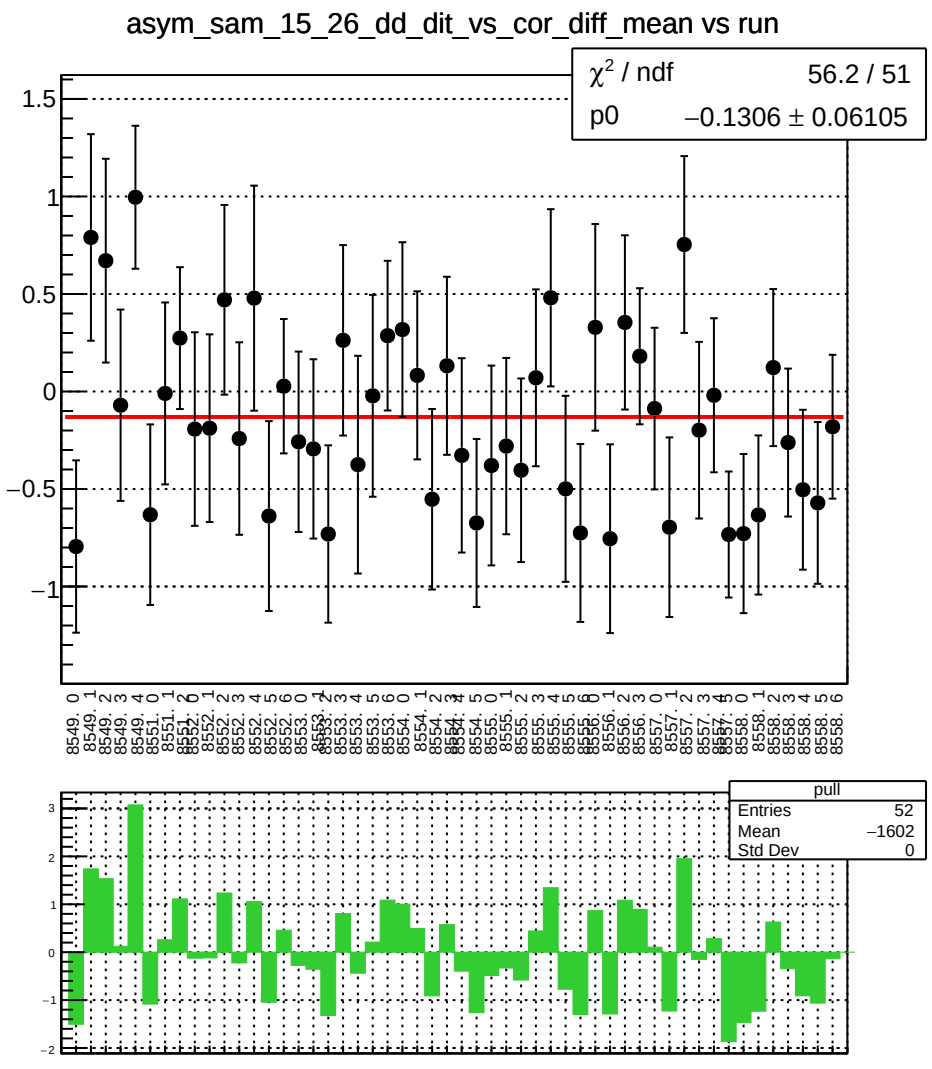
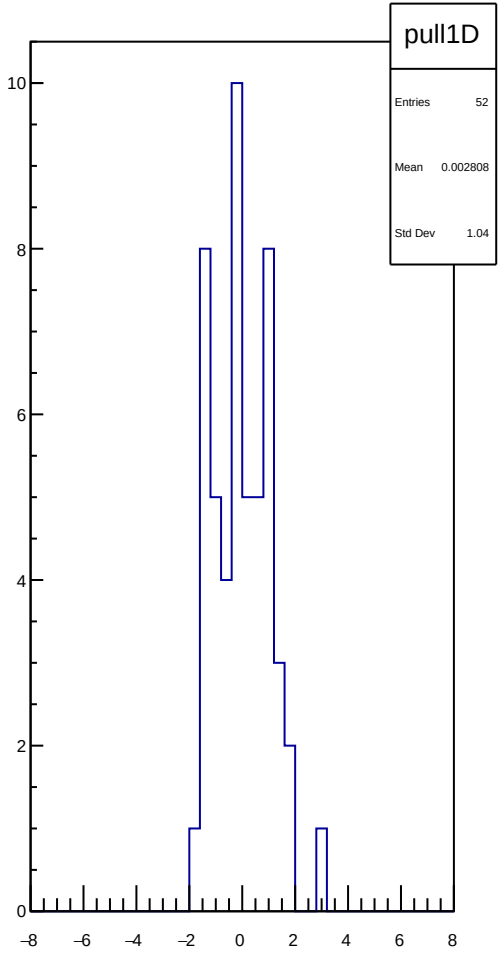
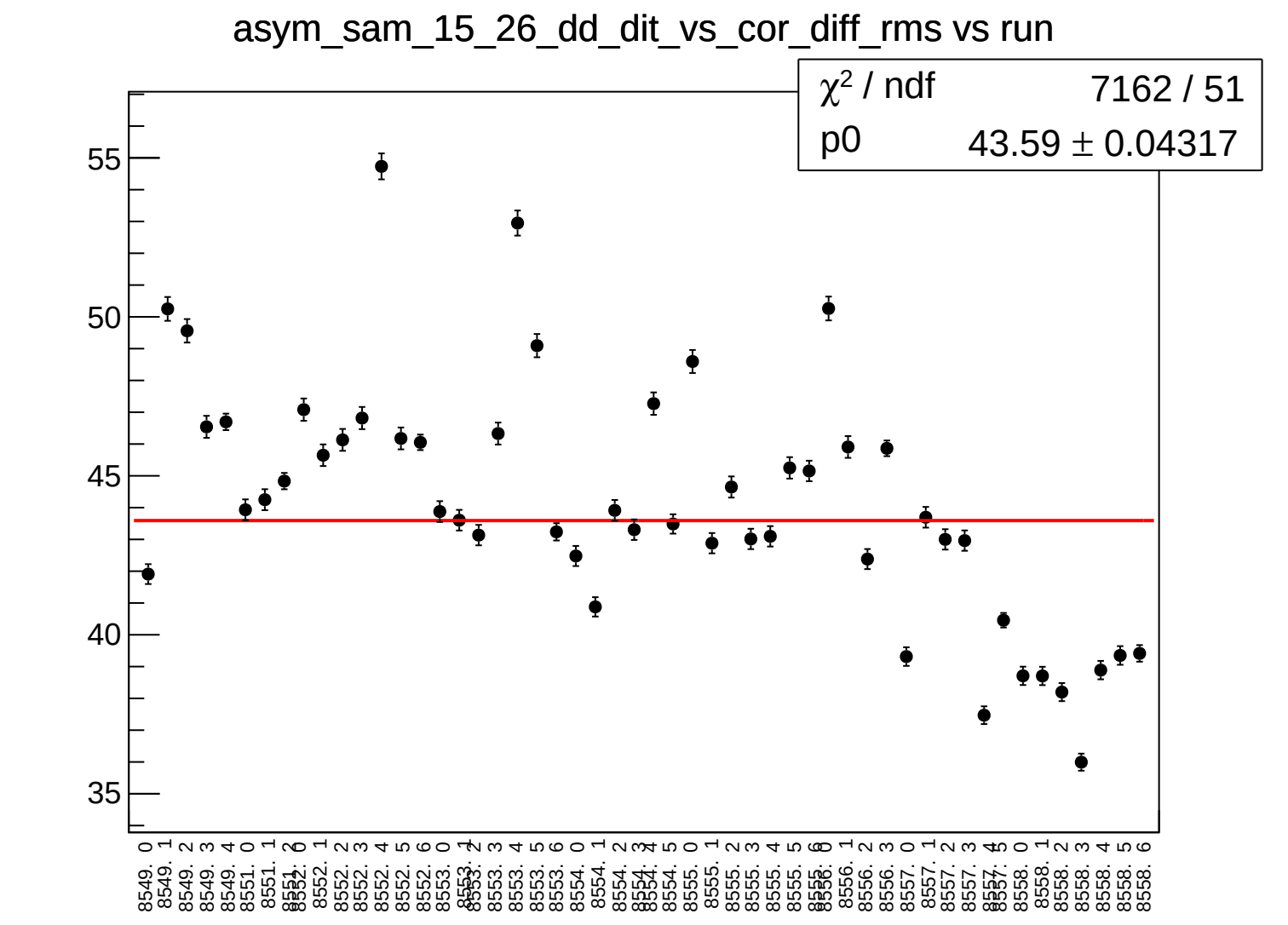
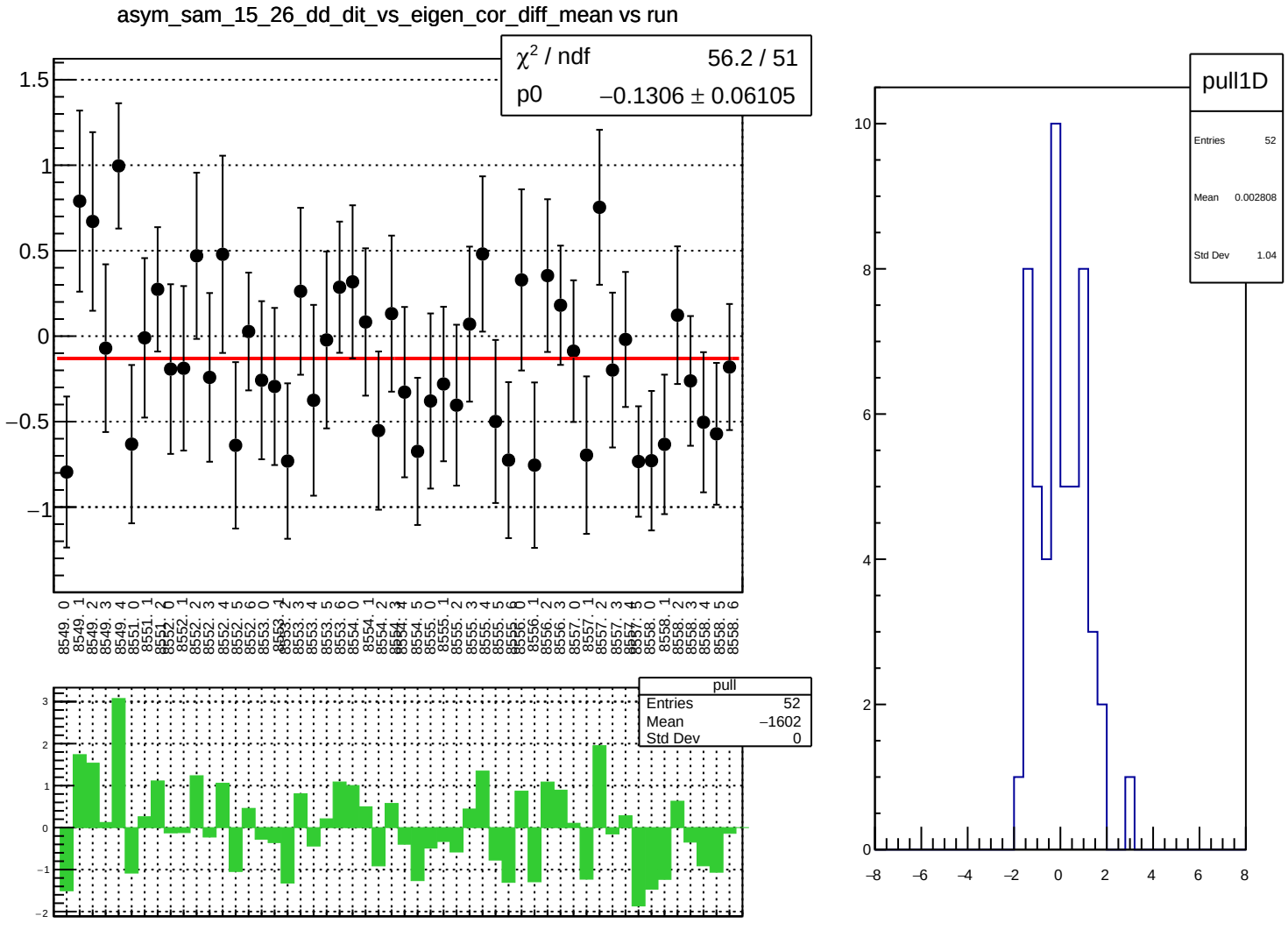
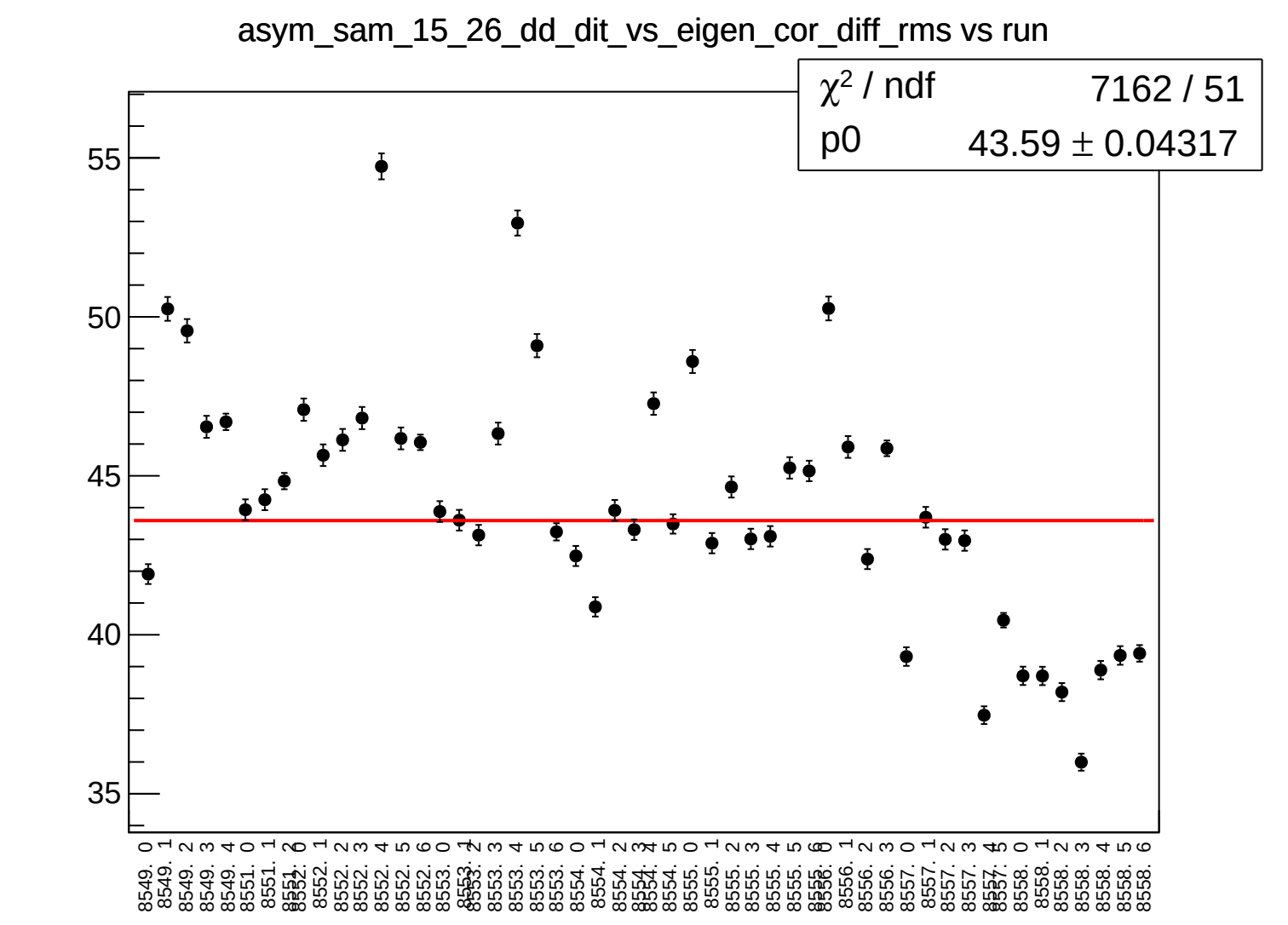
8558. 5
8558. 6

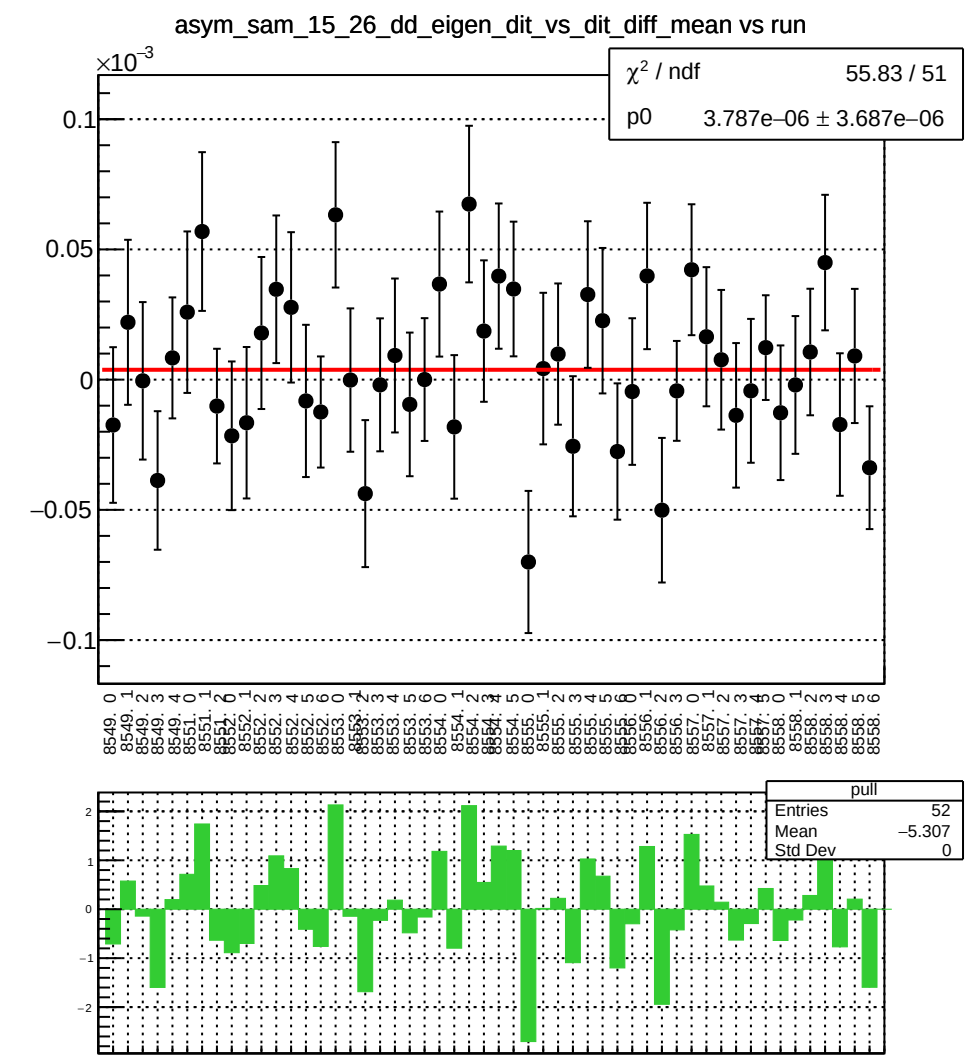

asym_sam_15_26_dd_dit_vs_cor_diff_mean vs run
χ² / ndf 56.2 / 51
p0 −0.1306 ± 0.06105
pull
Entries 52
Mean −1602
Std Dev 0

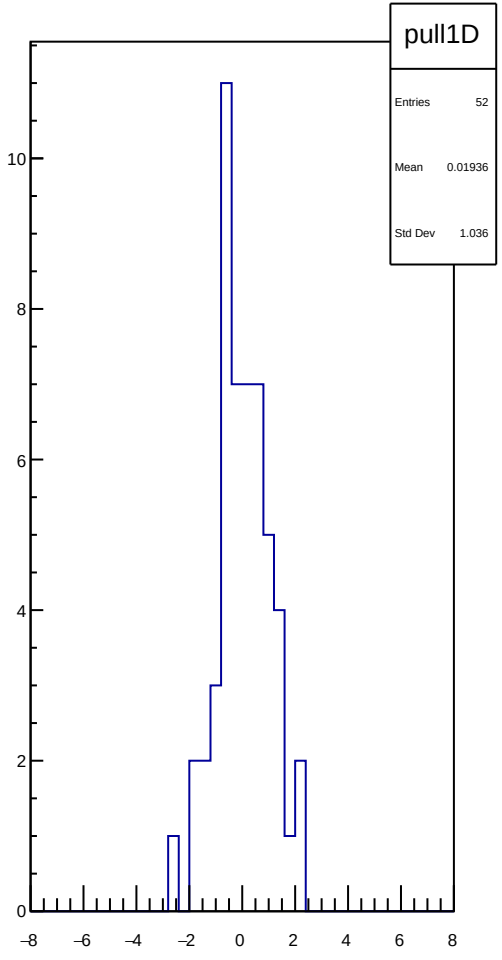

pull1D
Entries 52
Mean 0.002808
Std Dev 1.04

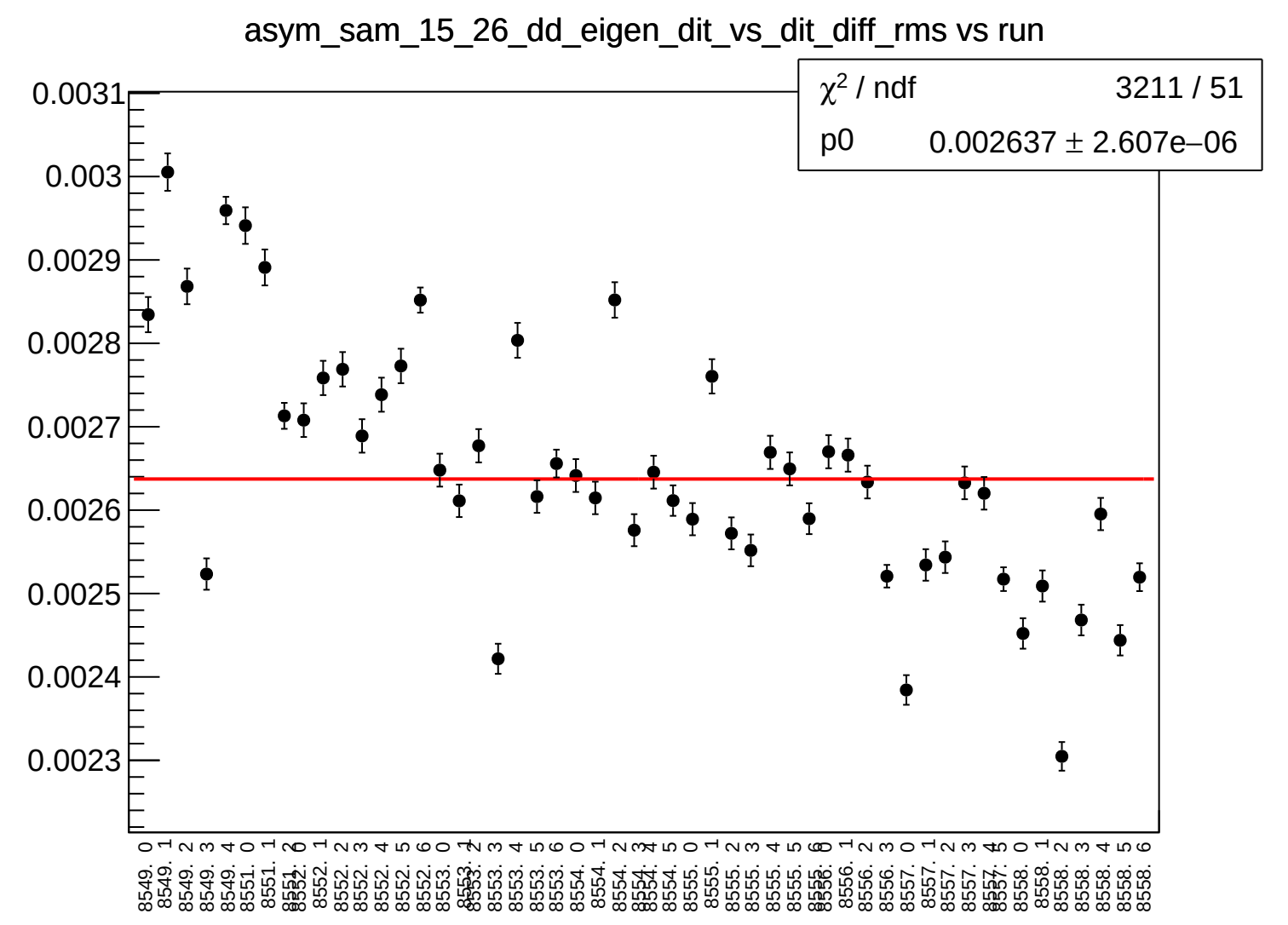

asym_sam_15_26_dd_dit_vs_cor_diff_rms vs run
χ² / ndf 7162 / 51
p0 43.59 ± 0.04317
55
50
45
40
35
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

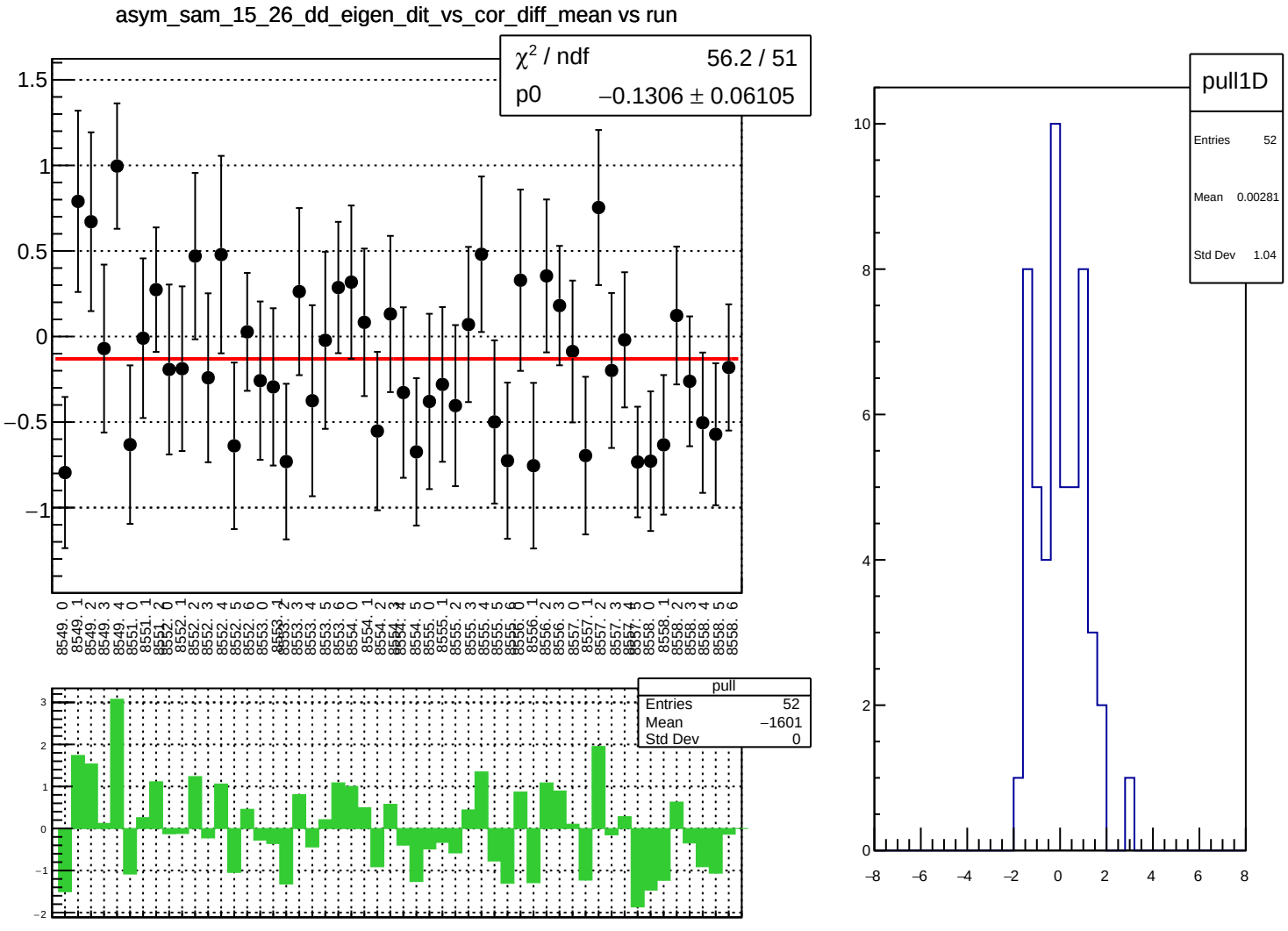

asym_sam_15_26_dd_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 56.2 / 51
p0 −0.1306 ± 0.06105
pull
Entries 52
Mean −1602
Std Dev 0
pull1D
Entries 52
Mean 0.002808
Std Dev 1.04

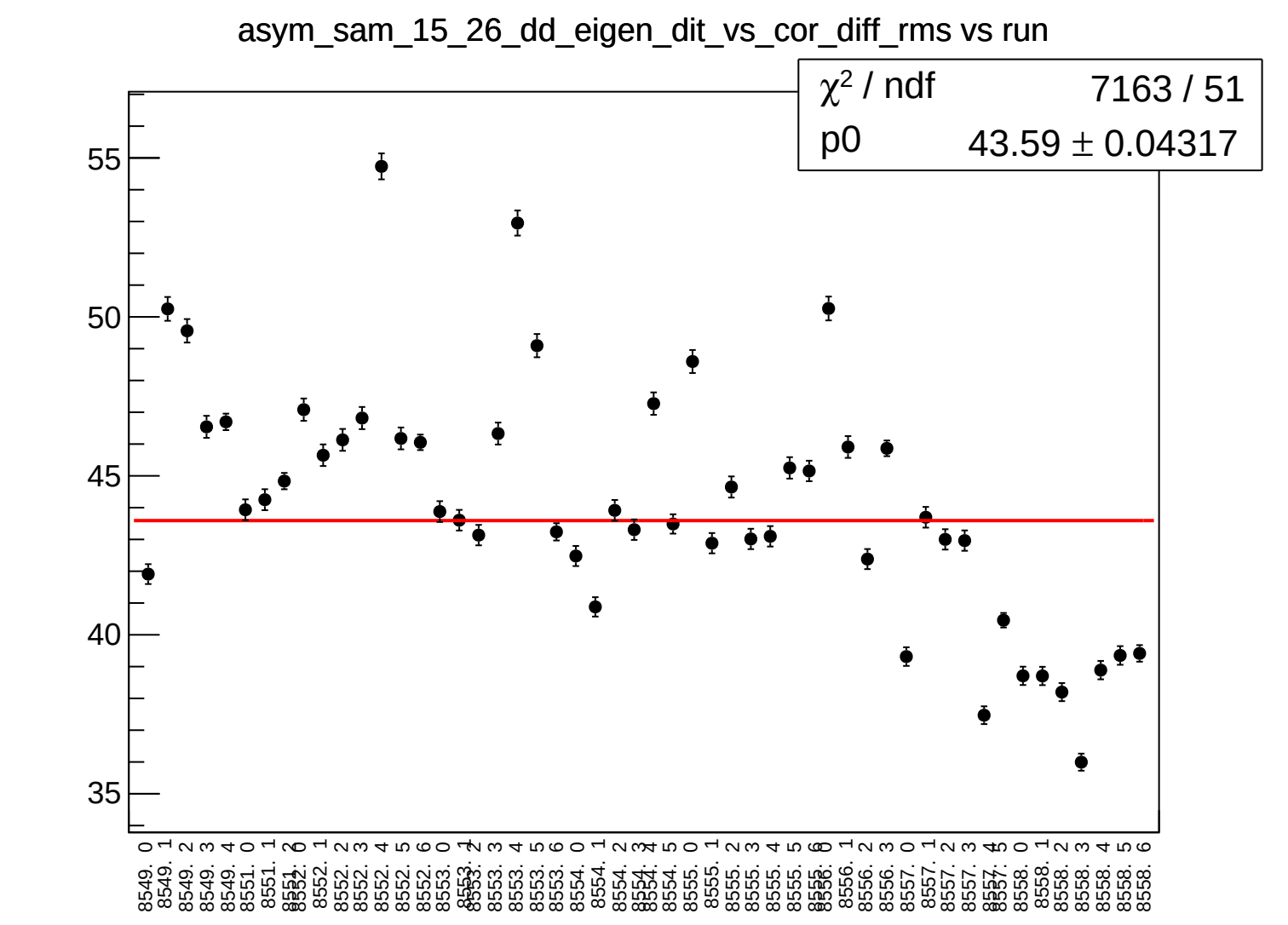

asym_sam_15_26_dd_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 7162 / 51
p0 43.59 ± 0.04317
55
50
45
40
35
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

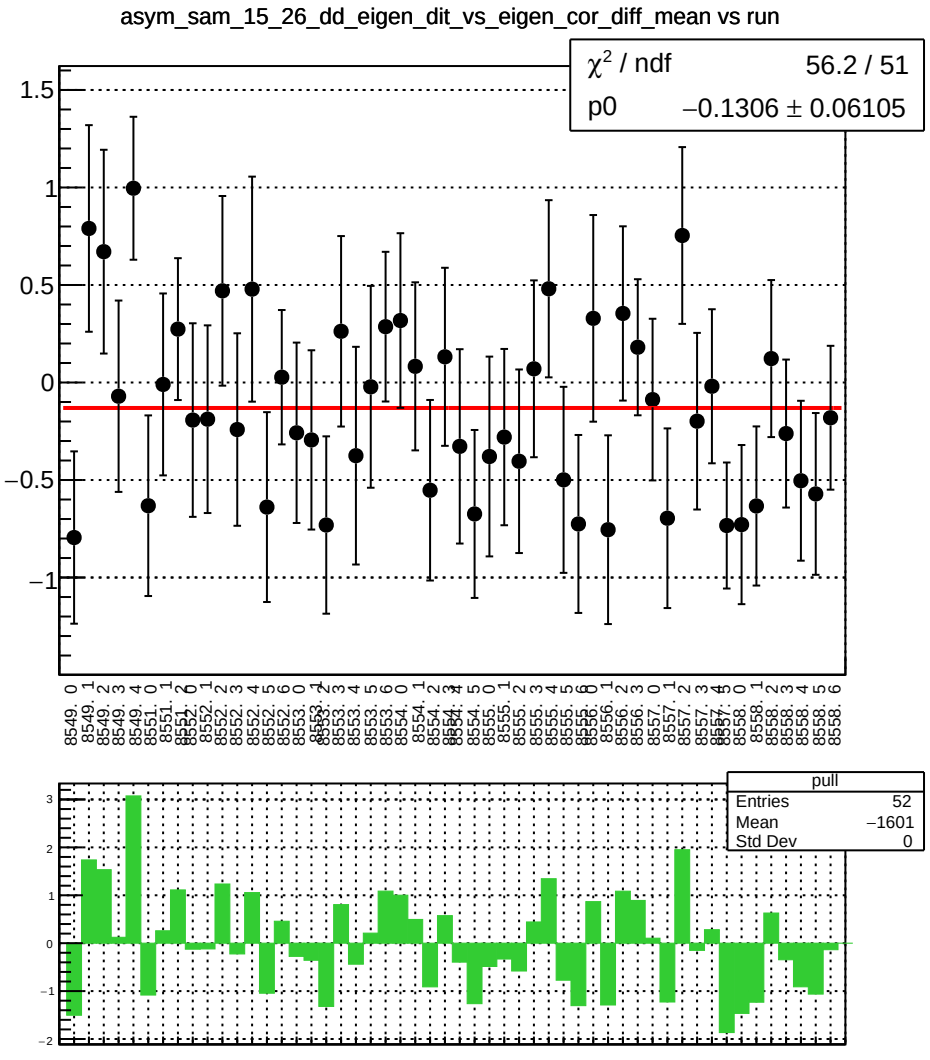

asym_sam_15_26_dd_eigen_dit_vs_dit_diff_mean vs run
×10^−3
χ² / ndf 55.83 / 51
p0 3.787e−06 ± 3.687e−06
0.1
0.05
0
−0.05
−0.1
pull
Entries 52
Mean −5.307
Std Dev 0

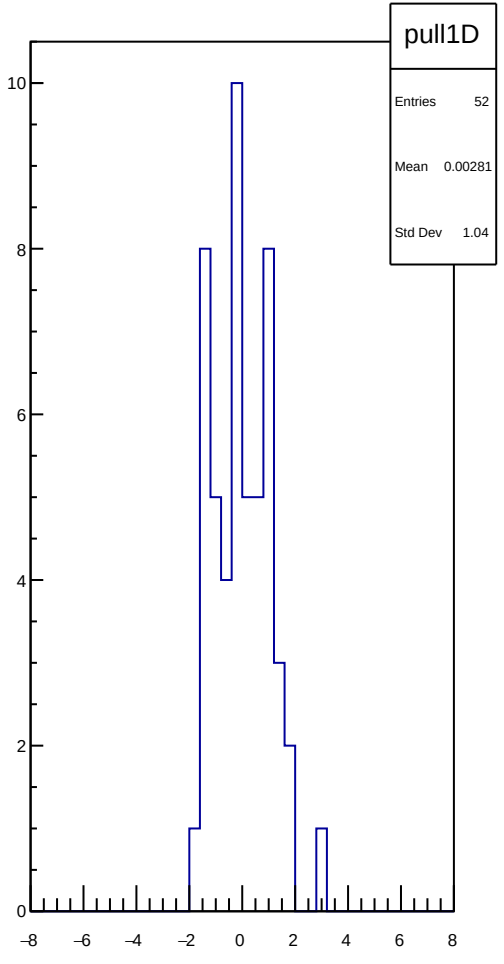

pull1D
Entries 52
Mean 0.01936
Std Dev 1.036

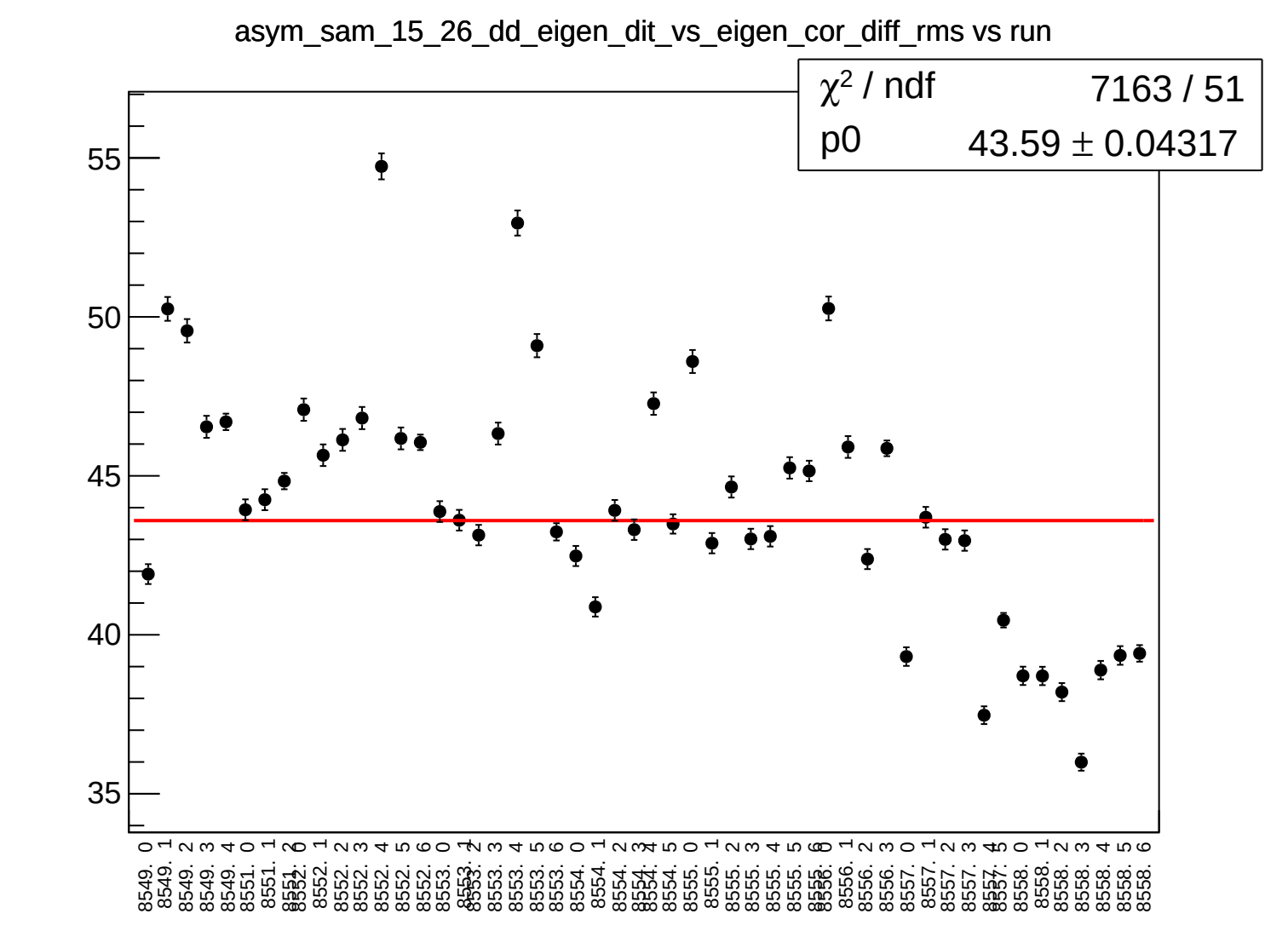

asym_sam_15_26_dd_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 3211 / 51
p0 0.002637 ± 2.607e−06
0.0031
0.003
0.0029
0.0028
0.0027
0.0026
0.0025
0.0024
0.0023
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

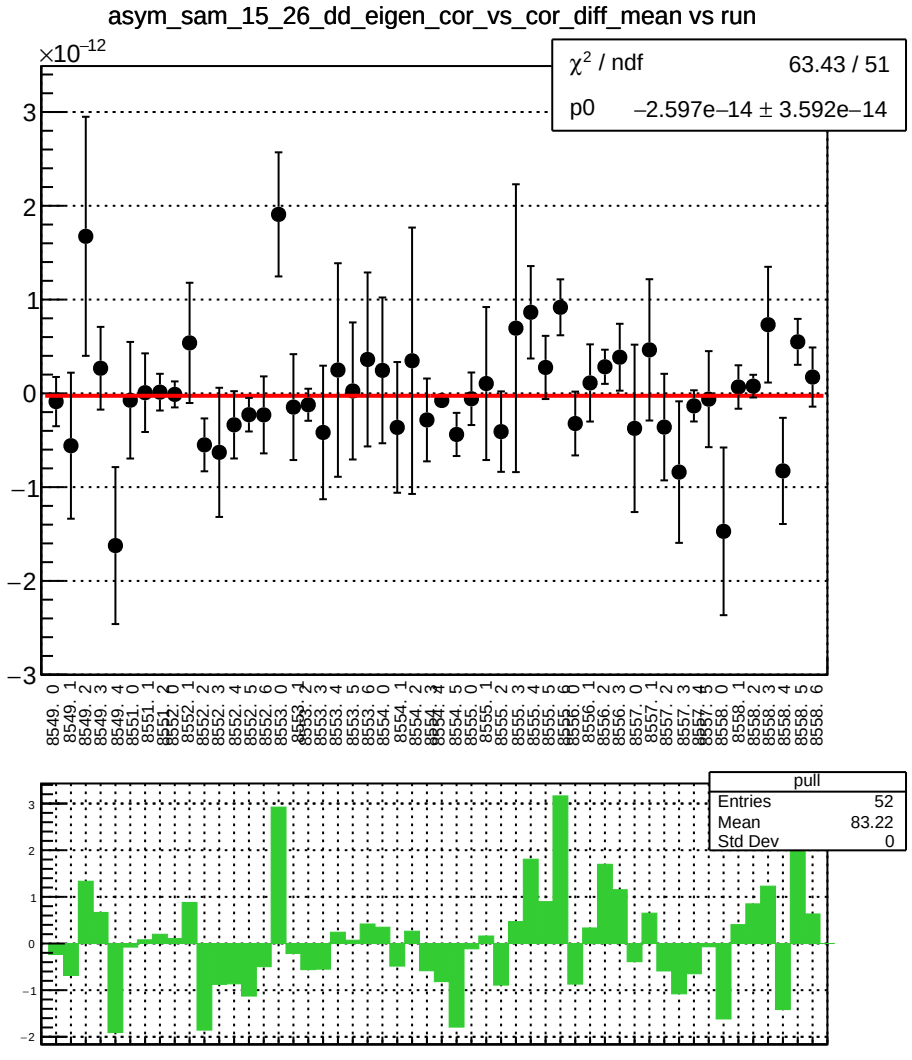

asym_sam_15_26_dd_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 56.2 / 51
p0 −0.1306 ± 0.06105
pull
Entries 52
Mean −1601
Std Dev 0
pull1D
Entries 52
Mean 0.00281
Std Dev 1.04

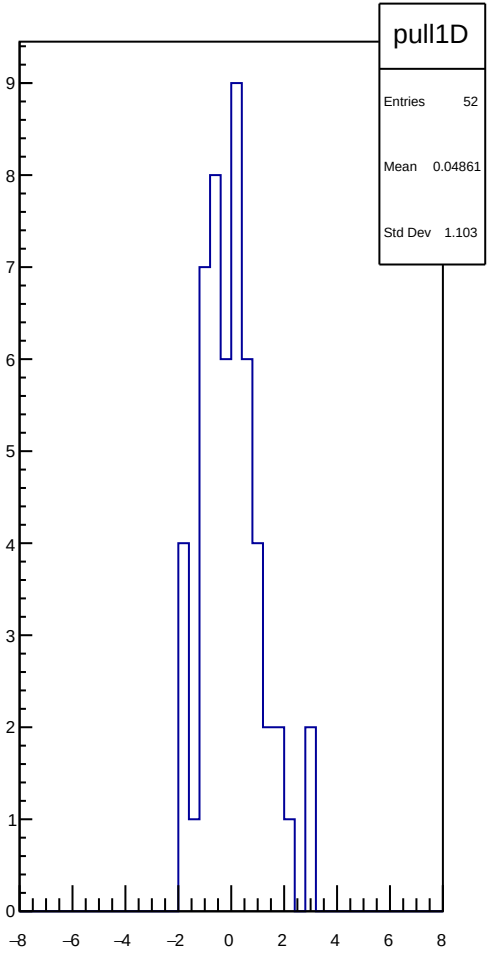

asym_sam_15_26_dd_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 7163 / 51
p0 43.59 ± 0.04317
55
50
45
40
35
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

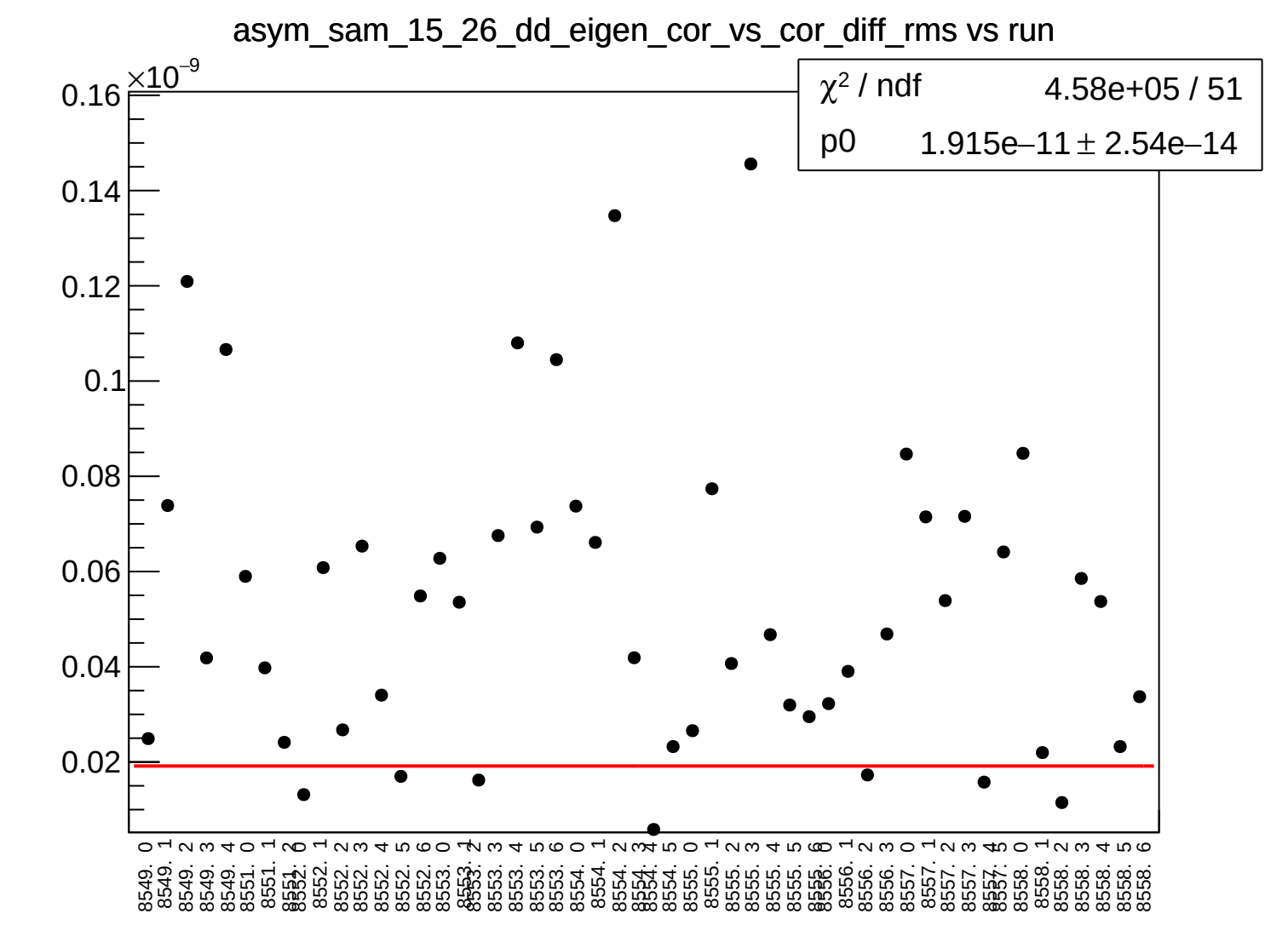

asym_sam_15_26_dd_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 56.2 / 51
p0 −0.1306 ± 0.06105
pull
Entries 52
Mean −1601
Std Dev 0

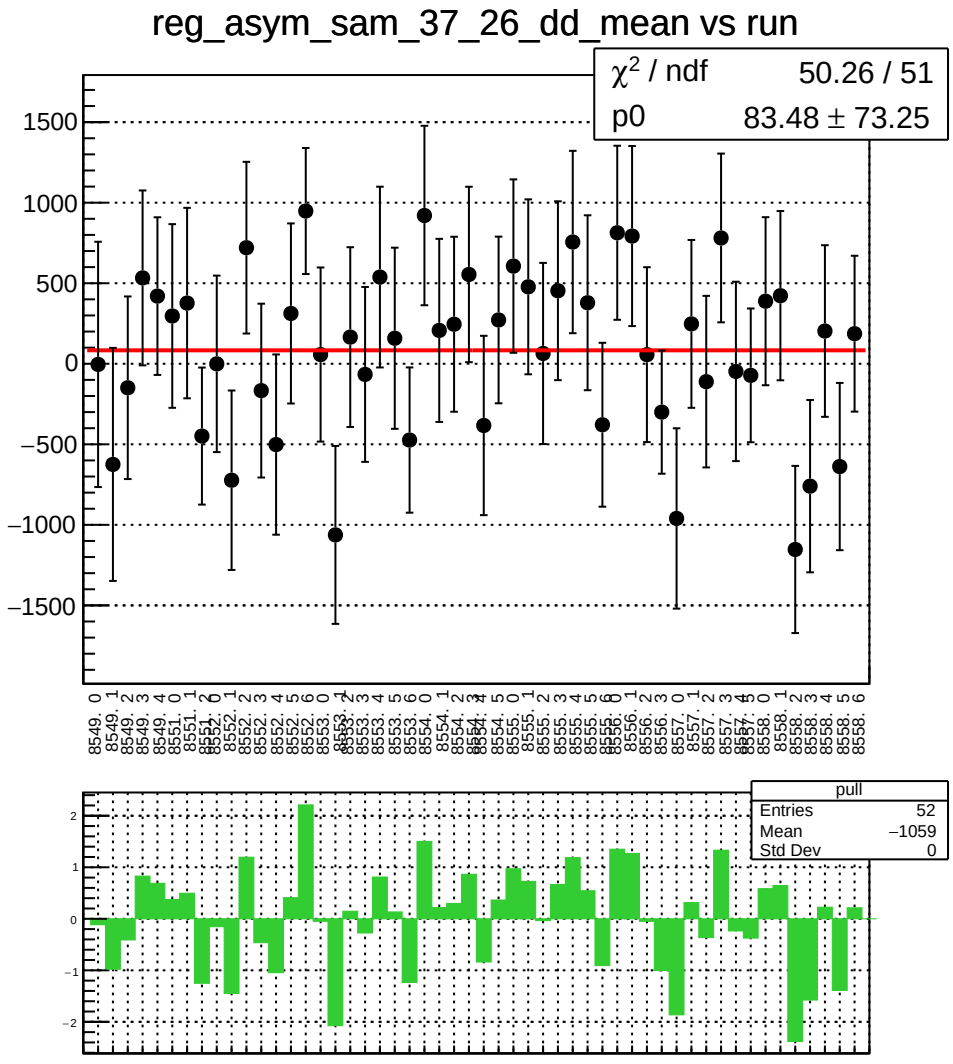

pull1D
Entries 52
Mean 0.00281
Std Dev 1.04

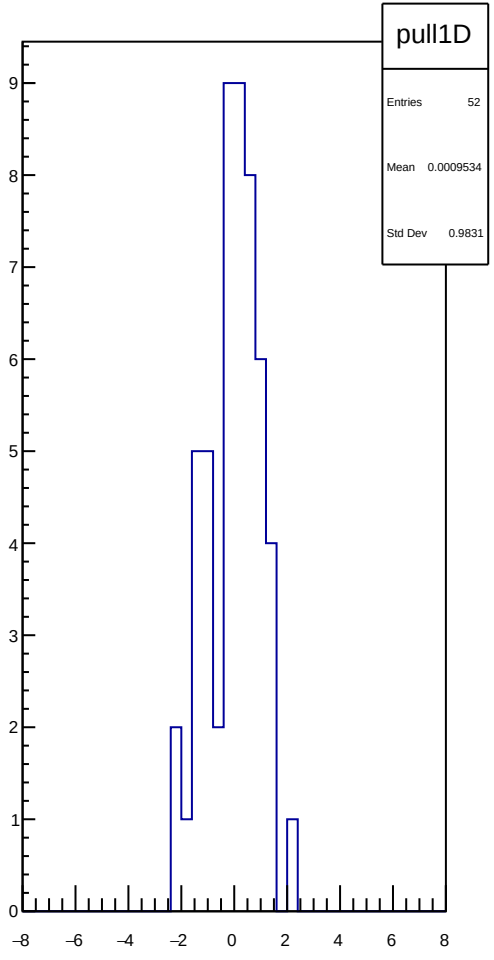

asym_sam_15_26_dd_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 7163 / 51
p0 43.59 ± 0.04317
55
50
45
40
35
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

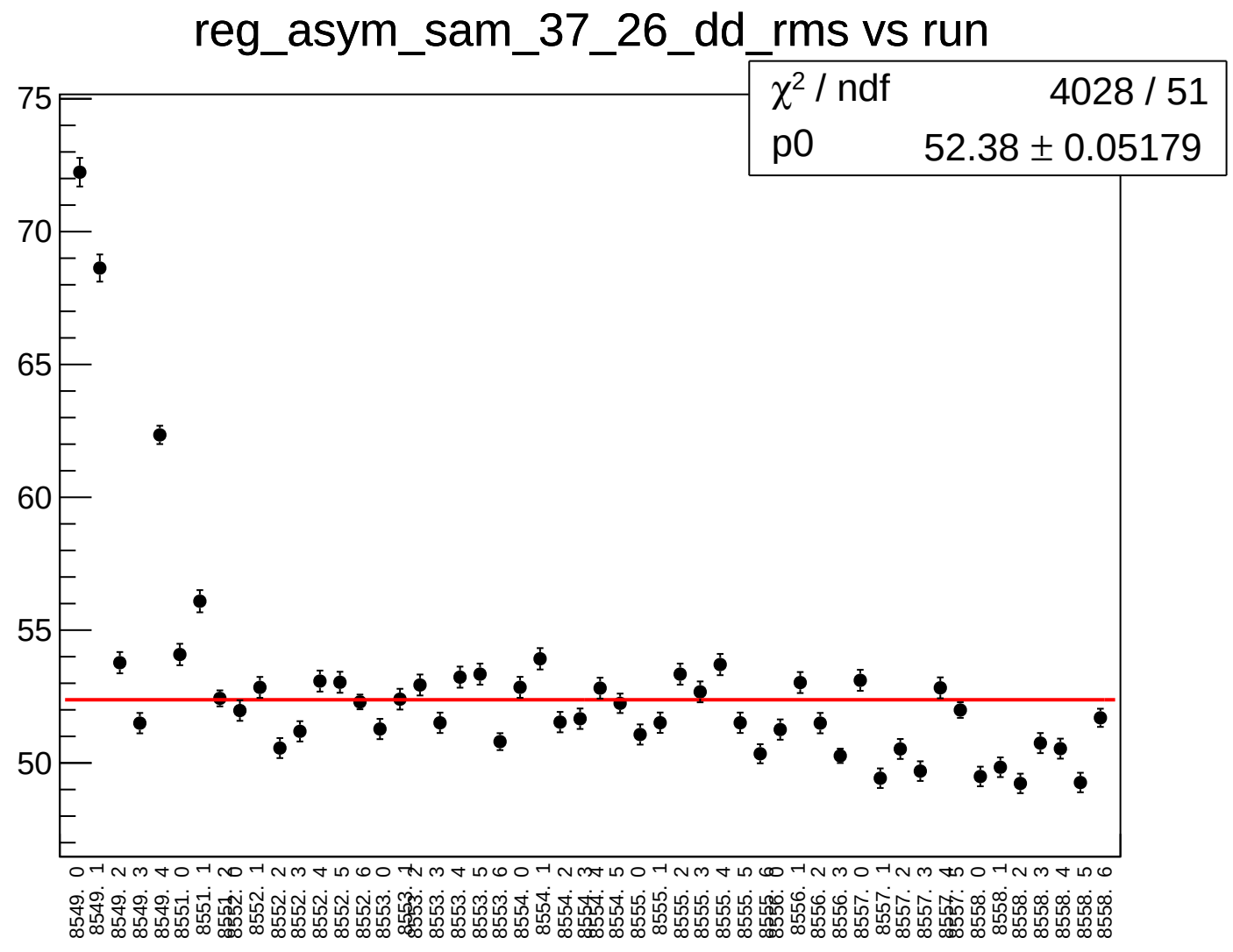

asym_sam_15_26_dd_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 63.43 / 51
p0 −2.597e−14 ± 3.592e−14
pull
Entries 52
Mean 83.22
Std Dev 0


pull1D
Entries 52
Mean 0.04861
Std Dev 1.103


asym_sam_15_26_dd_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 4.58e+05 / 51
p0 1.915e−11 ± 2.54e−14
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6


reg_asym_sam_37_26_dd_mean vs run
χ² / ndf 50.26 / 51
p0 83.48 ± 73.25
1500
1000
500
0
−500
−1000
−1500
pull
Entries 52
Mean −1059
Std Dev 0
2
1
0
−1
−2


pull1D
Entries 52
Mean 0.0009534
Std Dev 0.9831
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


reg_asym_sam_37_26_dd_rms vs run
χ² / ndf 4028 / 51
p0 52.38 ± 0.05179
75
70
65
60
55
50
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
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8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
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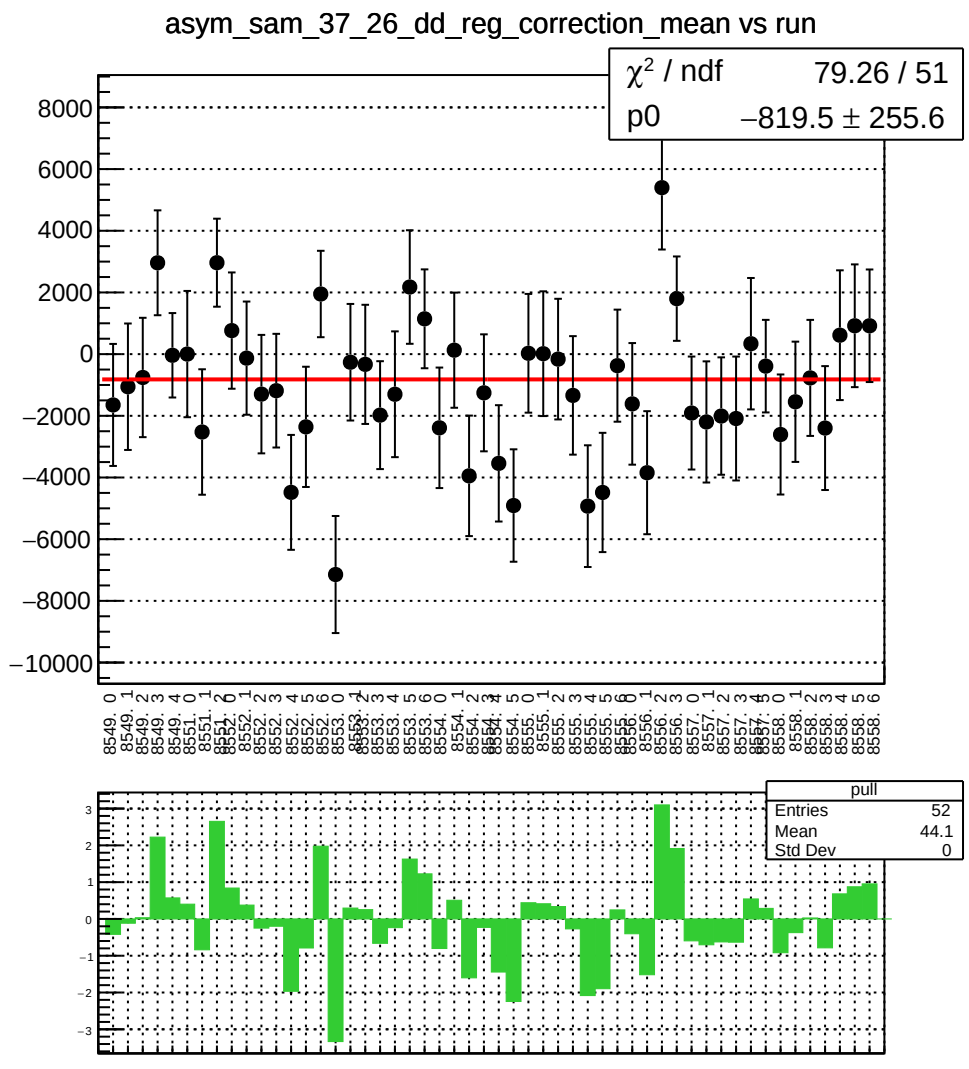
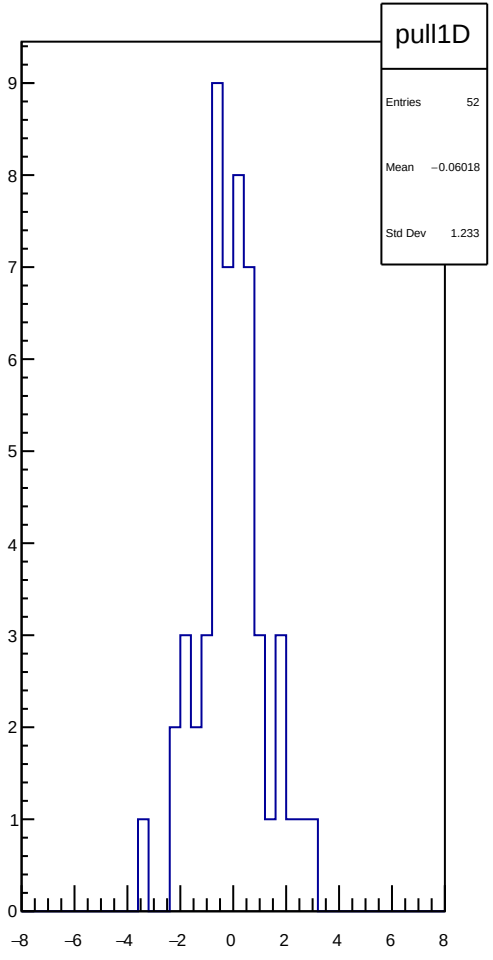
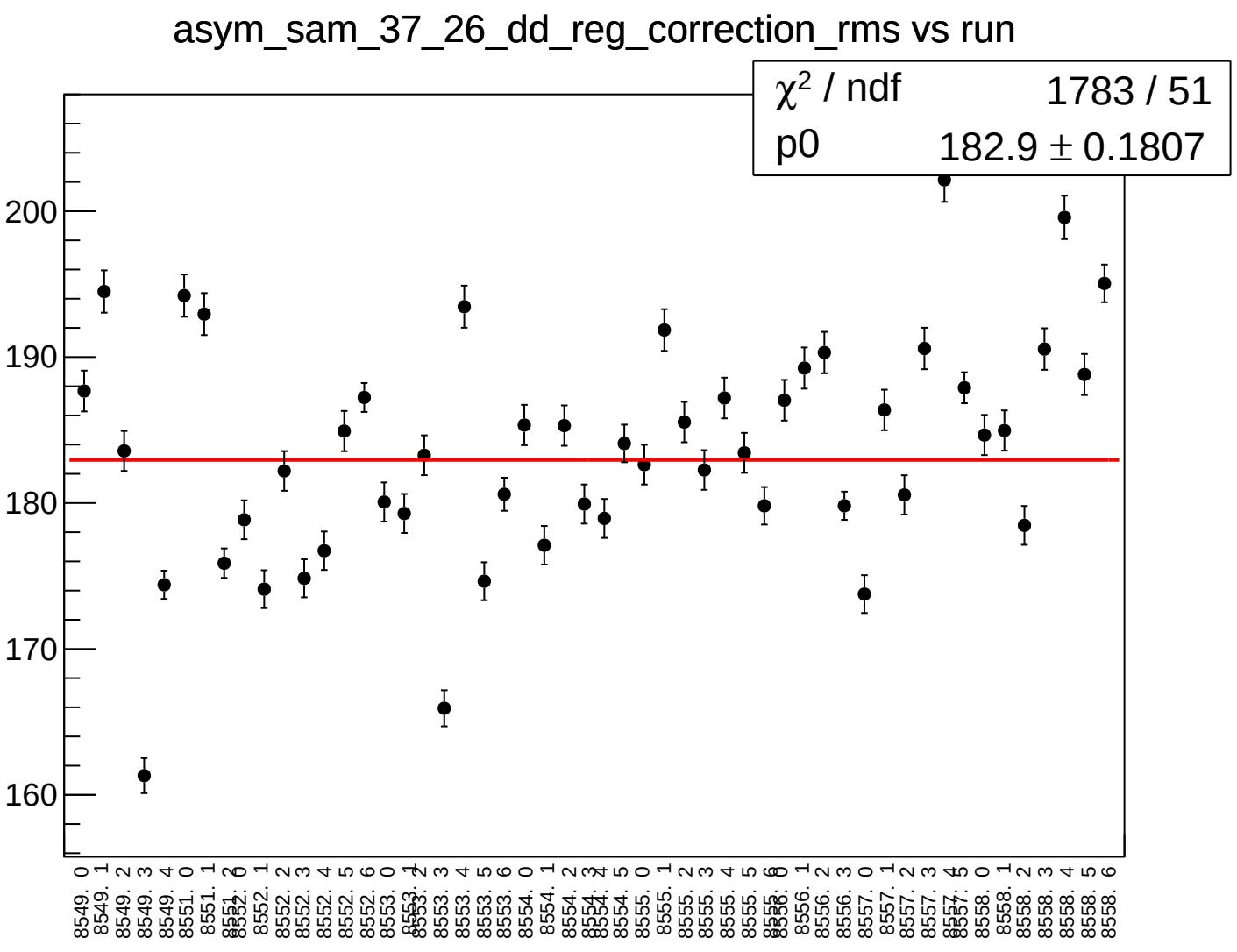
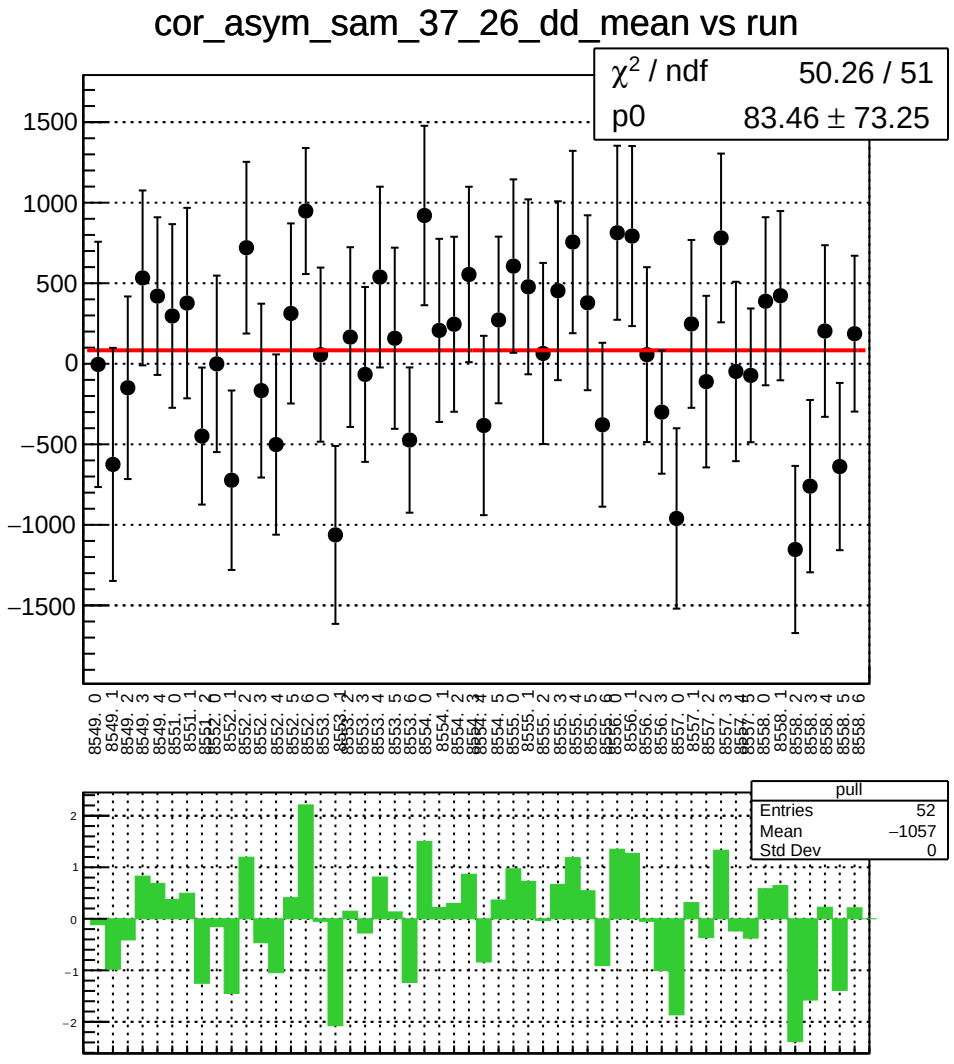
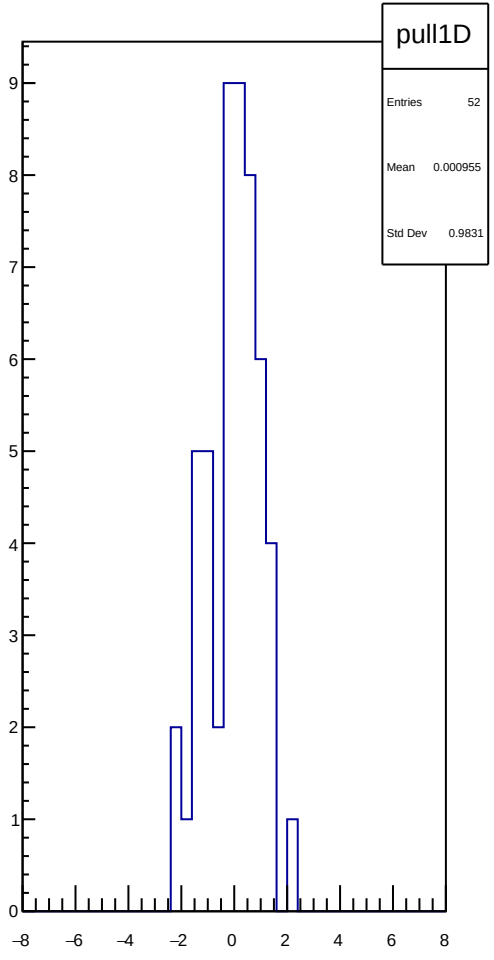
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

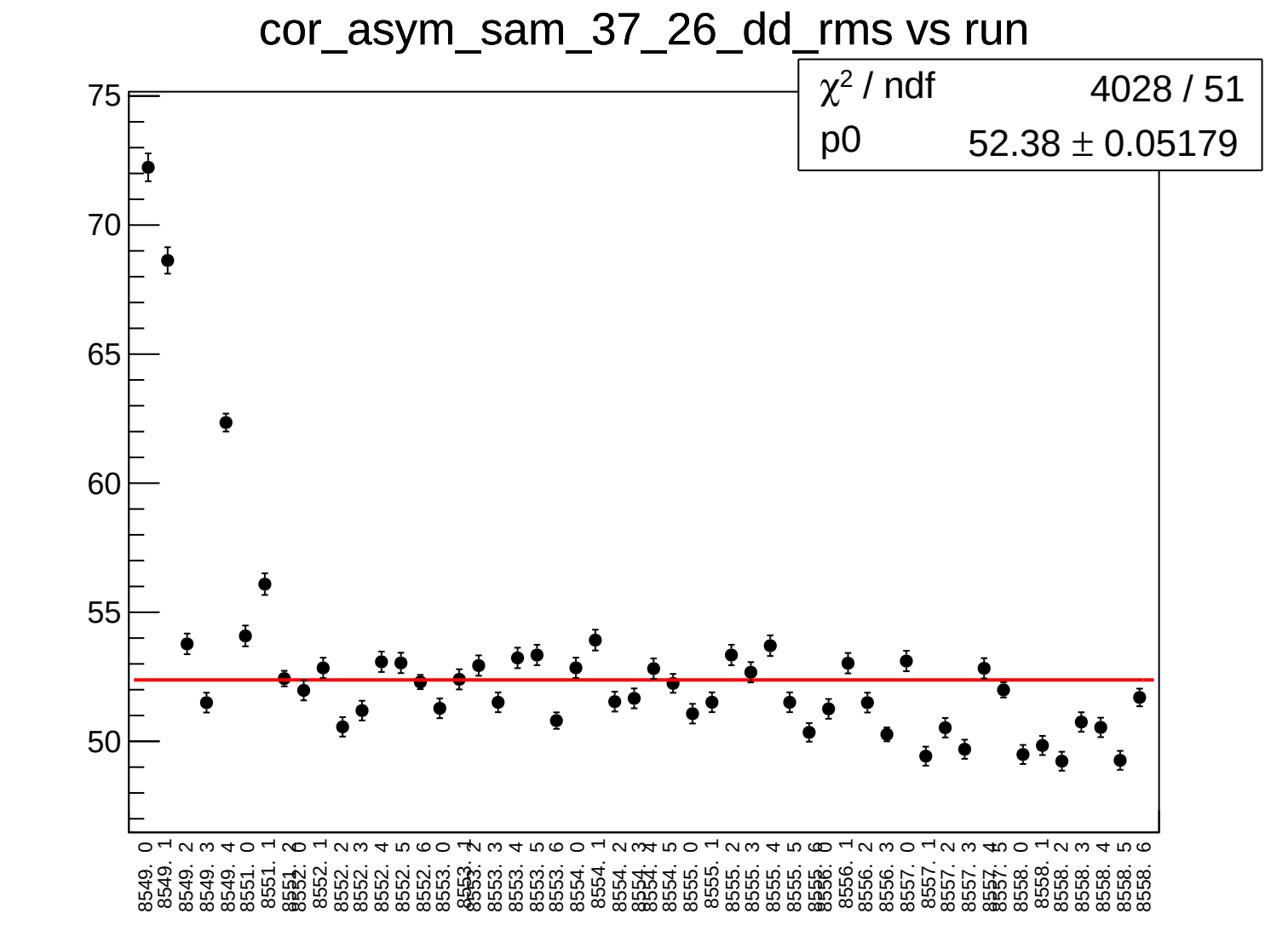

asym_sam_37_26_dd_reg_correction_mean vs run
χ² / ndf 79.26 / 51
p0 −819.5 ± 255.6
pull
Entries 52
Mean 44.1
Std Dev 0

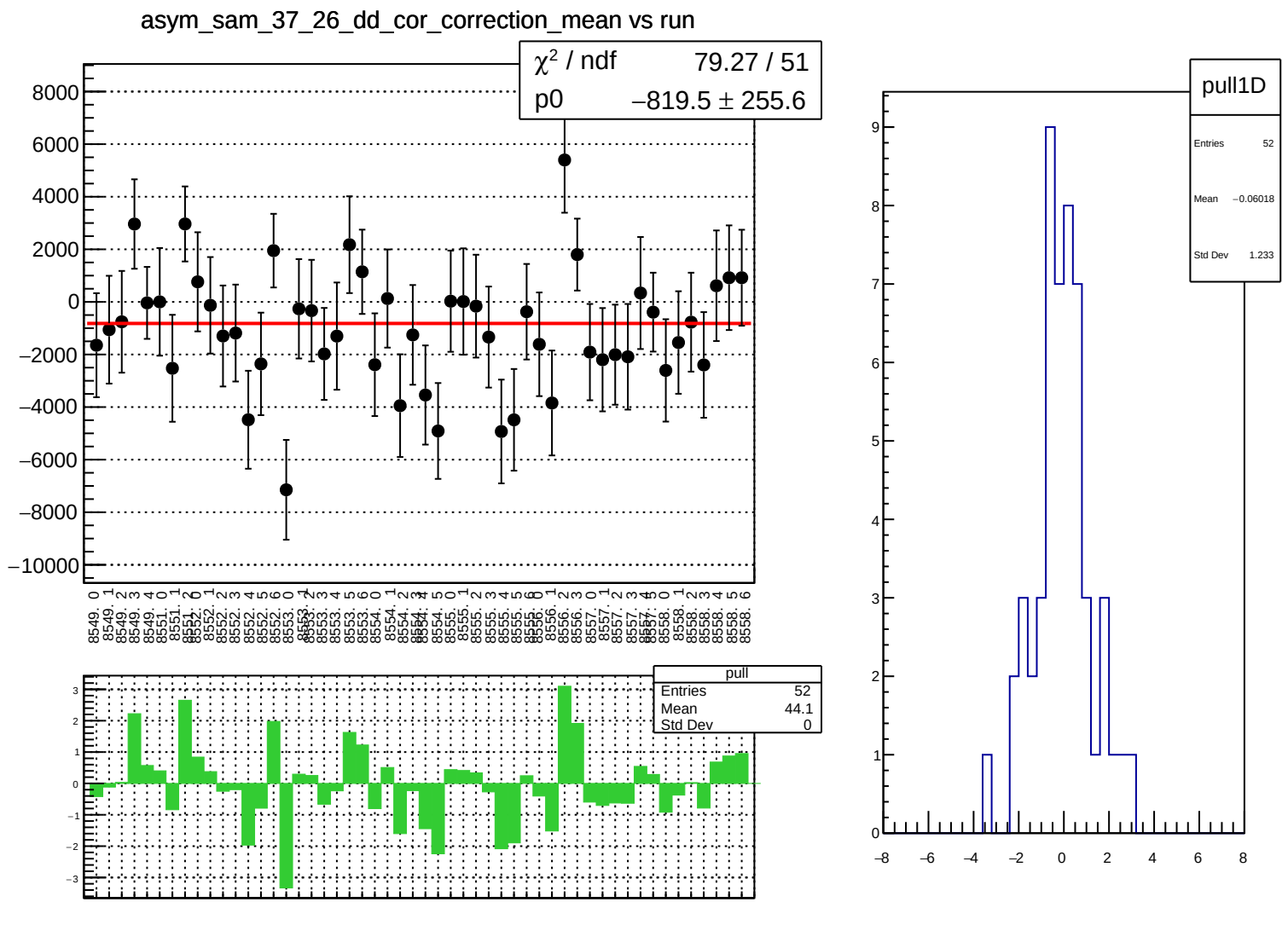

pull1D
Entries 52
Mean −0.06018
Std Dev 1.233

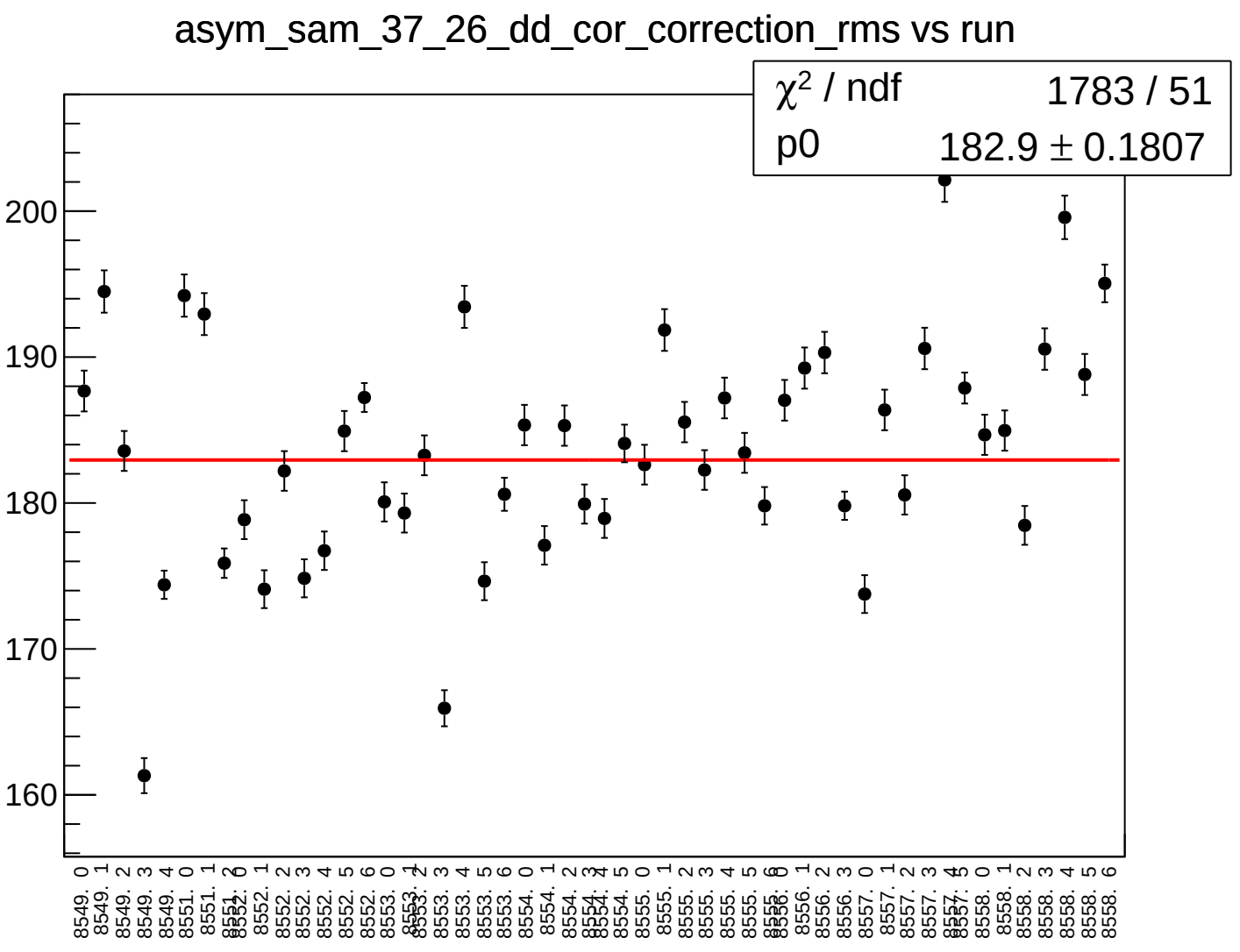

asym_sam_37_26_dd_reg_correction_rms vs run
χ² / ndf 1783 / 51
p0 182.9 ± 0.1807
200
190
180
170
160
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 5
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6


cor_asym_sam_37_26_dd_mean vs run
χ² / ndf 50.26 / 51
p0 83.46 ± 73.25
pull
Entries 52
Mean −1057
Std Dev 0


pull1D
Entries 52
Mean 0.000955
Std Dev 0.9831


cor_asym_sam_37_26_dd_rms vs run
χ² / ndf 4028 / 51
p0 52.38 ± 0.05179
75
70
65
60
55
50
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6


asym_sam_37_26_dd_cor_correction_mean vs run
χ² / ndf 79.27 / 51
p0 −819.5 ± 255.6
pull
Entries 52
Mean 44.1
Std Dev 0
pull1D
Entries 52
Mean −0.06018
Std Dev 1.233


asym_sam_37_26_dd_cor_correction_rms vs run
χ² / ndf 1783 / 51
p0 182.9 ± 0.1807
200
190
180
170
160
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 5
8555. 0
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8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
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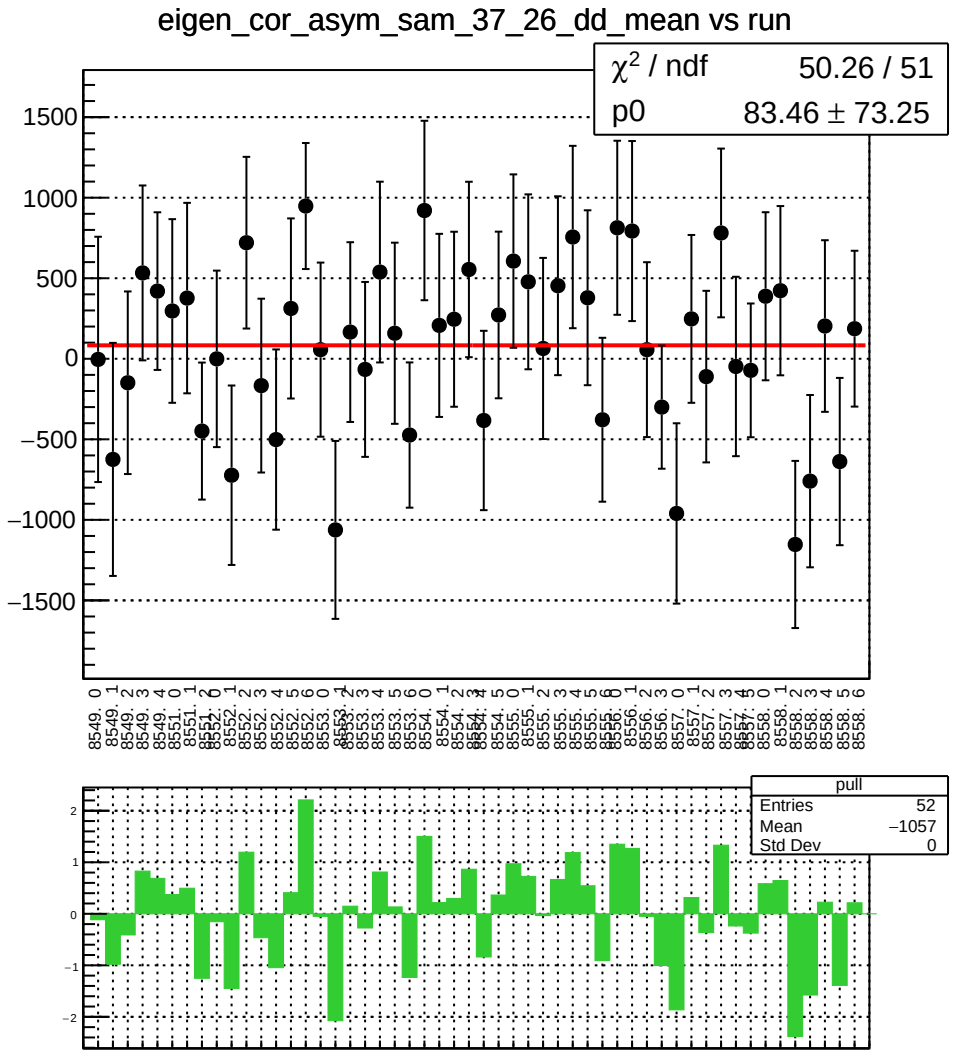
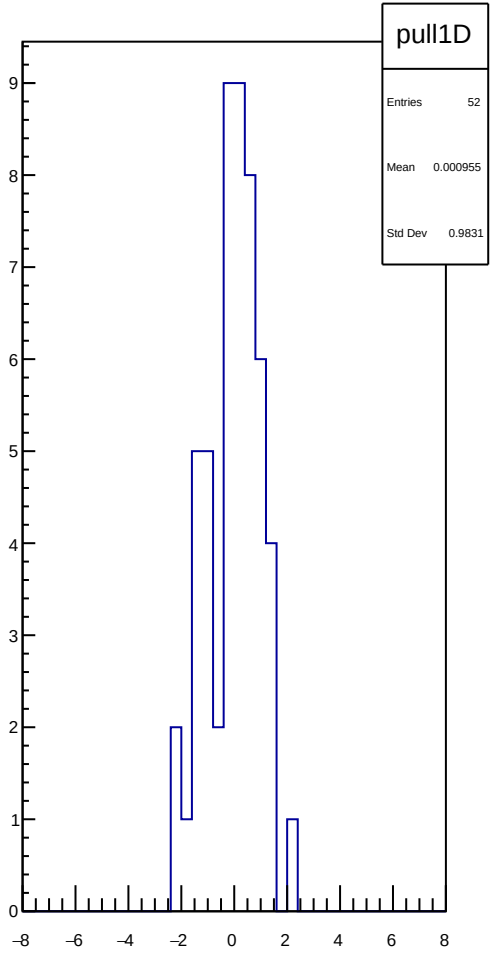
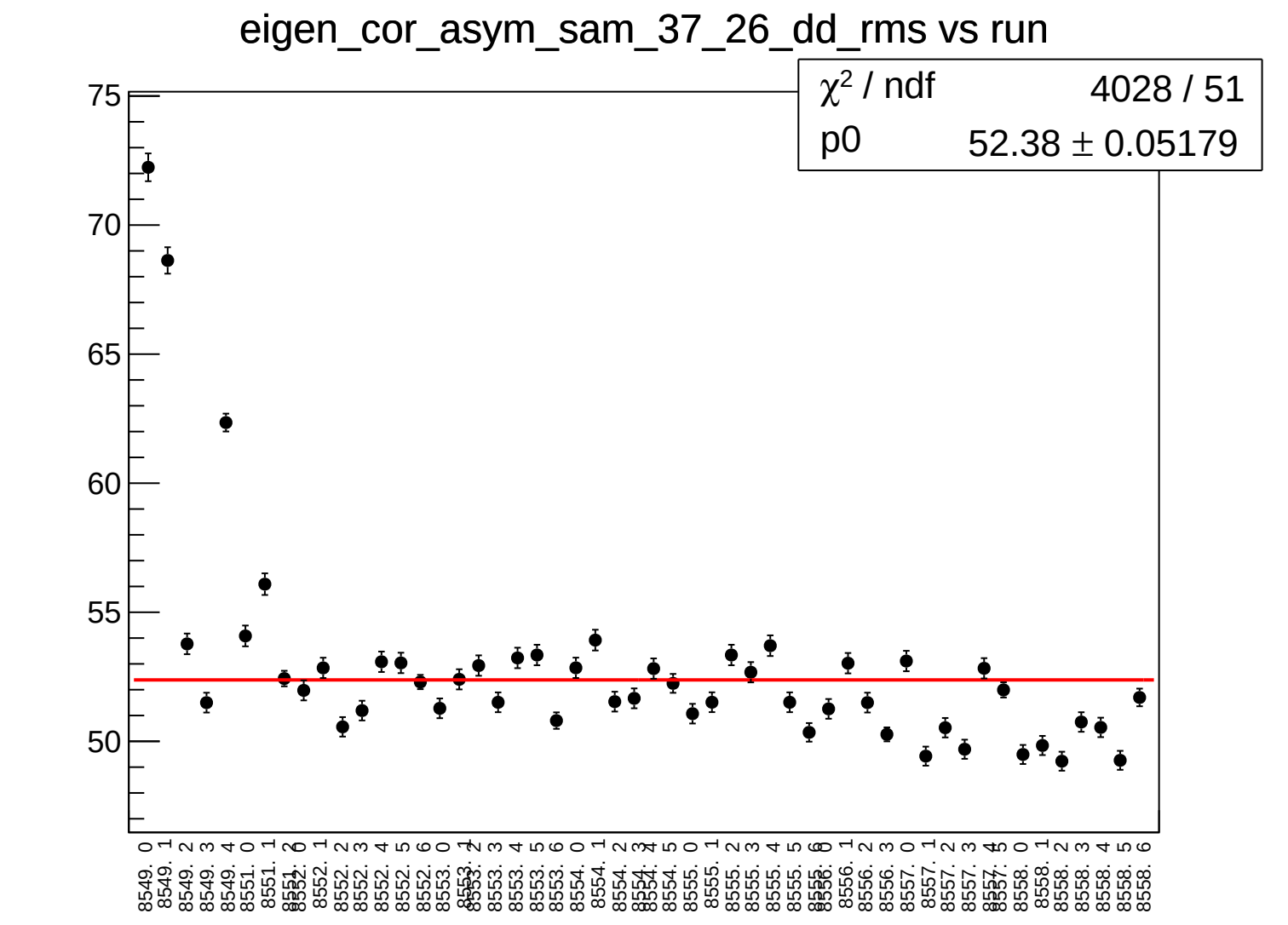
8558. 5
8558. 6


eigen_cor_asym_sam_37_26_dd_mean vs run
χ² / ndf 50.26 / 51
p0 83.46 ± 73.25
pull
Entries 52
Mean −1057
Std Dev 0


pull1D
Entries 52
Mean 0.000955
Std Dev 0.9831


eigen_cor_asym_sam_37_26_dd_rms vs run
χ² / ndf 4028 / 51
p0 52.38 ± 0.05179
75
70
65
60
55
50
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
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8553. 6
8554. 0
8554. 1
8554. 2
8555. 0
8555. 1
8555. 2
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8555. 5
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8556. 3
8557. 0
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8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
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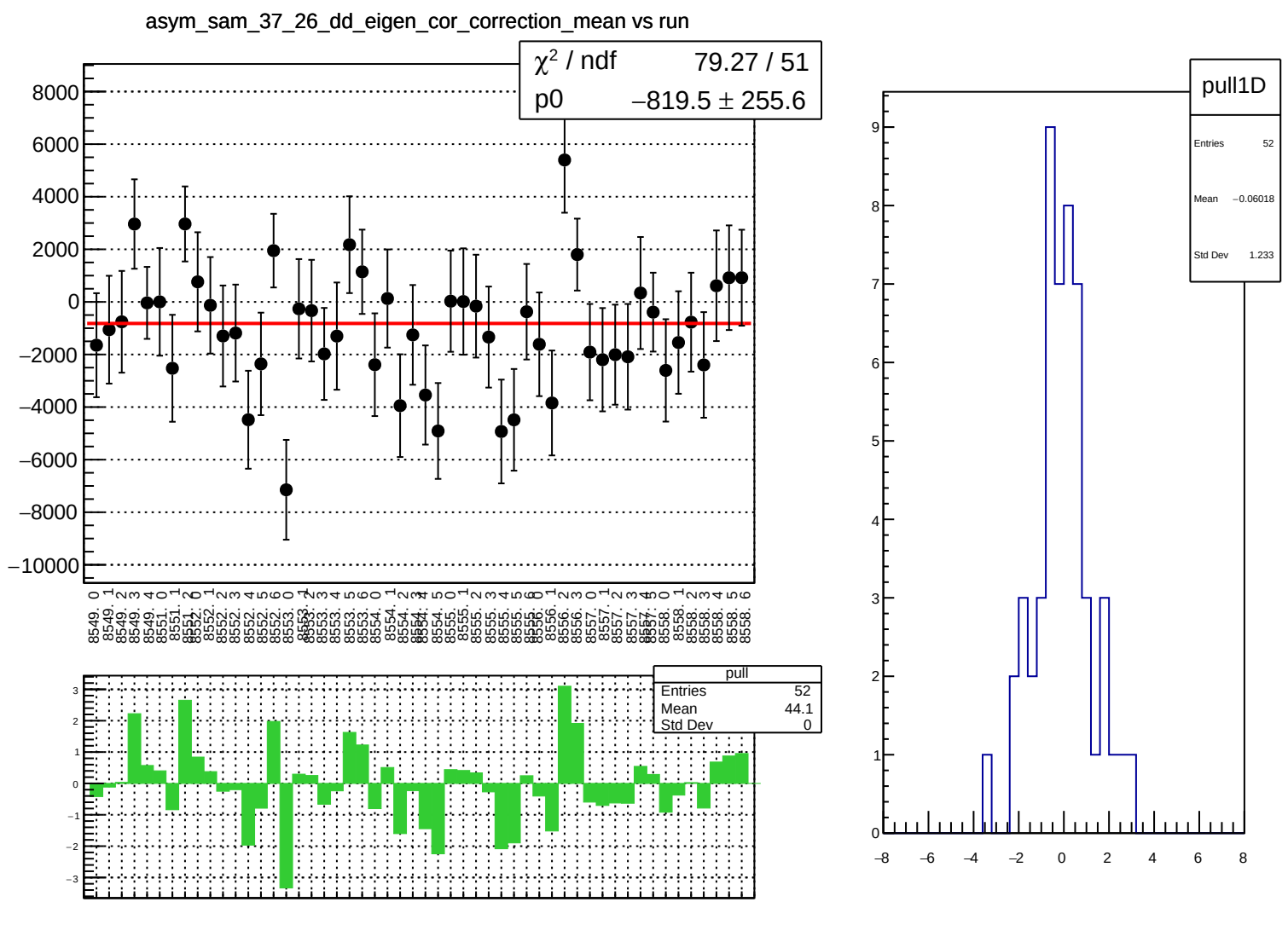
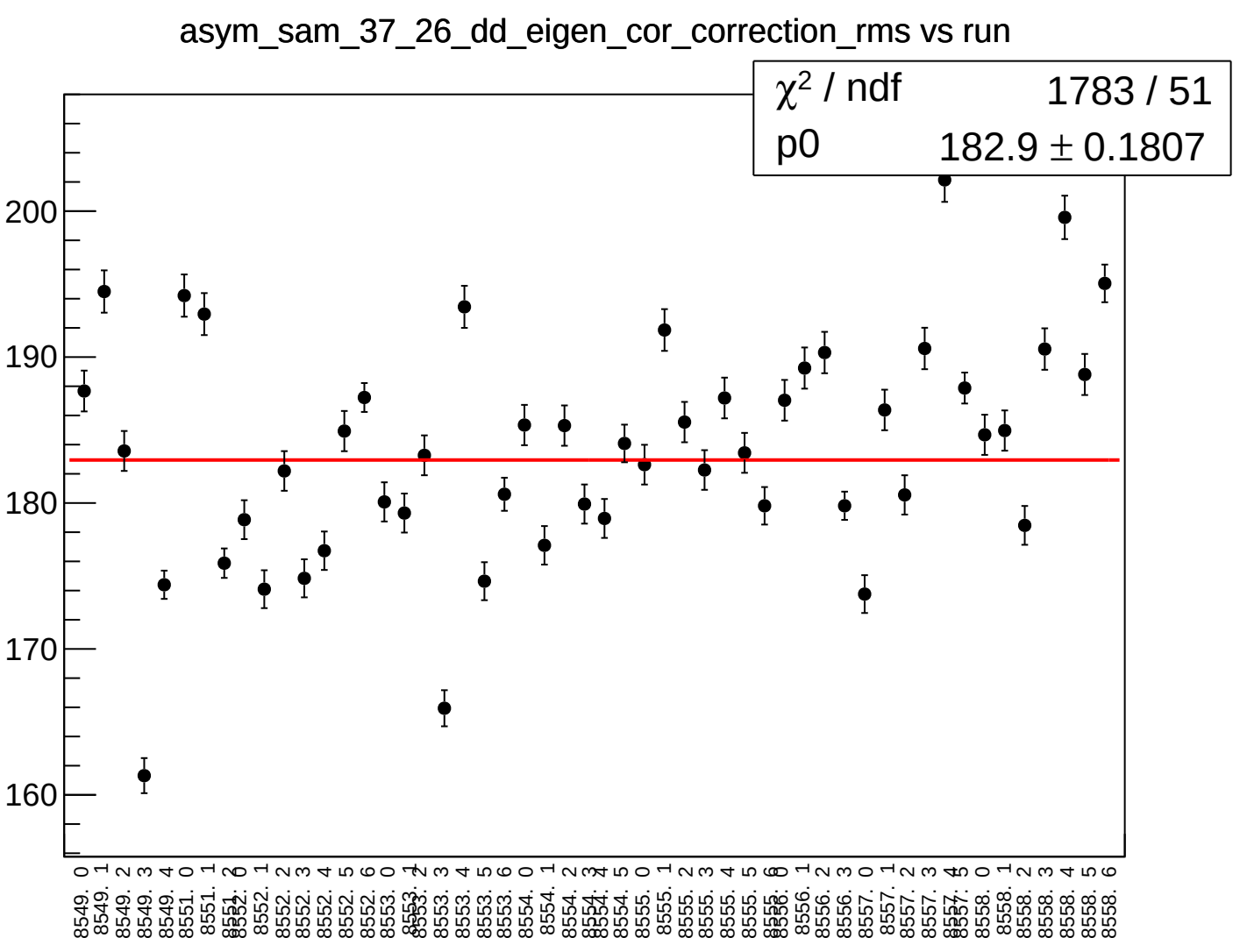
8558. 5
8558. 6


asym_sam_37_26_dd_eigen_cor_correction_mean vs run
χ² / ndf 79.27 / 51
p0 −819.5 ± 255.6
pull
Entries 52
Mean 44.1
Std Dev 0
pull1D
Entries 52
Mean −0.06018
Std Dev 1.233


asym_sam_37_26_dd_eigen_cor_correction_rms vs run
χ² / ndf 1783 / 51
p0 182.9 ± 0.1807
200
190
180
170
160
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
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8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 5
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
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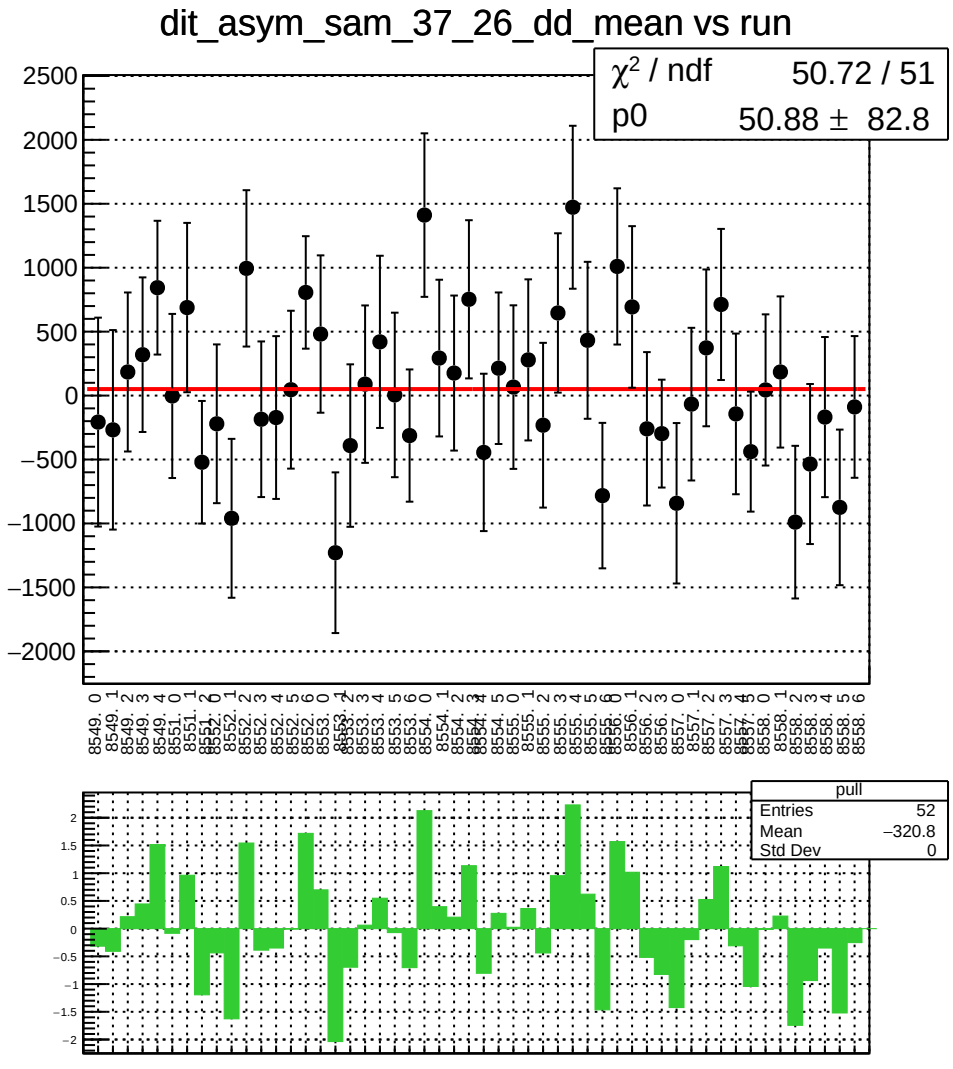
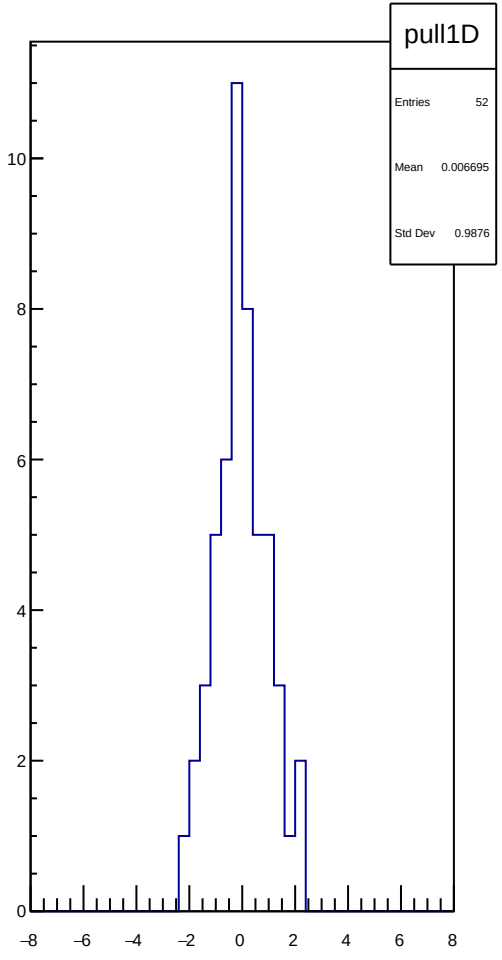
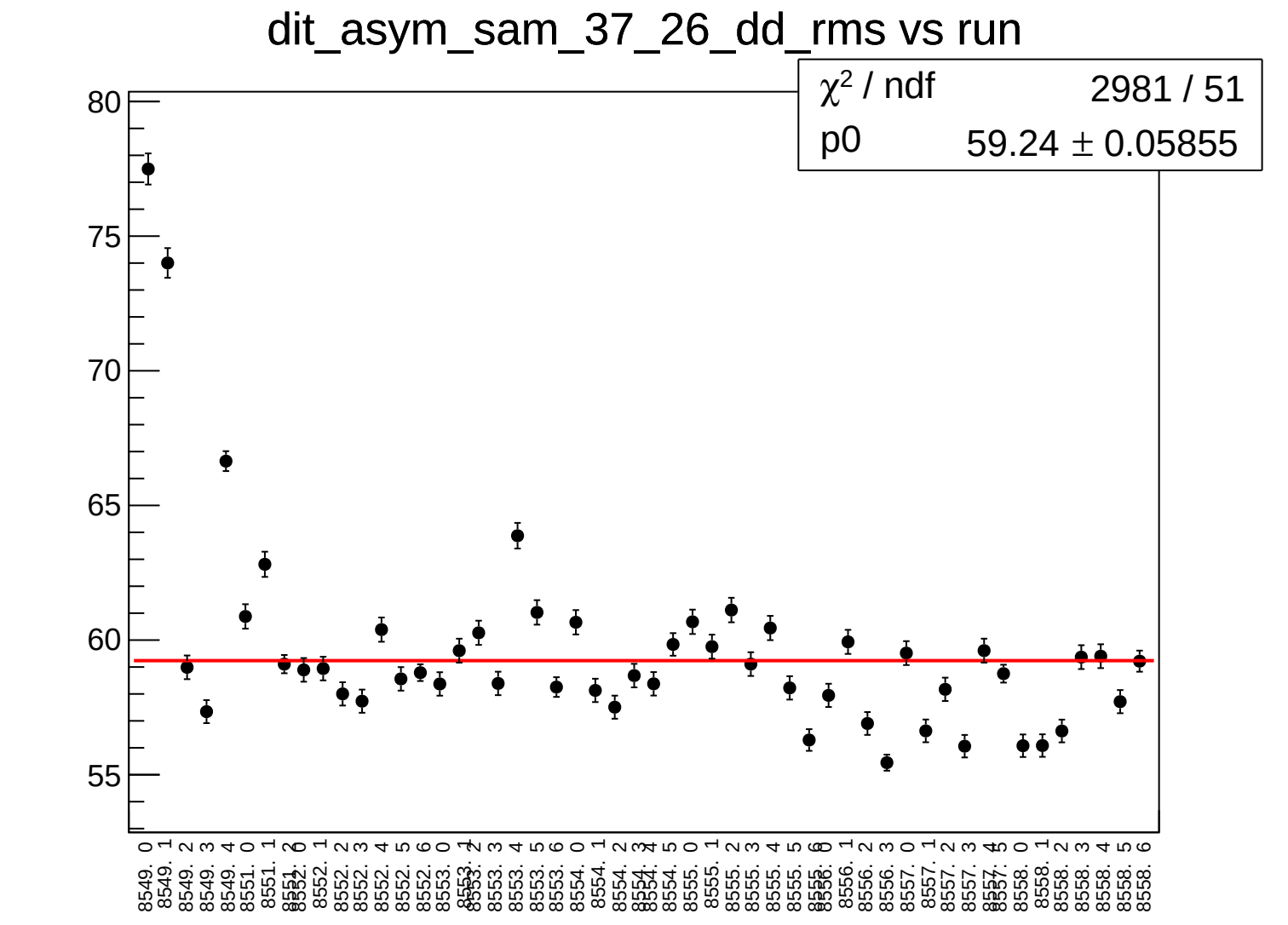
8558. 6


dit_asym_sam_37_26_dd_mean vs run
χ² / ndf 50.72 / 51
p0 50.88 ± 82.8
pull
Entries 52
Mean −320.8
Std Dev 0


pull1D
Entries 52
Mean 0.006695
Std Dev 0.9876


dit_asym_sam_37_26_dd_rms vs run
χ² / ndf 2981 / 51
p0 59.24 ± 0.05855
80
75
70
65
60
55
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
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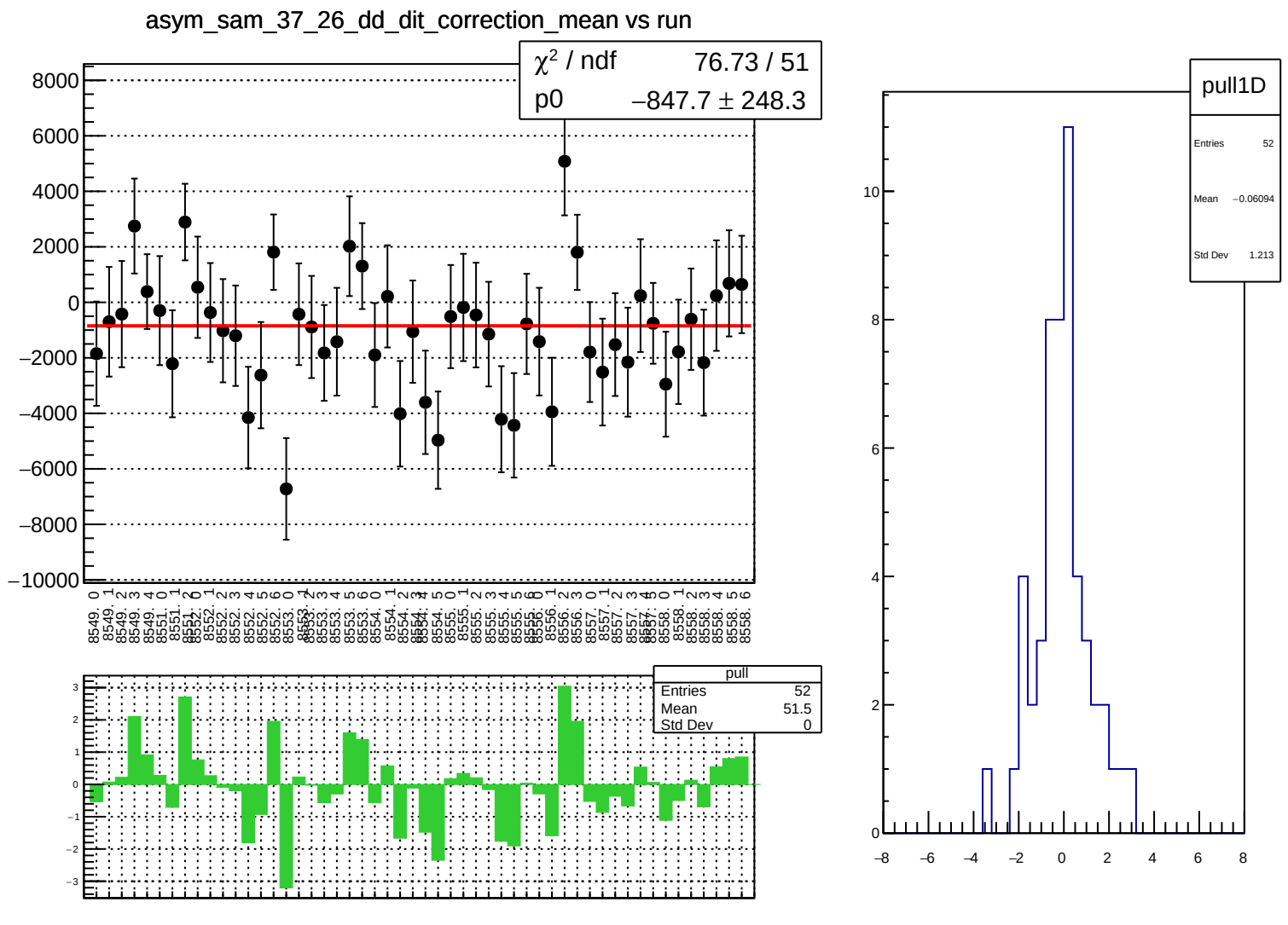
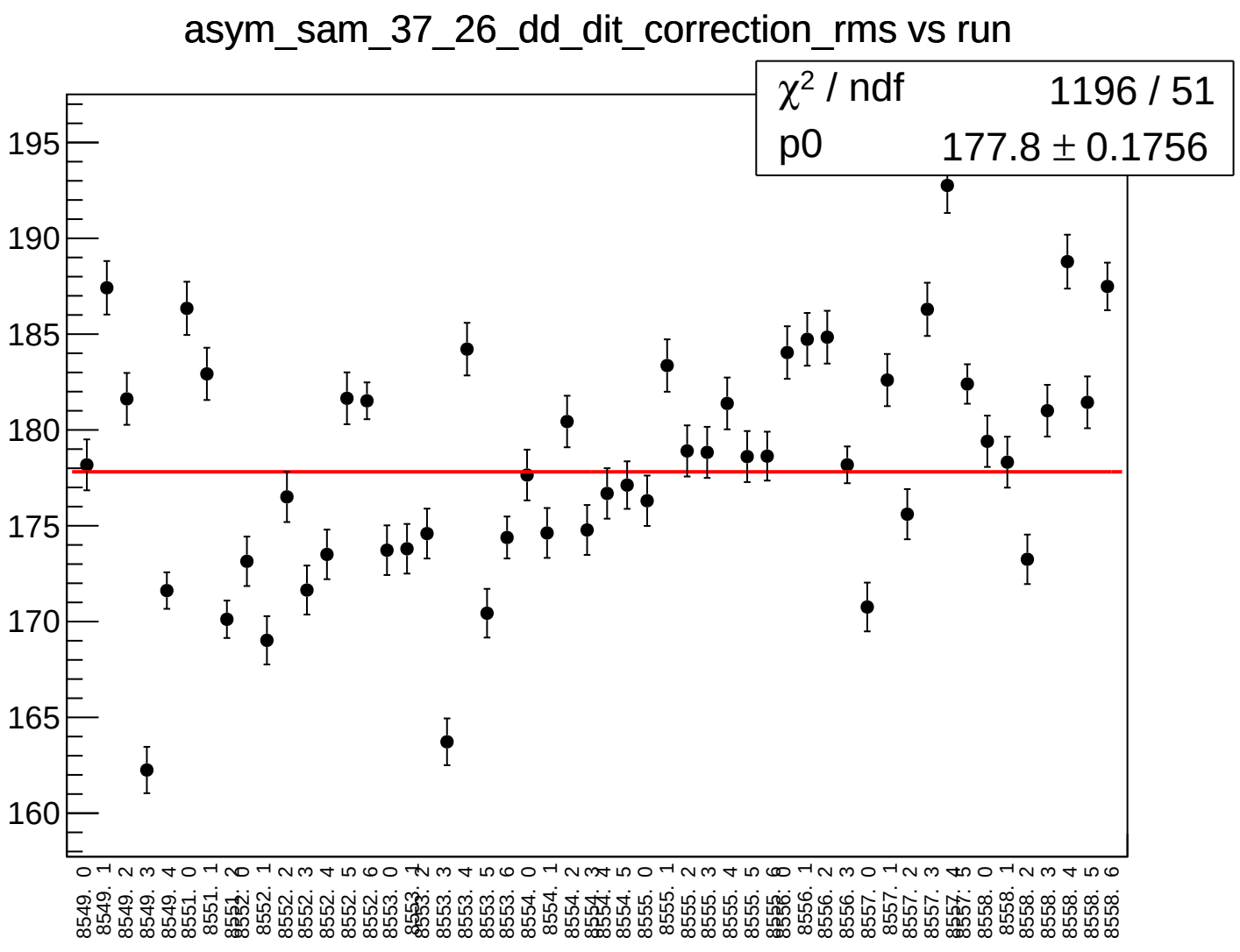

asym_sam_37_26_dd_dit_correction_mean vs run
χ² / ndf 76.73 / 51
p0 −847.7 ± 248.3
pull
Entries 52
Mean 51.5
Std Dev 0
pull1D
Entries 52
Mean −0.06094
Std Dev 1.213


asym_sam_37_26_dd_dit_correction_rms vs run
χ² / ndf 1196 / 51
p0 177.8 ± 0.1756
195
190
185
180
175
170
165
160
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 5
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
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8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
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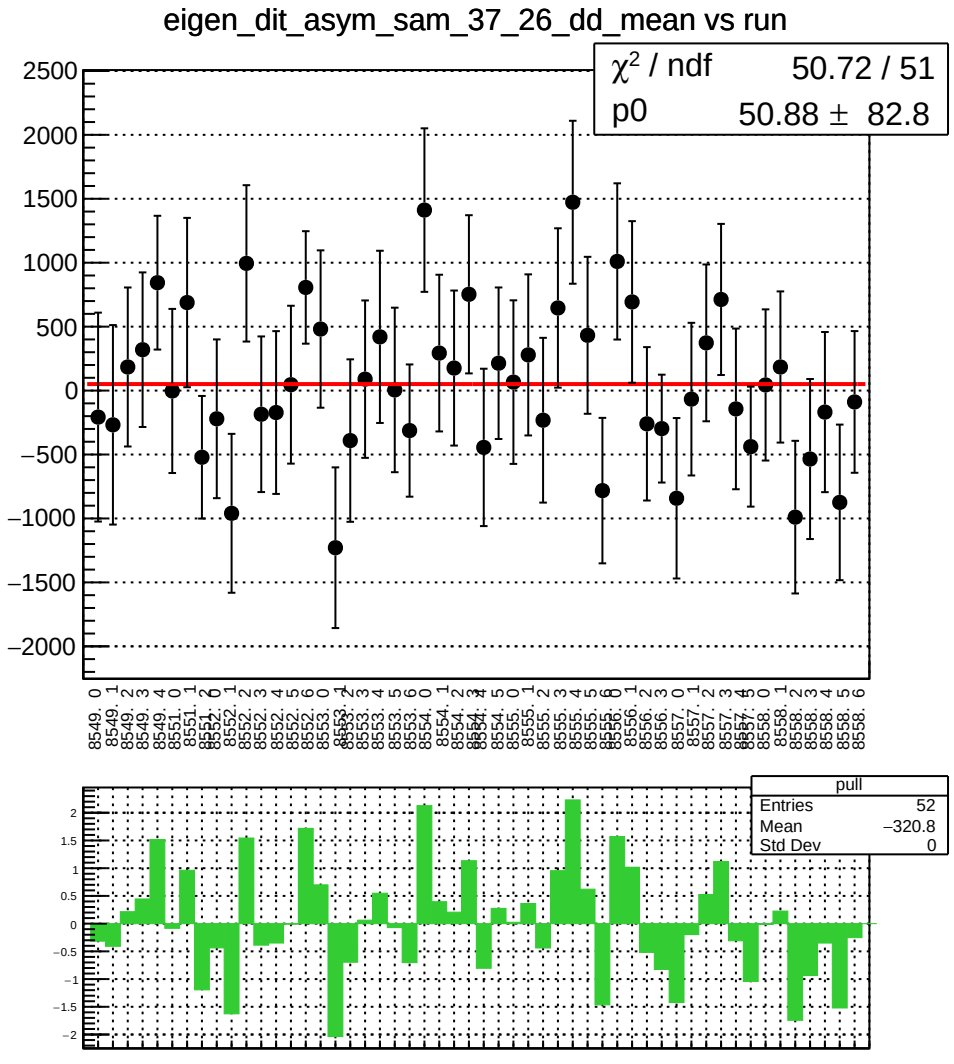
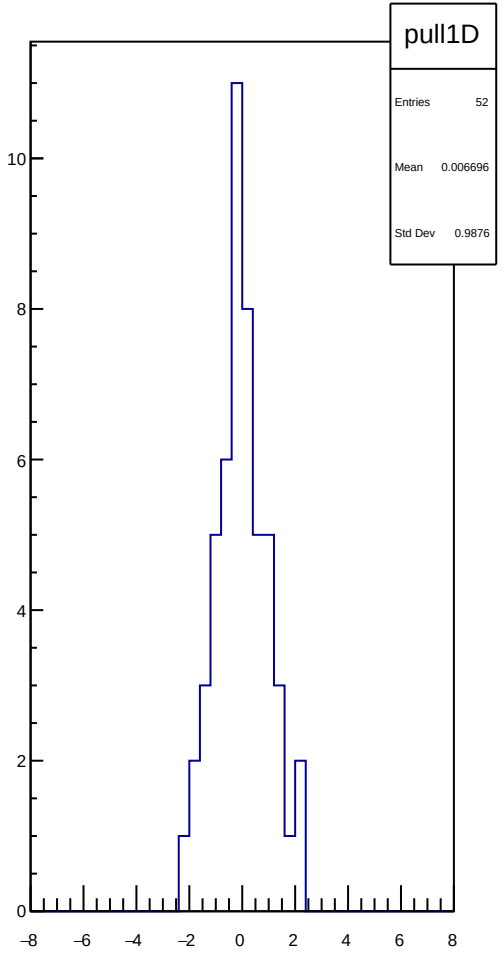
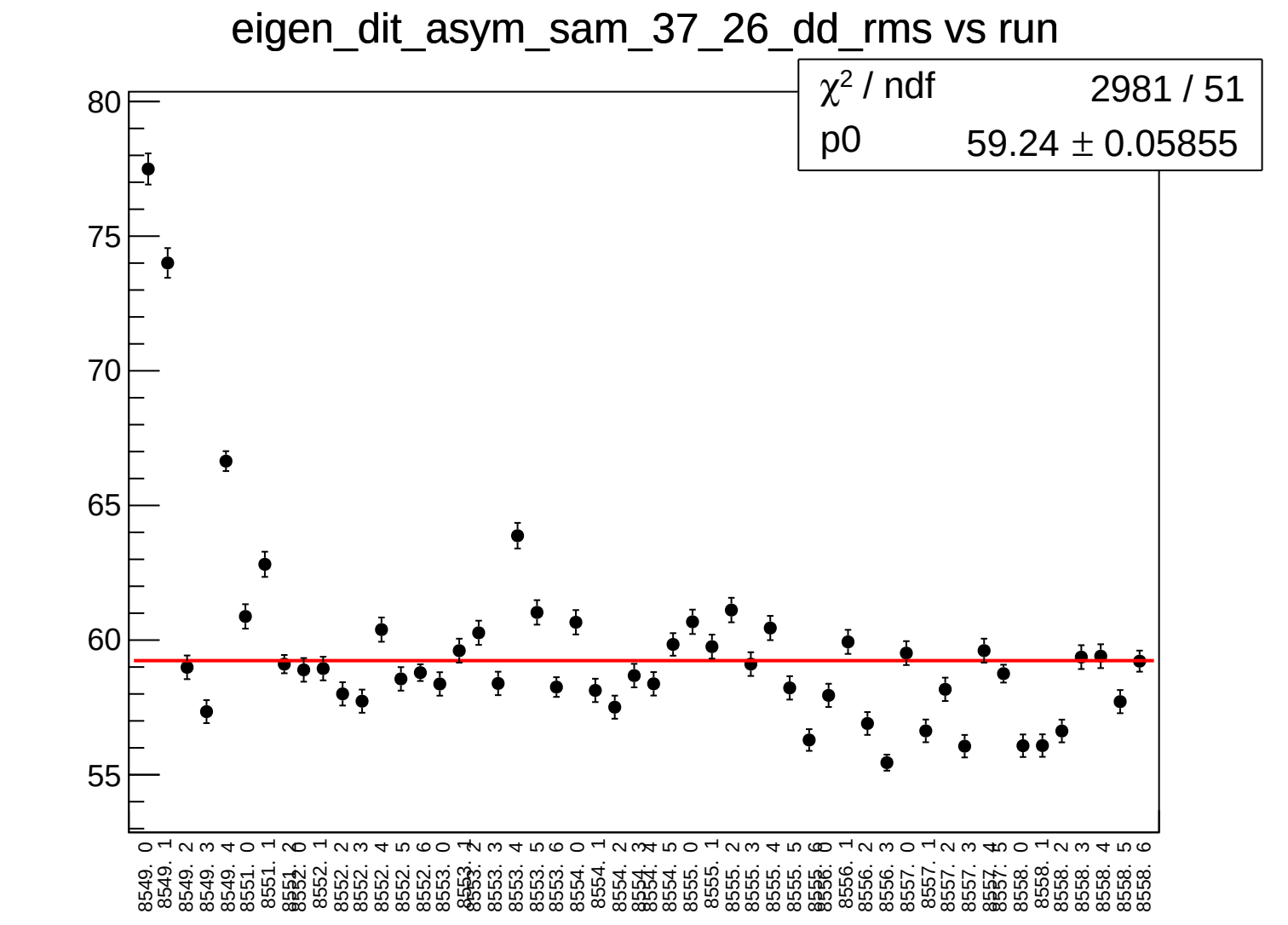
8558. 5
8558. 6


eigen_dit_asym_sam_37_26_dd_mean vs run
χ² / ndf 50.72 / 51
p0 50.88 ± 82.8
pull
Entries 52
Mean −320.8
Std Dev 0


pull1D
Entries 52
Mean 0.006696
Std Dev 0.9876


eigen_dit_asym_sam_37_26_dd_rms vs run
χ² / ndf 2981 / 51
p0 59.24 ± 0.05855
80
75
70
65
60
55
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
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8558. 0
8558. 1
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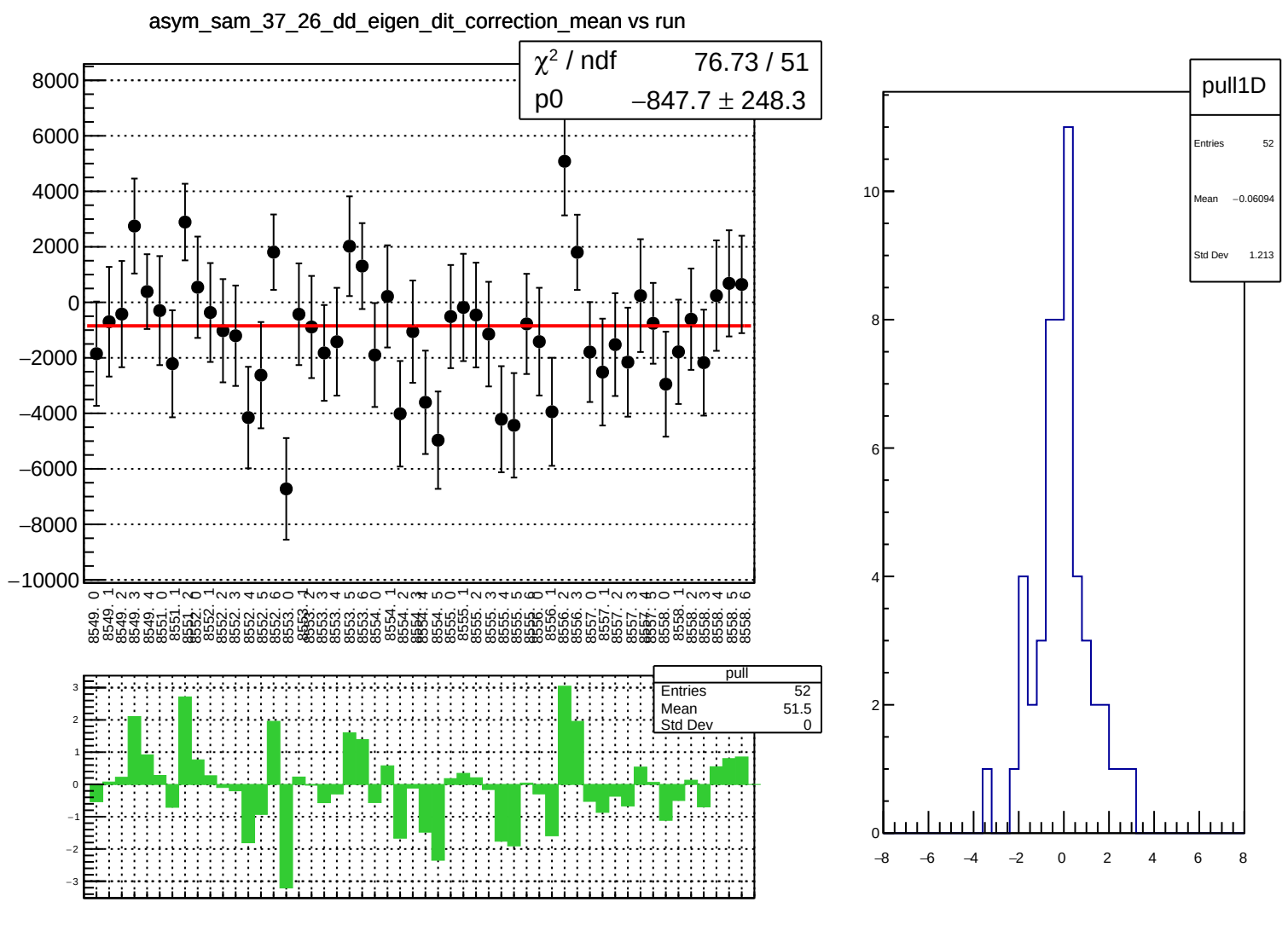
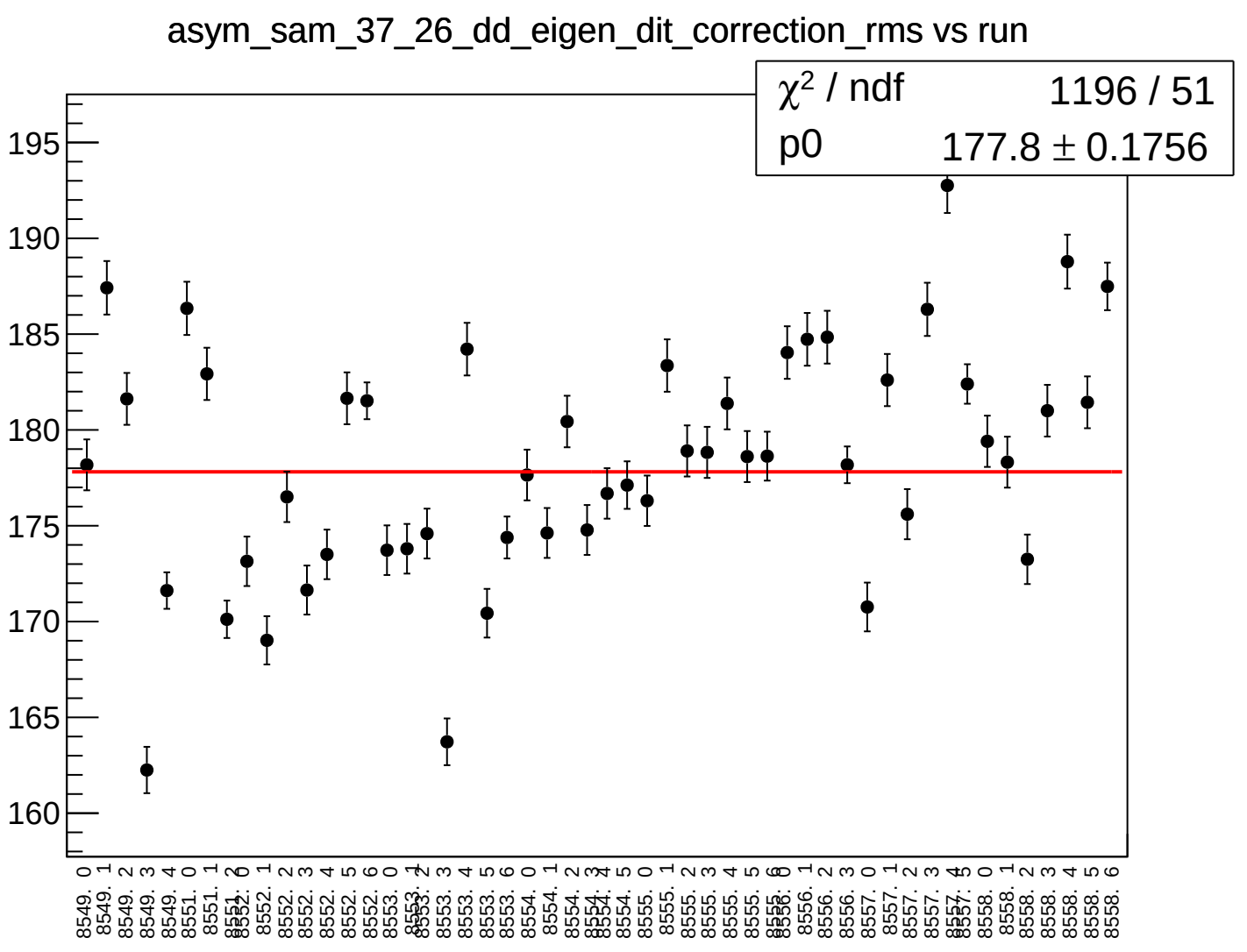
8558. 5
8558. 6


asym_sam_37_26_dd_eigen_dit_correction_mean vs run
χ² / ndf 76.73 / 51
p0 −847.7 ± 248.3
pull
Entries 52
Mean 51.5
Std Dev 0
pull1D
Entries 52
Mean −0.06094
Std Dev 1.213


asym_sam_37_26_dd_eigen_dit_correction_rms vs run
χ² / ndf 1196 / 51
p0 177.8 ± 0.1756
195
190
185
180
175
170
165
160
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8555. 0
8555. 1
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8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
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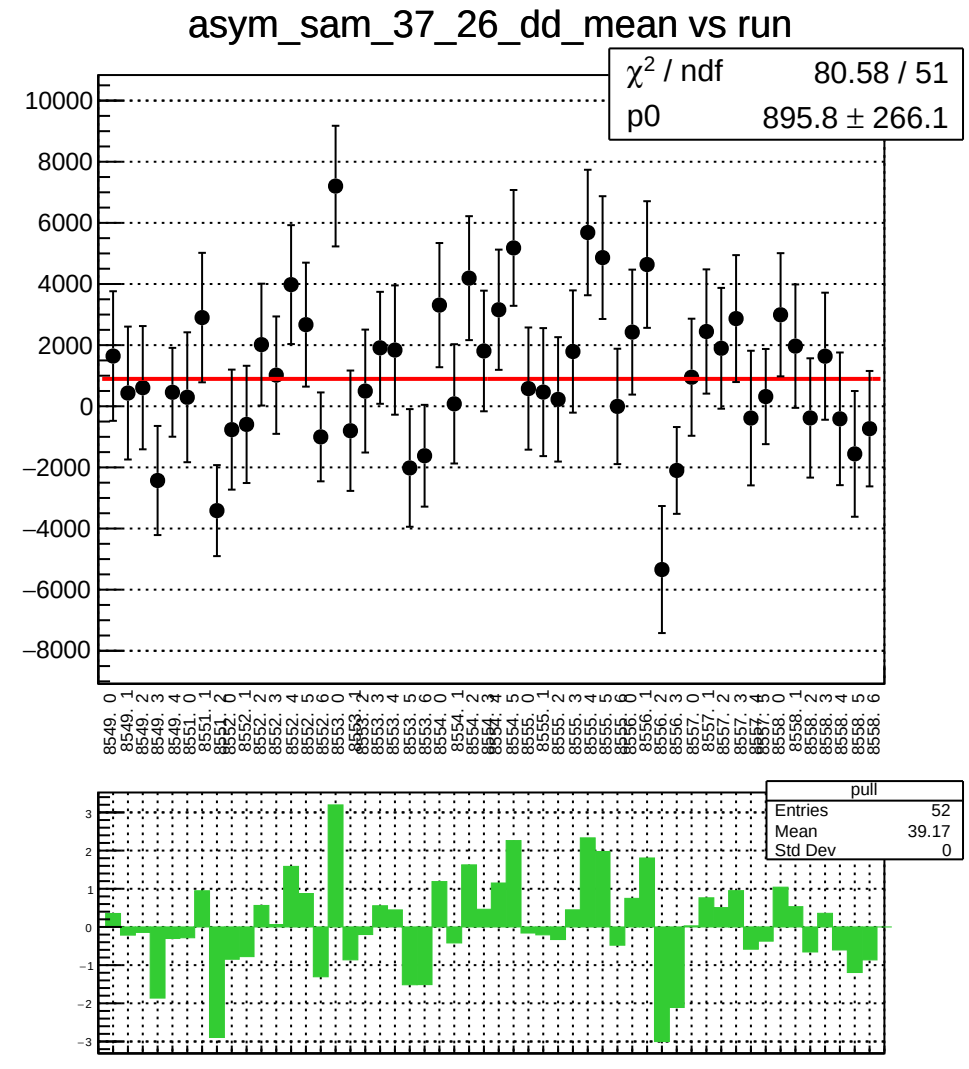
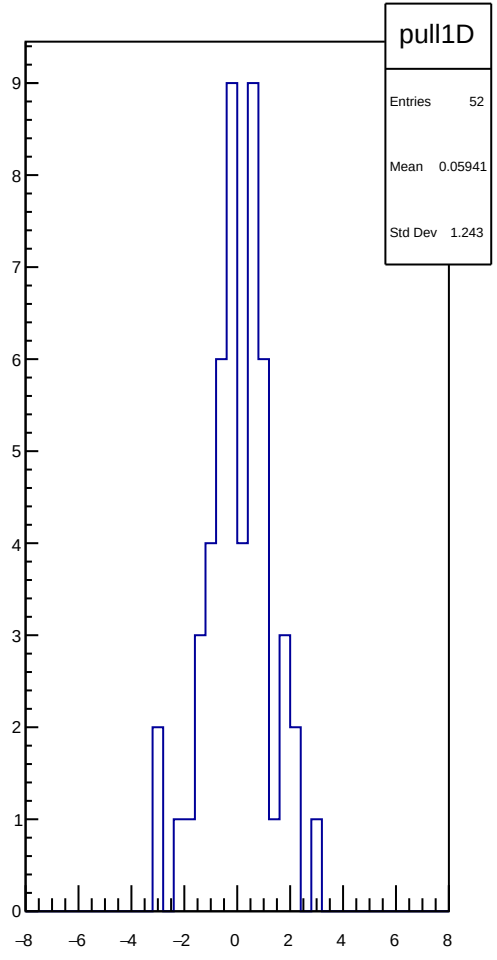
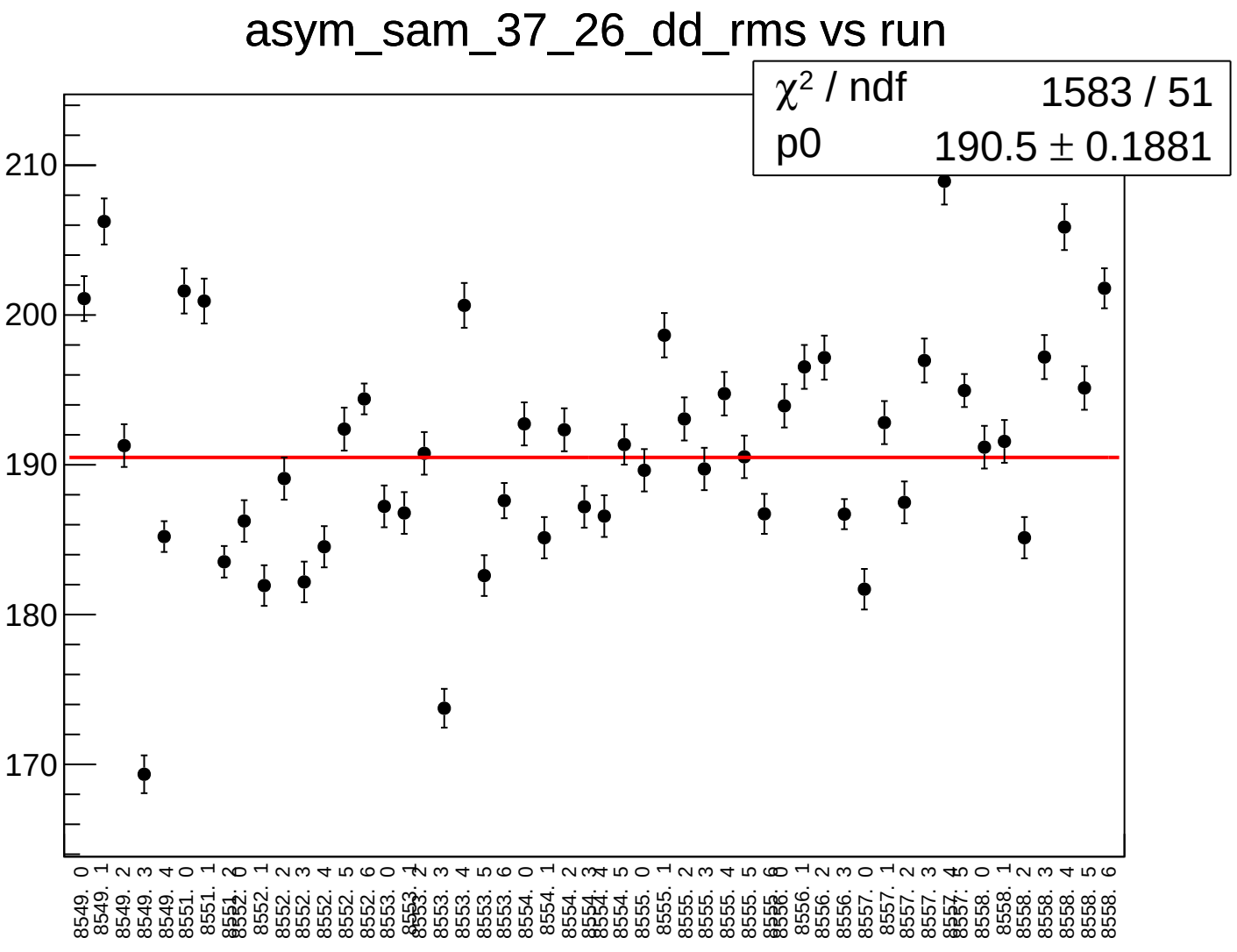
8558. 6


asym_sam_37_26_dd_mean vs run
χ^2 / ndf 80.58 / 51
p0 895.8 ± 266.1
pull
Entries 52
Mean 39.17
Std Dev 0


pull1D
Entries 52
Mean 0.05941
Std Dev 1.243


asym_sam_37_26_dd_rms vs run
χ² / ndf 1583 / 51
p0 190.5 ± 0.1881
210
200
190
180
170
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
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8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 5
8555. 0
8555. 1
8555. 2
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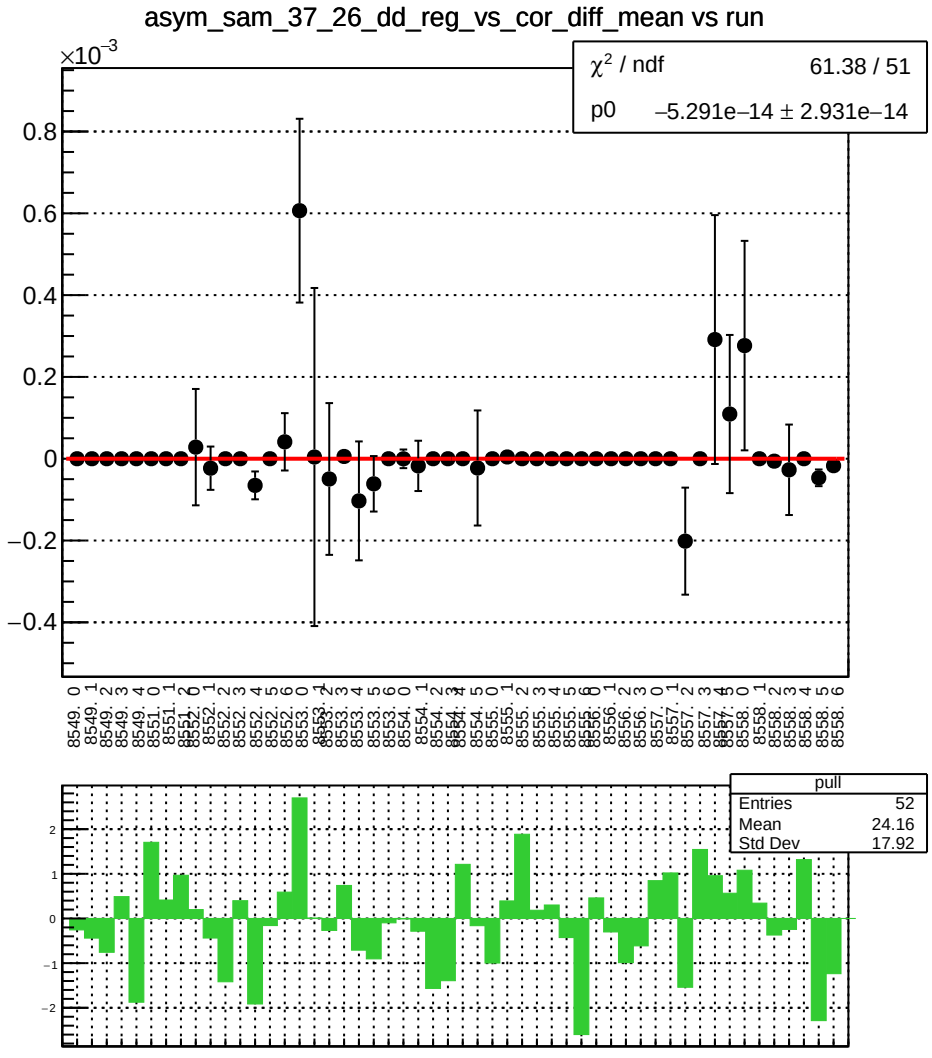
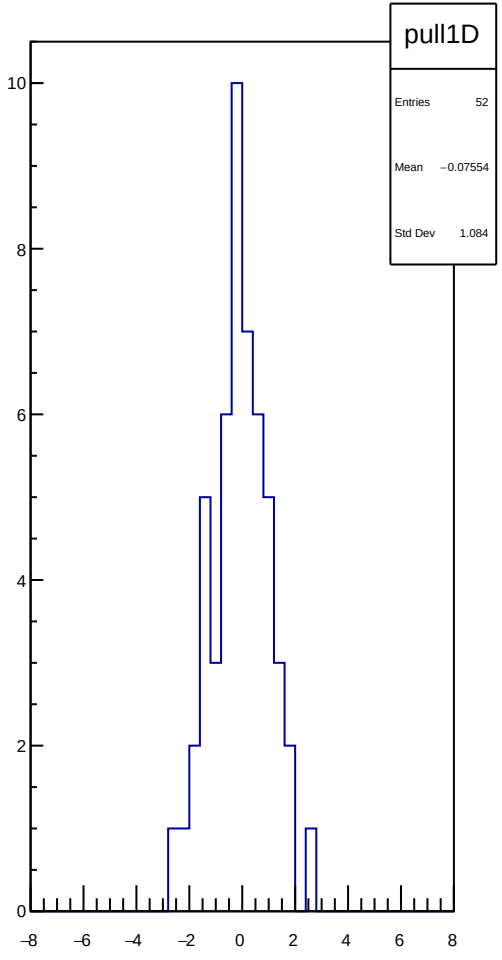
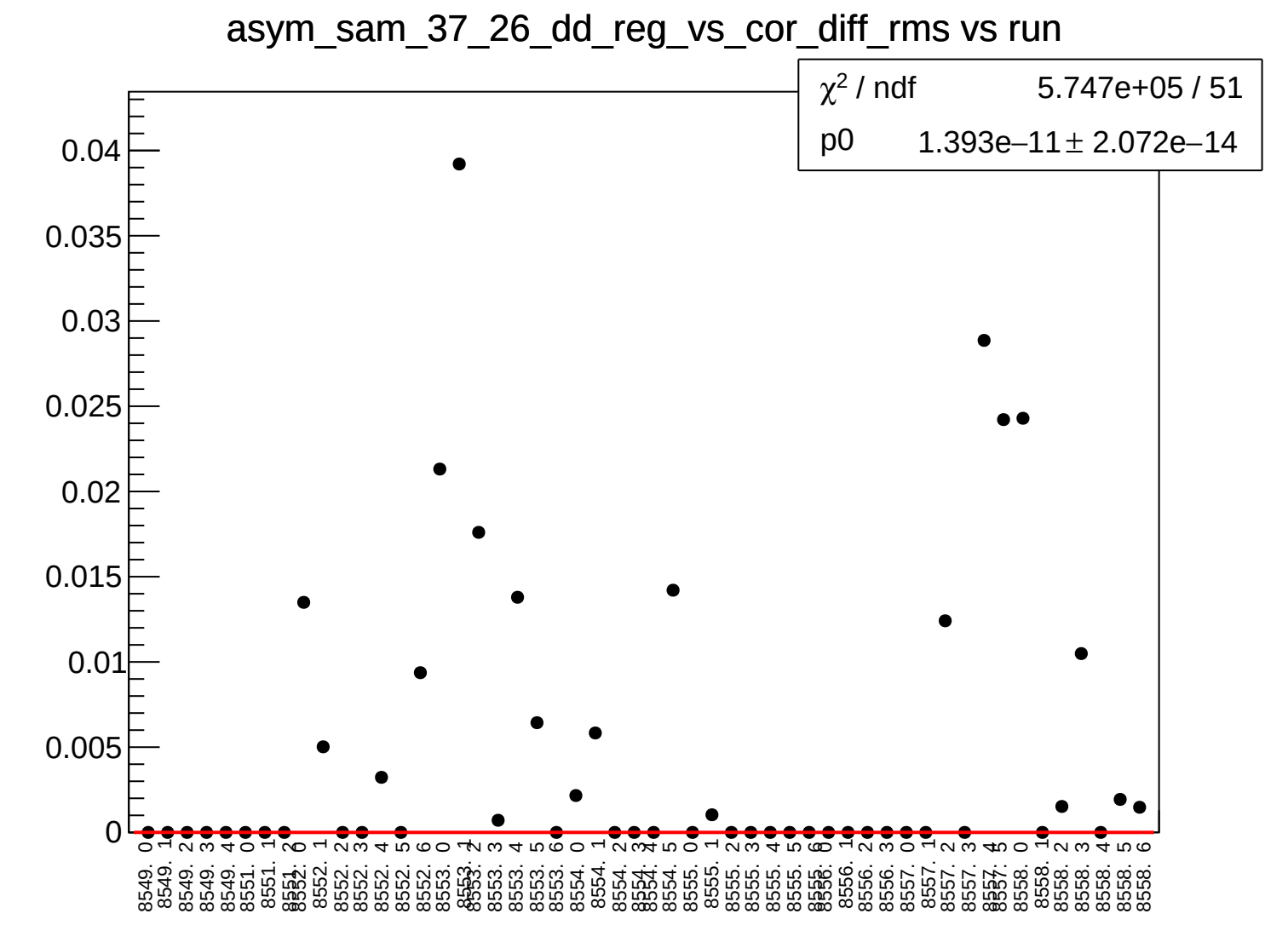
8558. 6


asym_sam_37_26_dd_reg_vs_cor_diff_mean vs run
×10⁻³
χ² / ndf 61.38 / 51
p0 −5.291e−14 ± 2.931e−14
pull
Entries 52
Mean 24.16
Std Dev 17.92


pull1D
Entries 52
Mean −0.07554
Std Dev 1.084


asym_sam_37_26_dd_reg_vs_cor_diff_rms vs run
χ² / ndf 5.747e+05 / 51
p0 1.393e−11 ± 2.072e−14
0.04
0.035
0.03
0.025
0.02
0.015
0.01
0.005
0
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8549. 5
8549. 6
8551. 0
8551. 1
8551. 2
8552. 0
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 1
8553. 2
8553. 3
8553. 4
8553. 5
8553. 6
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8554. 1
8554. 2
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8554. 5
8555. 0
8555. 1
8555. 2
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8555. 4
8555. 5
8555. 6
8556. 0
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
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8557. 4
8557. 5
8558. 0
8558. 1
8558. 2
8558. 3
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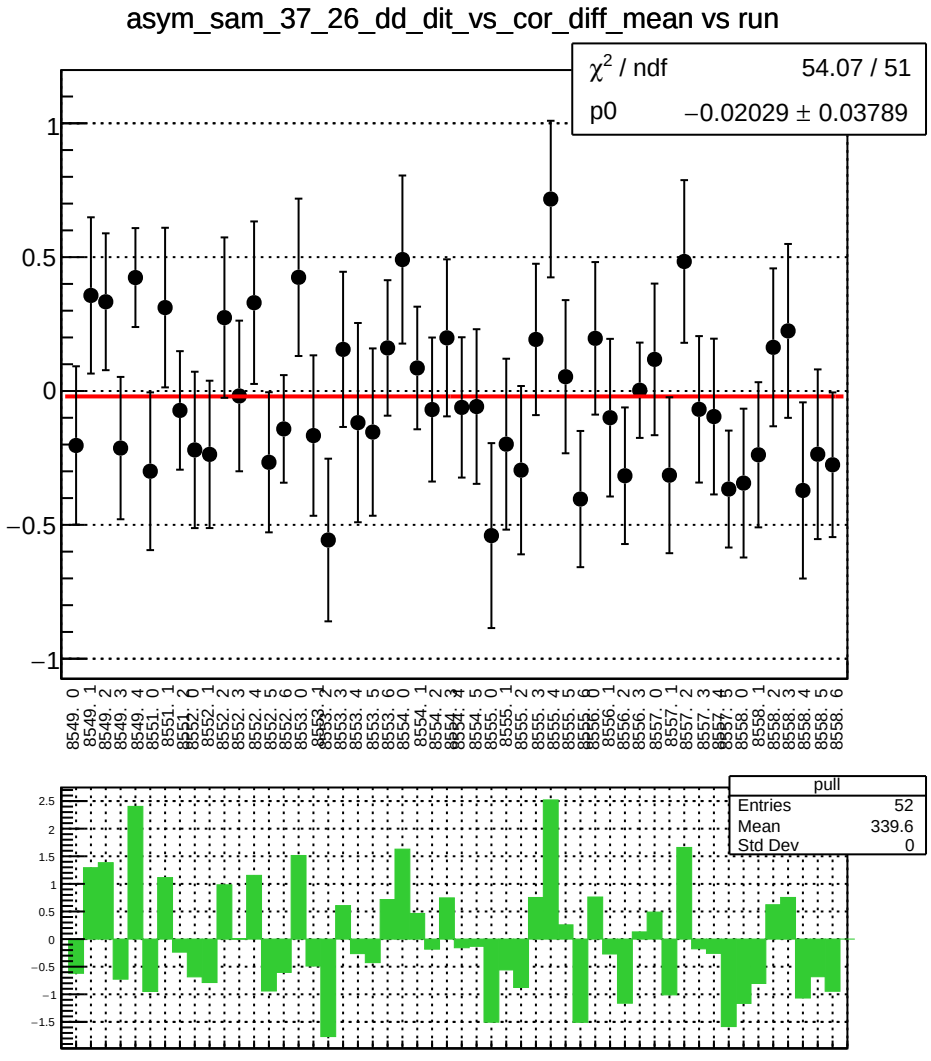
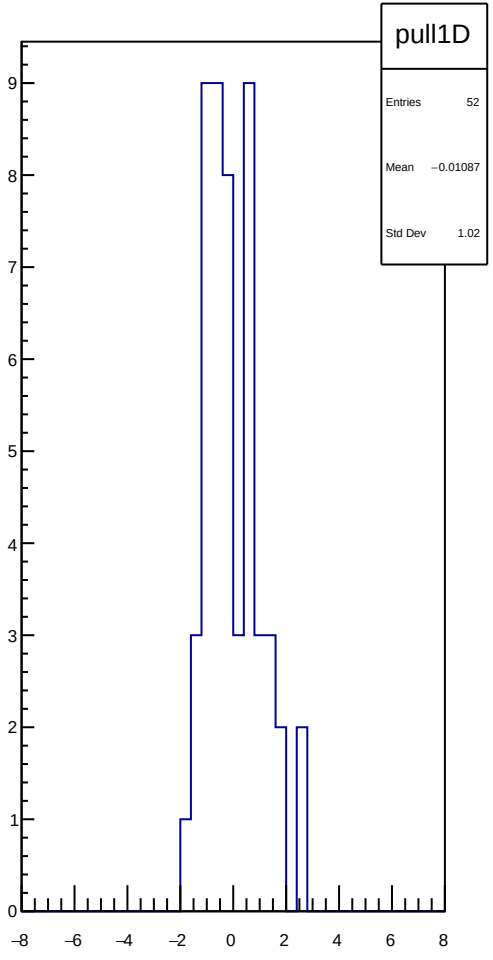
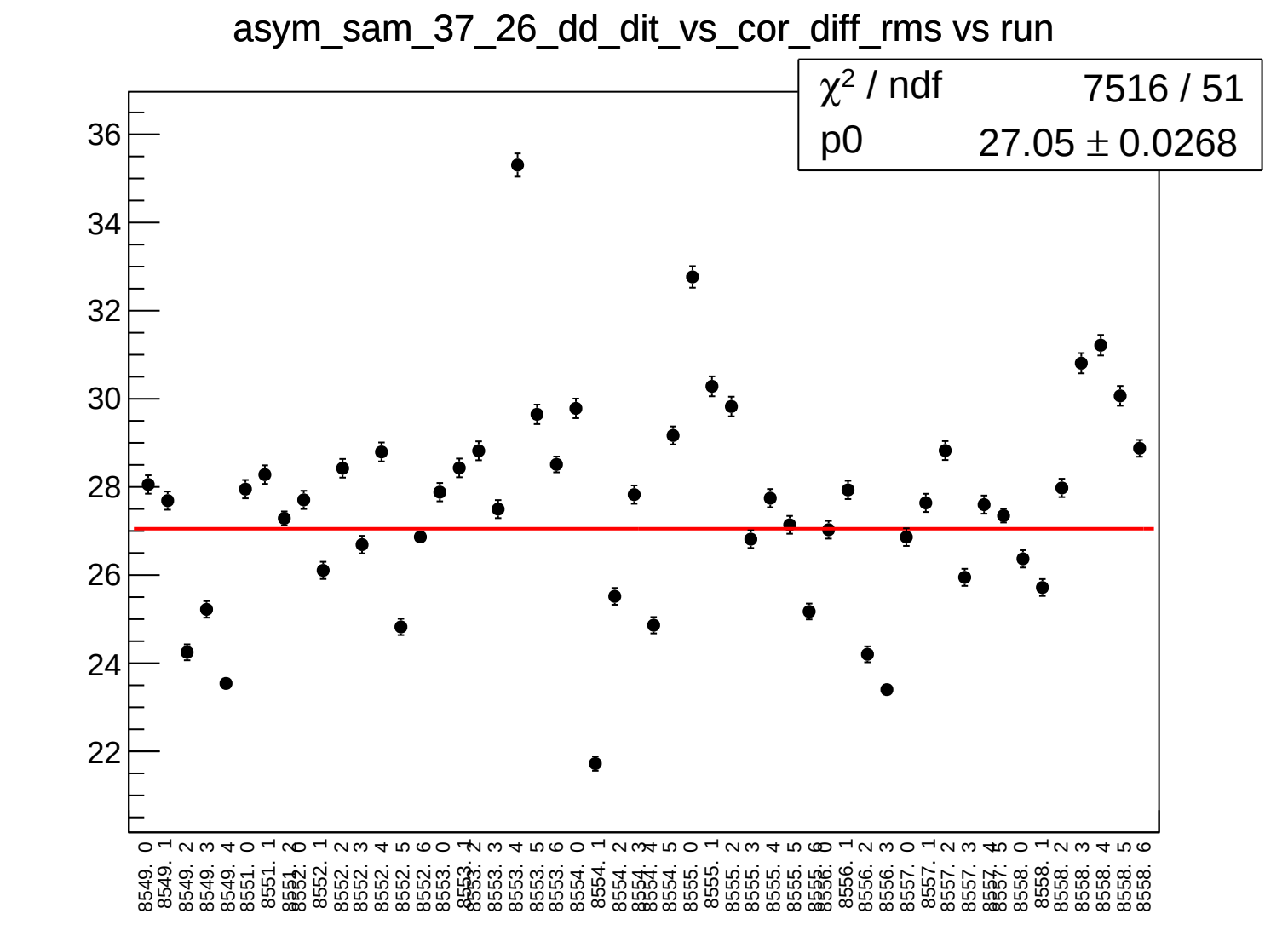
8558. 6


asym_sam_37_26_dd_dit_vs_cor_diff_mean vs run
χ² / ndf 54.07 / 51
p0 −0.02029 ± 0.03789
pull
Entries 52
Mean 339.6
Std Dev 0


pull1D
Entries 52
Mean −0.01087
Std Dev 1.02


asym_sam_37_26_dd_dit_vs_cor_diff_rms vs run
χ² / ndf 7516 / 51
p0 27.05 ± 0.0268
36
34
32
30
28
26
24
22
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
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8556. 2
8556. 3
8557. 0
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8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
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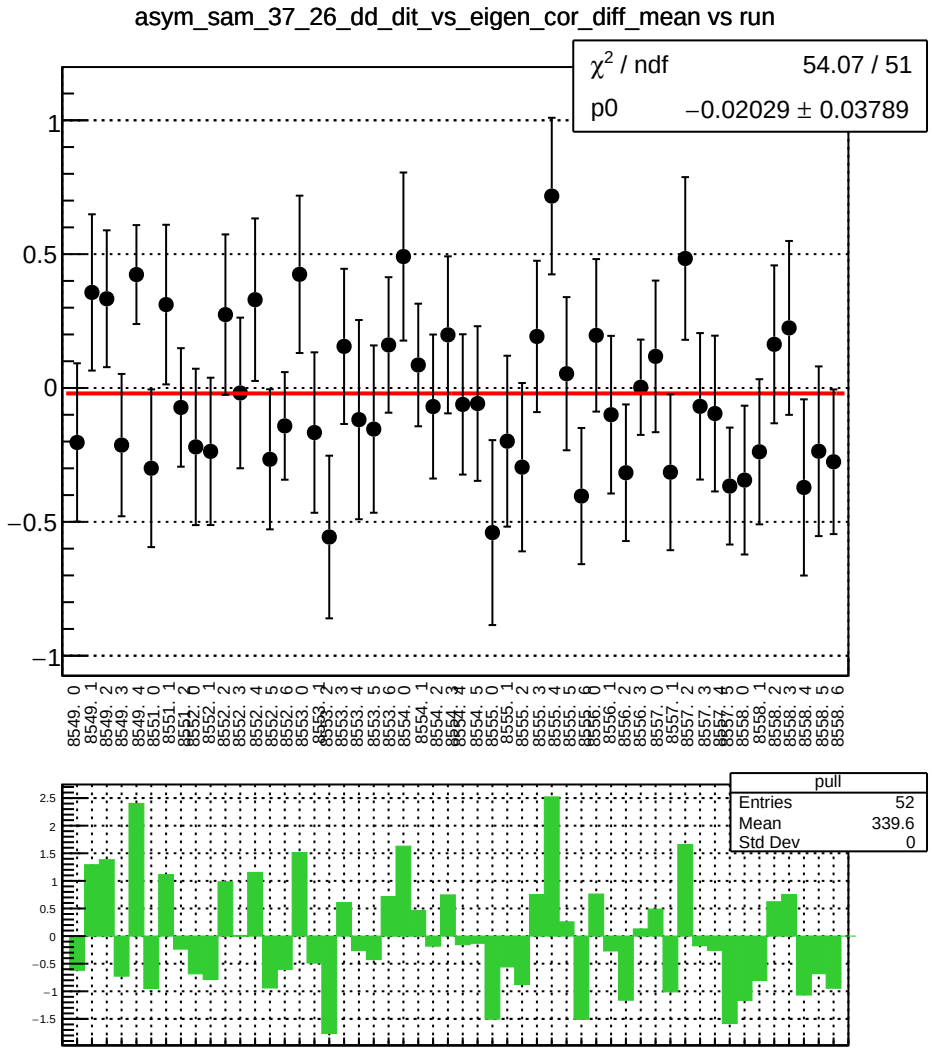
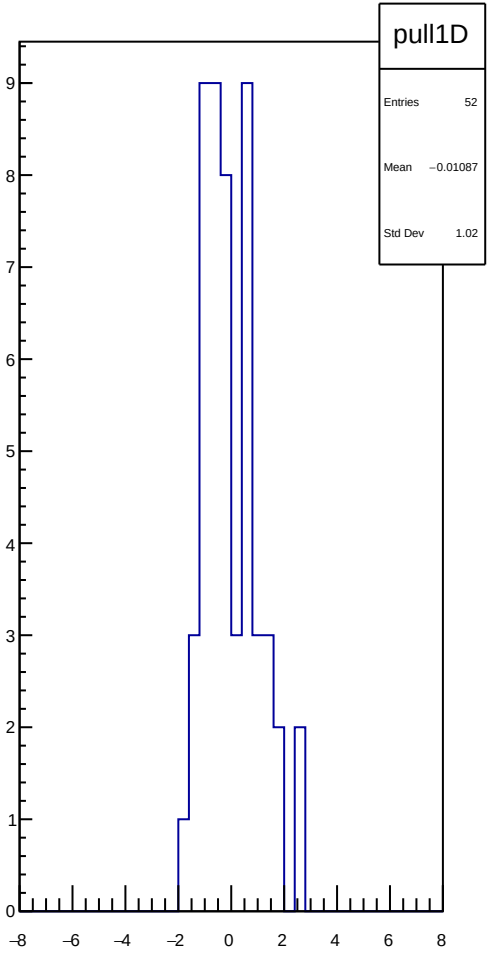
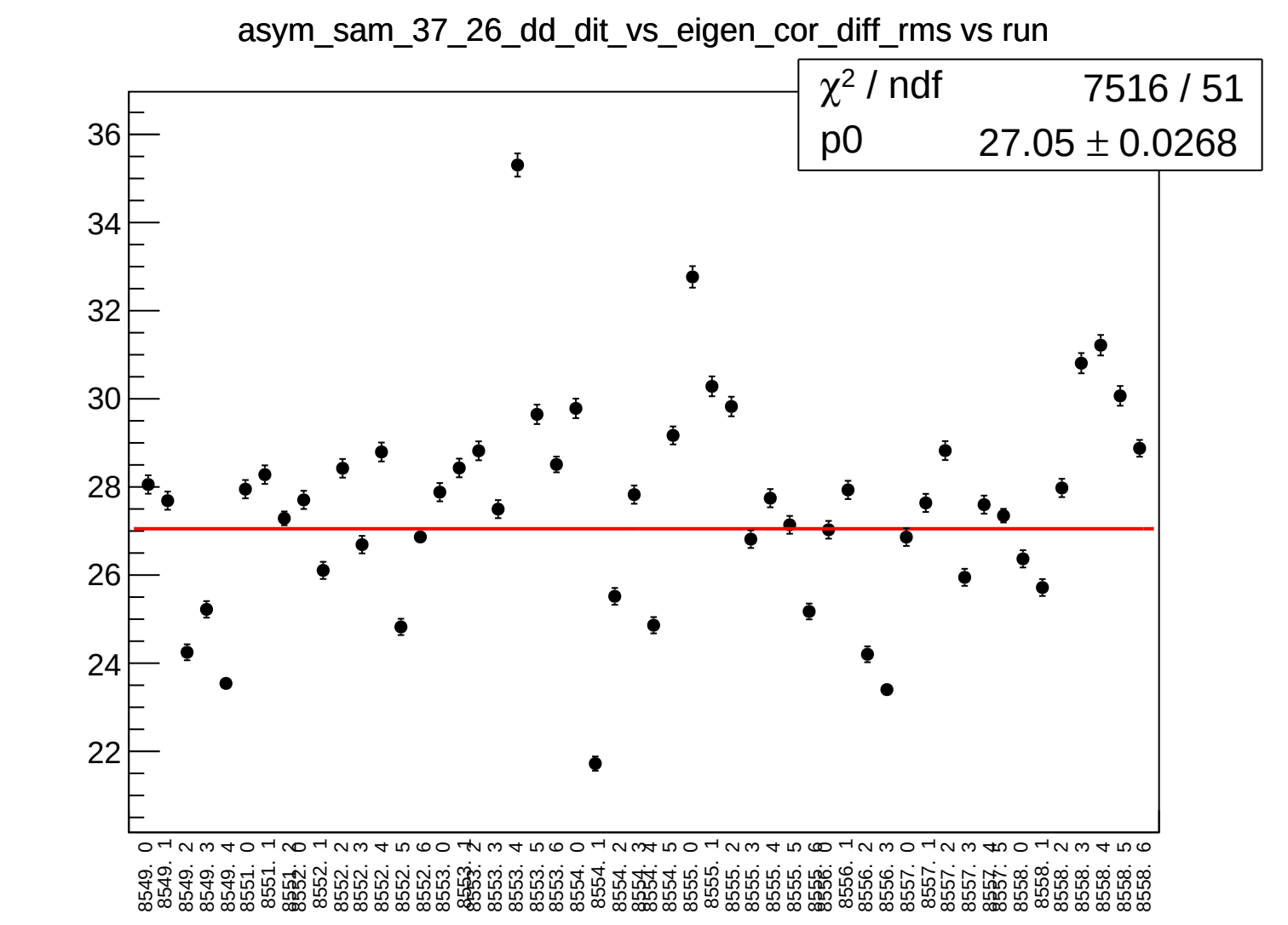
8558. 5
8558. 6


asym_sam_37_26_dd_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 54.07 / 51
p0 −0.02029 ± 0.03789
pull
Entries 52
Mean 339.6
Std Dev 0


pull1D
Entries 52
Mean −0.01087
Std Dev 1.02


asym_sam_37_26_dd_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 7516 / 51
p0 27.05 ± 0.0268
36
34
32
30
28
26
24
22
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
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8556. 2
8556. 3
8557. 0
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8557. 3
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8558. 3
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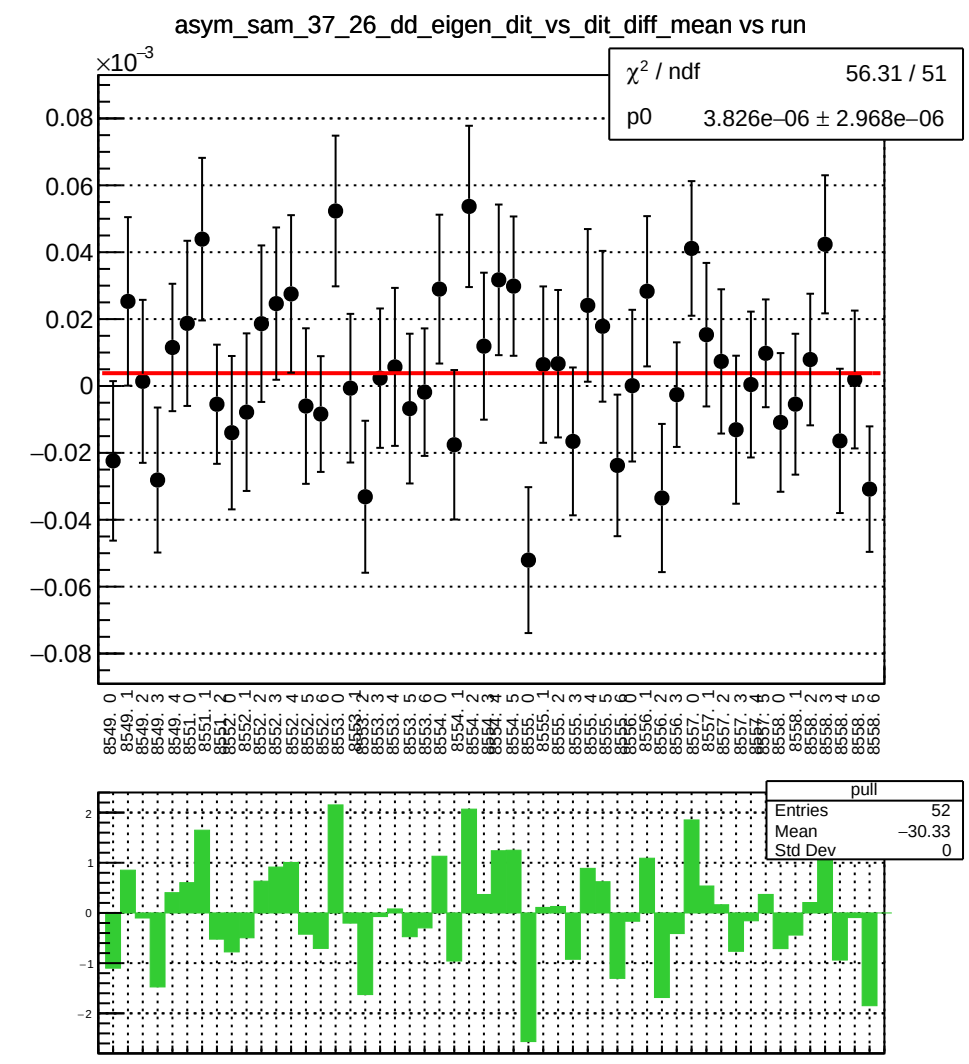
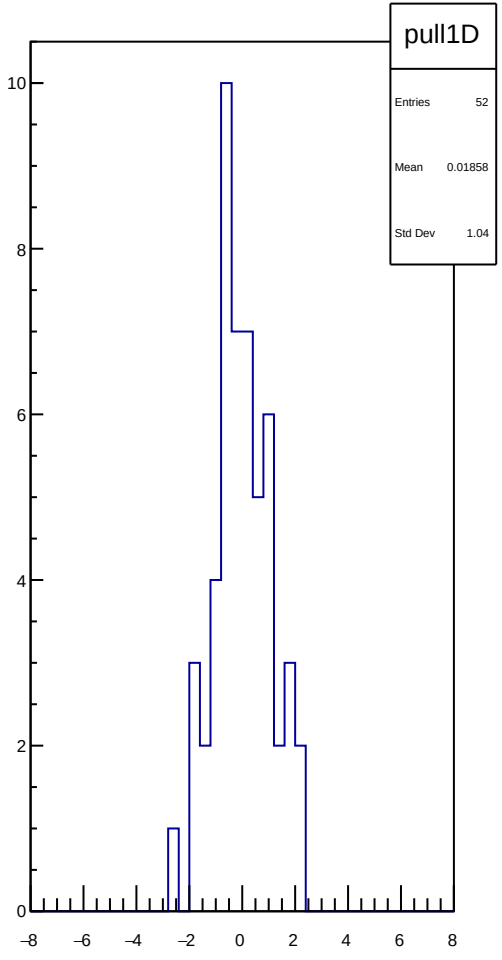
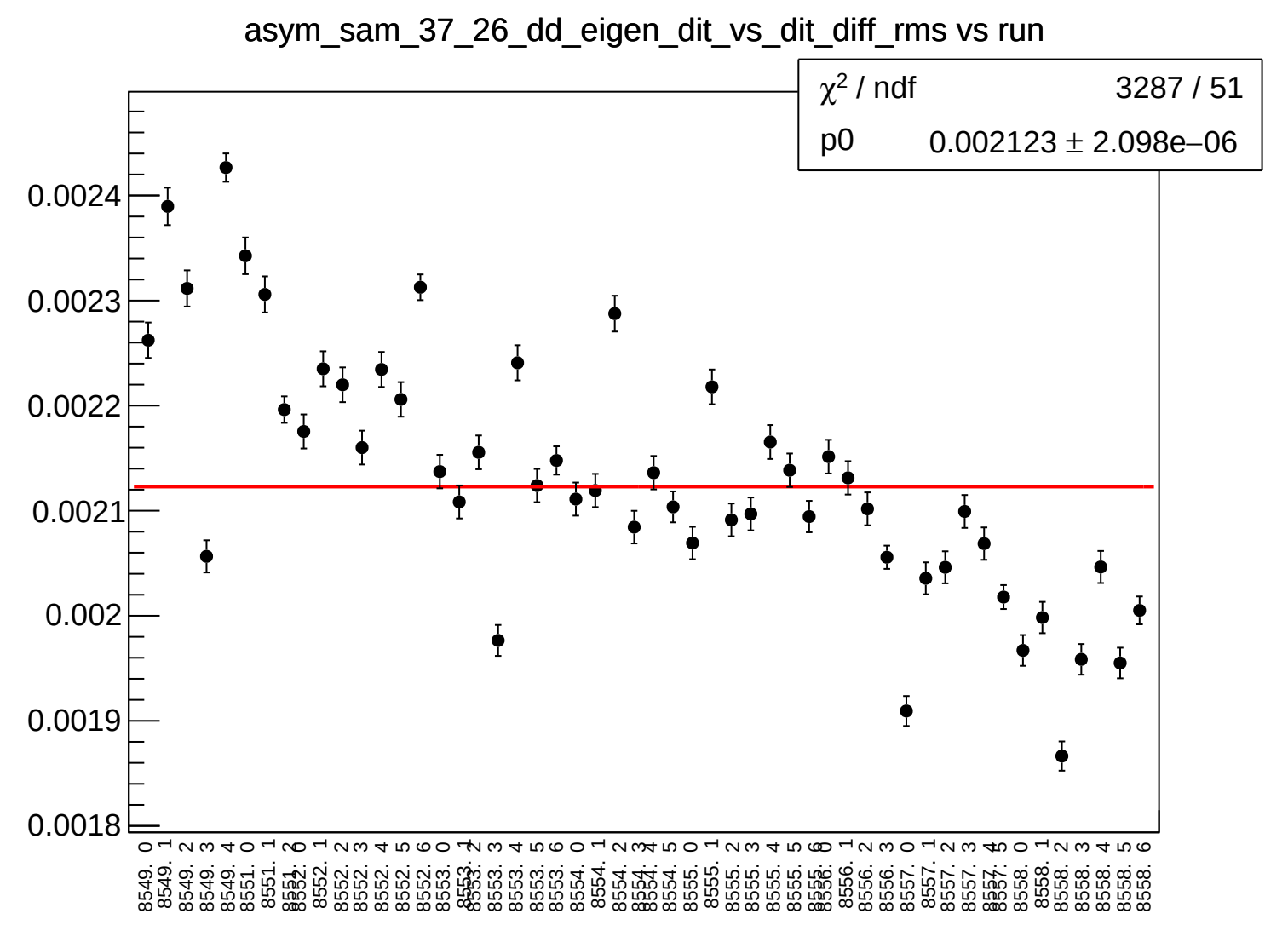
8558. 6


asym_sam_37_26_dd_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 56.31 / 51
p0 3.826e−06 ± 2.968e−06
pull
Entries 52
Mean −30.33
Std Dev 0


pull1D
Entries 52
Mean 0.01858
Std Dev 1.04


asym_sam_37_26_dd_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 3287 / 51
p0 0.002123 ± 2.098e−06
0.0024
0.0023
0.0022
0.0021
0.002
0.0019
0.0018
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
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8553. 4
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8553. 6
8554. 0
8554. 1
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8558. 5
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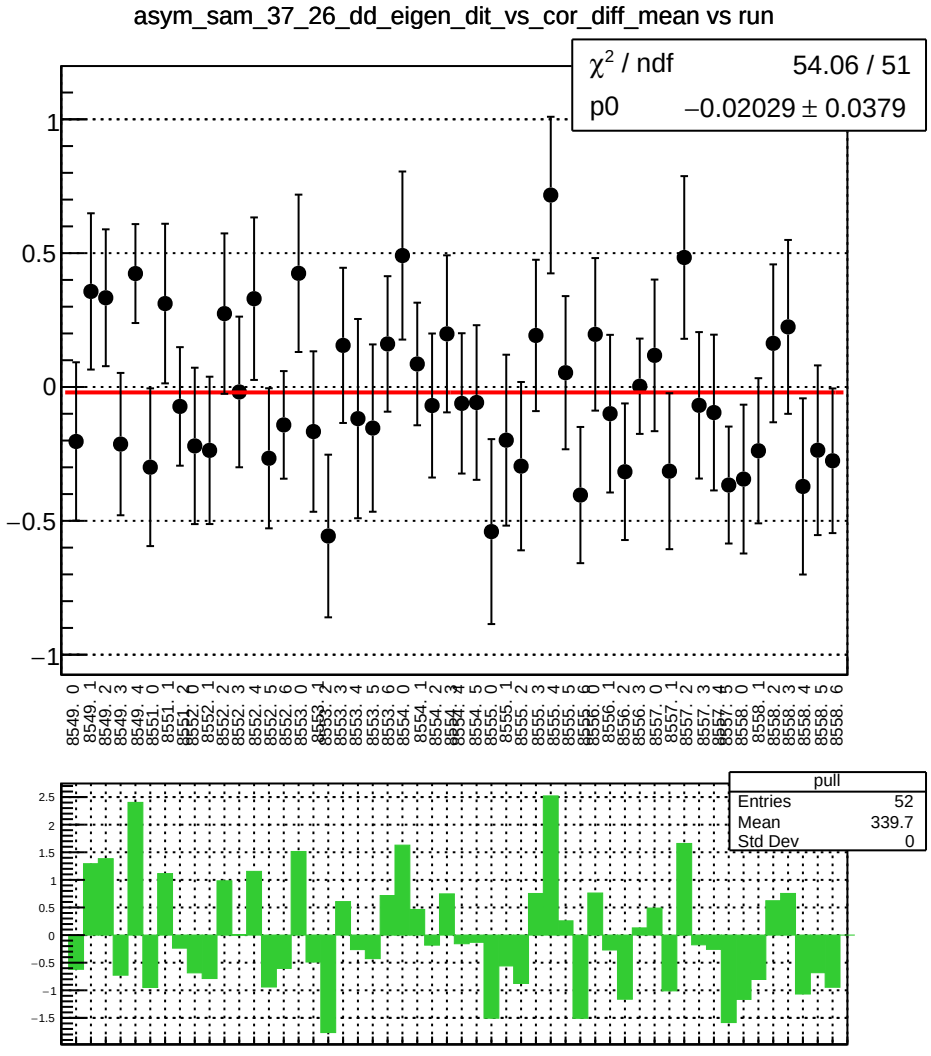
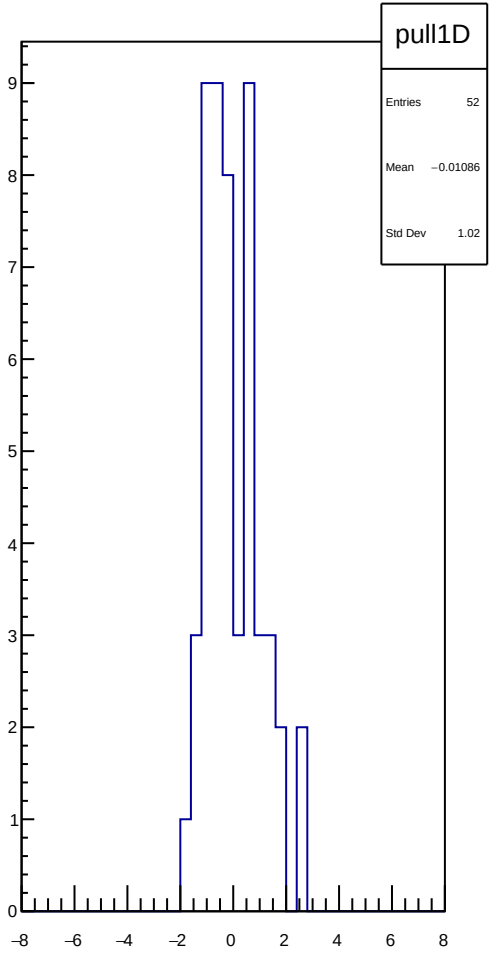
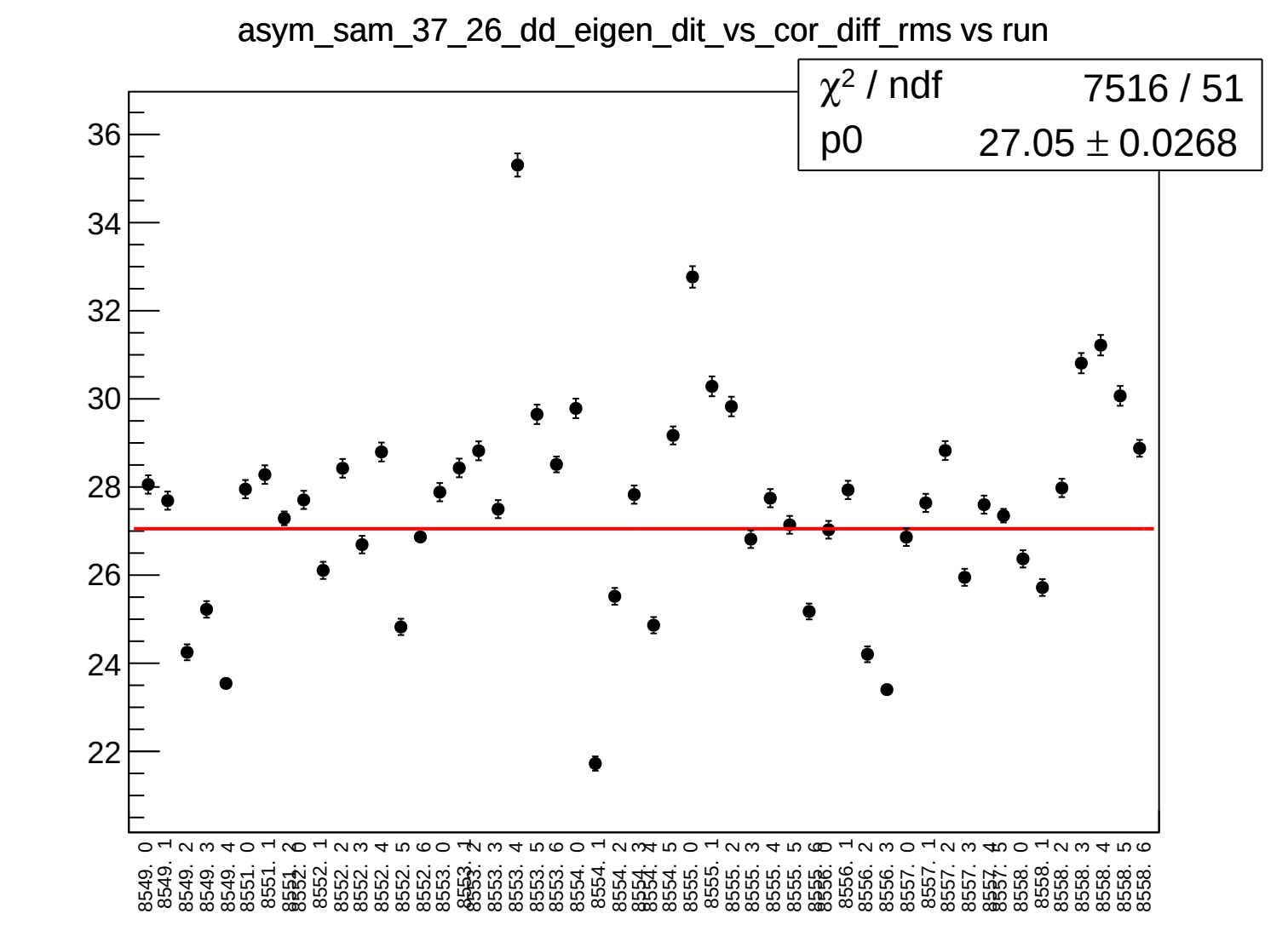

asym_sam_37_26_dd_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 54.06 / 51
p0 −0.02029 ± 0.0379
pull
Entries 52
Mean 339.7
Std Dev 0


pull1D
Entries 52
Mean −0.01086
Std Dev 1.02


asym_sam_37_26_dd_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 7516 / 51
p0 27.05 ± 0.0268
36
34
32
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22
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
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8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
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8557. 0
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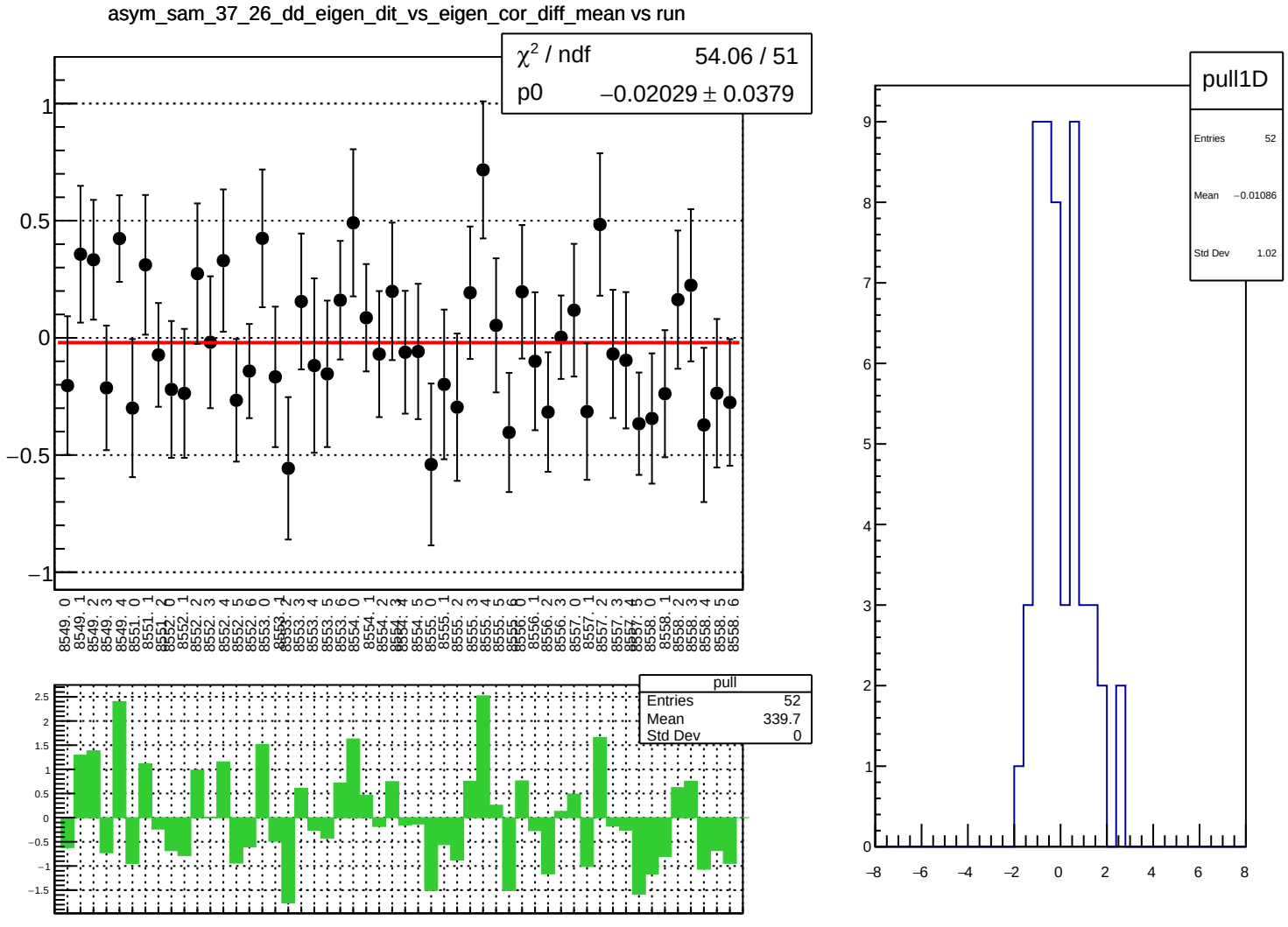
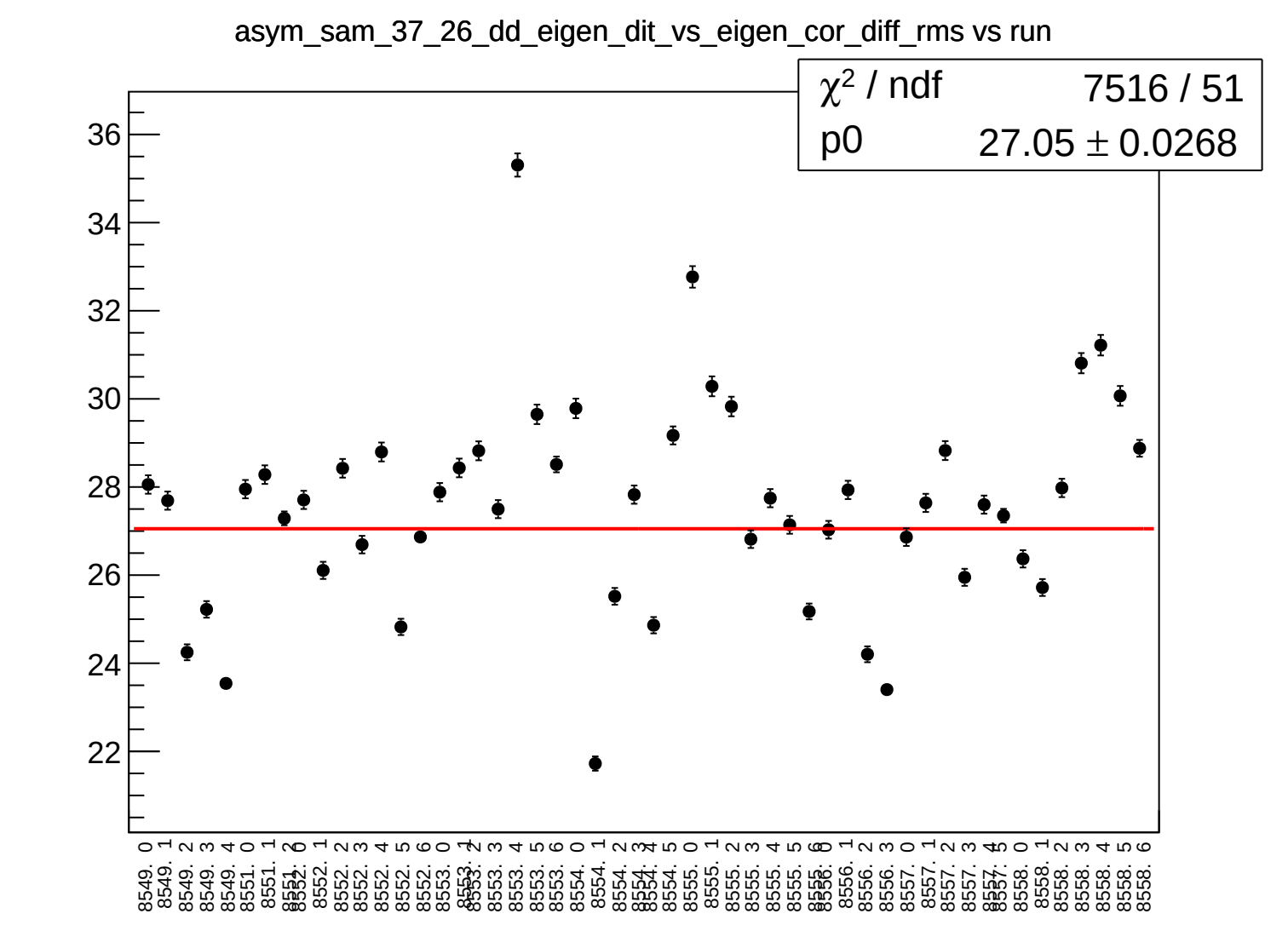

asym_sam_37_26_dd_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 54.06 / 51
p0 −0.02029 ± 0.0379
pull
Entries 52
Mean 339.7
Std Dev 0
pull1D
Entries 52
Mean −0.01086
Std Dev 1.02


asym_sam_37_26_dd_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 7516 / 51
p0 27.05 ± 0.0268
36
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8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
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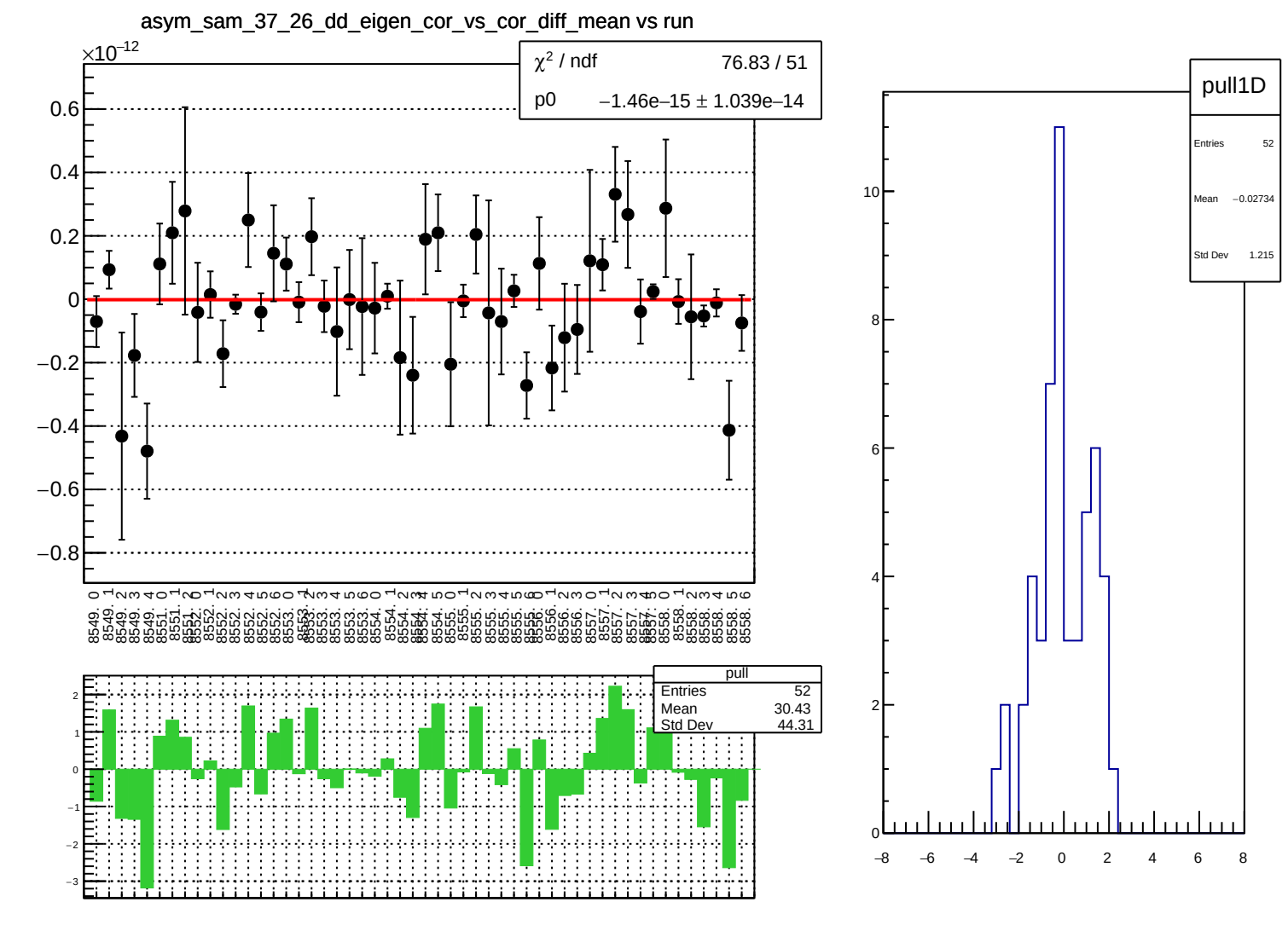
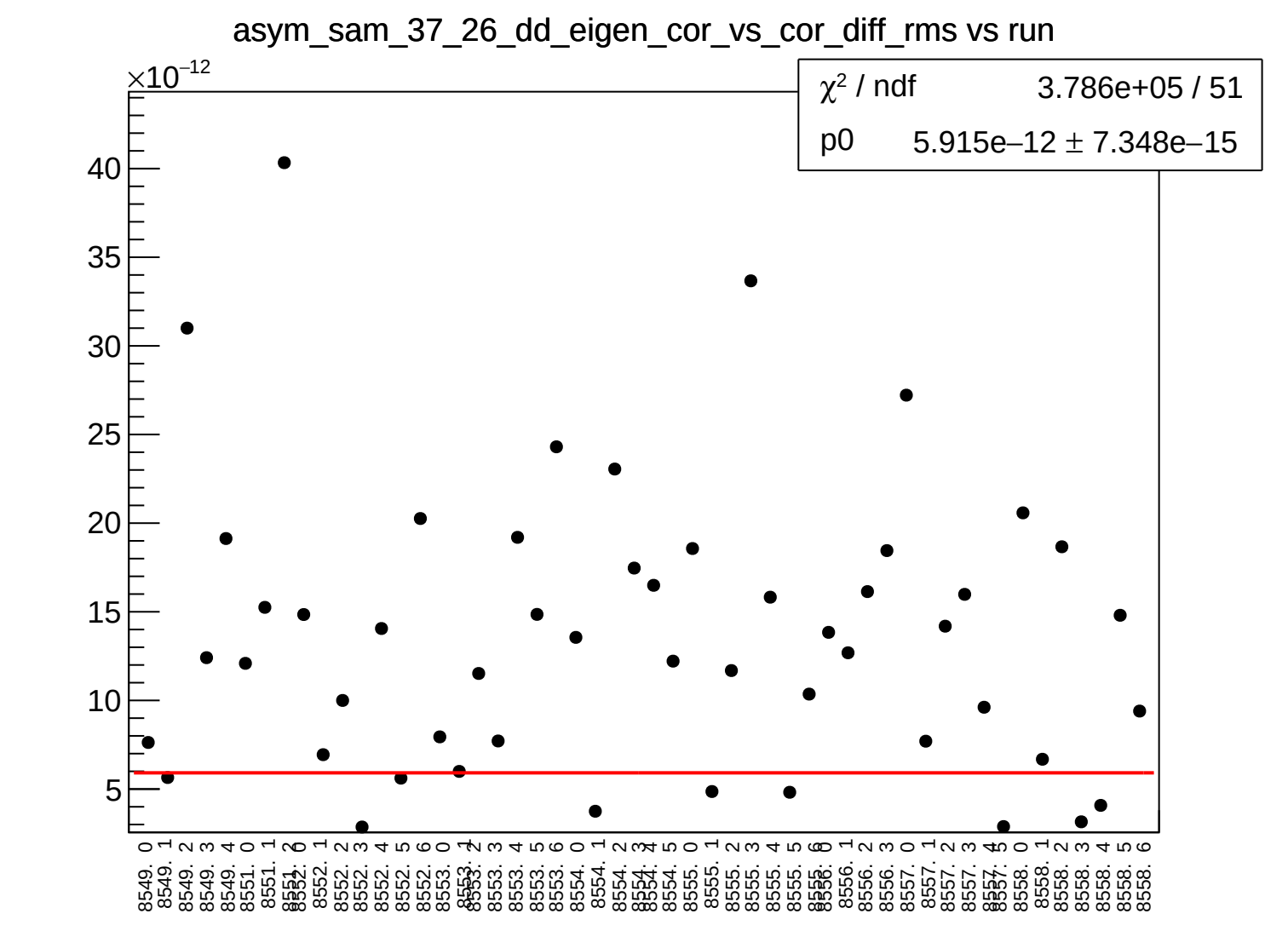
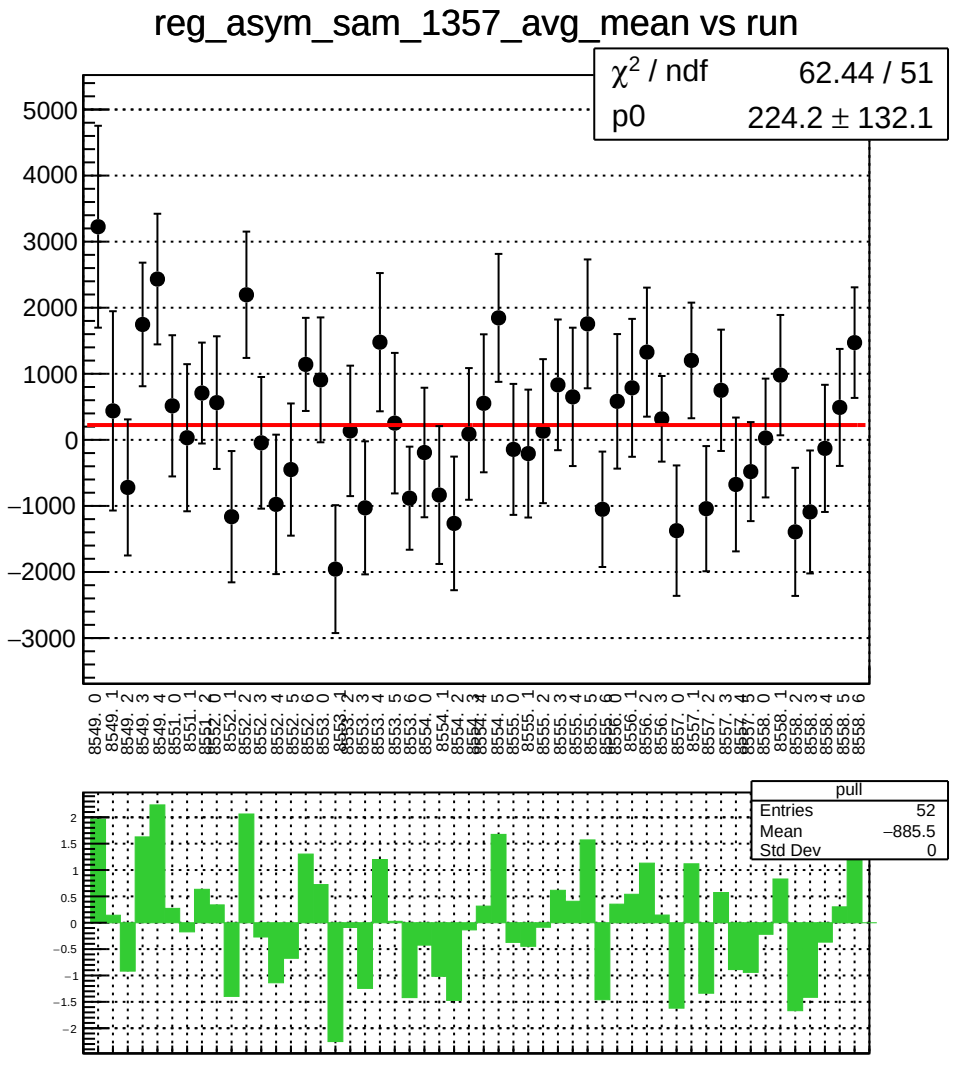
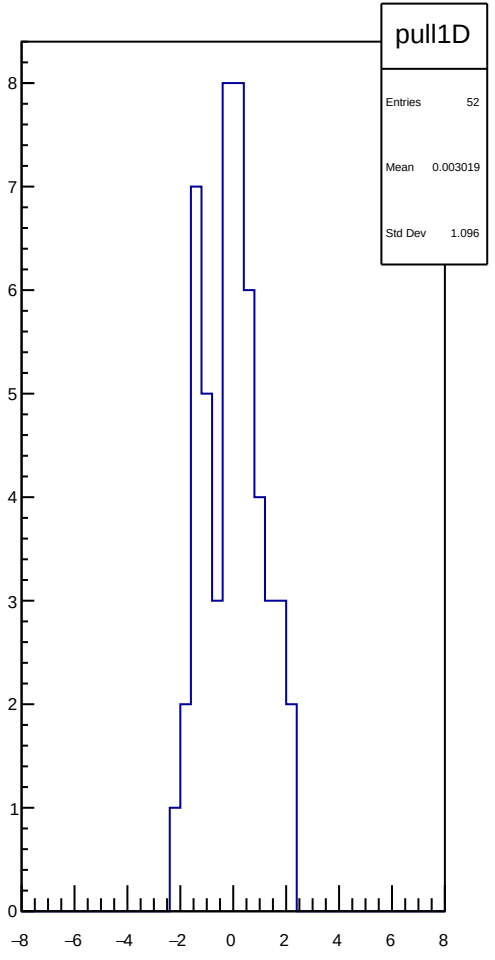
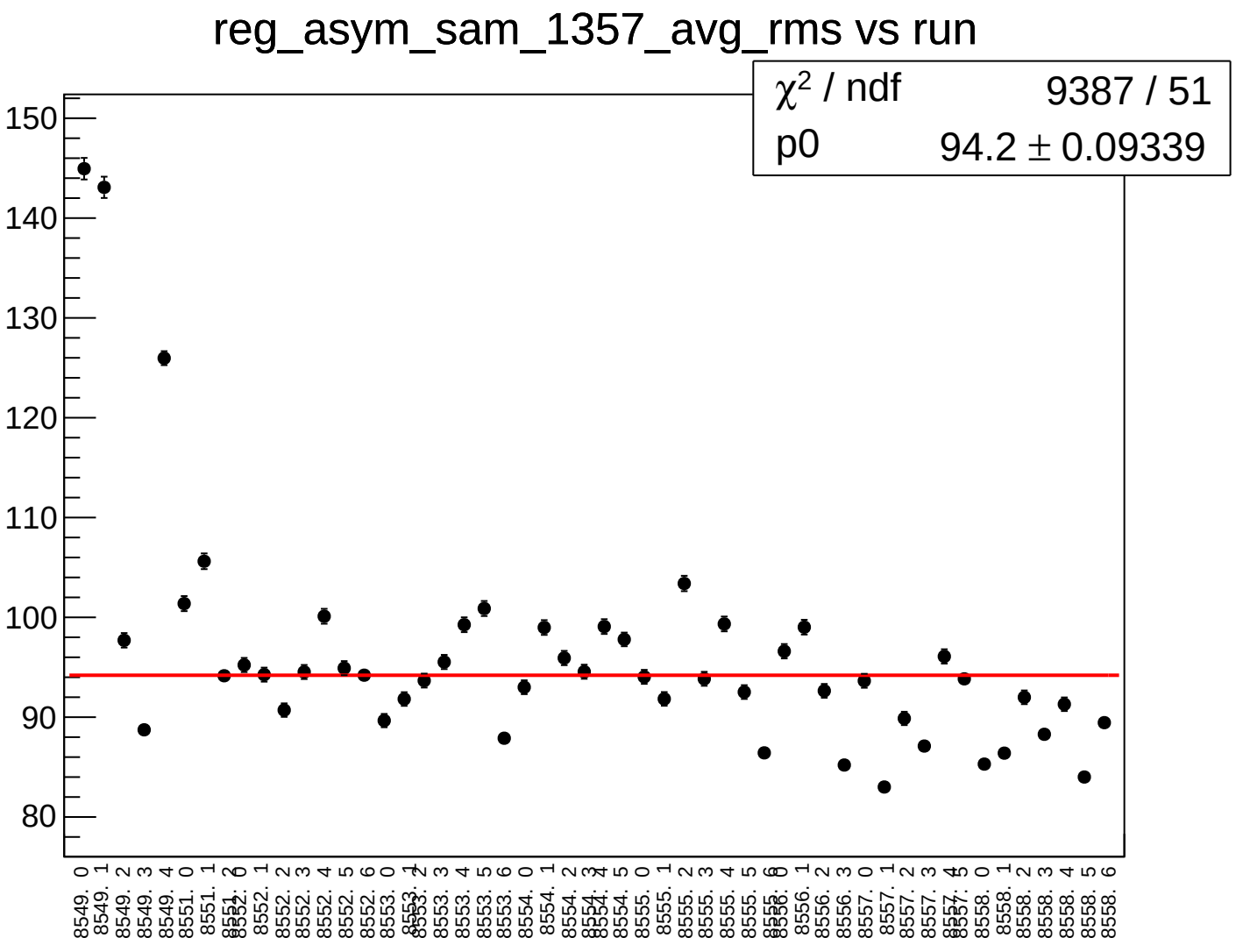
8558. 6


asym_sam_37_26_dd_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 76.83 / 51
p0 −1.46e−15 ± 1.039e−14
pull
Entries 52
Mean 30.43
Std Dev 44.31
pull1D
Entries 52
Mean −0.02734
Std Dev 1.215


asym_sam_37_26_dd_eigen_cor_vs_cor_diff_rms vs run
×10⁻¹²
χ² / ndf 3.786e+05 / 51
p0 5.915e−12 ± 7.348e−15
40
35
30
25
20
15
10
5
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6


reg_asym_sam_1357_avg_mean vs run
χ² / ndf 62.44 / 51
p0 224.2 ± 132.1
pull
Entries 52
Mean −885.5
Std Dev 0


pull1D
Entries 52
Mean 0.003019
Std Dev 1.096


reg_asym_sam_1357_avg_rms vs run
χ² / ndf 9387 / 51
p0 94.2 ± 0.09339
150
140
130
120
110
100
90
80
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 5
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
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8558. 0
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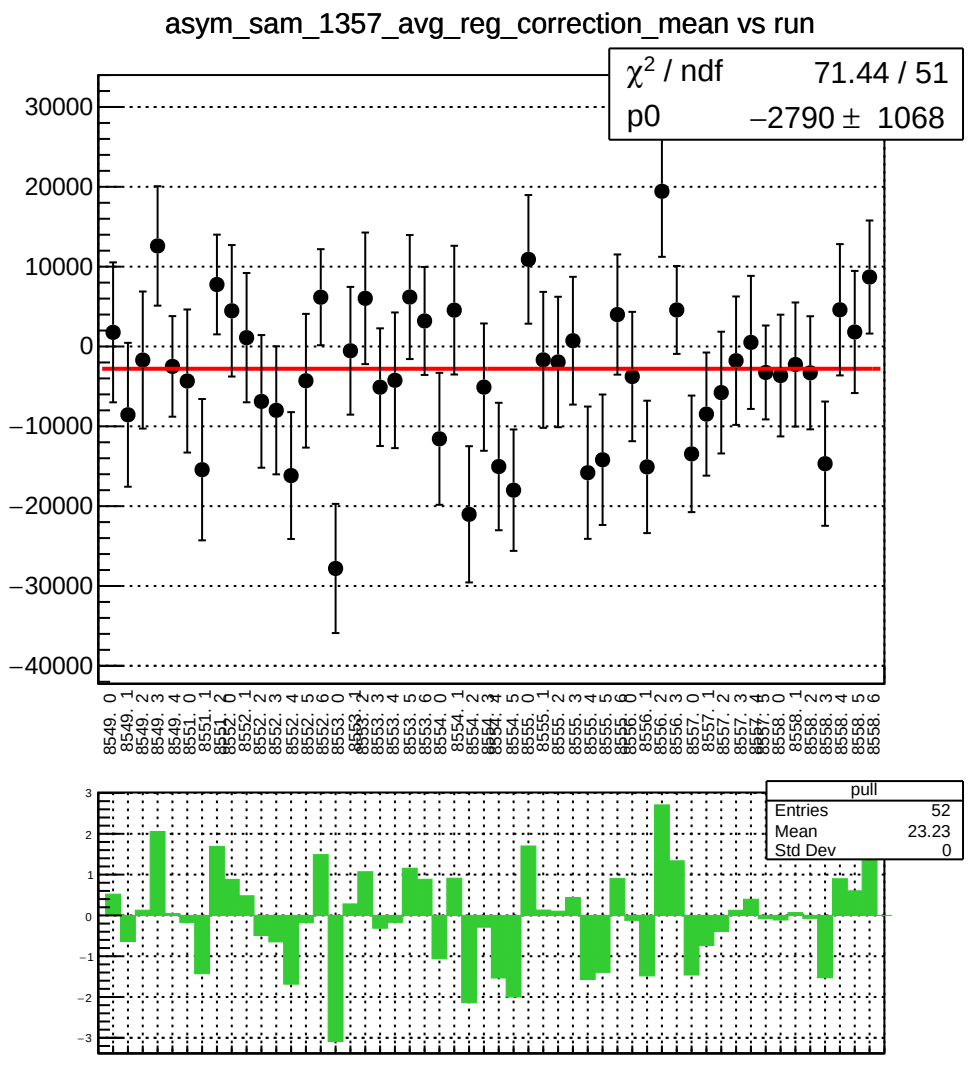
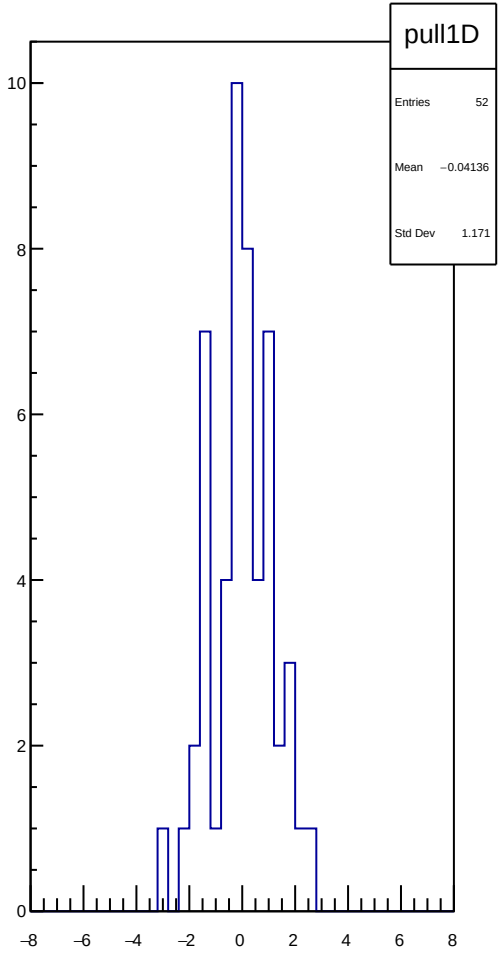
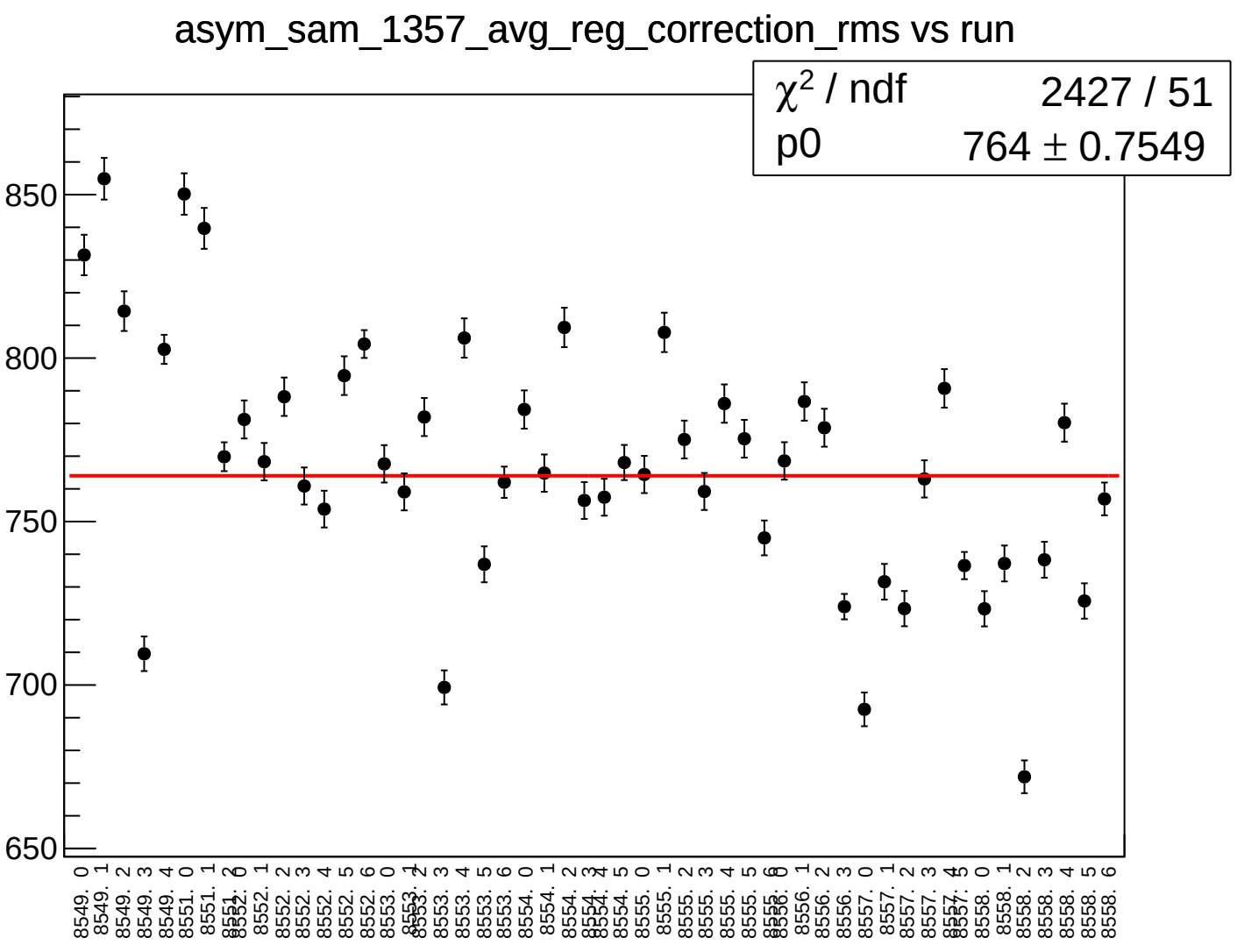
8558. 5
8558. 6


asym_sam_1357_avg_reg_correction_mean vs run
χ² / ndf 71.44 / 51
p0 −2790 ± 1068
30000
20000
10000
0
−10000
−20000
−30000
−40000
pull
Entries 52
Mean 23.23
Std Dev 0
3
2
1
0
−1
−2
−3


pull1D
Entries 52
Mean −0.04136
Std Dev 1.171
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


asym_sam_1357_avg_reg_correction_rms vs run
χ² / ndf 2427 / 51
p0 764 ± 0.7549
850
800
750
700
650
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
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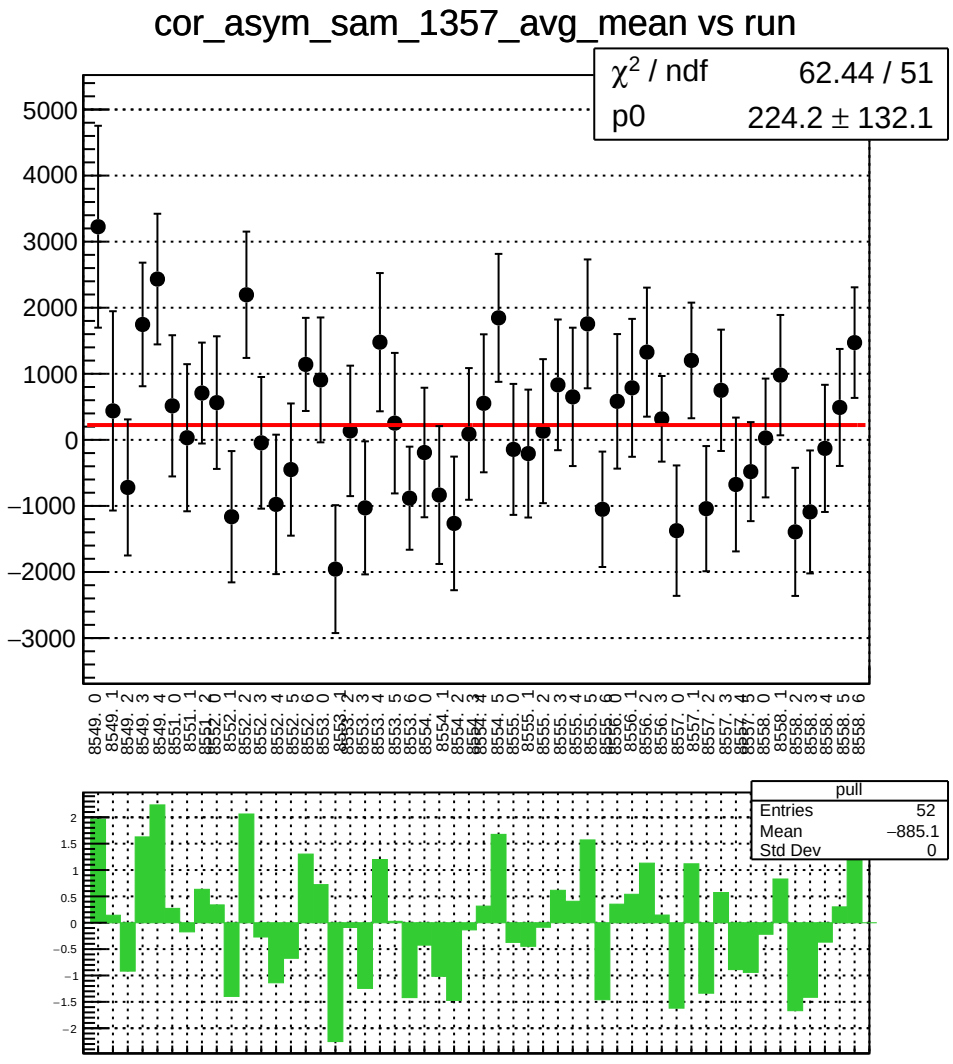
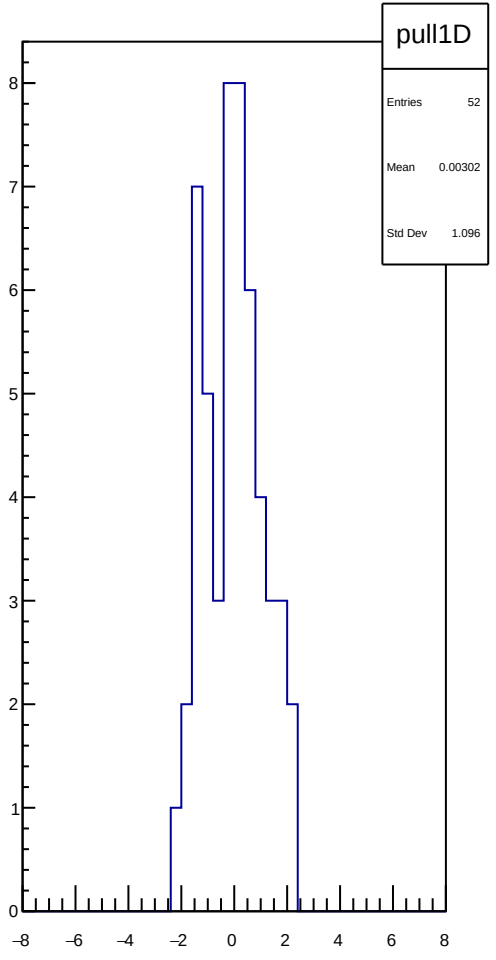
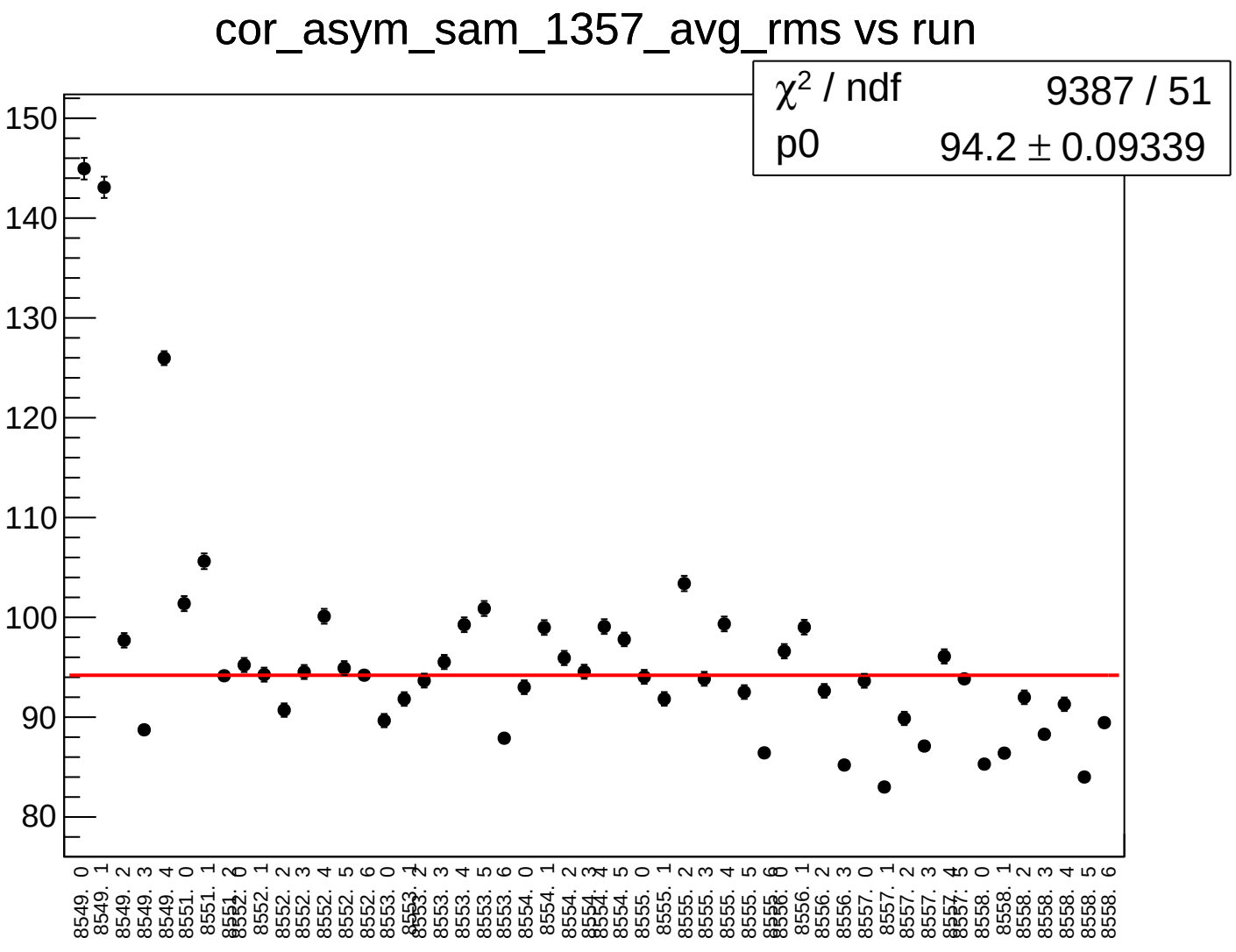
8558. 5
8558. 6


cor_asym_sam_1357_avg_mean vs run
χ² / ndf 62.44 / 51
p0 224.2 ± 132.1
pull
Entries 52
Mean −885.1
Std Dev 0


pull1D
Entries 52
Mean 0.00302
Std Dev 1.096


cor_asym_sam_1357_avg_rms vs run
χ² / ndf 9387 / 51
p0 94.2 ± 0.09339
150
140
130
120
110
100
90
80
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 5
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
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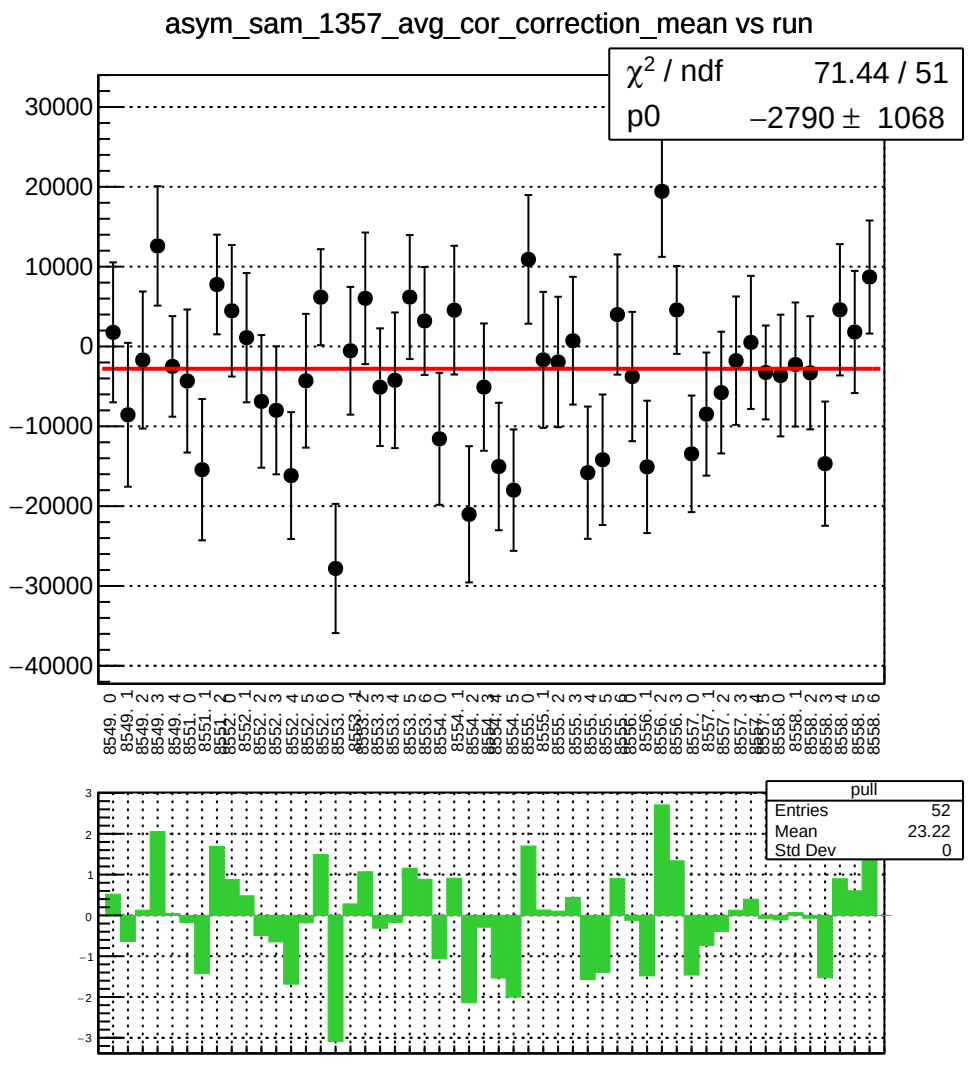
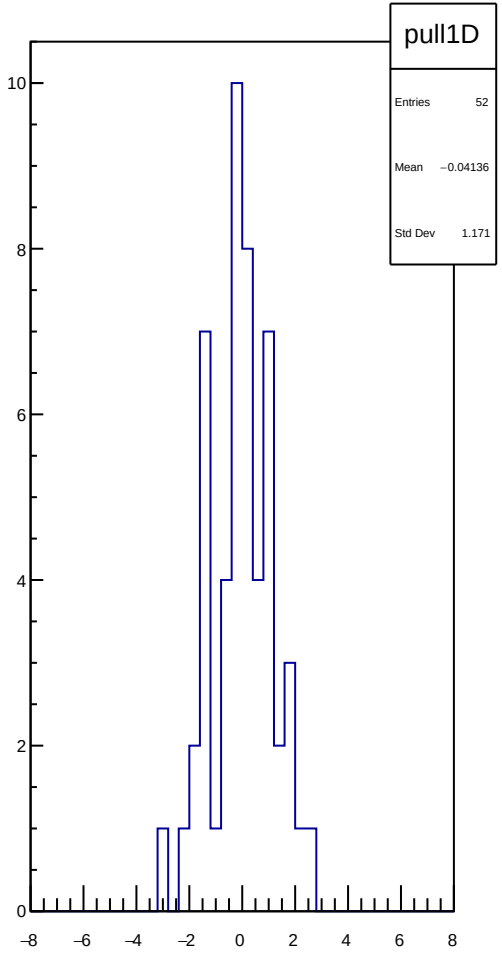
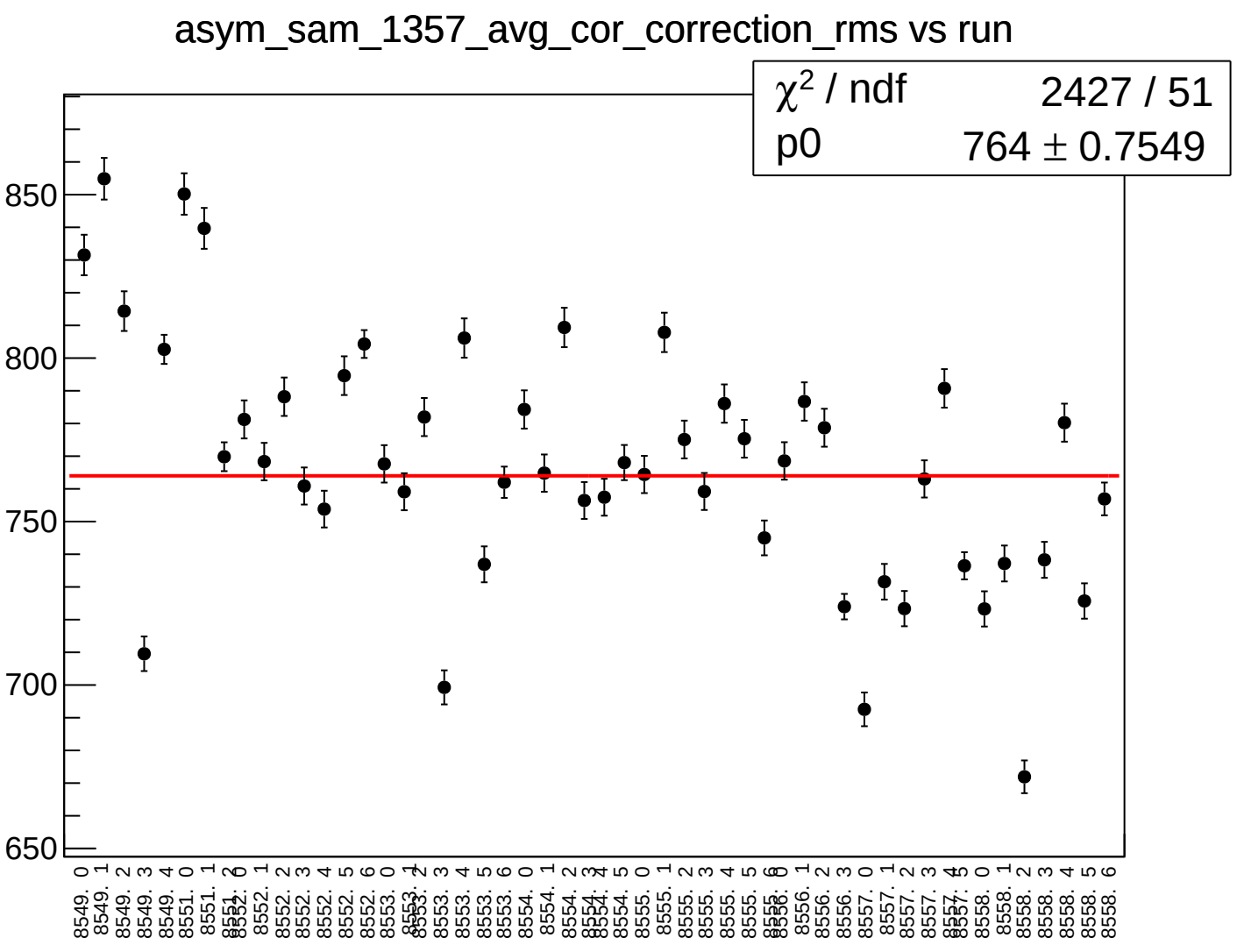
8558. 5
8558. 6


asym_sam_1357_avg_cor_correction_mean vs run
χ² / ndf 71.44 / 51
p0 −2790 ± 1068
30000
20000
10000
0
−10000
−20000
−30000
−40000
pull
Entries 52
Mean 23.22
Std Dev 0


pull1D
Entries 52
Mean −0.04136
Std Dev 1.171
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


asym_sam_1357_avg_cor_correction_rms vs run
χ² / ndf 2427 / 51
p0 764 ± 0.7549
850
800
750
700
650
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
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8557. 3
8558. 0
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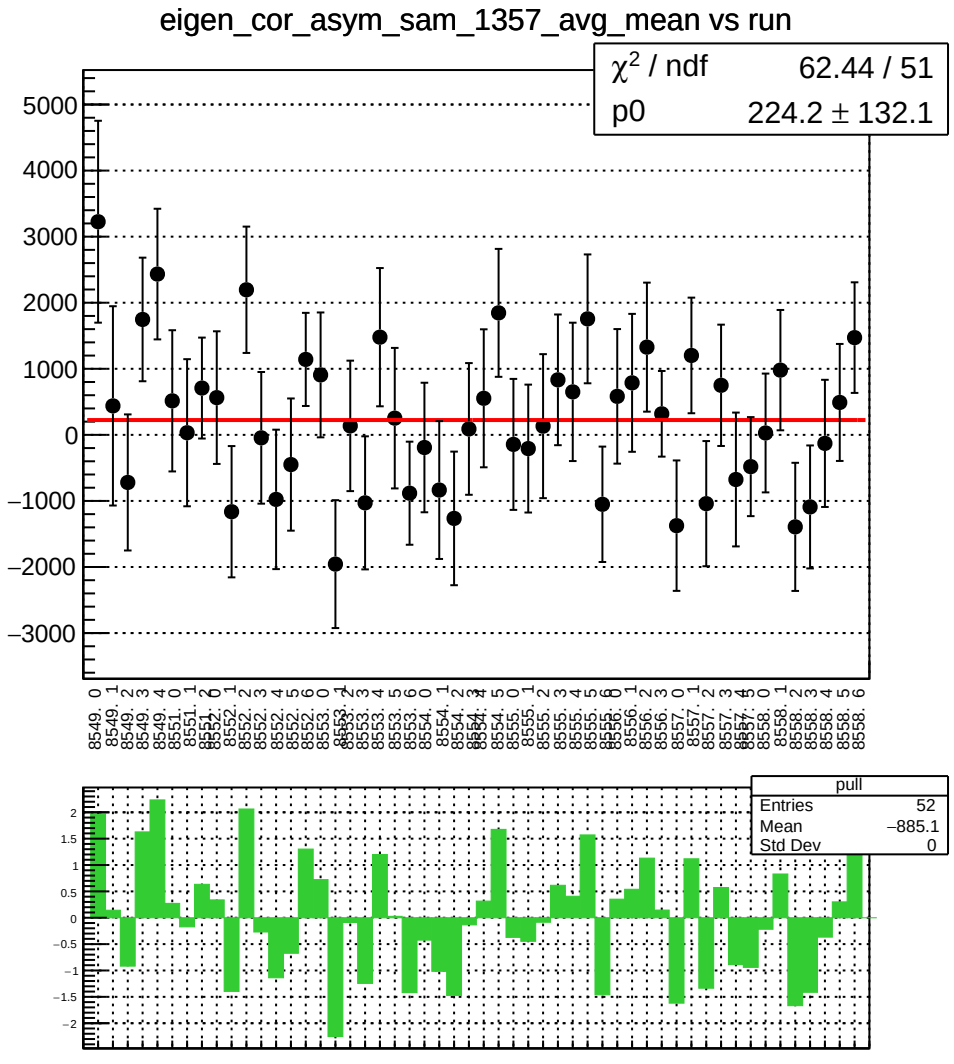
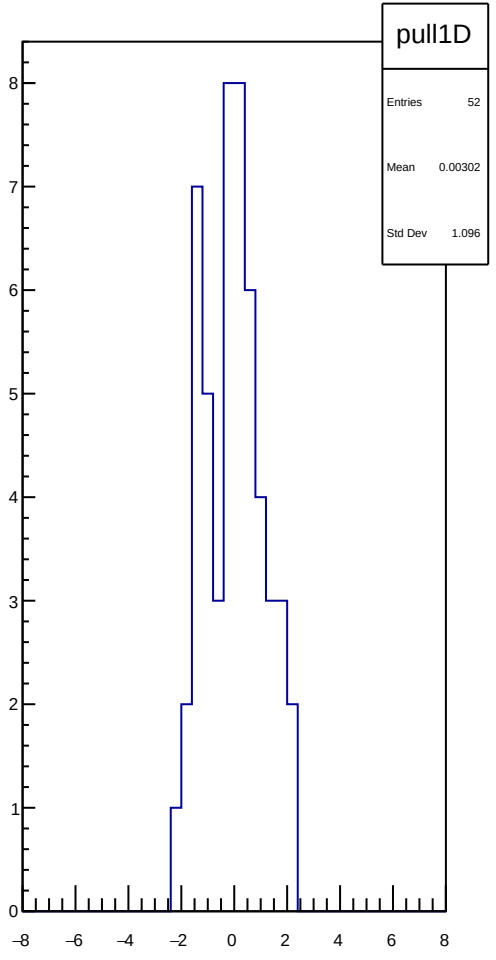
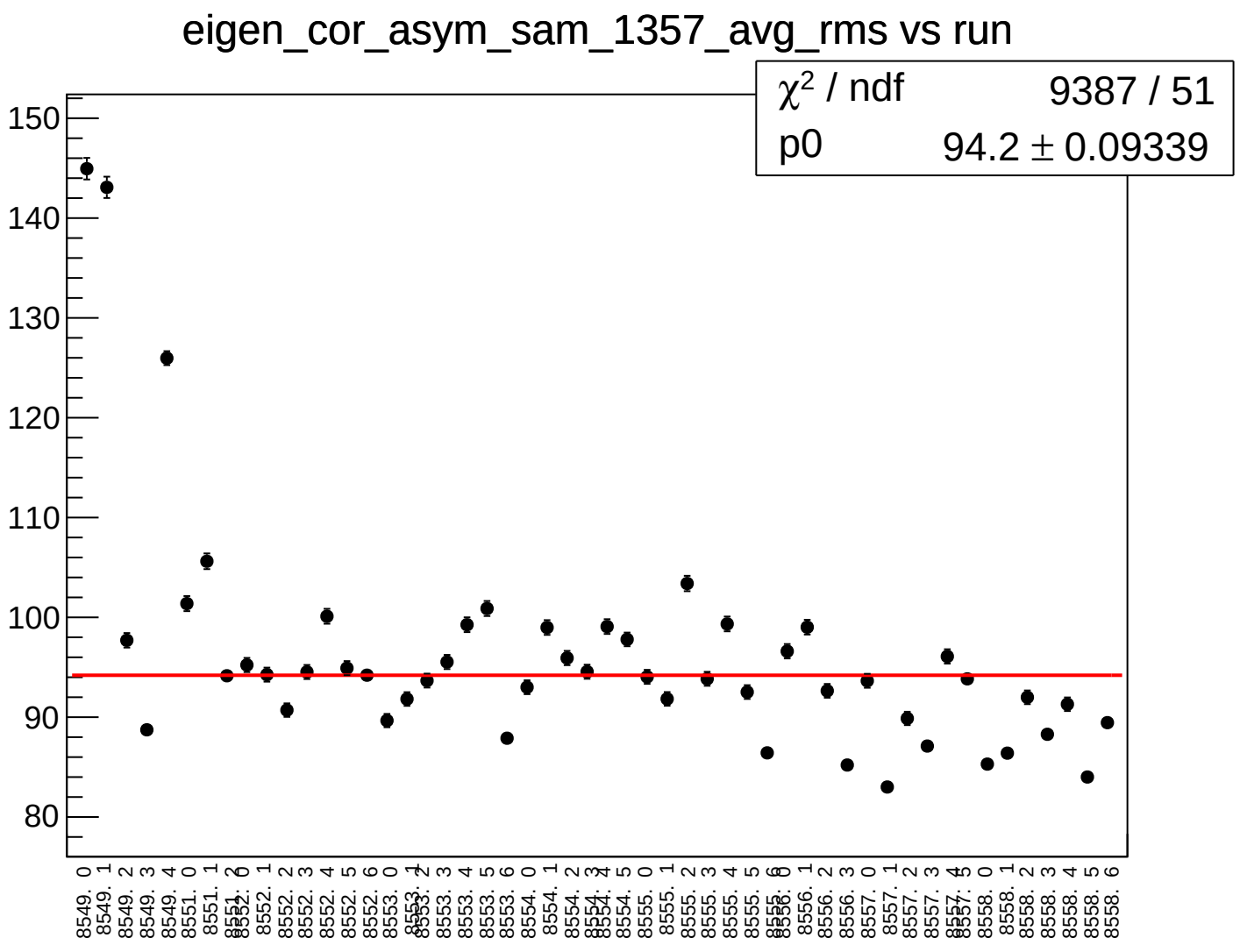
8558. 5
8558. 6


eigen_cor_asym_sam_1357_avg_mean vs run
χ² / ndf 62.44 / 51
p0 224.2 ± 132.1
pull
Entries 52
Mean −885.1
Std Dev 0


pull1D
Entries 52
Mean 0.00302
Std Dev 1.096


eigen_cor_asym_sam_1357_avg_rms vs run
χ² / ndf 9387 / 51
p0 94.2 ± 0.09339
150
140
130
120
110
100
90
80
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 5
8555. 0
8555. 1
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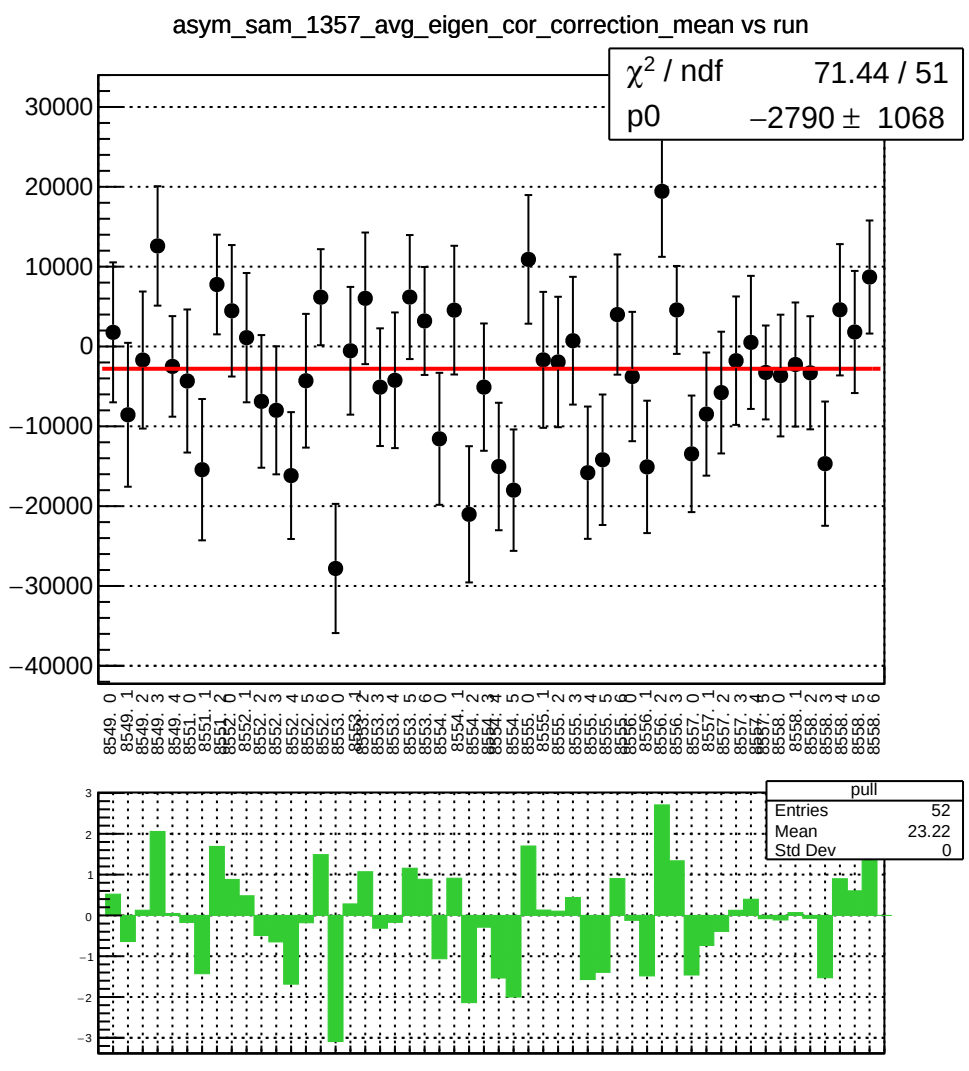
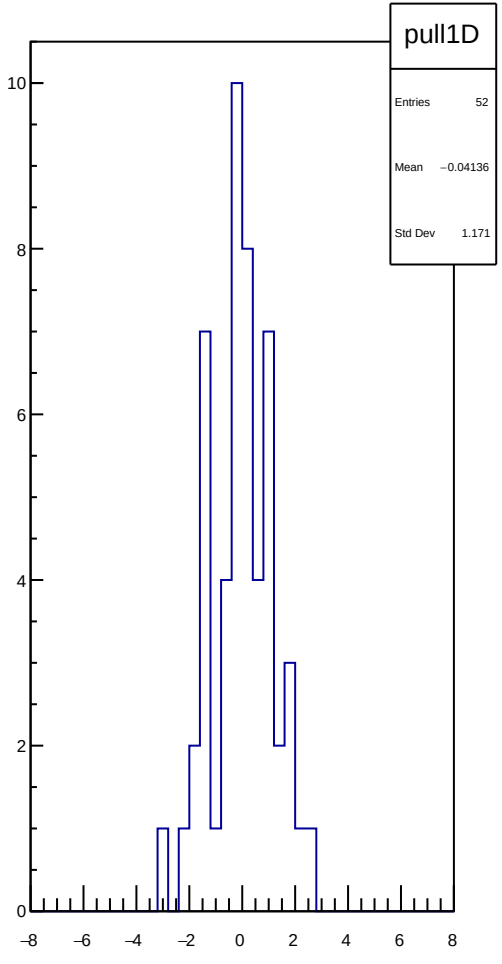
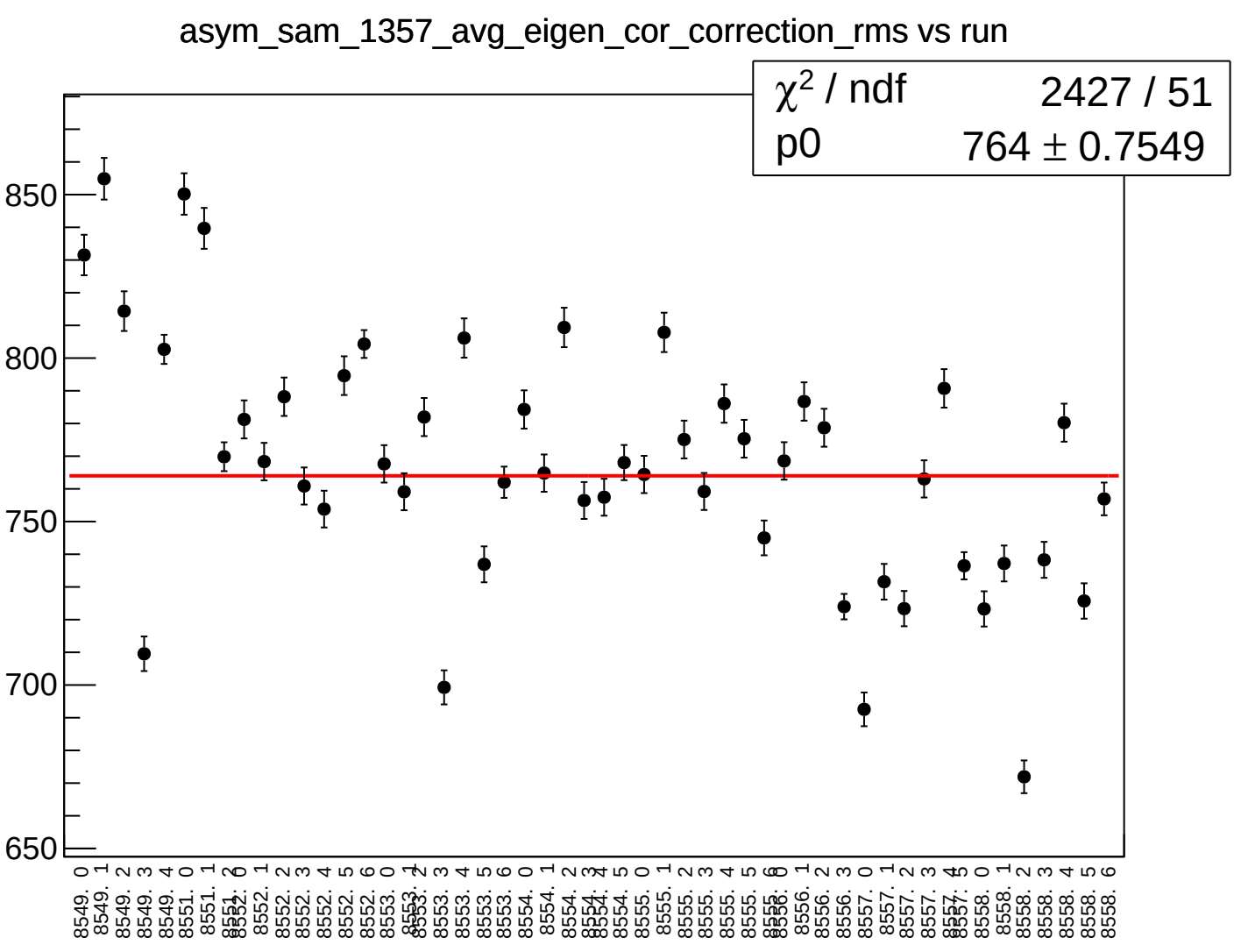
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6


asym_sam_1357_avg_eigen_cor_correction_mean vs run
χ² / ndf 71.44 / 51
p0 −2790 ± 1068
pull
Entries 52
Mean 23.22
Std Dev 0


pull1D
Entries 52
Mean −0.04136
Std Dev 1.171


asym_sam_1357_avg_eigen_cor_correction_rms vs run
χ² / ndf 2427 / 51
p0 764 ± 0.7549
850
800
750
700
650
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
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8554. 0
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8554. 2
8555. 0
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8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
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8557. 3
8558. 0
8558. 1
8558. 2
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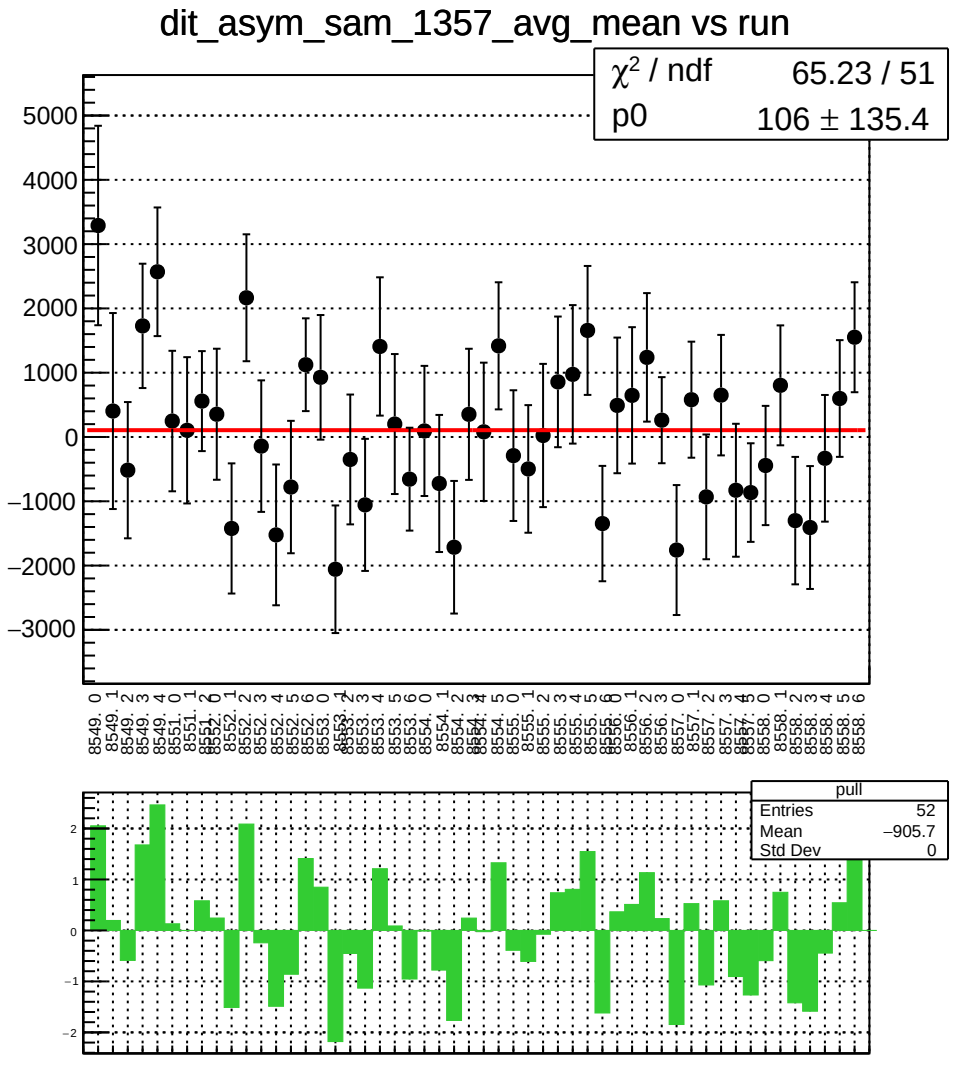
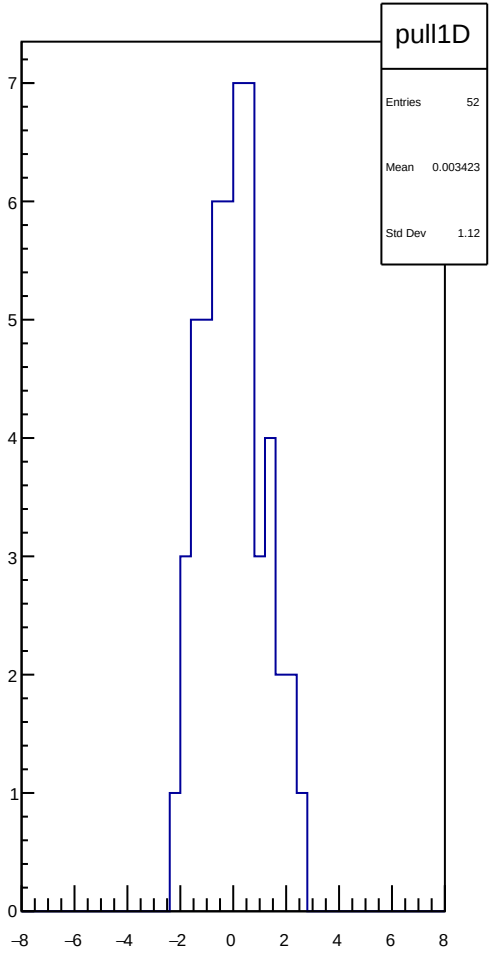
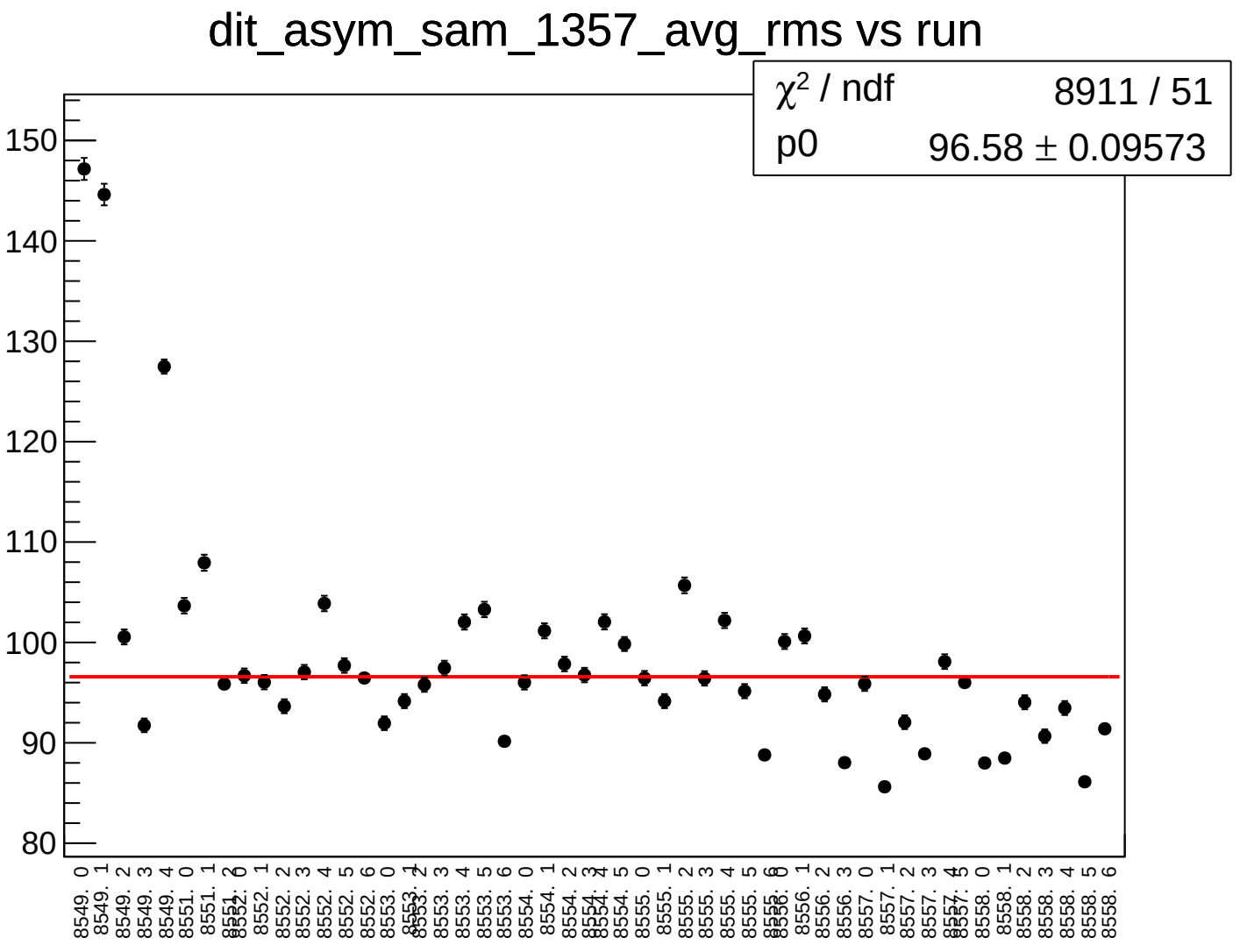
8558. 5
8558. 6


dit_asym_sam_1357_avg_mean vs run
χ² / ndf 65.23 / 51
p0 106 ± 135.4
pull
Entries 52
Mean −905.7
Std Dev 0


pull1D
Entries 52
Mean 0.003423
Std Dev 1.12


dit_asym_sam_1357_avg_rms vs run
χ² / ndf 8911 / 51
p0 96.58 ± 0.09573
150
140
130
120
110
100
90
80
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
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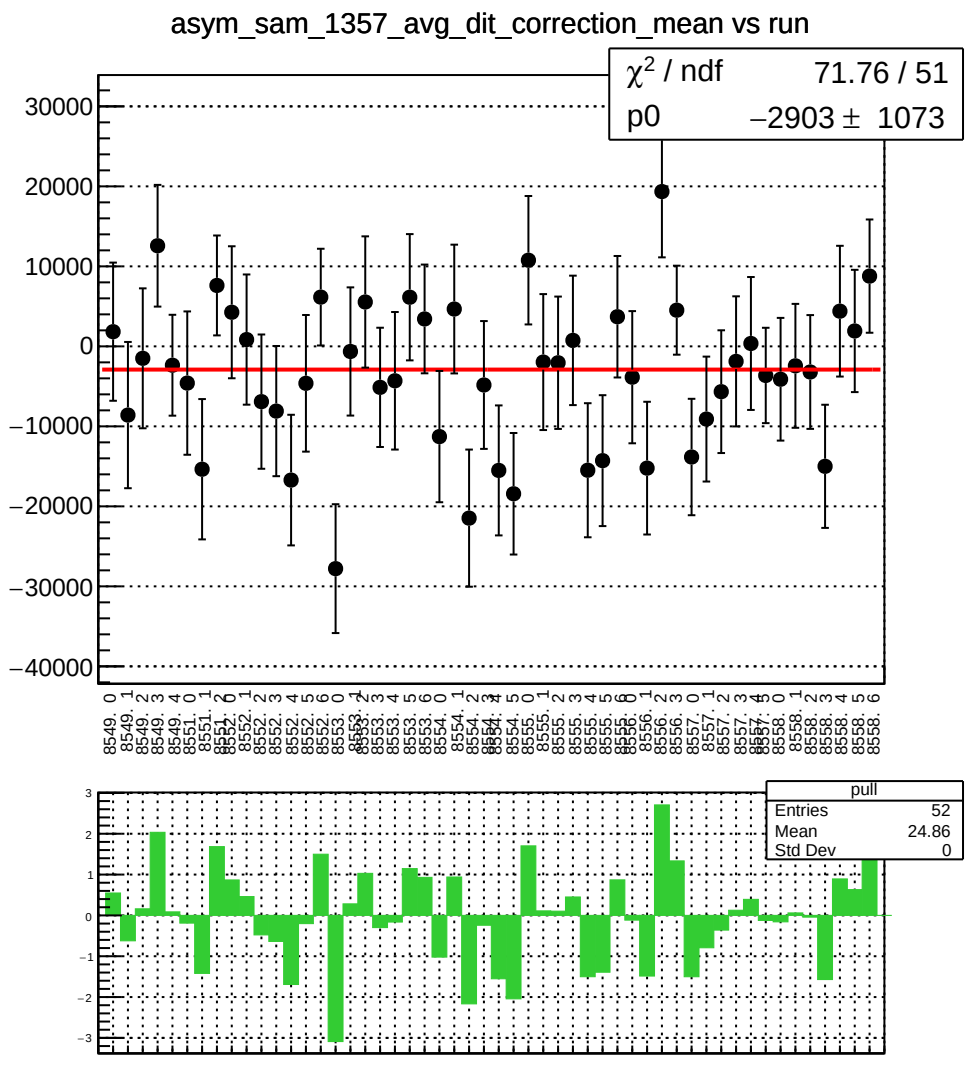
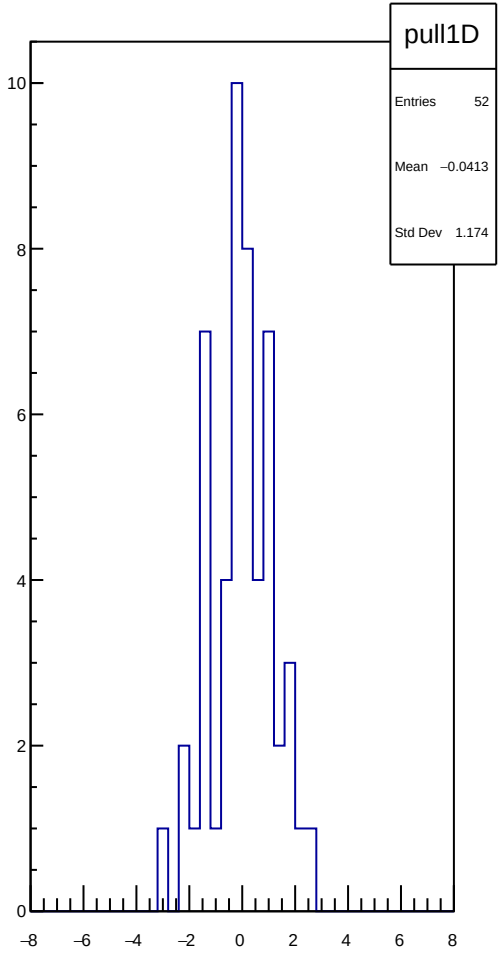
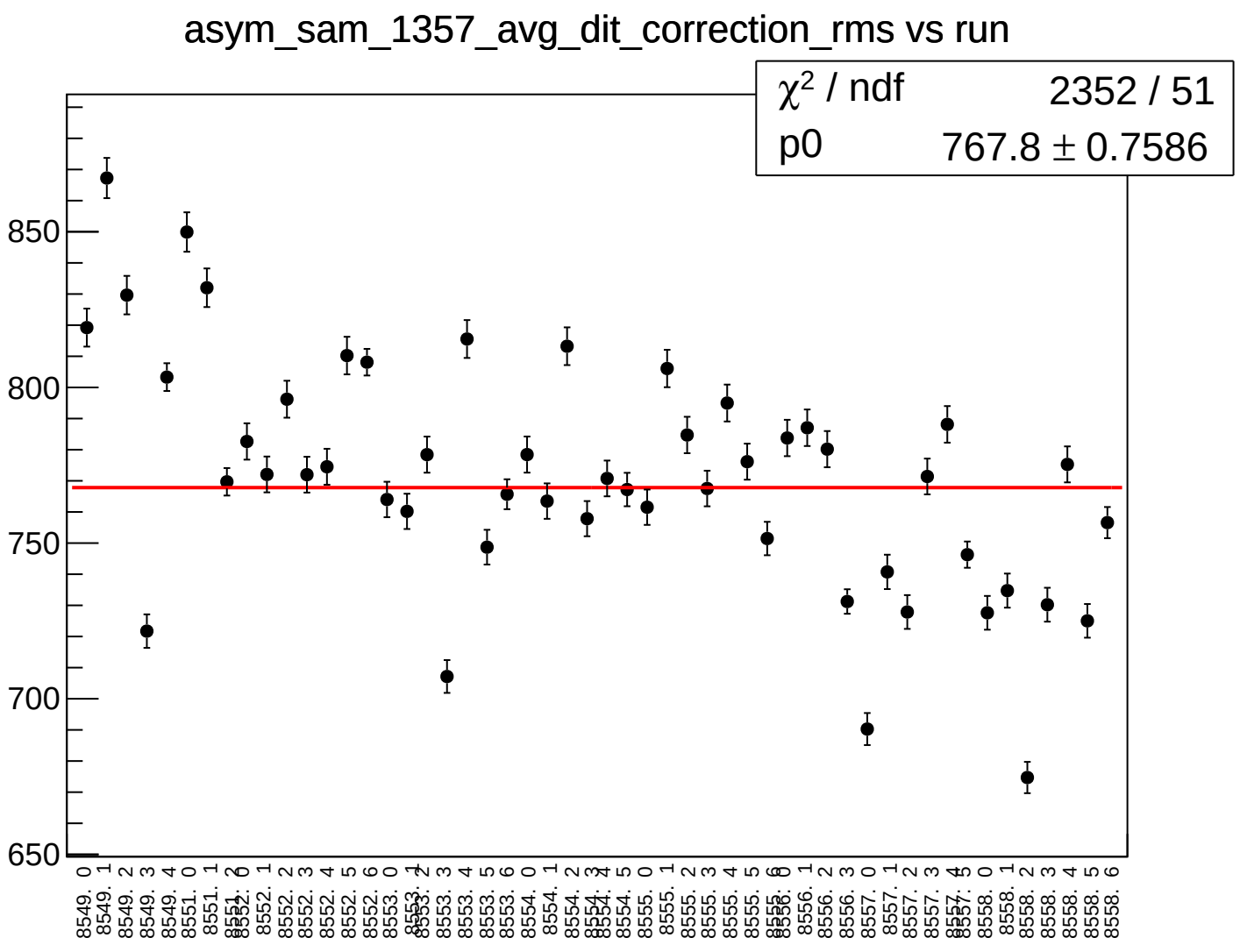

asym_sam_1357_avg_dit_correction_mean vs run
χ² / ndf 71.76 / 51
p0 −2903 ± 1073
pull
Entries 52
Mean 24.86
Std Dev 0


pull1D
Entries 52
Mean −0.0413
Std Dev 1.174


asym_sam_1357_avg_dit_correction_rms vs run
χ² / ndf 2352 / 51
p0 767.8 ± 0.7586
850
800
750
700
650
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
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8556. 2
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8557. 0
8557. 1
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8557. 3
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8558. 1
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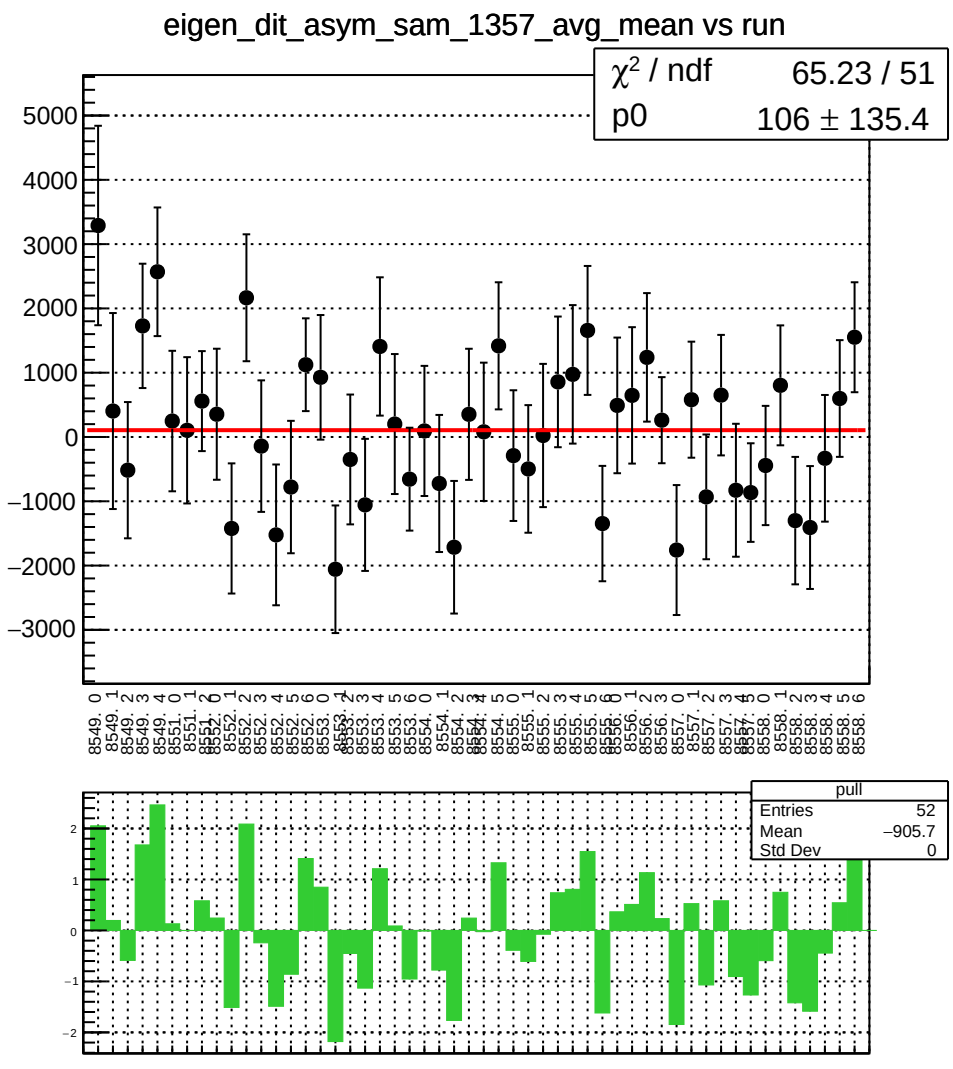
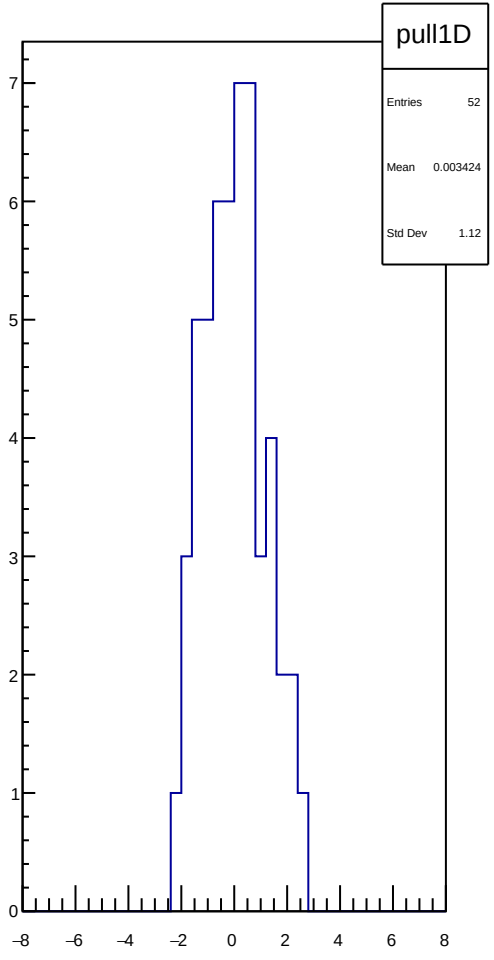
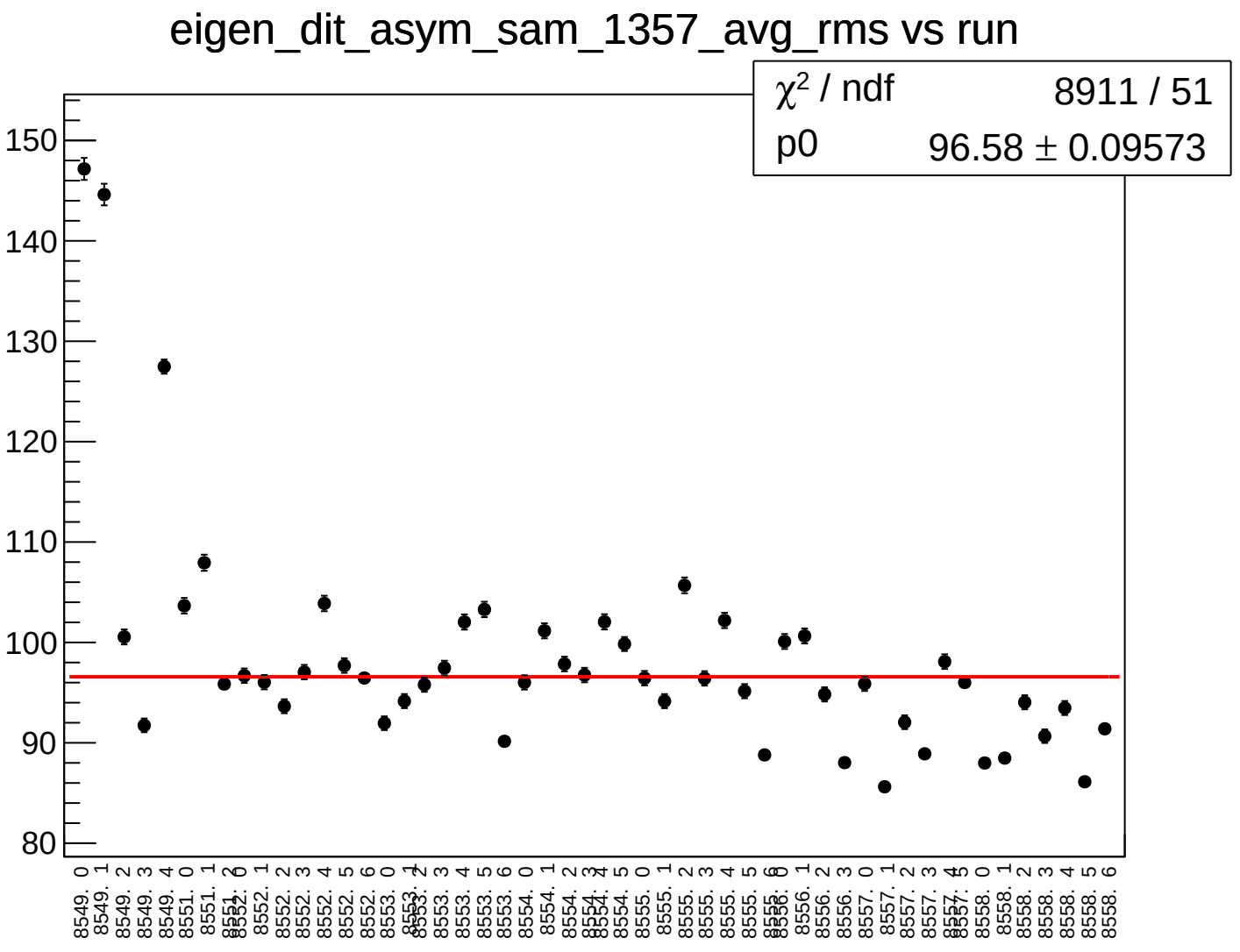
8558. 6


eigen_dit_asym_sam_1357_avg_mean vs run
χ² / ndf 65.23 / 51
p0 106 ± 135.4
pull
Entries 52
Mean −905.7
Std Dev 0


pull1D
Entries 52
Mean 0.003424
Std Dev 1.12


eigen_dit_asym_sam_1357_avg_rms vs run
χ² / ndf 8911 / 51
p0 96.58 ± 0.09573
150
140
130
120
110
100
90
80
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
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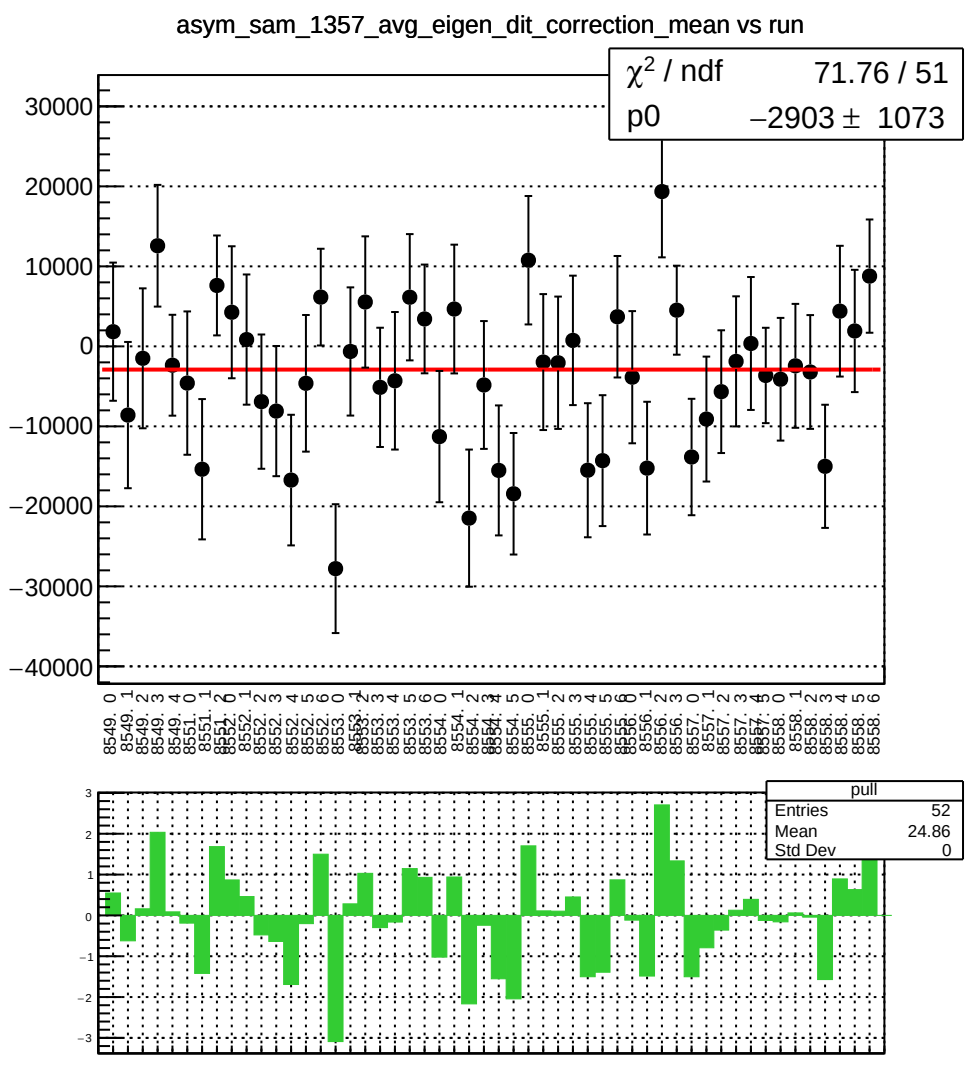
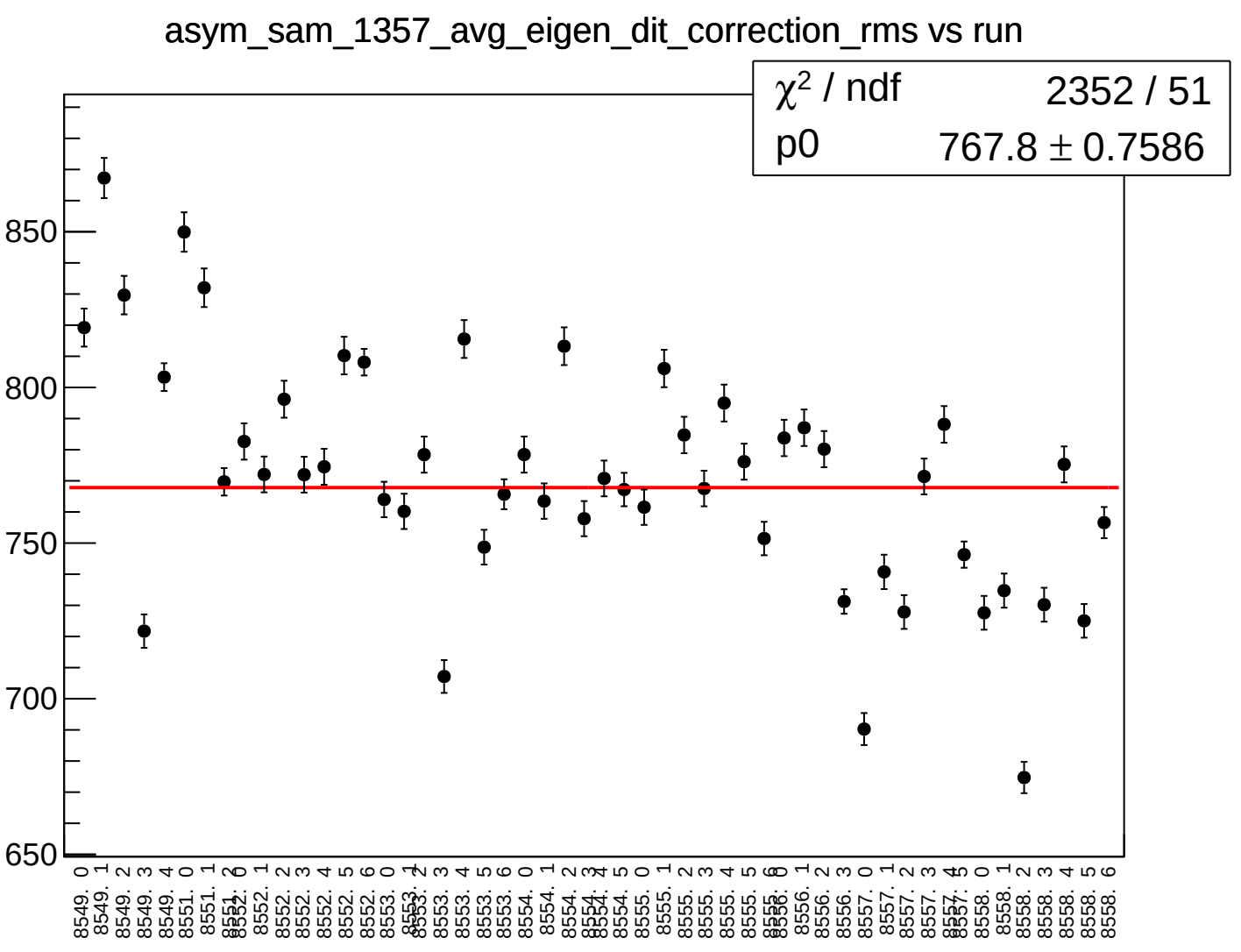
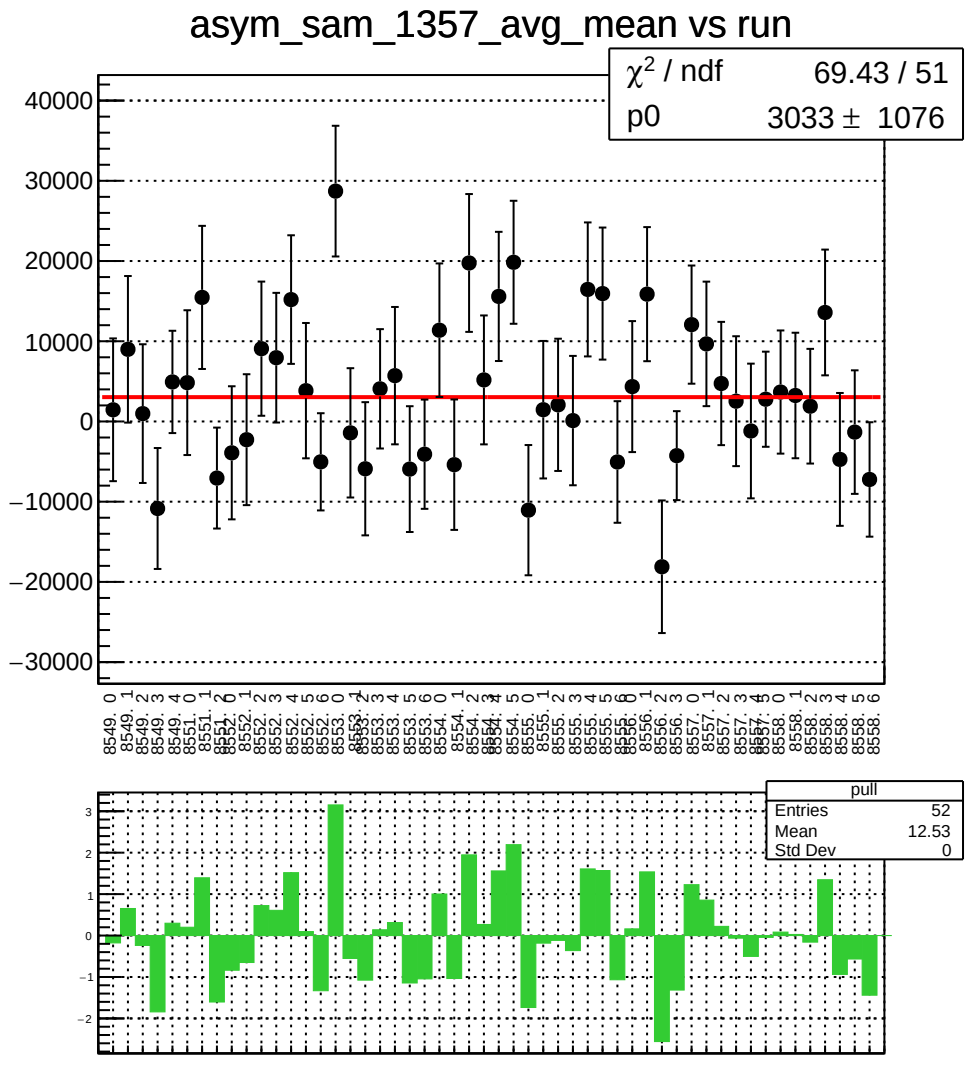
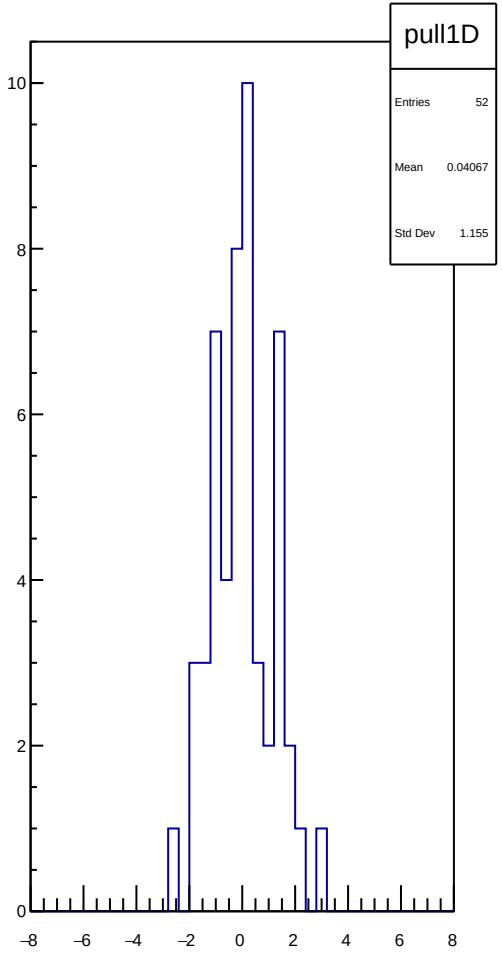
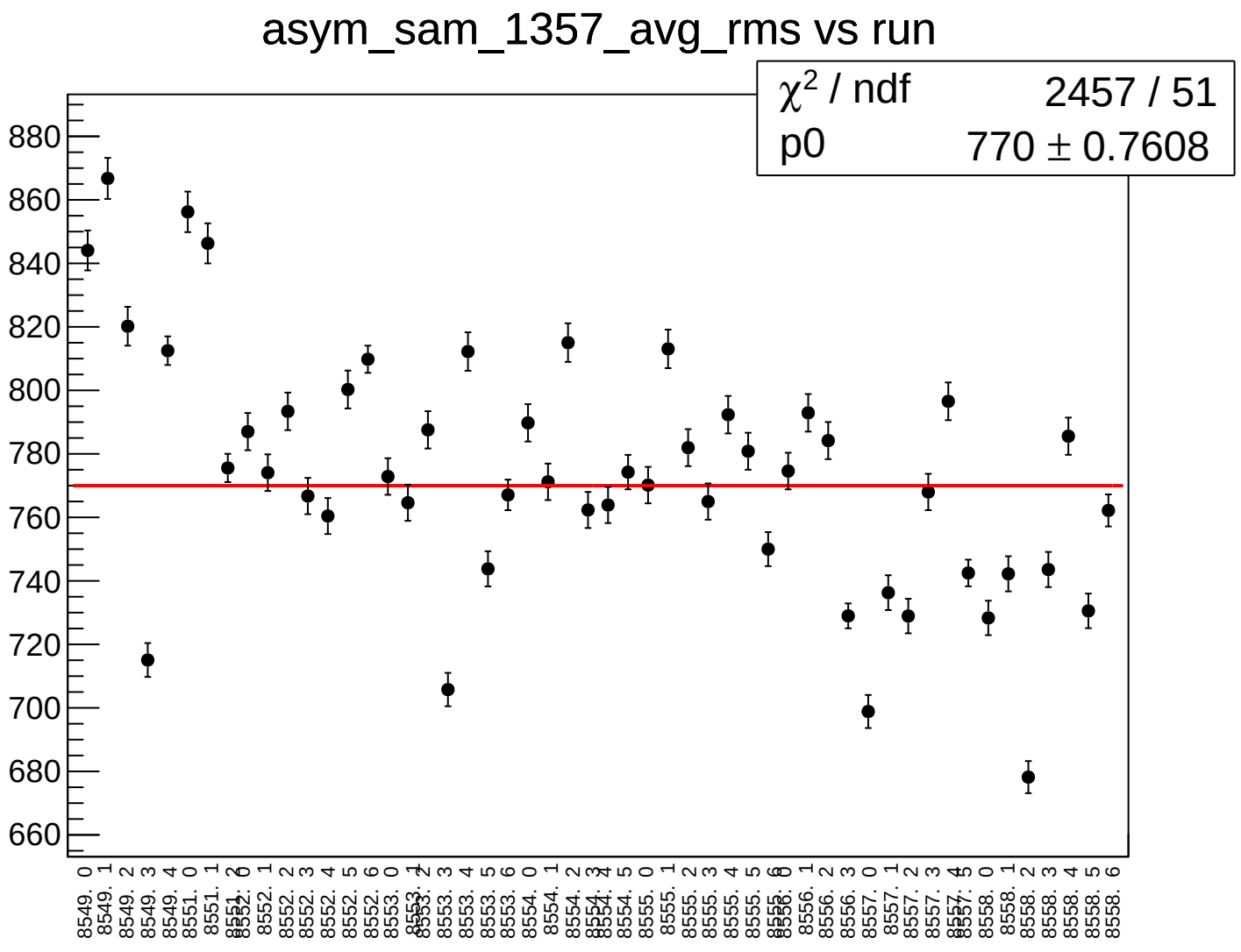
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

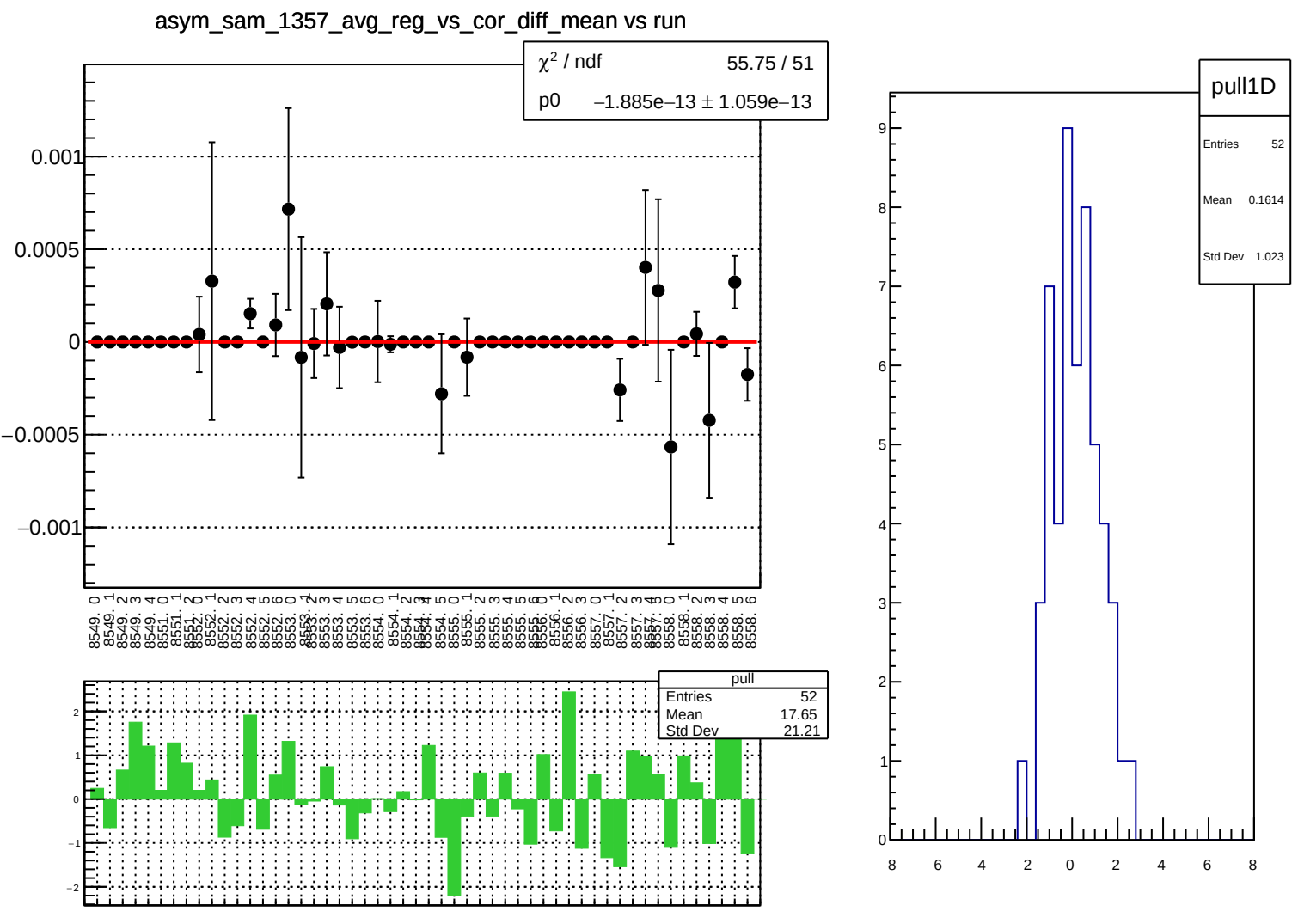

asym_sam_1357_avg_eigen_dit_correction_mean vs run
χ² / ndf 71.76 / 51
p0 −2903 ± 1073
30000
20000
10000
0
−10000
−20000
−30000
−40000
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8551. 2
8552. 0
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 1
8553. 2
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 3
8554. 4
8554. 5
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8555. 6
8556. 0
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8557. 4
8557. 5
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6
pull
Entries 52
Mean 24.86
Std Dev 0
3
2
1
0
−1
−2
−3
pull1D
Entries 52
Mean −0.0413
Std Dev 1.174
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

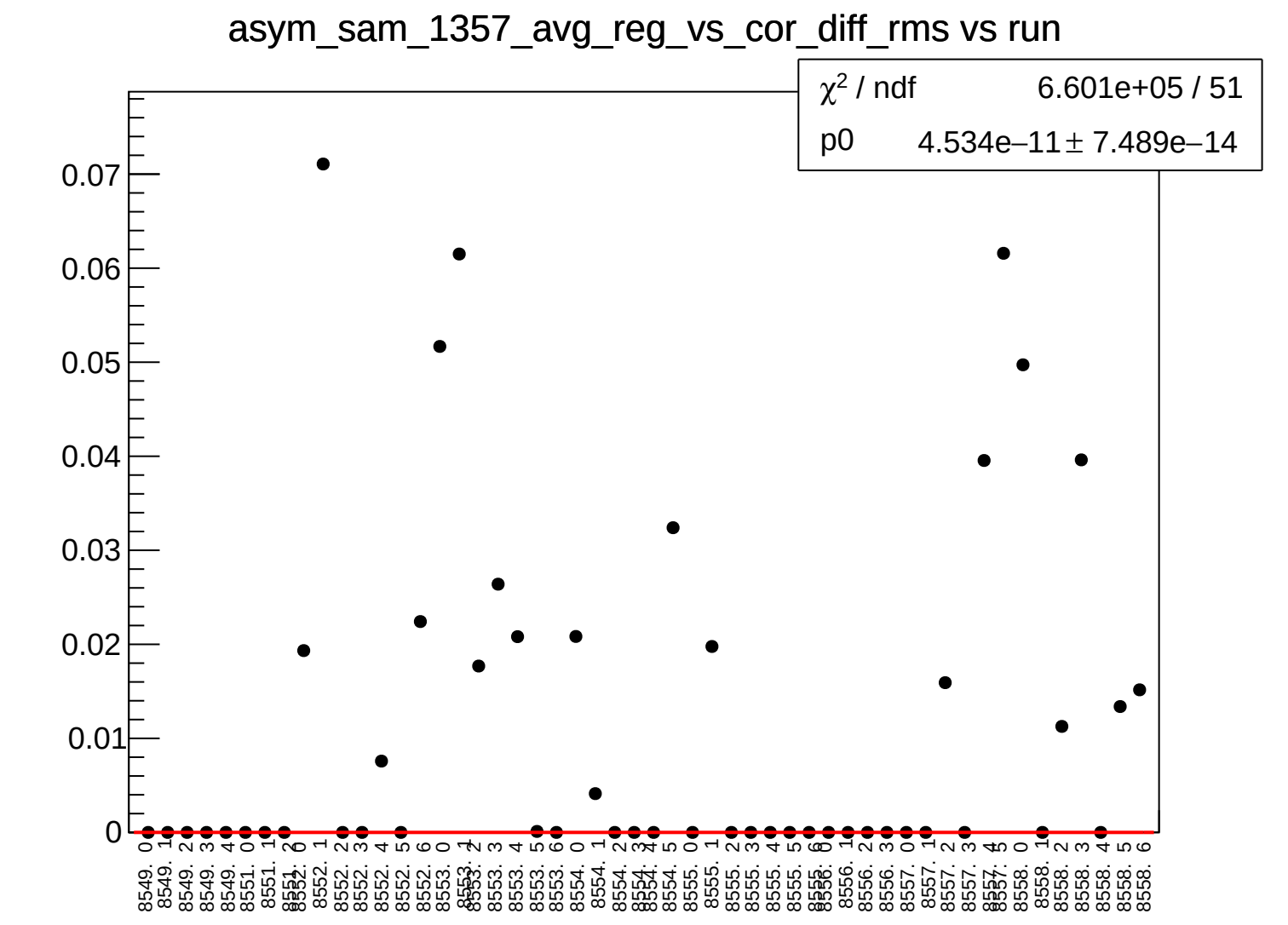

asym_sam_1357_avg_eigen_dit_correction_rms vs run
χ² / ndf 2352 / 51
p0 767.8 ± 0.7586
850
800
750
700
650
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 5
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

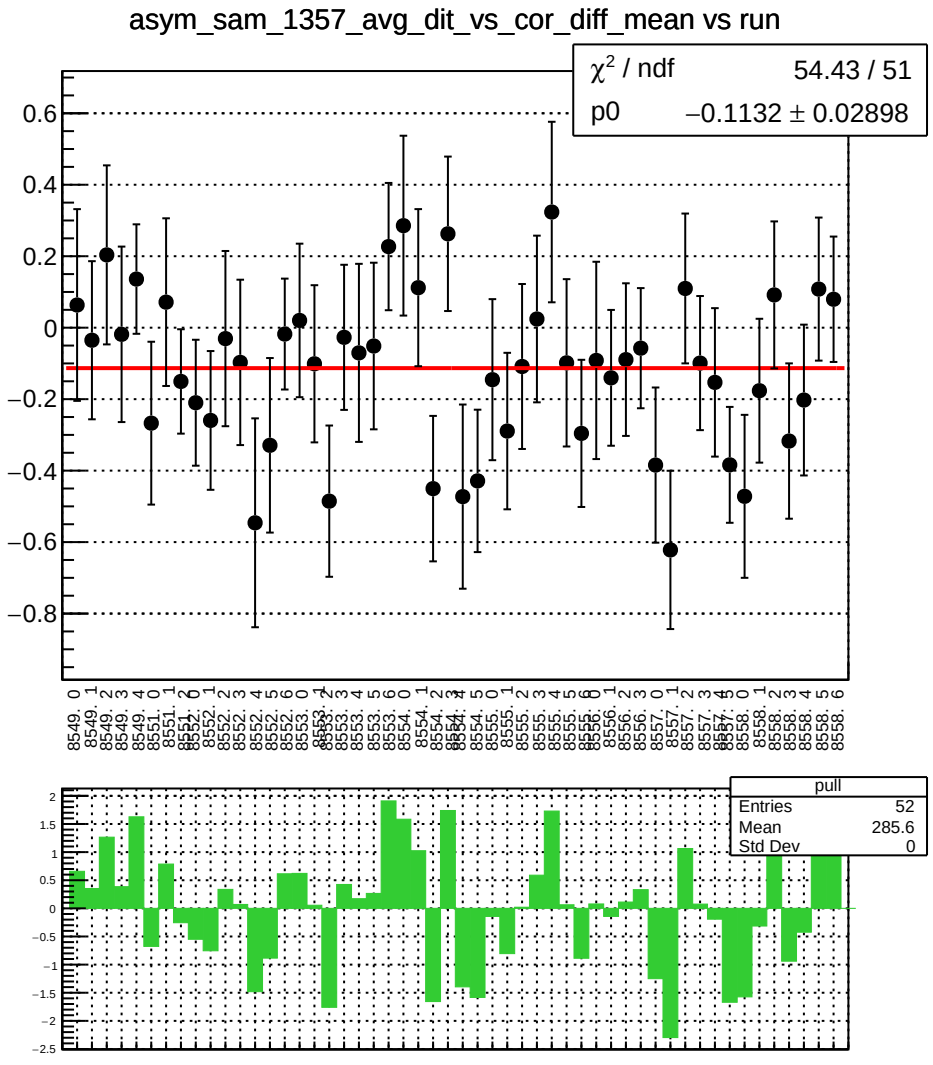

asym_sam_1357_avg_mean vs run
χ² / ndf 69.43 / 51
p0 3033 ± 1076
pull
Entries 52
Mean 12.53
Std Dev 0

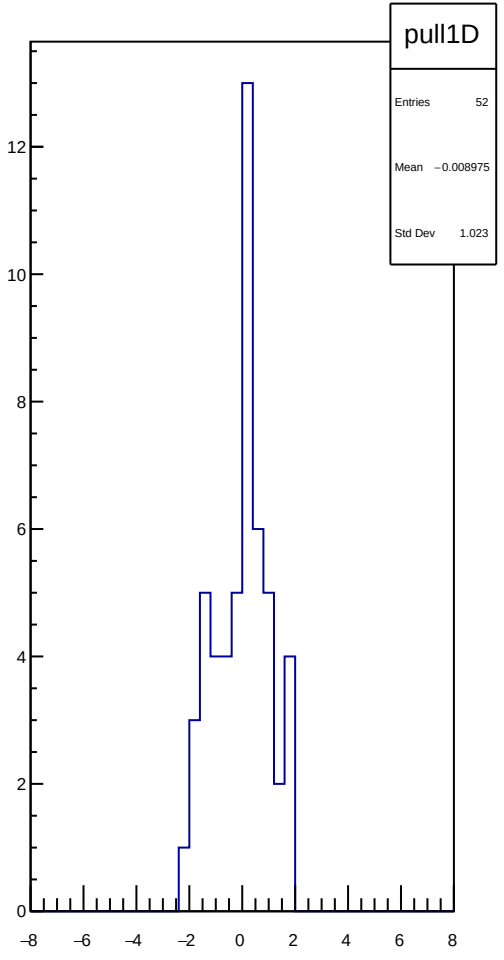

pull1D
Entries 52
Mean 0.04067
Std Dev 1.155

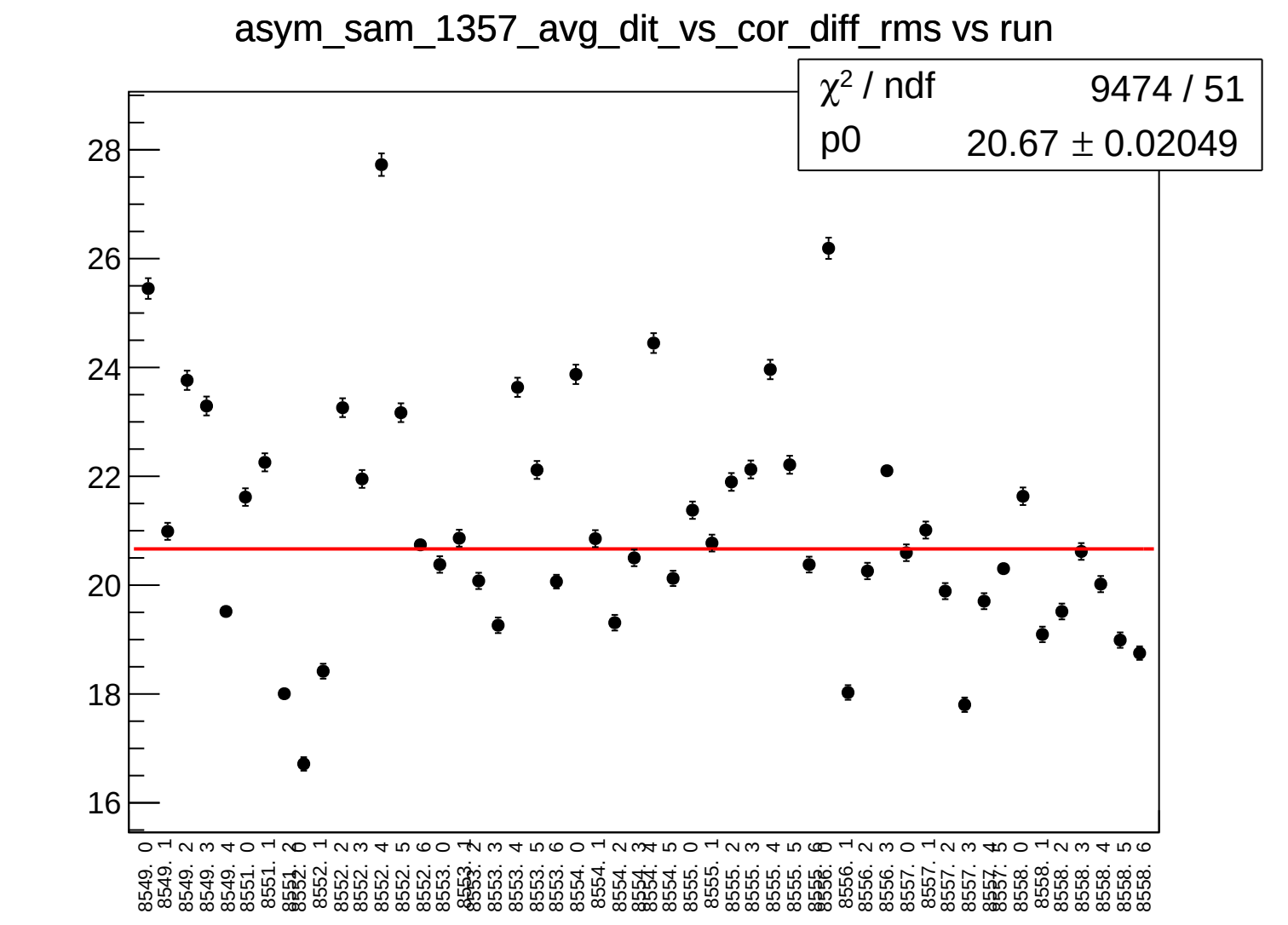

asym_sam_1357_avg_rms vs run
χ² / ndf 2457 / 51
p0 770 ± 0.7608
880
860
840
820
800
780
760
740
720
700
680
660
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

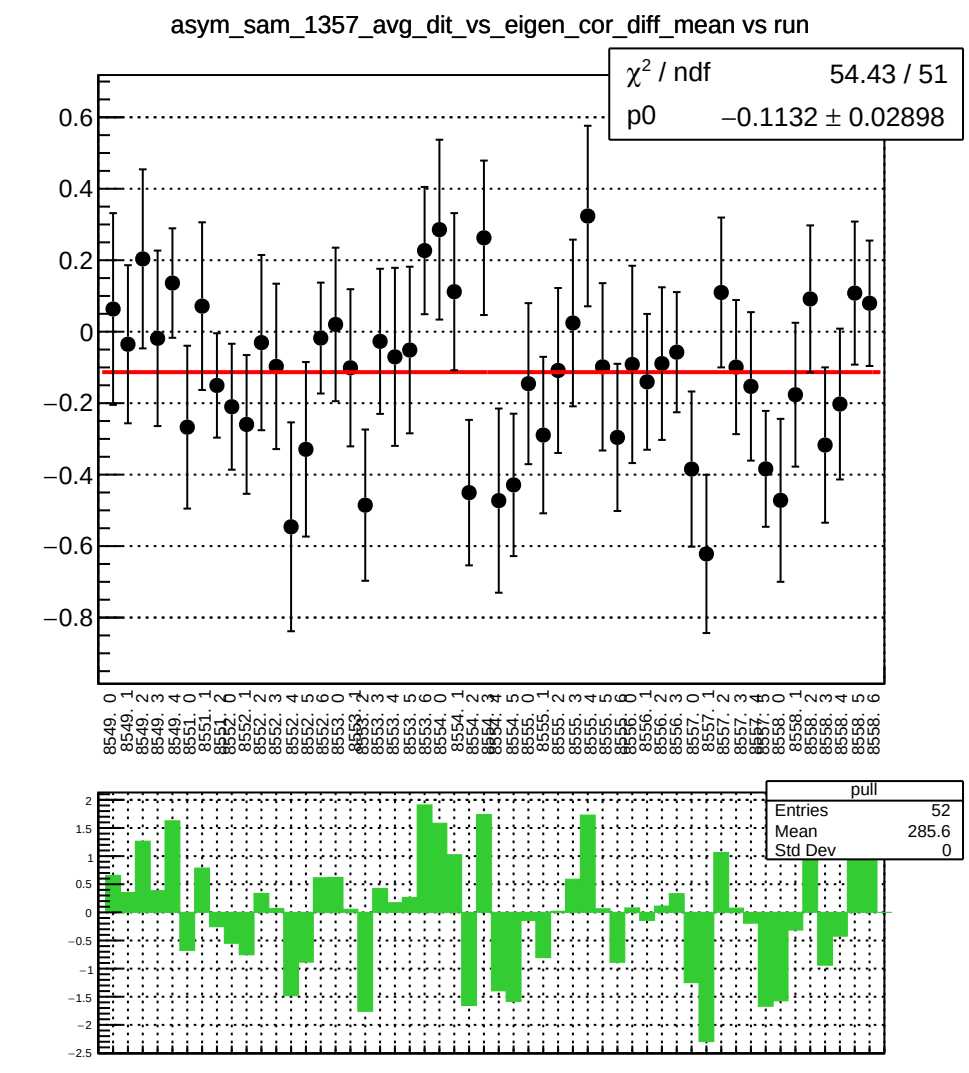

asym_sam_1357_avg_reg_vs_cor_diff_mean vs run
χ² / ndf 55.75 / 51
p0 −1.885e−13 ± 1.059e−13
0.001
0.0005
0
−0.0005
−0.001
pull
Entries 52
Mean 17.65
Std Dev 21.21
pull1D
Entries 52
Mean 0.1614
Std Dev 1.023

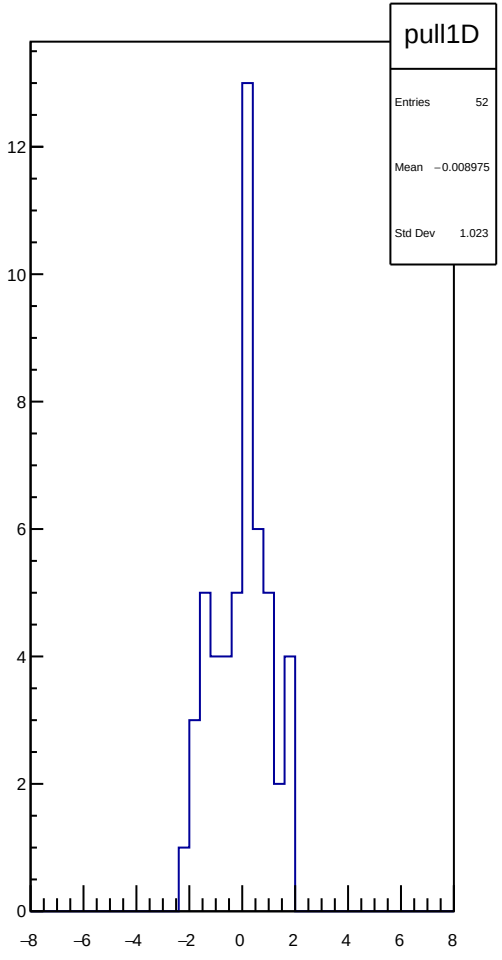

asym_sam_1357_avg_reg_vs_cor_diff_rms vs run
χ² / ndf 6.601e+05 / 51
p0 4.534e−11 ± 7.489e−14
0.07
0.06
0.05
0.04
0.03
0.02
0.01
0
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 2
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 5
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8557. 5
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

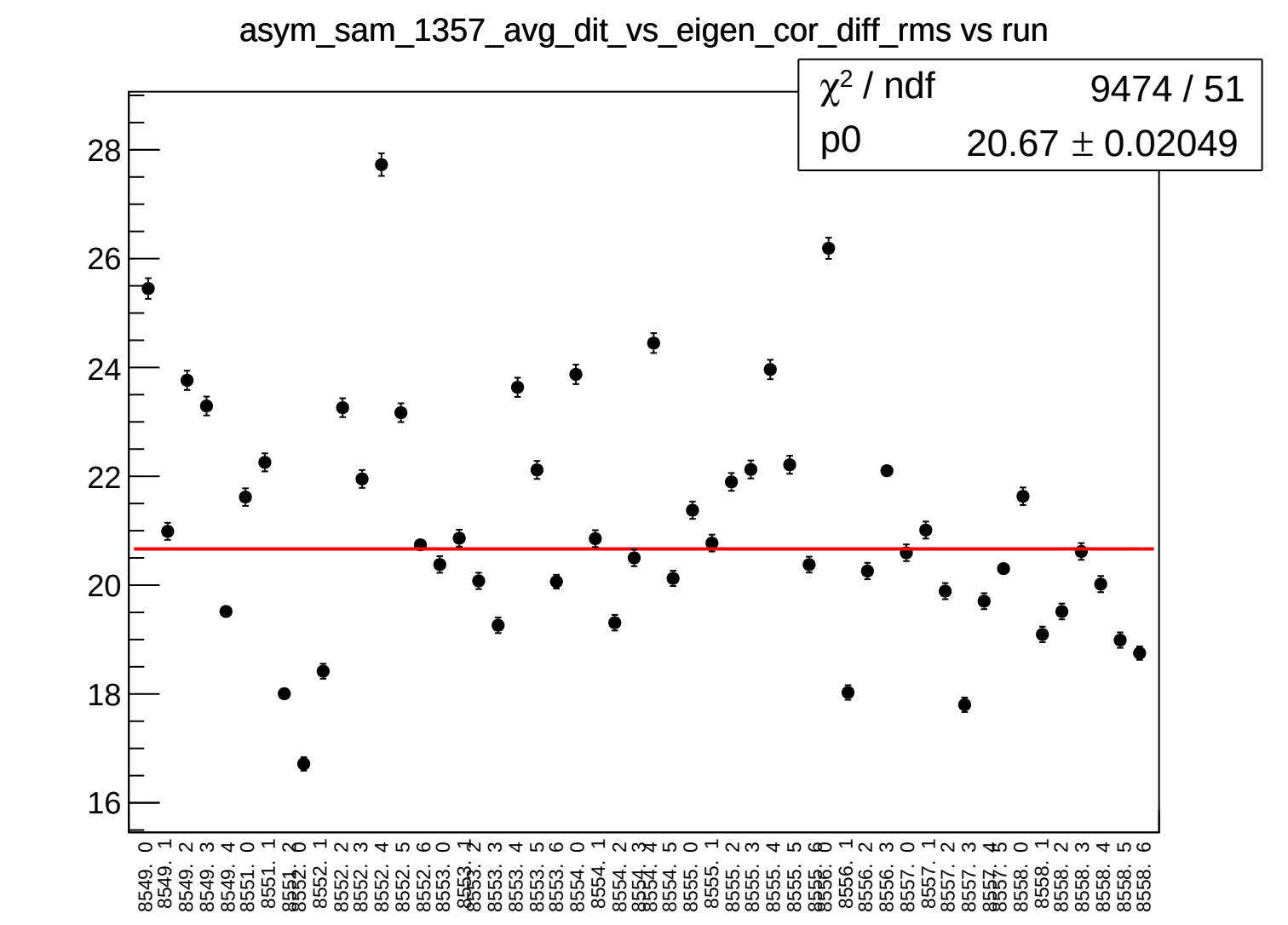

asym_sam_1357_avg_dit_vs_cor_diff_mean vs run
χ² / ndf 54.43 / 51
p0 −0.1132 ± 0.02898
pull
Entries 52
Mean 285.6
Std Dev 0

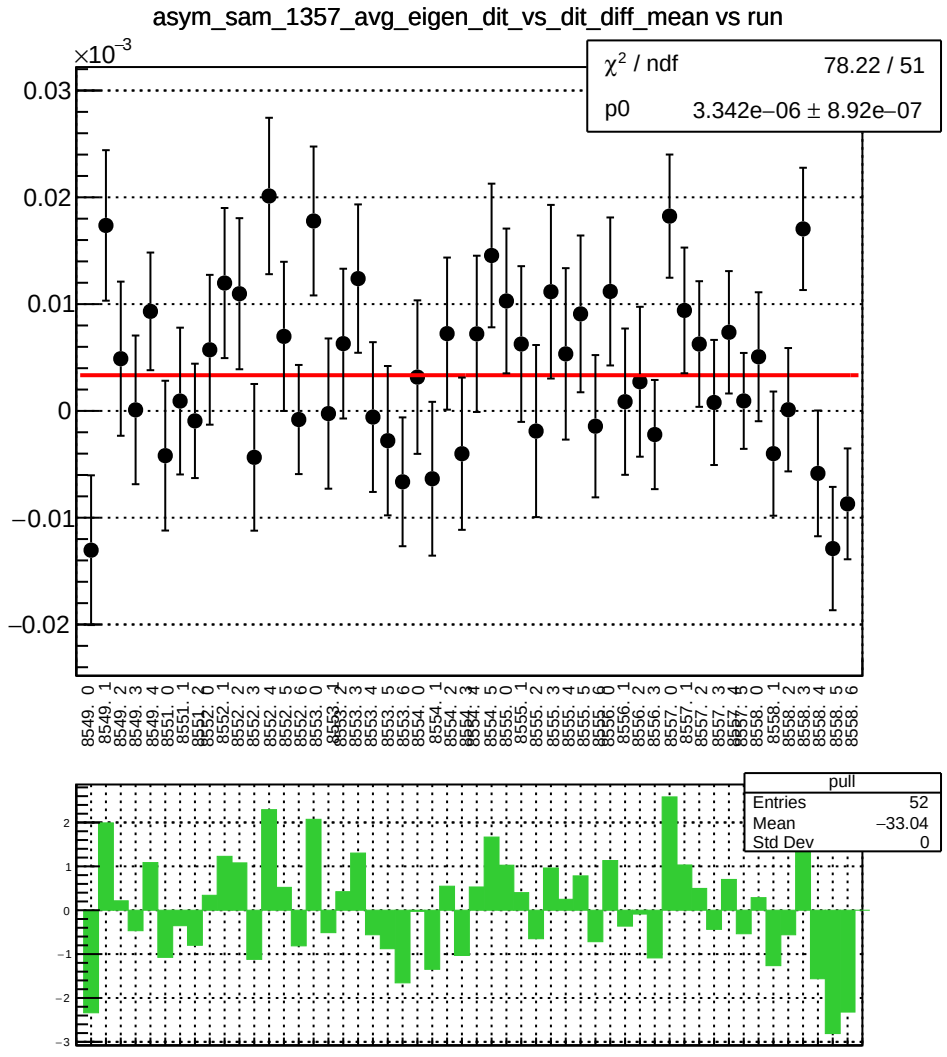

pull1D
Entries 52
Mean −0.008975
Std Dev 1.023

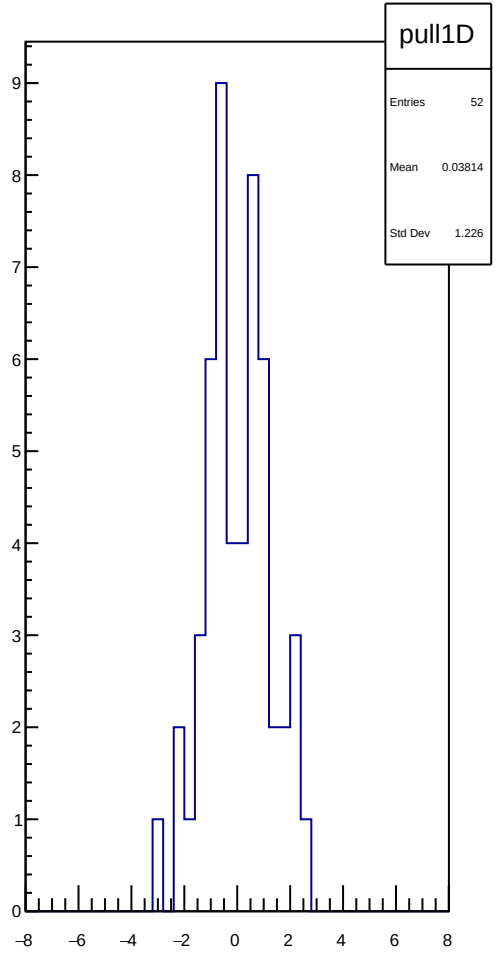

asym_sam_1357_avg_dit_vs_cor_diff_rms vs run
χ² / ndf 9474 / 51
p0 20.67 ± 0.02049
28
26
24
22
20
18
16
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 5
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

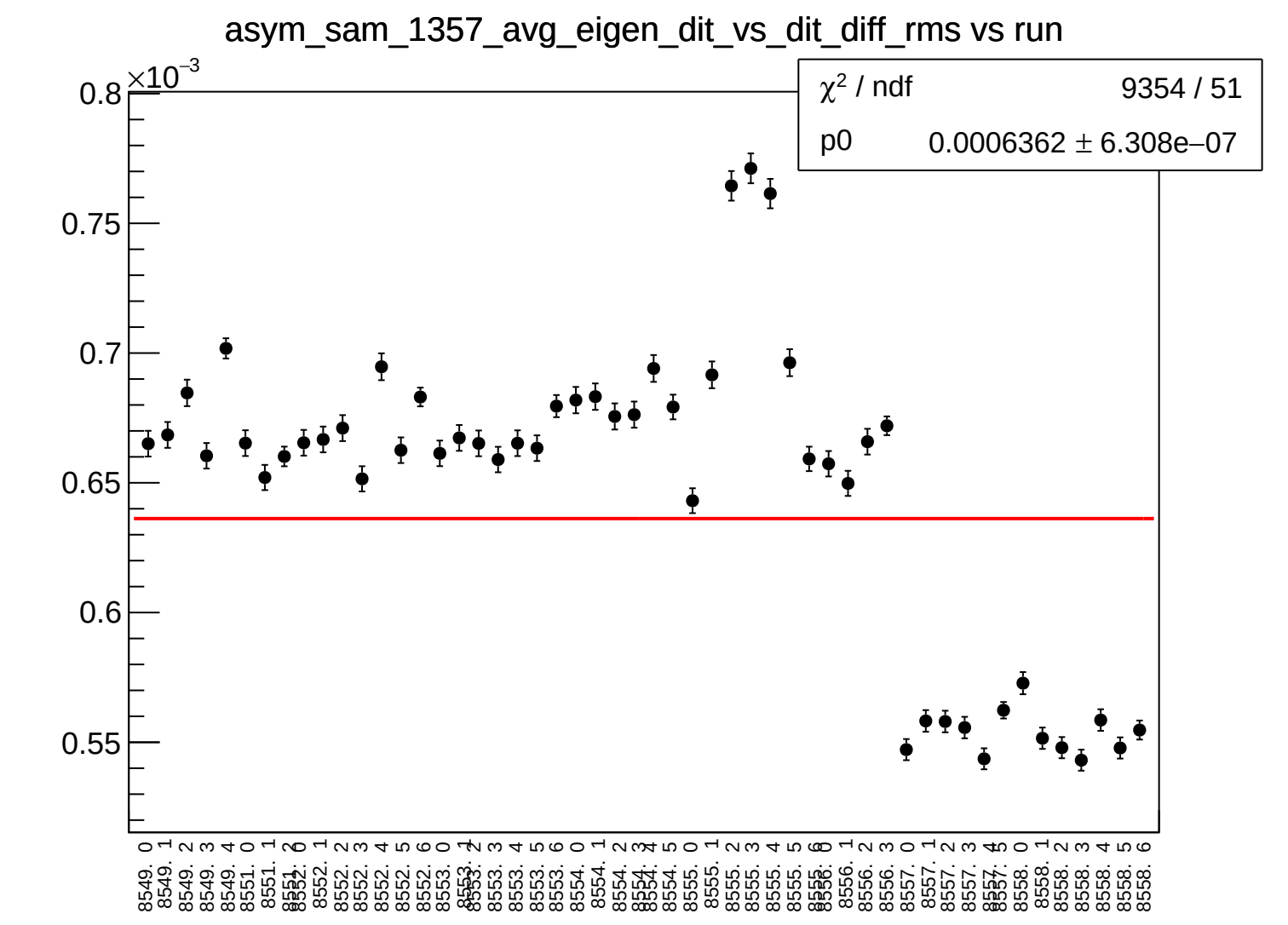

asym_sam_1357_avg_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 54.43 / 51
p0 −0.1132 ± 0.02898
pull
Entries 52
Mean 285.6
Std Dev 0

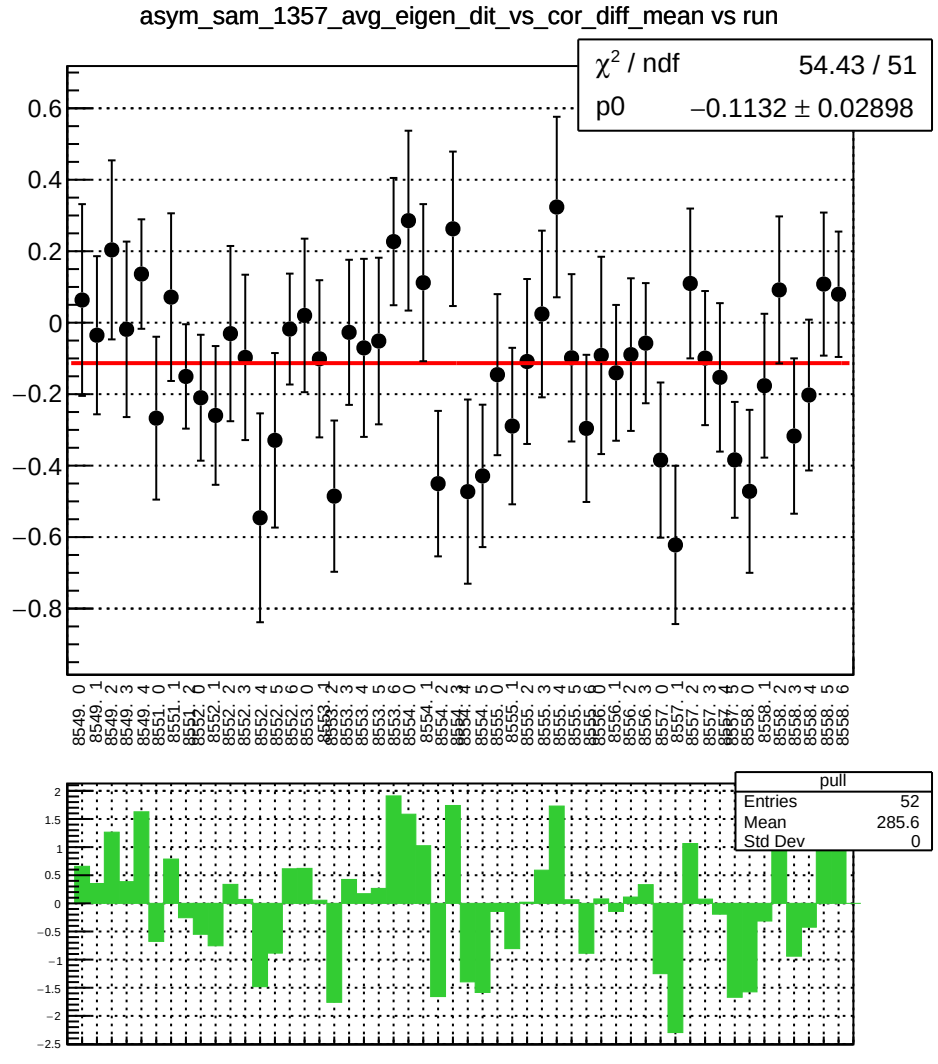

pull1D
Entries 52
Mean −0.008975
Std Dev 1.023

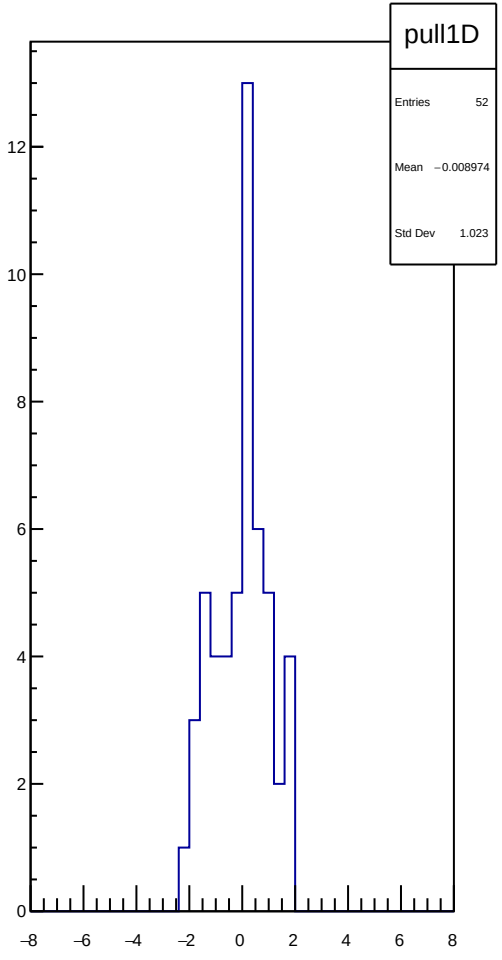

asym_sam_1357_avg_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 9474 / 51
p0 20.67 ± 0.02049
28
26
24
22
20
18
16
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 5
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

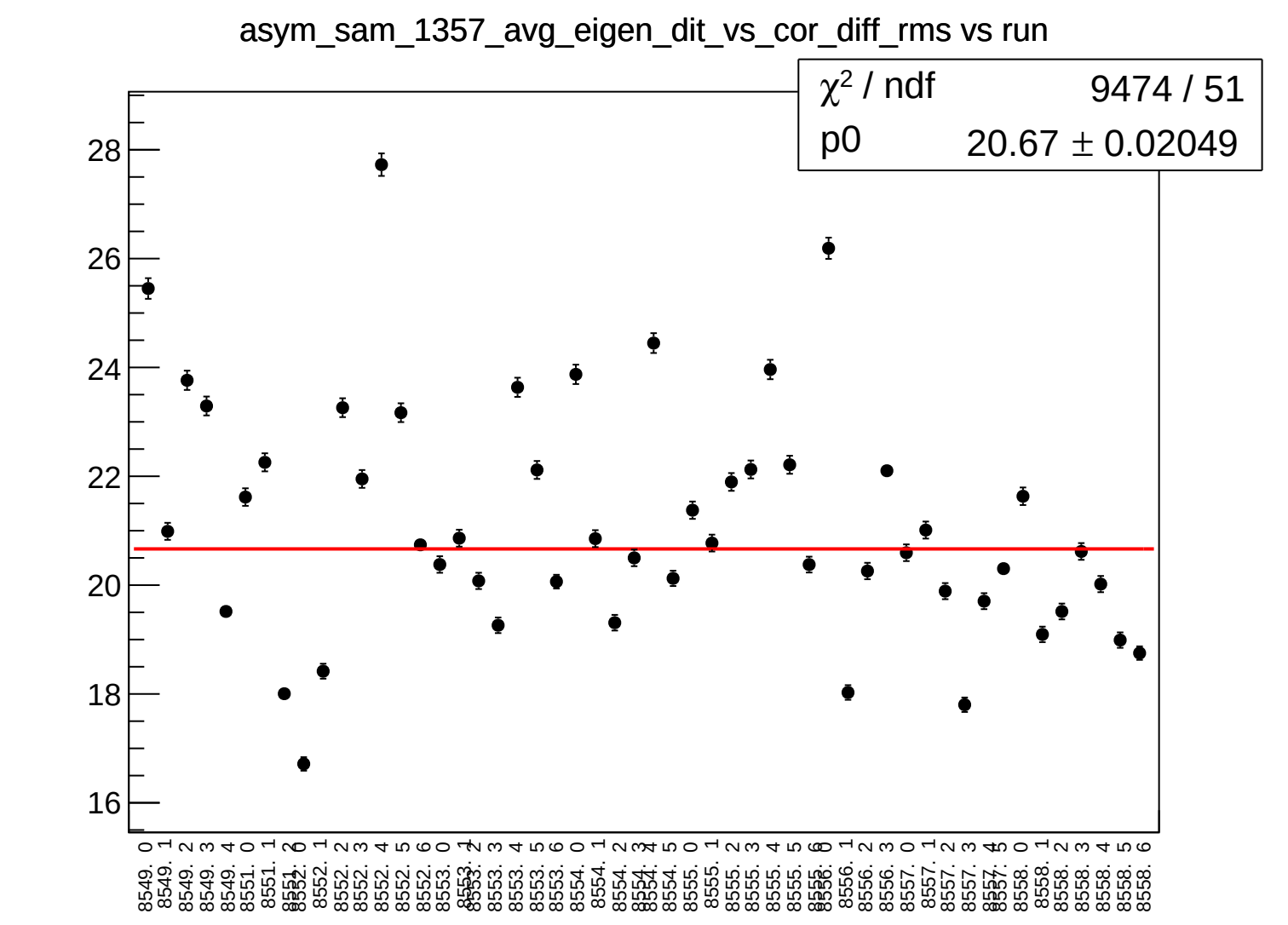

asym_sam_1357_avg_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 78.22 / 51
p0 3.342e−06 ± 8.92e−07
pull
Entries 52
Mean −33.04
Std Dev 0

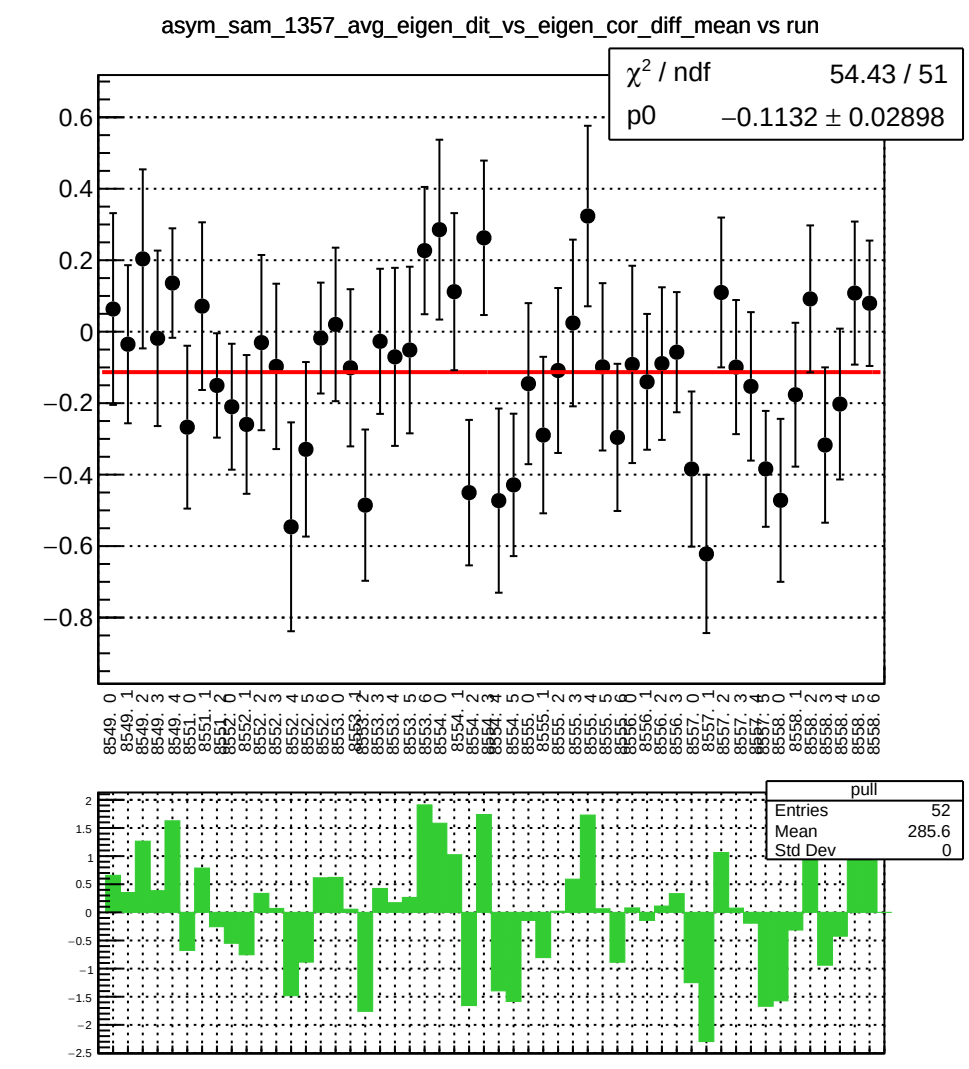

pull1D
Entries 52
Mean 0.03814
Std Dev 1.226

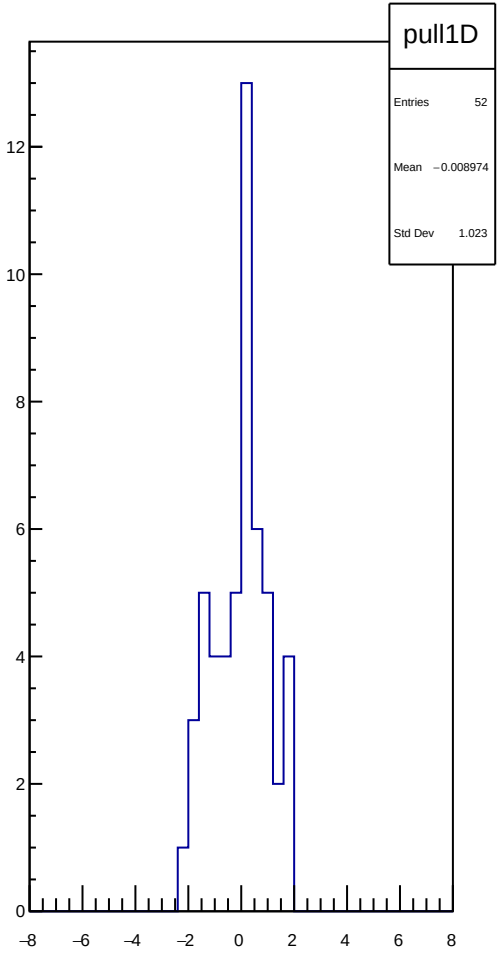

asym_sam_1357_avg_eigen_dit_vs_dit_diff_rms vs run
×10⁻³
0.8
0.75
0.7
0.65
0.6
0.55
χ² / ndf 9354 / 51
p0 0.0006362 ± 6.308e−07

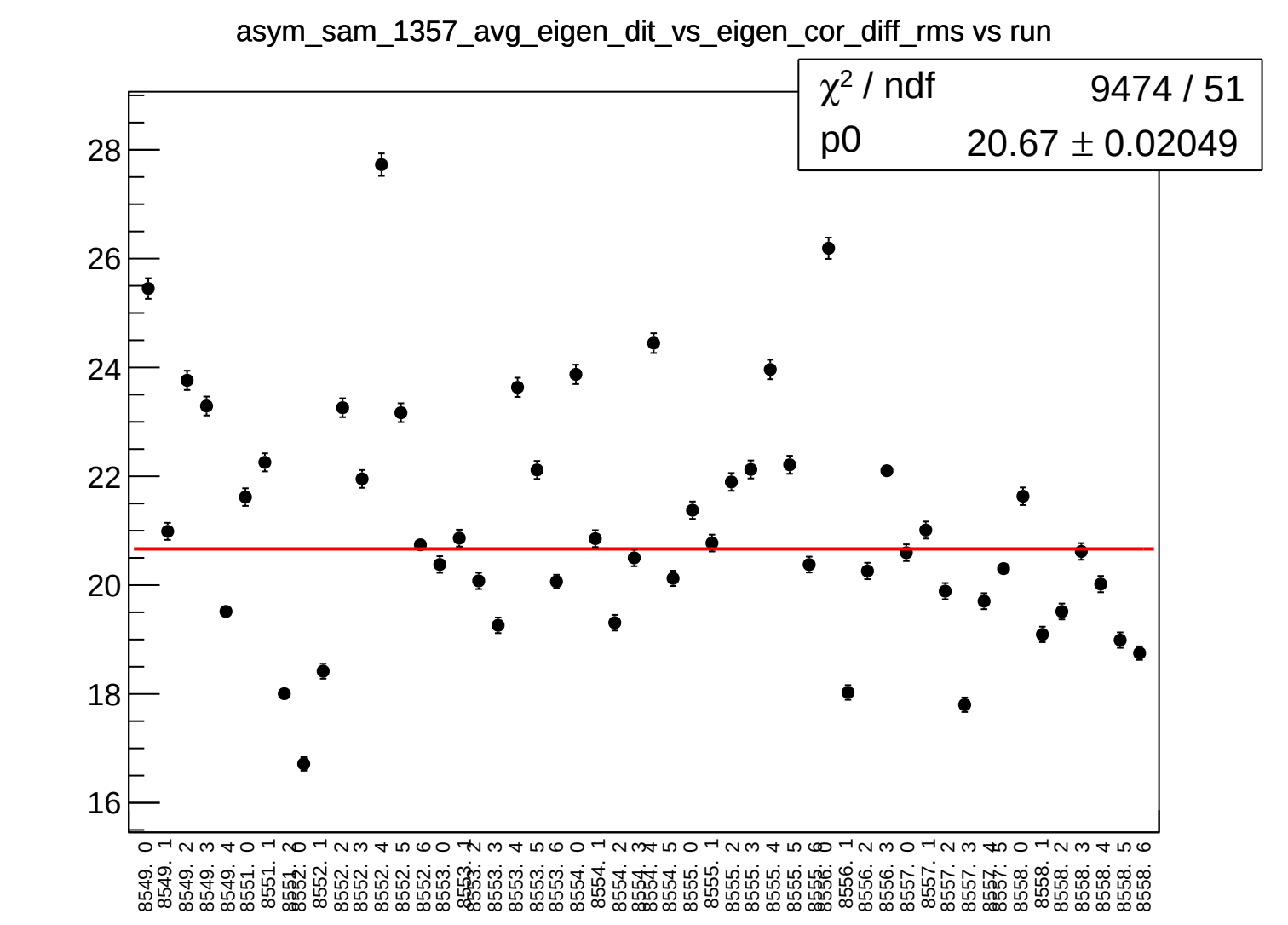

asym_sam_1357_avg_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 54.43 / 51
p0 −0.1132 ± 0.02898
pull
Entries 52
Mean 285.6
Std Dev 0


pull1D
Entries 52
Mean −0.008974
Std Dev 1.023


asym_sam_1357_avg_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 9474 / 51
p0 20.67 ± 0.02049
28
26
24
22
20
18
16
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6


asym_sam_1357_avg_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 54.43 / 51
p0 −0.1132 ± 0.02898
pull
Entries 52
Mean 285.6
Std Dev 0


pull1D
Entries 52
Mean −0.008974
Std Dev 1.023


asym_sam_1357_avg_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 9474 / 51
p0 20.67 ± 0.02049
28
26
24
22
20
18
16
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 5
8555. 0
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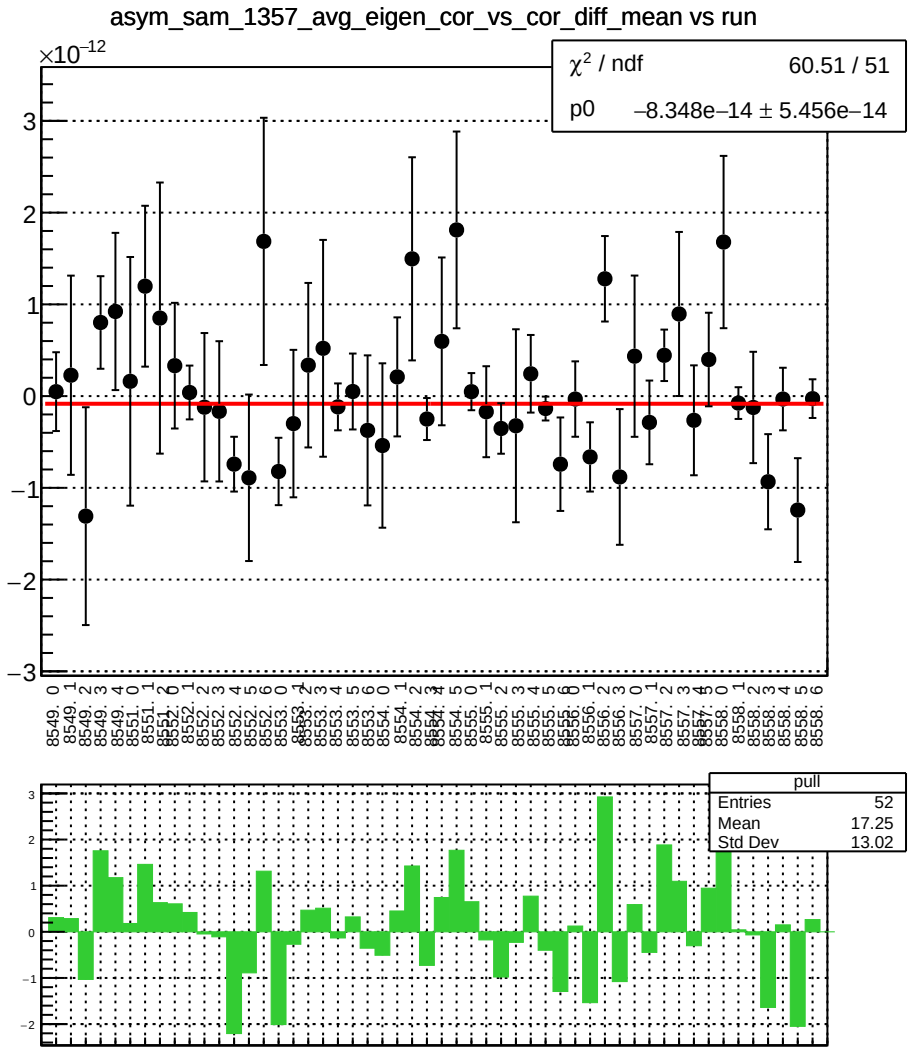
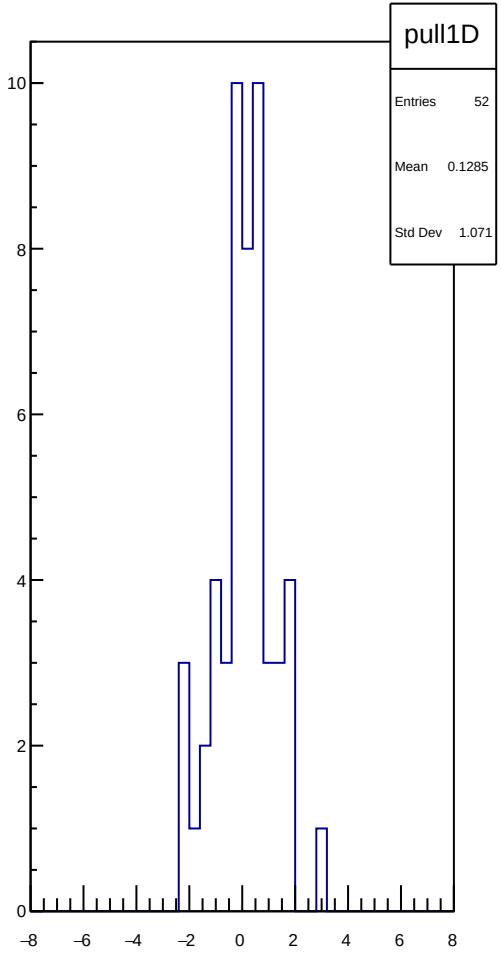
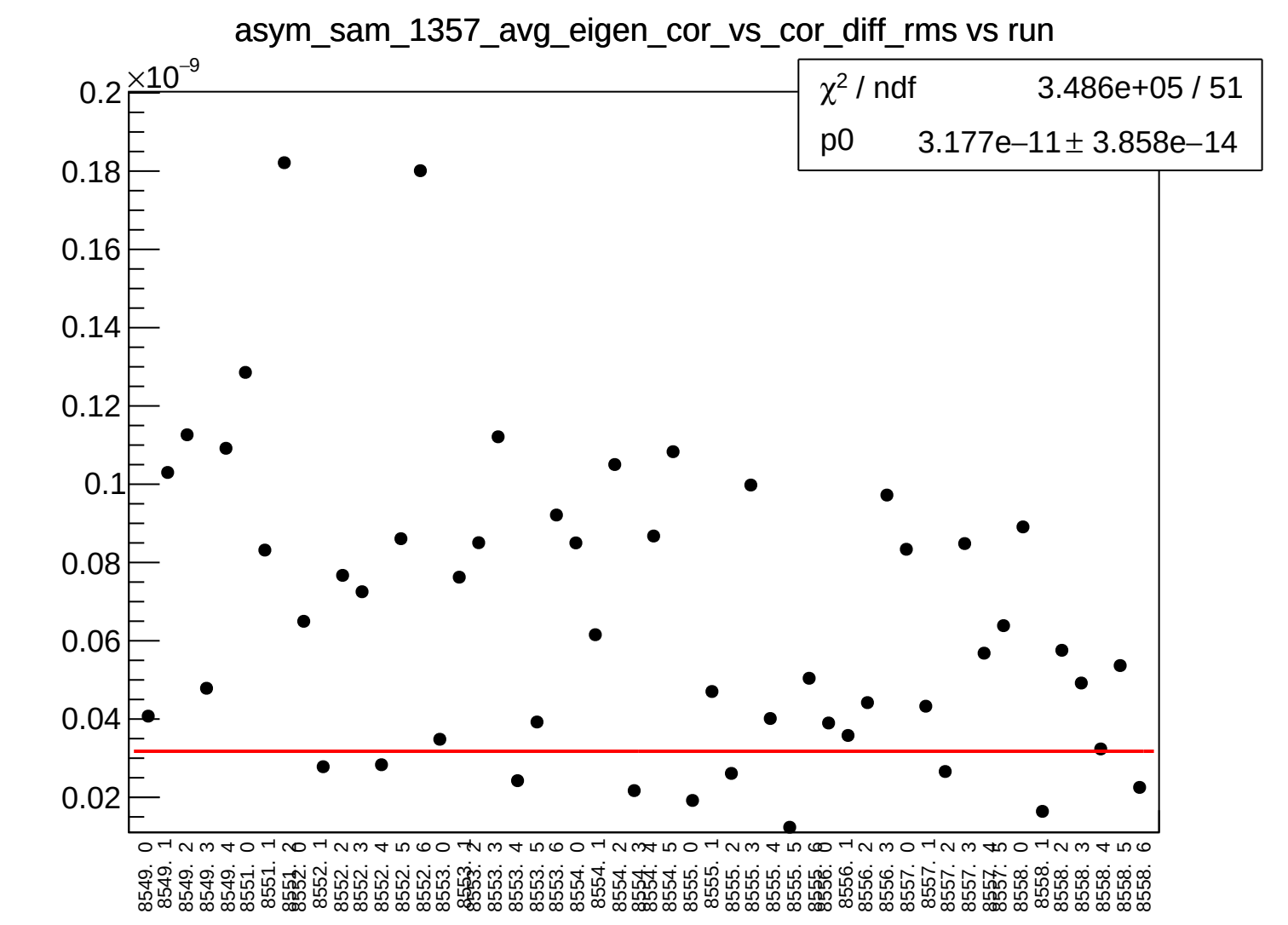
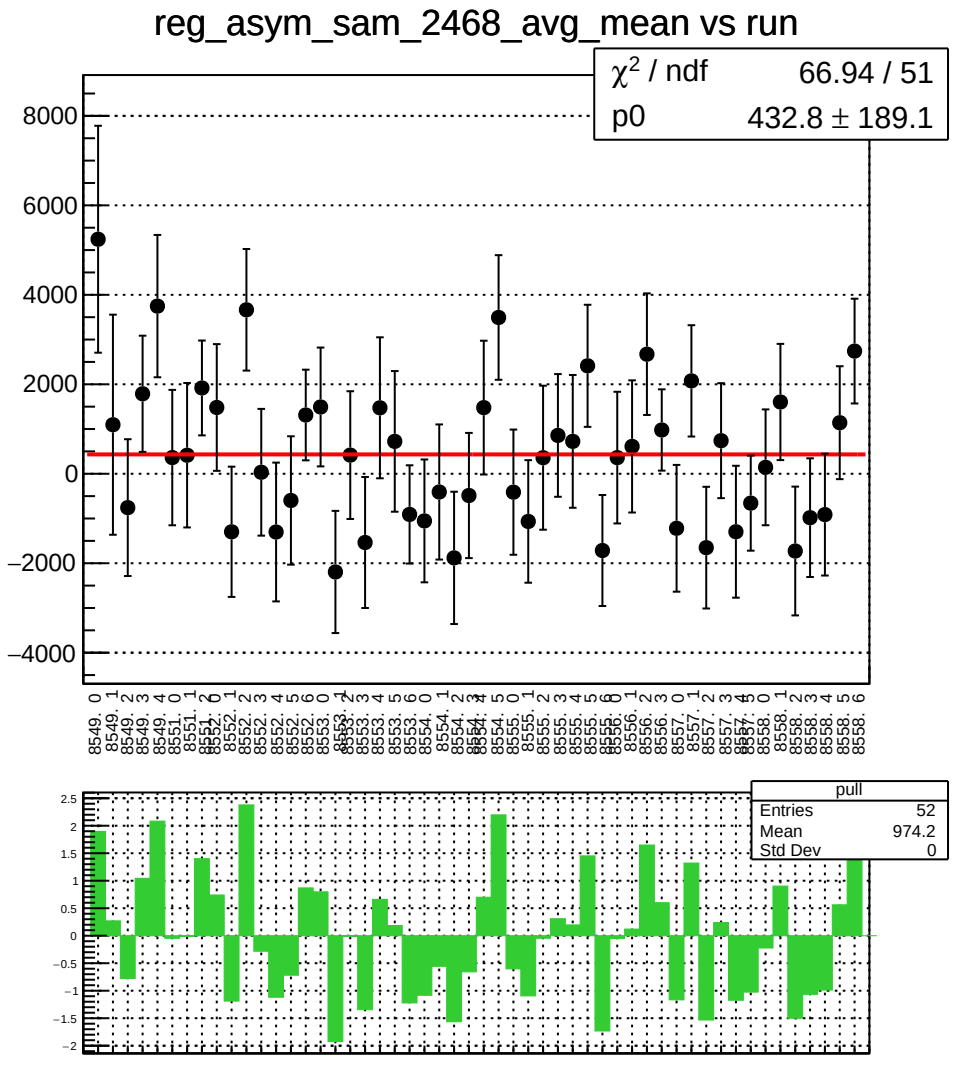
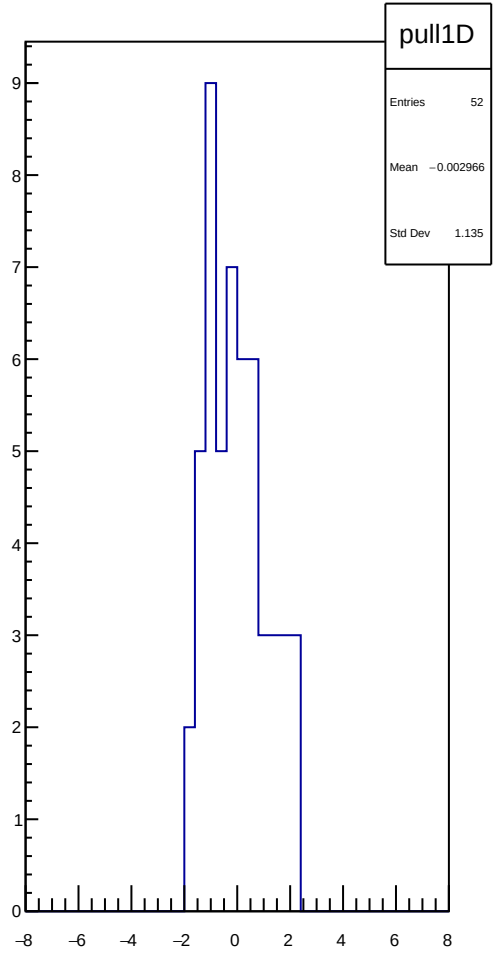
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

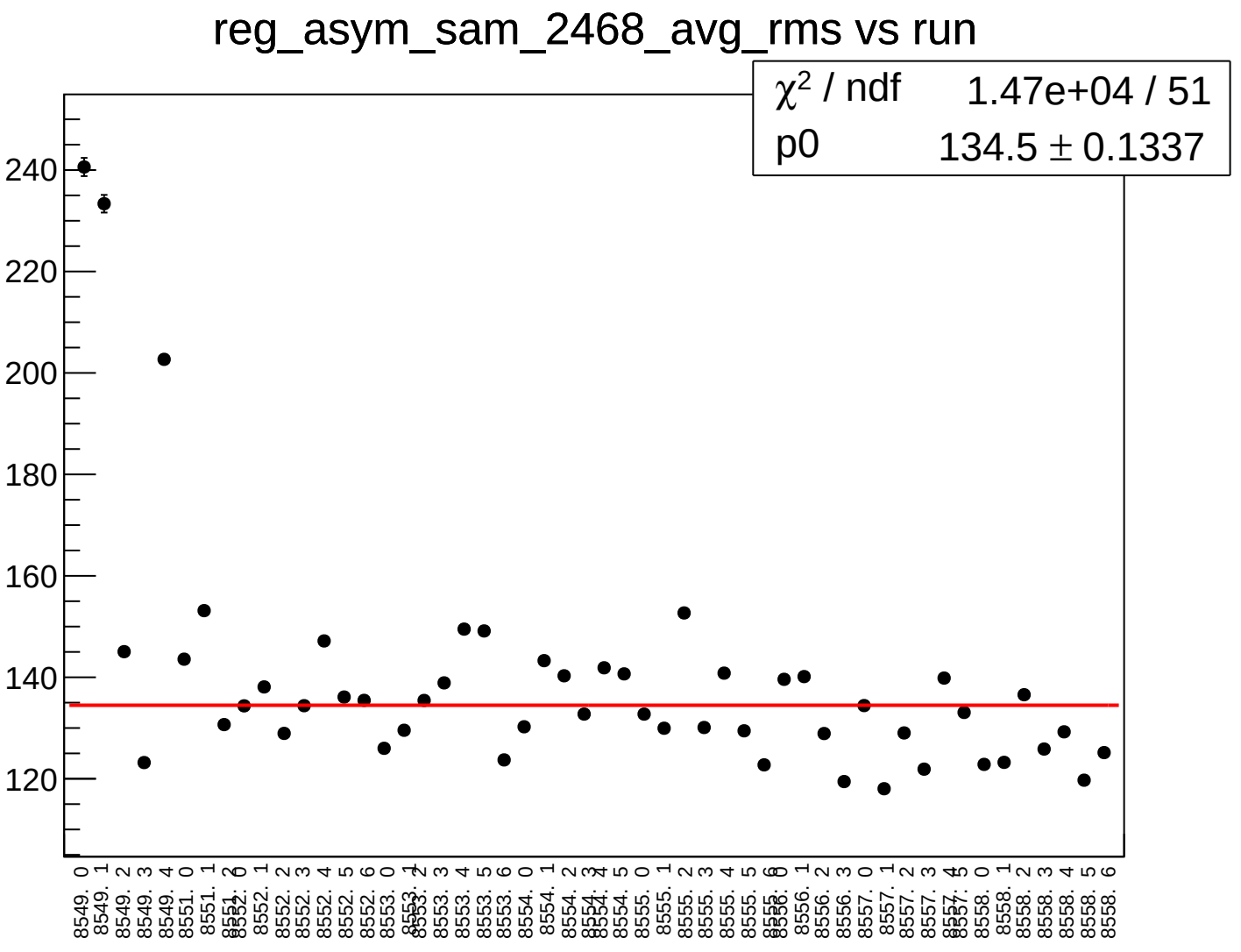

asym_sam_1357_avg_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 60.51 / 51
p0 −8.348e−14 ± 5.456e−14
pull
Entries 52
Mean 17.25
Std Dev 13.02


pull1D
Entries 52
Mean 0.1285
Std Dev 1.071


asym_sam_1357_avg_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 3.486e+05 / 51
p0 3.177e−11 ± 3.858e−14
0.2
0.18
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 0
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 2
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 5
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6


reg_asym_sam_2468_avg_mean vs run
χ² / ndf 66.94 / 51
p0 432.8 ± 189.1
pull
Entries 52
Mean 974.2
Std Dev 0


pull1D
Entries 52
Mean −0.002966
Std Dev 1.135


reg_asym_sam_2468_avg_rms vs run
χ² / ndf 1.47e+04 / 51
p0 134.5 ± 0.1337
240
220
200
180
160
140
120
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 5
8555. 0
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8557. 0
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8557. 3
8558. 0
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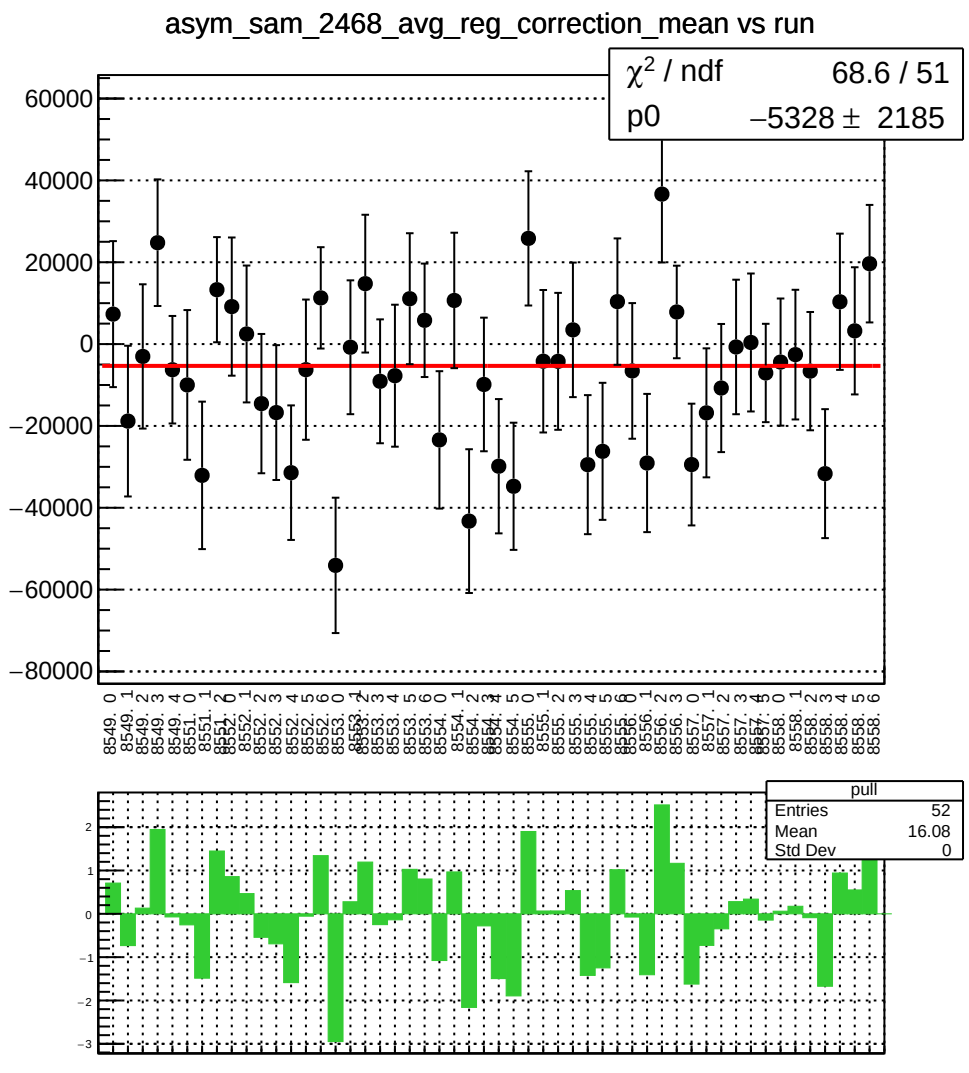
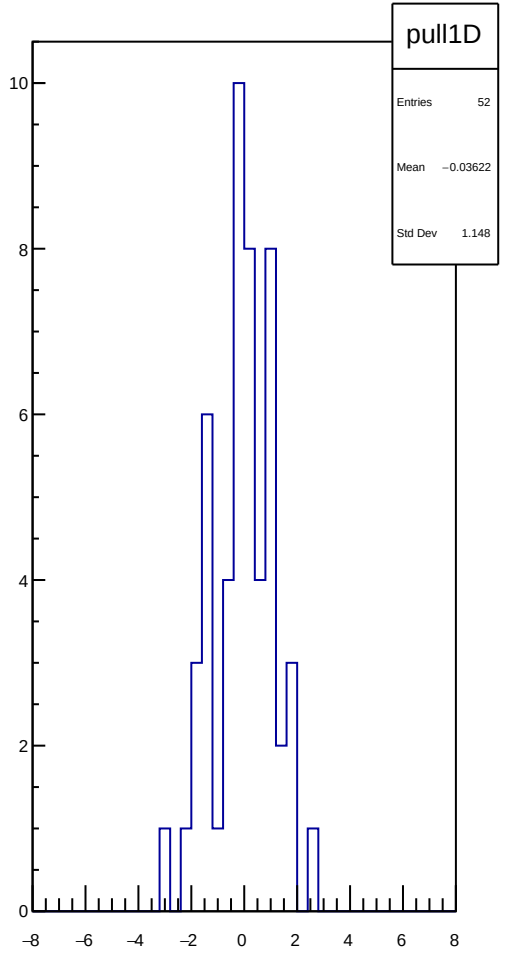
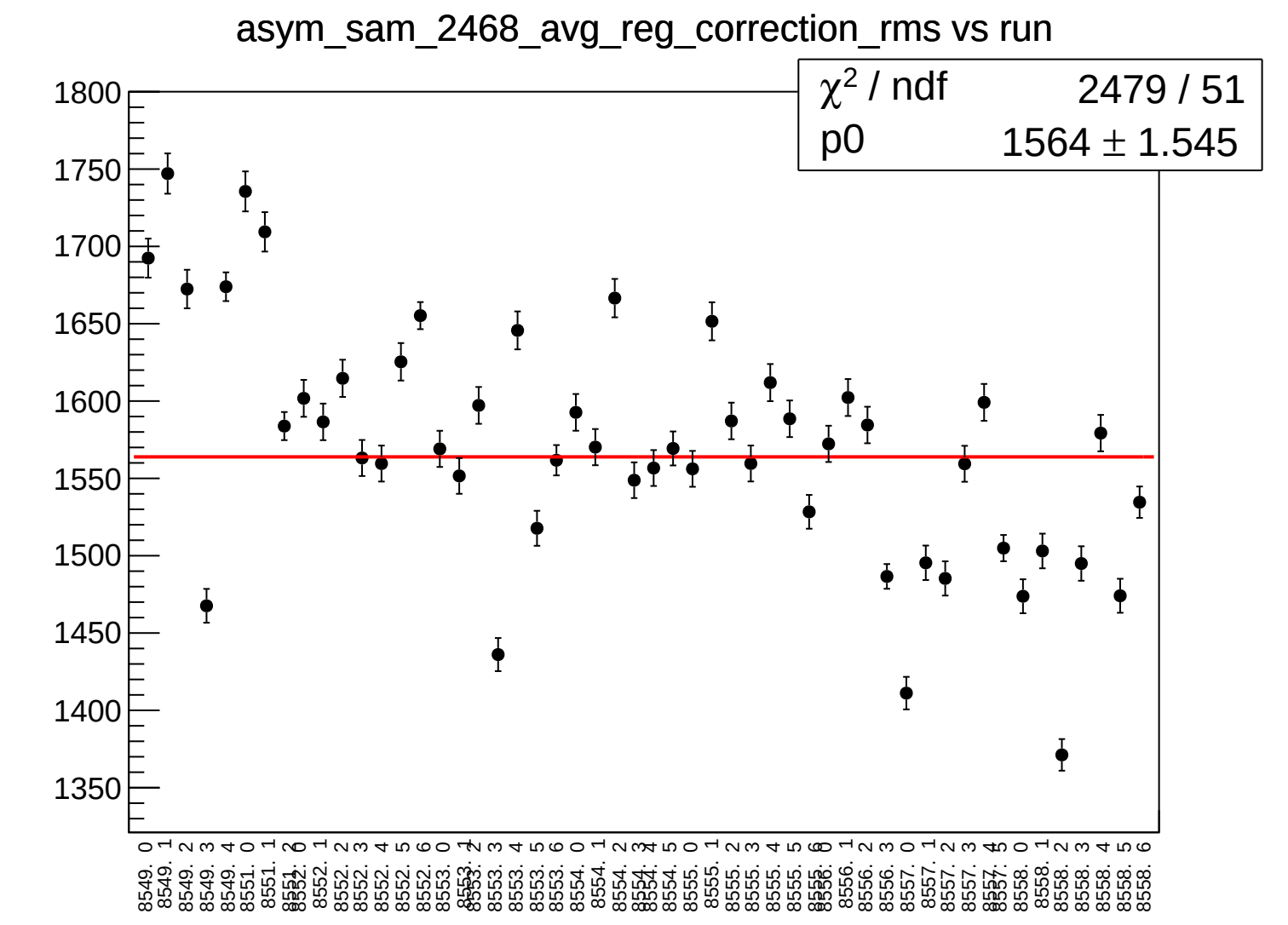
8558. 6


asym_sam_2468_avg_reg_correction_mean vs run
χ² / ndf 68.6 / 51
p0 −5328 ± 2185
pull
Entries 52
Mean 16.08
Std Dev 0


pull1D
Entries 52
Mean −0.03622
Std Dev 1.148


asym_sam_2468_avg_reg_correction_rms vs run
χ² / ndf 2479 / 51
p0 1564 ± 1.545
1800
1750
1700
1650
1600
1550
1500
1450
1400
1350
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
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8555. 0
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8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
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8557. 0
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8557. 2
8557. 3
8558. 0
8558. 1
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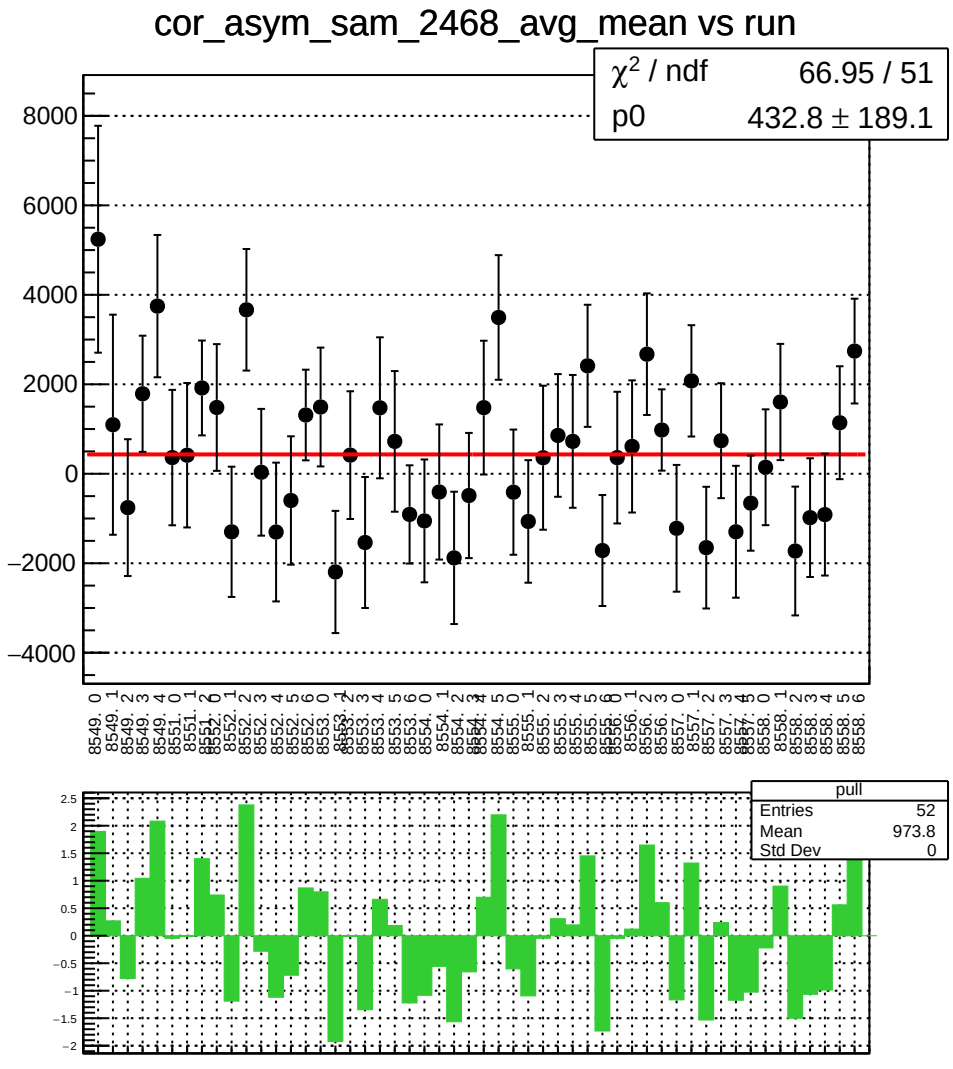
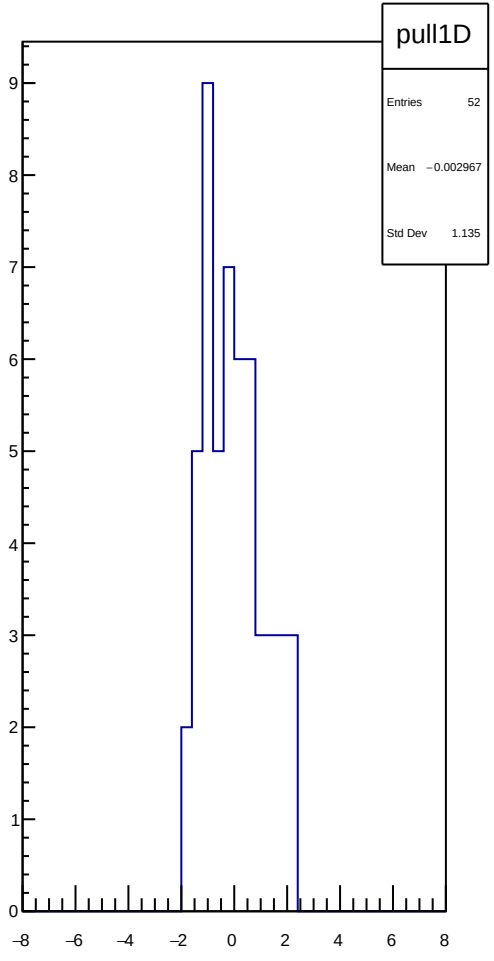
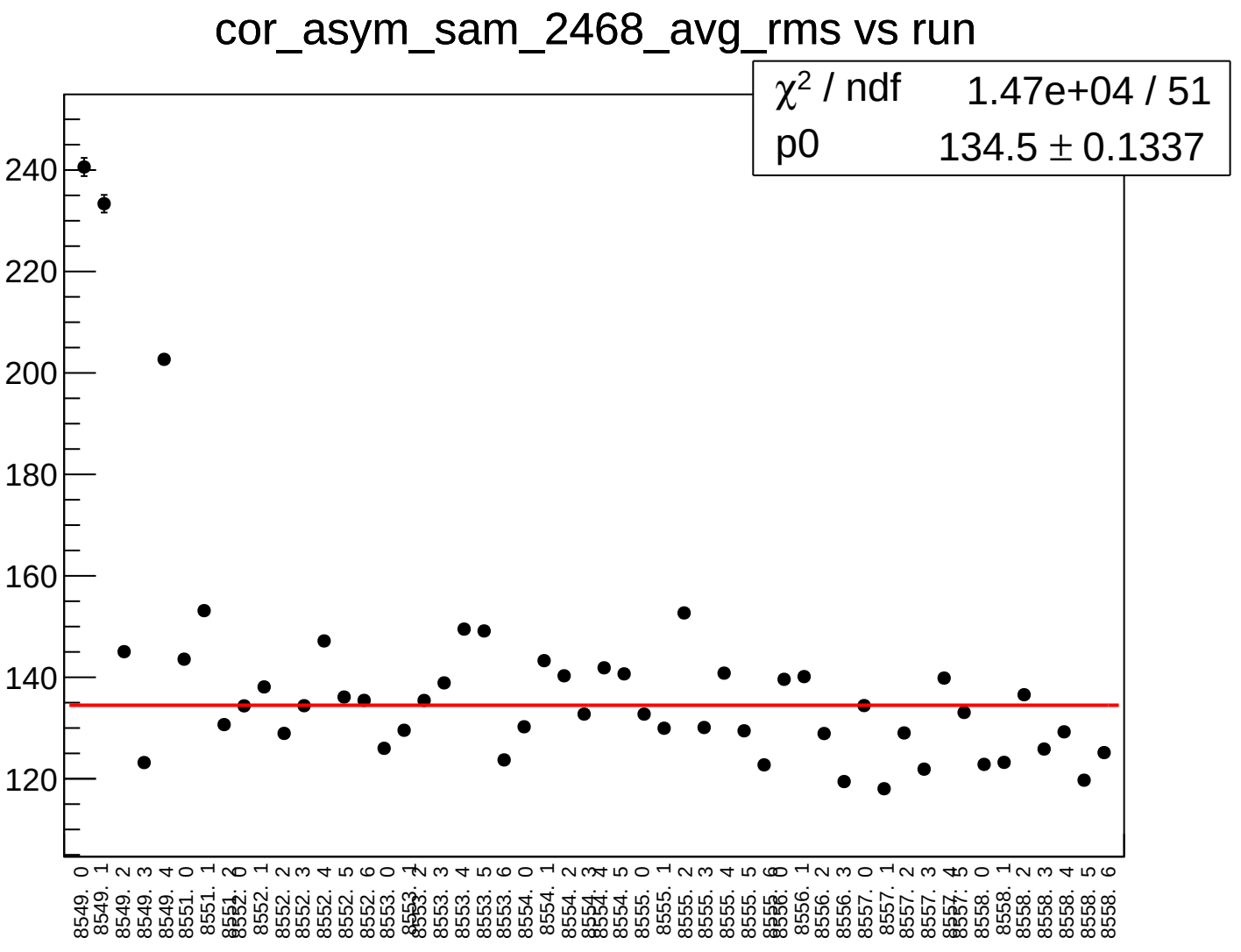

cor_asym_sam_2468_avg_mean vs run
χ² / ndf 66.95 / 51
p0 432.8 ± 189.1
pull
Entries 52
Mean 973.8
Std Dev 0


pull1D
Entries 52
Mean −0.002967
Std Dev 1.135


cor_asym_sam_2468_avg_rms vs run
χ² / ndf 1.47e+04 / 51
p0 134.5 ± 0.1337
240
220
200
180
160
140
120
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
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8553. 0
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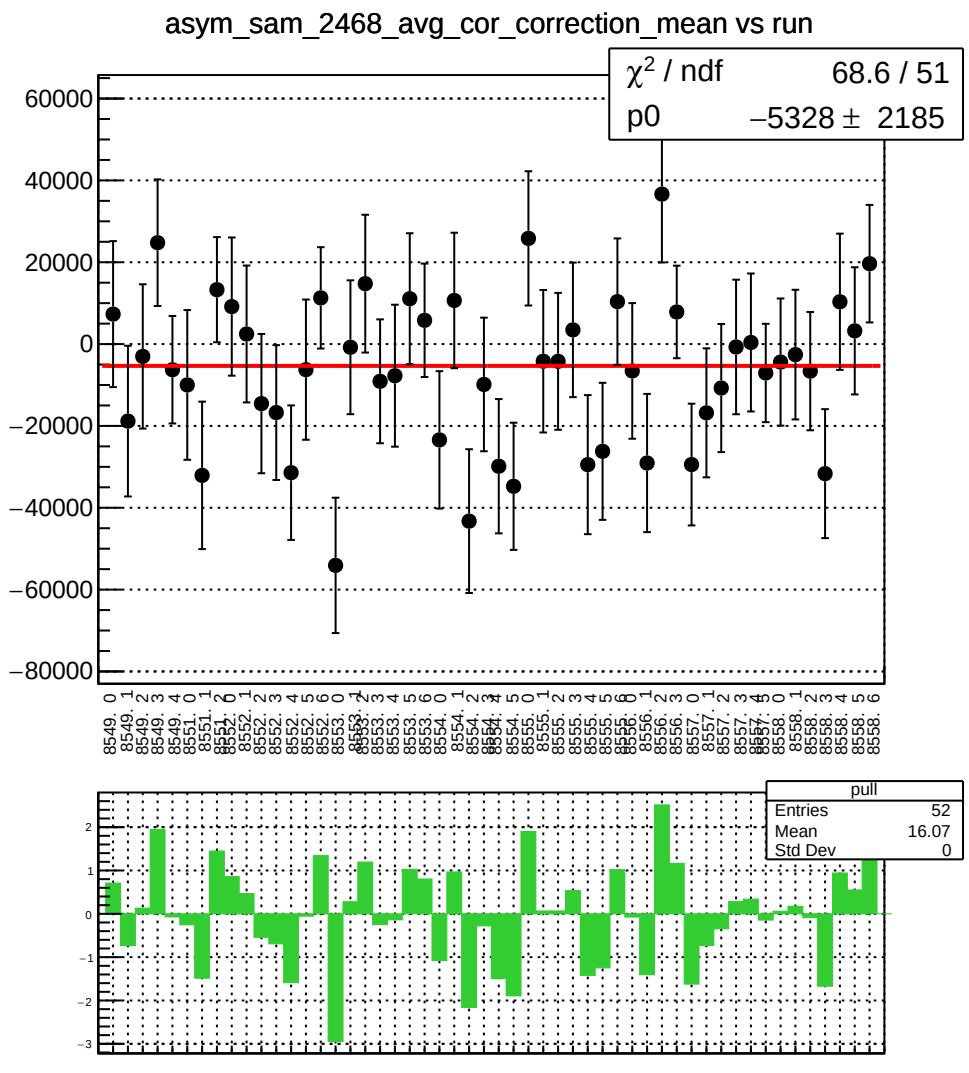
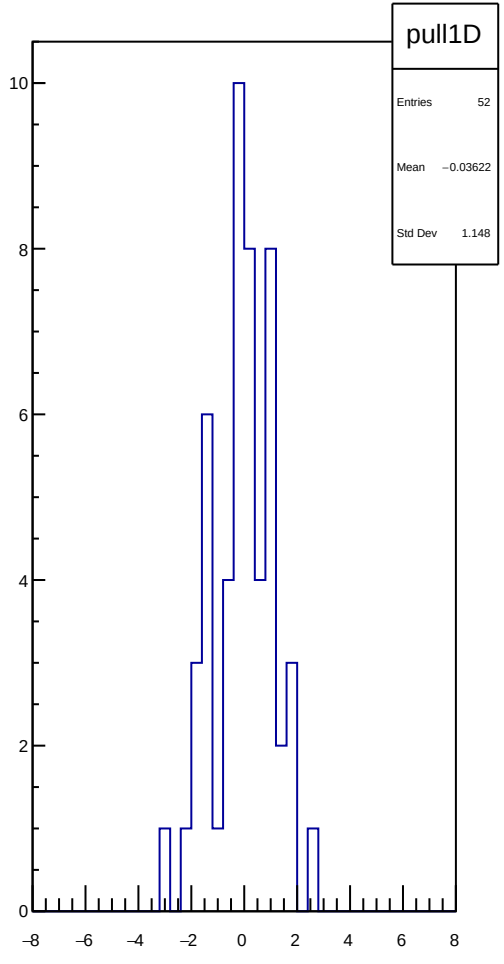
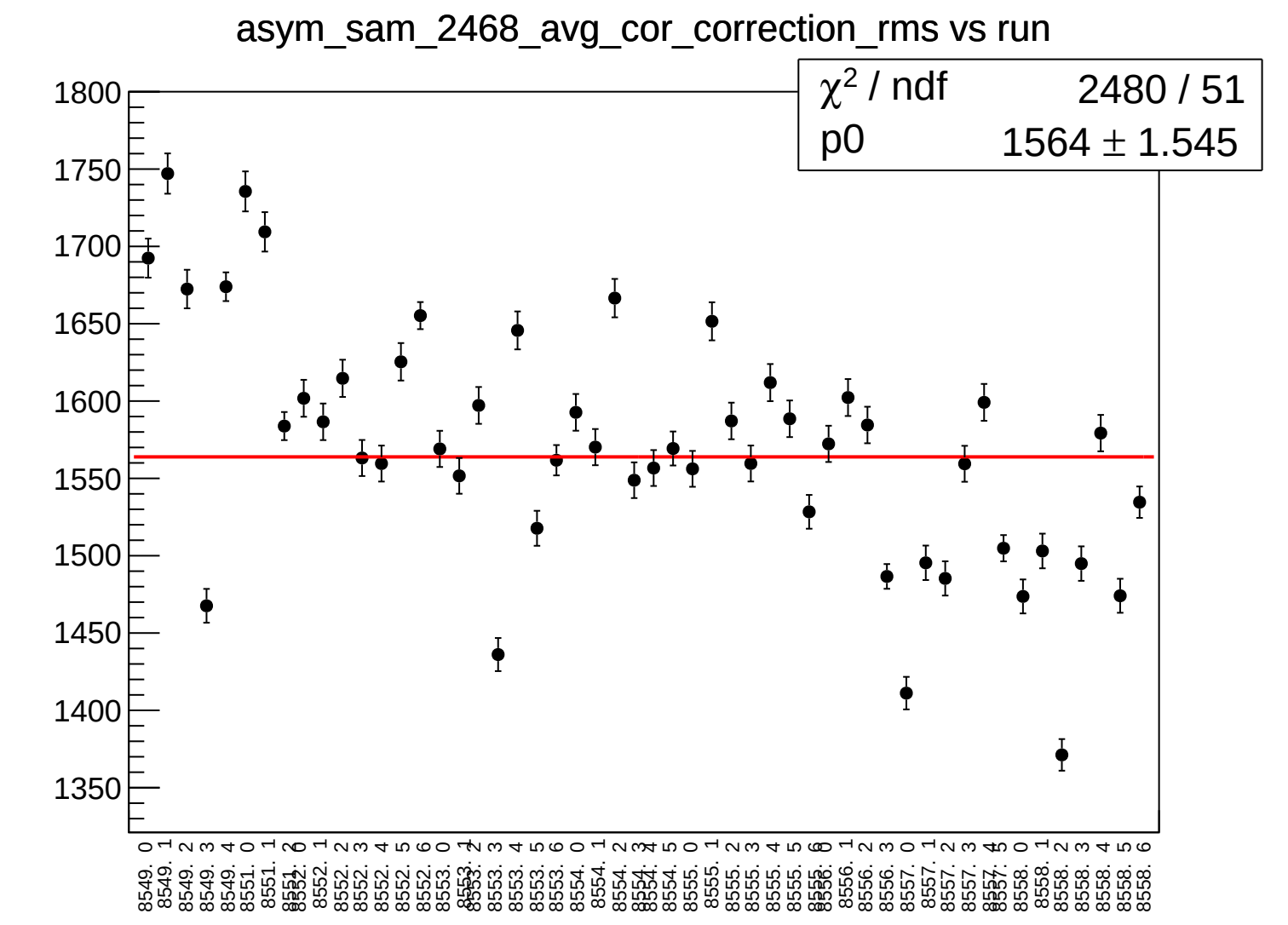

asym_sam_2468_avg_cor_correction_mean vs run
χ² / ndf 68.6 / 51
p0 −5328 ± 2185
pull
Entries 52
Mean 16.07
Std Dev 0


pull1D
Entries 52
Mean −0.03622
Std Dev 1.148


asym_sam_2468_avg_cor_correction_rms vs run
χ² / ndf 2480 / 51
p0 1564 ± 1.545
1800
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8549. 3
8549. 4
8551. 0
8551. 1
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8552. 2
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8552. 4
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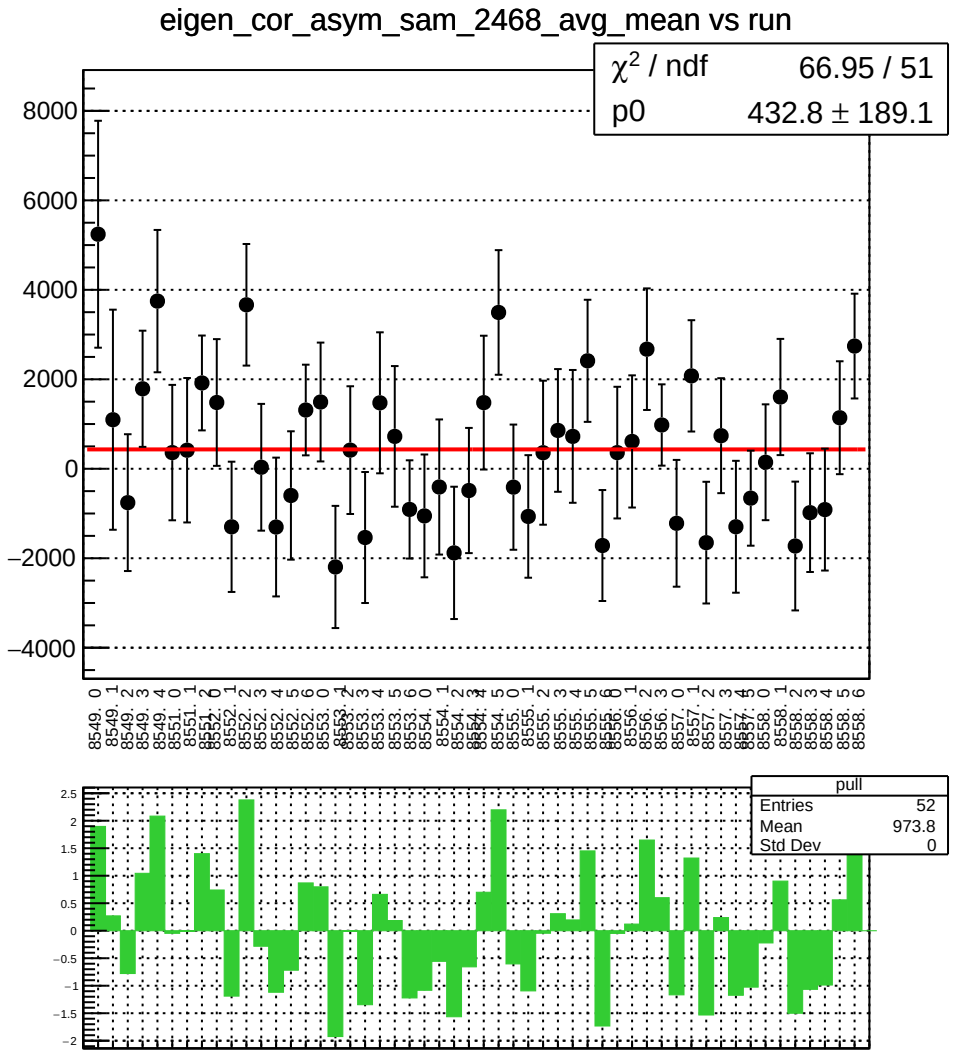
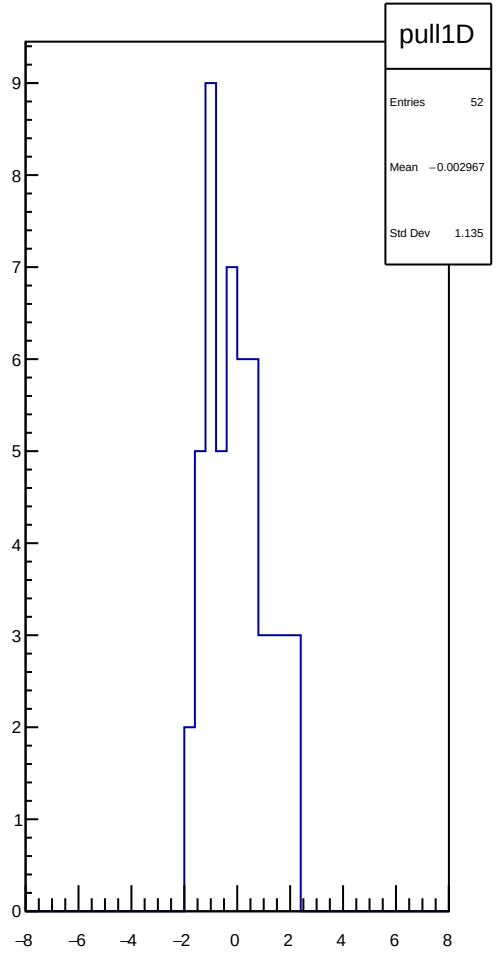
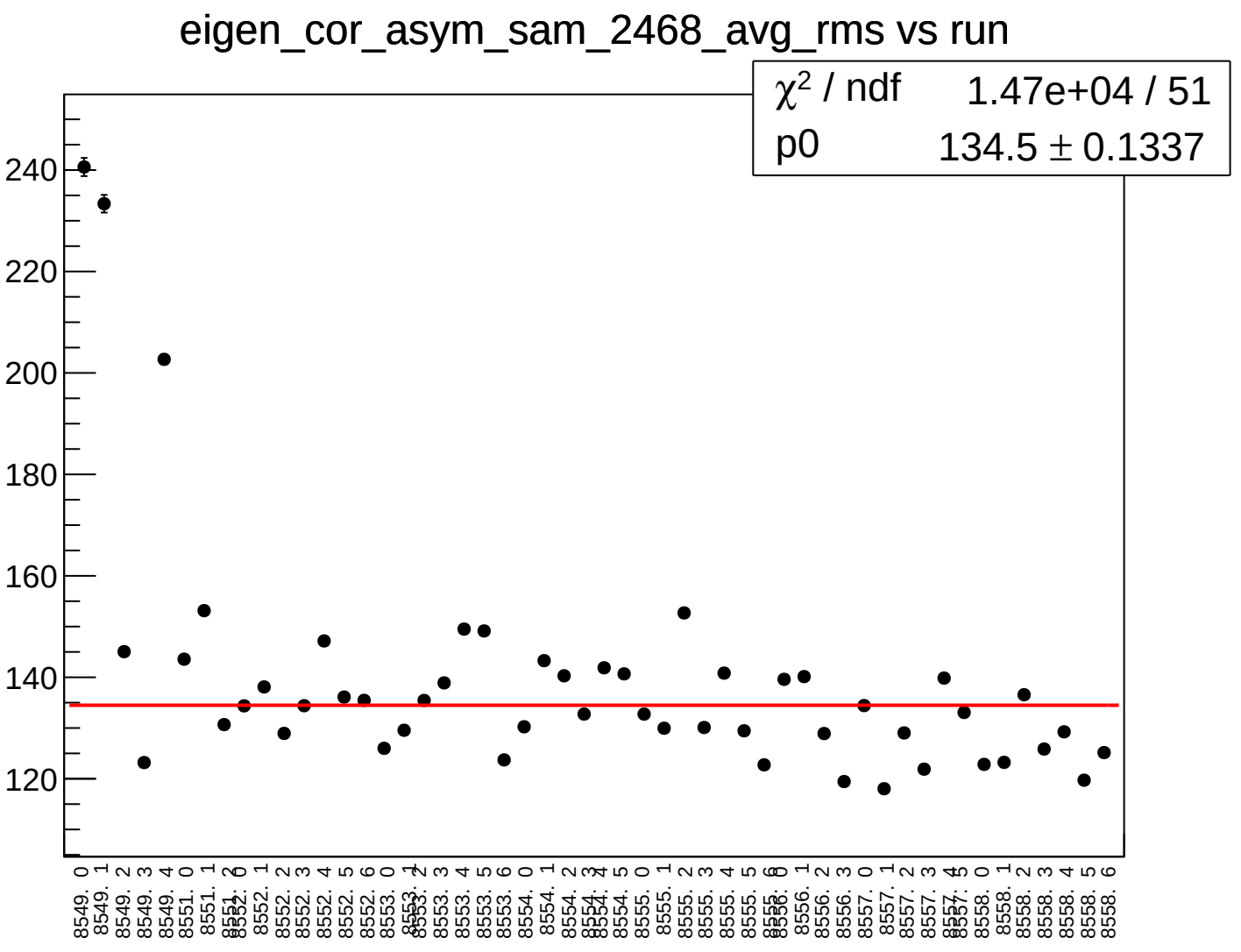

eigen_cor_asym_sam_2468_avg_mean vs run
χ² / ndf 66.95 / 51
p0 432.8 ± 189.1
pull
Entries 52
Mean 973.8
Std Dev 0


pull1D
Entries 52
Mean −0.002967
Std Dev 1.135


eigen_cor_asym_sam_2468_avg_rms vs run
χ² / ndf 1.47e+04 / 51
p0 134.5 ± 0.1337
240
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8549. 0
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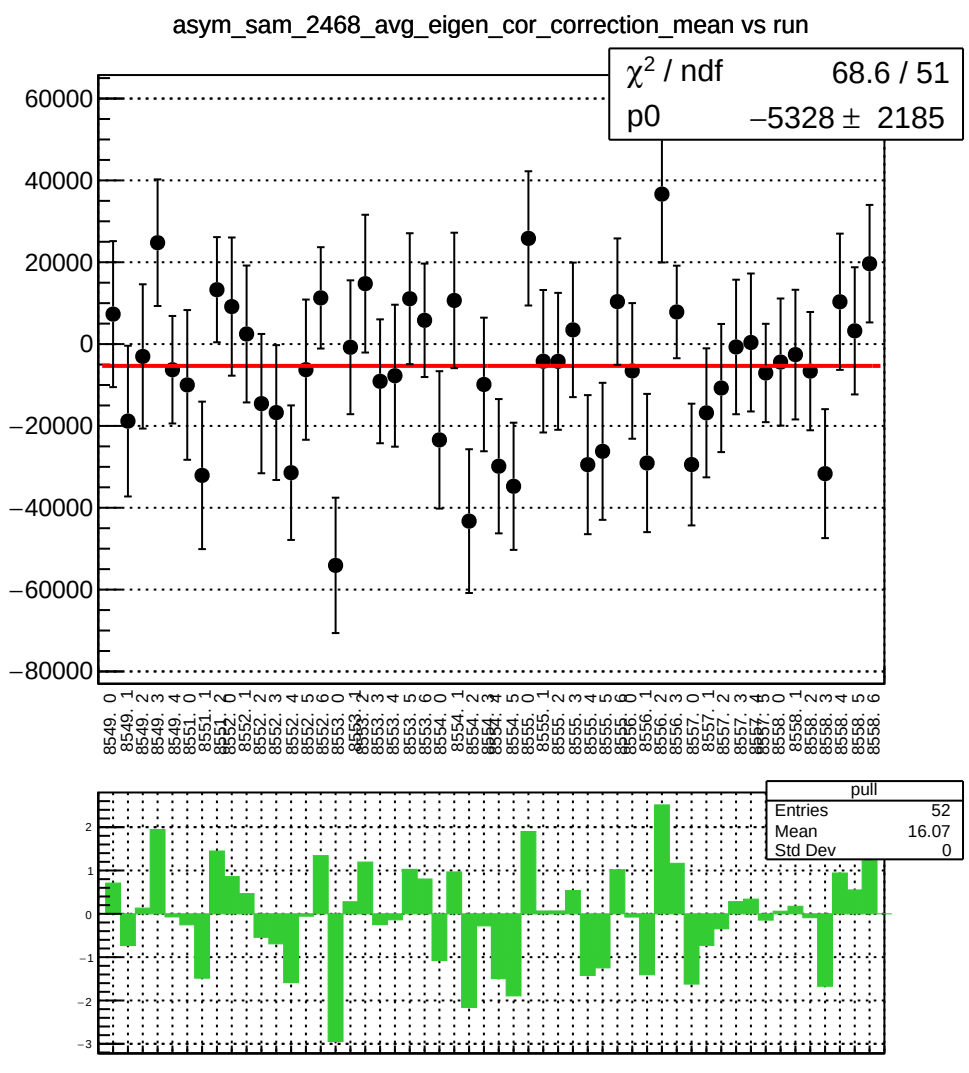
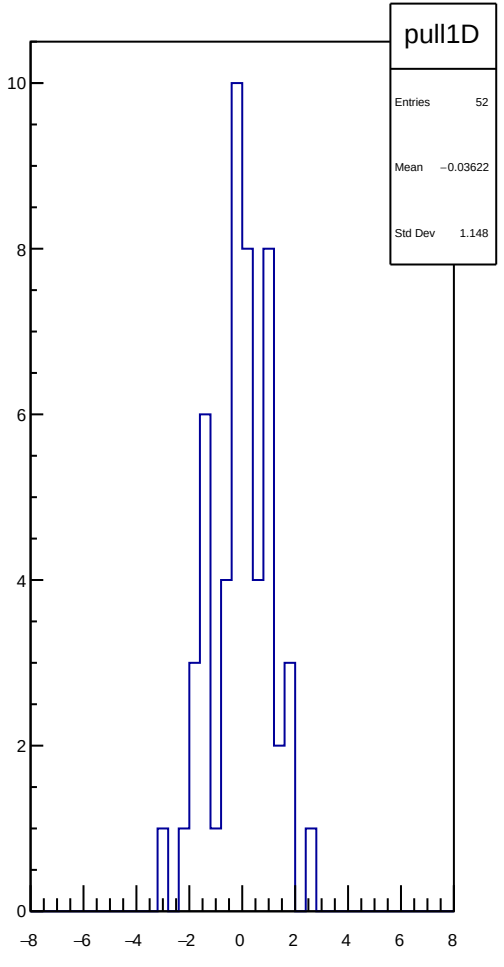
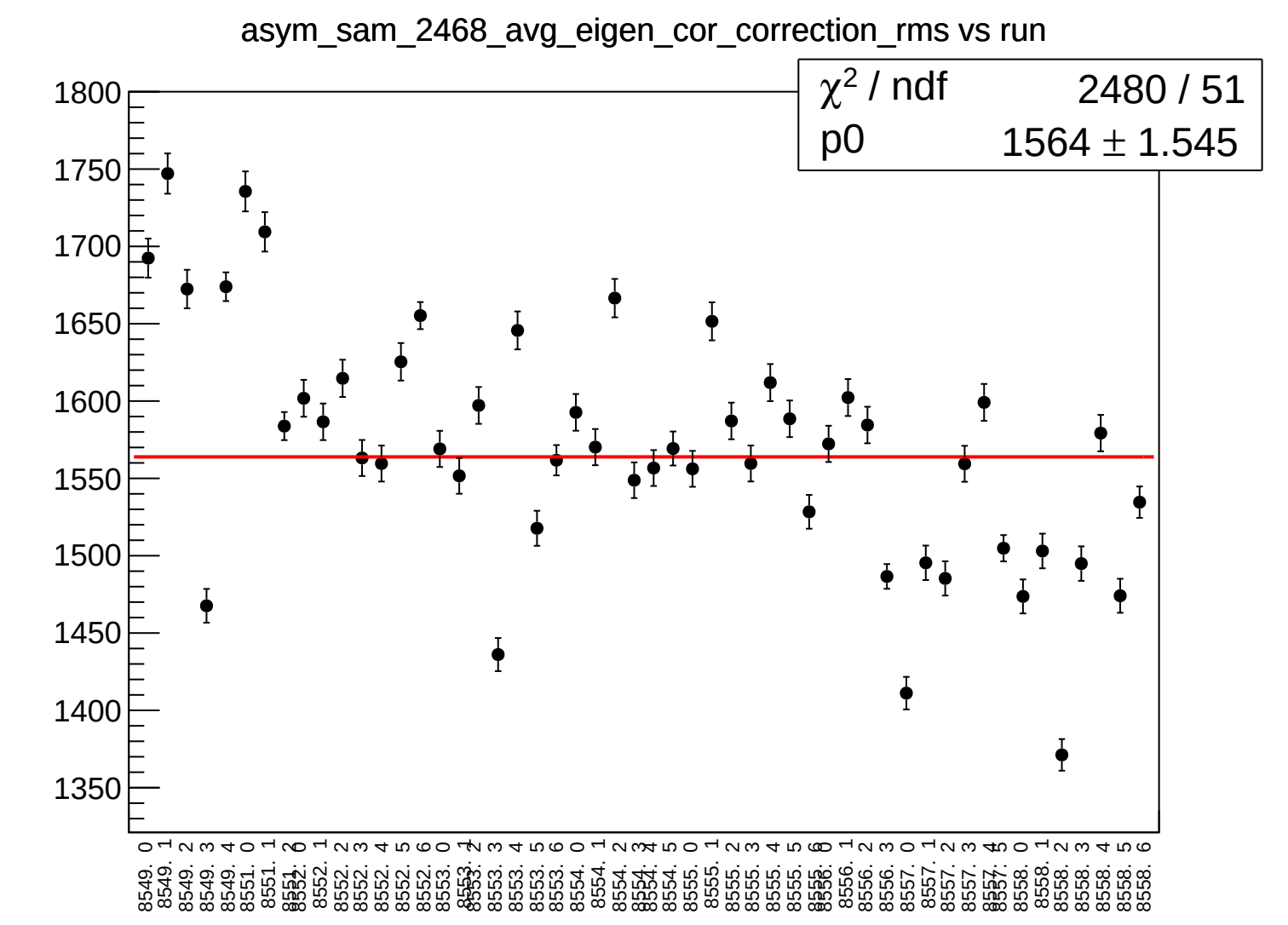

asym_sam_2468_avg_eigen_cor_correction_mean vs run
χ² / ndf 68.6 / 51
p0 −5328 ± 2185
pull
Entries 52
Mean 16.07
Std Dev 0


pull1D
Entries 52
Mean −0.03622
Std Dev 1.148


asym_sam_2468_avg_eigen_cor_correction_rms vs run
χ² / ndf 2480 / 51
p0 1564 ± 1.545
1800
1750
1700
1650
1600
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1500
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1400
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8549. 0
8549. 1
8549. 2
8549. 3
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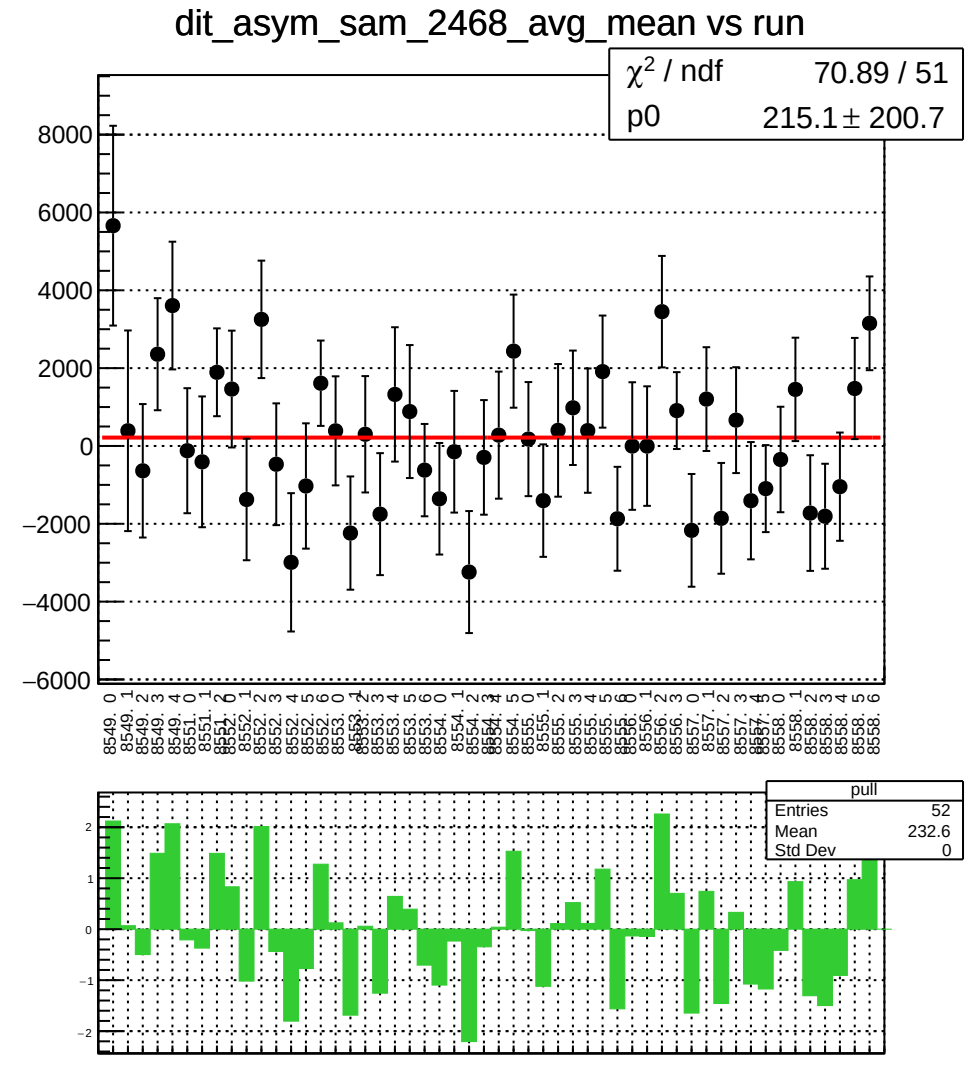
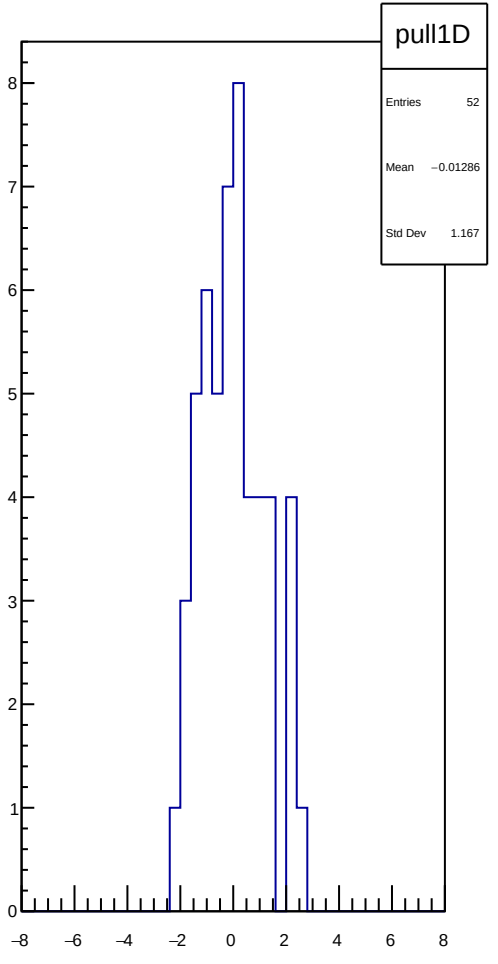
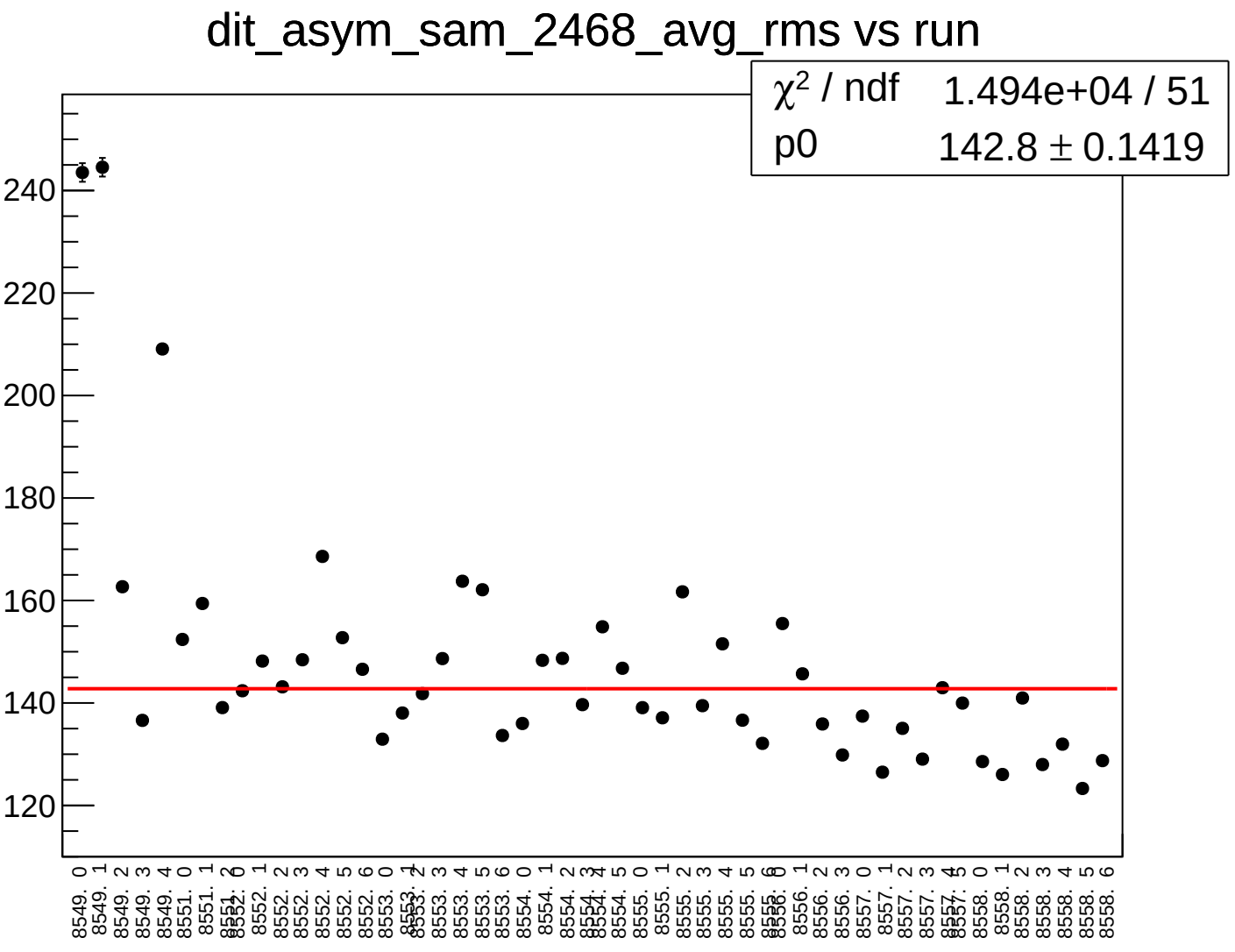

dit_asym_sam_2468_avg_mean vs run
χ^2 / ndf 70.89 / 51
p0 215.1 ± 200.7
pull
Entries 52
Mean 232.6
Std Dev 0


pull1D
Entries 52
Mean −0.01286
Std Dev 1.167


dit_asym_sam_2468_avg_rms vs run
χ² / ndf 1.494e+04 / 51
p0 142.8 ± 0.1419
240
220
200
180
160
140
120
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
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8553. 0
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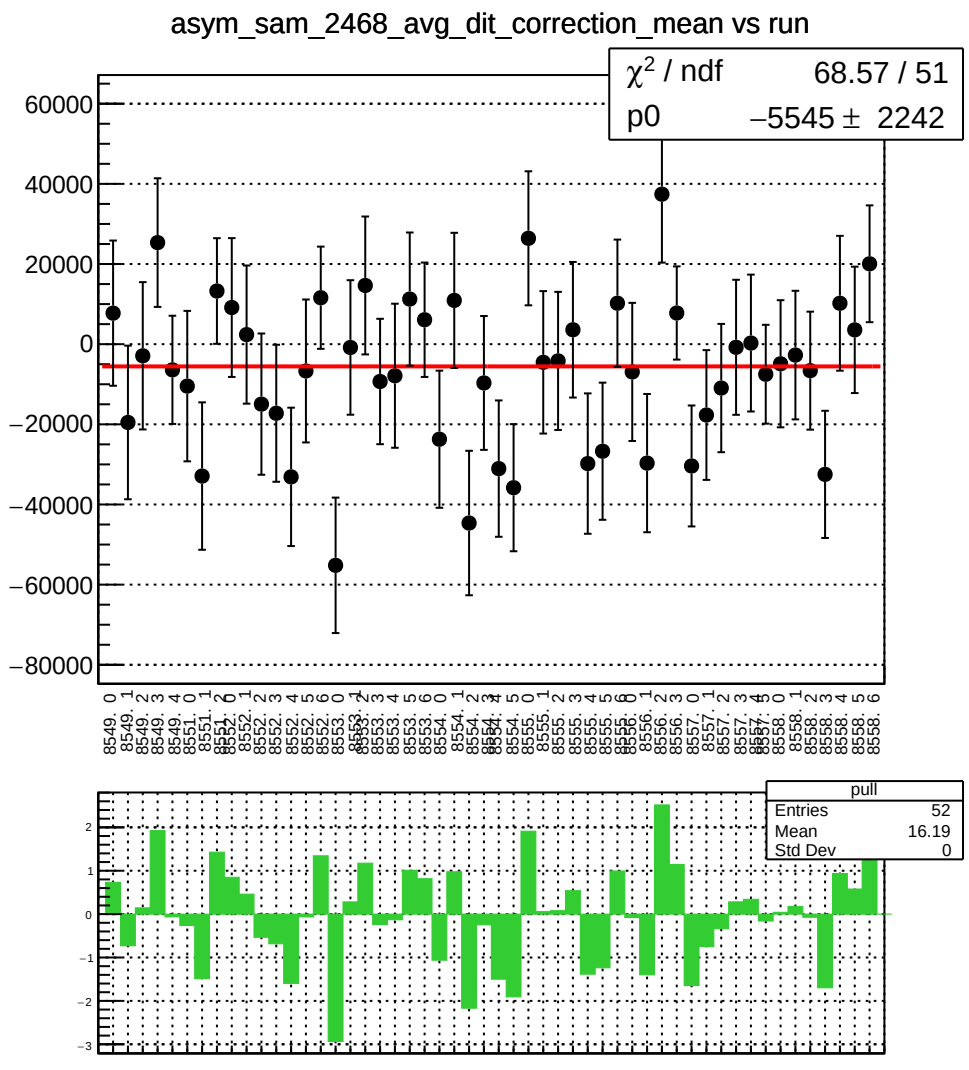
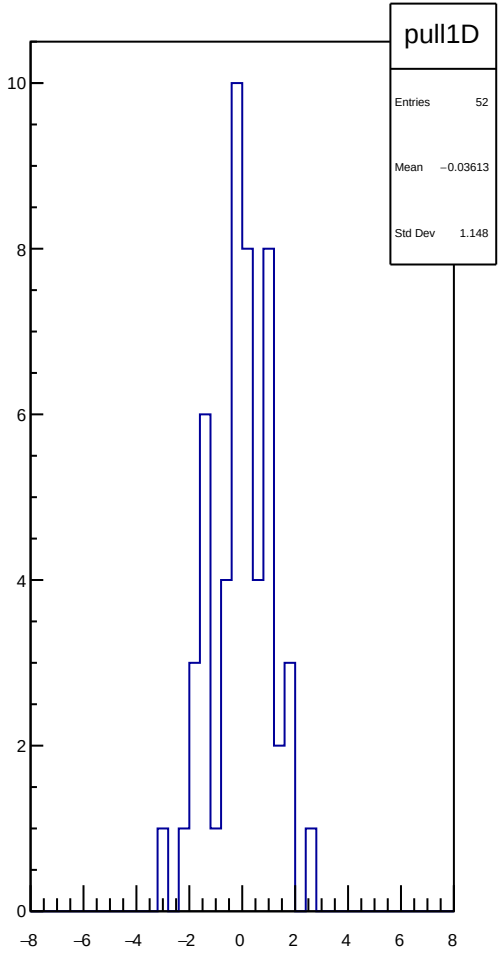
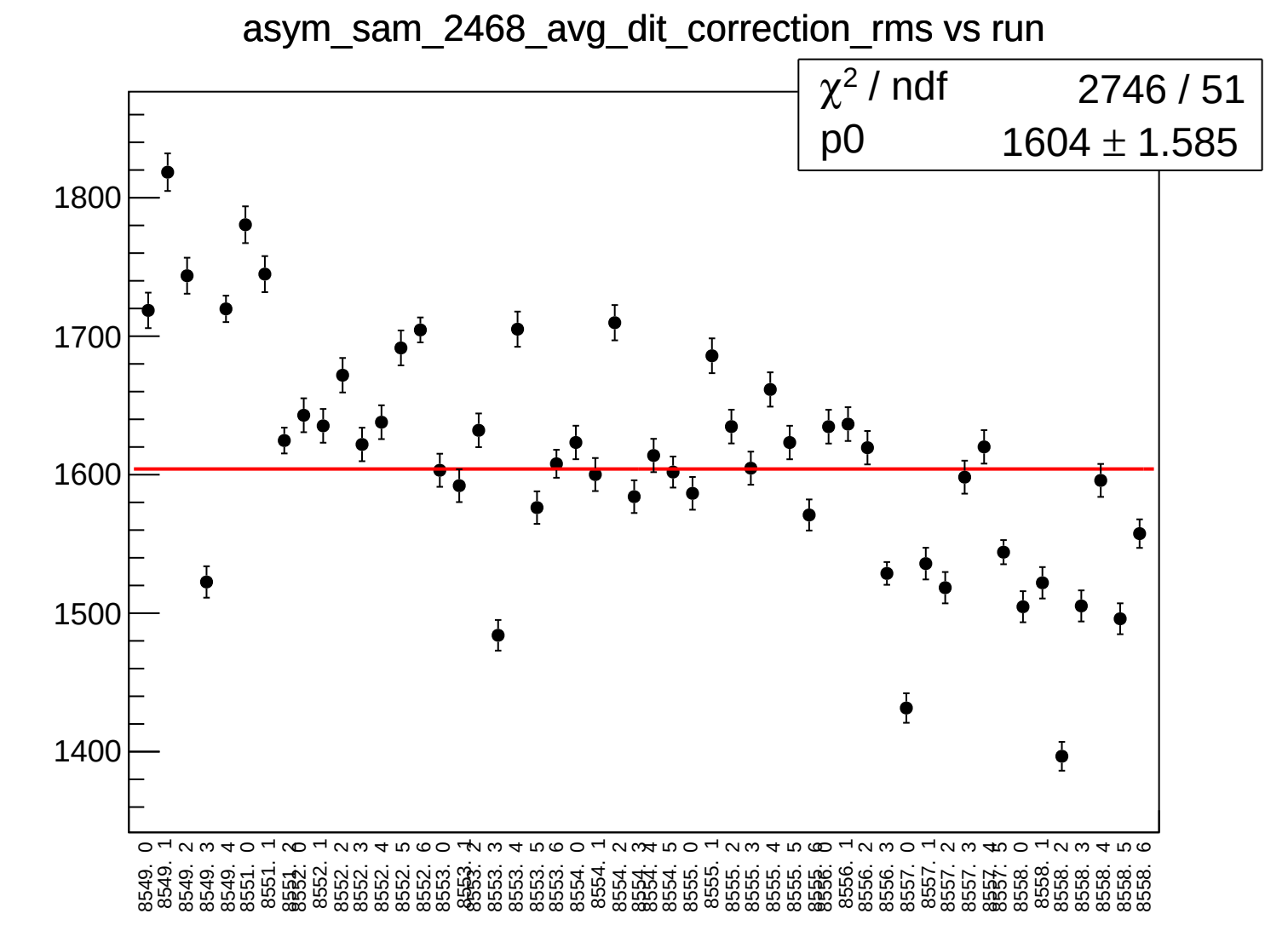

asym_sam_2468_avg_dit_correction_mean vs run
χ² / ndf 68.57 / 51
p0 −5545 ± 2242
pull
Entries 52
Mean 16.19
Std Dev 0


pull1D
Entries 52
Mean −0.03613
Std Dev 1.148


asym_sam_2468_avg_dit_correction_rms vs run
χ² / ndf 2746 / 51
p0 1604 ± 1.585
1800
1700
1600
1500
1400
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
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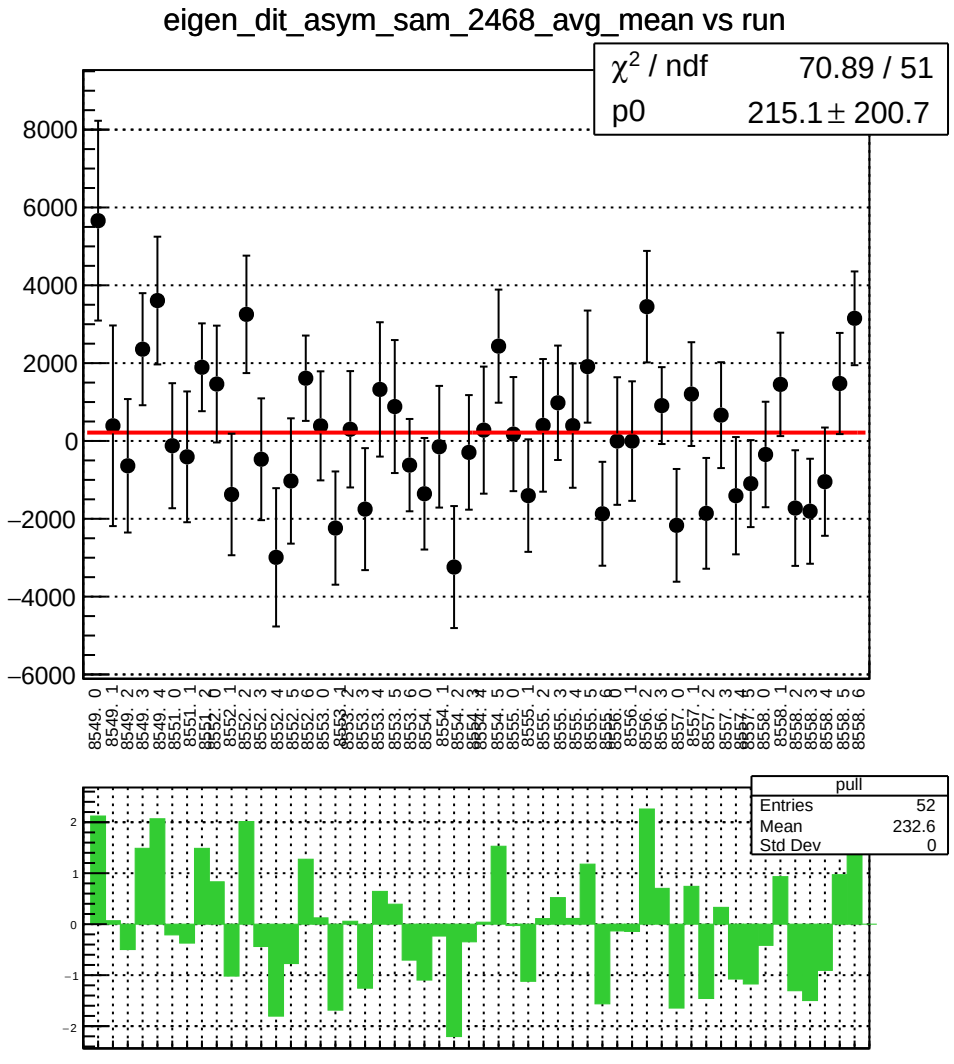
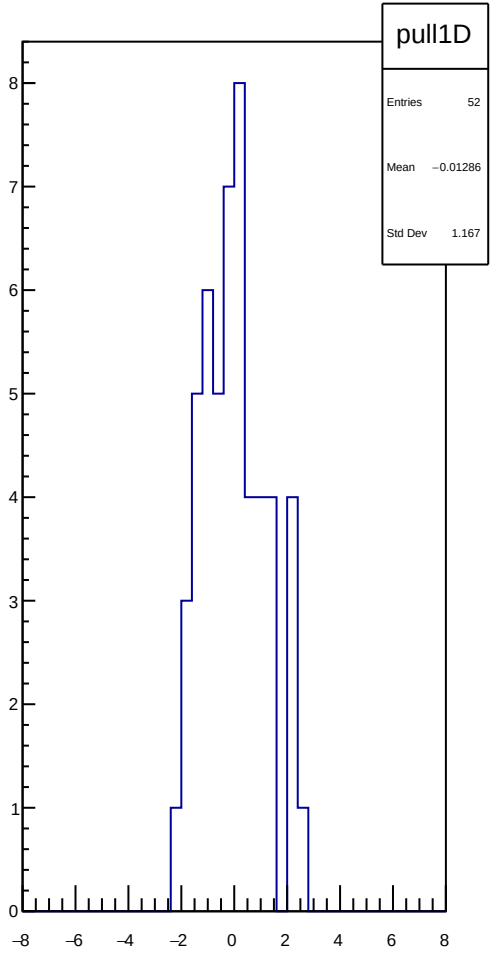
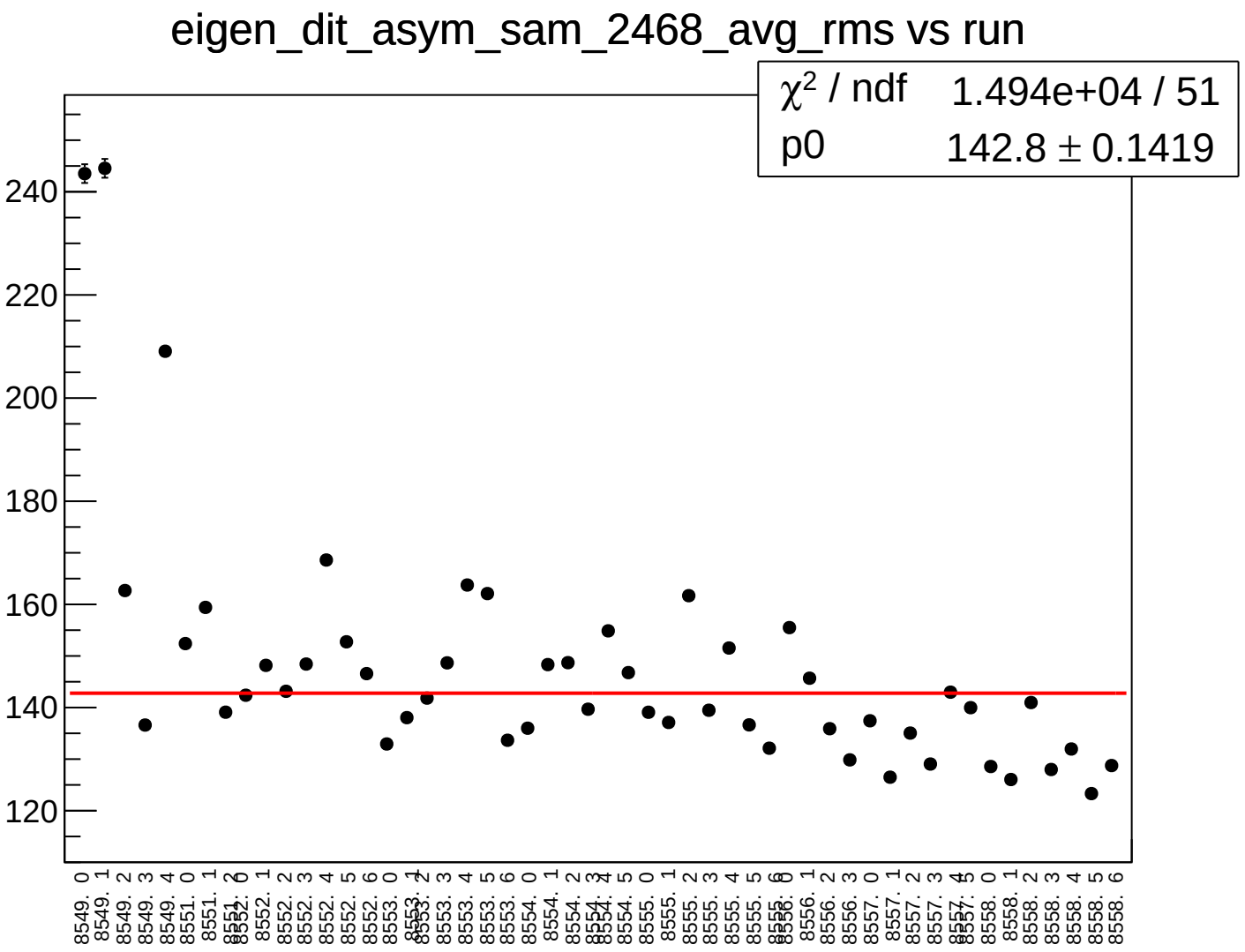

eigen_dit_asym_sam_2468_avg_mean vs run
χ^2 / ndf 70.89 / 51
p0 215.1 ± 200.7
pull
Entries 52
Mean 232.6
Std Dev 0


pull1D
Entries 52
Mean −0.01286
Std Dev 1.167


eigen_dit_asym_sam_2468_avg_rms vs run
χ² / ndf 1.494e+04 / 51
p0 142.8 ± 0.1419
240
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8549. 0
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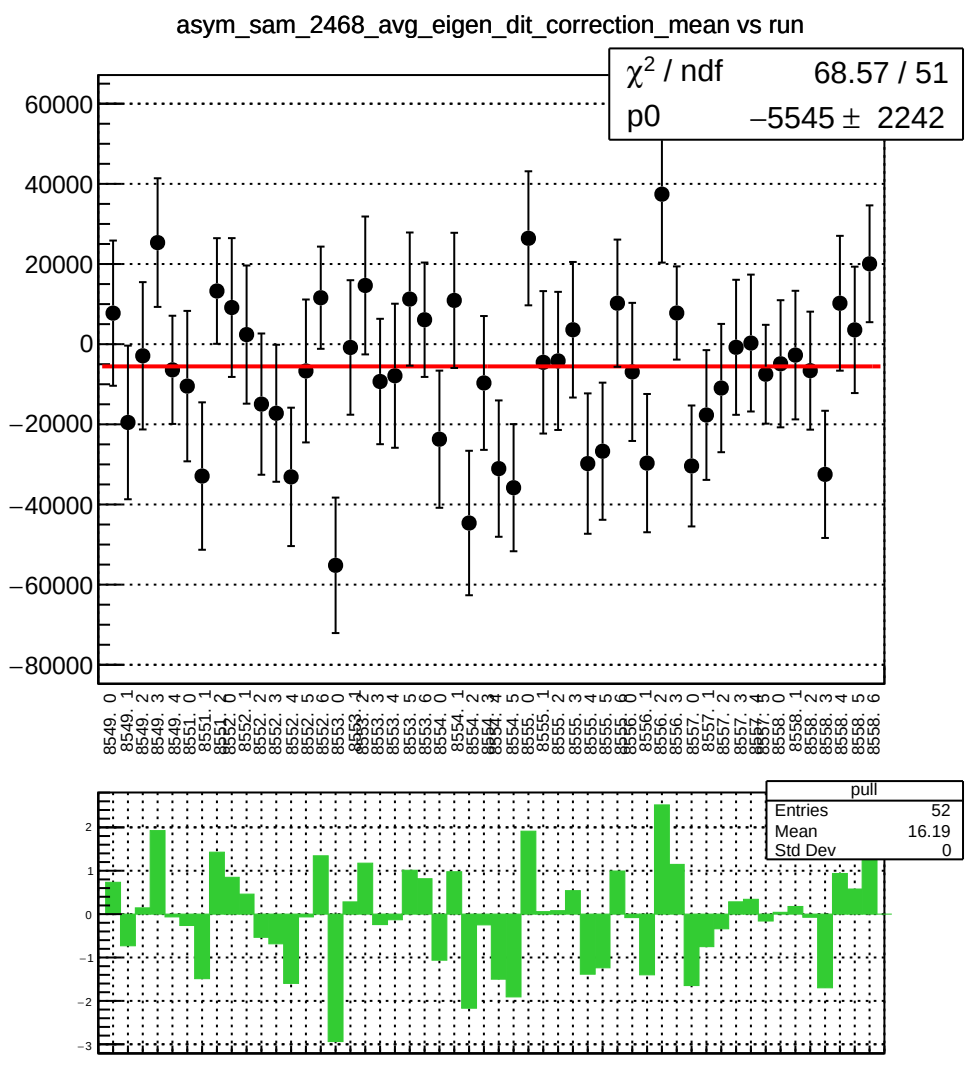
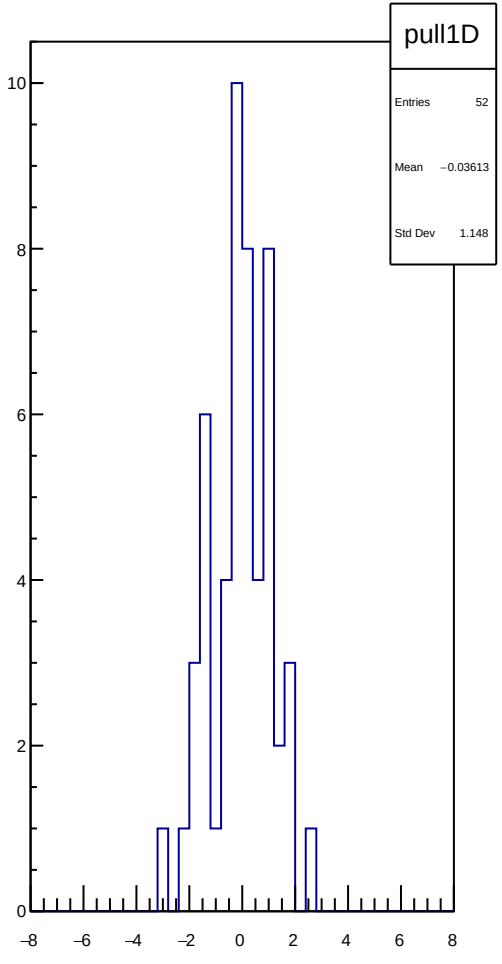
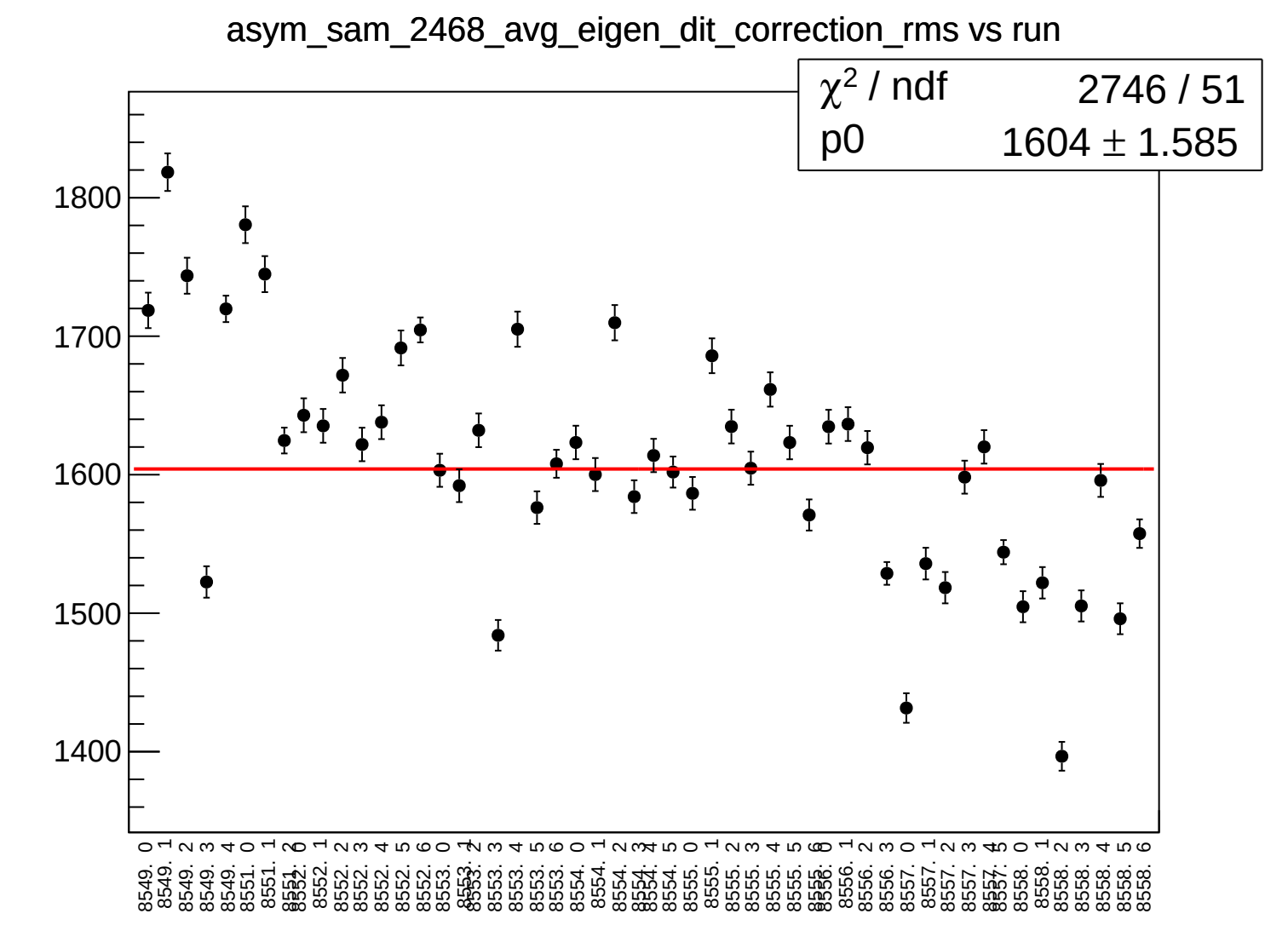

asym_sam_2468_avg_eigen_dit_correction_mean vs run
χ² / ndf 68.57 / 51
p0 −5545 ± 2242
pull
Entries 52
Mean 16.19
Std Dev 0


pull1D
Entries 52
Mean −0.03613
Std Dev 1.148


asym_sam_2468_avg_eigen_dit_correction_rms vs run
χ² / ndf 2746 / 51
p0 1604 ± 1.585
1800
1700
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1500
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8549. 0
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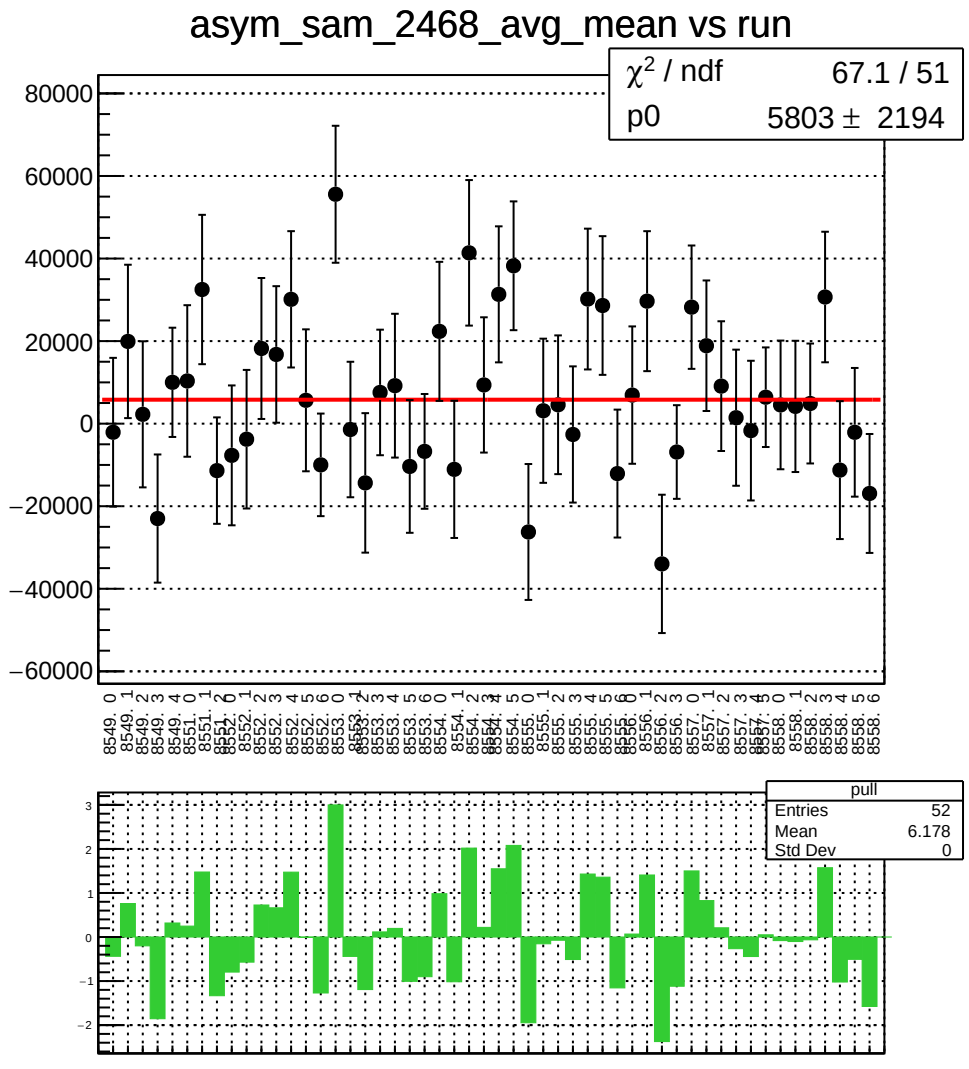
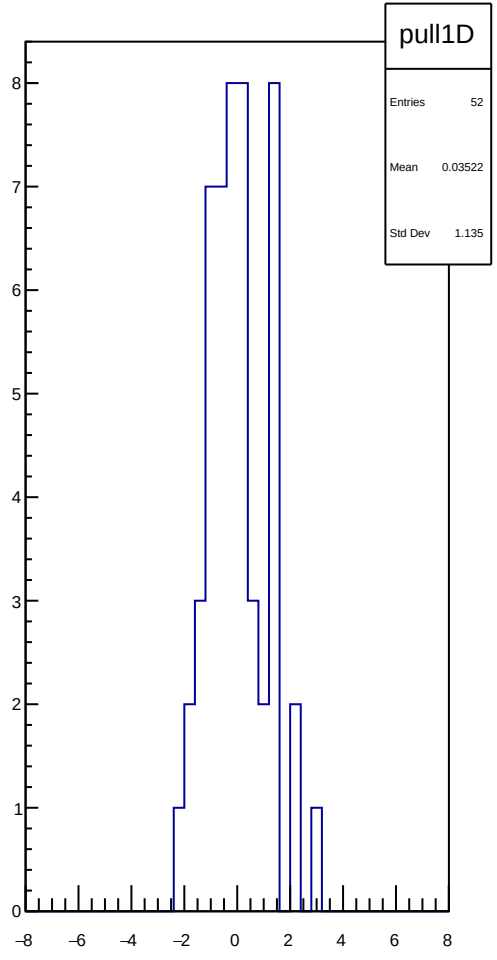
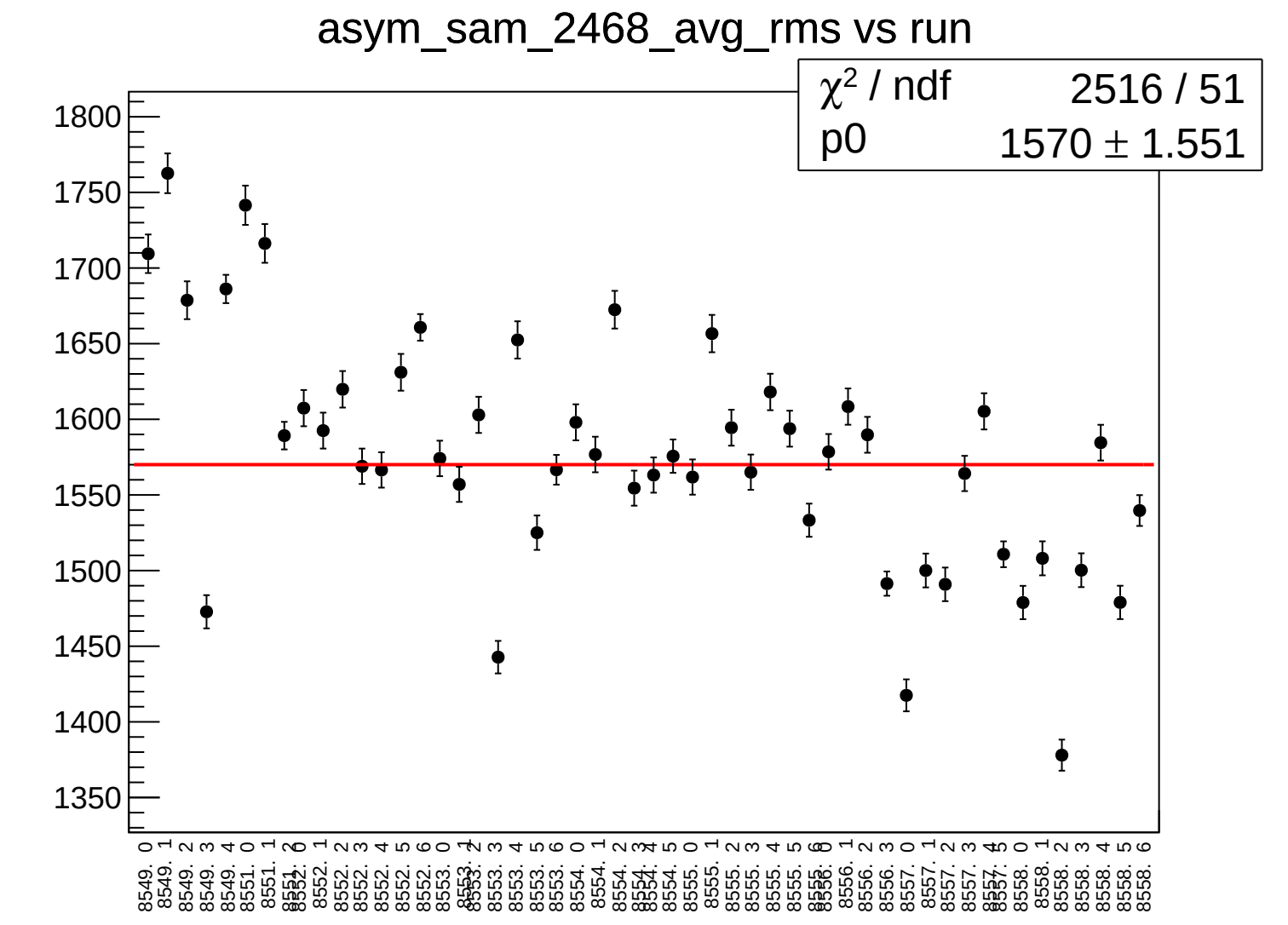
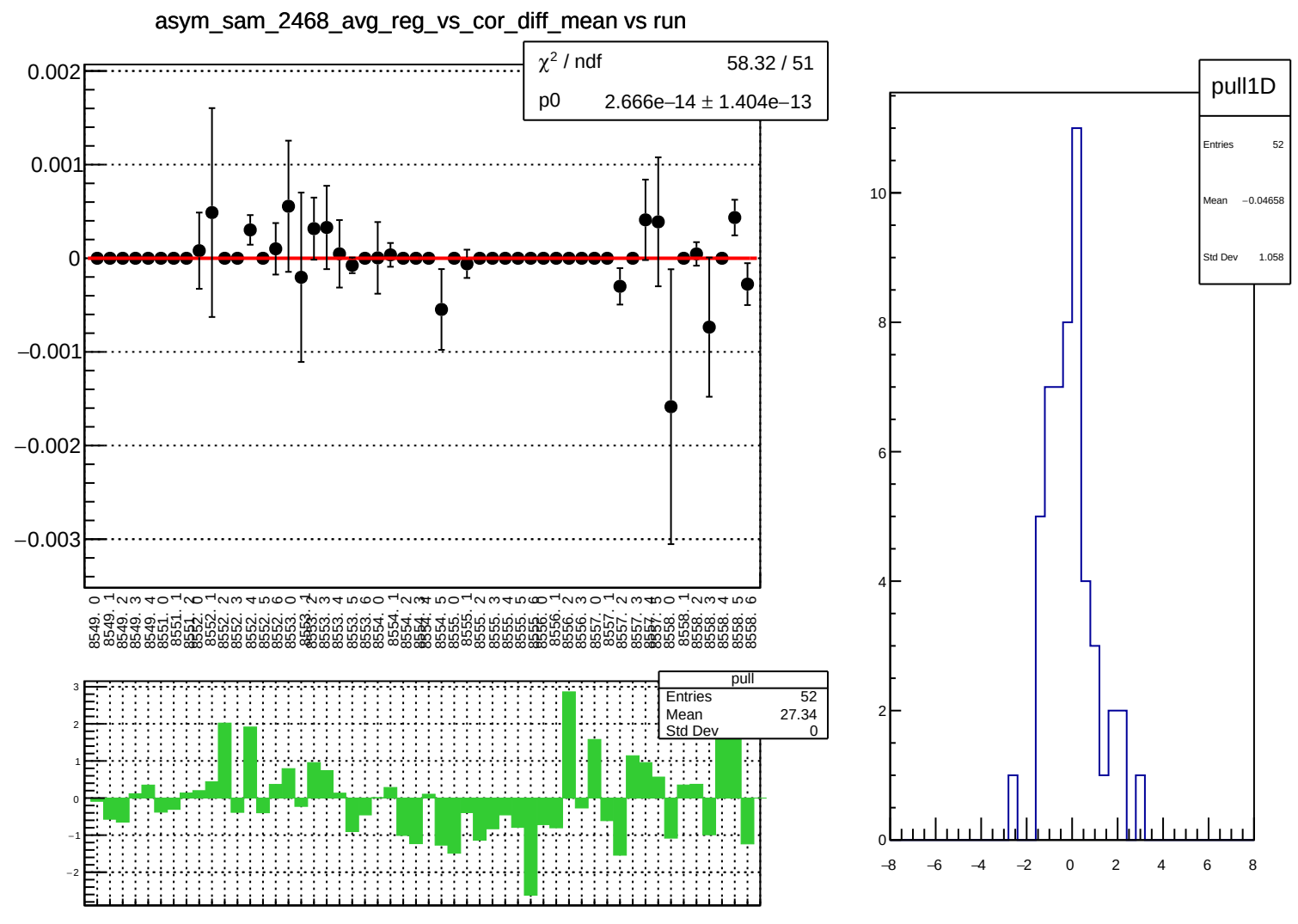
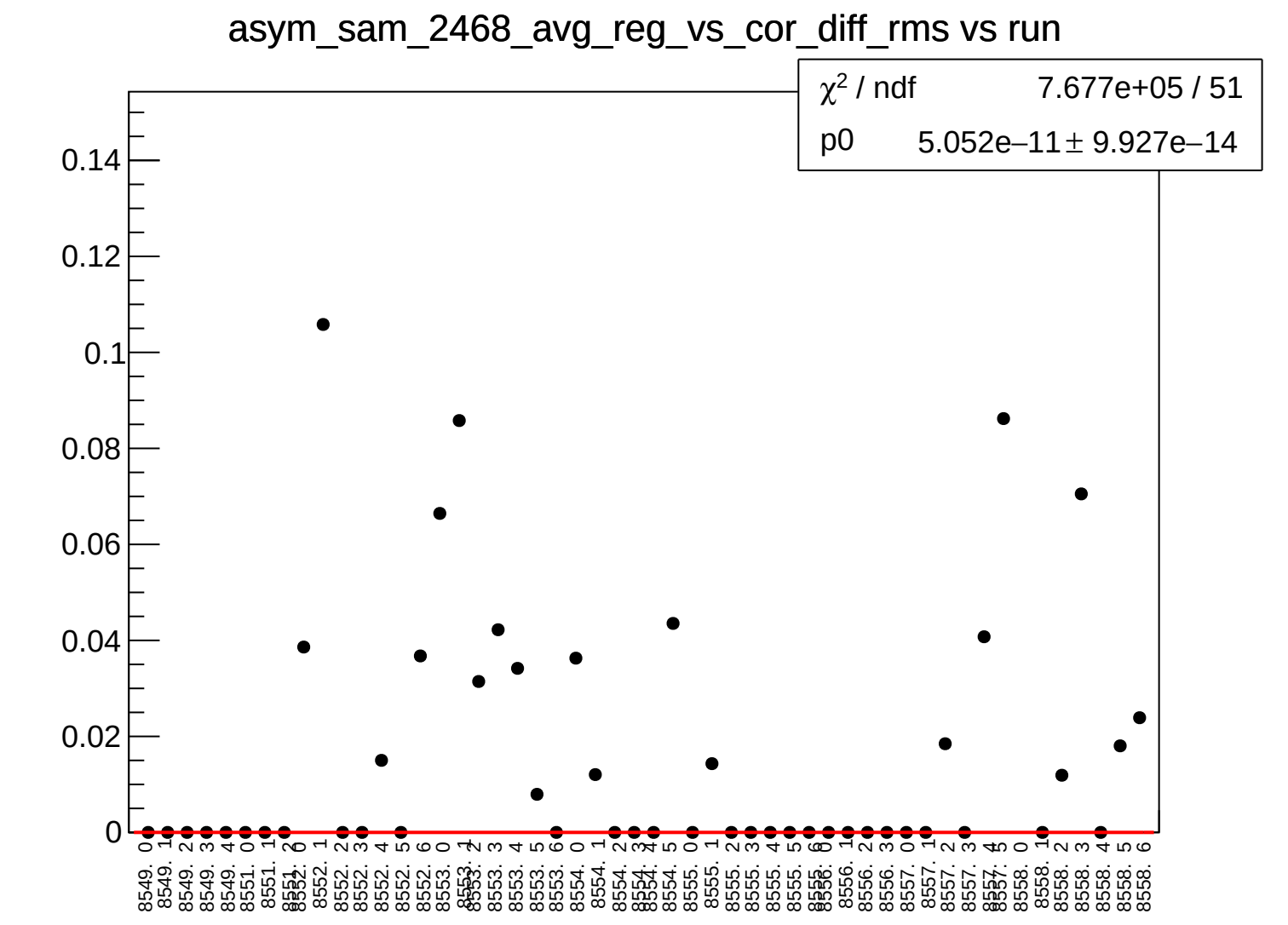
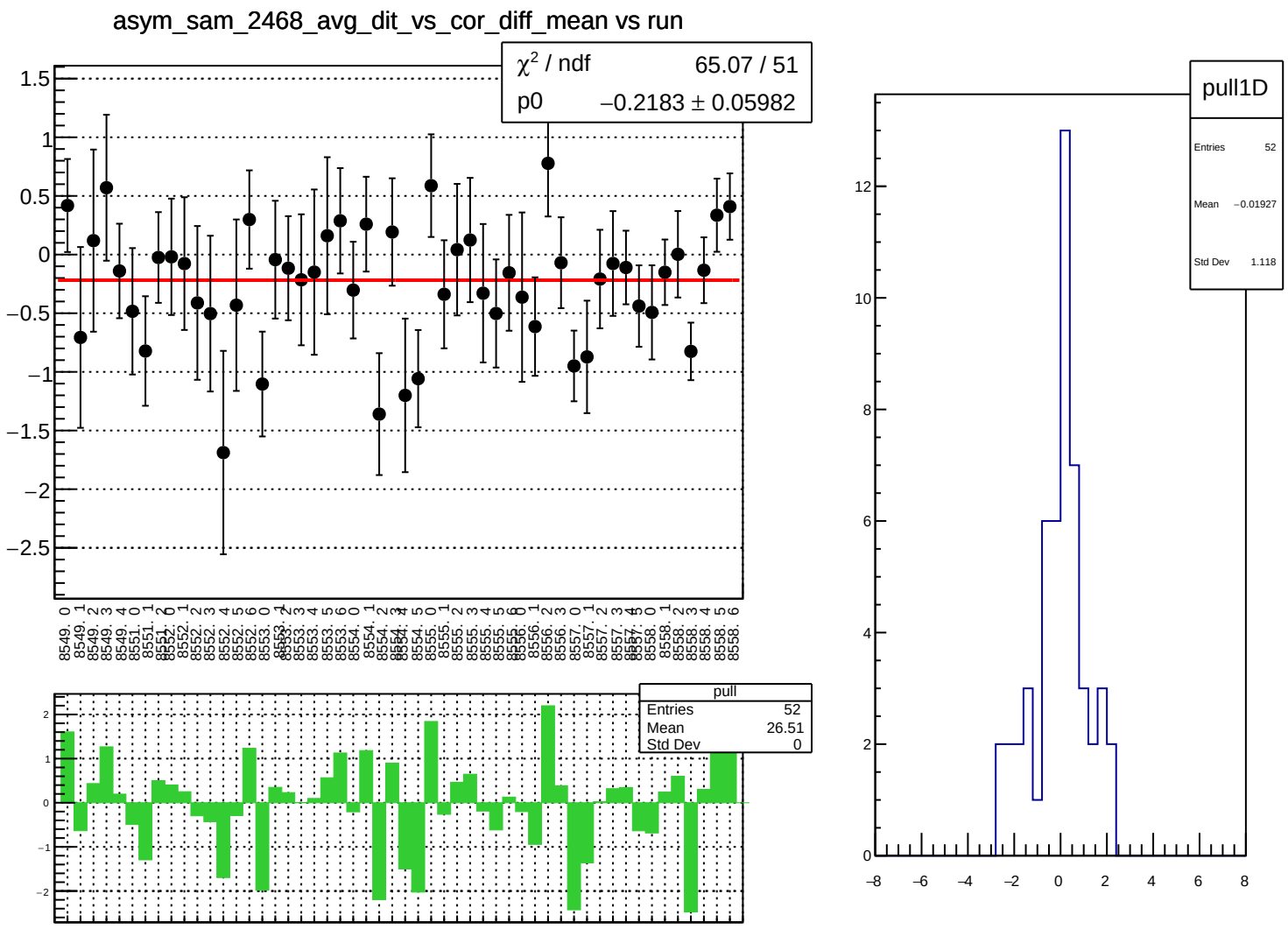

asym_sam_2468_avg_mean vs run
χ² / ndf 67.1 / 51
p0 5803 ± 2194
pull
Entries 52
Mean 6.178
Std Dev 0

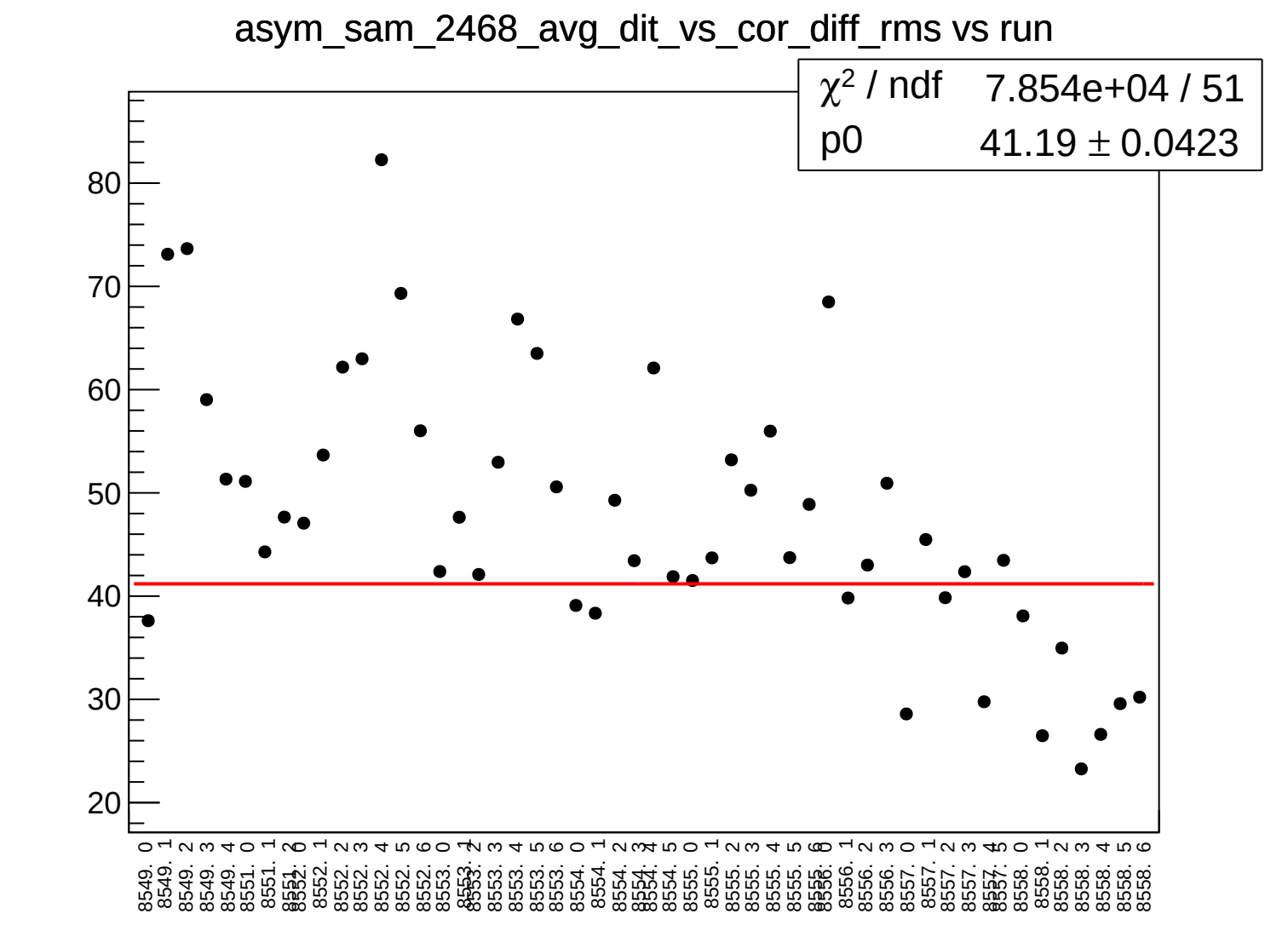

pull1D
Entries 52
Mean 0.03522
Std Dev 1.135


asym_sam_2468_avg_rms vs run
χ² / ndf 2516 / 51
p0 1570 ± 1.551
1800
1750
1700
1650
1600
1550
1500
1450
1400
1350
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6


asym_sam_2468_avg_reg_vs_cor_diff_mean vs run
χ² / ndf 58.32 / 51
p0 2.666e−14 ± 1.404e−13
0.002
0.001
0
−0.001
−0.002
−0.003
pull
Entries 52
Mean 27.34
Std Dev 0
pull1D
Entries 52
Mean −0.04658
Std Dev 1.058


asym_sam_2468_avg_reg_vs_cor_diff_rms vs run
χ² / ndf 7.677e+05 / 51
p0 5.052e−11 ± 9.927e−14
0.14
0.12
0.1
0.08
0.06
0.04
0.02
0
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8549. 5
8549. 6
8551. 0
8551. 1
8551. 2
8552. 0
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 1
8553. 2
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 3
8554. 4
8554. 5
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8555. 6
8556. 0
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8557. 4
8557. 5
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6


asym_sam_2468_avg_dit_vs_cor_diff_mean vs run
χ² / ndf 65.07 / 51
p0 −0.2183 ± 0.05982
pull
Entries 52
Mean 26.51
Std Dev 0
pull1D
Entries 52
Mean −0.01927
Std Dev 1.118


asym_sam_2468_avg_dit_vs_cor_diff_rms vs run
χ² / ndf 7.854e+04 / 51
p0 41.19 ± 0.0423
80
70
60
50
40
30
20
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
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8557. 3
8558. 0
8558. 1
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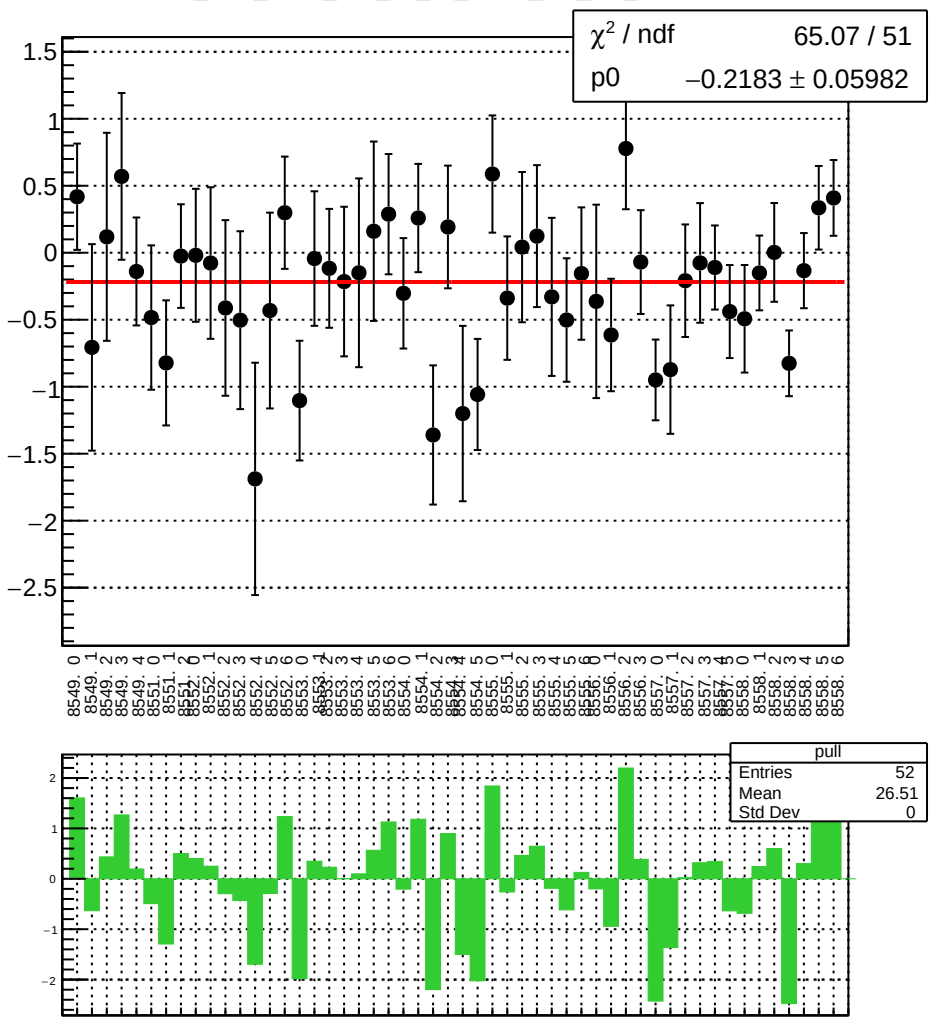
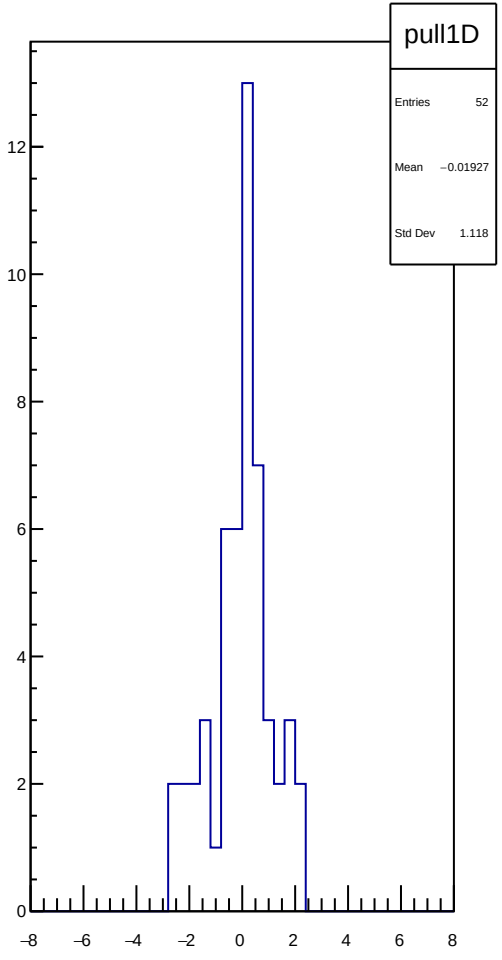
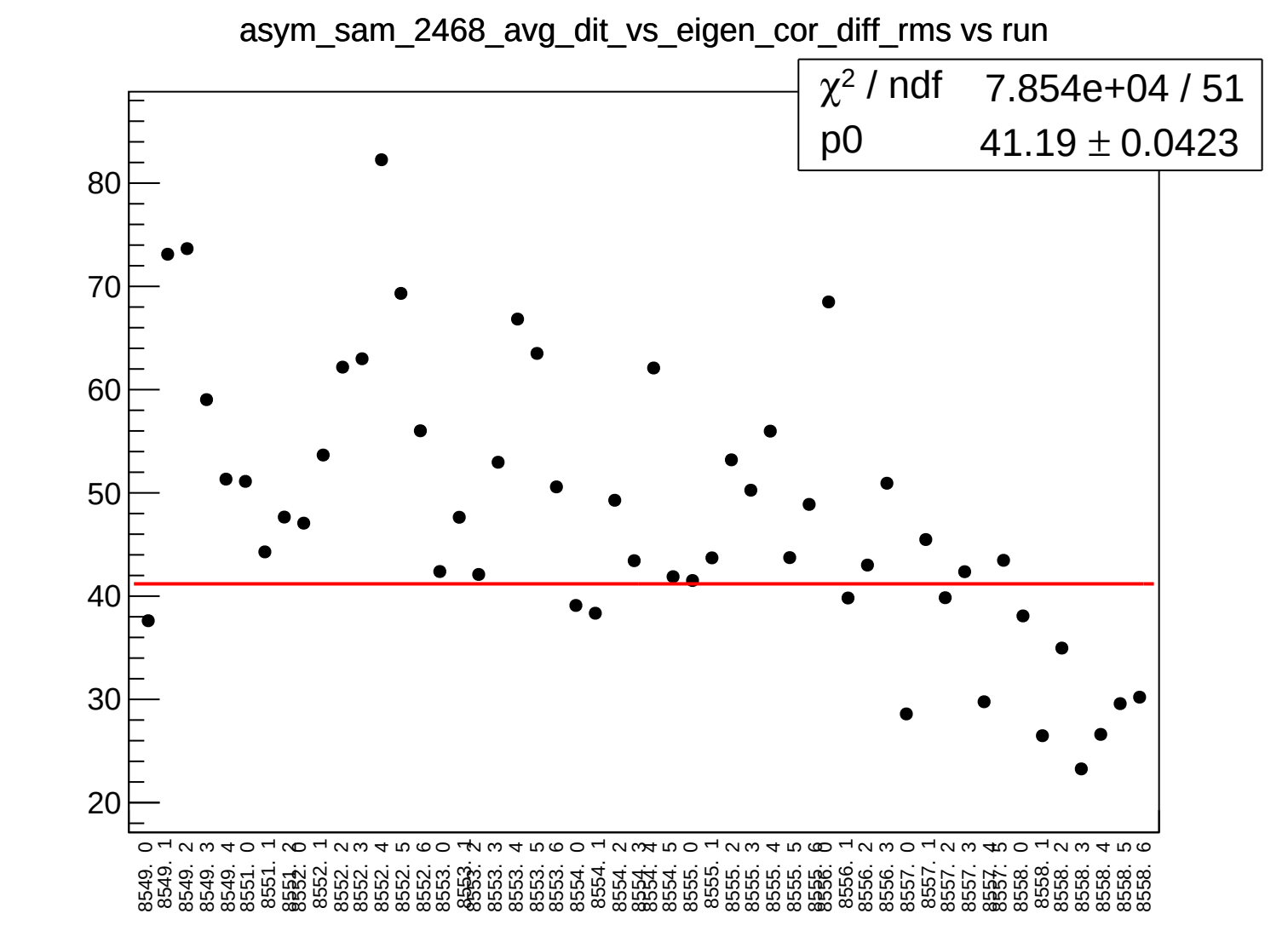
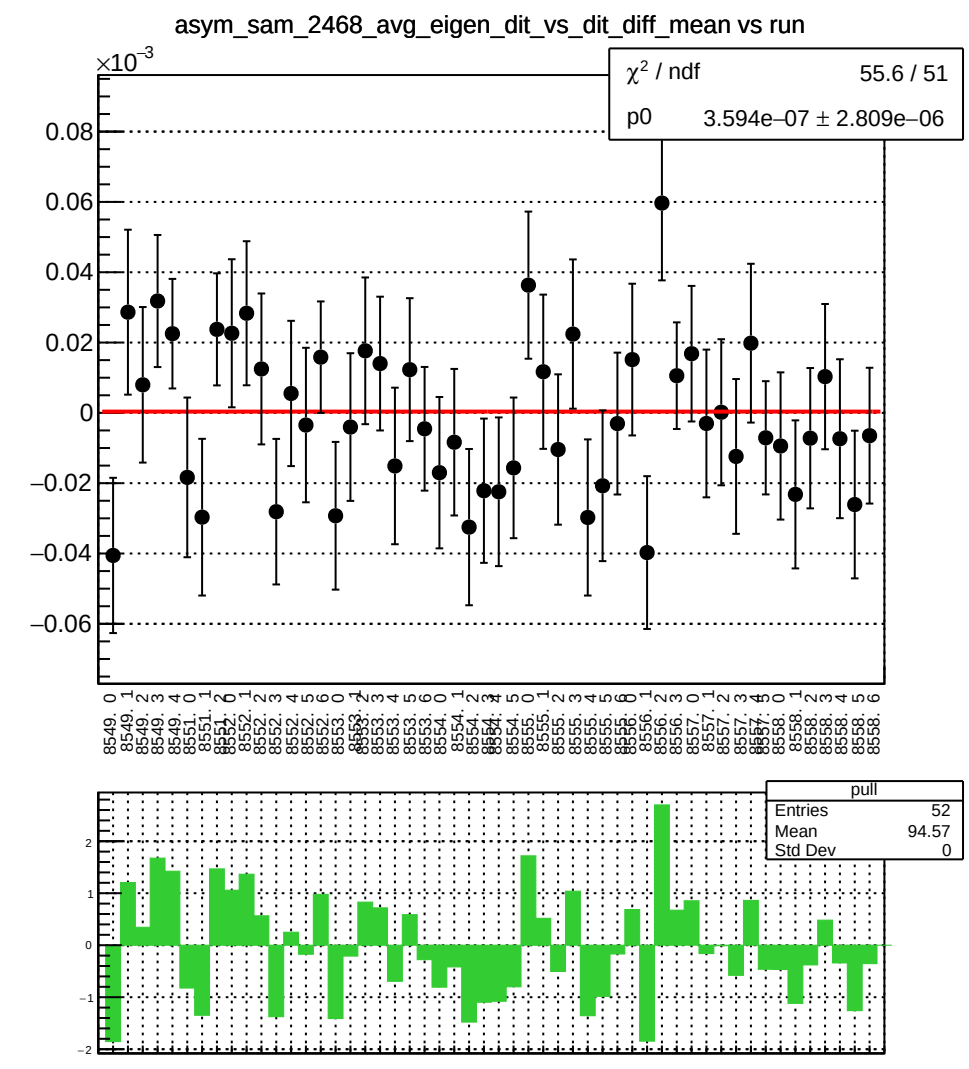
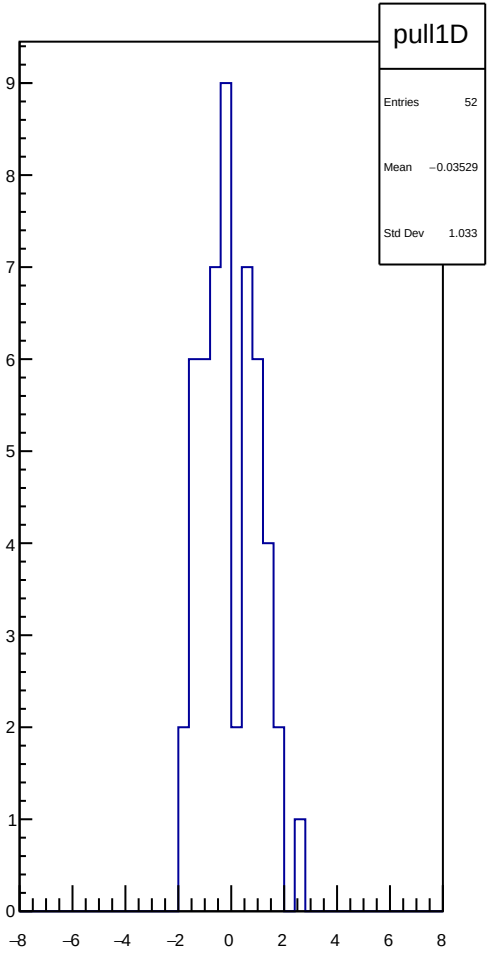
8558. 3
8558. 4
8558. 5
8558. 6

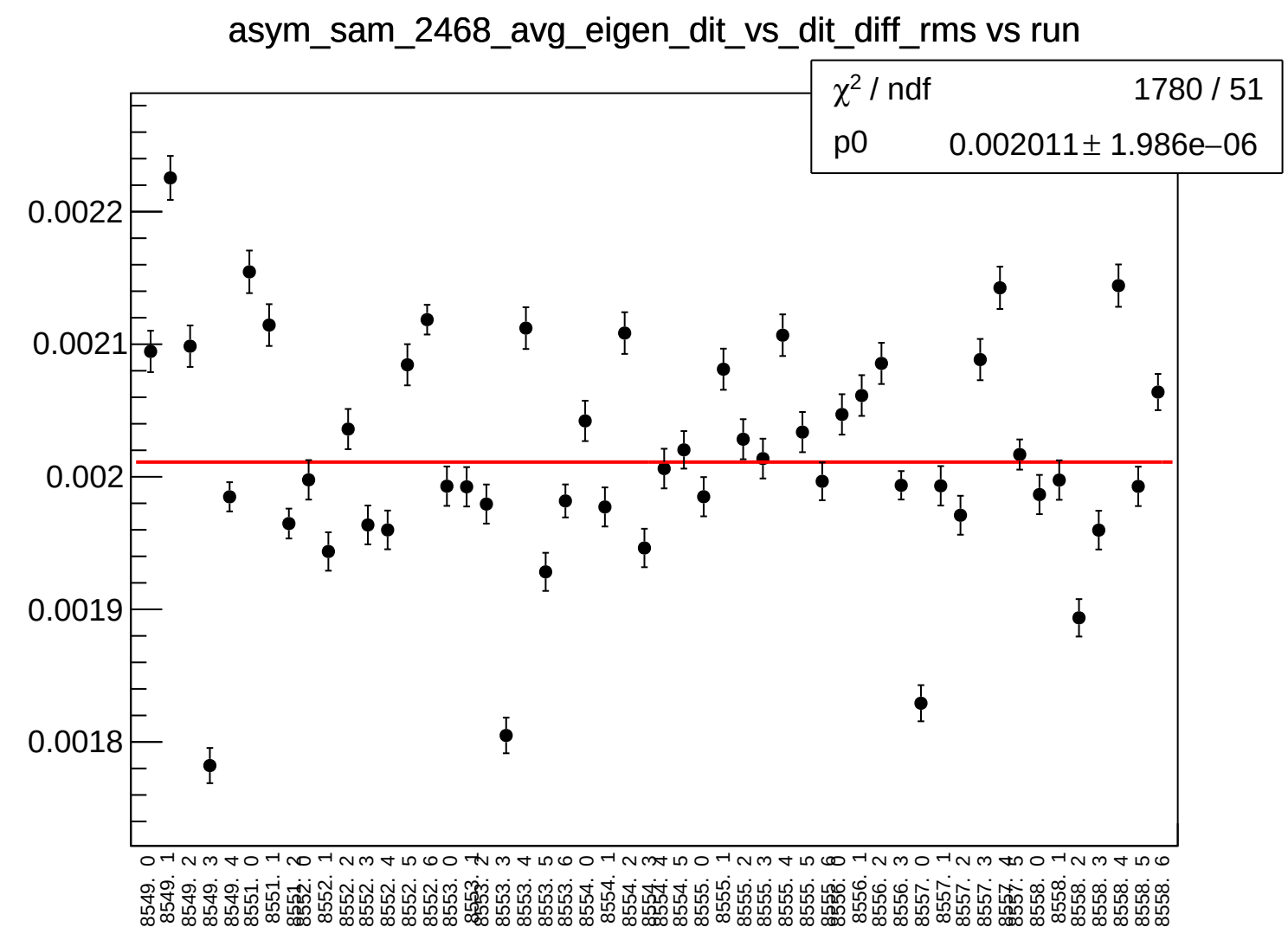

asym_sam_2468_avg_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 65.07 / 51
p0 −0.2183 ± 0.05982
pull
Entries 52
Mean 26.51
Std Dev 0

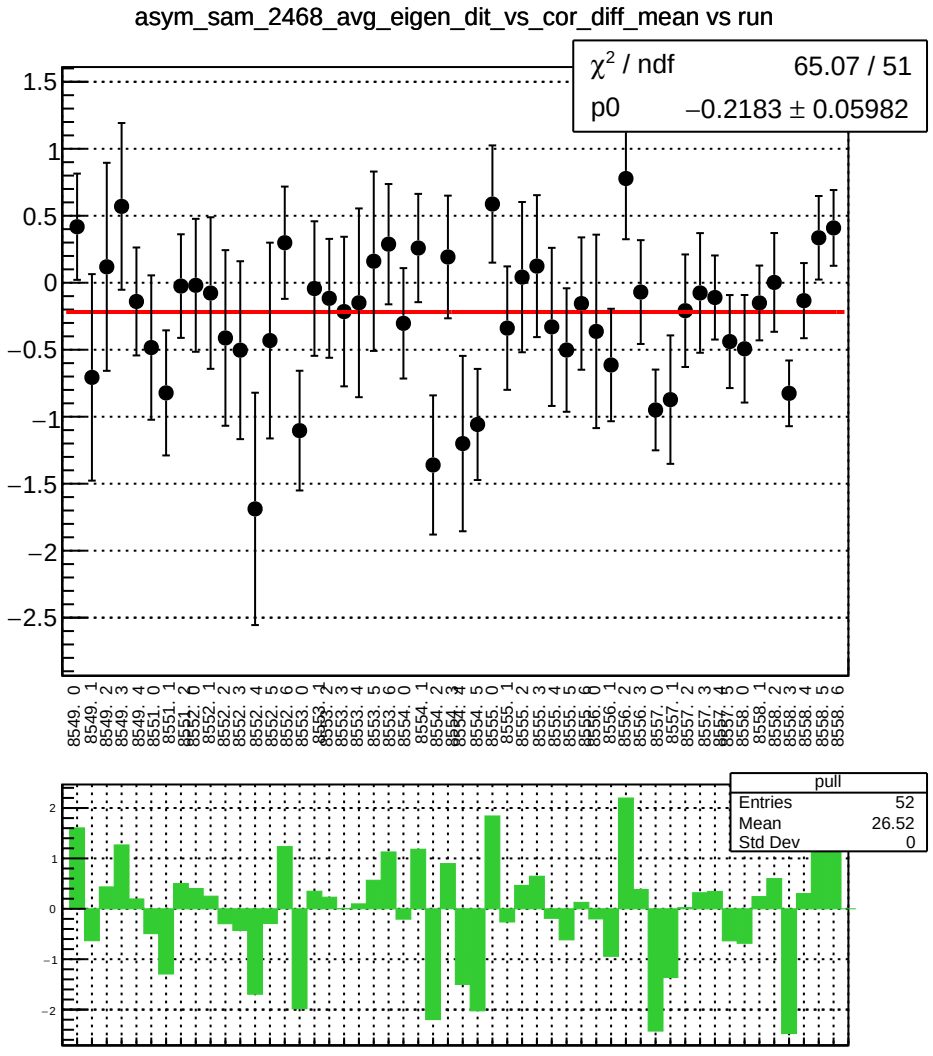

pull1D
Entries 52
Mean −0.01927
Std Dev 1.118

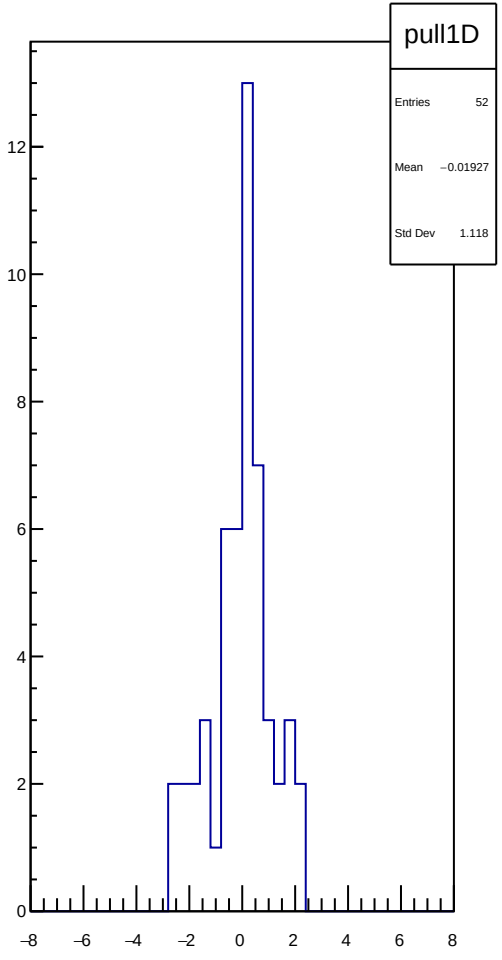

asym_sam_2468_avg_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 7.854e+04 / 51
p0 41.19 ± 0.0423
80
70
60
50
40
30
20
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

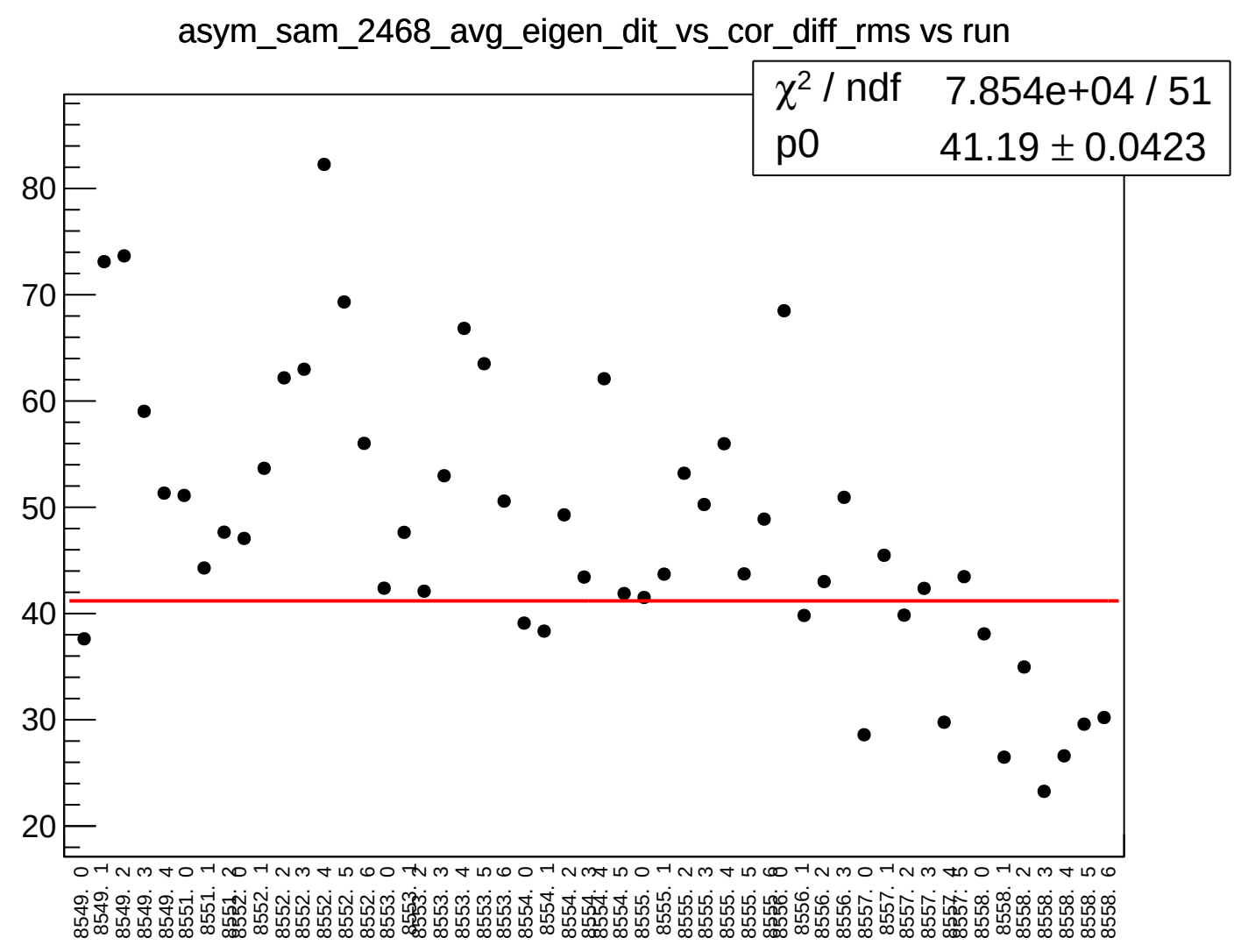

asym_sam_2468_avg_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 55.6 / 51
p0 3.594e−07 ± 2.809e−06
0.08
0.06
0.04
0.02
0
−0.02
−0.04
−0.06
pull
Entries 52
Mean 94.57
Std Dev 0
2
1
0
−1
−2


pull1D
Entries 52
Mean −0.03529
Std Dev 1.033
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


asym_sam_2468_avg_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 1780 / 51
p0 0.002011 ± 1.986e−06
0.0022
0.0021
0.002
0.0019
0.0018
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 5
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6


asym_sam_2468_avg_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 65.07 / 51
p0 −0.2183 ± 0.05982
pull
Entries 52
Mean 26.52
Std Dev 0


pull1D
Entries 52
Mean −0.01927
Std Dev 1.118


asym_sam_2468_avg_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 7.854e+04 / 51
p0 41.19 ± 0.0423
80
70
60
50
40
30
20
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
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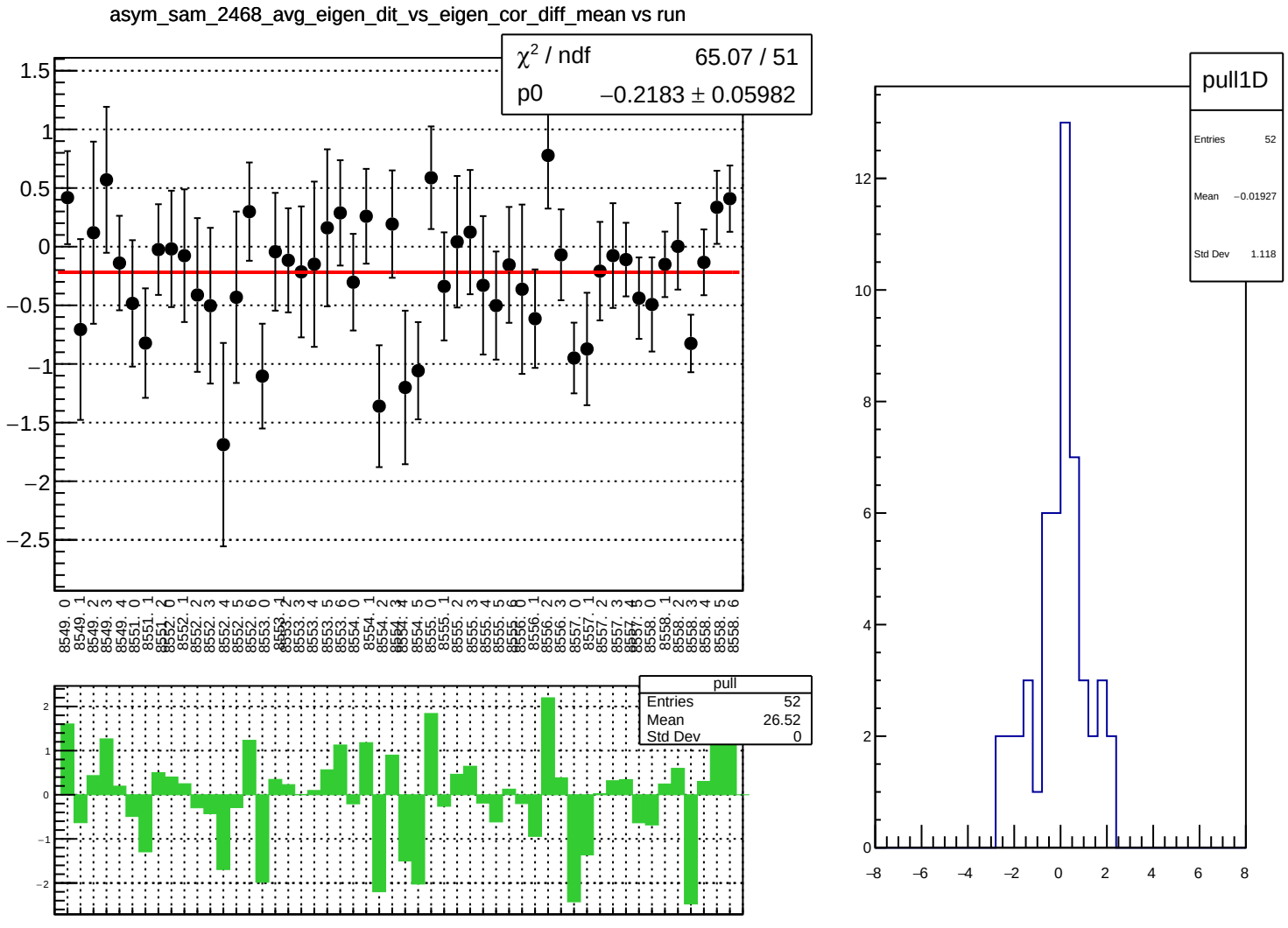
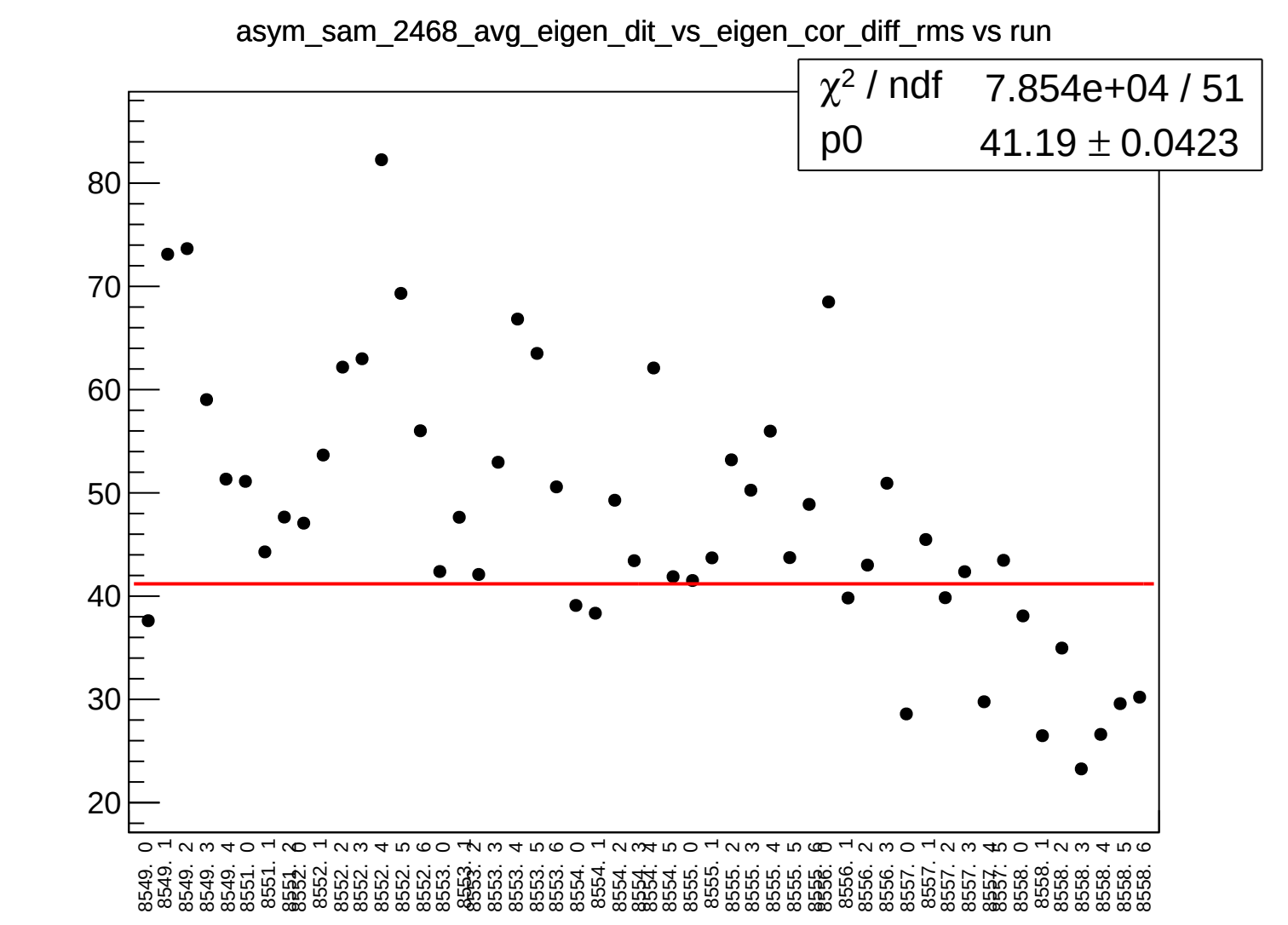
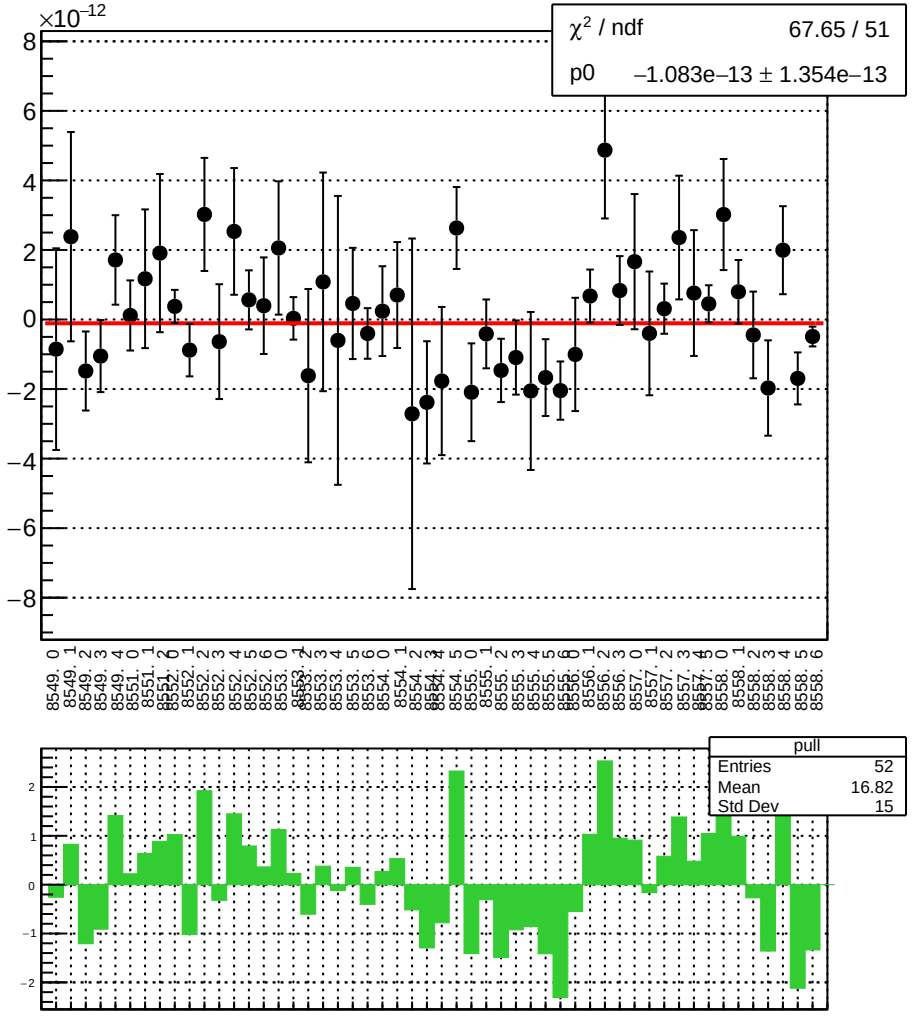
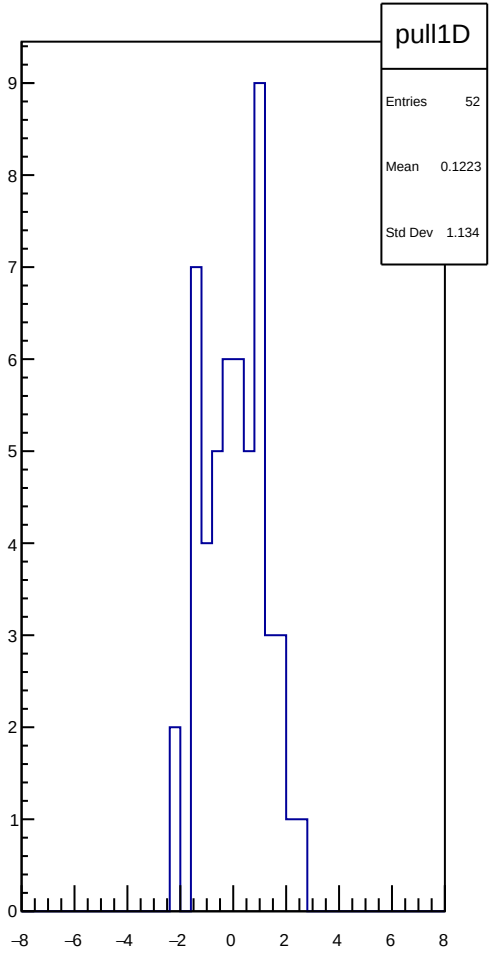
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

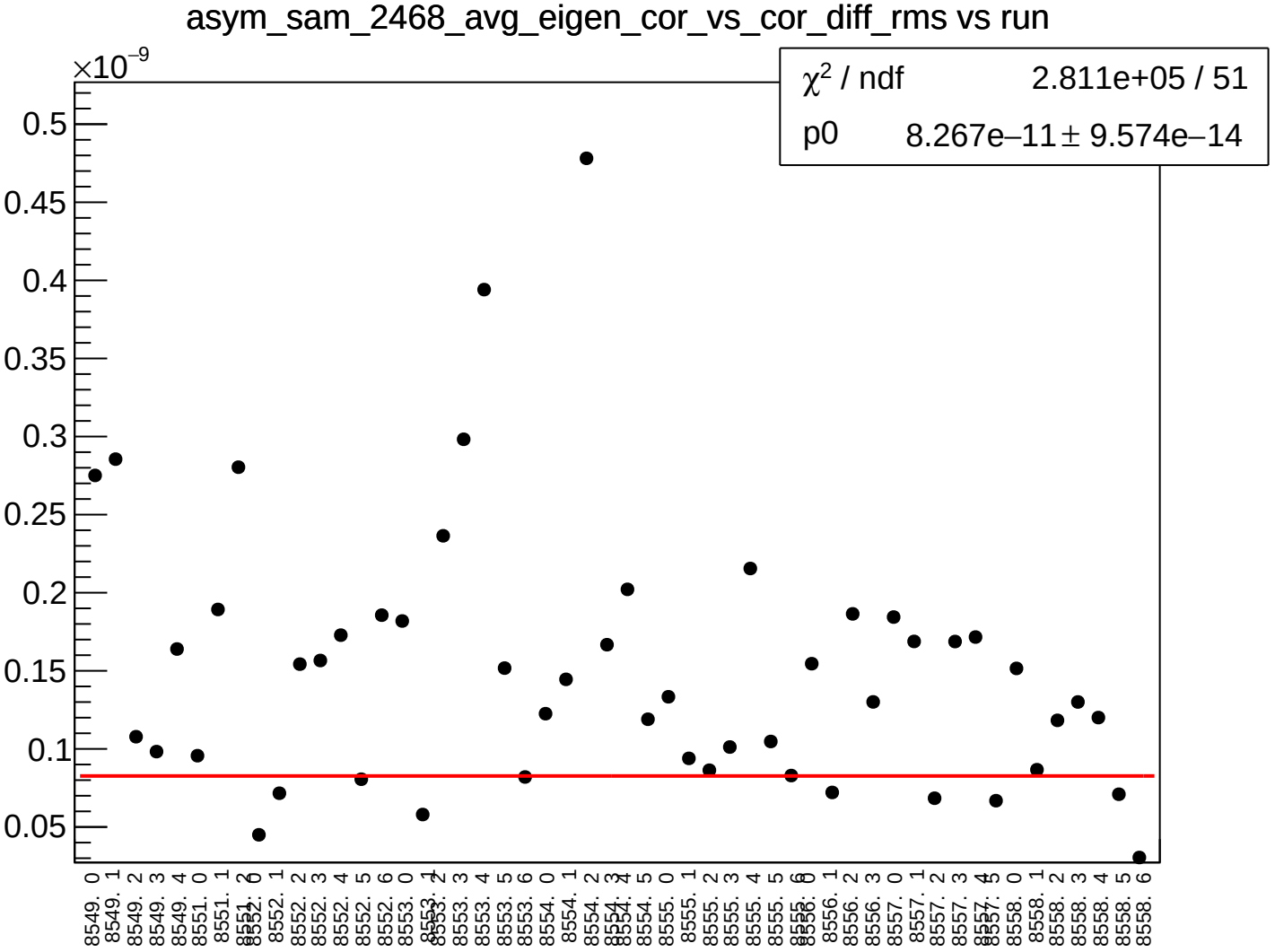

asym_sam_2468_avg_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 65.07 / 51
p0 −0.2183 ± 0.05982
pull
Entries 52
Mean 26.52
Std Dev 0
pull1D
Entries 52
Mean −0.01927
Std Dev 1.118


asym_sam_2468_avg_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 7.854e+04 / 51
p0 41.19 ± 0.0423
80
70
60
50
40
30
20
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

asym_sam_2468_avg_eigen_cor_vs_cor_diff_mean vs run






asym_sam_2468_avg_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 2.811e+05 / 51
p0 8.267e−11 ± 9.574e−14
0.5
0.45
0.4
0.35
0.3
0.25
0.2
0.15
0.1
0.05
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8551. 2
8552. 0
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 1
8553. 2
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 3
8554. 4
8554. 5
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
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8557. 5
8558. 0
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8558. 3
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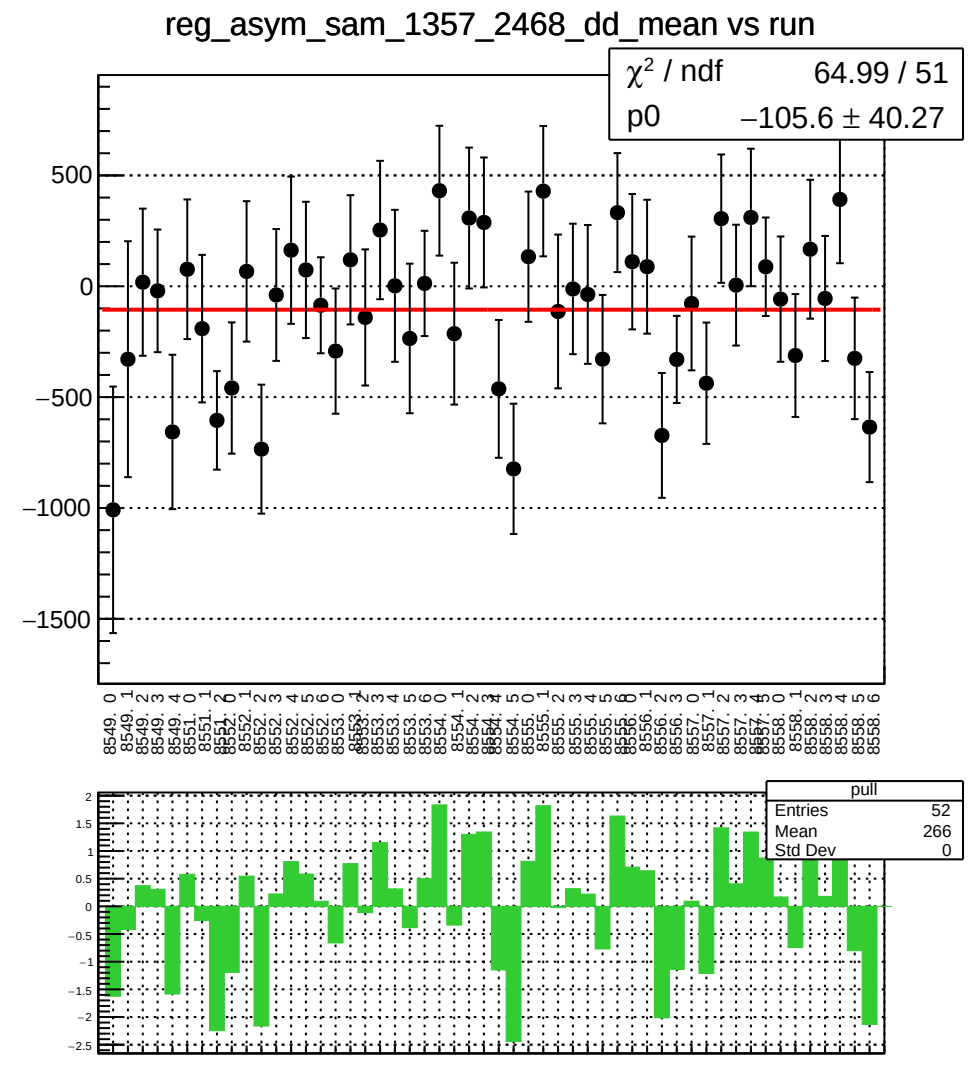
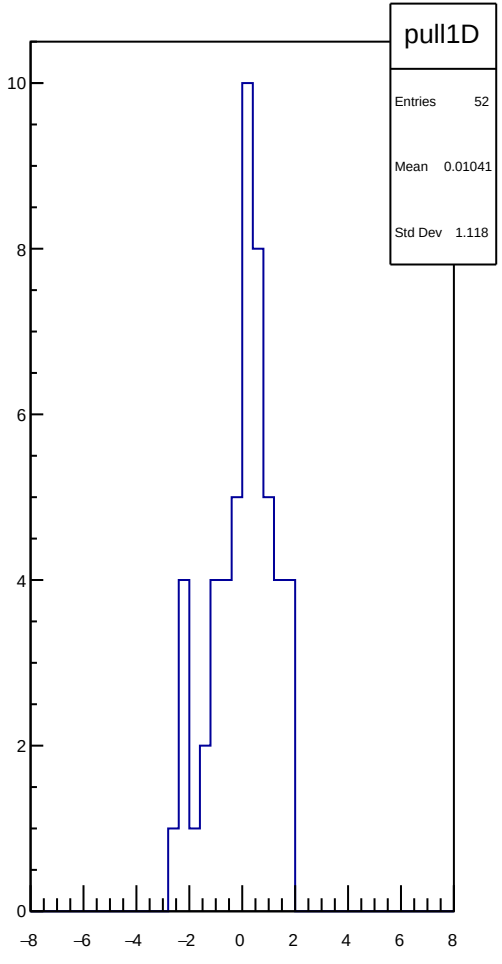
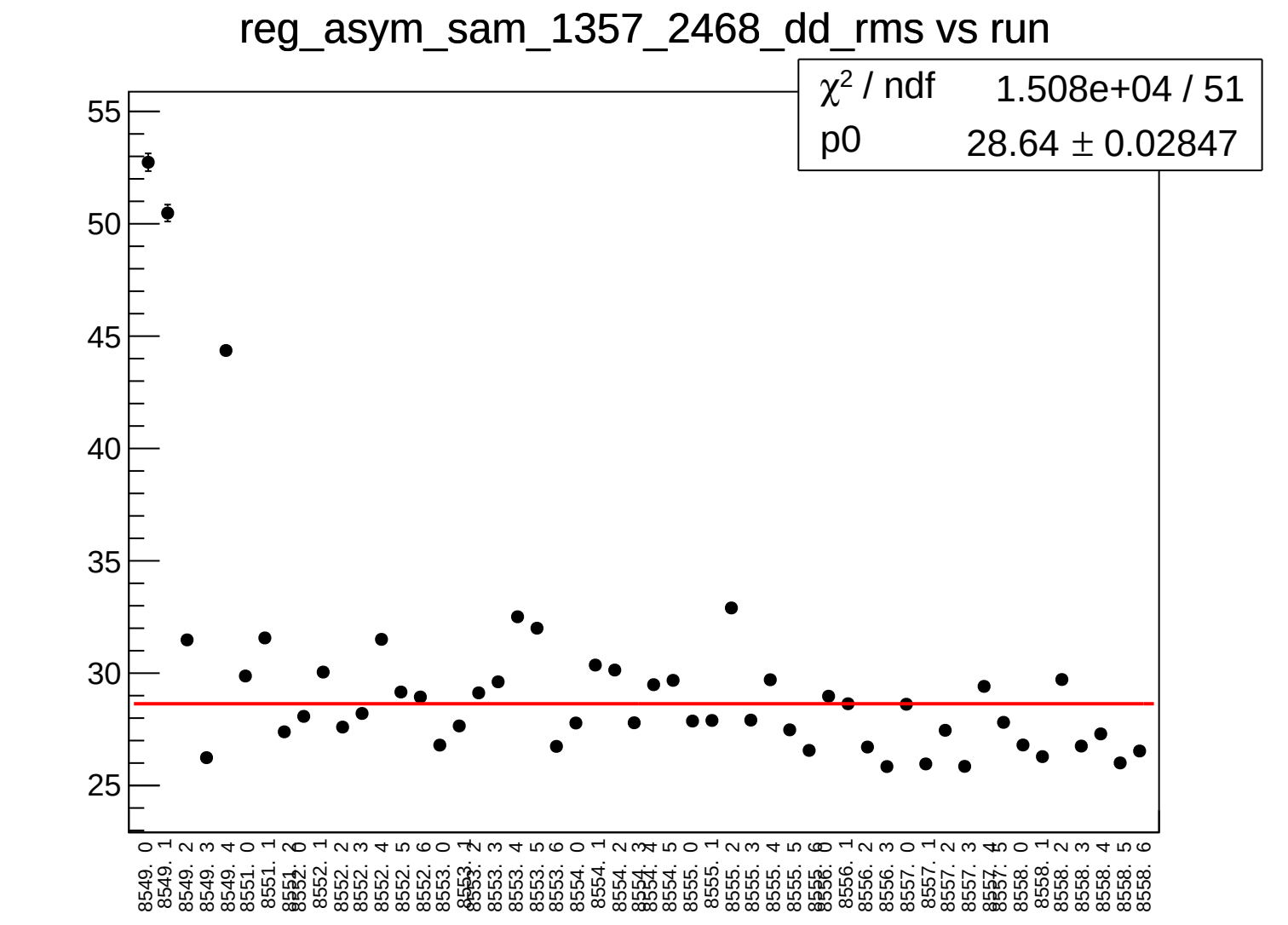
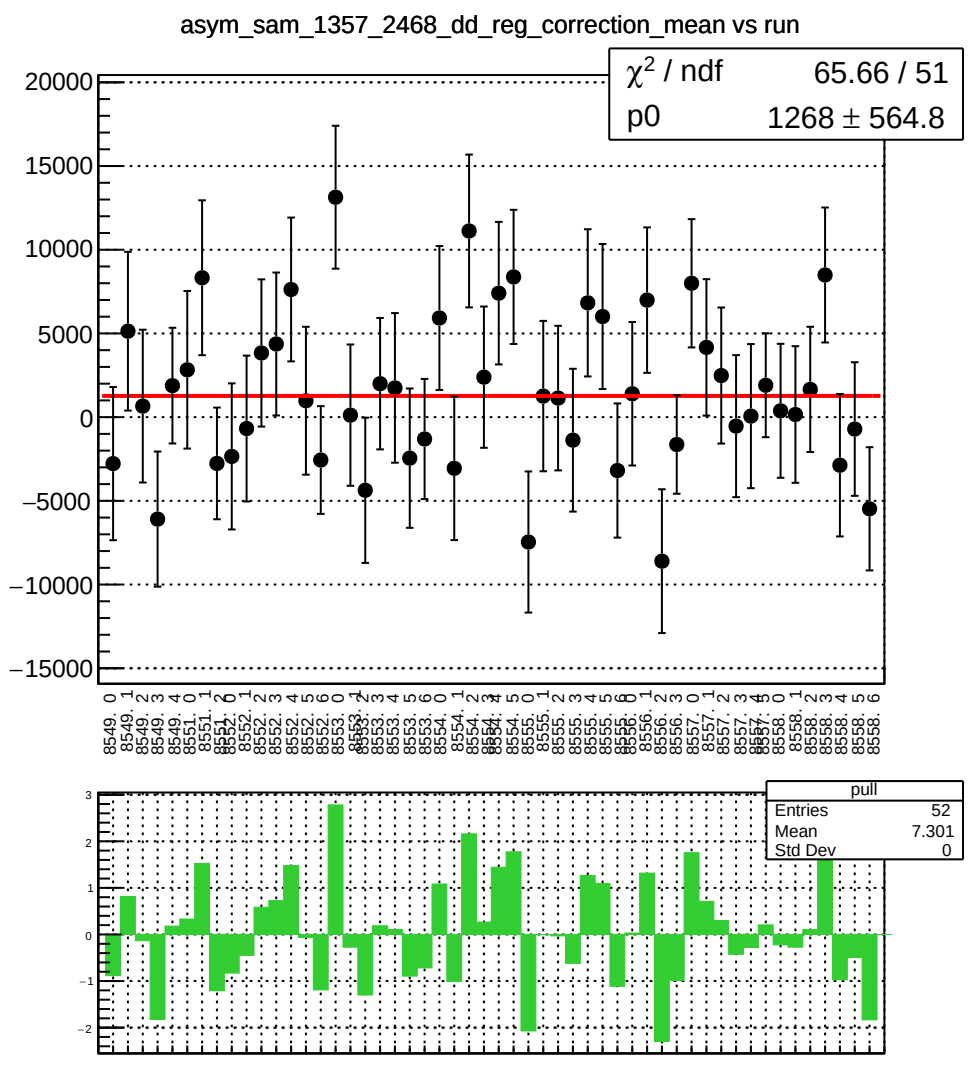
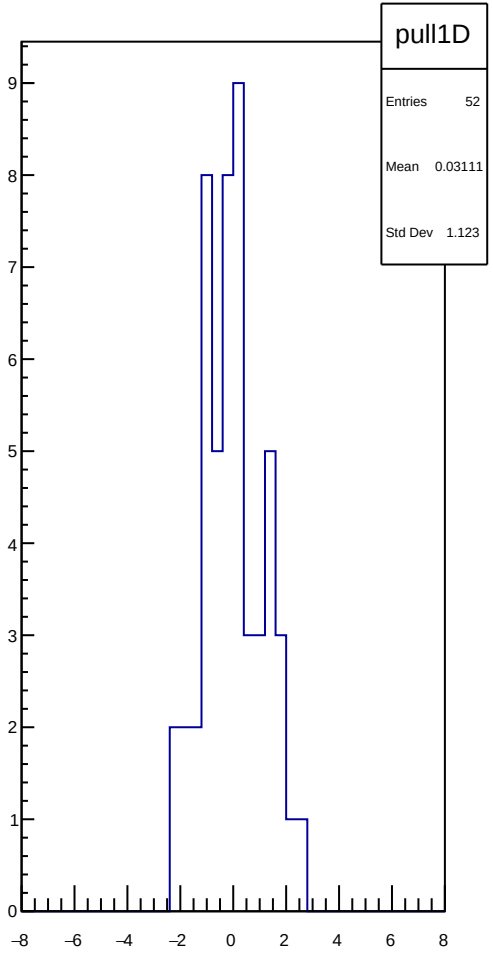
8558. 5
8558. 6

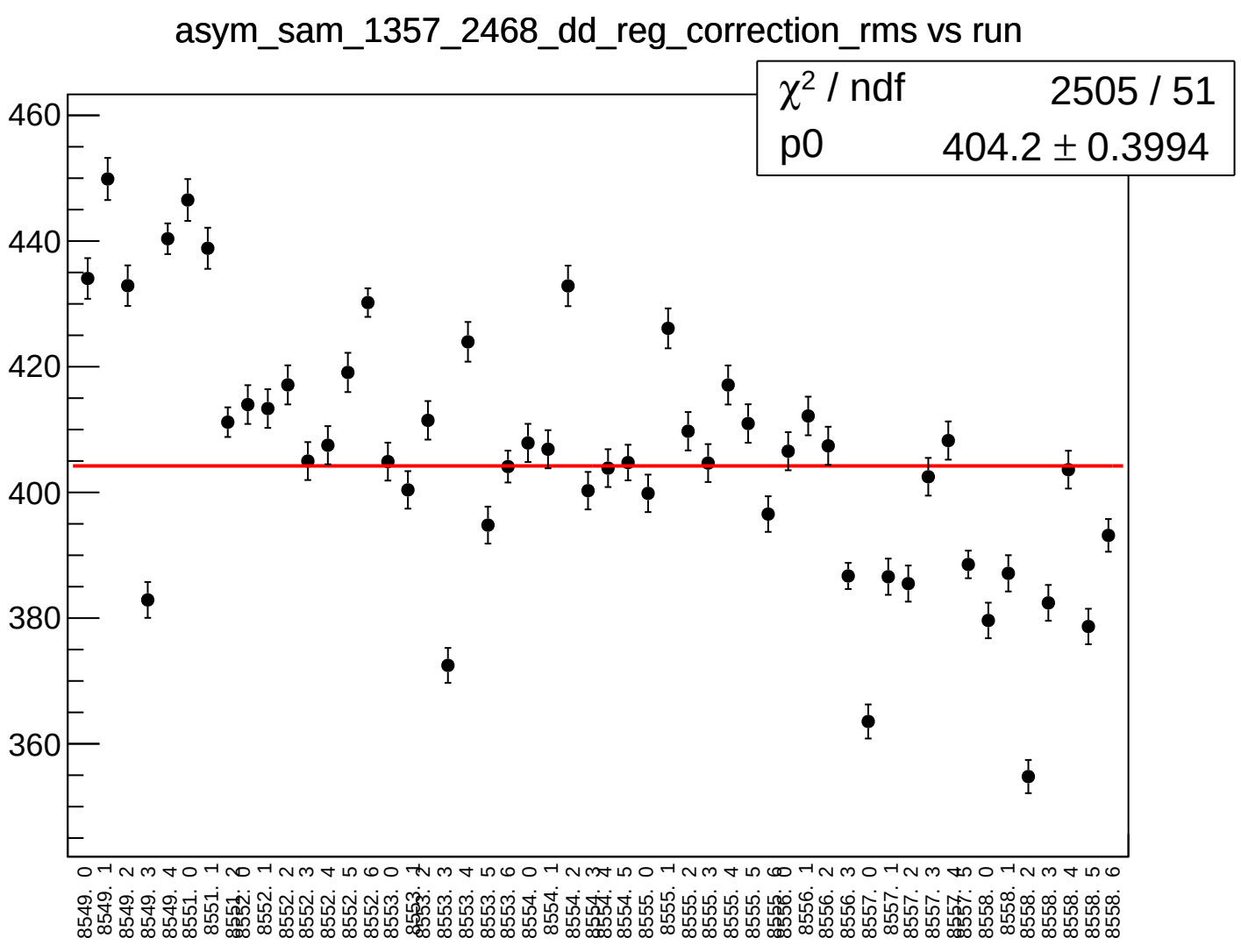

reg_asym_sam_1357_2468_dd_mean vs run
χ² / ndf 64.99 / 51
p0 −105.6 ± 40.27
500
0
−500
−1000
−1500
pull
Entries 52
Mean 266
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

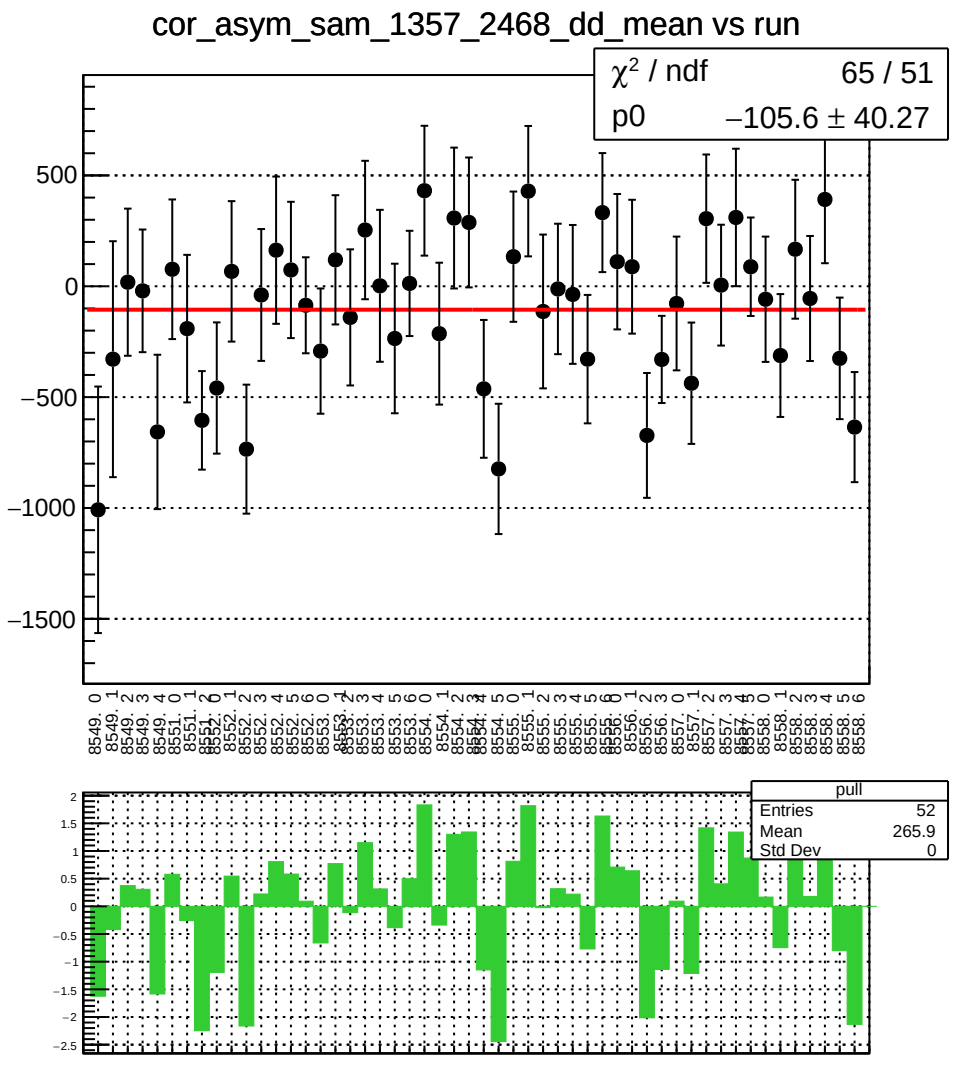

pull1D
Entries 52
Mean 0.01041
Std Dev 1.118
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

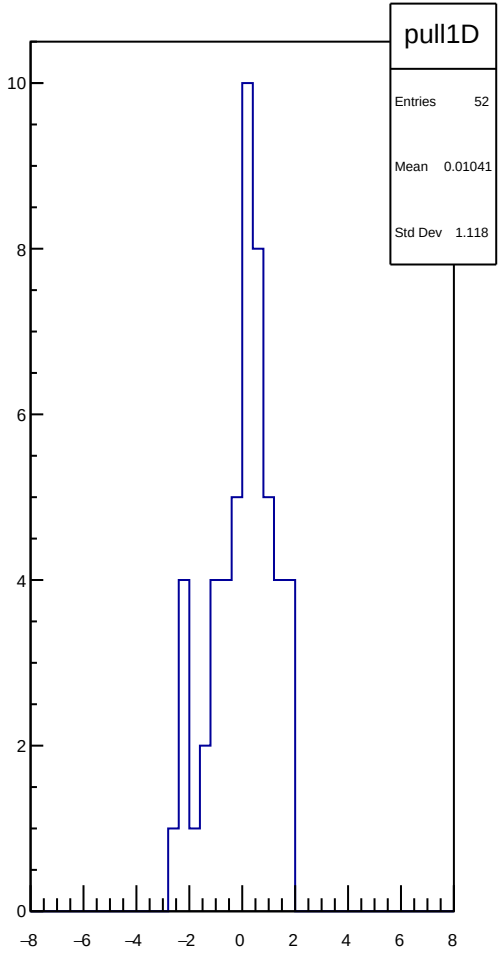

reg_asym_sam_1357_2468_dd_rms vs run
χ² / ndf 1.508e+04 / 51
p0 28.64 ± 0.02847
55
50
45
40
35
30
25
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 5
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

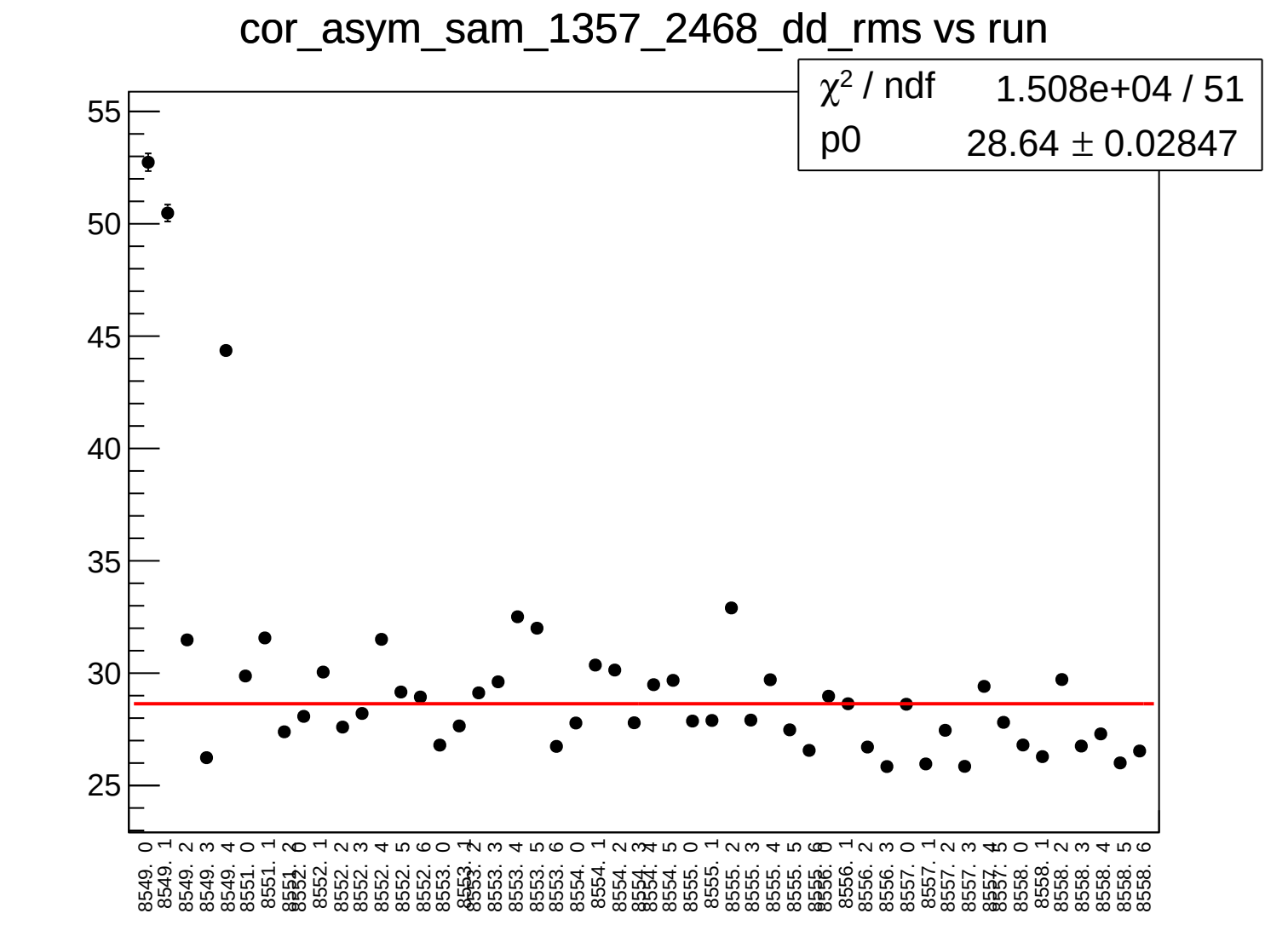

asym_sam_1357_2468_dd_reg_correction_mean vs run
χ² / ndf 65.66 / 51
p0 1268 ± 564.8
pull
Entries 52
Mean 7.301
Std Dev 0

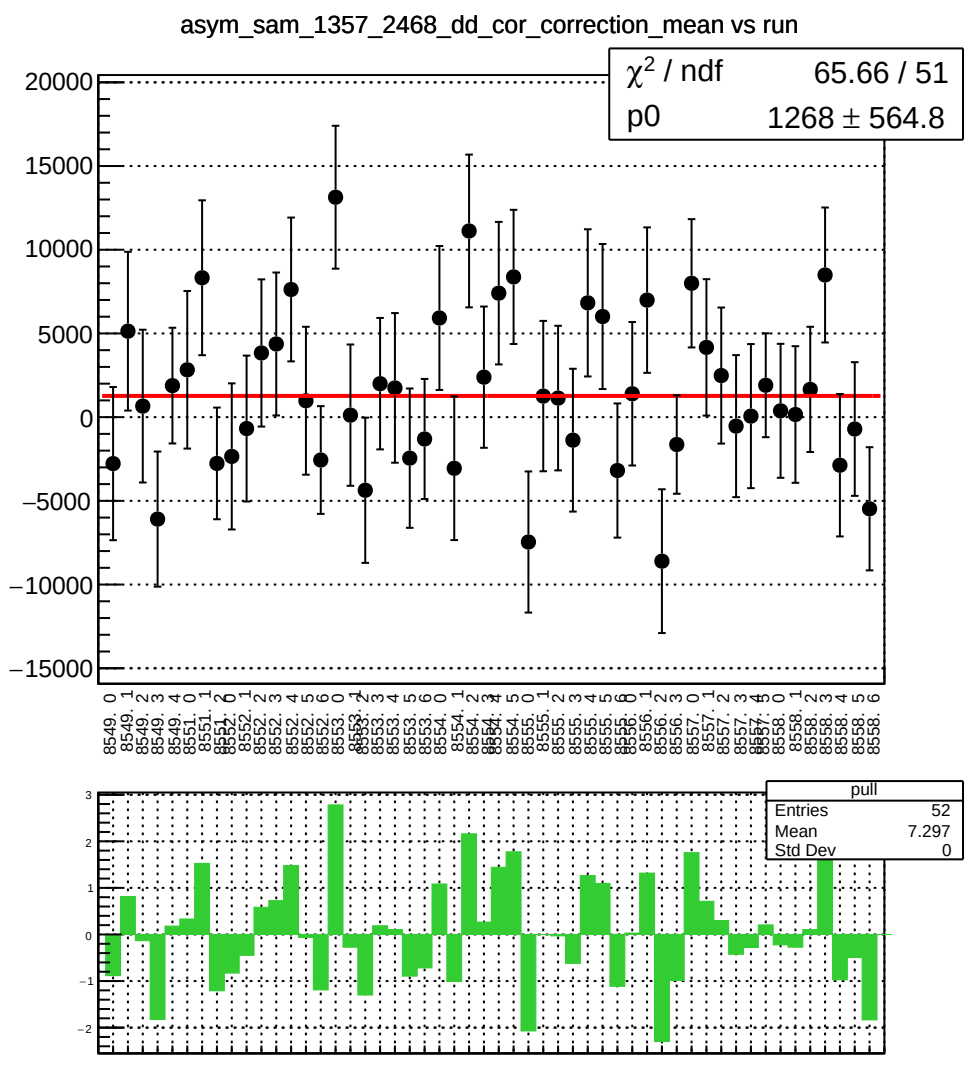

pull1D
Entries 52
Mean 0.03111
Std Dev 1.123

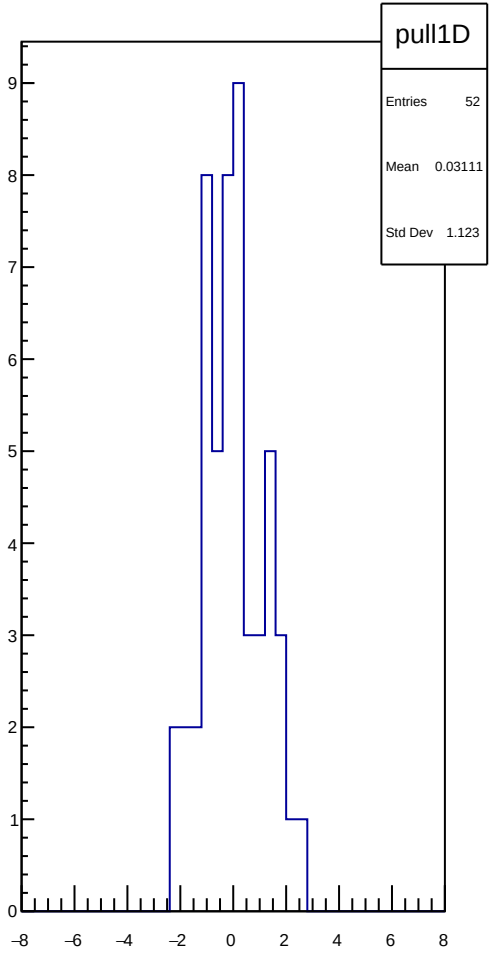

asym_sam_1357_2468_dd_reg_correction_rms vs run
χ² / ndf 2505 / 51
p0 404.2 ± 0.3994
460
440
420
400
380
360
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

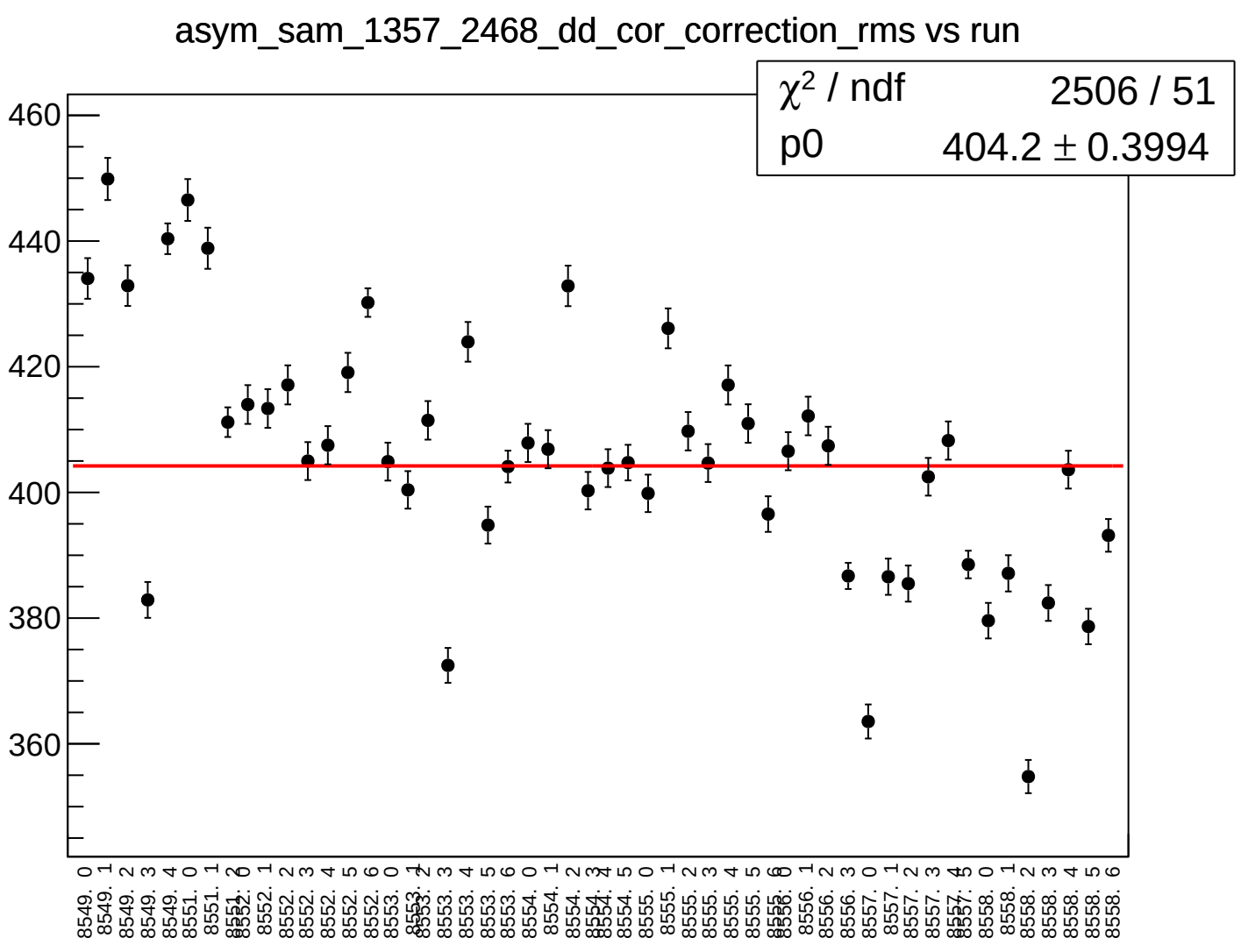

cor_asym_sam_1357_2468_dd_mean vs run
χ² / ndf 65 / 51
p0 −105.6 ± 40.27
pull
Entries 52
Mean 265.9
Std Dev 0


pull1D
Entries 52
Mean 0.01041
Std Dev 1.118


cor_asym_sam_1357_2468_dd_rms vs run
χ² / ndf 1.508e+04 / 51
p0 28.64 ± 0.02847
55
50
45
40
35
30
25
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 5
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6


asym_sam_1357_2468_dd_cor_correction_mean vs run
χ² / ndf 65.66 / 51
p0 1268 ± 564.8
pull
Entries 52
Mean 7.297
Std Dev 0


pull1D
Entries 52
Mean 0.03111
Std Dev 1.123


asym_sam_1357_2468_dd_cor_correction_rms vs run
χ² / ndf 2506 / 51
p0 404.2 ± 0.3994
460
440
420
400
380
360
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
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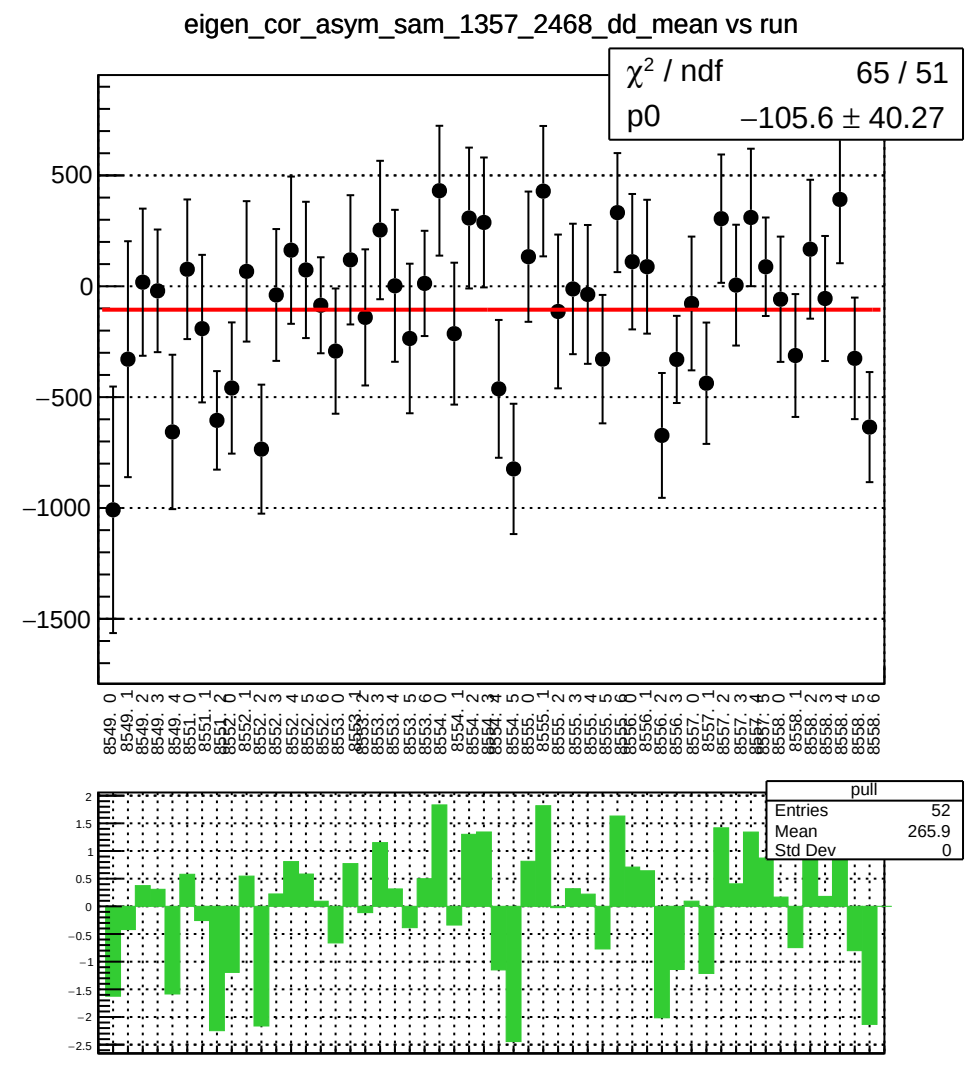
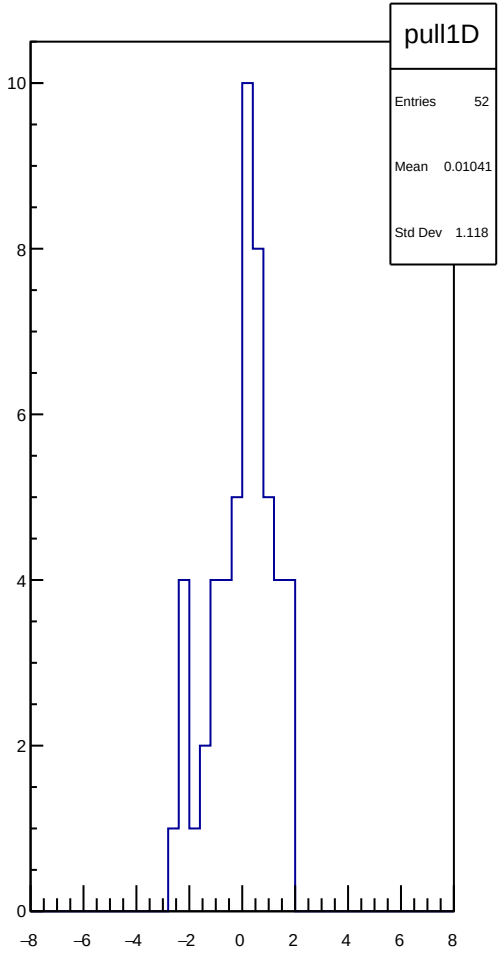
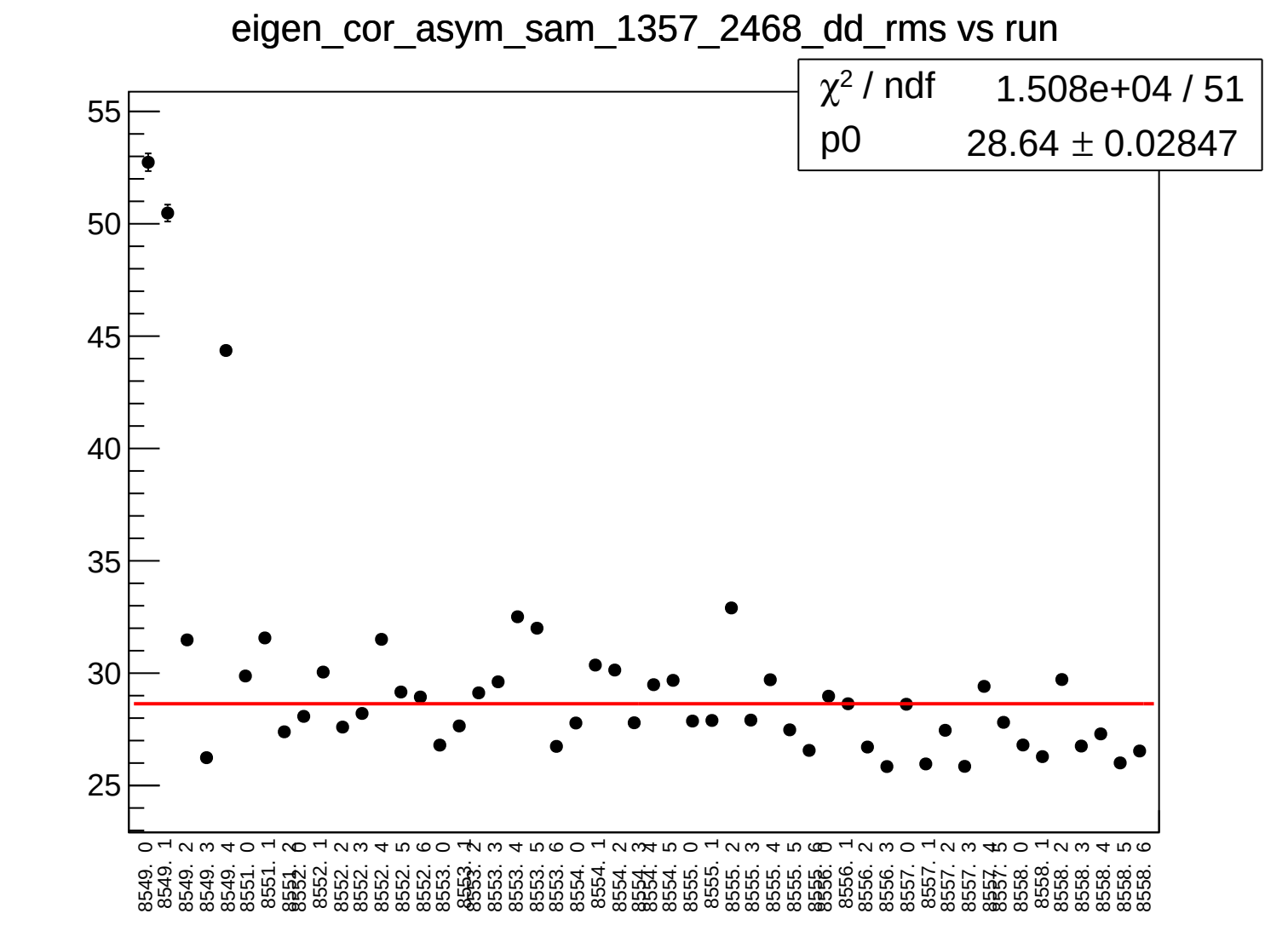
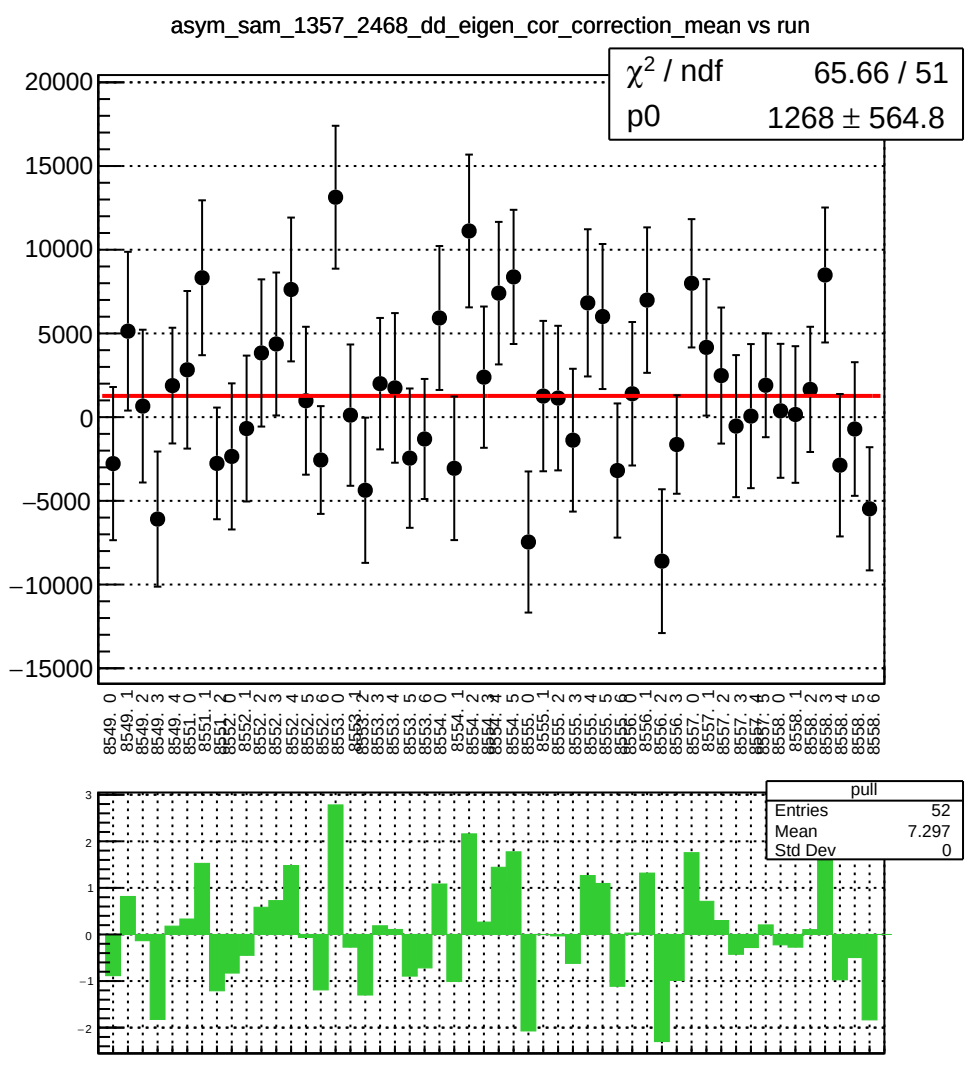
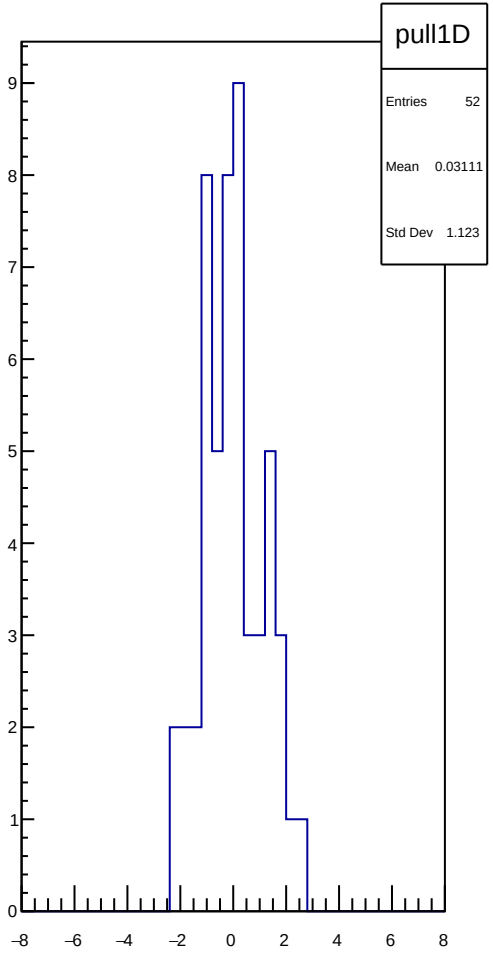
8558. 5
8558. 6

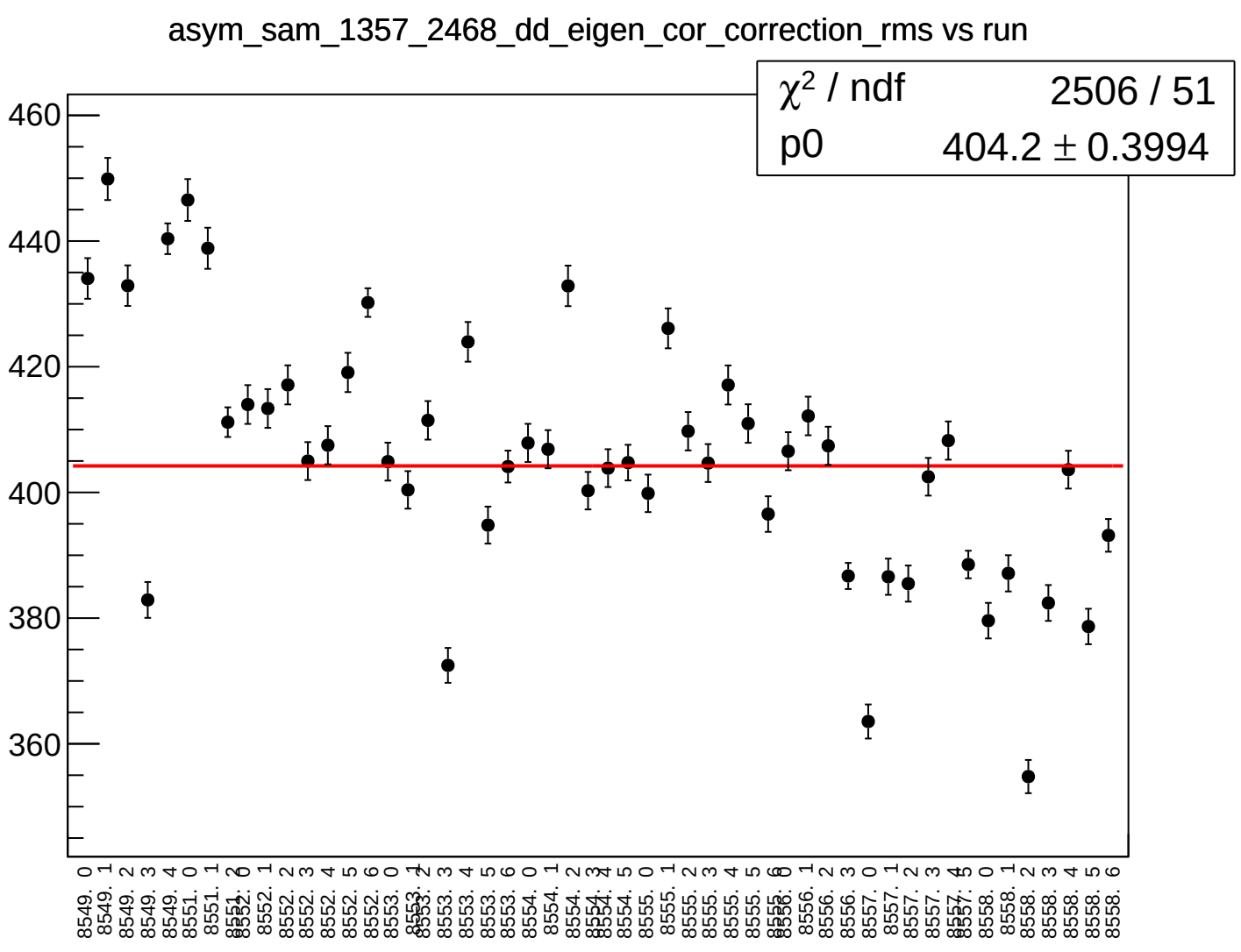

eigen_cor_asym_sam_1357_2468_dd_mean vs run
χ² / ndf 65 / 51
p0 −105.6 ± 40.27
500
0
−500
−1000
−1500
pull
Entries 52
Mean 265.9
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5


pull1D
Entries 52
Mean 0.01041
Std Dev 1.118
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


eigen_cor_asym_sam_1357_2468_dd_rms vs run
χ² / ndf 1.508e+04 / 51
p0 28.64 ± 0.02847
55
50
45
40
35
30
25
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 5
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6


asym_sam_1357_2468_dd_eigen_cor_correction_mean vs run
χ² / ndf 65.66 / 51
p0 1268 ± 564.8
pull
Entries 52
Mean 7.297
Std Dev 0


pull1D
Entries 52
Mean 0.03111
Std Dev 1.123


asym_sam_1357_2468_dd_eigen_cor_correction_rms vs run
χ² / ndf 2506 / 51
p0 404.2 ± 0.3994
460
440
420
400
380
360
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
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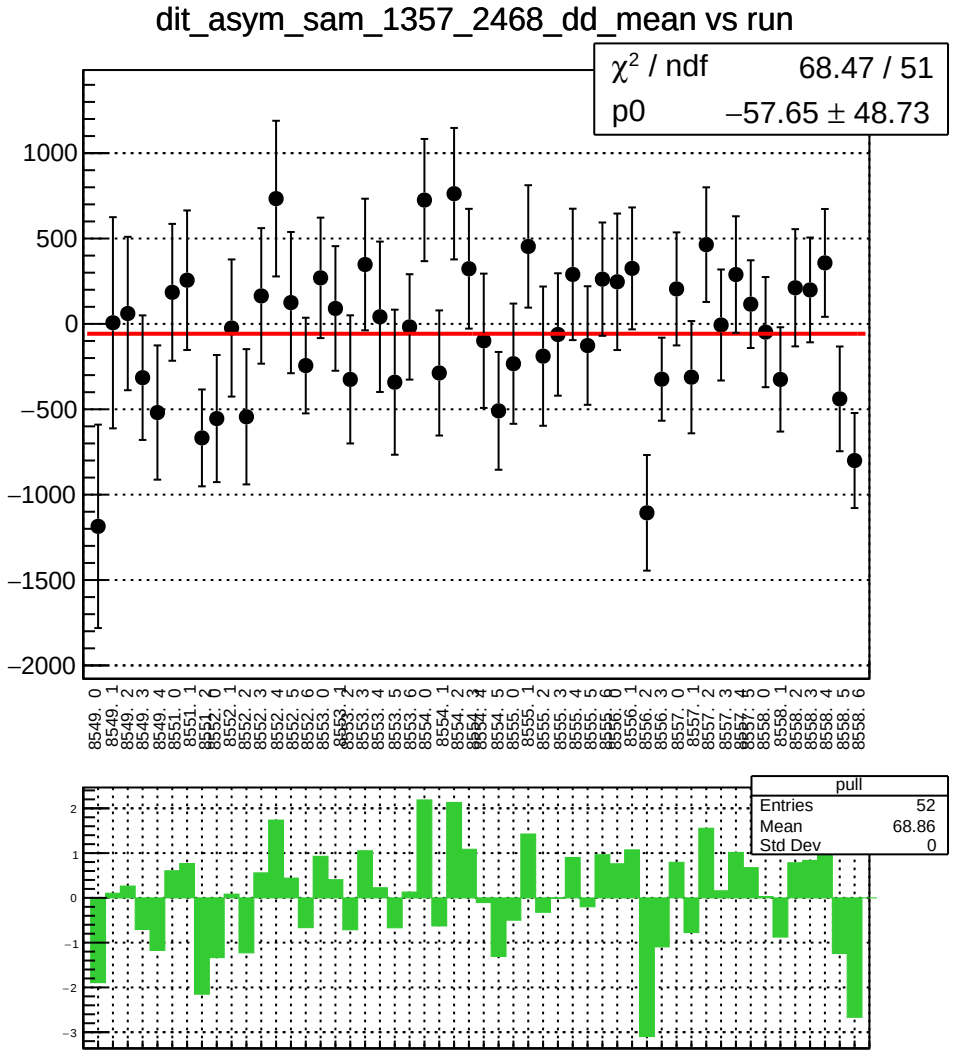
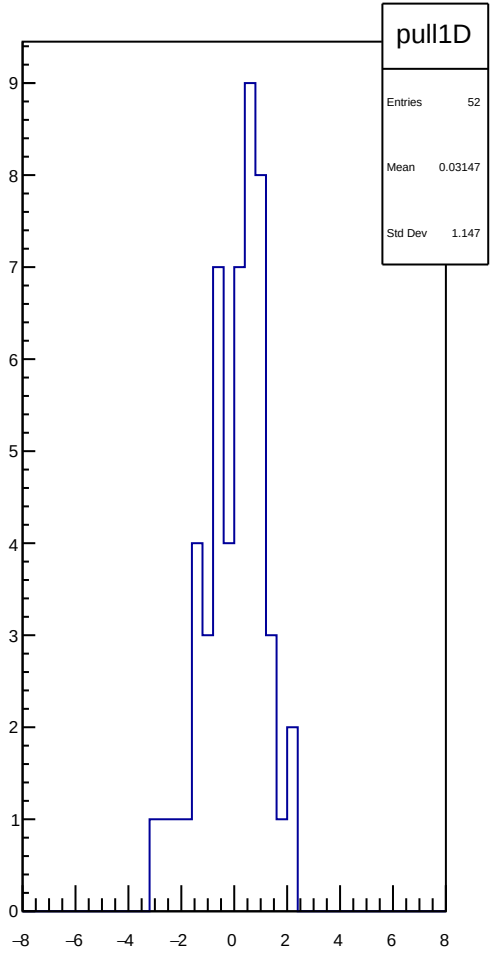
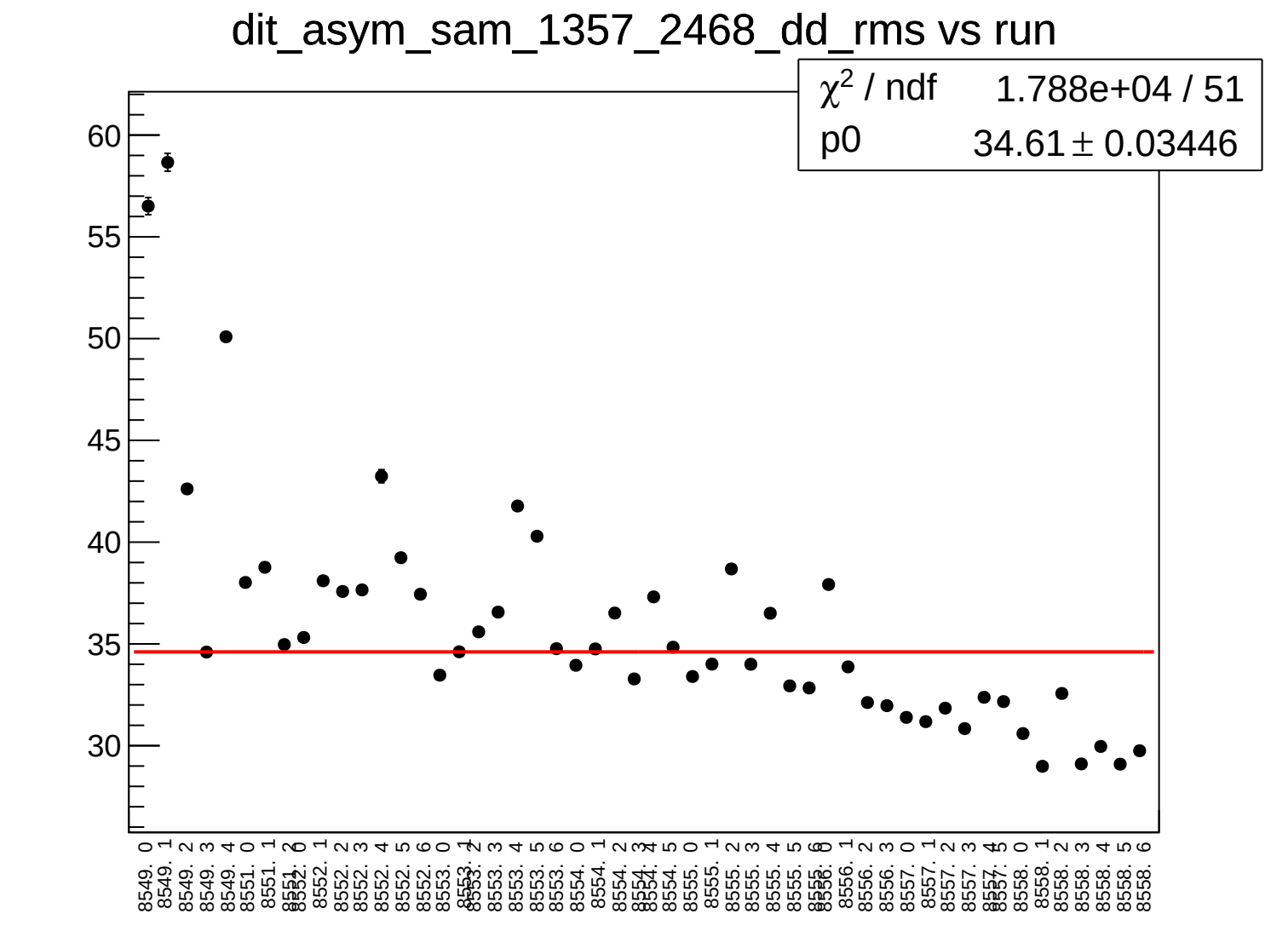
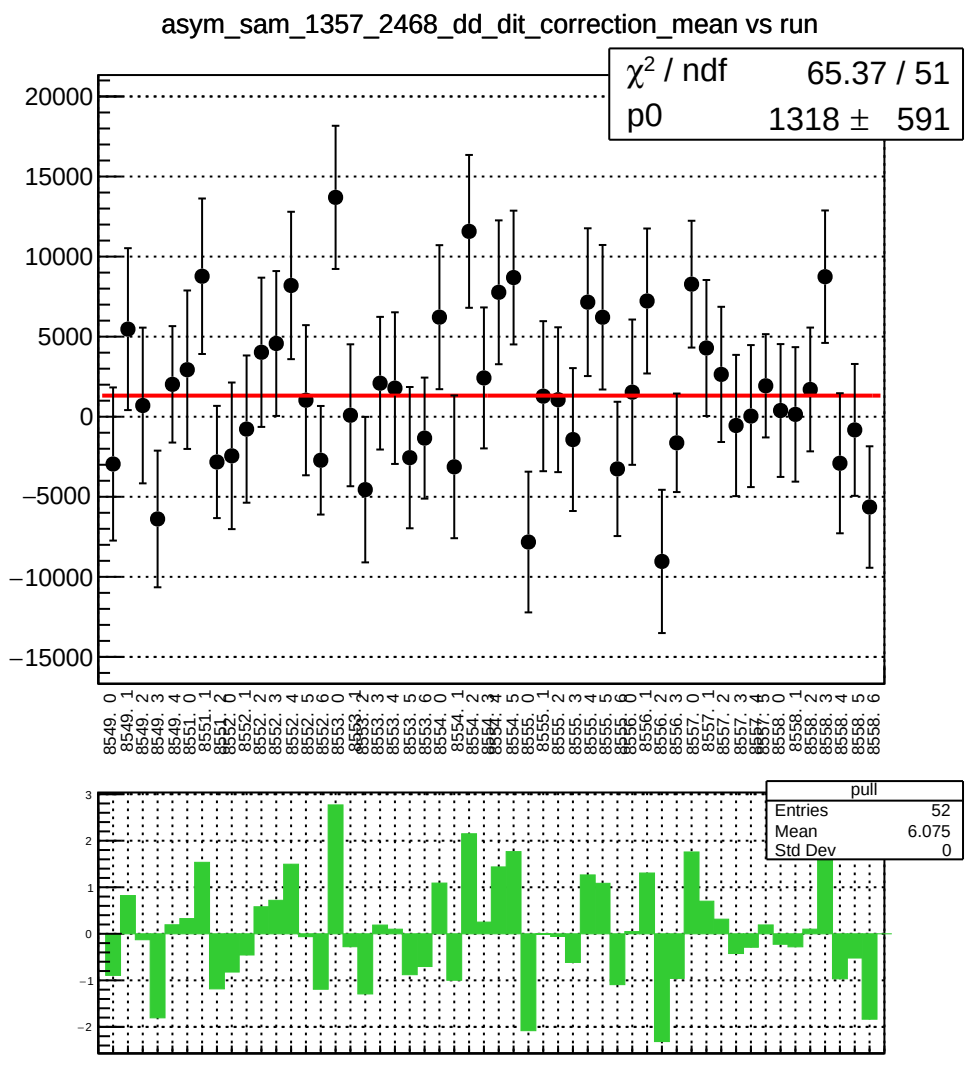
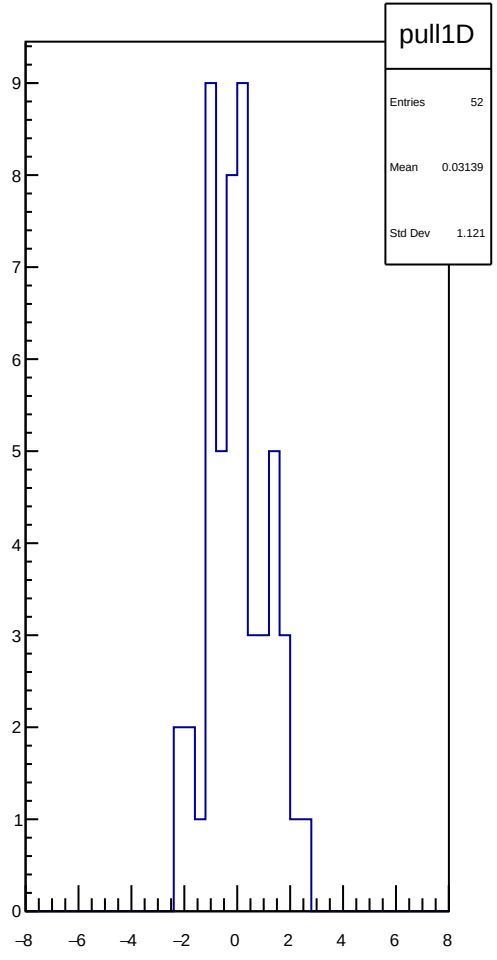
8558. 5
8558. 6

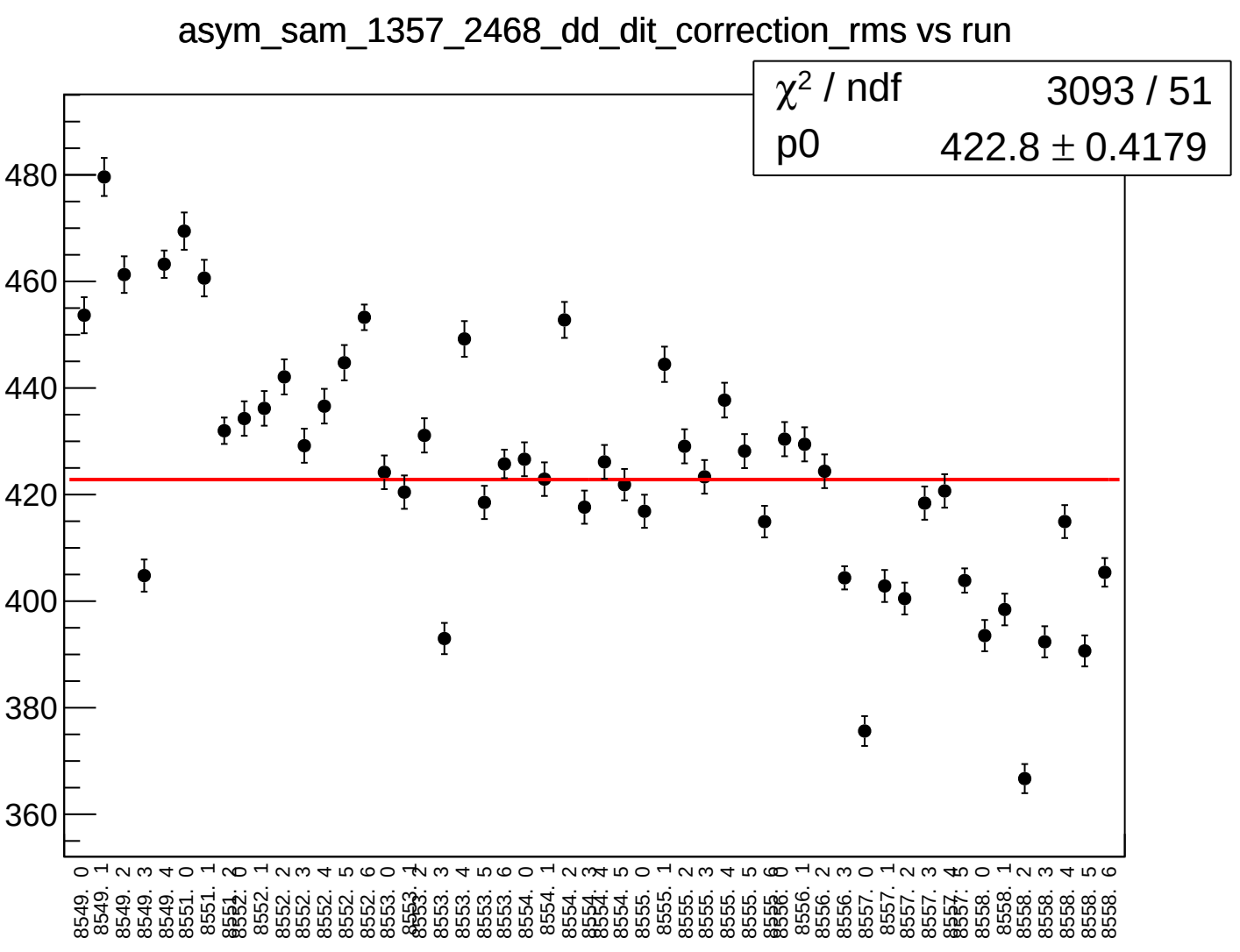

dit_asym_sam_1357_2468_dd_mean vs run
χ² / ndf 68.47 / 51
p0 −57.65 ± 48.73
1000
500
0
−500
−1000
−1500
−2000
pull
Entries 52
Mean 68.86
Std Dev 0
2
1
0
−1
−2
−3


pull1D
Entries 52
Mean 0.03147
Std Dev 1.147
9
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 1.788e+04 / 51
p0 34.61 ± 0.03446
60
55
50
45
40
35
30
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 5
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6


asym_sam_1357_2468_dd_dit_correction_mean vs run
χ² / ndf 65.37 / 51
p0 1318 ± 591
pull
Entries 52
Mean 6.075
Std Dev 0


pull1D
Entries 52
Mean 0.03139
Std Dev 1.121


asym_sam_1357_2468_dd_dit_correction_rms vs run
χ² / ndf 3093 / 51
p0 422.8 ± 0.4179
480
460
440
420
400
380
360
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
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8558. 0
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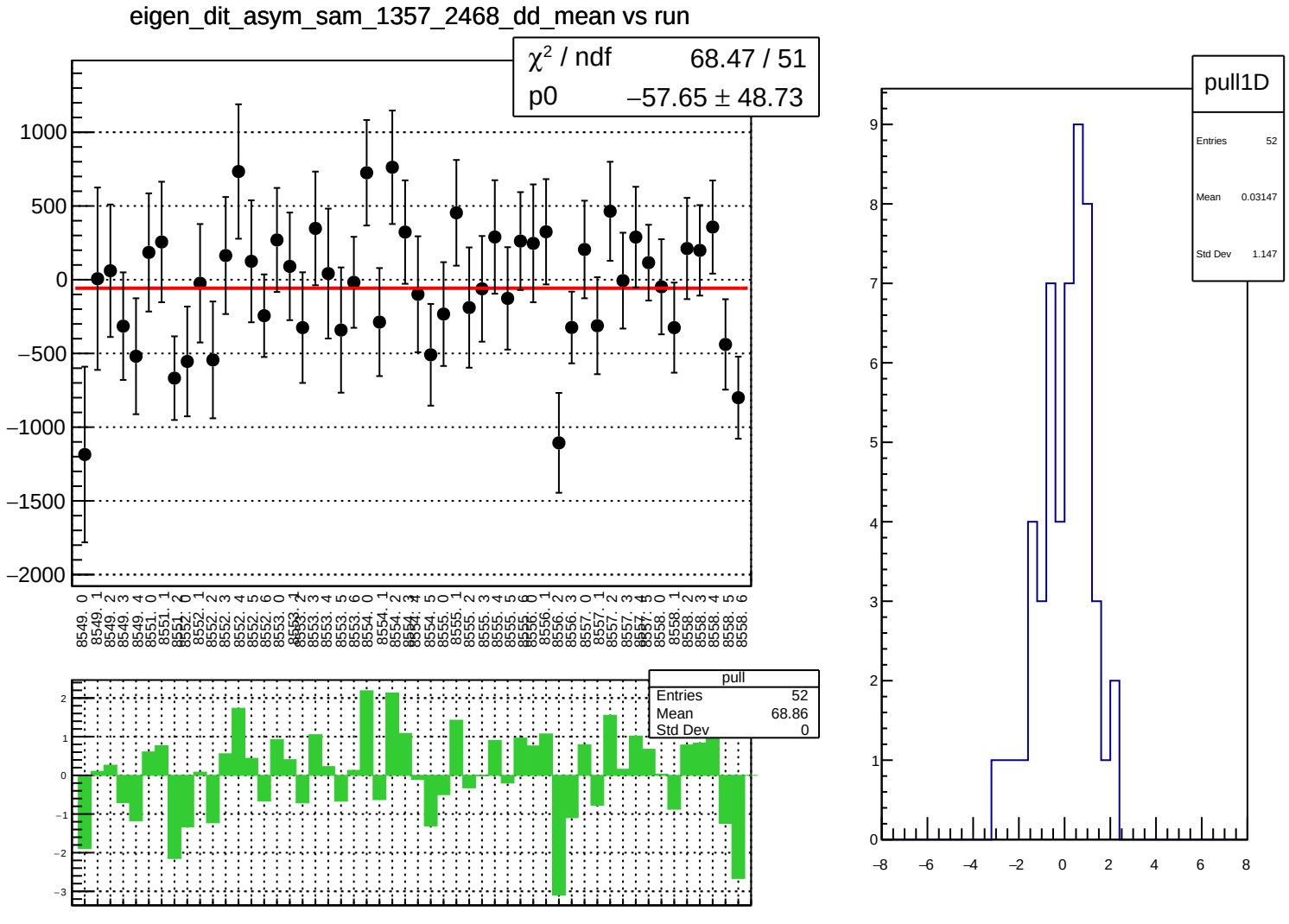
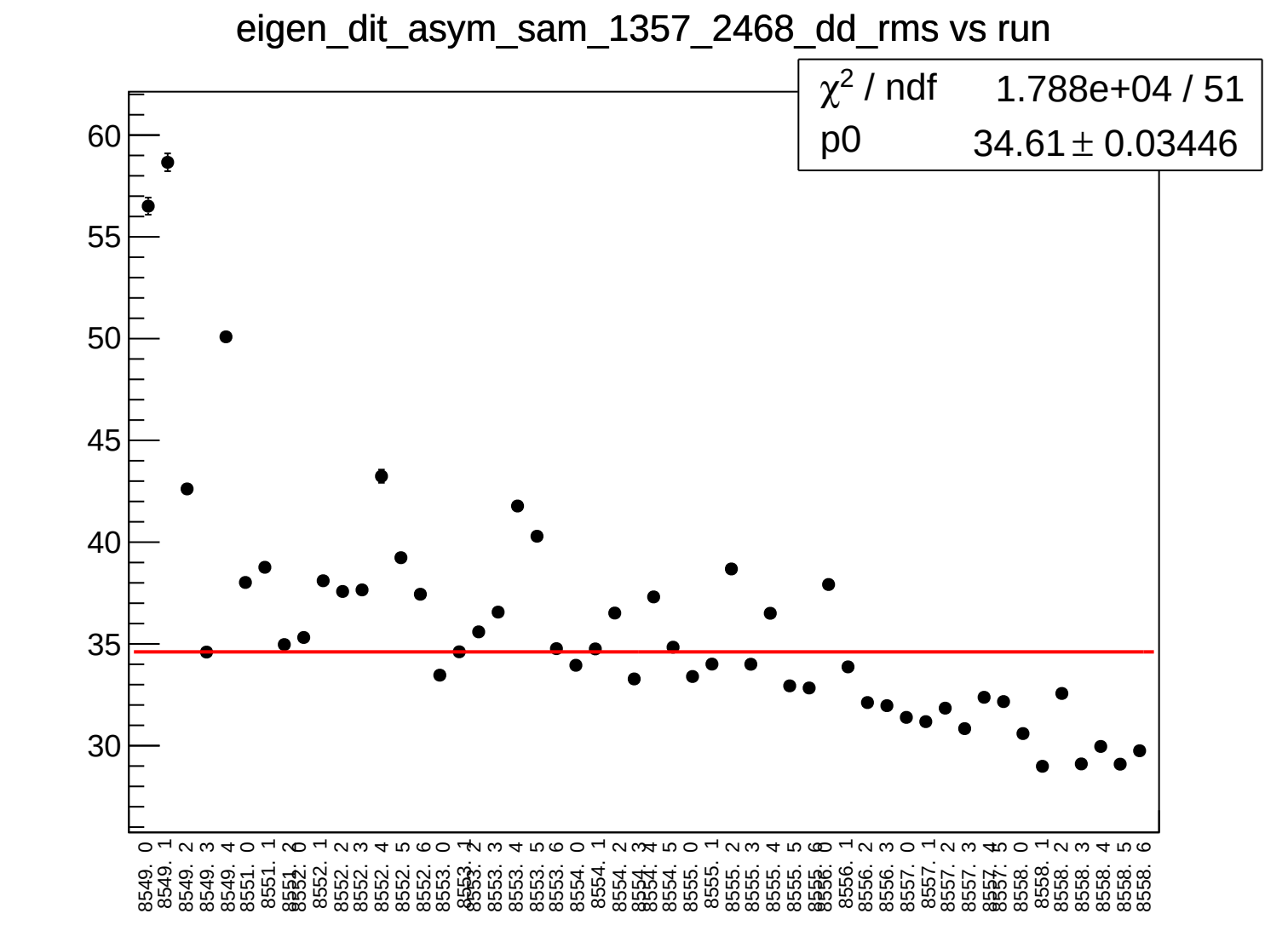
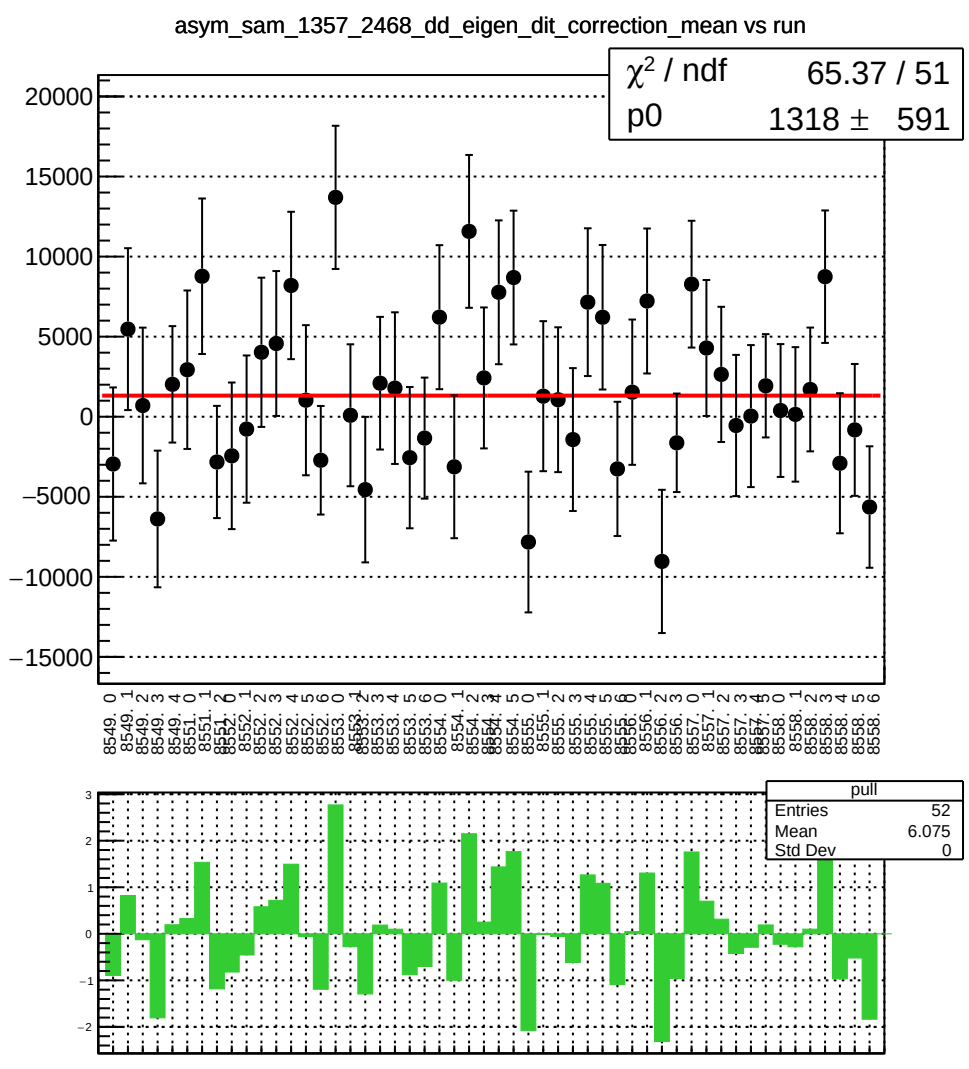
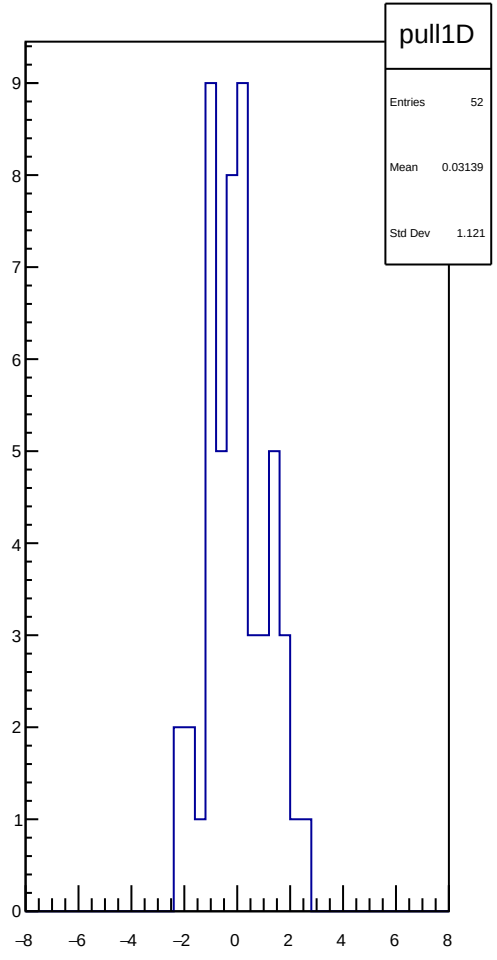
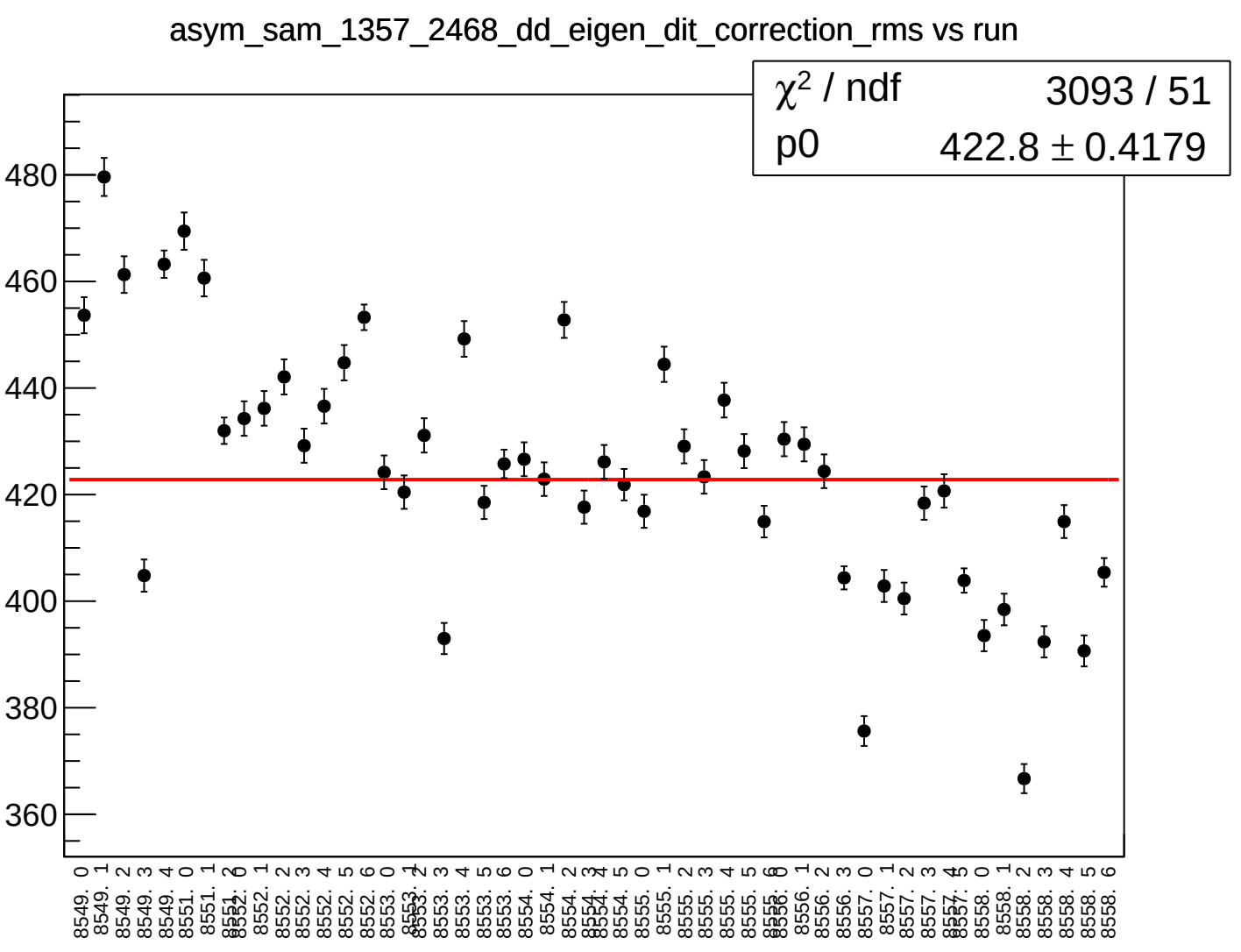
8558. 5
8558. 6


eigen_dit_asym_sam_1357_2468_dd_mean vs run
χ² / ndf 68.47 / 51
p0 −57.65 ± 48.73
pull
Entries 52
Mean 68.86
Std Dev 0
pull1D
Entries 52
Mean 0.03147
Std Dev 1.147


eigen_dit_asym_sam_1357_2468_dd_rms vs run
χ² / ndf 1.788e+04 / 51
p0 34.61 ± 0.03446
60
55
50
45
40
35
30
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 5
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6


asym_sam_1357_2468_dd_eigen_dit_correction_mean vs run
χ² / ndf 65.37 / 51
p0 1318 ± 591
pull
Entries 52
Mean 6.075
Std Dev 0


pull1D
Entries 52
Mean 0.03139
Std Dev 1.121


asym_sam_1357_2468_dd_eigen_dit_correction_rms vs run
χ² / ndf 3093 / 51
p0 422.8 ± 0.4179
480
460
440
420
400
380
360
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 5
8555. 0
8555. 1
8555. 2
8555. 3
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8556. 1
8556. 2
8556. 3
8557. 0
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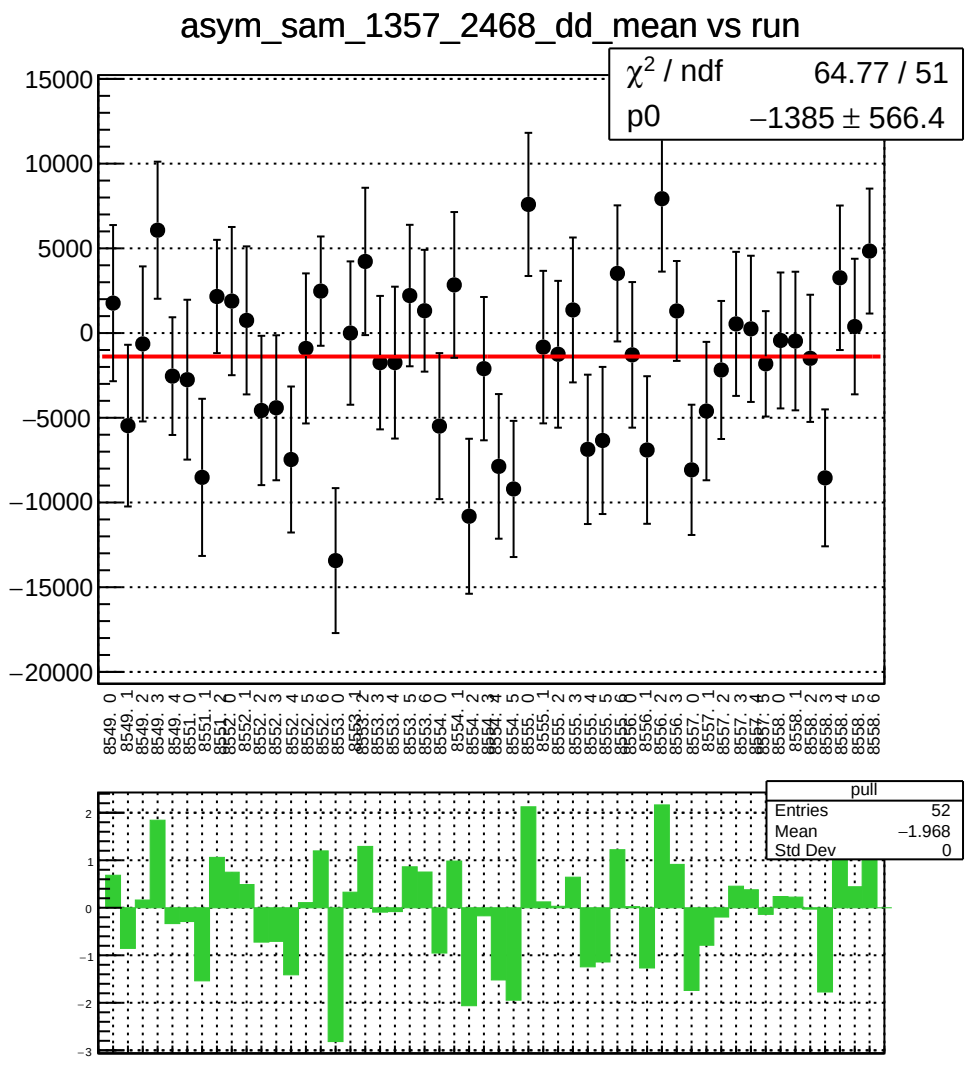
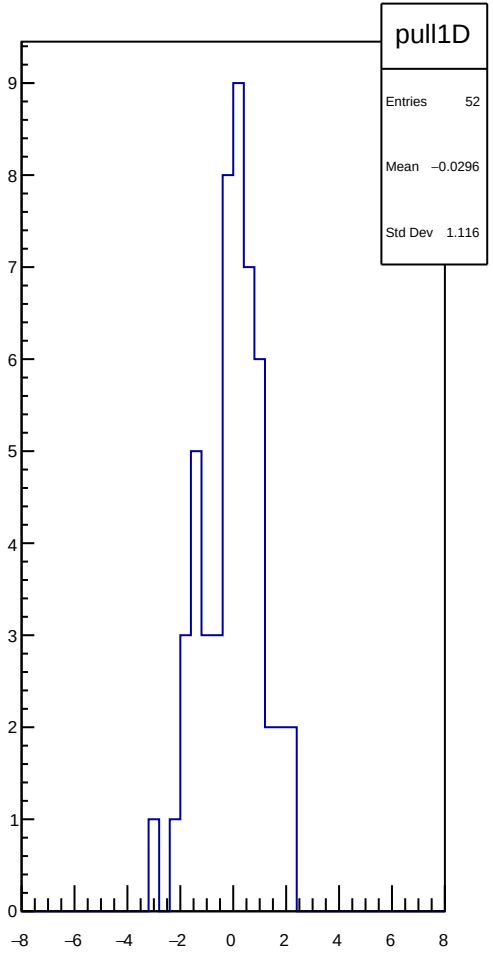
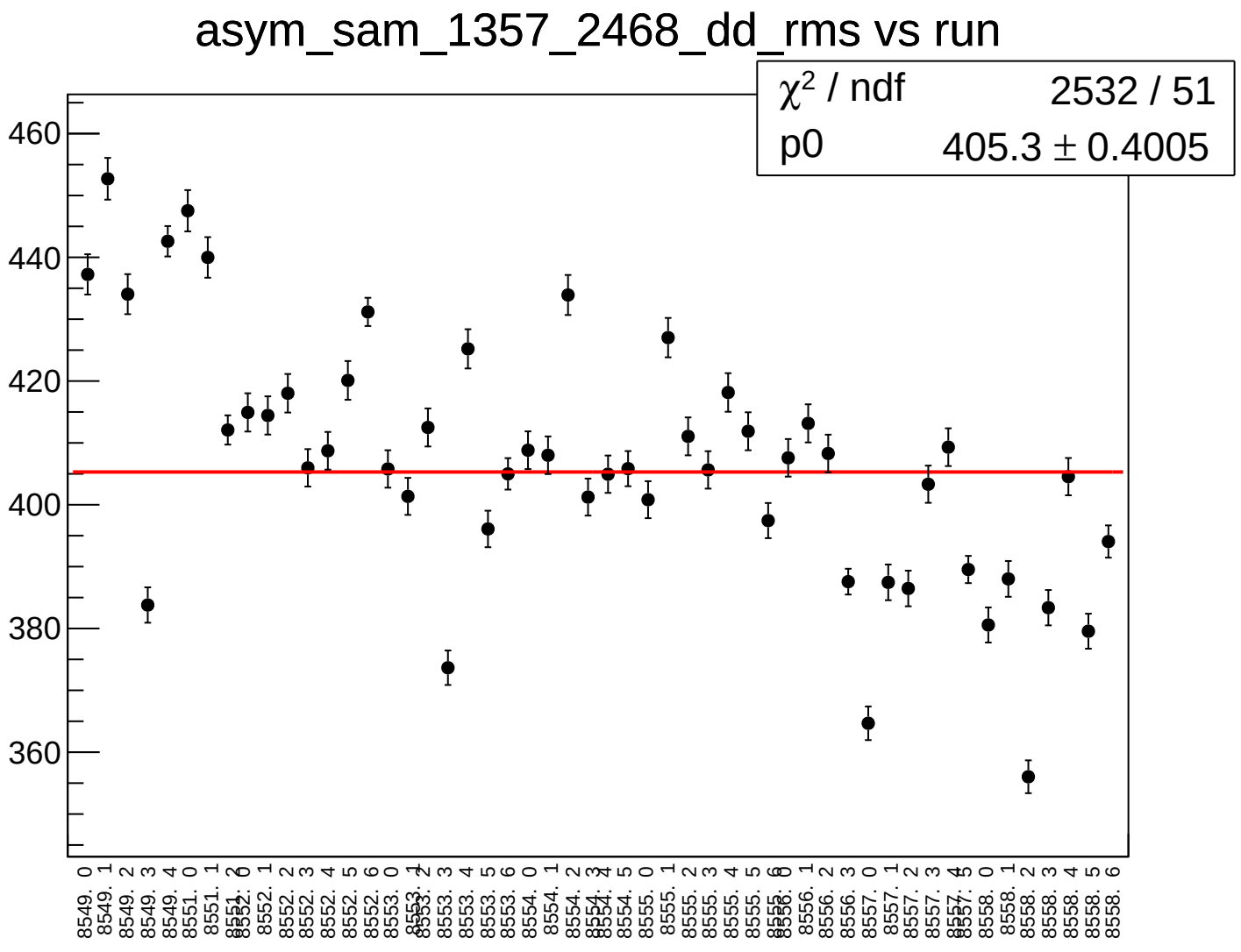
8558. 6


asym_sam_1357_2468_dd_mean vs run
χ² / ndf 64.77 / 51
p0 −1385 ± 566.4
pull
Entries 52
Mean −1.968
Std Dev 0


pull1D
Entries 52
Mean −0.0296
Std Dev 1.116


asym_sam_1357_2468_dd_rms vs run
χ² / ndf 2532 / 51
p0 405.3 ± 0.4005
460
440
420
400
380
360
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
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8554. 2
8554. 5
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
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8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
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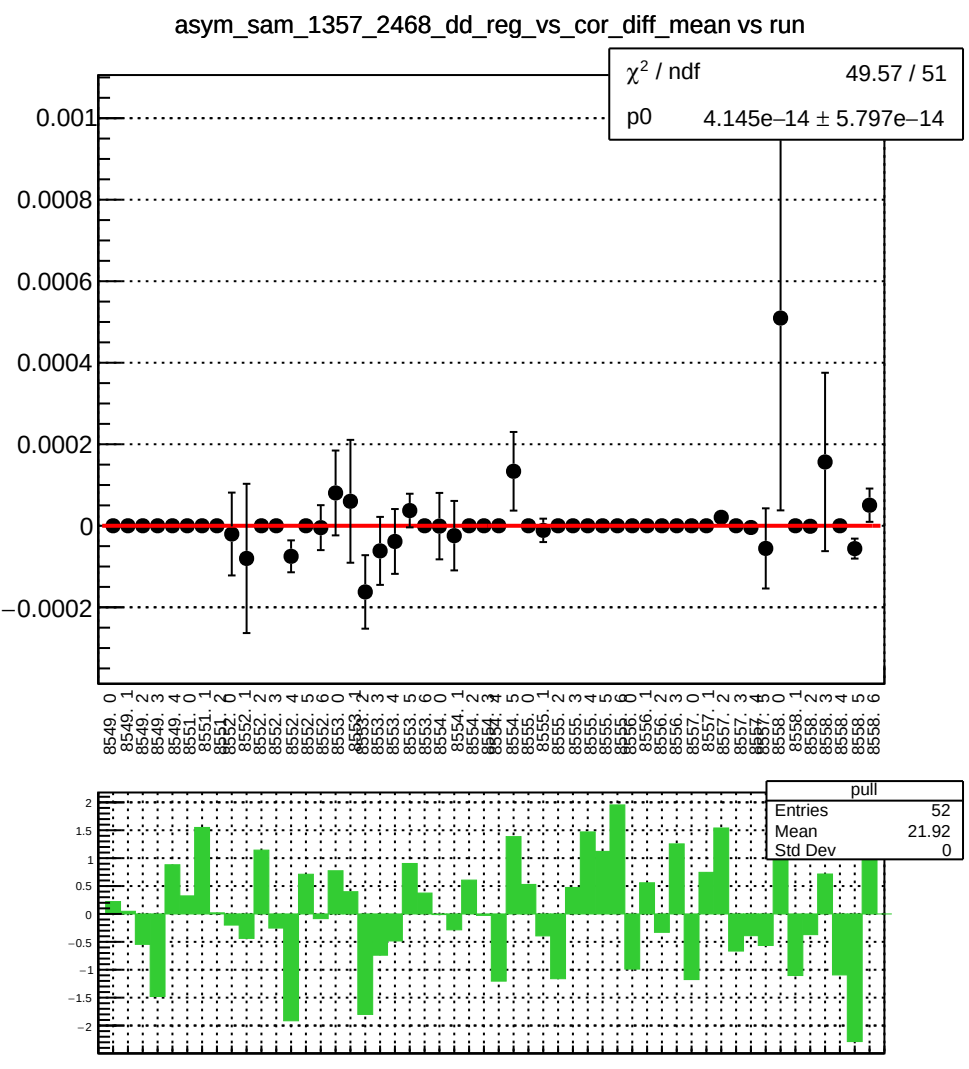
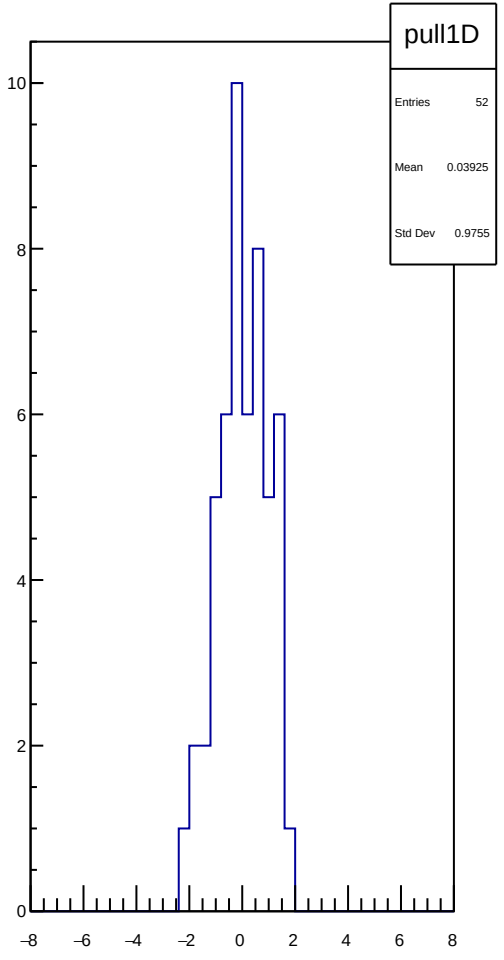
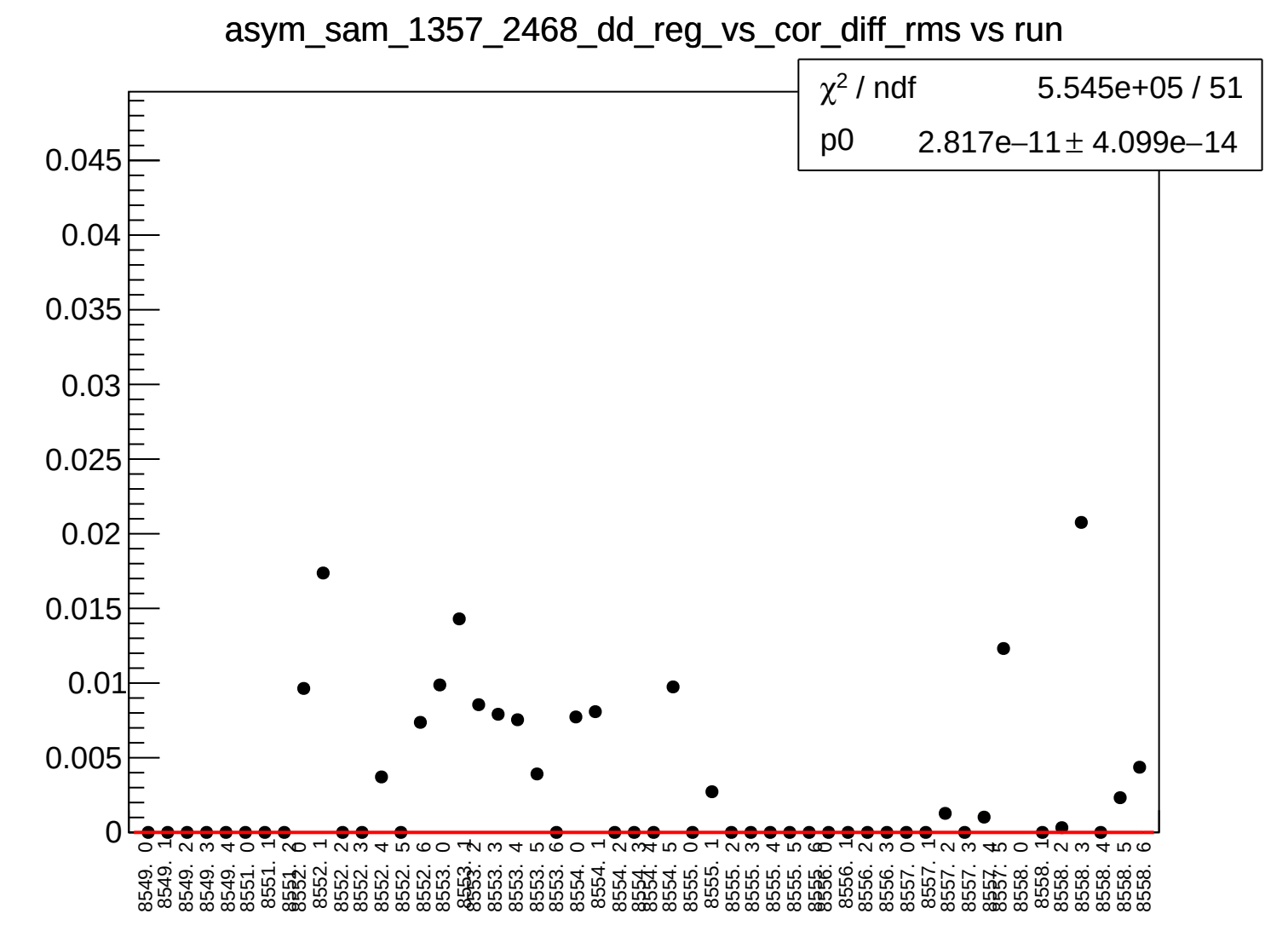
8558. 5
8558. 6


asym_sam_1357_2468_dd_reg_vs_cor_diff_mean vs run
χ² / ndf 49.57 / 51
p0 4.145e−14 ± 5.797e−14
0.001
0.0008
0.0006
0.0004
0.0002
0
−0.0002
pull
Entries 52
Mean 21.92
Std Dev 0


pull1D
Entries 52
Mean 0.03925
Std Dev 0.9755


asym_sam_1357_2468_dd_reg_vs_cor_diff_rms vs run
χ² / ndf 5.545e+05 / 51
p0 2.817e−11 ± 4.099e−14
0.045
0.04
0.035
0.03
0.025
0.02
0.015
0.01
0.005
0
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 0
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 1
8553. 2
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 3
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8557. 0
8557. 1
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8558. 0
8558. 1
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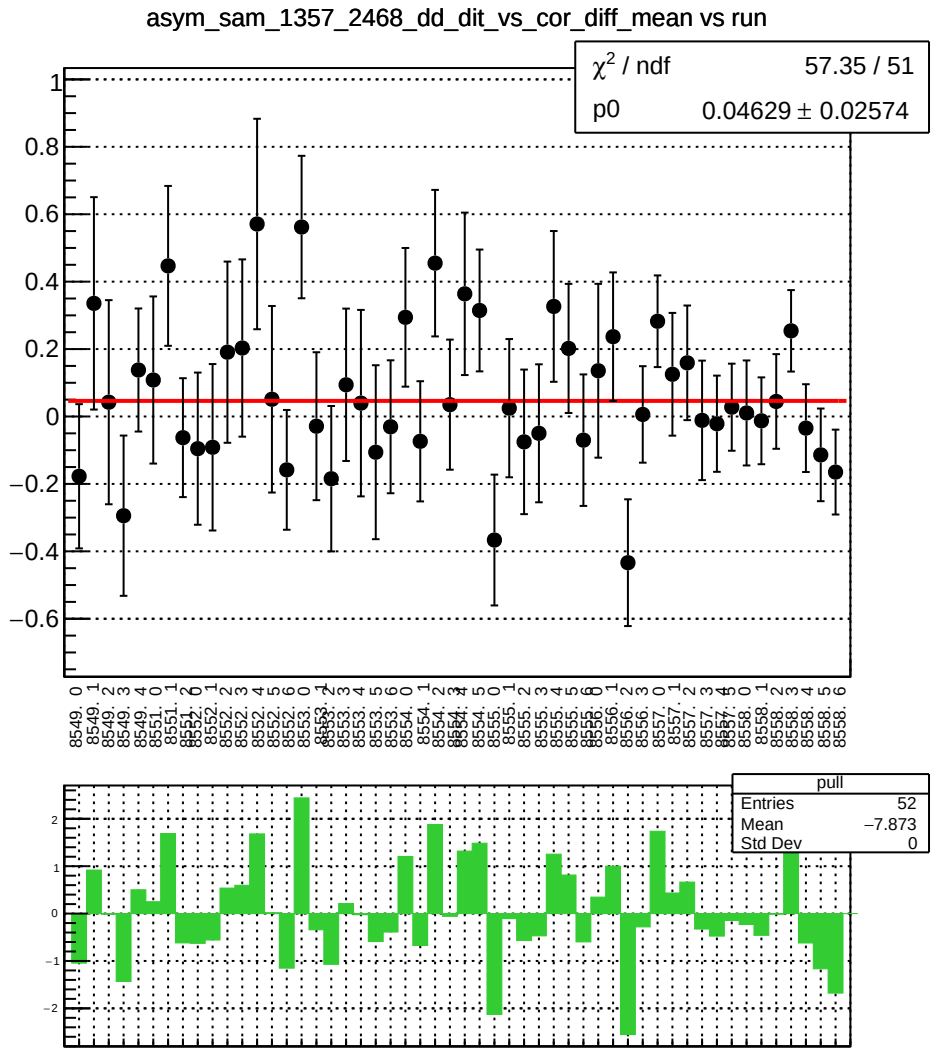
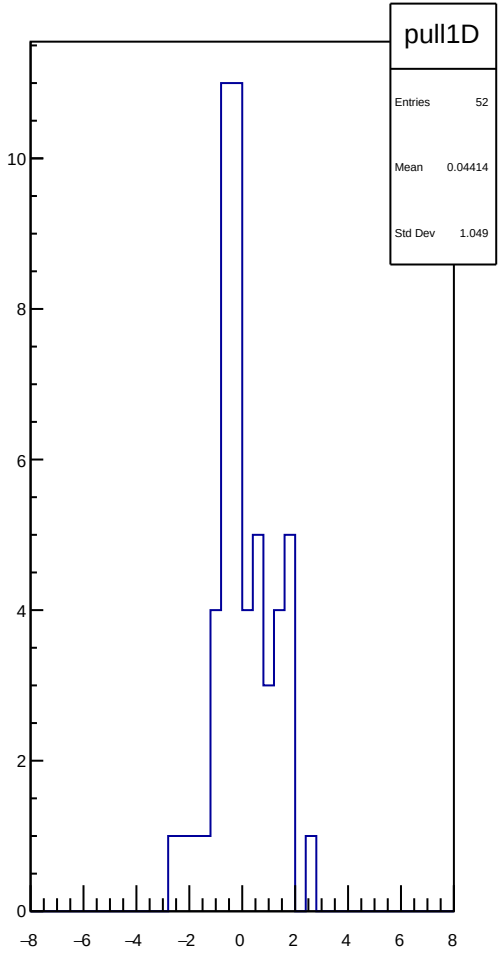
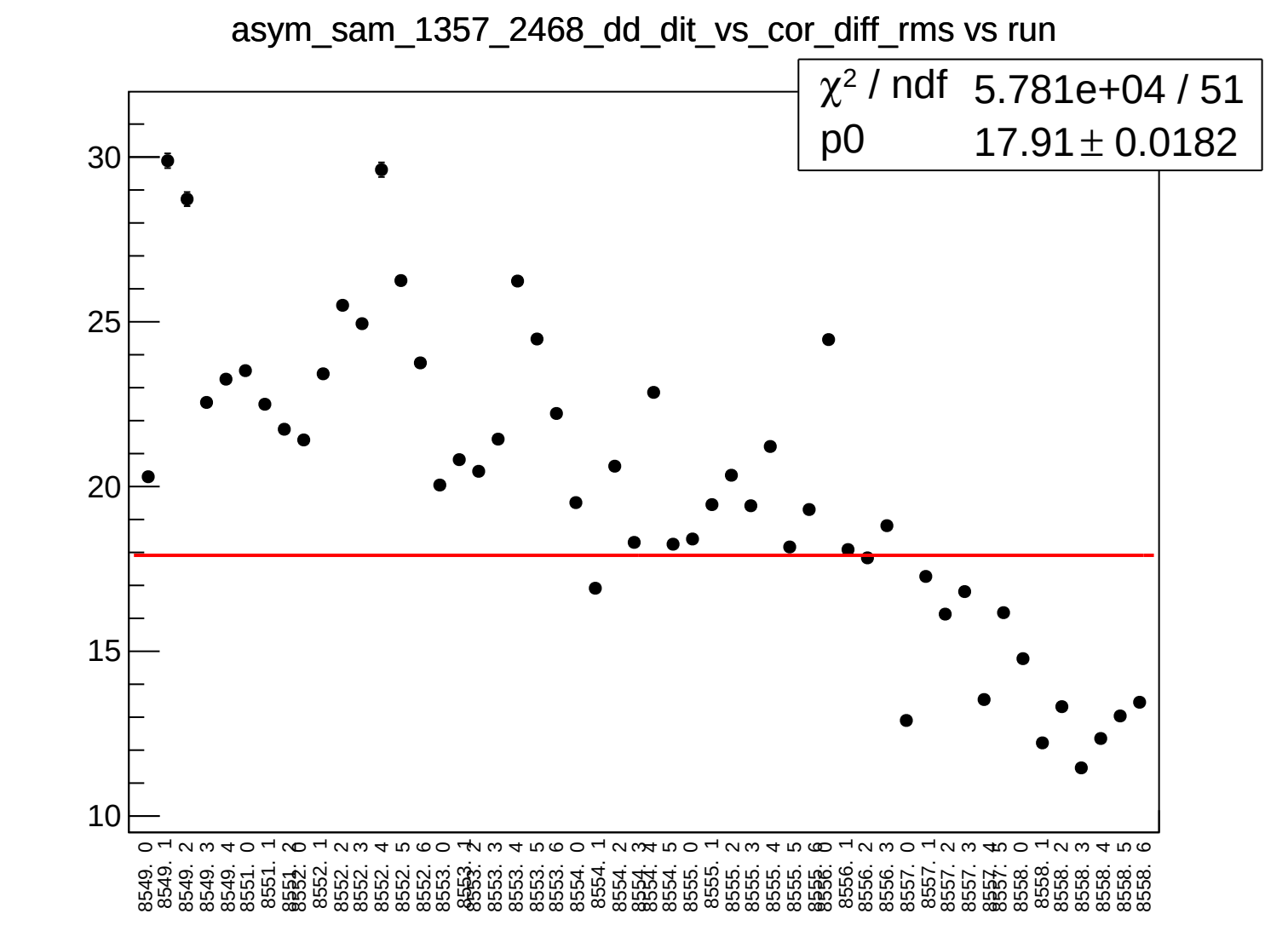
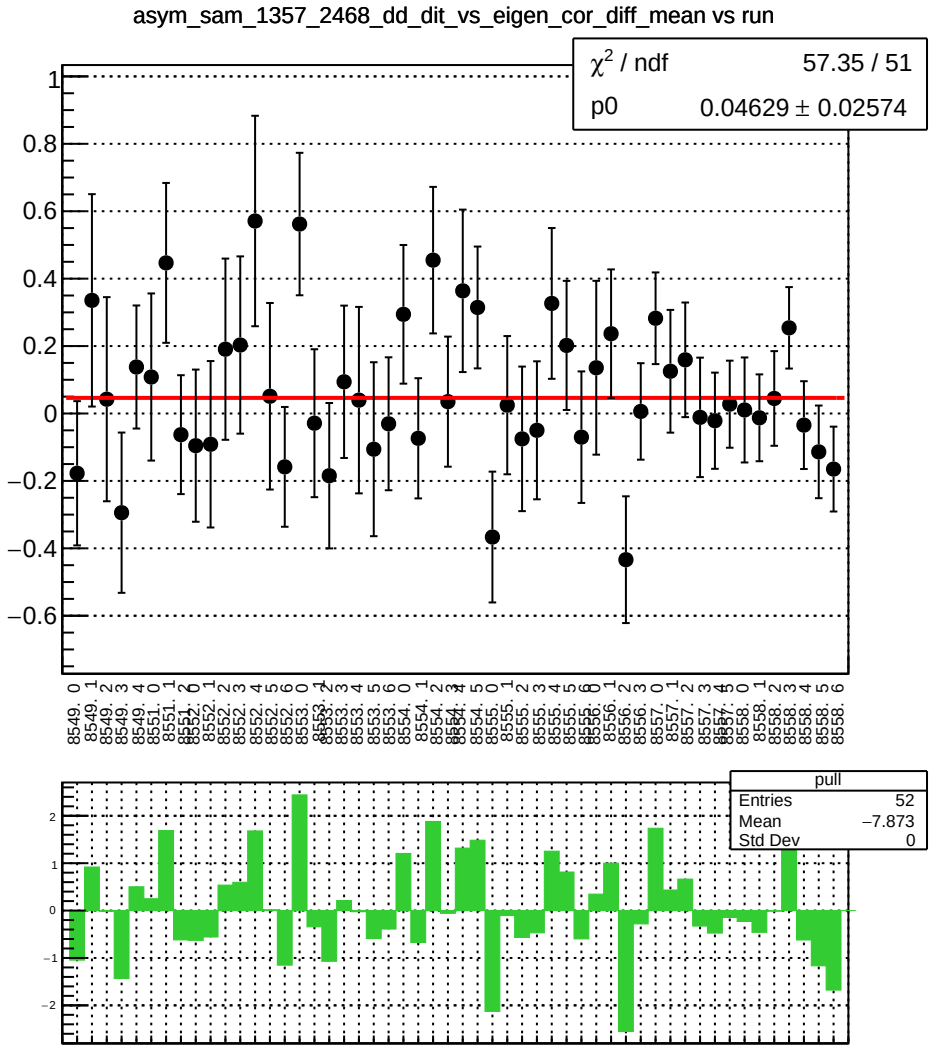
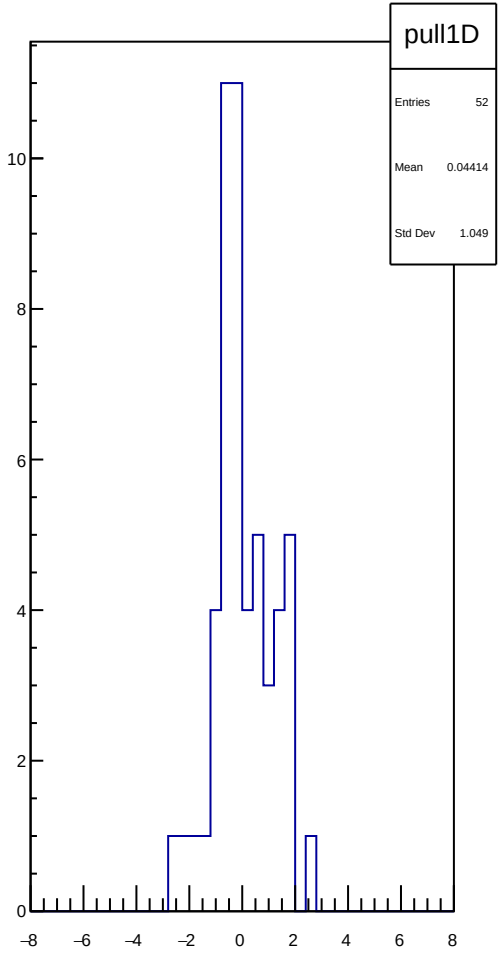
8558. 5
8558. 6

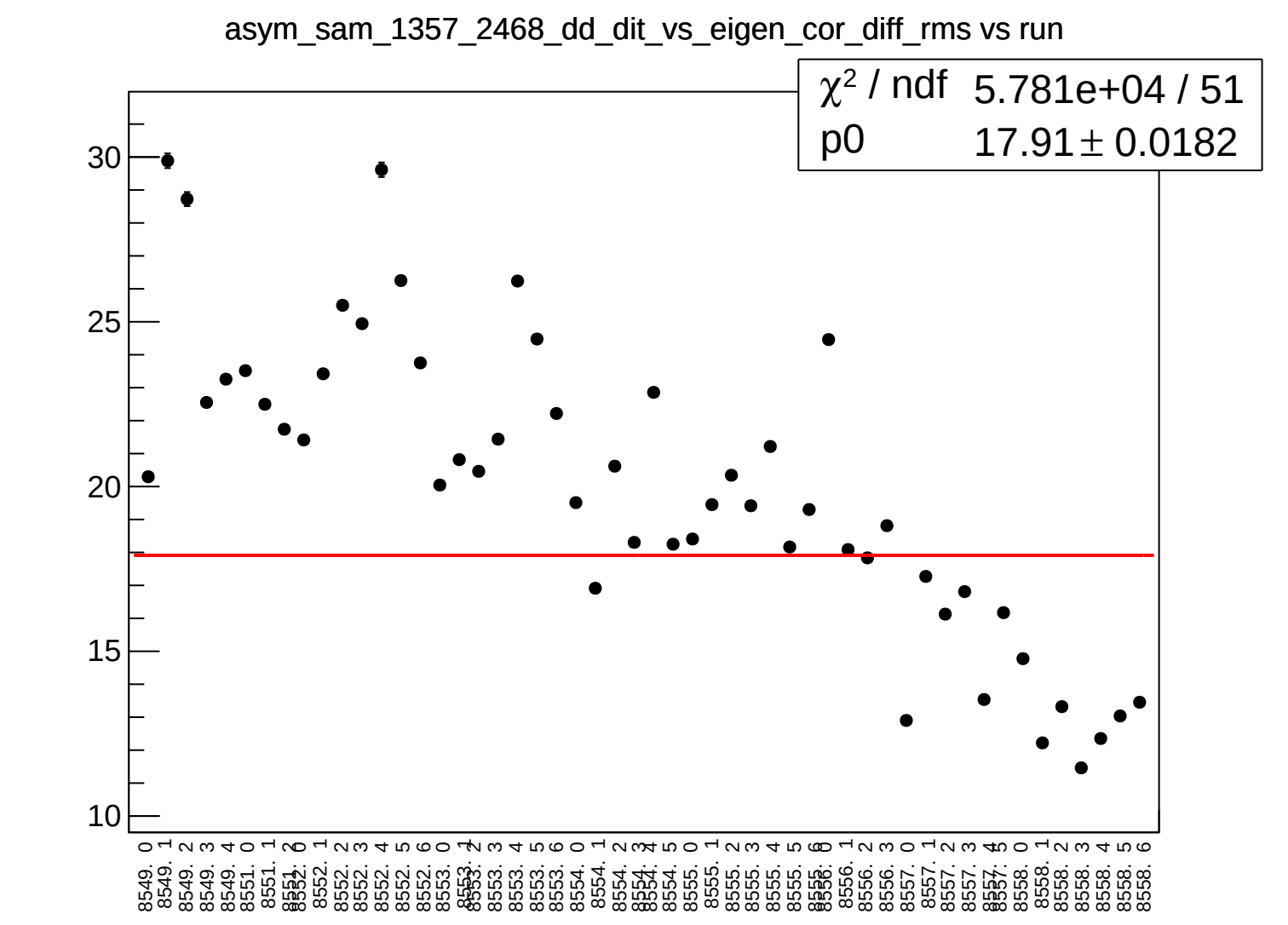

asym_sam_1357_2468_dd_dit_vs_cor_diff_mean vs run
χ² / ndf 57.35 / 51
p0 0.04629 ± 0.02574
pull
Entries 52
Mean −7.873
Std Dev 0


pull1D
Entries 52
Mean 0.04414
Std Dev 1.049


asym_sam_1357_2468_dd_dit_vs_cor_diff_rms vs run
χ² / ndf 5.781e+04 / 51
p0 17.91 ± 0.0182
30
25
20
15
10
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6


asym_sam_1357_2468_dd_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 57.35 / 51
p0 0.04629 ± 0.02574
pull
Entries 52
Mean −7.873
Std Dev 0


pull1D
Entries 52
Mean 0.04414
Std Dev 1.049


asym_sam_1357_2468_dd_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 5.781e+04 / 51
p0 17.91 ± 0.0182
30
25
20
15
10
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
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8557. 3
8558. 0
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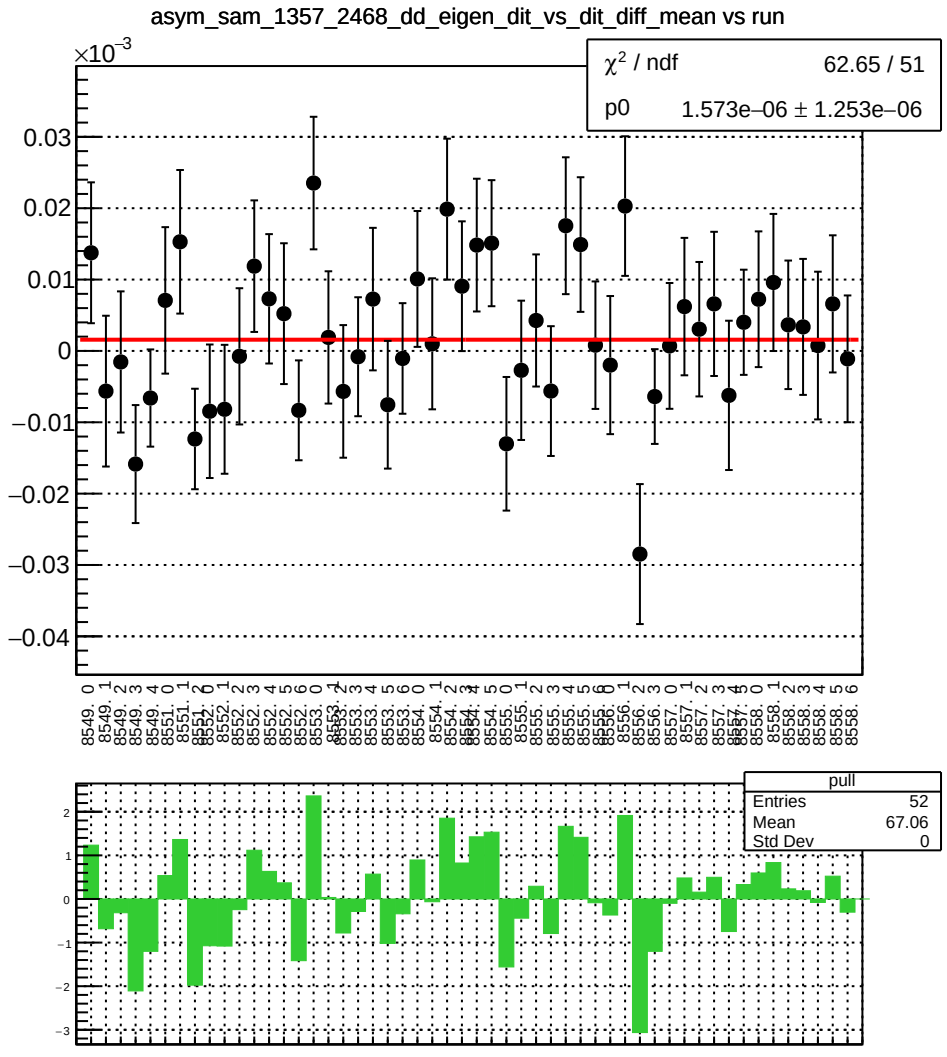
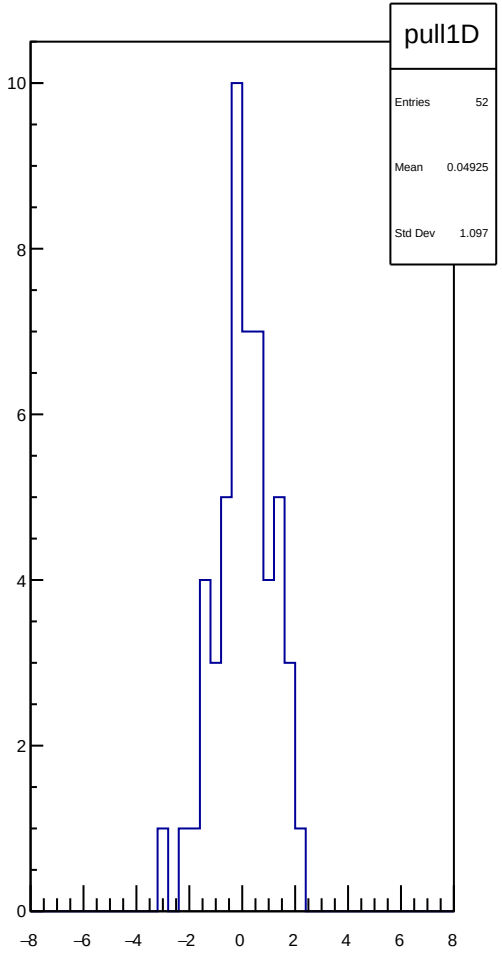
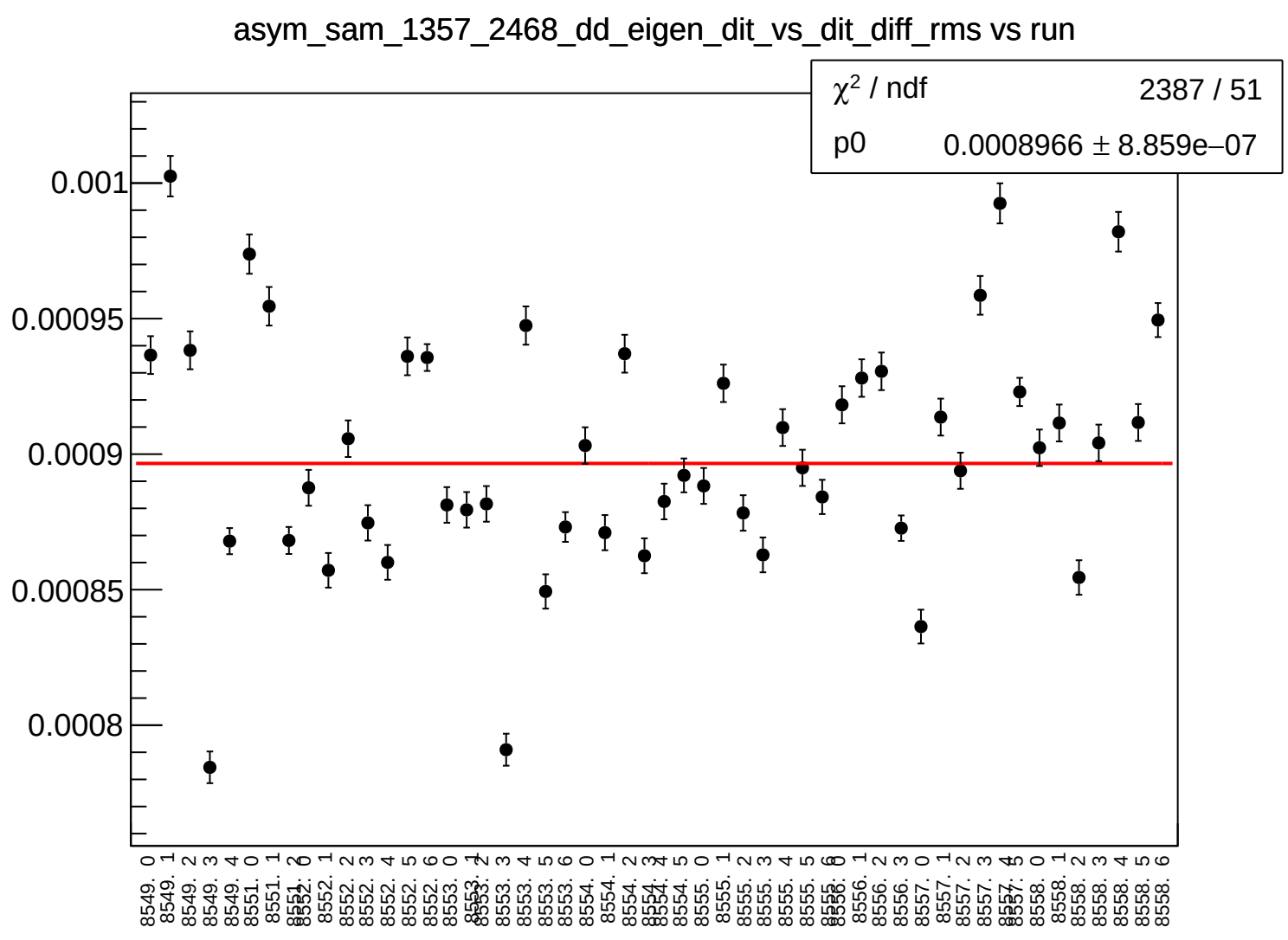
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6


asym_sam_1357_2468_dd_eigen_dit_vs_dit_diff_mean vs run
×10−3
χ2 / ndf 62.65 / 51
p0 1.573e−06 ± 1.253e−06
pull
Entries 52
Mean 67.06
Std Dev 0


pull1D
Entries 52
Mean 0.04925
Std Dev 1.097


asym_sam_1357_2468_dd_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 2387 / 51
p0 0.0008966 ± 8.859e−07
0.001
0.00095
0.0009
0.00085
0.0008
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 5
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
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8557. 3
8558. 0
8558. 1
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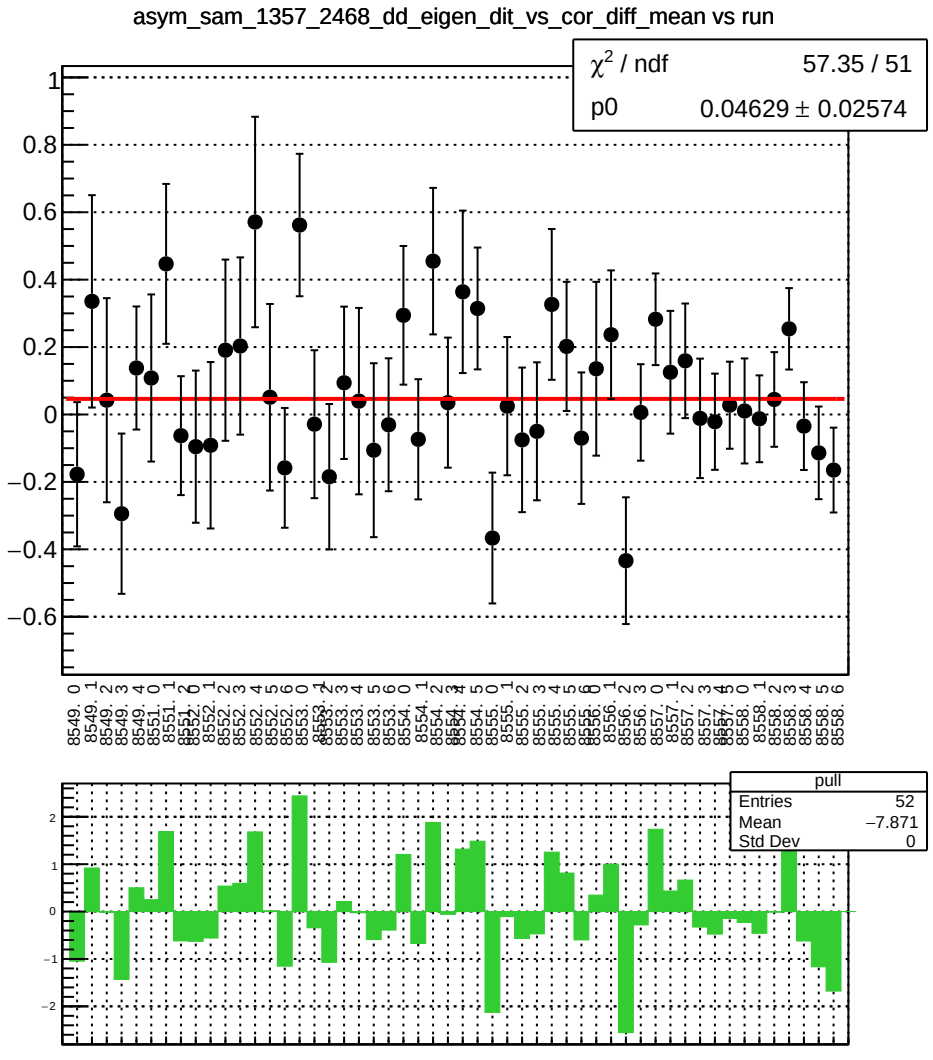
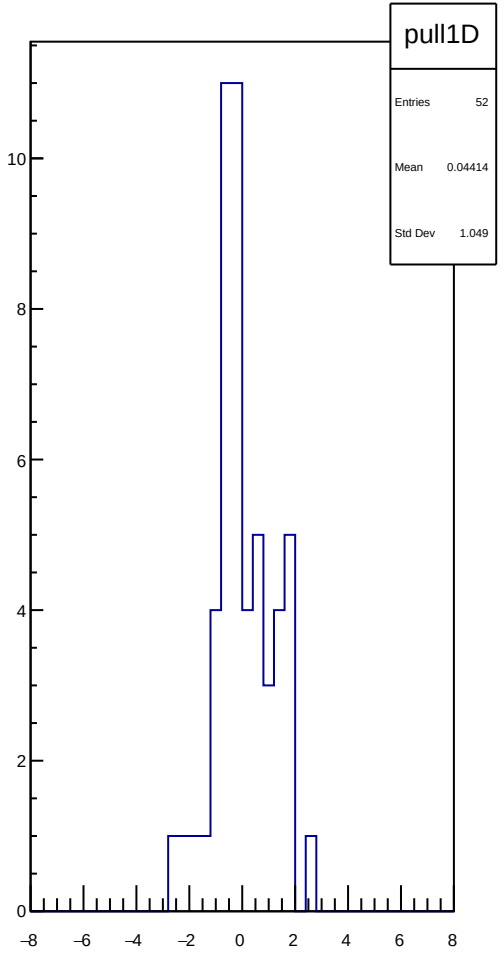
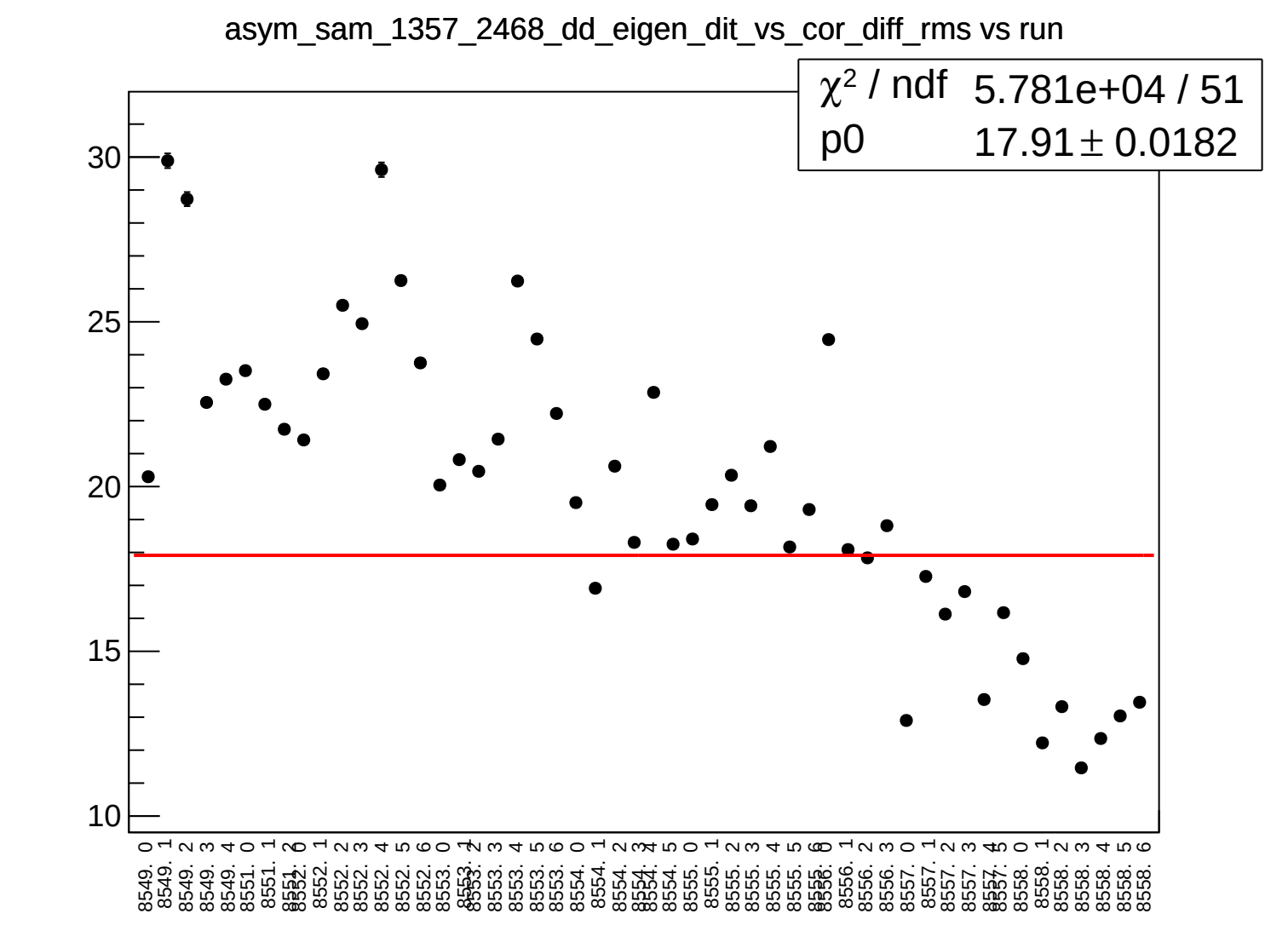
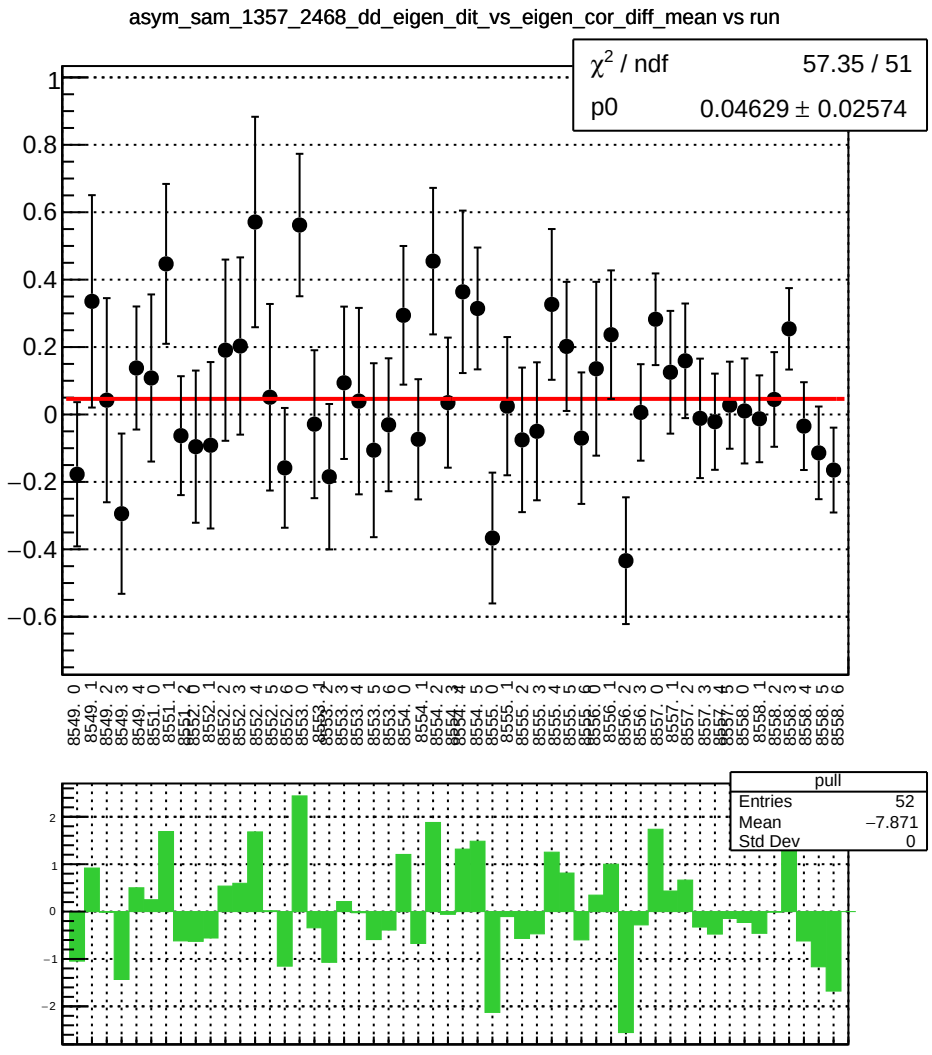
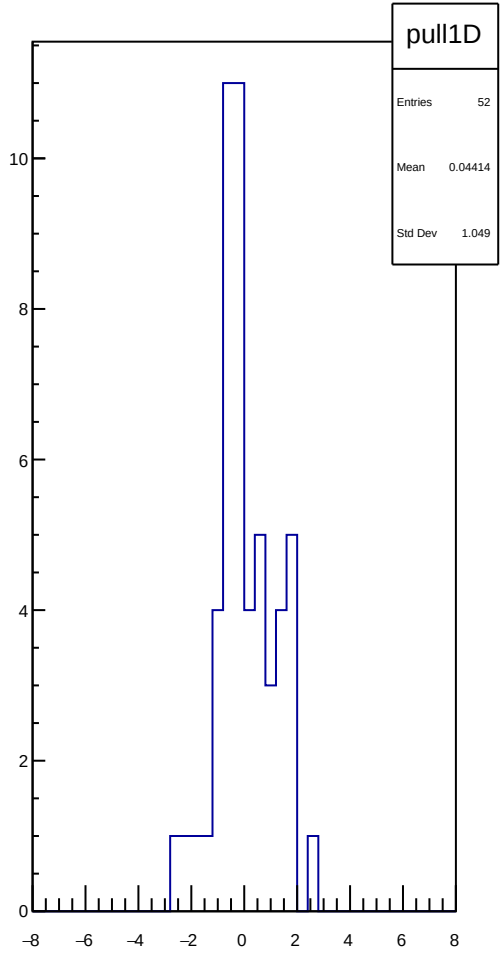
8558. 3
8558. 4
8558. 5
8558. 6

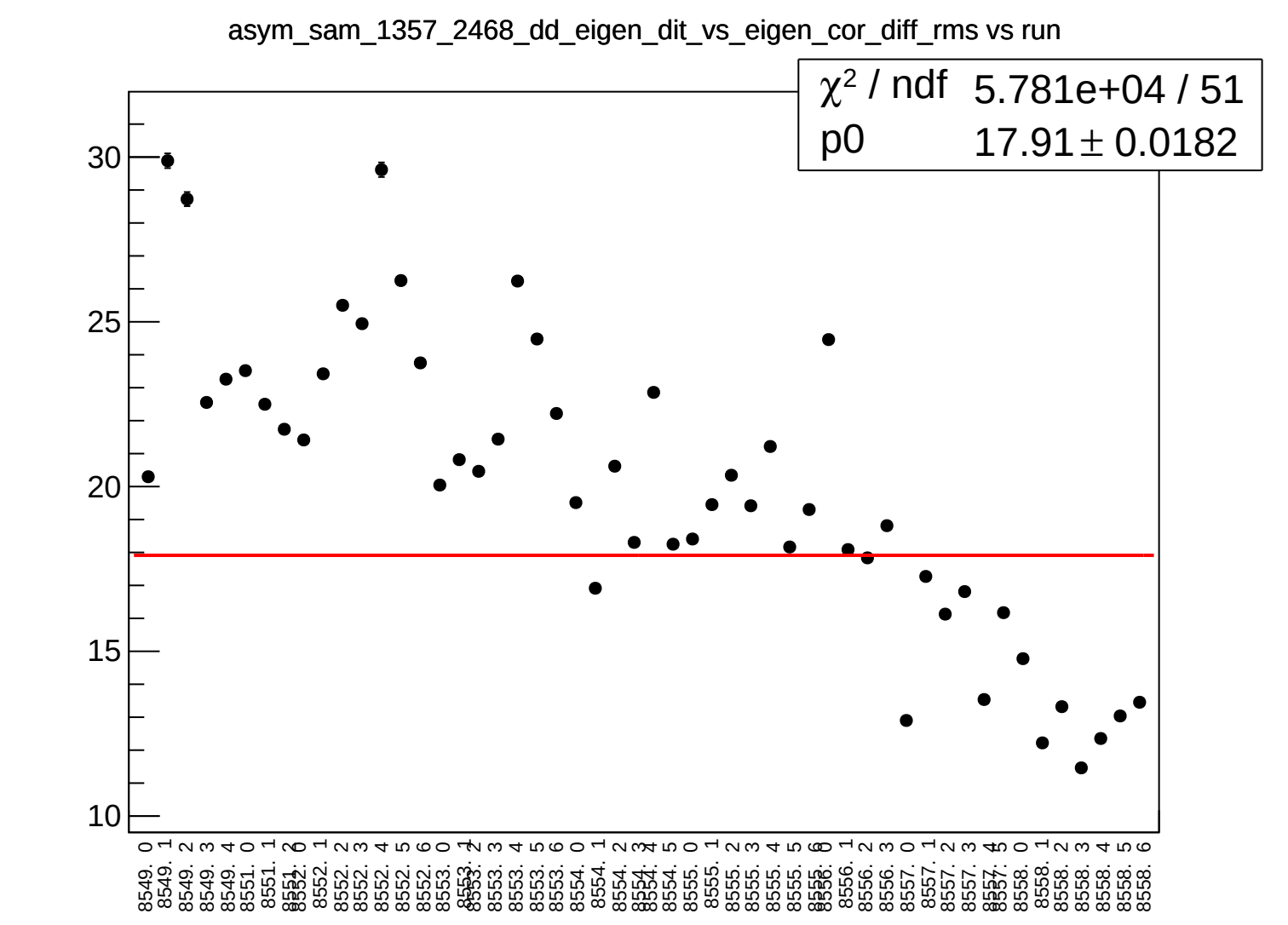

asym_sam_1357_2468_dd_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 57.35 / 51
p0 0.04629 ± 0.02574
pull
Entries 52
Mean −7.871
Std Dev 0

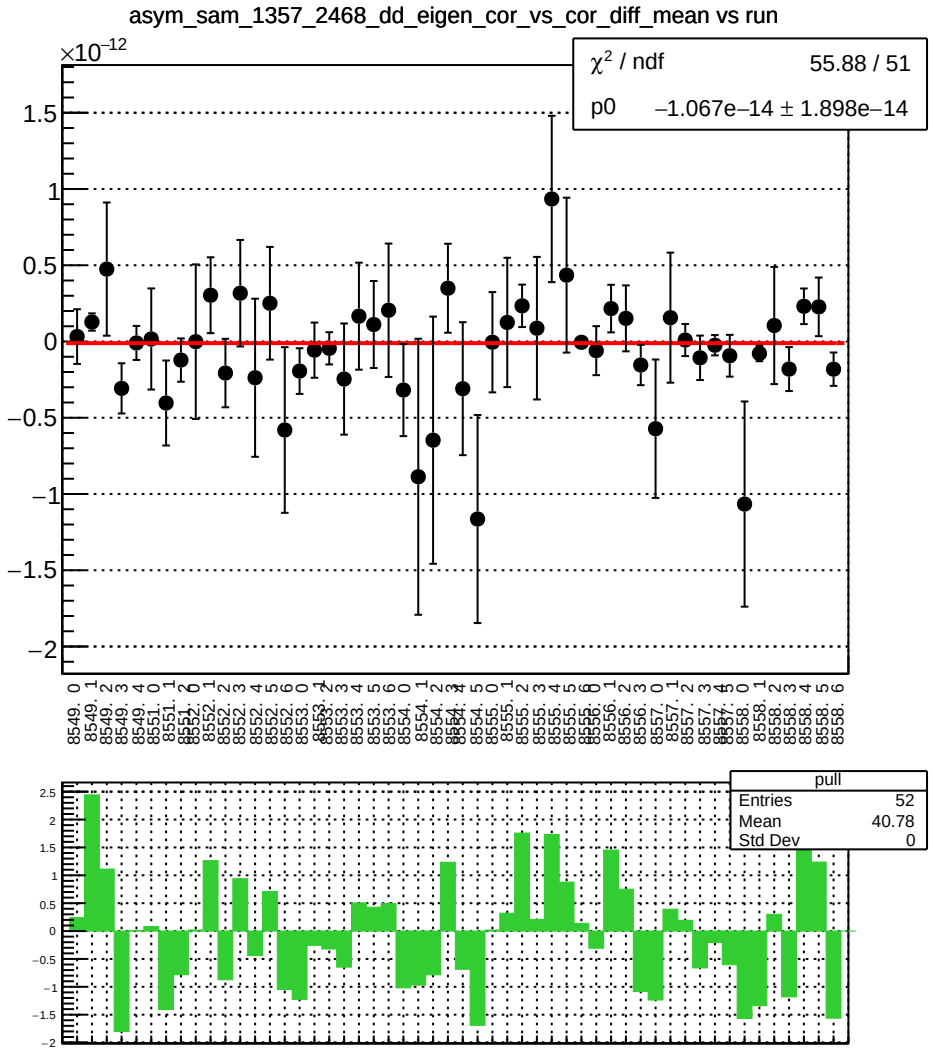

pull1D
Entries 52
Mean 0.04414
Std Dev 1.049

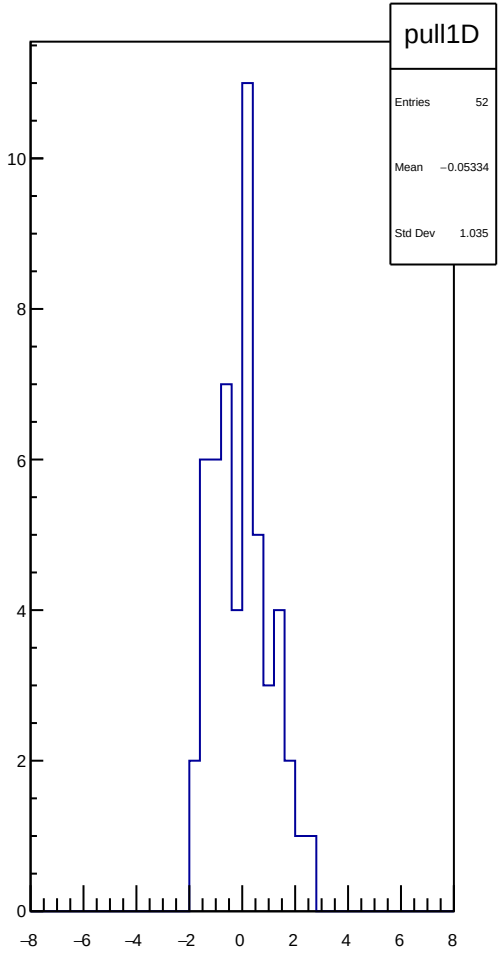

asym_sam_1357_2468_dd_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 5.781e+04 / 51
p0 17.91 ± 0.0182
30
25
20
15
10
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

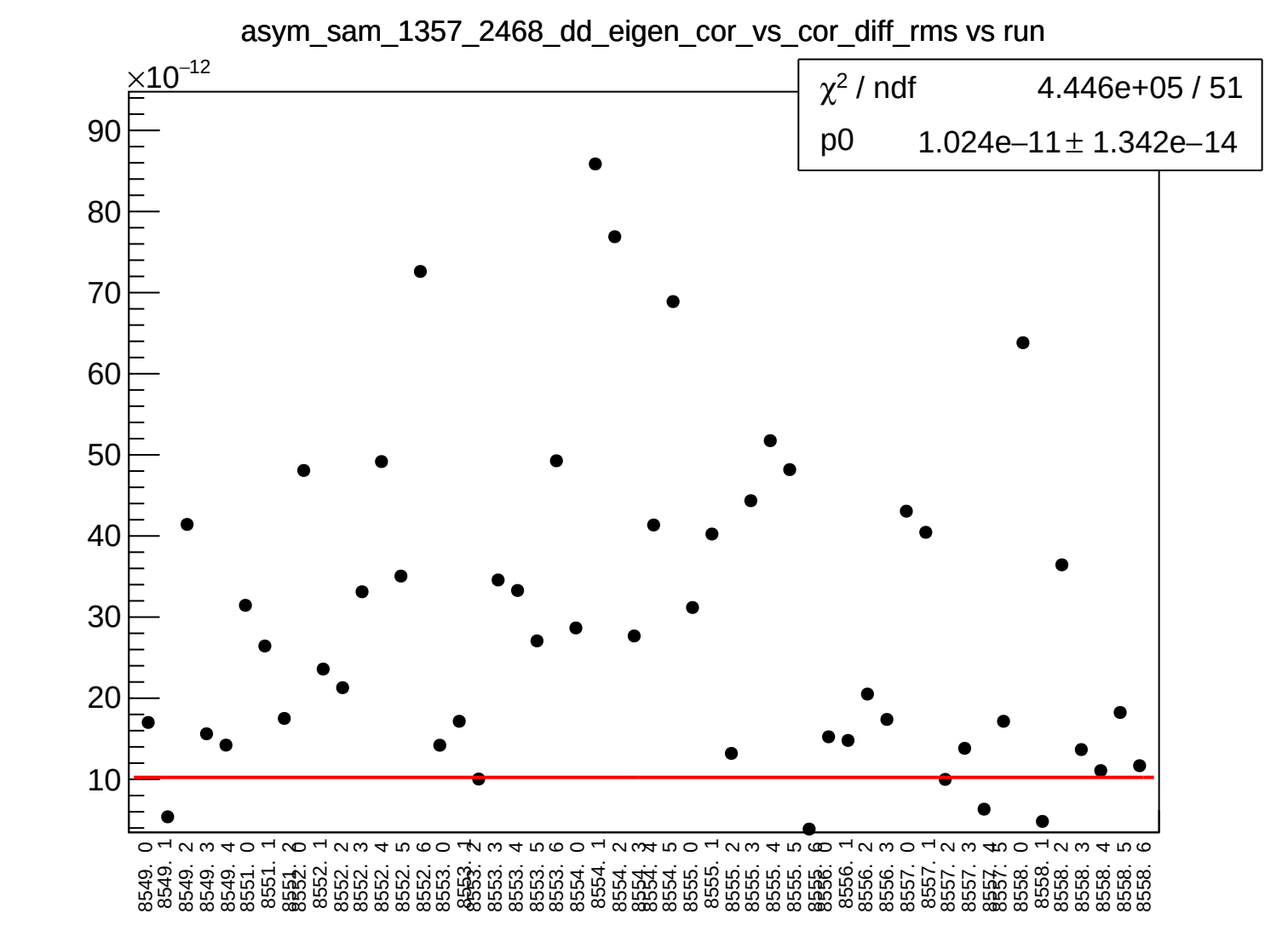

asym_sam_1357_2468_dd_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 57.35 / 51
p0 0.04629 ± 0.02574
pull
Entries 52
Mean −7.871
Std Dev 0

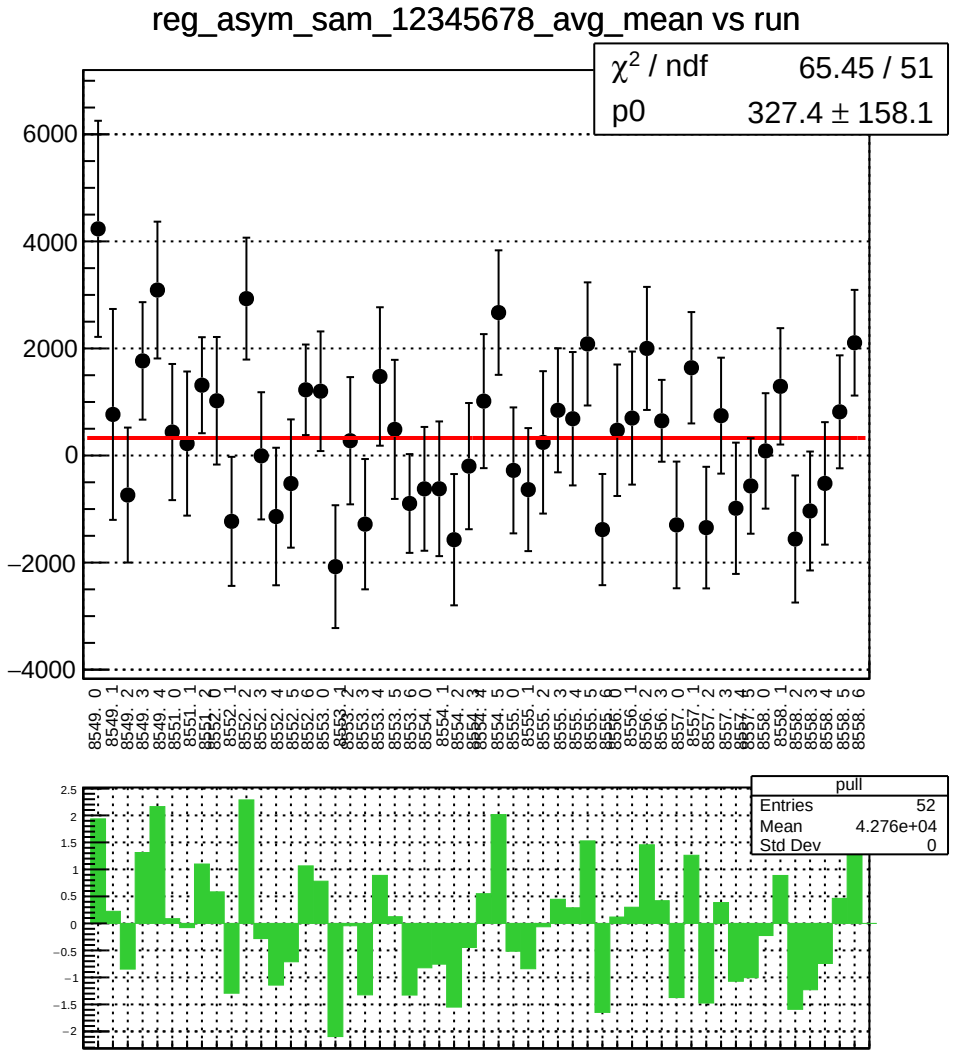

pull1D
Entries 52
Mean 0.04414
Std Dev 1.049

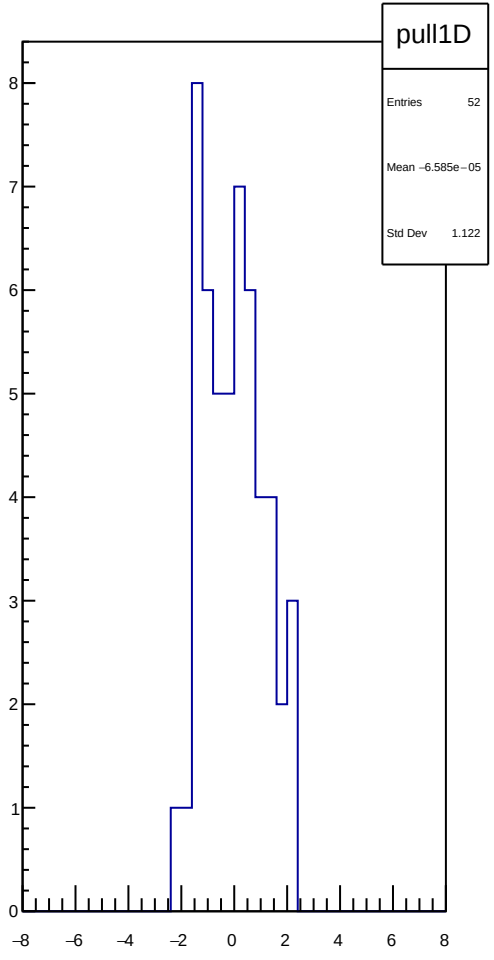

asym_sam_1357_2468_dd_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 5.781e+04 / 51
p0 17.91 ± 0.0182
30
25
20
15
10
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

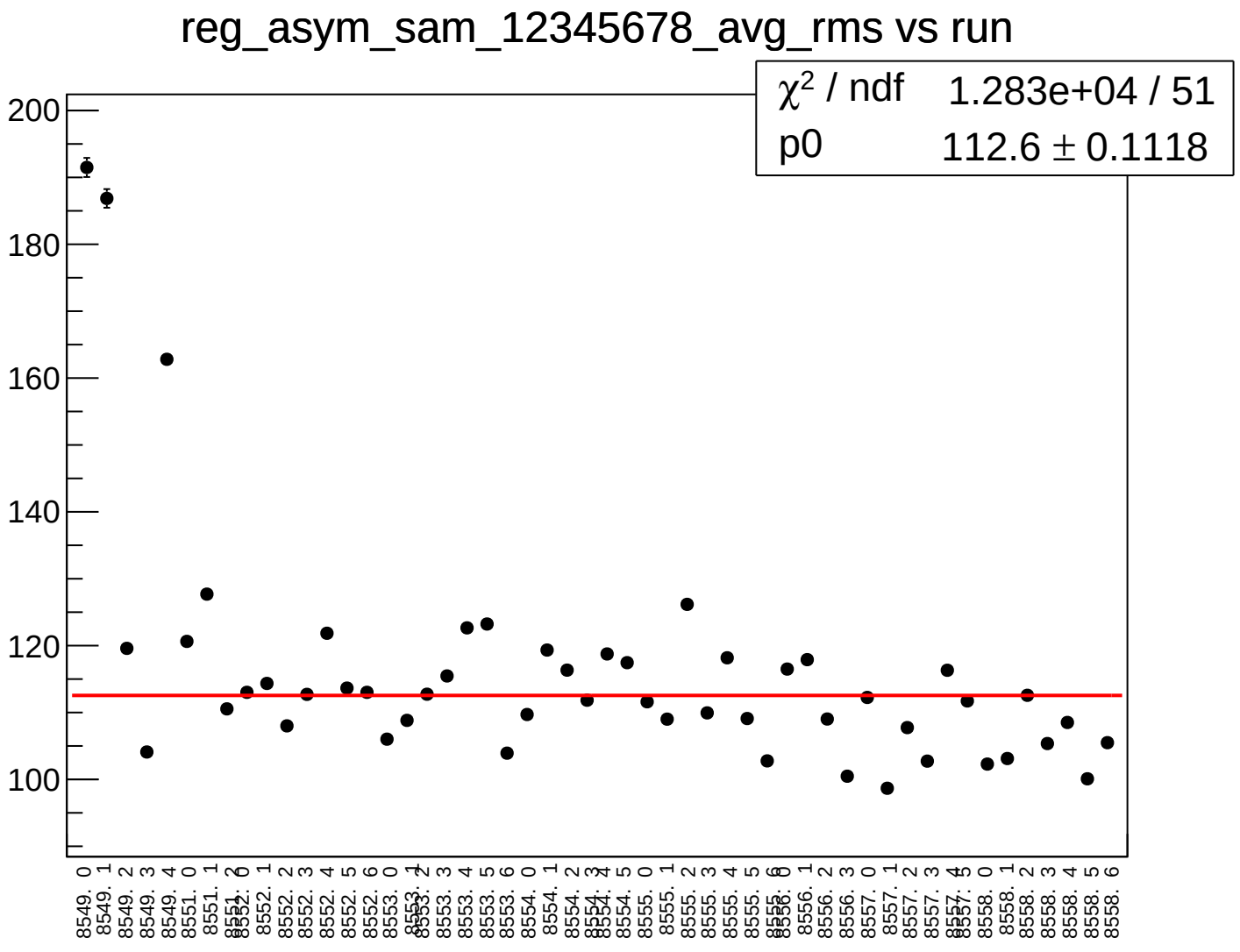

asym_sam_1357_2468_dd_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 55.88 / 51
p0 −1.067e−14 ± 1.898e−14
pull
Entries 52
Mean 40.78
Std Dev 0

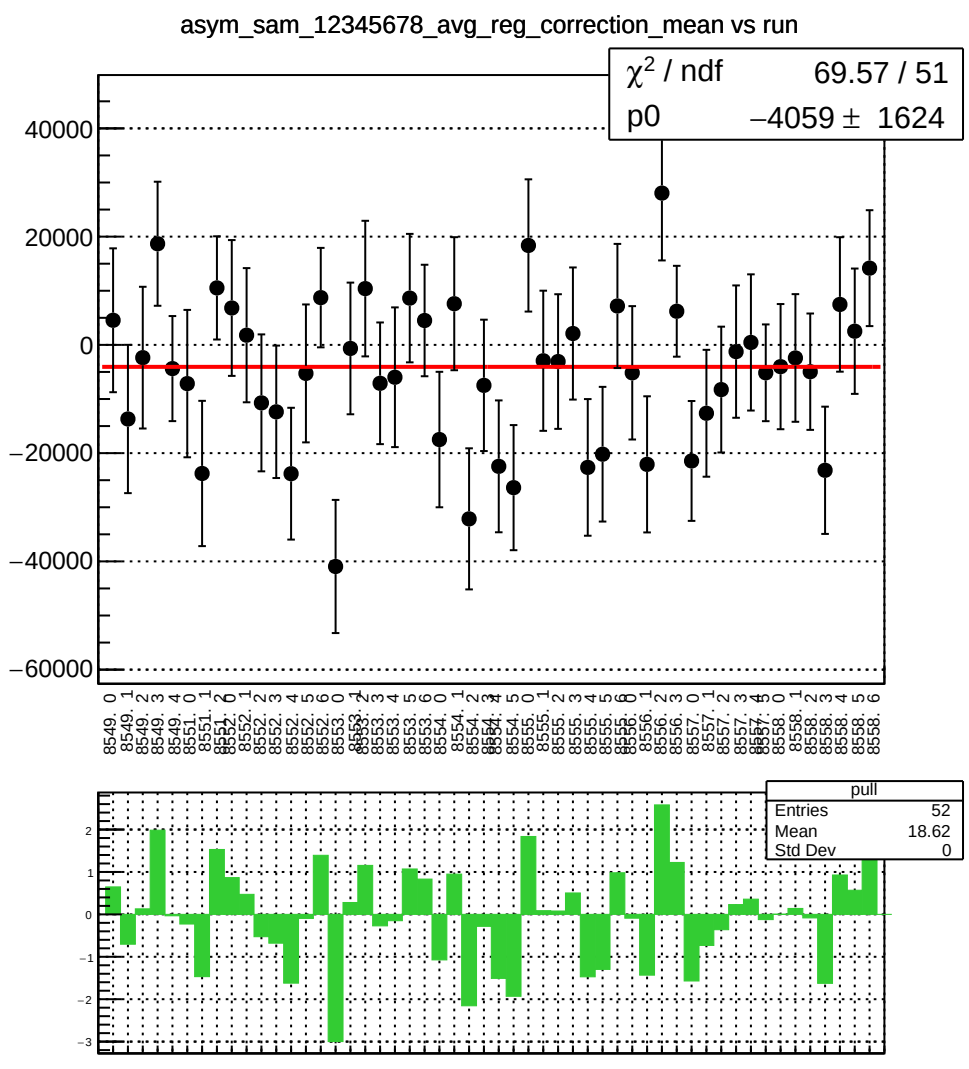

pull1D
Entries 52
Mean −0.05334
Std Dev 1.035

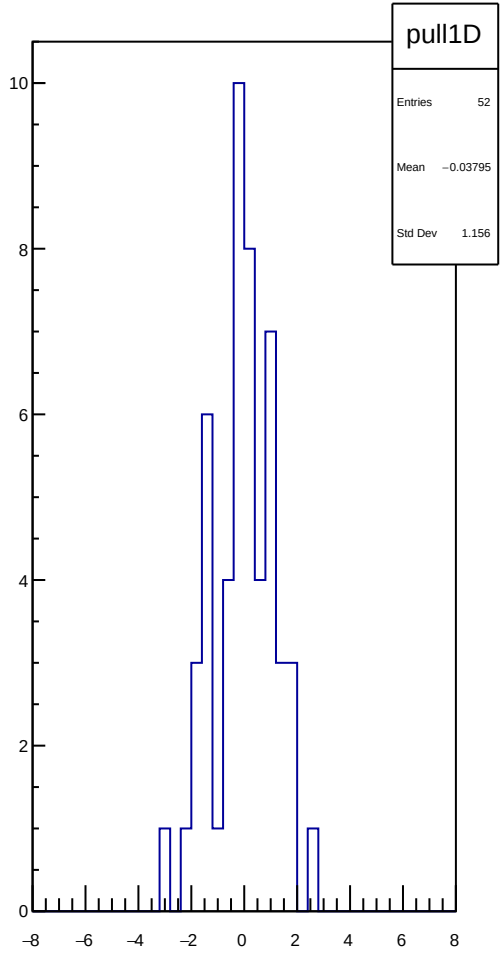

asym_sam_1357_2468_dd_eigen_cor_vs_cor_diff_rms vs run
×10⁻¹²
χ² / ndf 4.446e+05 / 51
p0 1.024e−11 ± 1.342e−14
90
80
70
60
50
40
30
20
10
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8551. 2
8551. 6
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 1
8553. 2
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 3
8554. 4
8554. 5
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8555. 6
8556. 0
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8557. 4
8557. 5
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

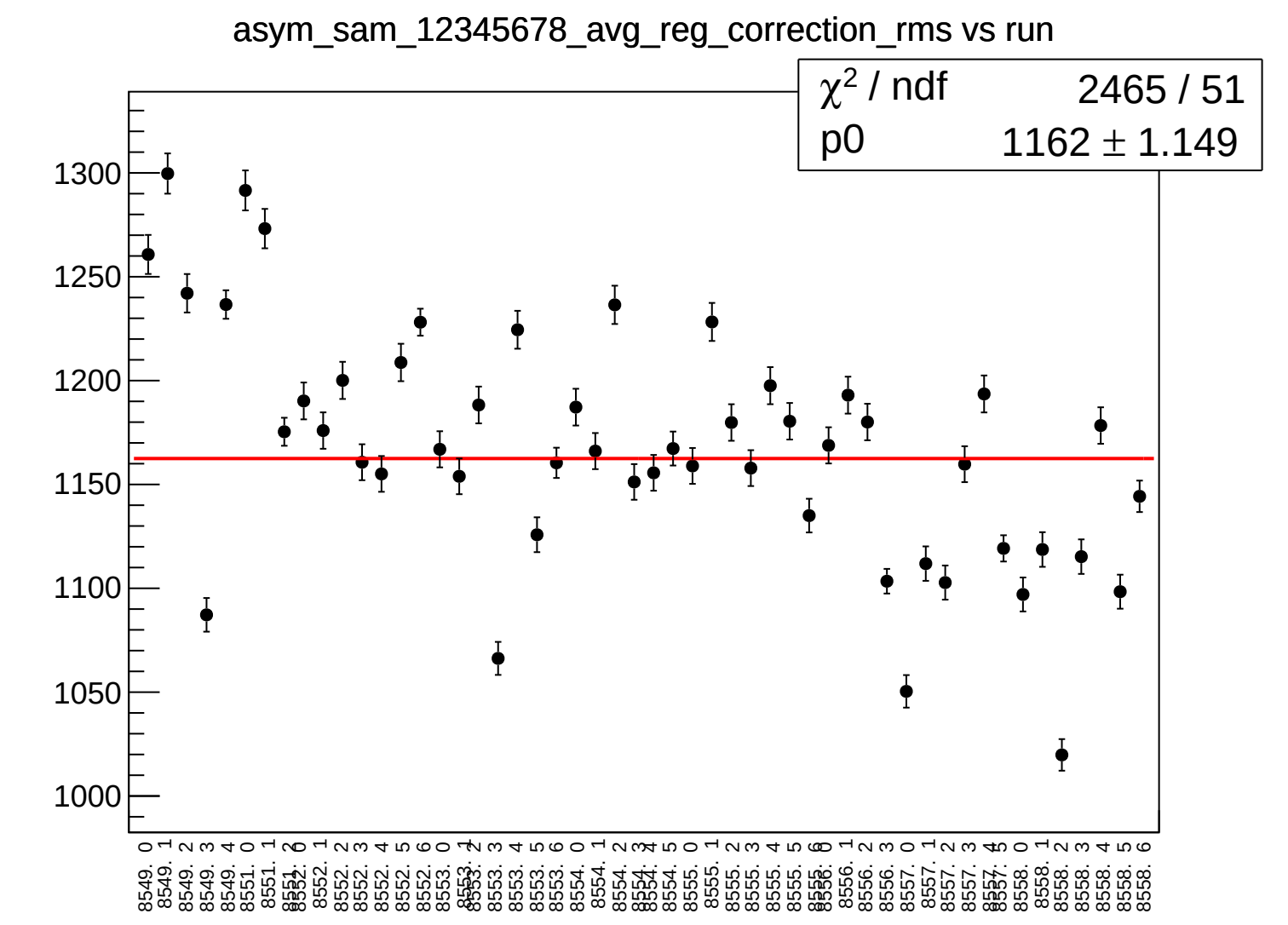

reg_asym_sam_12345678_avg_mean vs run
χ² / ndf 65.45 / 51
p0 327.4 ± 158.1
pull
Entries 52
Mean 4.276e+04
Std Dev 0

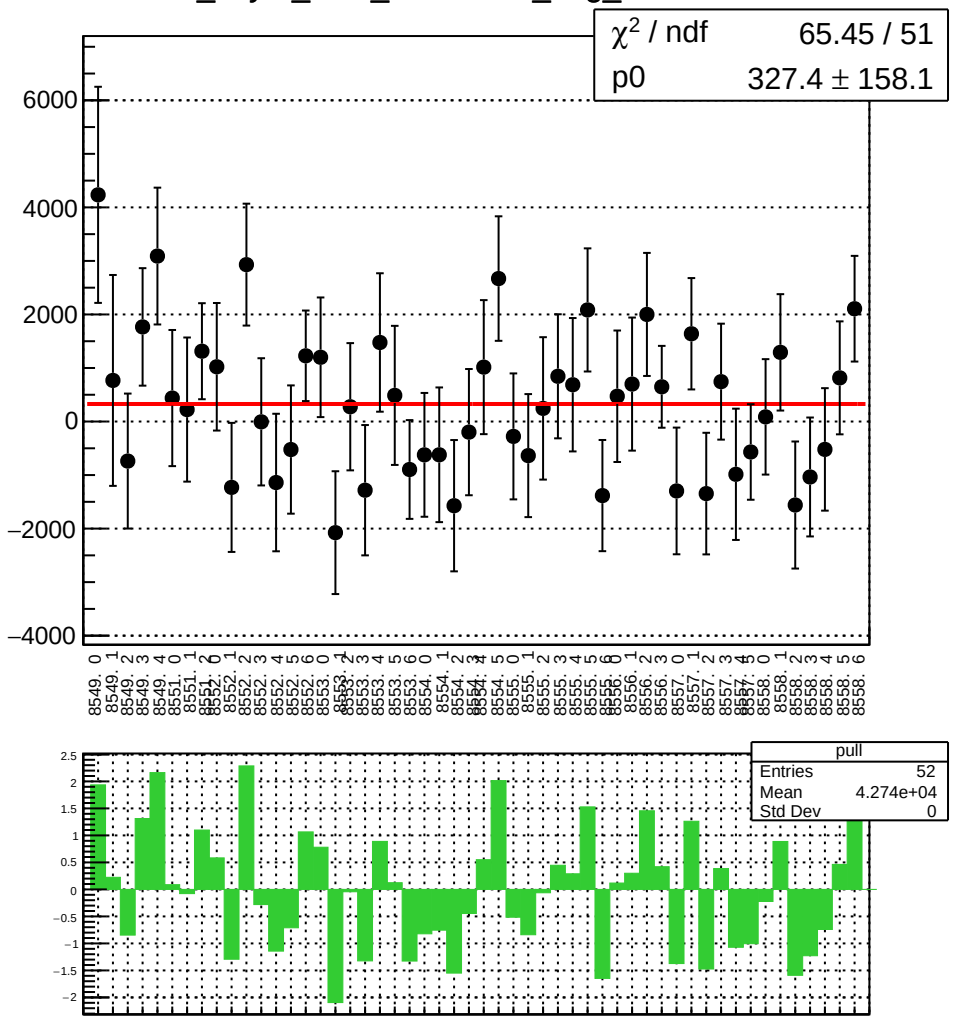

pull1D
Entries 52
Mean −6.585e−05
Std Dev 1.122

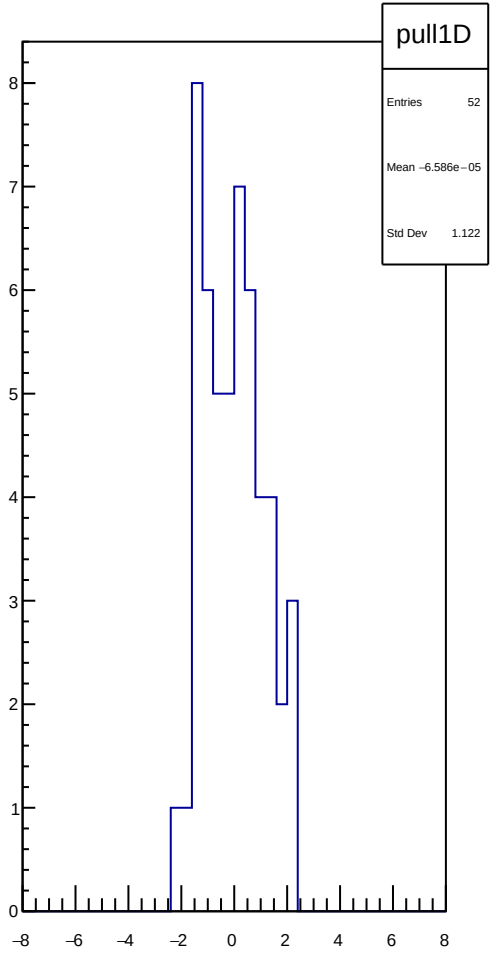

reg_asym_sam_12345678_avg_rms vs run
χ² / ndf 1.283e+04 / 51
p0 112.6 ± 0.1118
200
180
160
140
120
100
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 5
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

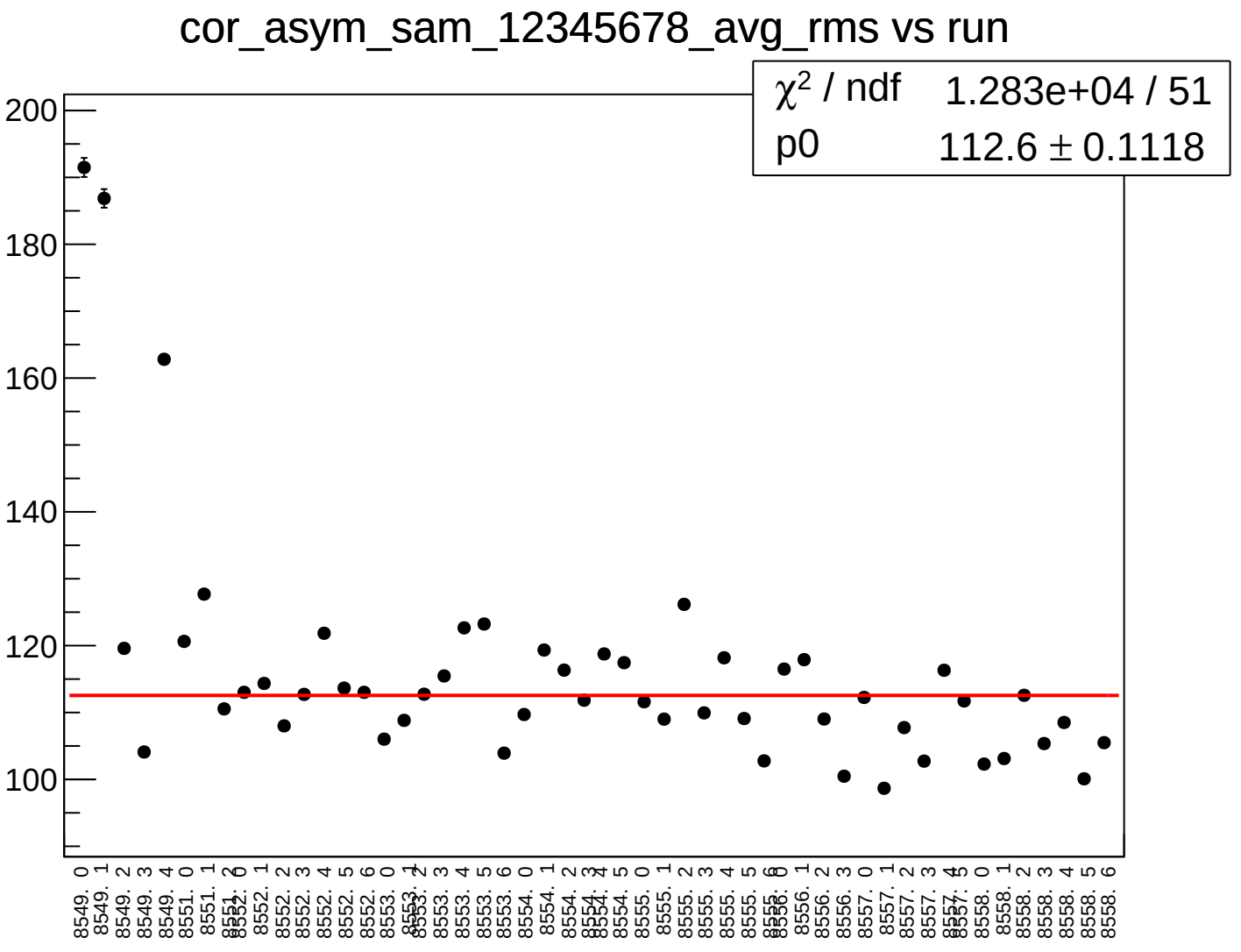

asym_sam_12345678_avg_reg_correction_mean vs run
χ² / ndf 69.57 / 51
p0 −4059 ± 1624
40000
20000
0
−20000
−40000
−60000
pull
Entries 52
Mean 18.62
Std Dev 0
2
1
0
−1
−2
−3


pull1D
Entries 52
Mean −0.03795
Std Dev 1.156
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


asym_sam_12345678_avg_reg_correction_rms vs run
χ² / ndf 2465 / 51
p0 1162 ± 1.149
1300
1250
1200
1150
1100
1050
1000
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 5
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6


cor_asym_sam_12345678_avg_mean vs run
χ² / ndf 65.45 / 51
p0 327.4 ± 158.1
pull
Entries 52
Mean 4.274e+04
Std Dev 0


pull1D
Entries 52
Mean −6.586e−05
Std Dev 1.122


cor_asym_sam_12345678_avg_rms vs run
χ² / ndf 1.283e+04 / 51
p0 112.6 ± 0.1118
200
180
160
140
120
100
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
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8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
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8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
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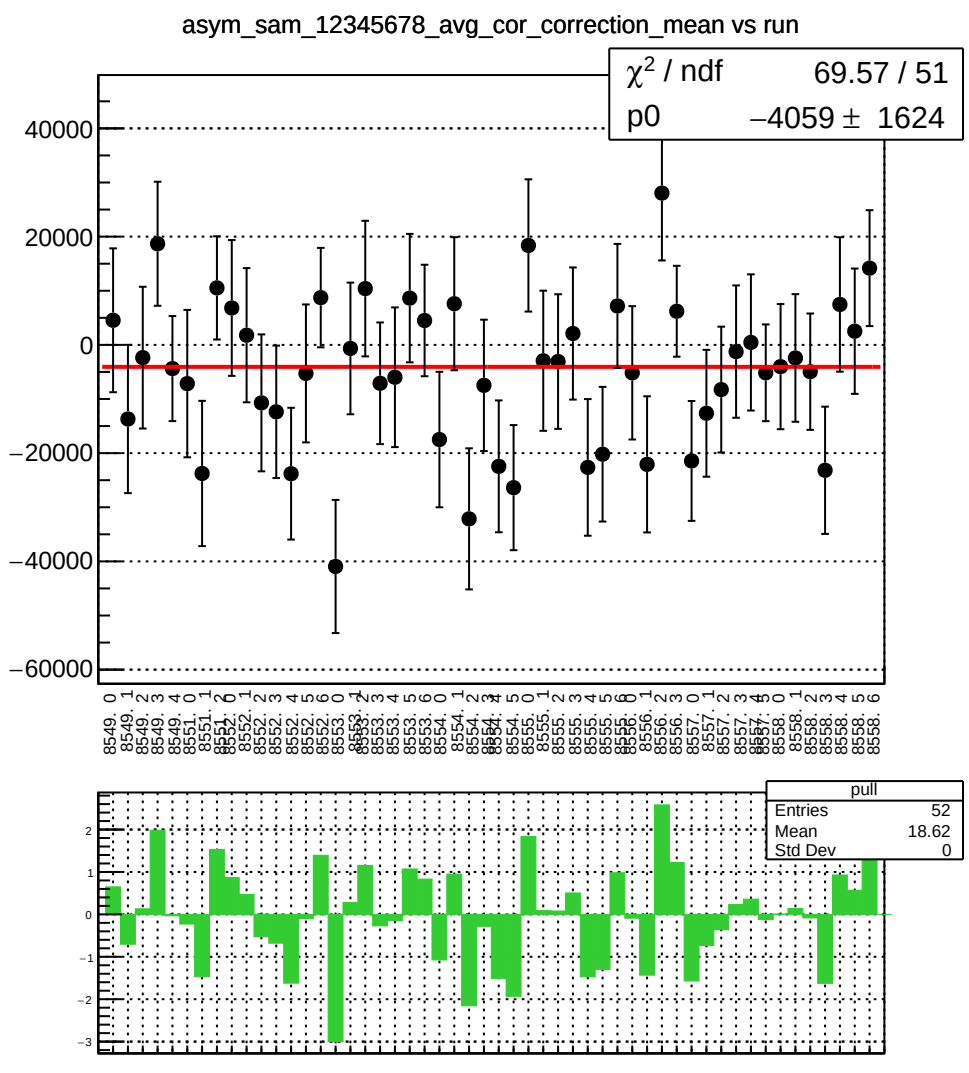
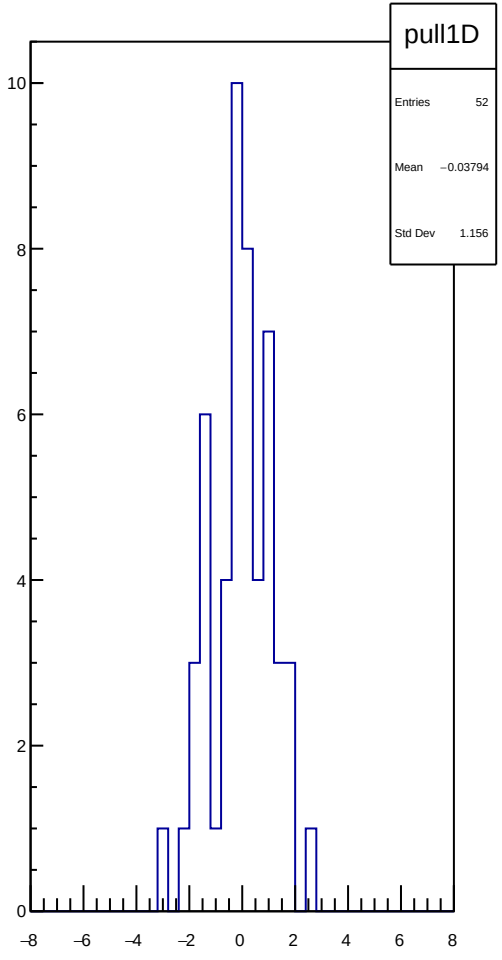
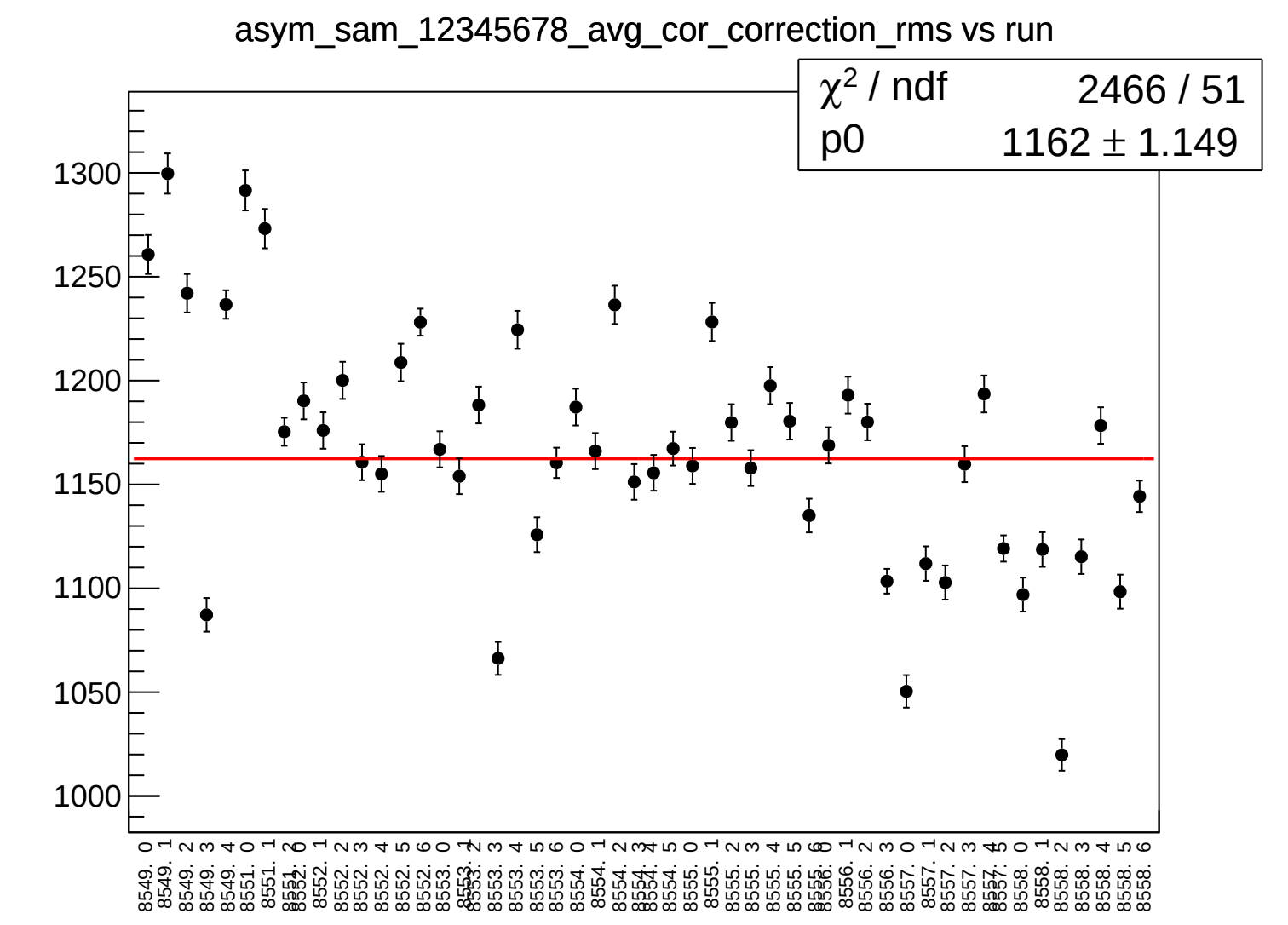
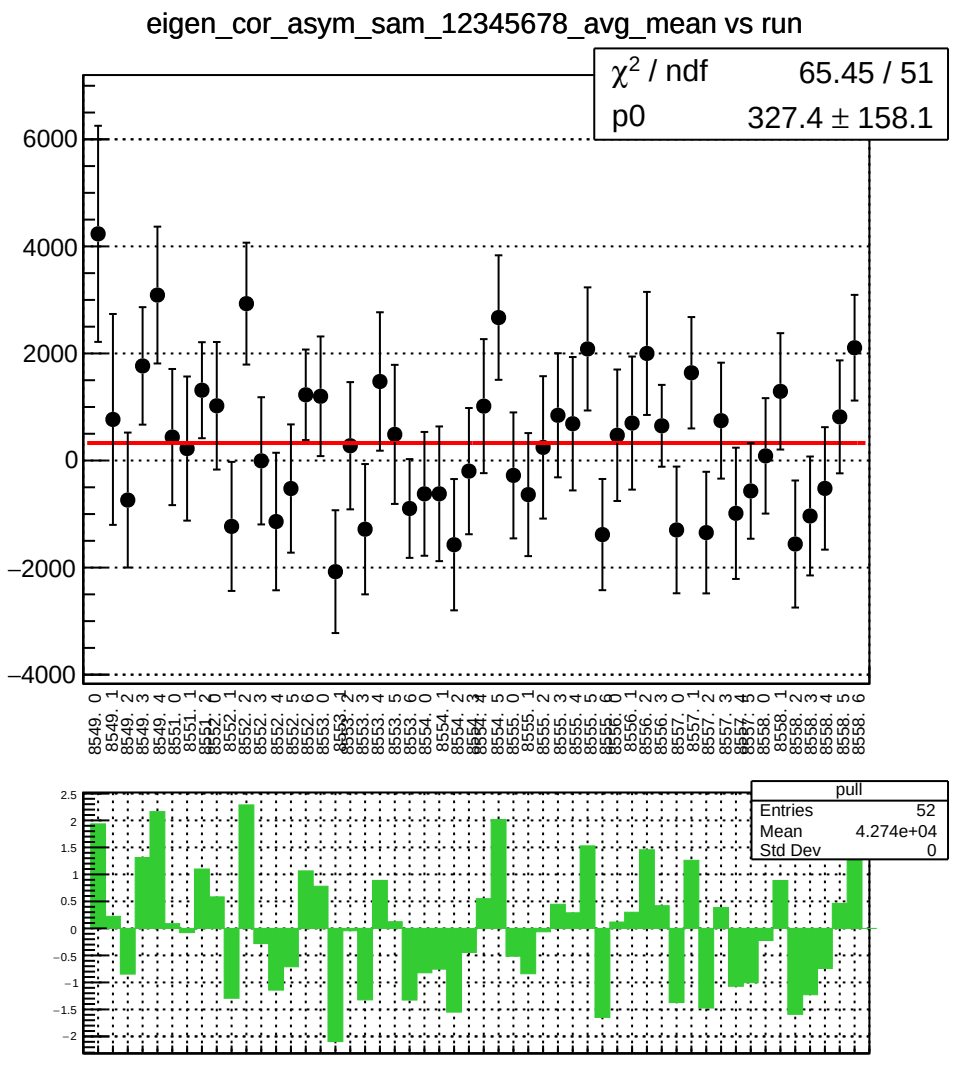
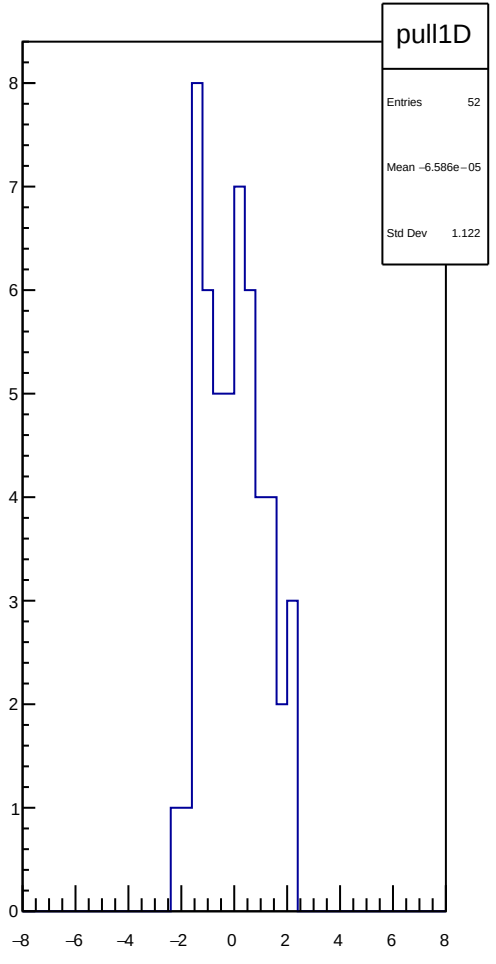
8558. 5
8558. 6

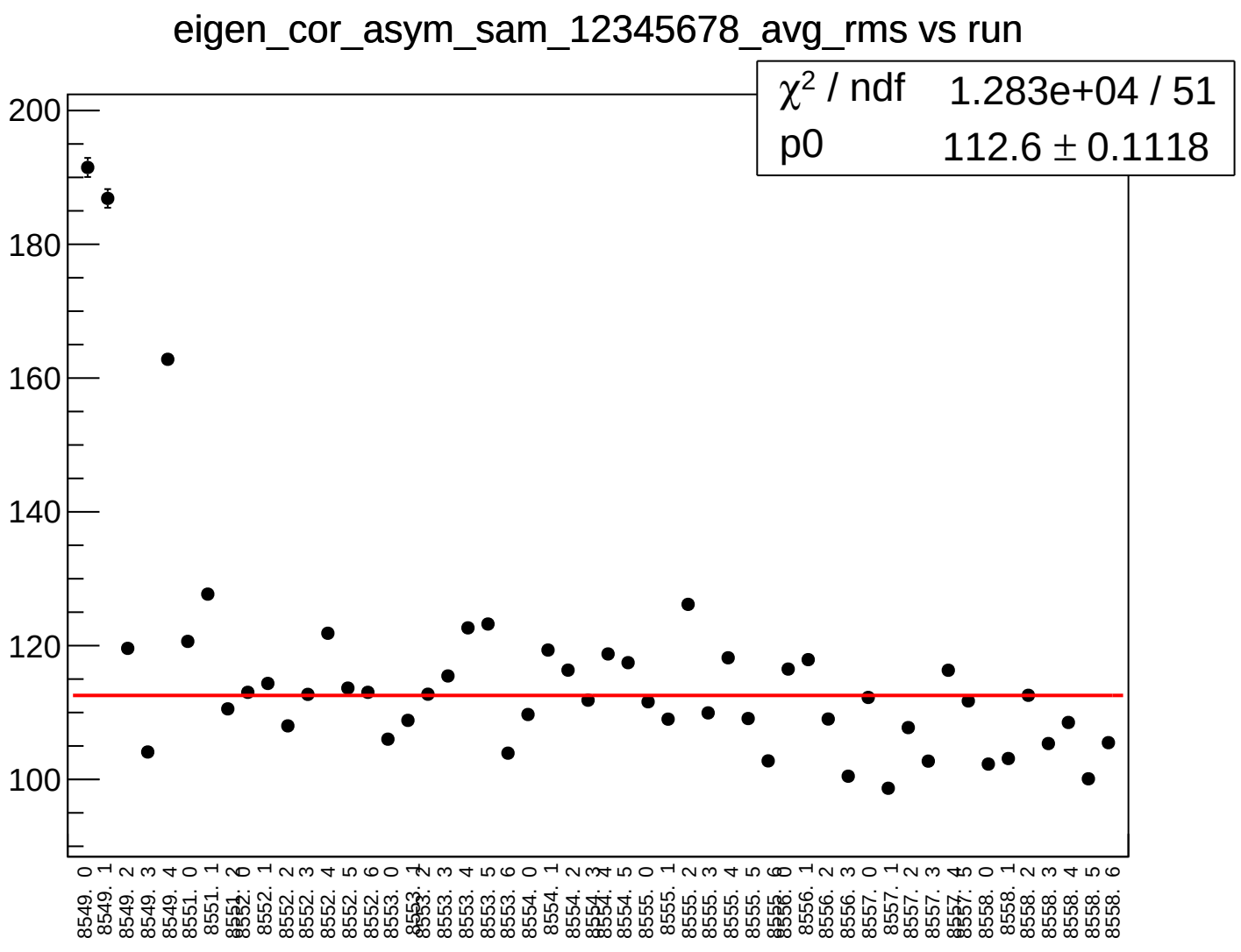

asym_sam_12345678_avg_cor_correction_mean vs run
χ² / ndf 69.57 / 51
p0 −4059 ± 1624
40000
20000
0
−20000
−40000
−60000
pull
Entries 52
Mean 18.62
Std Dev 0
2
1
0
−1
−2
−3

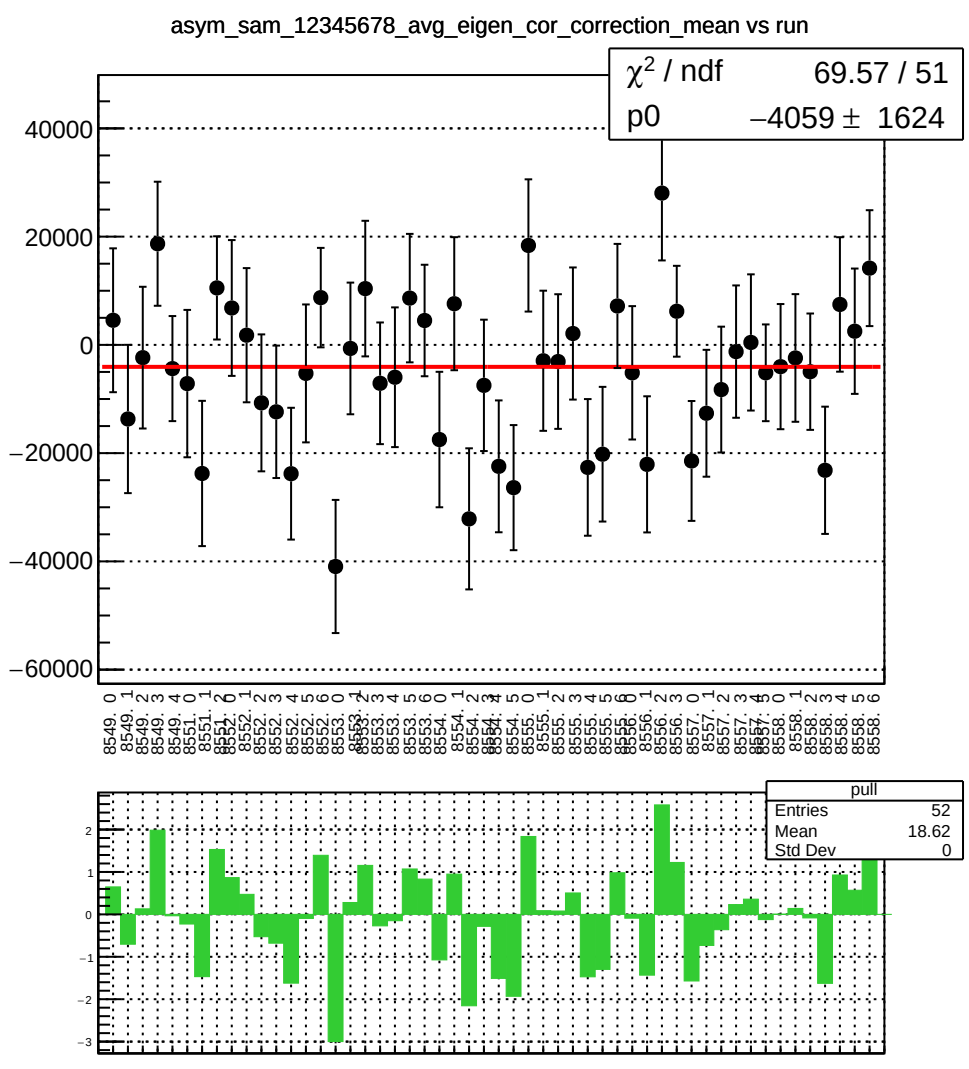

pull1D
Entries 52
Mean −0.03794
Std Dev 1.156
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

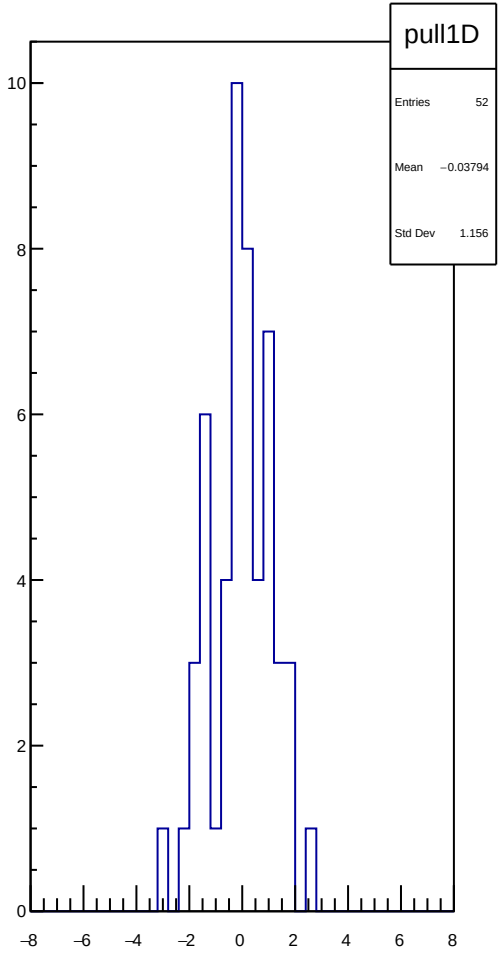

asym_sam_12345678_avg_cor_correction_rms vs run
χ² / ndf 2466 / 51
p0 1162 ± 1.149
1300
1250
1200
1150
1100
1050
1000
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

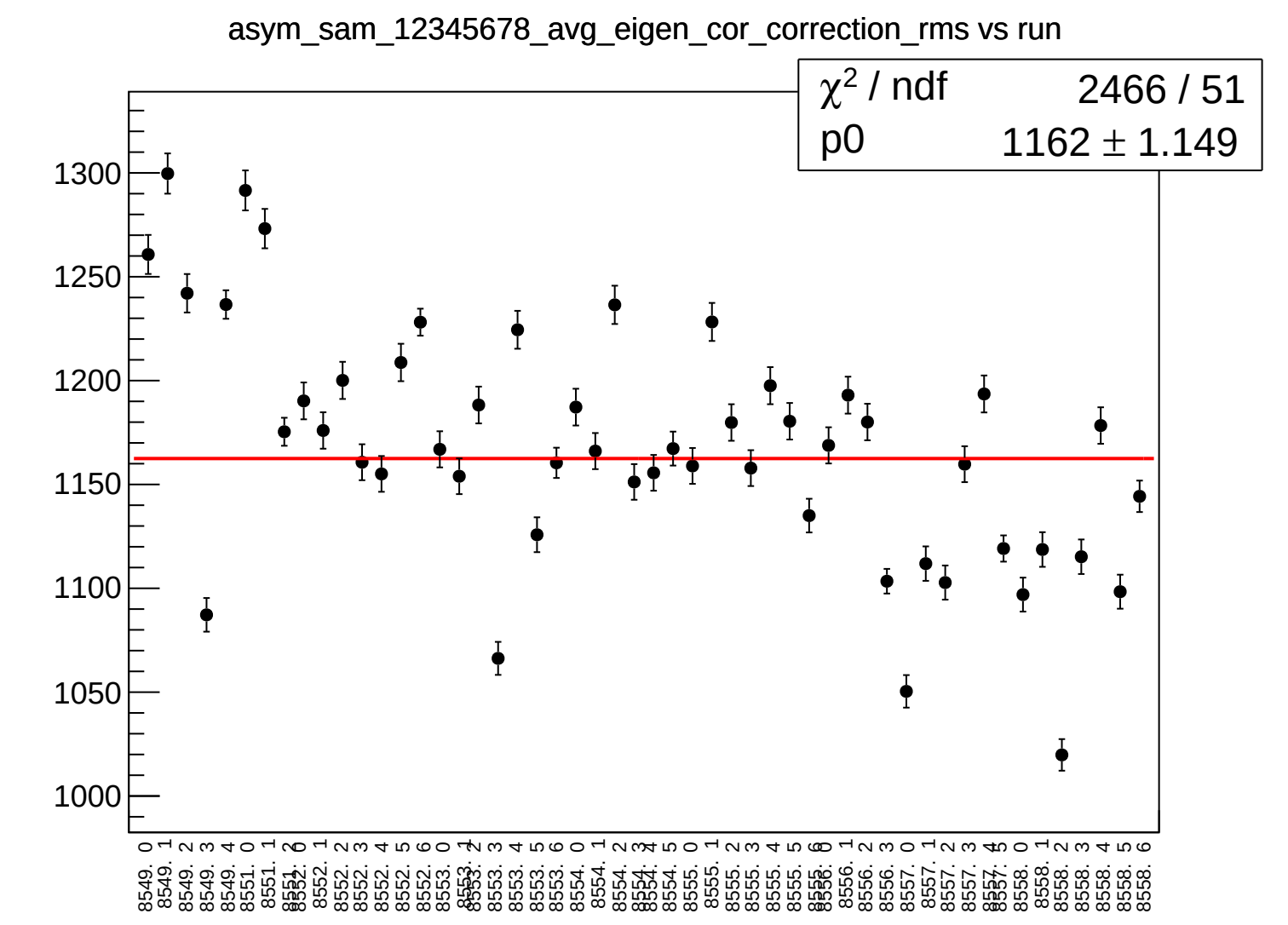

eigen_cor_asym_sam_12345678_avg_mean vs run
χ² / ndf 65.45 / 51
p0 327.4 ± 158.1
6000
4000
2000
0
−2000
−4000
pull
Entries 52
Mean 4.274e+04
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

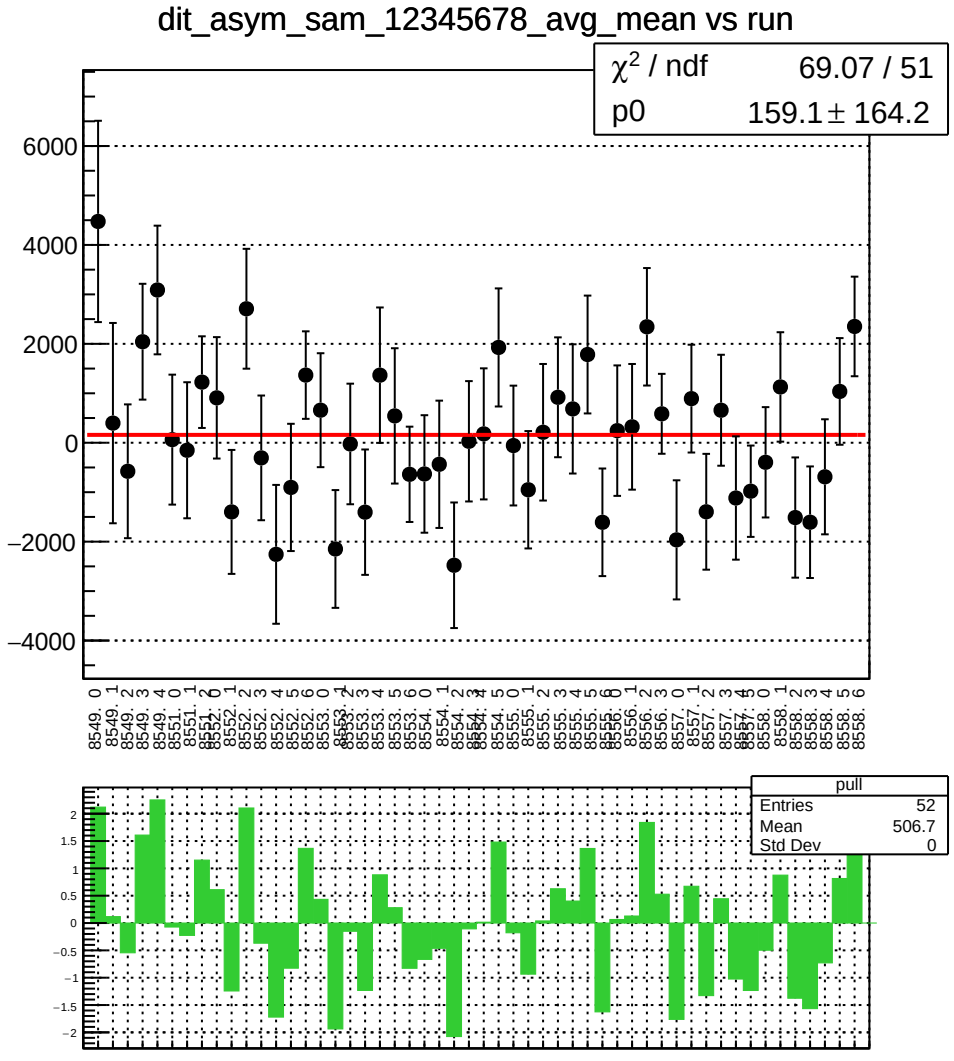

pull1D
Entries 52
Mean −6.586e−05
Std Dev 1.122
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

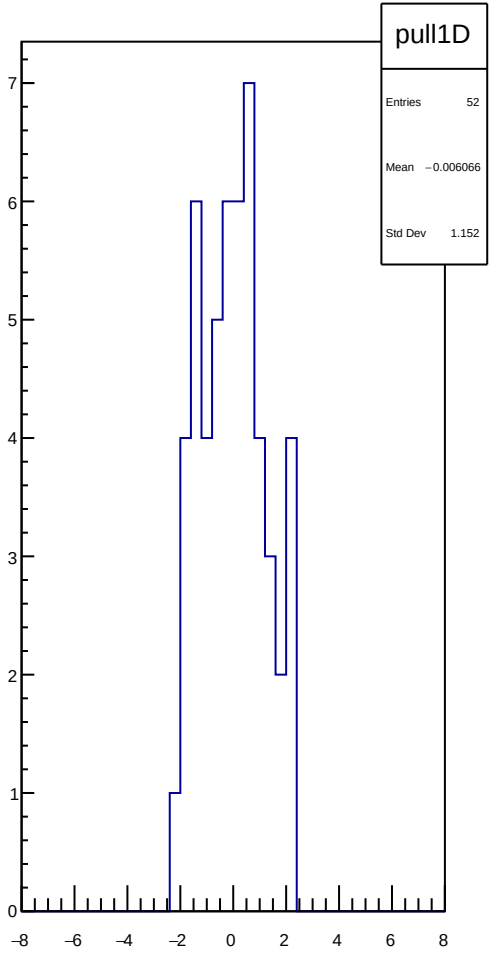

eigen_cor_asym_sam_12345678_avg_rms vs run
χ² / ndf 1.283e+04 / 51
p0 112.6 ± 0.1118
200
180
160
140
120
100
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 5
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

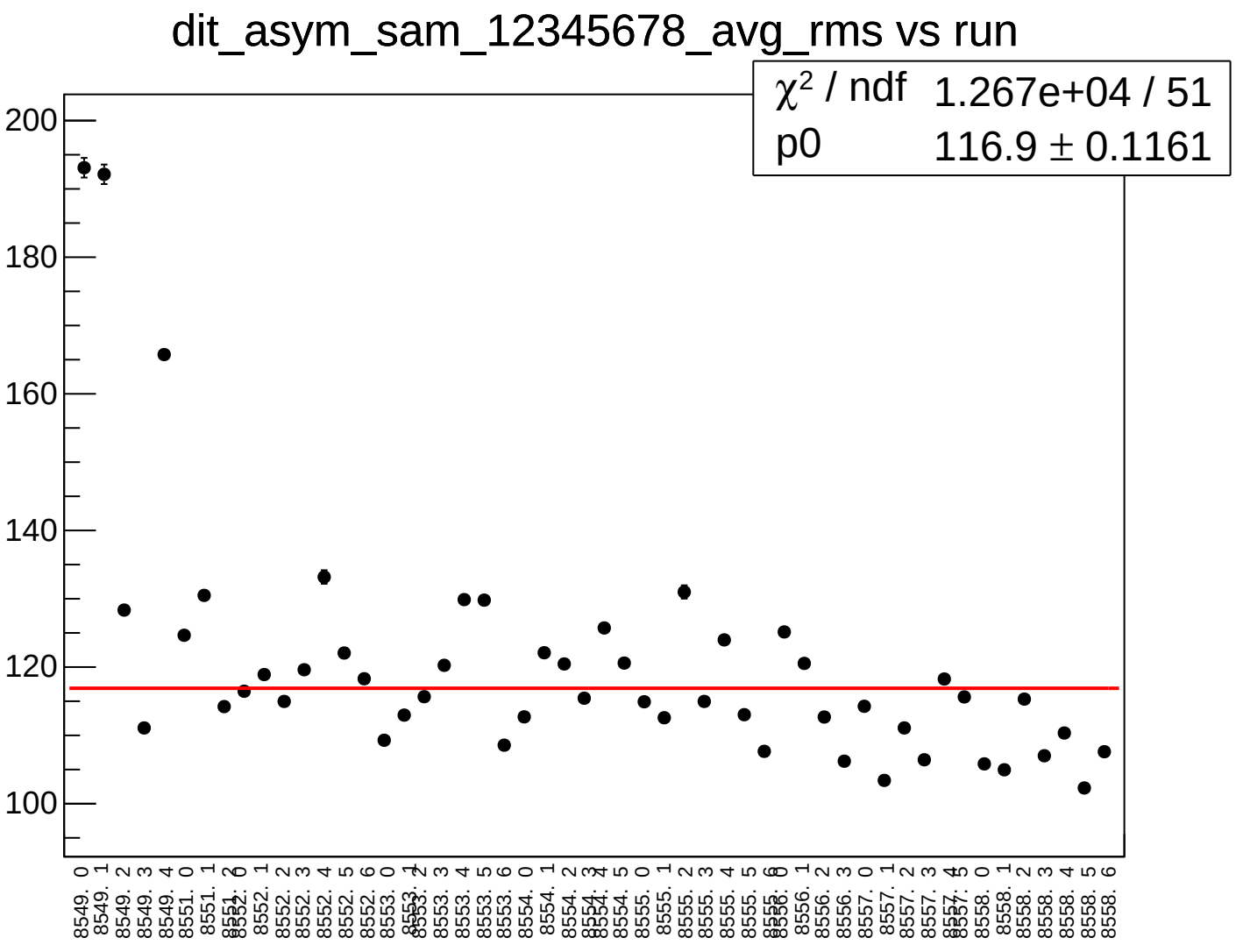

asym_sam_12345678_avg_eigen_cor_correction_mean vs run
χ² / ndf 69.57 / 51
p0 −4059 ± 1624
40000
20000
0
−20000
−40000
−60000
pull
Entries 52
Mean 18.62
Std Dev 0
2
1
0
−1
−2
−3

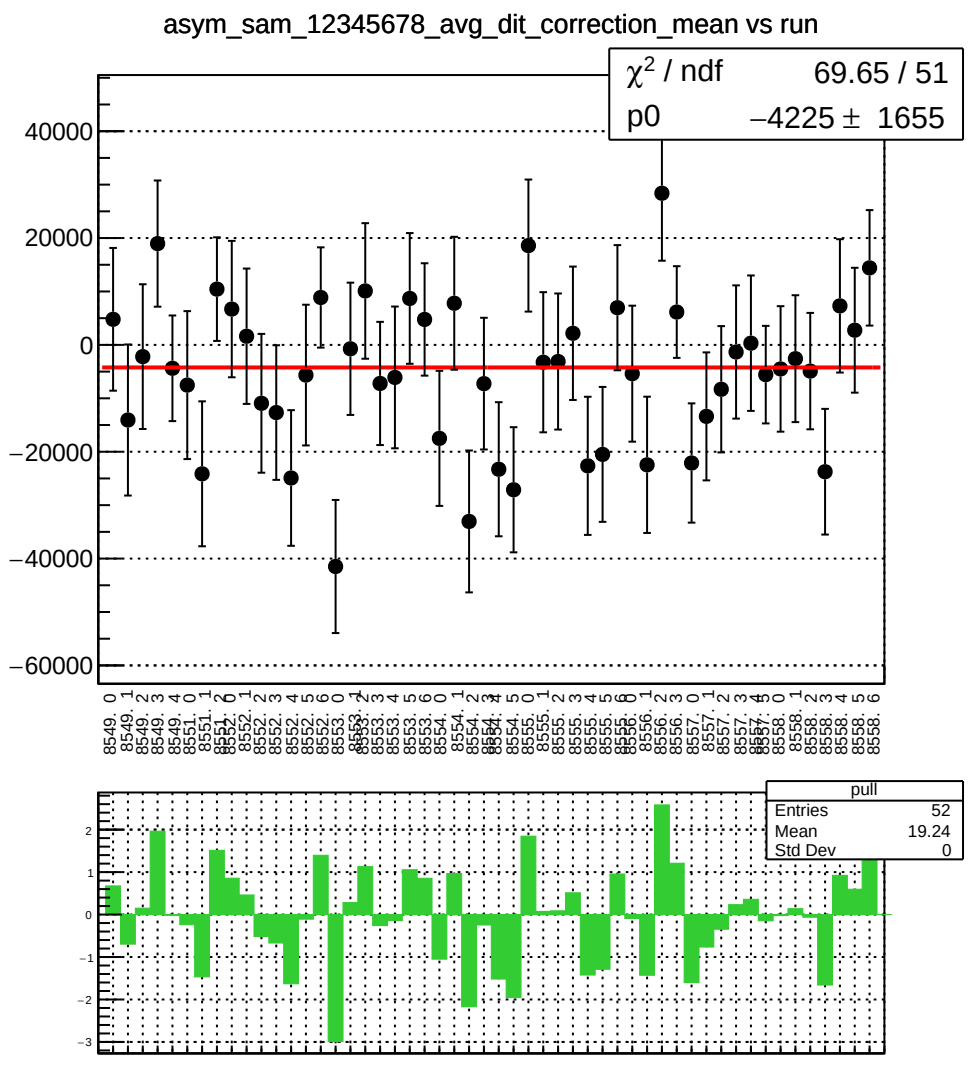

pull1D
Entries 52
Mean −0.03794
Std Dev 1.156
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

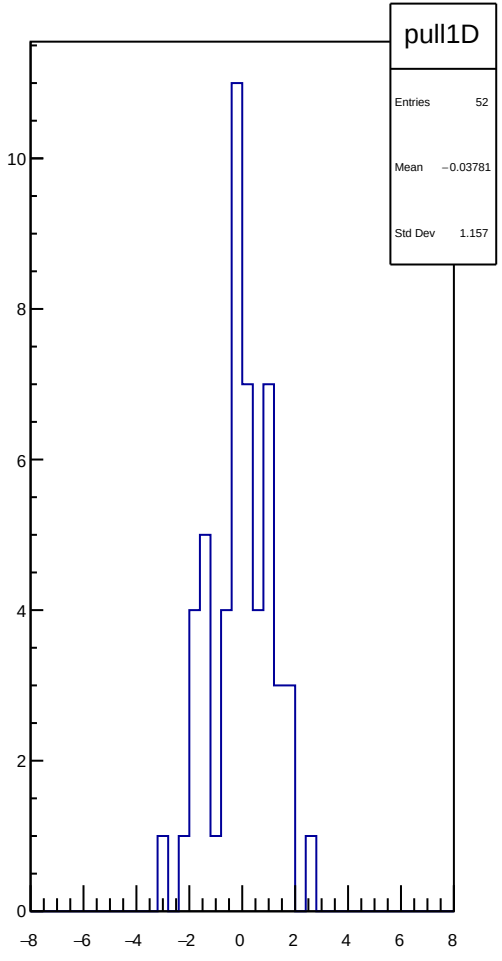

asym_sam_12345678_avg_eigen_cor_correction_rms vs run
χ² / ndf 2466 / 51
p0 1162 ± 1.149
1300
1250
1200
1150
1100
1050
1000
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

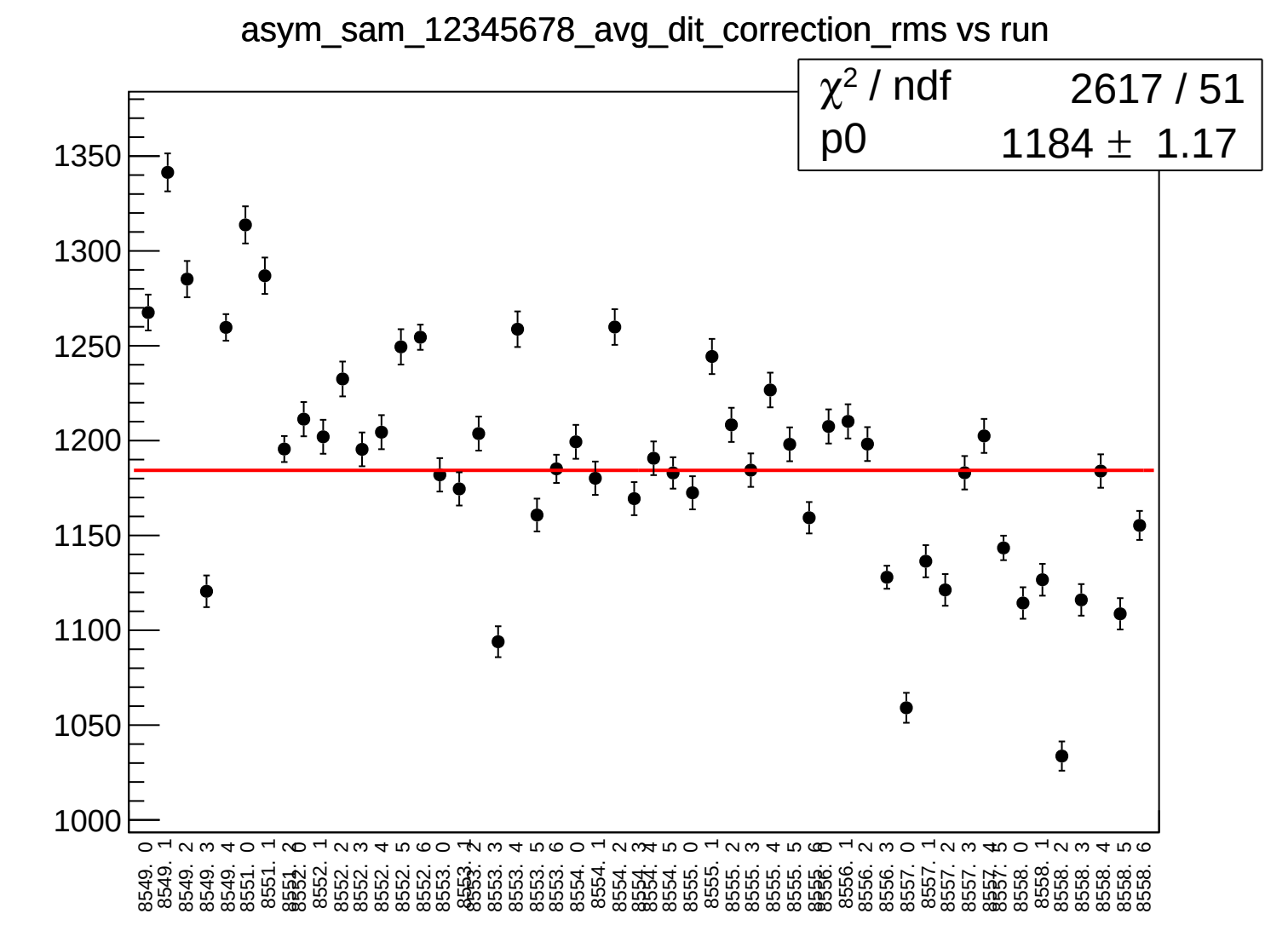

dit_asym_sam_12345678_avg_mean vs run
χ² / ndf 69.07 / 51
p0 159.1 ± 164.2
pull
Entries 52
Mean 506.7
Std Dev 0

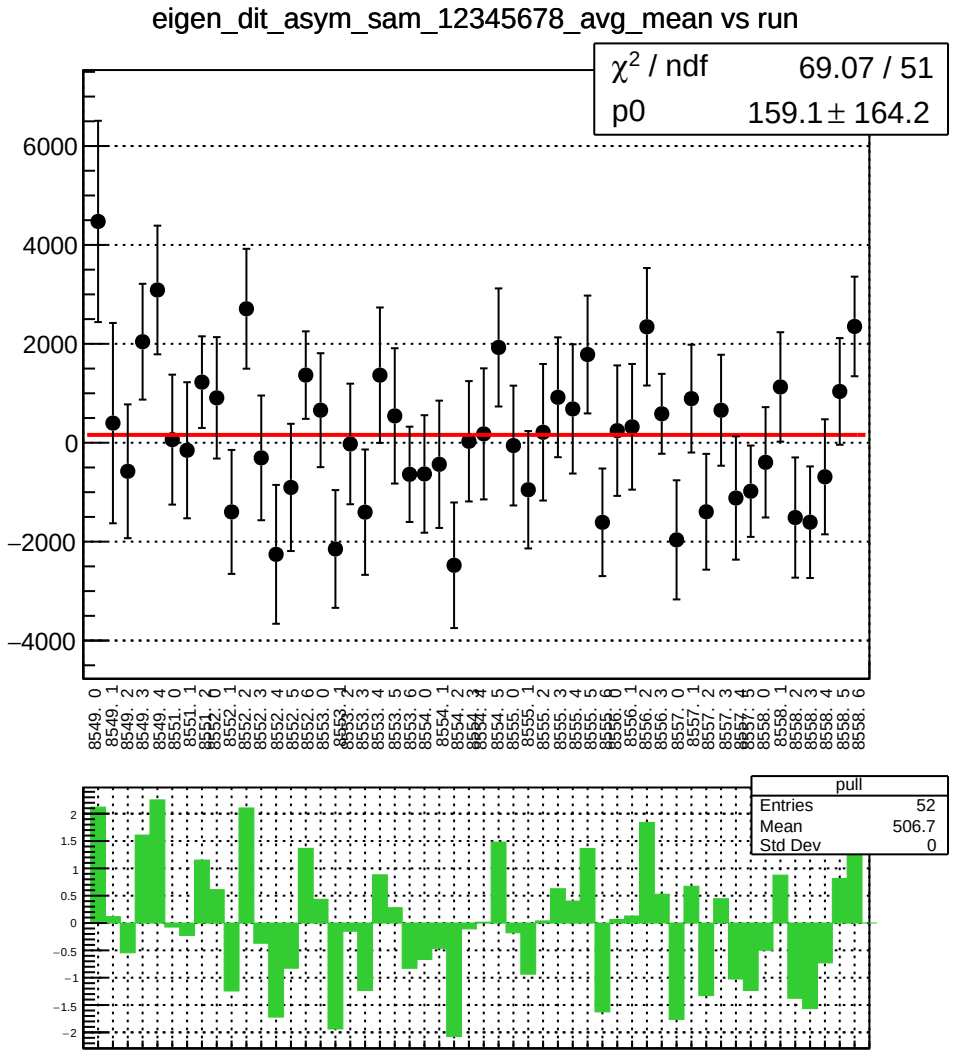

pull1D
Entries 52
Mean −0.006066
Std Dev 1.152

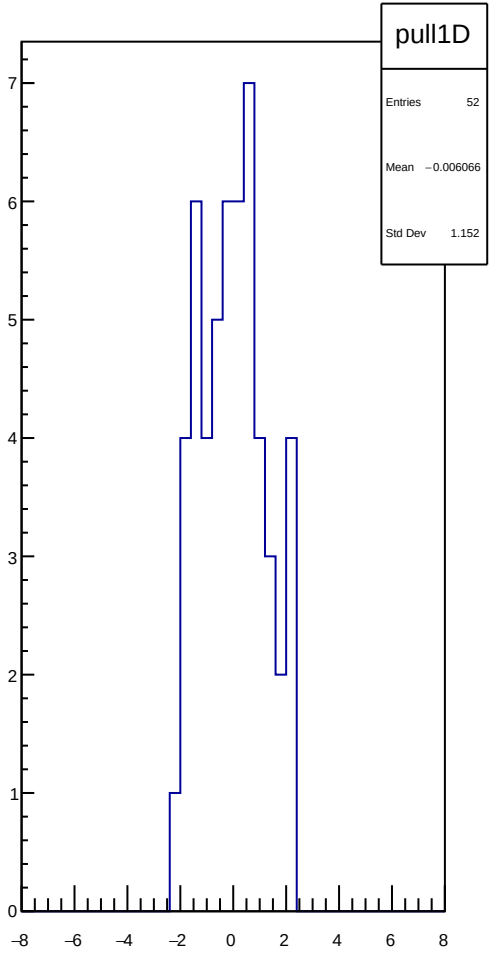

dit_asym_sam_12345678_avg_rms vs run
χ² / ndf 1.267e+04 / 51
p0 116.9 ± 0.1161
200
180
160
140
120
100
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 5
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

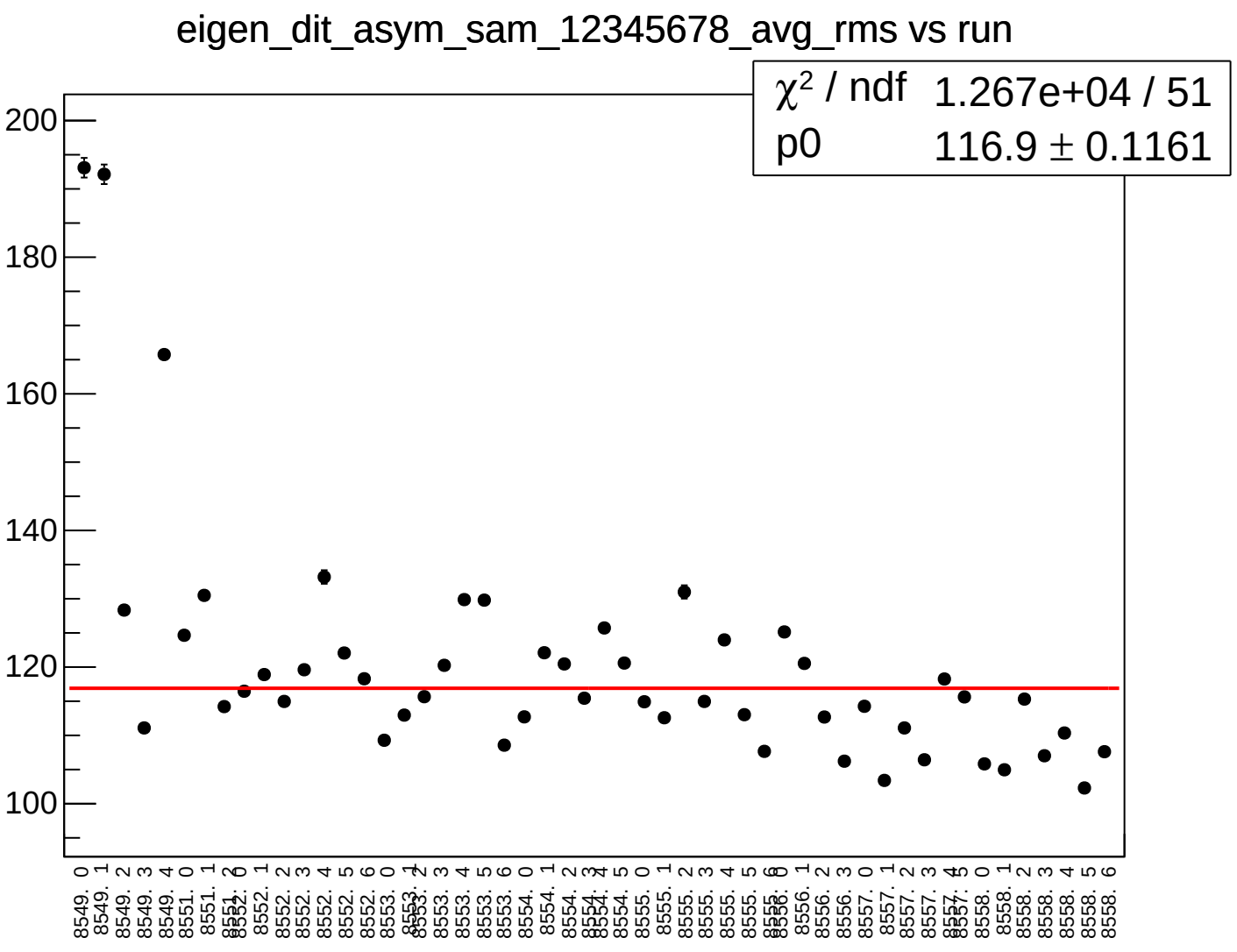

asym_sam_12345678_avg_dit_correction_mean vs run
χ² / ndf 69.65 / 51
p0 −4225 ± 1655
40000
20000
0
−20000
−40000
−60000
pull
Entries 52
Mean 19.24
Std Dev 0
2
1
0
−1
−2
−3


pull1D
Entries 52
Mean −0.03781
Std Dev 1.157
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


asym_sam_12345678_avg_dit_correction_rms vs run
χ² / ndf 2617 / 51
p0 1184 ± 1.17
1350
1300
1250
1200
1150
1100
1050
1000
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 5
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6


eigen_dit_asym_sam_12345678_avg_mean vs run
χ² / ndf 69.07 / 51
p0 159.1 ± 164.2
pull
Entries 52
Mean 506.7
Std Dev 0


pull1D
Entries 52
Mean −0.006066
Std Dev 1.152


eigen_dit_asym_sam_12345678_avg_rms vs run
χ² / ndf 1.267e+04 / 51
p0 116.9 ± 0.1161
200
180
160
140
120
100
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 5
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
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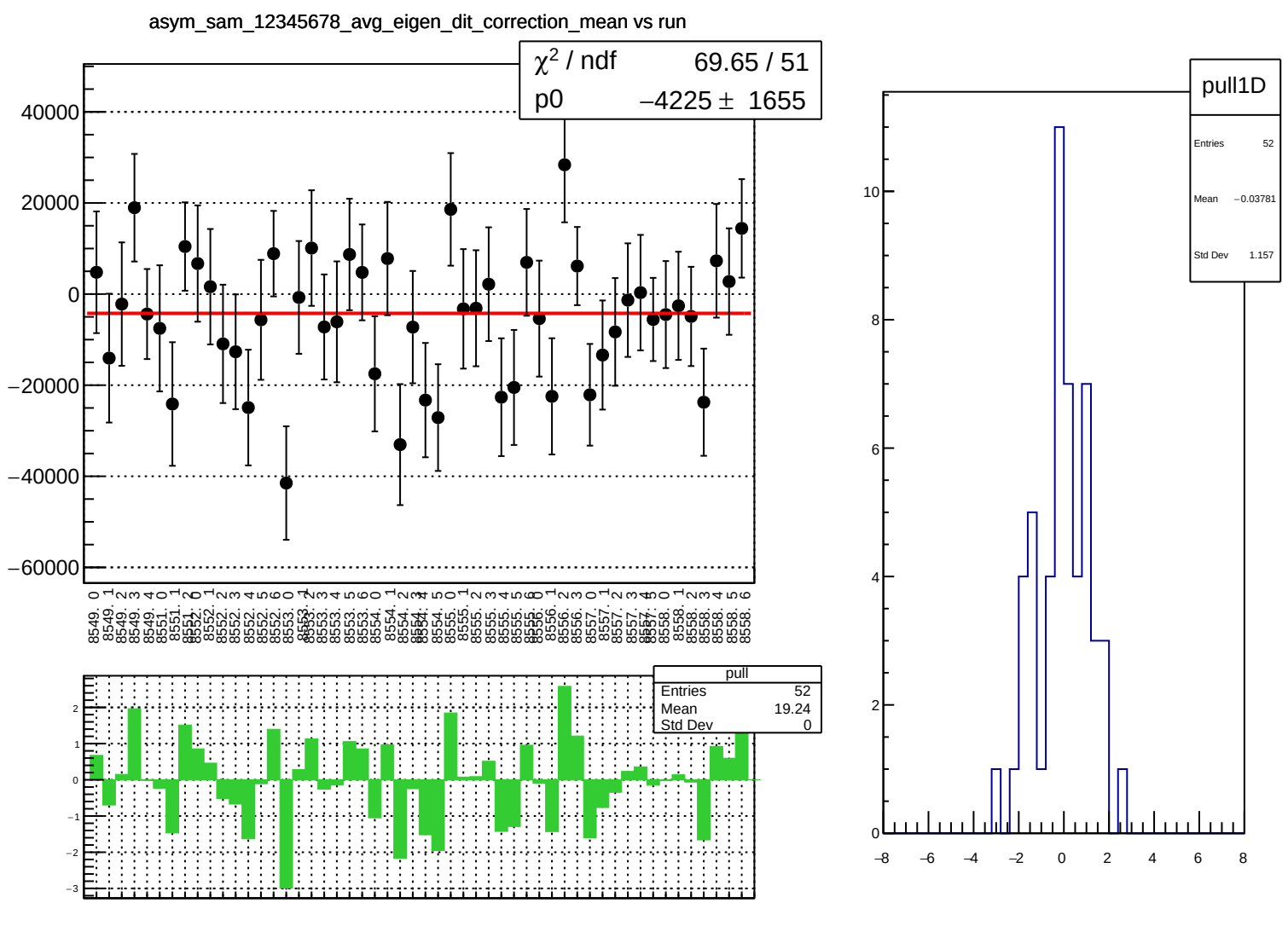
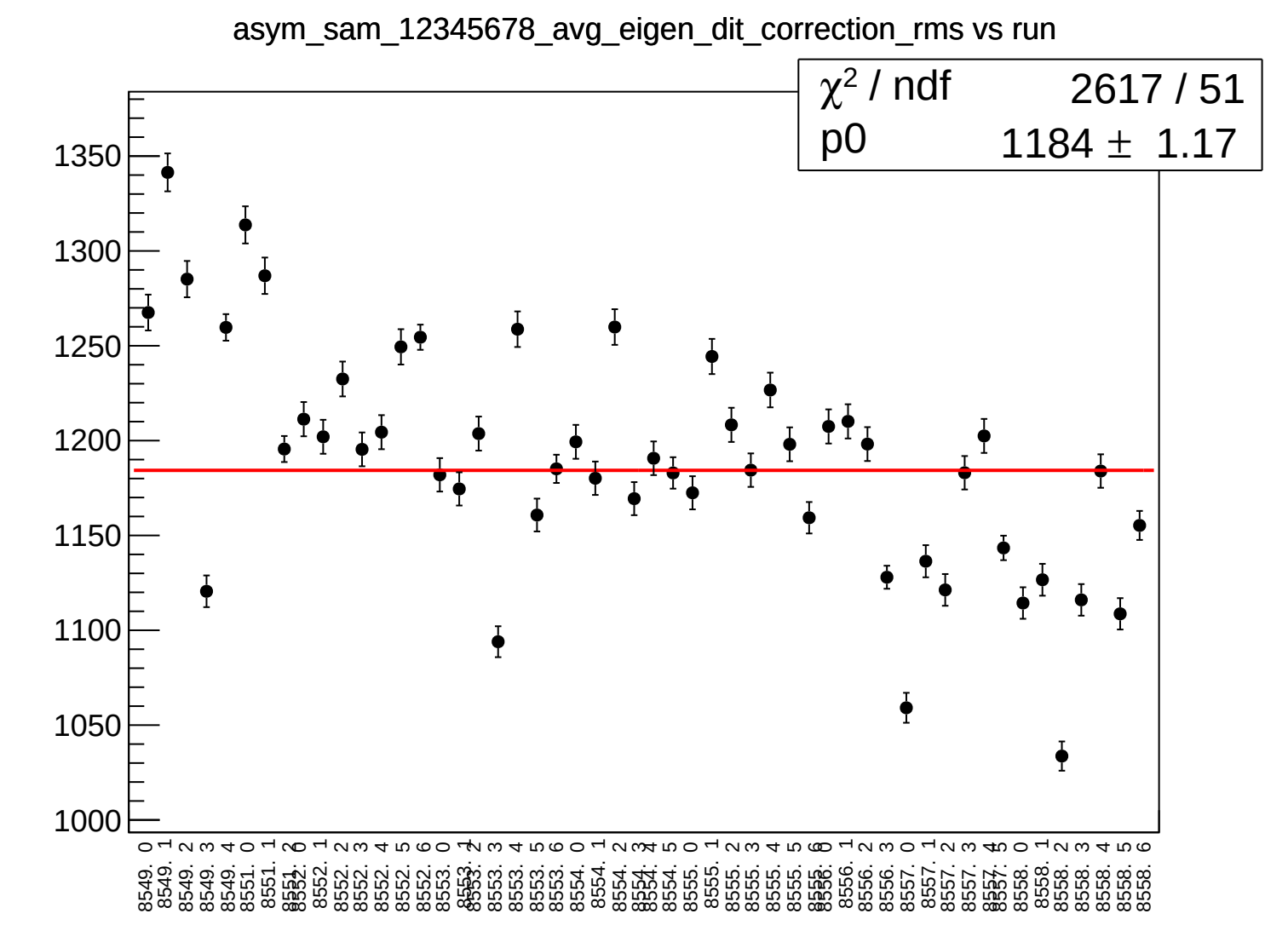
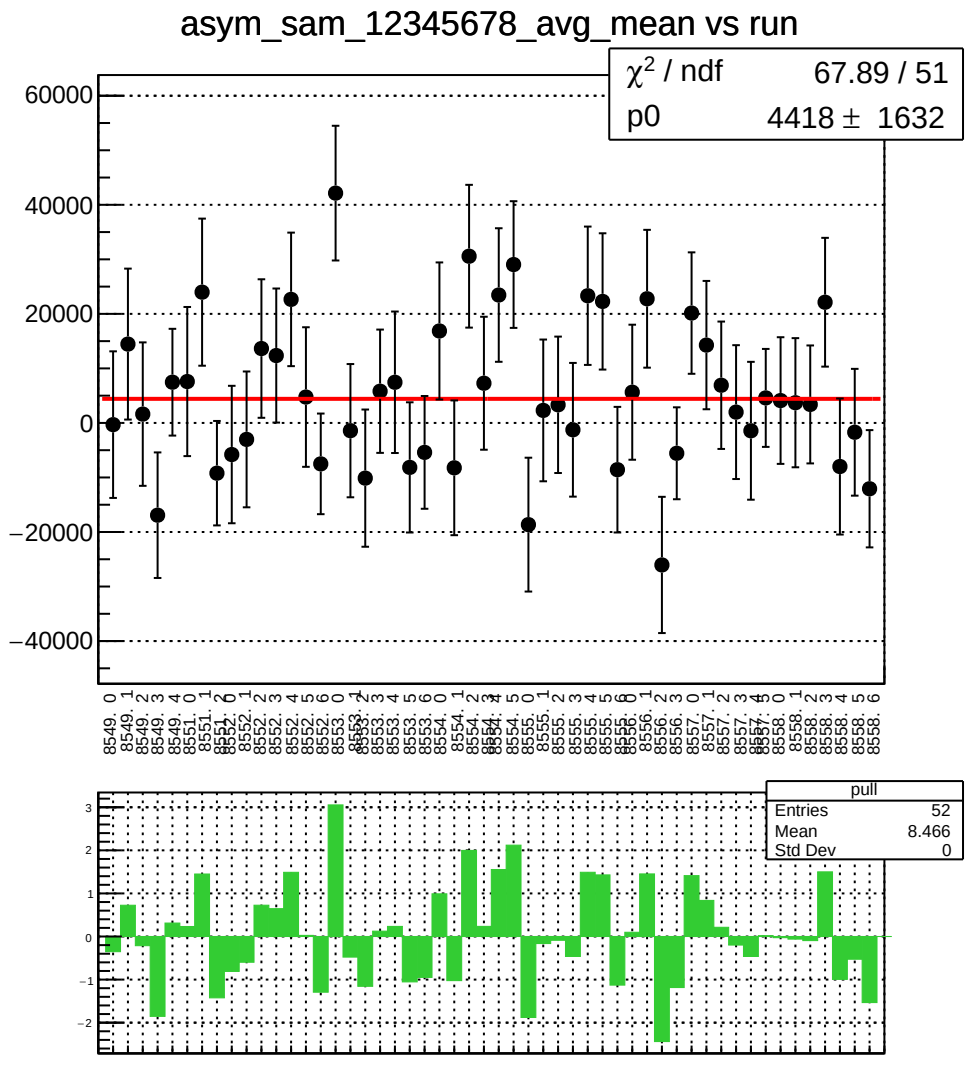
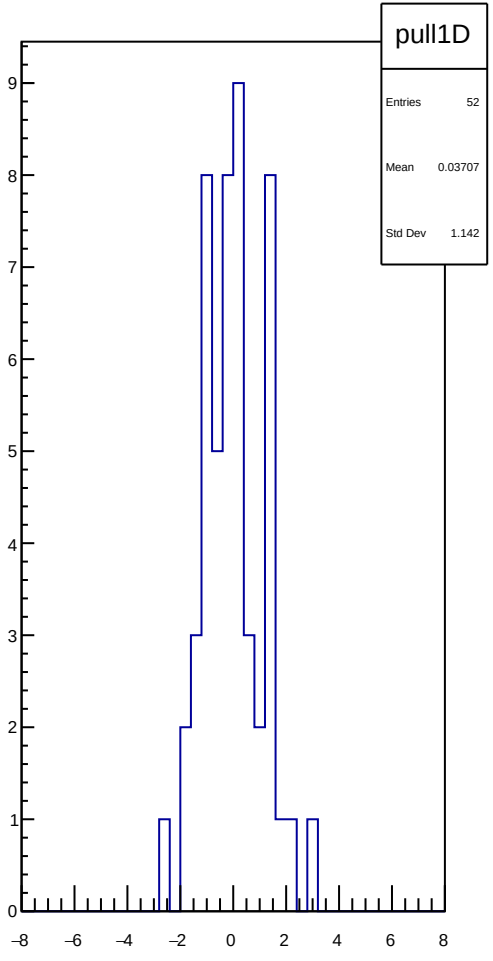
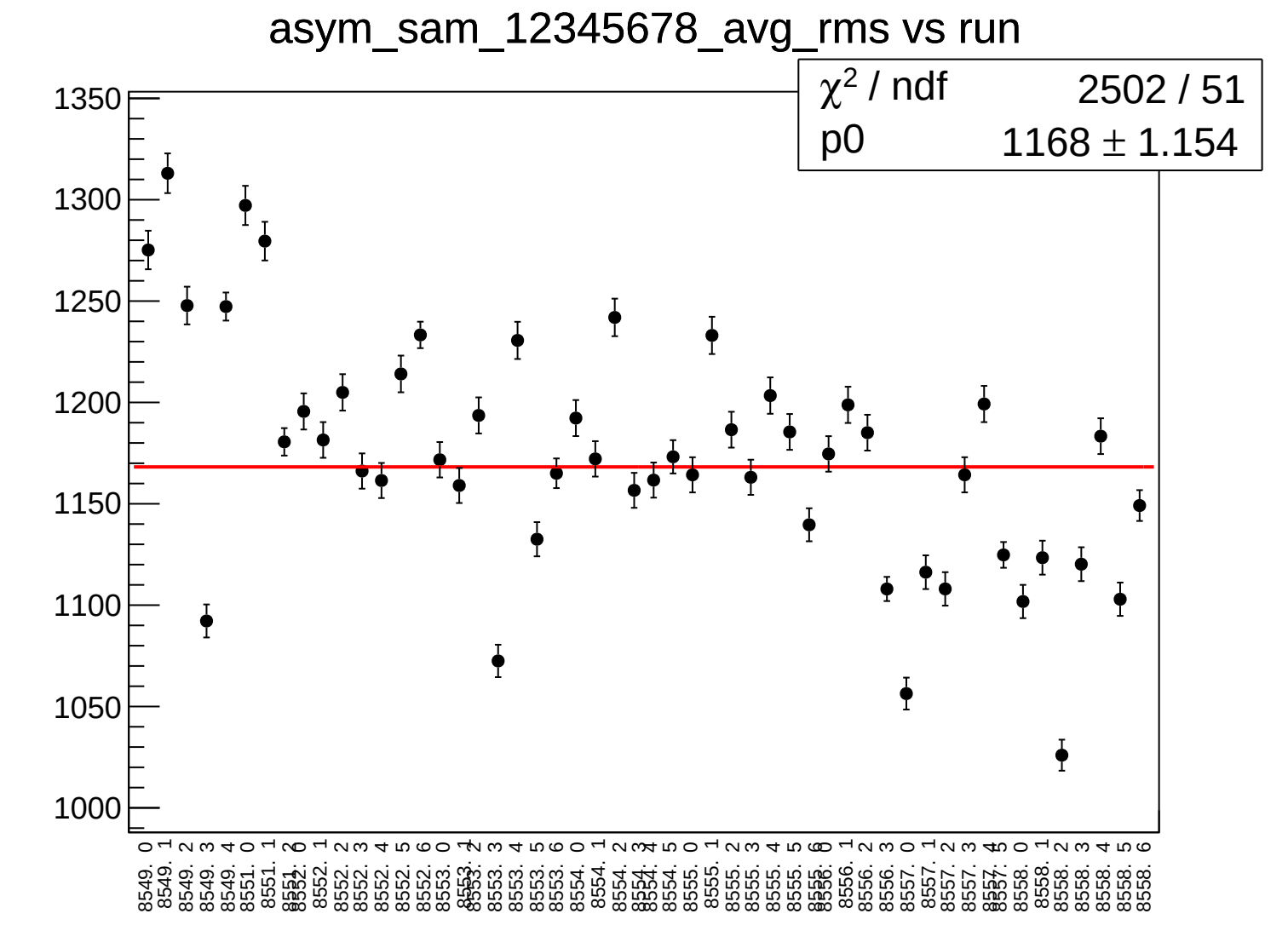
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

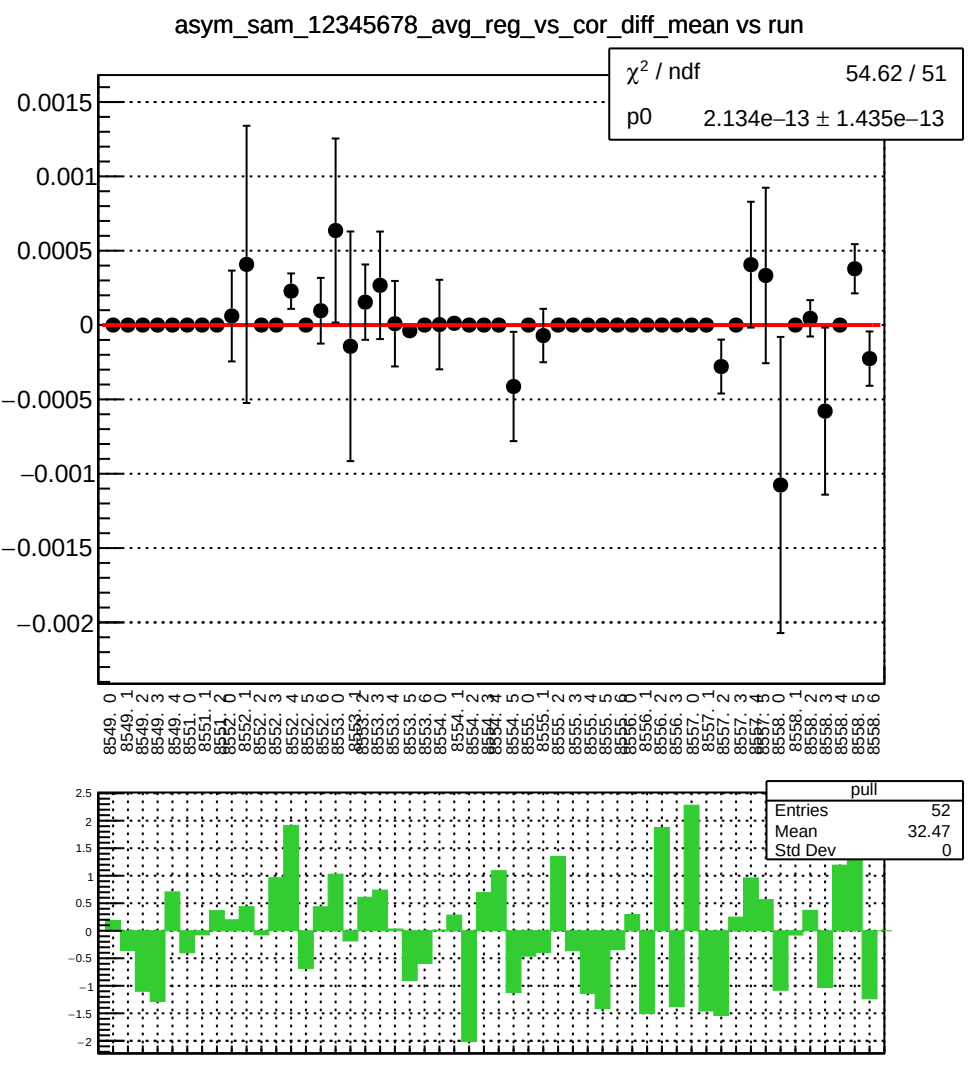

asym_sam_12345678_avg_eigen_dit_correction_mean vs run
χ² / ndf 69.65 / 51
p0 −4225 ± 1655
40000
20000
0
−20000
−40000
−60000
pull
Entries 52
Mean 19.24
Std Dev 0
pull1D
Entries 52
Mean −0.03781
Std Dev 1.157

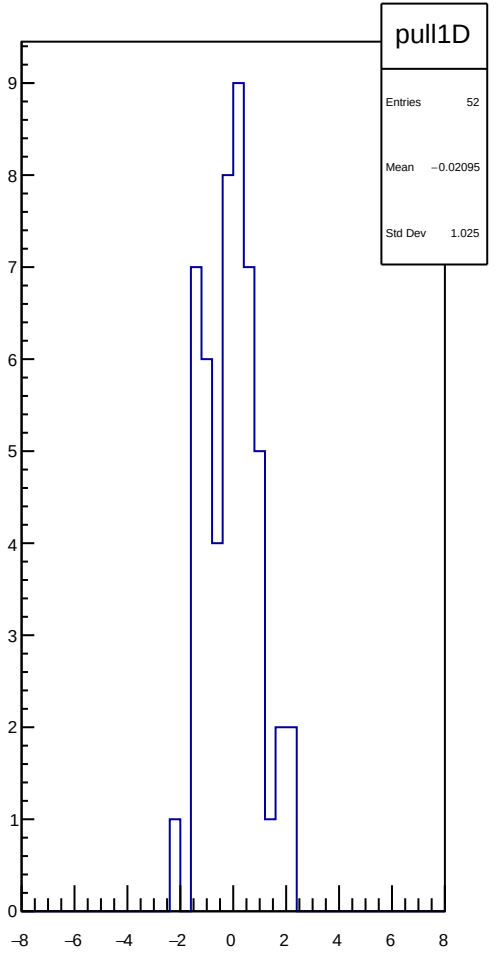

asym_sam_12345678_avg_eigen_dit_correction_rms vs run
χ² / ndf 2617 / 51
p0 1184 ± 1.17
1350
1300
1250
1200
1150
1100
1050
1000
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

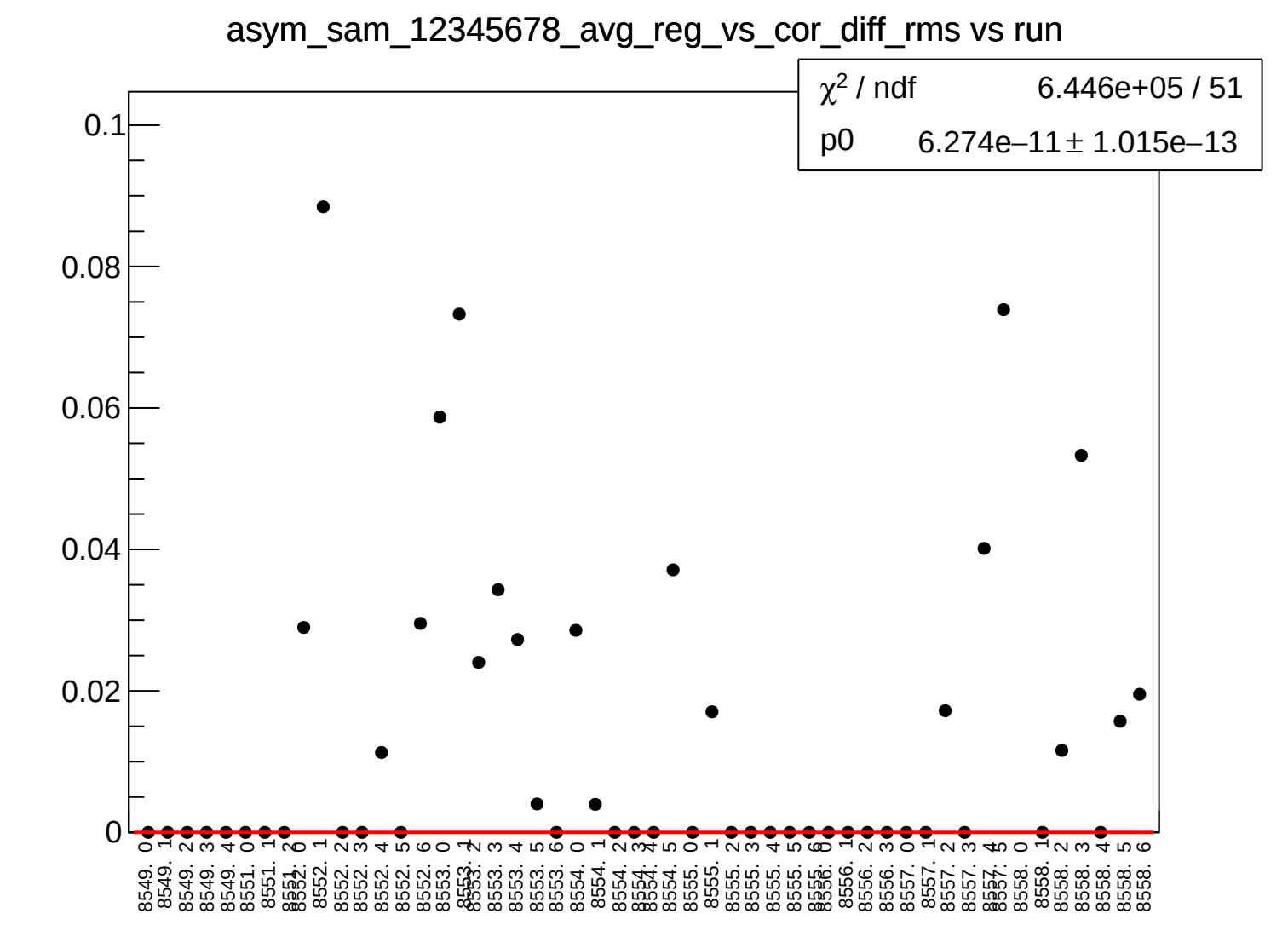

asym_sam_12345678_avg_mean vs run
χ² / ndf 67.89 / 51
p0 4418 ± 1632
60000
40000
20000
0
−20000
−40000
pull
Entries 52
Mean 8.466
Std Dev 0
3
2
1
0
−1
−2

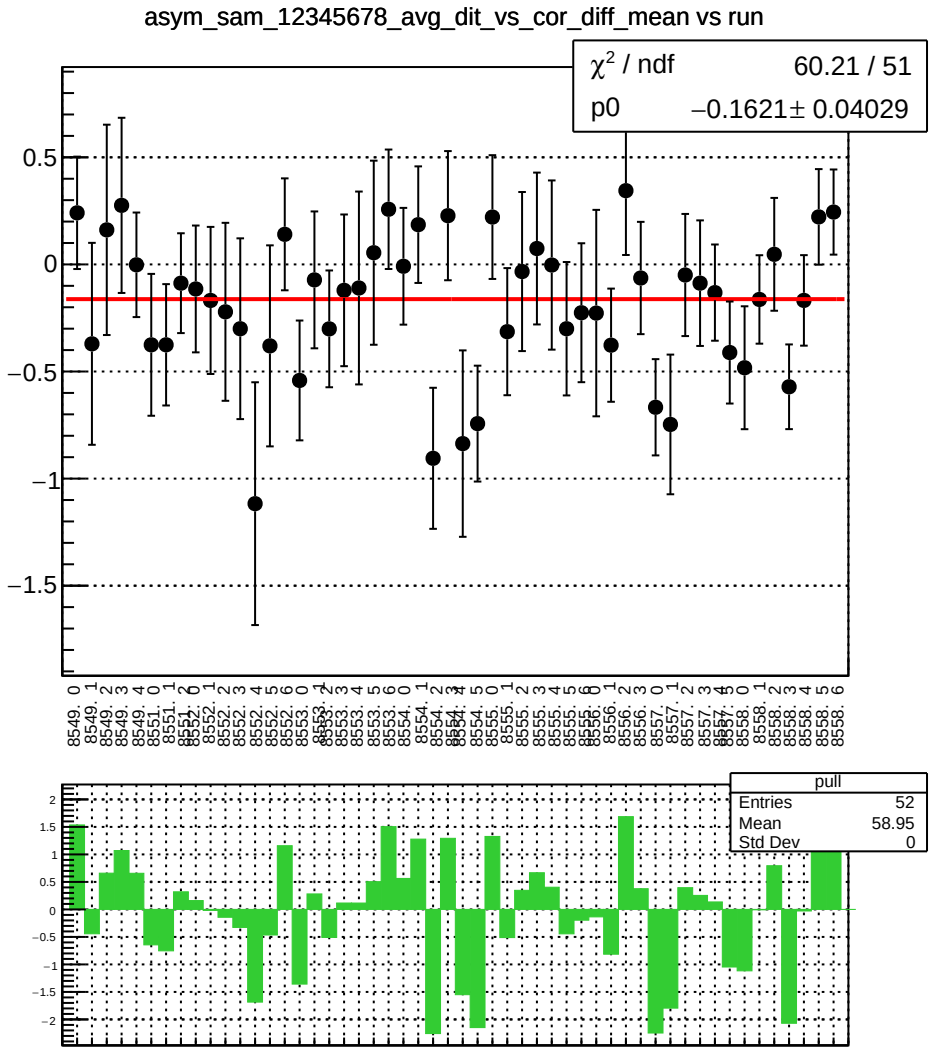

pull1D
Entries 52
Mean 0.03707
Std Dev 1.142
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

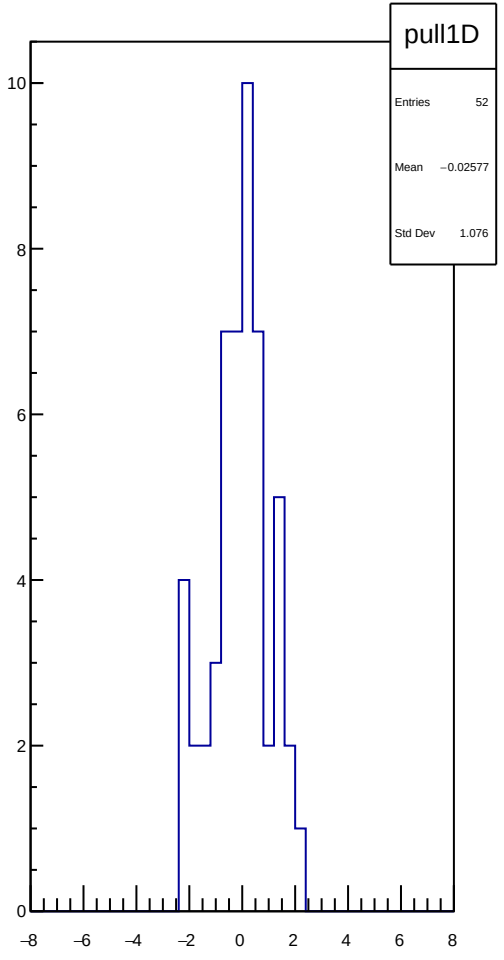

asym_sam_12345678_avg_rms vs run
χ² / ndf 2502 / 51
p0 1168 ± 1.154
1350
1300
1250
1200
1150
1100
1050
1000
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

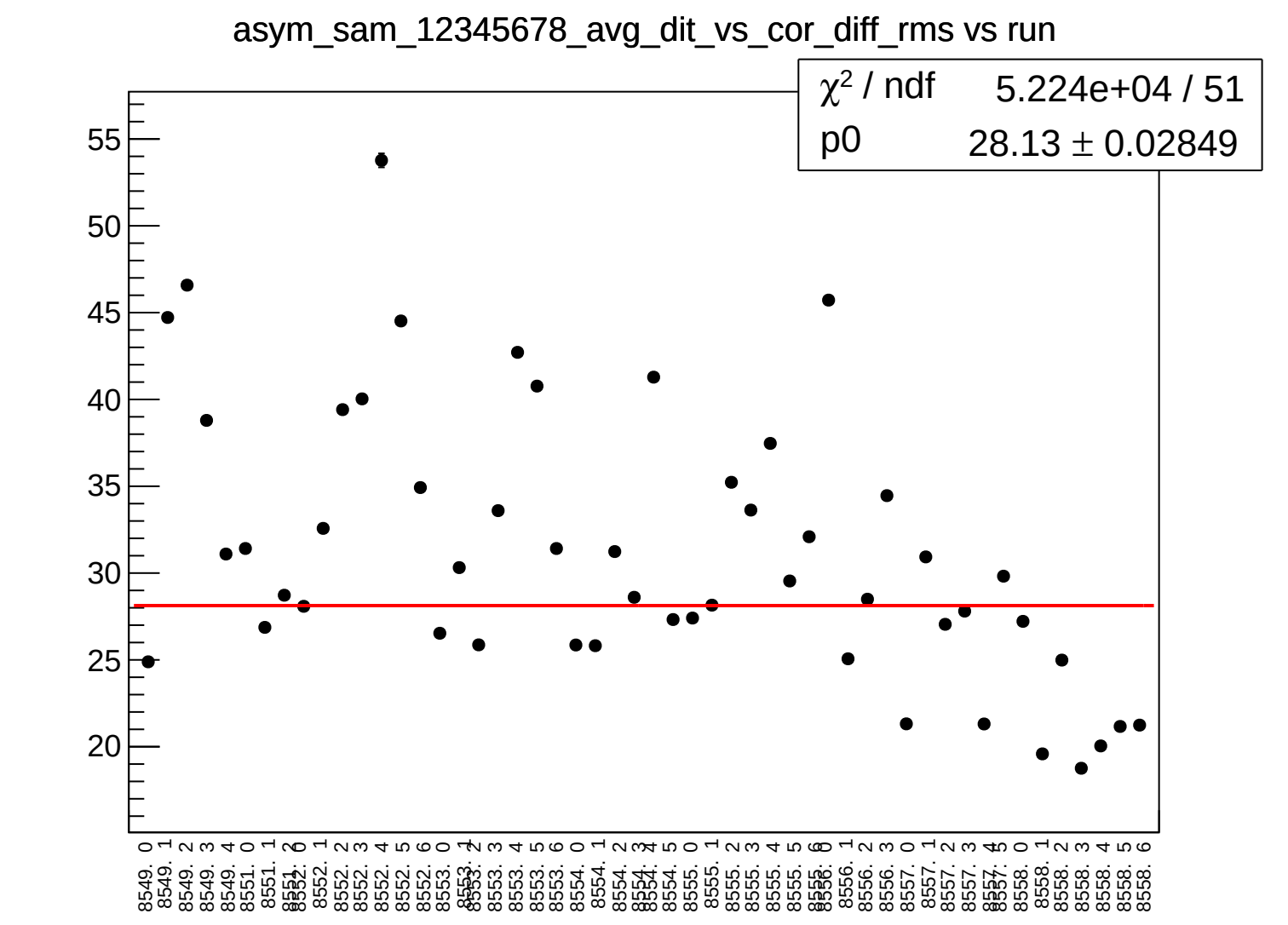

asym_sam_12345678_avg_reg_vs_cor_diff_mean vs run
χ² / ndf 54.62 / 51
p0 2.134e−13 ± 1.435e−13
0.0015
0.001
0.0005
0
−0.0005
−0.001
−0.0015
−0.002
pull
Entries 52
Mean 32.47
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

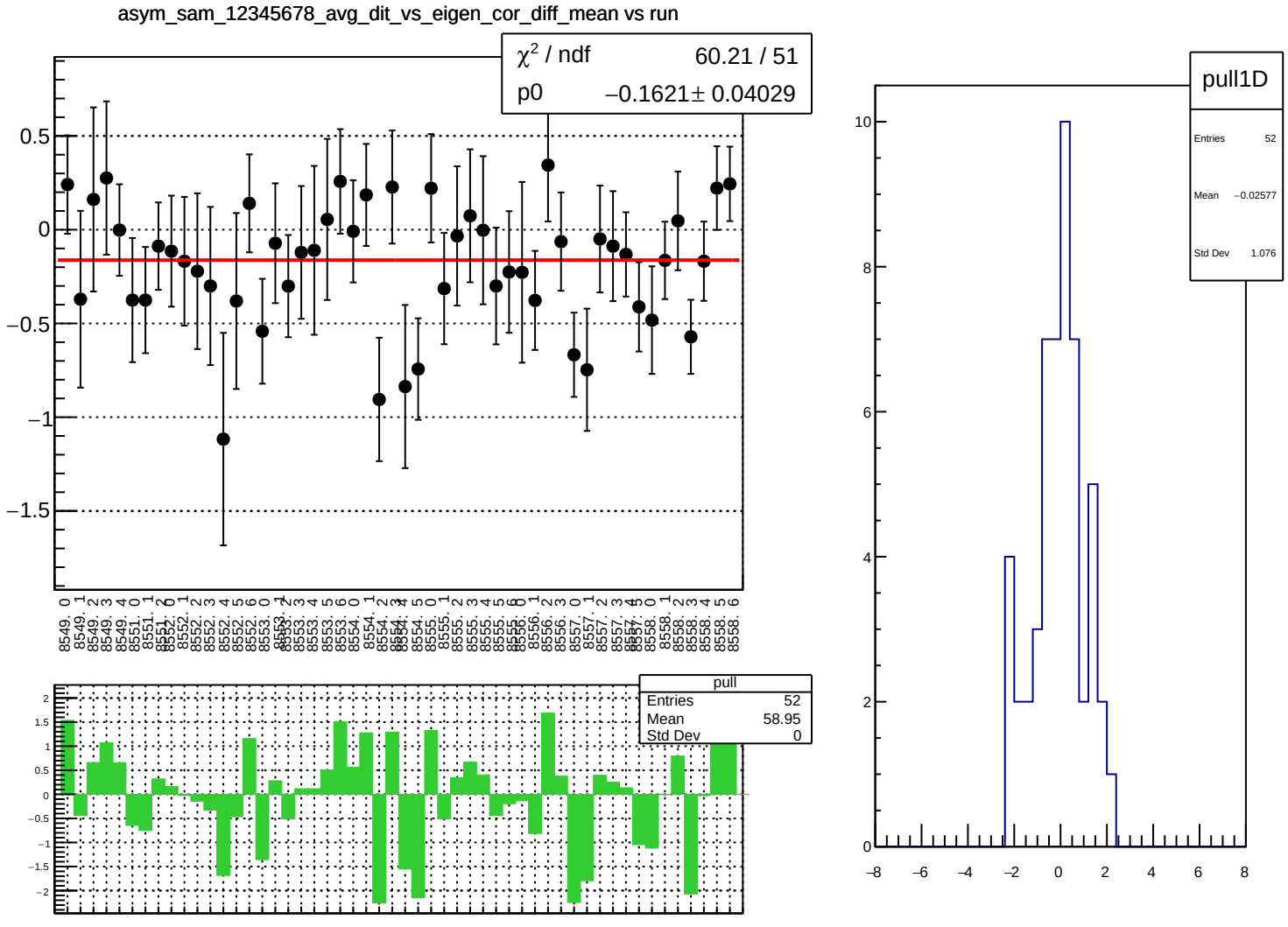

pull1D
Entries 52
Mean −0.02095
Std Dev 1.025
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

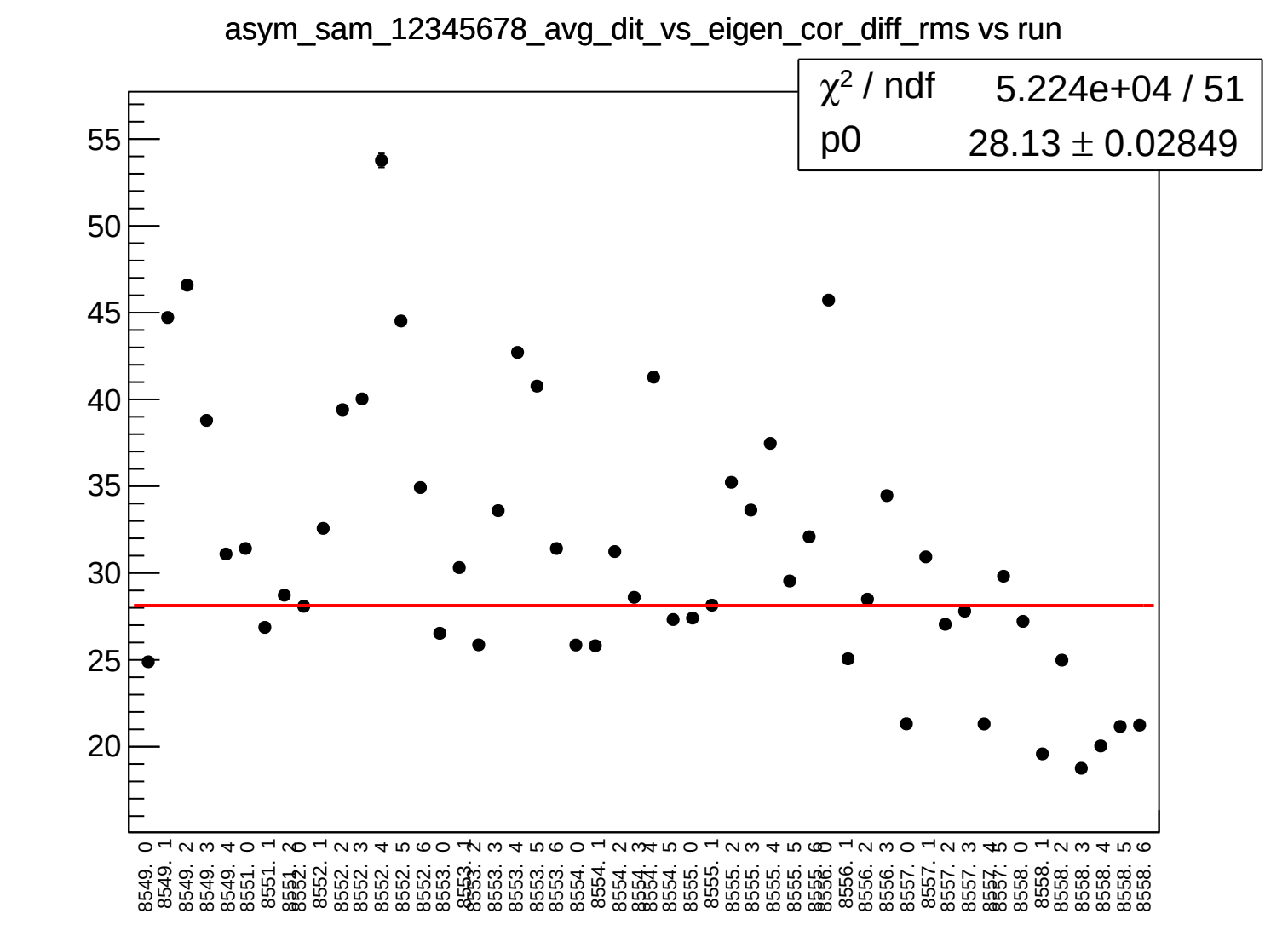

asym_sam_12345678_avg_reg_vs_cor_diff_rms vs run
χ² / ndf 6.446e+05 / 51
p0 6.274e−11 ± 1.015e−13
0.1
0.08
0.06
0.04
0.02
0

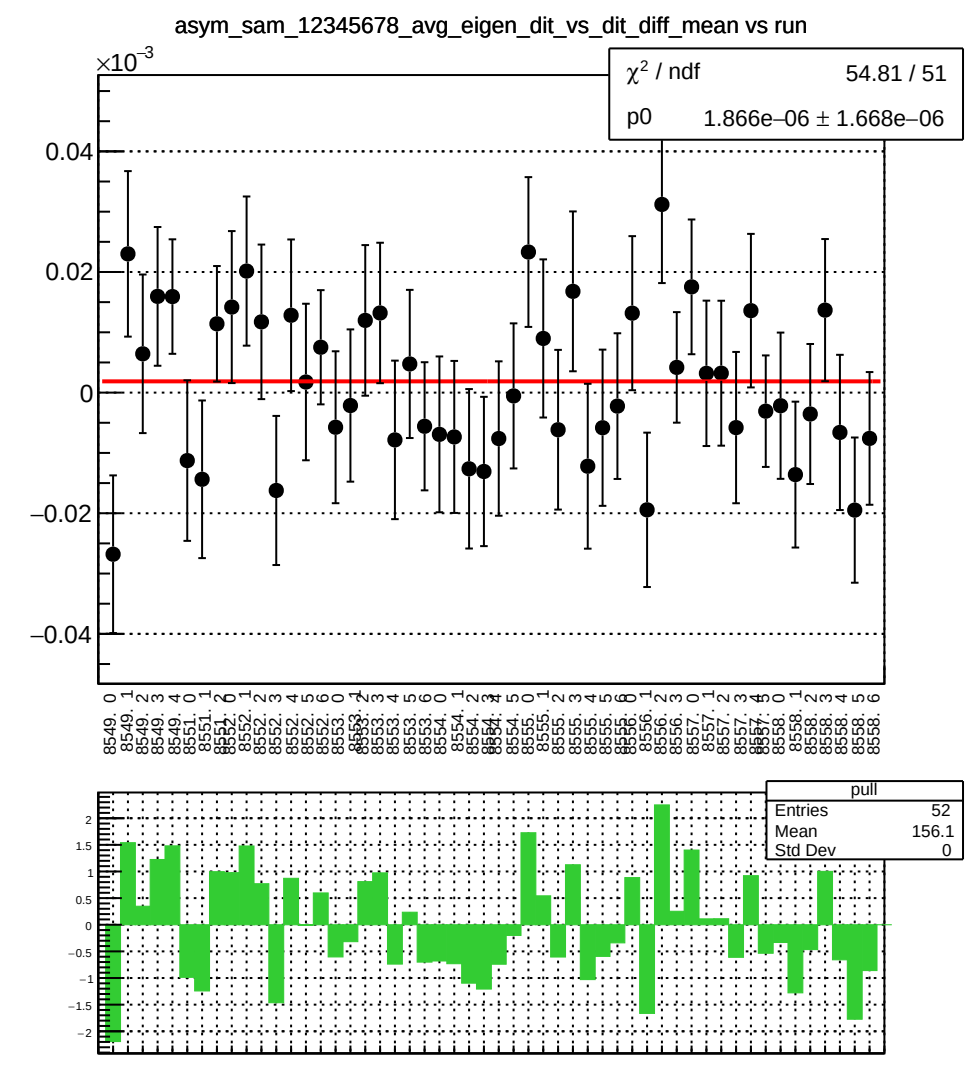

asym_sam_12345678_avg_dit_vs_cor_diff_mean vs run
χ² / ndf 60.21 / 51
p0 −0.1621± 0.04029
pull
Entries 52
Mean 58.95
Std Dev 0

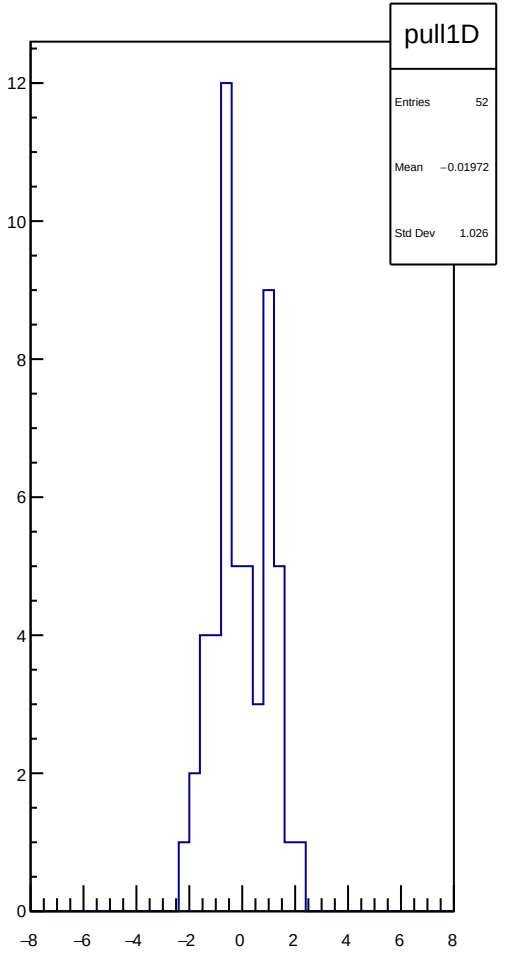

pull1D
Entries 52
Mean −0.02577
Std Dev 1.076

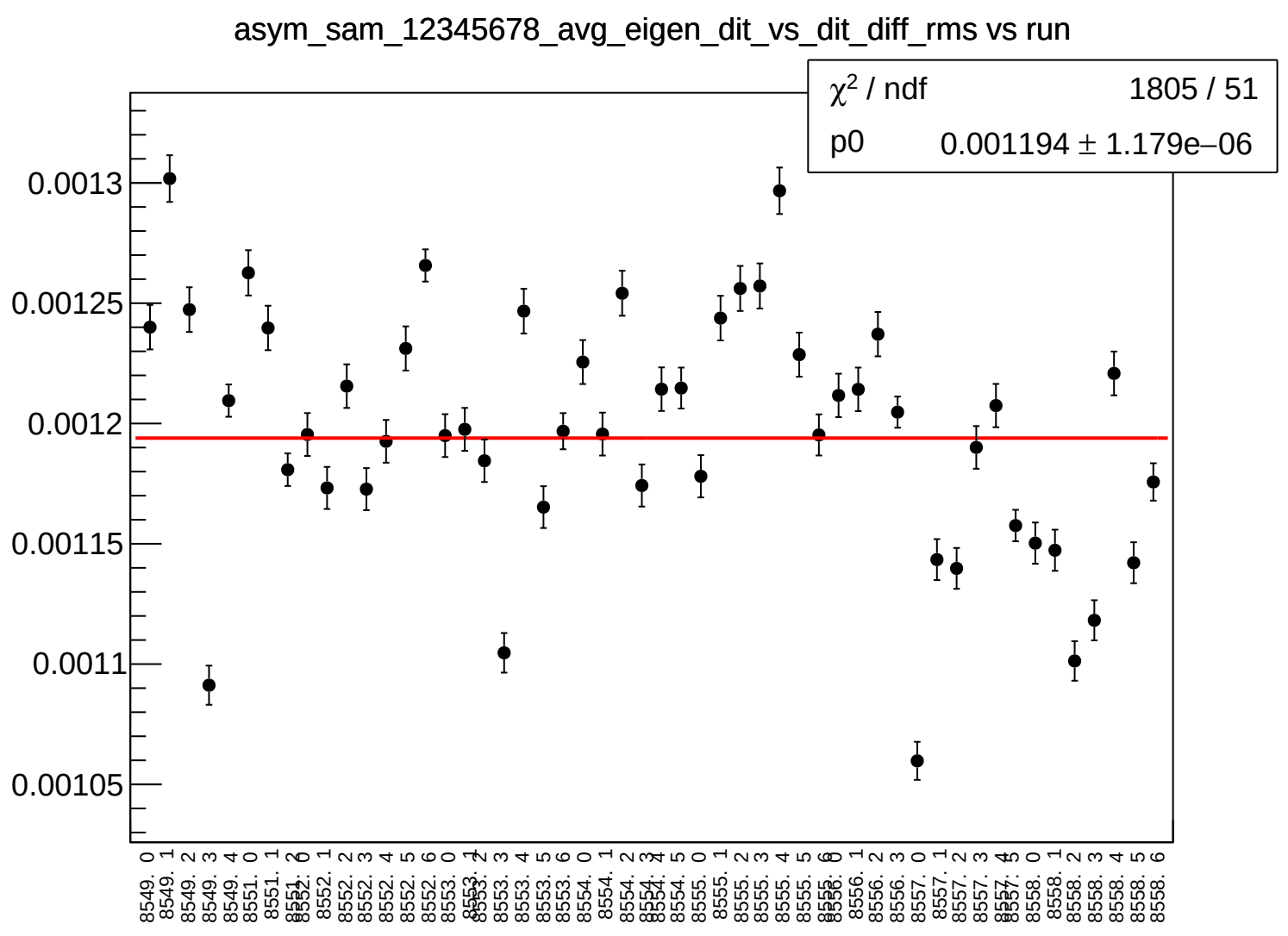

asym_sam_12345678_avg_dit_vs_cor_diff_rms vs run
χ² / ndf 5.224e+04 / 51
p0 28.13 ± 0.02849
55
50
45
40
35
30
25
20
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

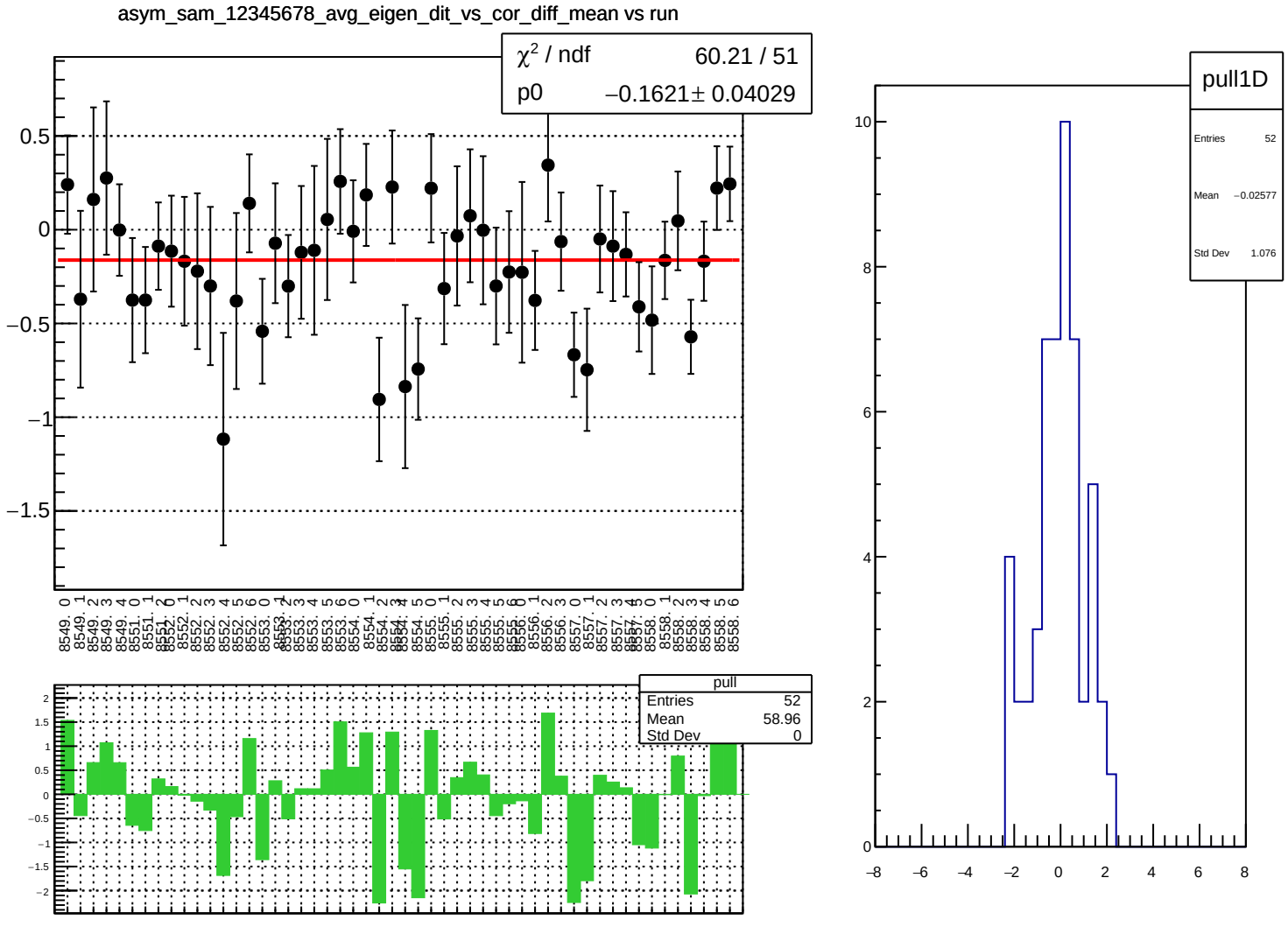

asym_sam_12345678_avg_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 60.21 / 51
p0 −0.1621± 0.04029
pull
Entries 52
Mean 58.95
Std Dev 0
pull1D
Entries 52
Mean −0.02577
Std Dev 1.076

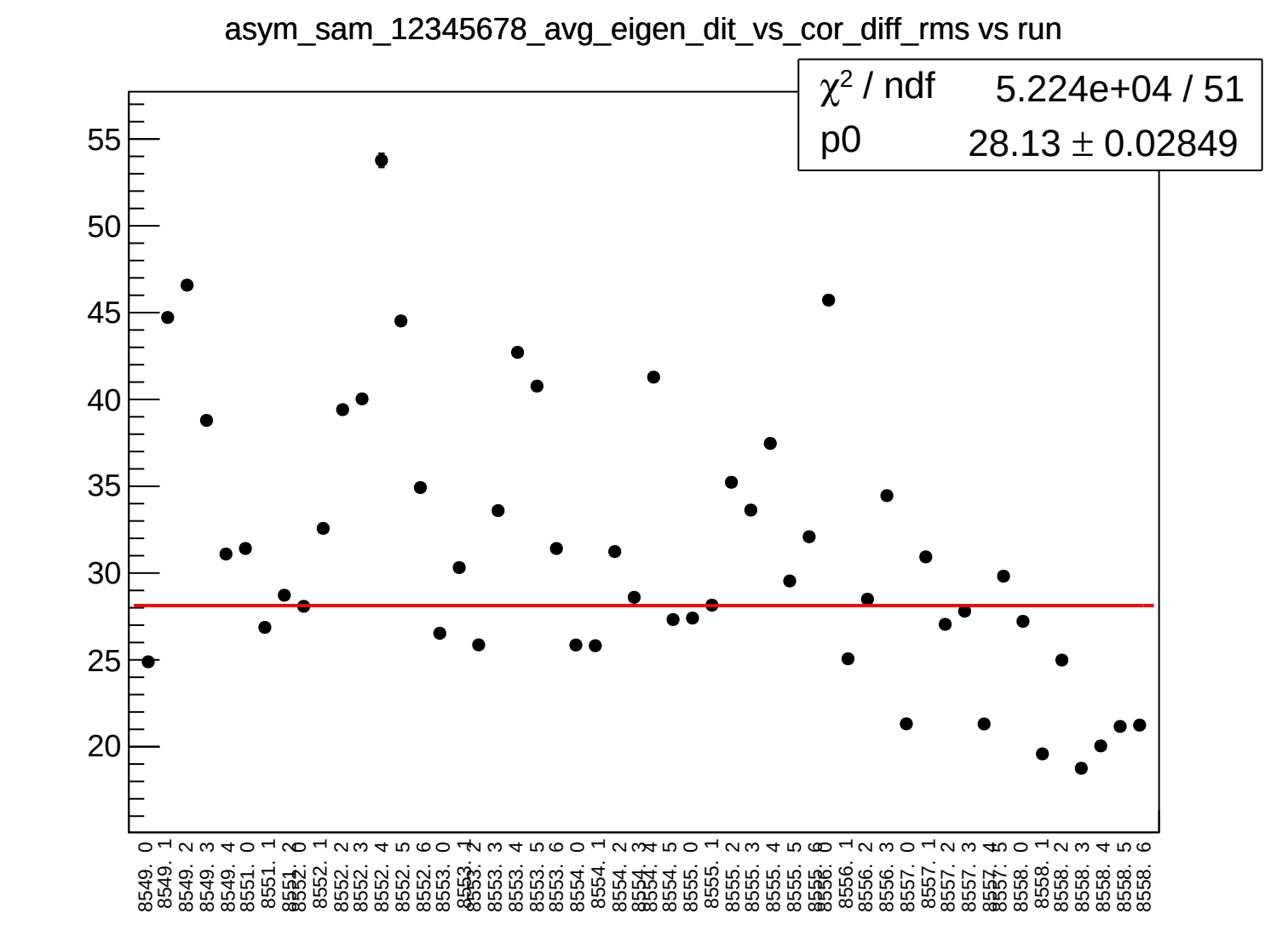

asym_sam_12345678_avg_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 5.224e+04 / 51
p0 28.13 ± 0.02849
55
50
45
40
35
30
25
20
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

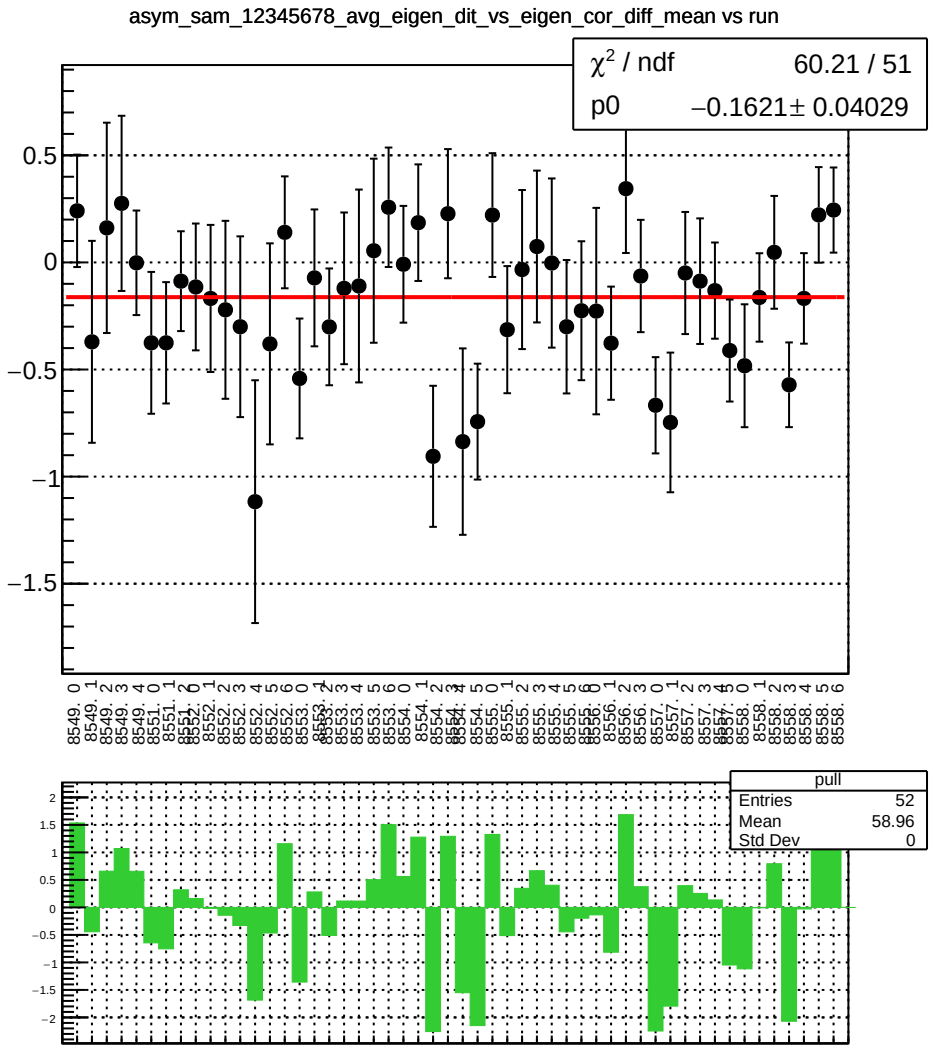

asym_sam_12345678_avg_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 54.81 / 51
p0 1.866e−06 ± 1.668e−06
0.04
0.02
0
−0.02
−0.04
pull
Entries 52
Mean 156.1
Std Dev 0

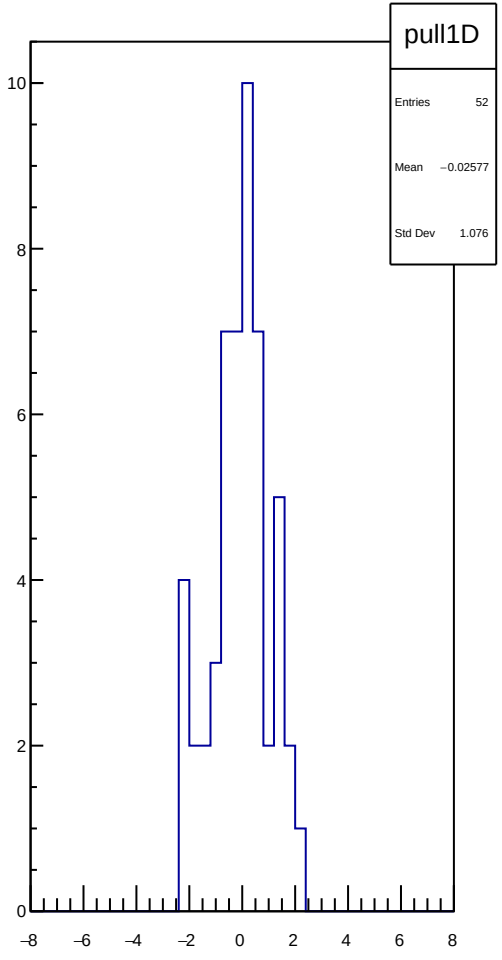

pull1D
Entries 52
Mean −0.01972
Std Dev 1.026
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

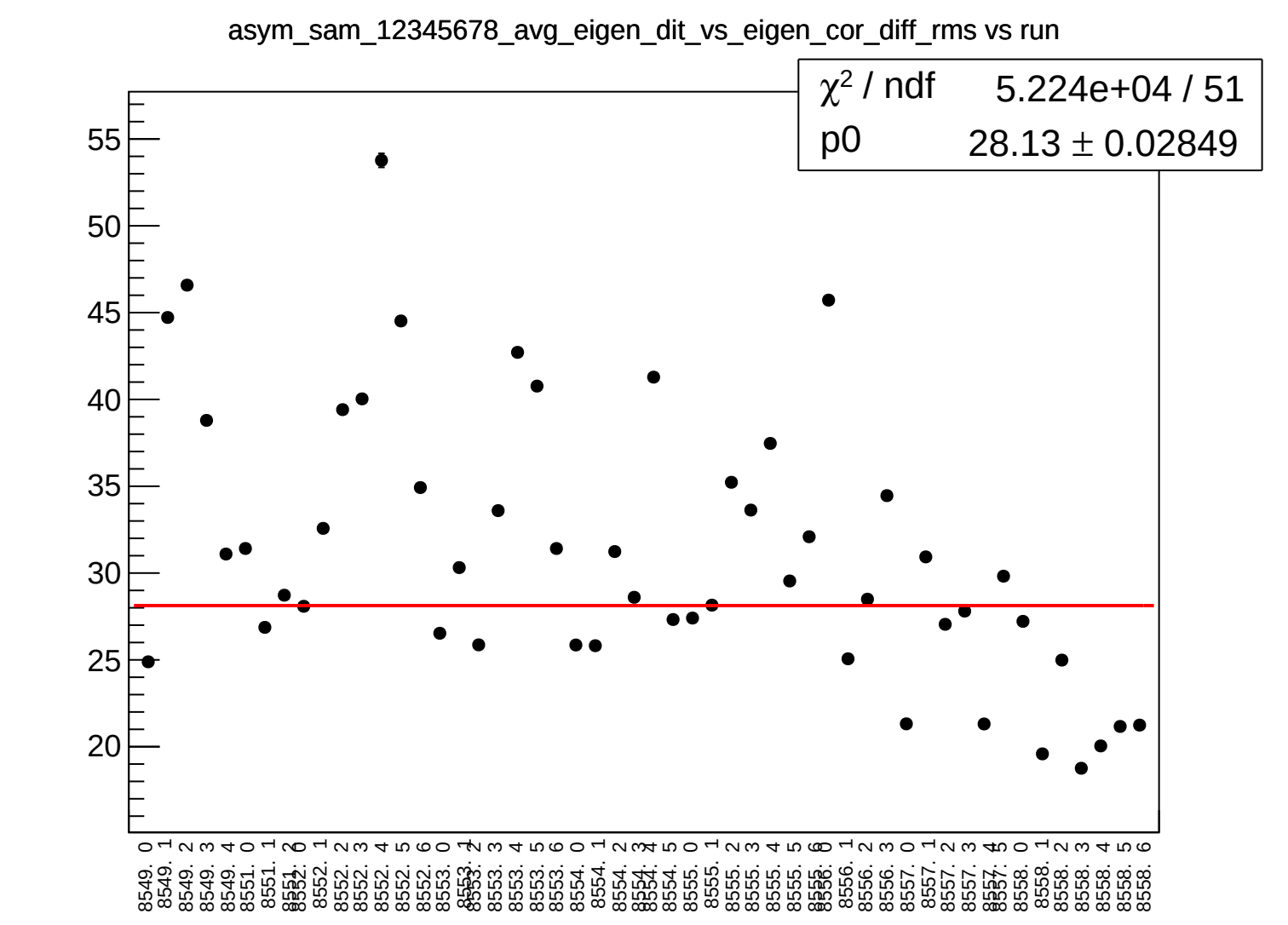

asym_sam_12345678_avg_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 1805 / 51
p0 0.001194 ± 1.179e−06
0.0013
0.00125
0.0012
0.00115
0.0011
0.00105

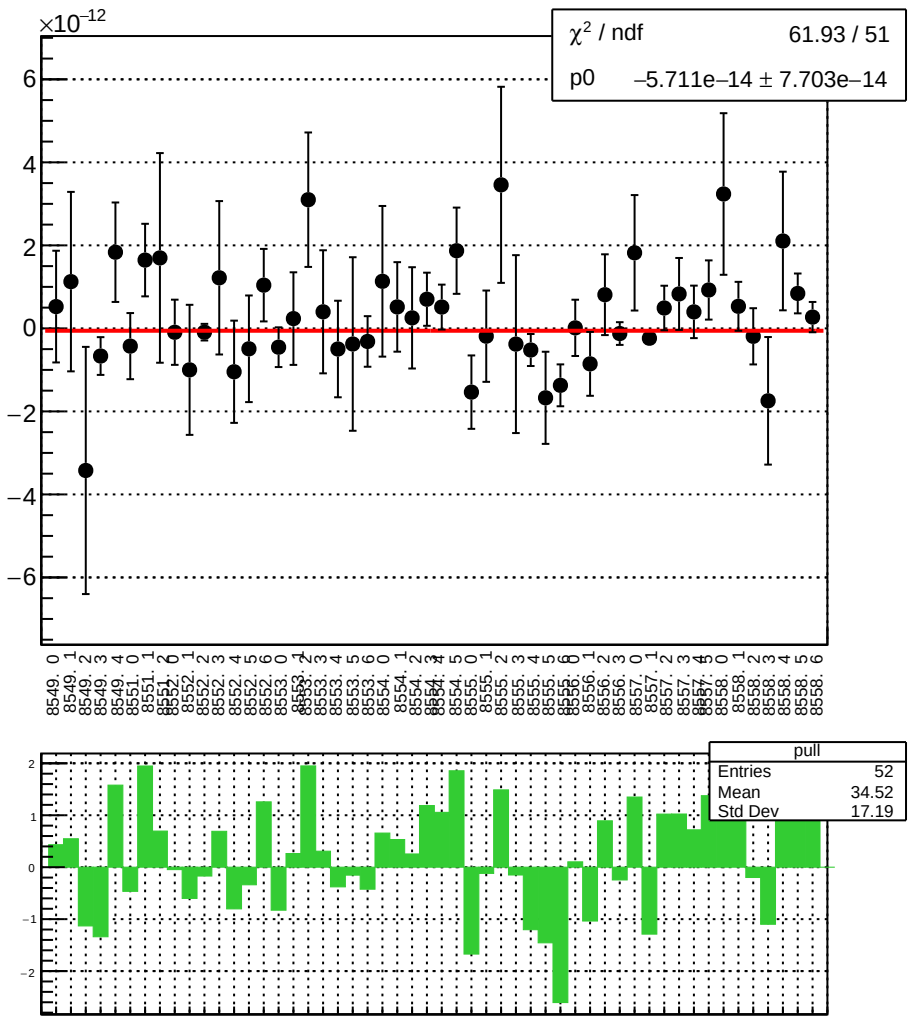

asym_sam_12345678_avg_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 60.21 / 51
p0 −0.1621± 0.04029
pull
Entries 52
Mean 58.96
Std Dev 0
pull1D
Entries 52
Mean −0.02577
Std Dev 1.076

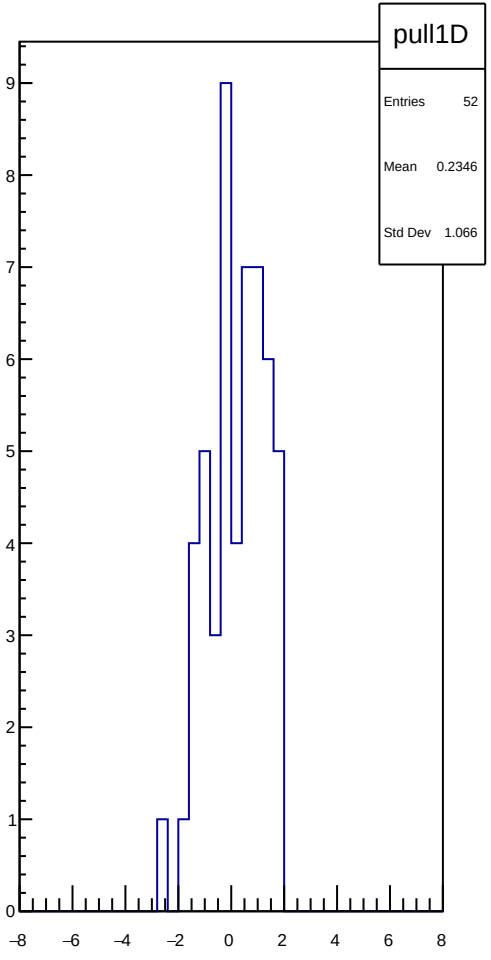

asym_sam_12345678_avg_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 5.224e+04 / 51
p0 28.13 ± 0.02849
55
50
45
40
35
30
25
20
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

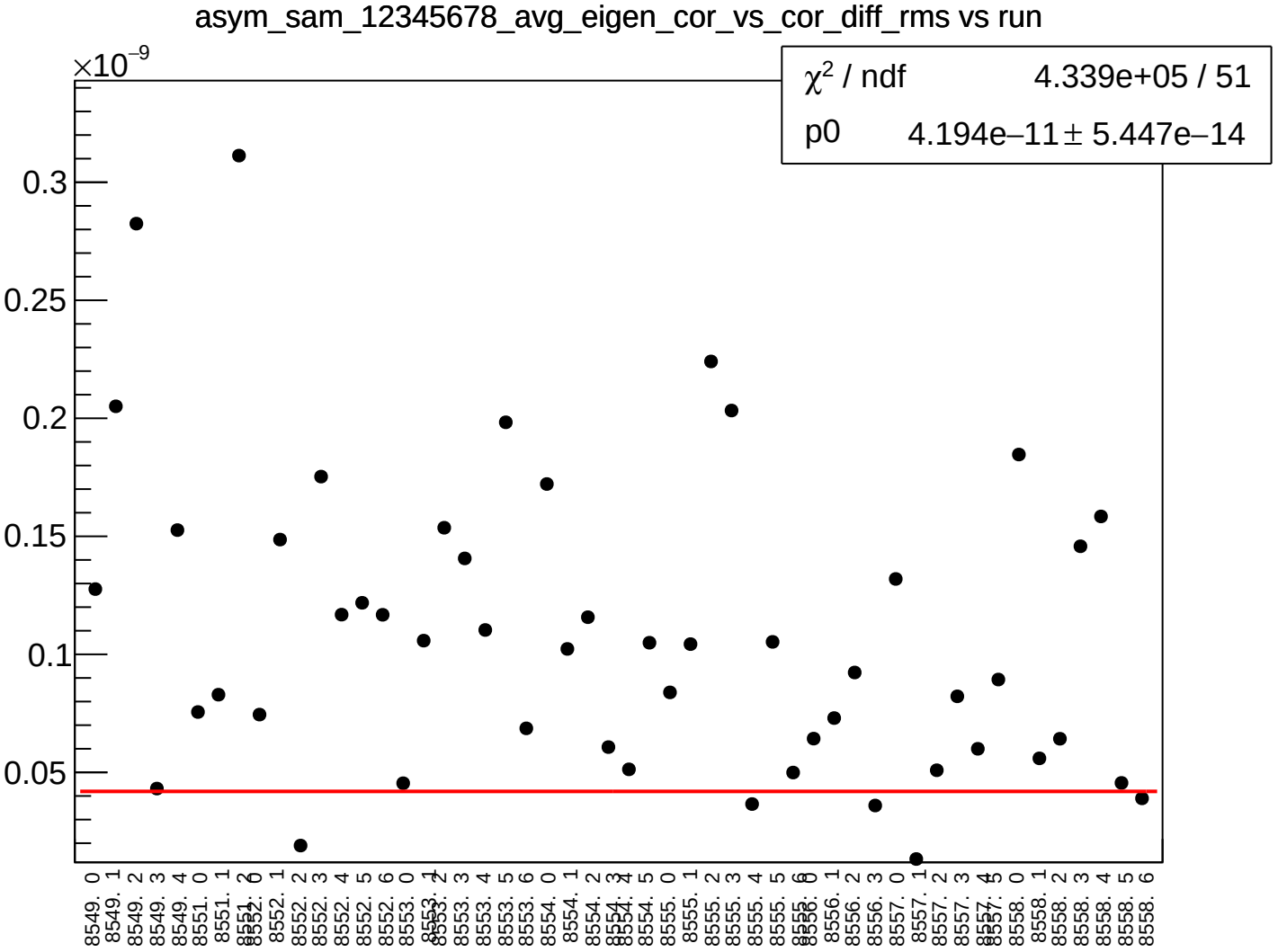

asym_sam_12345678_avg_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 60.21 / 51
p0 −0.1621± 0.04029
pull
Entries 52
Mean 58.96
Std Dev 0

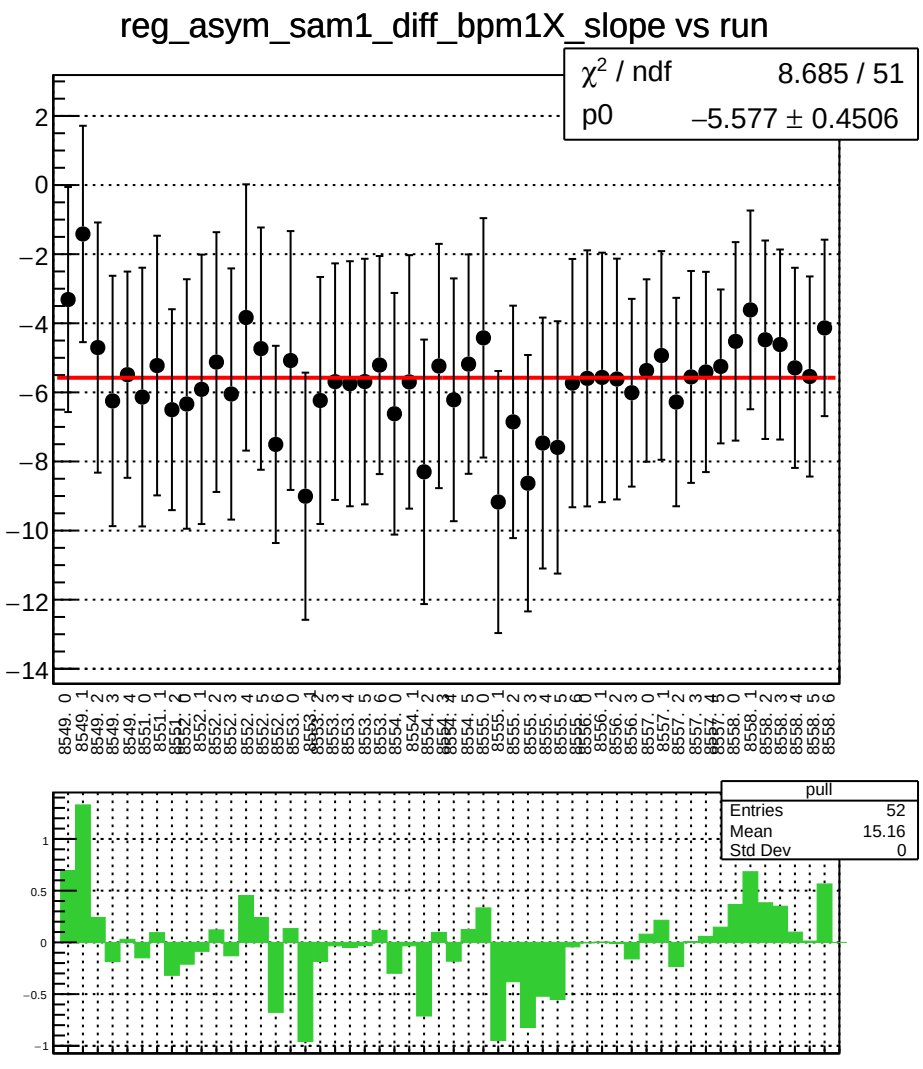

pull1D
Entries 52
Mean −0.02577
Std Dev 1.076

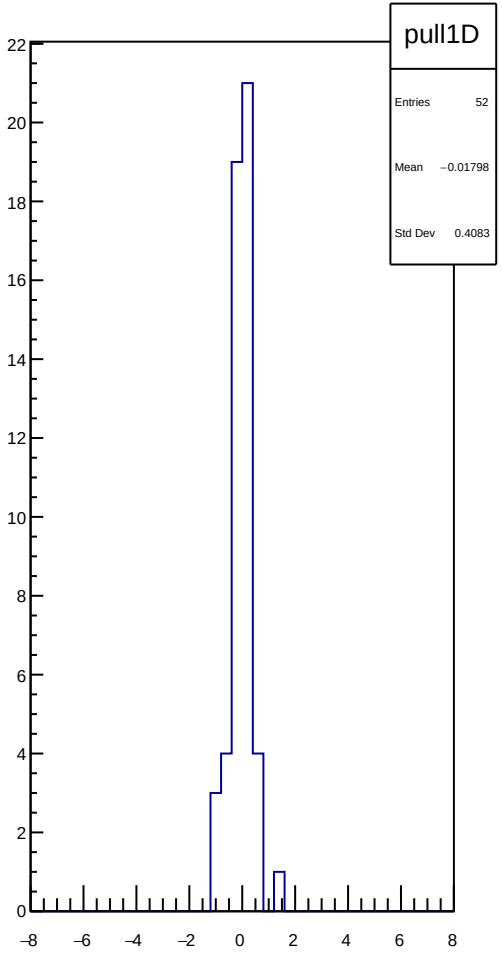

asym_sam_12345678_avg_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 5.224e+04 / 51
p0 28.13 ± 0.02849
55
50
45
40
35
30
25
20
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

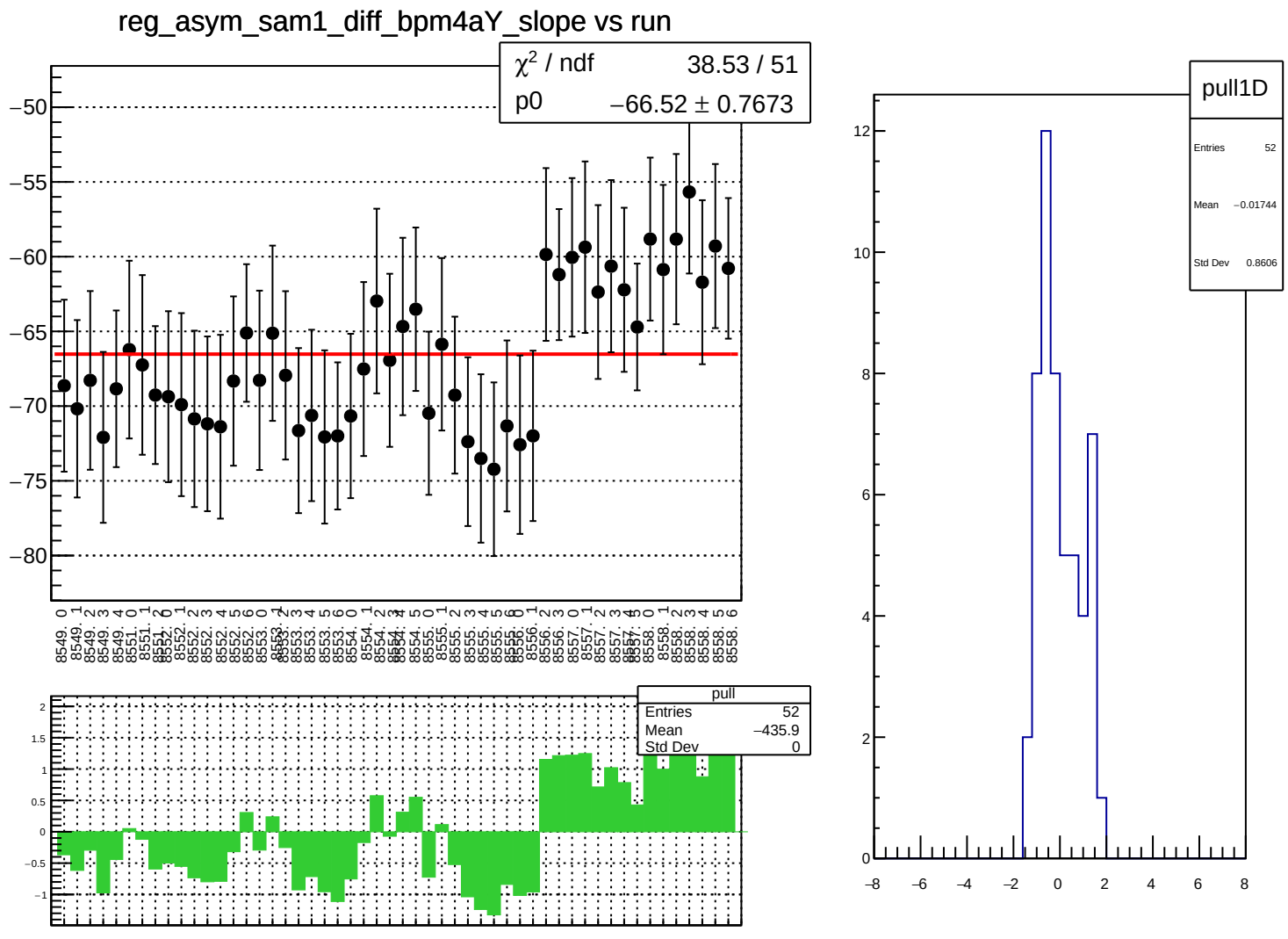

asym_sam_12345678_avg_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 61.93 / 51
p0 −5.711e−14 ± 7.703e−14
pull
Entries 52
Mean 34.52
Std Dev 17.19

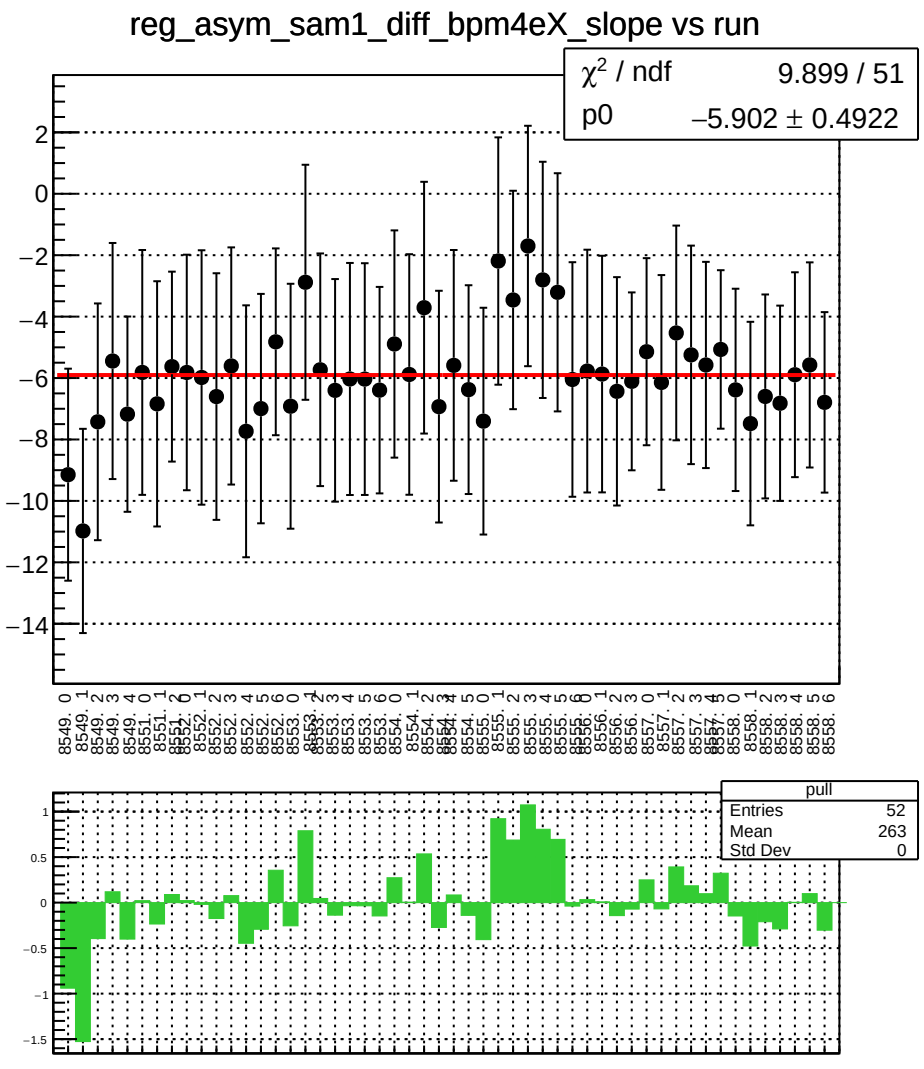

pull1D
Entries 52
Mean 0.2346
Std Dev 1.066

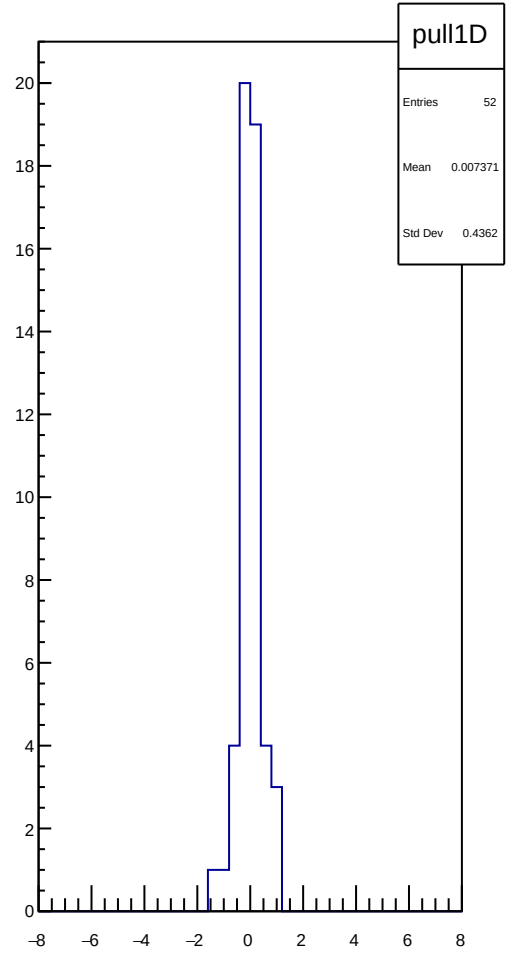

asym_sam_12345678_avg_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 4.339e+05 / 51
p0 4.194e−11 ± 5.447e−14
0.3
0.25
0.2
0.15
0.1
0.05
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 2
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 5
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6

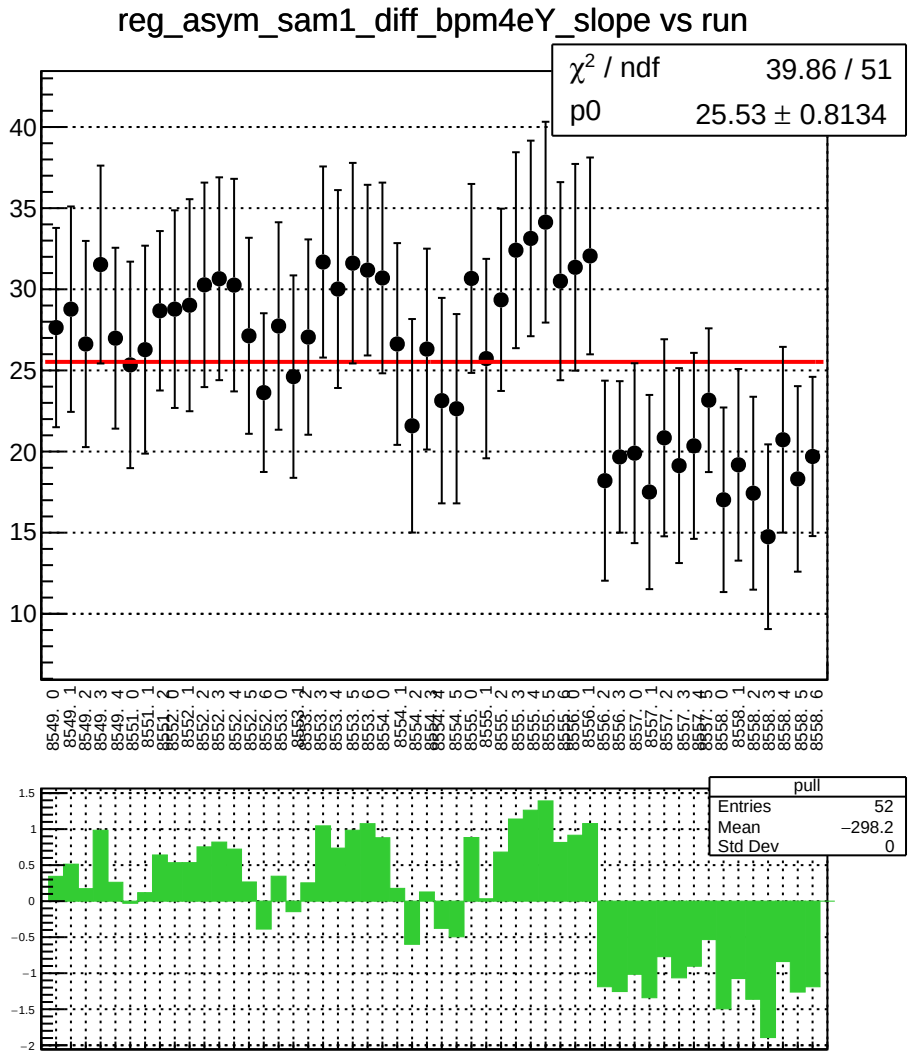

reg_asym_sam1_diff_bpm1X_slope vs run
χ² / ndf 8.685 / 51
p0 −5.577 ± 0.4506
pull
Entries 52
Mean 15.16
Std Dev 0

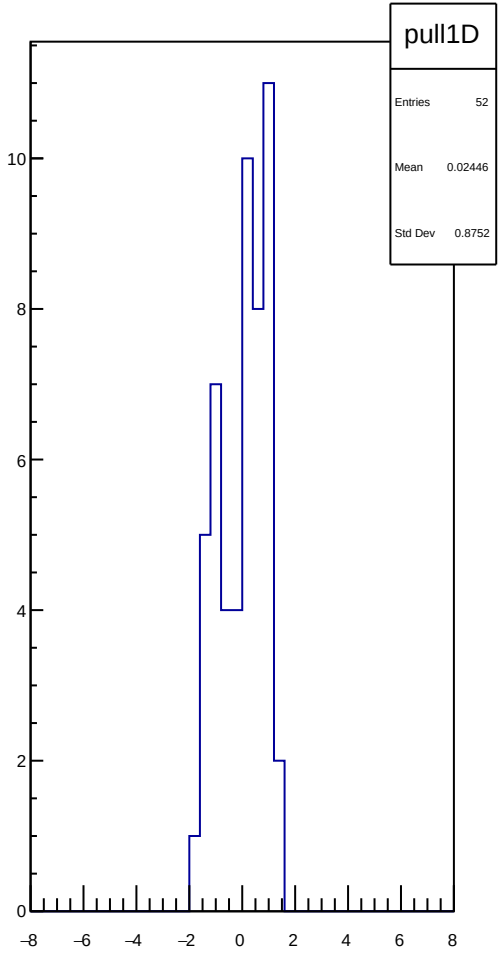

pull1D
Entries 52
Mean −0.01798
Std Dev 0.4083

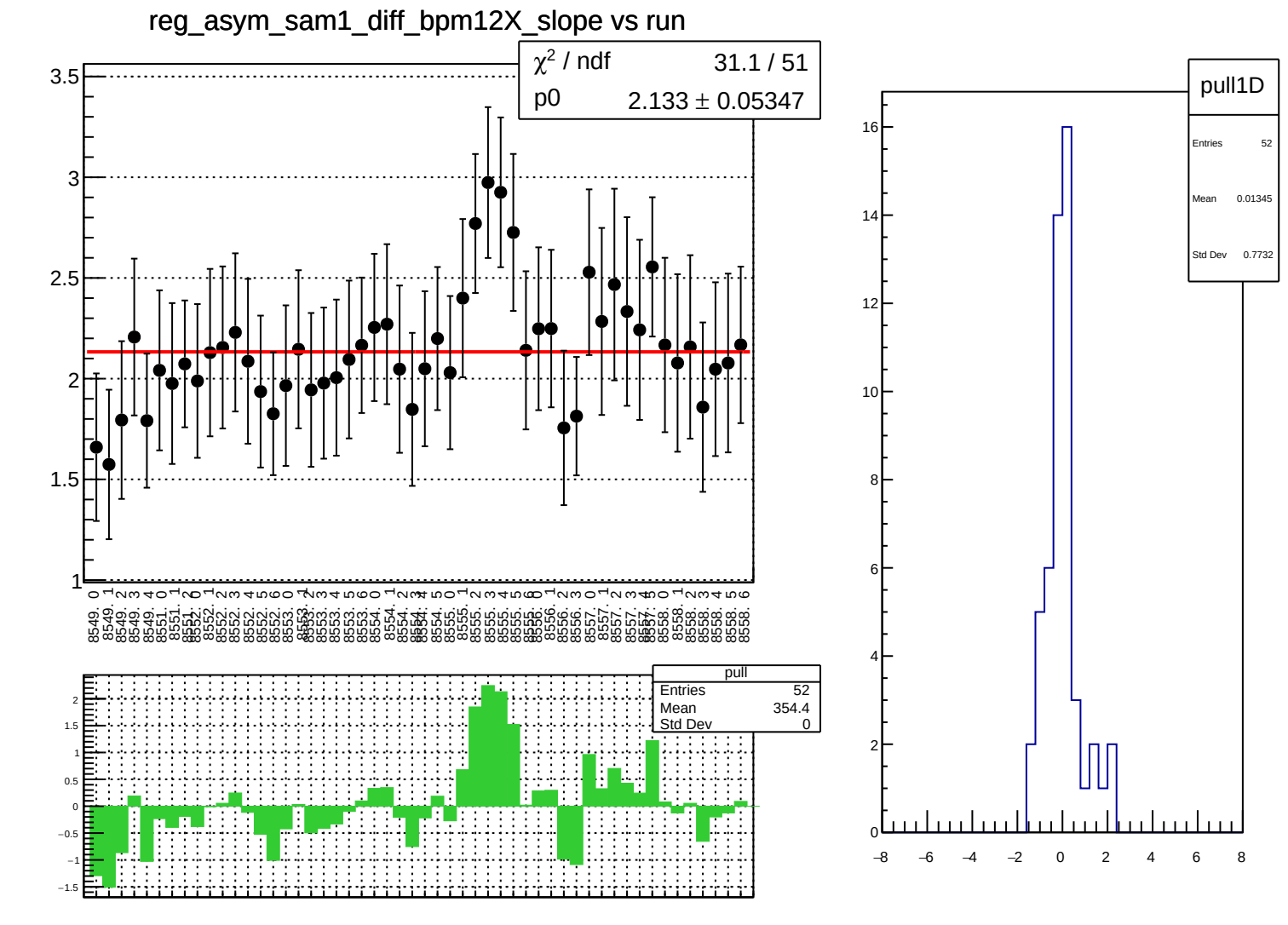

reg_asym_sam1_diff_bpm4aY_slope vs run
χ² / ndf 38.53 / 51
p0 −66.52 ± 0.7673
pull
Entries 52
Mean −435.9
Std Dev 0
pull1D
Entries 52
Mean −0.01744
Std Dev 0.8606

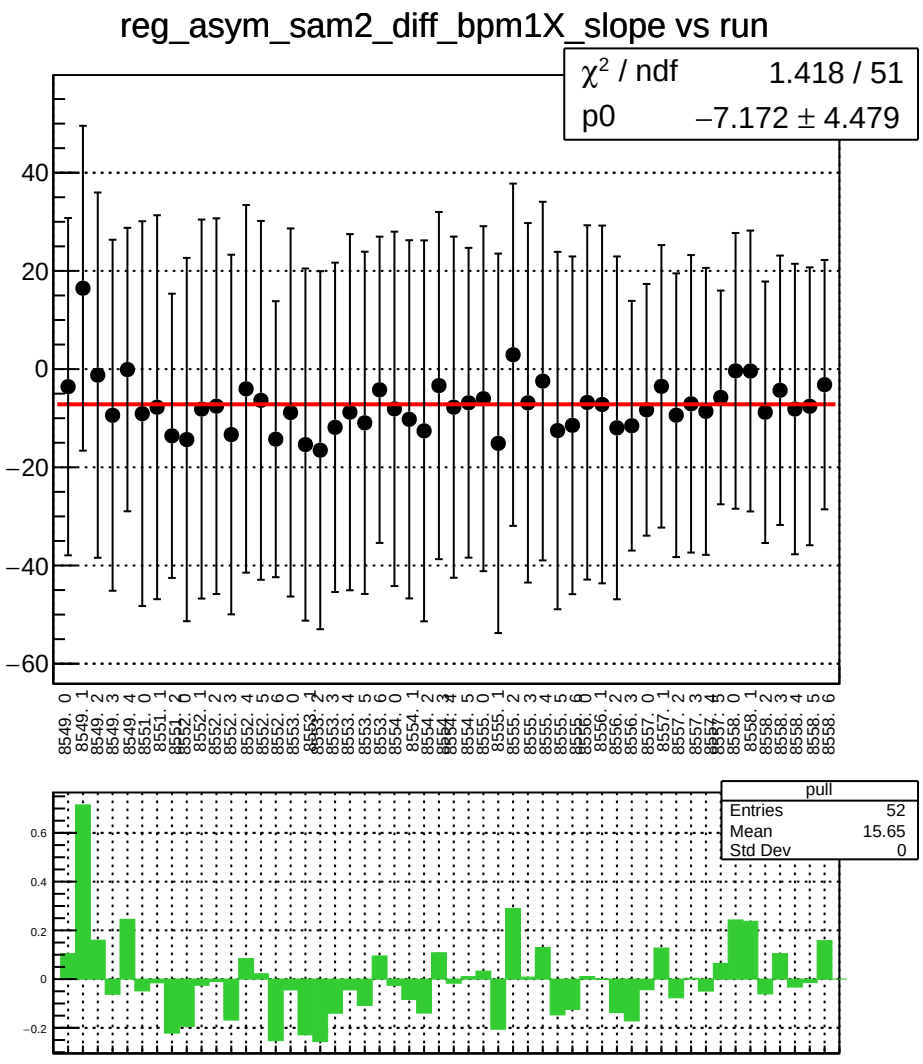

reg_asym_sam1_diff_bpm4eX_slope vs run
χ² / ndf 9.899 / 51
p0 −5.902 ± 0.4922
pull
Entries 52
Mean 263
Std Dev 0

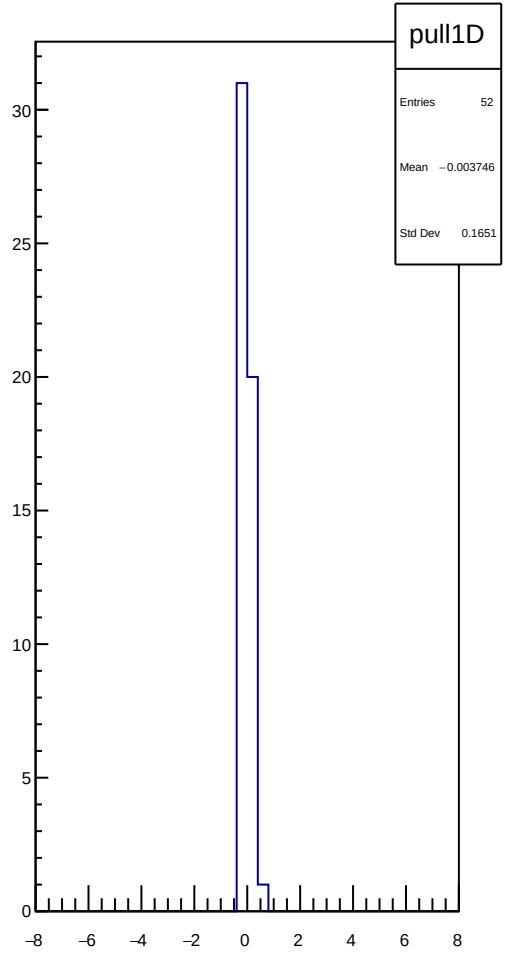

pull1D
Entries 52
Mean 0.007371
Std Dev 0.4362

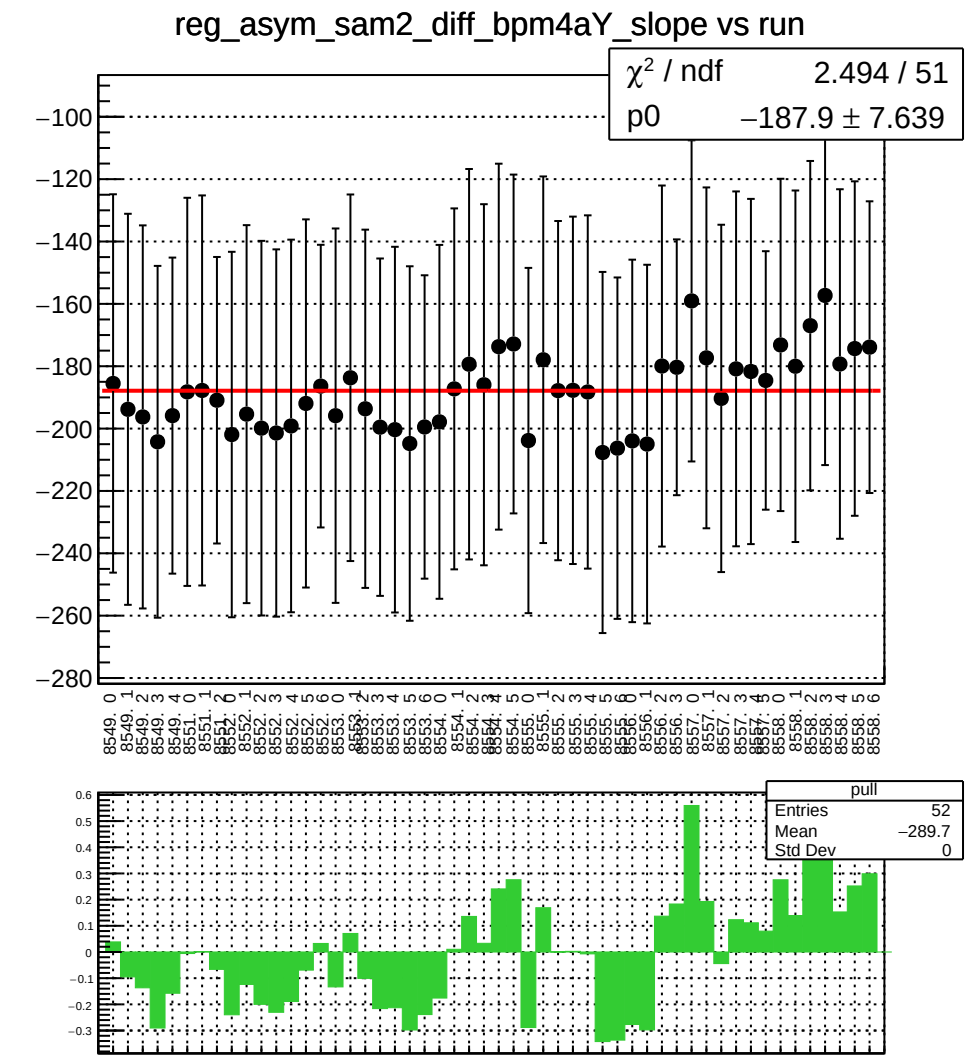

reg_asym_sam1_diff_bpm4eY_slope vs run
χ² / ndf 39.86 / 51
p0 25.53 ± 0.8134
pull
Entries 52
Mean −298.2
Std Dev 0

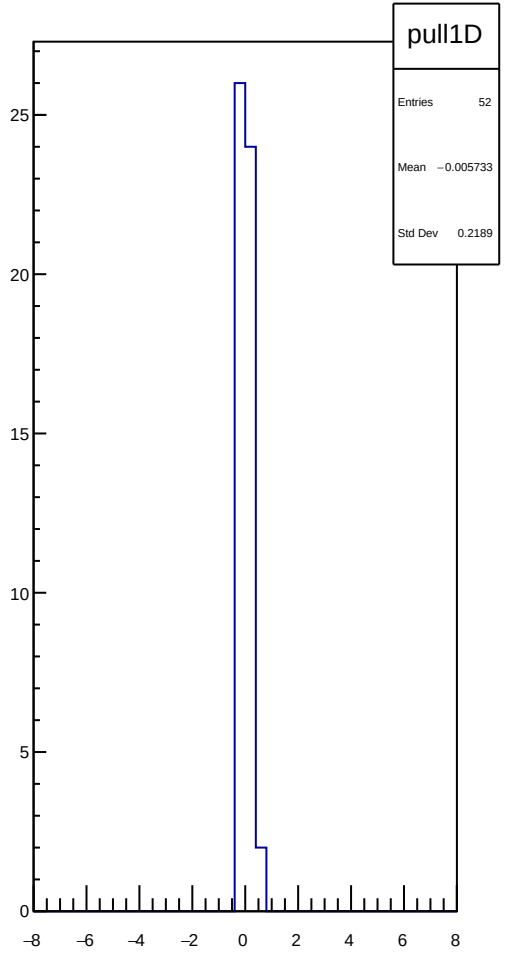

pull1D
Entries 52
Mean 0.02446
Std Dev 0.8752

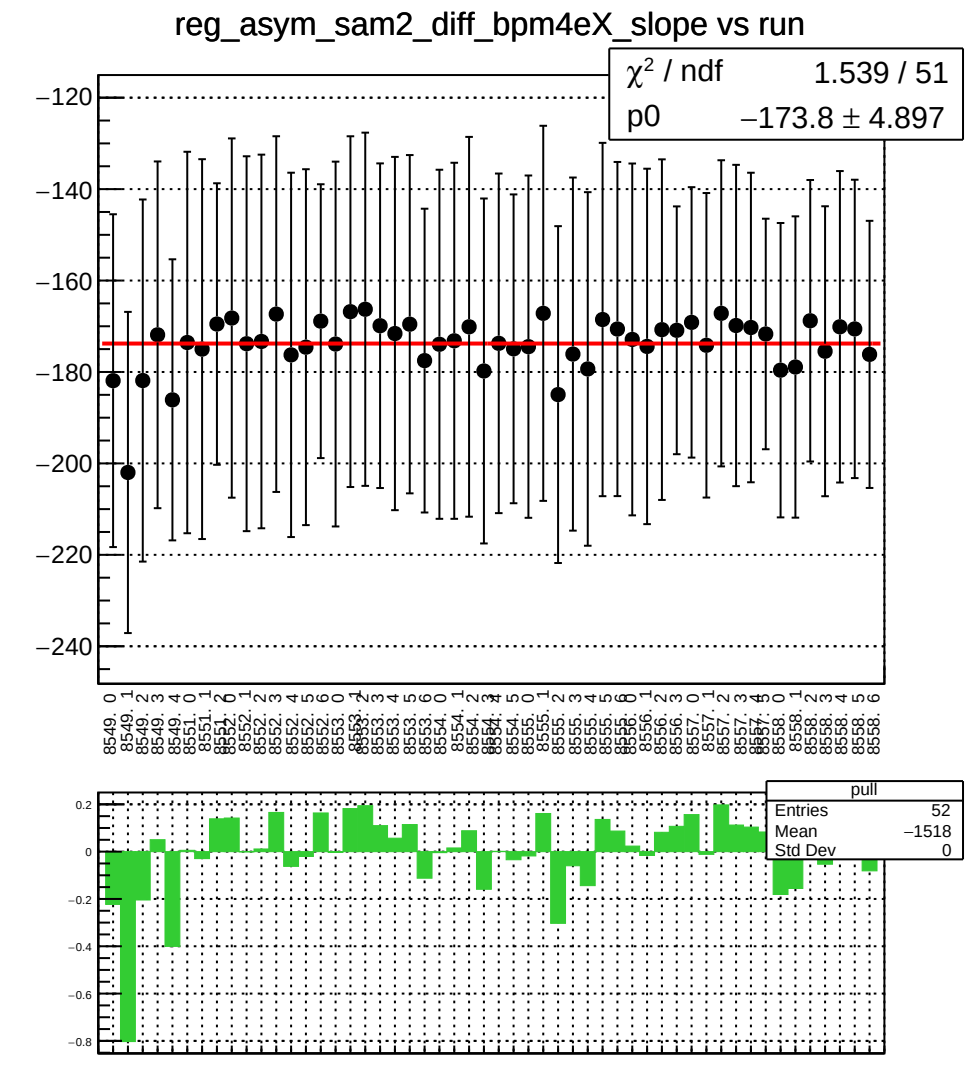

reg_asym_sam1_diff_bpm12X_slope vs run
χ² / ndf 31.1 / 51
p0 2.133 ± 0.05347
pull
Entries 52
Mean 354.4
Std Dev 0
pull1D
Entries 52
Mean 0.01345
Std Dev 0.7732

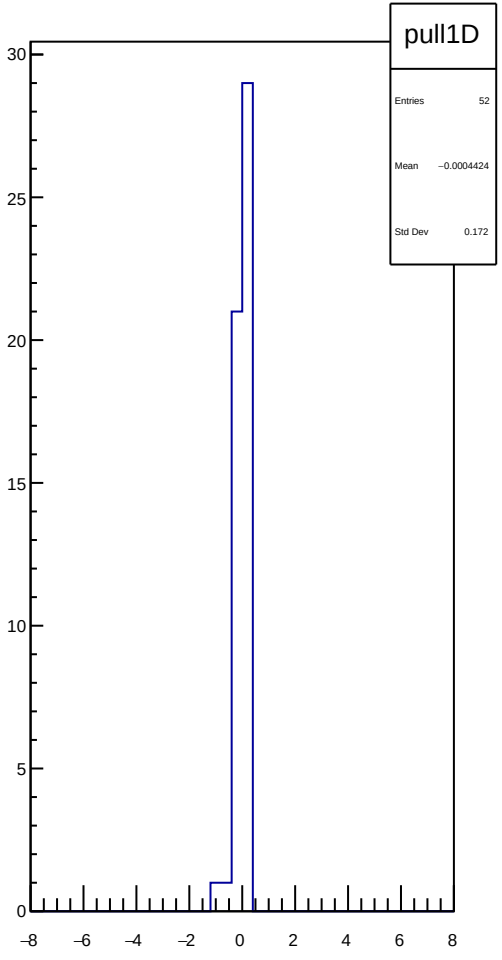

reg_asym_sam2_diff_bpm1X_slope vs run
χ² / ndf 1.418 / 51
p0 −7.172 ± 4.479
pull
Entries 52
Mean 15.65
Std Dev 0

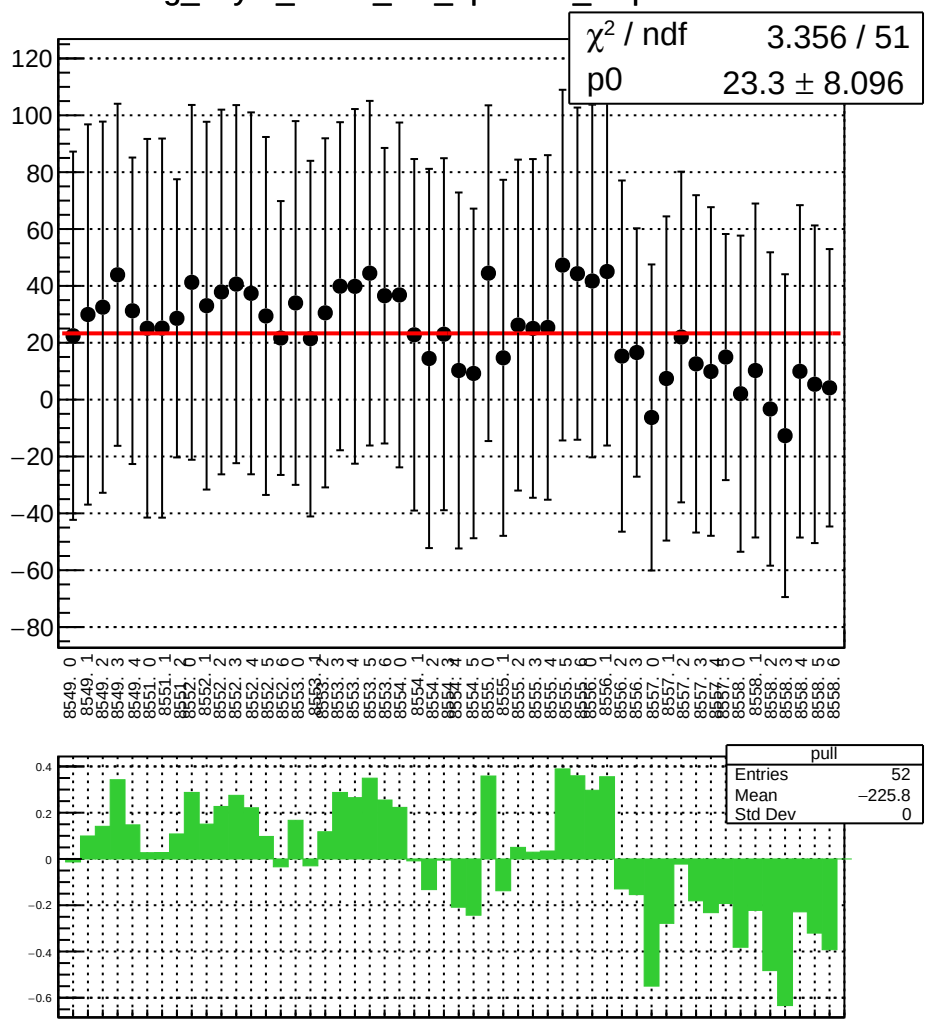

pull1D
Entries 52
Mean −0.003746
Std Dev 0.1651

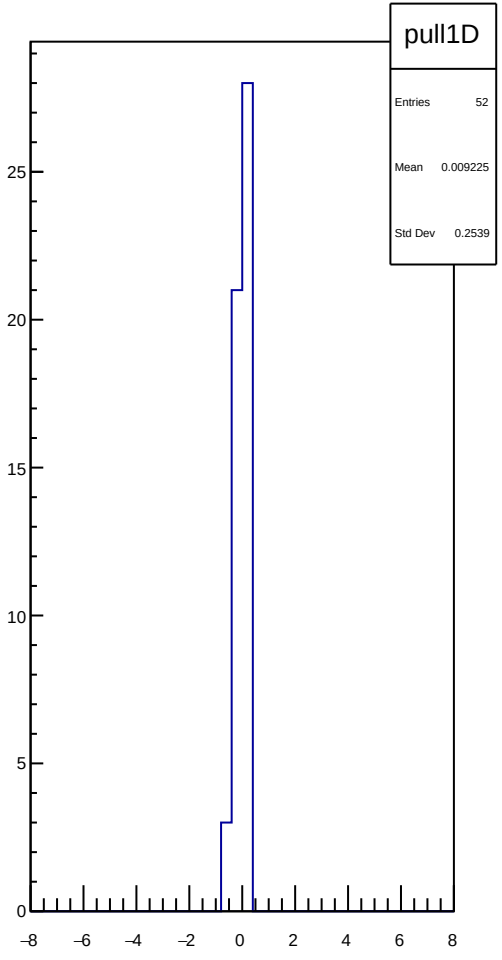

reg_asym_sam2_diff_bpm4aY_slope vs run
χ² / ndf 2.494 / 51
p0 −187.9 ± 7.639
pull
Entries 52
Mean −289.7
Std Dev 0

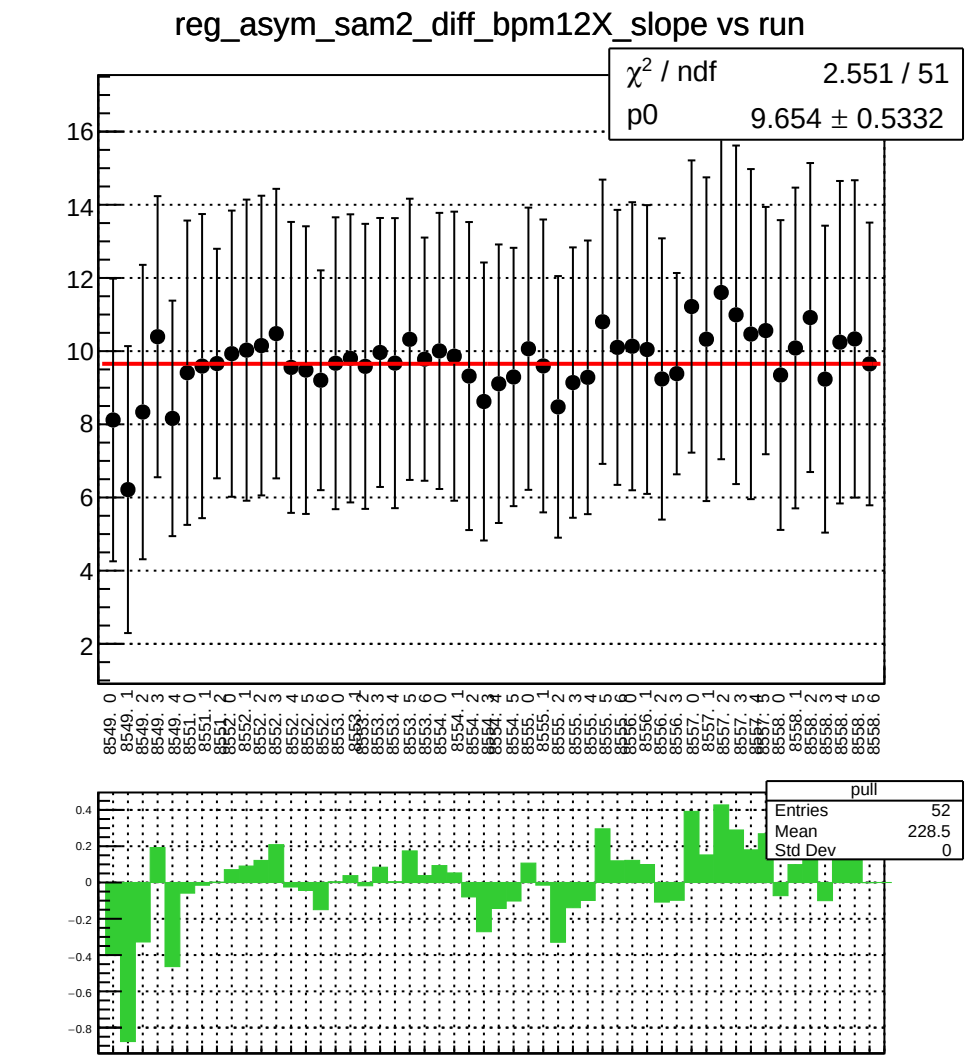

pull1D
Entries 52
Mean −0.005733
Std Dev 0.2189

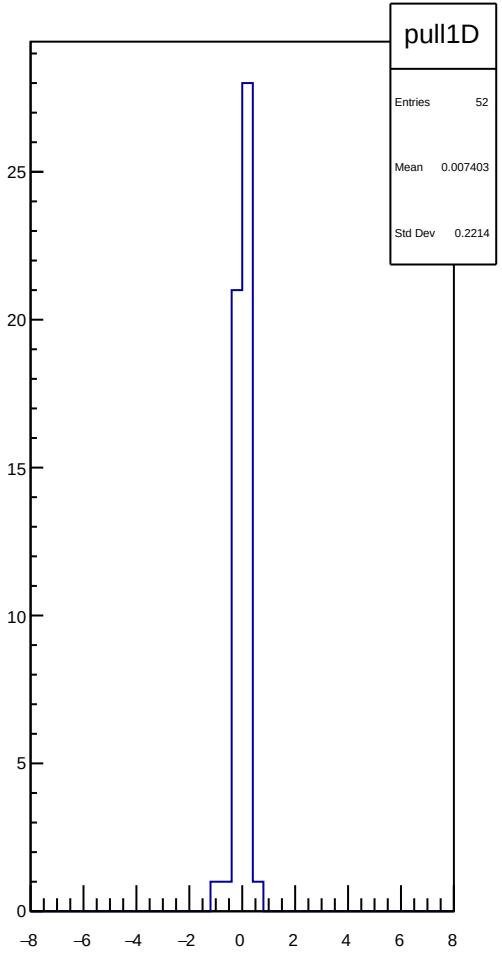

reg_asym_sam2_diff_bpm4eX_slope vs run
χ² / ndf 1.539 / 51
p0 −173.8 ± 4.897
pull
Entries 52
Mean −1518
Std Dev 0

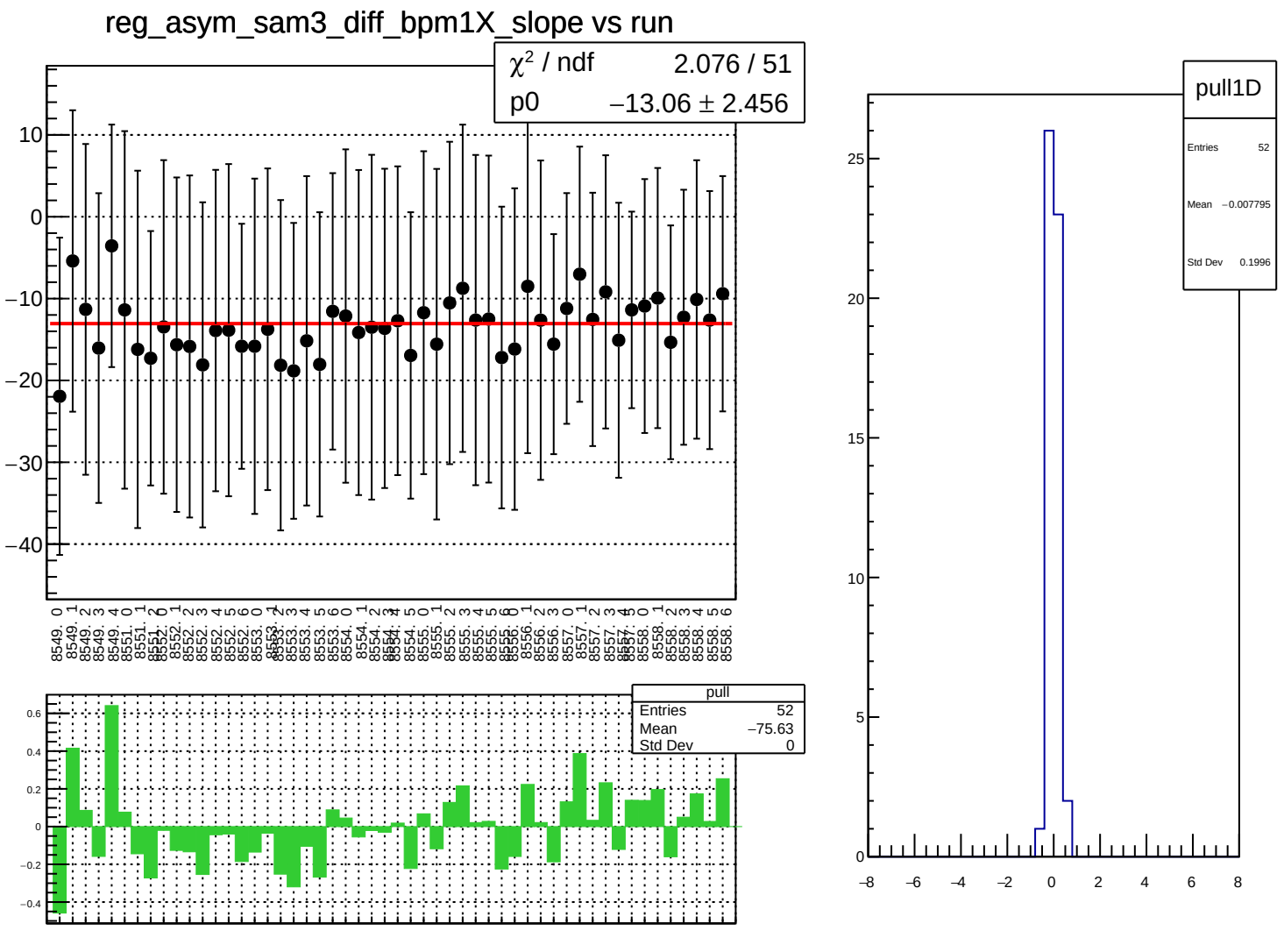

pull1D
Entries 52
Mean −0.0004424
Std Dev 0.172

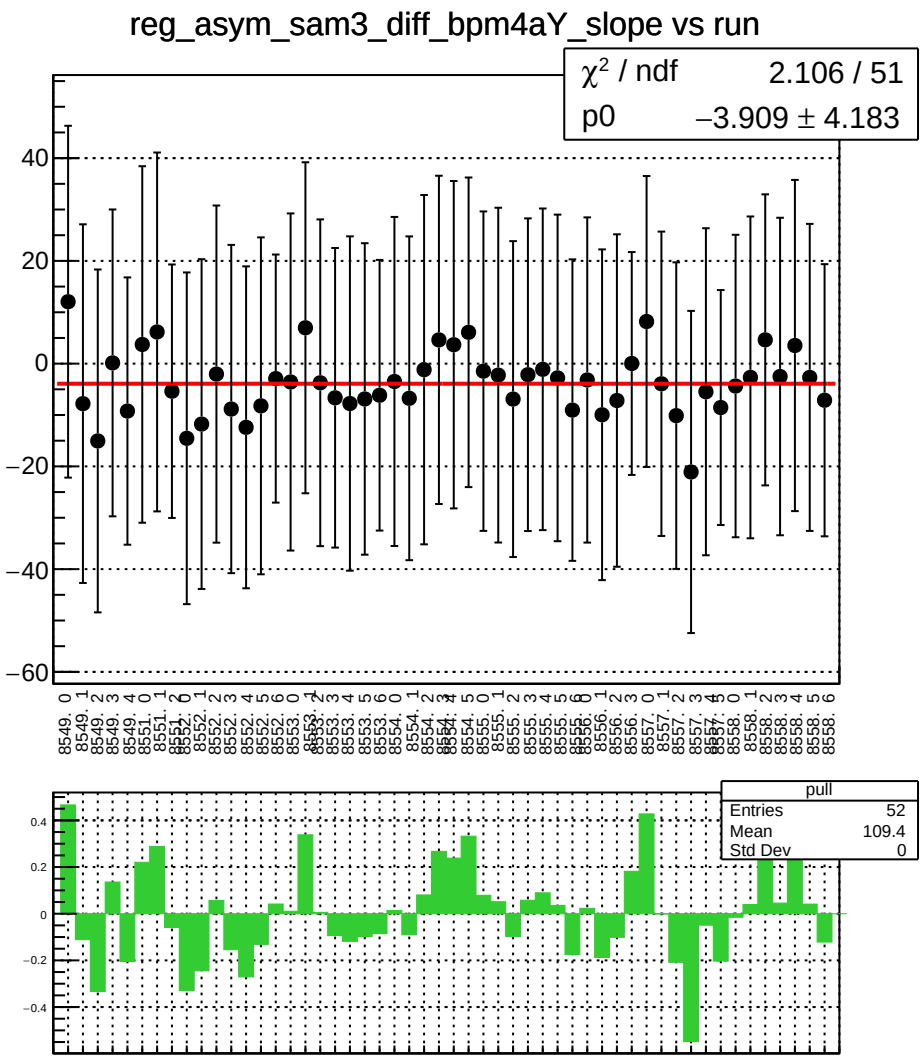

reg_asym_sam2_diff_bpm4eY_slope vs run
χ² / ndf 3.356 / 51
p0 23.3 ± 8.096
pull
Entries 52
Mean −225.8
Std Dev 0

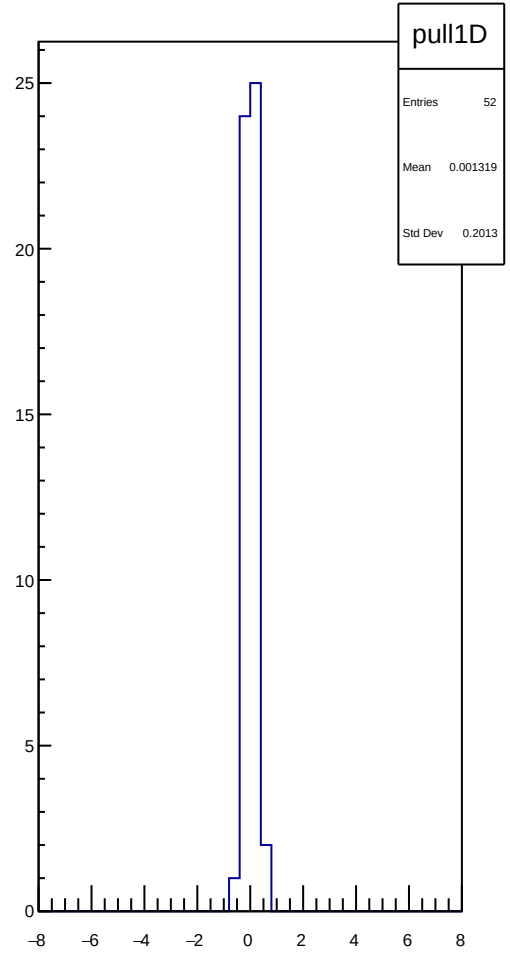

pull1D
Entries 52
Mean 0.009225
Std Dev 0.2539

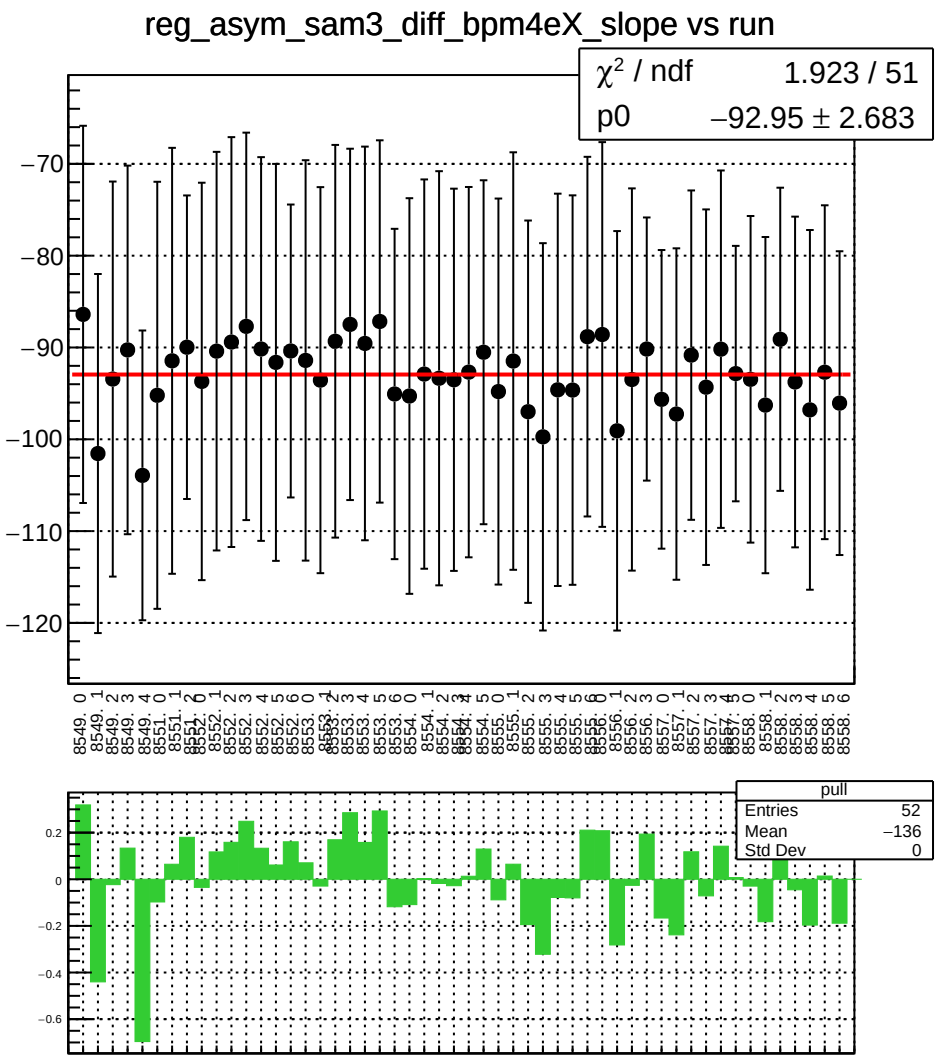

reg_asym_sam2_diff_bpm12X_slope vs run
χ² / ndf 2.551 / 51
p0 9.654 ± 0.5332
pull
Entries 52
Mean 228.5
Std Dev 0

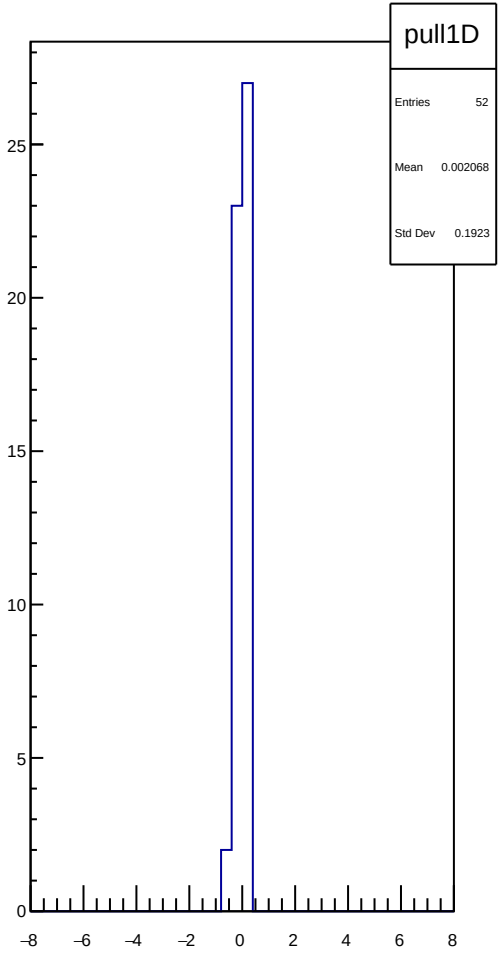

pull1D
Entries 52
Mean 0.007403
Std Dev 0.2214

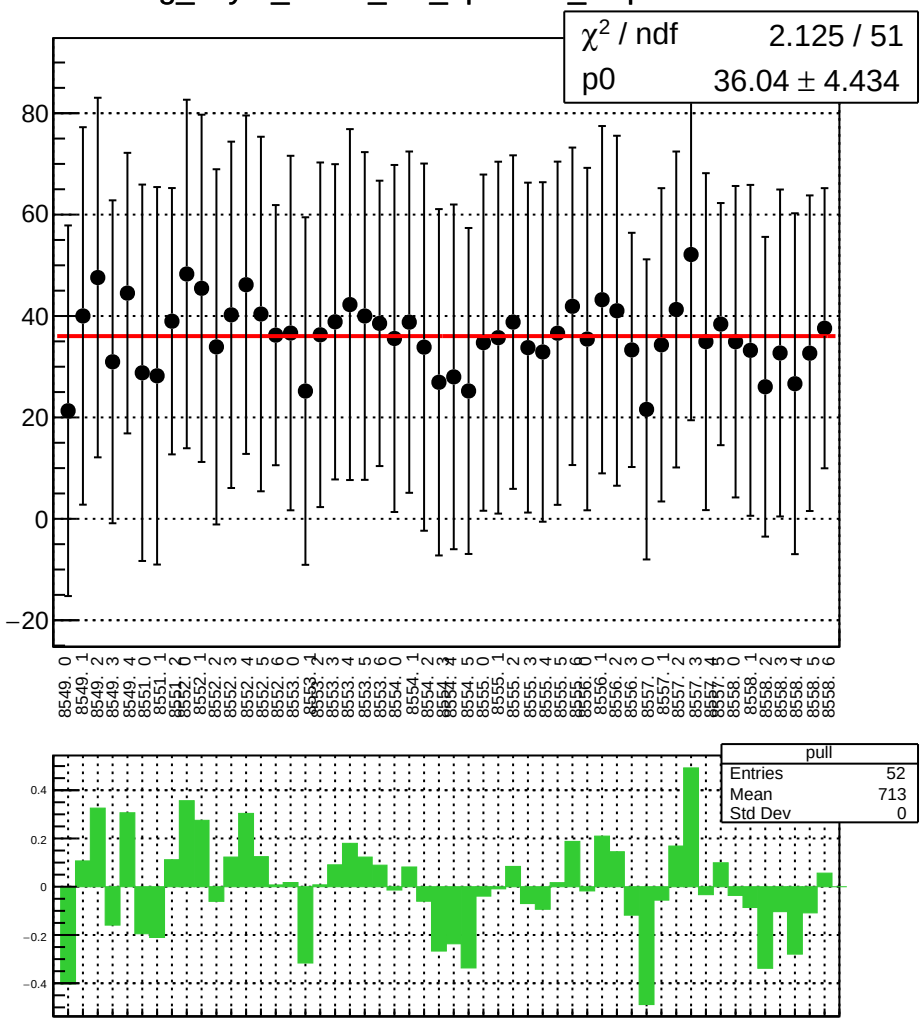

reg_asym_sam3_diff_bpm1X_slope vs run
χ² / ndf 2.076 / 51
p0 −13.06 ± 2.456
pull
Entries 52
Mean −75.63
Std Dev 0
pull1D
Entries 52
Mean −0.007795
Std Dev 0.1996

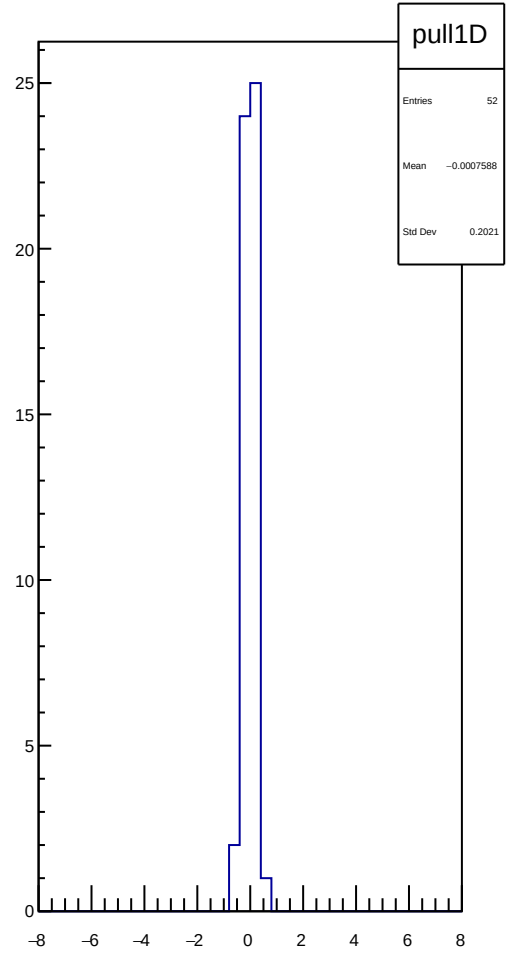

reg_asym_sam3_diff_bpm4aY_slope vs run
χ² / ndf 2.106 / 51
p0 −3.909 ± 4.183
pull
Entries 52
Mean 109.4
Std Dev 0

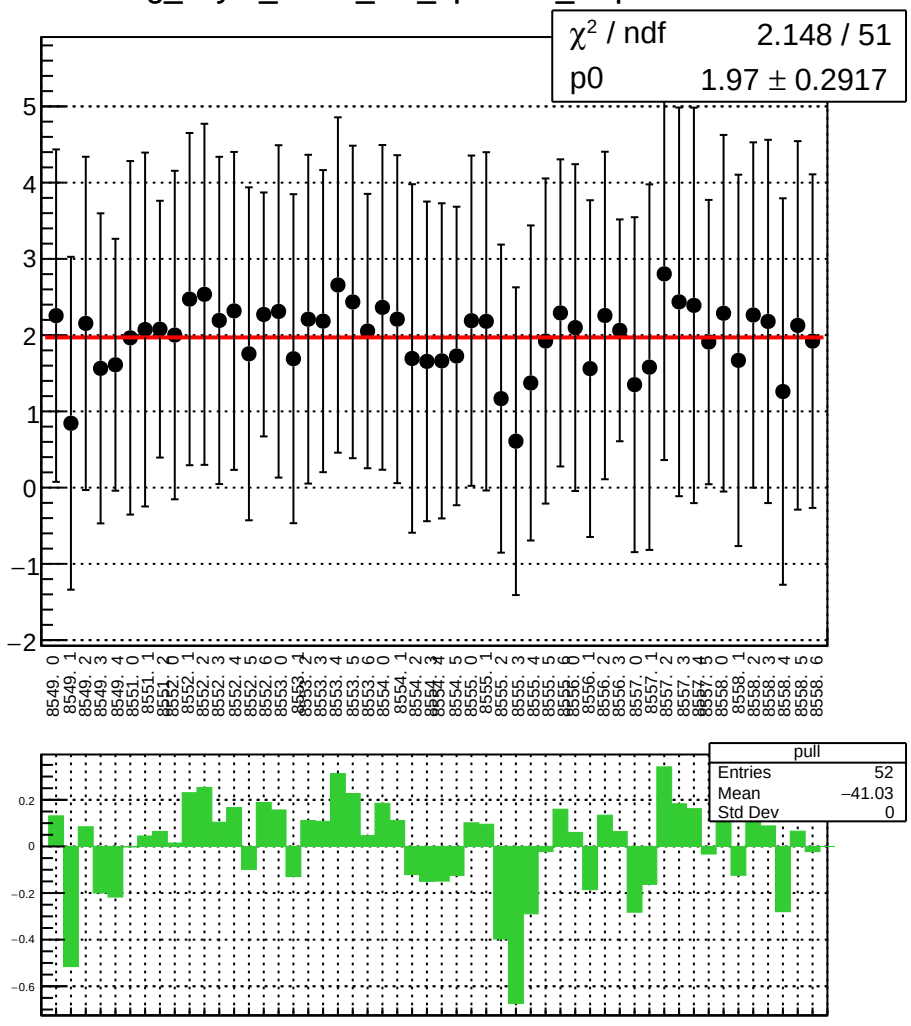

pull1D
Entries 52
Mean 0.001319
Std Dev 0.2013

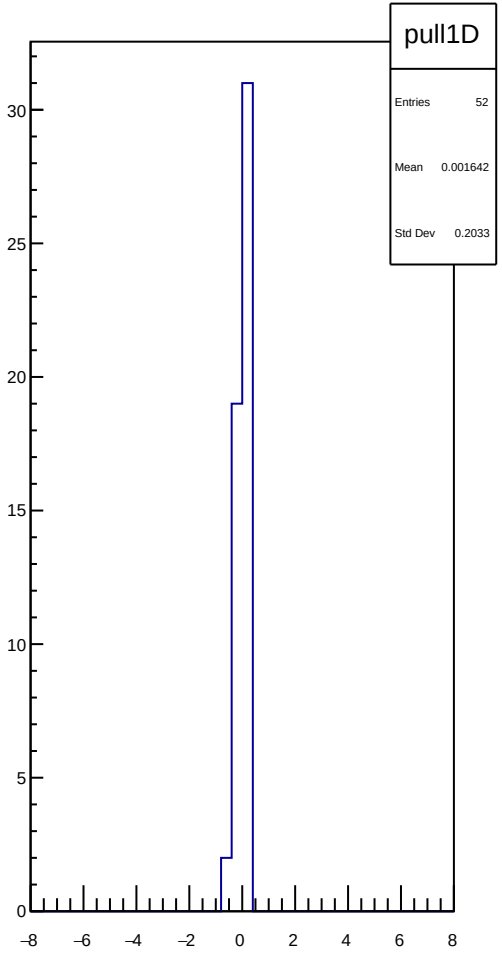

reg_asym_sam3_diff_bpm4eX_slope vs run
χ² / ndf 1.923 / 51
p0 −92.95 ± 2.683
pull
Entries 52
Mean −136
Std Dev 0

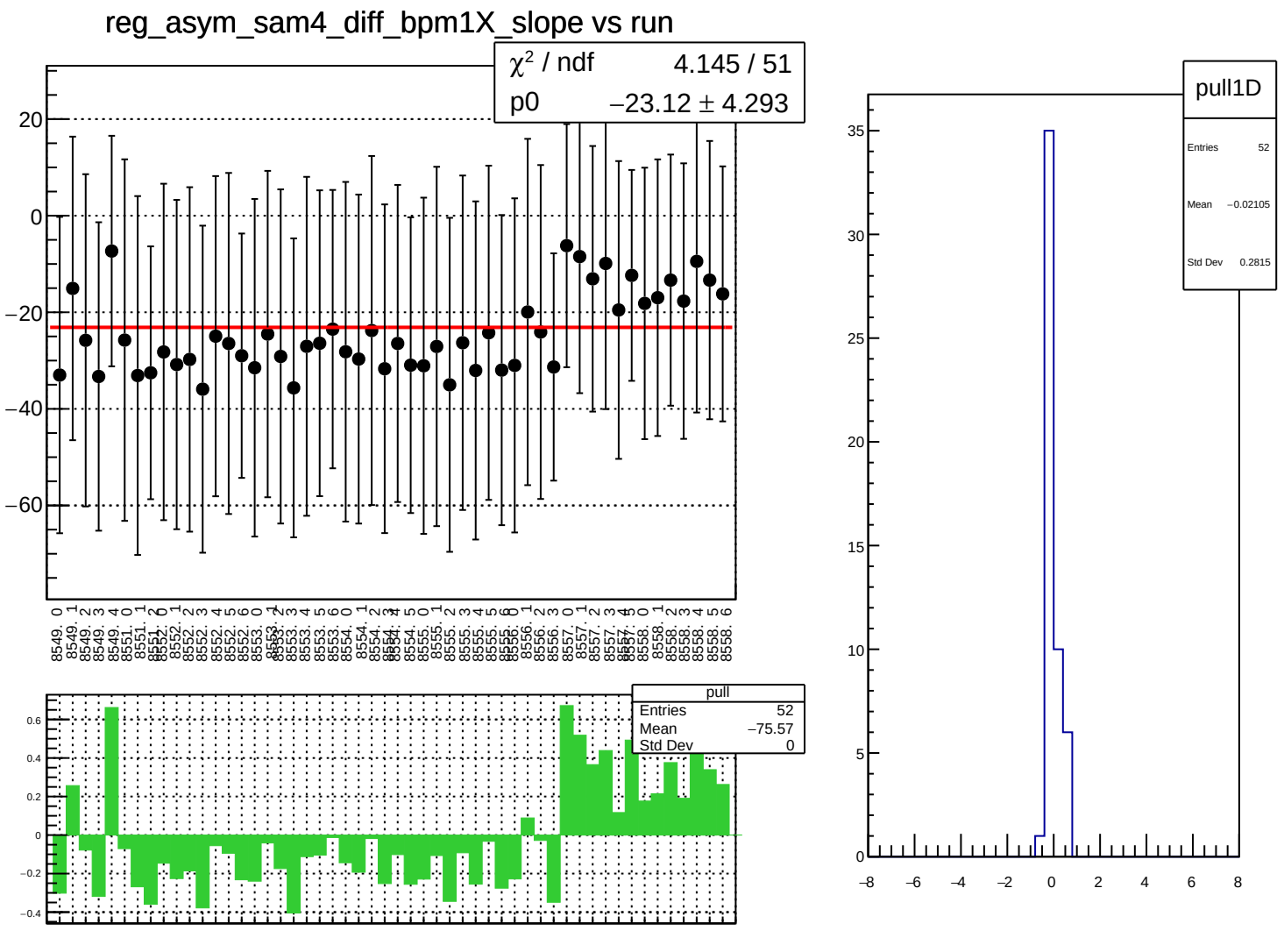

pull1D
Entries 52
Mean 0.002068
Std Dev 0.1923

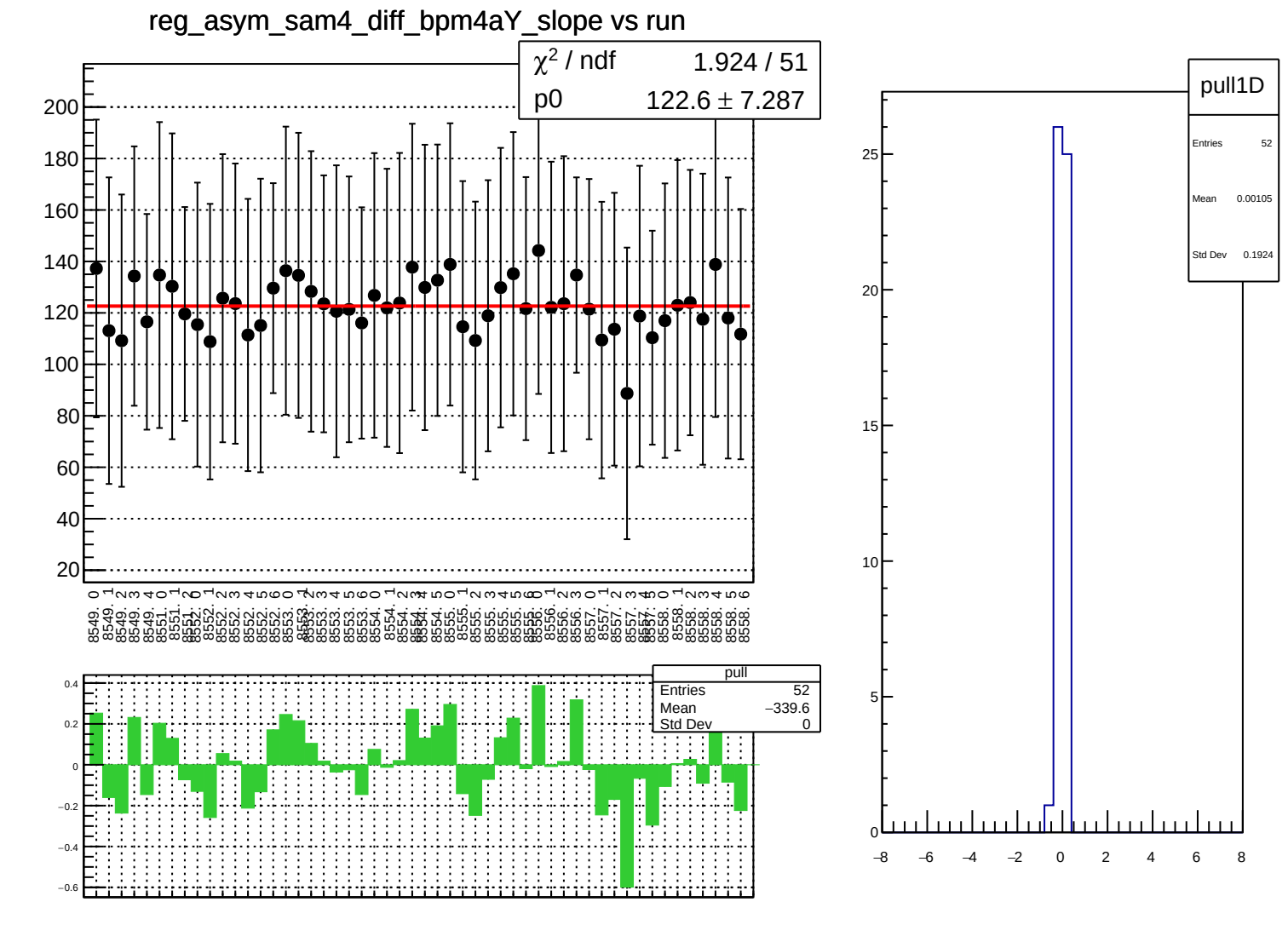

reg_asym_sam3_diff_bpm4eY_slope vs run
χ² / ndf 2.125 / 51
p0 36.04 ± 4.434
pull
Entries 52
Mean 713
Std Dev 0

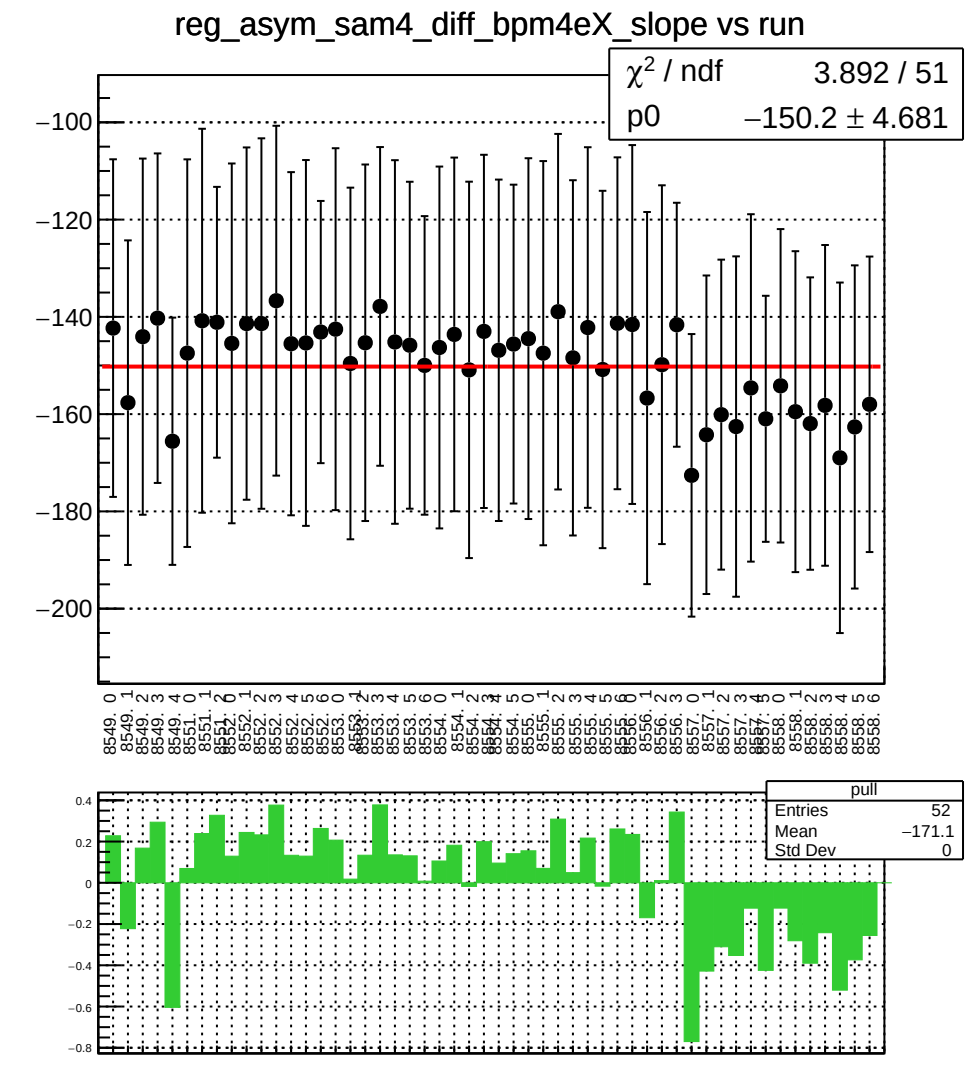

pull1D
Entries 52
Mean −0.0007588
Std Dev 0.2021

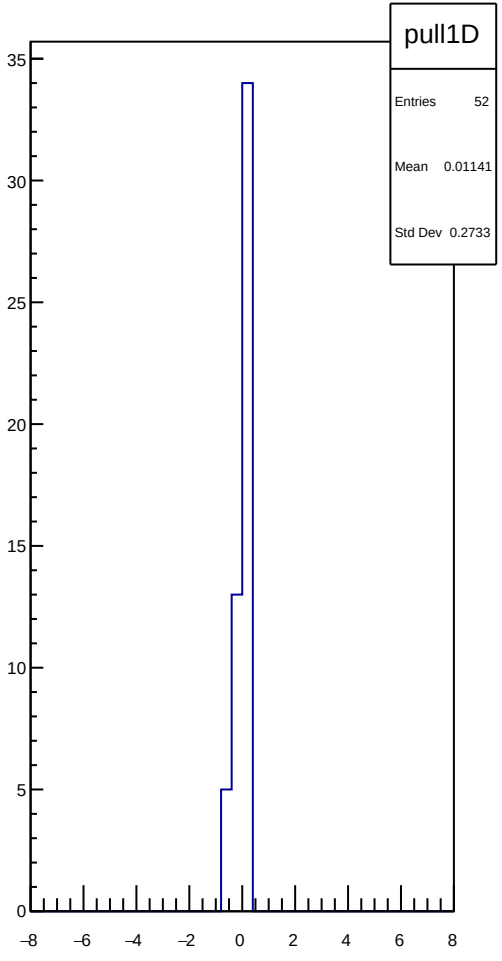

reg_asym_sam3_diff_bpm12X_slope vs run
χ² / ndf 2.148 / 51
p0 1.97 ± 0.2917
pull
Entries 52
Mean −41.03
Std Dev 0

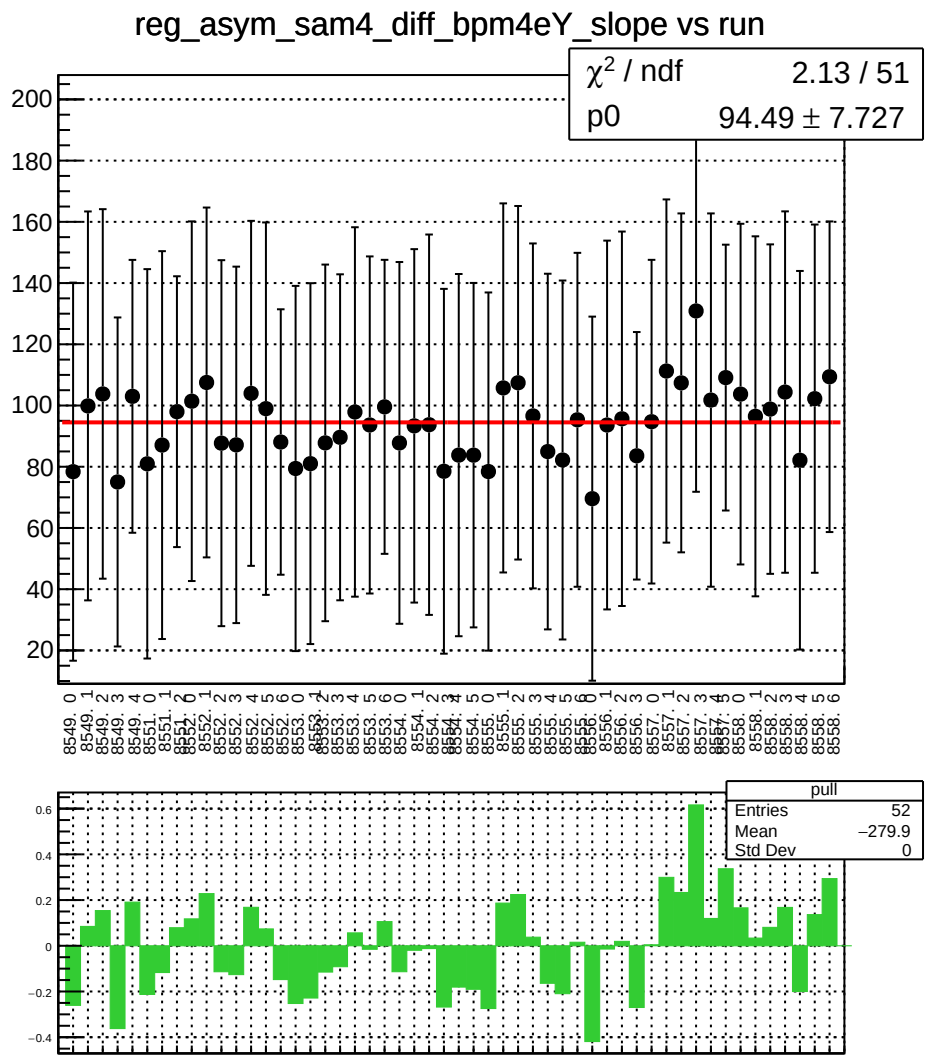

pull1D
Entries 52
Mean 0.001642
Std Dev 0.2033

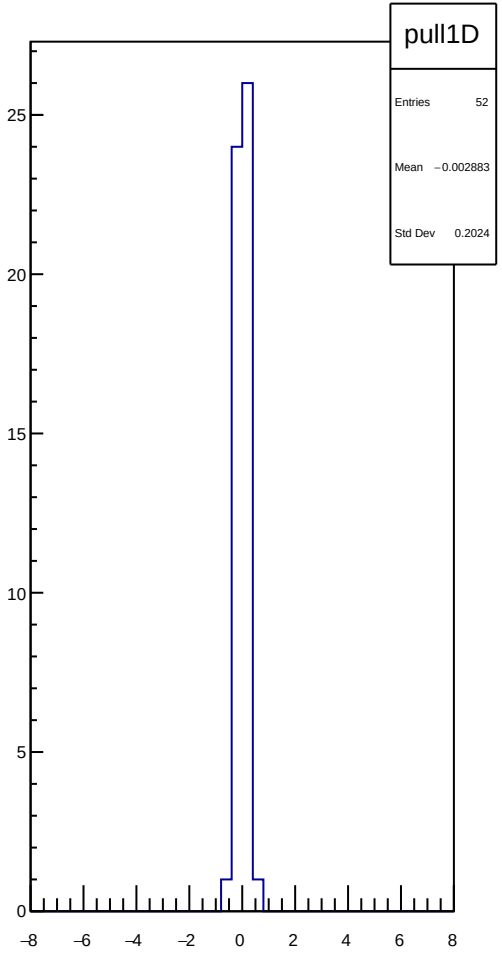

reg_asym_sam4_diff_bpm1X_slope vs run
χ² / ndf 4.145 / 51
p0 −23.12 ± 4.293
pull
Entries 52
Mean −75.57
Std Dev 0
pull1D
Entries 52
Mean −0.02105
Std Dev 0.2815

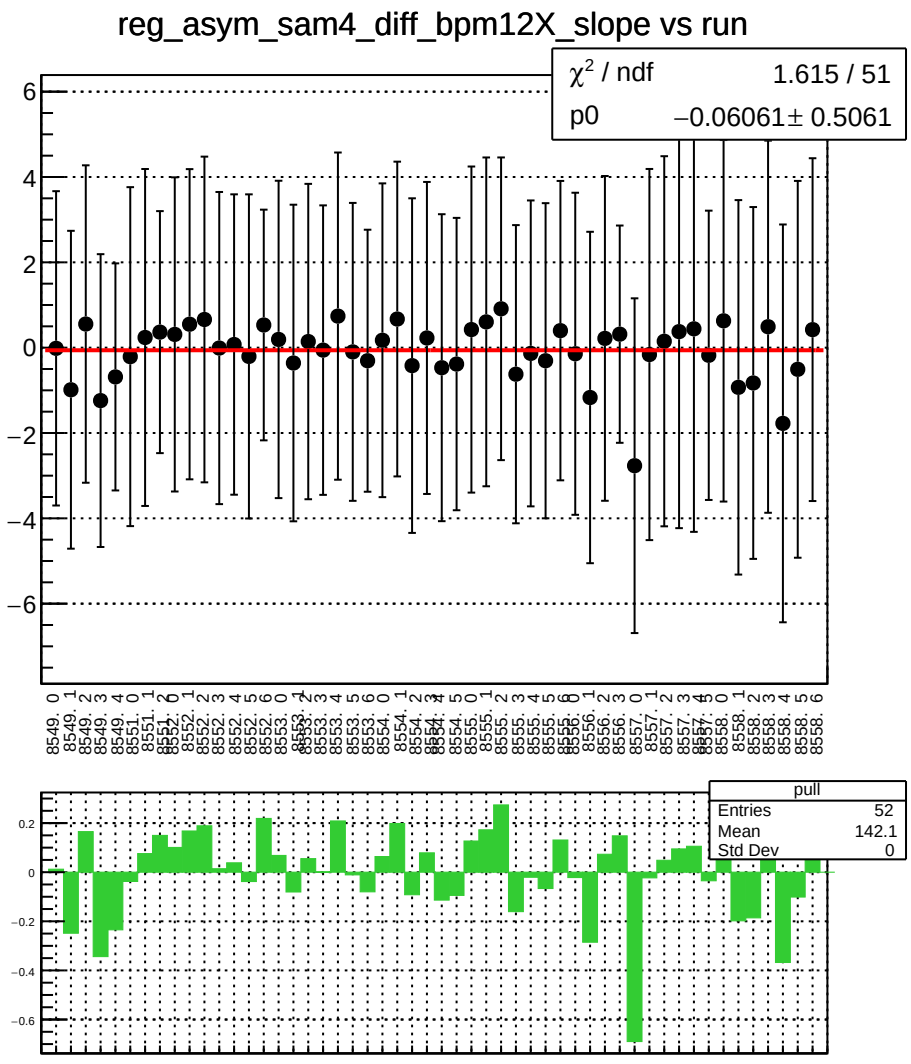

reg_asym_sam4_diff_bpm4aY_slope vs run
χ² / ndf 1.924 / 51
p0 122.6 ± 7.287
pull
Entries 52
Mean −339.6
Std Dev 0
pull1D
Entries 52
Mean 0.00105
Std Dev 0.1924

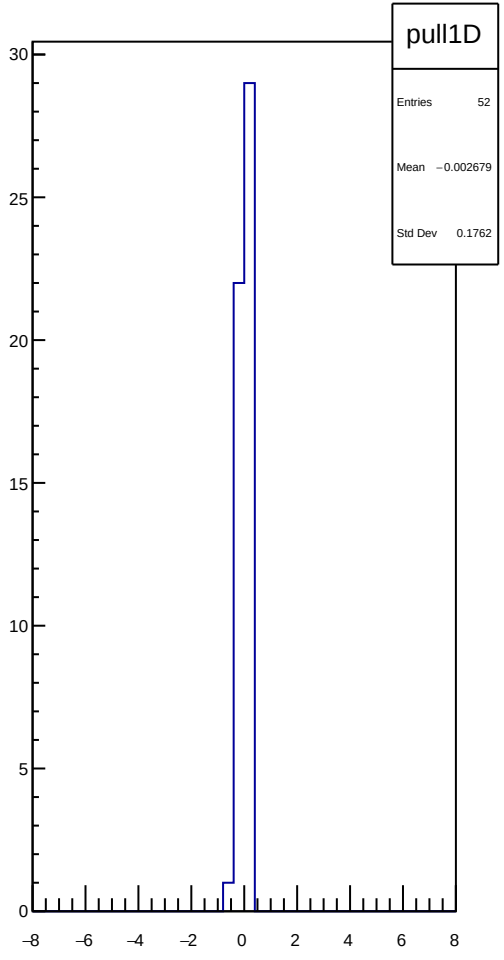

reg_asym_sam4_diff_bpm4eX_slope vs run
χ² / ndf 3.892 / 51
p0 −150.2 ± 4.681
pull
Entries 52
Mean −171.1
Std Dev 0

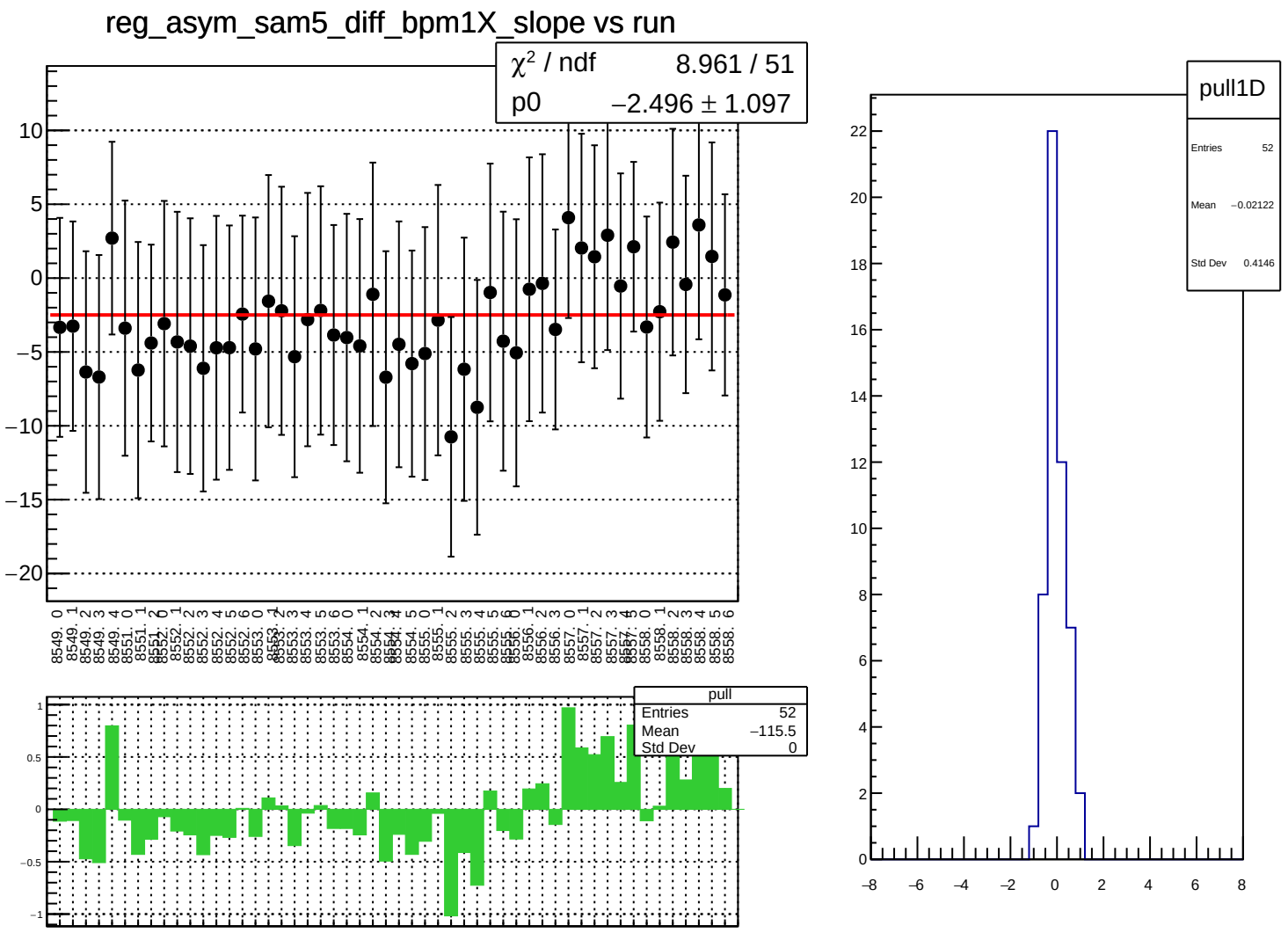

pull1D
Entries 52
Mean 0.01141
Std Dev 0.2733

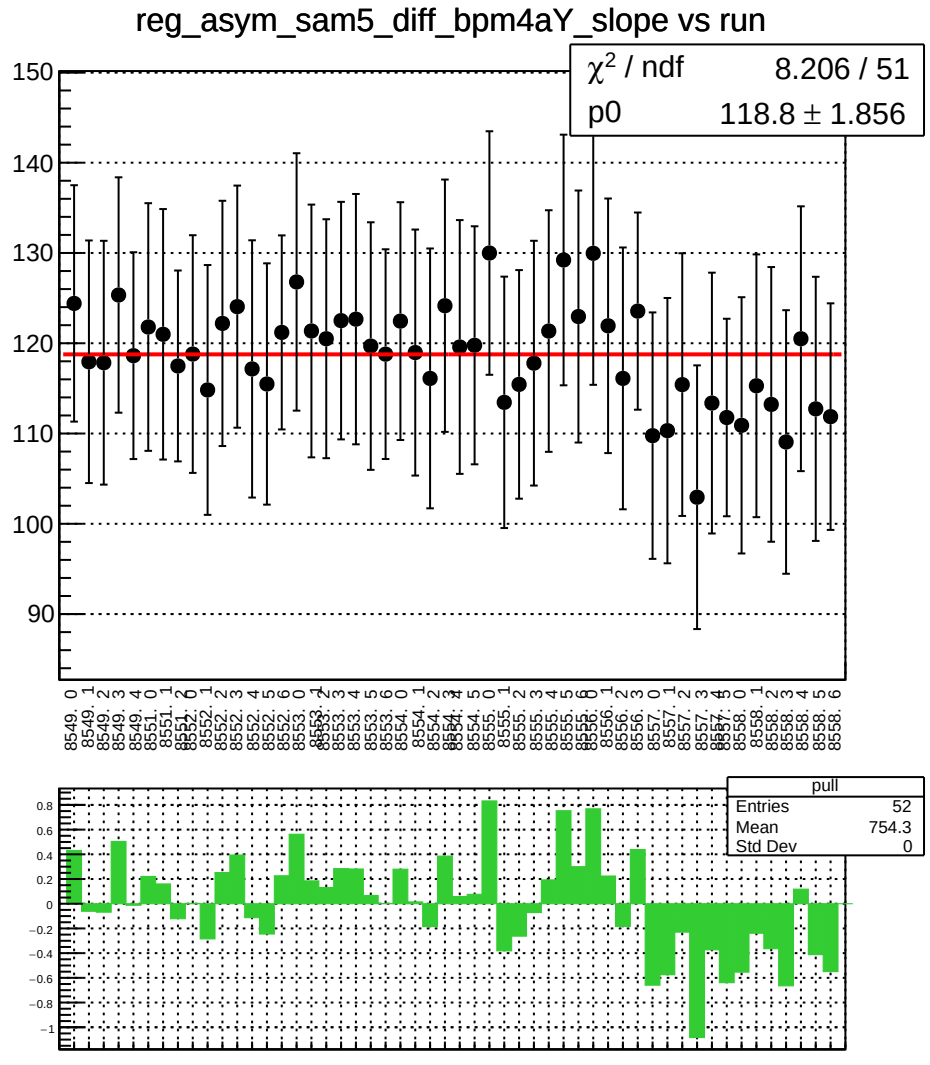

reg_asym_sam4_diff_bpm4eY_slope vs run
χ² / ndf 2.13 / 51
p0 94.49 ± 7.727
pull
Entries 52
Mean −279.9
Std Dev 0

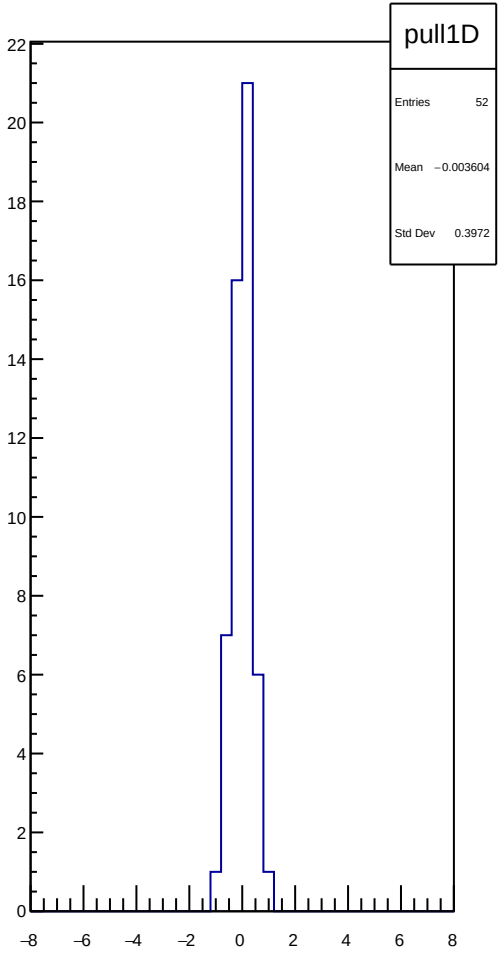

pull1D
Entries 52
Mean −0.002883
Std Dev 0.2024

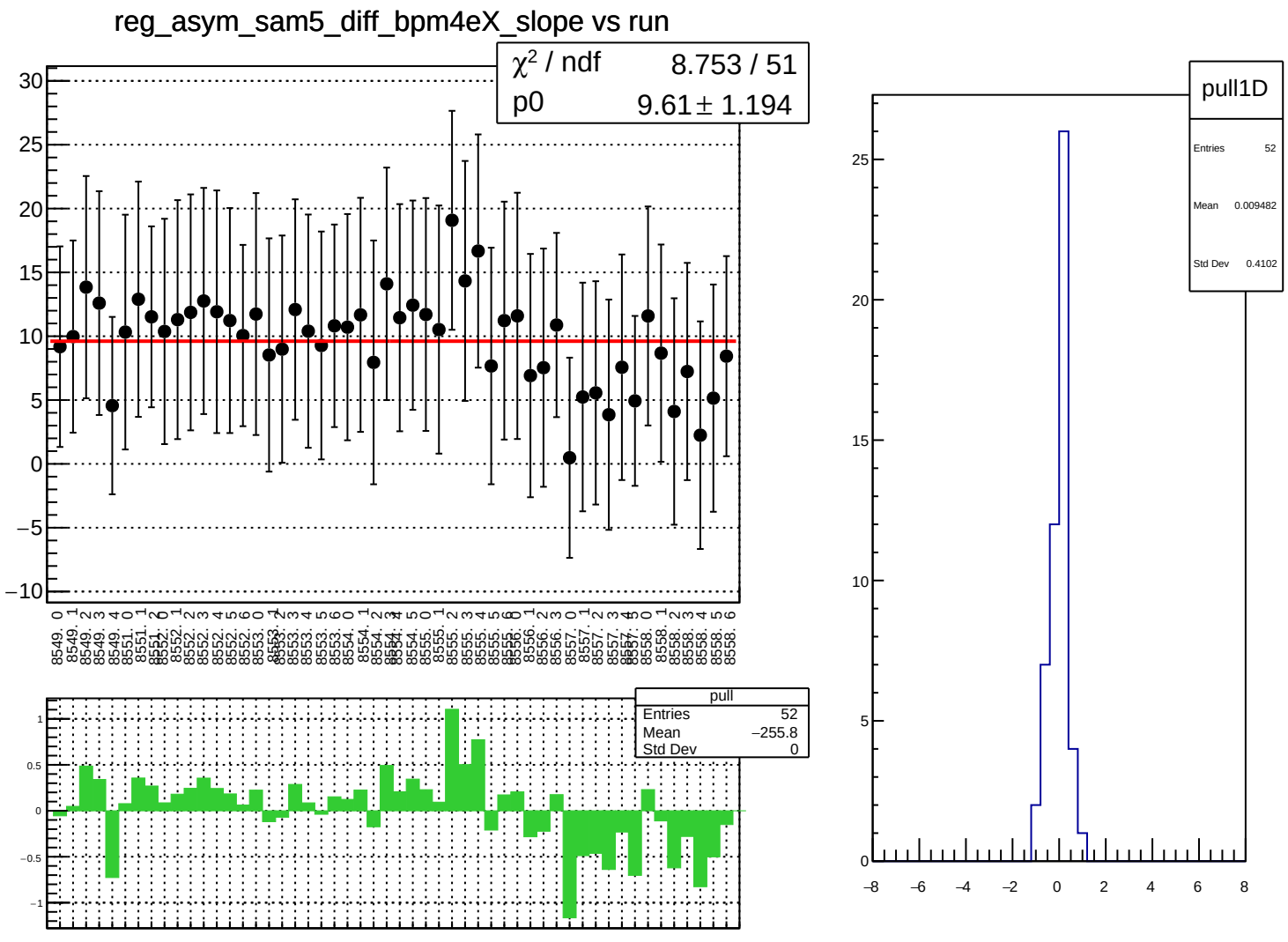

reg_asym_sam4_diff_bpm12X_slope vs run
χ² / ndf 1.615 / 51
p0 −0.06061 ± 0.5061
pull
Entries 52
Mean 142.1
Std Dev 0

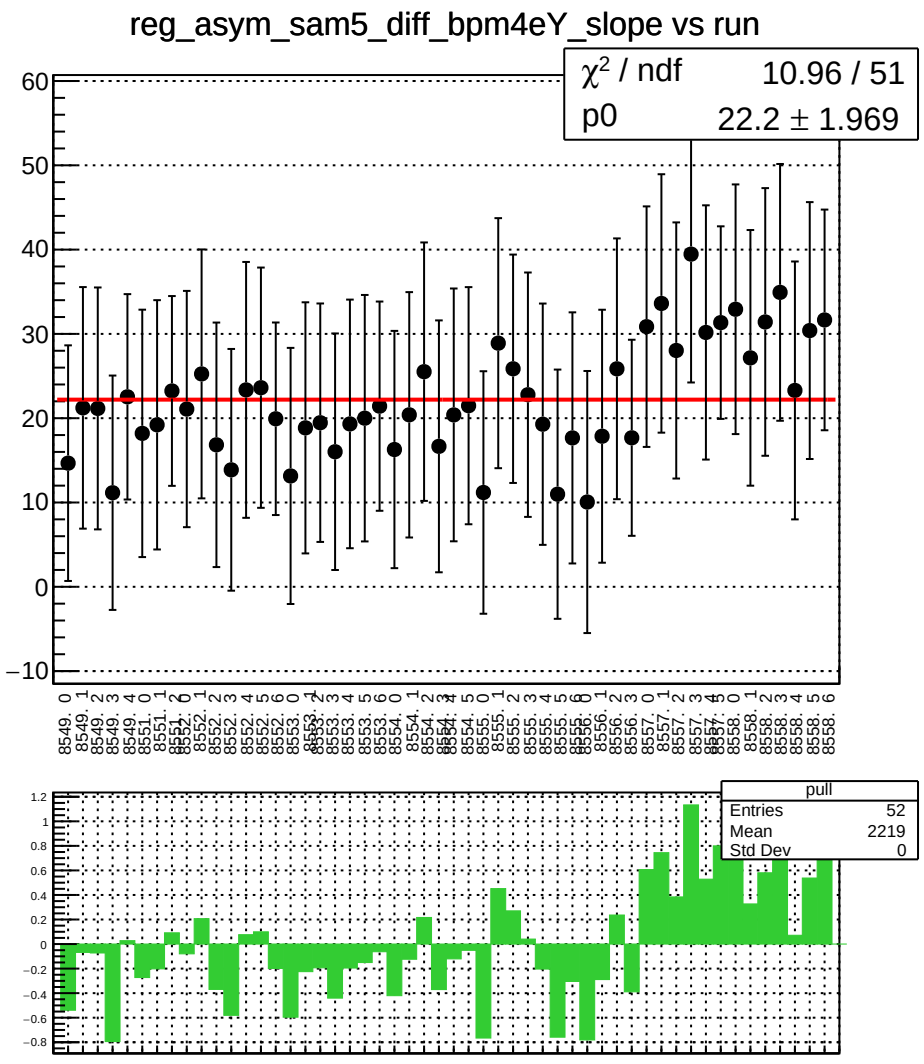

pull1D
Entries 52
Mean −0.002679
Std Dev 0.1762

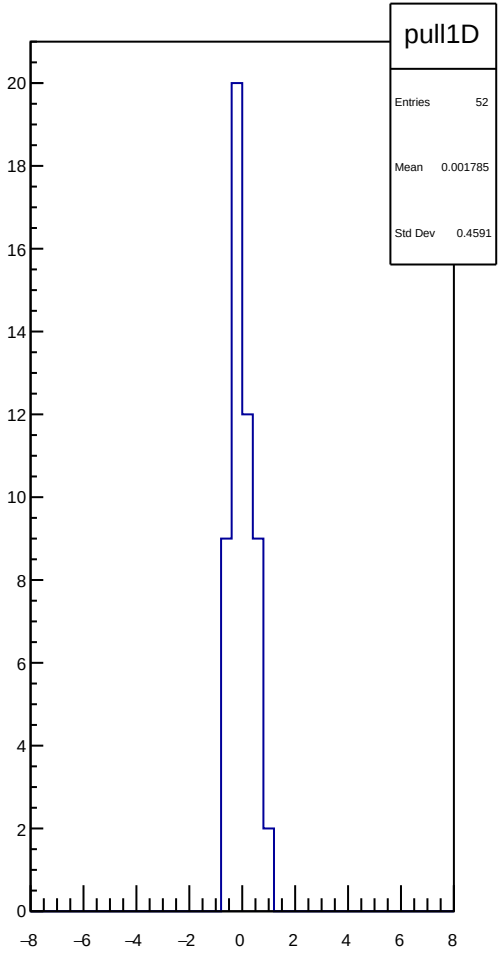

reg_asym_sam5_diff_bpm1X_slope vs run
χ² / ndf 8.961 / 51
p0 −2.496 ± 1.097
pull
Entries 52
Mean −115.5
Std Dev 0
pull1D
Entries 52
Mean −0.02122
Std Dev 0.4146

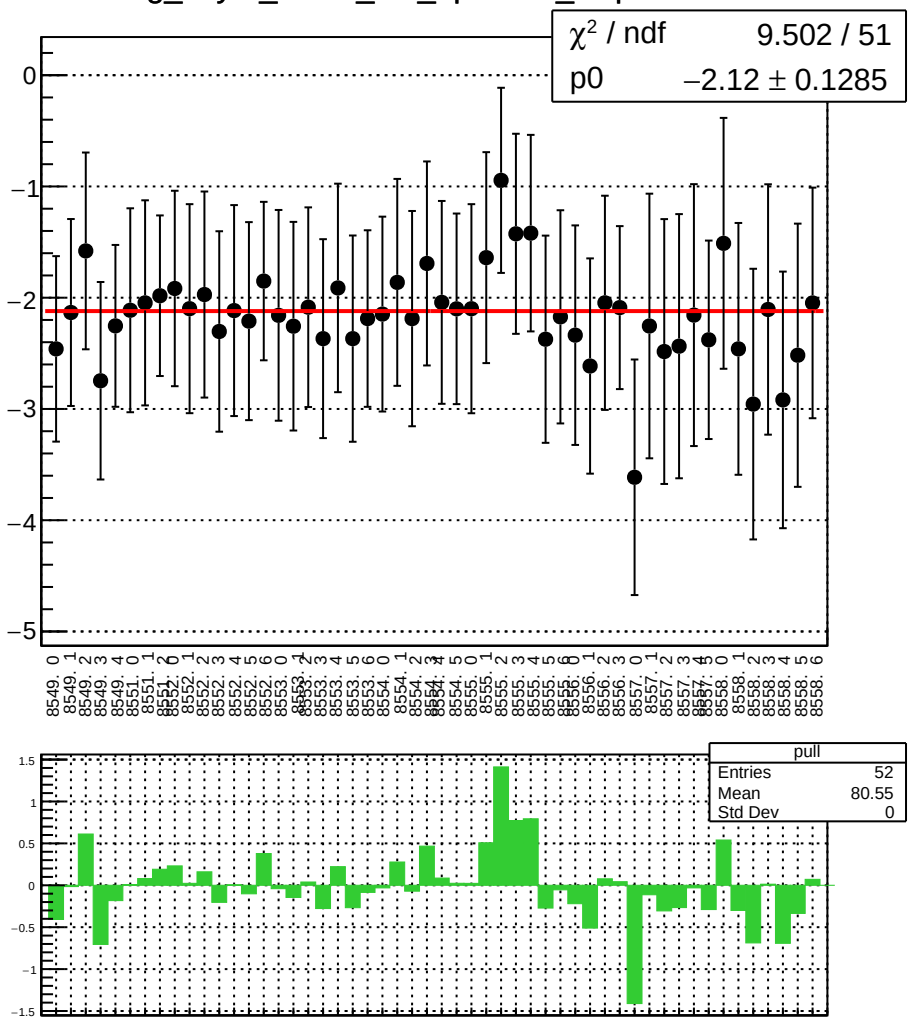

reg_asym_sam5_diff_bpm4aY_slope vs run
χ² / ndf 8.206 / 51
p0 118.8 ± 1.856
150
140
130
120
110
100
90
pull
Entries 52
Mean 754.3
Std Dev 0
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
−1

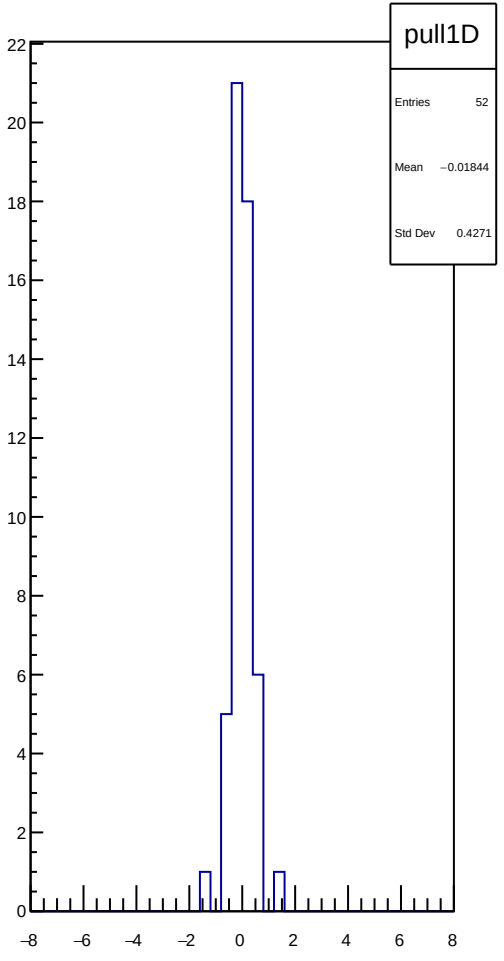

pull1D
Entries 52
Mean −0.003604
Std Dev 0.3972
22
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

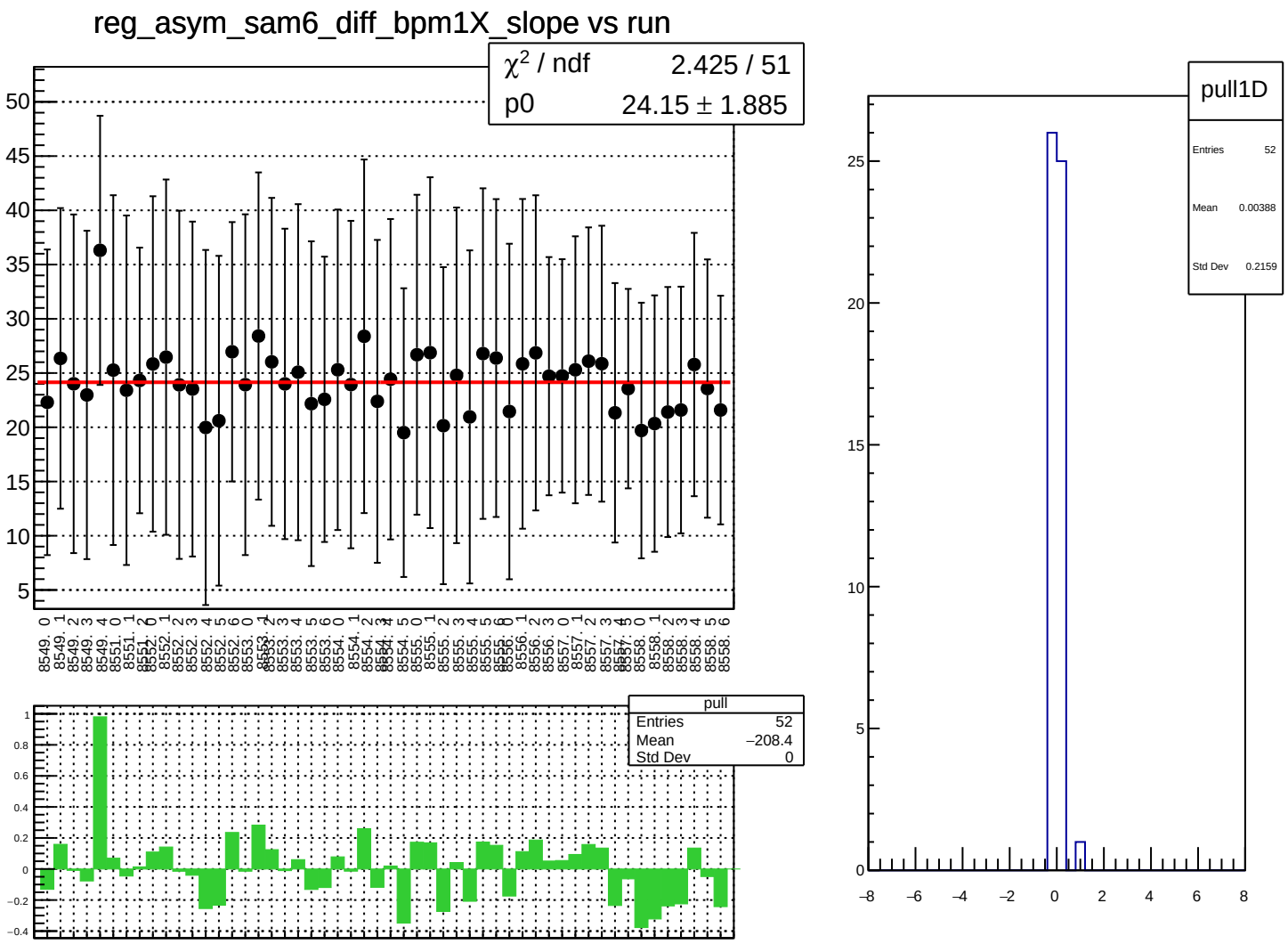

reg_asym_sam5_diff_bpm4eX_slope vs run
χ² / ndf 8.753 / 51
p0 9.61 ± 1.194
pull
Entries 52
Mean −255.8
Std Dev 0
pull1D
Entries 52
Mean 0.009482
Std Dev 0.4102

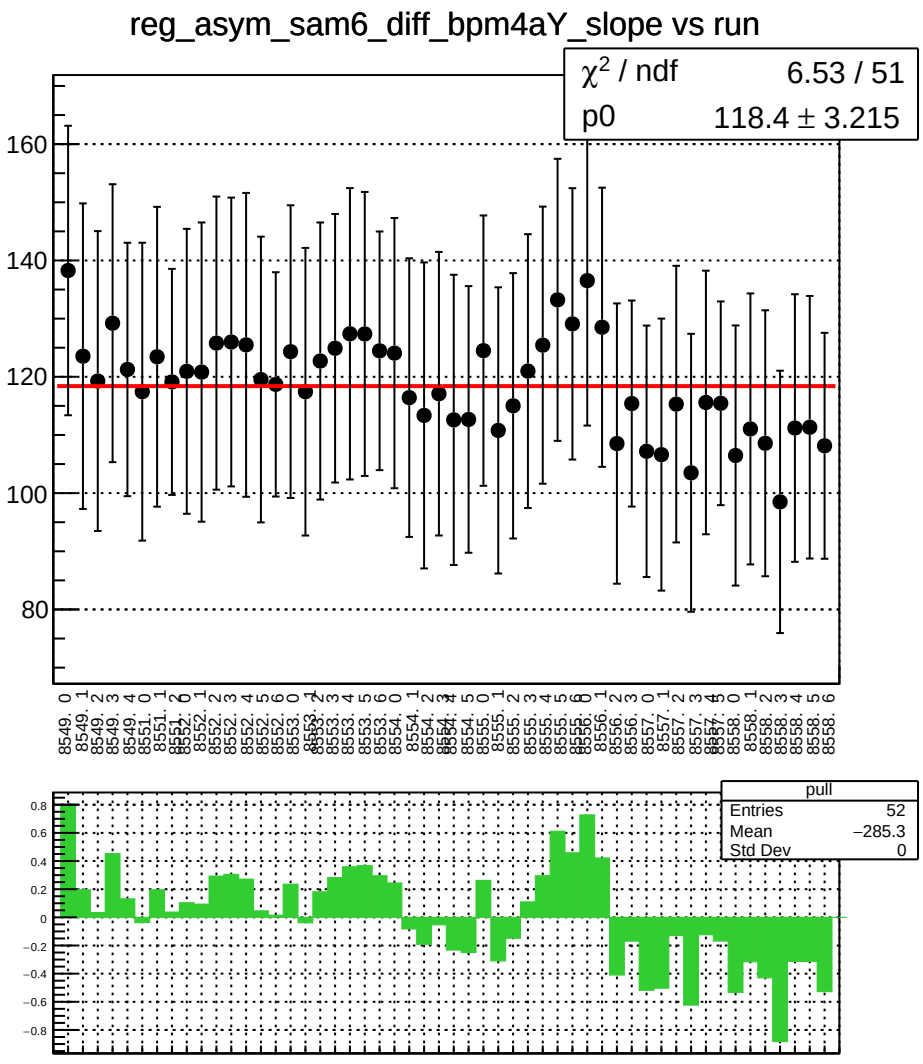

reg_asym_sam5_diff_bpm4eY_slope vs run
χ² / ndf 10.96 / 51
p0 22.2 ± 1.969
pull
Entries 52
Mean 2219
Std Dev 0

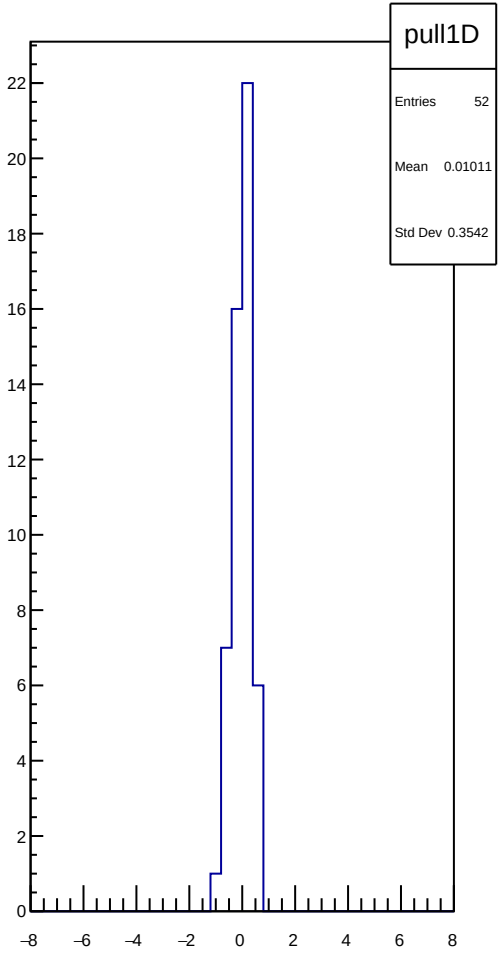

pull1D
Entries 52
Mean 0.001785
Std Dev 0.4591

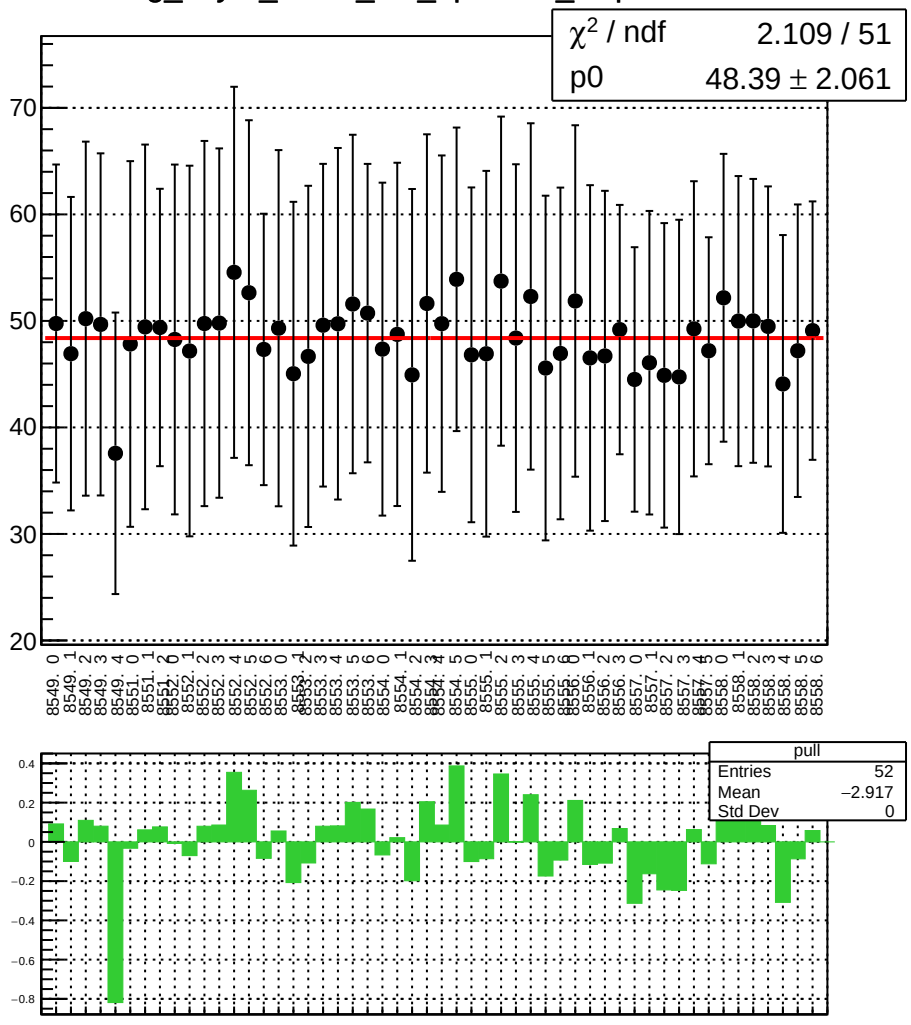

reg_asym_sam5_diff_bpm12X_slope vs run
χ² / ndf 9.502 / 51
p0 −2.12 ± 0.1285
pull
Entries 52
Mean 80.55
Std Dev 0

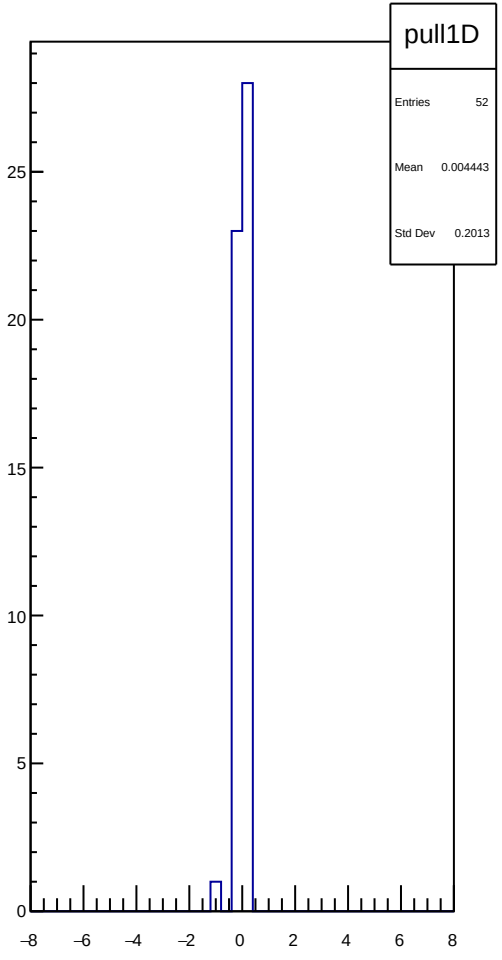

pull1D
Entries 52
Mean −0.01844
Std Dev 0.4271

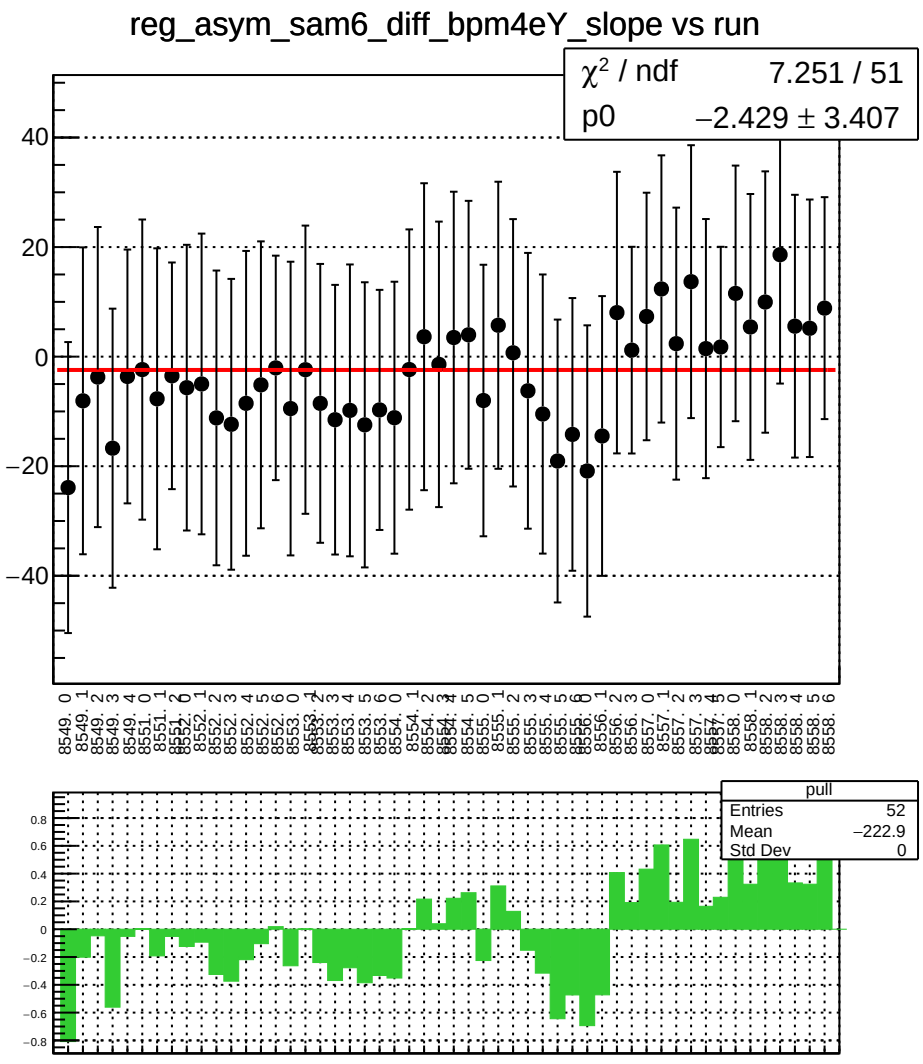

reg_asym_sam6_diff_bpm1X_slope vs run
χ² / ndf 2.425 / 51
p0 24.15 ± 1.885
pull
Entries 52
Mean −208.4
Std Dev 0
pull1D
Entries 52
Mean 0.00388
Std Dev 0.2159

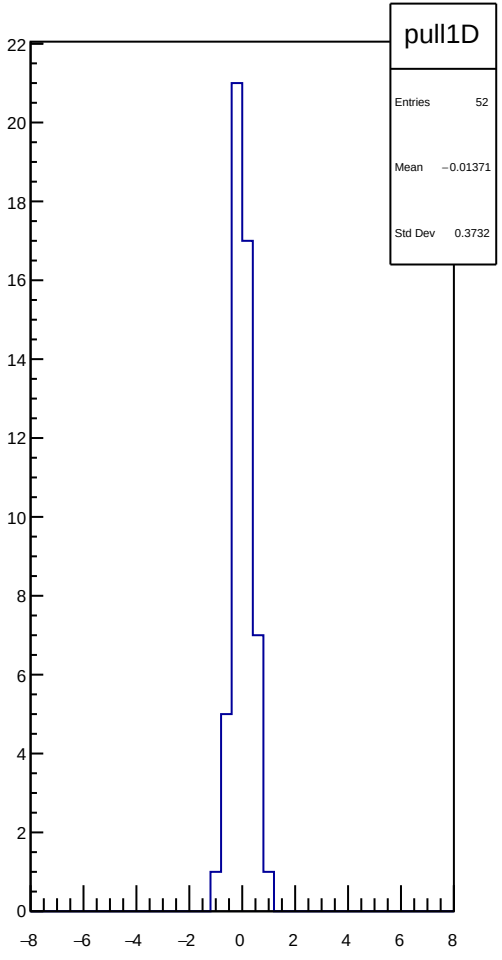

reg_asym_sam6_diff_bpm4aY_slope vs run
χ² / ndf 6.53 / 51
p0 118.4 ± 3.215
160
140
120
100
80
pull
Entries 52
Mean −285.3
Std Dev 0
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8

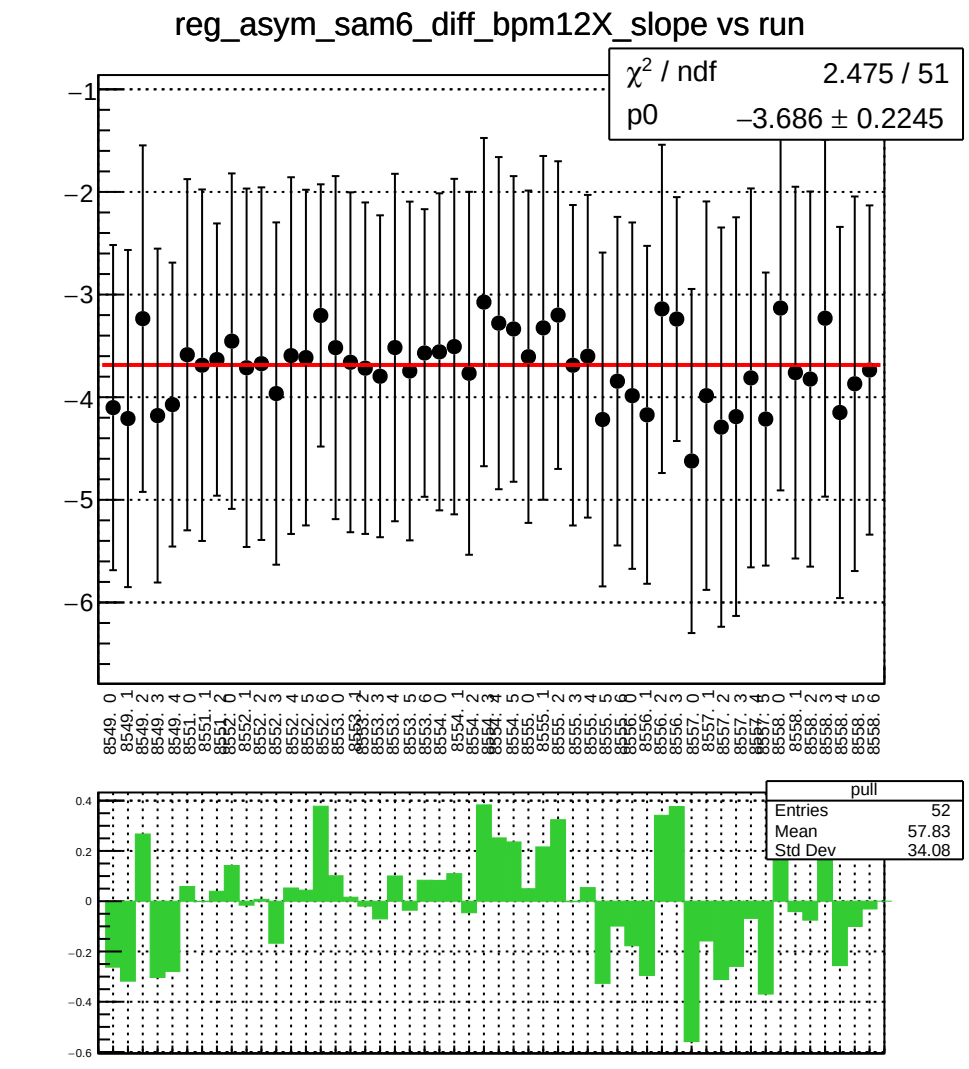

pull1D
Entries 52
Mean 0.01011
Std Dev 0.3542
22
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

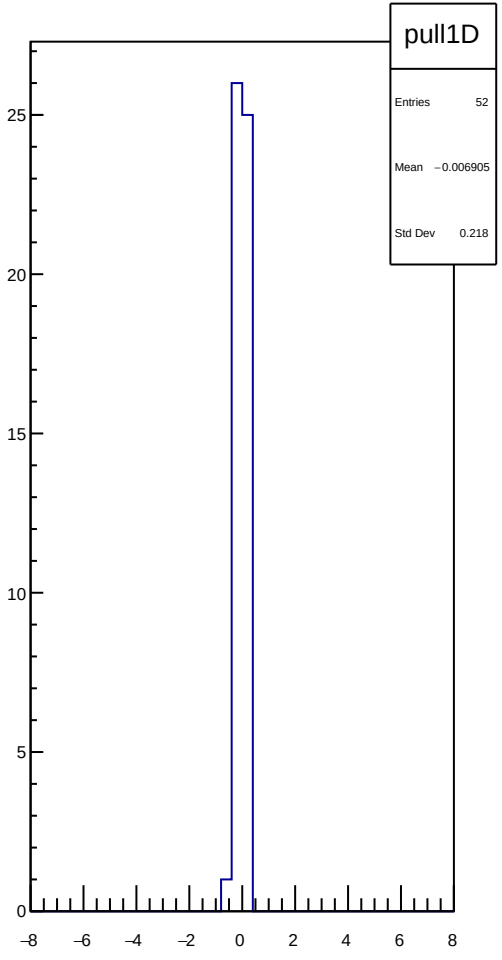

reg_asym_sam6_diff_bpm4eX_slope vs run
χ² / ndf 2.109 / 51
p0 48.39 ± 2.061
pull
Entries 52
Mean −2.917
Std Dev 0

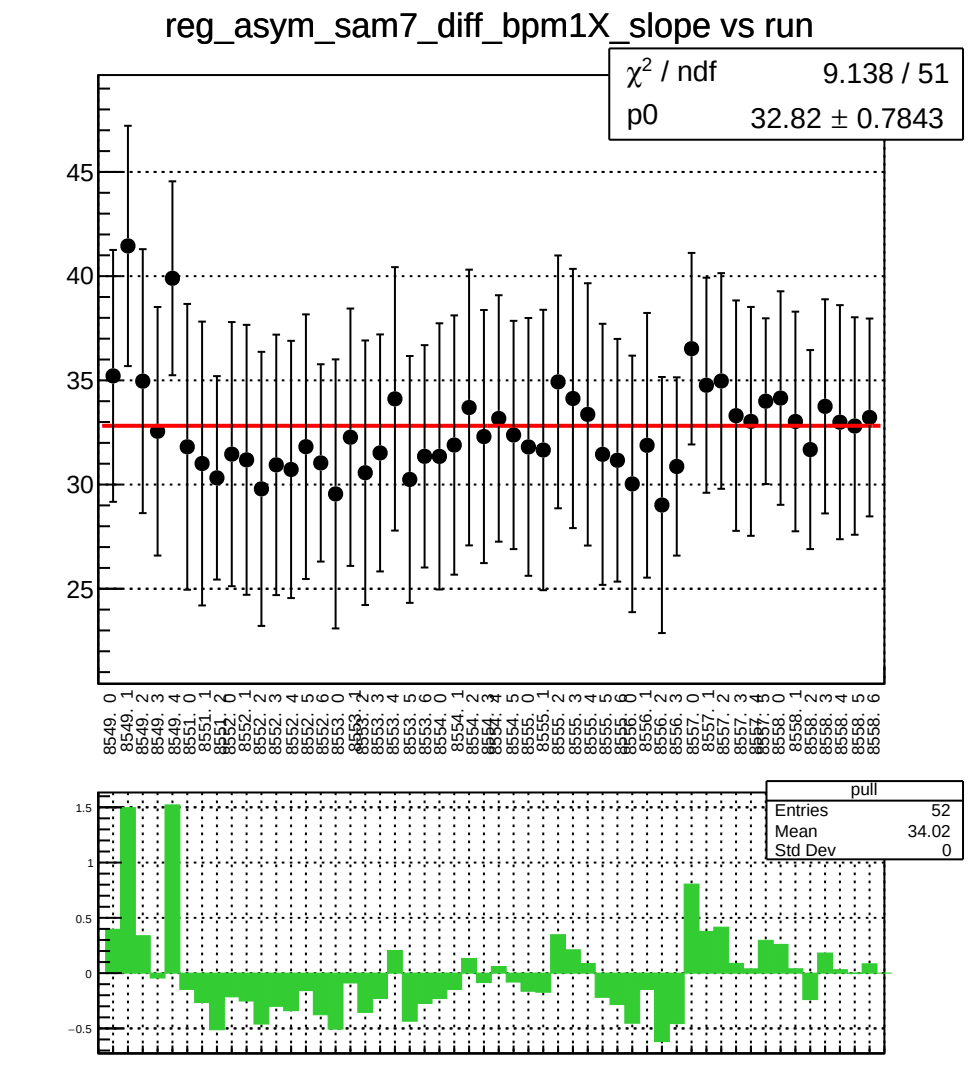

pull1D
Entries 52
Mean 0.004443
Std Dev 0.2013

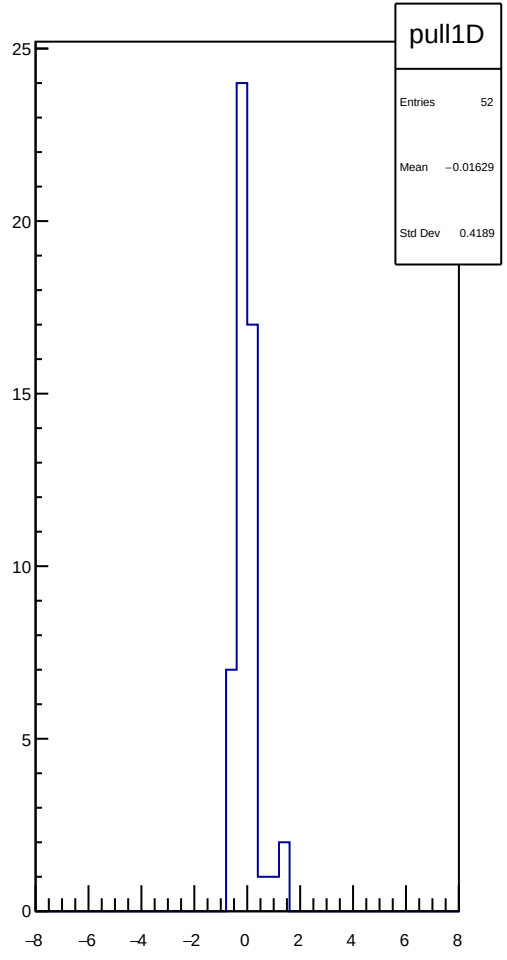

reg_asym_sam6_diff_bpm4eY_slope vs run
χ² / ndf 7.251 / 51
p0 −2.429 ± 3.407
pull
Entries 52
Mean −222.9
Std Dev 0

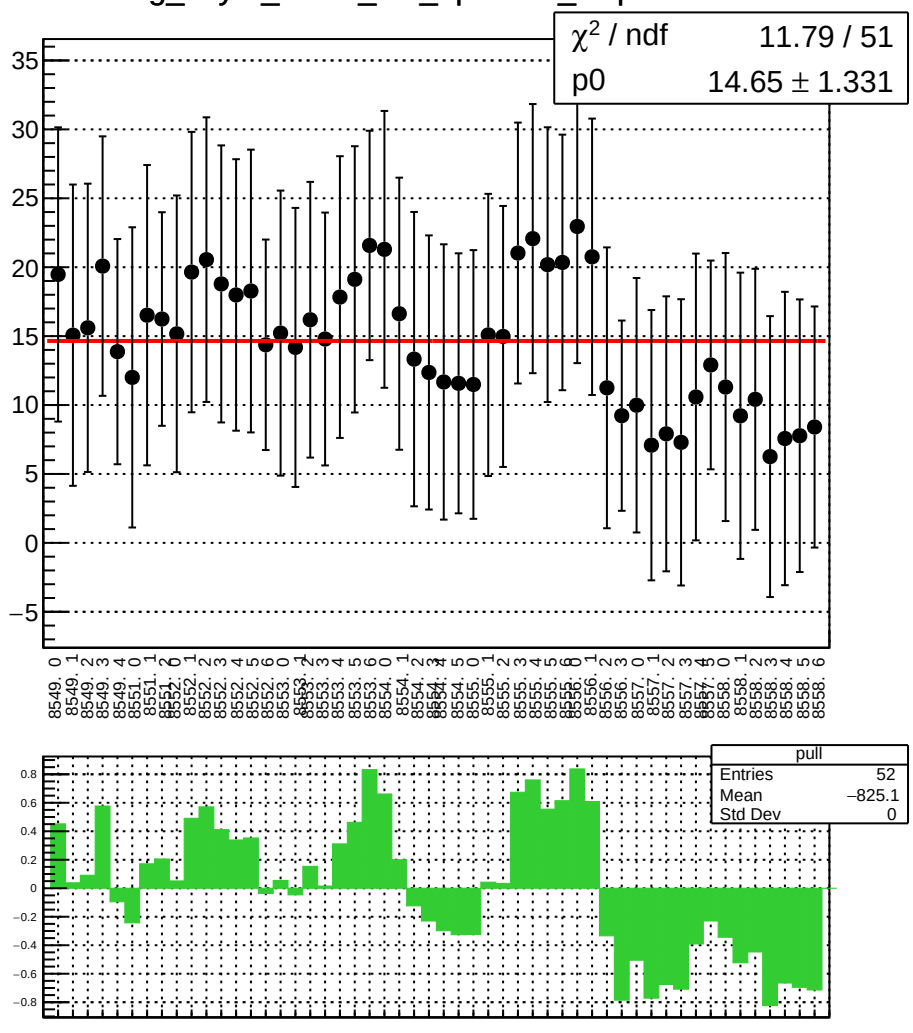

pull1D
Entries 52
Mean −0.01371
Std Dev 0.3732

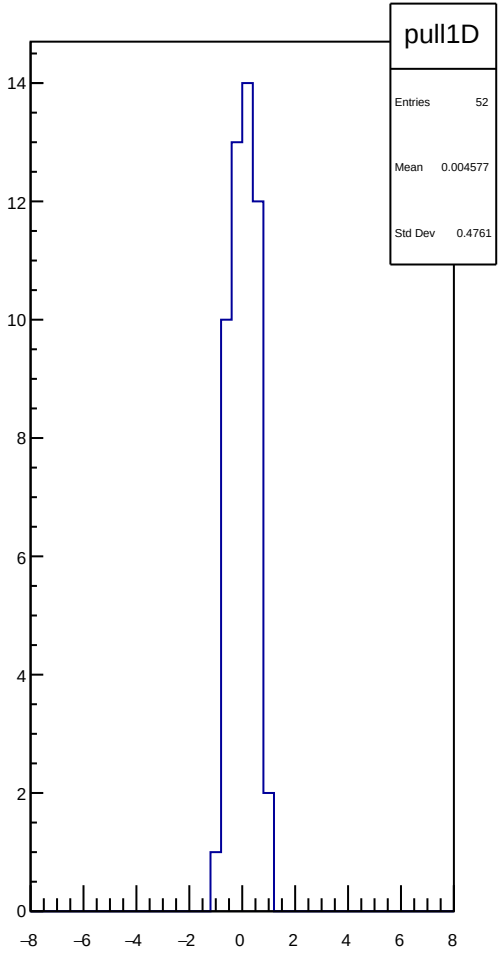

reg_asym_sam6_diff_bpm12X_slope vs run
χ² / ndf 2.475 / 51
p0 −3.686 ± 0.2245
pull
Entries 52
Mean 57.83
Std Dev 34.08

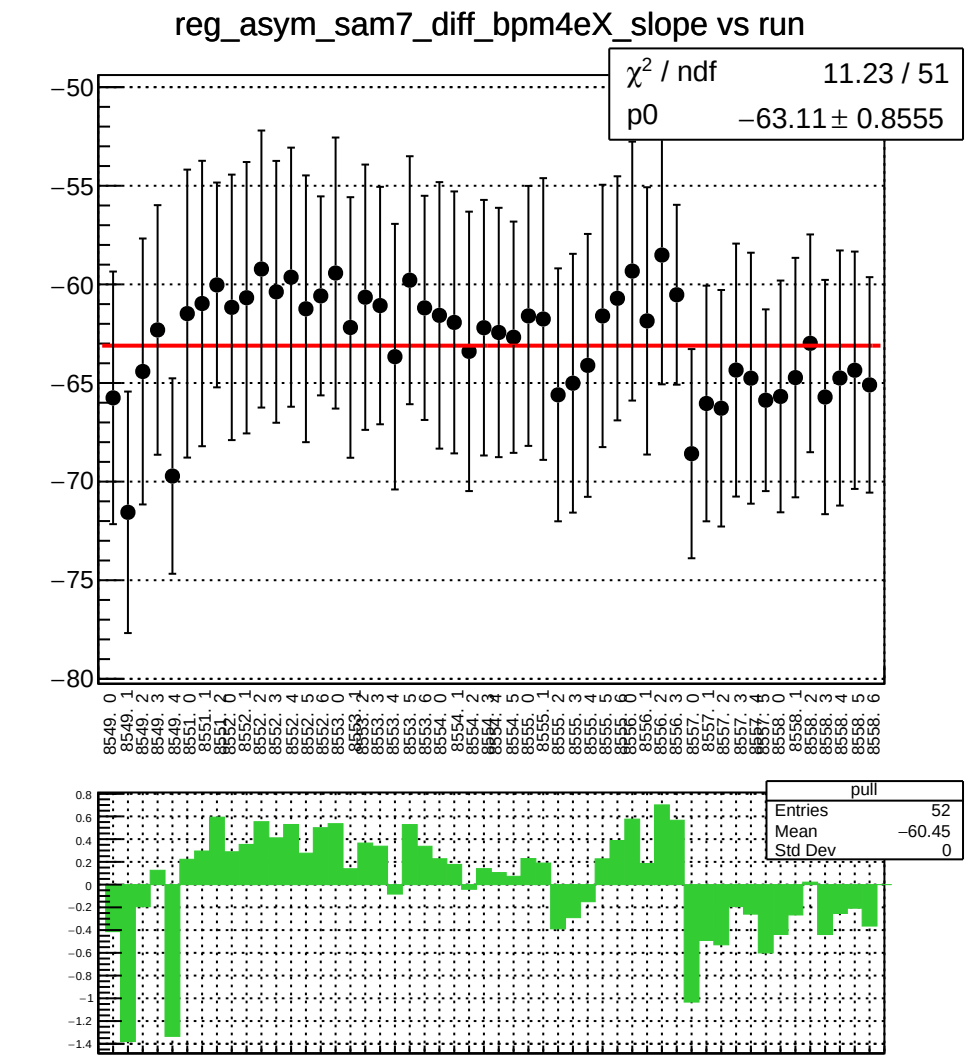

pull1D
Entries 52
Mean −0.006905
Std Dev 0.218

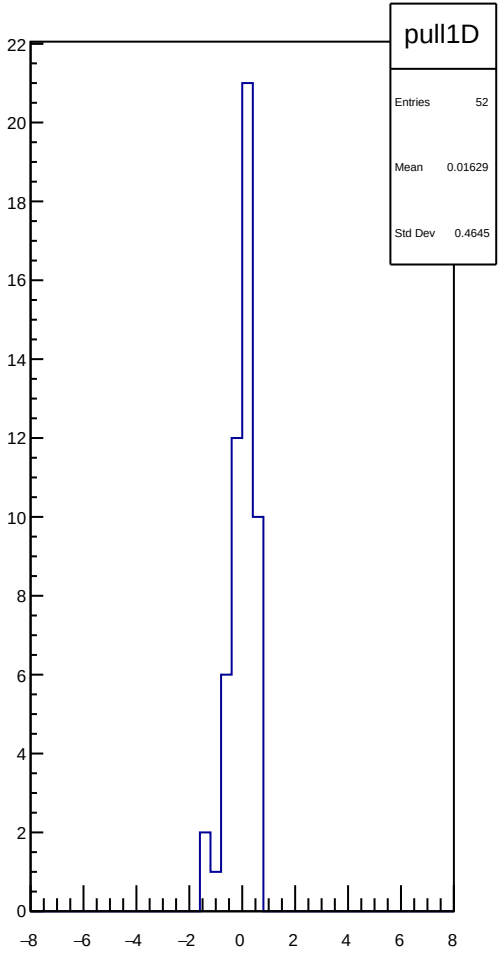

reg_asym_sam7_diff_bpm1X_slope vs run
χ² / ndf 9.138 / 51
p0 32.82 ± 0.7843
pull
Entries 52
Mean 34.02
Std Dev 0

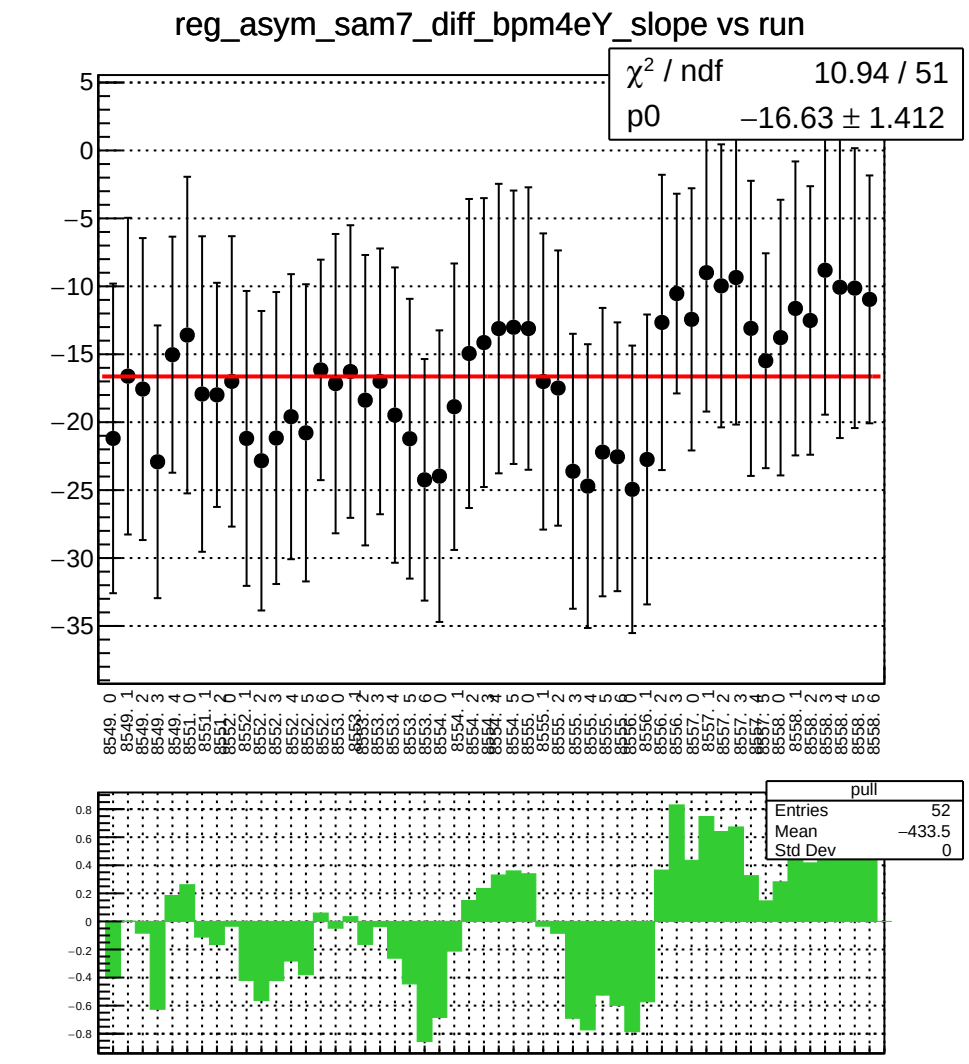

pull1D
Entries 52
Mean −0.01629
Std Dev 0.4189

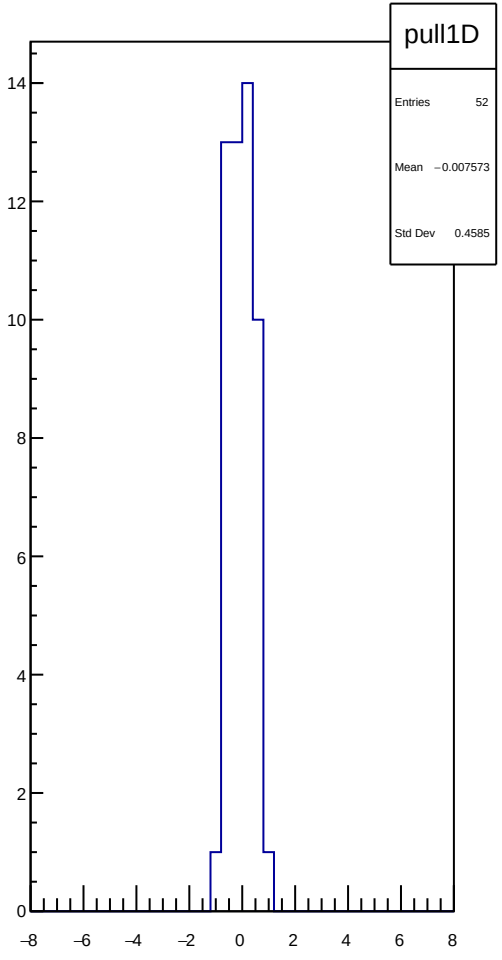

reg_asym_sam7_diff_bpm4aY_slope vs run
χ² / ndf 11.79 / 51
p0 14.65 ± 1.331
pull
Entries 52
Mean −825.1
Std Dev 0

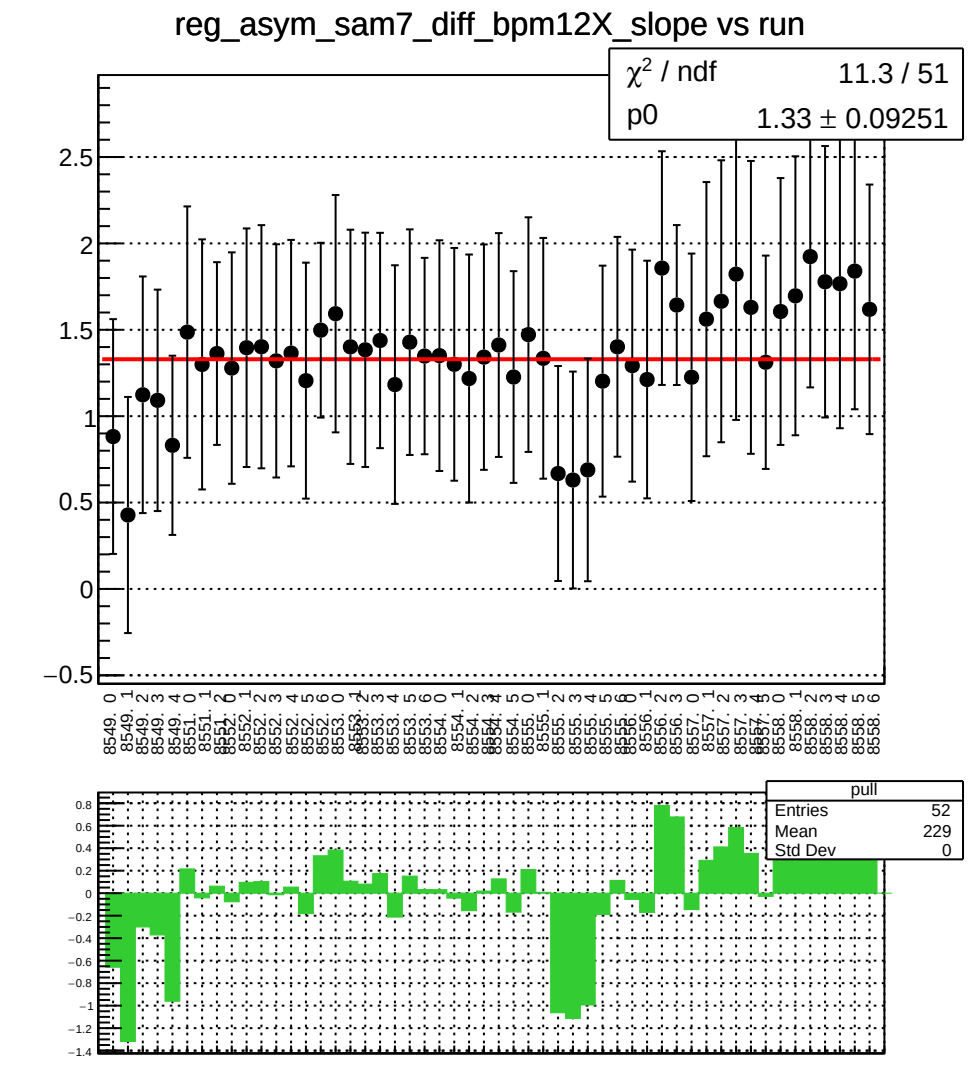

pull1D
Entries 52
Mean 0.004577
Std Dev 0.4761

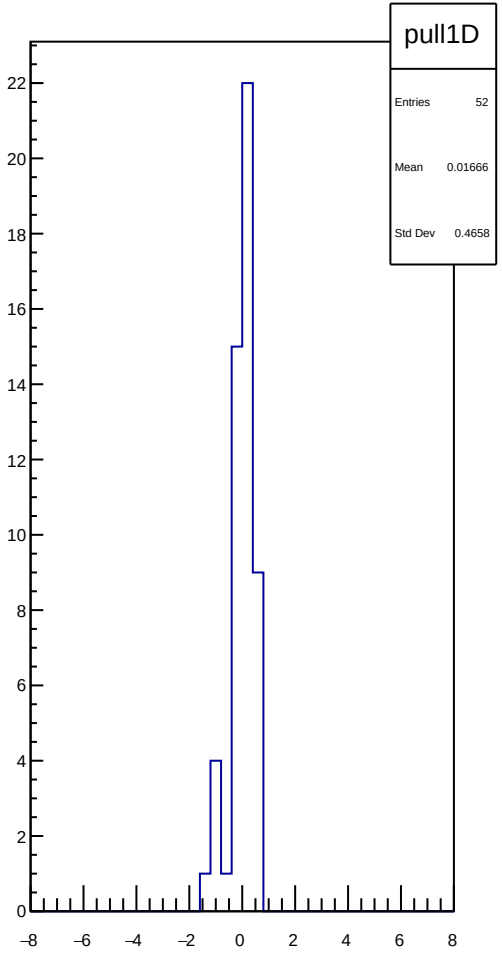

reg_asym_sam7_diff_bpm4eX_slope vs run
χ² / ndf 11.23 / 51
p0 −63.11 ± 0.8555
pull
Entries 52
Mean −60.45
Std Dev 0

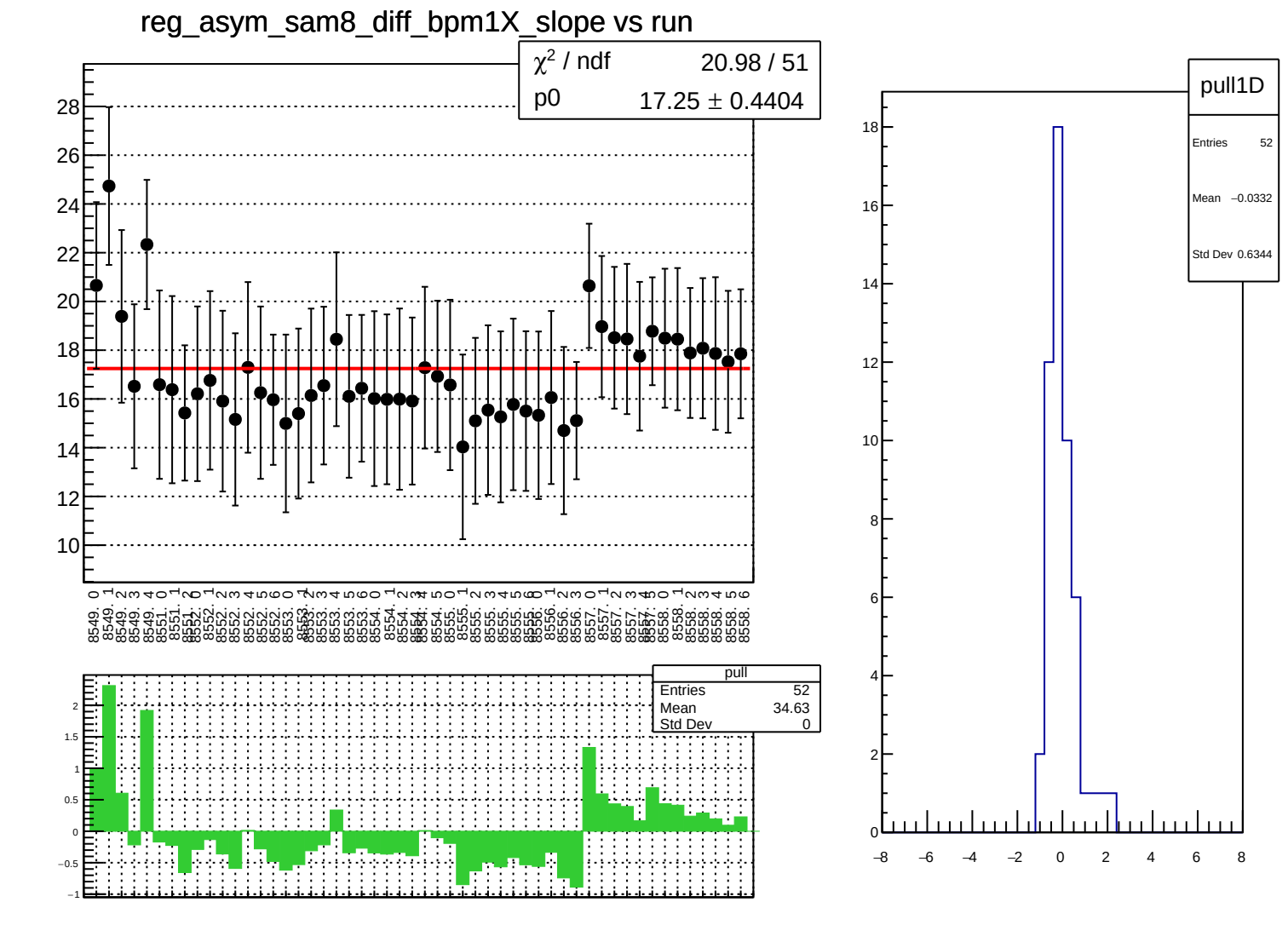

pull1D
Entries 52
Mean 0.01629
Std Dev 0.4645

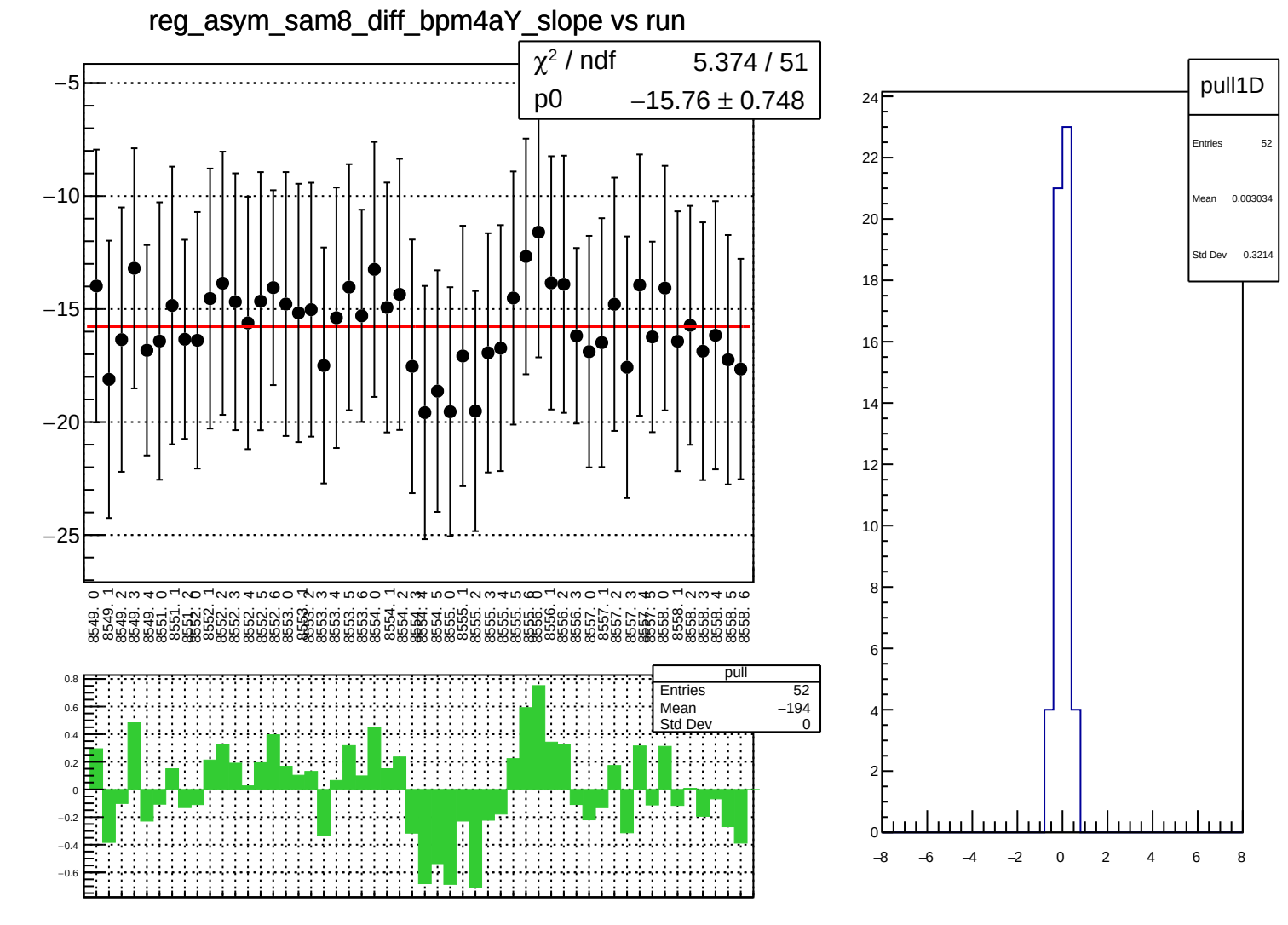

reg_asym_sam7_diff_bpm4eY_slope vs run
χ² / ndf 10.94 / 51
p0 −16.63 ± 1.412
pull
Entries 52
Mean −433.5
Std Dev 0

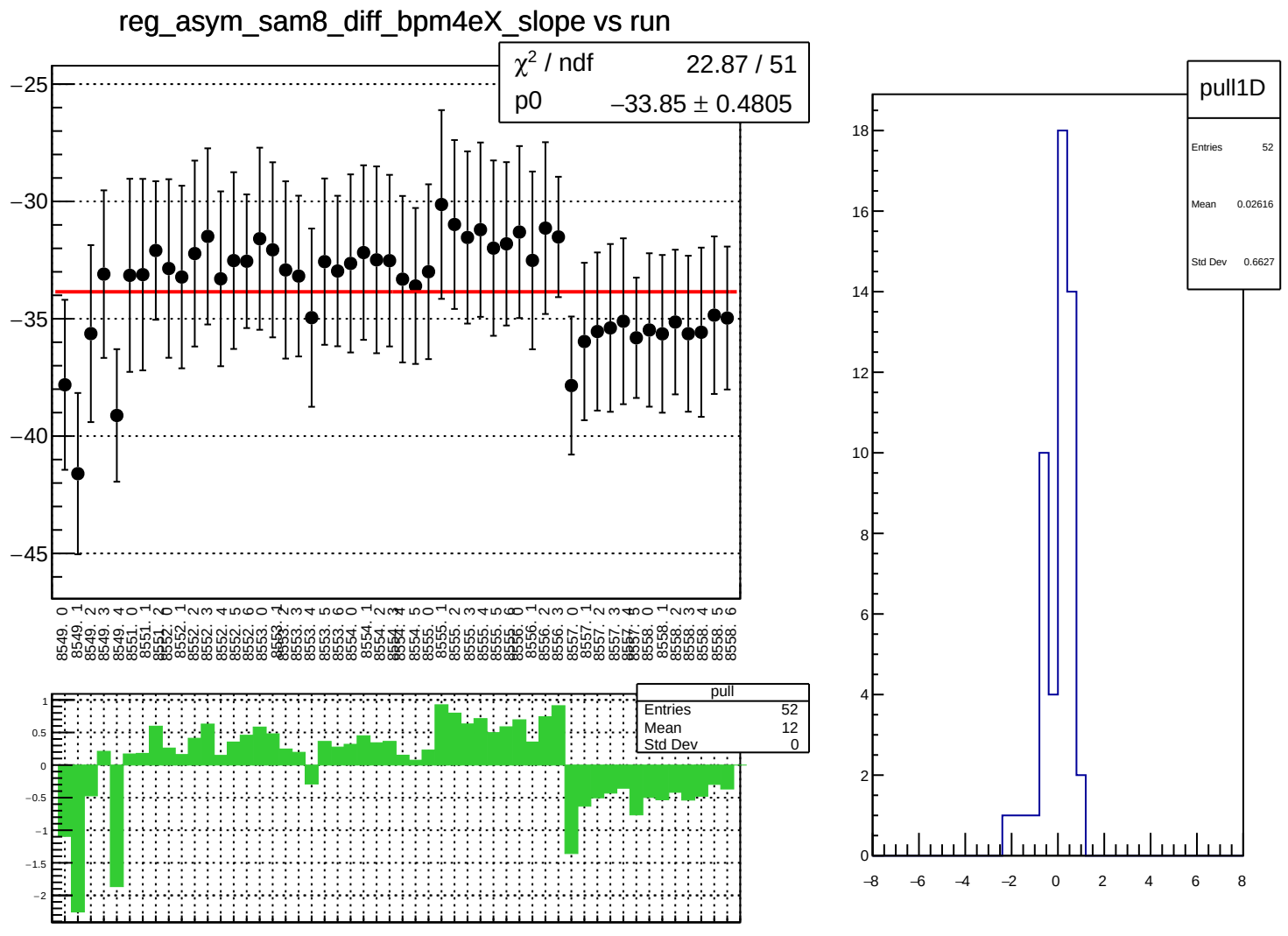

pull1D
Entries 52
Mean −0.007573
Std Dev 0.4585

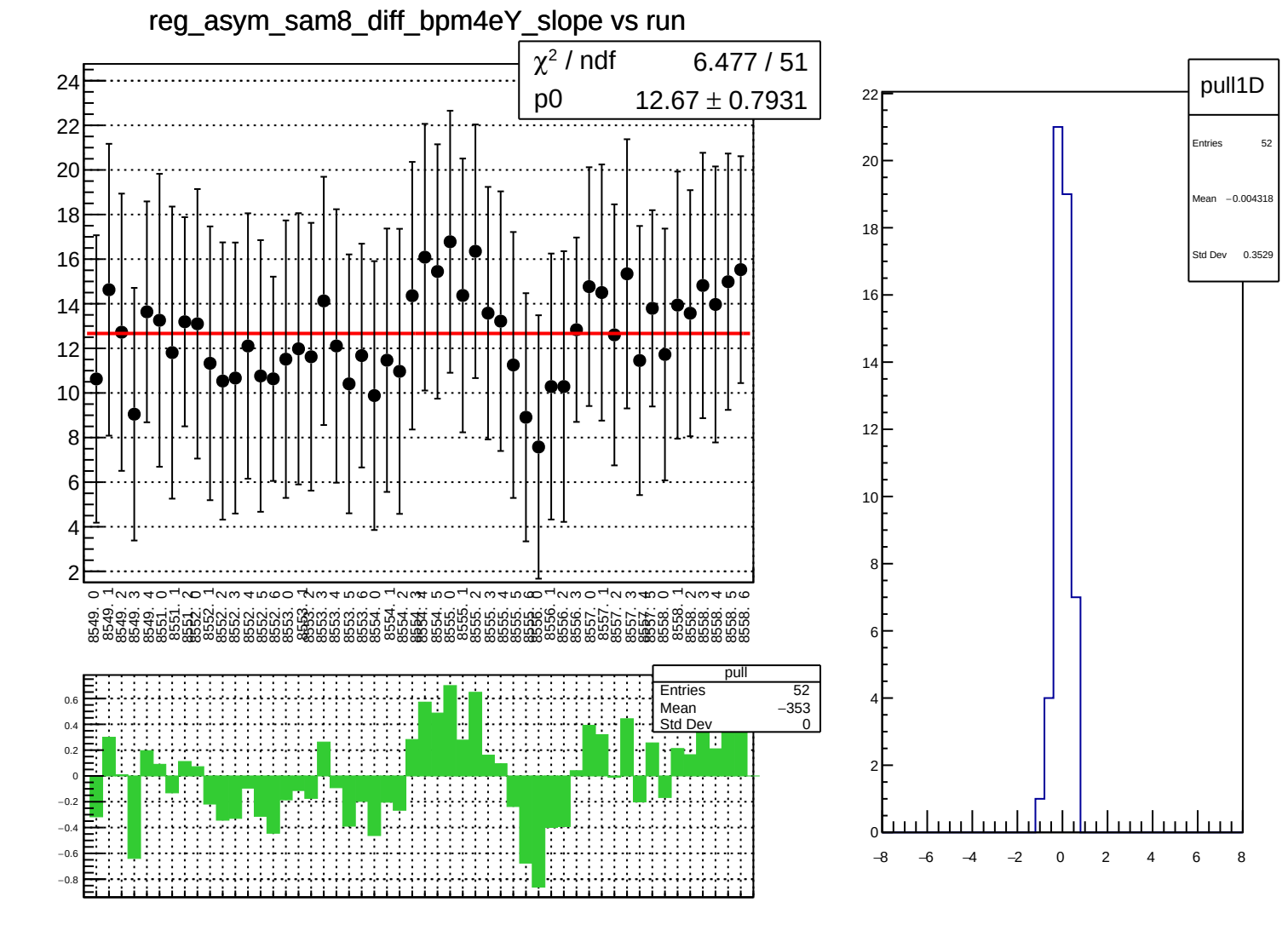

reg_asym_sam7_diff_bpm12X_slope vs run
χ² / ndf 11.3 / 51
p0 1.33 ± 0.09251
pull
Entries 52
Mean 229
Std Dev 0

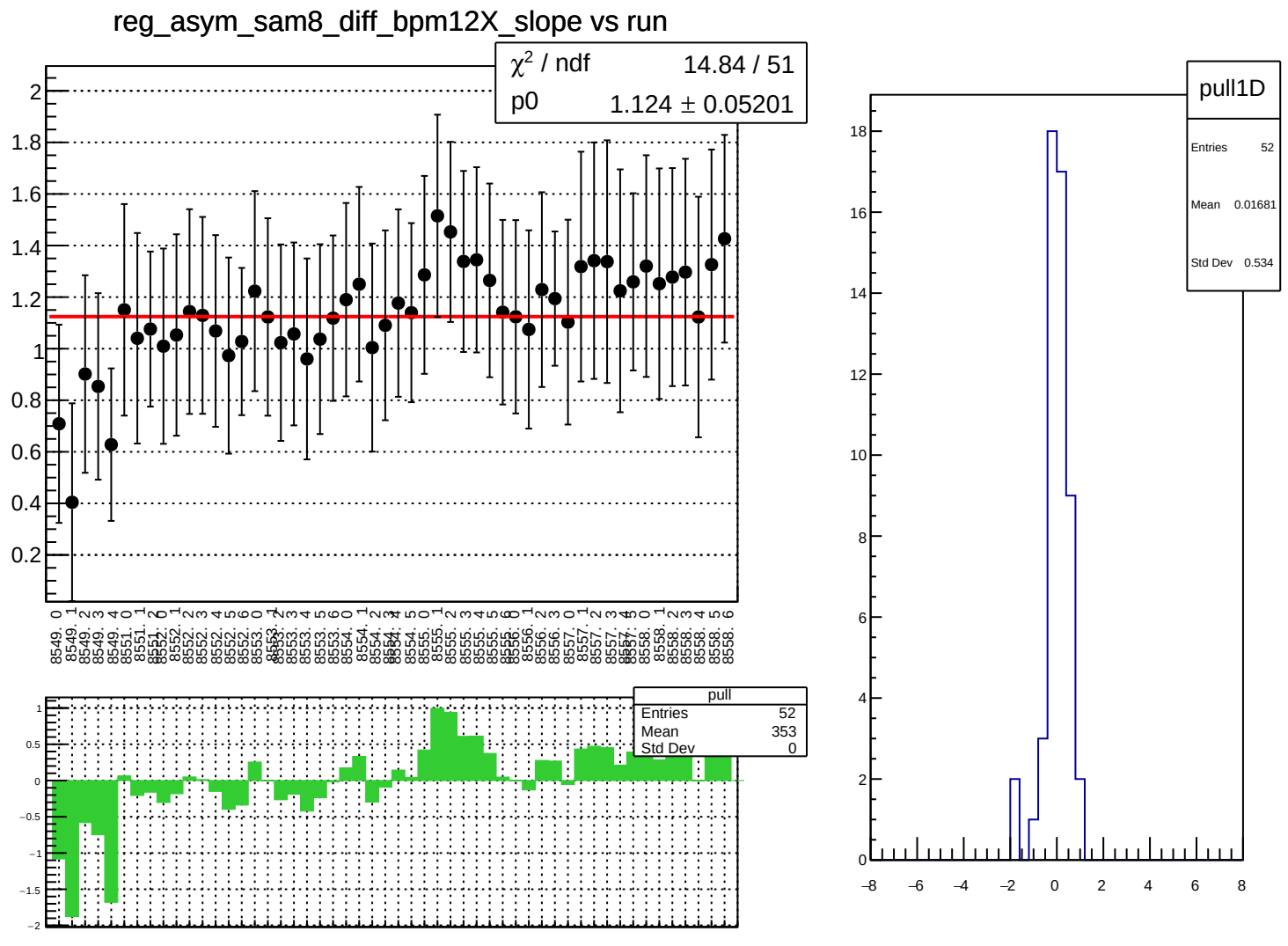

pull1D
Entries 52
Mean 0.01666
Std Dev 0.4658

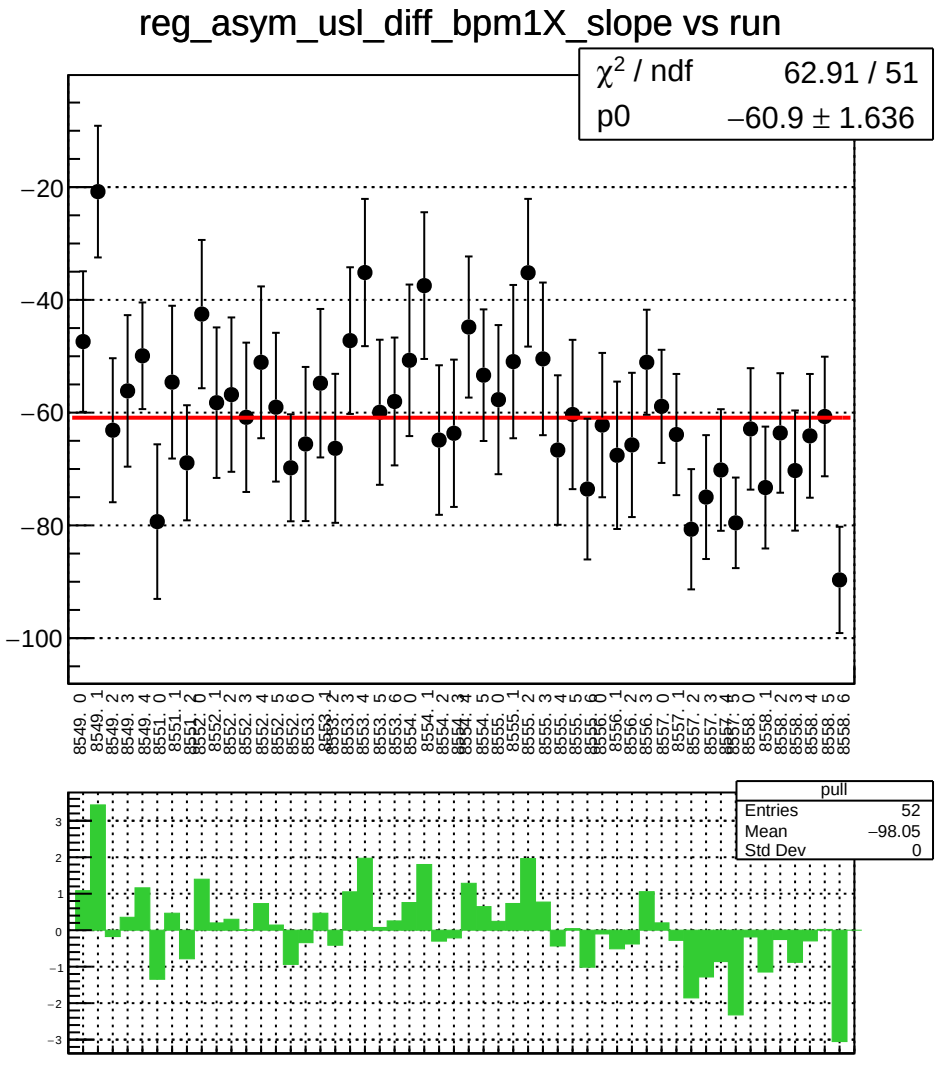

reg_asym_sam8_diff_bpm1X_slope vs run
χ² / ndf 20.98 / 51
p0 17.25 ± 0.4404
pull
Entries 52
Mean 34.63
Std Dev 0
pull1D
Entries 52
Mean −0.0332
Std Dev 0.6344

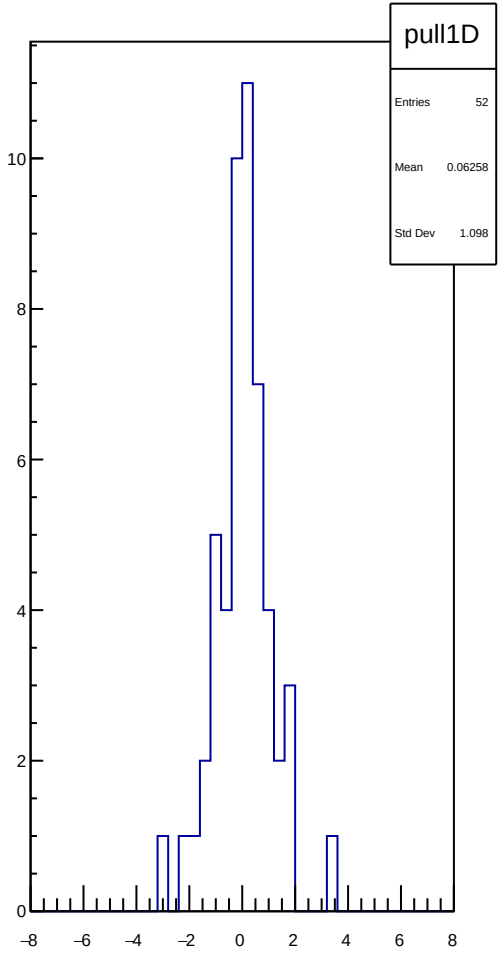

reg_asym_sam8_diff_bpm4aY_slope vs run
χ² / ndf 5.374 / 51
p0 −15.76 ± 0.748
pull
Entries 52
Mean −194
Std Dev 0
pull1D
Entries 52
Mean 0.003034
Std Dev 0.3214

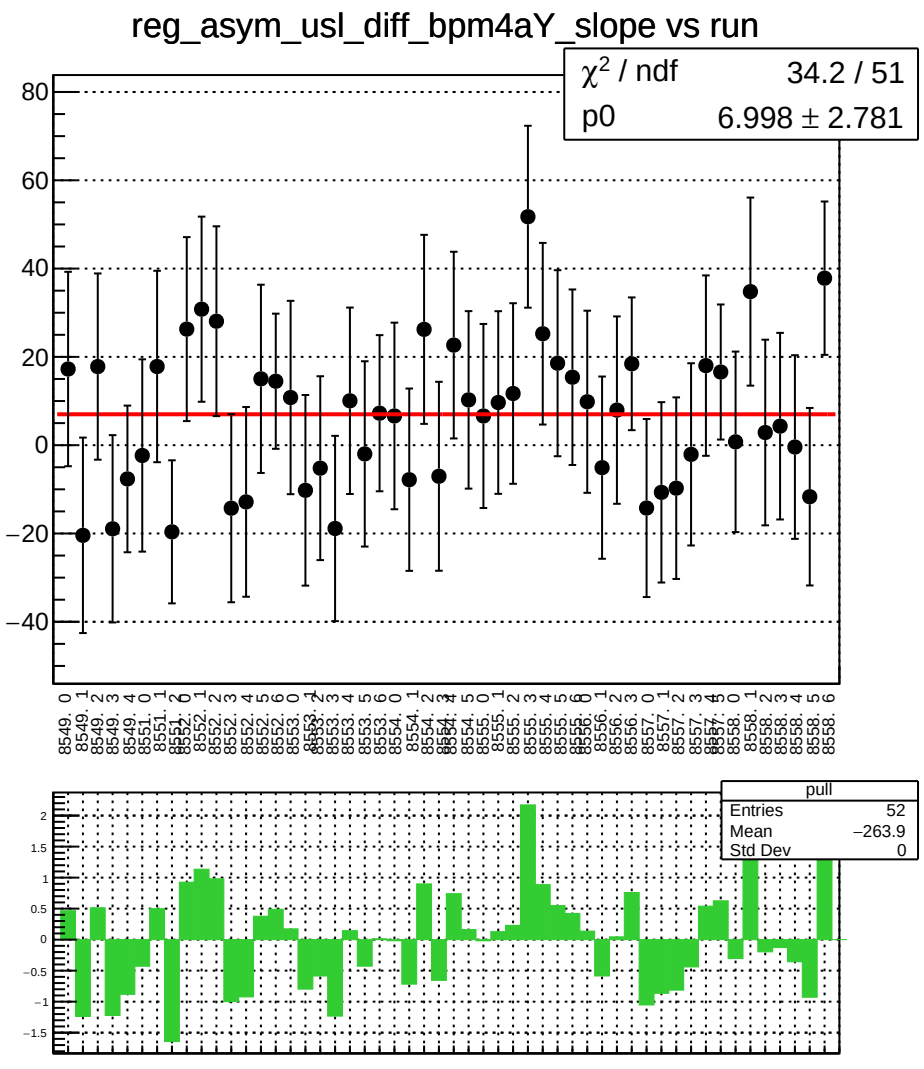

reg_asym_sam8_diff_bpm4eX_slope vs run
χ² / ndf 22.87 / 51
p0 −33.85 ± 0.4805
−25
−30
−35
−40
−45
pull
Entries 52
Mean 12
Std Dev 0
pull1D
Entries 52
Mean 0.02616
Std Dev 0.6627

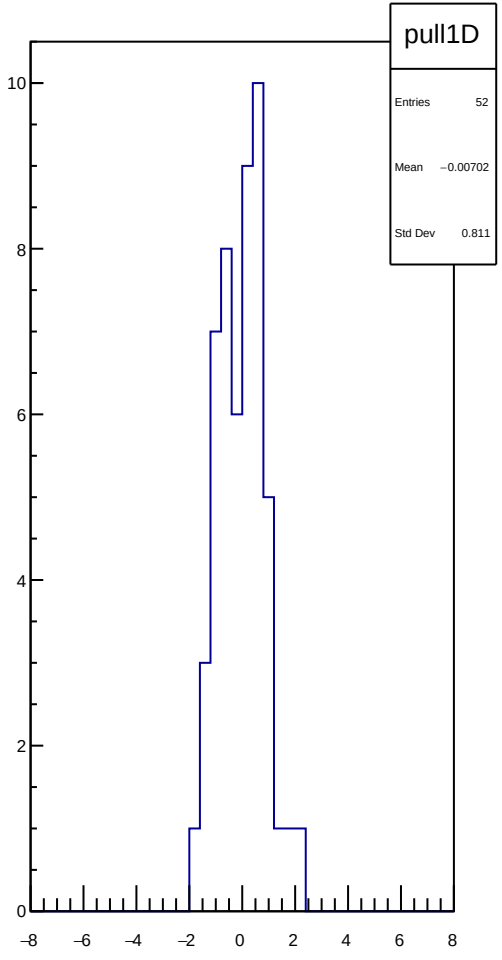

reg_asym_sam8_diff_bpm4eY_slope vs run
χ² / ndf 6.477 / 51
p0 12.67 ± 0.7931
pull
Entries 52
Mean −353
Std Dev 0
pull1D
Entries 52
Mean −0.004318
Std Dev 0.3529

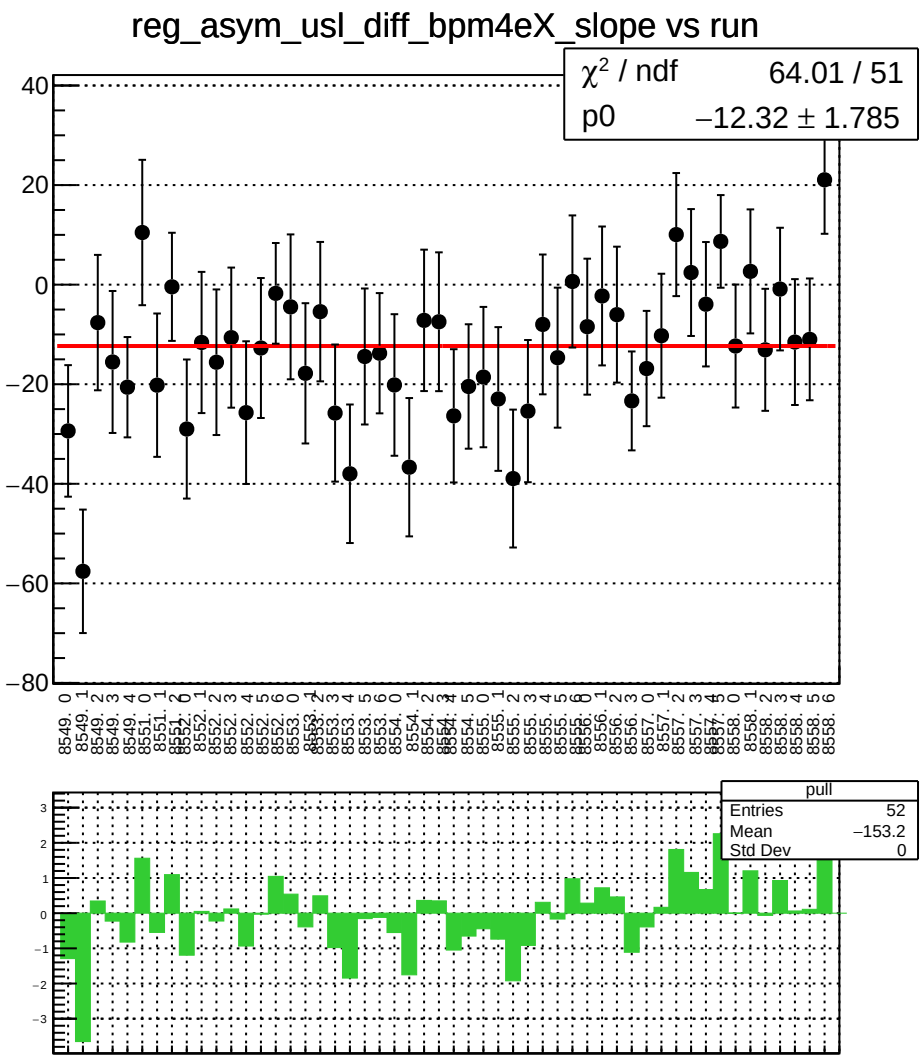

reg_asym_sam8_diff_bpm12X_slope vs run
χ² / ndf 14.84 / 51
p0 1.124 ± 0.05201
pull
Entries 52
Mean 353
Std Dev 0
pull1D
Entries 52
Mean 0.01681
Std Dev 0.534

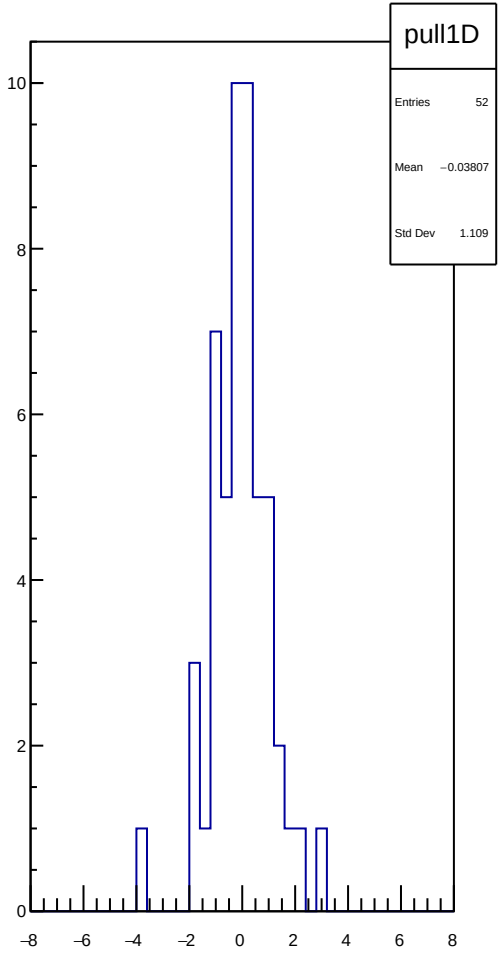

reg_asym_usl_diff_bpm1X_slope vs run
χ² / ndf 62.91 / 51
p0 −60.9 ± 1.636
pull
Entries 52
Mean −98.05
Std Dev 0

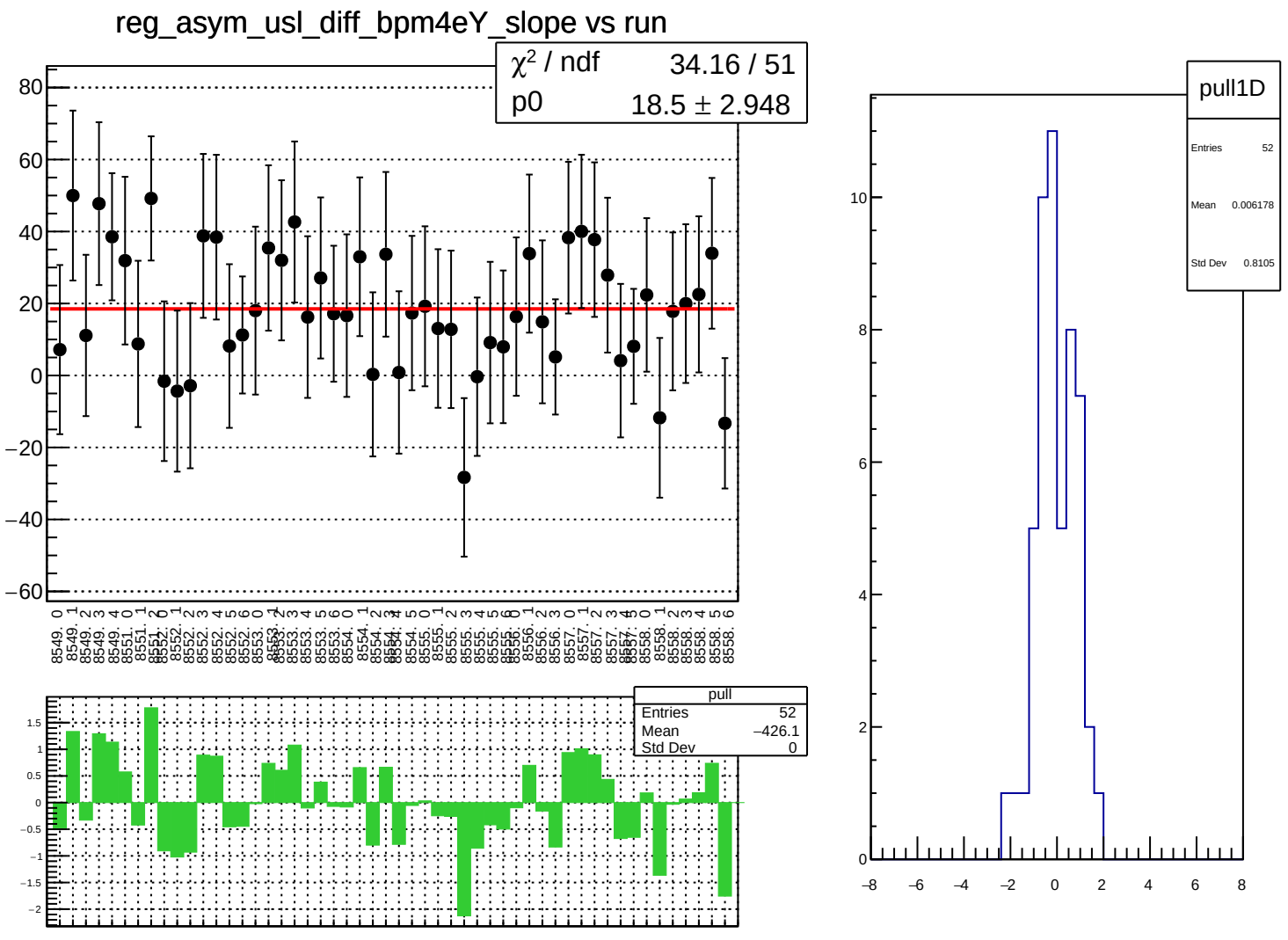

pull1D
Entries 52
Mean 0.06258
Std Dev 1.098

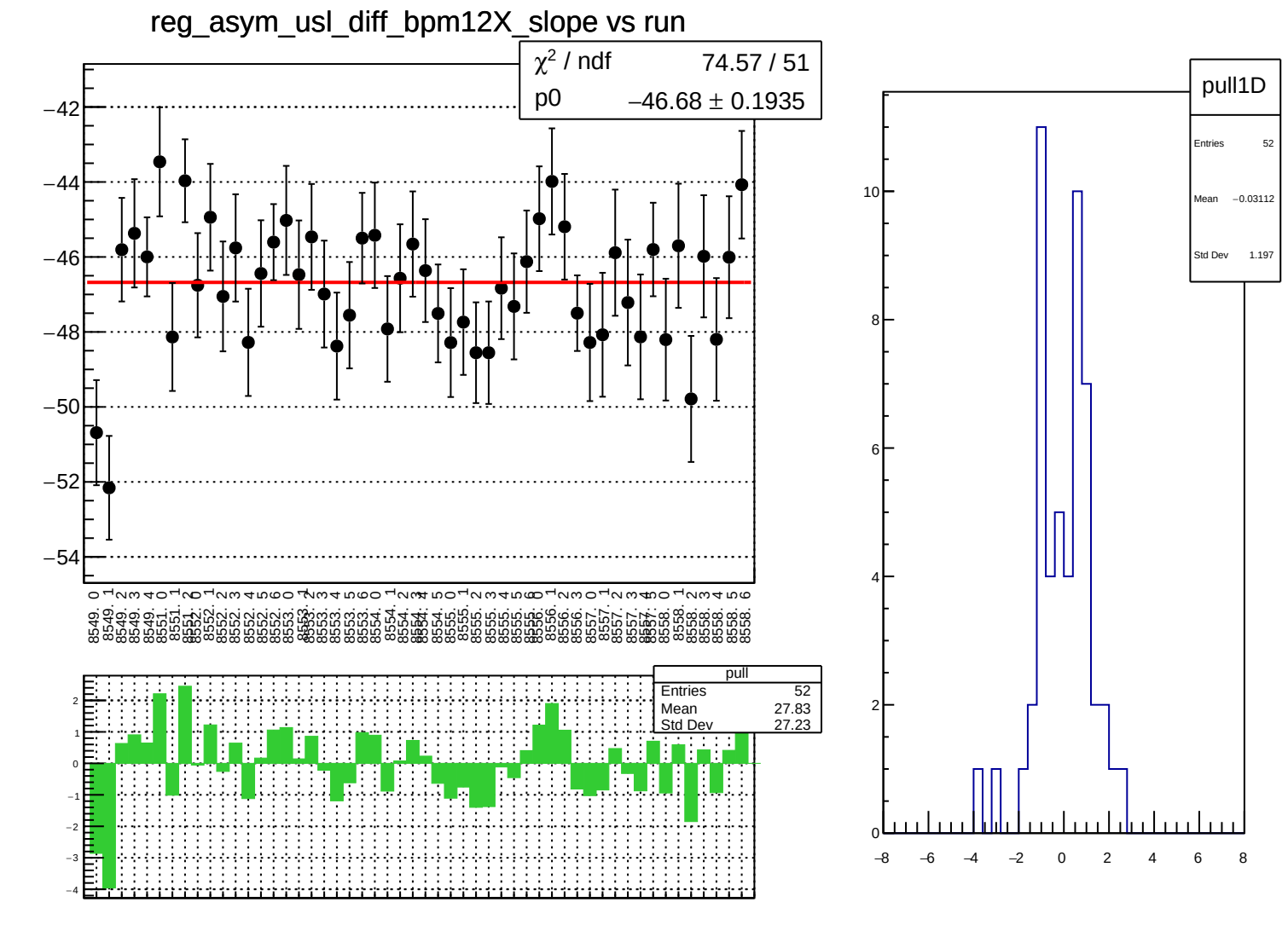

reg_asym_usl_diff_bpm4aY_slope vs run
χ² / ndf 34.2 / 51
p0 6.998 ± 2.781
pull
Entries 52
Mean −263.9
Std Dev 0

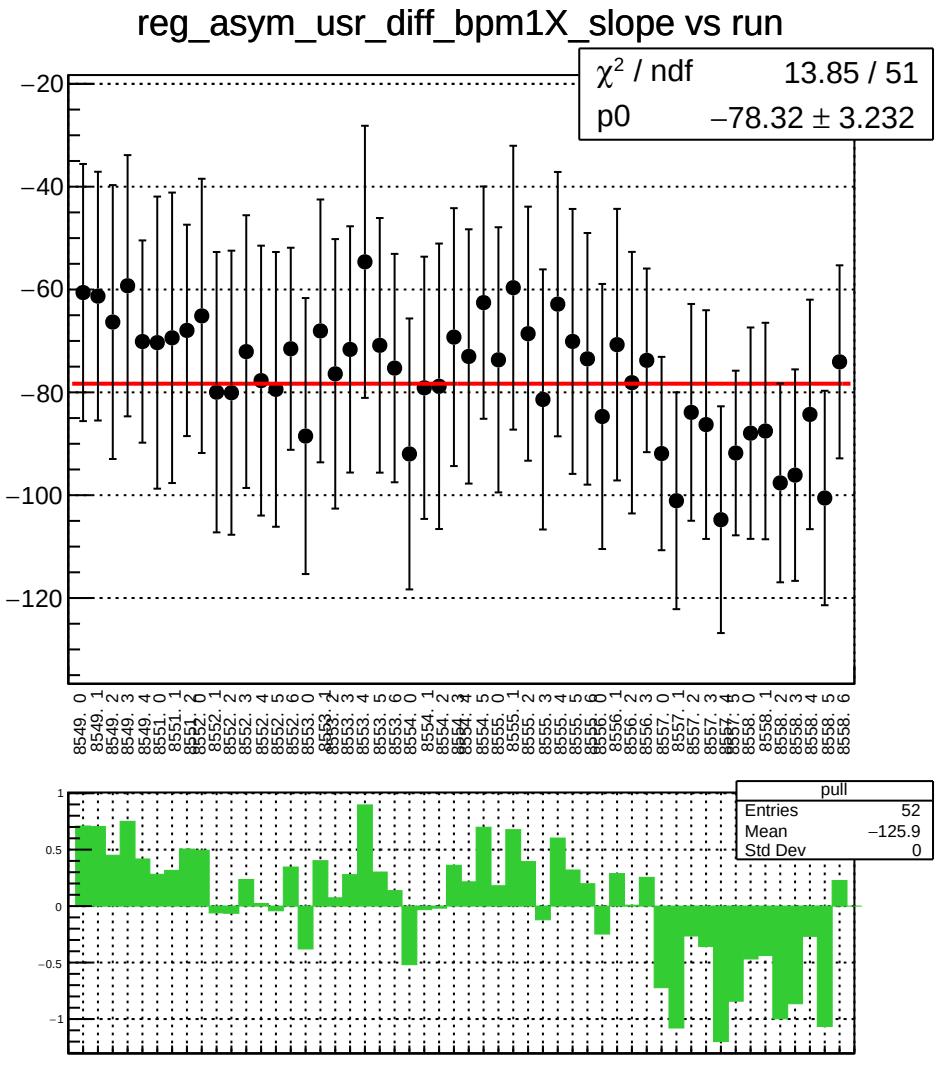

pull1D
Entries 52
Mean −0.00702
Std Dev 0.811

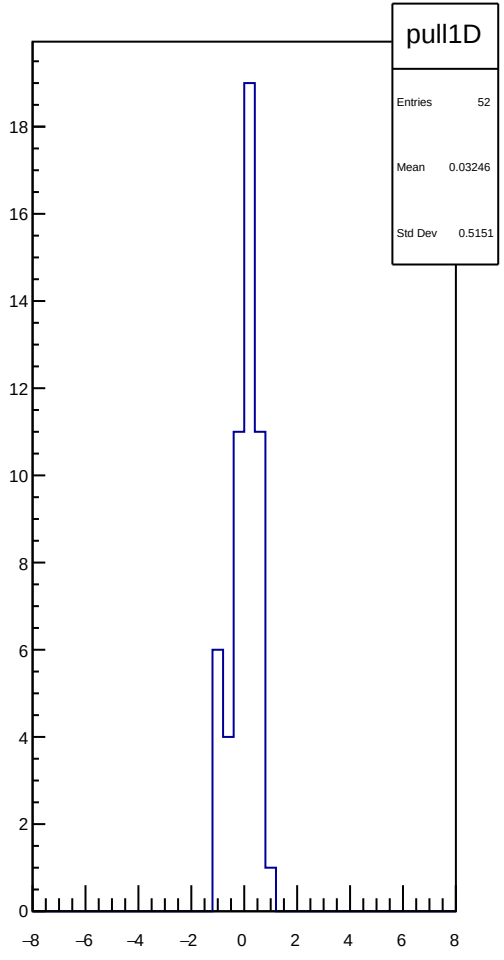

reg_asym_usl_diff_bpm4eX_slope vs run
χ² / ndf 64.01 / 51
p0 −12.32 ± 1.785
pull
Entries 52
Mean −153.2
Std Dev 0

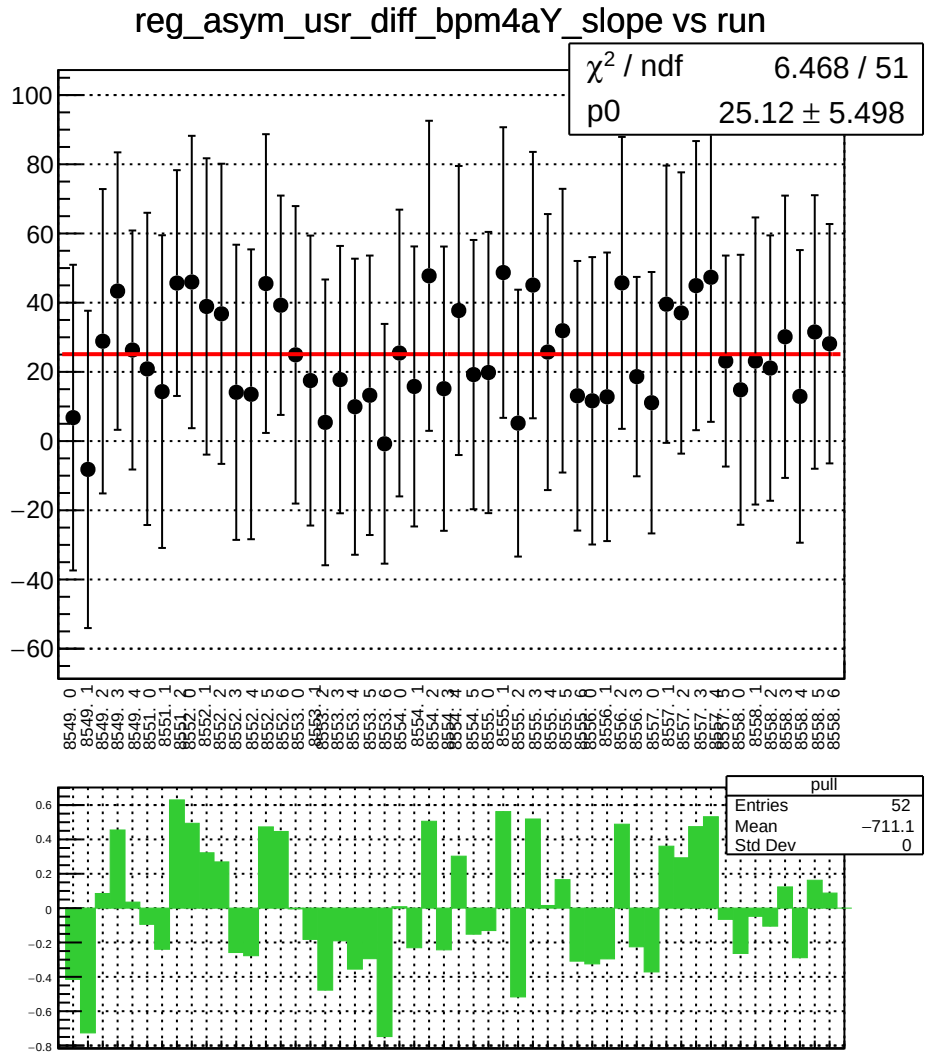

pull1D
Entries 52
Mean −0.03807
Std Dev 1.109

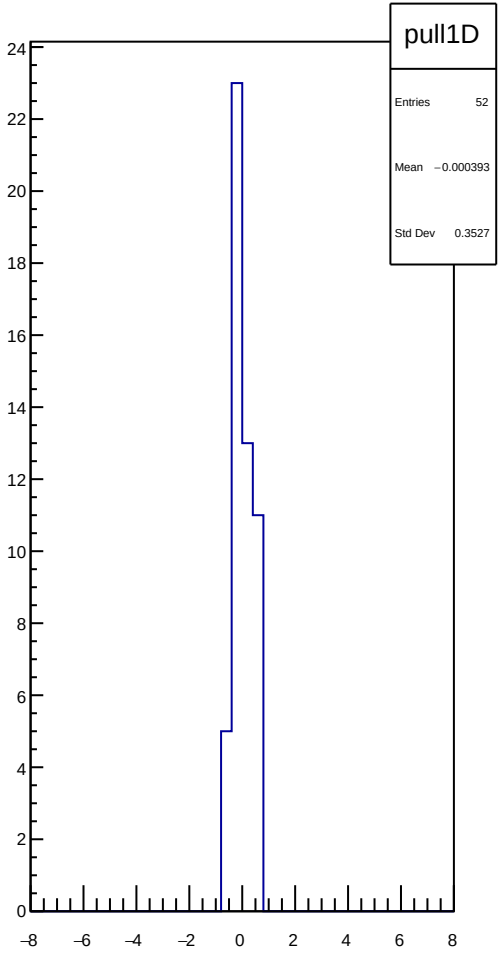

reg_asym_usl_diff_bpm4eY_slope vs run
χ² / ndf 34.16 / 51
p0 18.5 ± 2.948
pull
Entries 52
Mean −426.1
Std Dev 0
pull1D
Entries 52
Mean 0.006178
Std Dev 0.8105

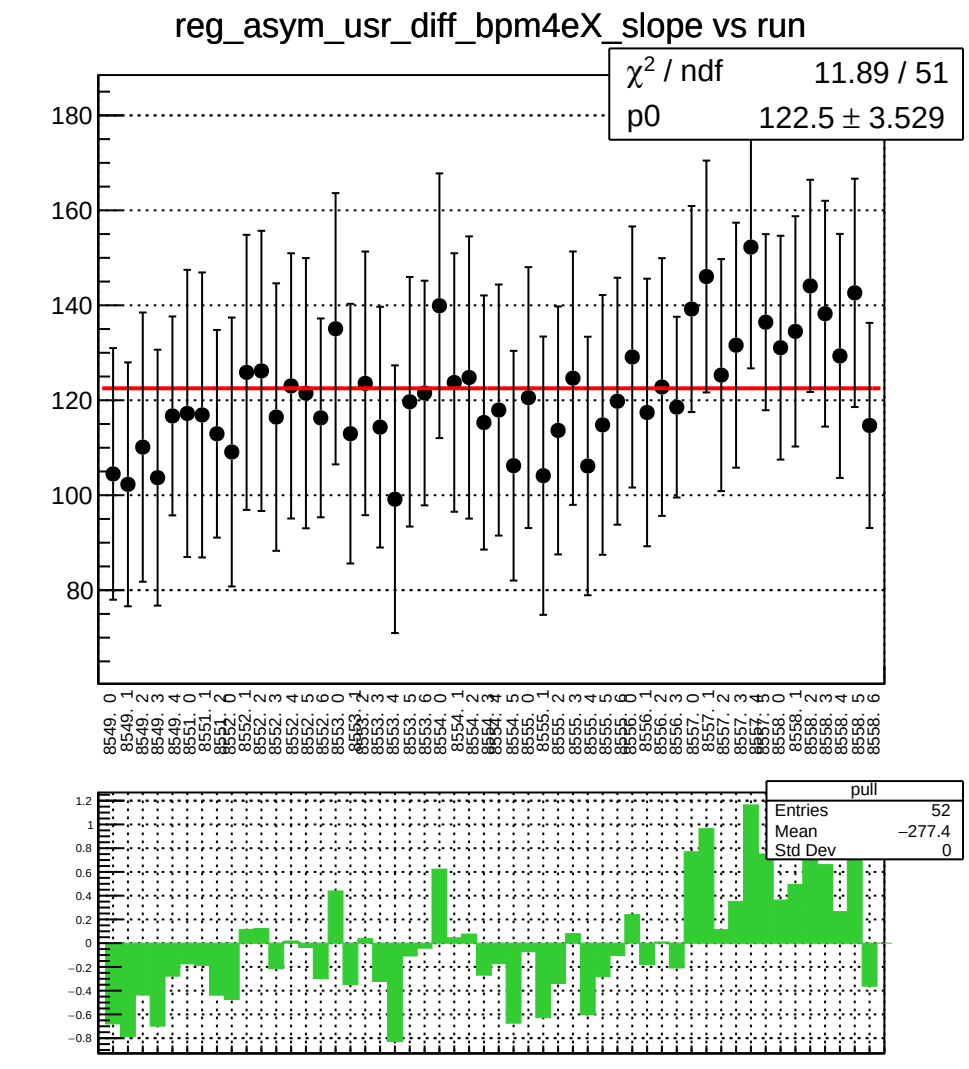

reg_asym_usl_diff_bpm12X_slope vs run
χ² / ndf 74.57 / 51
p0 −46.68 ± 0.1935
pull
Entries 52
Mean 27.83
Std Dev 27.23
pull1D
Entries 52
Mean −0.03112
Std Dev 1.197

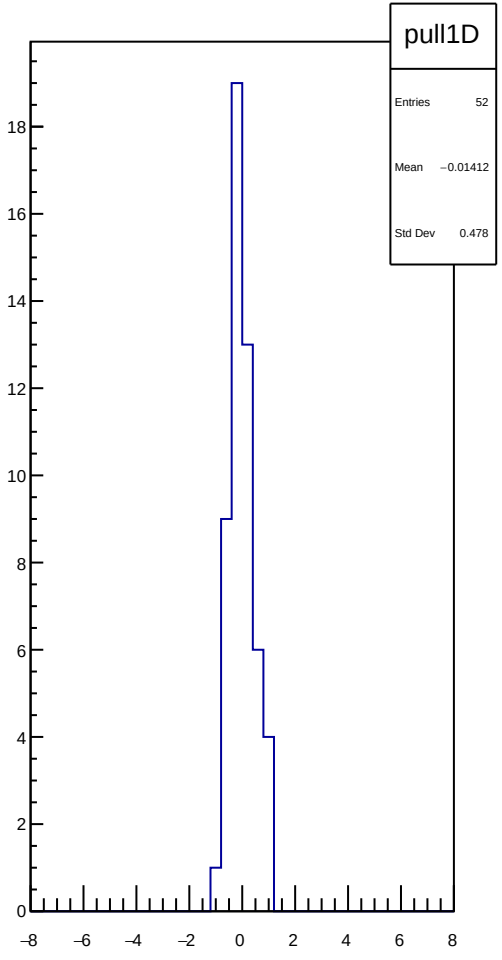

reg_asym_usr_diff_bpm1X_slope vs run
χ² / ndf 13.85 / 51
p0 −78.32 ± 3.232
pull
Entries 52
Mean −125.9
Std Dev 0

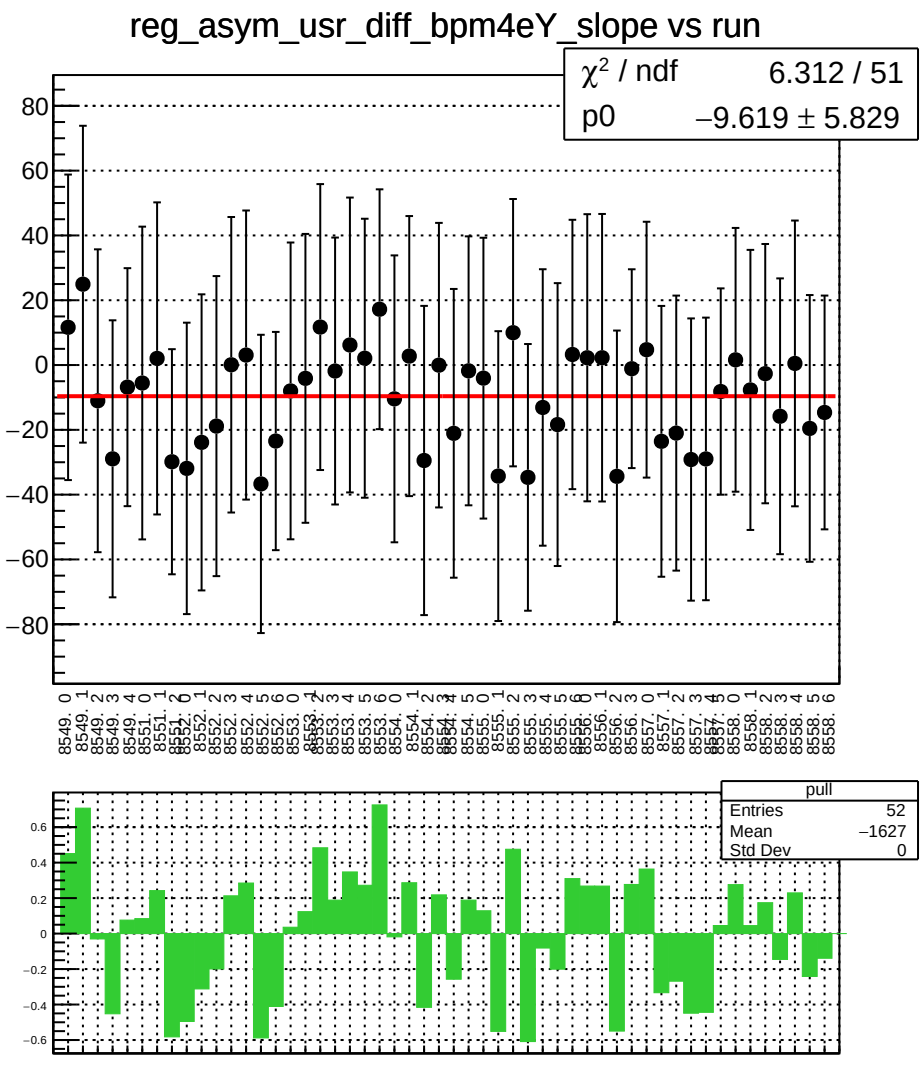

pull1D
Entries 52
Mean 0.03246
Std Dev 0.5151

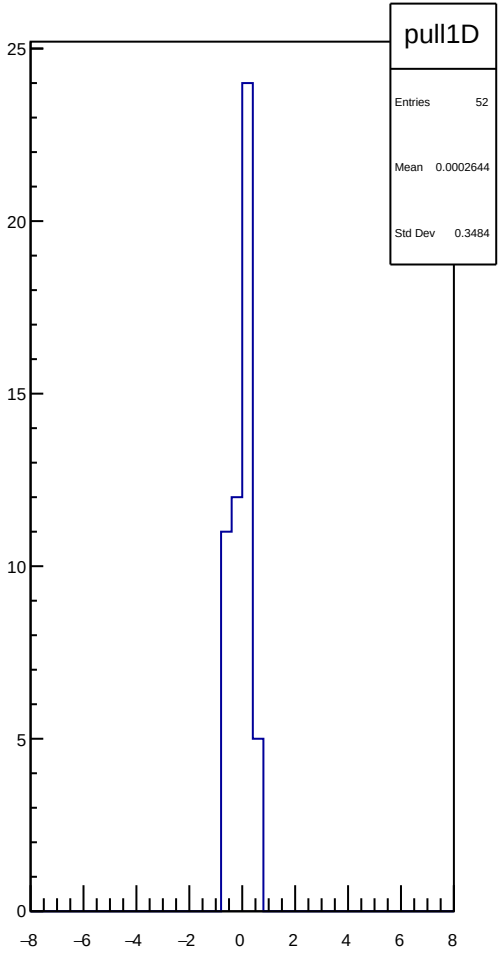

reg_asym_usr_diff_bpm4aY_slope vs run
χ² / ndf 6.468 / 51
p0 25.12 ± 5.498
pull
Entries 52
Mean −711.1
Std Dev 0

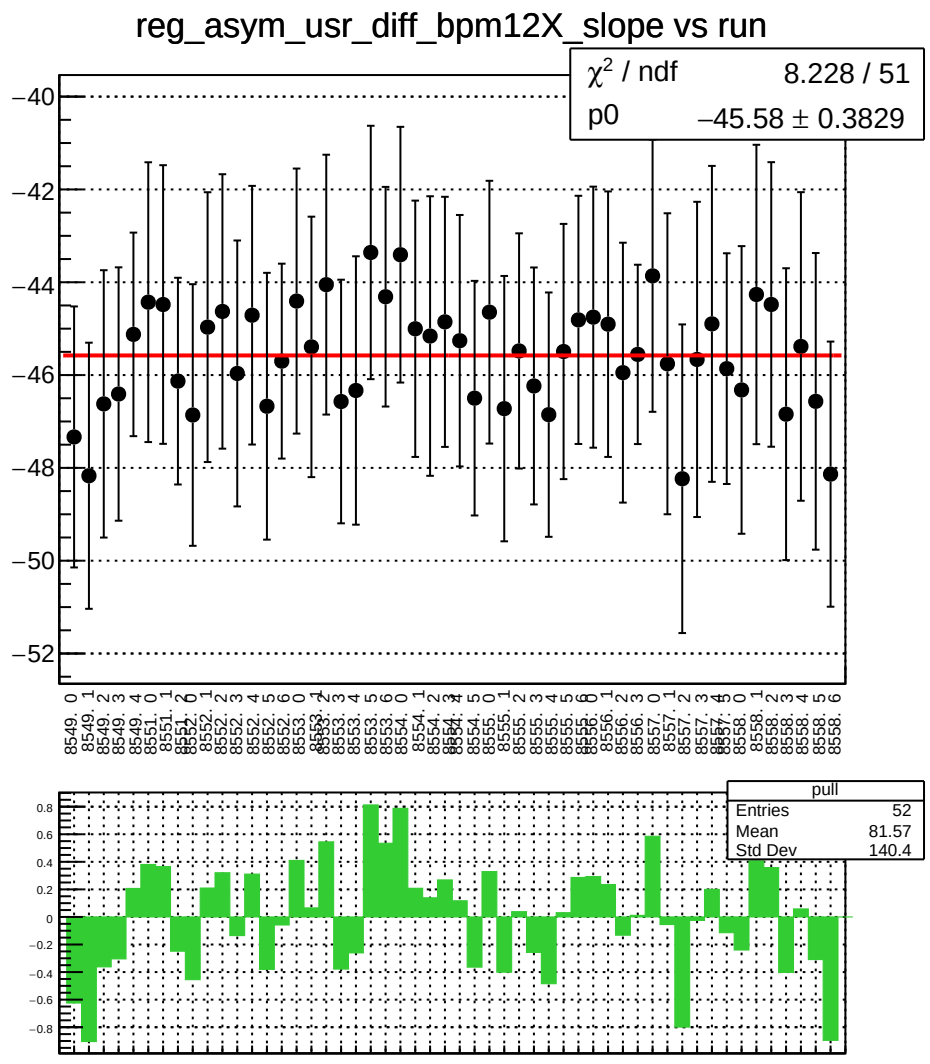

pull1D
Entries 52
Mean −0.000393
Std Dev 0.3527

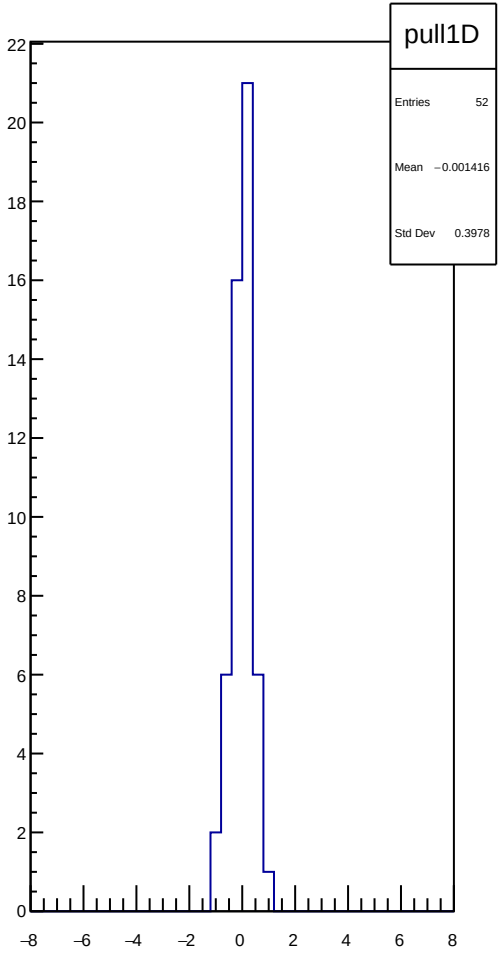

reg_asym_usr_diff_bpm4eX_slope vs run
χ^2 / ndf 11.89 / 51
p0 122.5 ± 3.529
pull
Entries 52
Mean −277.4
Std Dev 0

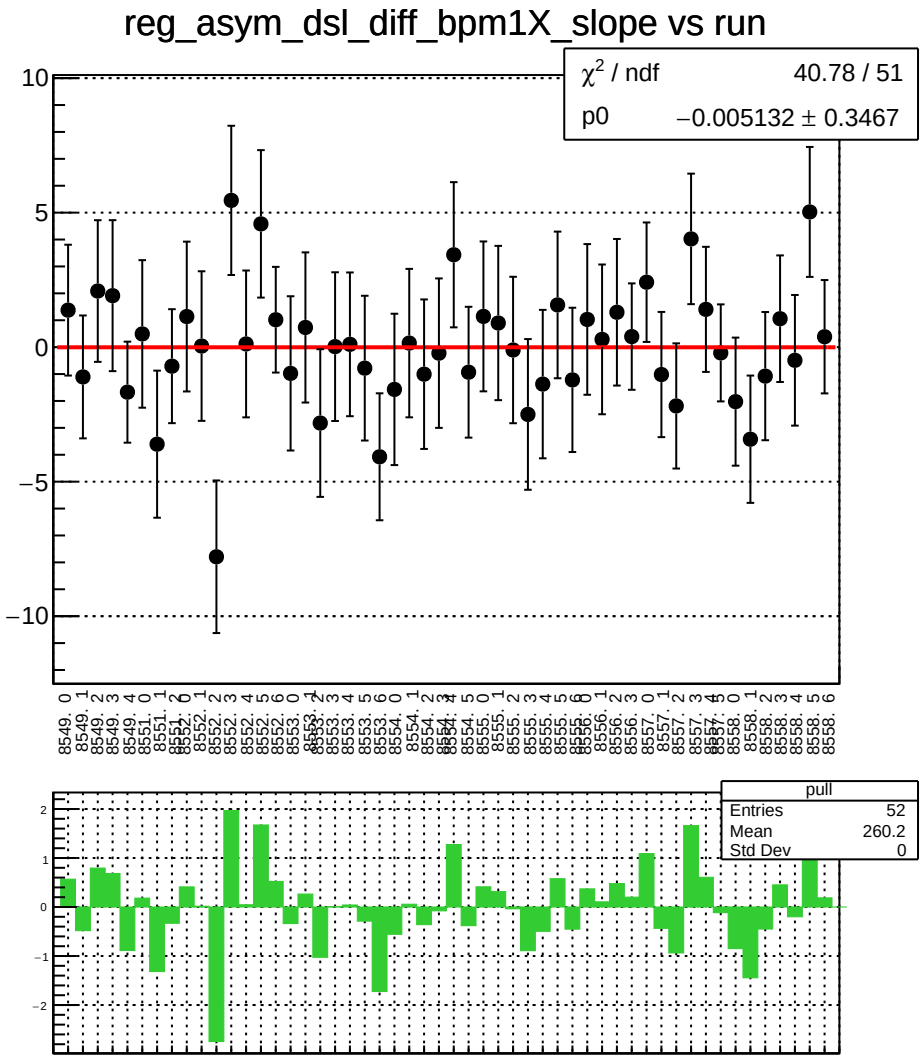

pull1D
Entries 52
Mean −0.01412
Std Dev 0.478

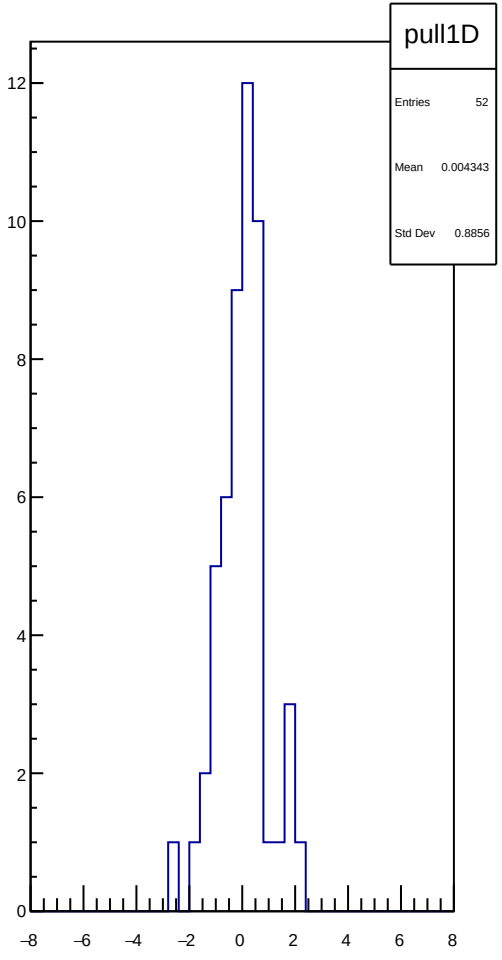

reg_asym_usr_diff_bpm4eY_slope vs run
χ² / ndf 6.312 / 51
p0 −9.619 ± 5.829
pull
Entries 52
Mean −1627
Std Dev 0

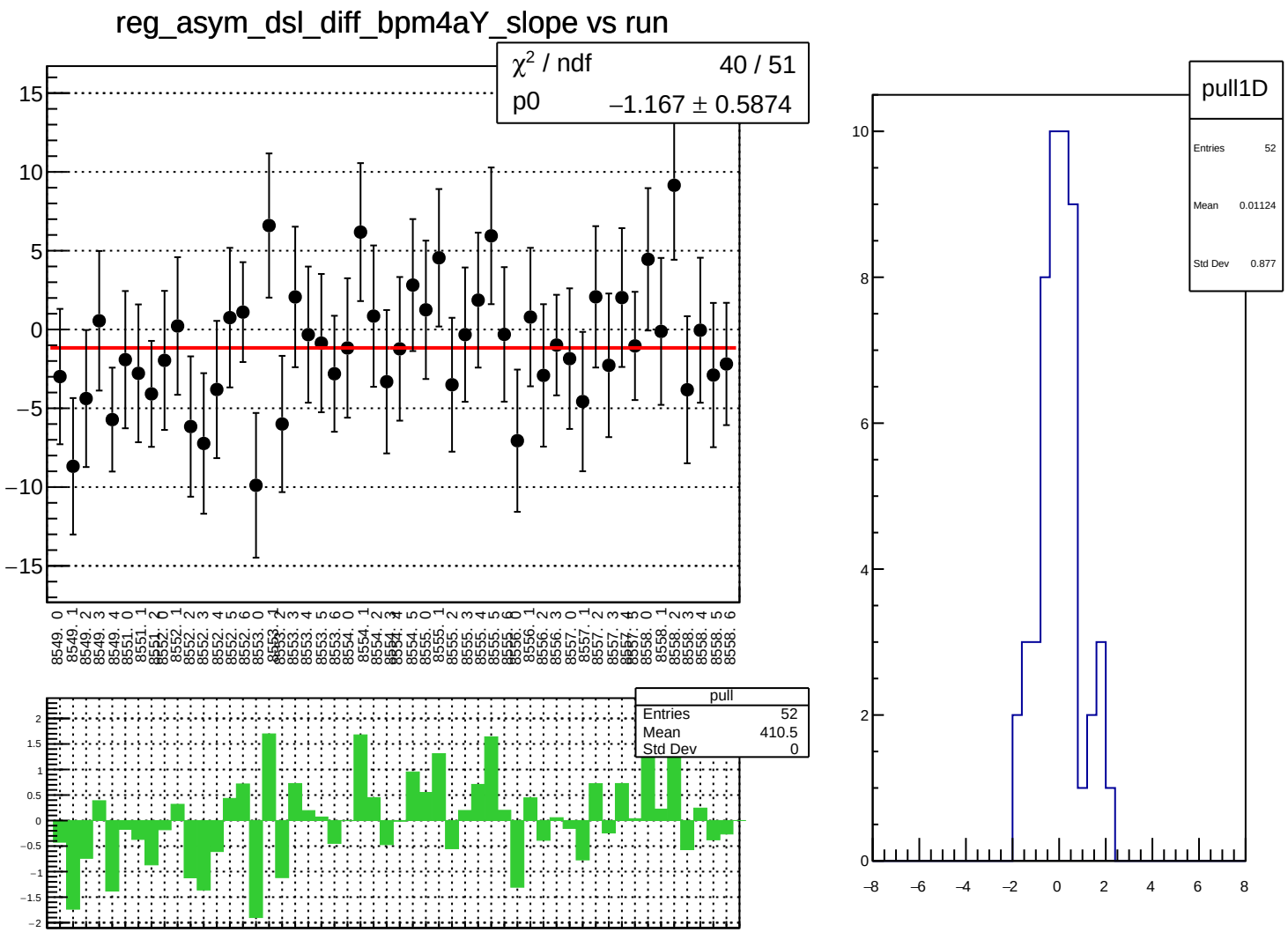

pull1D
Entries 52
Mean 0.0002644
Std Dev 0.3484

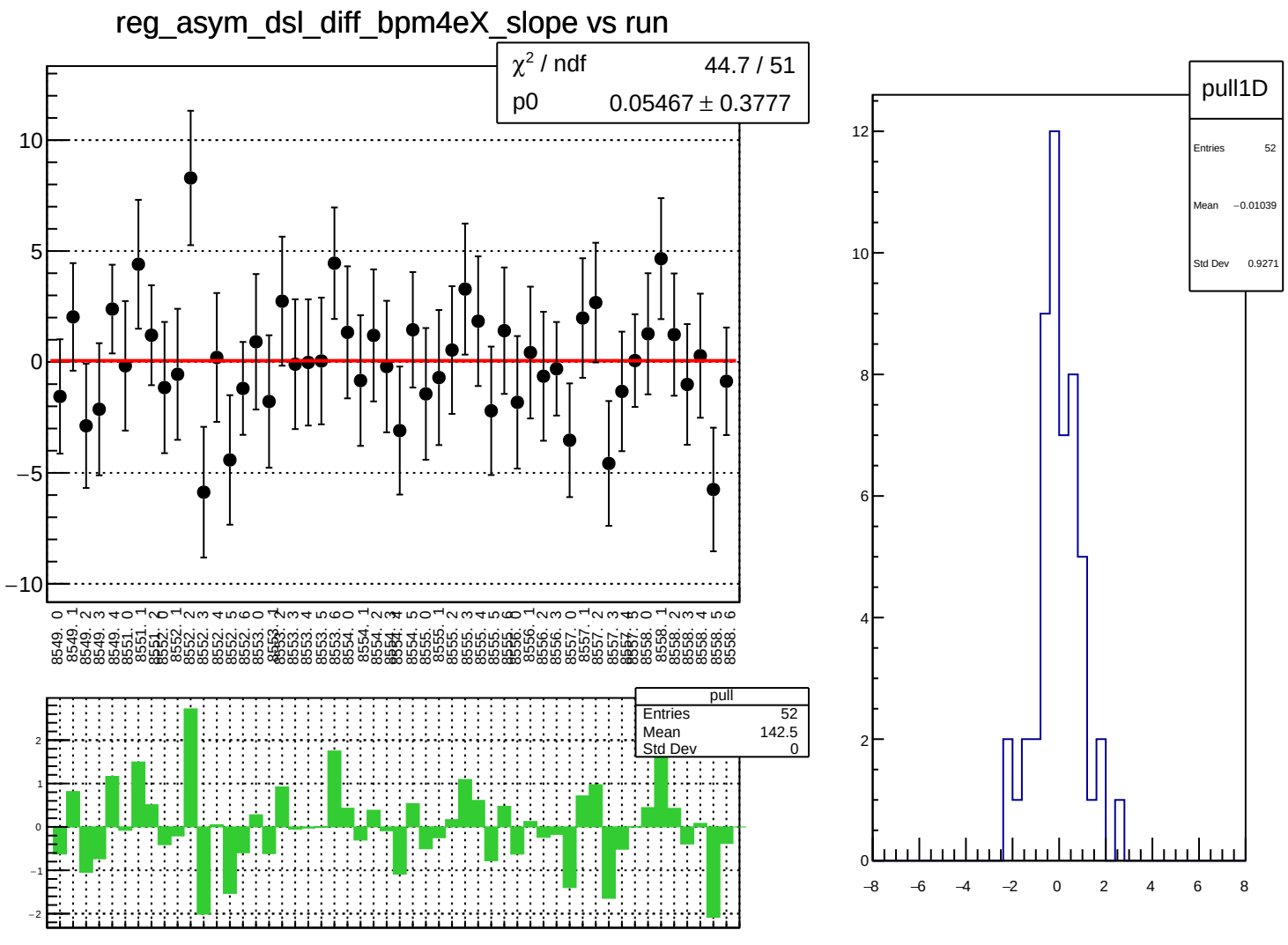

reg_asym_usr_diff_bpm12X_slope vs run
χ² / ndf 8.228 / 51
p0 −45.58 ± 0.3829
pull
Entries 52
Mean 81.57
Std Dev 140.4

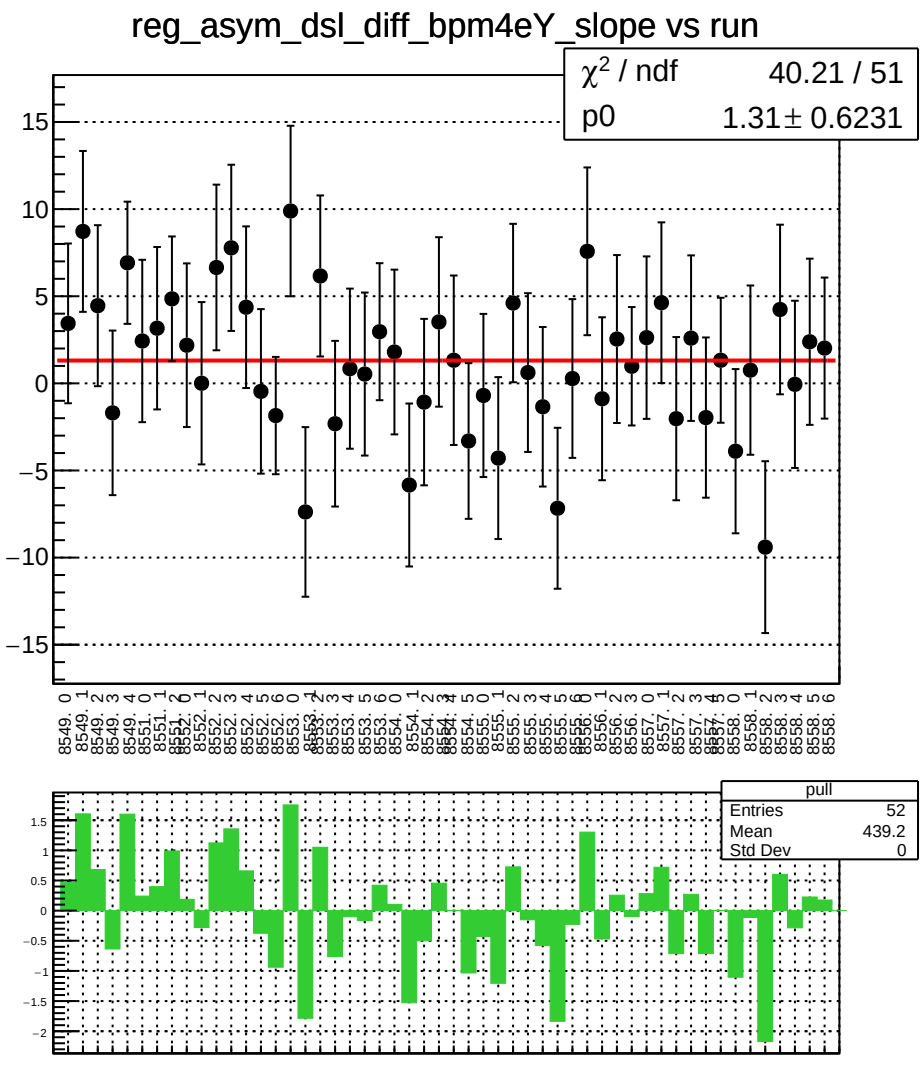

pull1D
Entries 52
Mean −0.001416
Std Dev 0.3978

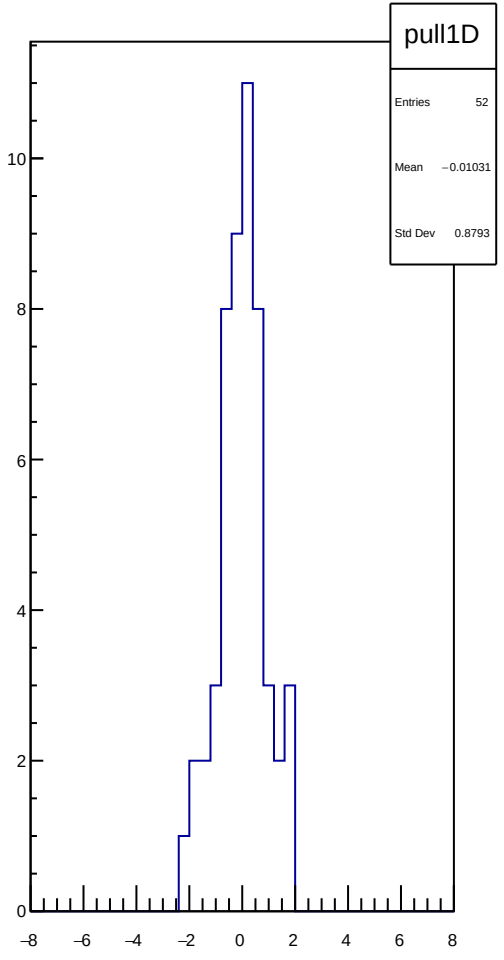

reg_asym_dsl_diff_bpm1X_slope vs run
χ² / ndf 40.78 / 51
p0 −0.005132 ± 0.3467
pull
Entries 52
Mean 260.2
Std Dev 0

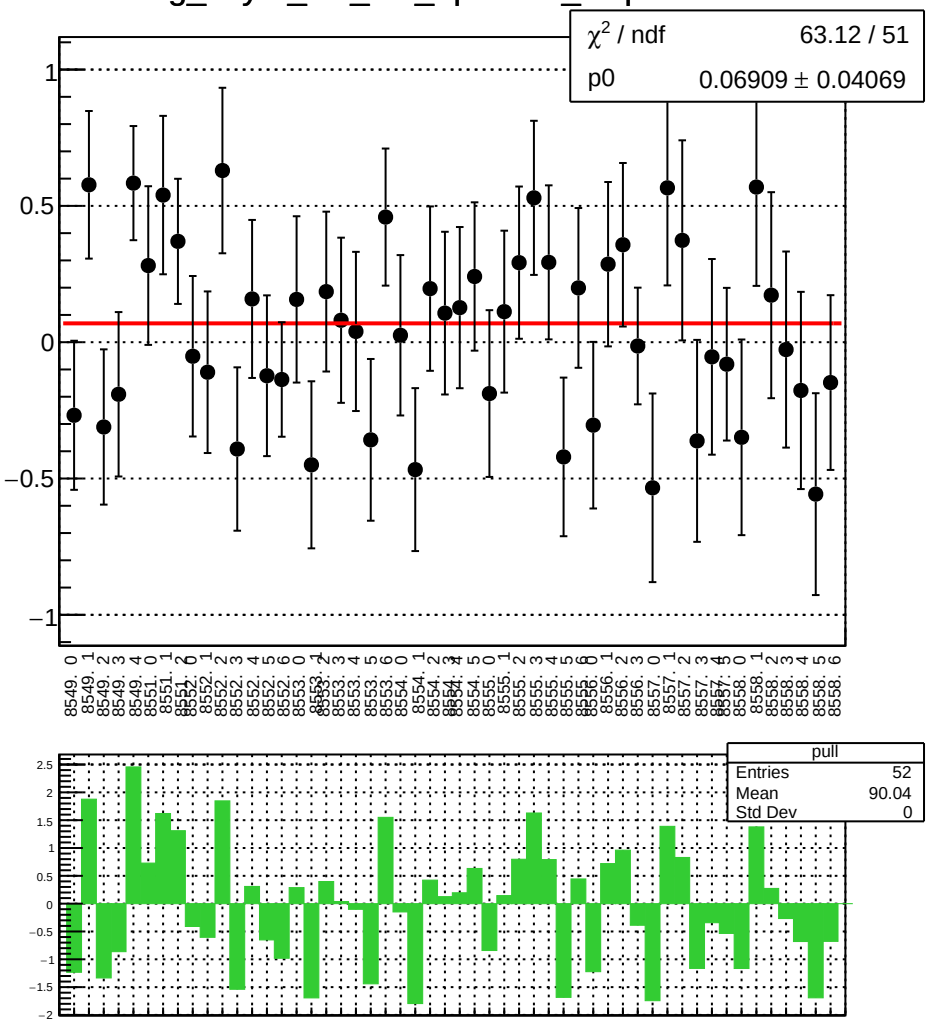

pull1D
Entries 52
Mean 0.004343
Std Dev 0.8856

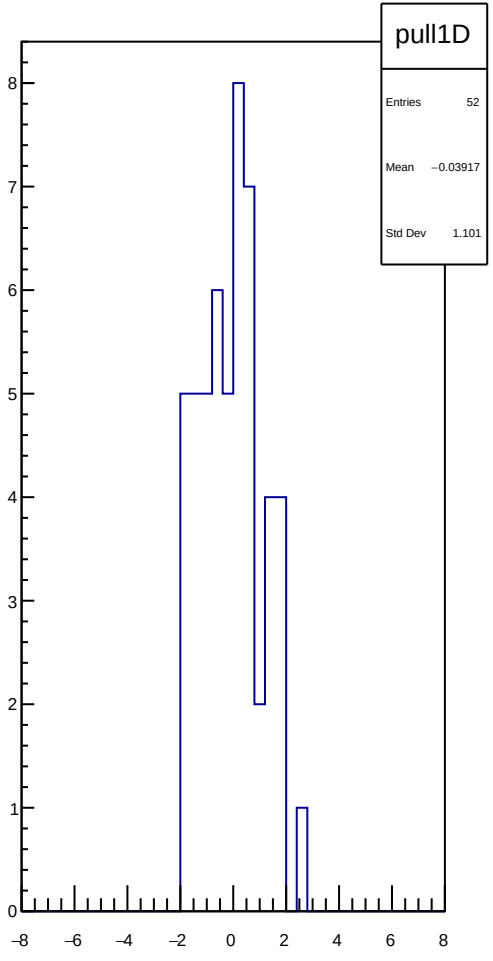

reg_asym_dsl_diff_bpm4aY_slope vs run
χ² / ndf 40 / 51
p0 −1.167 ± 0.5874
pull
Entries 52
Mean 410.5
Std Dev 0
pull1D
Entries 52
Mean 0.01124
Std Dev 0.877

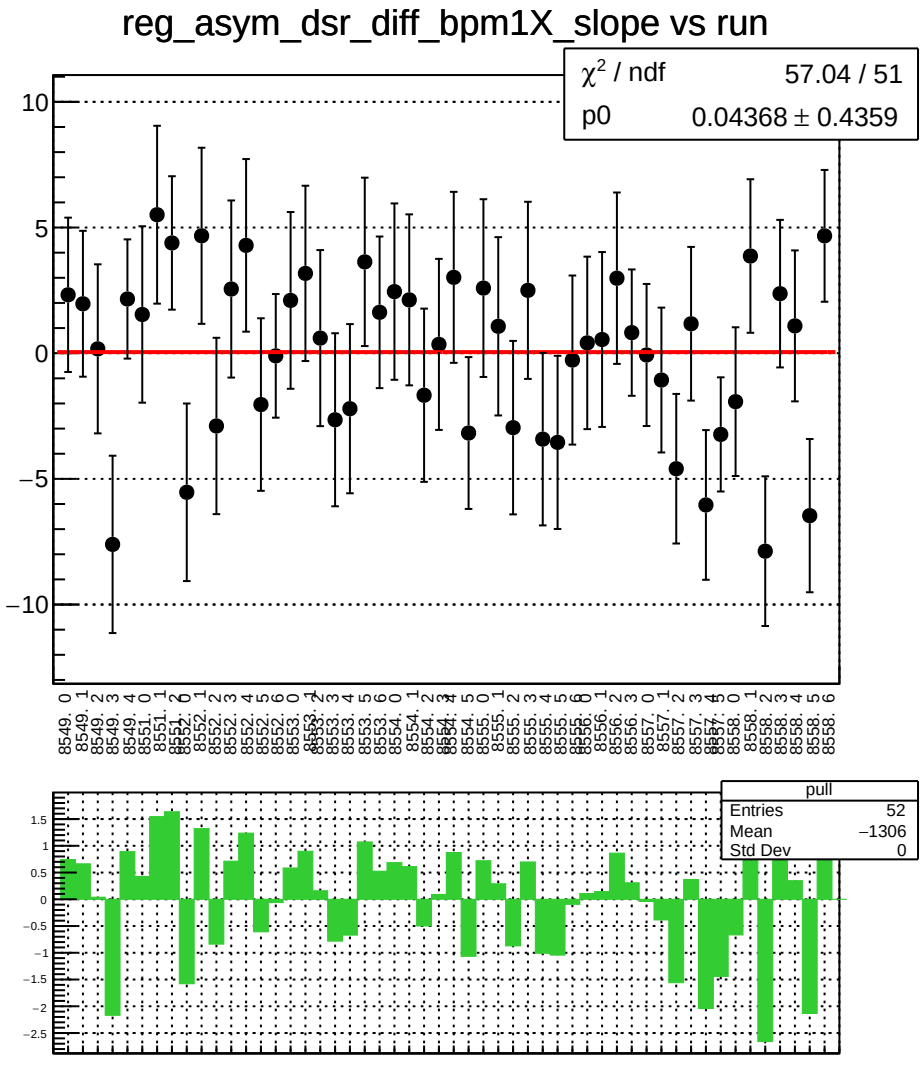

reg_asym_dsl_diff_bpm4eX_slope vs run
χ² / ndf 44.7 / 51
p0 0.05467 ± 0.3777
pull
Entries 52
Mean 142.5
Std Dev 0
pull1D
Entries 52
Mean −0.01039
Std Dev 0.9271

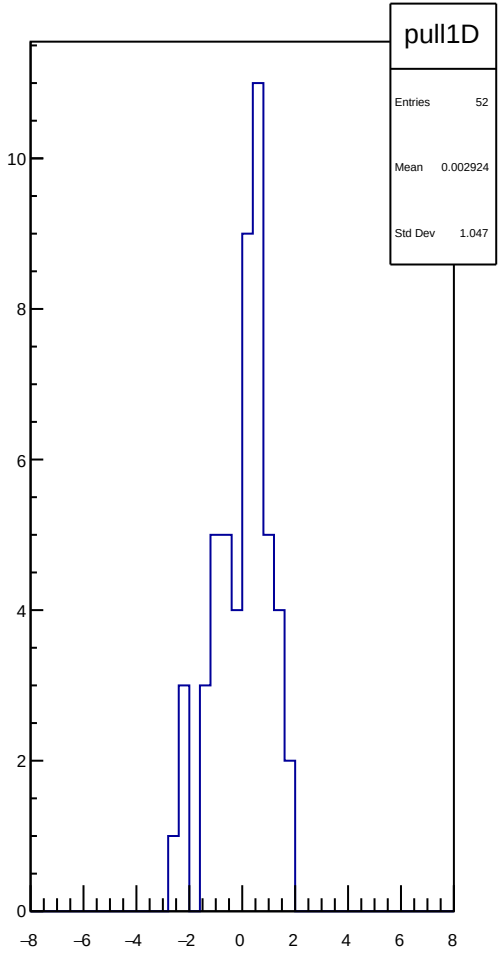

reg_asym_dsl_diff_bpm4eY_slope vs run
χ² / ndf 40.21 / 51
p0 1.31 ± 0.6231
pull
Entries 52
Mean 439.2
Std Dev 0

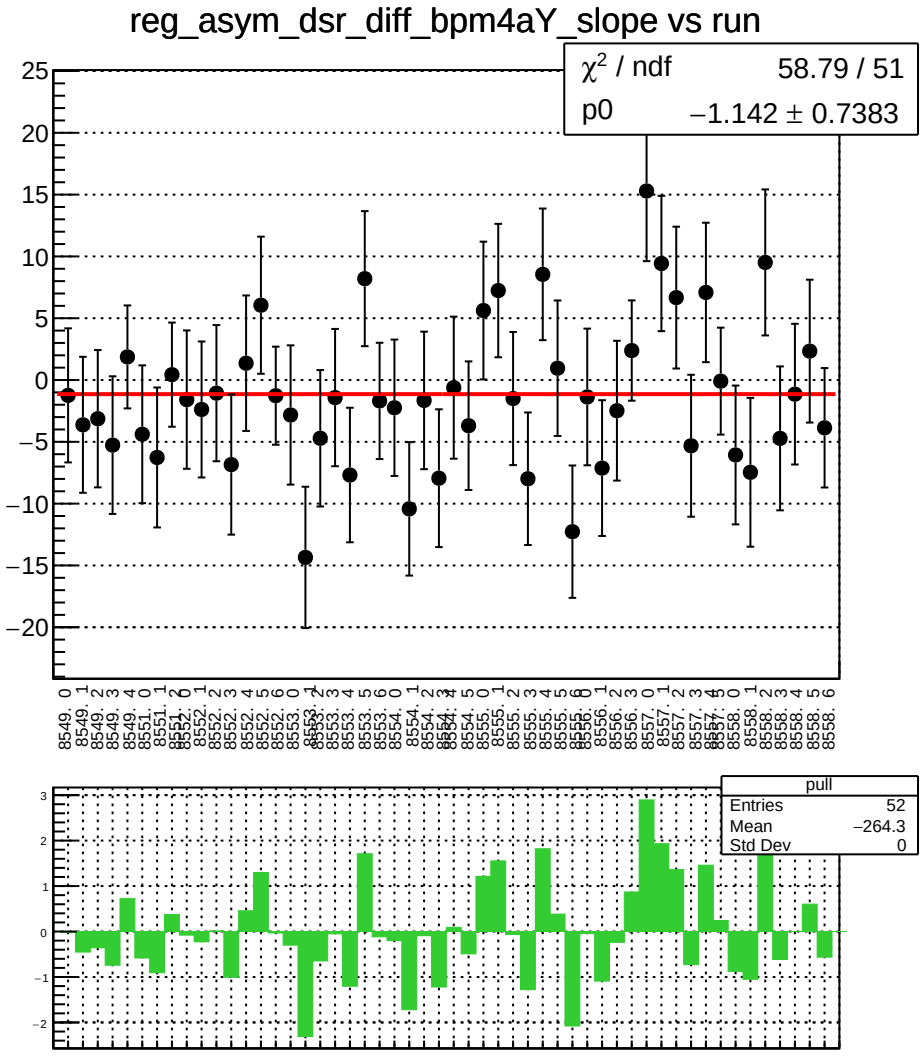

pull1D
Entries 52
Mean −0.01031
Std Dev 0.8793

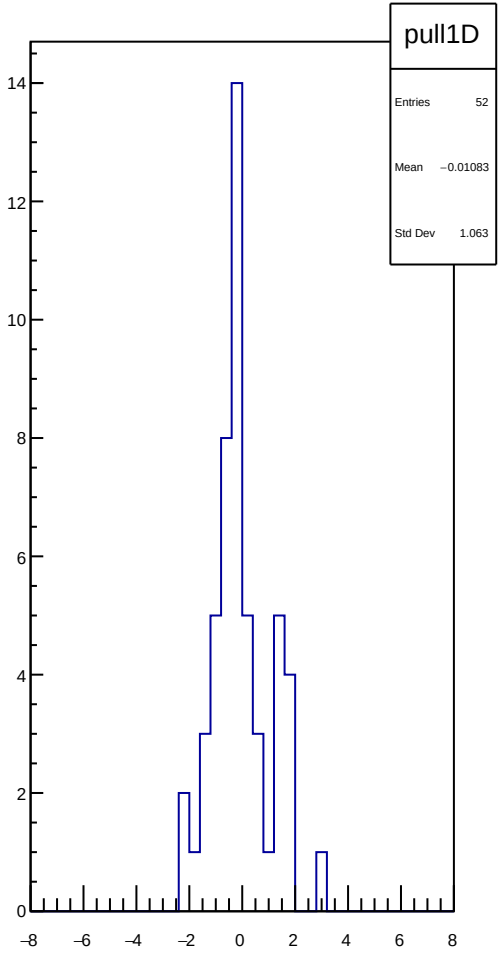

reg_asym_dsl_diff_bpm12X_slope vs run
χ² / ndf 63.12 / 51
p0 0.06909 ± 0.04069
pull
Entries 52
Mean 90.04
Std Dev 0

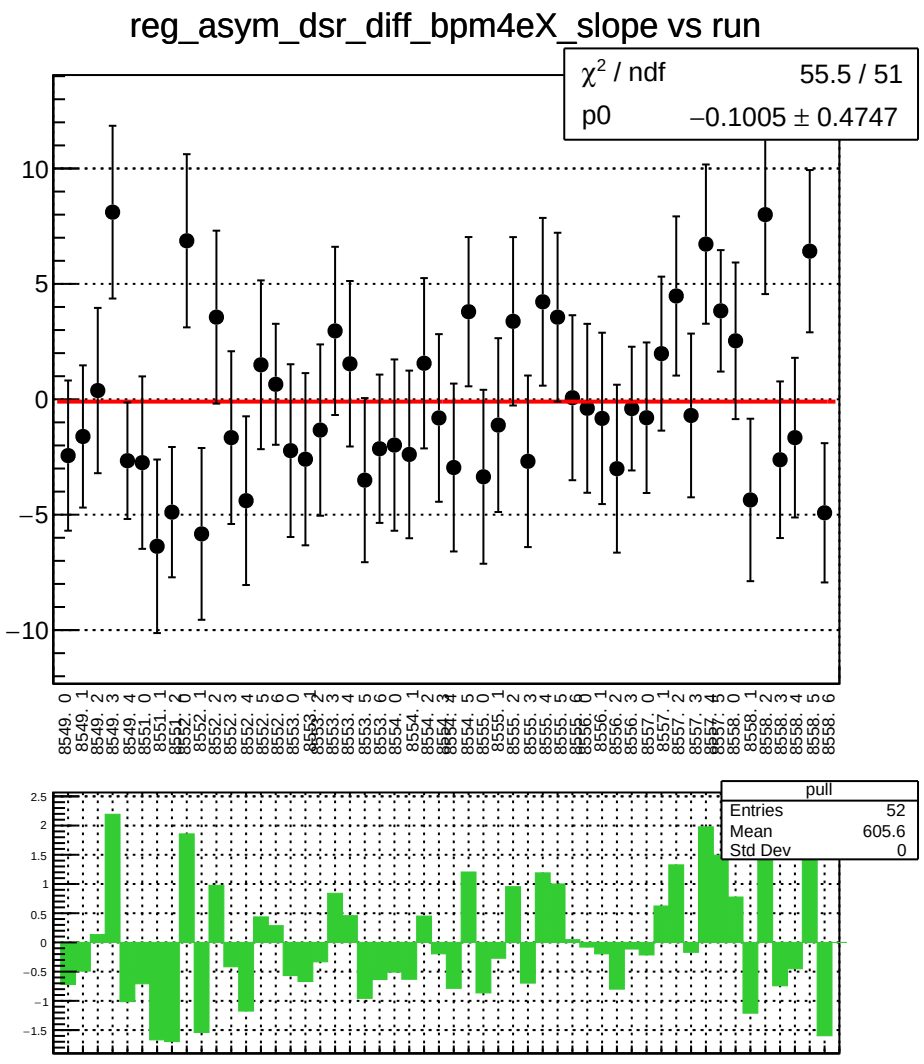

pull1D
Entries 52
Mean −0.03917
Std Dev 1.101

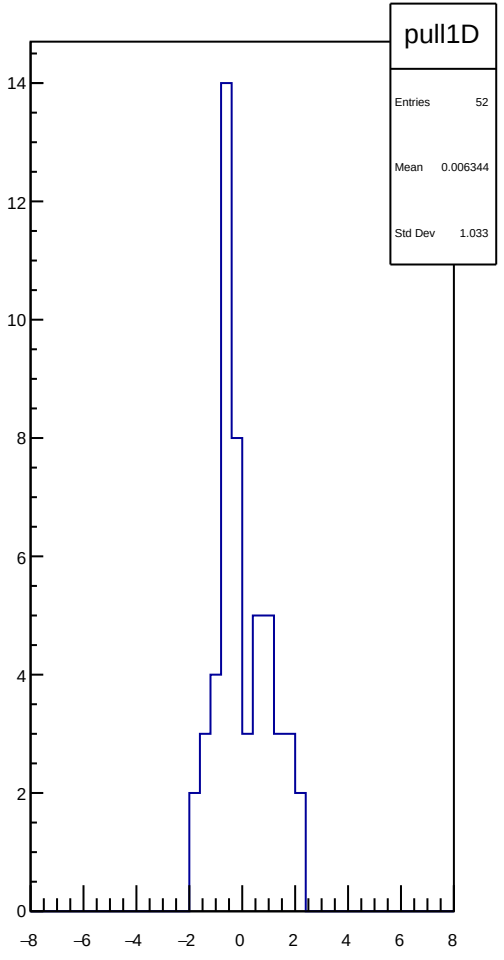

reg_asym_dsr_diff_bpm1X_slope vs run
χ² / ndf 57.04 / 51
p0 0.04368 ± 0.4359
pull
Entries 52
Mean −1306
Std Dev 0

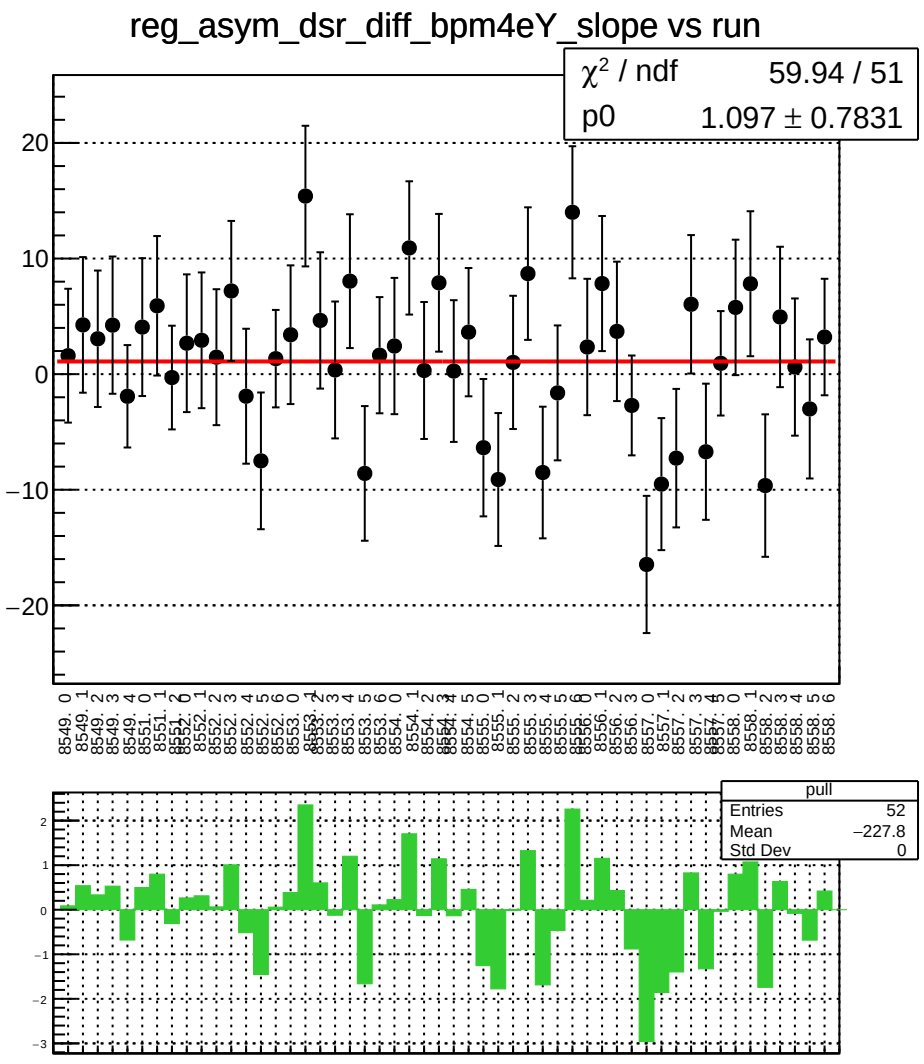

pull1D
Entries 52
Mean 0.002924
Std Dev 1.047

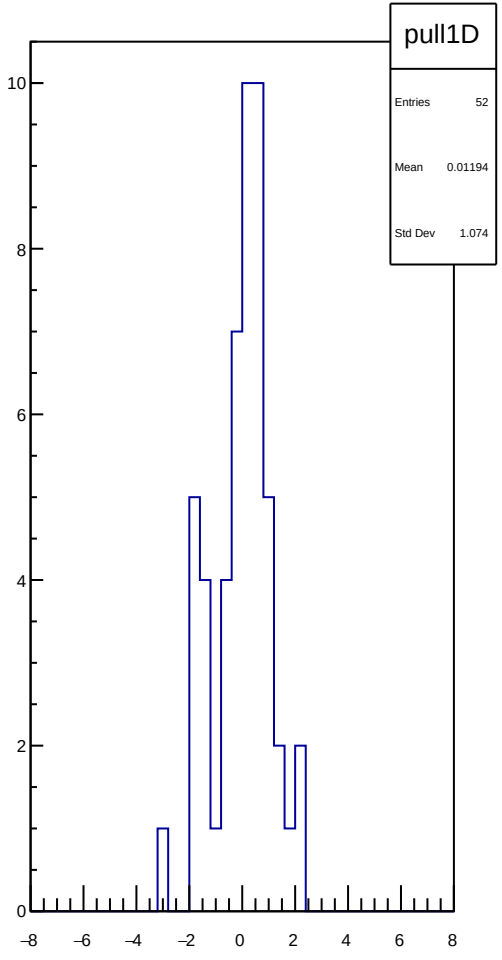

reg_asym_dsr_diff_bpm4aY_slope vs run
χ² / ndf 58.79 / 51
p0 −1.142 ± 0.7383
pull
Entries 52
Mean −264.3
Std Dev 0

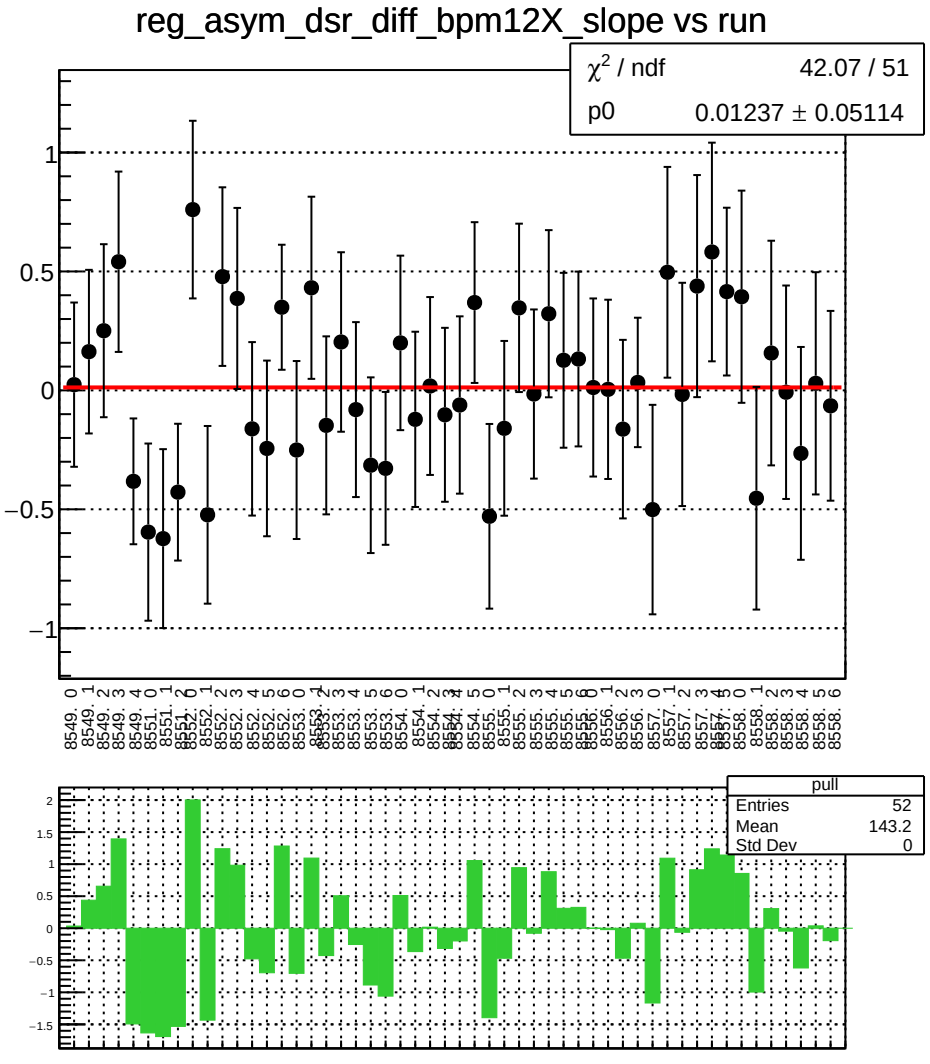

pull1D
Entries 52
Mean −0.01083
Std Dev 1.063

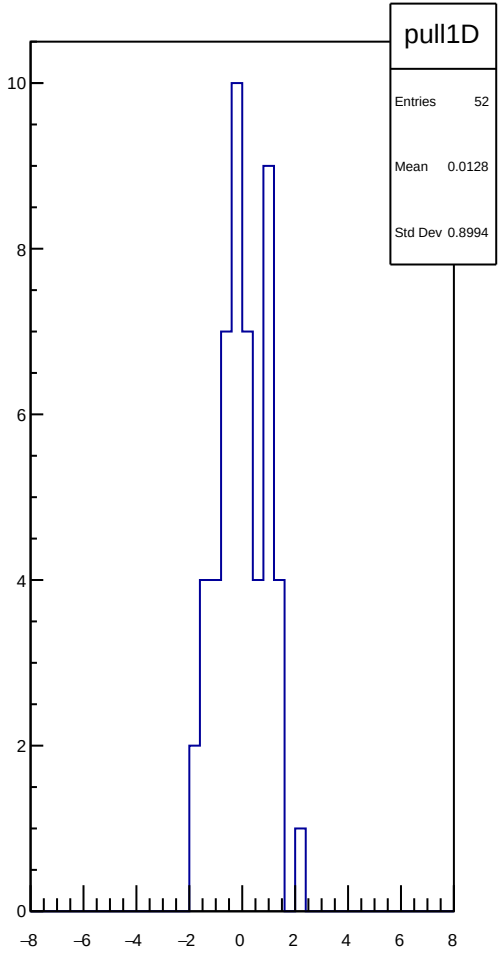

reg_asym_dsr_diff_bpm4eX_slope vs run
χ² / ndf 55.5 / 51
p0 −0.1005 ± 0.4747
pull
Entries 52
Mean 605.6
Std Dev 0

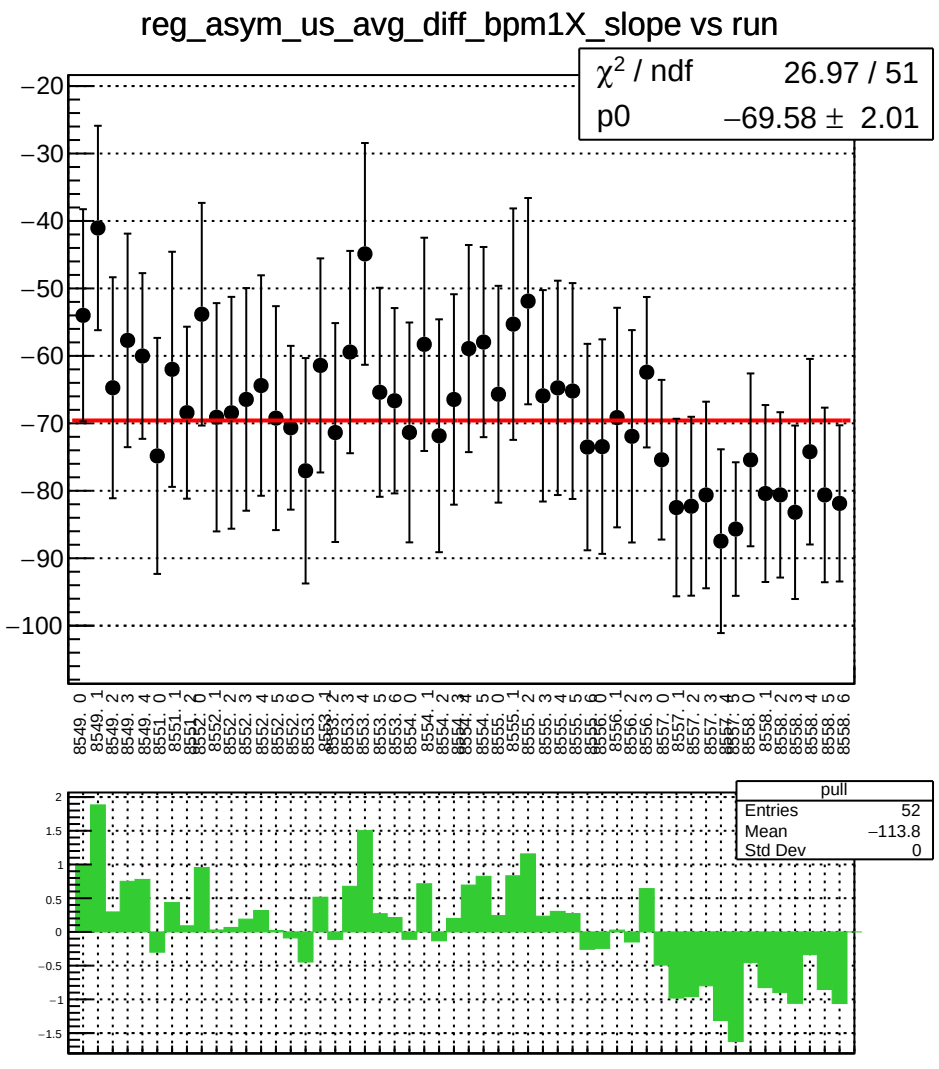

pull1D
Entries 52
Mean 0.006344
Std Dev 1.033

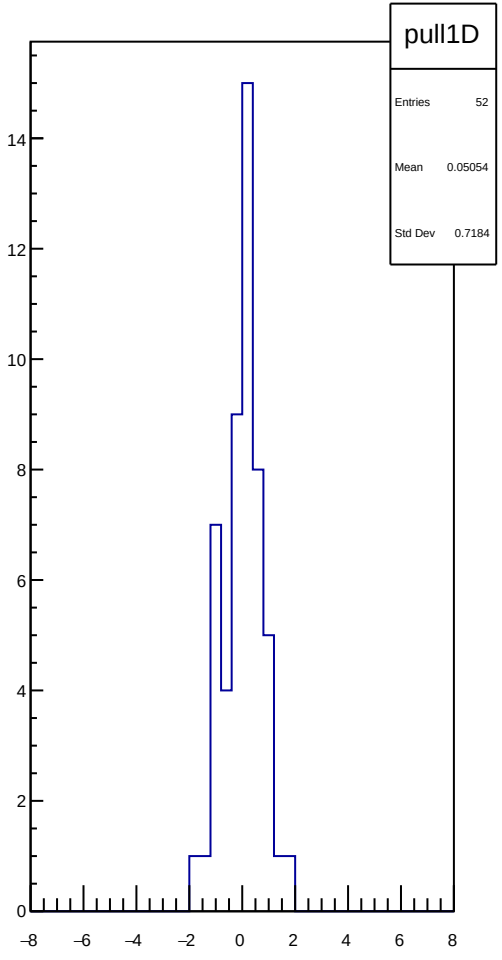

reg_asym_dsr_diff_bpm4eY_slope vs run
χ² / ndf 59.94 / 51
p0 1.097 ± 0.7831
pull
Entries 52
Mean −227.8
Std Dev 0

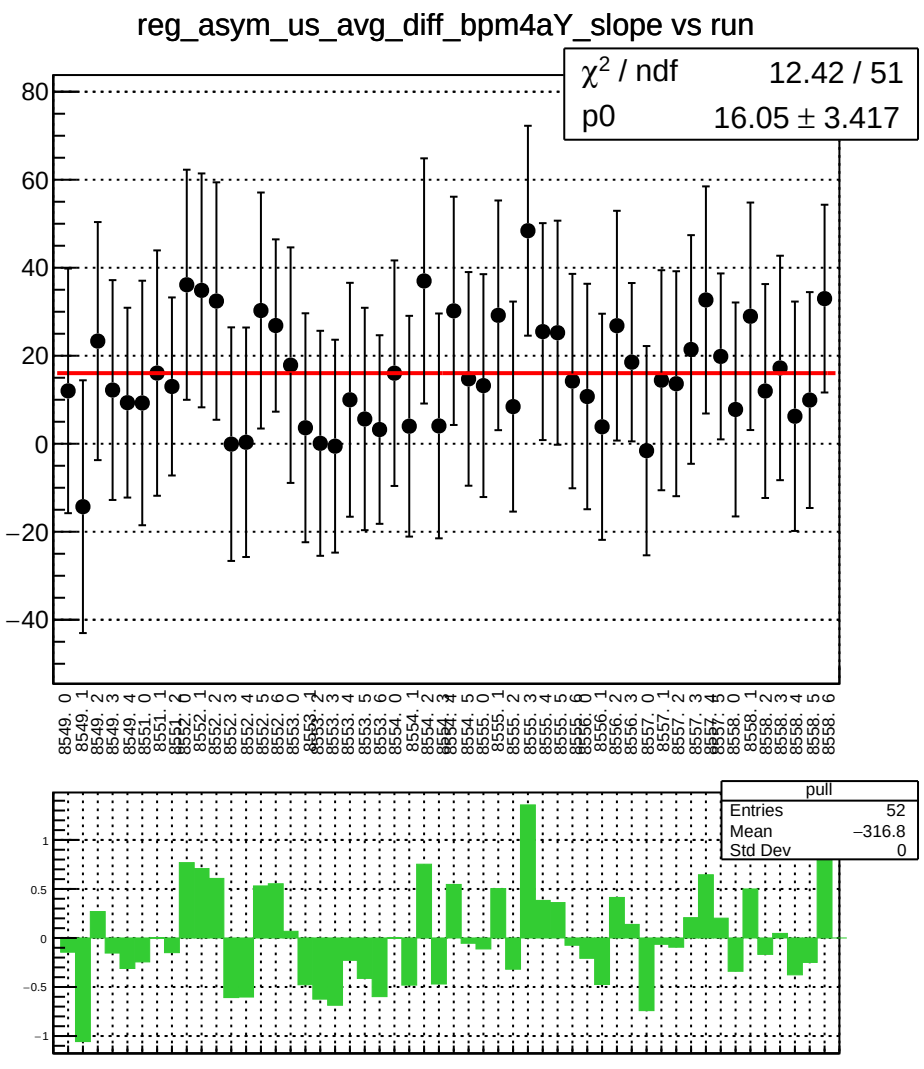

pull1D
Entries 52
Mean 0.01194
Std Dev 1.074

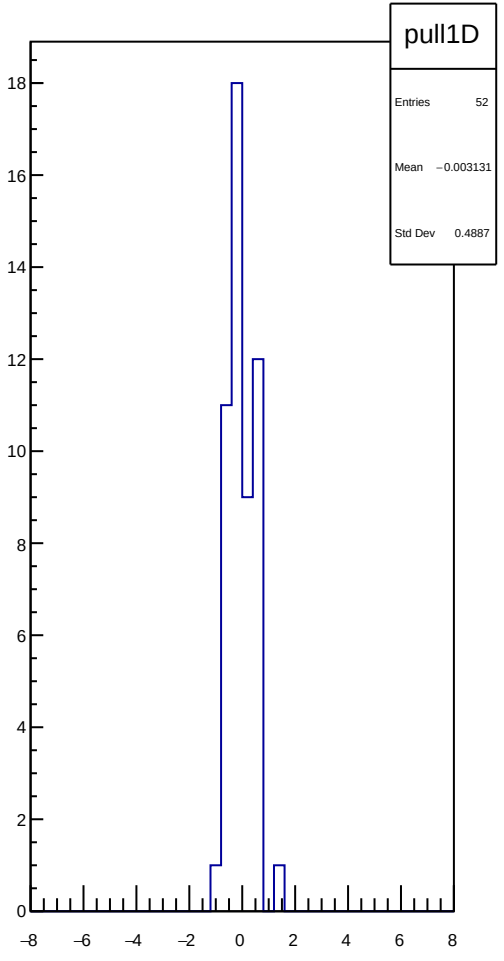

reg_asym_dsr_diff_bpm12X_slope vs run
χ² / ndf 42.07 / 51
p0 0.01237 ± 0.05114
pull
Entries 52
Mean 143.2
Std Dev 0

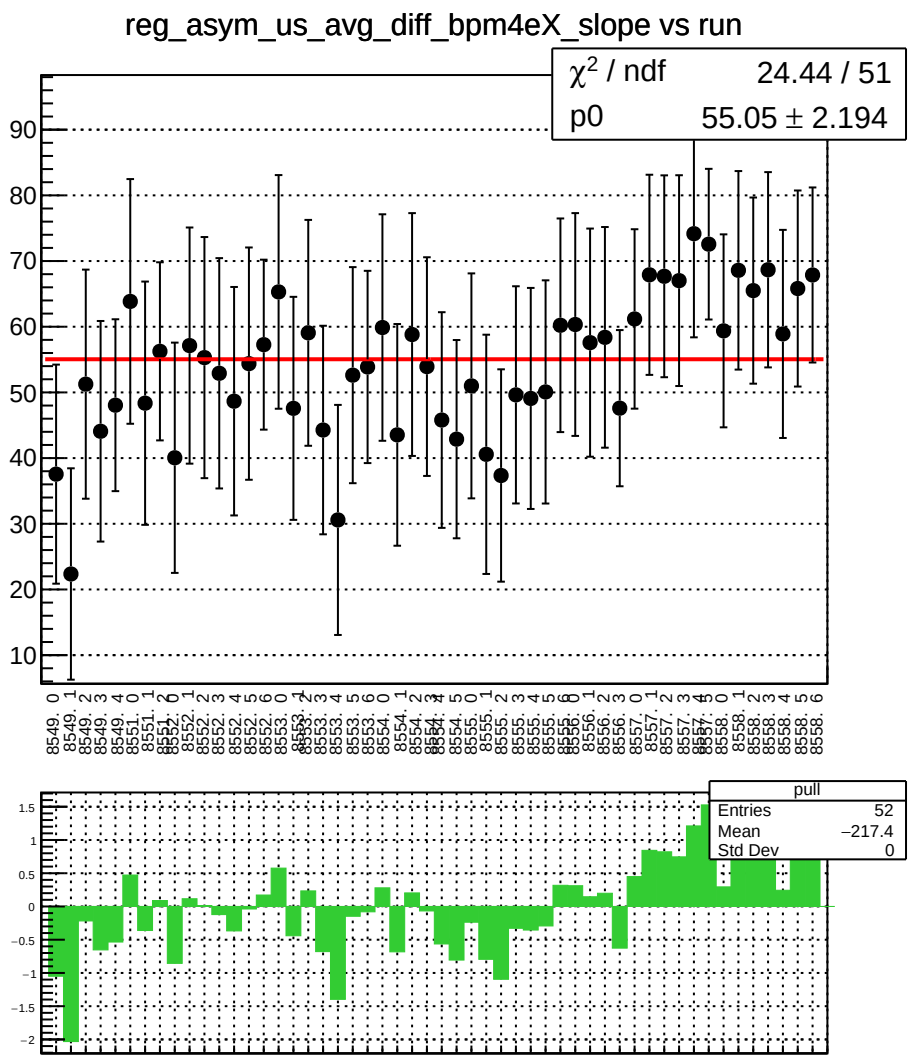

pull1D
Entries 52
Mean 0.0128
Std Dev 0.8994

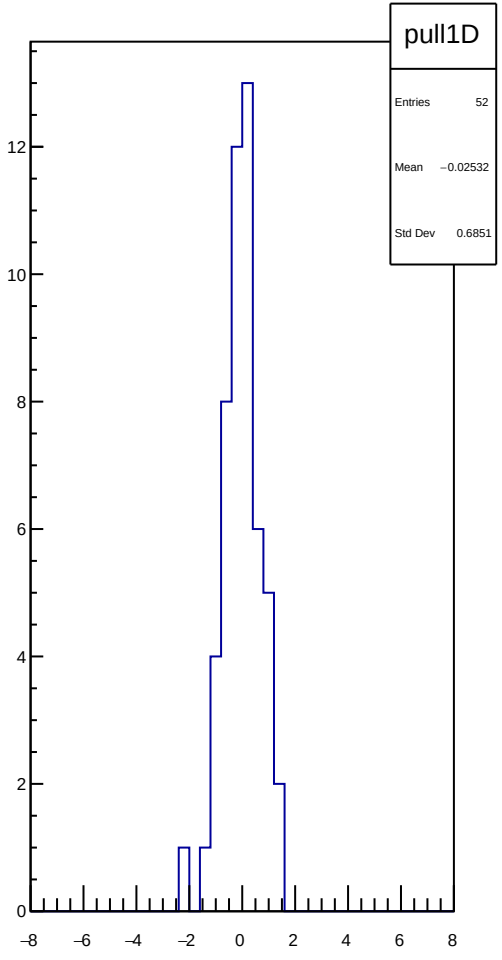

reg_asym_us_avg_diff_bpm1X_slope vs run
χ² / ndf 26.97 / 51
p0 −69.58 ± 2.01
pull
Entries 52
Mean −113.8
Std Dev 0

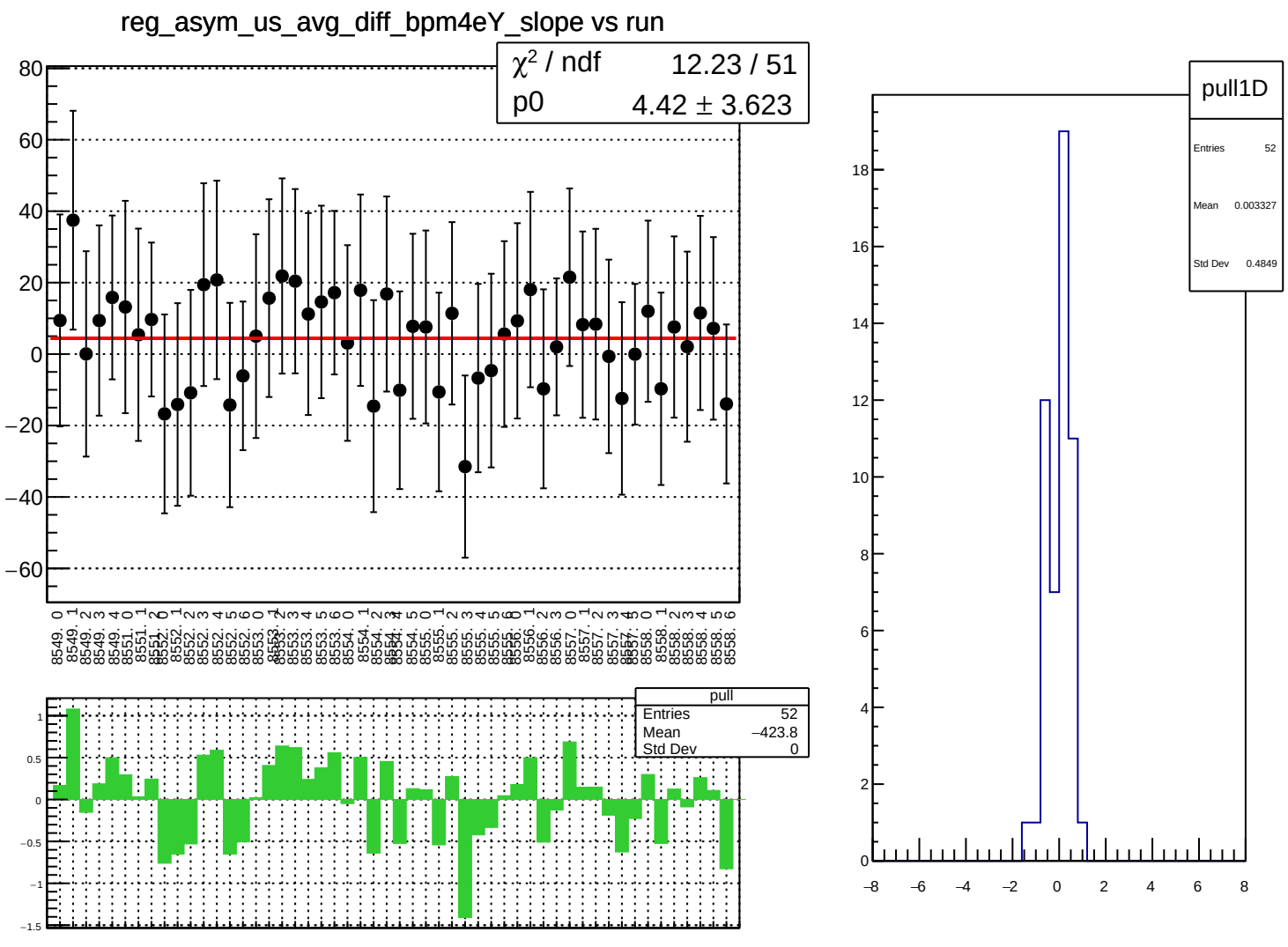

pull1D
Entries 52
Mean 0.05054
Std Dev 0.7184

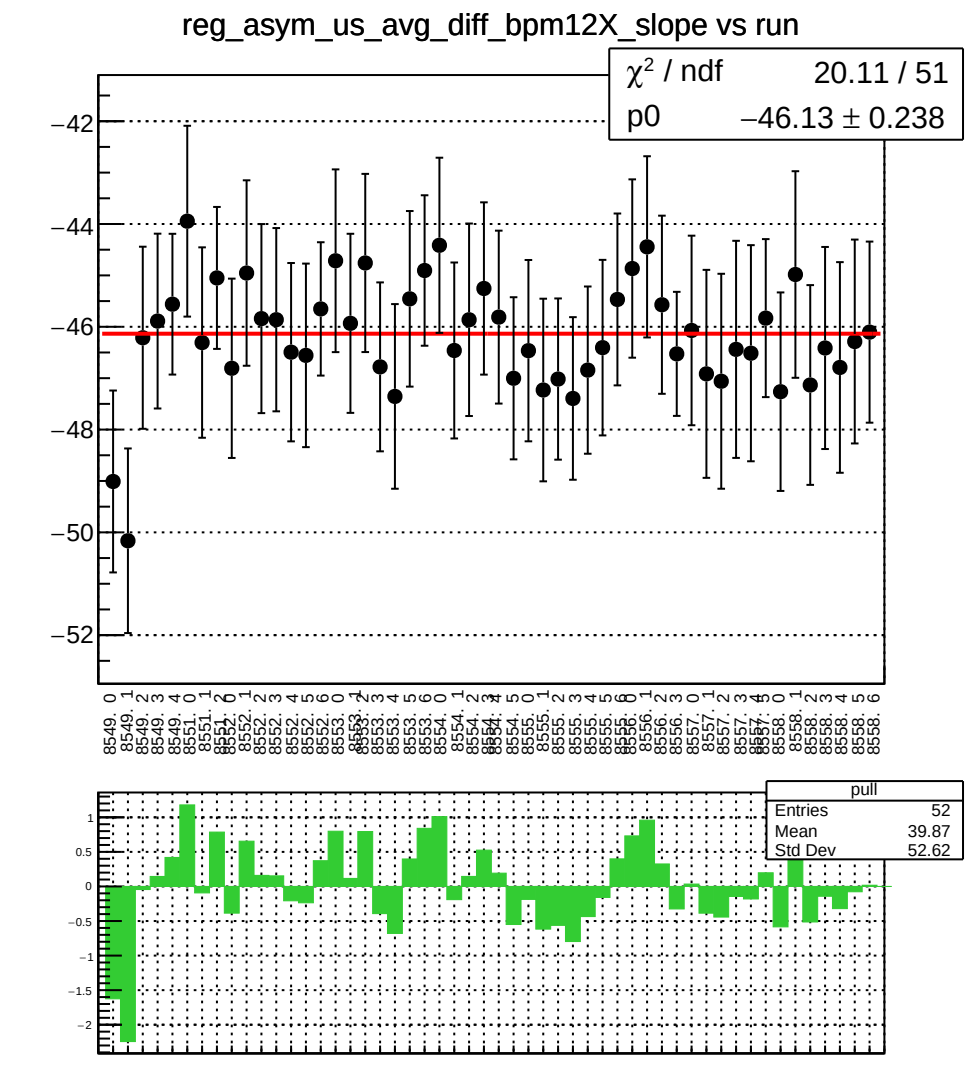

reg_asym_us_avg_diff_bpm4aY_slope vs run
χ² / ndf 12.42 / 51
p0 16.05 ± 3.417
pull
Entries 52
Mean −316.8
Std Dev 0

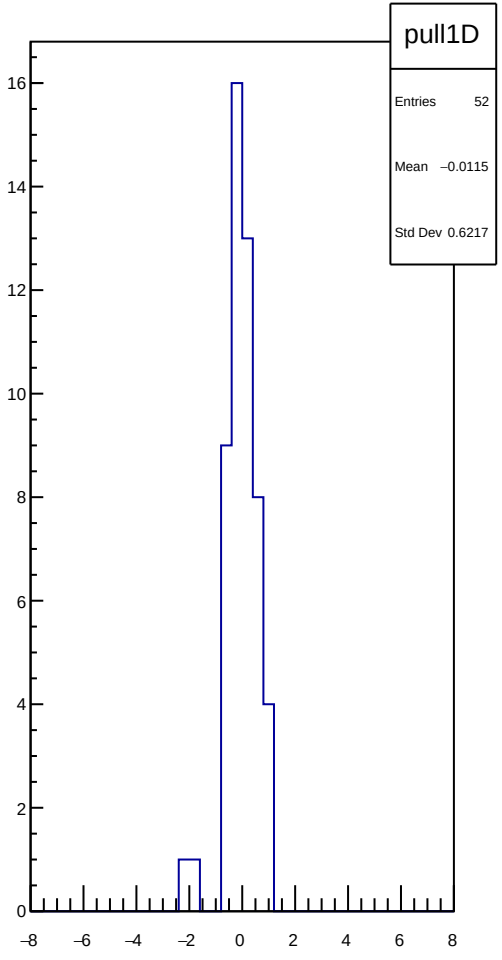

pull1D
Entries 52
Mean −0.003131
Std Dev 0.4887

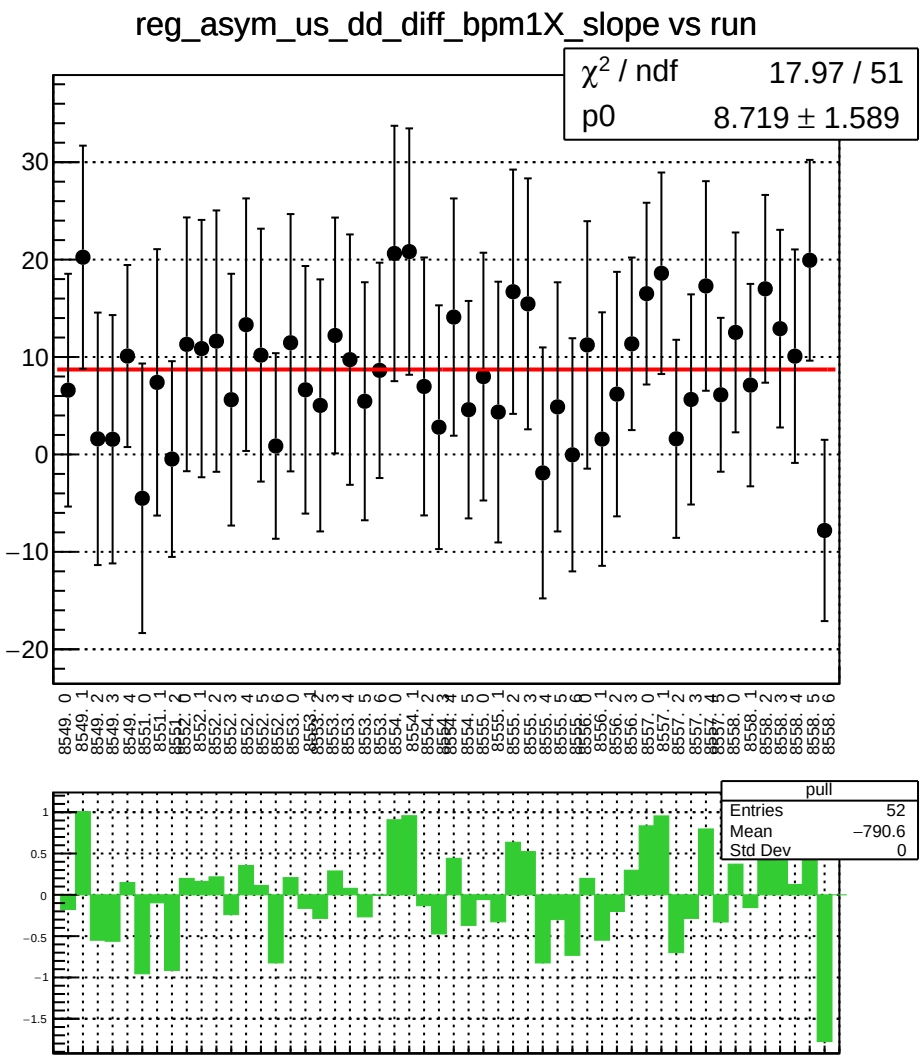

reg_asym_us_avg_diff_bpm4eX_slope vs run
χ² / ndf 24.44 / 51
p0 55.05 ± 2.194
pull
Entries 52
Mean −217.4
Std Dev 0

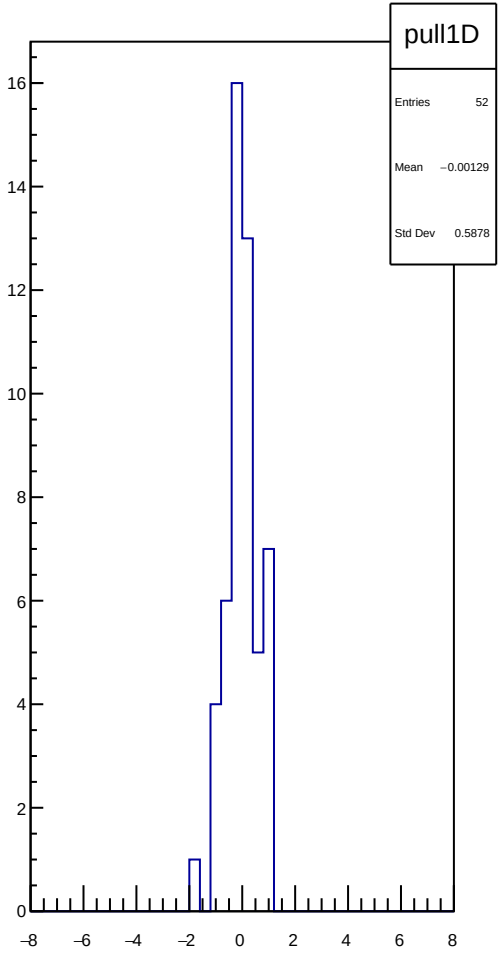

pull1D
Entries 52
Mean −0.02532
Std Dev 0.6851

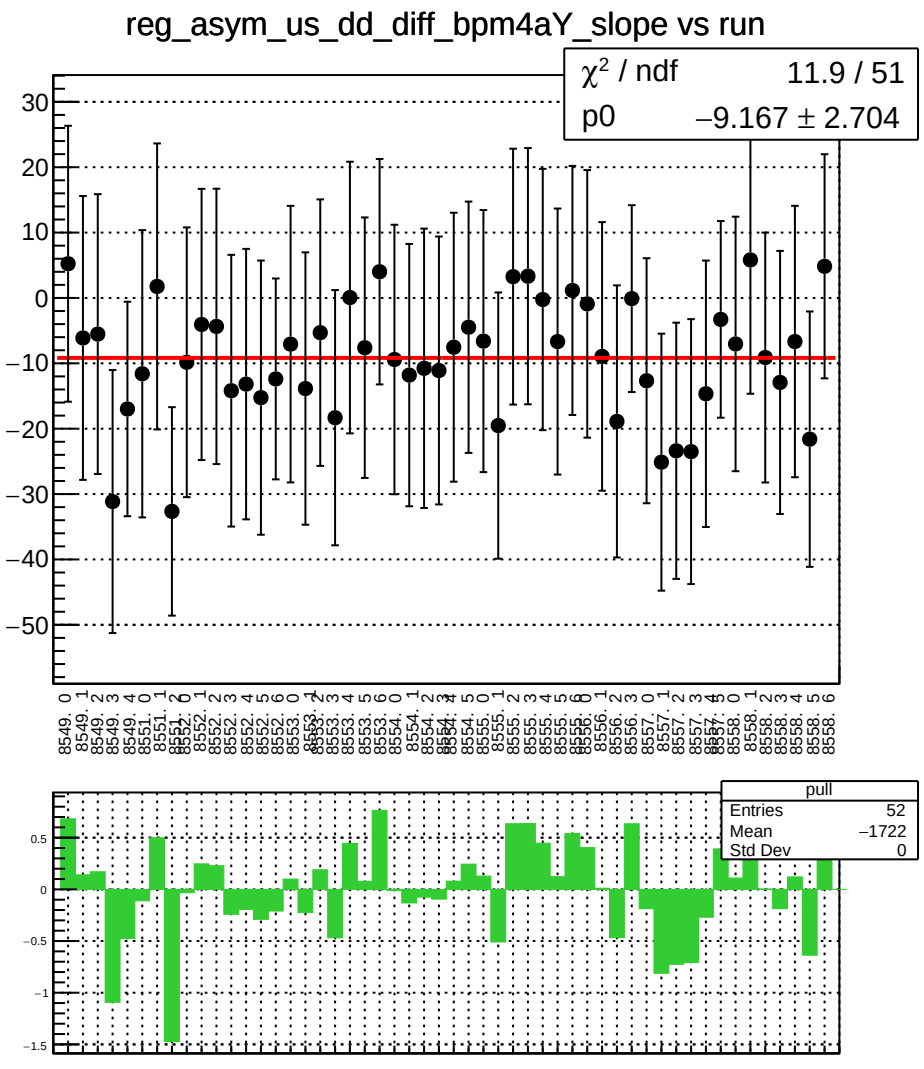

reg_asym_us_avg_diff_bpm4eY_slope vs run
χ² / ndf 12.23 / 51
p0 4.42 ± 3.623
pull
Entries 52
Mean −423.8
Std Dev 0
pull1D
Entries 52
Mean 0.003327
Std Dev 0.4849

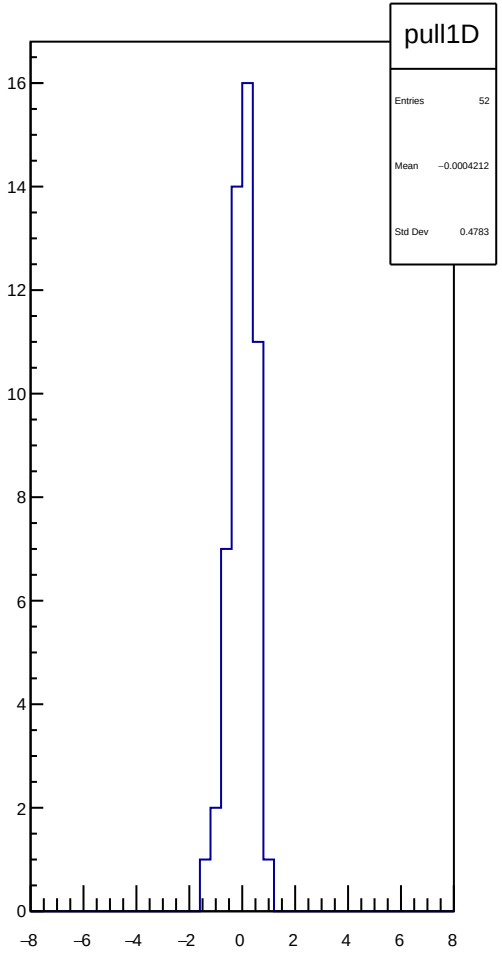

reg_asym_us_avg_diff_bpm12X_slope vs run
χ² / ndf 20.11 / 51
p0 −46.13 ± 0.238
pull
Entries 52
Mean 39.87
Std Dev 52.62

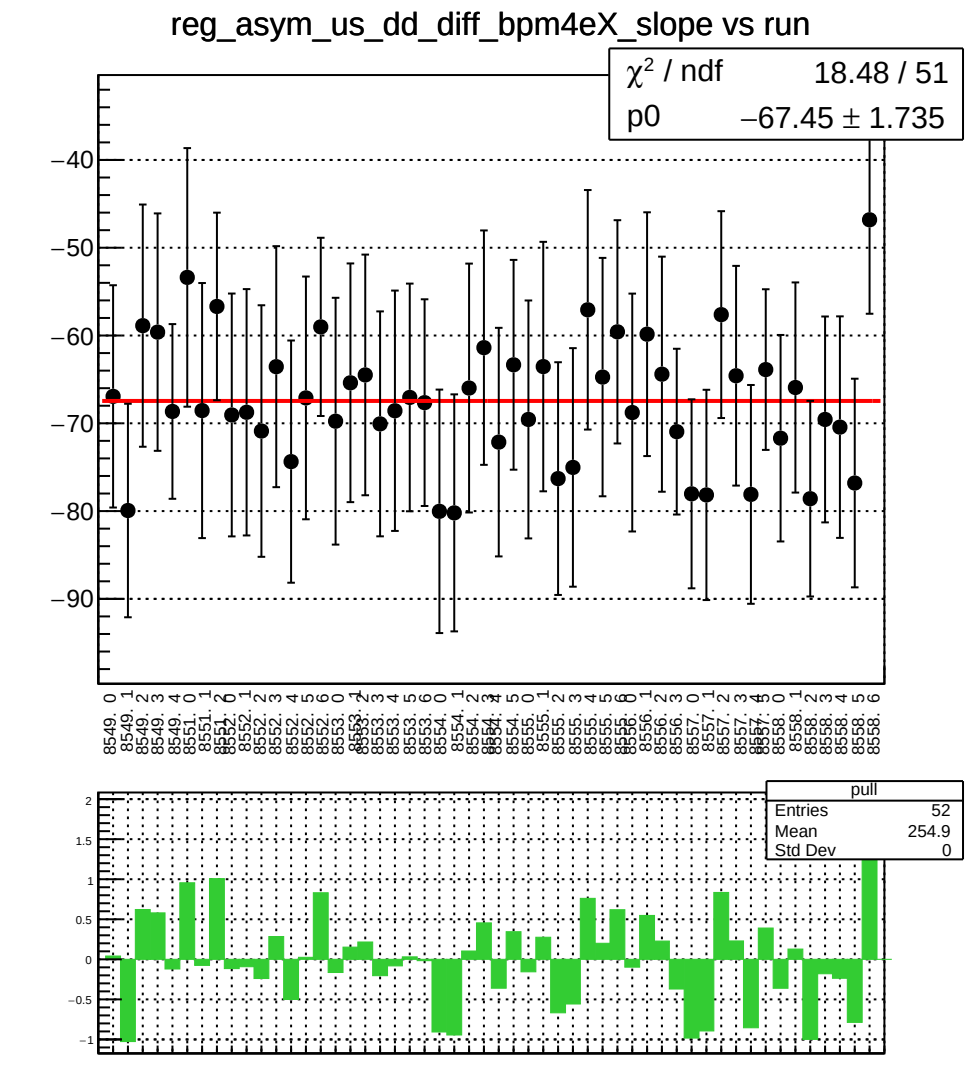

pull1D
Entries 52
Mean −0.0115
Std Dev 0.6217

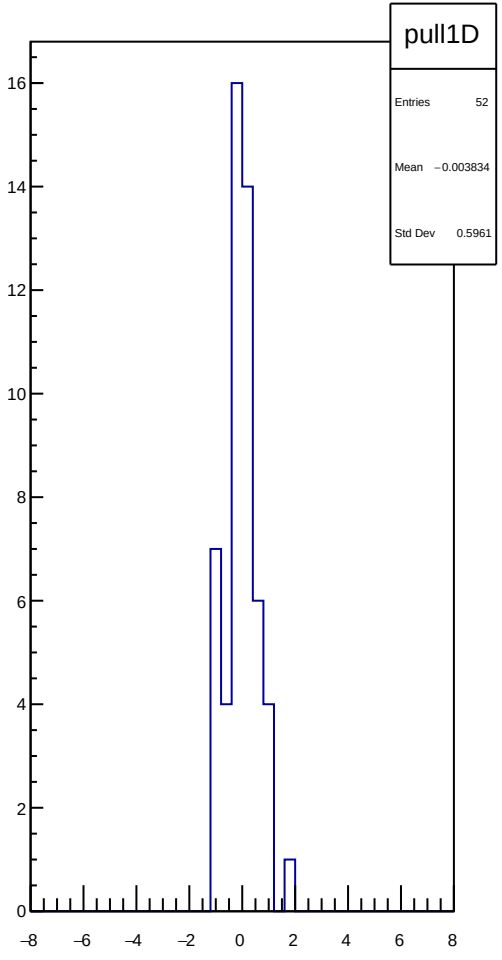

reg_asym_us_dd_diff_bpm1X_slope vs run
χ² / ndf 17.97 / 51
p0 8.719 ± 1.589
pull
Entries 52
Mean −790.6
Std Dev 0

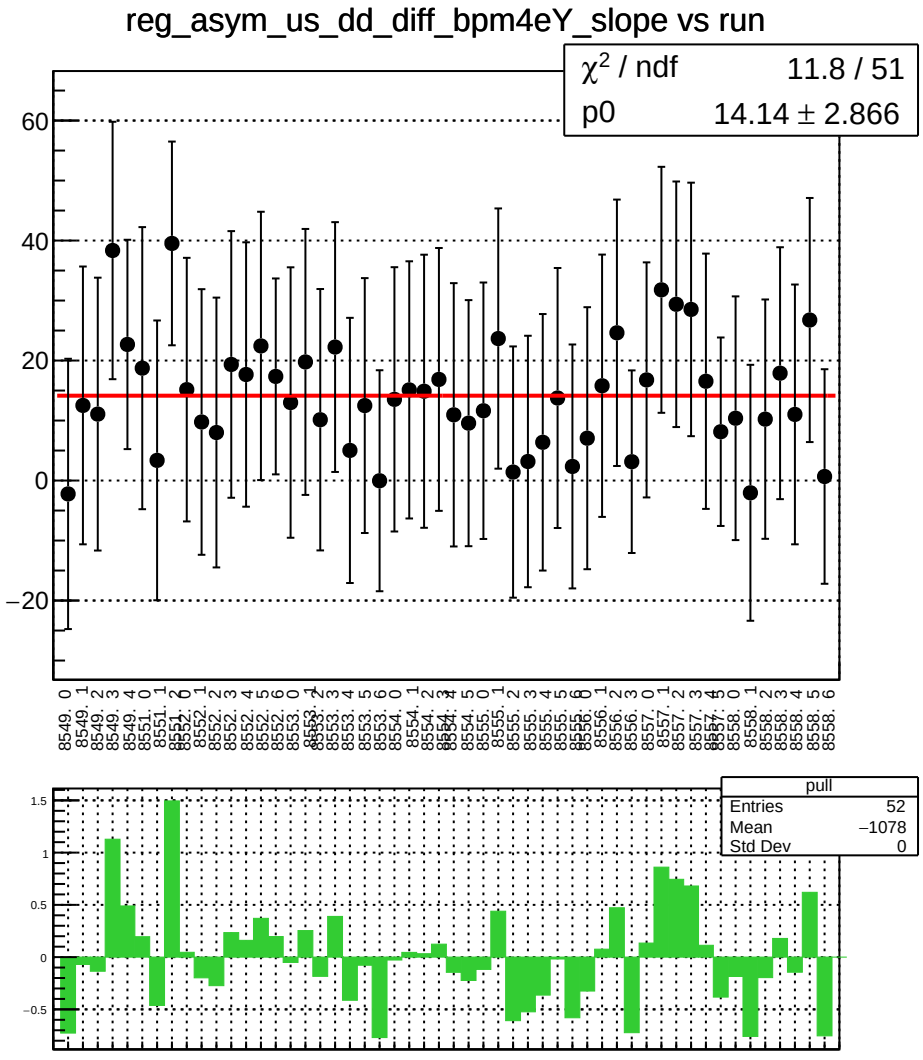

pull1D
Entries 52
Mean −0.00129
Std Dev 0.5878

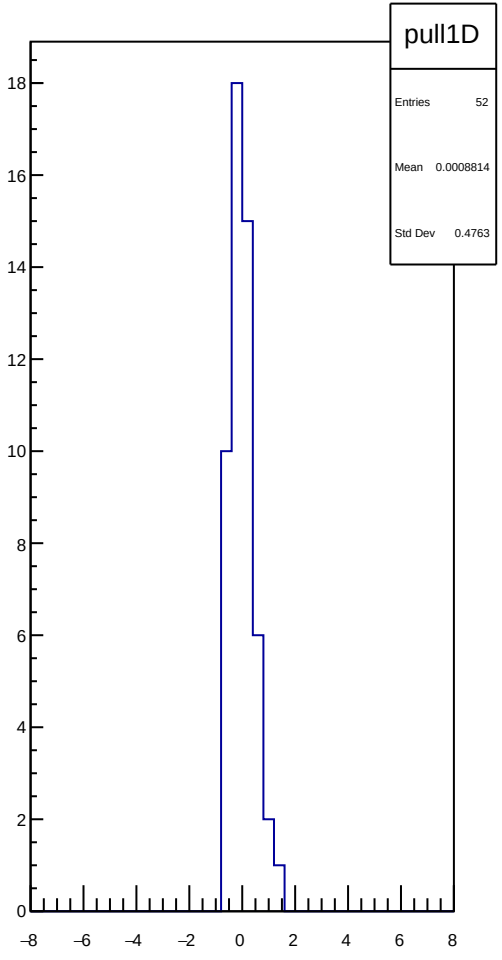

reg_asym_us_dd_diff_bpm4aY_slope vs run
χ² / ndf 11.9 / 51
p0 −9.167 ± 2.704
pull
Entries 52
Mean −1722
Std Dev 0

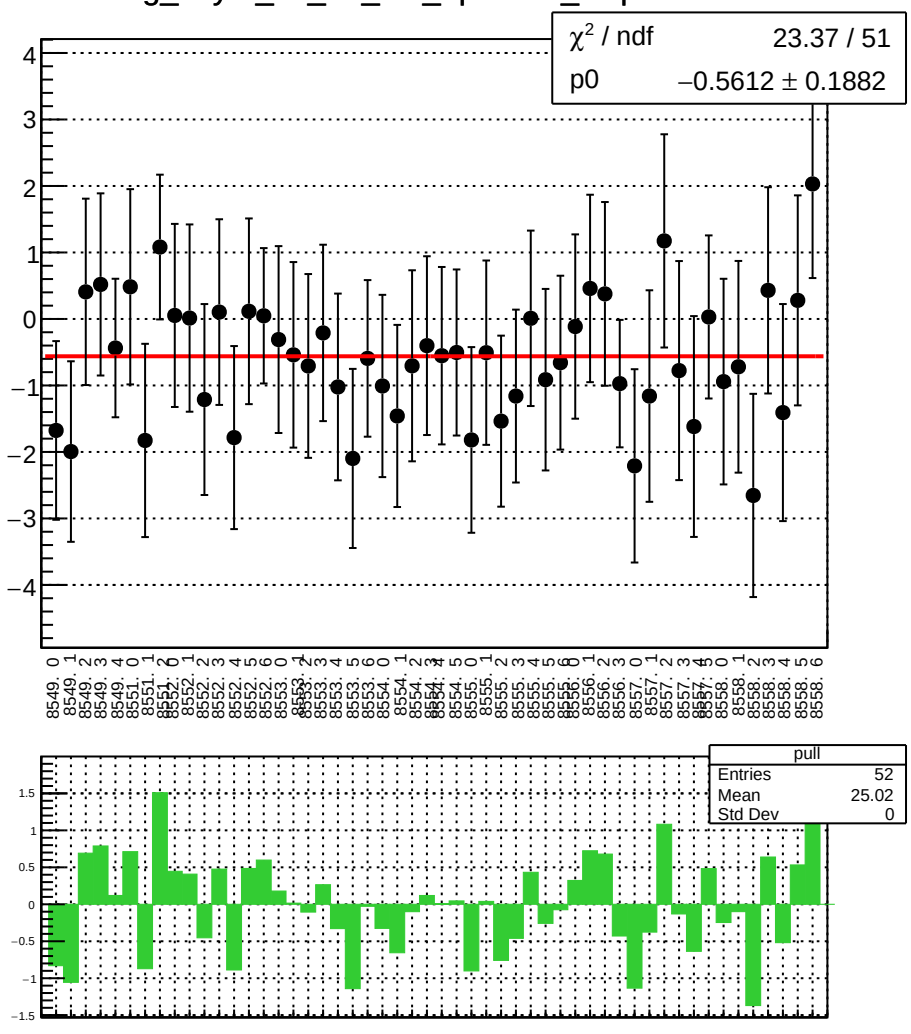

pull1D
Entries 52
Mean −0.0004212
Std Dev 0.4783

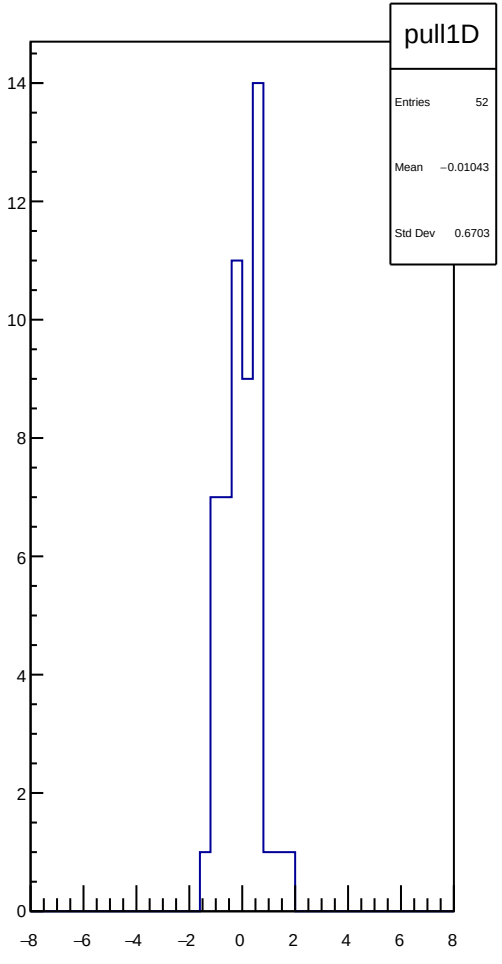

reg_asym_us_dd_diff_bpm4eX_slope vs run
χ² / ndf 18.48 / 51
p0 −67.45 ± 1.735
pull
Entries 52
Mean 254.9
Std Dev 0

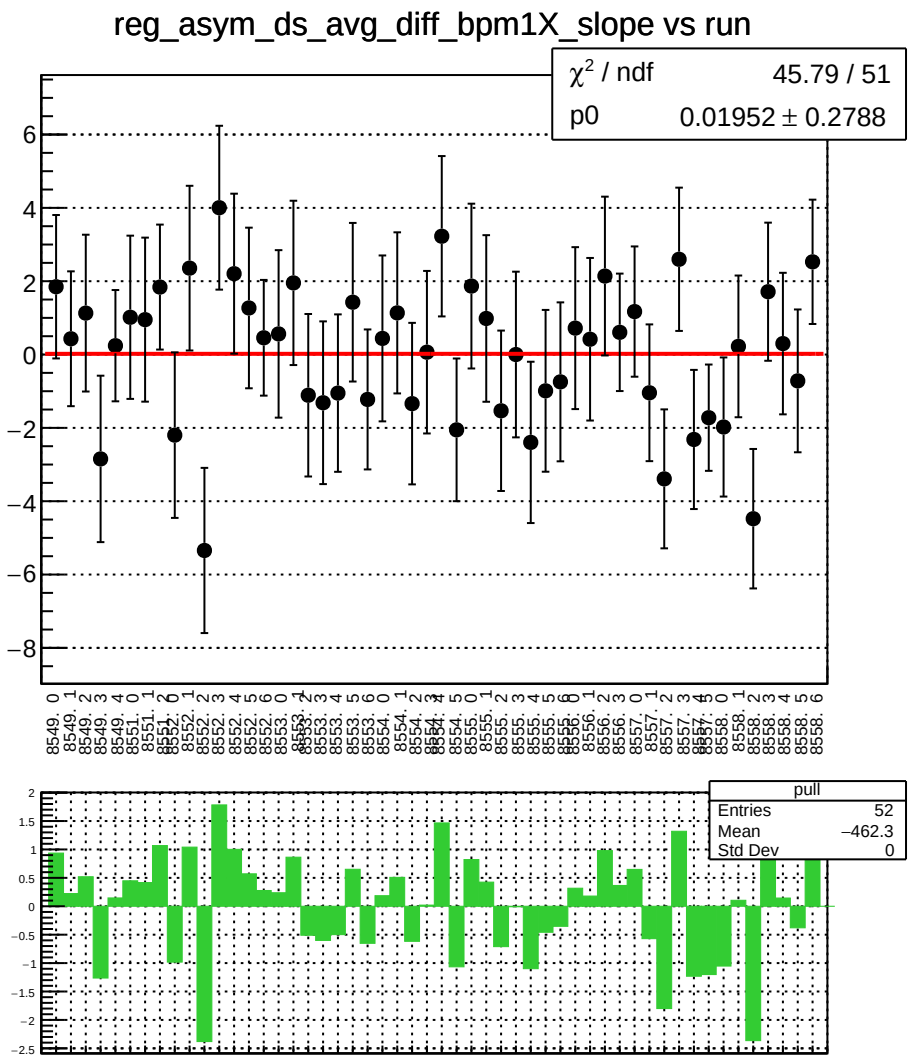

pull1D
Entries 52
Mean −0.003834
Std Dev 0.5961

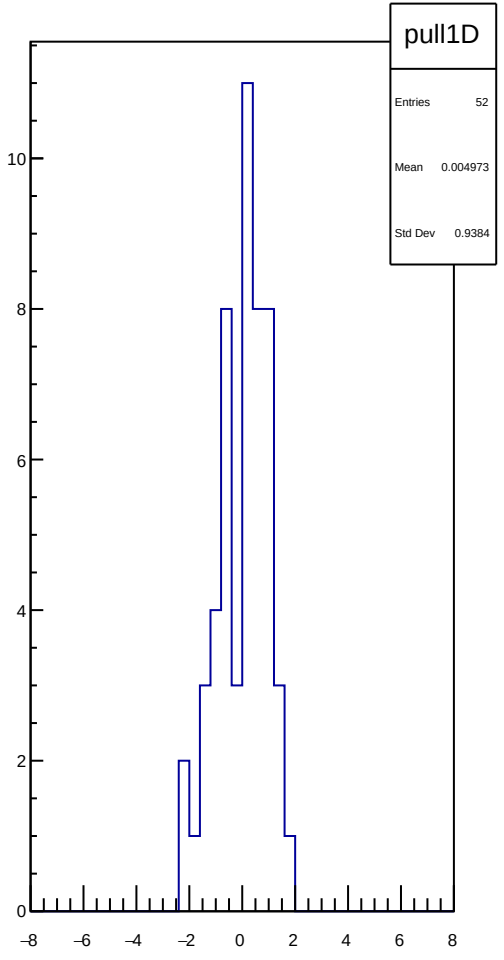

reg_asym_us_dd_diff_bpm4eY_slope vs run
χ² / ndf 11.8 / 51
p0 14.14 ± 2.866
pull
Entries 52
Mean −1078
Std Dev 0

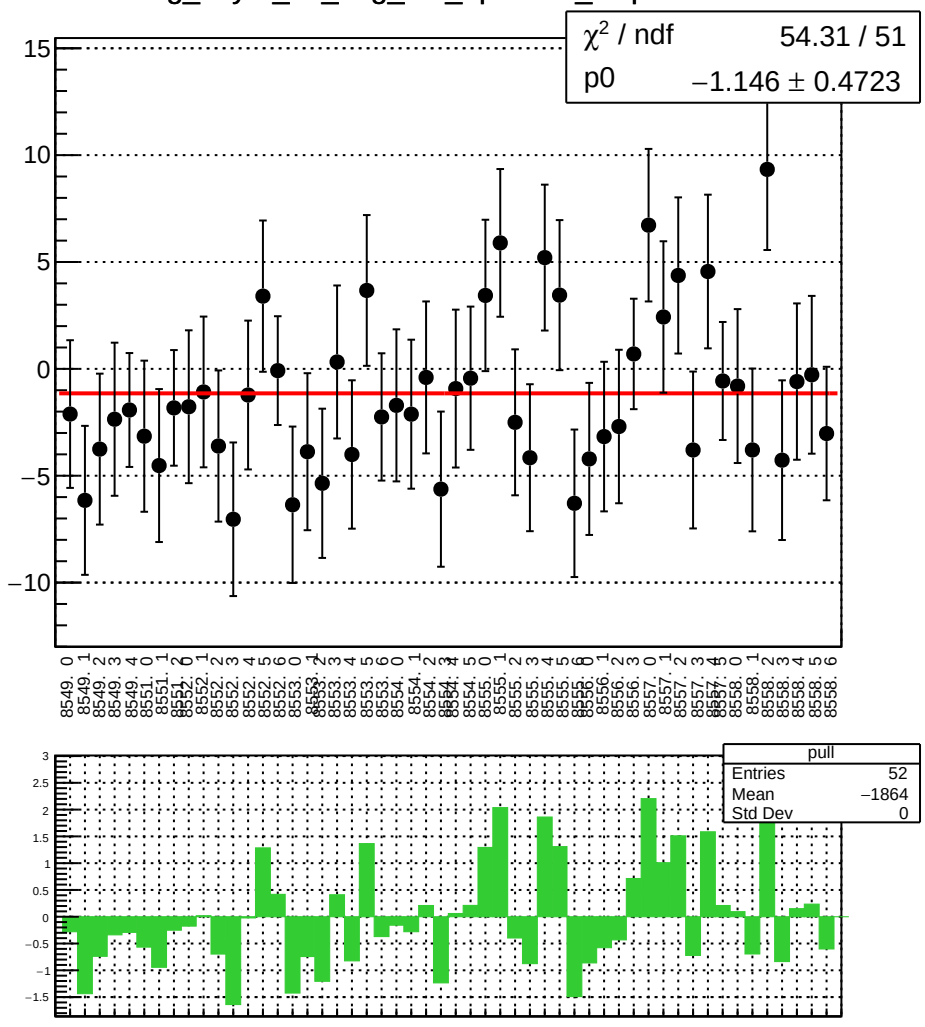

pull1D
Entries 52
Mean 0.0008814
Std Dev 0.4763

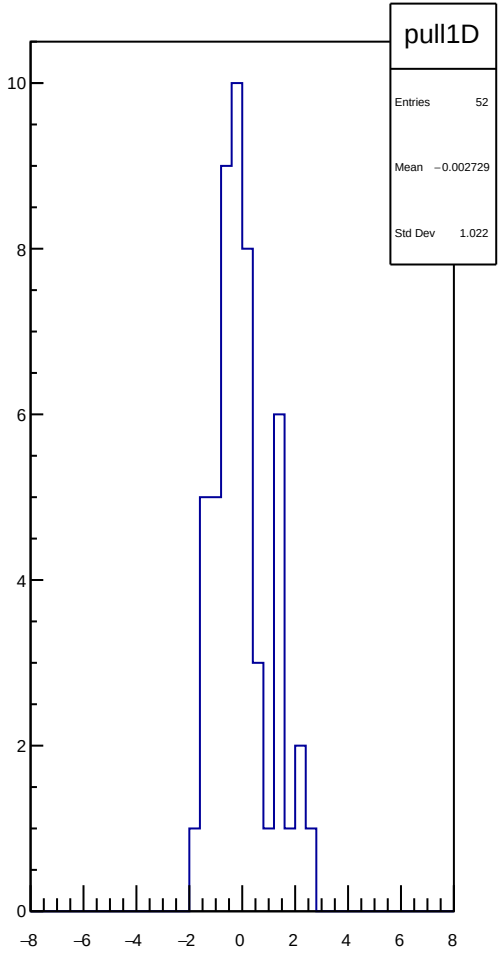

reg_asym_us_dd_diff_bpm12X_slope vs run
χ² / ndf 23.37 / 51
p0 −0.5612 ± 0.1882
pull
Entries 52
Mean 25.02
Std Dev 0

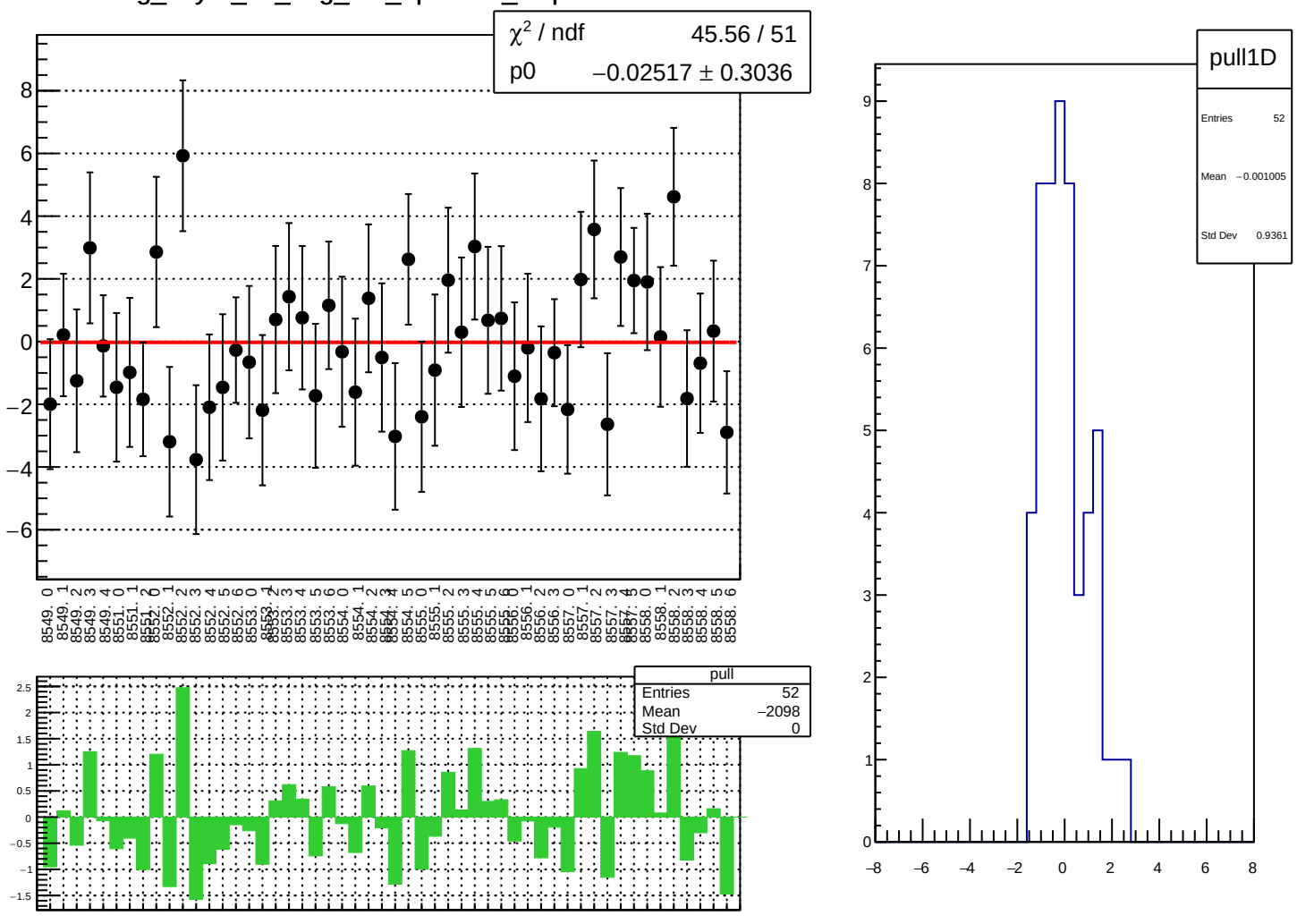

pull1D
Entries 52
Mean −0.01043
Std Dev 0.6703

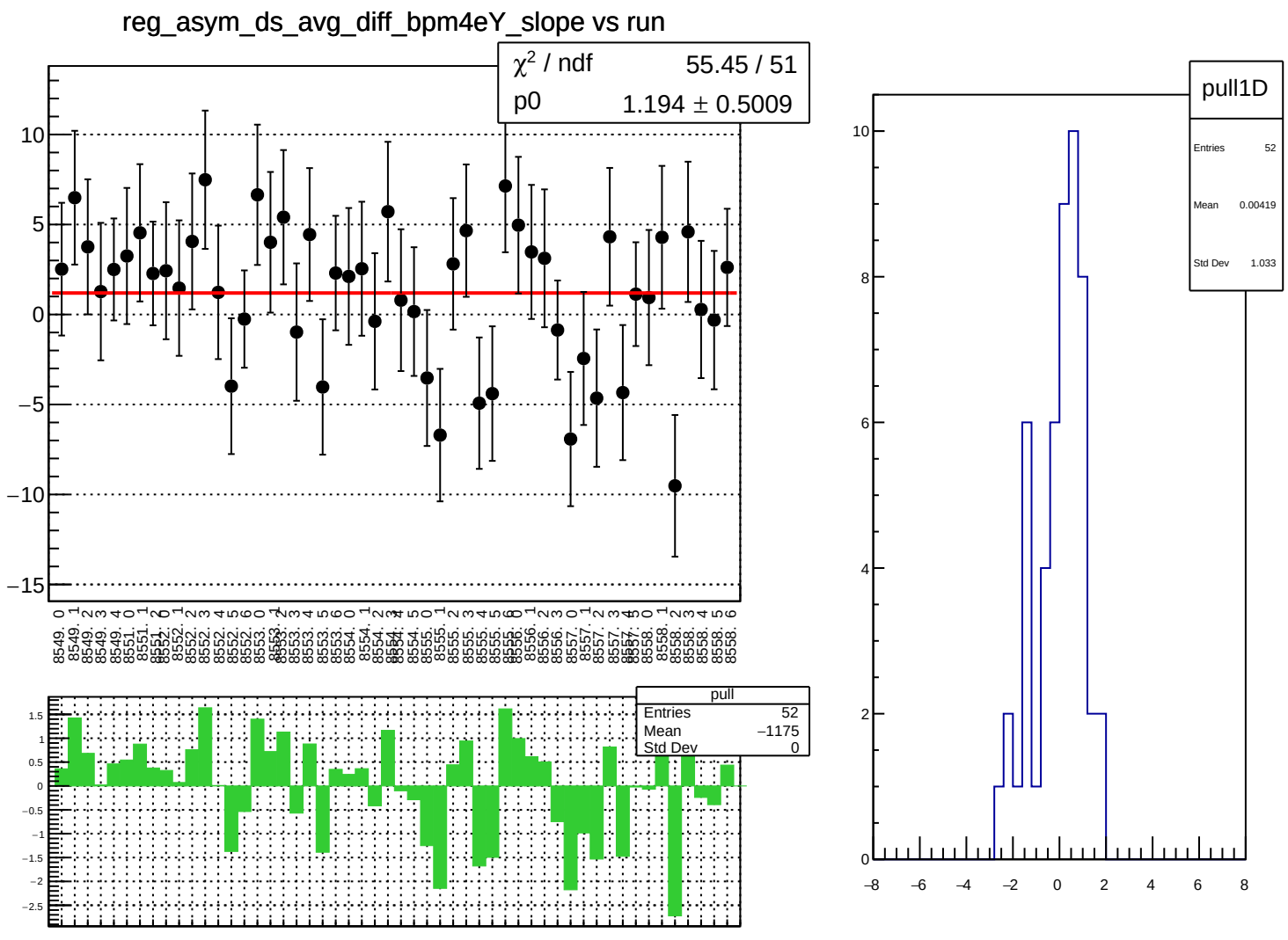

reg_asym_ds_avg_diff_bpm1X_slope vs run
χ² / ndf 45.79 / 51
p0 0.01952 ± 0.2788
pull
Entries 52
Mean −462.3
Std Dev 0

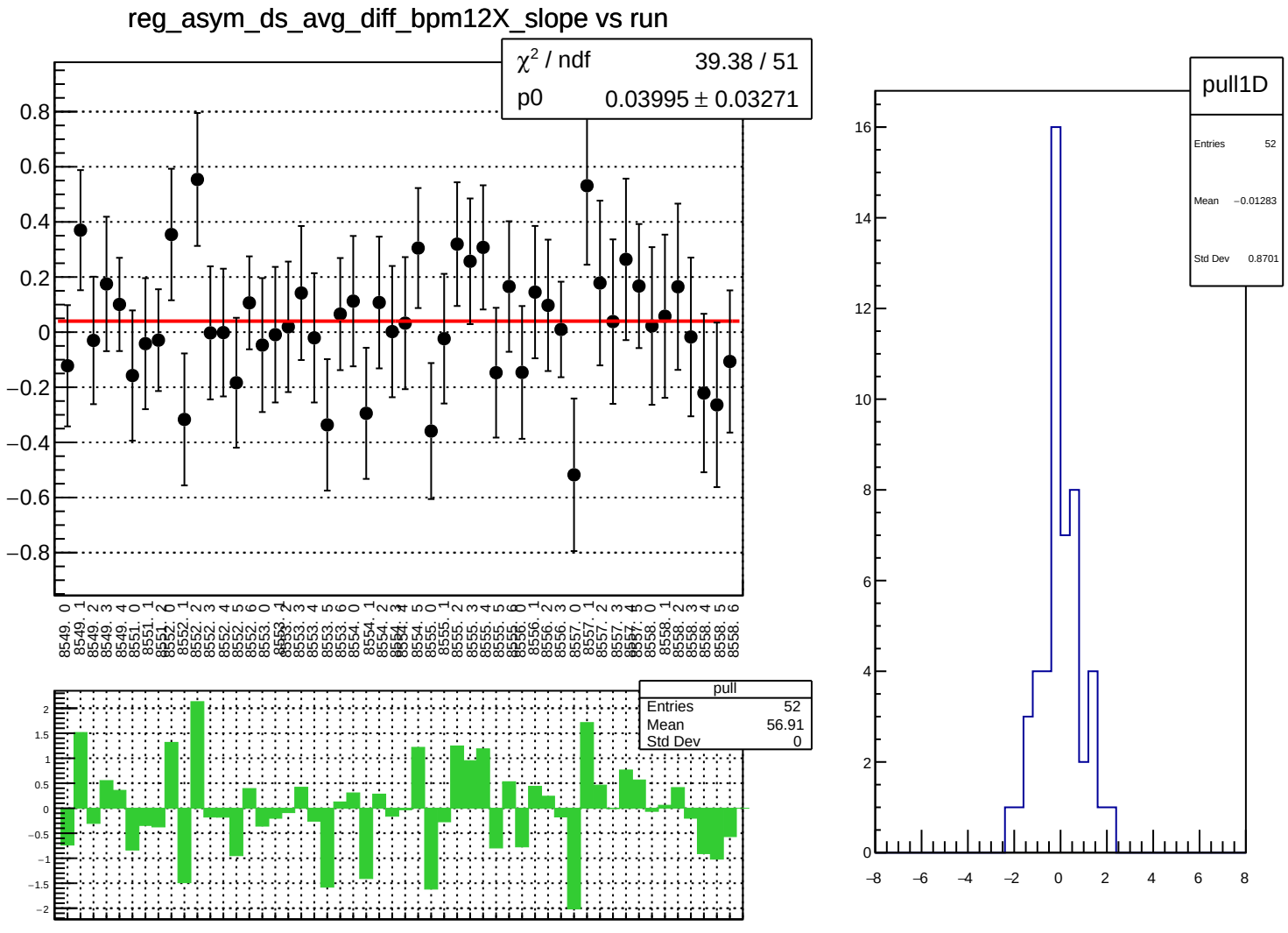

pull1D
Entries 52
Mean 0.004973
Std Dev 0.9384

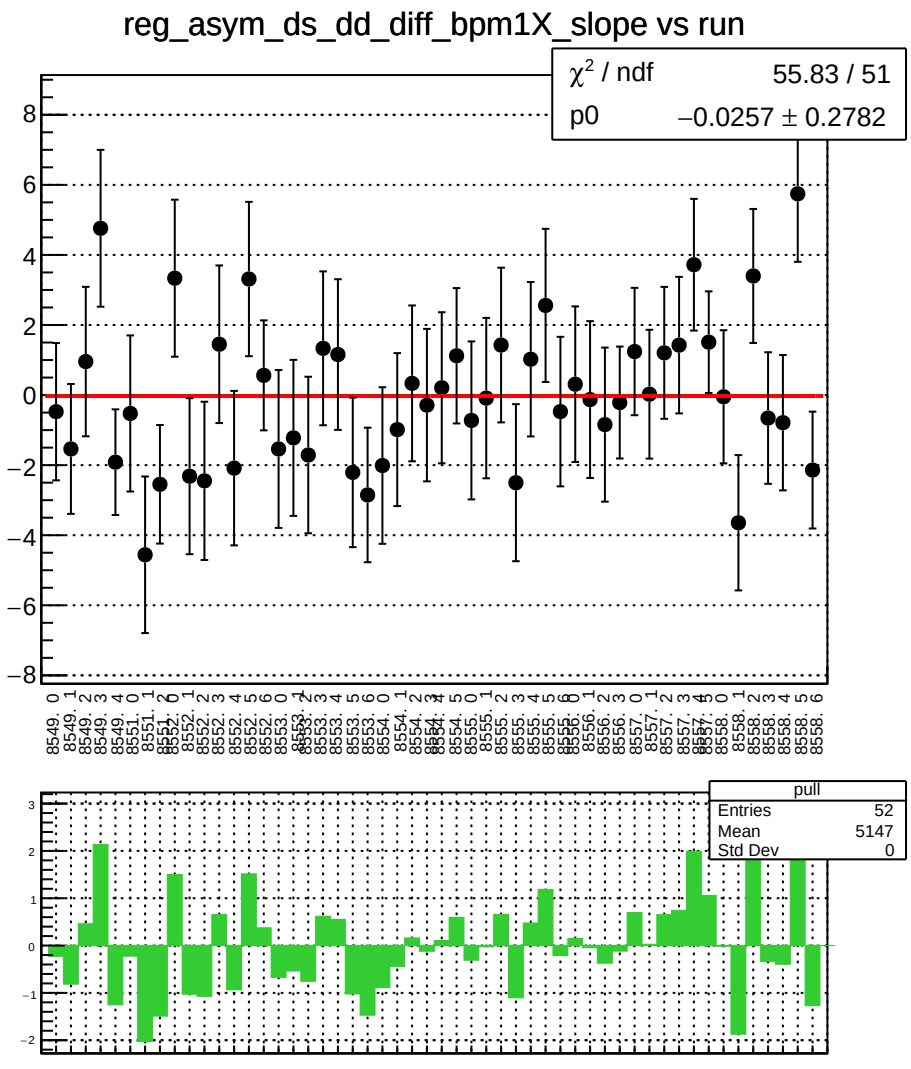

reg_asym_ds_avg_diff_bpm4aY_slope vs run
χ² / ndf 54.31 / 51
p0 −1.146 ± 0.4723
pull
Entries 52
Mean −1864
Std Dev 0

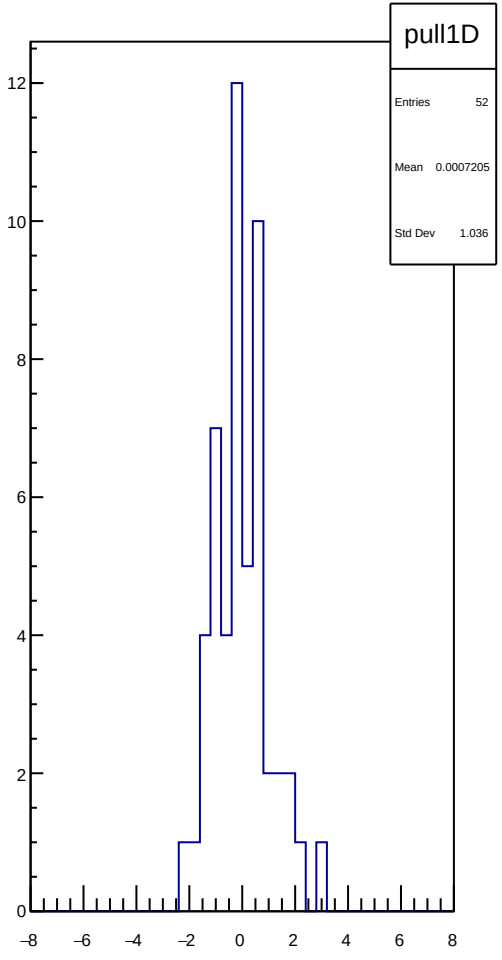

pull1D
Entries 52
Mean −0.002729
Std Dev 1.022

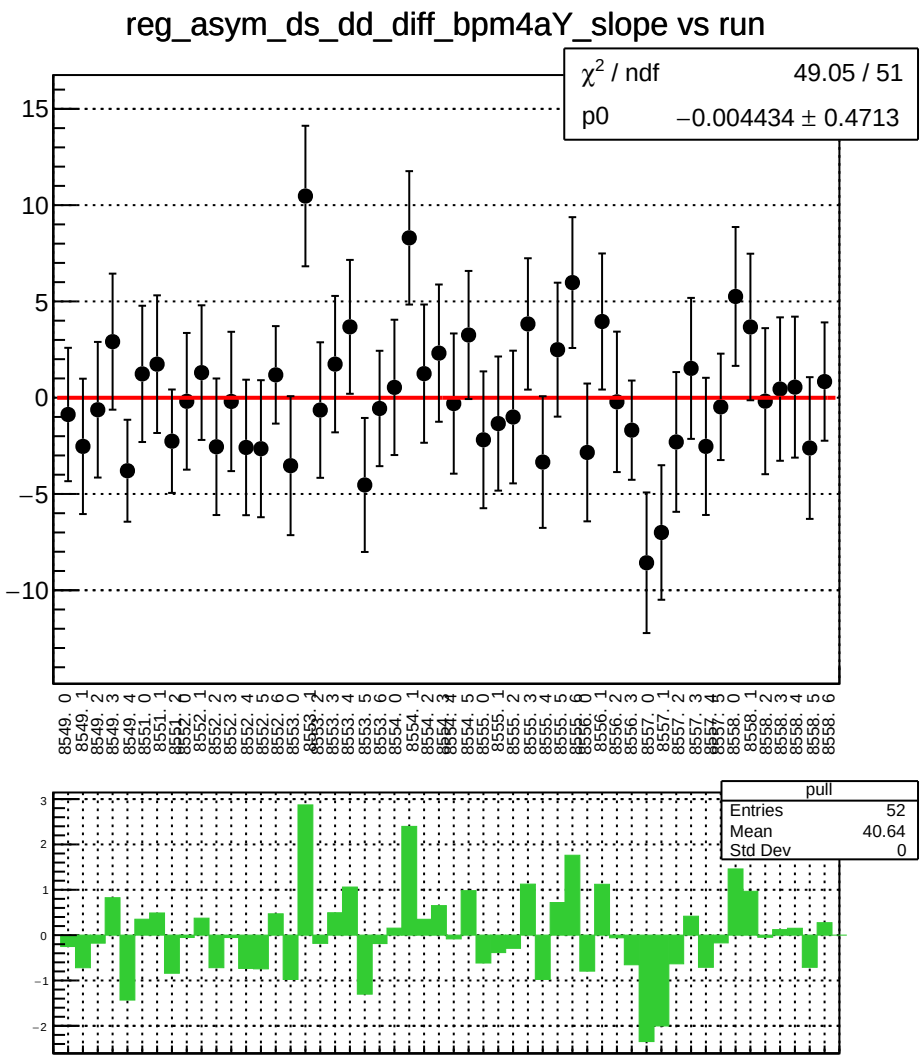

reg_asym_ds_avg_diff_bpm4eX_slope vs run
χ² / ndf 45.56 / 51
p0 −0.02517 ± 0.3036
pull
Entries 52
Mean −2098
Std Dev 0
pull1D
Entries 52
Mean −0.001005
Std Dev 0.9361

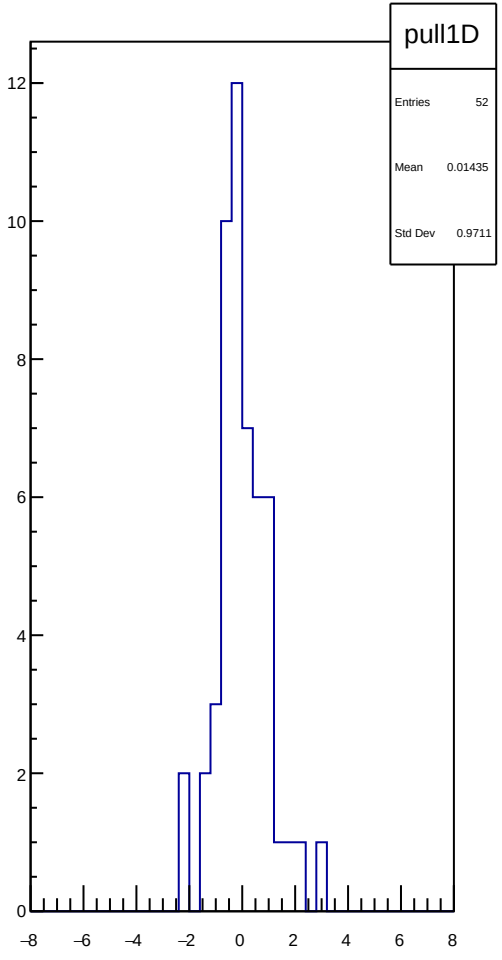

reg_asym_ds_avg_diff_bpm4eY_slope vs run
χ² / ndf 55.45 / 51
p0 1.194 ± 0.5009
pull
Entries 52
Mean −1175
Std Dev 0
pull1D
Entries 52
Mean 0.00419
Std Dev 1.033

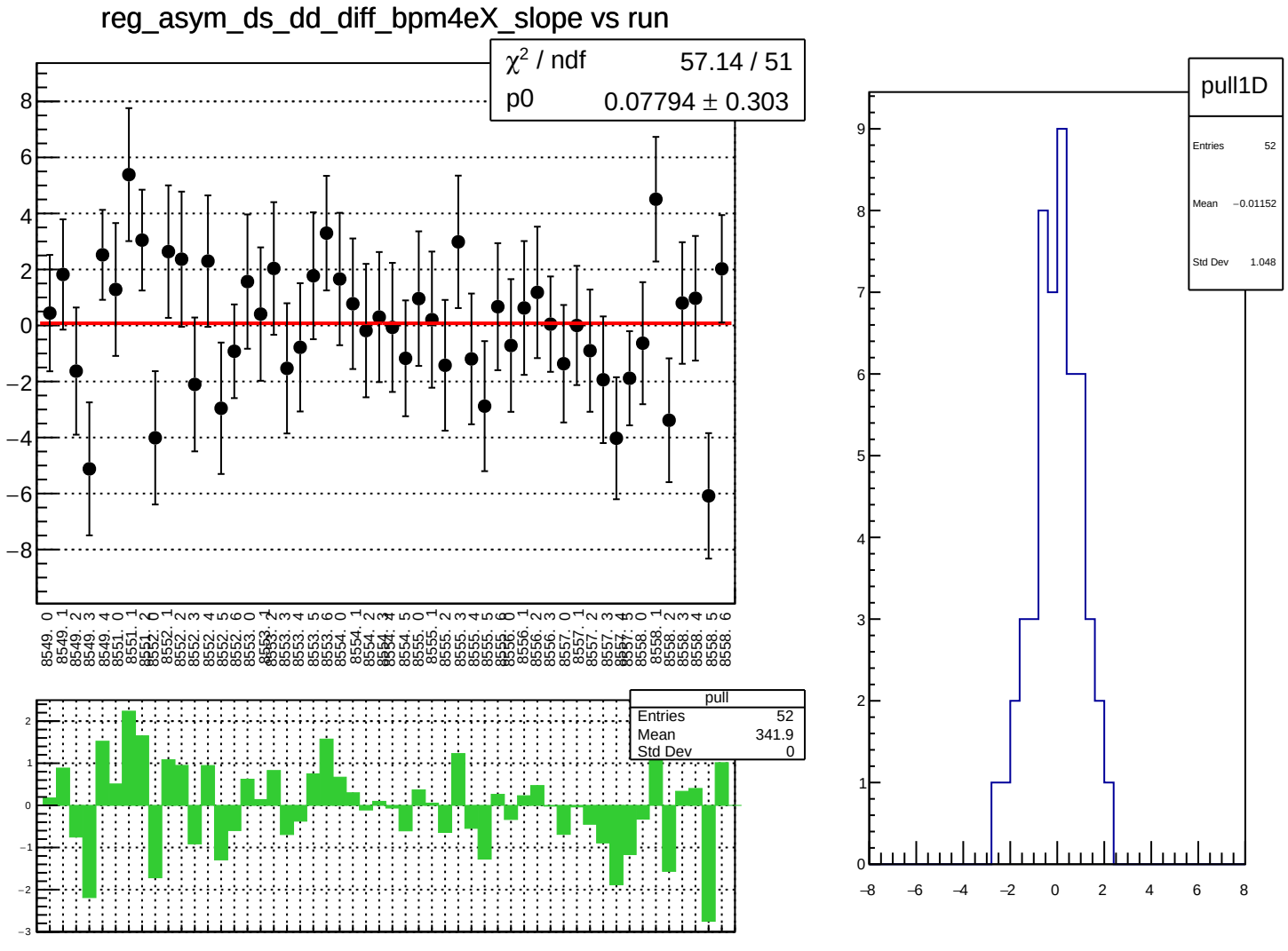

reg_asym_ds_avg_diff_bpm12X_slope vs run
χ² / ndf 39.38 / 51
p0 0.03995 ± 0.03271
pull
Entries 52
Mean 56.91
Std Dev 0
pull1D
Entries 52
Mean −0.01283
Std Dev 0.8701

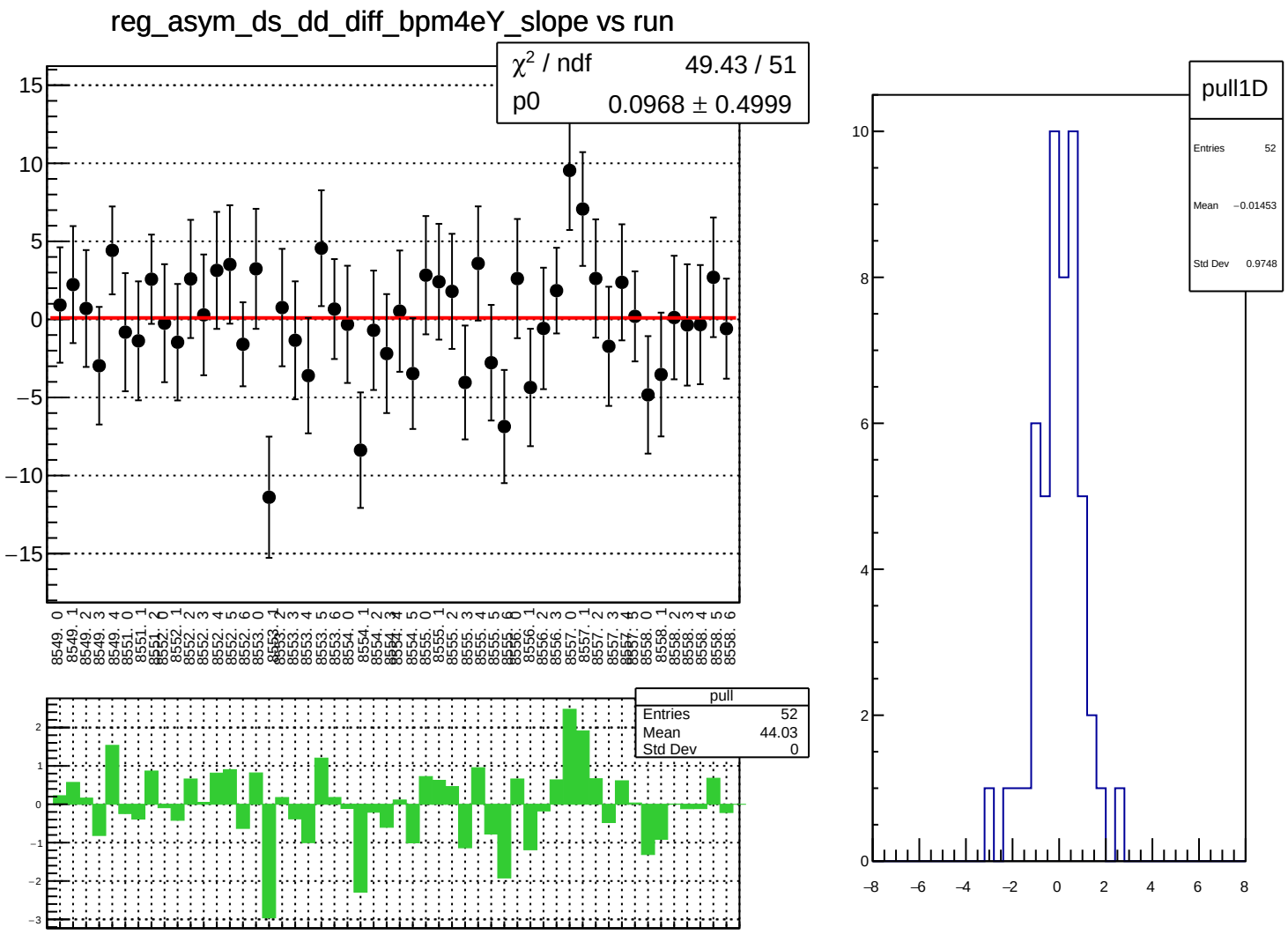

reg_asym_ds_dd_diff_bpm1X_slope vs run
χ² / ndf 55.83 / 51
p0 −0.0257 ± 0.2782
pull
Entries 52
Mean 5147
Std Dev 0

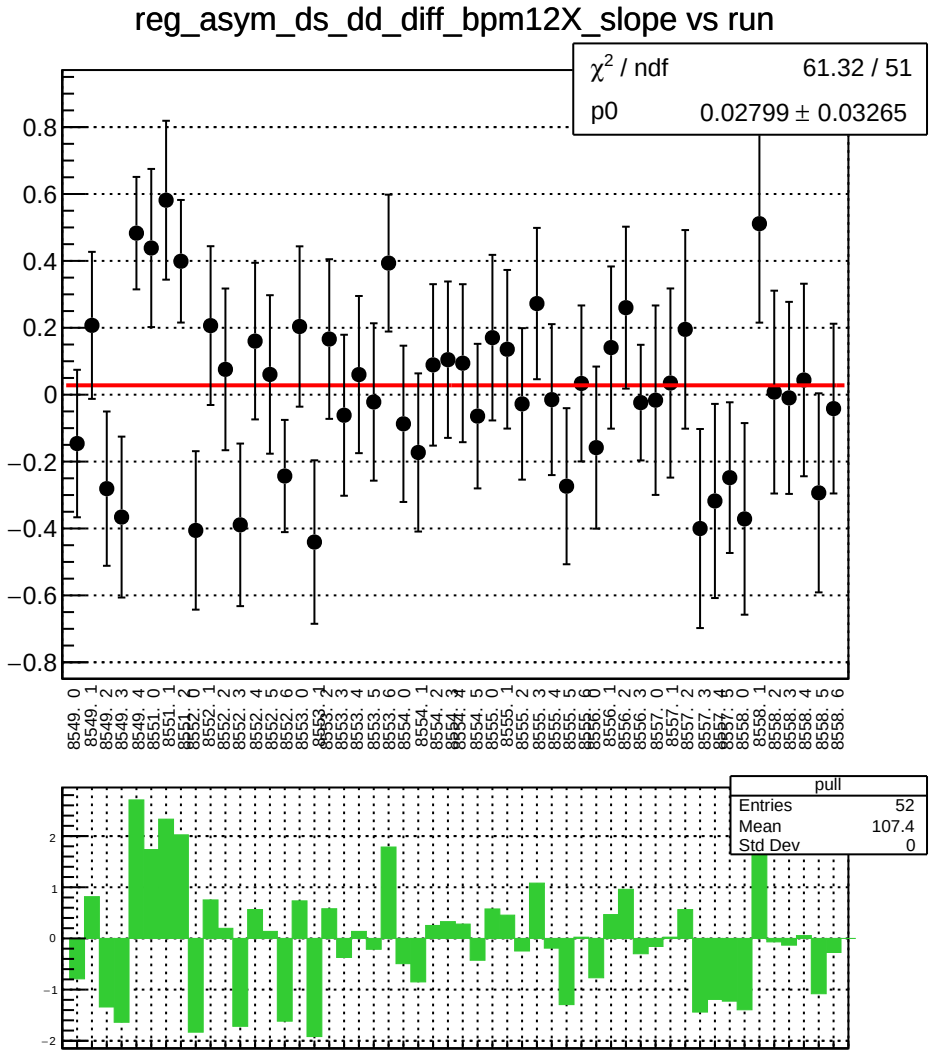

pull1D
Entries 52
Mean 0.0007205
Std Dev 1.036

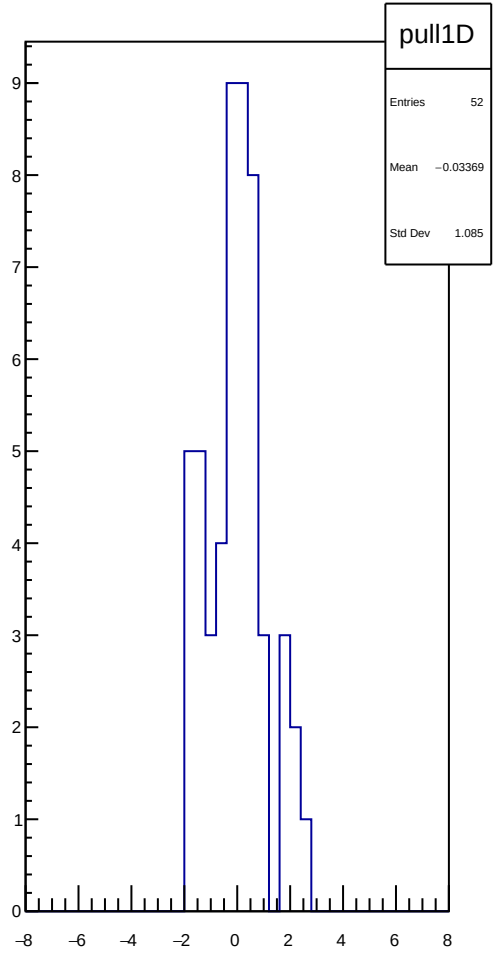

reg_asym_ds_dd_diff_bpm4aY_slope vs run
χ² / ndf 49.05 / 51
p0 −0.004434 ± 0.4713
pull
Entries 52
Mean 40.64
Std Dev 0

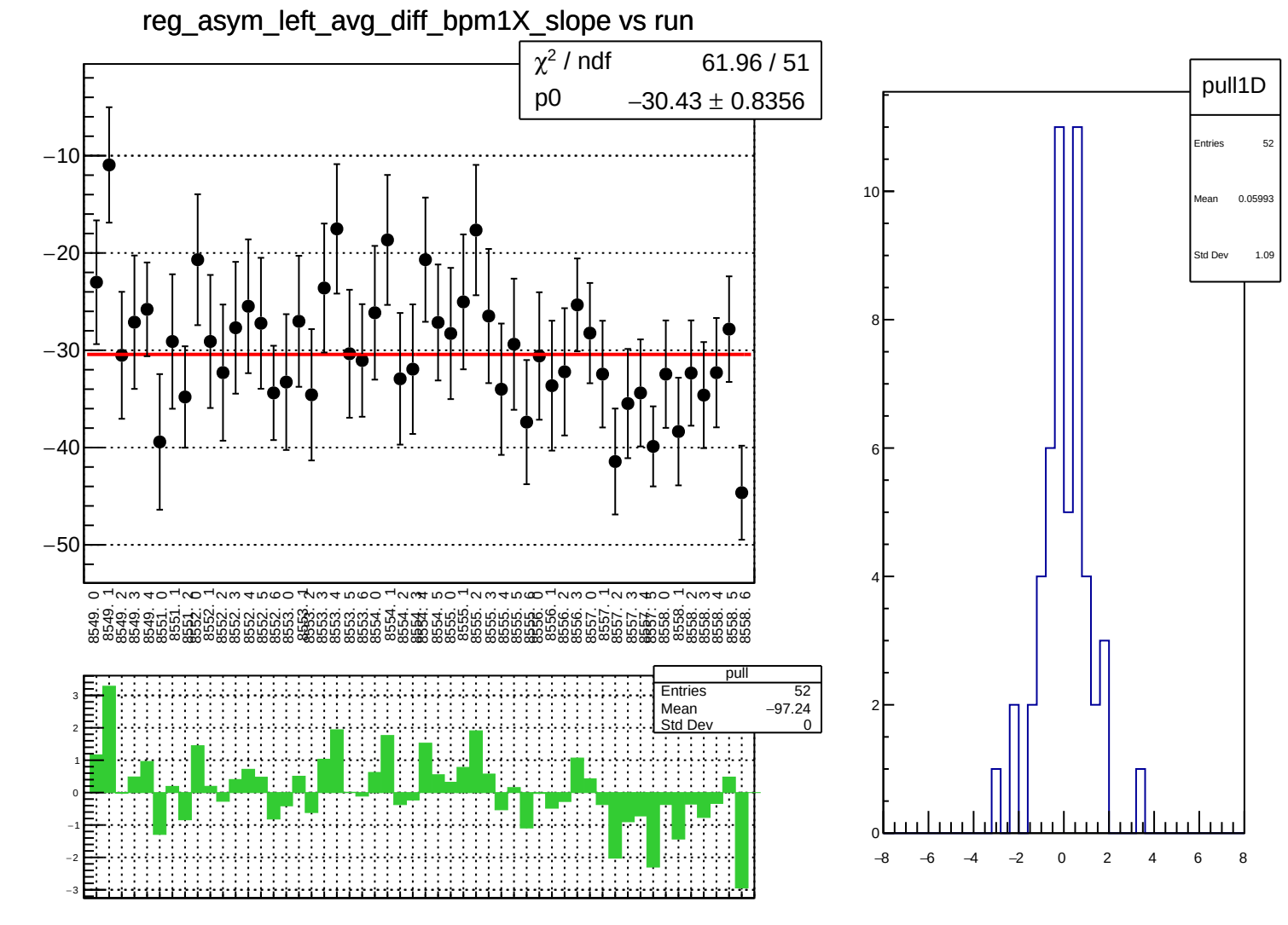

pull1D
Entries 52
Mean 0.01435
Std Dev 0.9711

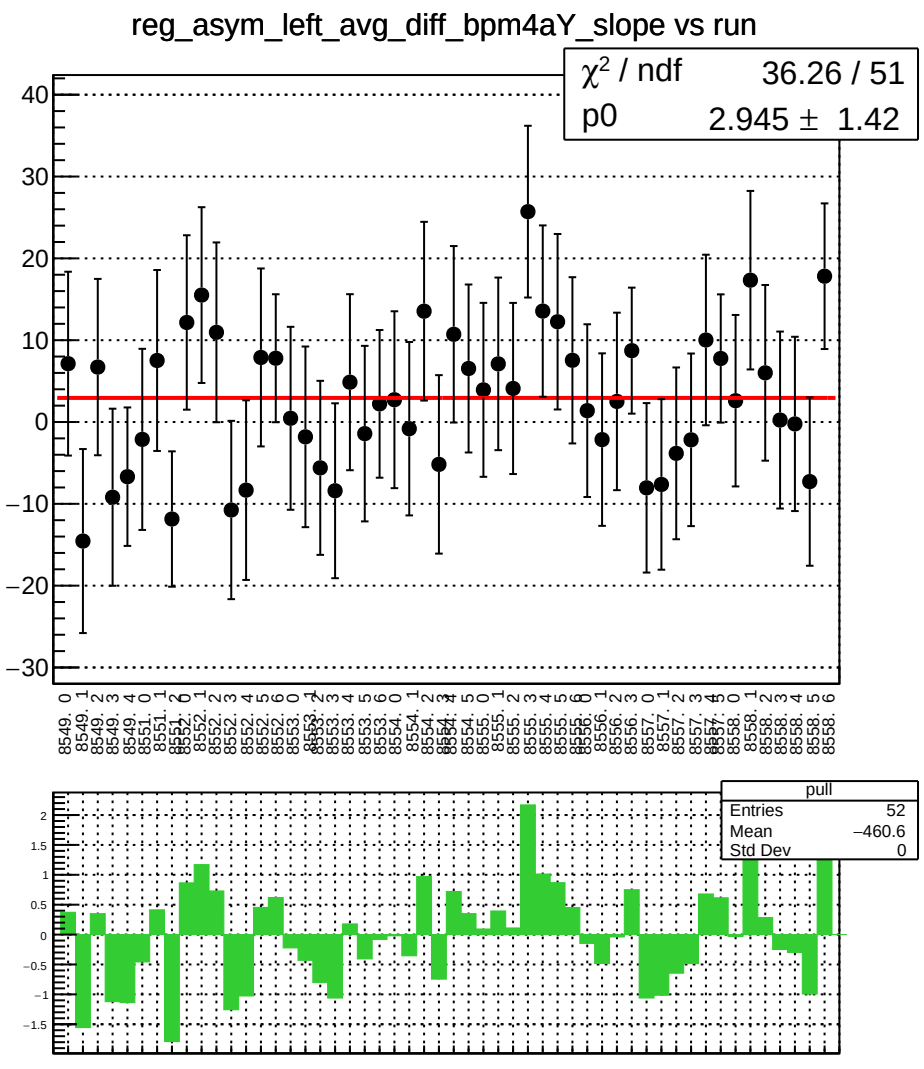

reg_asym_ds_dd_diff_bpm4eX_slope vs run
χ² / ndf 57.14 / 51
p0 0.07794 ± 0.303
pull
Entries 52
Mean 341.9
Std Dev 0
pull1D
Entries 52
Mean −0.01152
Std Dev 1.048

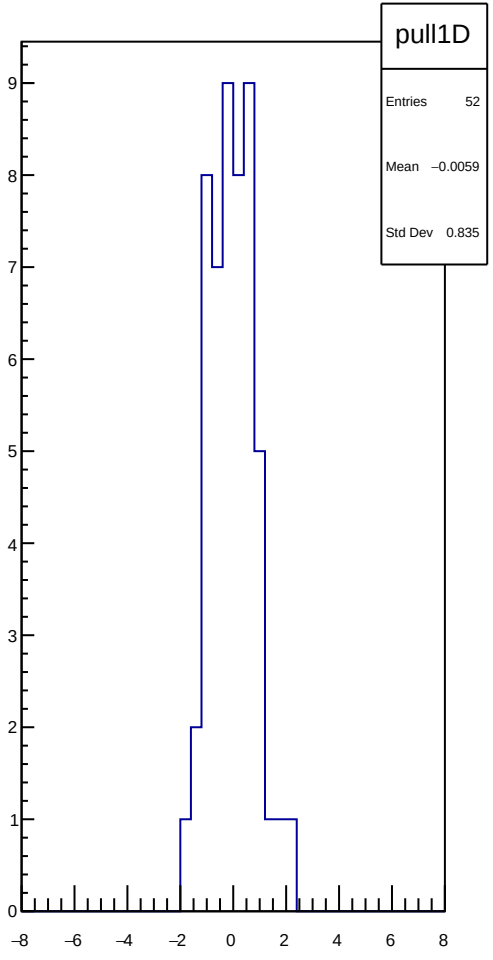

reg_asym_ds_dd_diff_bpm4eY_slope vs run
χ² / ndf 49.43 / 51
p0 0.0968 ± 0.4999
pull
Entries 52
Mean 44.03
Std Dev 0
pull1D
Entries 52
Mean −0.01453
Std Dev 0.9748

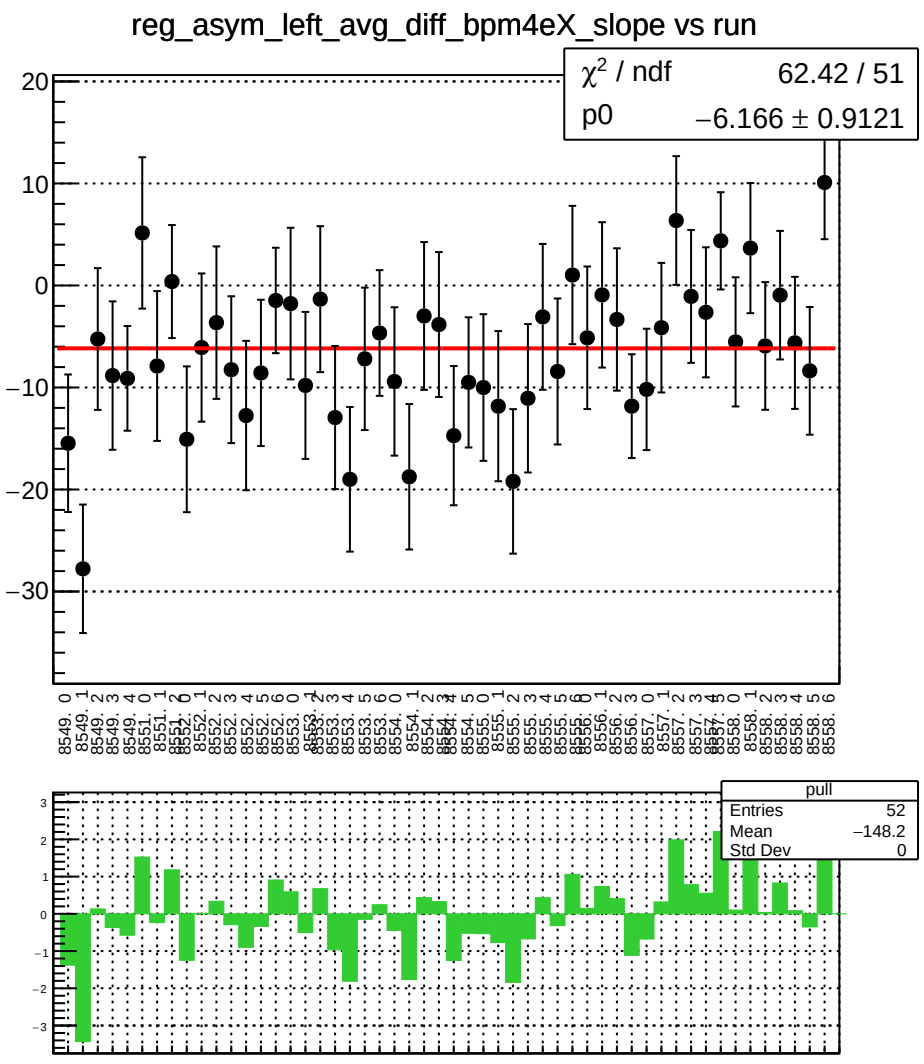

reg_asym_ds_dd_diff_bpm12X_slope vs run
χ² / ndf 61.32 / 51
p0 0.02799 ± 0.03265
pull
Entries 52
Mean 107.4
Std Dev 0

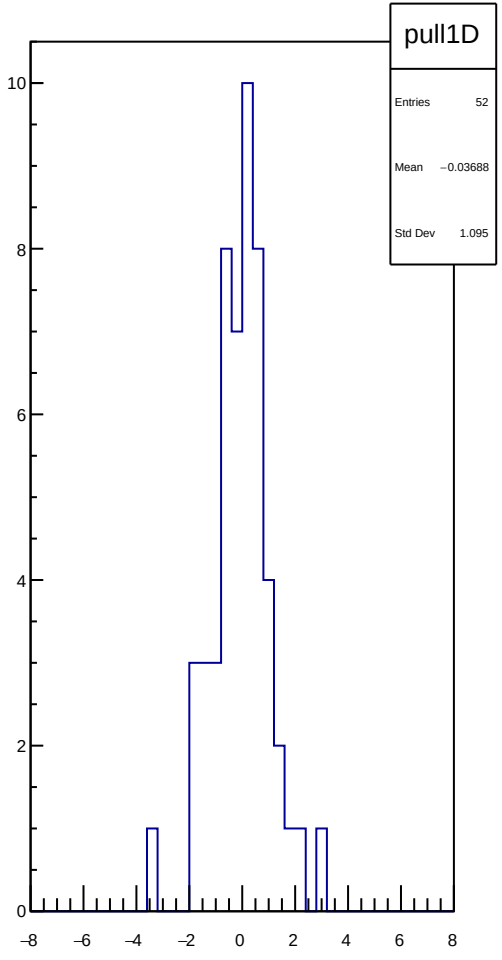

pull1D
Entries 52
Mean −0.03369
Std Dev 1.085

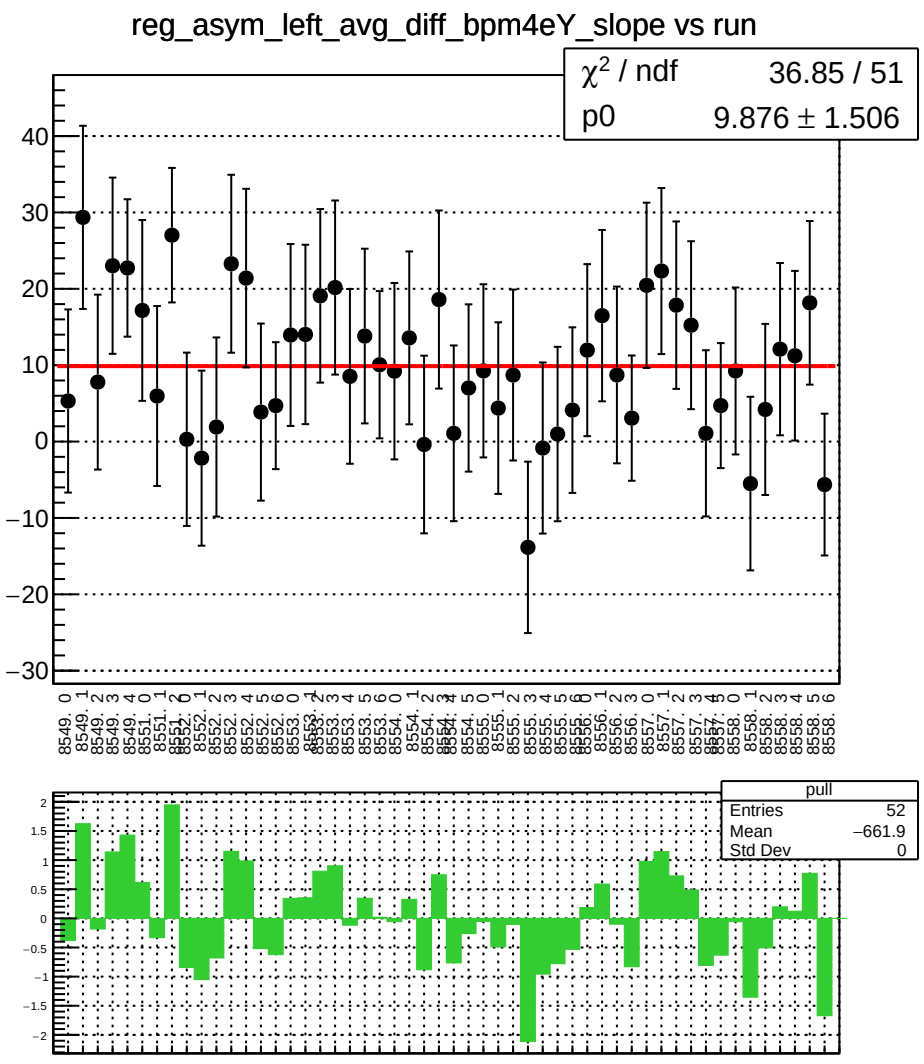

reg_asym_left_avg_diff_bpm1X_slope vs run
χ² / ndf 61.96 / 51
p0 −30.43 ± 0.8356
pull
Entries 52
Mean −97.24
Std Dev 0
pull1D
Entries 52
Mean 0.05993
Std Dev 1.09

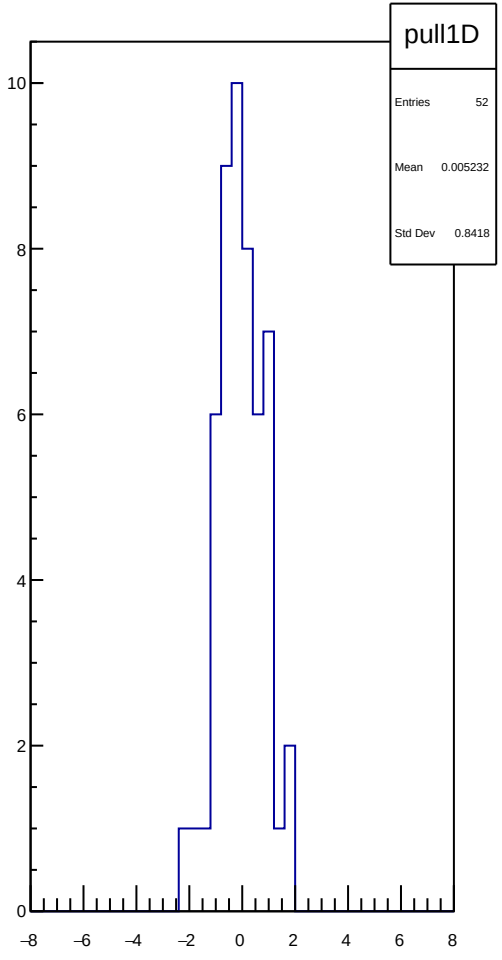

reg_asym_left_avg_diff_bpm4aY_slope vs run
χ² / ndf 36.26 / 51
p0 2.945 ± 1.42
pull
Entries 52
Mean −460.6
Std Dev 0

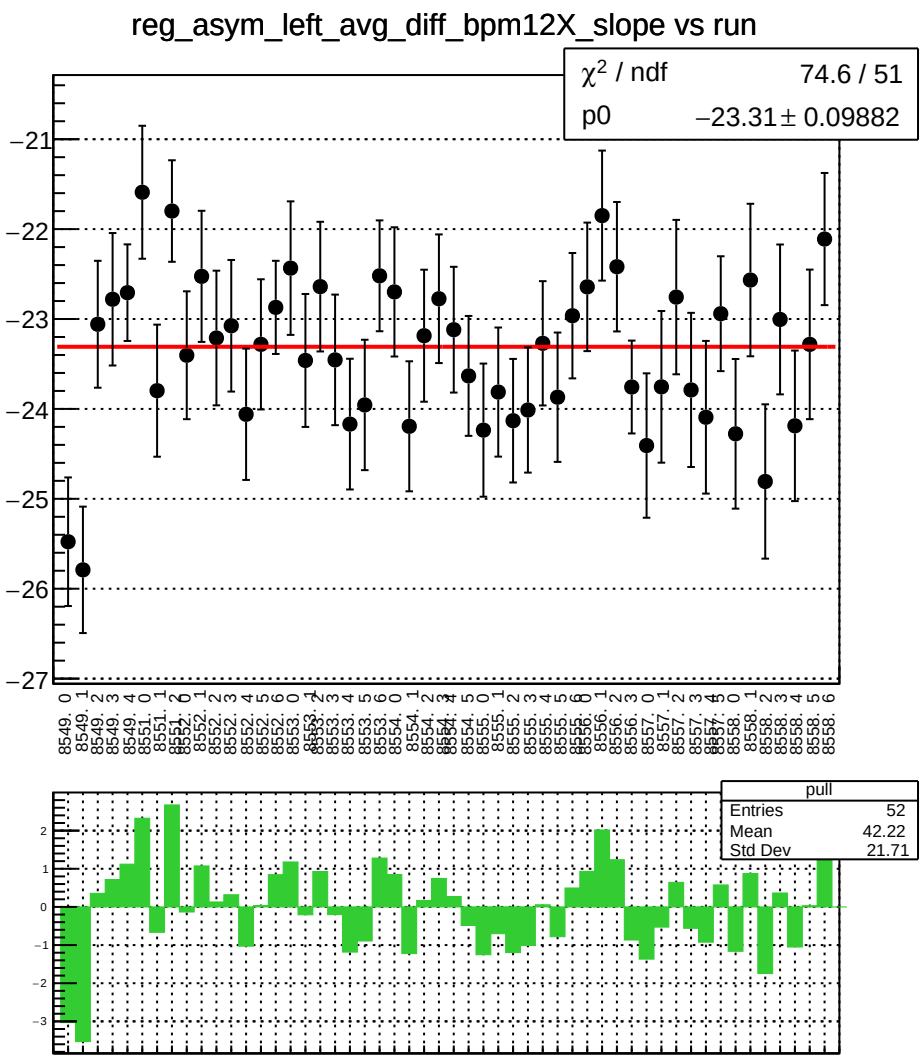

pull1D
Entries 52
Mean −0.0059
Std Dev 0.835

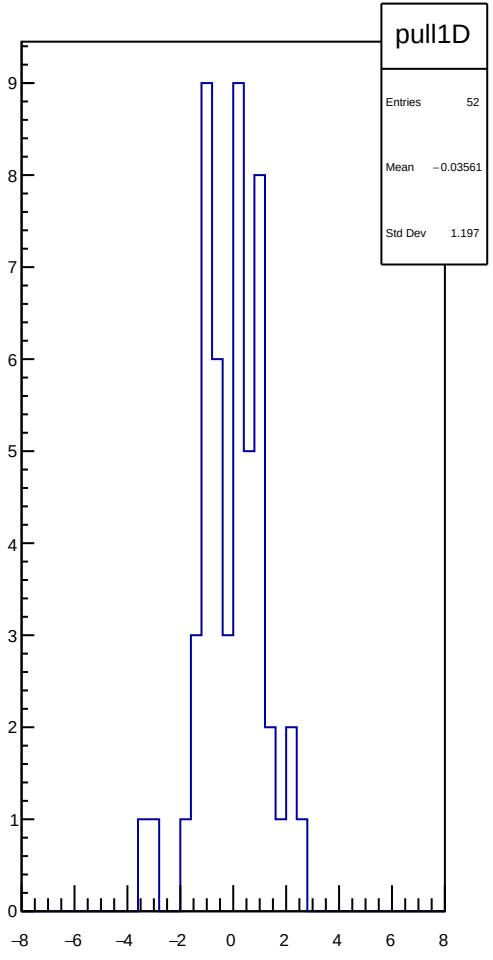

reg_asym_left_avg_diff_bpm4eX_slope vs run
χ² / ndf 62.42 / 51
p0 −6.166 ± 0.9121
pull
Entries 52
Mean −148.2
Std Dev 0

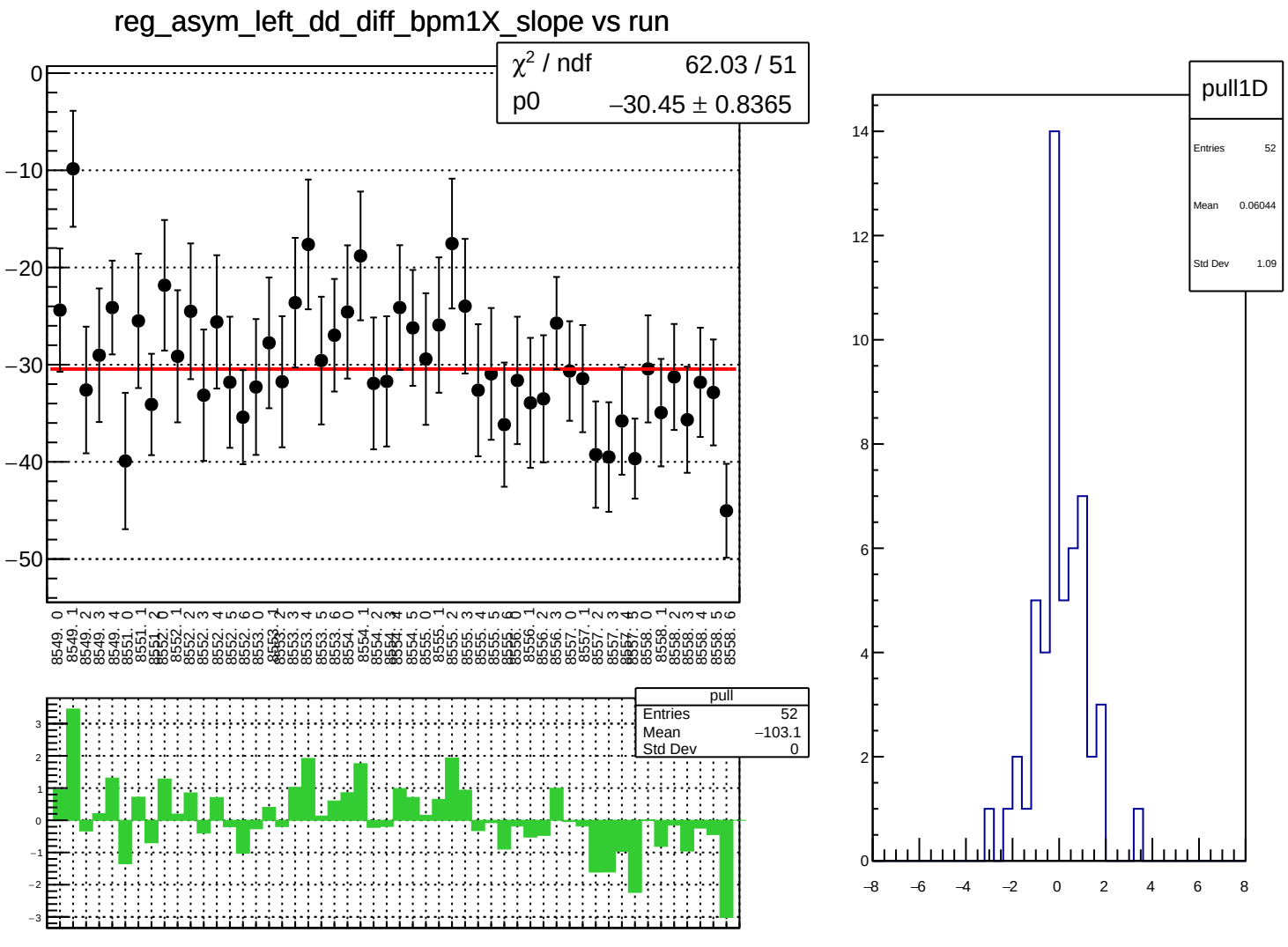

pull1D
Entries 52
Mean −0.03688
Std Dev 1.095

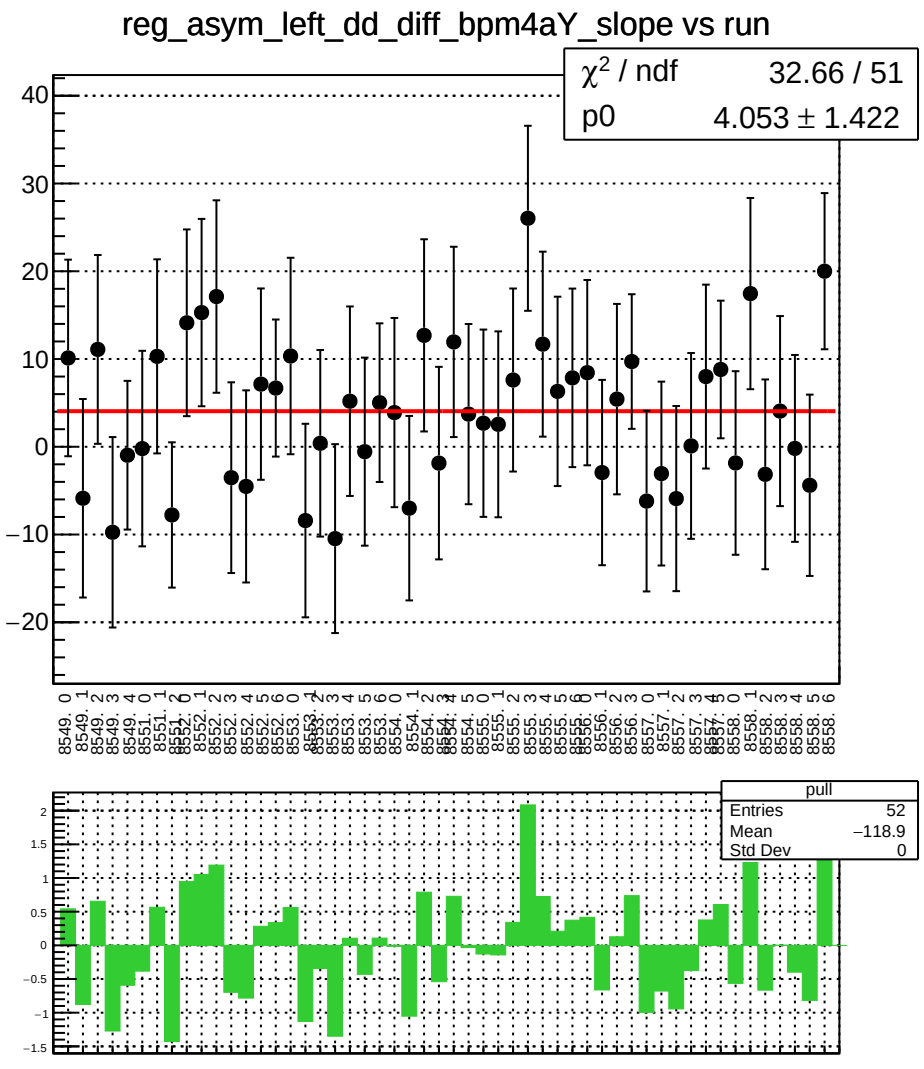

reg_asym_left_avg_diff_bpm4eY_slope vs run
χ² / ndf 36.85 / 51
p0 9.876 ± 1.506
pull
Entries 52
Mean −661.9
Std Dev 0

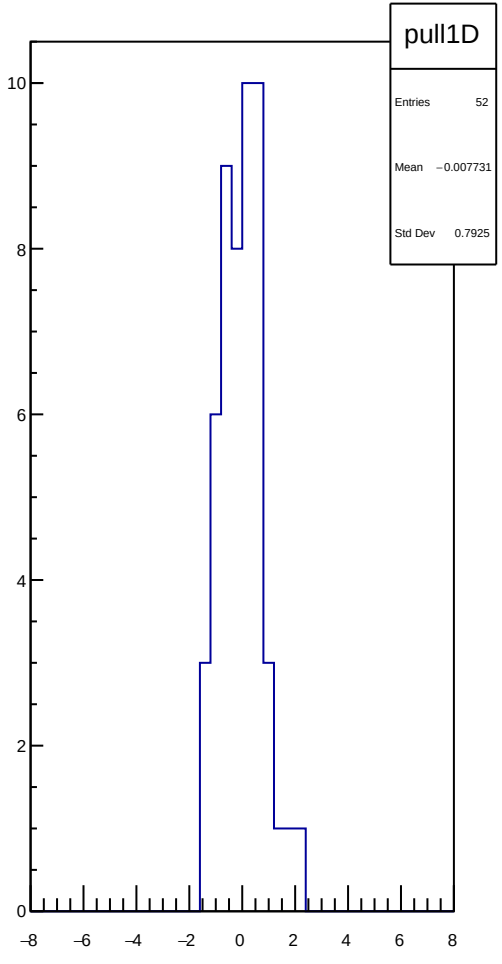

pull1D
Entries 52
Mean 0.005232
Std Dev 0.8418

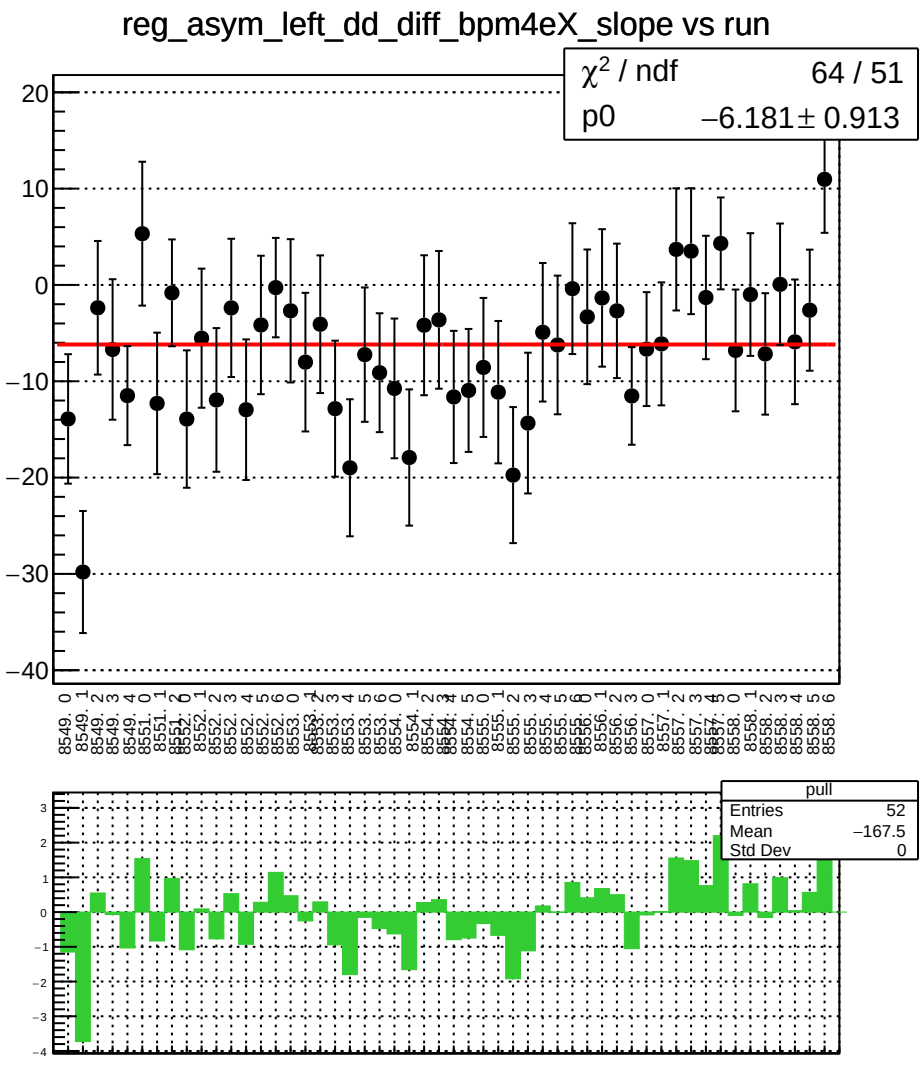

reg_asym_left_avg_diff_bpm12X_slope vs run
χ² / ndf 74.6 / 51
p0 −23.31 ± 0.09882
pull
Entries 52
Mean 42.22
Std Dev 21.71

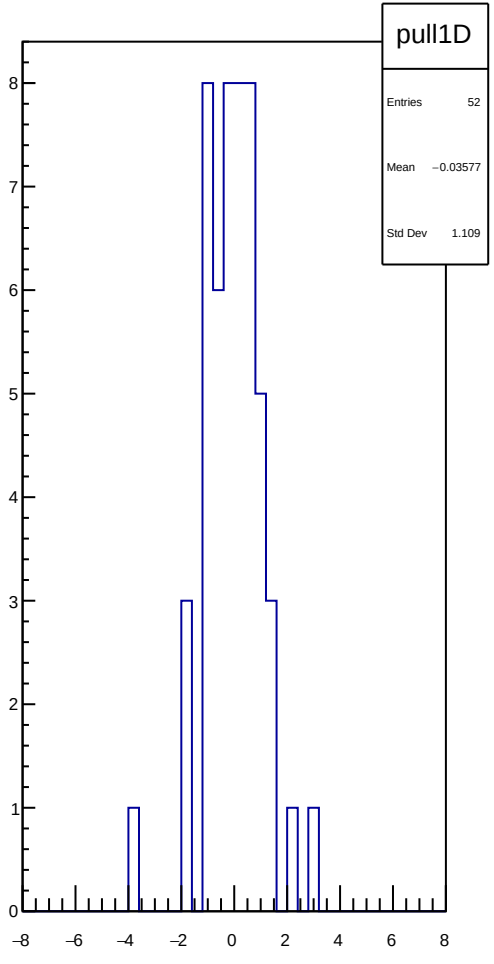

pull1D
Entries 52
Mean −0.03561
Std Dev 1.197

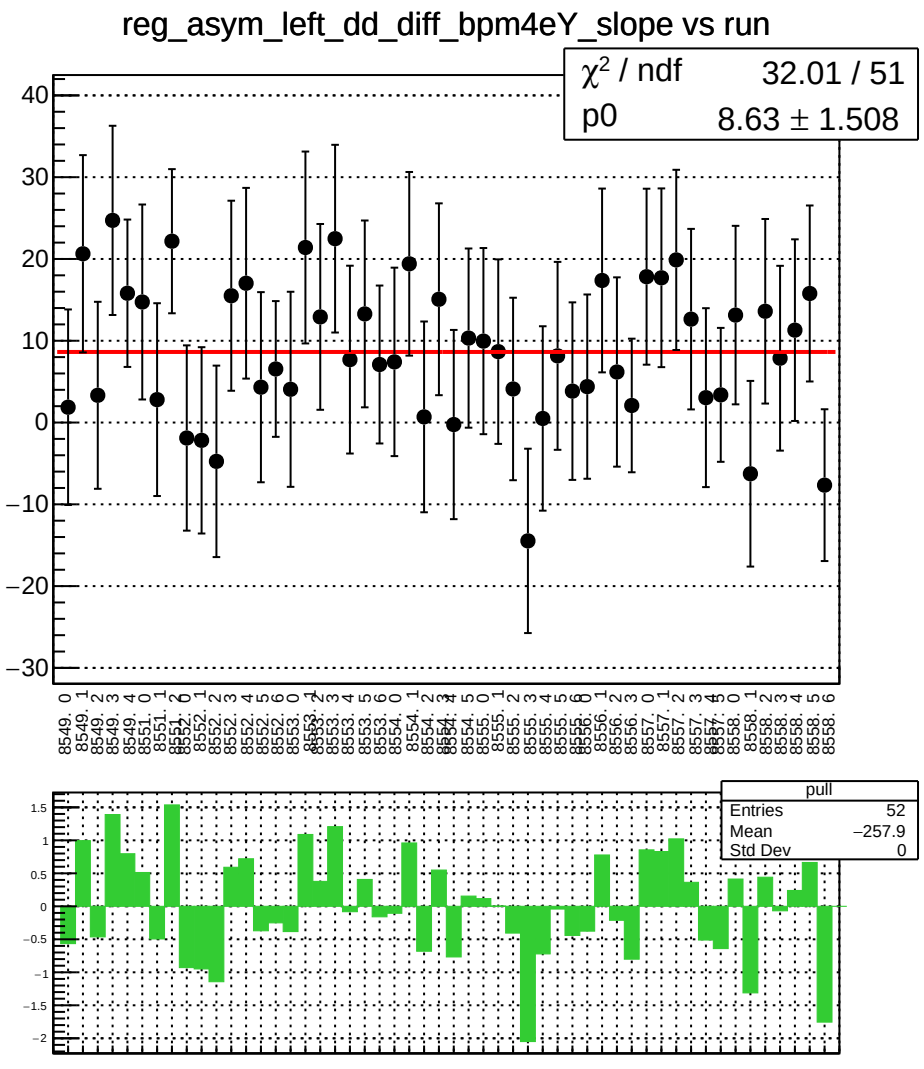

reg_asym_left_dd_diff_bpm1X_slope vs run
χ² / ndf 62.03 / 51
p0 −30.45 ± 0.8365
pull
Entries 52
Mean −103.1
Std Dev 0
pull1D
Entries 52
Mean 0.06044
Std Dev 1.09

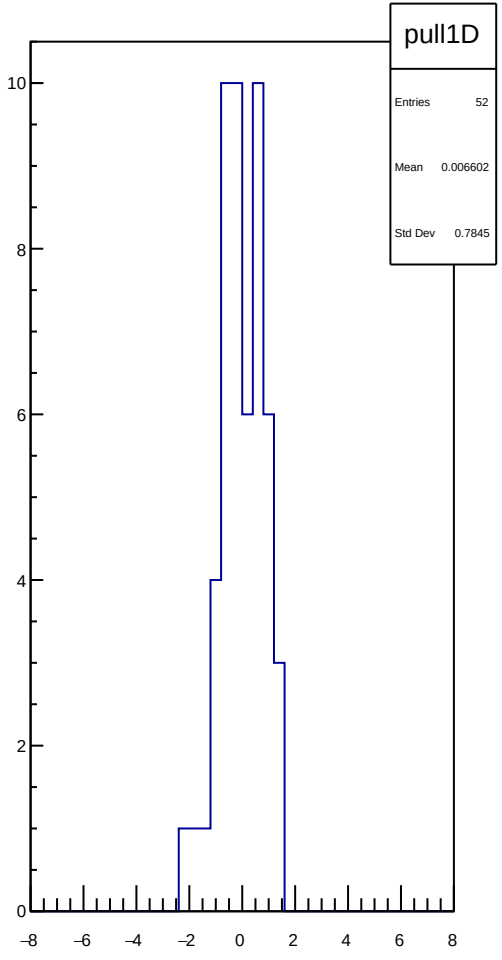

reg_asym_left_dd_diff_bpm4aY_slope vs run
χ² / ndf 32.66 / 51
p0 4.053 ± 1.422
pull
Entries 52
Mean −118.9
Std Dev 0

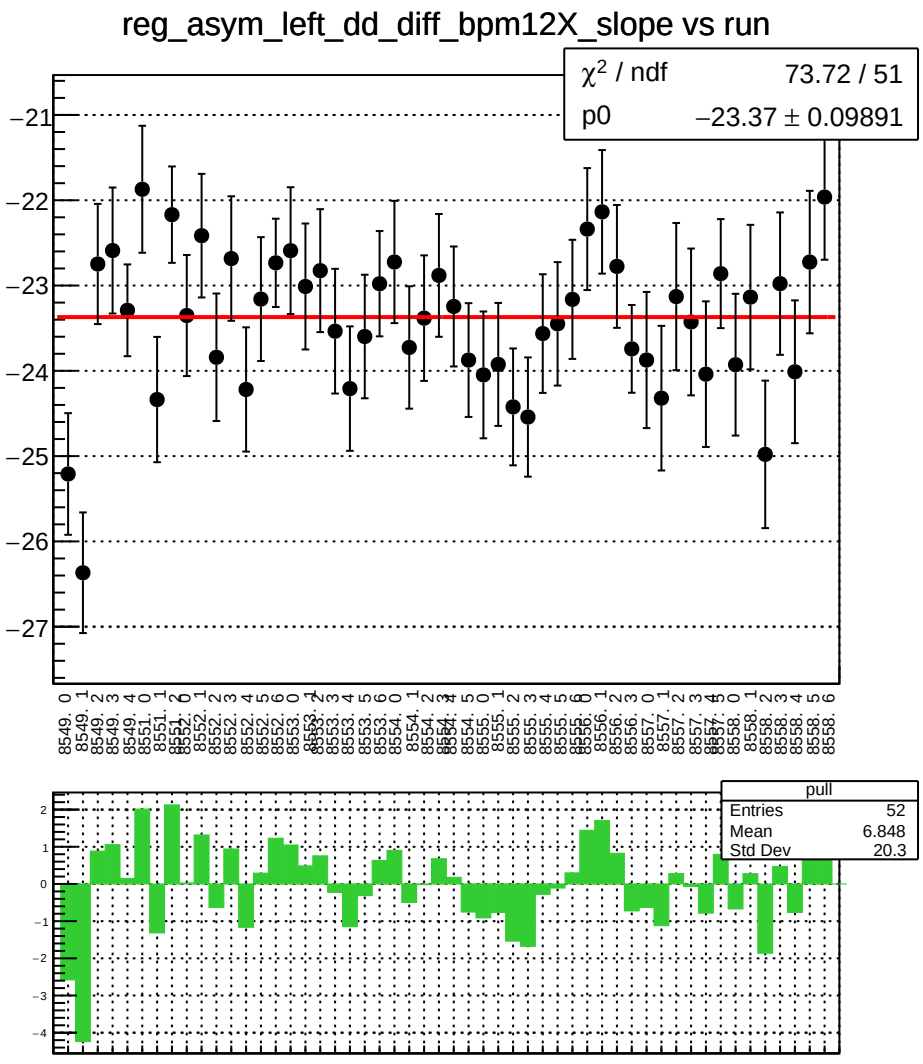

pull1D
Entries 52
Mean −0.007731
Std Dev 0.7925

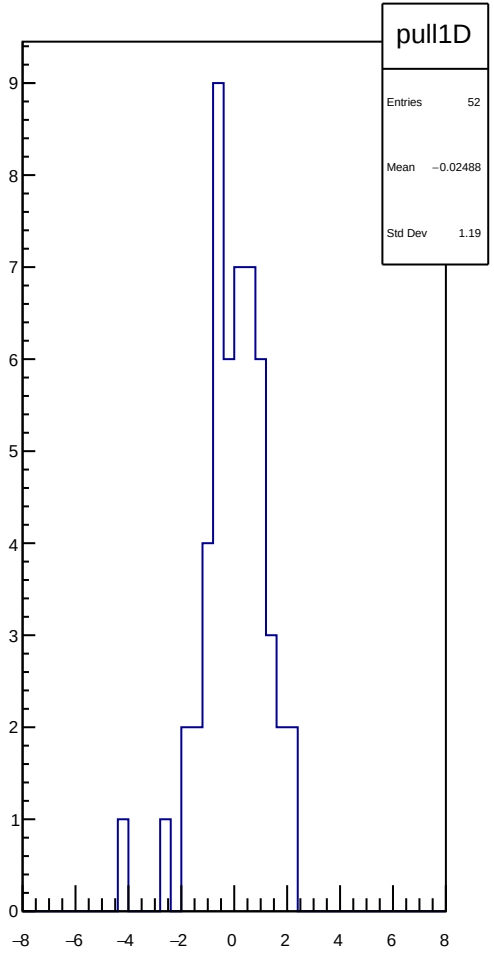

reg_asym_left_dd_diff_bpm4eX_slope vs run
χ² / ndf 64 / 51
p0 −6.181 ± 0.913
pull
Entries 52
Mean −167.5
Std Dev 0

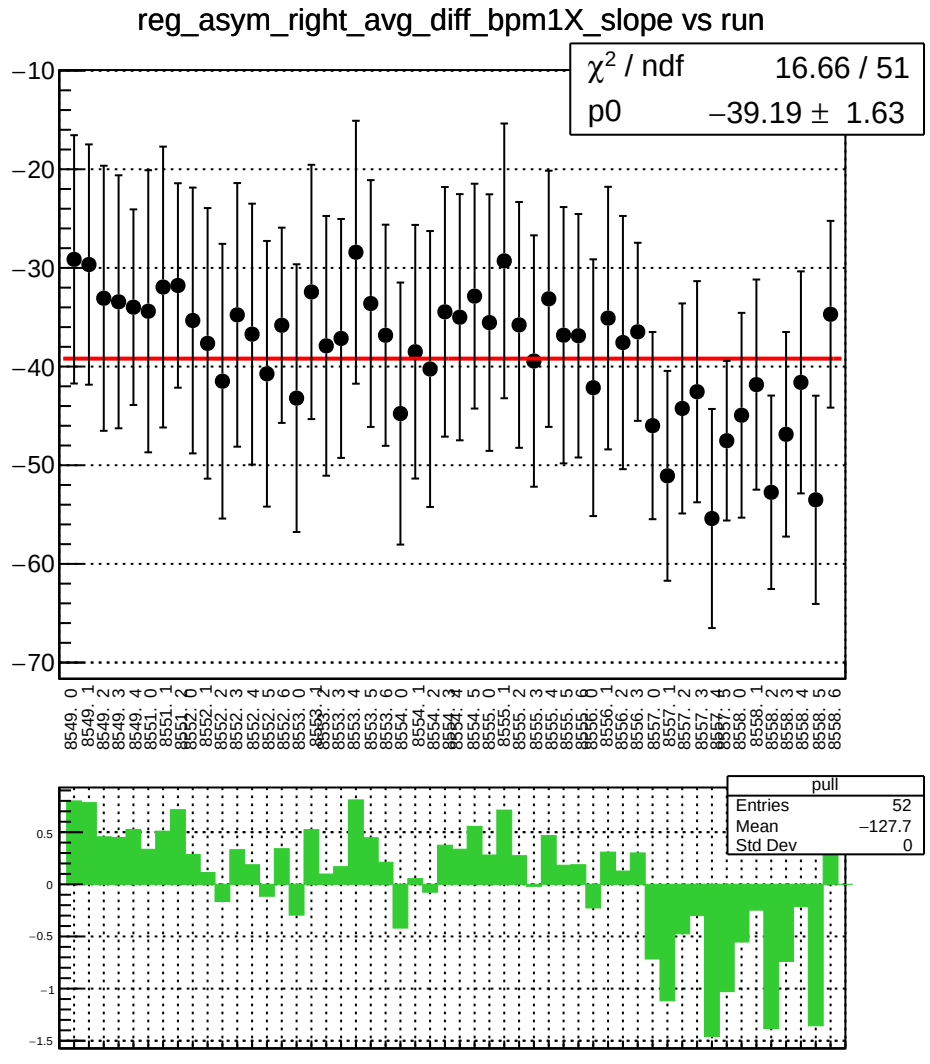

pull1D
Entries 52
Mean −0.03577
Std Dev 1.109

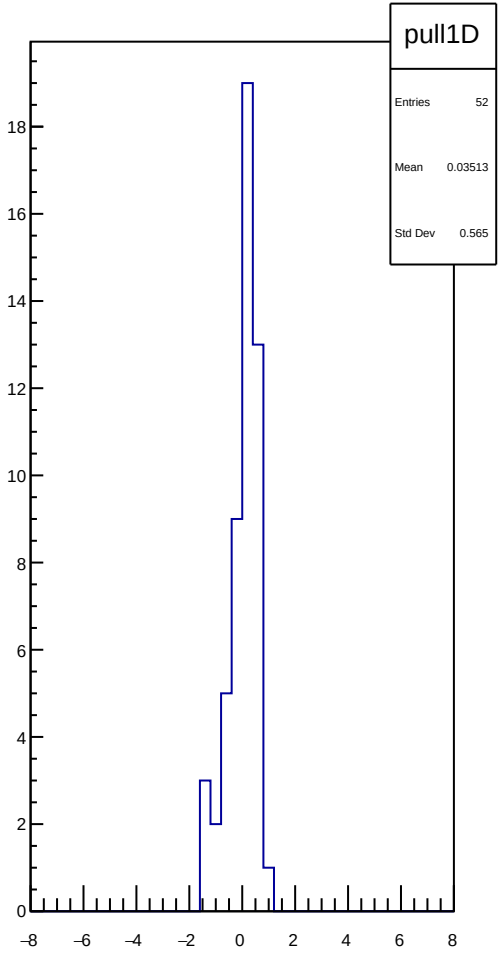

reg_asym_left_dd_diff_bpm4eY_slope vs run
χ² / ndf 32.01 / 51
p0 8.63 ± 1.508
pull
Entries 52
Mean −257.9
Std Dev 0

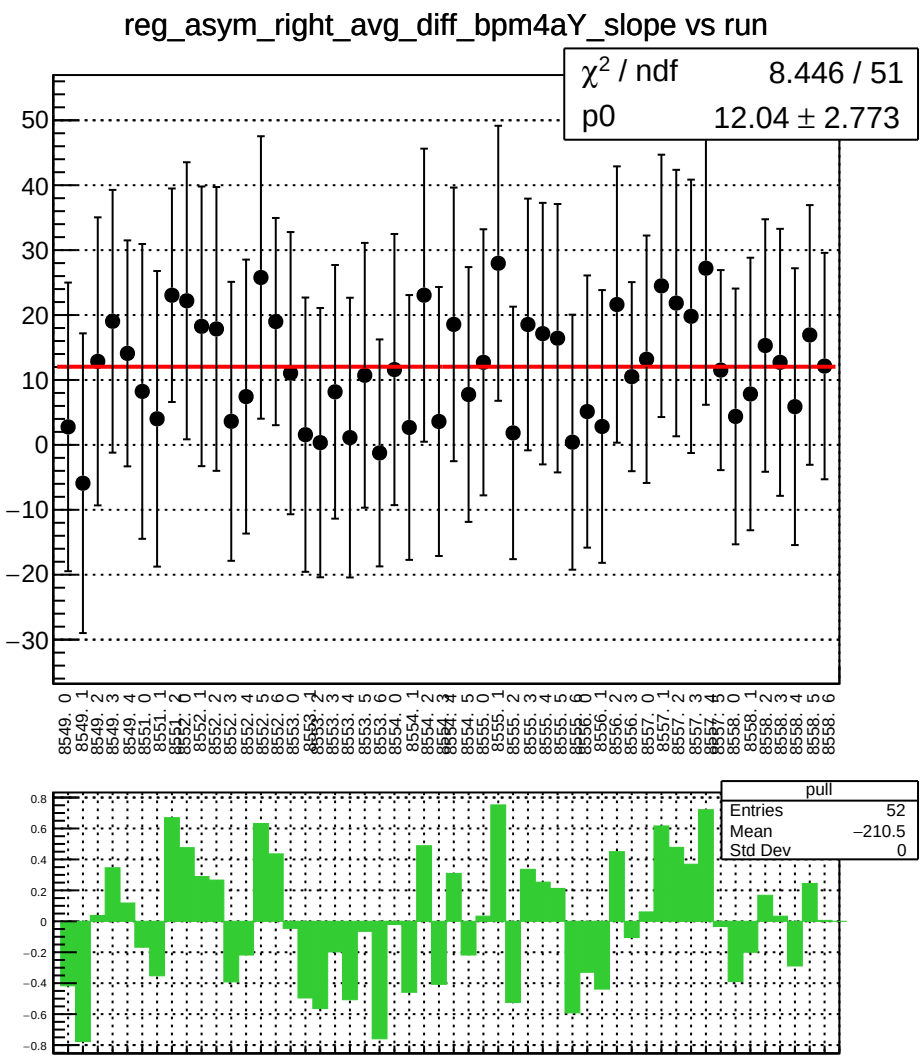

pull1D
Entries 52
Mean 0.006602
Std Dev 0.7845

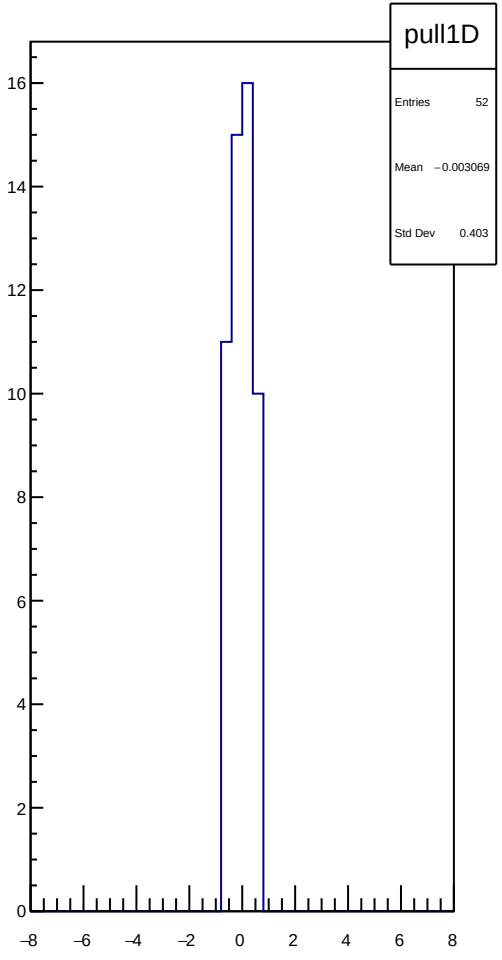

reg_asym_left_dd_diff_bpm12X_slope vs run
χ² / ndf 73.72 / 51
p0 −23.37 ± 0.09891
pull
Entries 52
Mean 6.848
Std Dev 20.3

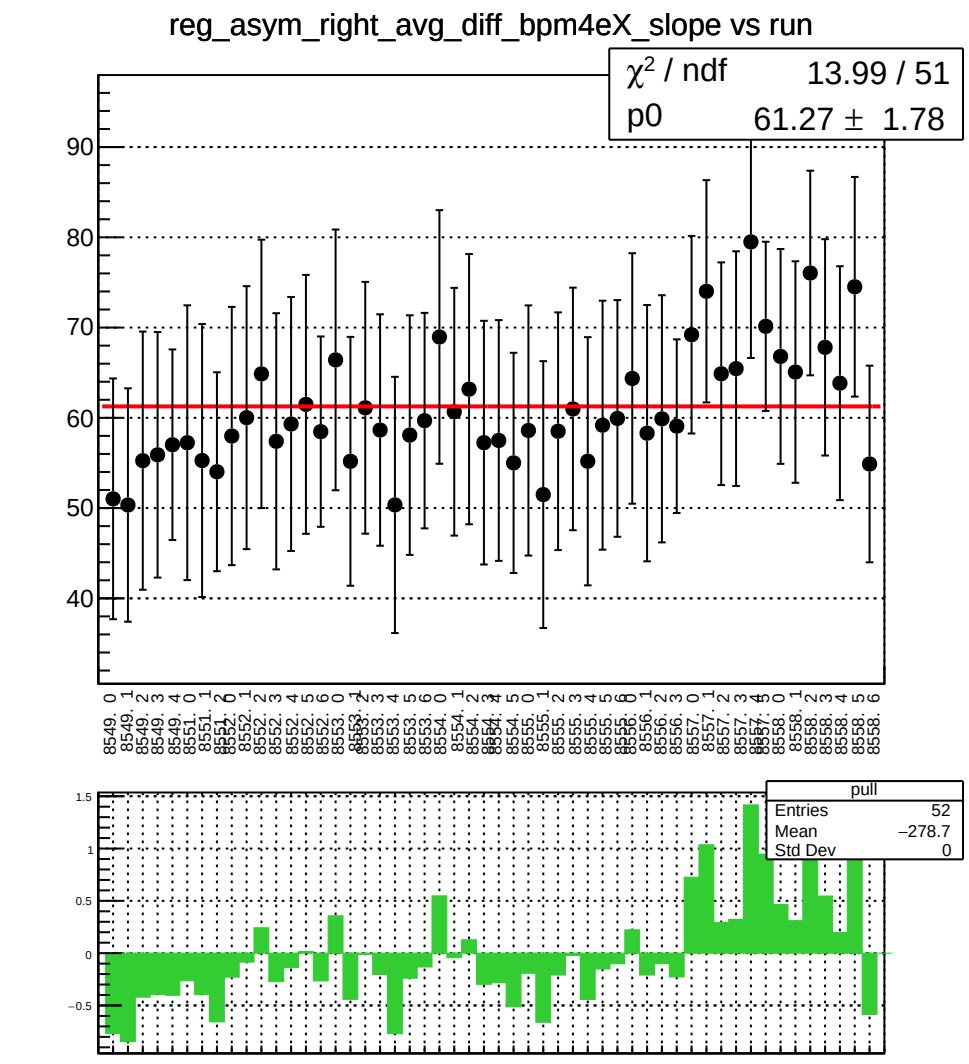

pull1D
Entries 52
Mean −0.02488
Std Dev 1.19

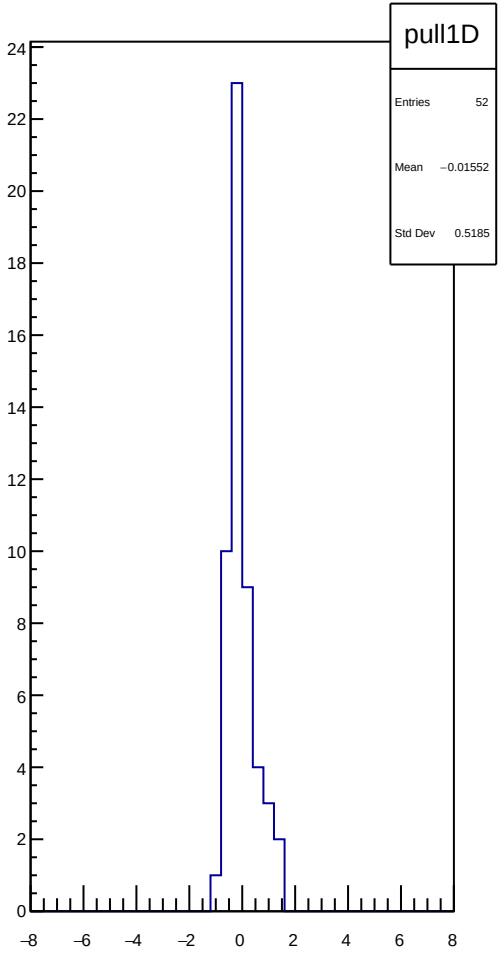

reg_asym_right_avg_diff_bpm1X_slope vs run
χ² / ndf 16.66 / 51
p0 −39.19 ± 1.63
pull
Entries 52
Mean −127.7
Std Dev 0

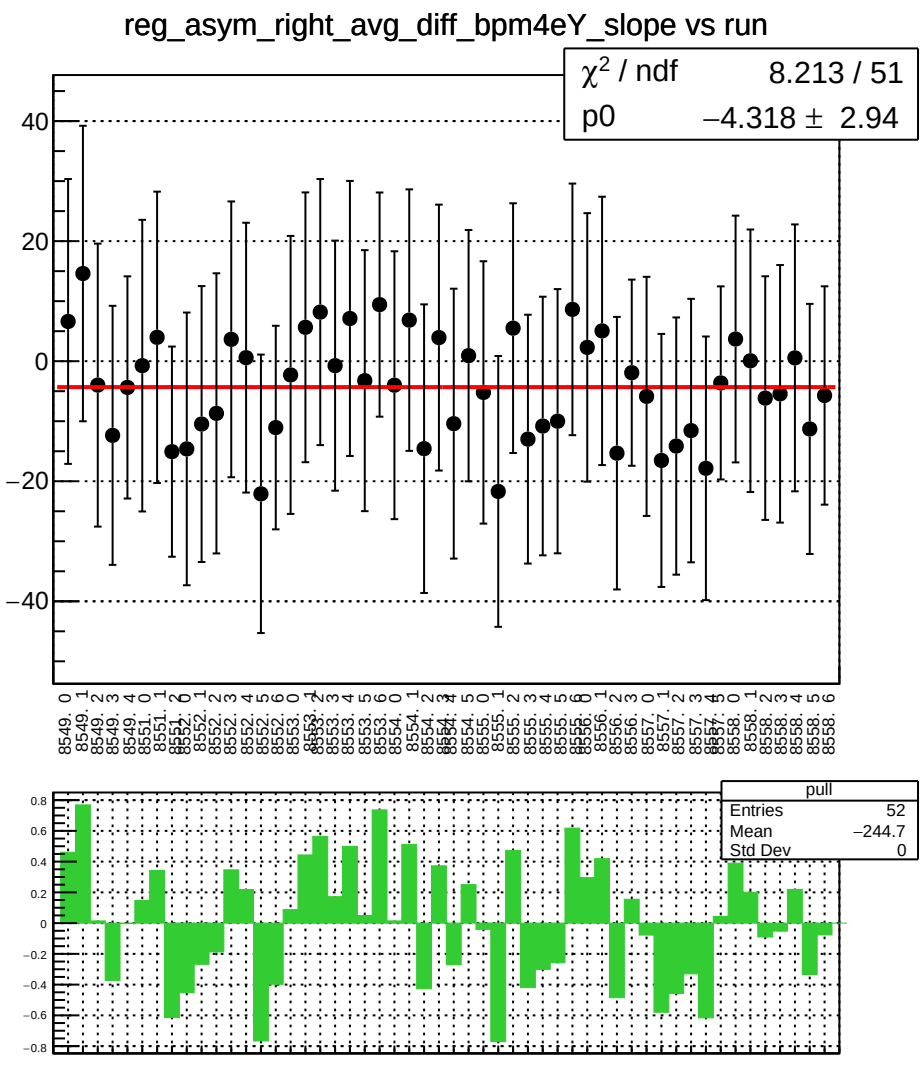

pull1D
Entries 52
Mean 0.03513
Std Dev 0.565

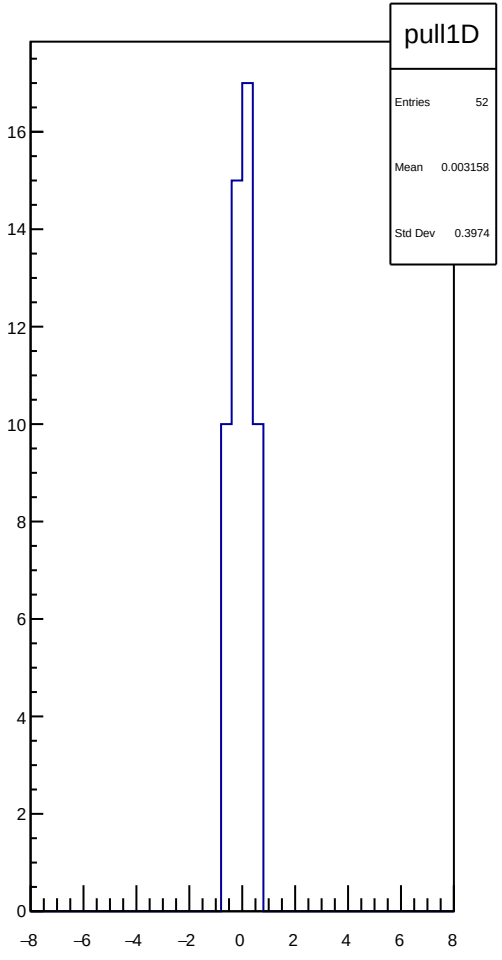

reg_asym_right_avg_diff_bpm4aY_slope vs run
χ² / ndf 8.446 / 51
p0 12.04 ± 2.773
pull
Entries 52
Mean −210.5
Std Dev 0

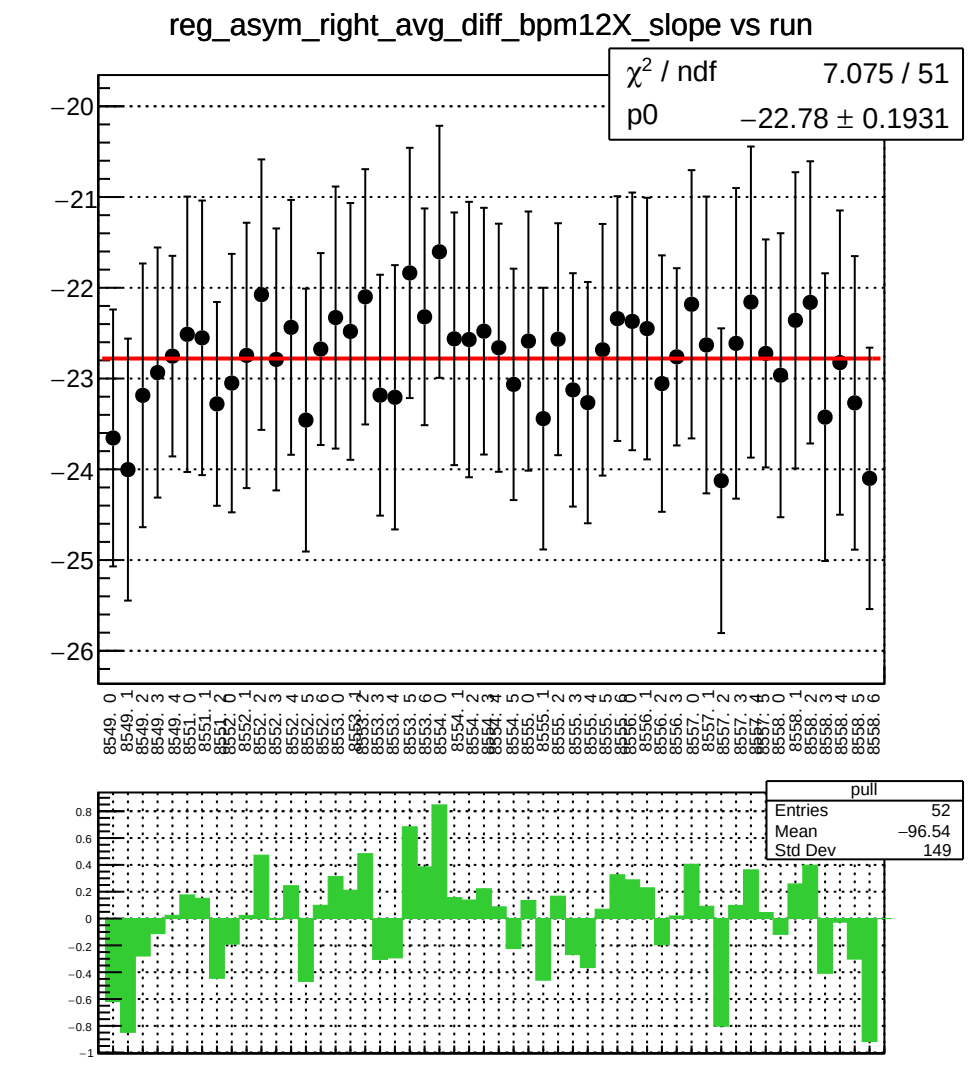

pull1D
Entries 52
Mean −0.003069
Std Dev 0.403

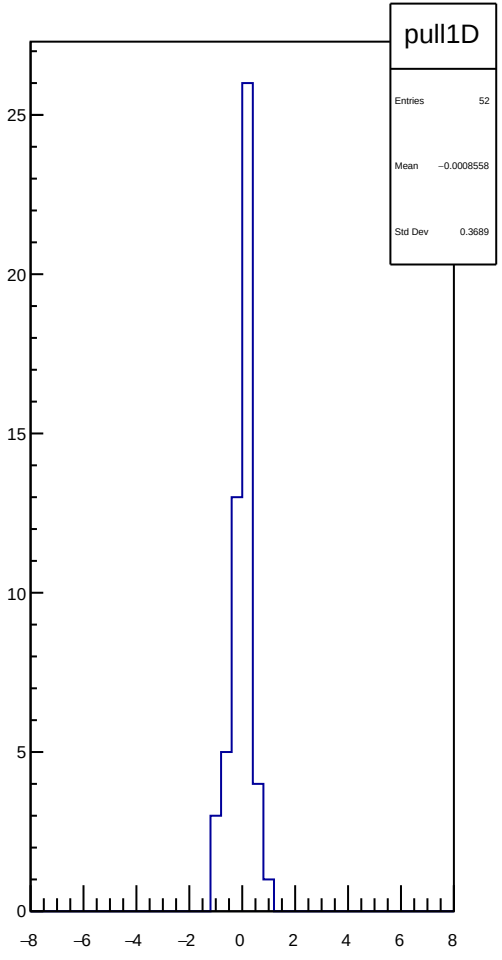

reg_asym_right_avg_diff_bpm4eX_slope vs run
χ² / ndf 13.99 / 51
p0 61.27 ± 1.78
pull
Entries 52
Mean −278.7
Std Dev 0

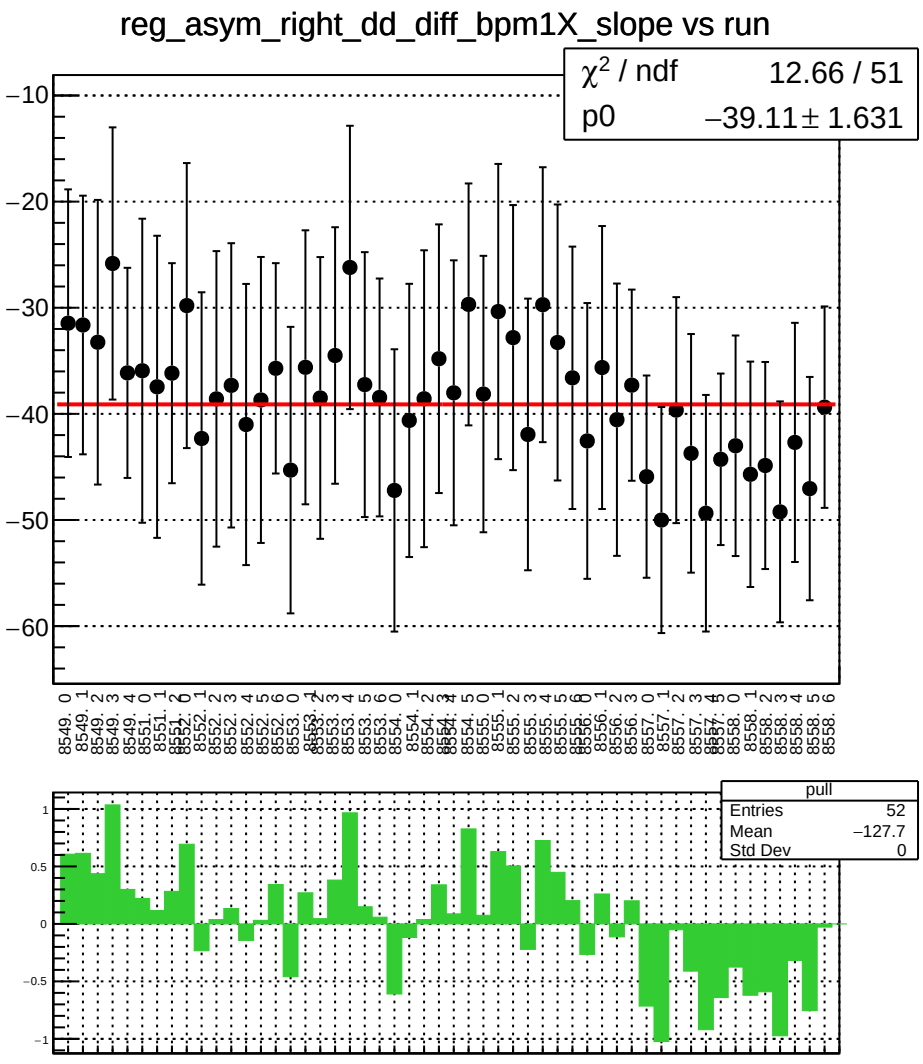

pull1D
Entries 52
Mean −0.01552
Std Dev 0.5185

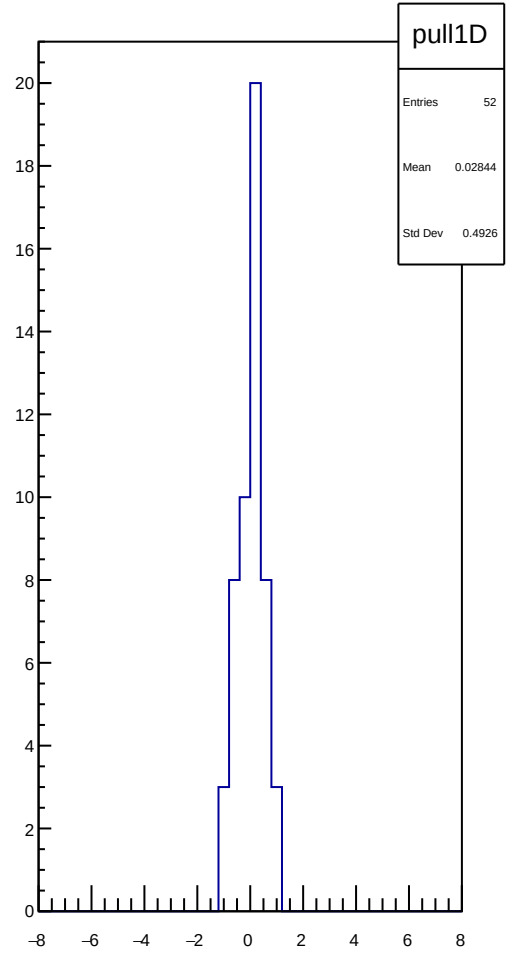

reg_asym_right_avg_diff_bpm4eY_slope vs run
χ² / ndf 8.213 / 51
p0 −4.318 ± 2.94
pull
Entries 52
Mean −244.7
Std Dev 0

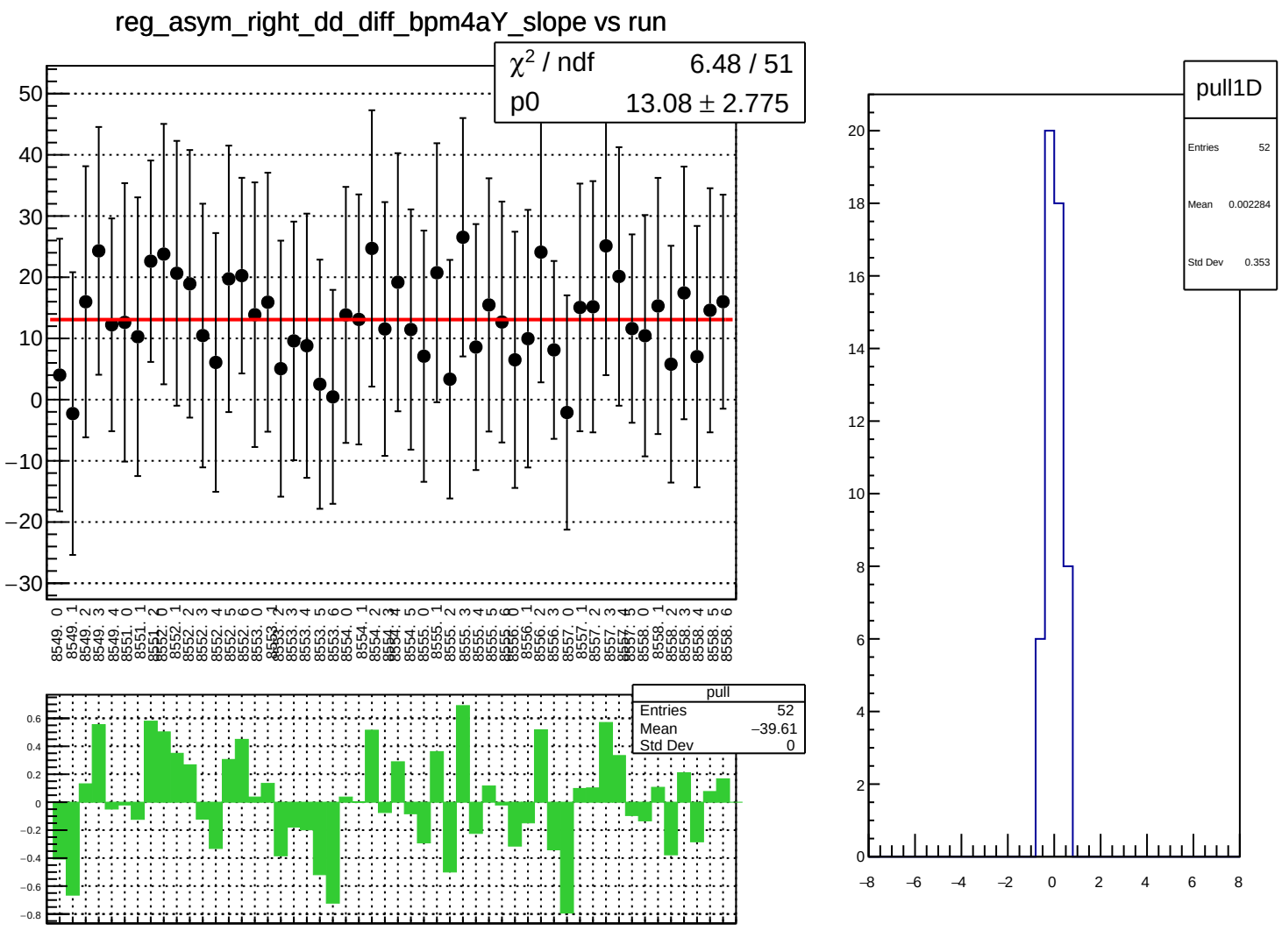

pull1D
Entries 52
Mean 0.003158
Std Dev 0.3974

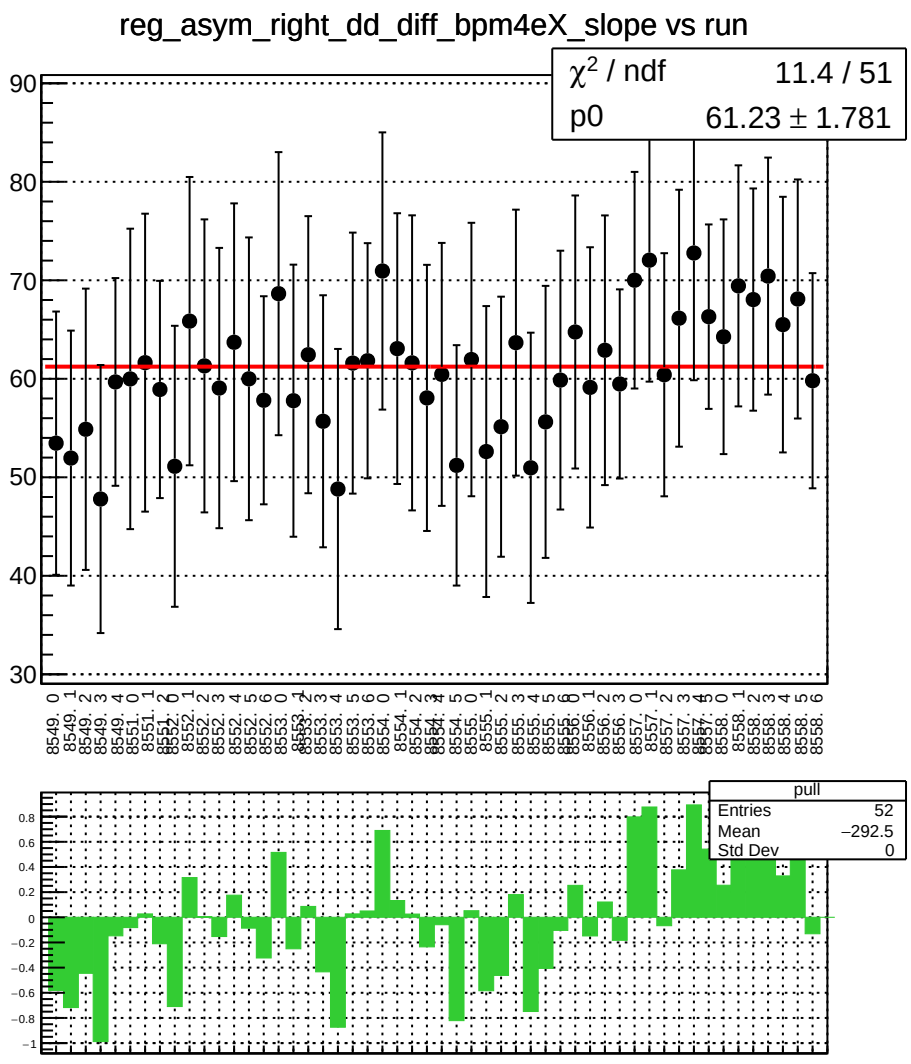

reg_asym_right_avg_diff_bpm12X_slope vs run
χ² / ndf 7.075 / 51
p0 −22.78 ± 0.1931
pull
Entries 52
Mean −96.54
Std Dev 149

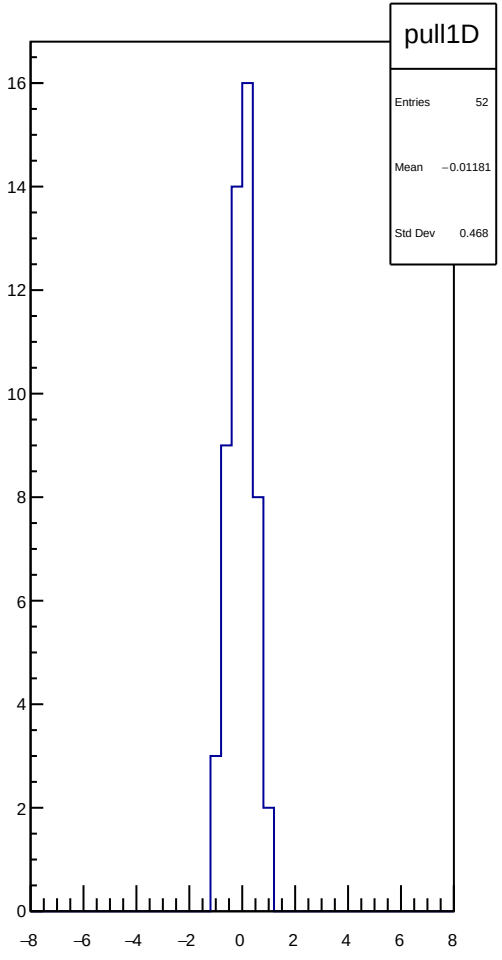

pull1D
Entries 52
Mean −0.0008558
Std Dev 0.3689

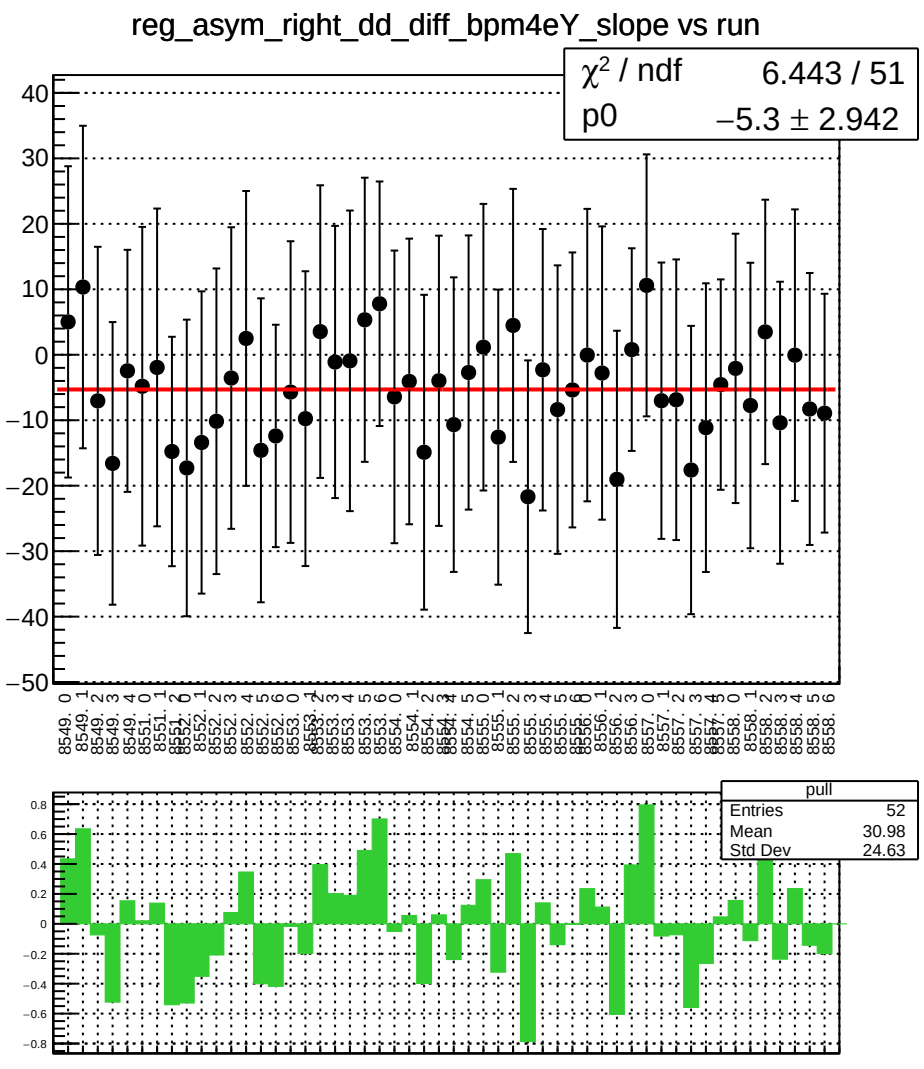

reg_asym_right_dd_diff_bpm1X_slope vs run
χ^2 / ndf 12.66 / 51
p0 −39.11 ± 1.631
pull
Entries 52
Mean −127.7
Std Dev 0

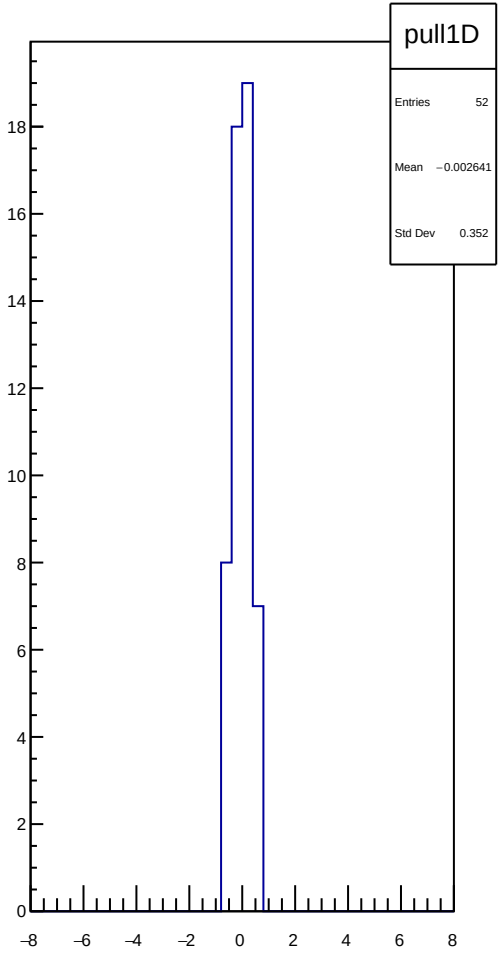

pull1D
Entries 52
Mean 0.02844
Std Dev 0.4926

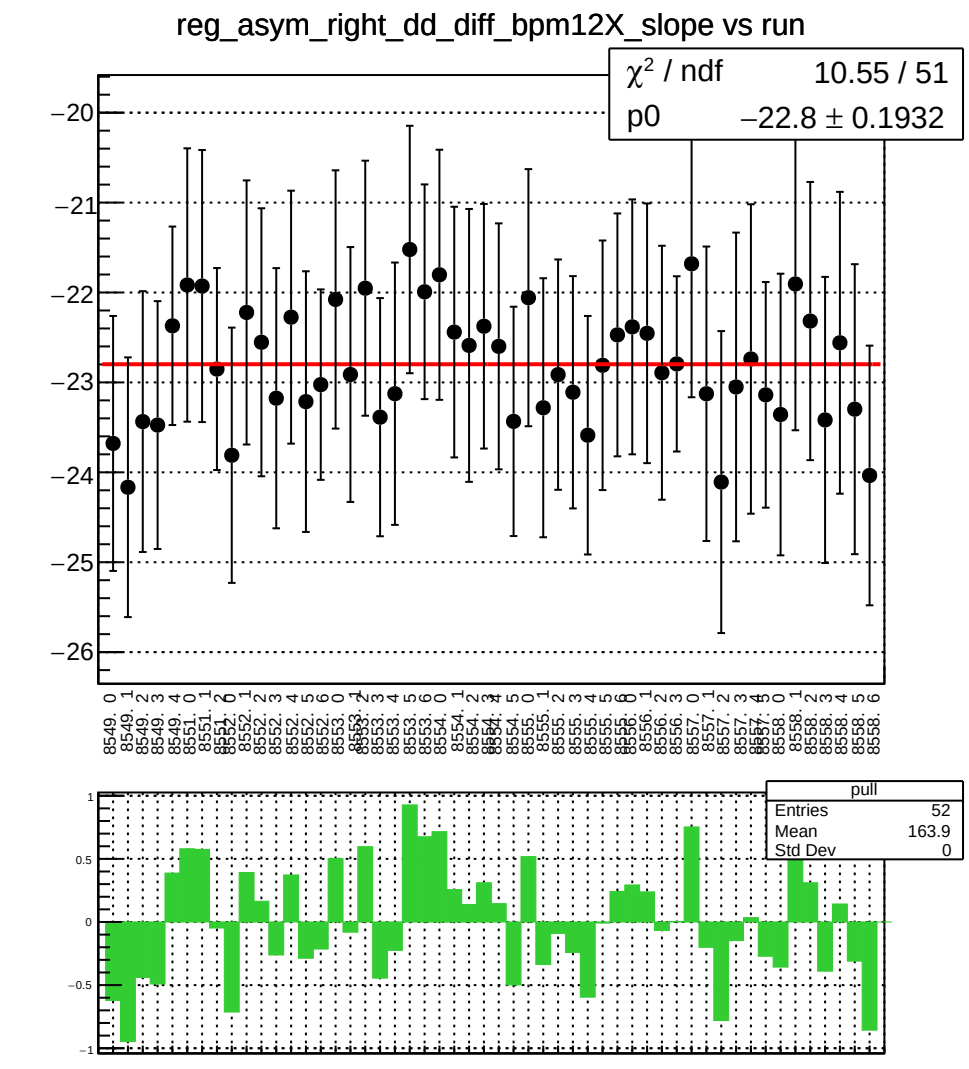

reg_asym_right_dd_diff_bpm4aY_slope vs run
χ² / ndf 6.48 / 51
p0 13.08 ± 2.775
pull
Entries 52
Mean −39.61
Std Dev 0
pull1D
Entries 52
Mean 0.002284
Std Dev 0.353

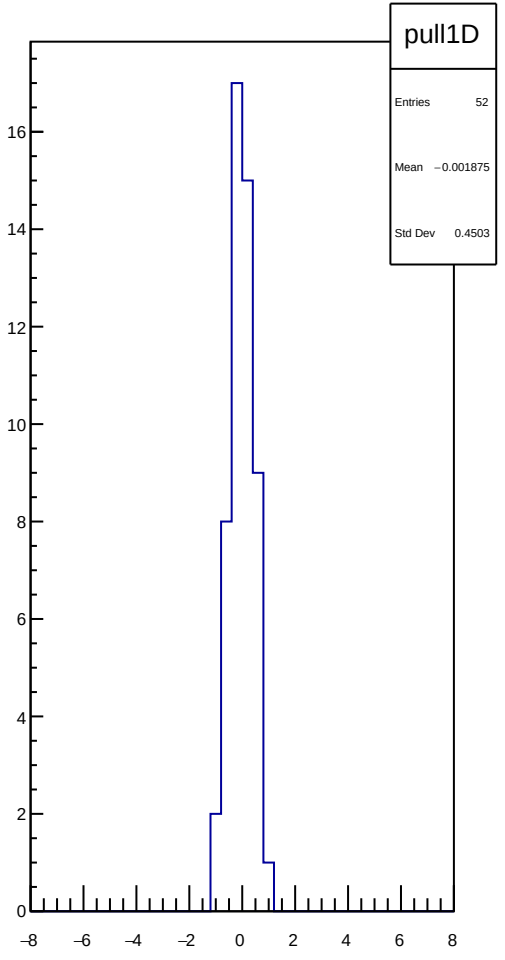

reg_asym_right_dd_diff_bpm4eX_slope vs run
χ² / ndf 11.4 / 51
p0 61.23 ± 1.781
pull
Entries 52
Mean −292.5
Std Dev 0

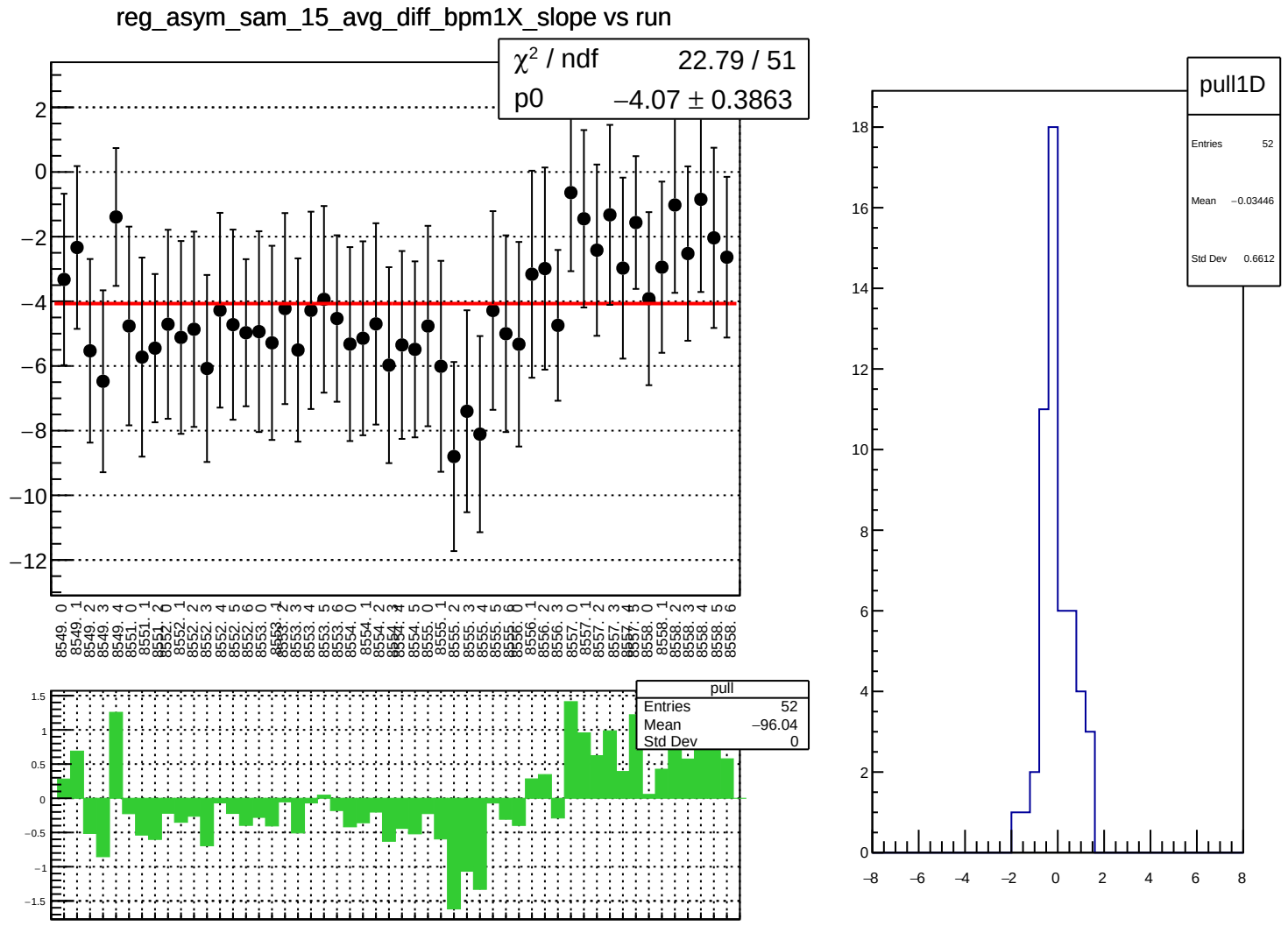

pull1D
Entries 52
Mean −0.01181
Std Dev 0.468

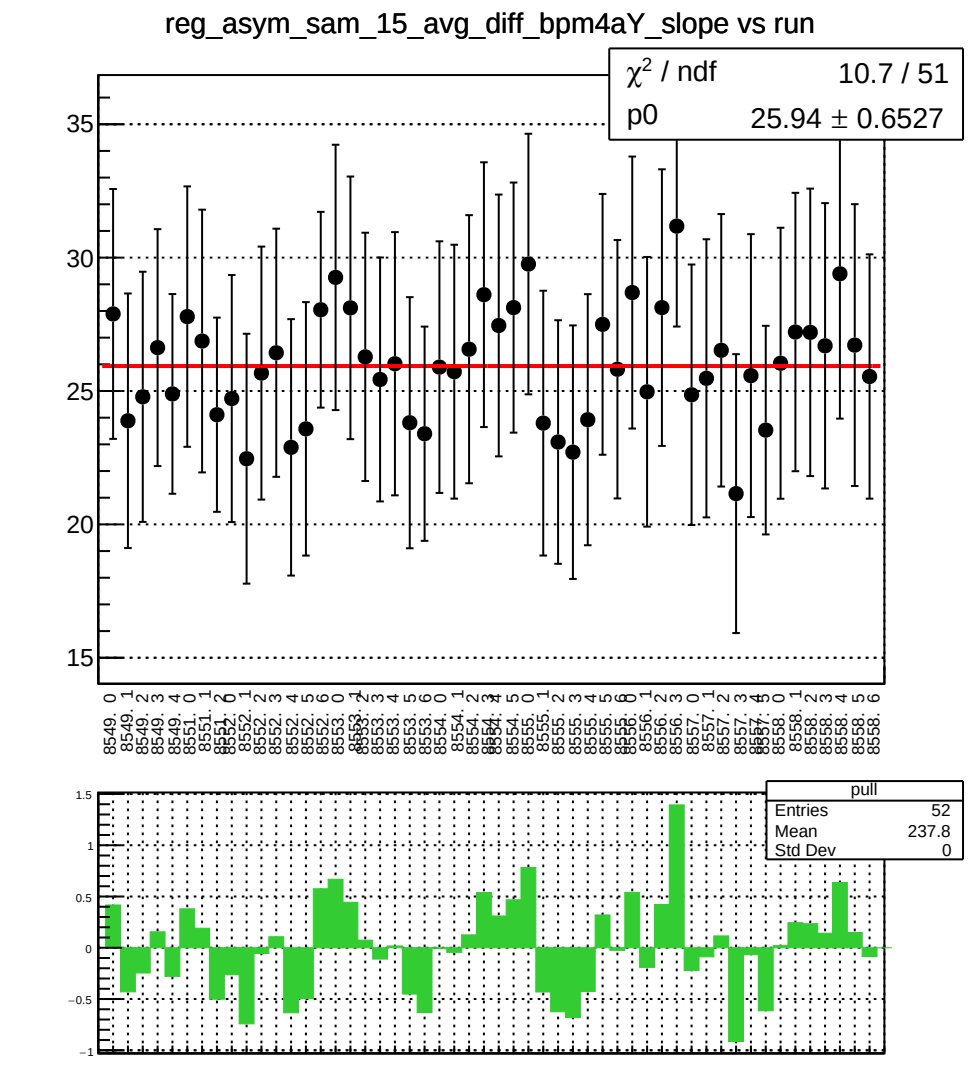

reg_asym_right_dd_diff_bpm4eY_slope vs run
χ² / ndf 6.443 / 51
p0 −5.3 ± 2.942
pull
Entries 52
Mean 30.98
Std Dev 24.63

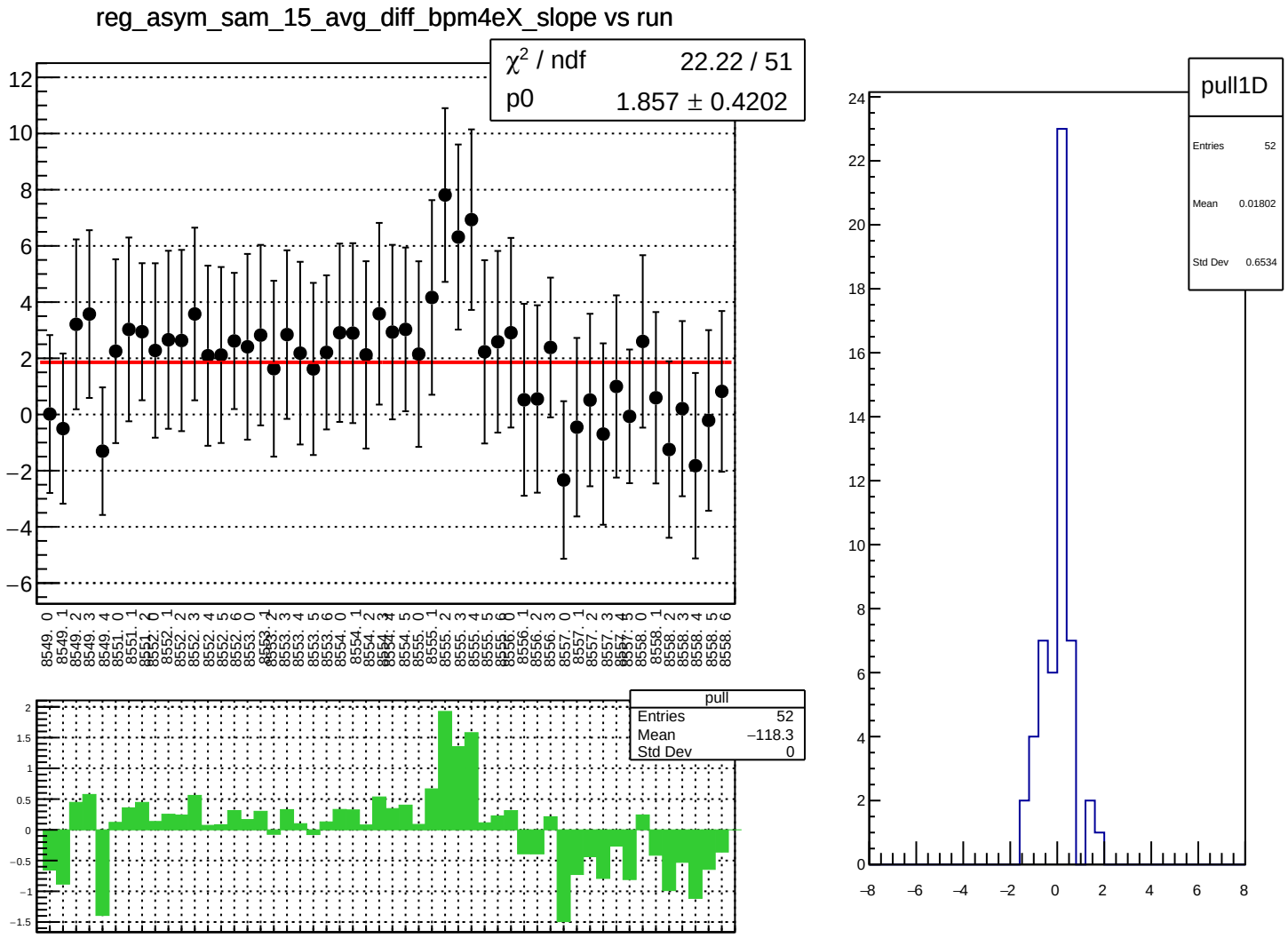

pull1D
Entries 52
Mean −0.002641
Std Dev 0.352

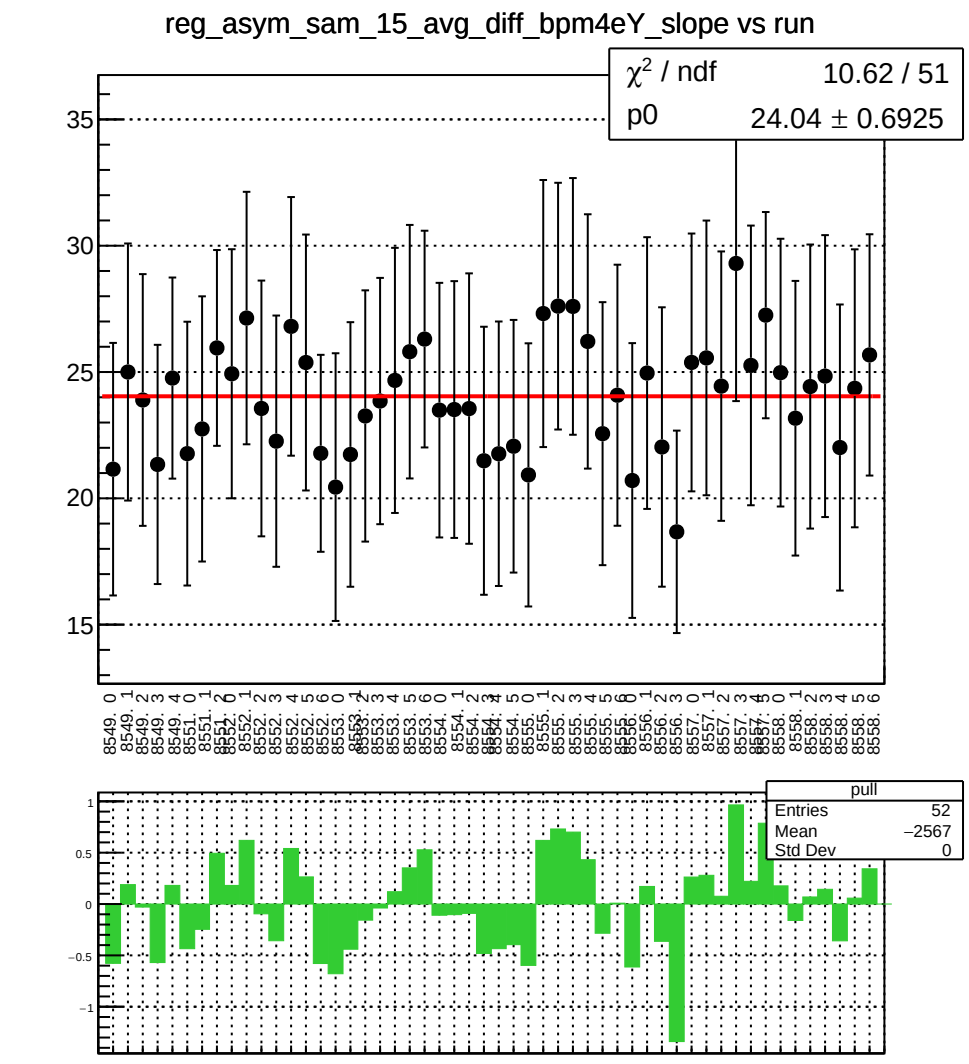

reg_asym_right_dd_diff_bpm12X_slope vs run
χ² / ndf 10.55 / 51
p0 −22.8 ± 0.1932
pull
Entries 52
Mean 163.9
Std Dev 0

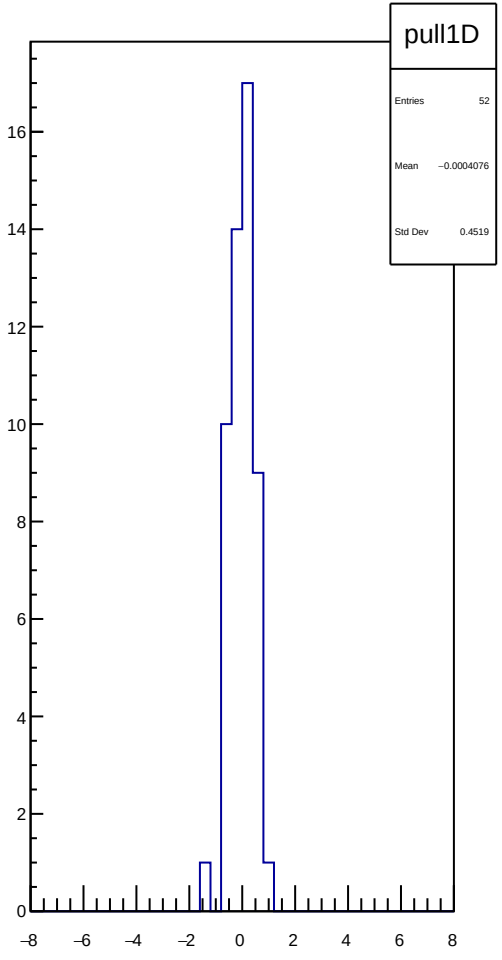

pull1D
Entries 52
Mean −0.001875
Std Dev 0.4503

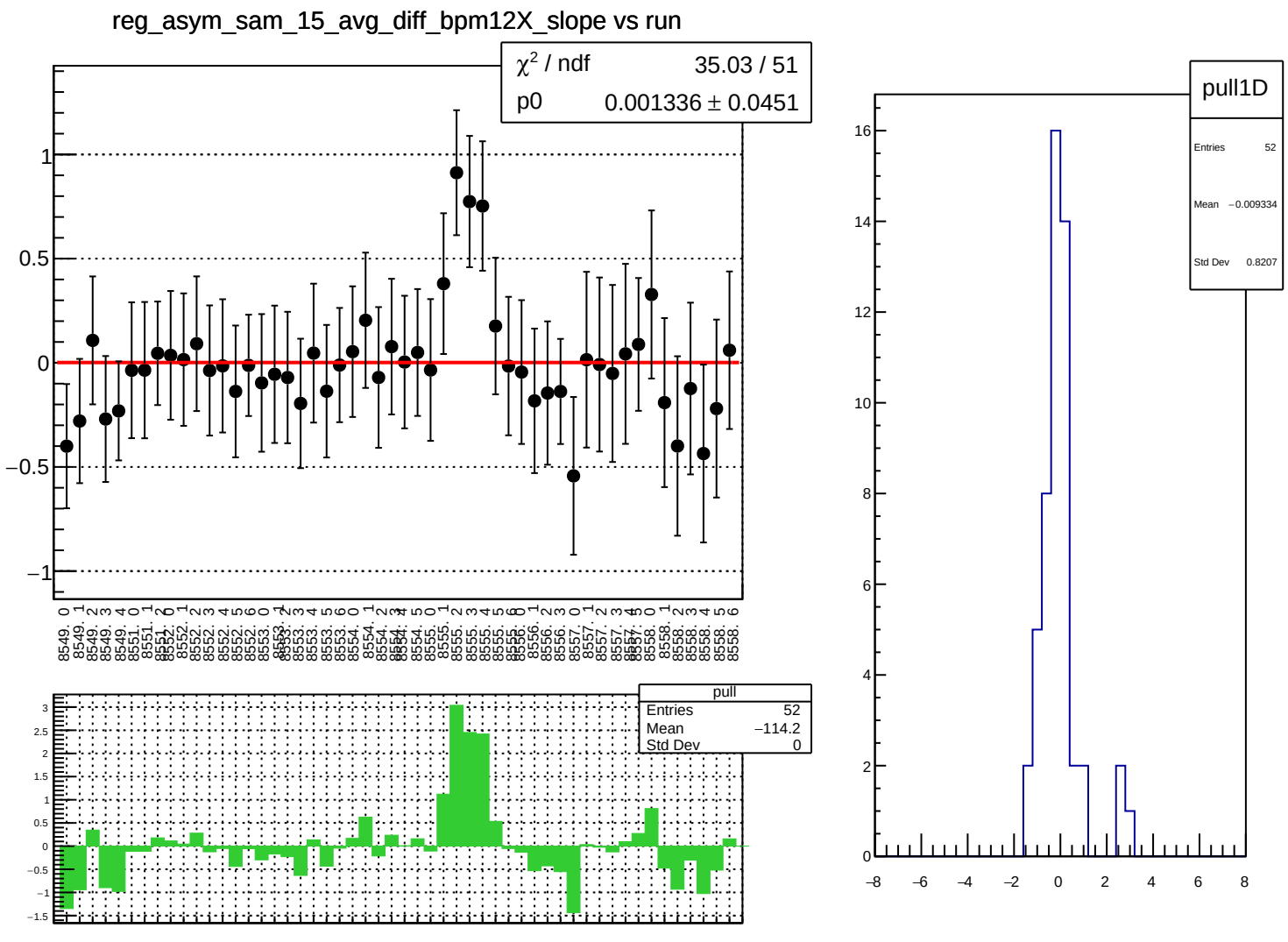

reg_asym_sam_15_avg_diff_bpm1X_slope vs run
χ² / ndf 22.79 / 51
p0 −4.07 ± 0.3863
pull
Entries 52
Mean −96.04
Std Dev 0
pull1D
Entries 52
Mean −0.03446
Std Dev 0.6612

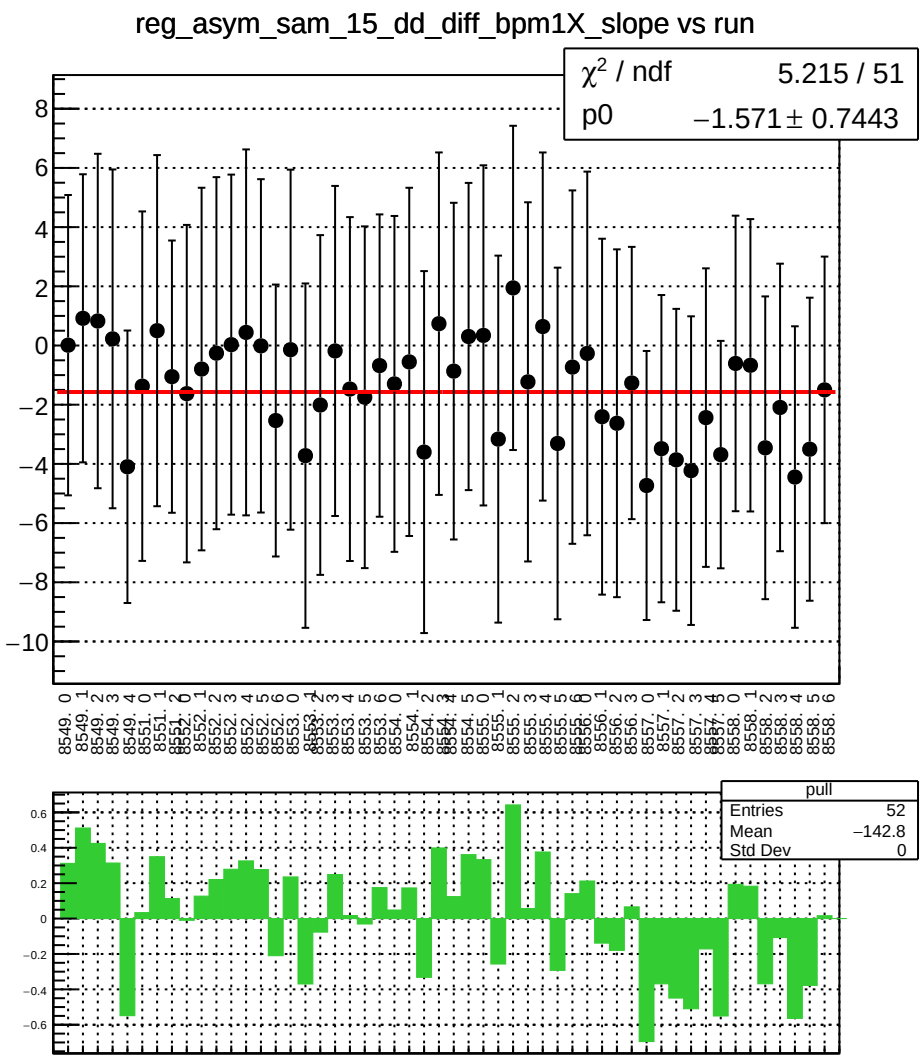

reg_asym_sam_15_avg_diff_bpm4aY_slope vs run
χ² / ndf 10.7 / 51
p0 25.94 ± 0.6527
pull
Entries 52
Mean 237.8
Std Dev 0
pull1D
Entries 52
Mean 0.003965
Std Dev 0.4535

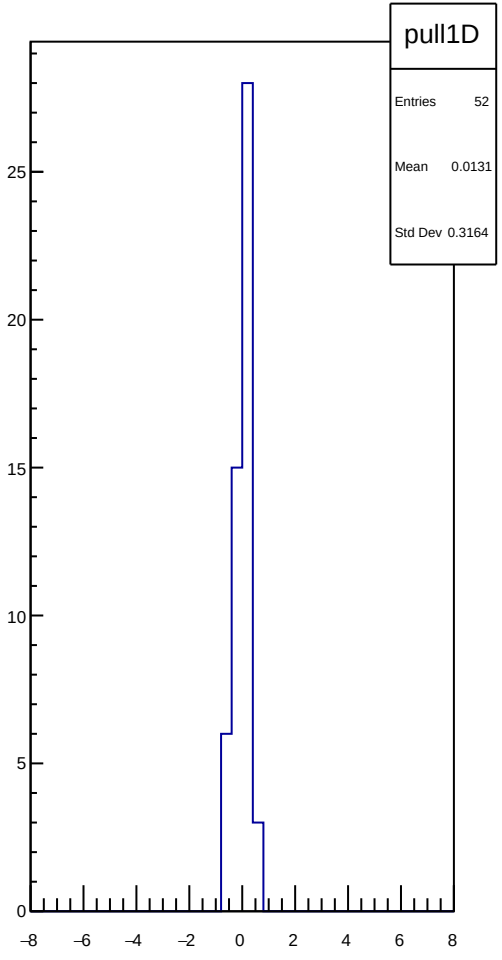

reg_asym_sam_15_avg_diff_bpm4eX_slope vs run
χ² / ndf 22.22 / 51
p0 1.857 ± 0.4202
pull
Entries 52
Mean −118.3
Std Dev 0
pull1D
Entries 52
Mean 0.01802
Std Dev 0.6534

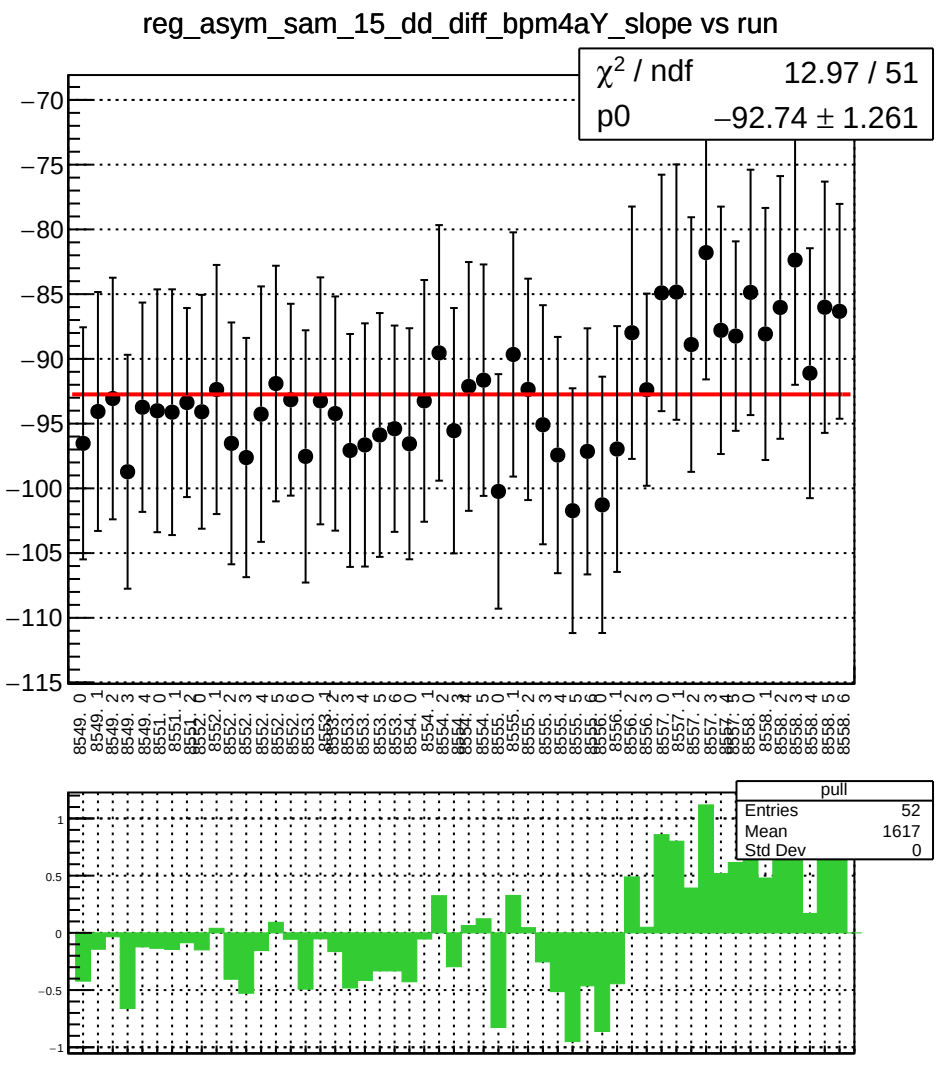

reg_asym_sam_15_avg_diff_bpm4eY_slope vs run
χ² / ndf 10.62 / 51
p0 24.04 ± 0.6925
pull
Entries 52
Mean −2567
Std Dev 0

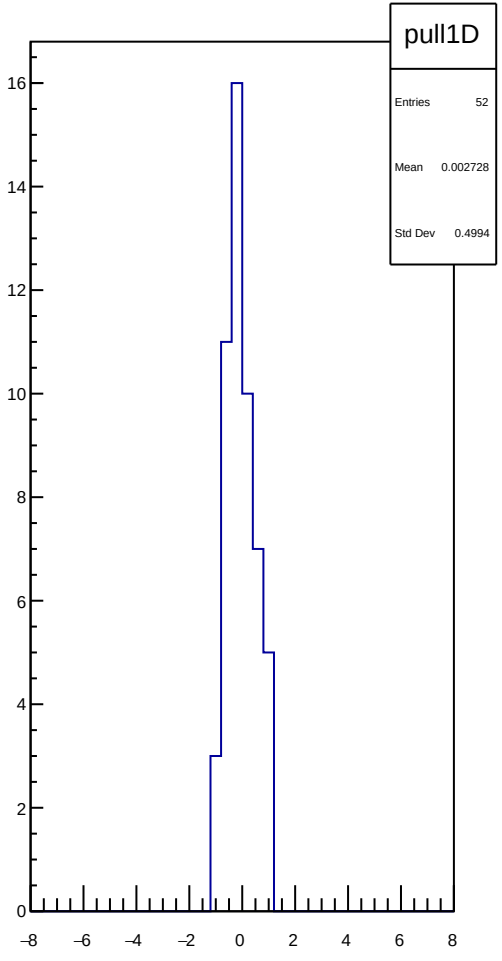

pull1D
Entries 52
Mean −0.0004076
Std Dev 0.4519

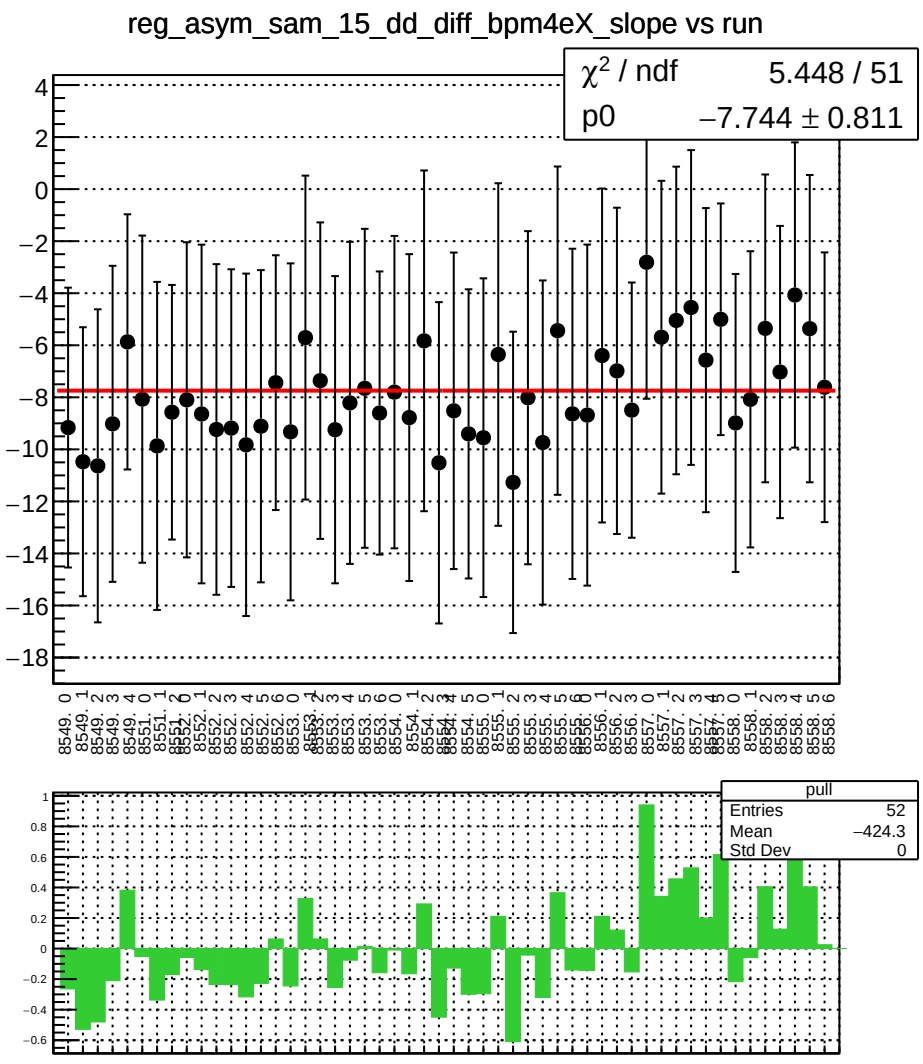

reg_asym_sam_15_avg_diff_bpm12X_slope vs run
χ² / ndf 35.03 / 51
p0 0.001336 ± 0.0451
pull
Entries 52
Mean −114.2
Std Dev 0
pull1D
Entries 52
Mean −0.009334
Std Dev 0.8207

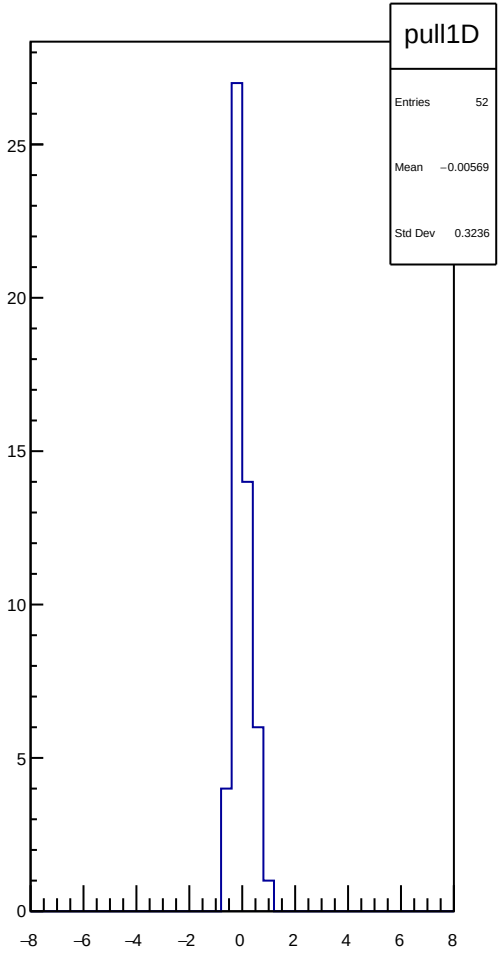

reg_asym_sam_15_dd_diff_bpm1X_slope vs run
χ² / ndf 5.215 / 51
p0 −1.571 ± 0.7443
pull
Entries 52
Mean −142.8
Std Dev 0

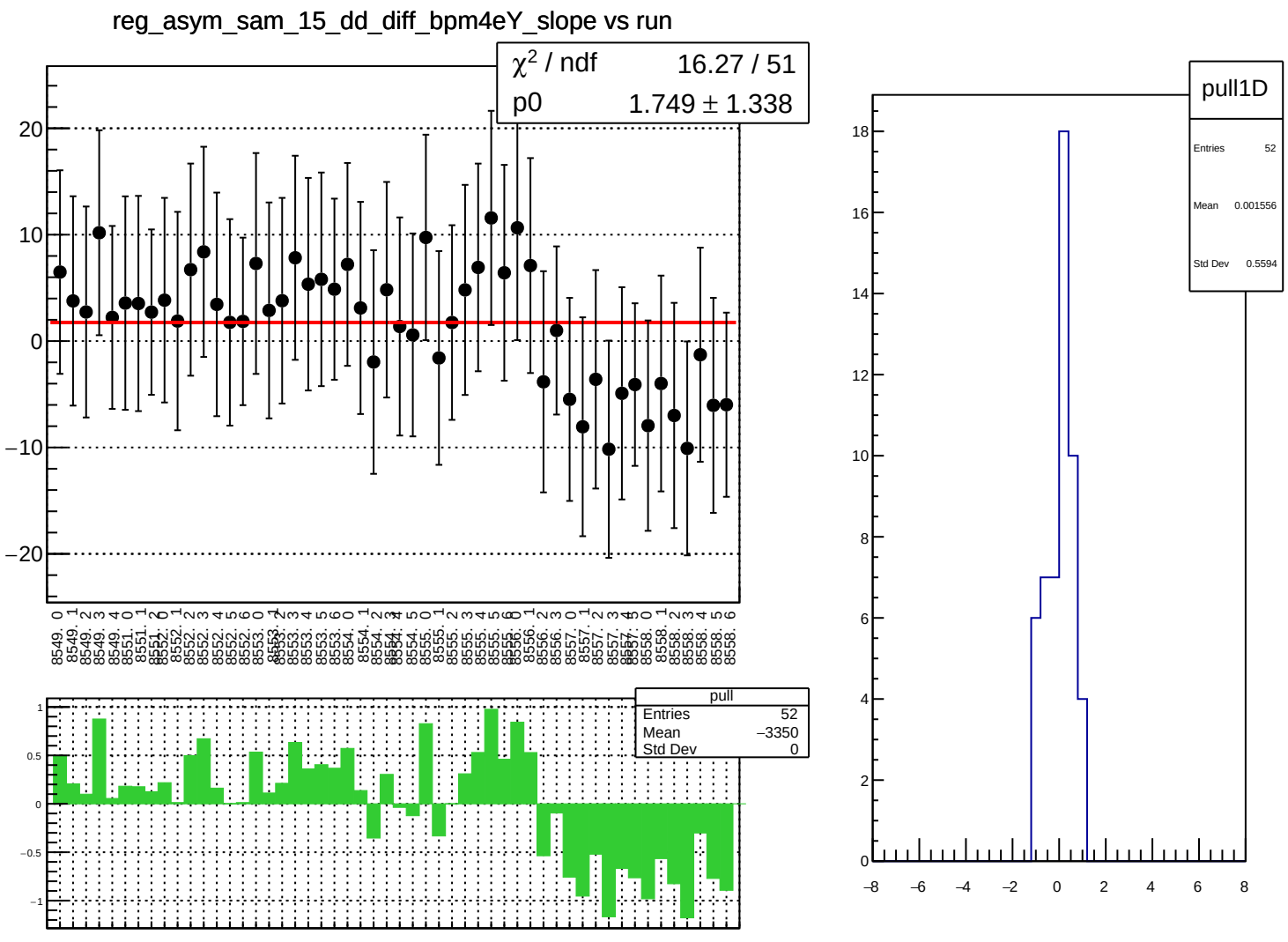

pull1D
Entries 52
Mean 0.0131
Std Dev 0.3164

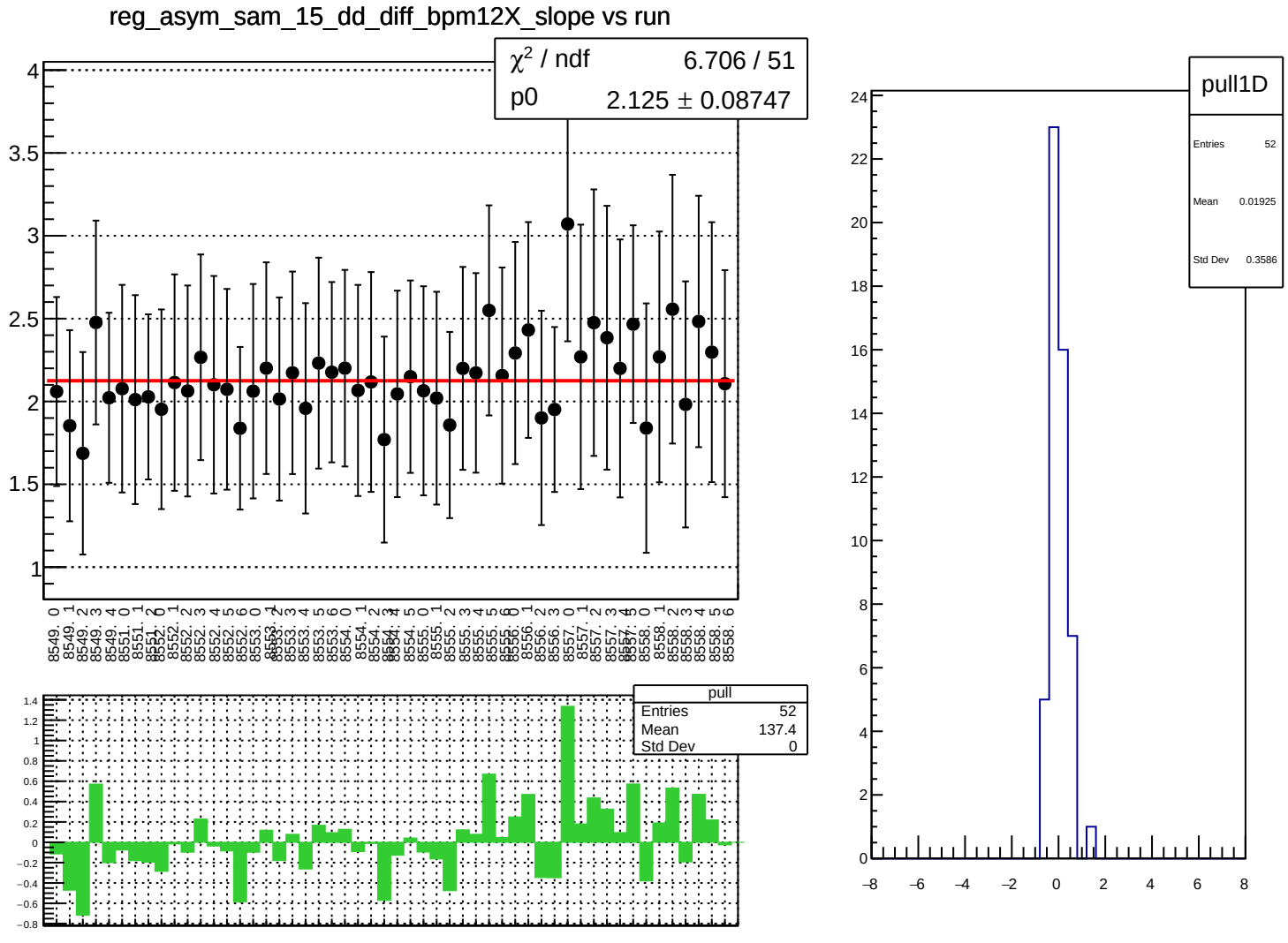

reg_asym_sam_15_dd_diff_bpm4aY_slope vs run
χ² / ndf 12.97 / 51
p0 −92.74 ± 1.261
pull
Entries 52
Mean 1617
Std Dev 0

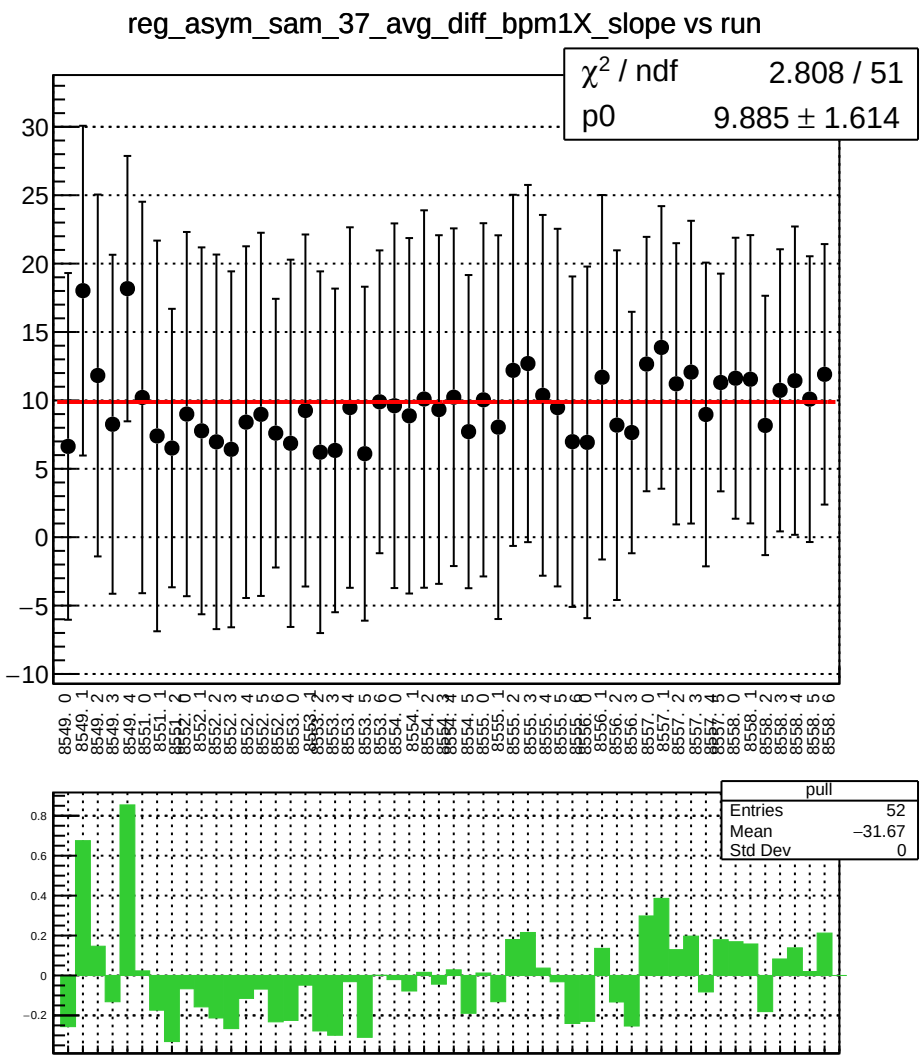

pull1D
Entries 52
Mean 0.002728
Std Dev 0.4994

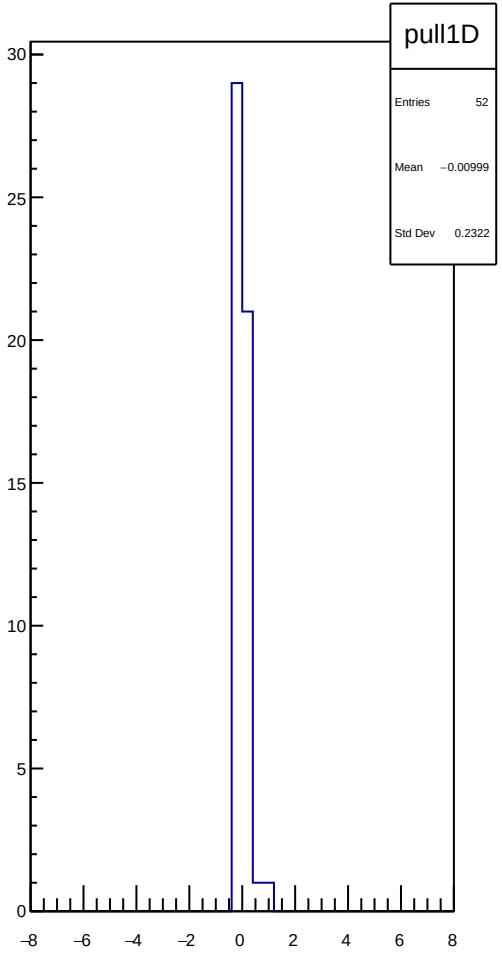

reg_asym_sam_15_dd_diff_bpm4eX_slope vs run
χ² / ndf 5.448 / 51
p0 −7.744 ± 0.811
pull
Entries 52
Mean −424.3
Std Dev 0

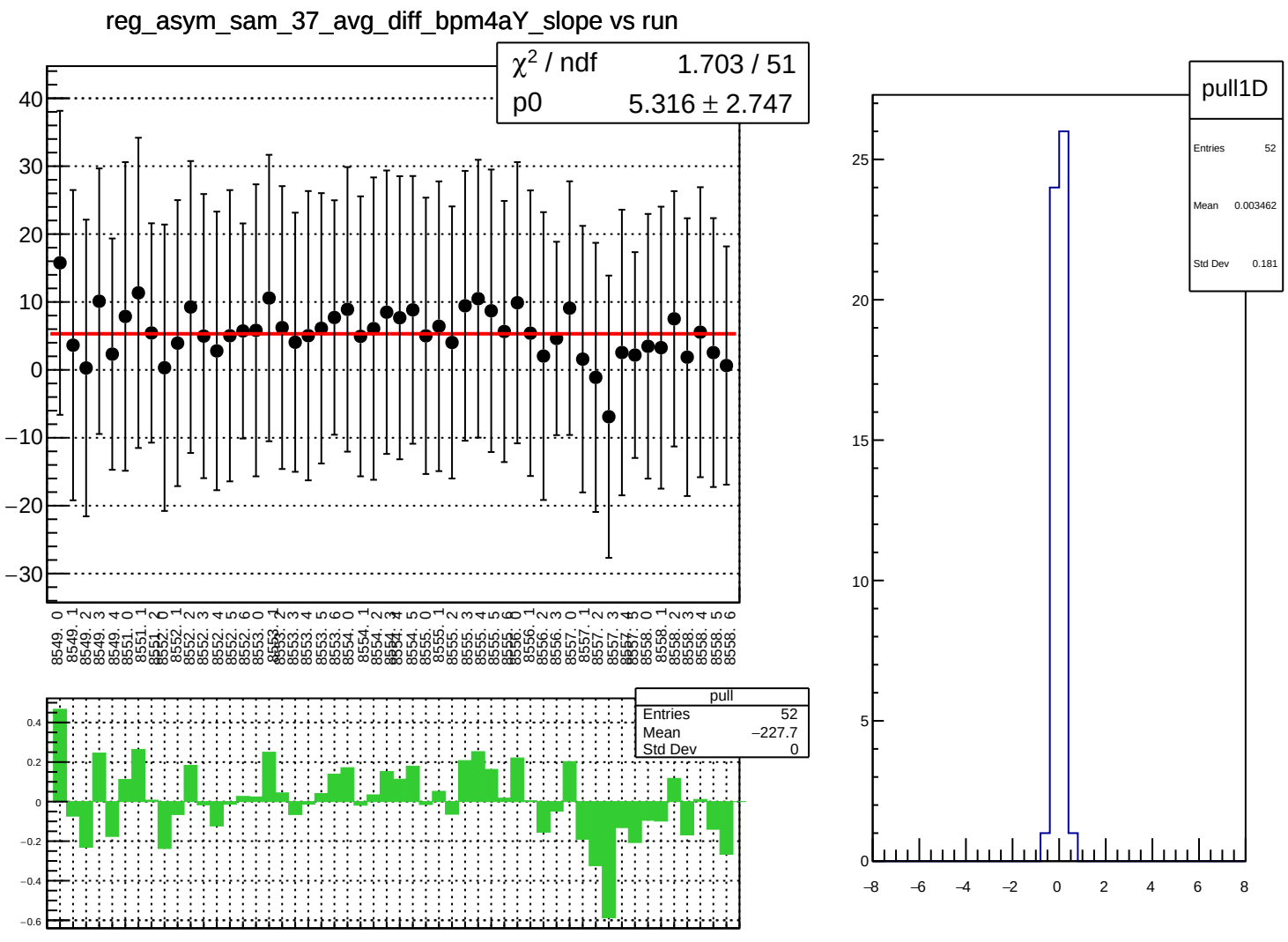

pull1D
Entries 52
Mean −0.00569
Std Dev 0.3236

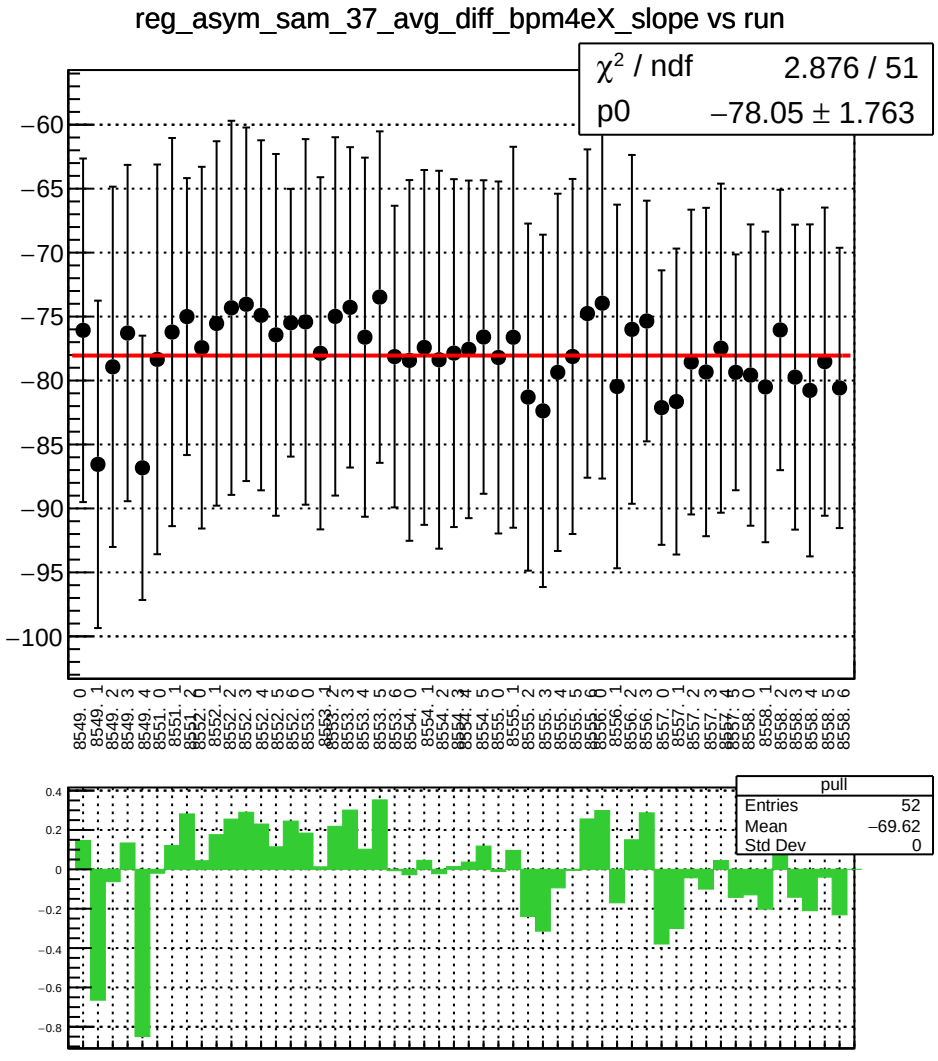

reg_asym_sam_15_dd_diff_bpm4eY_slope vs run
χ² / ndf 16.27 / 51
p0 1.749 ± 1.338
pull
Entries 52
Mean −3350
Std Dev 0
pull1D
Entries 52
Mean 0.001556
Std Dev 0.5594

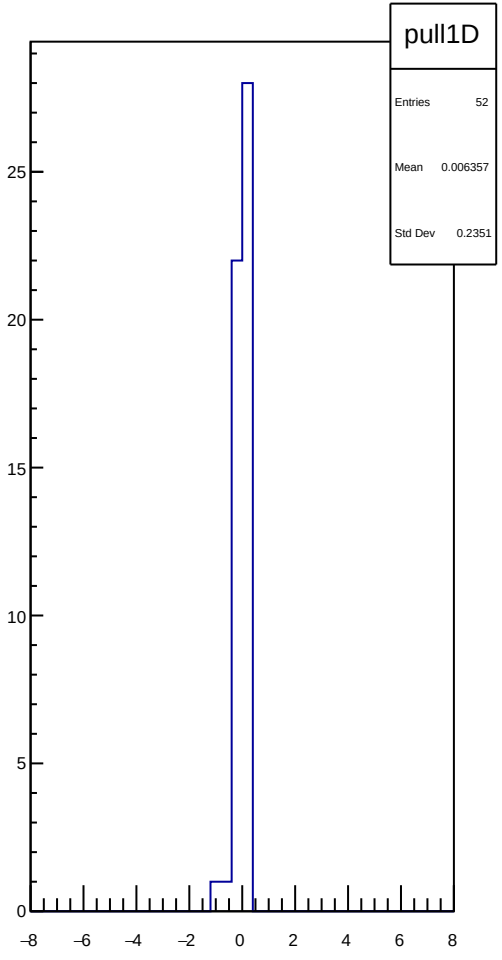

reg_asym_sam_15_dd_diff_bpm12X_slope vs run
χ² / ndf 6.706 / 51
p0 2.125 ± 0.08747
pull
Entries 52
Mean 137.4
Std Dev 0
pull1D
Entries 52
Mean 0.01925
Std Dev 0.3586

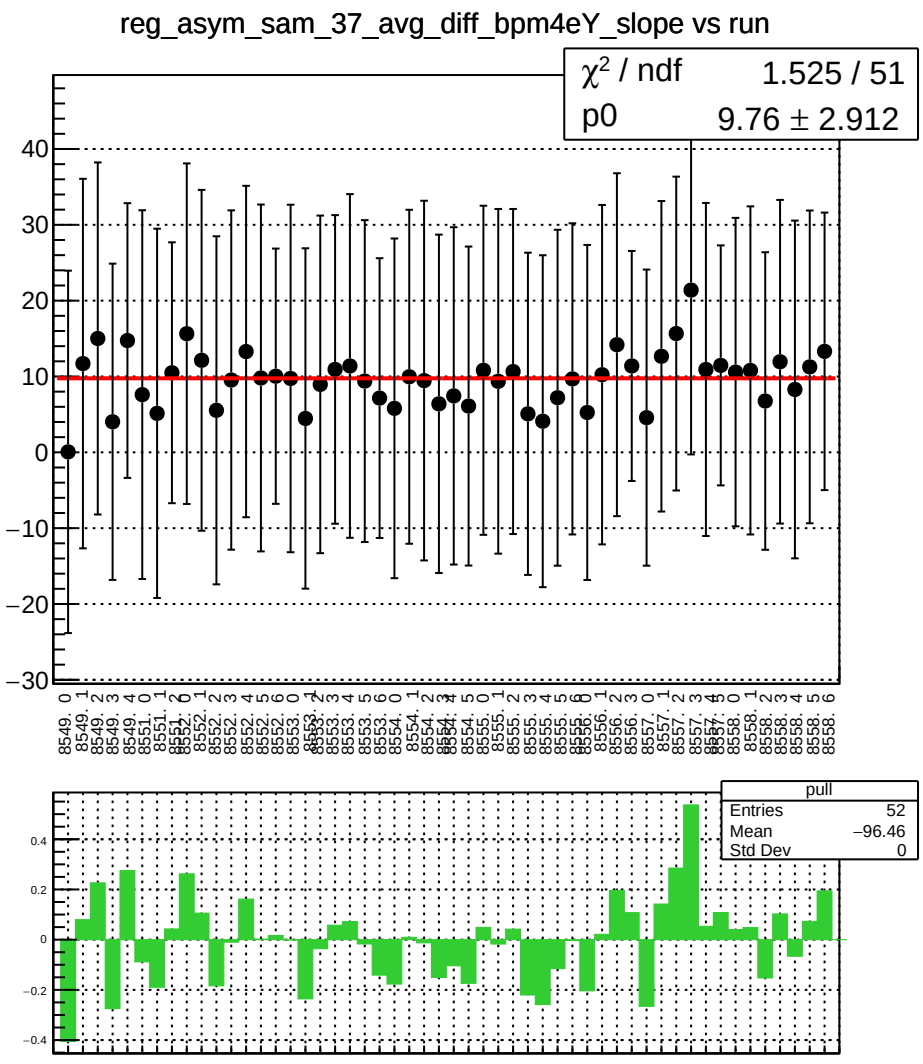

reg_asym_sam_37_avg_diff_bpm1X_slope vs run
χ² / ndf 2.808 / 51
p0 9.885 ± 1.614
pull
Entries 52
Mean −31.67
Std Dev 0

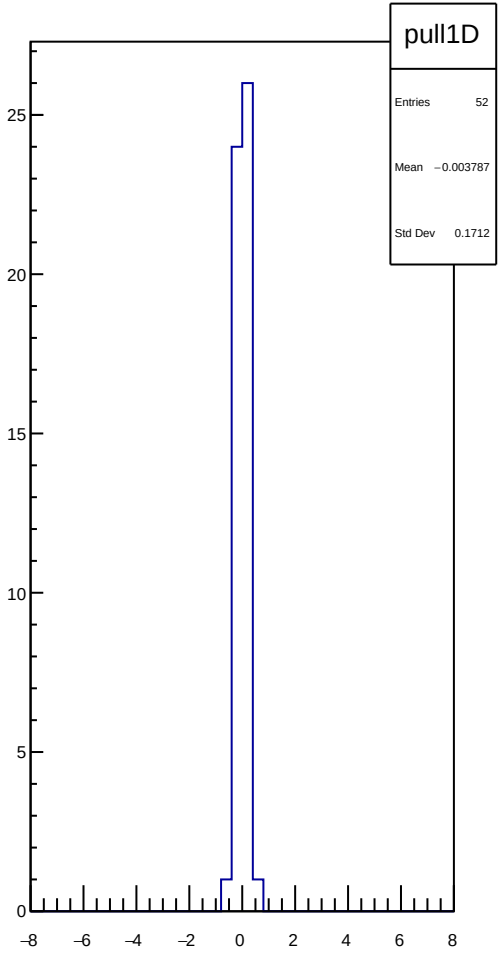

pull1D
Entries 52
Mean −0.00999
Std Dev 0.2322

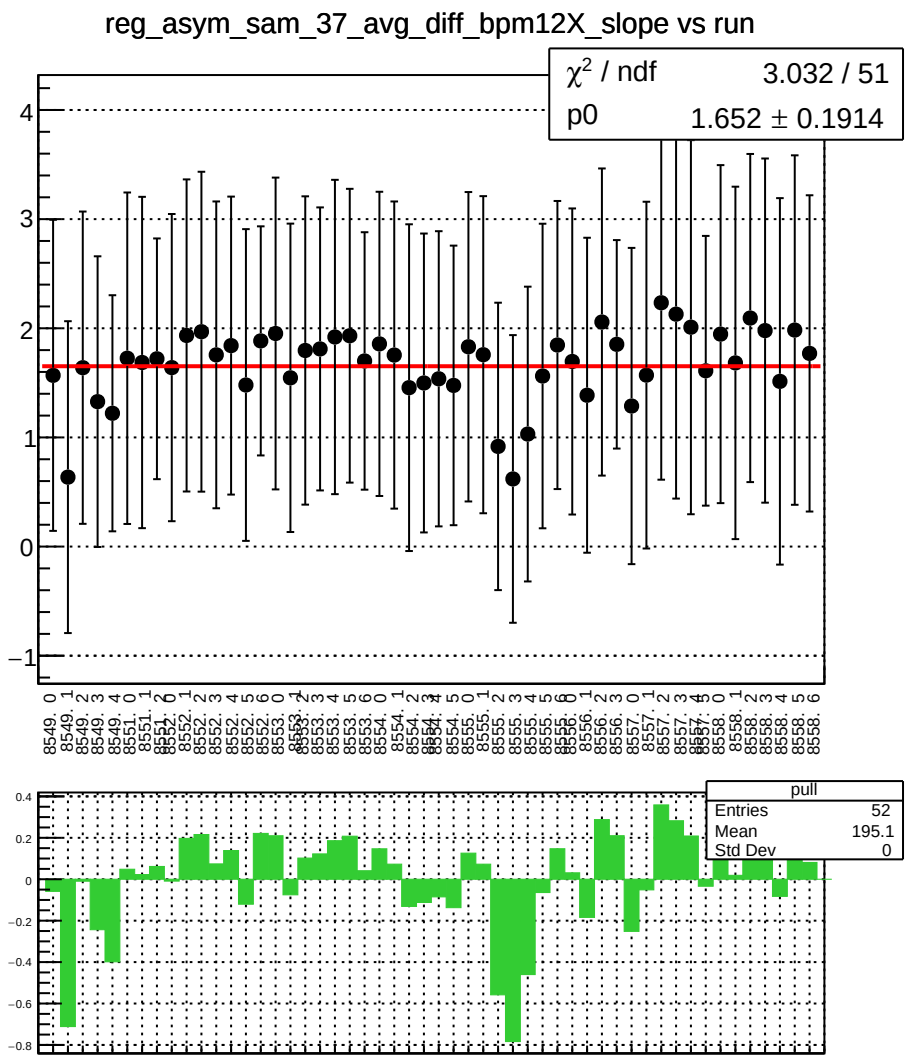

reg_asym_sam_37_avg_diff_bpm4aY_slope vs run
χ² / ndf 1.703 / 51
p0 5.316 ± 2.747
pull
Entries 52
Mean −227.7
Std Dev 0
pull1D
Entries 52
Mean 0.003462
Std Dev 0.181

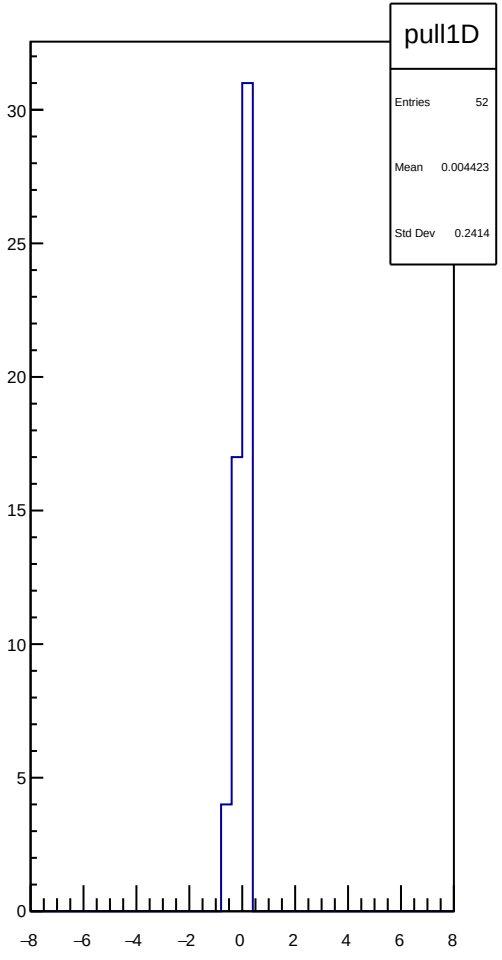

reg_asym_sam_37_avg_diff_bpm4eX_slope vs run
χ² / ndf 2.876 / 51
p0 −78.05 ± 1.763
pull
Entries 52
Mean −69.62
Std Dev 0

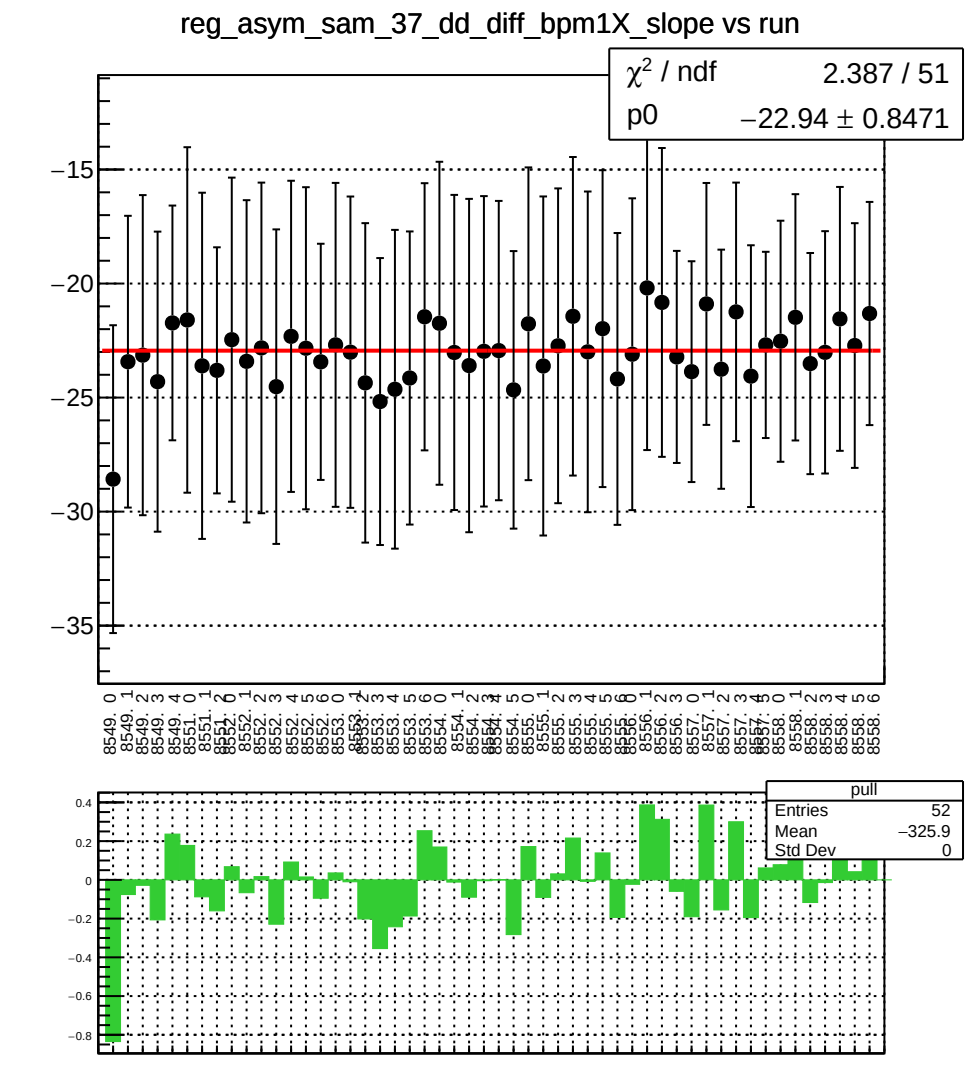

pull1D
Entries 52
Mean 0.006357
Std Dev 0.2351

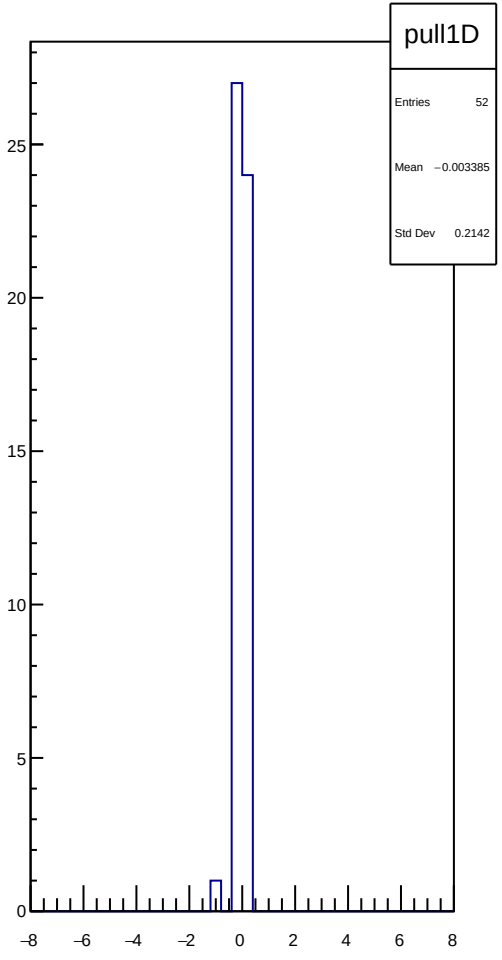

reg_asym_sam_37_avg_diff_bpm4eY_slope vs run
χ² / ndf 1.525 / 51
p0 9.76 ± 2.912
pull
Entries 52
Mean −96.46
Std Dev 0

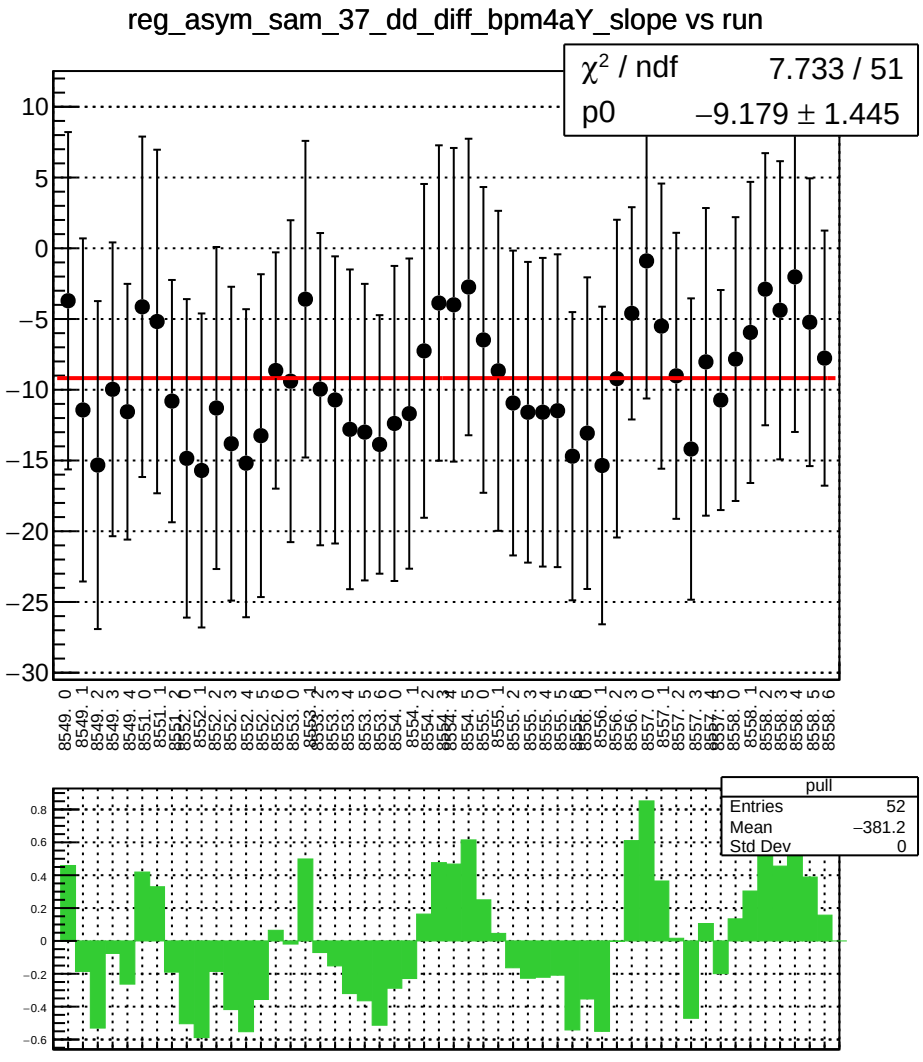

pull1D
Entries 52
Mean −0.003787
Std Dev 0.1712

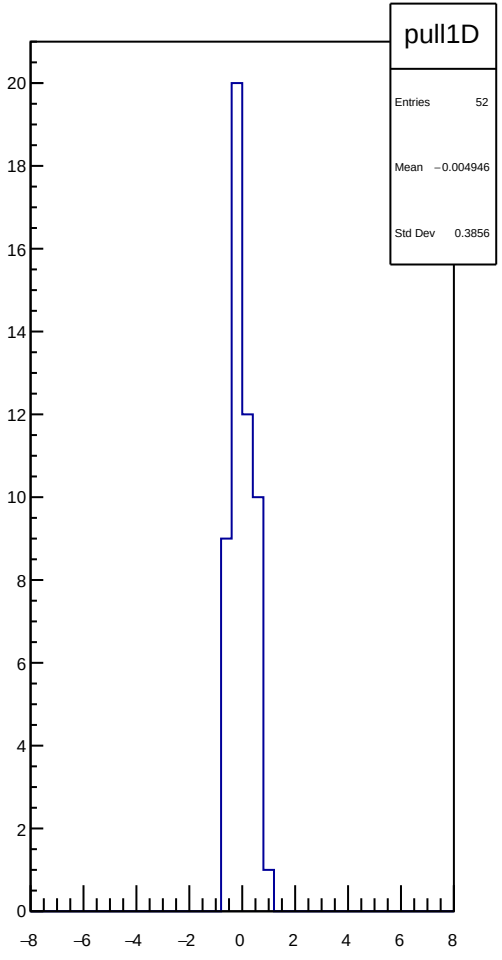

reg_asym_sam_37_avg_diff_bpm12X_slope vs run
χ² / ndf 3.032 / 51
p0 1.652 ± 0.1914
pull
Entries 52
Mean 195.1
Std Dev 0

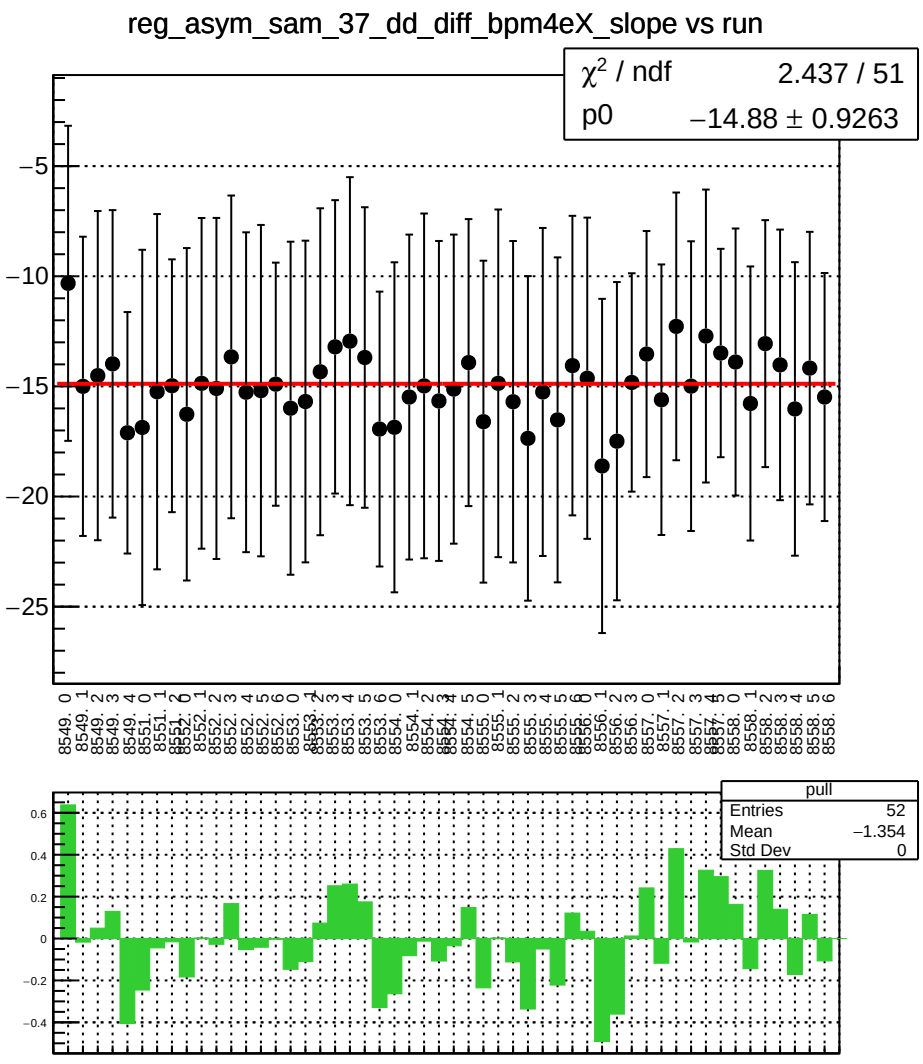

pull1D
Entries 52
Mean 0.004423
Std Dev 0.2414

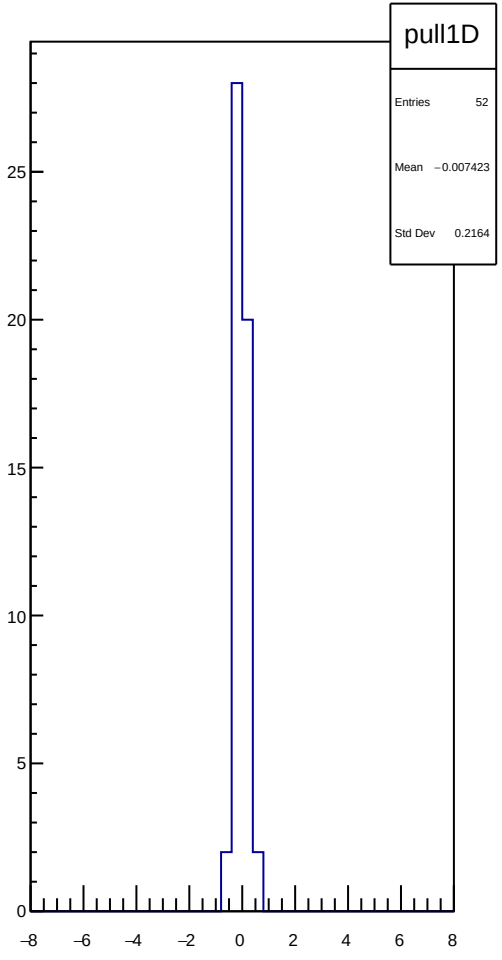

reg_asym_sam_37_dd_diff_bpm1X_slope vs run
χ² / ndf 2.387 / 51
p0 −22.94 ± 0.8471
pull
Entries 52
Mean −325.9
Std Dev 0

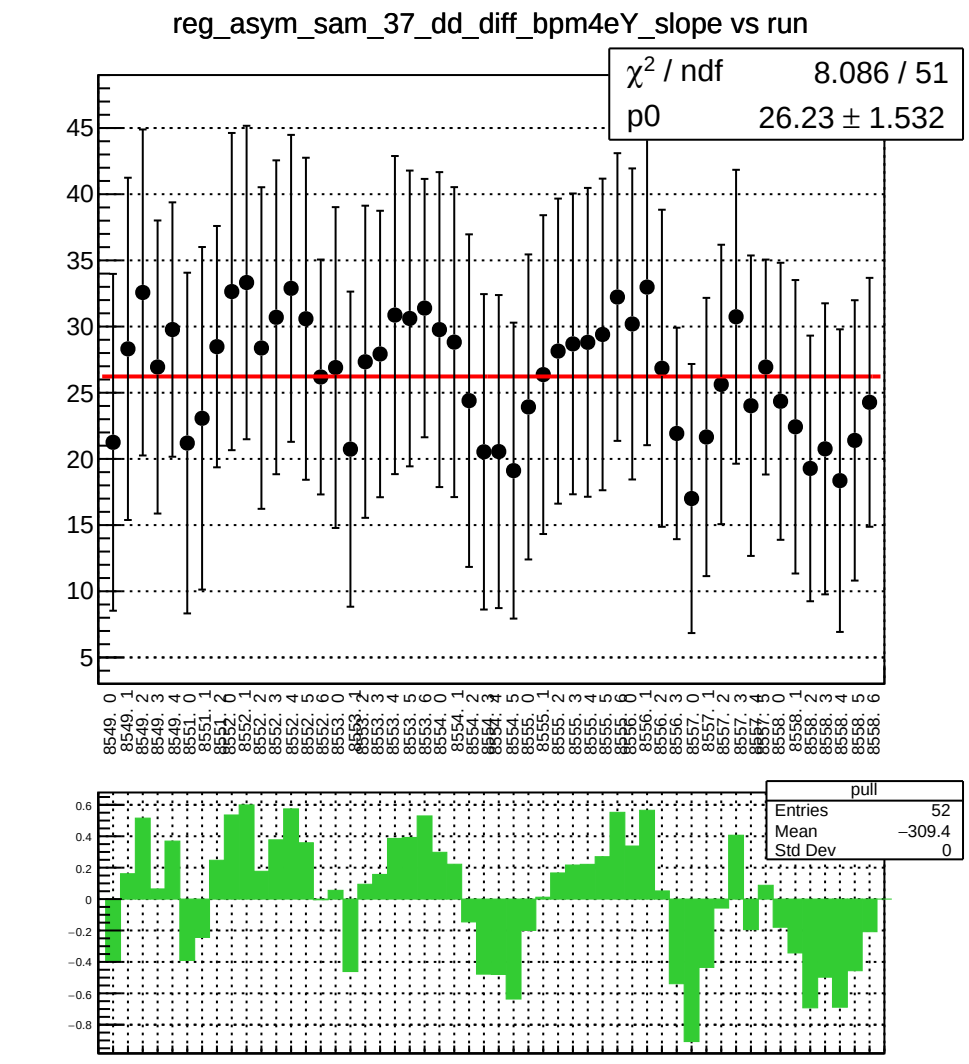

pull1D
Entries 52
Mean −0.003385
Std Dev 0.2142

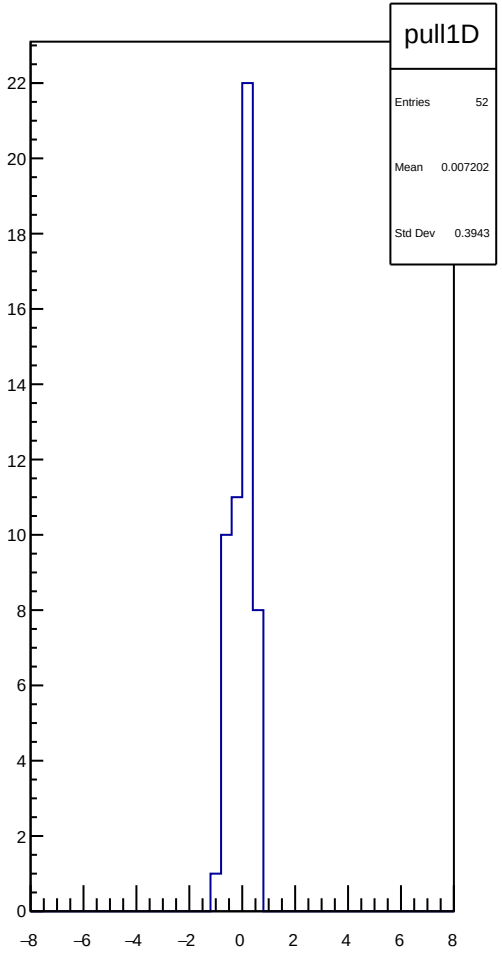

reg_asym_sam_37_dd_diff_bpm4aY_slope vs run
χ² / ndf 7.733 / 51
p0 −9.179 ± 1.445
pull
Entries 52
Mean −381.2
Std Dev 0

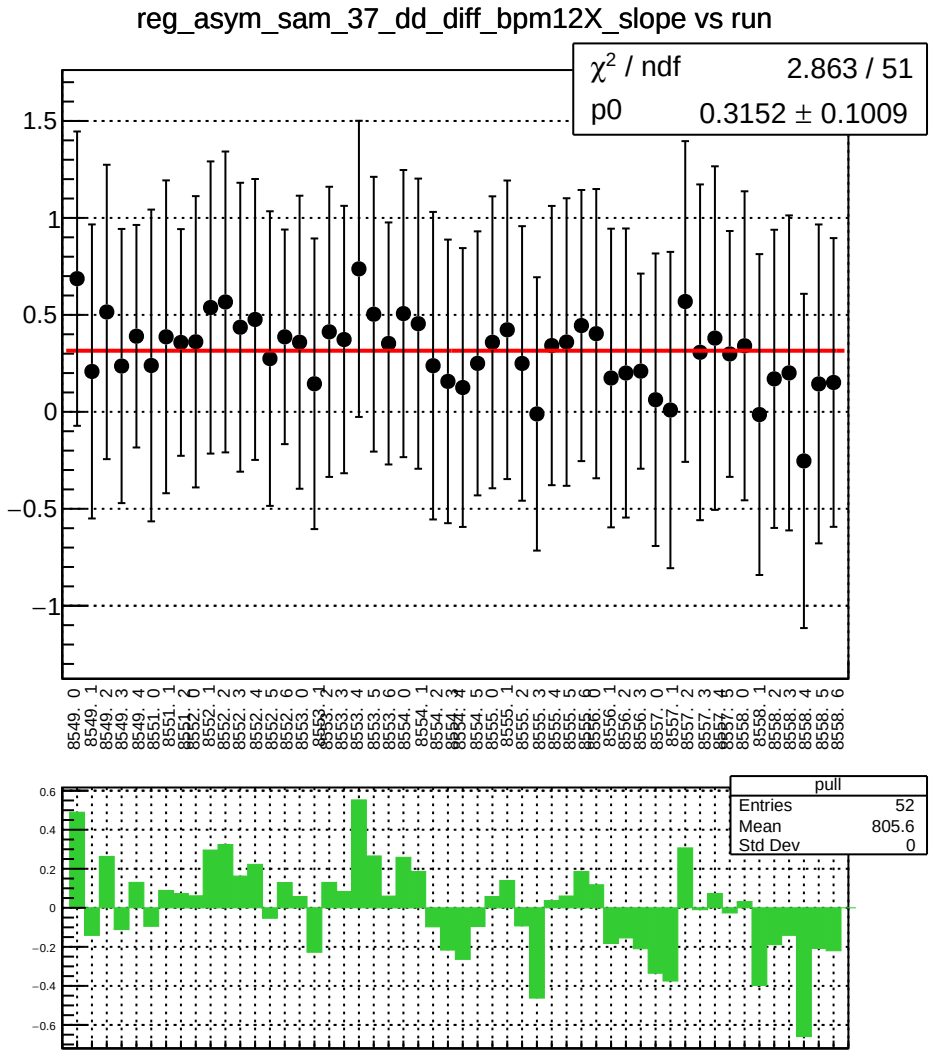

pull1D
Entries 52
Mean −0.004946
Std Dev 0.3856

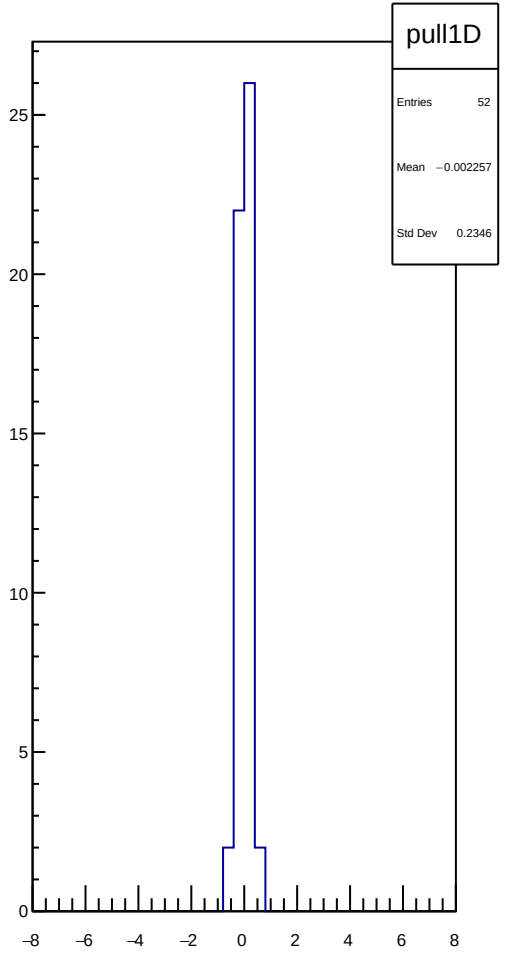

reg_asym_sam_37_dd_diff_bpm4eX_slope vs run
χ² / ndf 2.437 / 51
p0 −14.88 ± 0.9263
pull
Entries 52
Mean −1.354
Std Dev 0

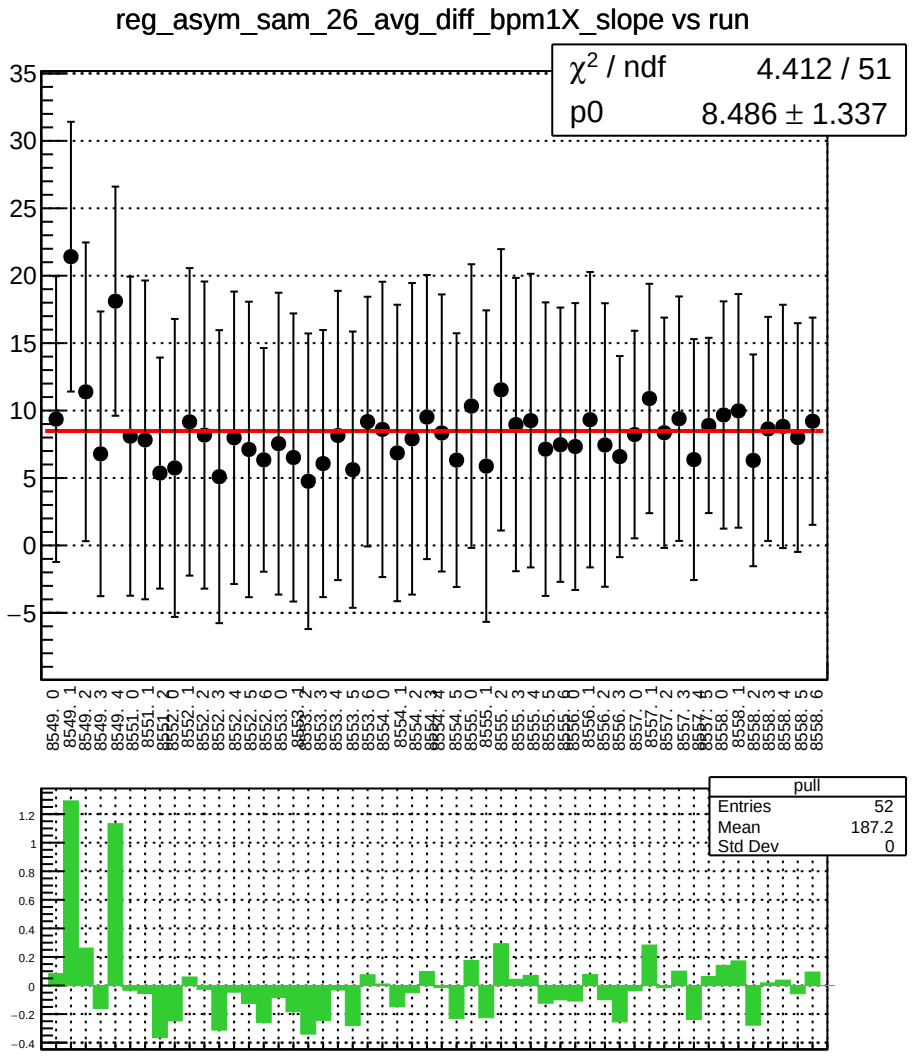

pull1D
Entries 52
Mean −0.007423
Std Dev 0.2164

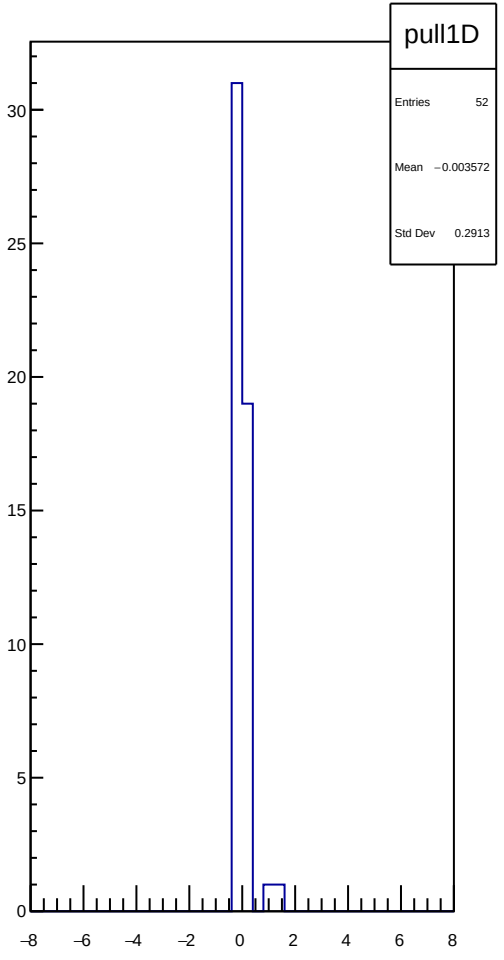

reg_asym_sam_37_dd_diff_bpm4eY_slope vs run
χ² / ndf 8.086 / 51
p0 26.23 ± 1.532
pull
Entries 52
Mean −309.4
Std Dev 0

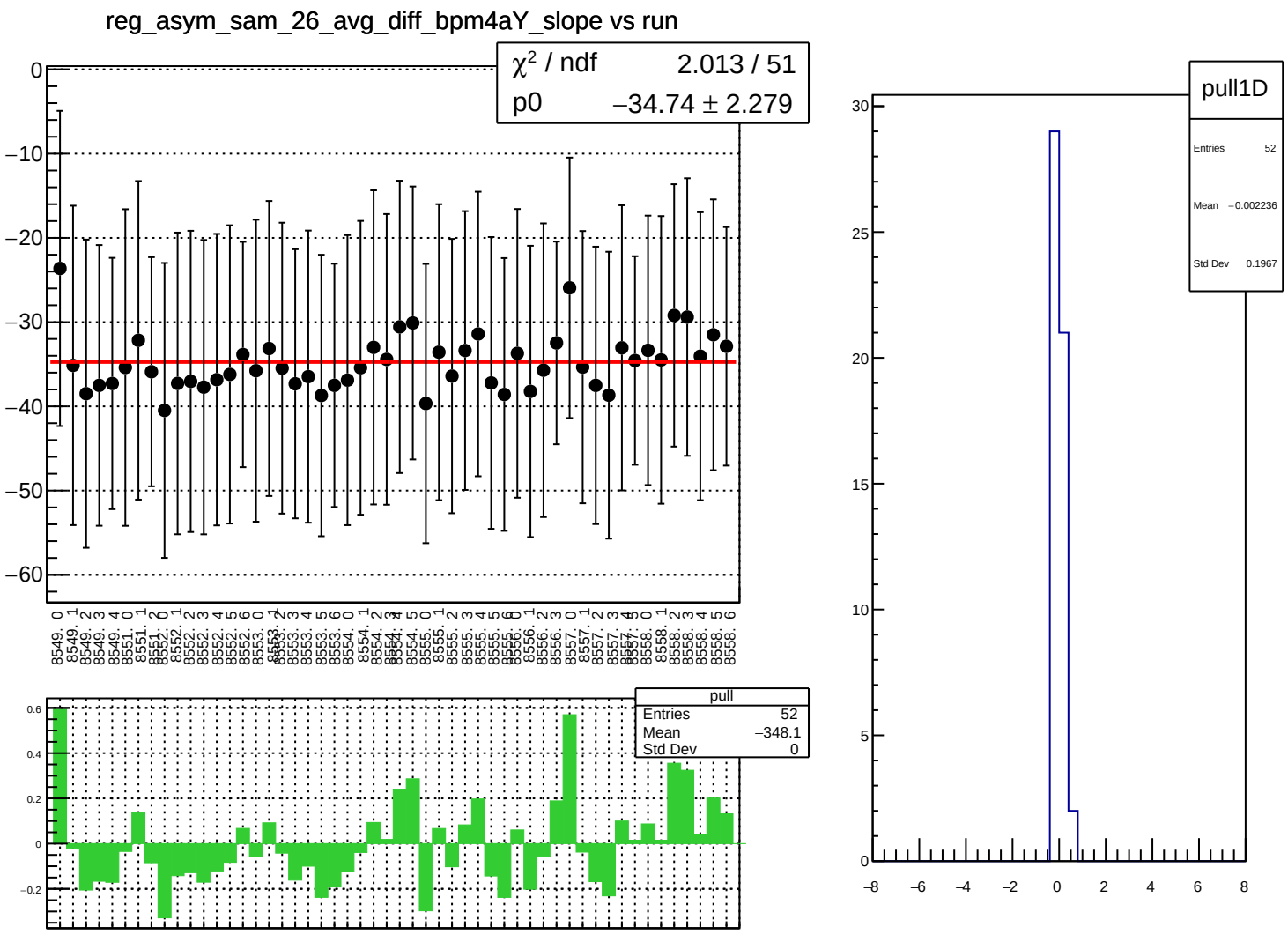

pull1D
Entries 52
Mean 0.007202
Std Dev 0.3943

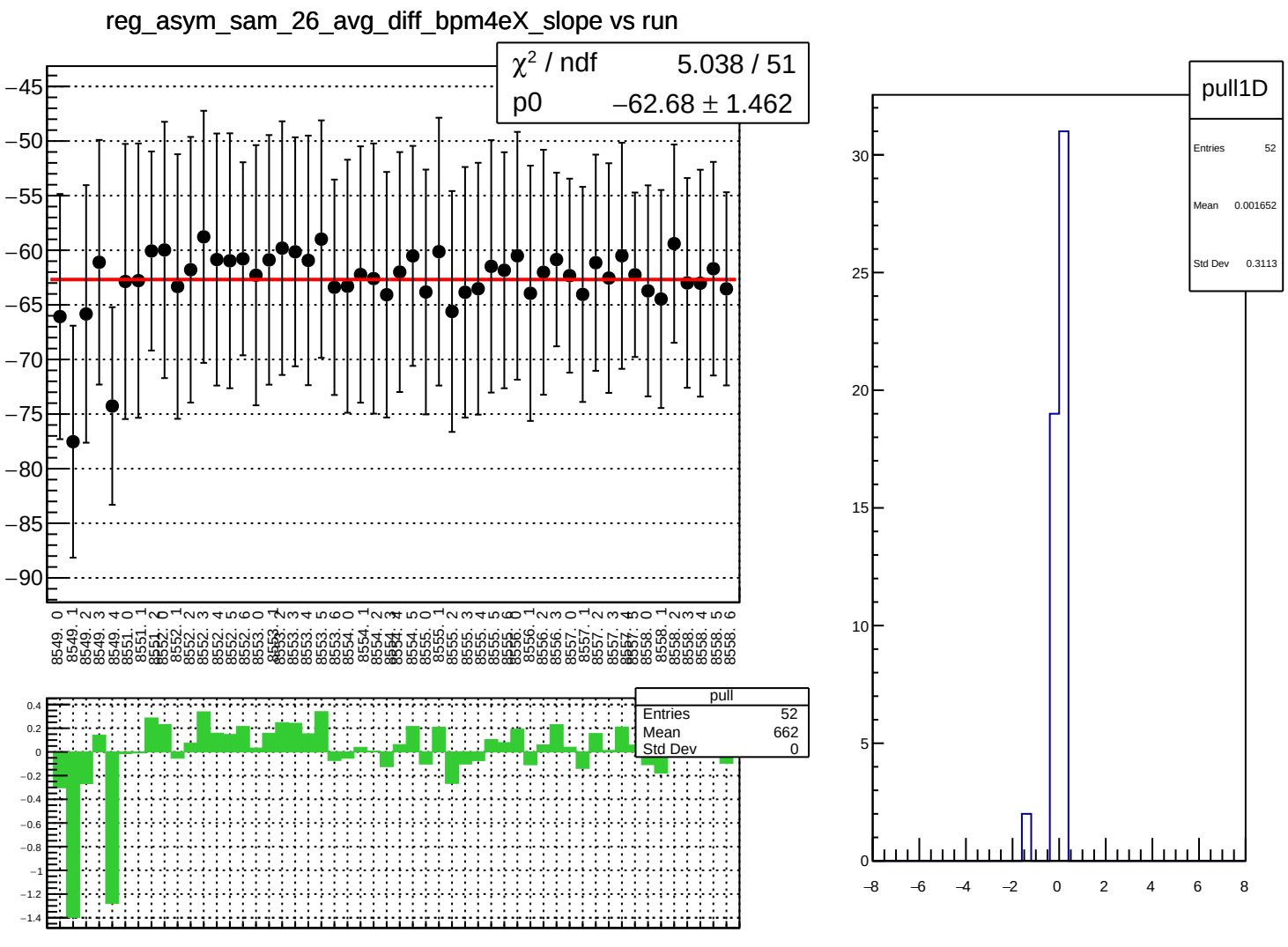

reg_asym_sam_37_dd_diff_bpm12X_slope vs run
χ² / ndf 2.863 / 51
p0 0.3152 ± 0.1009
pull
Entries 52
Mean 805.6
Std Dev 0

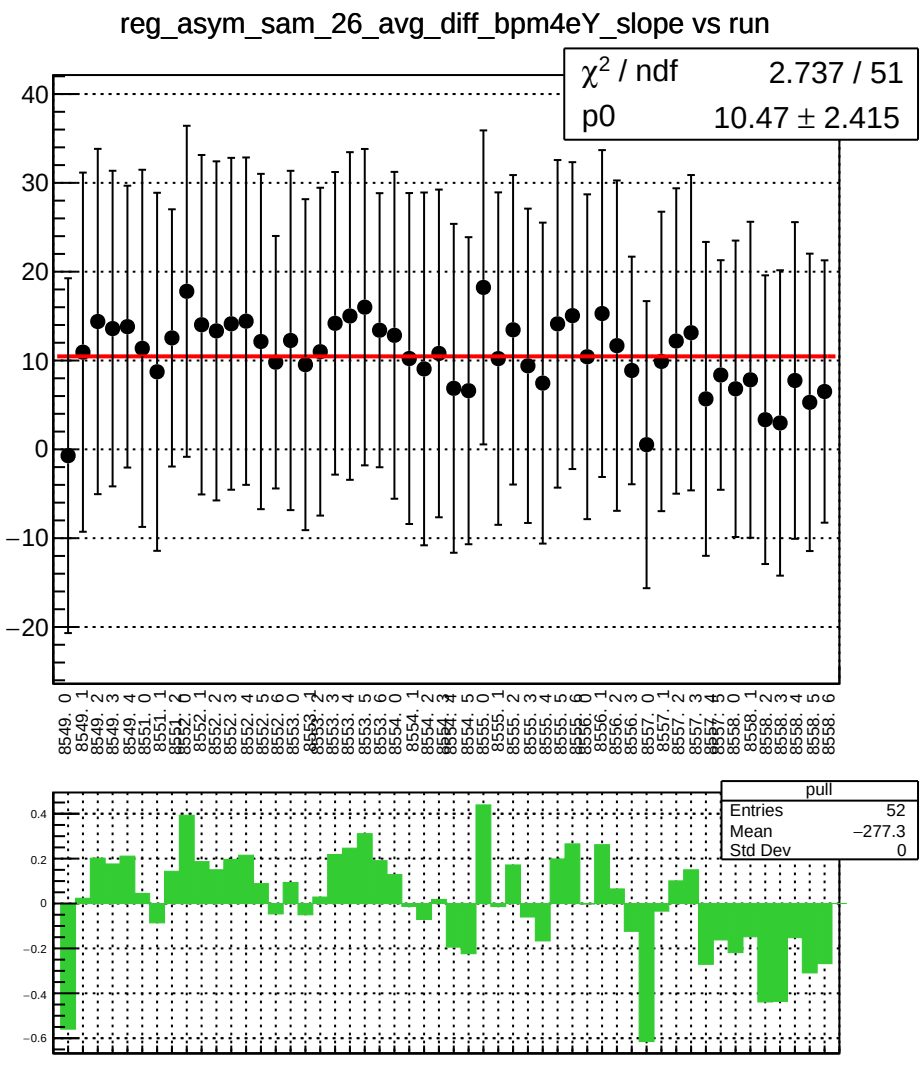

pull1D
Entries 52
Mean −0.002257
Std Dev 0.2346

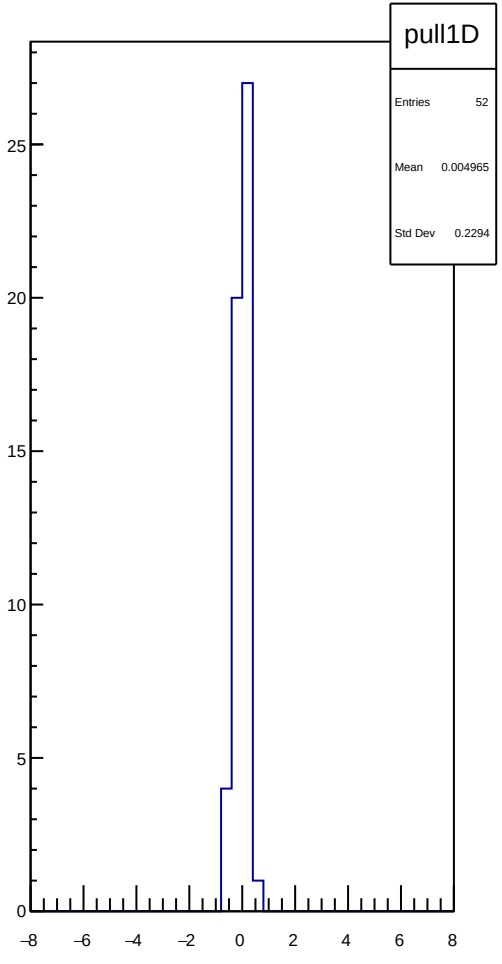

reg_asym_sam_26_avg_diff_bpm1X_slope vs run
χ² / ndf 4.412 / 51
p0 8.486 ± 1.337
pull
Entries 52
Mean 187.2
Std Dev 0

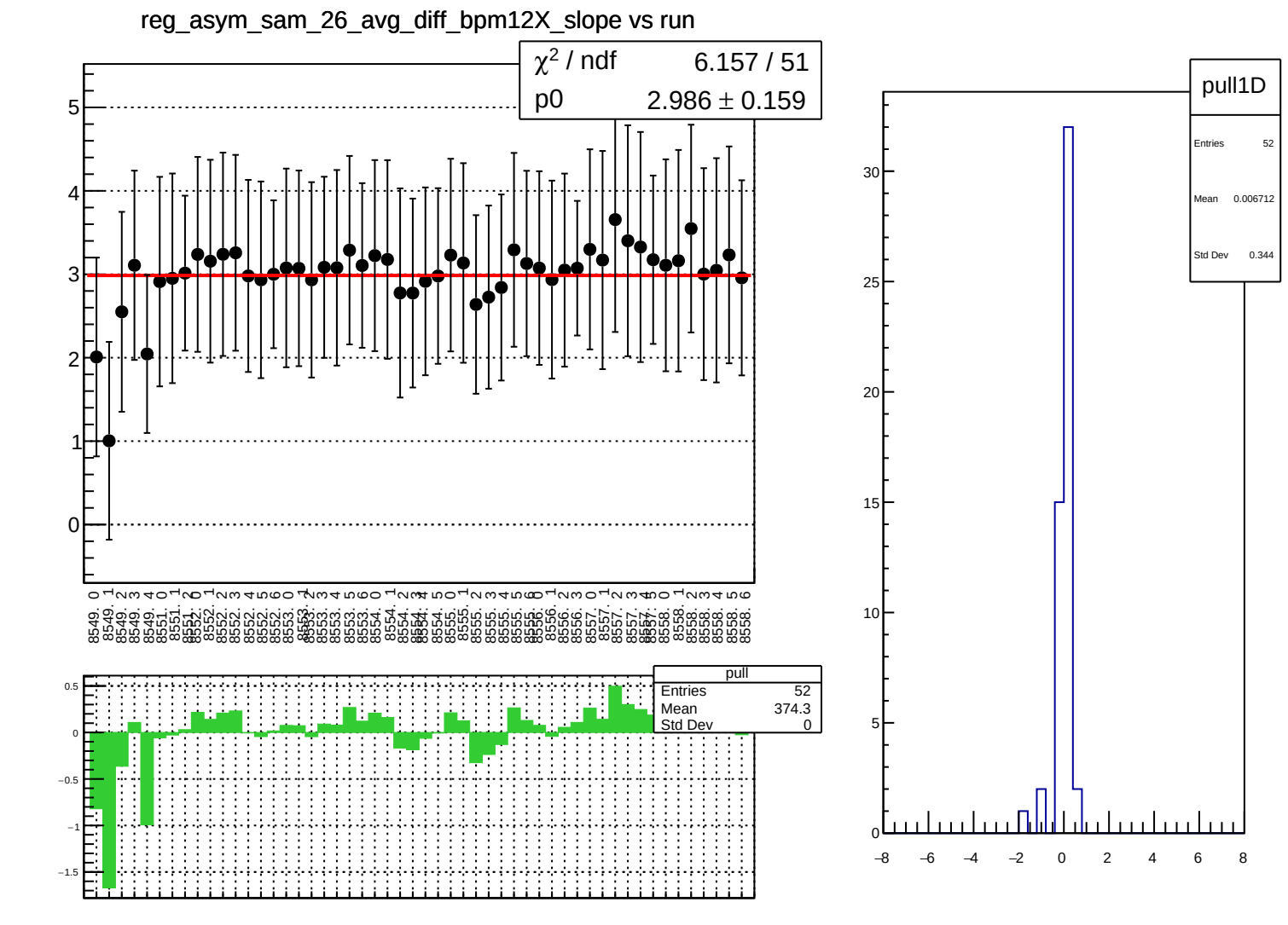

pull1D
Entries 52
Mean −0.003572
Std Dev 0.2913

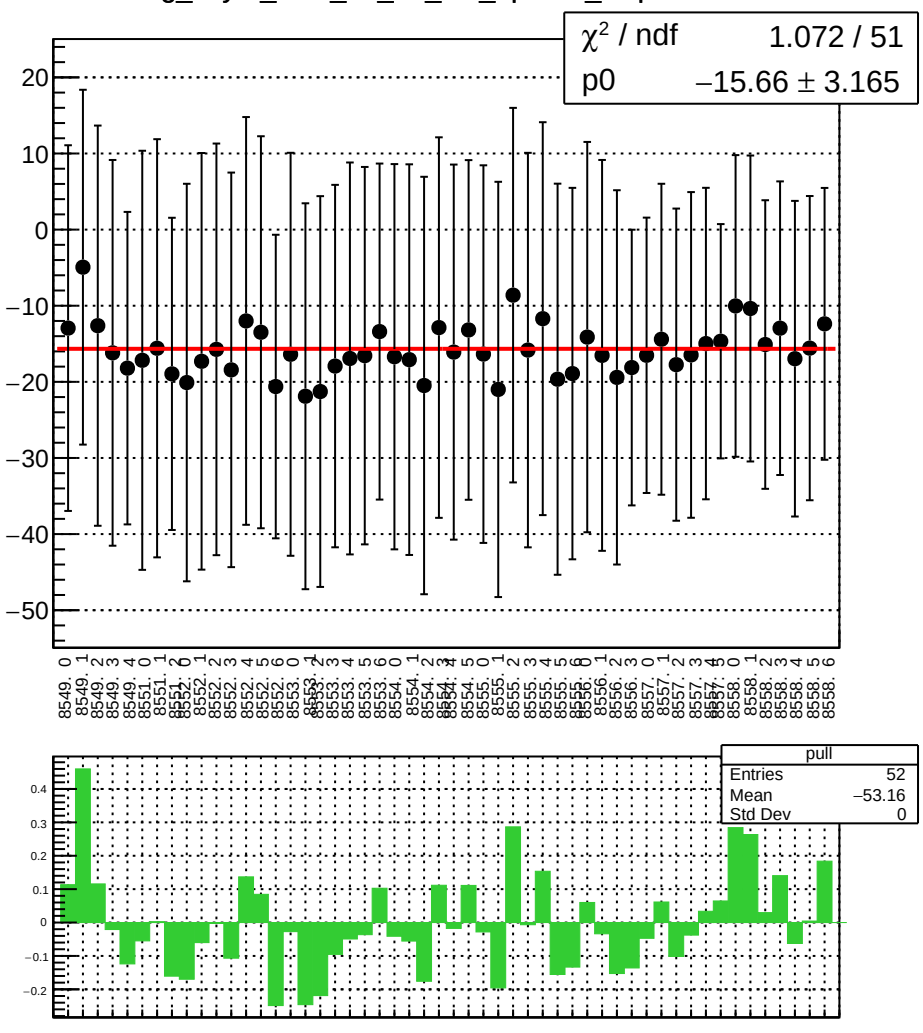

reg_asym_sam_26_avg_diff_bpm4aY_slope vs run
χ² / ndf 2.013 / 51
p0 −34.74 ± 2.279
pull
Entries 52
Mean −348.1
Std Dev 0
pull1D
Entries 52
Mean −0.002236
Std Dev 0.1967

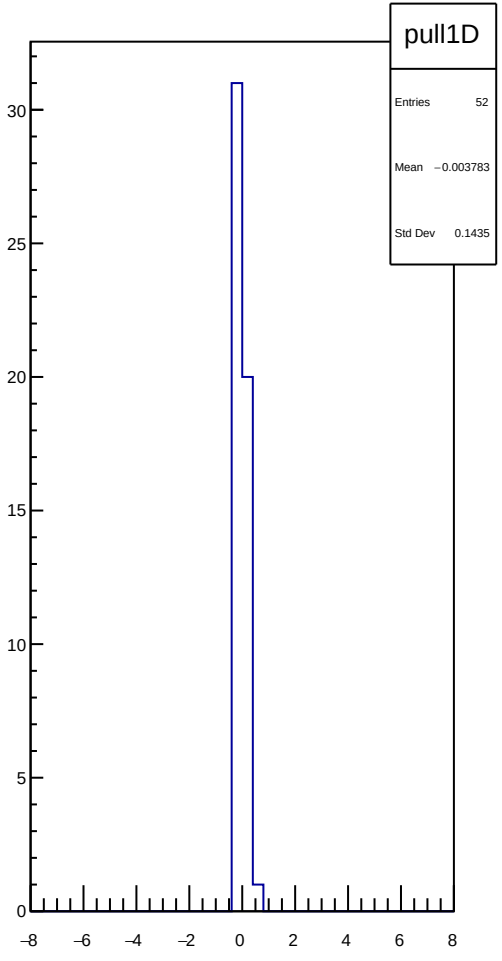

reg_asym_sam_26_avg_diff_bpm4eX_slope vs run
χ² / ndf 5.038 / 51
p0 −62.68 ± 1.462
pull
Entries 52
Mean 662
Std Dev 0
pull1D
Entries 52
Mean 0.001652
Std Dev 0.3113

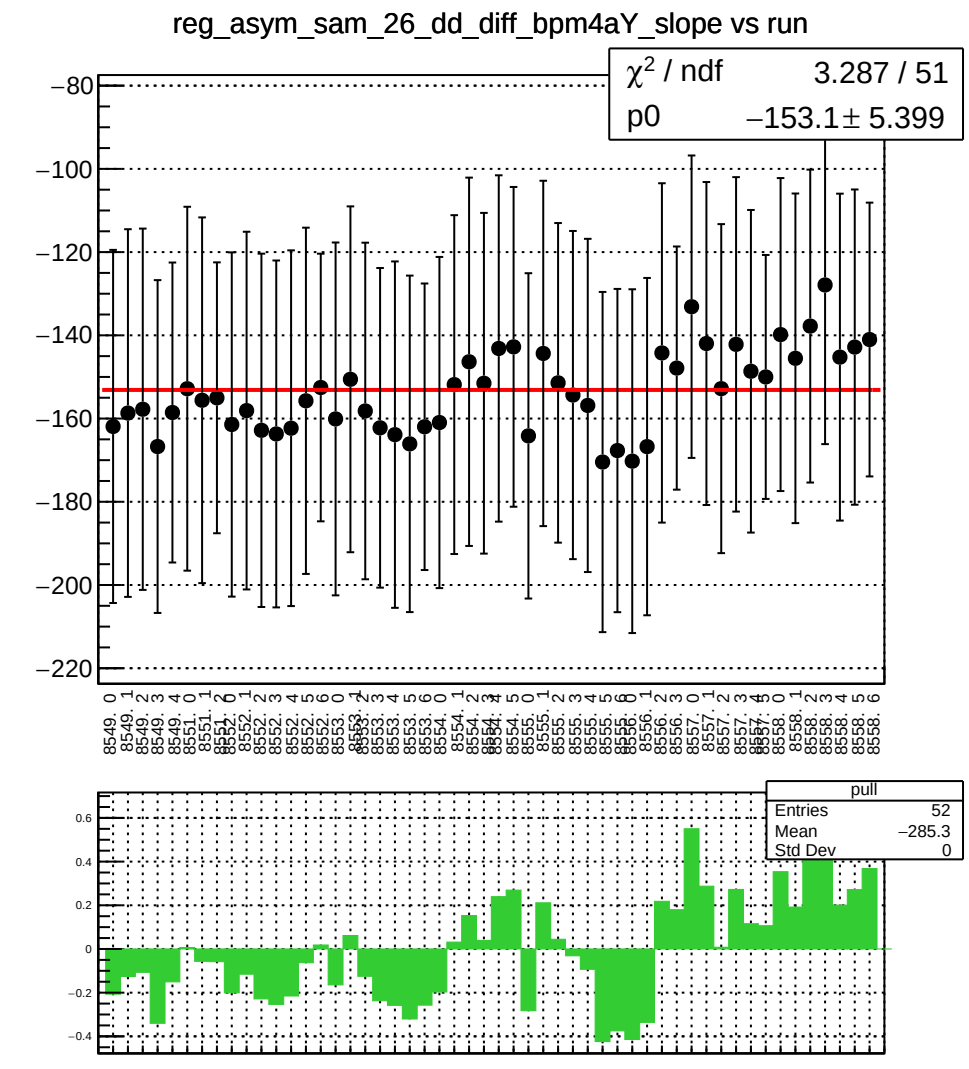

reg_asym_sam_26_avg_diff_bpm4eY_slope vs run
χ² / ndf 2.737 / 51
p0 10.47 ± 2.415
pull
Entries 52
Mean −277.3
Std Dev 0

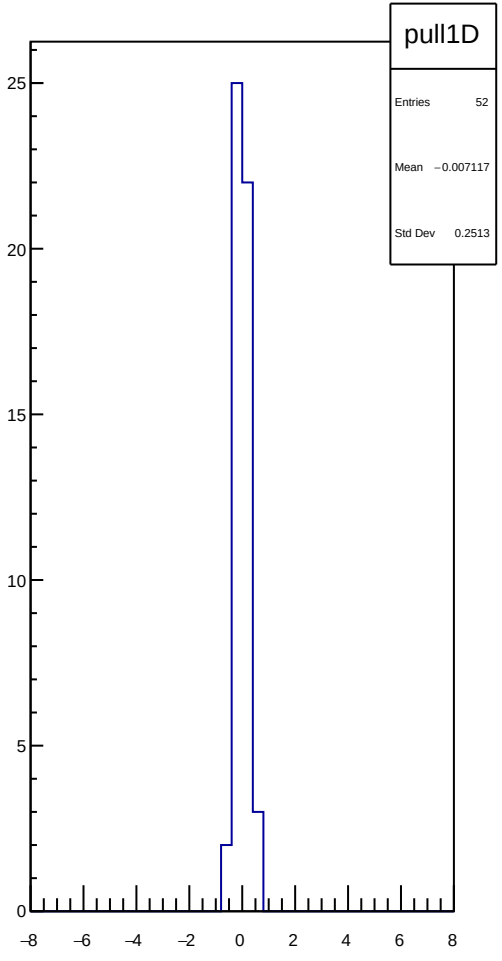

pull1D
Entries 52
Mean 0.004965
Std Dev 0.2294

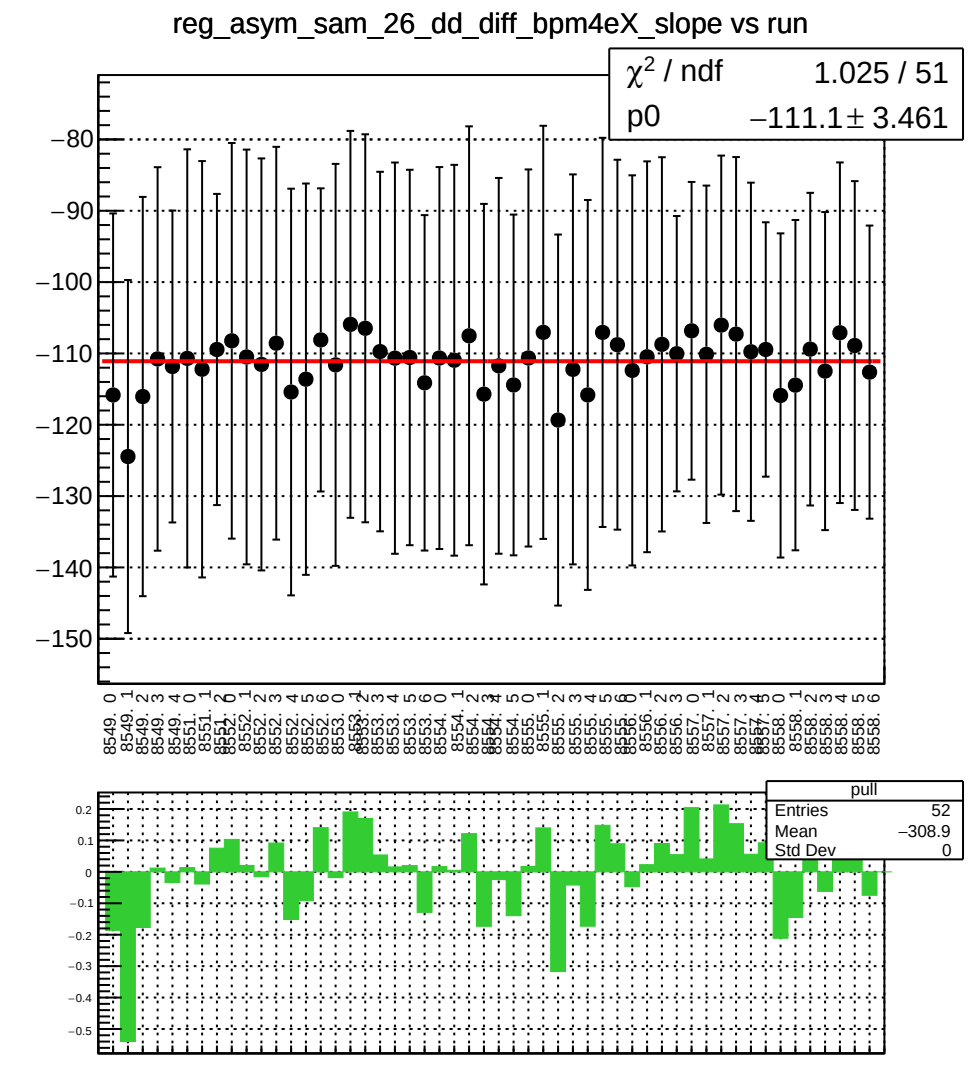

reg_asym_sam_26_avg_diff_bpm12X_slope vs run
χ² / ndf 6.157 / 51
p0 2.986 ± 0.159
pull
Entries 52
Mean 374.3
Std Dev 0
pull1D
Entries 52
Mean 0.006712
Std Dev 0.344

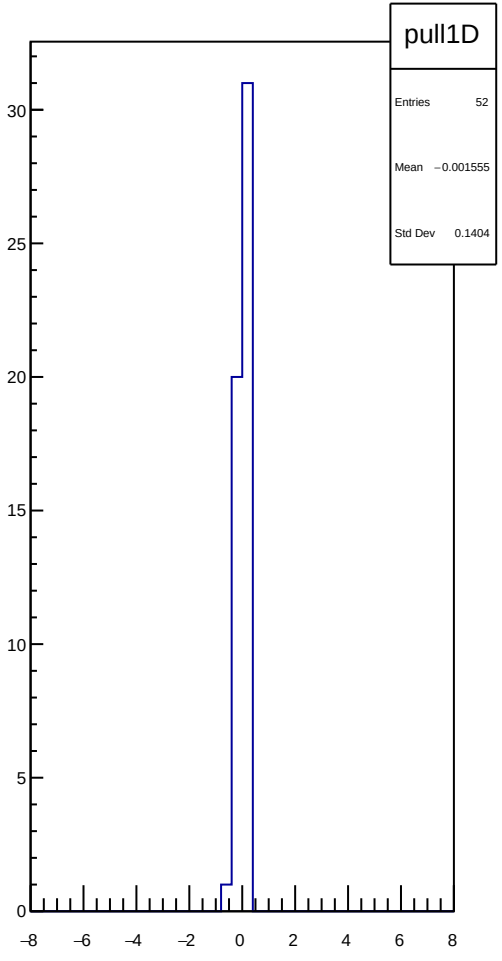

reg_asym_sam_26_dd_diff_bpm1X_slope vs run
χ² / ndf 1.072 / 51
p0 −15.66 ± 3.165
pull
Entries 52
Mean −53.16
Std Dev 0

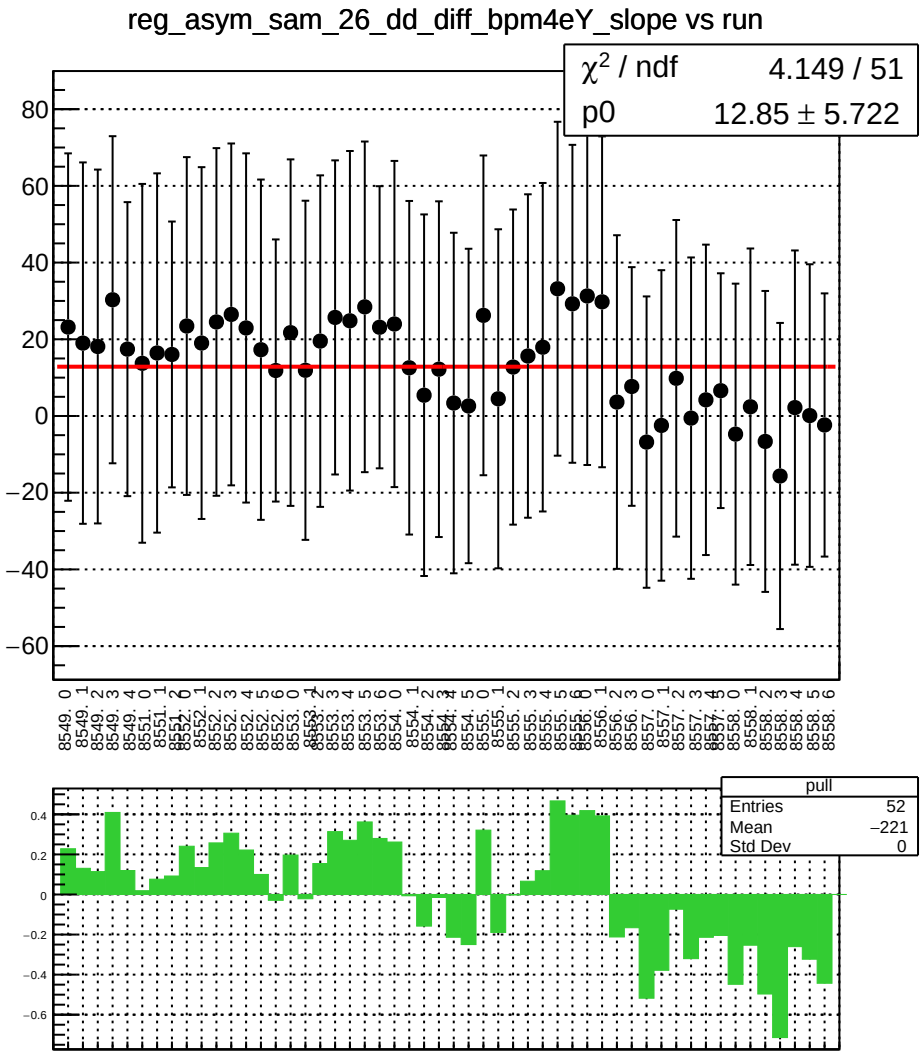

pull1D
Entries 52
Mean −0.003783
Std Dev 0.1435

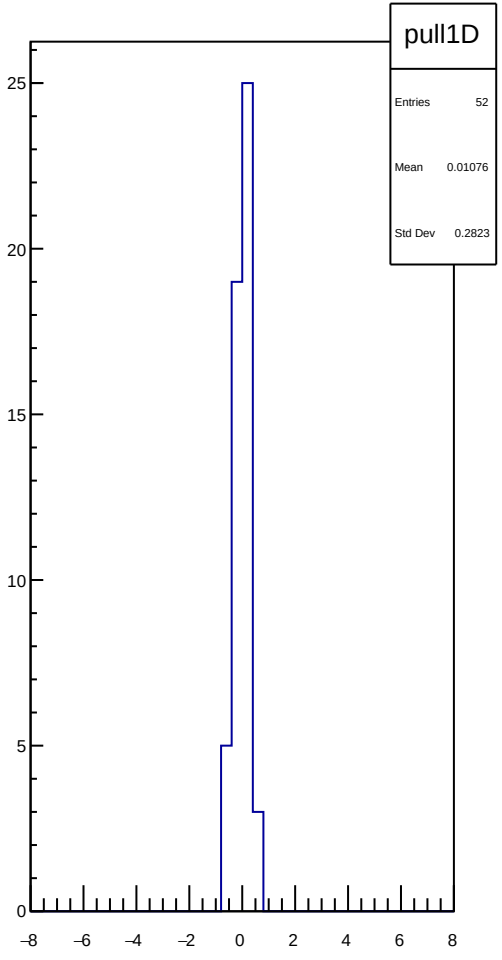

reg_asym_sam_26_dd_diff_bpm4aY_slope vs run
χ² / ndf 3.287 / 51
p0 −153.1 ± 5.399
pull
Entries 52
Mean −285.3
Std Dev 0

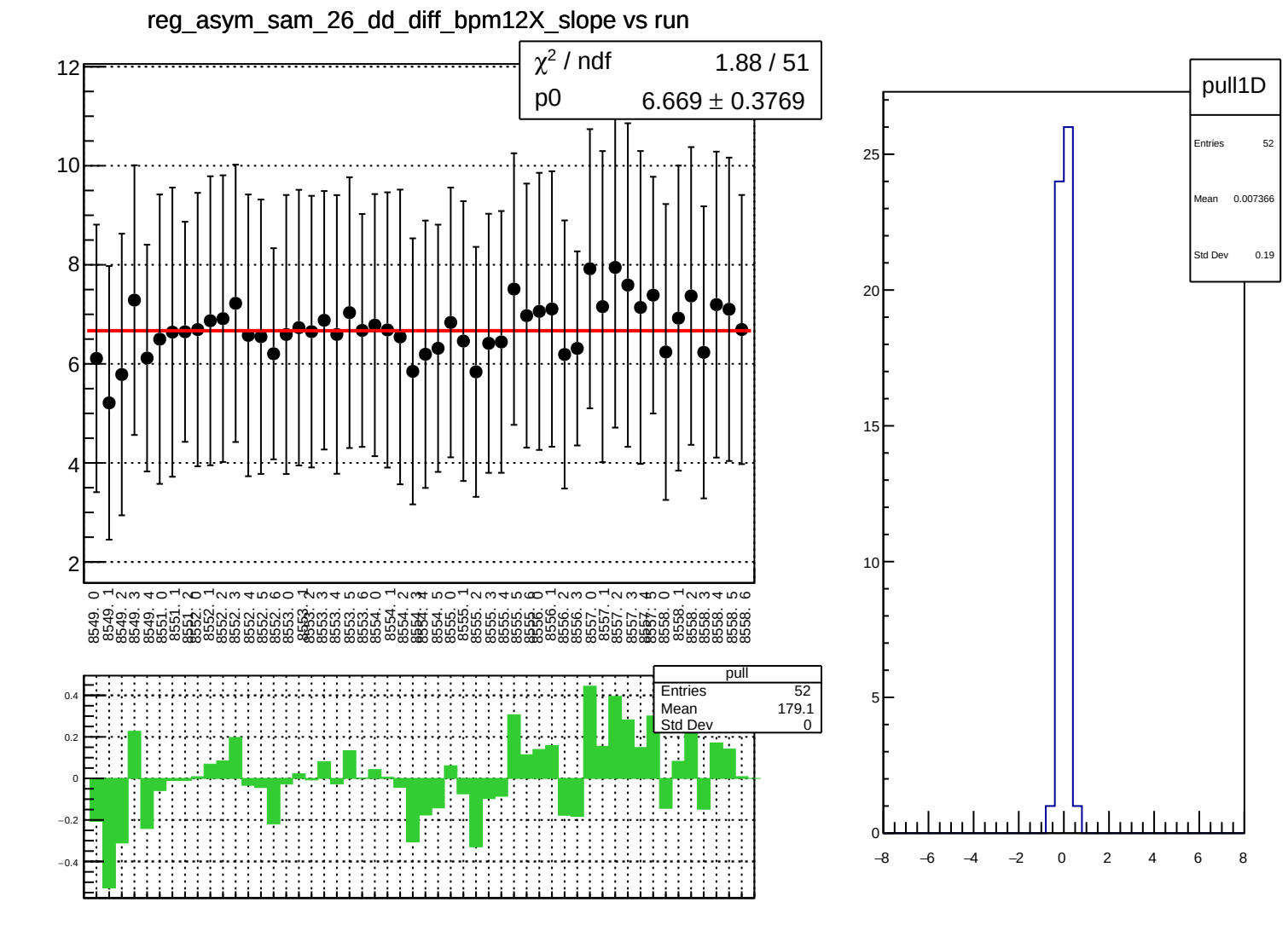

pull1D
Entries 52
Mean −0.007117
Std Dev 0.2513

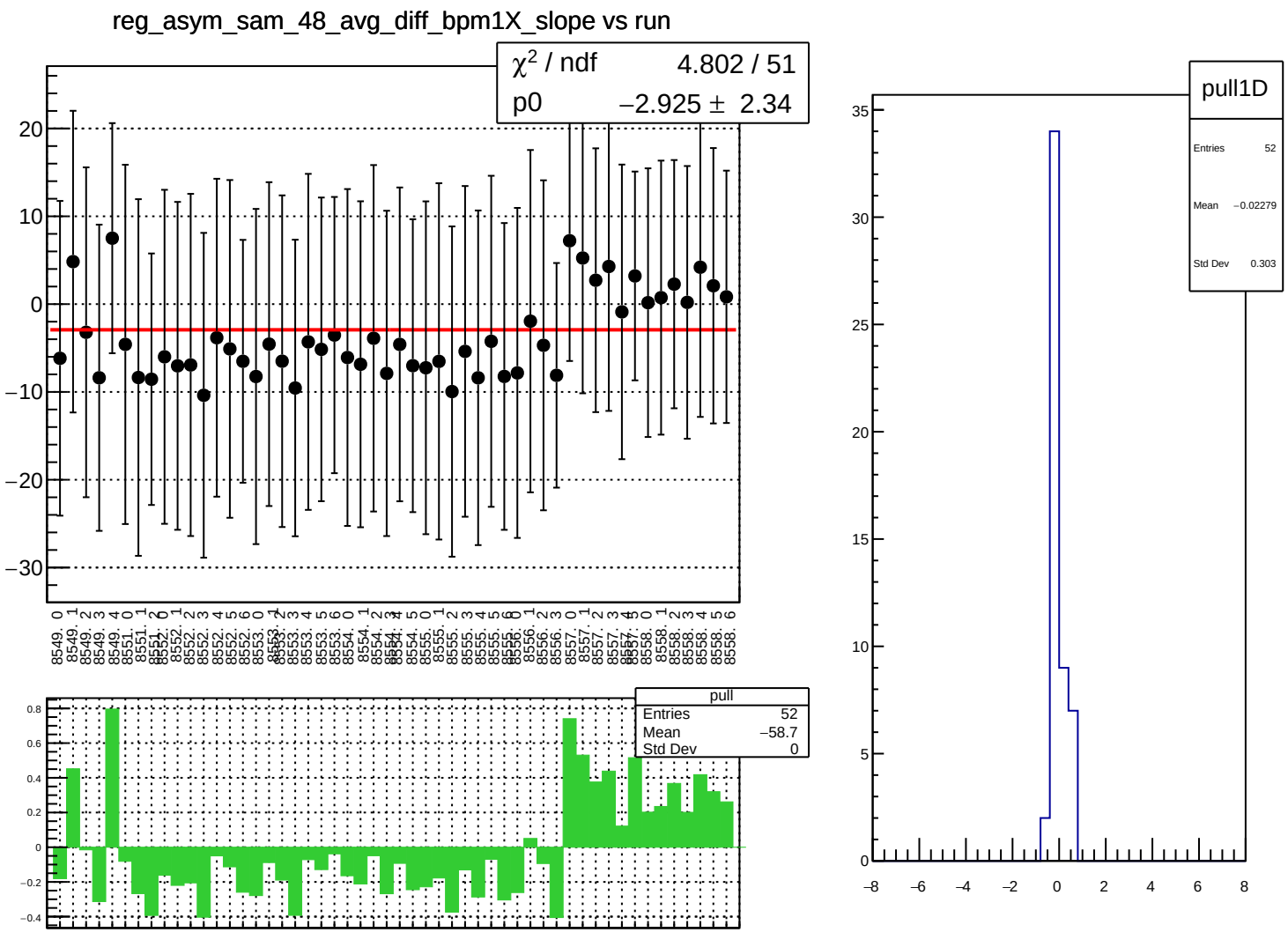

reg_asym_sam_26_dd_diff_bpm4eX_slope vs run
χ² / ndf 1.025 / 51
p0 −111.1 ± 3.461
pull
Entries 52
Mean −308.9
Std Dev 0

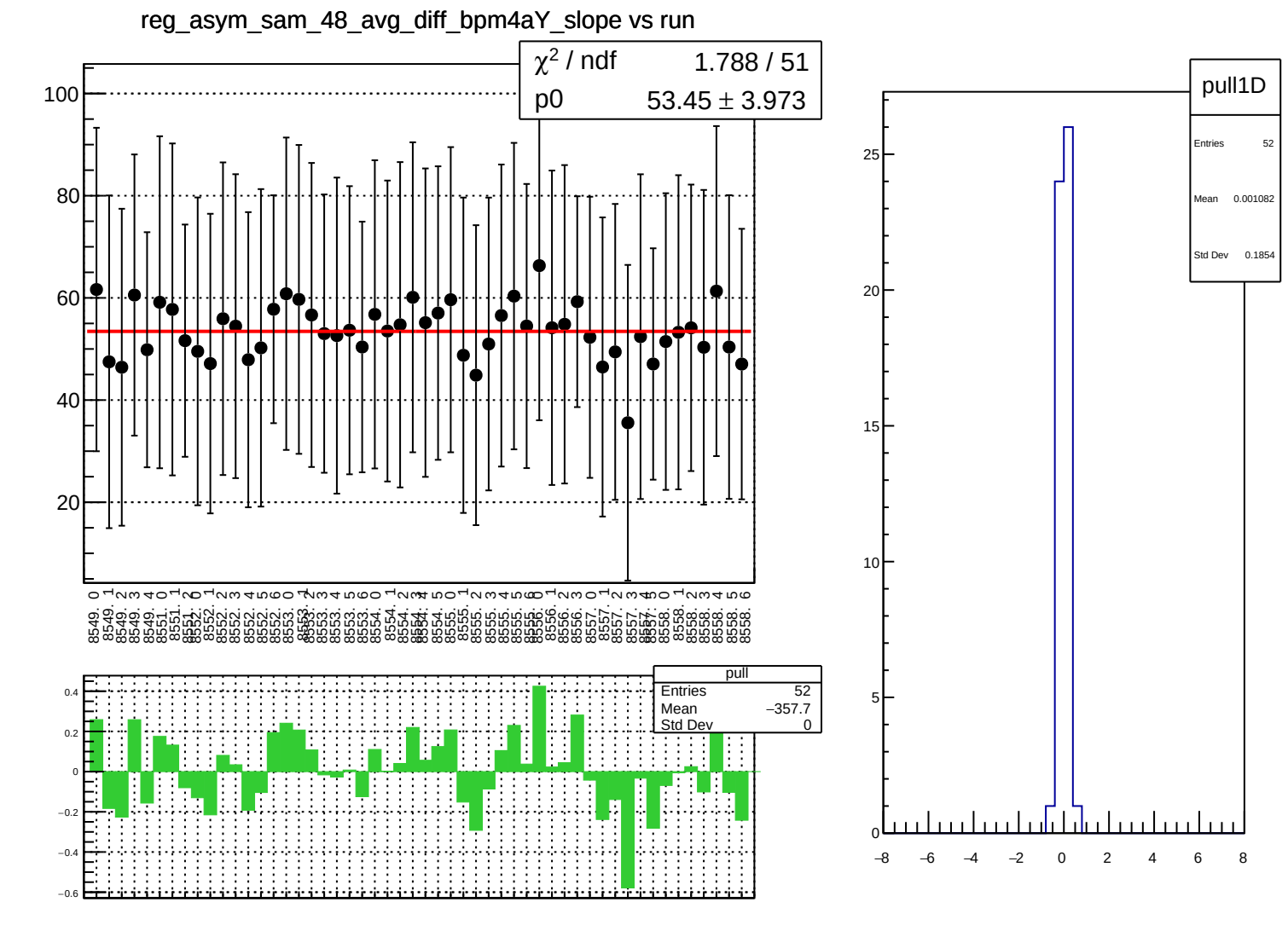

pull1D
Entries 52
Mean −0.001555
Std Dev 0.1404

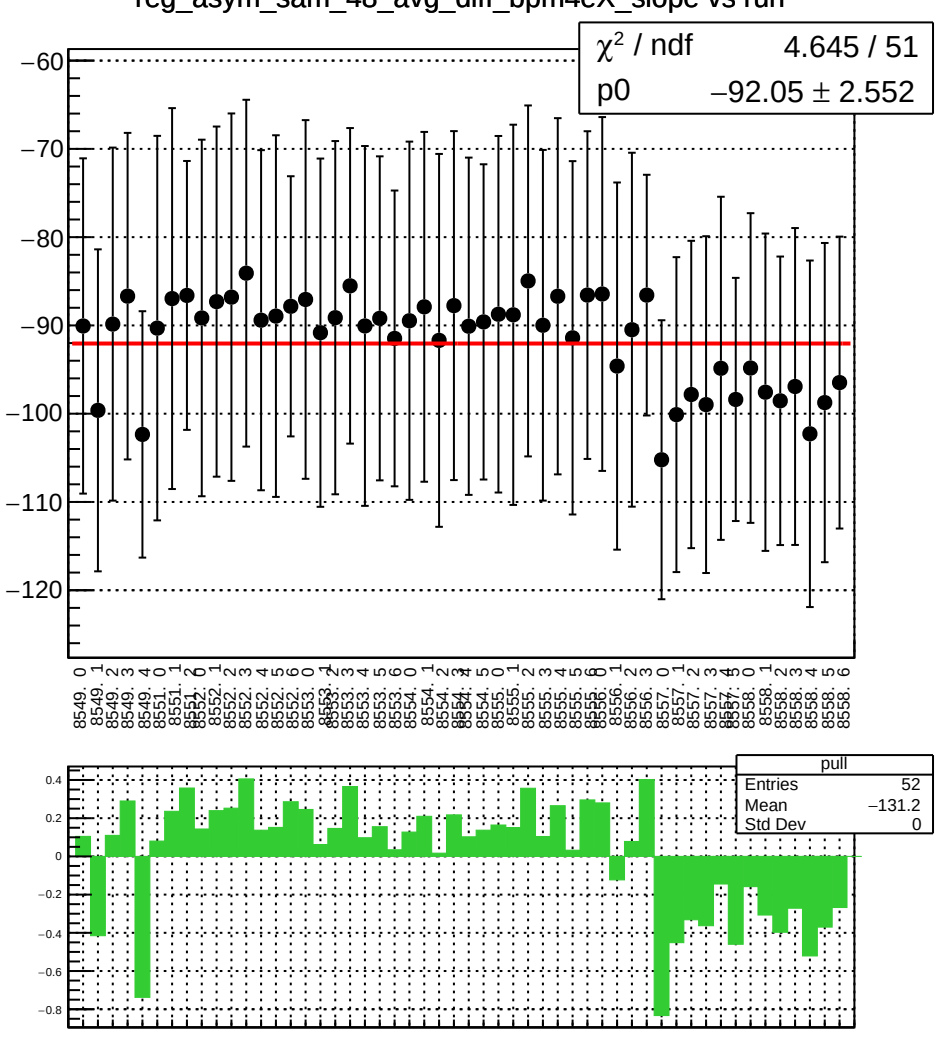

reg_asym_sam_26_dd_diff_bpm4eY_slope vs run
χ² / ndf 4.149 / 51
p0 12.85 ± 5.722
pull
Entries 52
Mean −221
Std Dev 0

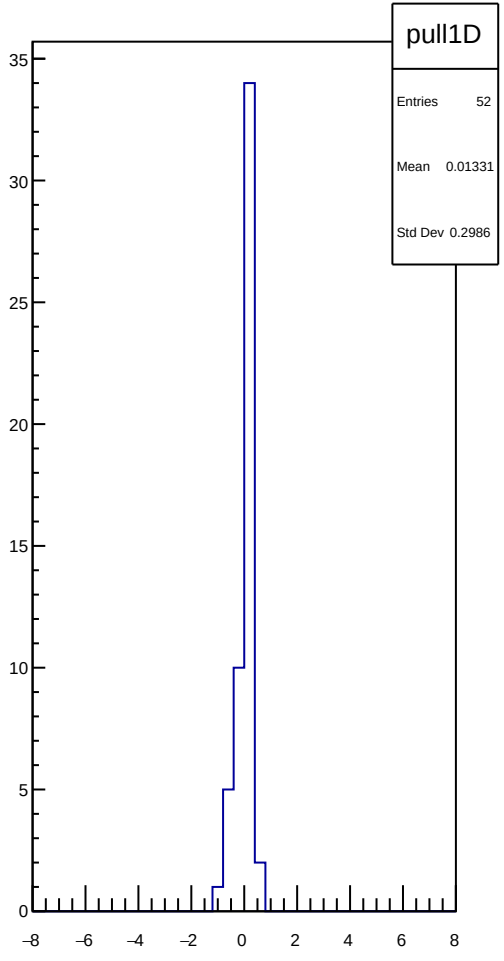

pull1D
Entries 52
Mean 0.01076
Std Dev 0.2823

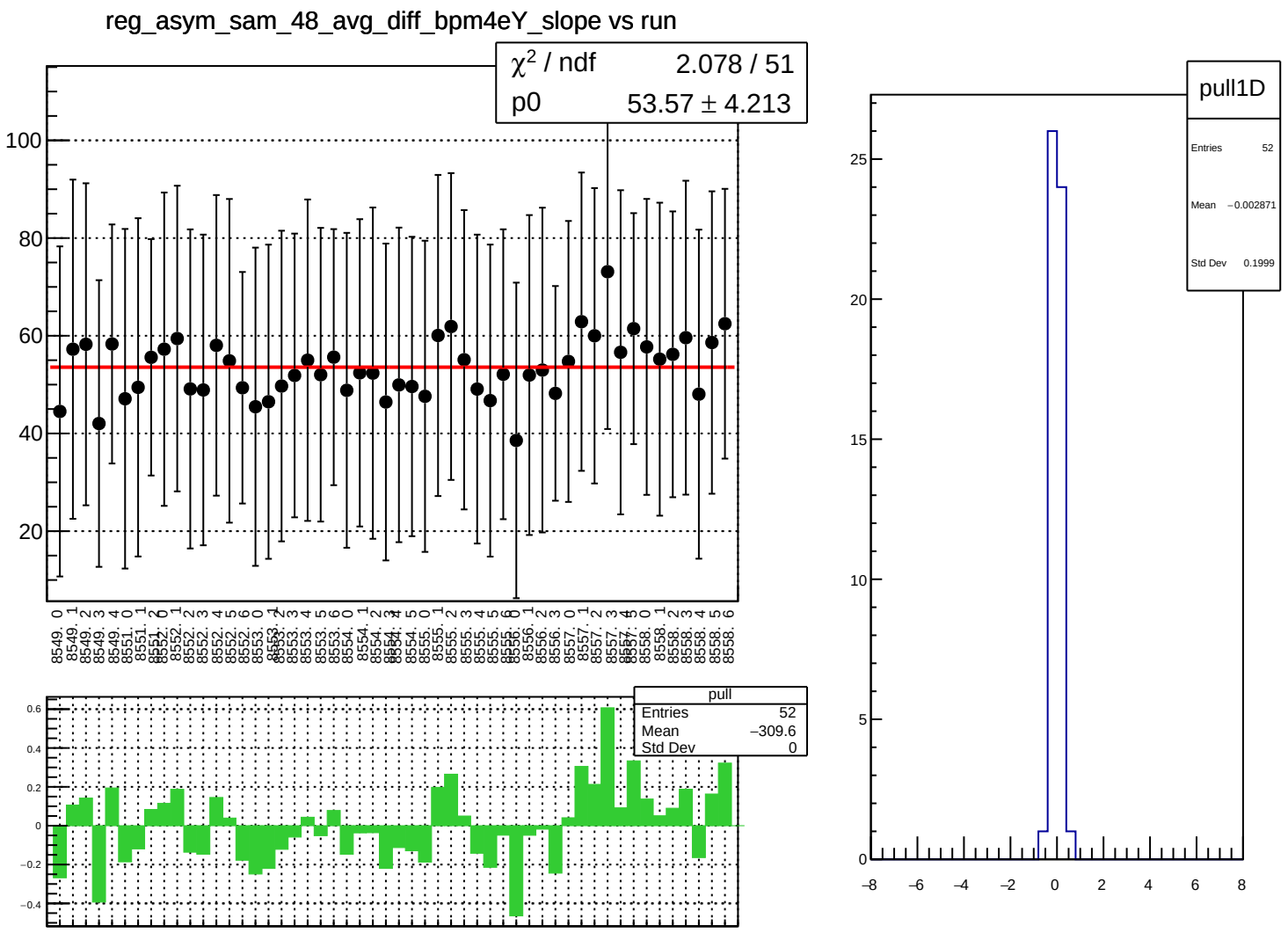

reg_asym_sam_26_dd_diff_bpm12X_slope vs run
χ² / ndf 1.88 / 51
p0 6.669 ± 0.3769
pull
Entries 52
Mean 179.1
Std Dev 0
pull1D
Entries 52
Mean 0.007366
Std Dev 0.19

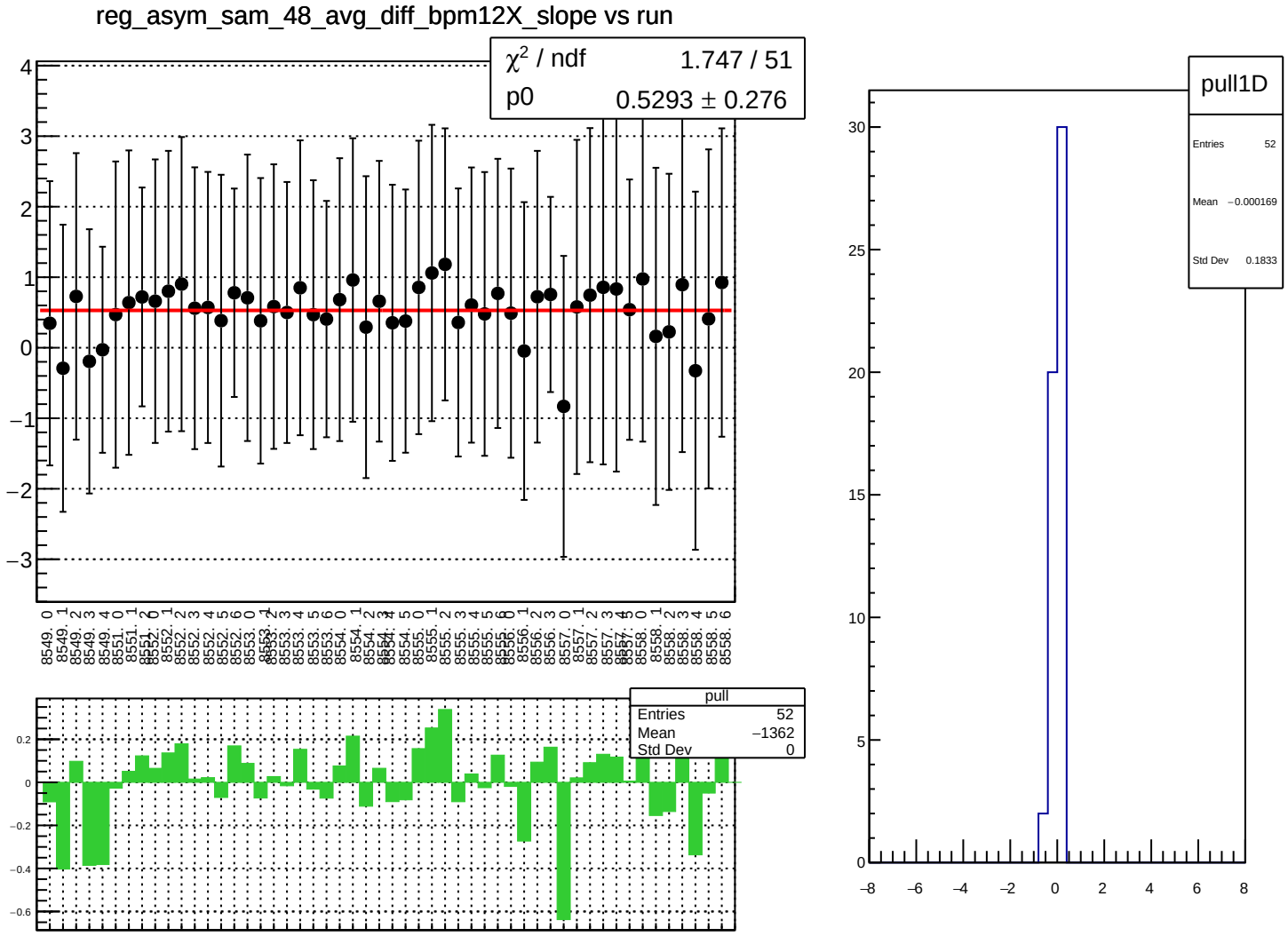

reg_asym_sam_48_avg_diff_bpm1X_slope vs run
χ² / ndf 4.802 / 51
p0 −2.925 ± 2.34
pull
Entries 52
Mean −58.7
Std Dev 0
pull1D
Entries 52
Mean −0.02279
Std Dev 0.303

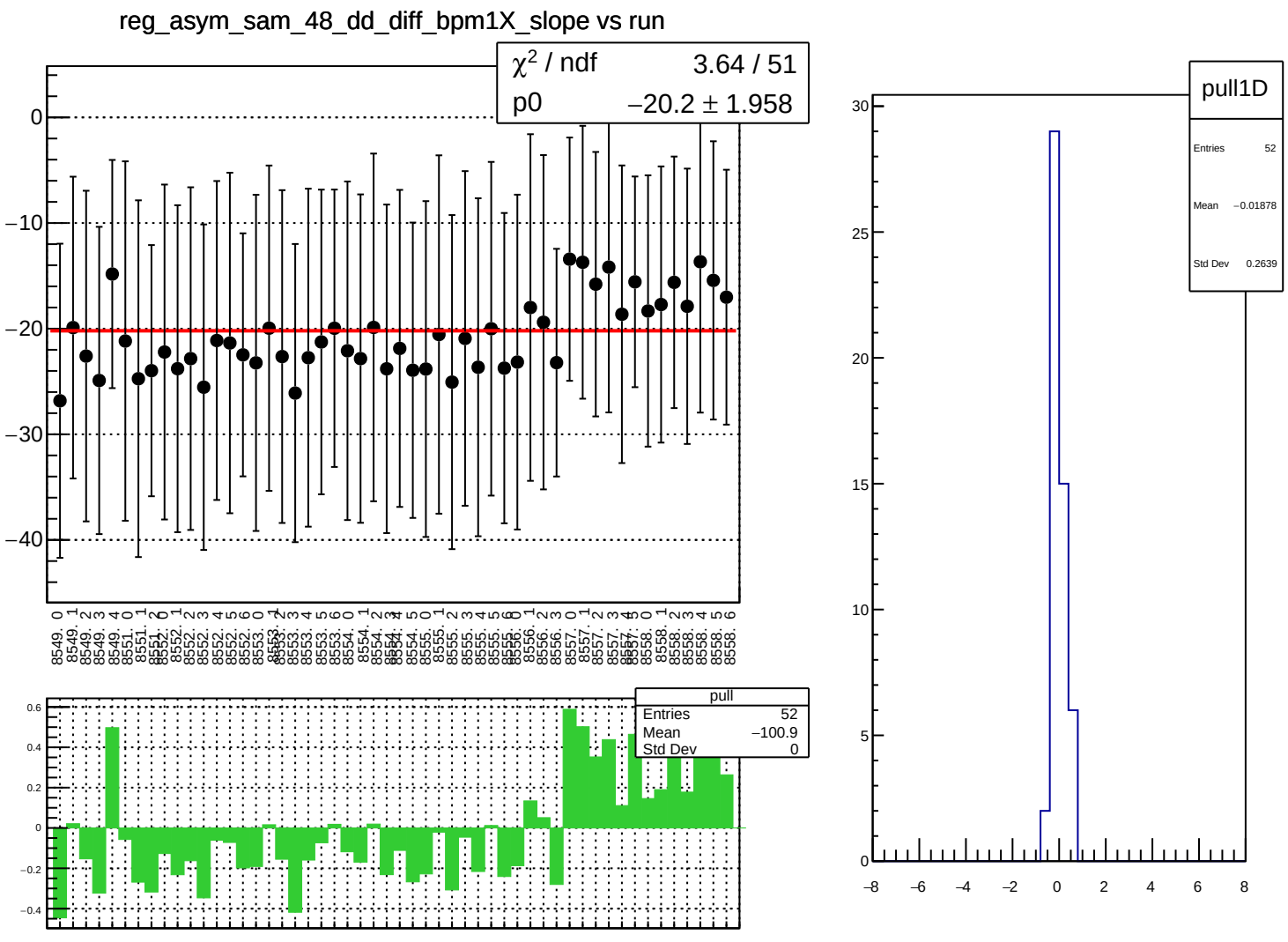

reg_asym_sam_48_avg_diff_bpm4aY_slope vs run
χ² / ndf 1.788 / 51
p0 53.45 ± 3.973
pull
Entries 52
Mean −357.7
Std Dev 0
pull1D
Entries 52
Mean 0.001082
Std Dev 0.1854

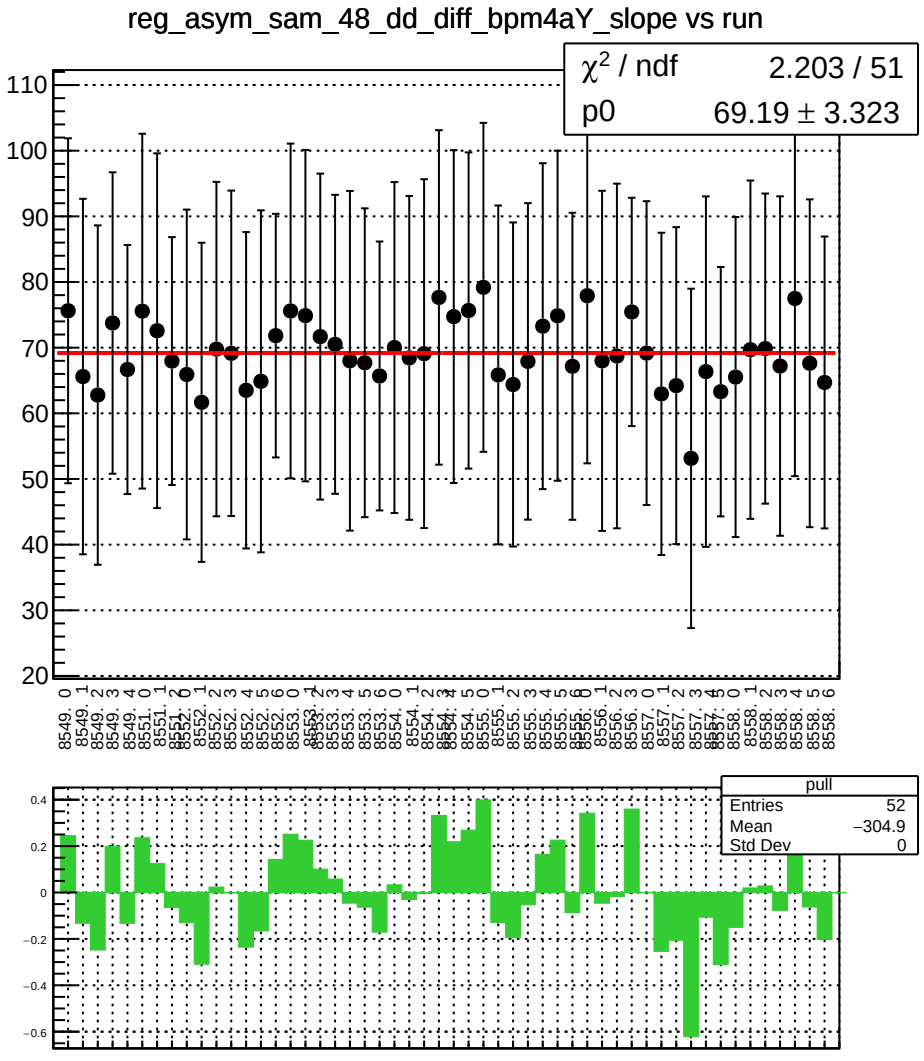

reg_asym_sam_48_avg_diff_bpm4eX_slope vs run
χ² / ndf 4.645 / 51
p0 −92.05 ± 2.552
pull
Entries 52
Mean −131.2
Std Dev 0

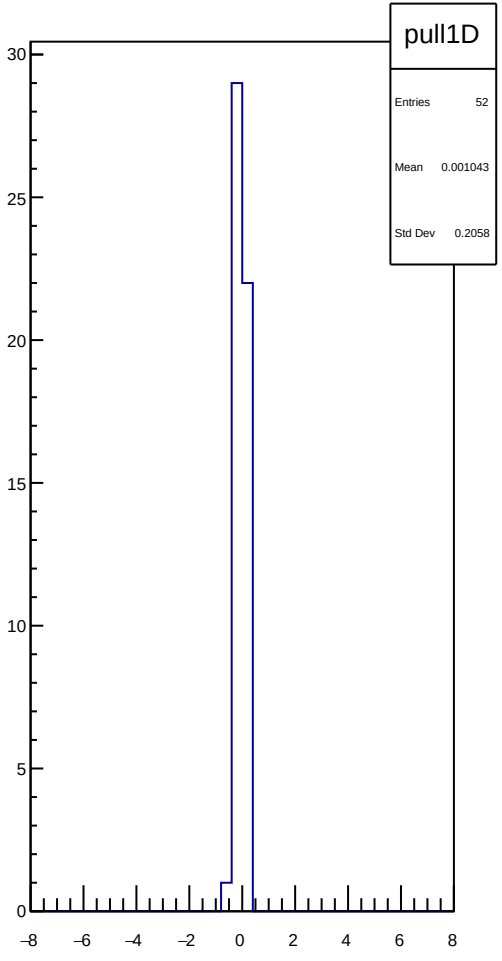

pull1D
Entries 52
Mean 0.01331
Std Dev 0.2986

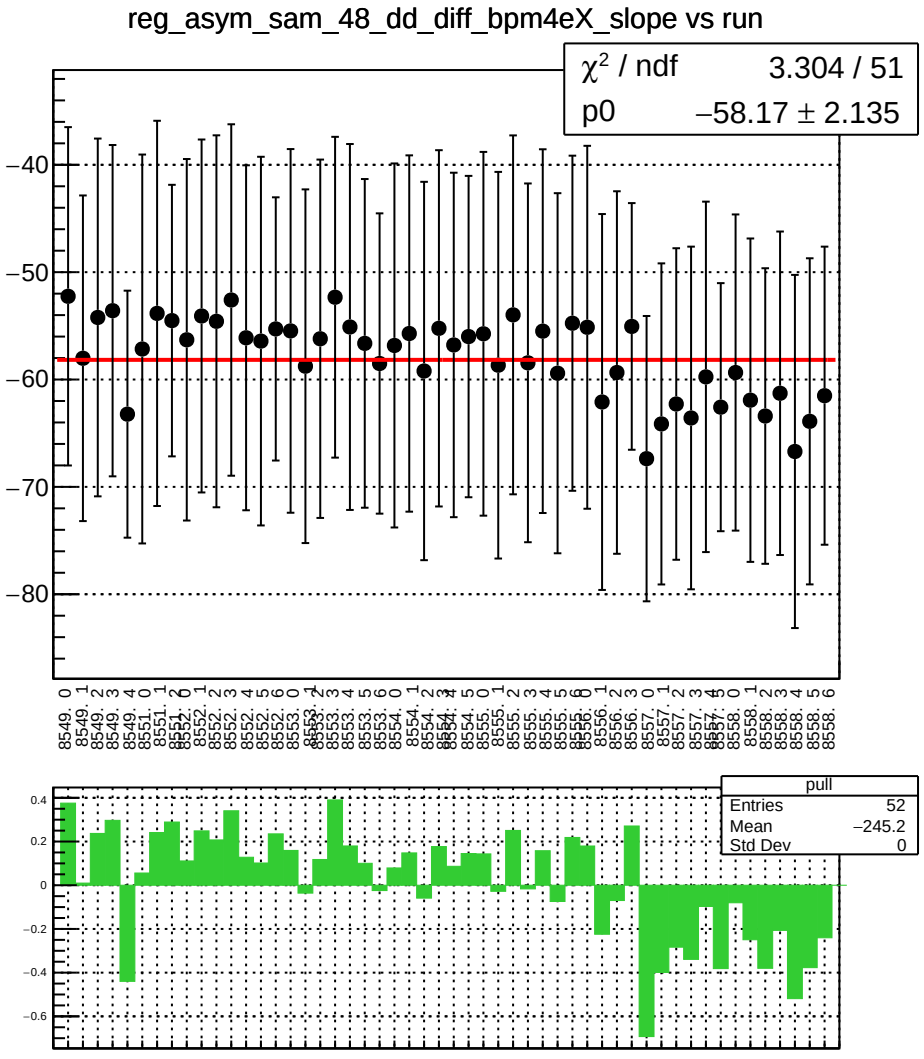

reg_asym_sam_48_avg_diff_bpm4eY_slope vs run
χ² / ndf 2.078 / 51
p0 53.57 ± 4.213
pull
Entries 52
Mean −309.6
Std Dev 0
pull1D
Entries 52
Mean −0.002871
Std Dev 0.1999

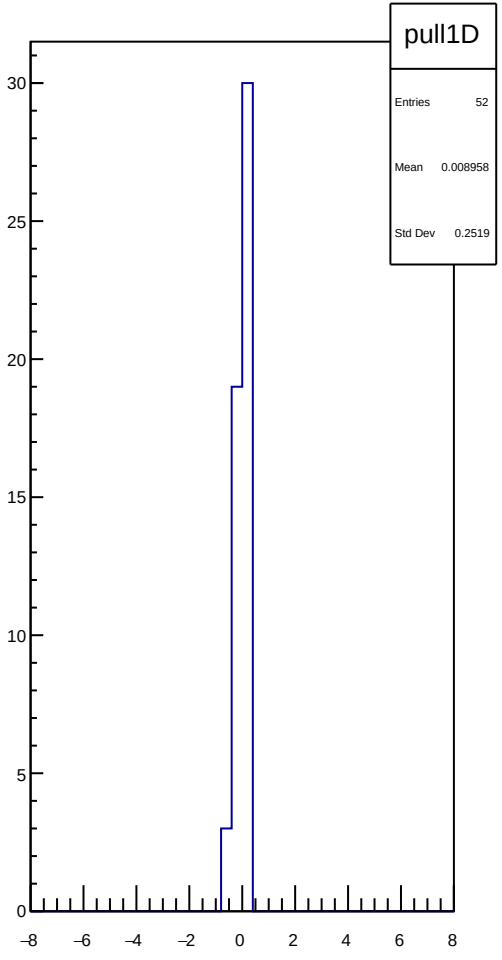

reg_asym_sam_48_avg_diff_bpm12X_slope vs run
χ² / ndf 1.747 / 51
p0 0.5293 ± 0.276
pull
Entries 52
Mean −1362
Std Dev 0
pull1D
Entries 52
Mean −0.000169
Std Dev 0.1833

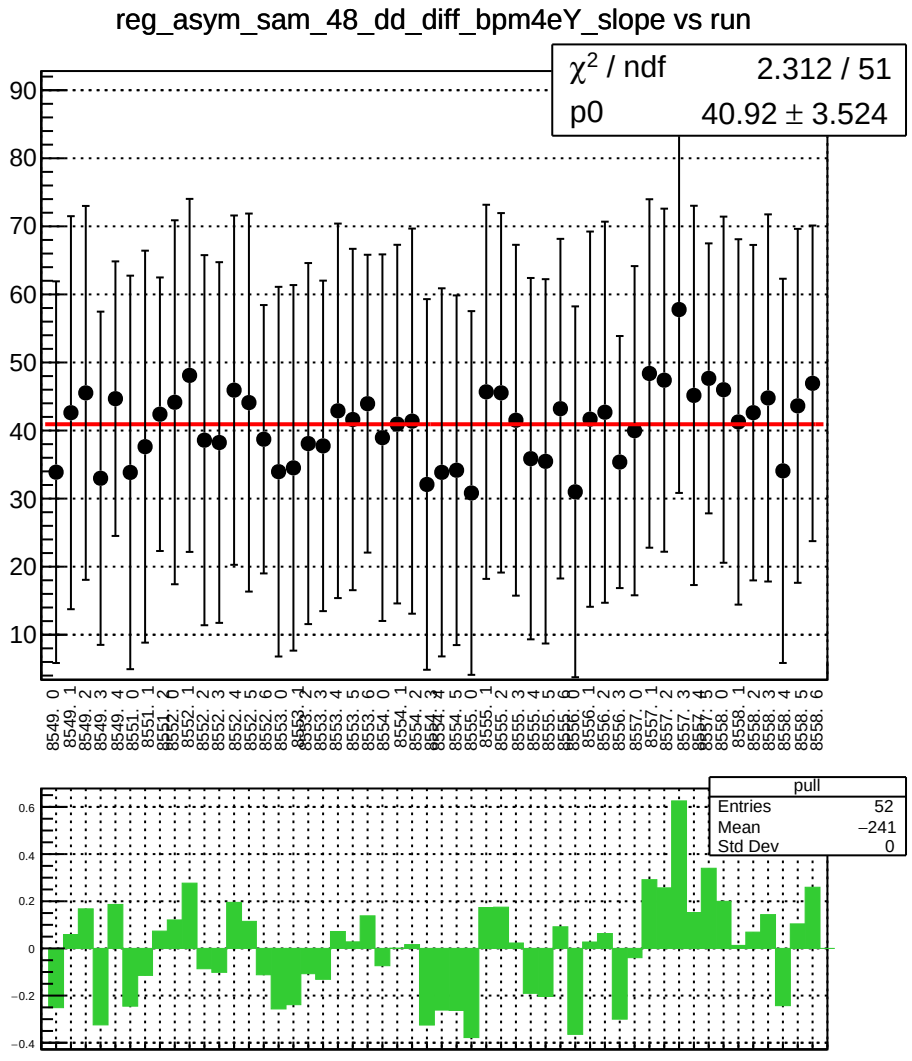

reg_asym_sam_48_dd_diff_bpm1X_slope vs run
χ² / ndf 3.64 / 51
p0 −20.2 ± 1.958
pull
Entries 52
Mean −100.9
Std Dev 0
pull1D
Entries 52
Mean −0.01878
Std Dev 0.2639

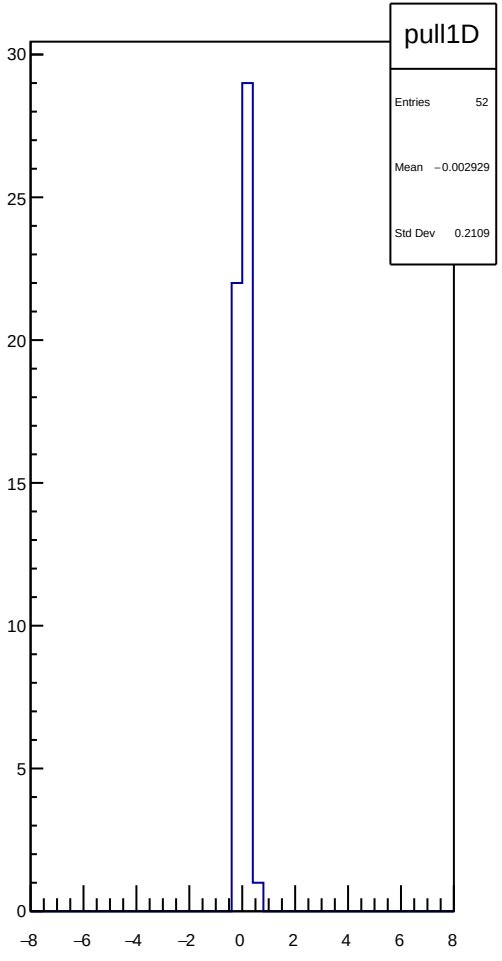

reg_asym_sam_48_dd_diff_bpm4aY_slope vs run
χ² / ndf 2.203 / 51
p0 69.19 ± 3.323
pull
Entries 52
Mean −304.9
Std Dev 0

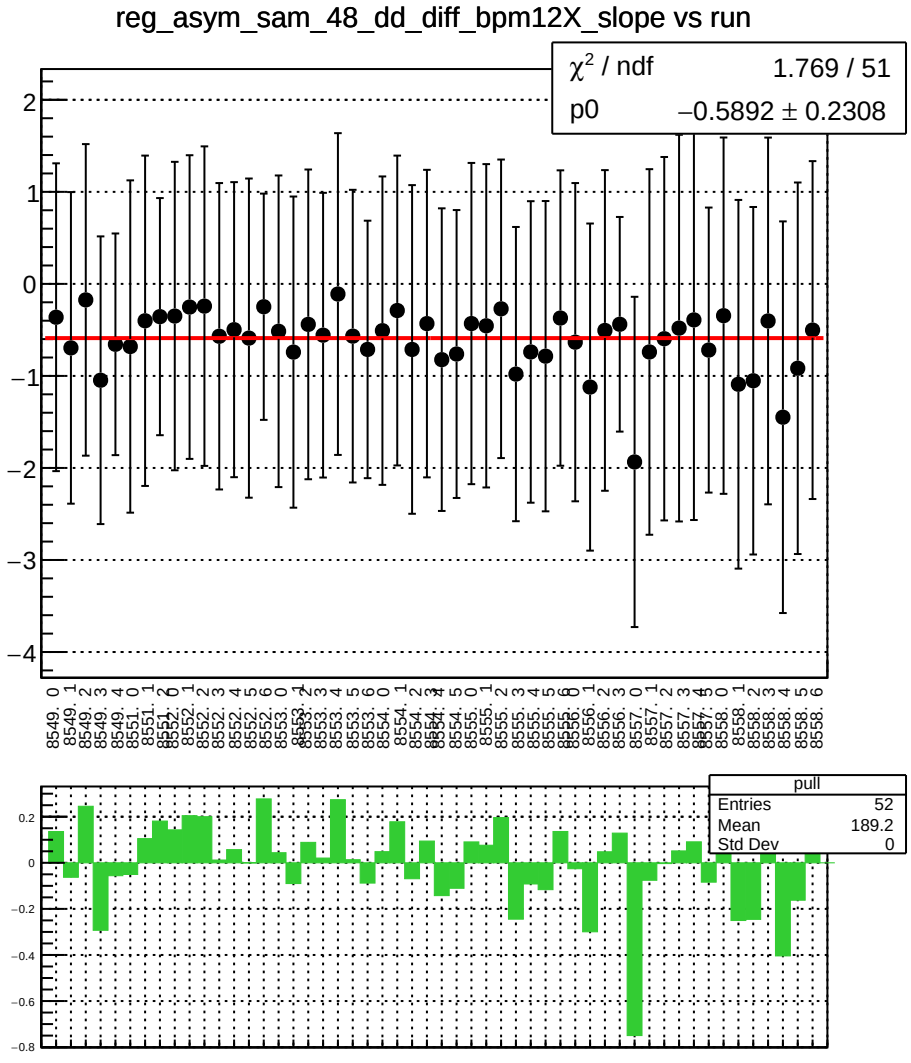

pull1D
Entries 52
Mean 0.001043
Std Dev 0.2058

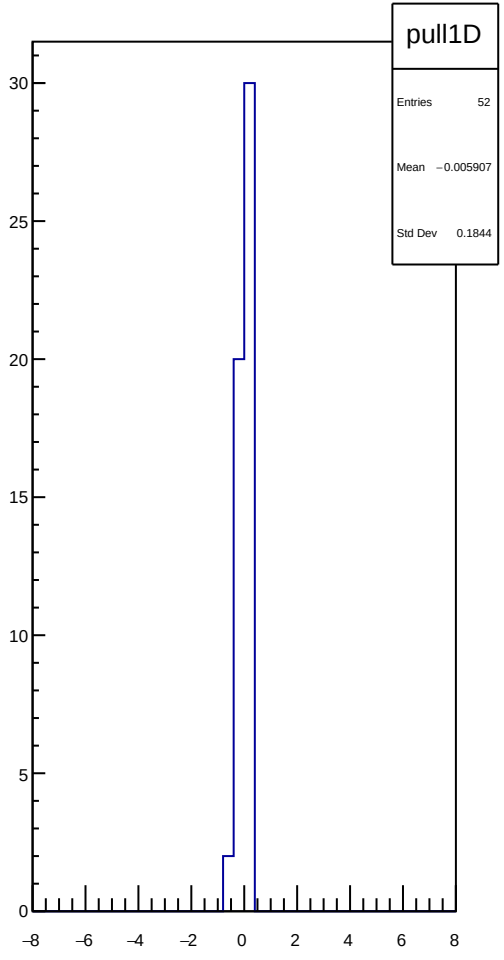

reg_asym_sam_48_dd_diff_bpm4eX_slope vs run
χ² / ndf 3.304 / 51
p0 −58.17 ± 2.135
−40
−50
−60
−70
−80
pull
Entries 52
Mean −245.2
Std Dev 0
0.4
0.2
0
−0.2
−0.4
−0.6

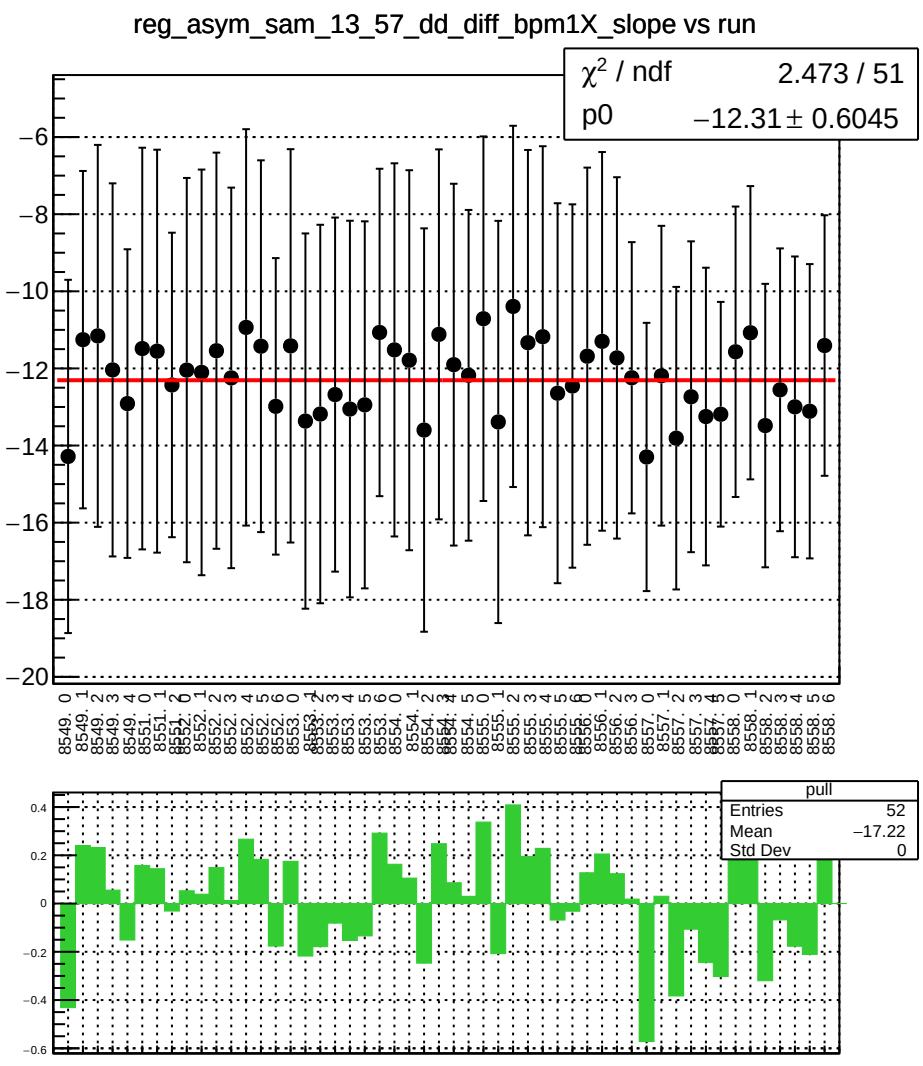

pull1D
Entries 52
Mean 0.008958
Std Dev 0.2519
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

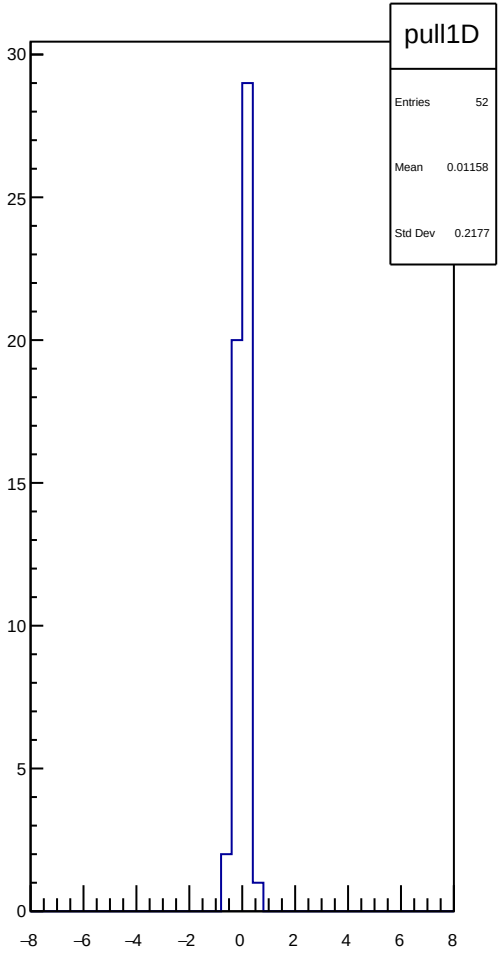

reg_asym_sam_48_dd_diff_bpm4eY_slope vs run
χ² / ndf 2.312 / 51
p0 40.92 ± 3.524
pull
Entries 52
Mean −241
Std Dev 0

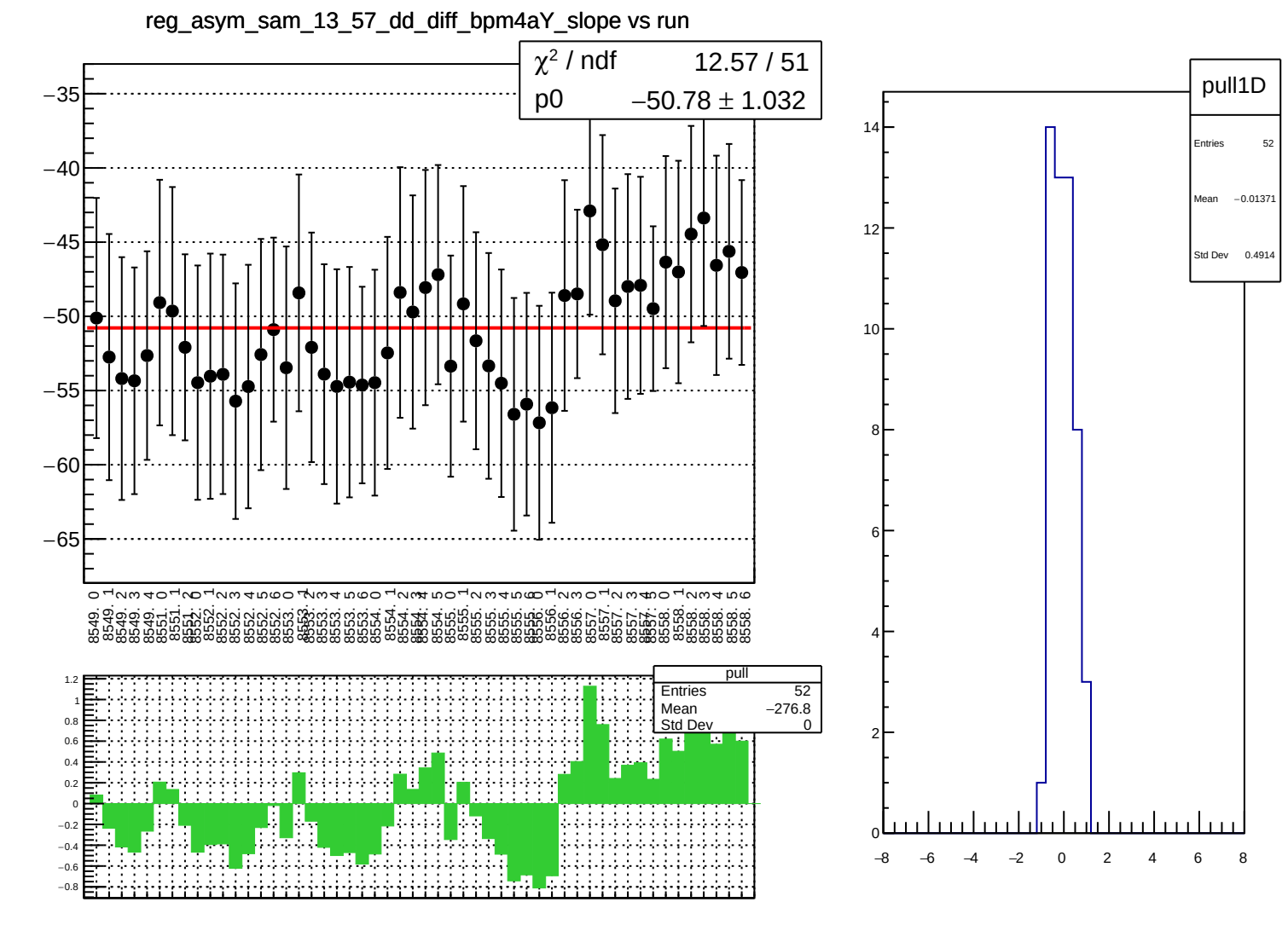

pull1D
Entries 52
Mean −0.002929
Std Dev 0.2109

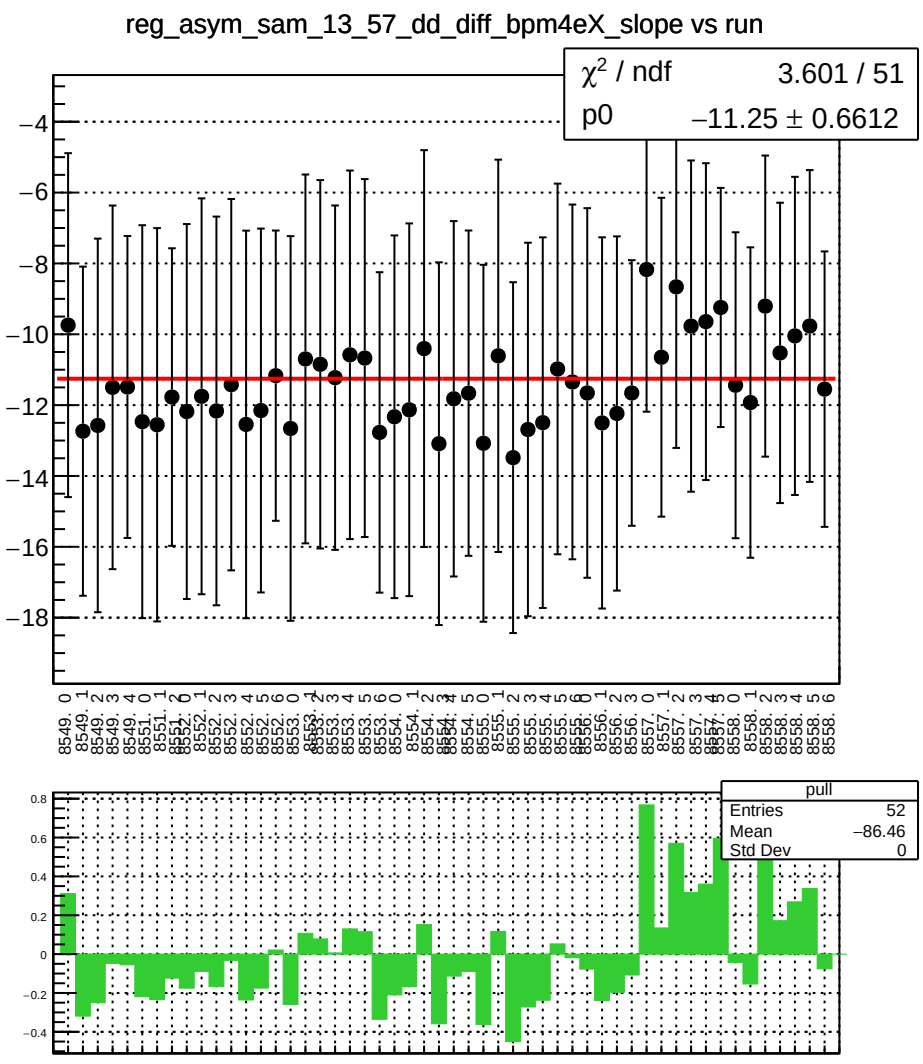

reg_asym_sam_48_dd_diff_bpm12X_slope vs run
χ² / ndf 1.769 / 51
p0 −0.5892 ± 0.2308
pull
Entries 52
Mean 189.2
Std Dev 0

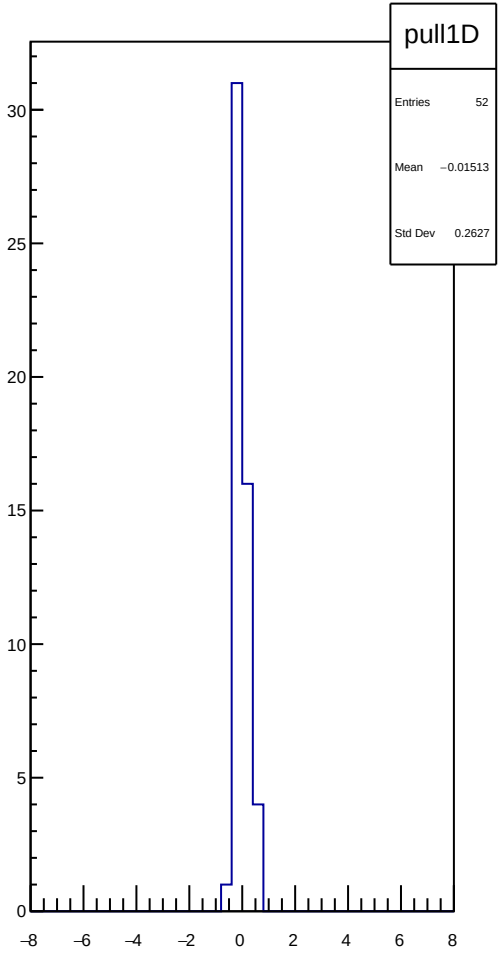

pull1D
Entries 52
Mean −0.005907
Std Dev 0.1844

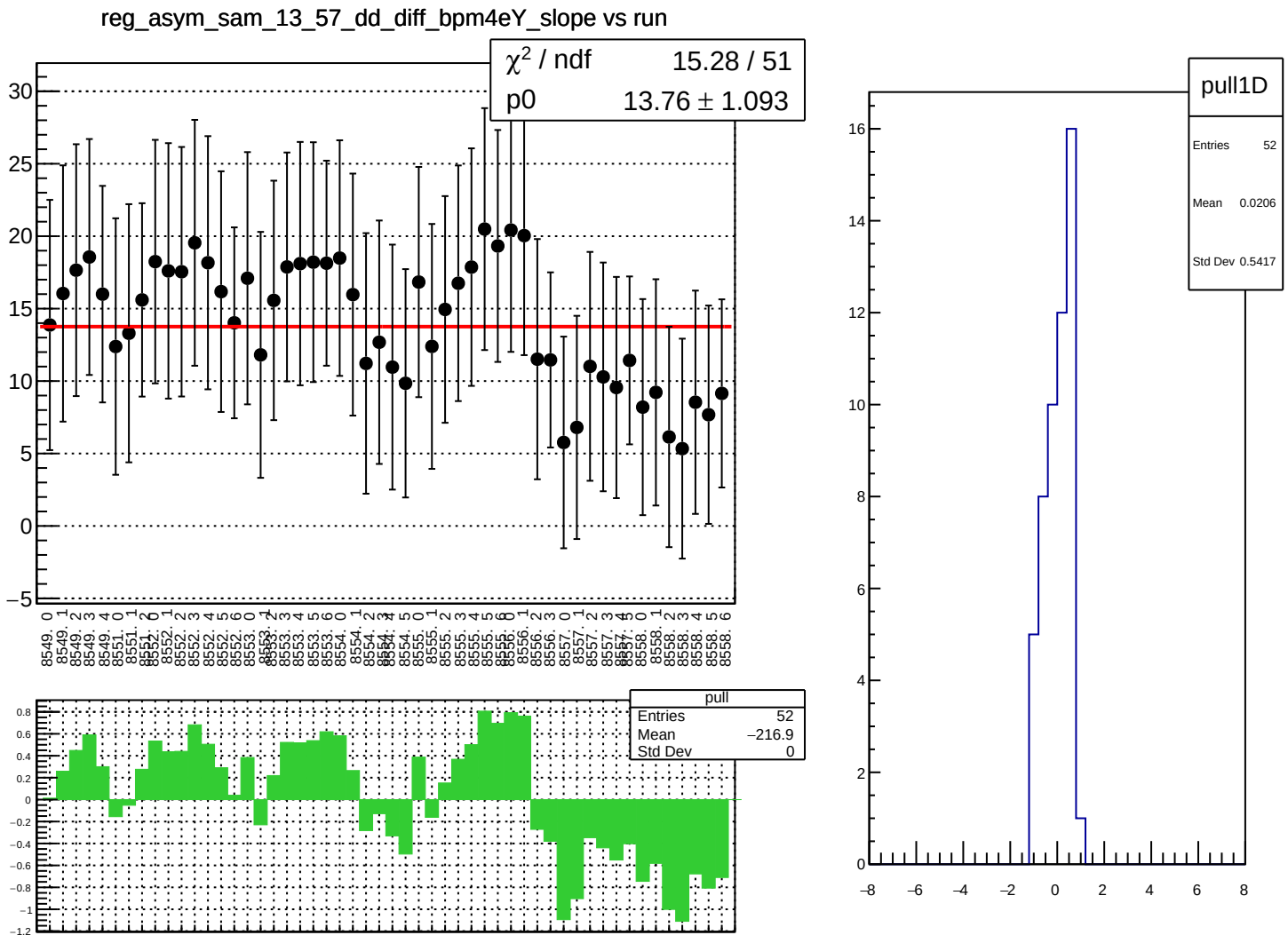

reg_asym_sam_13_57_dd_diff_bpm1X_slope vs run
χ² / ndf 2.473 / 51
p0 −12.31 ± 0.6045
pull
Entries 52
Mean −17.22
Std Dev 0

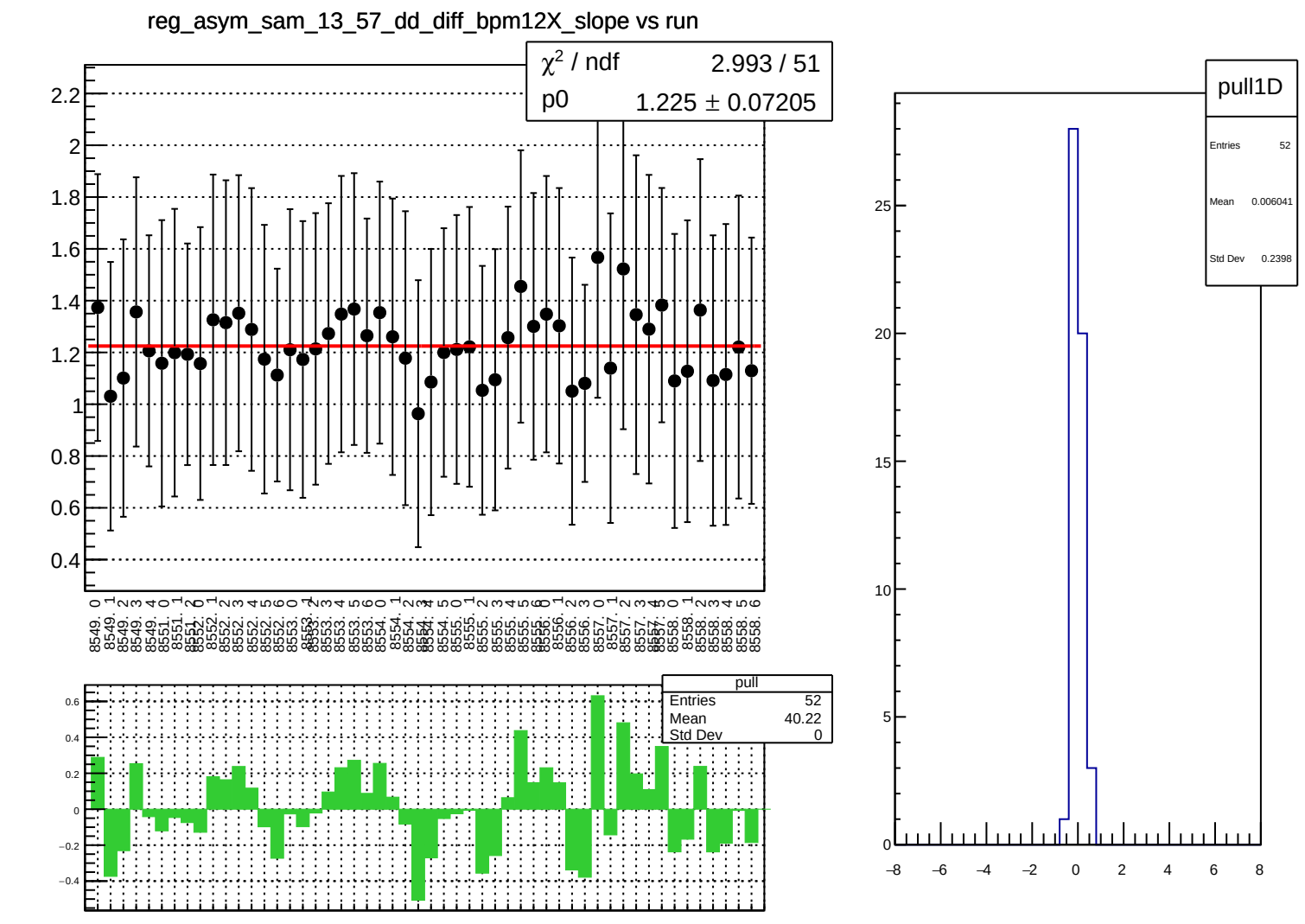

pull1D
Entries 52
Mean 0.01158
Std Dev 0.2177

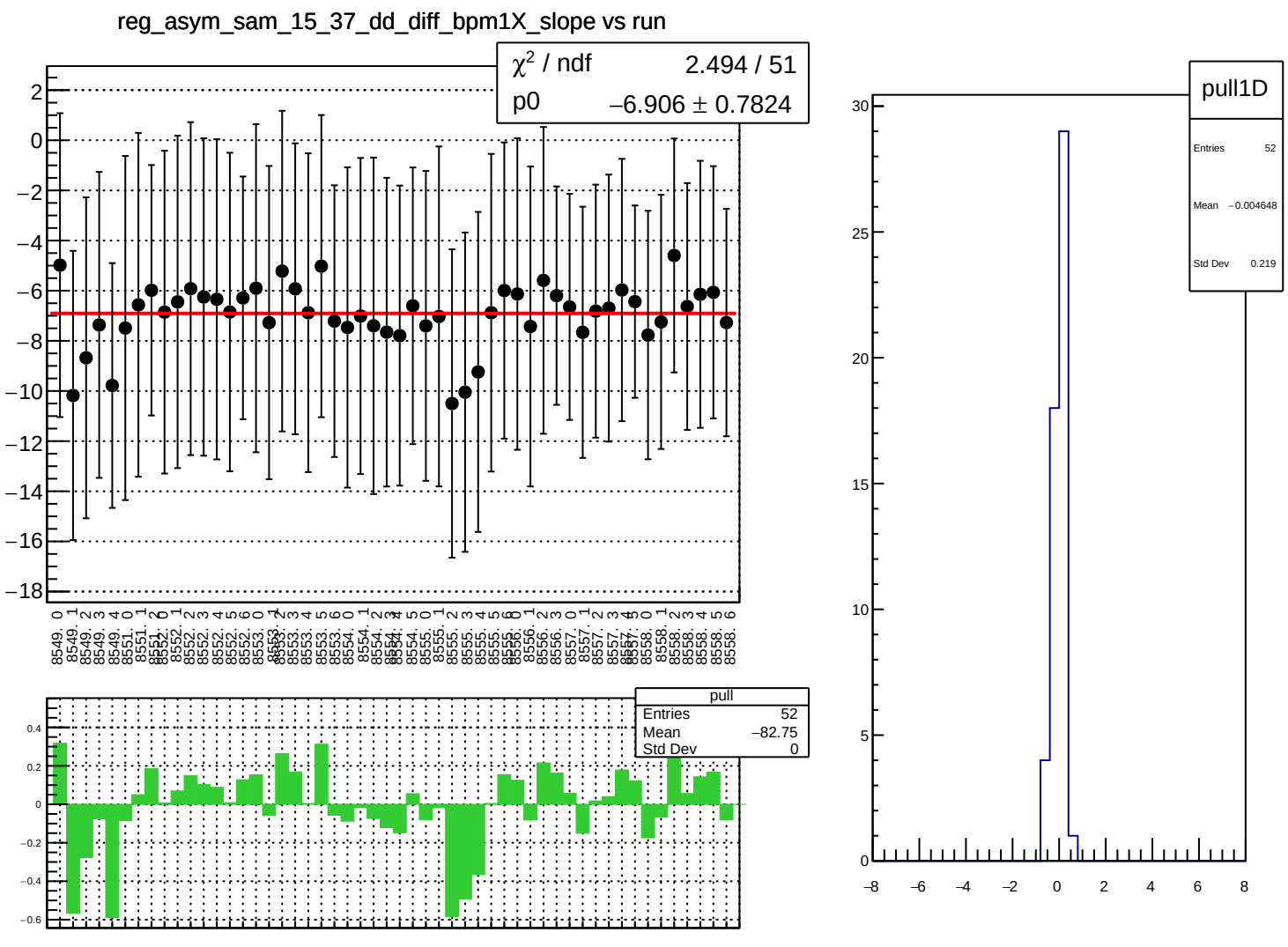

reg_asym_sam_13_57_dd_diff_bpm4aY_slope vs run
χ² / ndf 12.57 / 51
p0 −50.78 ± 1.032
pull
Entries 52
Mean −276.8
Std Dev 0
pull1D
Entries 52
Mean −0.01371
Std Dev 0.4914

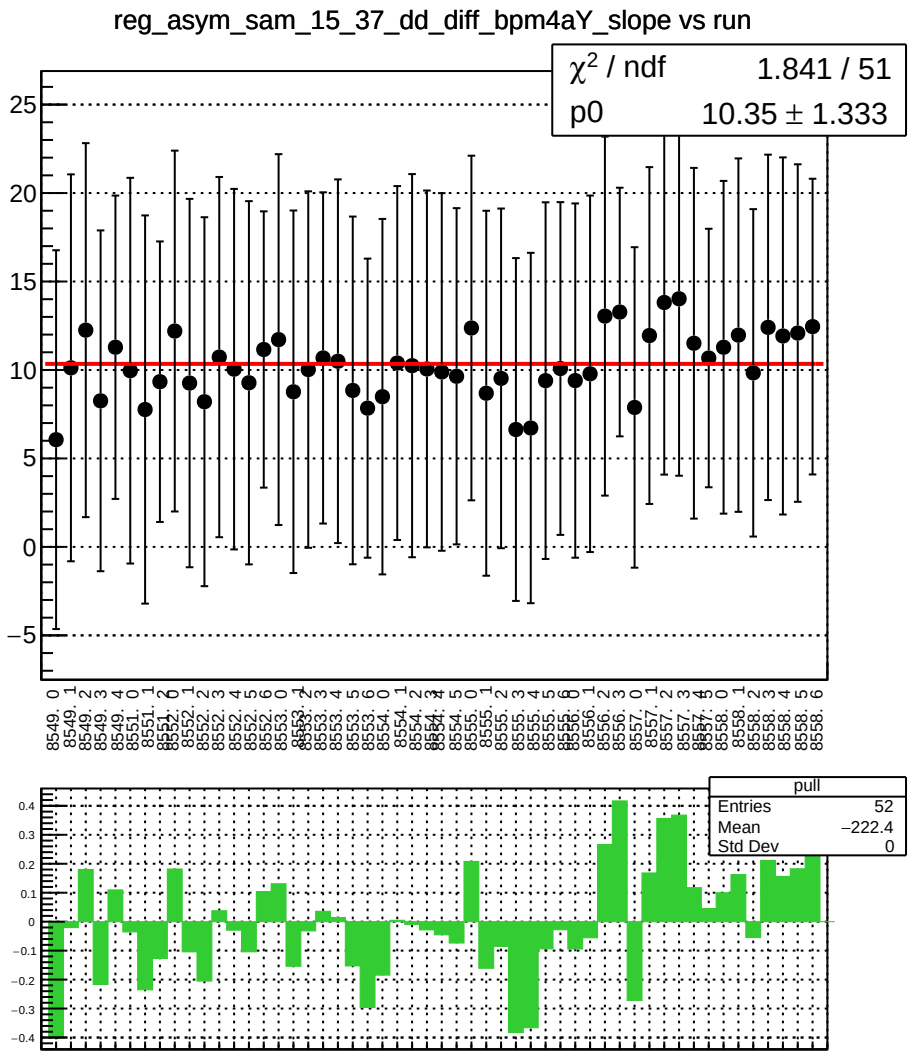

reg_asym_sam_13_57_dd_diff_bpm4eX_slope vs run
χ² / ndf 3.601 / 51
p0 −11.25 ± 0.6612
pull
Entries 52
Mean −86.46
Std Dev 0

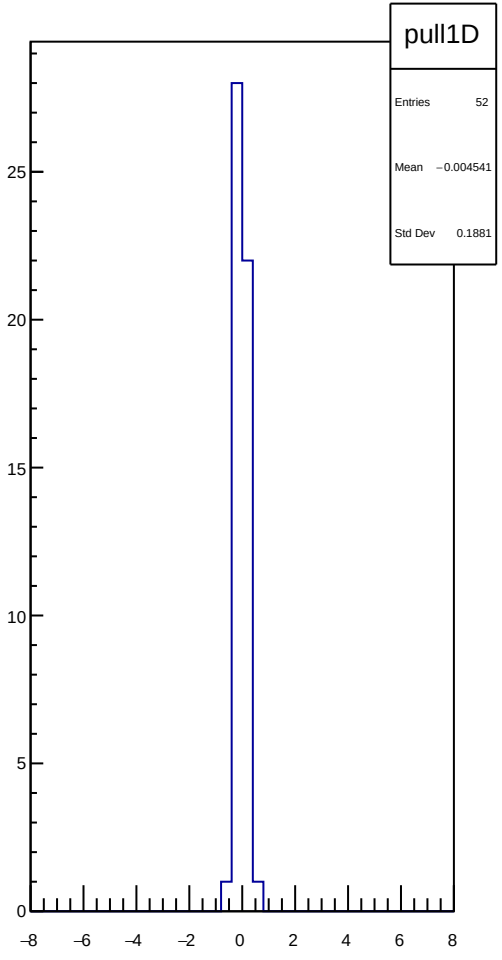

pull1D
Entries 52
Mean −0.01513
Std Dev 0.2627

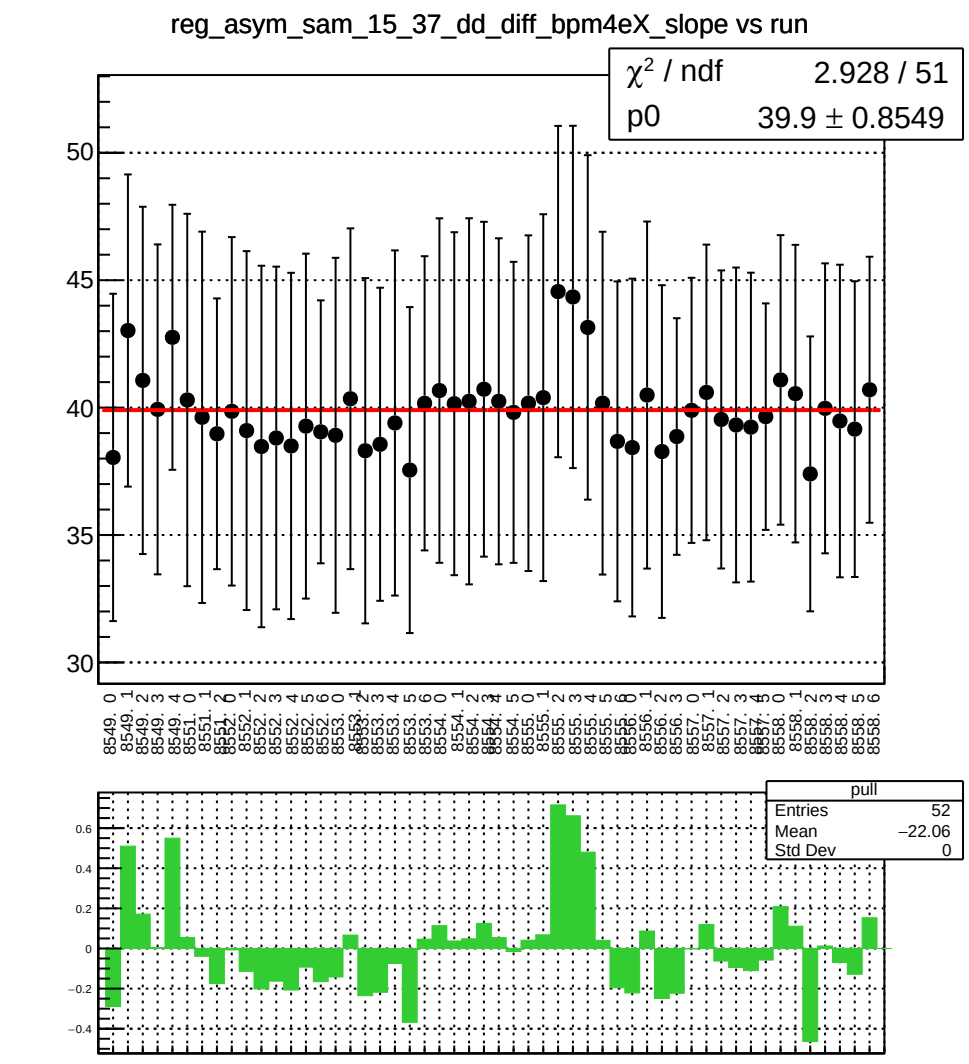

reg_asym_sam_13_57_dd_diff_bpm4eY_slope vs run
χ² / ndf 15.28 / 51
p0 13.76 ± 1.093
pull
Entries 52
Mean −216.9
Std Dev 0
pull1D
Entries 52
Mean 0.0206
Std Dev 0.5417

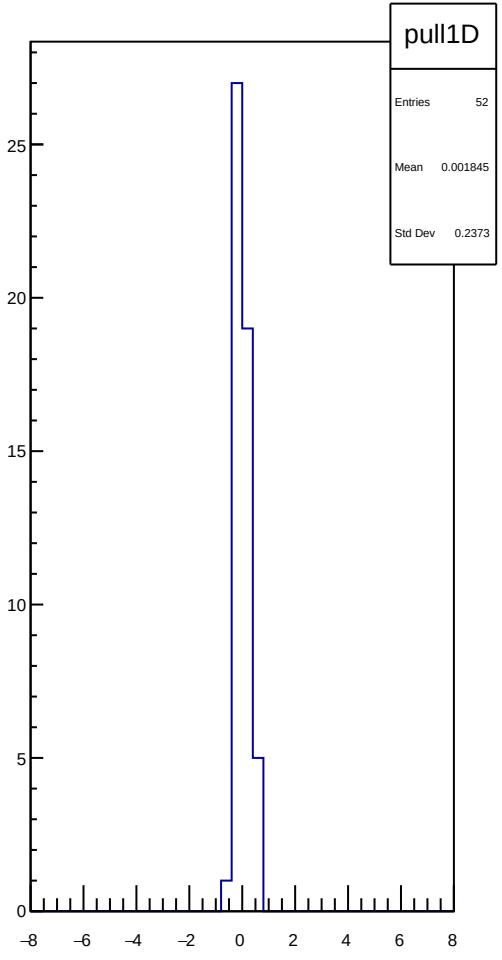

reg_asym_sam_13_57_dd_diff_bpm12X_slope vs run
χ² / ndf 2.993 / 51
p0 1.225 ± 0.07205
pull
Entries 52
Mean 40.22
Std Dev 0
pull1D
Entries 52
Mean 0.006041
Std Dev 0.2398

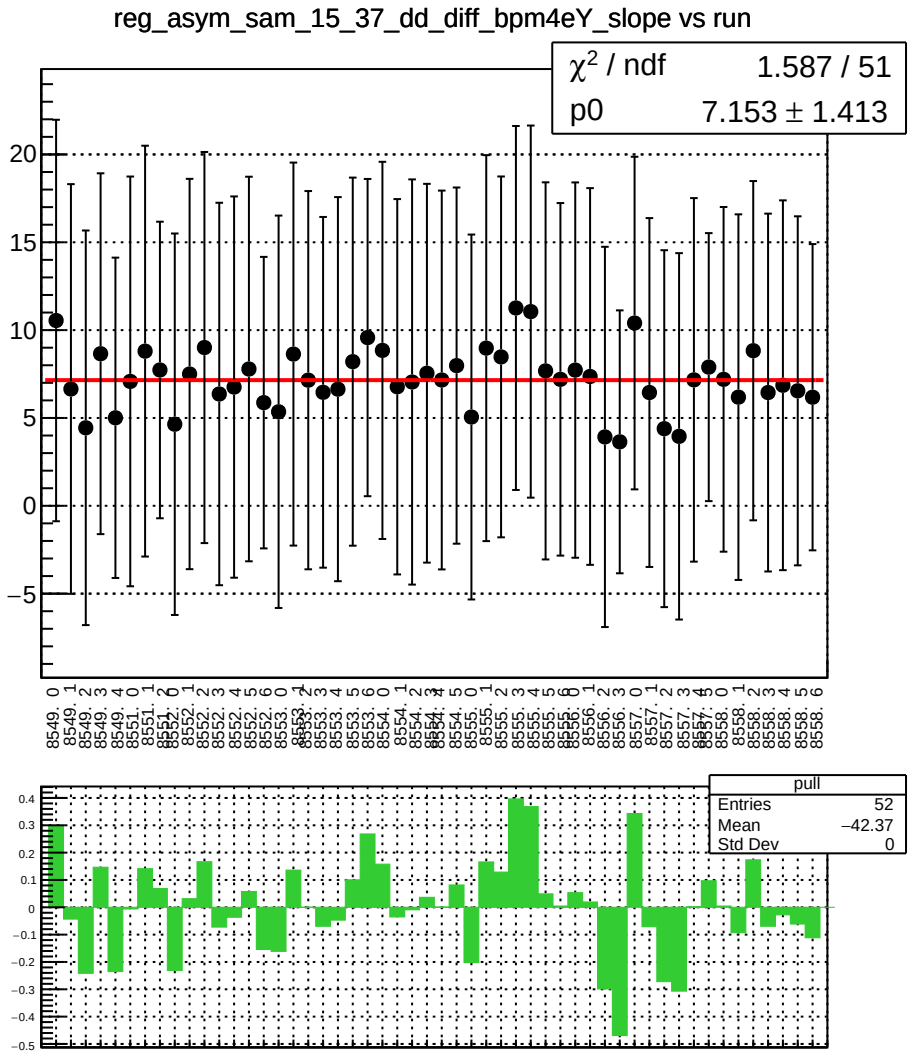

reg_asym_sam_15_37_dd_diff_bpm1X_slope vs run
χ² / ndf 2.494 / 51
p0 −6.906 ± 0.7824
pull
Entries 52
Mean −82.75
Std Dev 0
pull1D
Entries 52
Mean −0.004648
Std Dev 0.219

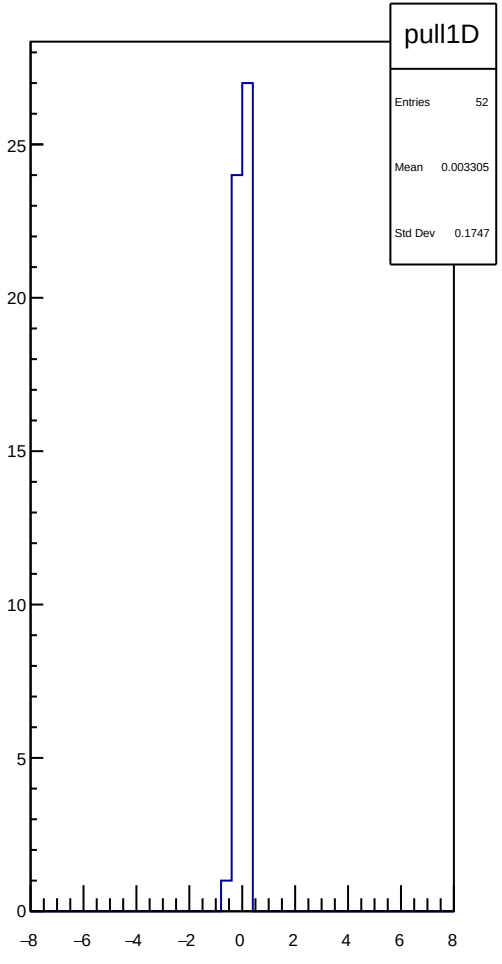

reg_asym_sam_15_37_dd_diff_bpm4aY_slope vs run
χ² / ndf 1.841 / 51
p0 10.35 ± 1.333
pull
Entries 52
Mean −222.4
Std Dev 0

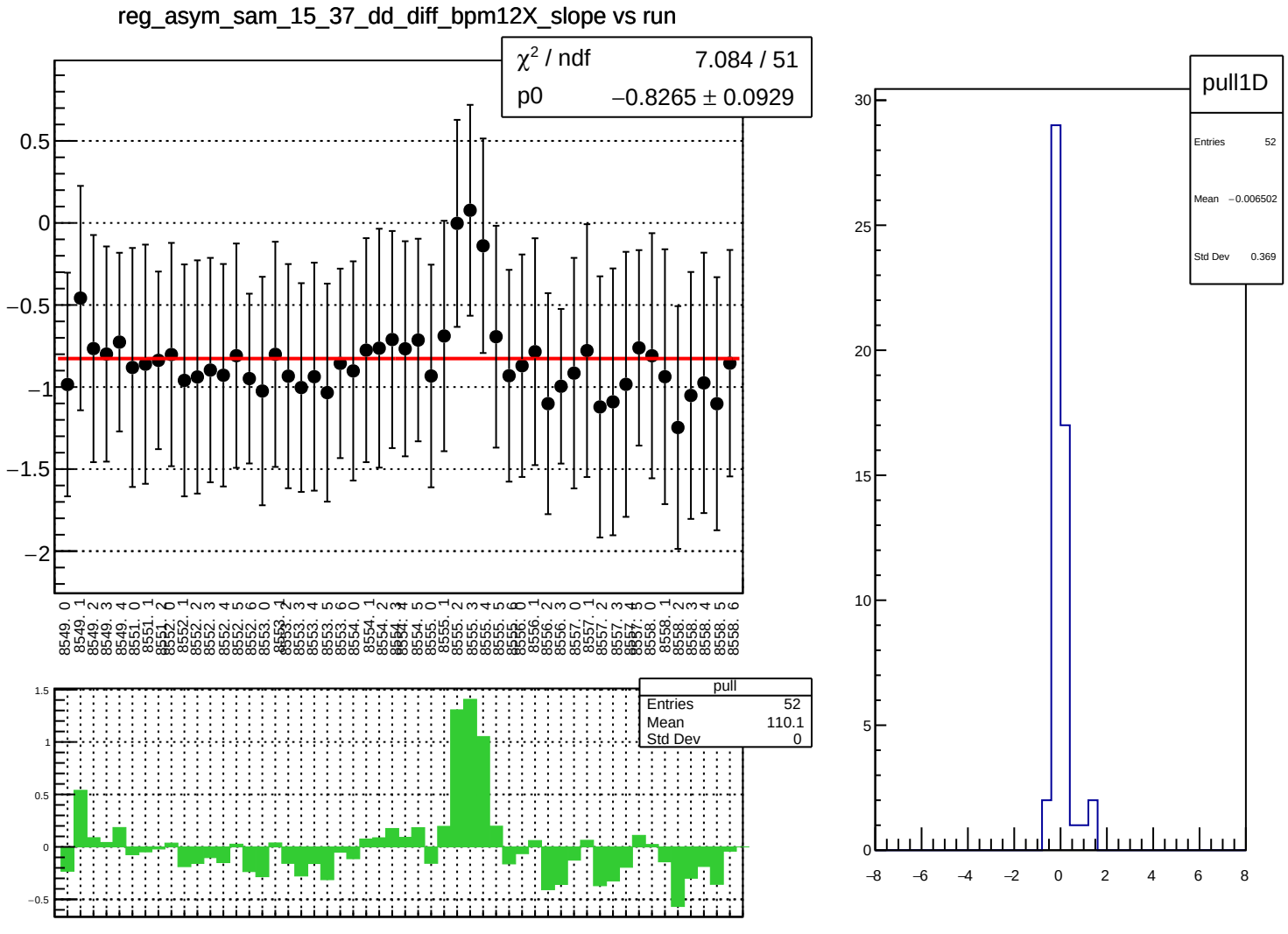

pull1D
Entries 52
Mean −0.004541
Std Dev 0.1881

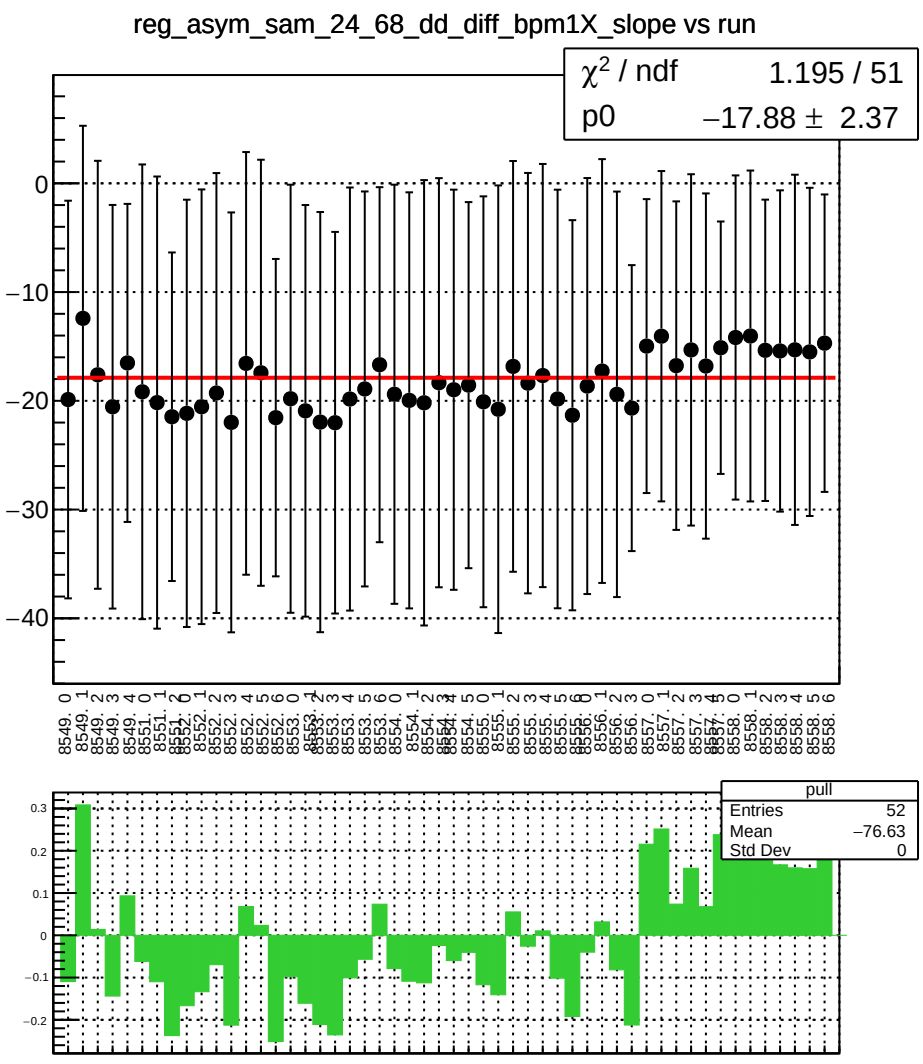

reg_asym_sam_15_37_dd_diff_bpm4eX_slope vs run
χ² / ndf 2.928 / 51
p0 39.9 ± 0.8549
pull
Entries 52
Mean −22.06
Std Dev 0

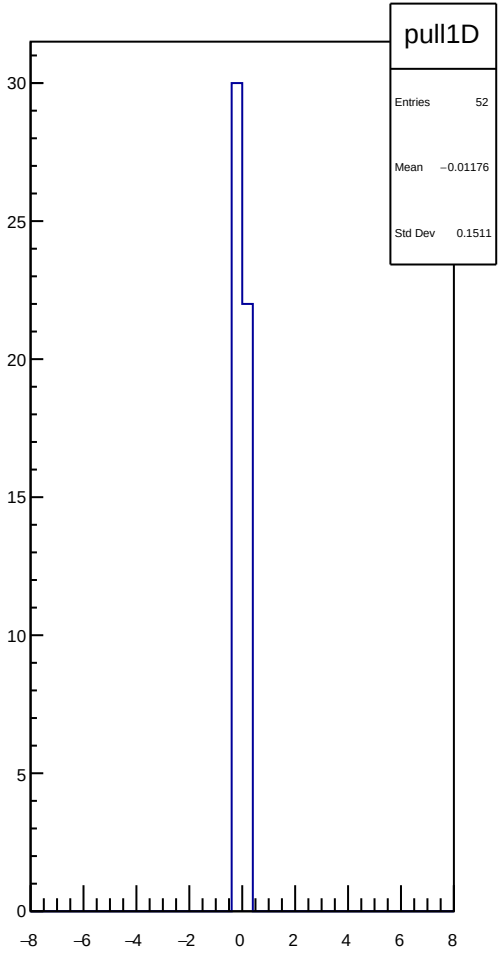

pull1D
Entries 52
Mean 0.001845
Std Dev 0.2373

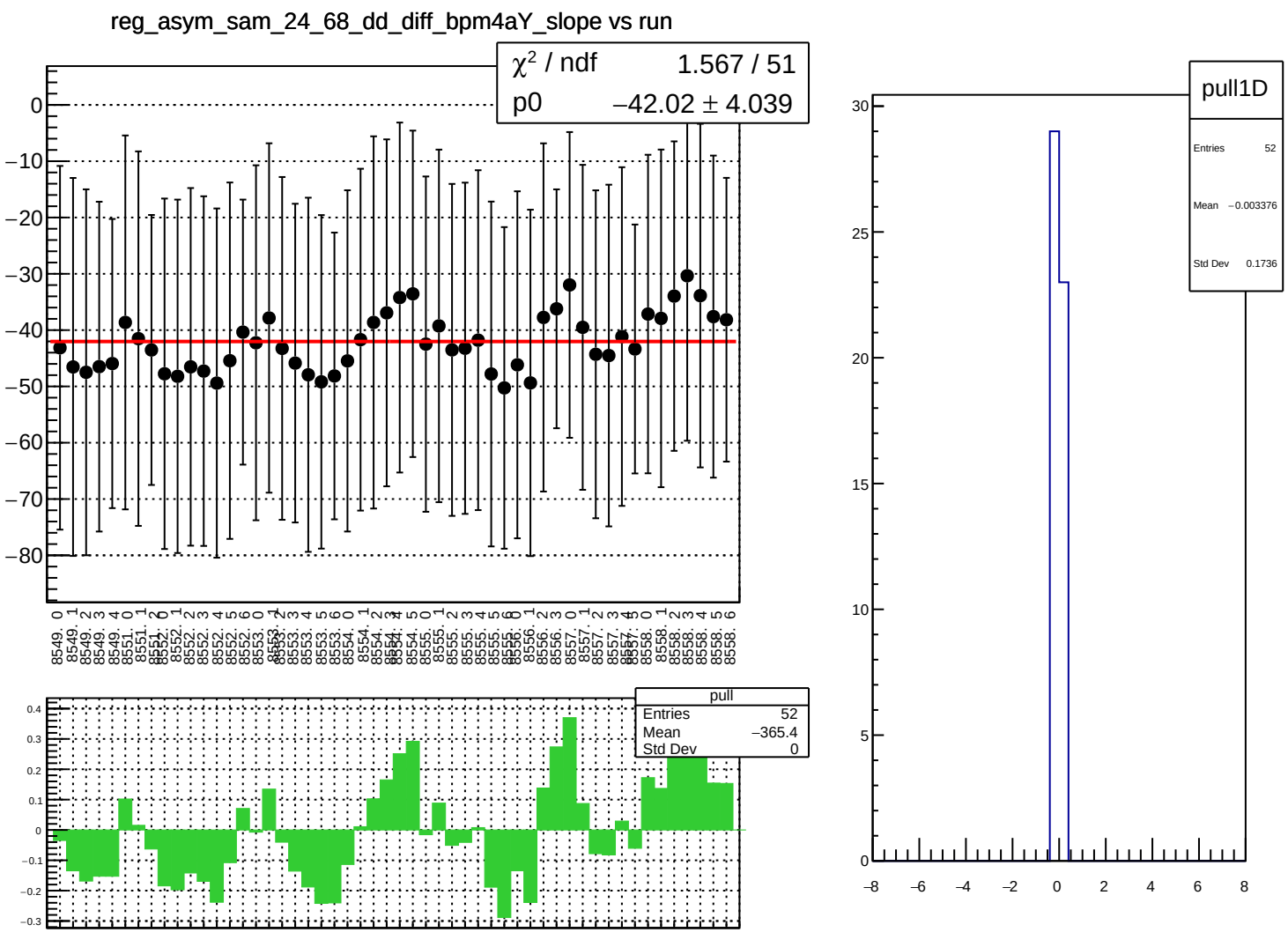

reg_asym_sam_15_37_dd_diff_bpm4eY_slope vs run
χ² / ndf 1.587 / 51
p0 7.153 ± 1.413
pull
Entries 52
Mean −42.37
Std Dev 0

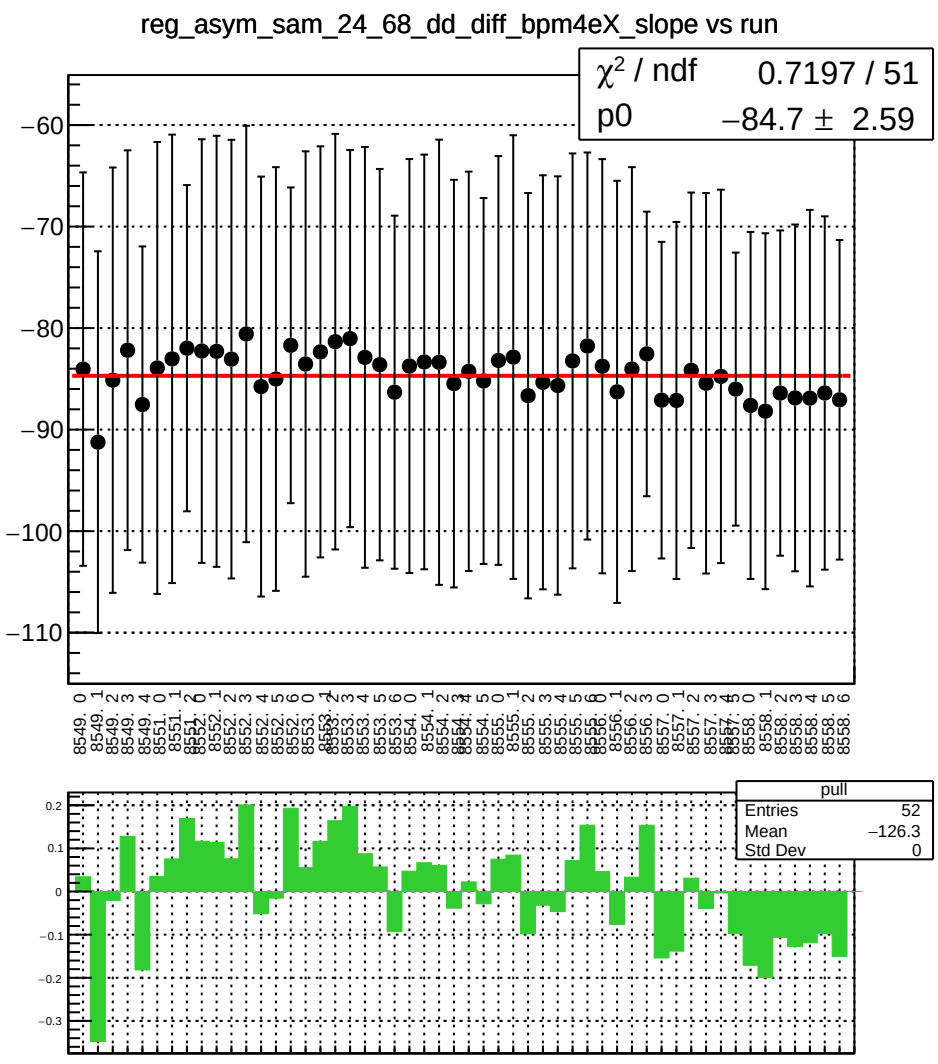

pull1D
Entries 52
Mean 0.003305
Std Dev 0.1747

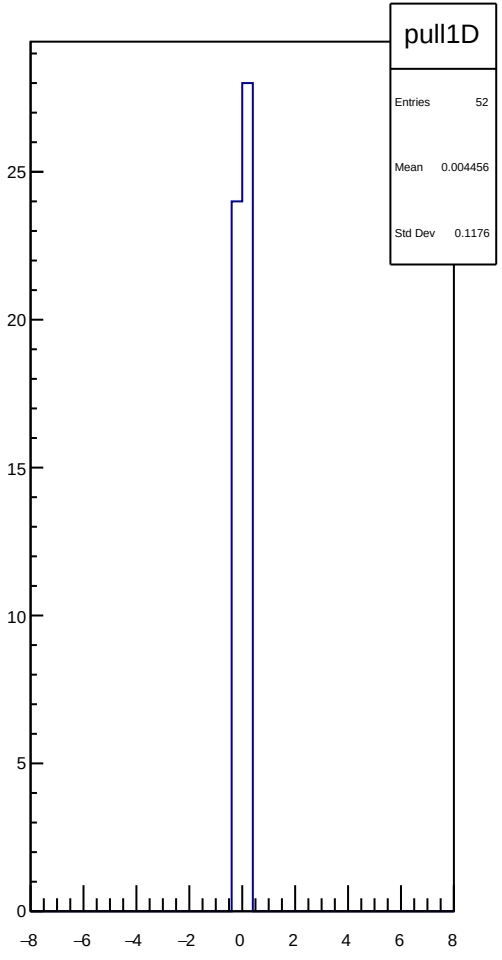

reg_asym_sam_15_37_dd_diff_bpm12X_slope vs run
χ² / ndf 7.084 / 51
p0 −0.8265 ± 0.0929
pull
Entries 52
Mean 110.1
Std Dev 0
pull1D
Entries 52
Mean −0.006502
Std Dev 0.369

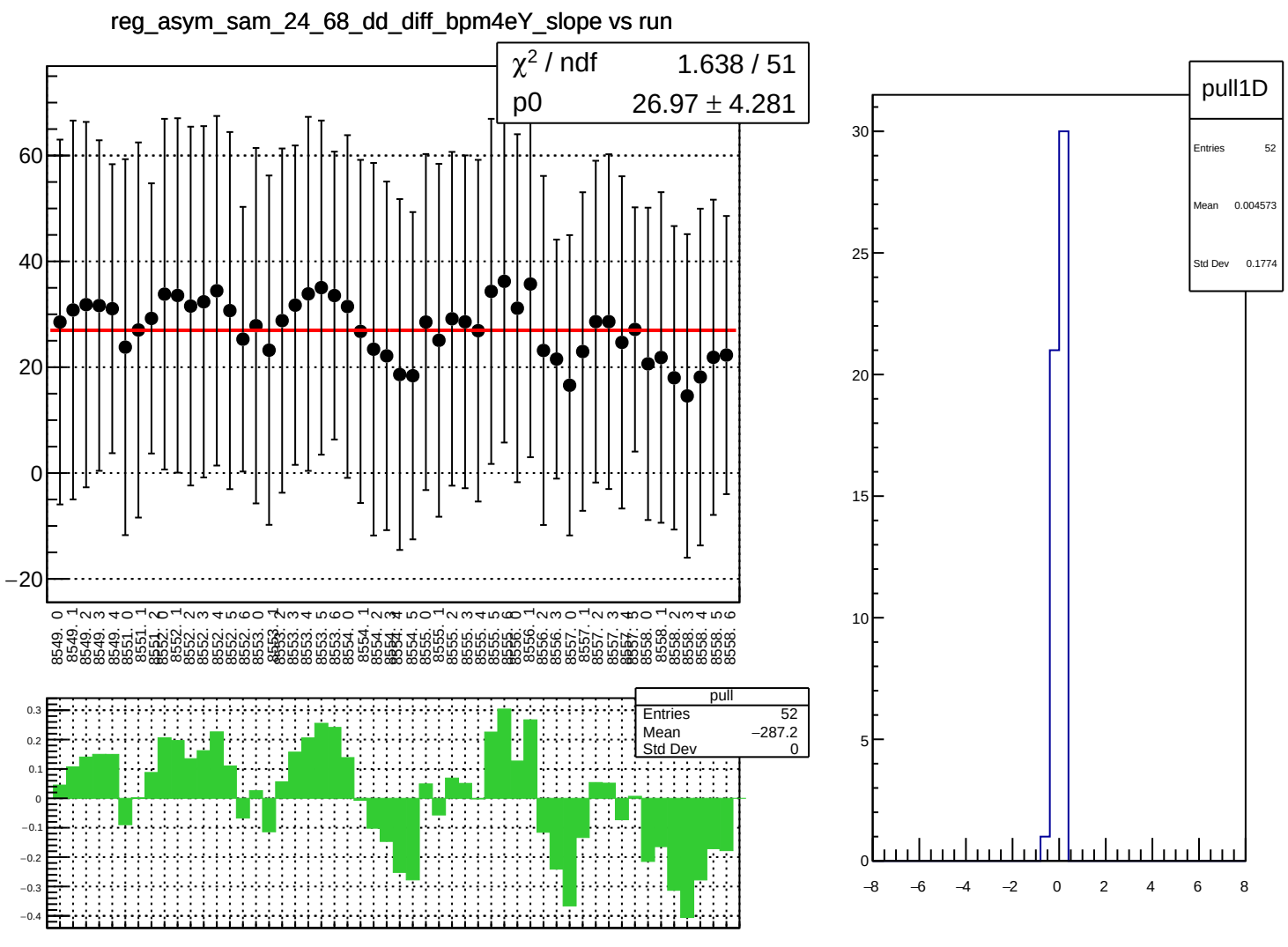

reg_asym_sam_24_68_dd_diff_bpm1X_slope vs run
χ² / ndf 1.195 / 51
p0 −17.88 ± 2.37
pull
Entries 52
Mean −76.63
Std Dev 0

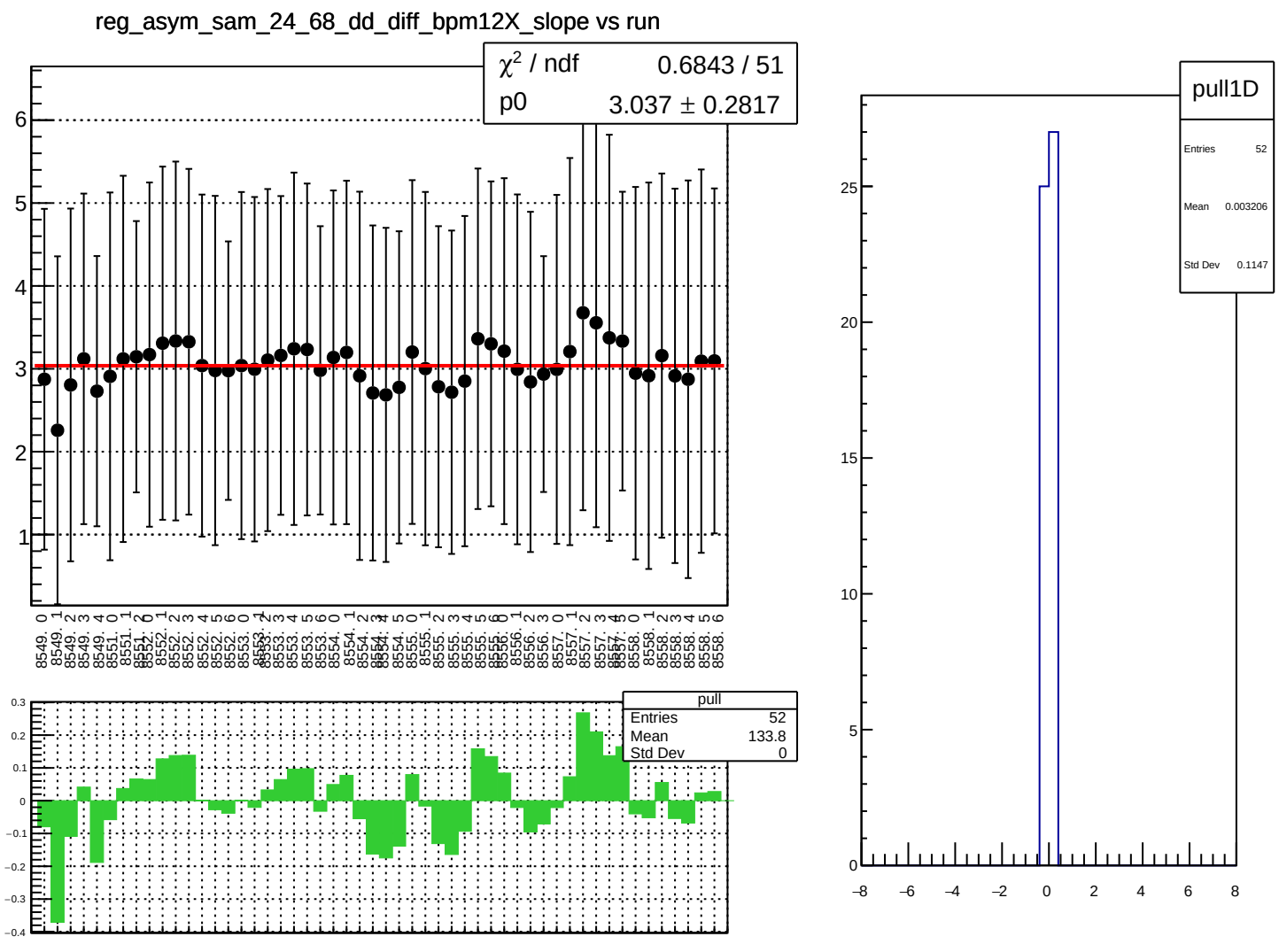

pull1D
Entries 52
Mean −0.01176
Std Dev 0.1511

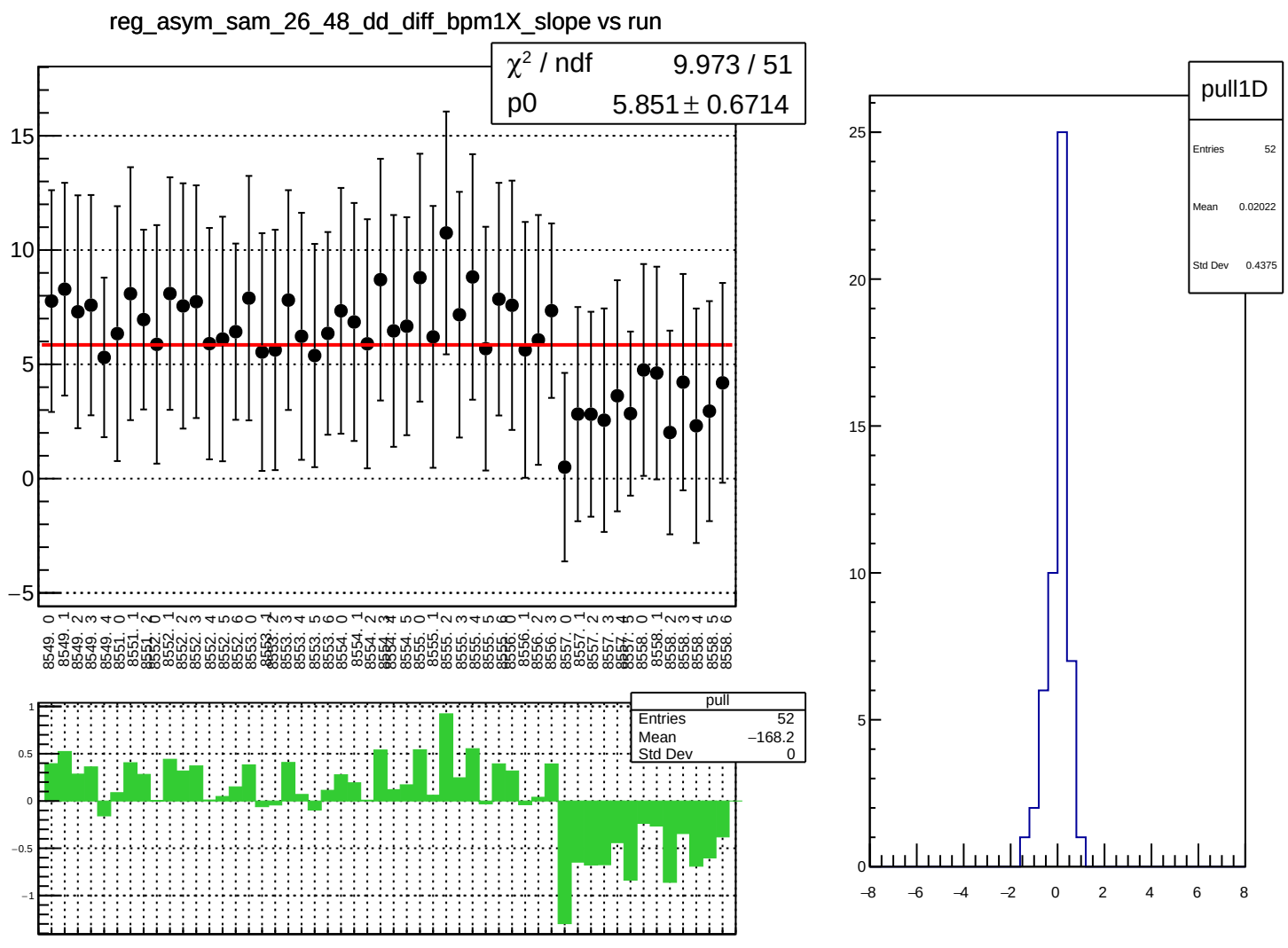

reg_asym_sam_24_68_dd_diff_bpm4aY_slope vs run
χ² / ndf 1.567 / 51
p0 −42.02 ± 4.039
pull
Entries 52
Mean −365.4
Std Dev 0
pull1D
Entries 52
Mean −0.003376
Std Dev 0.1736

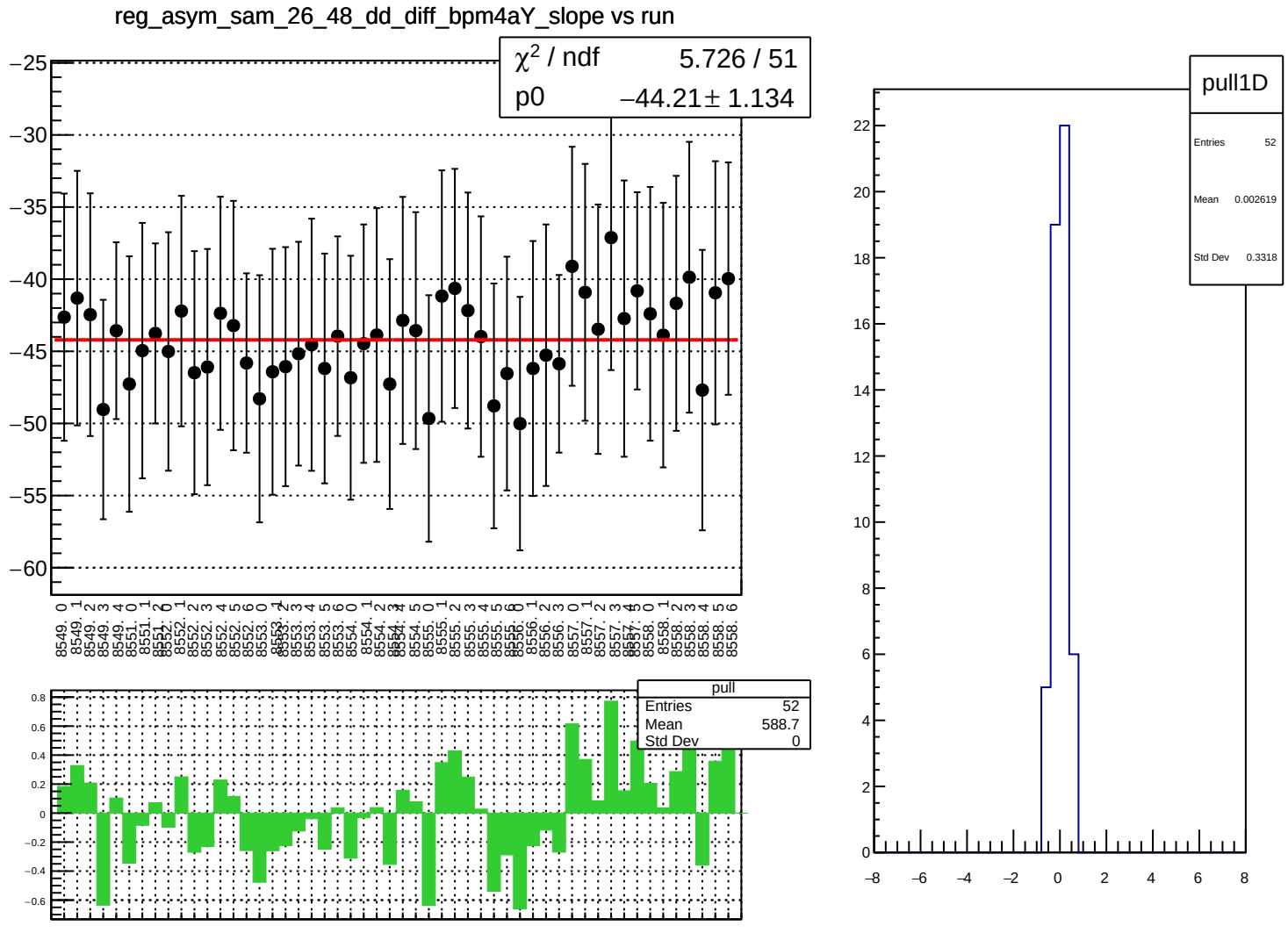

reg_asym_sam_24_68_dd_diff_bpm4eX_slope vs run
χ² / ndf 0.7197 / 51
p0 −84.7 ± 2.59
pull
Entries 52
Mean −126.3
Std Dev 0

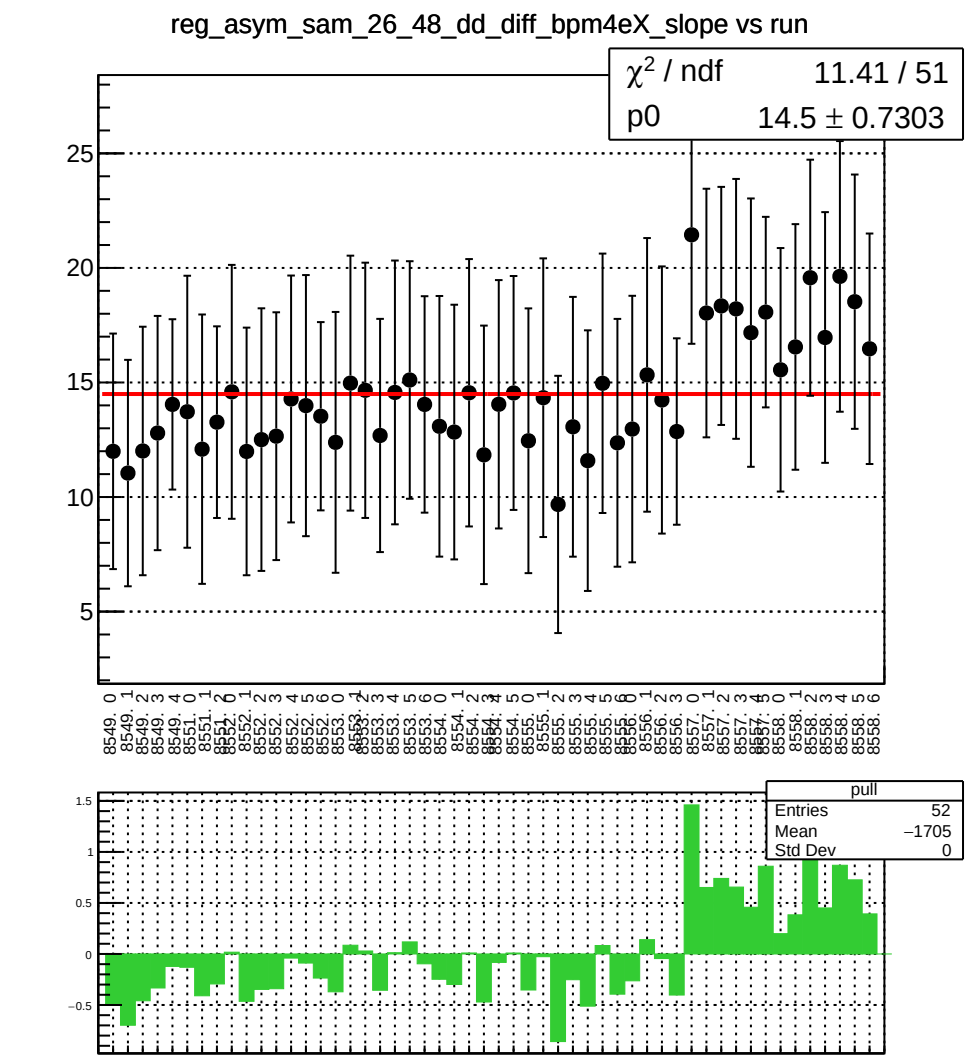

pull1D
Entries 52
Mean 0.004456
Std Dev 0.1176

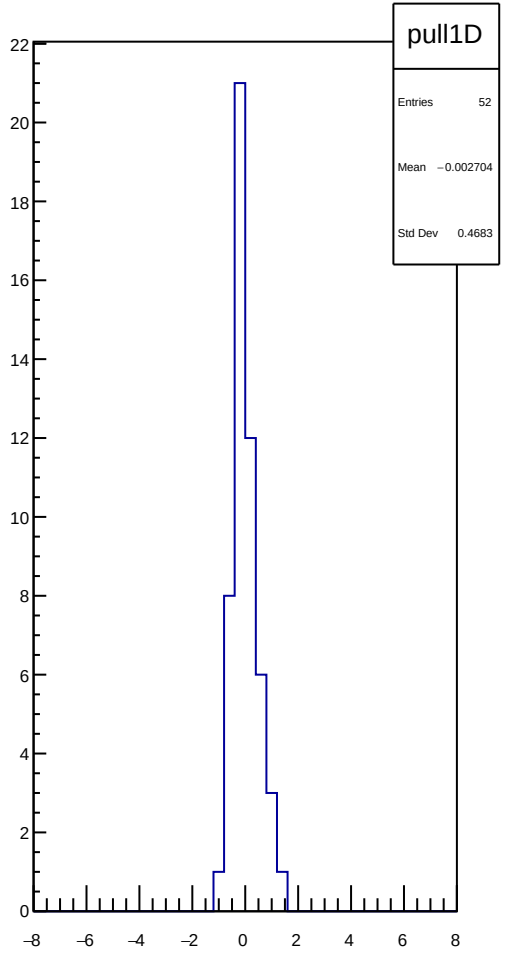

reg_asym_sam_24_68_dd_diff_bpm4eY_slope vs run
χ² / ndf 1.638 / 51
p0 26.97 ± 4.281
pull
Entries 52
Mean −287.2
Std Dev 0
pull1D
Entries 52
Mean 0.004573
Std Dev 0.1774

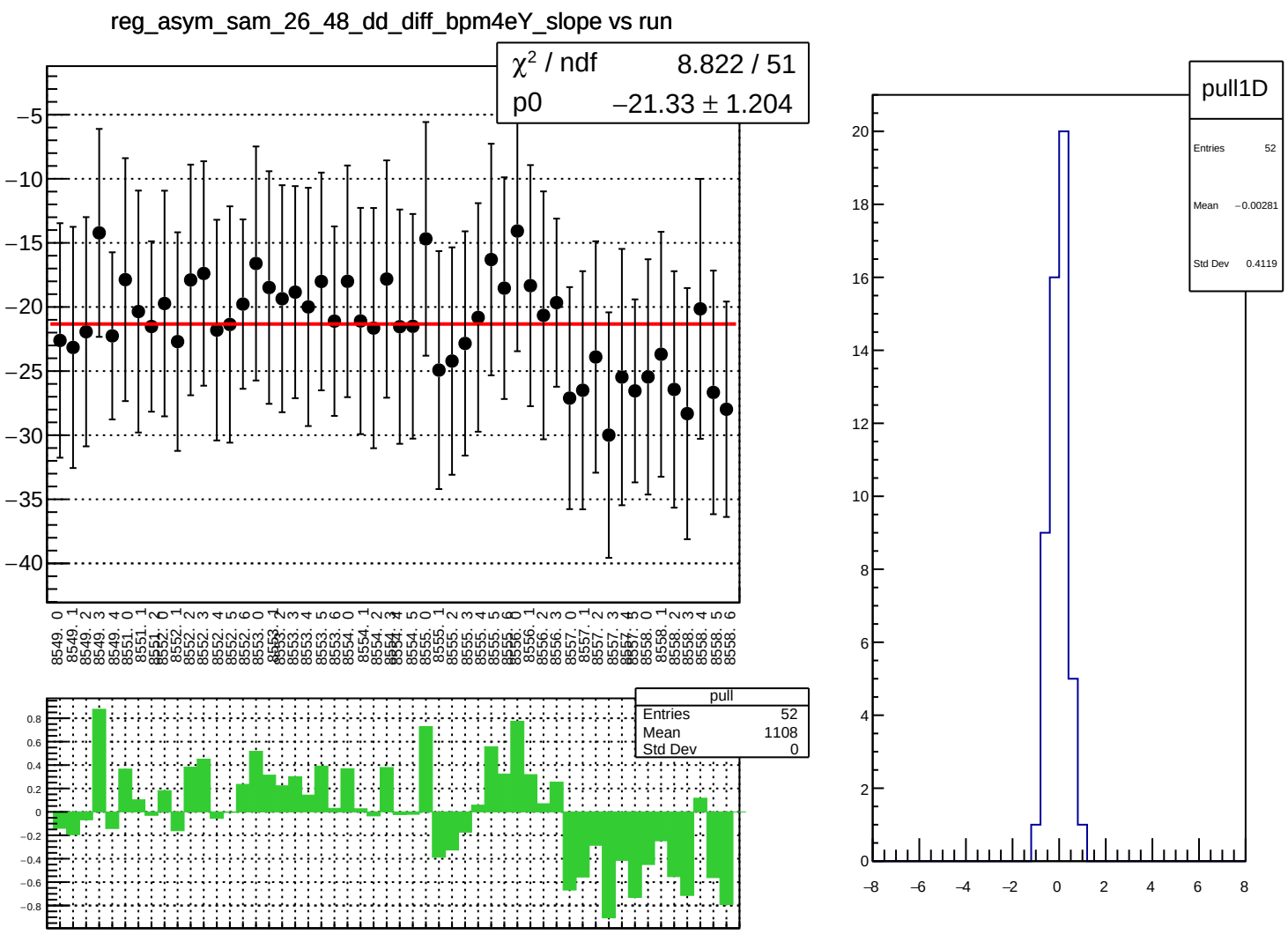

reg_asym_sam_24_68_dd_diff_bpm12X_slope vs run
χ² / ndf 0.6843 / 51
p0 3.037 ± 0.2817
pull
Entries 52
Mean 133.8
Std Dev 0
pull1D
Entries 52
Mean 0.003206
Std Dev 0.1147

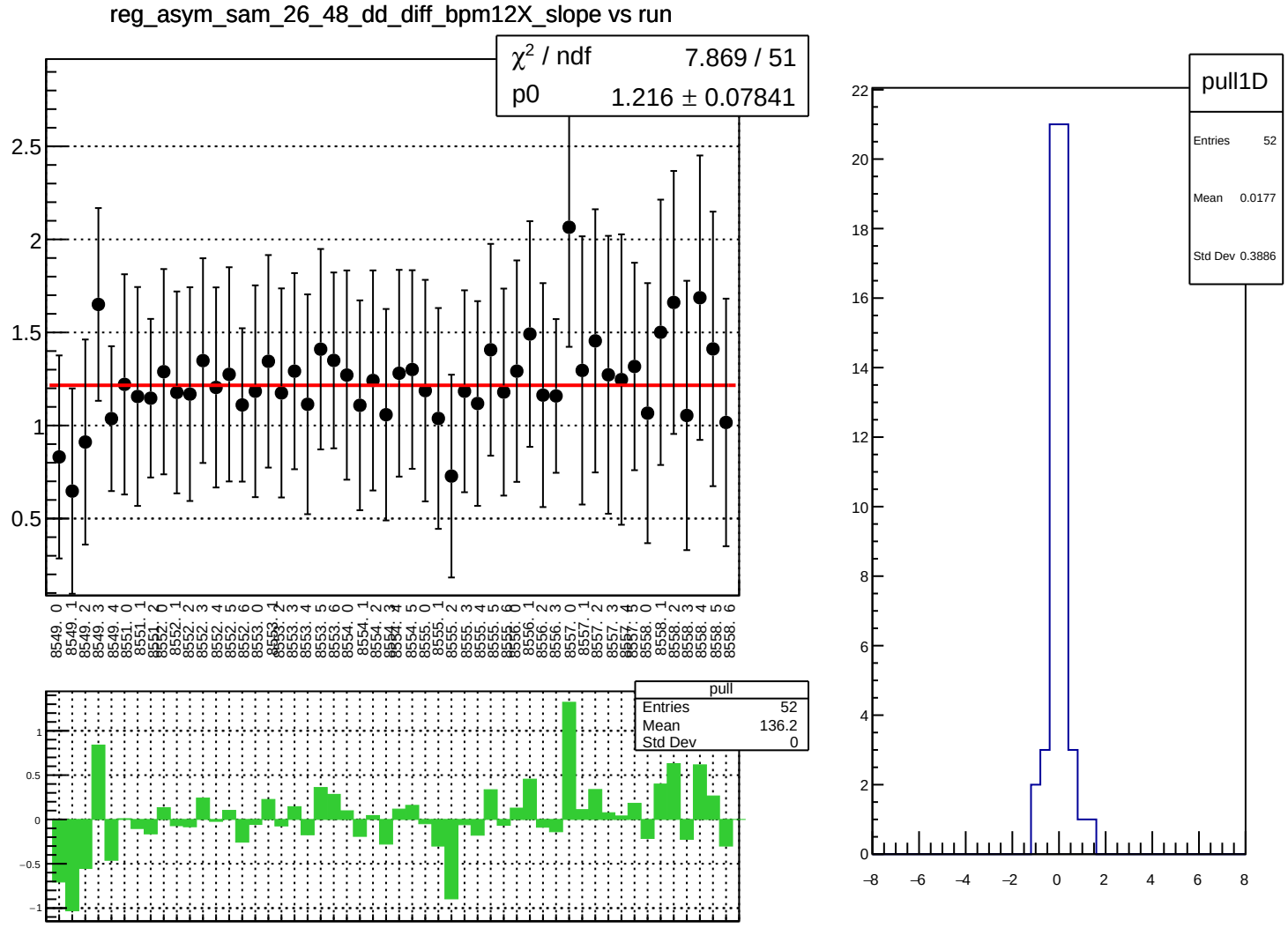

reg_asym_sam_26_48_dd_diff_bpm1X_slope vs run
χ² / ndf 9.973 / 51
p0 5.851 ± 0.6714
pull
Entries 52
Mean −168.2
Std Dev 0
pull1D
Entries 52
Mean 0.02022
Std Dev 0.4375

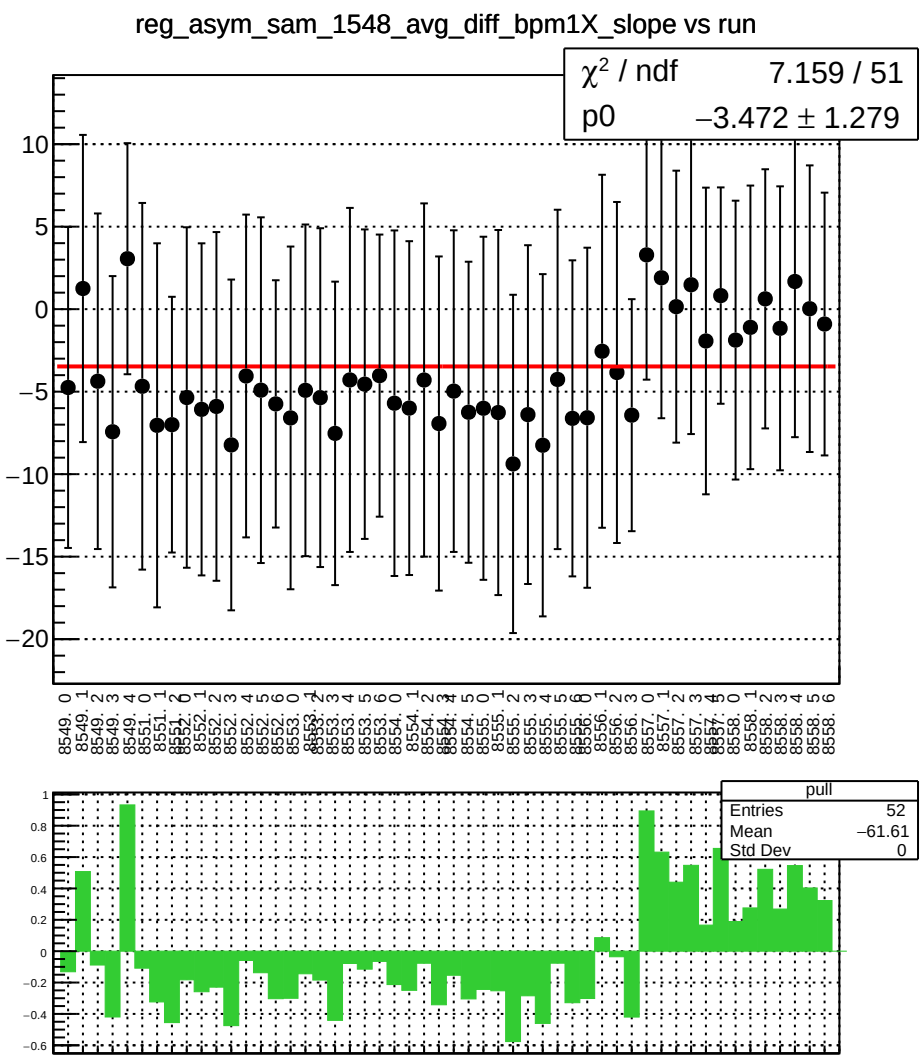

reg_asym_sam_26_48_dd_diff_bpm4aY_slope vs run
χ² / ndf 5.726 / 51
p0 −44.21 ± 1.134
pull
Entries 52
Mean 588.7
Std Dev 0
pull1D
Entries 52
Mean 0.002619
Std Dev 0.3318

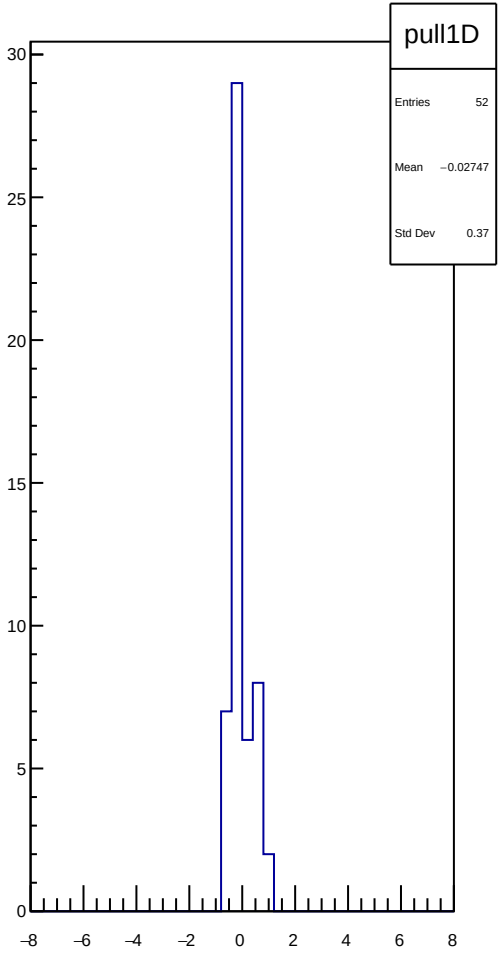

reg_asym_sam_26_48_dd_diff_bpm4eX_slope vs run
χ² / ndf 11.41 / 51
p0 14.5 ± 0.7303
pull
Entries 52
Mean −1705
Std Dev 0

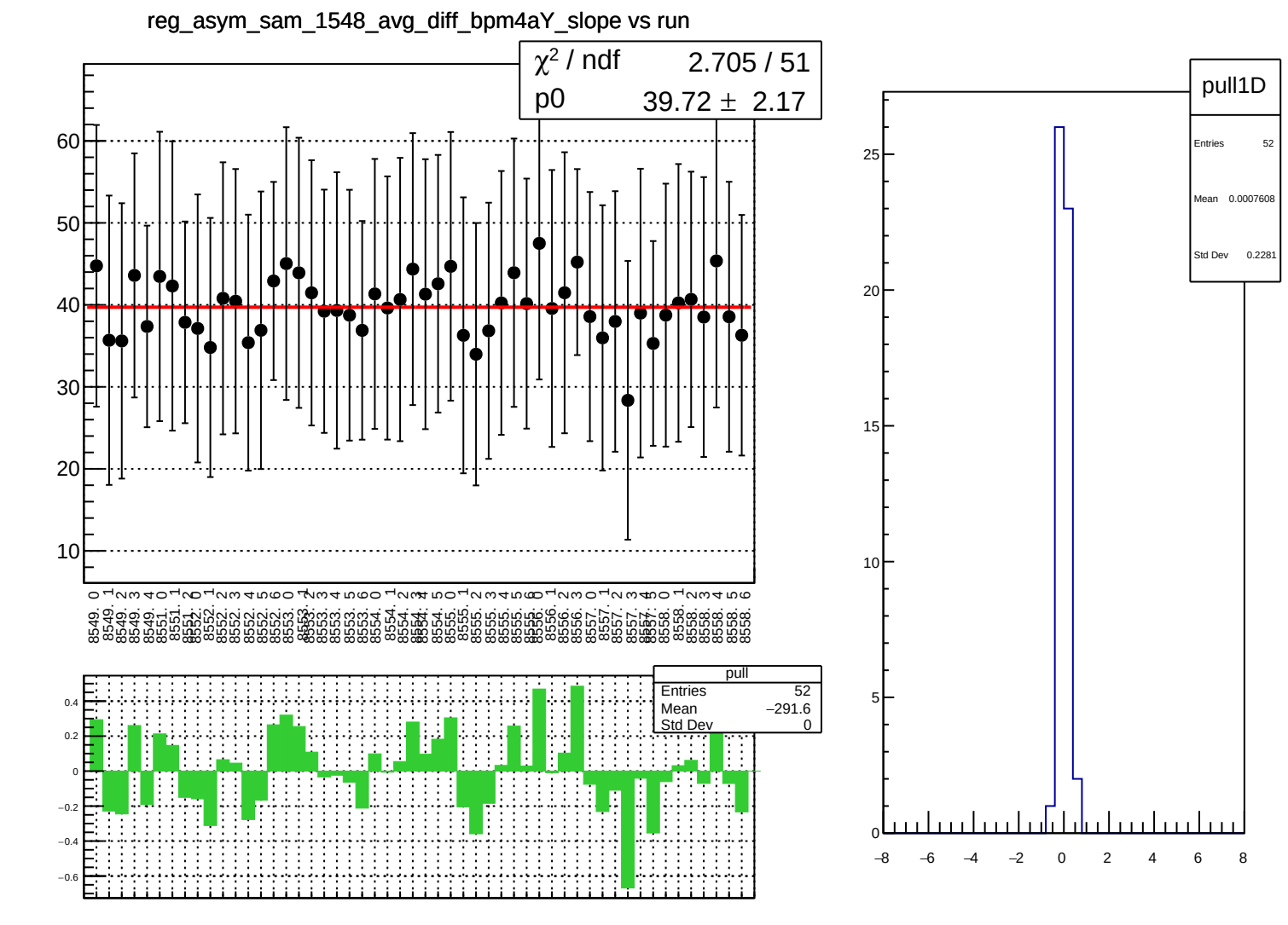

pull1D
Entries 52
Mean −0.002704
Std Dev 0.4683

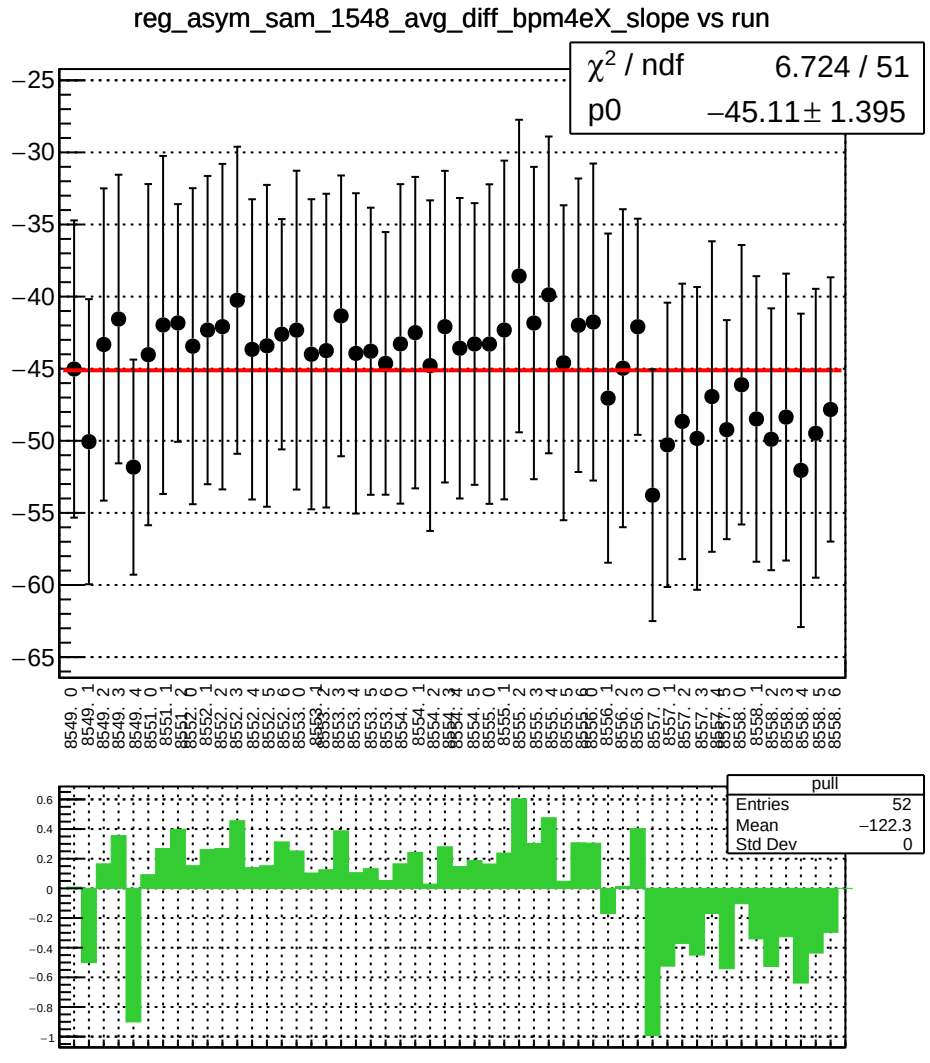

reg_asym_sam_26_48_dd_diff_bpm4eY_slope vs run
χ² / ndf 8.822 / 51
p0 −21.33 ± 1.204
pull
Entries 52
Mean 1108
Std Dev 0
pull1D
Entries 52
Mean −0.00281
Std Dev 0.4119

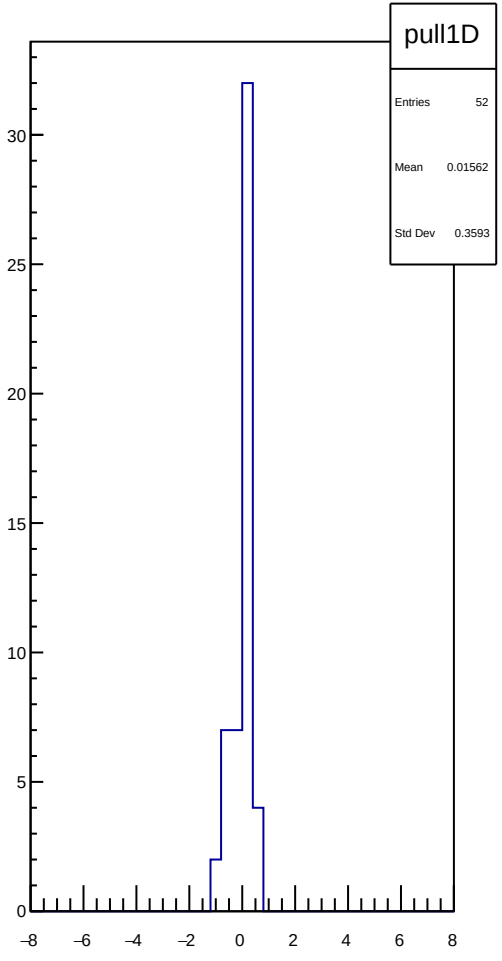

reg_asym_sam_26_48_dd_diff_bpm12X_slope vs run
χ² / ndf 7.869 / 51
p0 1.216 ± 0.07841
pull
Entries 52
Mean 136.2
Std Dev 0
pull1D
Entries 52
Mean 0.0177
Std Dev 0.3886

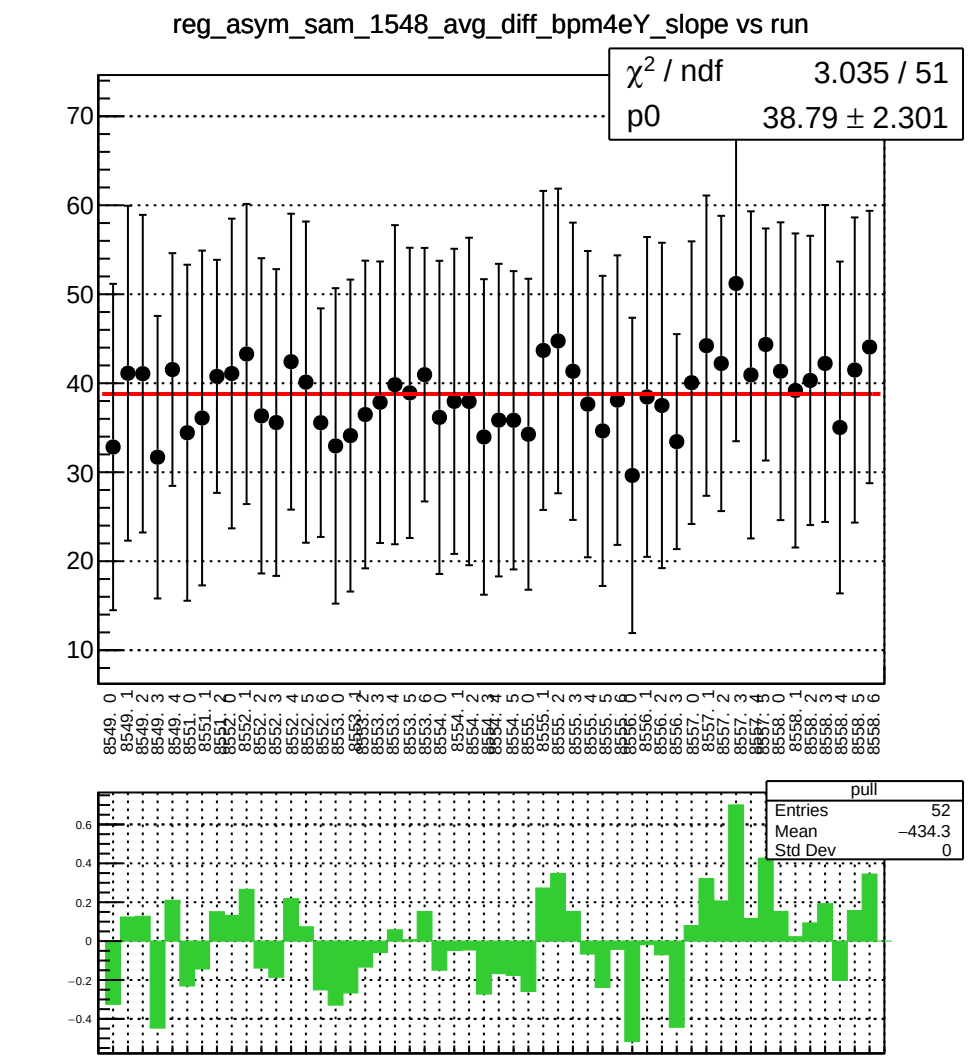

reg_asym_sam_1548_avg_diff_bpm1X_slope vs run
χ² / ndf 7.159 / 51
p0 −3.472 ± 1.279
pull
Entries 52
Mean −61.61
Std Dev 0

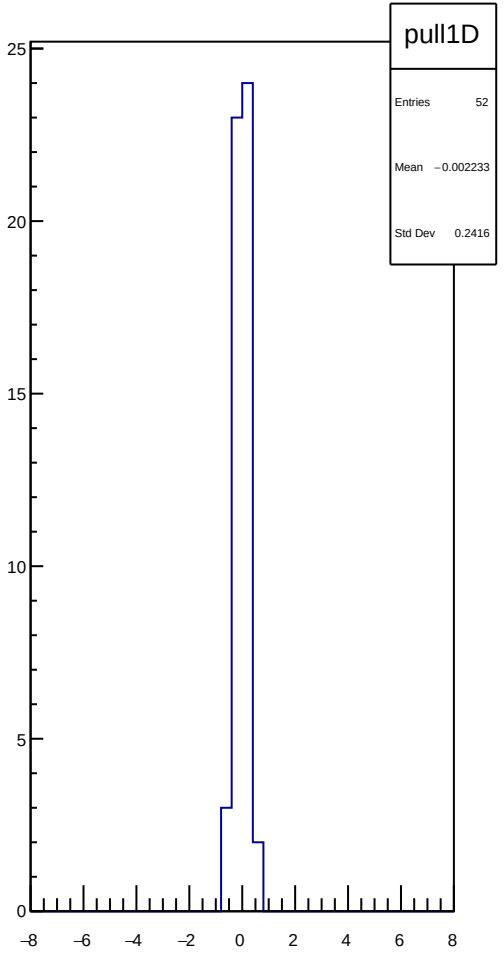

pull1D
Entries 52
Mean −0.02747
Std Dev 0.37

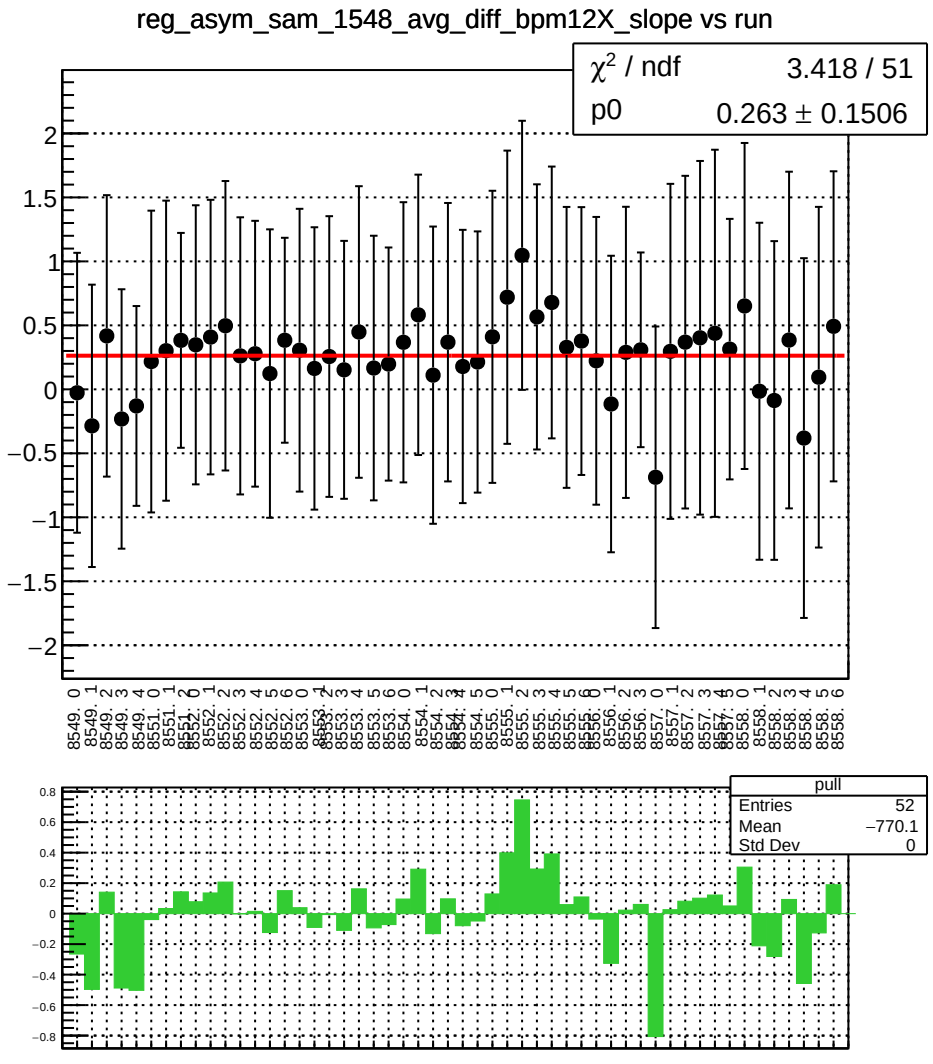

reg_asym_sam_1548_avg_diff_bpm4aY_slope vs run
χ² / ndf 2.705 / 51
p0 39.72 ± 2.17
pull
Entries 52
Mean −291.6
Std Dev 0
pull1D
Entries 52
Mean 0.0007608
Std Dev 0.2281

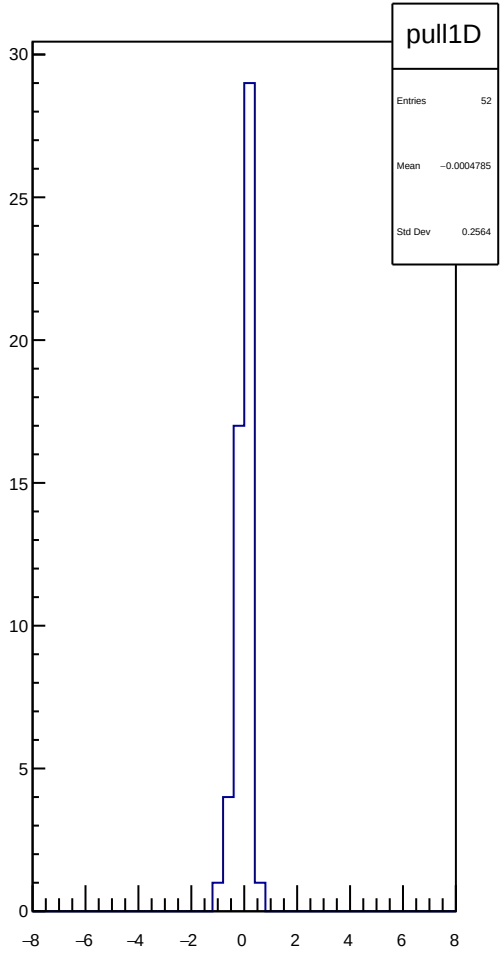

reg_asym_sam_1548_avg_diff_bpm4eX_slope vs run
χ² / ndf 6.724 / 51
p0 −45.11 ± 1.395
pull
Entries 52
Mean −122.3
Std Dev 0

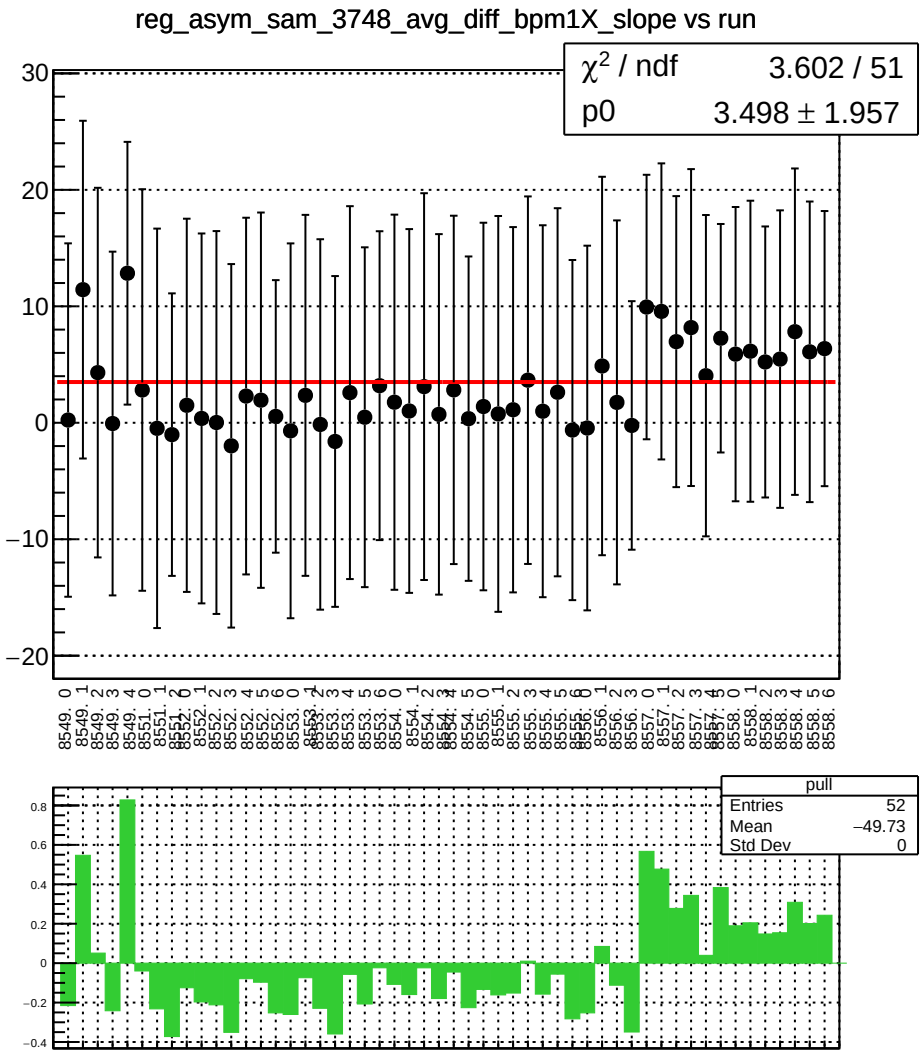

pull1D
Entries 52
Mean 0.01562
Std Dev 0.3593

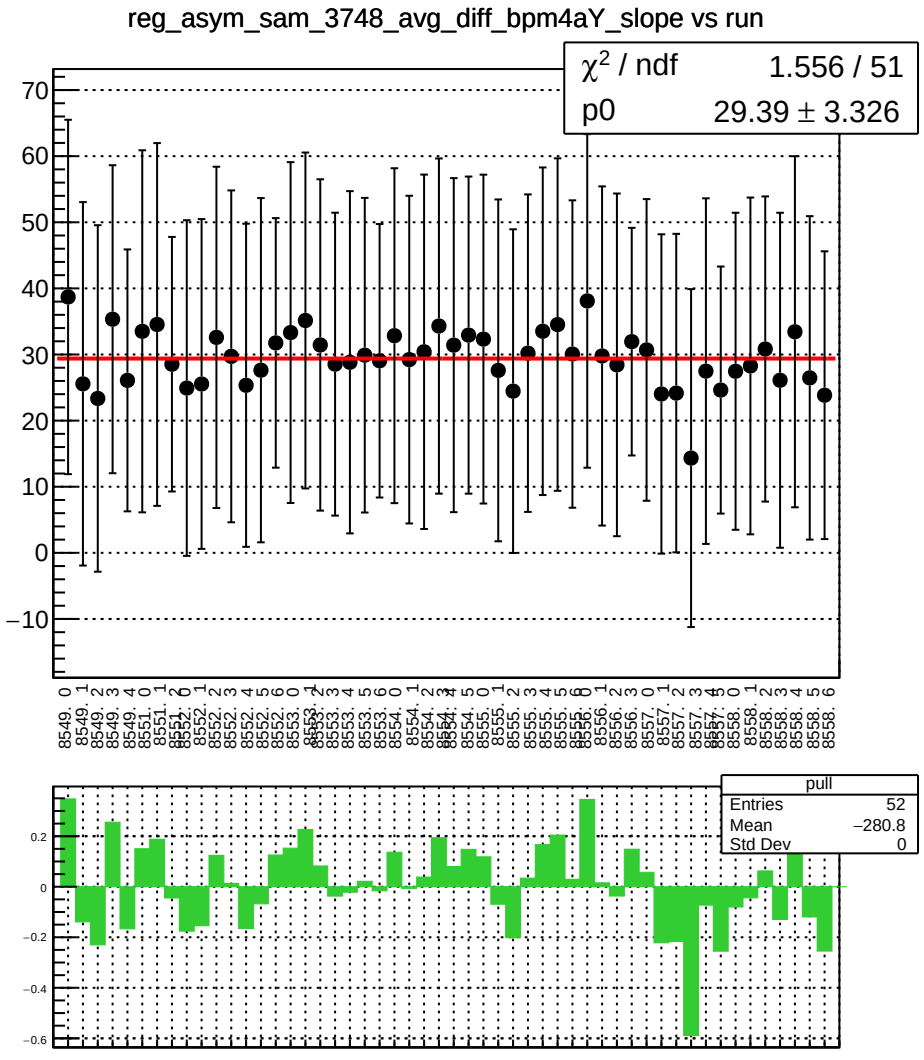

reg_asym_sam_1548_avg_diff_bpm4eY_slope vs run
χ² / ndf 3.035 / 51
p0 38.79 ± 2.301
pull
Entries 52
Mean −434.3
Std Dev 0

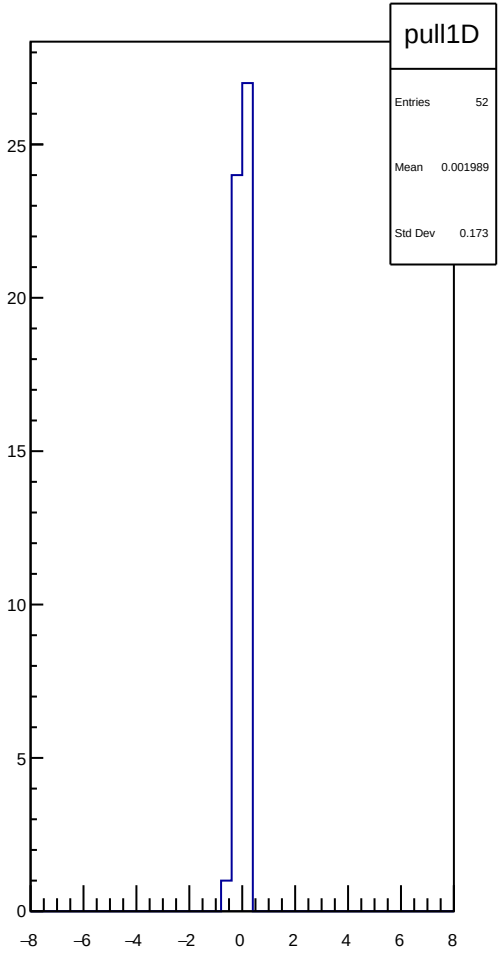

pull1D
Entries 52
Mean −0.002233
Std Dev 0.2416

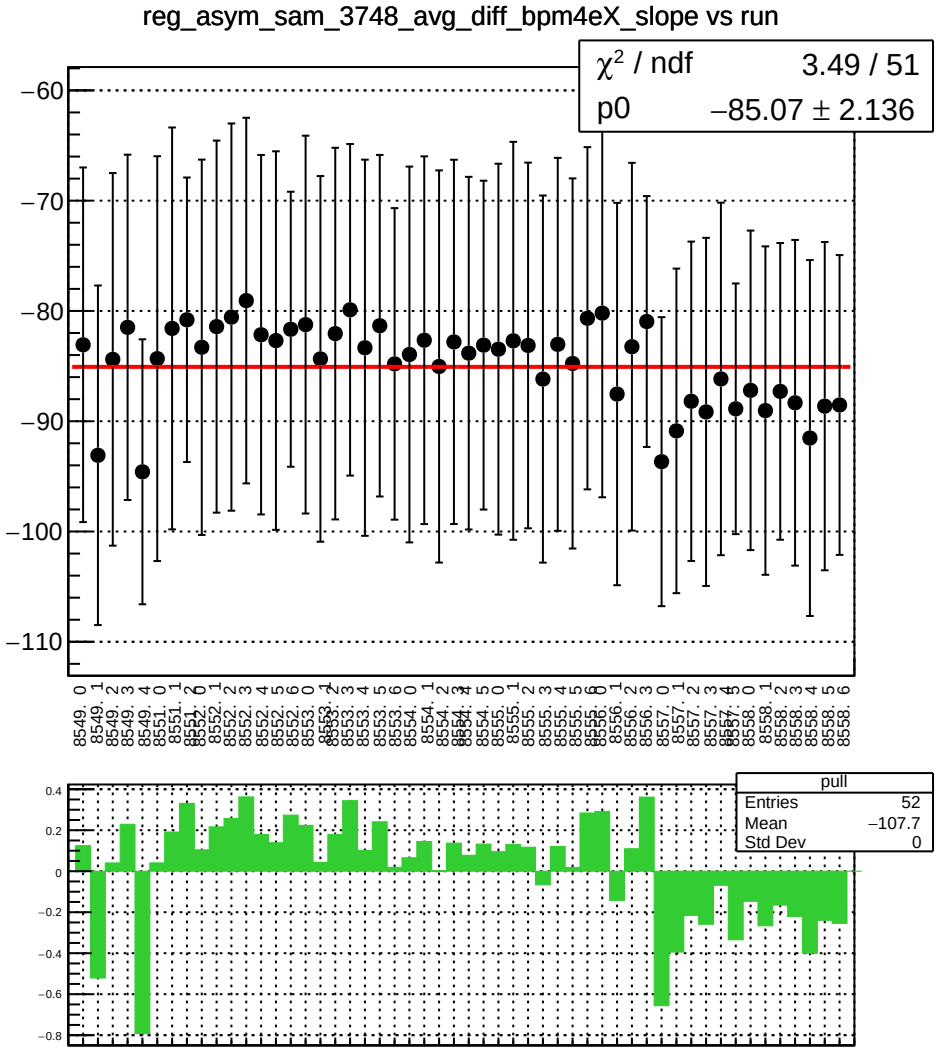

reg_asym_sam_1548_avg_diff_bpm12X_slope vs run
χ² / ndf 3.418 / 51
p0 0.263 ± 0.1506
pull
Entries 52
Mean −770.1
Std Dev 0

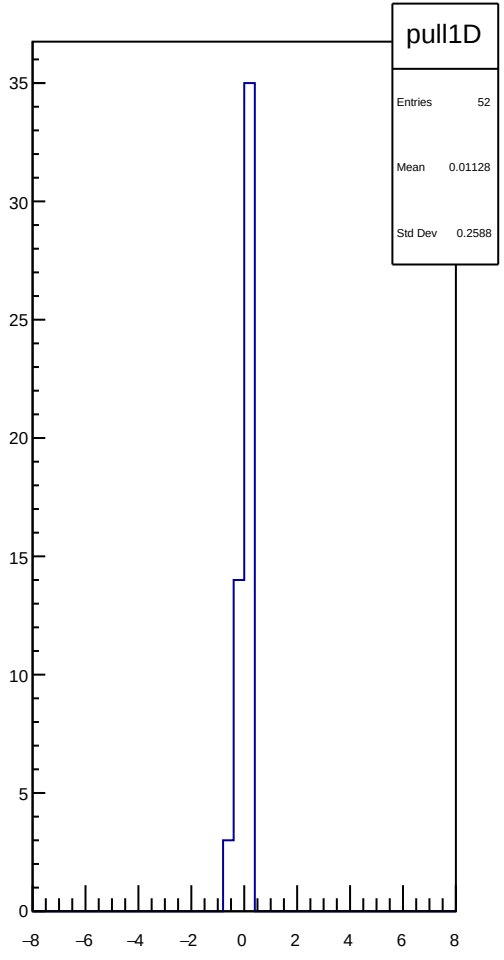

pull1D
Entries 52
Mean −0.0004785
Std Dev 0.2564

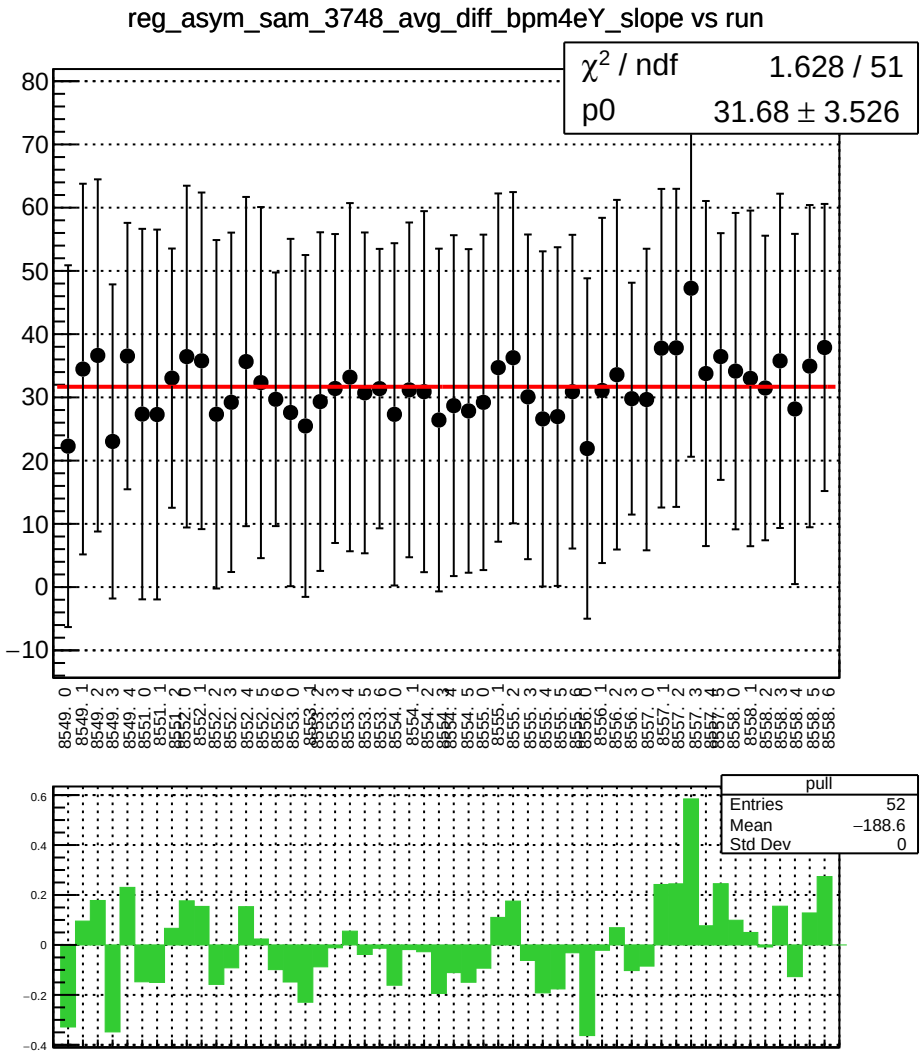

reg_asym_sam_3748_avg_diff_bpm1X_slope vs run
χ² / ndf 3.602 / 51
p0 3.498 ± 1.957
pull
Entries 52
Mean −49.73
Std Dev 0
pull1D
Entries 52
Mean −0.01845
Std Dev 0.2626

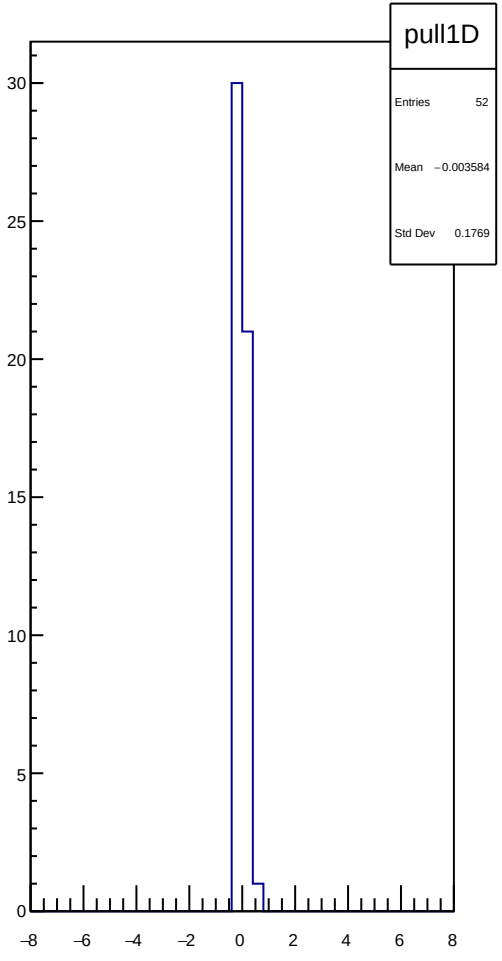

reg_asym_sam_3748_avg_diff_bpm4aY_slope vs run
χ² / ndf 1.556 / 51
p0 29.39 ± 3.326
pull
Entries 52
Mean −280.8
Std Dev 0

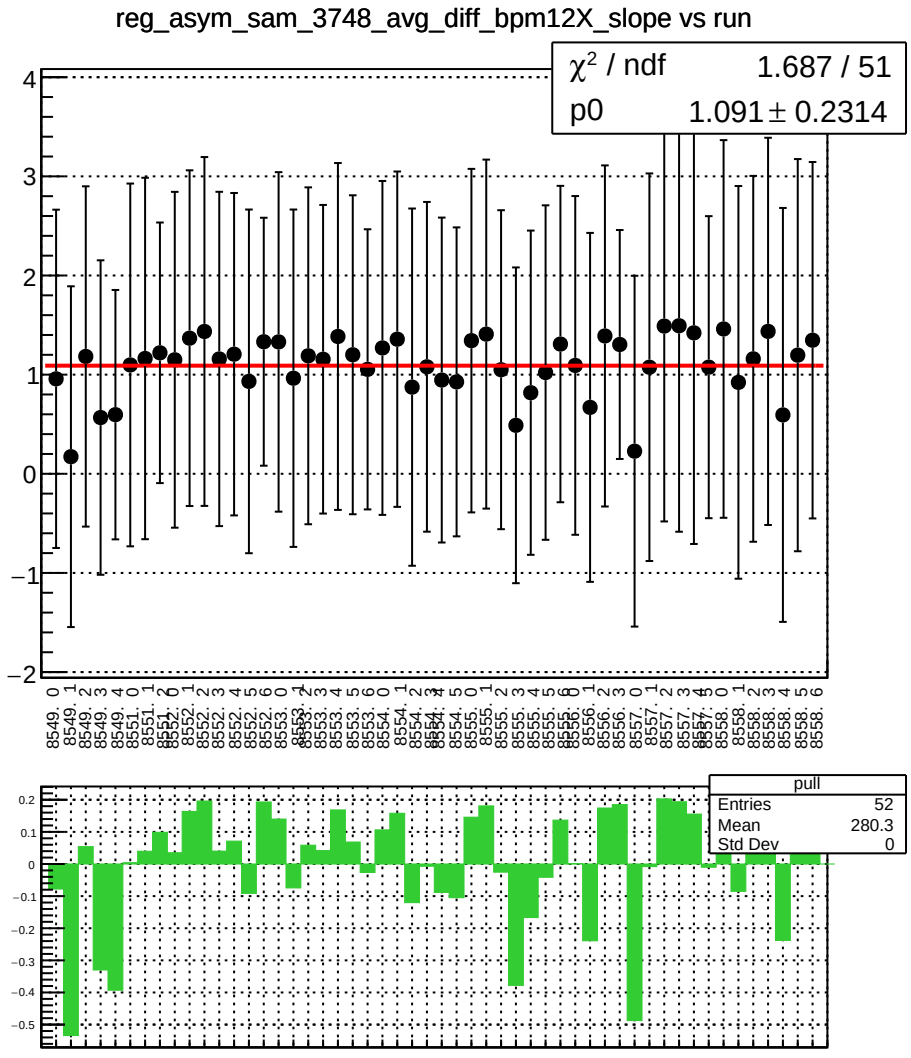

pull1D
Entries 52
Mean 0.001989
Std Dev 0.173

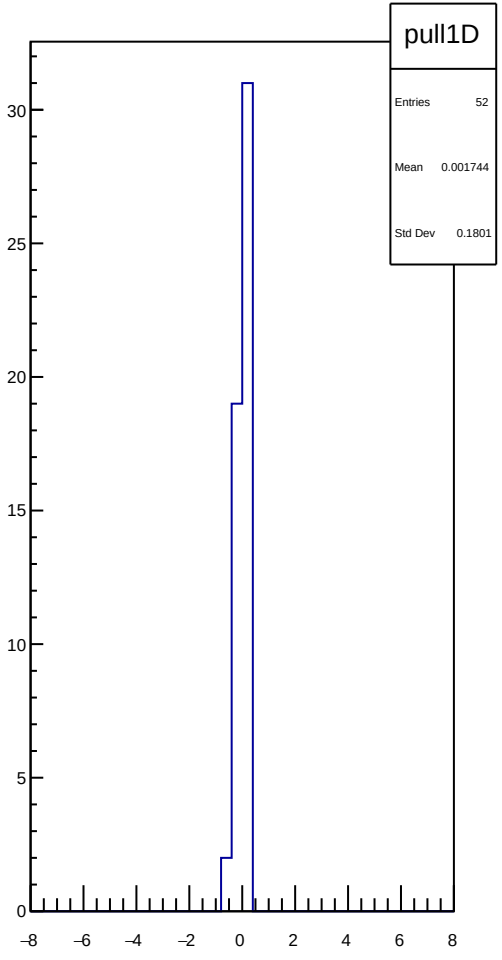

reg_asym_sam_3748_avg_diff_bpm4eX_slope vs run
χ² / ndf 3.49 / 51
p0 −85.07 ± 2.136
pull
Entries 52
Mean −107.7
Std Dev 0

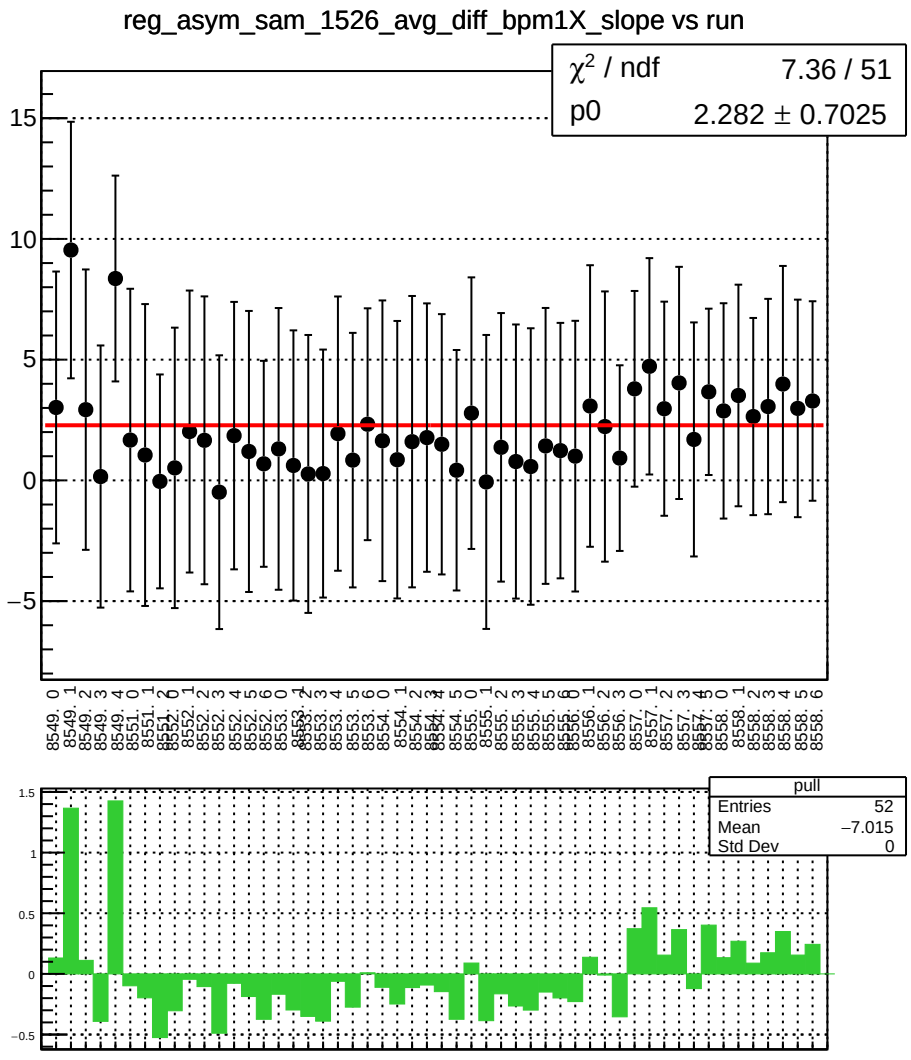

pull1D
Entries 52
Mean 0.01128
Std Dev 0.2588

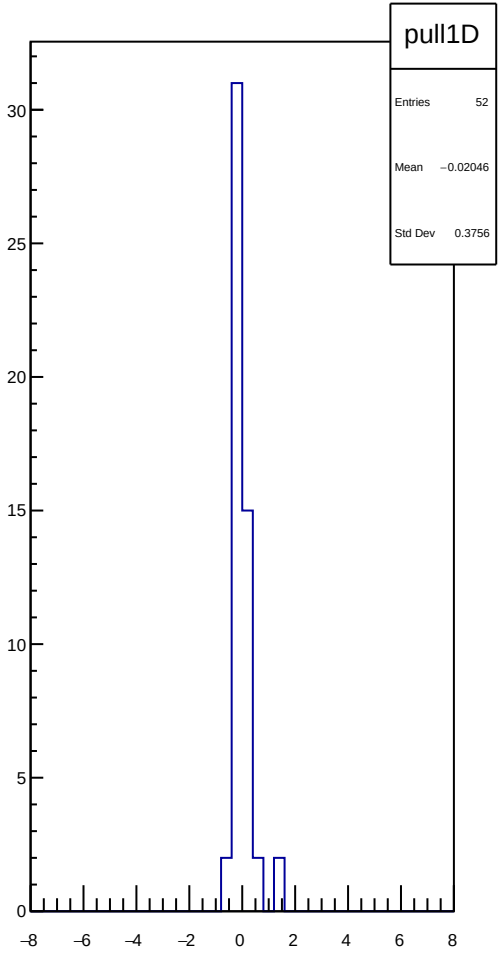

reg_asym_sam_3748_avg_diff_bpm4eY_slope vs run
χ² / ndf 1.628 / 51
p0 31.68 ± 3.526
pull
Entries 52
Mean −188.6
Std Dev 0

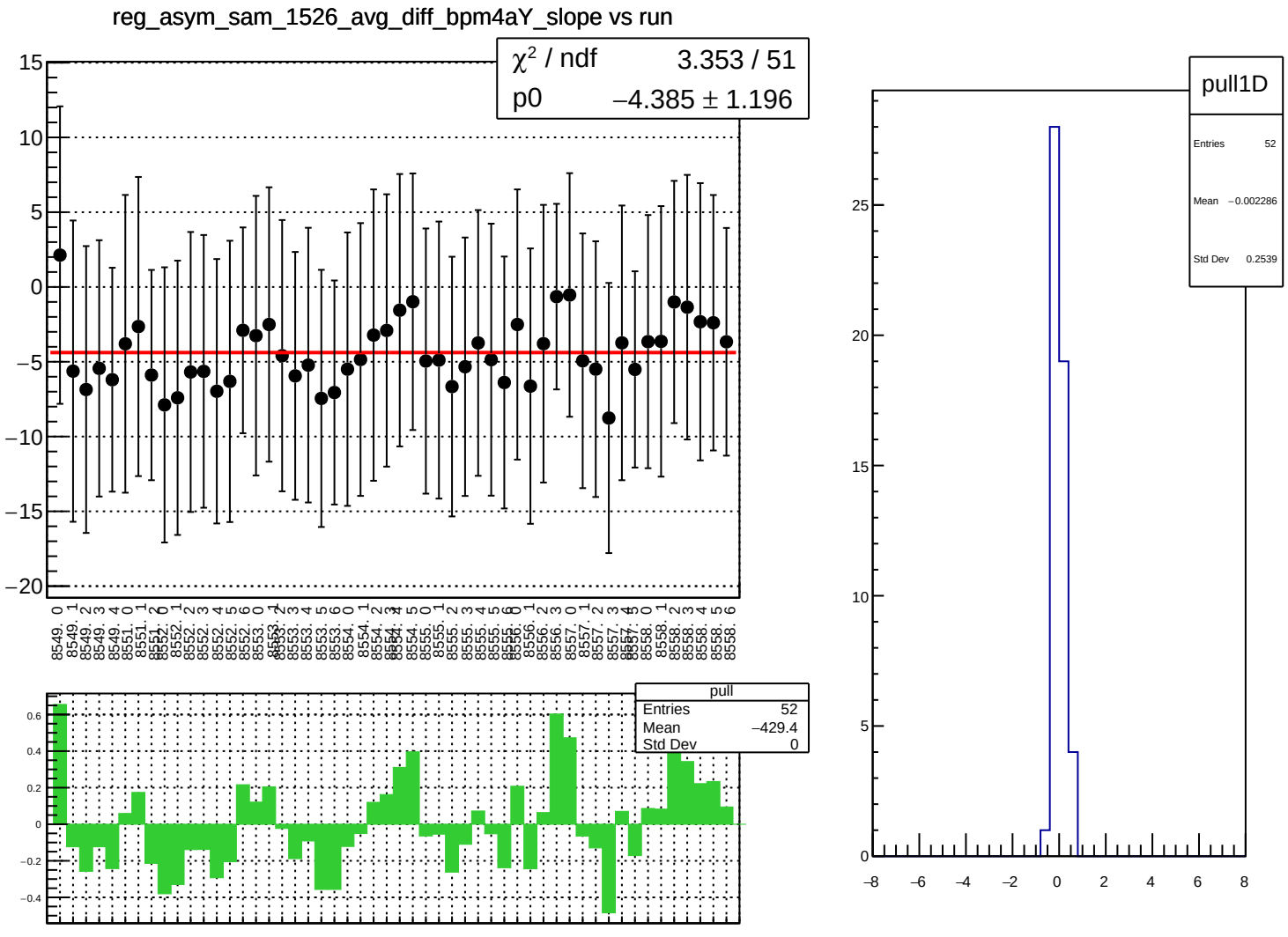

pull1D
Entries 52
Mean −0.003584
Std Dev 0.1769

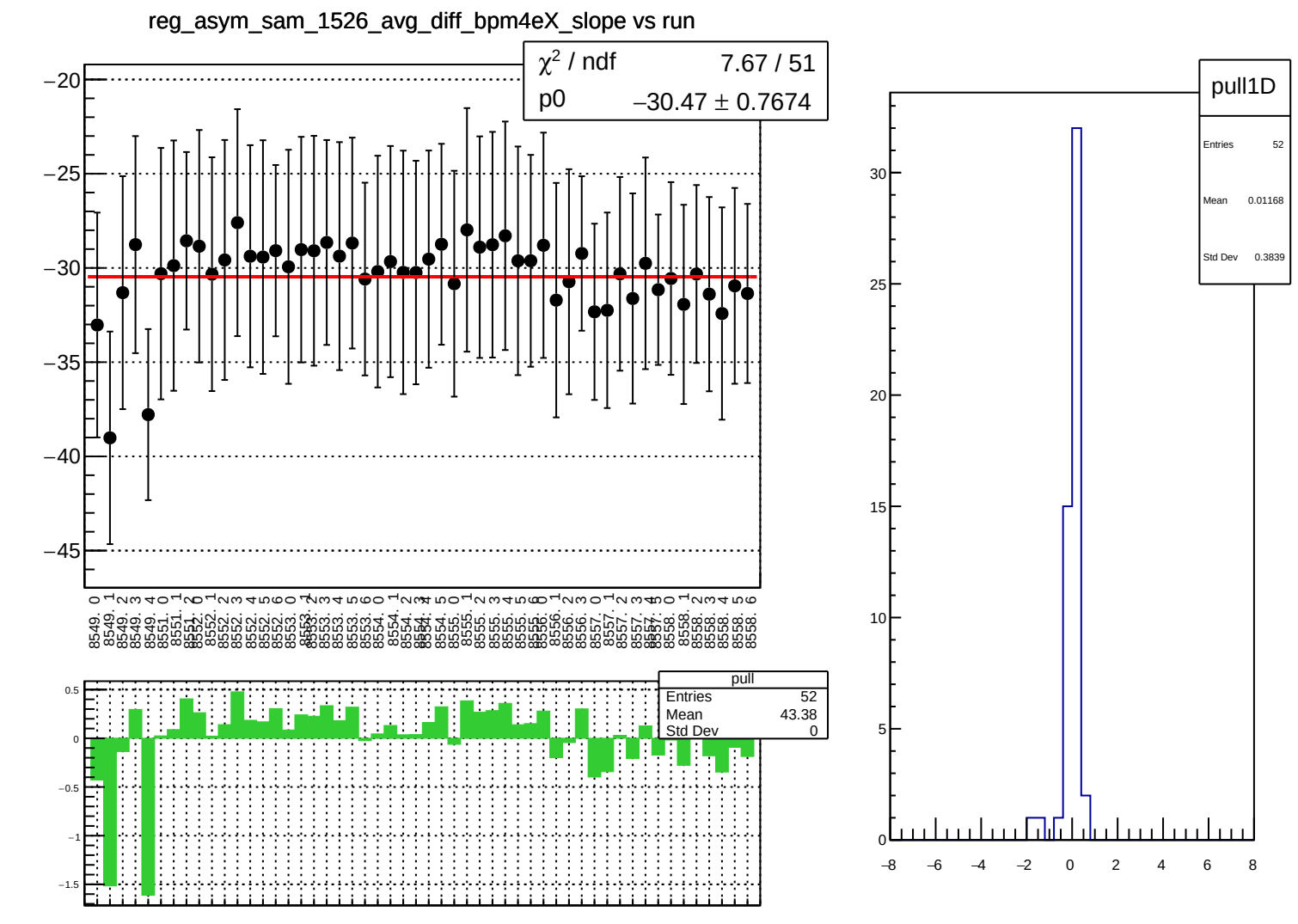

reg_asym_sam_3748_avg_diff_bpm12X_slope vs run
χ² / ndf 1.687 / 51
p0 1.091 ± 0.2314
pull
Entries 52
Mean 280.3
Std Dev 0

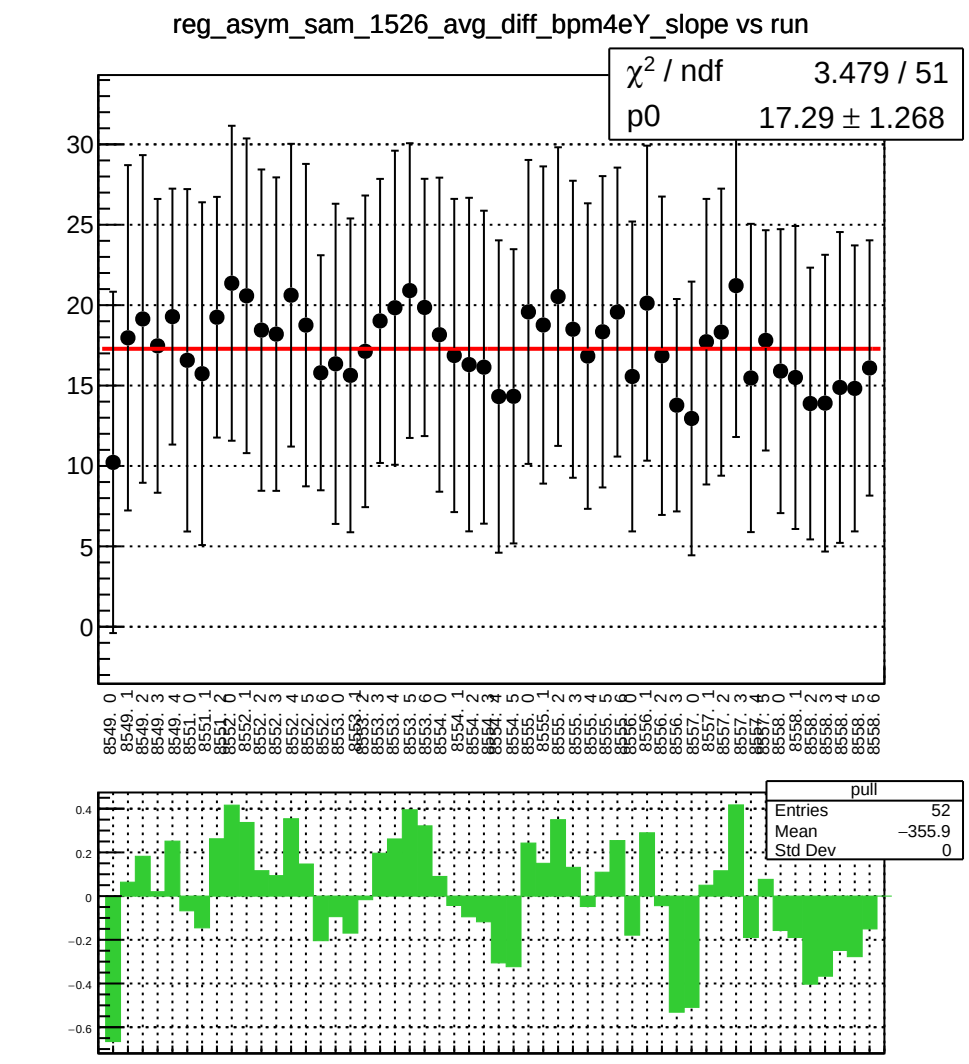

pull1D
Entries 52
Mean 0.001744
Std Dev 0.1801

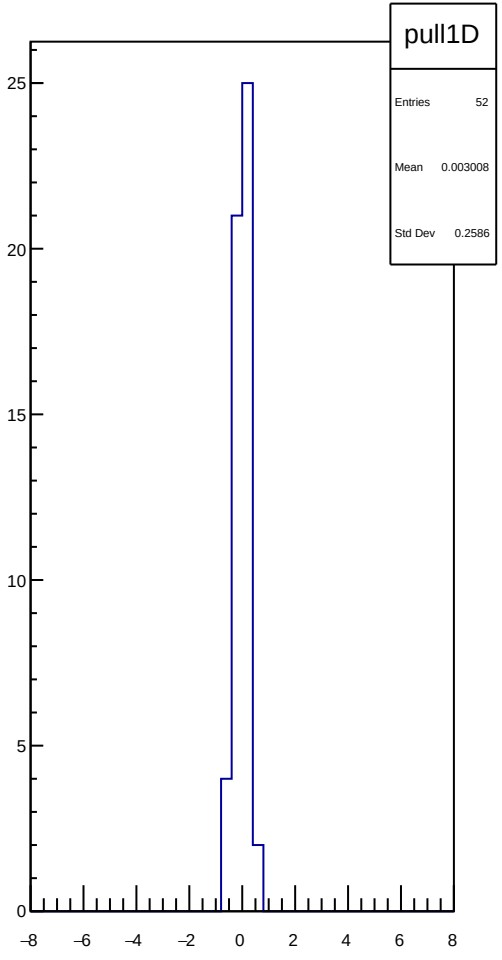

reg_asym_sam_1526_avg_diff_bpm1X_slope vs run
χ² / ndf 7.36 / 51
p0 2.282 ± 0.7025
pull
Entries 52
Mean −7.015
Std Dev 0

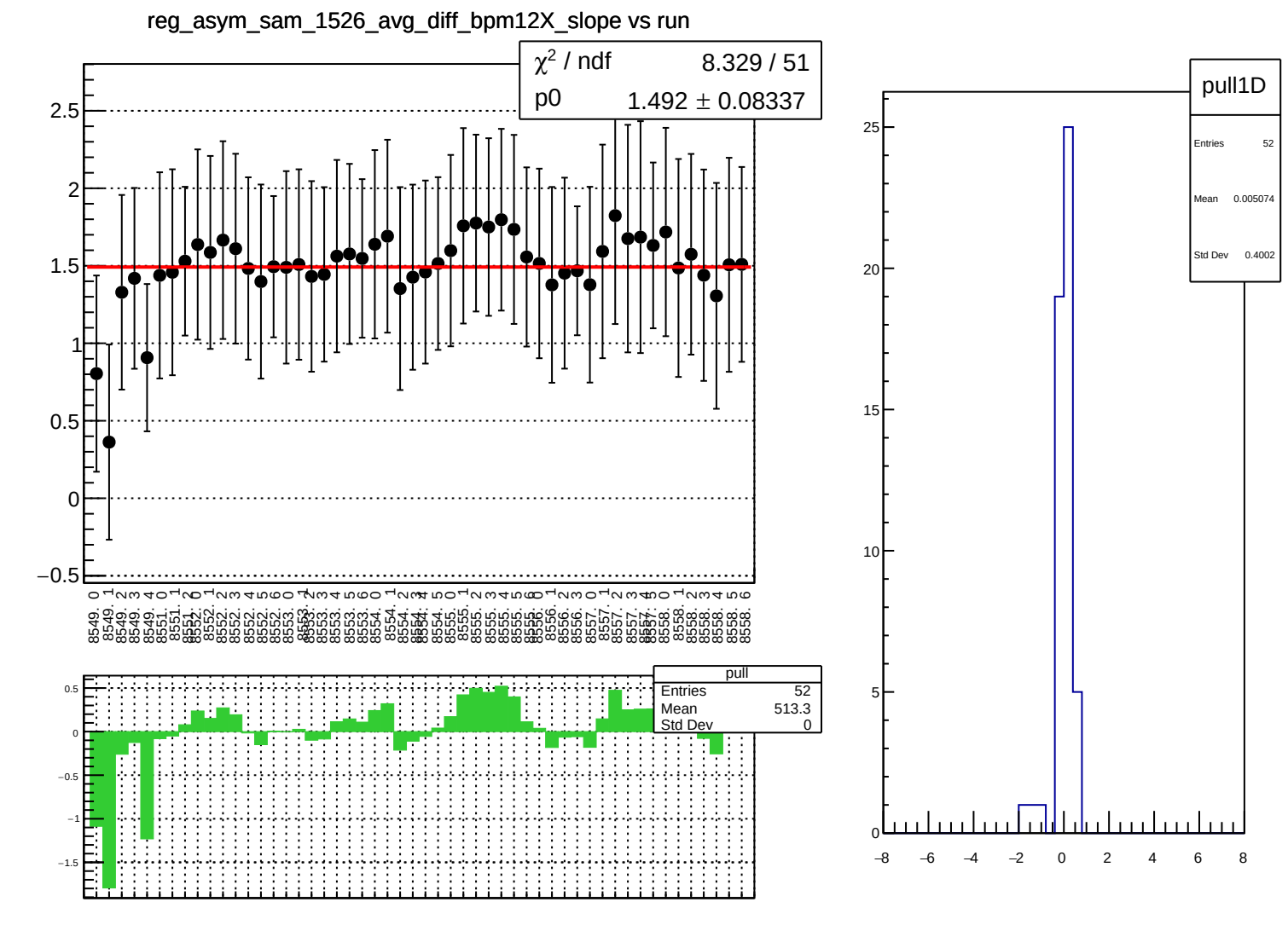

pull1D
Entries 52
Mean −0.02046
Std Dev 0.3756

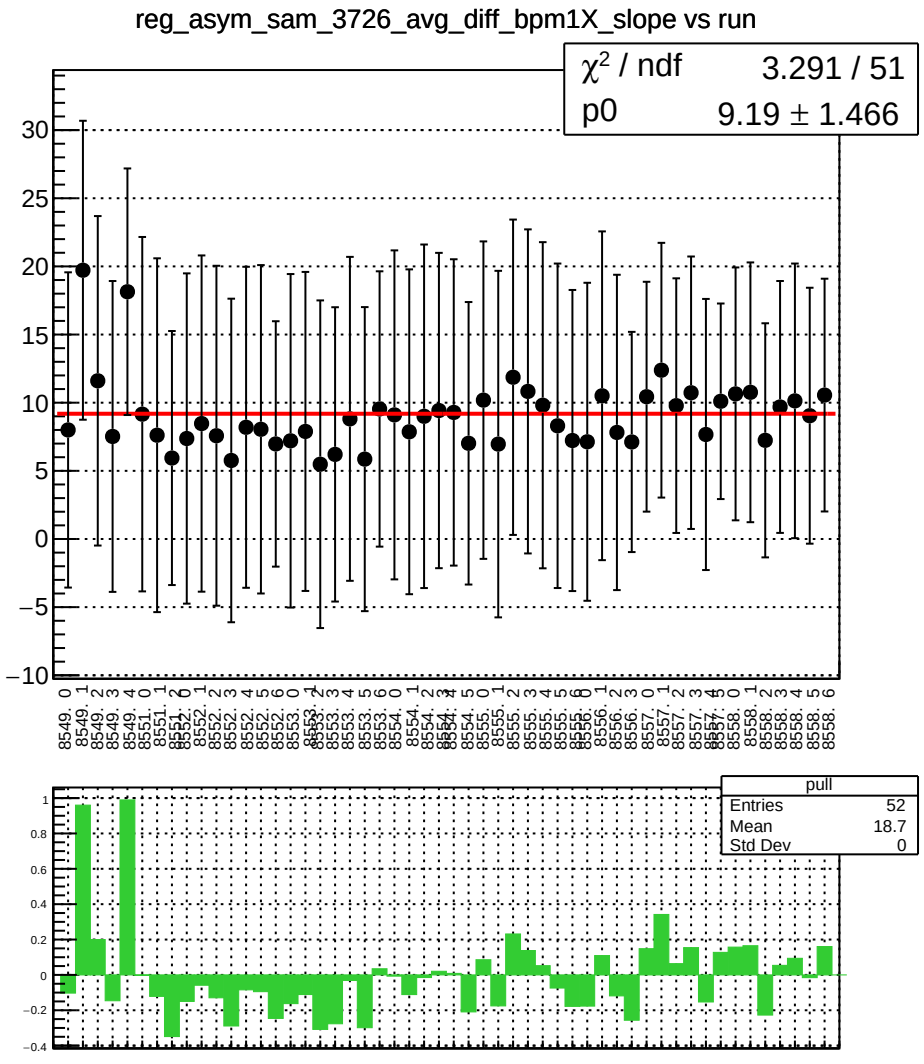

reg_asym_sam_1526_avg_diff_bpm4aY_slope vs run
χ² / ndf 3.353 / 51
p0 −4.385 ± 1.196
pull
Entries 52
Mean −429.4
Std Dev 0
pull1D
Entries 52
Mean −0.002286
Std Dev 0.2539

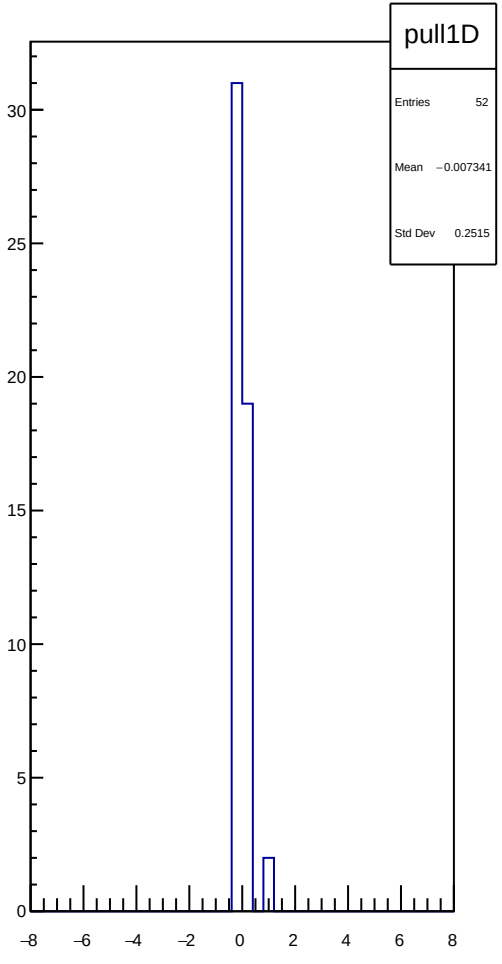

reg_asym_sam_1526_avg_diff_bpm4eX_slope vs run
χ² / ndf 7.67 / 51
p0 −30.47 ± 0.7674
pull
Entries 52
Mean 43.38
Std Dev 0
pull1D
Entries 52
Mean 0.01168
Std Dev 0.3839

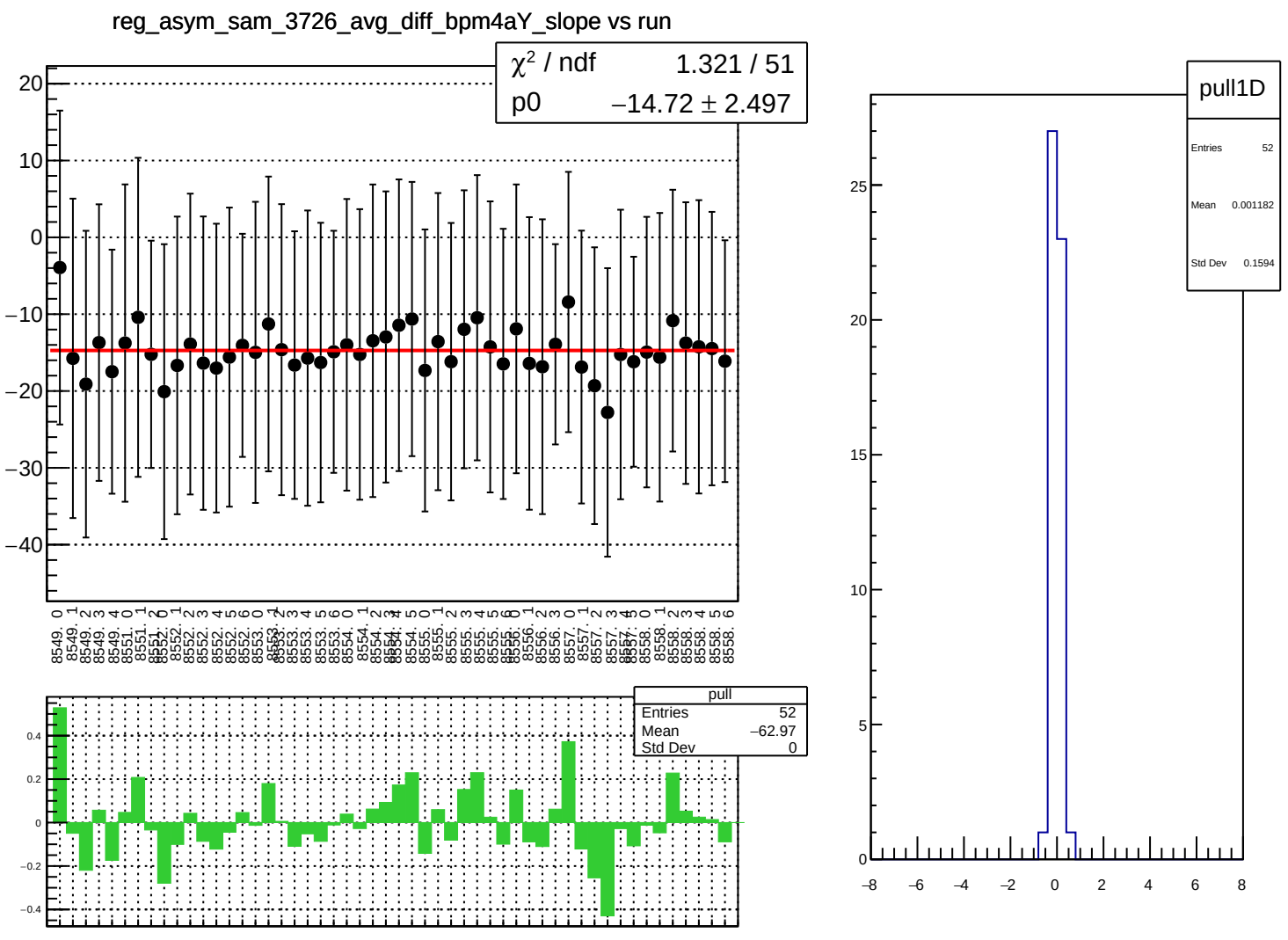

reg_asym_sam_1526_avg_diff_bpm4eY_slope vs run
χ² / ndf 3.479 / 51
p0 17.29 ± 1.268
pull
Entries 52
Mean −355.9
Std Dev 0

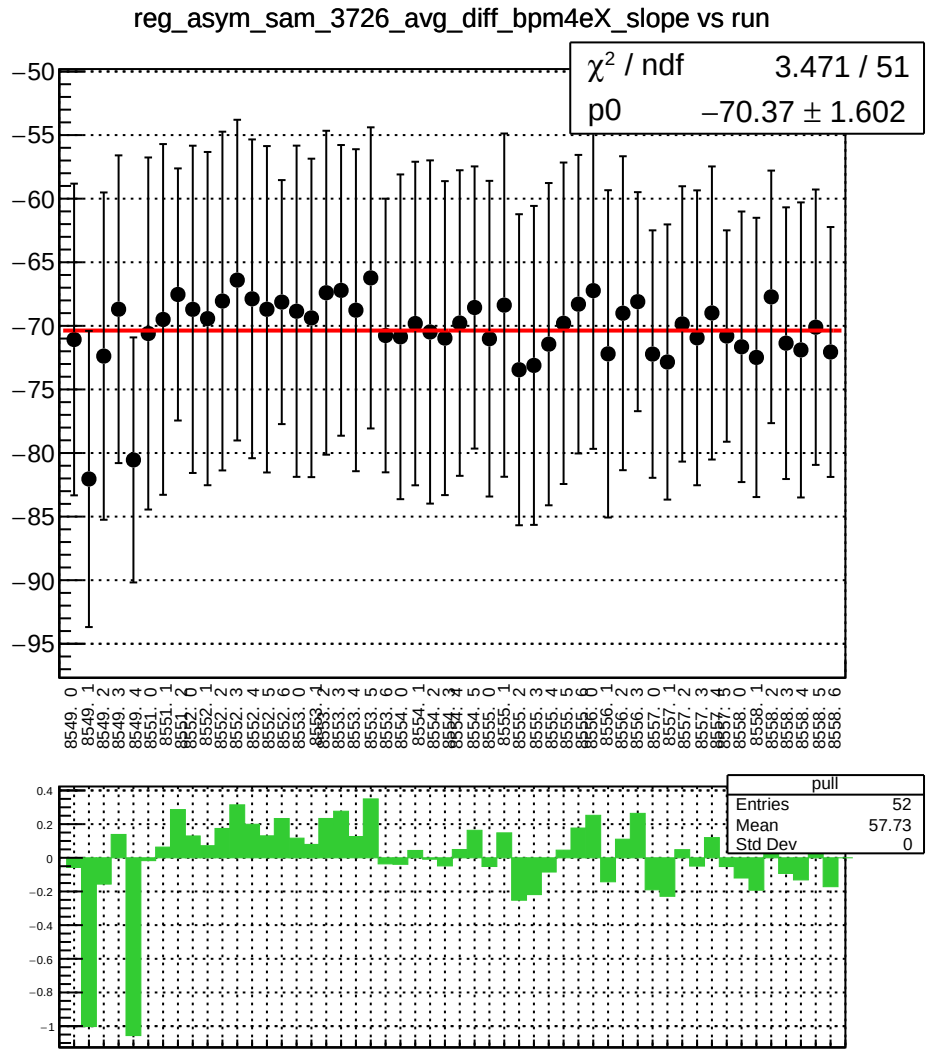

pull1D
Entries 52
Mean 0.003008
Std Dev 0.2586

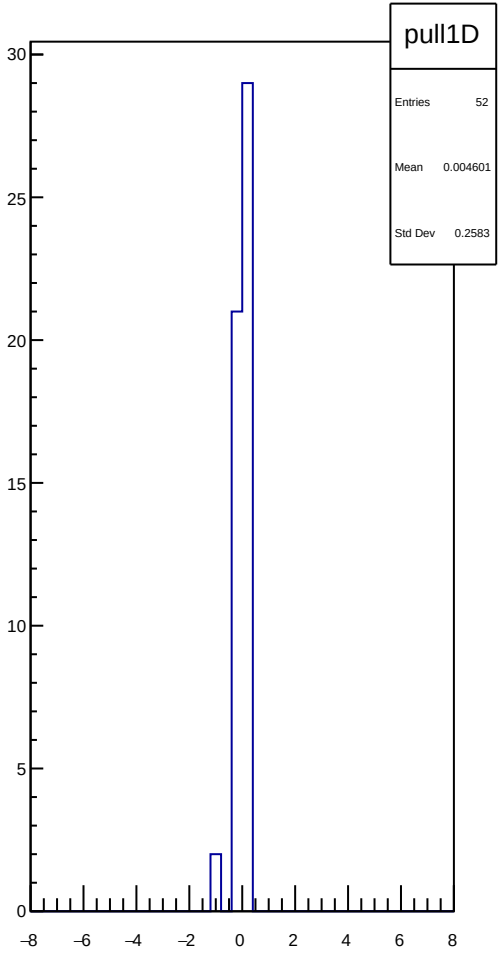

reg_asym_sam_1526_avg_diff_bpm12X_slope vs run
χ² / ndf 8.329 / 51
p0 1.492 ± 0.08337
pull
Entries 52
Mean 513.3
Std Dev 0
pull1D
Entries 52
Mean 0.005074
Std Dev 0.4002

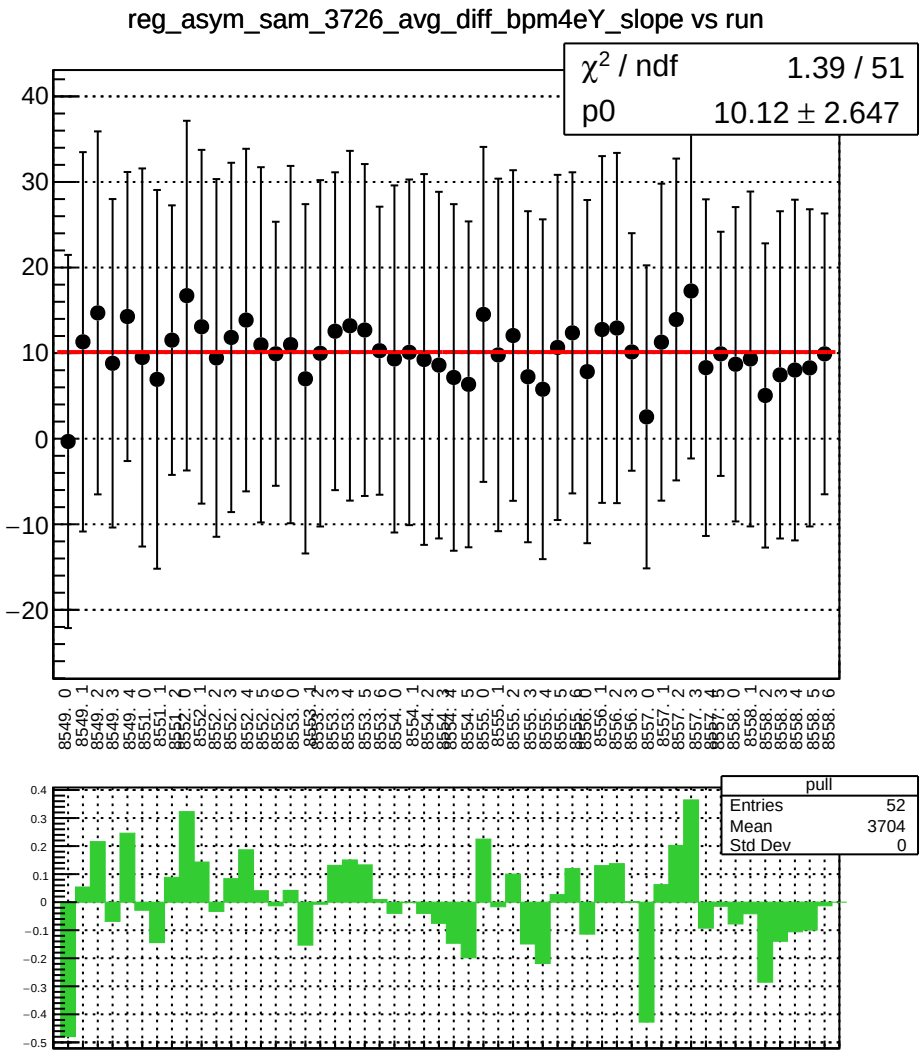

reg_asym_sam_3726_avg_diff_bpm1X_slope vs run
χ² / ndf 3.291 / 51
p0 9.19 ± 1.466
pull
Entries 52
Mean 18.7
Std Dev 0

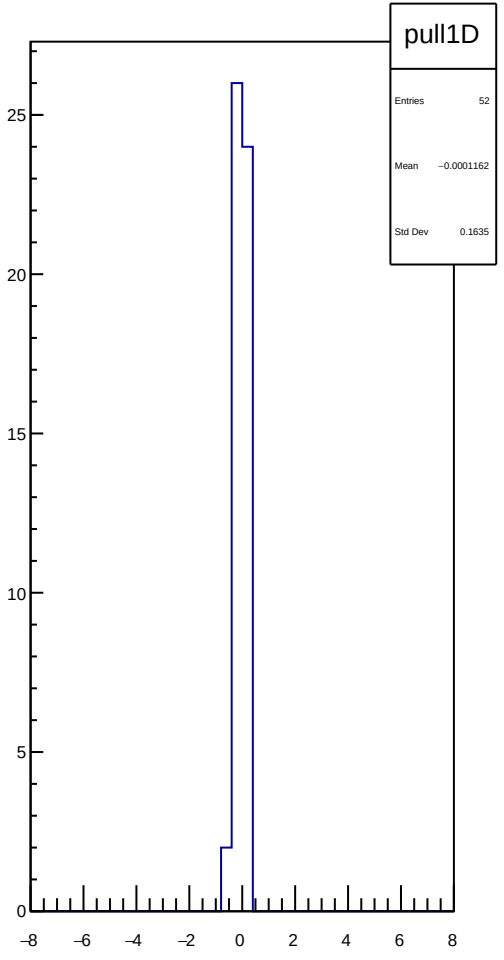

pull1D
Entries 52
Mean −0.007341
Std Dev 0.2515

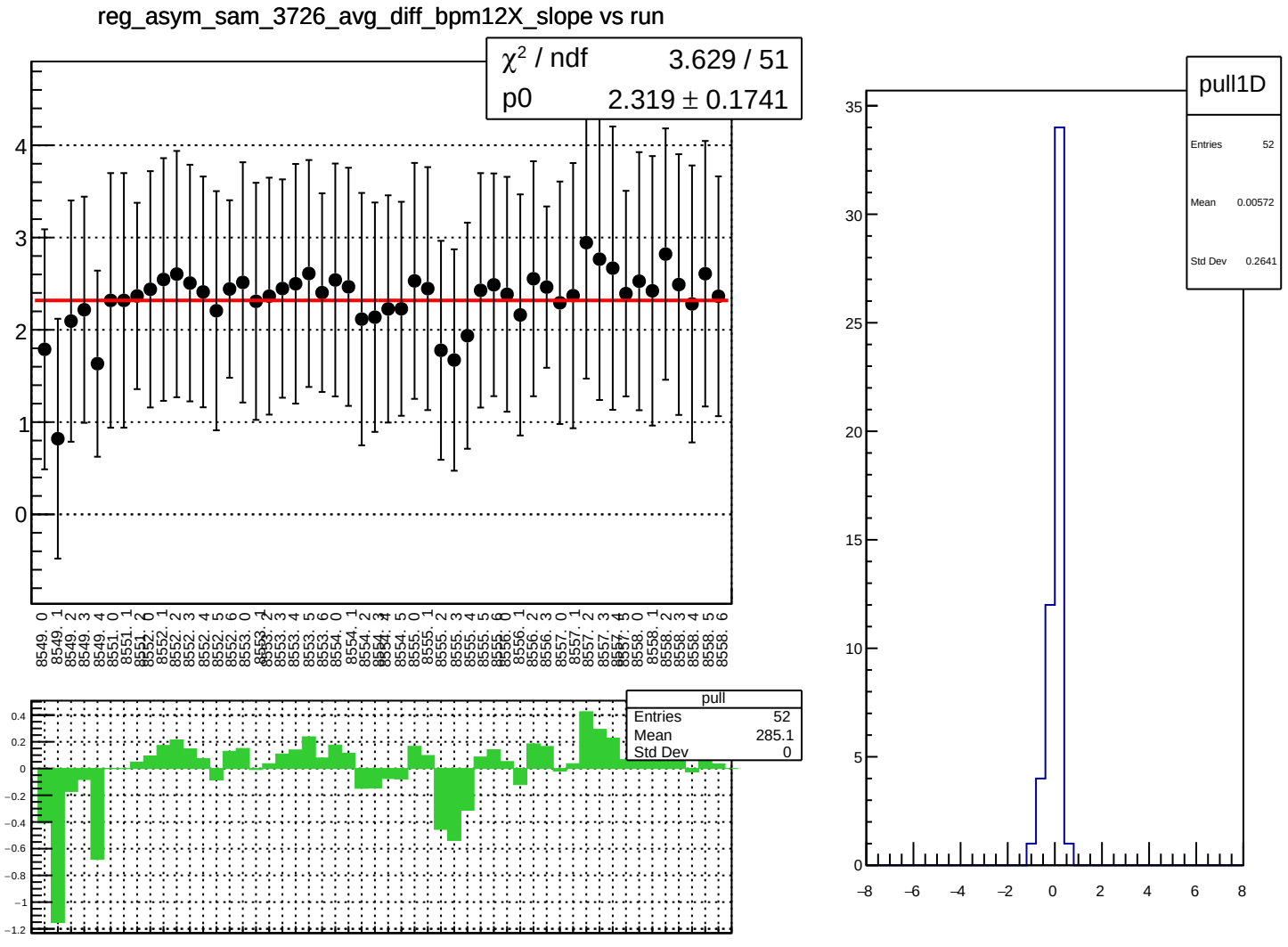

reg_asym_sam_3726_avg_diff_bpm4aY_slope vs run
χ² / ndf 1.321 / 51
p0 −14.72 ± 2.497
pull
Entries 52
Mean −62.97
Std Dev 0
pull1D
Entries 52
Mean 0.001182
Std Dev 0.1594

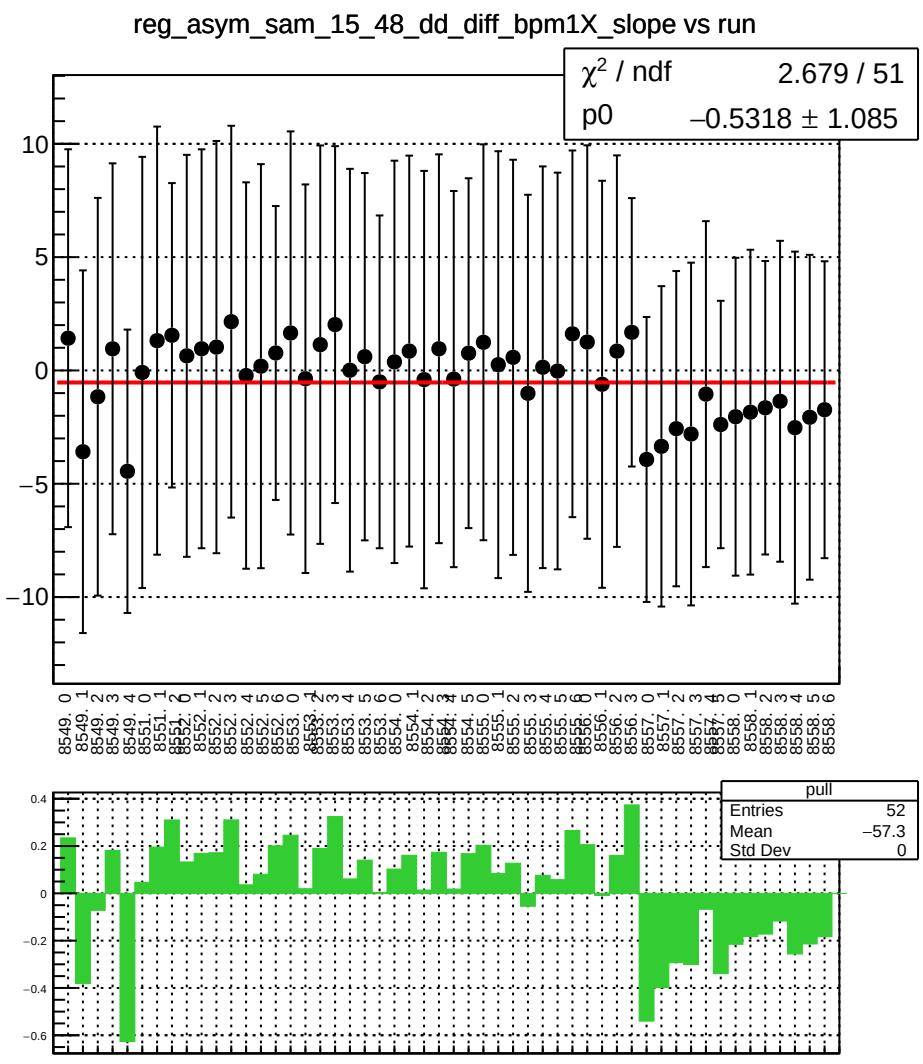

reg_asym_sam_3726_avg_diff_bpm4eX_slope vs run
χ² / ndf 3.471 / 51
p0 −70.37 ± 1.602
pull
Entries 52
Mean 57.73
Std Dev 0

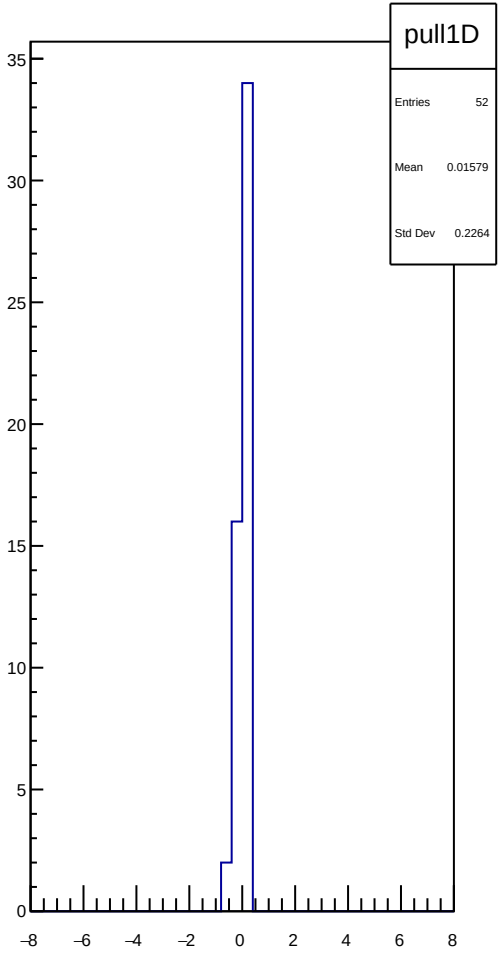

pull1D
Entries 52
Mean 0.004601
Std Dev 0.2583

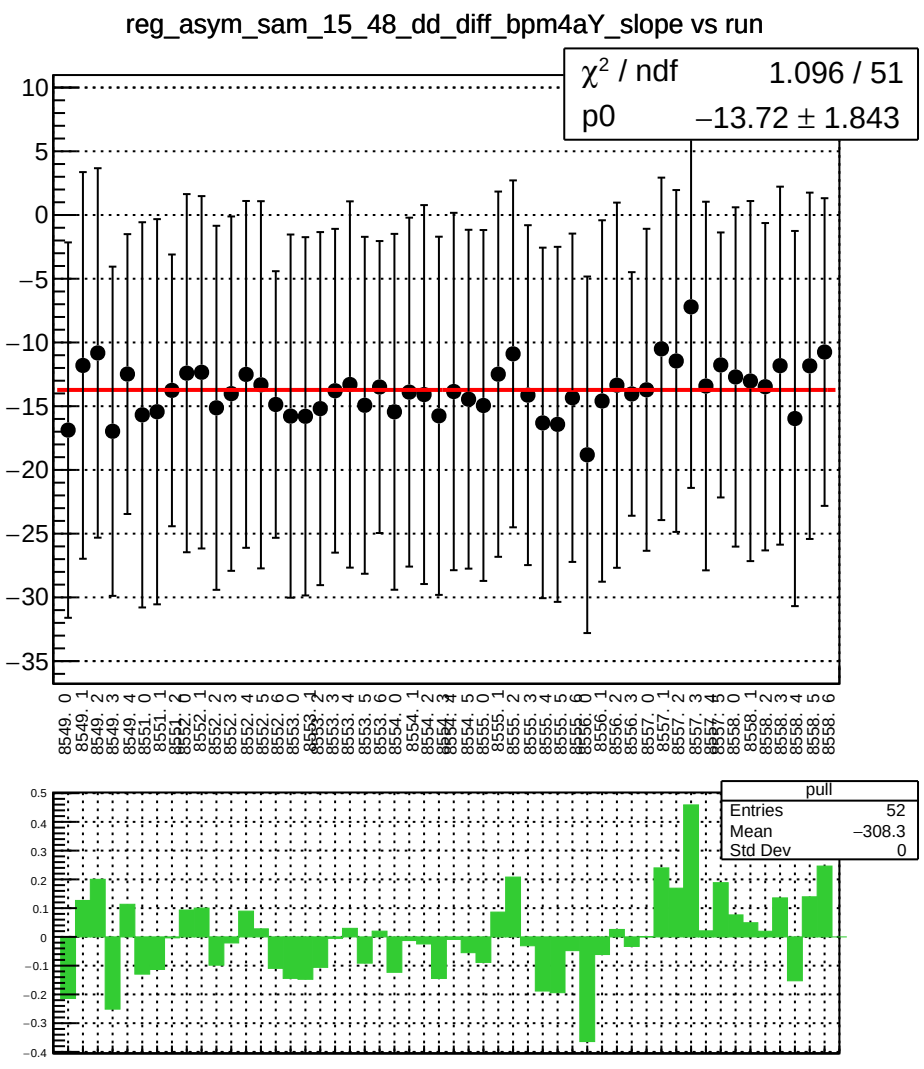

reg_asym_sam_3726_avg_diff_bpm4eY_slope vs run
χ^2 / ndf 1.39 / 51
p0 10.12 ± 2.647
pull
Entries 52
Mean 3704
Std Dev 0

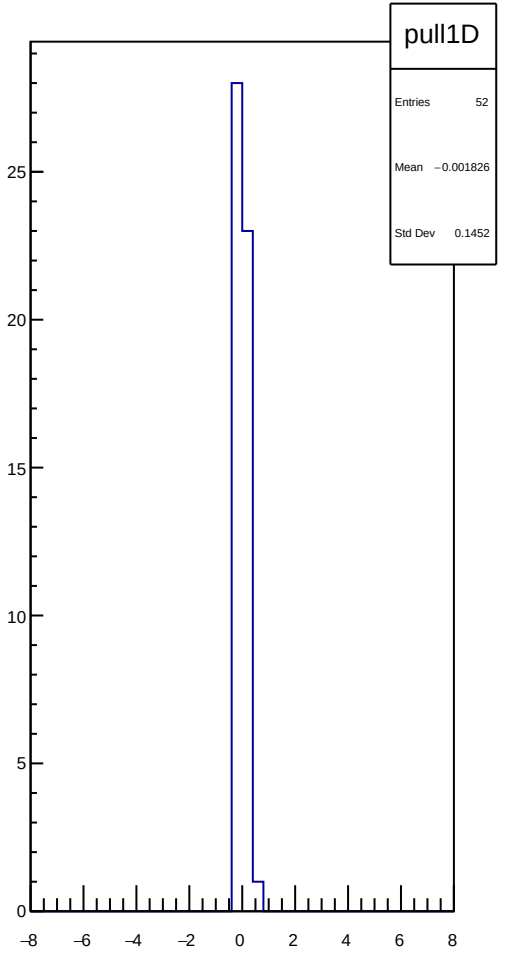

pull1D
Entries 52
Mean −0.0001162
Std Dev 0.1635

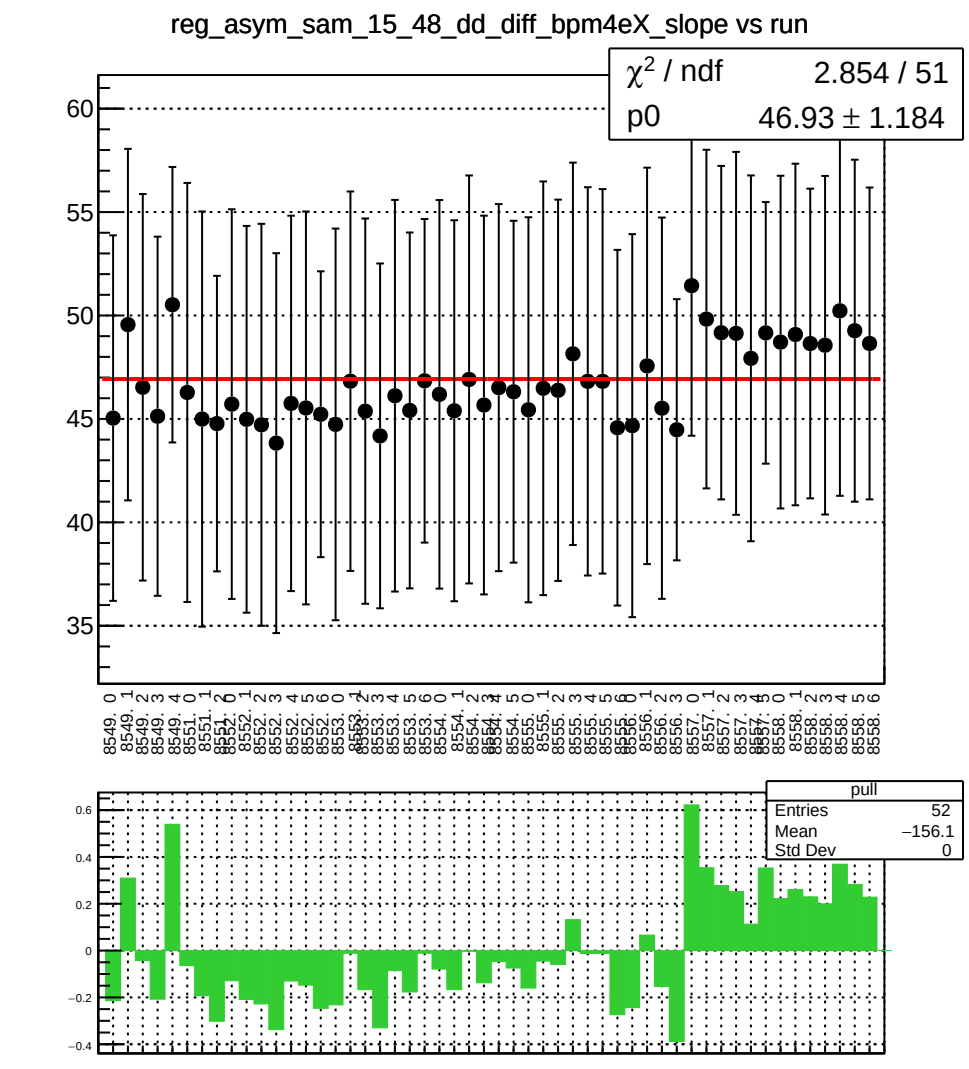

reg_asym_sam_3726_avg_diff_bpm12X_slope vs run
χ² / ndf 3.629 / 51
p0 2.319 ± 0.1741
pull
Entries 52
Mean 285.1
Std Dev 0
pull1D
Entries 52
Mean 0.00572
Std Dev 0.2641

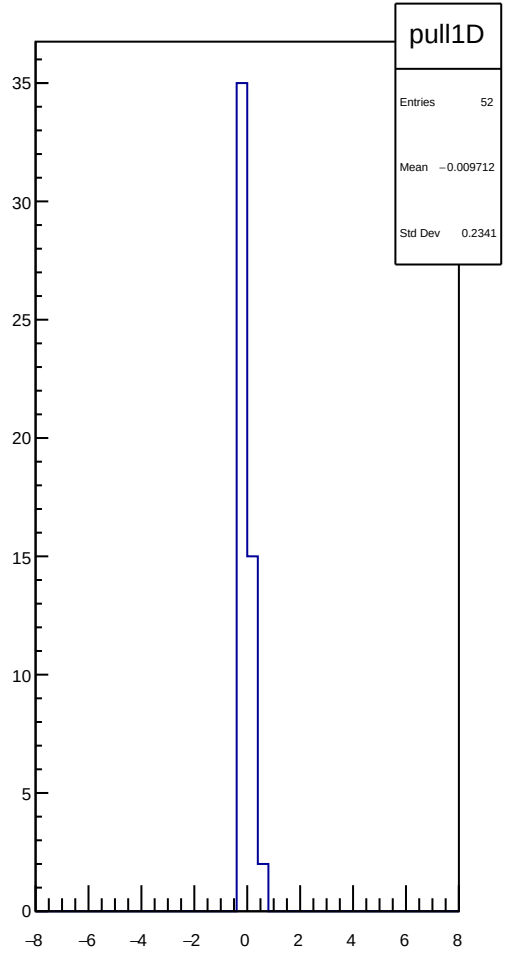

reg_asym_sam_15_48_dd_diff_bpm1X_slope vs run
χ² / ndf 2.679 / 51
p0 −0.5318 ± 1.085
pull
Entries 52
Mean −57.3
Std Dev 0

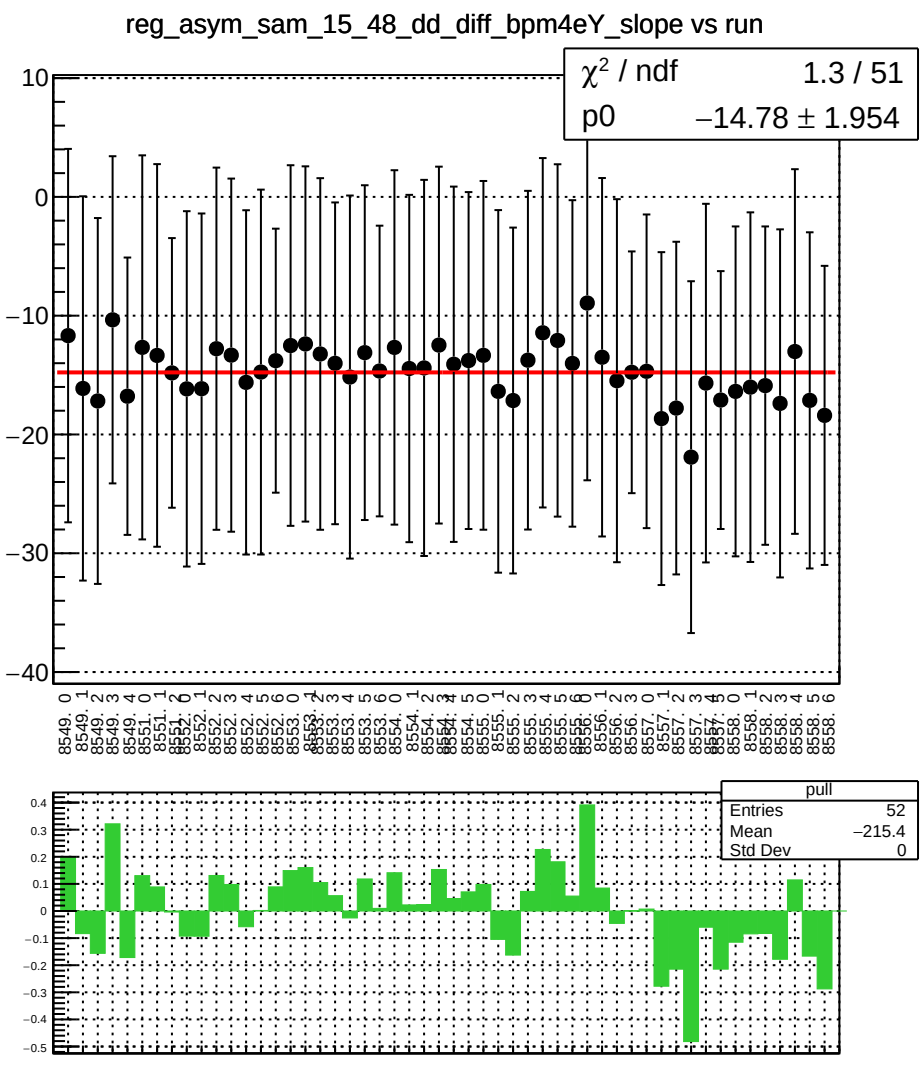

pull1D
Entries 52
Mean 0.01579
Std Dev 0.2264

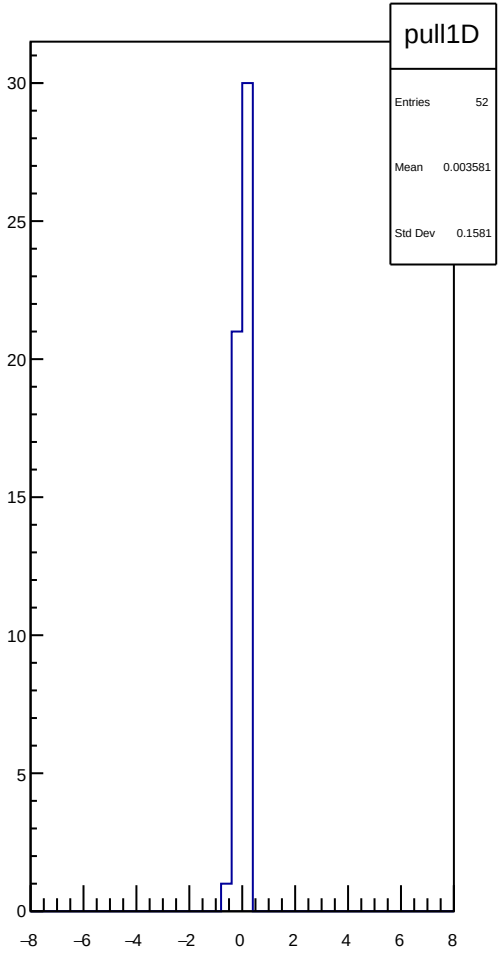

reg_asym_sam_15_48_dd_diff_bpm4aY_slope vs run
χ² / ndf 1.096 / 51
p0 −13.72 ± 1.843
pull
Entries 52
Mean −308.3
Std Dev 0

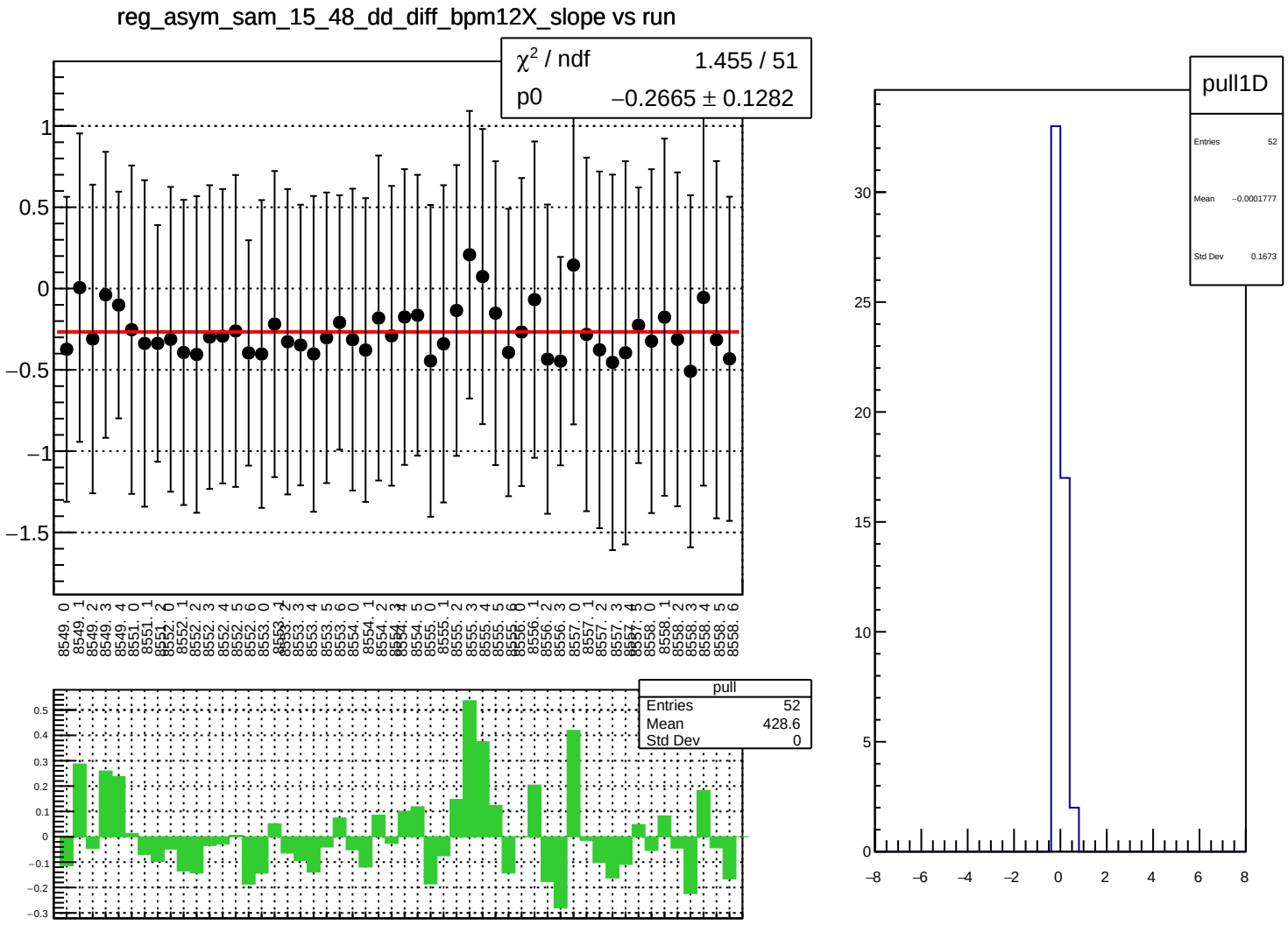

pull1D
Entries 52
Mean −0.001826
Std Dev 0.1452

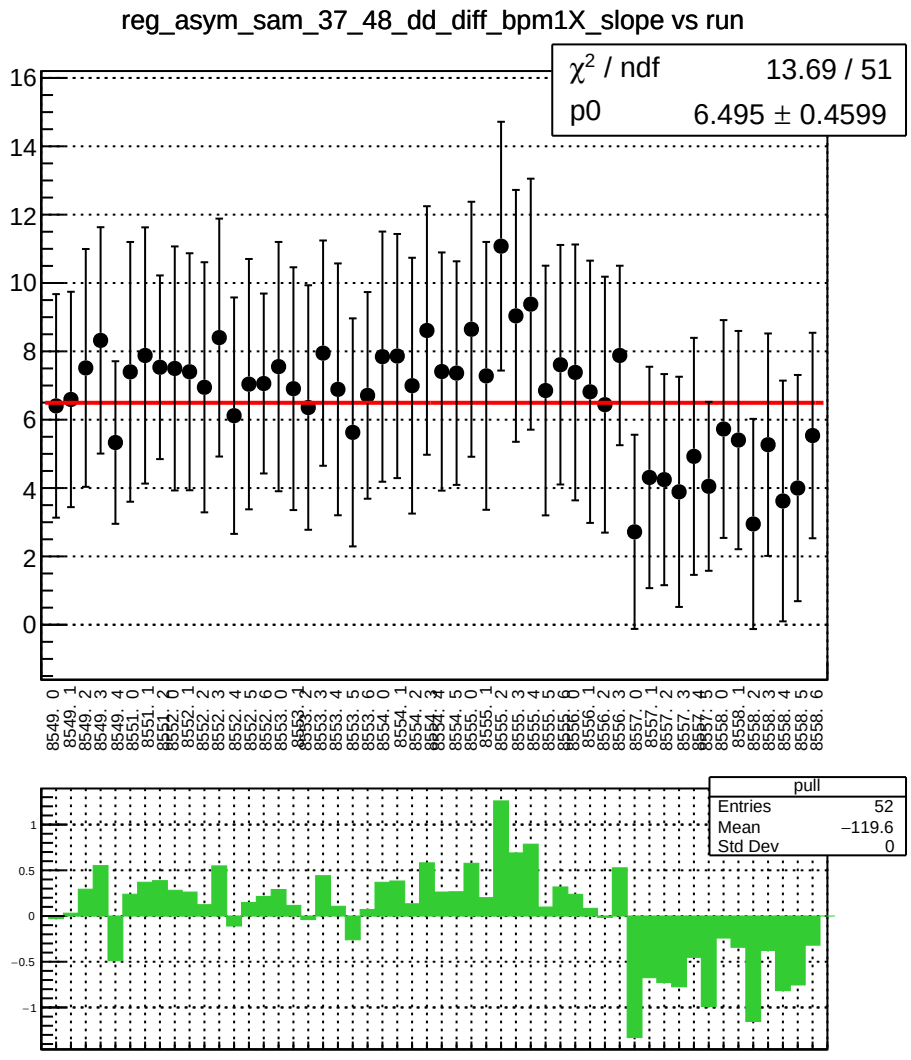

reg_asym_sam_15_48_dd_diff_bpm4eX_slope vs run
χ² / ndf 2.854 / 51
p0 46.93 ± 1.184
pull
Entries 52
Mean −156.1
Std Dev 0

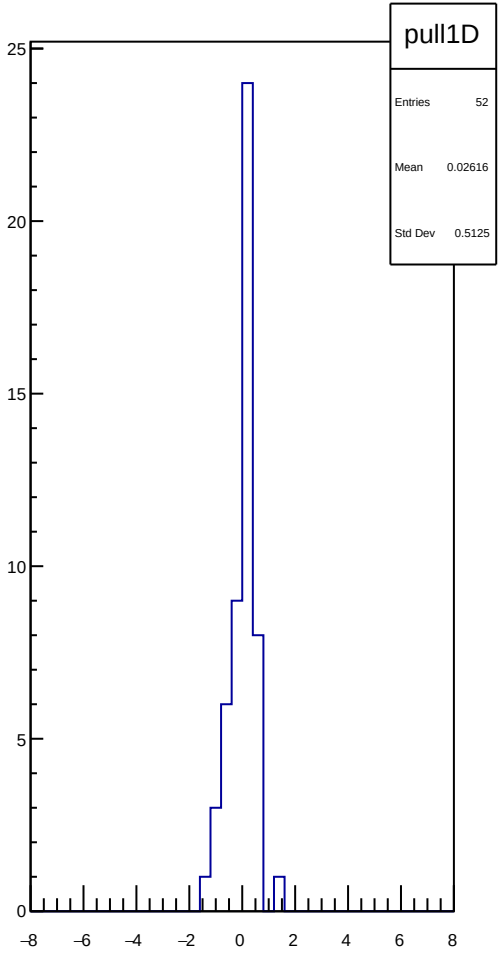

pull1D
Entries 52
Mean −0.009712
Std Dev 0.2341

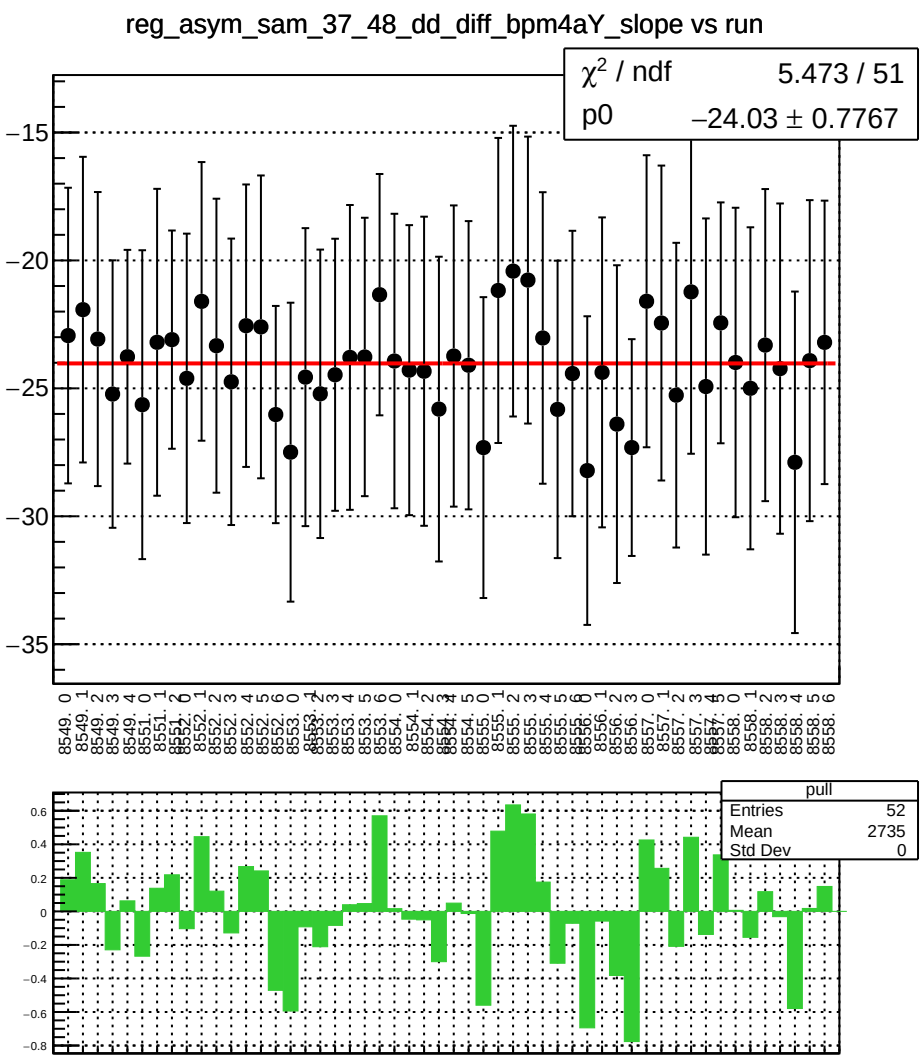

reg_asym_sam_15_48_dd_diff_bpm4eY_slope vs run
χ² / ndf 1.3 / 51
p0 −14.78 ± 1.954
pull
Entries 52
Mean −215.4
Std Dev 0

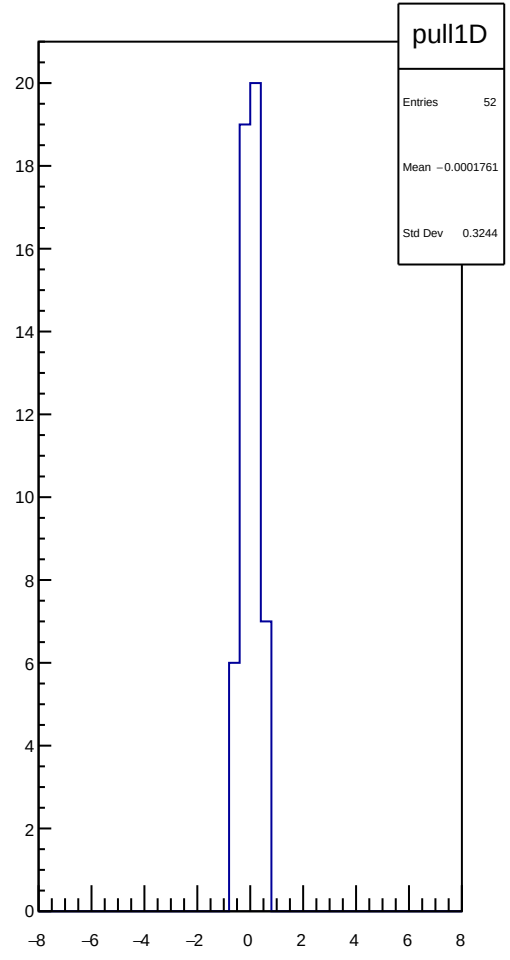

pull1D
Entries 52
Mean 0.003581
Std Dev 0.1581

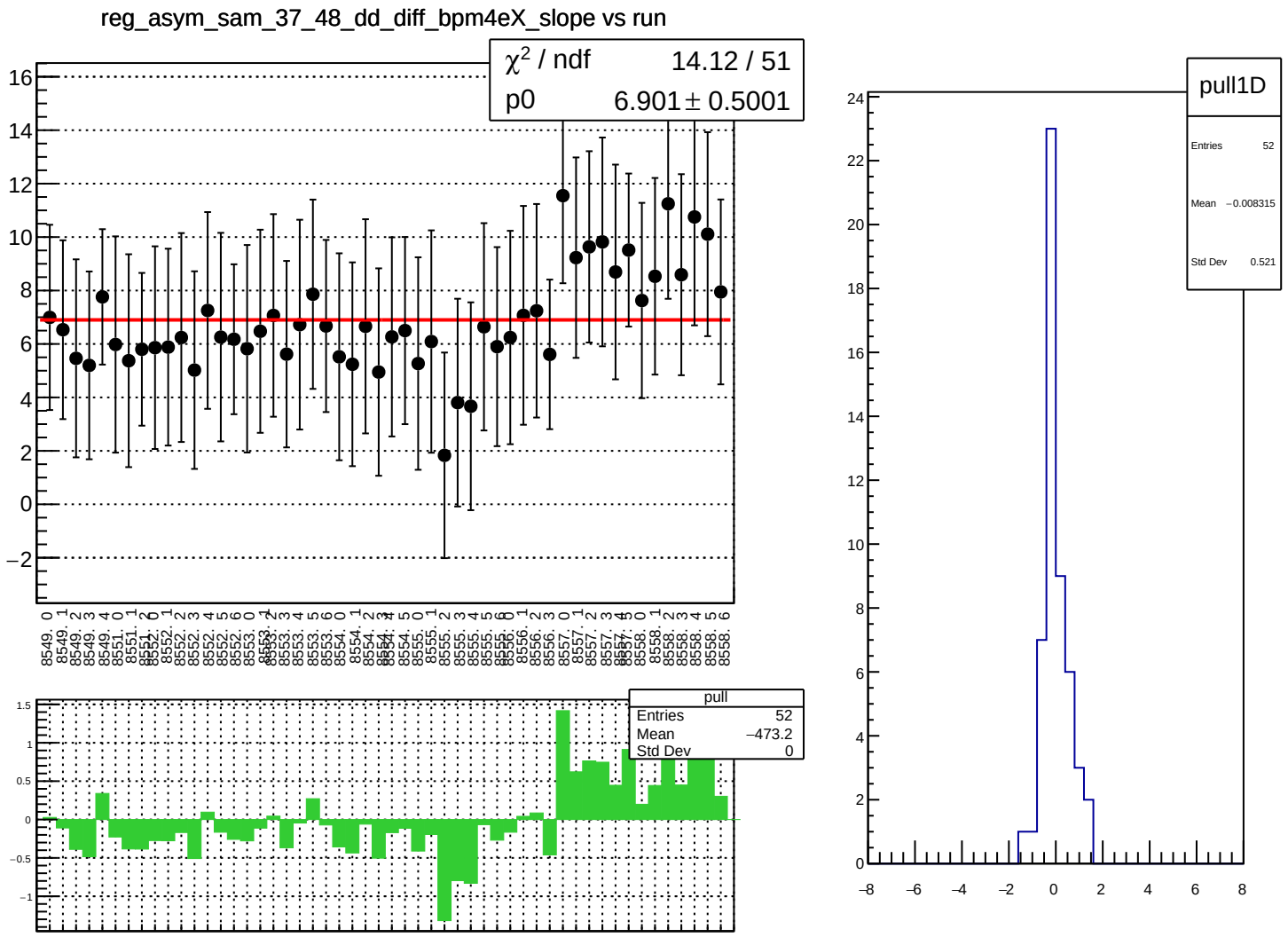

reg_asym_sam_15_48_dd_diff_bpm12X_slope vs run
χ² / ndf 1.455 / 51
p0 −0.2665 ± 0.1282
pull
Entries 52
Mean 428.6
Std Dev 0
pull1D
Entries 52
Mean −0.0001777
Std Dev 0.1673

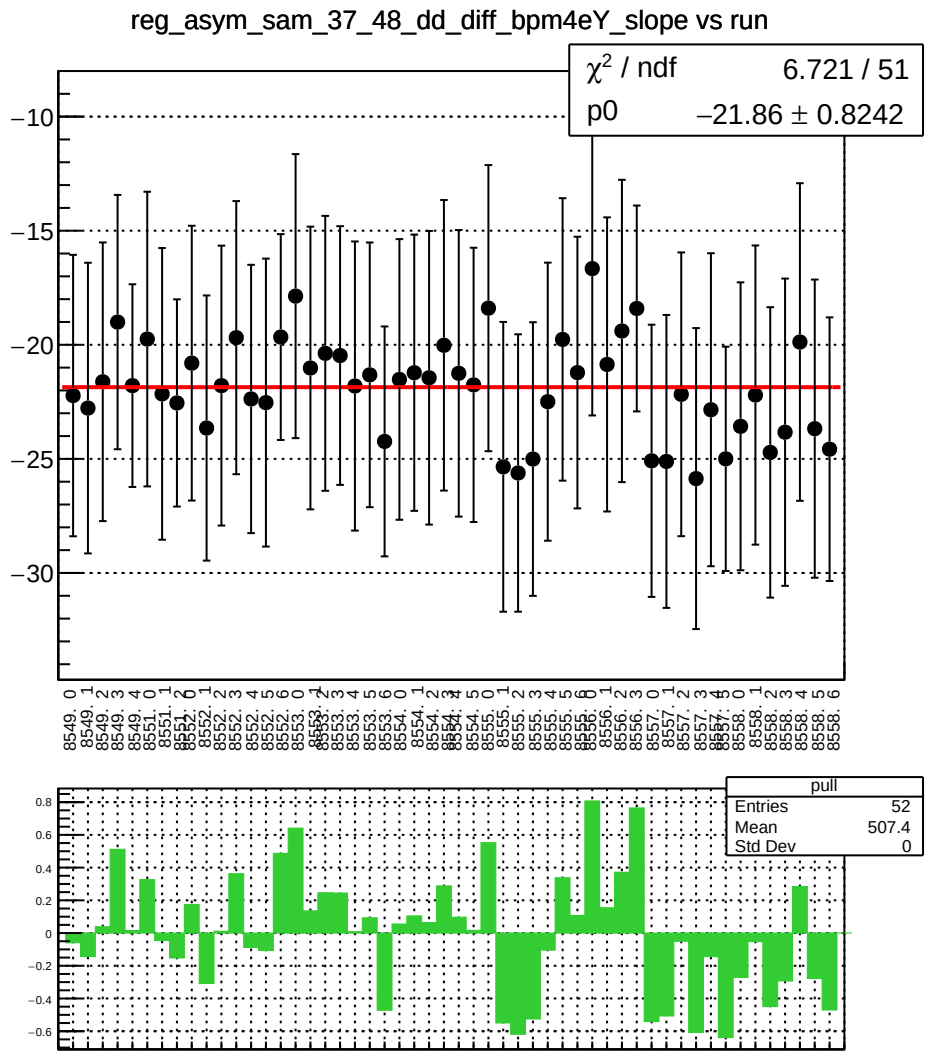

reg_asym_sam_37_48_dd_diff_bpm1X_slope vs run
χ² / ndf 13.69 / 51
p0 6.495 ± 0.4599
pull
Entries 52
Mean −119.6
Std Dev 0

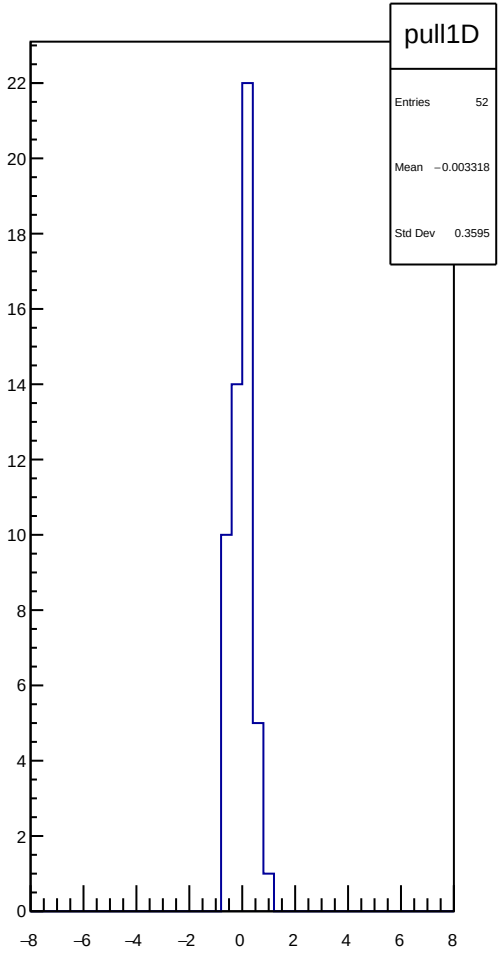

pull1D
Entries 52
Mean 0.02616
Std Dev 0.5125

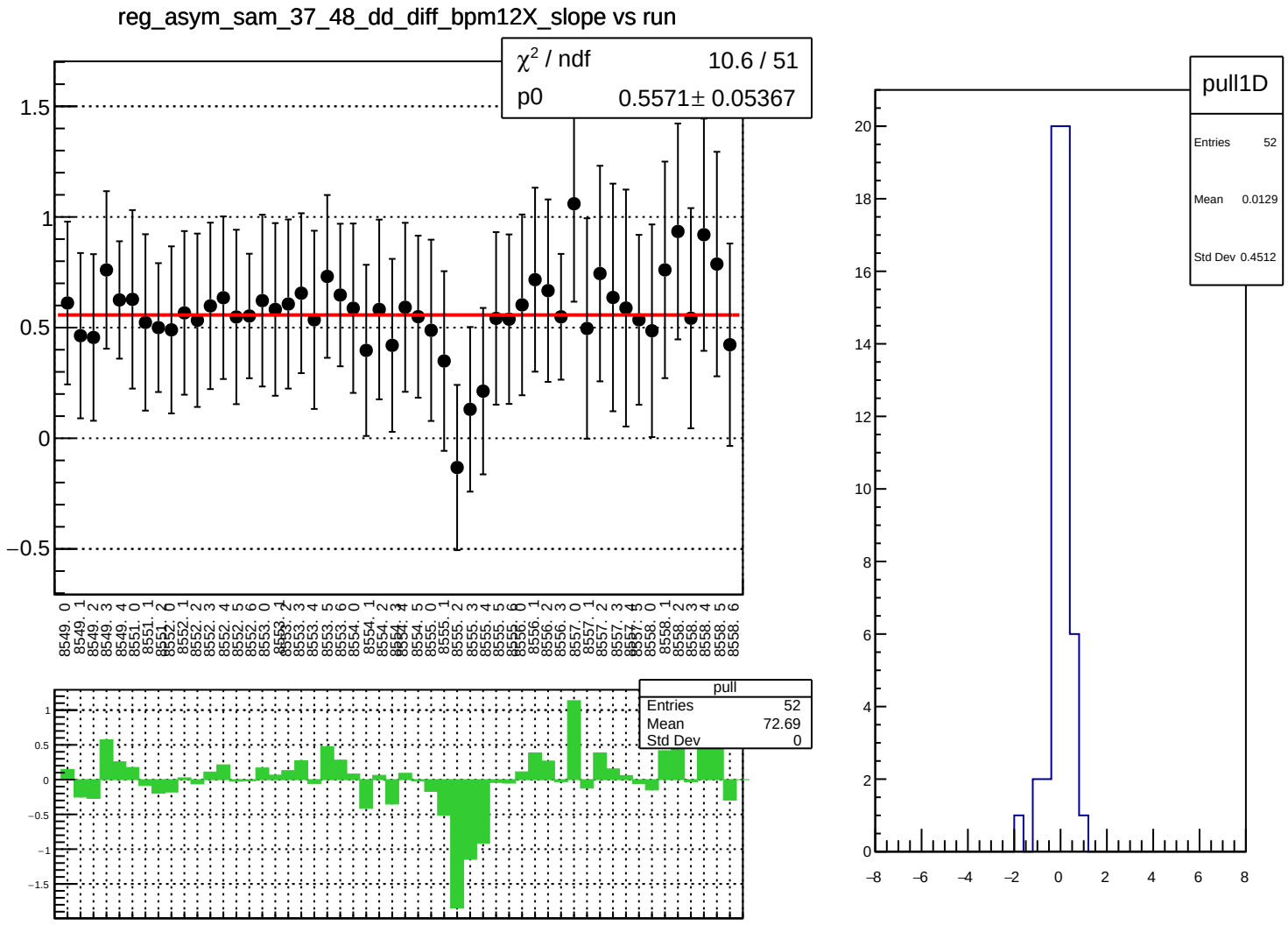

reg_asym_sam_37_48_dd_diff_bpm4aY_slope vs run
χ² / ndf 5.473 / 51
p0 −24.03 ± 0.7767
pull
Entries 52
Mean 2735
Std Dev 0

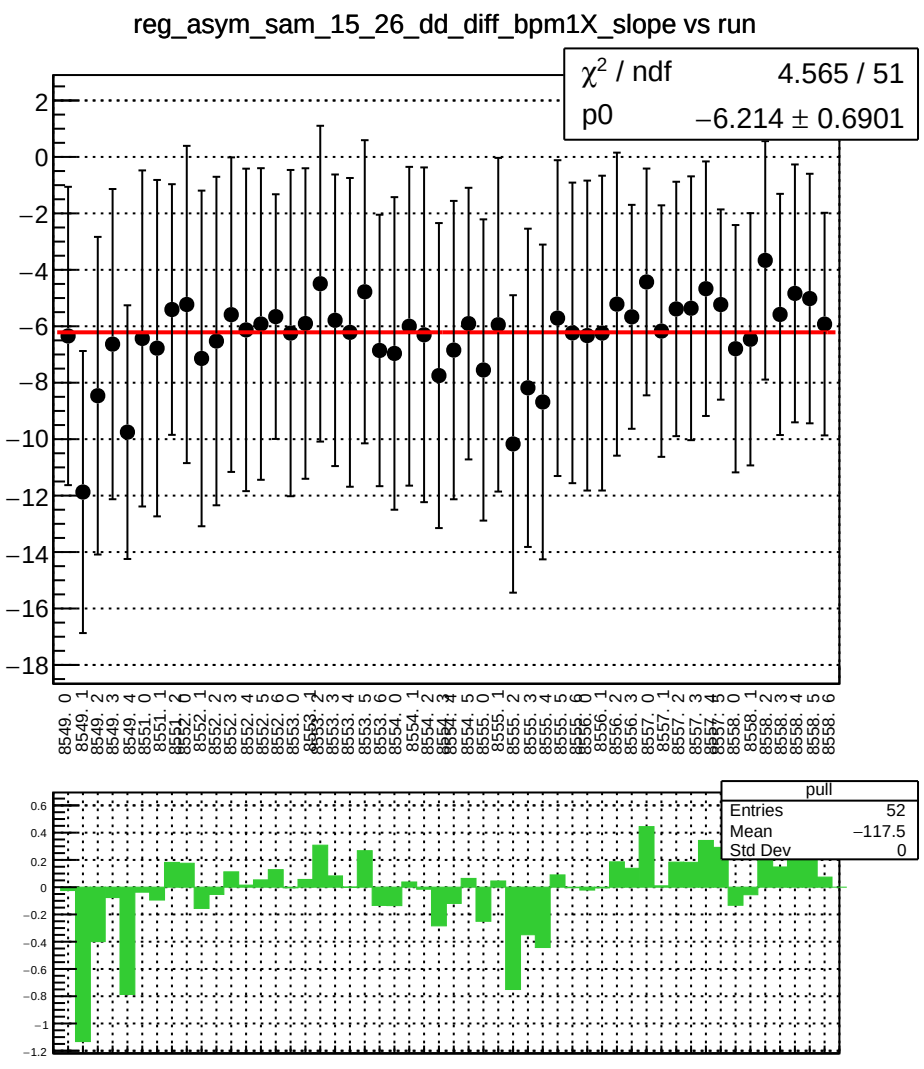

pull1D
Entries 52
Mean −0.0001761
Std Dev 0.3244

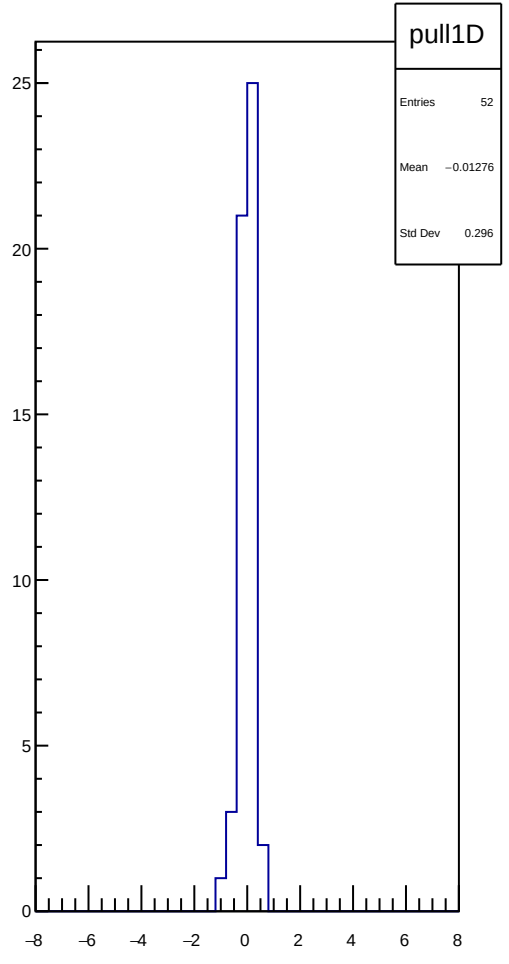

reg_asym_sam_37_48_dd_diff_bpm4eX_slope vs run
χ² / ndf 14.12 / 51
p0 6.901 ± 0.5001
pull
Entries 52
Mean −473.2
Std Dev 0
pull1D
Entries 52
Mean −0.008315
Std Dev 0.521

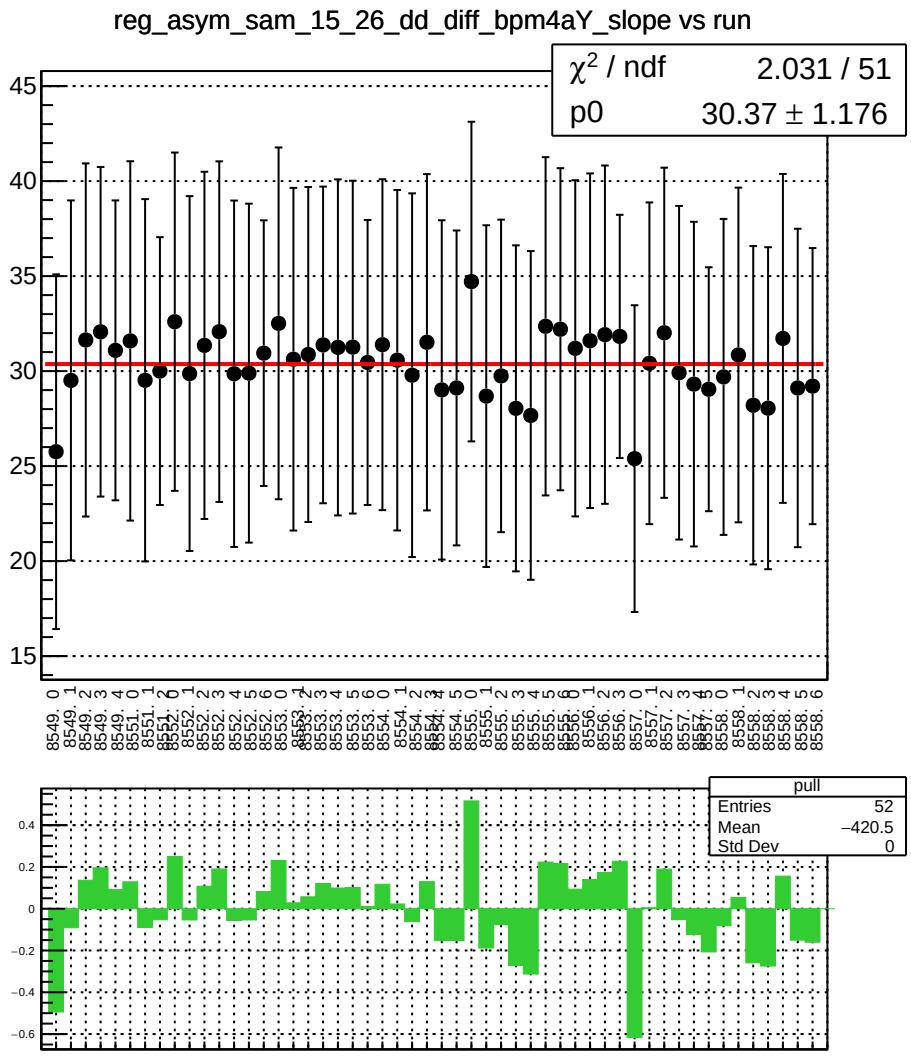

reg_asym_sam_37_48_dd_diff_bpm4eY_slope vs run
χ² / ndf 6.721 / 51
p0 −21.86 ± 0.8242
pull
Entries 52
Mean 507.4
Std Dev 0

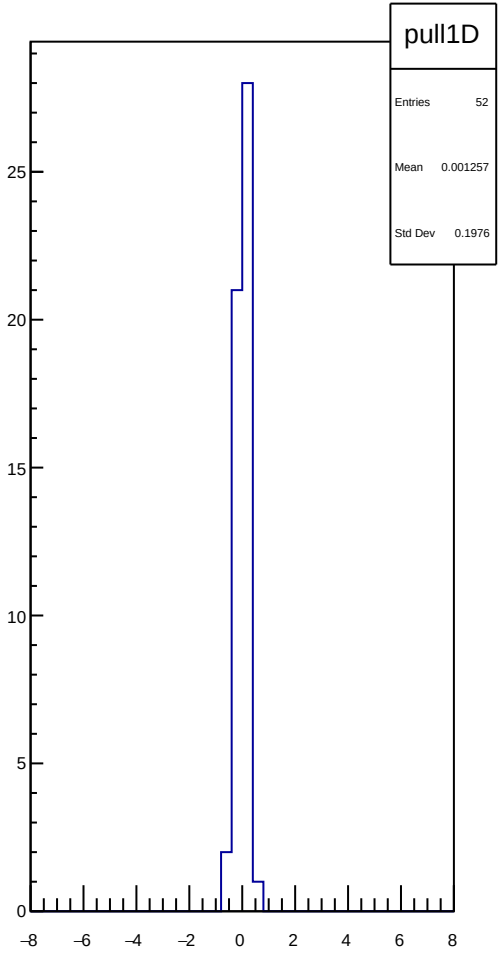

pull1D
Entries 52
Mean −0.003318
Std Dev 0.3595

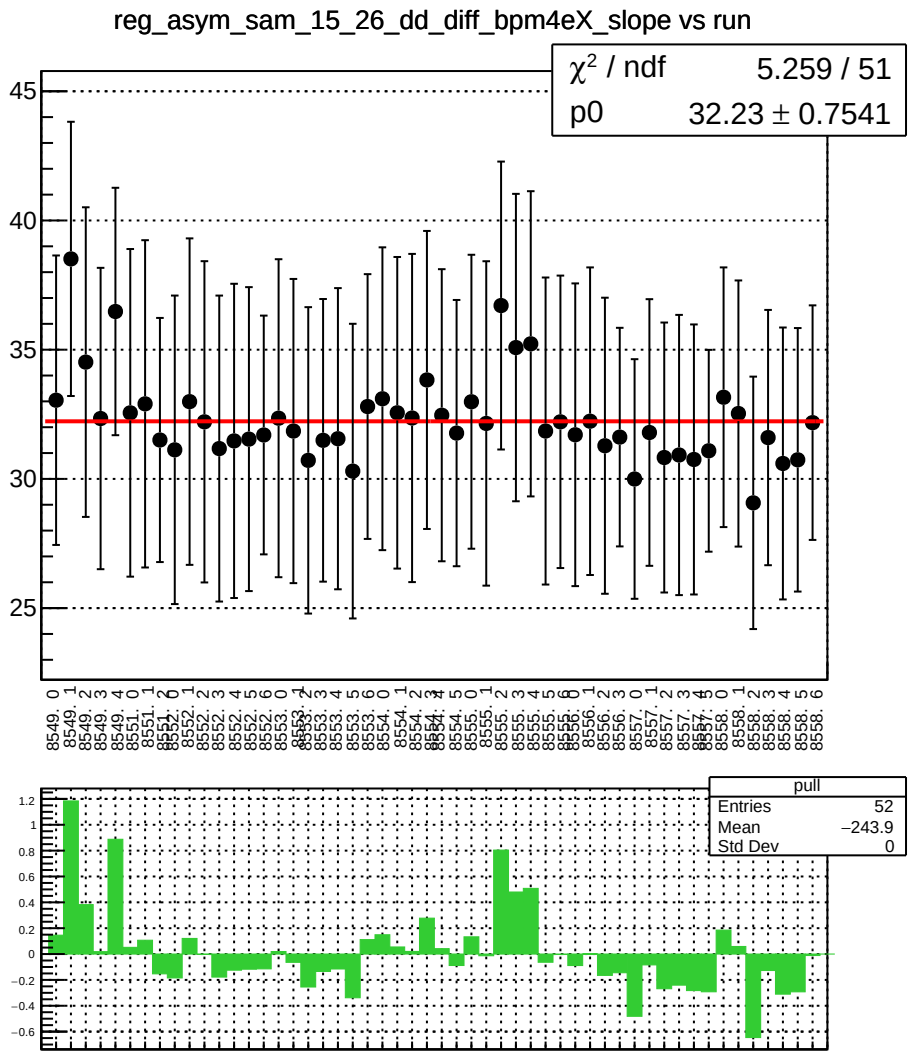

reg_asym_sam_37_48_dd_diff_bpm12X_slope vs run
χ² / ndf 10.6 / 51
p0 0.5571± 0.05367
pull
Entries 52
Mean 72.69
Std Dev 0
pull1D
Entries 52
Mean 0.0129
Std Dev 0.4512

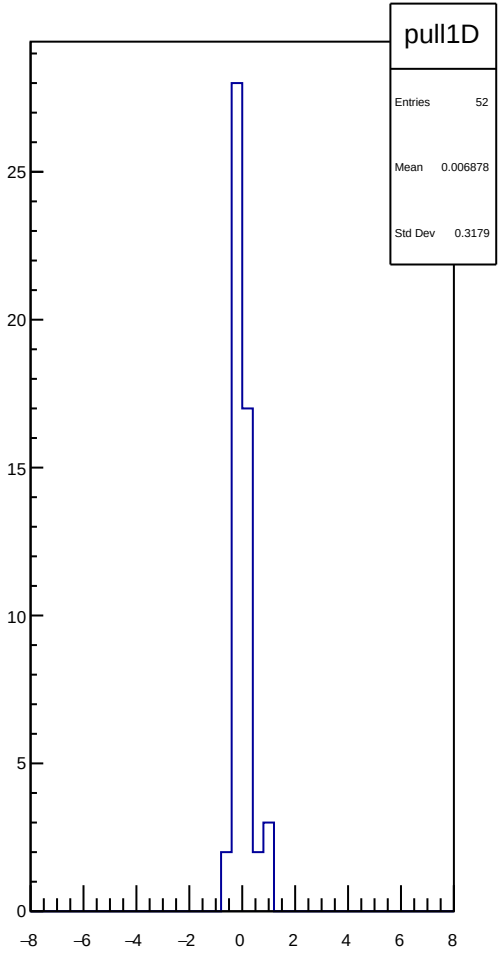

reg_asym_sam_15_26_dd_diff_bpm1X_slope vs run
χ² / ndf 4.565 / 51
p0 −6.214 ± 0.6901
pull
Entries 52
Mean −117.5
Std Dev 0

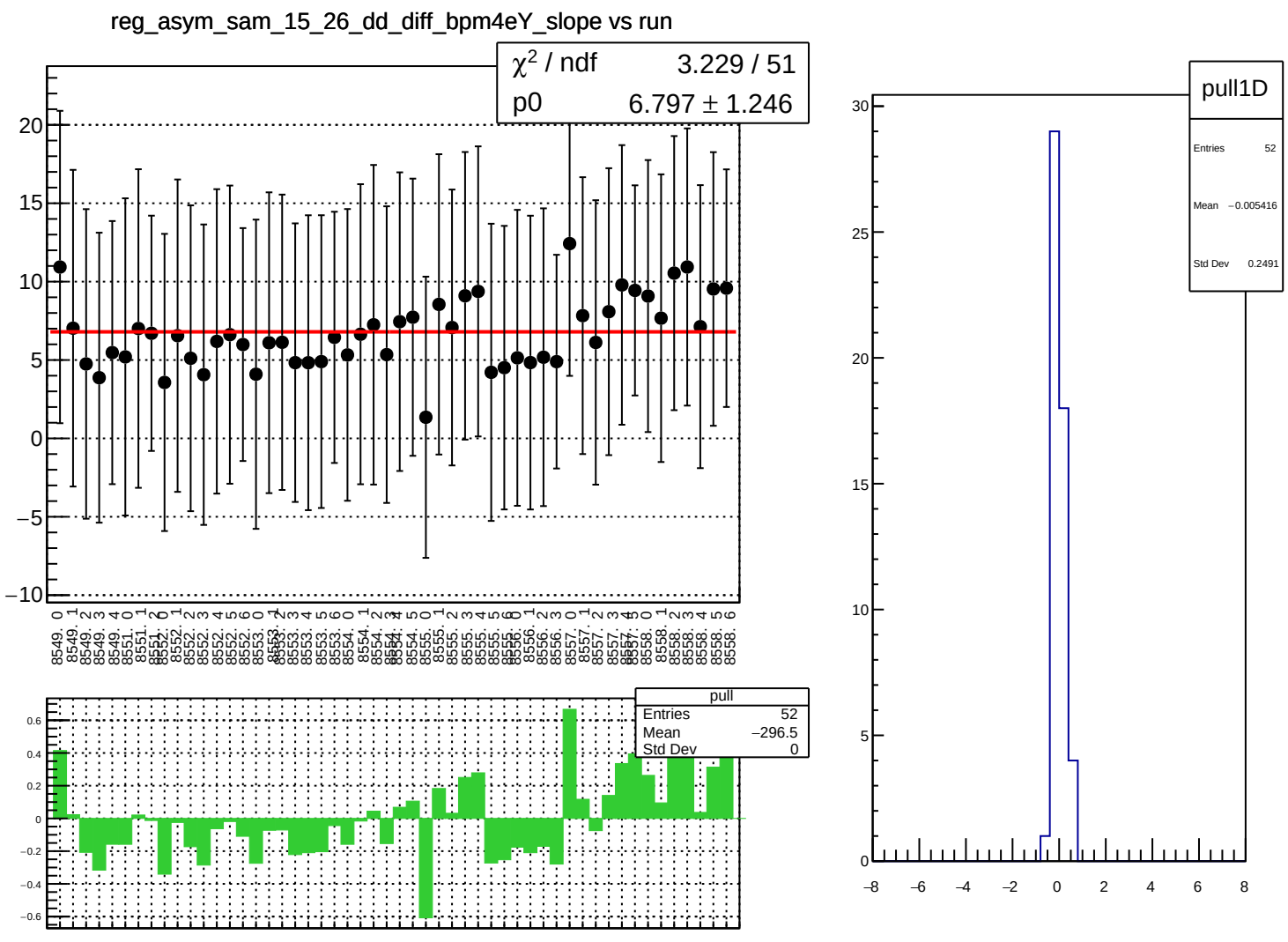

pull1D
Entries 52
Mean −0.01276
Std Dev 0.296

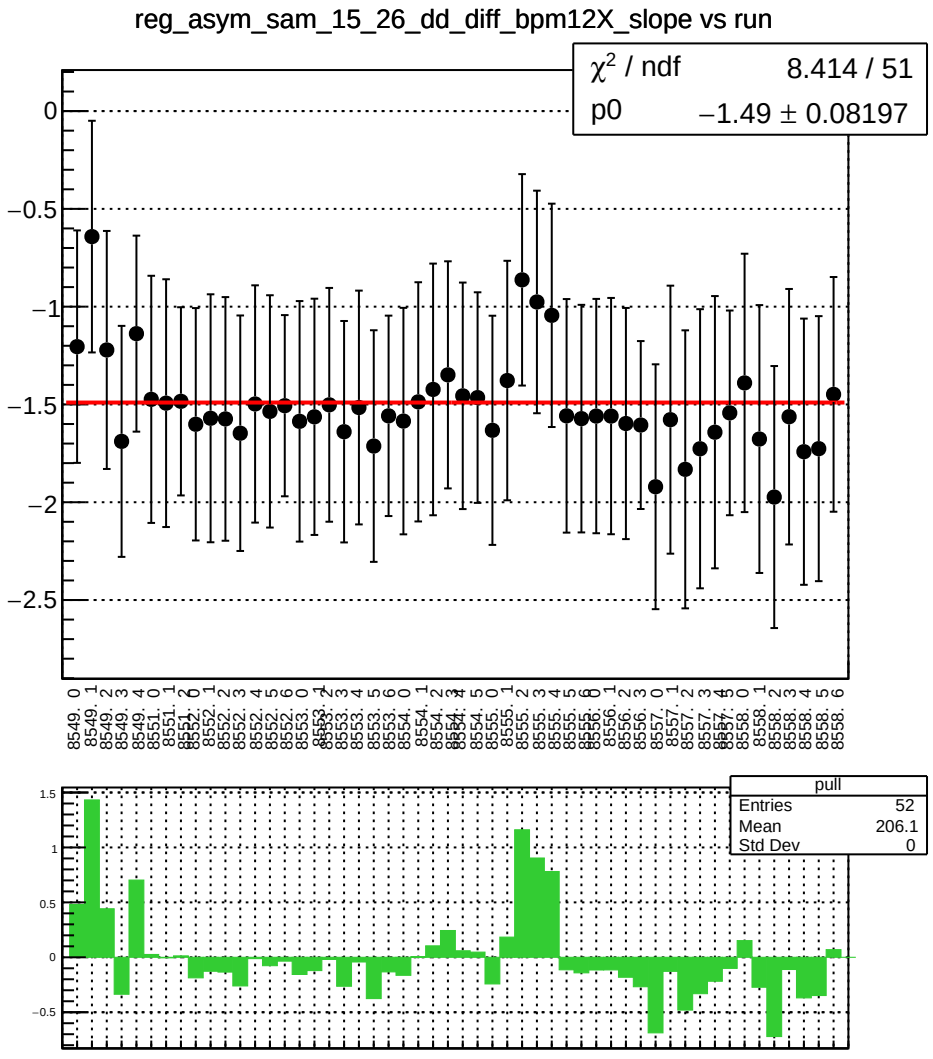

reg_asym_sam_15_26_dd_diff_bpm4aY_slope vs run
χ² / ndf 2.031 / 51
p0 30.37 ± 1.176
pull
Entries 52
Mean −420.5
Std Dev 0

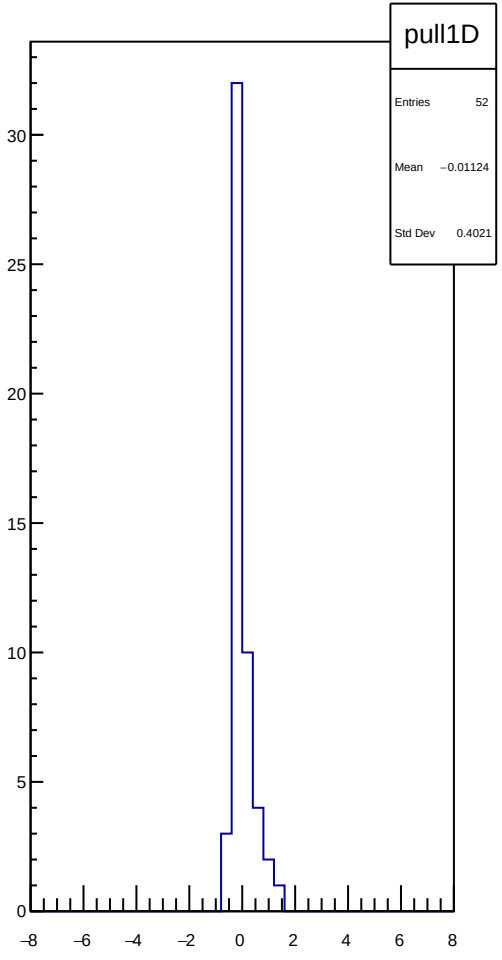

pull1D
Entries 52
Mean 0.001257
Std Dev 0.1976

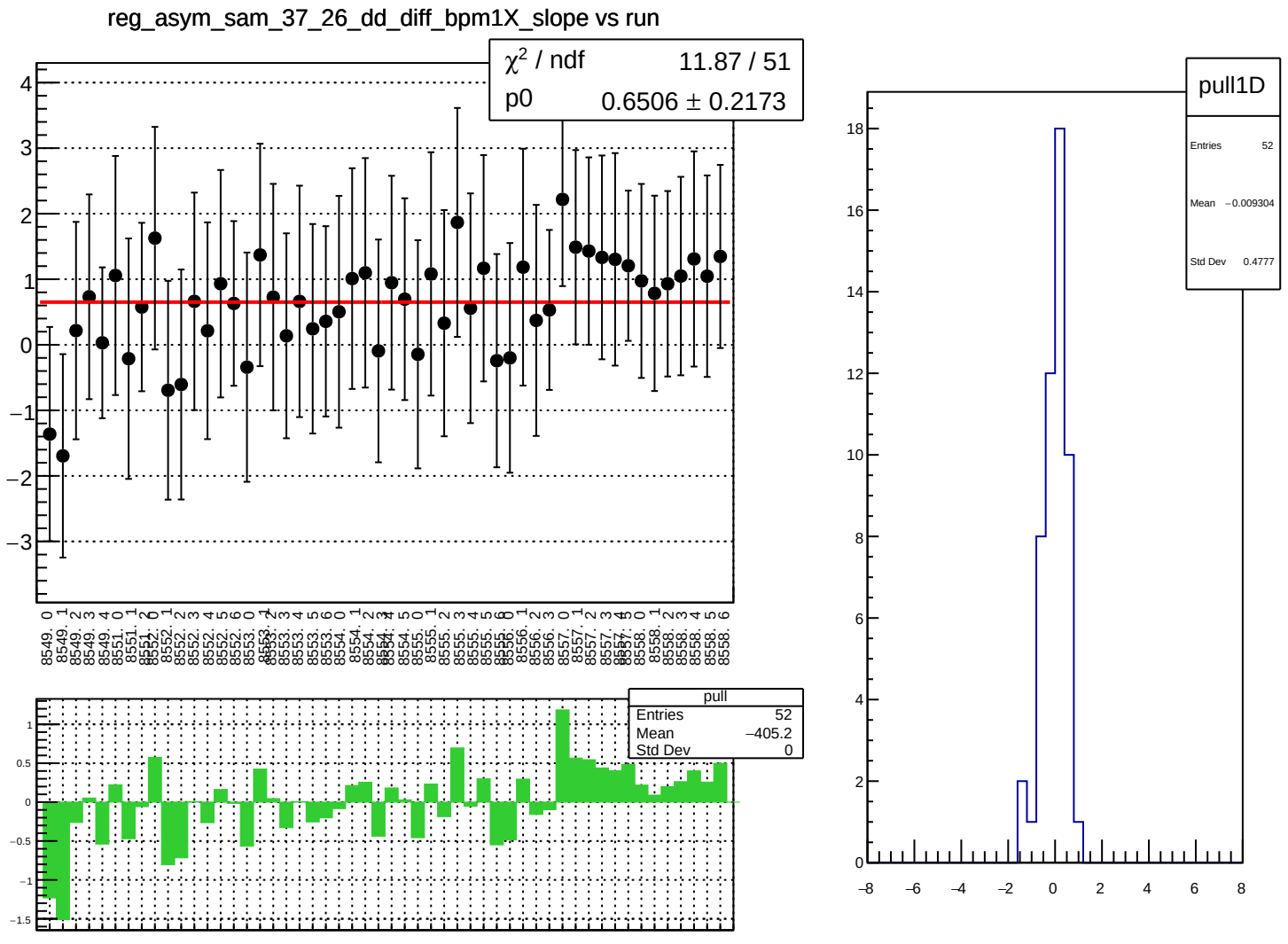

reg_asym_sam_15_26_dd_diff_bpm4eX_slope vs run
χ² / ndf 5.259 / 51
p0 32.23 ± 0.7541
pull
Entries 52
Mean −243.9
Std Dev 0

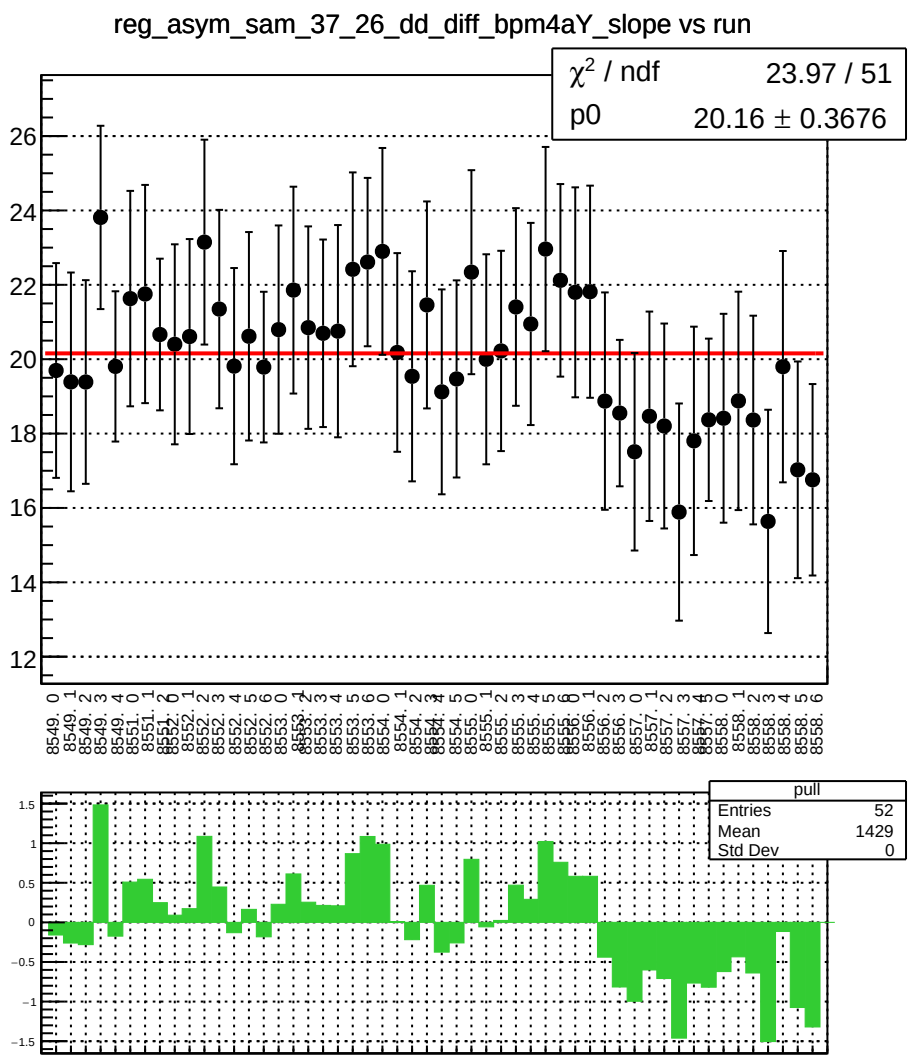

pull1D
Entries 52
Mean 0.006878
Std Dev 0.3179

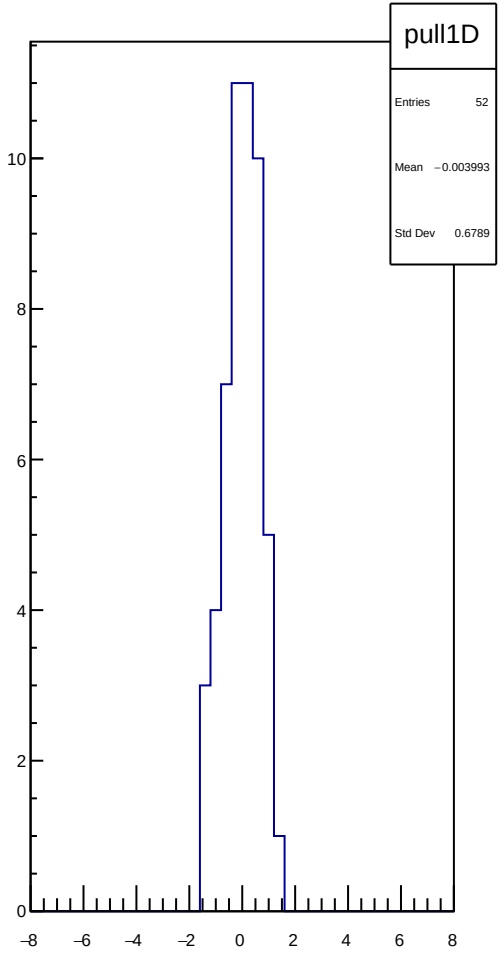

reg_asym_sam_15_26_dd_diff_bpm4eY_slope vs run
χ² / ndf 3.229 / 51
p0 6.797 ± 1.246
pull
Entries 52
Mean −296.5
Std Dev 0
pull1D
Entries 52
Mean −0.005416
Std Dev 0.2491

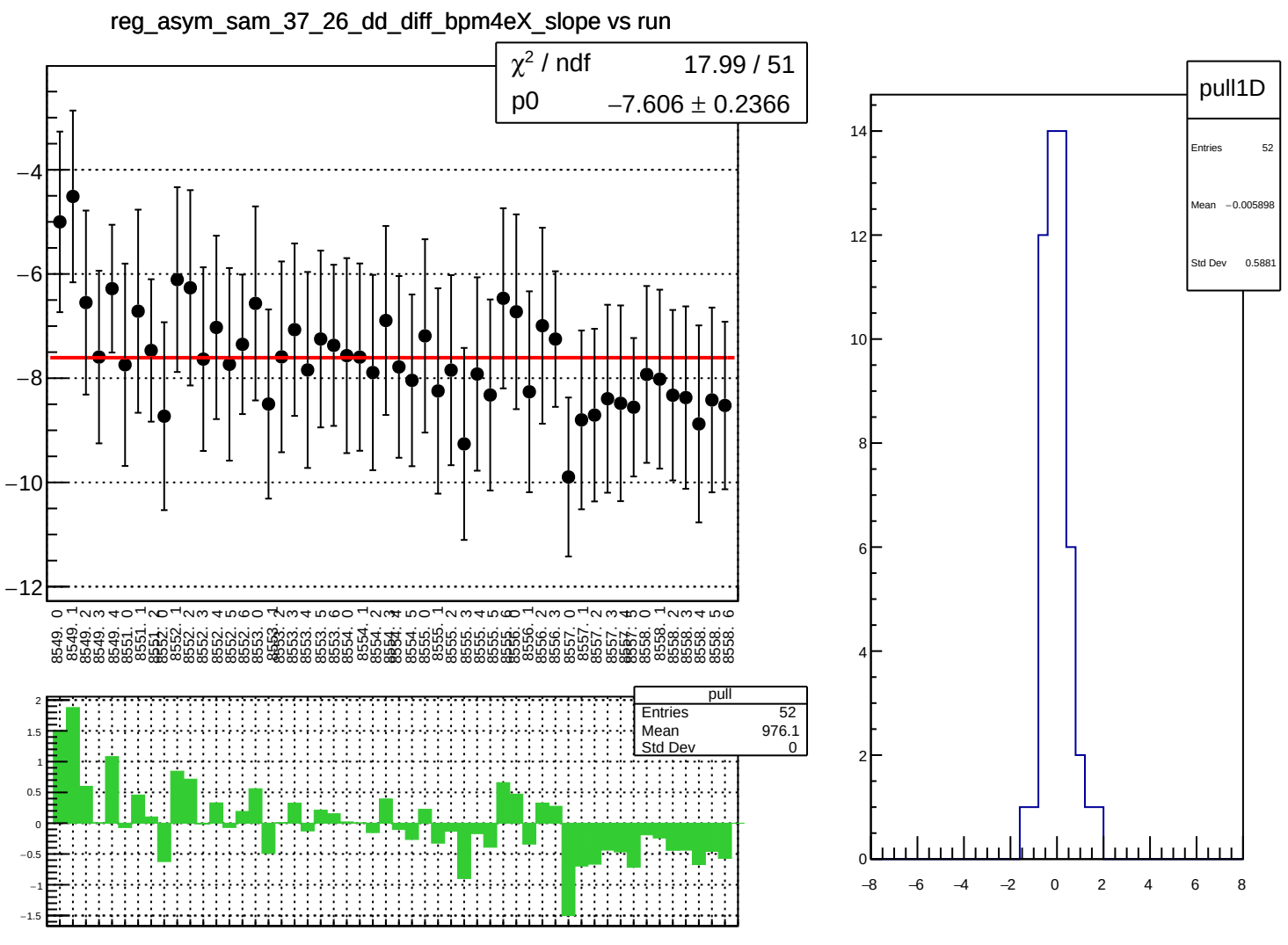

reg_asym_sam_15_26_dd_diff_bpm12X_slope vs run
χ² / ndf 8.414 / 51
p0 −1.49 ± 0.08197
pull
Entries 52
Mean 206.1
Std Dev 0

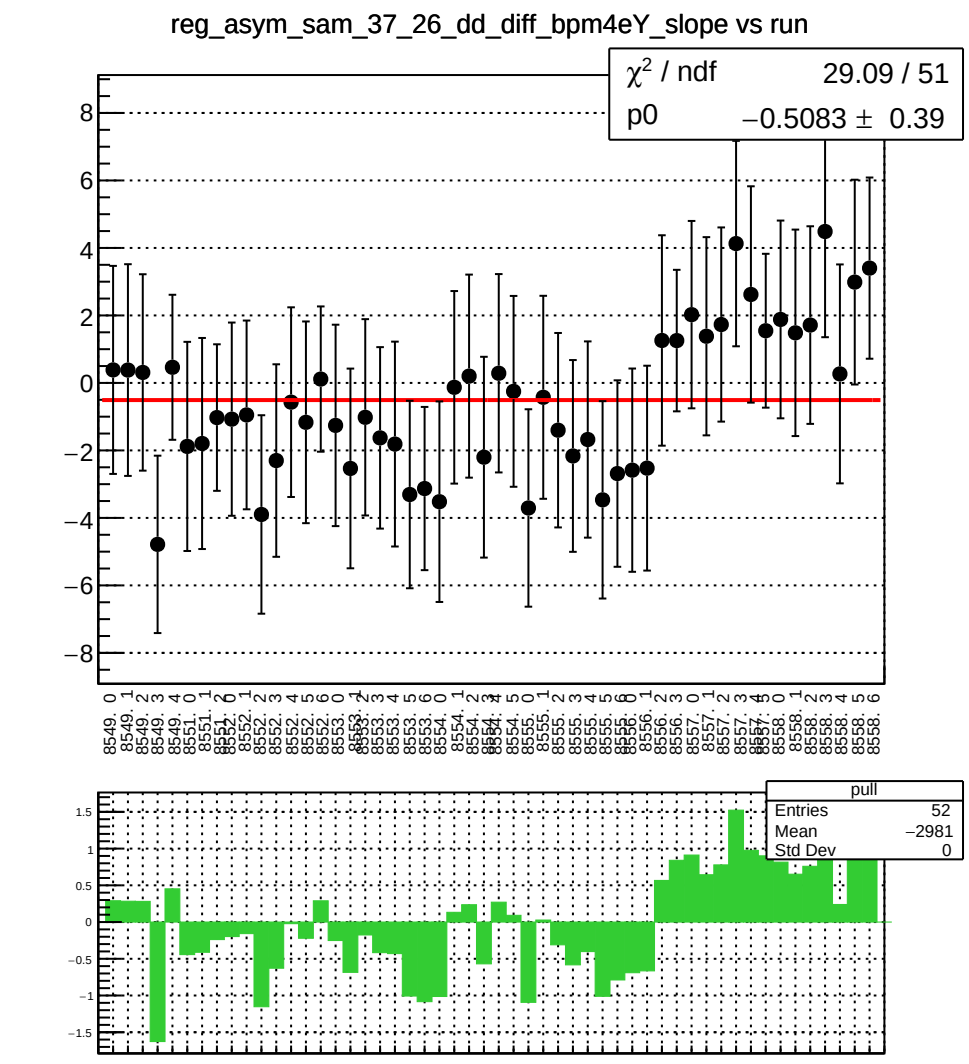

pull1D
Entries 52
Mean −0.01124
Std Dev 0.4021

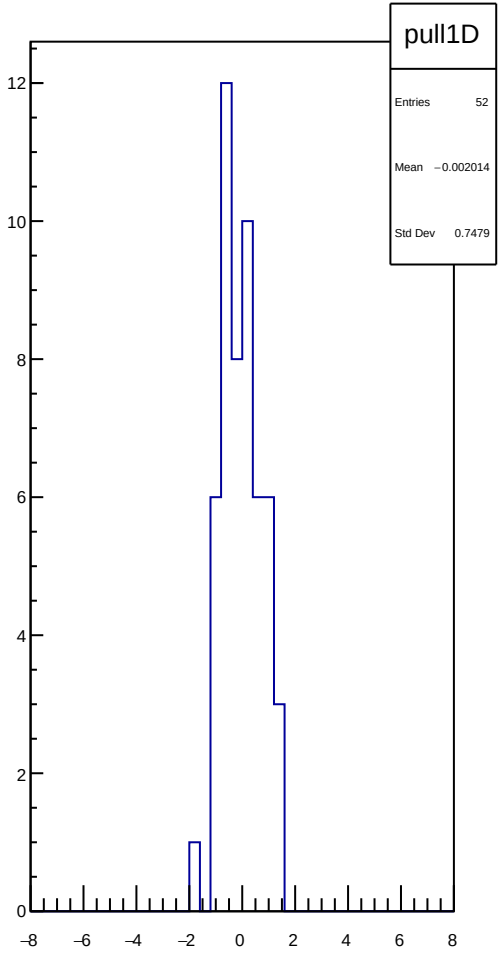

reg_asym_sam_37_26_dd_diff_bpm1X_slope vs run
χ² / ndf 11.87 / 51
p0 0.6506 ± 0.2173
pull
Entries 52
Mean −405.2
Std Dev 0
pull1D
Entries 52
Mean −0.009304
Std Dev 0.4777

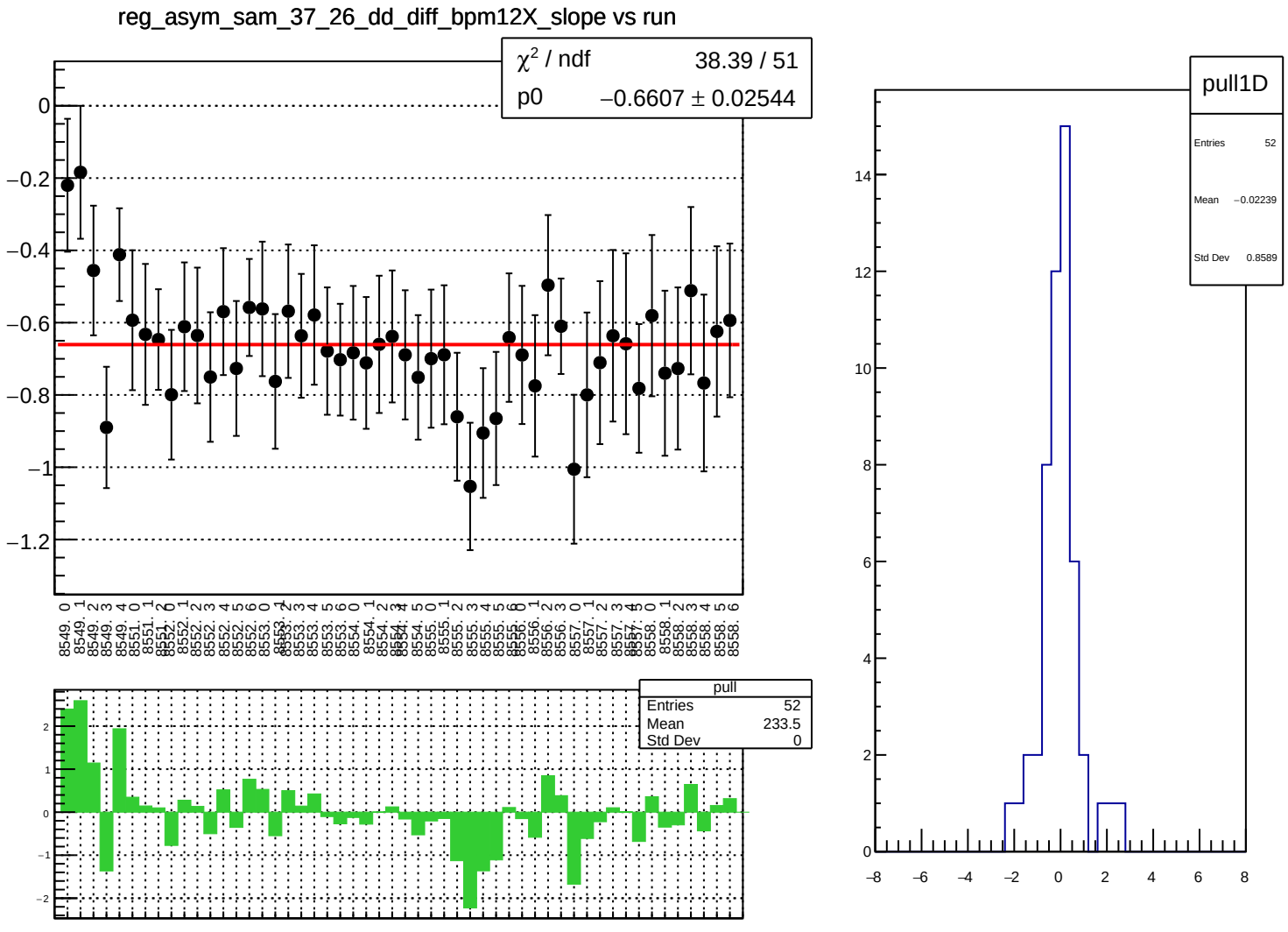

reg_asym_sam_37_26_dd_diff_bpm4aY_slope vs run
χ² / ndf 23.97 / 51
p0 20.16 ± 0.3676
pull
Entries 52
Mean 1429
Std Dev 0

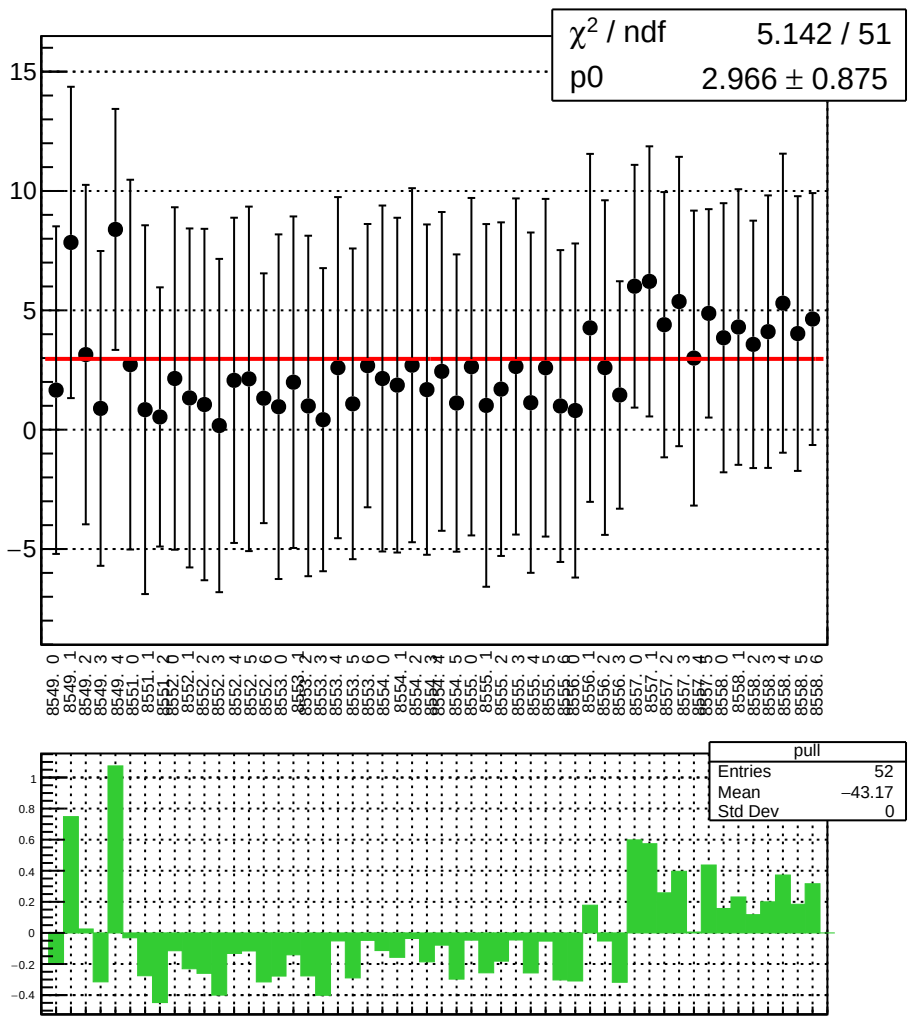

pull1D
Entries 52
Mean −0.003993
Std Dev 0.6789

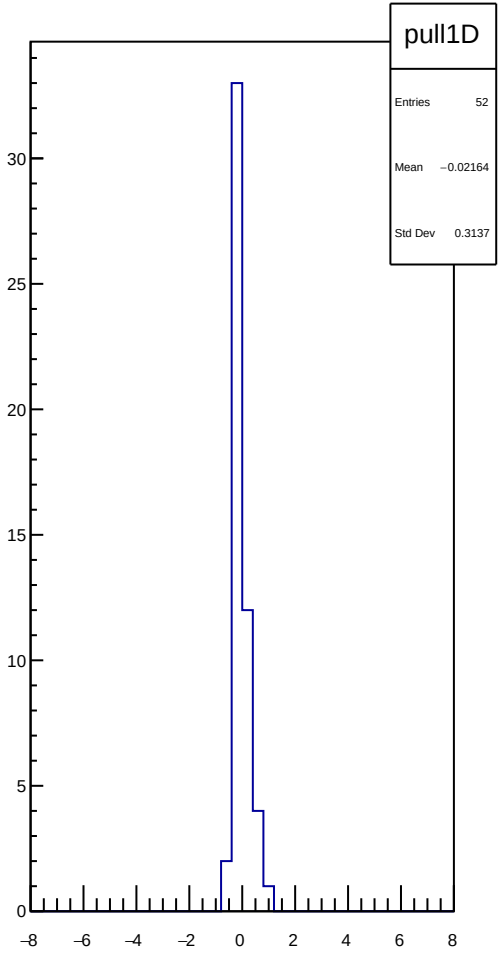

reg_asym_sam_37_26_dd_diff_bpm4eX_slope vs run
χ² / ndf 17.99 / 51
p0 −7.606 ± 0.2366
pull
Entries 52
Mean 976.1
Std Dev 0
pull1D
Entries 52
Mean −0.005898
Std Dev 0.5881

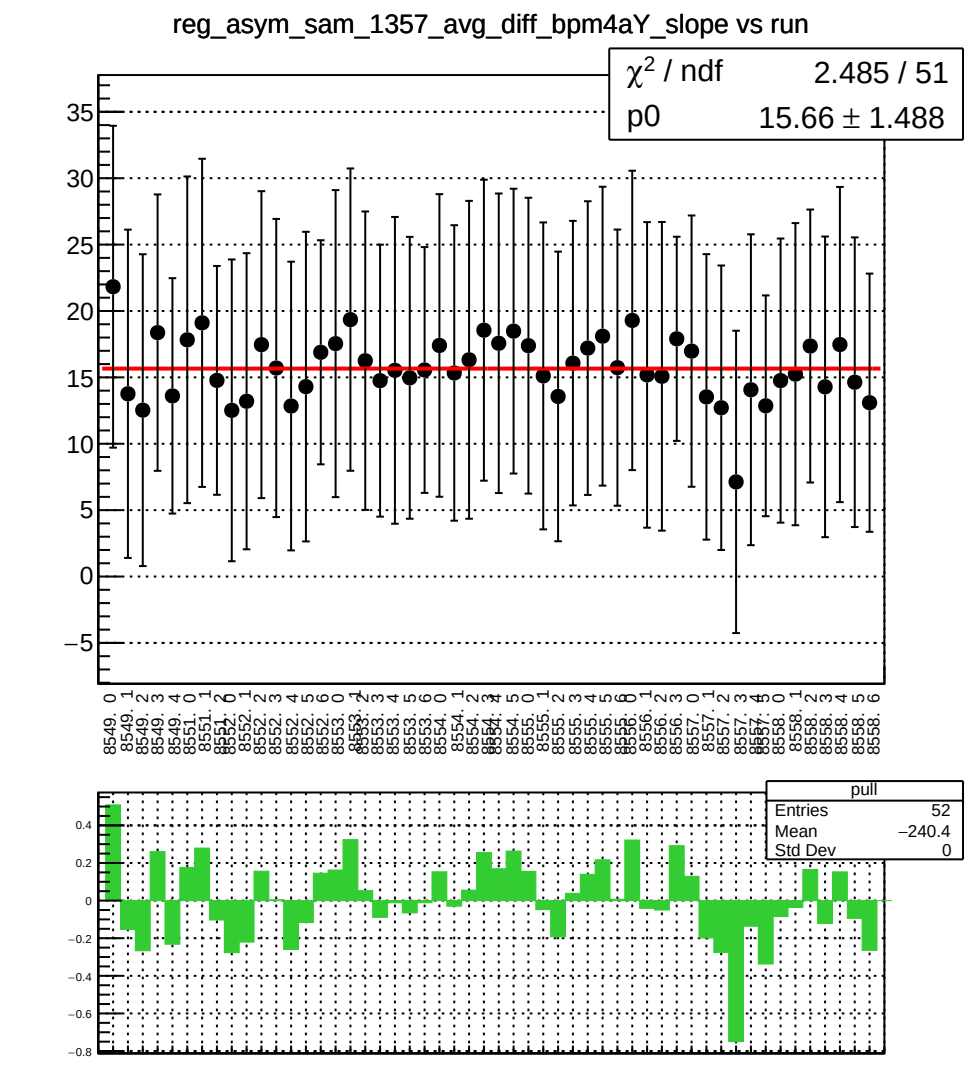

reg_asym_sam_37_26_dd_diff_bpm4eY_slope vs run
χ² / ndf 29.09 / 51
p0 −0.5083 ± 0.39
pull
Entries 52
Mean −2981
Std Dev 0

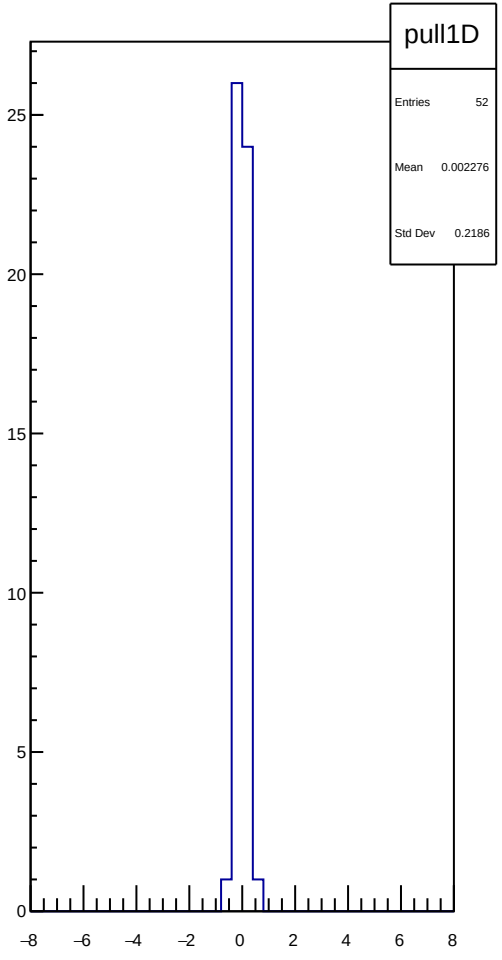

pull1D
Entries 52
Mean −0.002014
Std Dev 0.7479

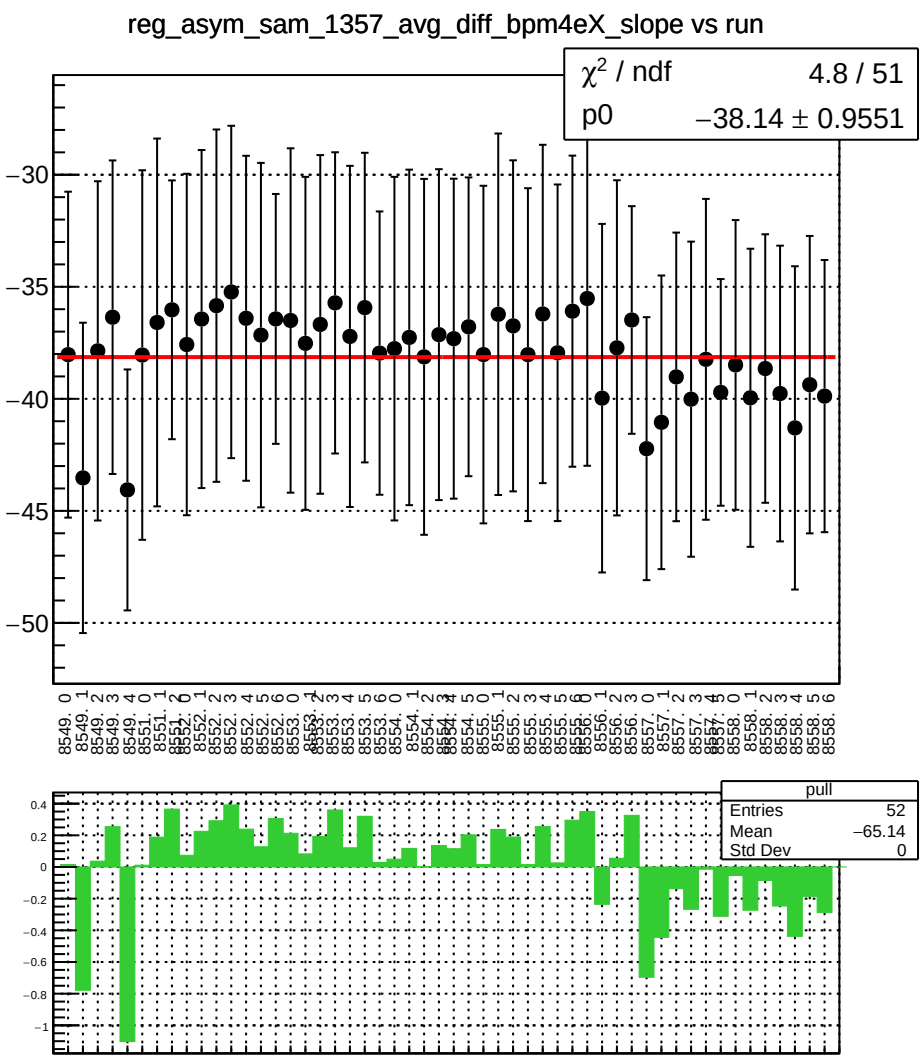

reg_asym_sam_37_26_dd_diff_bpm12X_slope vs run
χ² / ndf 38.39 / 51
p0 −0.6607 ± 0.02544
pull
Entries 52
Mean 233.5
Std Dev 0
pull1D
Entries 52
Mean −0.02239
Std Dev 0.8589

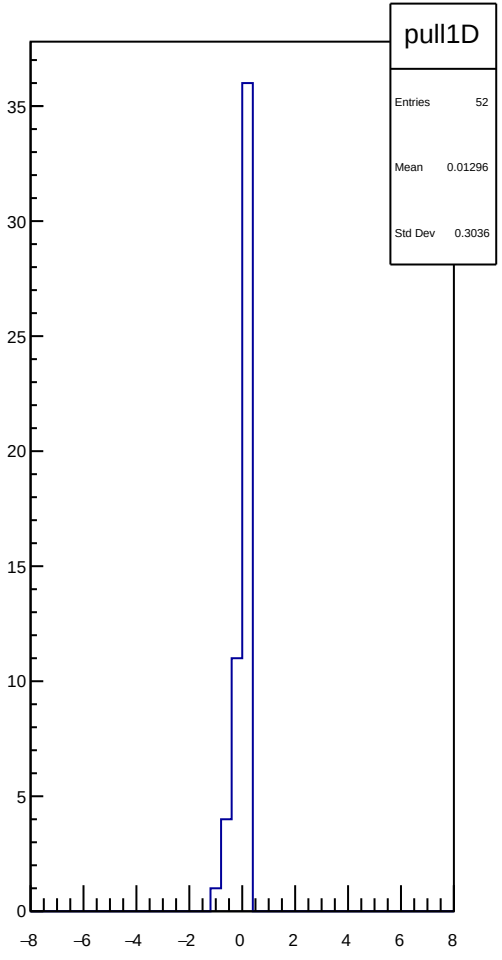

reg_asym_sam_1357_avg_diff_bpm1X_slope vs run
χ² / ndf 5.142 / 51
p0 2.966 ± 0.875
pull
Entries 52
Mean −43.17
Std Dev 0

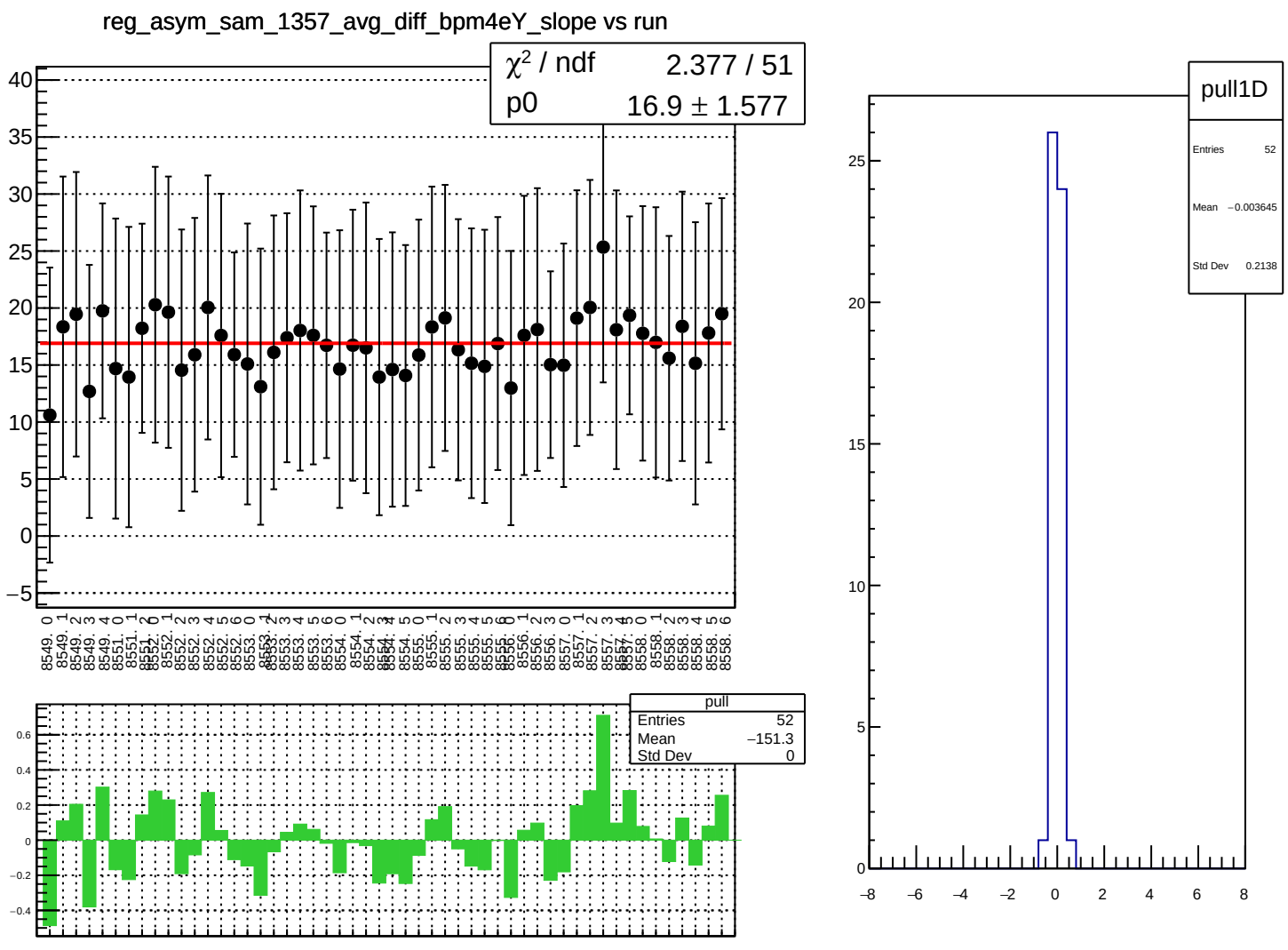

pull1D
Entries 52
Mean −0.02164
Std Dev 0.3137

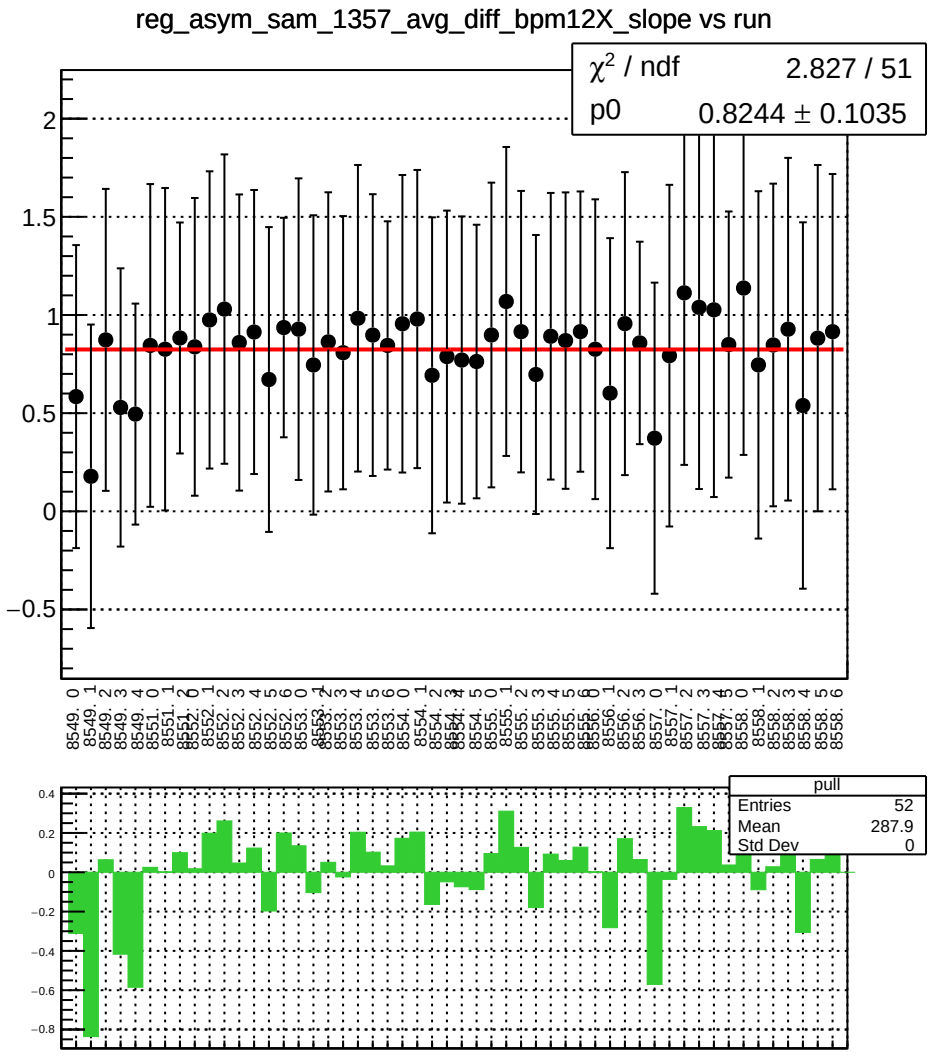

reg_asym_sam_1357_avg_diff_bpm4aY_slope vs run
χ² / ndf 2.485 / 51
p0 15.66 ± 1.488
pull
Entries 52
Mean −240.4
Std Dev 0

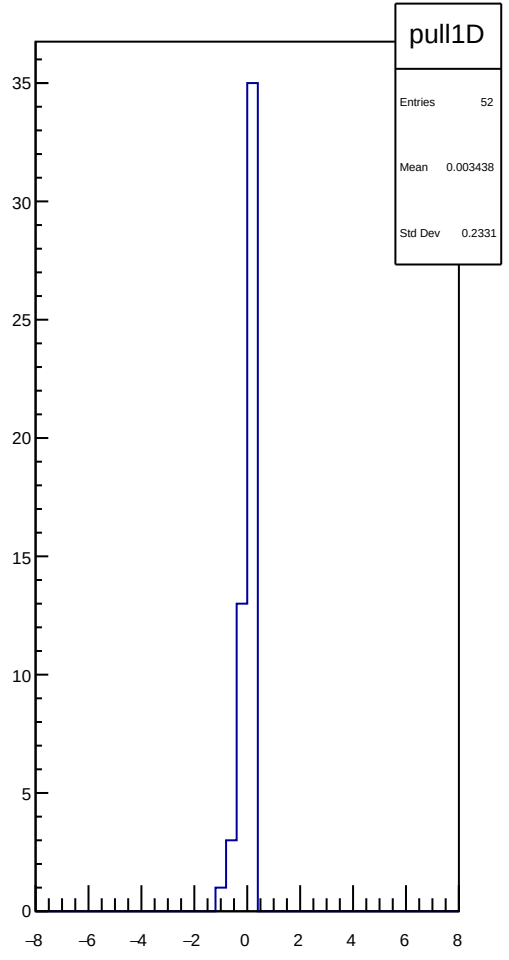

pull1D
Entries 52
Mean 0.002276
Std Dev 0.2186

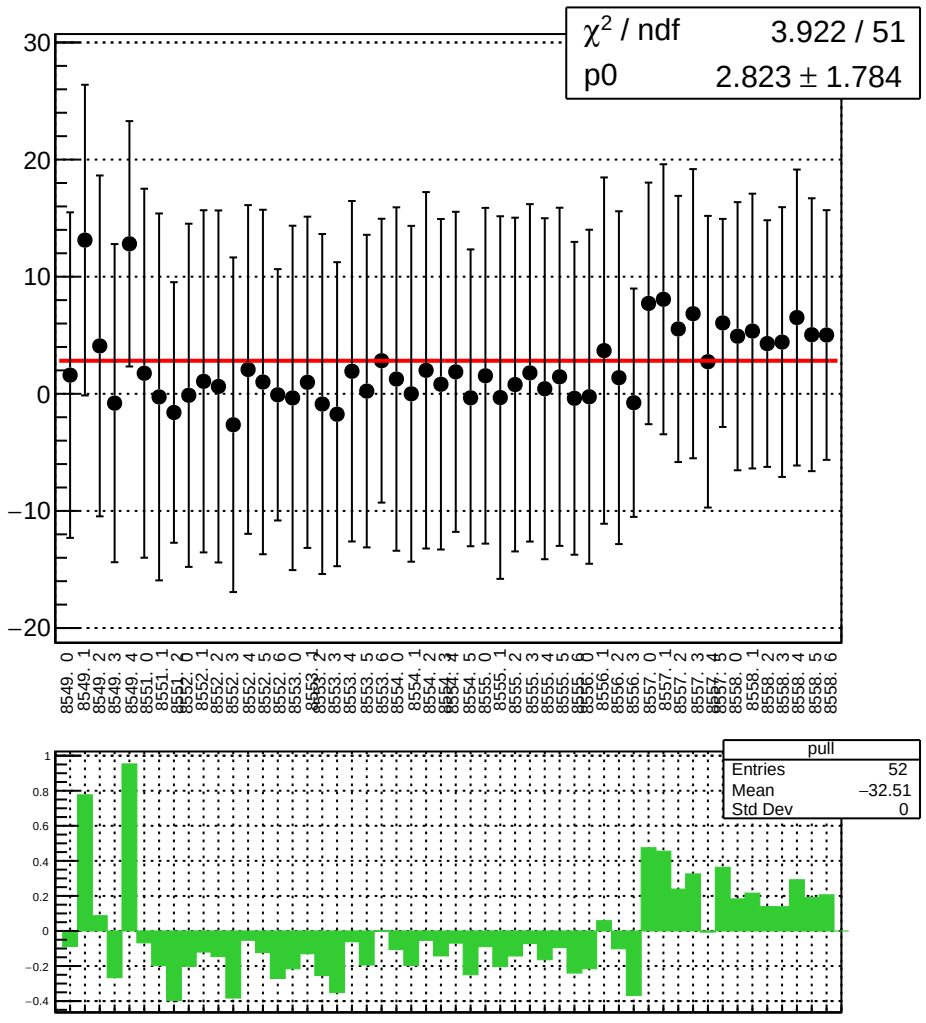

reg_asym_sam_1357_avg_diff_bpm4eX_slope vs run
χ² / ndf 4.8 / 51
p0 −38.14 ± 0.9551
pull
Entries 52
Mean −65.14
Std Dev 0

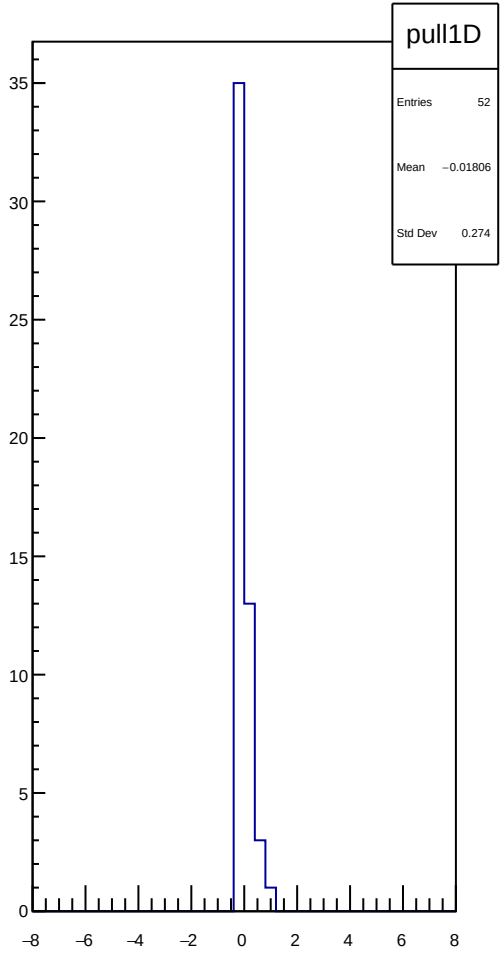

pull1D
Entries 52
Mean 0.01296
Std Dev 0.3036

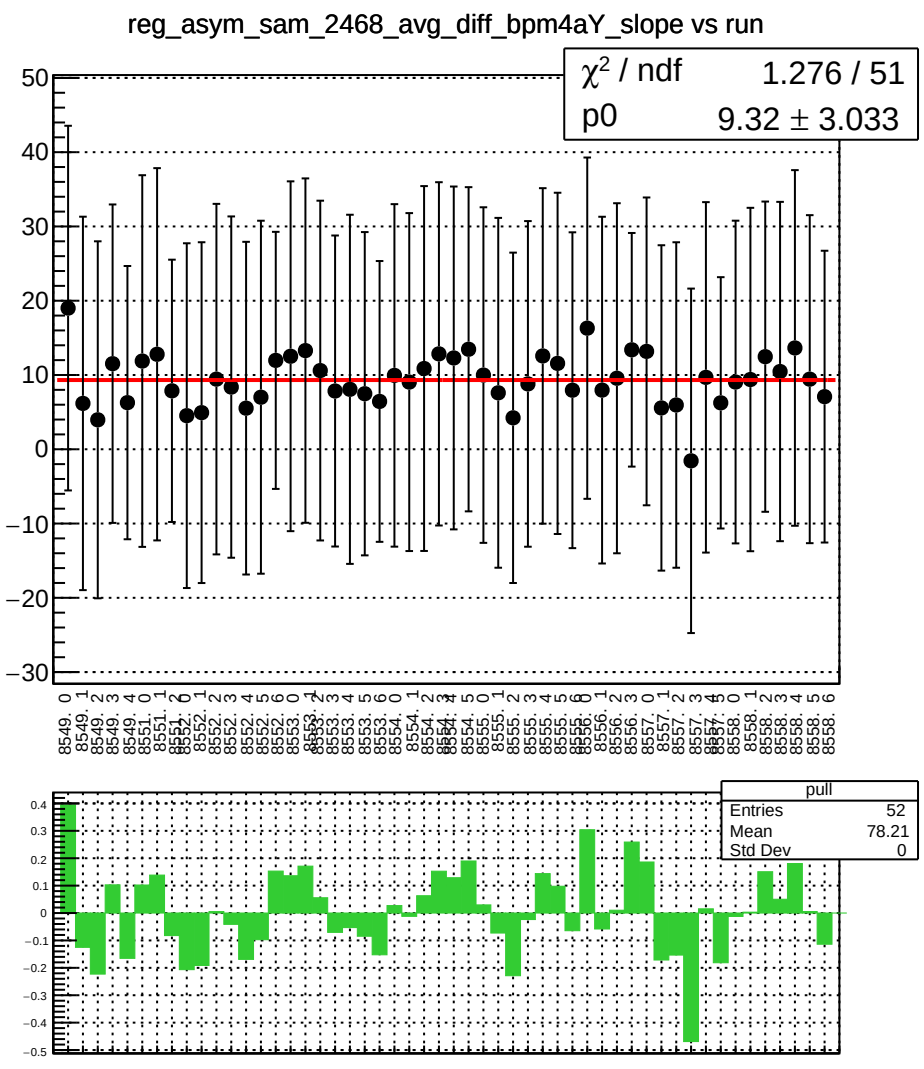

reg_asym_sam_1357_avg_diff_bpm4eY_slope vs run
χ² / ndf 2.377 / 51
p0 16.9 ± 1.577
pull
Entries 52
Mean −151.3
Std Dev 0
pull1D
Entries 52
Mean −0.003645
Std Dev 0.2138

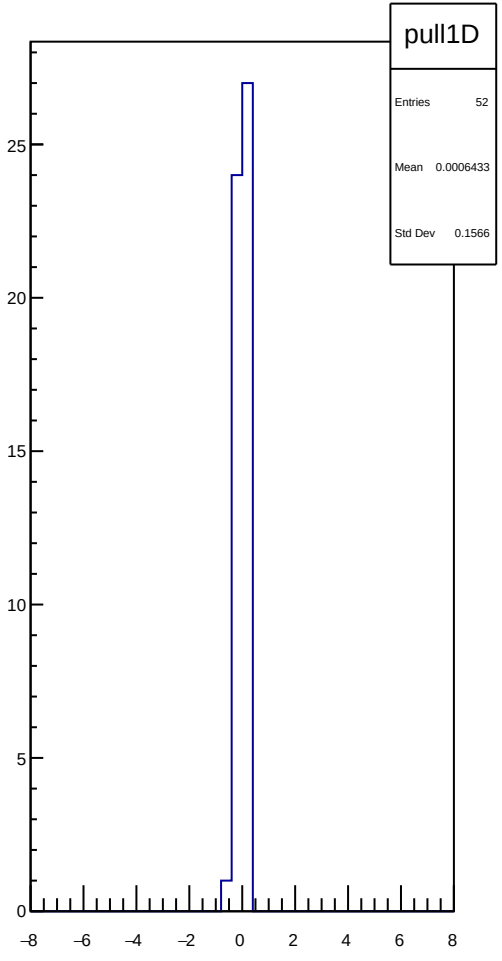

reg_asym_sam_1357_avg_diff_bpm12X_slope vs run
χ² / ndf 2.827 / 51
p0 0.8244 ± 0.1035
pull
Entries 52
Mean 287.9
Std Dev 0

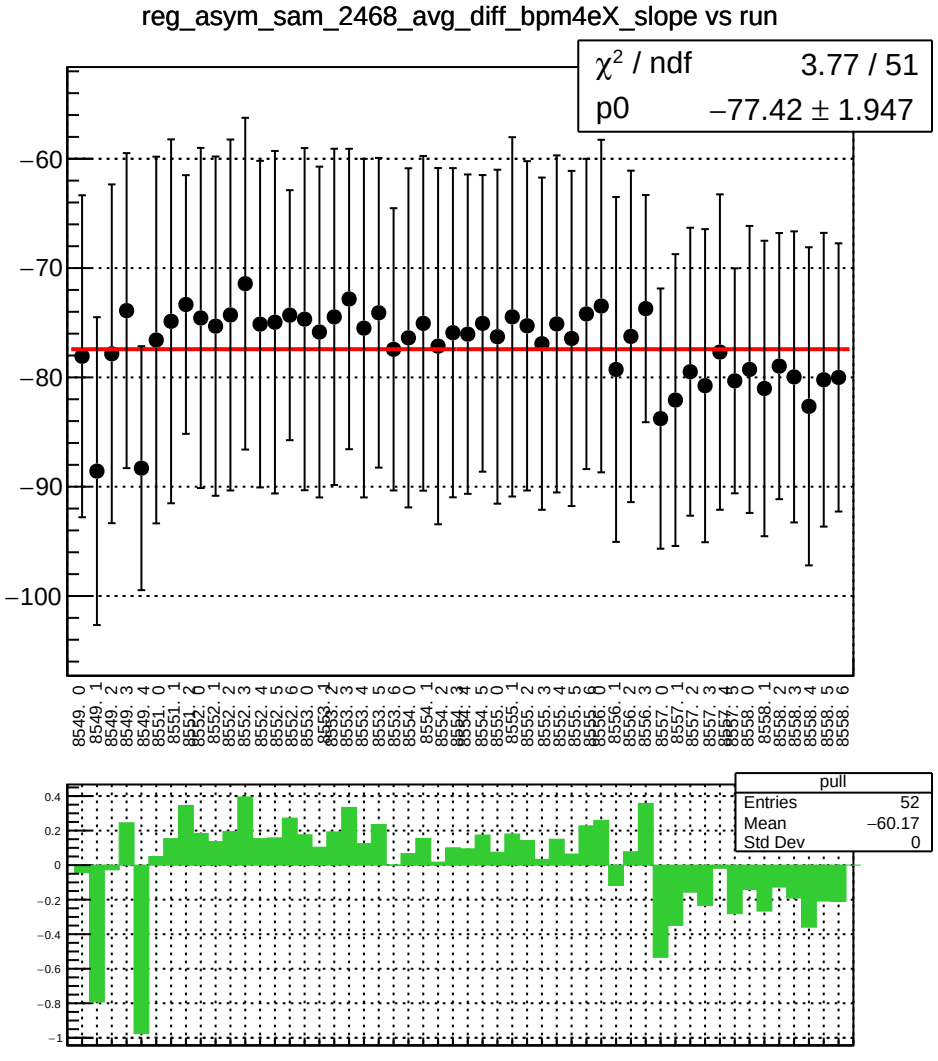

pull1D
Entries 52
Mean 0.003438
Std Dev 0.2331

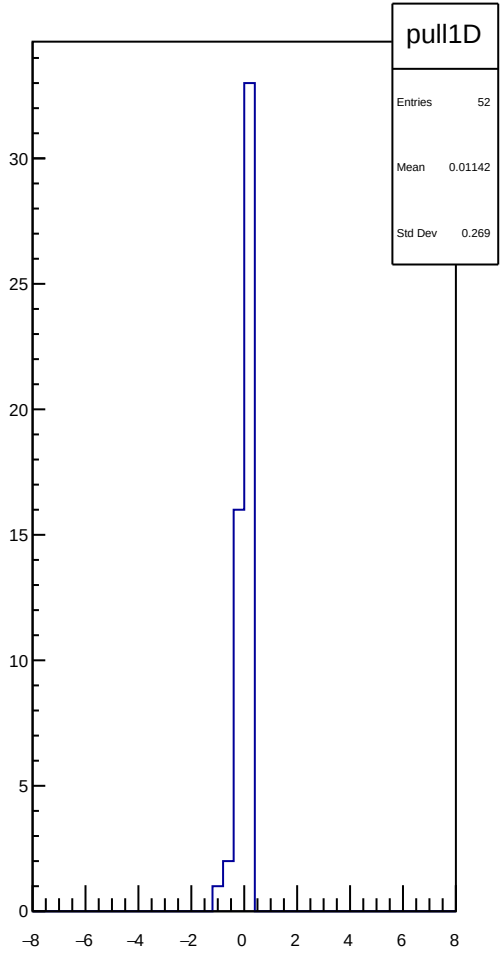

reg_asym_sam_2468_avg_diff_bpm1X_slope vs run
χ² / ndf 3.922 / 51
p0 2.823 ± 1.784
pull
Entries 52
Mean −32.51
Std Dev 0

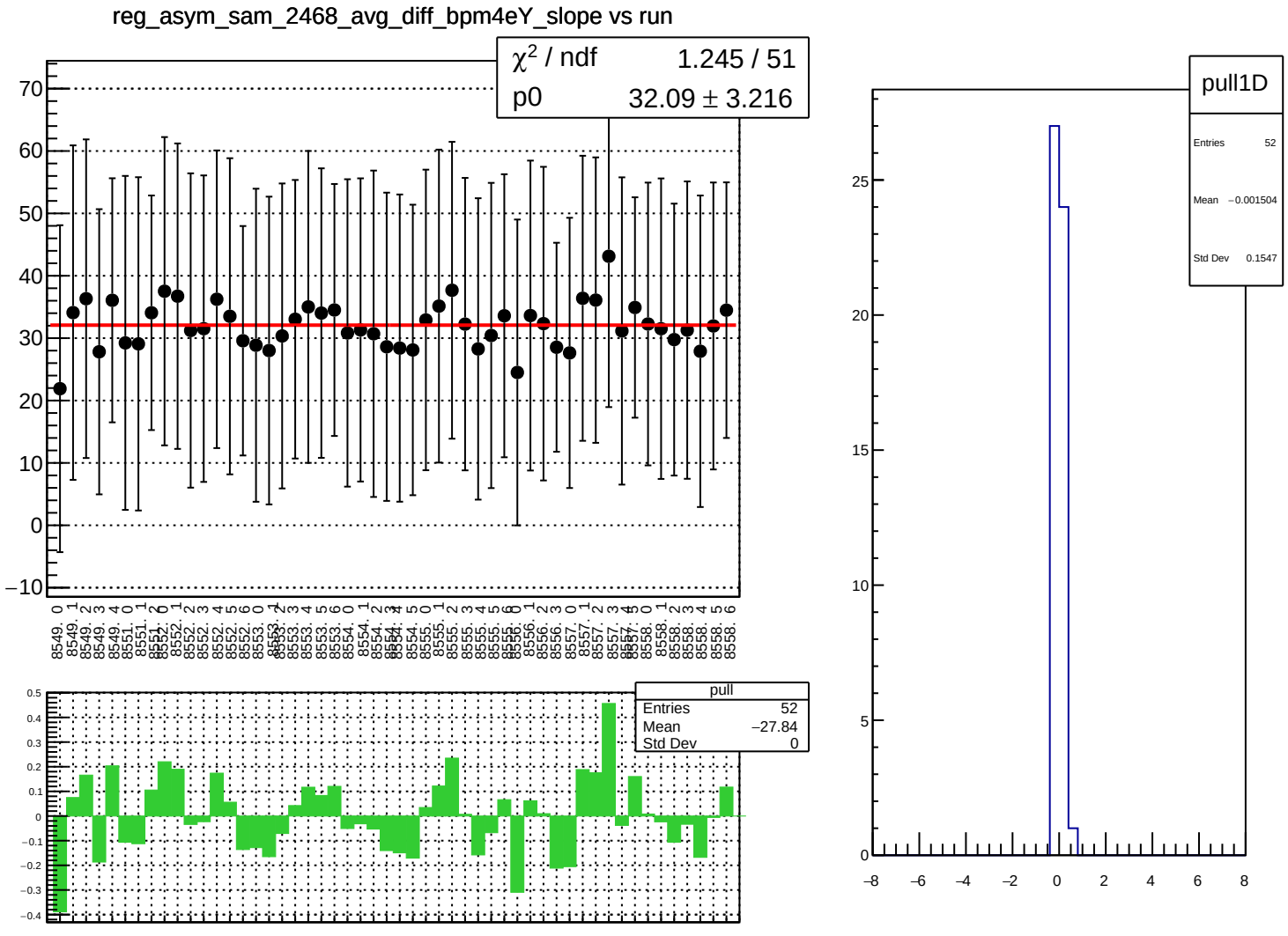

pull1D
Entries 52
Mean −0.01806
Std Dev 0.274

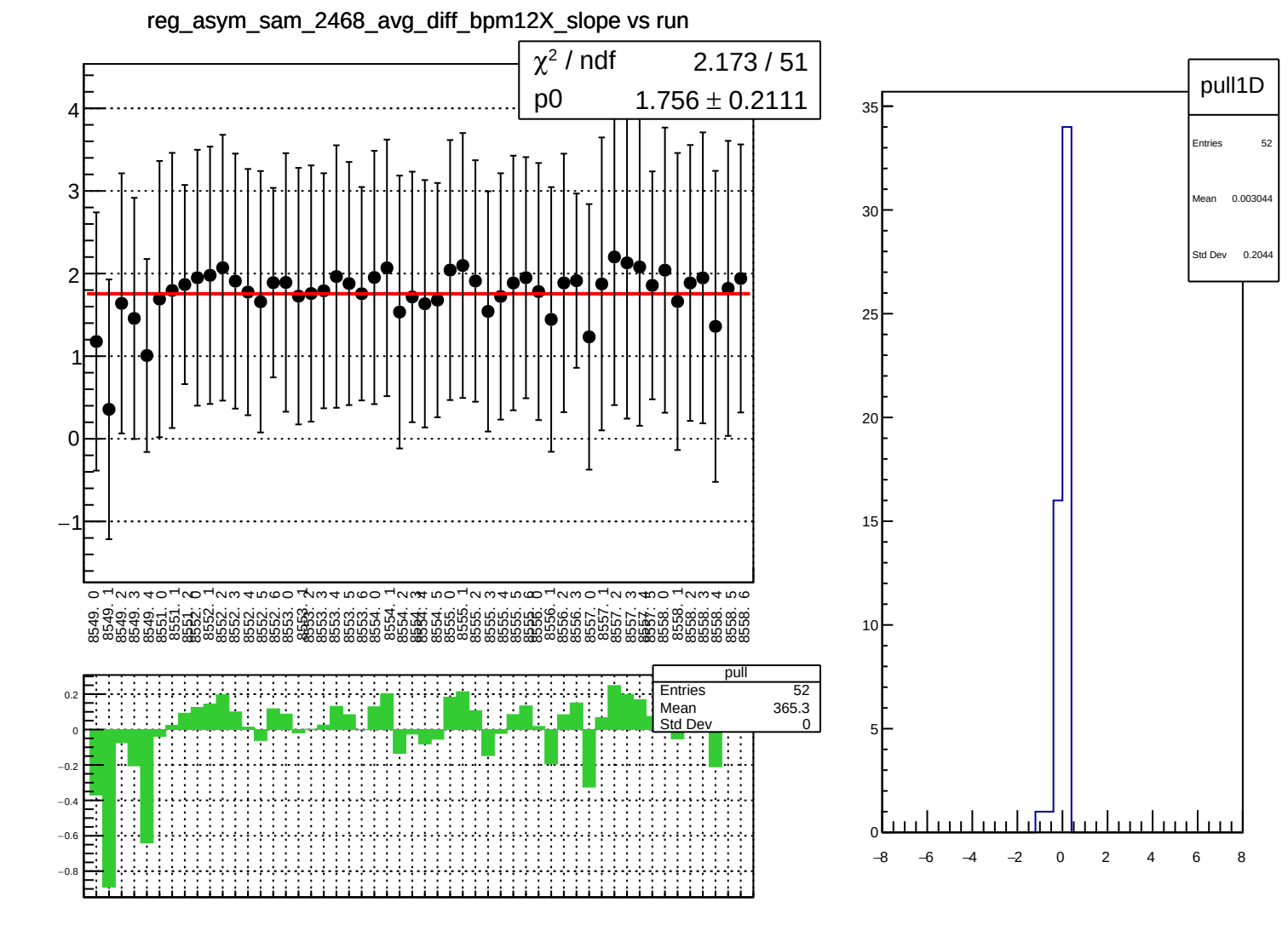

reg_asym_sam_2468_avg_diff_bpm4aY_slope vs run
χ² / ndf 1.276 / 51
p0 9.32 ± 3.033
pull
Entries 52
Mean 78.21
Std Dev 0

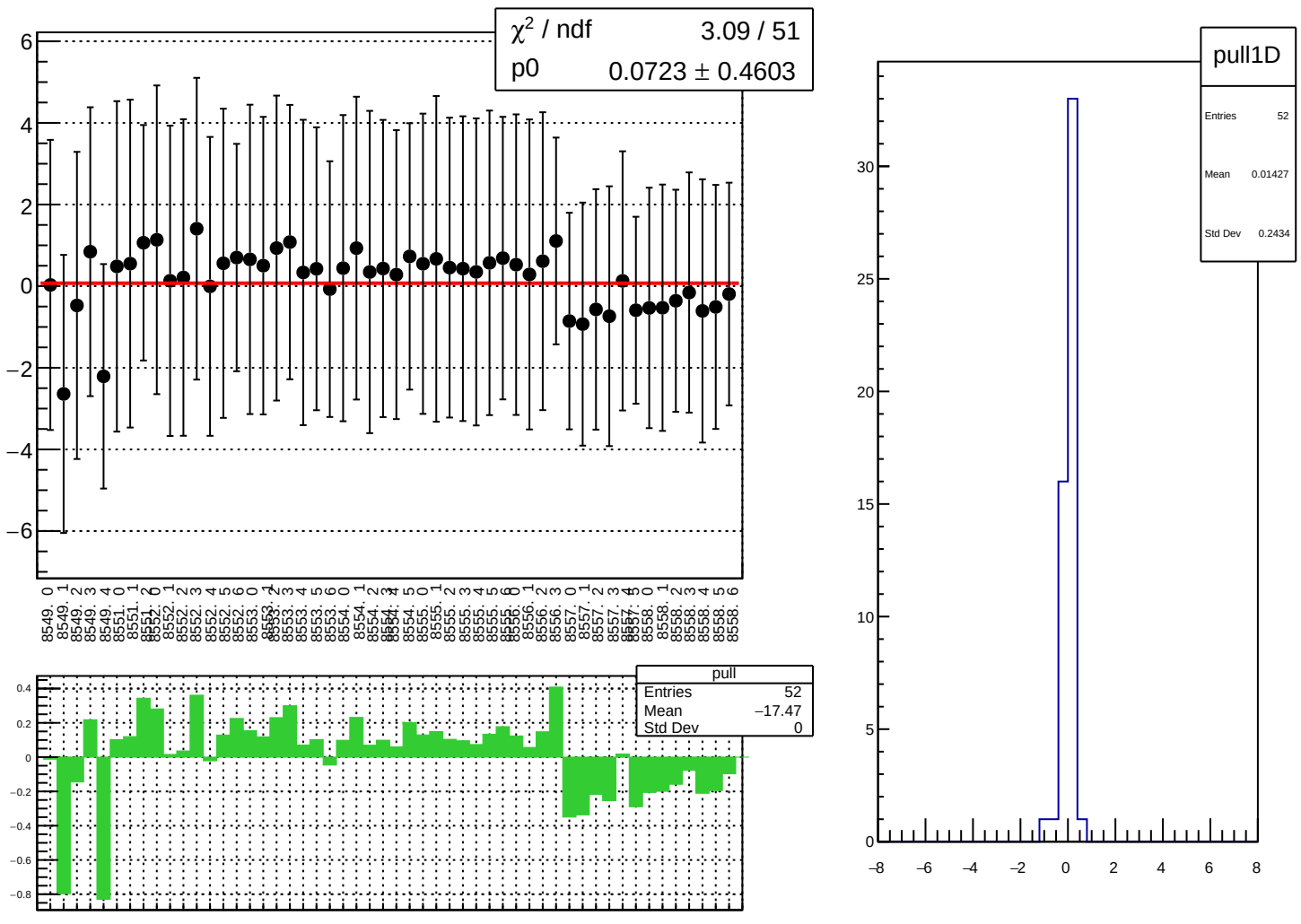

pull1D
Entries 52
Mean 0.0006433
Std Dev 0.1566

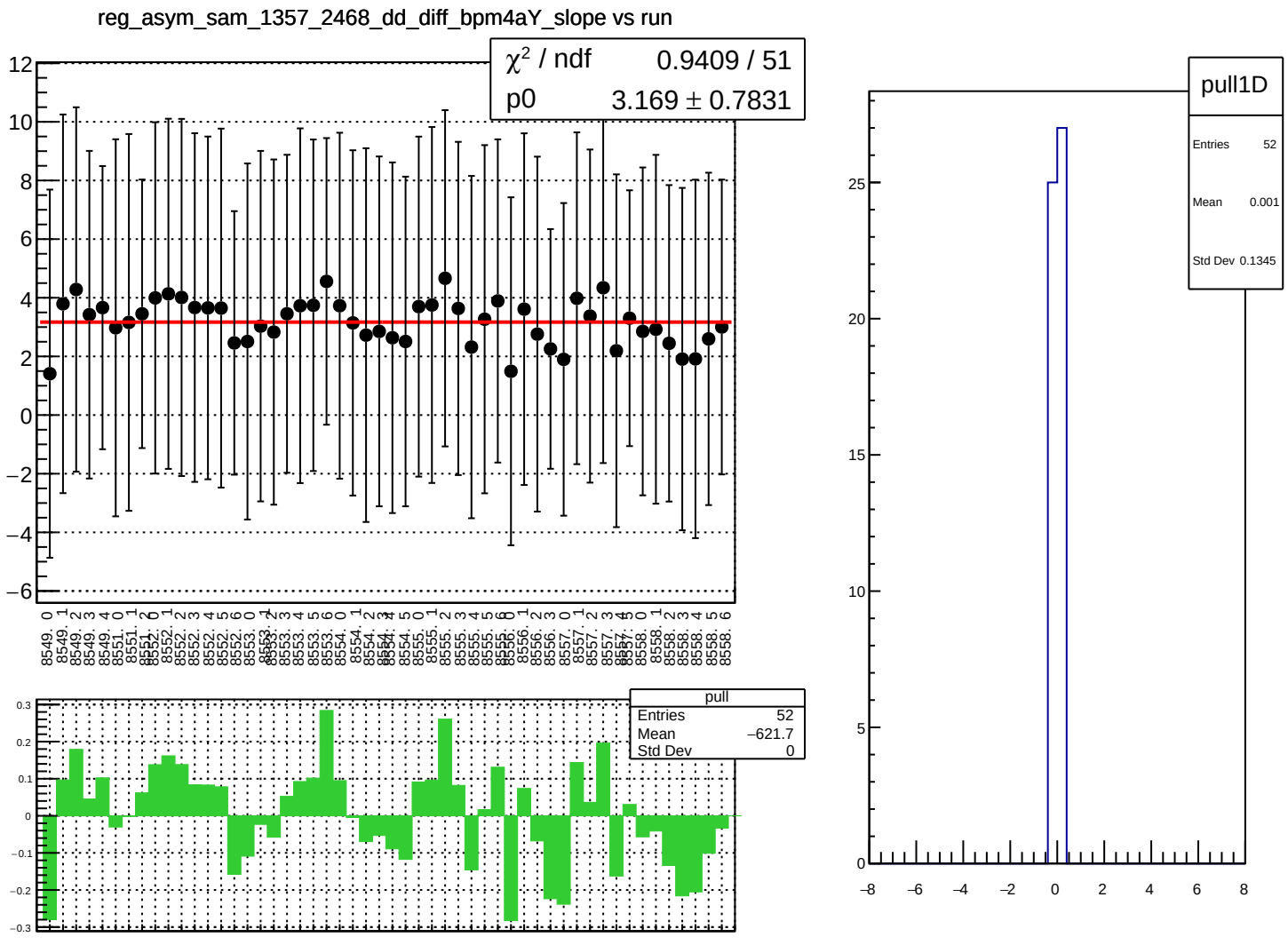

reg_asym_sam_2468_avg_diff_bpm4eX_slope vs run
χ² / ndf 3.77 / 51
p0 −77.42 ± 1.947
pull
Entries 52
Mean −60.17
Std Dev 0

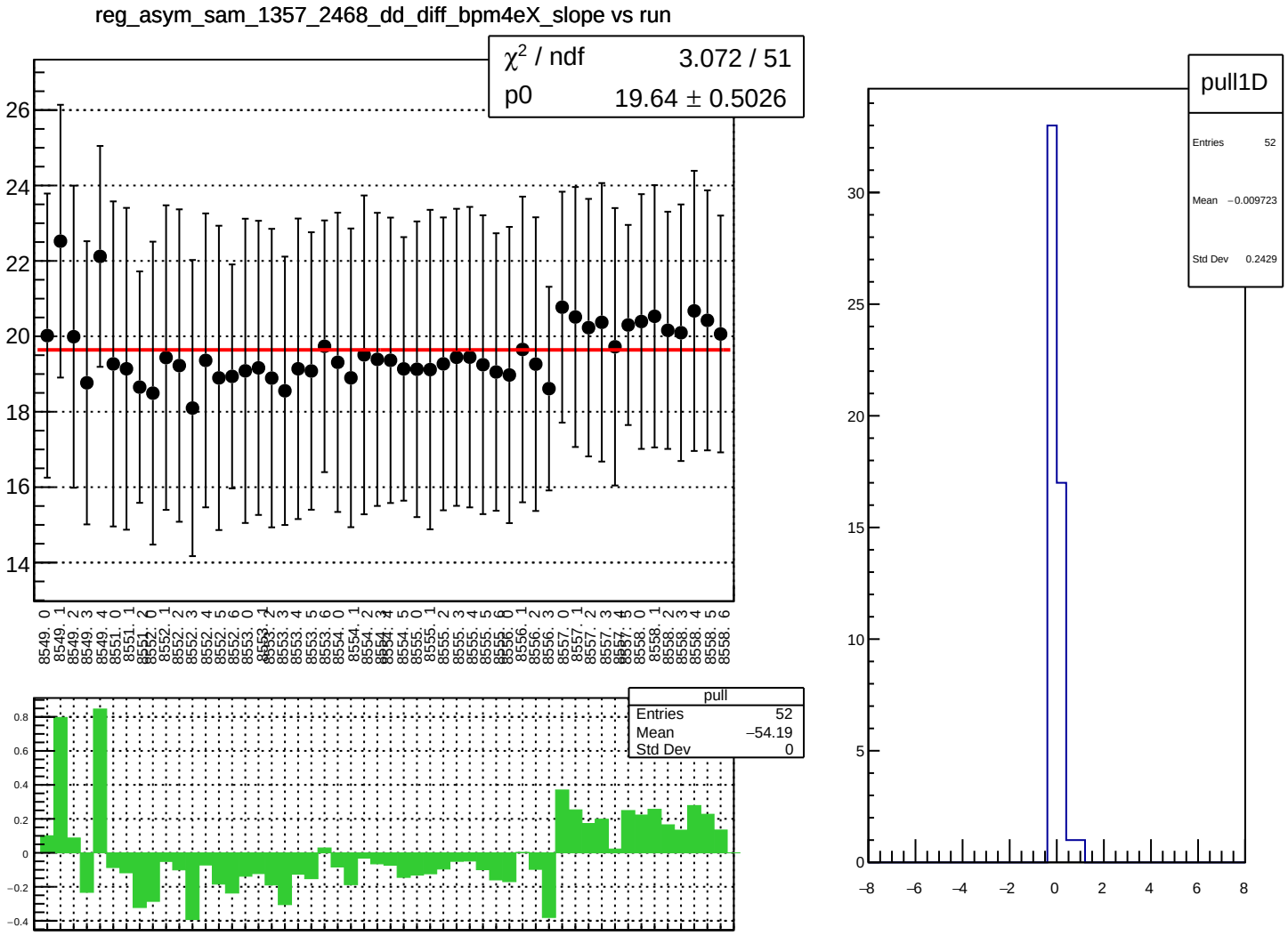

pull1D
Entries 52
Mean 0.01142
Std Dev 0.269

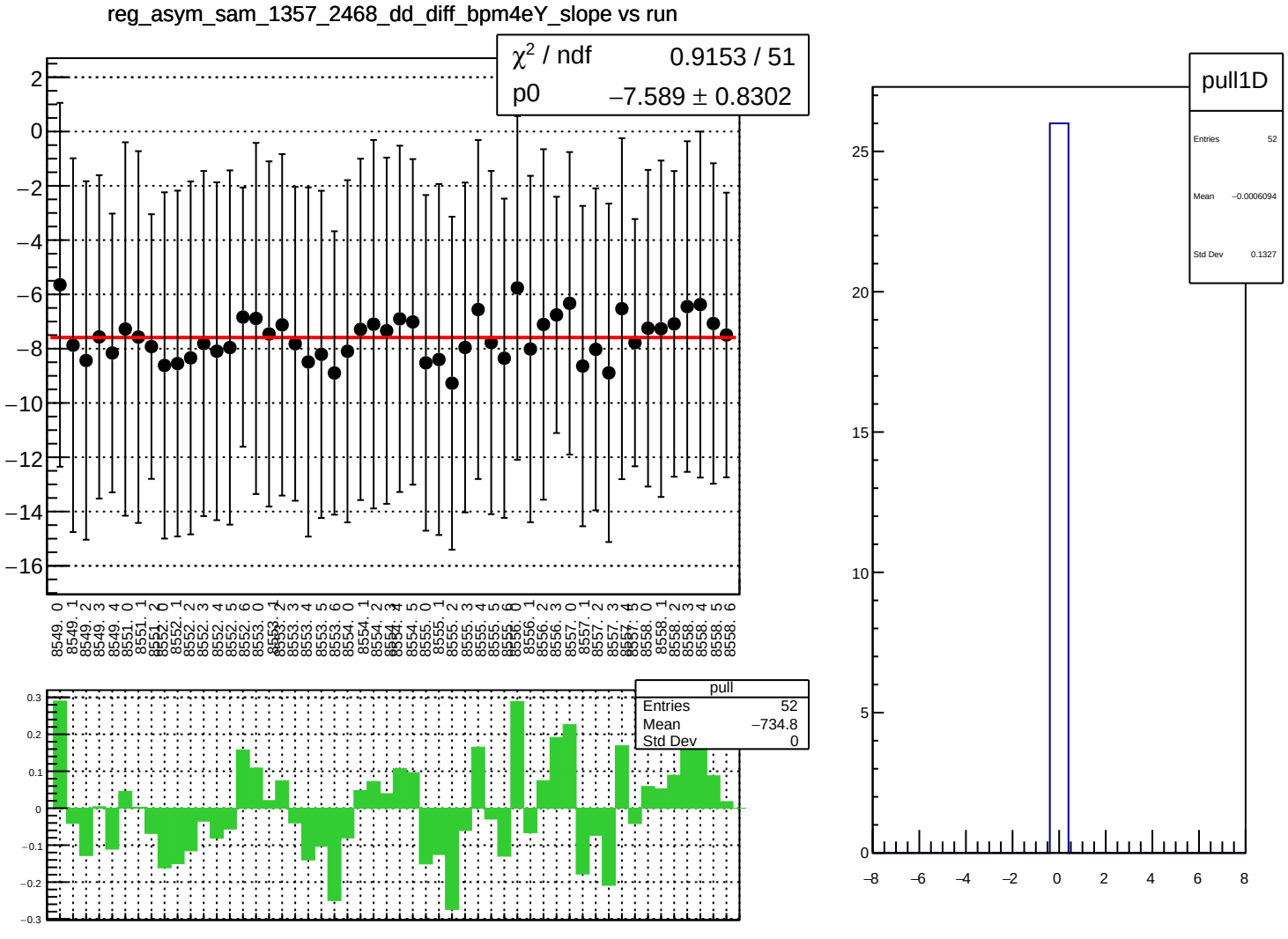

reg_asym_sam_2468_avg_diff_bpm4eY_slope vs run
χ² / ndf 1.245 / 51
p0 32.09 ± 3.216
pull
Entries 52
Mean −27.84
Std Dev 0
pull1D
Entries 52
Mean −0.001504
Std Dev 0.1547

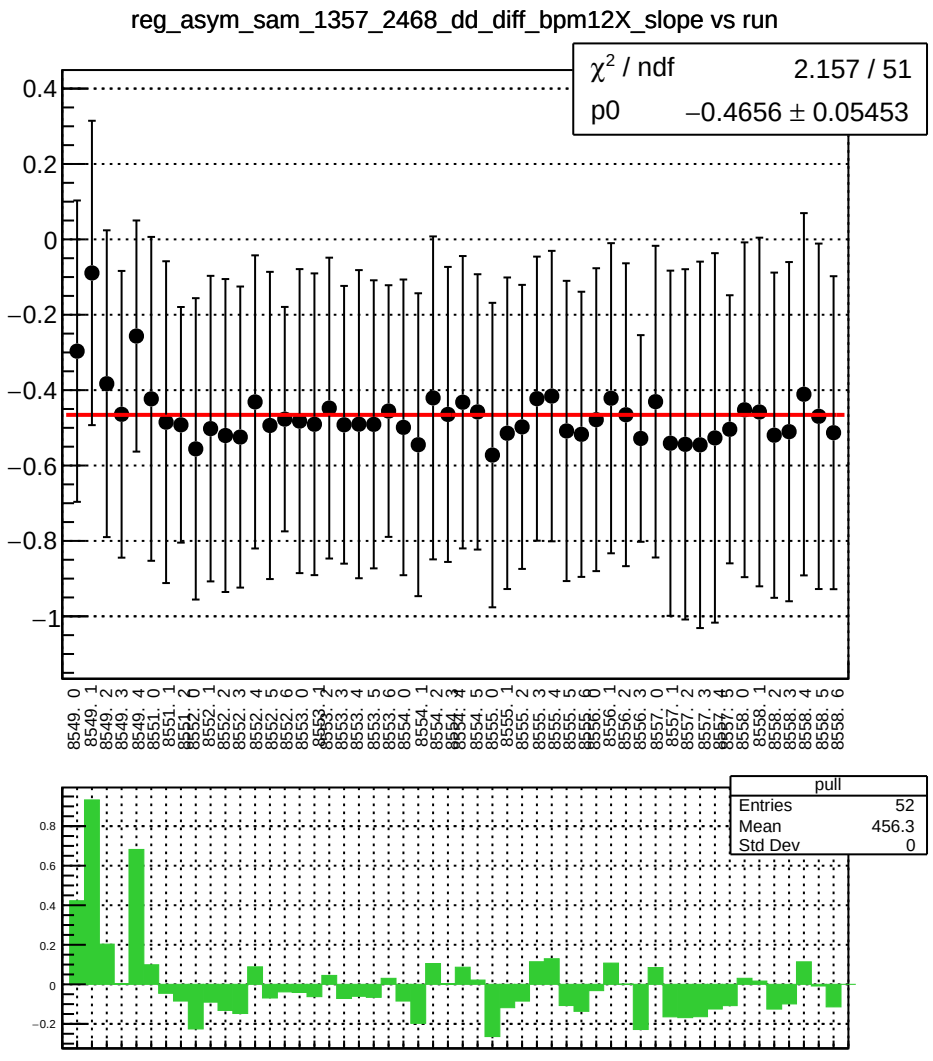

reg_asym_sam_2468_avg_diff_bpm12X_slope vs run
χ² / ndf 2.173 / 51
p0 1.756 ± 0.2111
pull
Entries 52
Mean 365.3
Std Dev 0
pull1D
Entries 52
Mean 0.003044
Std Dev 0.2044

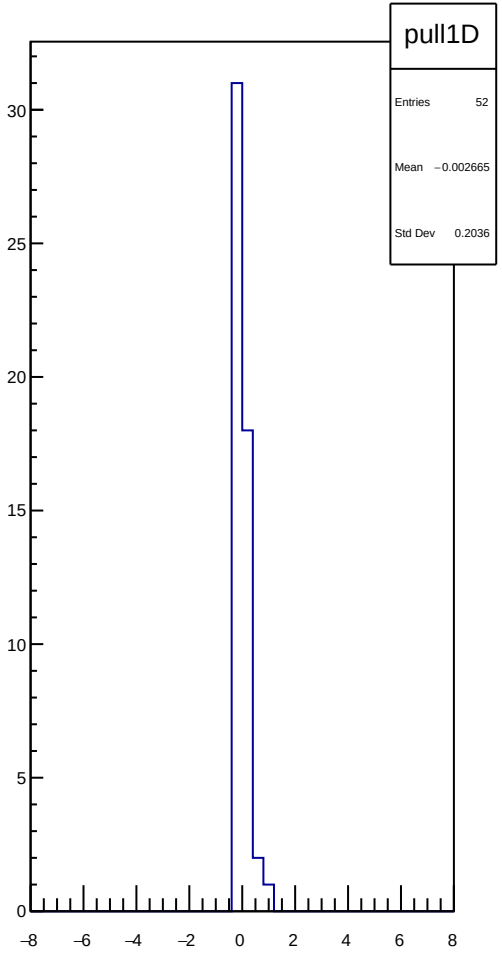

reg_asym_sam_1357_2468_dd_diff_bpm1X_slope vs run
χ² / ndf 3.09 / 51
p0 0.0723 ± 0.4603
pull
Entries 52
Mean −17.47
Std Dev 0
pull1D
Entries 52
Mean 0.01427
Std Dev 0.2434

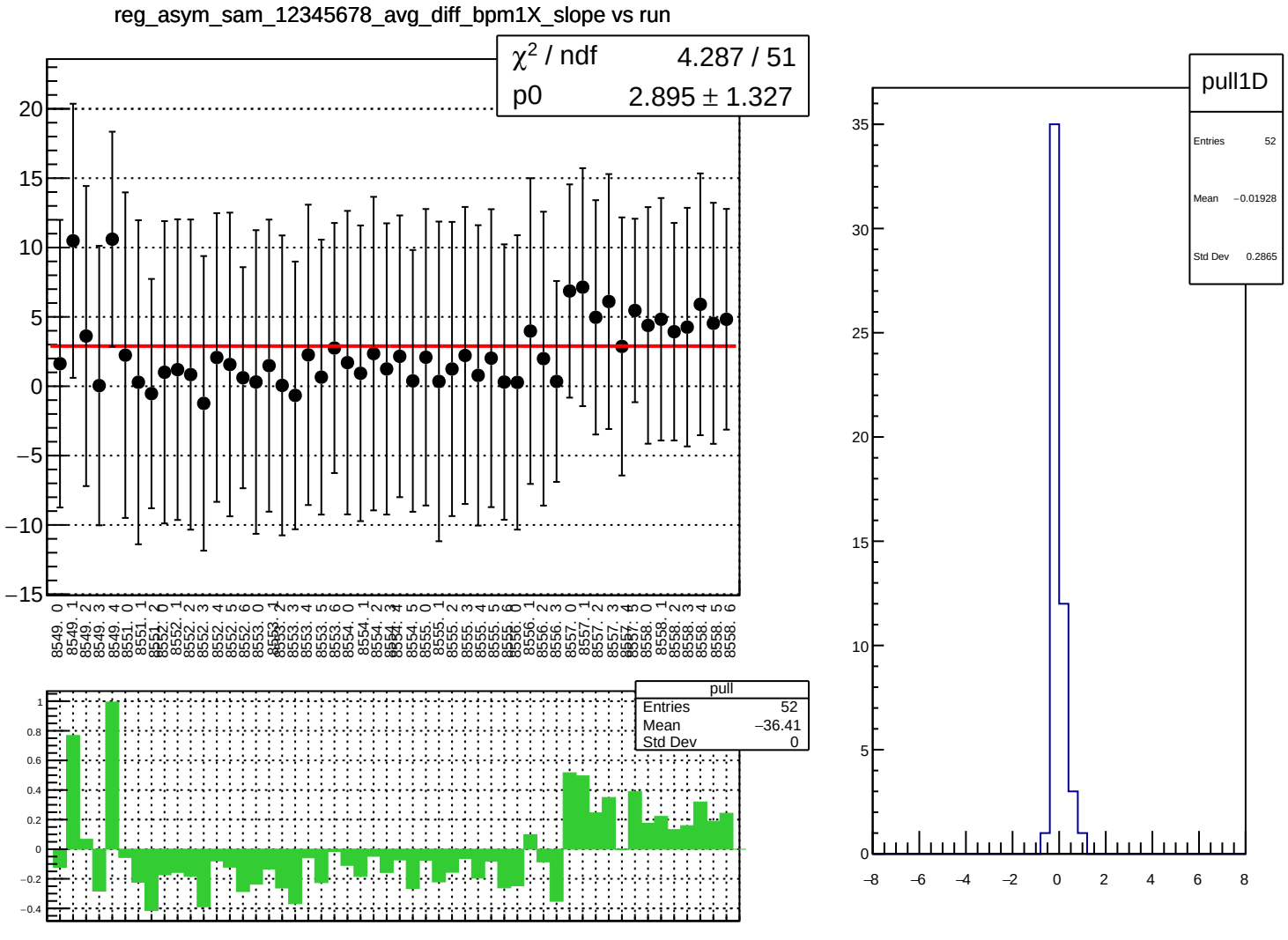

reg_asym_sam_1357_2468_dd_diff_bpm4aY_slope vs run
χ² / ndf 0.9409 / 51
p0 3.169 ± 0.7831
pull
Entries 52
Mean −621.7
Std Dev 0
pull1D
Entries 52
Mean 0.001
Std Dev 0.1345

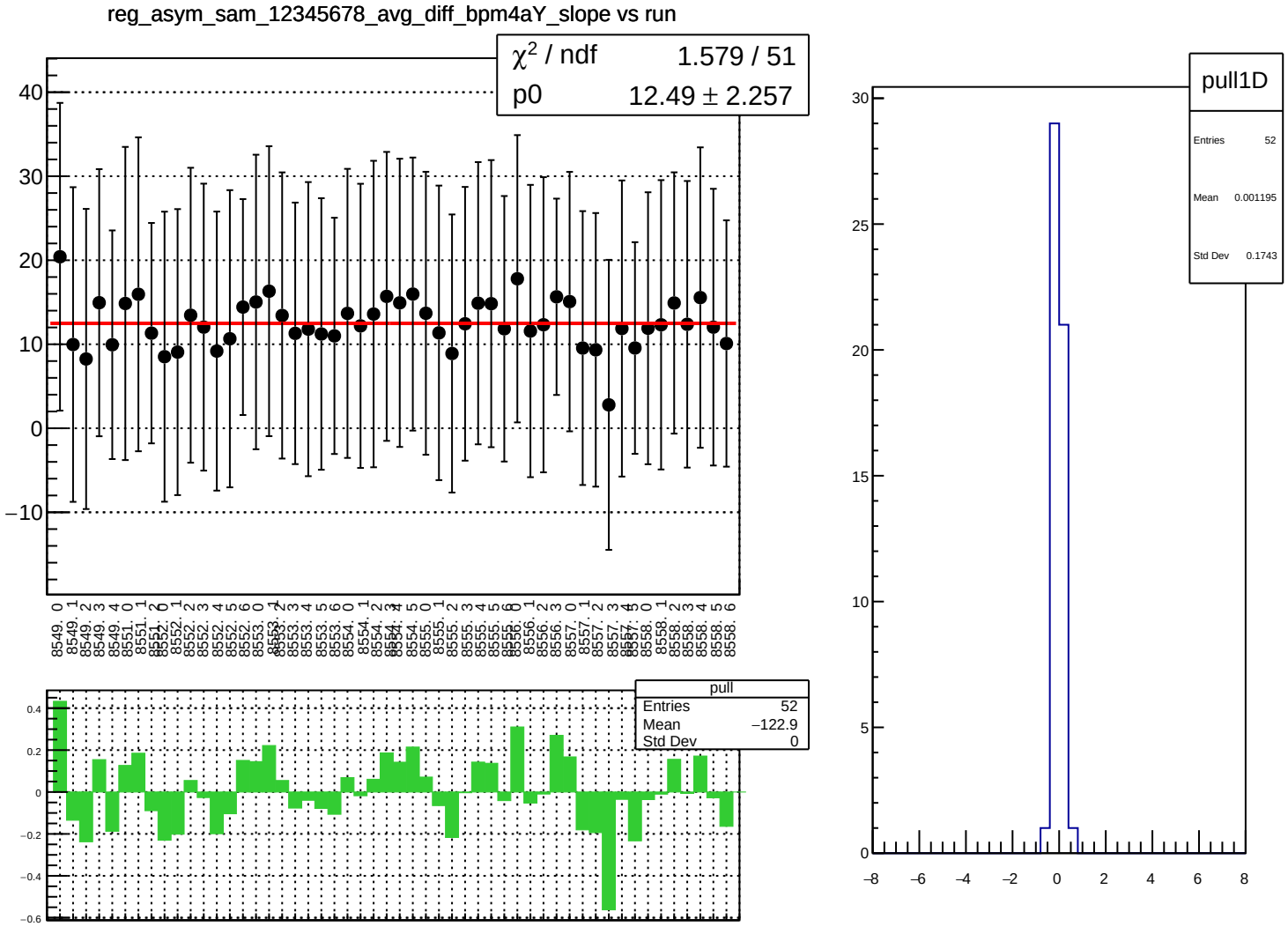

reg_asym_sam_1357_2468_dd_diff_bpm4eX_slope vs run
χ² / ndf 3.072 / 51
p0 19.64 ± 0.5026
pull
Entries 52
Mean −54.19
Std Dev 0
pull1D
Entries 52
Mean −0.009723
Std Dev 0.2429

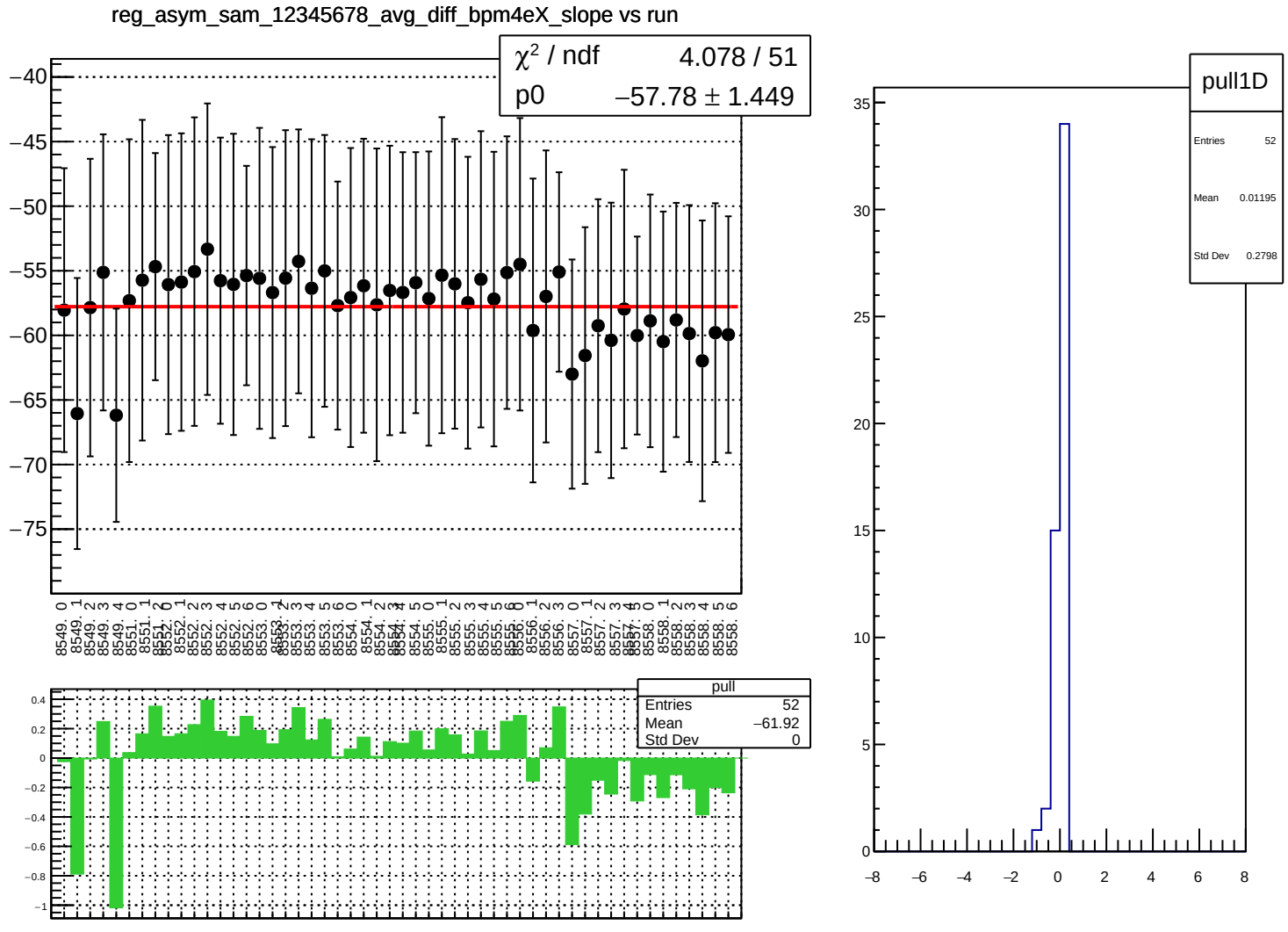

reg_asym_sam_1357_2468_dd_diff_bpm4eY_slope vs run
χ² / ndf 0.9153 / 51
p0 −7.589 ± 0.8302
pull
Entries 52
Mean −734.8
Std Dev 0
pull1D
Entries 52
Mean −0.0006094
Std Dev 0.1327

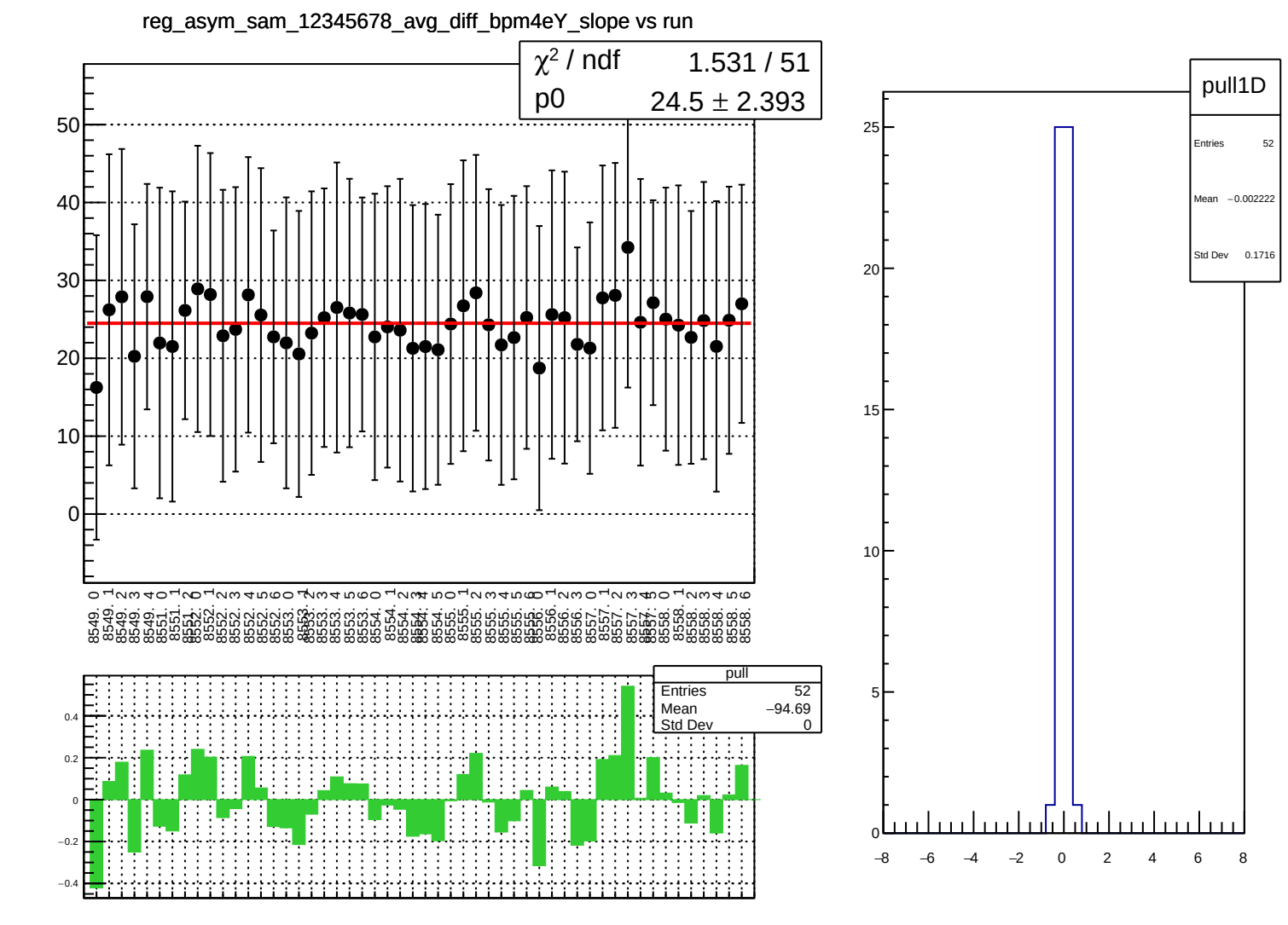

reg_asym_sam_1357_2468_dd_diff_bpm12X_slope vs run
χ² / ndf 2.157 / 51
p0 −0.4656 ± 0.05453
pull
Entries 52
Mean 456.3
Std Dev 0

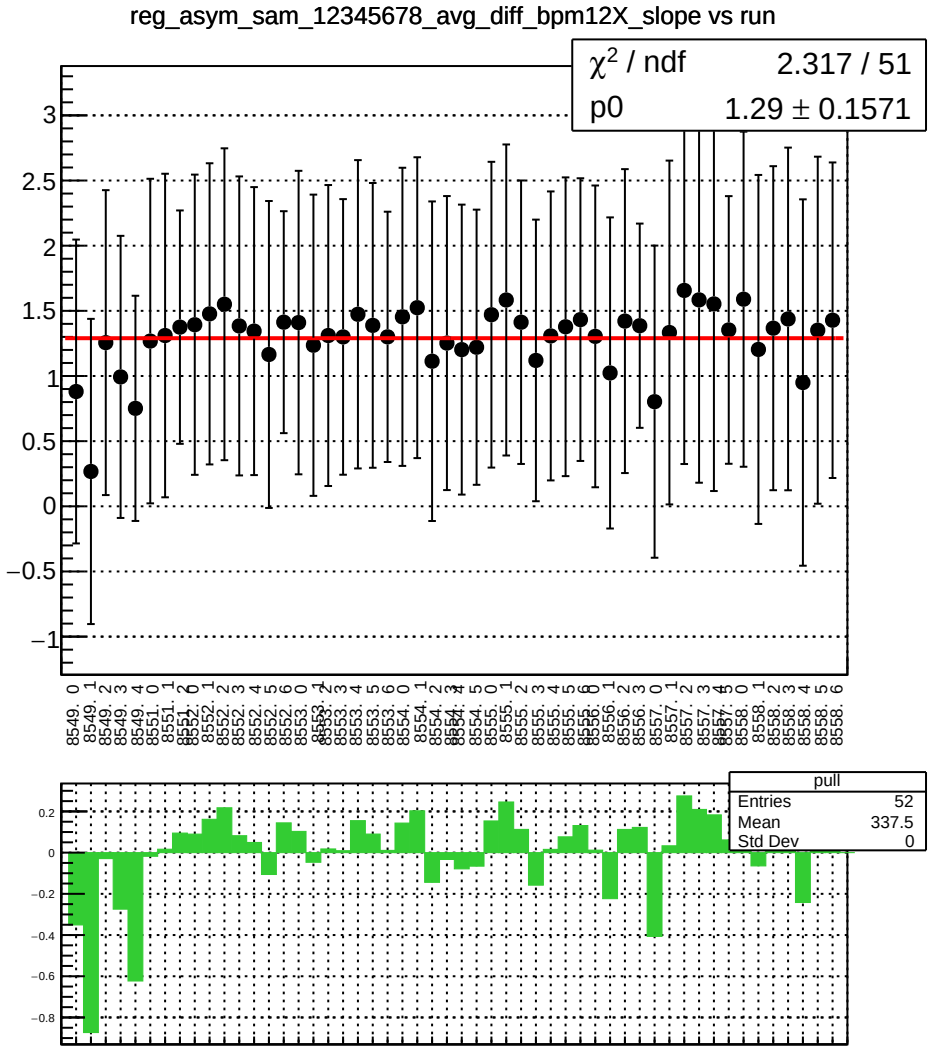

pull1D
Entries 52
Mean −0.002665
Std Dev 0.2036

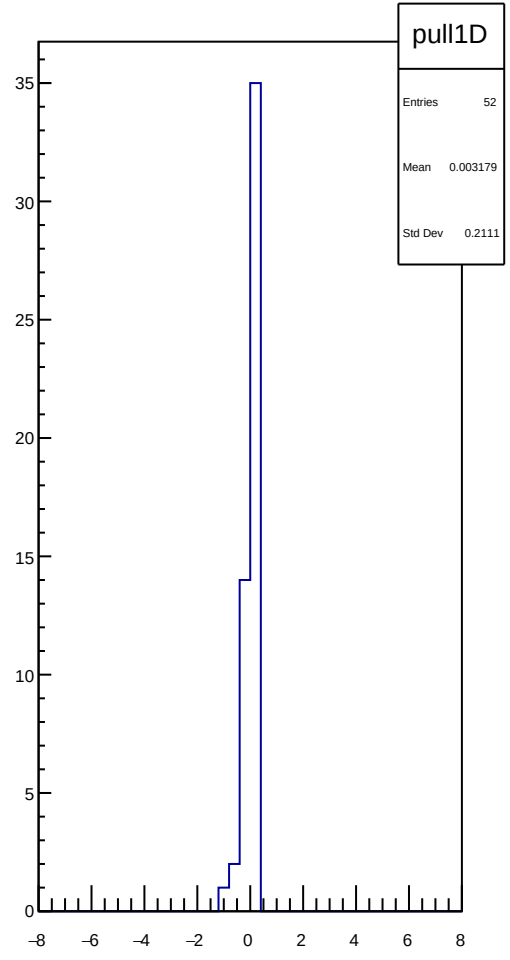

reg_asym_sam_12345678_avg_diff_bpm1X_slope vs run
χ² / ndf 4.287 / 51
p0 2.895 ± 1.327
pull
Entries 52
Mean −36.41
Std Dev 0
pull1D
Entries 52
Mean −0.01928
Std Dev 0.2865

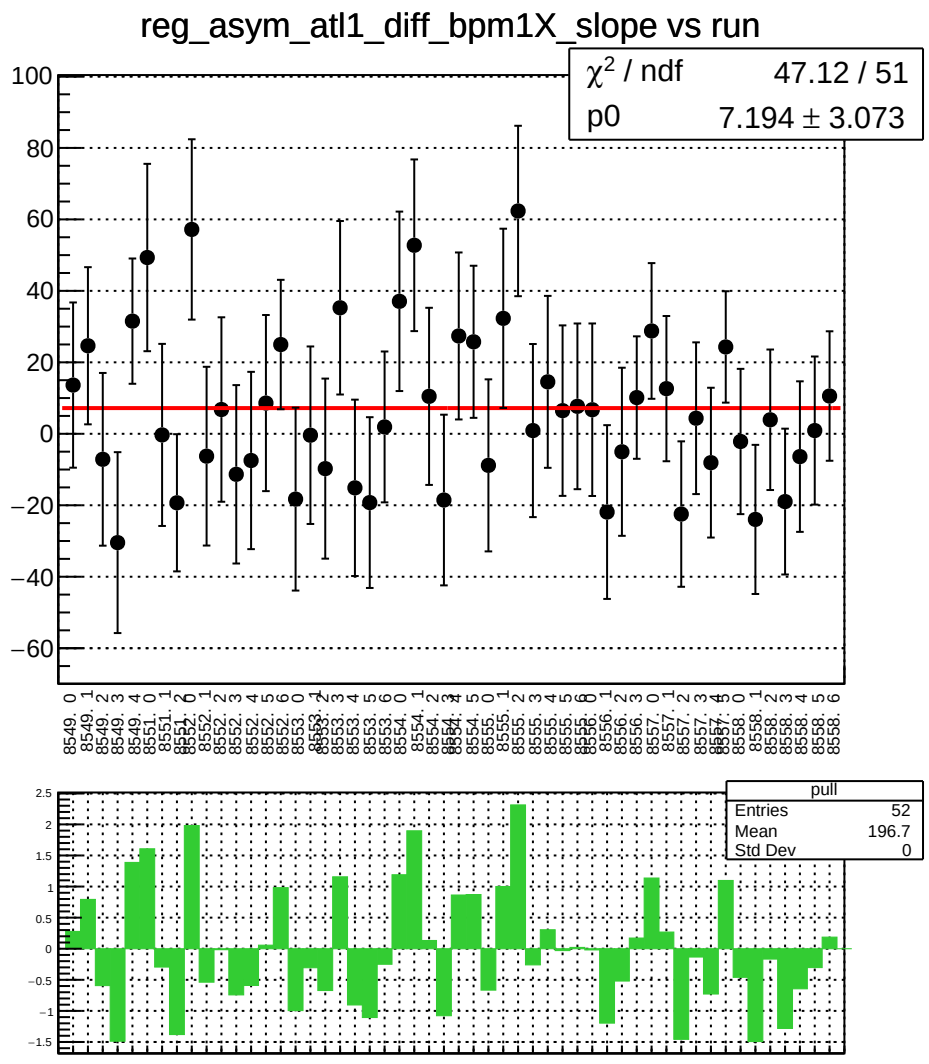

reg_asym_sam_12345678_avg_diff_bpm4aY_slope vs run
χ² / ndf 1.579 / 51
p0 12.49 ± 2.257
pull
Entries 52
Mean −122.9
Std Dev 0
pull1D
Entries 52
Mean 0.001195
Std Dev 0.1743

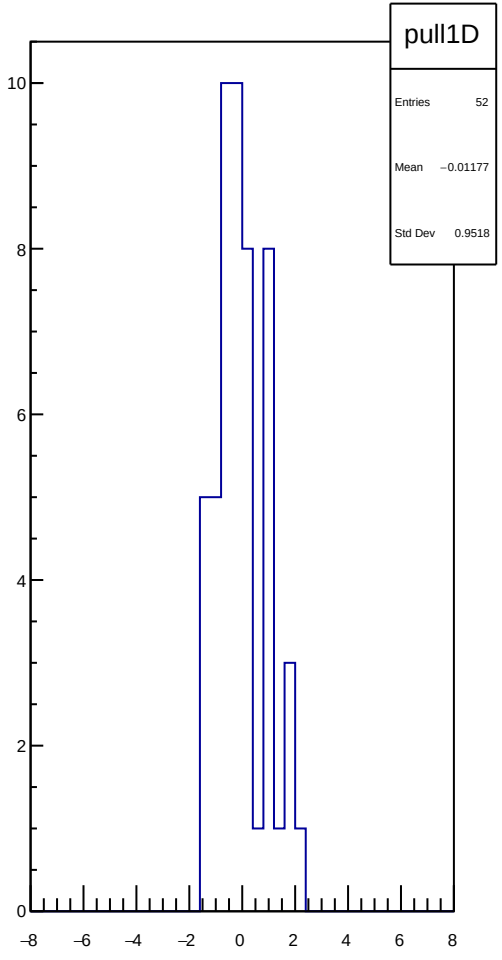

reg_asym_sam_12345678_avg_diff_bpm4eX_slope vs run
χ² / ndf 4.078 / 51
p0 −57.78 ± 1.449
pull
Entries 52
Mean −61.92
Std Dev 0
pull1D
Entries 52
Mean 0.01195
Std Dev 0.2798

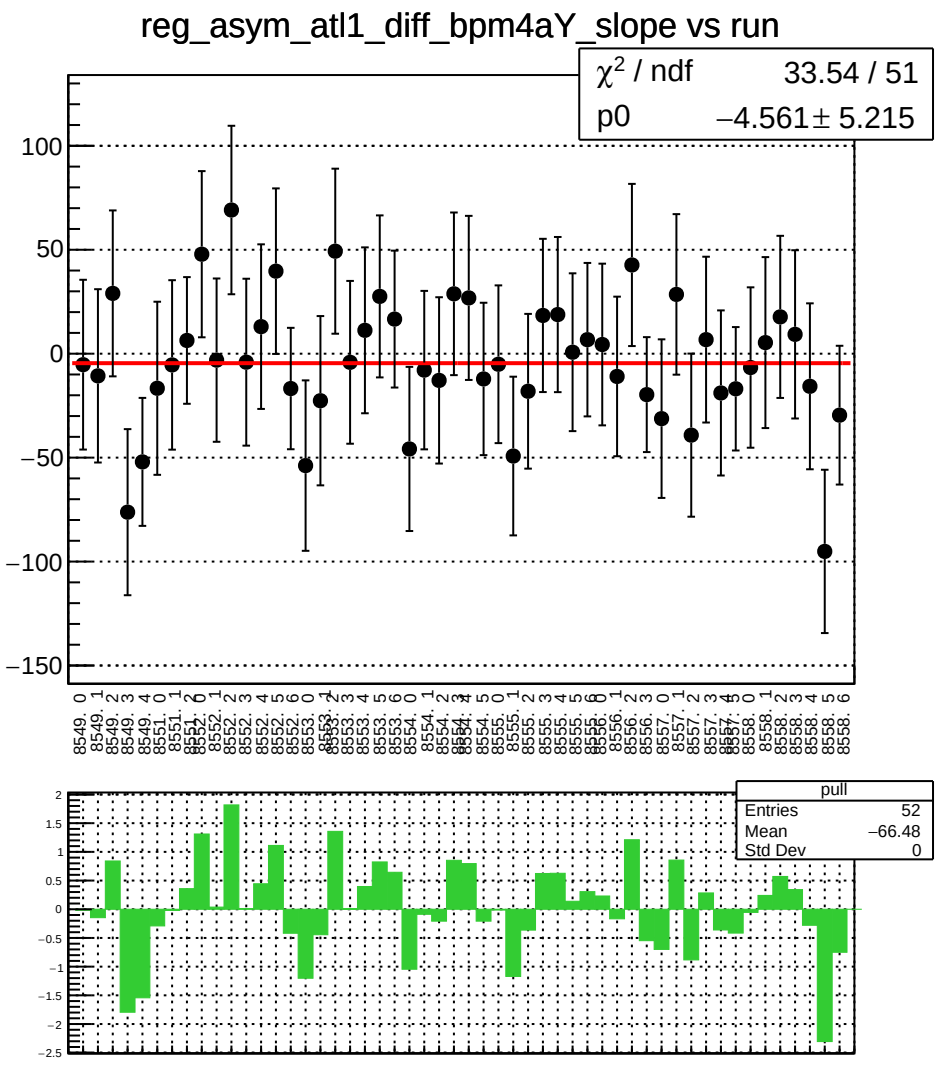

reg_asym_sam_12345678_avg_diff_bpm4eY_slope vs run
χ² / ndf 1.531 / 51
p0 24.5 ± 2.393
pull
Entries 52
Mean −94.69
Std Dev 0
pull1D
Entries 52
Mean −0.002222
Std Dev 0.1716

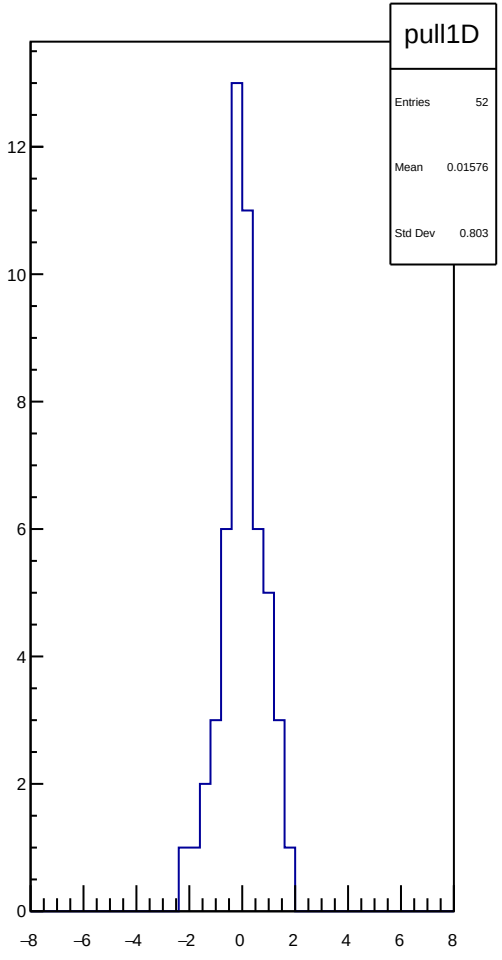

reg_asym_sam_12345678_avg_diff_bpm12X_slope vs run
χ² / ndf 2.317 / 51
p0 1.29 ± 0.1571
pull
Entries 52
Mean 337.5
Std Dev 0

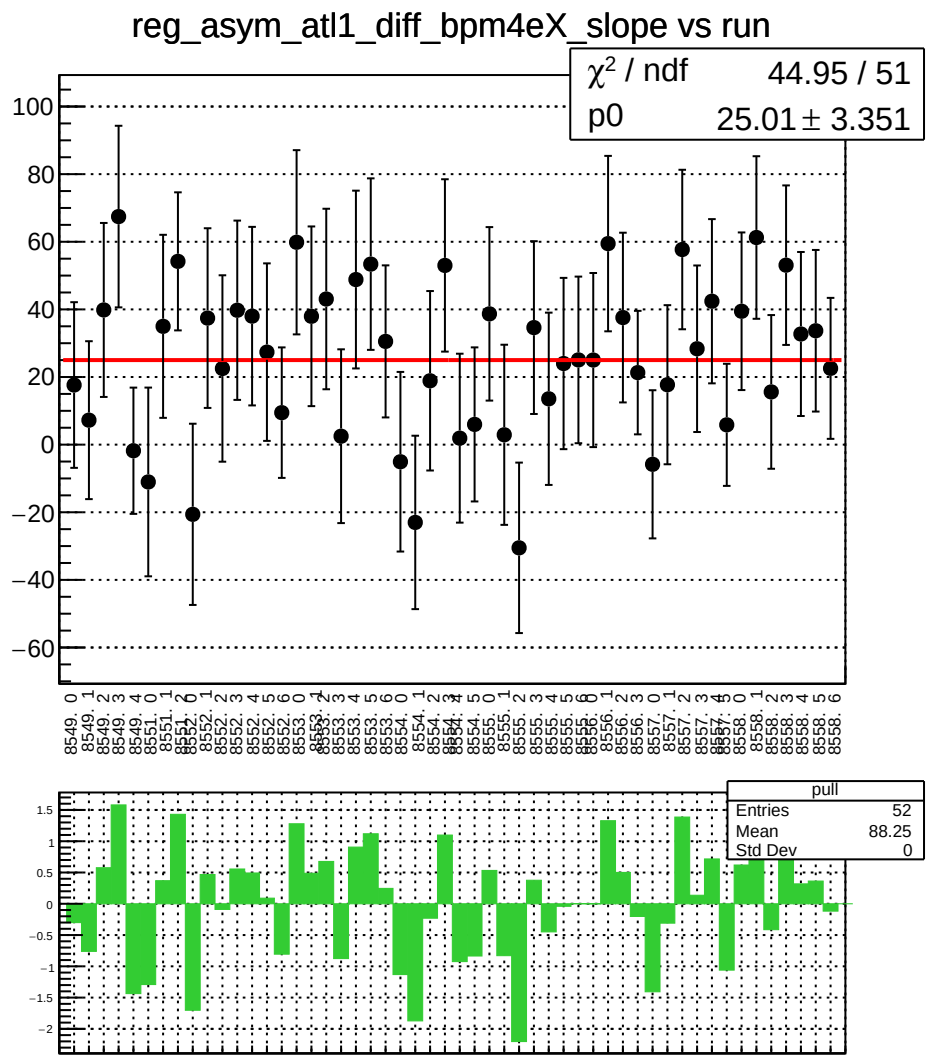

pull1D
Entries 52
Mean 0.003179
Std Dev 0.2111

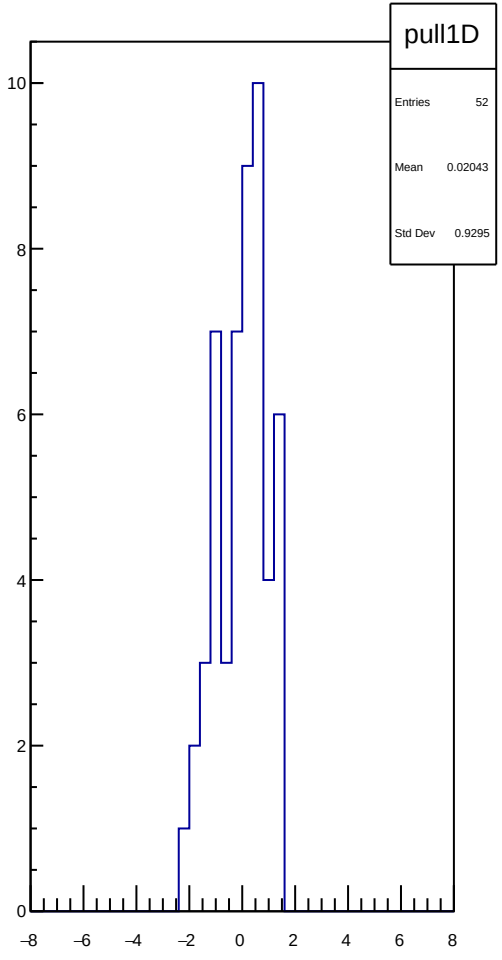

reg_asym_atl1_diff_bpm1X_slope vs run
χ² / ndf 47.12 / 51
p0 7.194 ± 3.073
pull
Entries 52
Mean 196.7
Std Dev 0

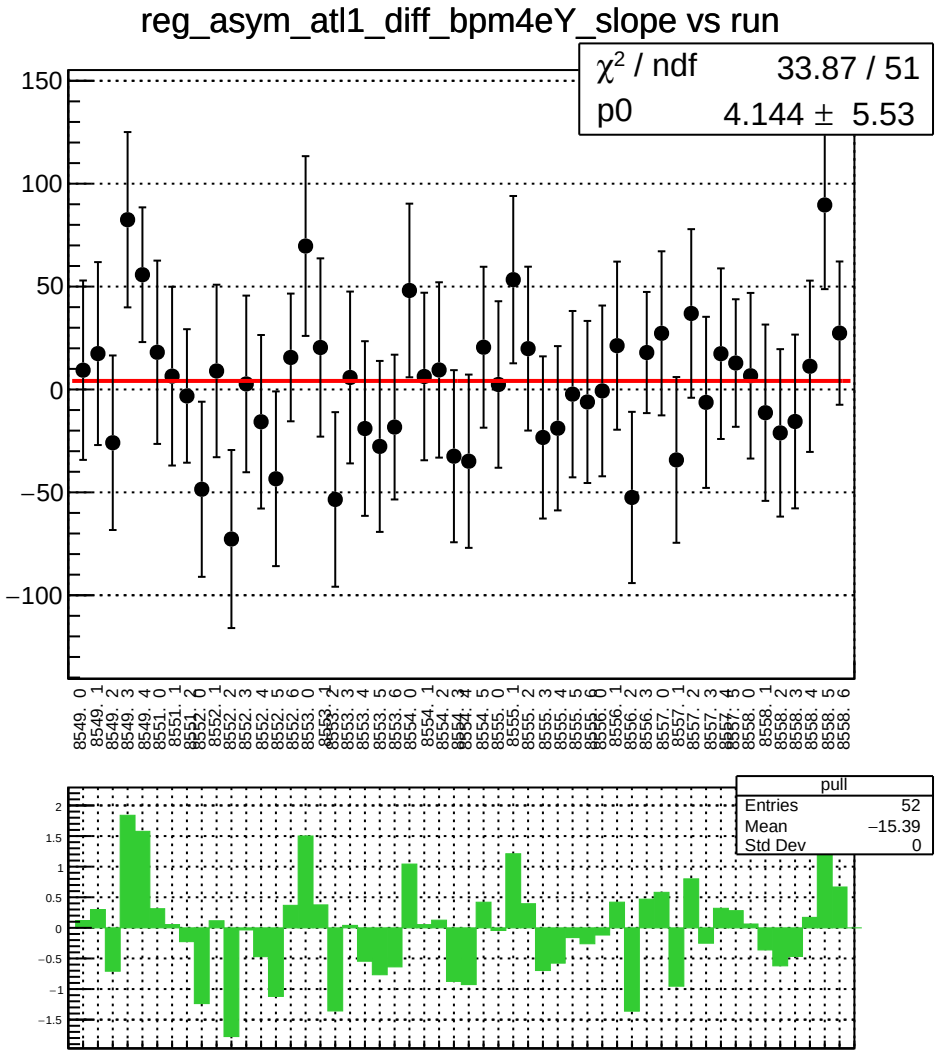

pull1D
Entries 52
Mean −0.01177
Std Dev 0.9518

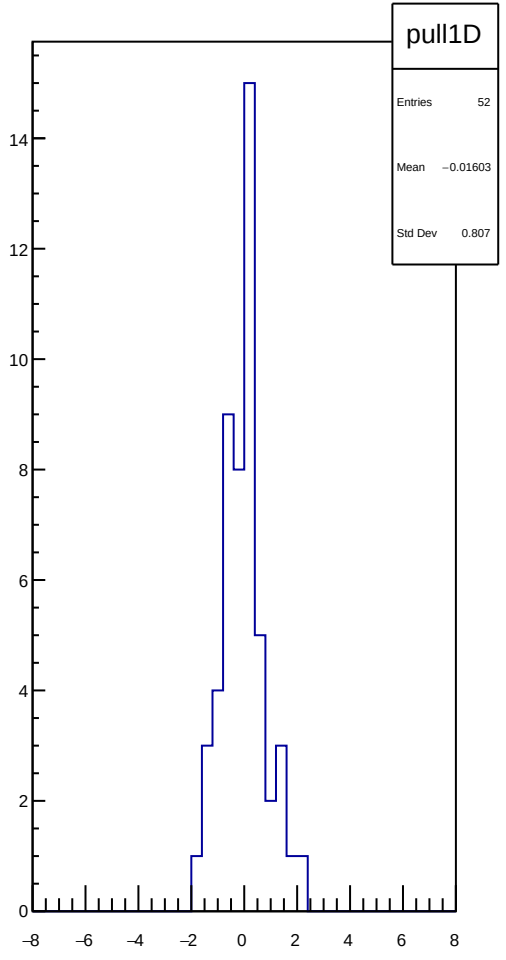

reg_asym_atl1_diff_bpm4aY_slope vs run
χ² / ndf 33.54 / 51
p0 −4.561 ± 5.215
pull
Entries 52
Mean −66.48
Std Dev 0

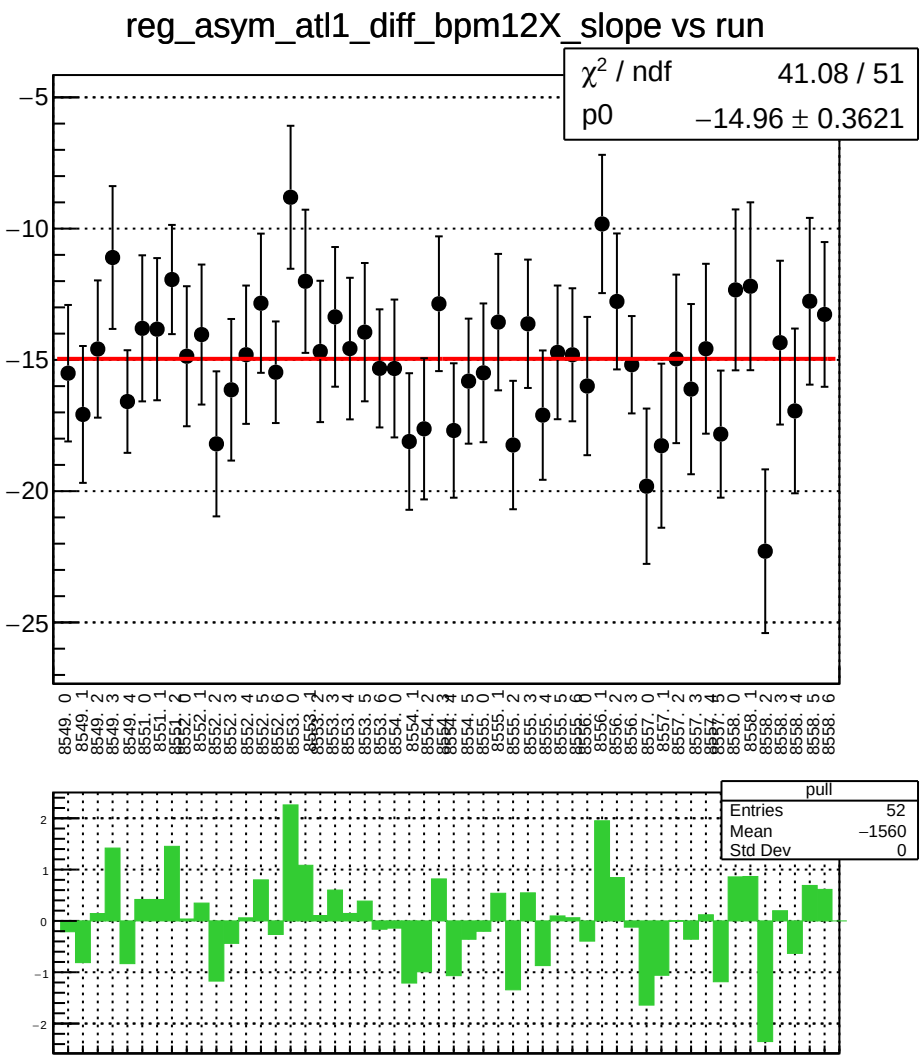

pull1D
Entries 52
Mean 0.01576
Std Dev 0.803

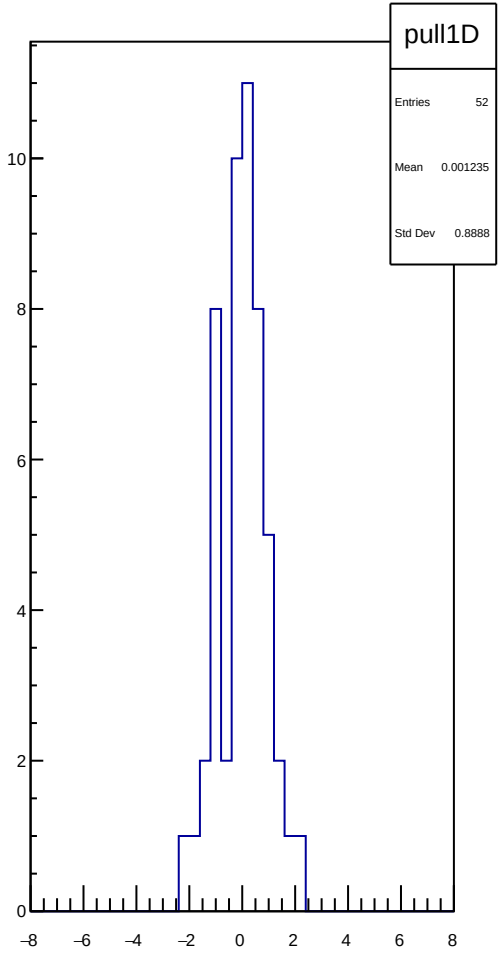

reg_asym_atl1_diff_bpm4eX_slope vs run
χ² / ndf 44.95 / 51
p0 25.01 ± 3.351
pull
Entries 52
Mean 88.25
Std Dev 0

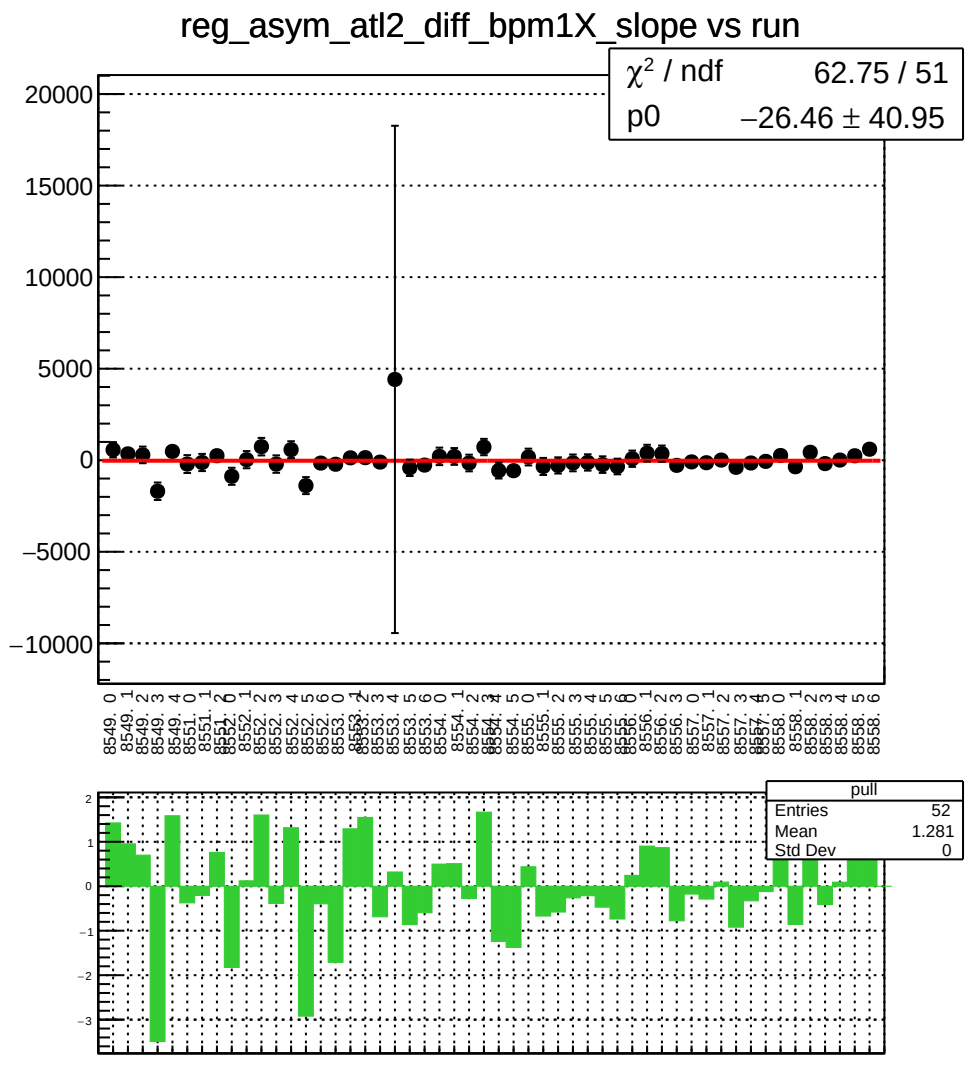

pull1D
Entries 52
Mean 0.02043
Std Dev 0.9295

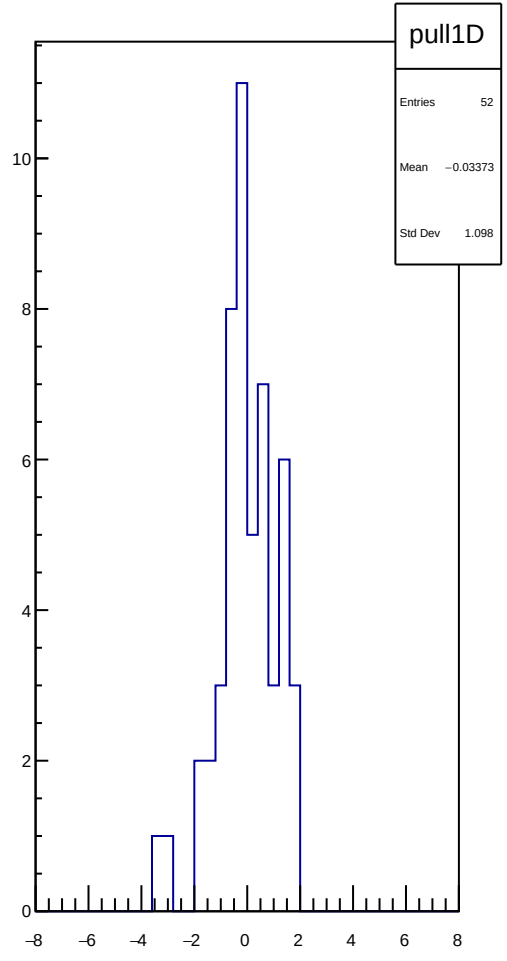

reg_asym_atl1_diff_bpm4eY_slope vs run
χ² / ndf 33.87 / 51
p0 4.144 ± 5.53
150
100
50
0
−50
−100
pull
Entries 52
Mean −15.39
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5

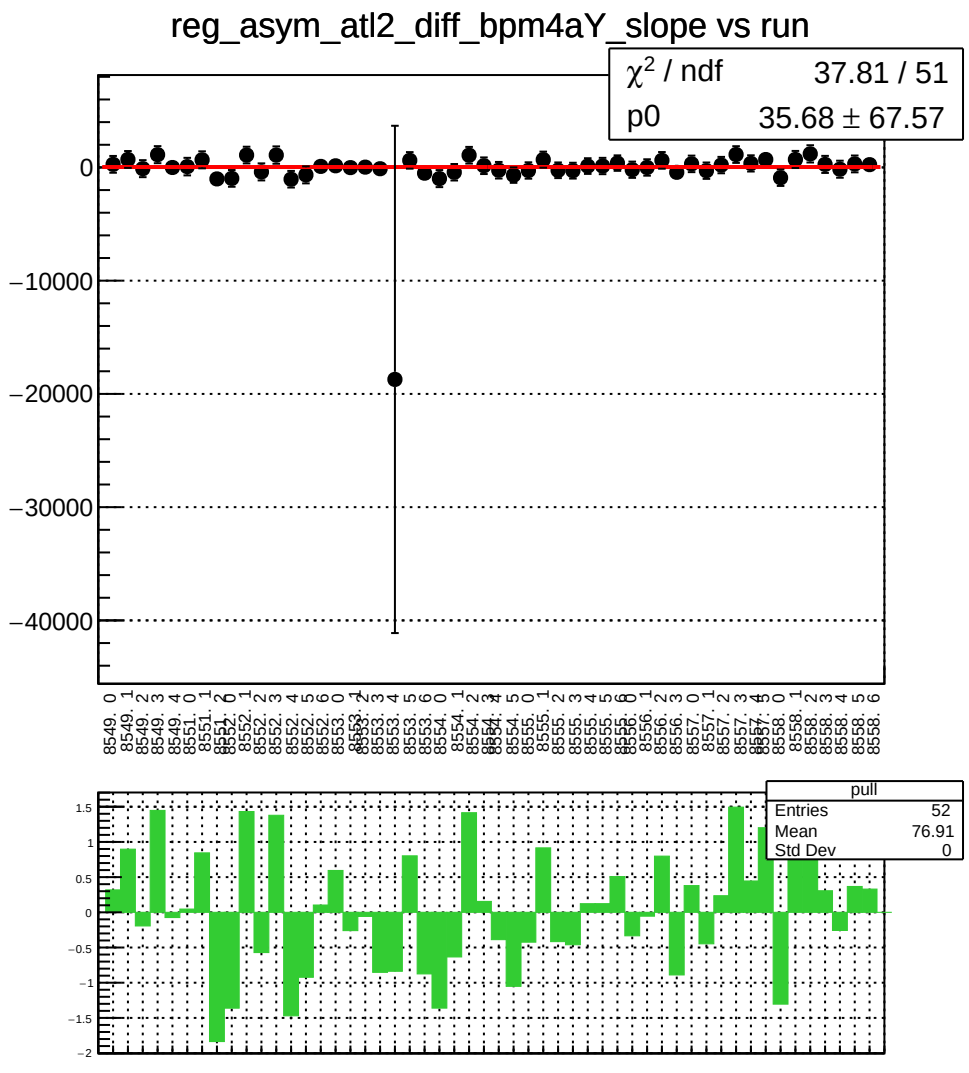

pull1D
Entries 52
Mean −0.01603
Std Dev 0.807
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

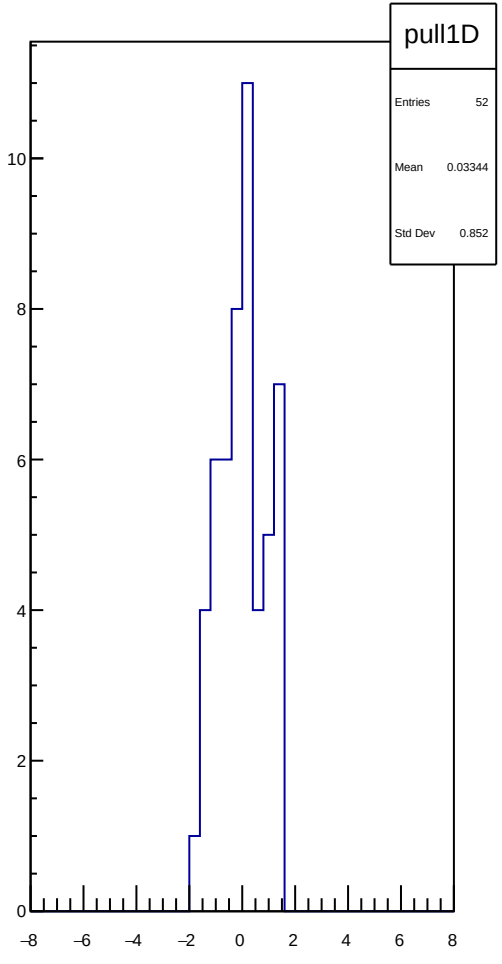

reg_asym_atl1_diff_bpm12X_slope vs run
χ² / ndf 41.08 / 51
p0 −14.96 ± 0.3621
pull
Entries 52
Mean −1560
Std Dev 0

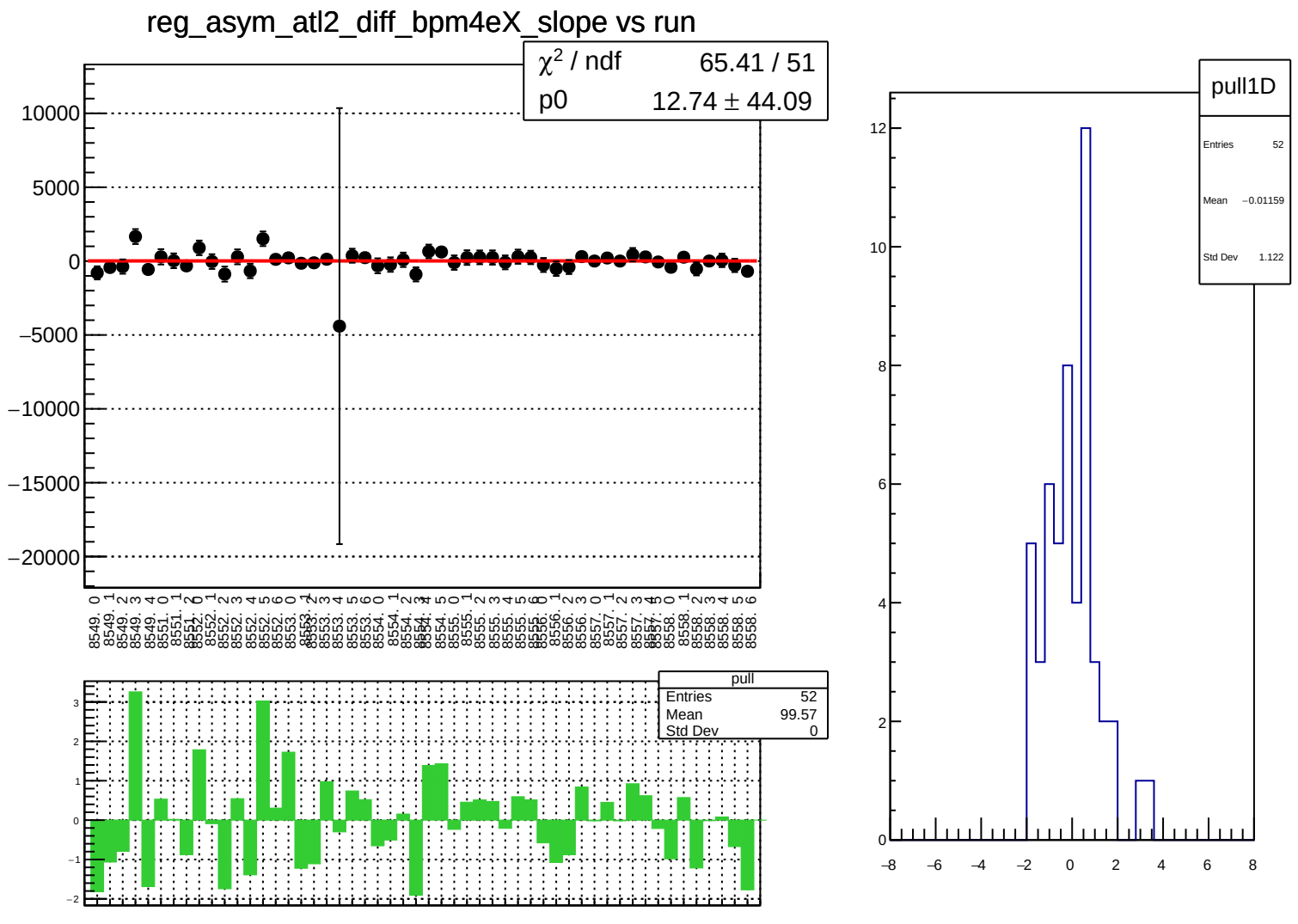

pull1D
Entries 52
Mean 0.001235
Std Dev 0.8888

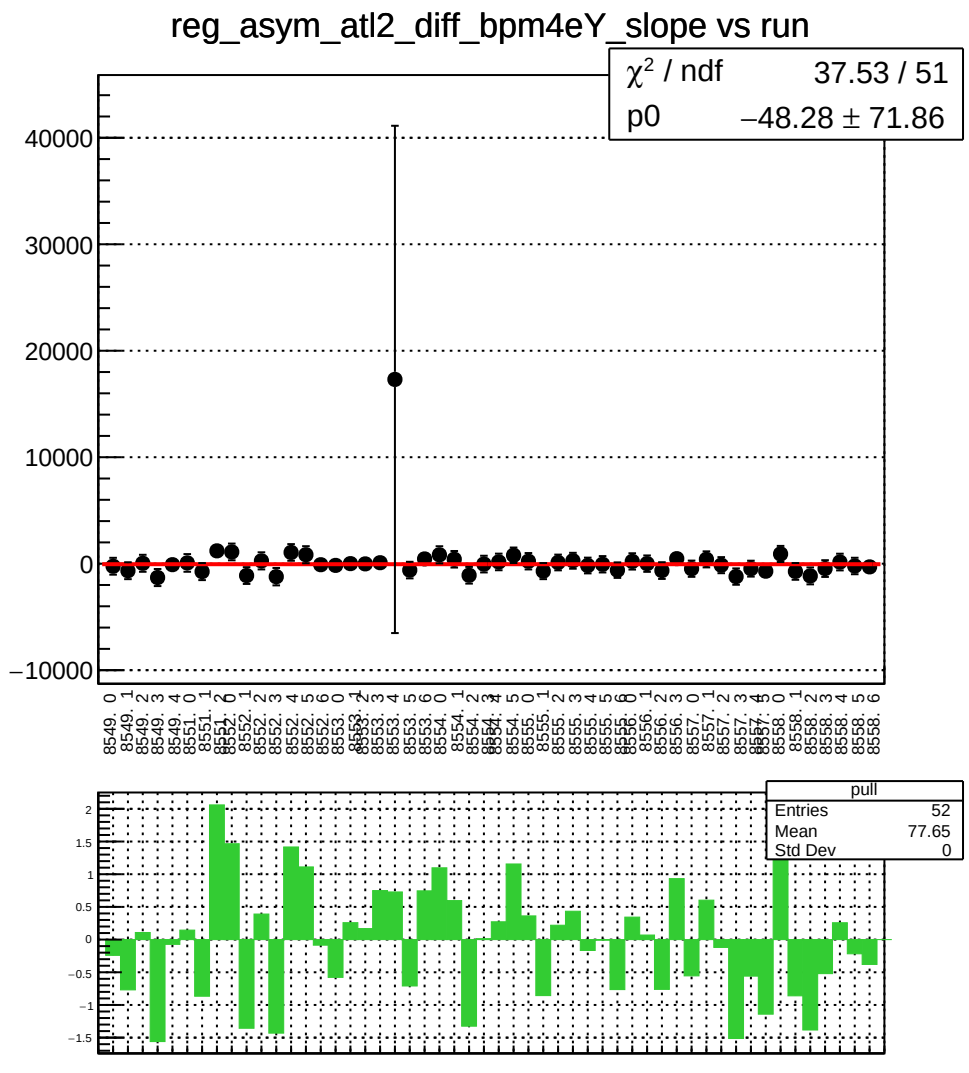

reg_asym_atl2_diff_bpm1X_slope vs run
χ² / ndf 62.75 / 51
p0 −26.46 ± 40.95
pull
Entries 52
Mean 1.281
Std Dev 0

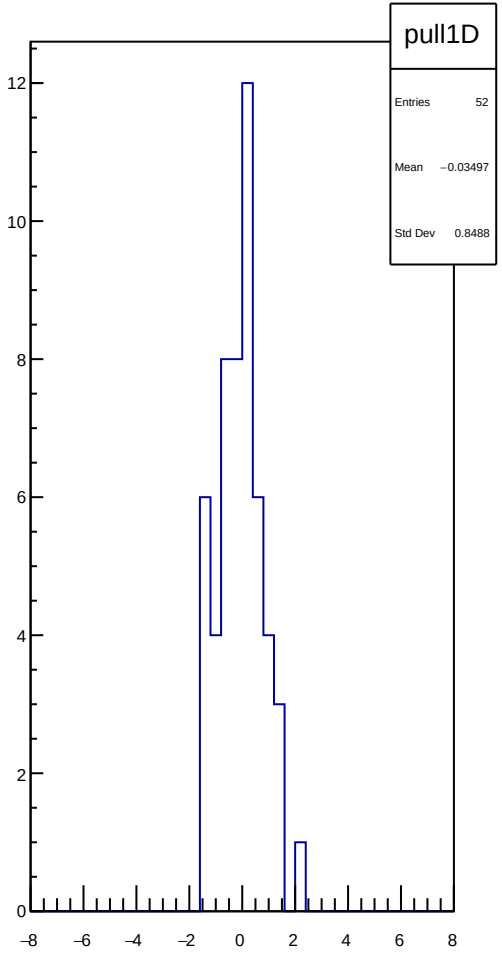

pull1D
Entries 52
Mean −0.03373
Std Dev 1.098

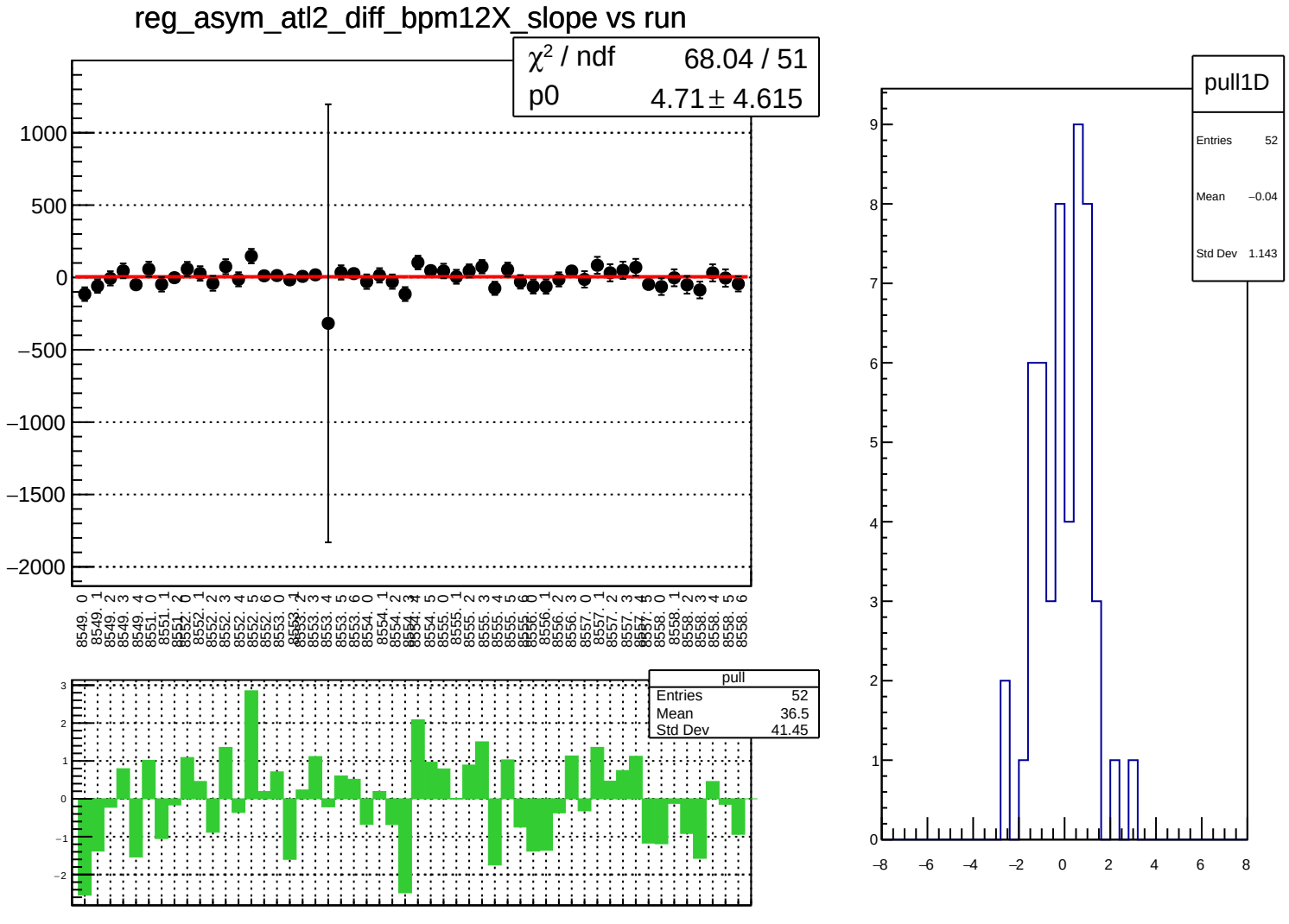

reg_asym_atl2_diff_bpm4aY_slope vs run
χ² / ndf 37.81 / 51
p0 35.68 ± 67.57
0
−10000
−20000
−30000
−40000
pull
Entries 52
Mean 76.91
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2

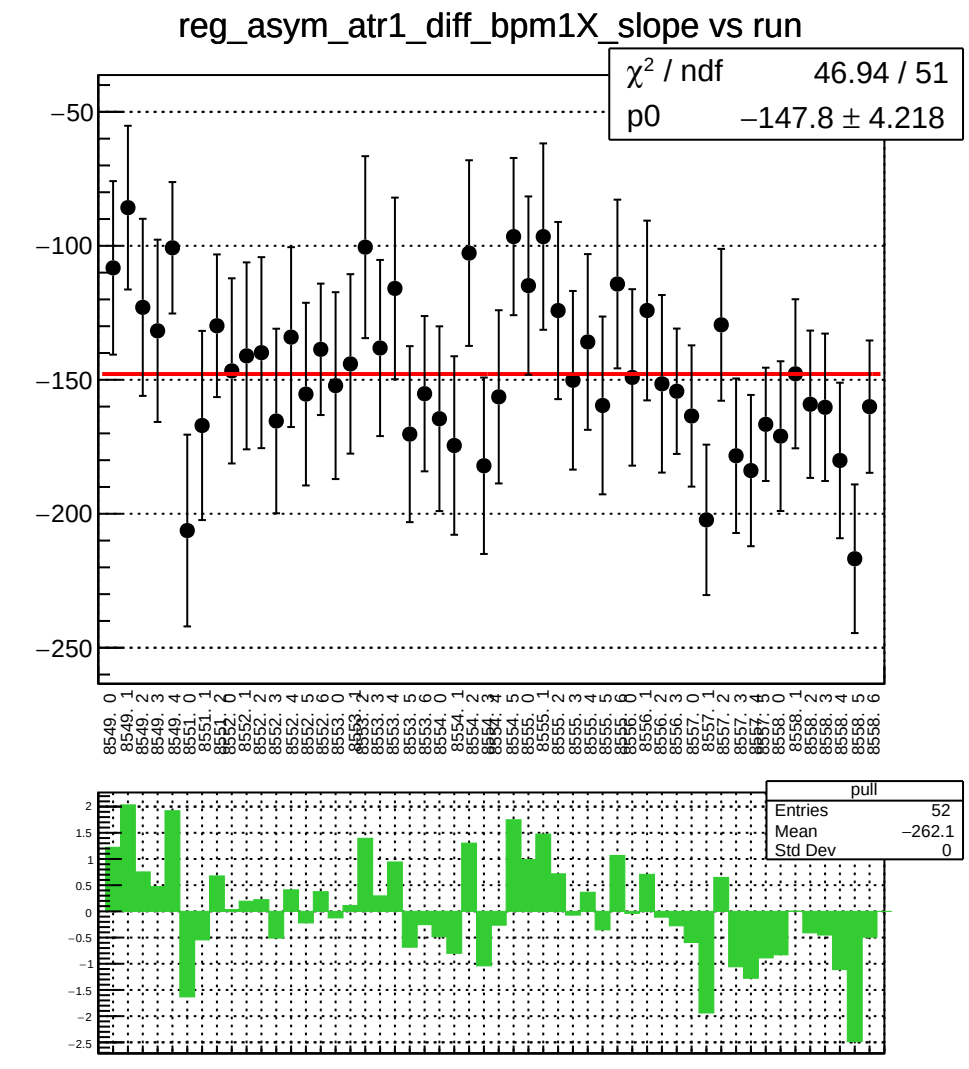

pull1D
Entries 52
Mean 0.03344
Std Dev 0.852
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

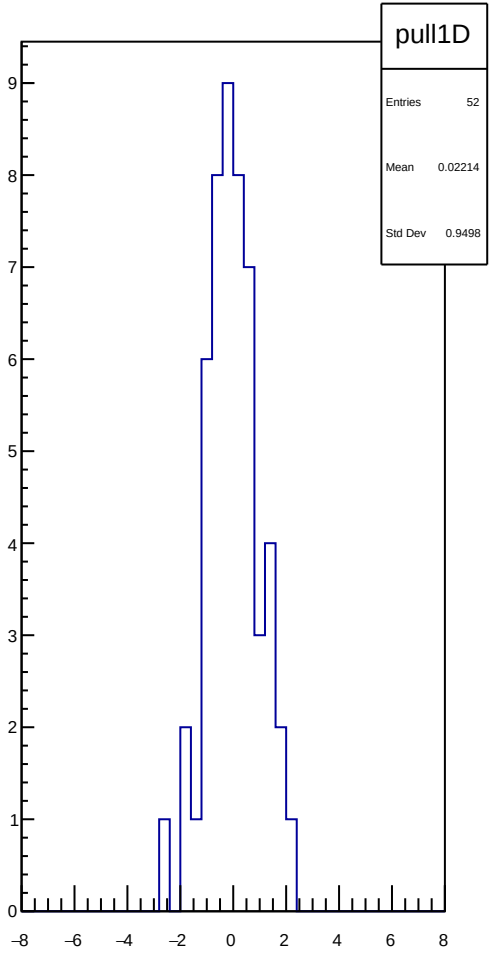

reg_asym_atl2_diff_bpm4eX_slope vs run
χ² / ndf 65.41 / 51
p0 12.74 ± 44.09
pull
Entries 52
Mean 99.57
Std Dev 0
pull1D
Entries 52
Mean −0.01159
Std Dev 1.122

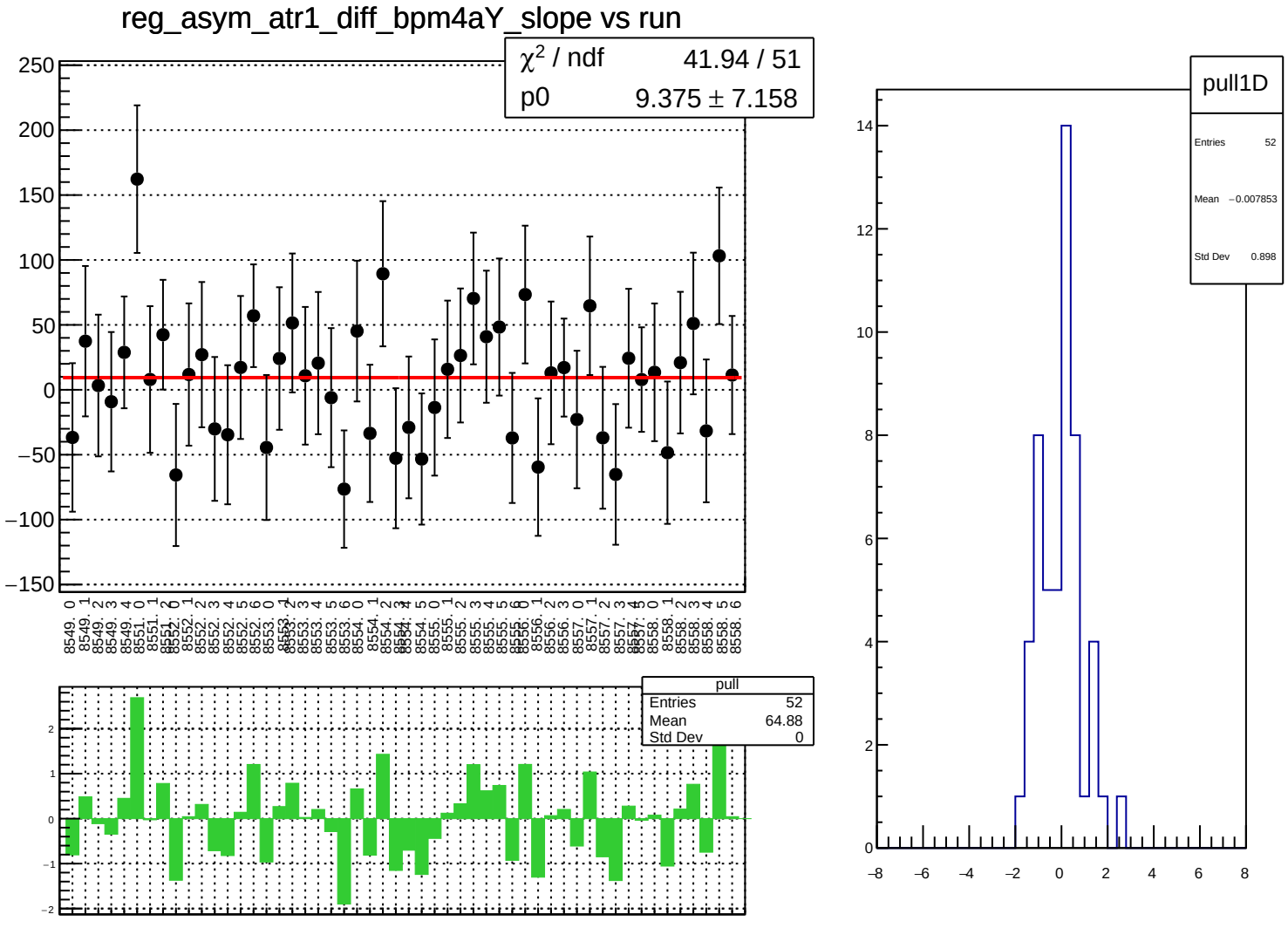

reg_asym_atl2_diff_bpm4eY_slope vs run
χ² / ndf 37.53 / 51
p0 −48.28 ± 71.86
40000
30000
20000
10000
0
−10000
pull
Entries 52
Mean 77.65
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5

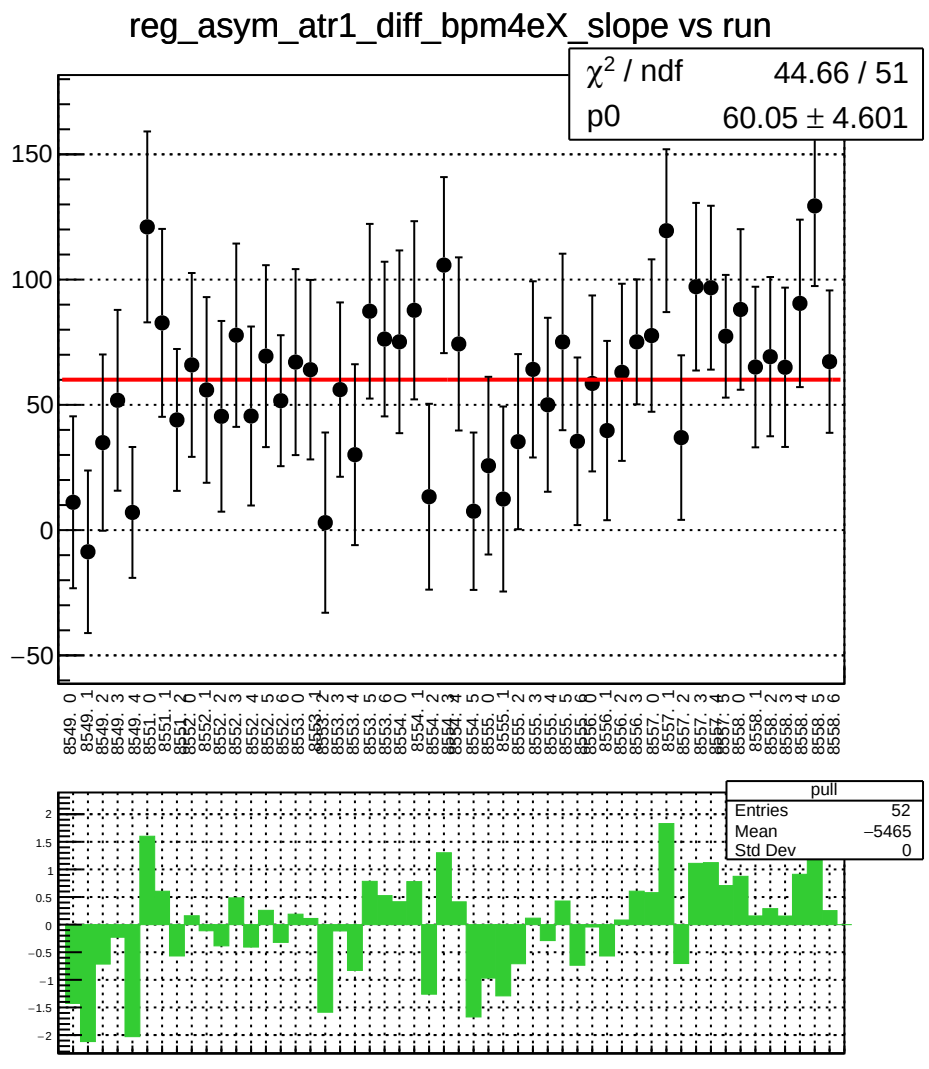

pull1D
Entries 52
Mean −0.03497
Std Dev 0.8488
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

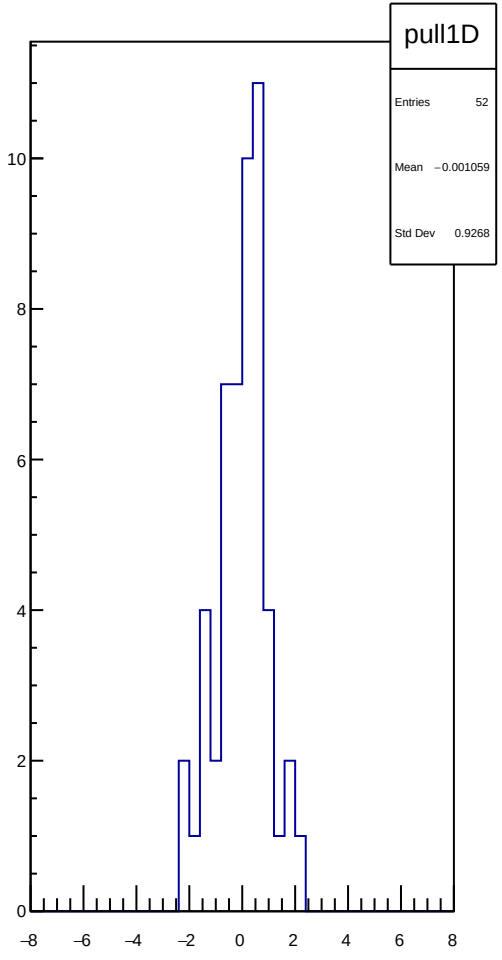

reg_asym_atl2_diff_bpm12X_slope vs run
χ² / ndf 68.04 / 51
p0 4.71 ± 4.615
1000
500
0
−500
−1000
−1500
−2000
pull
Entries 52
Mean 36.5
Std Dev 41.45
pull1D
Entries 52
Mean −0.04
Std Dev 1.143

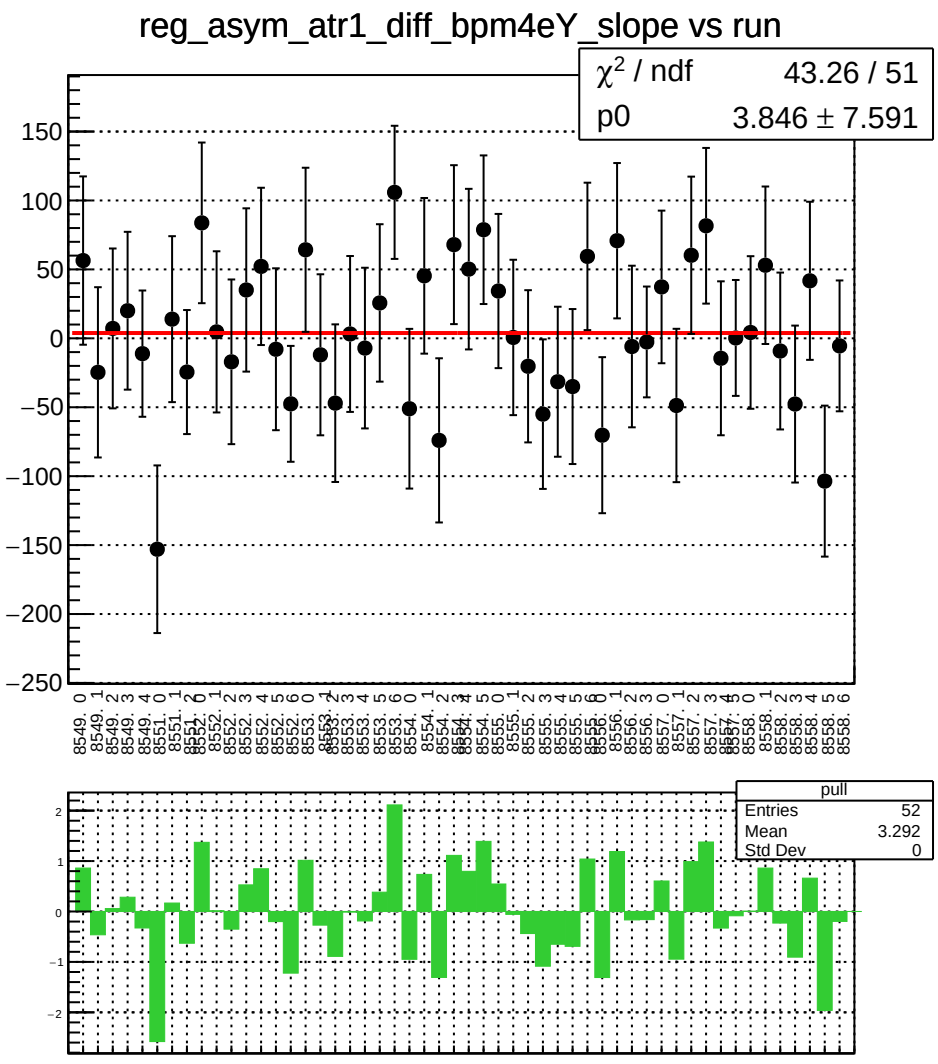

reg_asym_atr1_diff_bpm1X_slope vs run
χ² / ndf 46.94 / 51
p0 −147.8 ± 4.218
pull
Entries 52
Mean −262.1
Std Dev 0

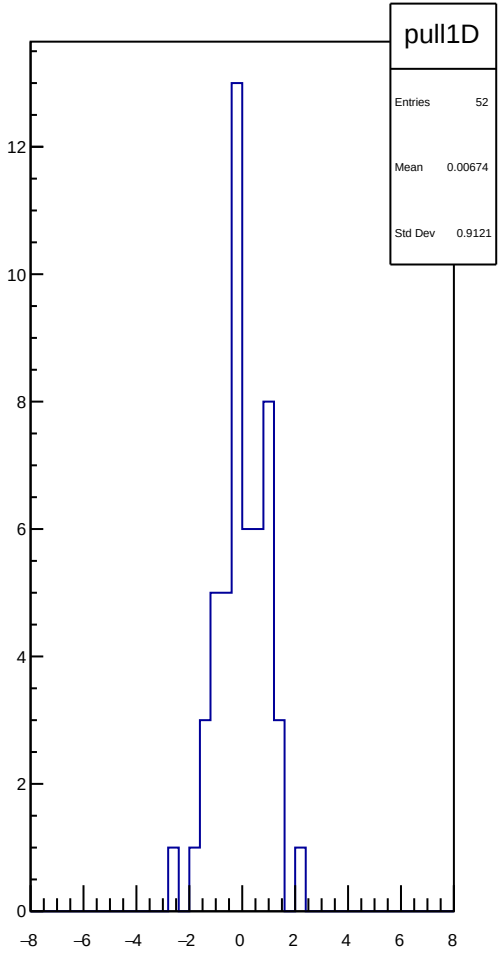

pull1D
Entries 52
Mean 0.02214
Std Dev 0.9498

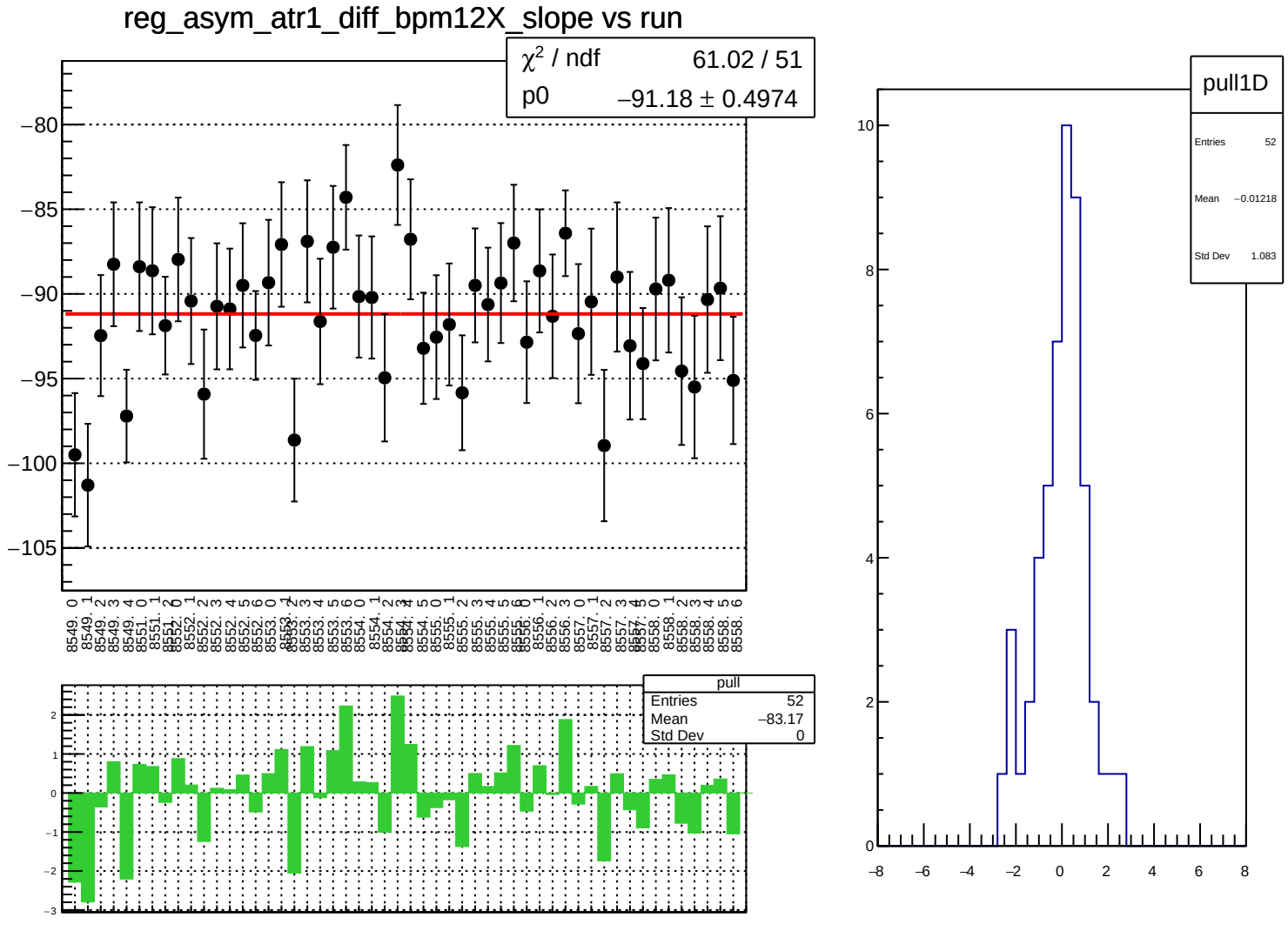

reg_asym_atr1_diff_bpm4aY_slope vs run
χ² / ndf 41.94 / 51
p0 9.375 ± 7.158
pull
Entries 52
Mean 64.88
Std Dev 0
pull1D
Entries 52
Mean −0.007853
Std Dev 0.898

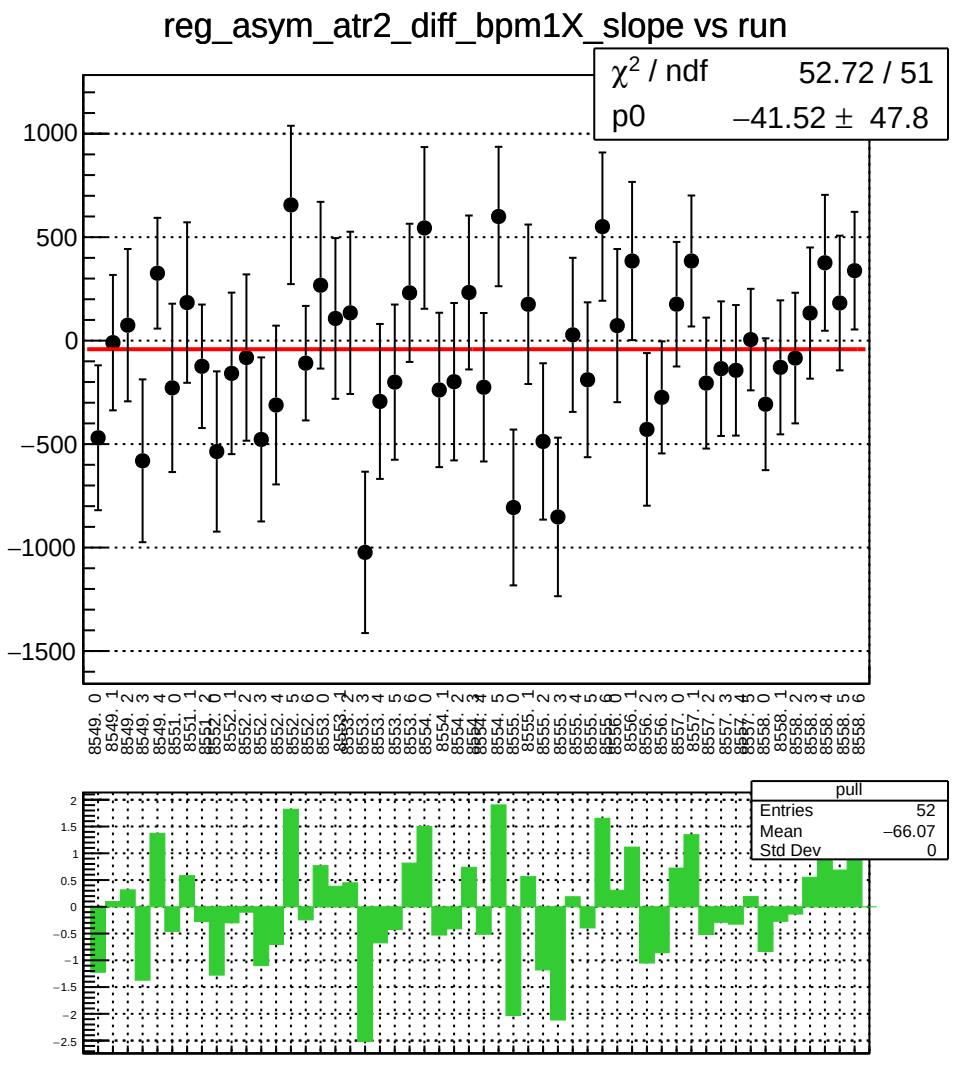

reg_asym_atr1_diff_bpm4eX_slope vs run
χ² / ndf 44.66 / 51
p0 60.05 ± 4.601
150
100
50
0
−50
pull
Entries 52
Mean −5465
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

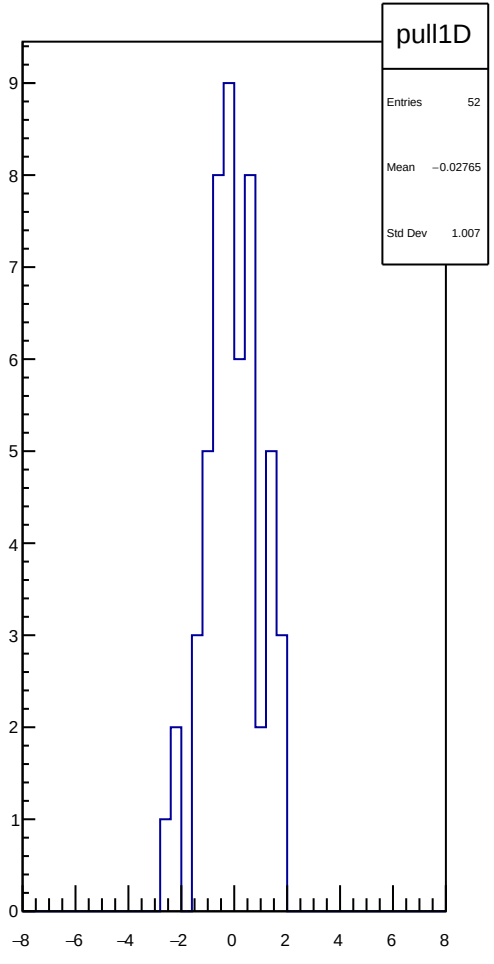

pull1D
Entries 52
Mean −0.001059
Std Dev 0.9268
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

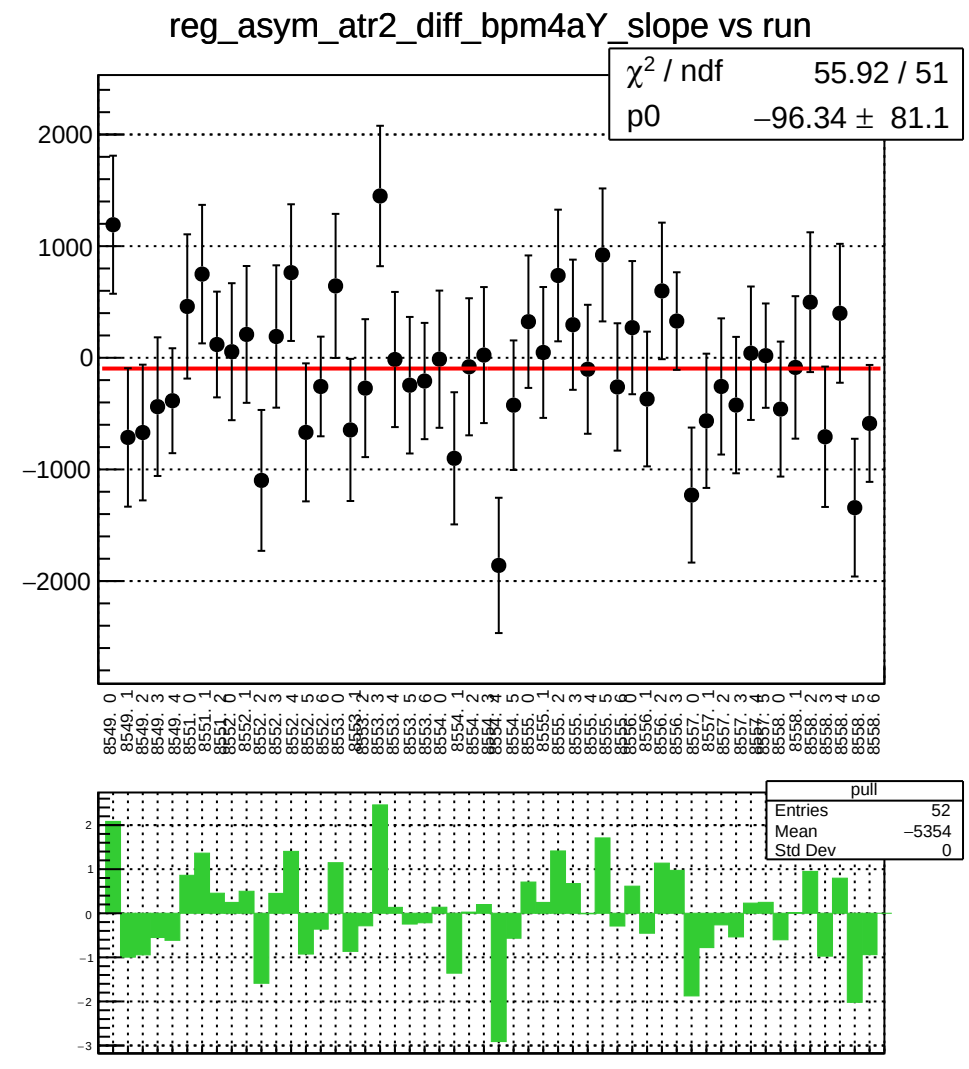

reg_asym_atr1_diff_bpm4eY_slope vs run
χ² / ndf 43.26 / 51
p0 3.846 ± 7.591
pull
Entries 52
Mean 3.292
Std Dev 0

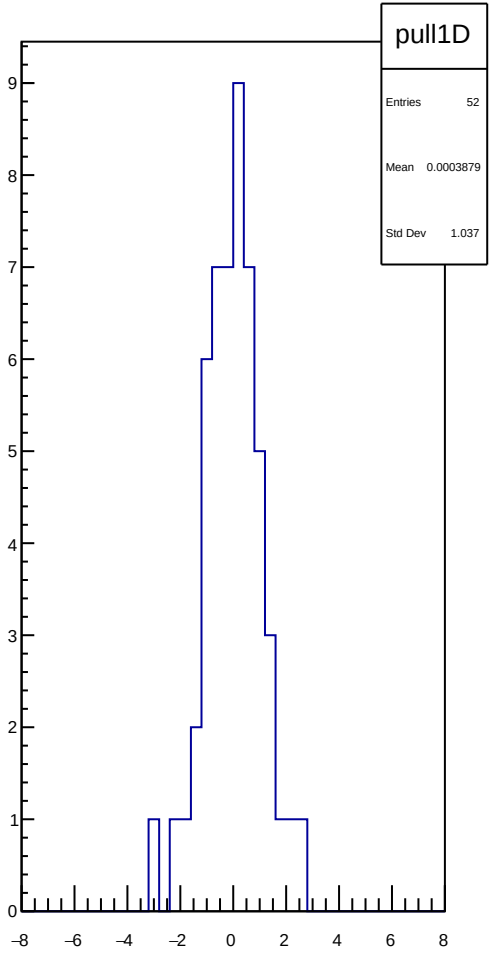

pull1D
Entries 52
Mean 0.00674
Std Dev 0.9121

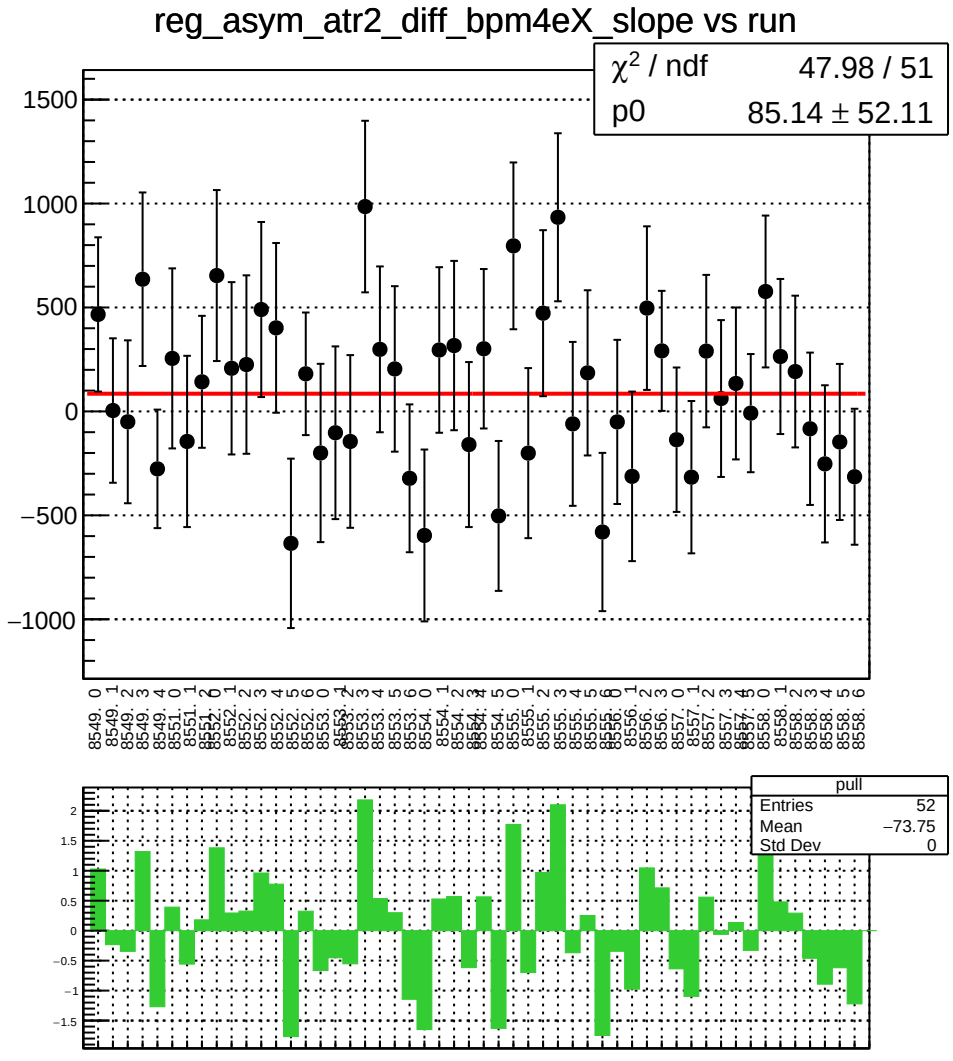

reg_asym_atr1_diff_bpm12X_slope vs run
χ² / ndf 61.02 / 51
p0 −91.18 ± 0.4974
pull
Entries 52
Mean −83.17
Std Dev 0
pull1D
Entries 52
Mean −0.01218
Std Dev 1.083

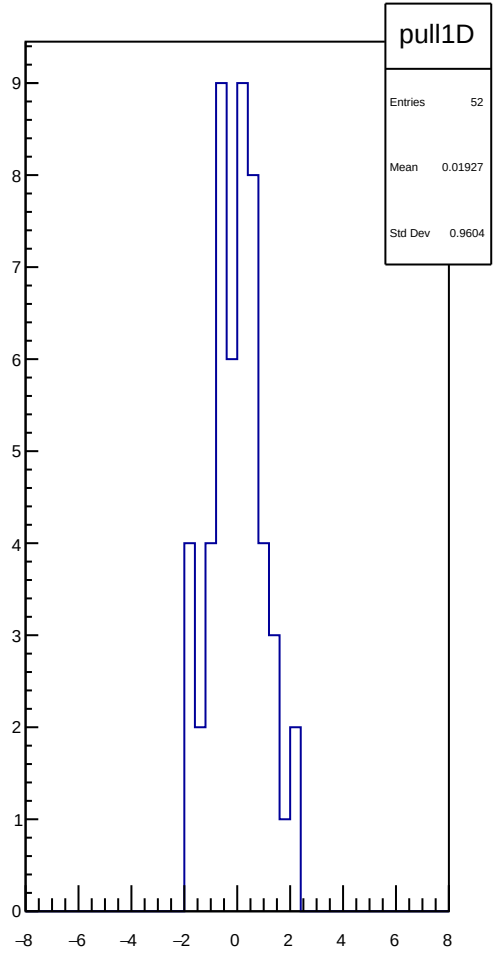

reg_asym_atr2_diff_bpm1X_slope vs run
χ² / ndf 52.72 / 51
p0 −41.52 ± 47.8
pull
Entries 52
Mean −66.07
Std Dev 0

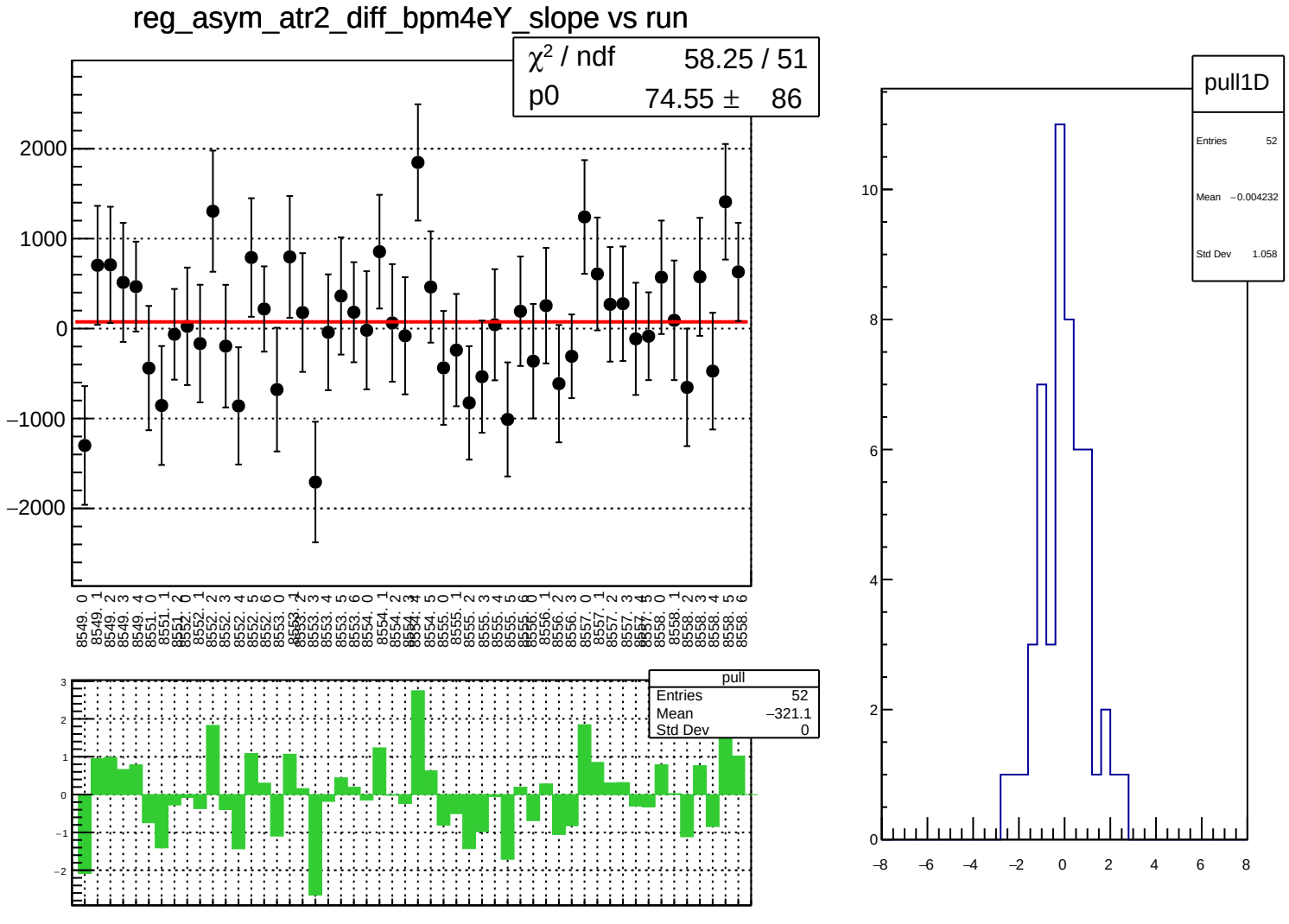

pull1D
Entries 52
Mean −0.02765
Std Dev 1.007

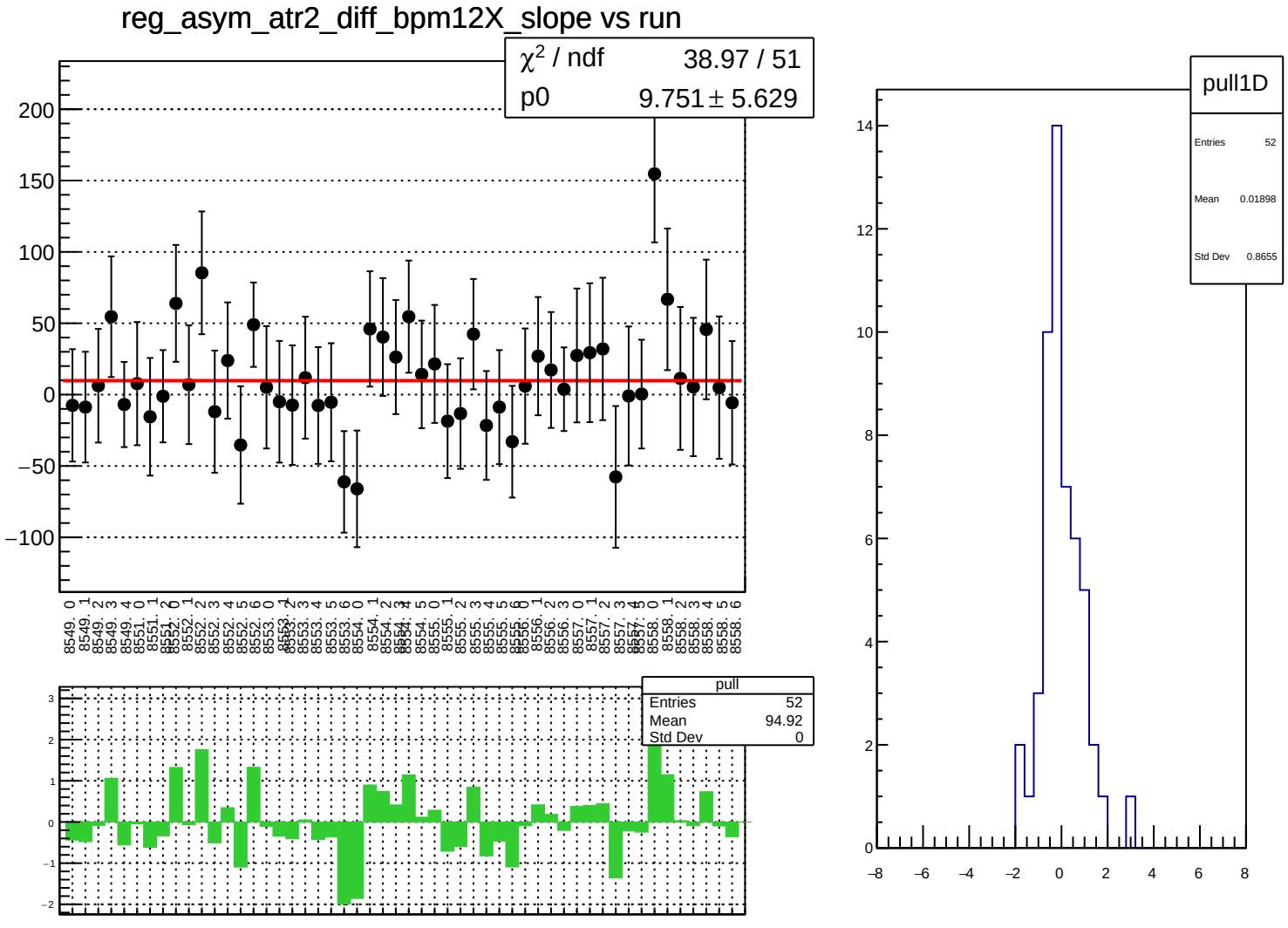

reg_asym_atr2_diff_bpm4aY_slope vs run
χ² / ndf 55.92 / 51
p0 −96.34 ± 81.1
2000
1000
0
−1000
−2000
pull
Entries 52
Mean −5354
Std Dev 0
2
1
0
−1
−2
−3

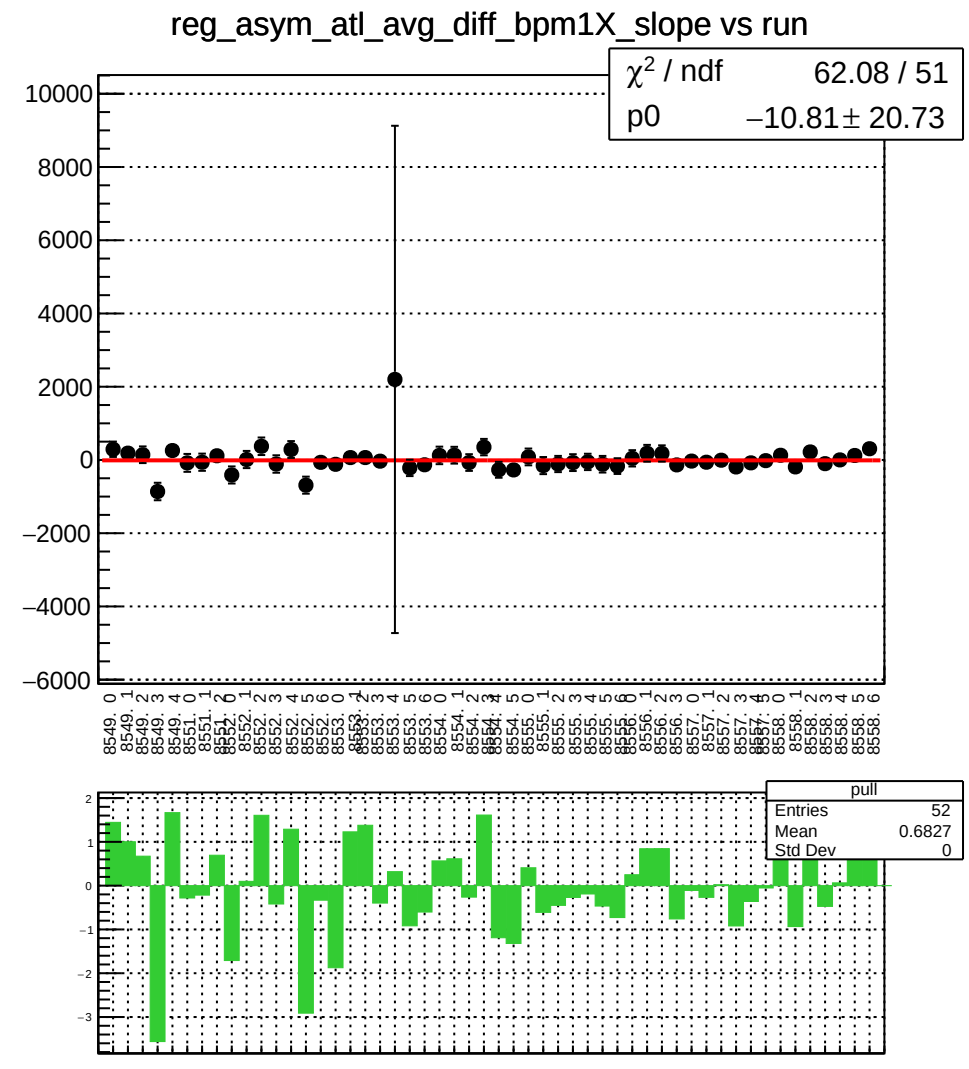

pull1D
Entries 52
Mean 0.0003879
Std Dev 1.037
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

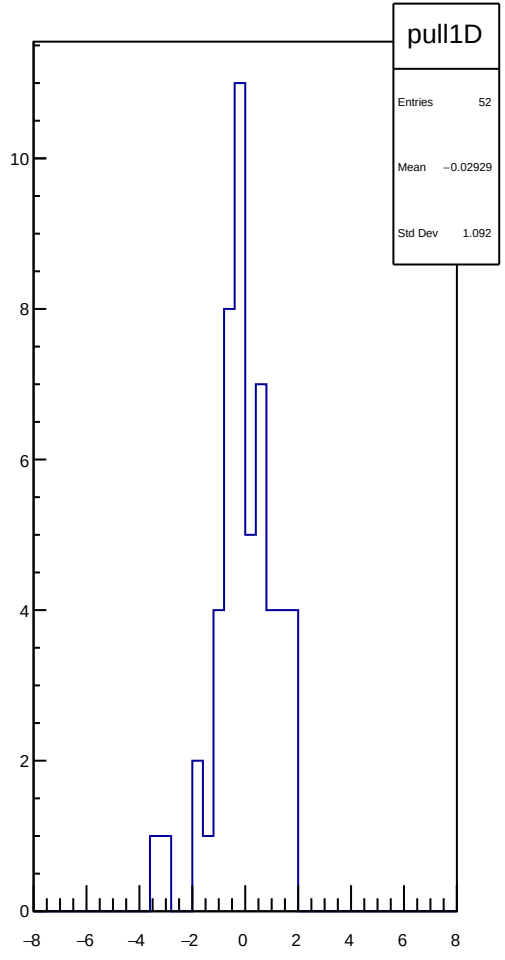

reg_asym_atr2_diff_bpm4eX_slope vs run
χ² / ndf 47.98 / 51
p0 85.14 ± 52.11
pull
Entries 52
Mean −73.75
Std Dev 0

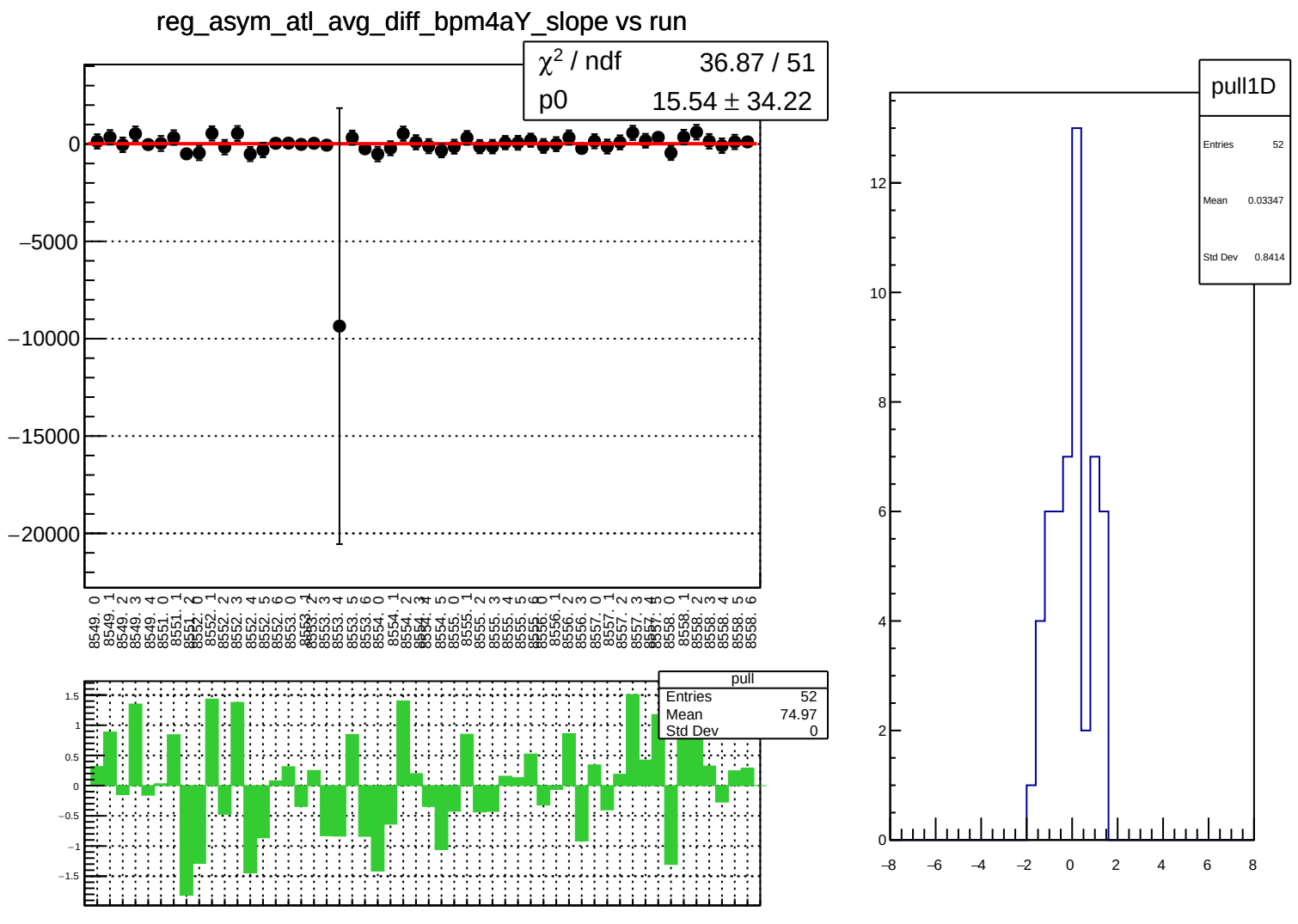

pull1D
Entries 52
Mean 0.01927
Std Dev 0.9604

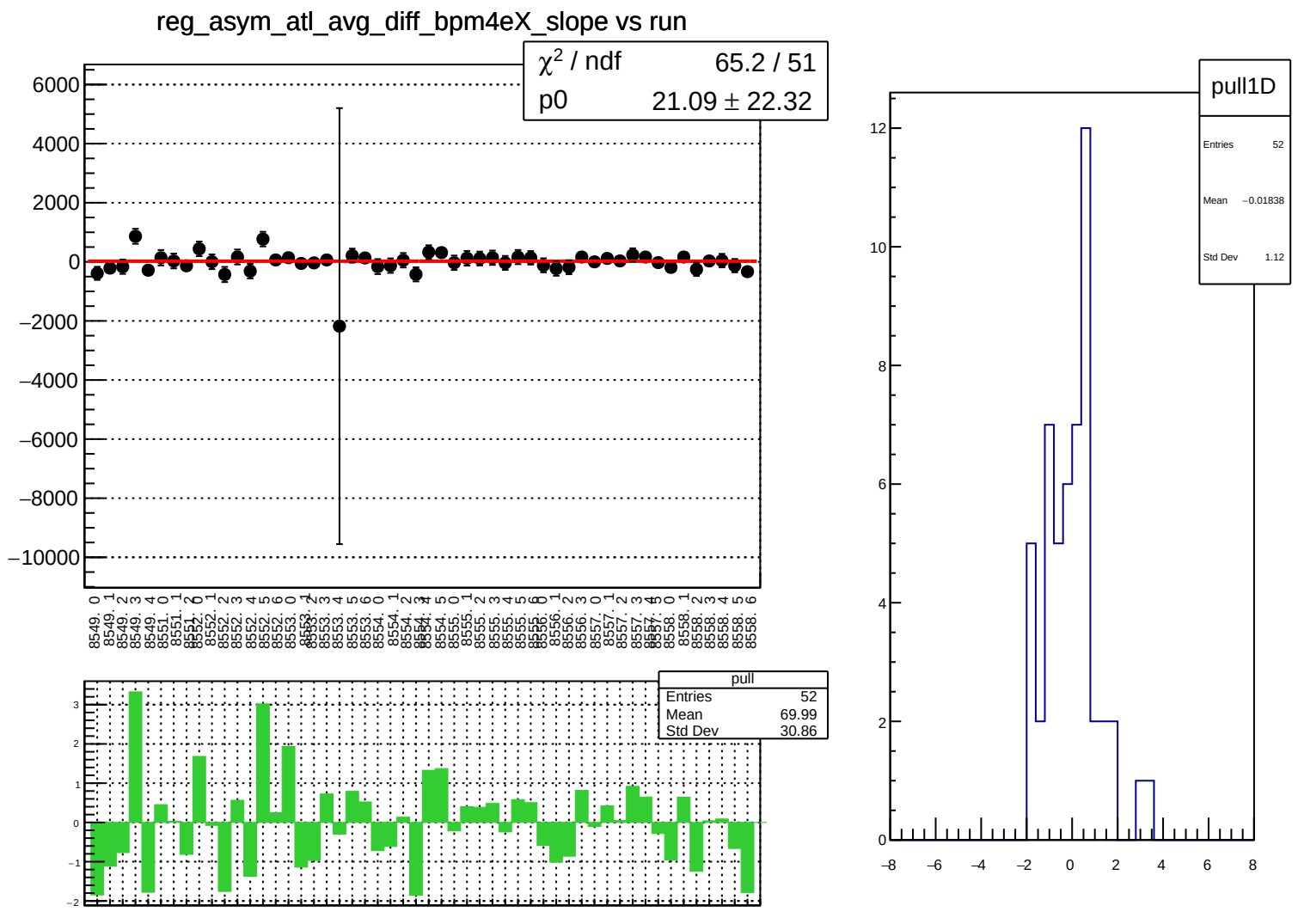

reg_asym_atr2_diff_bpm4eY_slope vs run
χ² / ndf 58.25 / 51
p0 74.55 ± 86
2000
1000
0
−1000
−2000
pull
Entries 52
Mean −321.1
Std Dev 0
pull1D
Entries 52
Mean −0.004232
Std Dev 1.058
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

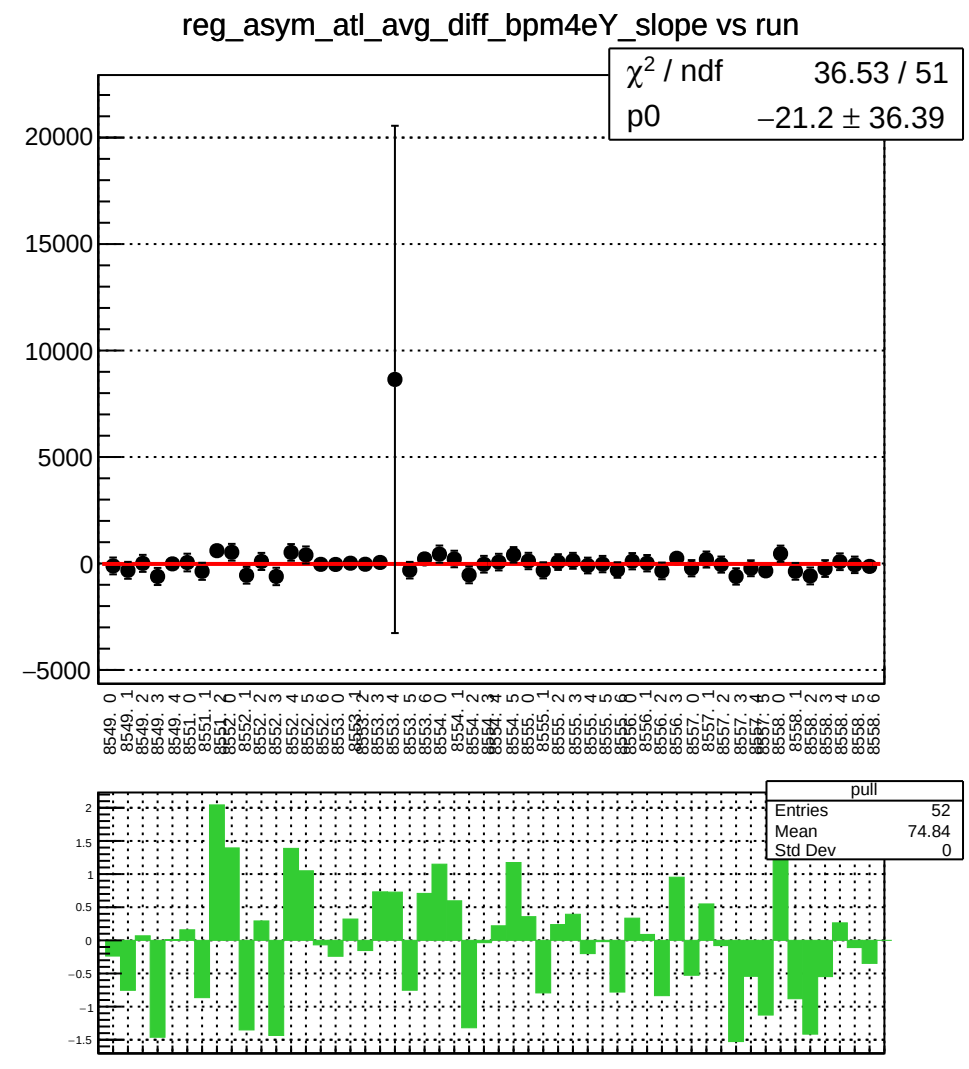

reg_asym_atr2_diff_bpm12X_slope vs run
χ² / ndf 38.97 / 51
p0 9.751 ± 5.629
pull
Entries 52
Mean 94.92
Std Dev 0
pull1D
Entries 52
Mean 0.01898
Std Dev 0.8655

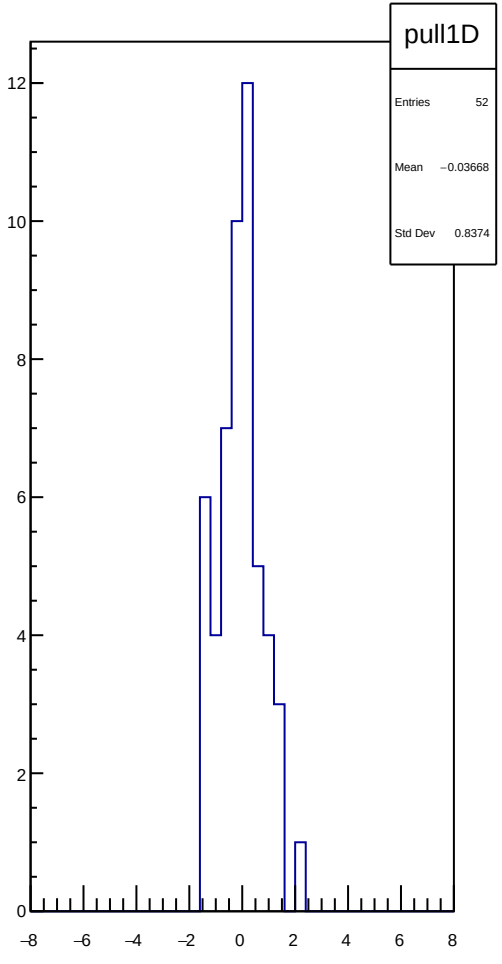

reg_asym_atl_avg_diff_bpm1X_slope vs run
χ² / ndf 62.08 / 51
p0 −10.81± 20.73
pull
Entries 52
Mean 0.6827
Std Dev 0

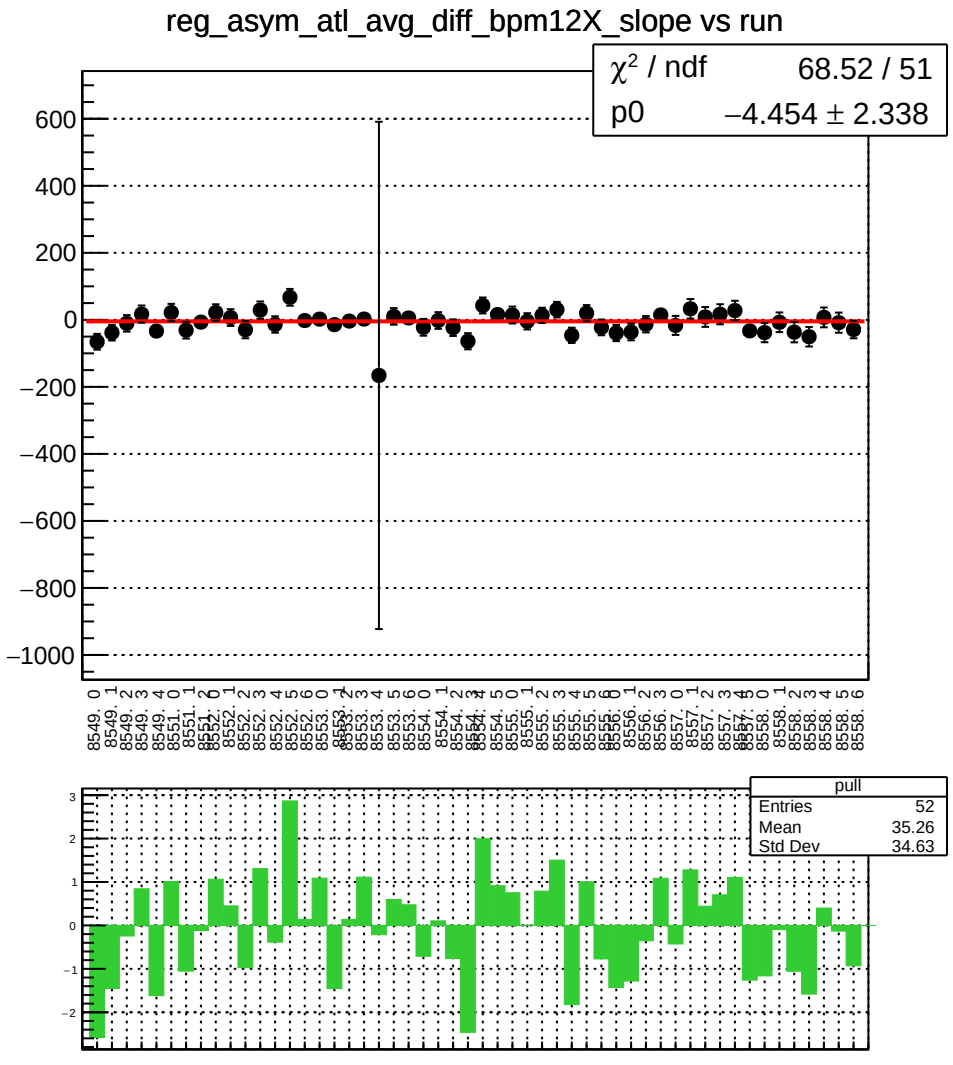

pull1D
Entries 52
Mean −0.02929
Std Dev 1.092

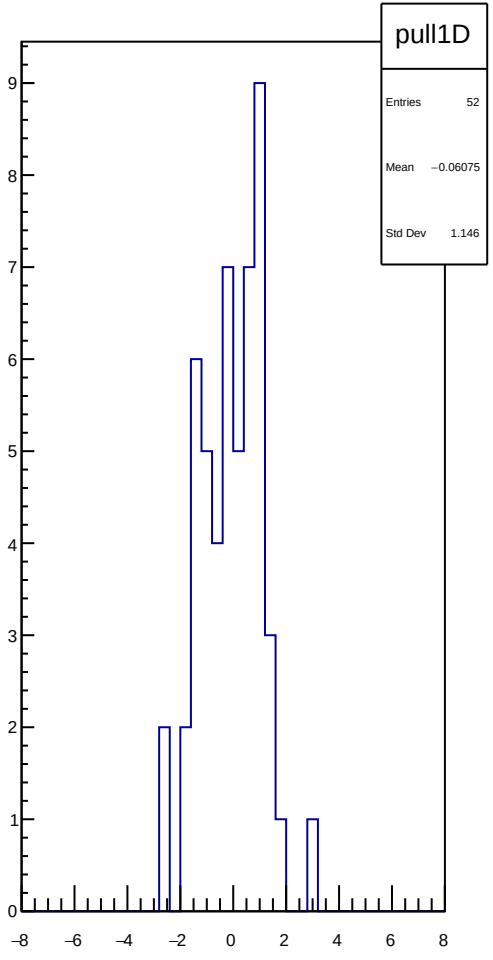

reg_asym_atl_avg_diff_bpm4aY_slope vs run
χ² / ndf 36.87 / 51
p0 15.54 ± 34.22
0
−5000
−10000
−15000
−20000
pull
Entries 52
Mean 74.97
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 52
Mean 0.03347
Std Dev 0.8414
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

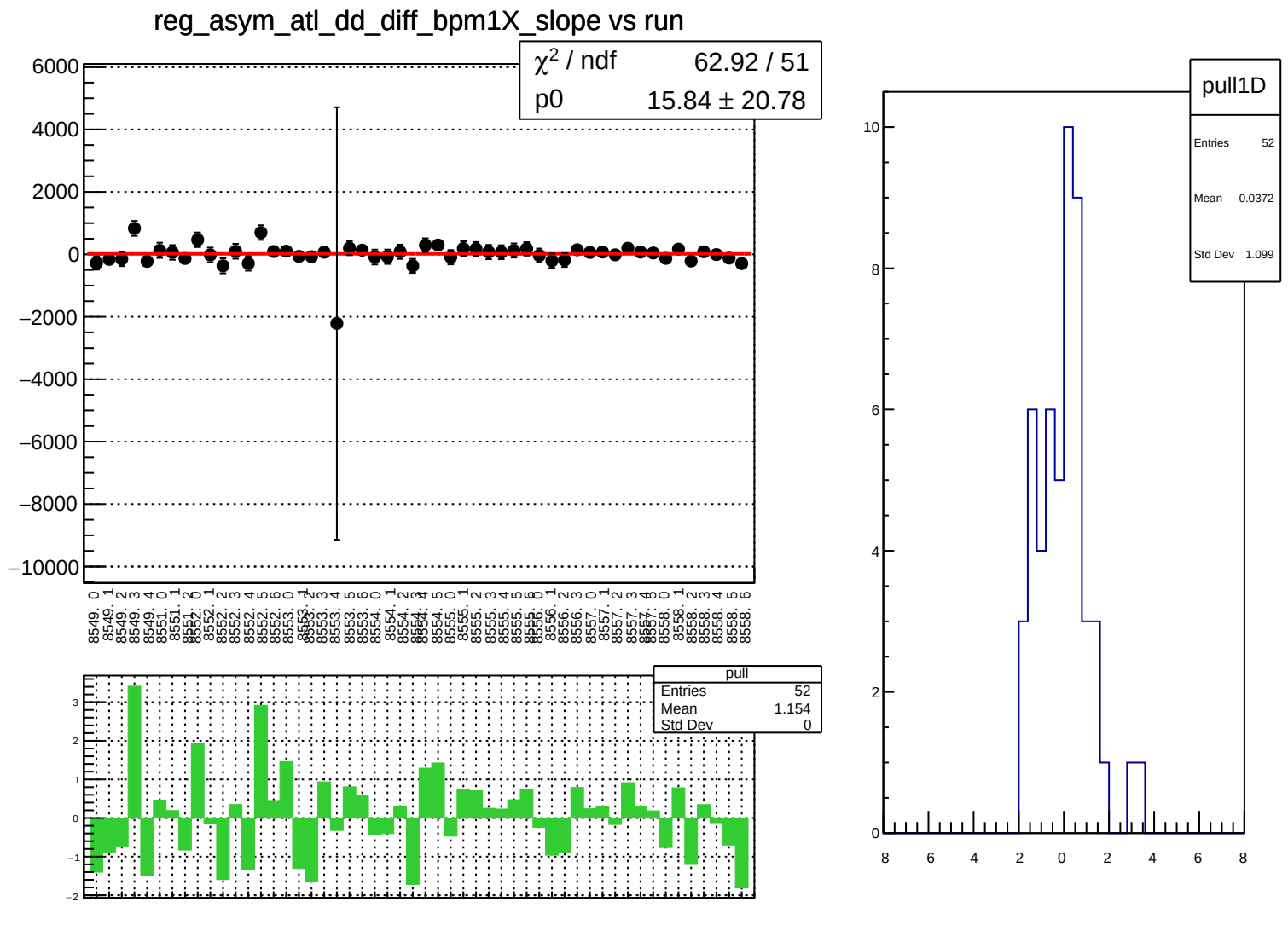

reg_asym_atl_avg_diff_bpm4eX_slope vs run
χ² / ndf 65.2 / 51
p0 21.09 ± 22.32
pull
Entries 52
Mean 69.99
Std Dev 30.86
pull1D
Entries 52
Mean −0.01838
Std Dev 1.12

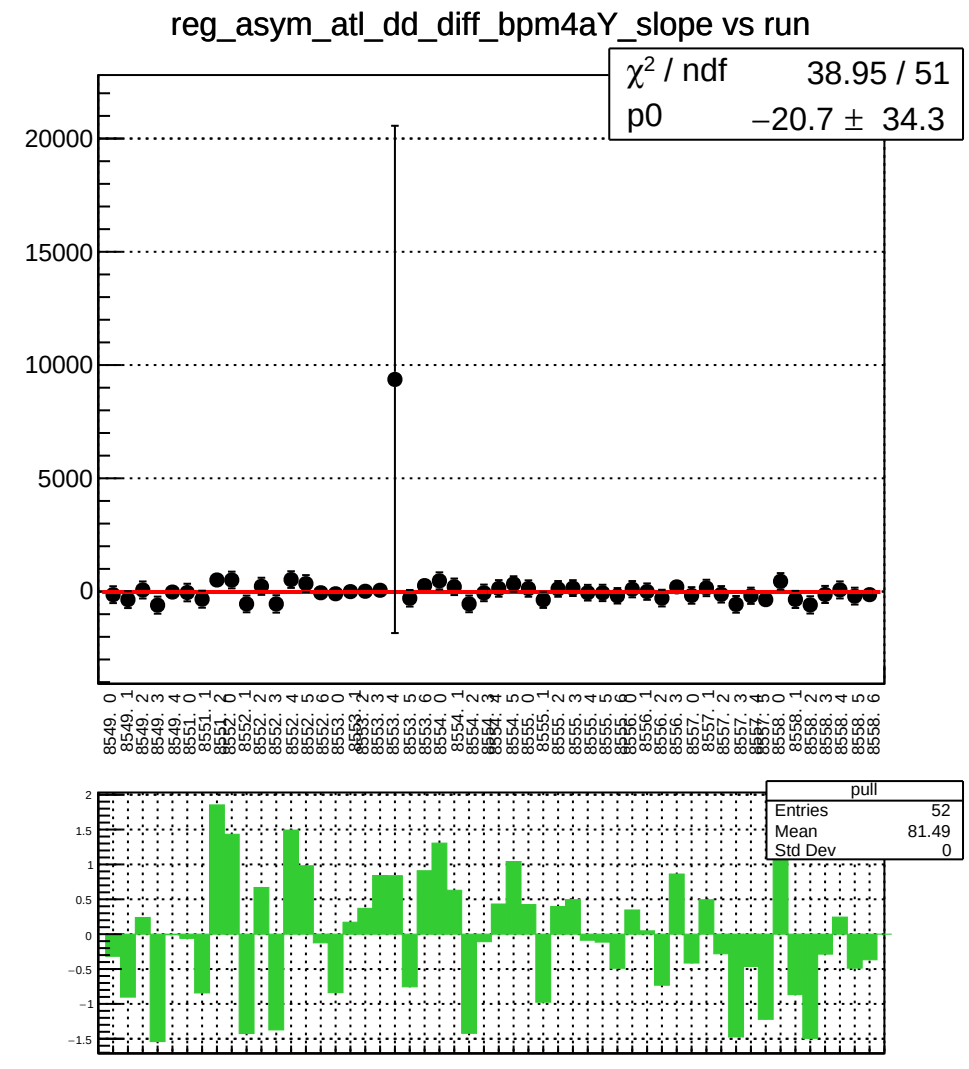

reg_asym_atl_avg_diff_bpm4eY_slope vs run
χ² / ndf 36.53 / 51
p0 −21.2 ± 36.39
20000
15000
10000
5000
0
−5000
pull
Entries 52
Mean 74.84
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5

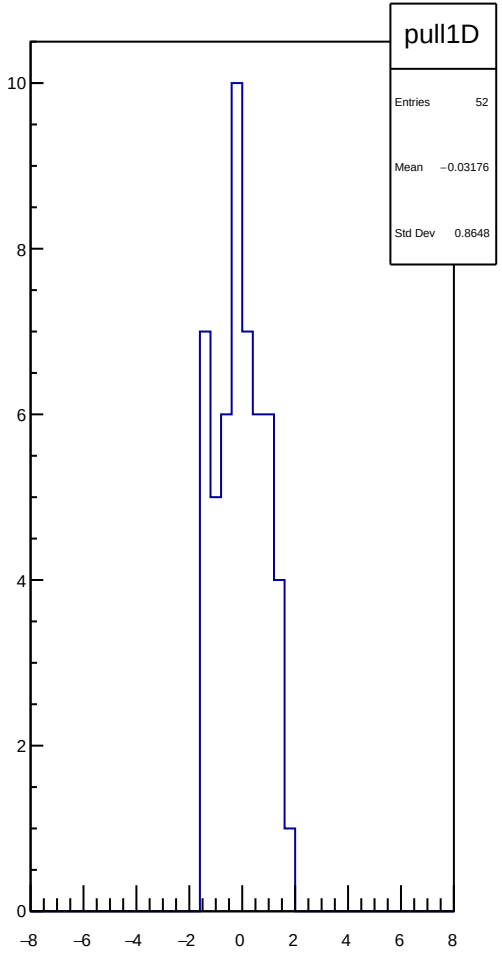

pull1D
Entries 52
Mean −0.03668
Std Dev 0.8374
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

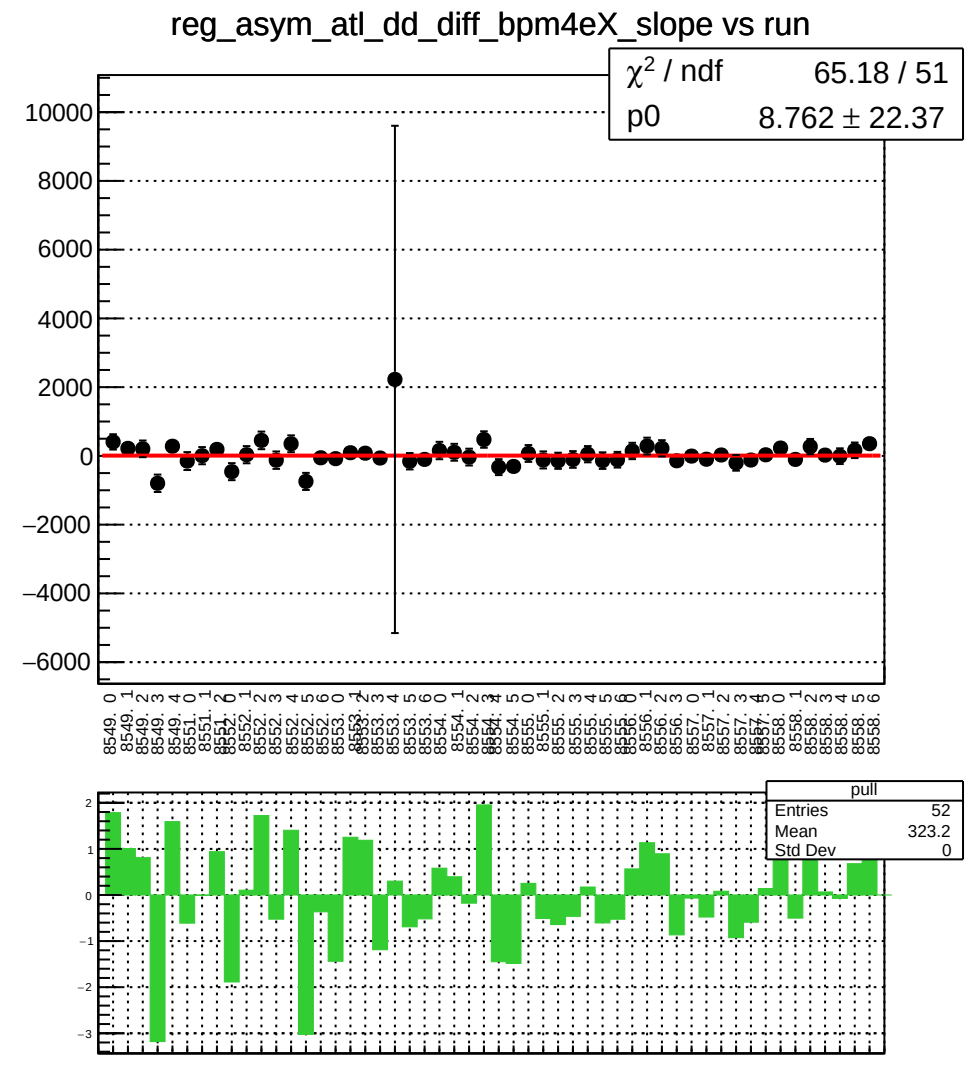

reg_asym_atl_avg_diff_bpm12X_slope vs run
χ² / ndf 68.52 / 51
p0 −4.454 ± 2.338
pull
Entries 52
Mean 35.26
Std Dev 34.63

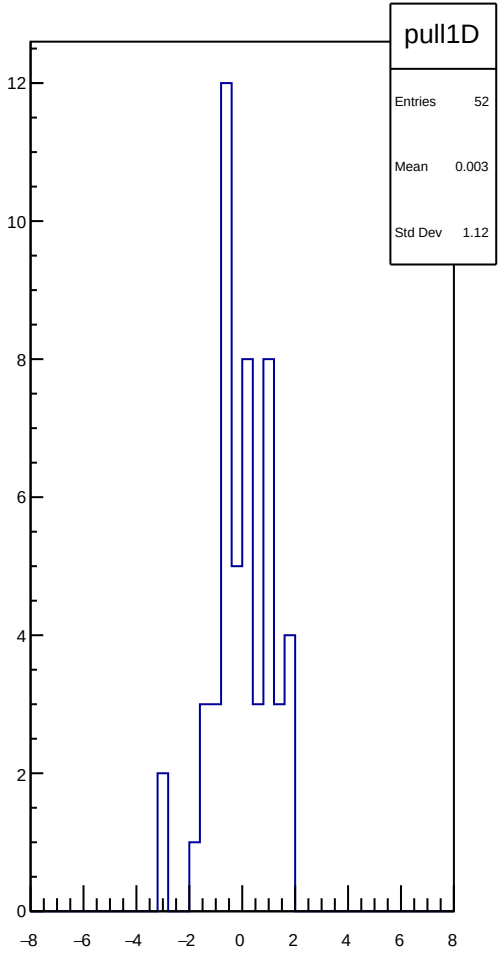

pull1D
Entries 52
Mean −0.06075
Std Dev 1.146

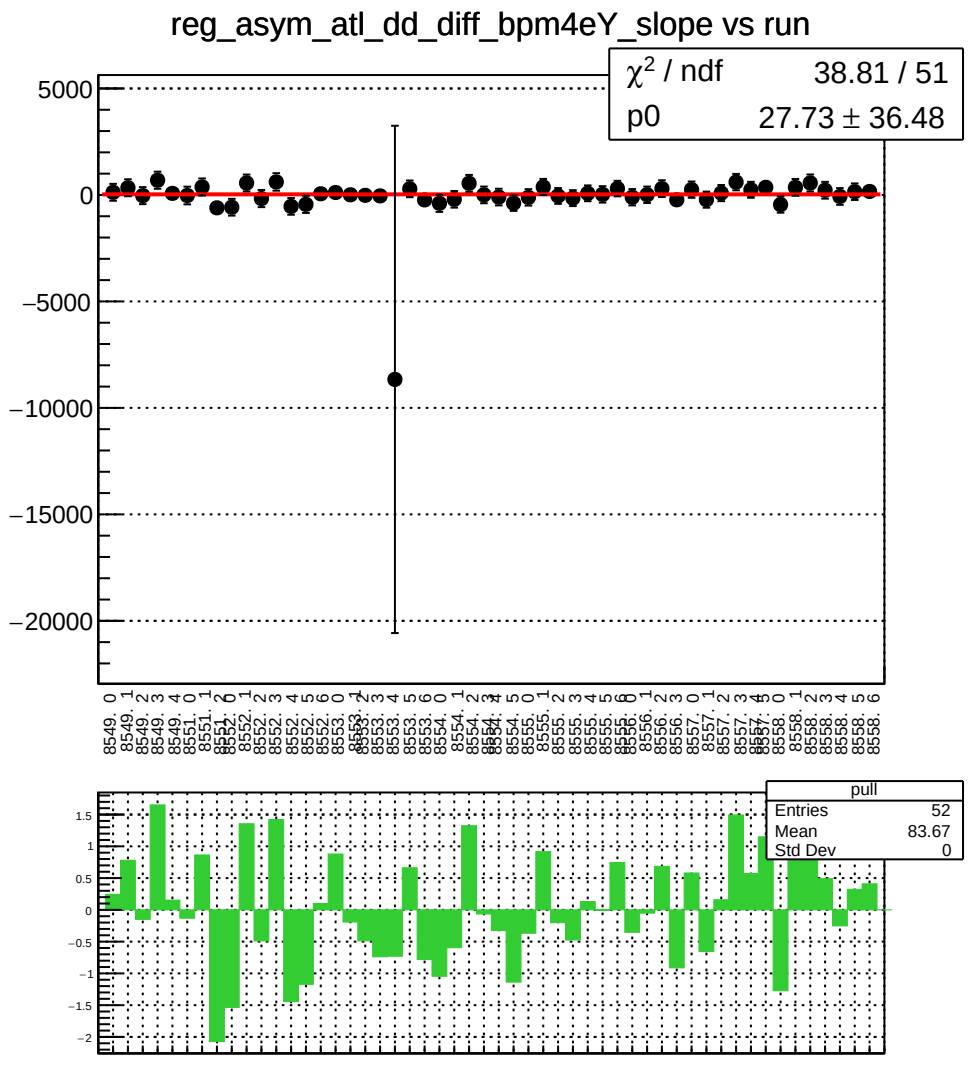

reg_asym_atl_dd_diff_bpm1X_slope vs run
χ² / ndf 62.92 / 51
p0 15.84 ± 20.78
pull
Entries 52
Mean 1.154
Std Dev 0
pull1D
Entries 52
Mean 0.0372
Std Dev 1.099

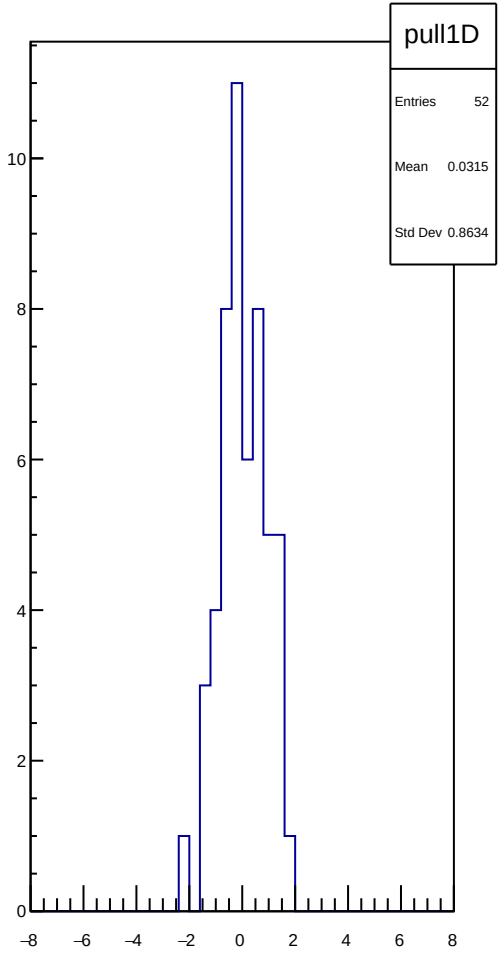

reg_asym_atl_dd_diff_bpm4aY_slope vs run
χ² / ndf 38.95 / 51
p0 −20.7 ± 34.3
20000
15000
10000
5000
0
pull
Entries 52
Mean 81.49
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5

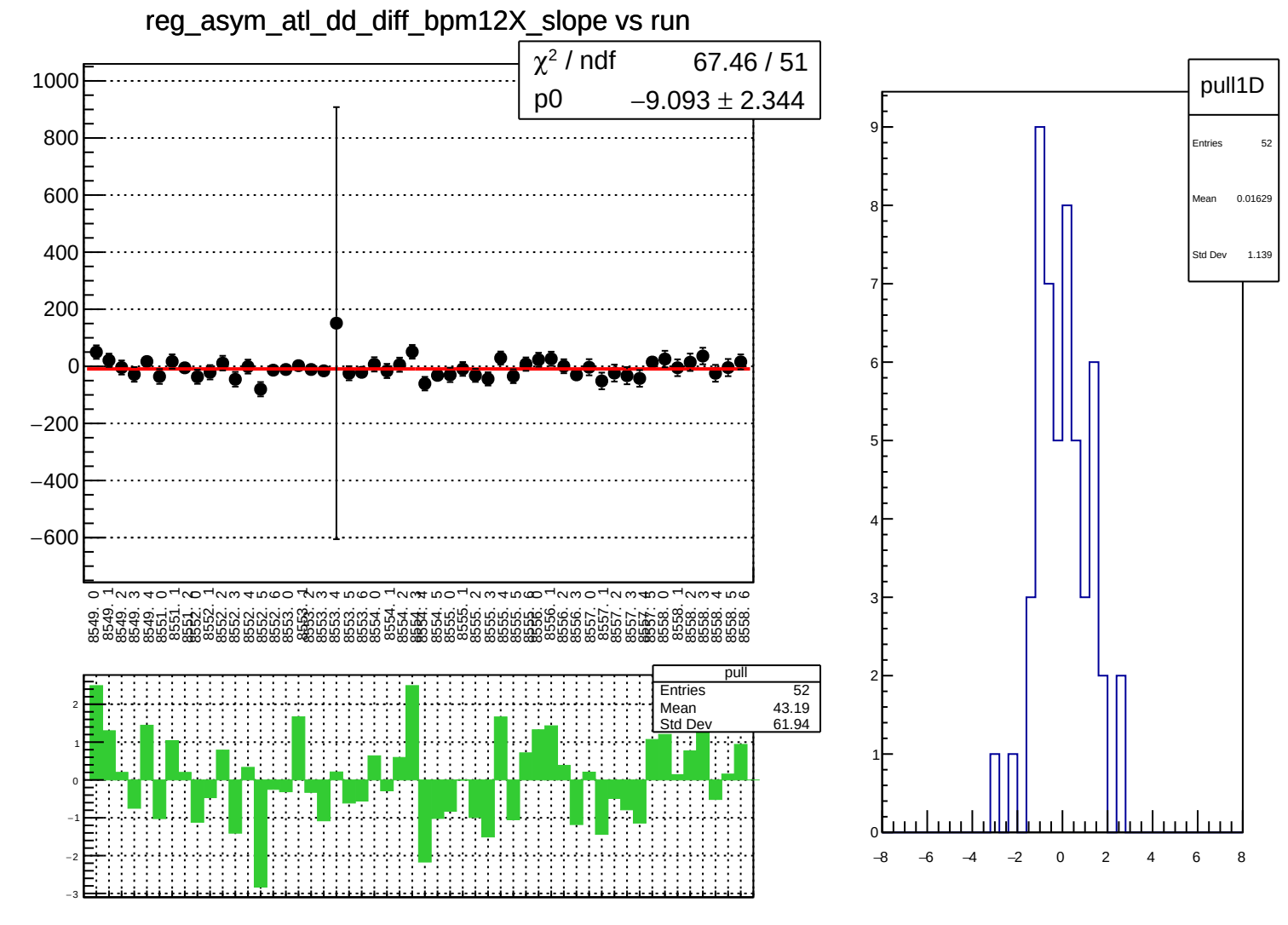

pull1D
Entries 52
Mean −0.03176
Std Dev 0.8648
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

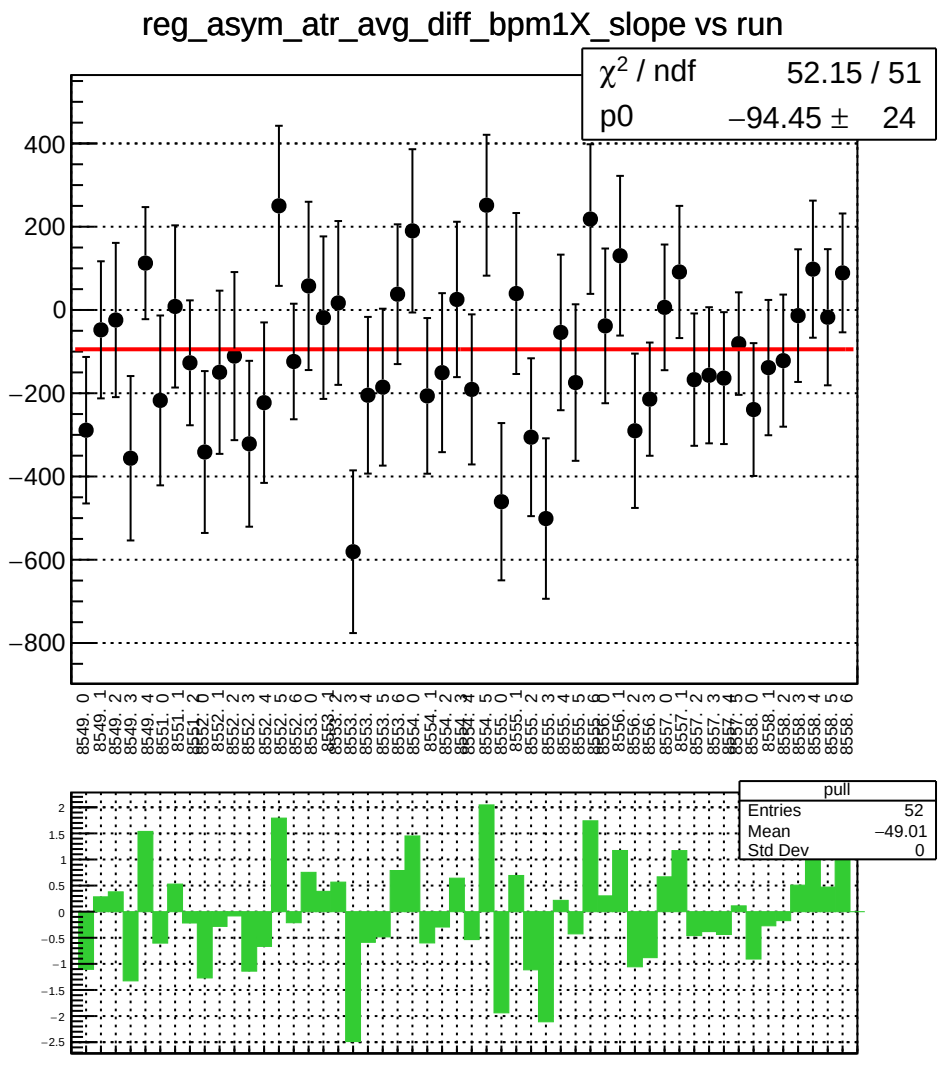

reg_asym_atl_dd_diff_bpm4eX_slope vs run
χ² / ndf 65.18 / 51
p0 8.762 ± 22.37
pull
Entries 52
Mean 323.2
Std Dev 0

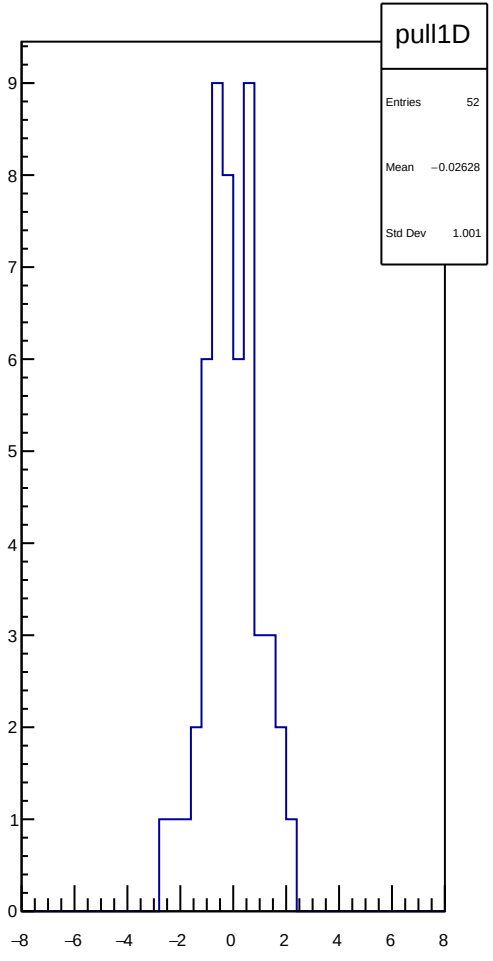

pull1D
Entries 52
Mean 0.003
Std Dev 1.12

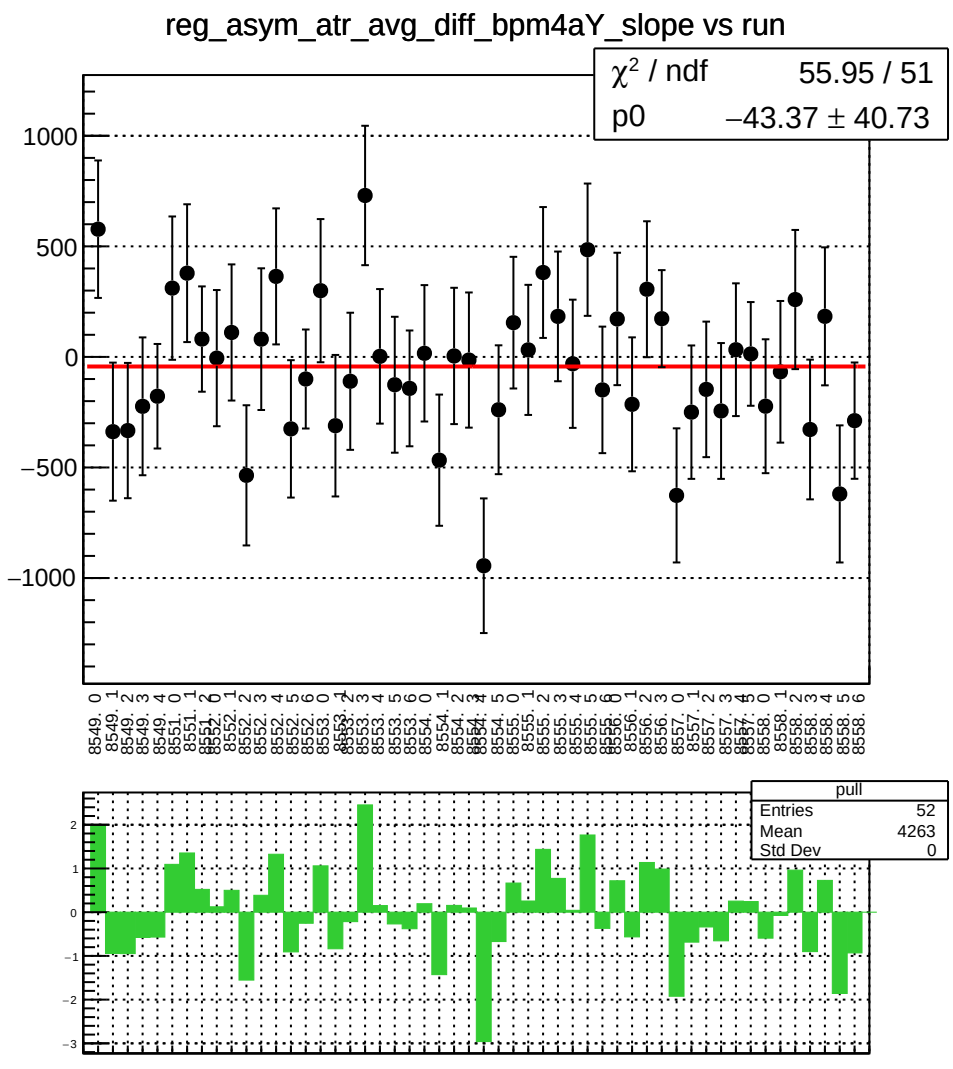

reg_asym_atl_dd_diff_bpm4eY_slope vs run
χ² / ndf 38.81 / 51
p0 27.73 ± 36.48
5000
0
−5000
−10000
−15000
−20000
pull
Entries 52
Mean 83.67
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2

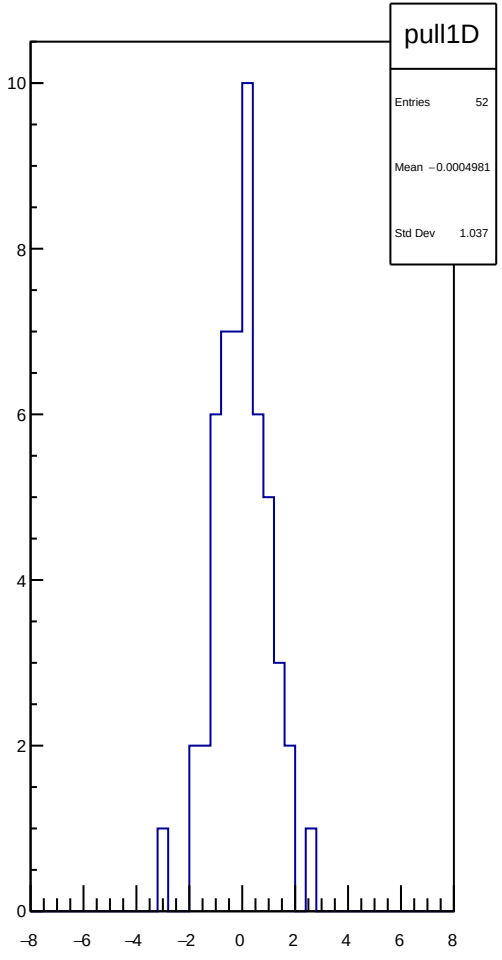

pull1D
Entries 52
Mean 0.0315
Std Dev 0.8634
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

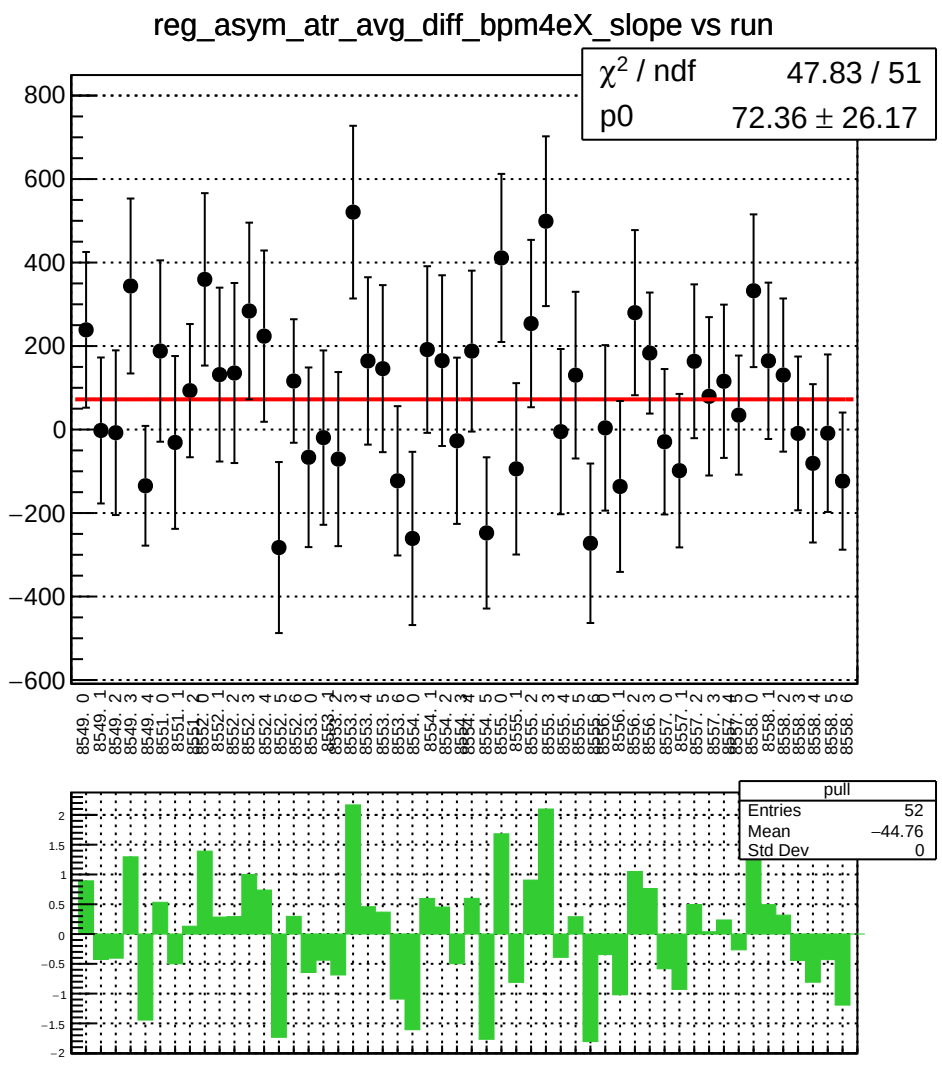

reg_asym_atl_dd_diff_bpm12X_slope vs run
χ² / ndf 67.46 / 51
p0 −9.093 ± 2.344
pull
Entries 52
Mean 43.19
Std Dev 61.94
pull1D
Entries 52
Mean 0.01629
Std Dev 1.139

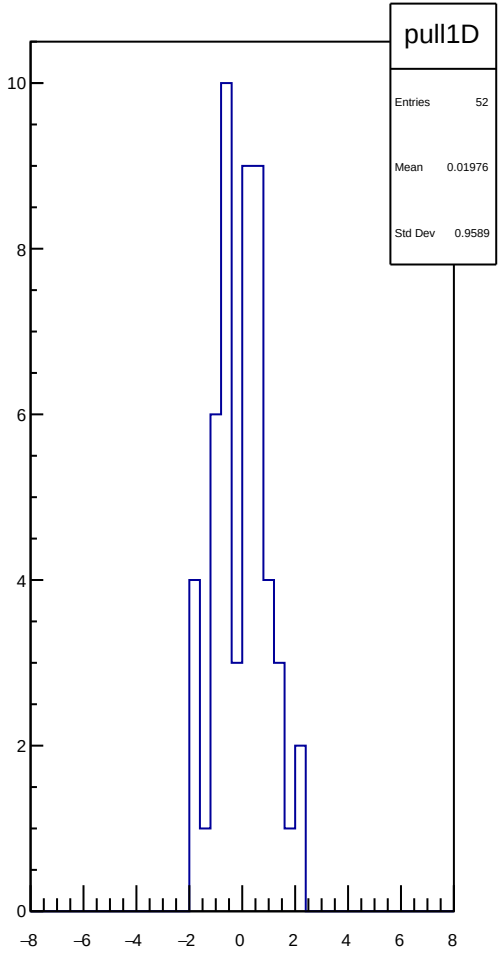

reg_asym_atr_avg_diff_bpm1X_slope vs run
χ² / ndf 52.15 / 51
p0 −94.45 ± 24
pull
Entries 52
Mean −49.01
Std Dev 0

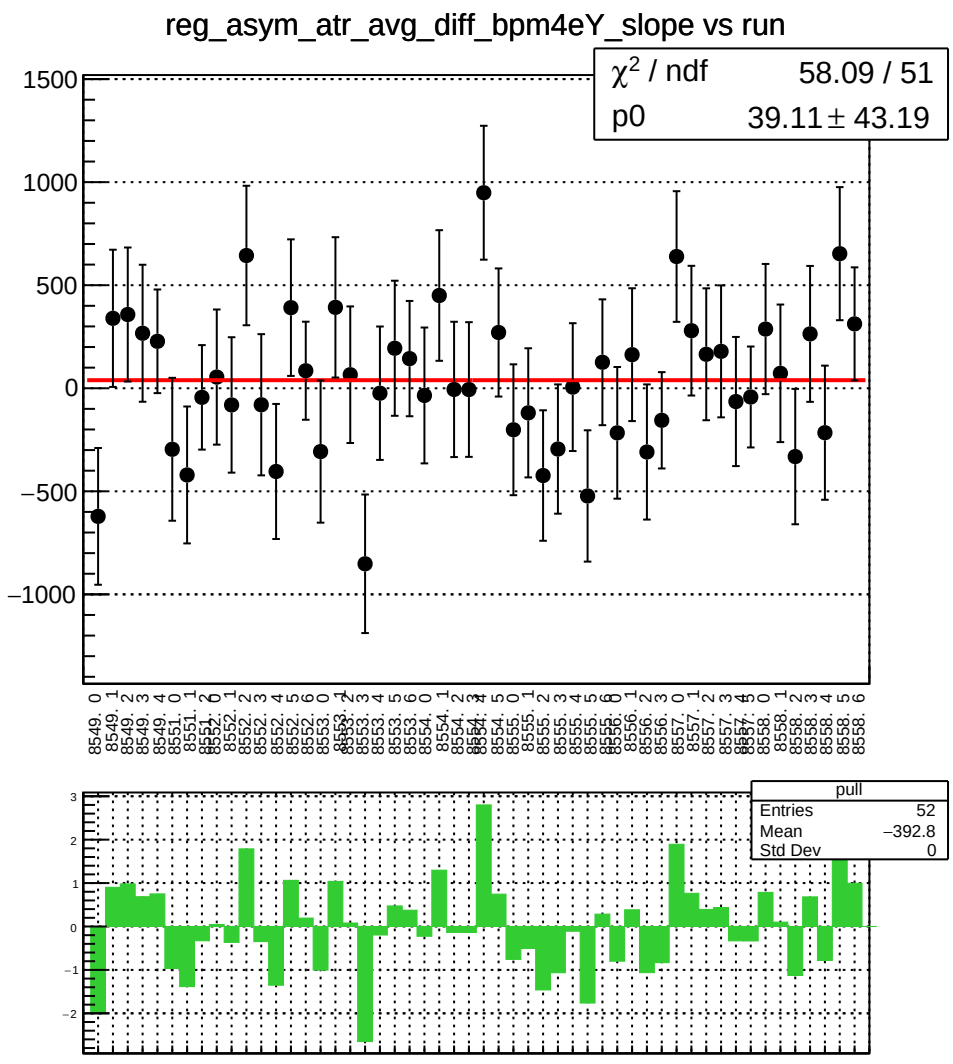

pull1D
Entries 52
Mean −0.02628
Std Dev 1.001

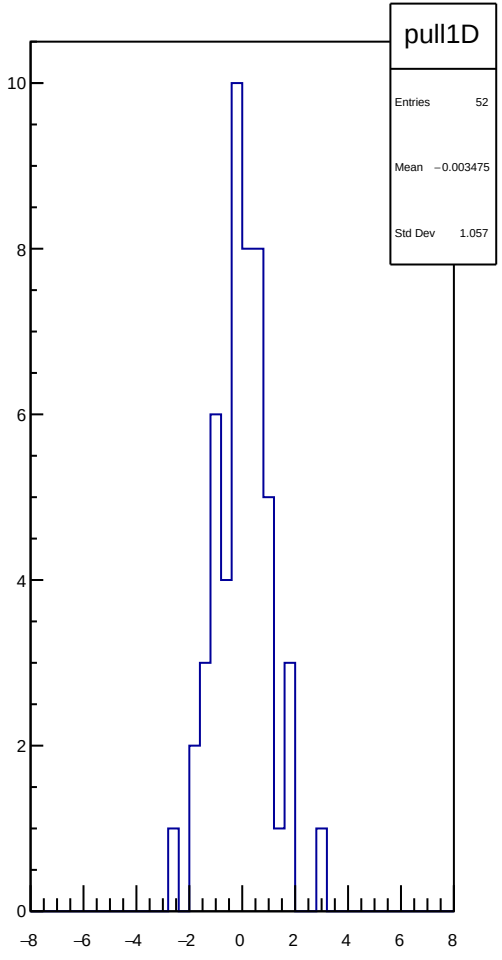

reg_asym_atr_avg_diff_bpm4aY_slope vs run
χ² / ndf 55.95 / 51
p0 −43.37 ± 40.73
1000
500
0
−500
−1000
pull
Entries 52
Mean 4263
Std Dev 0
2
1
0
−1
−2
−3

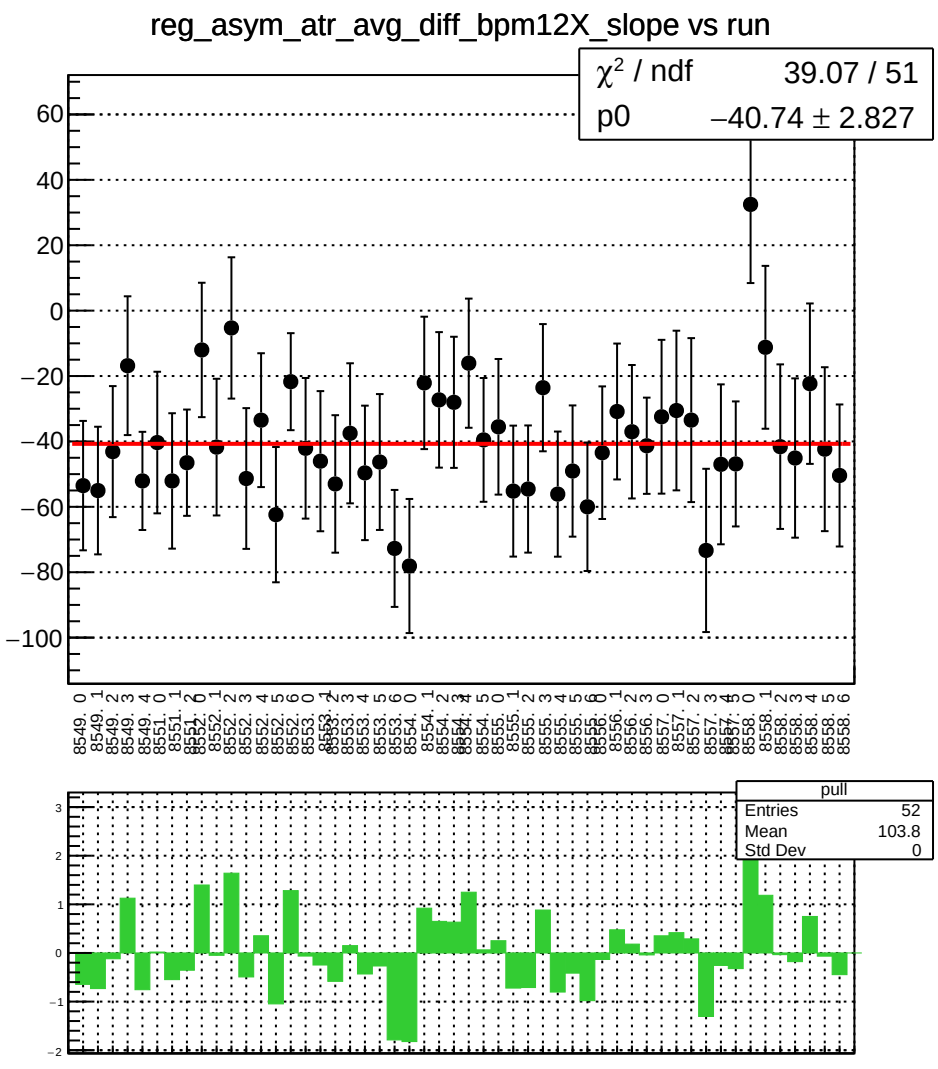

pull1D
Entries 52
Mean −0.0004981
Std Dev 1.037
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

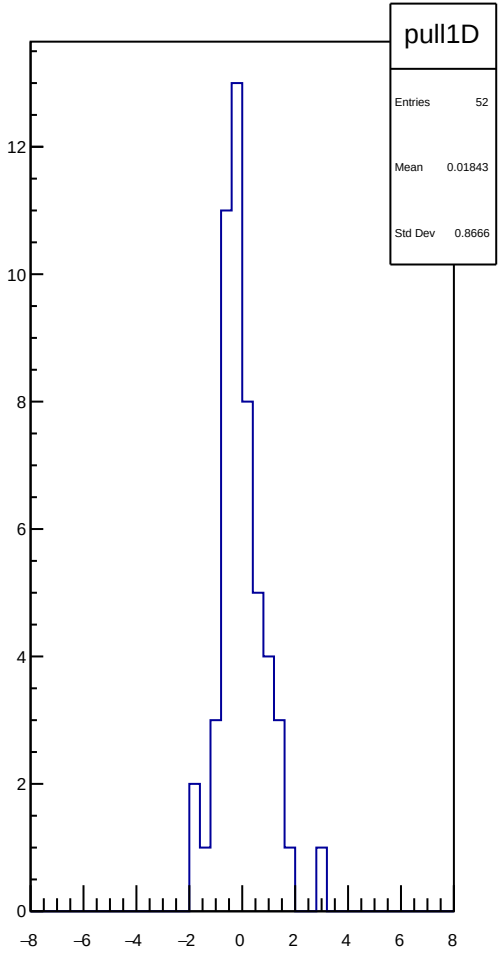

reg_asym_atr_avg_diff_bpm4eX_slope vs run
χ² / ndf 47.83 / 51
p0 72.36 ± 26.17
pull
Entries 52
Mean −44.76
Std Dev 0

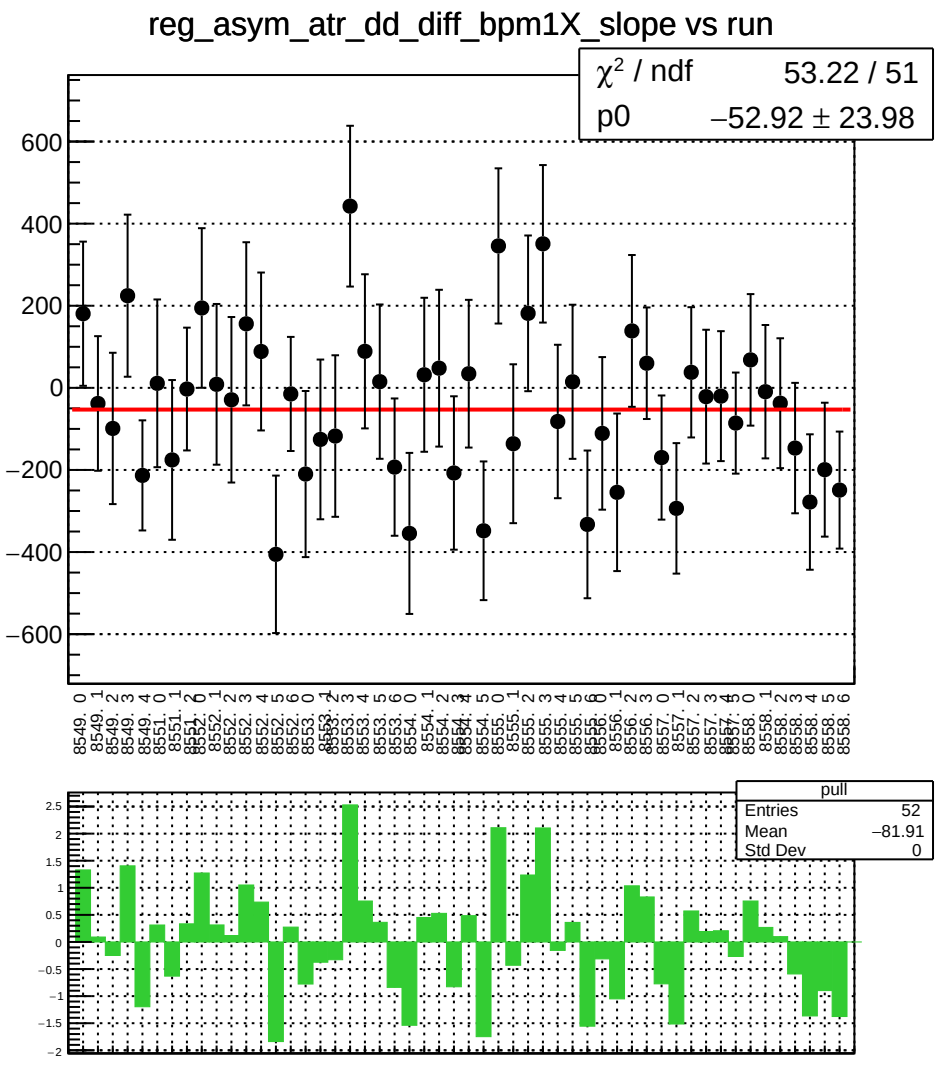

pull1D
Entries 52
Mean 0.01976
Std Dev 0.9589

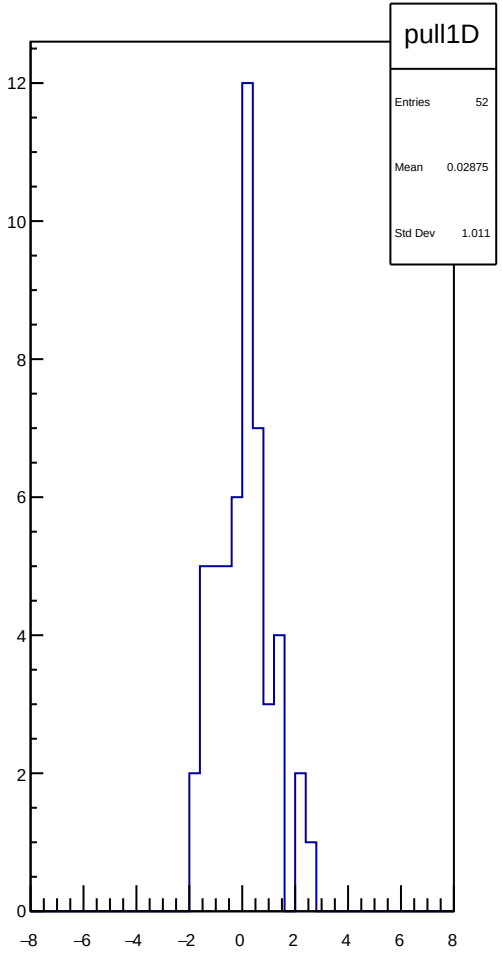

reg_asym_atr_avg_diff_bpm4eY_slope vs run
χ² / ndf 58.09 / 51
p0 39.11 ± 43.19
1500
1000
500
0
−500
−1000
pull
Entries 52
Mean −392.8
Std Dev 0
3
2
1
0
−1
−2

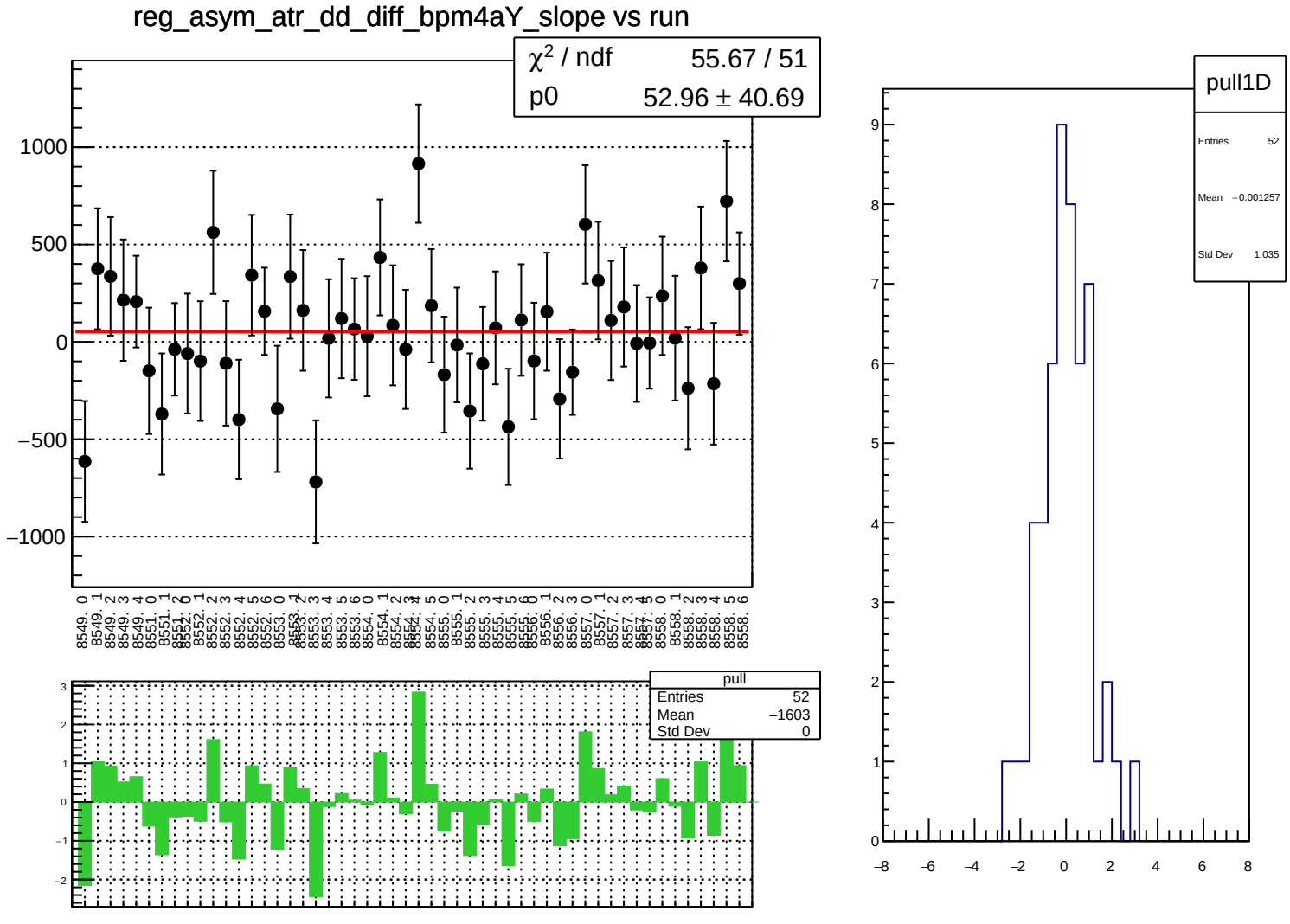

pull1D
Entries 52
Mean −0.003475
Std Dev 1.057
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

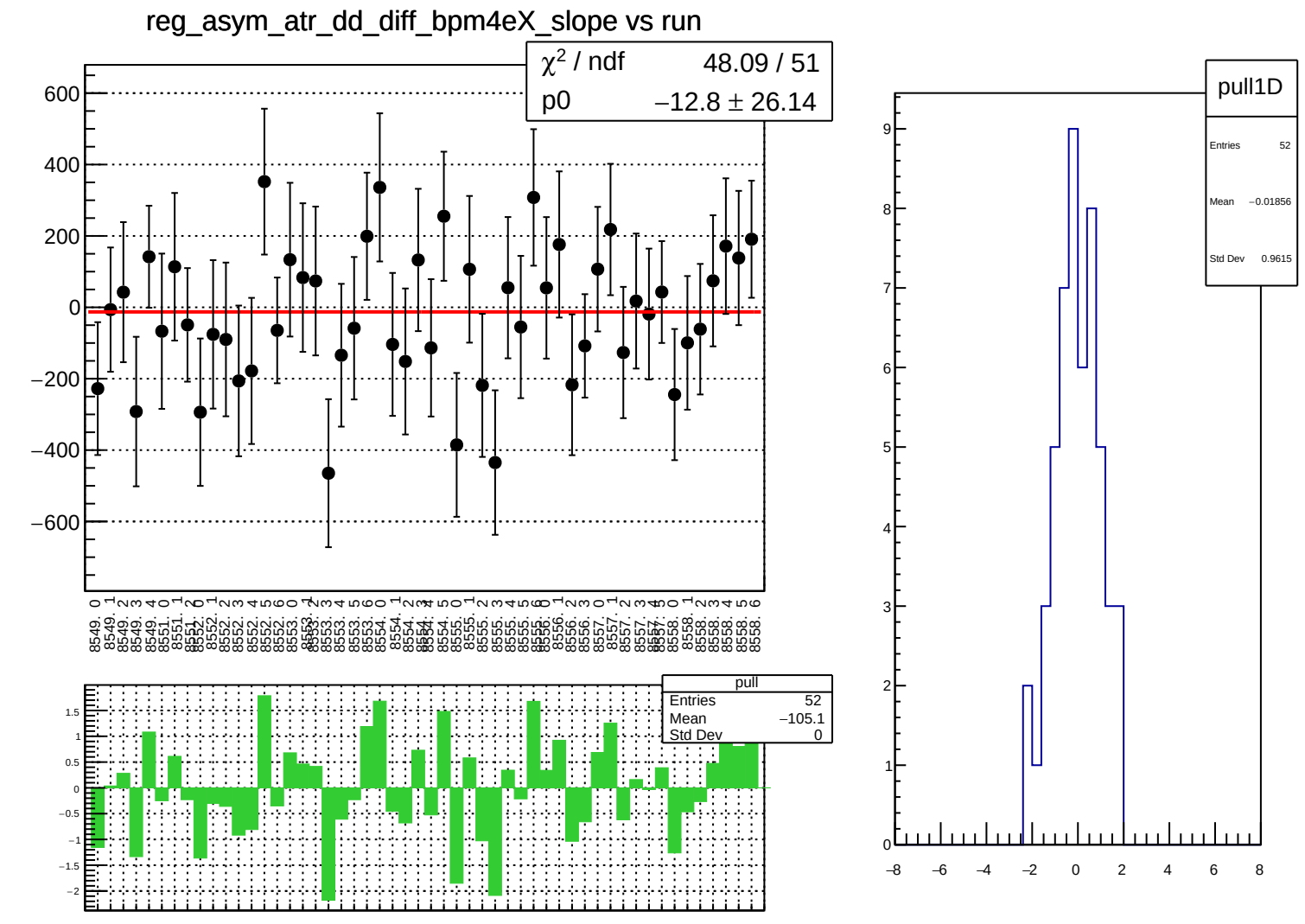

reg_asym_atr_avg_diff_bpm12X_slope vs run
χ² / ndf 39.07 / 51
p0 −40.74 ± 2.827
pull
Entries 52
Mean 103.8
Std Dev 0

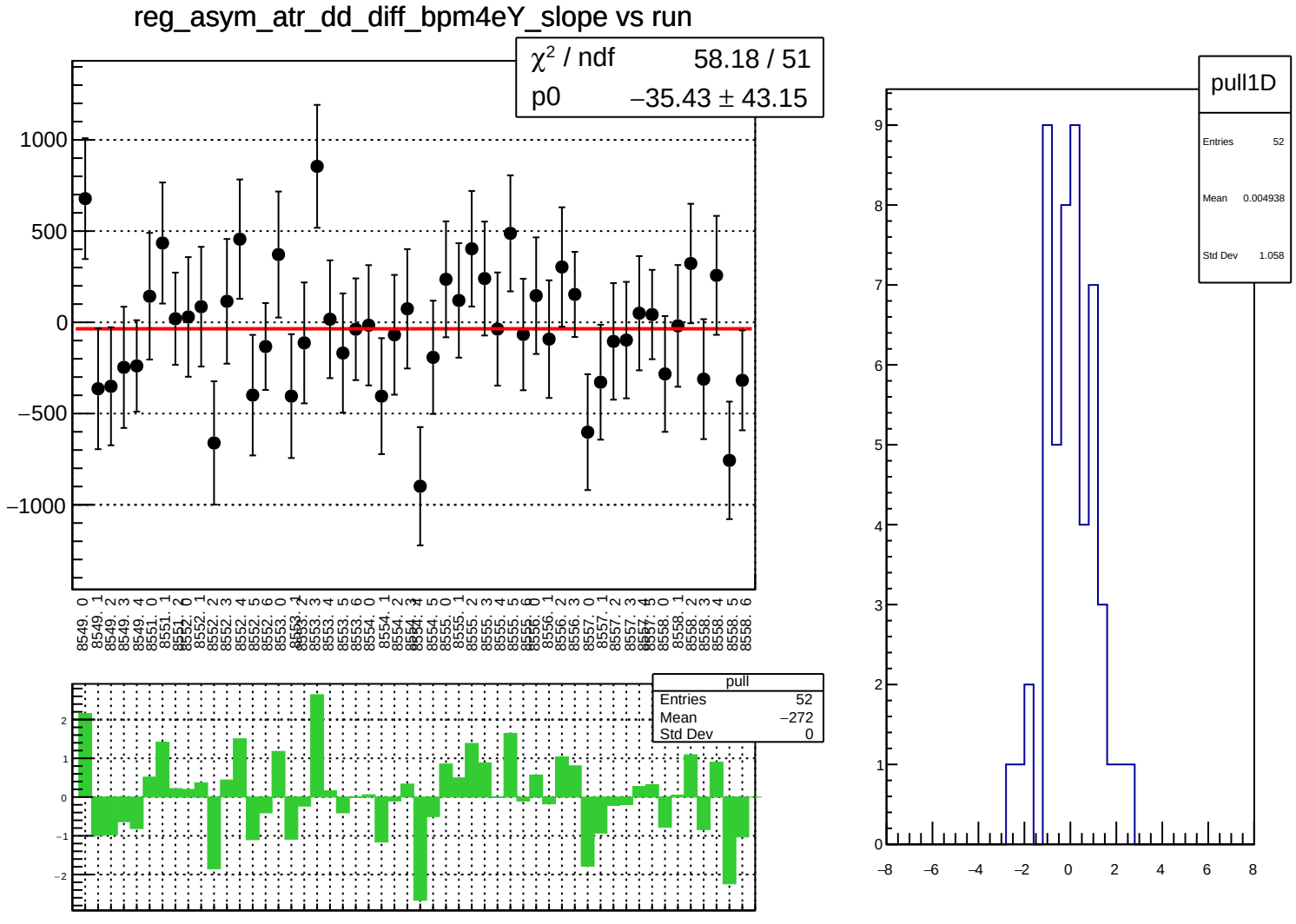

pull1D
Entries 52
Mean 0.01843
Std Dev 0.8666

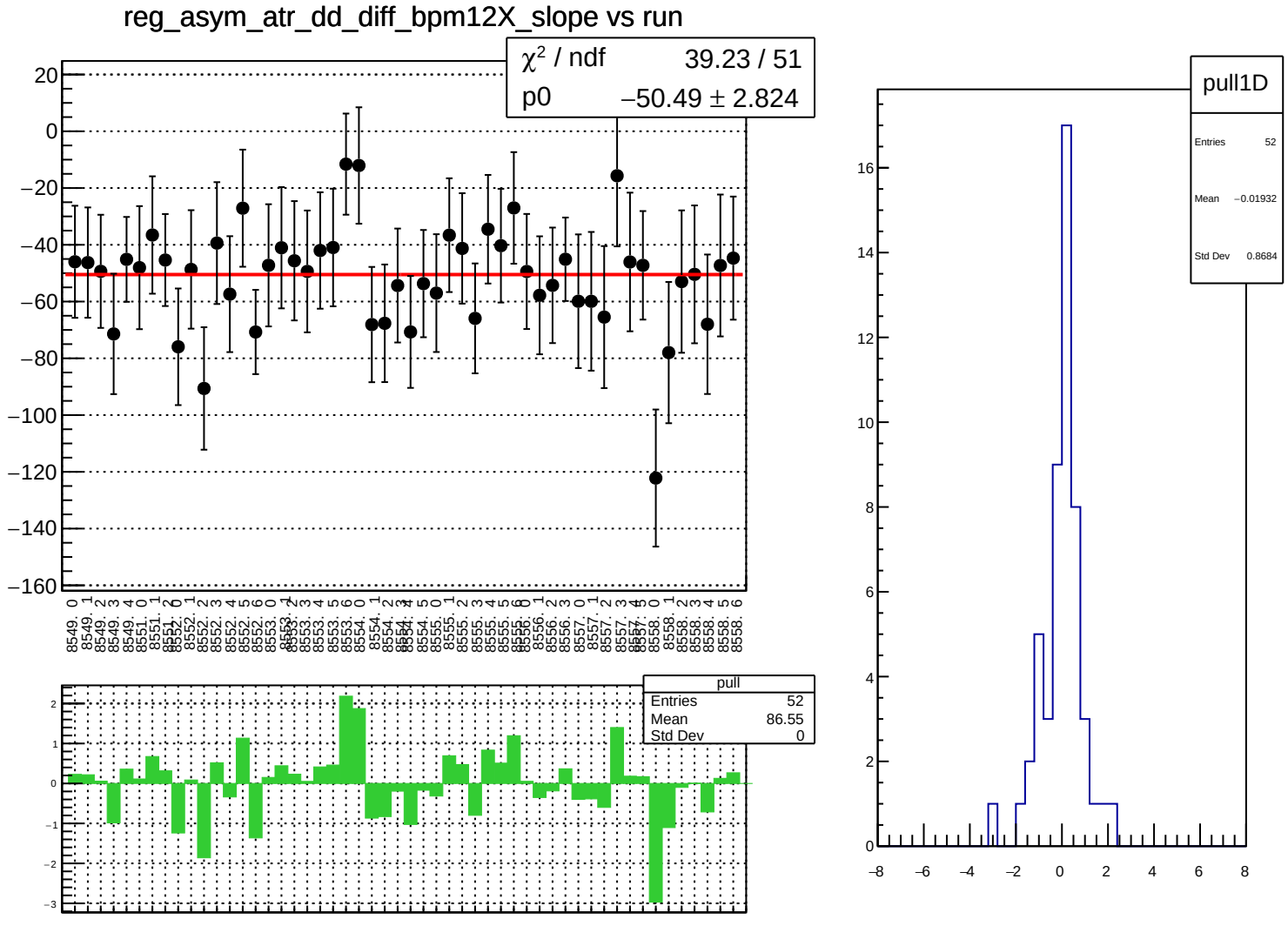

reg_asym_atr_dd_diff_bpm1X_slope vs run
χ² / ndf 53.22 / 51
p0 −52.92 ± 23.98
pull
Entries 52
Mean −81.91
Std Dev 0

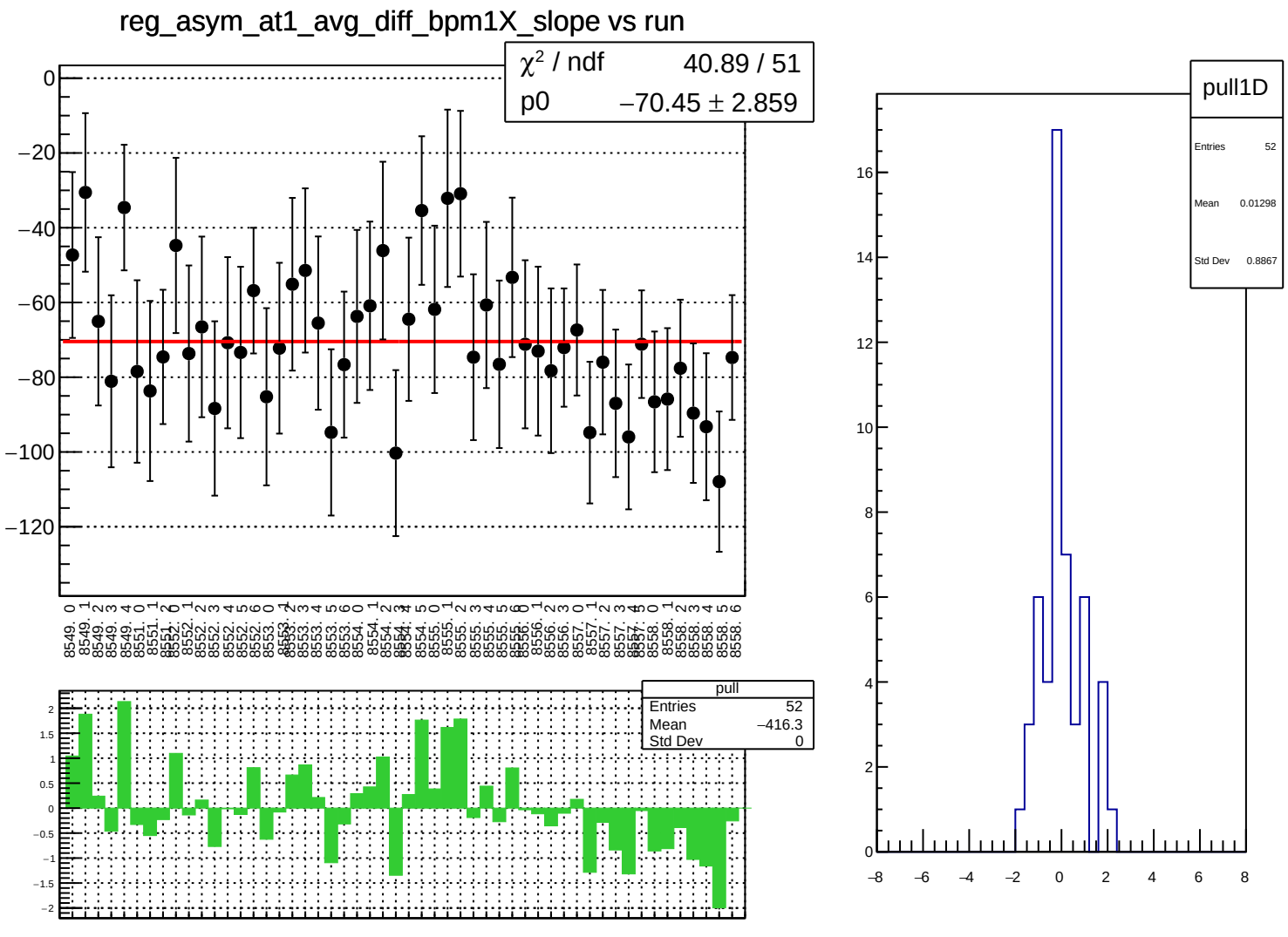

pull1D
Entries 52
Mean 0.02875
Std Dev 1.011

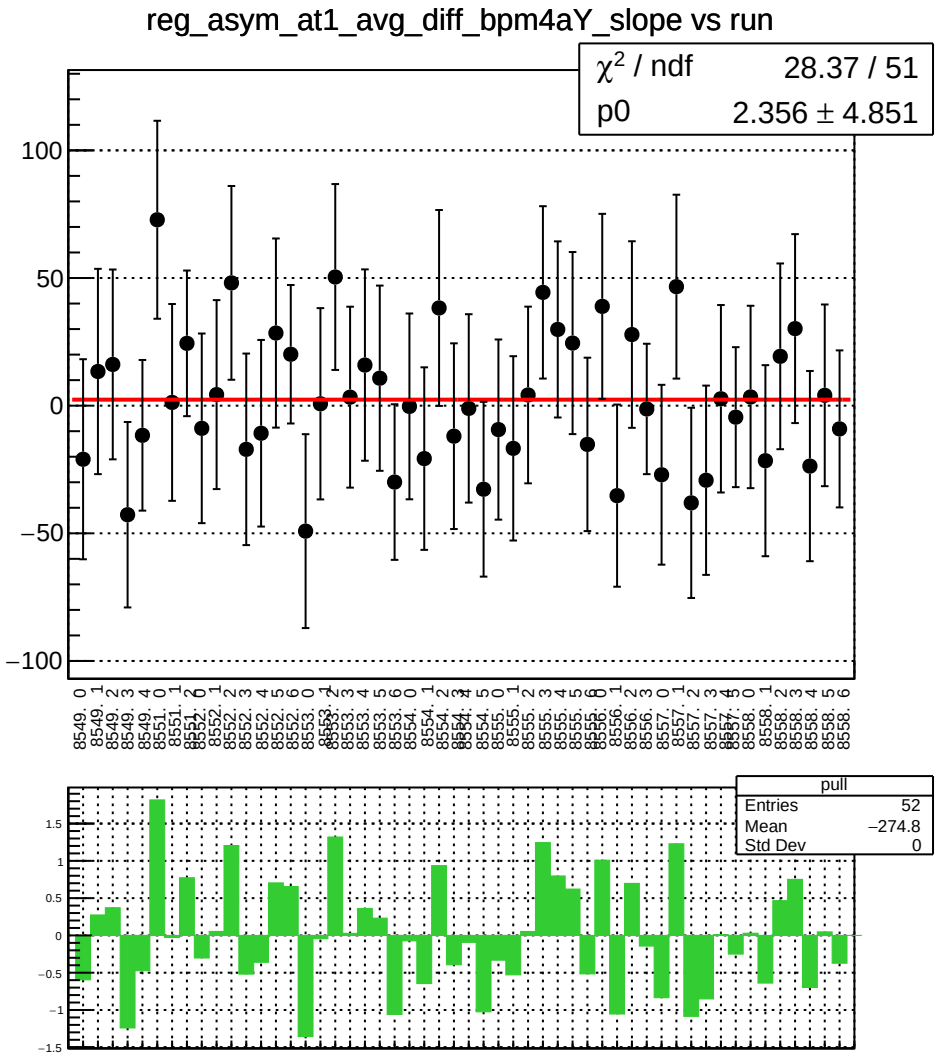

reg_asym_atr_dd_diff_bpm4aY_slope vs run
χ² / ndf 55.67 / 51
p0 52.96 ± 40.69
1000
500
0
−500
−1000
pull
Entries 52
Mean −1603
Std Dev 0
pull1D
Entries 52
Mean −0.001257
Std Dev 1.035

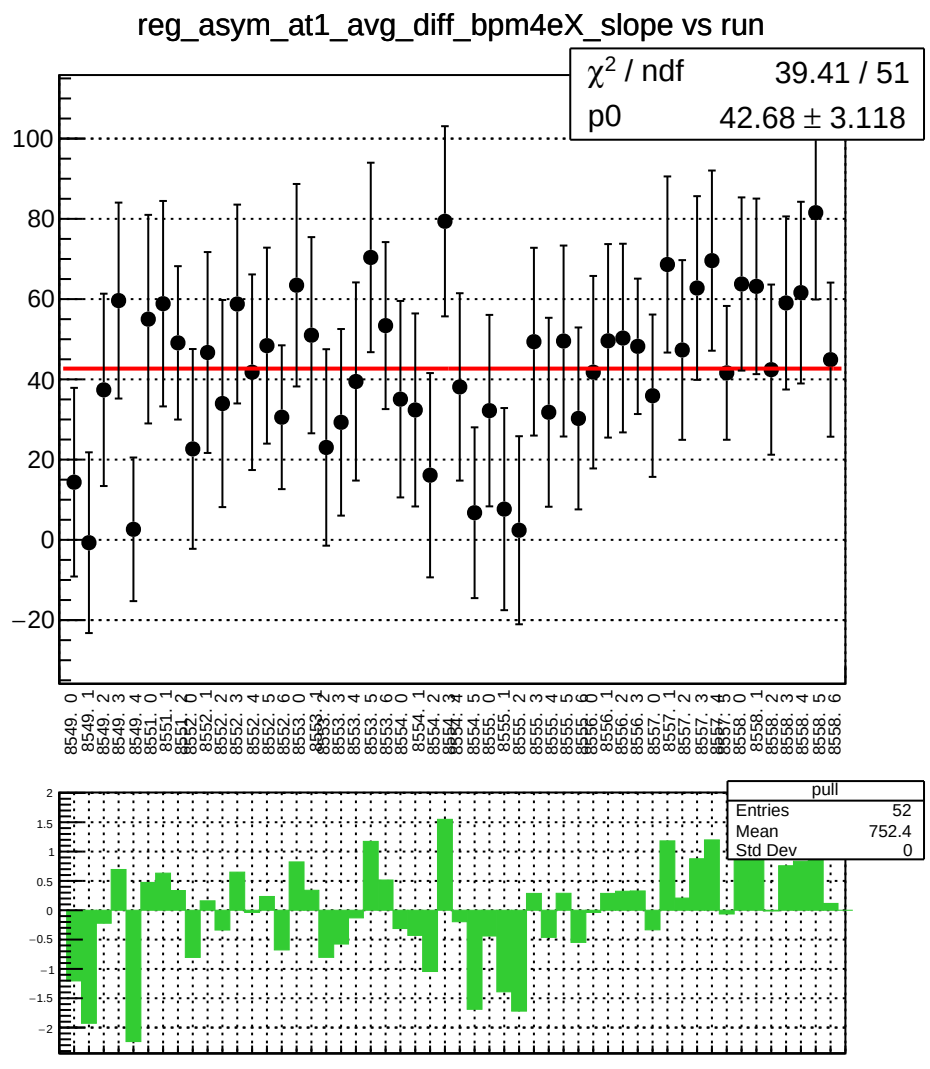

reg_asym_atr_dd_diff_bpm4eX_slope vs run
χ² / ndf 48.09 / 51
p0 −12.8 ± 26.14
pull
Entries 52
Mean −105.1
Std Dev 0
pull1D
Entries 52
Mean −0.01856
Std Dev 0.9615

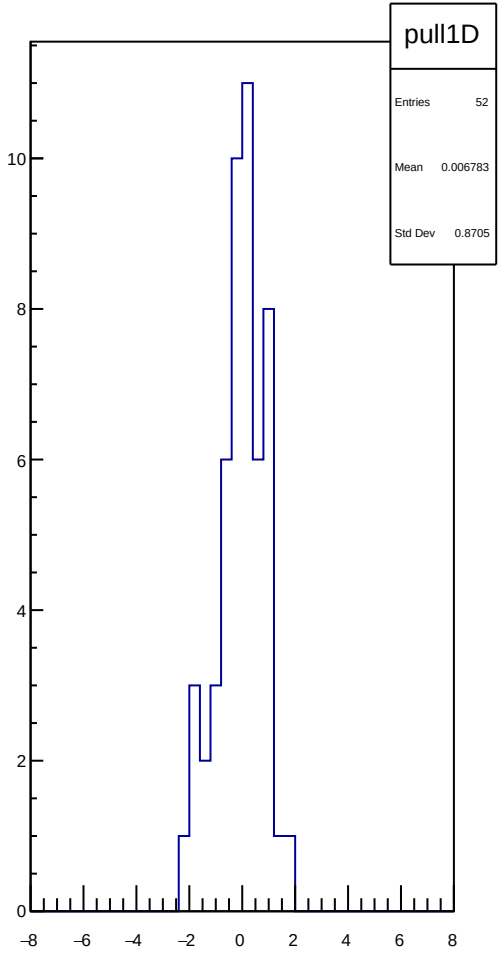

reg_asym_atr_dd_diff_bpm4eY_slope vs run
χ² / ndf 58.18 / 51
p0 −35.43 ± 43.15
1000
500
0
−500
−1000
pull
Entries 52
Mean −272
Std Dev 0
pull1D
Entries 52
Mean 0.004938
Std Dev 1.058

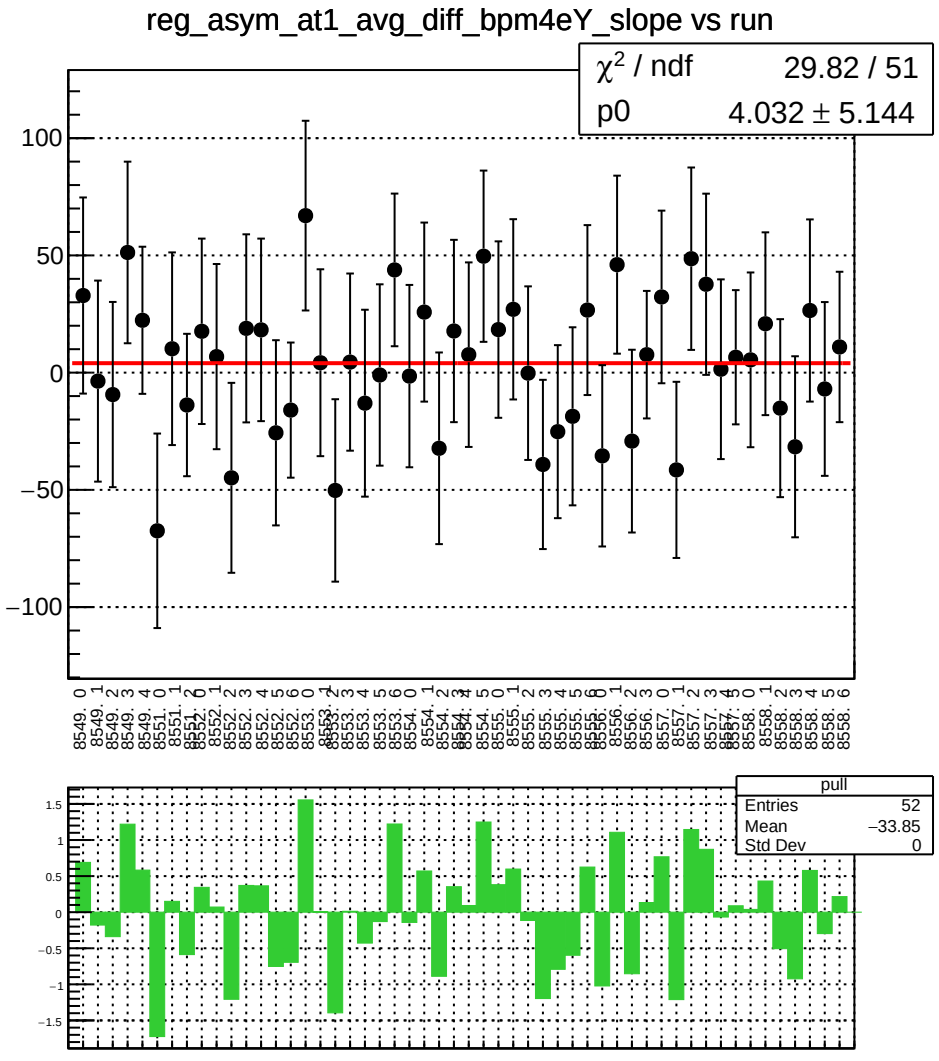

reg_asym_atr_dd_diff_bpm12X_slope vs run
χ² / ndf 39.23 / 51
p0 −50.49 ± 2.824
pull
Entries 52
Mean 86.55
Std Dev 0
pull1D
Entries 52
Mean −0.01932
Std Dev 0.8684

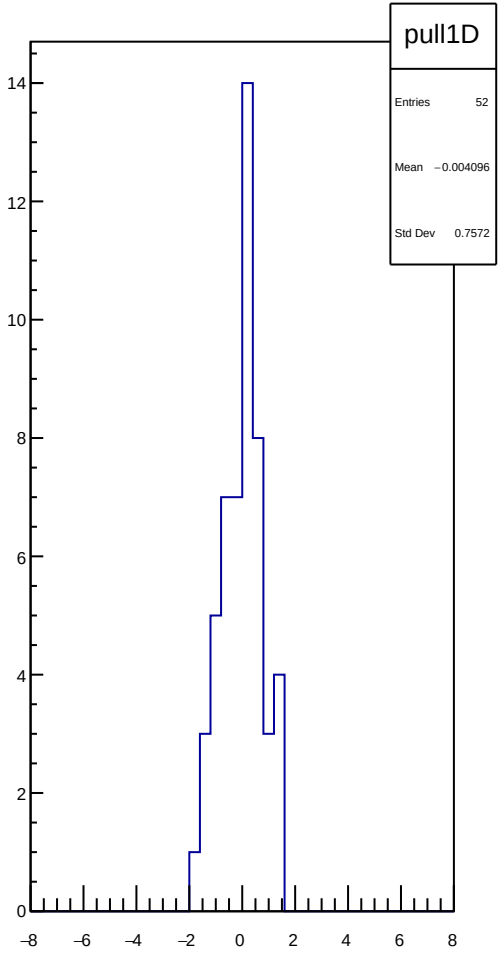

reg_asym_at1_avg_diff_bpm1X_slope vs run
χ² / ndf 40.89 / 51
p0 −70.45 ± 2.859
pull
Entries 52
Mean −416.3
Std Dev 0
pull1D
Entries 52
Mean 0.01298
Std Dev 0.8867

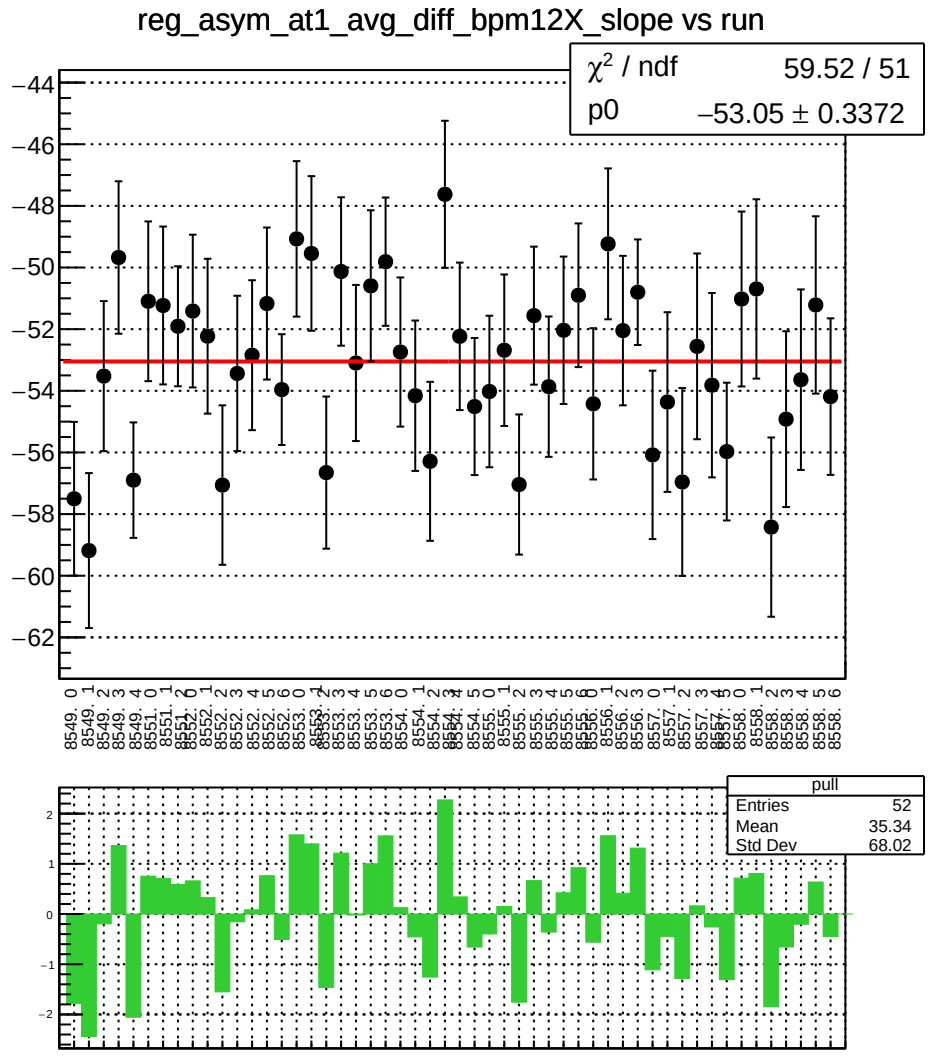

reg_asym_at1_avg_diff_bpm4aY_slope vs run
χ² / ndf 28.37 / 51
p0 2.356 ± 4.851
pull
Entries 52
Mean −274.8
Std Dev 0
pull1D
Entries 52
Mean 0.003353
Std Dev 0.7386

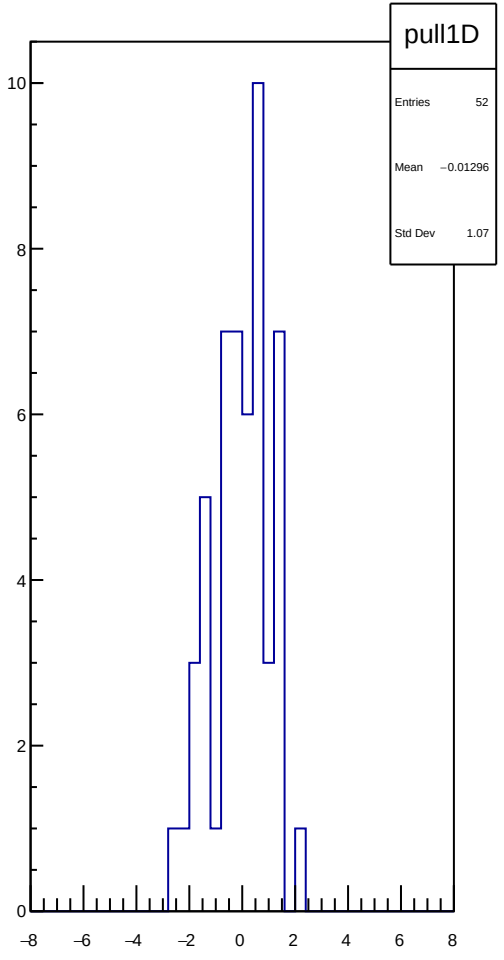

reg_asym_at1_avg_diff_bpm4eX_slope vs run
χ² / ndf 39.41 / 51
p0 42.68 ± 3.118
pull
Entries 52
Mean 752.4
Std Dev 0

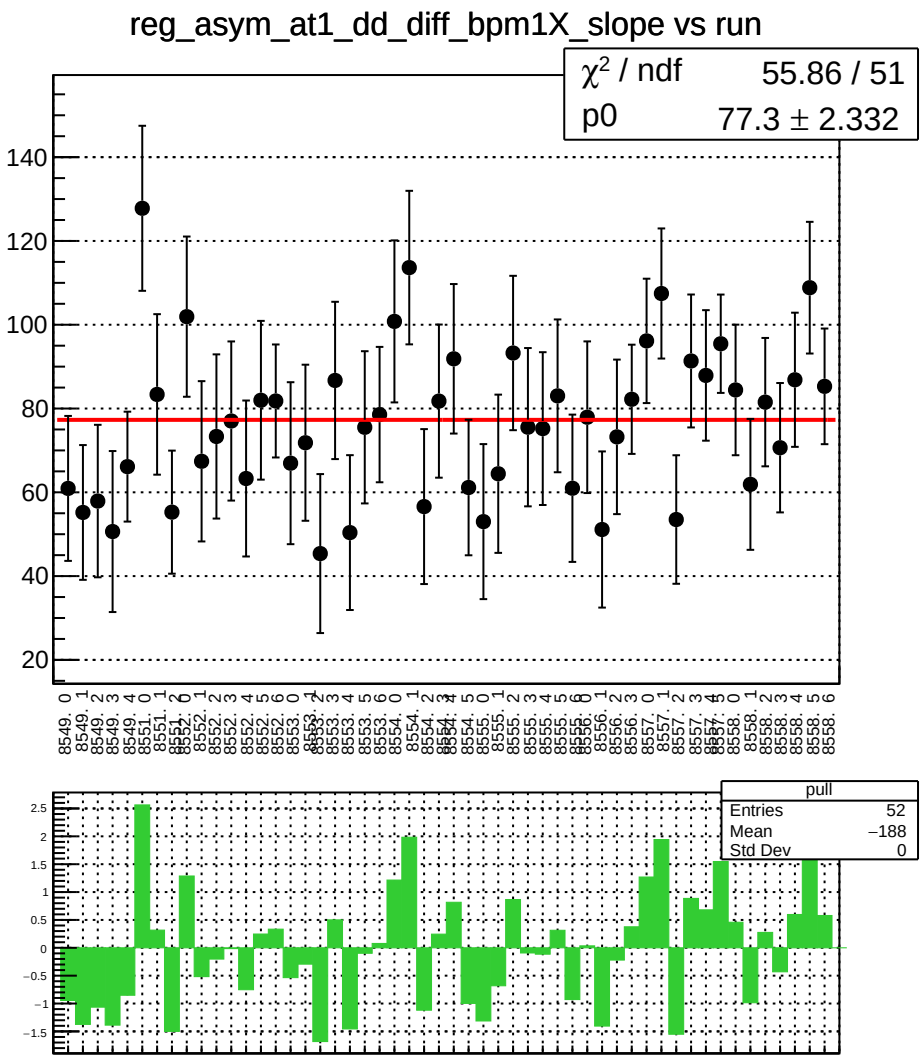

pull1D
Entries 52
Mean 0.006783
Std Dev 0.8705

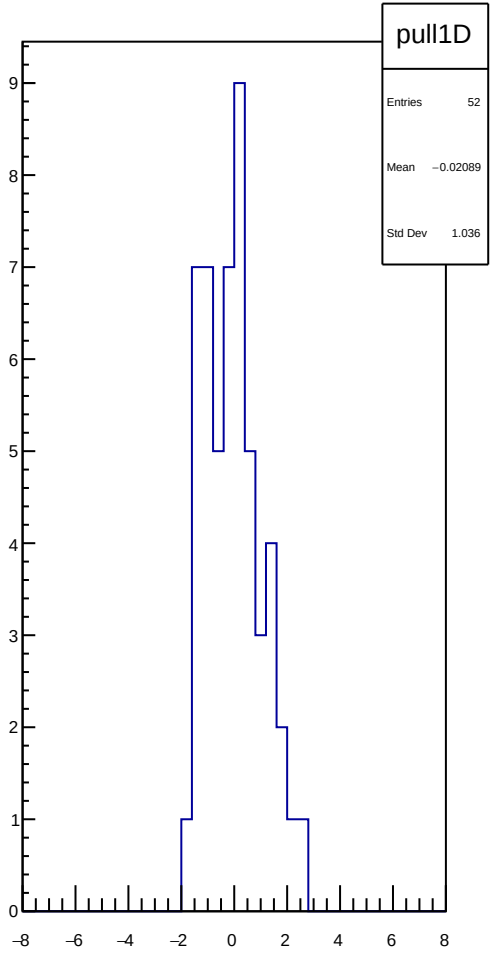

reg_asym_at1_avg_diff_bpm4eY_slope vs run
χ² / ndf 29.82 / 51
p0 4.032 ± 5.144
pull
Entries 52
Mean −33.85
Std Dev 0

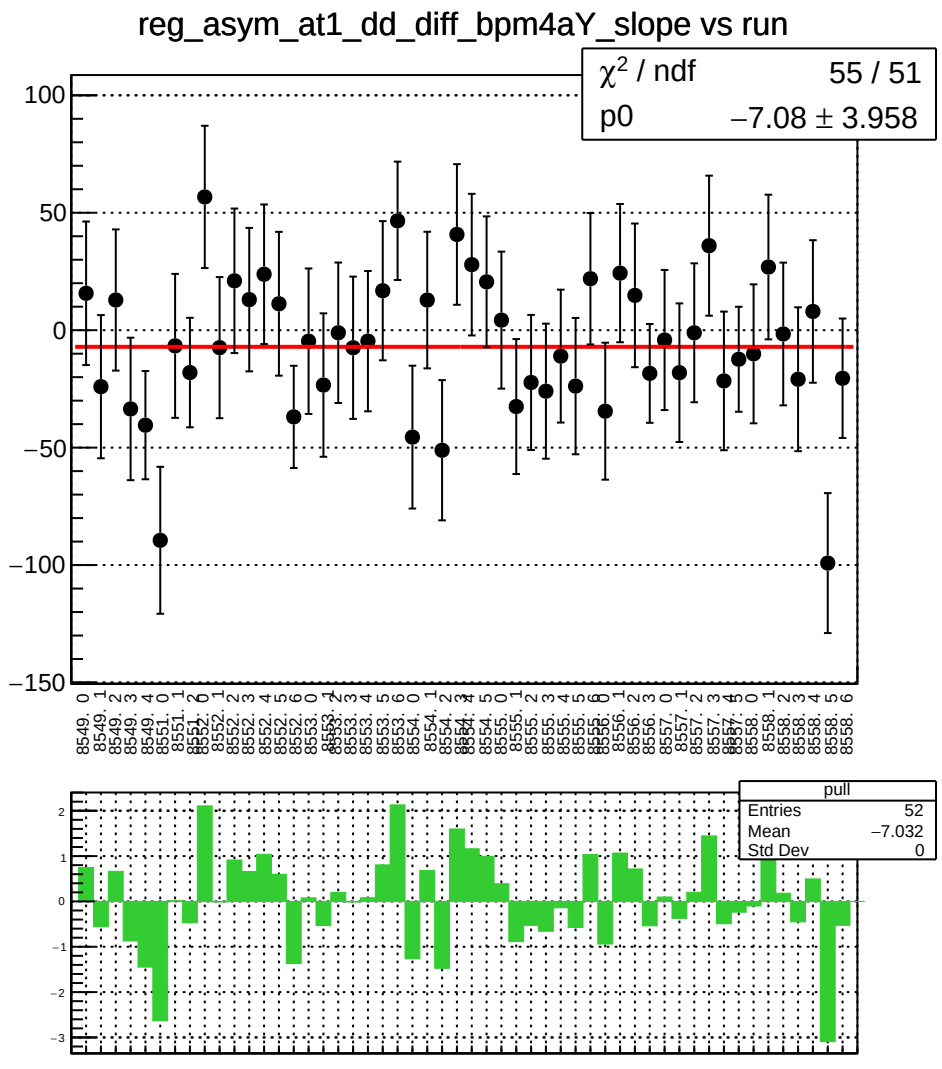

pull1D
Entries 52
Mean −0.004096
Std Dev 0.7572

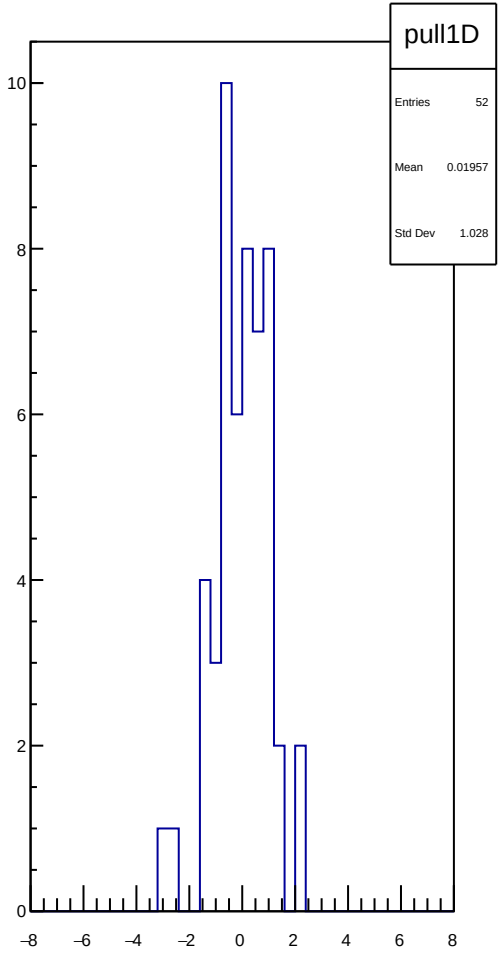

reg_asym_at1_avg_diff_bpm12X_slope vs run
χ² / ndf 59.52 / 51
p0 −53.05 ± 0.3372
pull
Entries 52
Mean 35.34
Std Dev 68.02

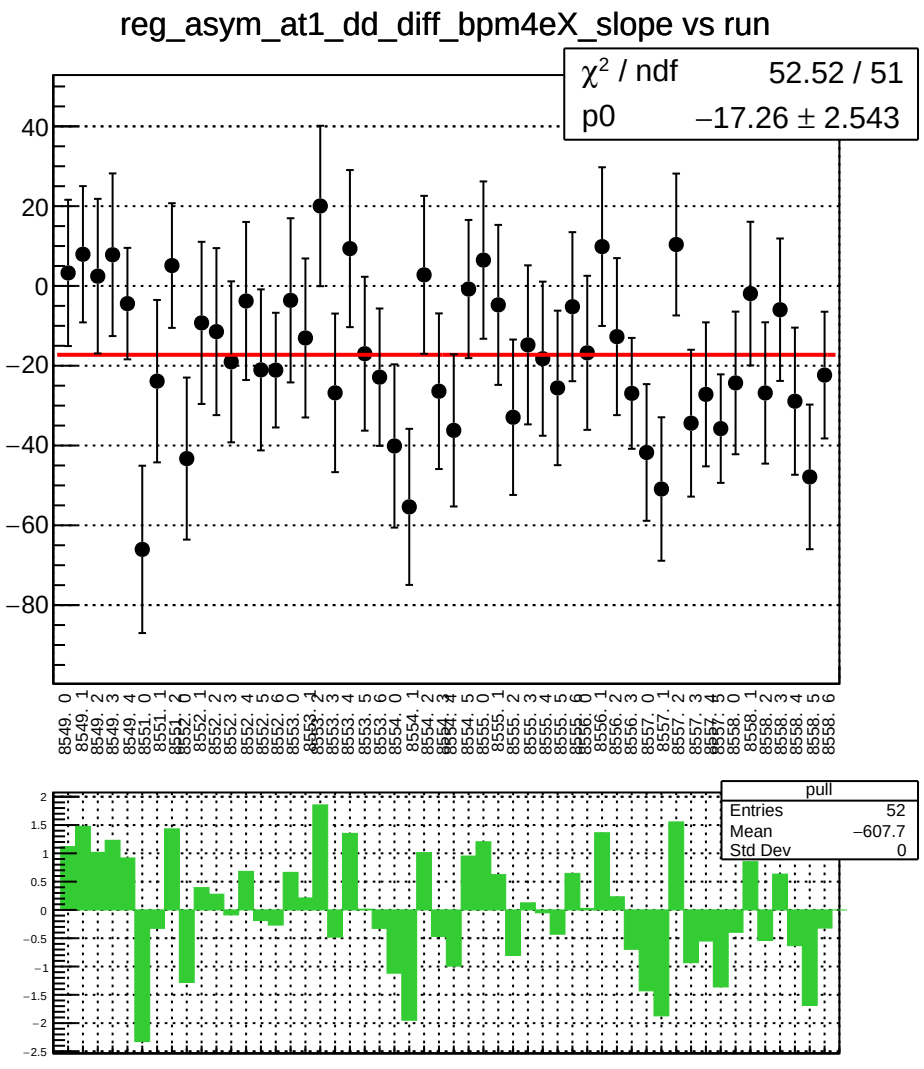

pull1D
Entries 52
Mean −0.01296
Std Dev 1.07

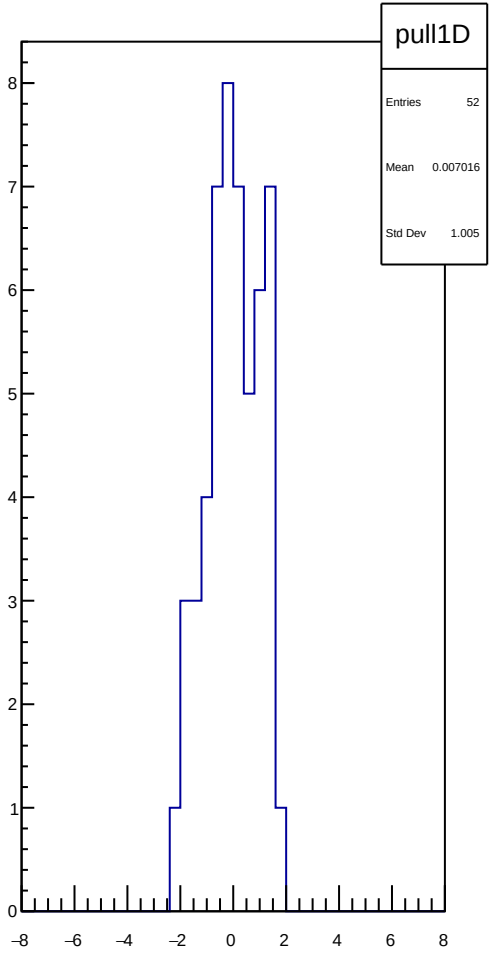

reg_asym_at1_dd_diff_bpm1X_slope vs run
χ² / ndf 55.86 / 51
p0 77.3 ± 2.332
pull
Entries 52
Mean −188
Std Dev 0

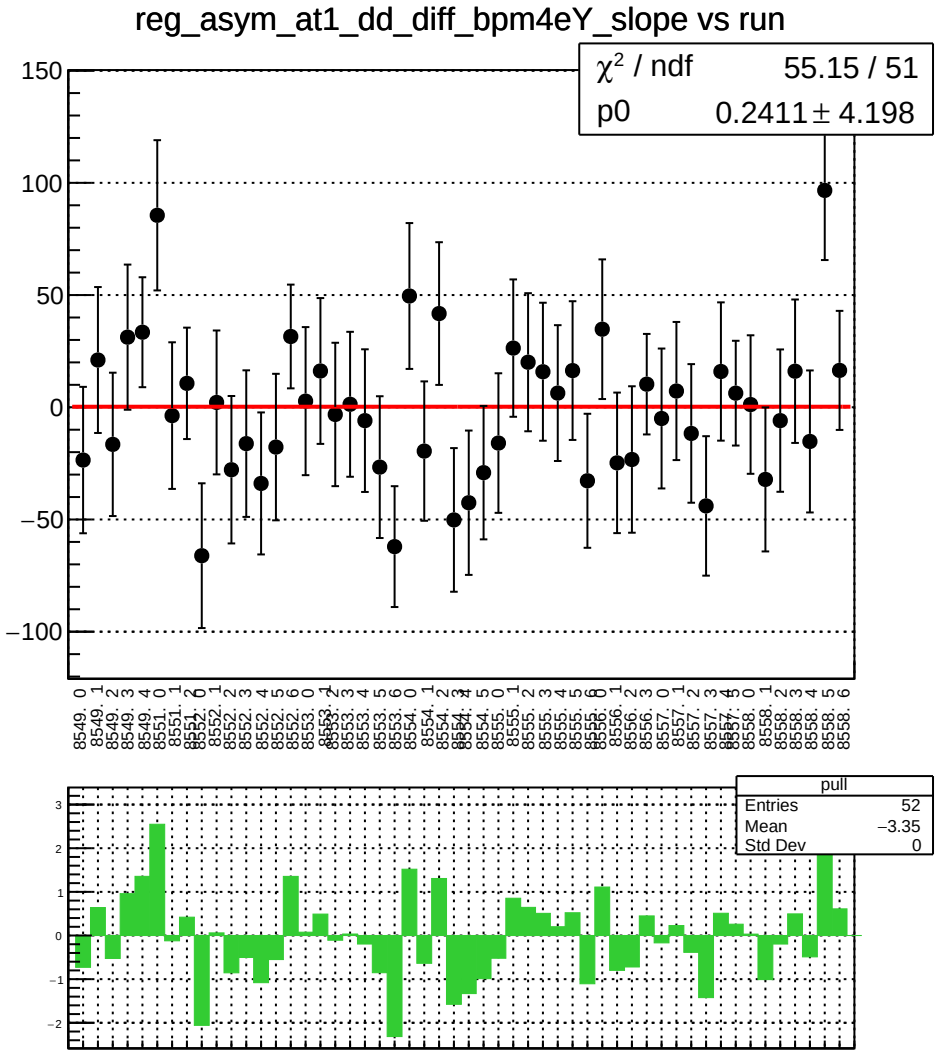

pull1D
Entries 52
Mean −0.02089
Std Dev 1.036

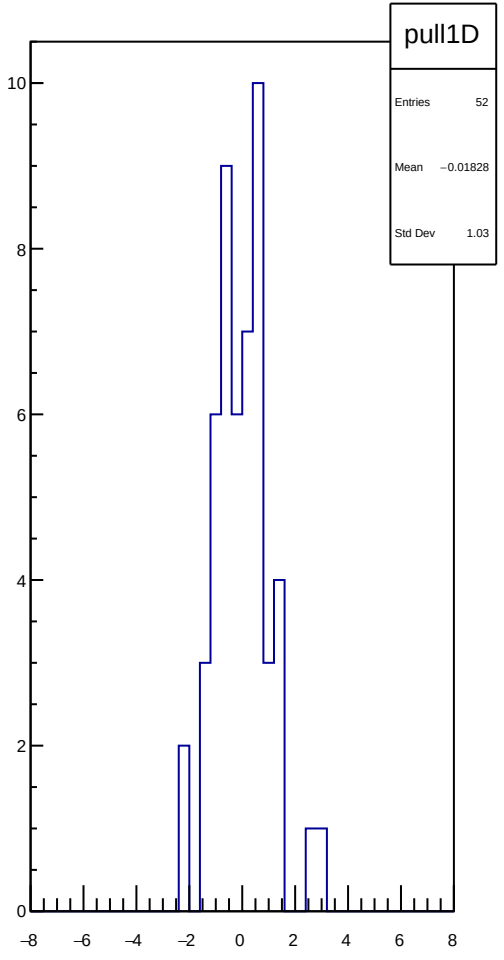

reg_asym_at1_dd_diff_bpm4aY_slope vs run
χ² / ndf 55 / 51
p0 −7.08 ± 3.958
pull
Entries 52
Mean −7.032
Std Dev 0

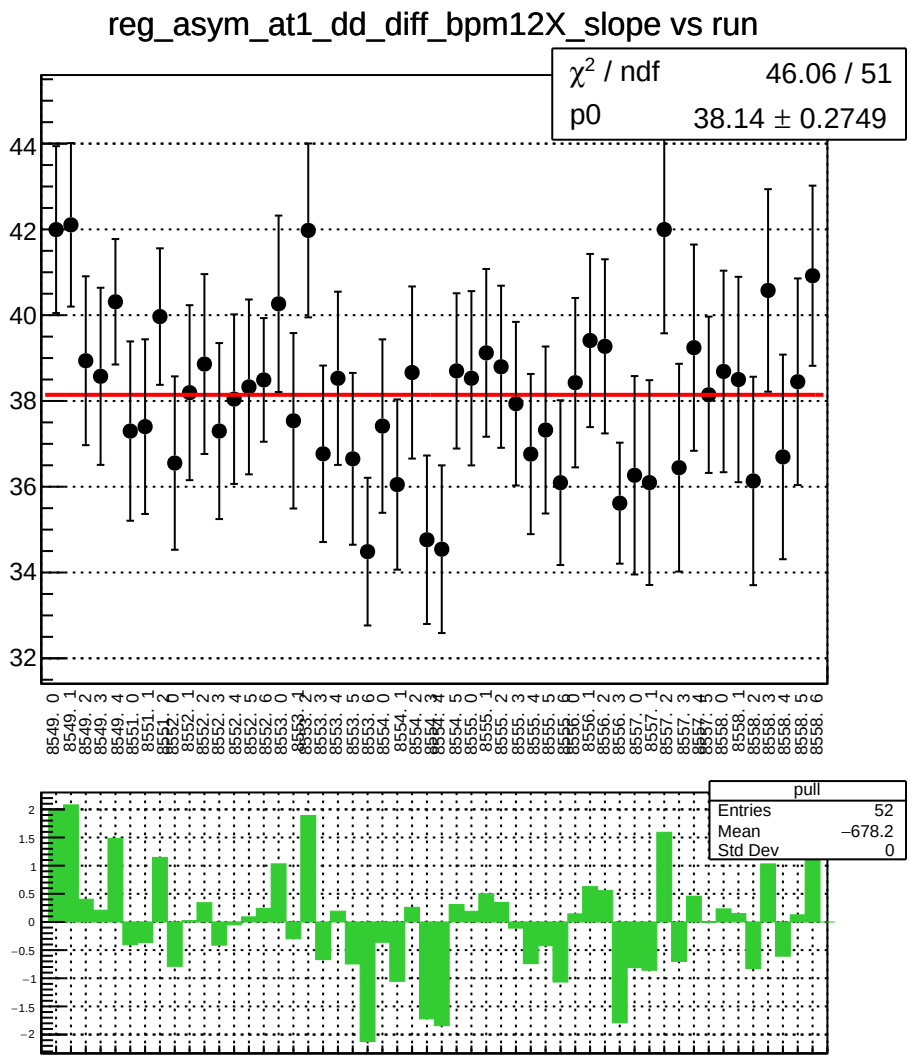

pull1D
Entries 52
Mean 0.01957
Std Dev 1.028

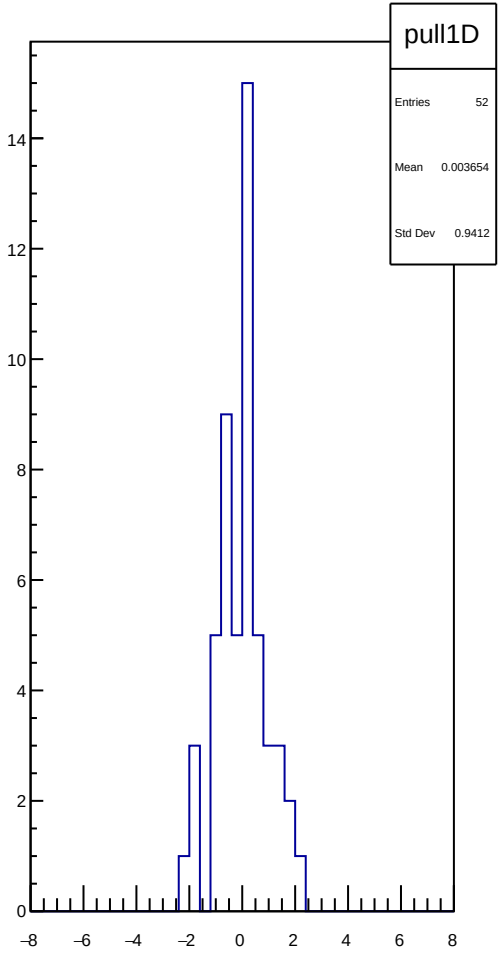

reg_asym_at1_dd_diff_bpm4eX_slope vs run
χ² / ndf 52.52 / 51
p0 −17.26 ± 2.543
pull
Entries 52
Mean −607.7
Std Dev 0

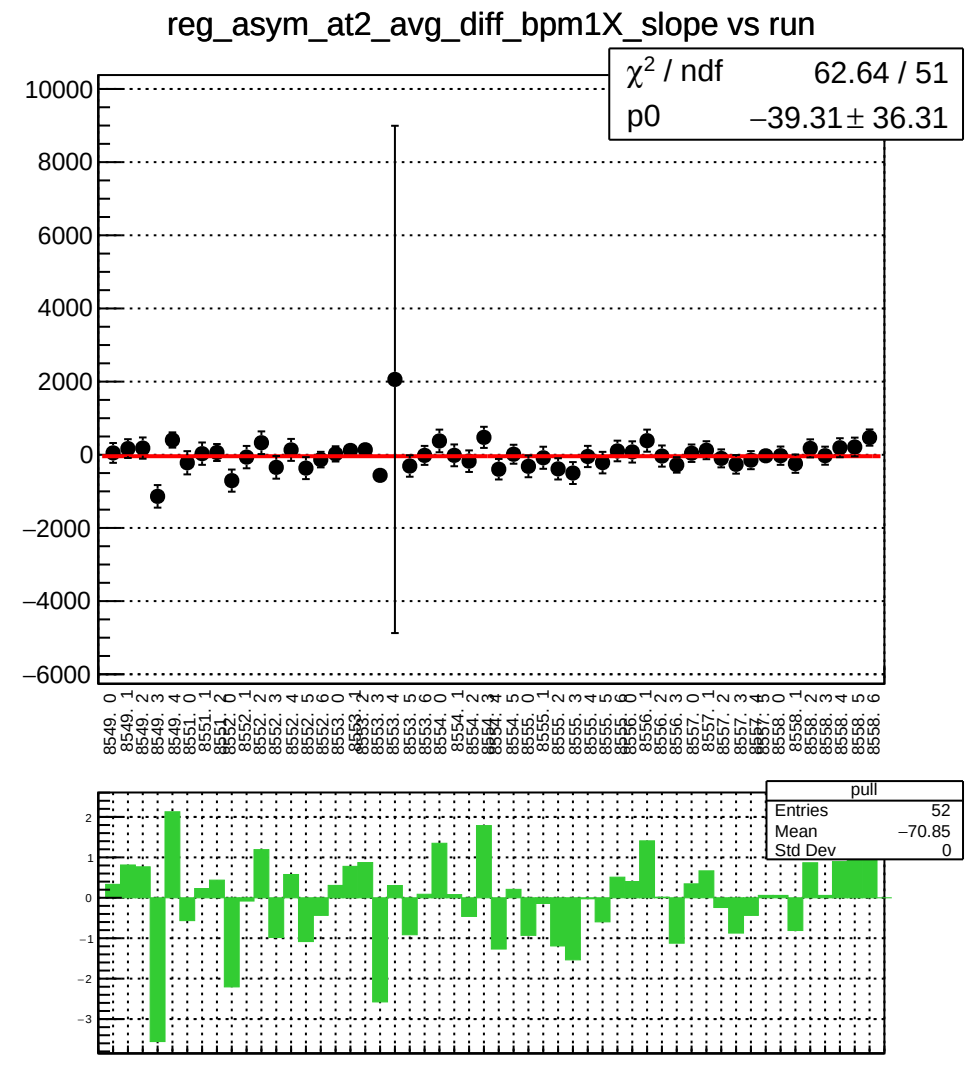

pull1D
Entries 52
Mean 0.007016
Std Dev 1.005

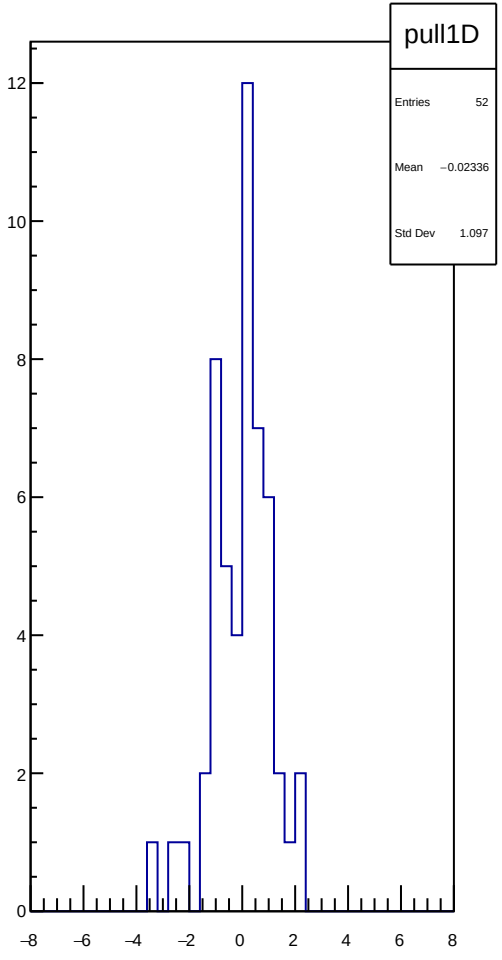

reg_asym_at1_dd_diff_bpm4eY_slope vs run
χ^2 / ndf 55.15 / 51
p0 0.2411 ± 4.198
pull
Entries 52
Mean −3.35
Std Dev 0

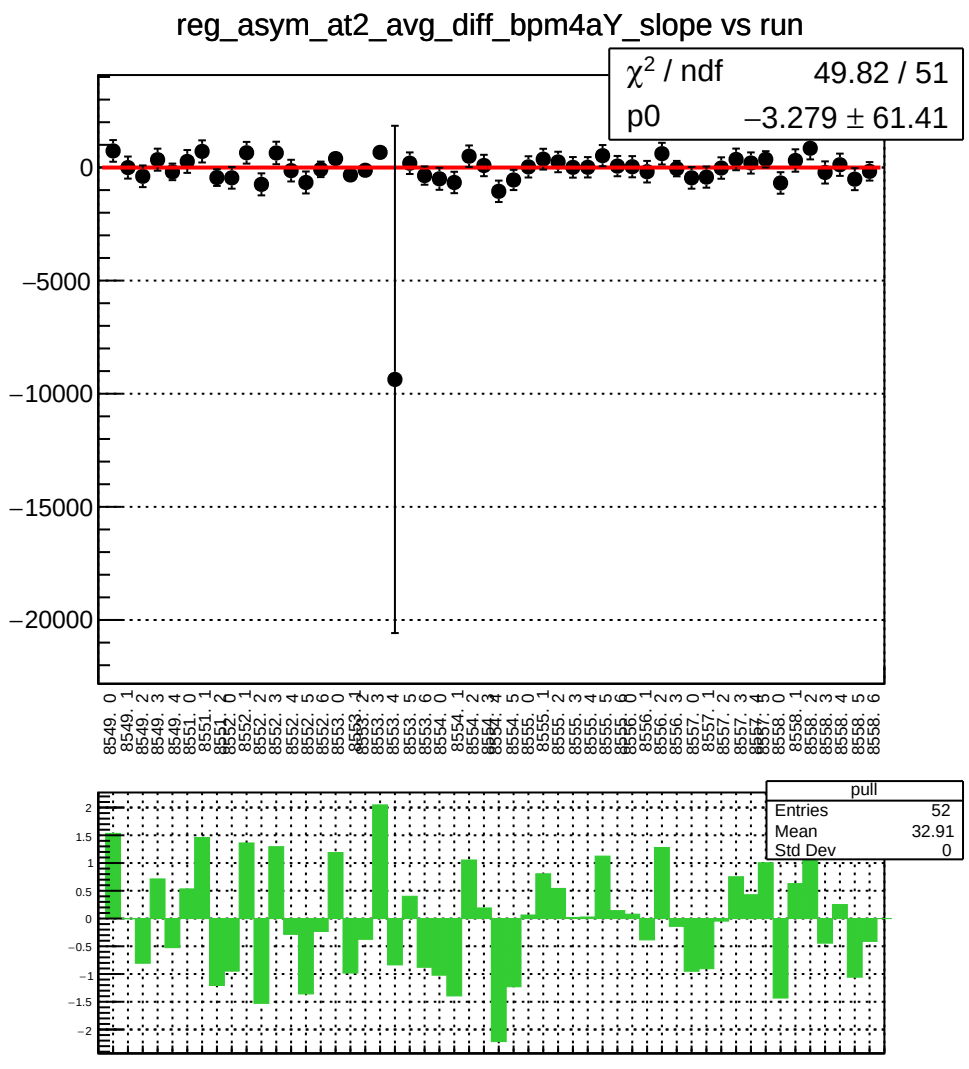

pull1D
Entries 52
Mean −0.01828
Std Dev 1.03

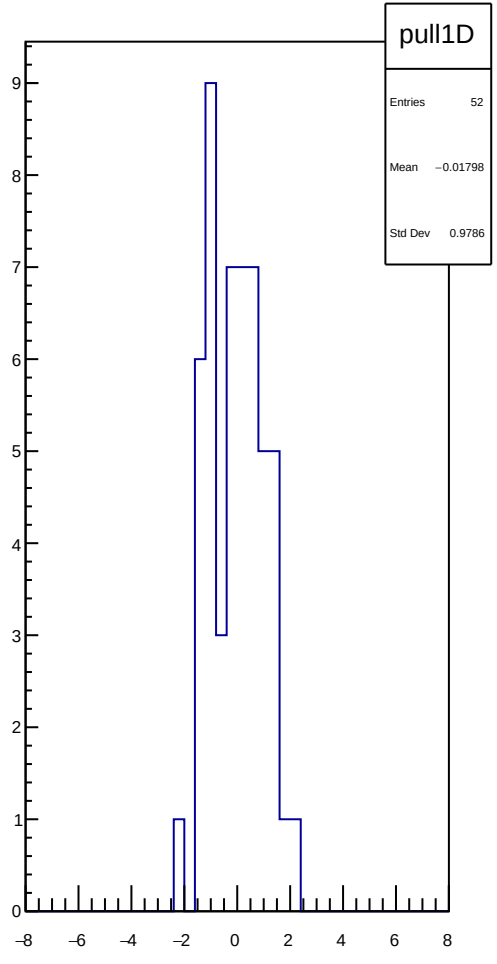

reg_asym_at1_dd_diff_bpm12X_slope vs run
χ² / ndf 46.06 / 51
p0 38.14 ± 0.2749
pull
Entries 52
Mean −678.2
Std Dev 0

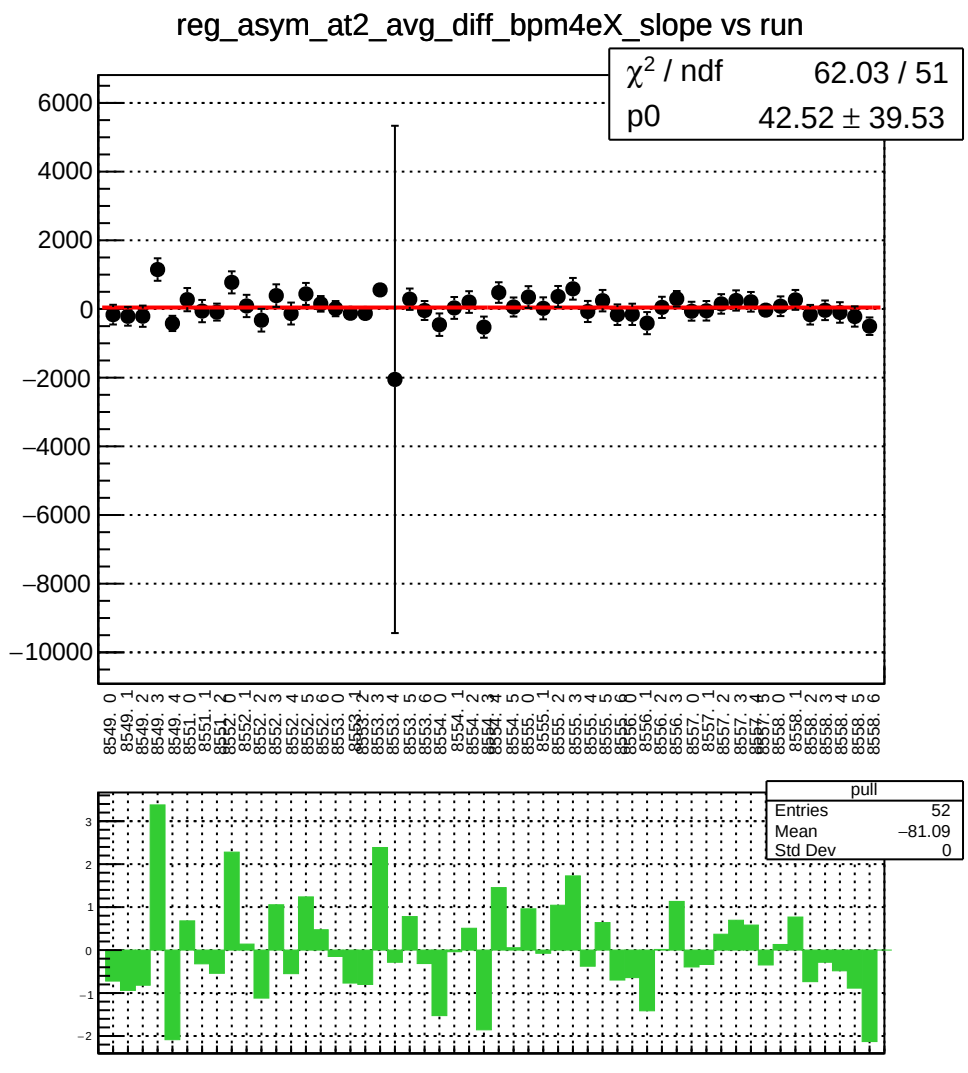

pull1D
Entries 52
Mean 0.003654
Std Dev 0.9412

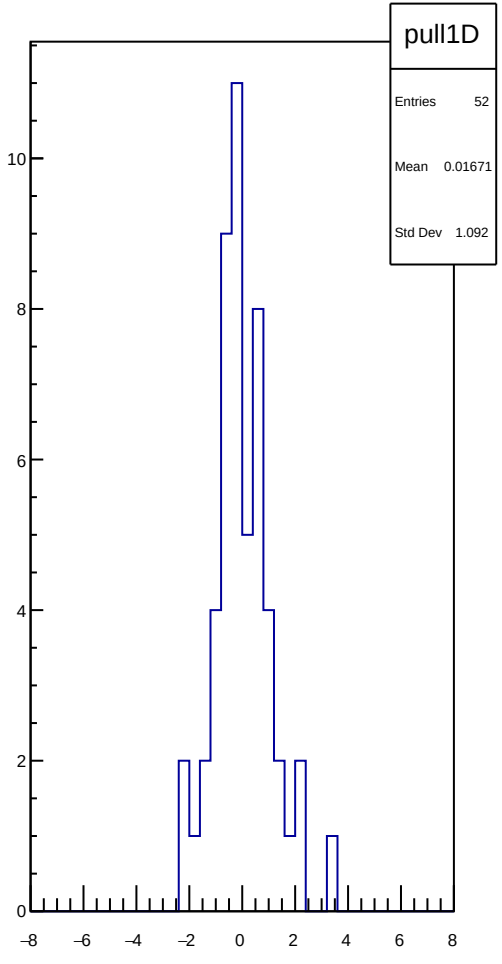

reg_asym_at2_avg_diff_bpm1X_slope vs run
χ² / ndf 62.64 / 51
p0 −39.31 ± 36.31
pull
Entries 52
Mean −70.85
Std Dev 0

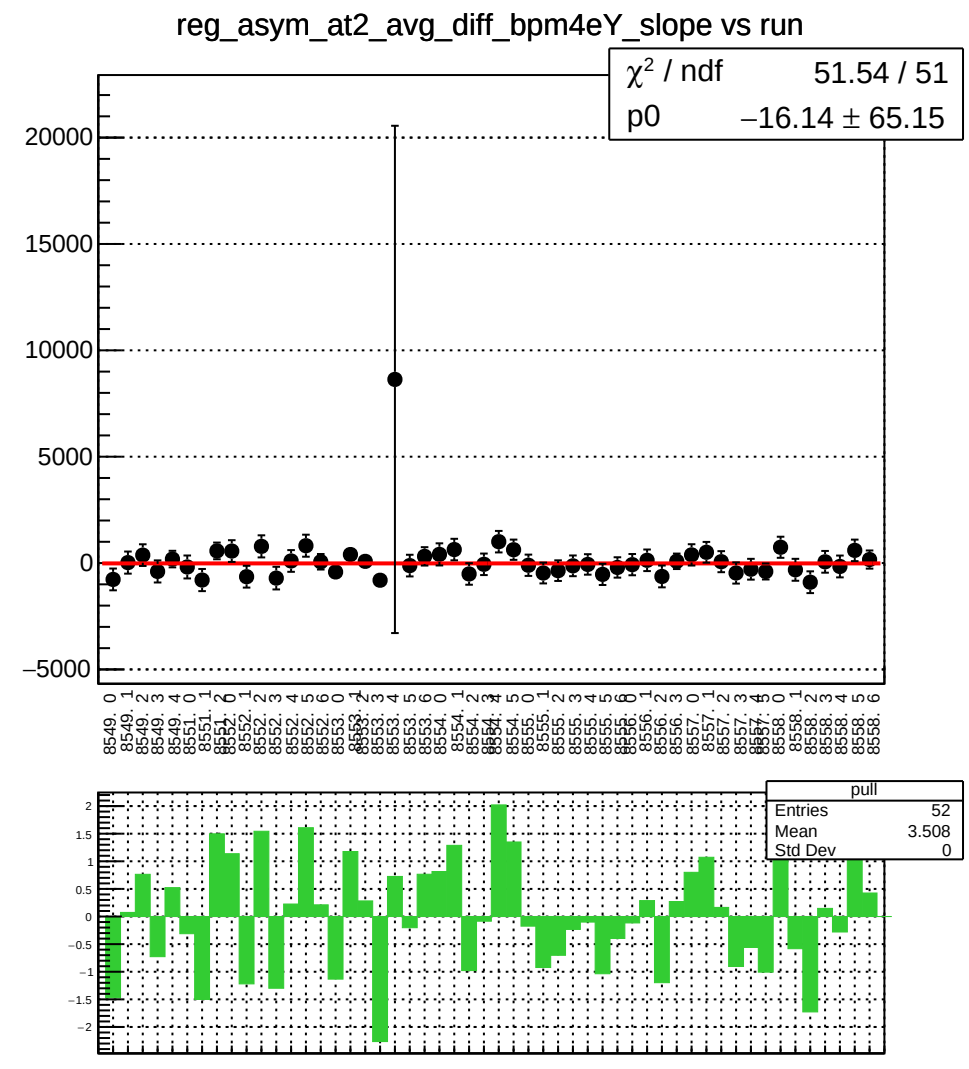

pull1D
Entries 52
Mean −0.02336
Std Dev 1.097

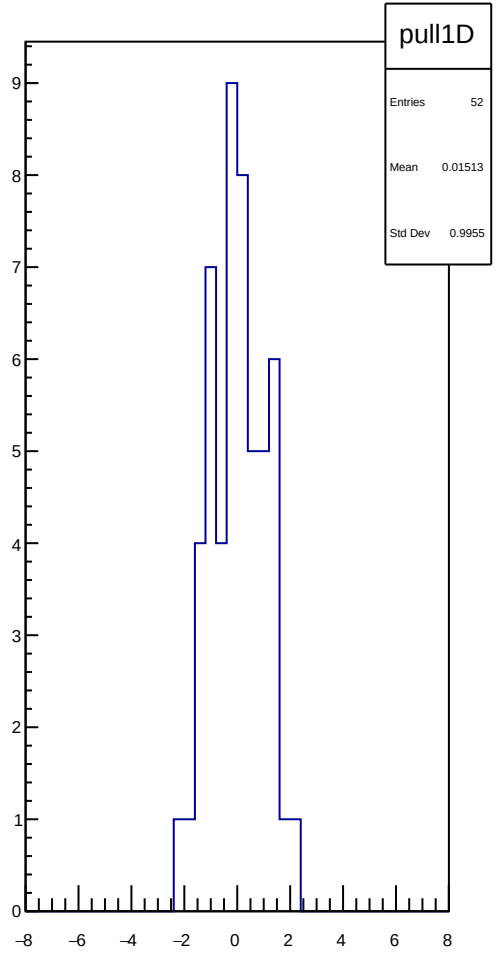

reg_asym_at2_avg_diff_bpm4aY_slope vs run
χ² / ndf 49.82 / 51
p0 −3.279 ± 61.41
0
−5000
−10000
−15000
−20000
pull
Entries 52
Mean 32.91
Std Dev 0

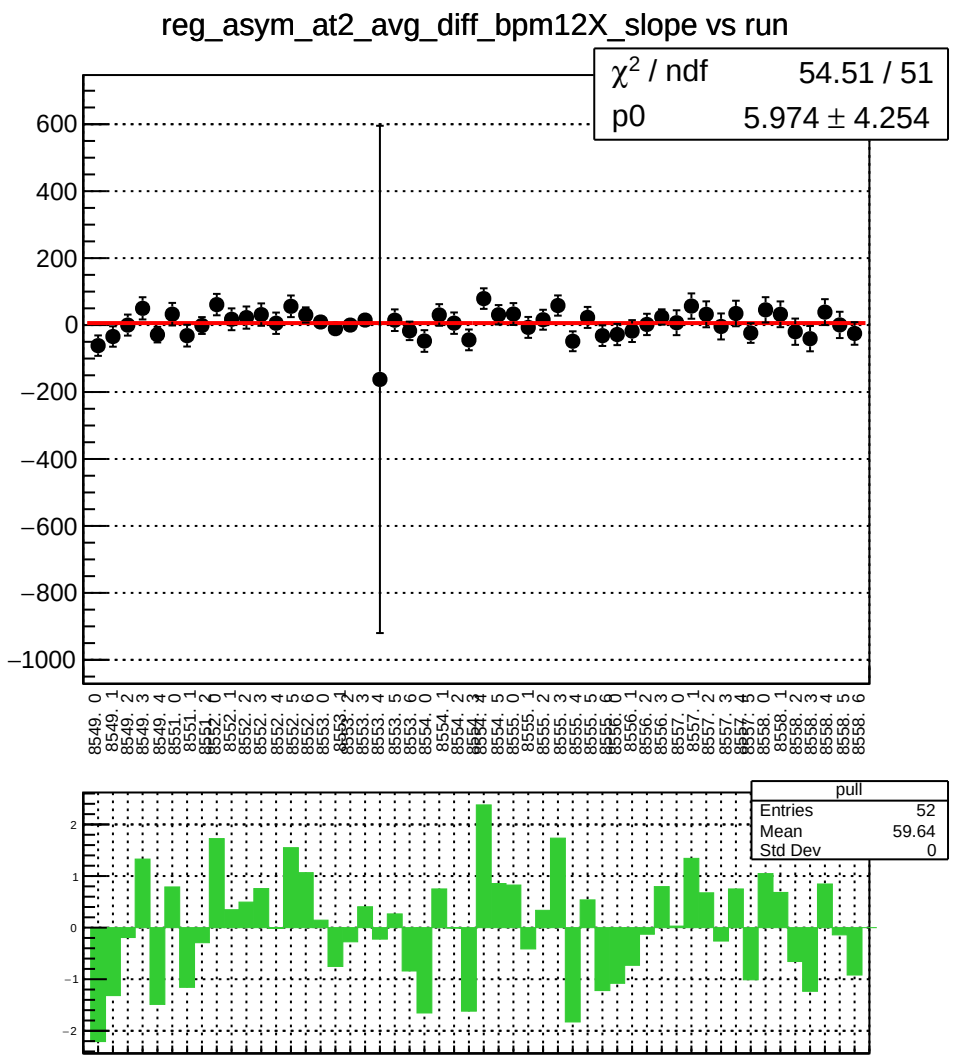

pull1D
Entries 52
Mean −0.01798
Std Dev 0.9786

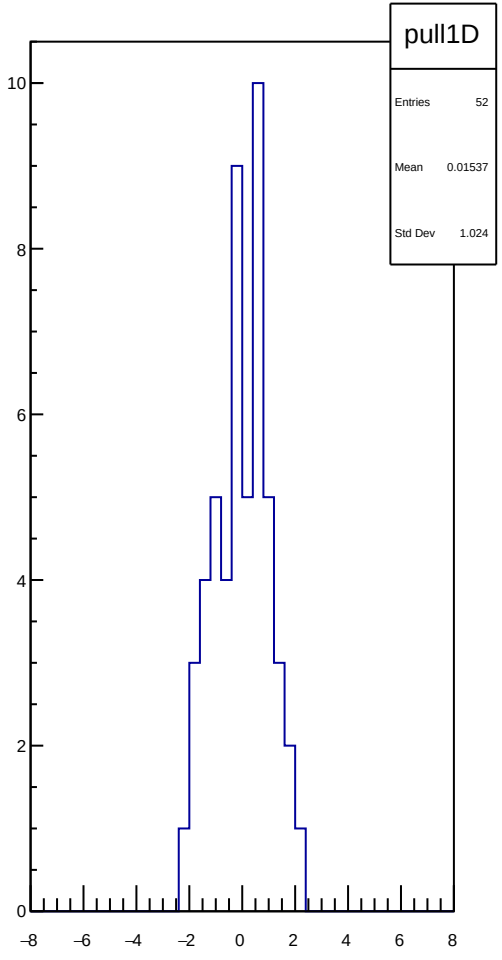

reg_asym_at2_avg_diff_bpm4eX_slope vs run
χ² / ndf 62.03 / 51
p0 42.52 ± 39.53
pull
Entries 52
Mean −81.09
Std Dev 0

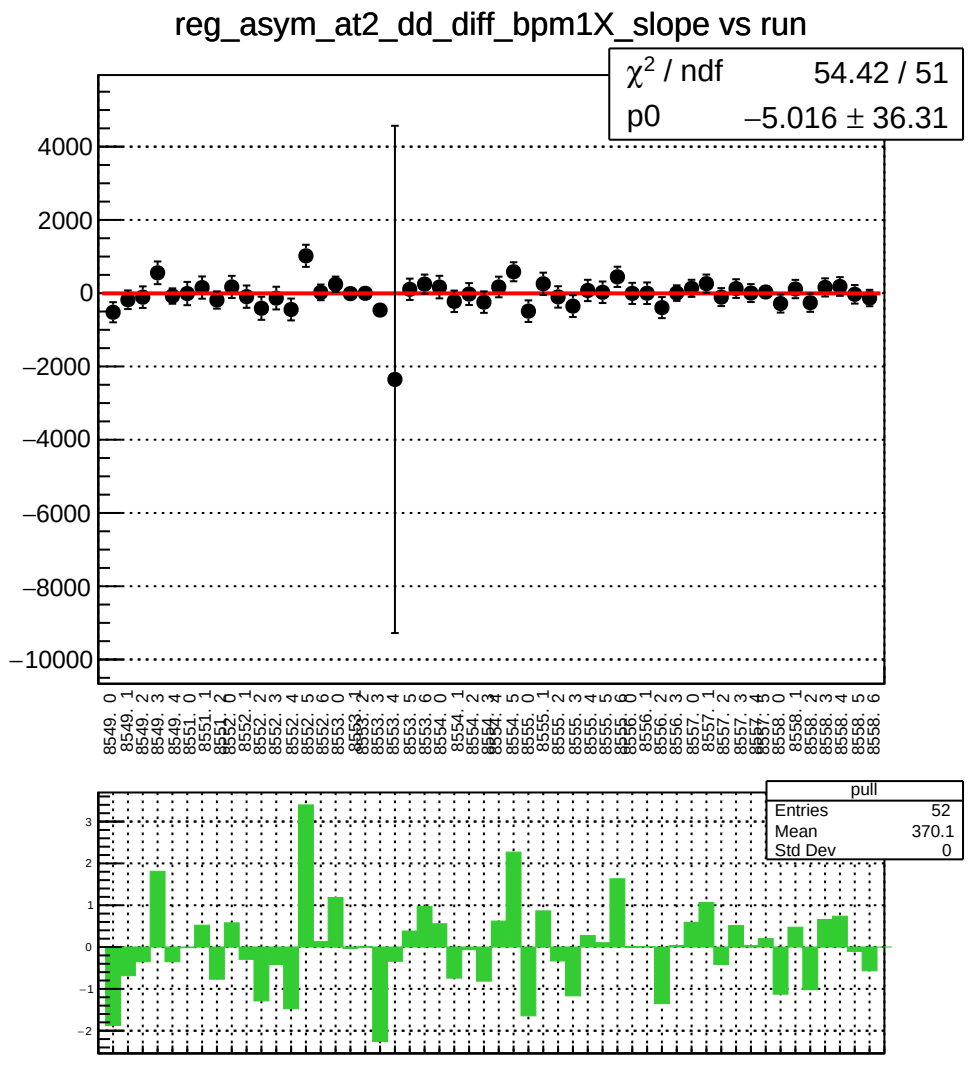

pull1D
Entries 52
Mean 0.01671
Std Dev 1.092

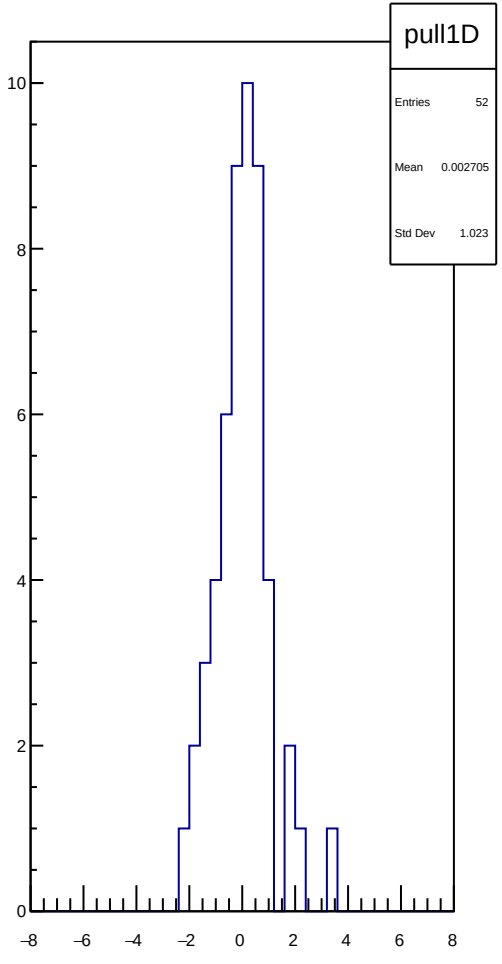

reg_asym_at2_avg_diff_bpm4eY_slope vs run
χ² / ndf 51.54 / 51
p0 −16.14 ± 65.15
20000
15000
10000
5000
0
−5000
pull
Entries 52
Mean 3.508
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

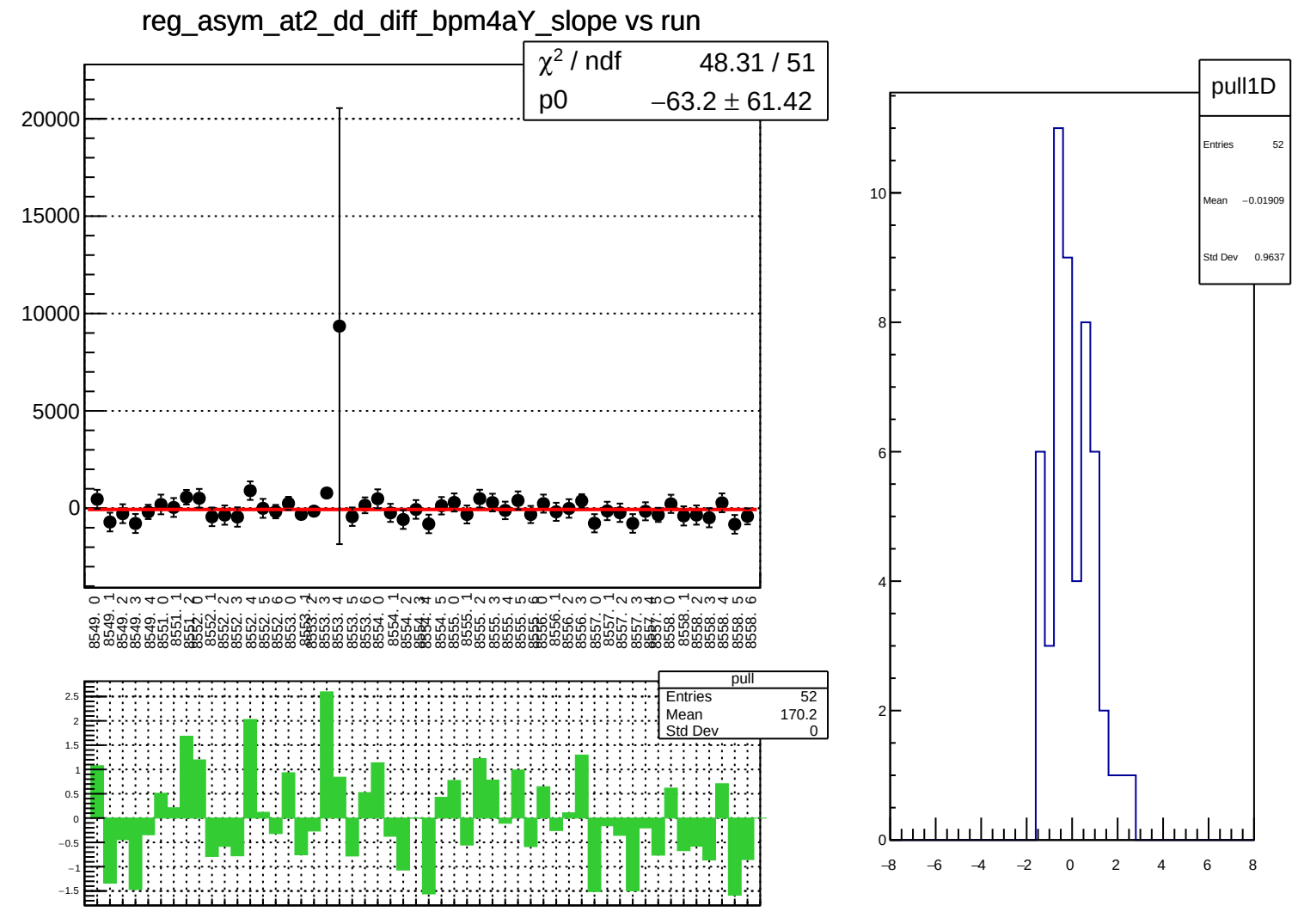

pull1D
Entries 52
Mean 0.01513
Std Dev 0.9955
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

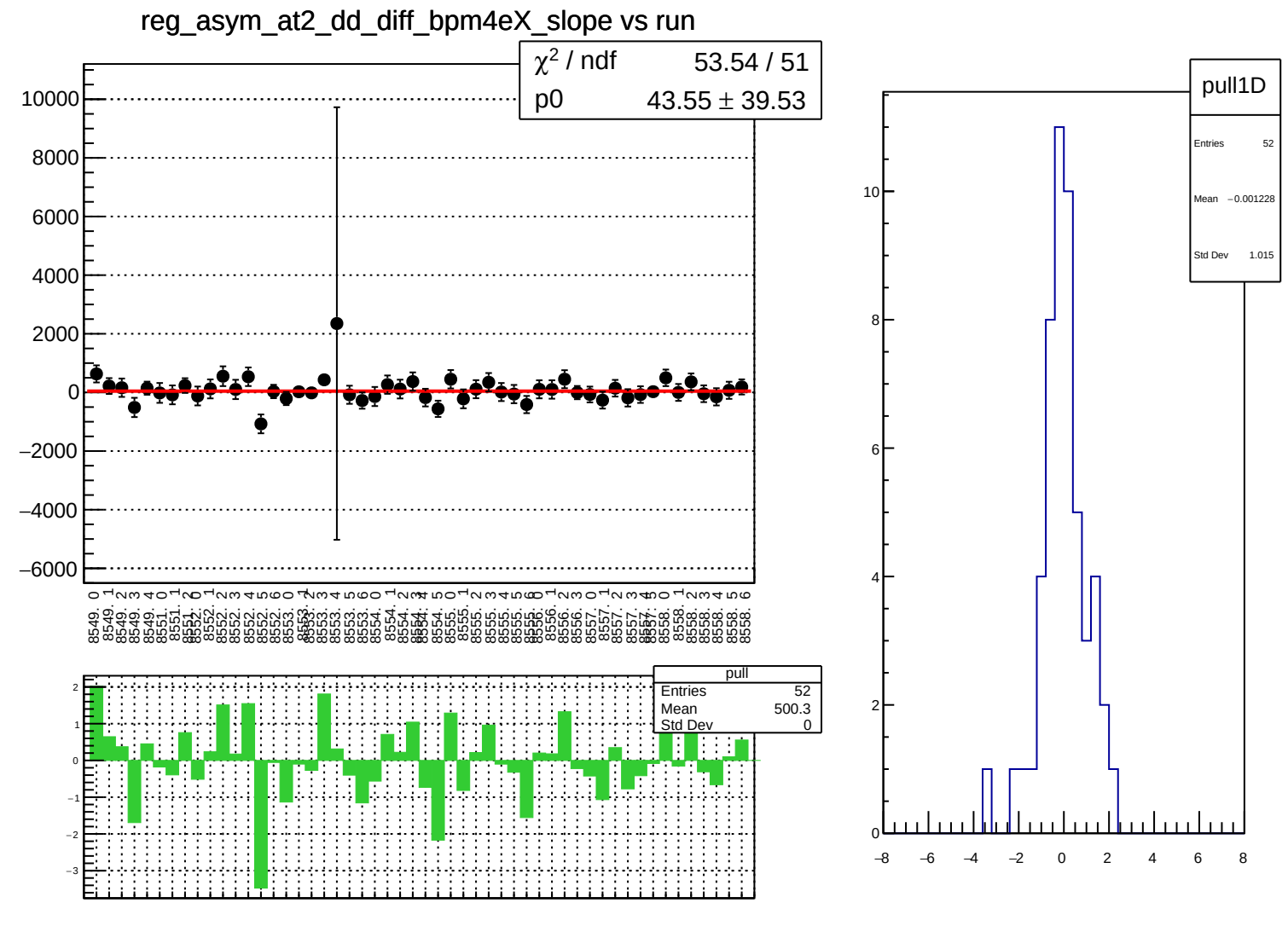

reg_asym_at2_avg_diff_bpm12X_slope vs run
χ² / ndf 54.51 / 51
p0 5.974 ± 4.254
pull
Entries 52
Mean 59.64
Std Dev 0

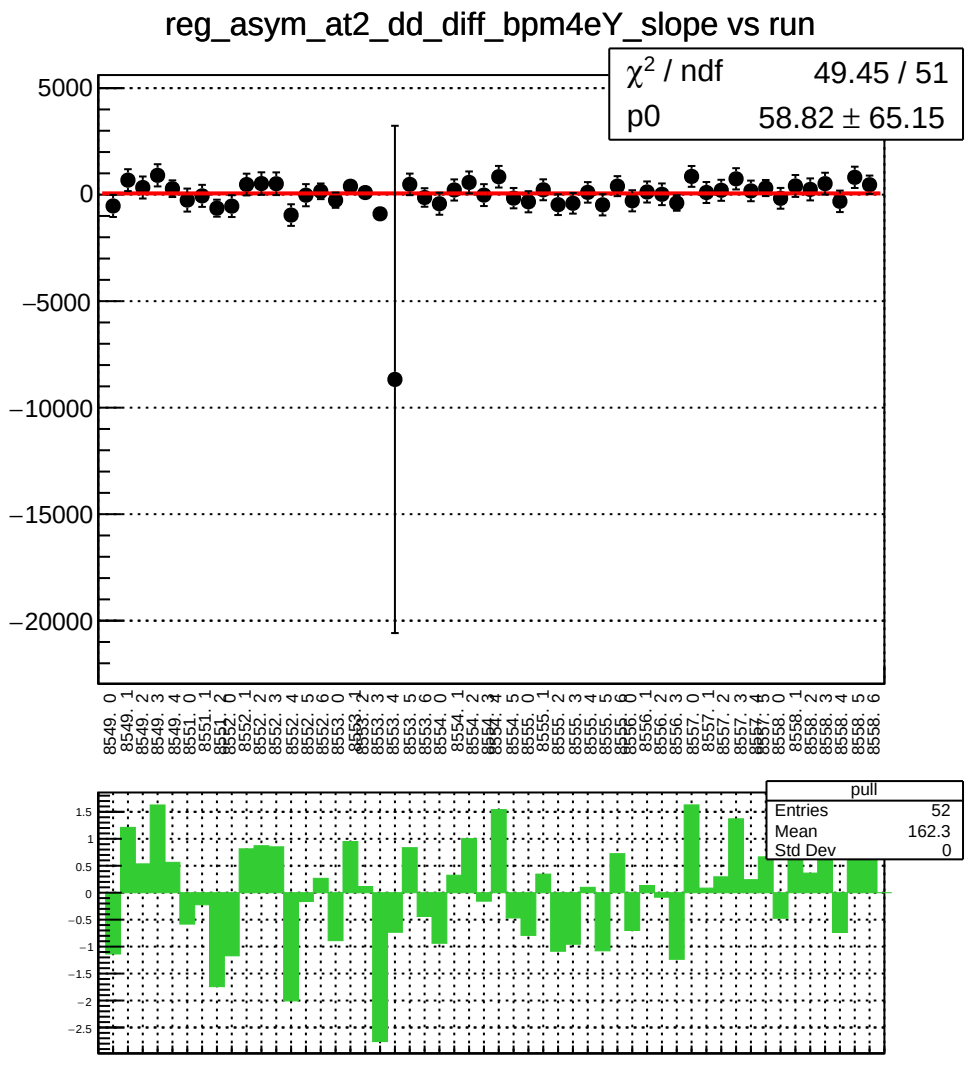

pull1D
Entries 52
Mean 0.01537
Std Dev 1.024

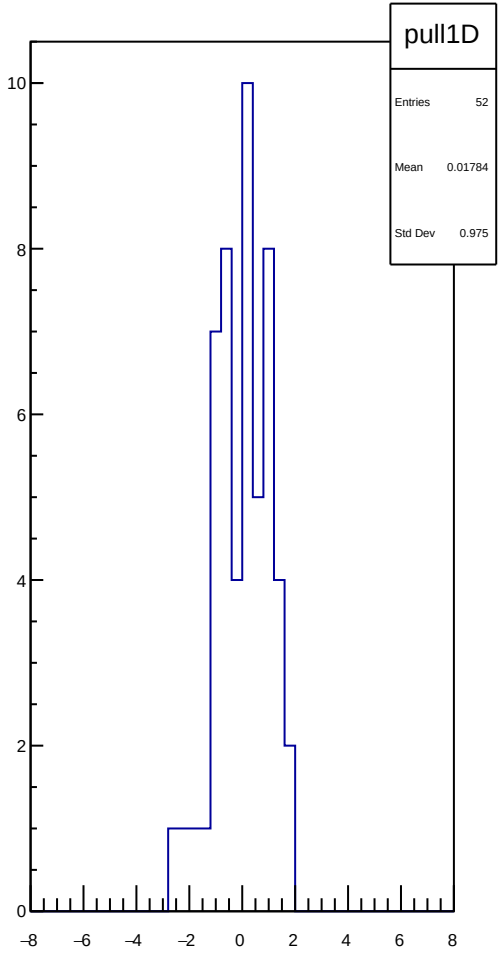

reg_asym_at2_dd_diff_bpm1X_slope vs run
χ² / ndf 54.42 / 51
p0 −5.016 ± 36.31
4000
2000
0
−2000
−4000
−6000
−8000
−10000
pull
Entries 52
Mean 370.1
Std Dev 0
3
2
1
0
−1
−2

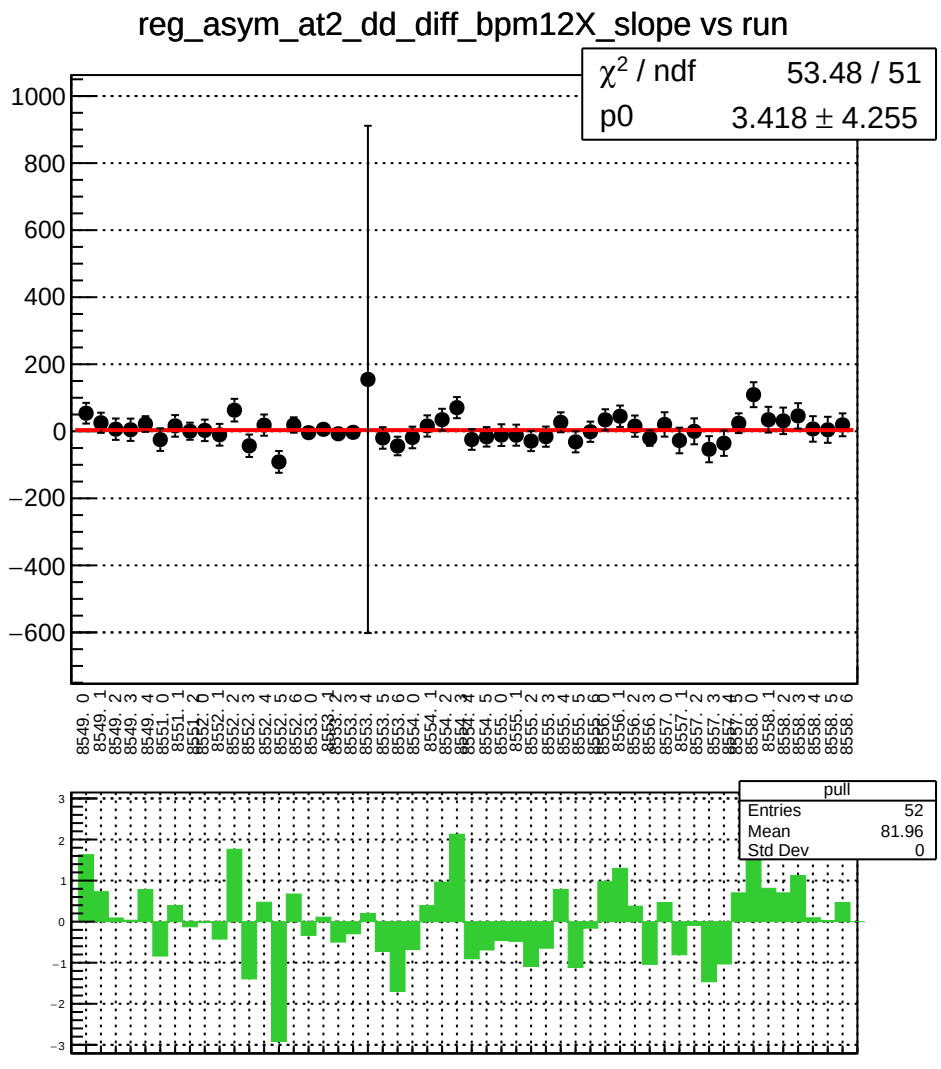

pull1D
Entries 52
Mean 0.002705
Std Dev 1.023
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

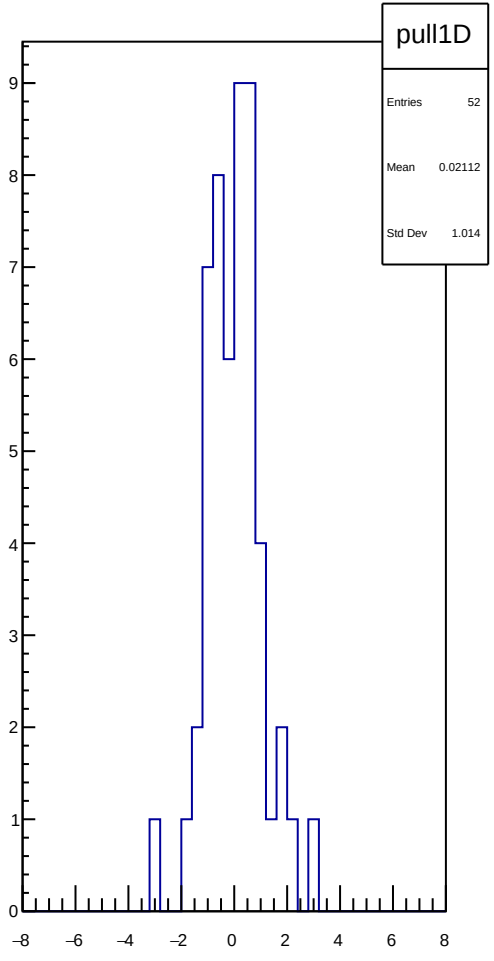

reg_asym_at2_dd_diff_bpm4aY_slope vs run
χ² / ndf 48.31 / 51
p0 −63.2 ± 61.42
20000
15000
10000
5000
0
pull
Entries 52
Mean 170.2
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 52
Mean −0.01909
Std Dev 0.9637
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

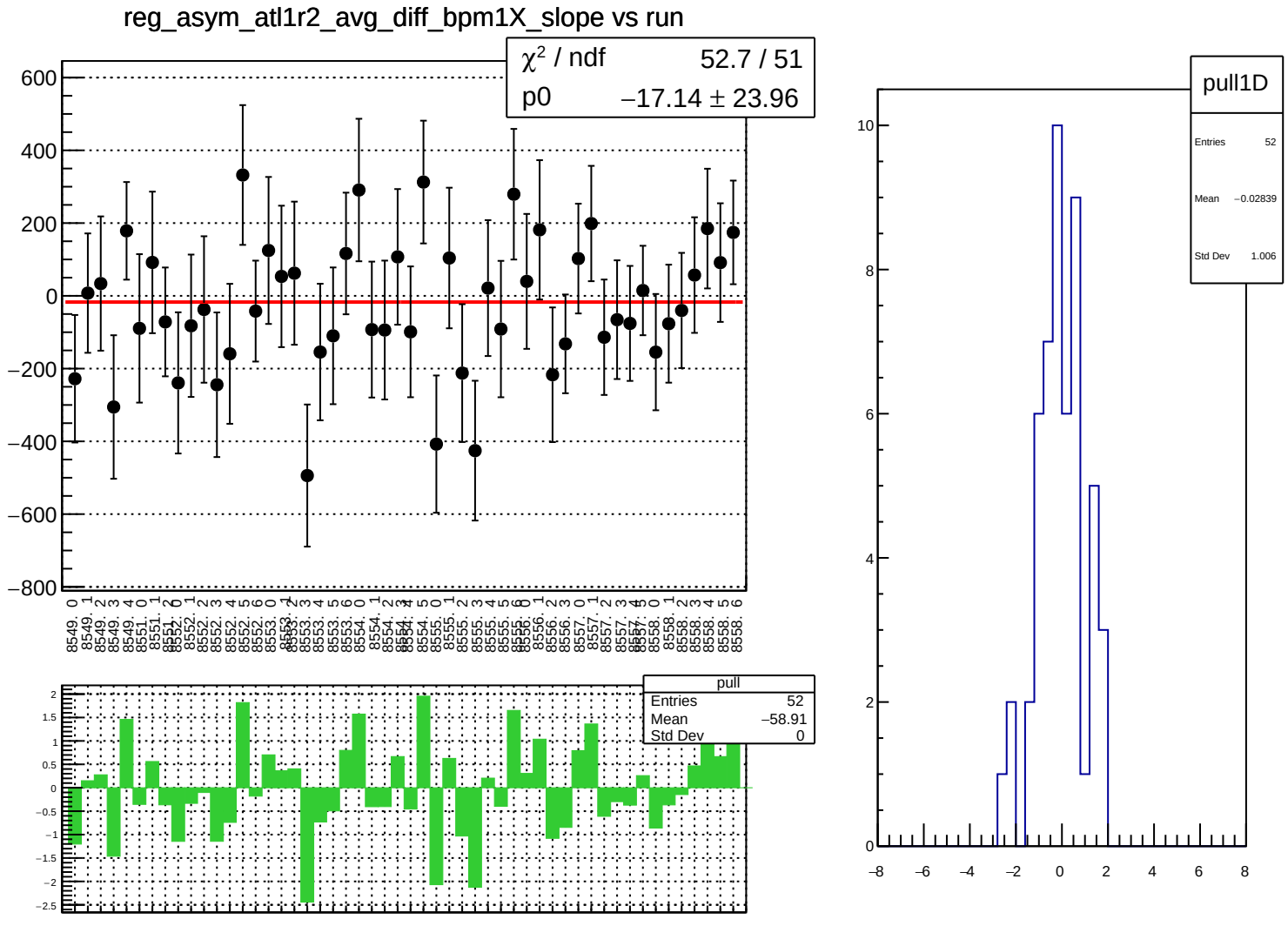

reg_asym_at2_dd_diff_bpm4eX_slope vs run
χ² / ndf 53.54 / 51
p0 43.55 ± 39.53
pull
Entries 52
Mean 500.3
Std Dev 0
pull1D
Entries 52
Mean −0.001228
Std Dev 1.015

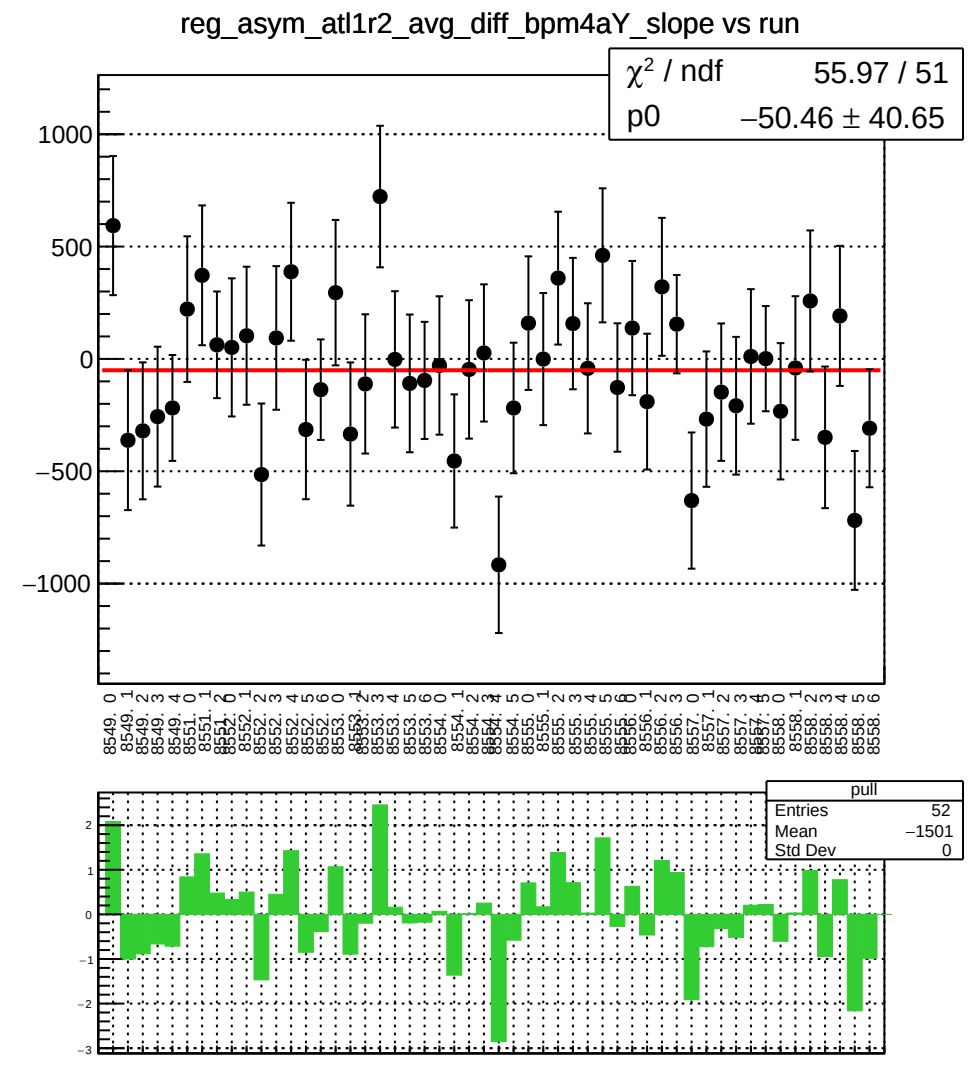

reg_asym_at2_dd_diff_bpm4eY_slope vs run
χ² / ndf 49.45 / 51
p0 58.82 ± 65.15
5000
0
−5000
−10000
−15000
−20000
pull
Entries 52
Mean 162.3
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

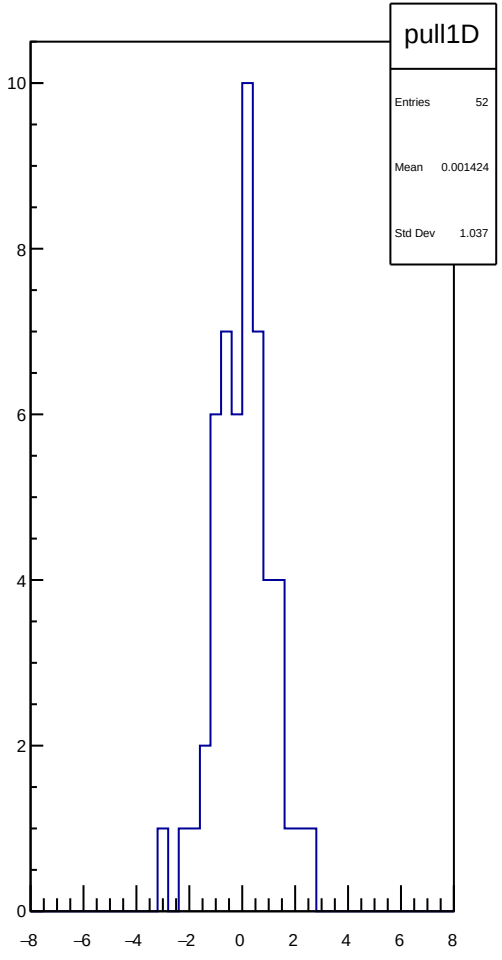

pull1D
Entries 52
Mean 0.01784
Std Dev 0.975
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

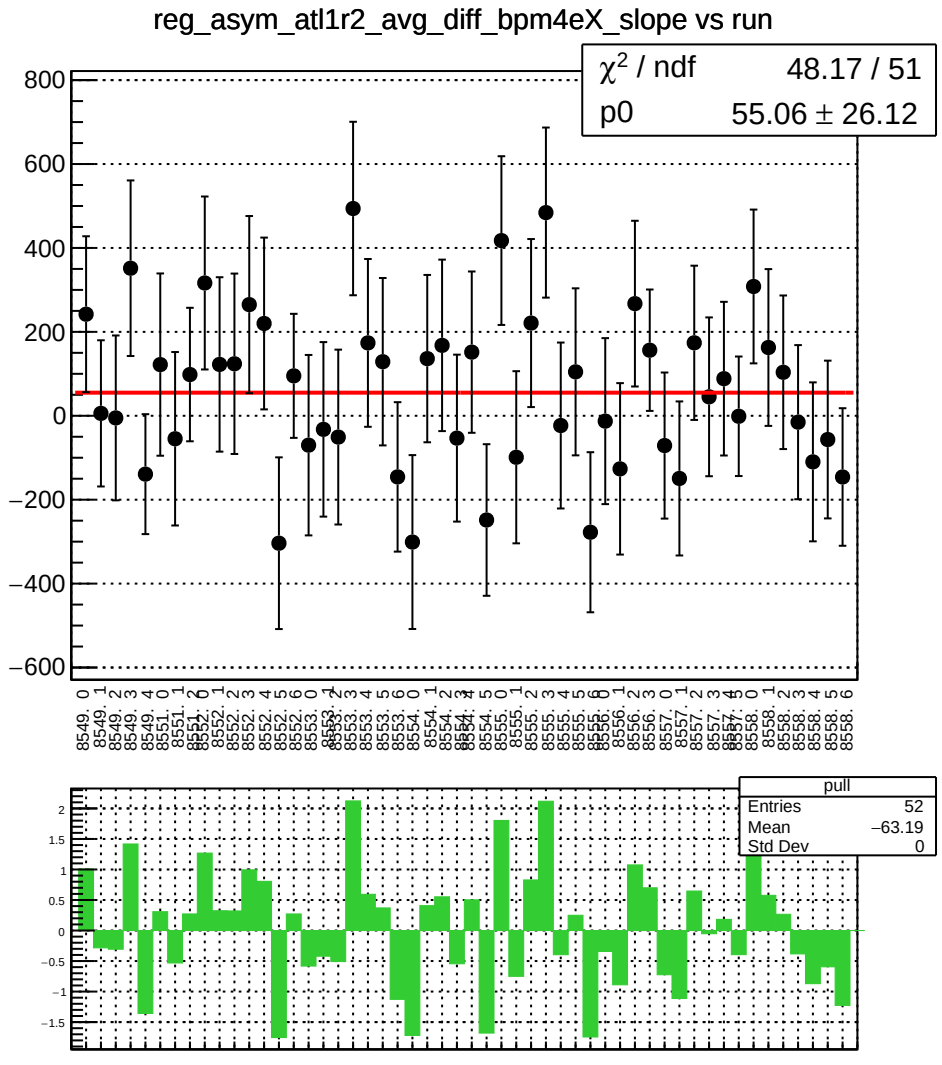

reg_asym_at2_dd_diff_bpm12X_slope vs run
χ² / ndf 53.48 / 51
p0 3.418 ± 4.255
pull
Entries 52
Mean 81.96
Std Dev 0

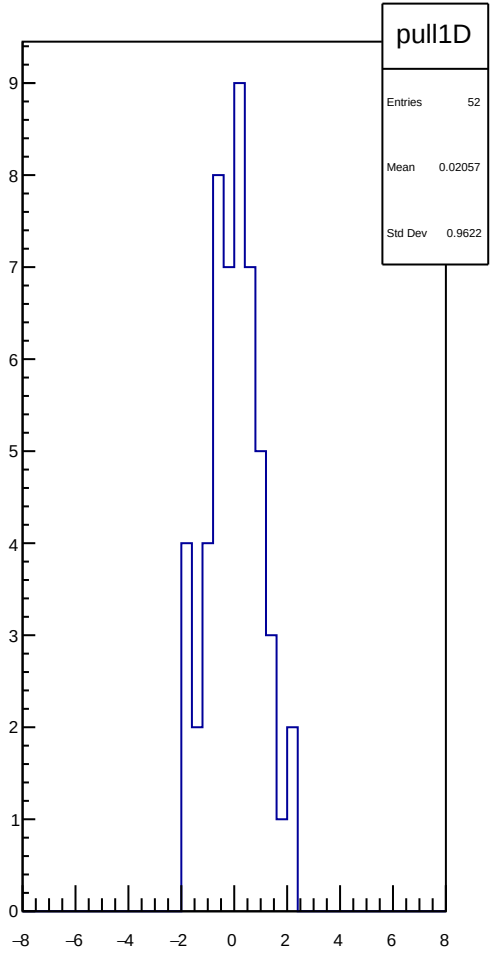

pull1D
Entries 52
Mean 0.02112
Std Dev 1.014

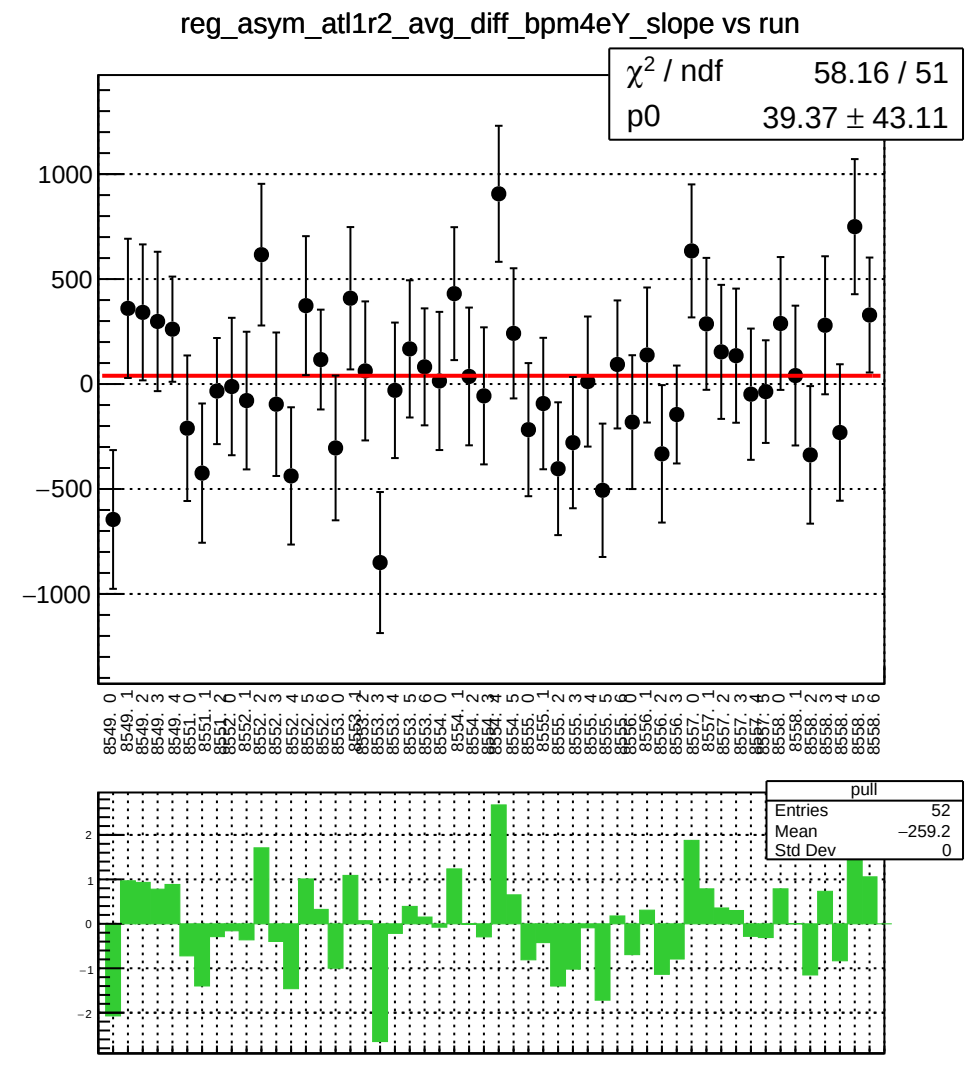

reg_asym_atl1r2_avg_diff_bpm1X_slope vs run
χ² / ndf 52.7 / 51
p0 −17.14 ± 23.96
pull
Entries 52
Mean −58.91
Std Dev 0
pull1D
Entries 52
Mean −0.02839
Std Dev 1.006

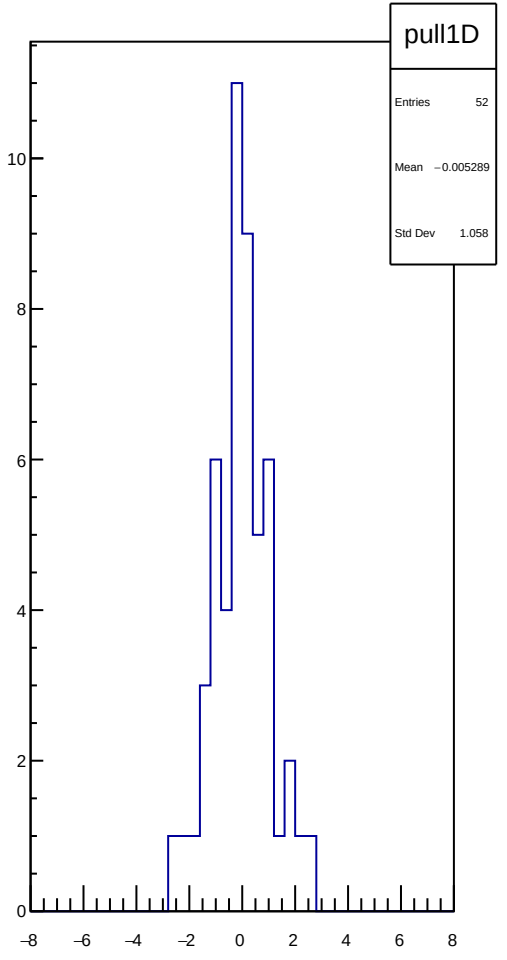

reg_asym_atl1r2_avg_diff_bpm4aY_slope vs run
χ² / ndf 55.97 / 51
p0 −50.46 ± 40.65
1000
500
0
−500
−1000
pull
Entries 52
Mean −1501
Std Dev 0
2
1
0
−1
−2
−3

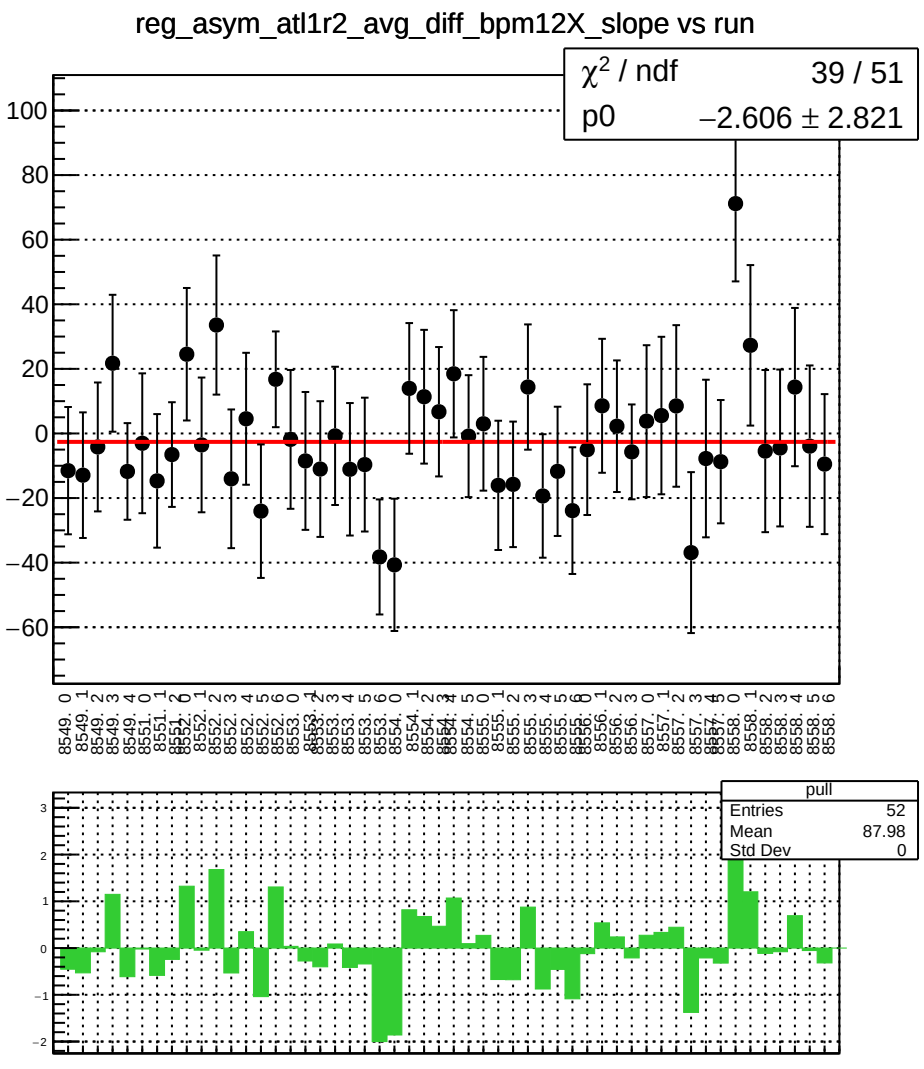

pull1D
Entries 52
Mean 0.001424
Std Dev 1.037
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

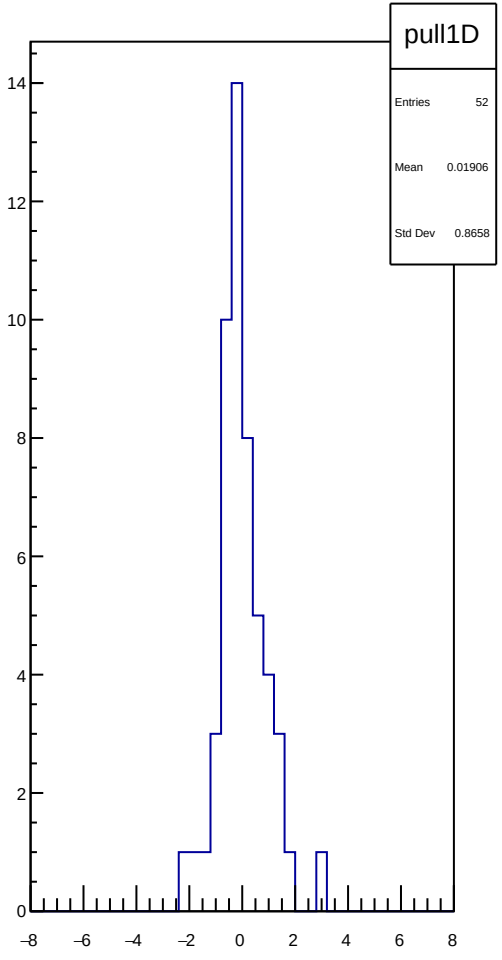

reg_asym_atl1r2_avg_diff_bpm4eX_slope vs run
χ² / ndf 48.17 / 51
p0 55.06 ± 26.12
pull
Entries 52
Mean −63.19
Std Dev 0

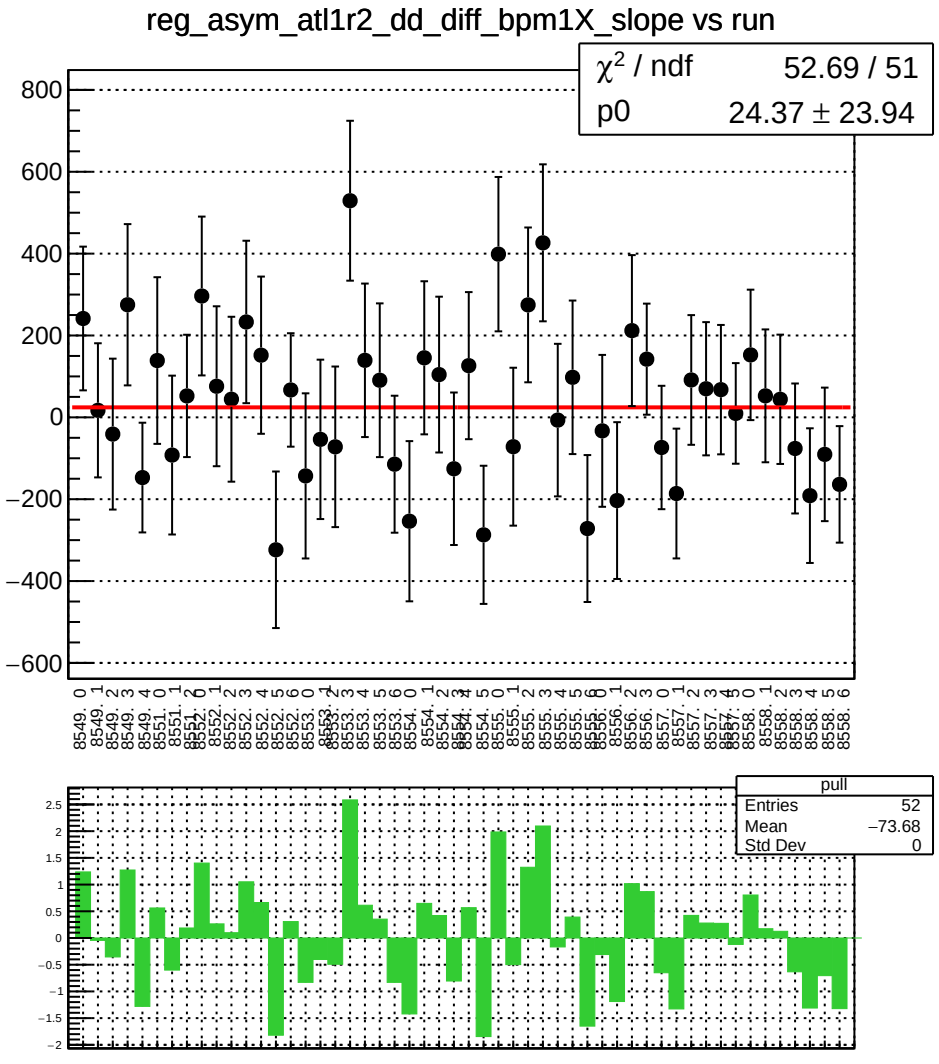

pull1D
Entries 52
Mean 0.02057
Std Dev 0.9622

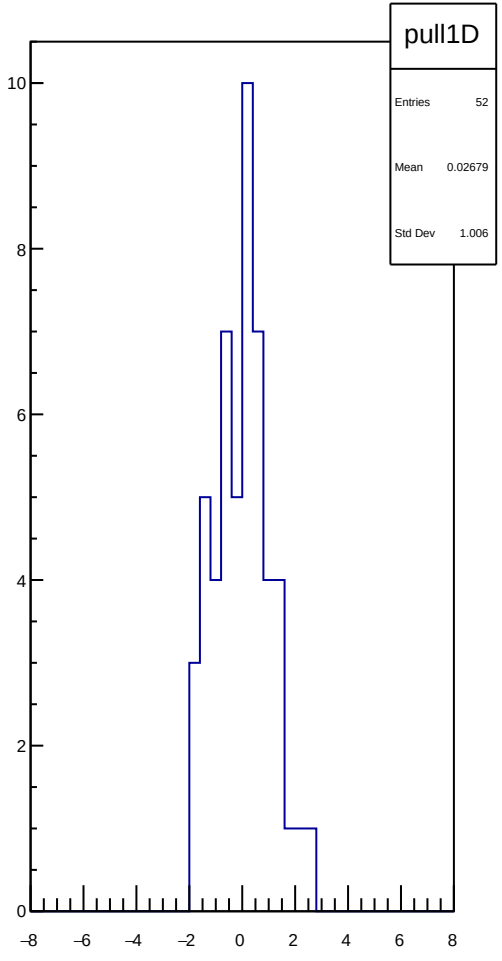

reg_asym_atl1r2_avg_diff_bpm4eY_slope vs run
χ² / ndf 58.16 / 51
p0 39.37 ± 43.11
1000
500
0
−500
−1000
pull
Entries 52
Mean −259.2
Std Dev 0
2
1
0
−1
−2

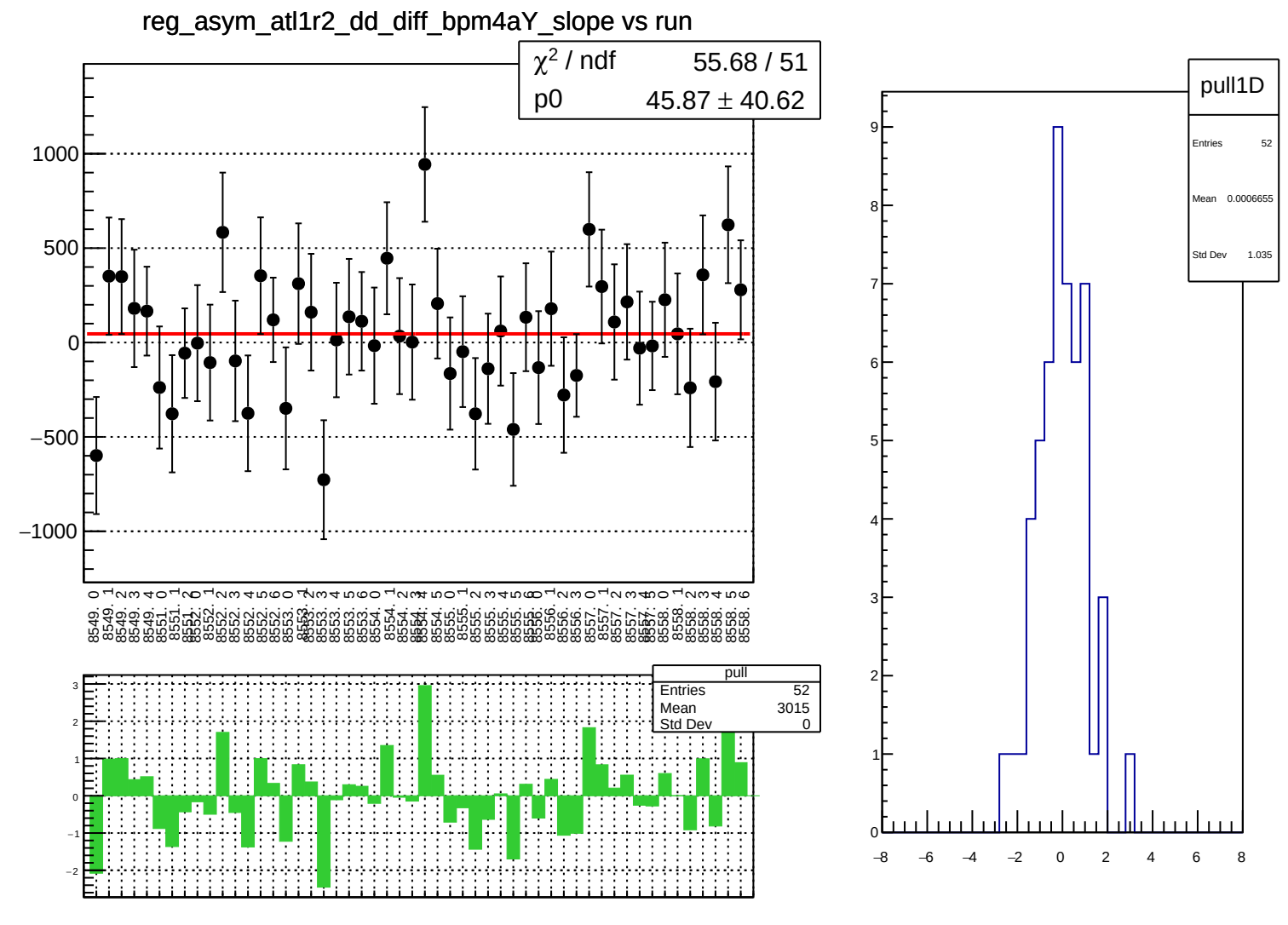

pull1D
Entries 52
Mean −0.005289
Std Dev 1.058
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

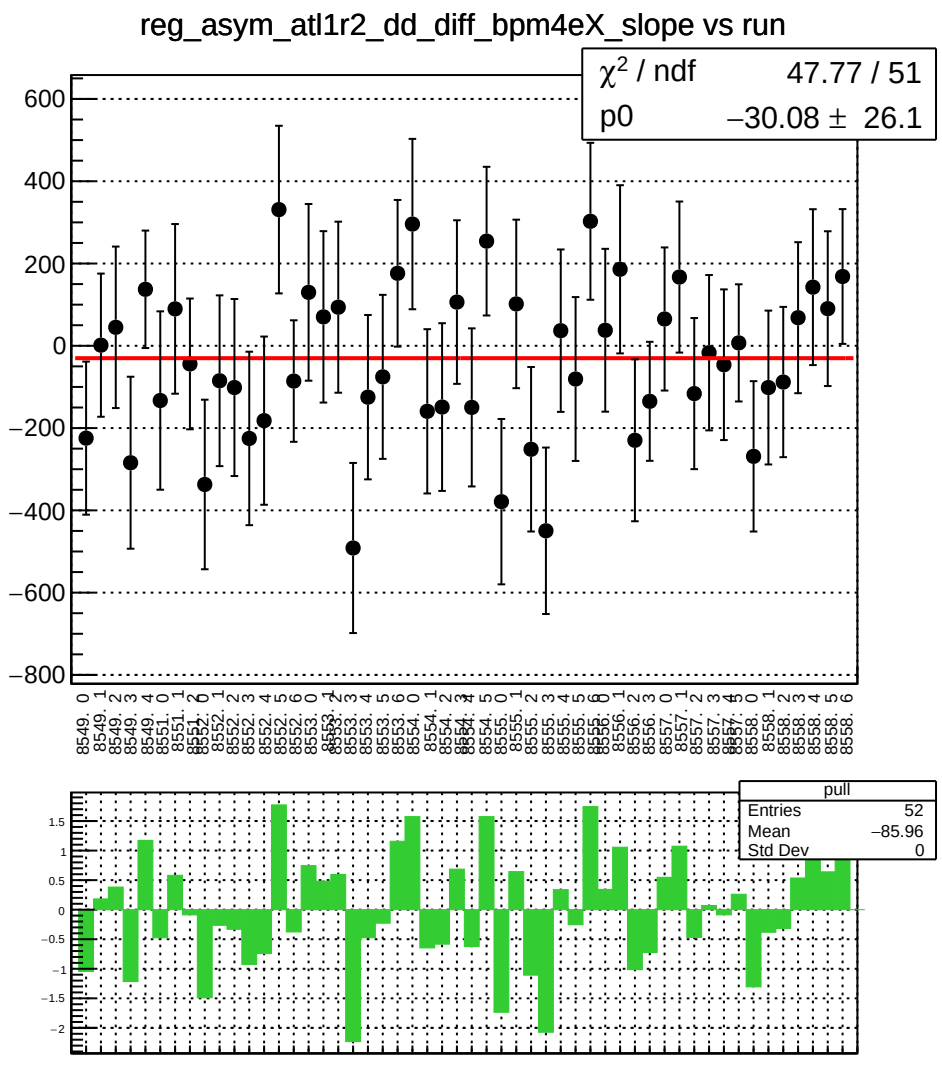

reg_asym_atl1r2_avg_diff_bpm12X_slope vs run
χ² / ndf 39 / 51
p0 −2.606 ± 2.821
pull
Entries 52
Mean 87.98
Std Dev 0

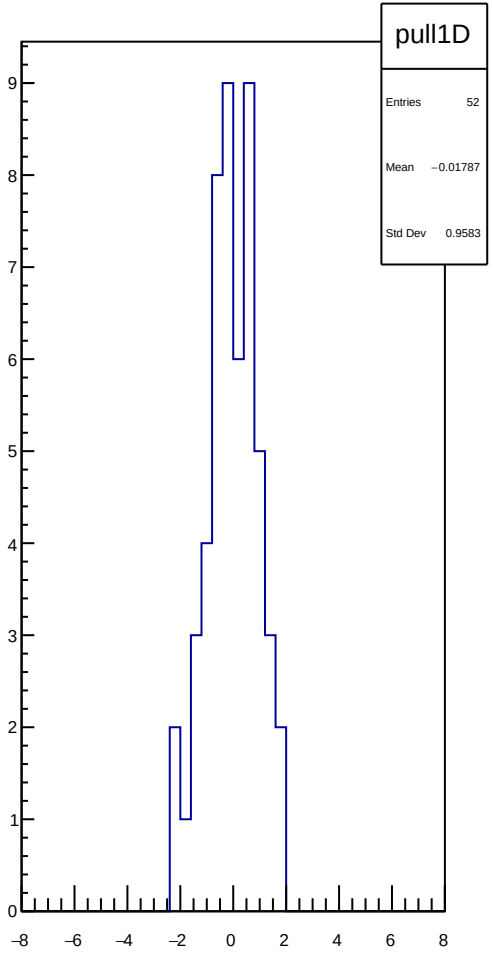

pull1D
Entries 52
Mean 0.01906
Std Dev 0.8658

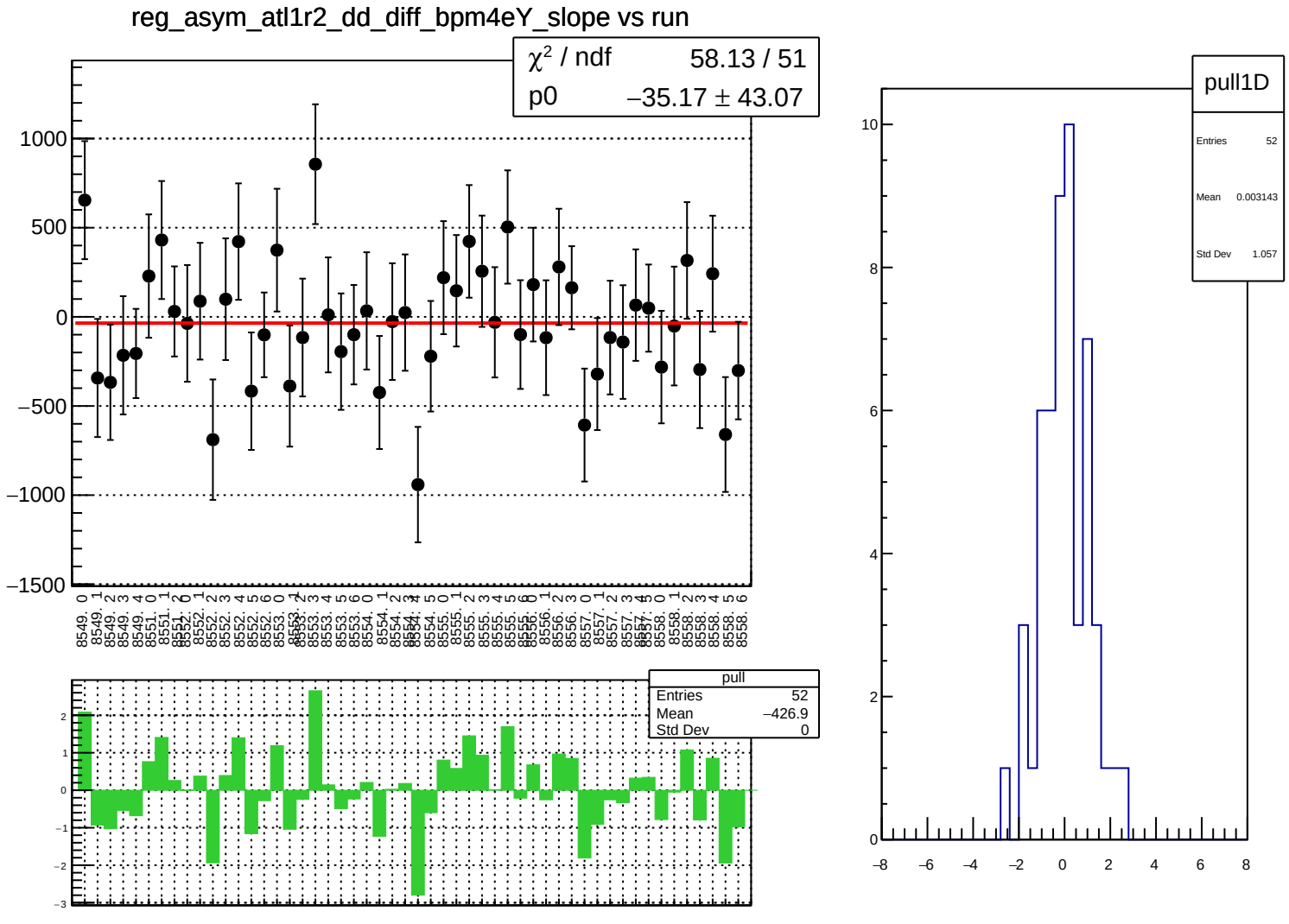

reg_asym_atl1r2_dd_diff_bpm1X_slope vs run
χ² / ndf 52.69 / 51
p0 24.37 ± 23.94
pull
Entries 52
Mean −73.68
Std Dev 0

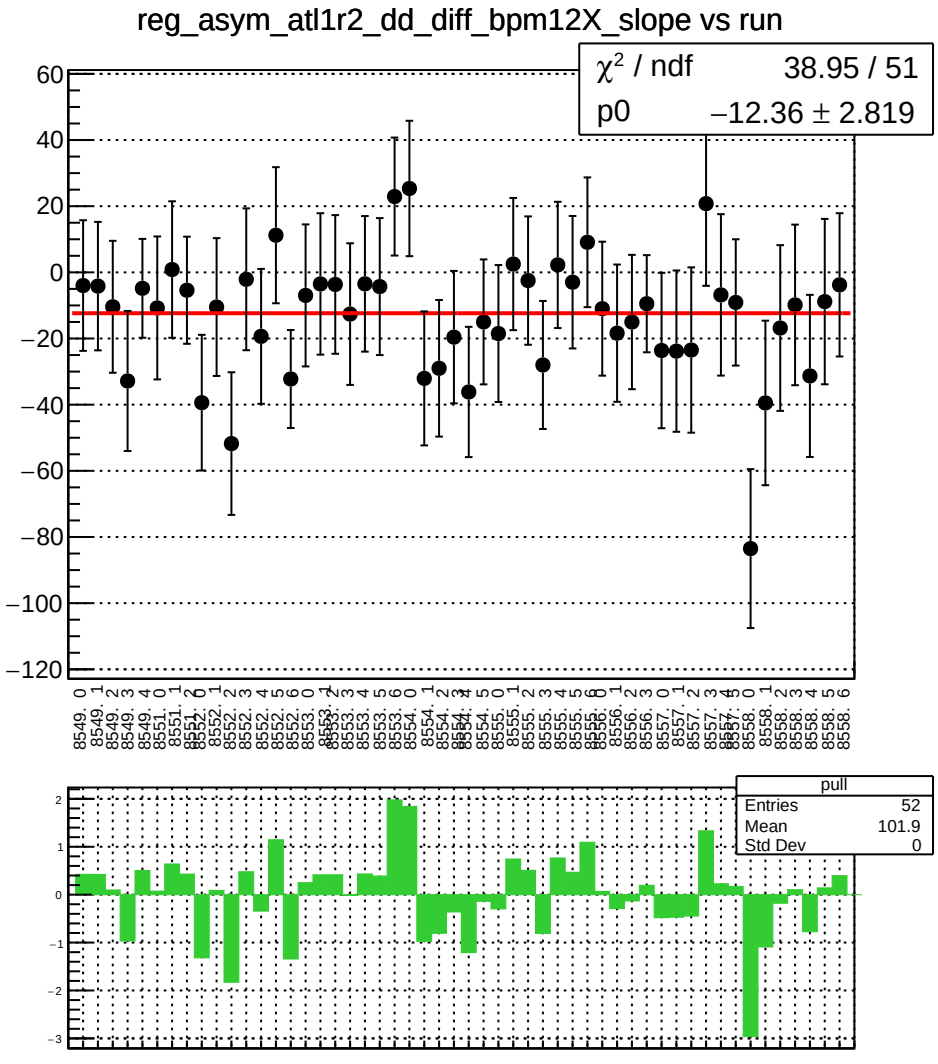

pull1D
Entries 52
Mean 0.02679
Std Dev 1.006

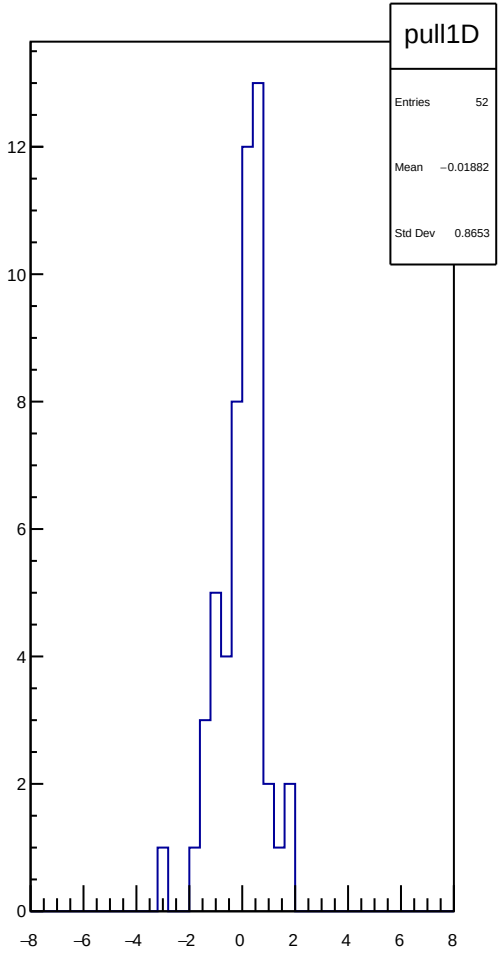

reg_asym_atl1r2_dd_diff_bpm4aY_slope vs run
χ² / ndf 55.68 / 51
p0 45.87 ± 40.62
1000
500
0
−500
−1000
pull
Entries 52
Mean 3015
Std Dev 0
pull1D
Entries 52
Mean 0.0006655
Std Dev 1.035

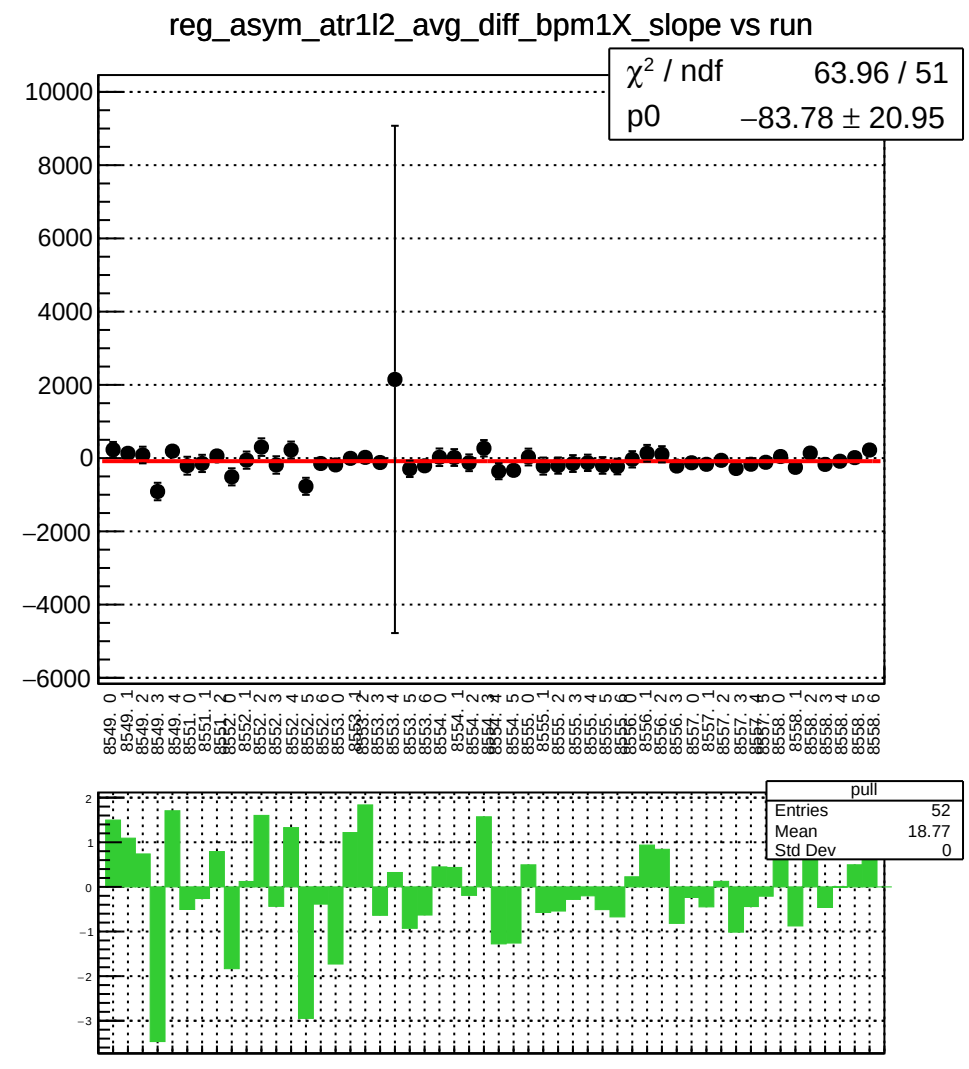

reg_asym_atl1r2_dd_diff_bpm4eX_slope vs run
χ² / ndf 47.77 / 51
p0 −30.08 ± 26.1
pull
Entries 52
Mean −85.96
Std Dev 0

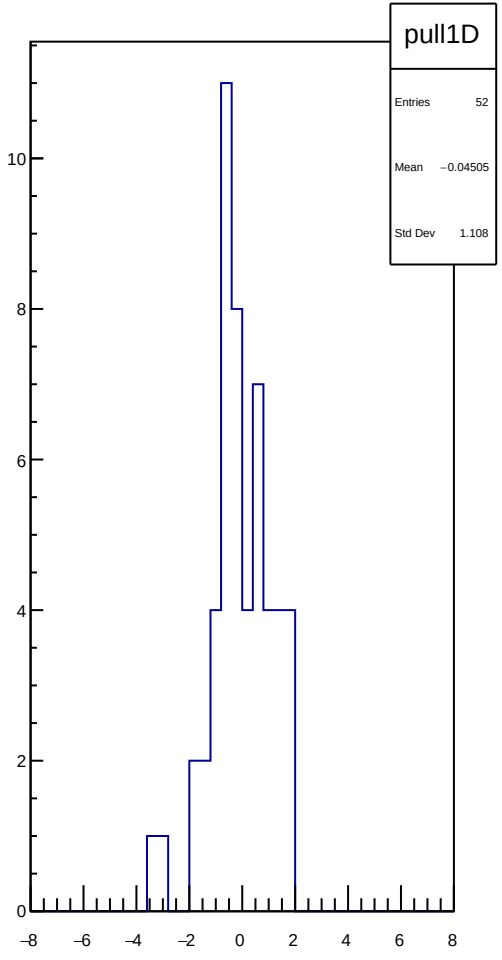

pull1D
Entries 52
Mean −0.01787
Std Dev 0.9583

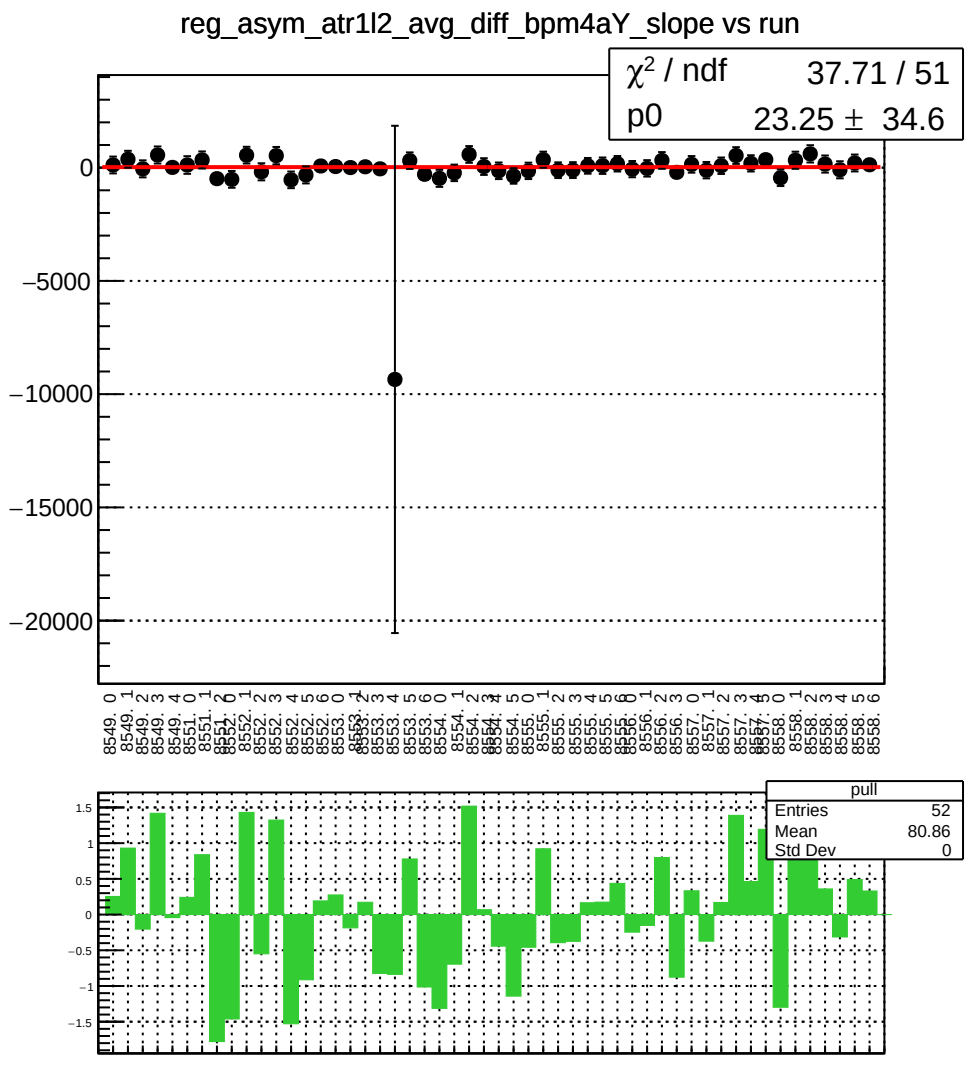

reg_asym_atl1r2_dd_diff_bpm4eY_slope vs run
χ² / ndf 58.13 / 51
p0 −35.17 ± 43.07
1000
500
0
−500
−1000
−1500
pull
Entries 52
Mean −426.9
Std Dev 0
pull1D
Entries 52
Mean 0.003143
Std Dev 1.057

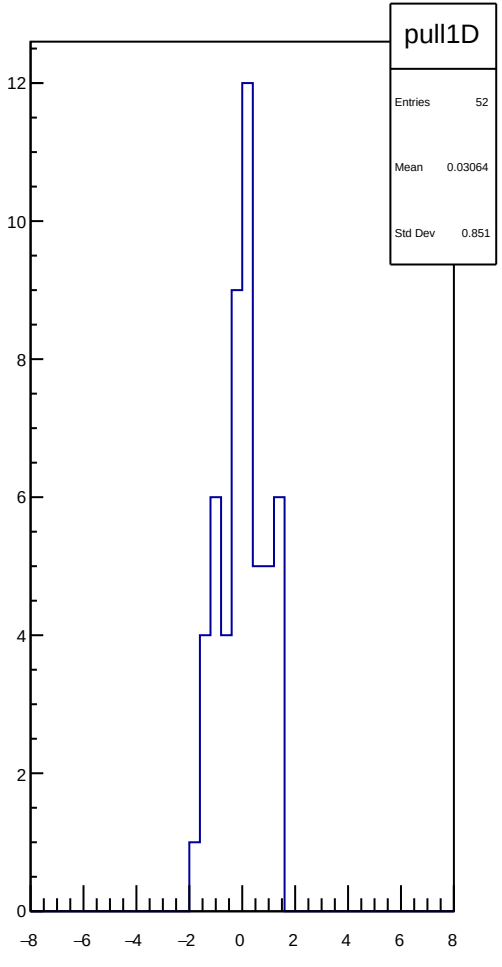

reg_asym_atl1r2_dd_diff_bpm12X_slope vs run
χ² / ndf 38.95 / 51
p0 −12.36 ± 2.819
pull
Entries 52
Mean 101.9
Std Dev 0

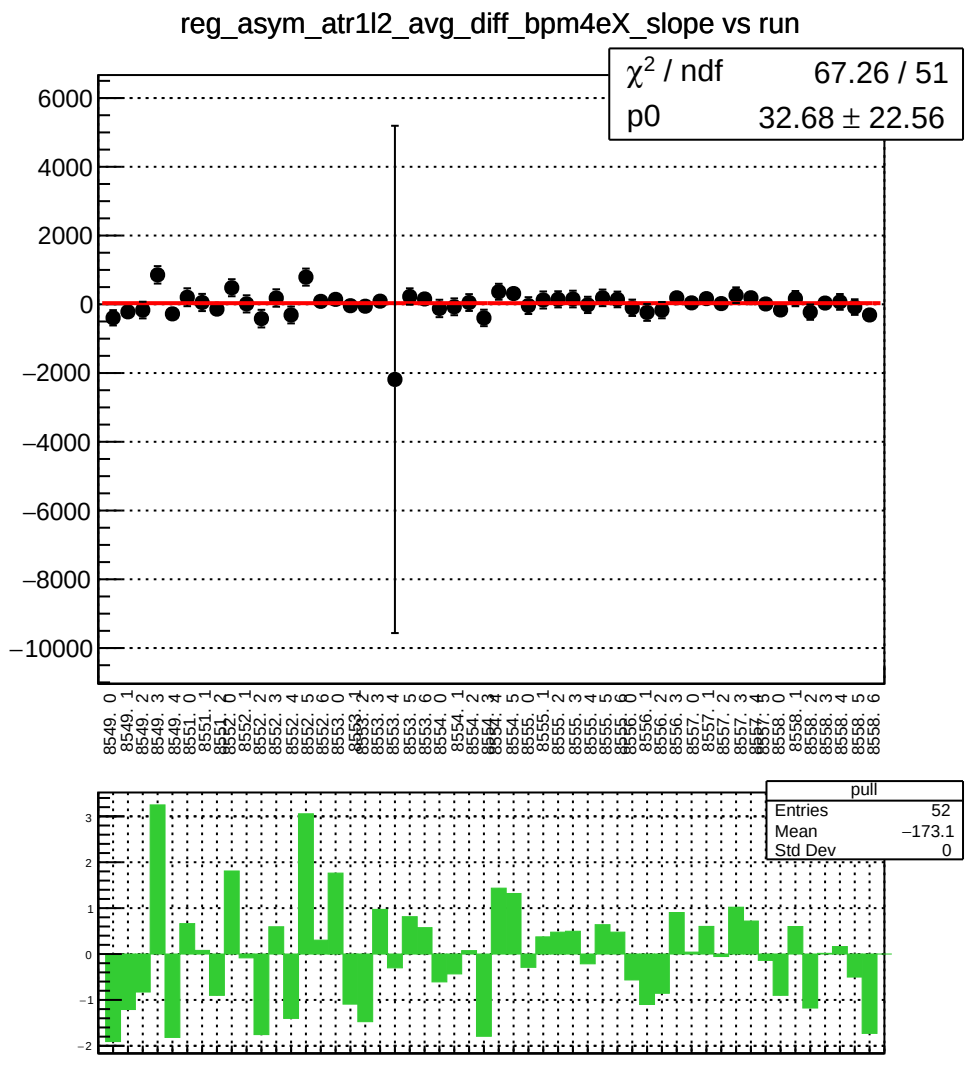

pull1D
Entries 52
Mean −0.01882
Std Dev 0.8653

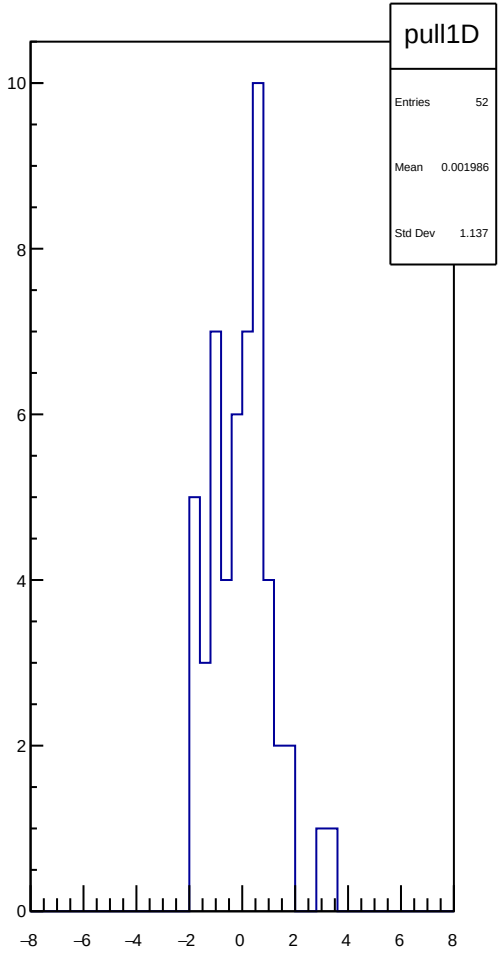

reg_asym_atr1l2_avg_diff_bpm1X_slope vs run
χ² / ndf 63.96 / 51
p0 −83.78 ± 20.95
pull
Entries 52
Mean 18.77
Std Dev 0

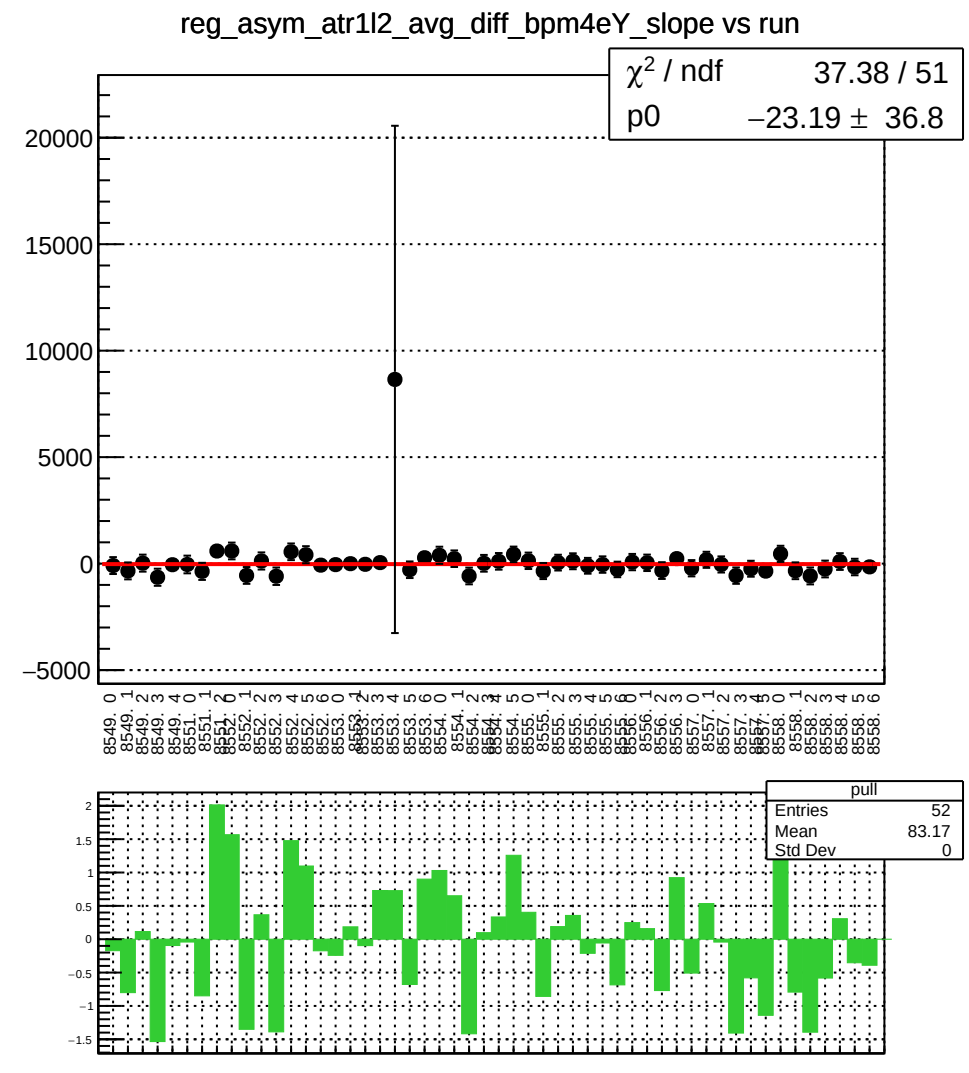

pull1D
Entries 52
Mean −0.04505
Std Dev 1.108

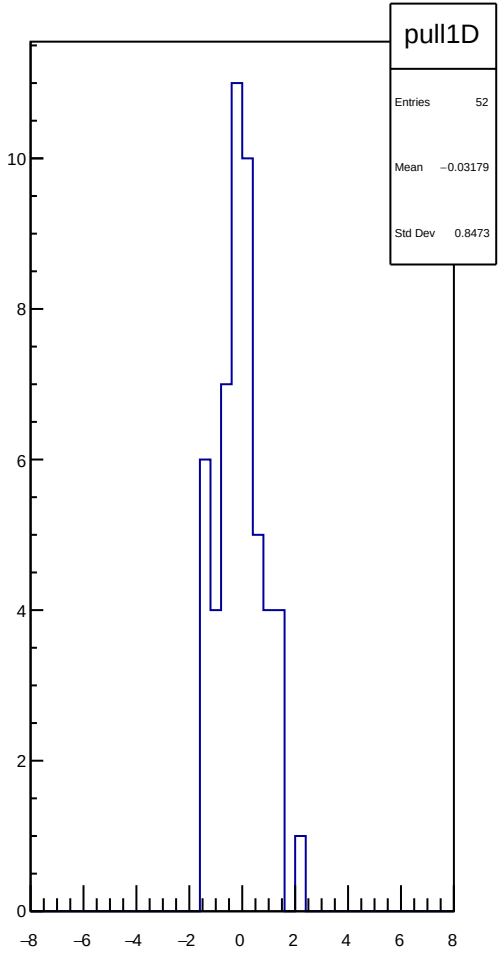

reg_asym_atr1l2_avg_diff_bpm4aY_slope vs run
χ² / ndf 37.71 / 51
p0 23.25 ± 34.6
0
−5000
−10000
−15000
−20000
pull
Entries 52
Mean 80.86
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5

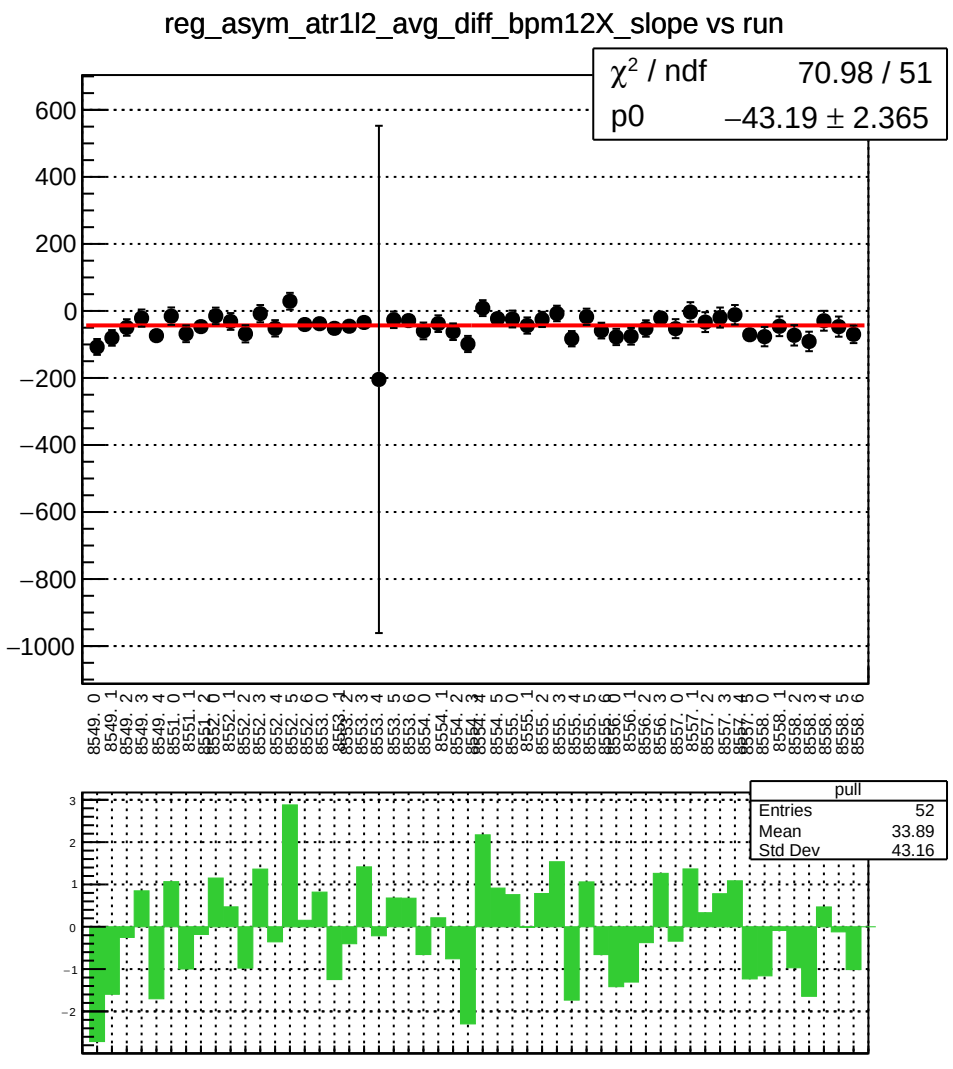

pull1D
Entries 52
Mean 0.03064
Std Dev 0.851
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

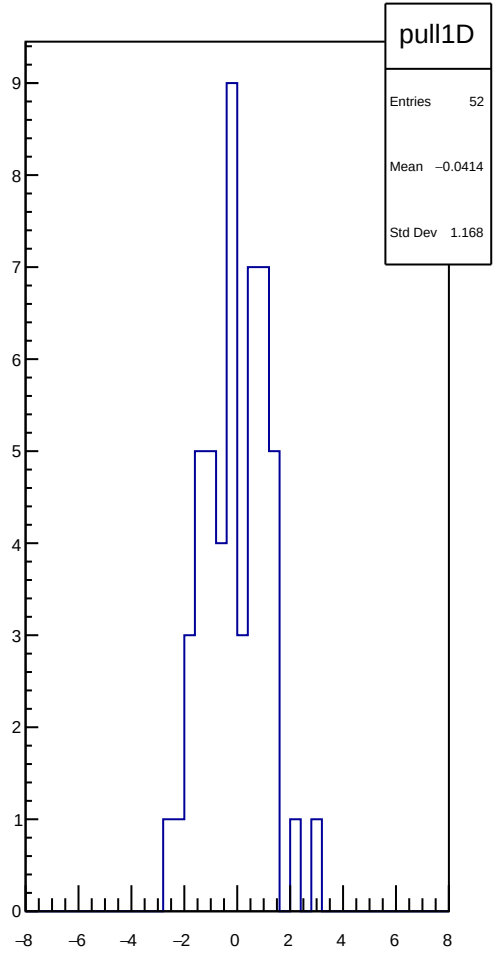

reg_asym_atr1l2_avg_diff_bpm4eX_slope vs run
χ² / ndf 67.26 / 51
p0 32.68 ± 22.56
pull
Entries 52
Mean −173.1
Std Dev 0

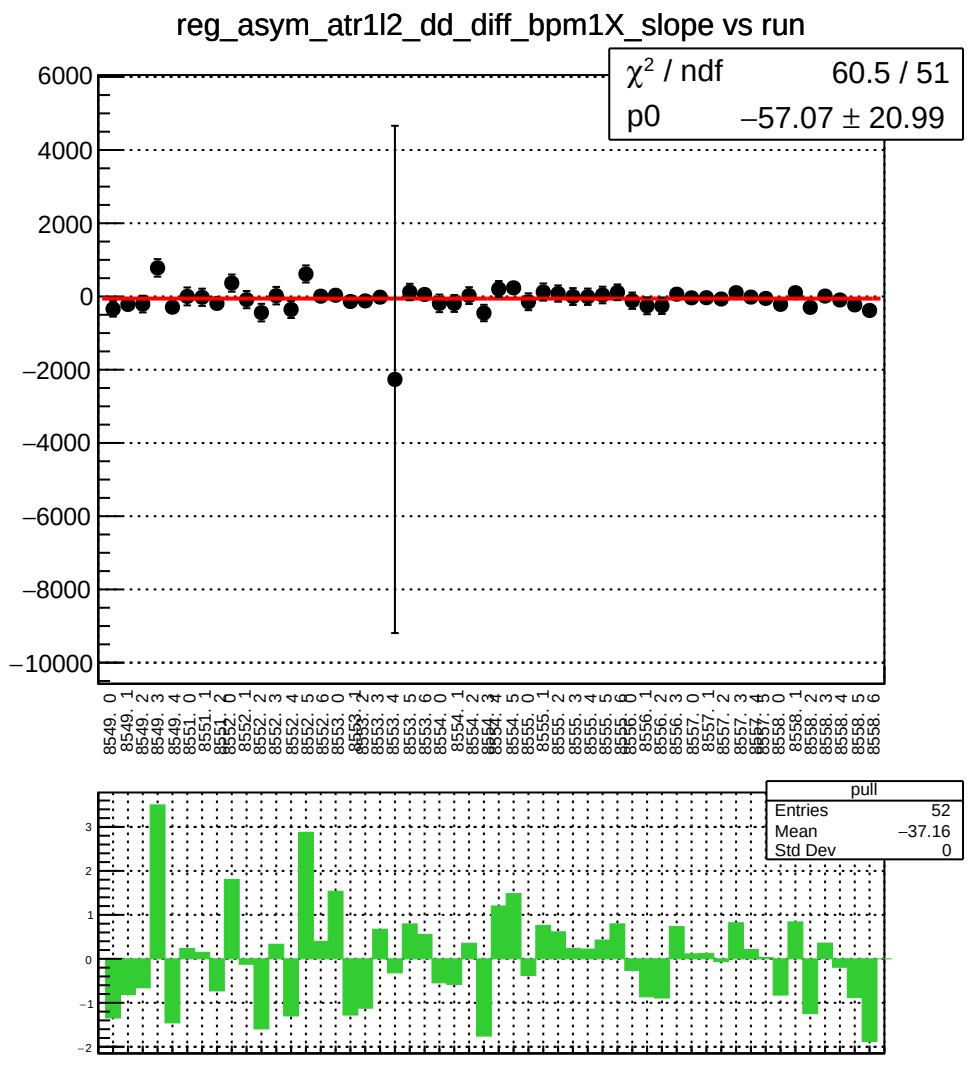

pull1D
Entries 52
Mean 0.001986
Std Dev 1.137

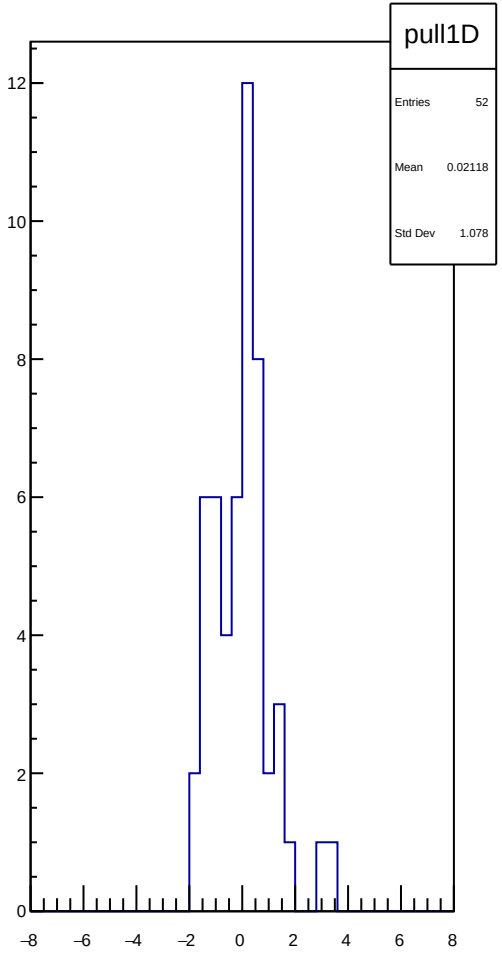

reg_asym_atr1l2_avg_diff_bpm4eY_slope vs run
χ² / ndf 37.38 / 51
p0 −23.19 ± 36.8
20000
15000
10000
5000
0
−5000
pull
Entries 52
Mean 83.17
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5

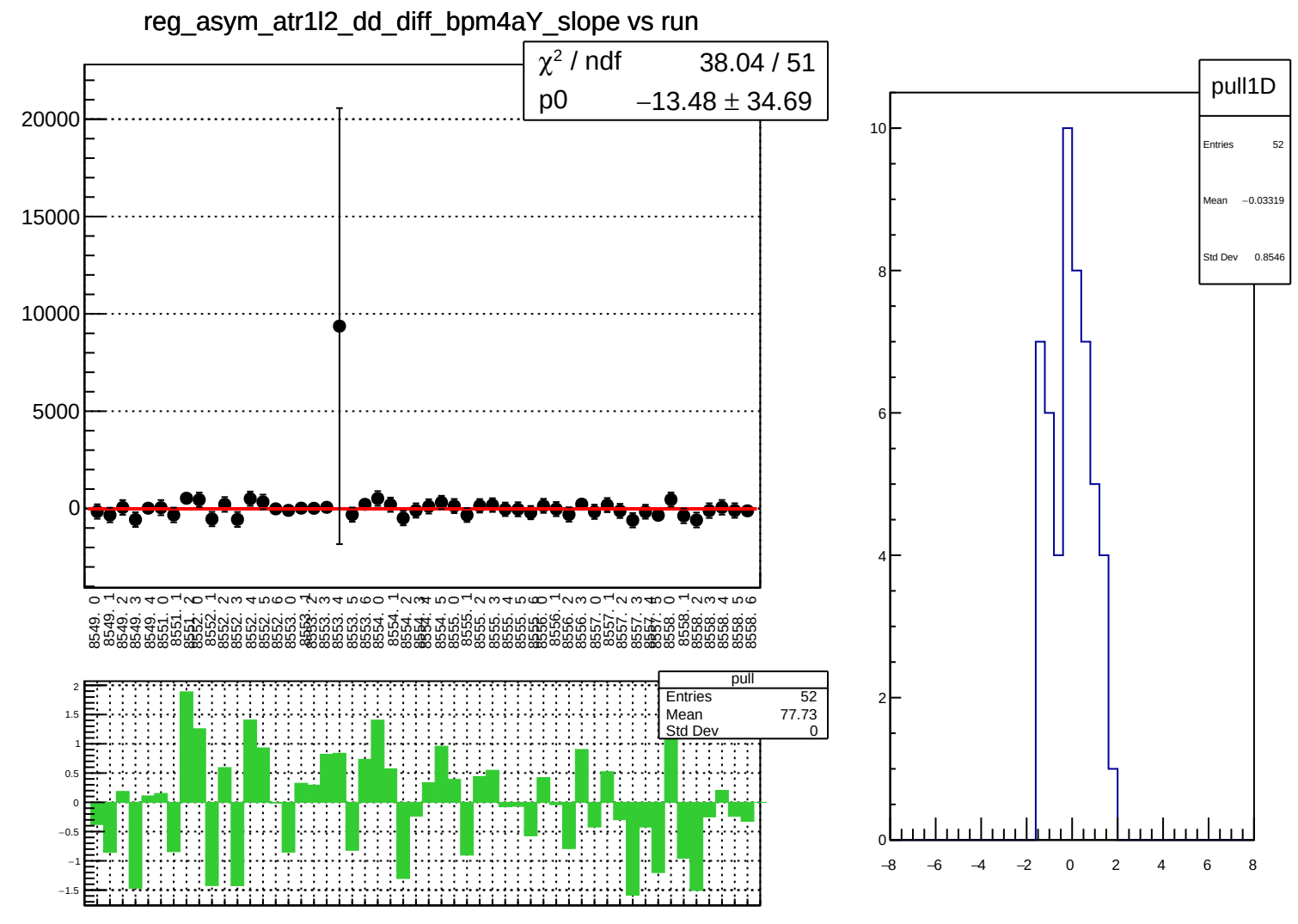

pull1D
Entries 52
Mean −0.03179
Std Dev 0.8473
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

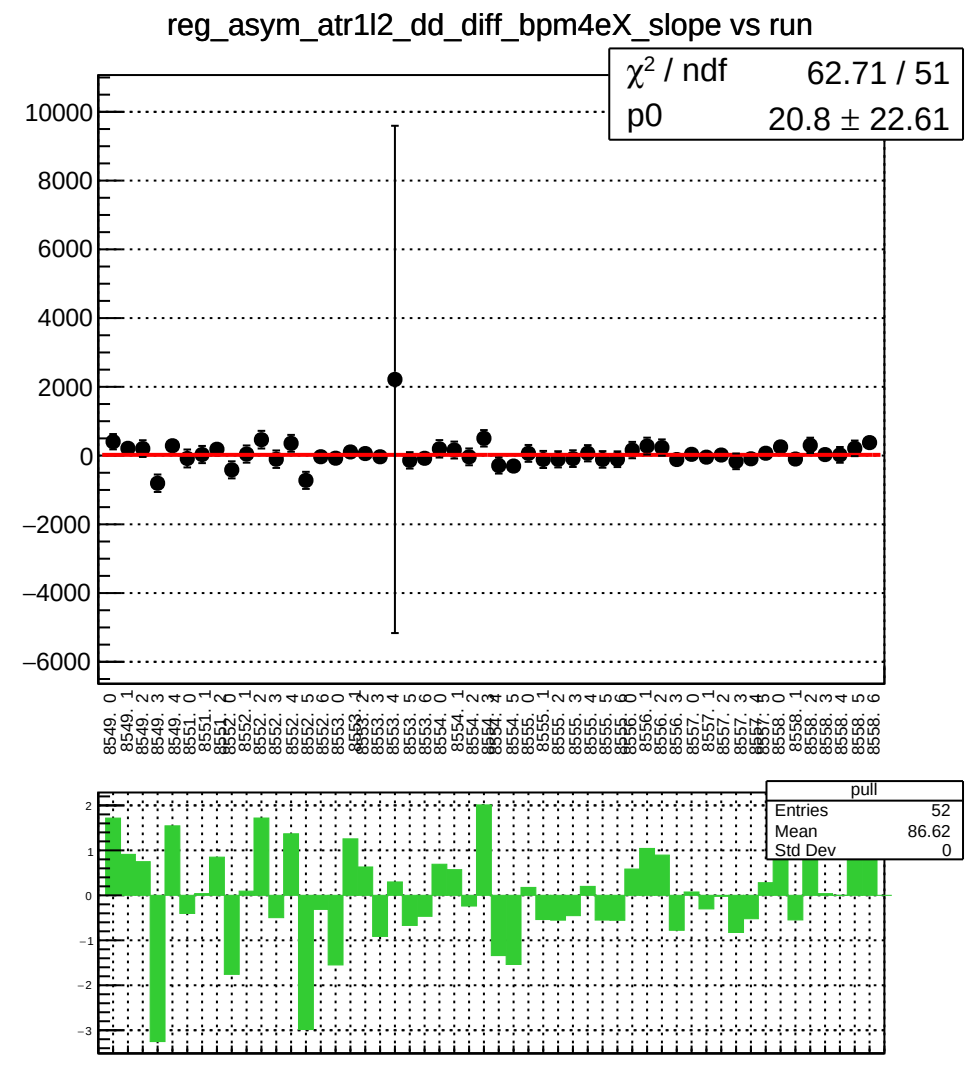

reg_asym_atr1l2_avg_diff_bpm12X_slope vs run
χ² / ndf 70.98 / 51
p0 −43.19 ± 2.365
pull
Entries 52
Mean 33.89
Std Dev 43.16

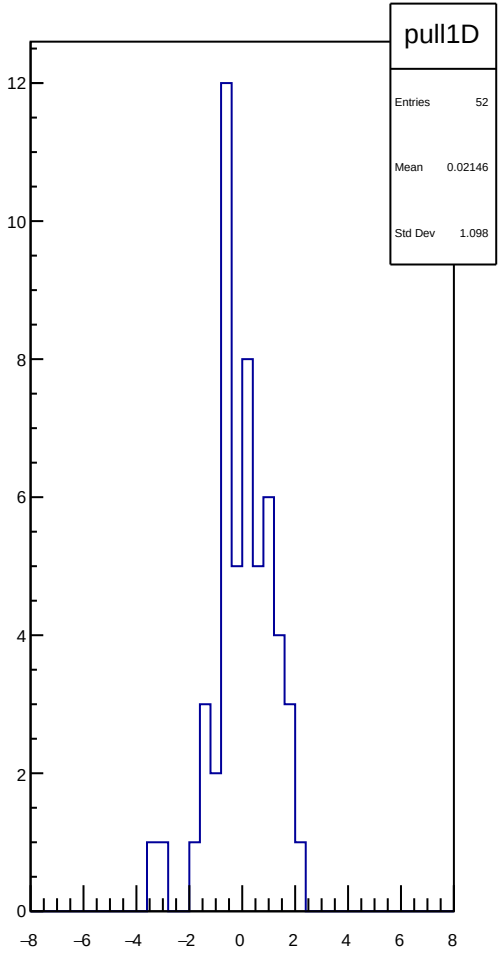

pull1D
Entries 52
Mean −0.0414
Std Dev 1.168

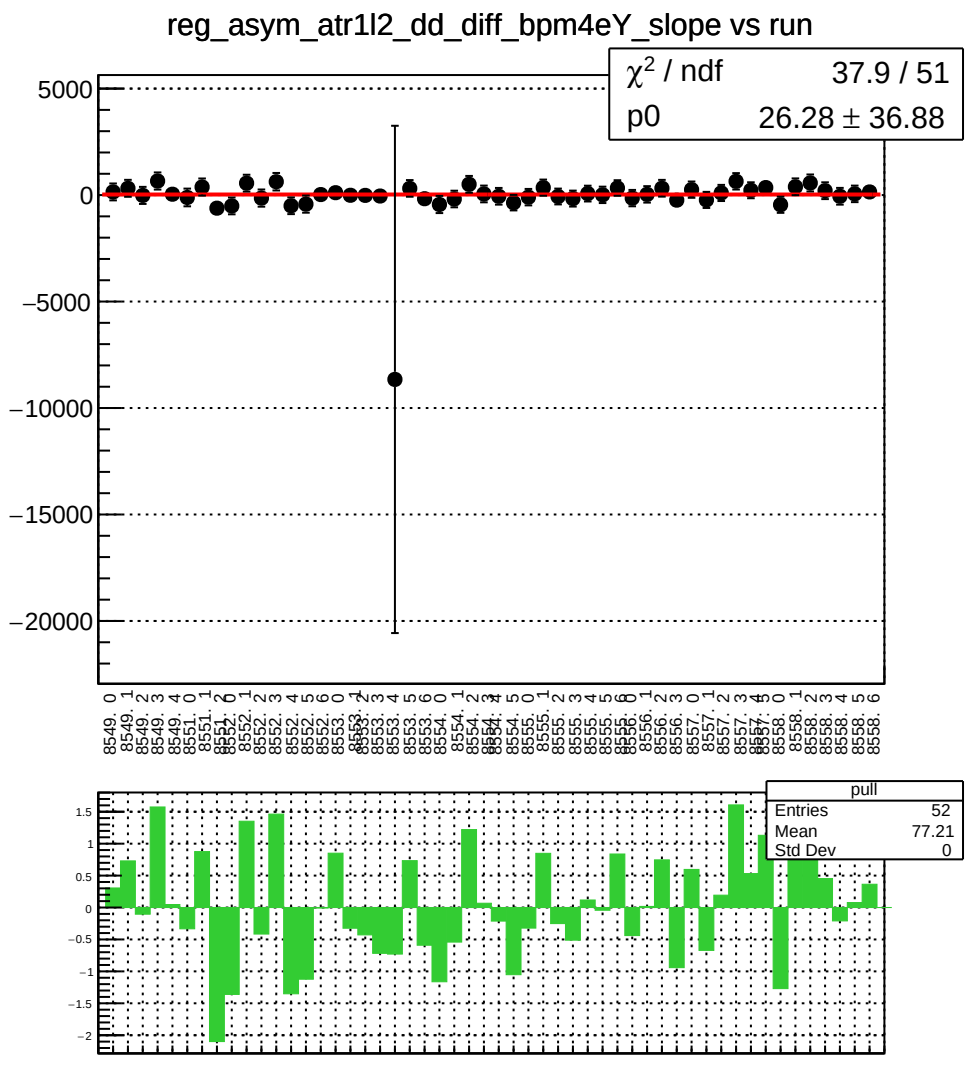

reg_asym_atr1l2_dd_diff_bpm1X_slope vs run
χ² / ndf 60.5 / 51
p0 −57.07 ± 20.99
pull
Entries 52
Mean −37.16
Std Dev 0

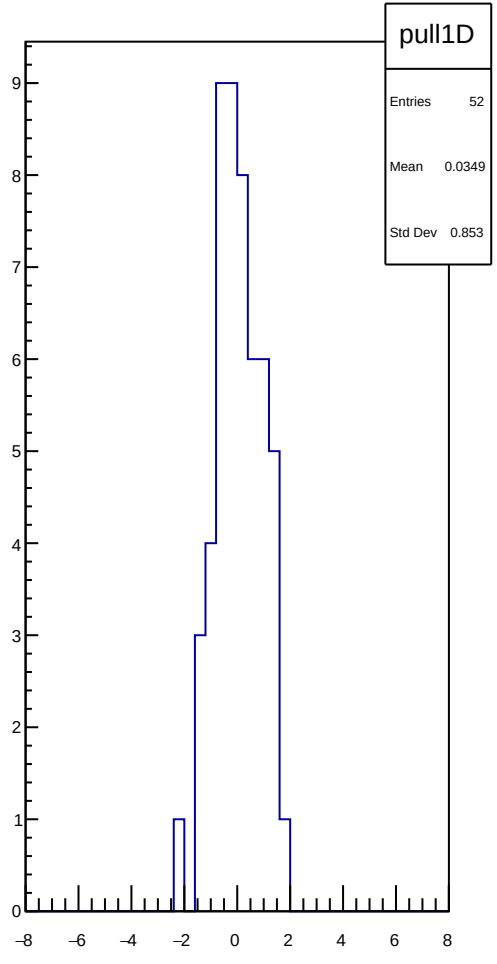

pull1D
Entries 52
Mean 0.02118
Std Dev 1.078

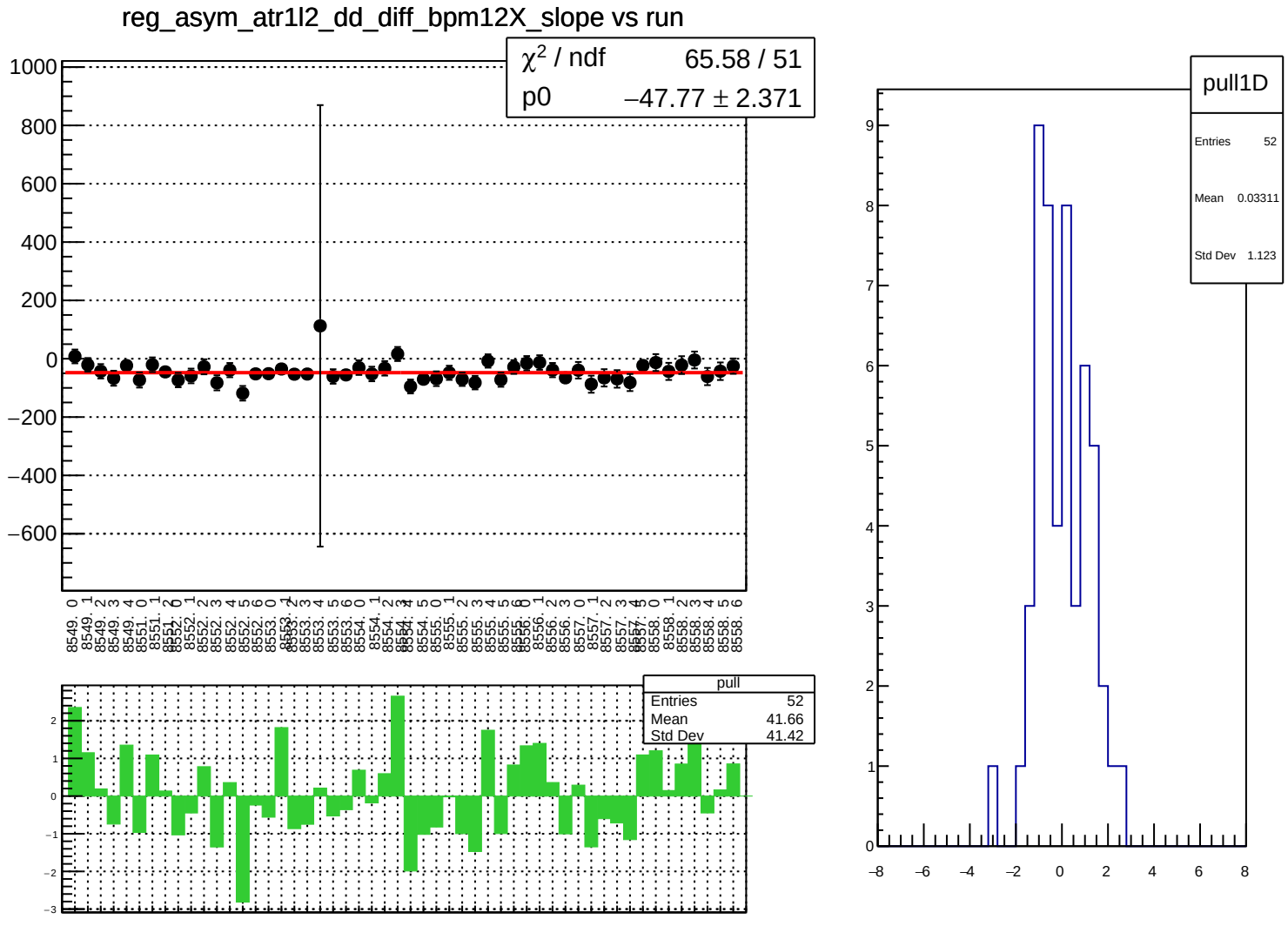

reg_asym_atr1l2_dd_diff_bpm4aY_slope vs run
χ² / ndf 38.04 / 51
p0 −13.48 ± 34.69
20000
15000
10000
5000
0
pull
Entries 52
Mean 77.73
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 52
Mean −0.03319
Std Dev 0.8546
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

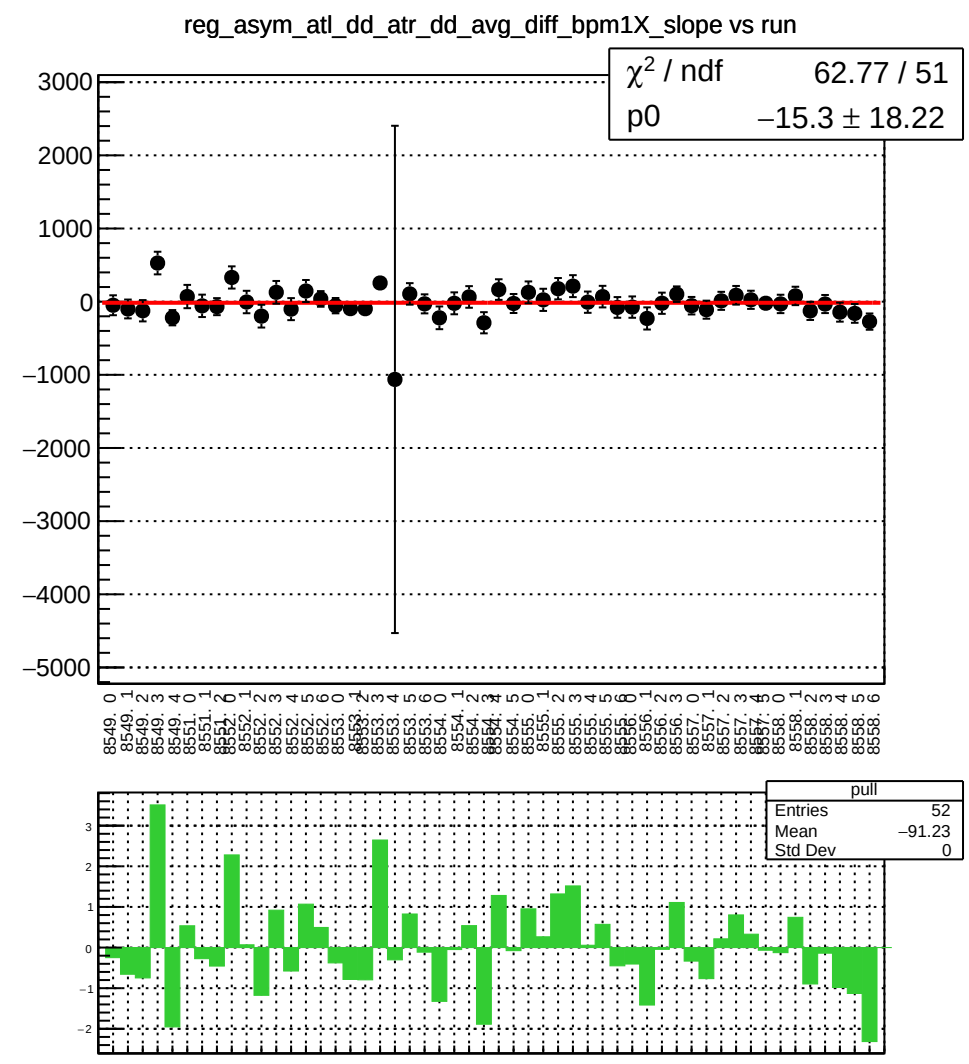

reg_asym_atr1l2_dd_diff_bpm4eX_slope vs run
χ² / ndf 62.71 / 51
p0 20.8 ± 22.61
pull
Entries 52
Mean 86.62
Std Dev 0

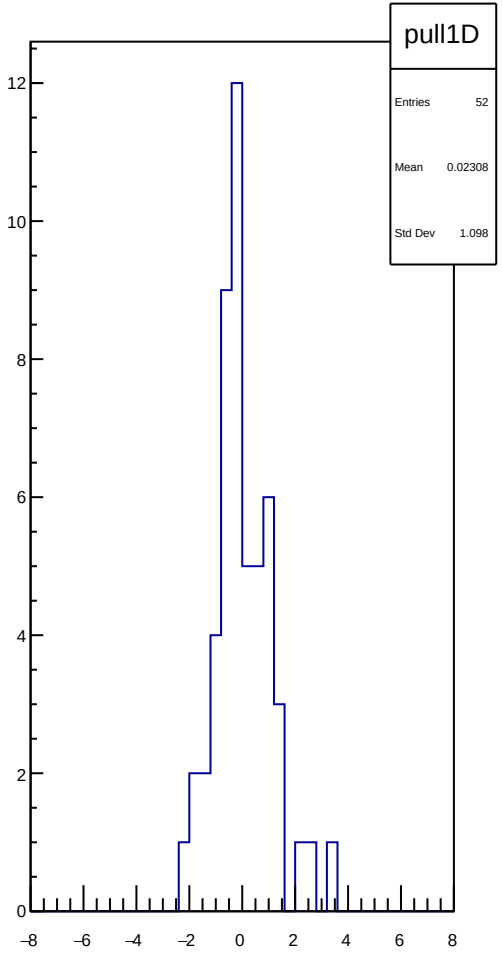

pull1D
Entries 52
Mean 0.02146
Std Dev 1.098

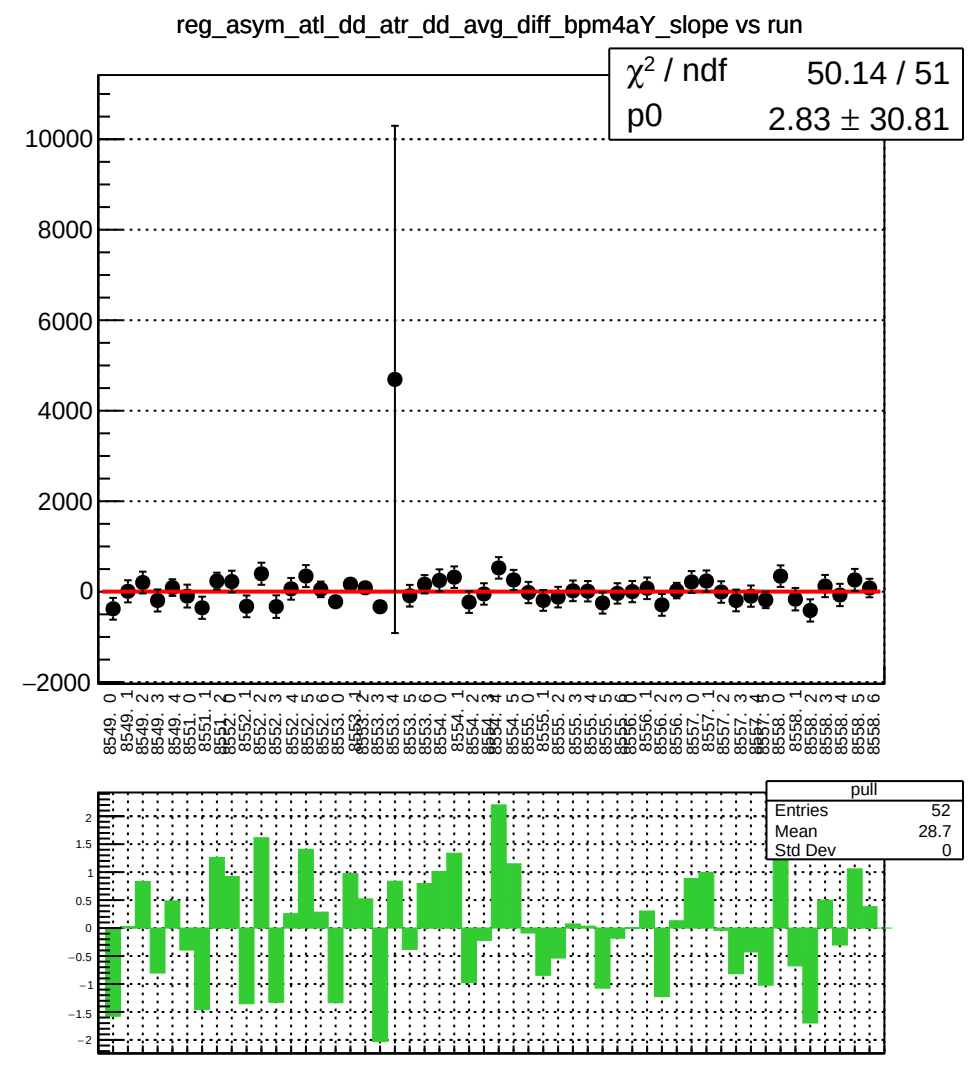

reg_asym_atr1l2_dd_diff_bpm4eY_slope vs run
χ² / ndf 37.9 / 51
p0 26.28 ± 36.88
5000
0
−5000
−10000
−15000
−20000
pull
Entries 52
Mean 77.21
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2

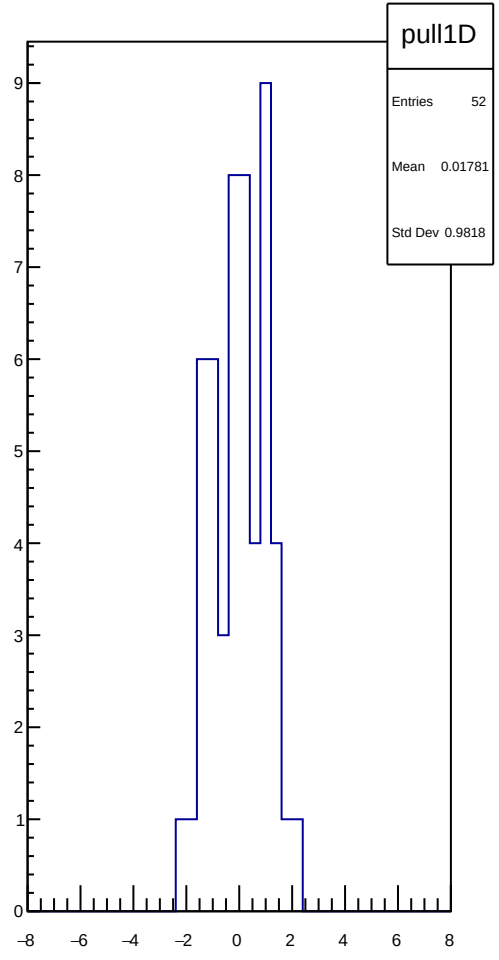

pull1D
Entries 52
Mean 0.0349
Std Dev 0.853
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

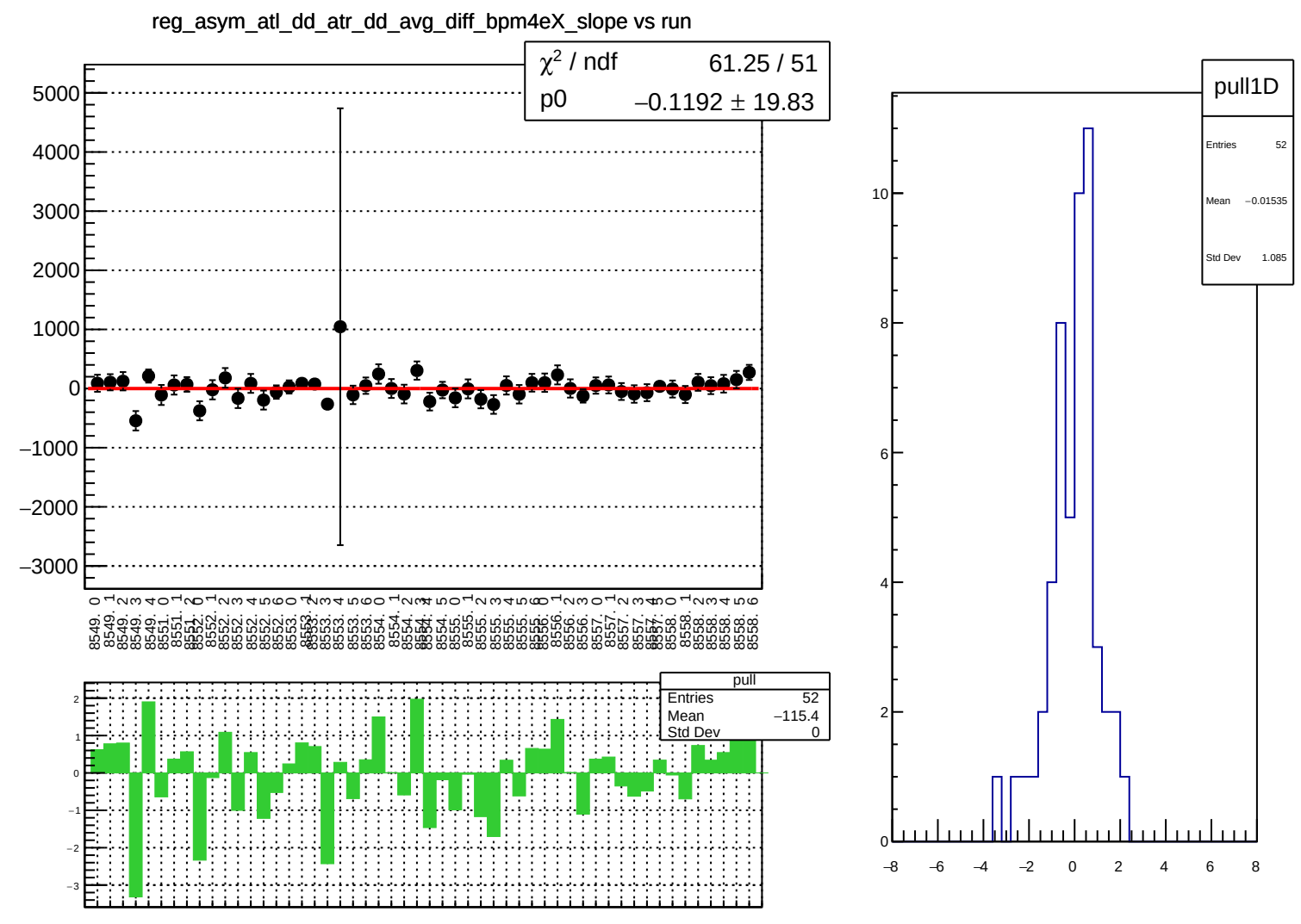

reg_asym_atr1l2_dd_diff_bpm12X_slope vs run
χ² / ndf 65.58 / 51
p0 −47.77 ± 2.371
pull
Entries 52
Mean 41.66
Std Dev 41.42
pull1D
Entries 52
Mean 0.03311
Std Dev 1.123

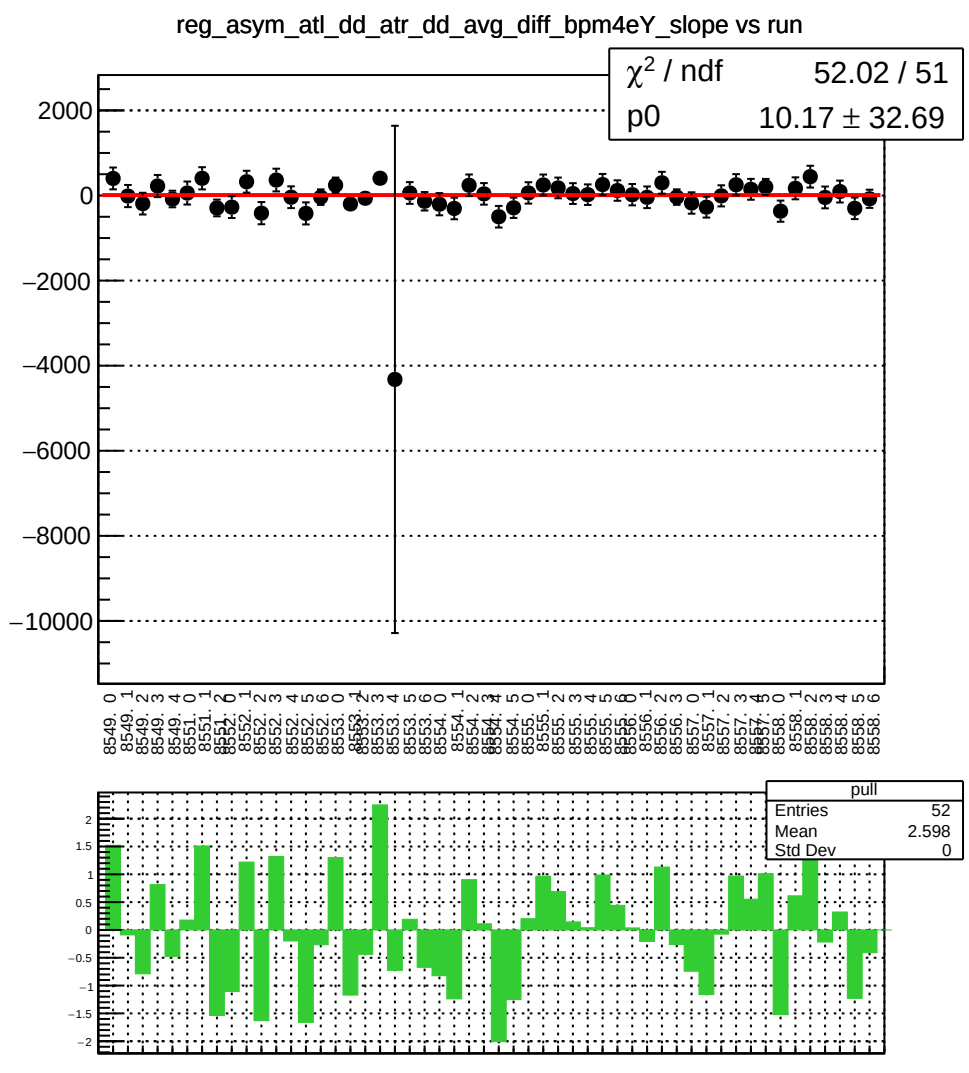

reg_asym_atl_dd_atr_dd_avg_diff_bpm1X_slope vs run
χ² / ndf 62.77 / 51
p0 −15.3 ± 18.22
pull
Entries 52
Mean −91.23
Std Dev 0

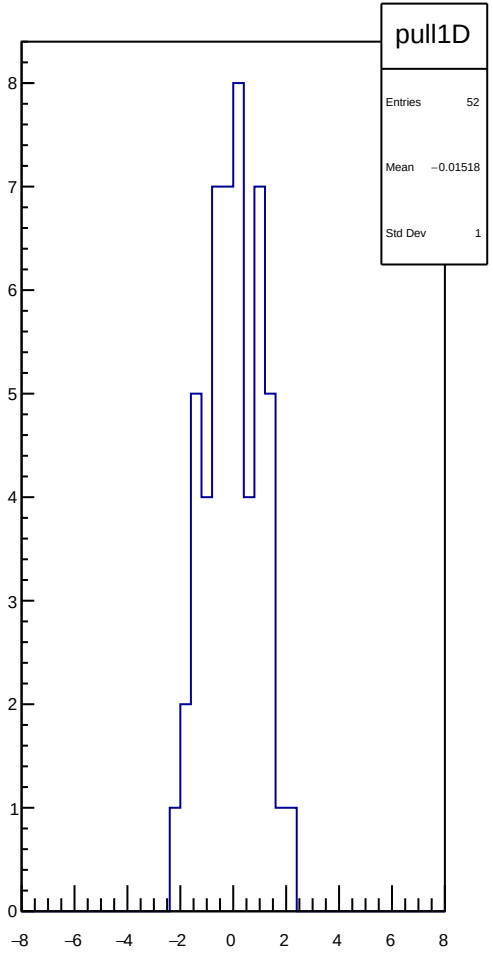

pull1D
Entries 52
Mean 0.02308
Std Dev 1.098

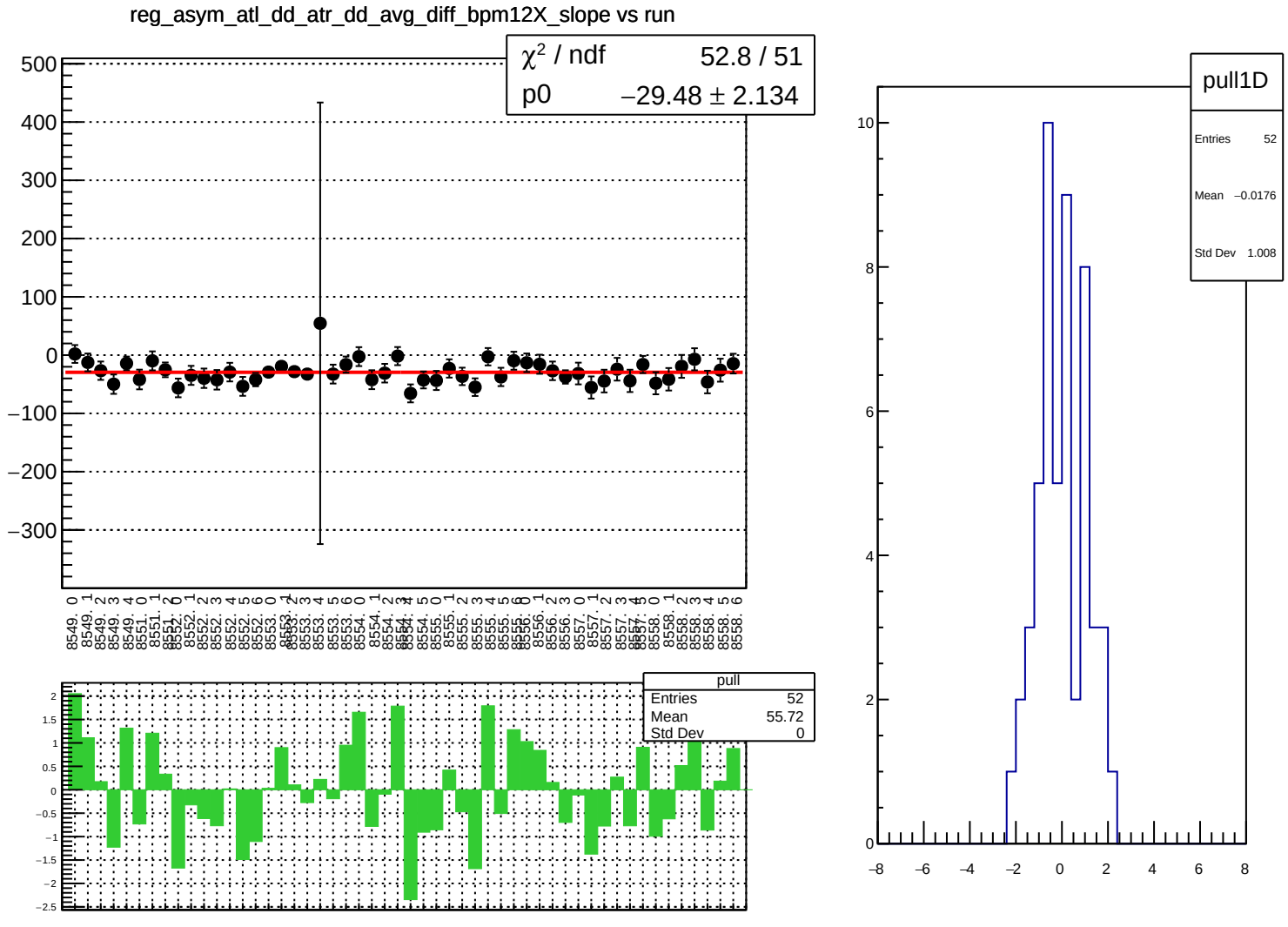

reg_asym_atl_dd_atr_dd_avg_diff_bpm4aY_slope vs run
χ² / ndf 50.14 / 51
p0 2.83 ± 30.81
pull
Entries 52
Mean 28.7
Std Dev 0

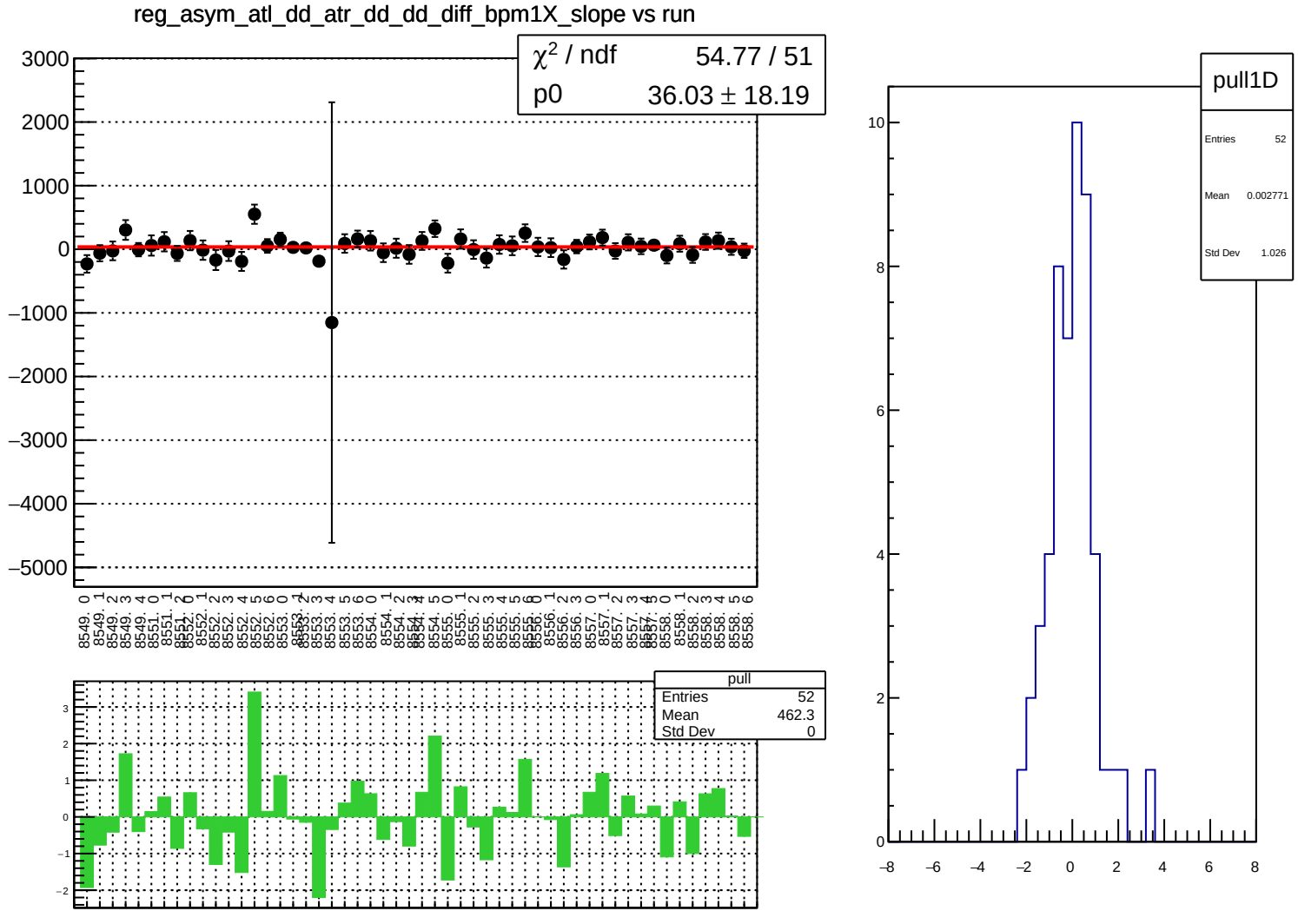

pull1D
Entries 52
Mean 0.01781
Std Dev 0.9818

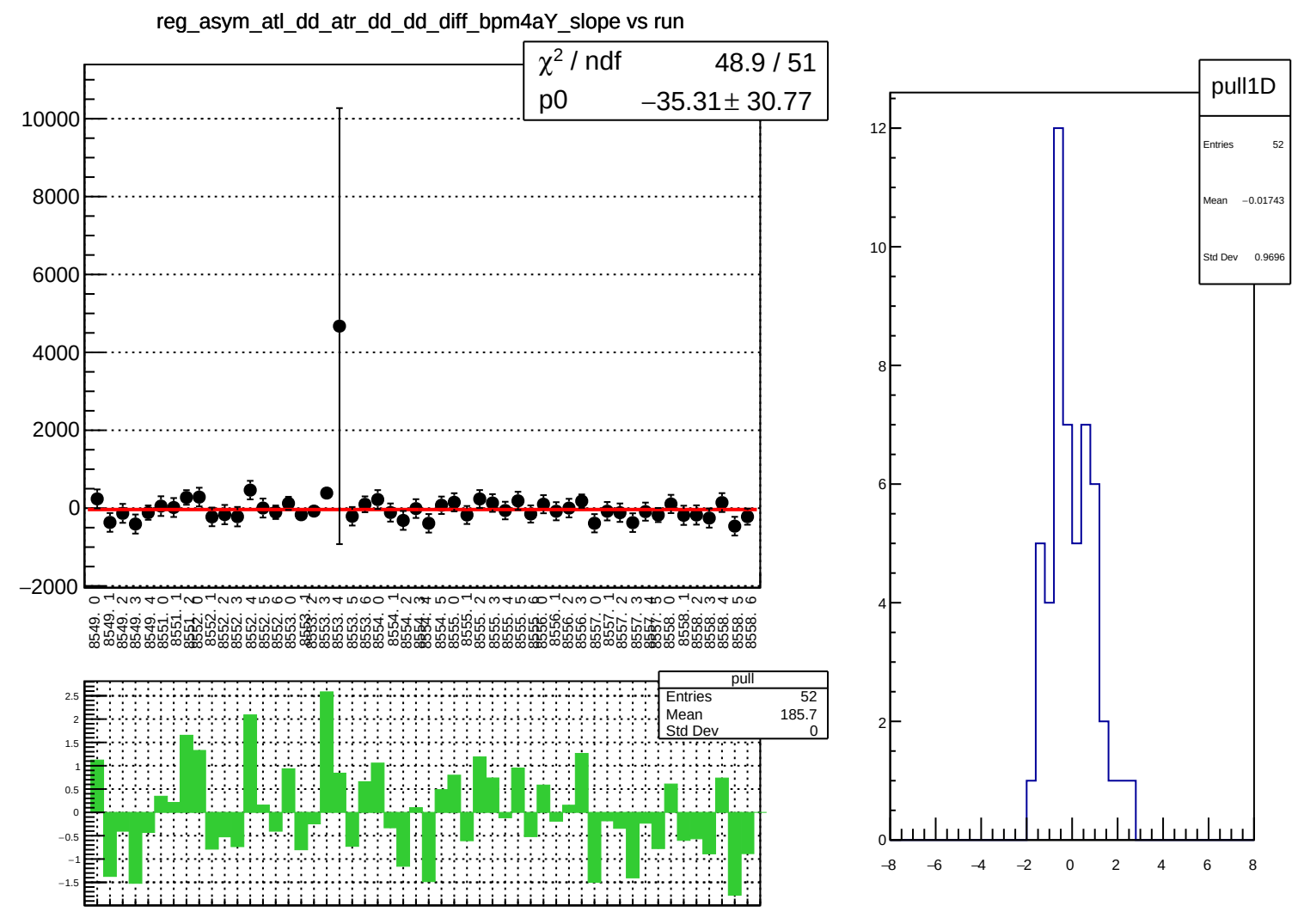

reg_asym_atl_dd_atr_dd_avg_diff_bpm4eX_slope vs run
χ² / ndf 61.25 / 51
p0 −0.1192 ± 19.83
pull
Entries 52
Mean −115.4
Std Dev 0
pull1D
Entries 52
Mean −0.01535
Std Dev 1.085

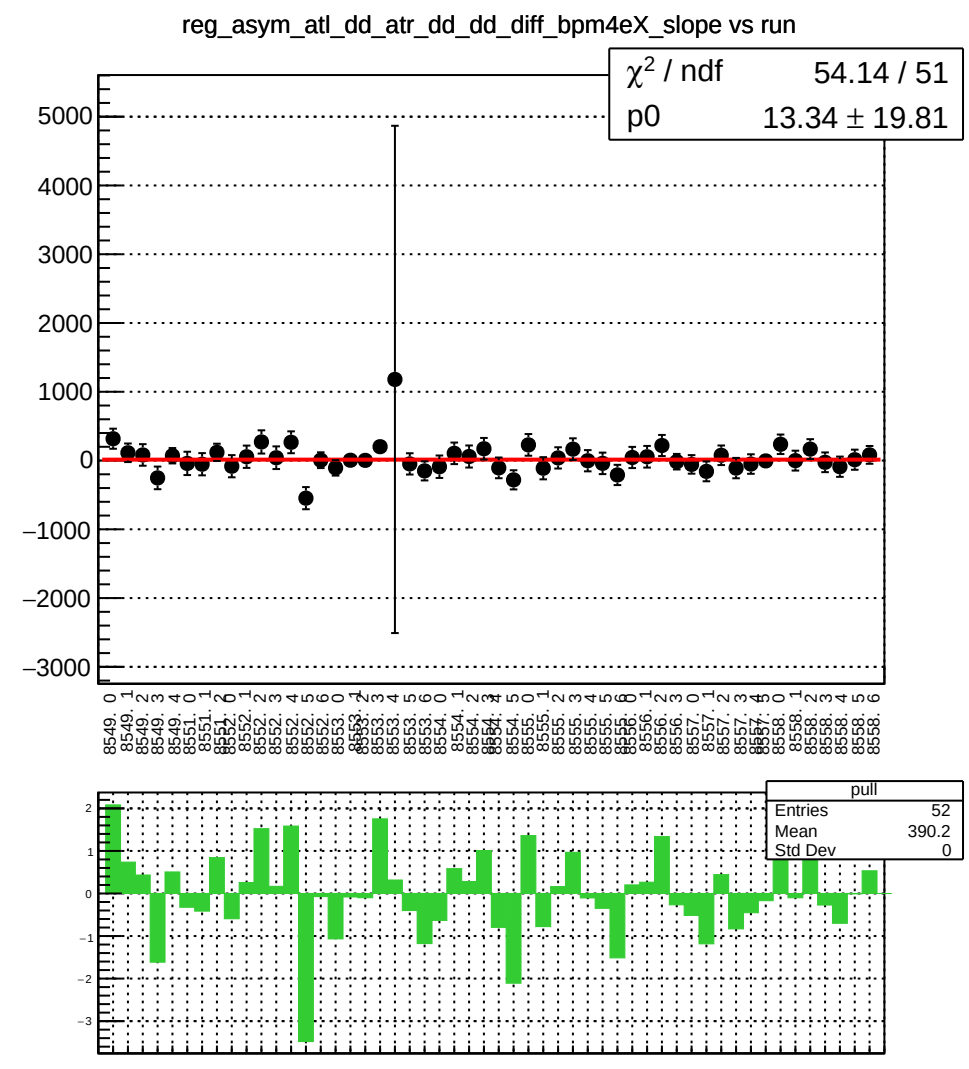

reg_asym_atl_dd_atr_dd_avg_diff_bpm4eY_slope vs run
χ² / ndf 52.02 / 51
p0 10.17 ± 32.69
2000
0
−2000
−4000
−6000
−8000
−10000
pull
Entries 52
Mean 2.598
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

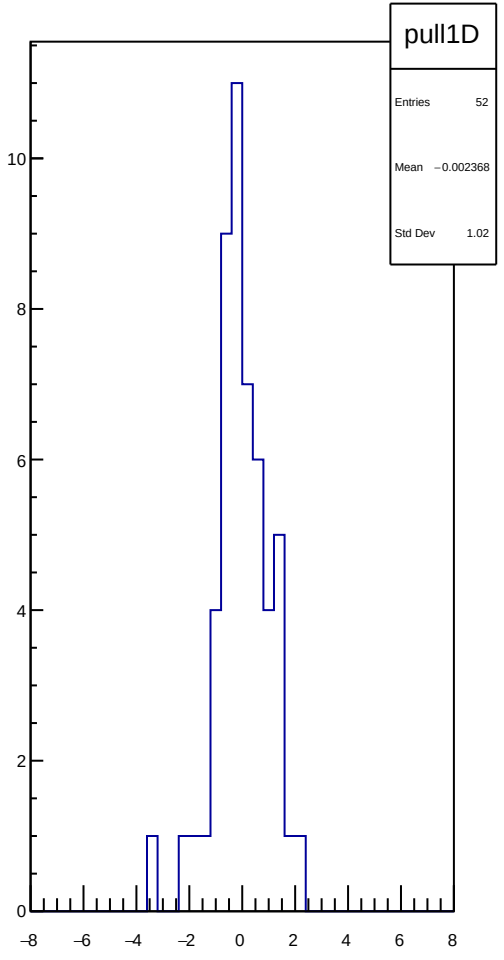

pull1D
Entries 52
Mean −0.01518
Std Dev 1
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

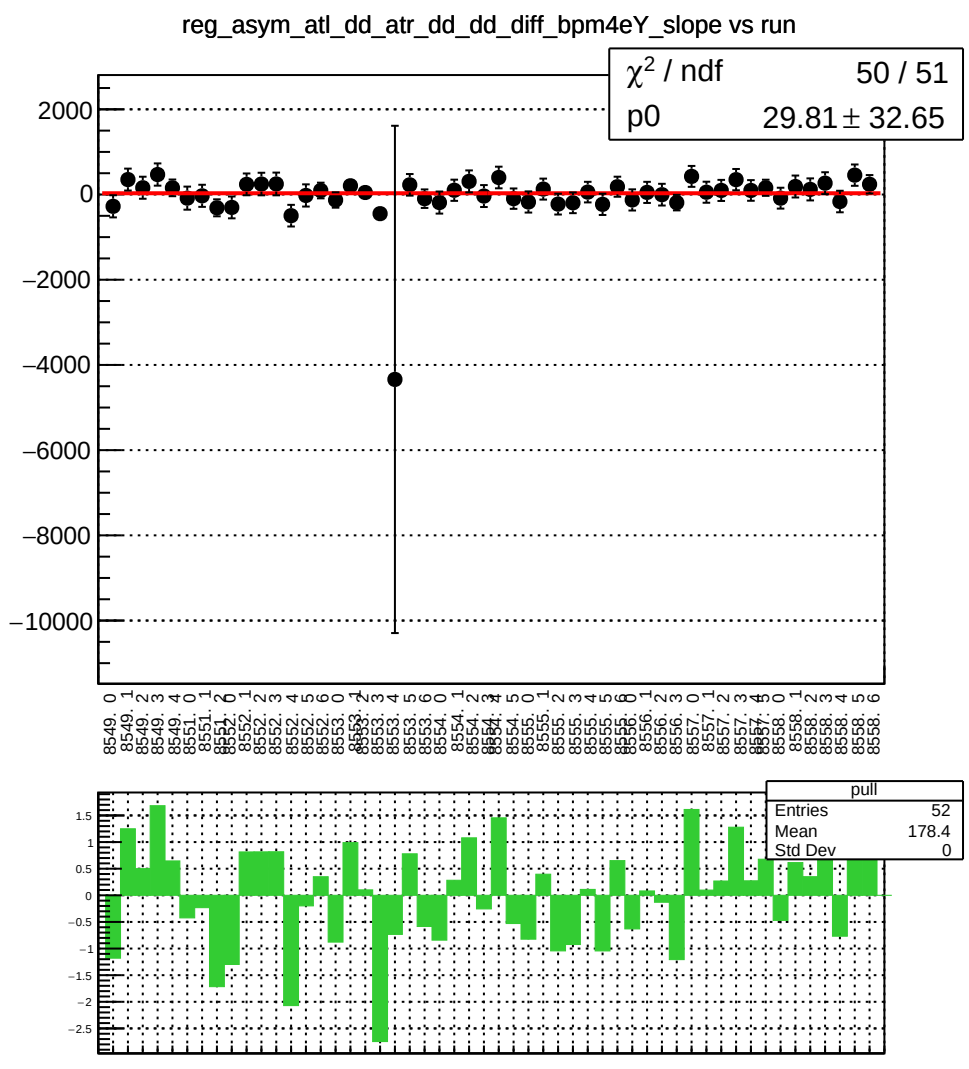

reg_asym_atl_dd_atr_dd_avg_diff_bpm12X_slope vs run
χ² / ndf 52.8 / 51
p0 −29.48 ± 2.134
pull
Entries 52
Mean 55.72
Std Dev 0
pull1D
Entries 52
Mean −0.0176
Std Dev 1.008

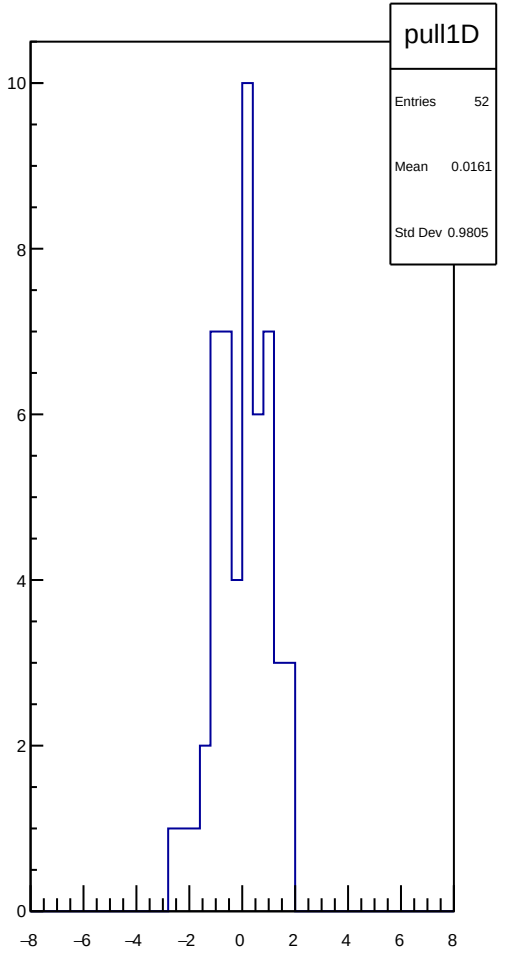

reg_asym_atl_dd_atr_dd_dd_diff_bpm1X_slope vs run
χ² / ndf 54.77 / 51
p0 36.03 ± 18.19
pull
Entries 52
Mean 462.3
Std Dev 0
pull1D
Entries 52
Mean 0.002771
Std Dev 1.026

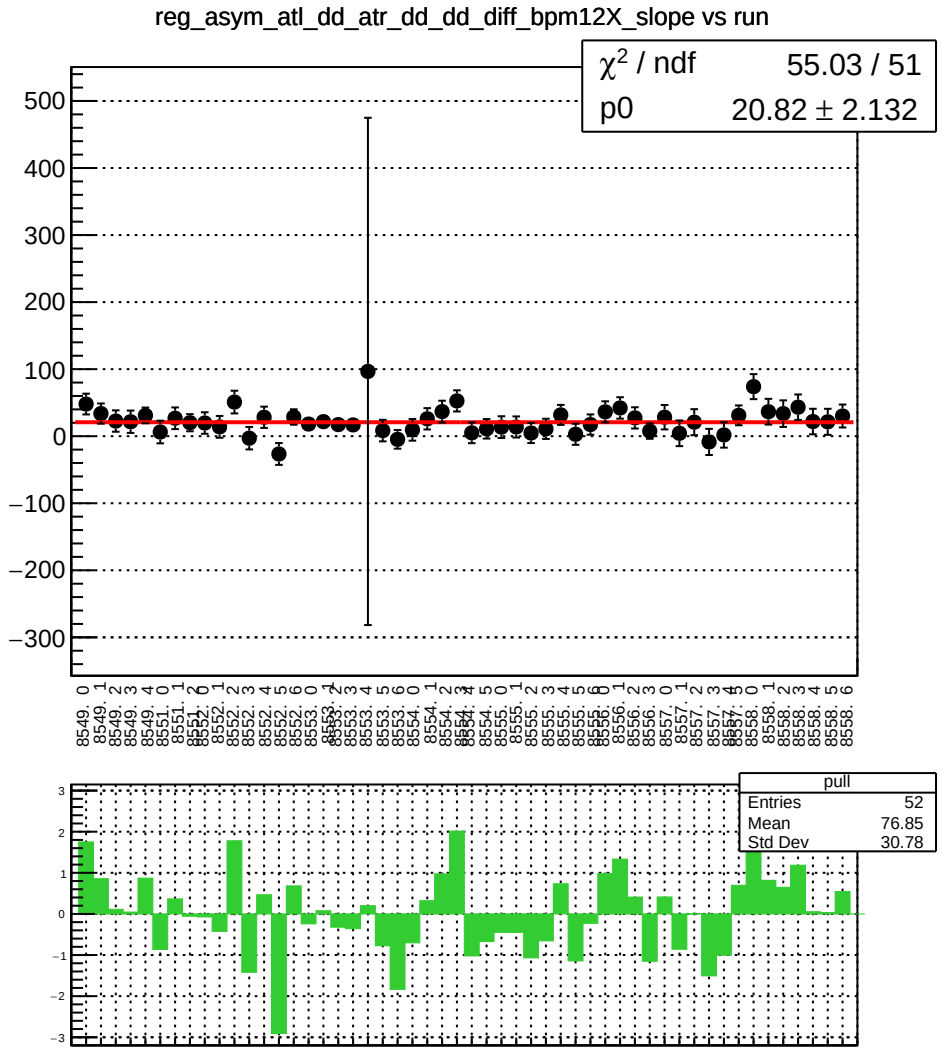

reg_asym_atl_dd_atr_dd_dd_diff_bpm4aY_slope vs run
χ² / ndf 48.9 / 51
p0 −35.31 ± 30.77
pull
Entries 52
Mean 185.7
Std Dev 0
pull1D
Entries 52
Mean −0.01743
Std Dev 0.9696

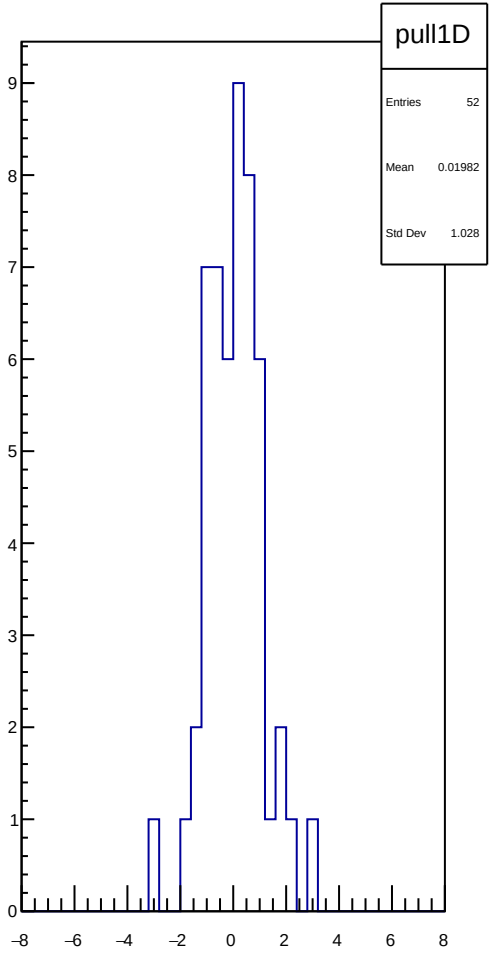

reg_asym_atl_dd_atr_dd_dd_diff_bpm4eX_slope vs run
χ² / ndf 54.14 / 51
p0 13.34 ± 19.81
pull
Entries 52
Mean 390.2
Std Dev 0

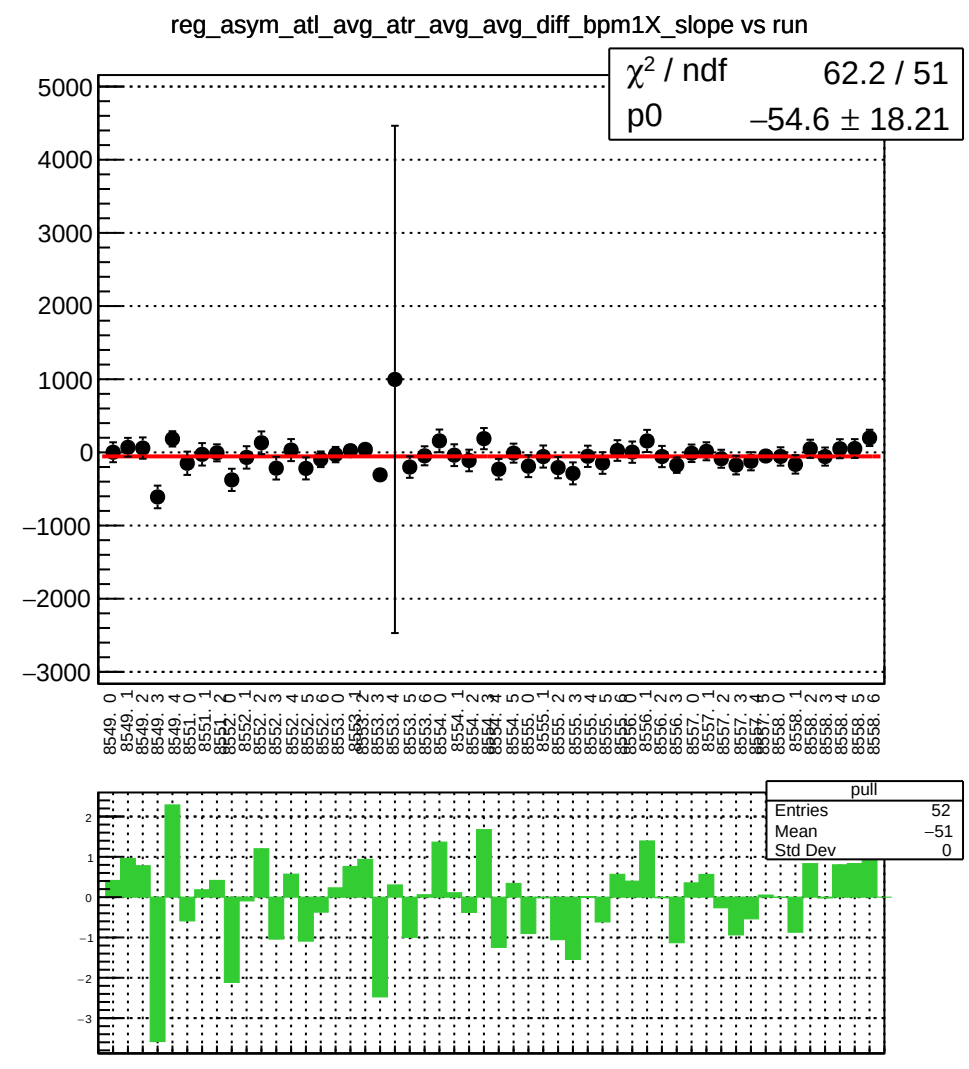

pull1D
Entries 52
Mean −0.002368
Std Dev 1.02

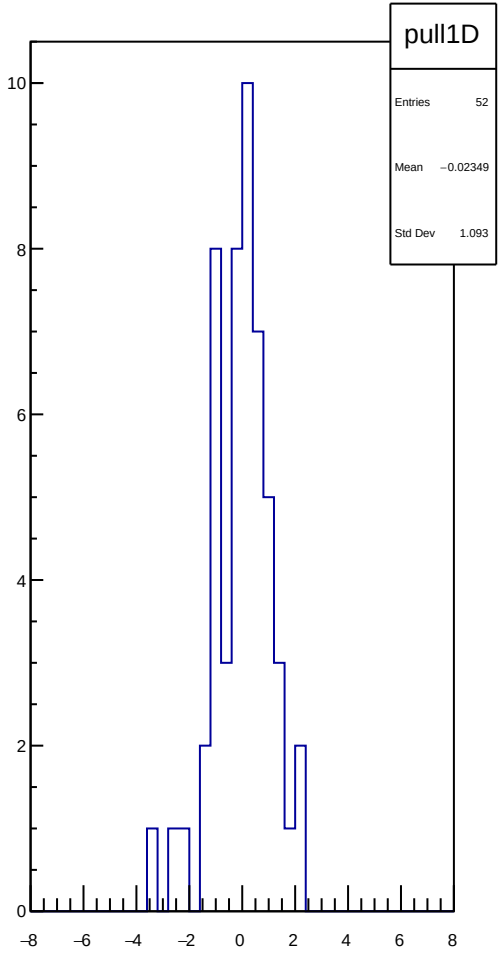

reg_asym_atl_dd_atr_dd_dd_diff_bpm4eY_slope vs run
χ² / ndf 50 / 51
p0 29.81 ± 32.65
2000
0
−2000
−4000
−6000
−8000
−10000
pull
Entries 52
Mean 178.4
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

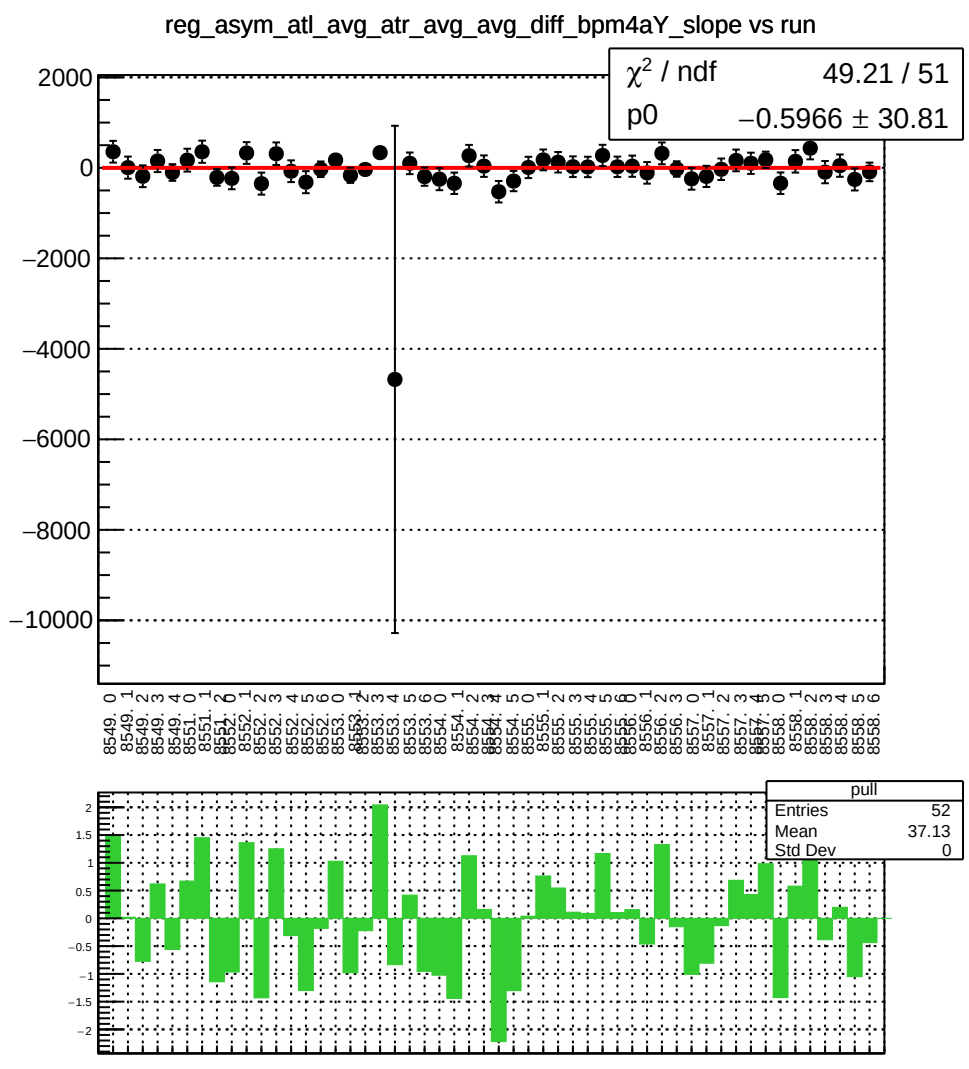

pull1D
Entries 52
Mean 0.0161
Std Dev 0.9805
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

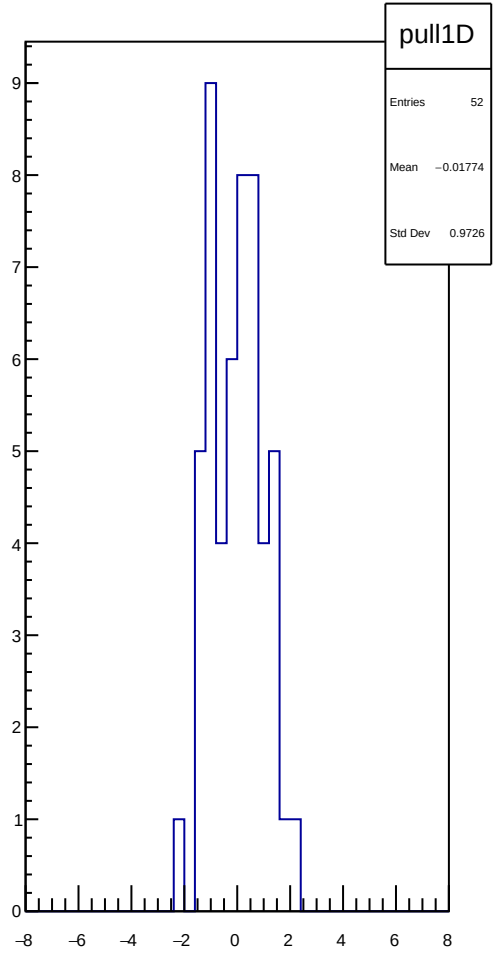

reg_asym_atl_dd_atr_dd_dd_diff_bpm12X_slope vs run
χ² / ndf 55.03 / 51
p0 20.82 ± 2.132
pull
Entries 52
Mean 76.85
Std Dev 30.78

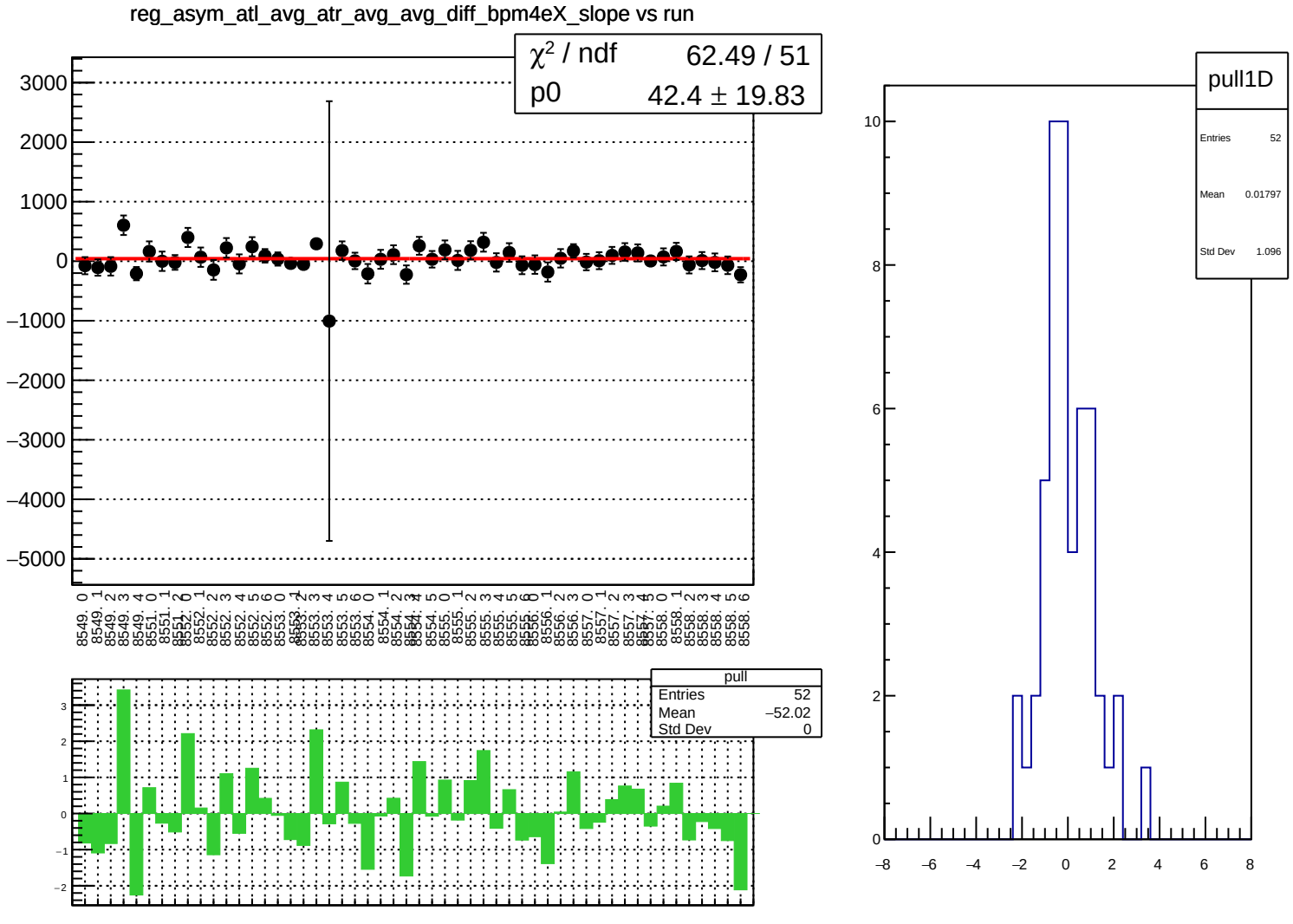

pull1D
Entries 52
Mean 0.01982
Std Dev 1.028

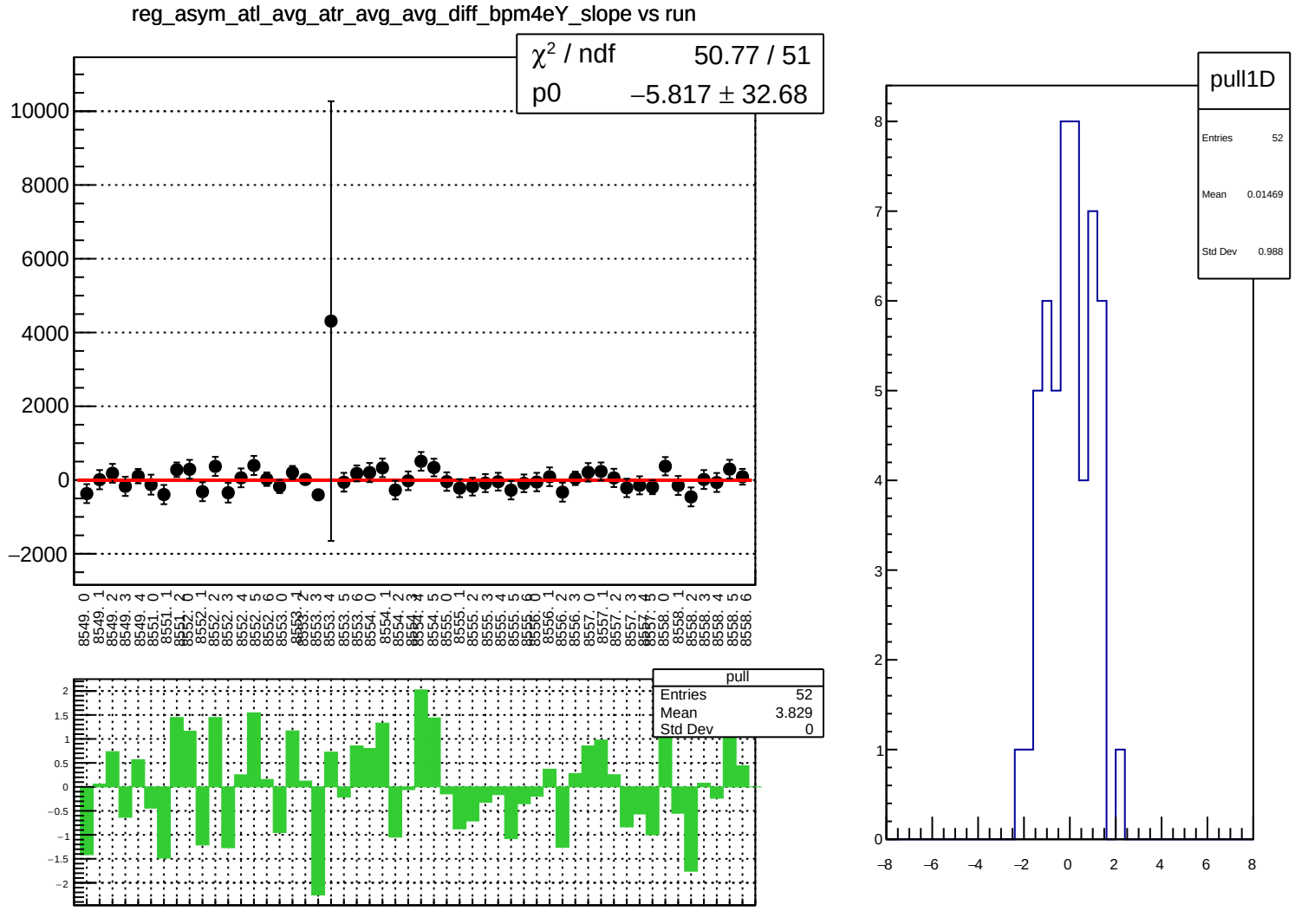

reg_asym_atl_avg_atr_avg_avg_diff_bpm1X_slope vs run
χ² / ndf 62.2 / 51
p0 −54.6 ± 18.21
pull
Entries 52
Mean −51
Std Dev 0

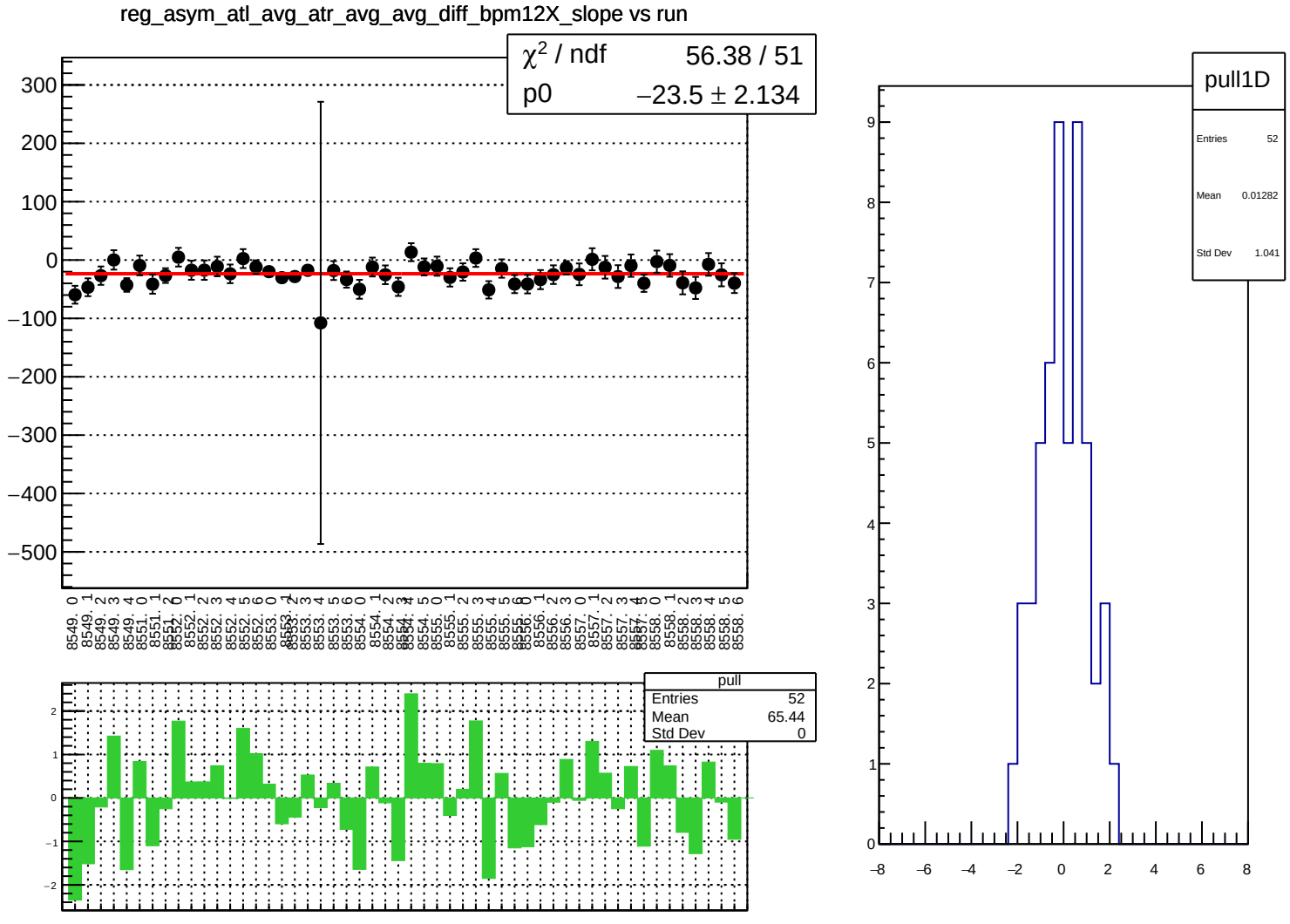

pull1D
Entries 52
Mean −0.02349
Std Dev 1.093

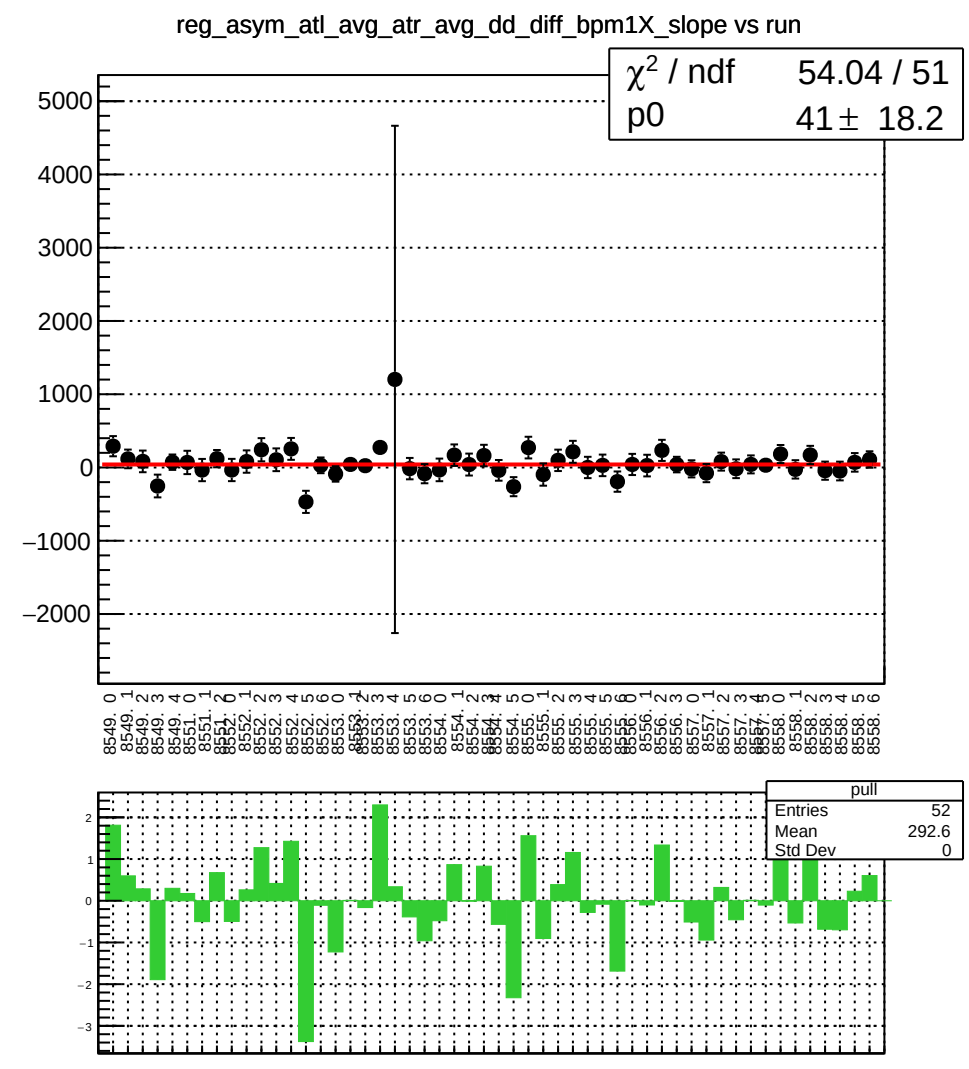

reg_asym_atl_avg_atr_avg_avg_diff_bpm4aY_slope vs run
χ² / ndf 49.21 / 51
p0 −0.5966 ± 30.81
pull
Entries 52
Mean 37.13
Std Dev 0

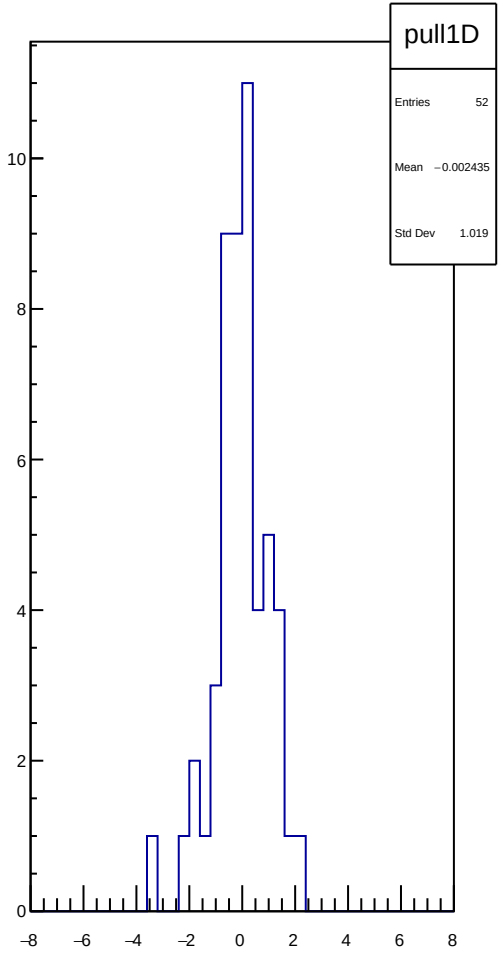

pull1D
Entries 52
Mean −0.01774
Std Dev 0.9726

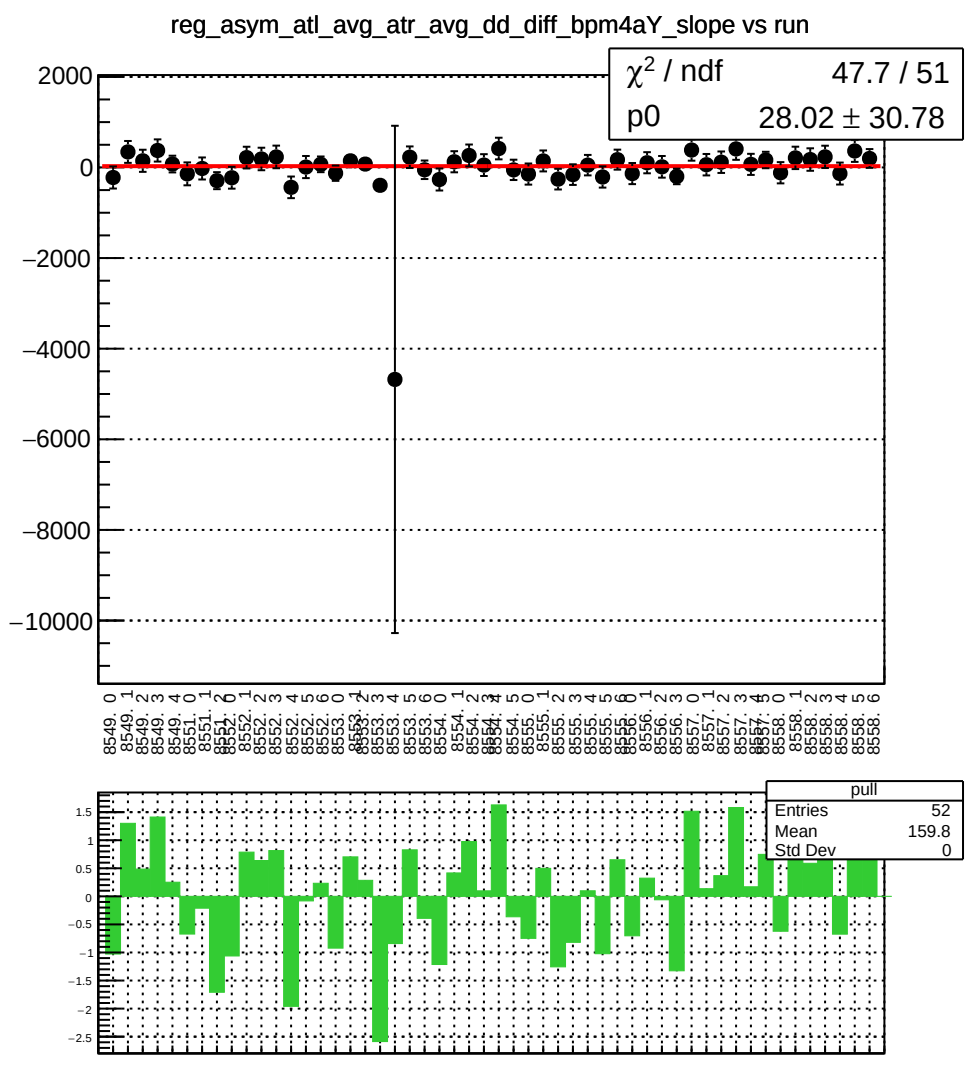

reg_asym_atl_avg_atr_avg_avg_diff_bpm4eX_slope vs run
χ² / ndf 62.49 / 51
p0 42.4 ± 19.83
pull
Entries 52
Mean −52.02
Std Dev 0
pull1D
Entries 52
Mean 0.01797
Std Dev 1.096

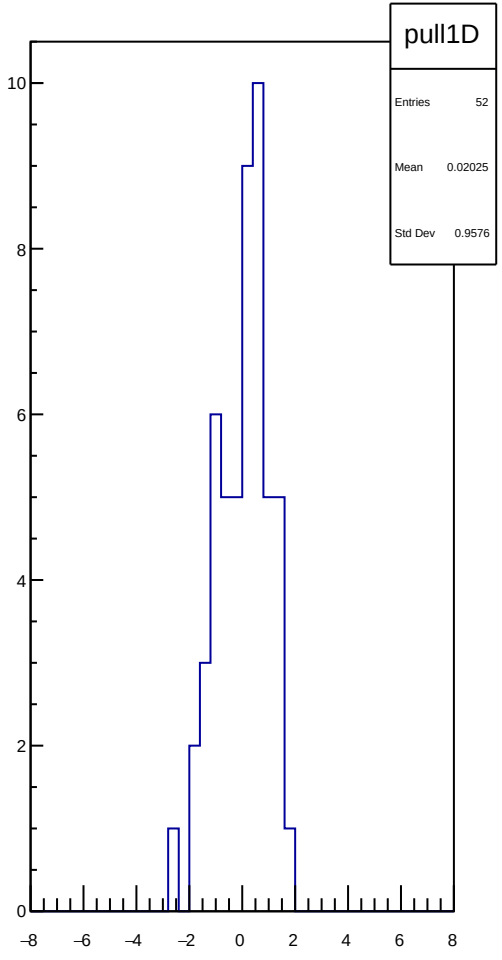

reg_asym_atl_avg_atr_avg_avg_diff_bpm4eY_slope vs run
χ² / ndf 50.77 / 51
p0 −5.817 ± 32.68
10000
8000
6000
4000
2000
0
−2000
pull
Entries 52
Mean 3.829
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 52
Mean 0.01469
Std Dev 0.988
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

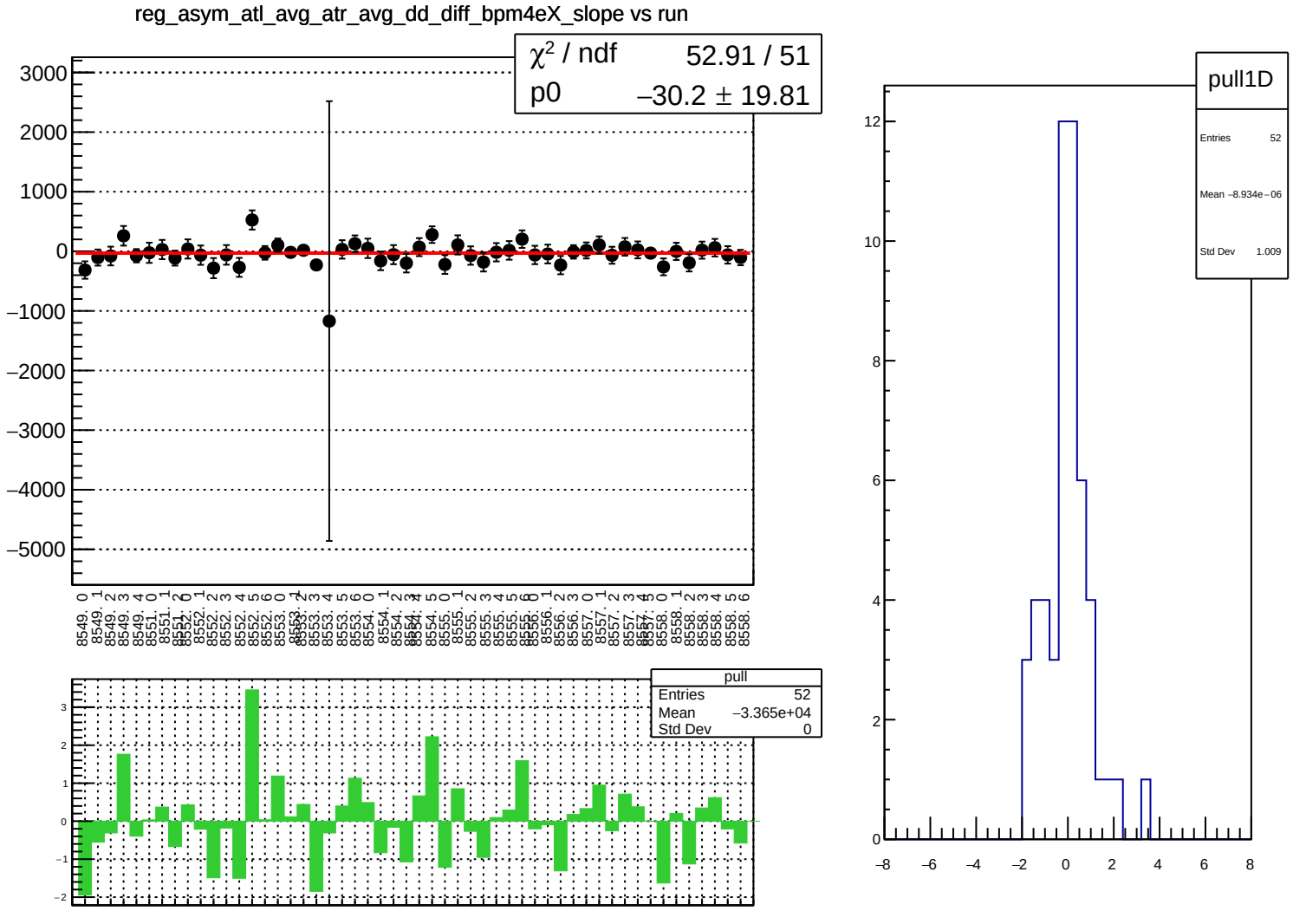

reg_asym_atl_avg_atr_avg_avg_diff_bpm12X_slope vs run
χ² / ndf 56.38 / 51
p0 −23.5 ± 2.134
pull
Entries 52
Mean 65.44
Std Dev 0
pull1D
Entries 52
Mean 0.01282
Std Dev 1.041

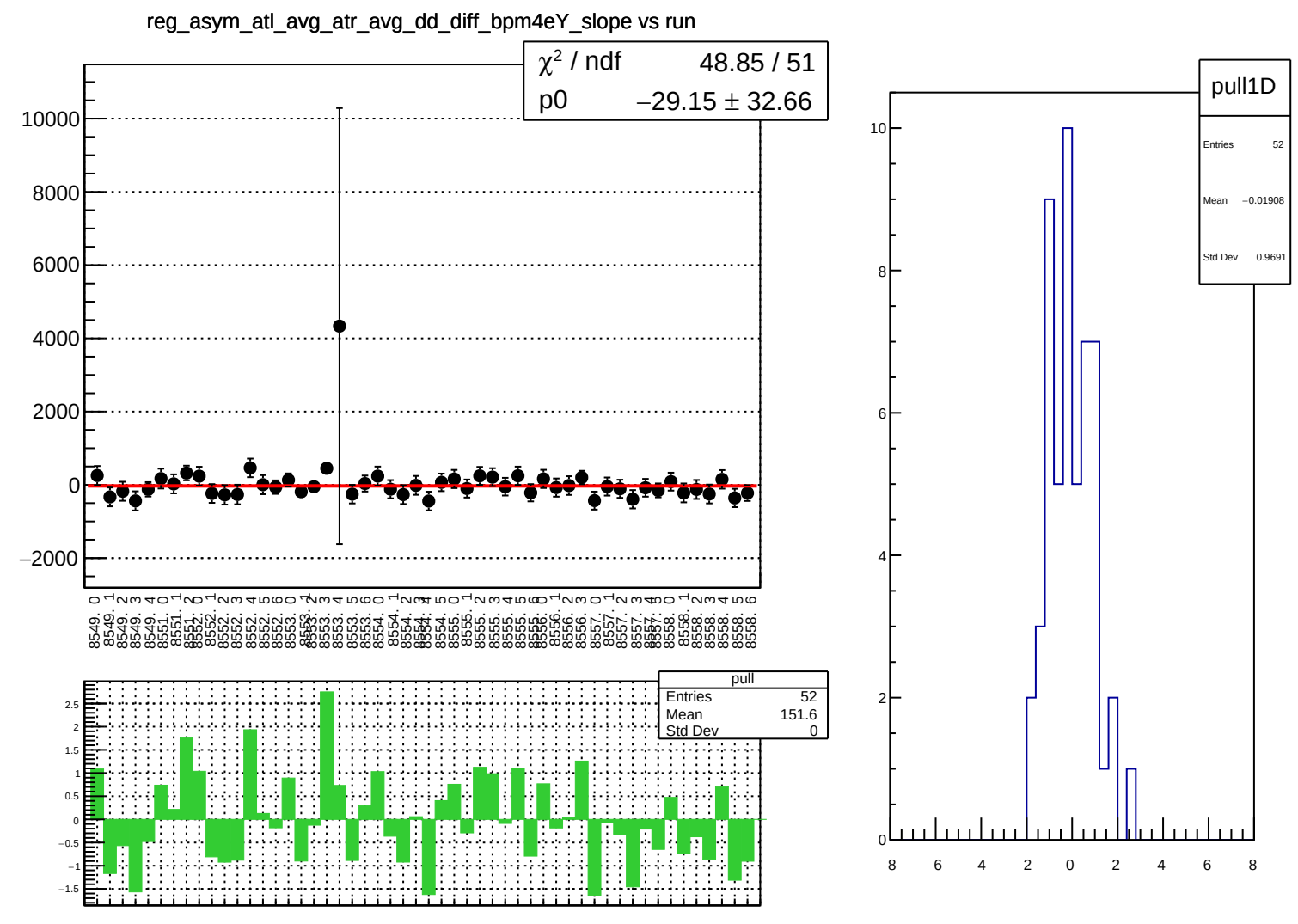

reg_asym_atl_avg_atr_avg_dd_diff_bpm1X_slope vs run
χ² / ndf 54.04 / 51
p0 41 ± 18.2
pull
Entries 52
Mean 292.6
Std Dev 0

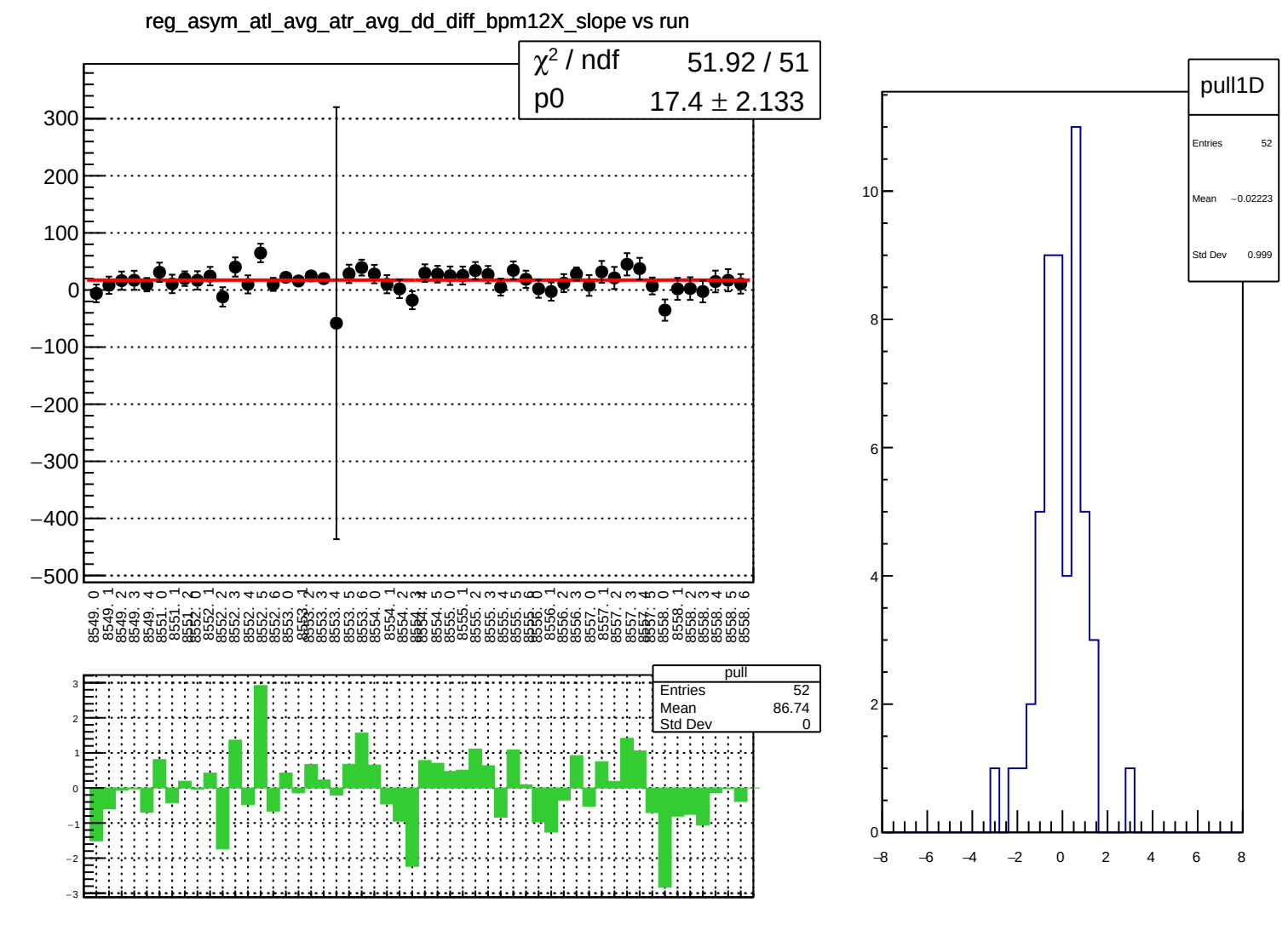

pull1D
Entries 52
Mean −0.002435
Std Dev 1.019

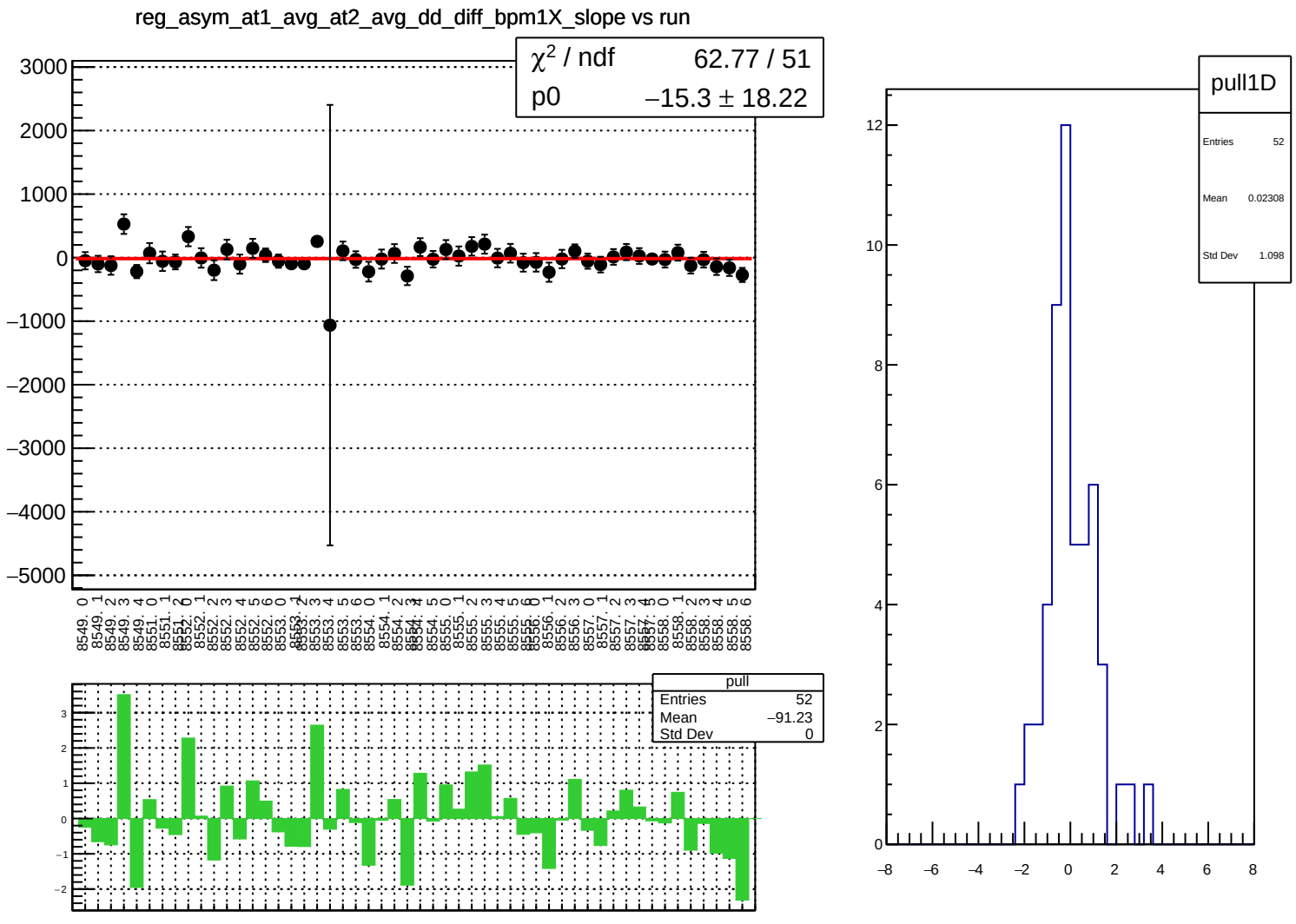

reg_asym_atl_avg_atr_avg_dd_diff_bpm4aY_slope vs run
χ² / ndf 47.7 / 51
p0 28.02 ± 30.78
pull
Entries 52
Mean 159.8
Std Dev 0

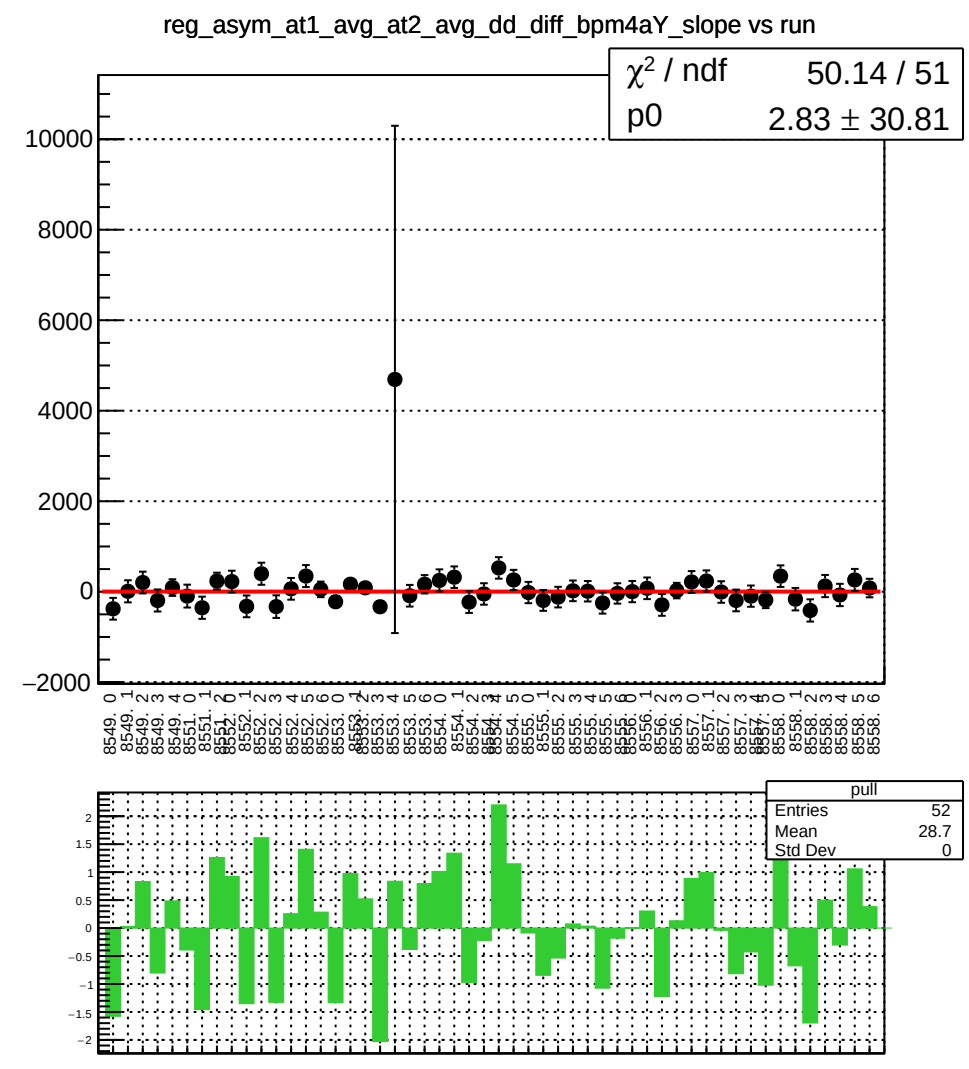

pull1D
Entries 52
Mean 0.02025
Std Dev 0.9576

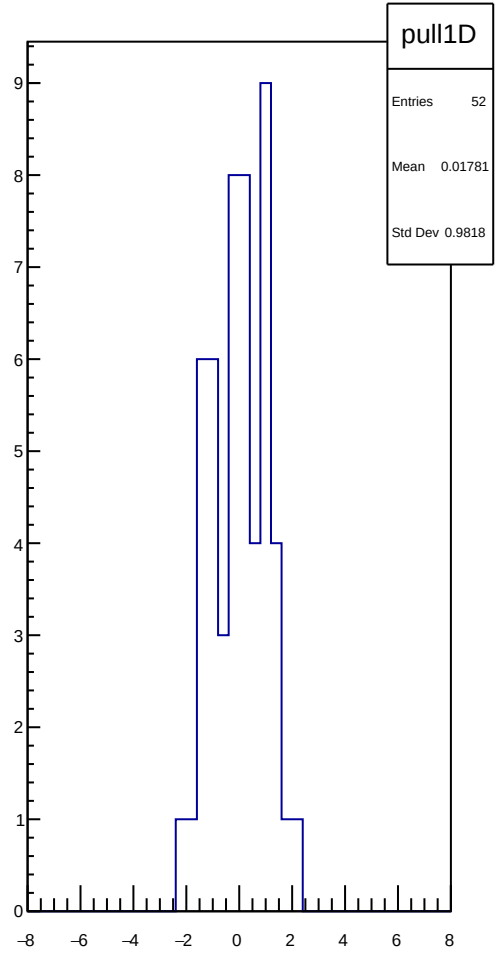

reg_asym_atl_avg_atr_avg_dd_diff_bpm4eX_slope vs run
χ² / ndf 52.91 / 51
p0 −30.2 ± 19.81
pull
Entries 52
Mean −3.365e+04
Std Dev 0
pull1D
Entries 52
Mean −8.934e−06
Std Dev 1.009

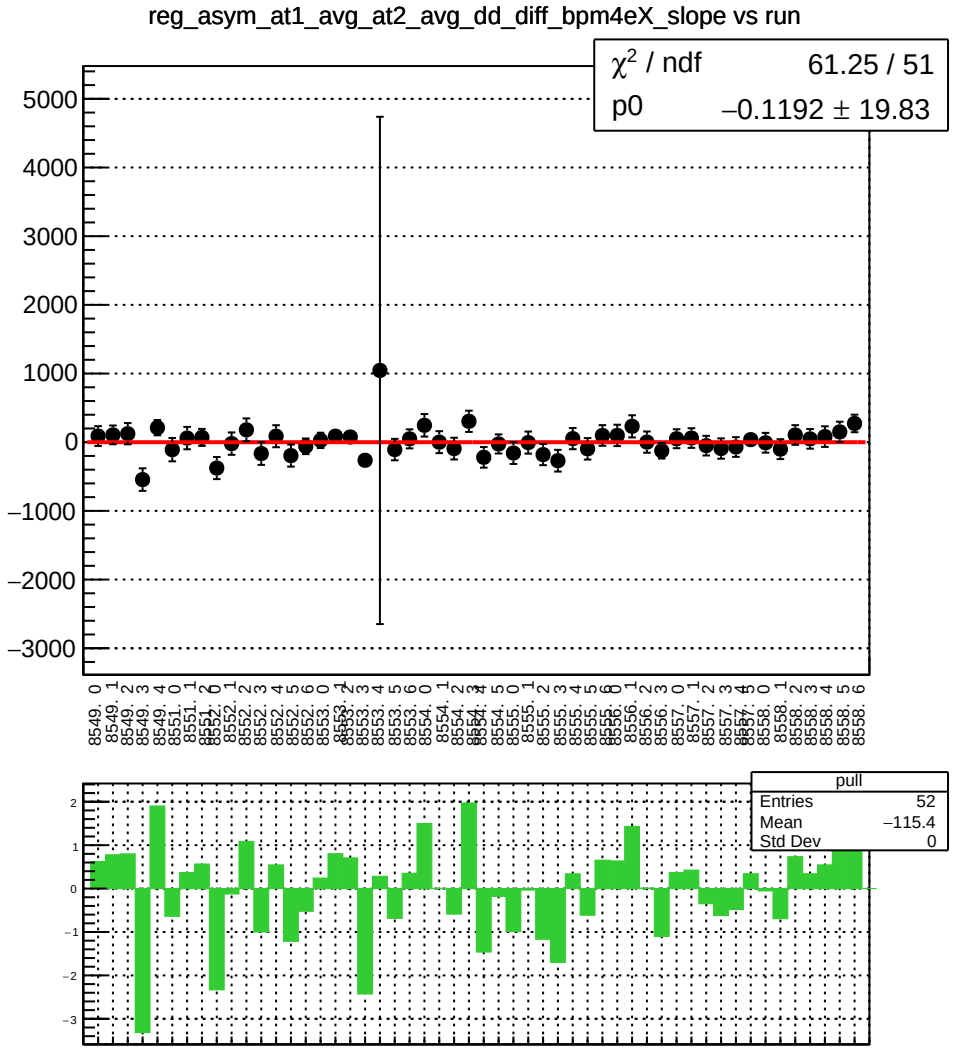

reg_asym_atl_avg_atr_avg_dd_diff_bpm4eY_slope vs run
χ² / ndf 48.85 / 51
p0 −29.15 ± 32.66
pull
Entries 52
Mean 151.6
Std Dev 0
pull1D
Entries 52
Mean −0.01908
Std Dev 0.9691

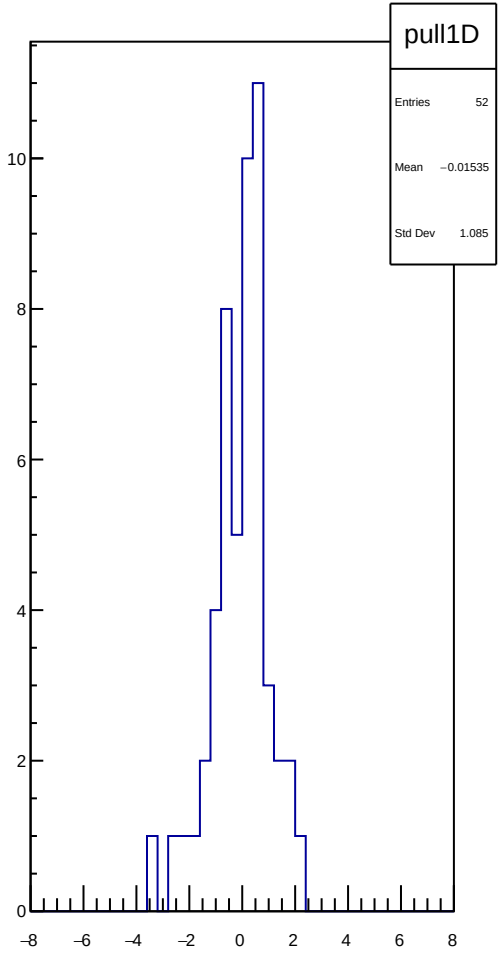

reg_asym_atl_avg_atr_avg_dd_diff_bpm12X_slope vs run
χ² / ndf 51.92 / 51
p0 17.4 ± 2.133
pull
Entries 52
Mean 86.74
Std Dev 0
pull1D
Entries 52
Mean −0.02223
Std Dev 0.999

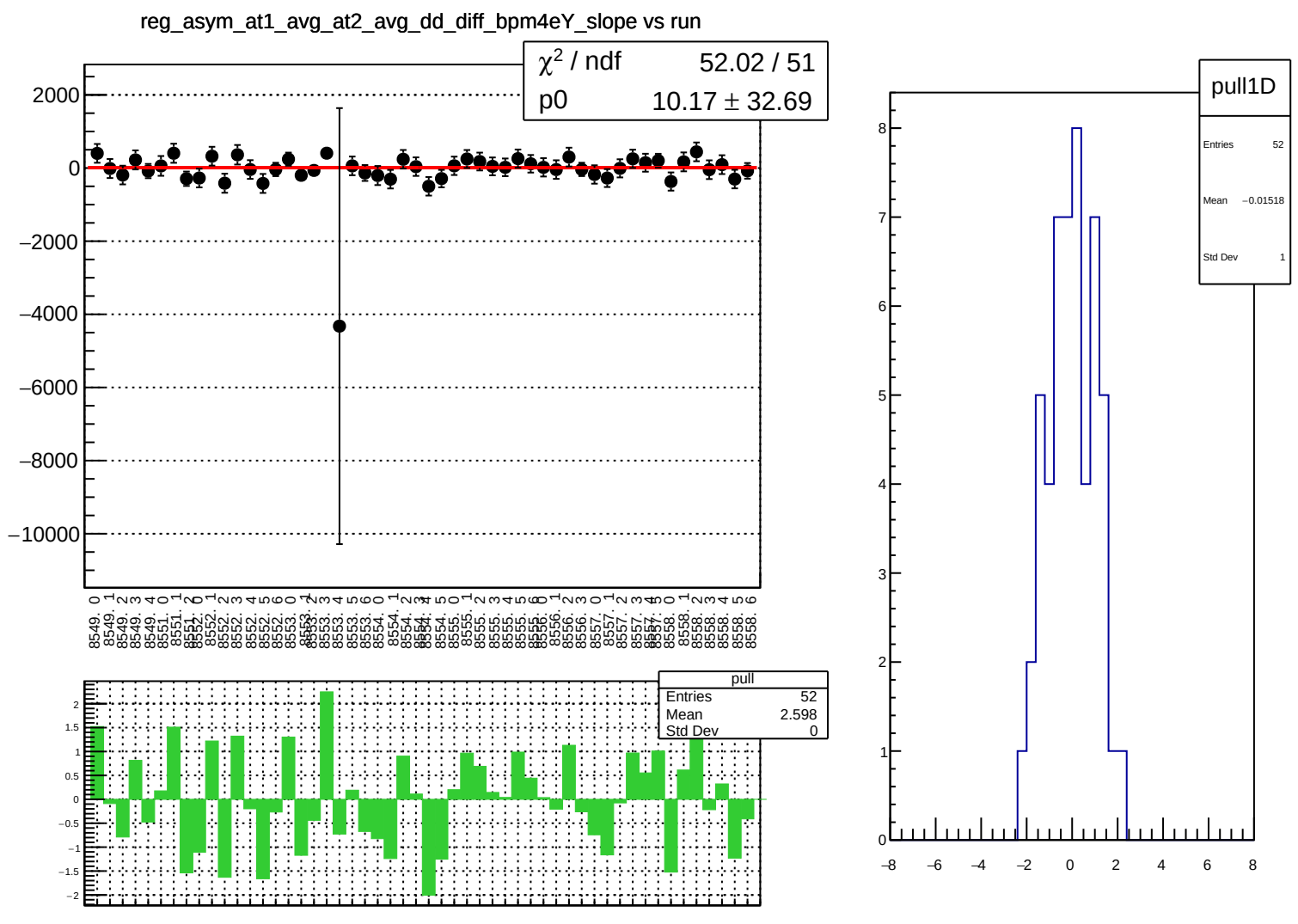

reg_asym_at1_avg_at2_avg_dd_diff_bpm1X_slope vs run
χ² / ndf 62.77 / 51
p0 −15.3 ± 18.22
pull
Entries 52
Mean −91.23
Std Dev 0
pull1D
Entries 52
Mean 0.02308
Std Dev 1.098

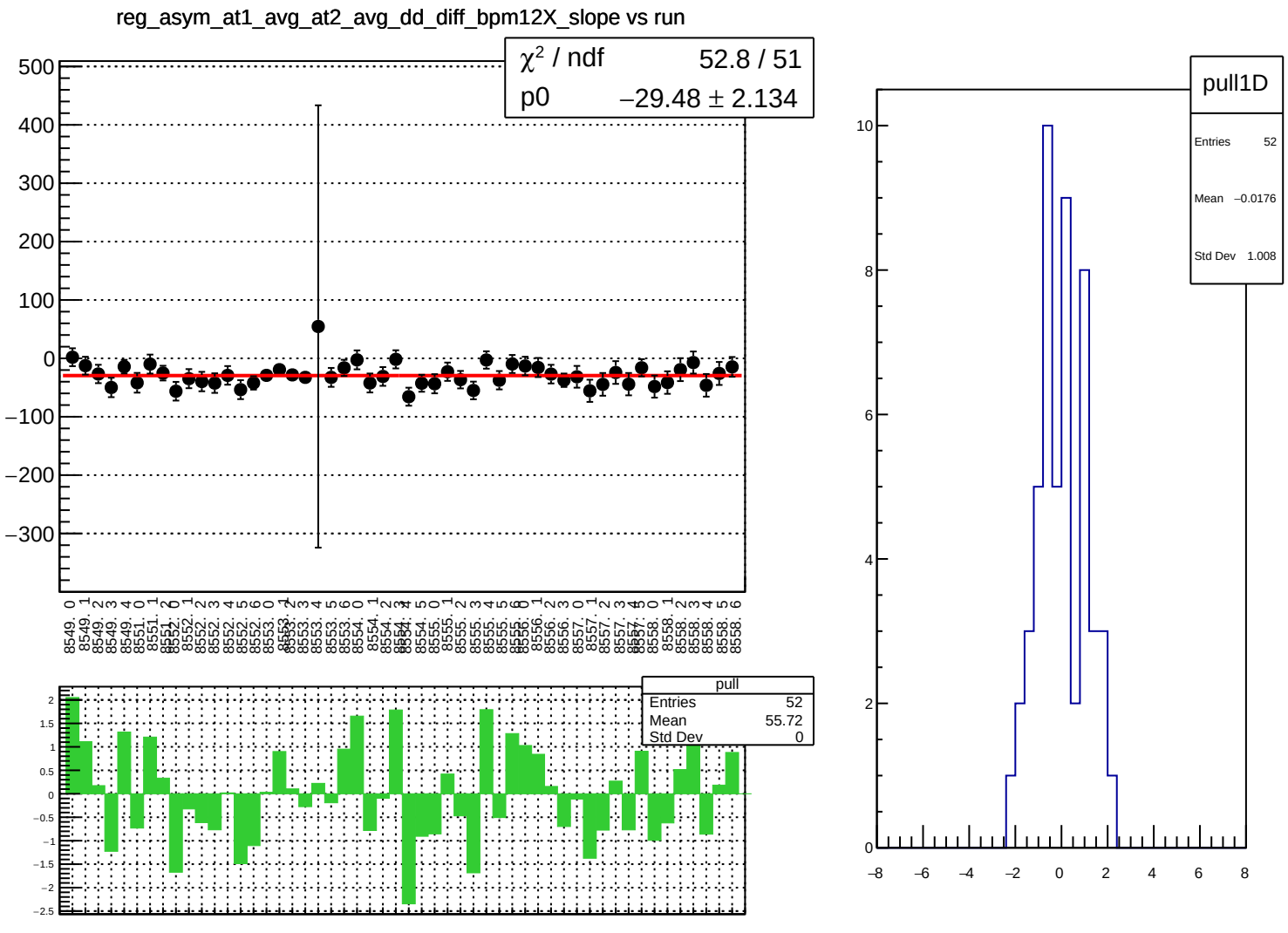

reg_asym_at1_avg_at2_avg_dd_diff_bpm4aY_slope vs run
χ² / ndf 50.14 / 51
p0 2.83 ± 30.81
pull
Entries 52
Mean 28.7
Std Dev 0

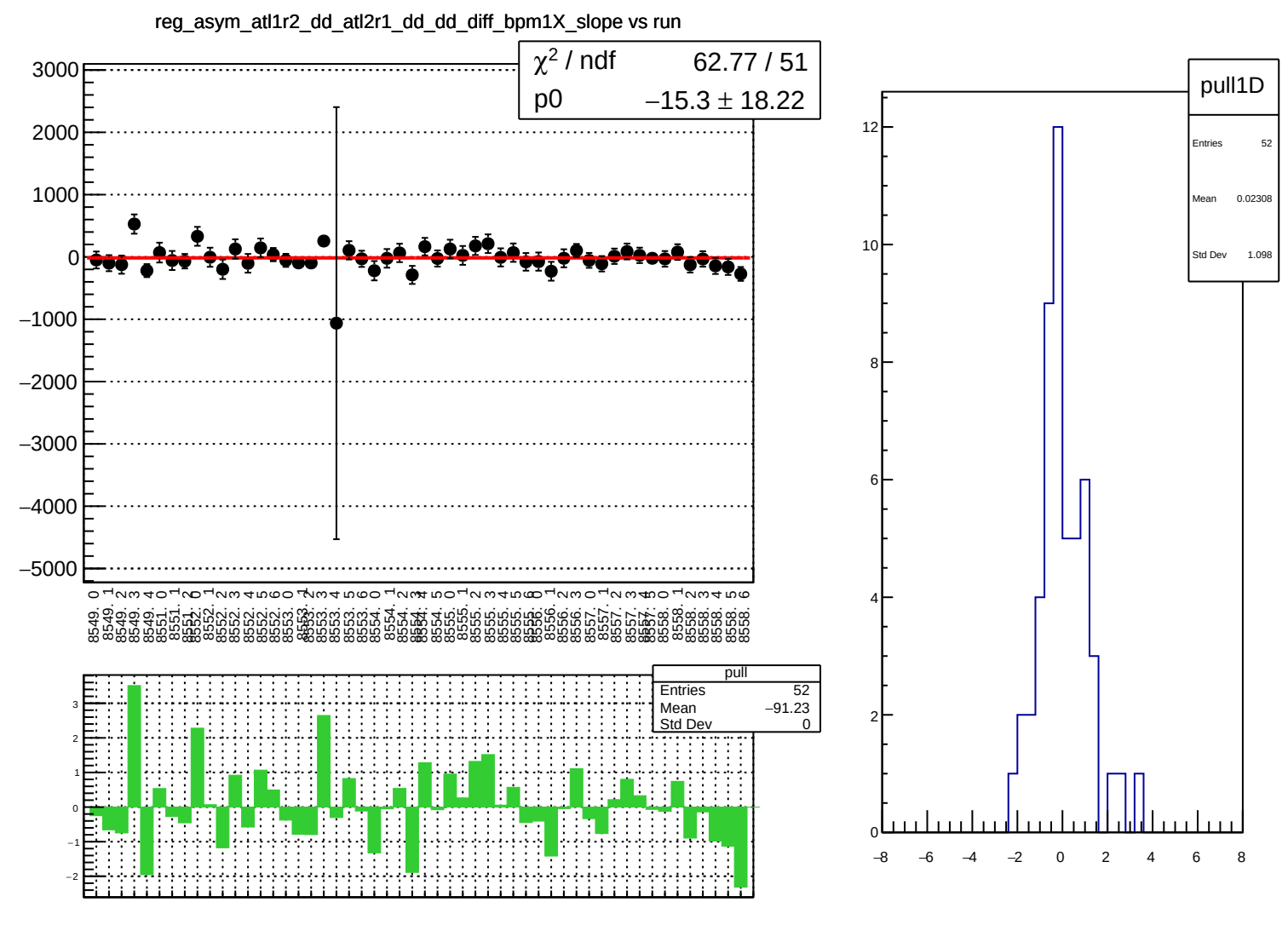

pull1D
Entries 52
Mean 0.01781
Std Dev 0.9818

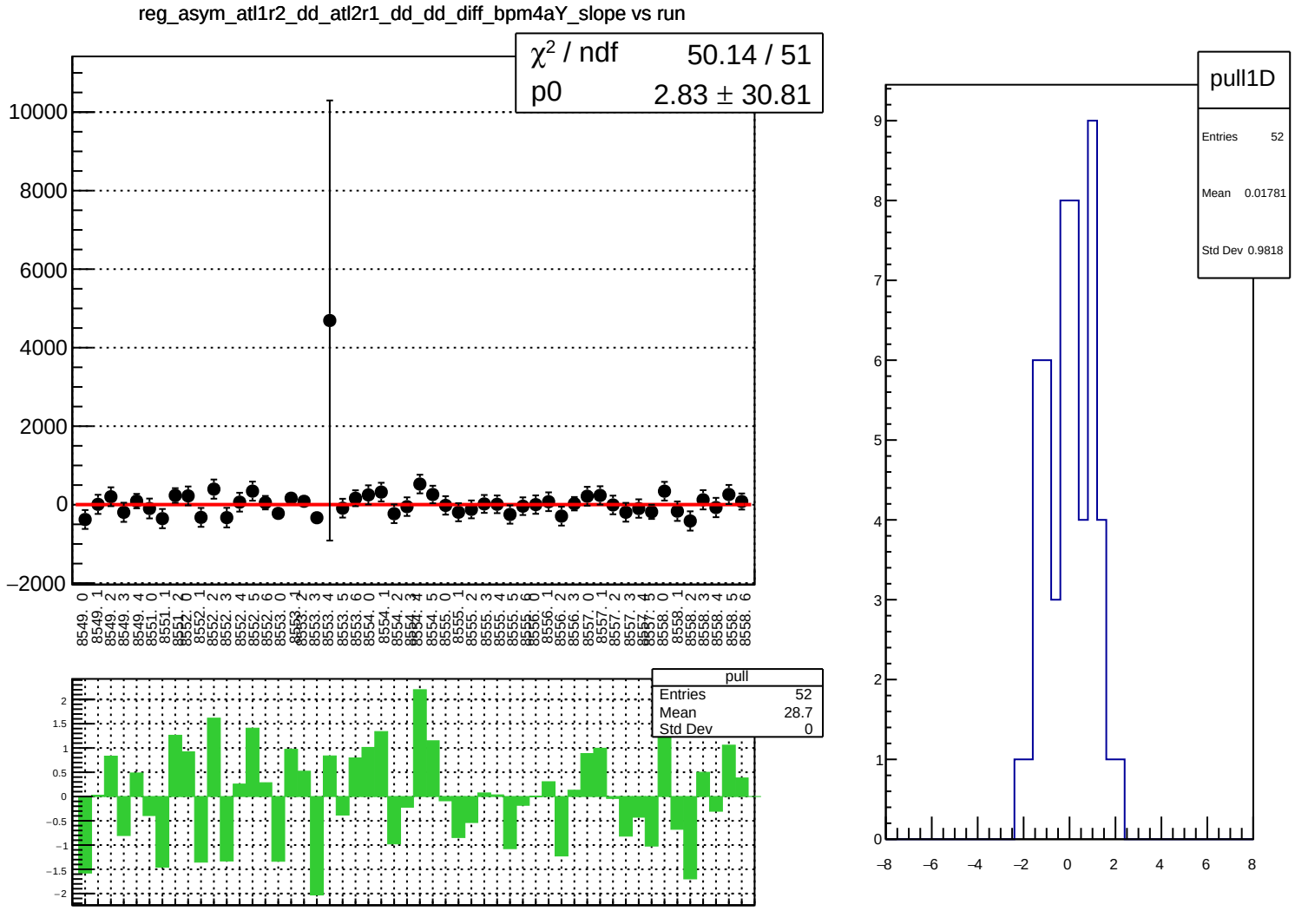

reg_asym_at1_avg_at2_avg_dd_diff_bpm4eX_slope vs run
χ² / ndf 61.25 / 51
p0 −0.1192 ± 19.83
pull
Entries 52
Mean −115.4
Std Dev 0

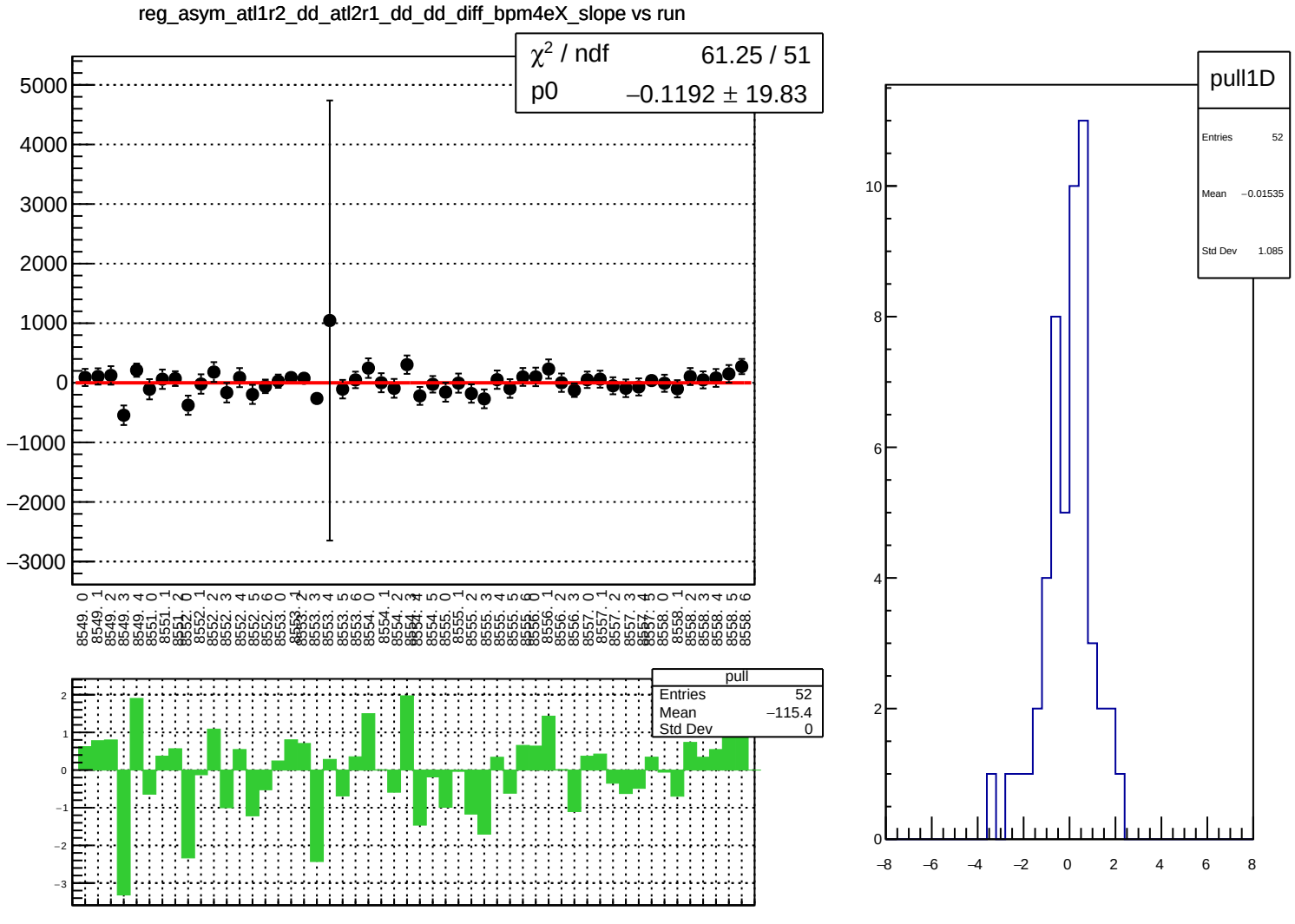

pull1D
Entries 52
Mean −0.01535
Std Dev 1.085

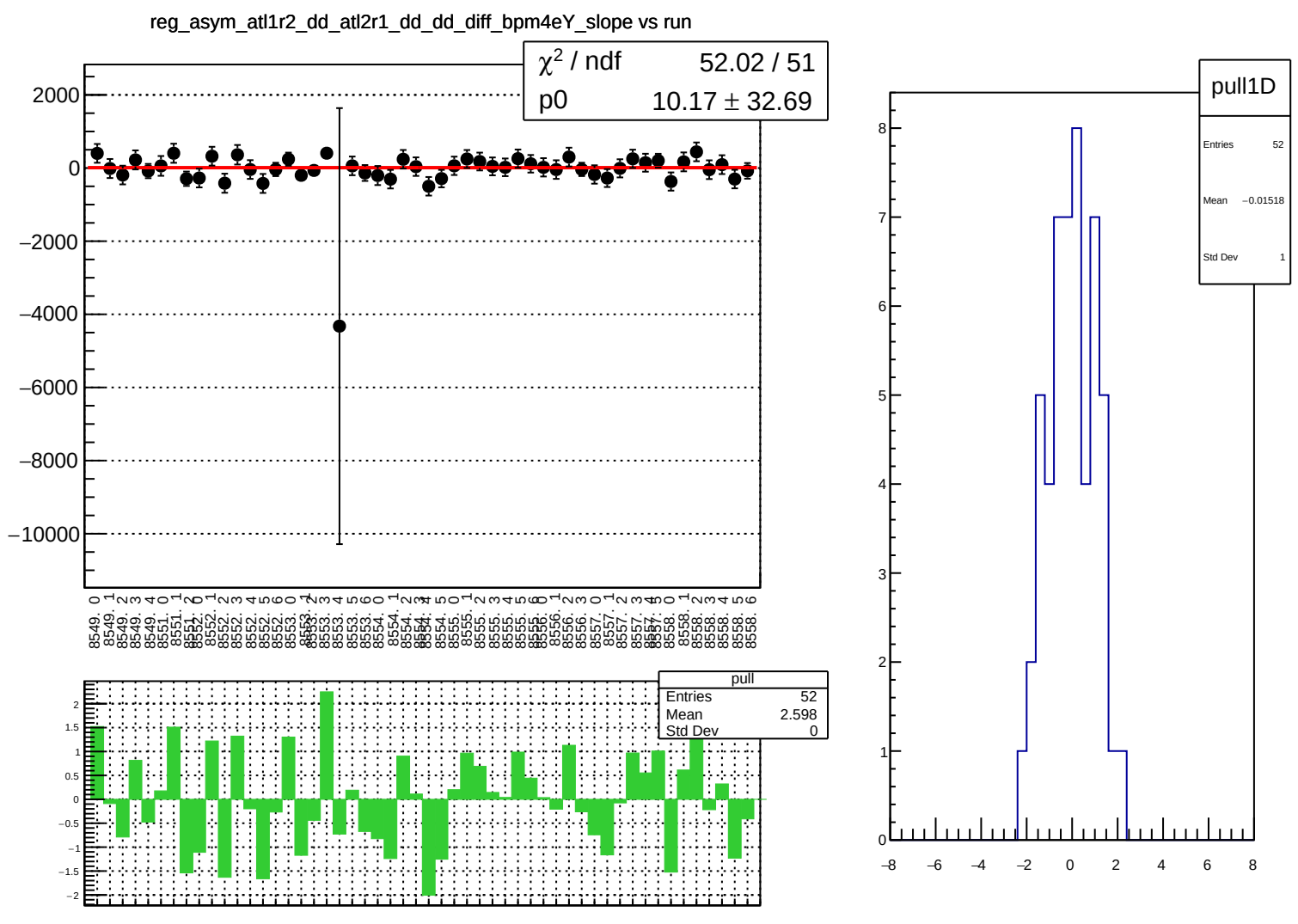

reg_asym_at1_avg_at2_avg_dd_diff_bpm4eY_slope vs run
χ² / ndf 52.02 / 51
p0 10.17 ± 32.69
2000
0
−2000
−4000
−6000
−8000
−10000
pull
Entries 52
Mean 2.598
Std Dev 0
pull1D
Entries 52
Mean −0.01518
Std Dev 1

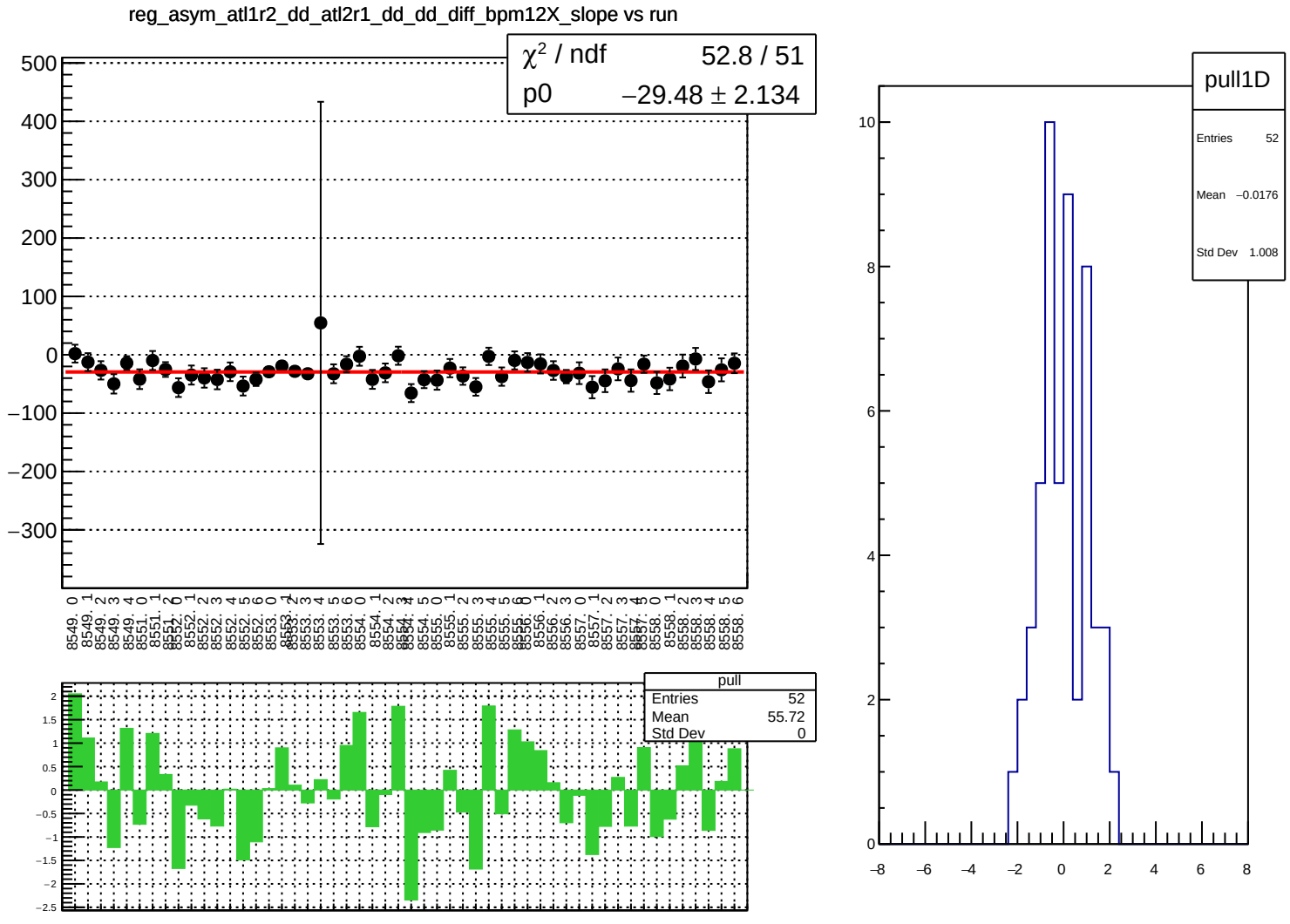

reg_asym_at1_avg_at2_avg_dd_diff_bpm12X_slope vs run
χ² / ndf 52.8 / 51
p0 −29.48 ± 2.134
pull
Entries 52
Mean 55.72
Std Dev 0
pull1D
Entries 52
Mean −0.0176
Std Dev 1.008

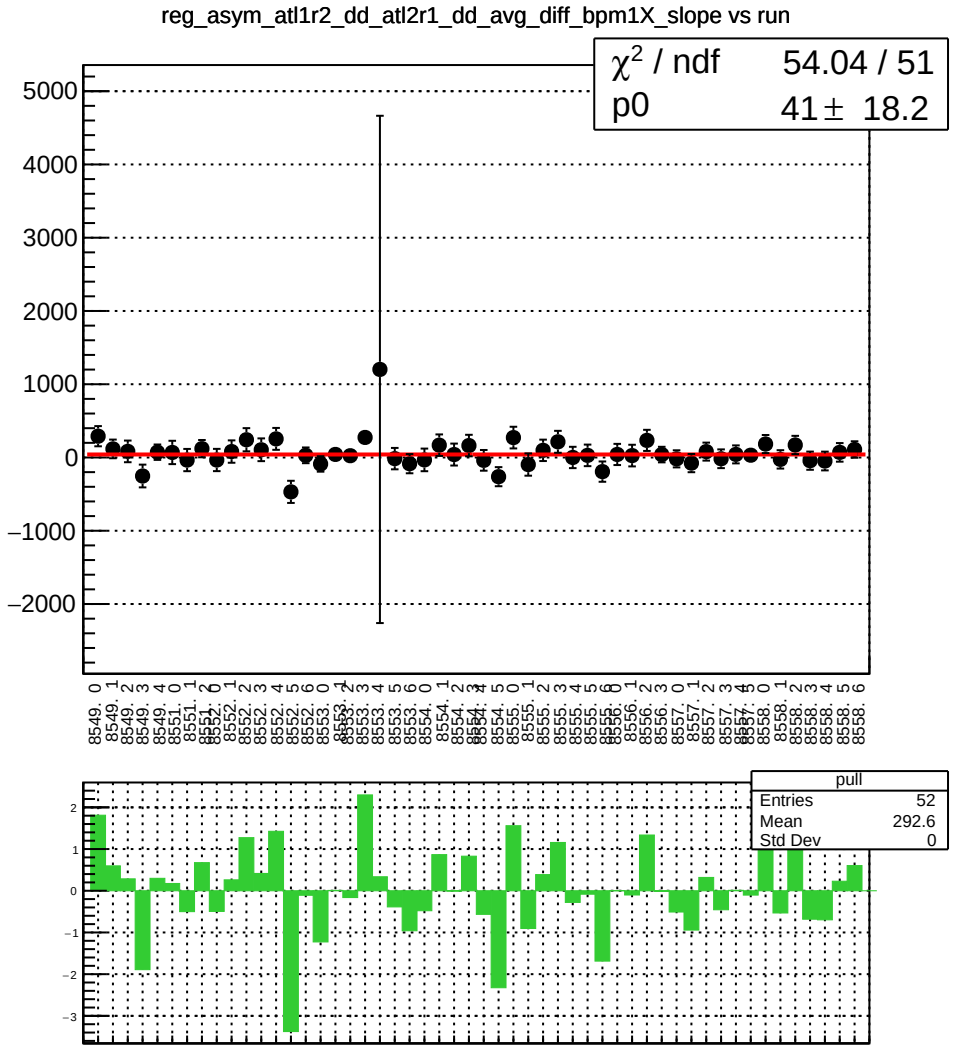

reg_asym_atl1r2_dd_atl2r1_dd_dd_diff_bpm1X_slope vs run
χ² / ndf 62.77 / 51
p0 −15.3 ± 18.22
pull
Entries 52
Mean −91.23
Std Dev 0
pull1D
Entries 52
Mean 0.02308
Std Dev 1.098

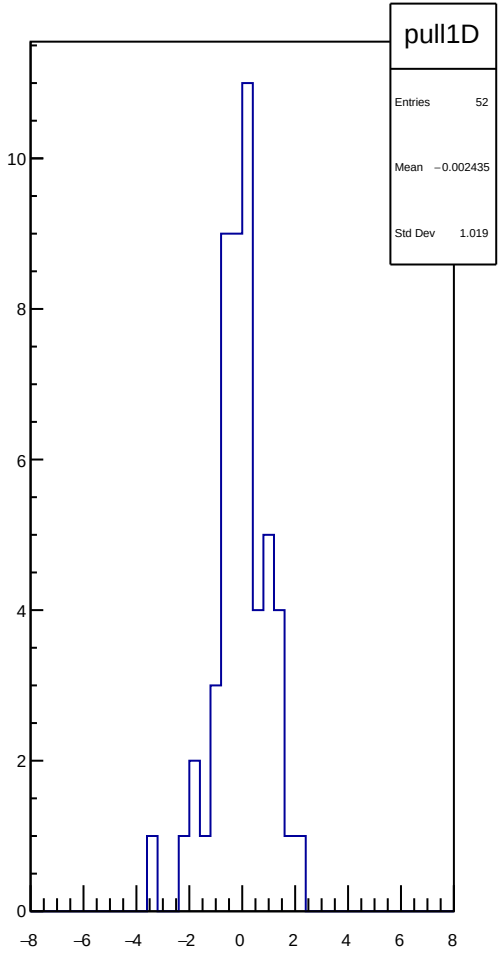

reg_asym_atl1r2_dd_atl2r1_dd_dd_diff_bpm4aY_slope vs run
χ² / ndf 50.14 / 51
p0 2.83 ± 30.81
pull
Entries 52
Mean 28.7
Std Dev 0
pull1D
Entries 52
Mean 0.01781
Std Dev 0.9818

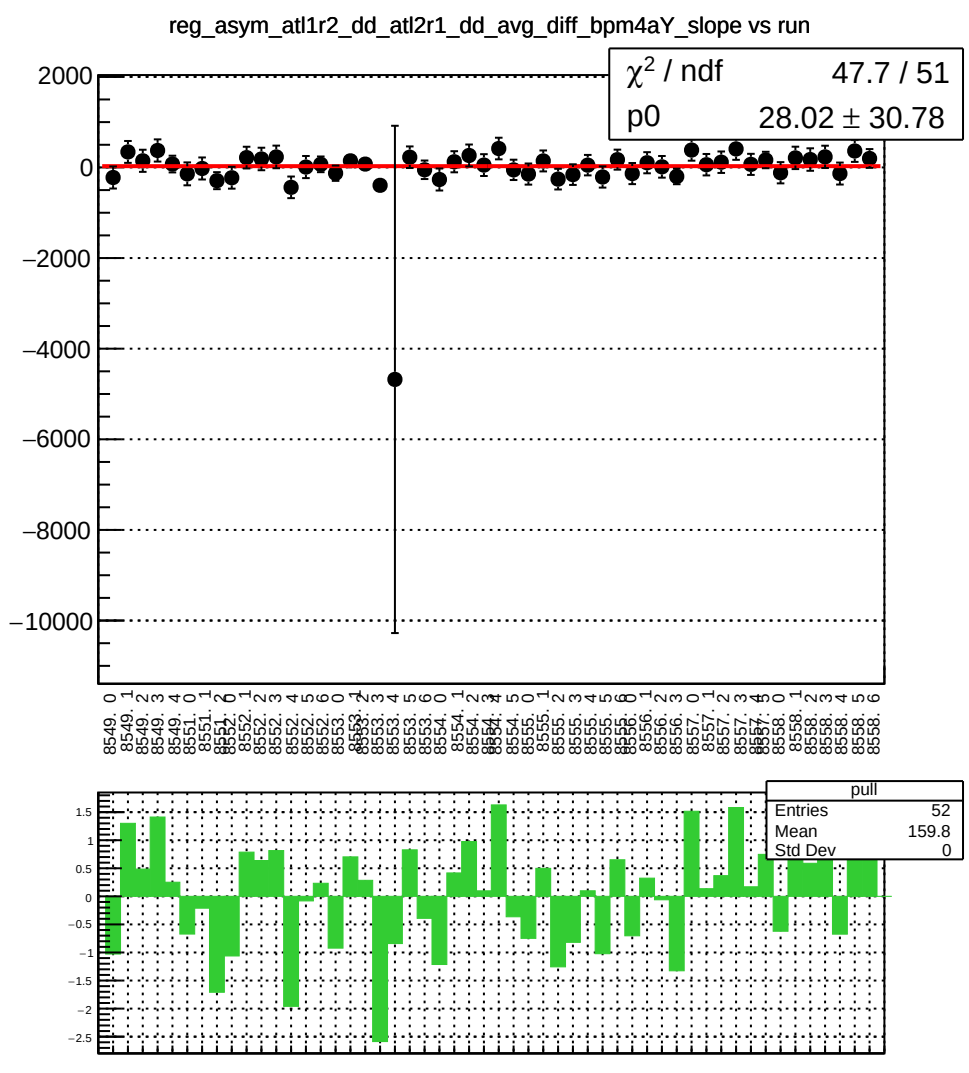

reg_asym_atl1r2_dd_atl2r1_dd_dd_diff_bpm4eX_slope vs run
χ² / ndf 61.25 / 51
p0 −0.1192 ± 19.83
pull
Entries 52
Mean −115.4
Std Dev 0
pull1D
Entries 52
Mean −0.01535
Std Dev 1.085

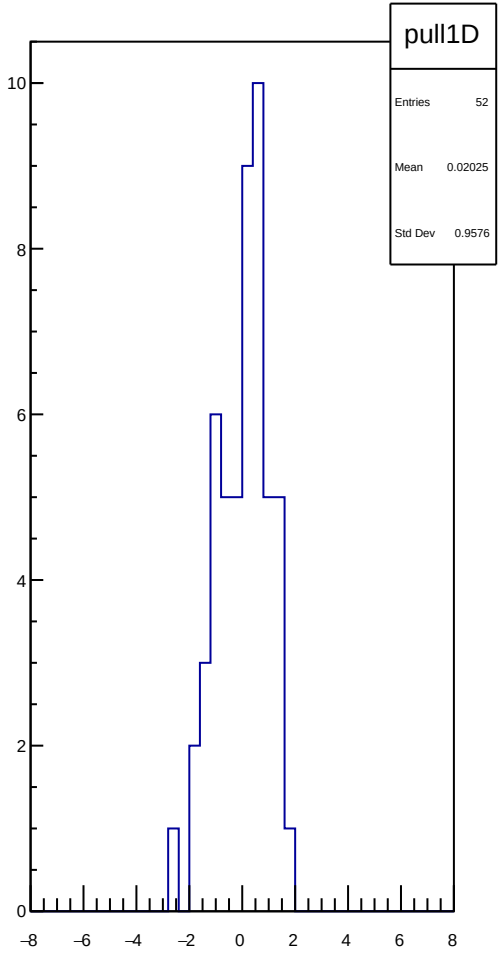

reg_asym_atl1r2_dd_atl2r1_dd_dd_diff_bpm4eY_slope vs run
χ² / ndf 52.02 / 51
p0 10.17 ± 32.69
2000
0
−2000
−4000
−6000
−8000
−10000
pull
Entries 52
Mean 2.598
Std Dev 0
pull1D
Entries 52
Mean −0.01518
Std Dev 1

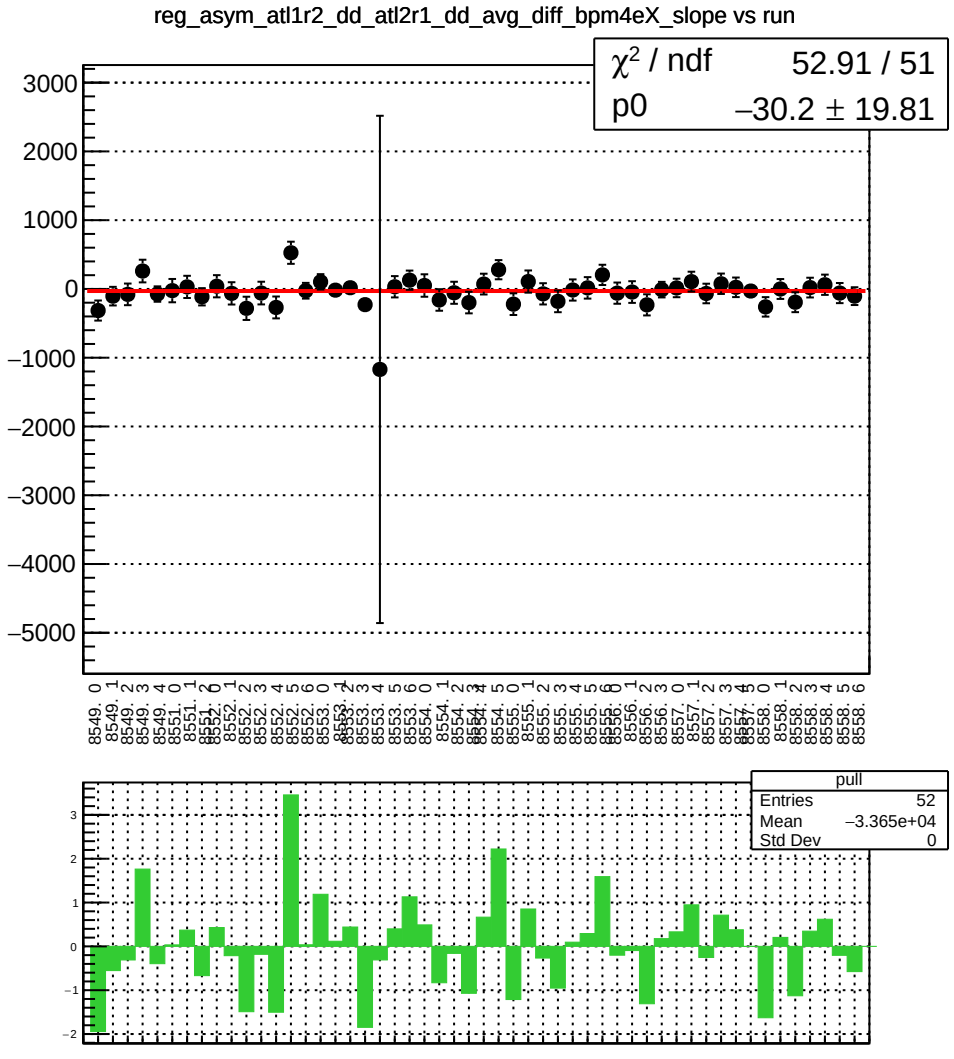

reg_asym_atl1r2_dd_atl2r1_dd_dd_diff_bpm12X_slope vs run
χ² / ndf 52.8 / 51
p0 −29.48 ± 2.134
pull
Entries 52
Mean 55.72
Std Dev 0
pull1D
Entries 52
Mean −0.0176
Std Dev 1.008

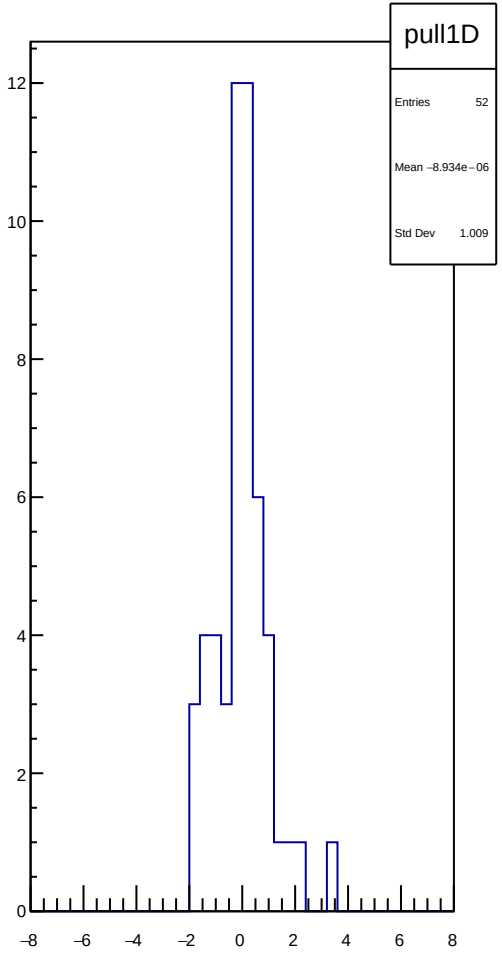

reg_asym_atl1r2_dd_atl2r1_dd_avg_diff_bpm1X_slope vs run
χ² / ndf 54.04 / 51
p0 41 ± 18.2
pull
Entries 52
Mean 292.6
Std Dev 0

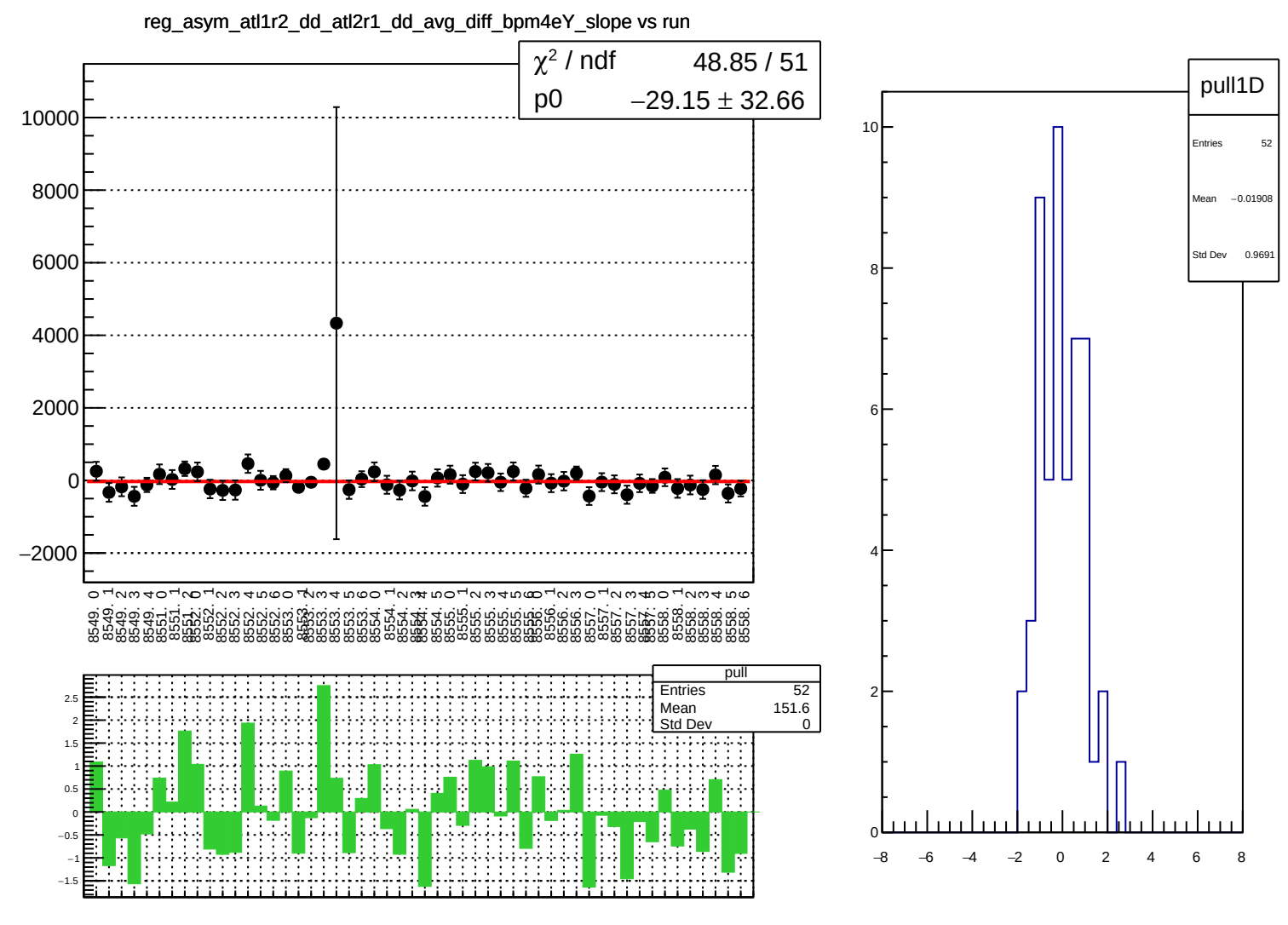

pull1D
Entries 52
Mean −0.002435
Std Dev 1.019

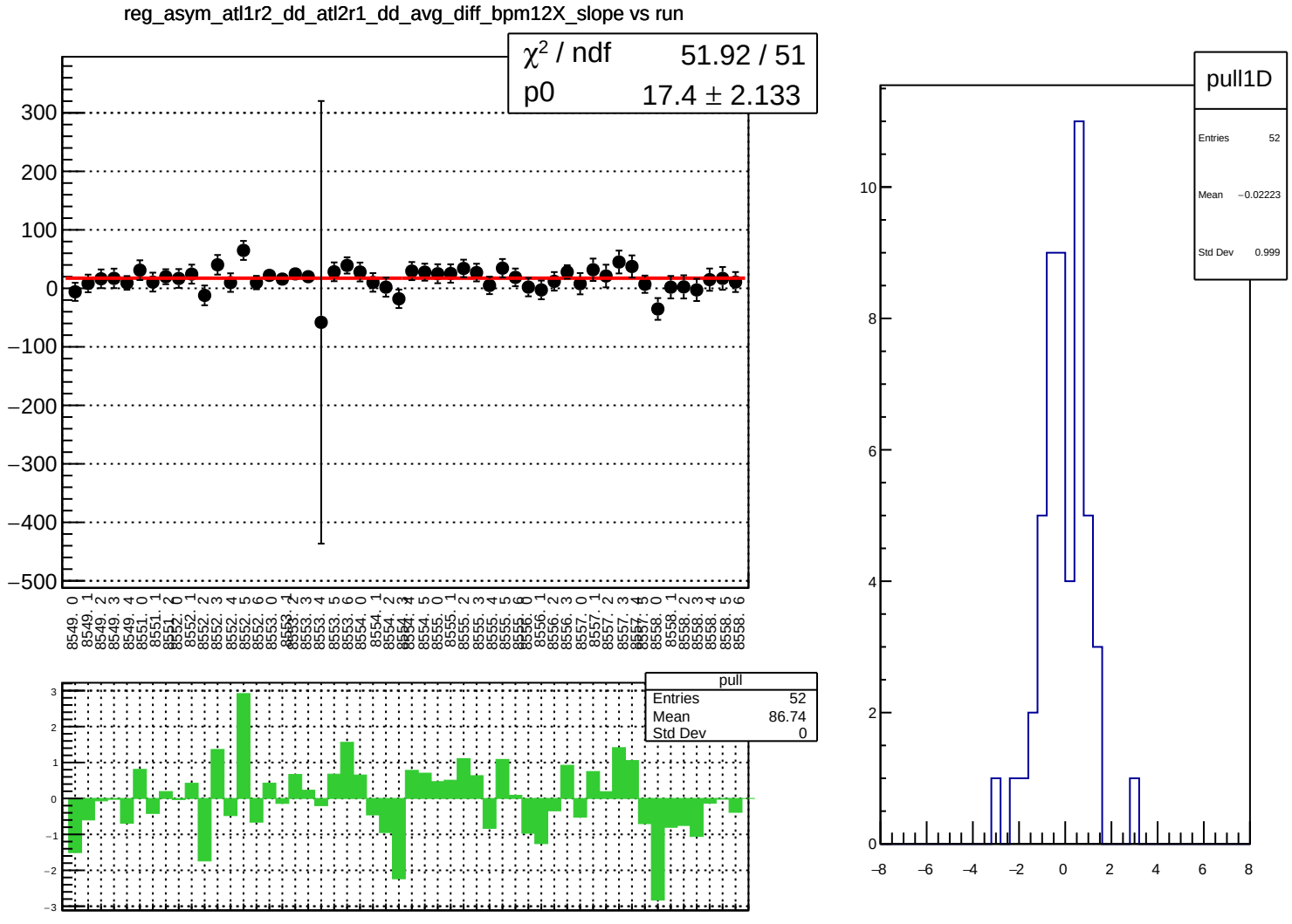

reg_asym_atl1r2_dd_atl2r1_dd_avg_diff_bpm4aY_slope vs run
χ² / ndf 47.7 / 51
p0 28.02 ± 30.78
pull
Entries 52
Mean 159.8
Std Dev 0

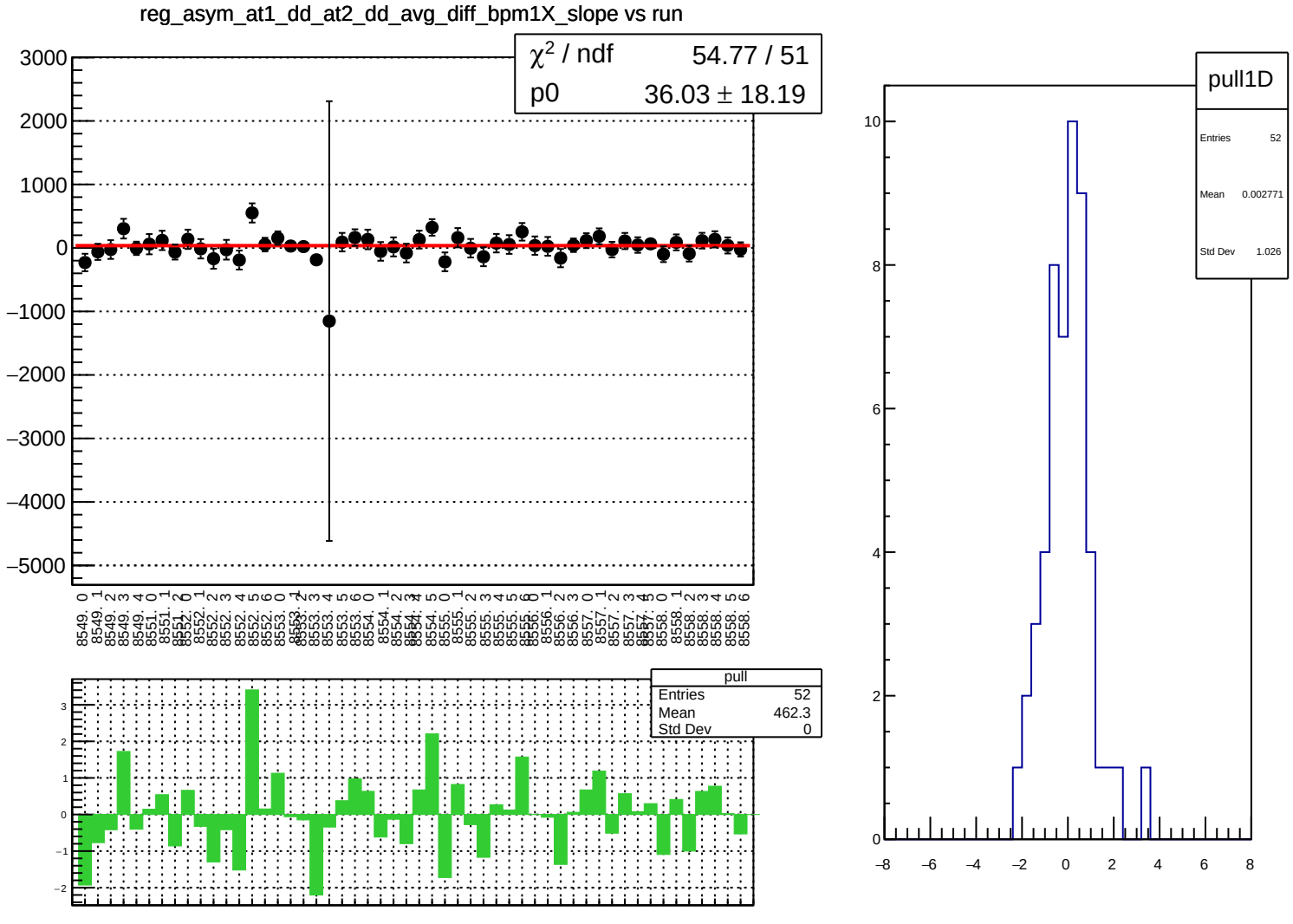

pull1D
Entries 52
Mean 0.02025
Std Dev 0.9576

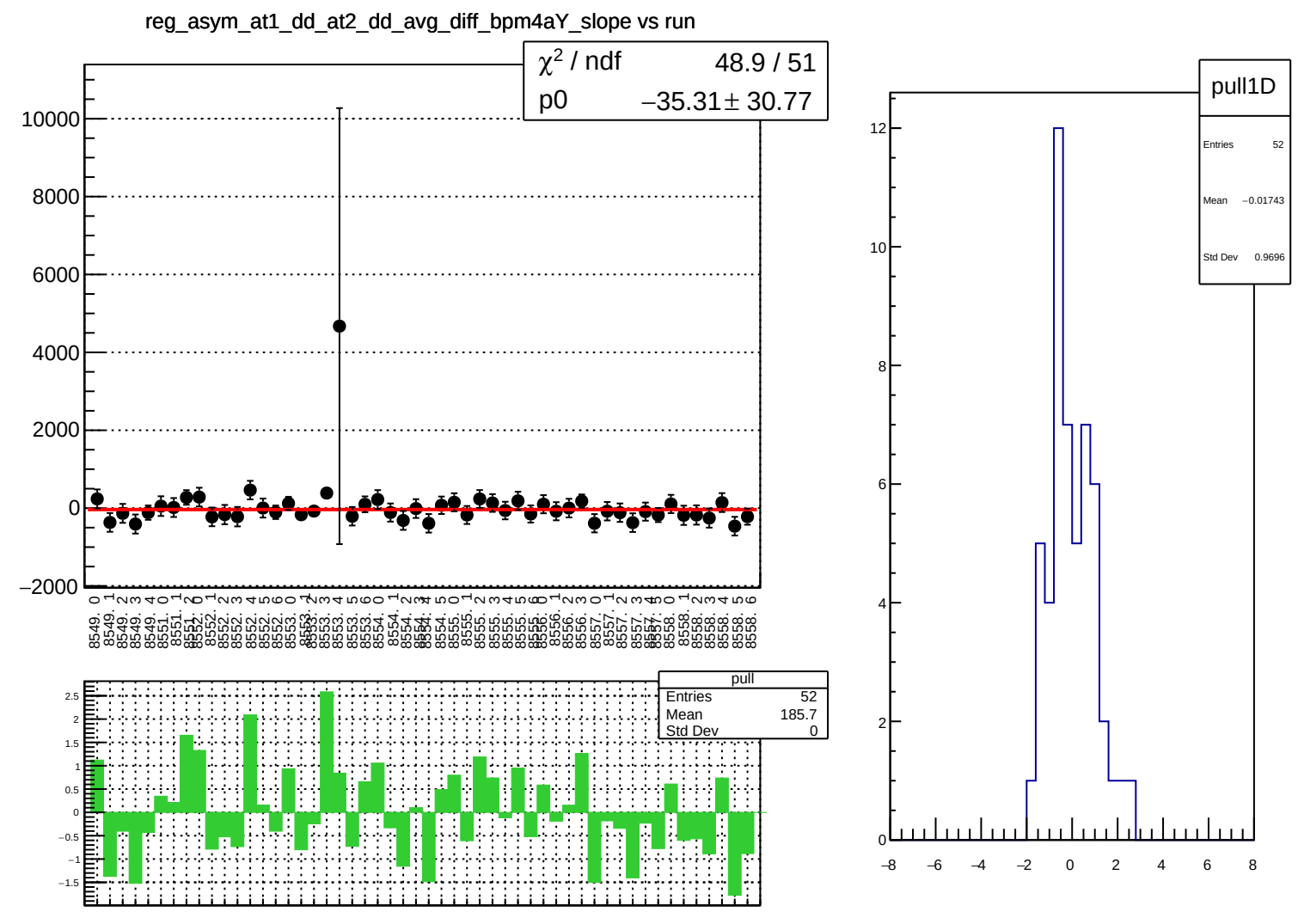

reg_asym_atl1r2_dd_atl2r1_dd_avg_diff_bpm4eX_slope vs run
χ² / ndf 52.91 / 51
p0 −30.2 ± 19.81
pull
Entries 52
Mean −3.365e+04
Std Dev 0

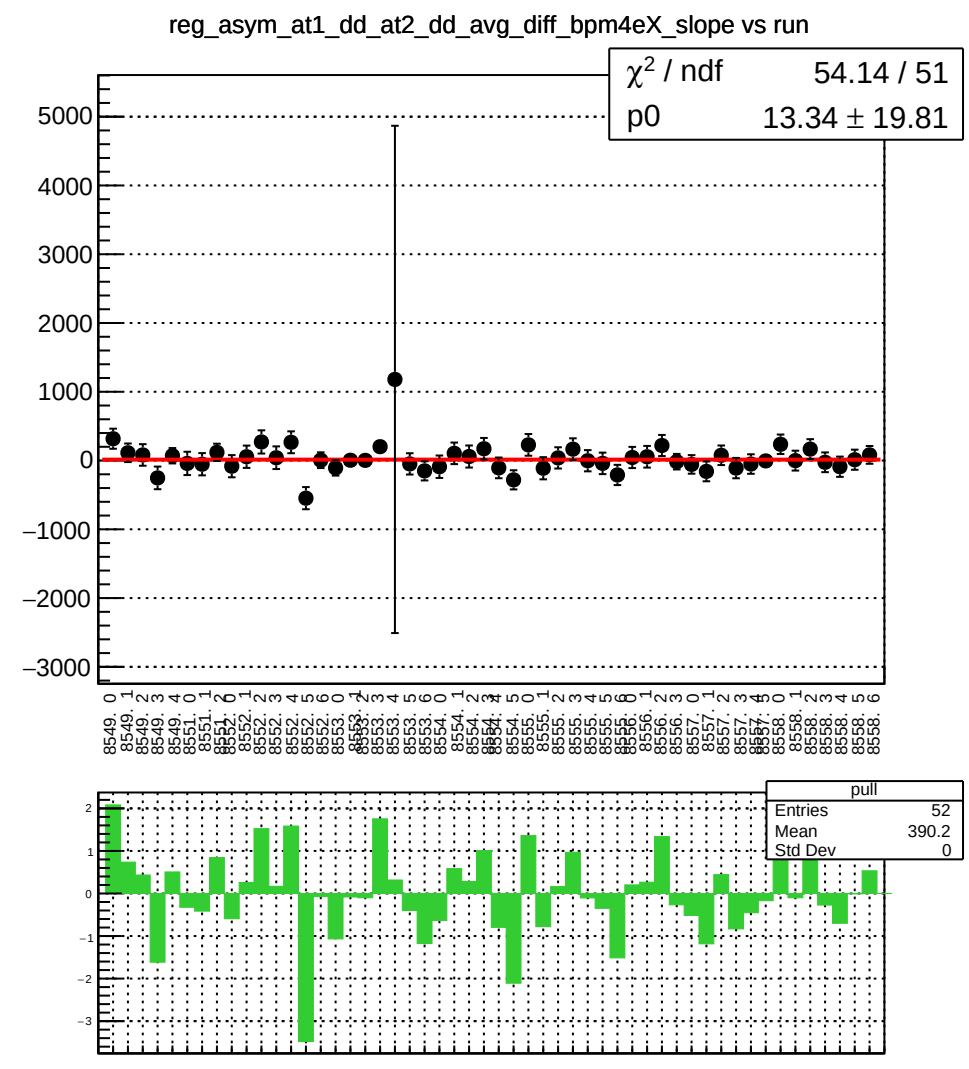

pull1D
Entries 52
Mean −8.934e−06
Std Dev 1.009

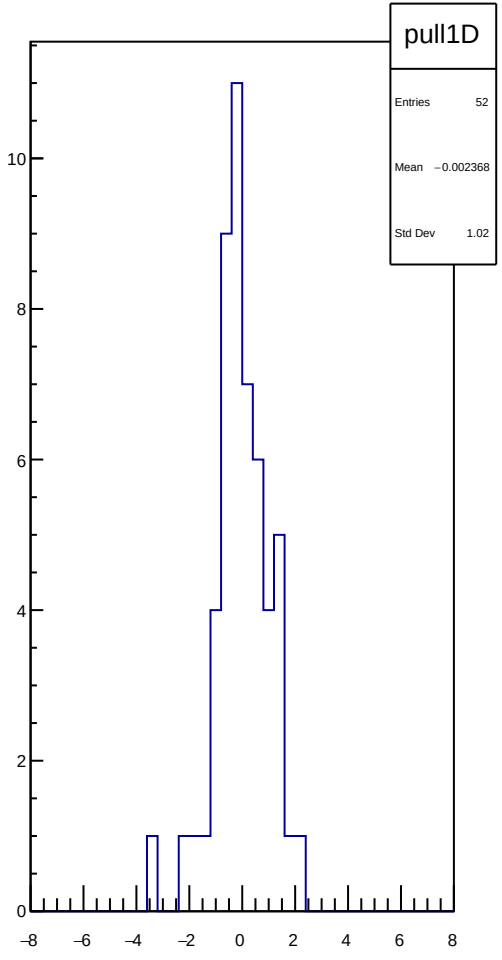

reg_asym_atl1r2_dd_atl2r1_dd_avg_diff_bpm4eY_slope vs run
χ² / ndf 48.85 / 51
p0 −29.15 ± 32.66
pull
Entries 52
Mean 151.6
Std Dev 0
pull1D
Entries 52
Mean −0.01908
Std Dev 0.9691

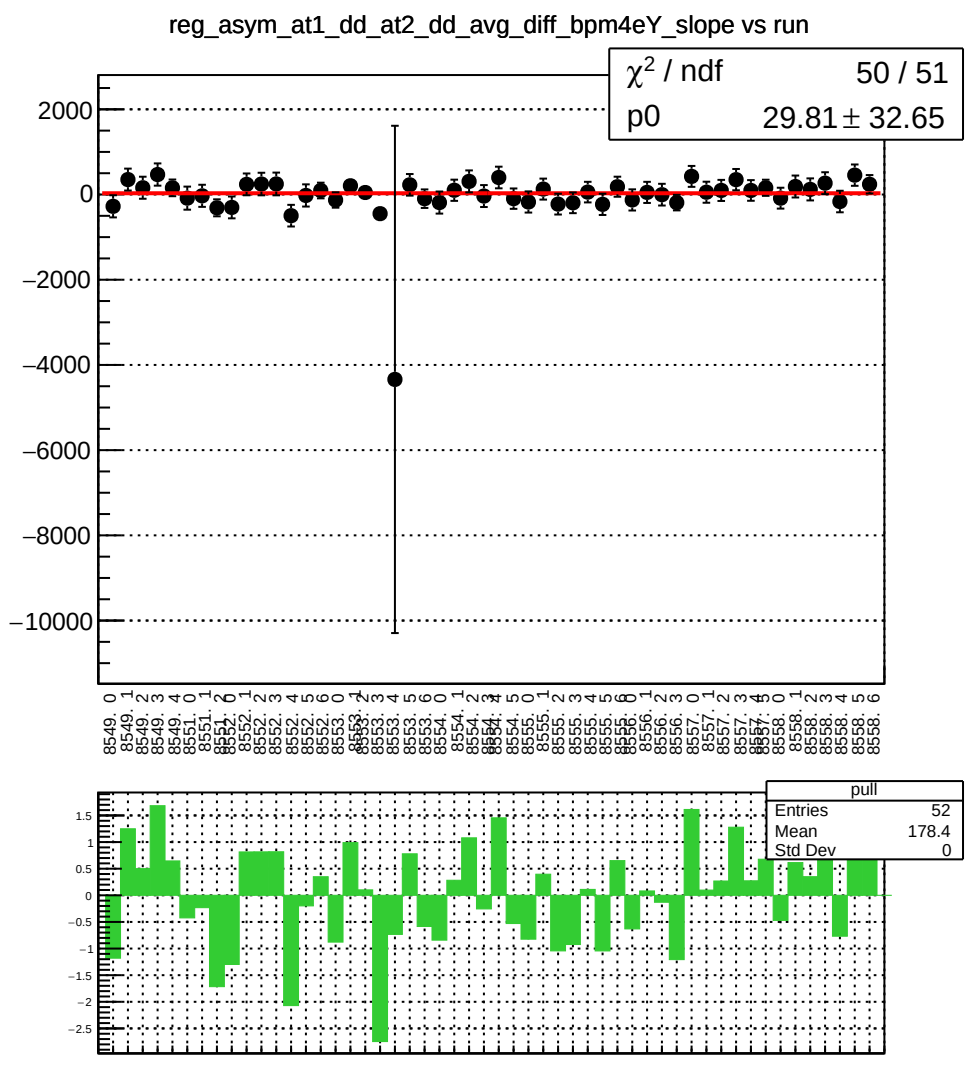

reg_asym_atl1r2_dd_atl2r1_dd_avg_diff_bpm12X_slope vs run
χ² / ndf 51.92 / 51
p0 17.4 ± 2.133
pull
Entries 52
Mean 86.74
Std Dev 0
pull1D
Entries 52
Mean −0.02223
Std Dev 0.999

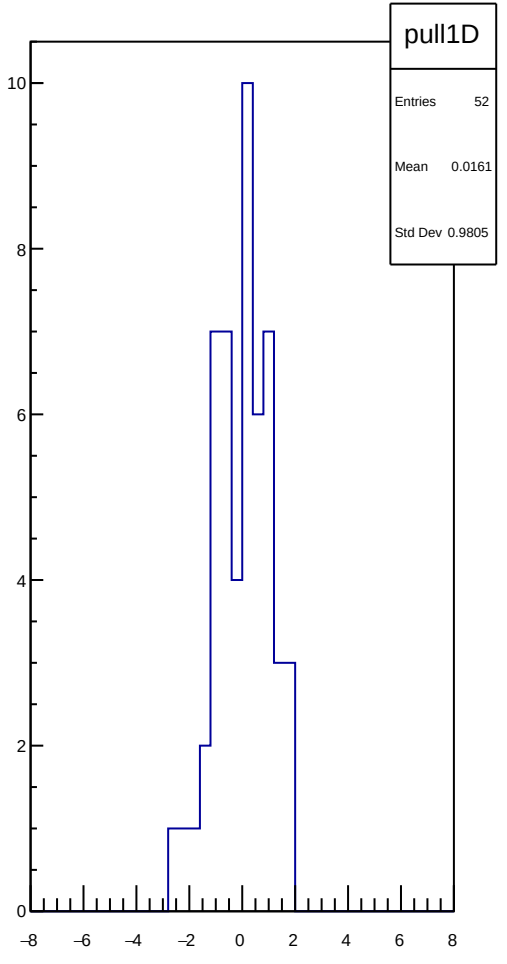

reg_asym_at1_dd_at2_dd_avg_diff_bpm1X_slope vs run
χ² / ndf 54.77 / 51
p0 36.03 ± 18.19
pull
Entries 52
Mean 462.3
Std Dev 0
pull1D
Entries 52
Mean 0.002771
Std Dev 1.026

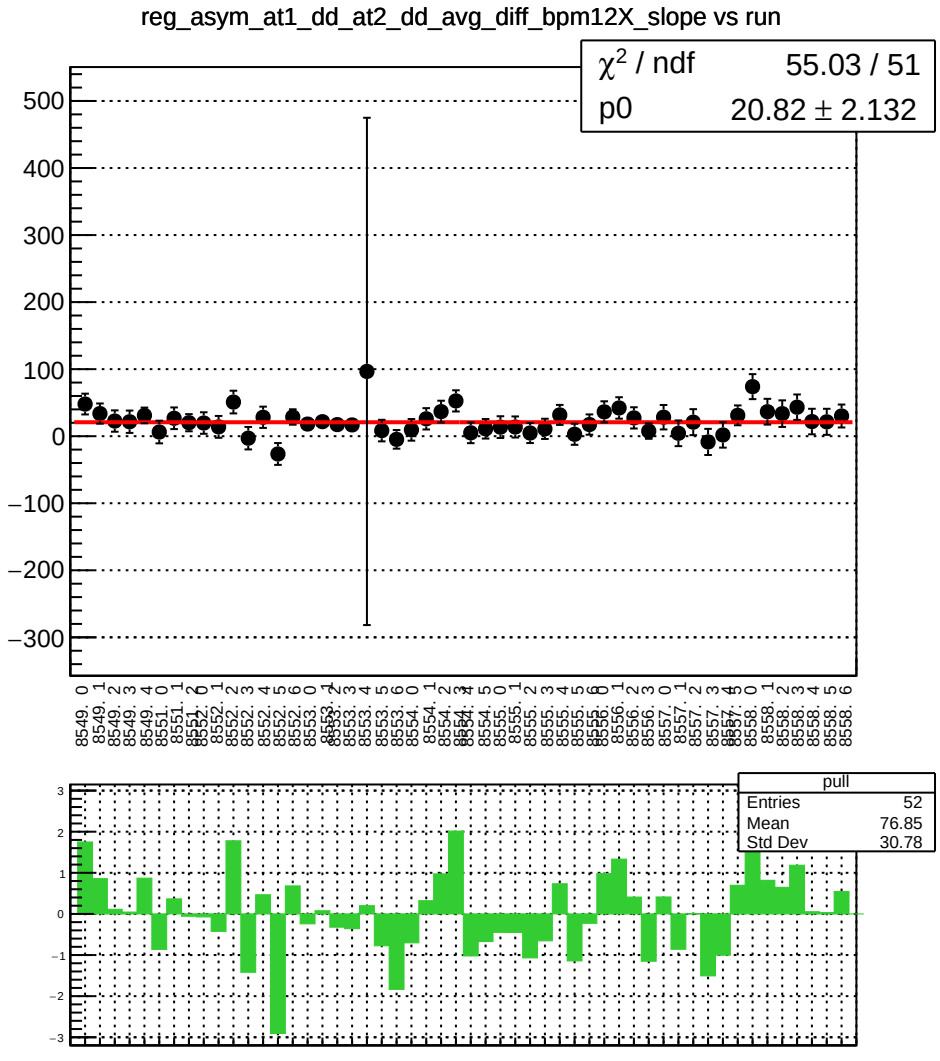

reg_asym_at1_dd_at2_dd_avg_diff_bpm4aY_slope vs run
χ² / ndf 48.9 / 51
p0 −35.31 ± 30.77
pull
Entries 52
Mean 185.7
Std Dev 0
pull1D
Entries 52
Mean −0.01743
Std Dev 0.9696

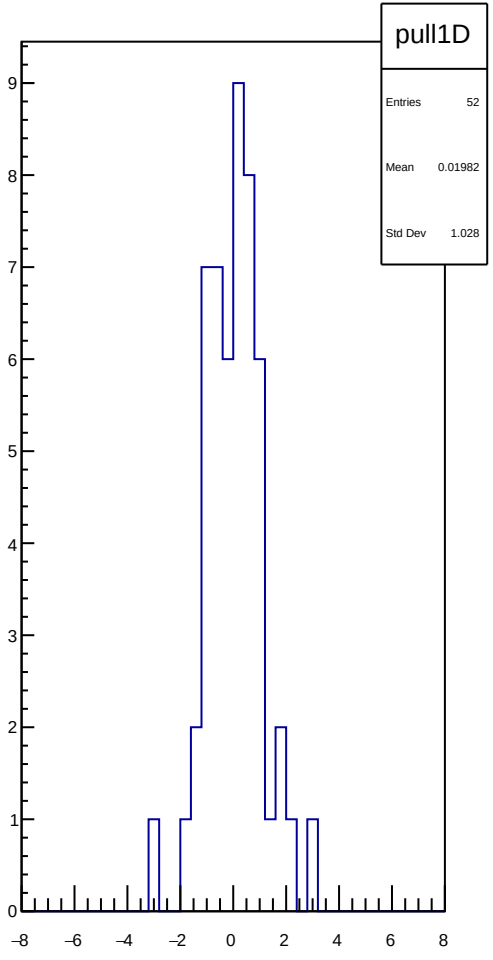

reg_asym_at1_dd_at2_dd_avg_diff_bpm4eX_slope vs run
χ² / ndf 54.14 / 51
p0 13.34 ± 19.81
pull
Entries 52
Mean 390.2
Std Dev 0

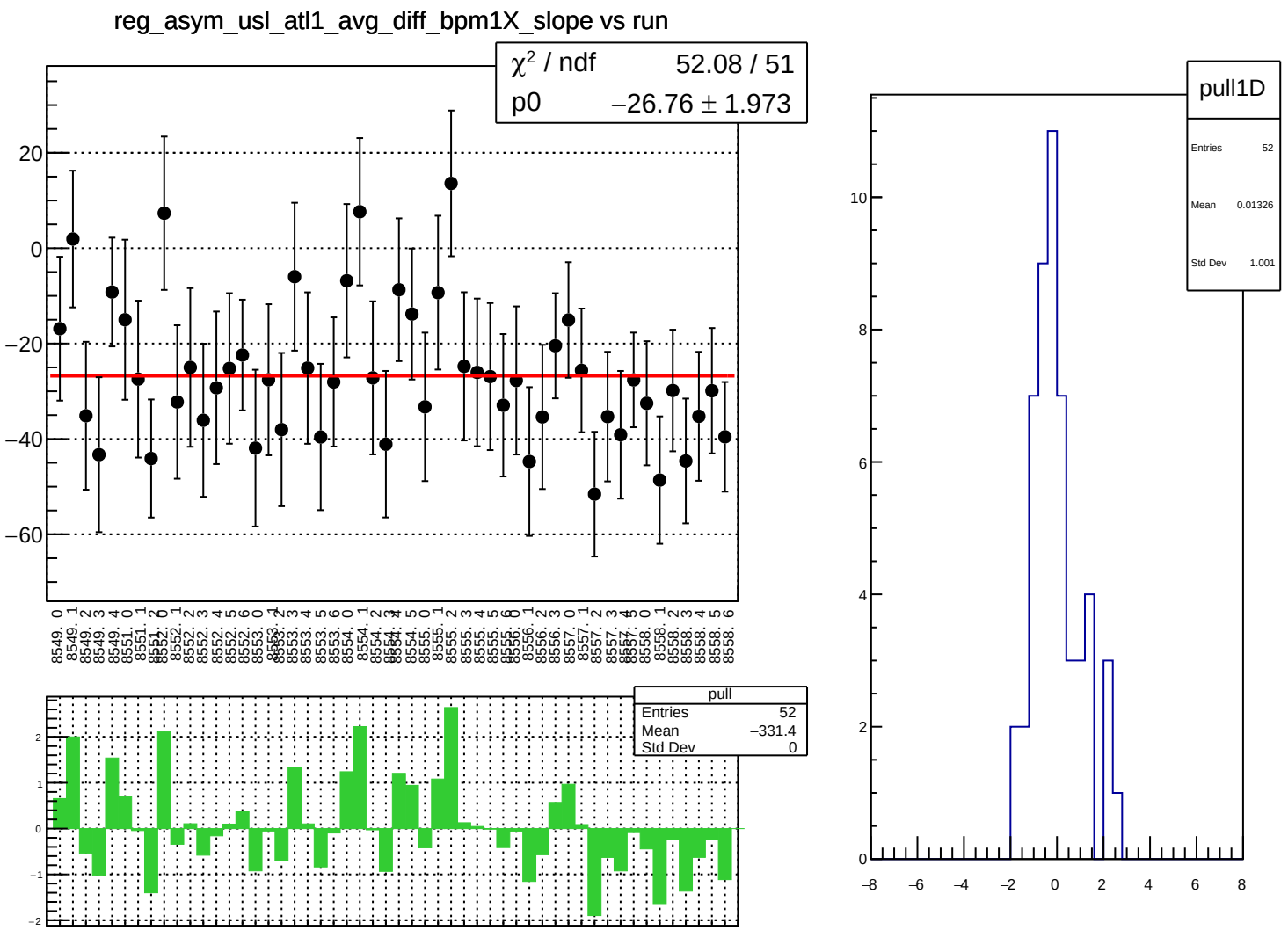

pull1D
Entries 52
Mean −0.002368
Std Dev 1.02

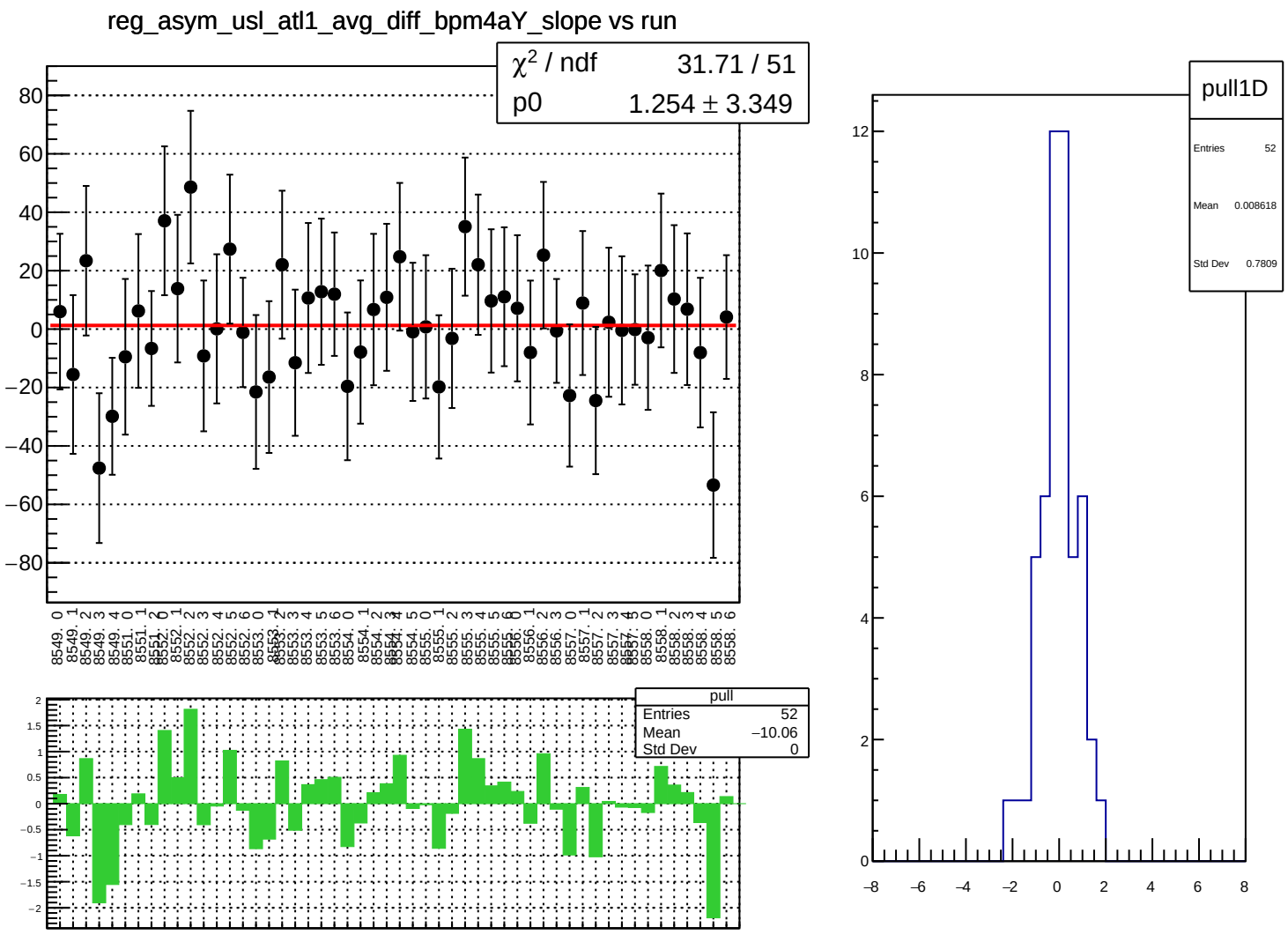

reg_asym_at1_dd_at2_dd_avg_diff_bpm4eY_slope vs run
χ² / ndf 50 / 51
p0 29.81 ± 32.65
2000
0
−2000
−4000
−6000
−8000
−10000
pull
Entries 52
Mean 178.4
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

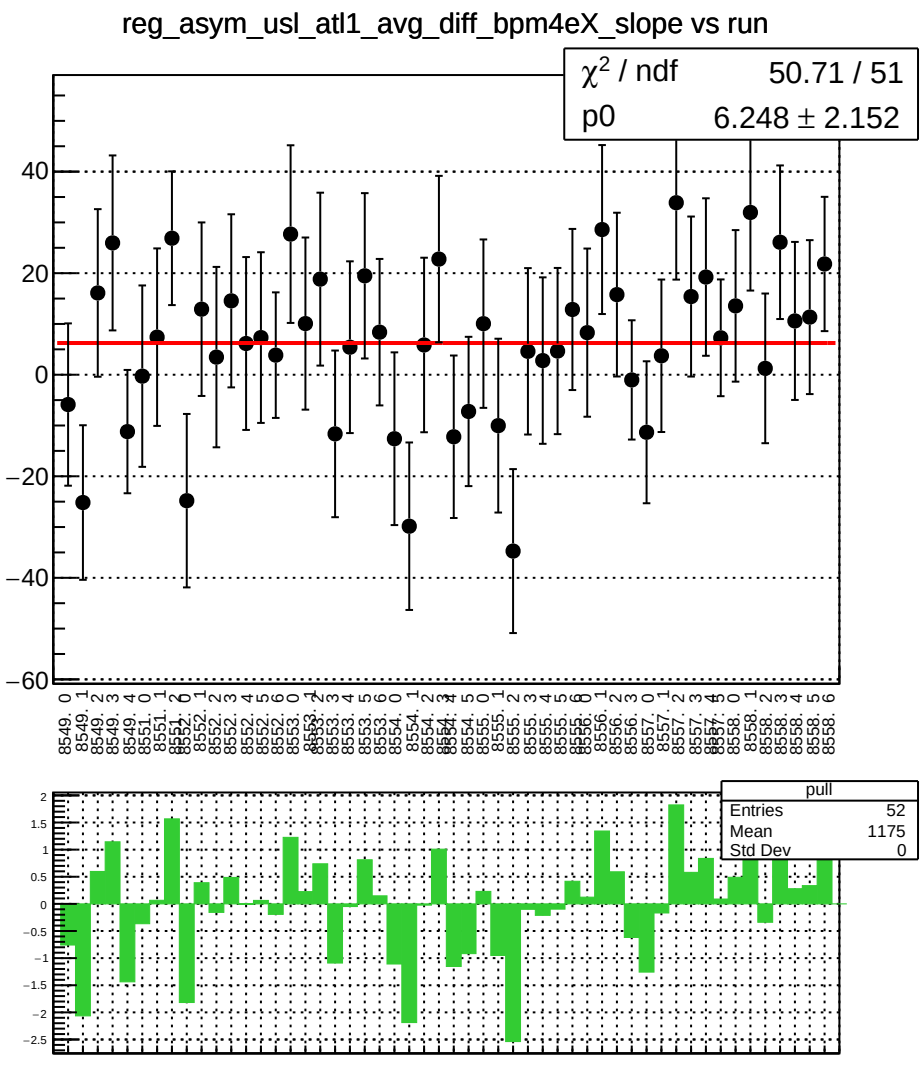

pull1D
Entries 52
Mean 0.0161
Std Dev 0.9805
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

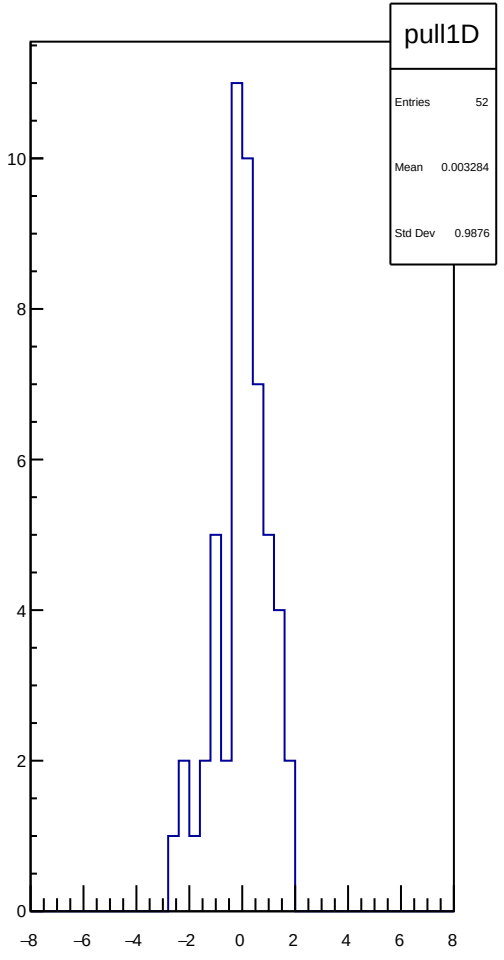

reg_asym_at1_dd_at2_dd_avg_diff_bpm12X_slope vs run
χ² / ndf 55.03 / 51
p0 20.82 ± 2.132
pull
Entries 52
Mean 76.85
Std Dev 30.78

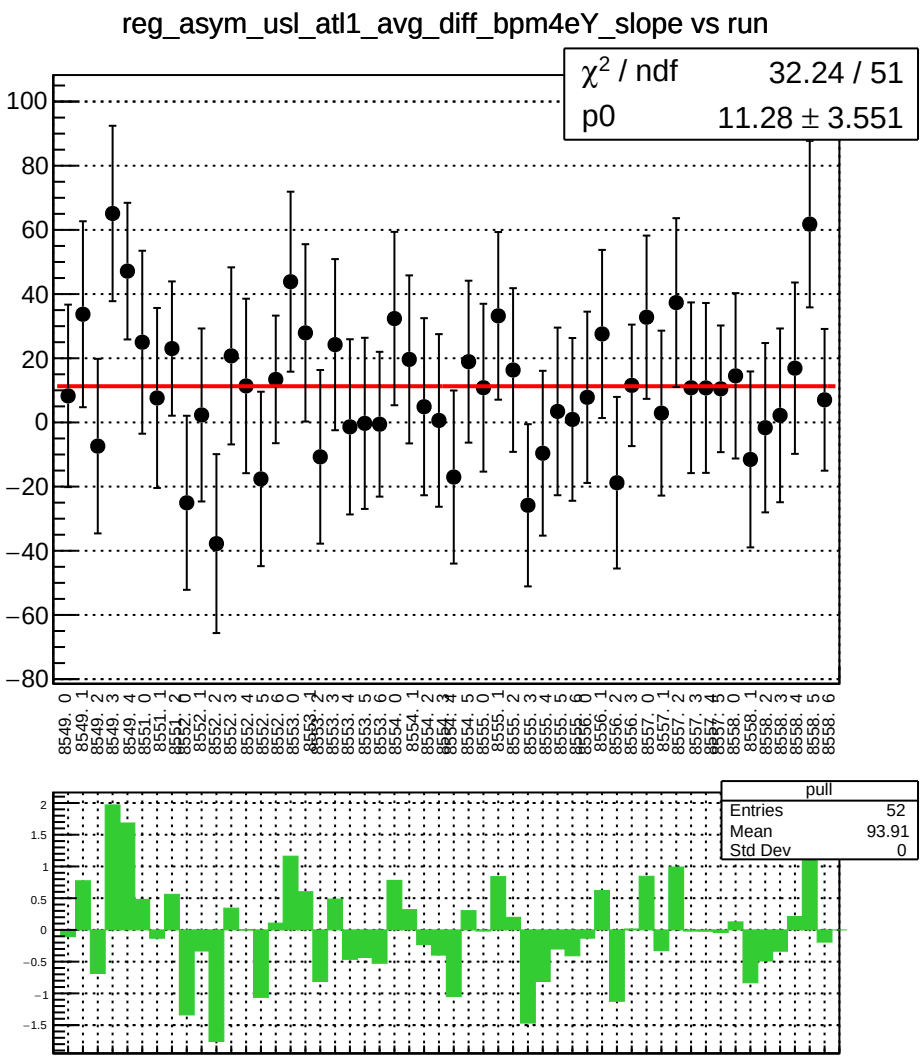

pull1D
Entries 52
Mean 0.01982
Std Dev 1.028

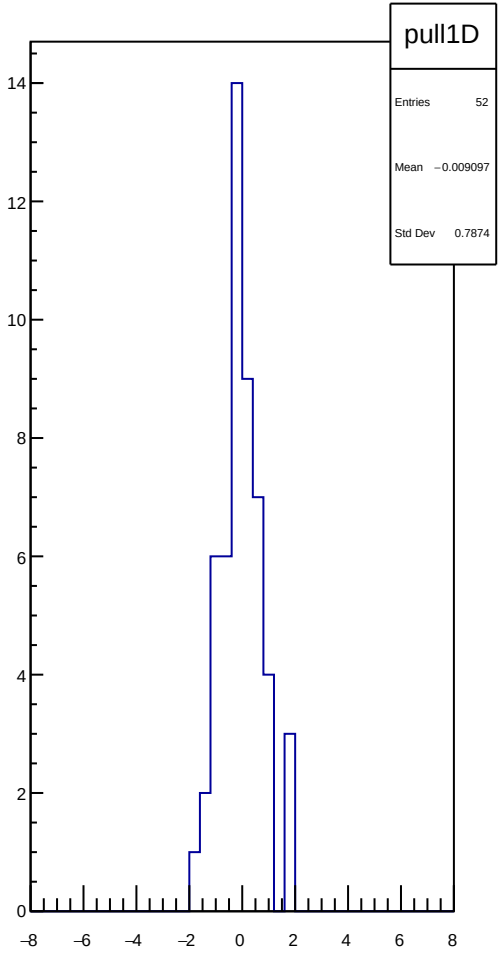

reg_asym_usl_atl1_avg_diff_bpm1X_slope vs run
χ² / ndf 52.08 / 51
p0 −26.76 ± 1.973
pull
Entries 52
Mean −331.4
Std Dev 0
pull1D
Entries 52
Mean 0.01326
Std Dev 1.001

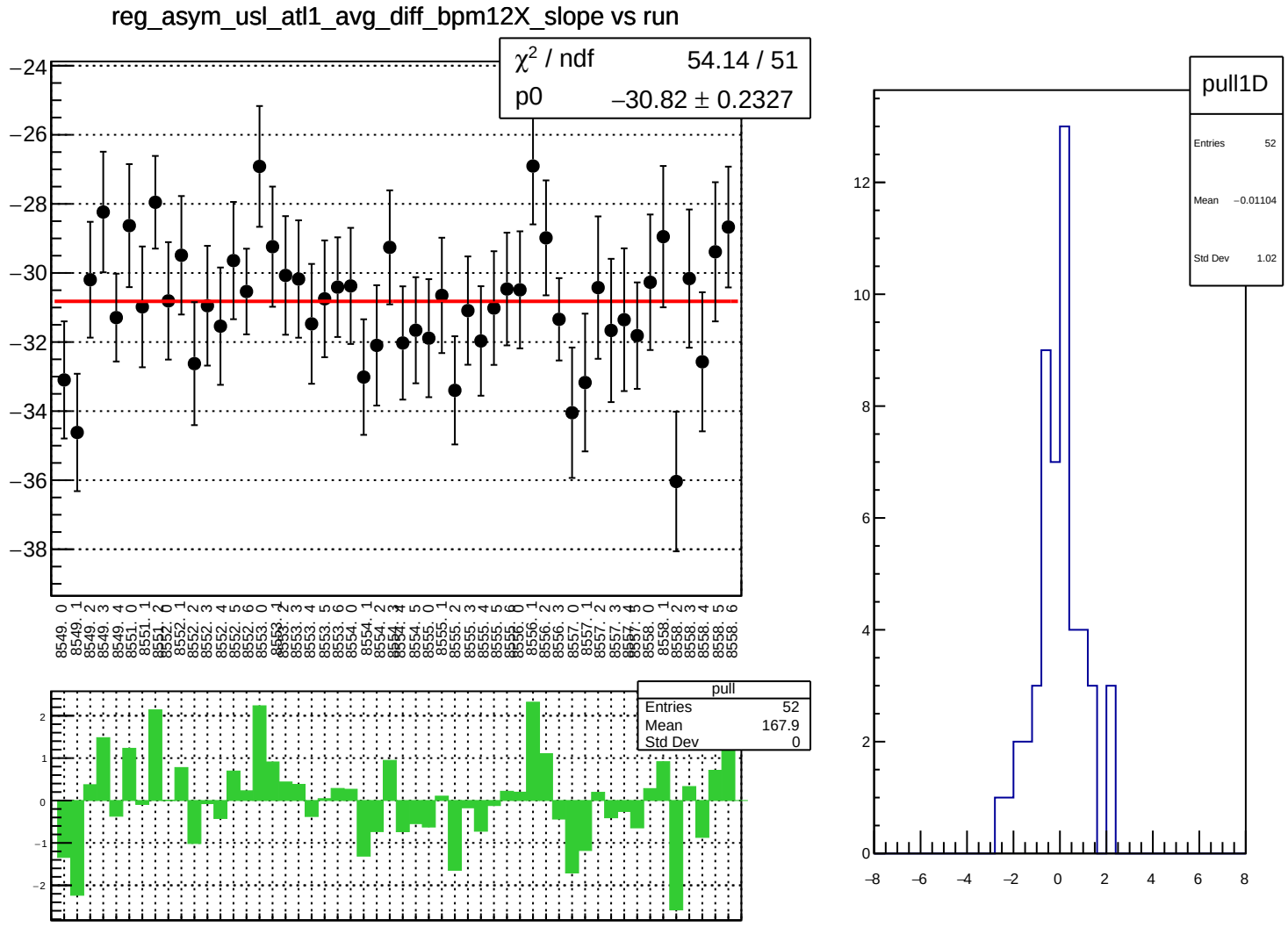

reg_asym_usl_atl1_avg_diff_bpm4aY_slope vs run
χ² / ndf 31.71 / 51
p0 1.254 ± 3.349
pull
Entries 52
Mean −10.06
Std Dev 0
pull1D
Entries 52
Mean 0.008618
Std Dev 0.7809

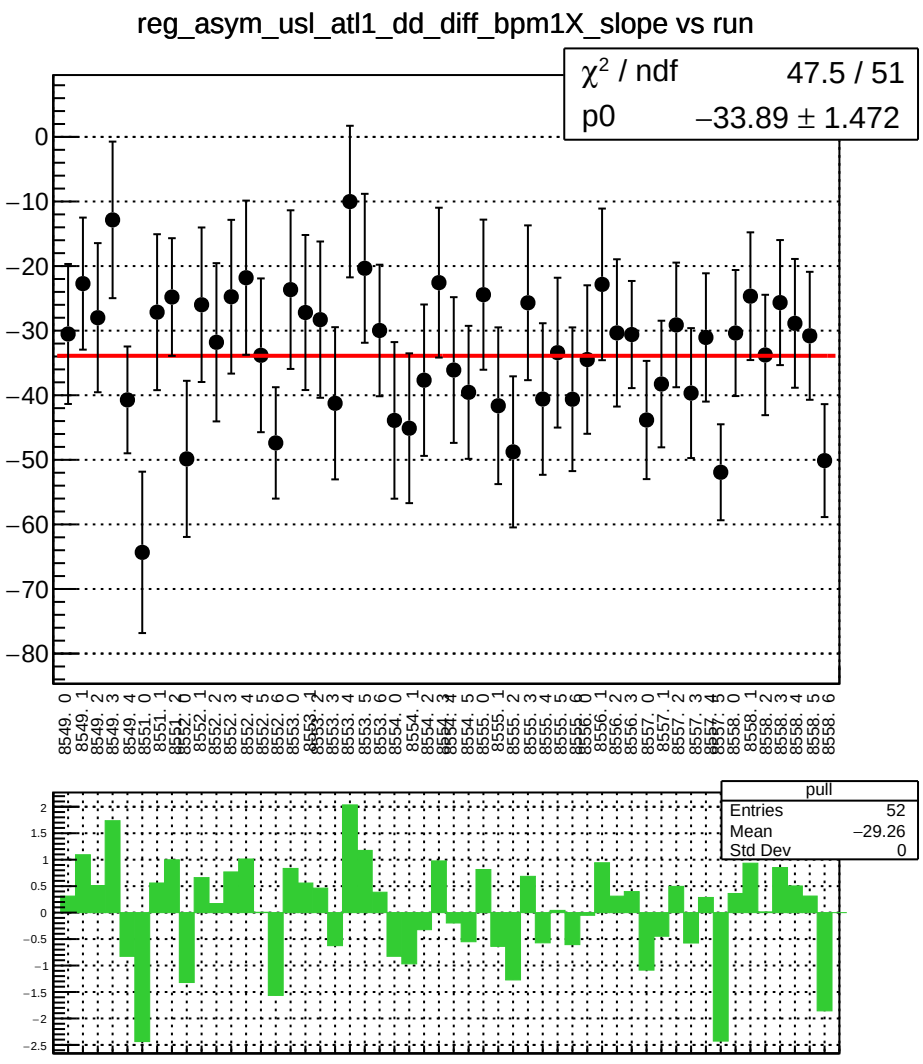

reg_asym_usl_atl1_avg_diff_bpm4eX_slope vs run
χ² / ndf 50.71 / 51
p0 6.248 ± 2.152
pull
Entries 52
Mean 1175
Std Dev 0

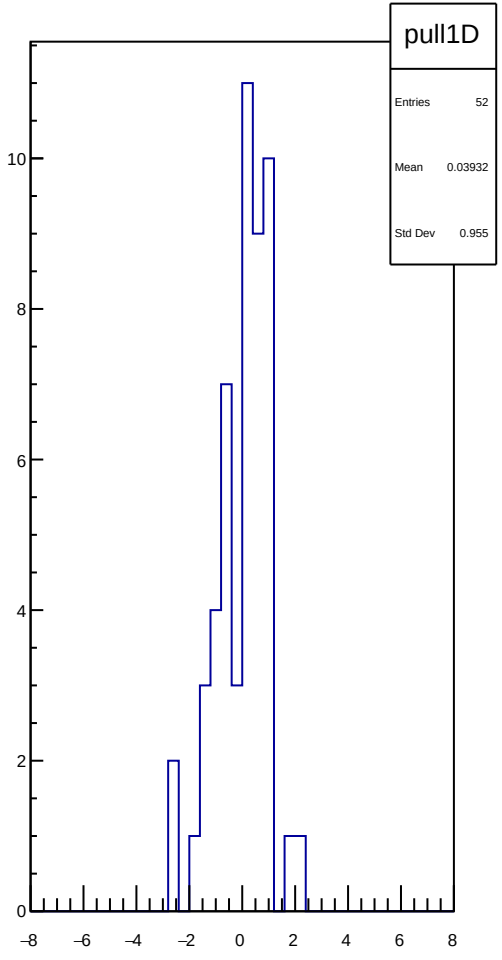

pull1D
Entries 52
Mean 0.003284
Std Dev 0.9876

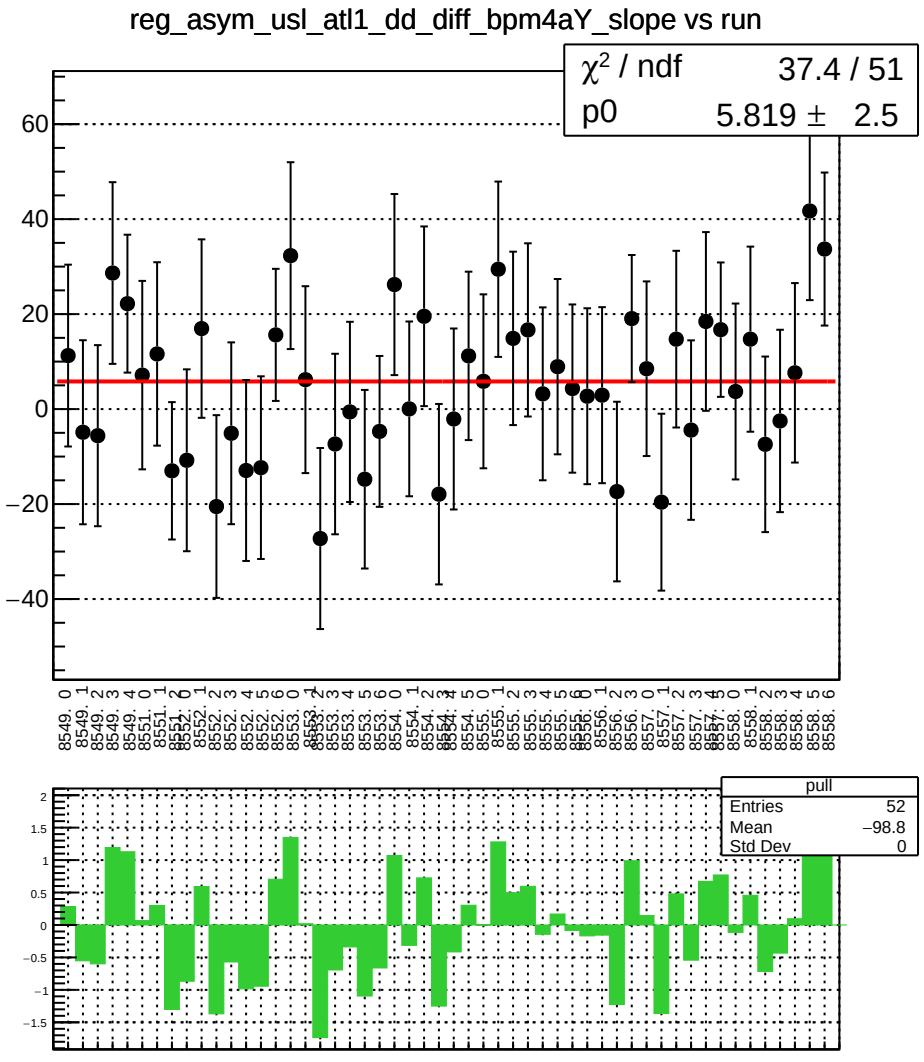

reg_asym_usl_atl1_avg_diff_bpm4eY_slope vs run
χ² / ndf 32.24 / 51
p0 11.28 ± 3.551
pull
Entries 52
Mean 93.91
Std Dev 0

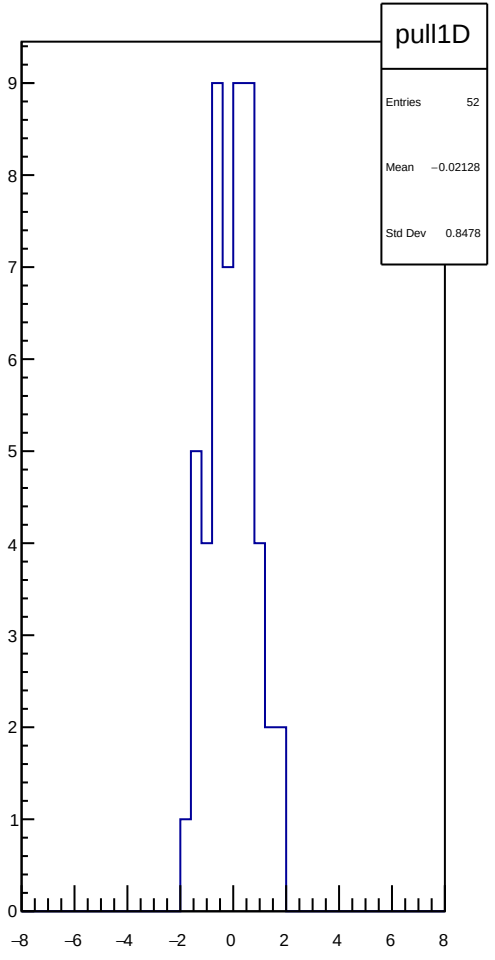

pull1D
Entries 52
Mean −0.009097
Std Dev 0.7874

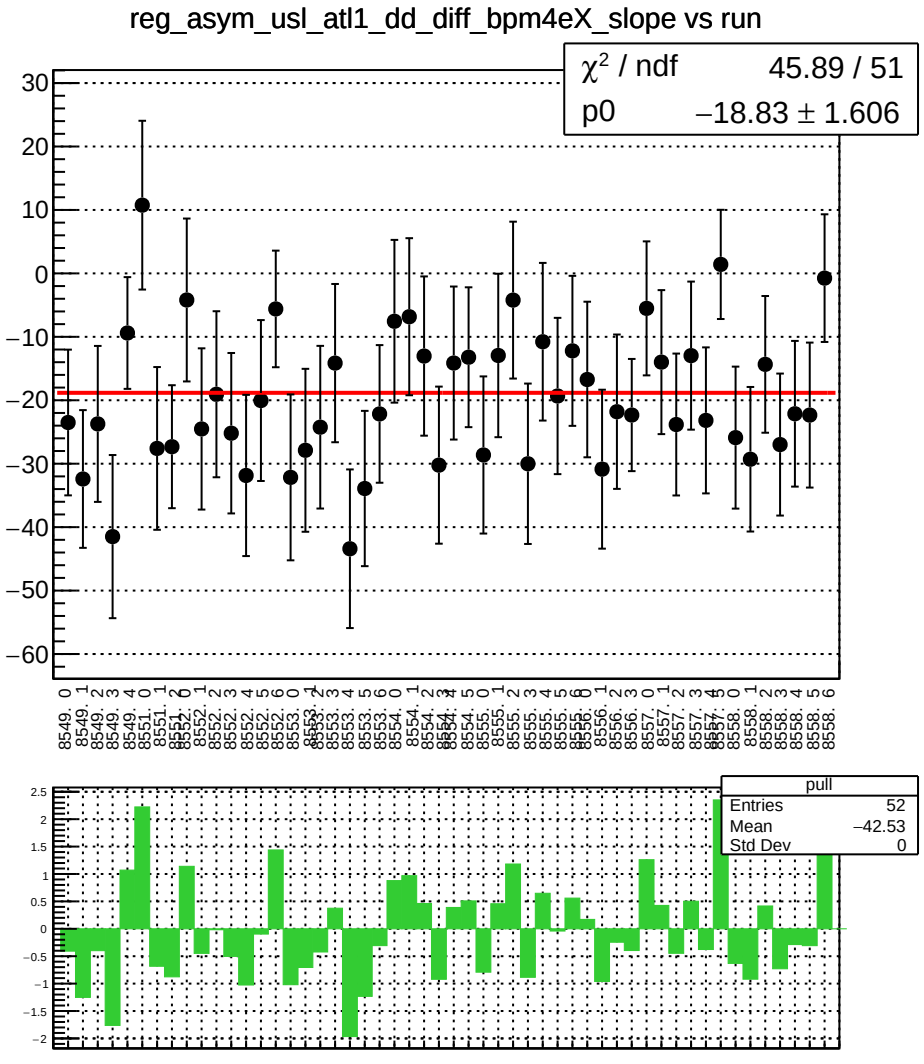

reg_asym_usl_atl1_avg_diff_bpm12X_slope vs run
χ² / ndf 54.14 / 51
p0 −30.82 ± 0.2327
pull
Entries 52
Mean 167.9
Std Dev 0
pull1D
Entries 52
Mean −0.01104
Std Dev 1.02

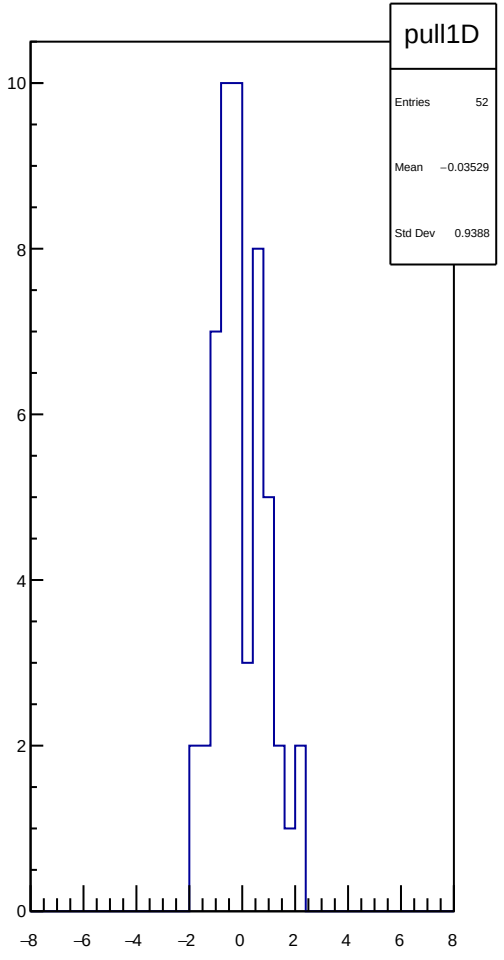

reg_asym_usl_atl1_dd_diff_bpm1X_slope vs run
χ² / ndf 47.5 / 51
p0 −33.89 ± 1.472
pull
Entries 52
Mean −29.26
Std Dev 0

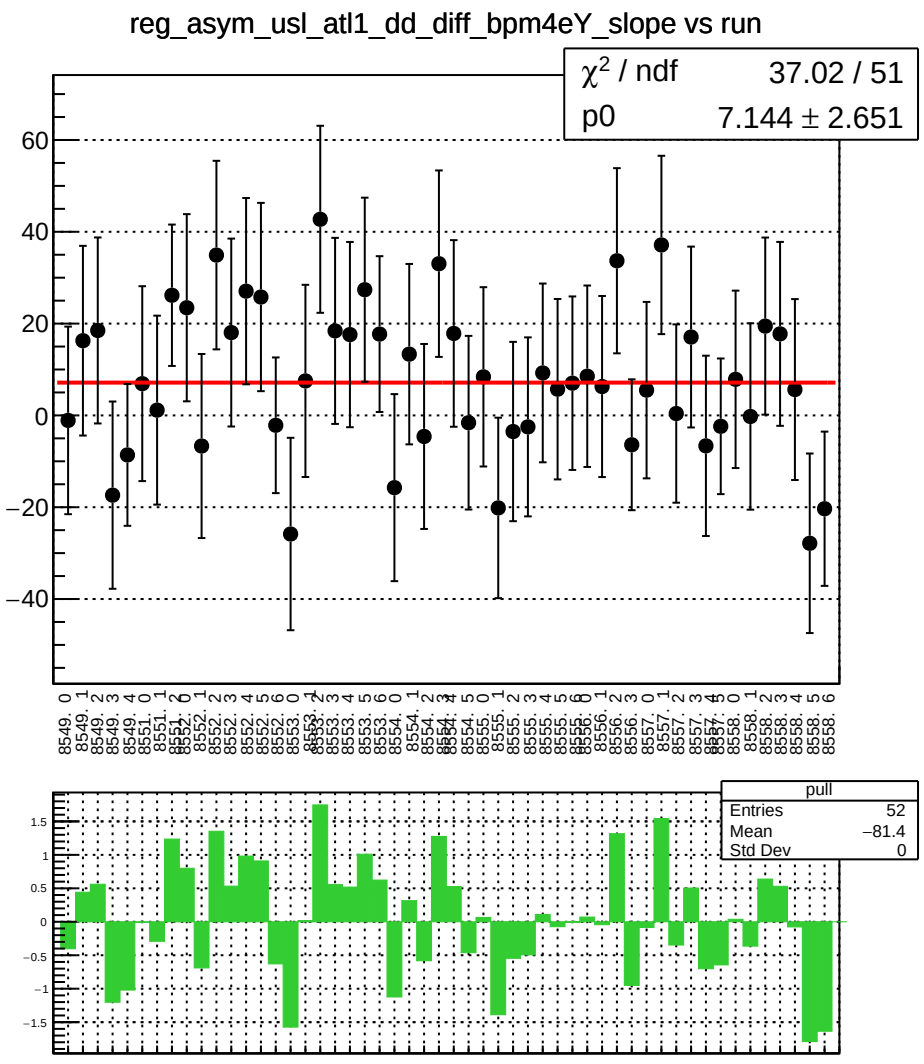

pull1D
Entries 52
Mean 0.03932
Std Dev 0.955

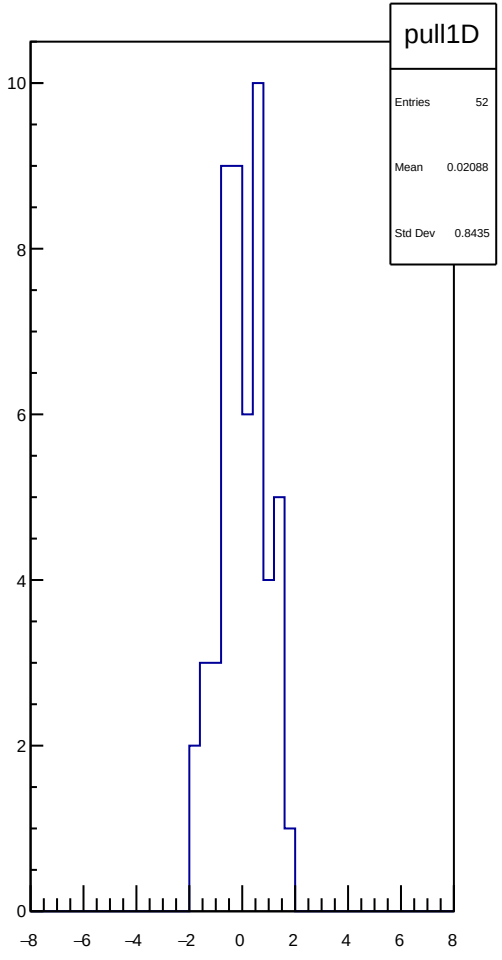

reg_asym_usl_atl1_dd_diff_bpm4aY_slope vs run
χ² / ndf 37.4 / 51
p0 5.819 ± 2.5
pull
Entries 52
Mean −98.8
Std Dev 0

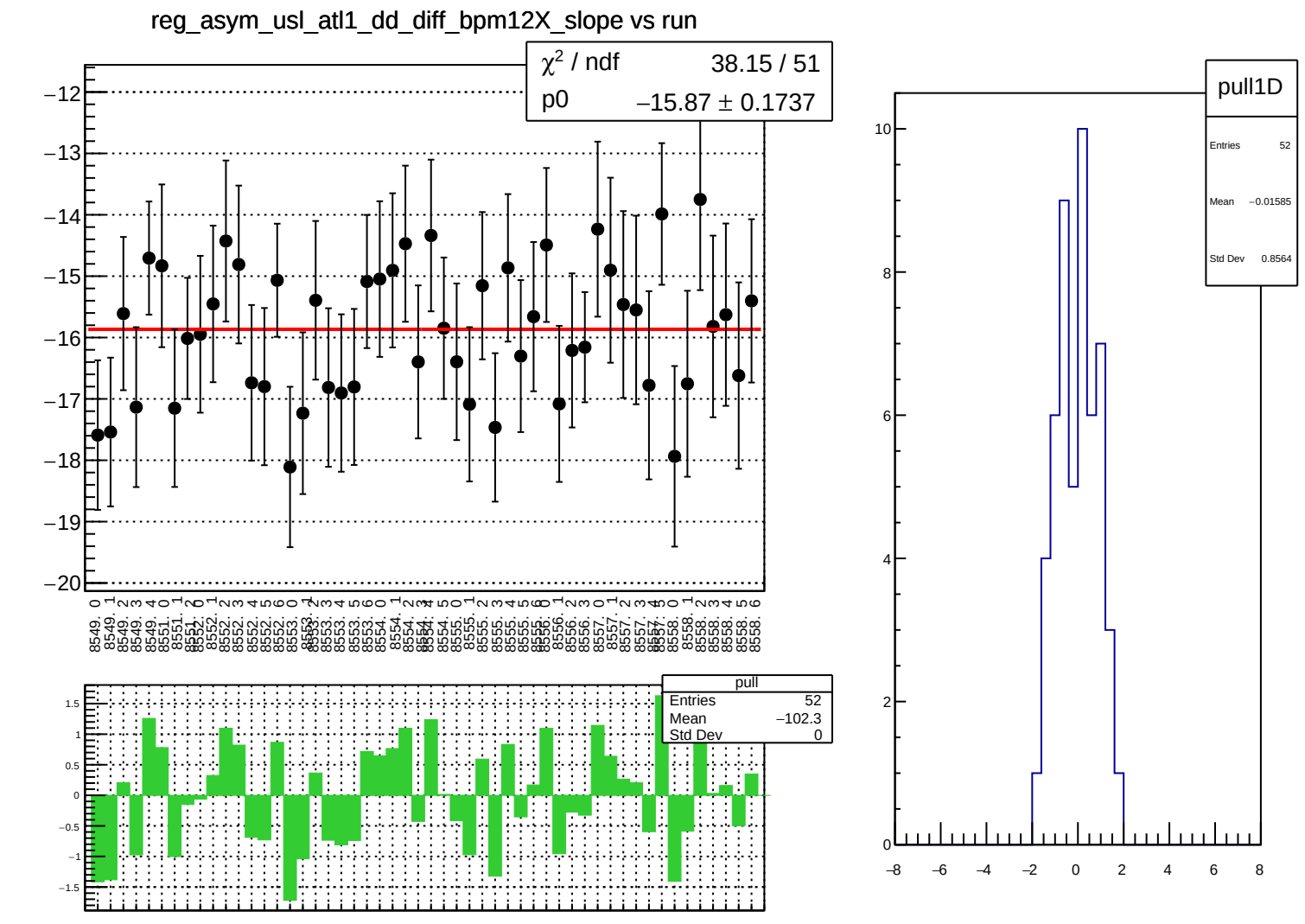

pull1D
Entries 52
Mean −0.02128
Std Dev 0.8478

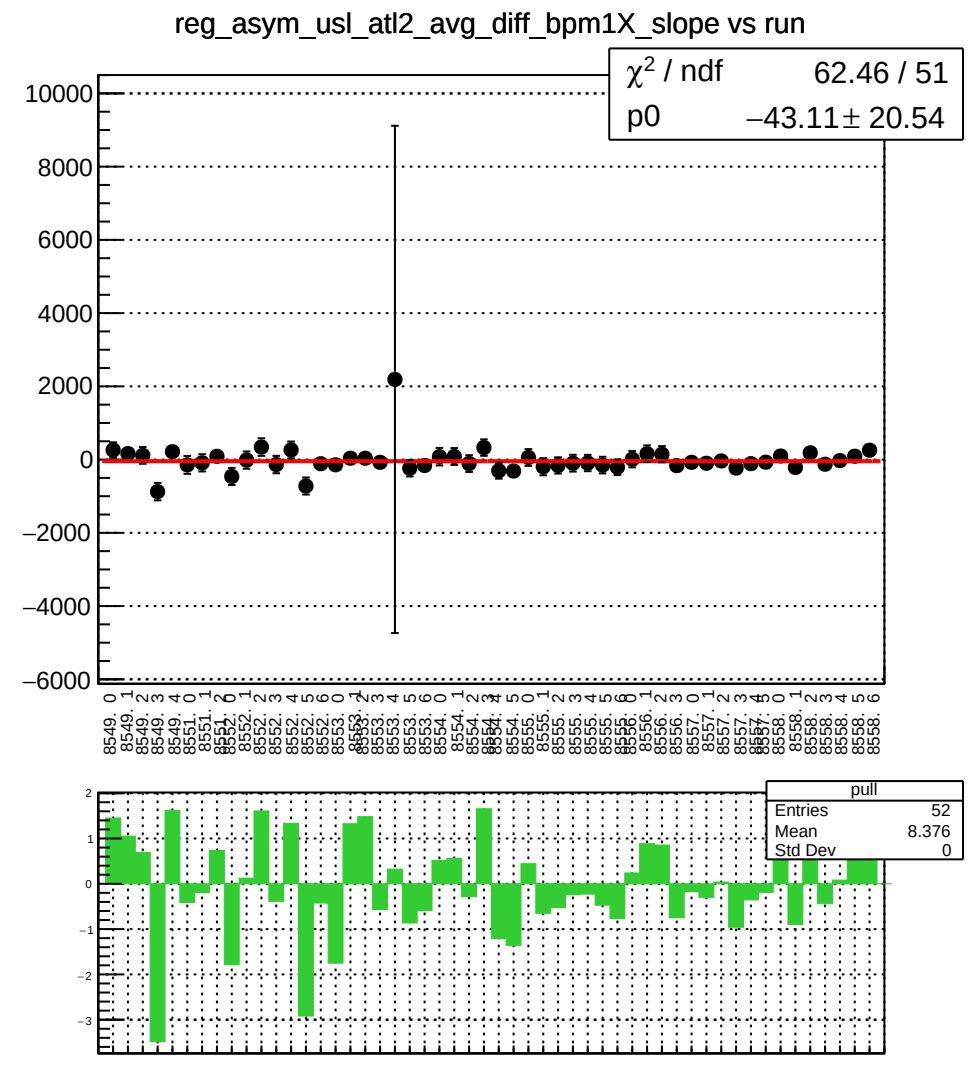

reg_asym_usl_atl1_dd_diff_bpm4eX_slope vs run
χ² / ndf 45.89 / 51
p0 −18.83 ± 1.606
pull
Entries 52
Mean −42.53
Std Dev 0

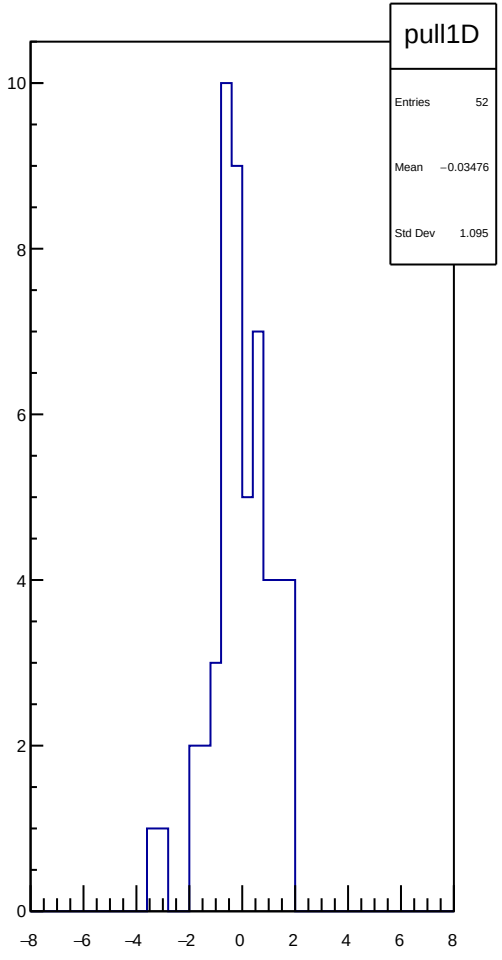

pull1D
Entries 52
Mean −0.03529
Std Dev 0.9388

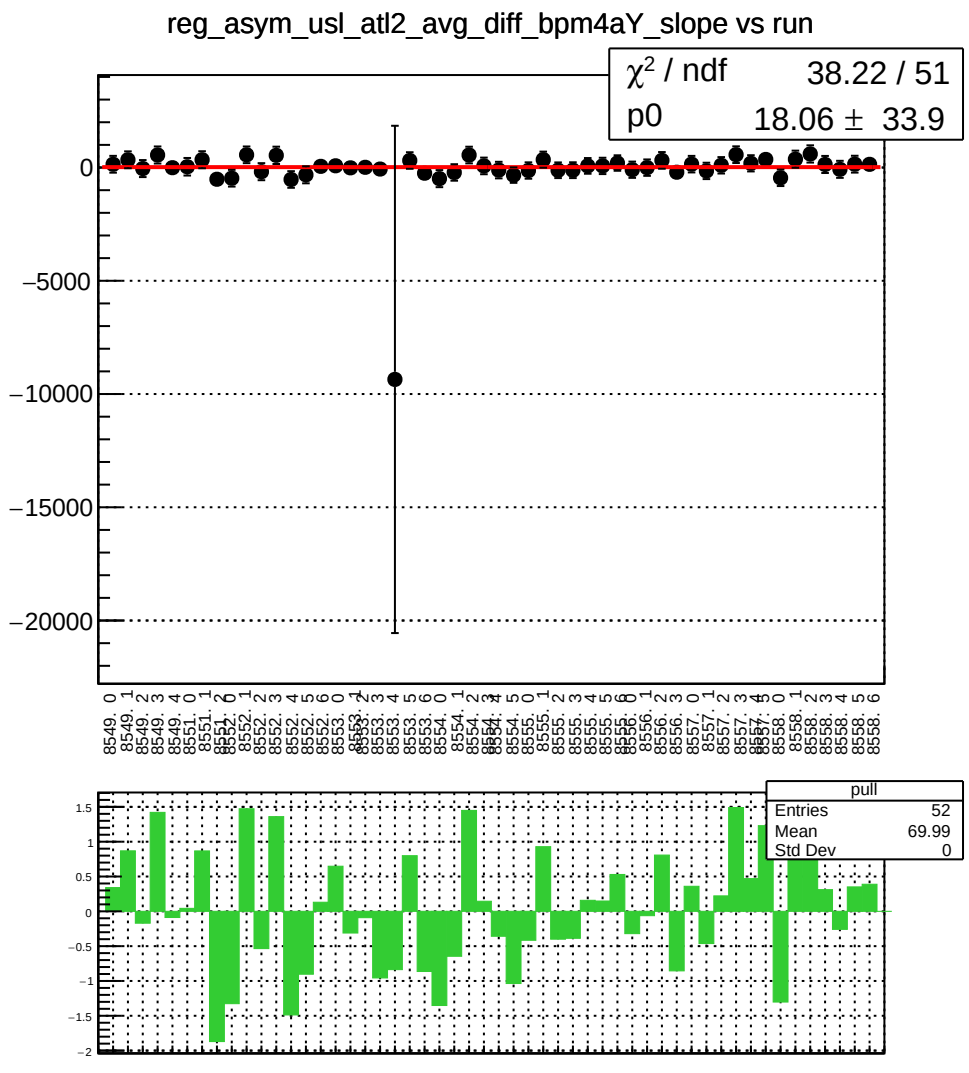

reg_asym_usl_atl1_dd_diff_bpm4eY_slope vs run
χ² / ndf 37.02 / 51
p0 7.144 ± 2.651
pull
Entries 52
Mean −81.4
Std Dev 0

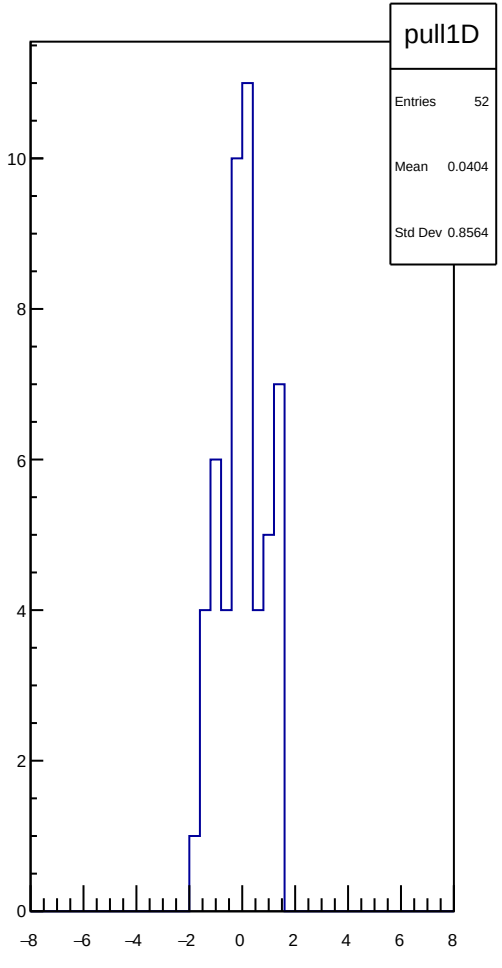

pull1D
Entries 52
Mean 0.02088
Std Dev 0.8435

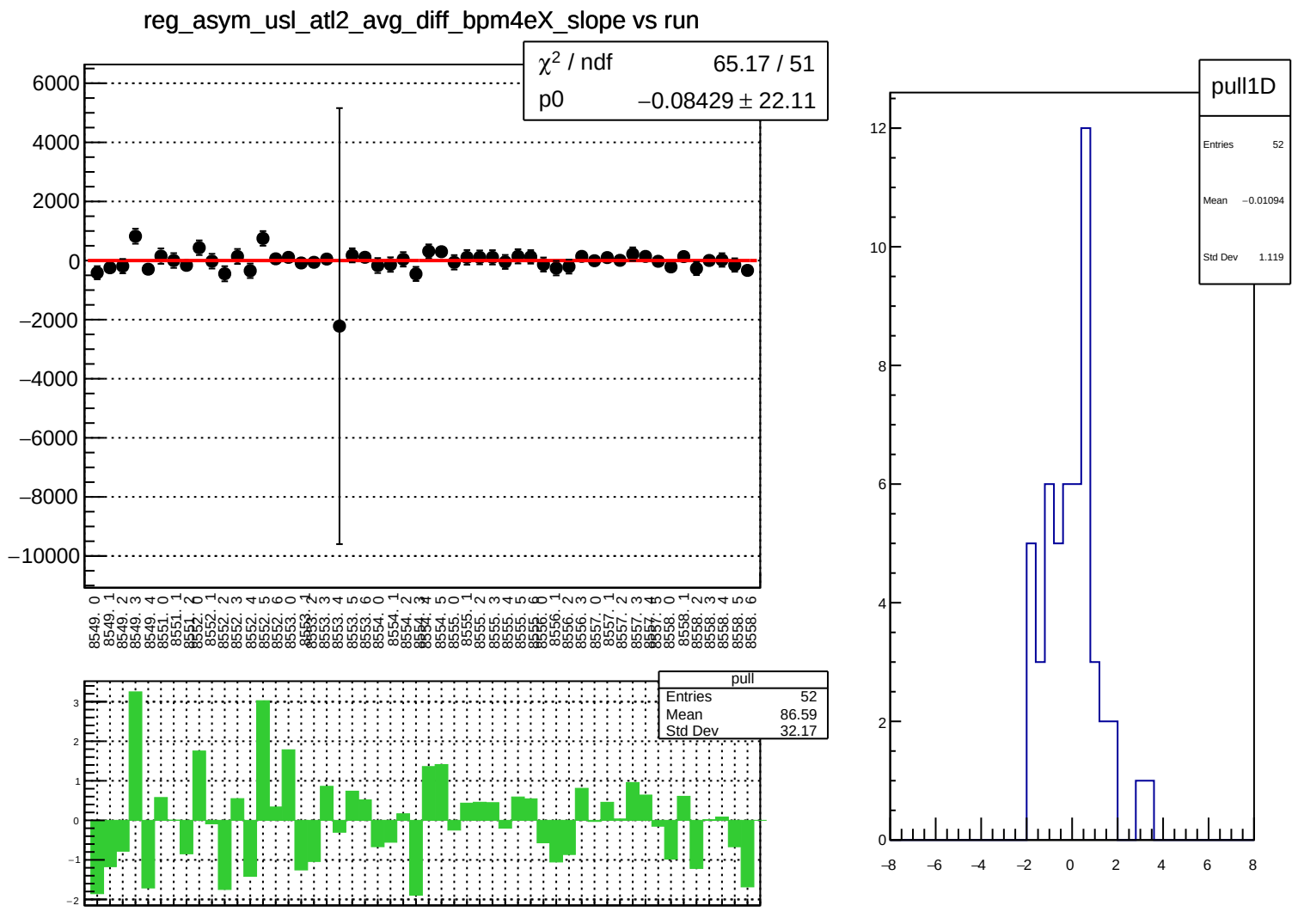

reg_asym_usl_atl1_dd_diff_bpm12X_slope vs run
χ² / ndf 38.15 / 51
p0 −15.87 ± 0.1737
pull
Entries 52
Mean −102.3
Std Dev 0
pull1D
Entries 52
Mean −0.01585
Std Dev 0.8564

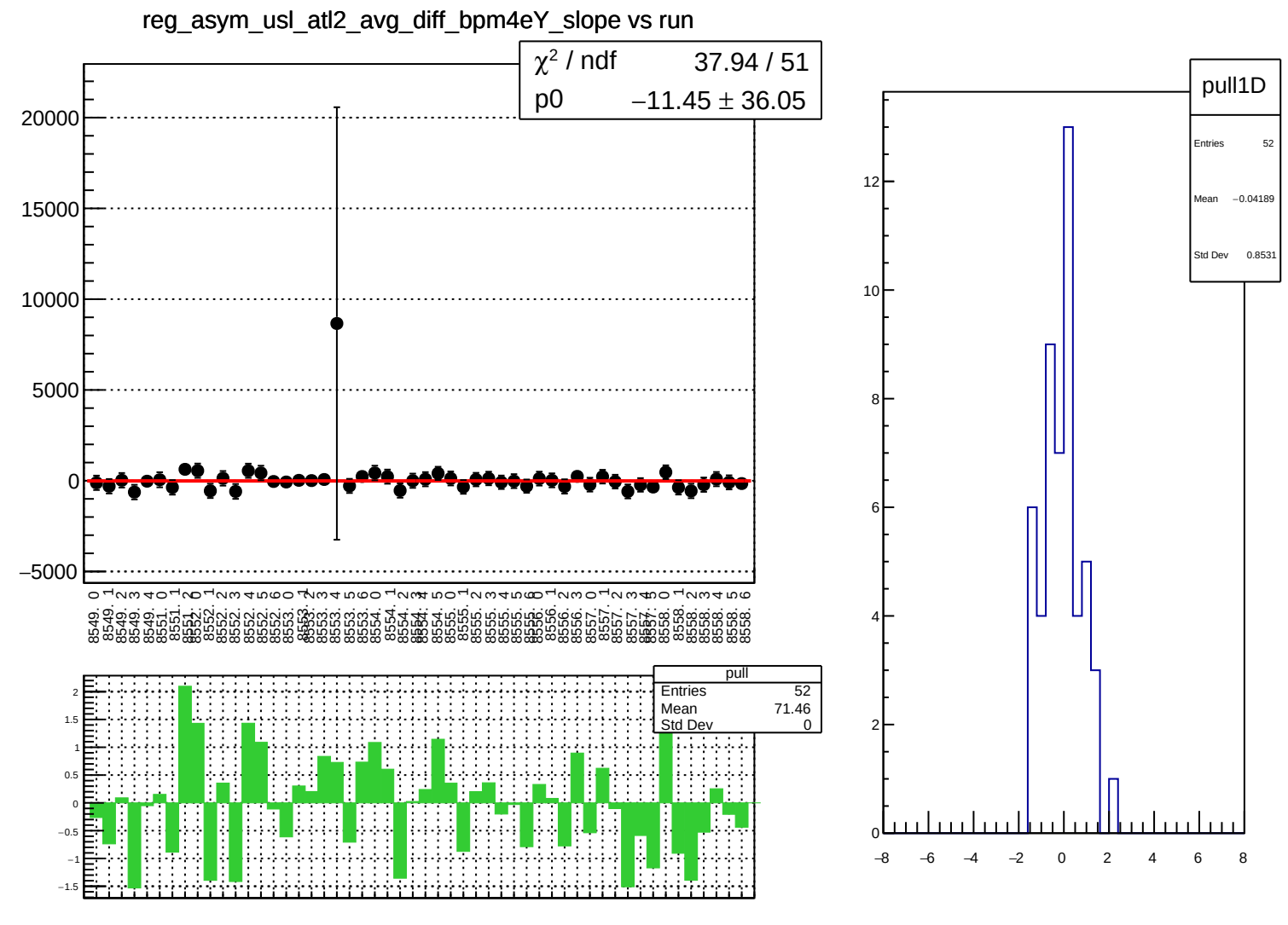

reg_asym_usl_atl2_avg_diff_bpm1X_slope vs run
χ² / ndf 62.46 / 51
p0 −43.11 ± 20.54
pull
Entries 52
Mean 8.376
Std Dev 0

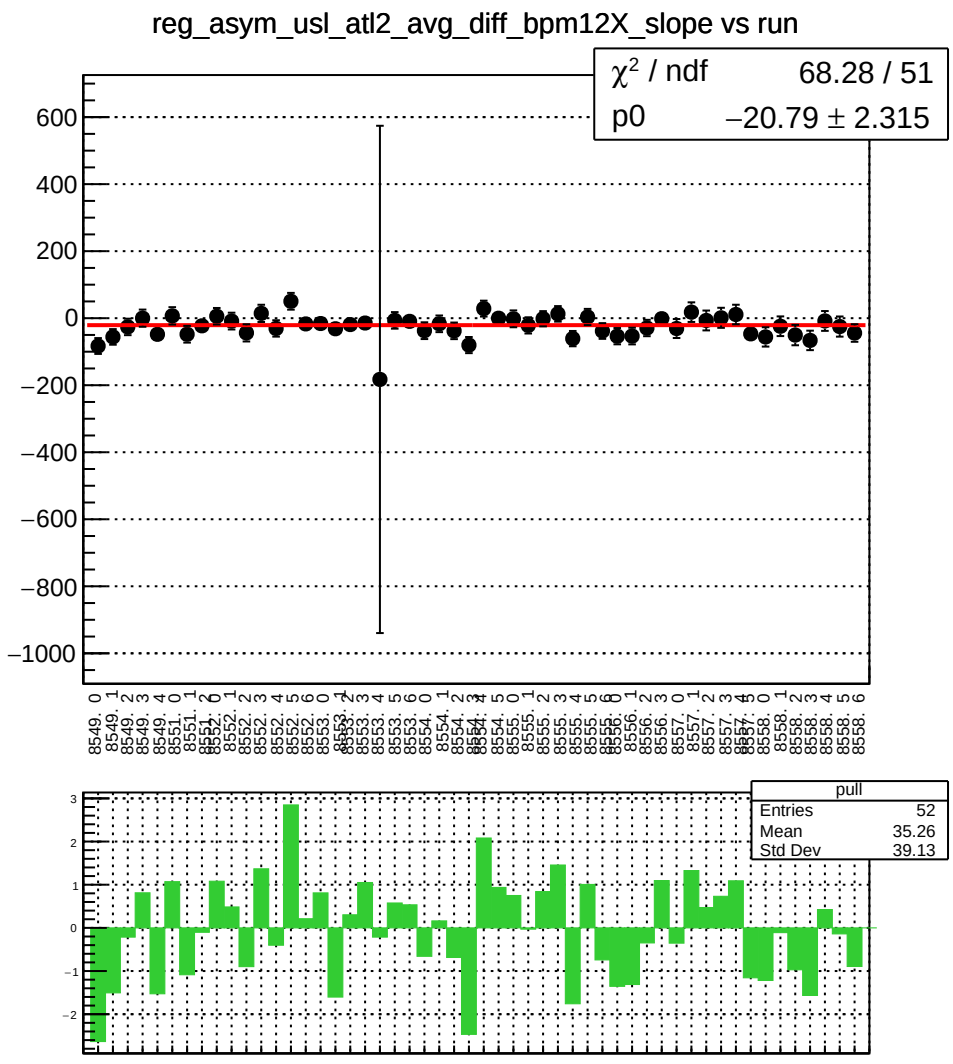

pull1D
Entries 52
Mean −0.03476
Std Dev 1.095

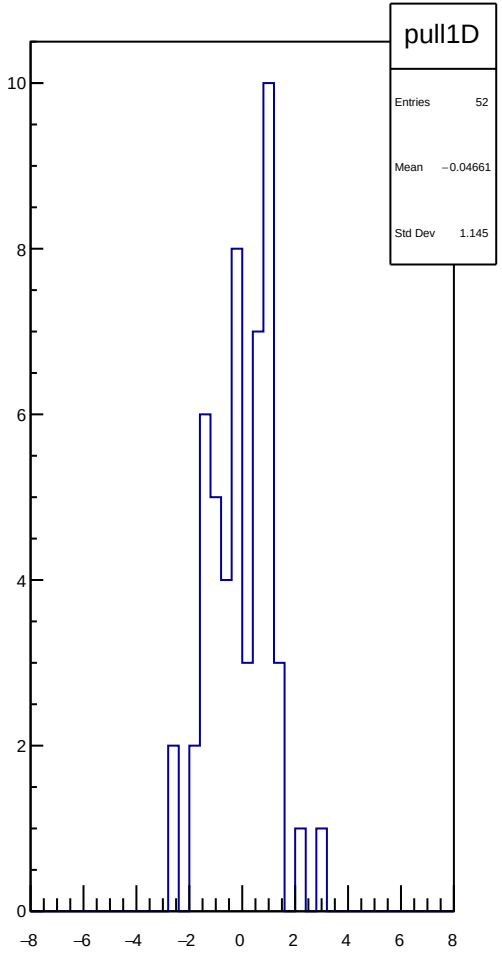

reg_asym_usl_atl2_avg_diff_bpm4aY_slope vs run
χ² / ndf 38.22 / 51
p0 18.06 ± 33.9
0
−5000
−10000
−15000
−20000
pull
Entries 52
Mean 69.99
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2

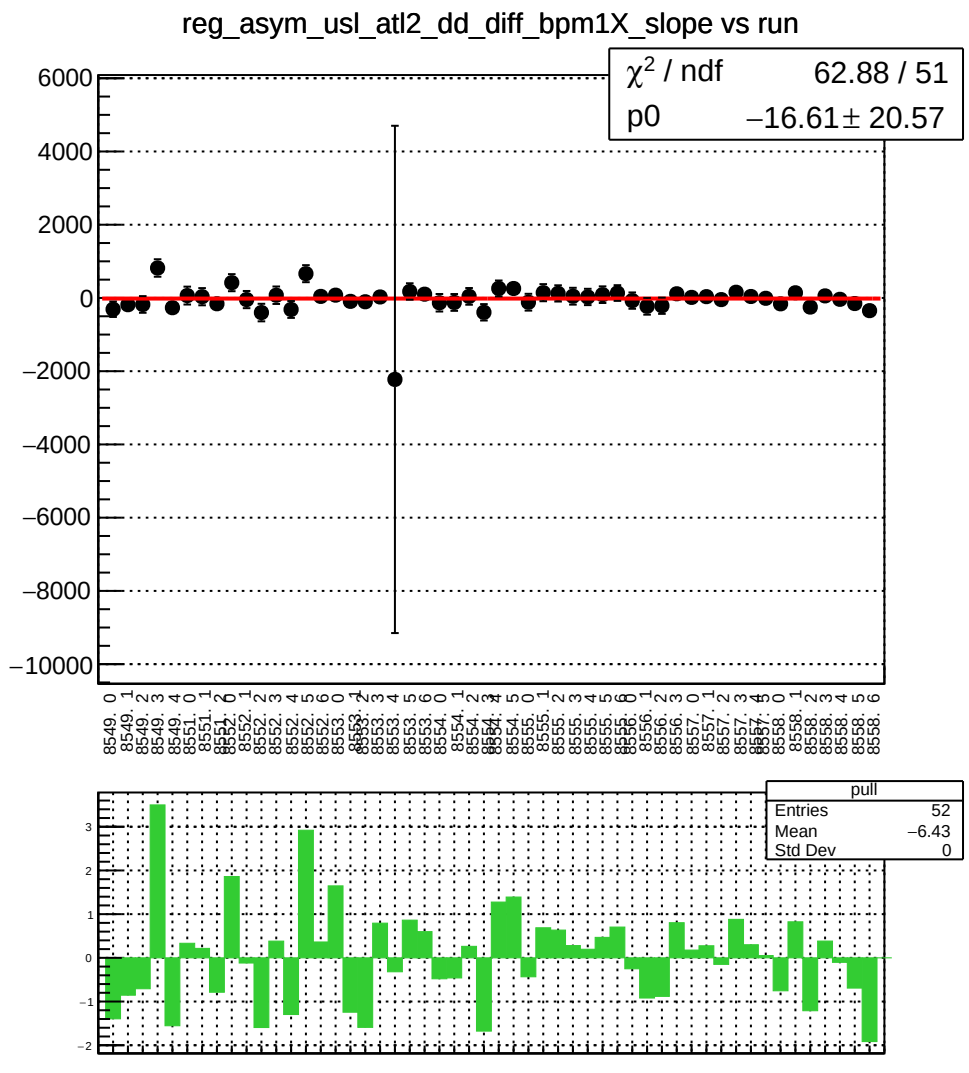

pull1D
Entries 52
Mean 0.0404
Std Dev 0.8564
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

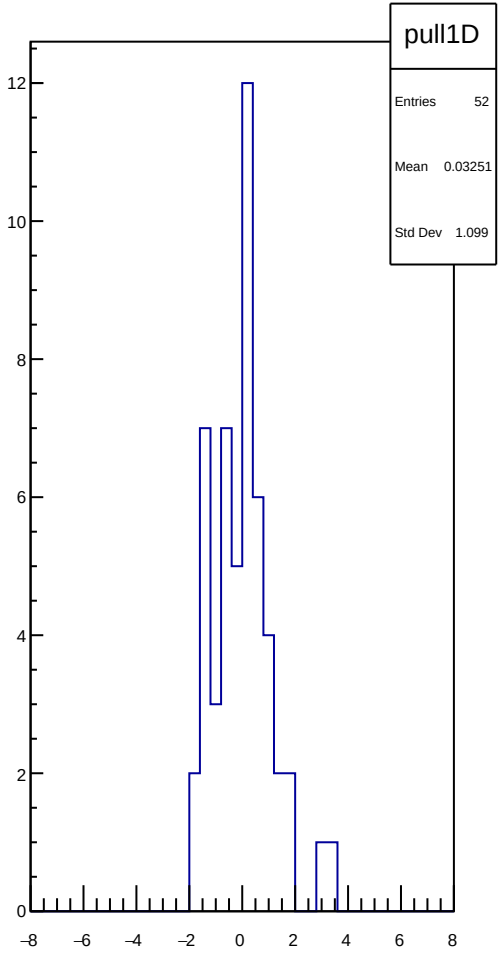

reg_asym_usl_atl2_avg_diff_bpm4eX_slope vs run
χ² / ndf 65.17 / 51
p0 −0.08429 ± 22.11
pull
Entries 52
Mean 86.59
Std Dev 32.17
pull1D
Entries 52
Mean −0.01094
Std Dev 1.119

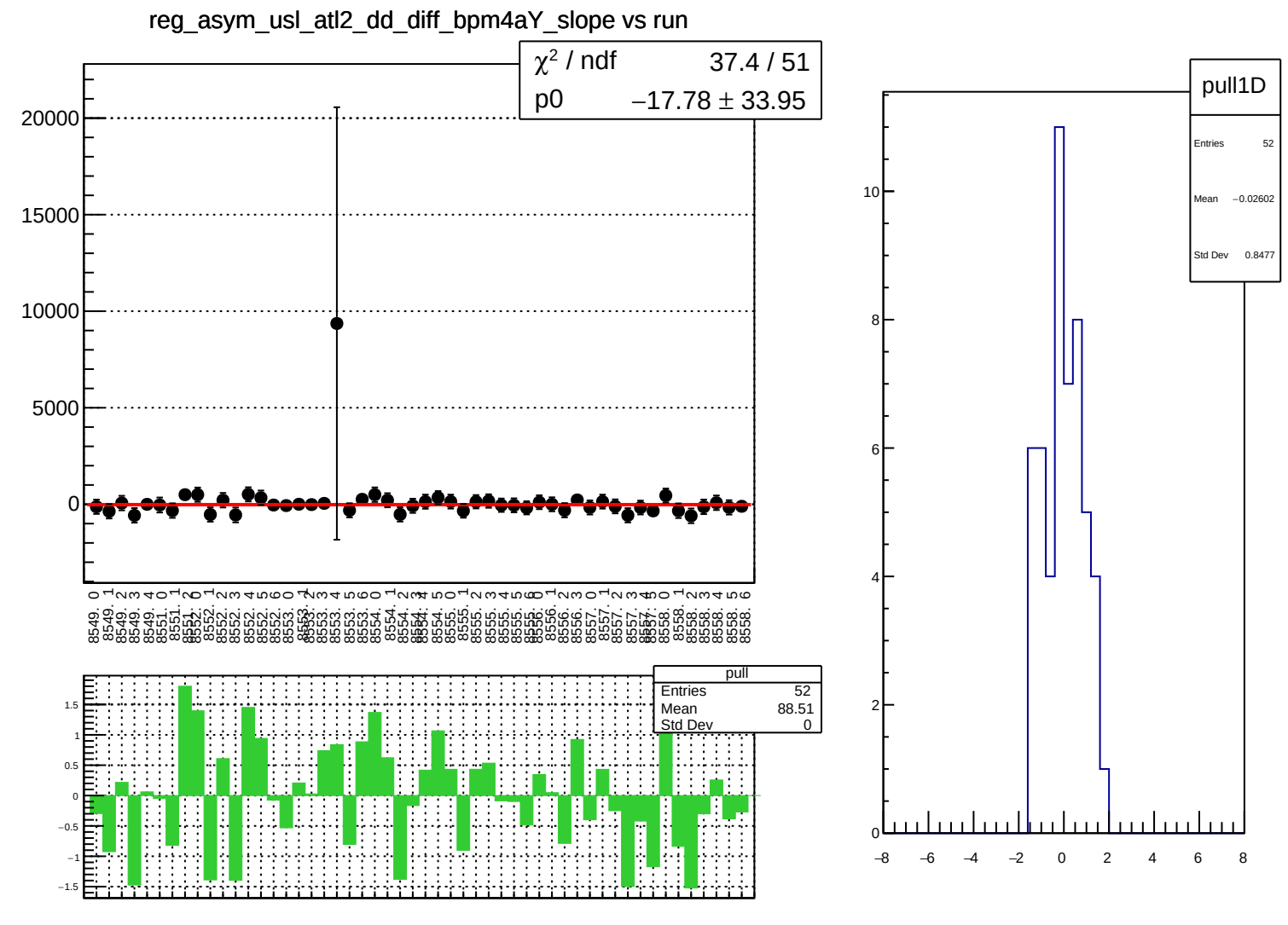

reg_asym_usl_atl2_avg_diff_bpm4eY_slope vs run
χ² / ndf 37.94 / 51
p0 −11.45 ± 36.05
20000
15000
10000
5000
0
−5000
pull
Entries 52
Mean 71.46
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 52
Mean −0.04189
Std Dev 0.8531
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

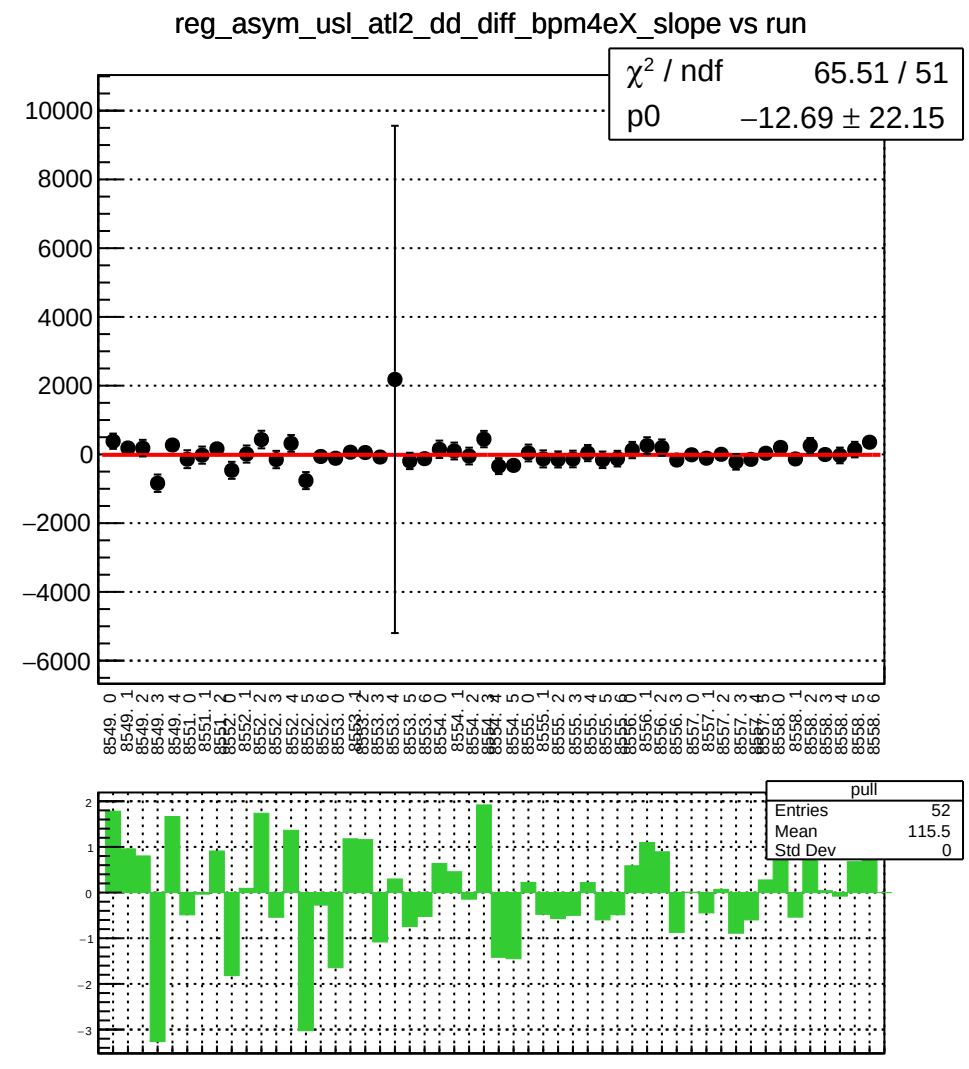

reg_asym_usl_atl2_avg_diff_bpm12X_slope vs run
χ² / ndf 68.28 / 51
p0 −20.79 ± 2.315
pull
Entries 52
Mean 35.26
Std Dev 39.13

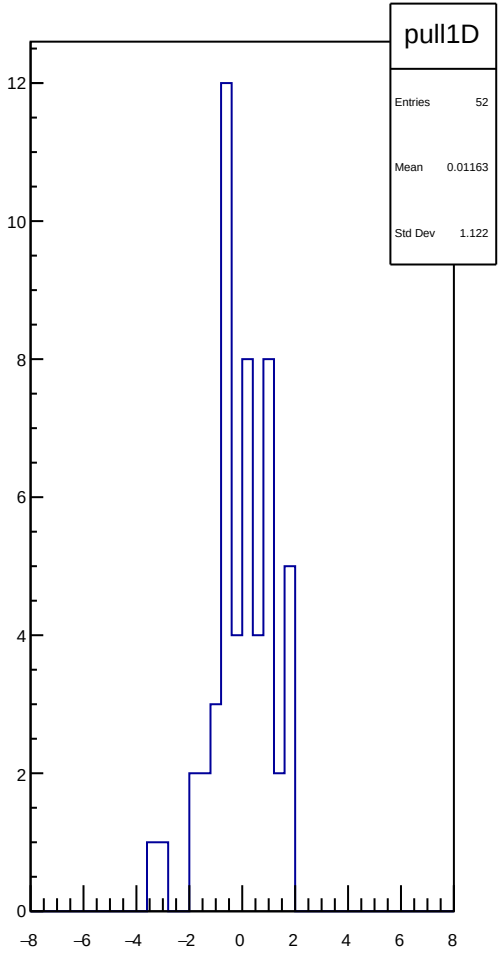

pull1D
Entries 52
Mean −0.04661
Std Dev 1.145

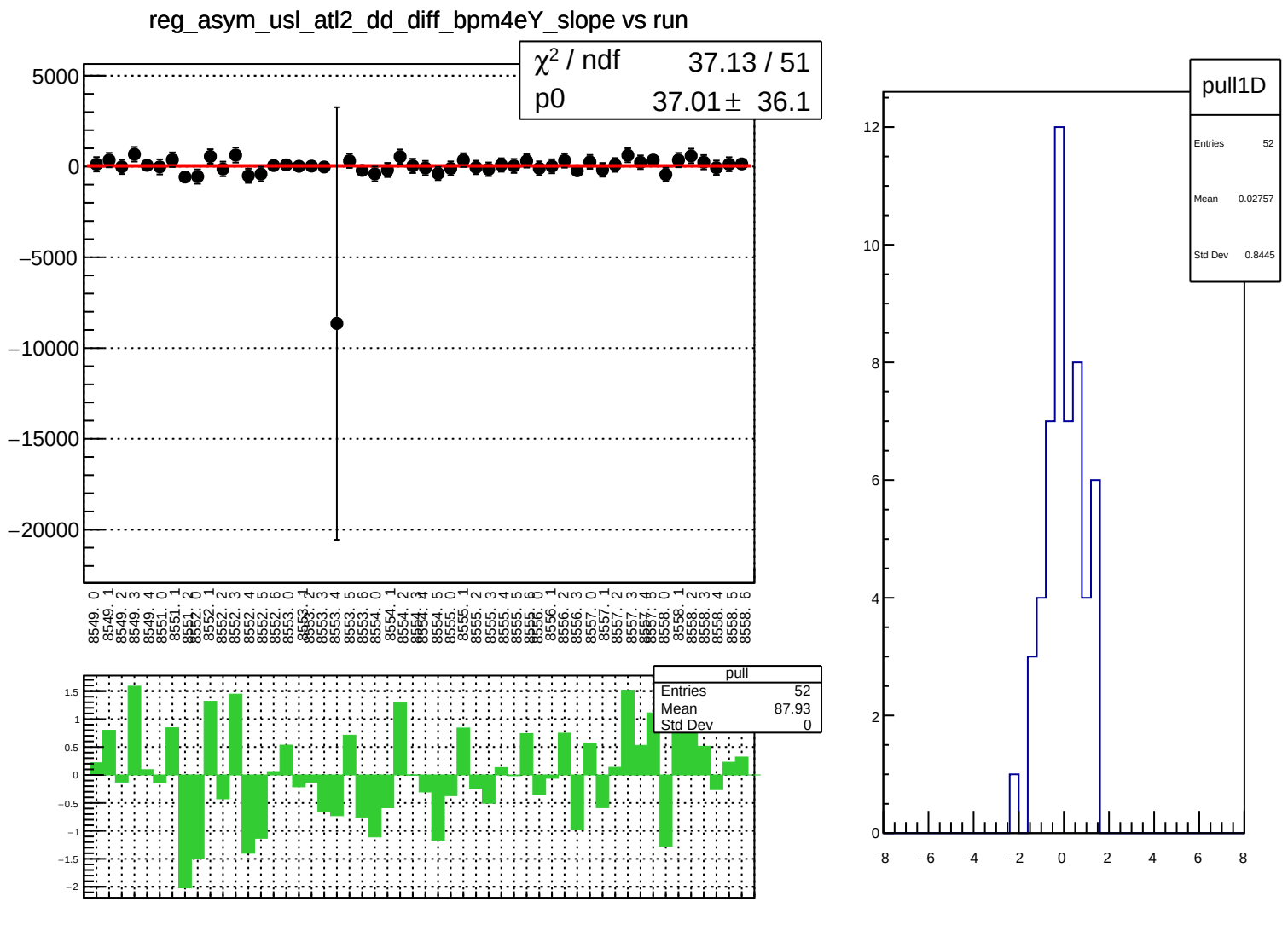

reg_asym_usl_atl2_dd_diff_bpm1X_slope vs run
χ² / ndf 62.88 / 51
p0 −16.61± 20.57
pull
Entries 52
Mean −6.43
Std Dev 0

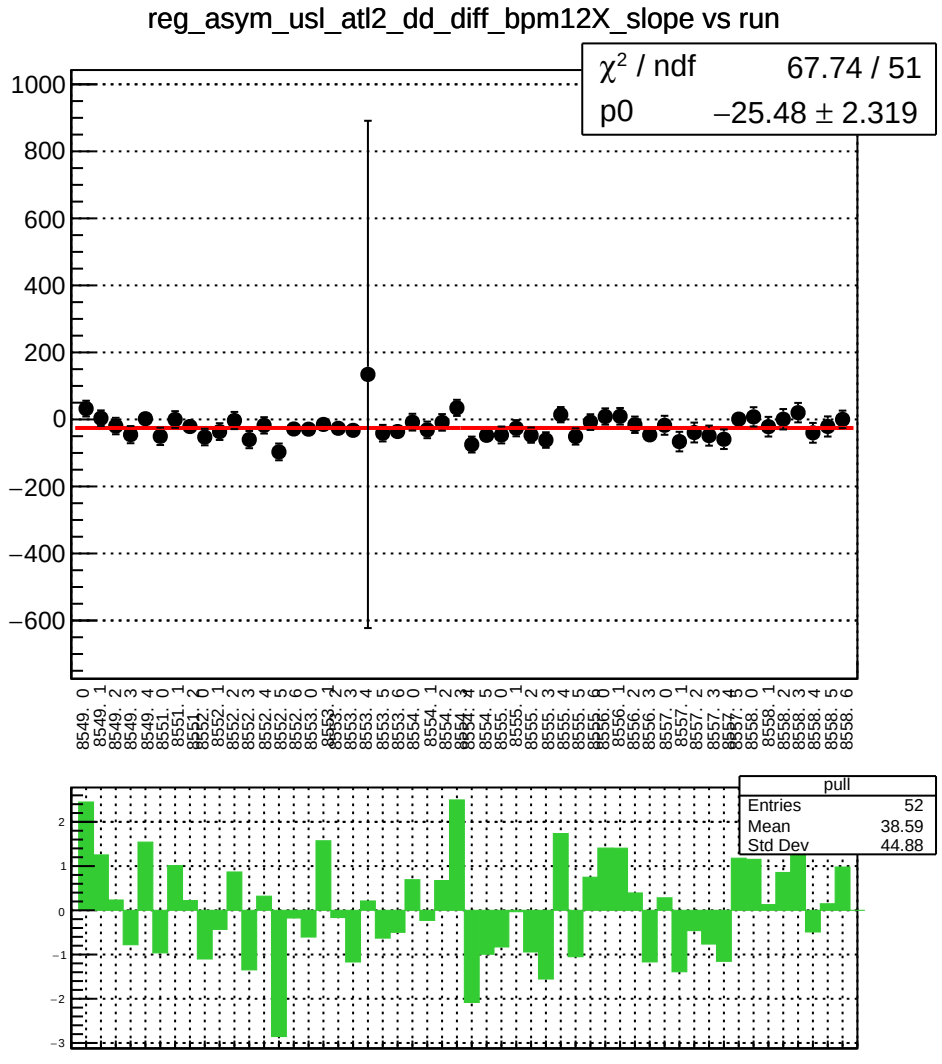

pull1D
Entries 52
Mean 0.03251
Std Dev 1.099

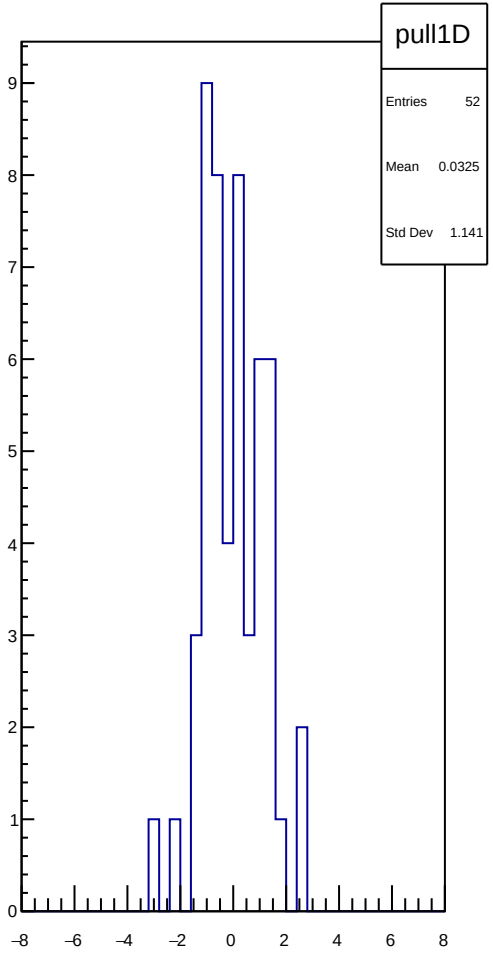

reg_asym_usl_atl2_dd_diff_bpm4aY_slope vs run
χ² / ndf 37.4 / 51
p0 −17.78 ± 33.95
20000
15000
10000
5000
0
pull
Entries 52
Mean 88.51
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 52
Mean −0.02602
Std Dev 0.8477
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

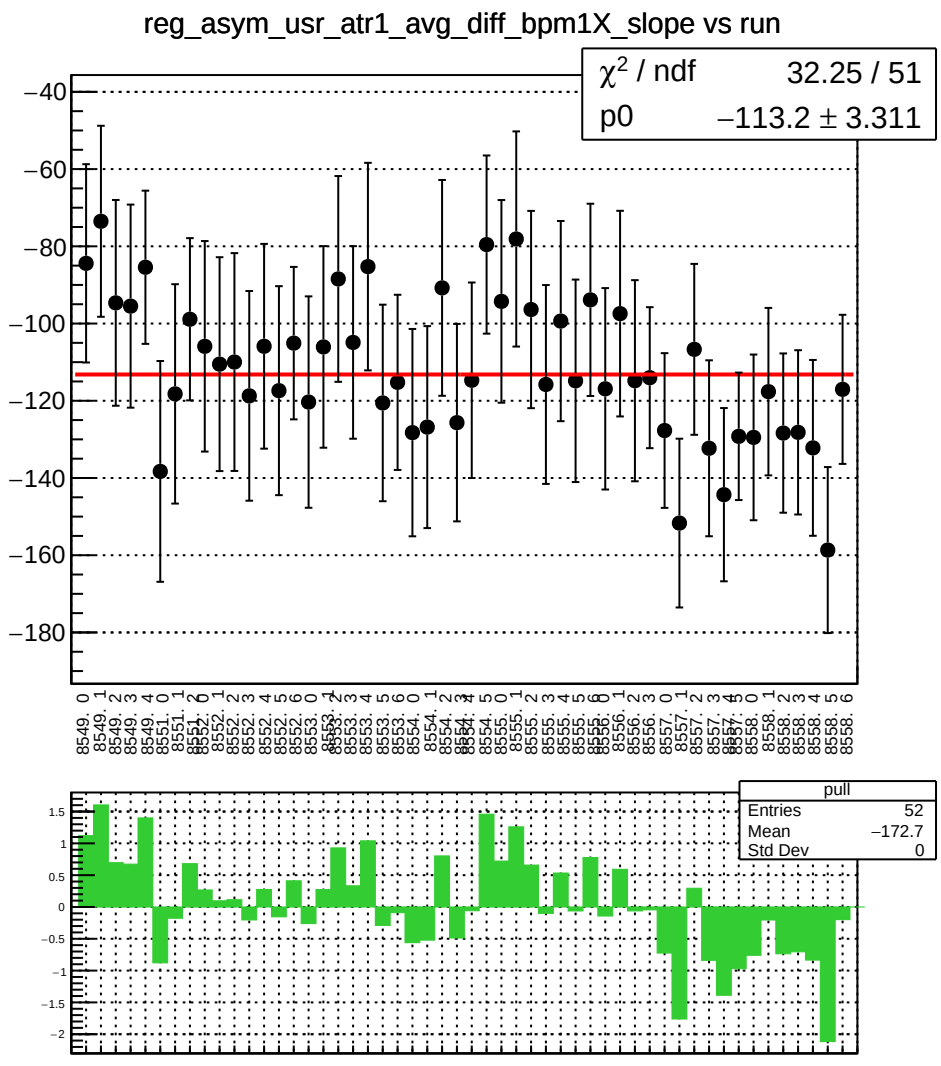

reg_asym_usl_atl2_dd_diff_bpm4eX_slope vs run
χ² / ndf 65.51 / 51
p0 −12.69 ± 22.15
pull
Entries 52
Mean 115.5
Std Dev 0

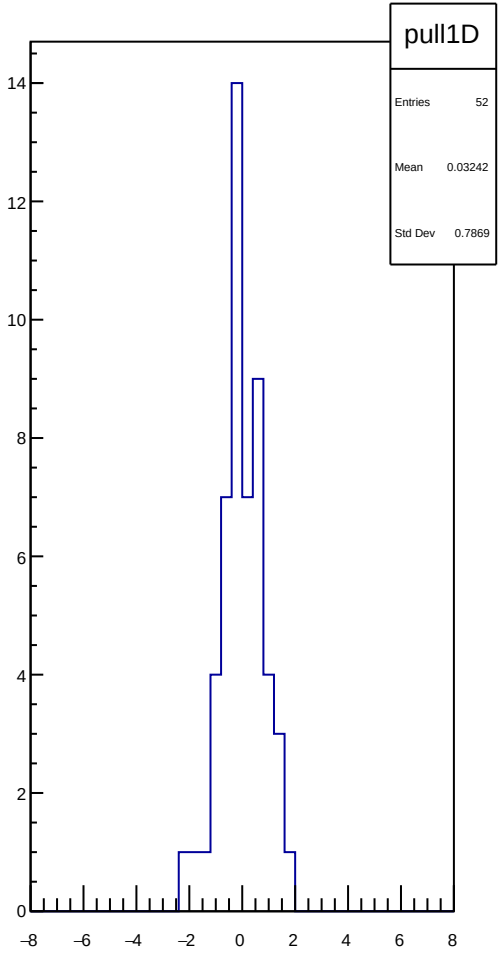

pull1D
Entries 52
Mean 0.01163
Std Dev 1.122

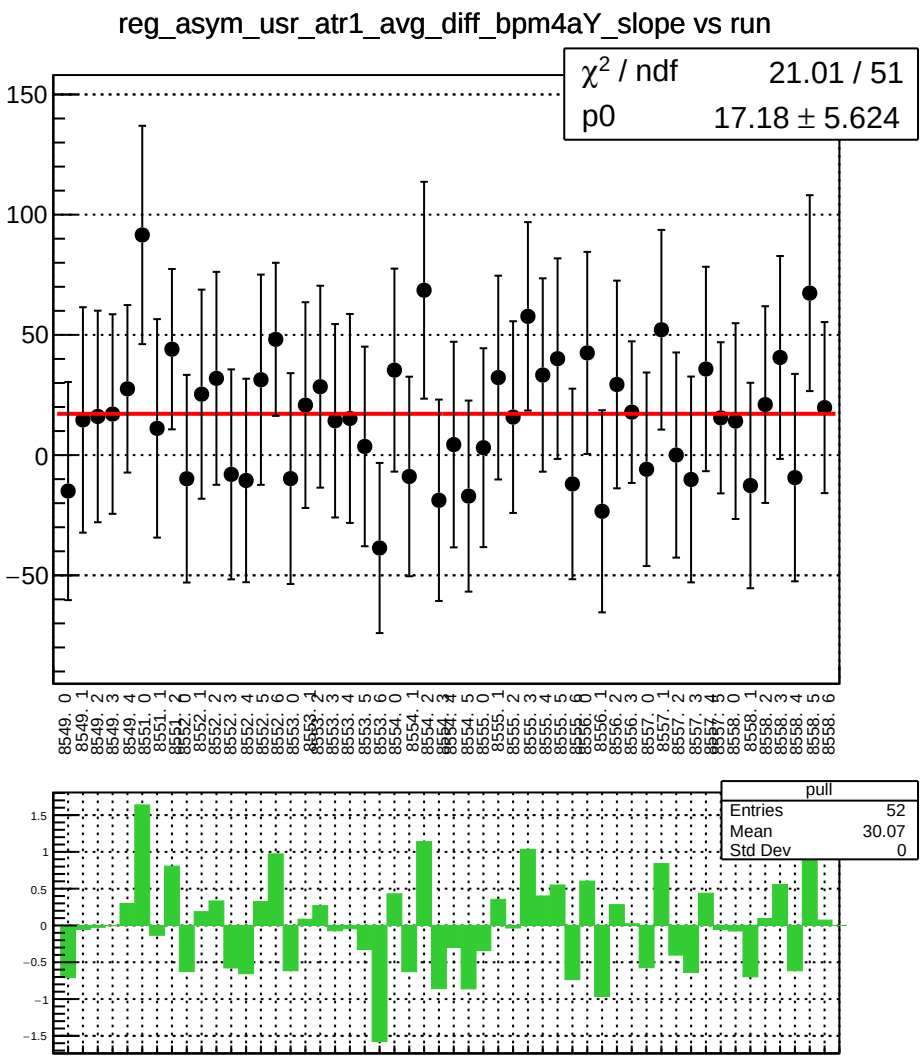

reg_asym_usl_atl2_dd_diff_bpm4eY_slope vs run
χ² / ndf 37.13 / 51
p0 37.01 ± 36.1
5000
0
−5000
−10000
−15000
−20000
pull
Entries 52
Mean 87.93
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 52
Mean 0.02757
Std Dev 0.8445
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

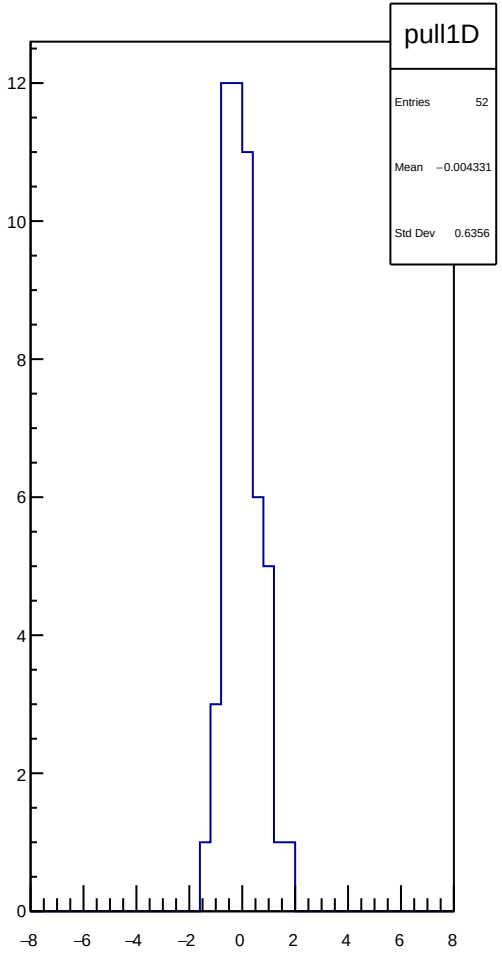

reg_asym_usl_atl2_dd_diff_bpm12X_slope vs run
χ² / ndf 67.74 / 51
p0 −25.48 ± 2.319
pull
Entries 52
Mean 38.59
Std Dev 44.88

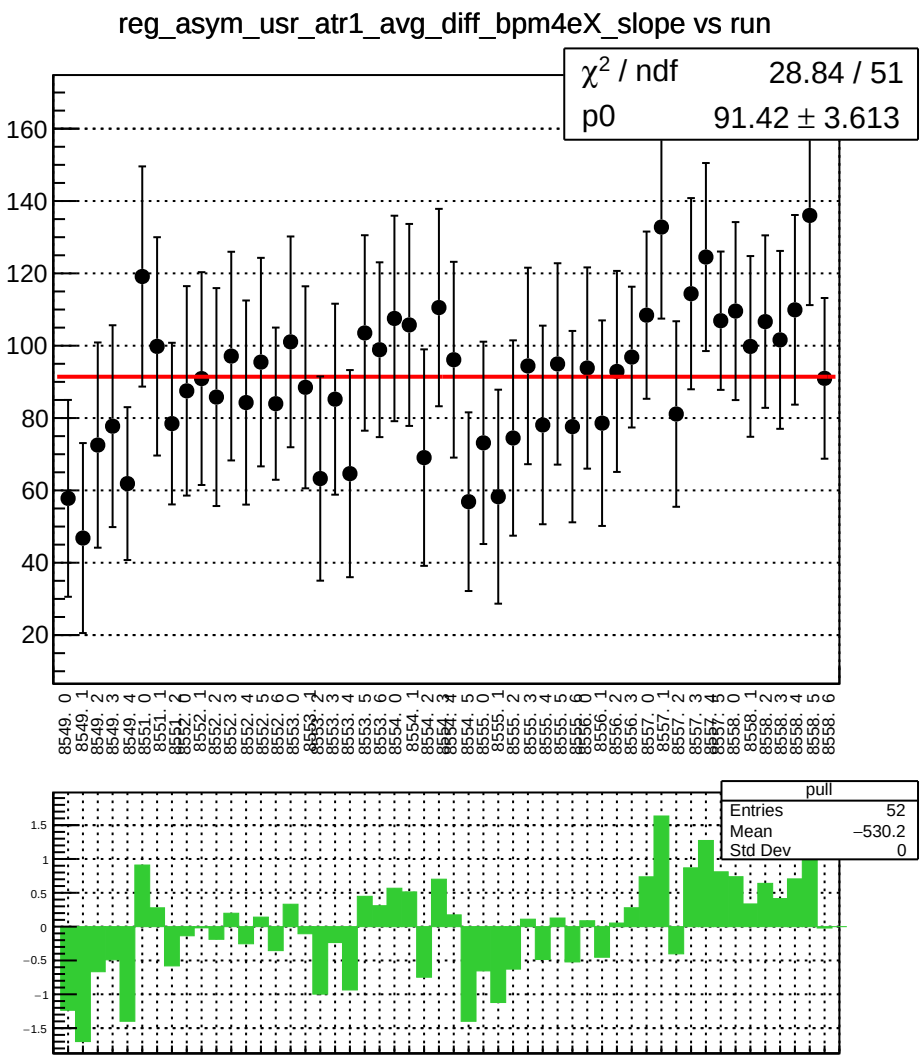

pull1D
Entries 52
Mean 0.0325
Std Dev 1.141

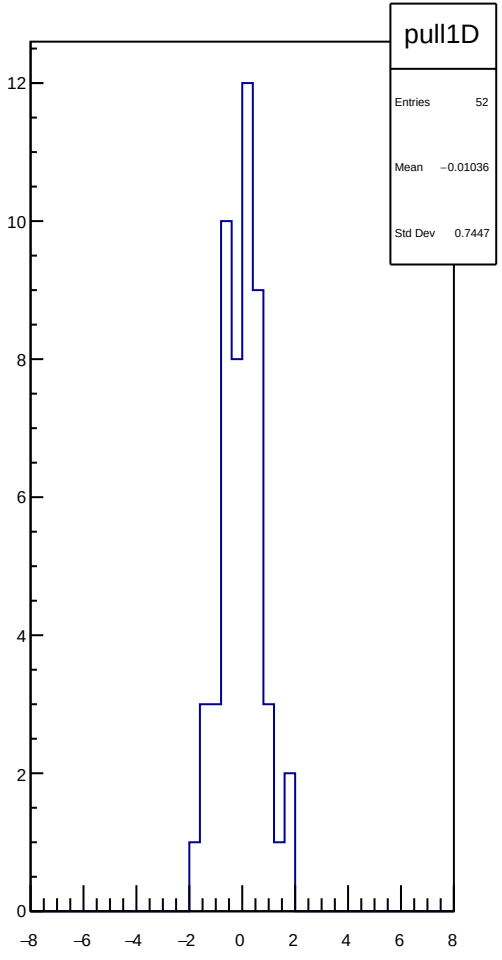

reg_asym_usr_atr1_avg_diff_bpm1X_slope vs run
χ² / ndf 32.25 / 51
p0 −113.2 ± 3.311
pull
Entries 52
Mean −172.7
Std Dev 0

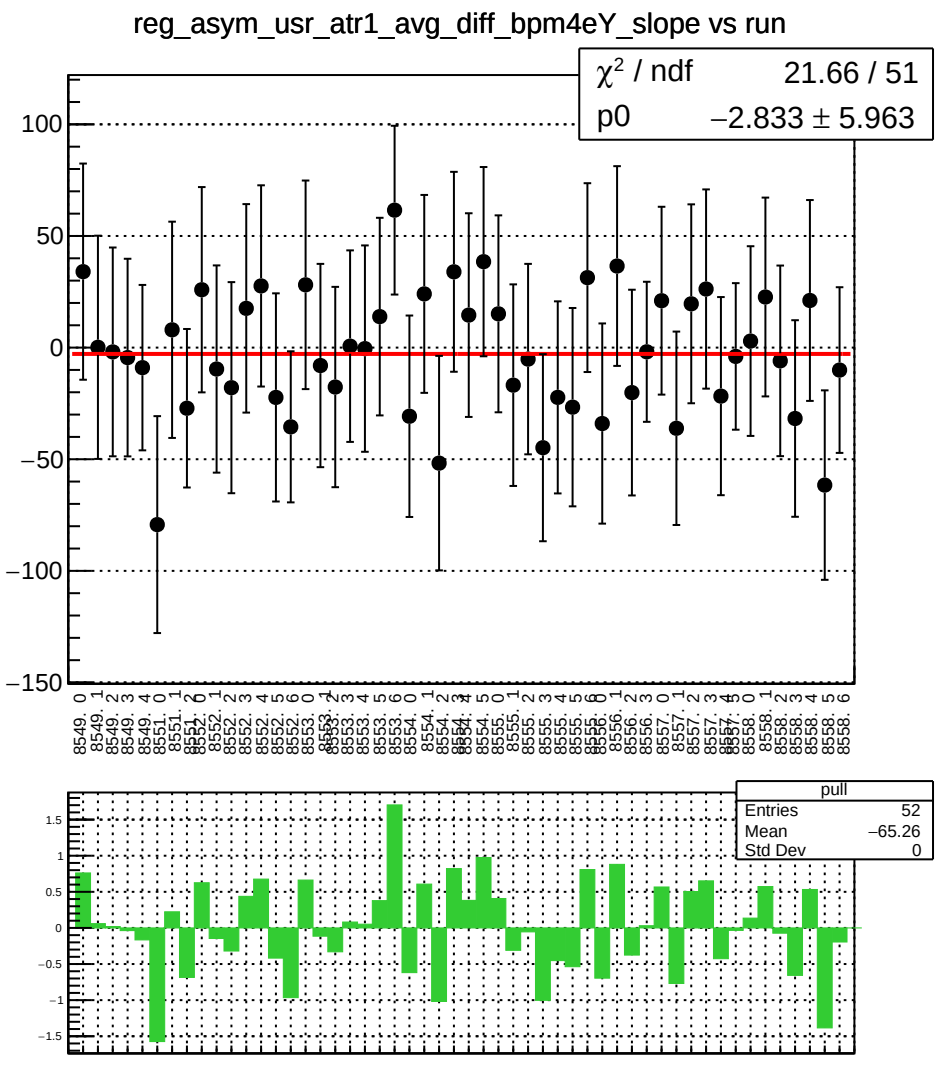

pull1D
Entries 52
Mean 0.03242
Std Dev 0.7869

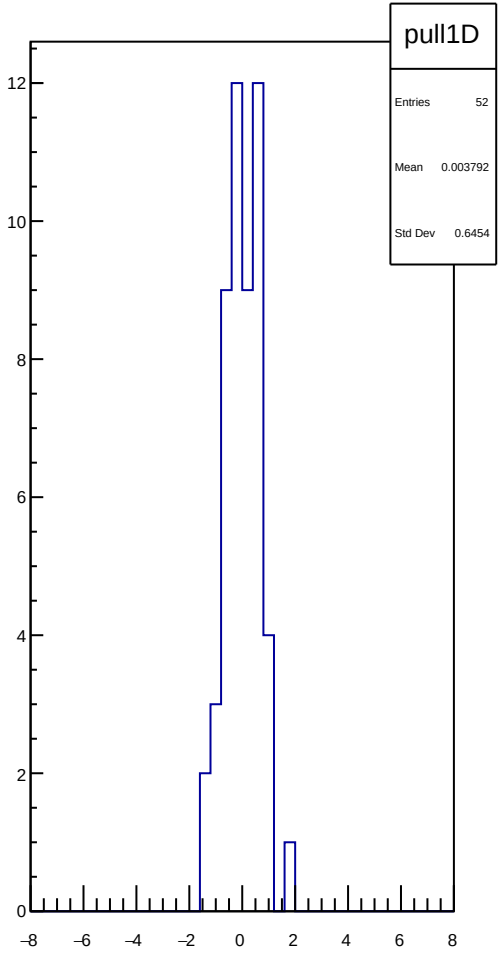

reg_asym_usr_atr1_avg_diff_bpm4aY_slope vs run
χ² / ndf 21.01 / 51
p0 17.18 ± 5.624
pull
Entries 52
Mean 30.07
Std Dev 0

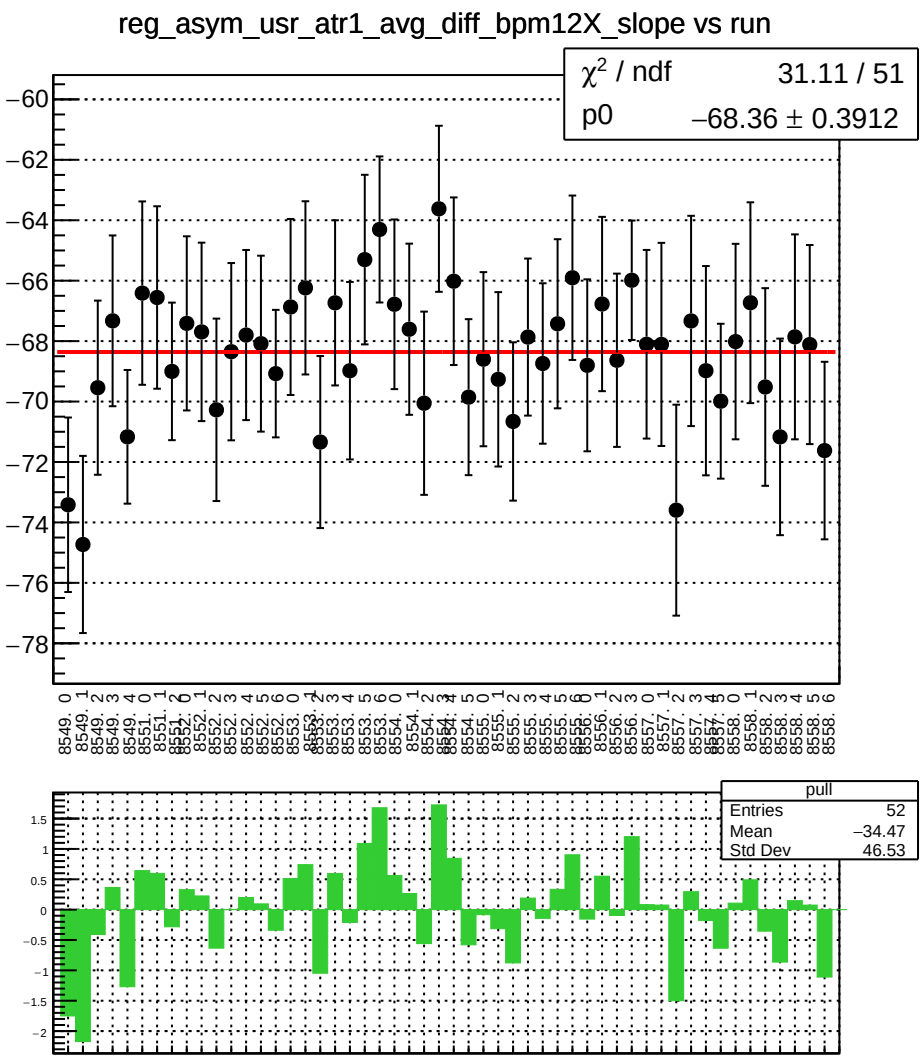

pull1D
Entries 52
Mean −0.004331
Std Dev 0.6356

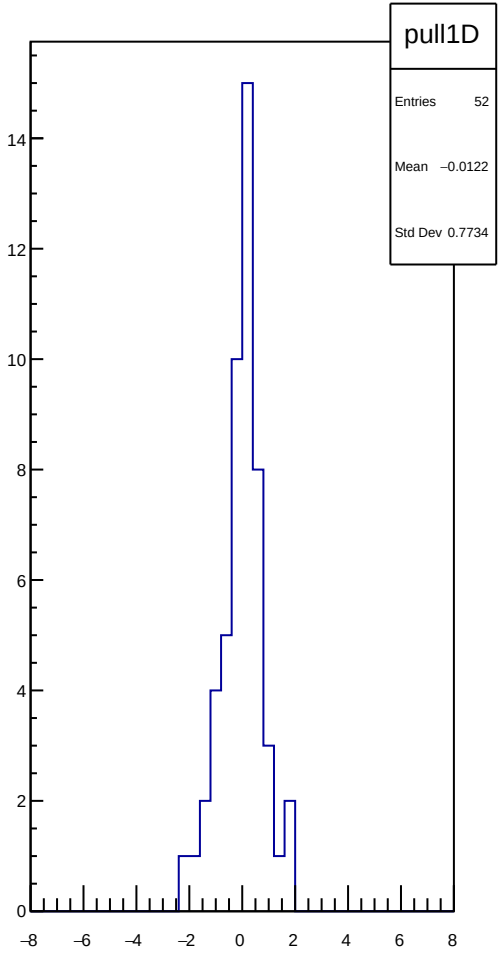

reg_asym_usr_atr1_avg_diff_bpm4eX_slope vs run
χ² / ndf 28.84 / 51
p0 91.42 ± 3.613
pull
Entries 52
Mean −530.2
Std Dev 0

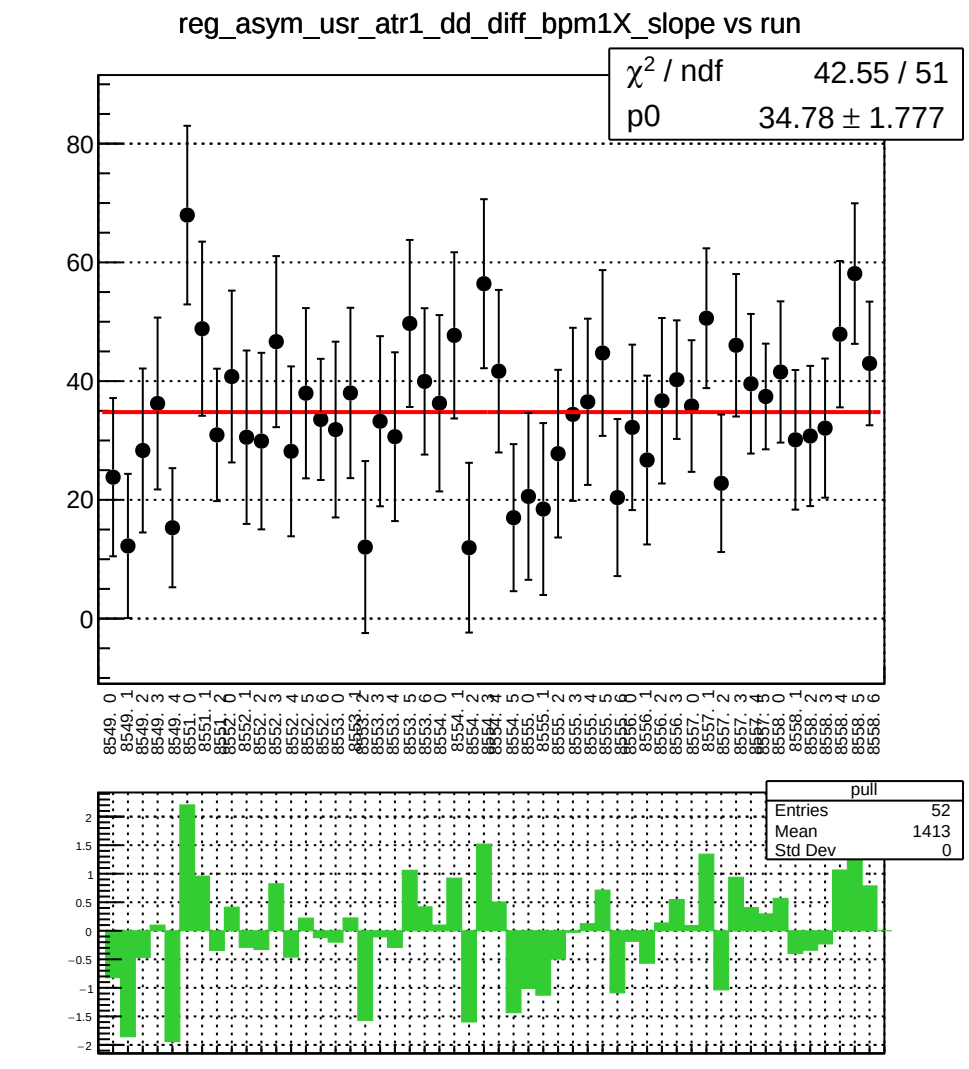

pull1D
Entries 52
Mean −0.01036
Std Dev 0.7447

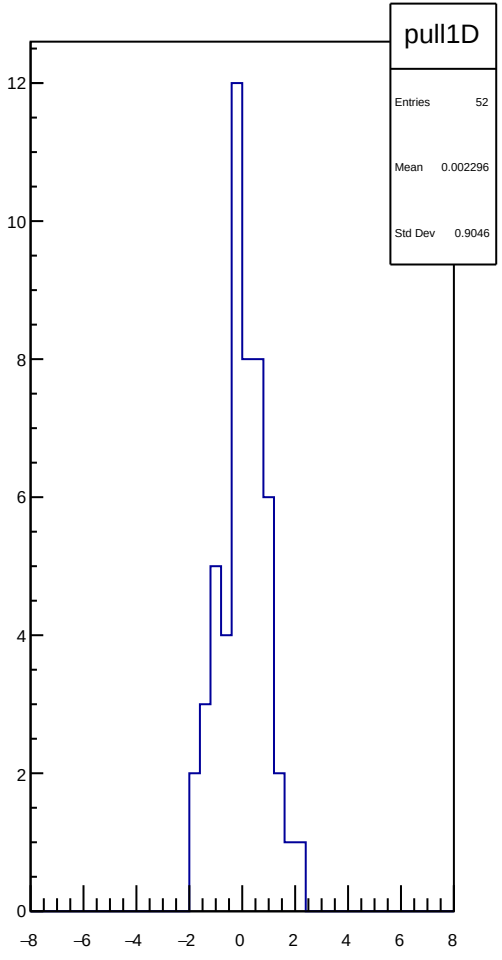

reg_asym_usr_atr1_avg_diff_bpm4eY_slope vs run
χ² / ndf 21.66 / 51
p0 −2.833 ± 5.963
pull
Entries 52
Mean −65.26
Std Dev 0

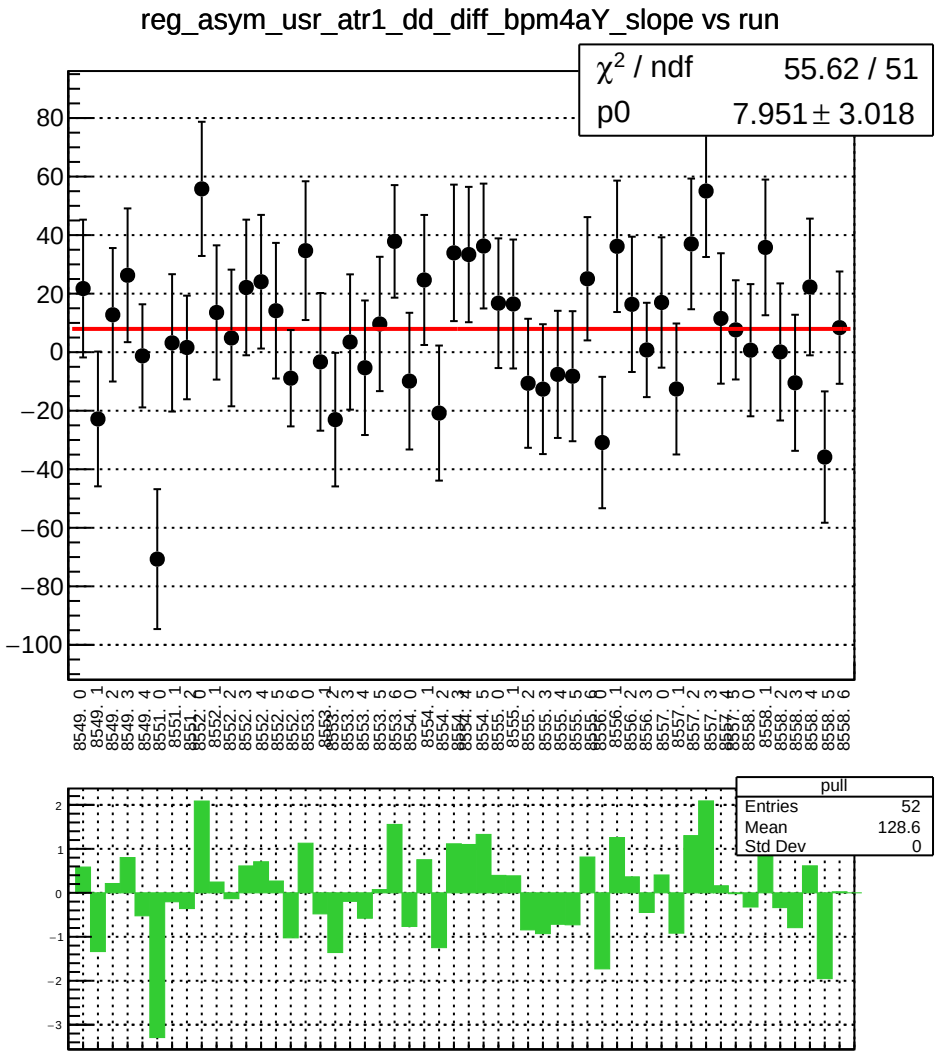

pull1D
Entries 52
Mean 0.003792
Std Dev 0.6454

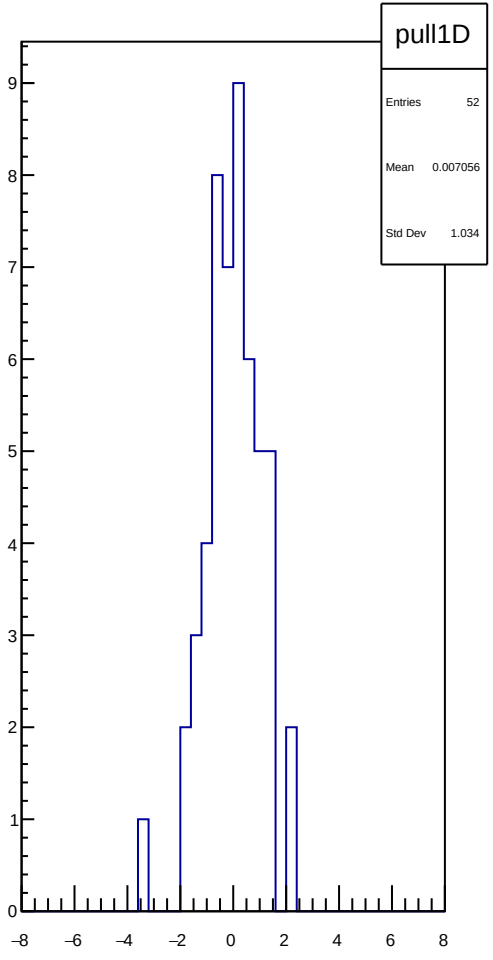

reg_asym_usr_atr1_avg_diff_bpm12X_slope vs run
χ² / ndf 31.11 / 51
p0 −68.36 ± 0.3912
pull
Entries 52
Mean −34.47
Std Dev 46.53

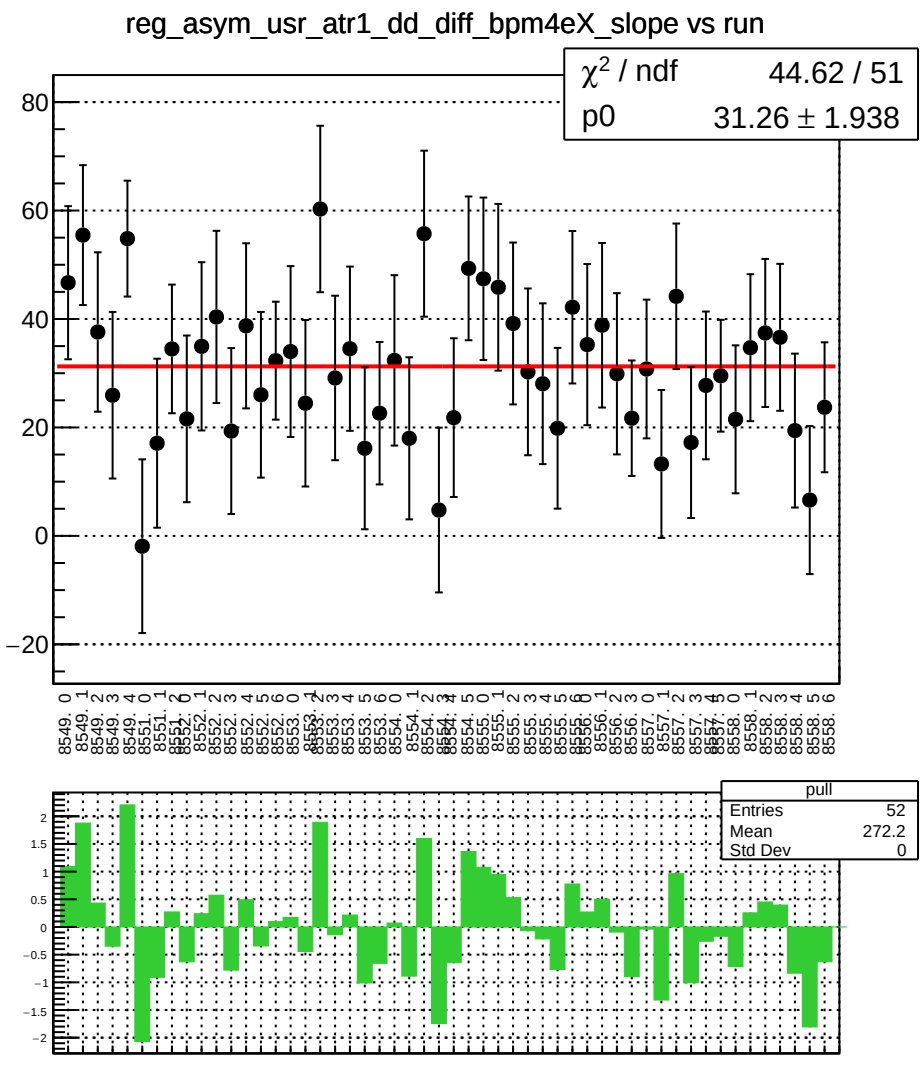

pull1D
Entries 52
Mean −0.0122
Std Dev 0.7734

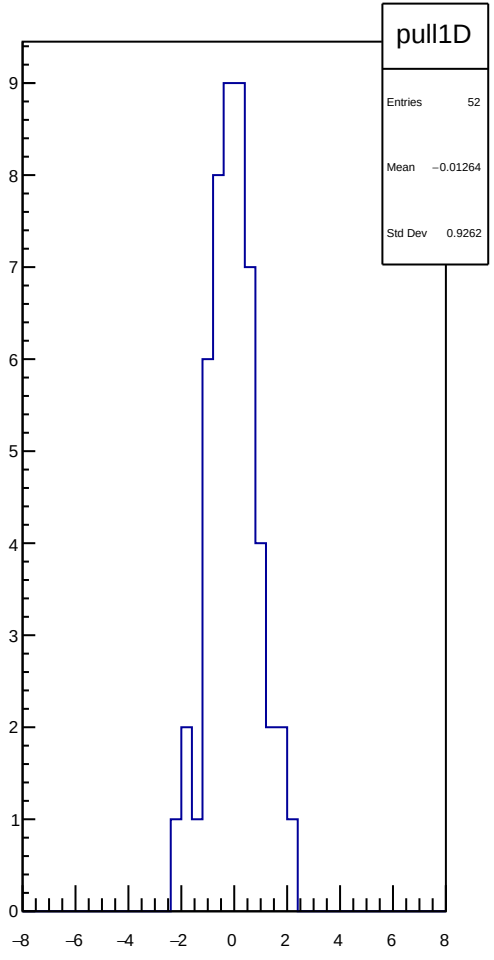

reg_asym_usr_atr1_dd_diff_bpm1X_slope vs run
χ² / ndf 42.55 / 51
p0 34.78 ± 1.777
pull
Entries 52
Mean 1413
Std Dev 0

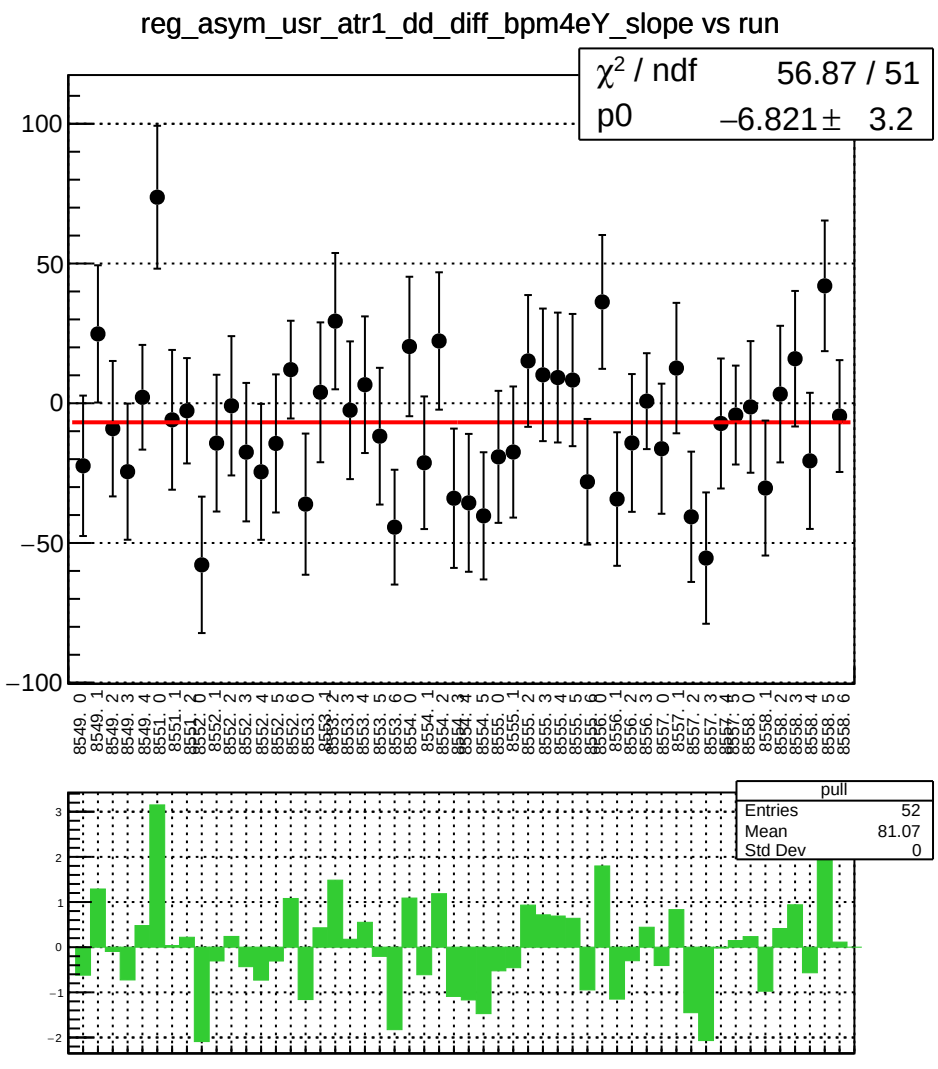

pull1D
Entries 52
Mean 0.002296
Std Dev 0.9046

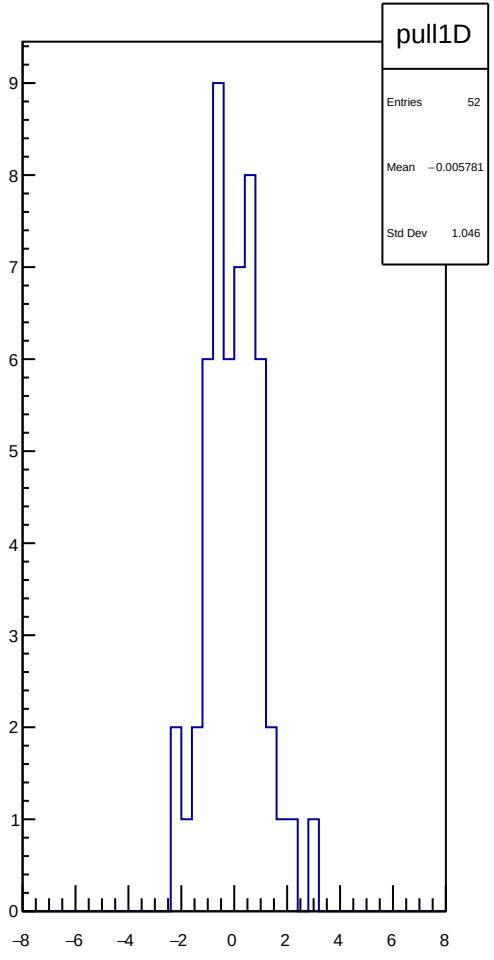

reg_asym_usr_atr1_dd_diff_bpm4aY_slope vs run
χ² / ndf 55.62 / 51
p0 7.951 ± 3.018
pull
Entries 52
Mean 128.6
Std Dev 0

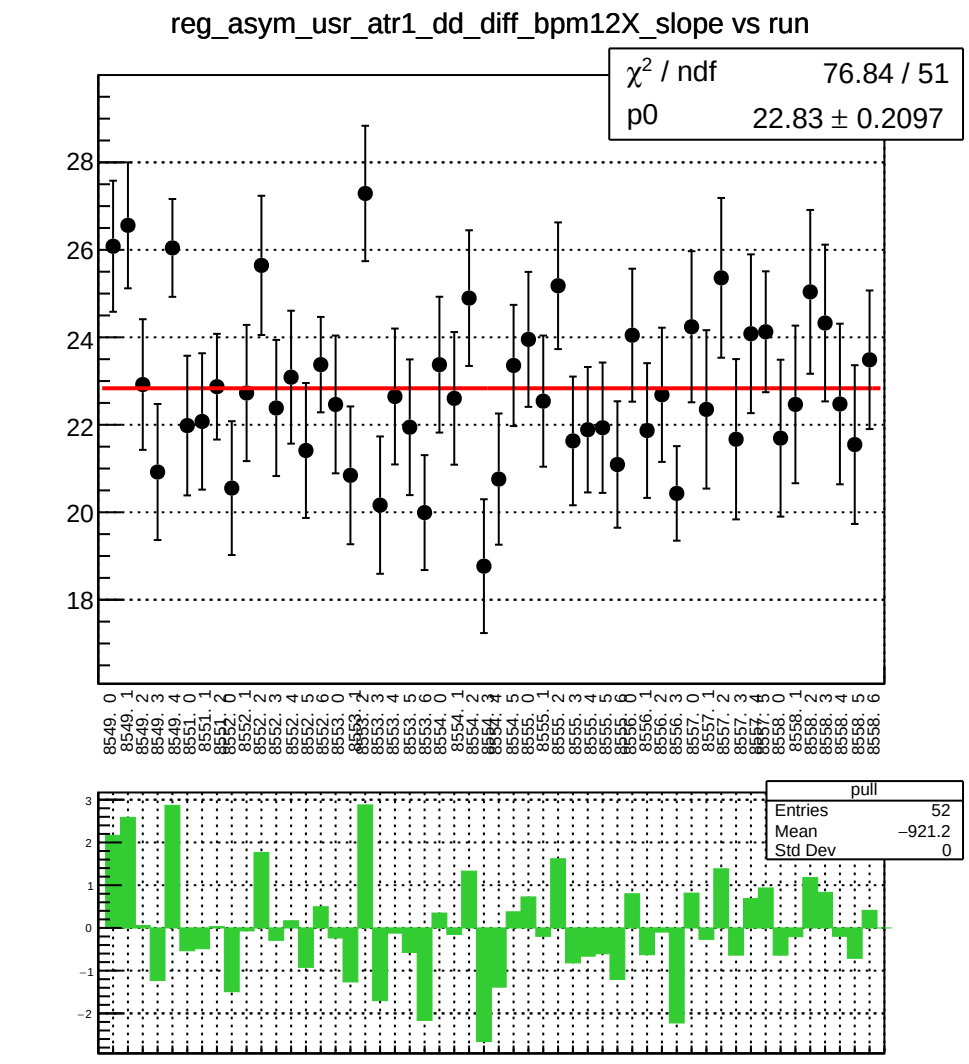

pull1D
Entries 52
Mean 0.007056
Std Dev 1.034

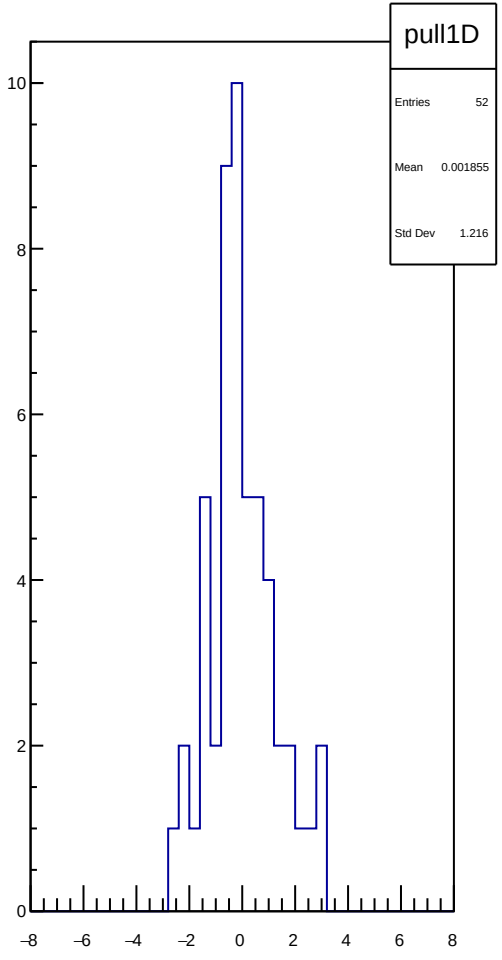

reg_asym_usr_atr1_dd_diff_bpm4eX_slope vs run
χ² / ndf 44.62 / 51
p0 31.26 ± 1.938
pull
Entries 52
Mean 272.2
Std Dev 0

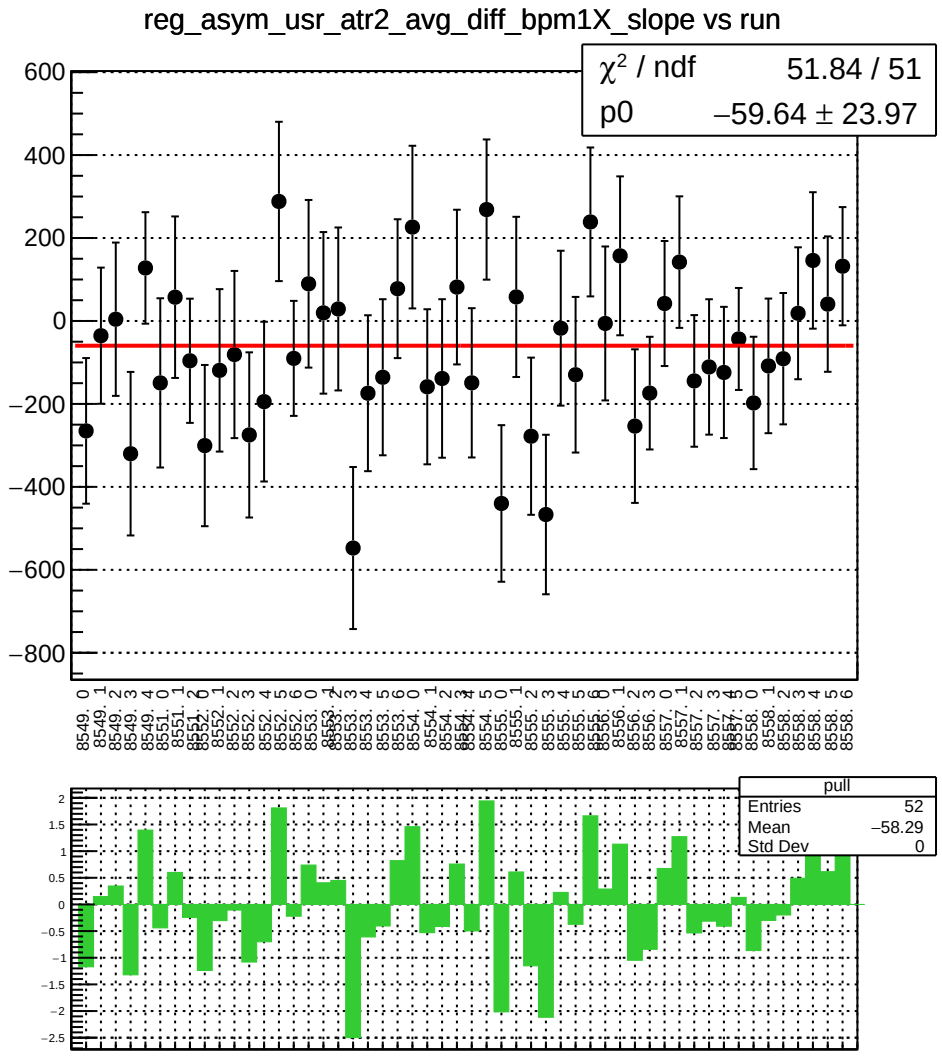

pull1D
Entries 52
Mean −0.01264
Std Dev 0.9262

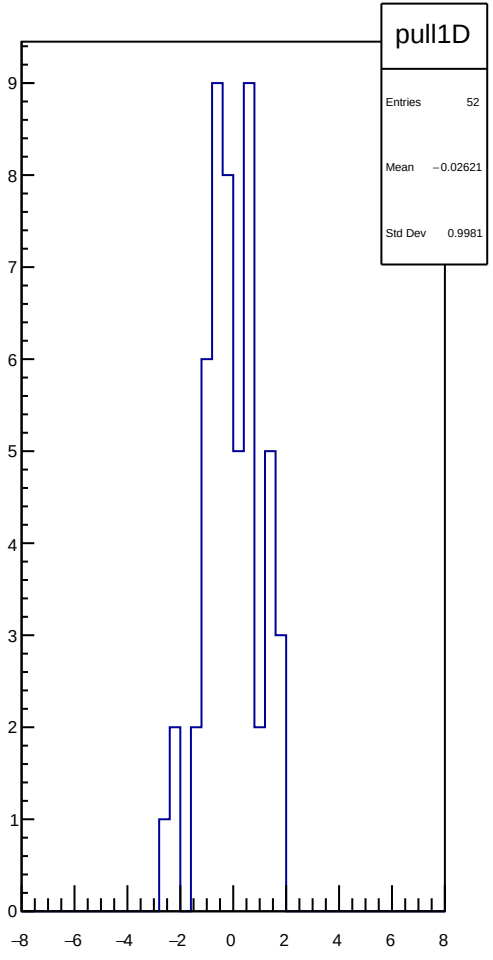

reg_asym_usr_atr1_dd_diff_bpm4eY_slope vs run
χ² / ndf 56.87 / 51
p0 −6.821 ± 3.2
pull
Entries 52
Mean 81.07
Std Dev 0

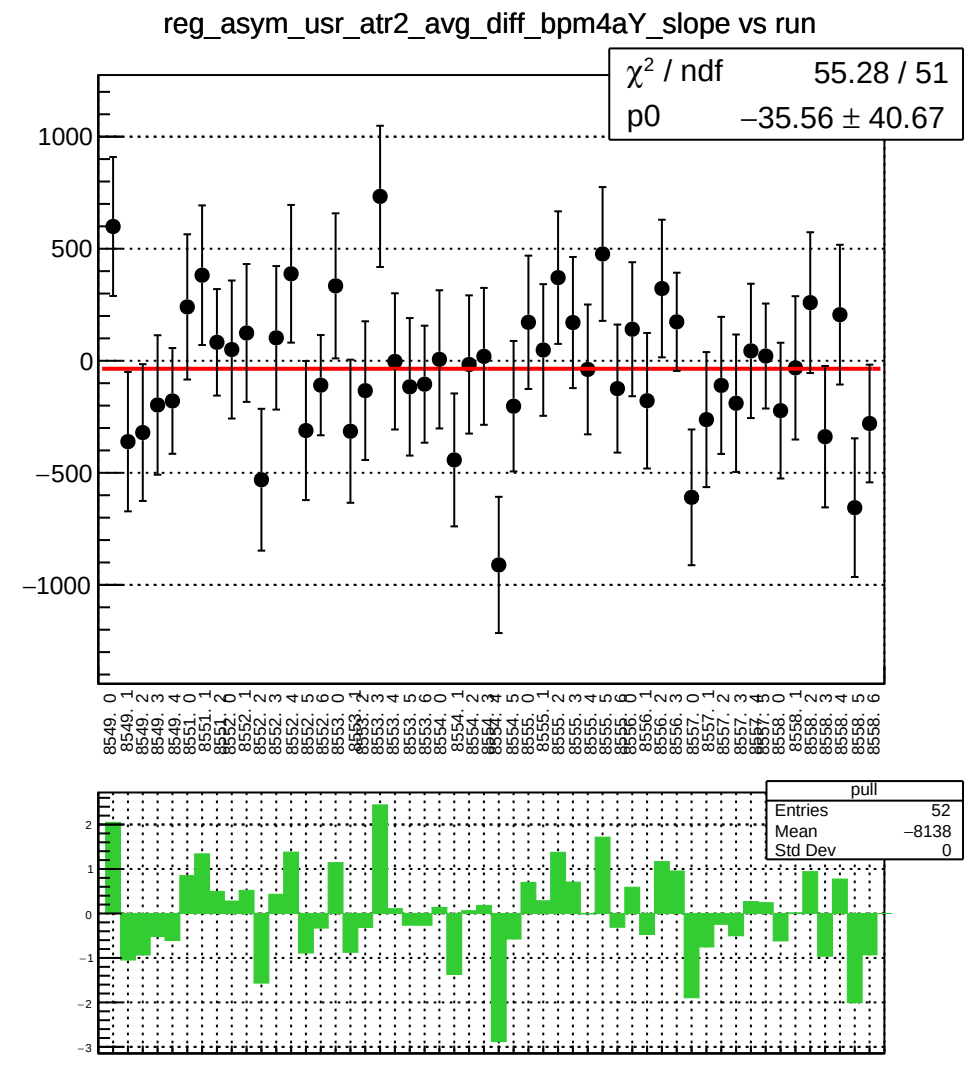

pull1D
Entries 52
Mean −0.005781
Std Dev 1.046

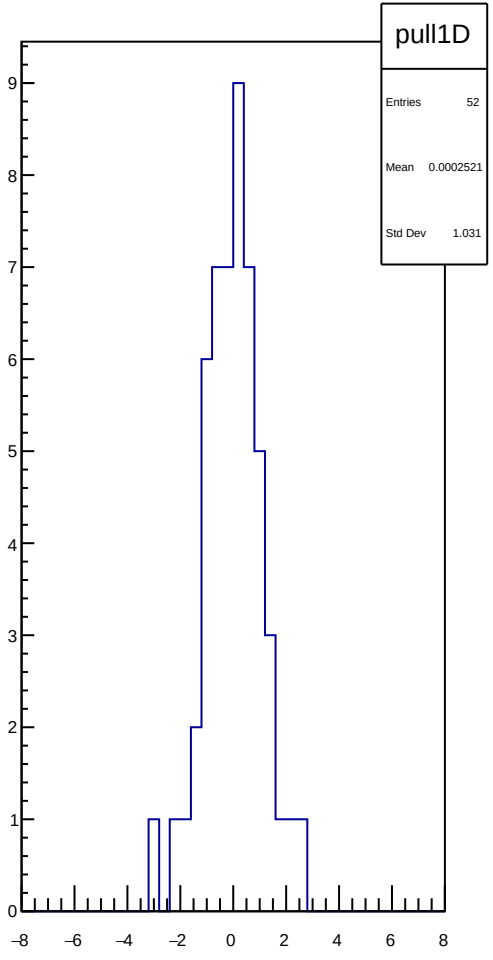

reg_asym_usr_atr1_dd_diff_bpm12X_slope vs run
χ² / ndf 76.84 / 51
p0 22.83 ± 0.2097
pull
Entries 52
Mean −921.2
Std Dev 0

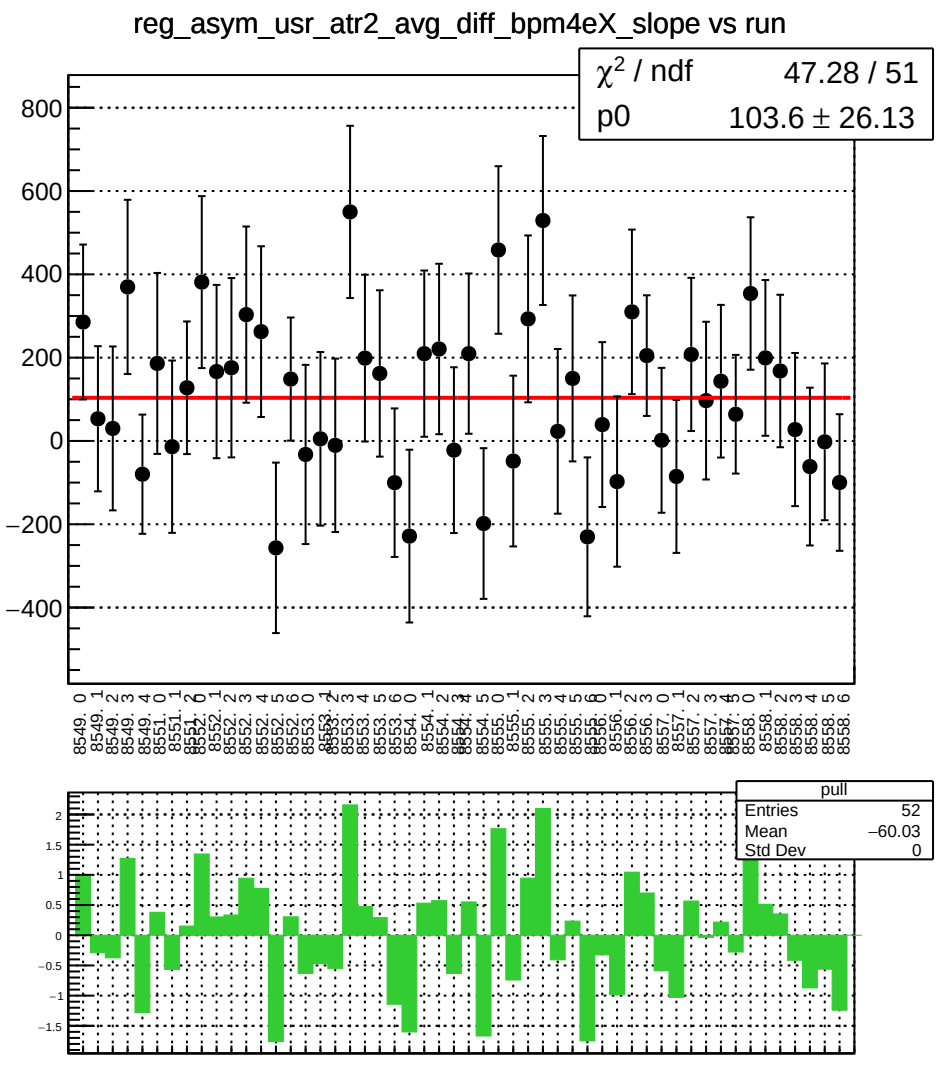

pull1D
Entries 52
Mean 0.001855
Std Dev 1.216

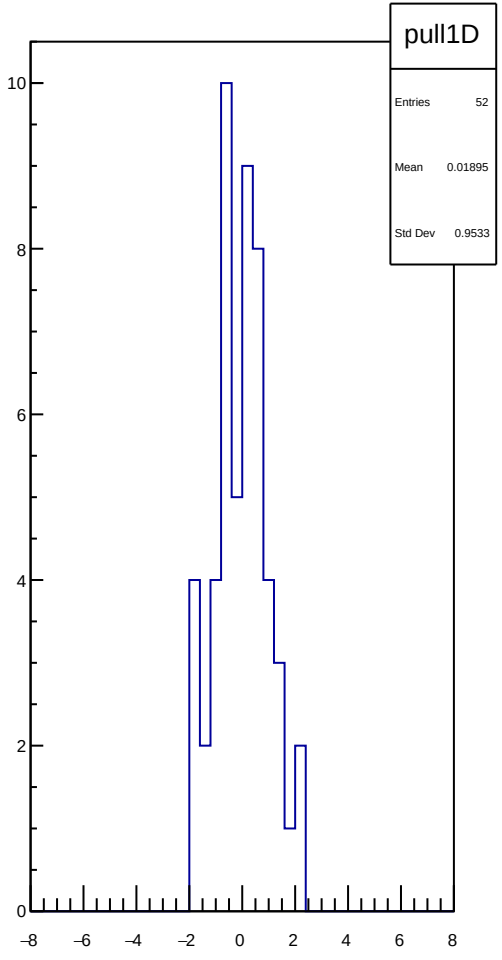

reg_asym_usr_atr2_avg_diff_bpm1X_slope vs run
χ² / ndf 51.84 / 51
p0 −59.64 ± 23.97
pull
Entries 52
Mean −58.29
Std Dev 0

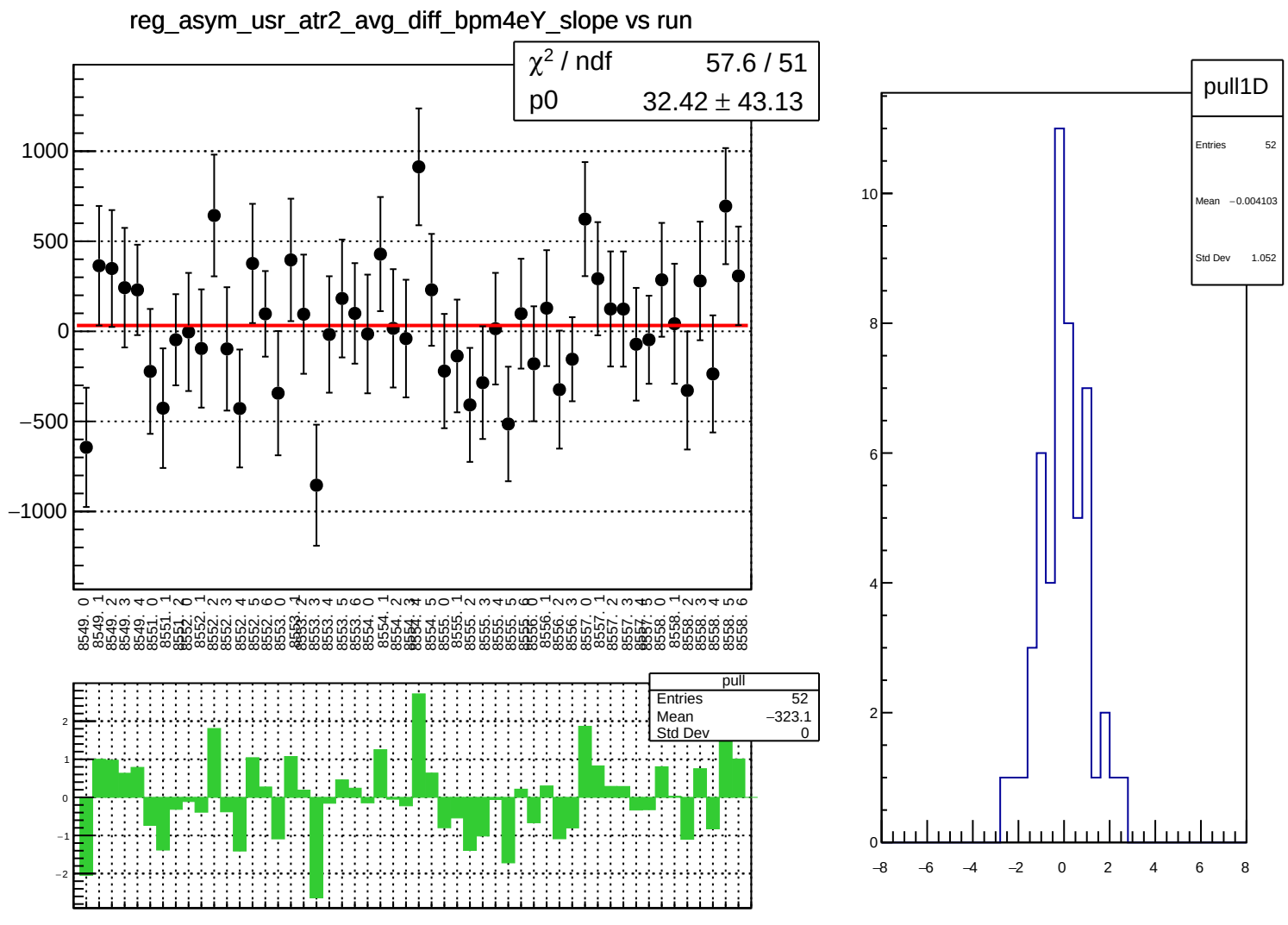

pull1D
Entries 52
Mean −0.02621
Std Dev 0.9981

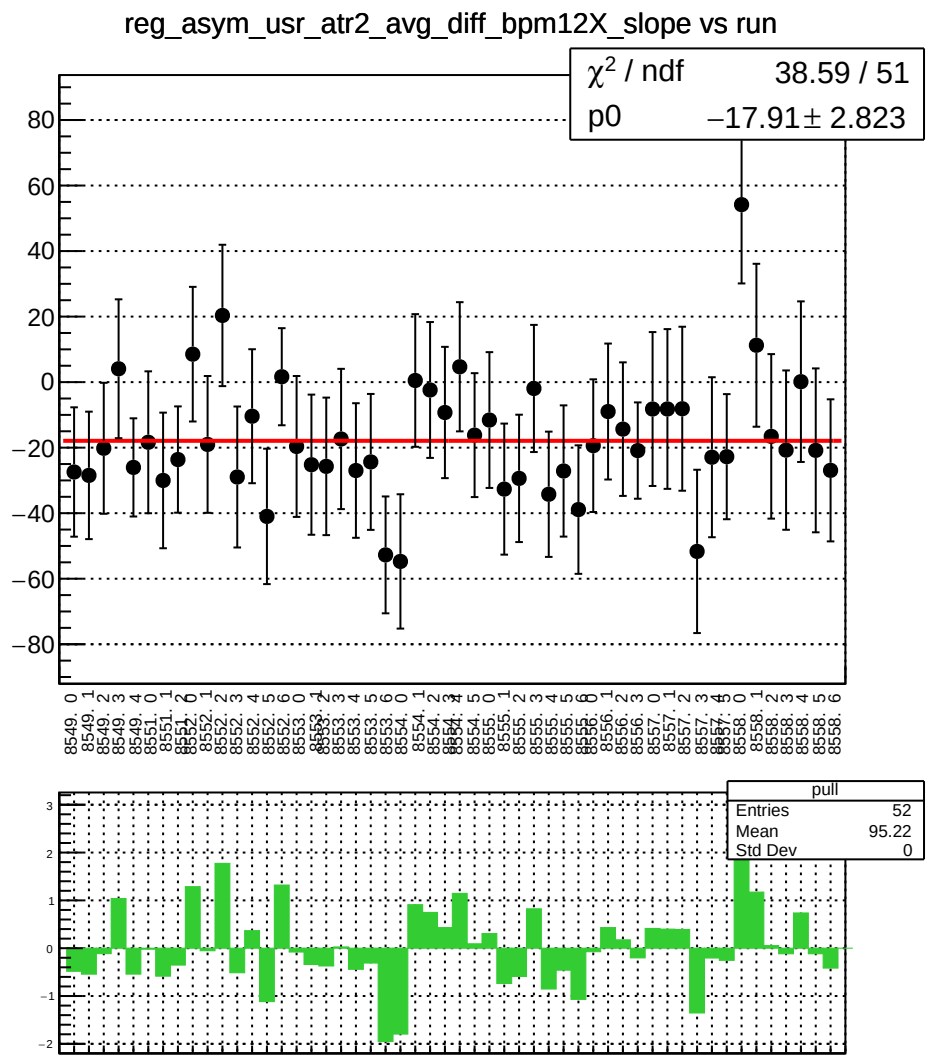

reg_asym_usr_atr2_avg_diff_bpm4aY_slope vs run
χ² / ndf 55.28 / 51
p0 −35.56 ± 40.67
1000
500
0
−500
−1000
pull
Entries 52
Mean −8138
Std Dev 0
2
1
0
−1
−2
−3

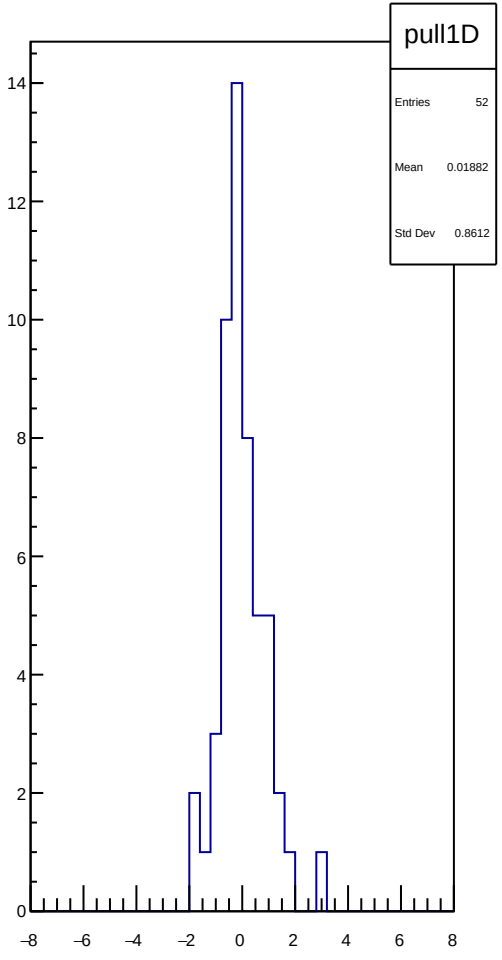

pull1D
Entries 52
Mean 0.0002521
Std Dev 1.031
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

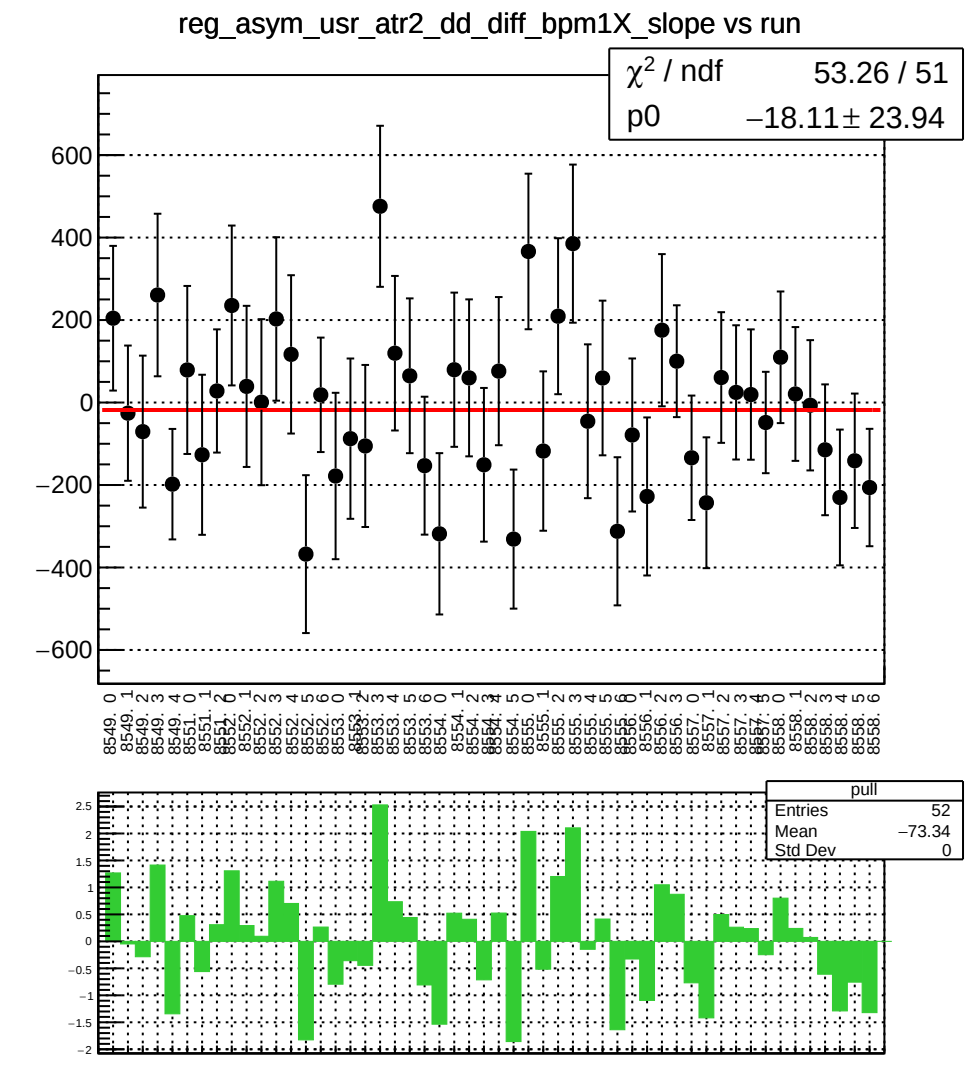

reg_asym_usr_atr2_avg_diff_bpm4eX_slope vs run
χ² / ndf 47.28 / 51
p0 103.6 ± 26.13
pull
Entries 52
Mean −60.03
Std Dev 0

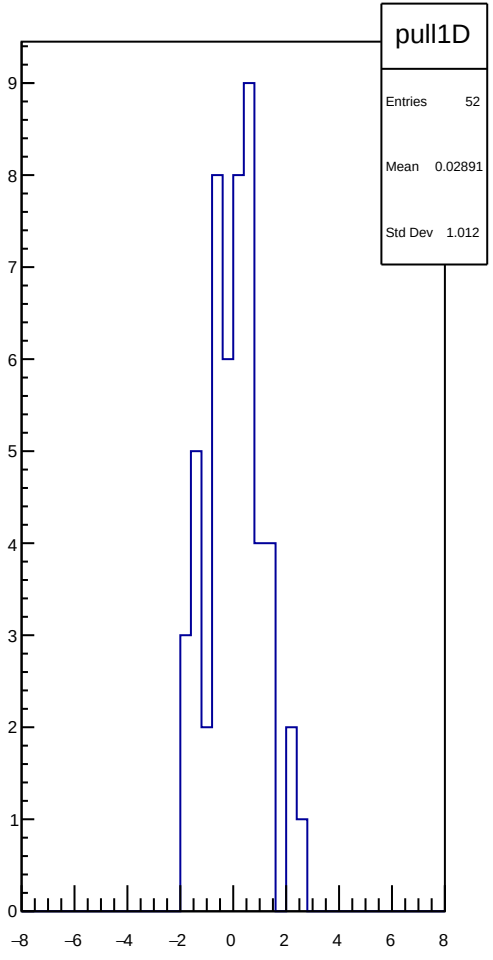

pull1D
Entries 52
Mean 0.01895
Std Dev 0.9533

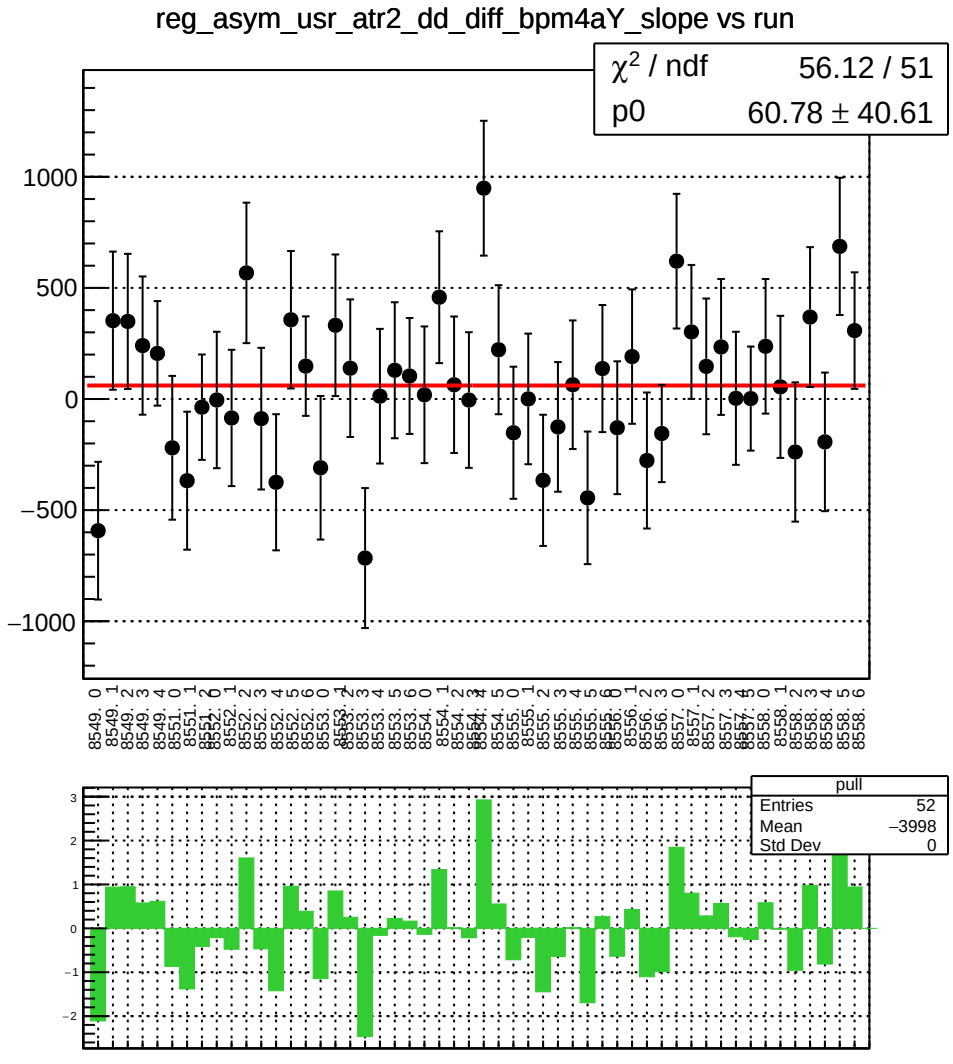

reg_asym_usr_atr2_avg_diff_bpm4eY_slope vs run
χ² / ndf 57.6 / 51
p0 32.42 ± 43.13
1000
500
0
−500
−1000
pull
Entries 52
Mean −323.1
Std Dev 0
pull1D
Entries 52
Mean −0.004103
Std Dev 1.052
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

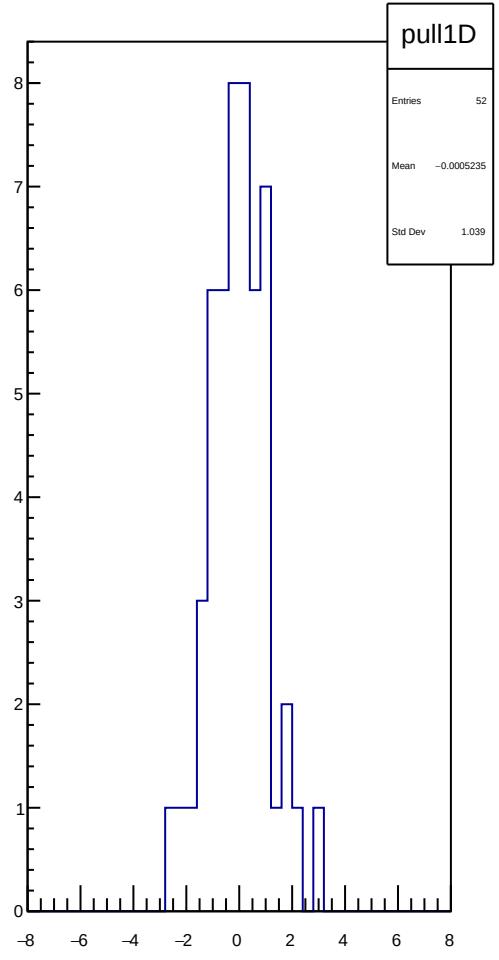

reg_asym_usr_atr2_avg_diff_bpm12X_slope vs run
χ² / ndf 38.59 / 51
p0 −17.91± 2.823
pull
Entries 52
Mean 95.22
Std Dev 0

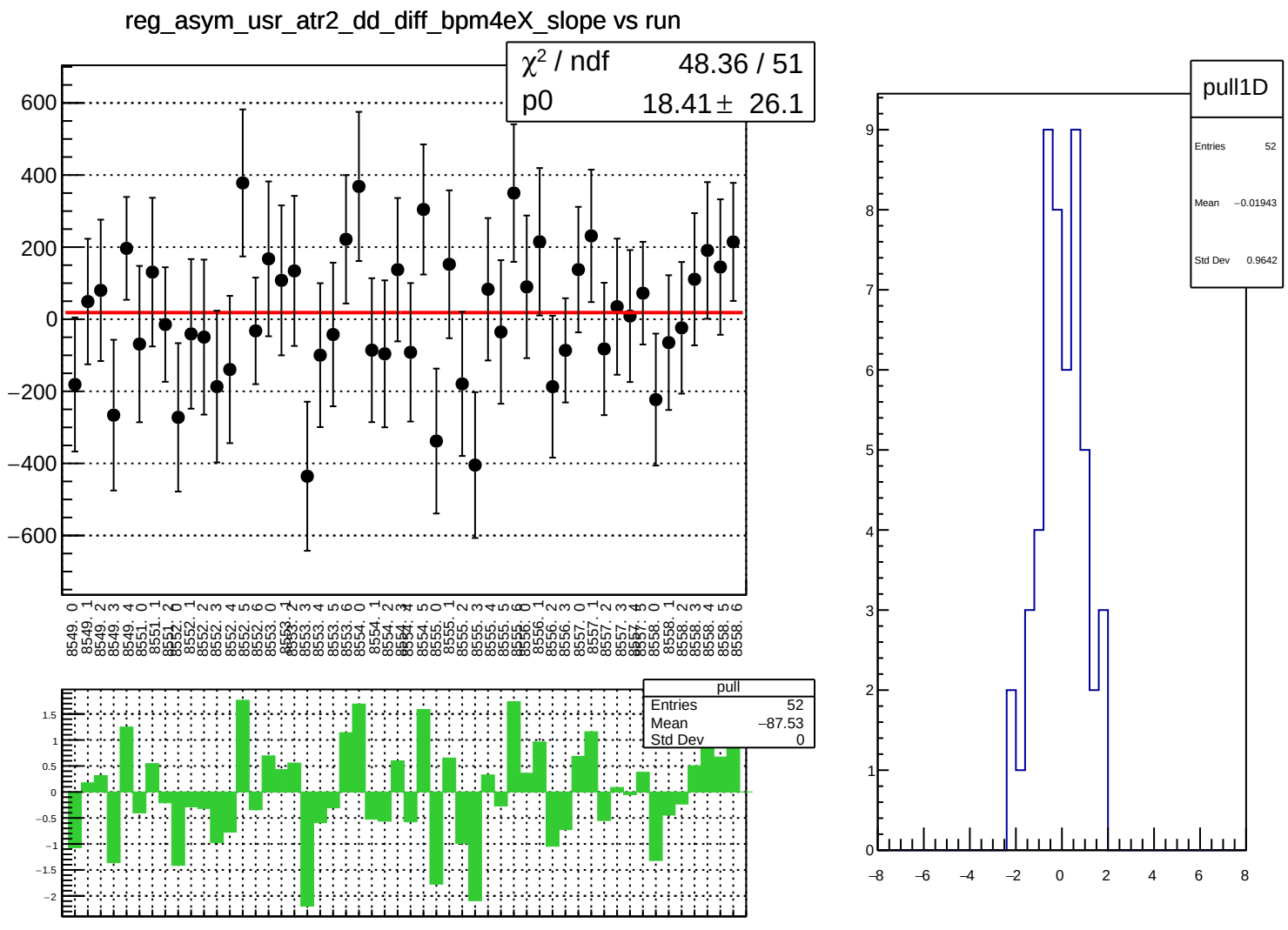

pull1D
Entries 52
Mean 0.01882
Std Dev 0.8612

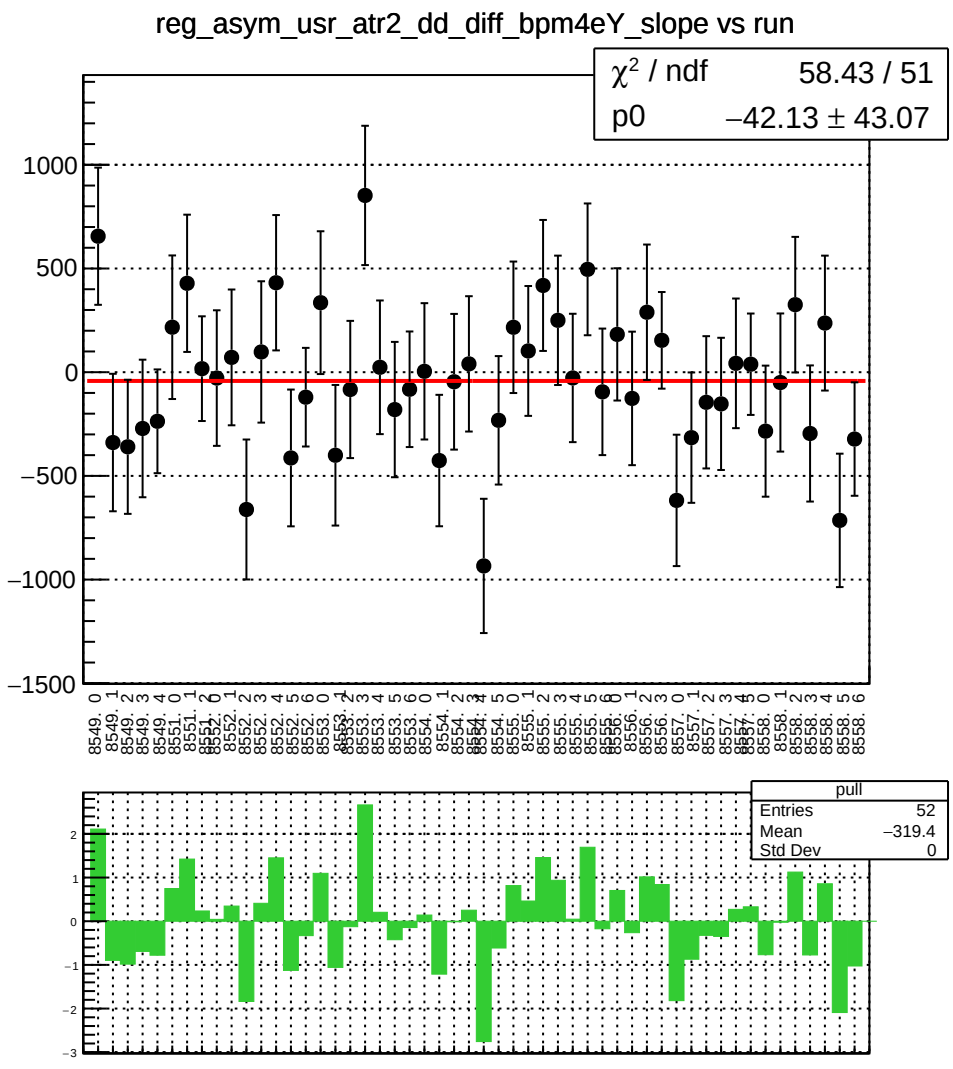

reg_asym_usr_atr2_dd_diff_bpm1X_slope vs run
χ² / ndf 53.26 / 51
p0 −18.11 ± 23.94
pull
Entries 52
Mean −73.34
Std Dev 0

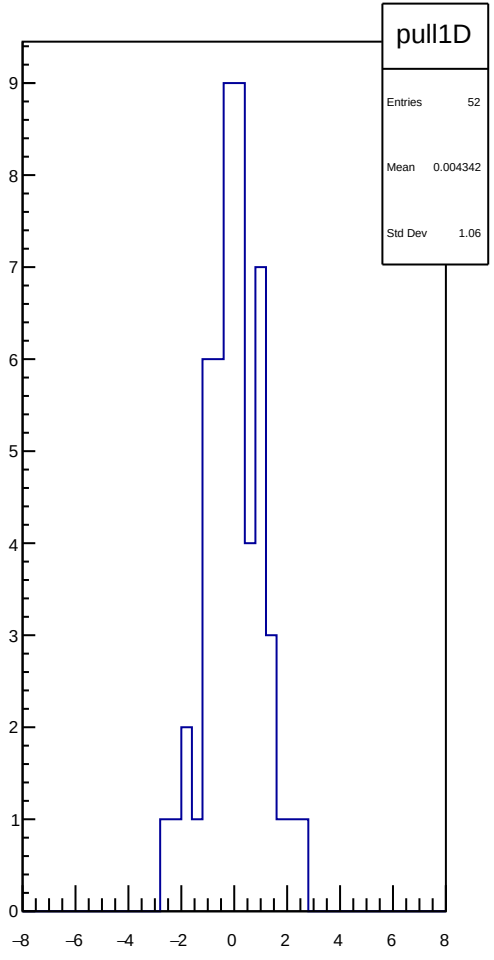

pull1D
Entries 52
Mean 0.02891
Std Dev 1.012

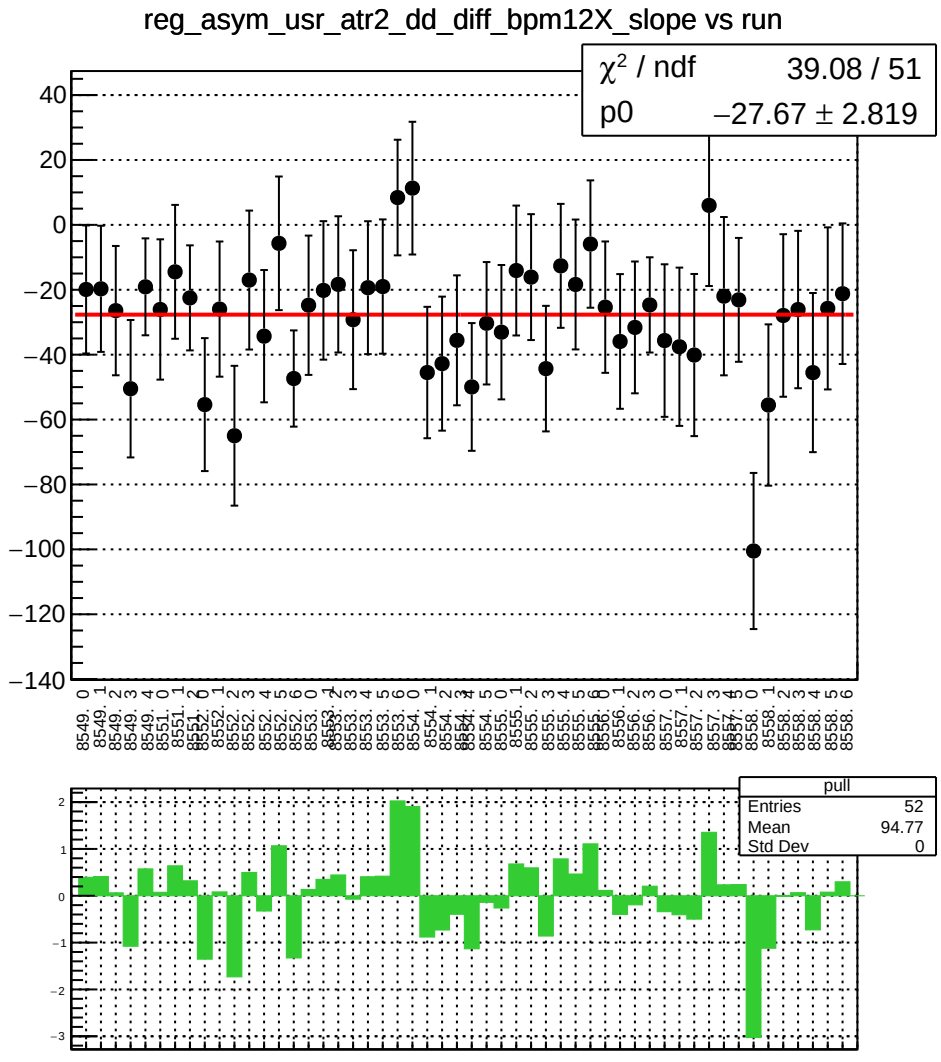

reg_asym_usr_atr2_dd_diff_bpm4aY_slope vs run
χ² / ndf 56.12 / 51
p0 60.78 ± 40.61
1000
500
0
−500
−1000
pull
Entries 52
Mean −3998
Std Dev 0
3
2
1
0
−1
−2

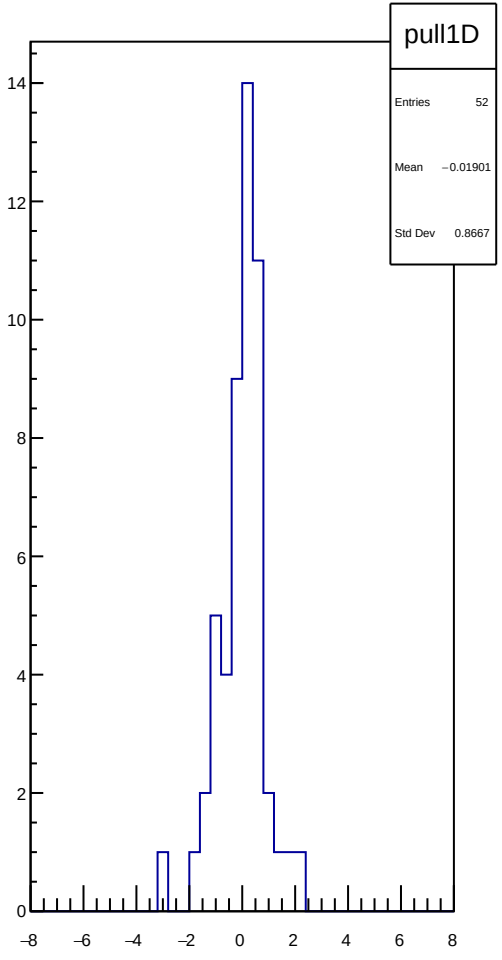

pull1D
Entries 52
Mean −0.0005235
Std Dev 1.039
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

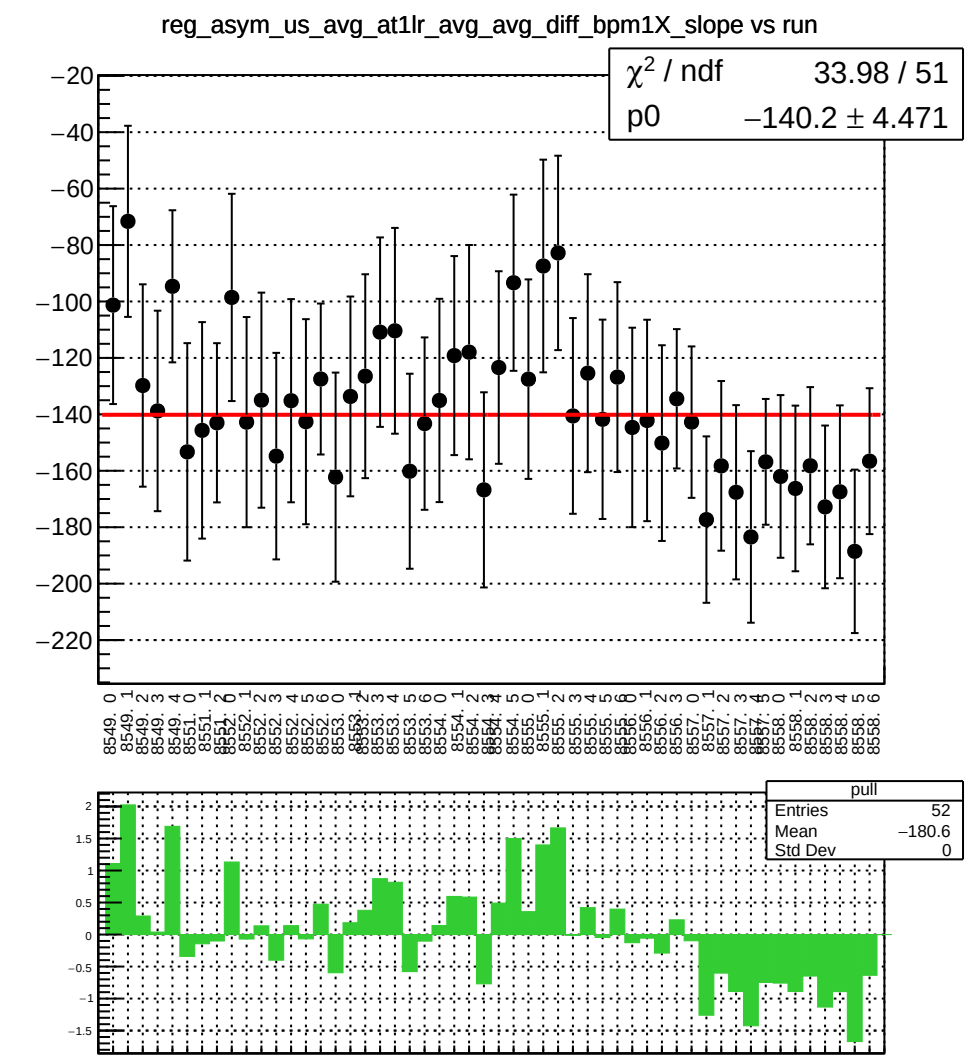

reg_asym_usr_atr2_dd_diff_bpm4eX_slope vs run
χ² / ndf 48.36 / 51
p0 18.41 ± 26.1
pull
Entries 52
Mean −87.53
Std Dev 0
pull1D
Entries 52
Mean −0.01943
Std Dev 0.9642

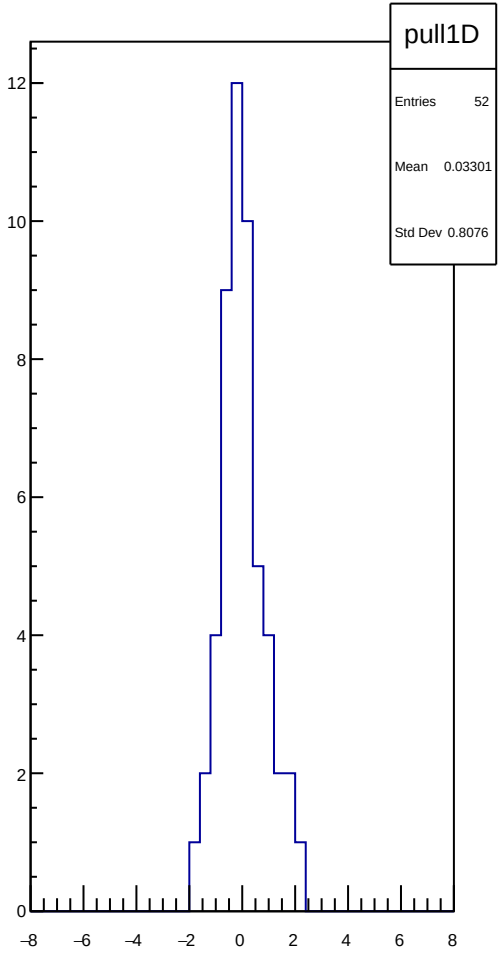

reg_asym_usr_atr2_dd_diff_bpm4eY_slope vs run
χ² / ndf 58.43 / 51
p0 −42.13 ± 43.07
pull
Entries 52
Mean −319.4
Std Dev 0

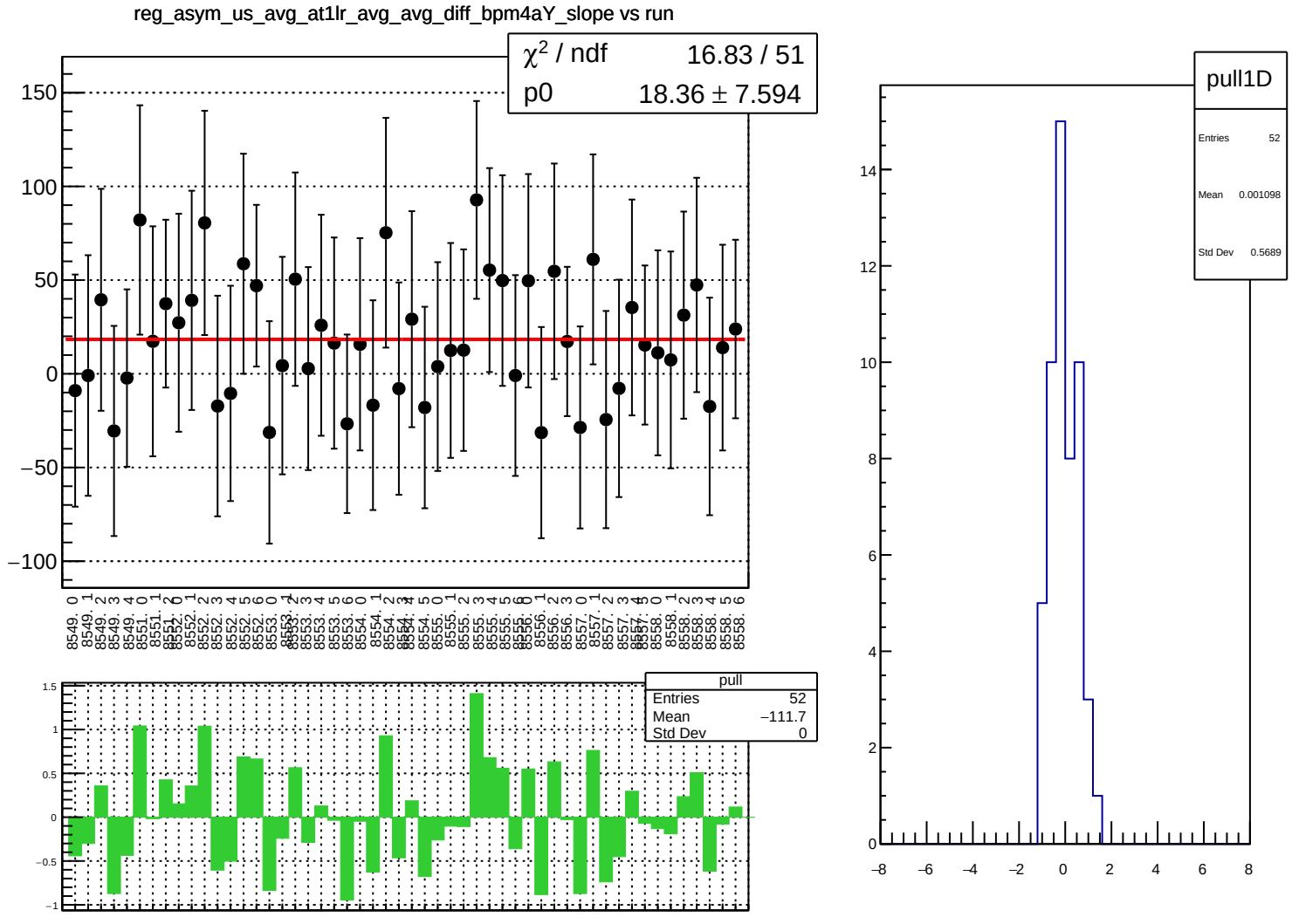

pull1D
Entries 52
Mean 0.004342
Std Dev 1.06

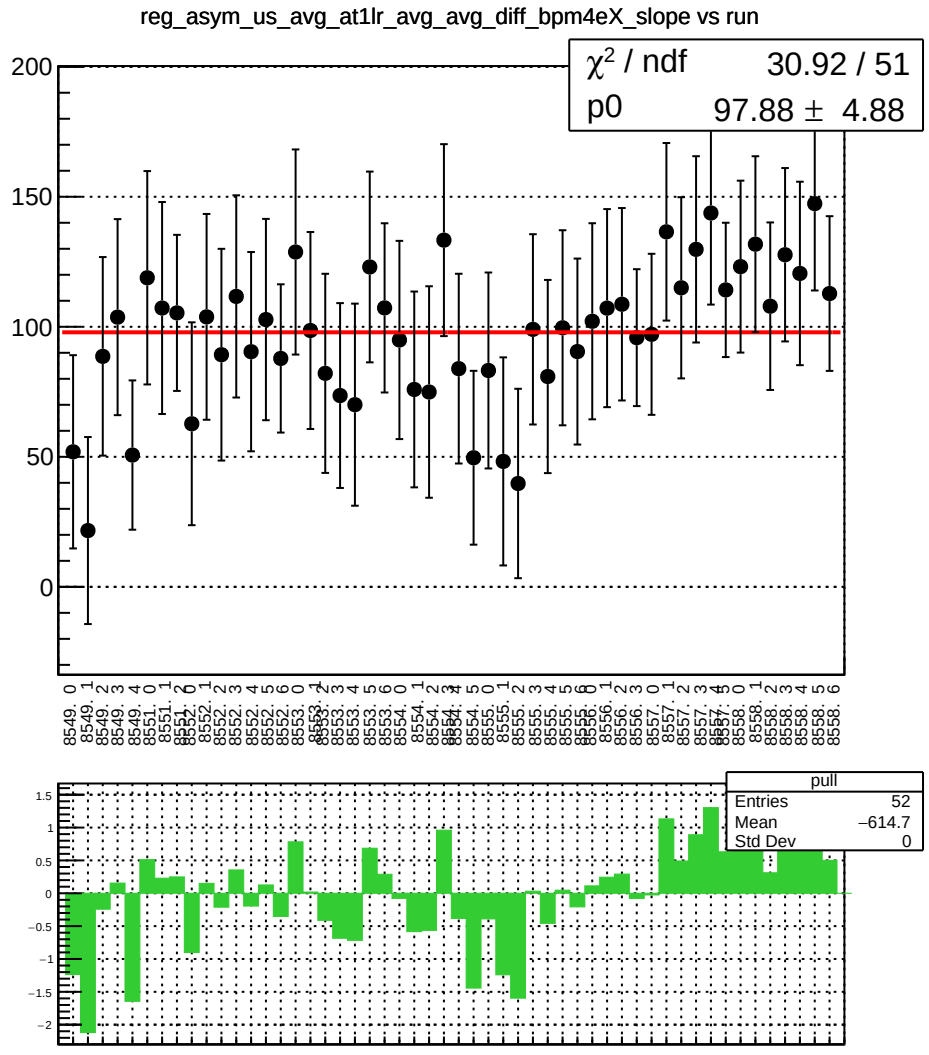

reg_asym_usr_atr2_dd_diff_bpm12X_slope vs run
χ² / ndf 39.08 / 51
p0 −27.67 ± 2.819
pull
Entries 52
Mean 94.77
Std Dev 0

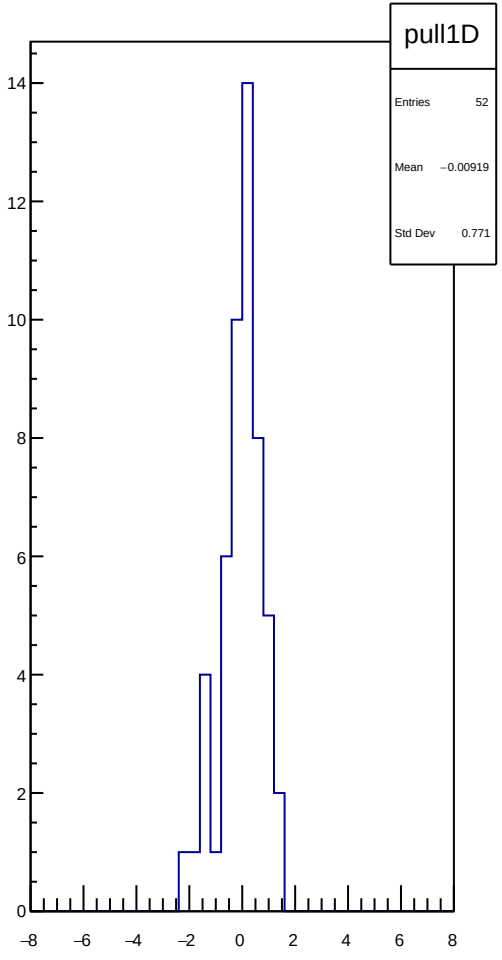

pull1D
Entries 52
Mean −0.01901
Std Dev 0.8667

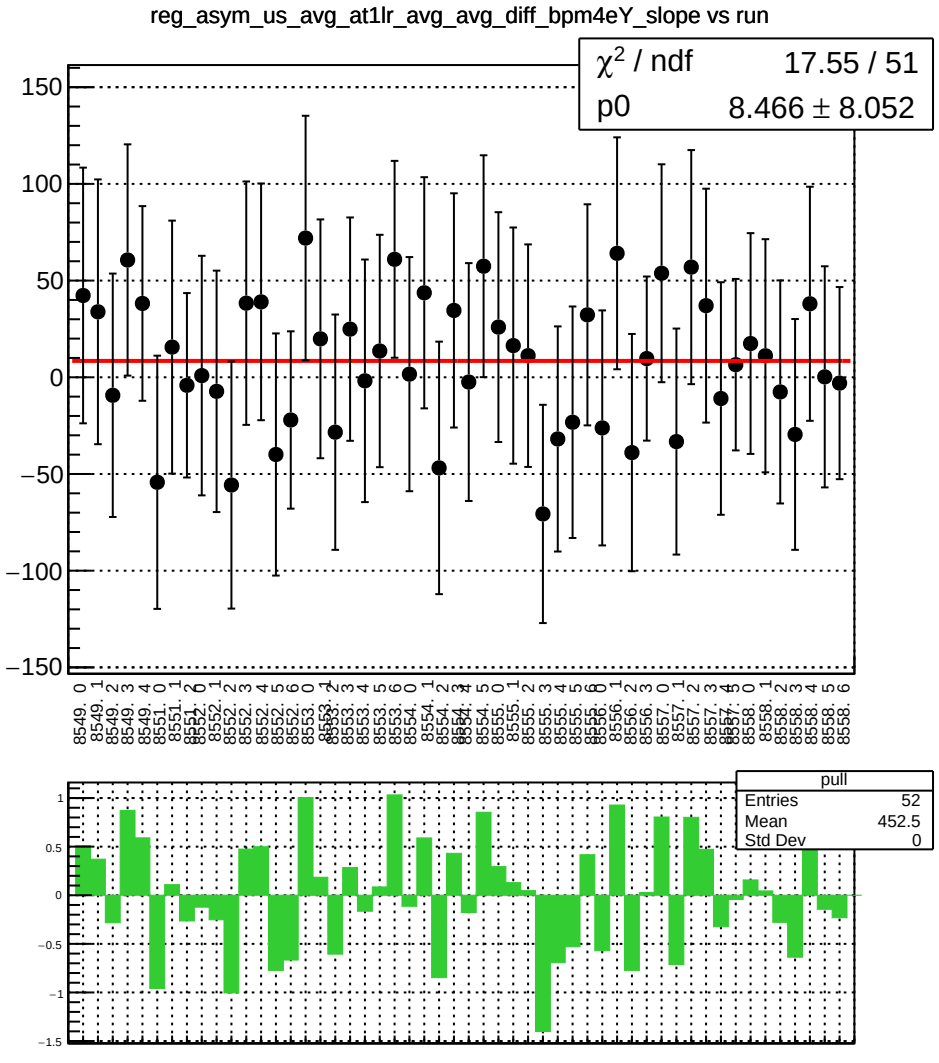

reg_asym_us_avg_at1lr_avg_avg_diff_bpm1X_slope vs run
χ² / ndf 33.98 / 51
p0 −140.2 ± 4.471
pull
Entries 52
Mean −180.6
Std Dev 0

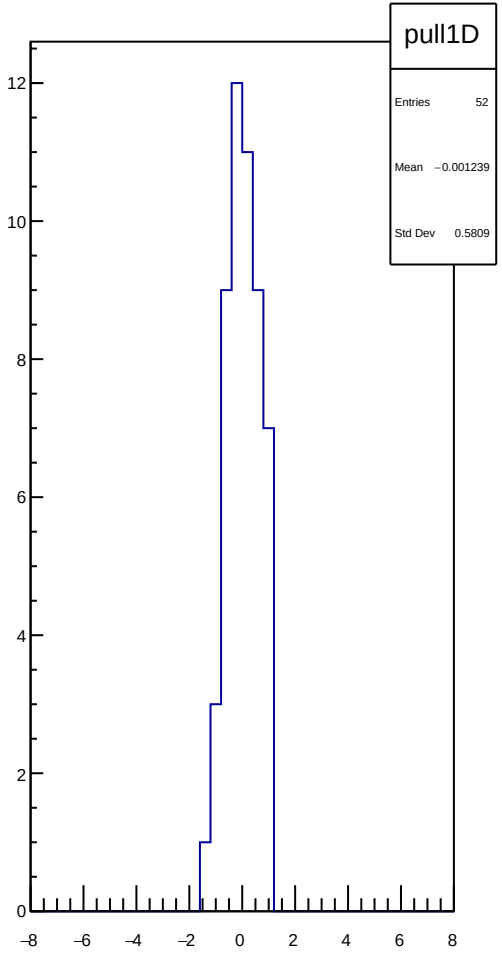

pull1D
Entries 52
Mean 0.03301
Std Dev 0.8076

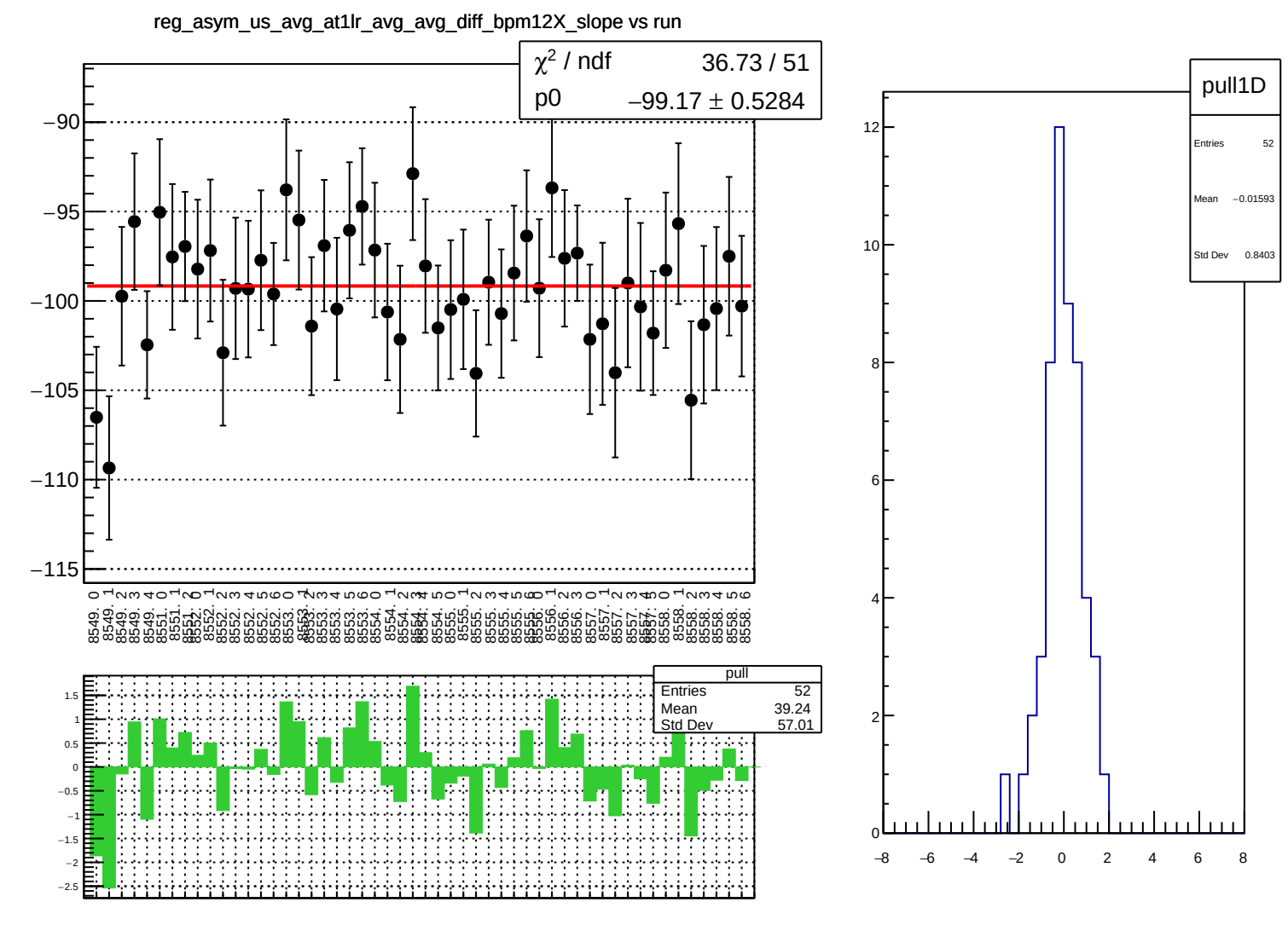

reg_asym_us_avg_at1lr_avg_avg_diff_bpm4aY_slope vs run
χ² / ndf 16.83 / 51
p0 18.36 ± 7.594
pull
Entries 52
Mean −111.7
Std Dev 0
pull1D
Entries 52
Mean 0.001098
Std Dev 0.5689

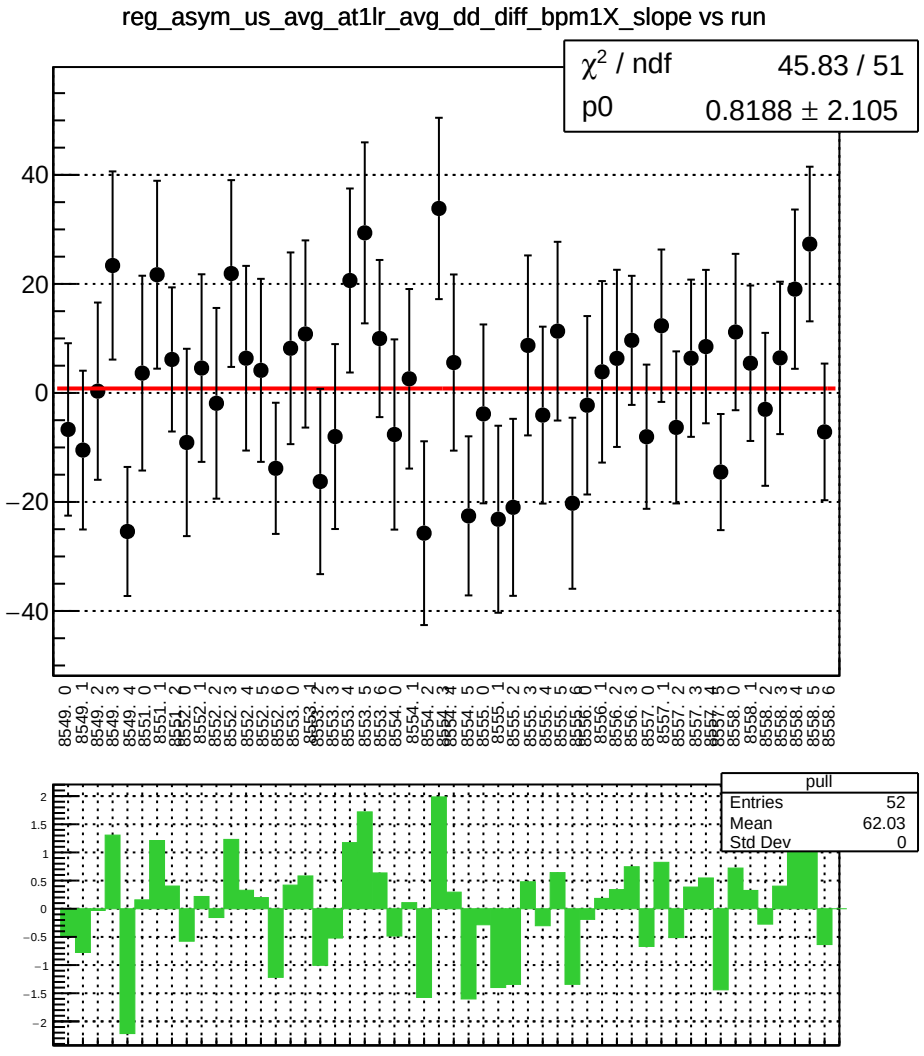

reg_asym_us_avg_at1lr_avg_avg_diff_bpm4eX_slope vs run
χ² / ndf 30.92 / 51
p0 97.88 ± 4.88
pull
Entries 52
Mean −614.7
Std Dev 0

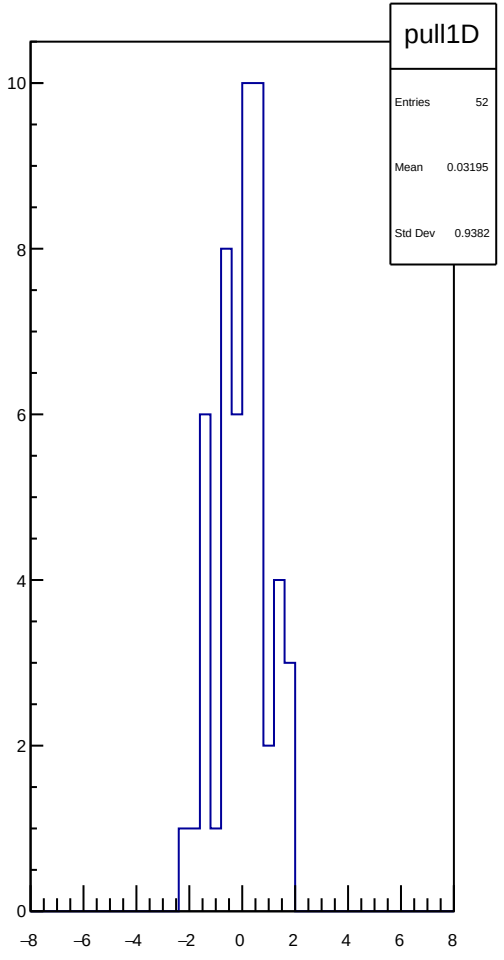

pull1D
Entries 52
Mean −0.00919
Std Dev 0.771

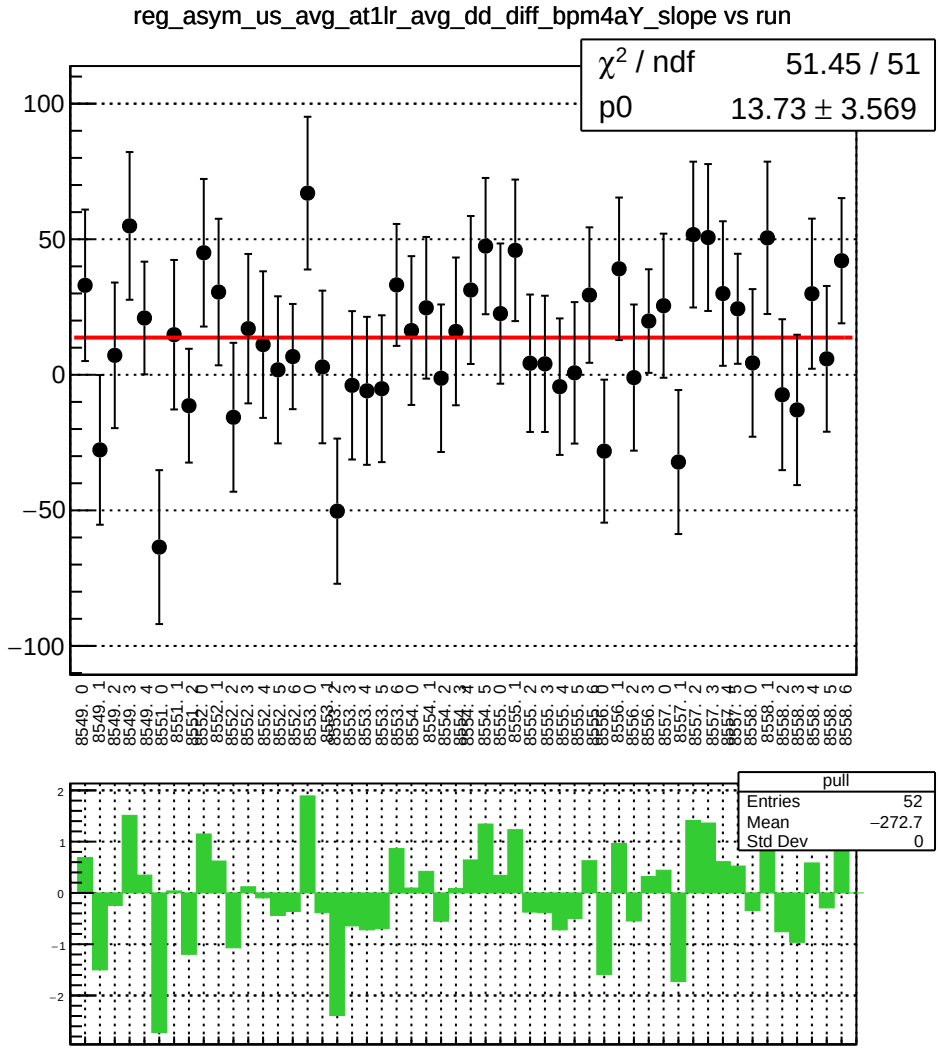

reg_asym_us_avg_at1lr_avg_avg_diff_bpm4eY_slope vs run
χ² / ndf 17.55 / 51
p0 8.466 ± 8.052
pull
Entries 52
Mean 452.5
Std Dev 0

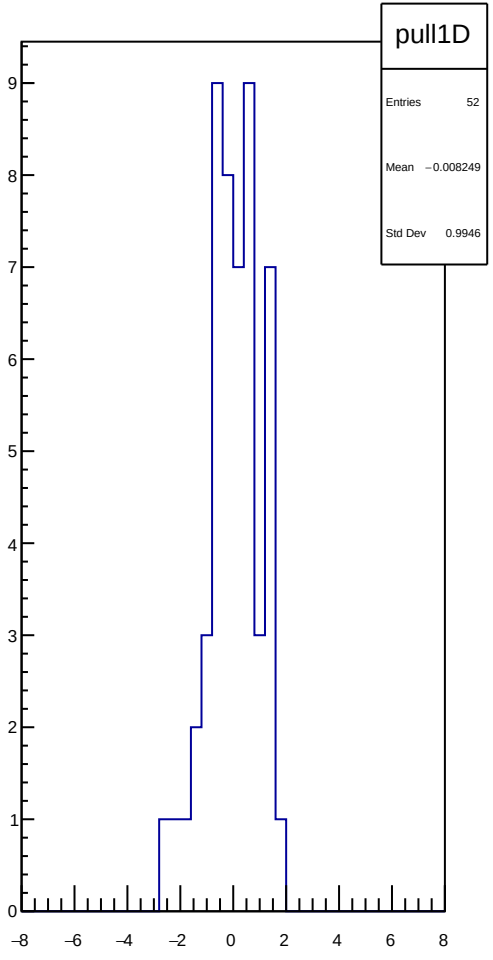

pull1D
Entries 52
Mean −0.001239
Std Dev 0.5809

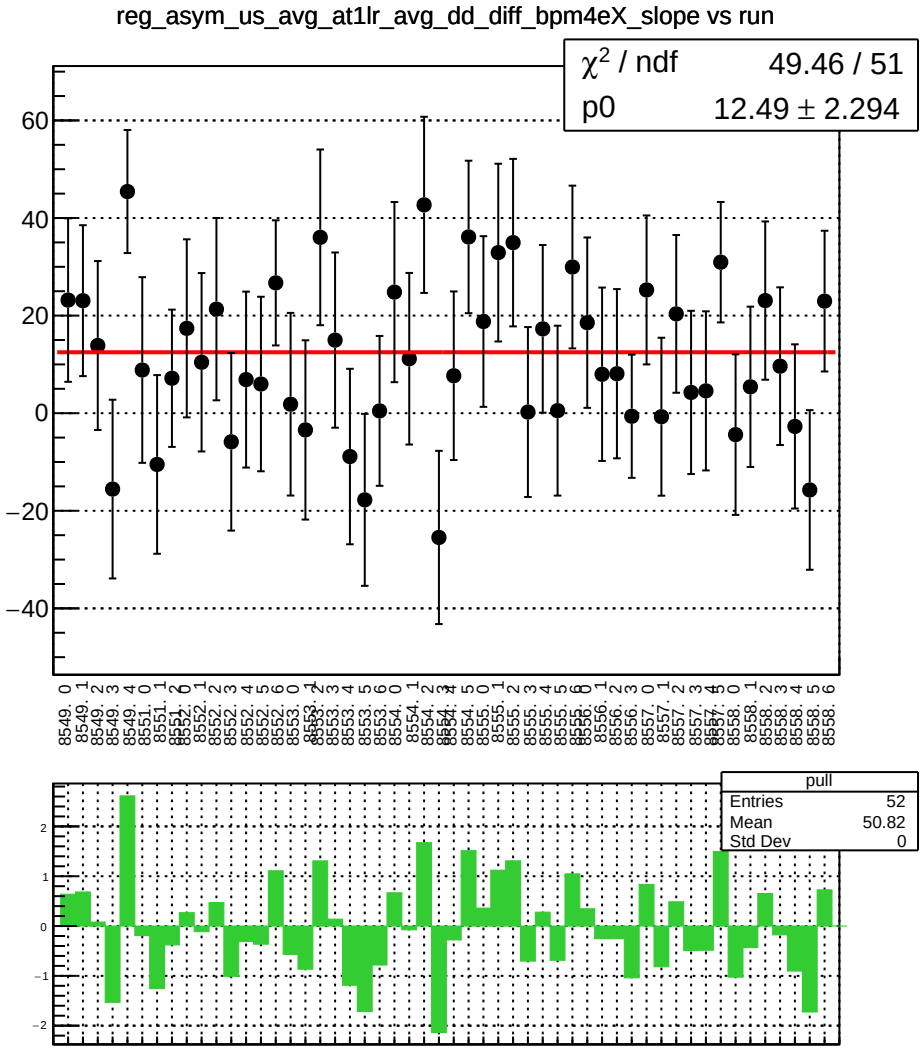

reg_asym_us_avg_at1lr_avg_avg_diff_bpm12X_slope vs run
χ² / ndf 36.73 / 51
p0 −99.17 ± 0.5284
pull
Entries 52
Mean 39.24
Std Dev 57.01
pull1D
Entries 52
Mean −0.01593
Std Dev 0.8403

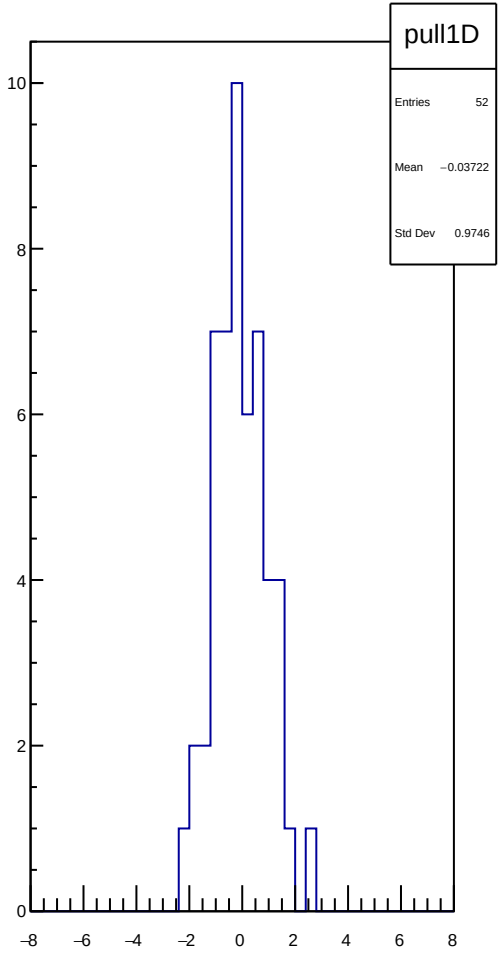

reg_asym_us_avg_at1lr_avg_dd_diff_bpm1X_slope vs run
χ² / ndf 45.83 / 51
p0 0.8188 ± 2.105
pull
Entries 52
Mean 62.03
Std Dev 0

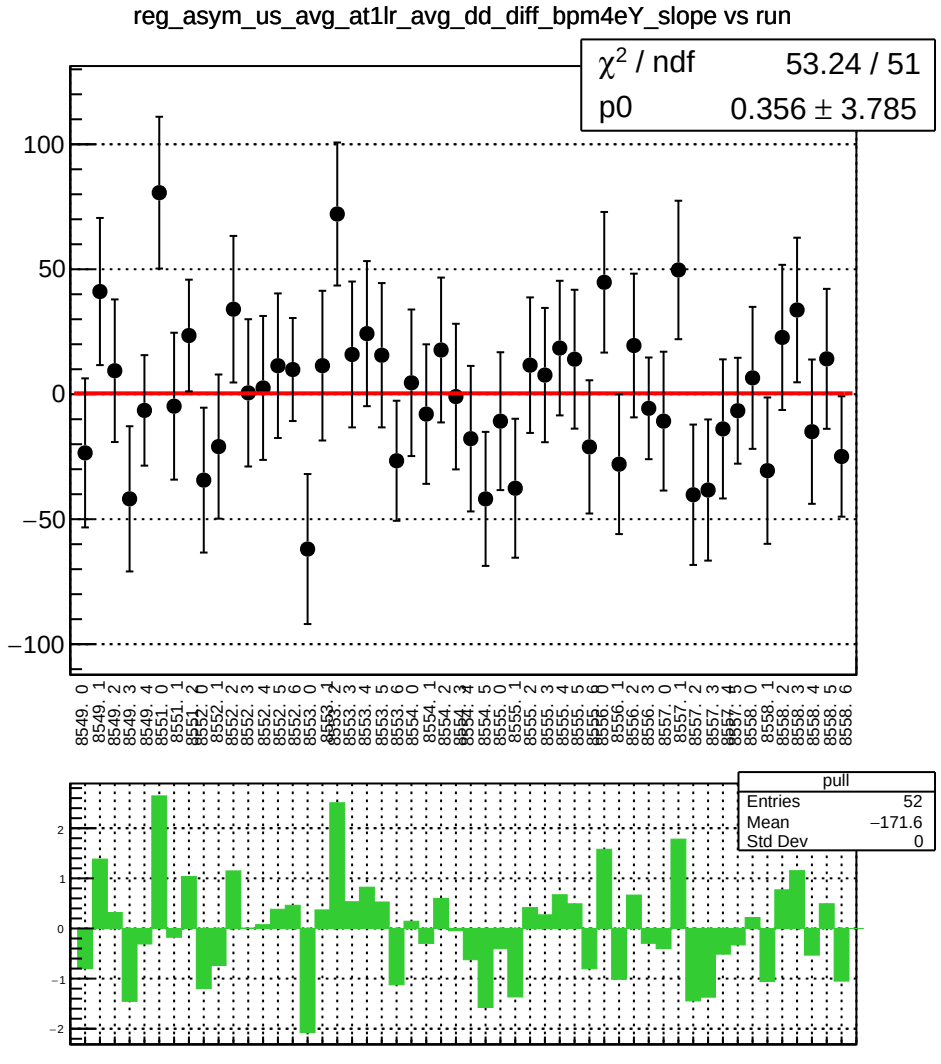

pull1D
Entries 52
Mean 0.03195
Std Dev 0.9382

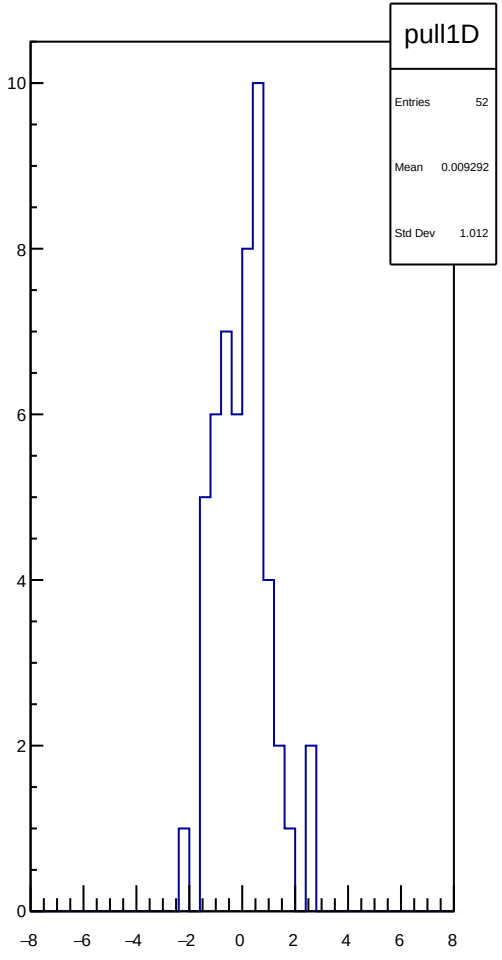

reg_asym_us_avg_at1lr_avg_dd_diff_bpm4aY_slope vs run
χ² / ndf 51.45 / 51
p0 13.73 ± 3.569
100
50
0
−50
−100
pull
Entries 52
Mean −272.7
Std Dev 0

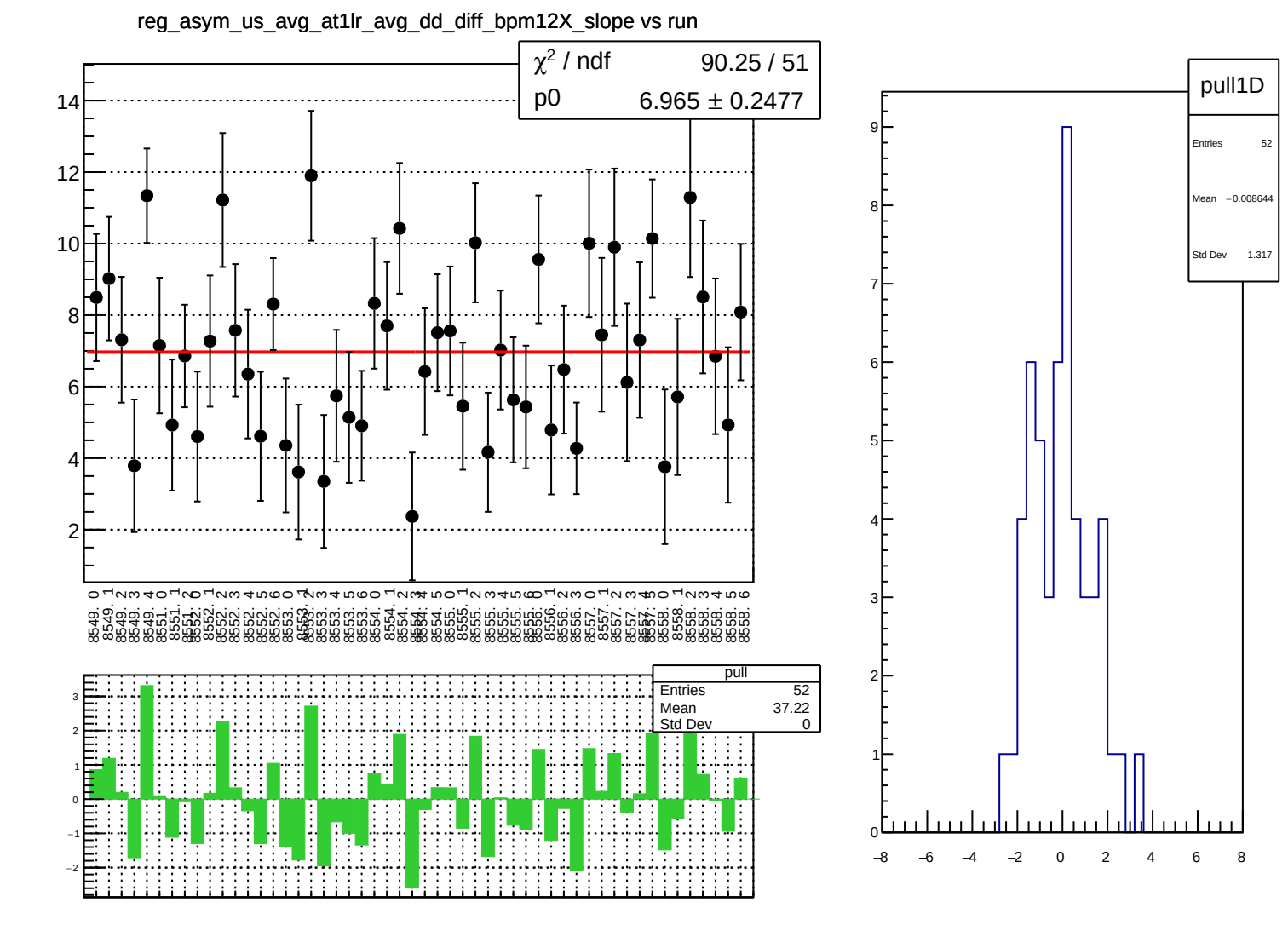

pull1D
Entries 52
Mean −0.008249
Std Dev 0.9946

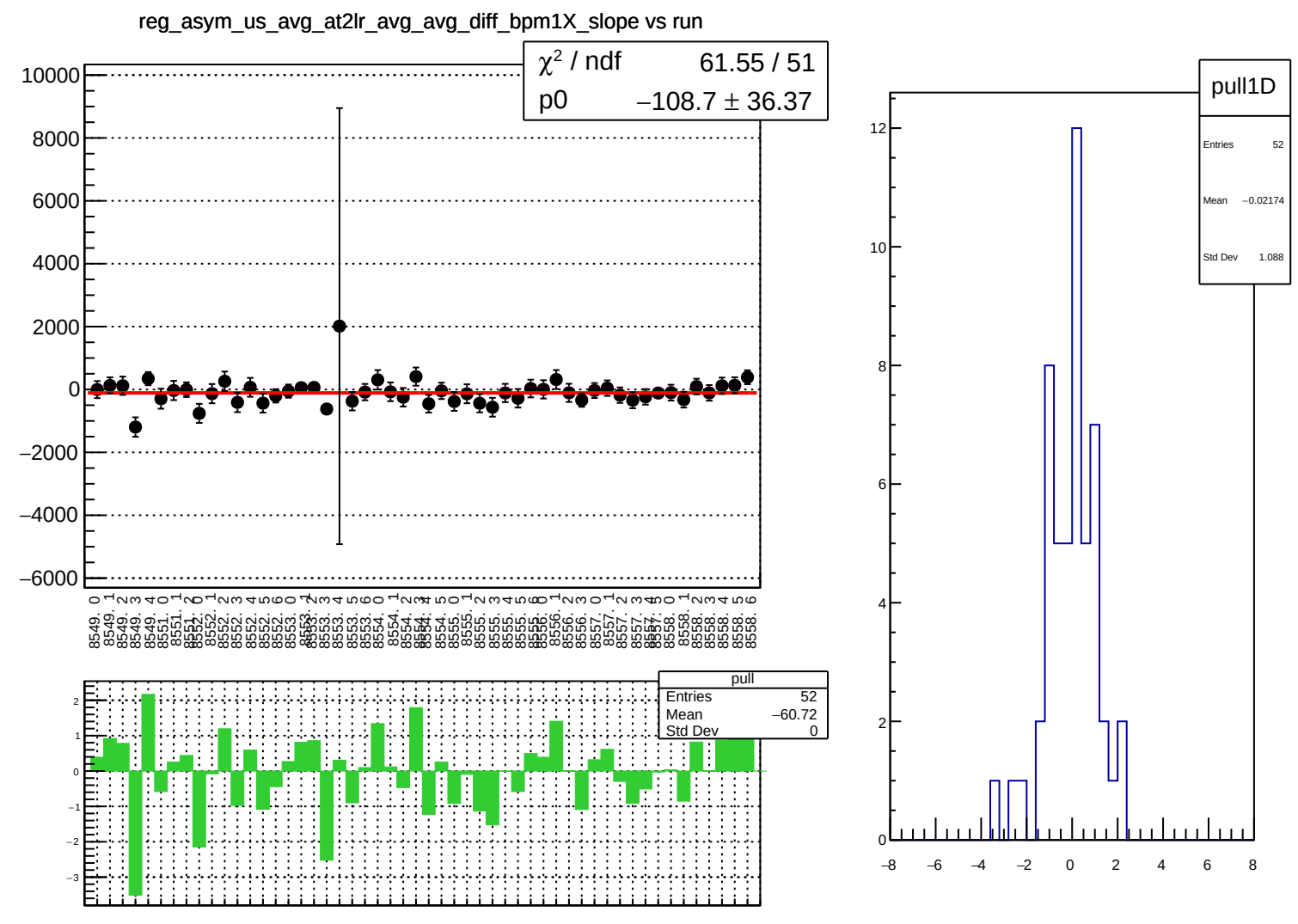

reg_asym_us_avg_at1lr_avg_dd_diff_bpm4eX_slope vs run
χ² / ndf 49.46 / 51
p0 12.49 ± 2.294
pull
Entries 52
Mean 50.82
Std Dev 0

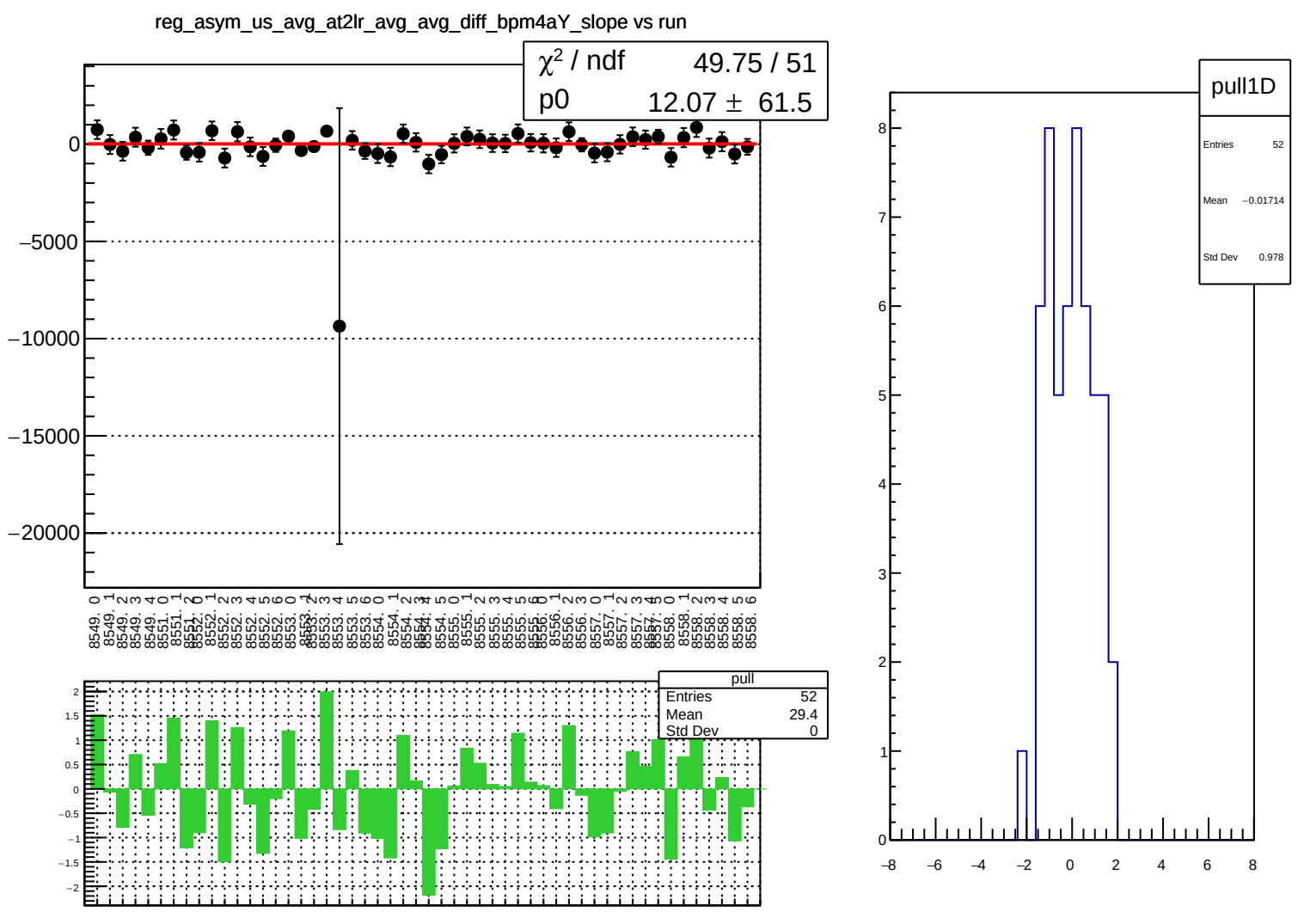

pull1D
Entries 52
Mean −0.03722
Std Dev 0.9746

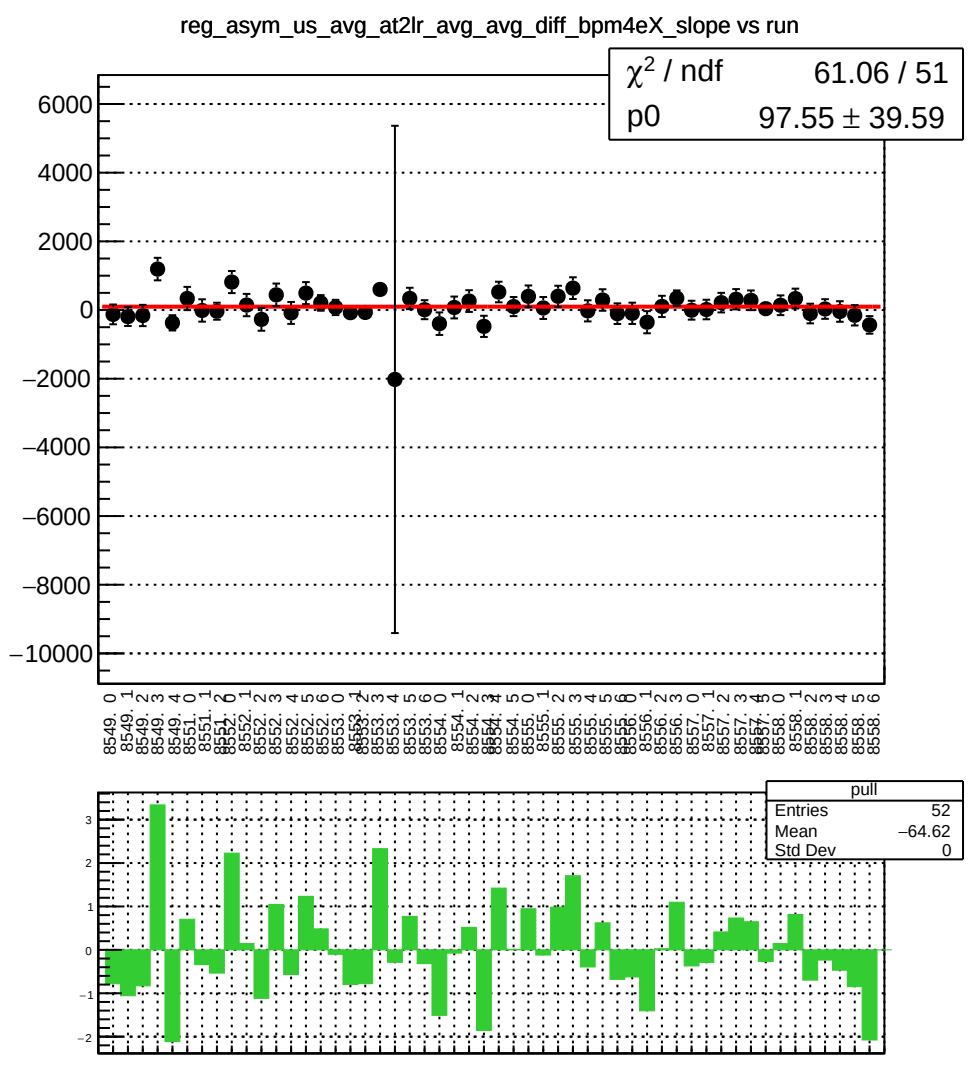

reg_asym_us_avg_at1lr_avg_dd_diff_bpm4eY_slope vs run
χ² / ndf 53.24 / 51
p0 0.356 ± 3.785
pull
Entries 52
Mean −171.6
Std Dev 0

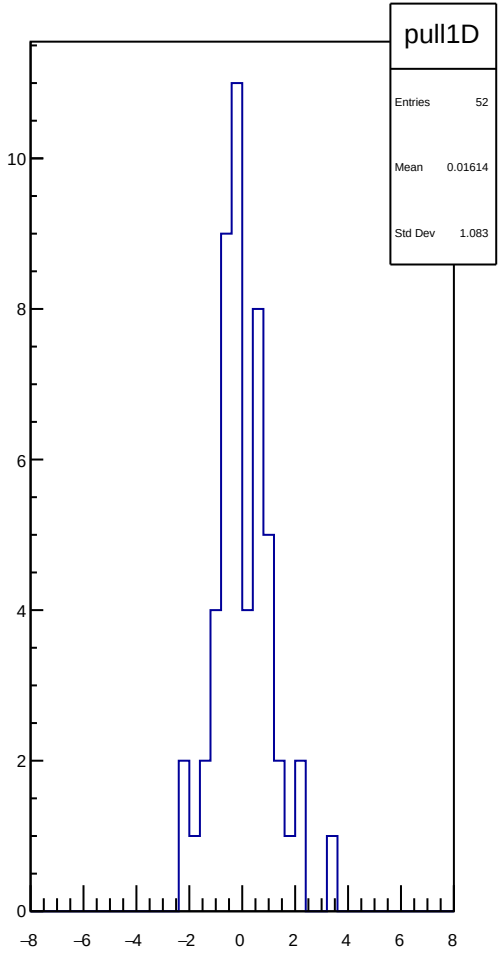

pull1D
Entries 52
Mean 0.009292
Std Dev 1.012

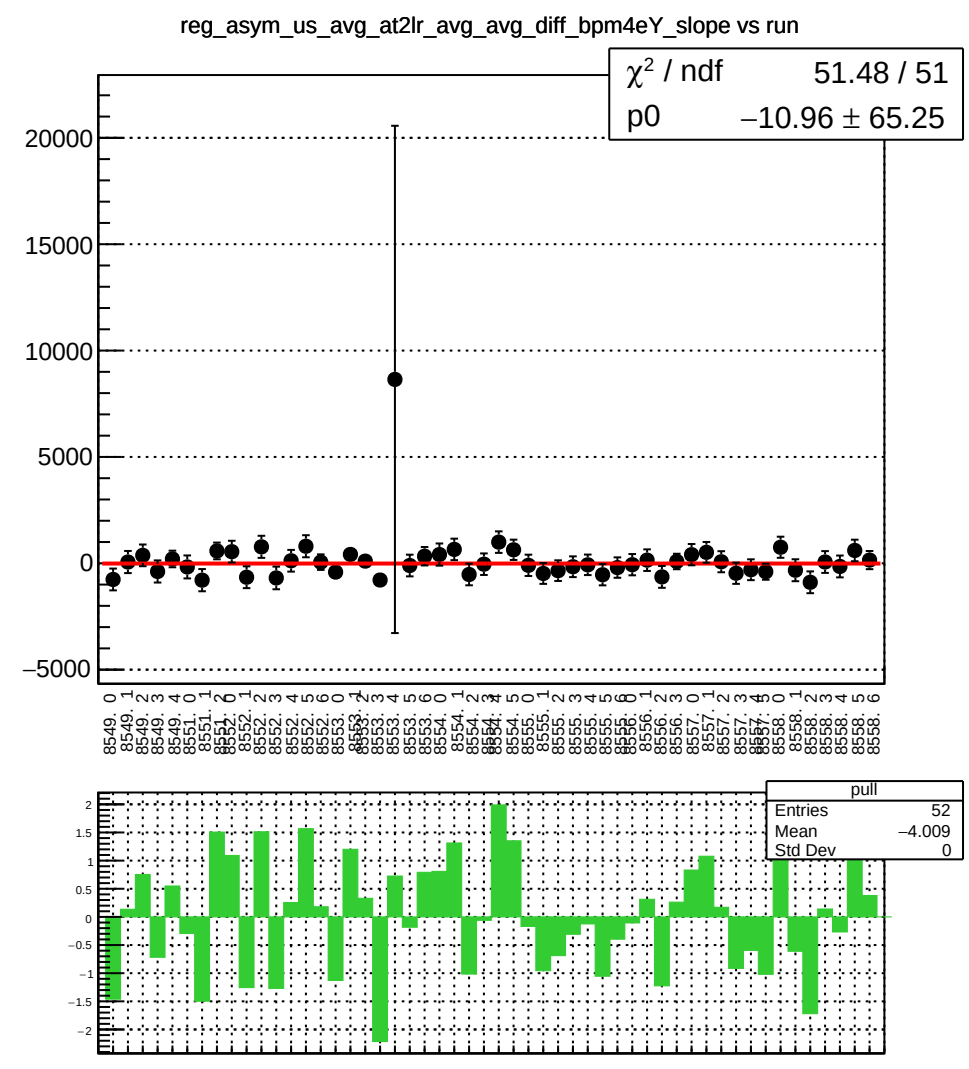

reg_asym_us_avg_at1lr_avg_dd_diff_bpm12X_slope vs run
χ² / ndf 90.25 / 51
p0 6.965 ± 0.2477
pull
Entries 52
Mean 37.22
Std Dev 0
pull1D
Entries 52
Mean −0.008644
Std Dev 1.317

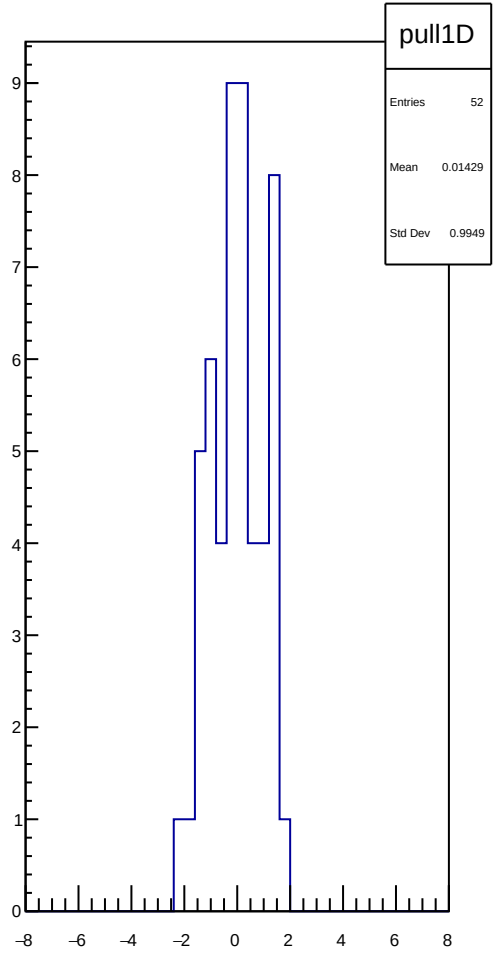

reg_asym_us_avg_at2lr_avg_avg_diff_bpm1X_slope vs run
χ² / ndf 61.55 / 51
p0 −108.7 ± 36.37
pull
Entries 52
Mean −60.72
Std Dev 0
pull1D
Entries 52
Mean −0.02174
Std Dev 1.088

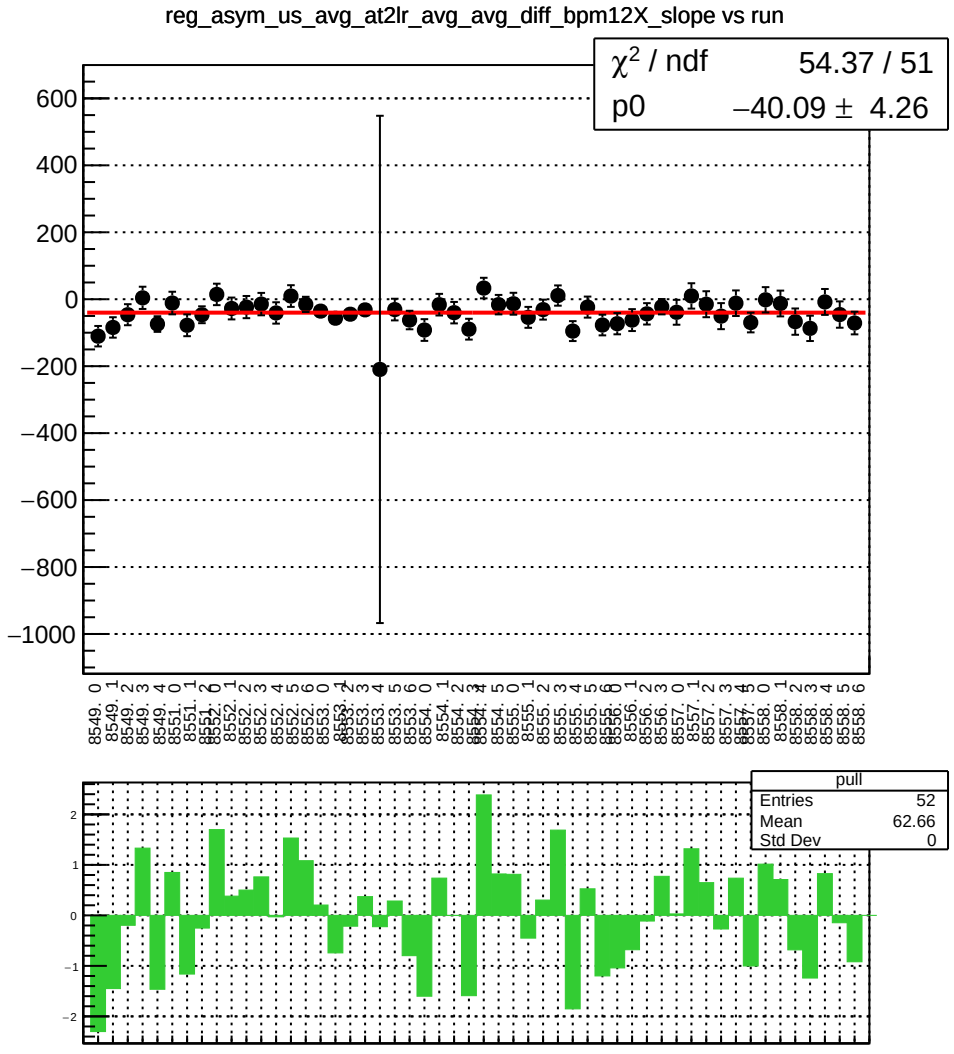

reg_asym_us_avg_at2lr_avg_avg_diff_bpm4aY_slope vs run
χ² / ndf 49.75 / 51
p0 12.07 ± 61.5
0
−5000
−10000
−15000
−20000
pull
Entries 52
Mean 29.4
Std Dev 0
pull1D
Entries 52
Mean −0.01714
Std Dev 0.978

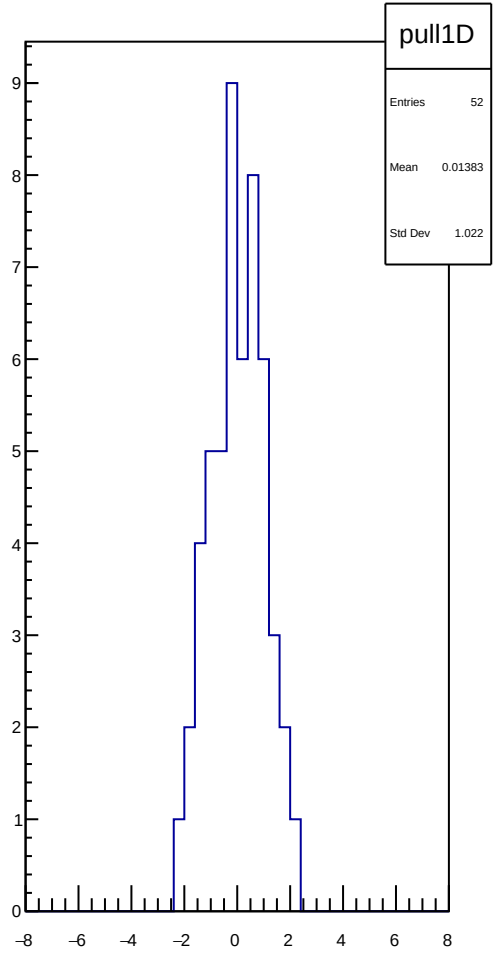

reg_asym_us_avg_at2lr_avg_avg_diff_bpm4eX_slope vs run
χ² / ndf 61.06 / 51
p0 97.55 ± 39.59
pull
Entries 52
Mean −64.62
Std Dev 0

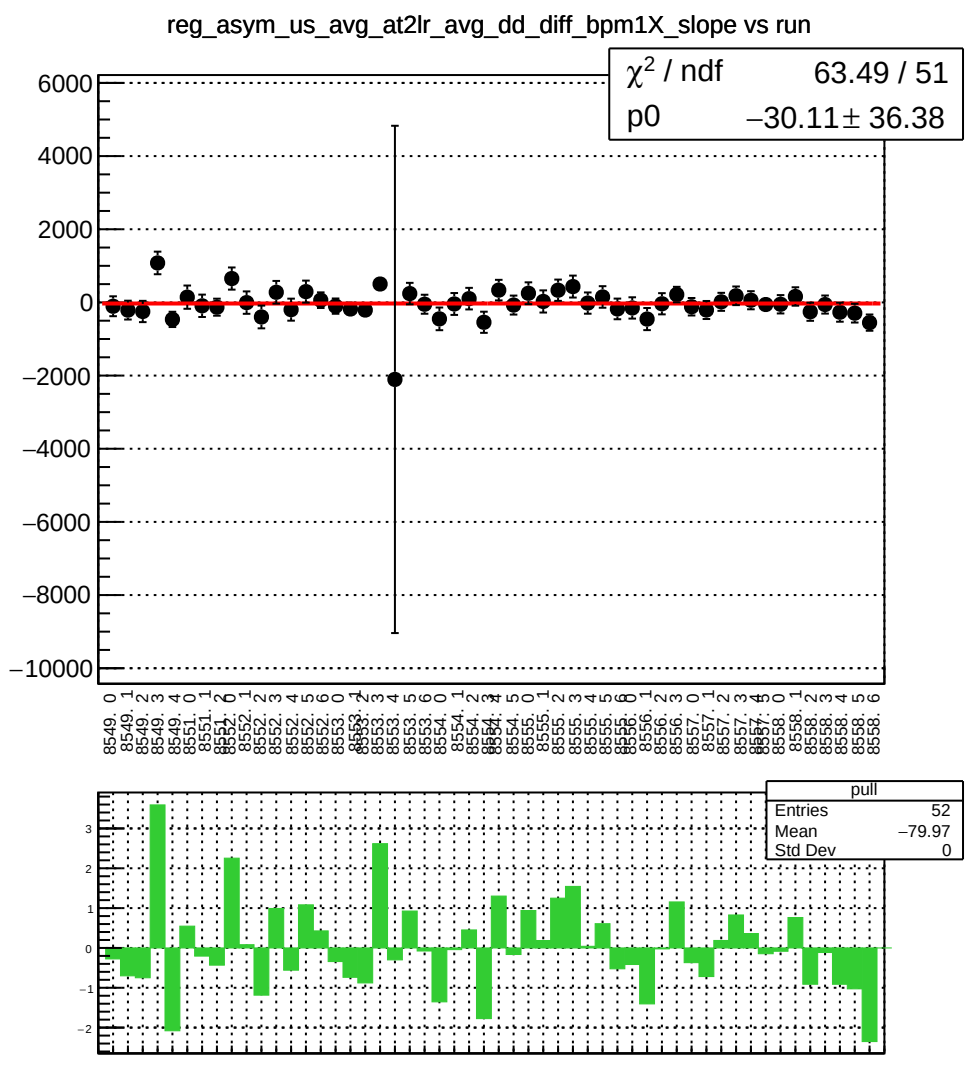

pull1D
Entries 52
Mean 0.01614
Std Dev 1.083

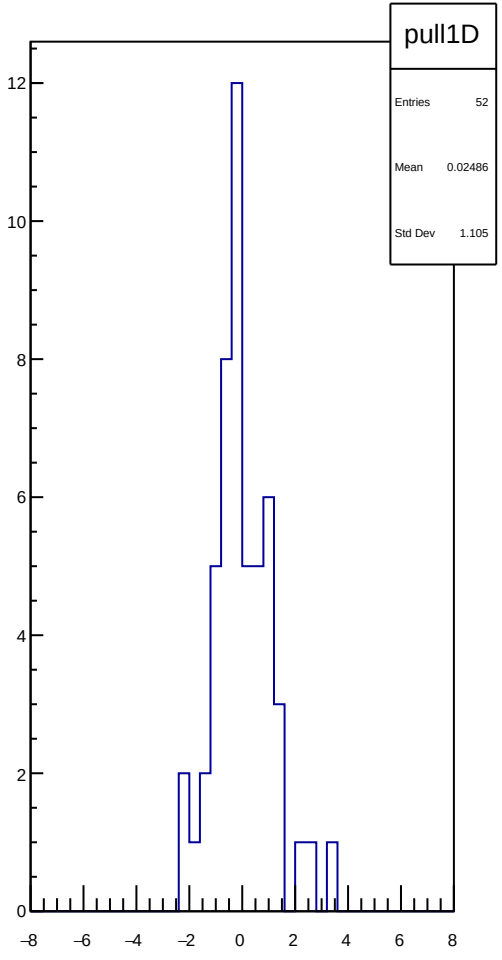

reg_asym_us_avg_at2lr_avg_avg_diff_bpm4eY_slope vs run
χ² / ndf 51.48 / 51
p0 −10.96 ± 65.25
20000
15000
10000
5000
0
−5000
pull
Entries 52
Mean −4.009
Std Dev 0

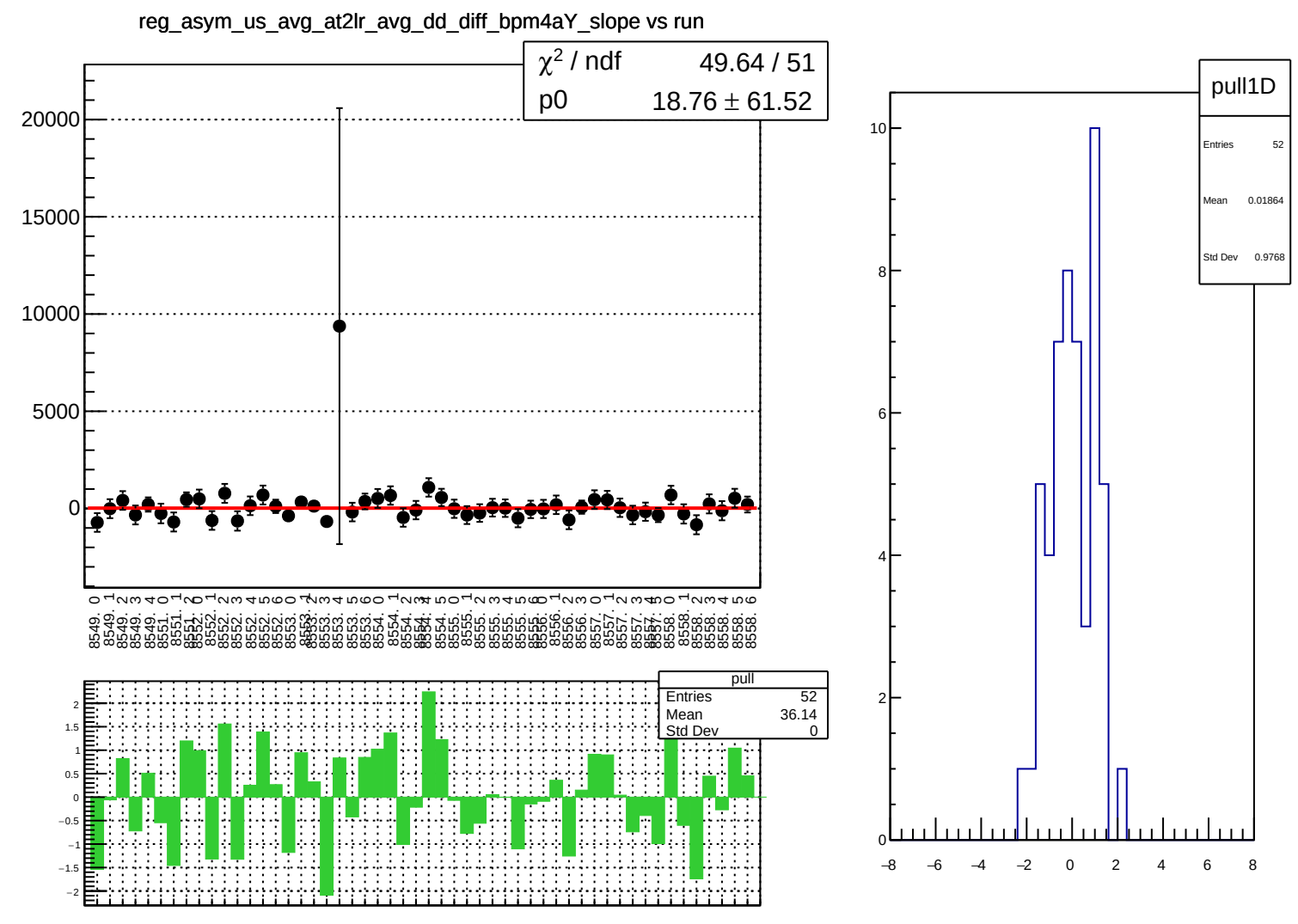

pull1D
Entries 52
Mean 0.01429
Std Dev 0.9949

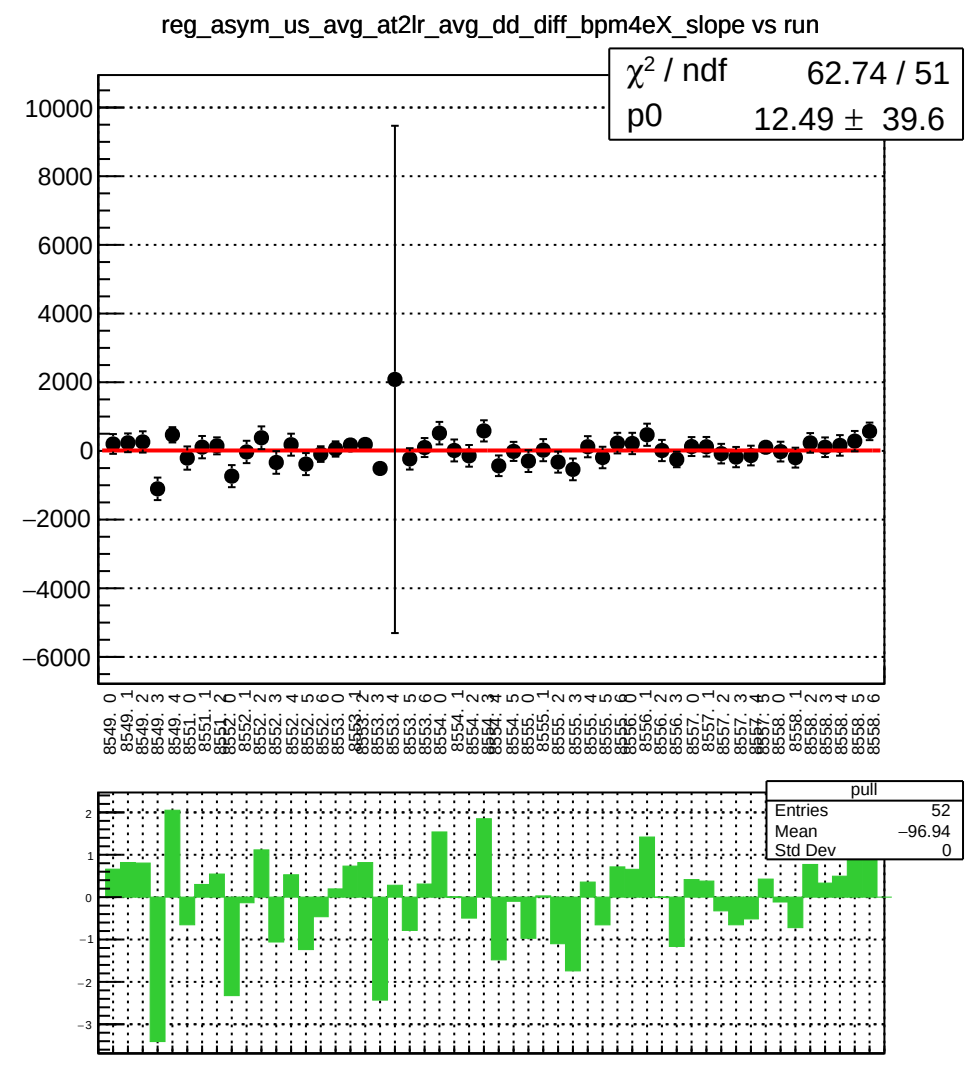

reg_asym_us_avg_at2lr_avg_avg_diff_bpm12X_slope vs run
χ² / ndf 54.37 / 51
p0 −40.09 ± 4.26
pull
Entries 52
Mean 62.66
Std Dev 0

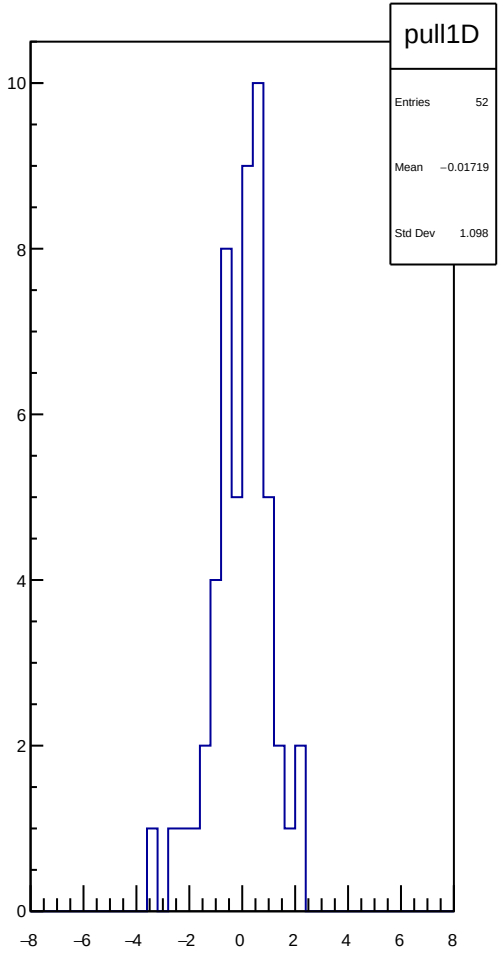

pull1D
Entries 52
Mean 0.01383
Std Dev 1.022

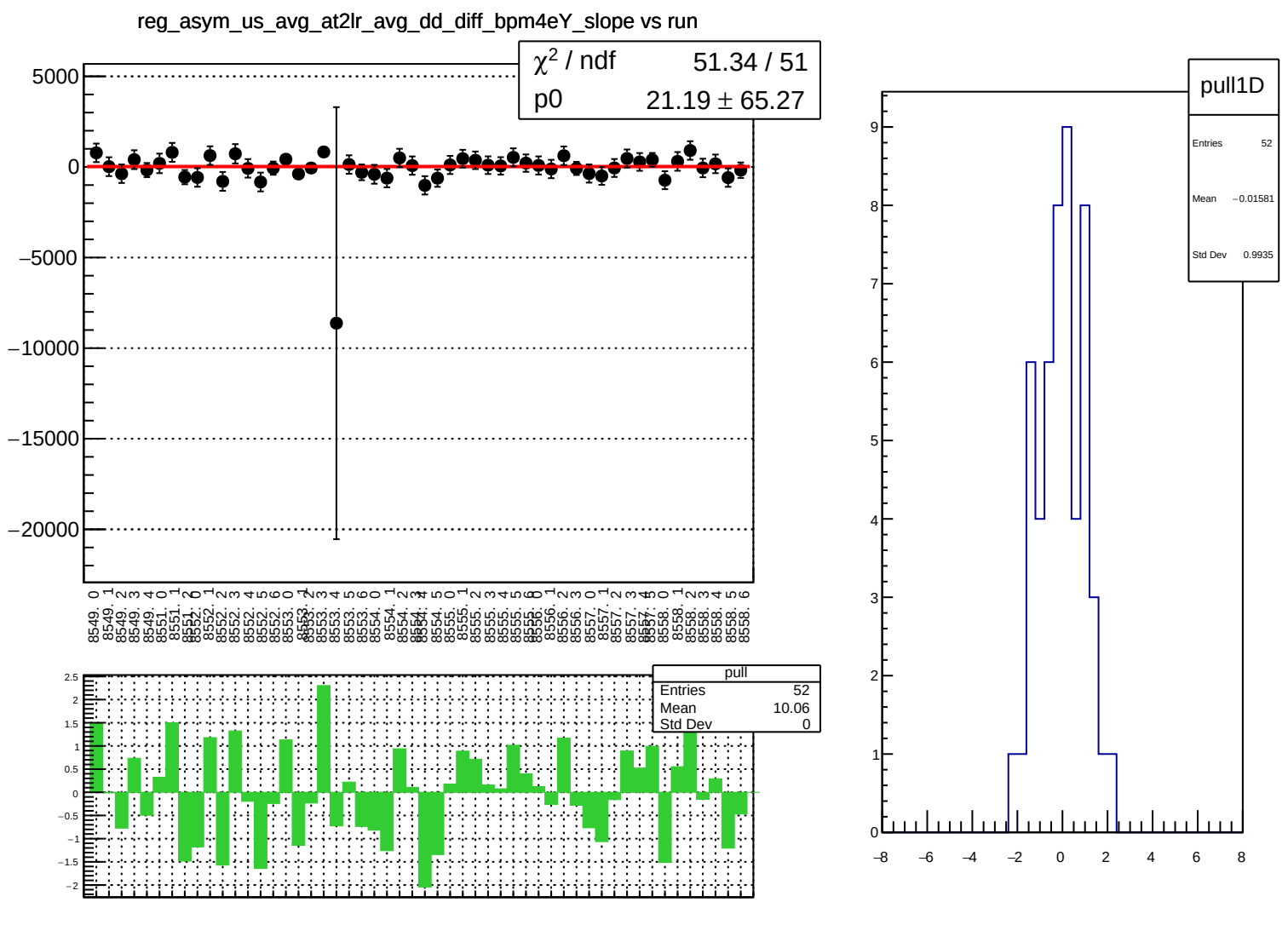

reg_asym_us_avg_at2lr_avg_dd_diff_bpm1X_slope vs run
χ² / ndf 63.49 / 51
p0 −30.11 ± 36.38
pull
Entries 52
Mean −79.97
Std Dev 0

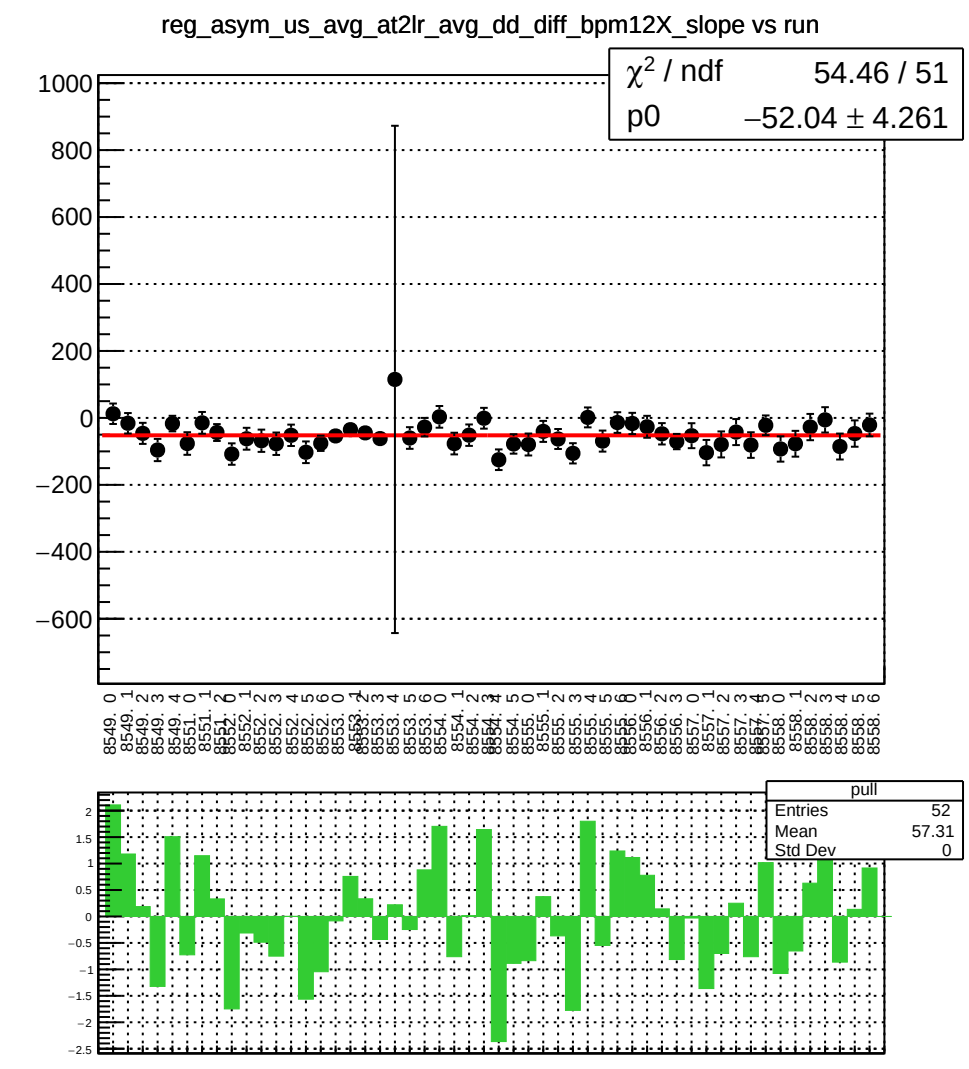

pull1D
Entries 52
Mean 0.02486
Std Dev 1.105

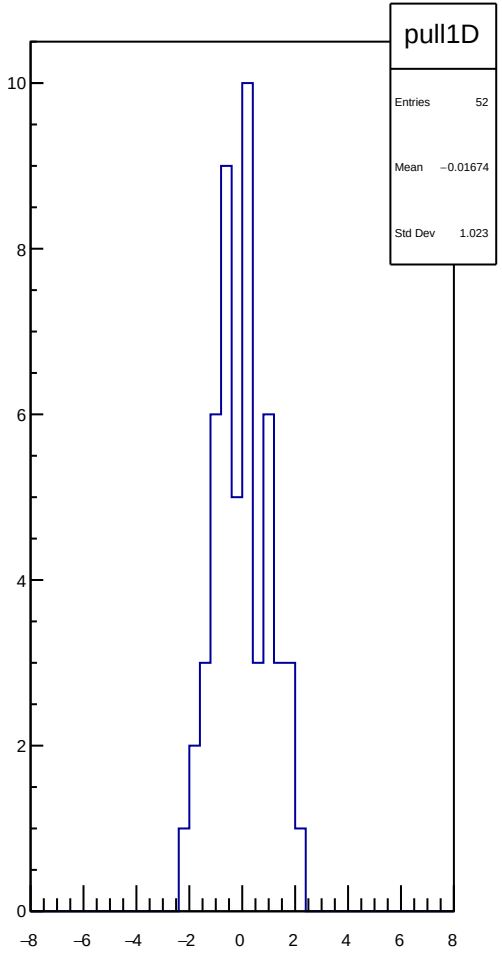

reg_asym_us_avg_at2lr_avg_dd_diff_bpm4aY_slope vs run
χ² / ndf 49.64 / 51
p0 18.76 ± 61.52
20000
15000
10000
5000
0
pull
Entries 52
Mean 36.14
Std Dev 0
pull1D
Entries 52
Mean 0.01864
Std Dev 0.9768
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

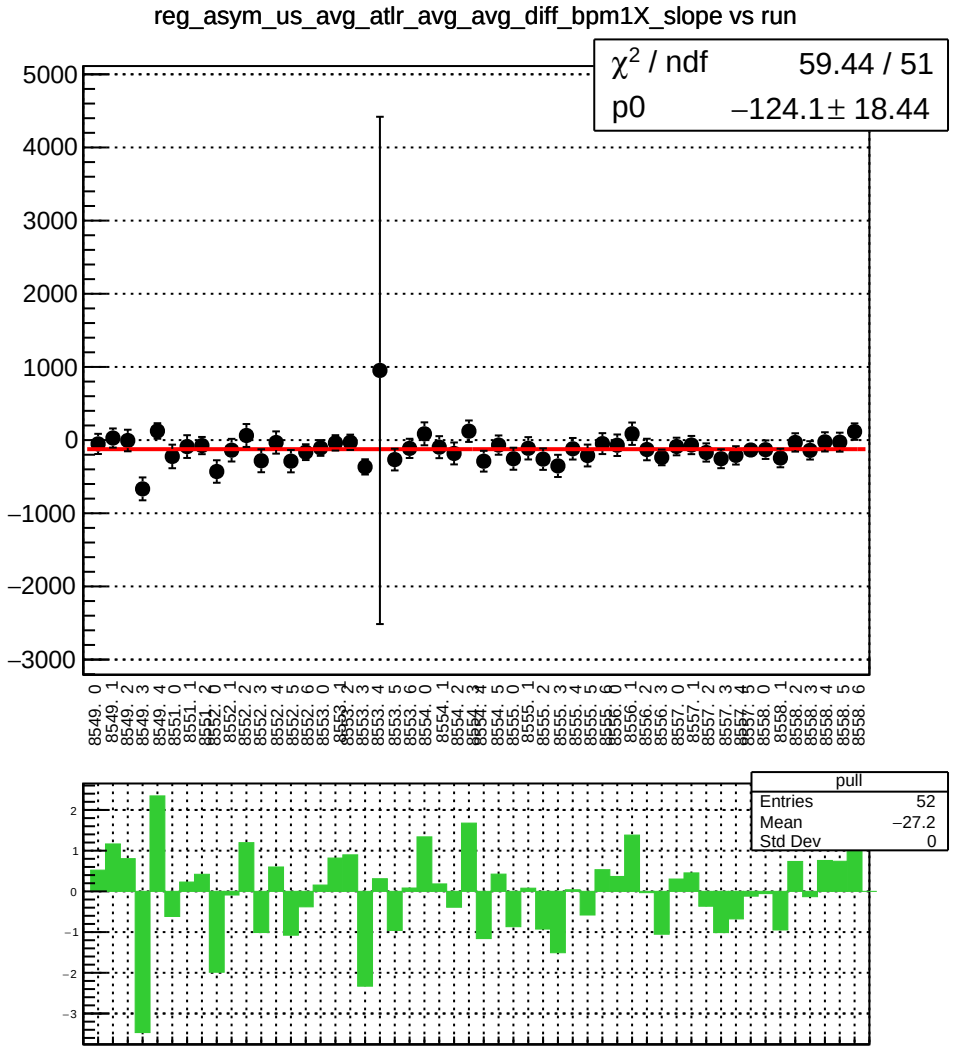

reg_asym_us_avg_at2lr_avg_dd_diff_bpm4eX_slope vs run
χ² / ndf 62.74 / 51
p0 12.49 ± 39.6
pull
Entries 52
Mean −96.94
Std Dev 0

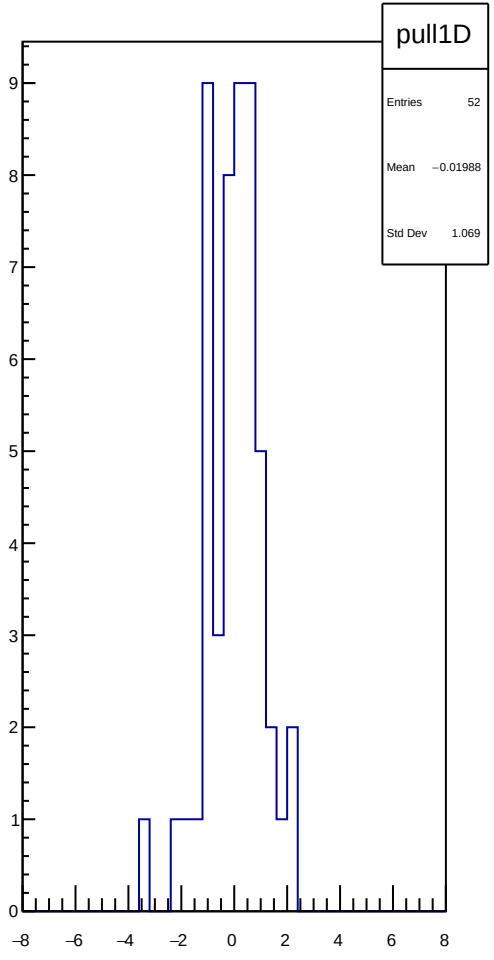

pull1D
Entries 52
Mean −0.01719
Std Dev 1.098

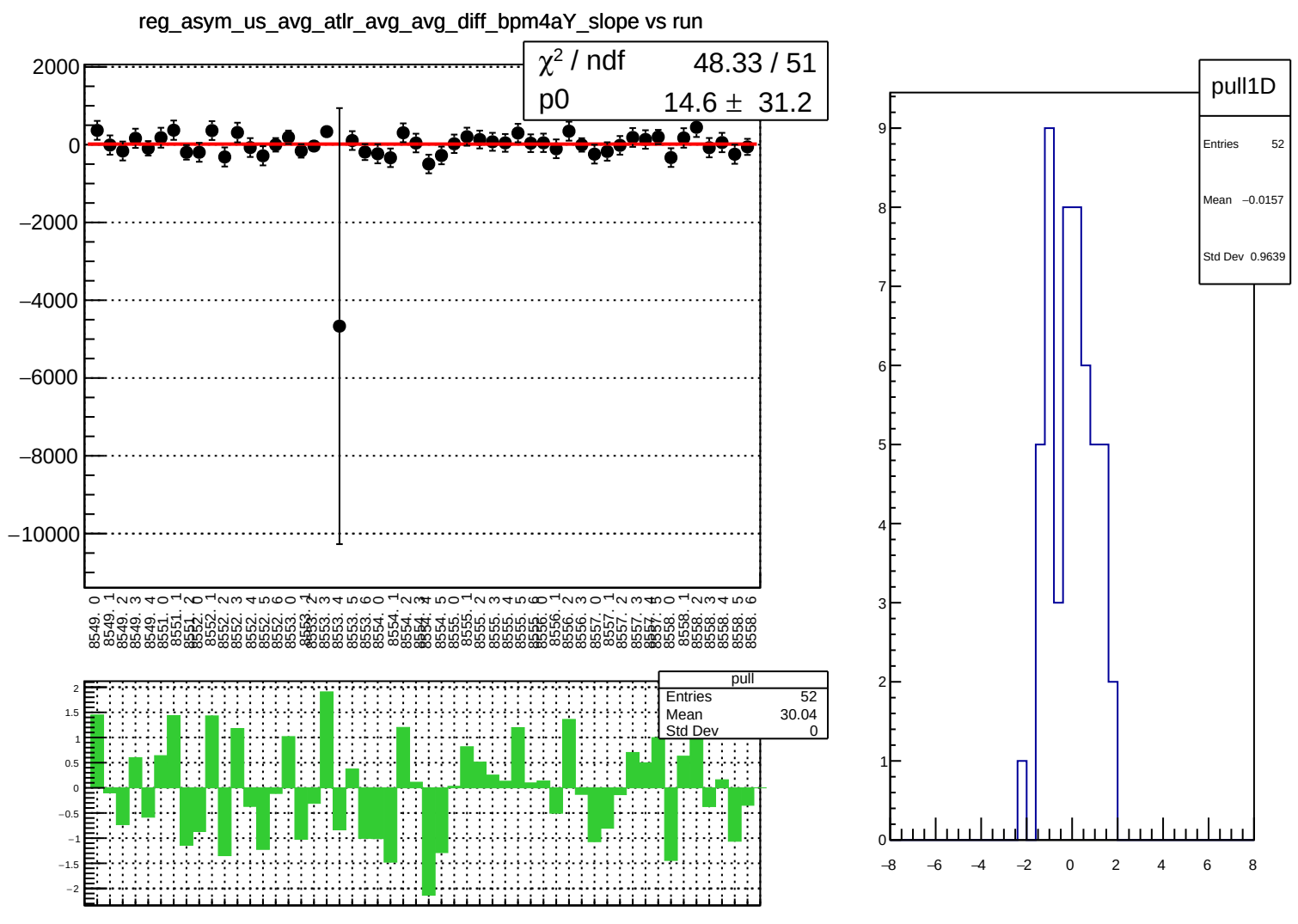

reg_asym_us_avg_at2lr_avg_dd_diff_bpm4eY_slope vs run
χ² / ndf 51.34 / 51
p0 21.19 ± 65.27
5000
0
−5000
−10000
−15000
−20000
pull
Entries 52
Mean 10.06
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 52
Mean −0.01581
Std Dev 0.9935
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

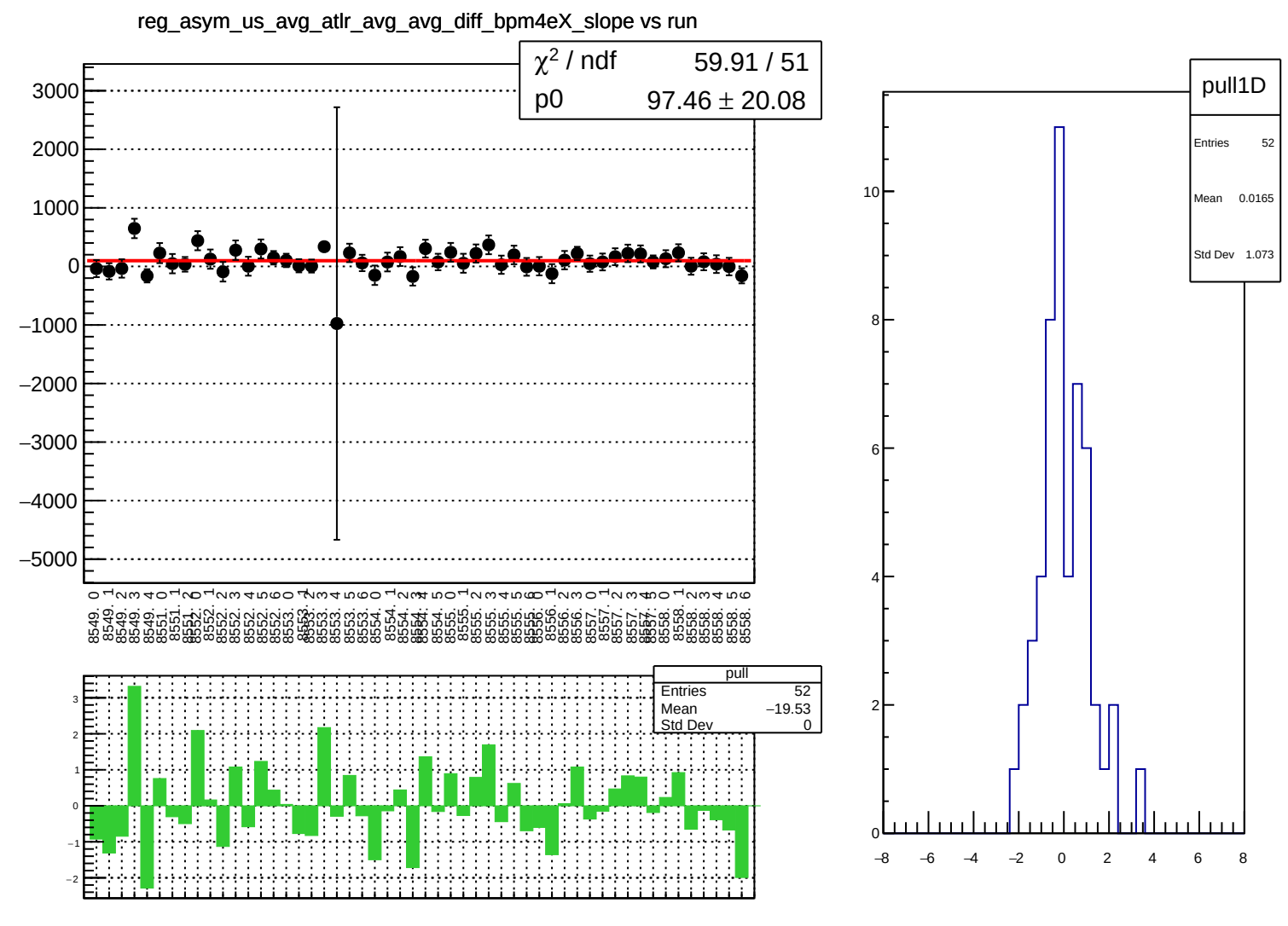

reg_asym_us_avg_at2lr_avg_dd_diff_bpm12X_slope vs run
χ² / ndf 54.46 / 51
p0 −52.04 ± 4.261
pull
Entries 52
Mean 57.31
Std Dev 0

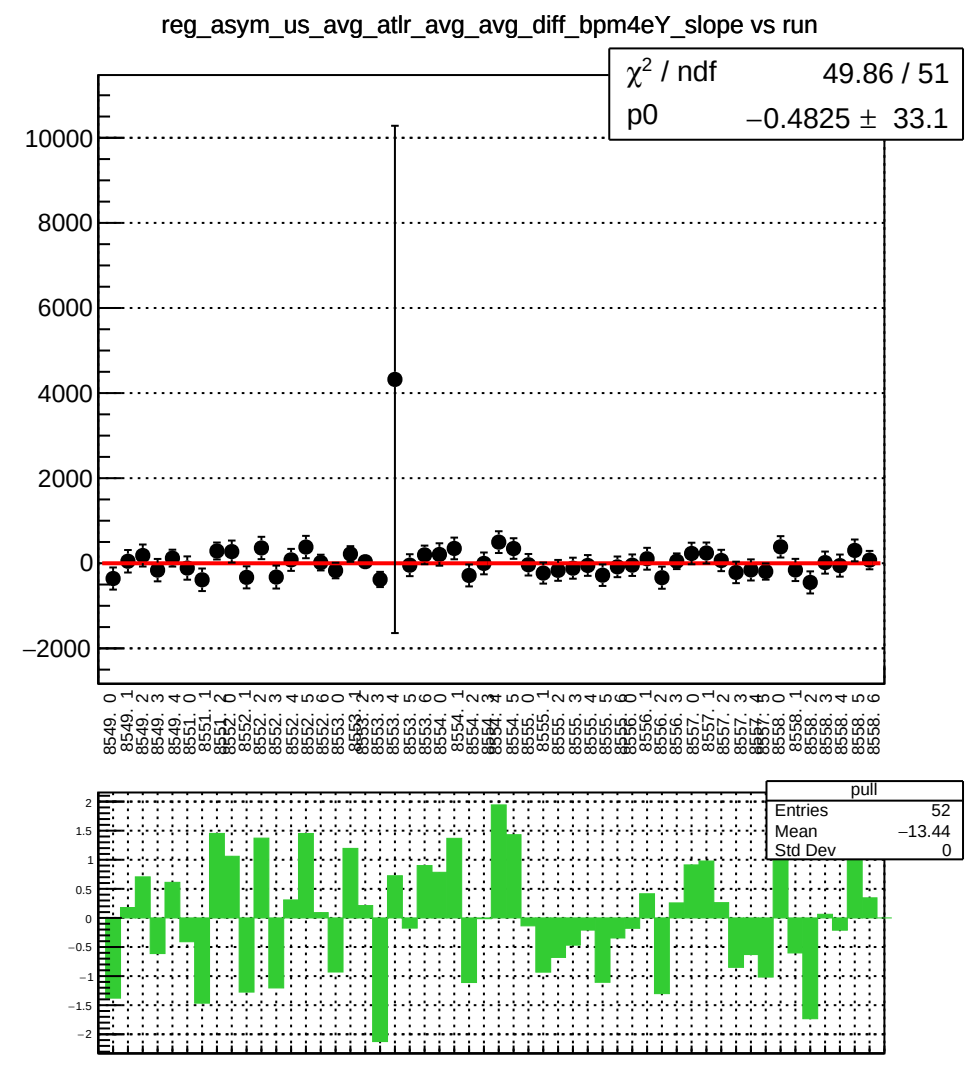

pull1D
Entries 52
Mean −0.01674
Std Dev 1.023

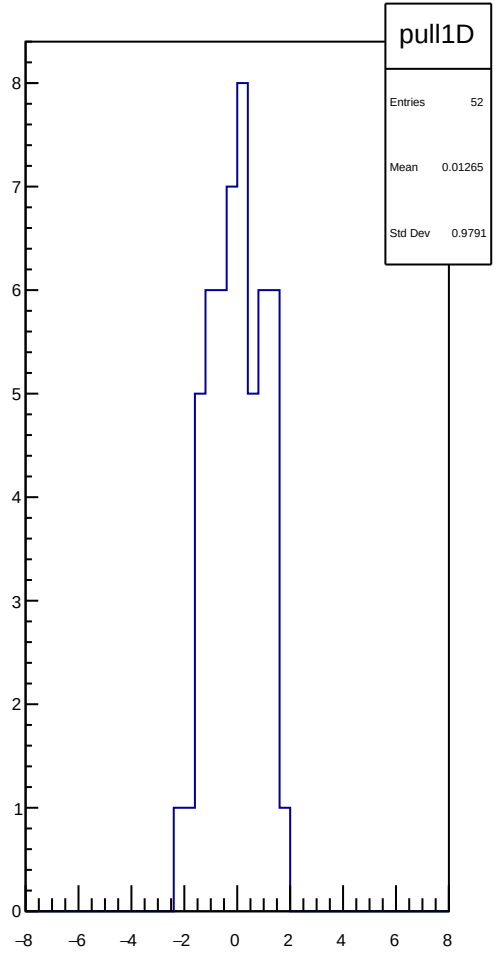

reg_asym_us_avg_atlr_avg_avg_diff_bpm1X_slope vs run
χ² / ndf 59.44 / 51
p0 −124.1± 18.44
pull
Entries 52
Mean −27.2
Std Dev 0

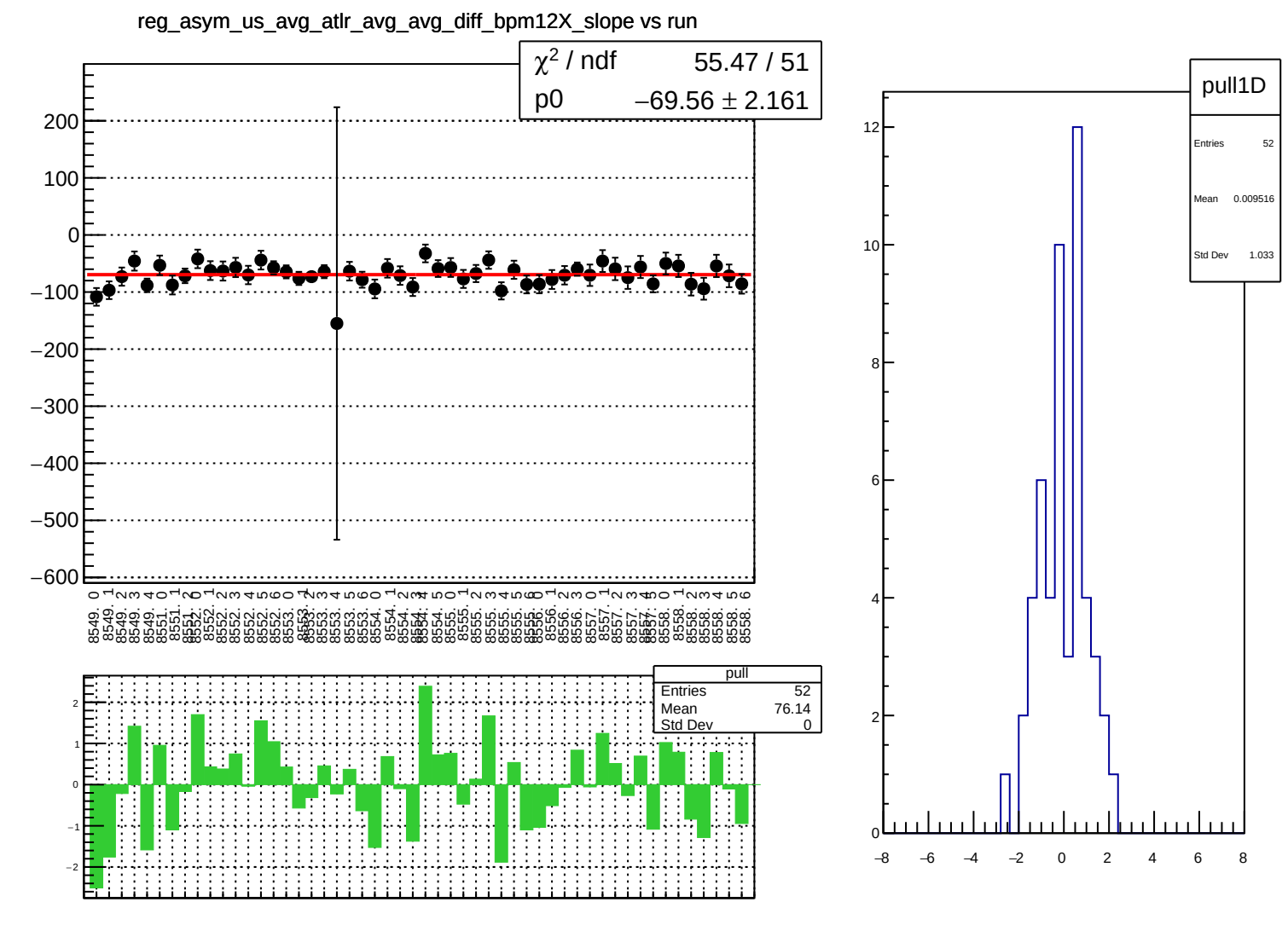

pull1D
Entries 52
Mean −0.01988
Std Dev 1.069

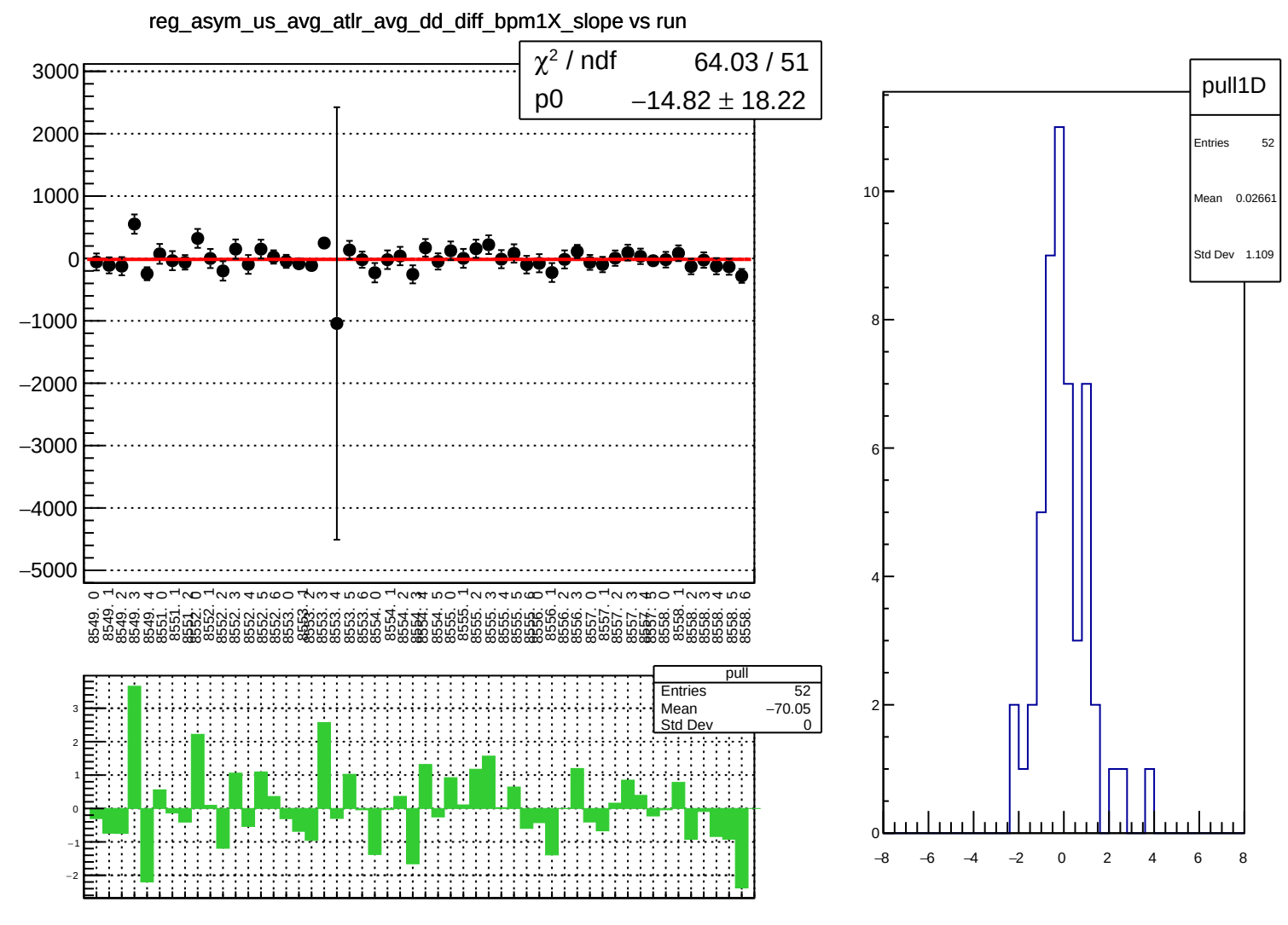

reg_asym_us_avg_atlr_avg_avg_diff_bpm4aY_slope vs run
χ² / ndf 48.33 / 51
p0 14.6 ± 31.2
2000
0
−2000
−4000
−6000
−8000
−10000
pull
Entries 52
Mean 30.04
Std Dev 0
pull1D
Entries 52
Mean −0.0157
Std Dev 0.9639

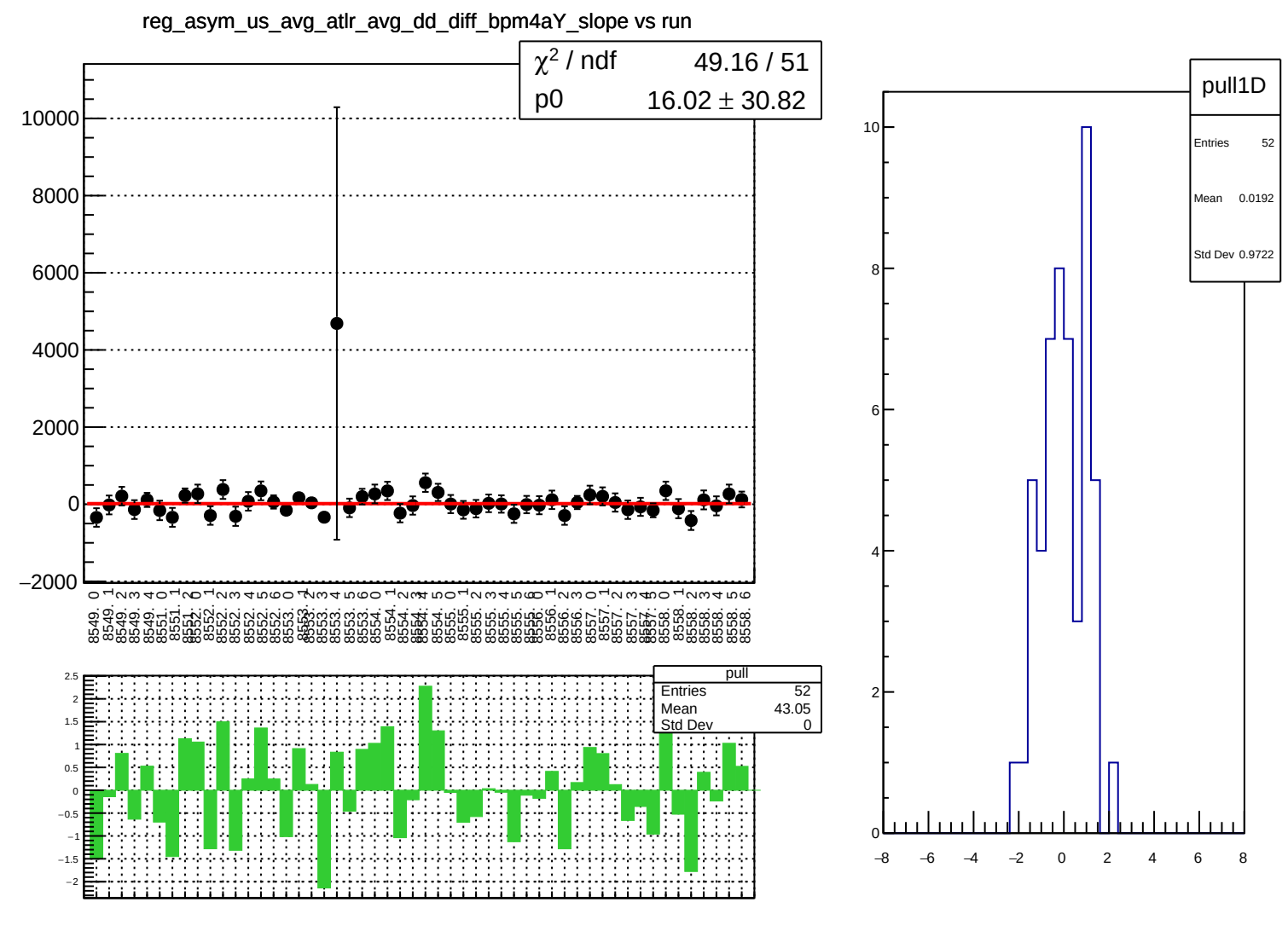

reg_asym_us_avg_atlr_avg_avg_diff_bpm4eX_slope vs run
χ² / ndf 59.91 / 51
p0 97.46 ± 20.08
pull
Entries 52
Mean −19.53
Std Dev 0
pull1D
Entries 52
Mean 0.0165
Std Dev 1.073

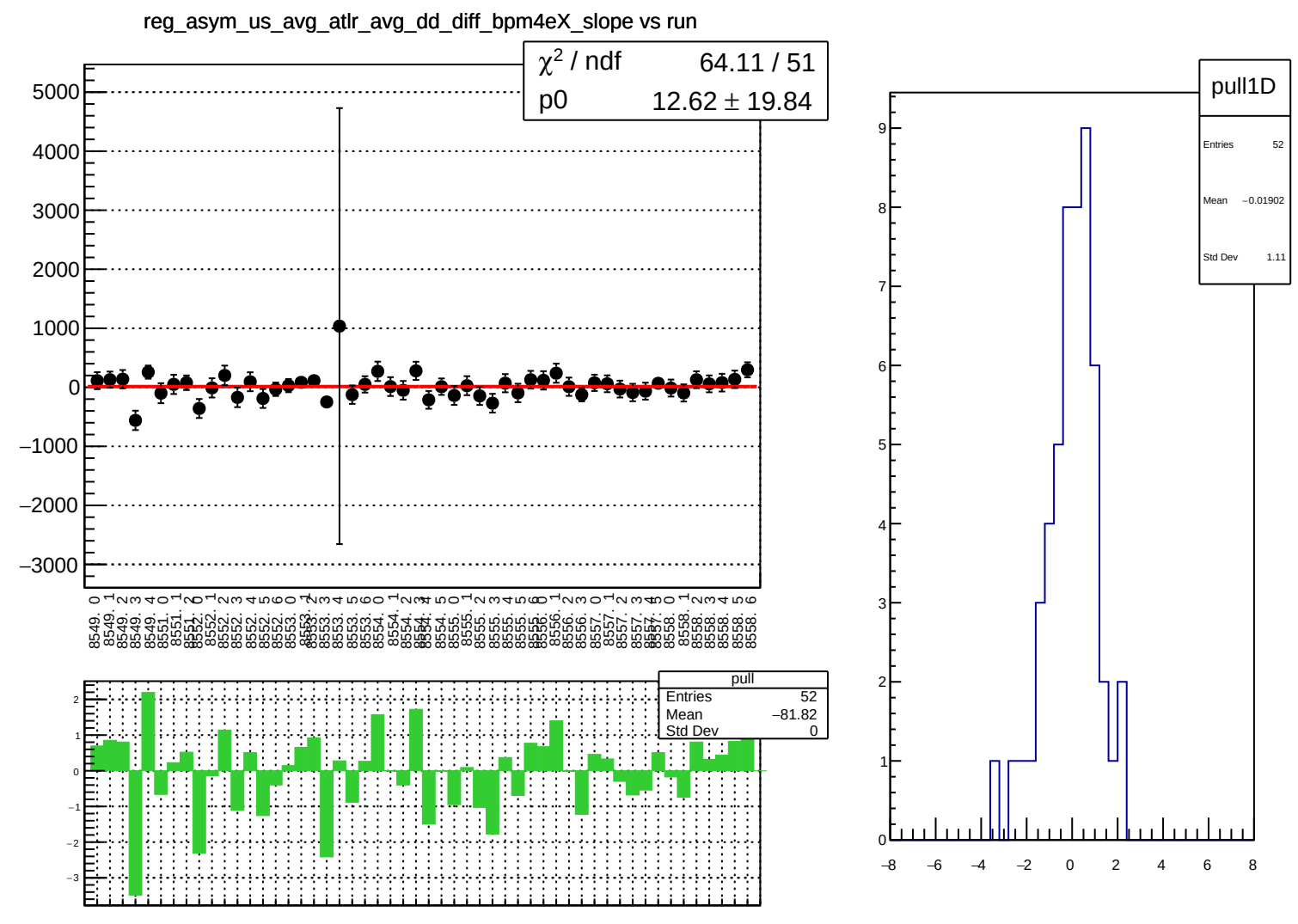

reg_asym_us_avg_atlr_avg_avg_diff_bpm4eY_slope vs run
χ² / ndf 49.86 / 51
p0 −0.4825 ± 33.1
10000
8000
6000
4000
2000
0
−2000
pull
Entries 52
Mean −13.44
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

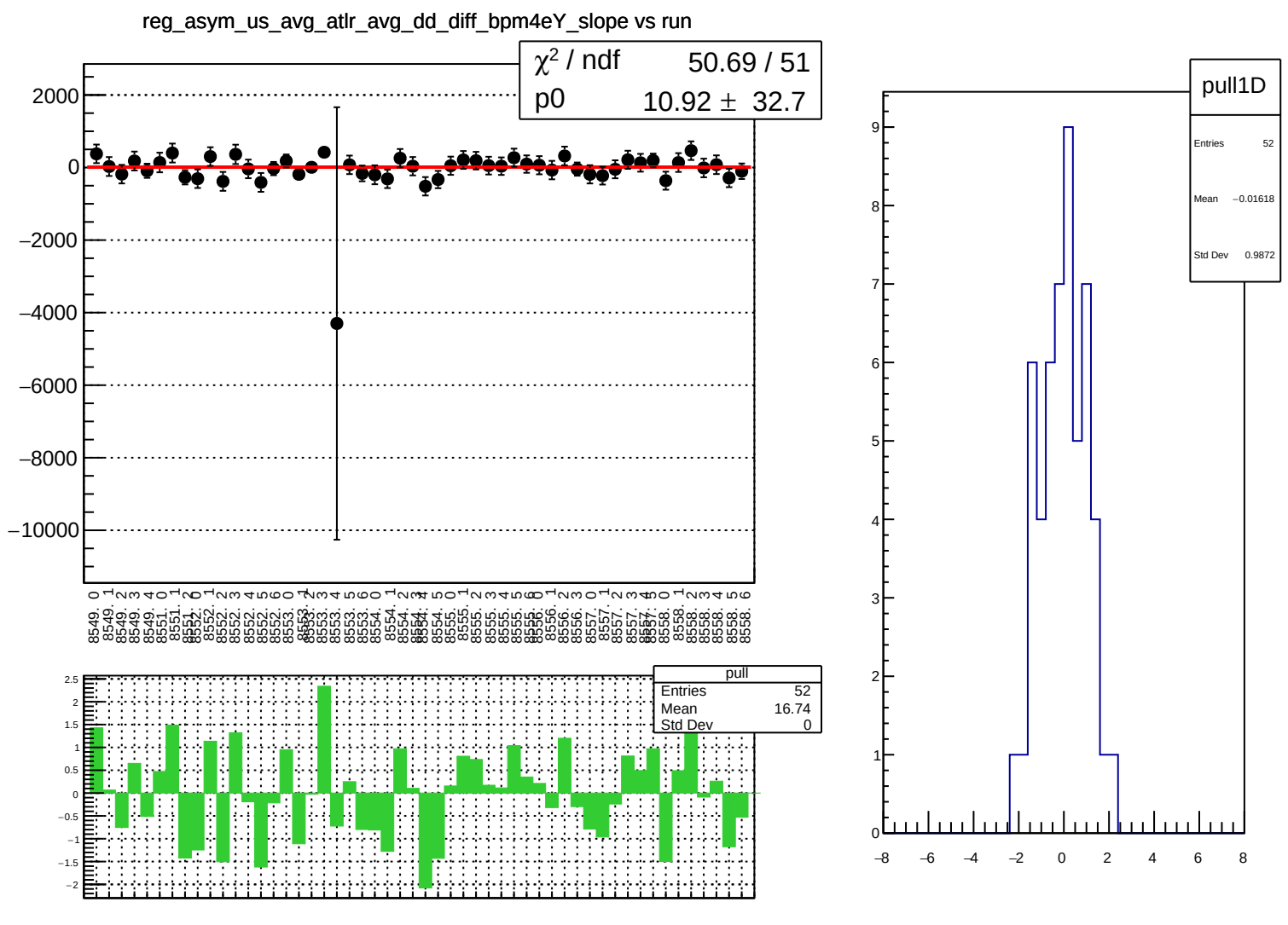

pull1D
Entries 52
Mean 0.01265
Std Dev 0.9791
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

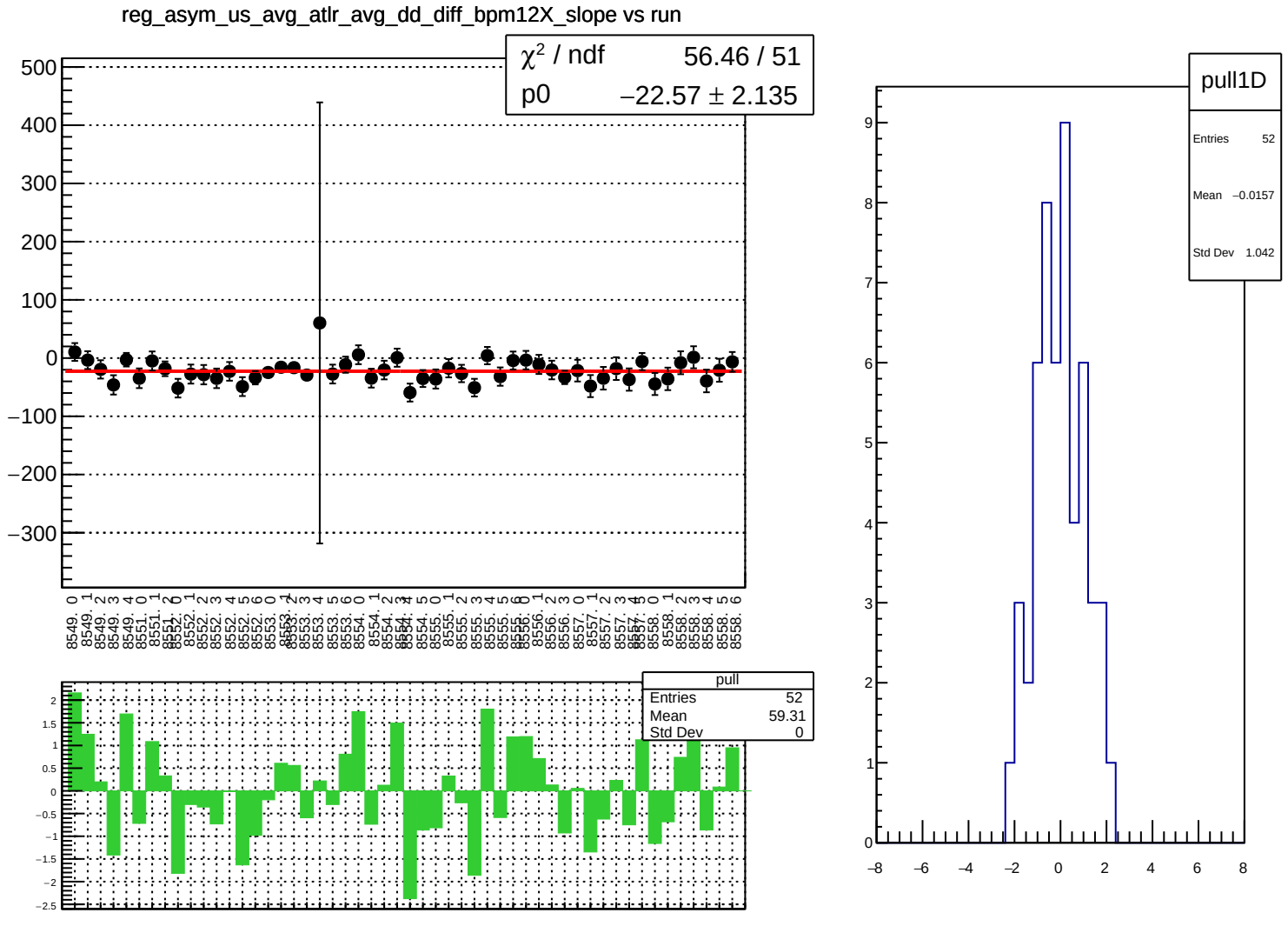

reg_asym_us_avg_atlr_avg_avg_diff_bpm12X_slope vs run
χ² / ndf 55.47 / 51
p0 −69.56 ± 2.161
pull
Entries 52
Mean 76.14
Std Dev 0
pull1D
Entries 52
Mean 0.009516
Std Dev 1.033

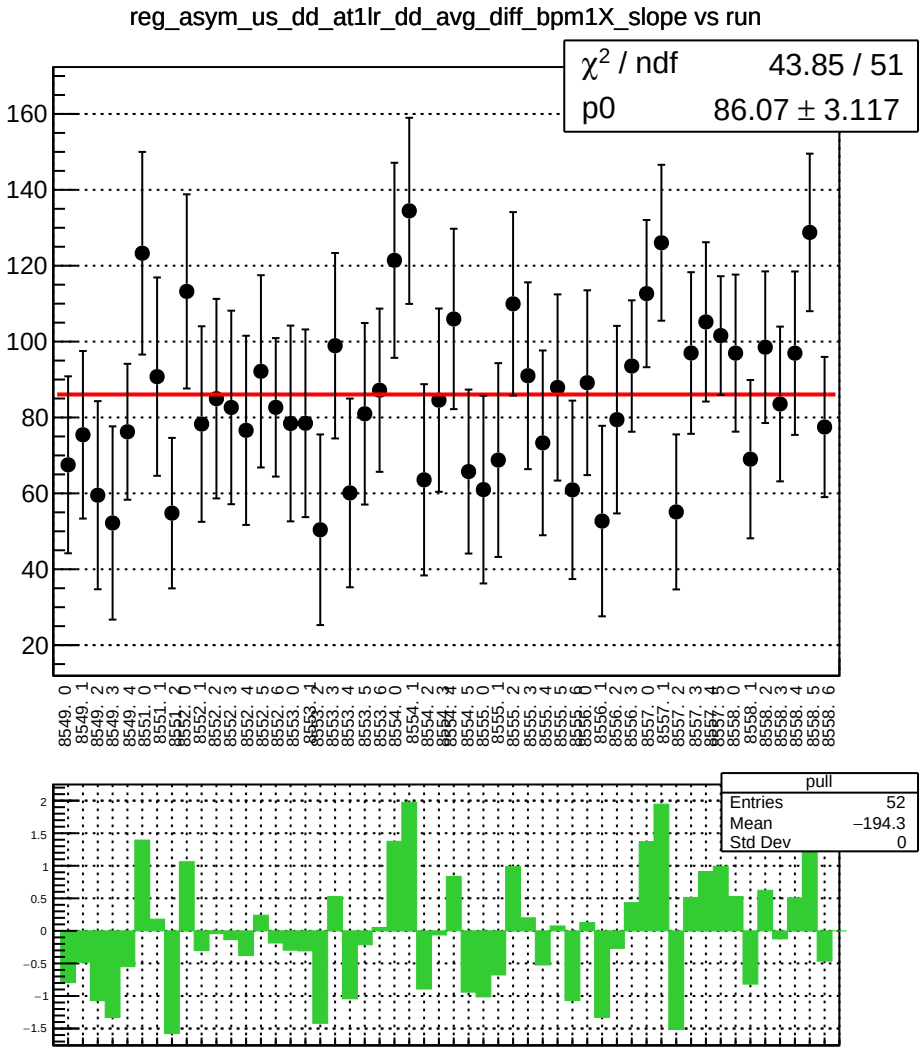

reg_asym_us_avg_atlr_avg_dd_diff_bpm1X_slope vs run
χ² / ndf 64.03 / 51
p0 −14.82 ± 18.22
pull
Entries 52
Mean −70.05
Std Dev 0
pull1D
Entries 52
Mean 0.02661
Std Dev 1.109

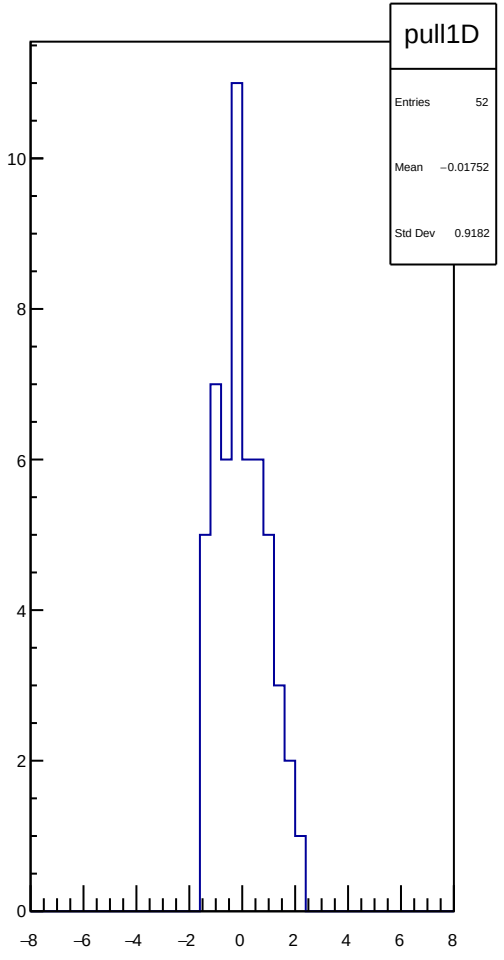

reg_asym_us_avg_atlr_avg_dd_diff_bpm4aY_slope vs run
χ² / ndf 49.16 / 51
p0 16.02 ± 30.82
pull
Entries 52
Mean 43.05
Std Dev 0
pull1D
Entries 52
Mean 0.0192
Std Dev 0.9722

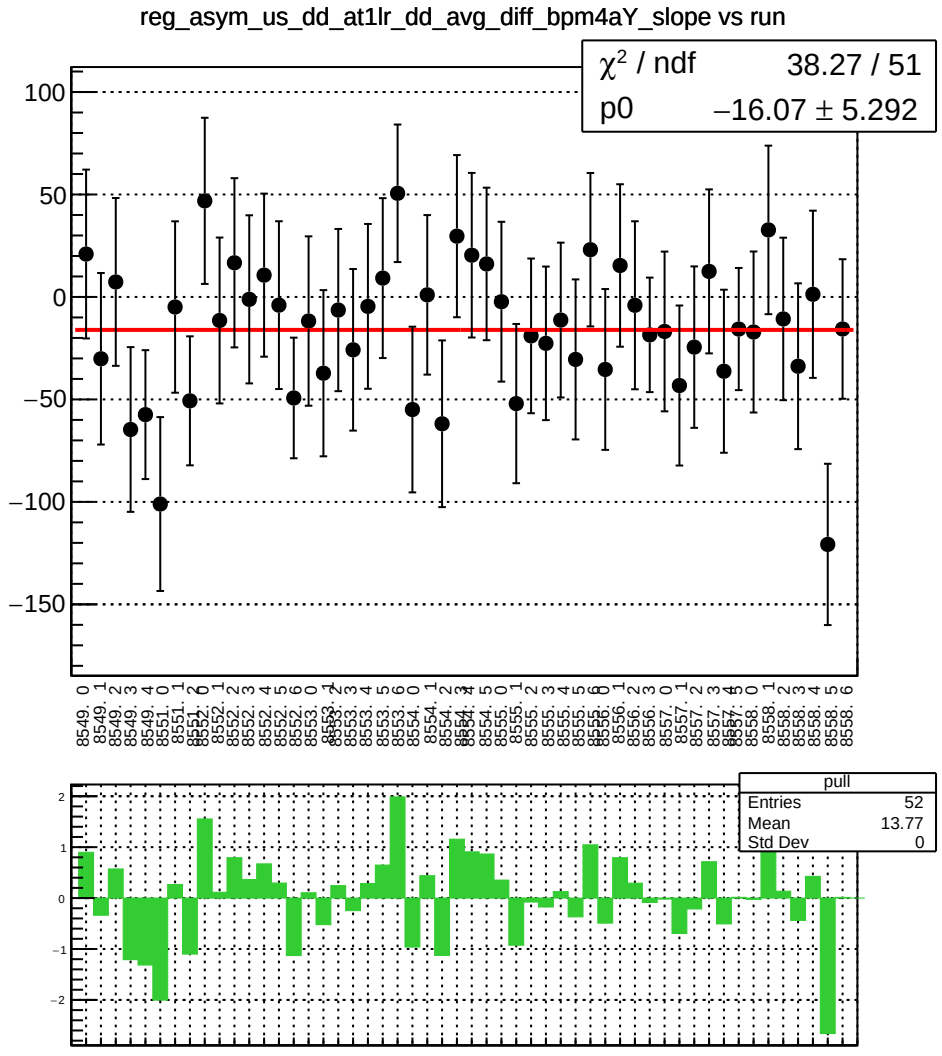

reg_asym_us_avg_atlr_avg_dd_diff_bpm4eX_slope vs run
χ² / ndf 64.11 / 51
p0 12.62 ± 19.84
pull
Entries 52
Mean −81.82
Std Dev 0
pull1D
Entries 52
Mean −0.01902
Std Dev 1.11

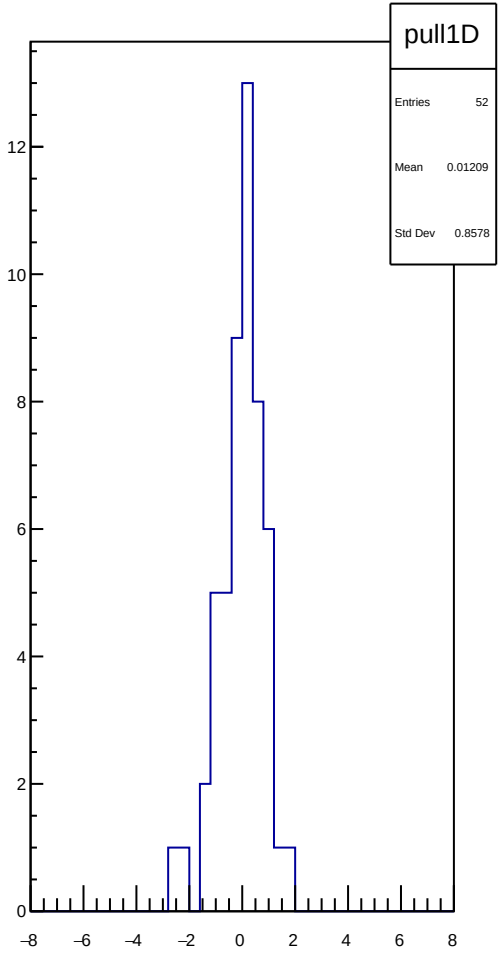

reg_asym_us_avg_atlr_avg_dd_diff_bpm4eY_slope vs run
χ² / ndf 50.69 / 51
p0 10.92 ± 32.7
2000
0
−2000
−4000
−6000
−8000
−10000
pull
Entries 52
Mean 16.74
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 52
Mean −0.01618
Std Dev 0.9872
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

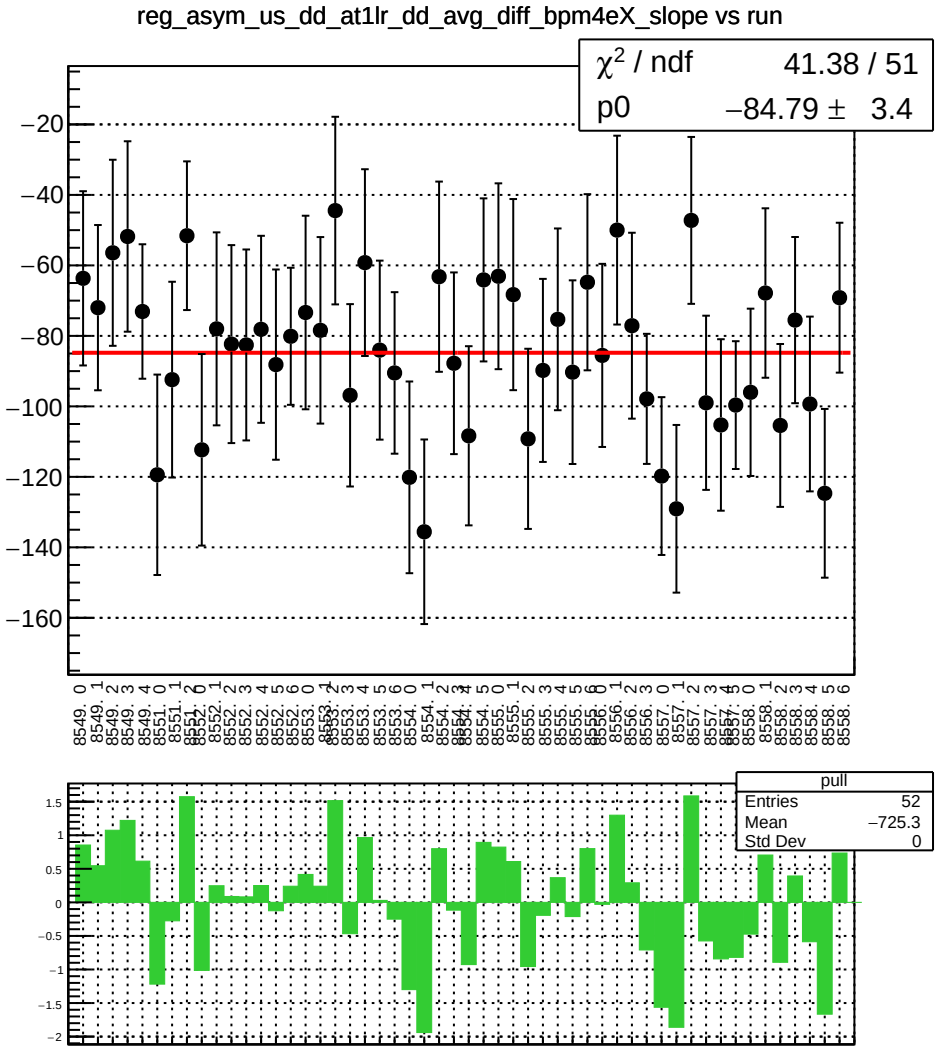

reg_asym_us_avg_atlr_avg_dd_diff_bpm12X_slope vs run
χ² / ndf 56.46 / 51
p0 −22.57 ± 2.135
pull
Entries 52
Mean 59.31
Std Dev 0
pull1D
Entries 52
Mean −0.0157
Std Dev 1.042

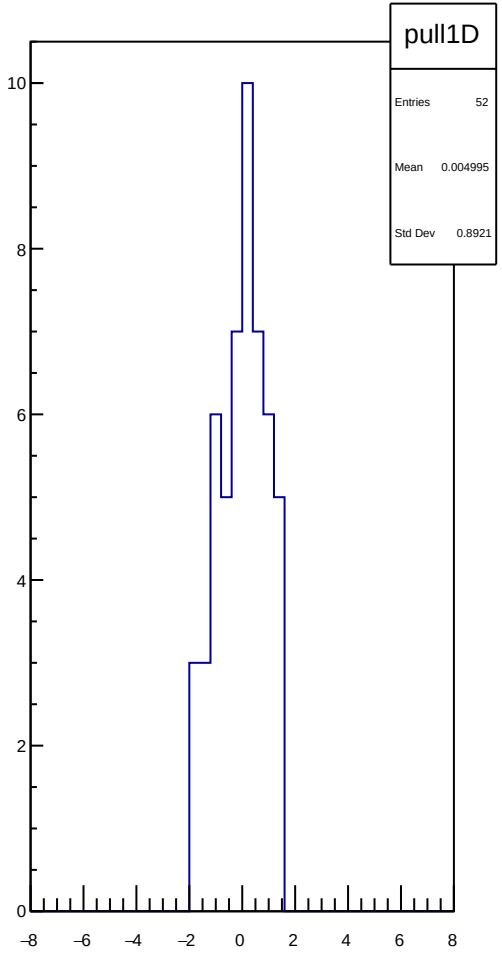

reg_asym_us_dd_at1lr_dd_avg_diff_bpm1X_slope vs run
χ² / ndf 43.85 / 51
p0 86.07 ± 3.117
pull
Entries 52
Mean −194.3
Std Dev 0

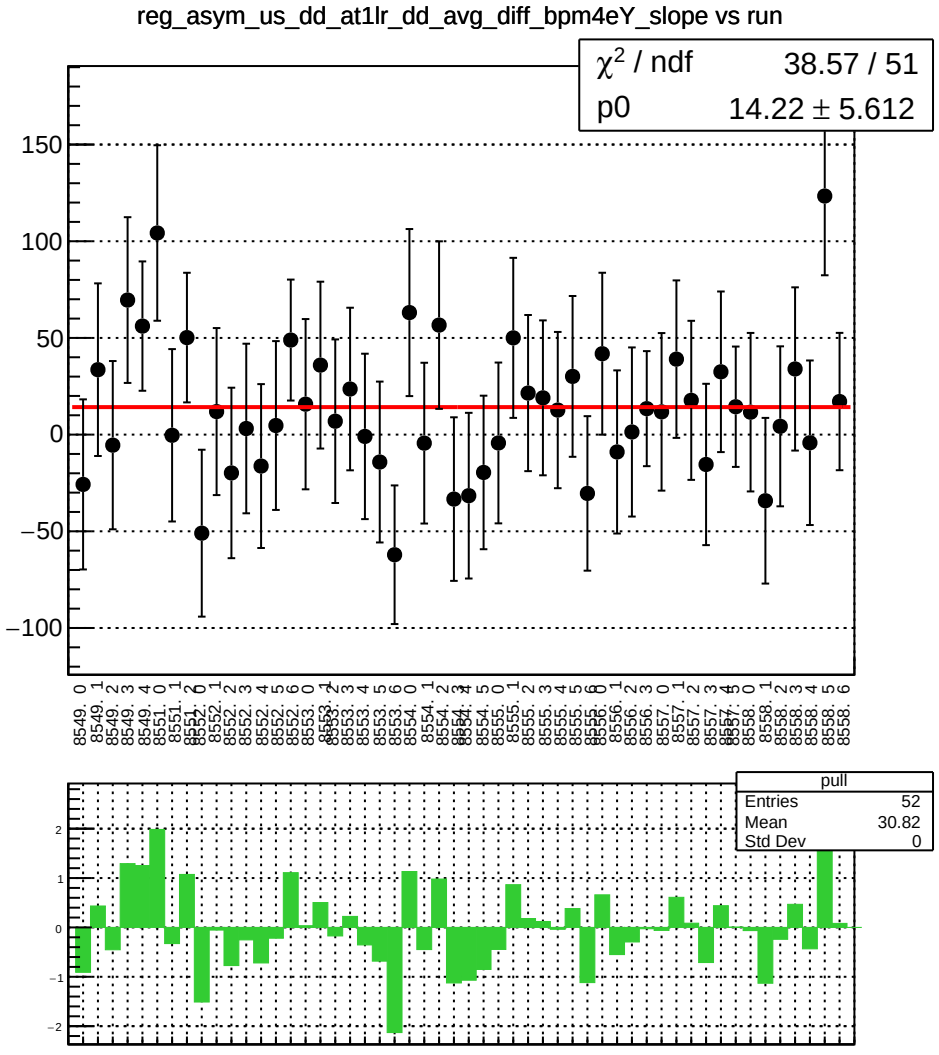

pull1D
Entries 52
Mean −0.01752
Std Dev 0.9182

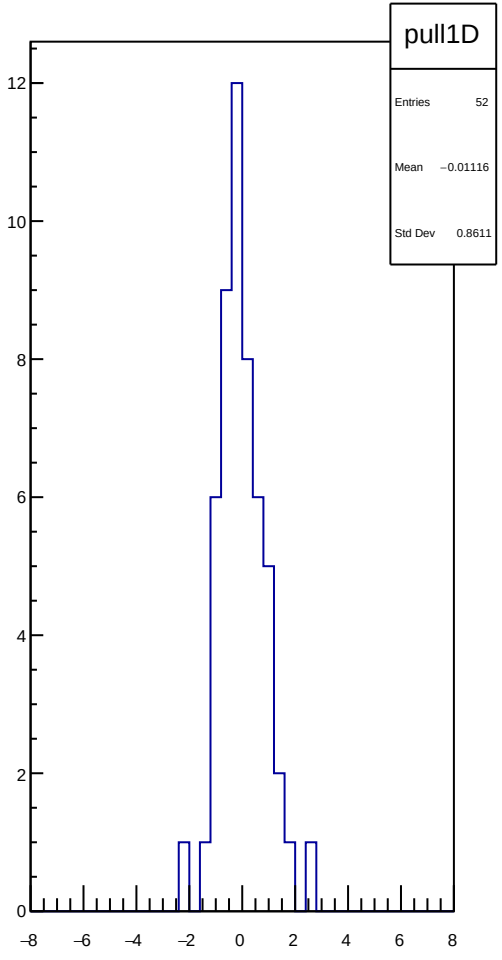

reg_asym_us_dd_at1lr_dd_avg_diff_bpm4aY_slope vs run
χ² / ndf 38.27 / 51
p0 −16.07 ± 5.292
pull
Entries 52
Mean 13.77
Std Dev 0

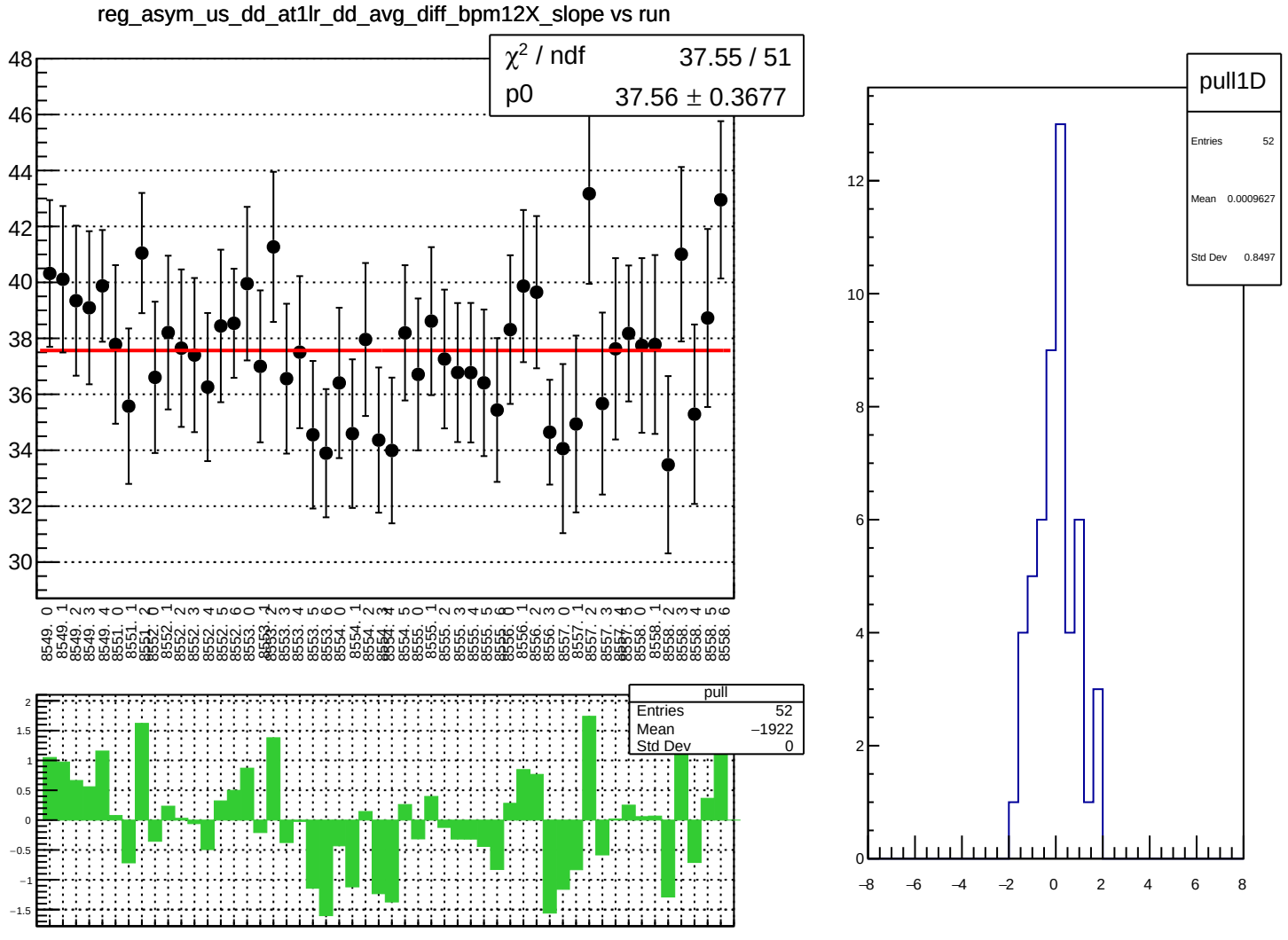

pull1D
Entries 52
Mean 0.01209
Std Dev 0.8578

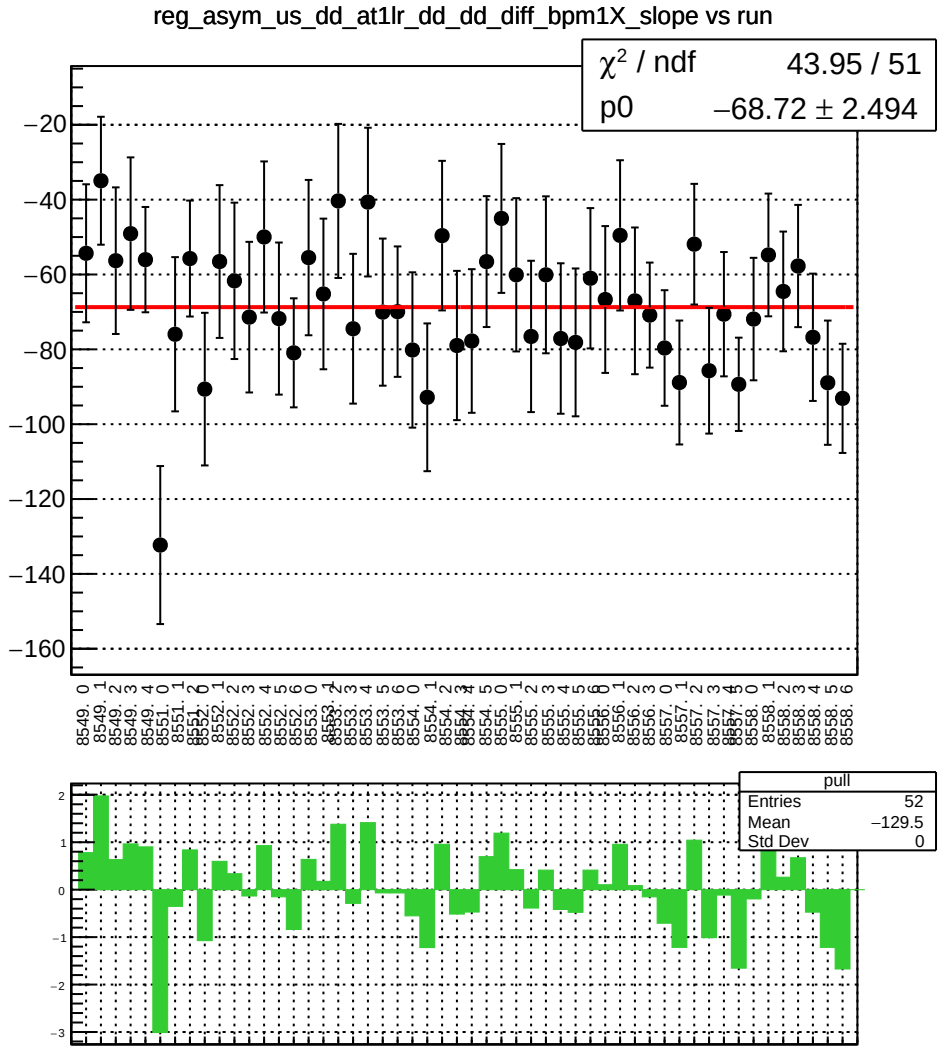

reg_asym_us_dd_at1lr_dd_avg_diff_bpm4eX_slope vs run
χ² / ndf 41.38 / 51
p0 −84.79 ± 3.4
pull
Entries 52
Mean −725.3
Std Dev 0

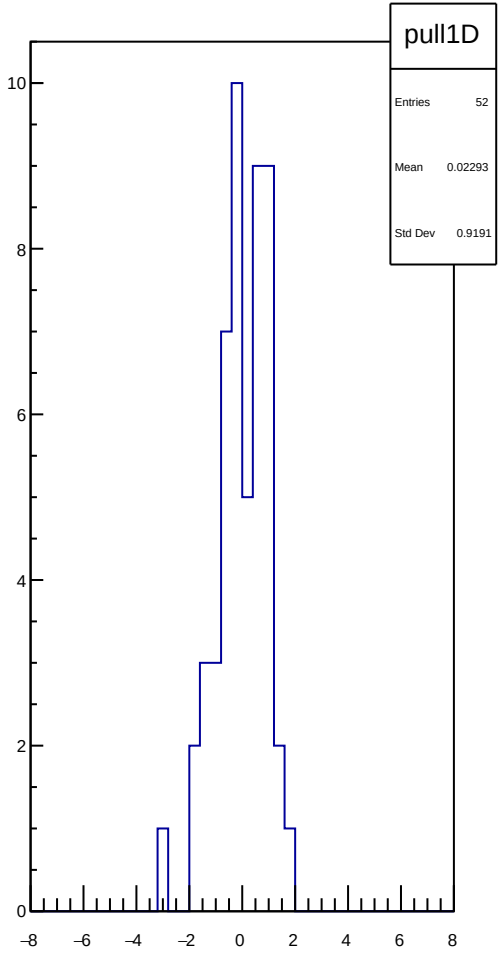

pull1D
Entries 52
Mean 0.004995
Std Dev 0.8921

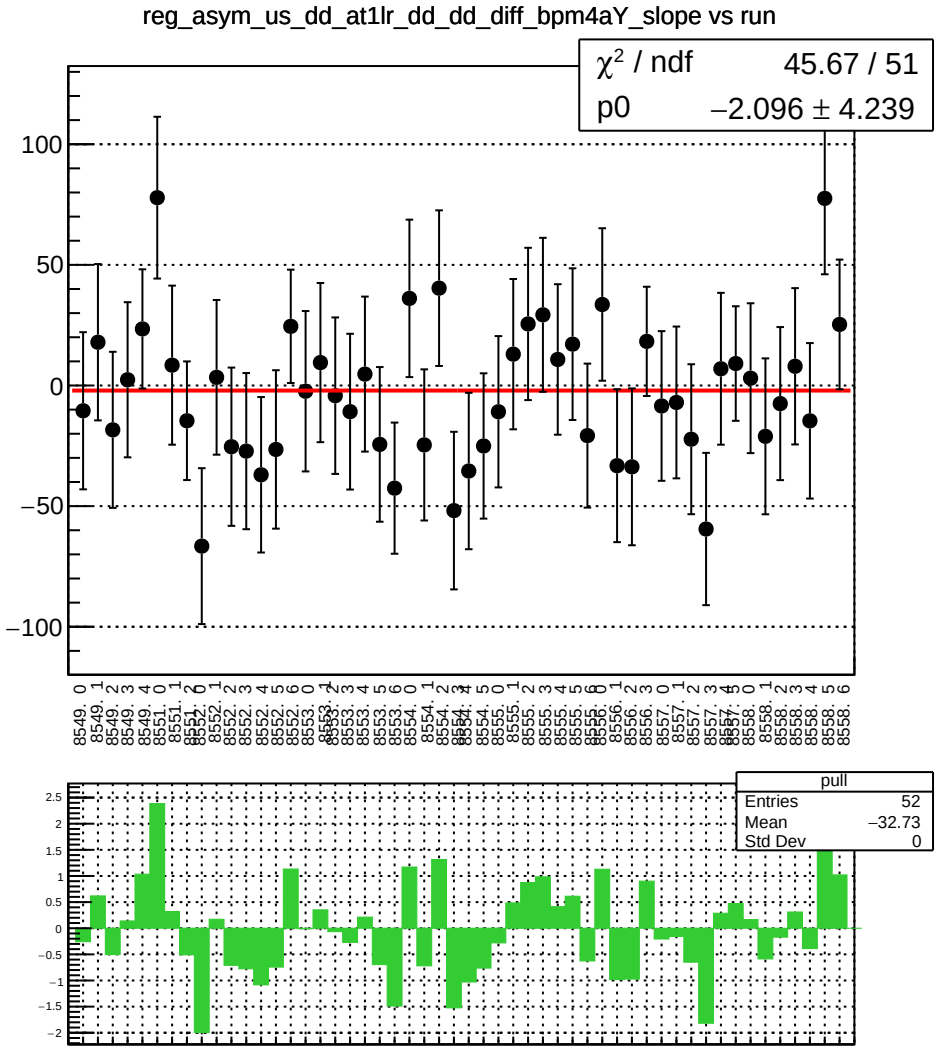

reg_asym_us_dd_at1lr_dd_avg_diff_bpm4eY_slope vs run
χ² / ndf 38.57 / 51
p0 14.22 ± 5.612
pull
Entries 52
Mean 30.82
Std Dev 0

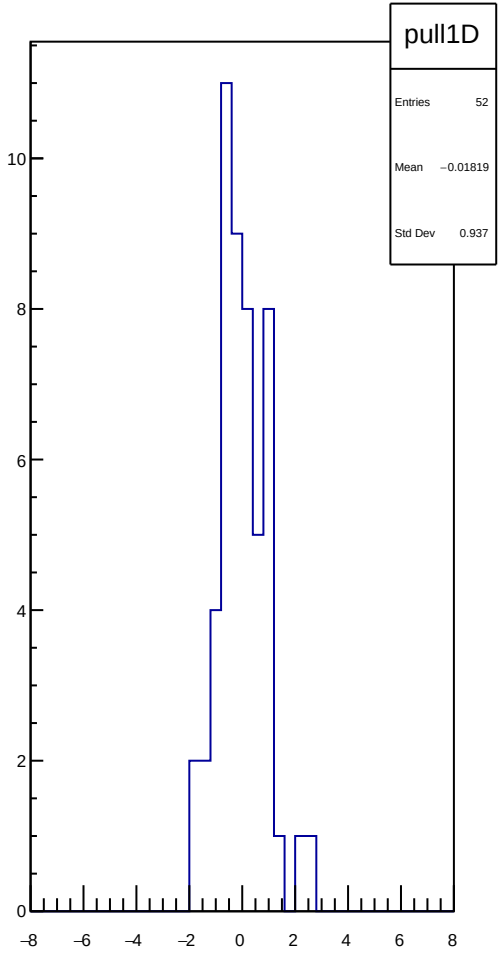

pull1D
Entries 52
Mean −0.01116
Std Dev 0.8611

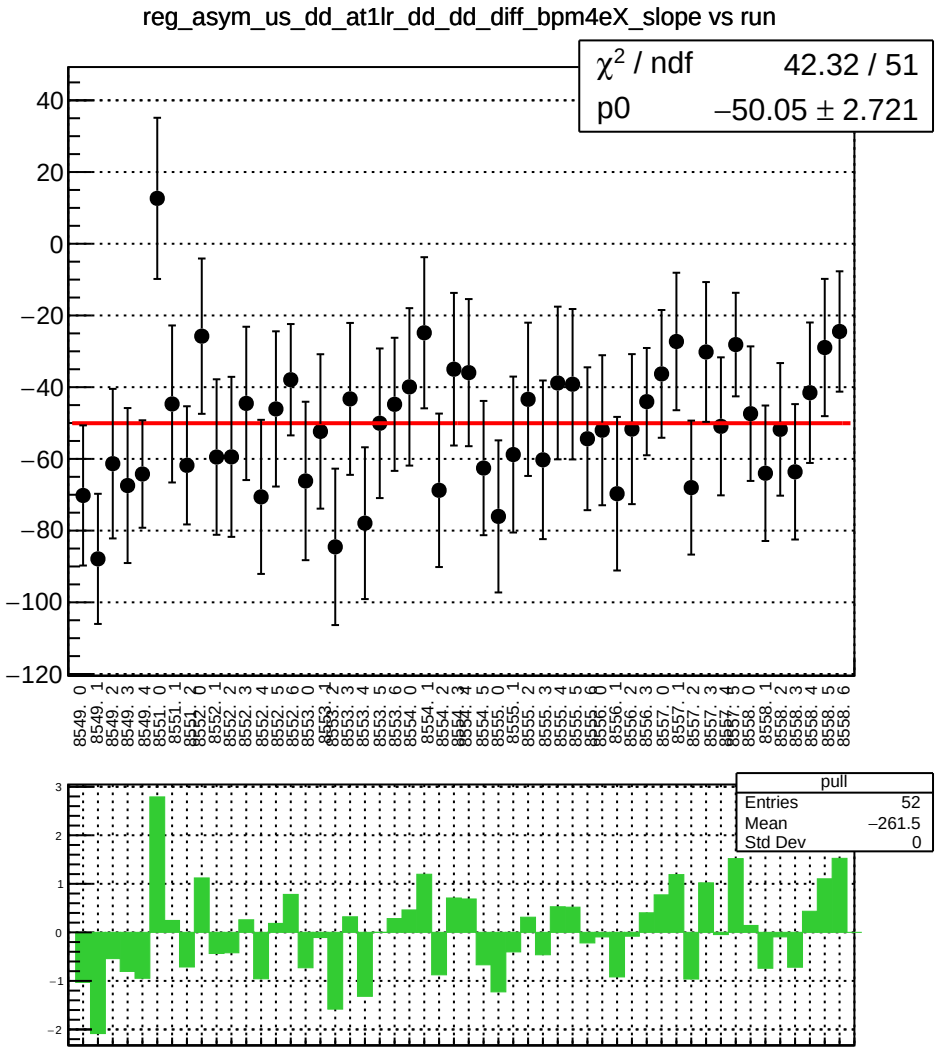

reg_asym_us_dd_at1lr_dd_avg_diff_bpm12X_slope vs run
χ² / ndf 37.55 / 51
p0 37.56 ± 0.3677
pull
Entries 52
Mean −1922
Std Dev 0
pull1D
Entries 52
Mean 0.0009627
Std Dev 0.8497

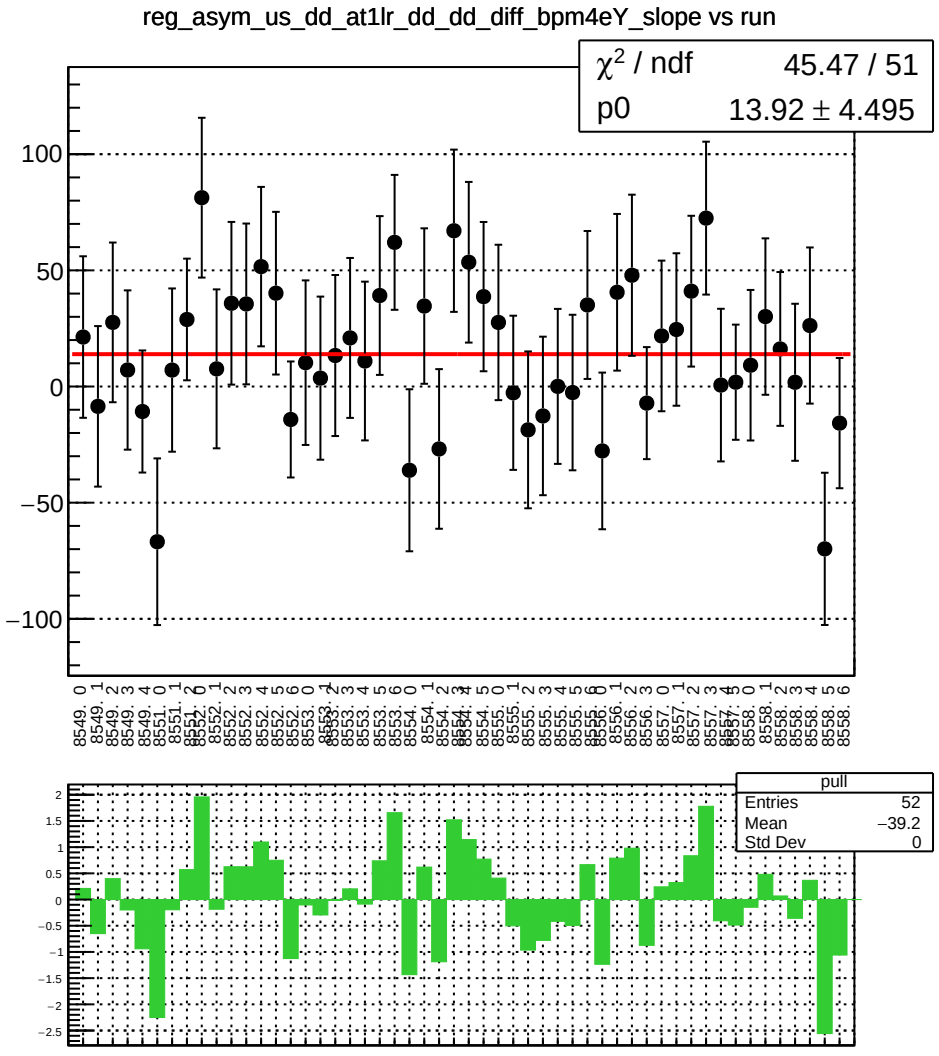

reg_asym_us_dd_at1lr_dd_dd_diff_bpm1X_slope vs run
χ² / ndf 43.95 / 51
p0 −68.72 ± 2.494
pull
Entries 52
Mean −129.5
Std Dev 0

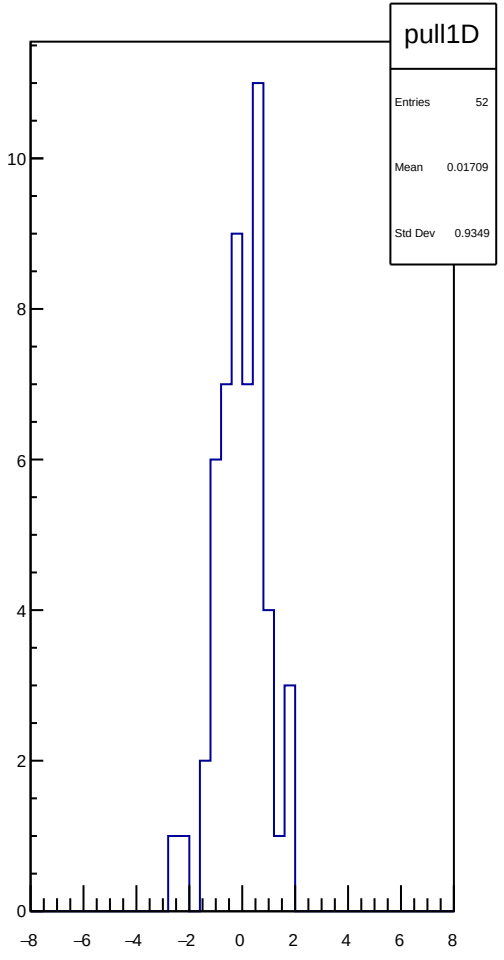

pull1D
Entries 52
Mean 0.02293
Std Dev 0.9191

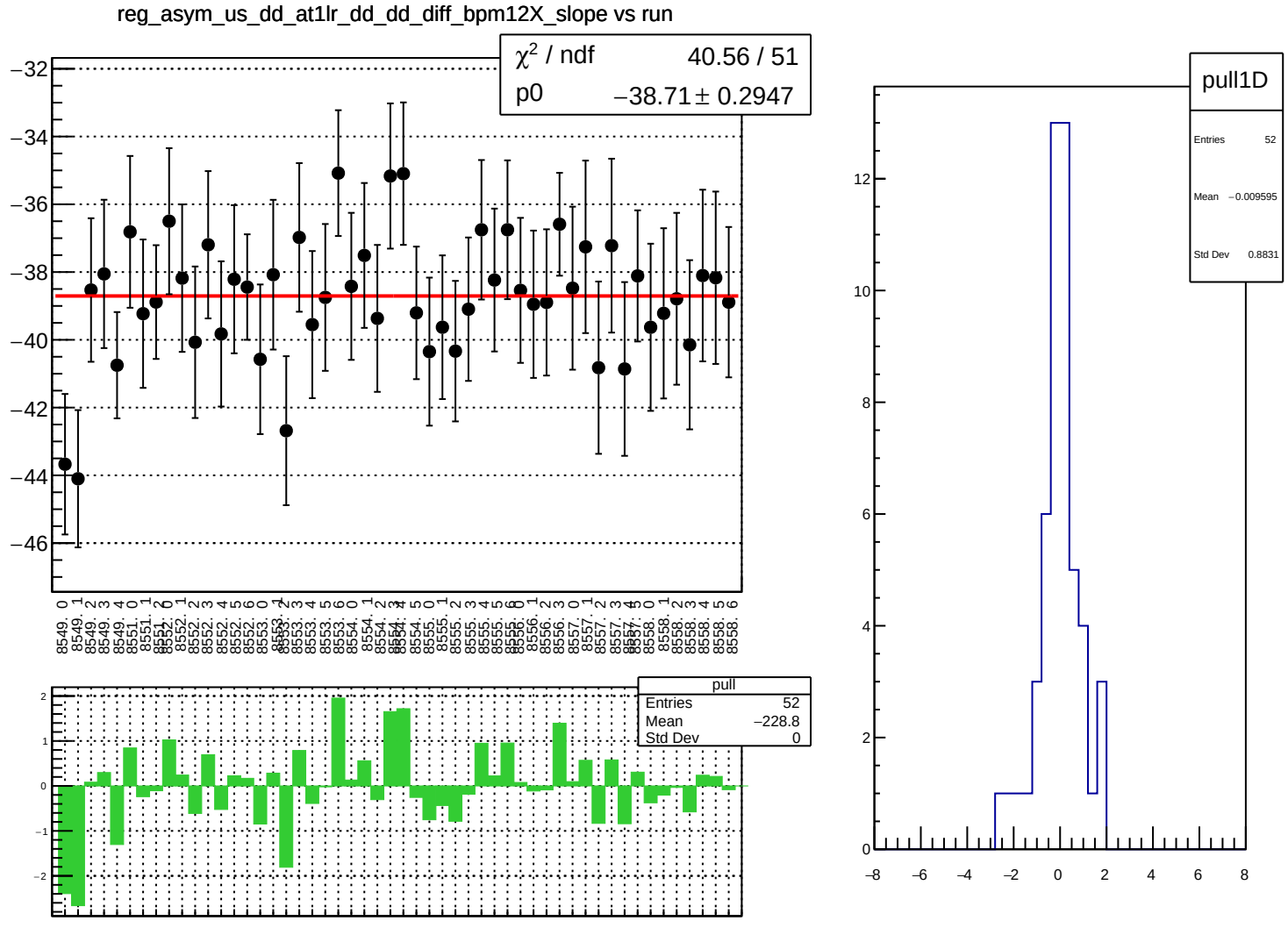

reg_asym_us_dd_at1lr_dd_dd_diff_bpm4aY_slope vs run
χ² / ndf 45.67 / 51
p0 −2.096 ± 4.239
pull
Entries 52
Mean −32.73
Std Dev 0

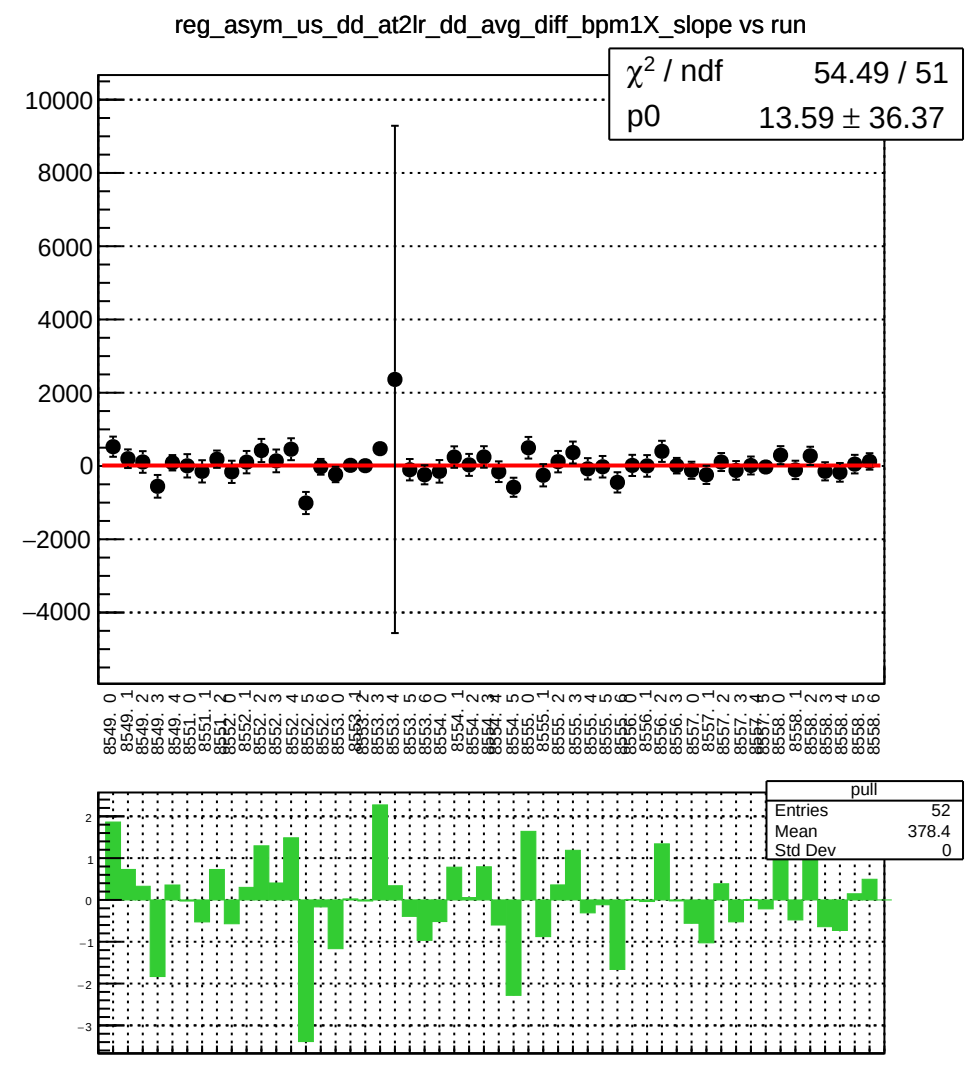

pull1D
Entries 52
Mean −0.01819
Std Dev 0.937

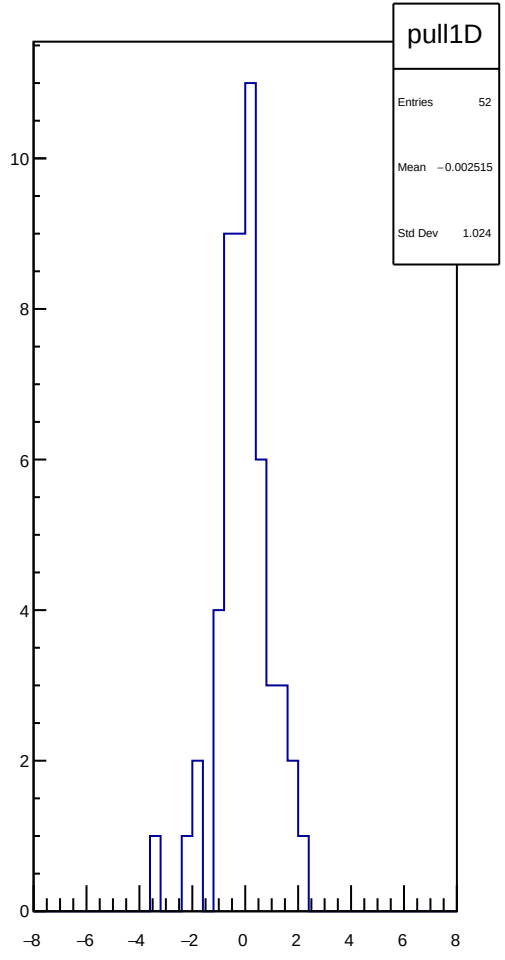

reg_asym_us_dd_at1lr_dd_dd_diff_bpm4eX_slope vs run
χ² / ndf 42.32 / 51
p0 −50.05 ± 2.721
pull
Entries 52
Mean −261.5
Std Dev 0
pull1D
Entries 52
Mean −0.01273
Std Dev 0.902

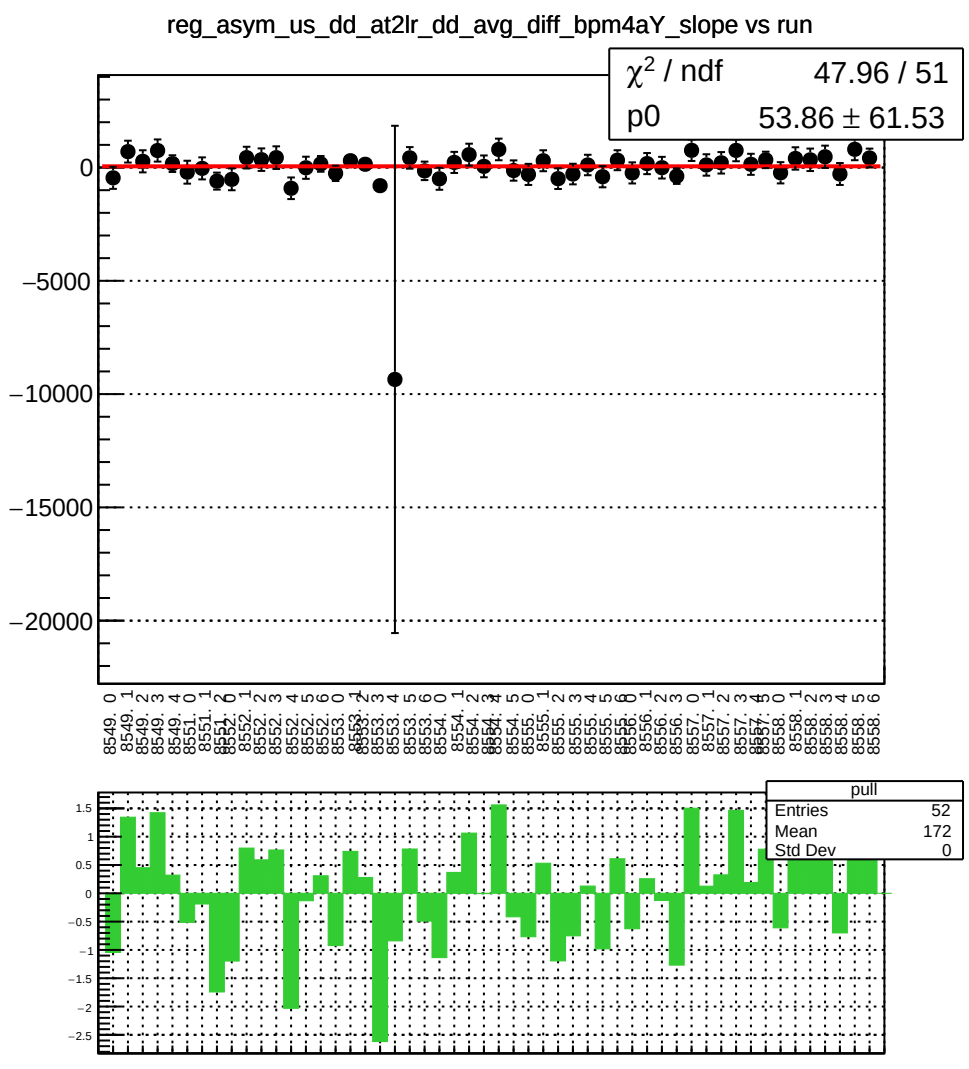

reg_asym_us_dd_at1lr_dd_dd_diff_bpm4eY_slope vs run
χ² / ndf 45.47 / 51
p0 13.92 ± 4.495
pull
Entries 52
Mean −39.2
Std Dev 0

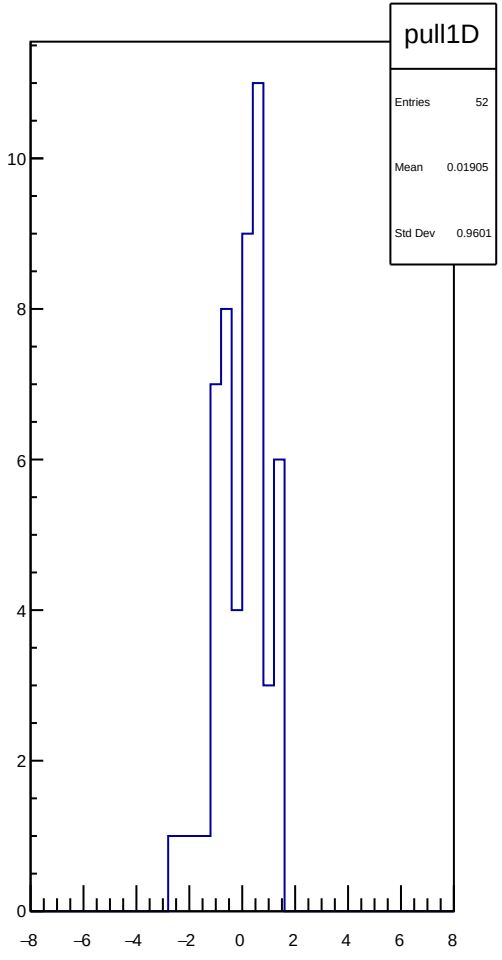

pull1D
Entries 52
Mean 0.01709
Std Dev 0.9349

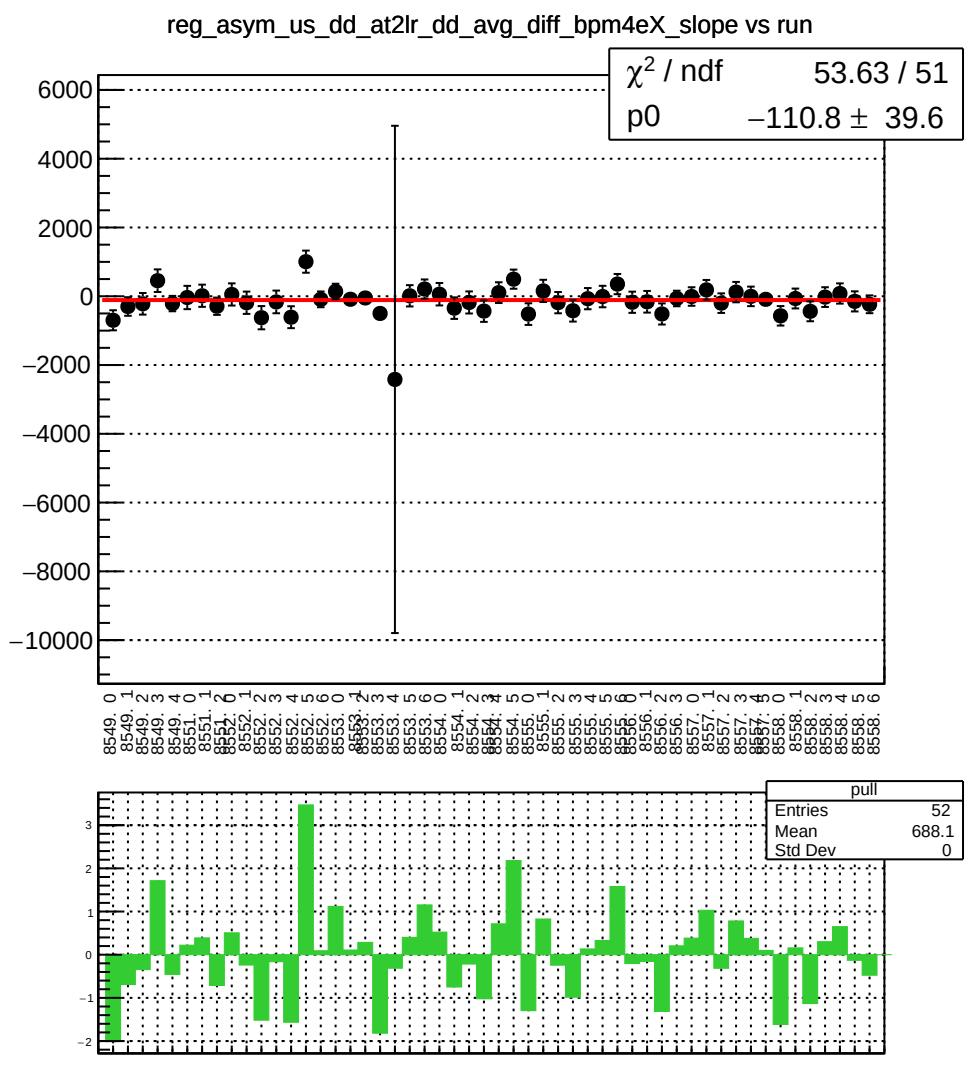

reg_asym_us_dd_at1lr_dd_dd_diff_bpm12X_slope vs run
χ² / ndf 40.56 / 51
p0 −38.71 ± 0.2947
pull
Entries 52
Mean −228.8
Std Dev 0
pull1D
Entries 52
Mean −0.009595
Std Dev 0.8831

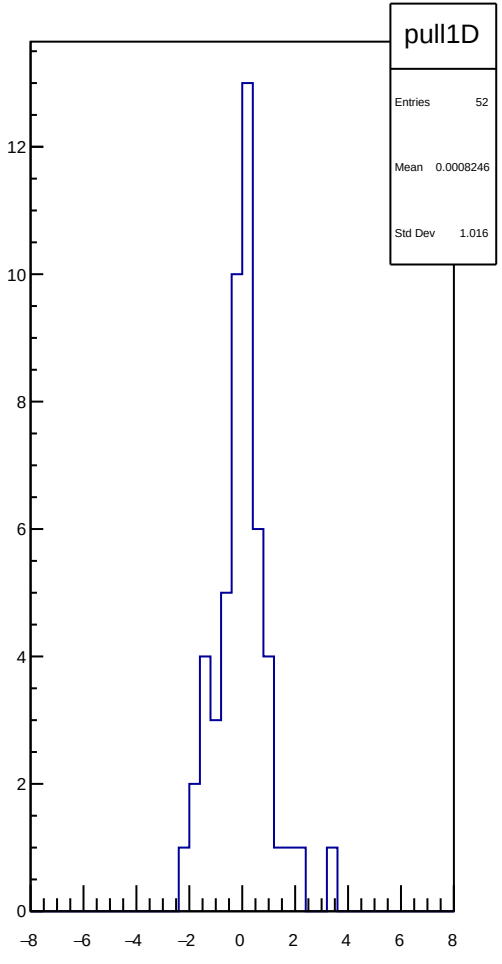

reg_asym_us_dd_at2lr_dd_avg_diff_bpm1X_slope vs run
χ² / ndf 54.49 / 51
p0 13.59 ± 36.37
pull
Entries 52
Mean 378.4
Std Dev 0

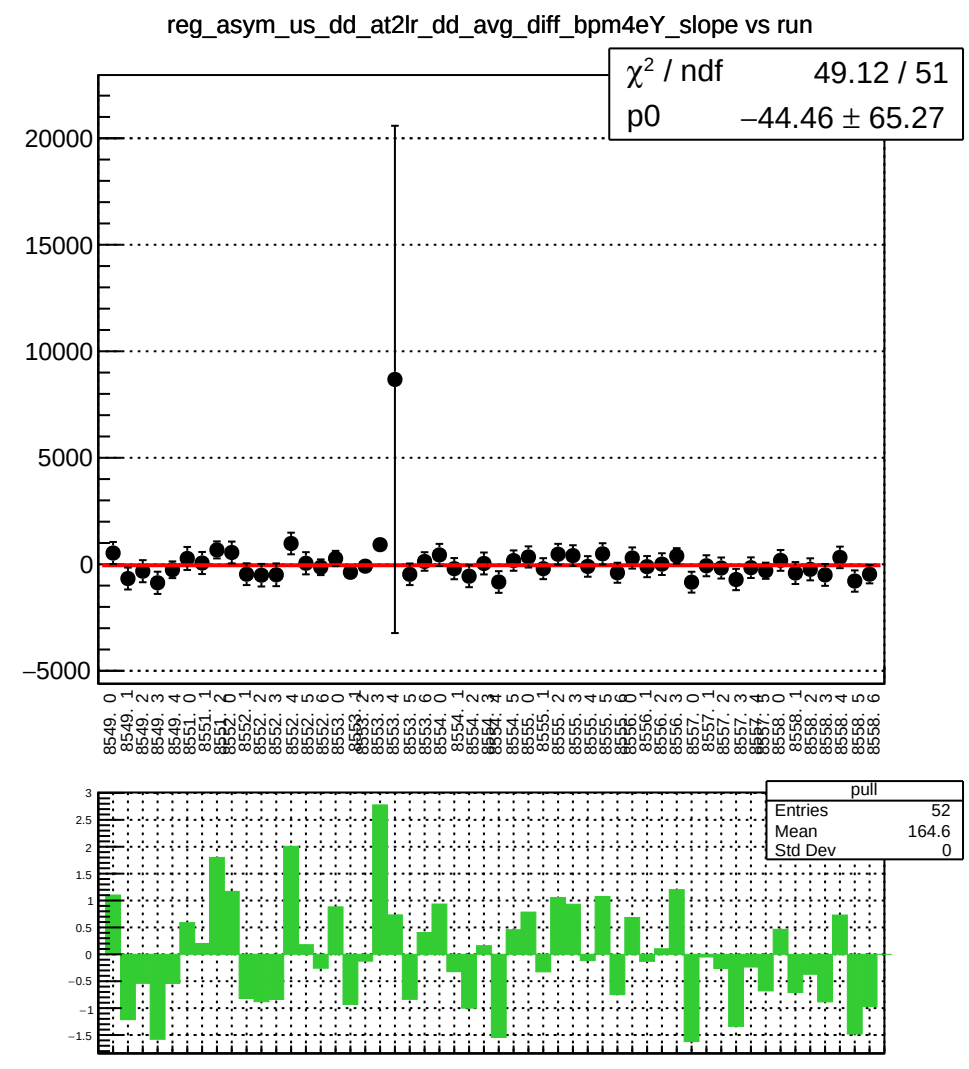

pull1D
Entries 52
Mean −0.002515
Std Dev 1.024

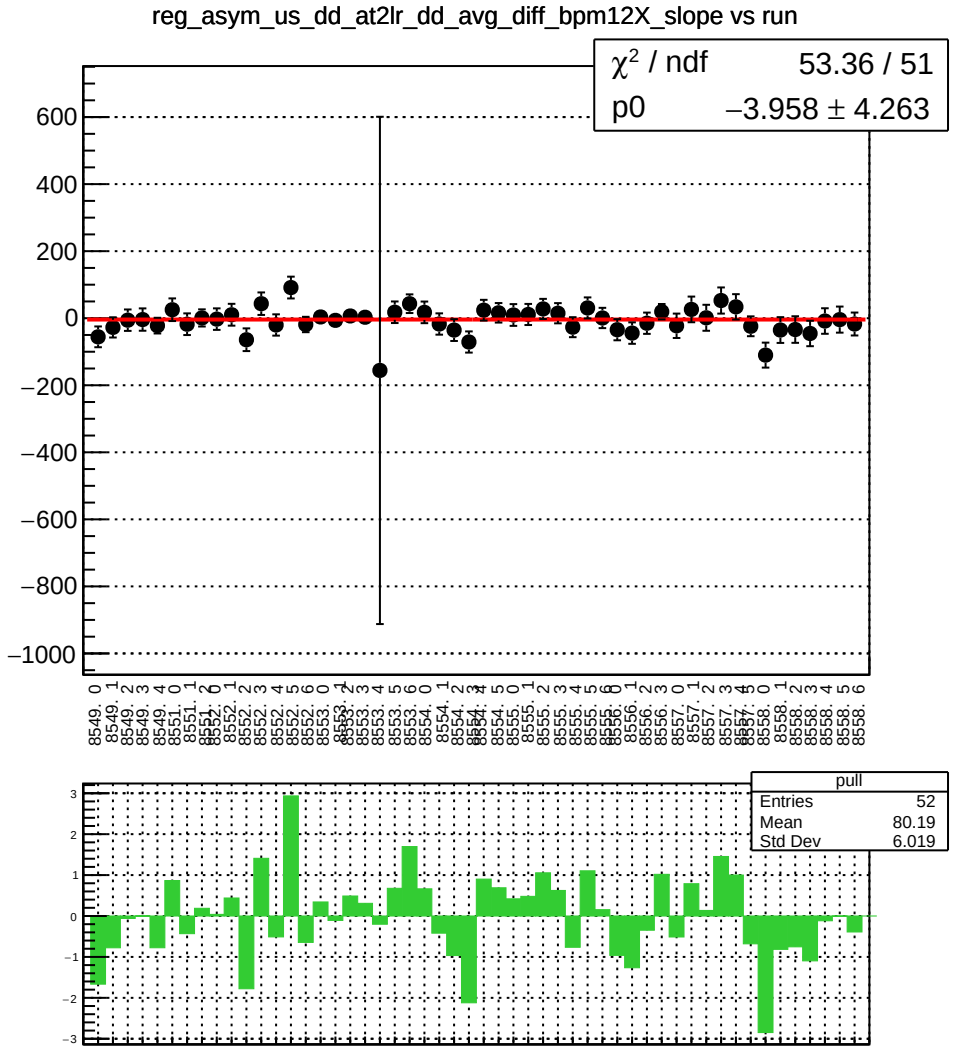

reg_asym_us_dd_at2lr_dd_avg_diff_bpm4aY_slope vs run
χ² / ndf 47.96 / 51
p0 53.86 ± 61.53
0
−5000
−10000
−15000
−20000
pull
Entries 52
Mean 172
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

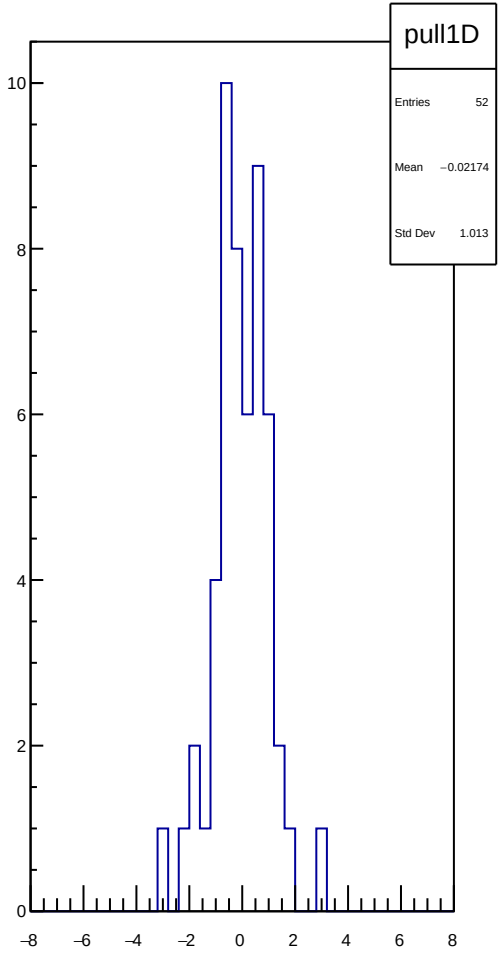

pull1D
Entries 52
Mean 0.01905
Std Dev 0.9601
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

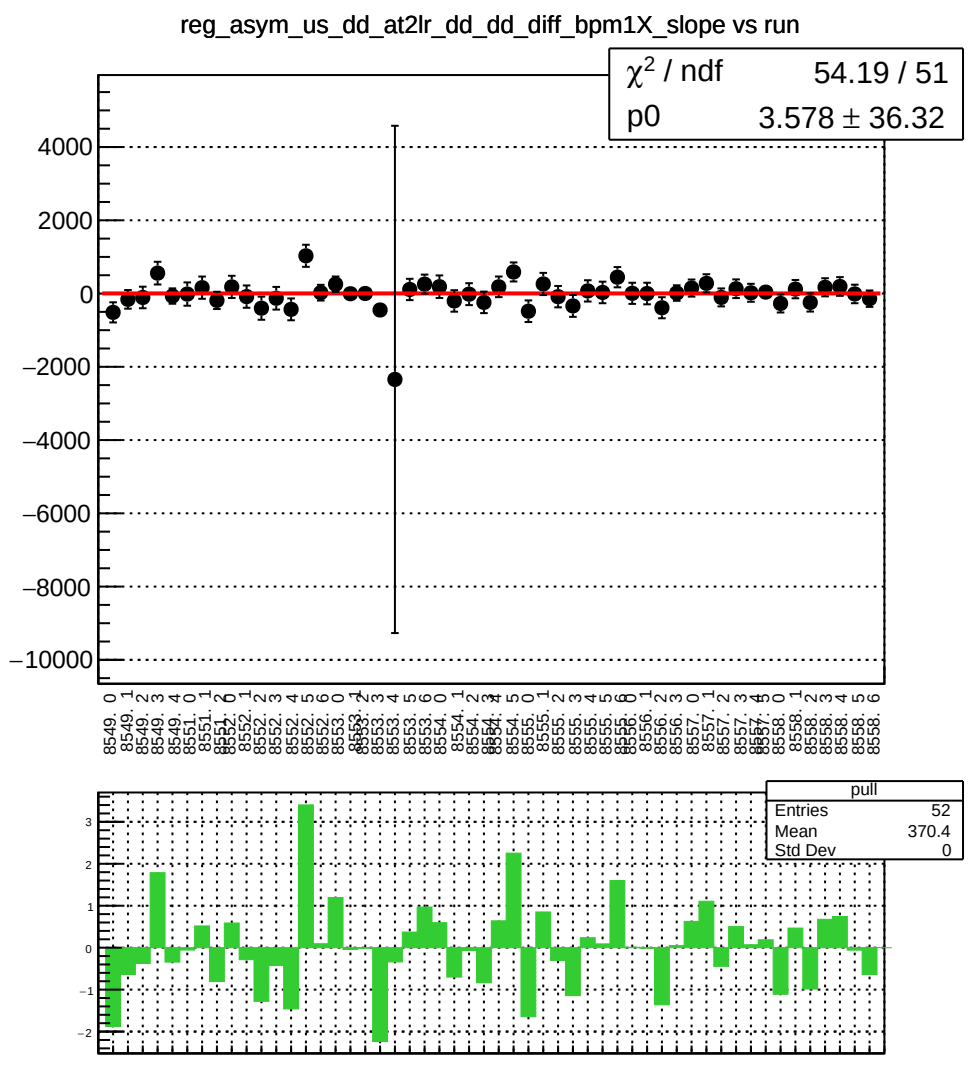

reg_asym_us_dd_at2lr_dd_avg_diff_bpm4eX_slope vs run
χ² / ndf 53.63 / 51
p0 −110.8 ± 39.6
pull
Entries 52
Mean 688.1
Std Dev 0

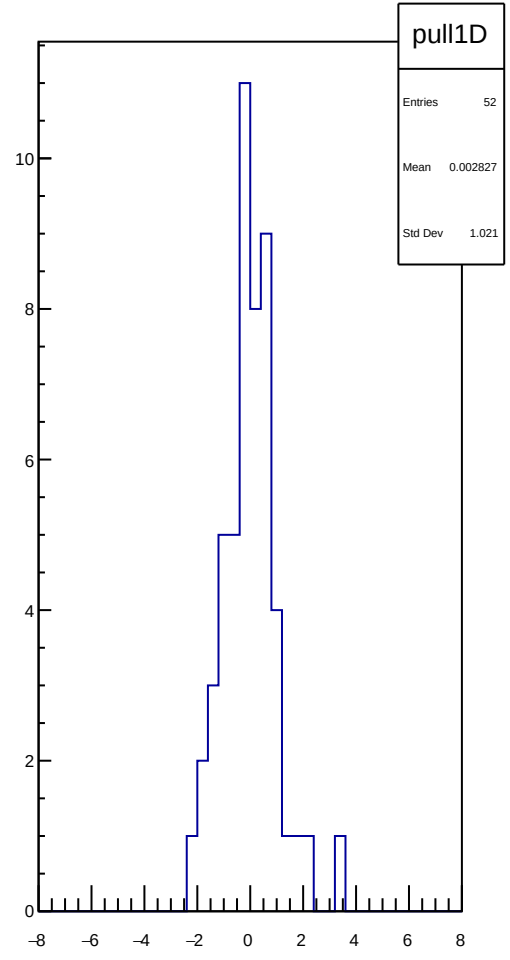

pull1D
Entries 52
Mean 0.0008246
Std Dev 1.016

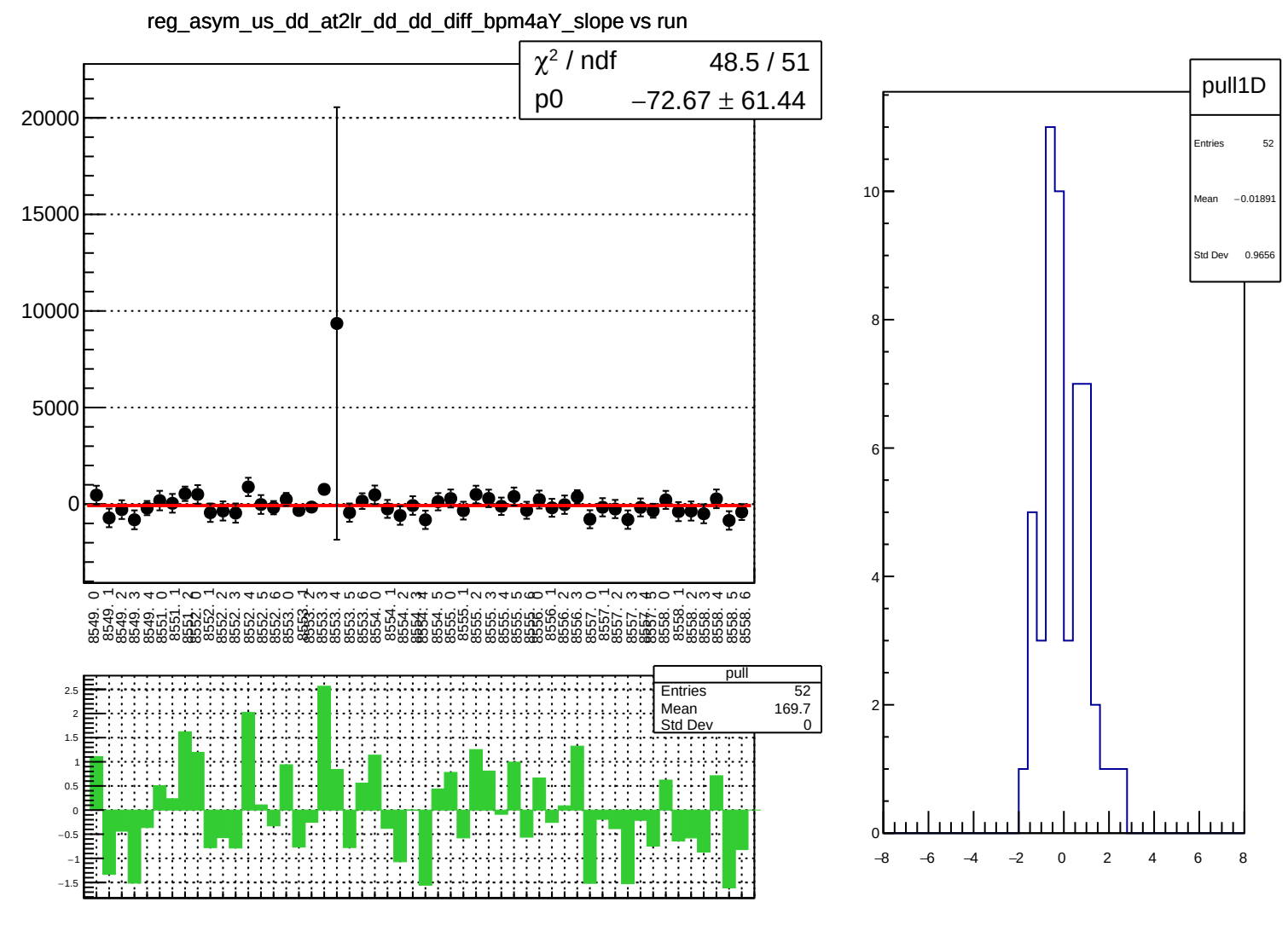

reg_asym_us_dd_at2lr_dd_avg_diff_bpm4eY_slope vs run
χ² / ndf 49.12 / 51
p0 −44.46 ± 65.27
20000
15000
10000
5000
0
−5000
pull
Entries 52
Mean 164.6
Std Dev 0
3
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 52
Mean −0.01782
Std Dev 0.9718
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

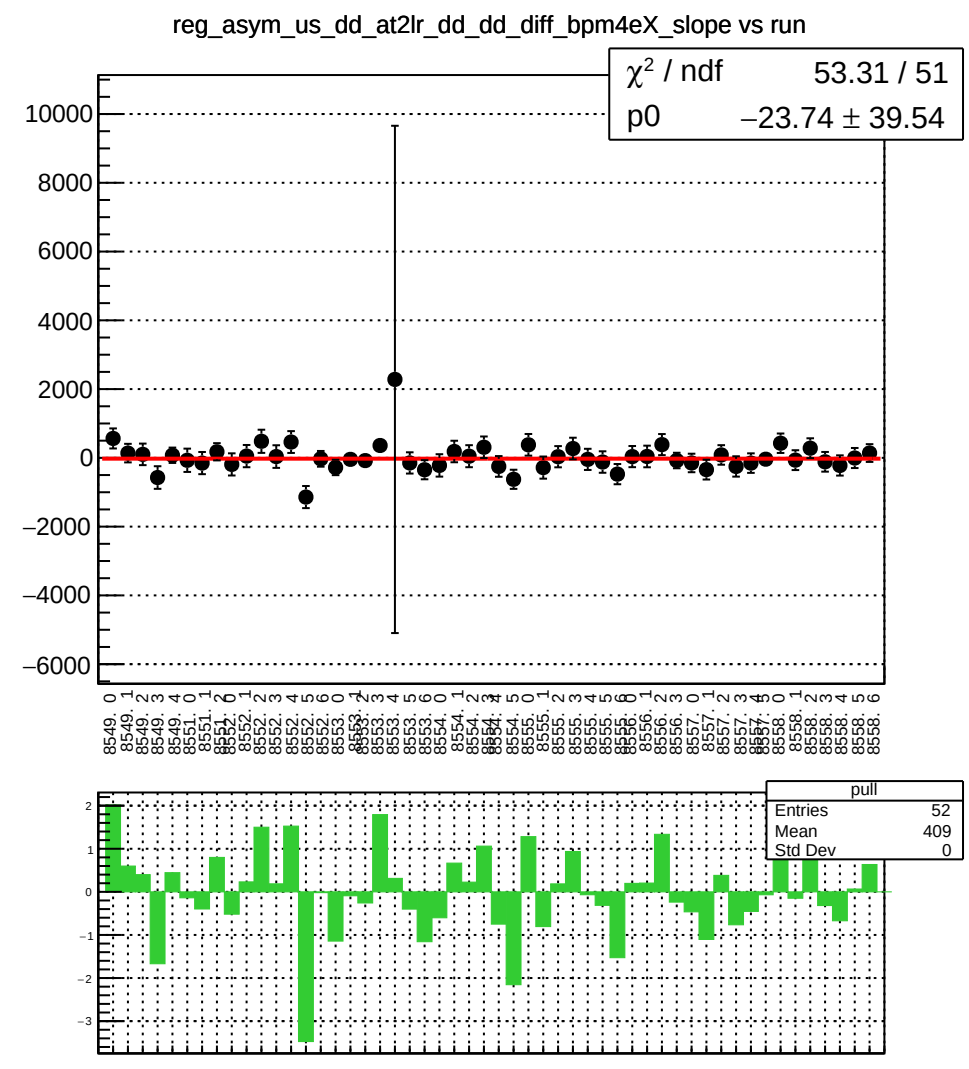

reg_asym_us_dd_at2lr_dd_avg_diff_bpm12X_slope vs run
χ² / ndf 53.36 / 51
p0 −3.958 ± 4.263
pull
Entries 52
Mean 80.19
Std Dev 6.019

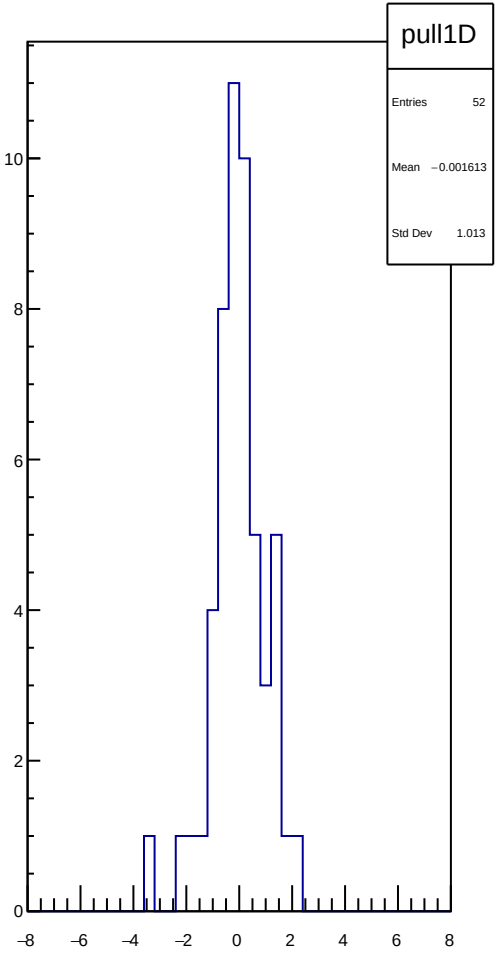

pull1D
Entries 52
Mean −0.02174
Std Dev 1.013

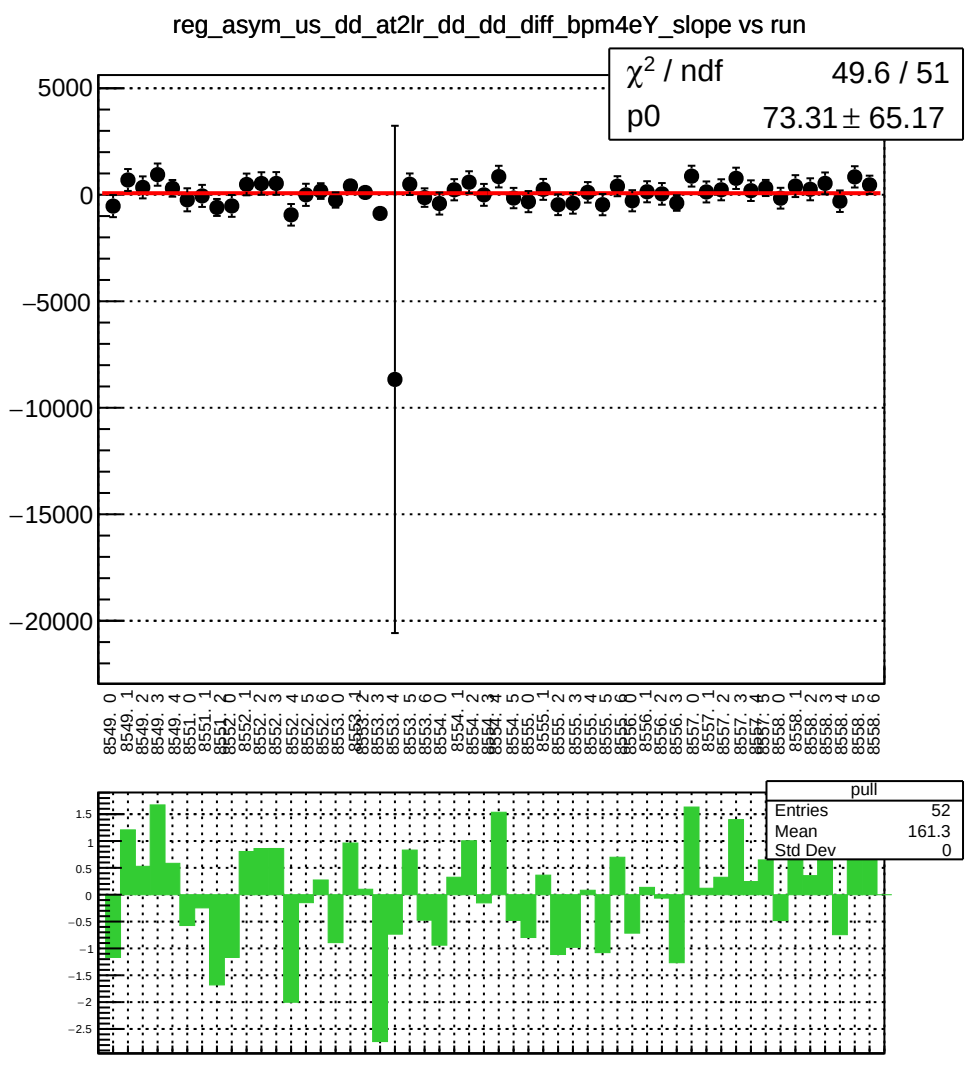

reg_asym_us_dd_at2lr_dd_dd_diff_bpm1X_slope vs run
χ² / ndf 54.19 / 51
p0 3.578 ± 36.32
4000
2000
0
−2000
−4000
−6000
−8000
−10000
pull
Entries 52
Mean 370.4
Std Dev 0
3
2
1
0
−1
−2

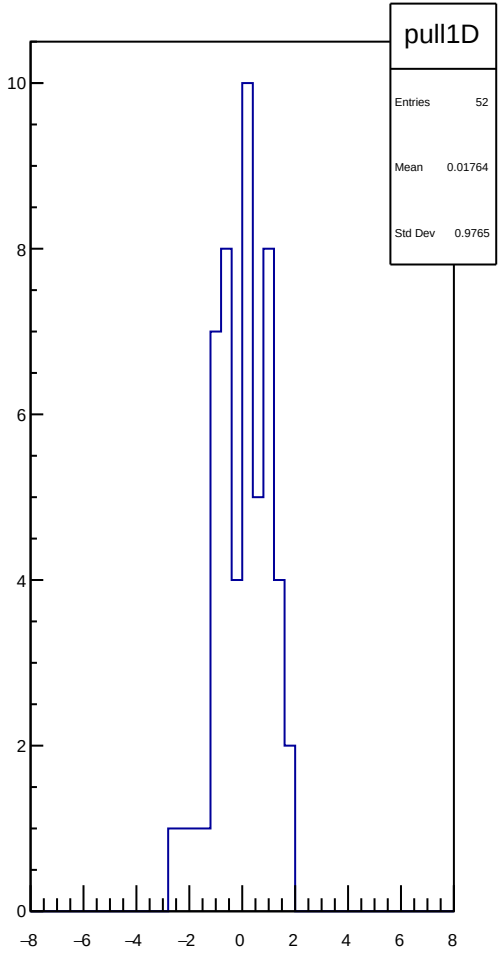

pull1D
Entries 52
Mean 0.002827
Std Dev 1.021
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

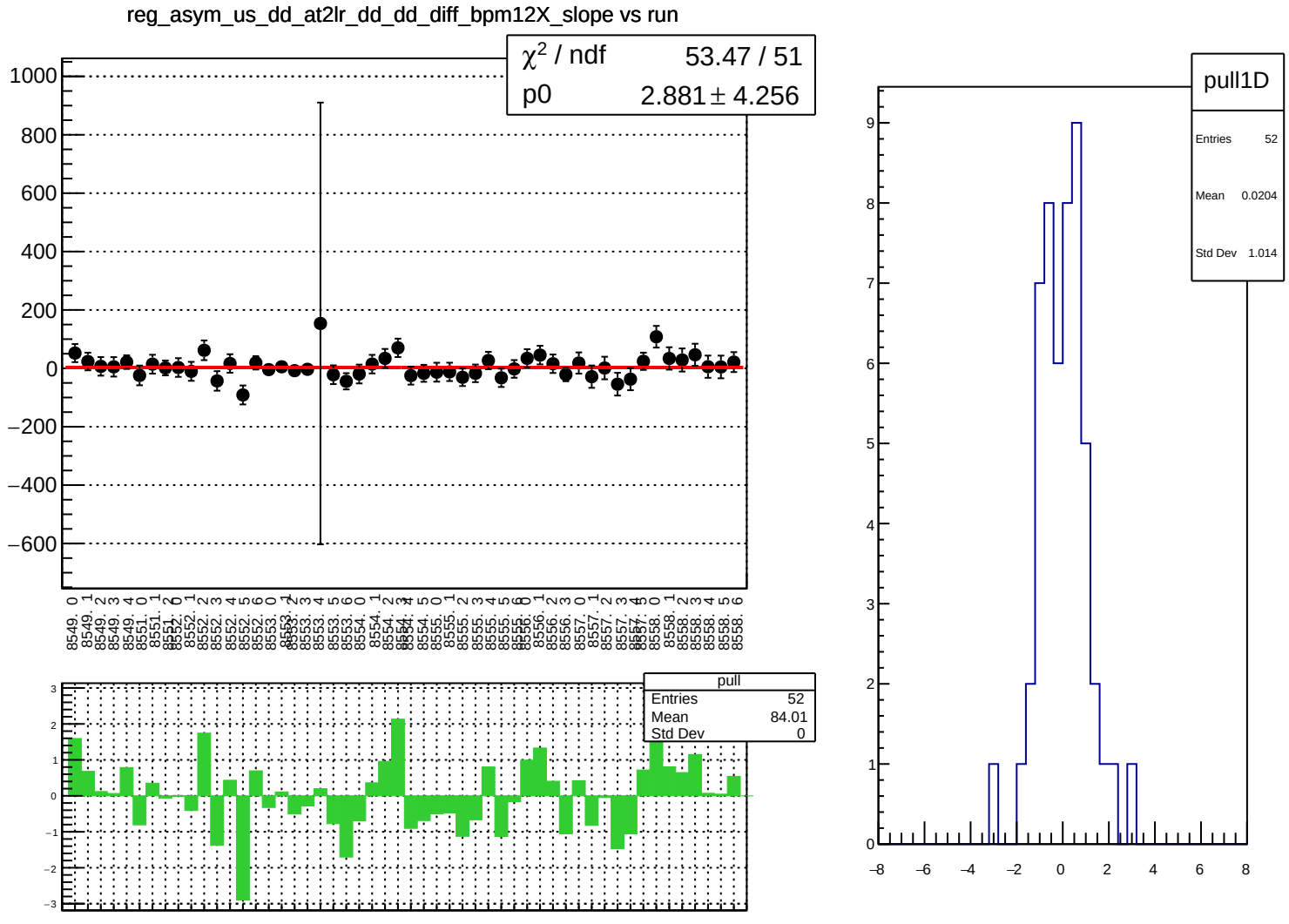

reg_asym_us_dd_at2lr_dd_dd_diff_bpm4aY_slope vs run
χ² / ndf 48.5 / 51
p0 −72.67 ± 61.44
20000
15000
10000
5000
0
pull
Entries 52
Mean 169.7
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 52
Mean −0.01891
Std Dev 0.9656
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

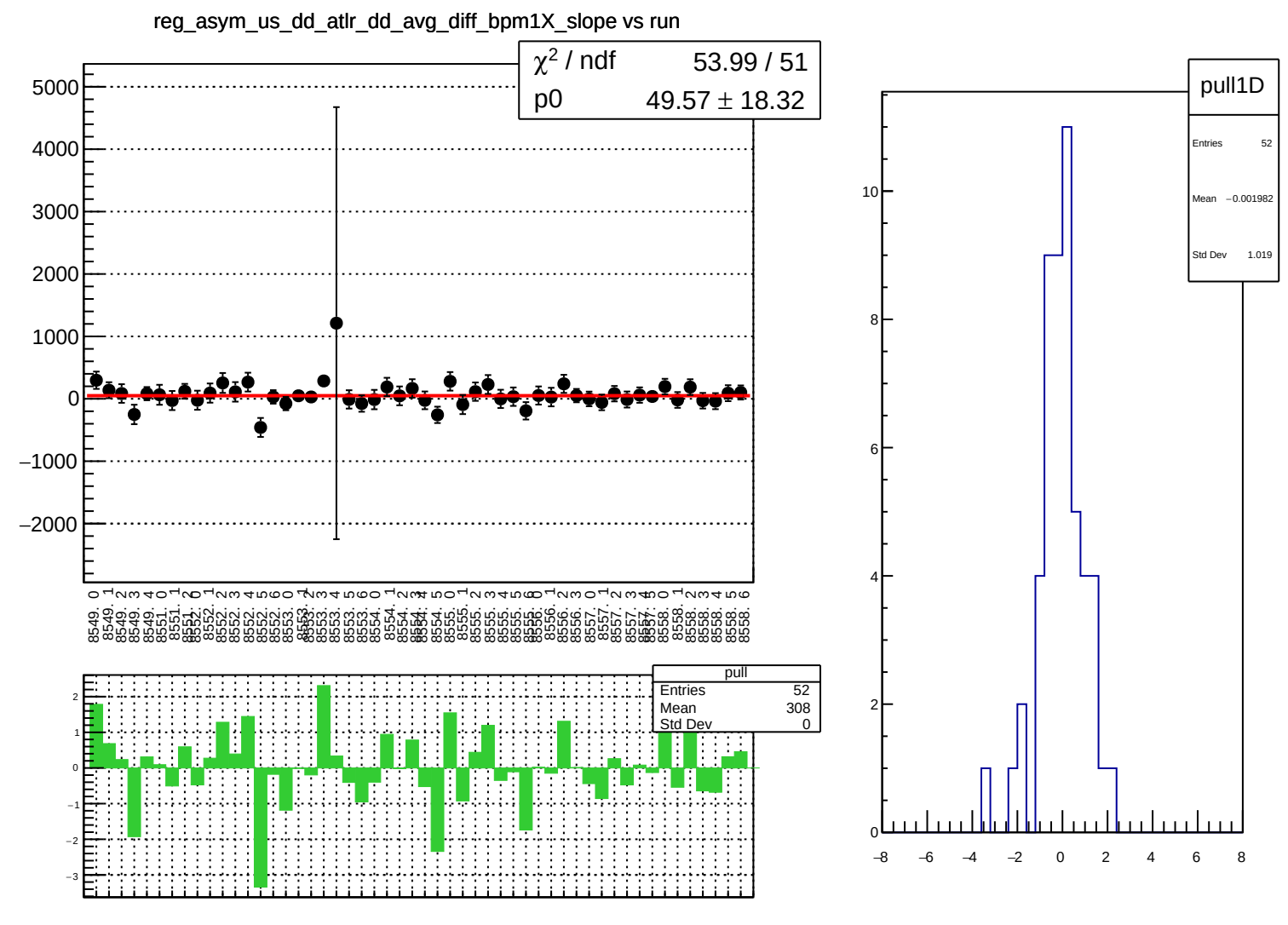

reg_asym_us_dd_at2lr_dd_dd_diff_bpm4eX_slope vs run
χ² / ndf 53.31 / 51
p0 −23.74 ± 39.54
pull
Entries 52
Mean 409
Std Dev 0

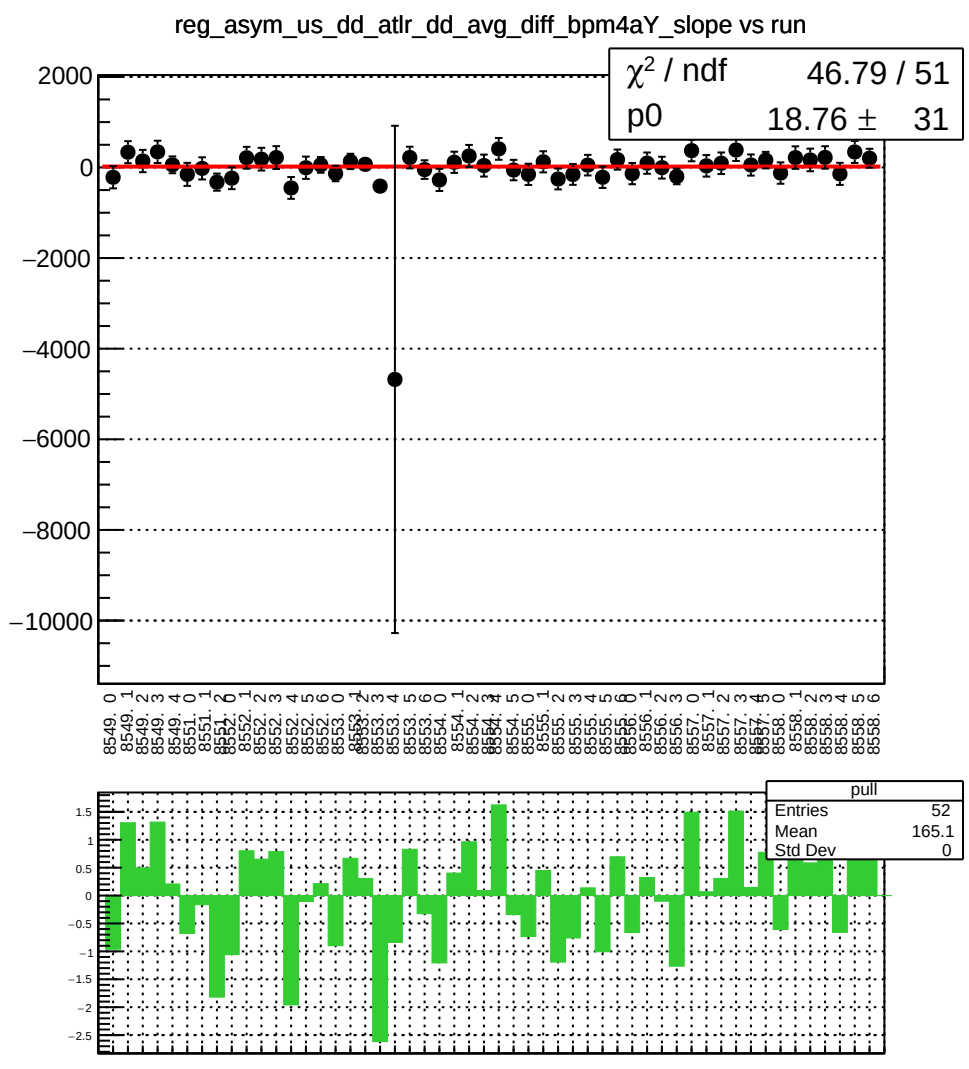

pull1D
Entries 52
Mean −0.001613
Std Dev 1.013

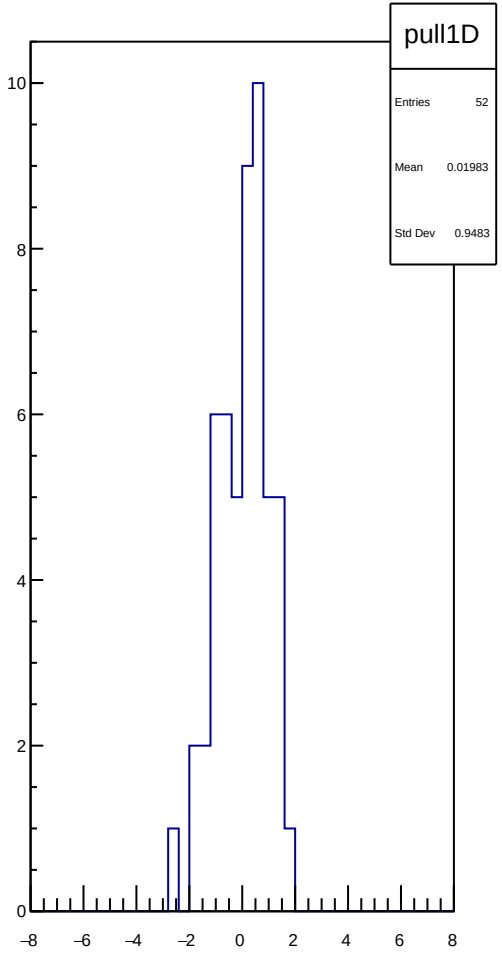

reg_asym_us_dd_at2lr_dd_dd_diff_bpm4eY_slope vs run
χ² / ndf 49.6 / 51
p0 73.31 ± 65.17
5000
0
−5000
−10000
−15000
−20000
pull
Entries 52
Mean 161.3
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

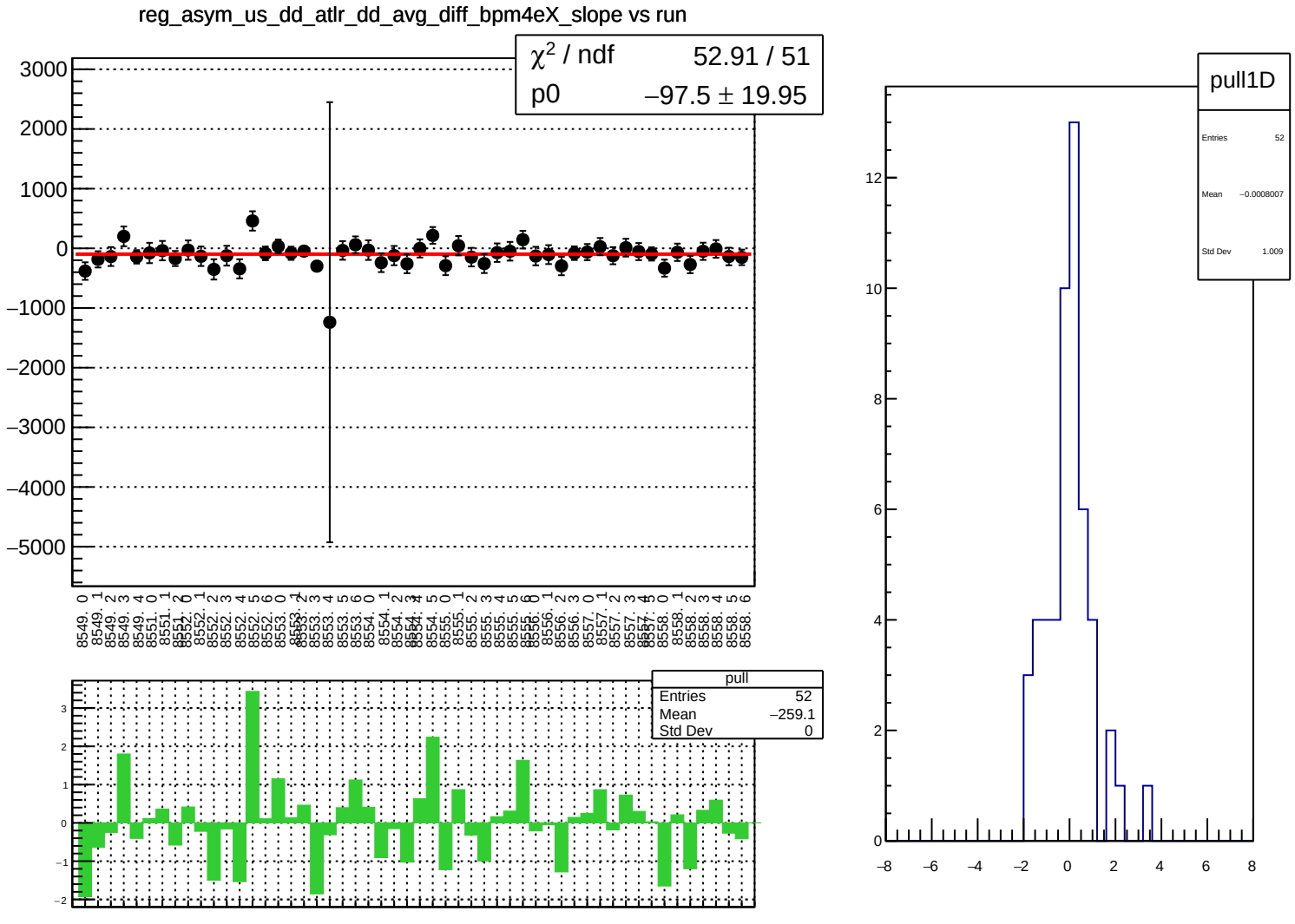

pull1D
Entries 52
Mean 0.01764
Std Dev 0.9765
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

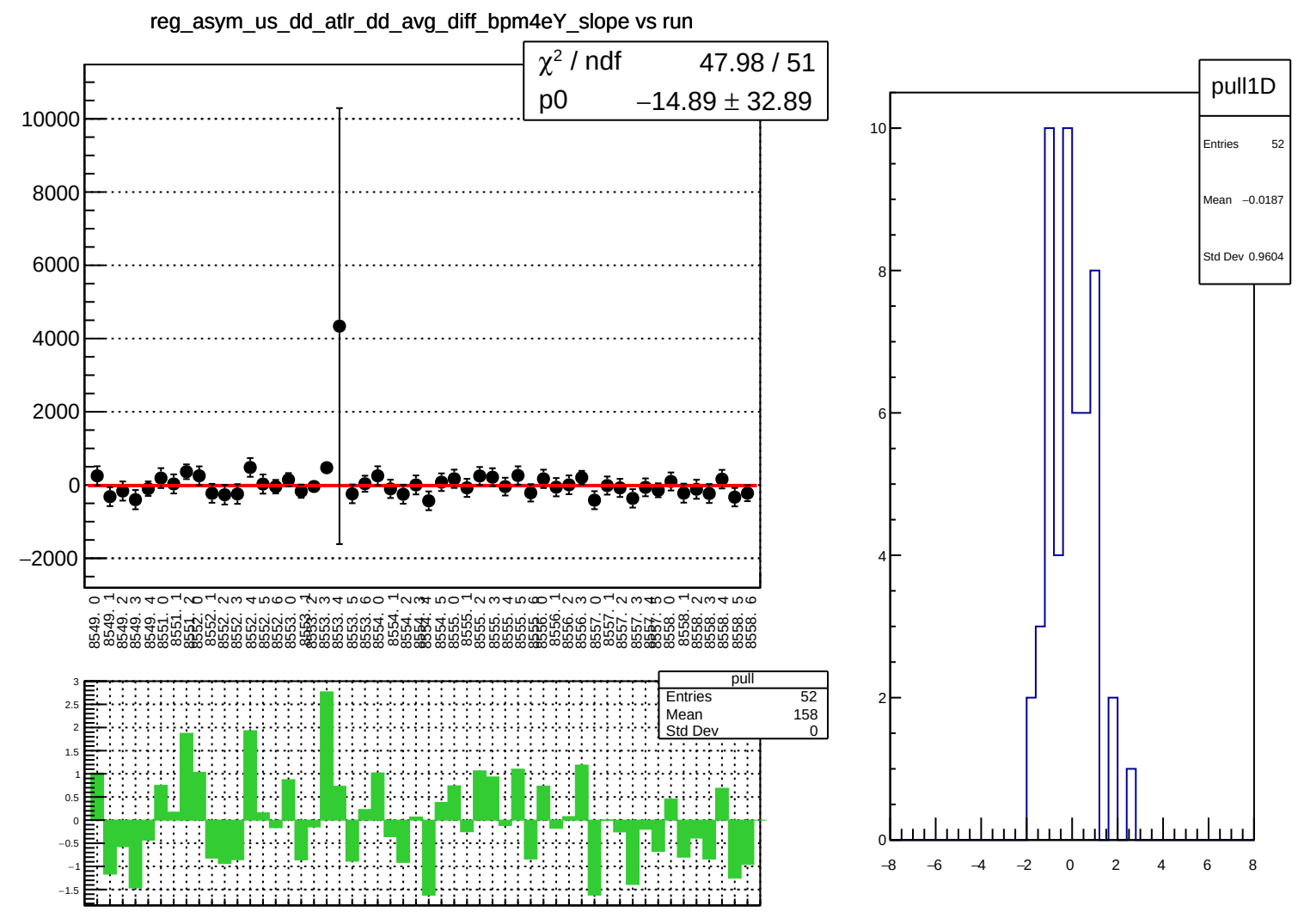

reg_asym_us_dd_at2lr_dd_dd_diff_bpm12X_slope vs run
χ² / ndf 53.47 / 51
p0 2.881 ± 4.256
pull
Entries 52
Mean 84.01
Std Dev 0
pull1D
Entries 52
Mean 0.0204
Std Dev 1.014

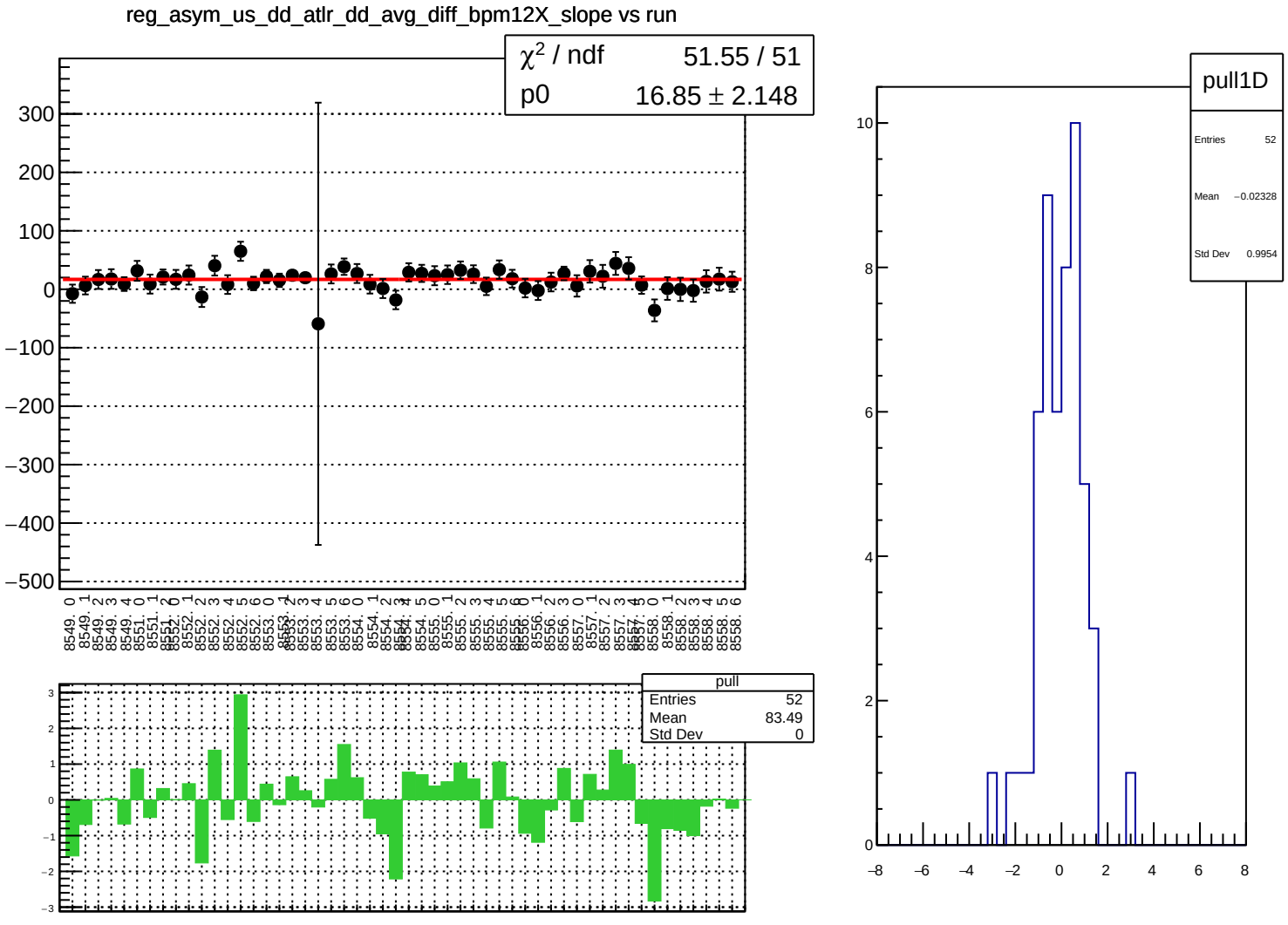

reg_asym_us_dd_atlr_dd_avg_diff_bpm1X_slope vs run
χ² / ndf 53.99 / 51
p0 49.57 ± 18.32
pull
Entries 52
Mean 308
Std Dev 0
pull1D
Entries 52
Mean −0.001982
Std Dev 1.019

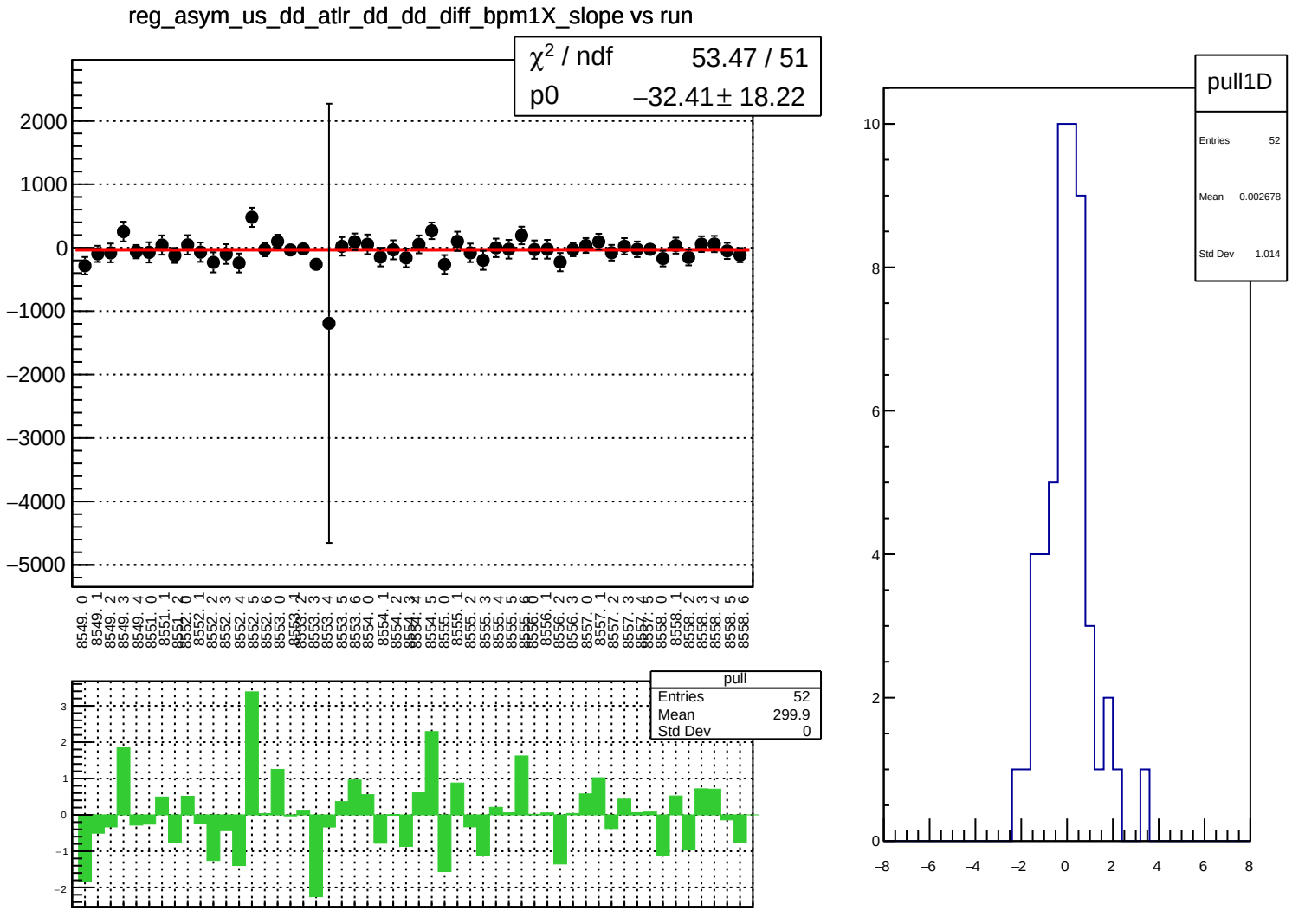

reg_asym_us_dd_atlr_dd_avg_diff_bpm4aY_slope vs run
χ² / ndf 46.79 / 51
p0 18.76 ± 31
pull
Entries 52
Mean 165.1
Std Dev 0

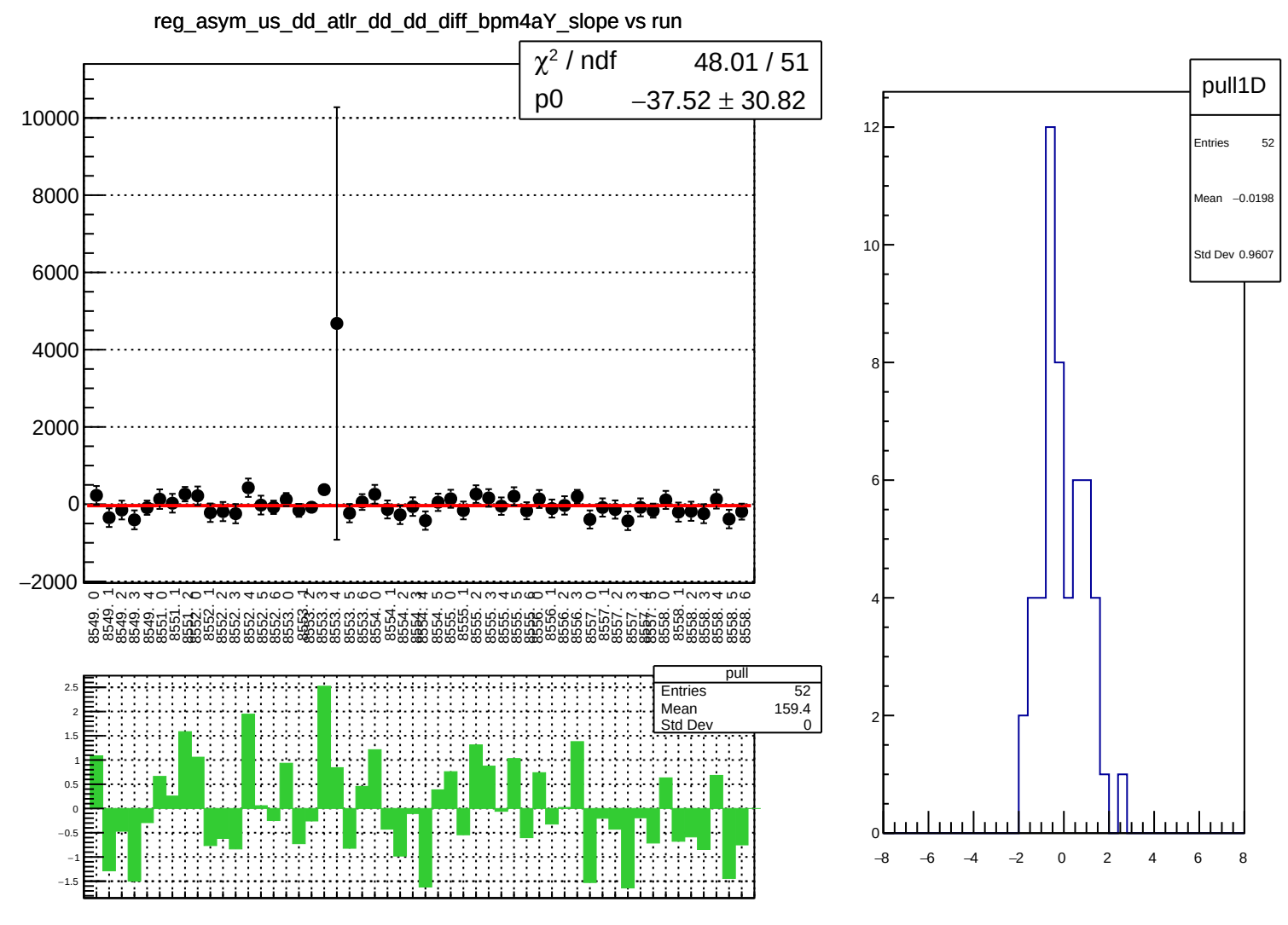

pull1D
Entries 52
Mean 0.01983
Std Dev 0.9483

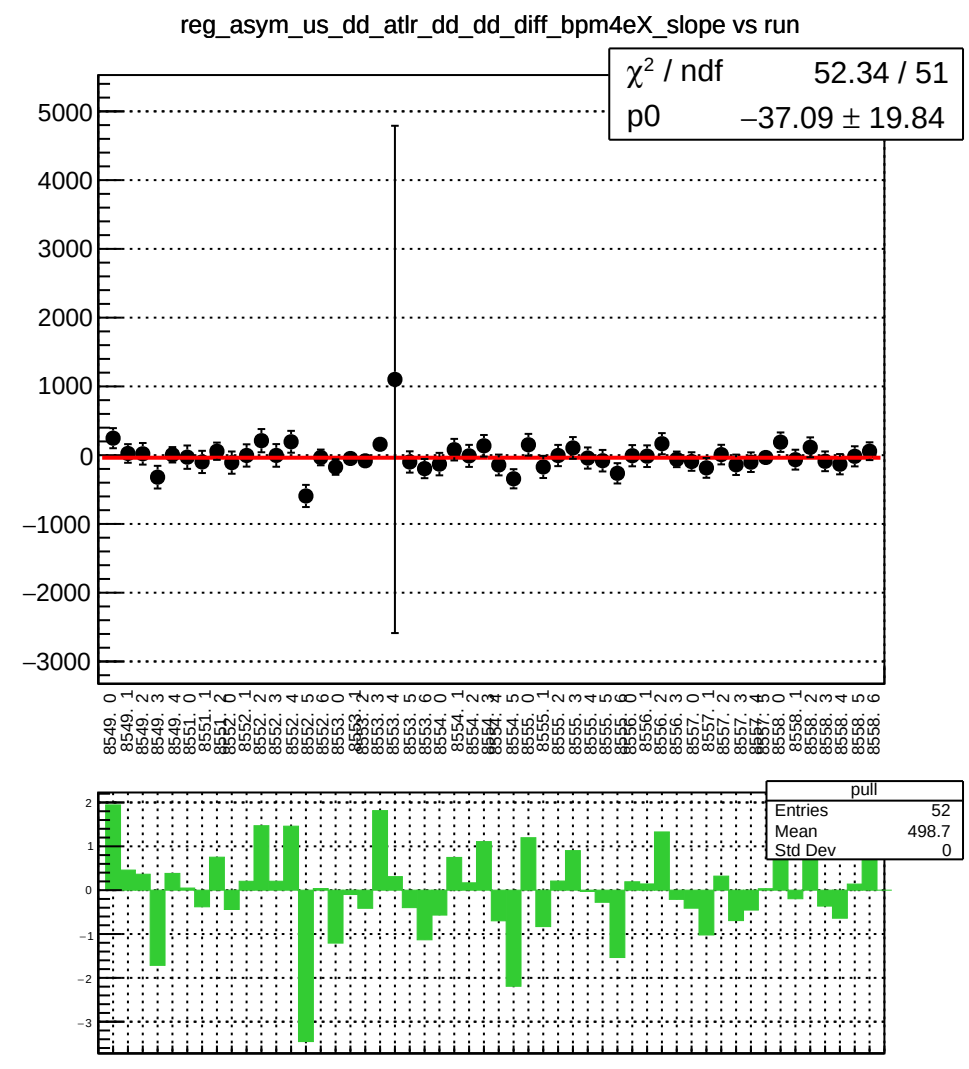

reg_asym_us_dd_atlr_dd_avg_diff_bpm4eX_slope vs run
χ² / ndf 52.91 / 51
p0 −97.5 ± 19.95
pull
Entries 52
Mean −259.1
Std Dev 0
pull1D
Entries 52
Mean −0.0008007
Std Dev 1.009

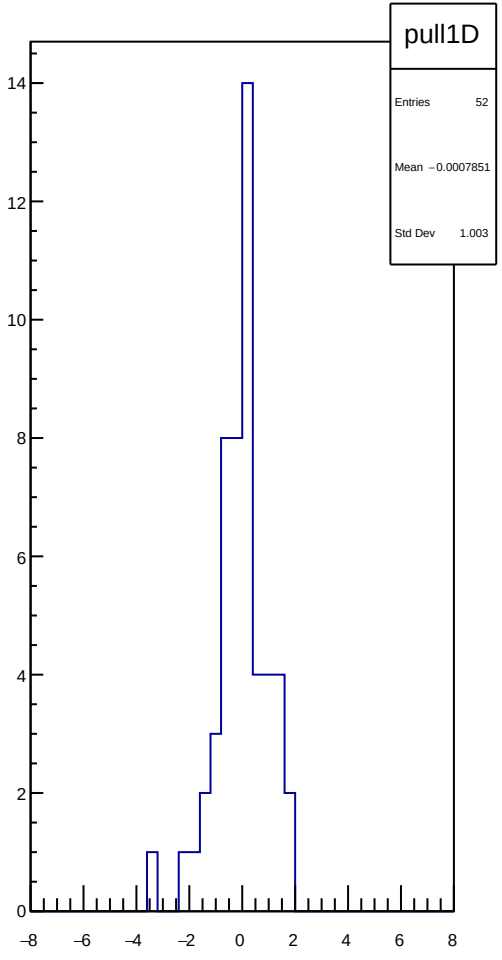

reg_asym_us_dd_atlr_dd_avg_diff_bpm4eY_slope vs run
χ² / ndf 47.98 / 51
p0 −14.89 ± 32.89
pull
Entries 52
Mean 158
Std Dev 0
pull1D
Entries 52
Mean −0.0187
Std Dev 0.9604

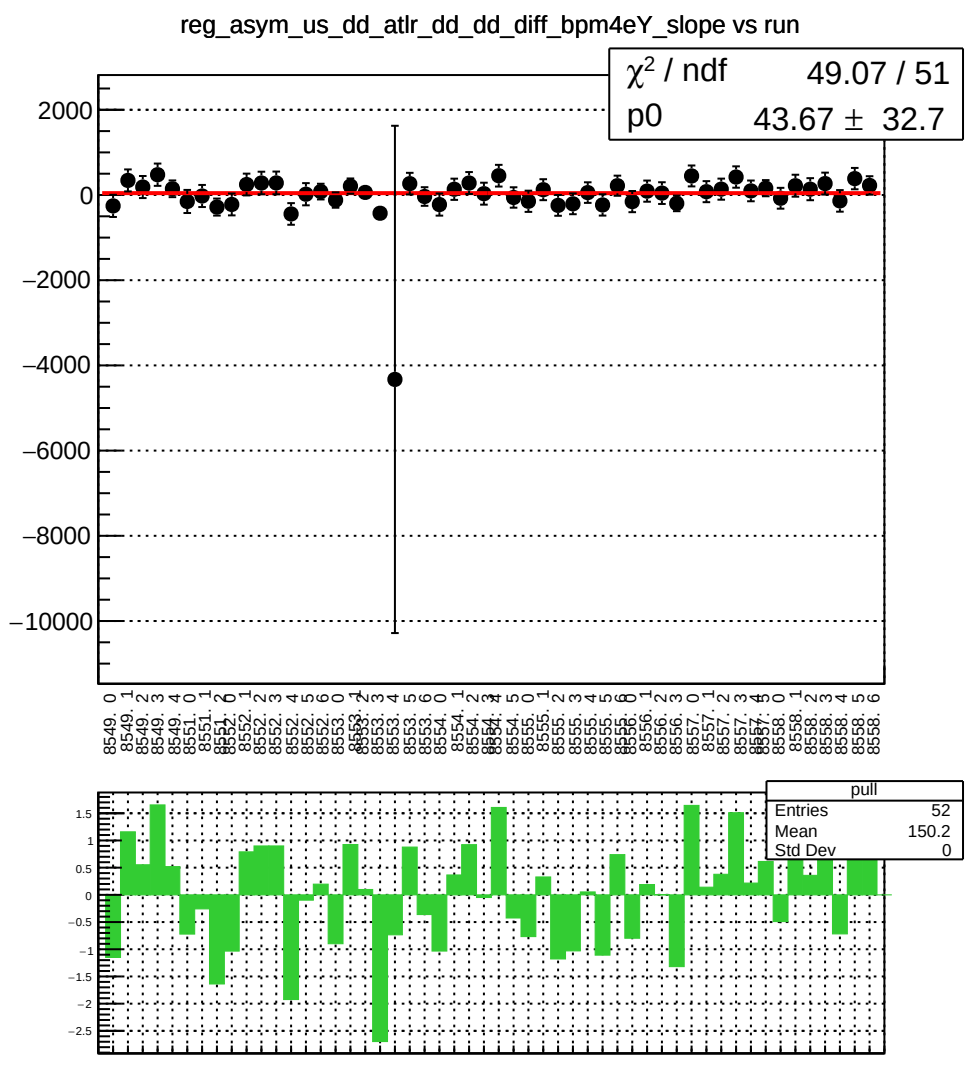

reg_asym_us_dd_atlr_dd_avg_diff_bpm12X_slope vs run
χ² / ndf 51.55 / 51
p0 16.85 ± 2.148
pull
Entries 52
Mean 83.49
Std Dev 0
pull1D
Entries 52
Mean −0.02328
Std Dev 0.9954

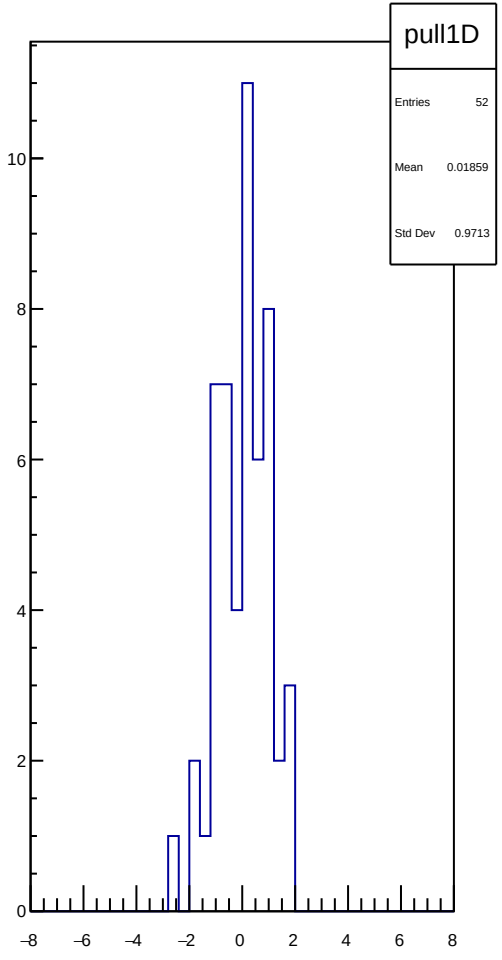

reg_asym_us_dd_atlr_dd_dd_diff_bpm1X_slope vs run
χ² / ndf 53.47 / 51
p0 −32.41 ± 18.22
pull
Entries 52
Mean 299.9
Std Dev 0
pull1D
Entries 52
Mean 0.002678
Std Dev 1.014

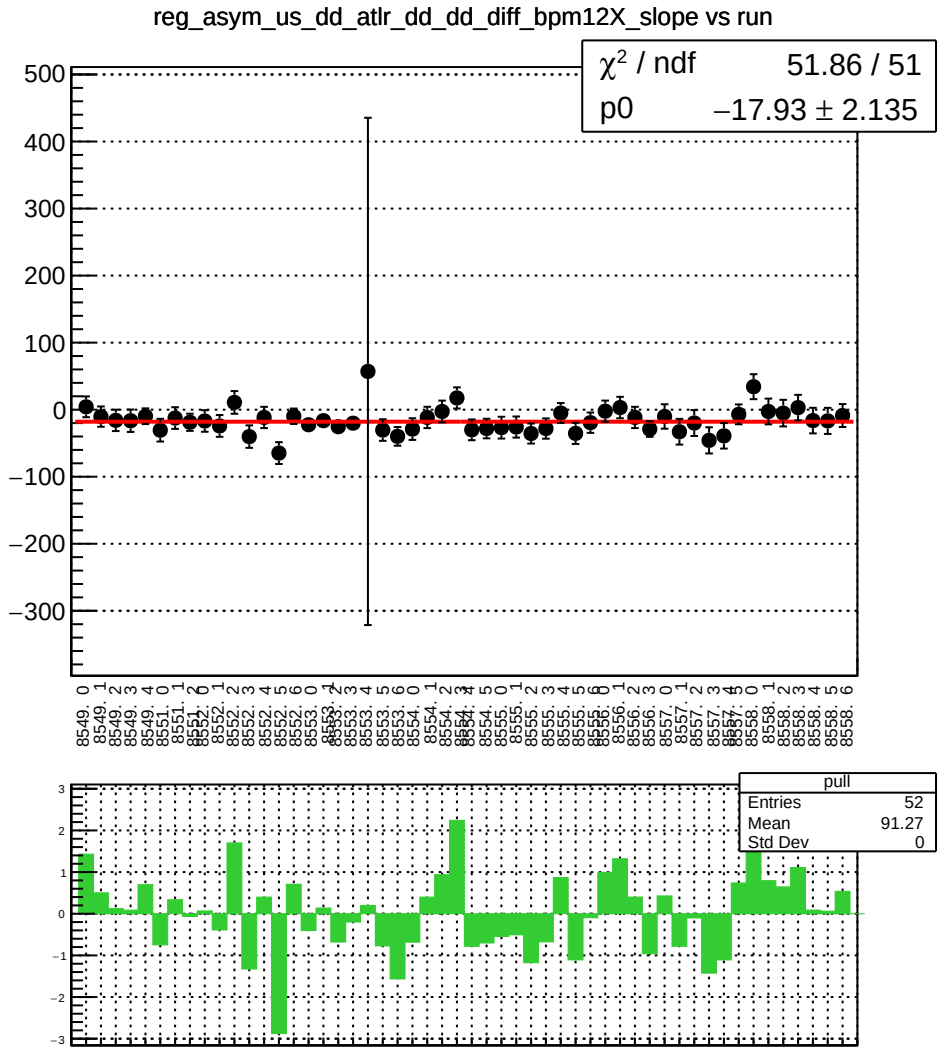

reg_asym_us_dd_atlr_dd_dd_diff_bpm4aY_slope vs run
χ² / ndf 48.01 / 51
p0 −37.52 ± 30.82
pull
Entries 52
Mean 159.4
Std Dev 0
pull1D
Entries 52
Mean −0.0198
Std Dev 0.9607

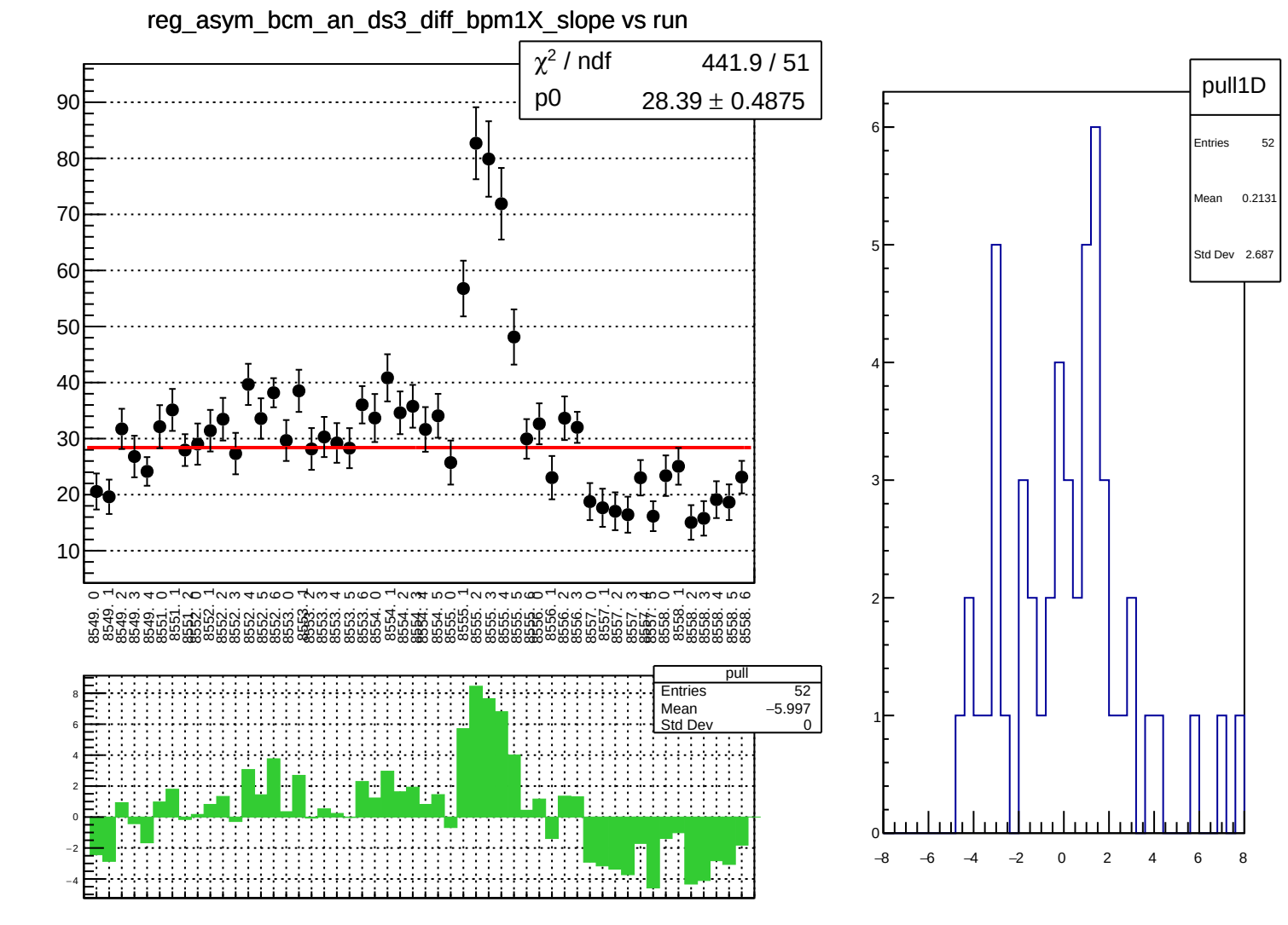

reg_asym_us_dd_atlr_dd_dd_diff_bpm4eX_slope vs run
χ² / ndf 52.34 / 51
p0 −37.09 ± 19.84
pull
Entries 52
Mean 498.7
Std Dev 0

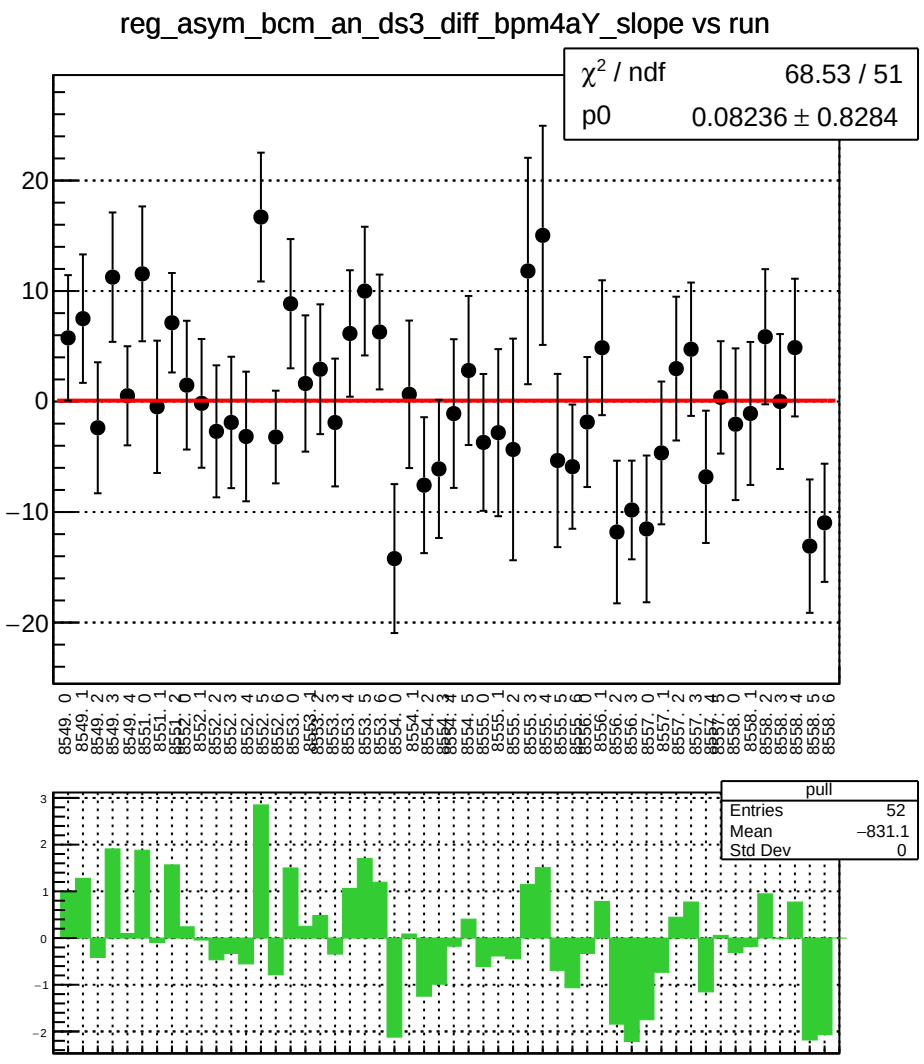

pull1D
Entries 52
Mean −0.0007851
Std Dev 1.003

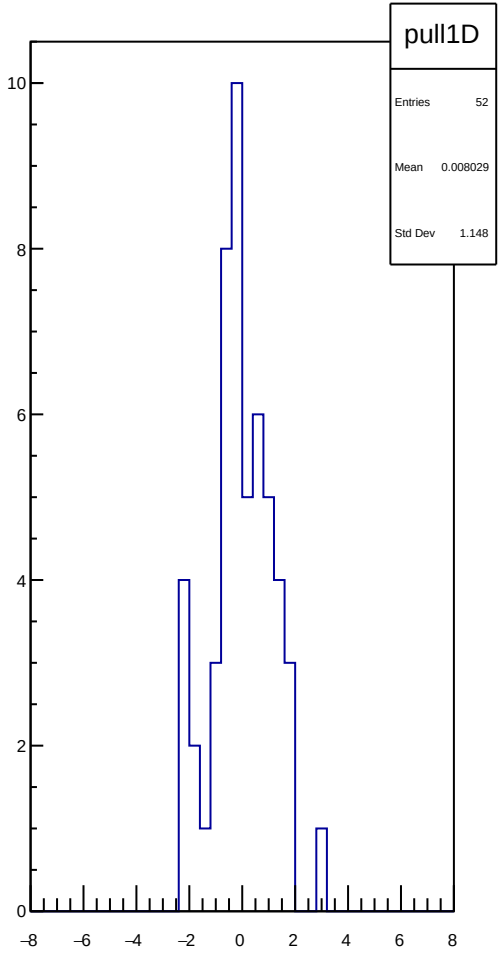

reg_asym_us_dd_atlr_dd_dd_diff_bpm4eY_slope vs run
χ² / ndf 49.07 / 51
p0 43.67 ± 32.7
2000
0
−2000
−4000
−6000
−8000
−10000
pull
Entries 52
Mean 150.2
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

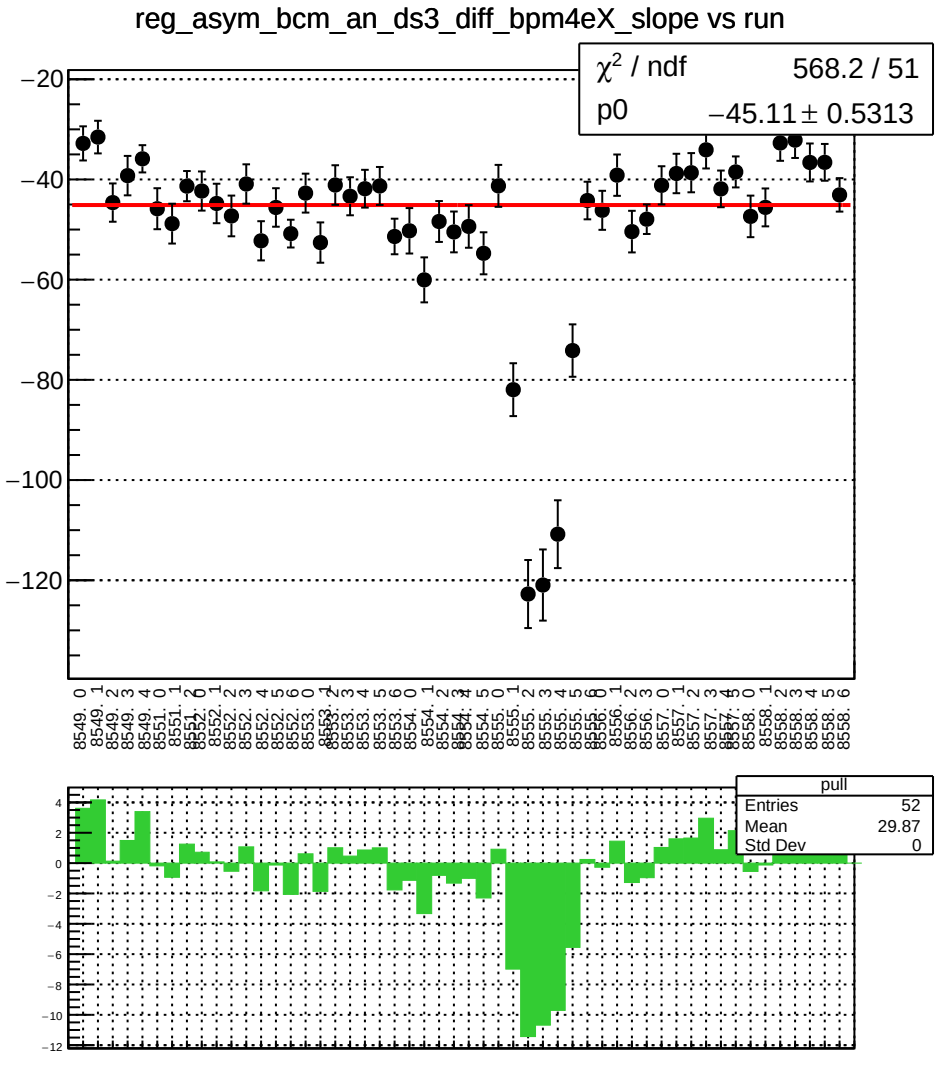

pull1D
Entries 52
Mean 0.01859
Std Dev 0.9713
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

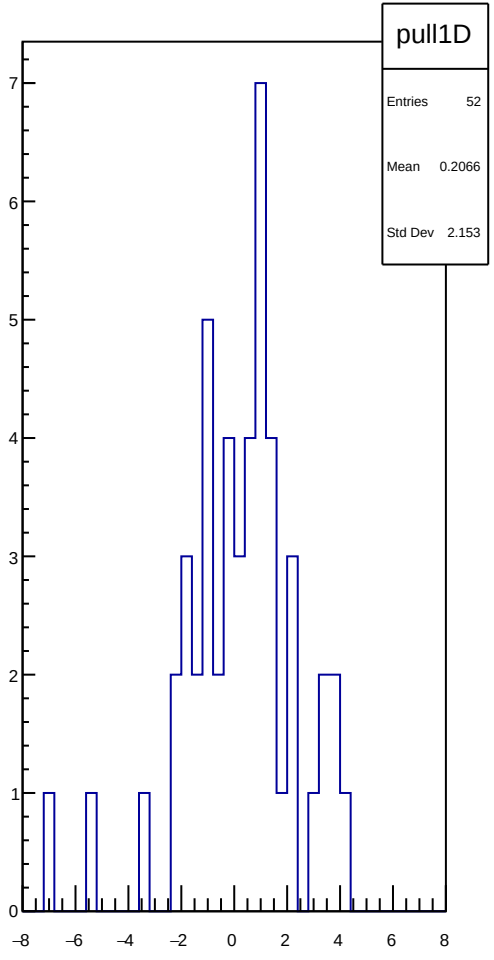

reg_asym_us_dd_atlr_dd_dd_diff_bpm12X_slope vs run
χ² / ndf 51.86 / 51
p0 −17.93 ± 2.135
pull
Entries 52
Mean 91.27
Std Dev 0
pull1D
Entries 52
Mean 0.02073
Std Dev 0.9985

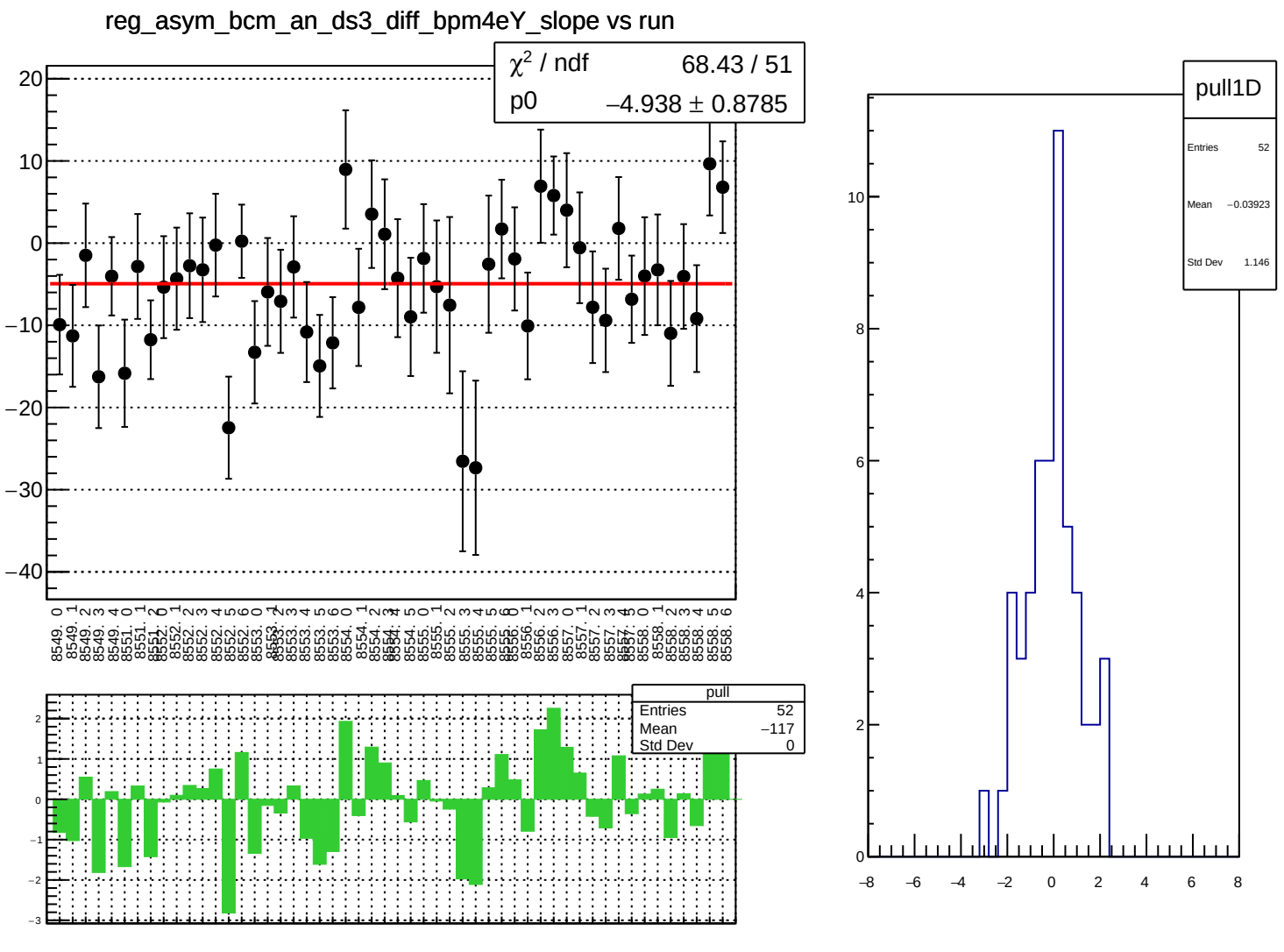

reg_asym_bcm_an_ds3_diff_bpm1X_slope vs run
χ² / ndf 441.9 / 51
p0 28.39 ± 0.4875
pull
Entries 52
Mean −5.997
Std Dev 0
pull1D
Entries 52
Mean 0.2131
Std Dev 2.687

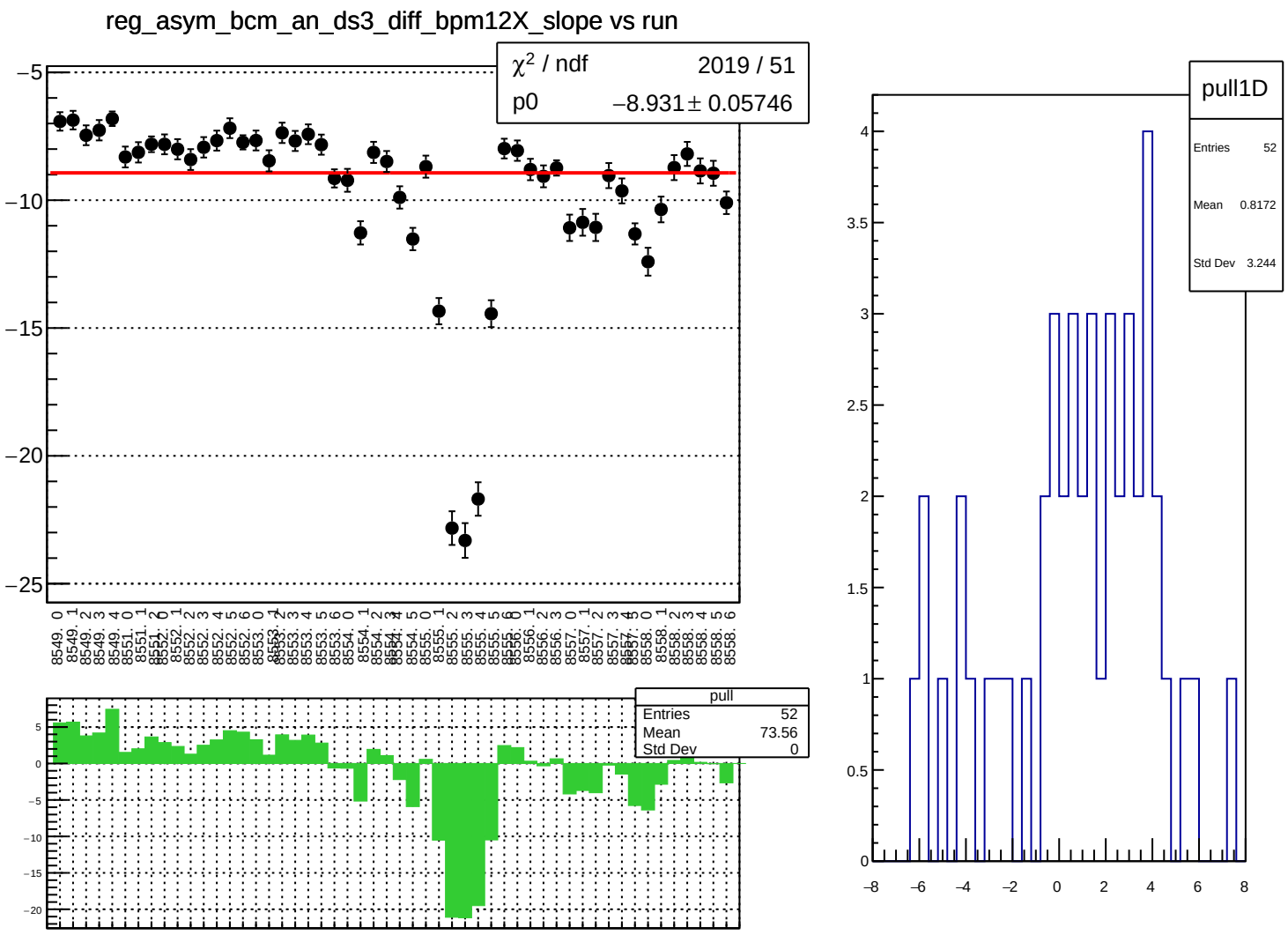

reg_asym_bcm_an_ds3_diff_bpm4aY_slope vs run
χ² / ndf 68.53 / 51
p0 0.08236 ± 0.8284
pull
Entries 52
Mean −831.1
Std Dev 0

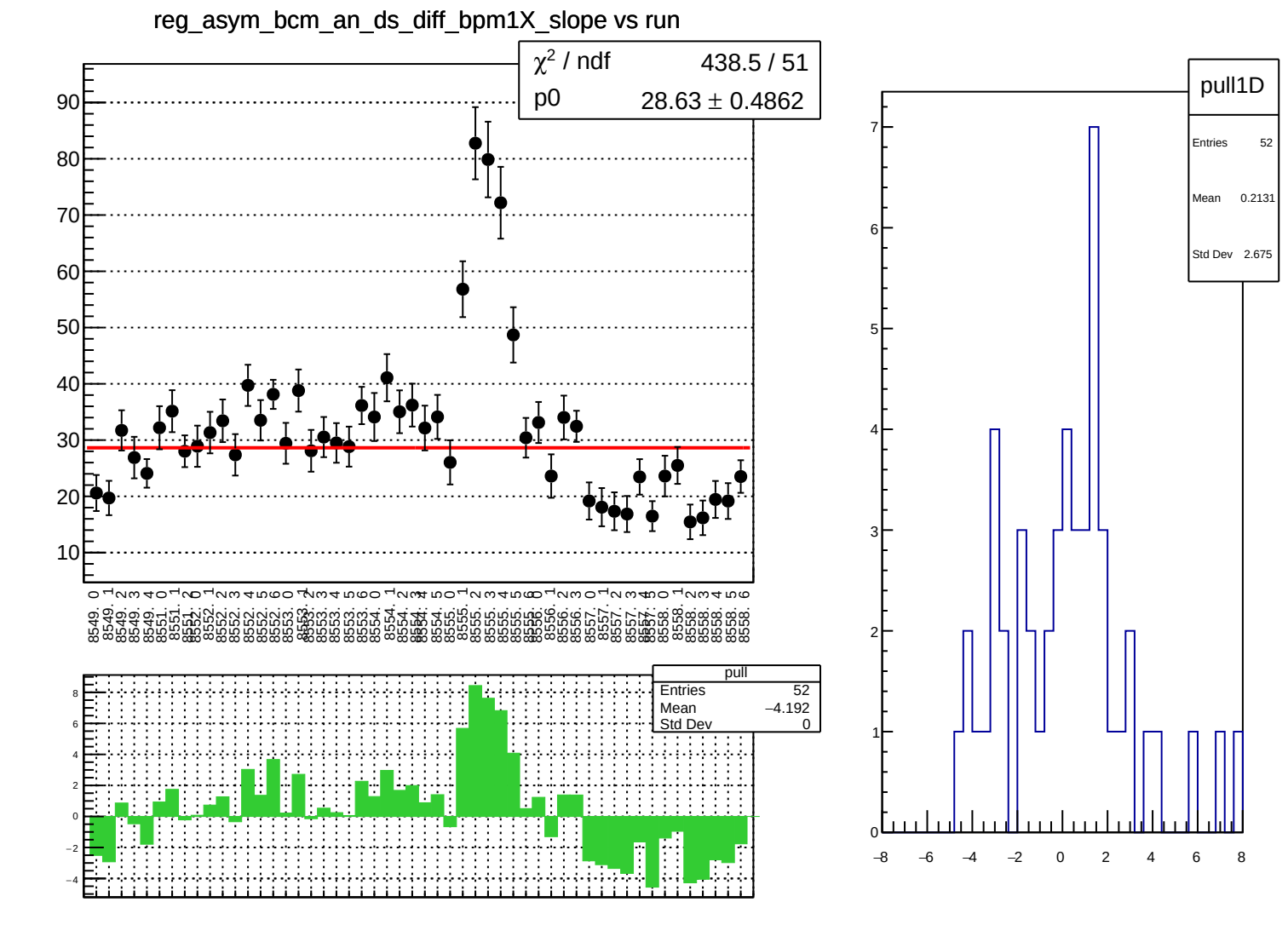

pull1D
Entries 52
Mean 0.008029
Std Dev 1.148

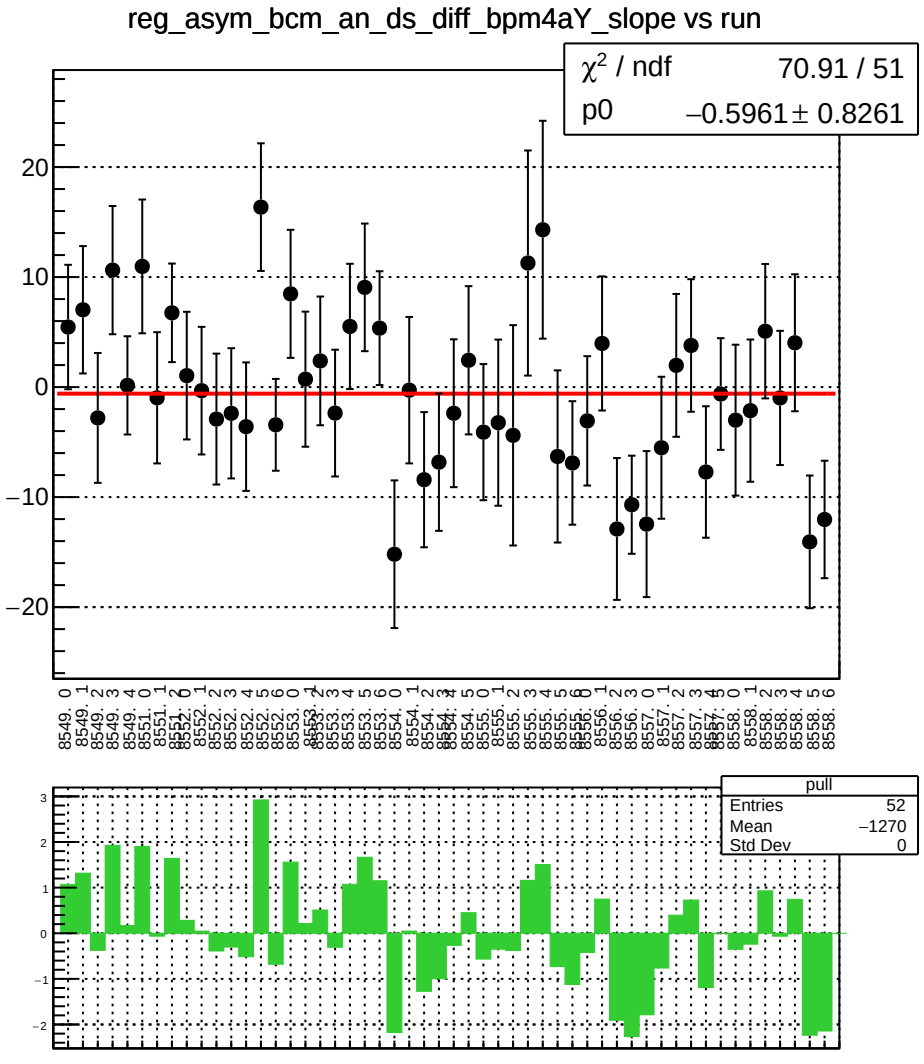

reg_asym_bcm_an_ds3_diff_bpm4eX_slope vs run
χ² / ndf 568.2 / 51
p0 −45.11 ± 0.5313
pull
Entries 52
Mean 29.87
Std Dev 0

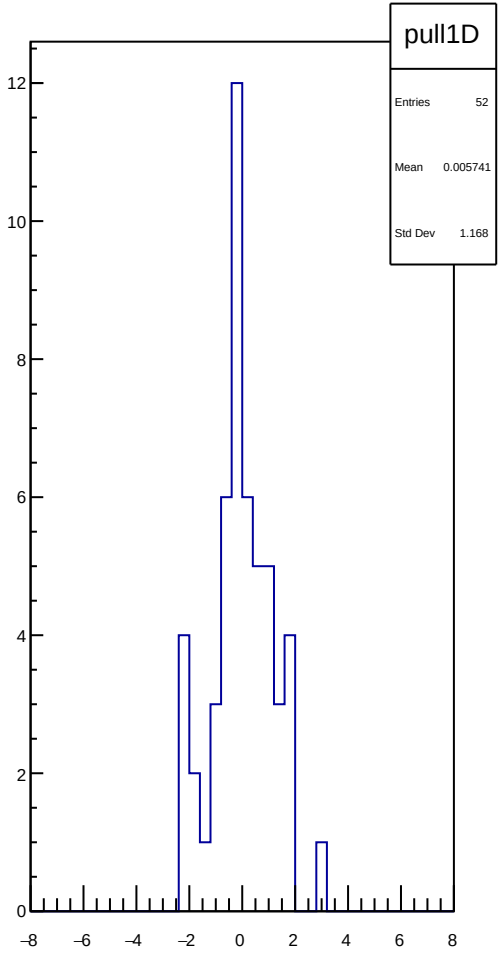

pull1D
Entries 52
Mean 0.2066
Std Dev 2.153

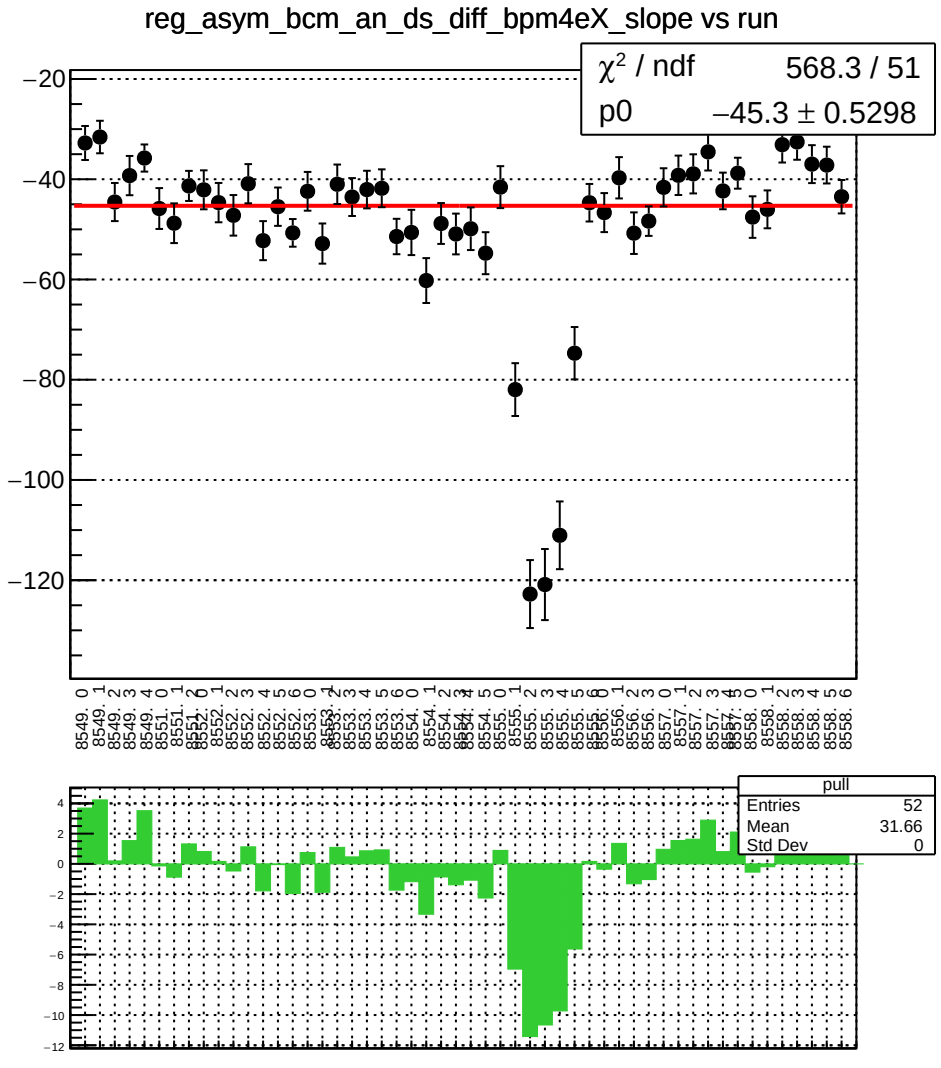

reg_asym_bcm_an_ds3_diff_bpm4eY_slope vs run
χ² / ndf 68.43 / 51
p0 −4.938 ± 0.8785
pull
Entries 52
Mean −117
Std Dev 0
pull1D
Entries 52
Mean −0.03923
Std Dev 1.146

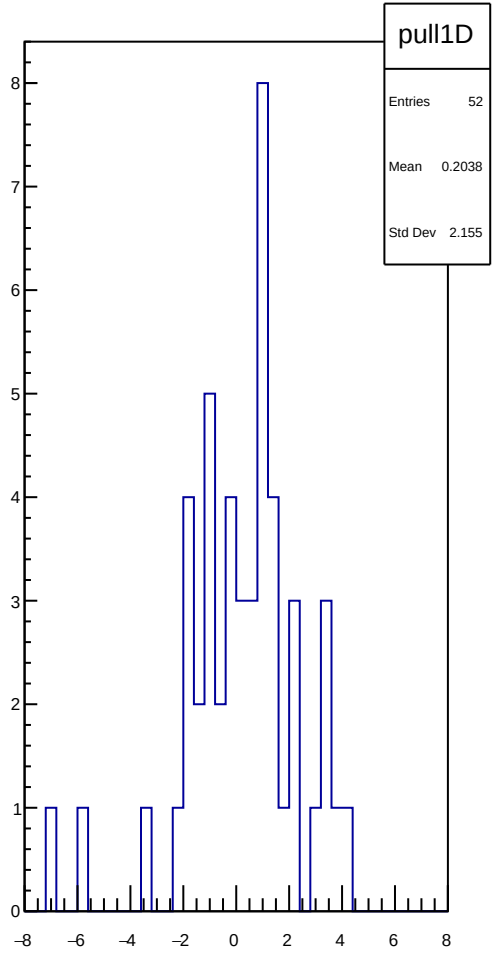

reg_asym_bcm_an_ds3_diff_bpm12X_slope vs run
χ² / ndf 2019 / 51
p0 −8.931 ± 0.05746
pull
Entries 52
Mean 73.56
Std Dev 0
pull1D
Entries 52
Mean 0.8172
Std Dev 3.244

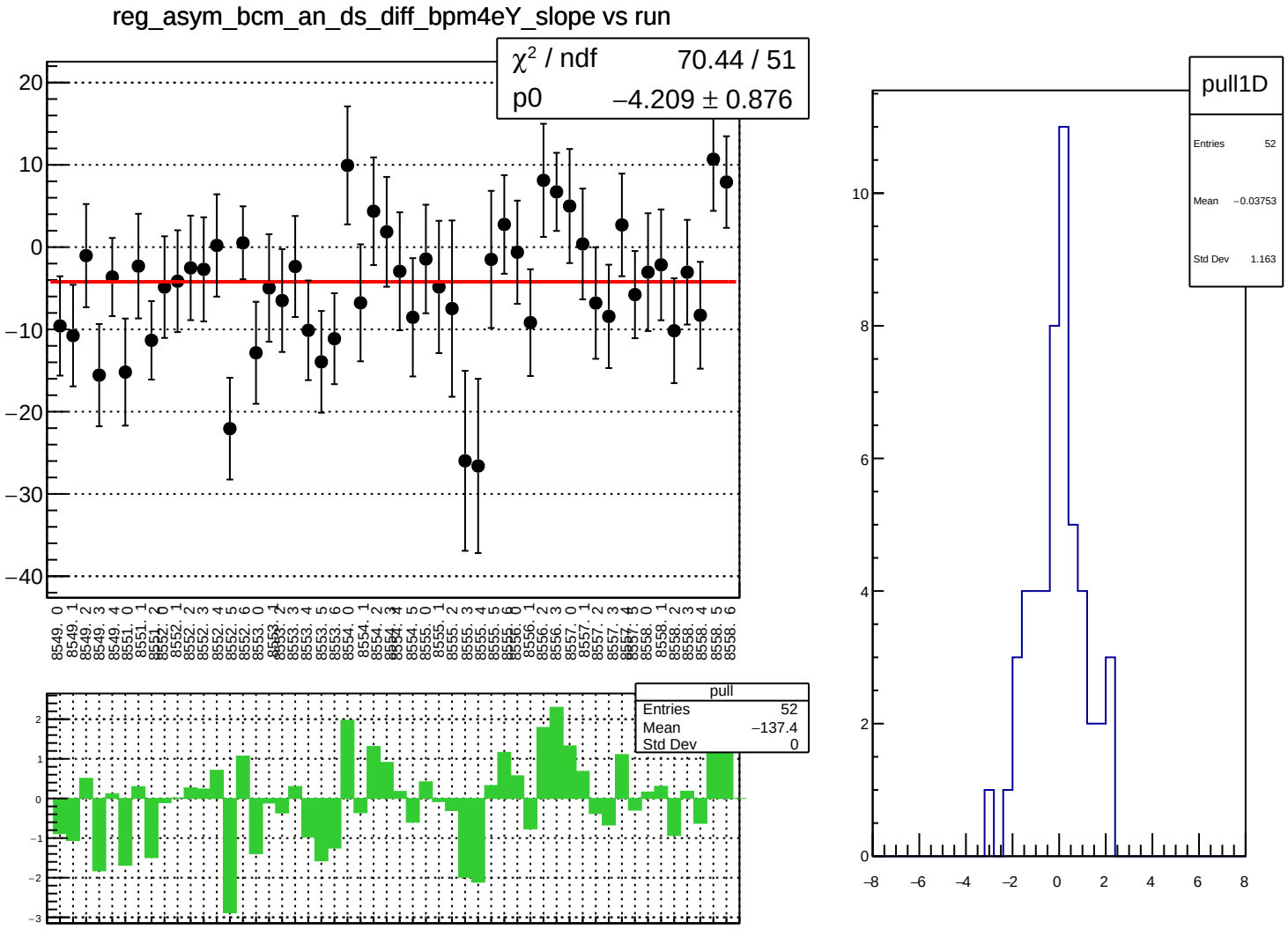

reg_asym_bcm_an_ds_diff_bpm1X_slope vs run
χ² / ndf 438.5 / 51
p0 28.63 ± 0.4862
pull
Entries 52
Mean −4.192
Std Dev 0
pull1D
Entries 52
Mean 0.2131
Std Dev 2.675

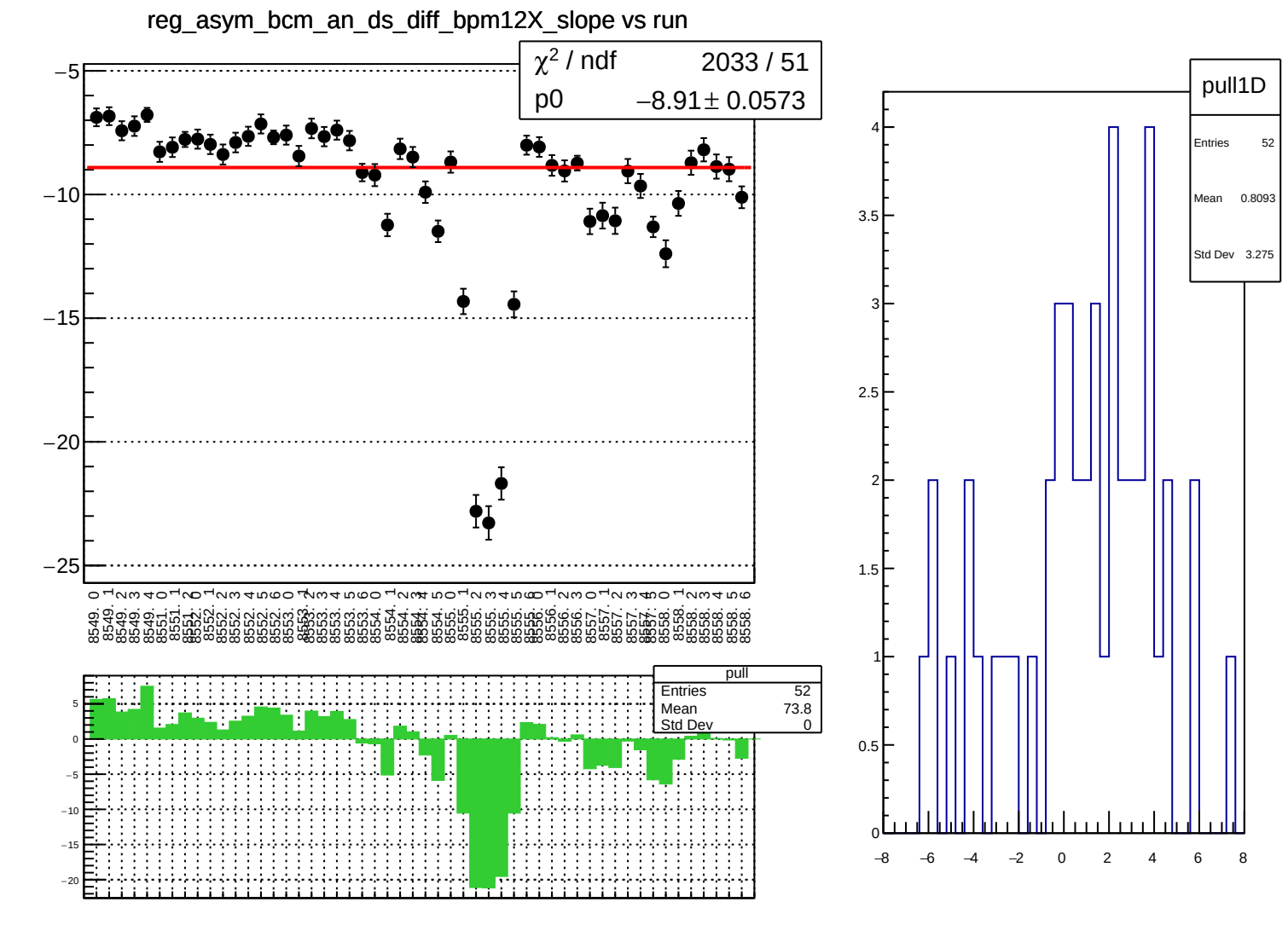

reg_asym_bcm_an_ds_diff_bpm4aY_slope vs run
χ² / ndf 70.91 / 51
p0 −0.5961 ± 0.8261
pull
Entries 52
Mean −1270
Std Dev 0

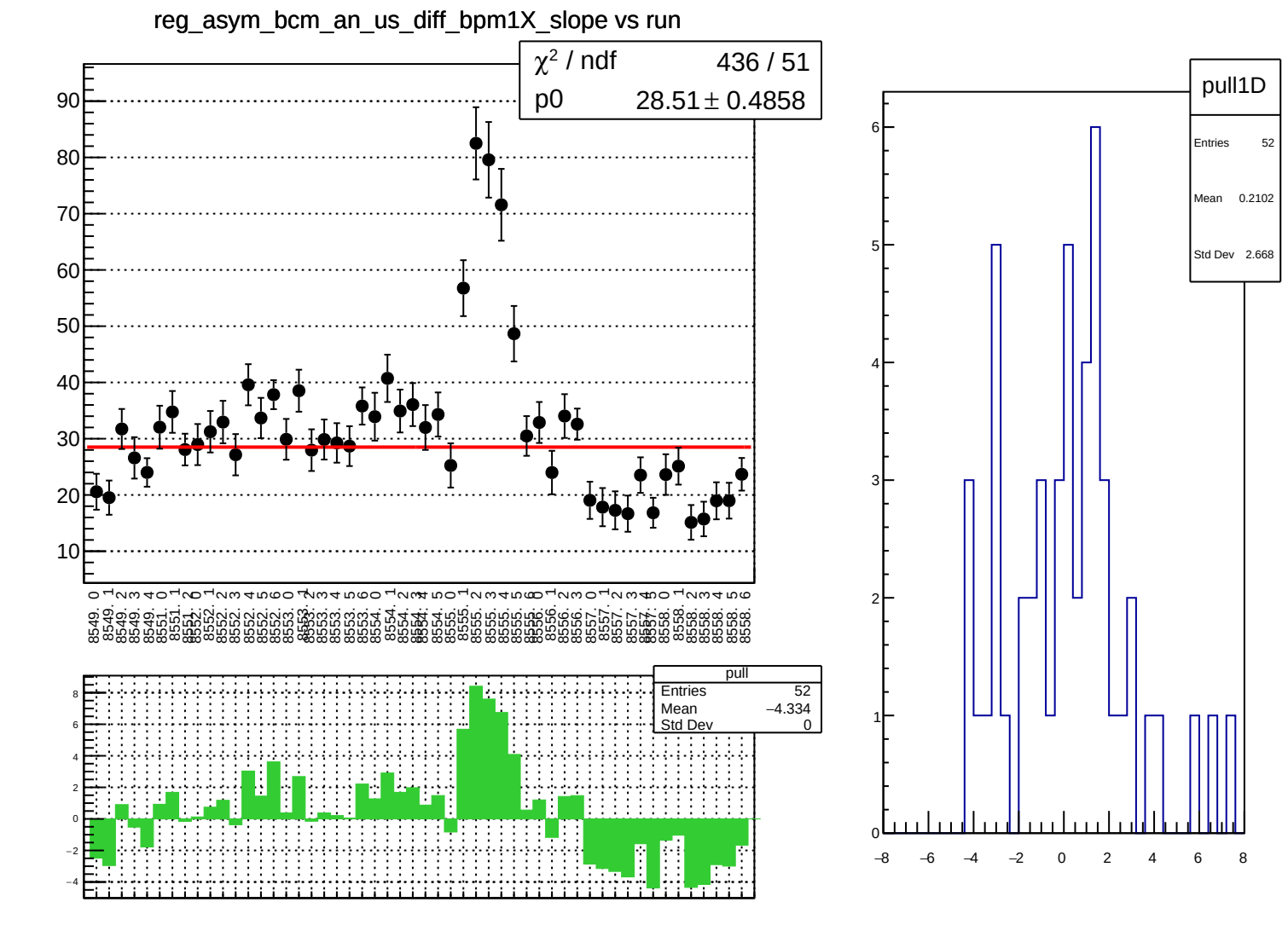

pull1D
Entries 52
Mean 0.005741
Std Dev 1.168

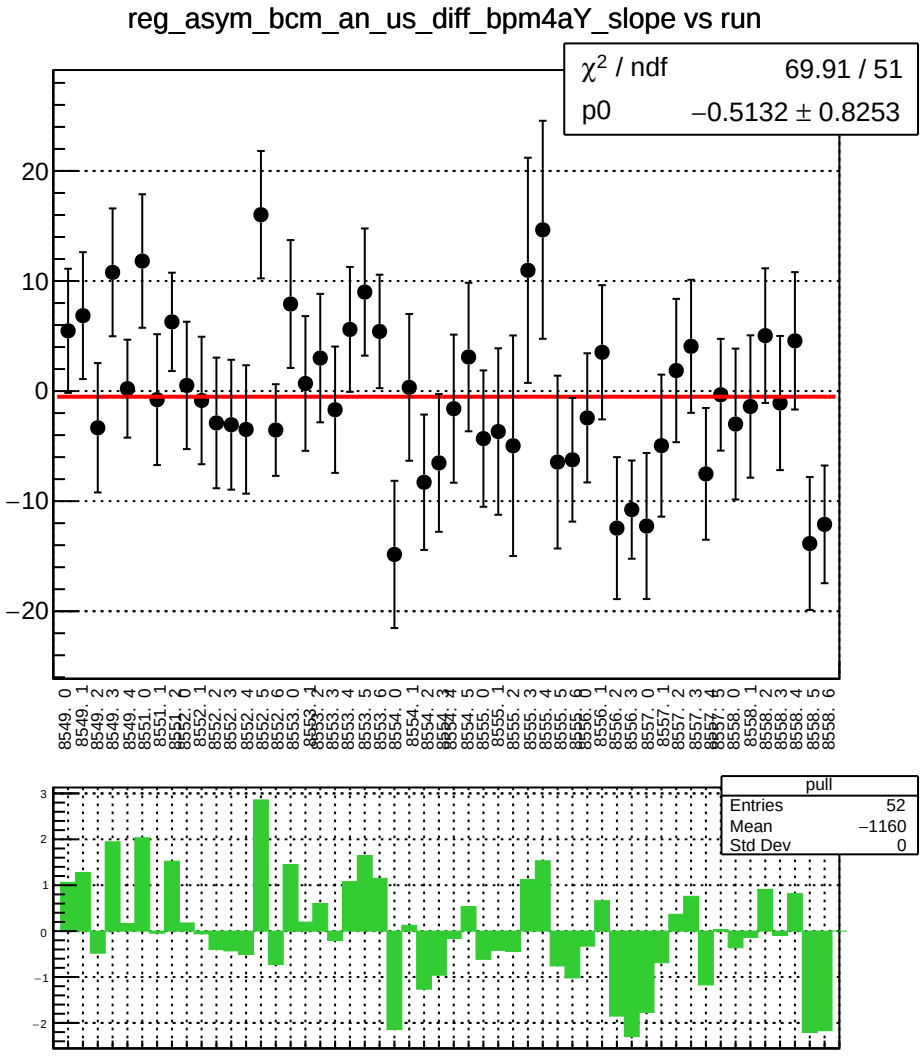

reg_asym_bcm_an_ds_diff_bpm4eX_slope vs run
χ² / ndf 568.3 / 51
p0 −45.3 ± 0.5298
pull
Entries 52
Mean 31.66
Std Dev 0

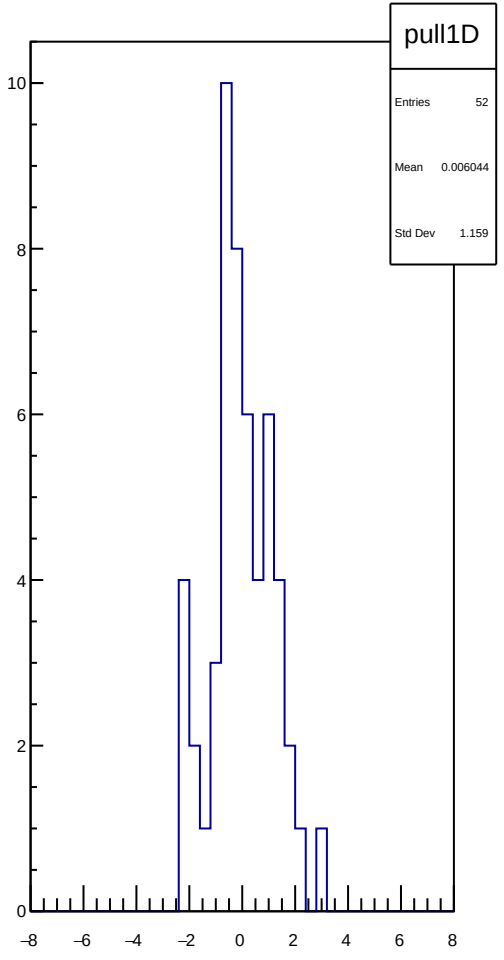

pull1D
Entries 52
Mean 0.2038
Std Dev 2.155

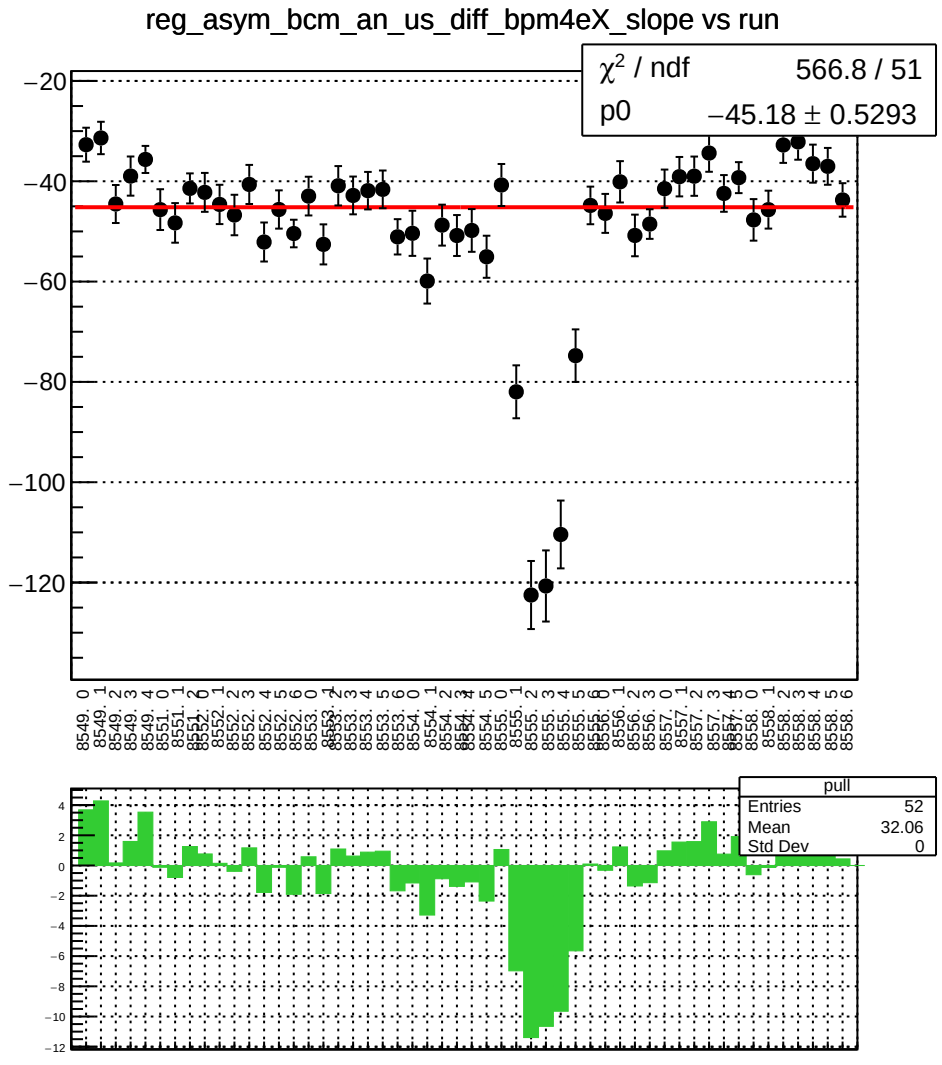

reg_asym_bcm_an_ds_diff_bpm4eY_slope vs run
χ² / ndf 70.44 / 51
p0 −4.209 ± 0.876
pull
Entries 52
Mean −137.4
Std Dev 0
pull1D
Entries 52
Mean −0.03753
Std Dev 1.163

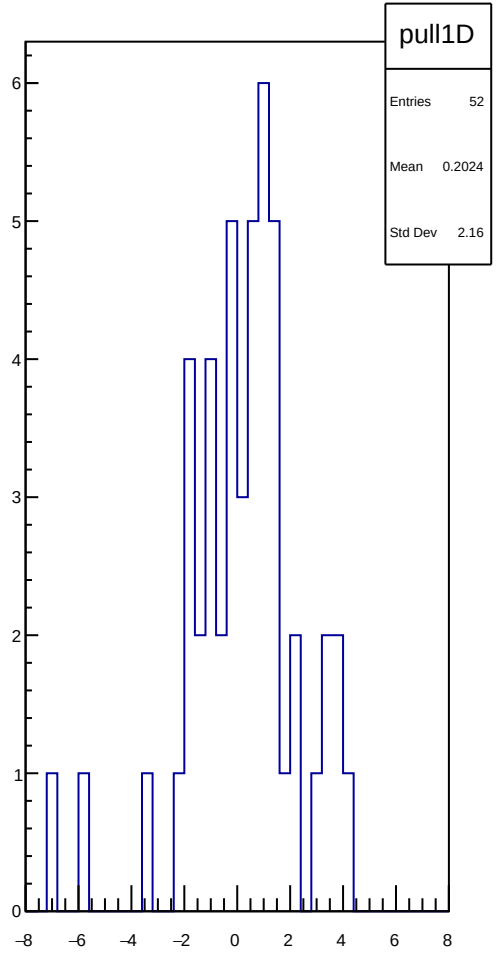

reg_asym_bcm_an_ds_diff_bpm12X_slope vs run
χ² / ndf 2033 / 51
p0 −8.91 ± 0.0573
pull
Entries 52
Mean 73.8
Std Dev 0
pull1D
Entries 52
Mean 0.8093
Std Dev 3.275

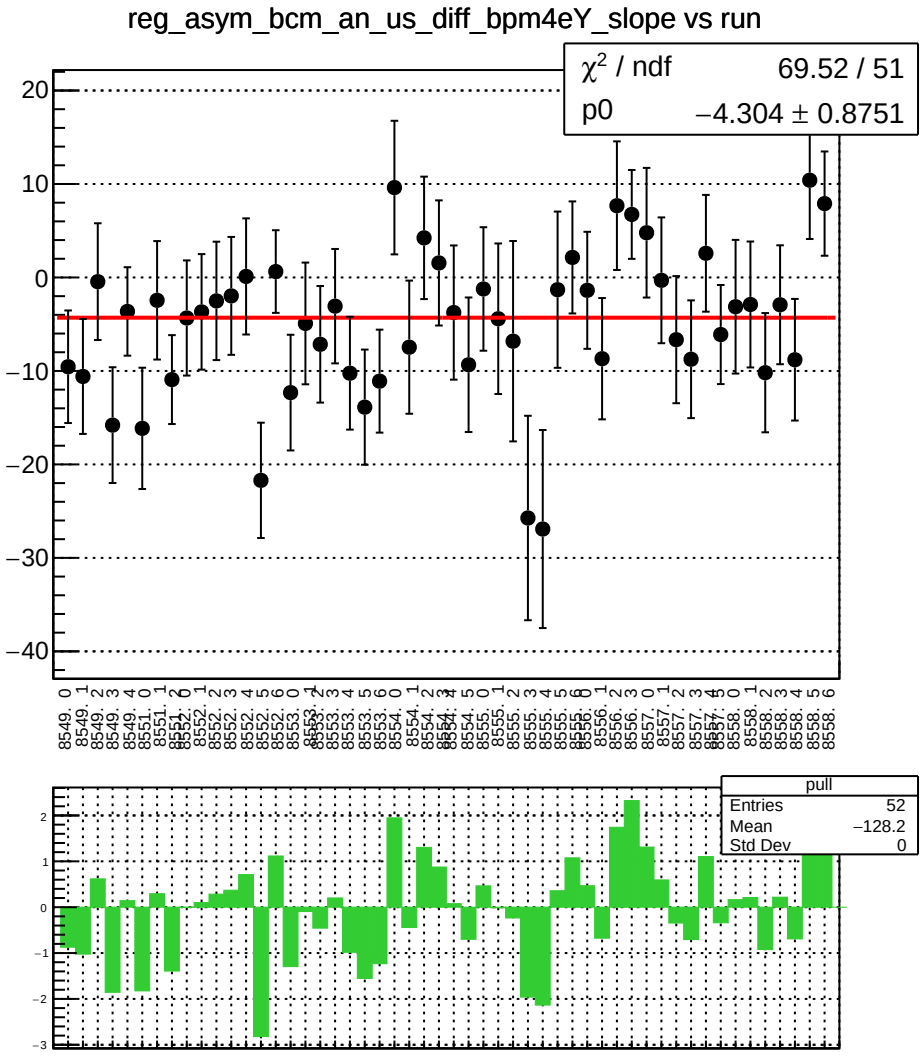

reg_asym_bcm_an_us_diff_bpm1X_slope vs run
χ² / ndf 436 / 51
p0 28.51 ± 0.4858
pull
Entries 52
Mean −4.334
Std Dev 0
pull1D
Entries 52
Mean 0.2102
Std Dev 2.668

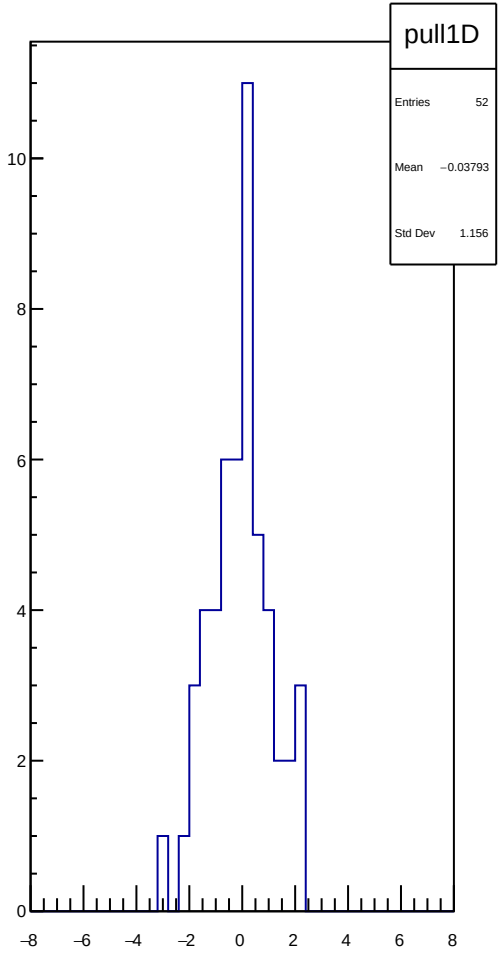

reg_asym_bcm_an_us_diff_bpm4aY_slope vs run
χ² / ndf 69.91 / 51
p0 −0.5132 ± 0.8253
pull
Entries 52
Mean −1160
Std Dev 0

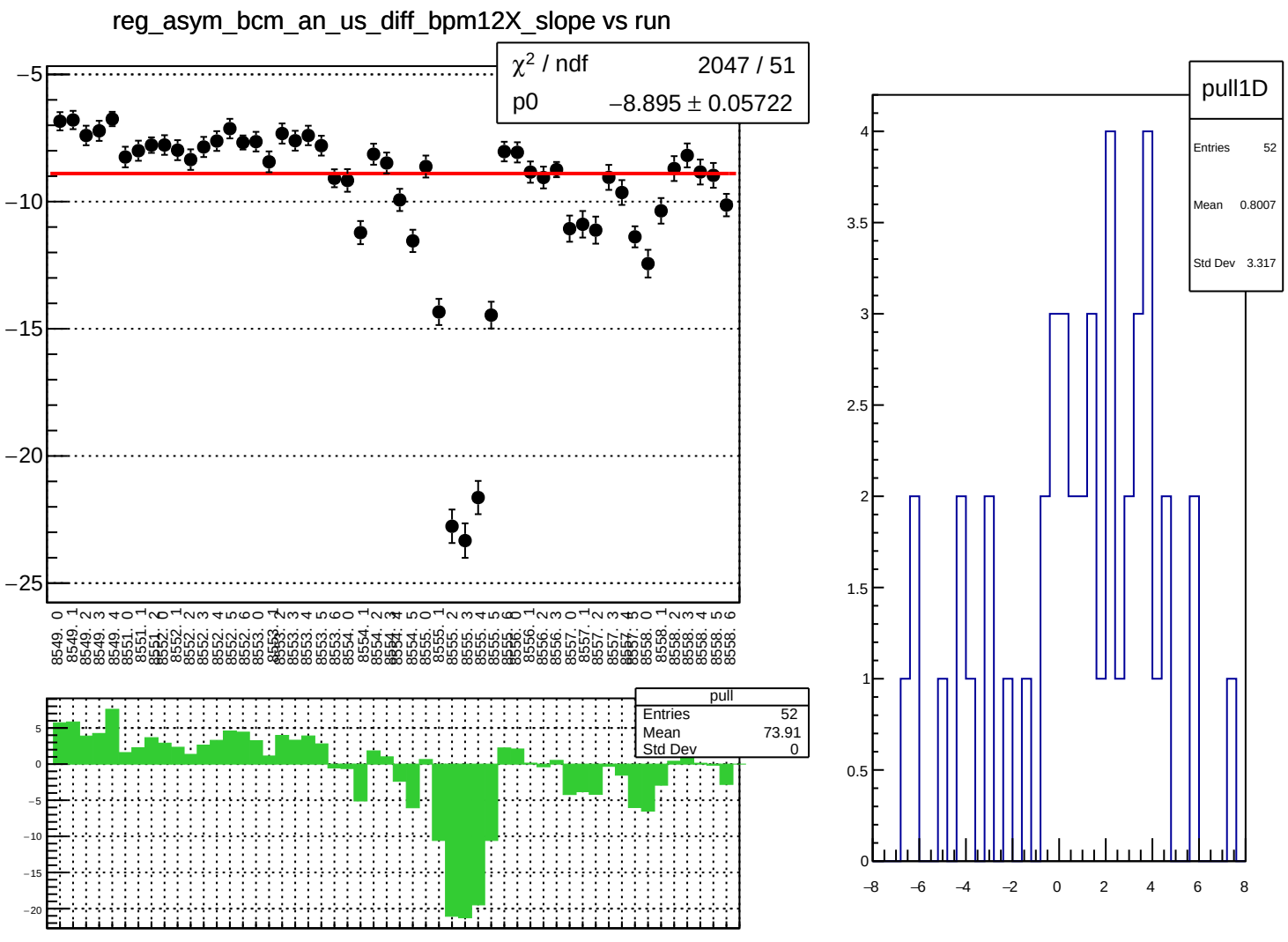

pull1D
Entries 52
Mean 0.006044
Std Dev 1.159

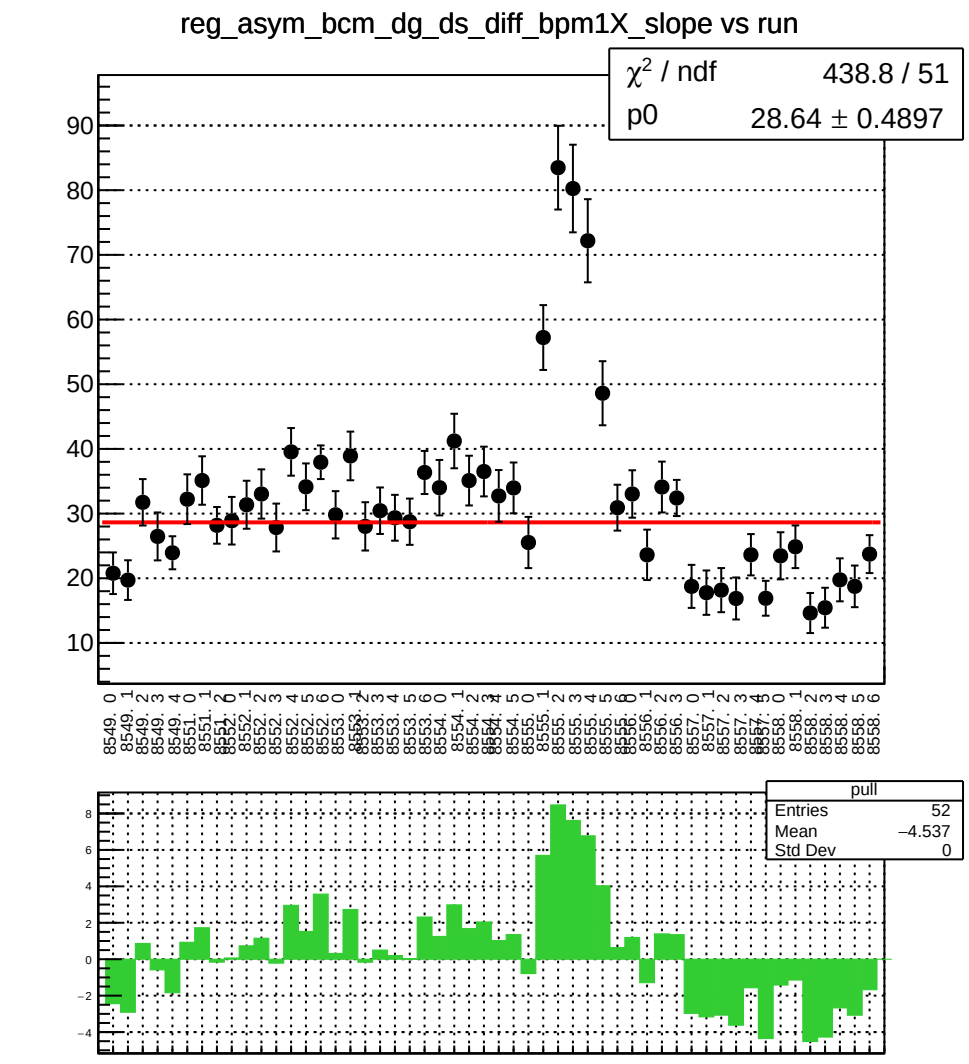

reg_asym_bcm_an_us_diff_bpm4eX_slope vs run
χ² / ndf 566.8 / 51
p0 −45.18 ± 0.5293
pull
Entries 52
Mean 32.06
Std Dev 0

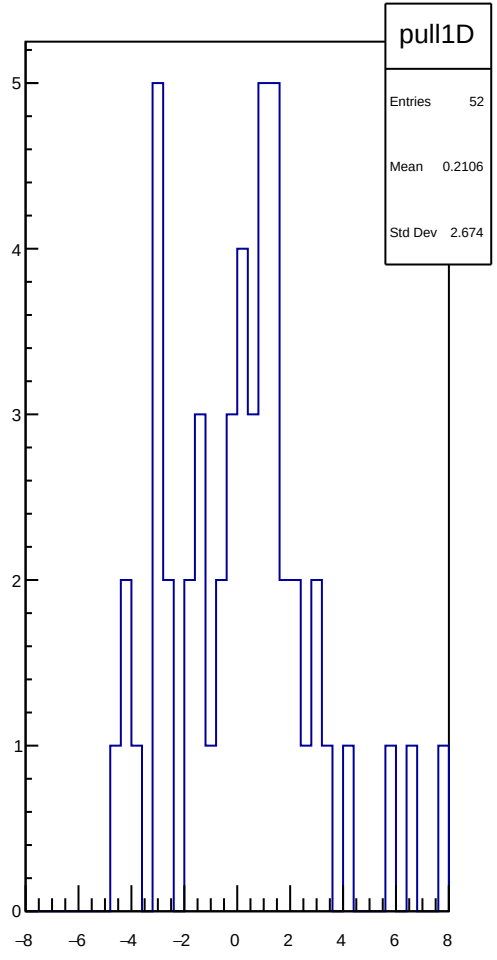

pull1D
Entries 52
Mean 0.2024
Std Dev 2.16

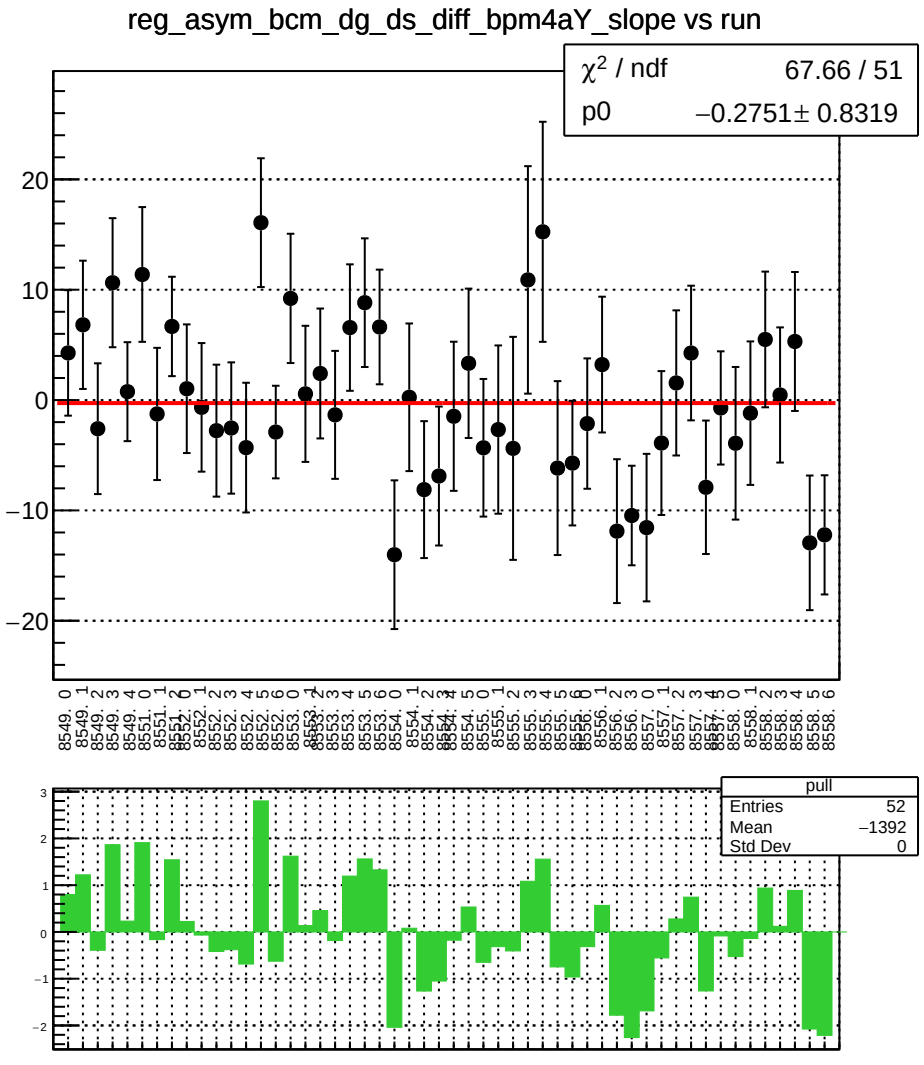

reg_asym_bcm_an_us_diff_bpm4eY_slope vs run
χ² / ndf 69.52 / 51
p0 −4.304 ± 0.8751
pull
Entries 52
Mean −128.2
Std Dev 0

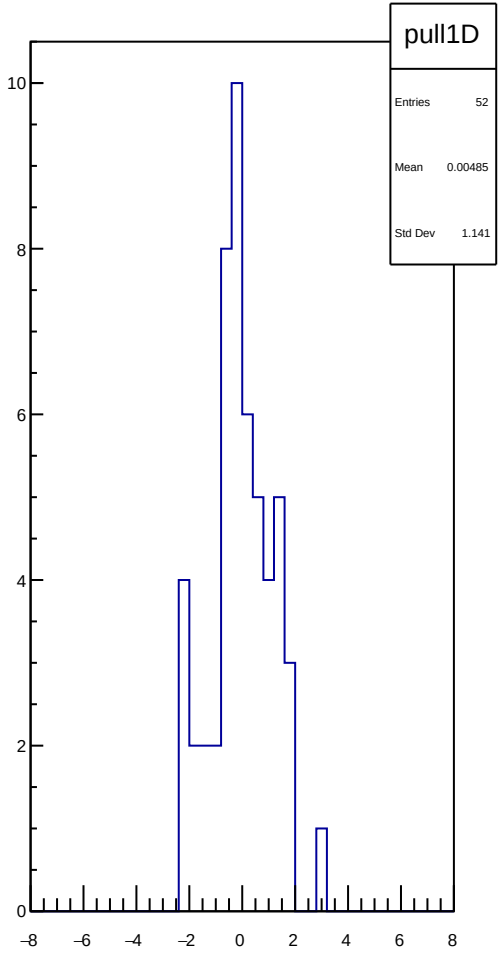

pull1D
Entries 52
Mean −0.03793
Std Dev 1.156

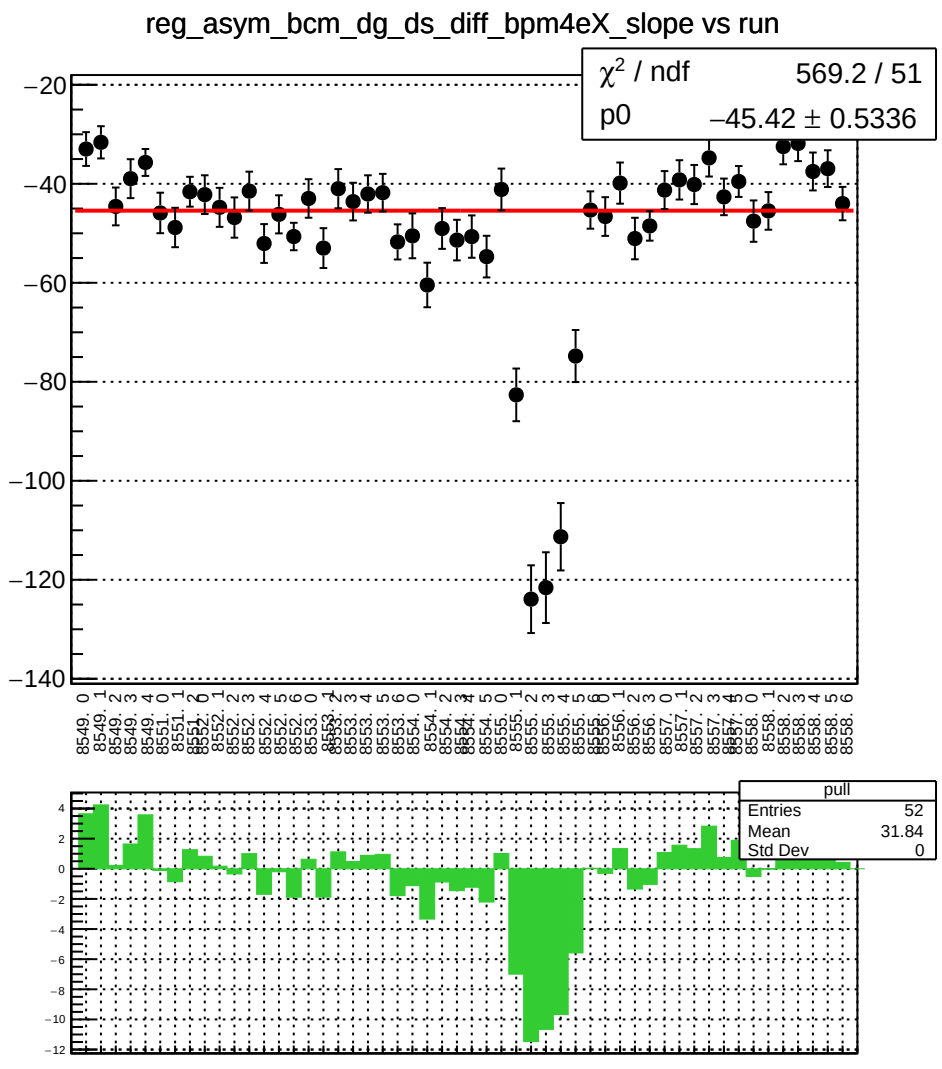

reg_asym_bcm_an_us_diff_bpm12X_slope vs run
χ² / ndf 2047 / 51
p0 −8.895 ± 0.05722
pull
Entries 52
Mean 73.91
Std Dev 0
pull1D
Entries 52
Mean 0.8007
Std Dev 3.317

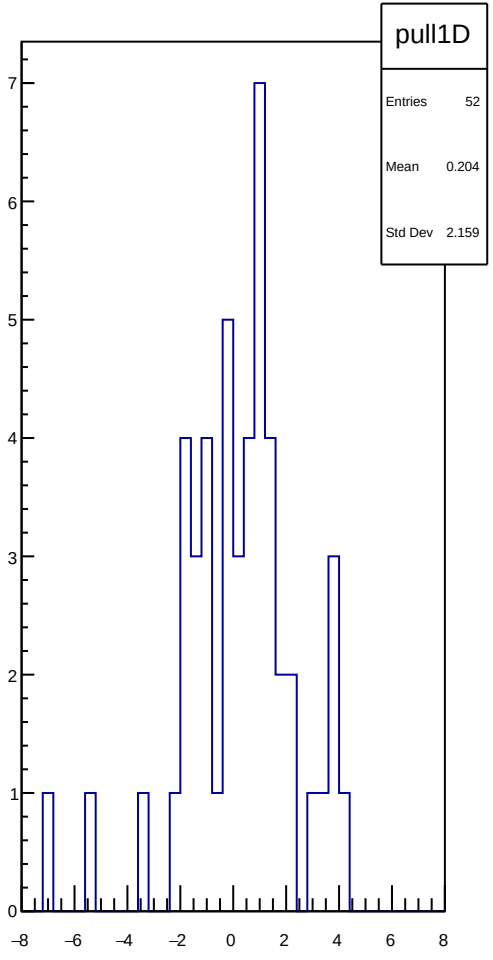

reg_asym_bcm_dg_ds_diff_bpm1X_slope vs run
χ² / ndf 438.8 / 51
p0 28.64 ± 0.4897
pull
Entries 52
Mean −4.537
Std Dev 0

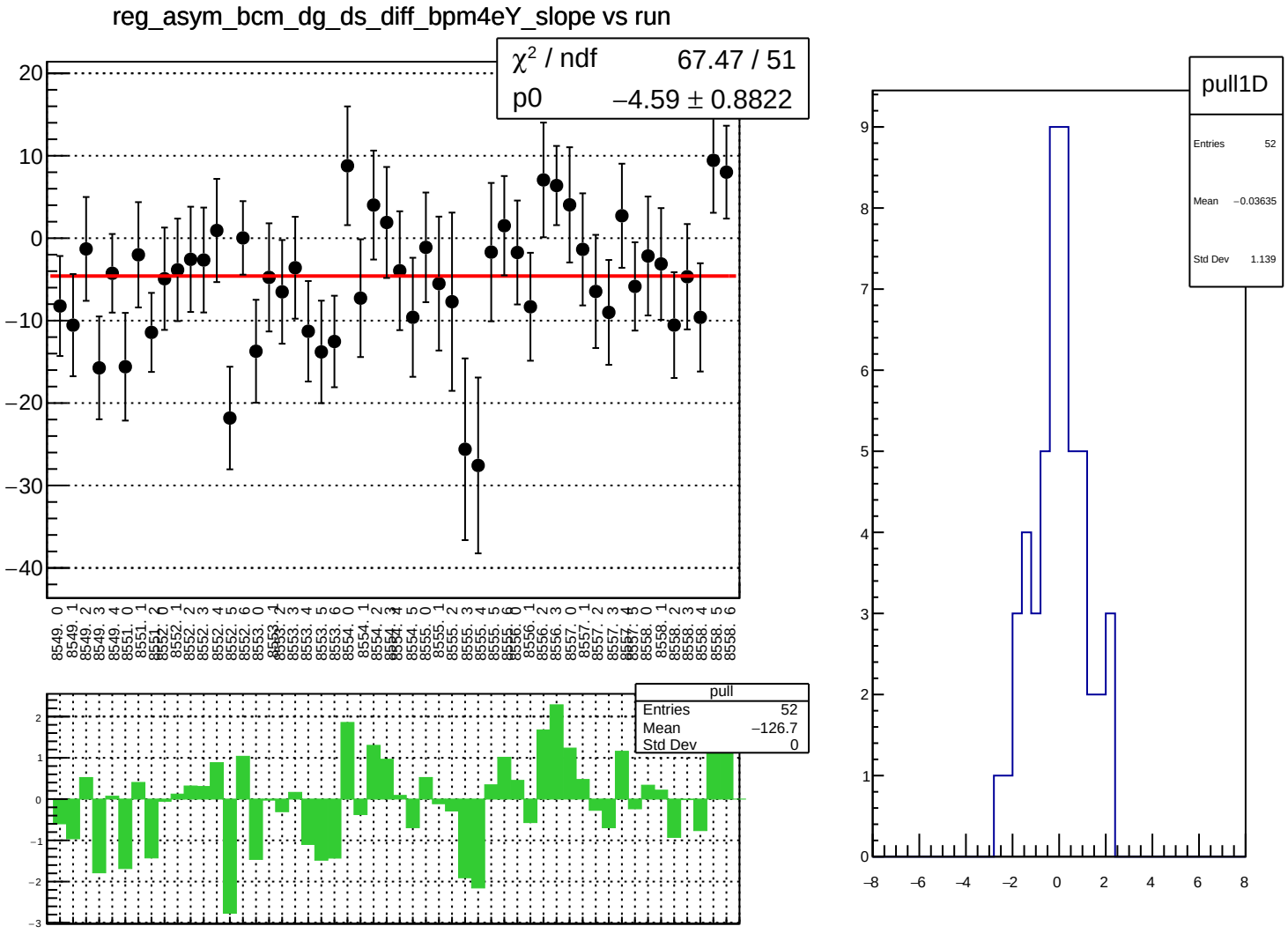

pull1D
Entries 52
Mean 0.2106
Std Dev 2.674

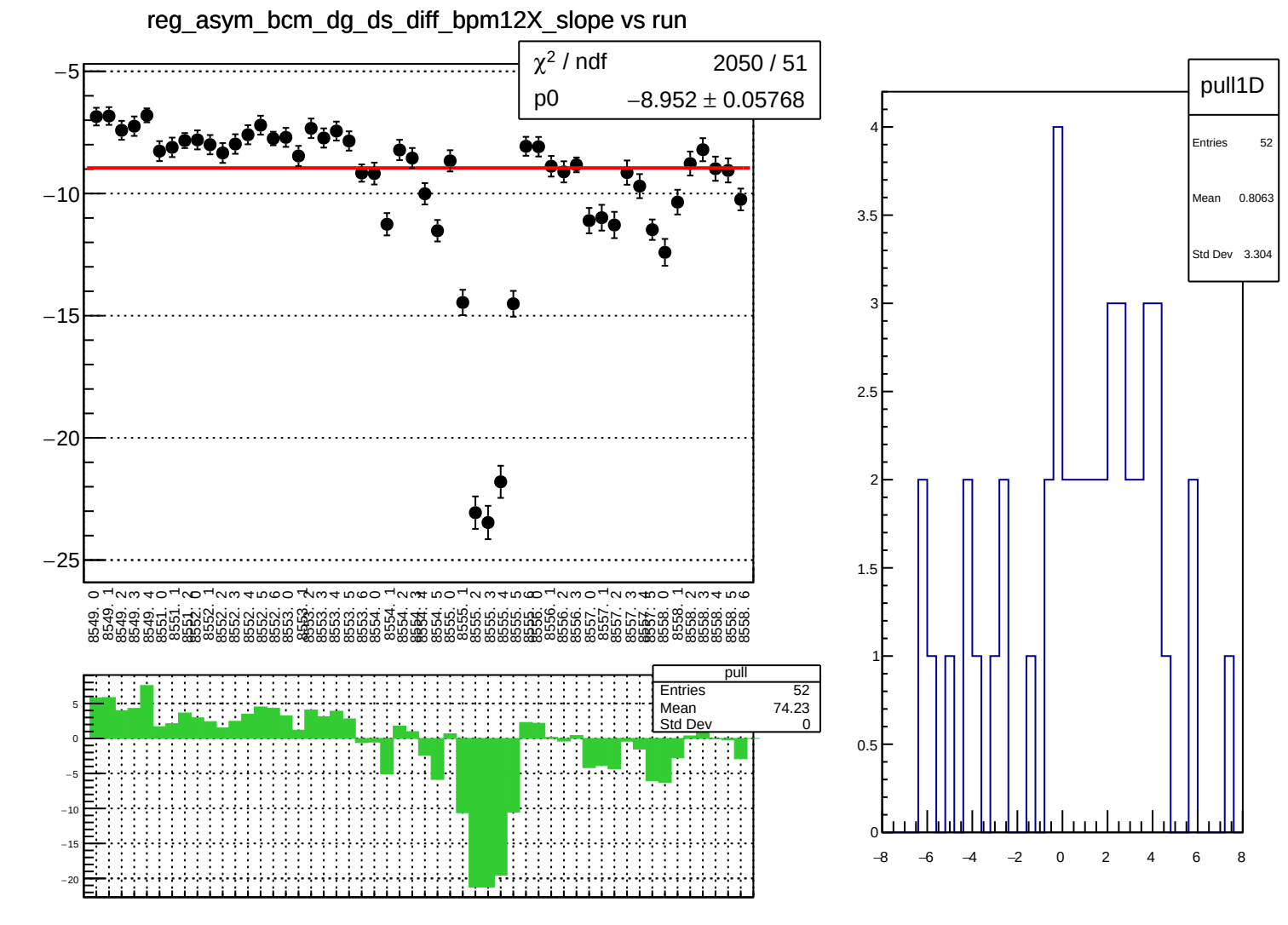

reg_asym_bcm_dg_ds_diff_bpm4aY_slope vs run
χ² / ndf 67.66 / 51
p0 −0.2751± 0.8319
pull
Entries 52
Mean −1392
Std Dev 0

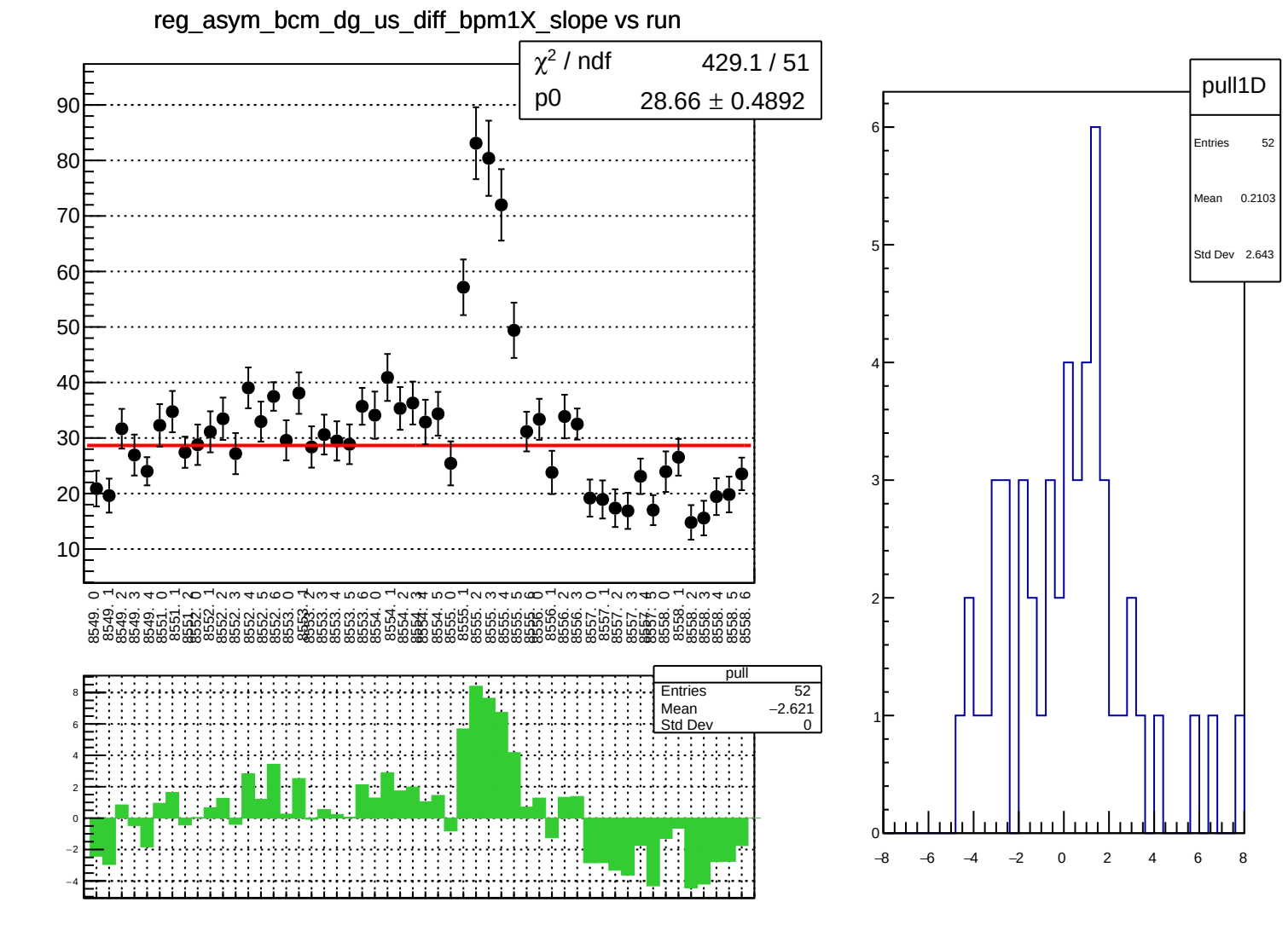

pull1D
Entries 52
Mean 0.00485
Std Dev 1.141

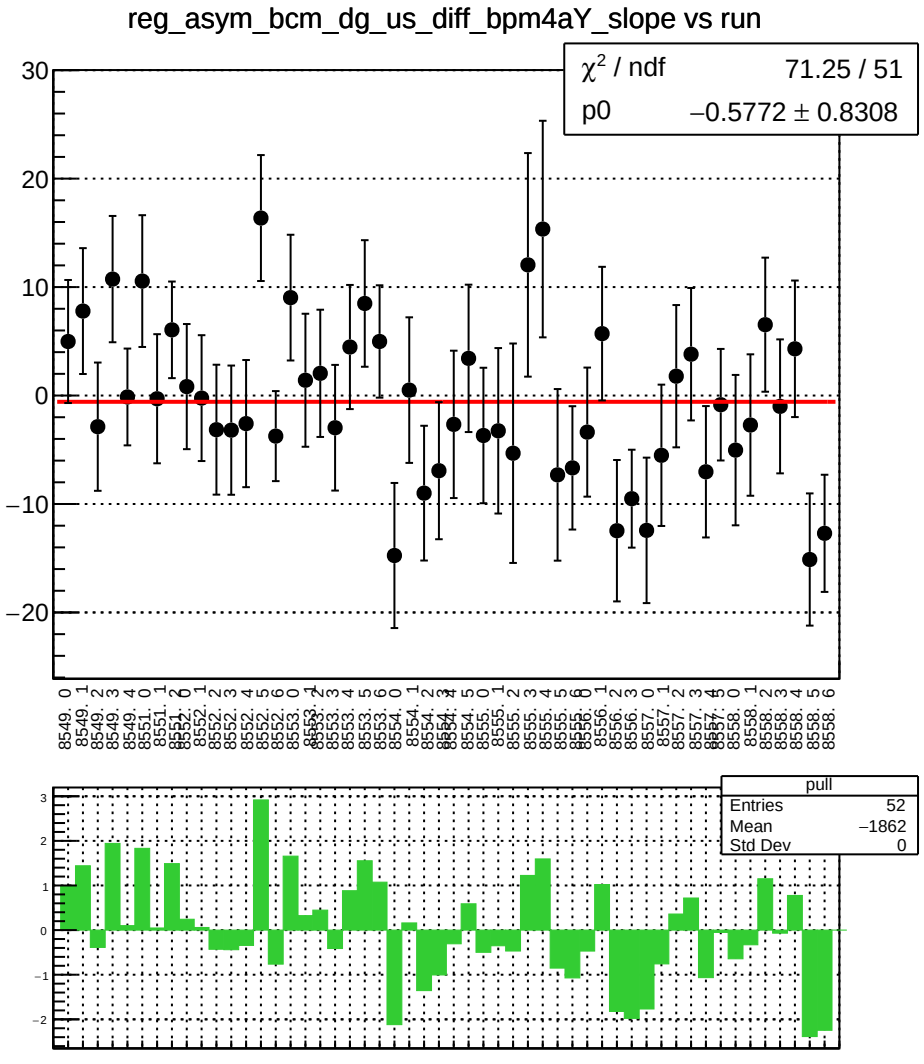

reg_asym_bcm_dg_ds_diff_bpm4eX_slope vs run
χ² / ndf 569.2 / 51
p0 −45.42 ± 0.5336
pull
Entries 52
Mean 31.84
Std Dev 0

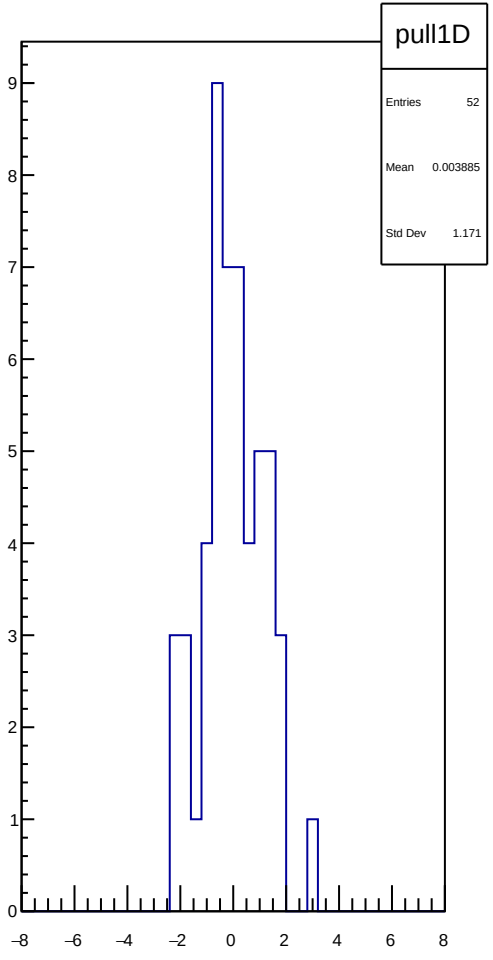

pull1D
Entries 52
Mean 0.204
Std Dev 2.159

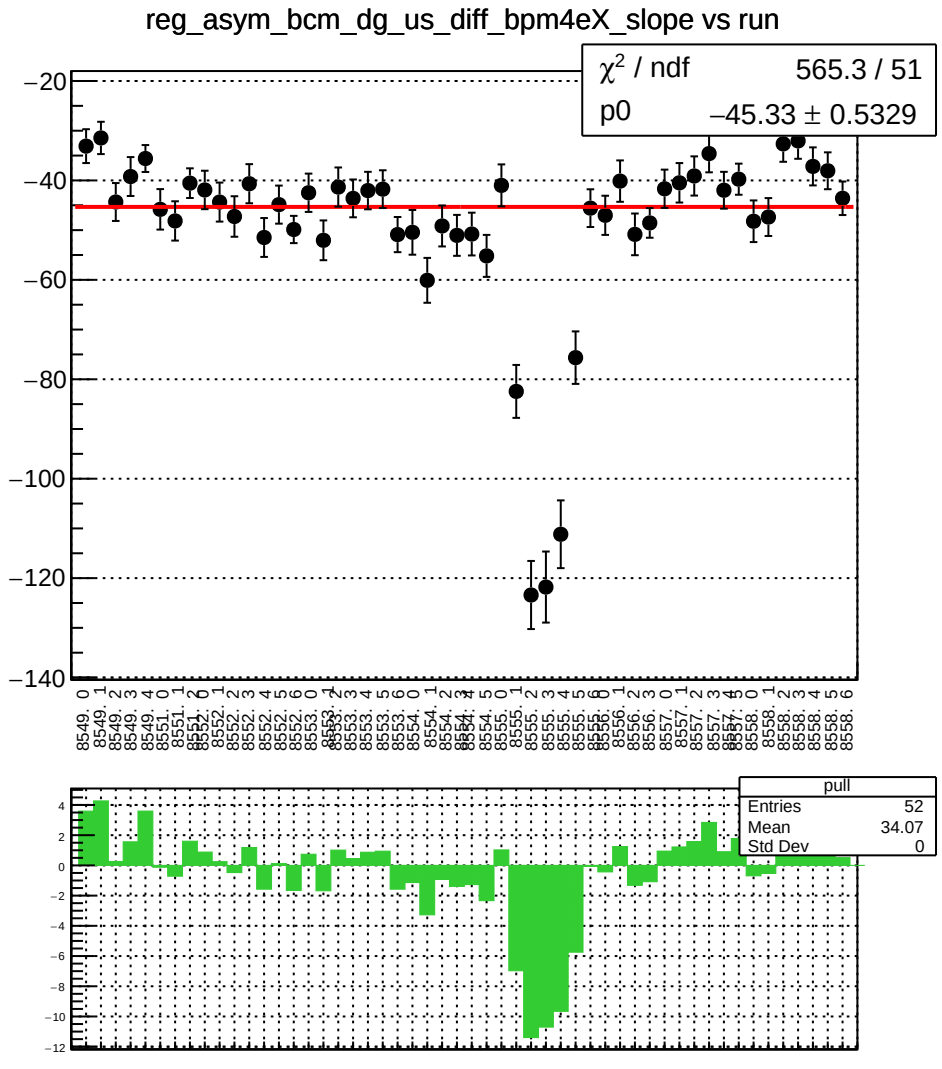

reg_asym_bcm_dg_ds_diff_bpm4eY_slope vs run
χ² / ndf 67.47 / 51
p0 −4.59 ± 0.8822
pull
Entries 52
Mean −126.7
Std Dev 0
pull1D
Entries 52
Mean −0.03635
Std Dev 1.139

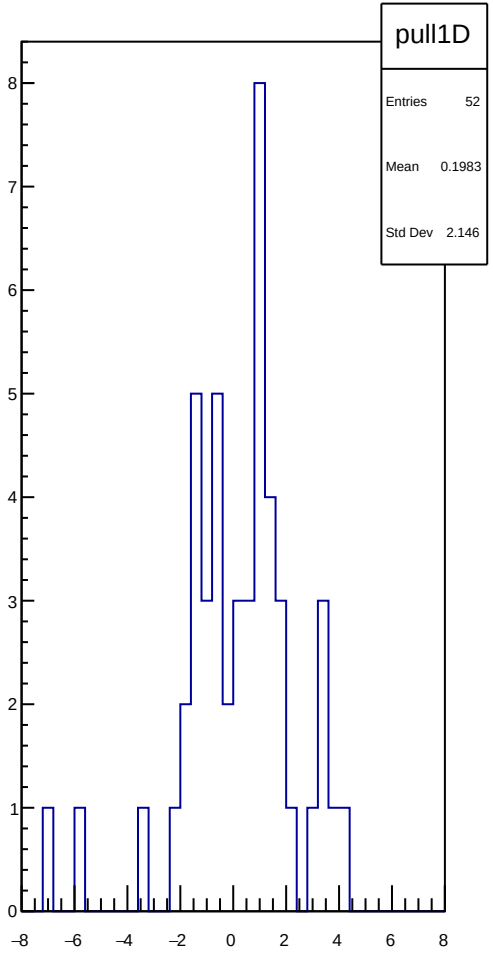

reg_asym_bcm_dg_ds_diff_bpm12X_slope vs run
χ² / ndf 2050 / 51
p0 −8.952 ± 0.05768
pull
Entries 52
Mean 74.23
Std Dev 0
pull1D
Entries 52
Mean 0.8063
Std Dev 3.304

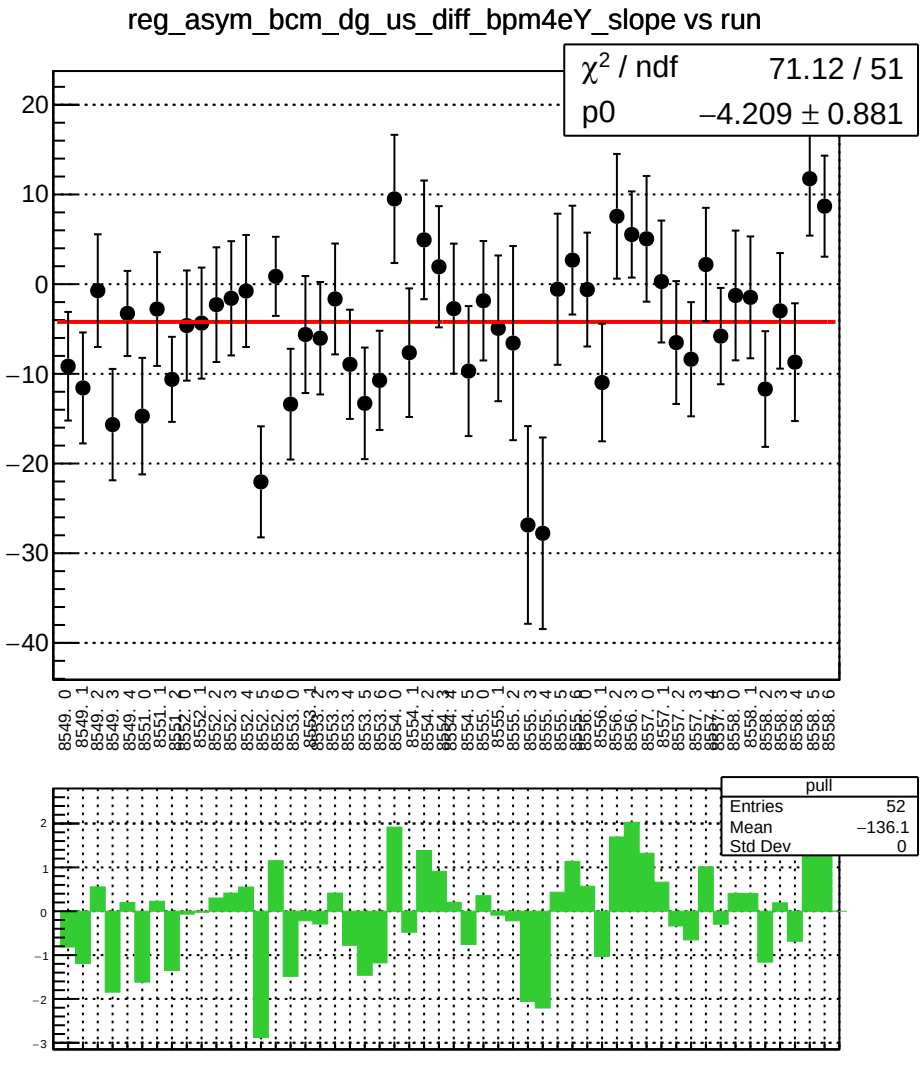

reg_asym_bcm_dg_us_diff_bpm1X_slope vs run
χ² / ndf 429.1 / 51
p0 28.66 ± 0.4892
pull
Entries 52
Mean −2.621
Std Dev 0
pull1D
Entries 52
Mean 0.2103
Std Dev 2.643

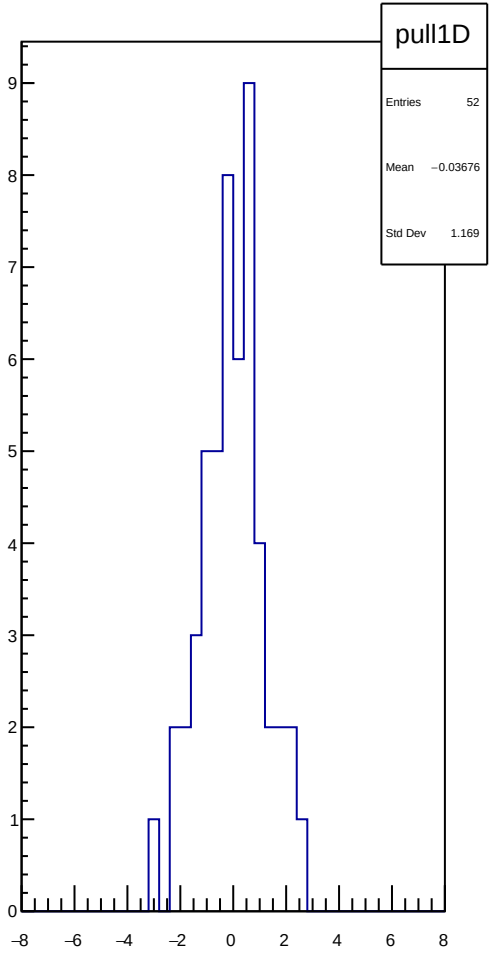

reg_asym_bcm_dg_us_diff_bpm4aY_slope vs run
χ² / ndf 71.25 / 51
p0 −0.5772 ± 0.8308
pull
Entries 52
Mean −1862
Std Dev 0

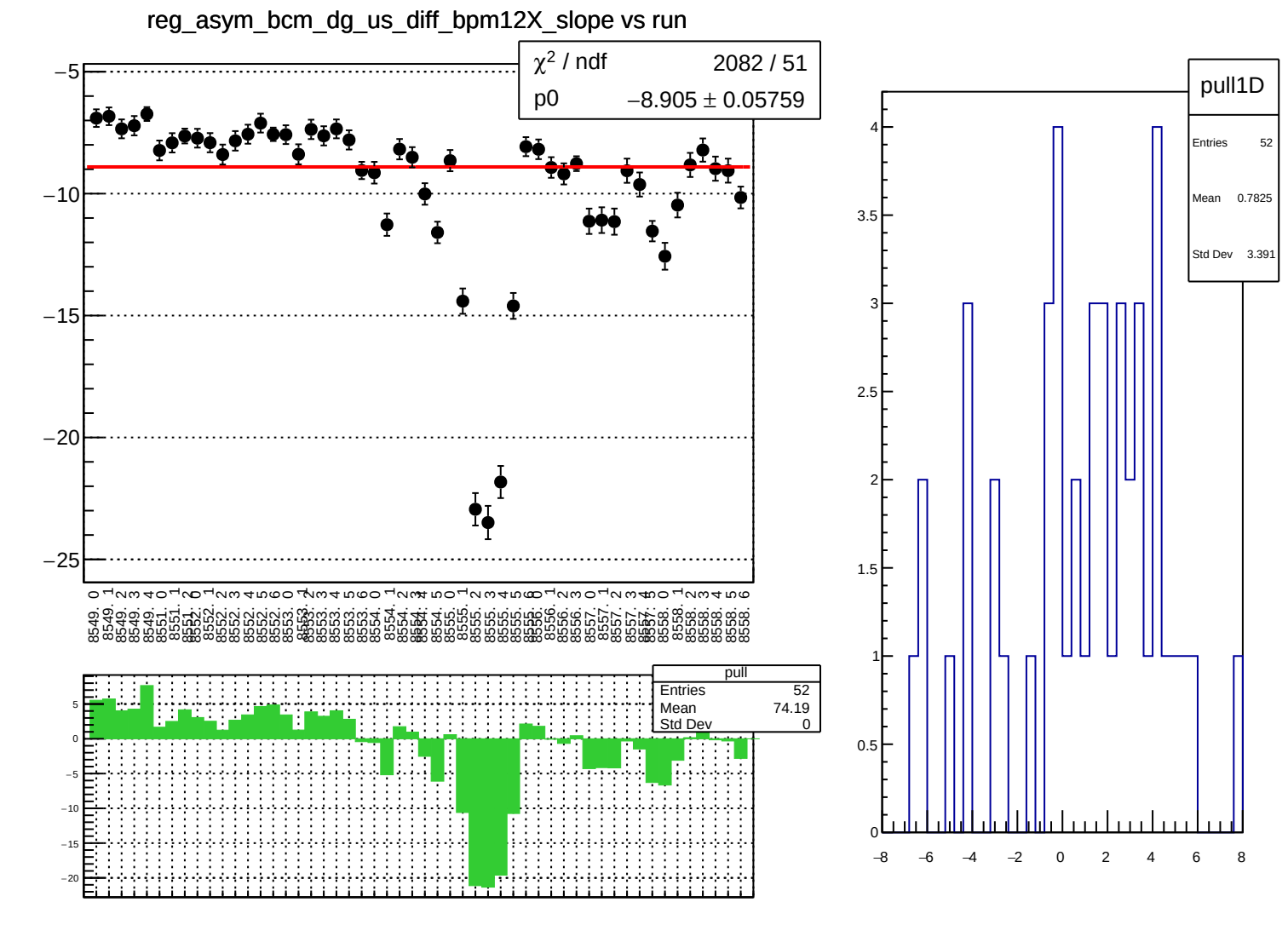

pull1D
Entries 52
Mean 0.003885
Std Dev 1.171

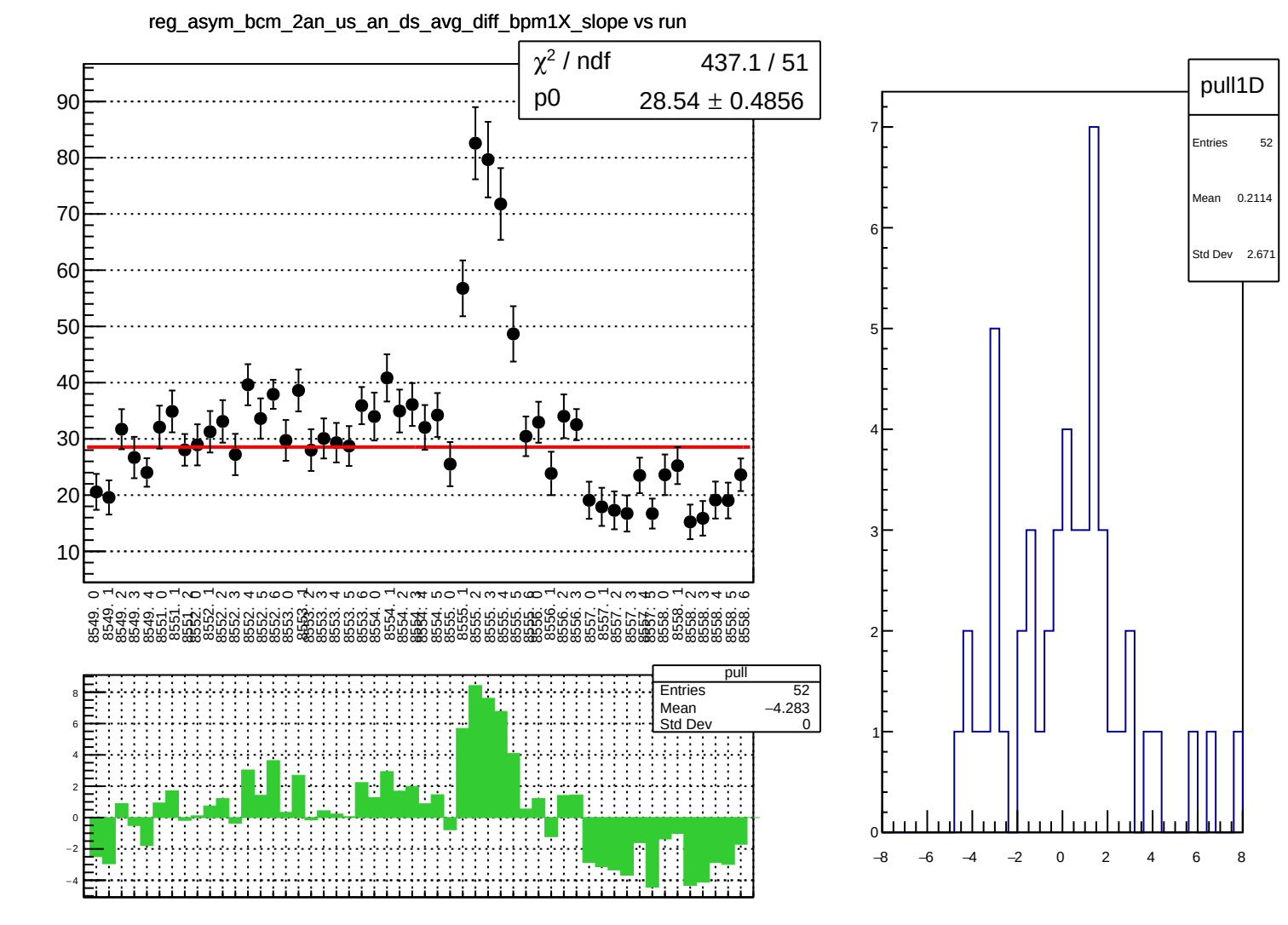

reg_asym_bcm_dg_us_diff_bpm4eX_slope vs run
χ² / ndf 565.3 / 51
p0 −45.33 ± 0.5329
pull
Entries 52
Mean 34.07
Std Dev 0

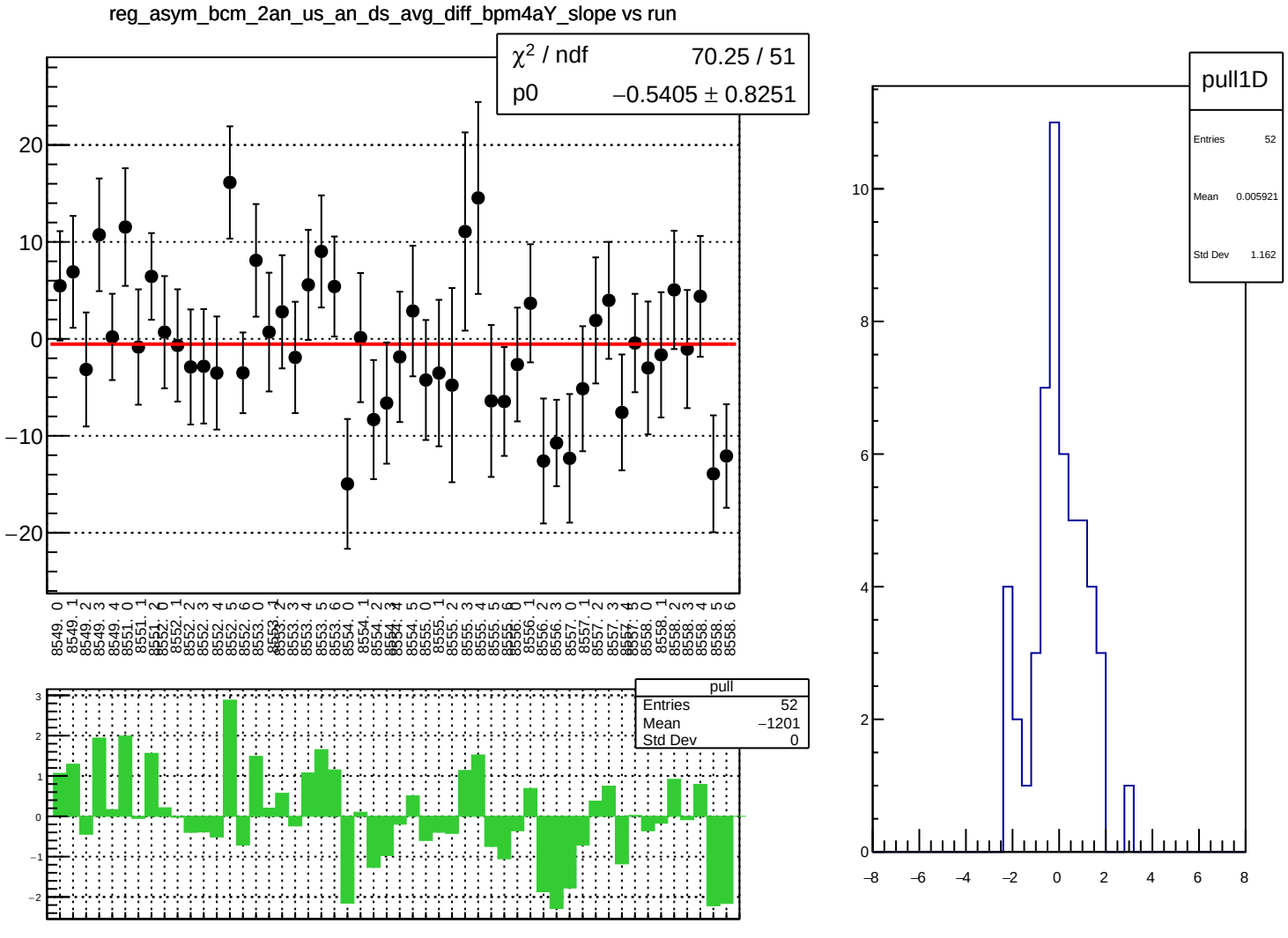

pull1D
Entries 52
Mean 0.1983
Std Dev 2.146

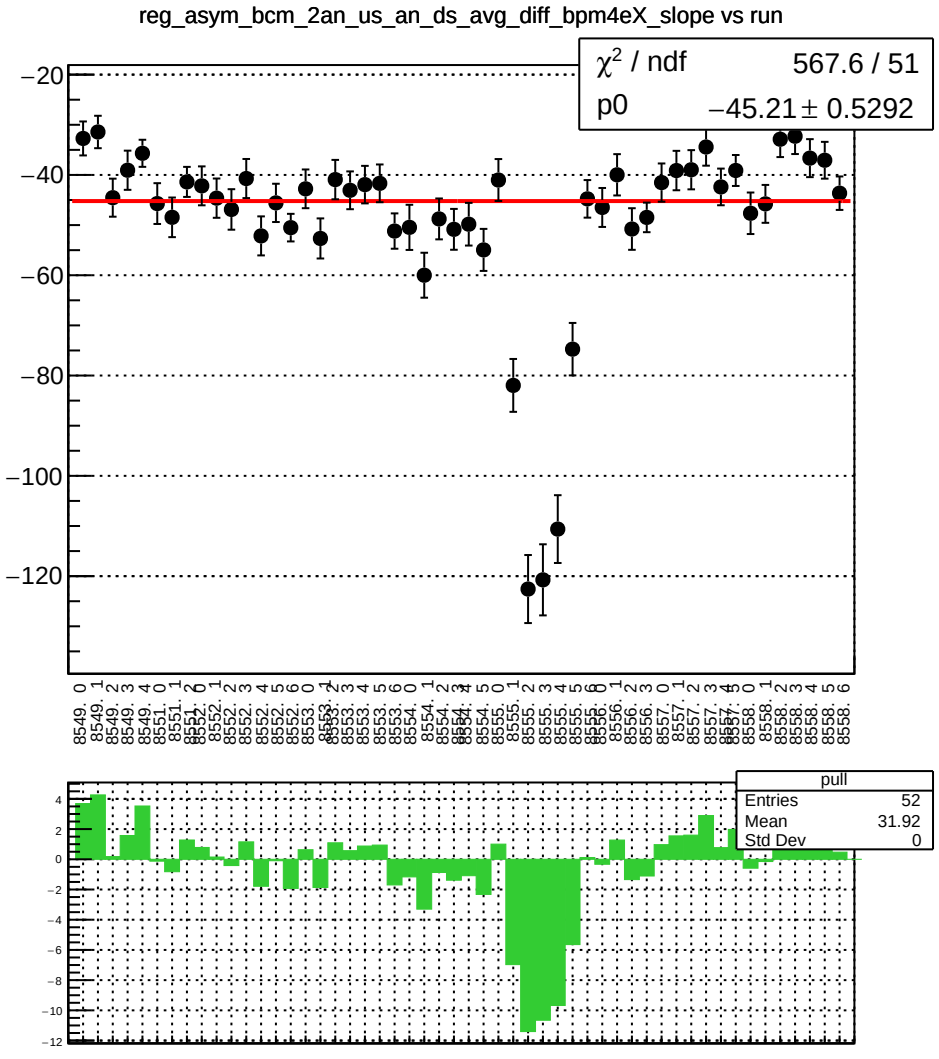

reg_asym_bcm_dg_us_diff_bpm4eY_slope vs run
χ² / ndf 71.12 / 51
p0 −4.209 ± 0.881
pull
Entries 52
Mean −136.1
Std Dev 0

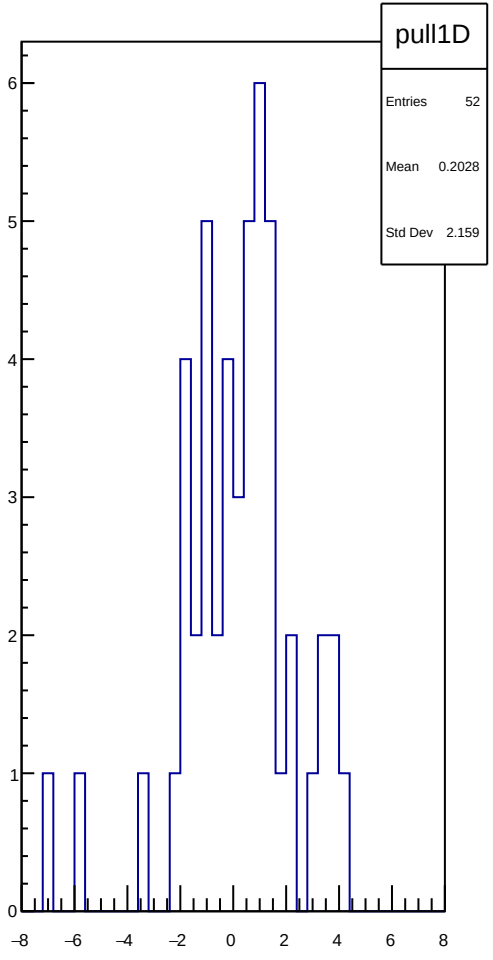

pull1D
Entries 52
Mean −0.03676
Std Dev 1.169

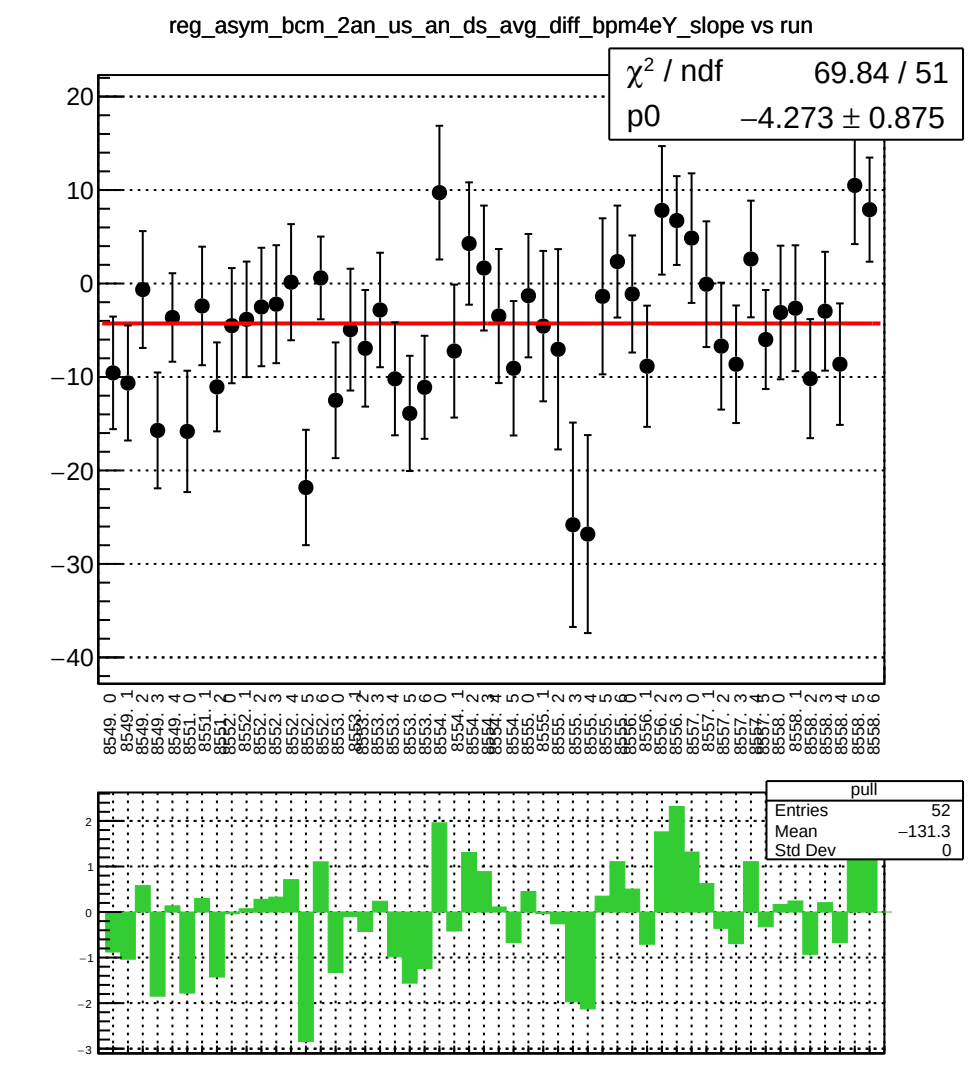

reg_asym_bcm_dg_us_diff_bpm12X_slope vs run
χ² / ndf 2082 / 51
p0 −8.905 ± 0.05759
pull
Entries 52
Mean 74.19
Std Dev 0
pull1D
Entries 52
Mean 0.7825
Std Dev 3.391

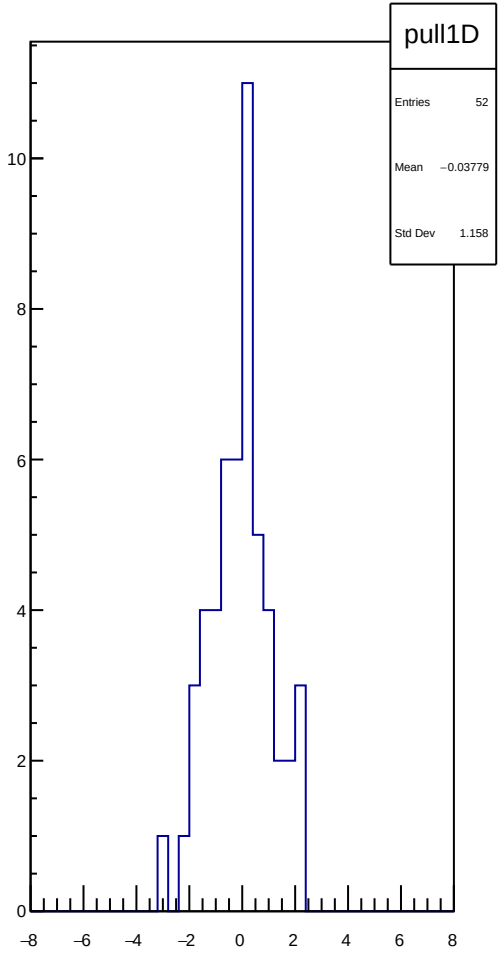

reg_asym_bcm_2an_us_an_ds_avg_diff_bpm1X_slope vs run
χ² / ndf 437.1 / 51
p0 28.54 ± 0.4856
pull
Entries 52
Mean −4.283
Std Dev 0
pull1D
Entries 52
Mean 0.2114
Std Dev 2.671

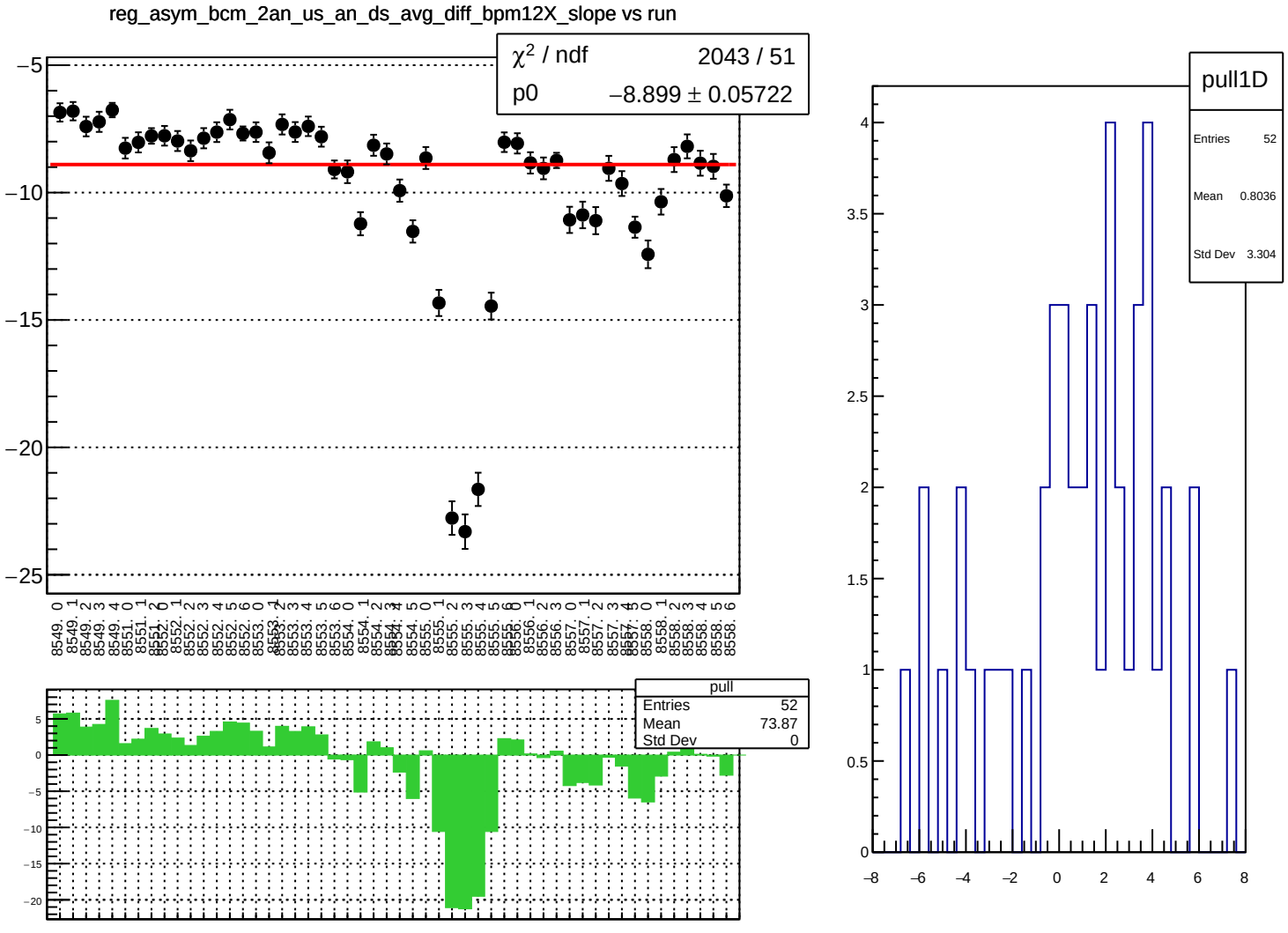

reg_asym_bcm_2an_us_an_ds_avg_diff_bpm4aY_slope vs run
χ² / ndf 70.25 / 51
p0 −0.5405 ± 0.8251
pull
Entries 52
Mean −1201
Std Dev 0
pull1D
Entries 52
Mean 0.005921
Std Dev 1.162

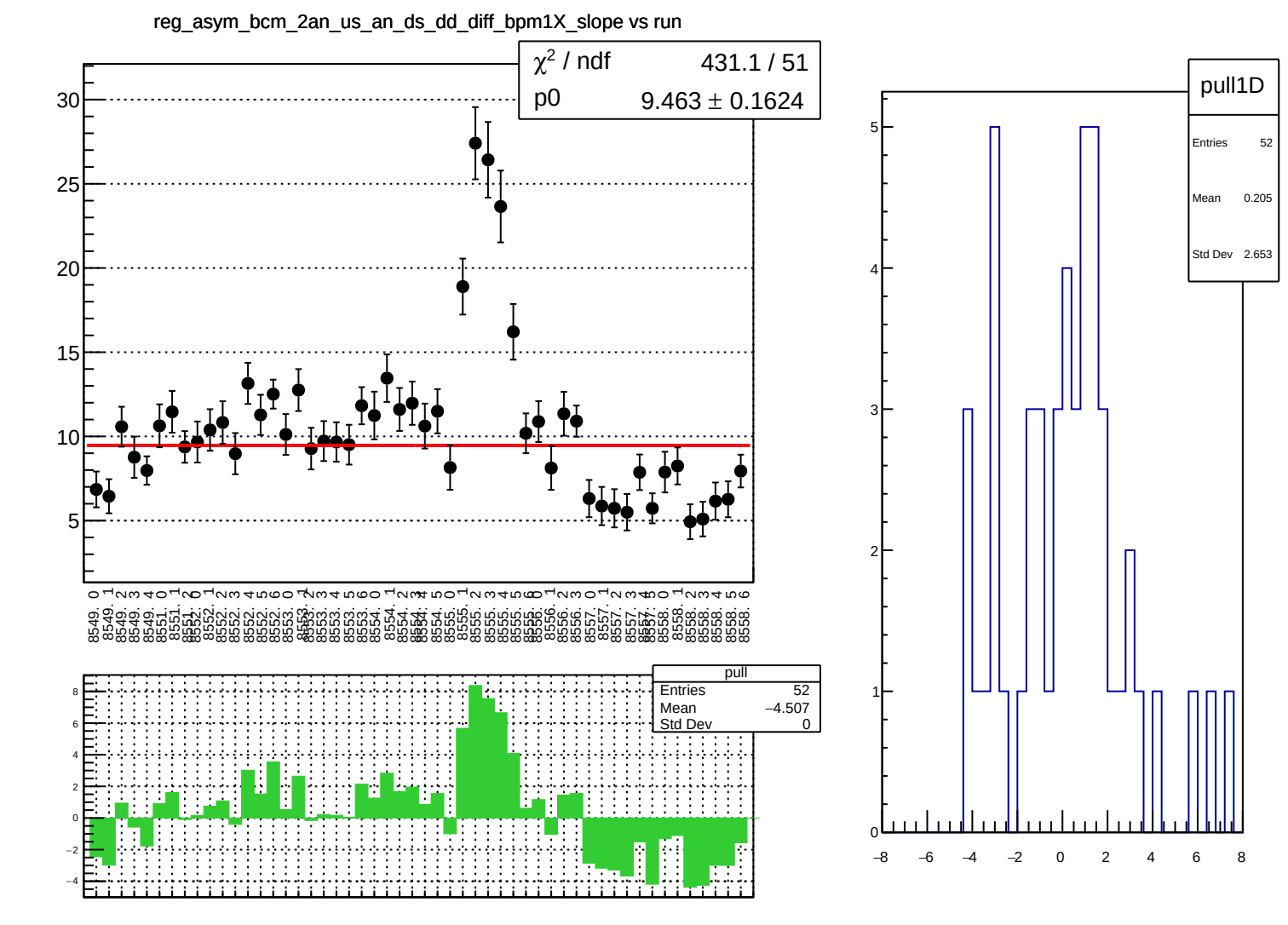

reg_asym_bcm_2an_us_an_ds_avg_diff_bpm4eX_slope vs run
χ² / ndf 567.6 / 51
p0 −45.21 ± 0.5292
pull
Entries 52
Mean 31.92
Std Dev 0

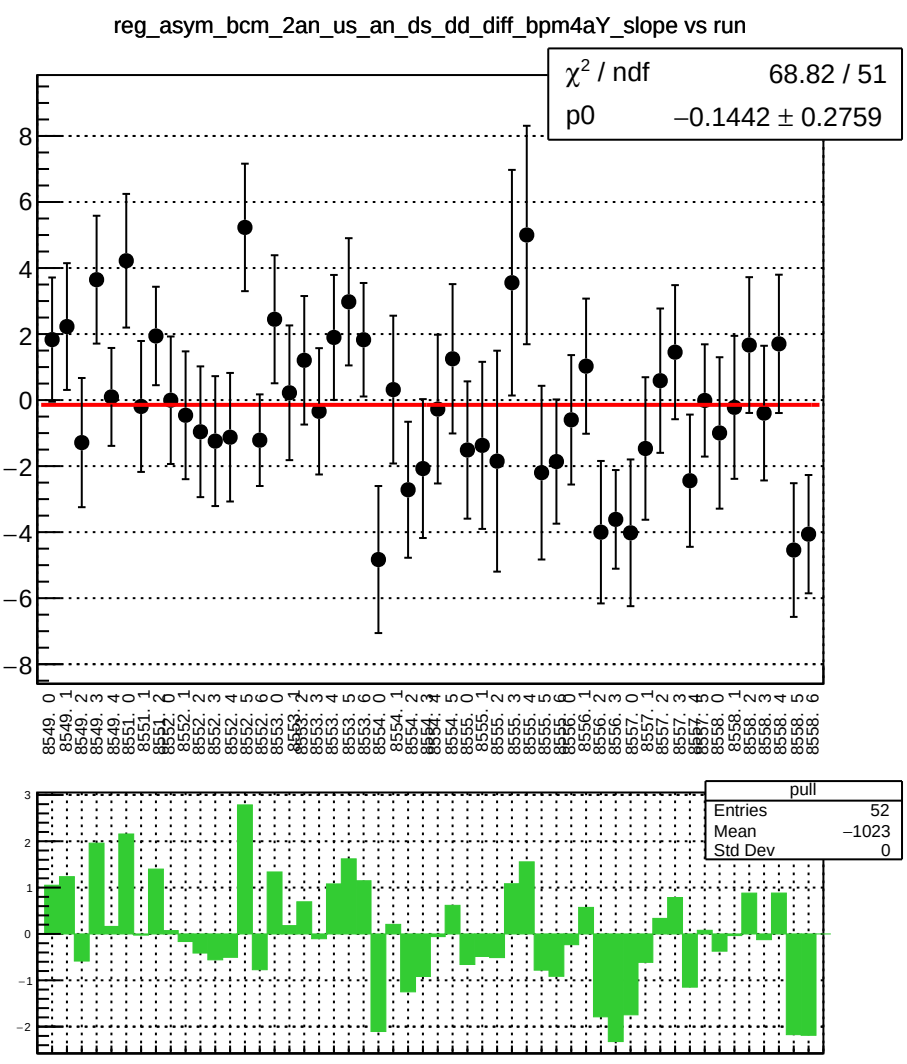

pull1D
Entries 52
Mean 0.2028
Std Dev 2.159

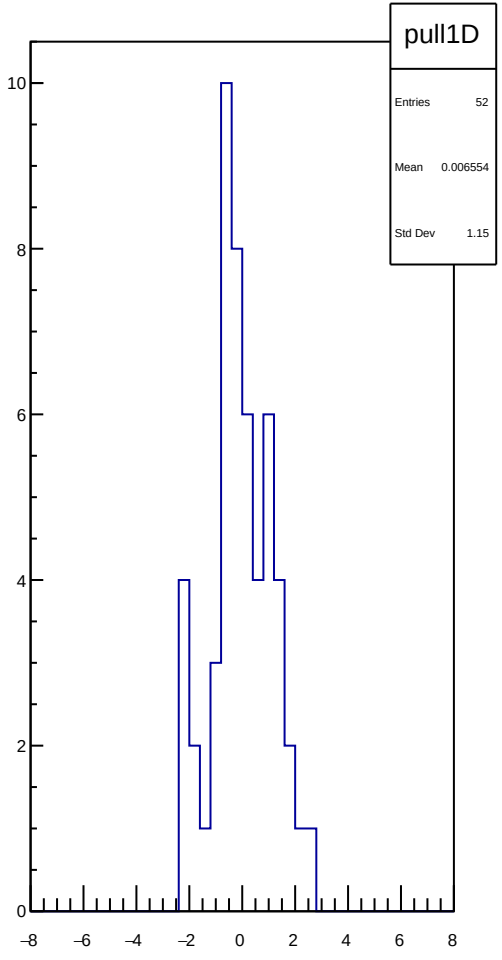

reg_asym_bcm_2an_us_an_ds_avg_diff_bpm4eY_slope vs run
χ² / ndf 69.84 / 51
p0 −4.273 ± 0.875
pull
Entries 52
Mean −131.3
Std Dev 0

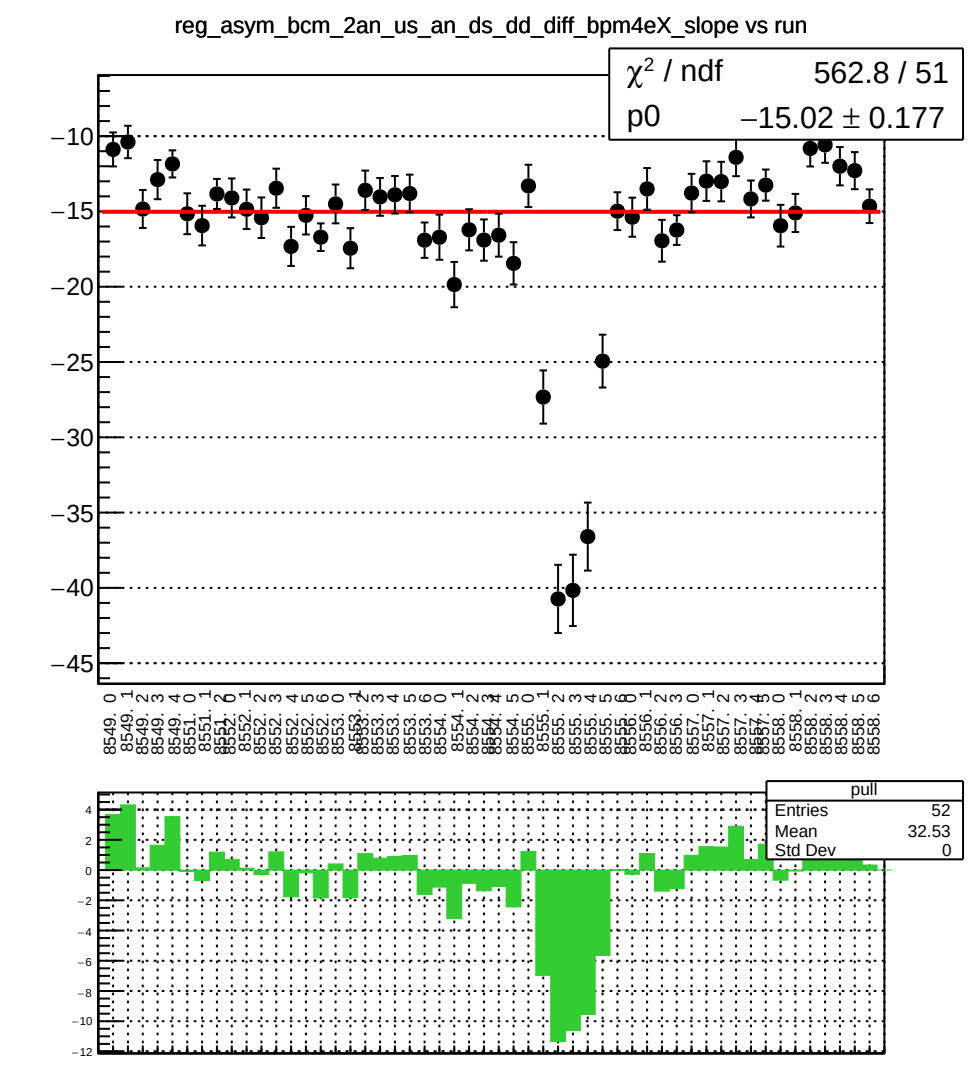

pull1D
Entries 52
Mean −0.03779
Std Dev 1.158

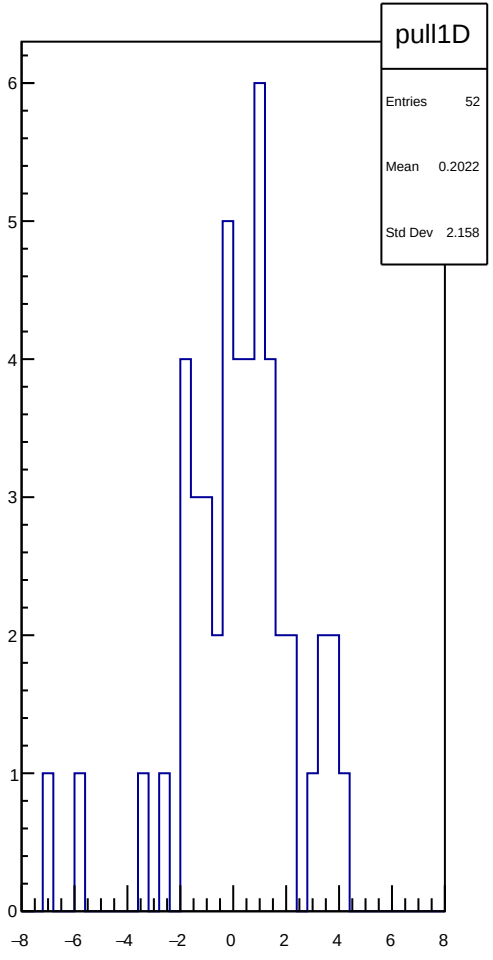

reg_asym_bcm_2an_us_an_ds_avg_diff_bpm12X_slope vs run
χ² / ndf 2043 / 51
p0 −8.899 ± 0.05722
pull
Entries 52
Mean 73.87
Std Dev 0
pull1D
Entries 52
Mean 0.8036
Std Dev 3.304

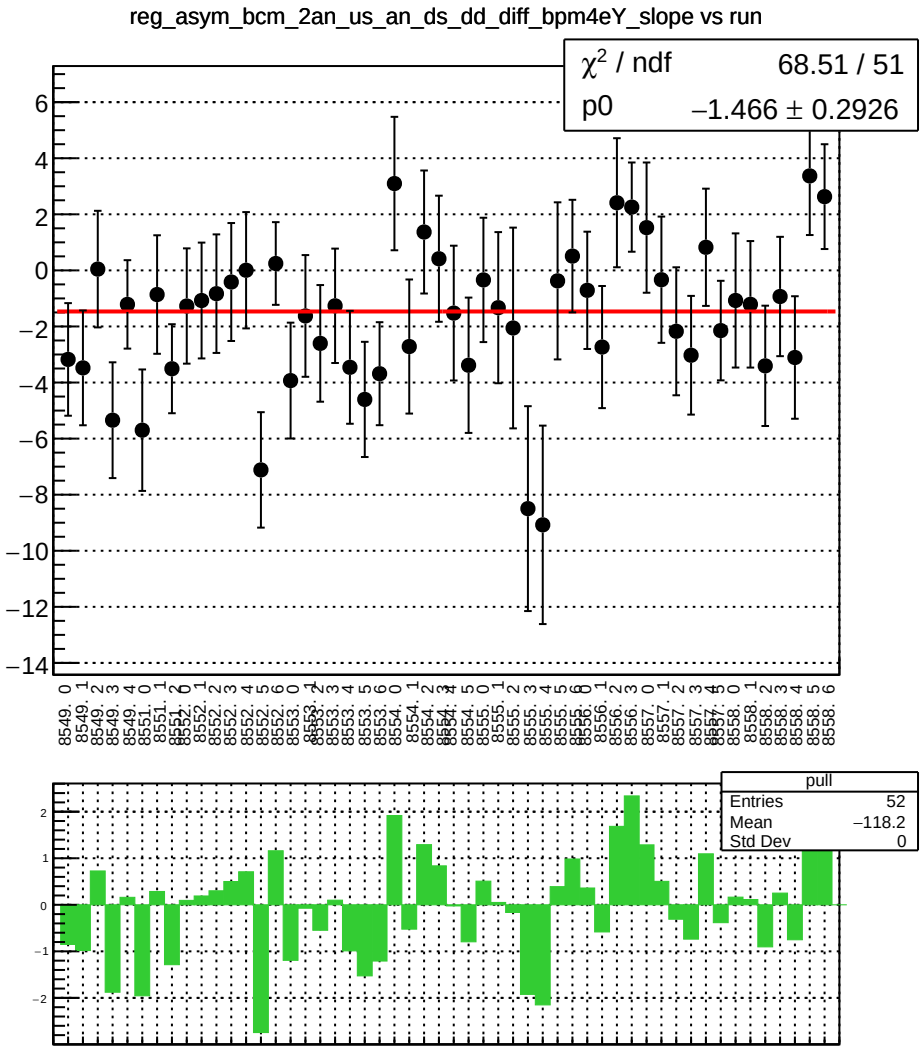

reg_asym_bcm_2an_us_an_ds_dd_diff_bpm1X_slope vs run
χ² / ndf 431.1 / 51
p0 9.463 ± 0.1624
pull
Entries 52
Mean −4.507
Std Dev 0
pull1D
Entries 52
Mean 0.205
Std Dev 2.653

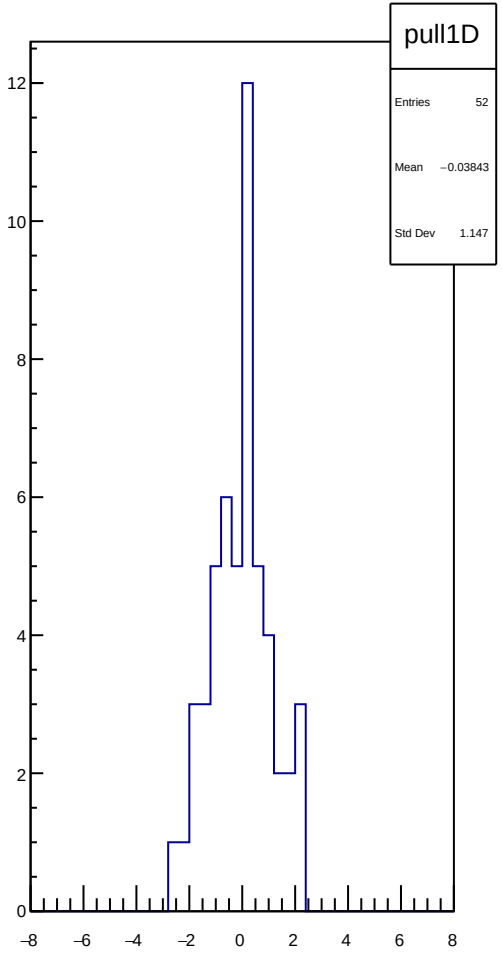

reg_asym_bcm_2an_us_an_ds_dd_diff_bpm4aY_slope vs run
χ² / ndf 68.82 / 51
p0 −0.1442 ± 0.2759
pull
Entries 52
Mean −1023
Std Dev 0

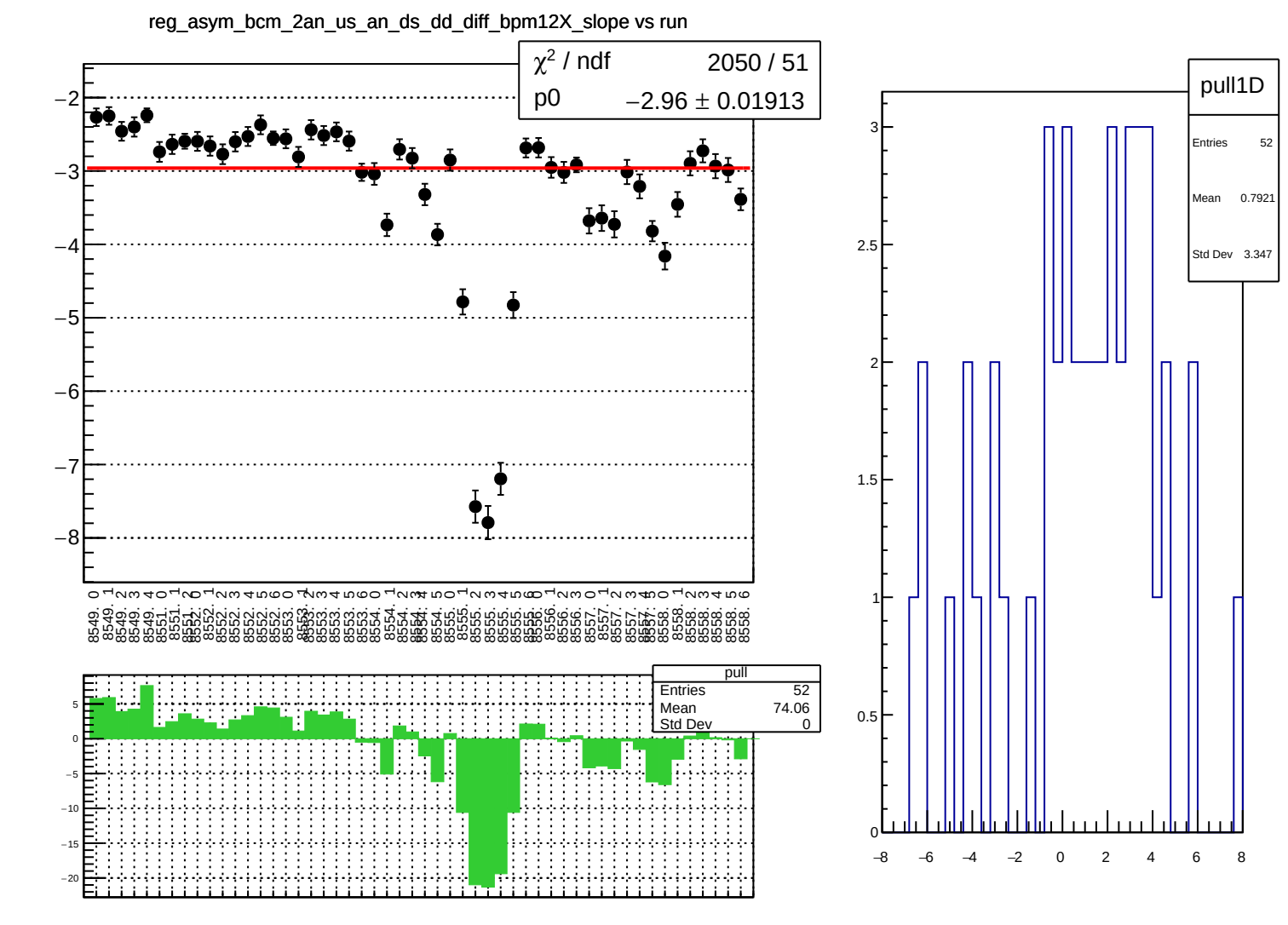

pull1D
Entries 52
Mean 0.006554
Std Dev 1.15

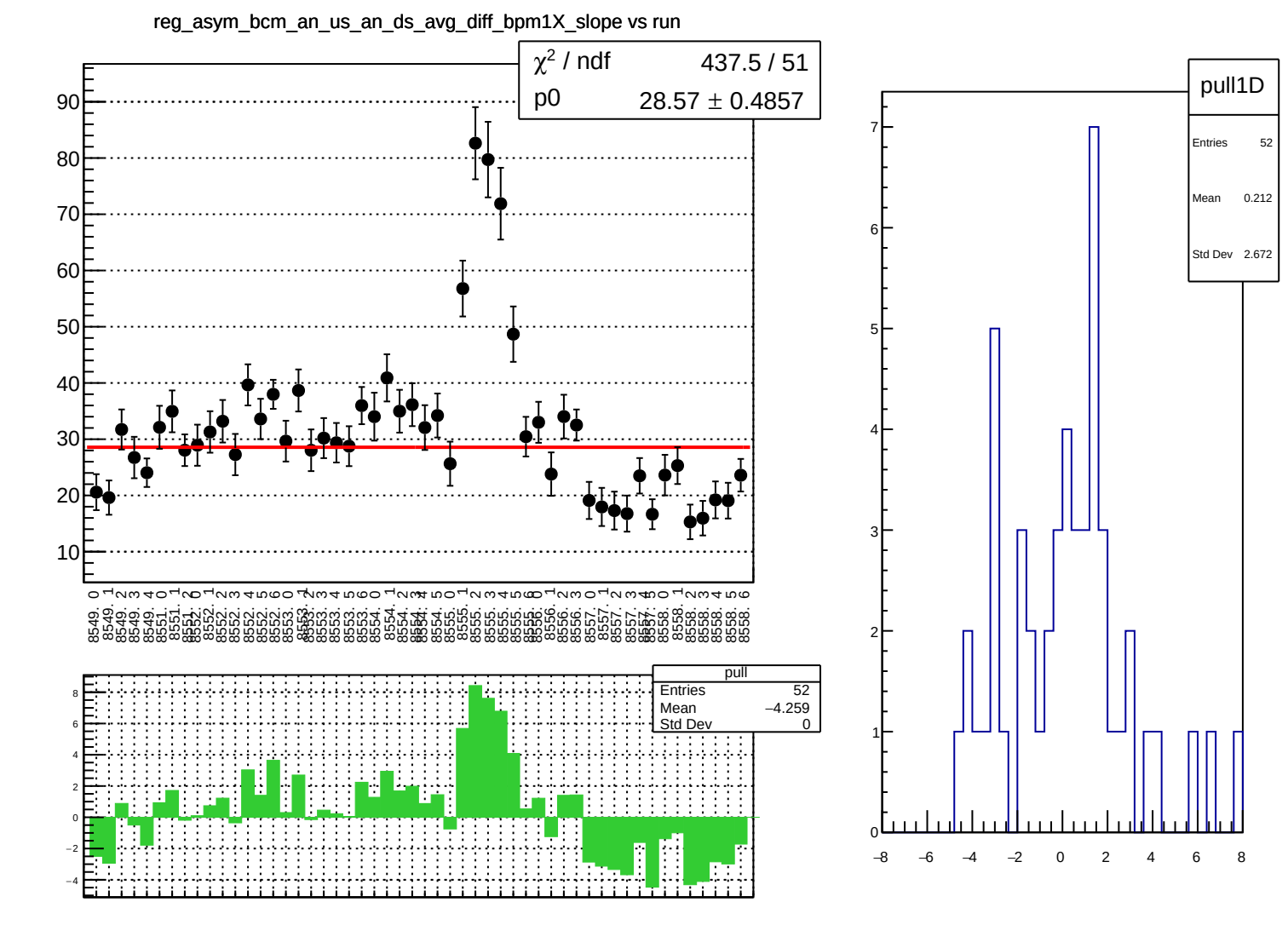

reg_asym_bcm_2an_us_an_ds_dd_diff_bpm4eX_slope vs run
χ² / ndf 562.8 / 51
p0 −15.02 ± 0.177
pull
Entries 52
Mean 32.53
Std Dev 0

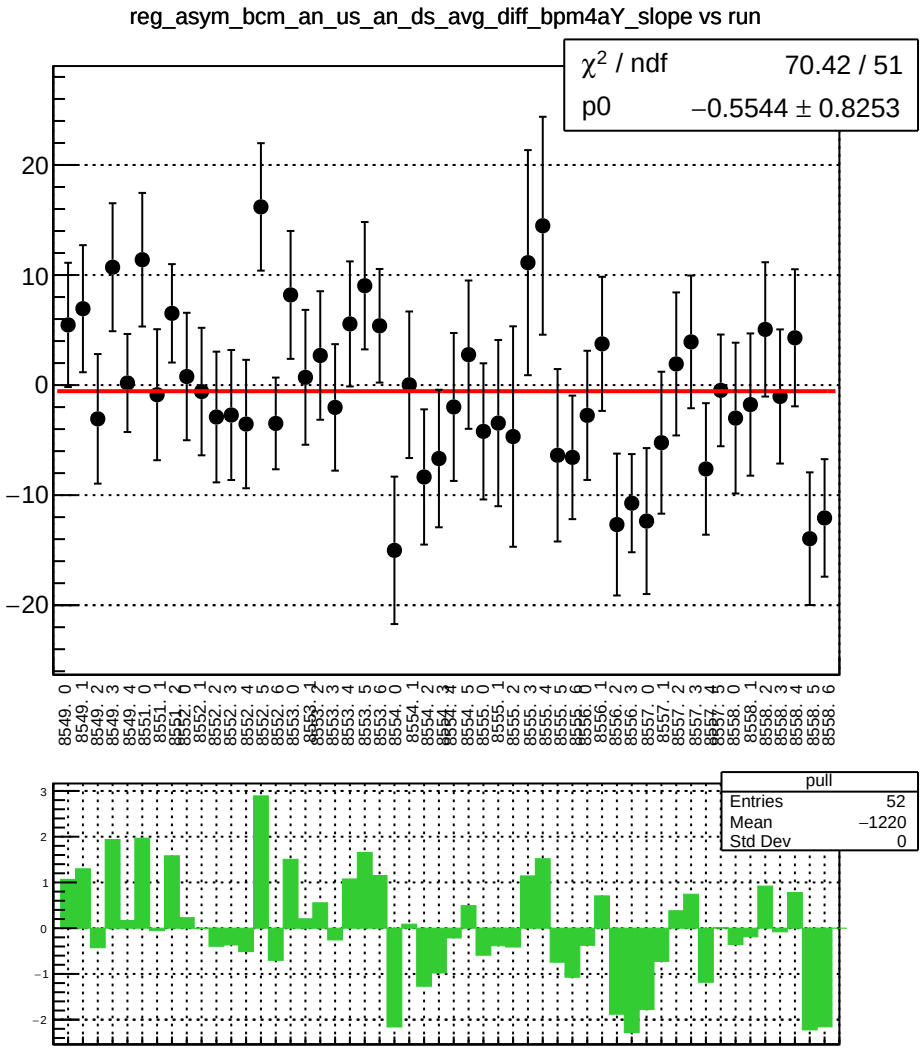

pull1D
Entries 52
Mean 0.2022
Std Dev 2.158

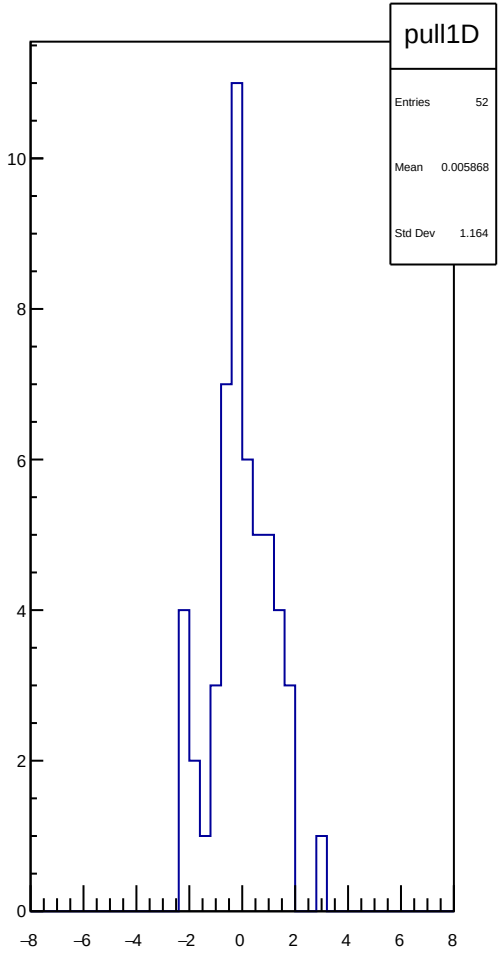

reg_asym_bcm_2an_us_an_ds_dd_diff_bpm4eY_slope vs run
χ² / ndf 68.51 / 51
p0 −1.466 ± 0.2926
pull
Entries 52
Mean −118.2
Std Dev 0

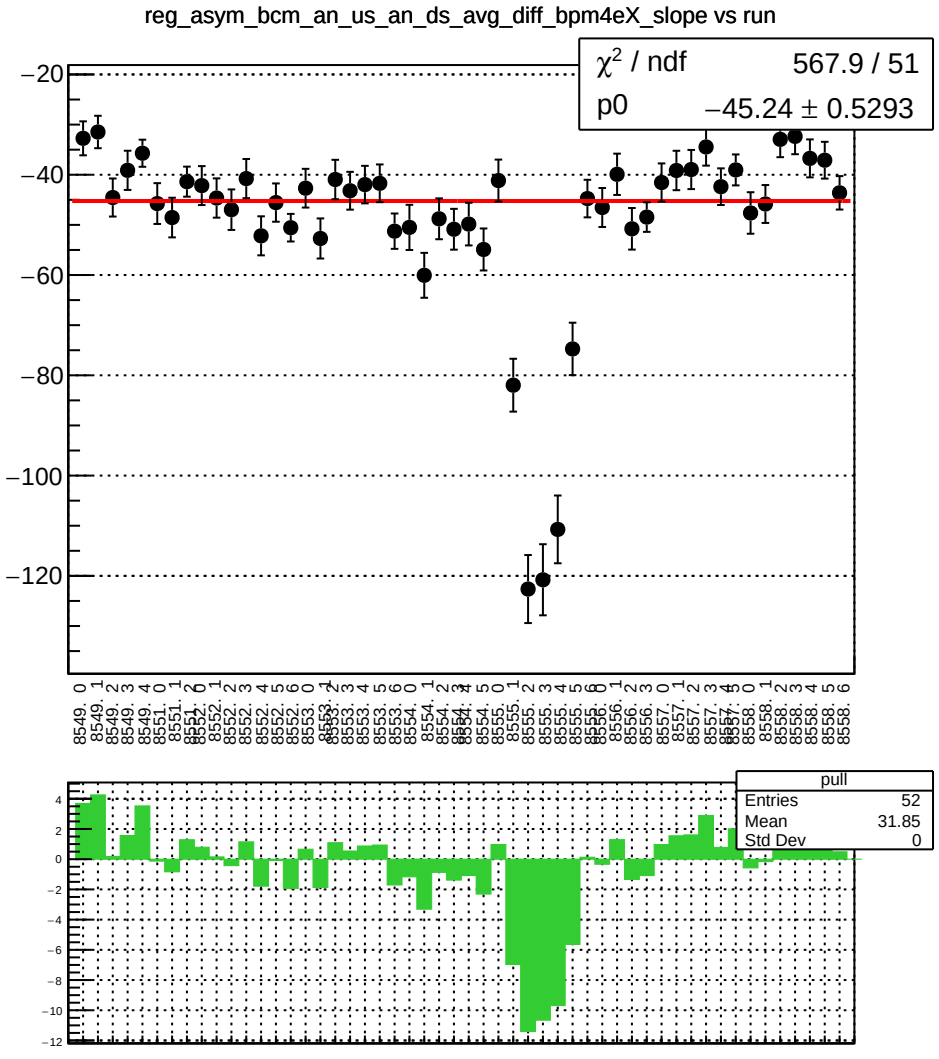

pull1D
Entries 52
Mean −0.03843
Std Dev 1.147

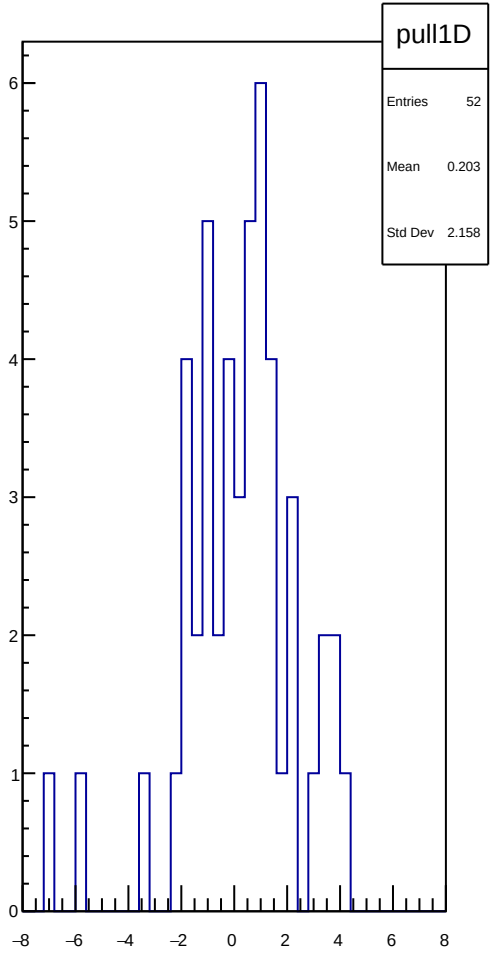

reg_asym_bcm_2an_us_an_ds_dd_diff_bpm12X_slope vs run
χ² / ndf 2050 / 51
p0 −2.96 ± 0.01913
pull
Entries 52
Mean 74.06
Std Dev 0
pull1D
Entries 52
Mean 0.7921
Std Dev 3.347

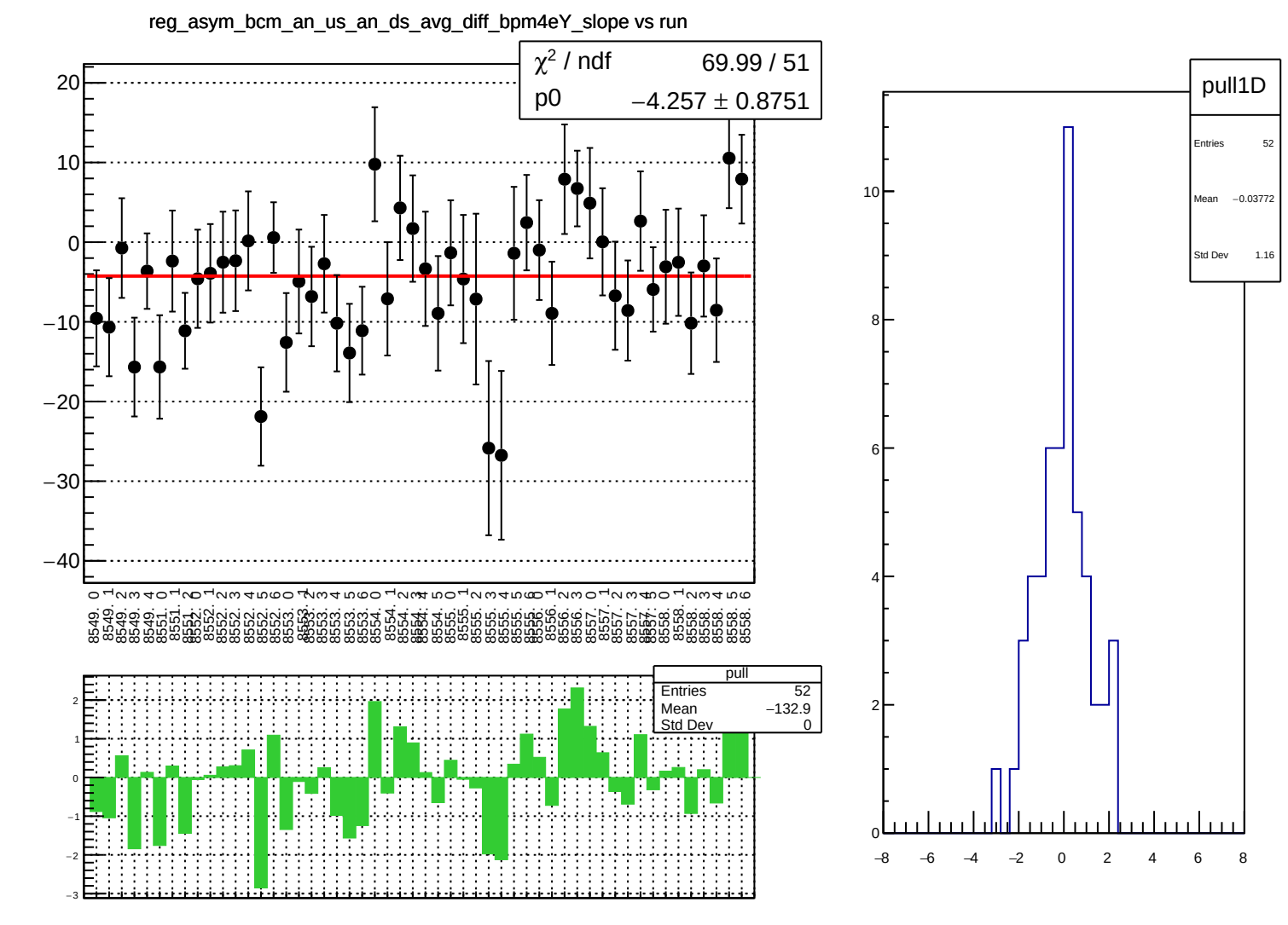

reg_asym_bcm_an_us_an_ds_avg_diff_bpm1X_slope vs run
χ² / ndf 437.5 / 51
p0 28.57 ± 0.4857
pull
Entries 52
Mean −4.259
Std Dev 0
pull1D
Entries 52
Mean 0.212
Std Dev 2.672

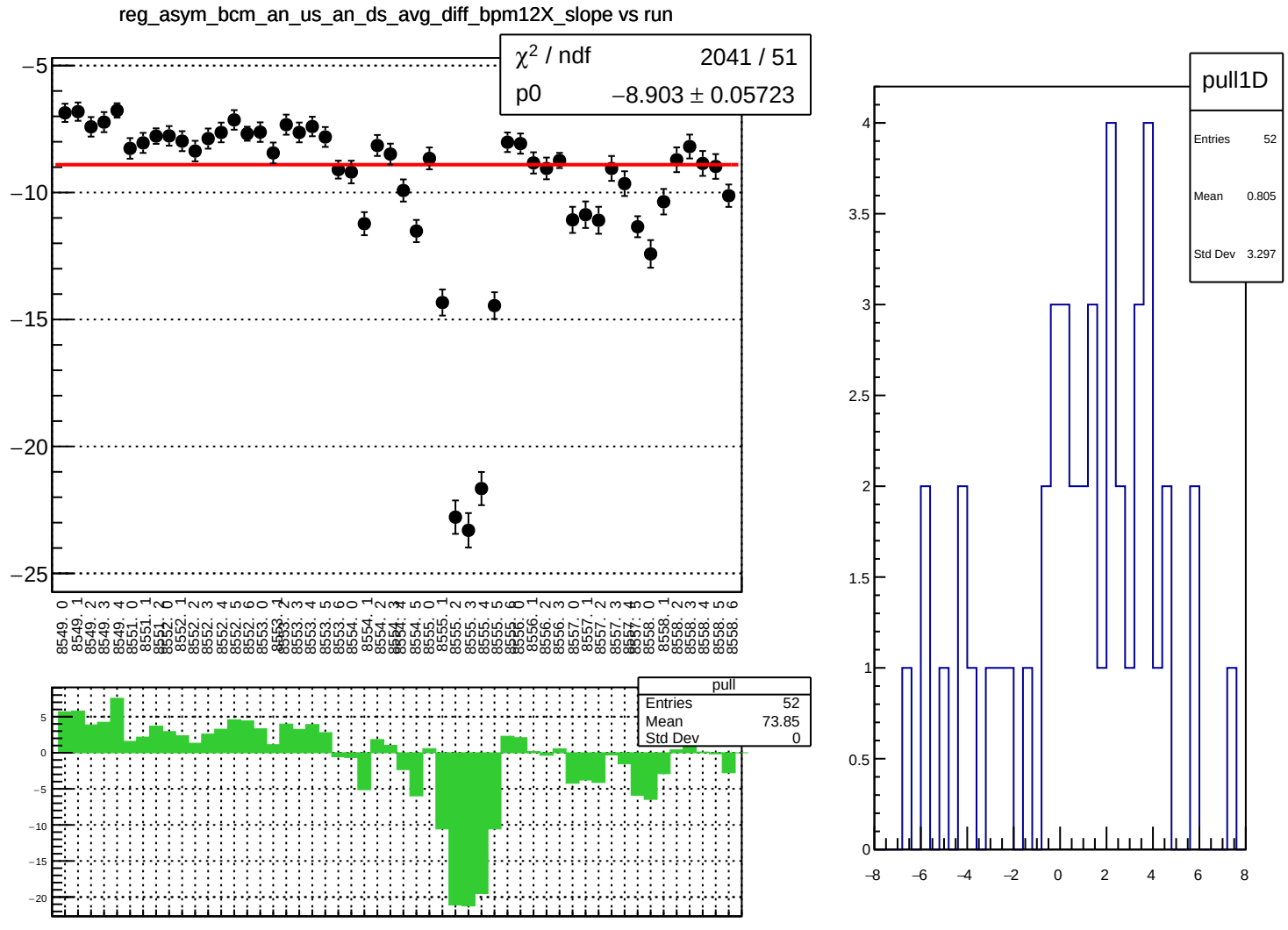

reg_asym_bcm_an_us_an_ds_avg_diff_bpm4aY_slope vs run
χ² / ndf 70.42 / 51
p0 −0.5544 ± 0.8253
pull
Entries 52
Mean −1220
Std Dev 0

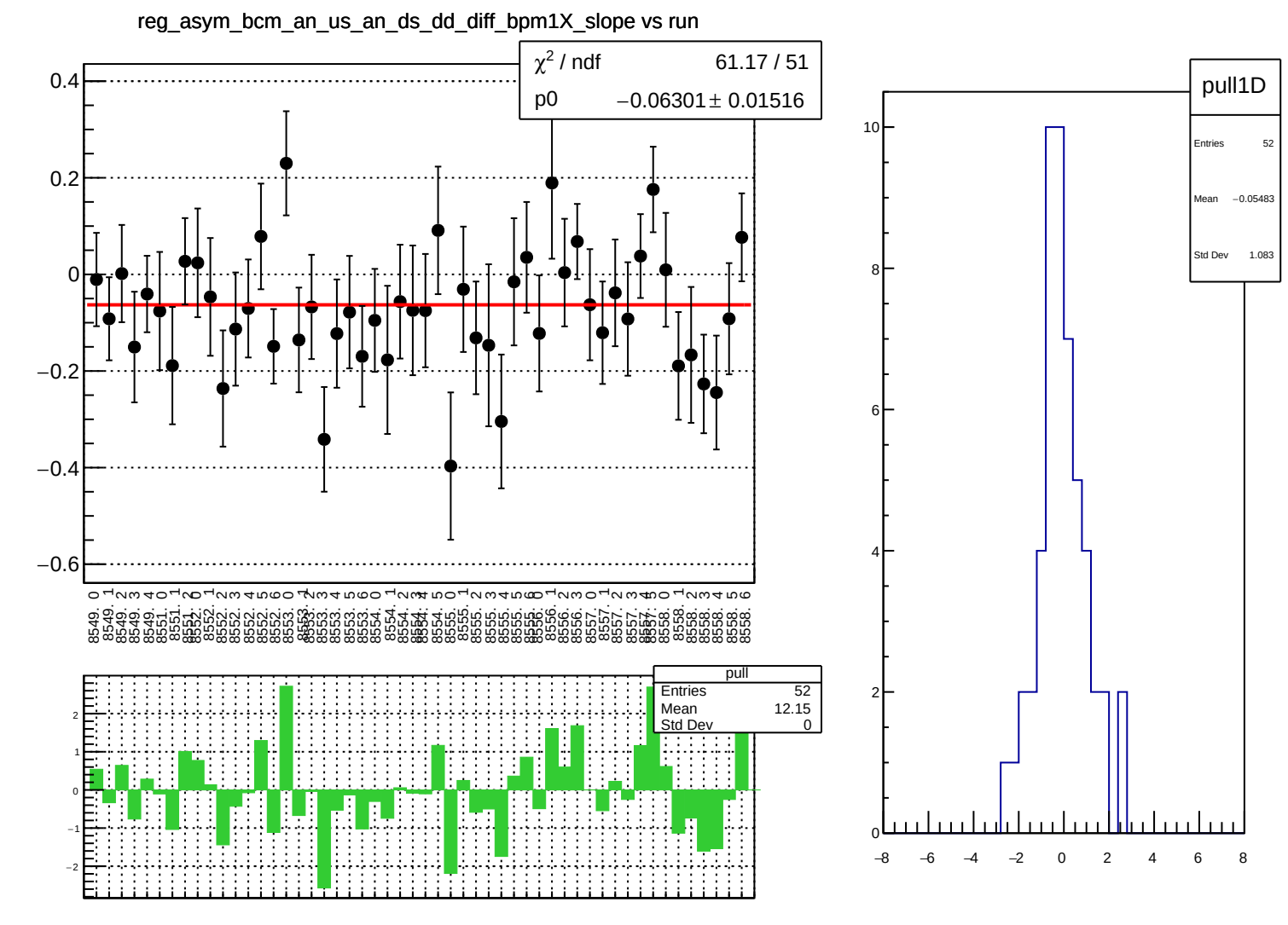

pull1D
Entries 52
Mean 0.005868
Std Dev 1.164

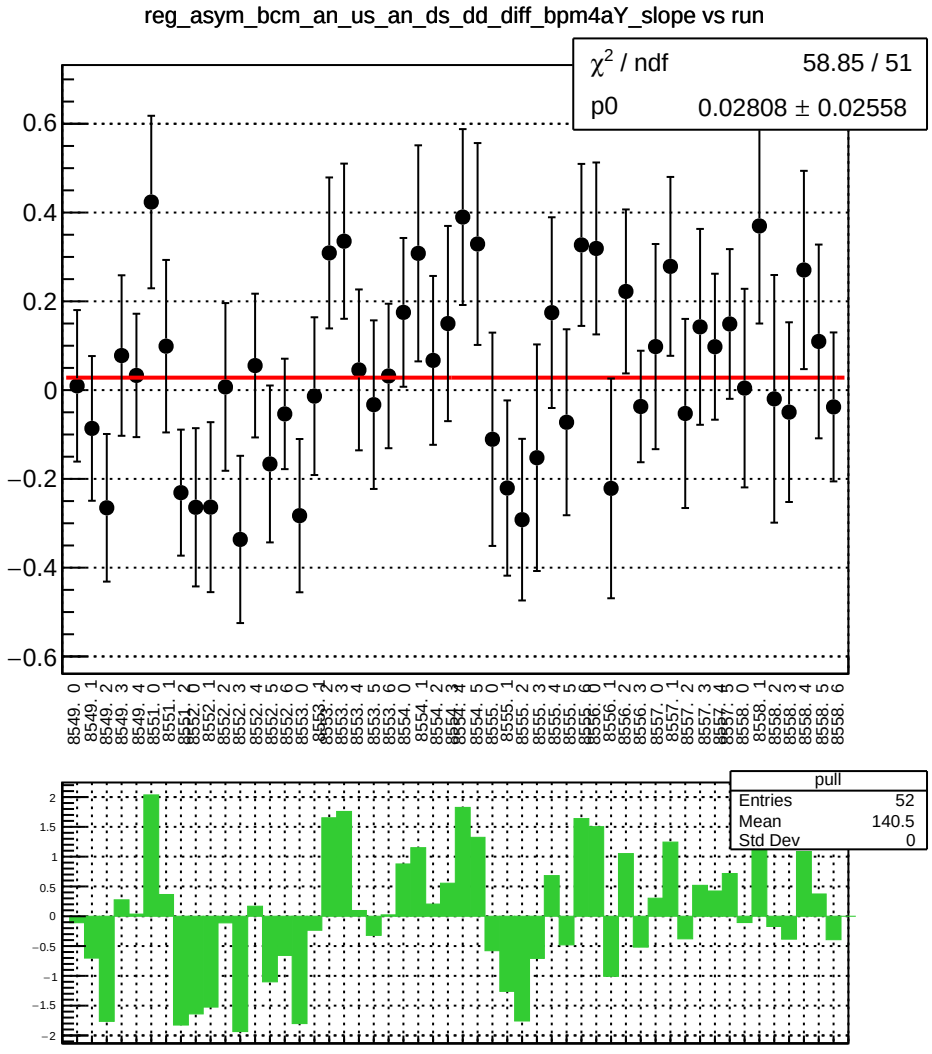

reg_asym_bcm_an_us_an_ds_avg_diff_bpm4eX_slope vs run
χ² / ndf 567.9 / 51
p0 −45.24 ± 0.5293
pull
Entries 52
Mean 31.85
Std Dev 0

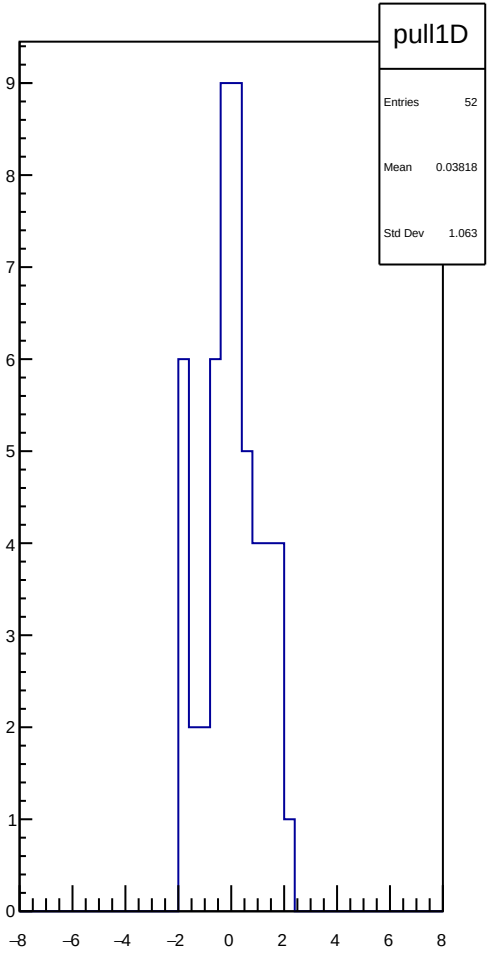

pull1D
Entries 52
Mean 0.203
Std Dev 2.158

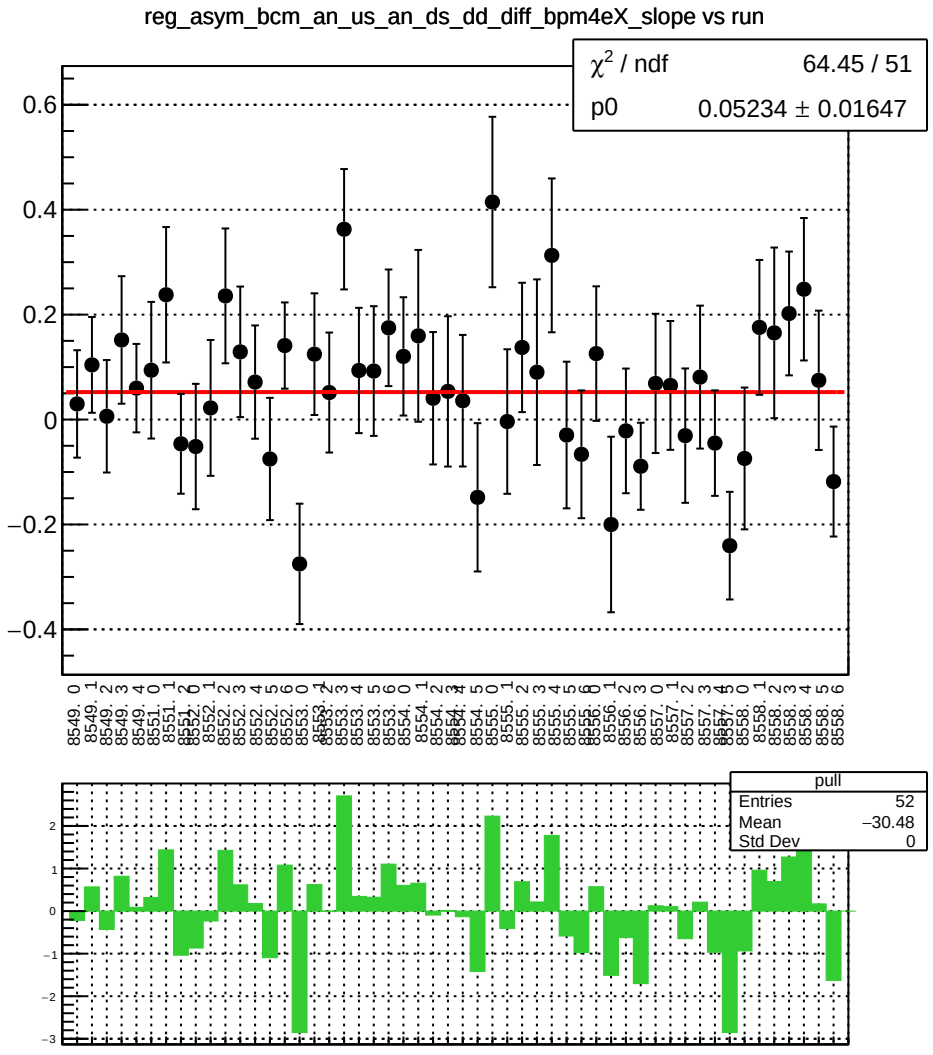

reg_asym_bcm_an_us_an_ds_avg_diff_bpm4eY_slope vs run
χ² / ndf 69.99 / 51
p0 −4.257 ± 0.8751
pull
Entries 52
Mean −132.9
Std Dev 0
pull1D
Entries 52
Mean −0.03772
Std Dev 1.16

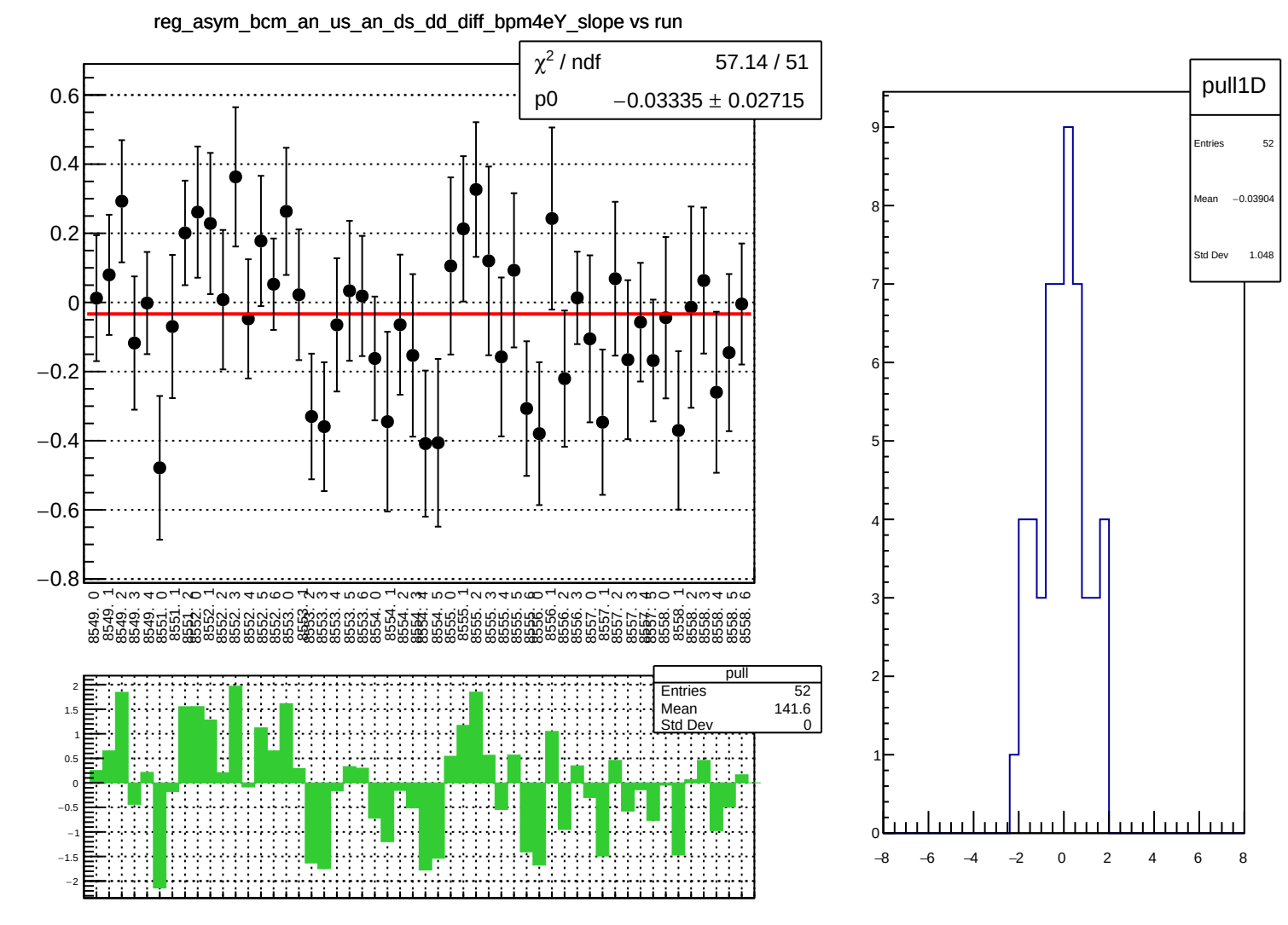

reg_asym_bcm_an_us_an_ds_avg_diff_bpm12X_slope vs run
χ² / ndf 2041 / 51
p0 −8.903 ± 0.05723
pull
Entries 52
Mean 73.85
Std Dev 0
pull1D
Entries 52
Mean 0.805
Std Dev 3.297

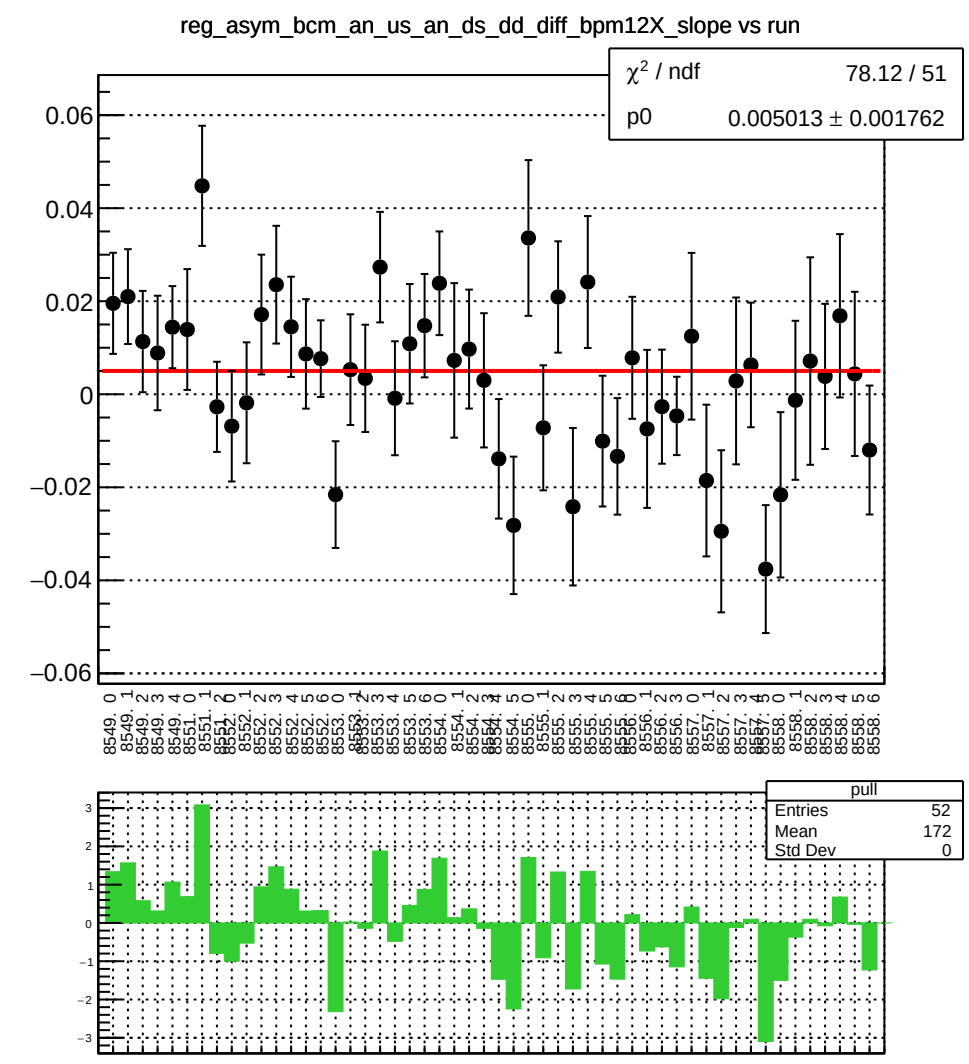

reg_asym_bcm_an_us_an_ds_dd_diff_bpm1X_slope vs run
χ² / ndf 61.17 / 51
p0 −0.06301 ± 0.01516
pull
Entries 52
Mean 12.15
Std Dev 0
pull1D
Entries 52
Mean −0.05483
Std Dev 1.083

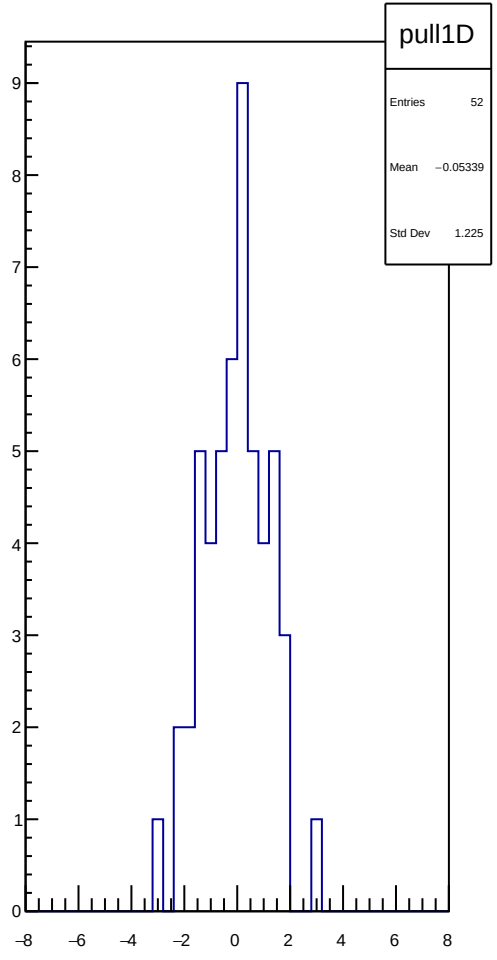

reg_asym_bcm_an_us_an_ds_dd_diff_bpm4aY_slope vs run
χ² / ndf 58.85 / 51
p0 0.02808 ± 0.02558
pull
Entries 52
Mean 140.5
Std Dev 0

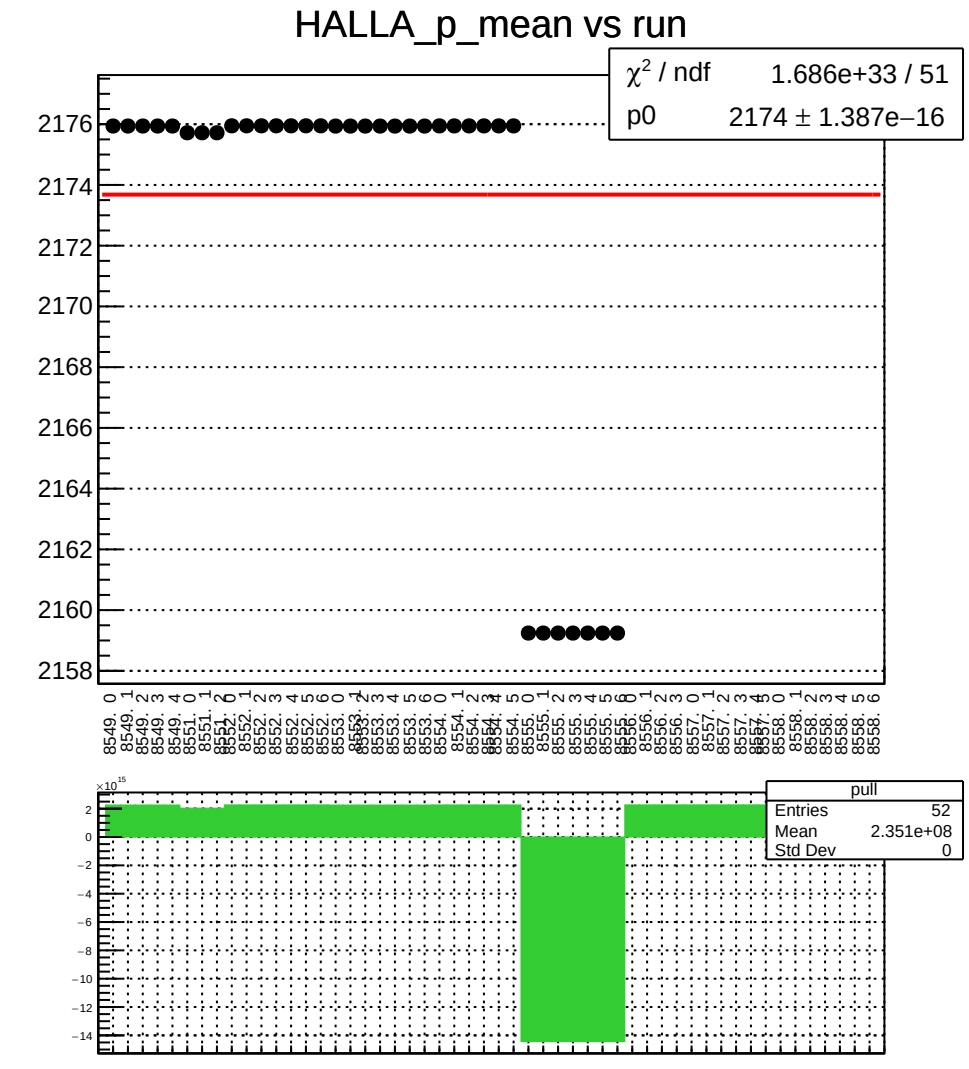

pull1D
Entries 52
Mean 0.03818
Std Dev 1.063

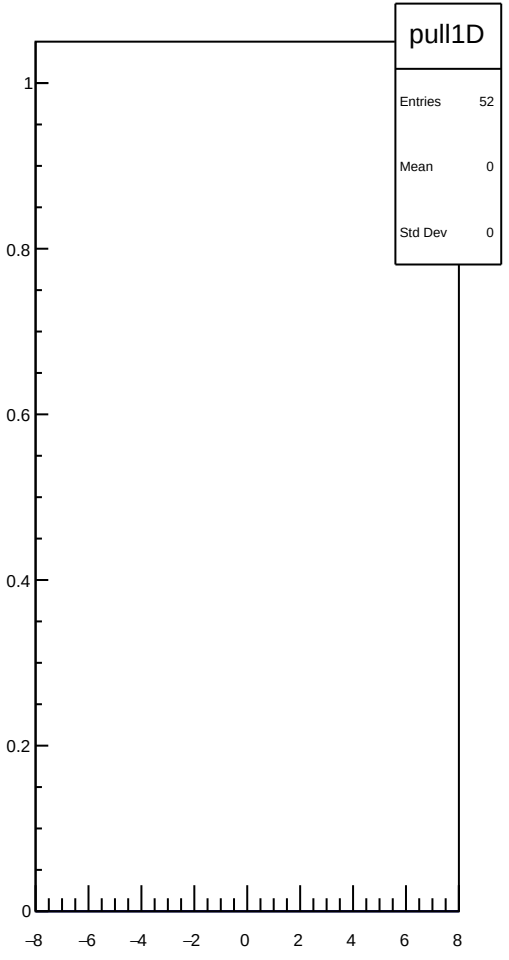

reg_asym_bcm_an_us_an_ds_dd_diff_bpm4eX_slope vs run
χ² / ndf 64.45 / 51
p0 0.05234 ± 0.01647
pull
Entries 52
Mean −30.48
Std Dev 0
pull1D
Entries 52
Mean 0.04127
Std Dev 1.113

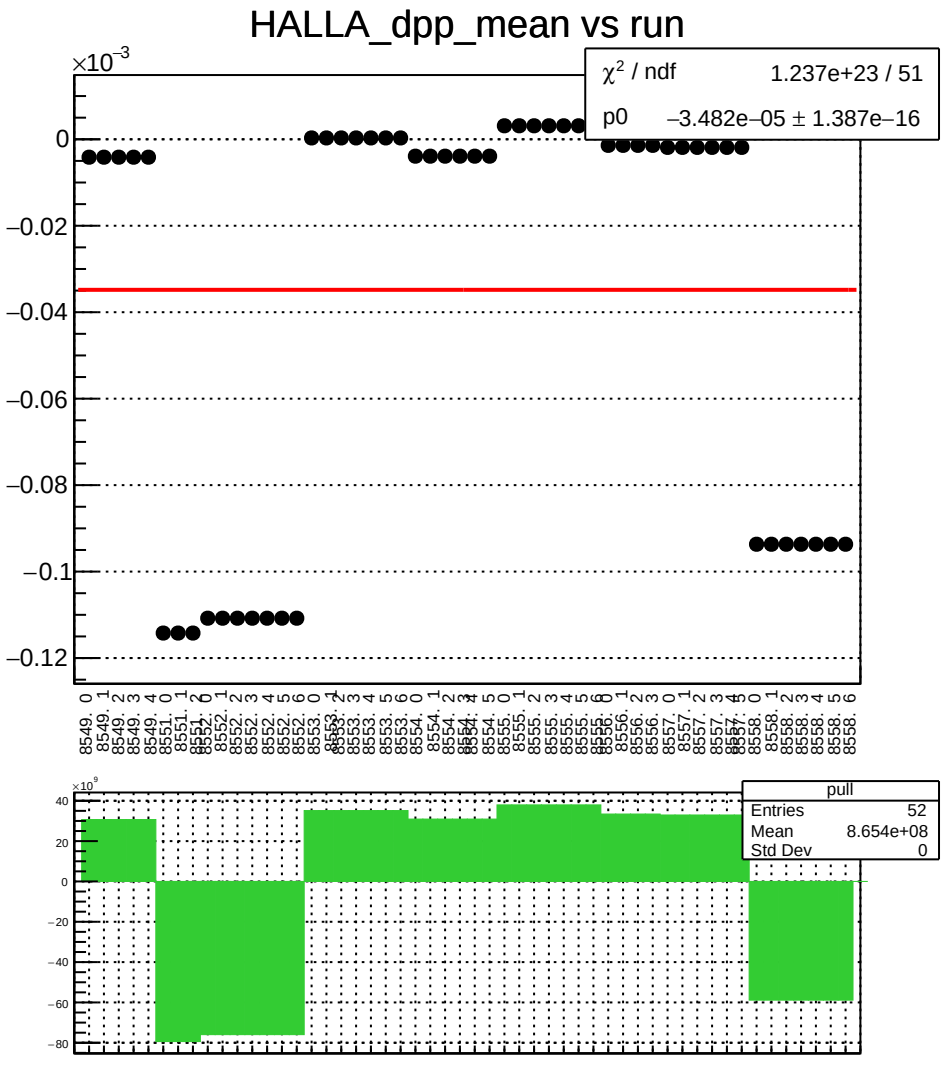

reg_asym_bcm_an_us_an_ds_dd_diff_bpm4eY_slope vs run
χ² / ndf 57.14 / 51
p0 −0.03335 ± 0.02715
pull
Entries 52
Mean 141.6
Std Dev 0
pull1D
Entries 52
Mean −0.03904
Std Dev 1.048

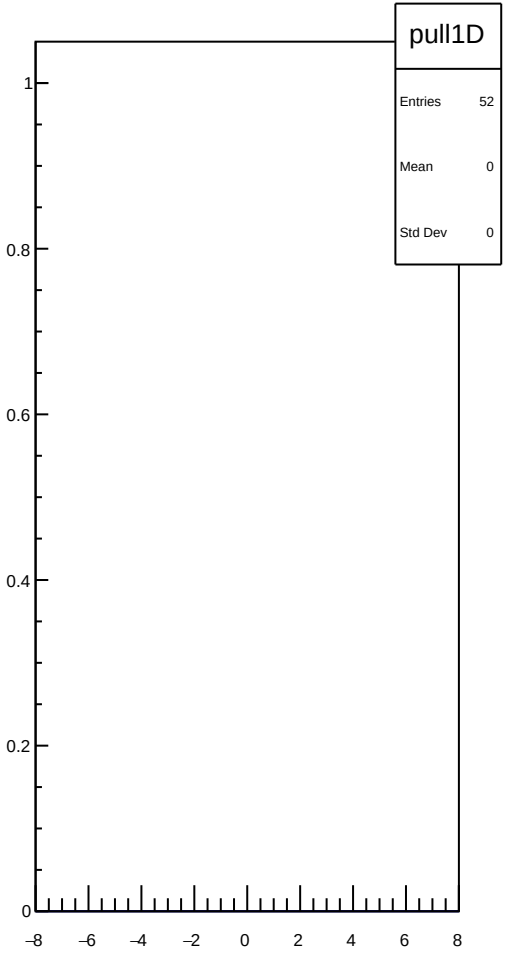

reg_asym_bcm_an_us_an_ds_dd_diff_bpm12X_slope vs run
χ² / ndf 78.12 / 51
p0 0.005013 ± 0.001762
pull
Entries 52
Mean 172
Std Dev 0

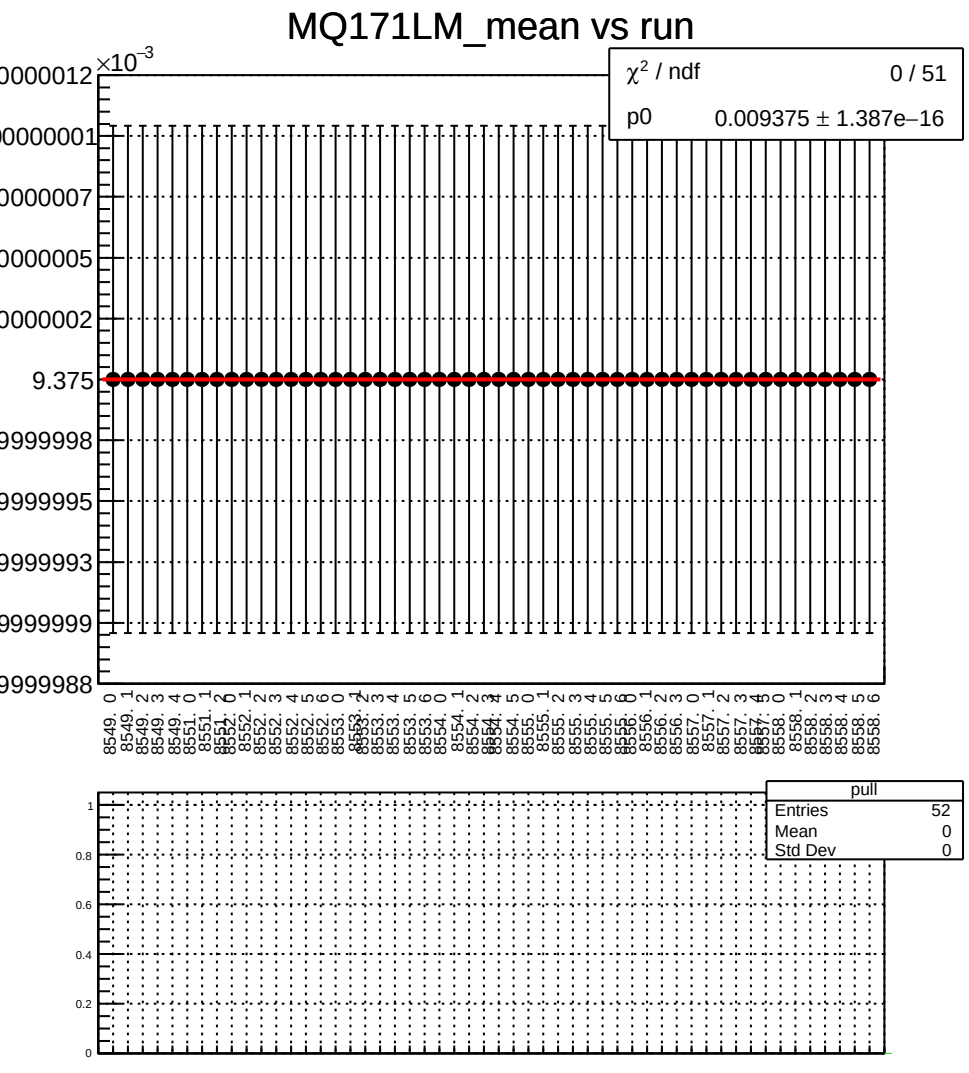

pull1D
Entries 52
Mean −0.05339
Std Dev 1.225

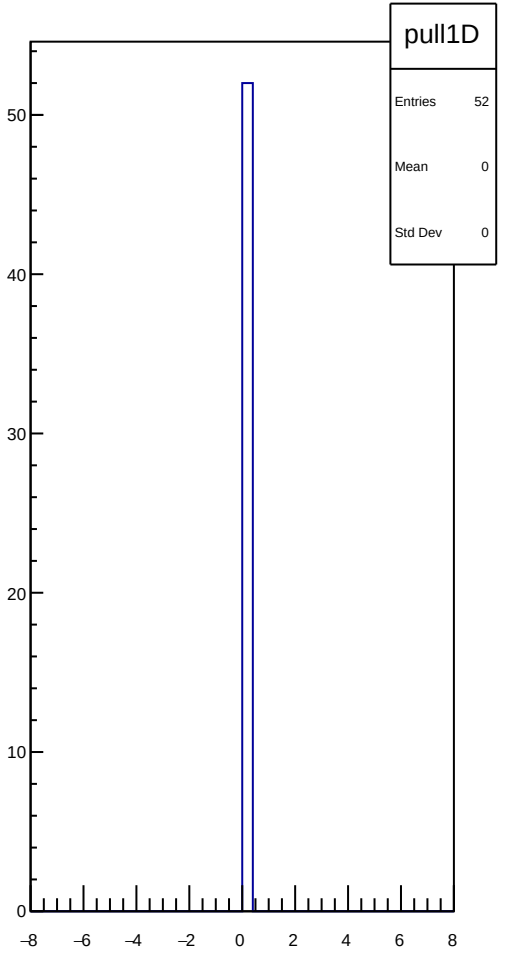

HALLA_p_mean vs run
χ² / ndf 1.686e+33 / 51
p0 2174 ± 1.387e−16
2176
2174
2172
2170
2168
2166
2164
2162
2160
2158
pull
Entries 52
Mean 2.351e+08
Std Dev 0
×10¹⁵
2
0
−2
−4
−6
−8
−10
−12
−14

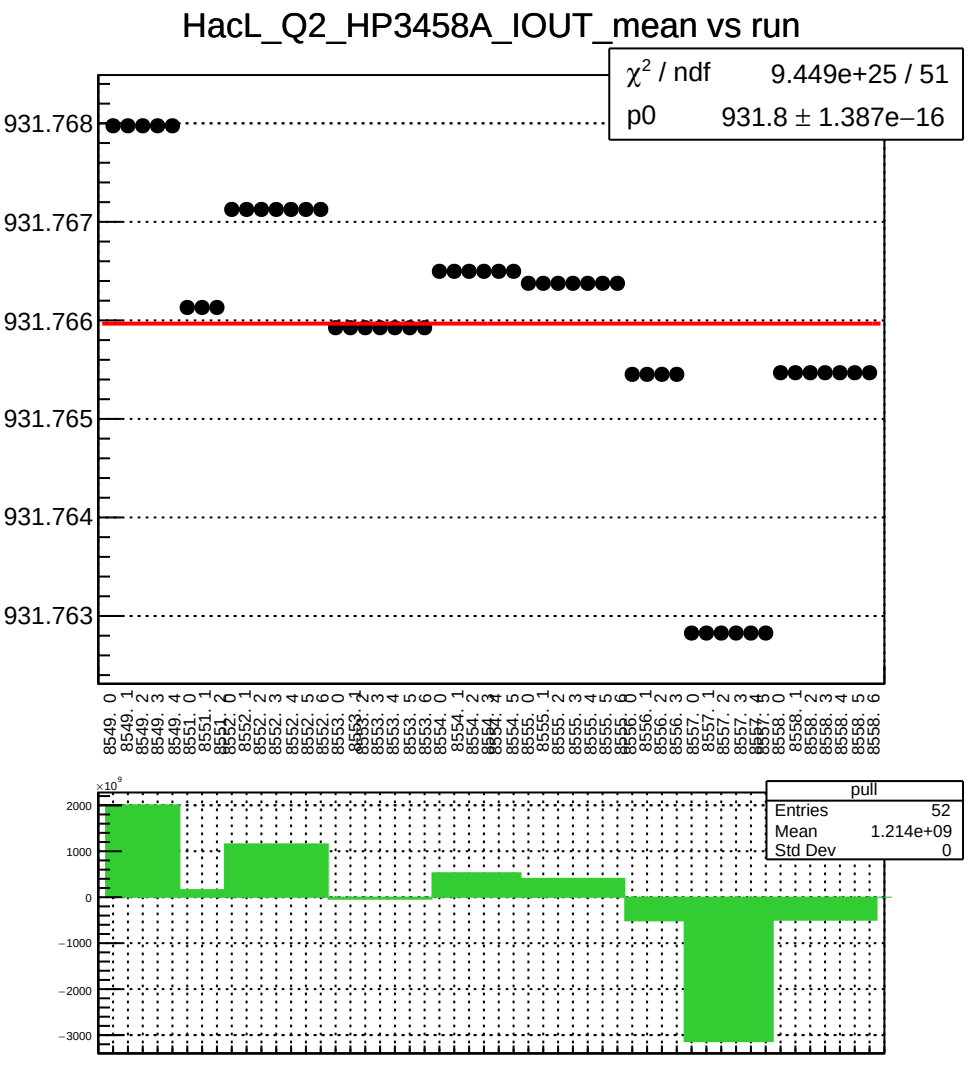

pull1D
Entries 52
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

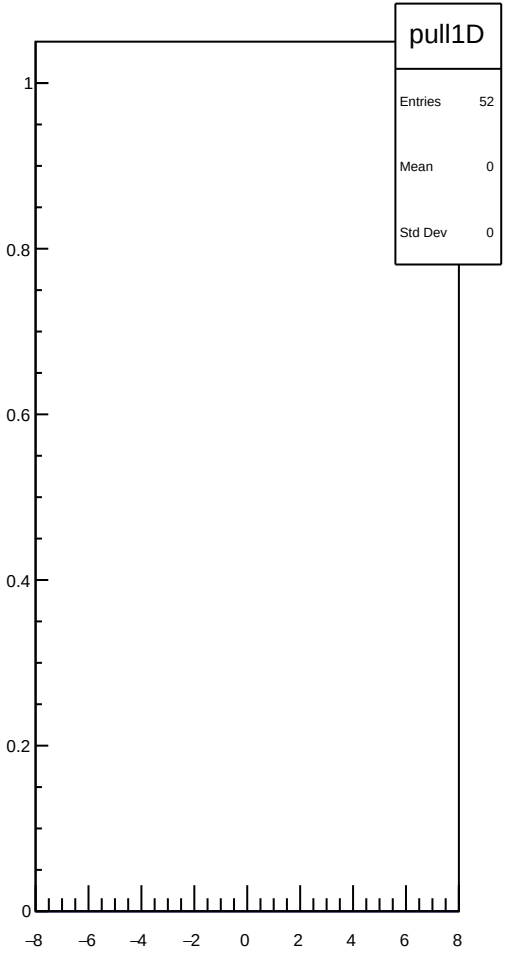

HALLA_dpp_mean vs run
χ² / ndf 1.237e+23 / 51
p0 −3.482e−05 ± 1.387e−16
×10⁻³
pull
Entries 52
Mean 8.654e+08
Std Dev 0
×10⁹

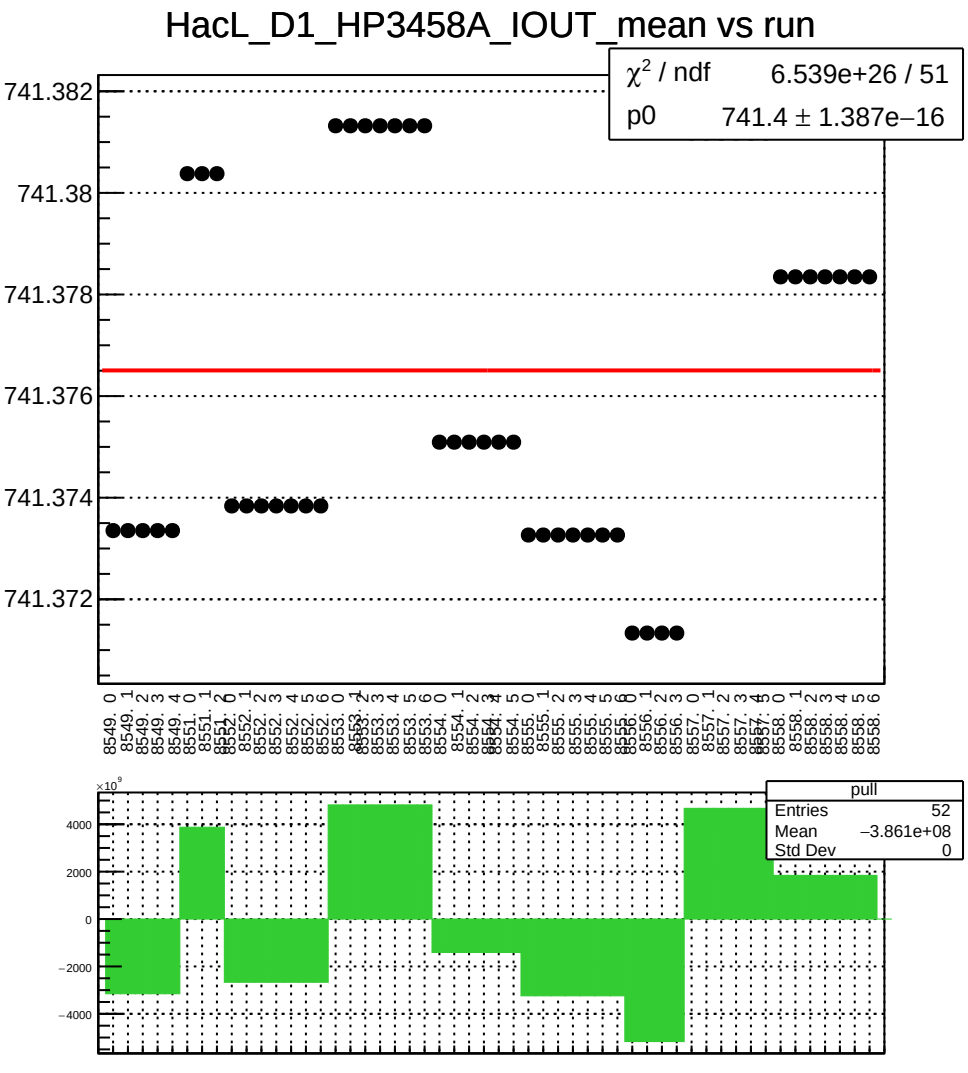

pull1D
Entries 52
Mean 0
Std Dev 0

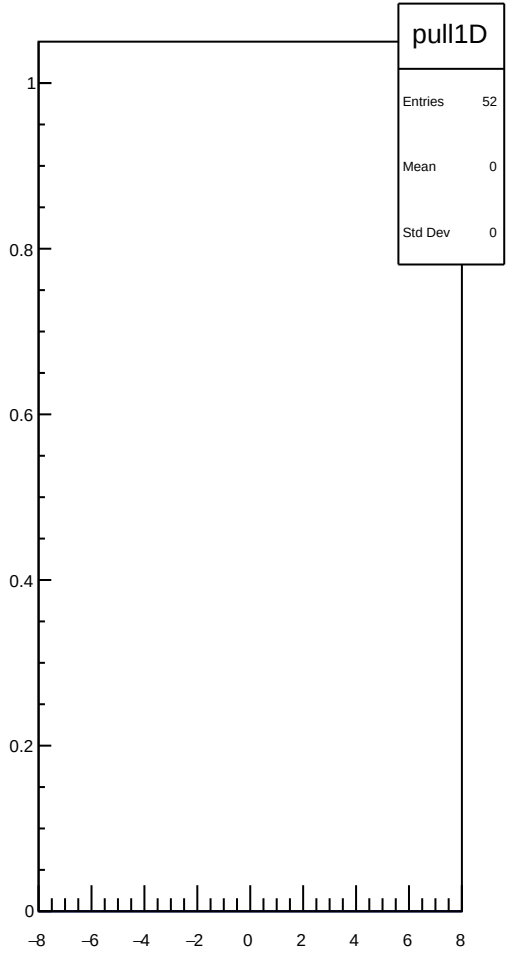

MQ171LM_mean vs run
×10⁻³
χ² / ndf 0 / 51
p0 0.009375 ± 1.387e−16
pull
Entries 52
Mean 0
Std Dev 0

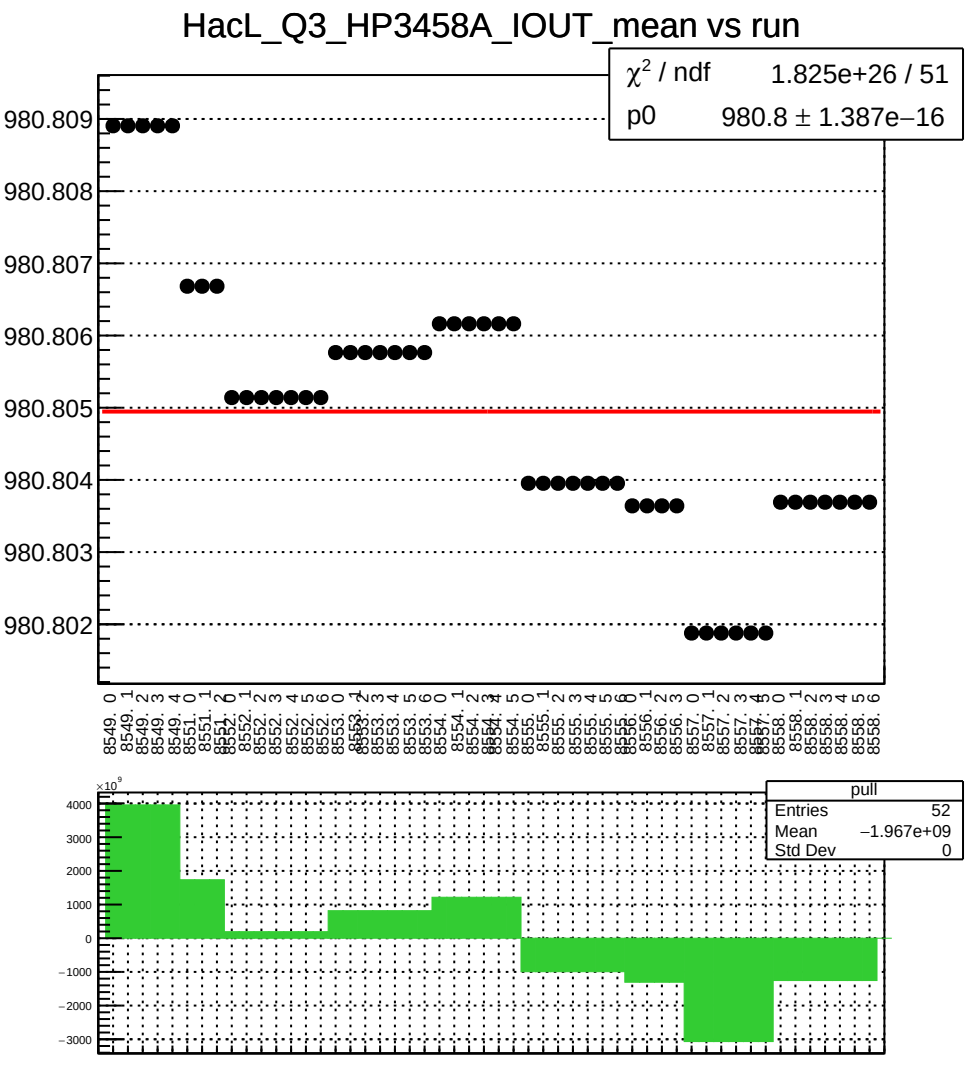

pull1D
Entries 52
Mean 0
Std Dev 0

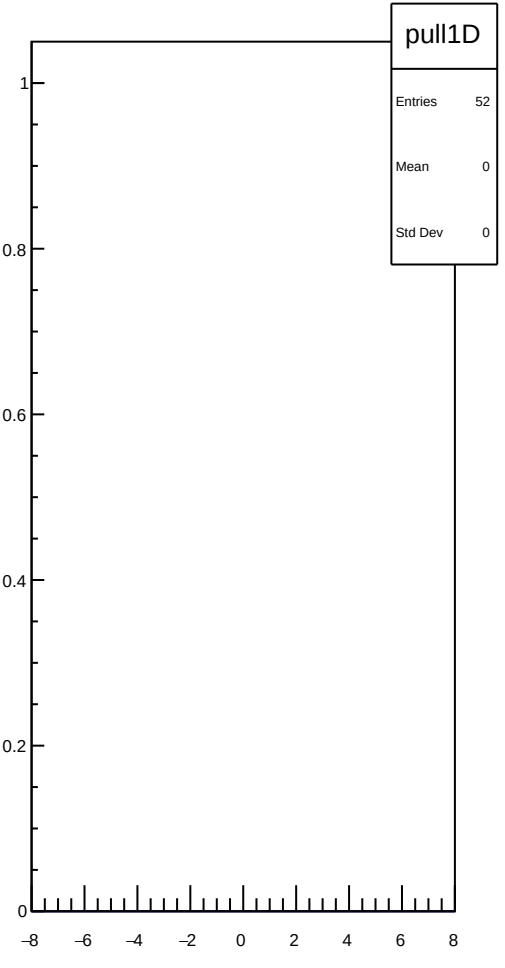

HacL_Q2_HP3458A_IOUT_mean vs run
χ² / ndf 9.449e+25 / 51
p0 931.8 ± 1.387e−16
931.768
931.767
931.766
931.765
931.764
931.763
pull
Entries 52
Mean 1.214e+09
Std Dev 0
×10⁹
2000
1000
0
−1000
−2000
−3000

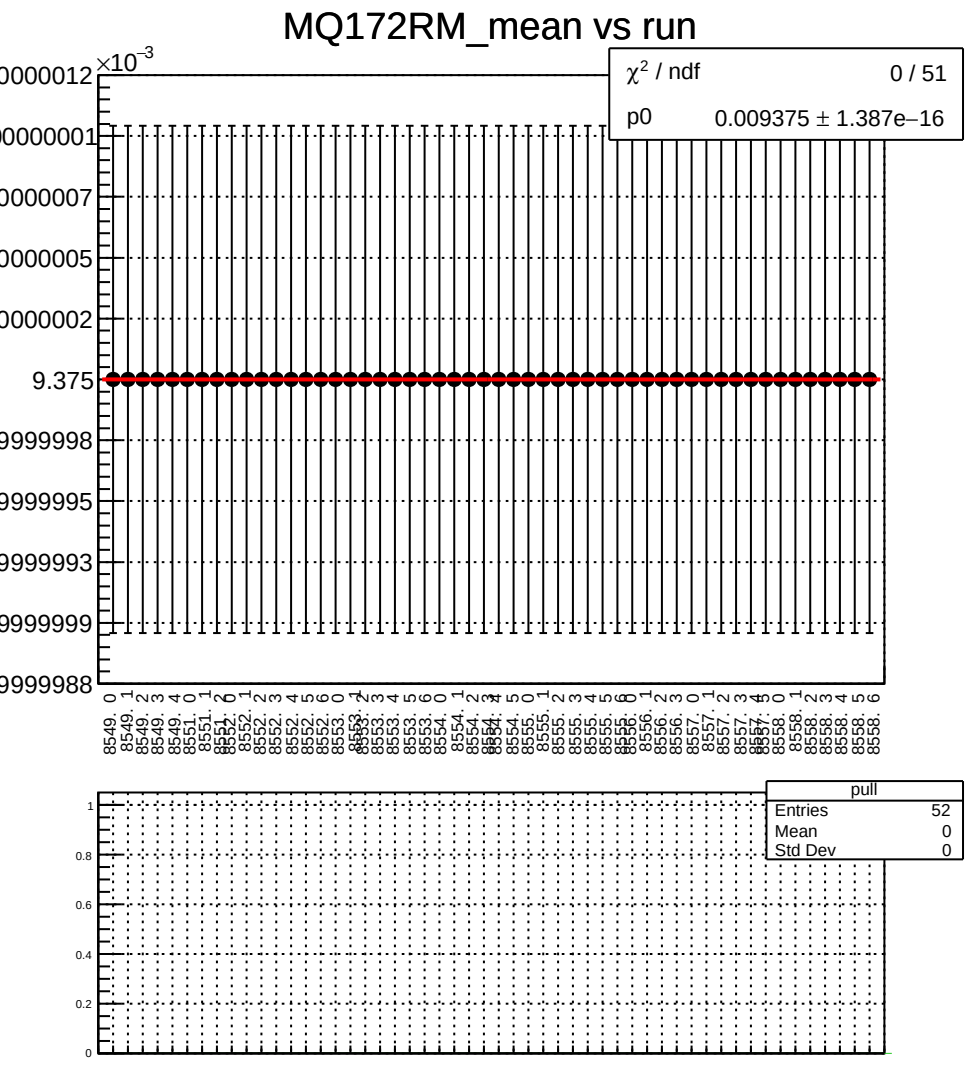

pull1D
Entries 52
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

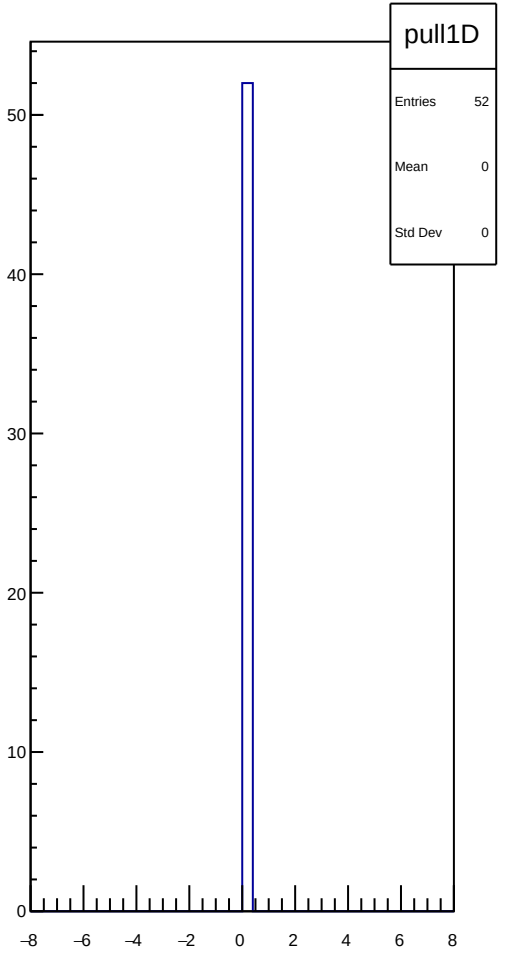

HacL_D1_HP3458A_IOUT_mean vs run
χ² / ndf 6.539e+26 / 51
p0 741.4 ± 1.387e−16
741.382
741.38
741.378
741.376
741.374
741.372
pull
Entries 52
Mean −3.861e+08
Std Dev 0
×10⁹
4000
2000
0
−2000
−4000

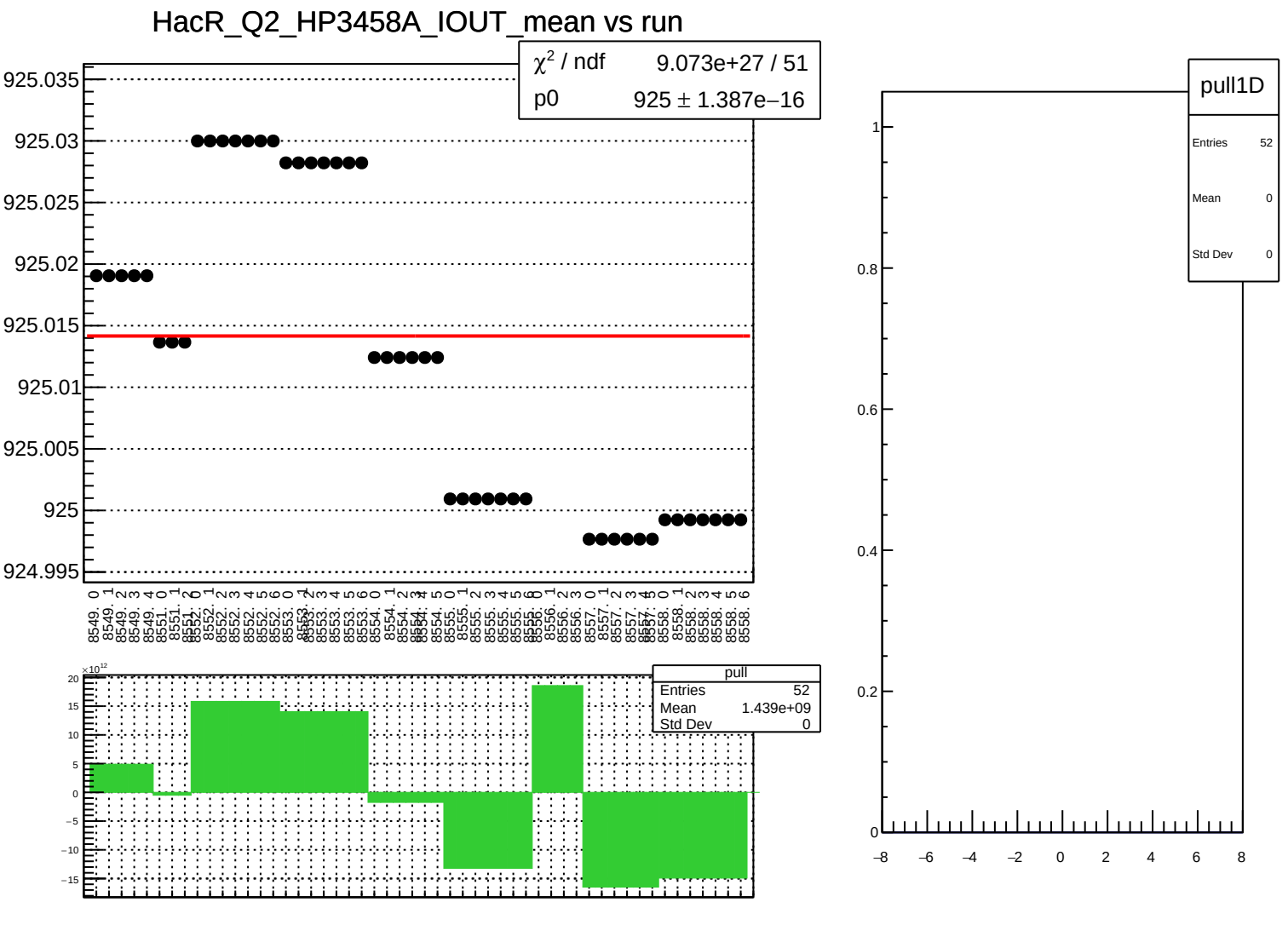

pull1D
Entries 52
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

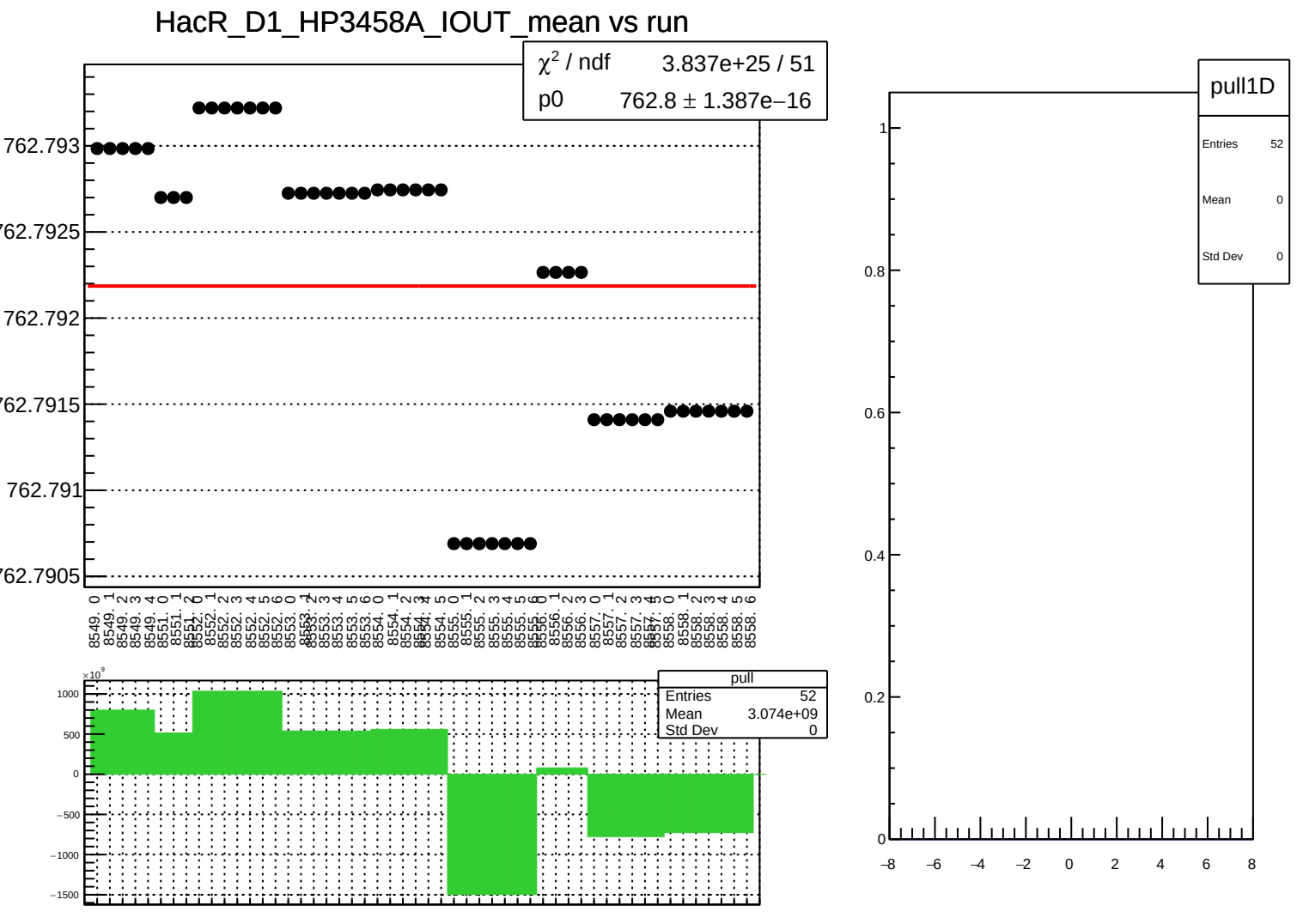

HacL_Q3_HP3458A_IOUT_mean vs run
χ² / ndf 1.825e+26 / 51
p0 980.8 ± 1.387e−16
980.809
980.808
980.807
980.806
980.805
980.804
980.803
980.802
pull
Entries 52
Mean −1.967e+09
Std Dev 0
×10⁹
4000
3000
2000
1000
0
−1000
−2000
−3000

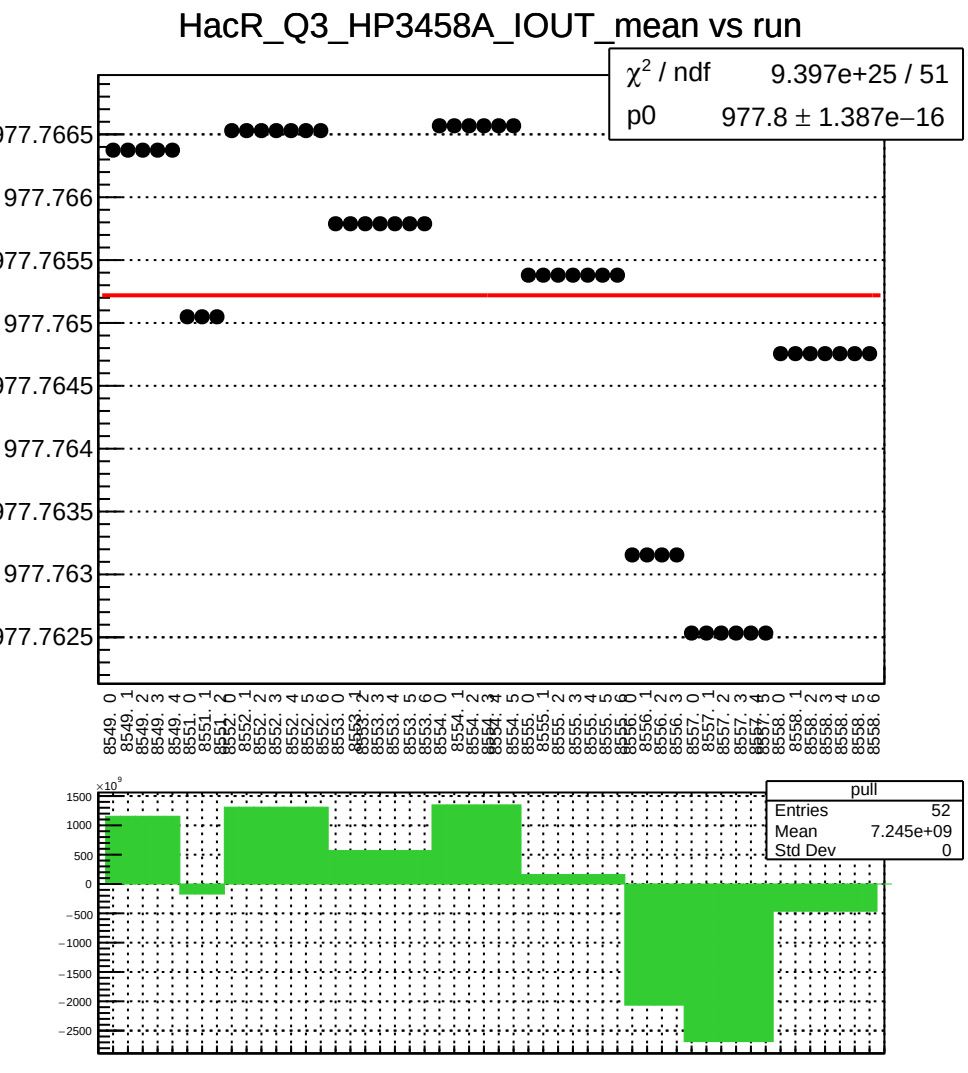

pull1D
Entries 52
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

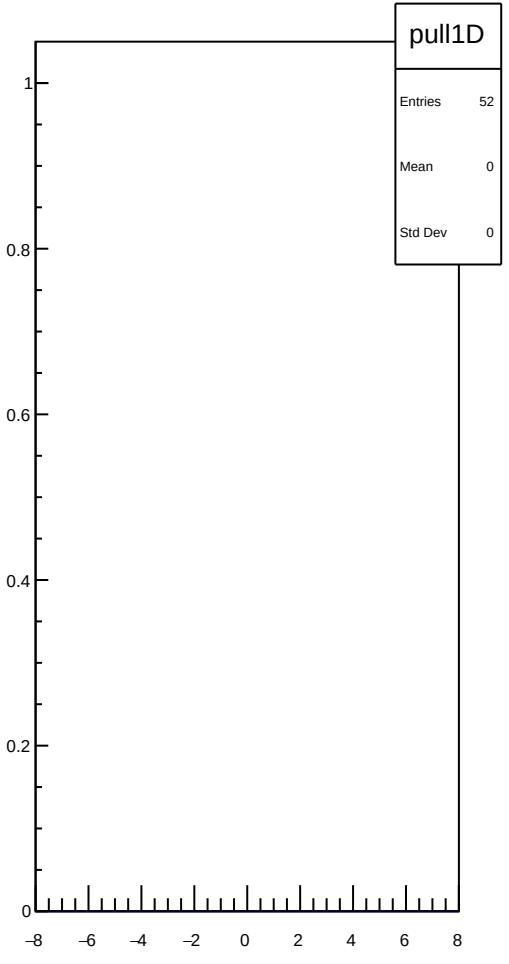

MQ172RM_mean vs run
×10⁻³
χ² / ndf 0 / 51
p0 0.009375 ± 1.387e−16
pull
Entries 52
Mean 0
Std Dev 0

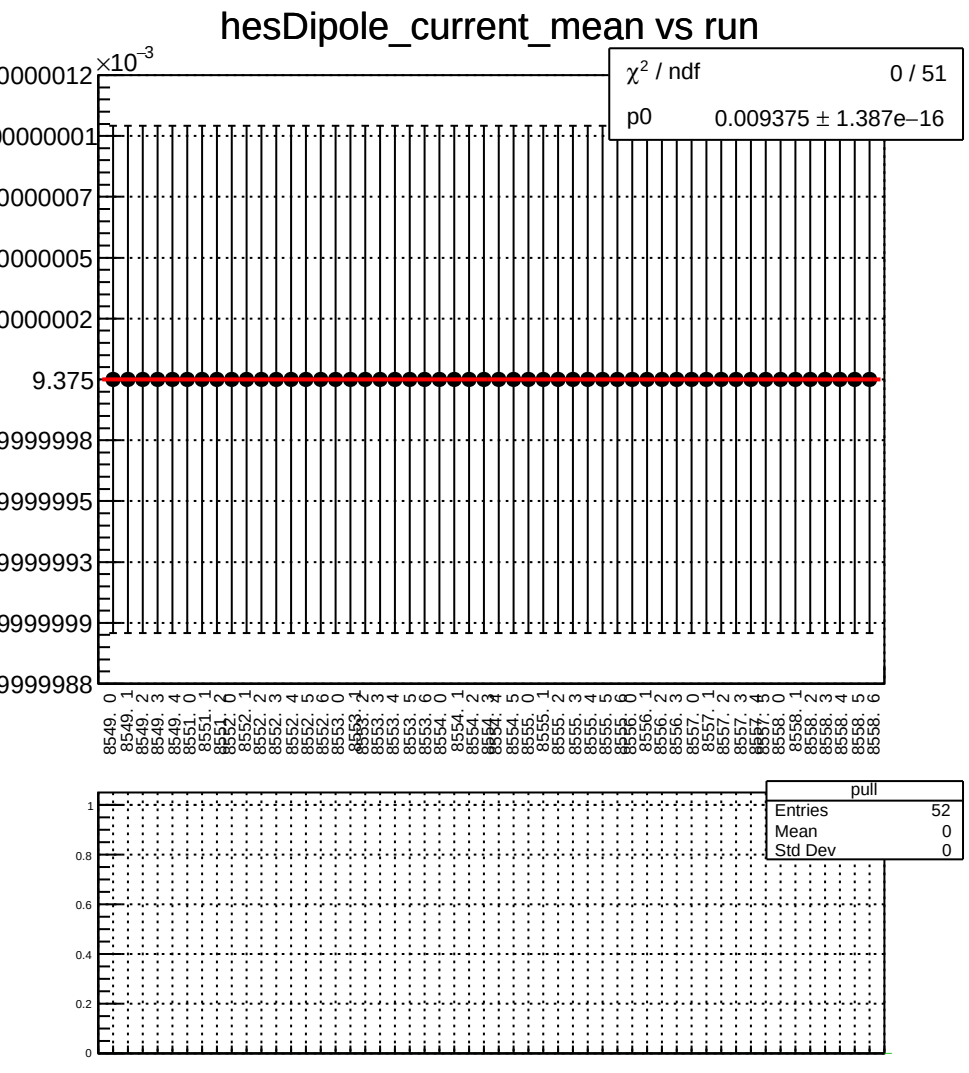

pull1D
Entries 52
Mean 0
Std Dev 0

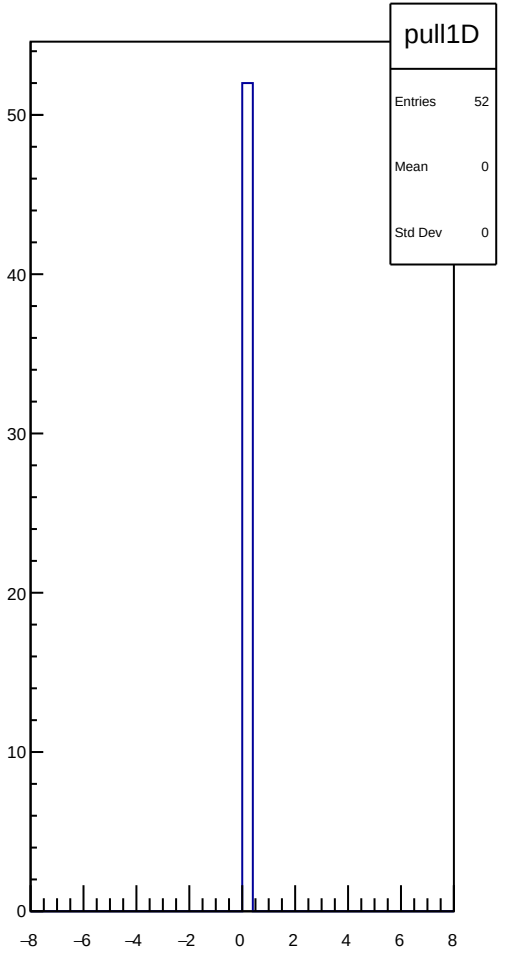

HacR_Q2_HP3458A_IOUT_mean vs run
χ² / ndf 9.073e+27 / 51
p0 925 ± 1.387e−16
925.035
925.03
925.025
925.02
925.015
925.01
925.005
925
924.995
pull
Entries 52
Mean 1.439e+09
Std Dev 0
×10¹²
20
15
10
5
0
−5
−10
−15
pull1D
Entries 52
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

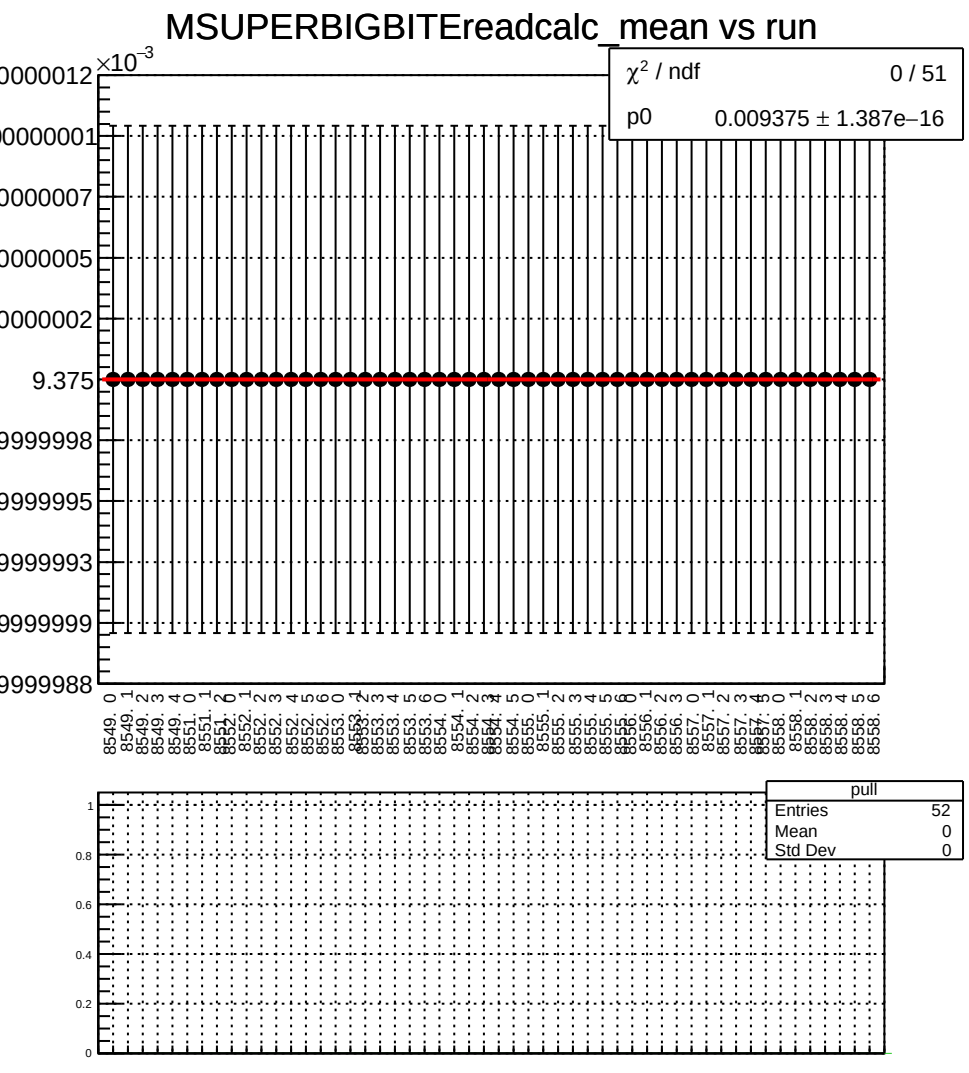

HacR_D1_HP3458A_IOUT_mean vs run
χ² / ndf 3.837e+25 / 51
p0 762.8 ± 1.387e−16
762.793
762.7925
762.792
762.7915
762.791
762.7905
pull
Entries 52
Mean 3.074e+09
Std Dev 0
×10⁹
1000
500
0
−500
−1000
−1500
pull1D
Entries 52
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

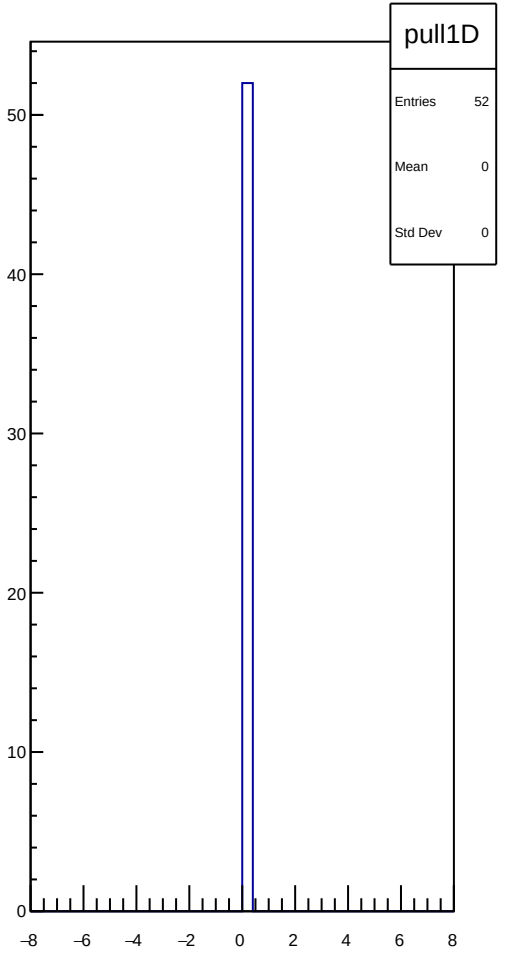

HacR_Q3_HP3458A_IOUT_mean vs run
χ² / ndf 9.397e+25 / 51
p0 977.8 ± 1.387e−16
977.7665
977.766
977.7655
977.765
977.7645
977.764
977.7635
977.763
977.7625
pull
Entries 52
Mean 7.245e+09
Std Dev 0
×10⁹
1500
1000
500
0
−500
−1000
−1500
−2000
−2500

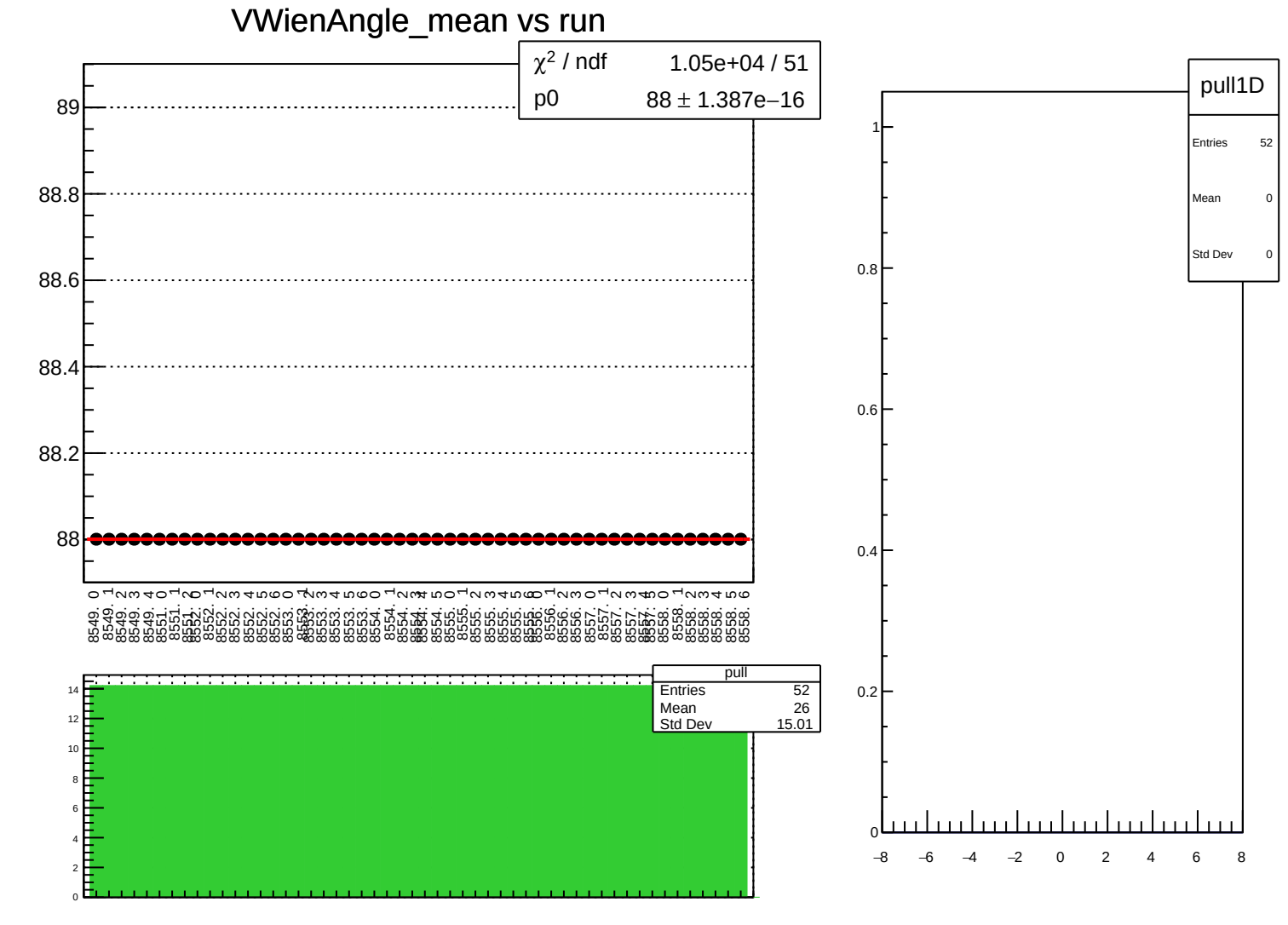

pull1D
Entries 52
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

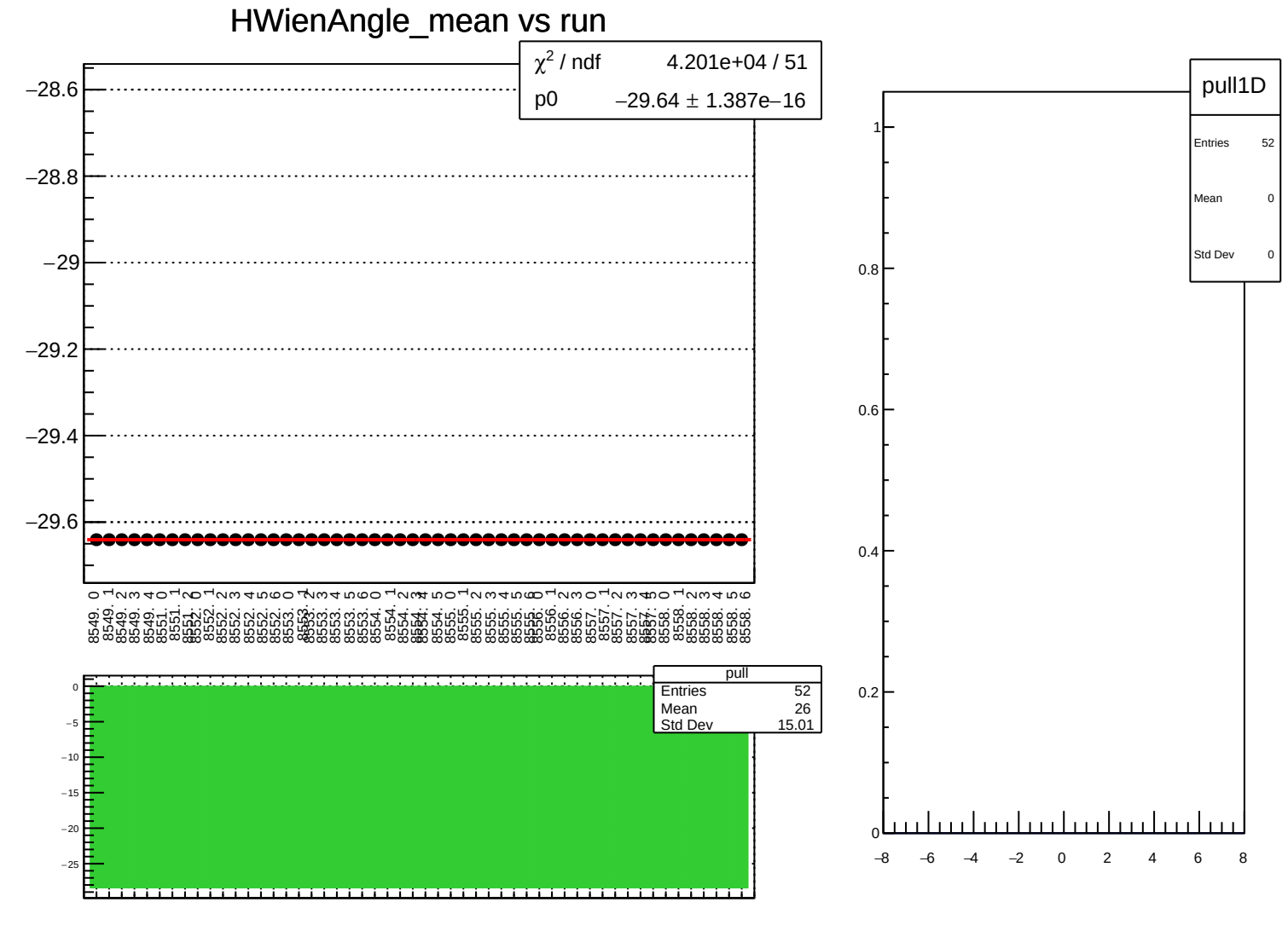

hesDipole_current_mean vs run
×10⁻³
χ² / ndf 0 / 51
p0 0.009375 ± 1.387e−16
pull
Entries 52
Mean 0
Std Dev 0

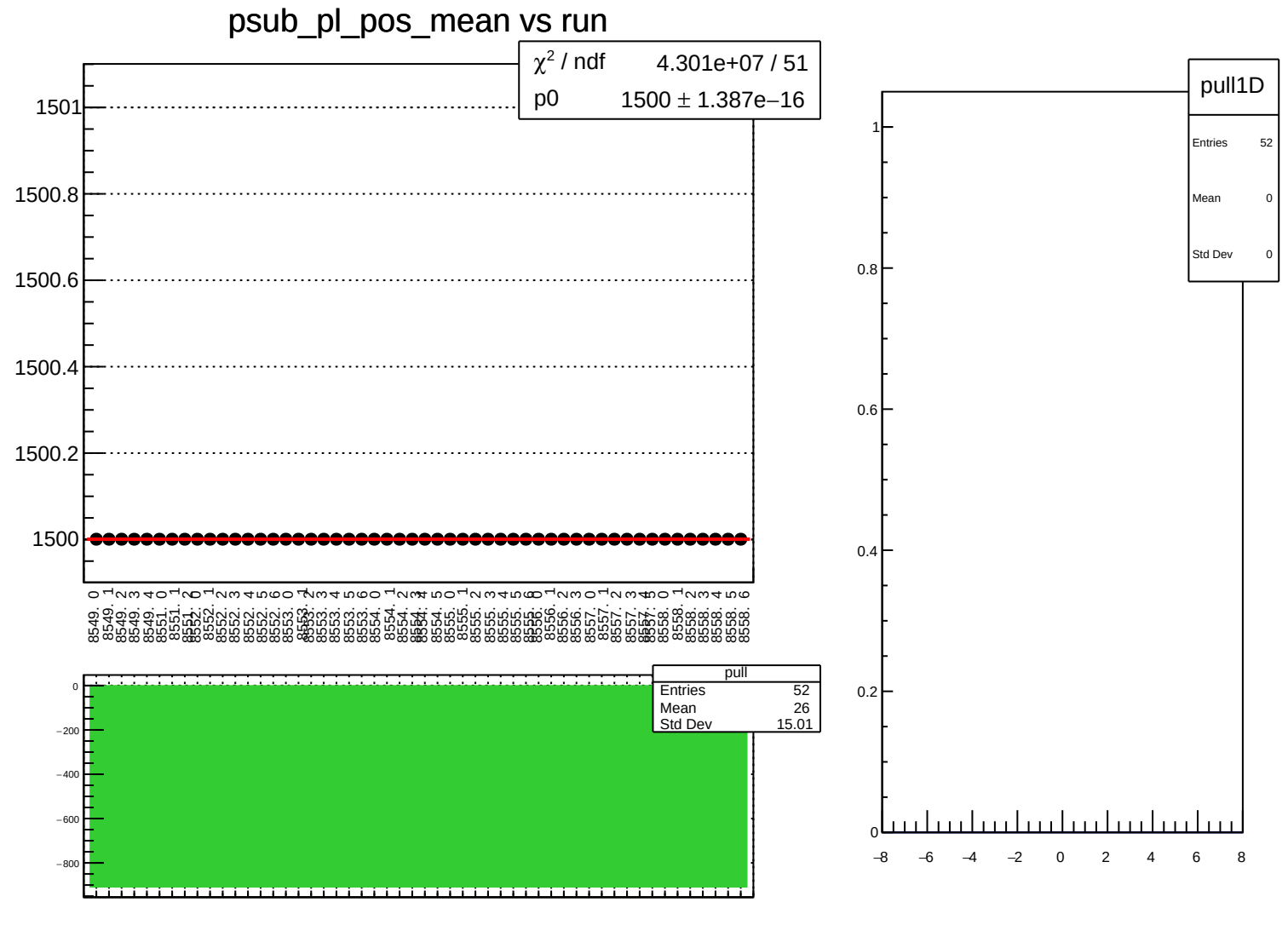

pull1D
Entries 52
Mean 0
Std Dev 0

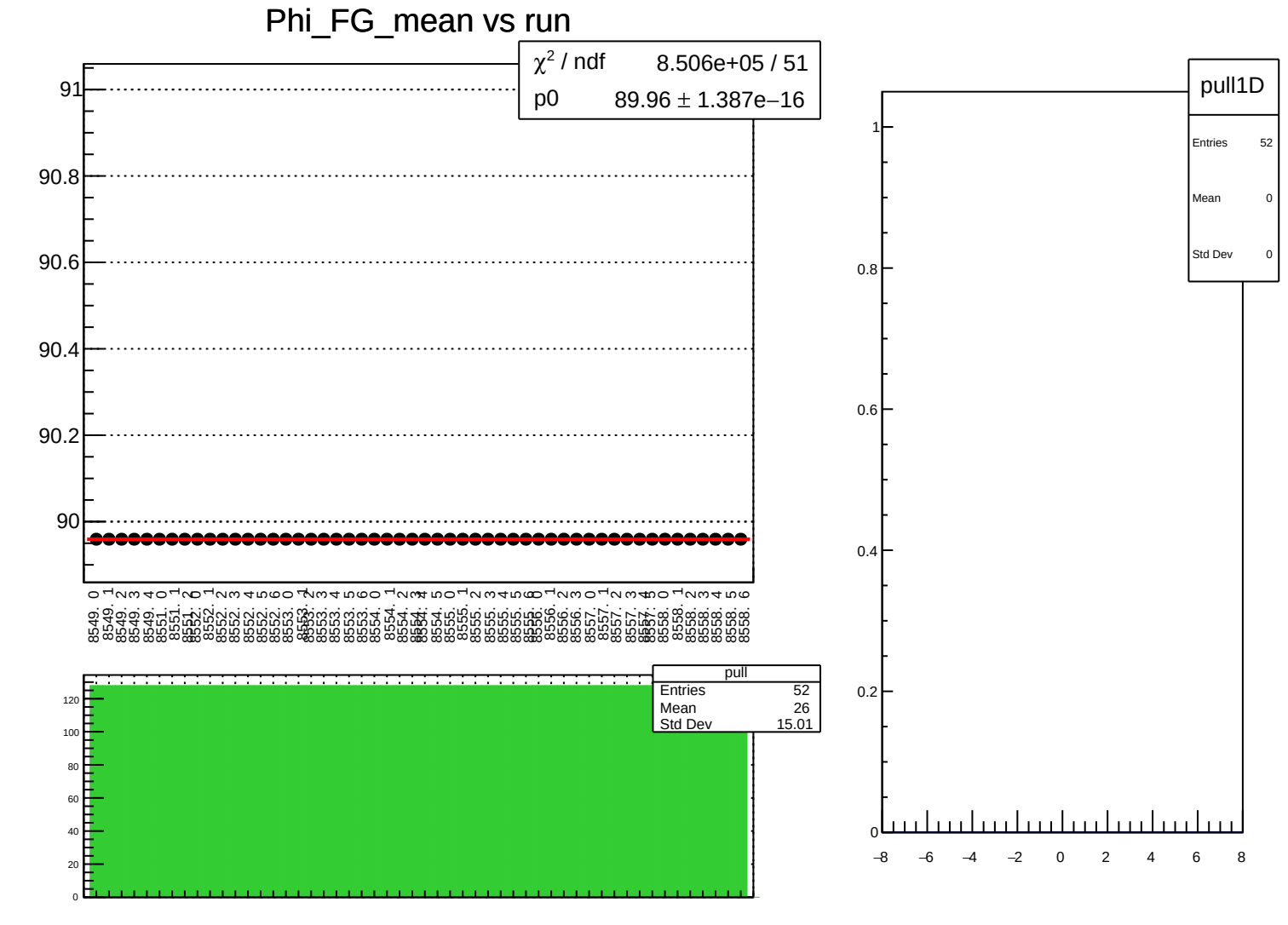

MSUPERBIGBITEreadcalc_mean vs run
χ² / ndf 0 / 51
p0 0.009375 ± 1.387e−16
pull
Entries 52
Mean 0
Std Dev 0

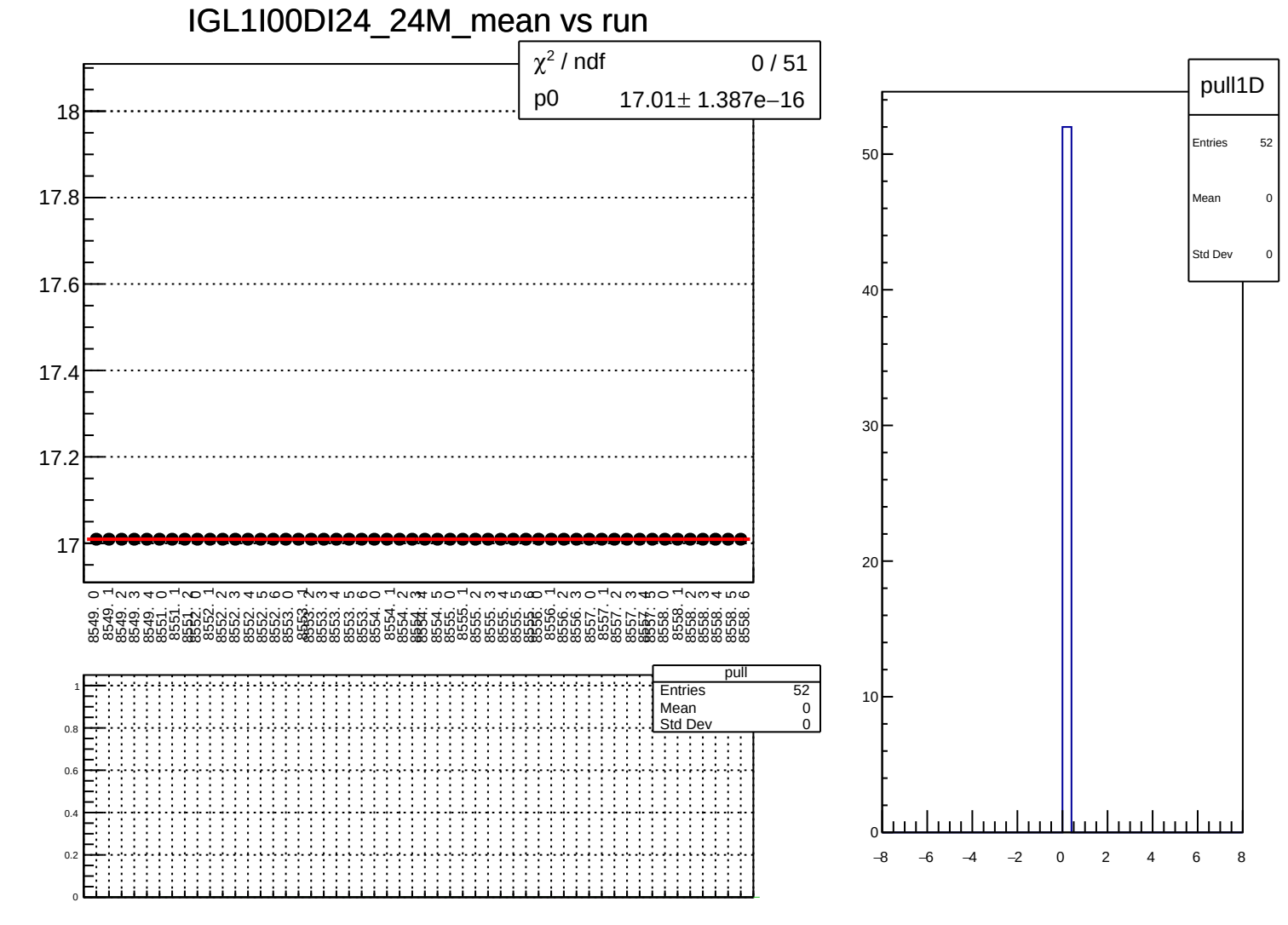

pull1D
Entries 52
Mean 0
Std Dev 0

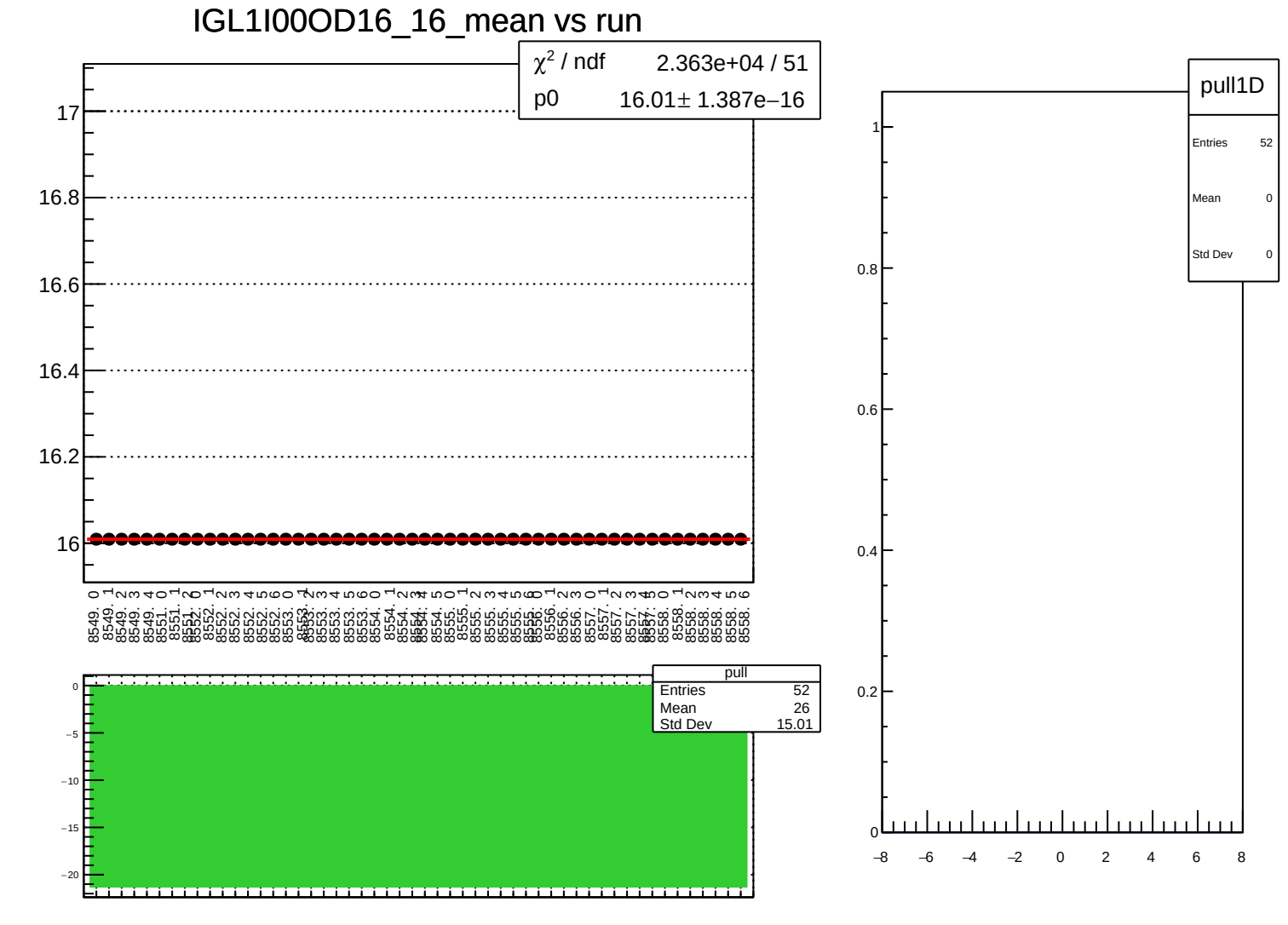

VWienAngle_mean vs run
χ² / ndf 1.05e+04 / 51
p0 88 ± 1.387e−16
89
88.8
88.6
88.4
88.2
88
pull
Entries 52
Mean 26
Std Dev 15.01
14
12
10
8
6
4
2
0
pull1D
Entries 52
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

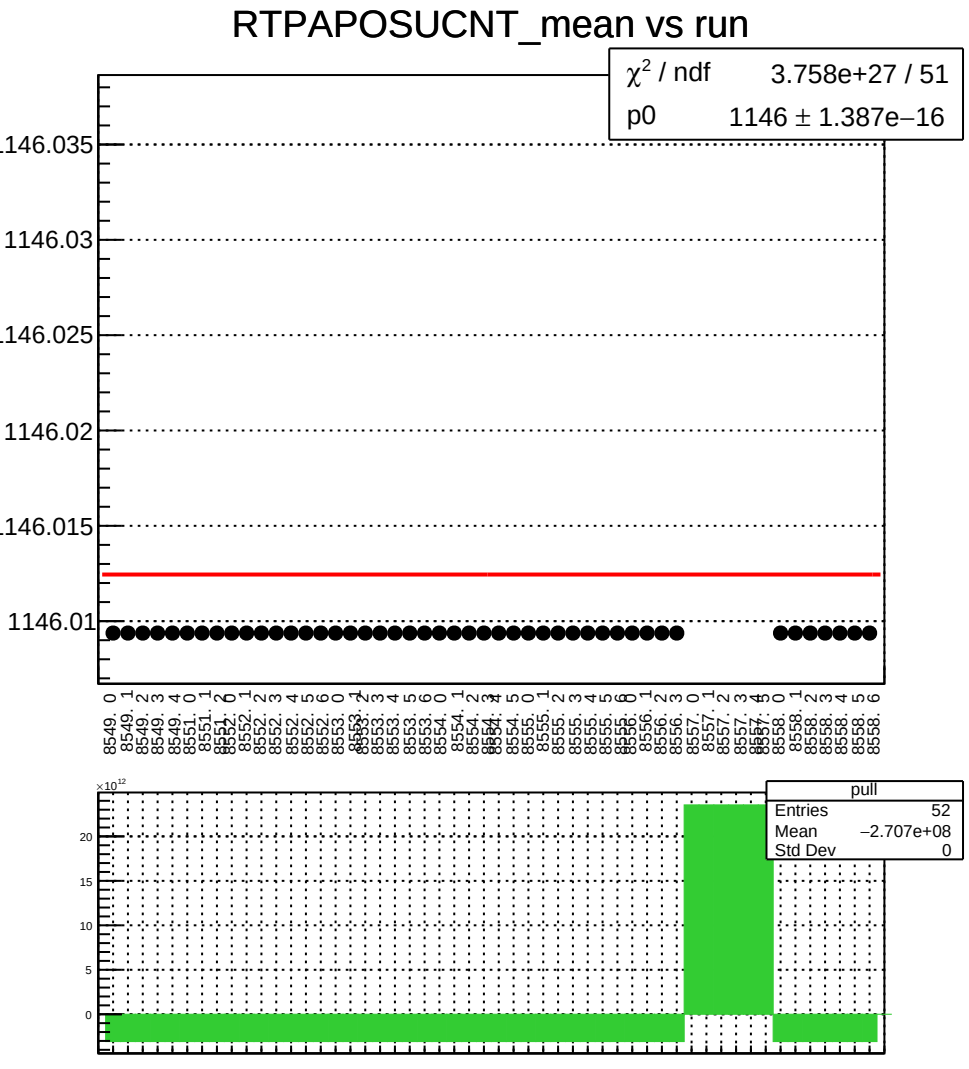

HWienAngle_mean vs run
χ² / ndf 4.201e+04 / 51
p0 −29.64 ± 1.387e−16
−28.6
−28.8
−29
−29.2
−29.4
−29.6
pull
Entries 52
Mean 26
Std Dev 15.01
pull1D
Entries 52
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

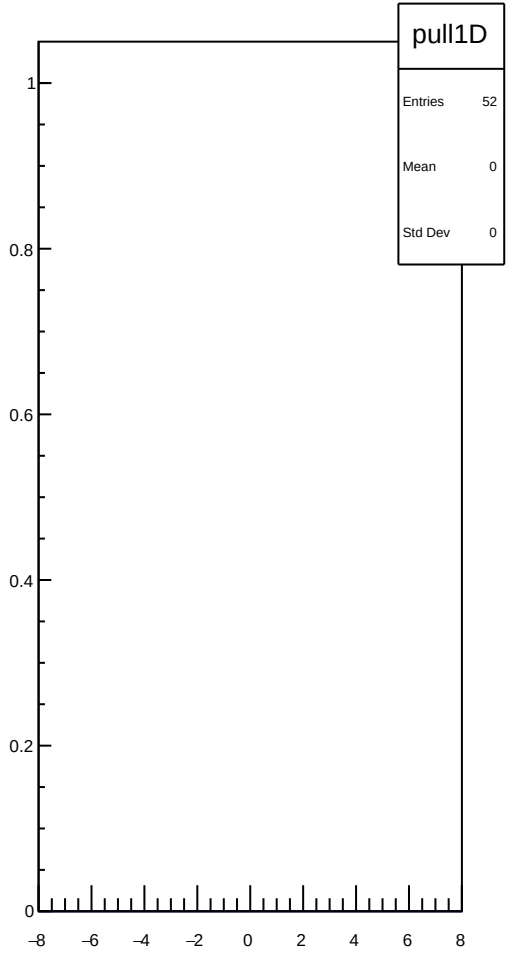

psub_pl_pos_mean vs run
χ² / ndf 4.301e+07 / 51
p0 1500 ± 1.387e−16
1501
1500.8
1500.6
1500.4
1500.2
1500
pull
Entries 52
Mean 26
Std Dev 15.01
0
−200
−400
−600
−800
pull1D
Entries 52
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

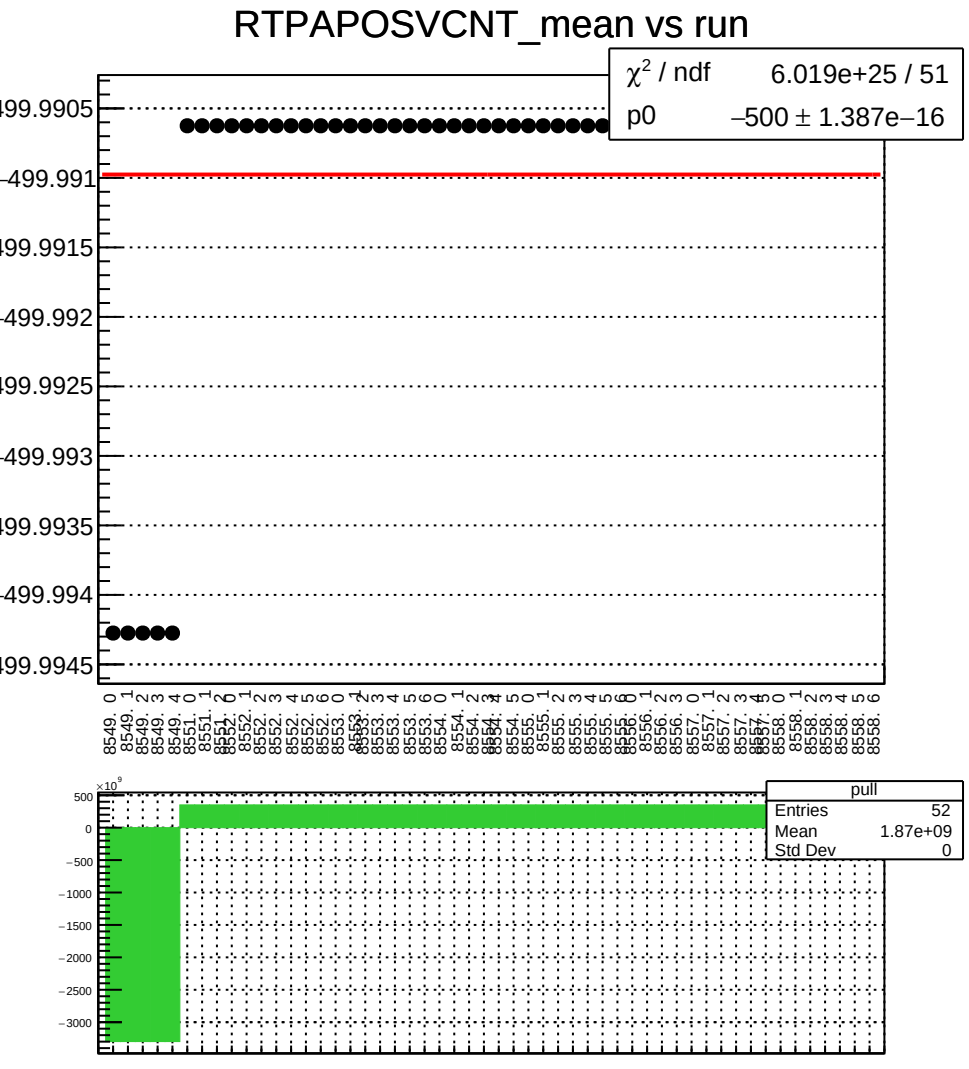

Phi_FG_mean vs run
χ² / ndf 8.506e+05 / 51
p0 89.96 ± 1.387e−16
91
90.8
90.6
90.4
90.2
90
pull
Entries 52
Mean 26
Std Dev 15.01
120
100
80
60
40
20
0
pull1D
Entries 52
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

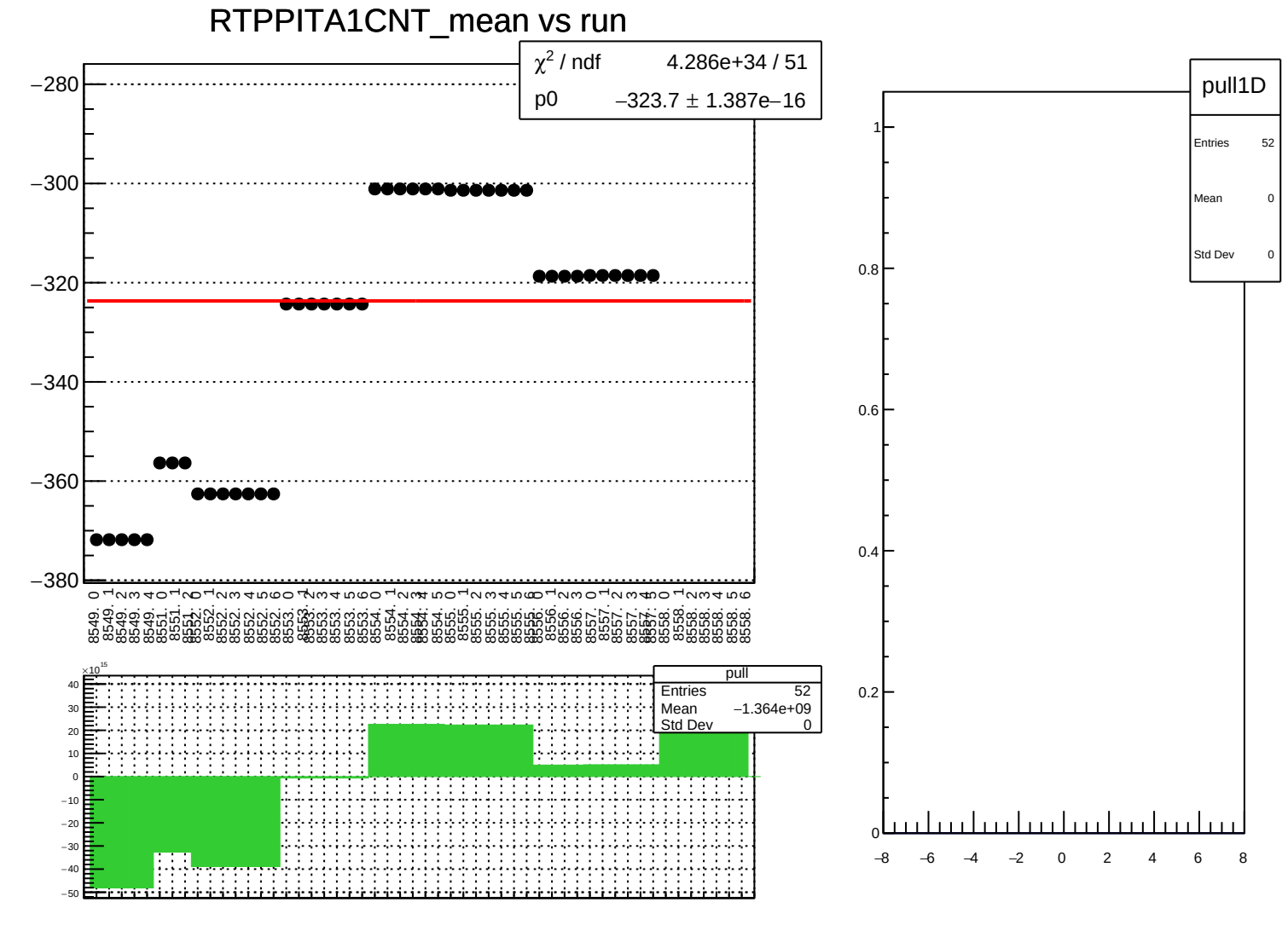

IGL1I00DI24_24M_mean vs run
χ² / ndf 0 / 51
p0 17.01± 1.387e−16
18
17.8
17.6
17.4
17.2
17
pull
Entries 52
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
pull1D
Entries 52
Mean 0
Std Dev 0
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

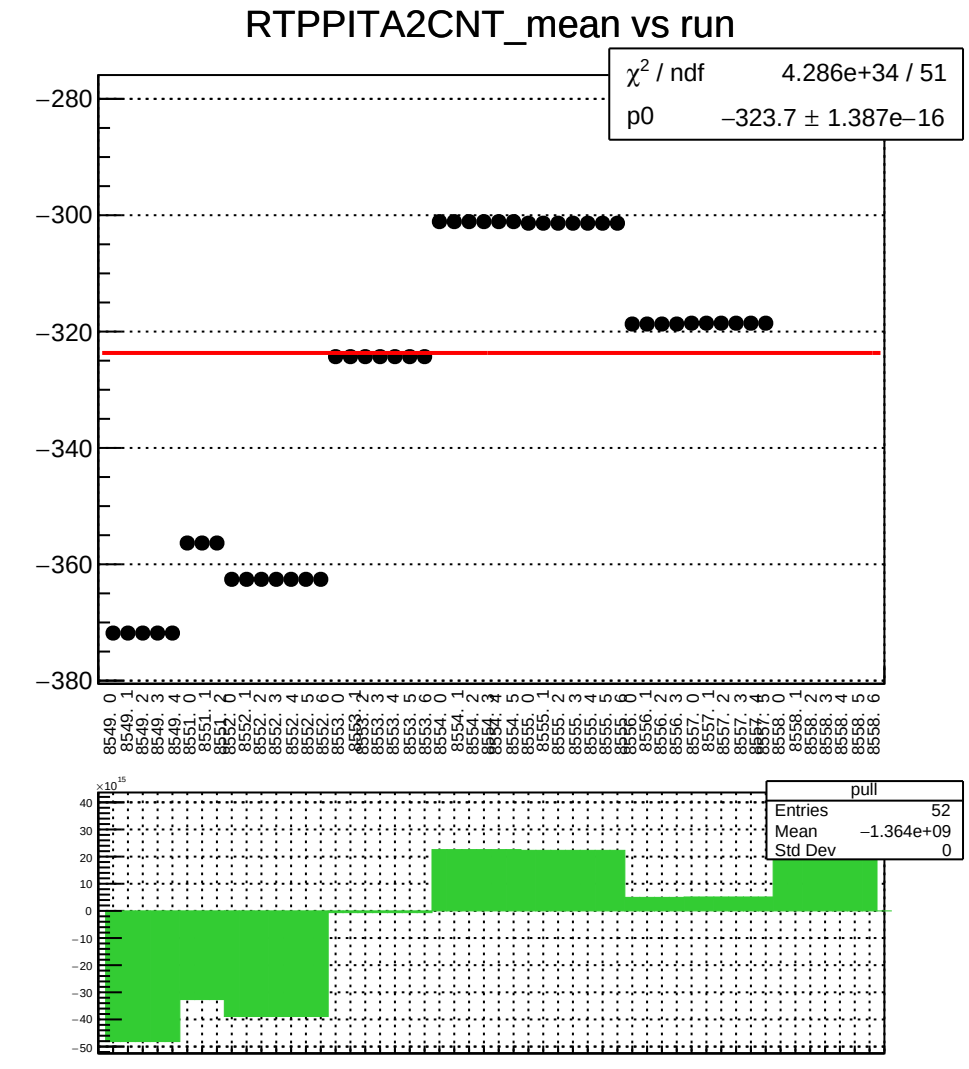

IGL1I00OD16_16_mean vs run
χ² / ndf 2.363e+04 / 51
p0 16.01± 1.387e−16
17
16.8
16.6
16.4
16.2
16
pull
Entries 52
Mean 26
Std Dev 15.01
0
−5
−10
−15
−20
pull1D
Entries 52
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

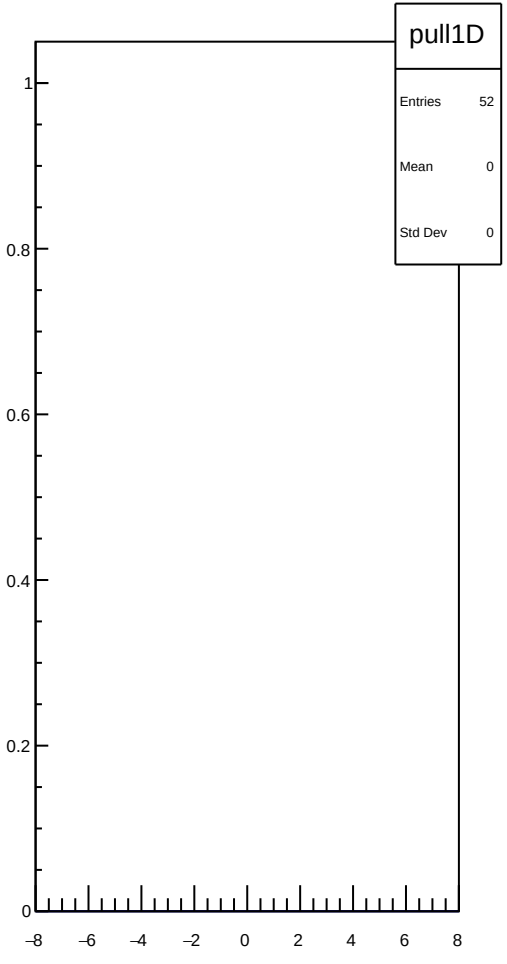

RTPAPOSUCNT_mean vs run
χ² / ndf 3.758e+27 / 51
p0 1146 ± 1.387e−16
1146.035
1146.03
1146.025
1146.02
1146.015
1146.01
pull
Entries 52
Mean −2.707e+08
Std Dev 0
×10¹²
20
15
10
5
0


pull1D
Entries 52
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 6.019e+25 / 51
p0 −500 ± 1.387e−16
−499.9905
−499.991
−499.9915
−499.992
−499.9925
−499.993
−499.9935
−499.994
−499.9945
8549. 0
8549. 1
8549. 2
8549. 3
8549. 4
8551. 0
8551. 1
8551. 2
8552. 1
8552. 2
8552. 3
8552. 4
8552. 5
8552. 6
8553. 0
8553. 1
8553. 2
8553. 3
8553. 4
8553. 5
8553. 6
8554. 0
8554. 1
8554. 2
8554. 3
8554. 4
8554. 5
8555. 0
8555. 1
8555. 2
8555. 3
8555. 4
8555. 5
8555. 6
8556. 0
8556. 1
8556. 2
8556. 3
8557. 0
8557. 1
8557. 2
8557. 3
8557. 4
8557. 5
8558. 0
8558. 1
8558. 2
8558. 3
8558. 4
8558. 5
8558. 6
×10⁹
500
0
−500
−1000
−1500
−2000
−2500
−3000
pull
Entries 52
Mean 1.87e+09
Std Dev 0
pull1D
Entries 52
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 4.286e+34 / 51
p0 −323.7 ± 1.387e−16
pull
Entries 52
Mean −1.364e+09
Std Dev 0
pull1D
Entries 52
Mean 0
Std Dev 0


RTPPITA2CNT_mean vs run
χ² / ndf 4.286e+34 / 51
p0 −323.7 ± 1.387e−16
pull
Entries 52
Mean −1.364e+09
Std Dev 0


pull1D
Entries 52
Mean 0
Std Dev 0